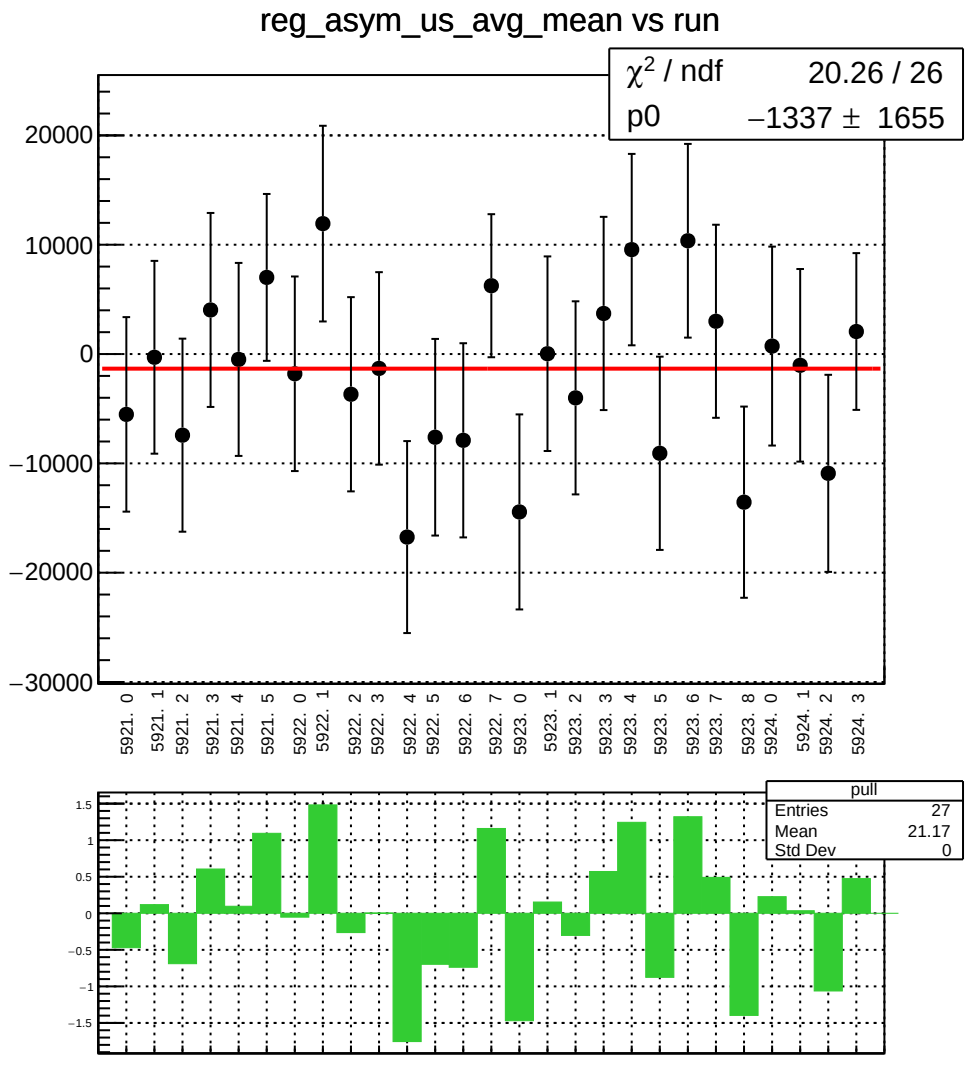
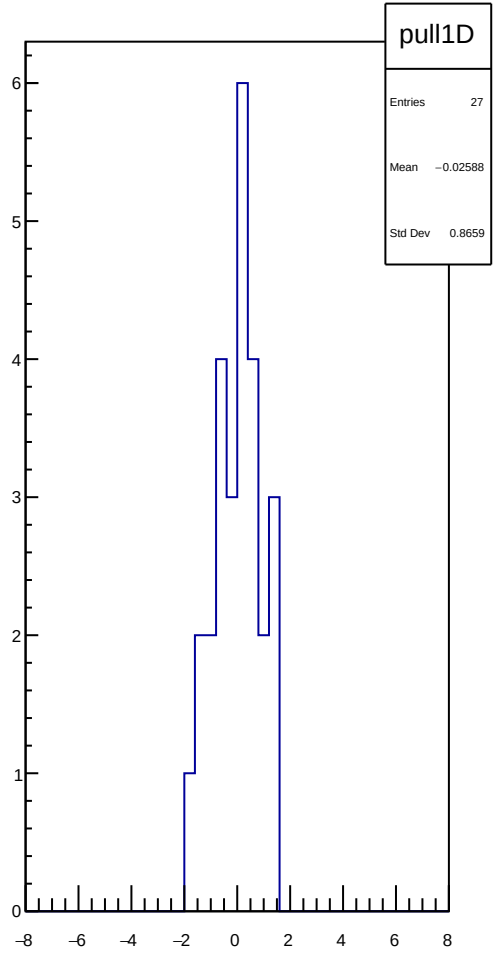

reg_asym_us_avg_mean vs run
χ² / ndf 20.26 / 26
p0 −1337 ± 1655
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 21.17
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 27
Mean −0.02588
Std Dev 0.8659
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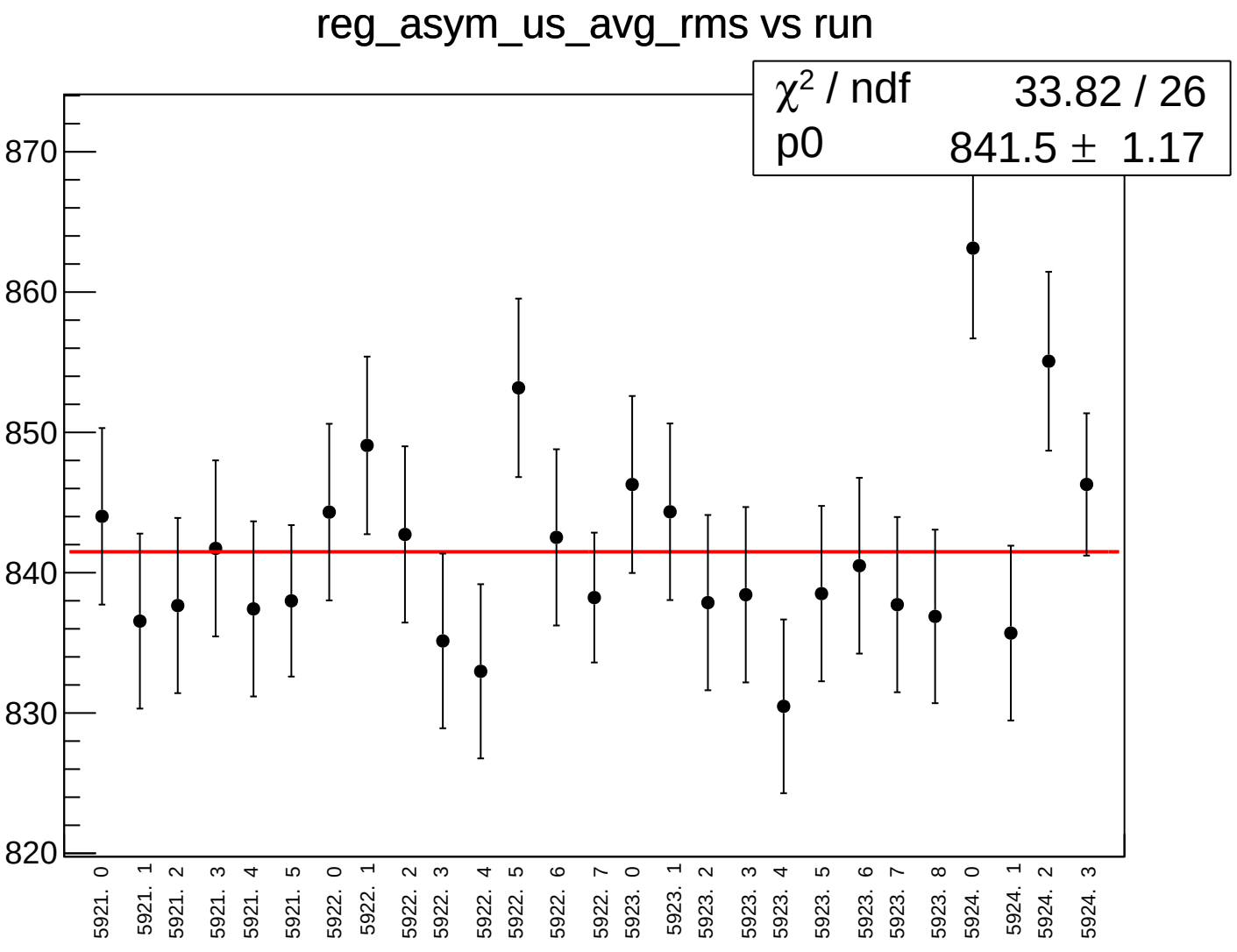
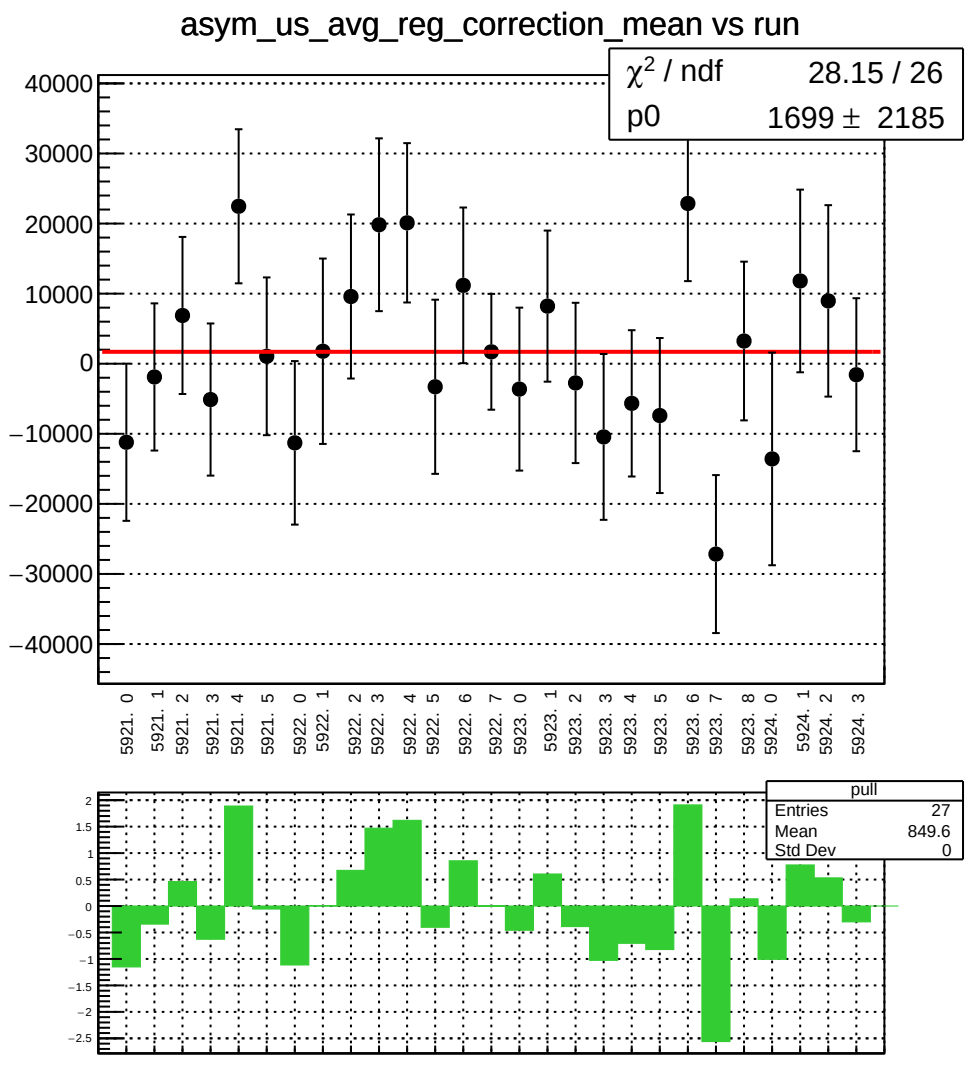
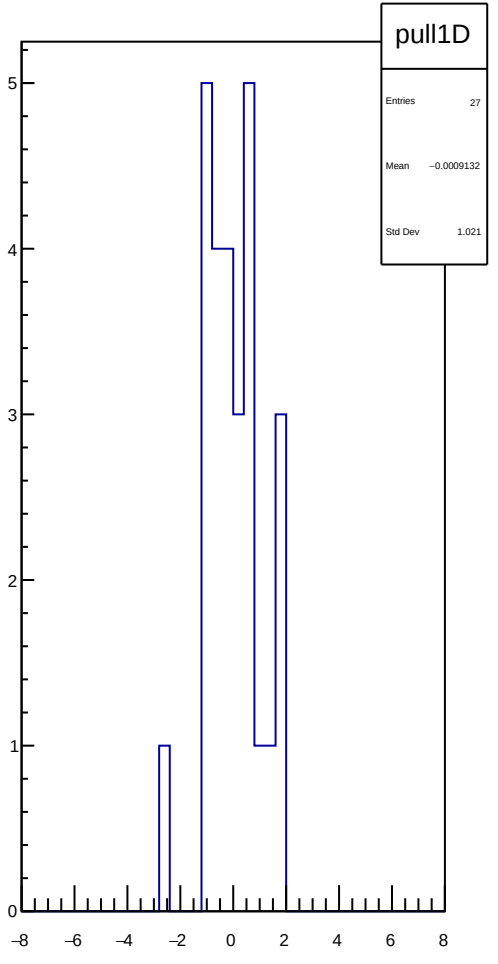
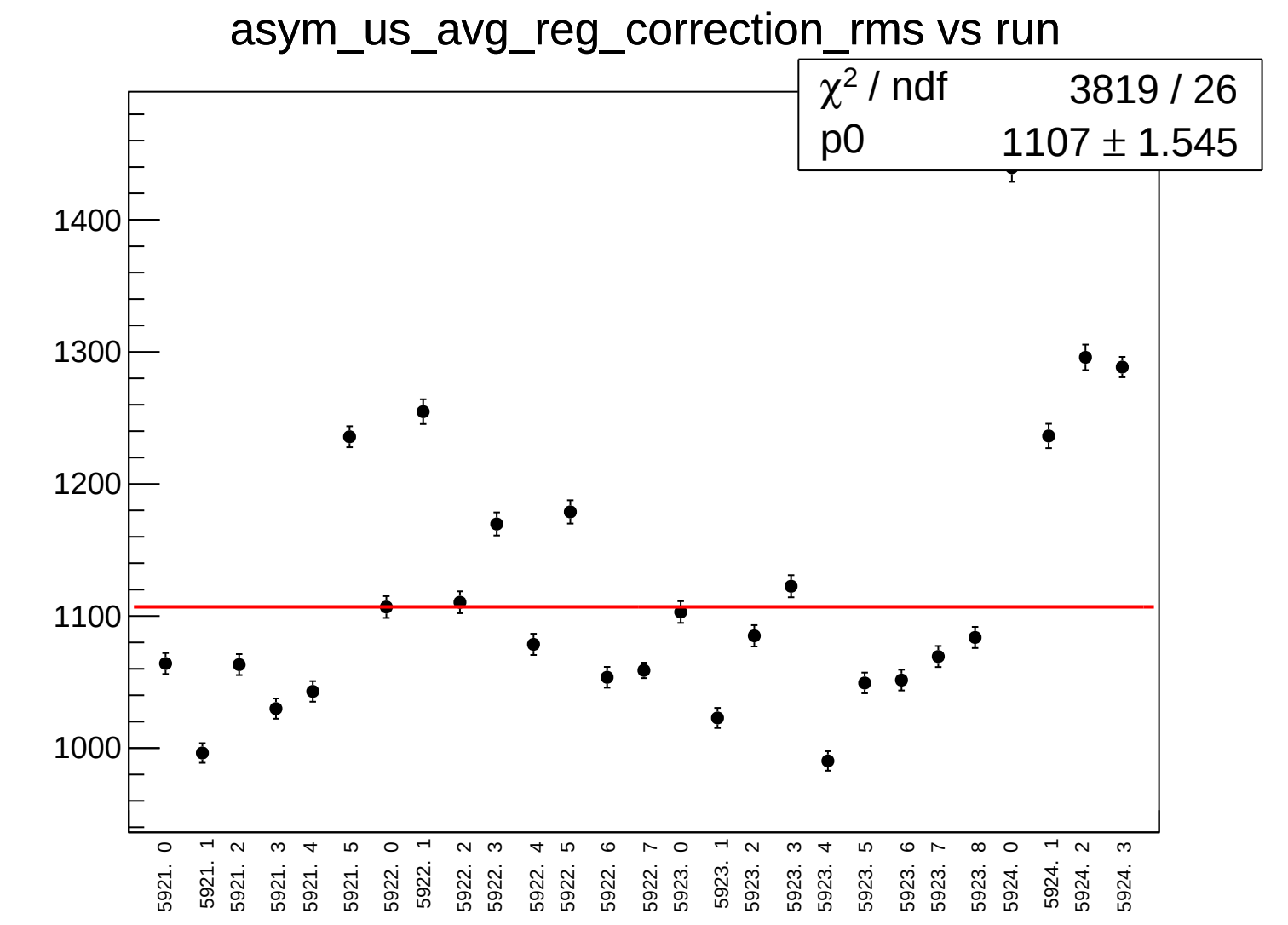
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_us_avg_rms vs run
χ² / ndf 33.82 / 26
p0 841.5 ± 1.17
870
860
850
840
830
820
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


asym_us_avg_reg_correction_mean vs run
χ² / ndf 28.15 / 26
p0 1699 ± 2185
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 849.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 27
Mean −0.0009132
Std Dev 1.021
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_reg_correction_rms vs run
χ² / ndf 3819 / 26
p0 1107 ± 1.545
1400
1300
1200
1100
1000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
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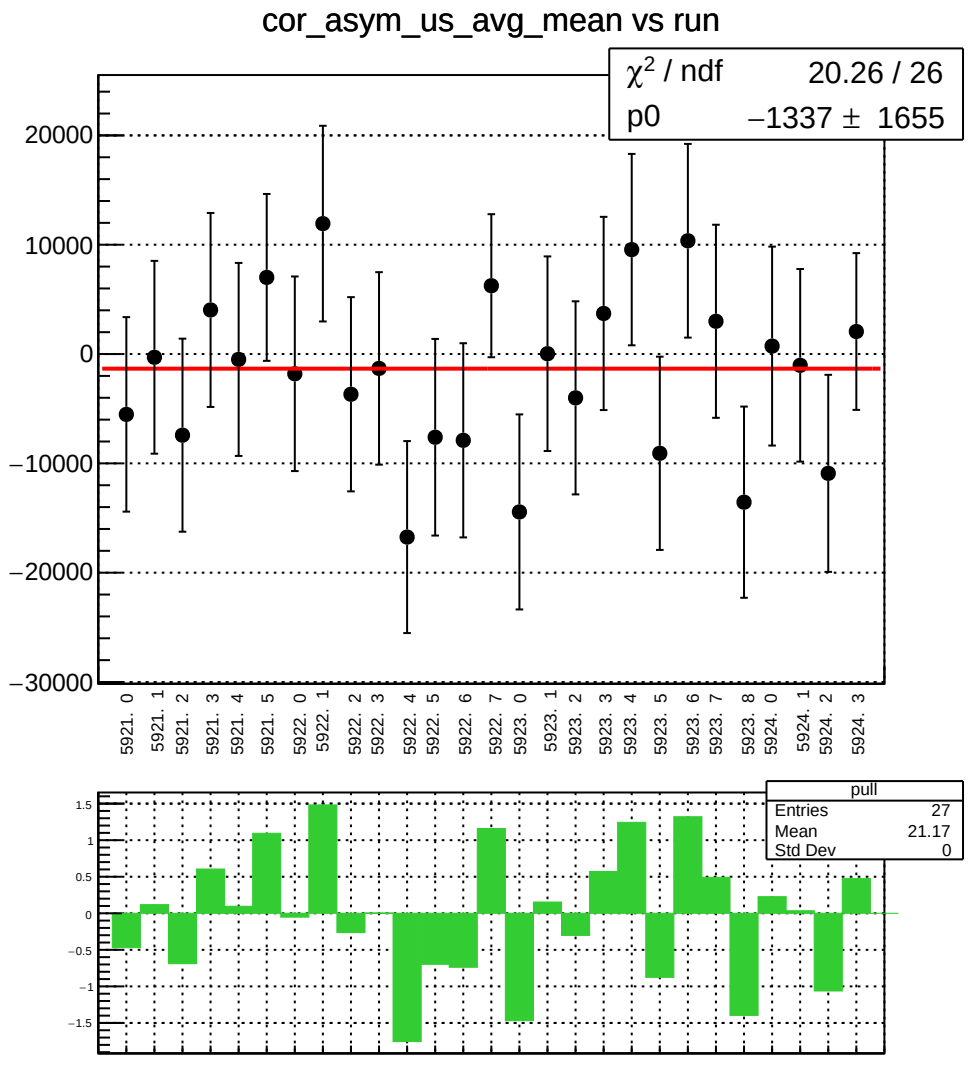
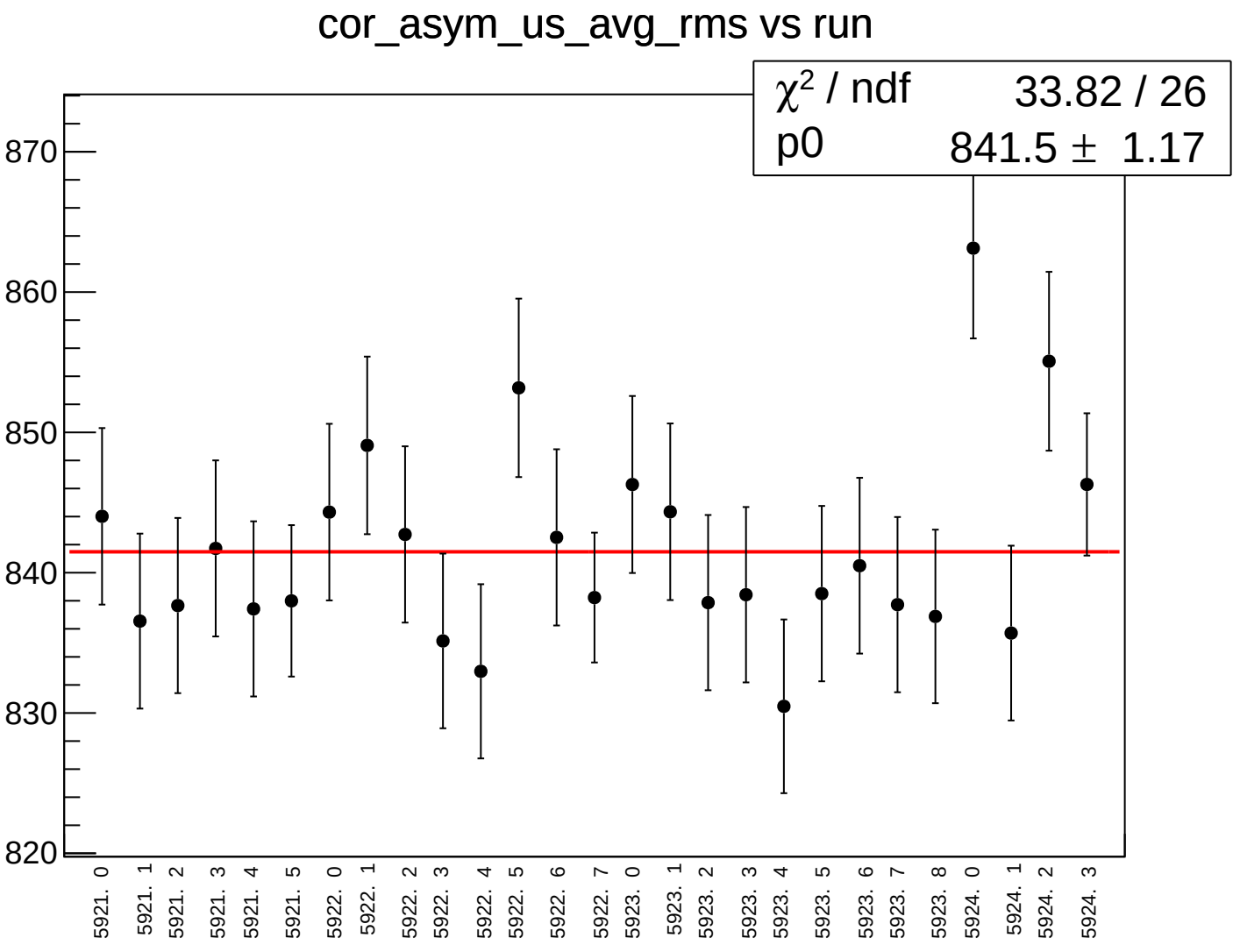
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


cor_asym_us_avg_mean vs run
χ² / ndf 20.26 / 26
p0 −1337 ± 1655
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 21.17
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.02588
Std Dev 0.8659
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_us_avg_rms vs run
χ² / ndf 33.82 / 26
p0 841.5 ± 1.17
870
860
850
840
830
820
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
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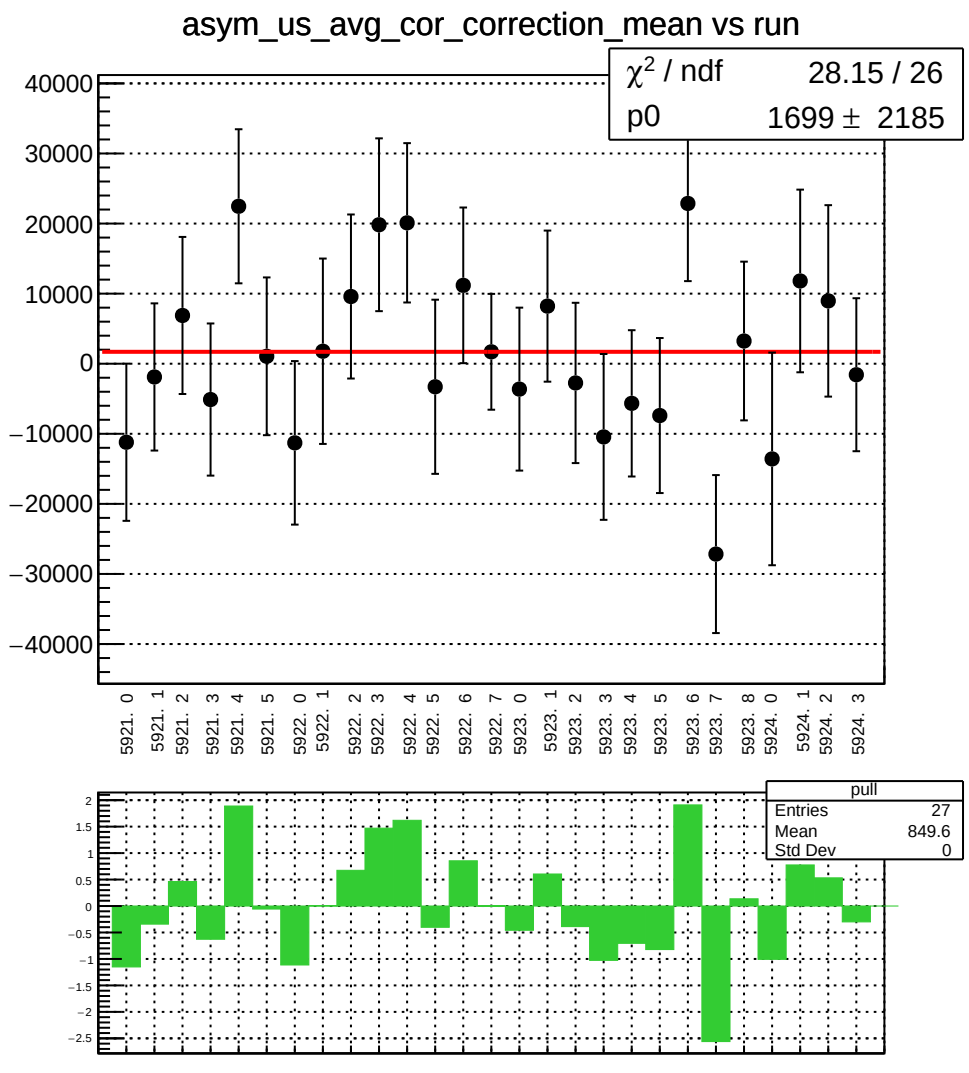
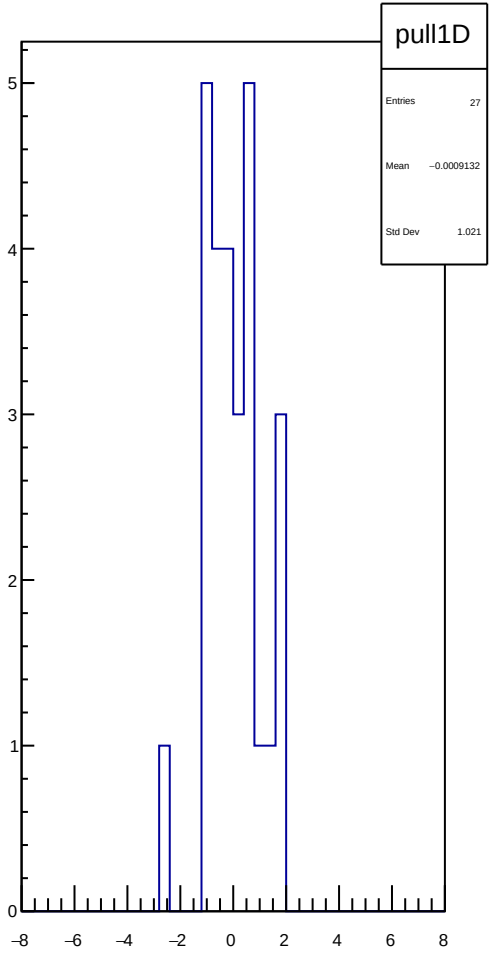
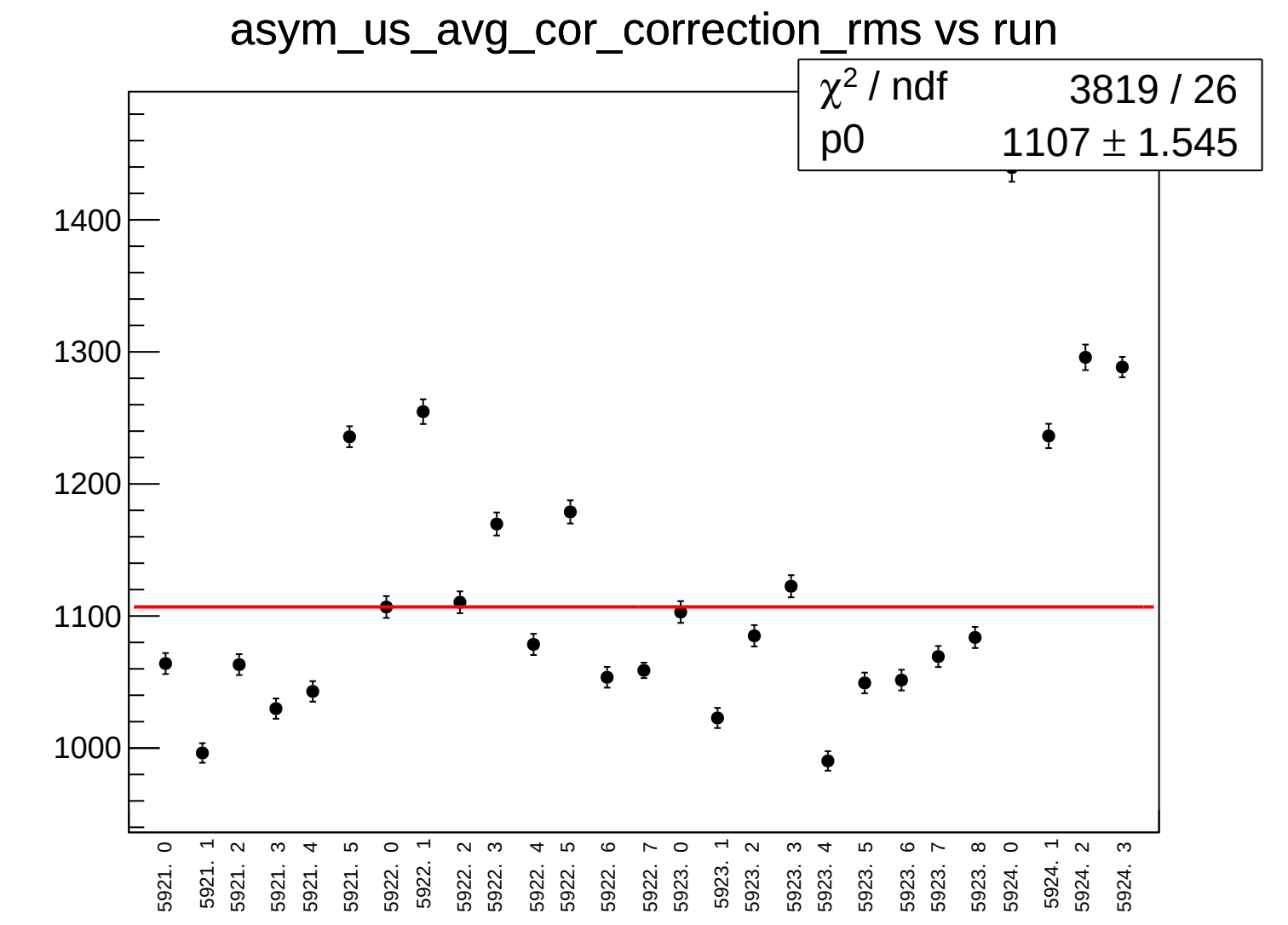
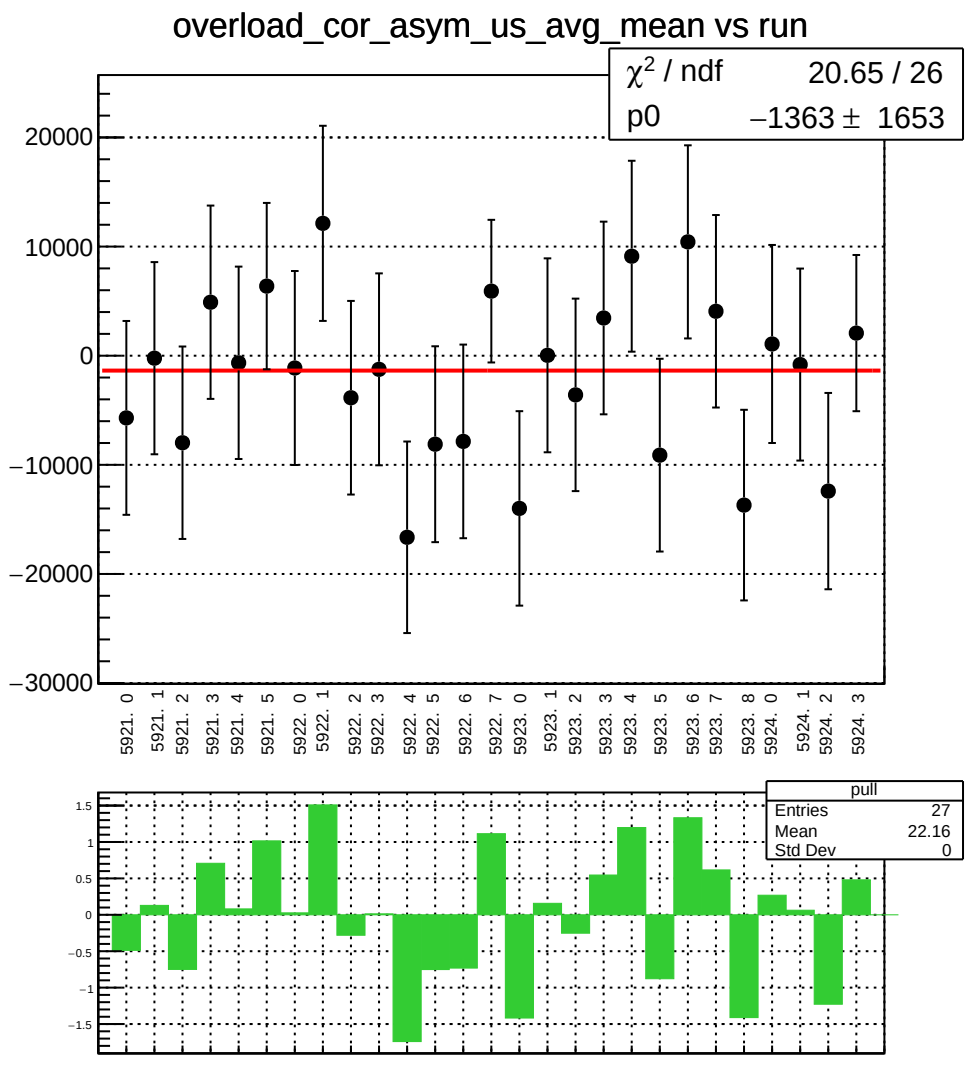
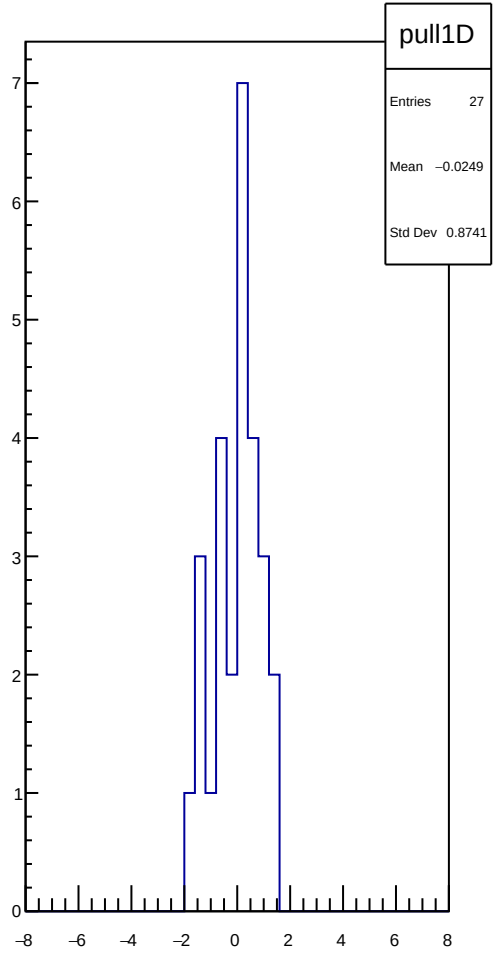
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

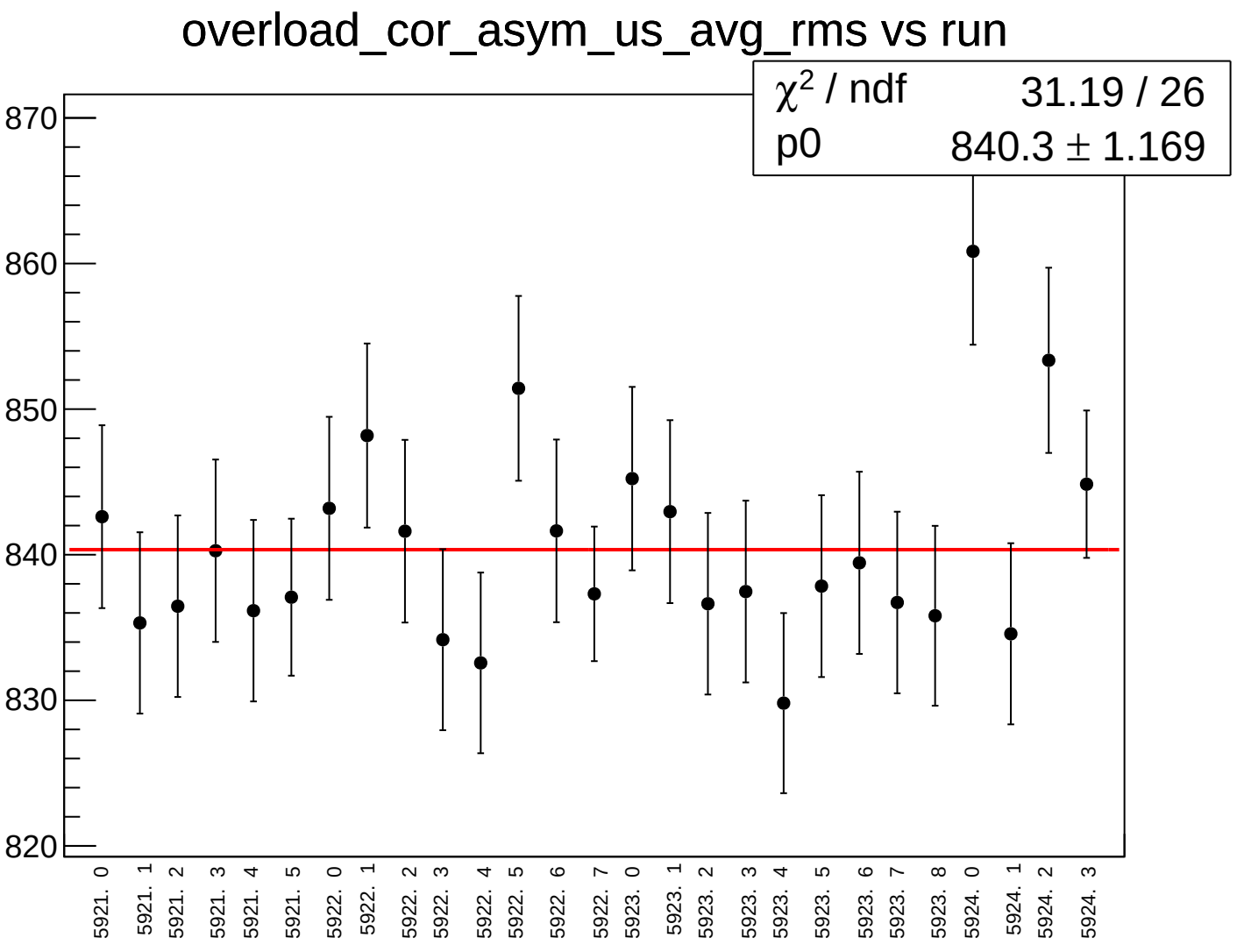

asym_us_avg_cor_correction_mean vs run
χ² / ndf 28.15 / 26
p0 1699 ± 2185
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 849.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 27
Mean −0.0009132
Std Dev 1.021
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_cor_correction_rms vs run
χ² / ndf 3819 / 26
p0 1107 ± 1.545
1400
1300
1200
1100
1000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


overload_cor_asym_us_avg_mean vs run
χ² / ndf 20.65 / 26
p0 −1363 ± 1653
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 22.16
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 27
Mean −0.0249
Std Dev 0.8741
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


overload_cor_asym_us_avg_rms vs run
χ^2 / ndf 31.19 / 26
p0 840.3 ± 1.169
870
860
850
840
830
820
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
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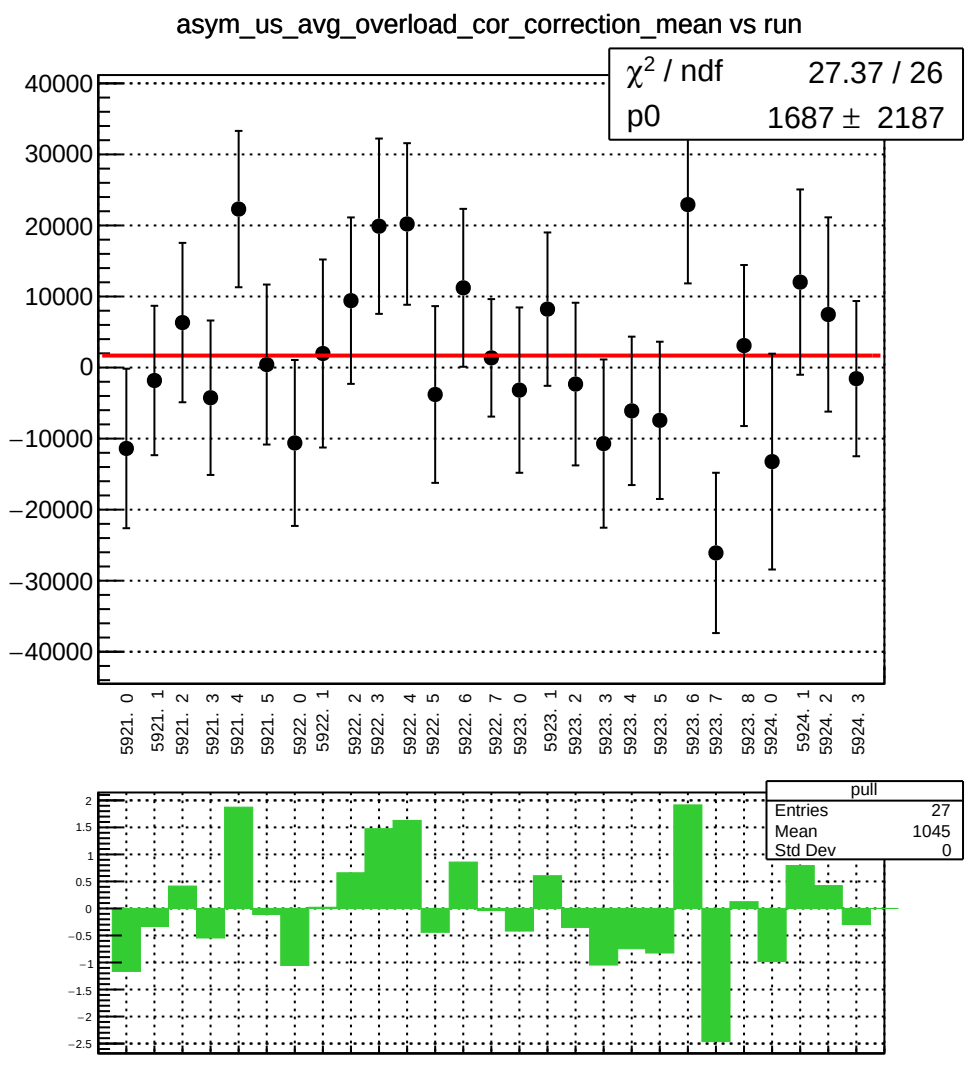
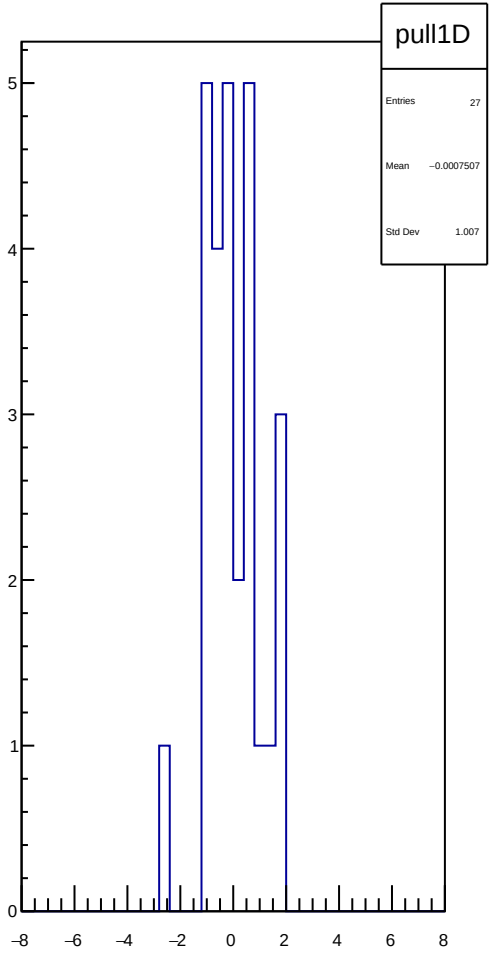
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


asym_us_avg_overload_cor_correction_mean vs run
χ² / ndf 27.37 / 26
p0 1687 ± 2187
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 1045
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 27
Mean −0.0007507
Std Dev 1.007
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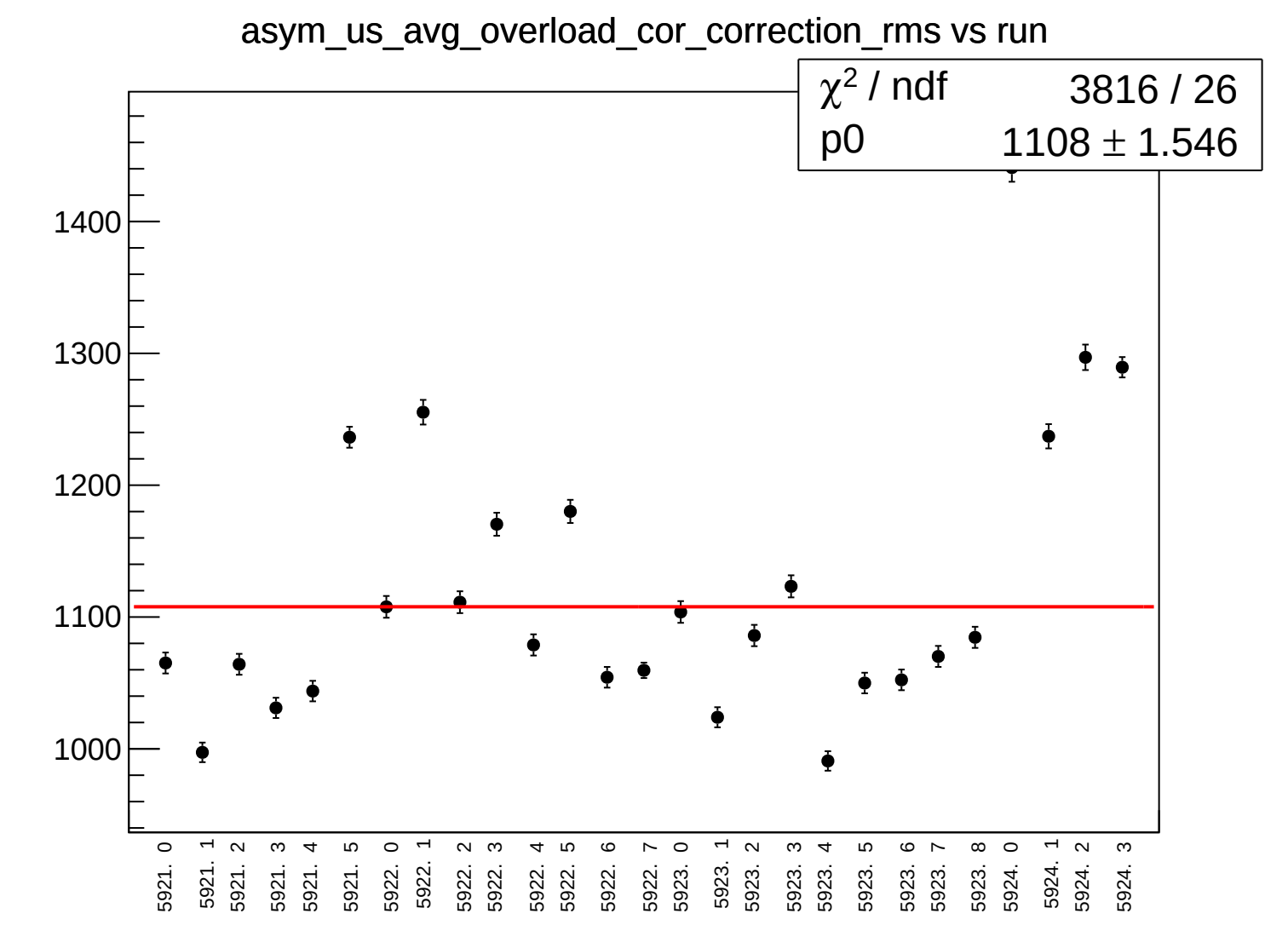
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_overload_cor_correction_rms vs run
χ² / ndf 3816 / 26
p0 1108 ± 1.546
1400
1300
1200
1100
1000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
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5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
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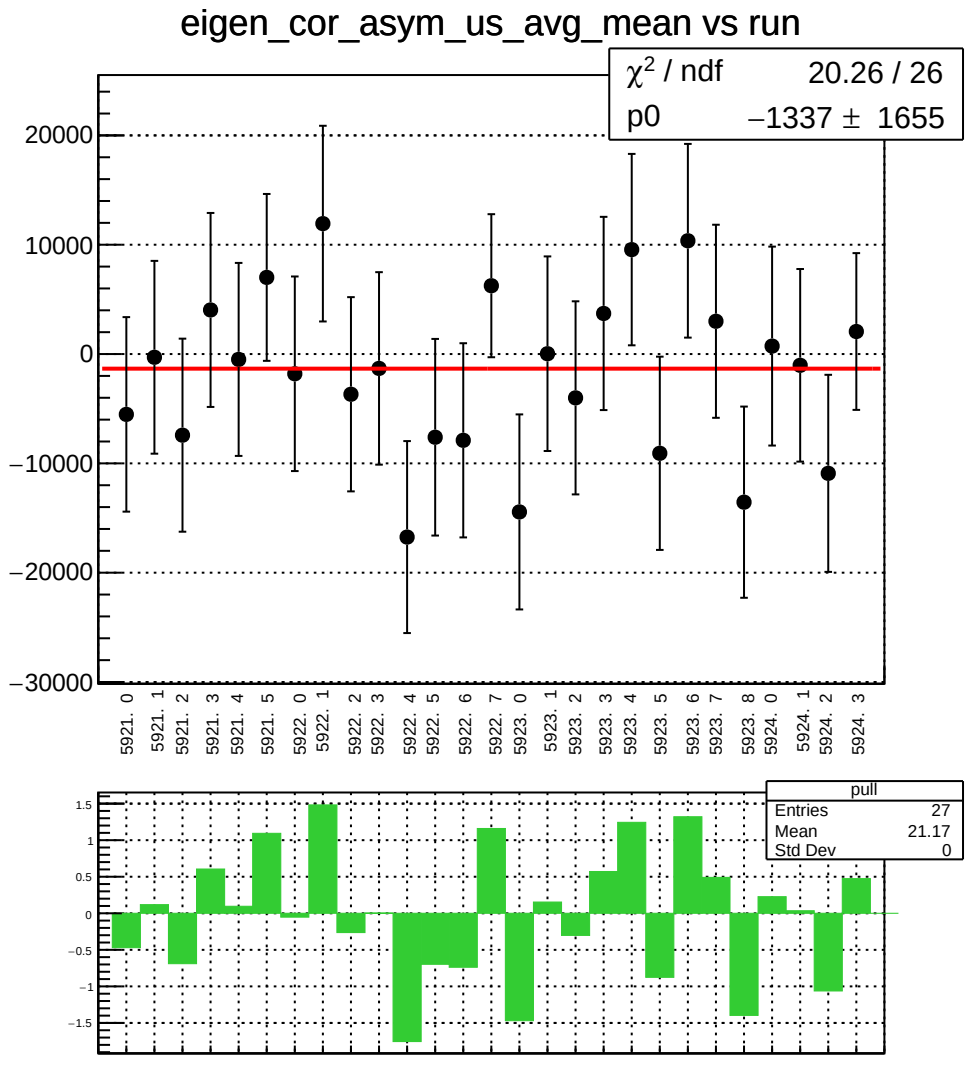
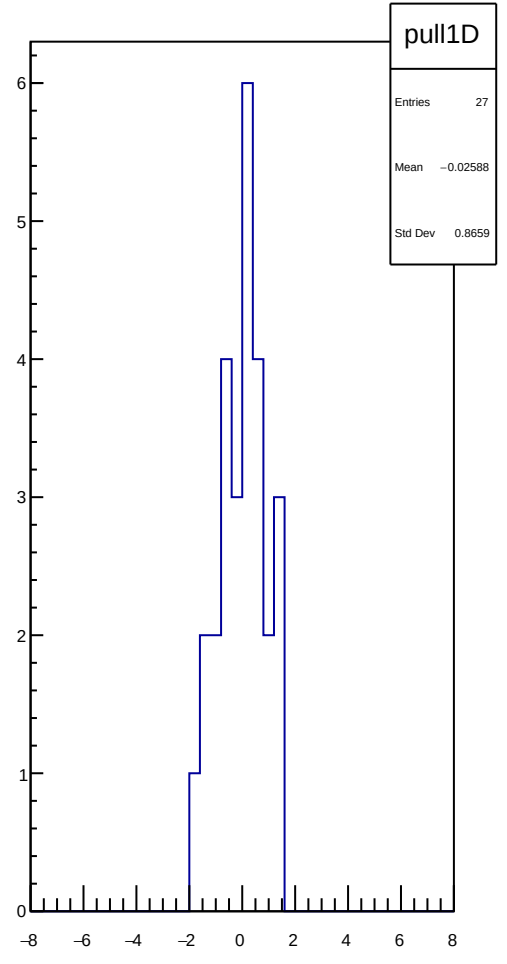
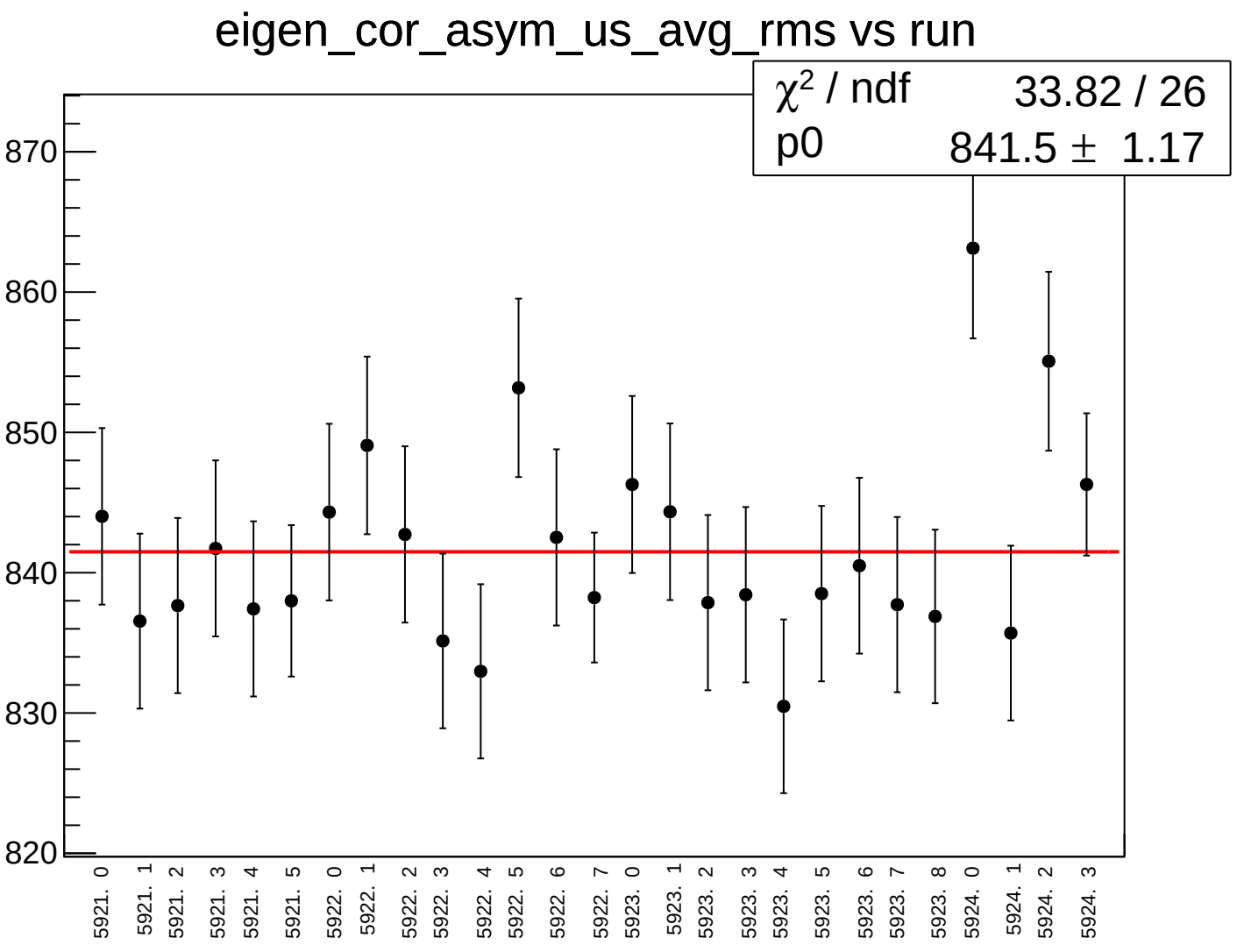
5924. 2
5924. 3


eigen_cor_asym_us_avg_mean vs run
χ² / ndf 20.26 / 26
p0 −1337 ± 1655
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 21.17
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 27
Mean −0.02588
Std Dev 0.8659
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_us_avg_rms vs run
χ² / ndf 33.82 / 26
p0 841.5 ± 1.17
870
860
850
840
830
820
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
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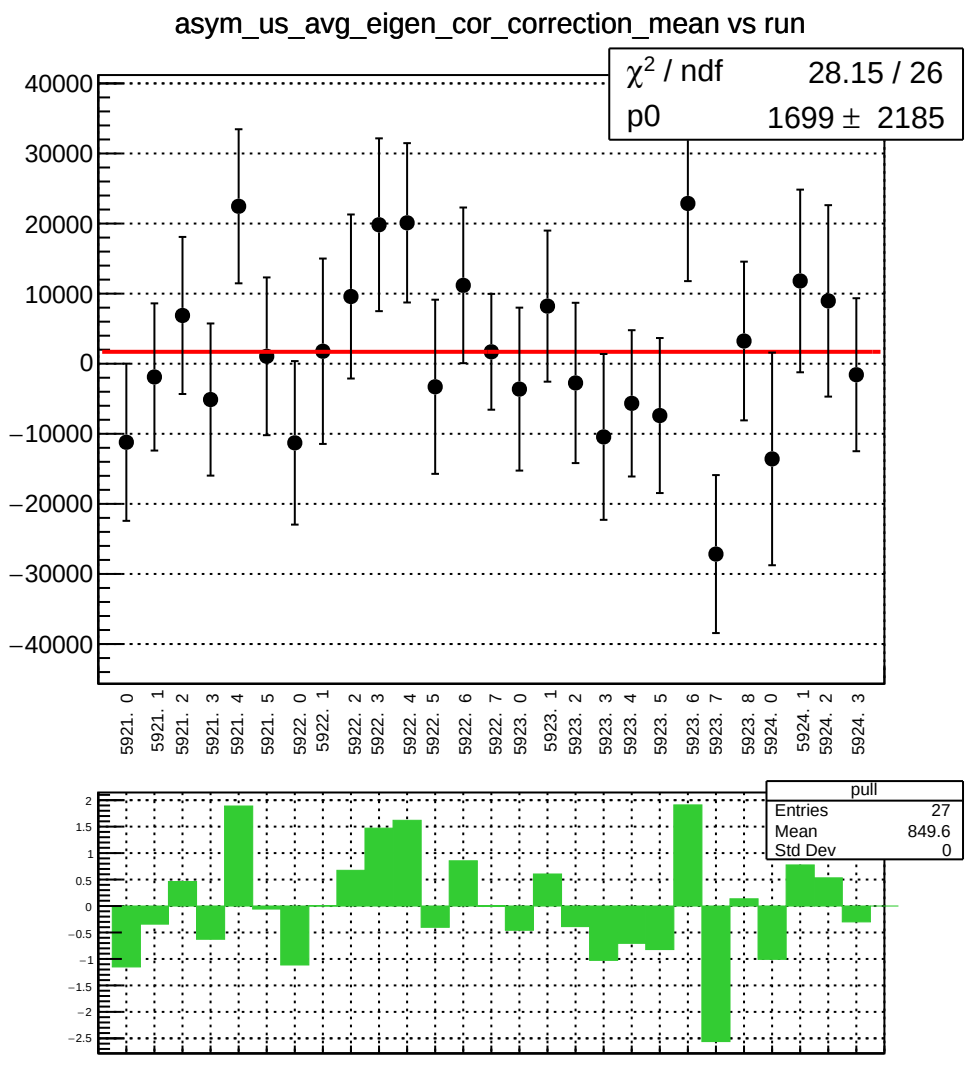
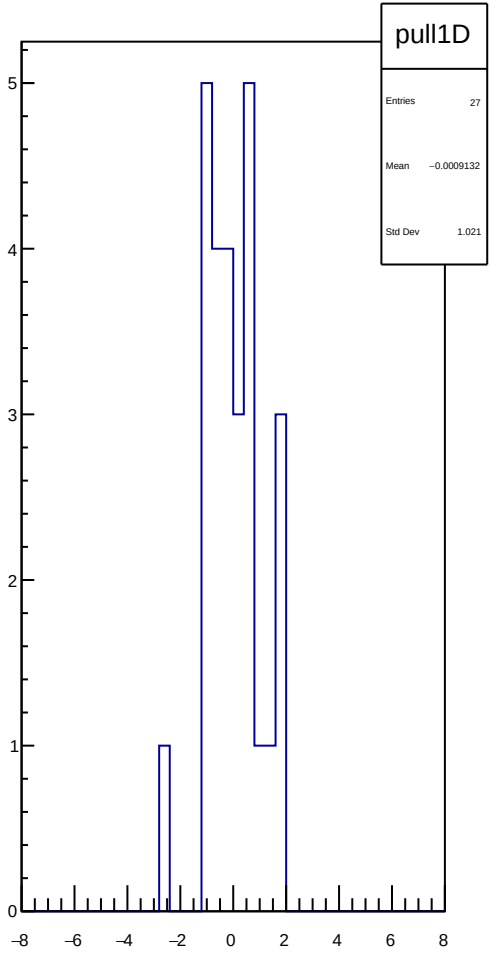
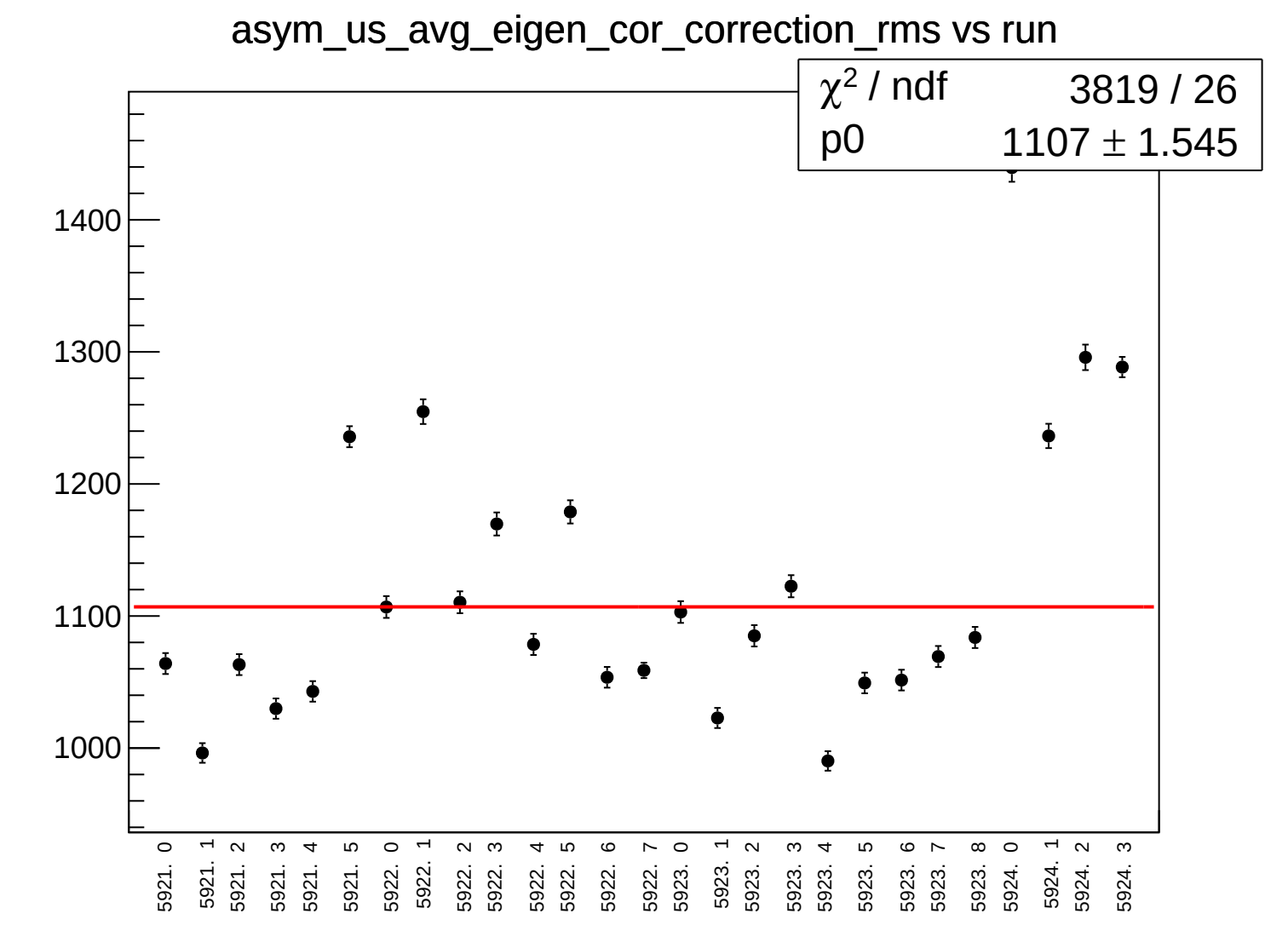
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


asym_us_avg_eigen_cor_correction_mean vs run
χ² / ndf 28.15 / 26
p0 1699 ± 2185
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 849.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 27
Mean −0.0009132
Std Dev 1.021
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_eigen_cor_correction_rms vs run
χ² / ndf 3819 / 26
p0 1107 ± 1.545
1400
1300
1200
1100
1000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
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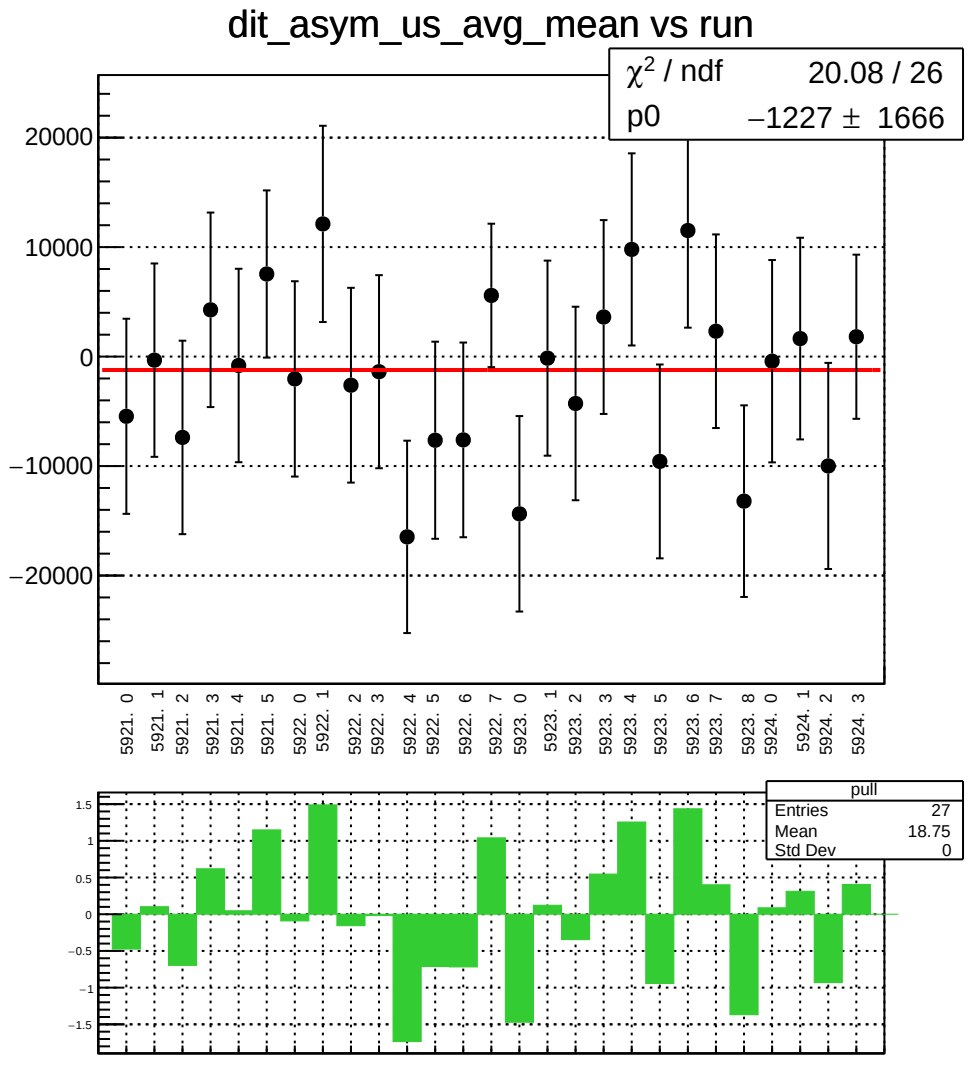
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


dit_asym_us_avg_mean vs run
χ² / ndf 20.08 / 26
p0 −1227 ± 1666
20000
10000
0
−10000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
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5922. 6
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5923. 0
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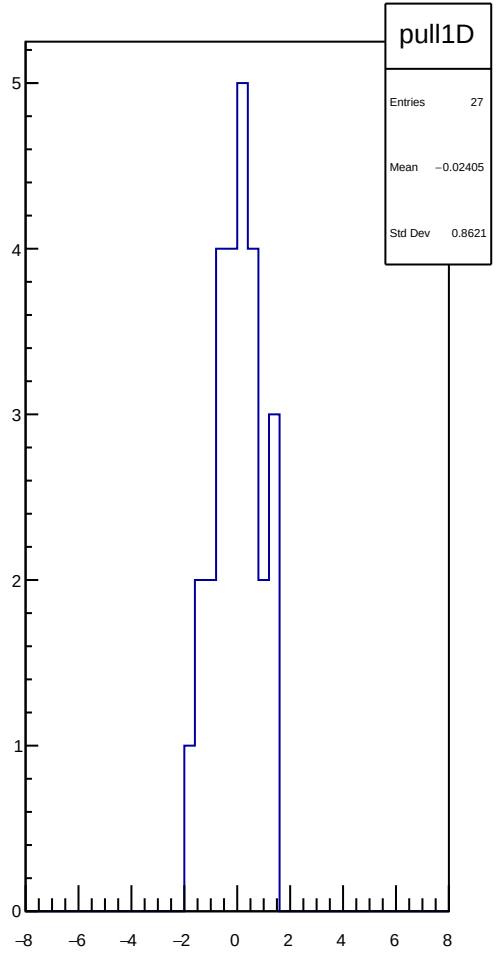
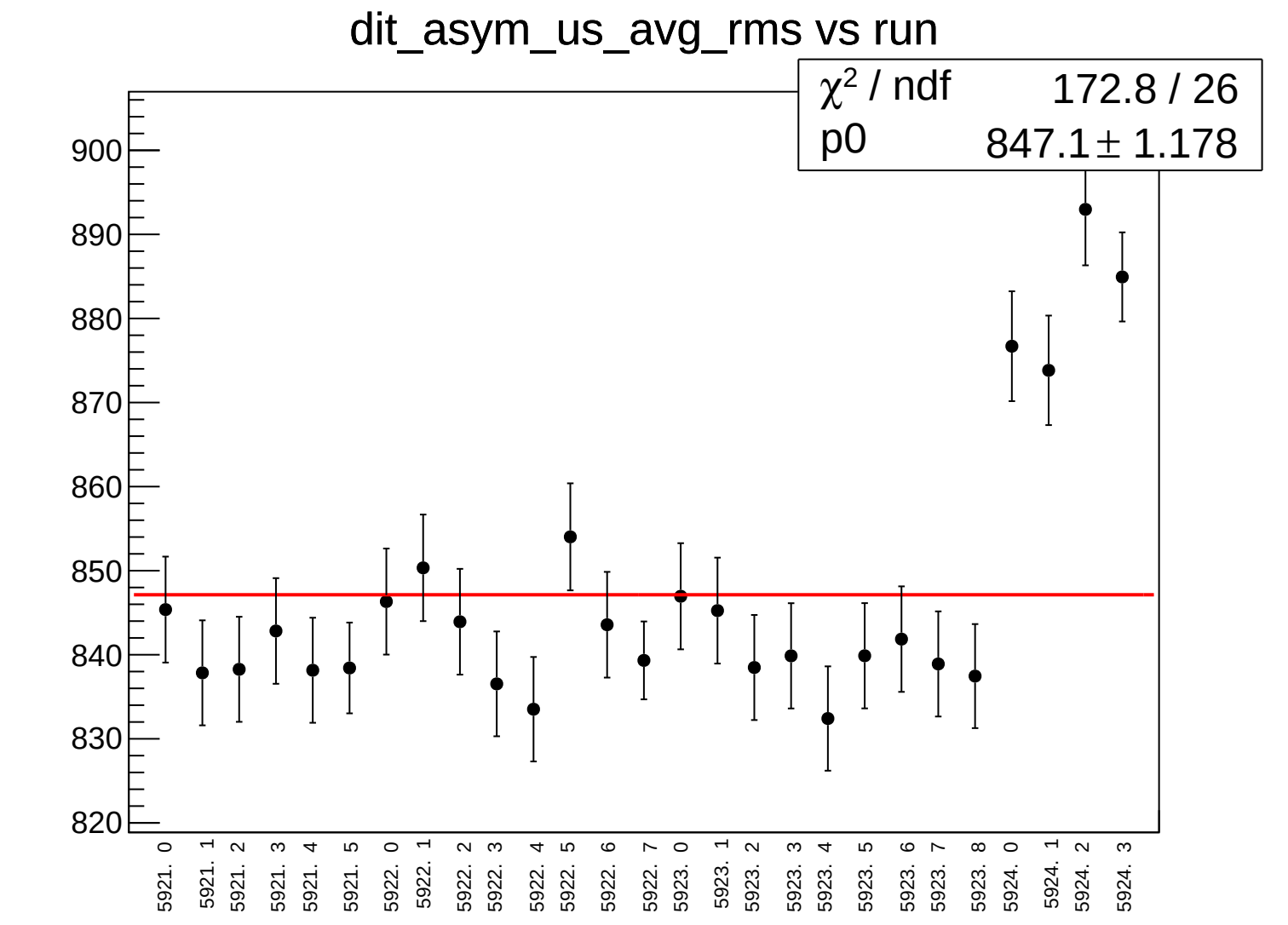
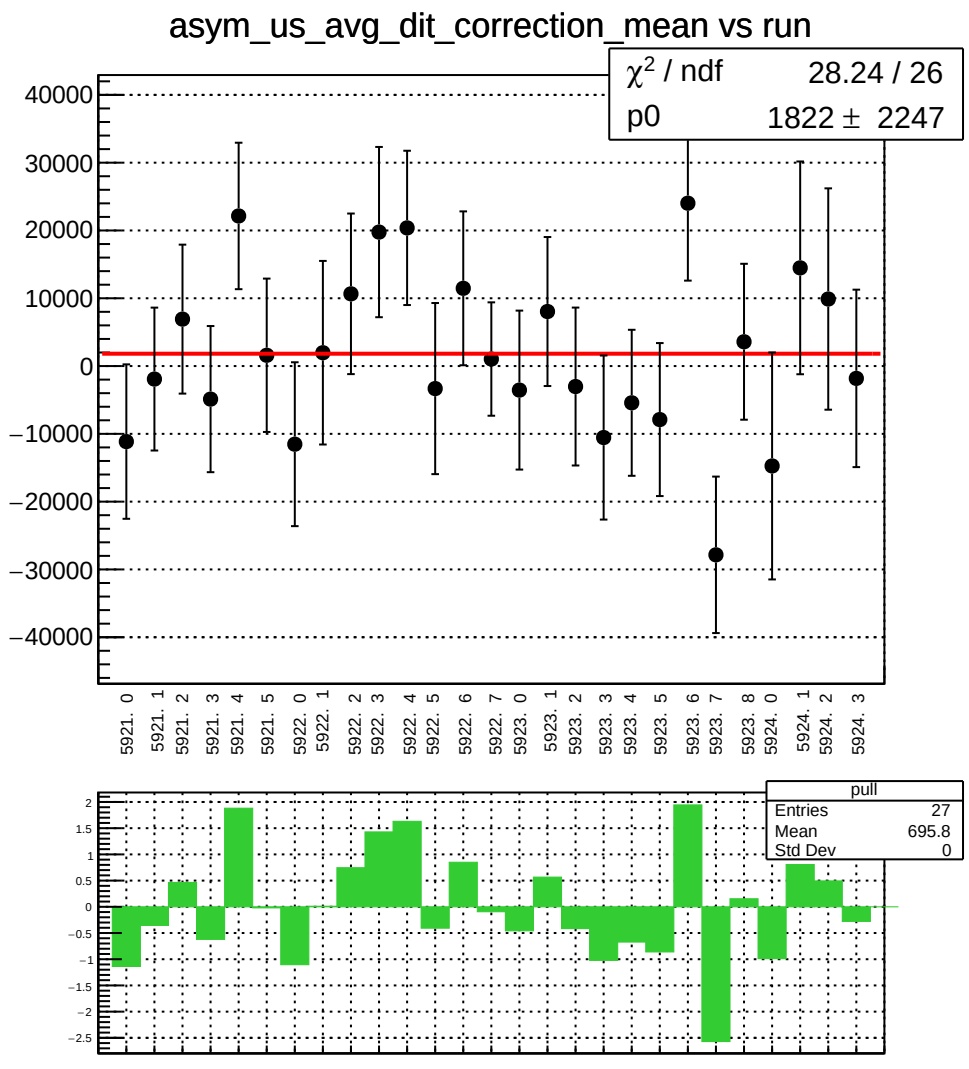
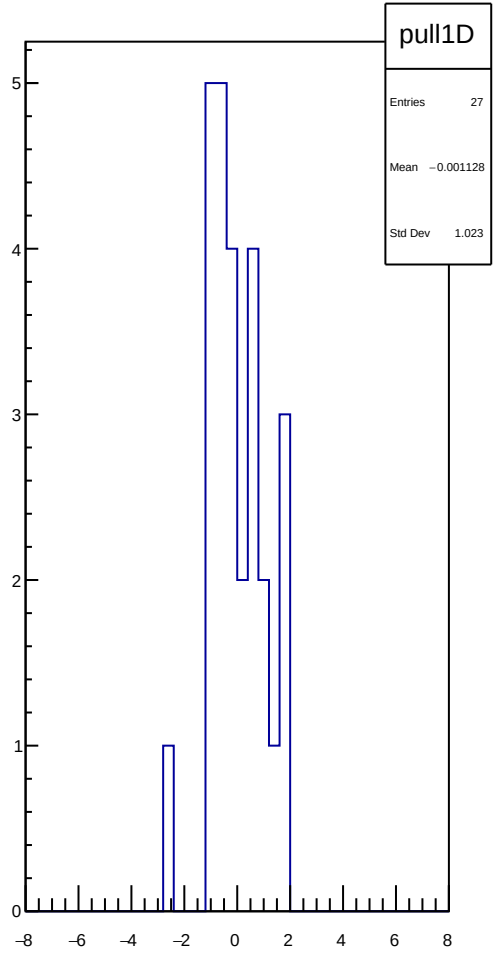
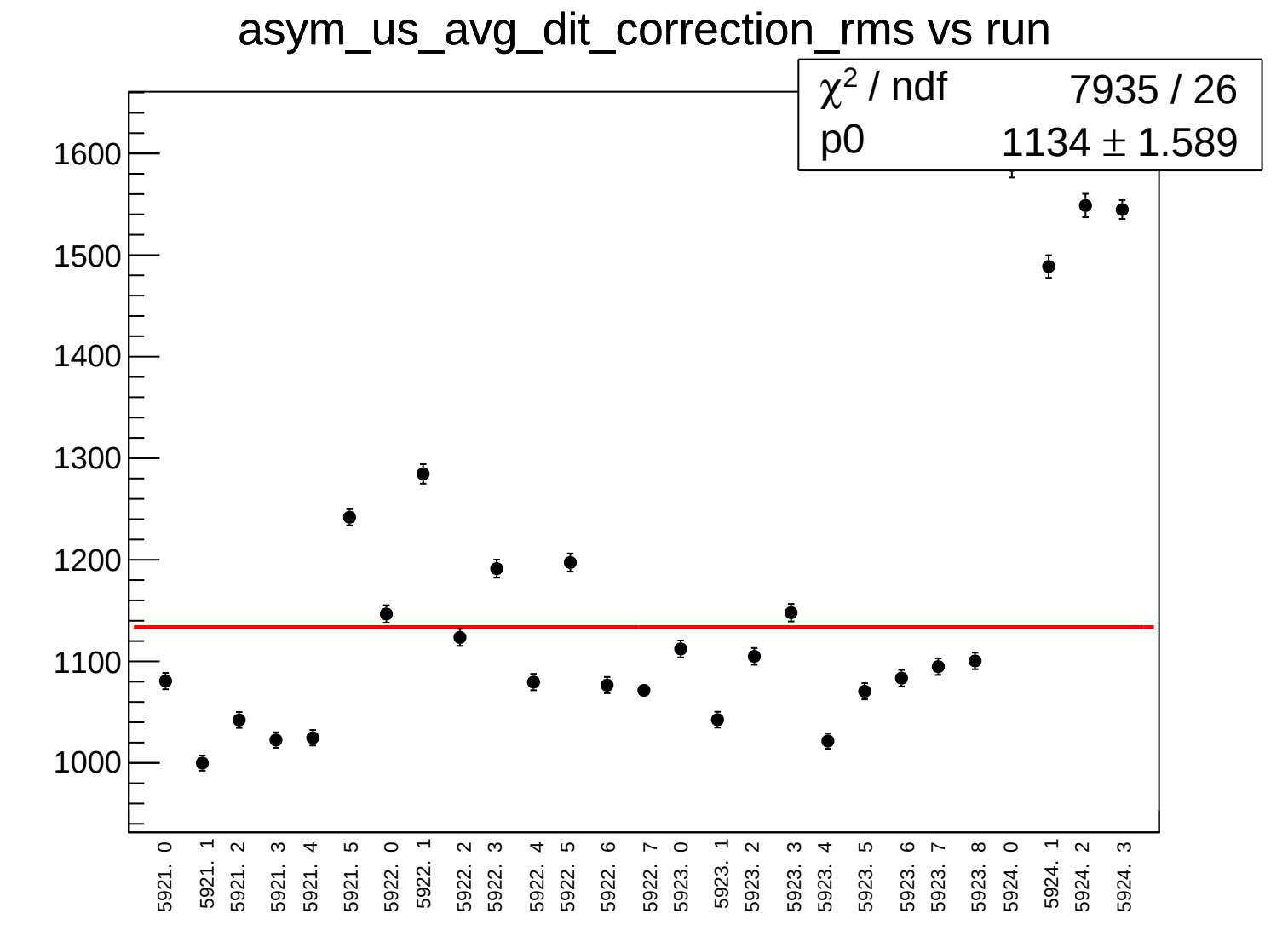
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 18.75
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

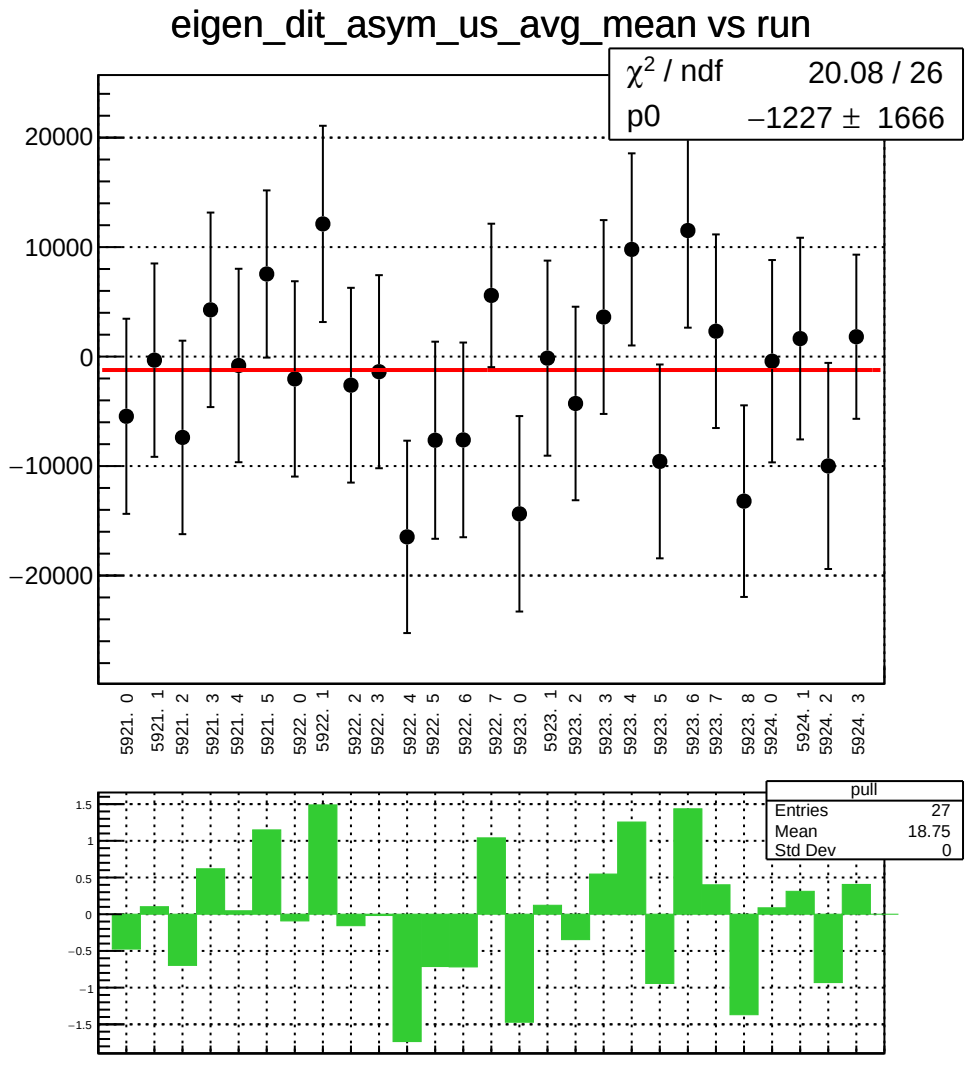

pull1D
Entries 27
Mean −0.02405
Std Dev 0.8621
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

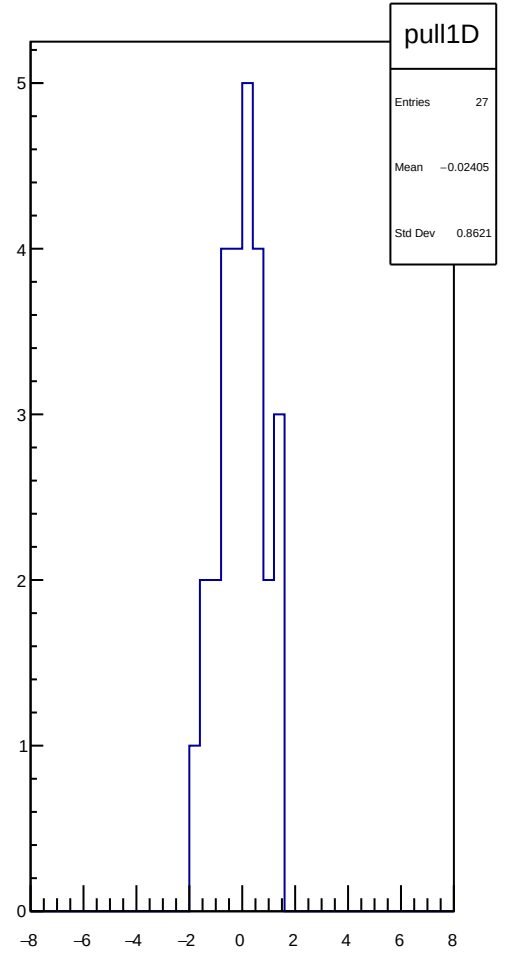

dit_asym_us_avg_rms vs run
χ² / ndf 172.8 / 26
p0 847.1 ± 1.178
900
890
880
870
860
850
840
830
820
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

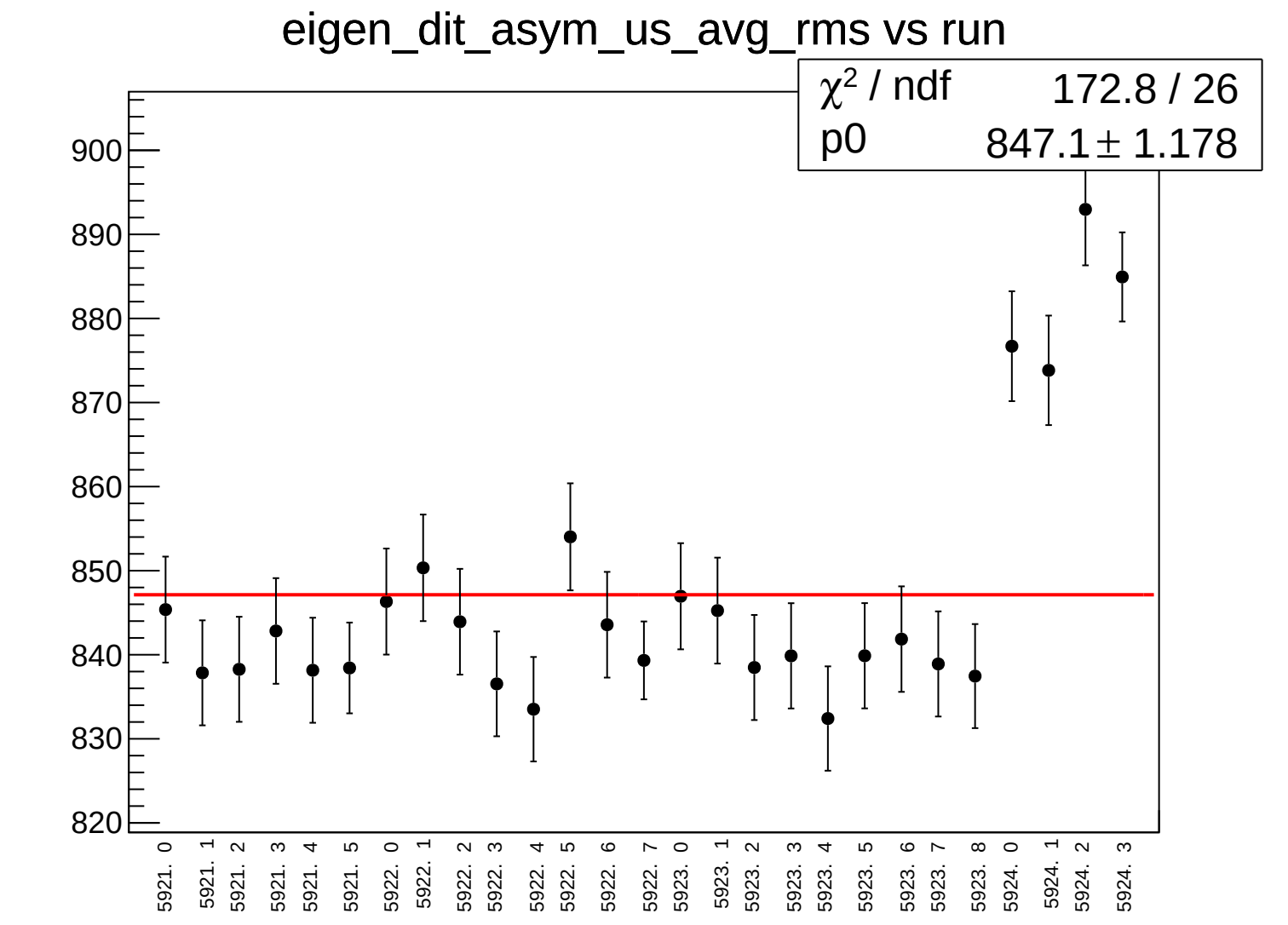

asym_us_avg_dit_correction_mean vs run
χ² / ndf 28.24 / 26
p0 1822 ± 2247
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 695.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

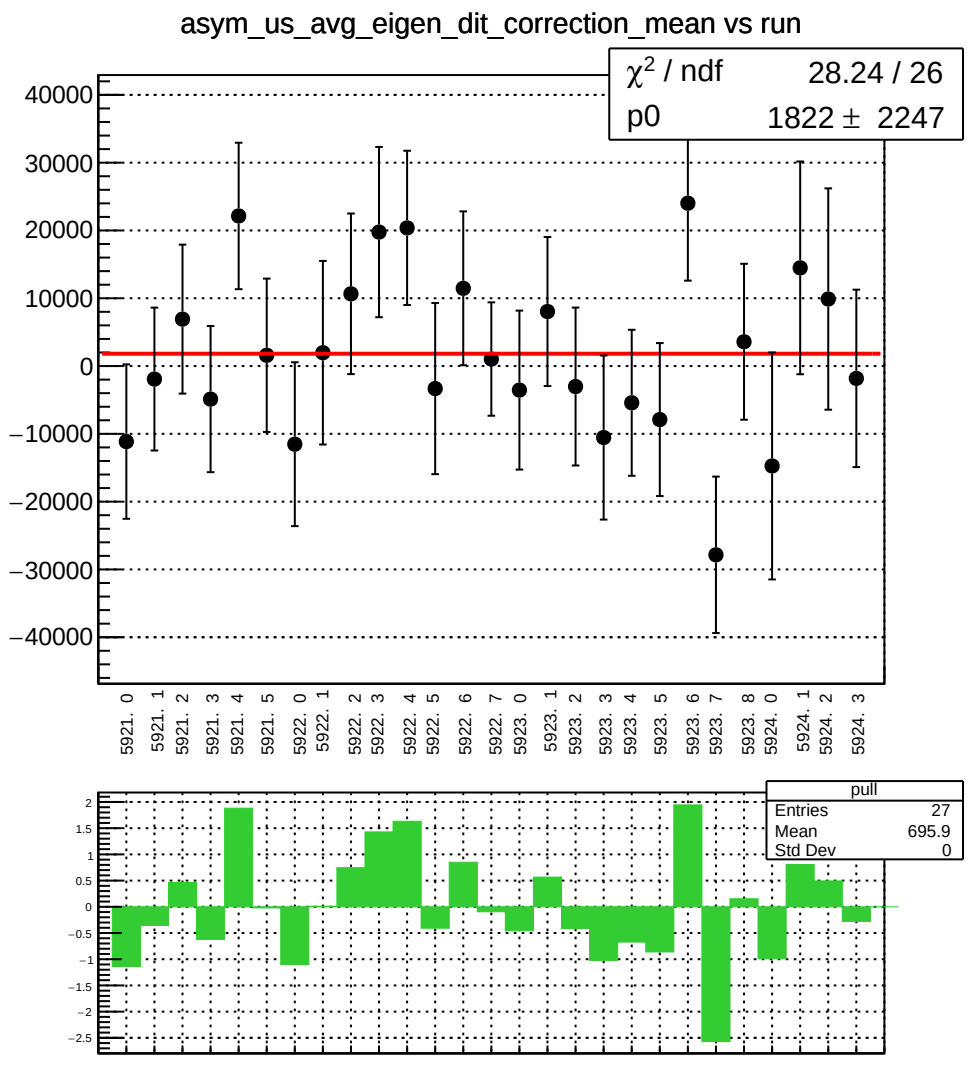

pull1D
Entries 27
Mean −0.001128
Std Dev 1.023
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

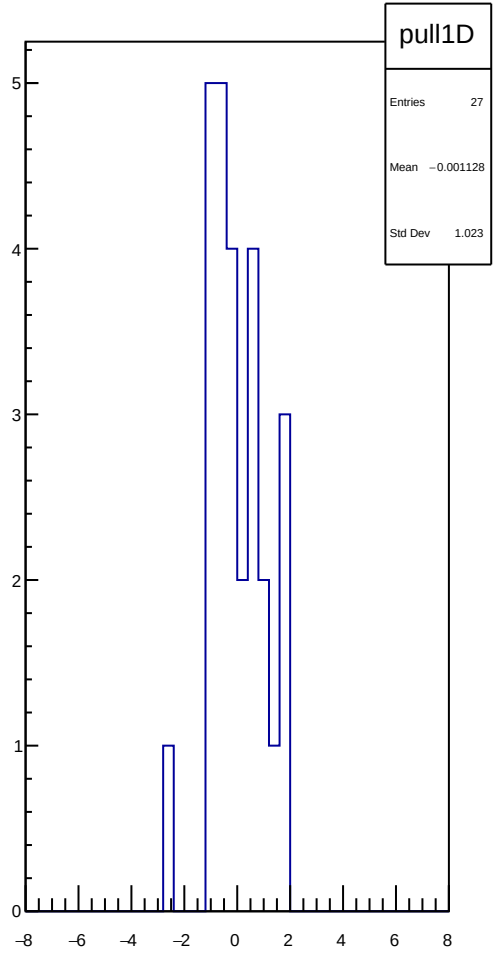

asym_us_avg_dit_correction_rms vs run
χ² / ndf 7935 / 26
p0 1134 ± 1.589
1600
1500
1400
1300
1200
1100
1000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

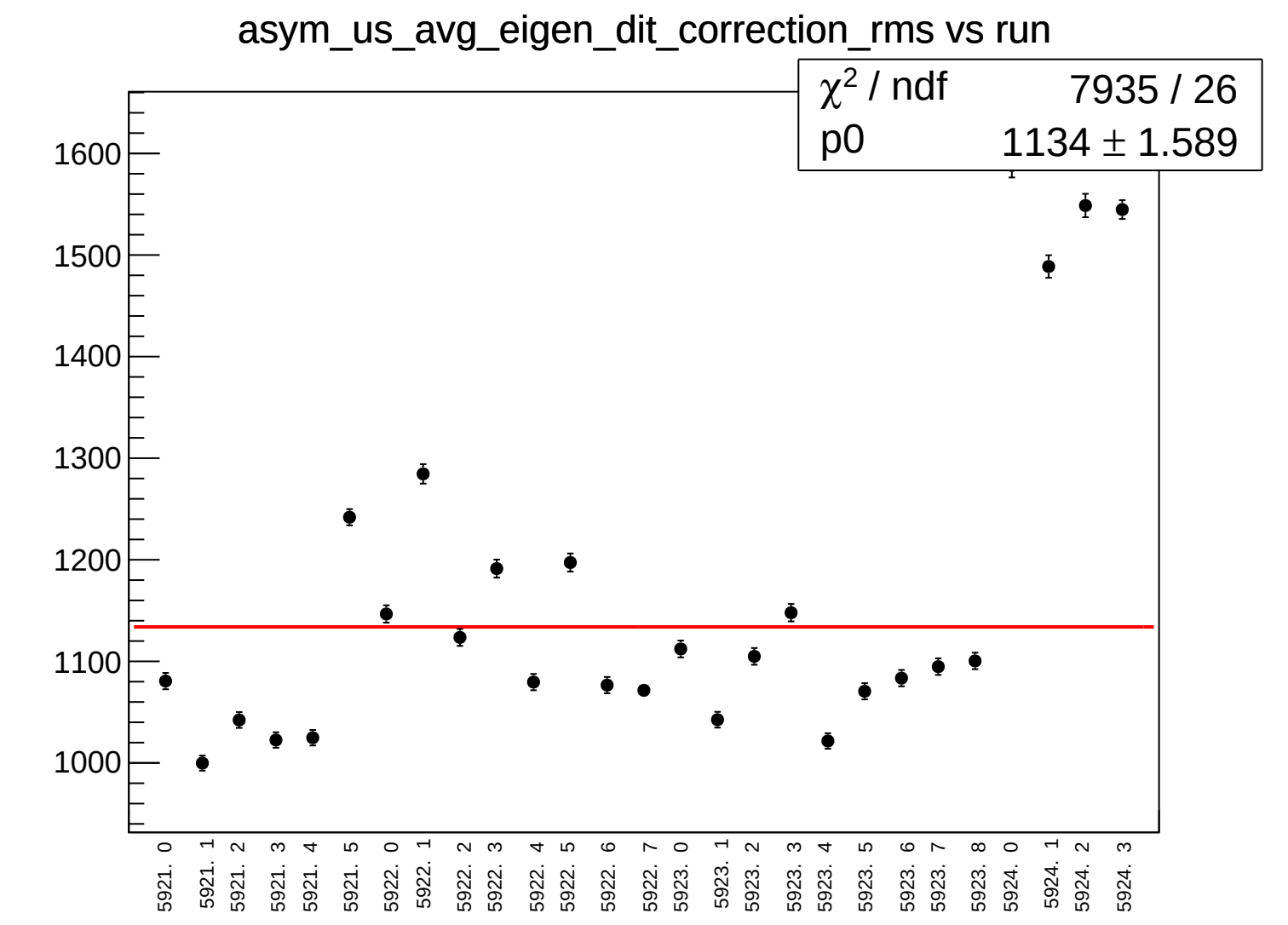

eigen_dit_asym_us_avg_mean vs run
χ² / ndf 20.08 / 26
p0 −1227 ± 1666
20000
10000
0
−10000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 18.75
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

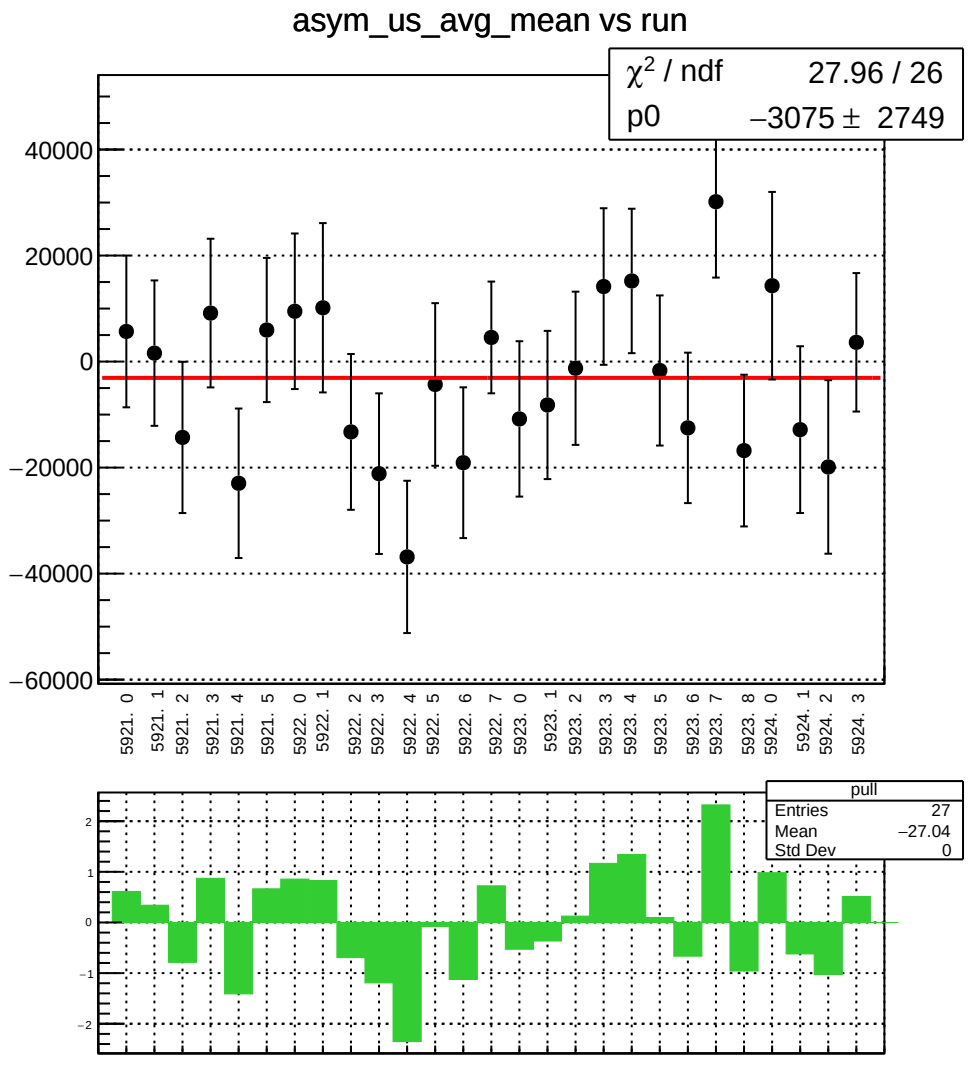

pull1D
Entries 27
Mean −0.02405
Std Dev 0.8621
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

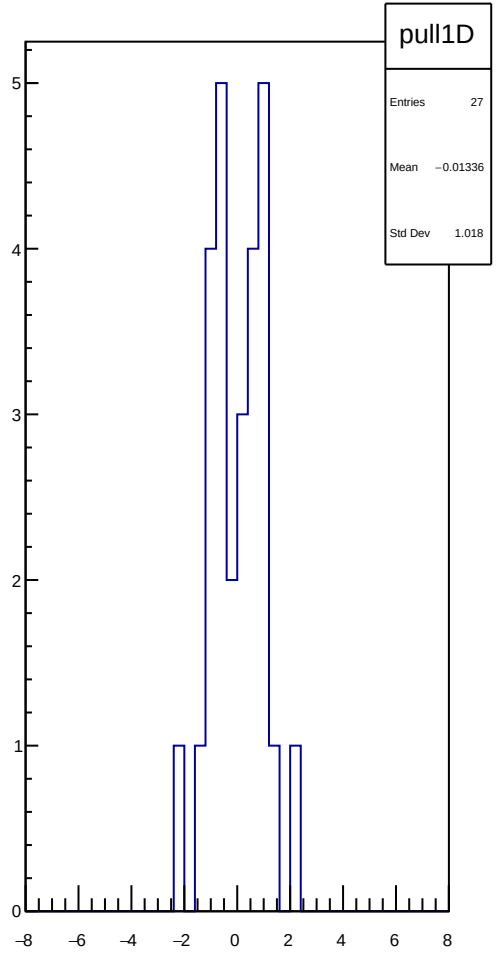

eigen_dit_asym_us_avg_rms vs run
χ² / ndf 172.8 / 26
p0 847.1 ± 1.178
900
890
880
870
860
850
840
830
820
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

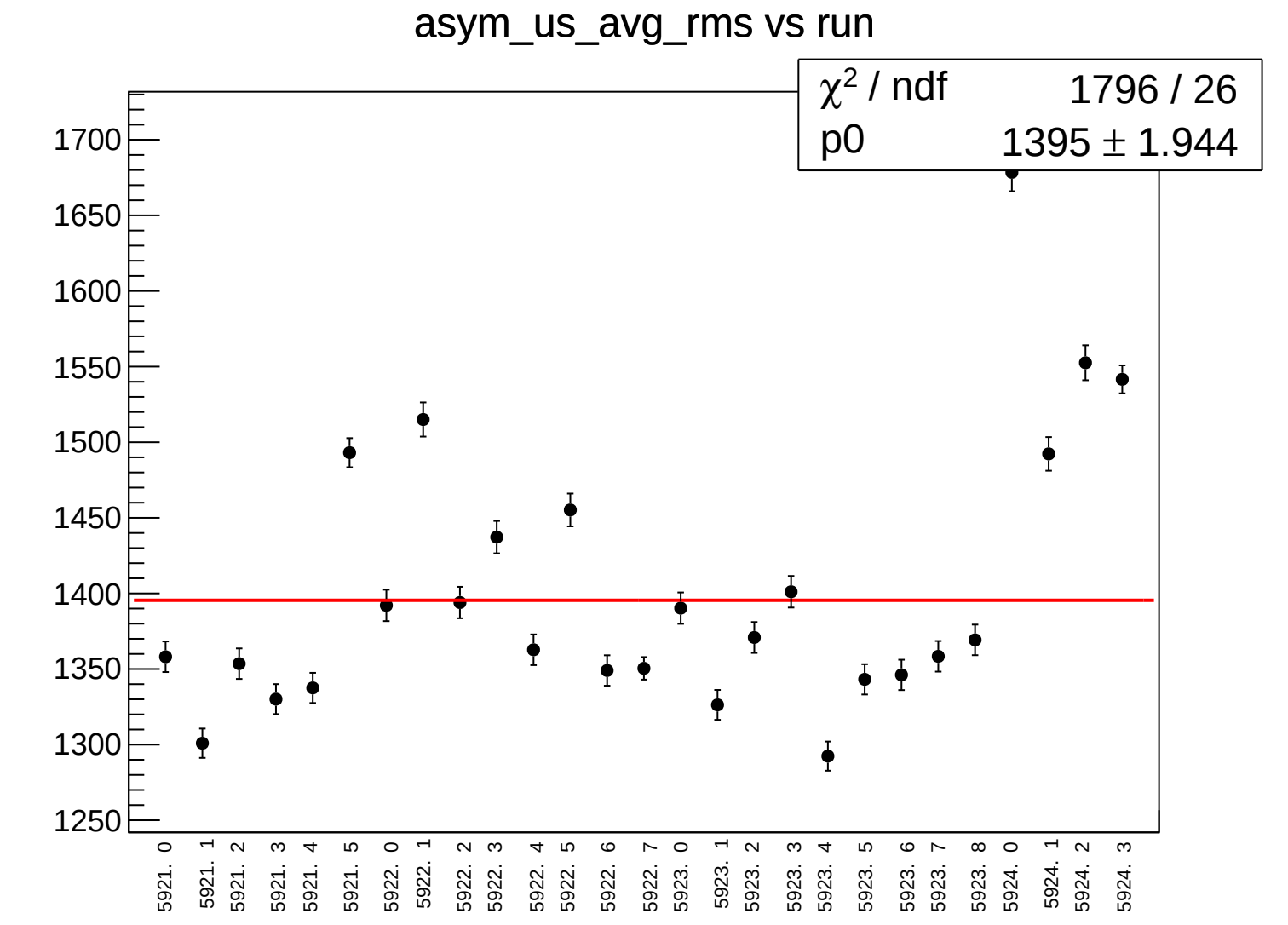

asym_us_avg_eigen_dit_correction_mean vs run
χ² / ndf 28.24 / 26
p0 1822 ± 2247
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 695.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

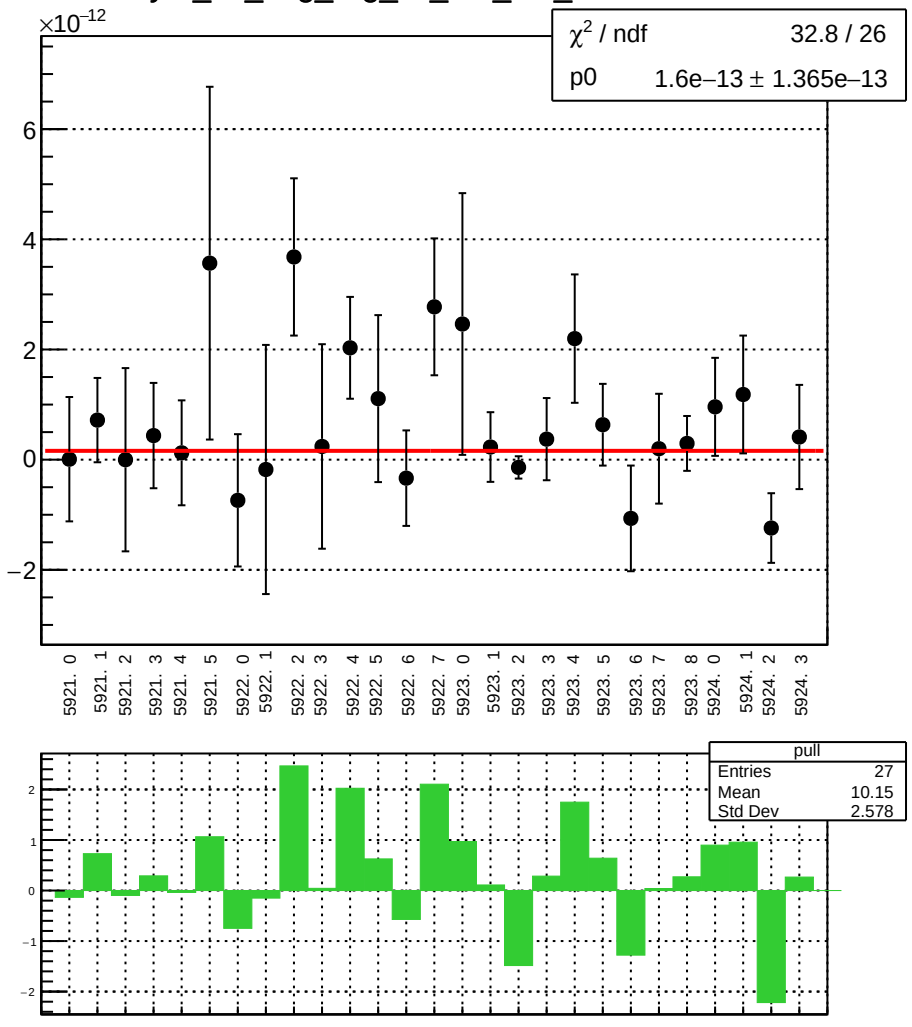

pull1D
Entries 27
Mean −0.001128
Std Dev 1.023
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

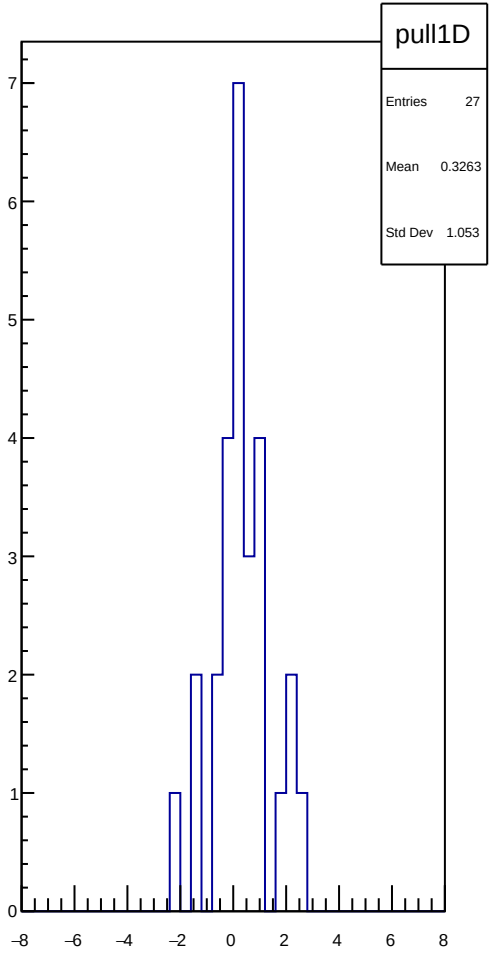

asym_us_avg_eigen_dit_correction_rms vs run
χ² / ndf 7935 / 26
p0 1134 ± 1.589
1600
1500
1400
1300
1200
1100
1000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

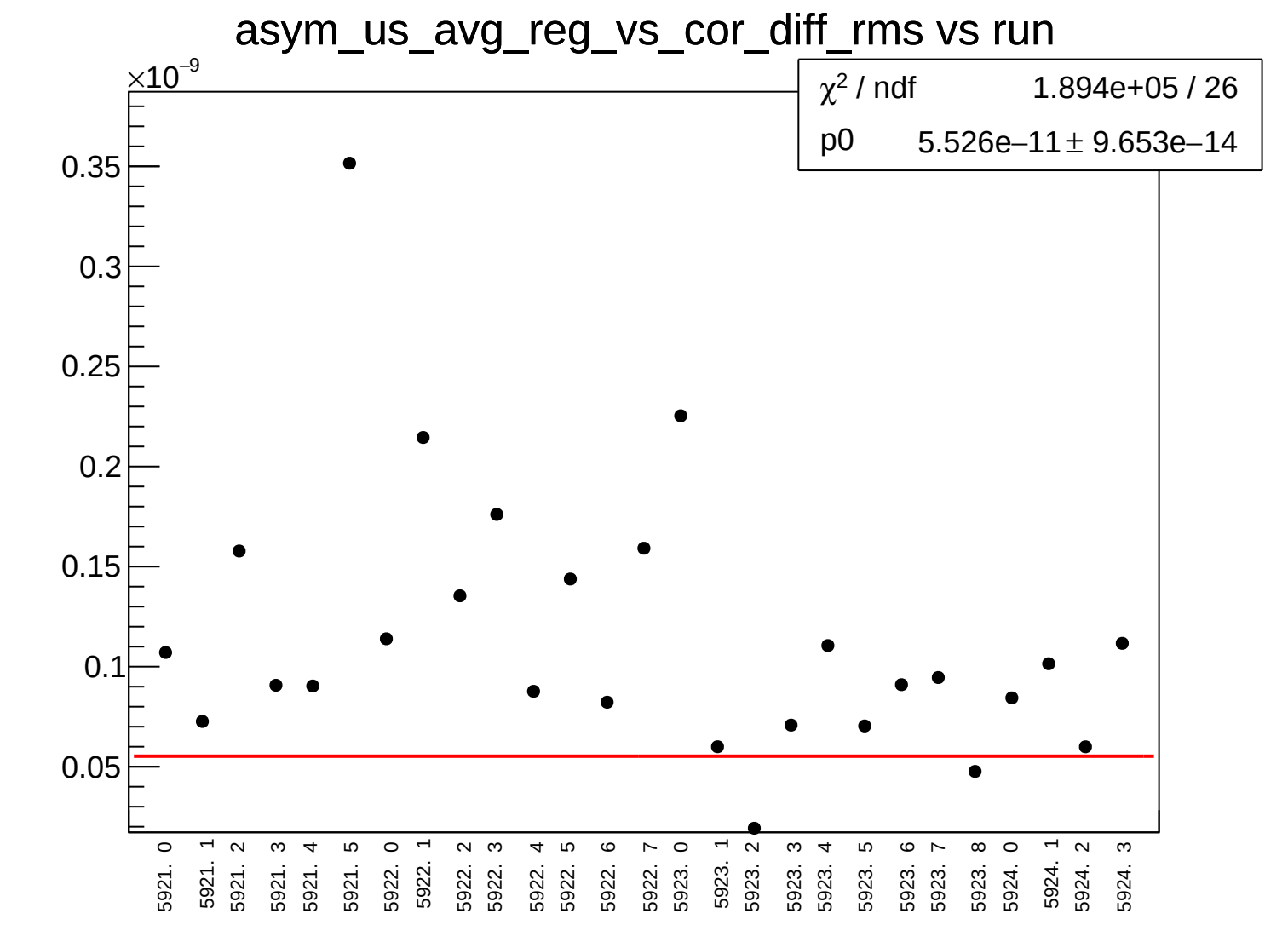

asym_us_avg_mean vs run
χ² / ndf 27.96 / 26
p0 −3075 ± 2749
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −27.04
Std Dev 0
2
1
0
−1
−2

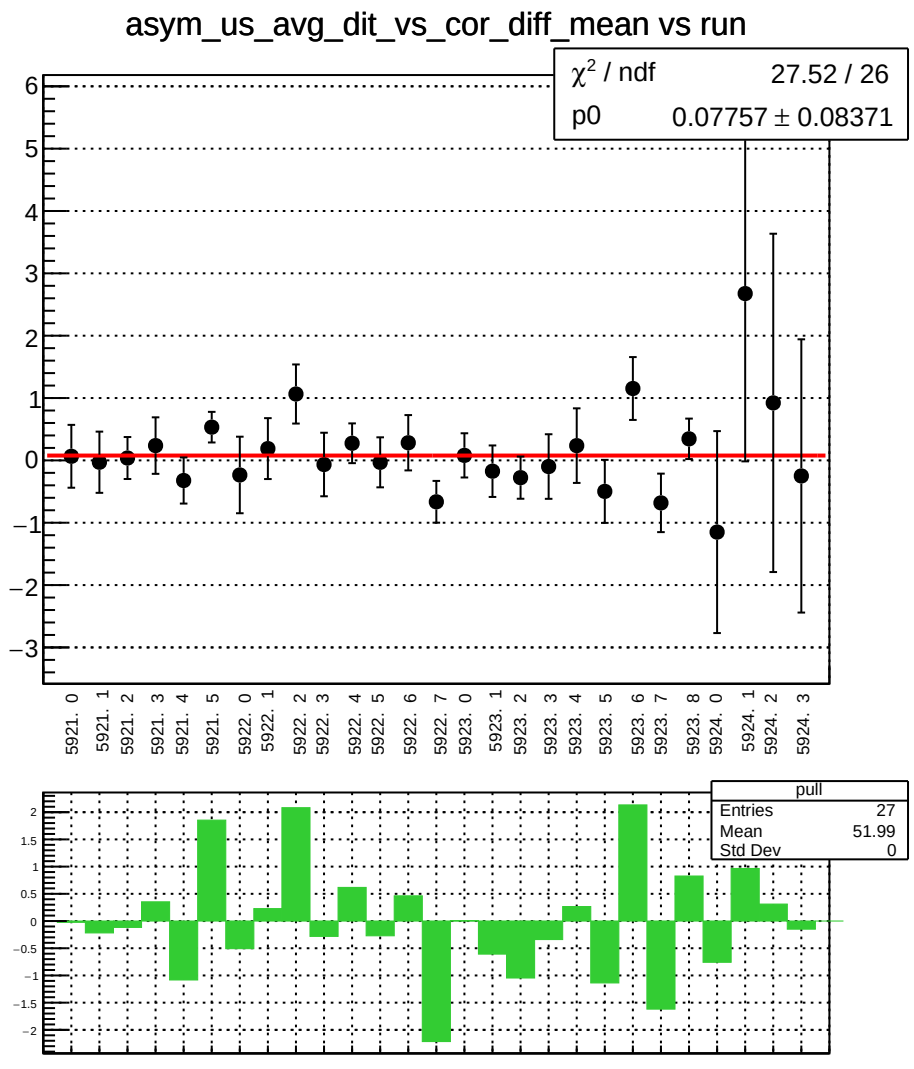

pull1D
Entries 27
Mean −0.01336
Std Dev 1.018
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

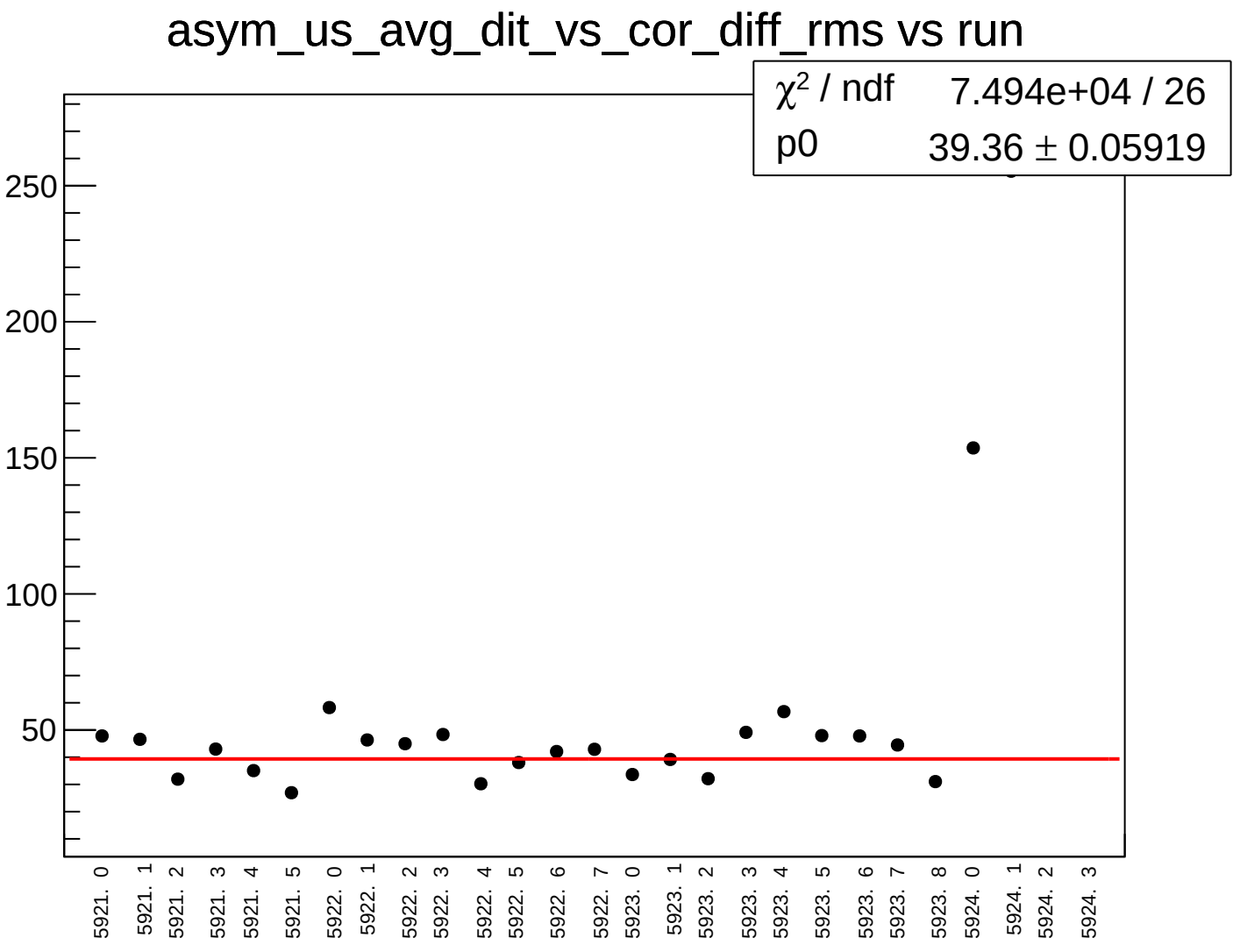

asym_us_avg_rms vs run
χ² / ndf 1796 / 26
p0 1395 ± 1.944
1700
1650
1600
1550
1500
1450
1400
1350
1300
1250
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

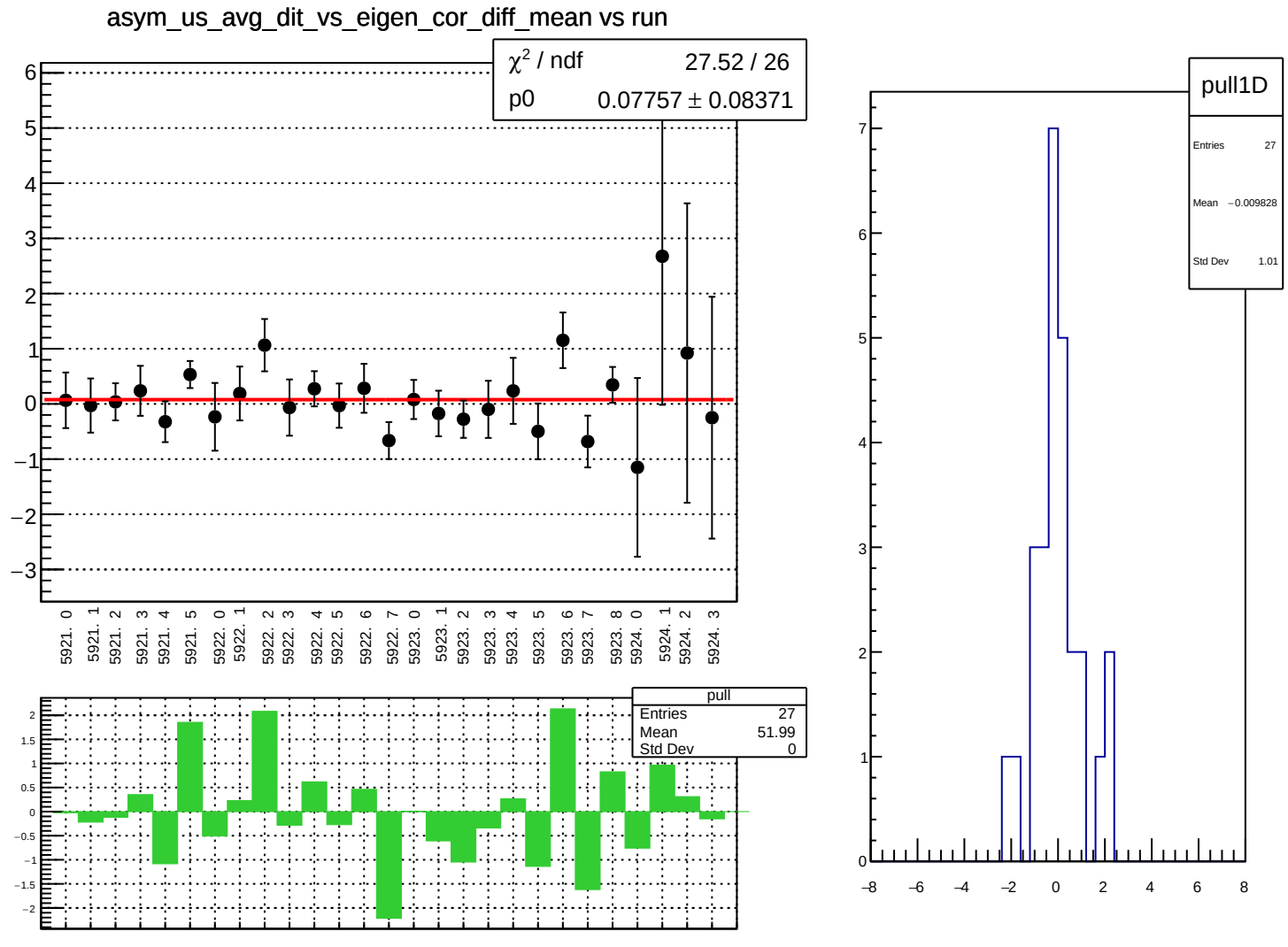

asym_us_avg_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 32.8 / 26
p0 1.6e−13 ± 1.365e−13
6
4
2
0
−2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 10.15
Std Dev 2.578
2
1
0
−1
−2

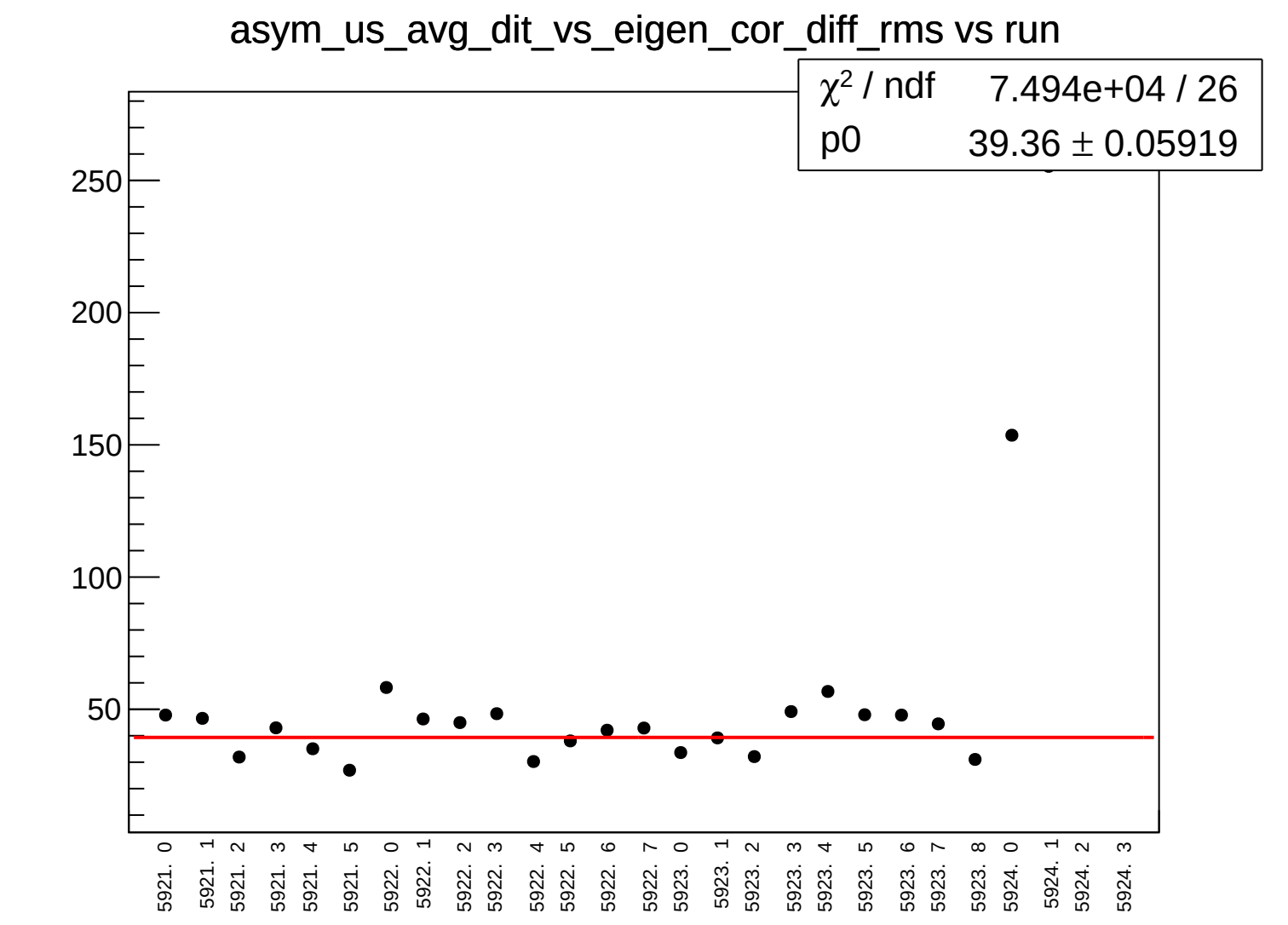

pull1D
Entries 27
Mean 0.3263
Std Dev 1.053
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

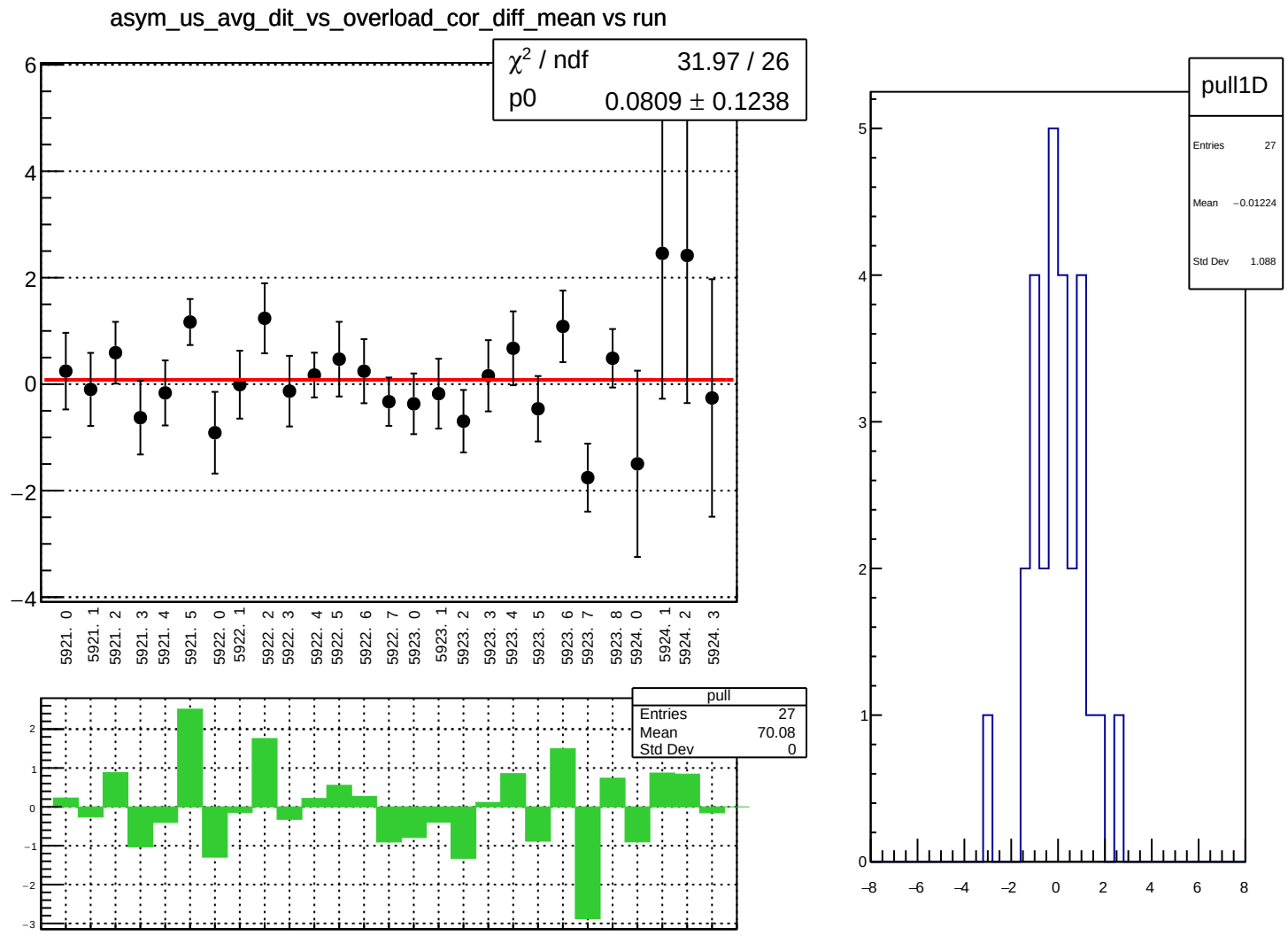

asym_us_avg_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.894e+05 / 26
p0 5.526e−11 ± 9.653e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

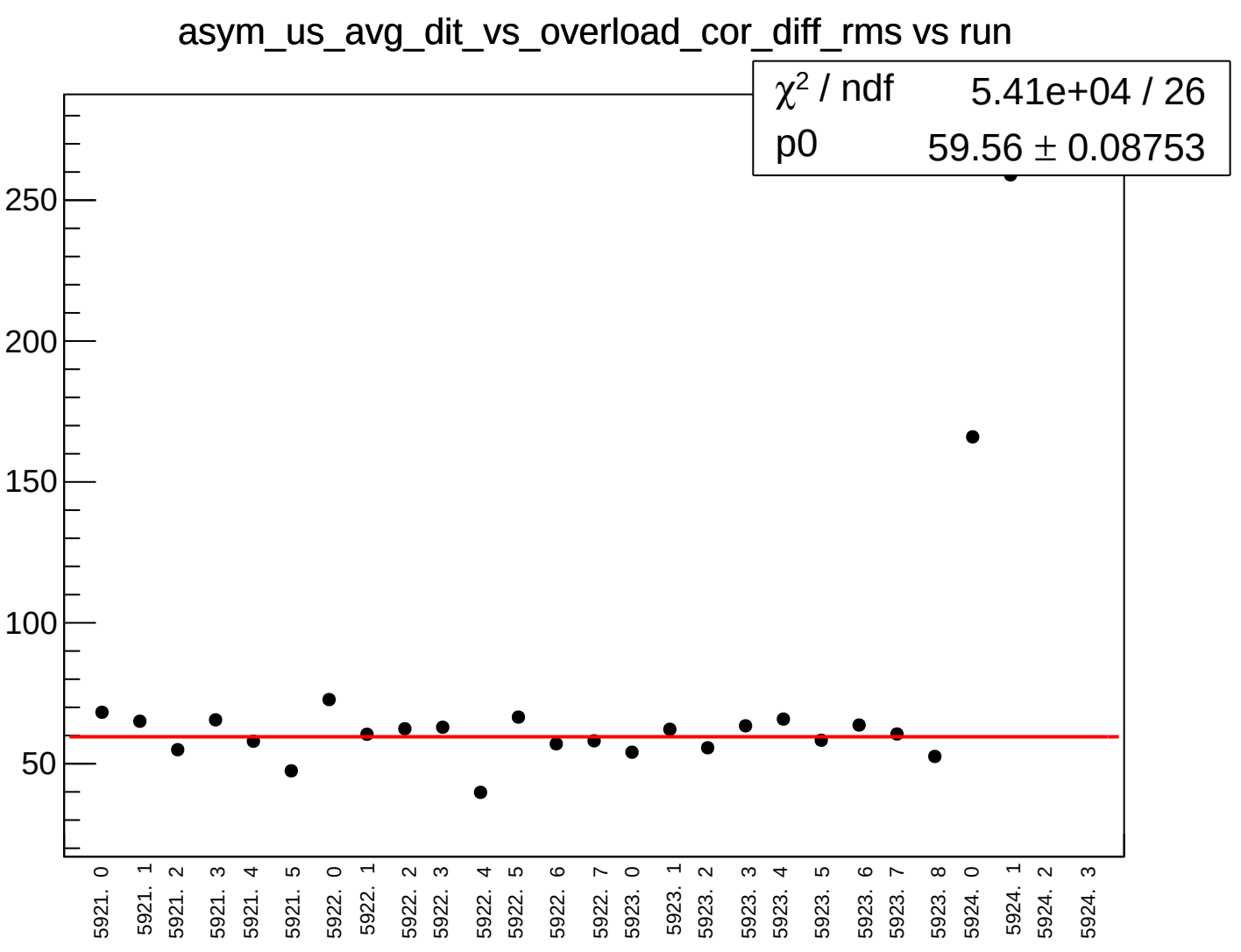

asym_us_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 27.52 / 26
p0 0.07757 ± 0.08371
6
5
4
3
2
1
0
−1
−2
−3
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 51.99
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.009828
Std Dev 1.01
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

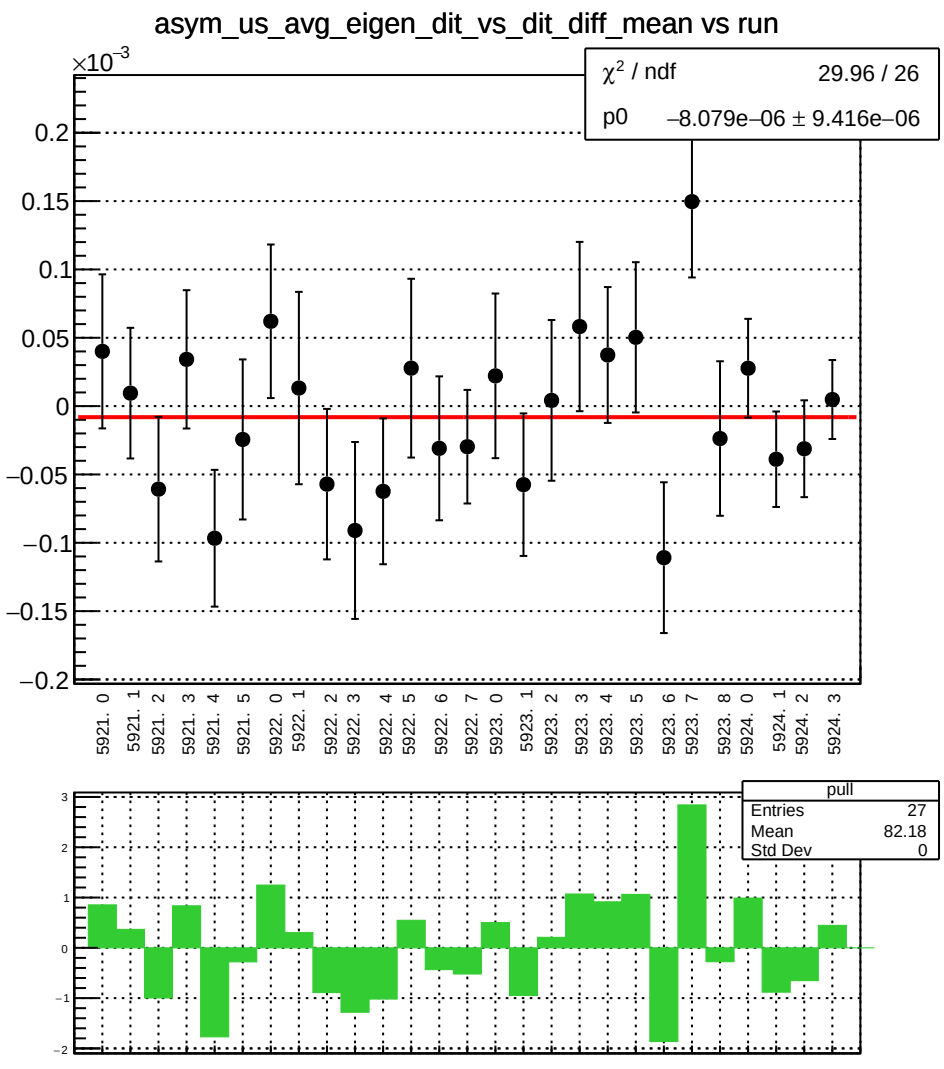

asym_us_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 7.494e+04 / 26
p0 39.36 ± 0.05919
250
200
150
100
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

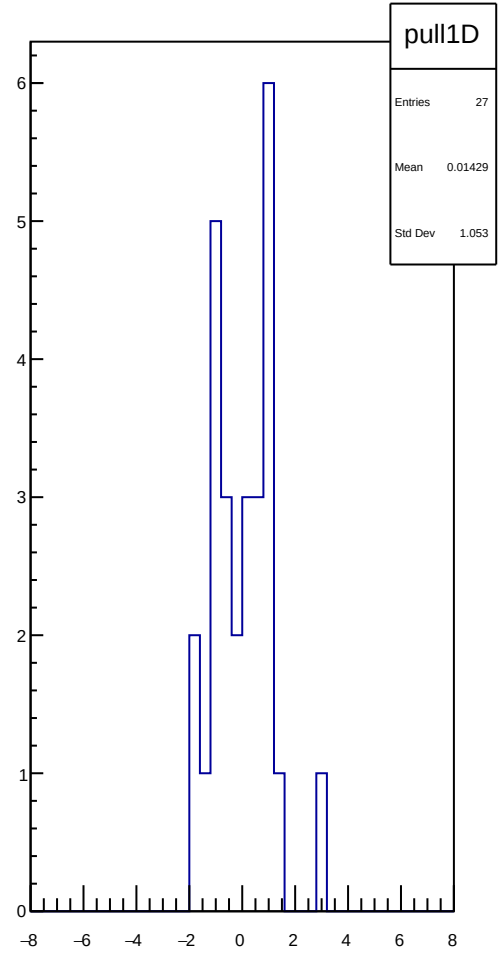

asym_us_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 27.52 / 26
p0 0.07757 ± 0.08371
6
5
4
3
2
1
0
−1
−2
−3
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 51.99
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.009828
Std Dev 1.01
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

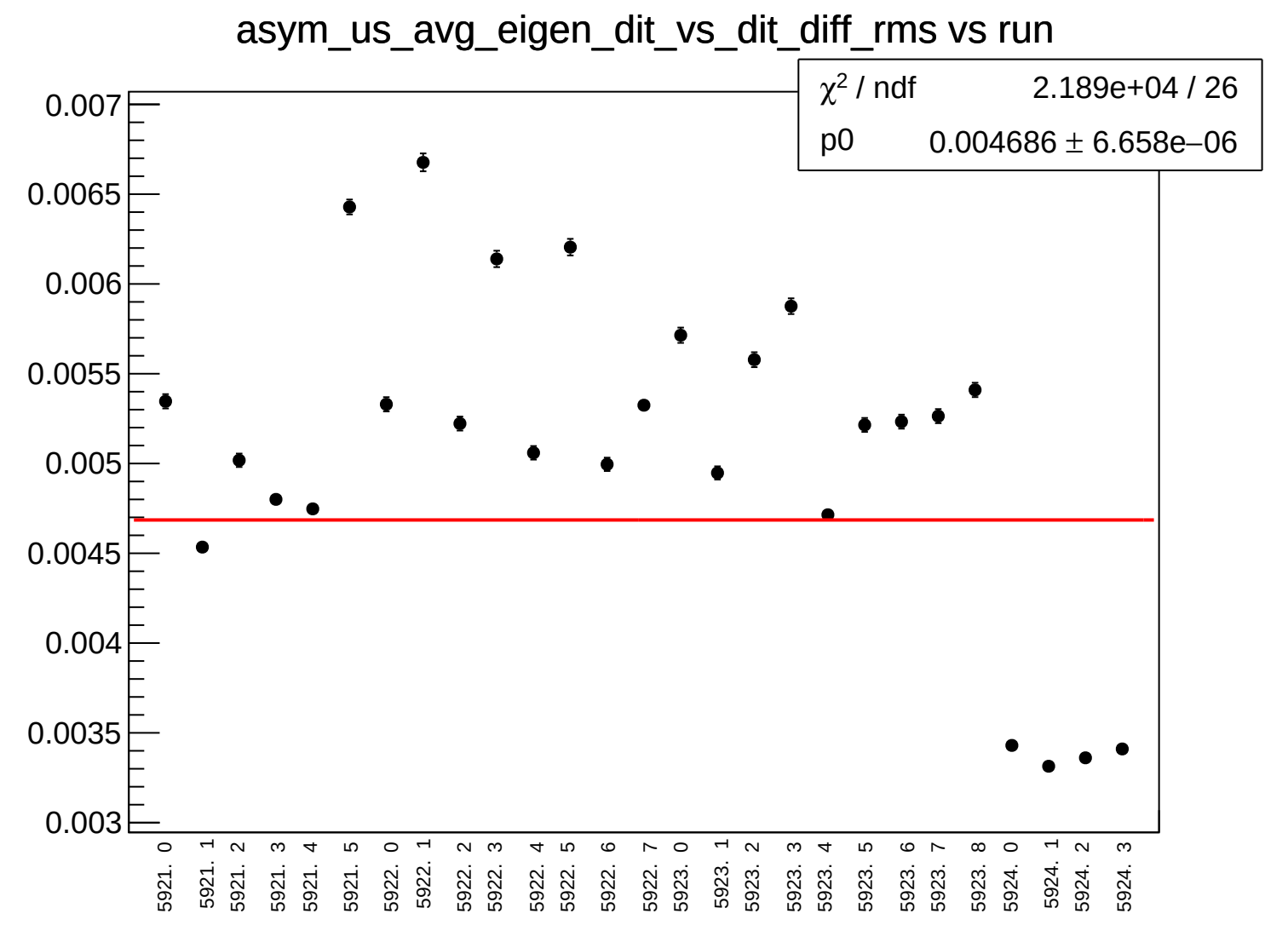

asym_us_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.494e+04 / 26
p0 39.36 ± 0.05919
250
200
150
100
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

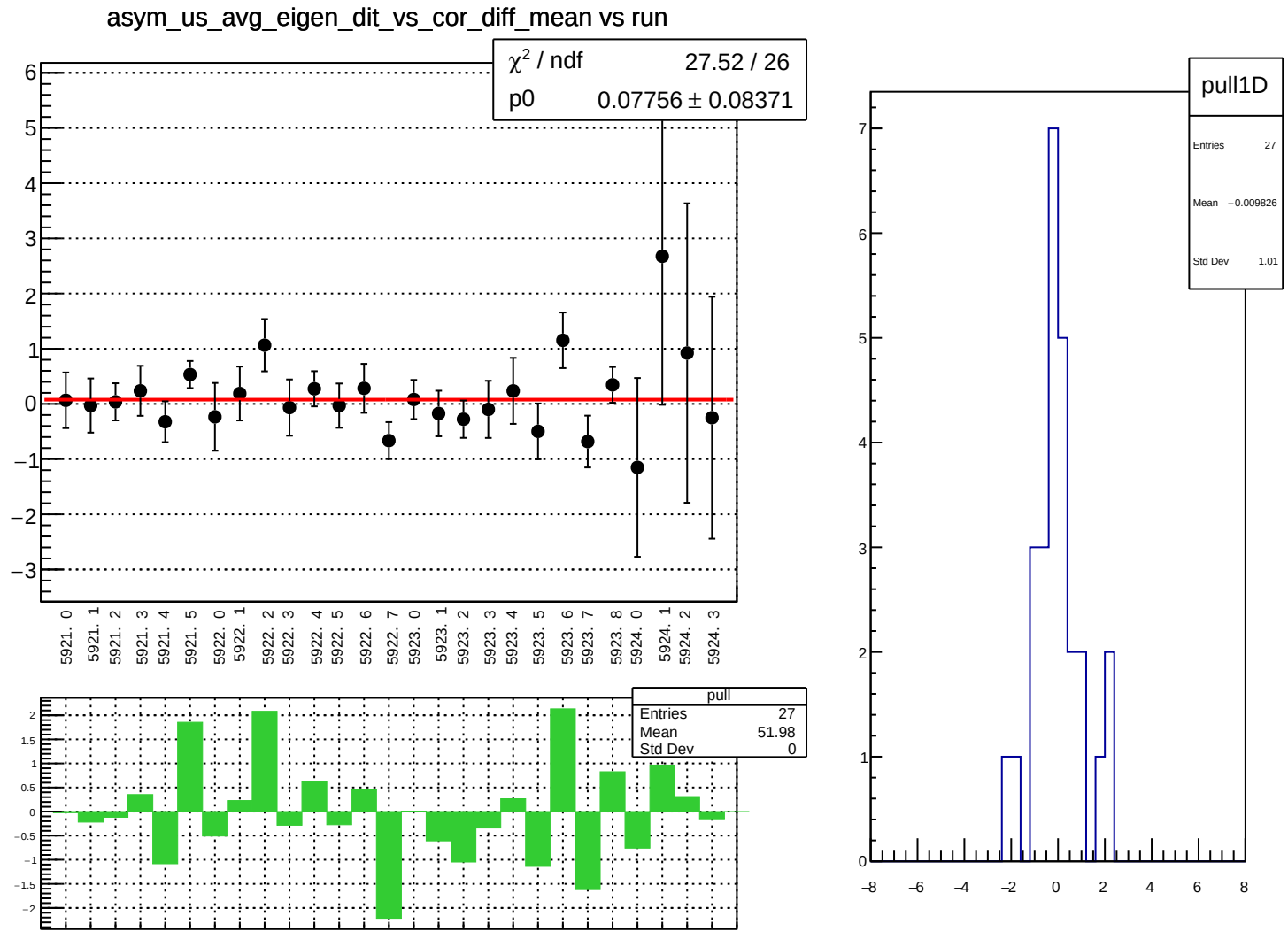

asym_us_avg_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 31.97 / 26
p0 0.0809 ± 0.1238
6
4
2
0
−2
−4
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 70.08
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 27
Mean −0.01224
Std Dev 1.088
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

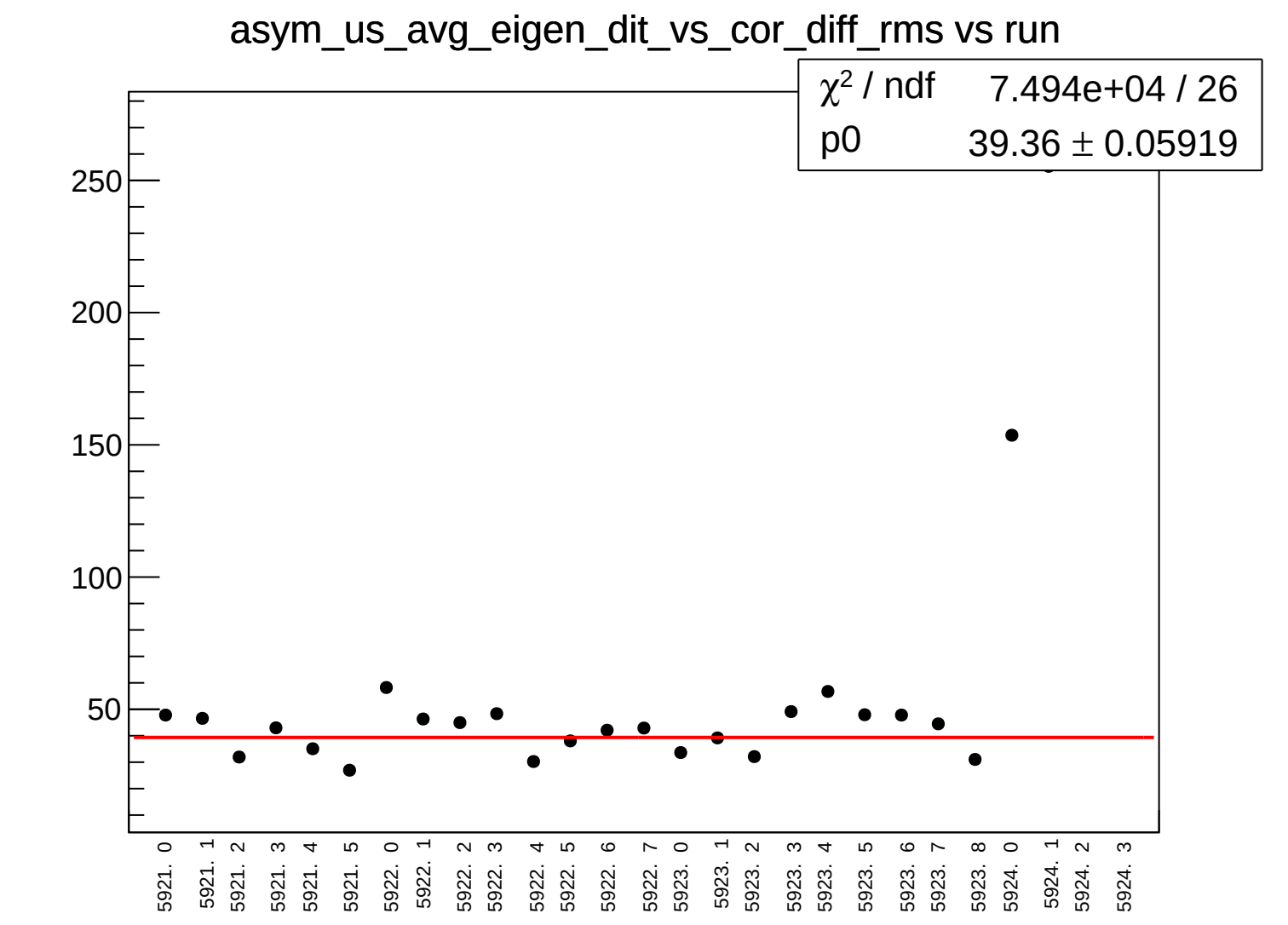

asym_us_avg_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 5.41e+04 / 26
p0 59.56 ± 0.08753
250
200
150
100
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

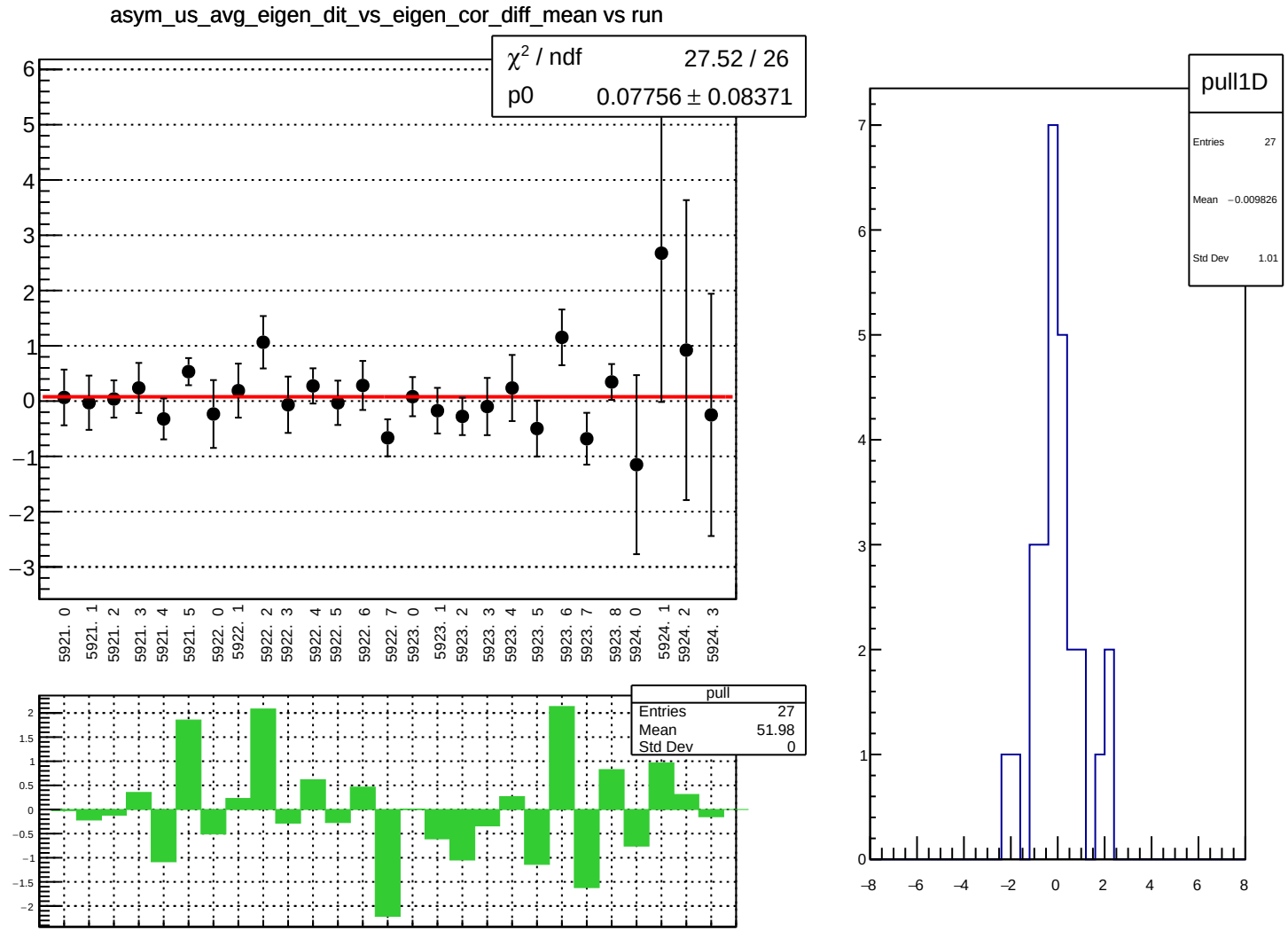

asym_us_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 29.96 / 26
p0 −8.079e−06 ± 9.416e−06
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 82.18
Std Dev 0
3
2
1
0
−1
−2

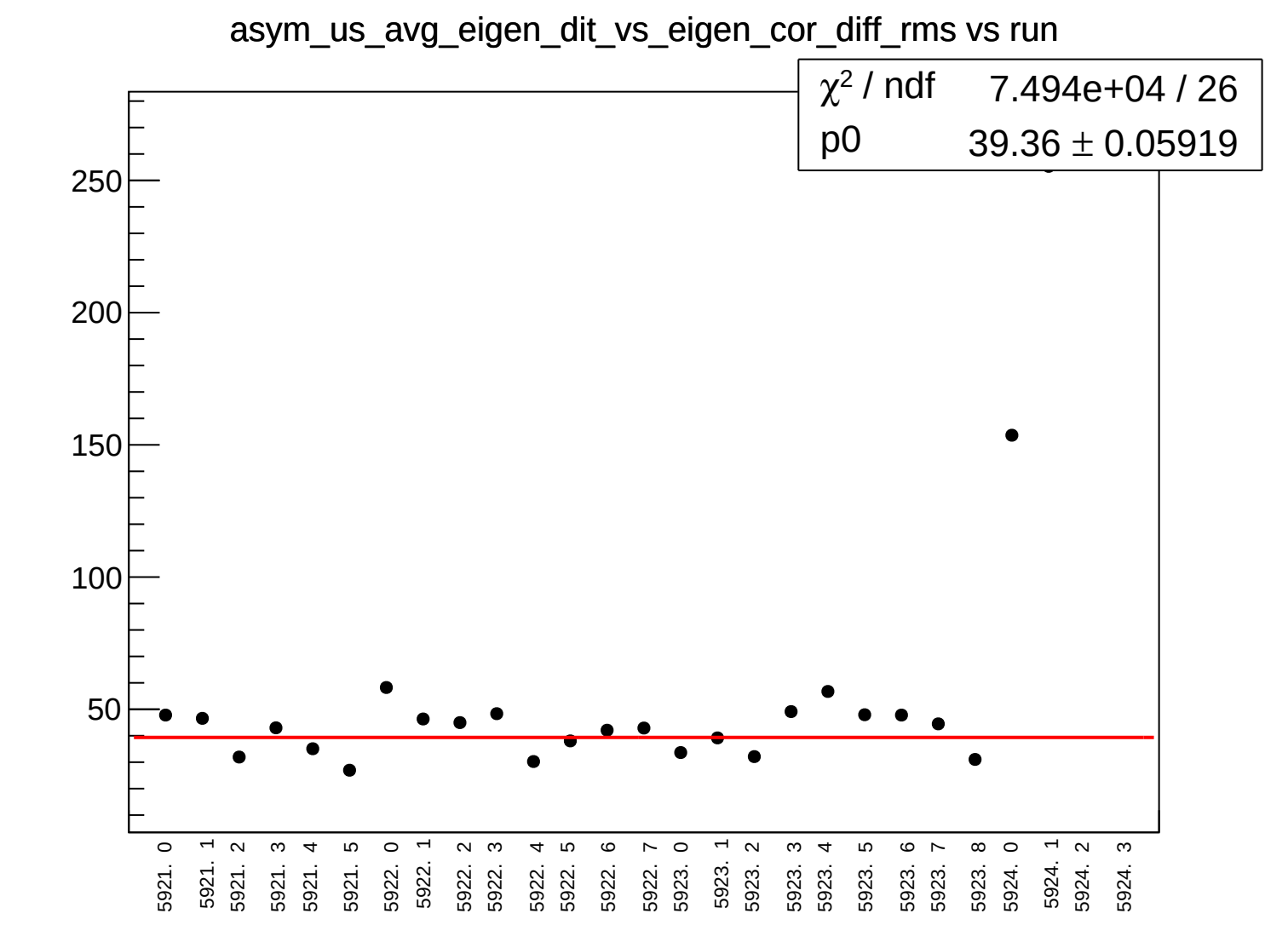

pull1D
Entries 27
Mean 0.01429
Std Dev 1.053
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

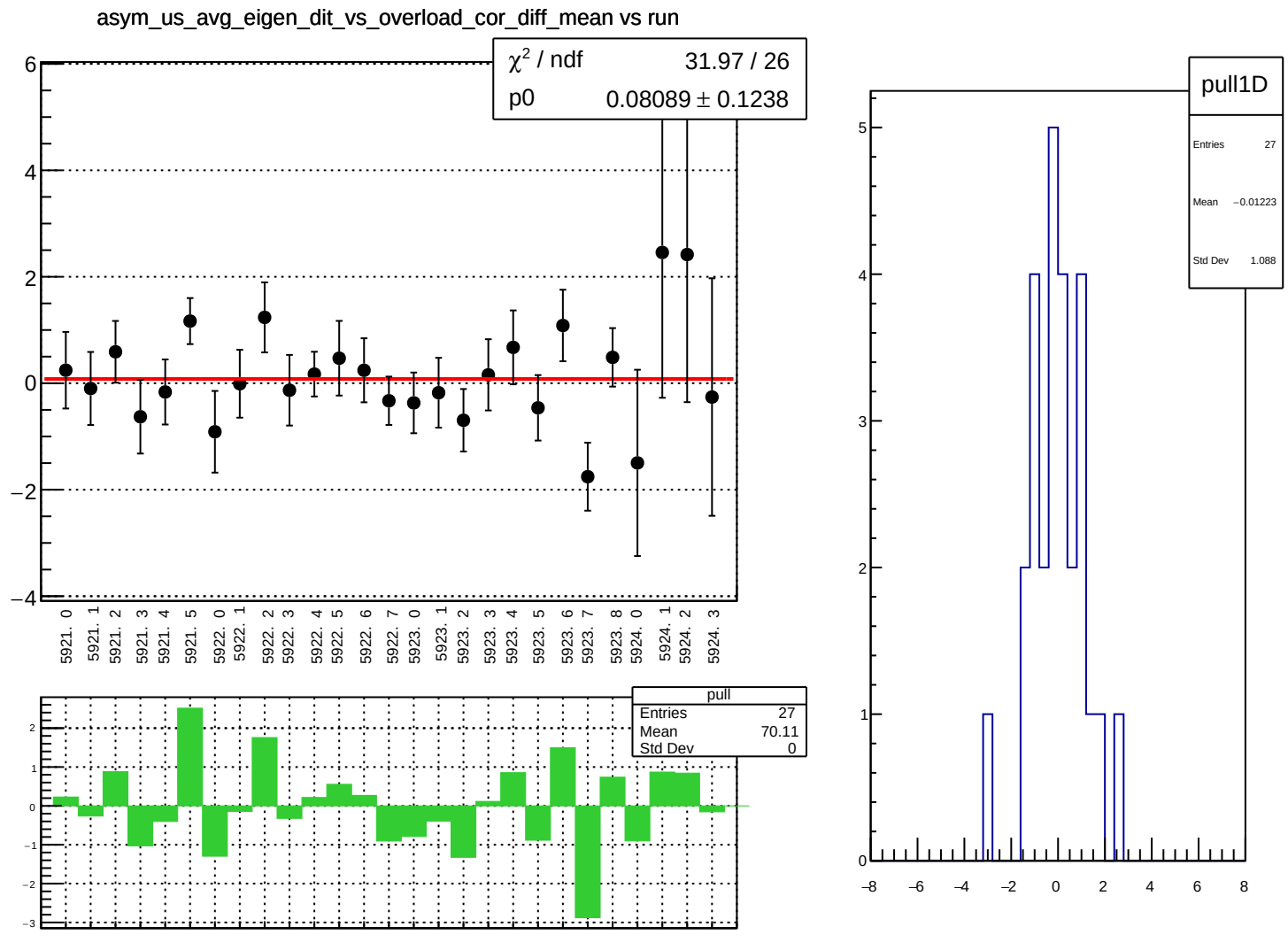

asym_us_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.189e+04 / 26
p0 0.004686 ± 6.658e−06
0.007
0.0065
0.006
0.0055
0.005
0.0045
0.004
0.0035
0.003
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

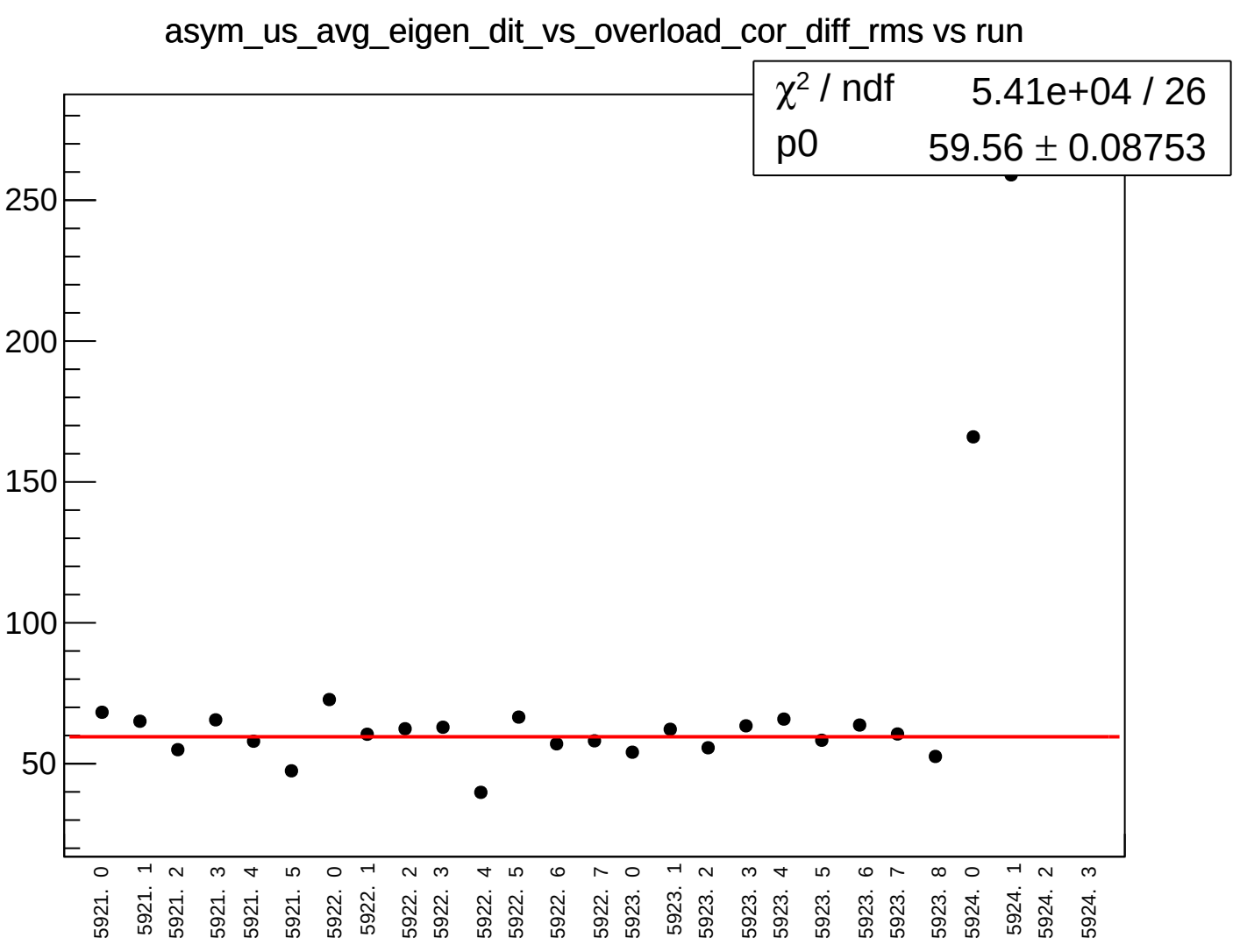

asym_us_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 27.52 / 26
p0 0.07756 ± 0.08371
6
5
4
3
2
1
0
−1
−2
−3
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 51.98
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.009826
Std Dev 1.01
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

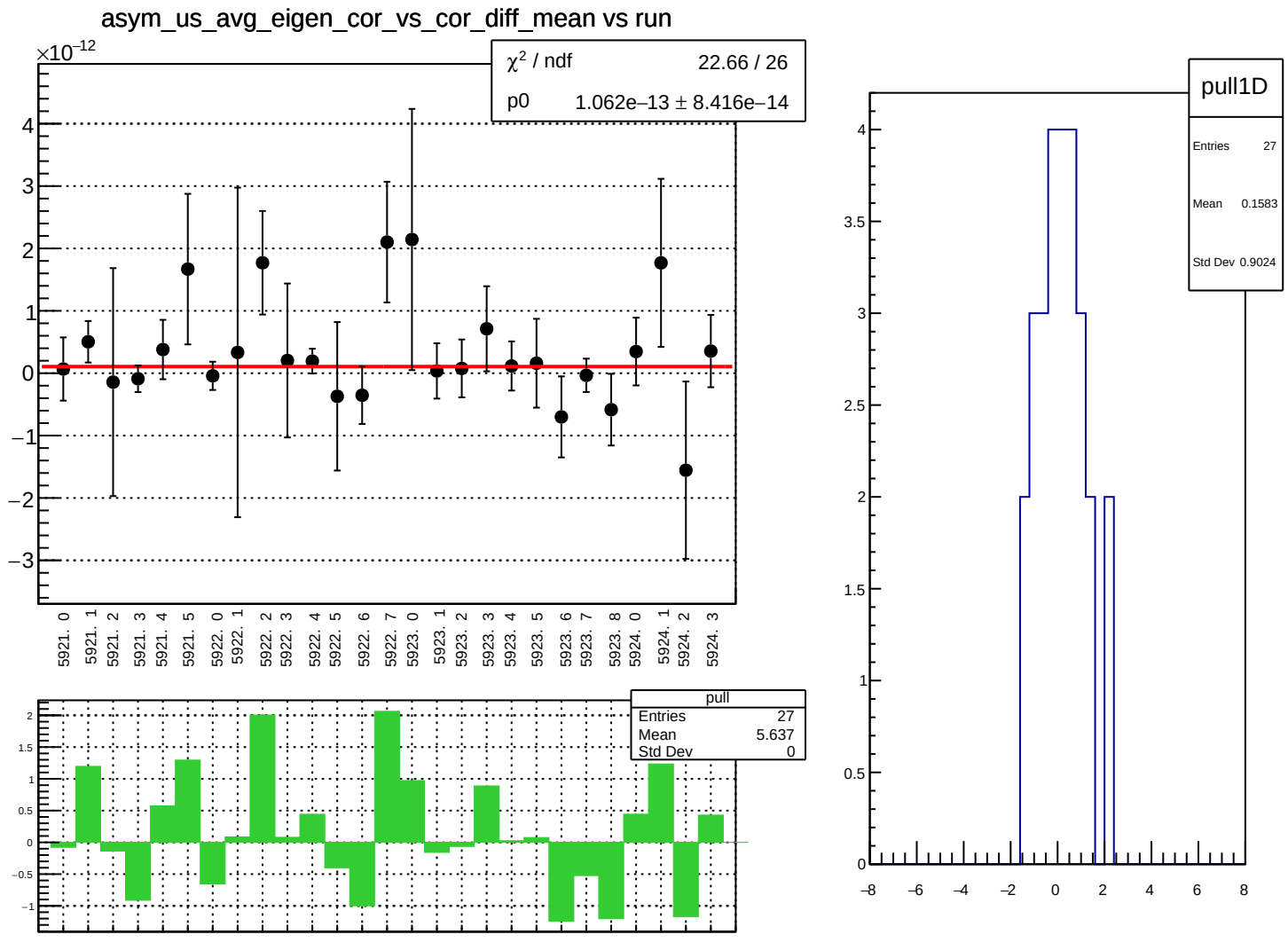

asym_us_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.494e+04 / 26
p0 39.36 ± 0.05919
250
200
150
100
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

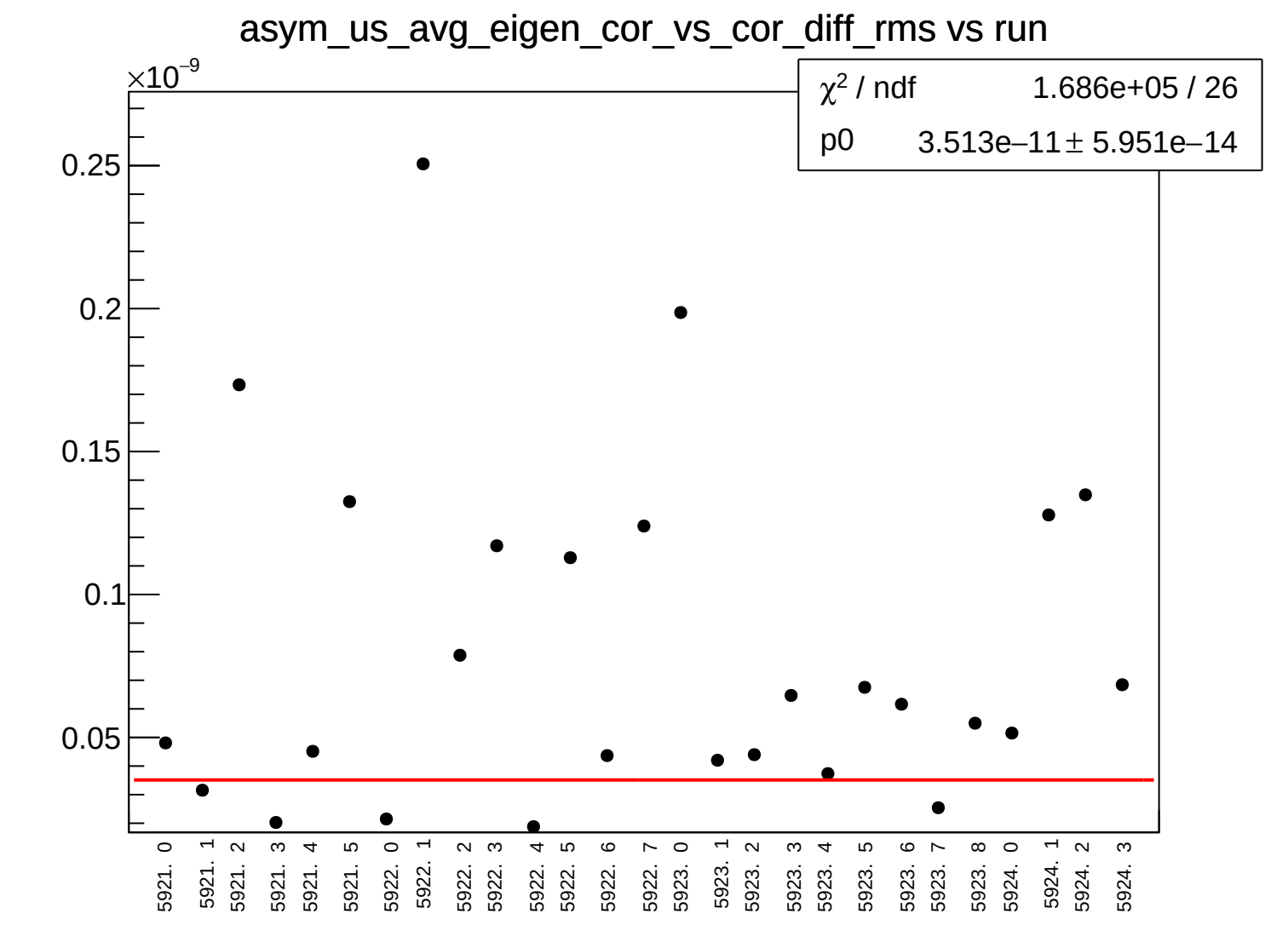

asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 27.52 / 26
p0 0.07756 ± 0.08371
6
5
4
3
2
1
0
−1
−2
−3
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 51.98
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.009826
Std Dev 1.01
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

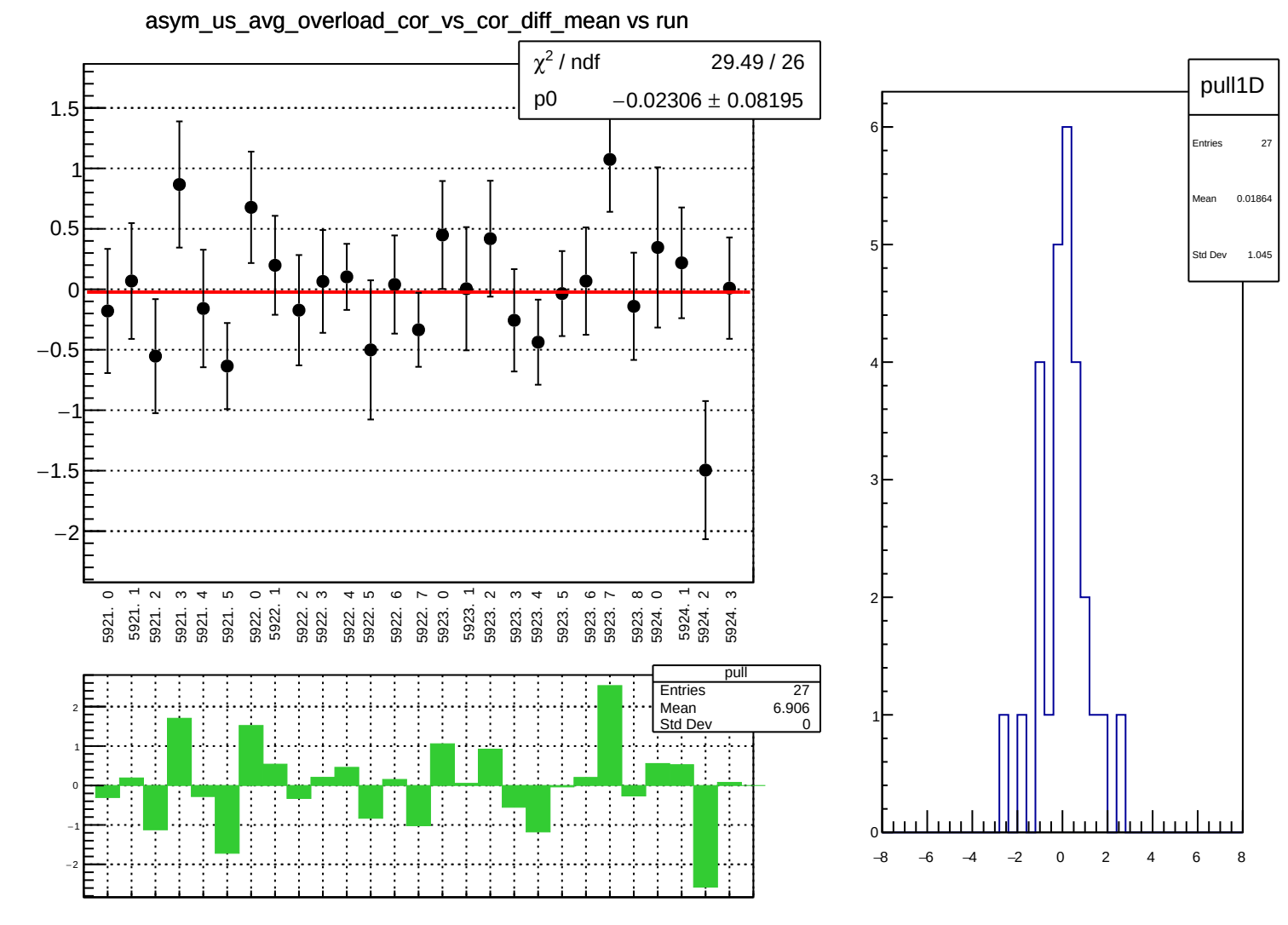

asym_us_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.494e+04 / 26
p0 39.36 ± 0.05919
250
200
150
100
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

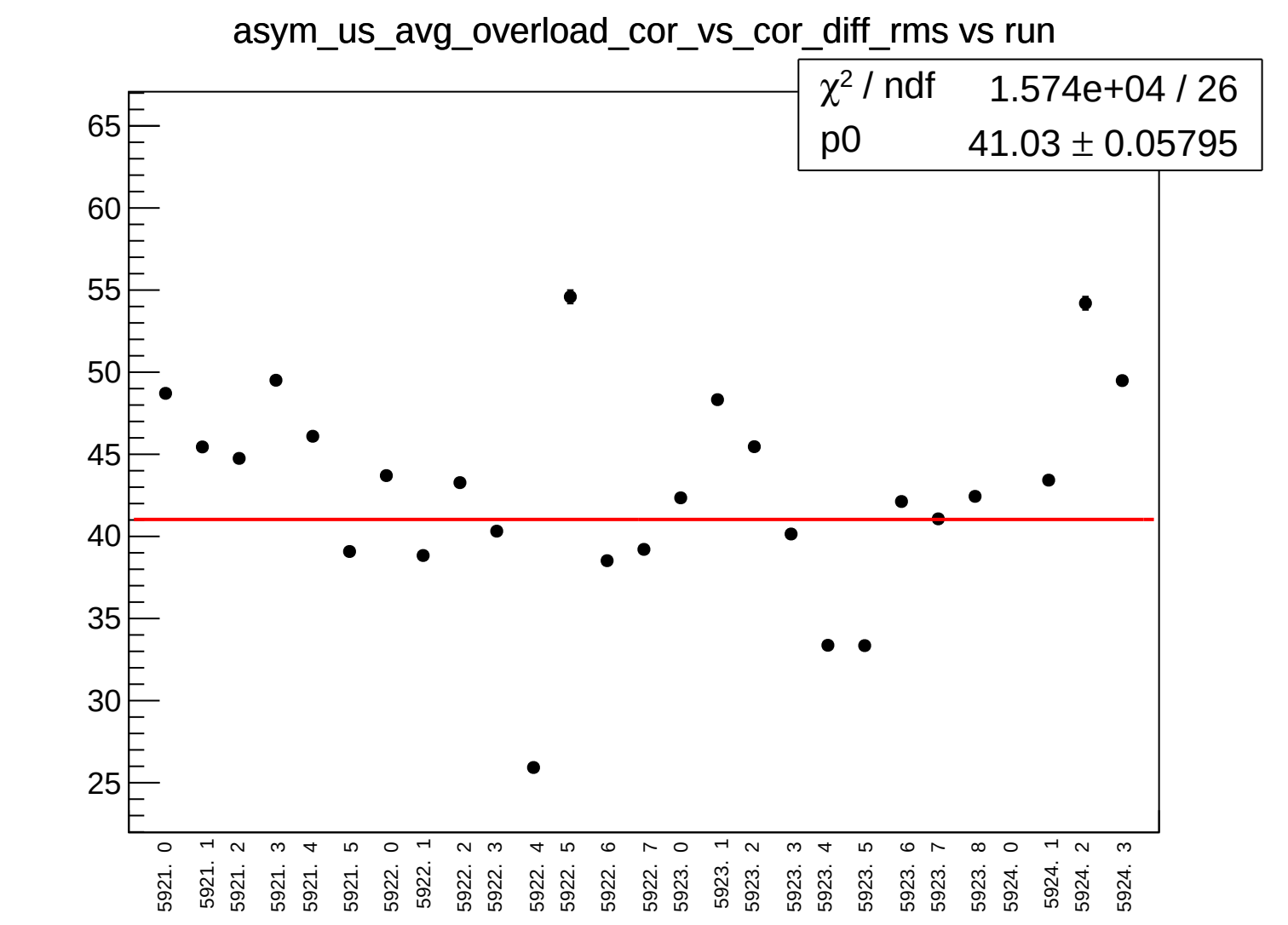

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 31.97 / 26
p0 0.08089 ± 0.1238
pull
Entries 27
Mean 70.11
Std Dev 0
pull1D
Entries 27
Mean −0.01223
Std Dev 1.088

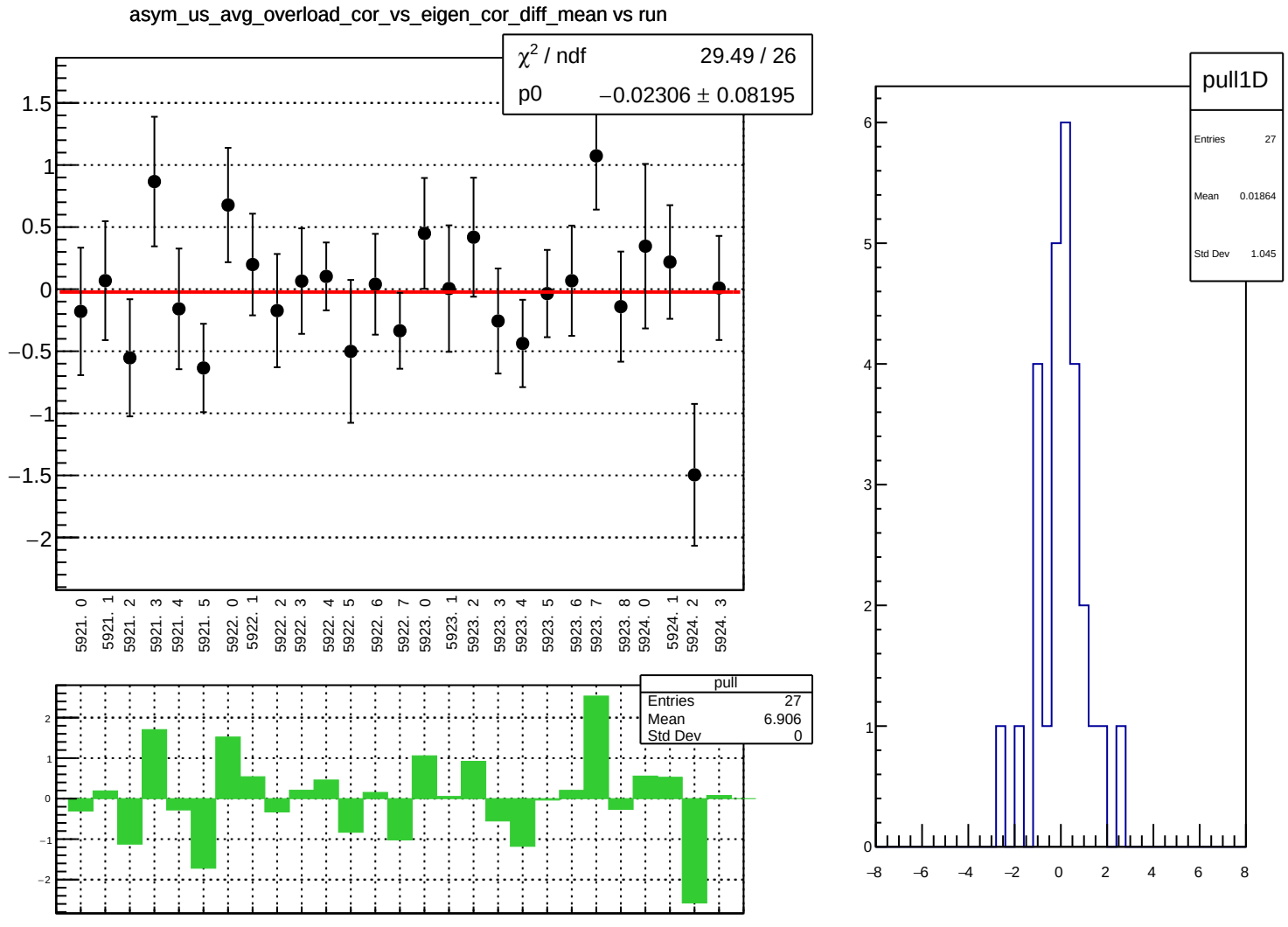

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 5.41e+04 / 26
p0 59.56 ± 0.08753
250
200
150
100
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

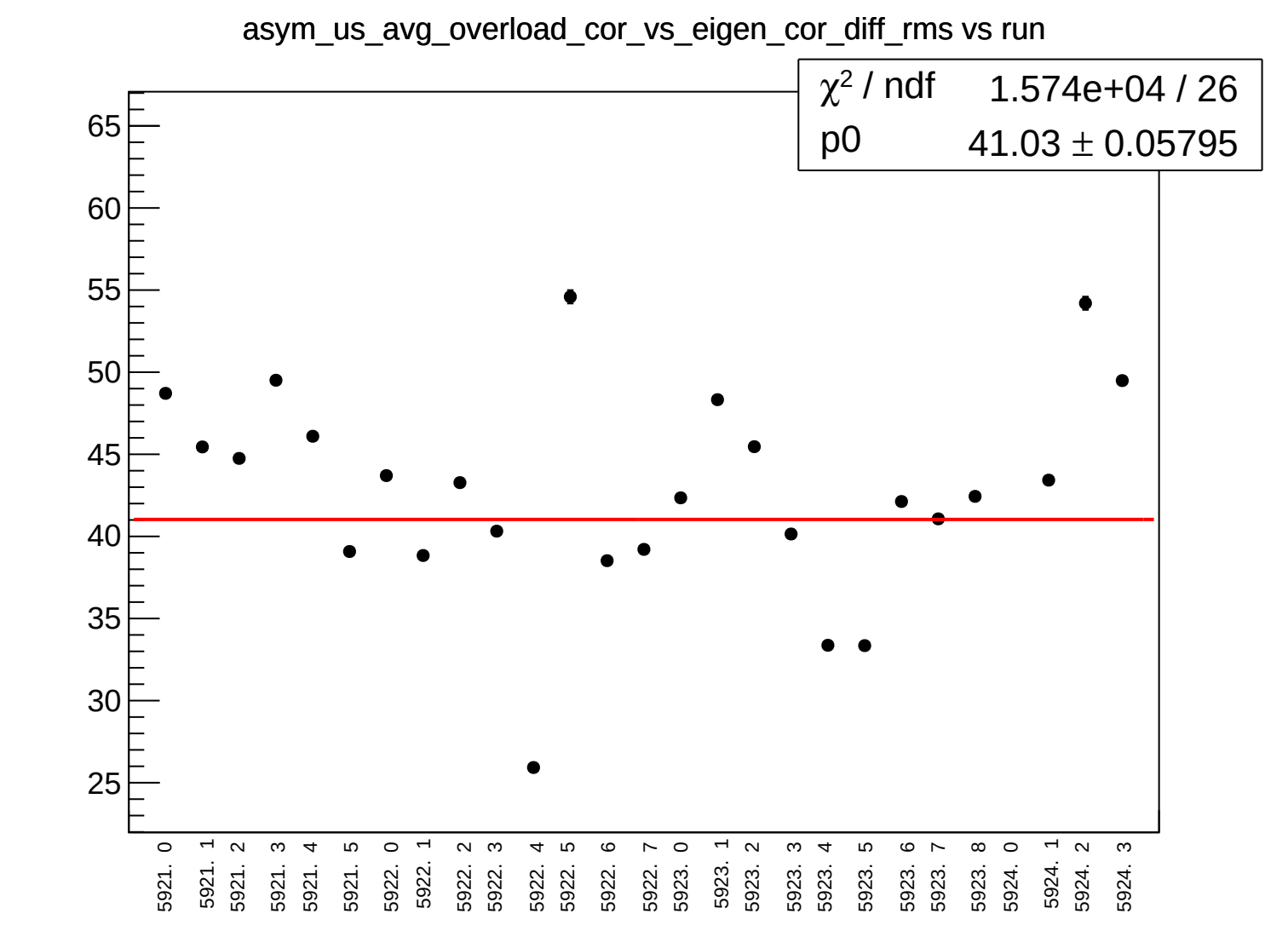

asym_us_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 22.66 / 26
p0 1.062e−13 ± 8.416e−14
4
3
2
1
0
−1
−2
−3
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 5.637
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 27
Mean 0.1583
Std Dev 0.9024
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

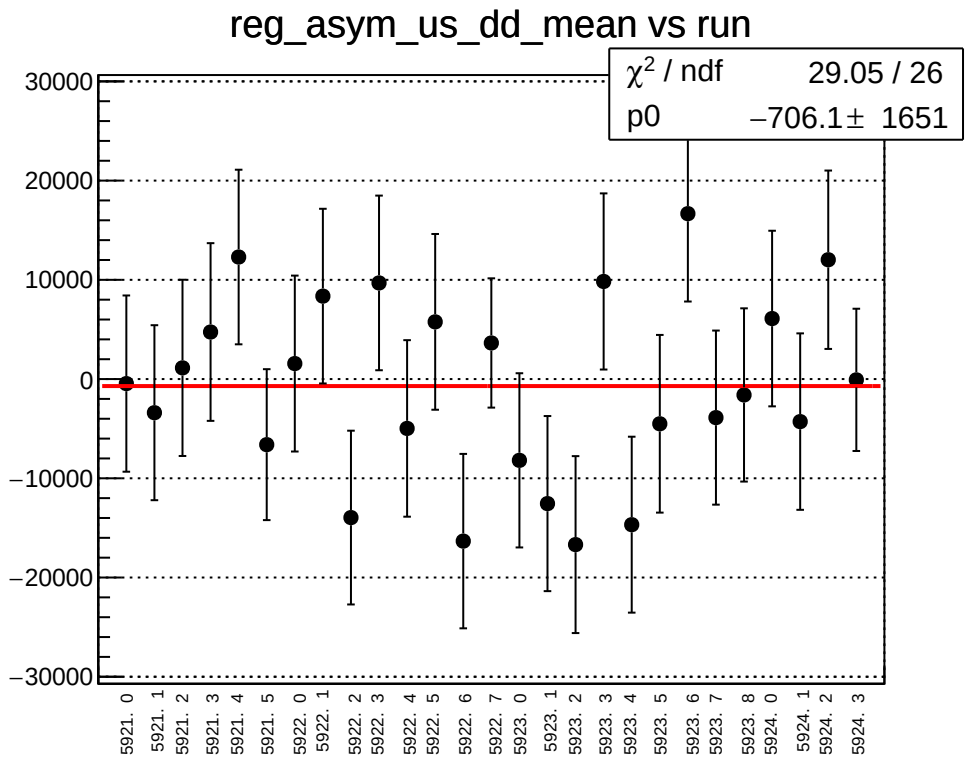

asym_us_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.686e+05 / 26
p0 3.513e−11 ± 5.951e−14
0.25
0.2
0.15
0.1
0.05
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

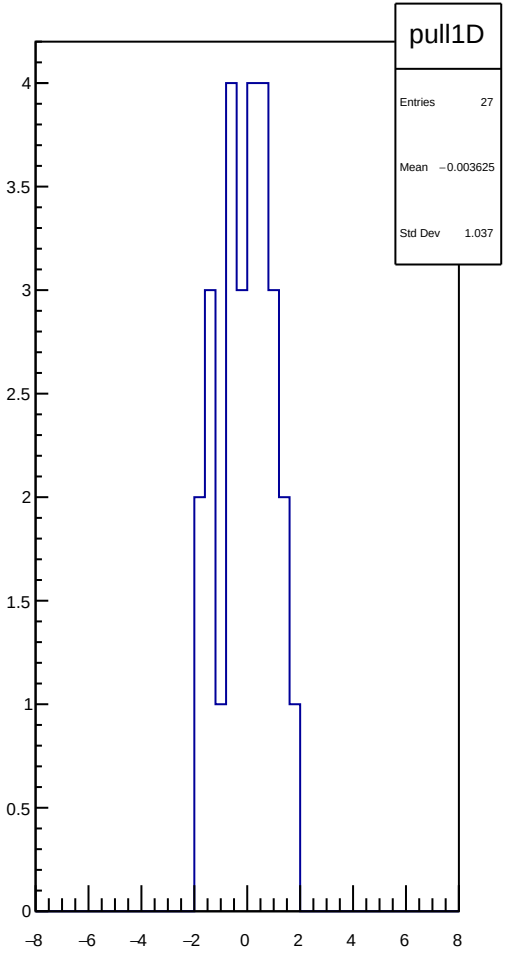

asym_us_avg_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 29.49 / 26
p0 −0.02306 ± 0.08195
1.5
1
0.5
0
−0.5
−1
−1.5
−2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 6.906
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.01864
Std Dev 1.045
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

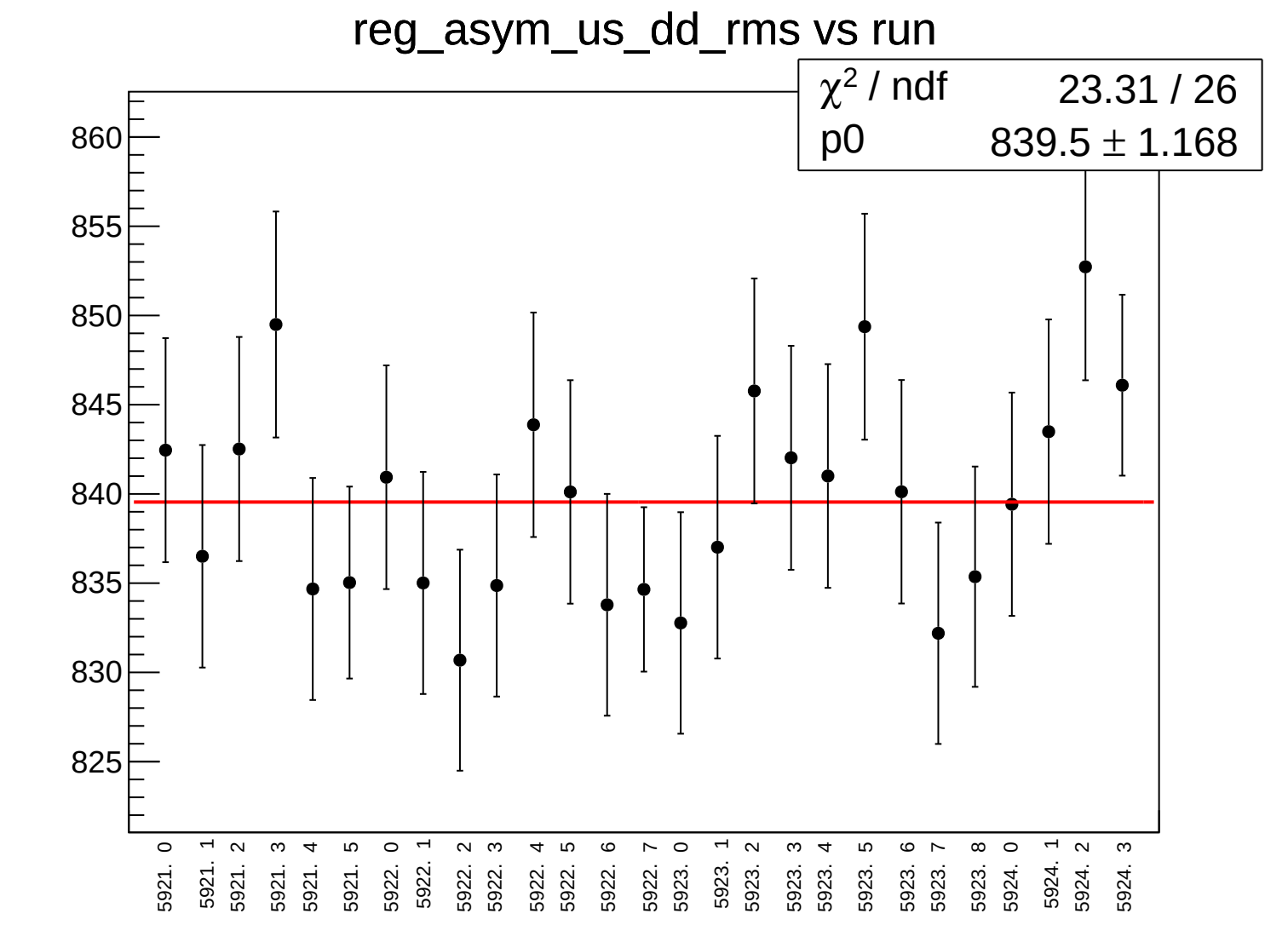

asym_us_avg_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 1.574e+04 / 26
p0 41.03 ± 0.05795
65
60
55
50
45
40
35
30
25
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

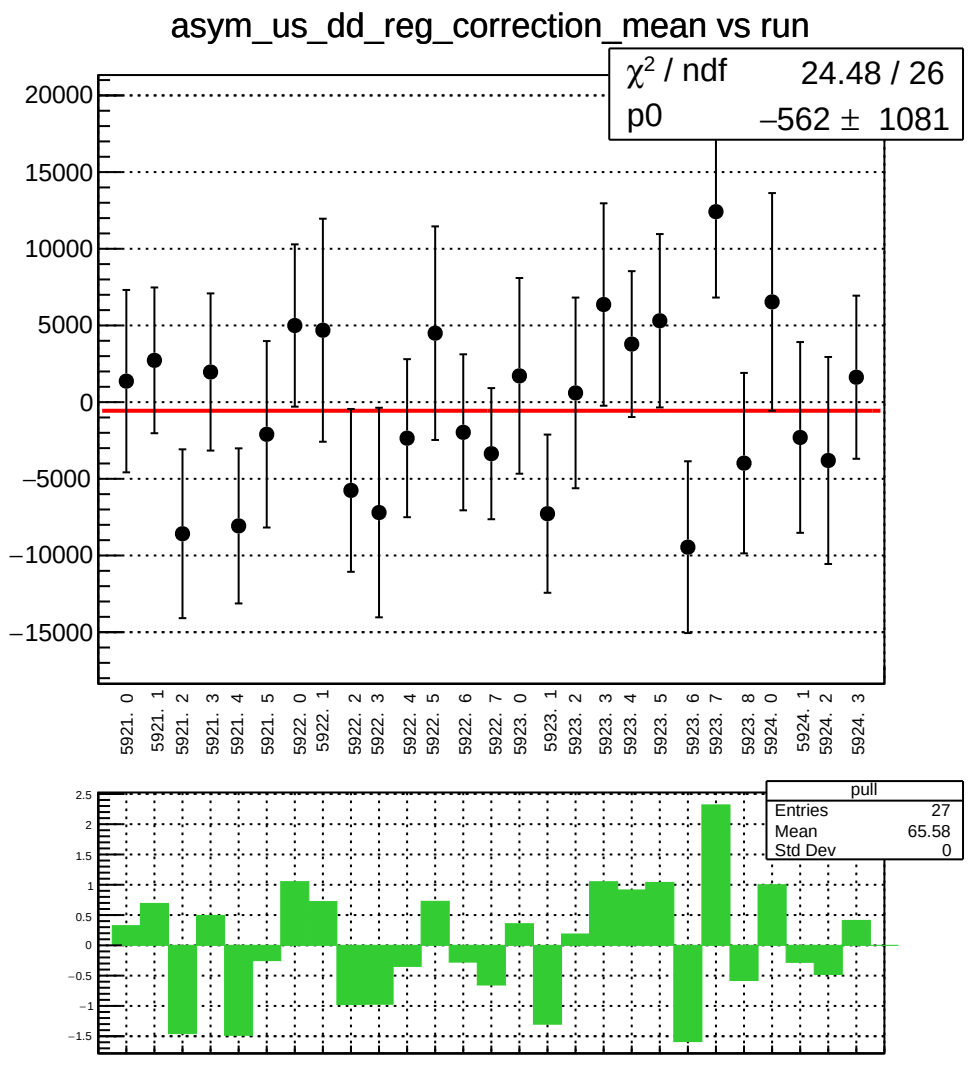

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 29.49 / 26
p0 −0.02306 ± 0.08195
1.5
1
0.5
0
−0.5
−1
−1.5
−2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 6.906
Std Dev 0
pull1D
Entries 27
Mean 0.01864
Std Dev 1.045
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

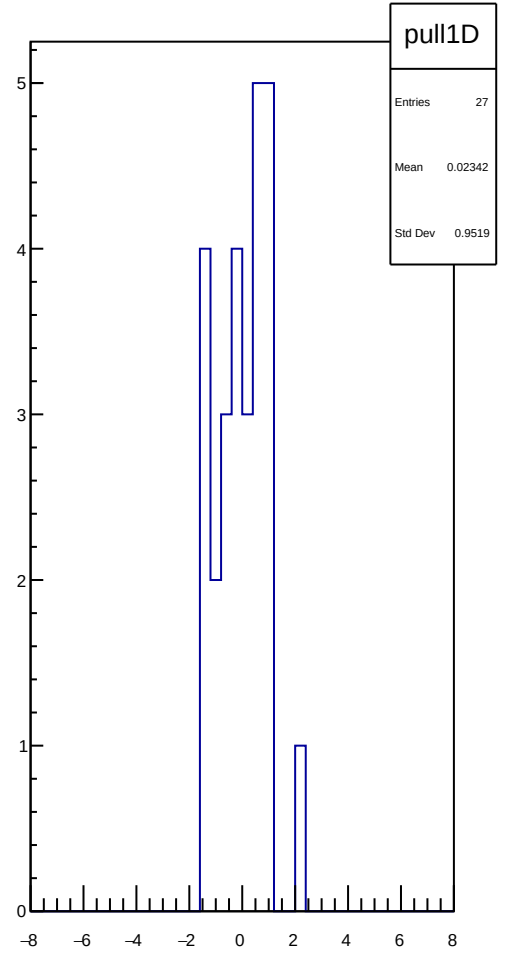

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.574e+04 / 26
p0 41.03 ± 0.05795
65
60
55
50
45
40
35
30
25
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

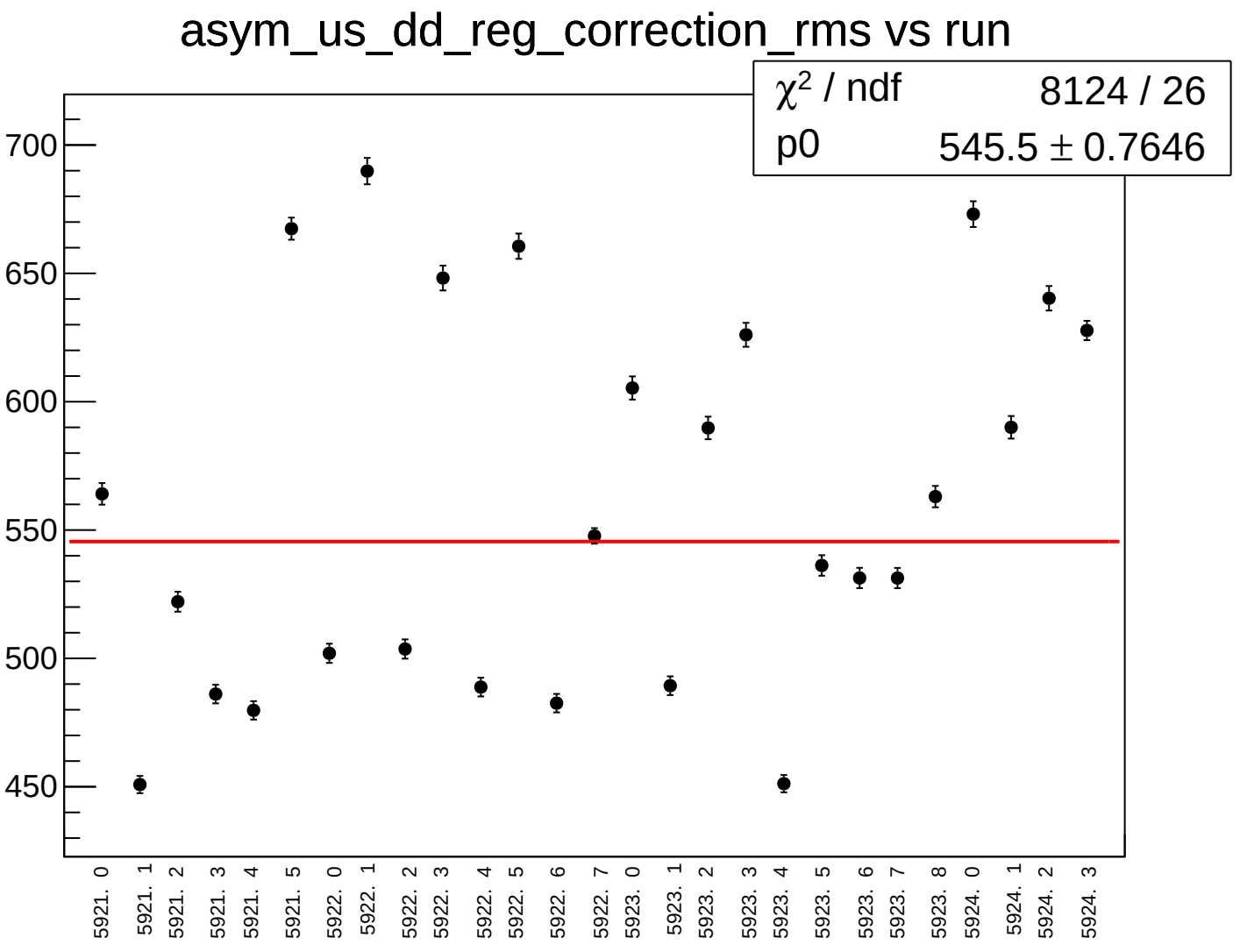

reg_asym_us_dd_mean vs run
χ² / ndf 29.05 / 26
p0 −706.1± 1651
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 1.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

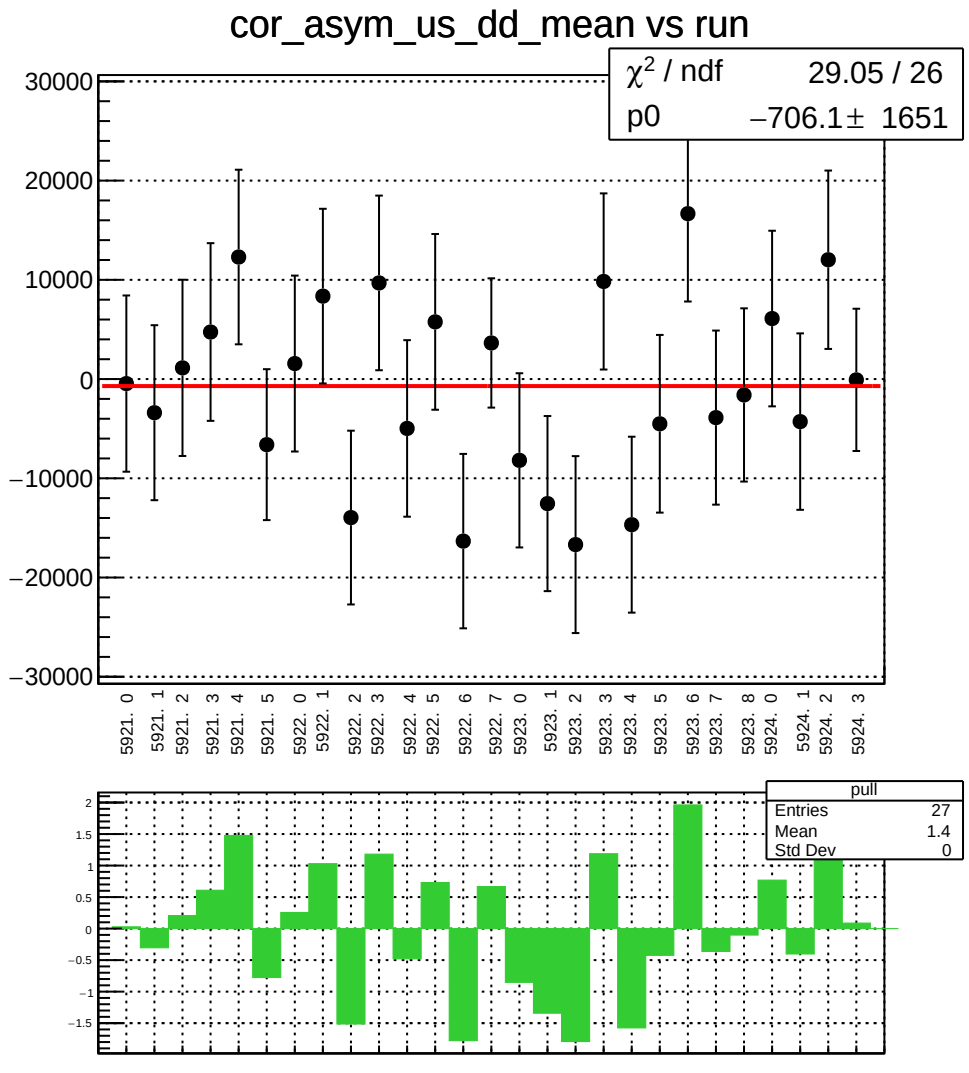

pull1D
Entries 27
Mean −0.003625
Std Dev 1.037
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

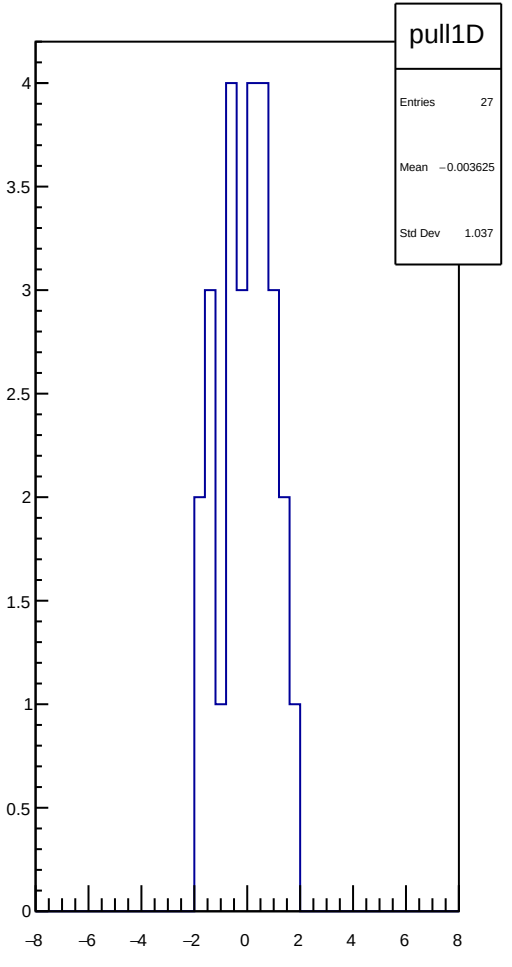

reg_asym_us_dd_rms vs run
χ² / ndf 23.31 / 26
p0 839.5 ± 1.168
860
855
850
845
840
835
830
825
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

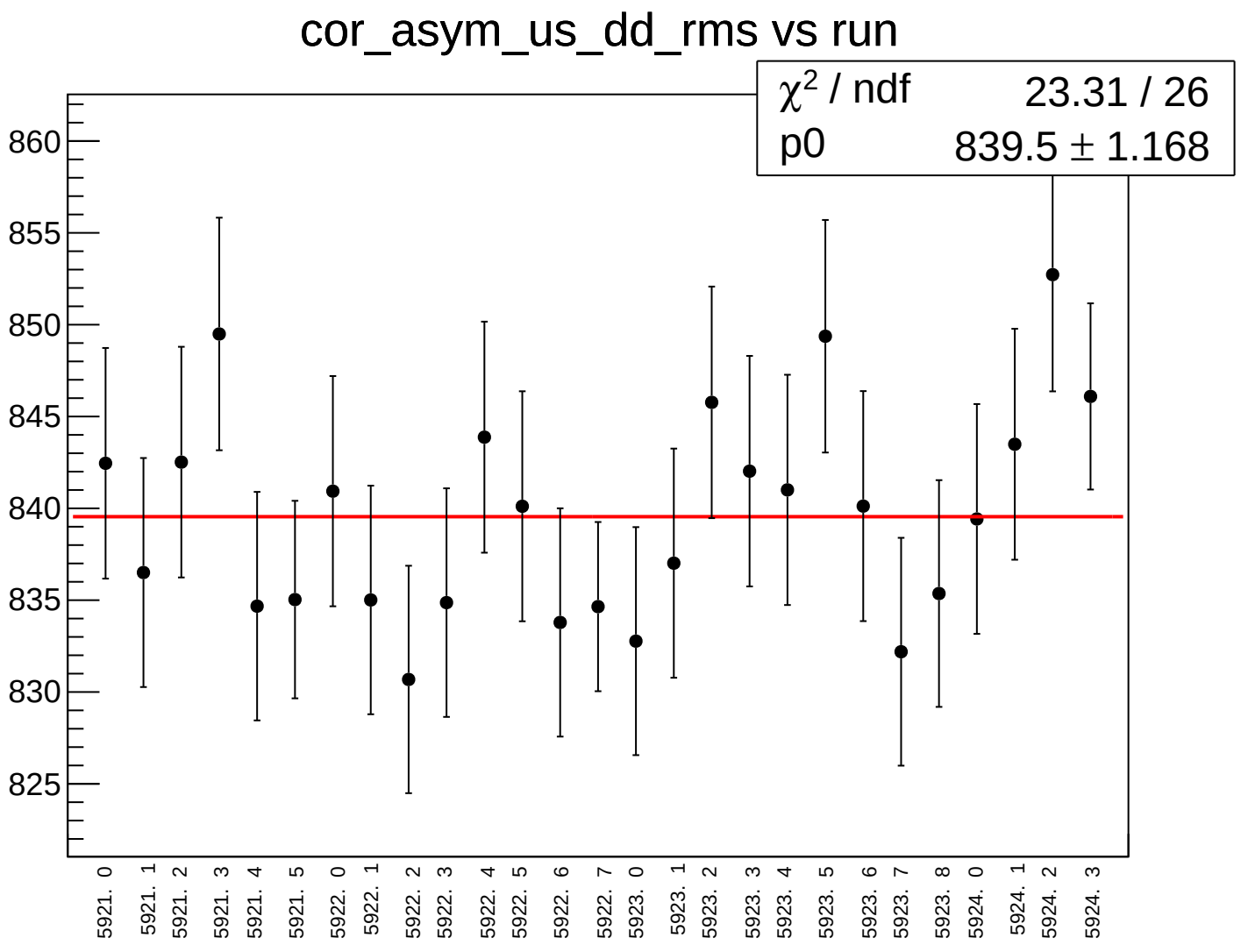

asym_us_dd_reg_correction_mean vs run
χ² / ndf 24.48 / 26
p0 −562 ± 1081
20000
15000
10000
5000
0
−5000
−10000
−15000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 65.58
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

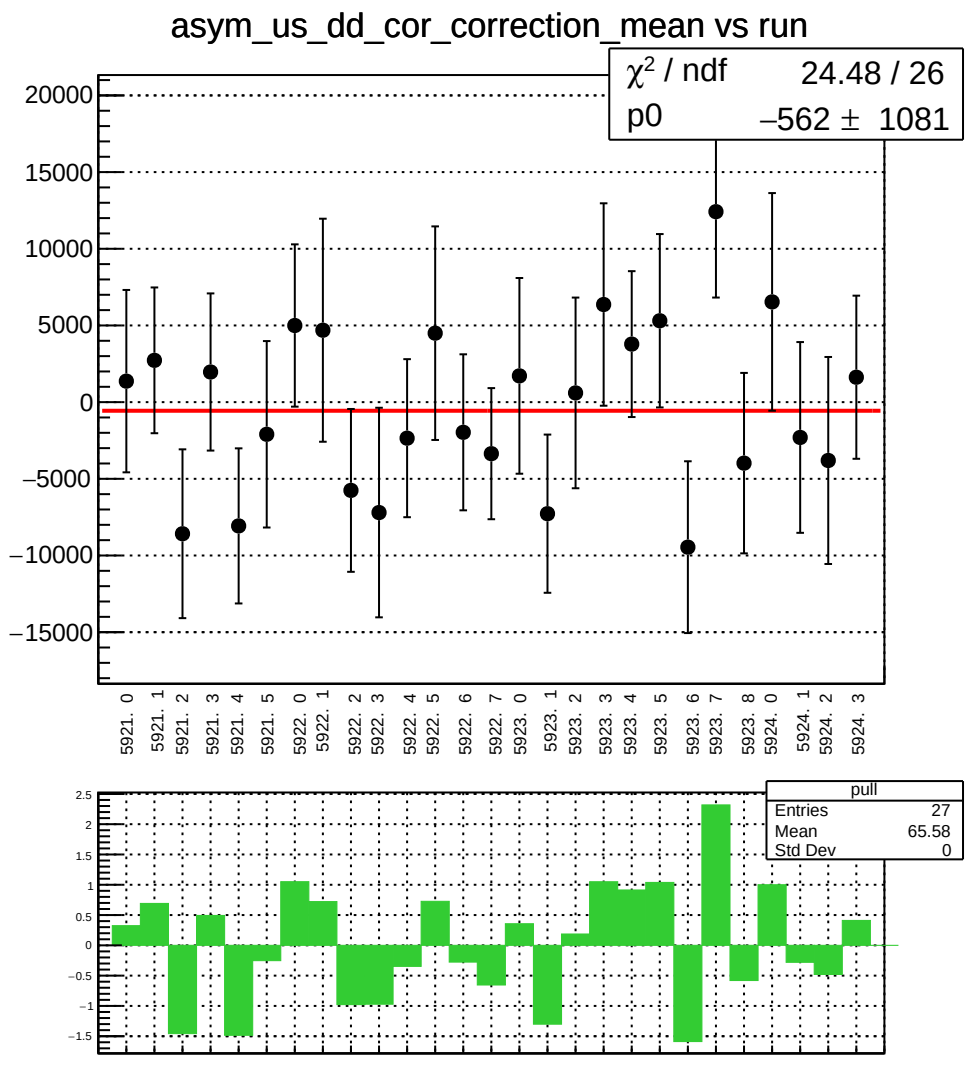

pull1D
Entries 27
Mean 0.02342
Std Dev 0.9519
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

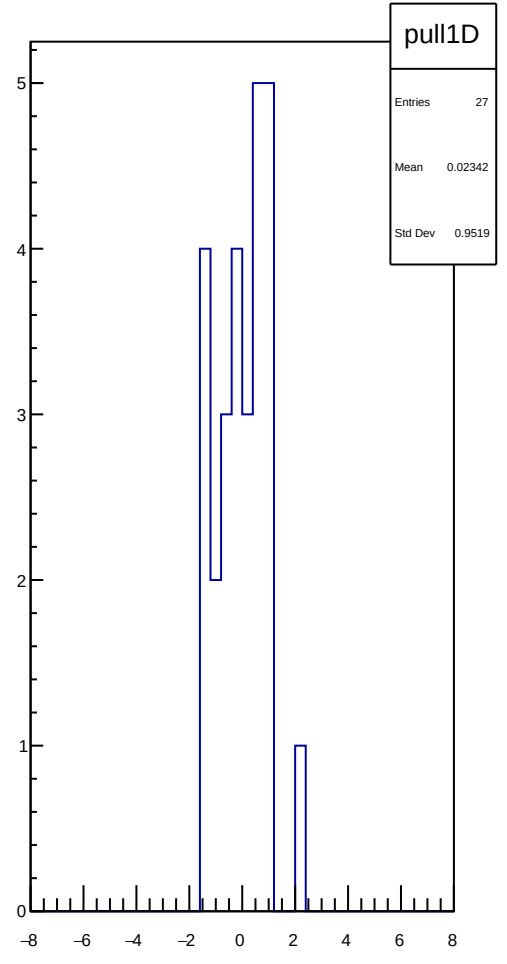

asym_us_dd_reg_correction_rms vs run
χ² / ndf 8124 / 26
p0 545.5 ± 0.7646
700
650
600
550
500
450
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

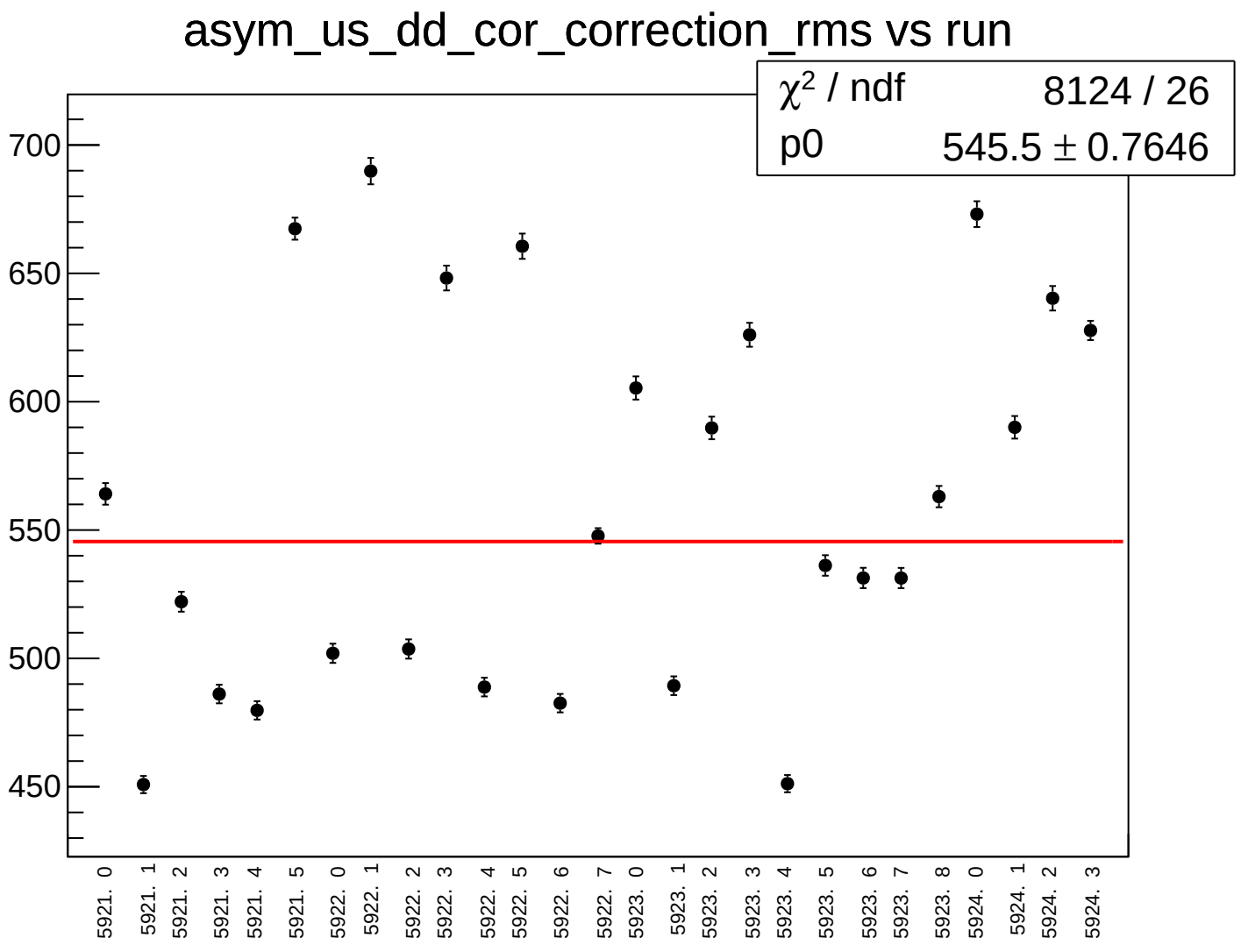

cor_asym_us_dd_mean vs run
χ² / ndf 29.05 / 26
p0 −706.1± 1651
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 1.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

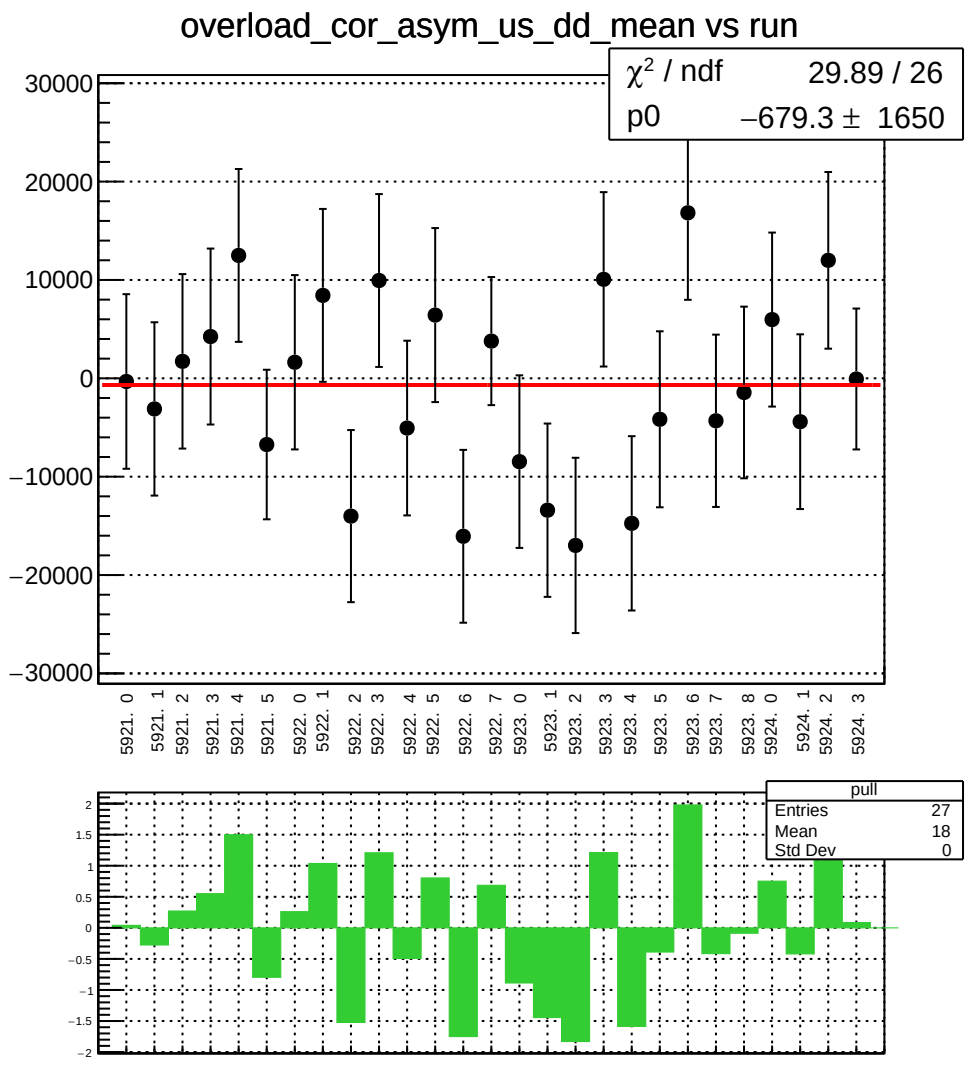

pull1D
Entries 27
Mean −0.003625
Std Dev 1.037
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

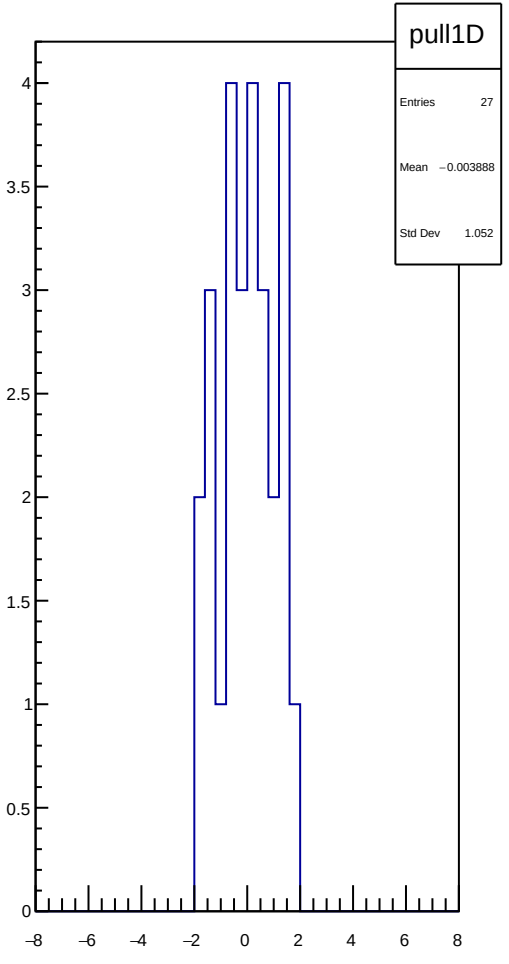

cor_asym_us_dd_rms vs run
χ² / ndf 23.31 / 26
p0 839.5 ± 1.168
860
855
850
845
840
835
830
825
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

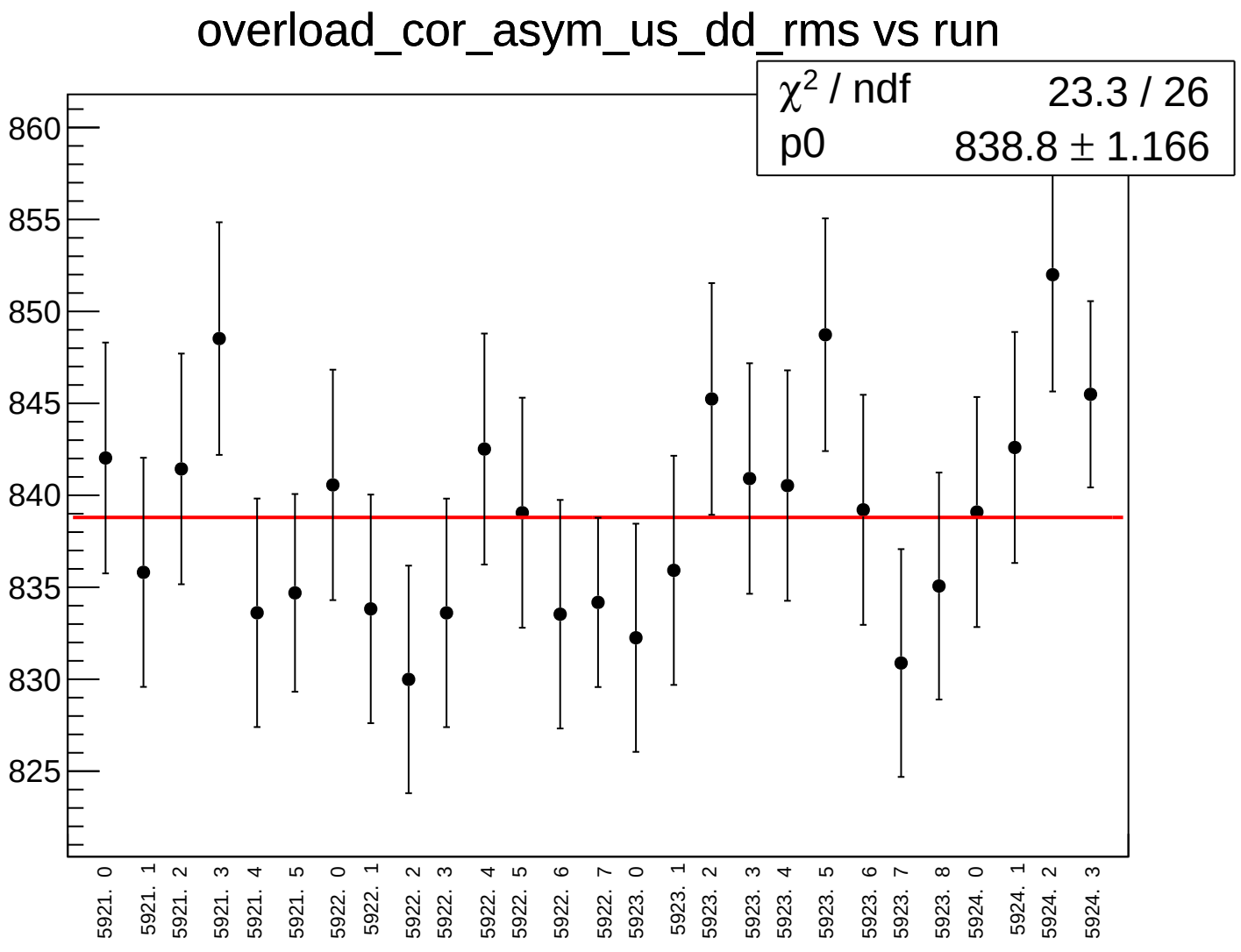

asym_us_dd_cor_correction_mean vs run
χ² / ndf 24.48 / 26
p0 −562 ± 1081
20000
15000
10000
5000
0
−5000
−10000
−15000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 65.58
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 27
Mean 0.02342
Std Dev 0.9519
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

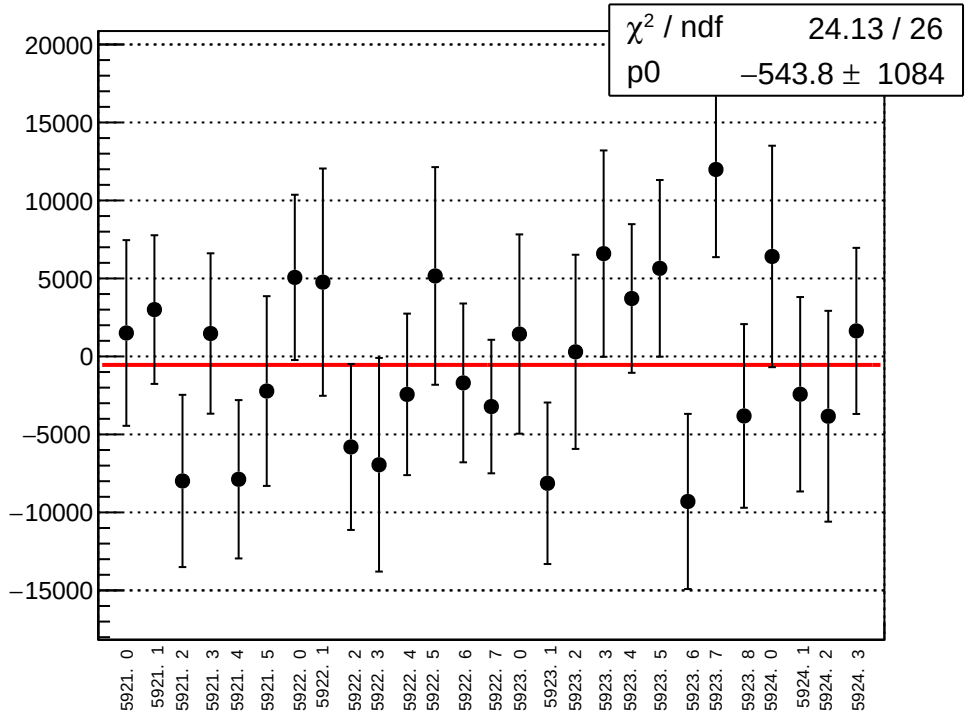

asym_us_dd_cor_correction_rms vs run
χ² / ndf 8124 / 26
p0 545.5 ± 0.7646
700
650
600
550
500
450
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

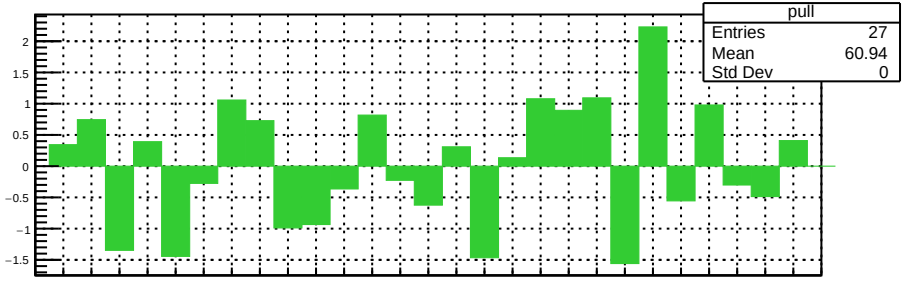

overload_cor_asym_us_dd_mean vs run
χ² / ndf 29.89 / 26
p0 −679.3 ± 1650
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 18
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

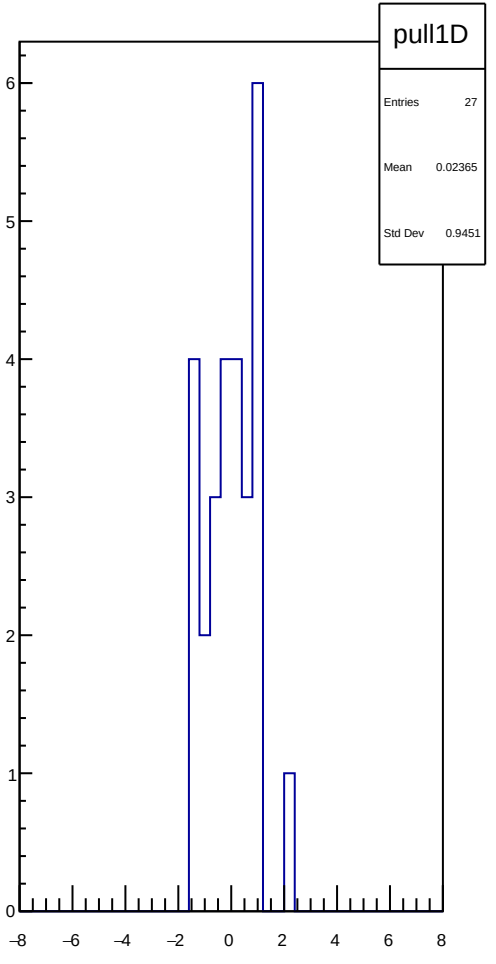

pull1D
Entries 27
Mean −0.003888
Std Dev 1.052
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

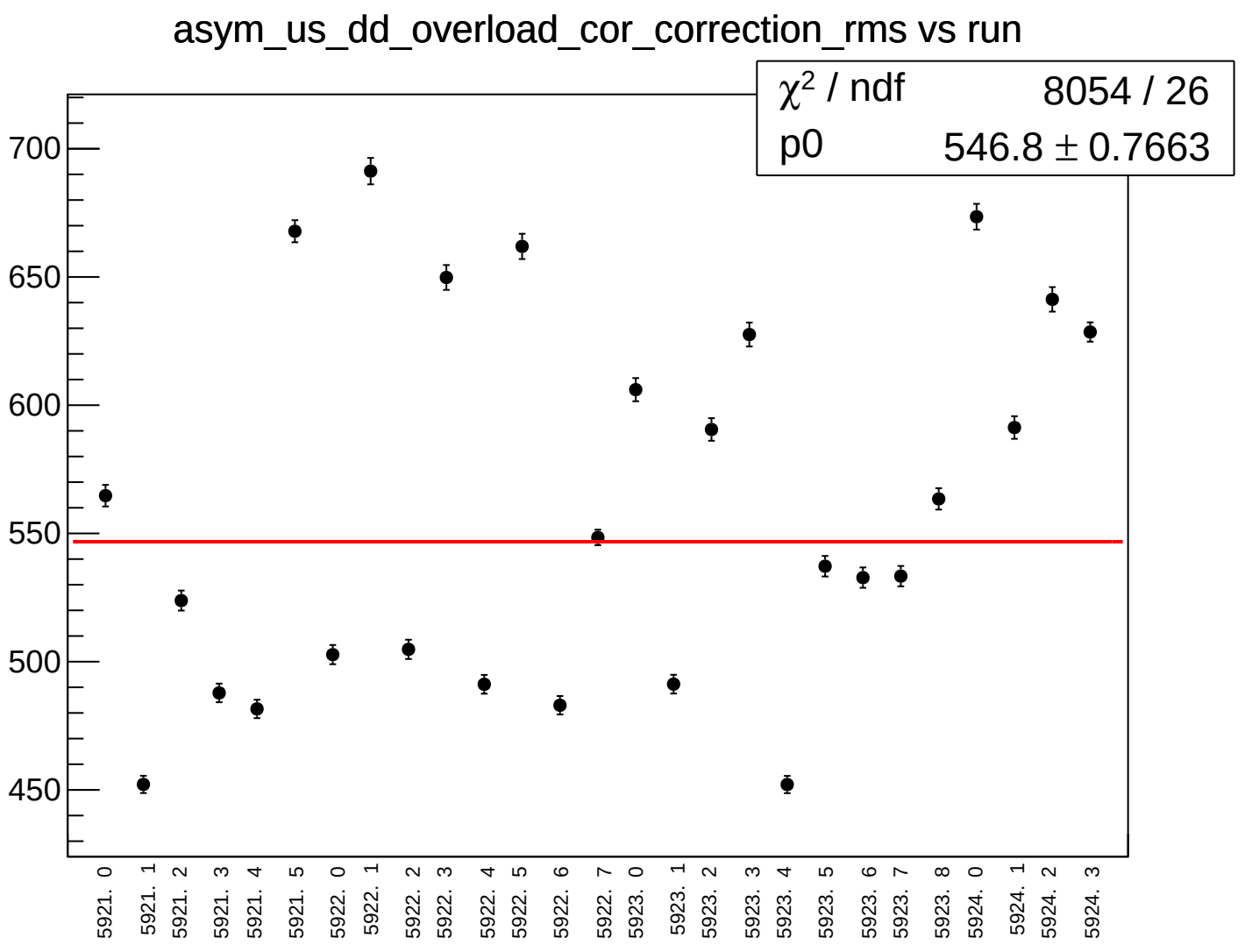

overload_cor_asym_us_dd_rms vs run
χ² / ndf 23.3 / 26
p0 838.8 ± 1.166
860
855
850
845
840
835
830
825
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

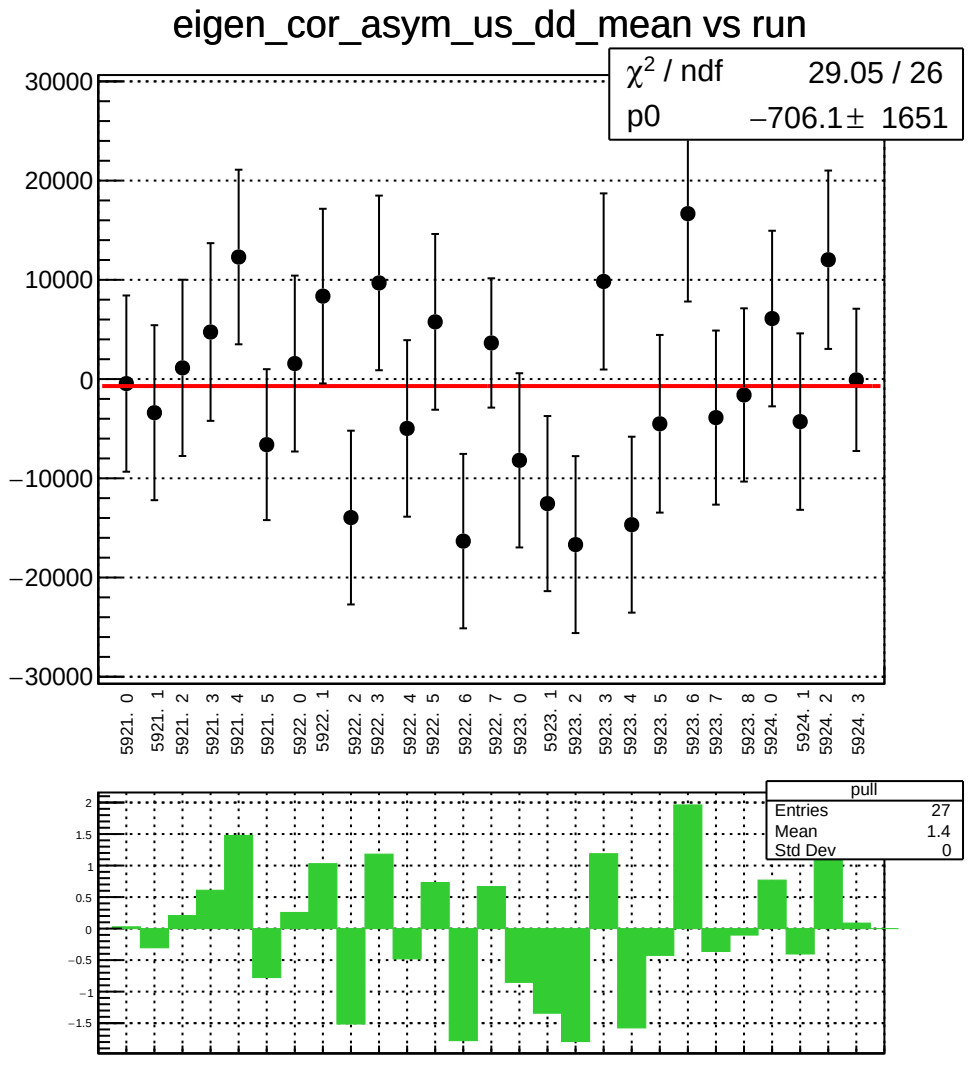
asym_us_dd_overload_cor_correction_mean vs run

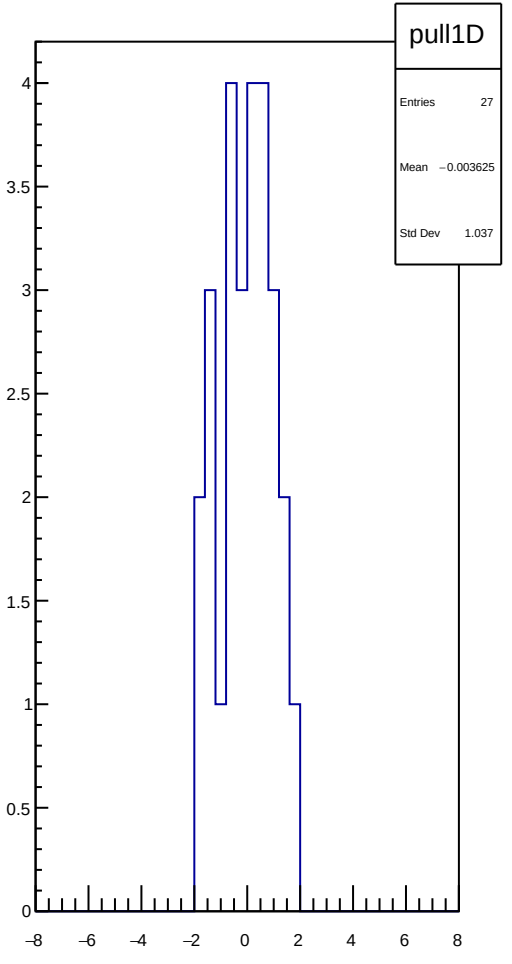


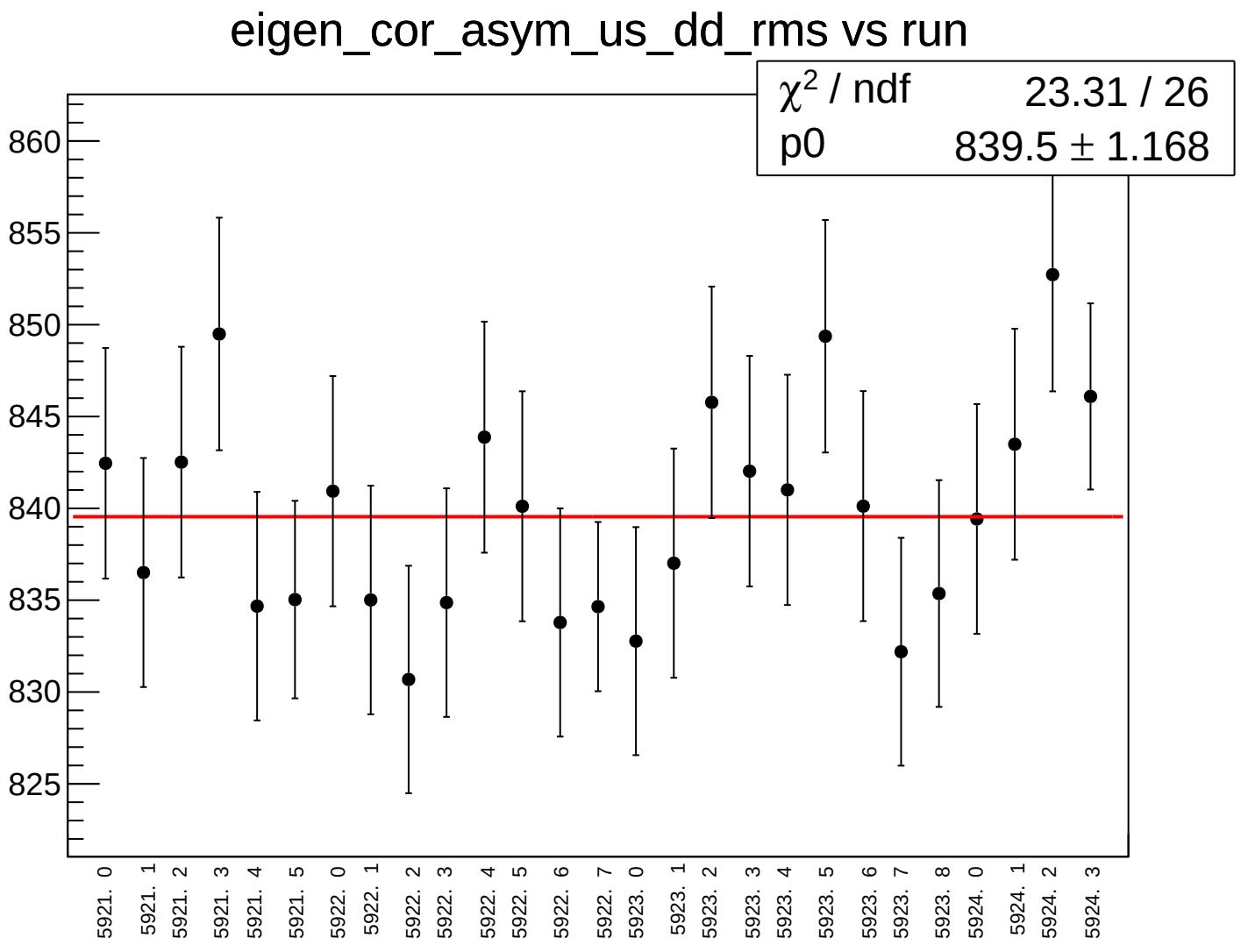


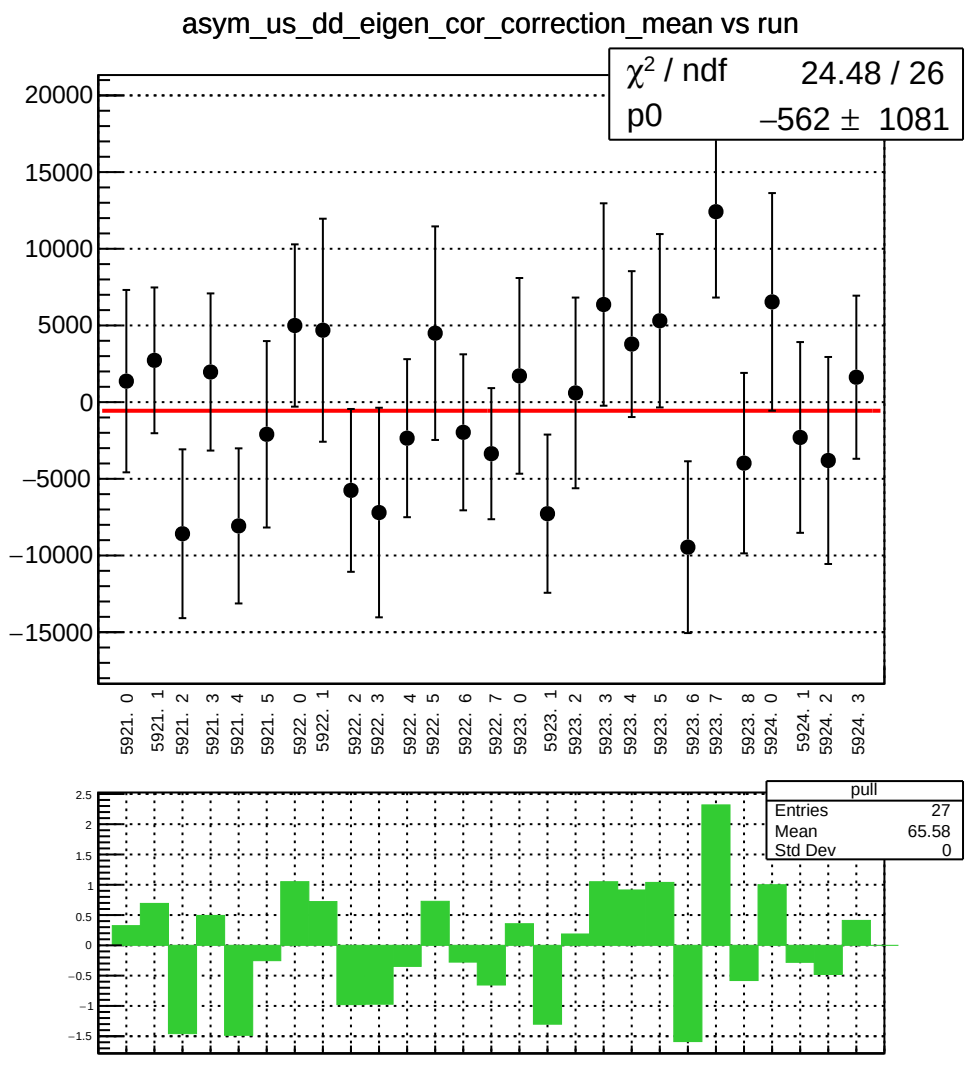


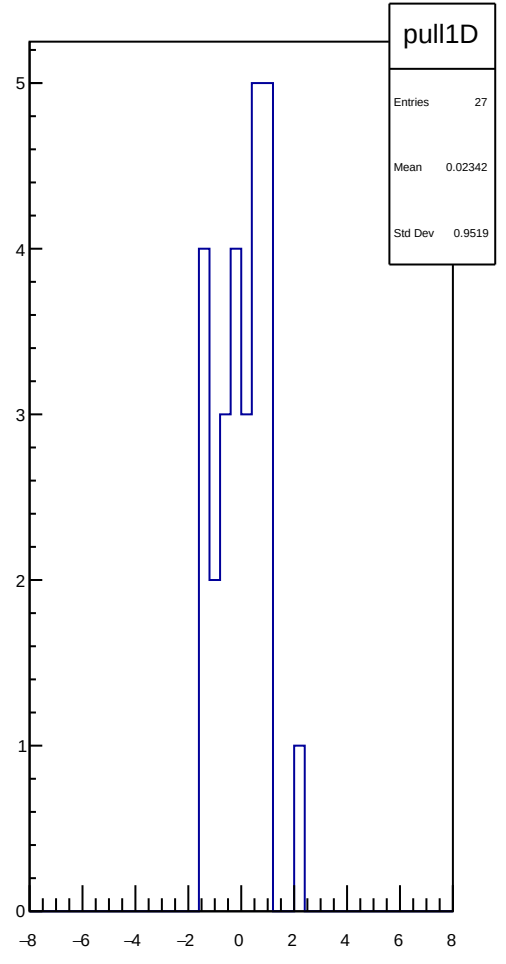

asym_us_dd_overload_cor_correction_rms vs run
χ² / ndf 8054 / 26
p0 546.8 ± 0.7663
700
650
600
550
500
450
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

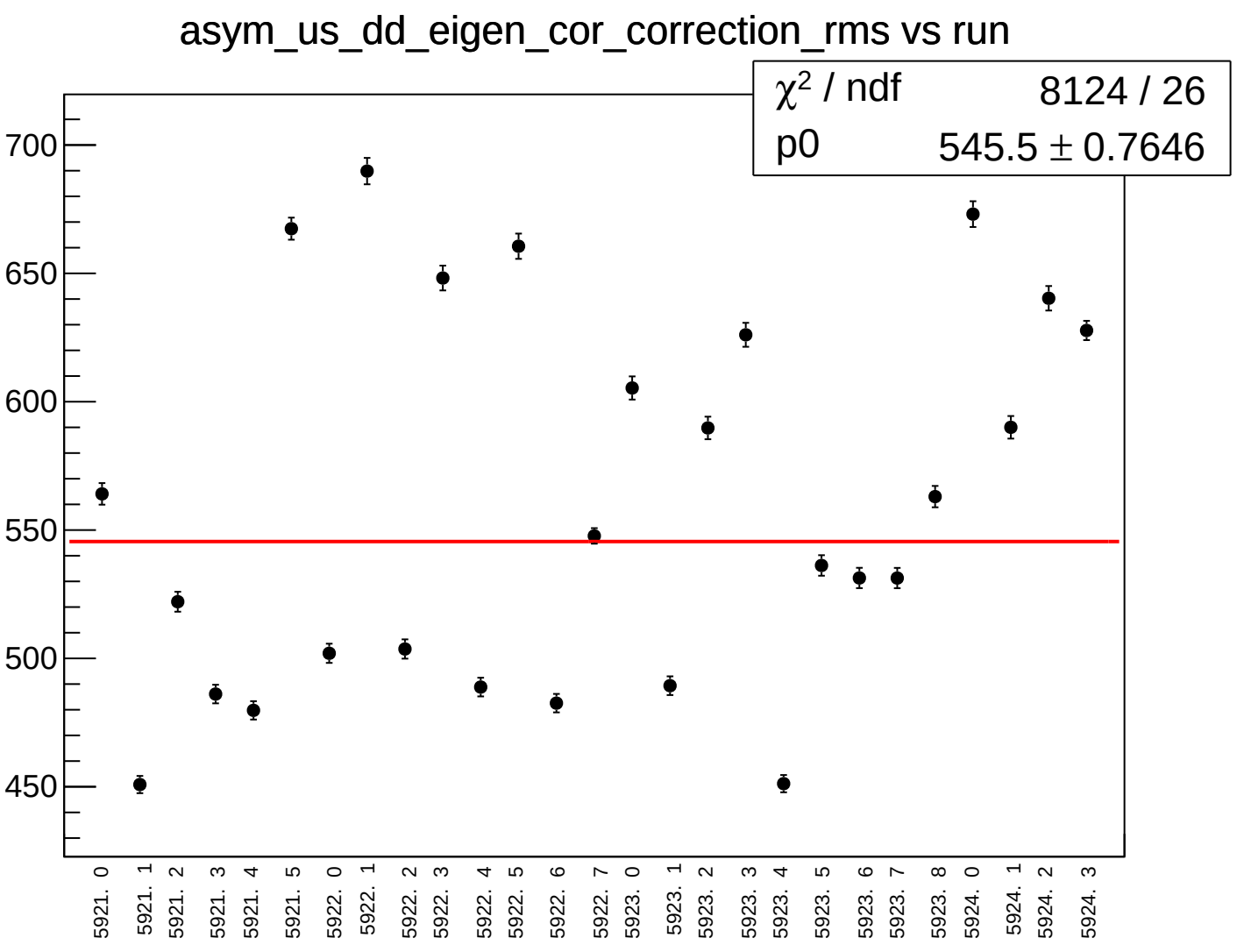

eigen_cor_asym_us_dd_mean vs run
χ² / ndf 29.05 / 26
p0 −706.1± 1651
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 1.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

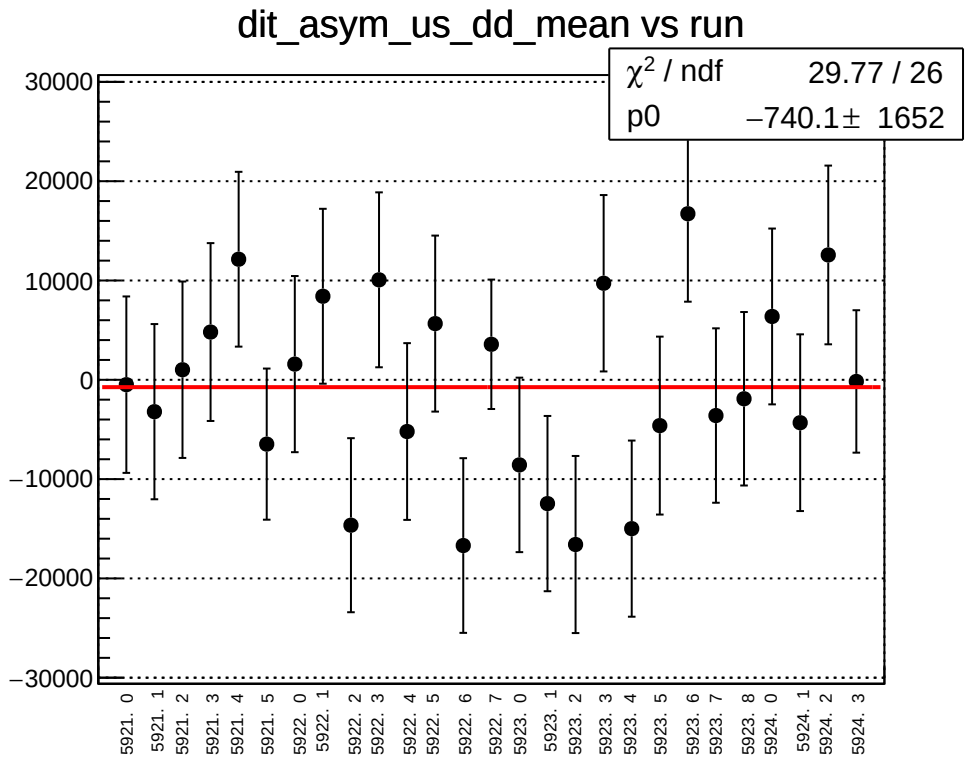

pull1D
Entries 27
Mean −0.003625
Std Dev 1.037
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

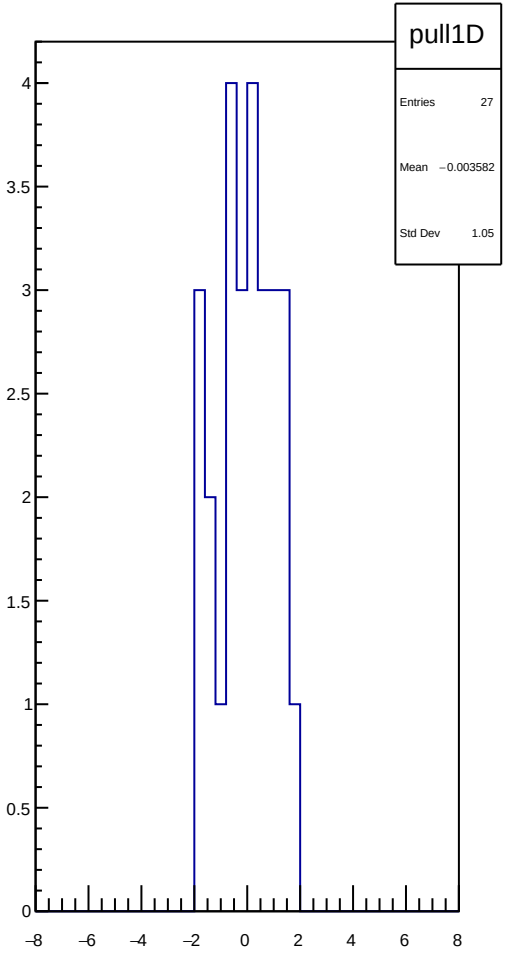

eigen_cor_asym_us_dd_rms vs run
χ² / ndf 23.31 / 26
p0 839.5 ± 1.168
860
855
850
845
840
835
830
825
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

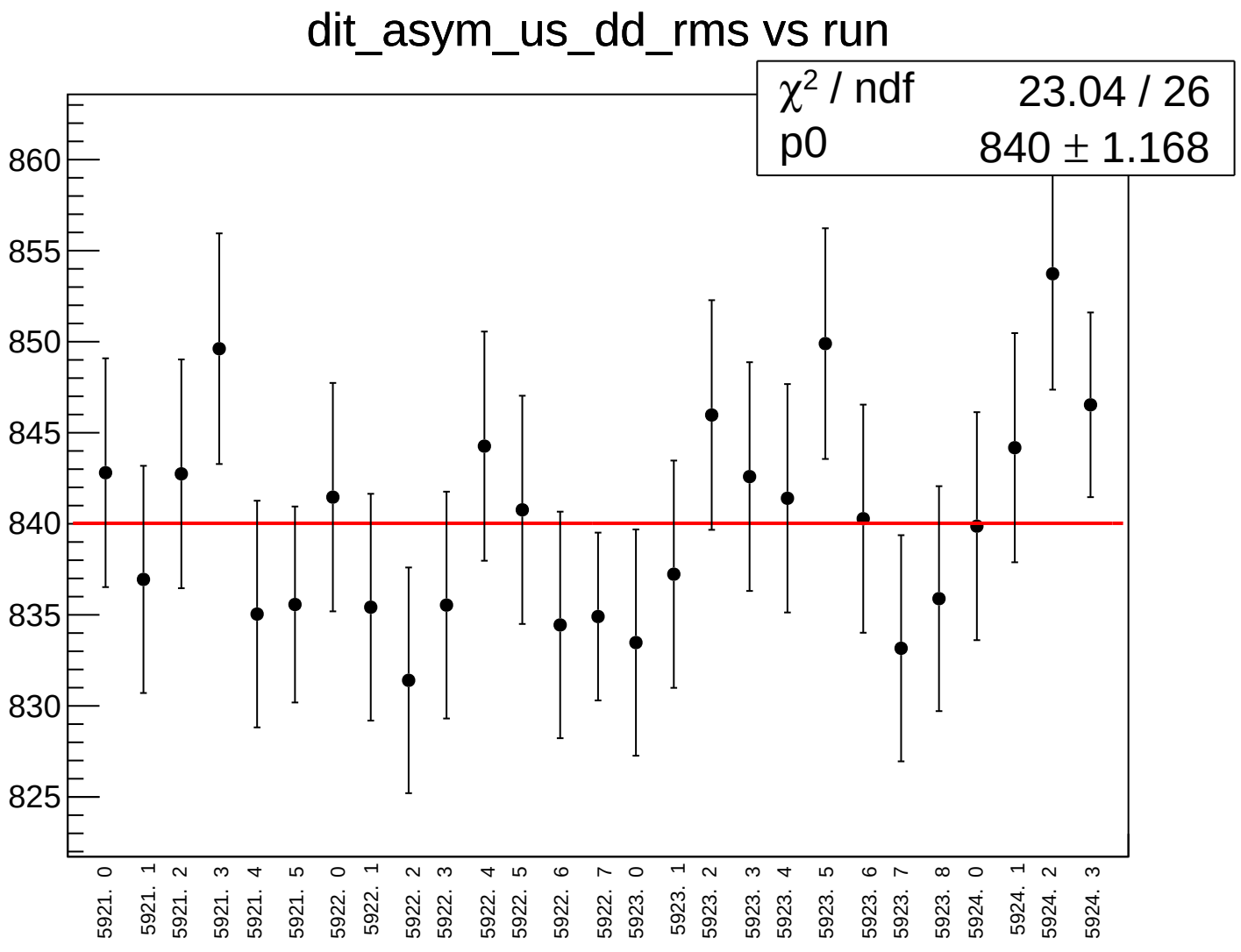

asym_us_dd_eigen_cor_correction_mean vs run
χ² / ndf 24.48 / 26
p0 −562 ± 1081
20000
15000
10000
5000
0
−5000
−10000
−15000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 65.58
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

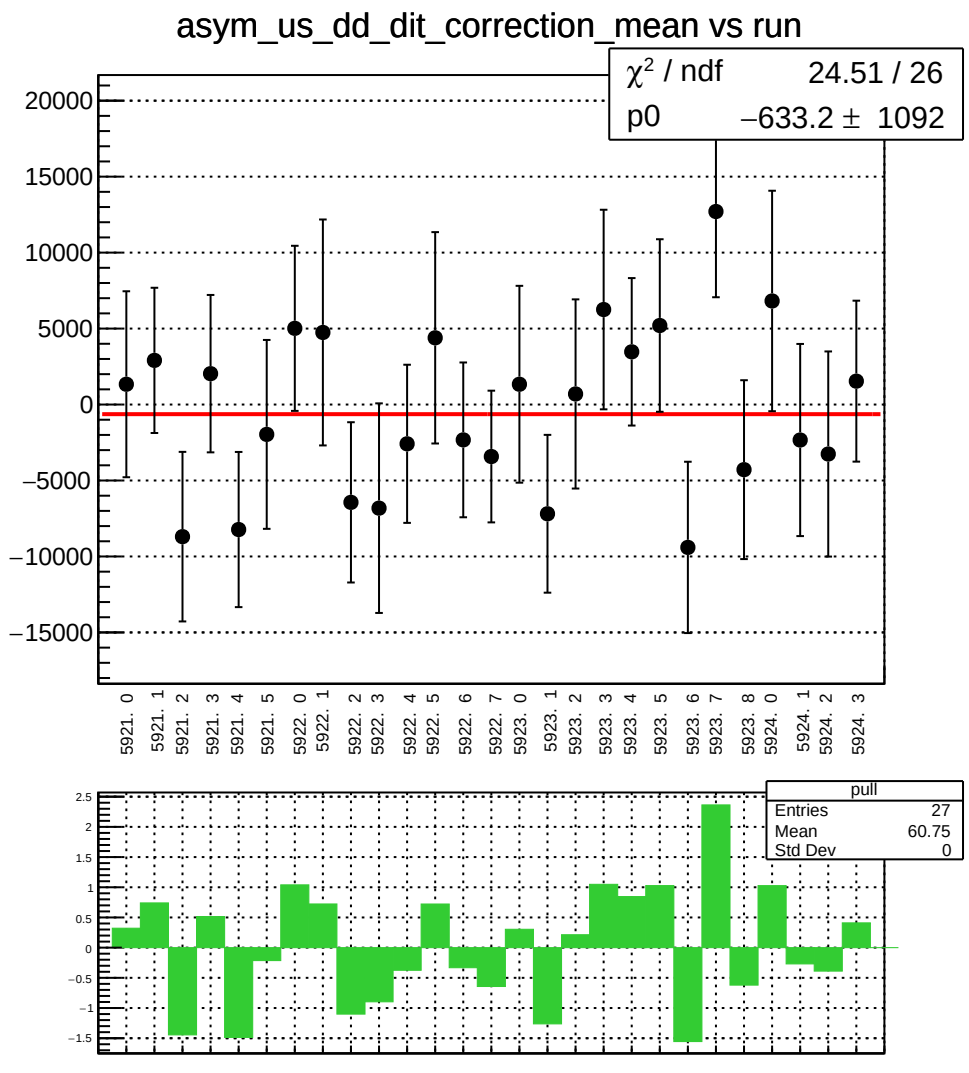

pull1D
Entries 27
Mean 0.02342
Std Dev 0.9519
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

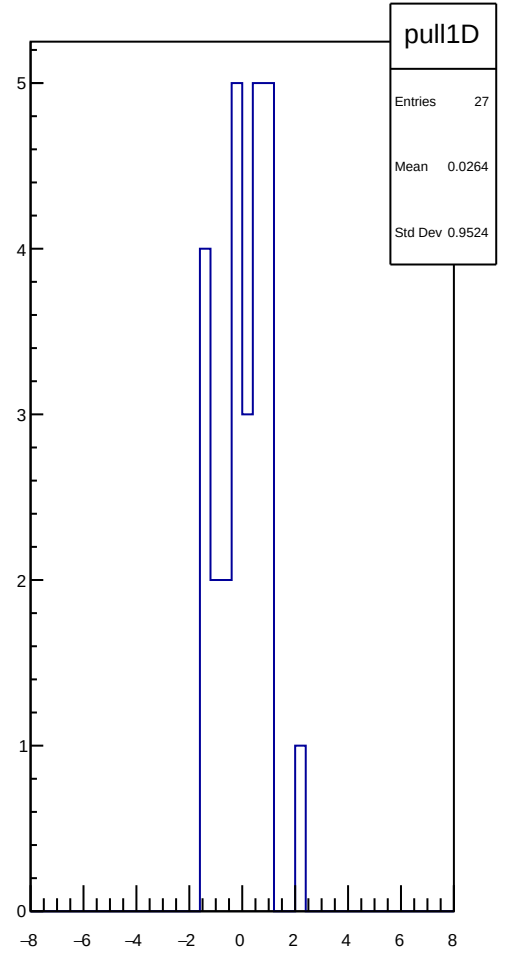

asym_us_dd_eigen_cor_correction_rms vs run
χ² / ndf 8124 / 26
p0 545.5 ± 0.7646
700
650
600
550
500
450
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

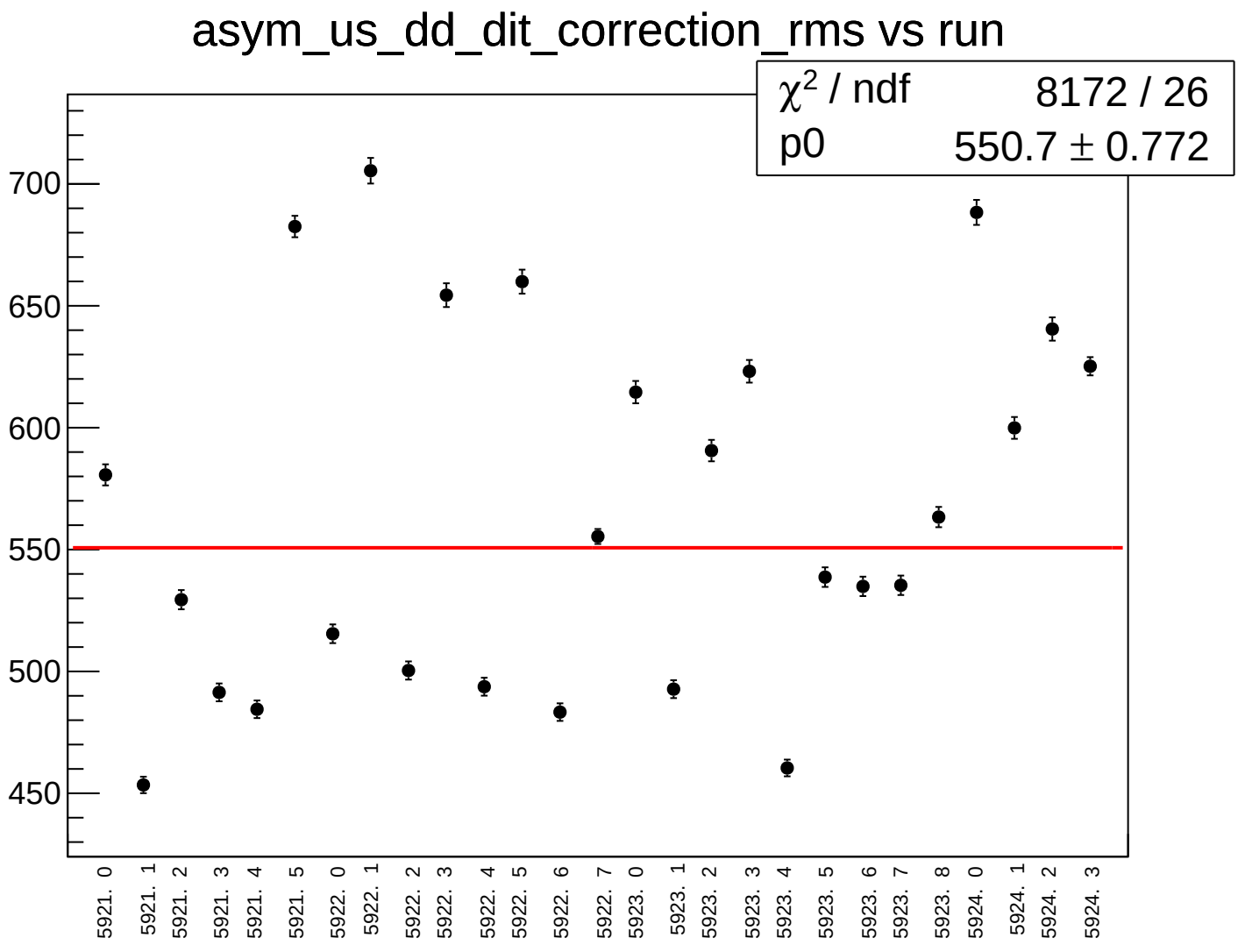

dit_asym_us_dd_mean vs run
χ² / ndf 29.77 / 26
p0 −740.1± 1652
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −6.394
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

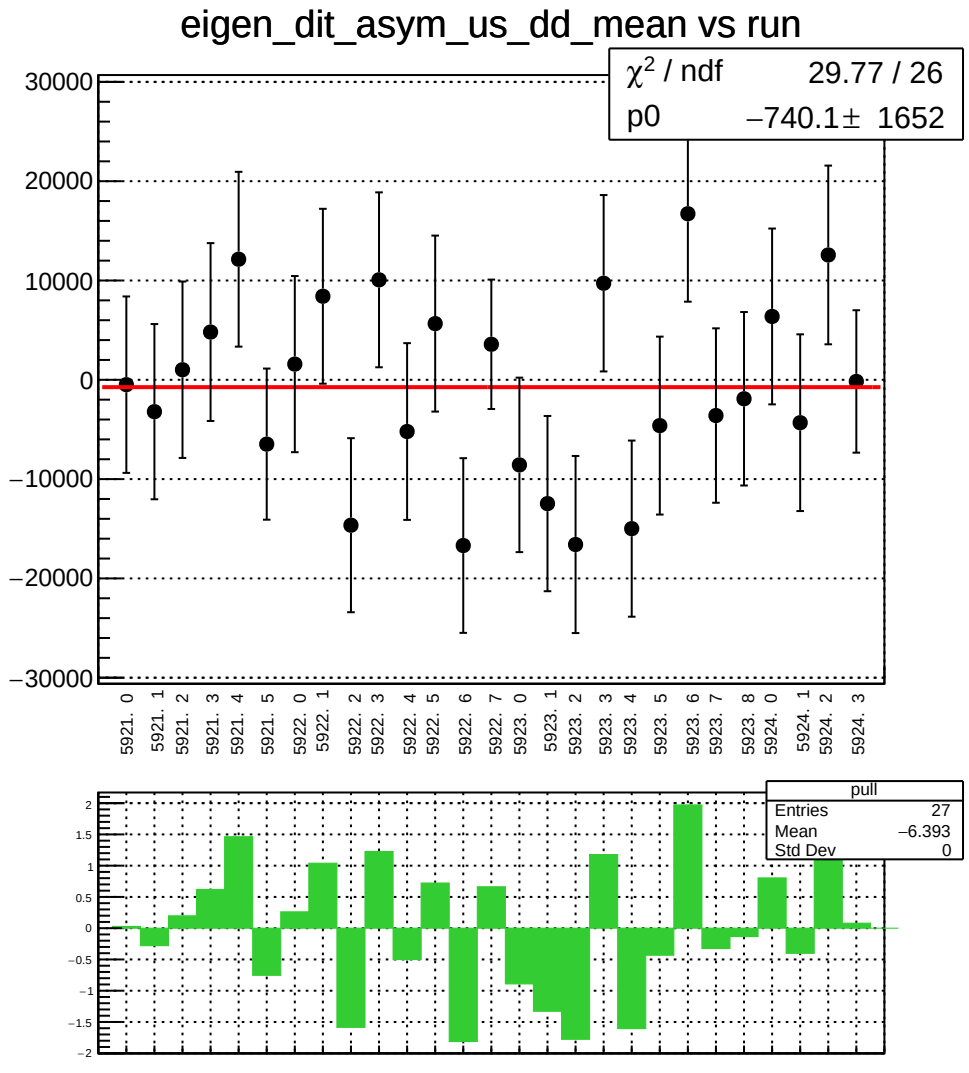

pull1D
Entries 27
Mean −0.003582
Std Dev 1.05
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

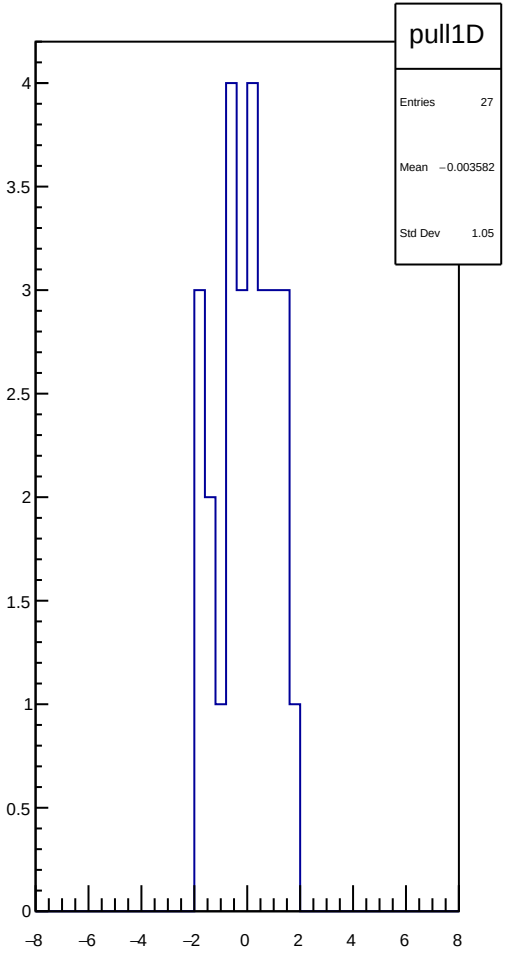

dit_asym_us_dd_rms vs run
χ² / ndf 23.04 / 26
p0 840 ± 1.168
860
855
850
845
840
835
830
825
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

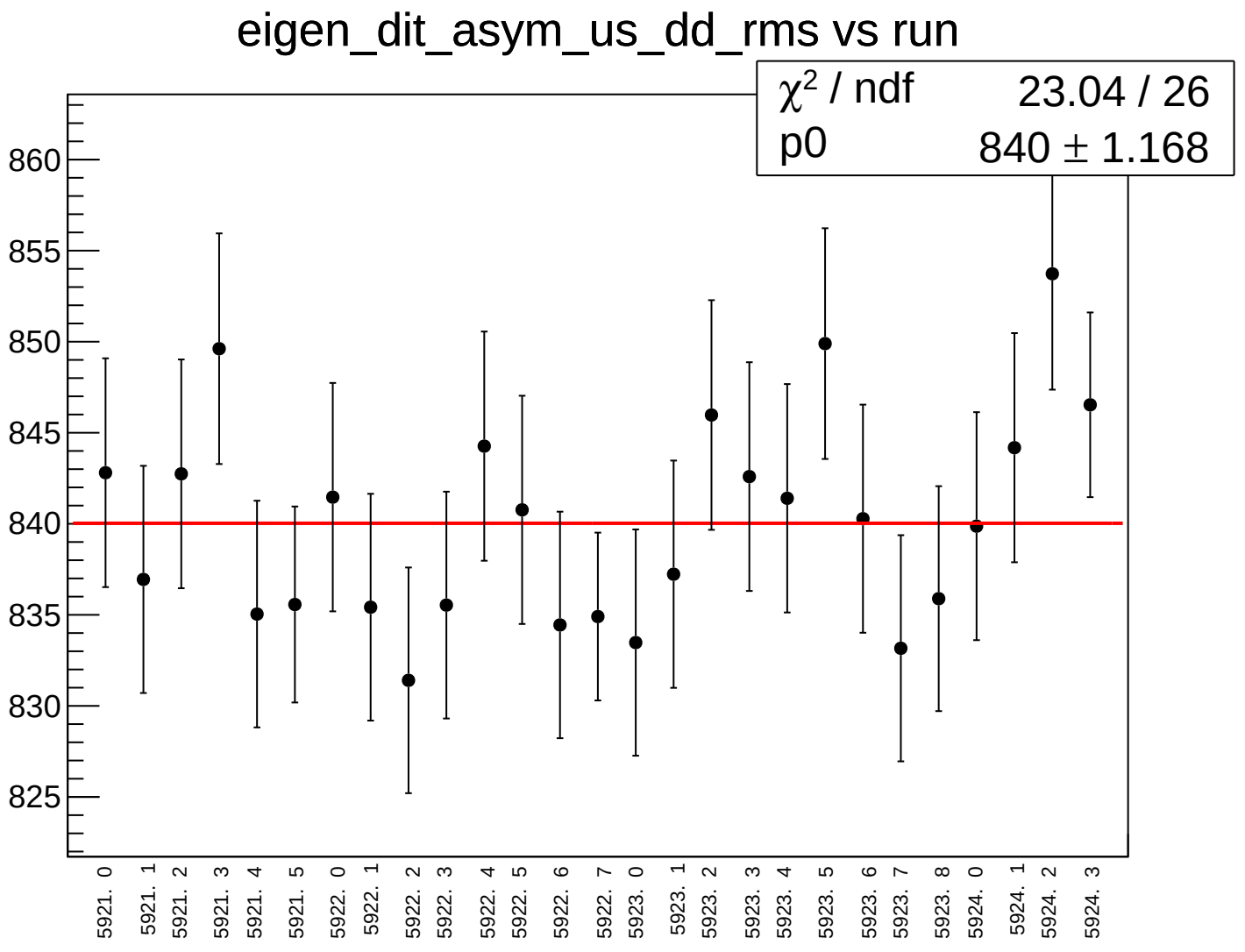

asym_us_dd_dit_correction_mean vs run
χ² / ndf 24.51 / 26
p0 −633.2 ± 1092
20000
15000
10000
5000
0
−5000
−10000
−15000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 60.75
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

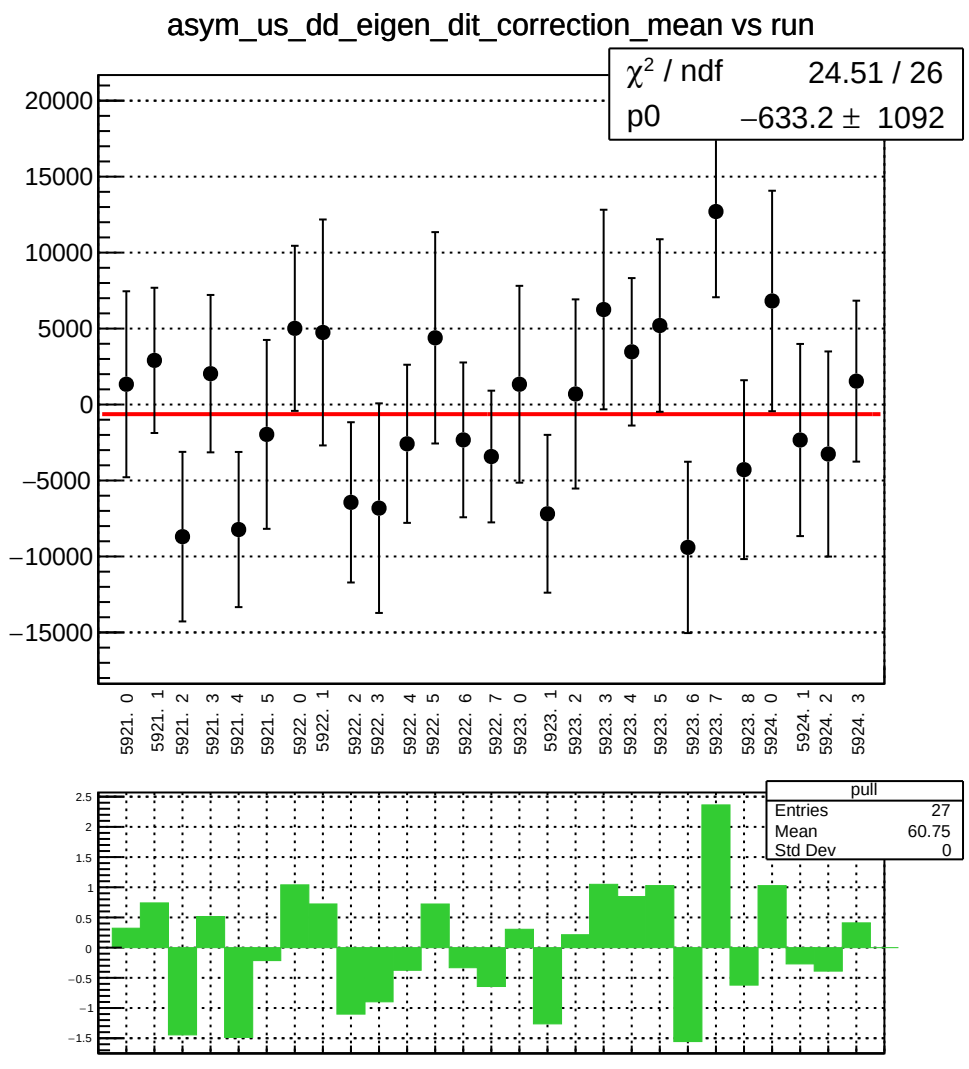

pull1D
Entries 27
Mean 0.0264
Std Dev 0.9524
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

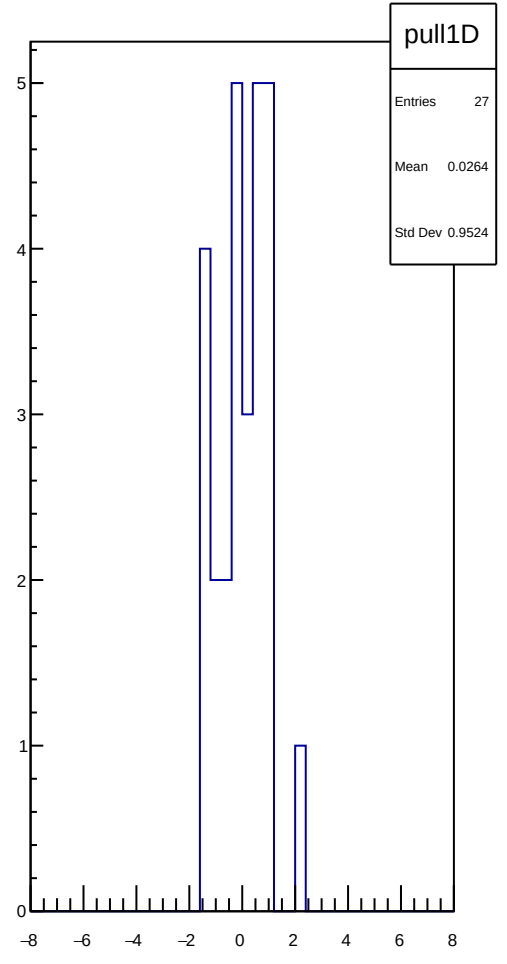

asym_us_dd_dit_correction_rms vs run
χ² / ndf 8172 / 26
p0 550.7 ± 0.772
700
650
600
550
500
450
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

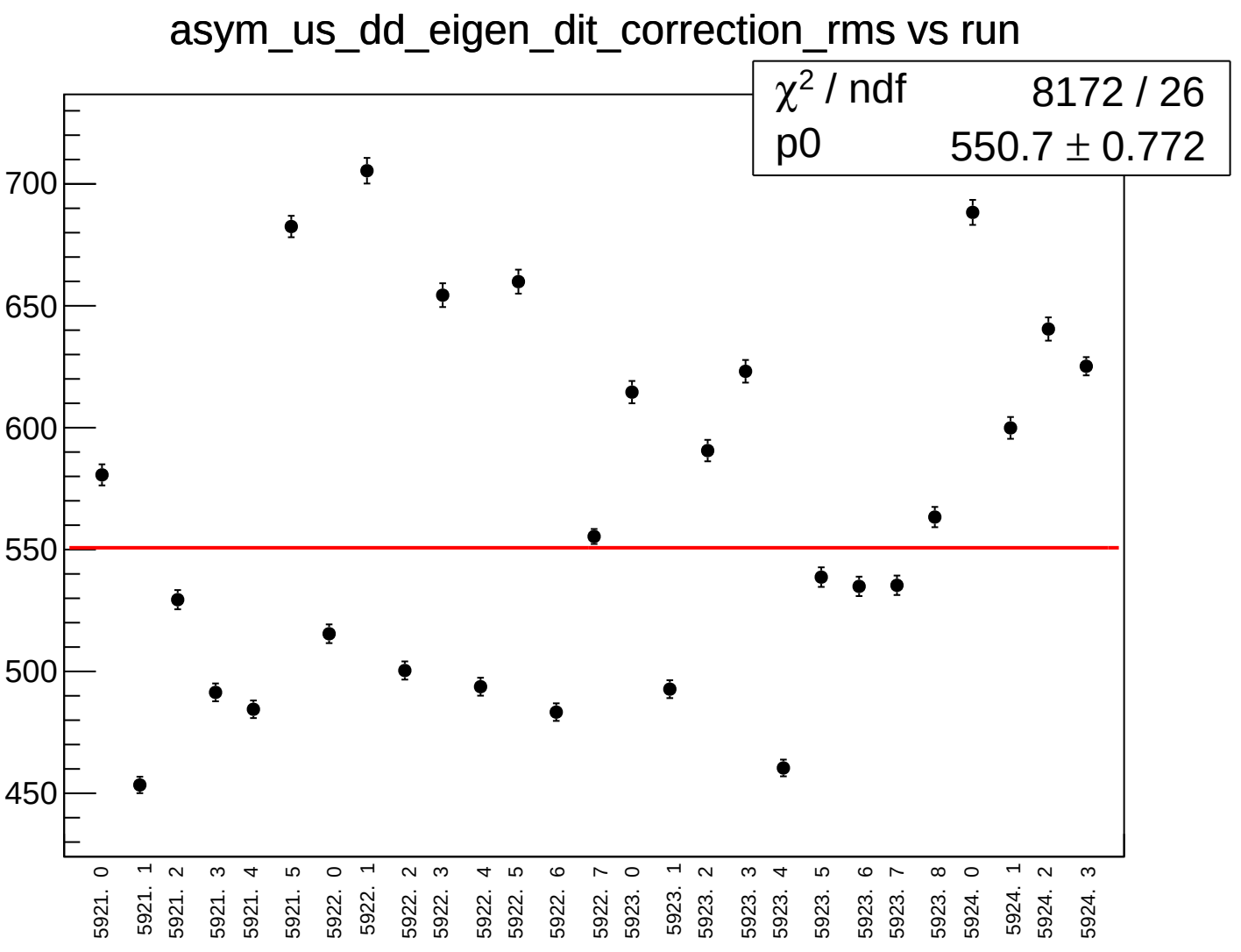

eigen_dit_asym_us_dd_mean vs run
χ² / ndf 29.77 / 26
p0 −740.1± 1652
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −6.393
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

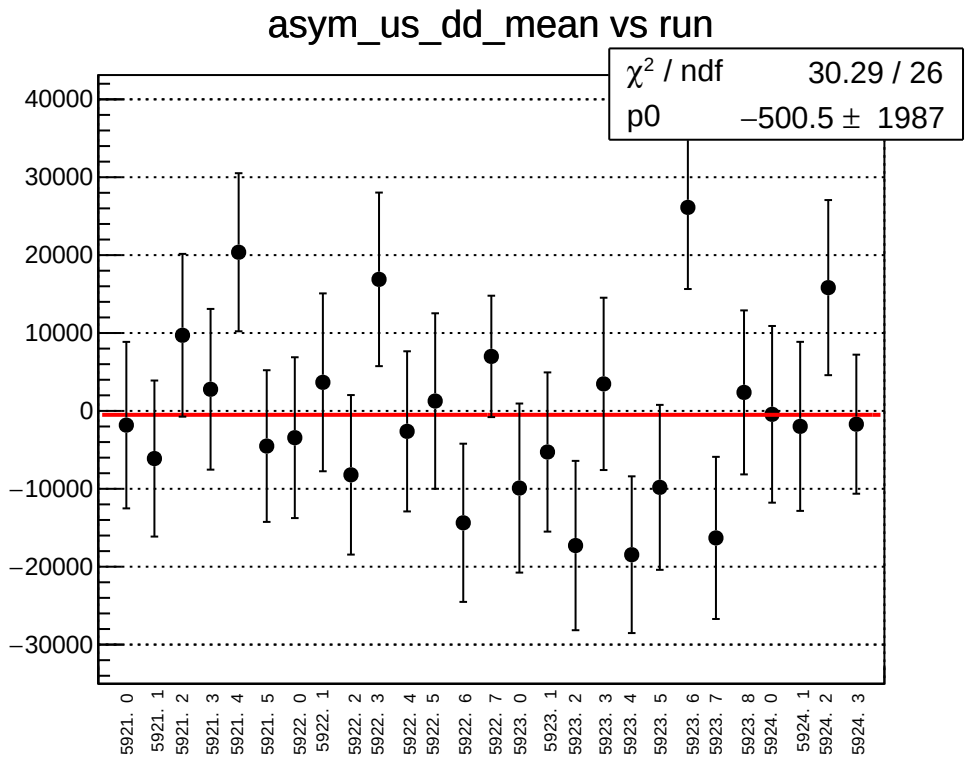

pull1D
Entries 27
Mean −0.003582
Std Dev 1.05
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

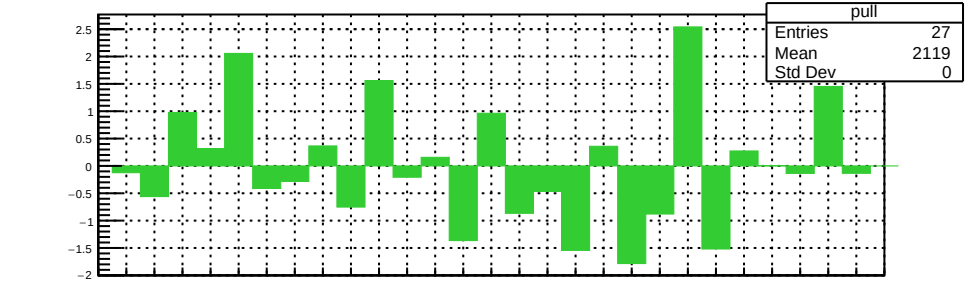

eigen_dit_asym_us_dd_rms vs run
χ² / ndf 23.04 / 26
p0 840 ± 1.168
860
855
850
845
840
835
830
825
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

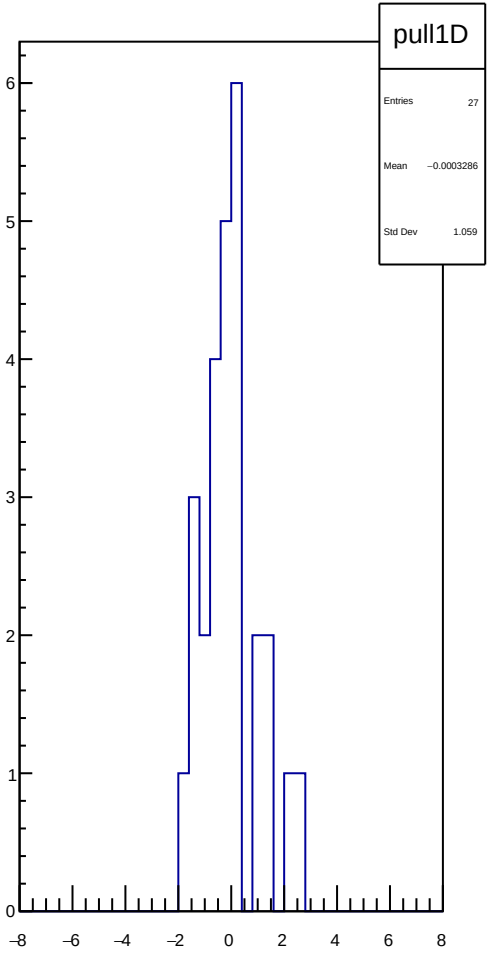

asym_us_dd_eigen_dit_correction_mean vs run
χ² / ndf 24.51 / 26
p0 −633.2 ± 1092
20000
15000
10000
5000
0
−5000
−10000
−15000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 60.75
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

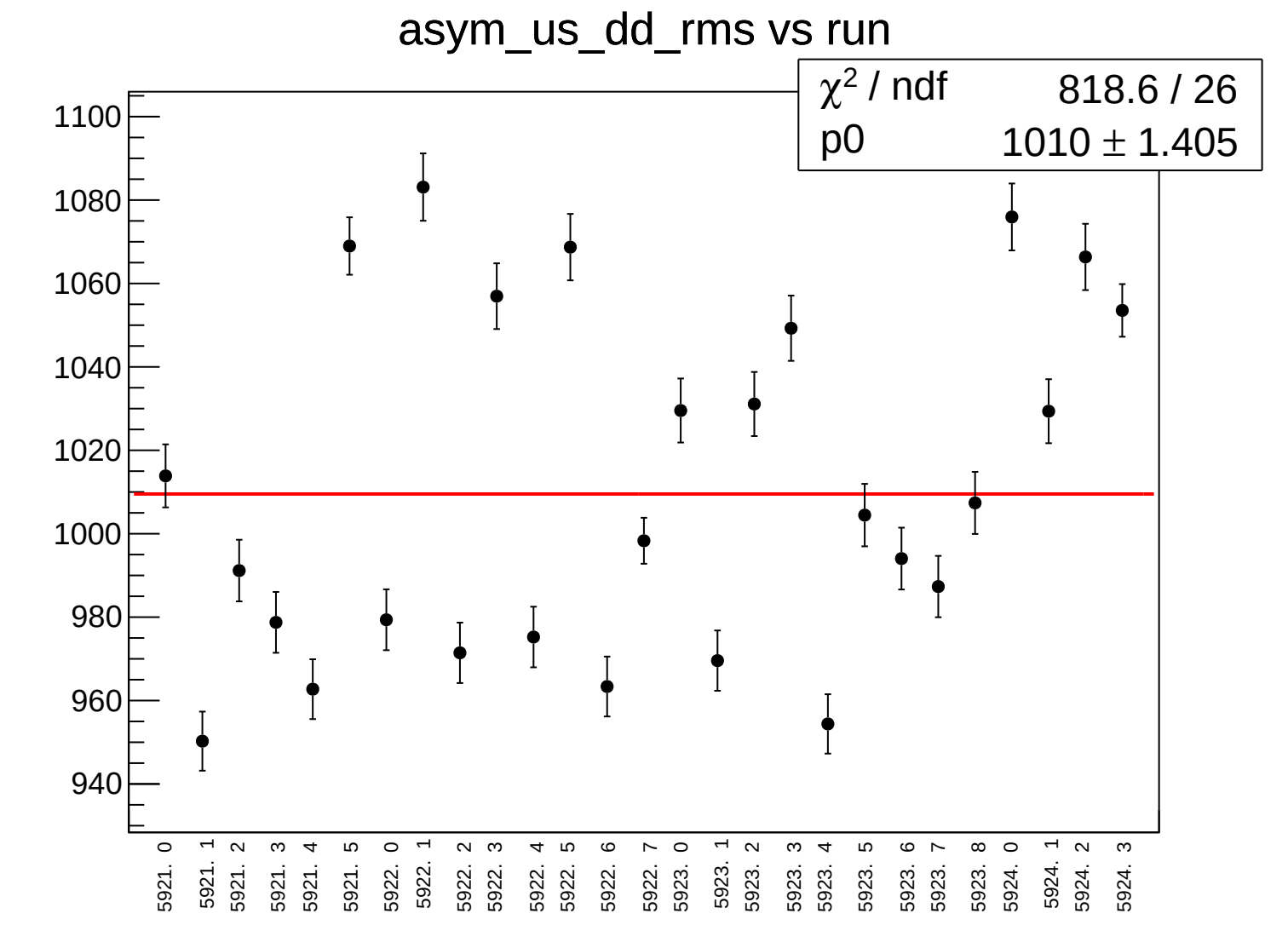

pull1D
Entries 27
Mean 0.0264
Std Dev 0.9524
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

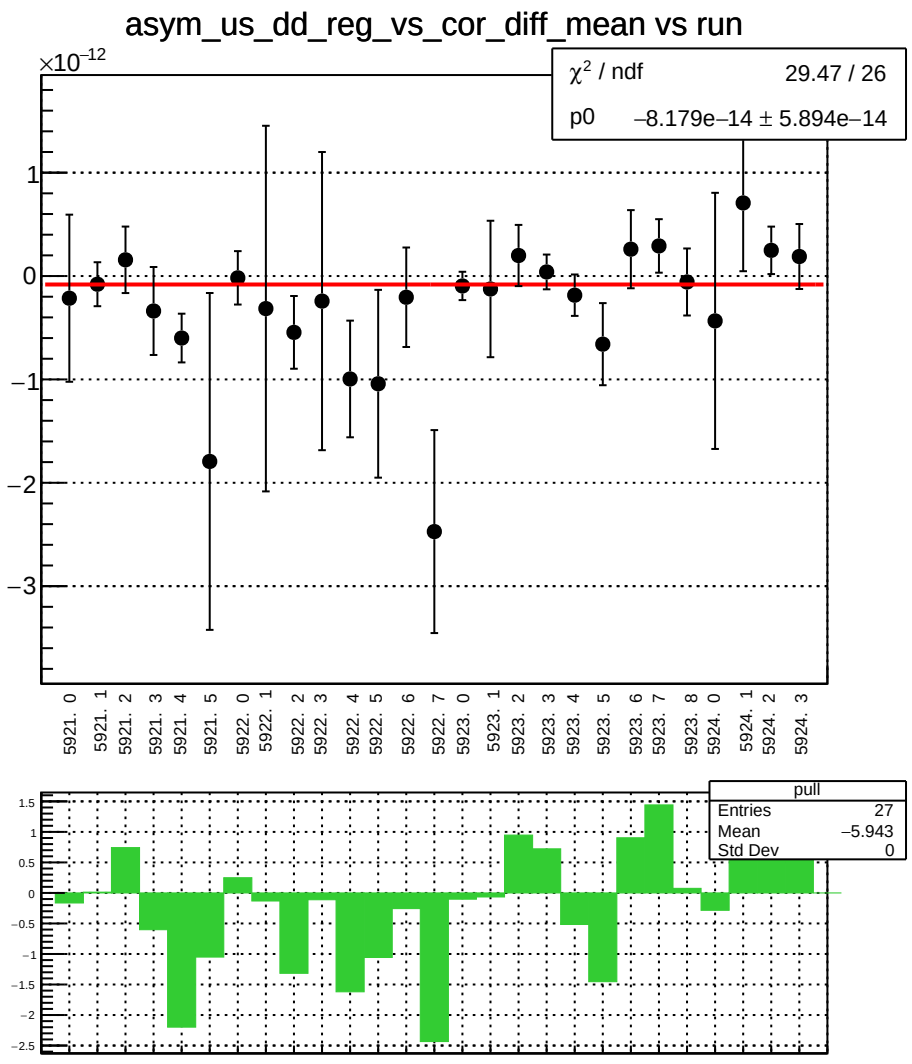

asym_us_dd_eigen_dit_correction_rms vs run
χ² / ndf 8172 / 26
p0 550.7 ± 0.772
700
650
600
550
500
450
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

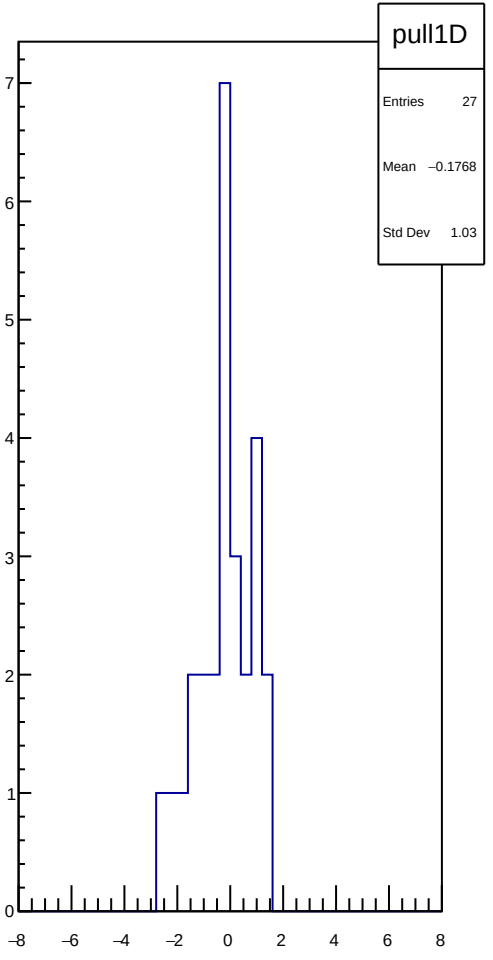

asym_us_dd_mean vs run
χ² / ndf 30.29 / 26
p0 −500.5 ± 1987
40000
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

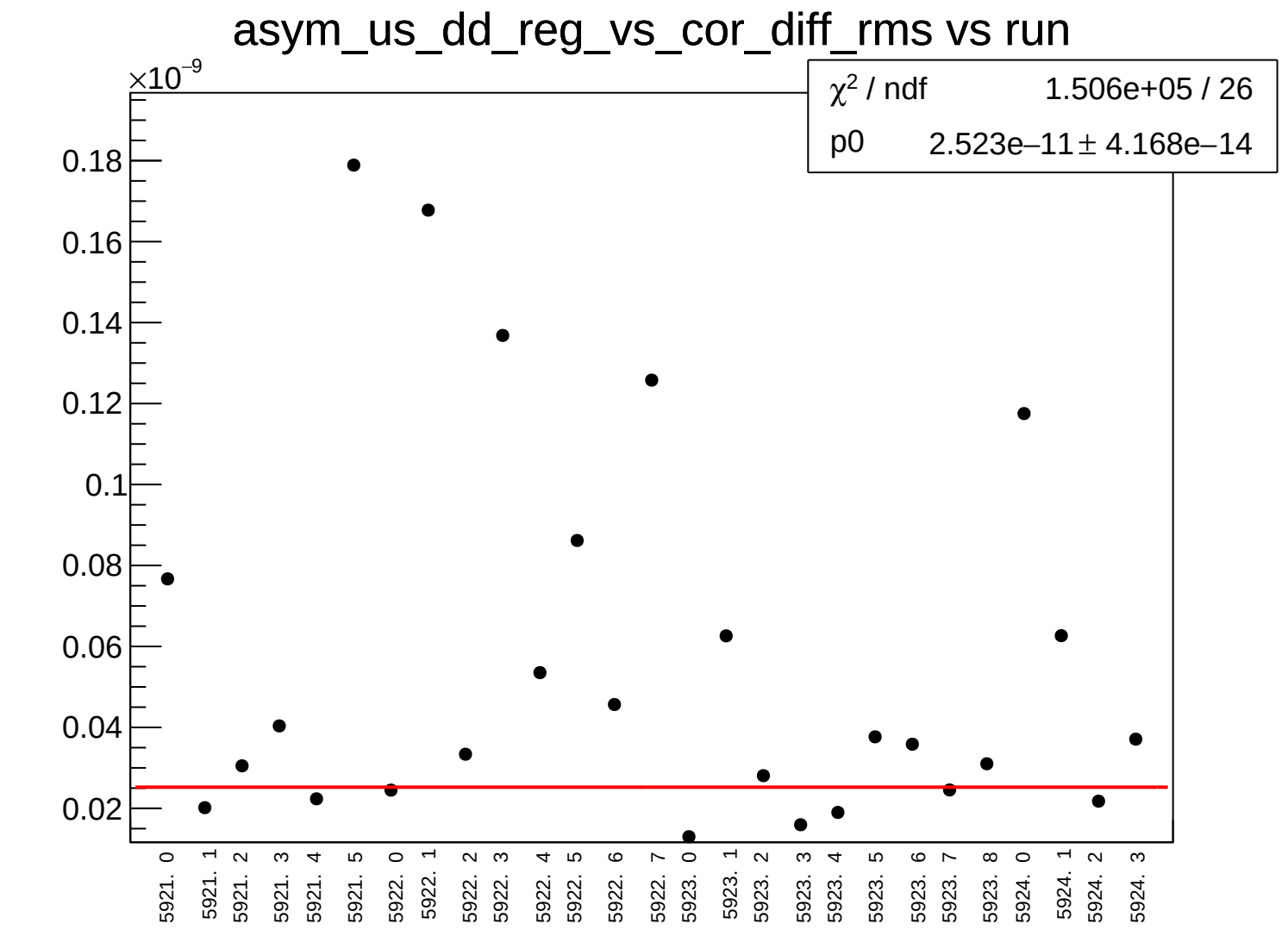

pull
Entries 27
Mean 2119
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

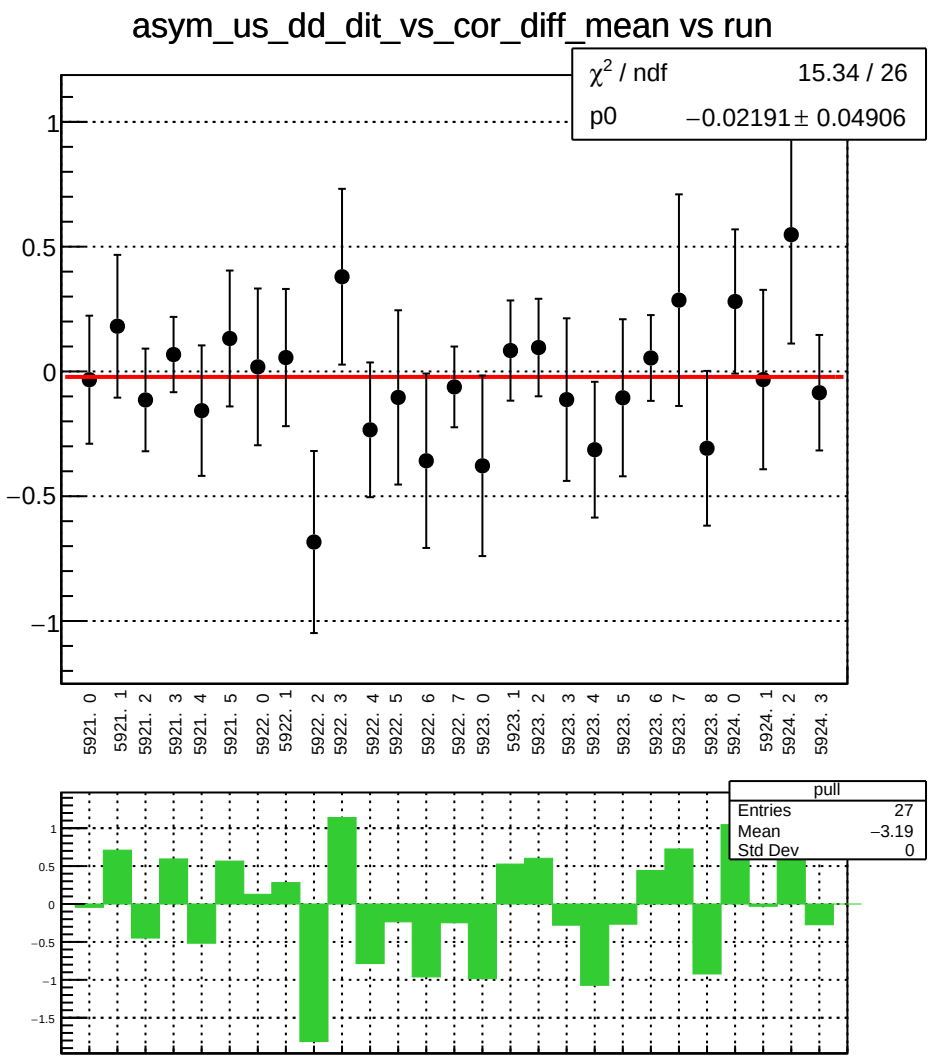

pull1D
Entries 27
Mean −0.0003286
Std Dev 1.059
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

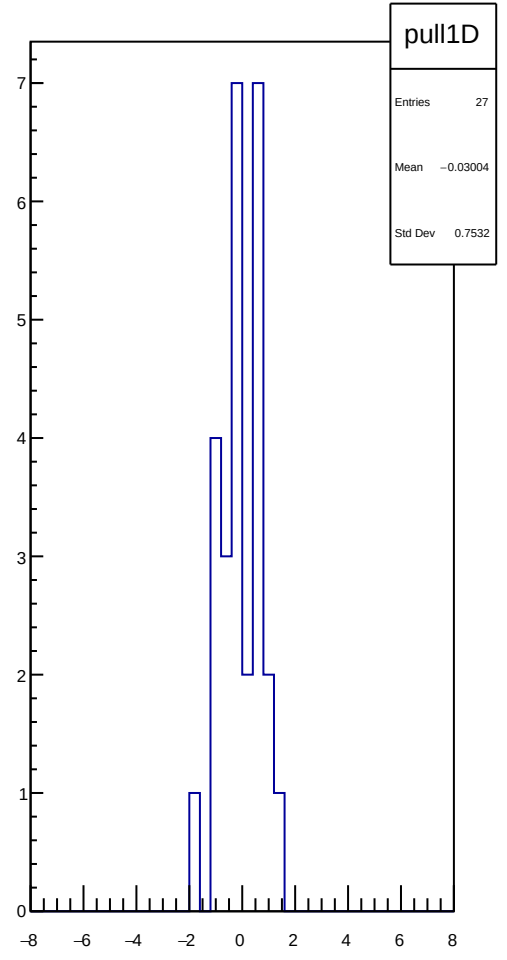

asym_us_dd_rms vs run
χ² / ndf 818.6 / 26
p0 1010 ± 1.405
1100
1080
1060
1040
1020
1000
980
960
940
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

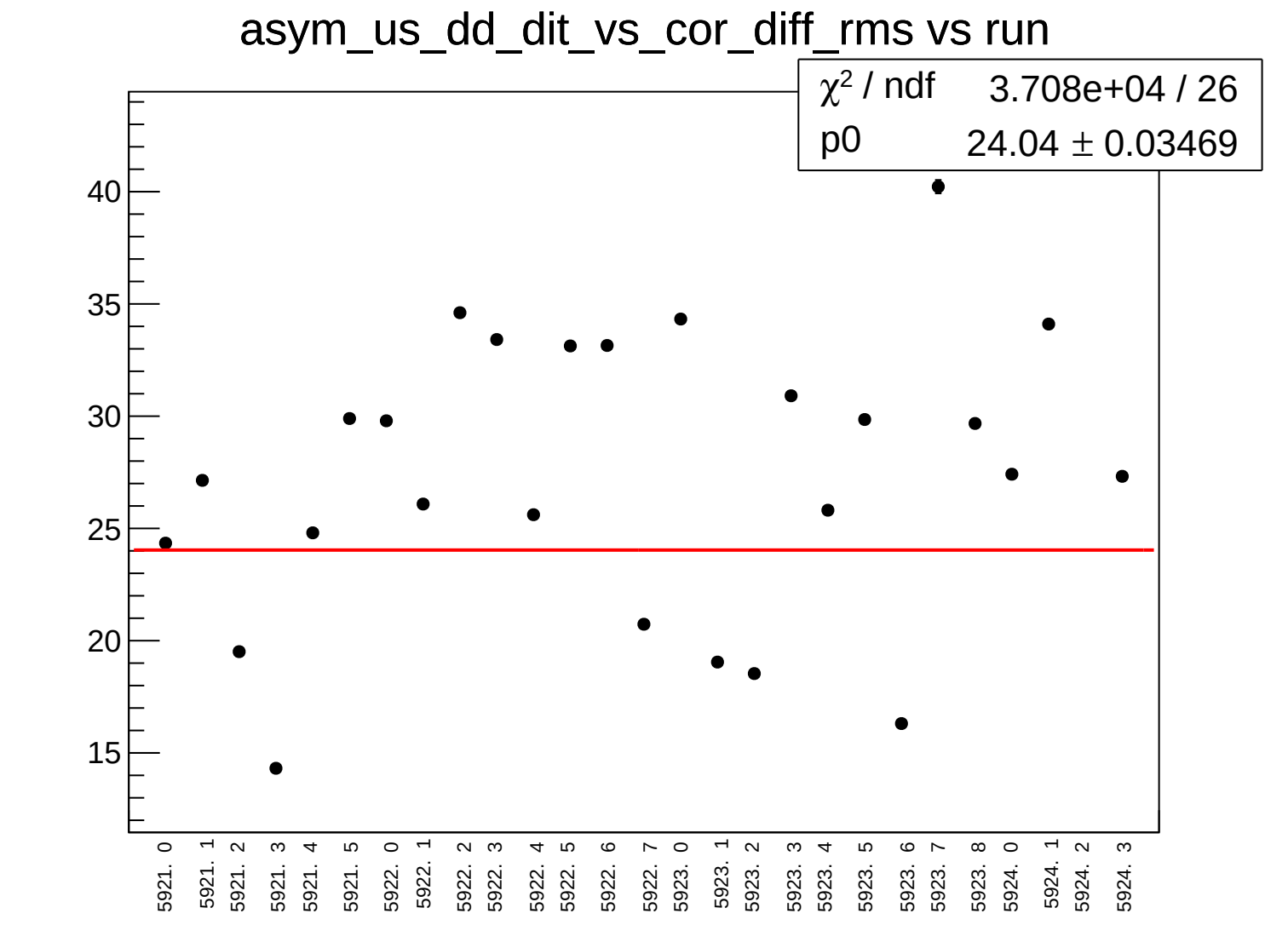

asym_us_dd_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 29.47 / 26
p0 −8.179e−14 ± 5.894e−14
1
0
−1
−2
−3
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −5.943
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

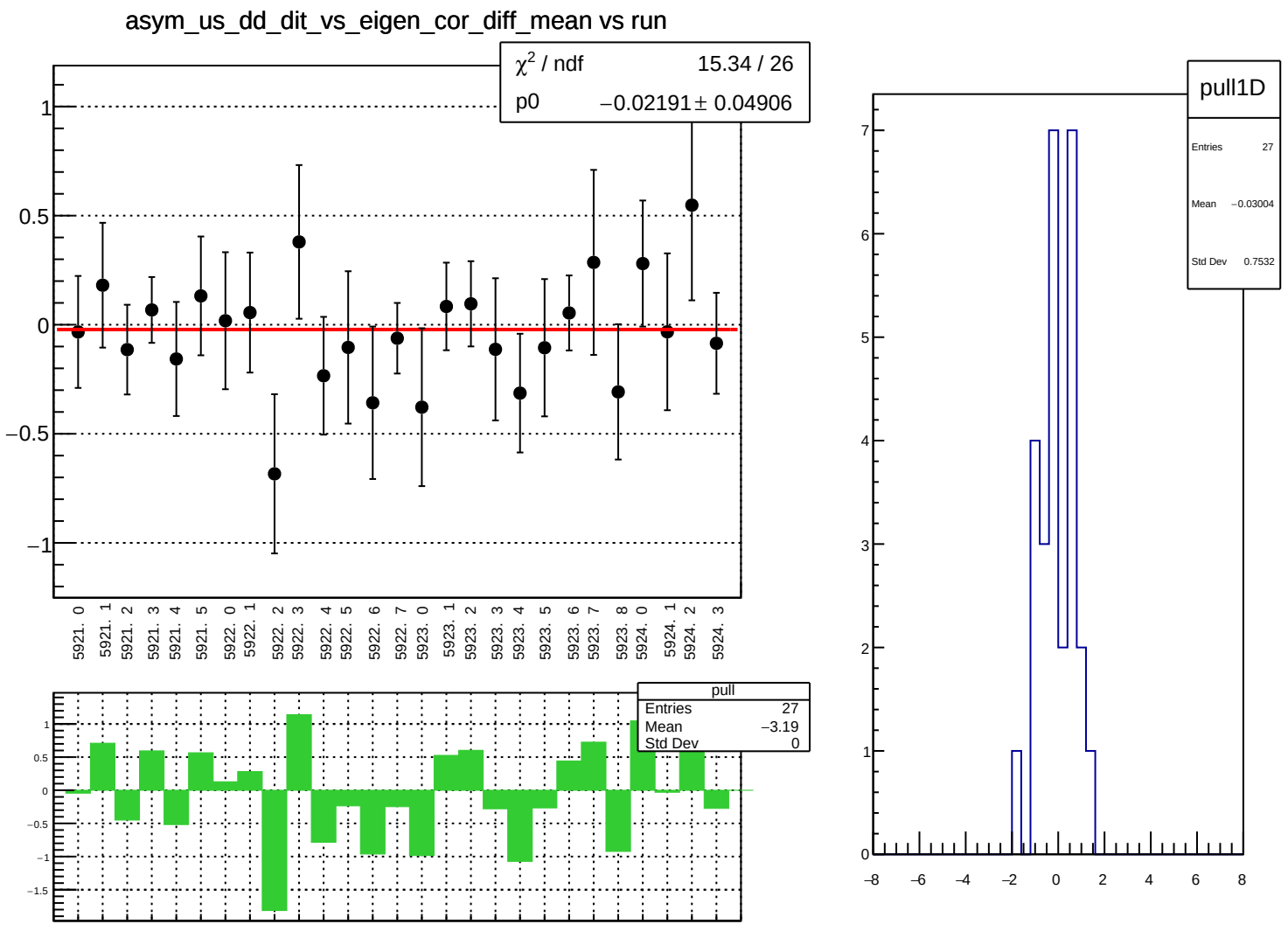

pull1D
Entries 27
Mean −0.1768
Std Dev 1.03
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

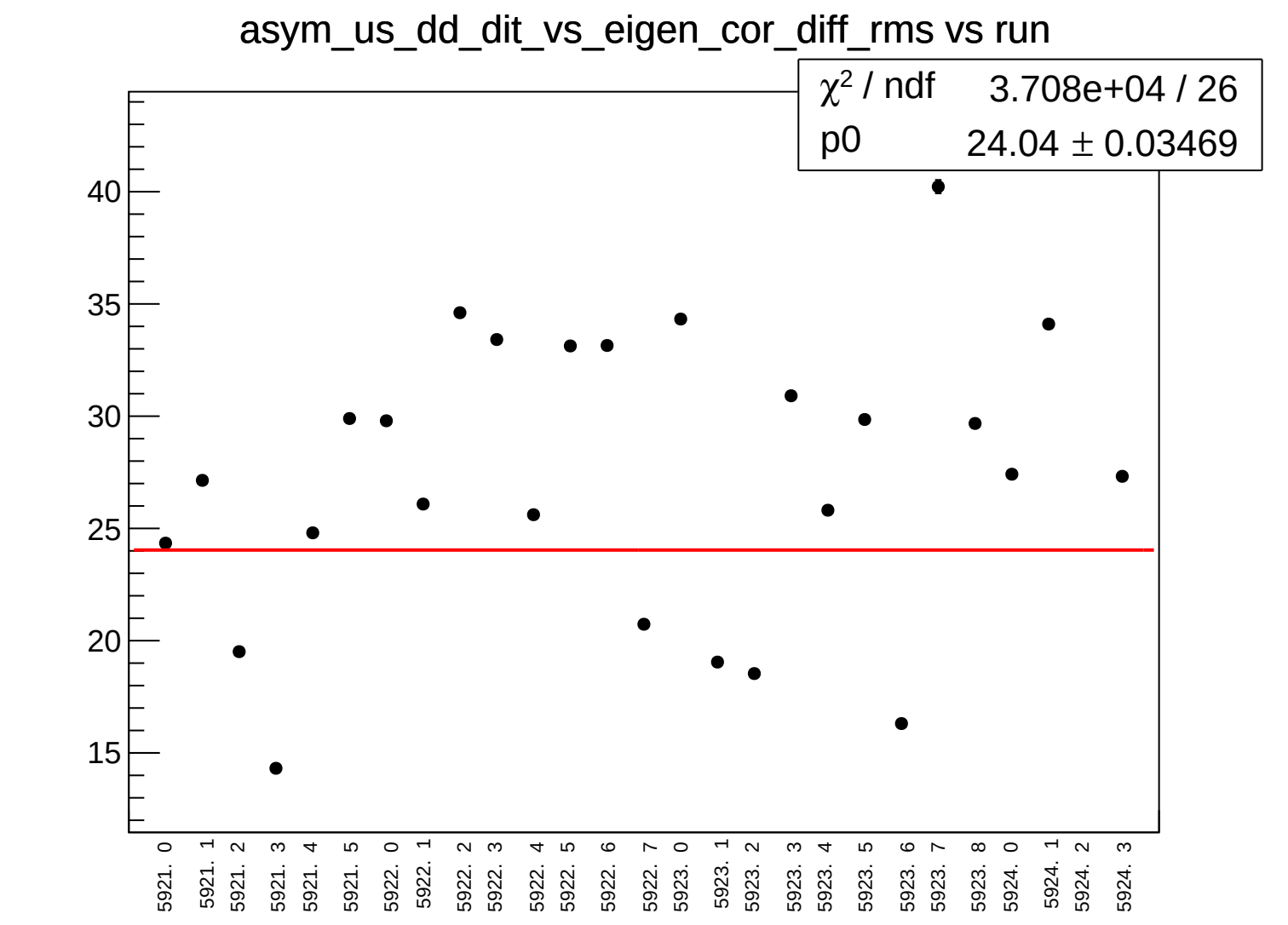

asym_us_dd_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.506e+05 / 26
p0 2.523e−11 ± 4.168e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

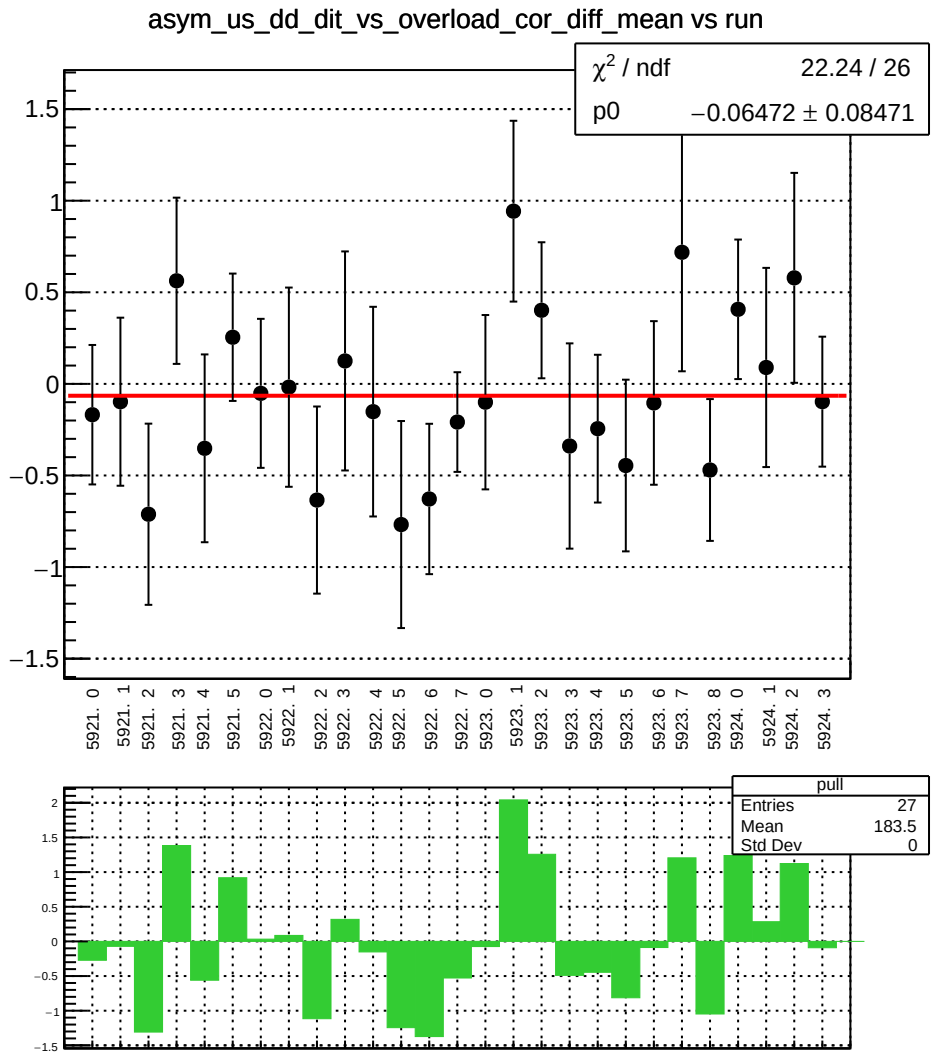

asym_us_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 15.34 / 26
p0 −0.02191 ± 0.04906
1
0.5
0
−0.5
−1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −3.19
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

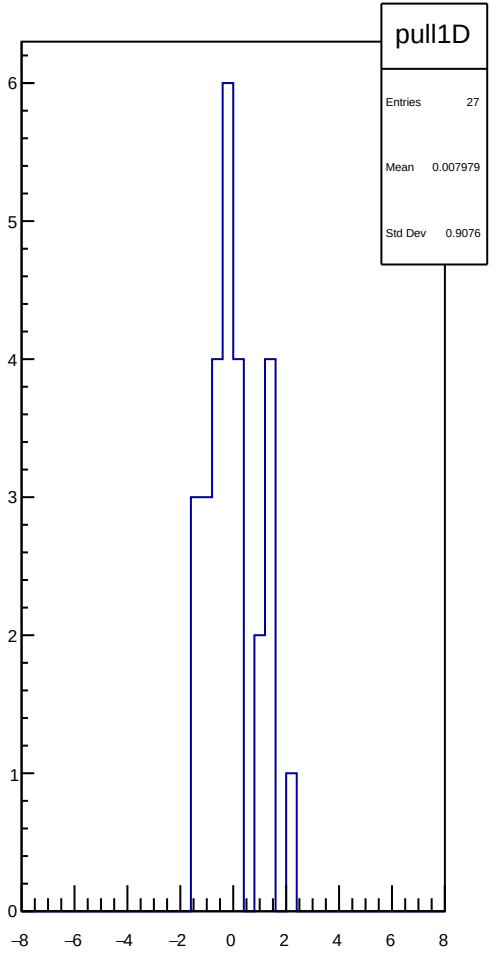

pull1D
Entries 27
Mean −0.03004
Std Dev 0.7532
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

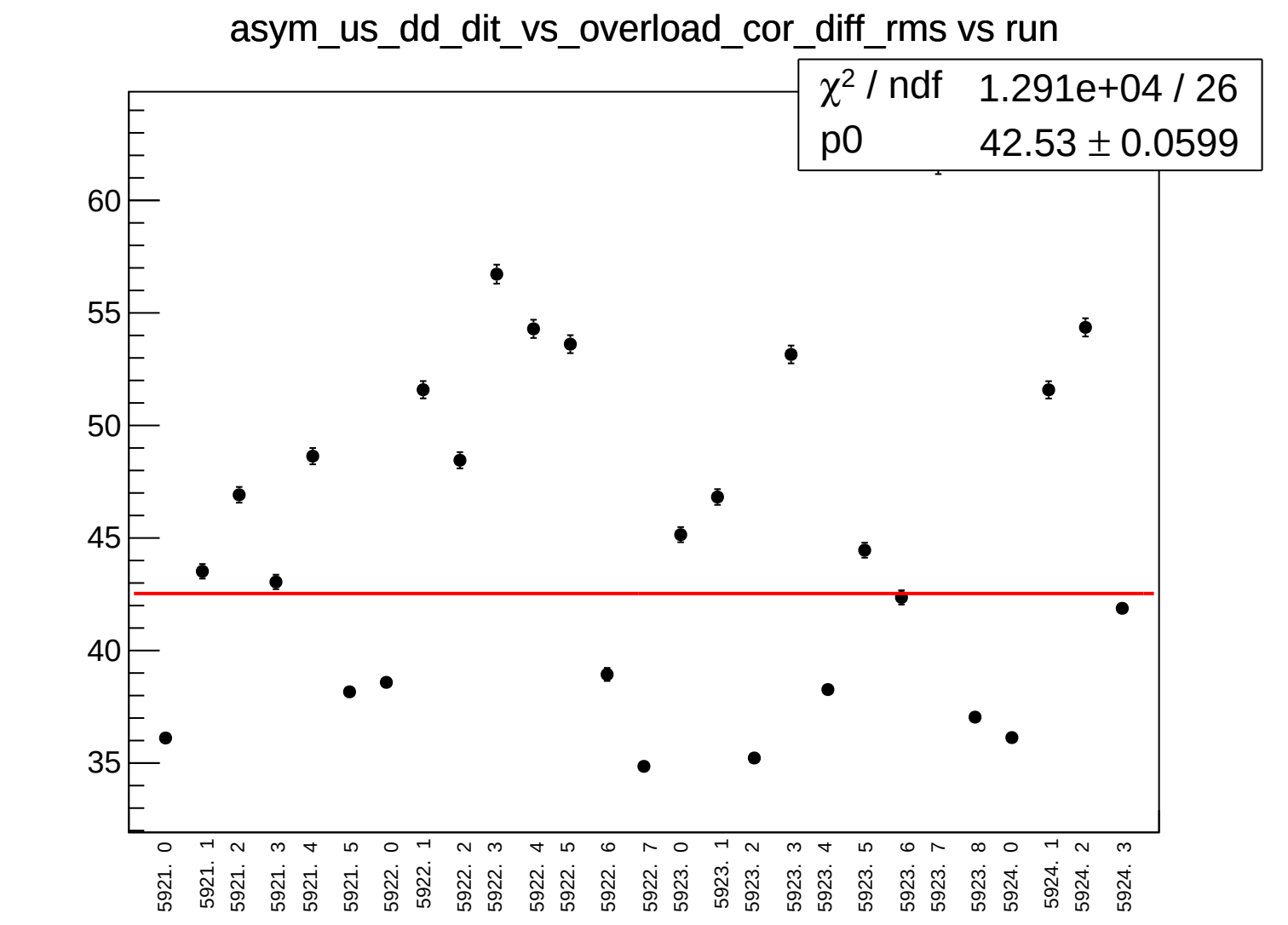

asym_us_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.708e+04 / 26
p0 24.04 ± 0.03469
40
35
30
25
20
15
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

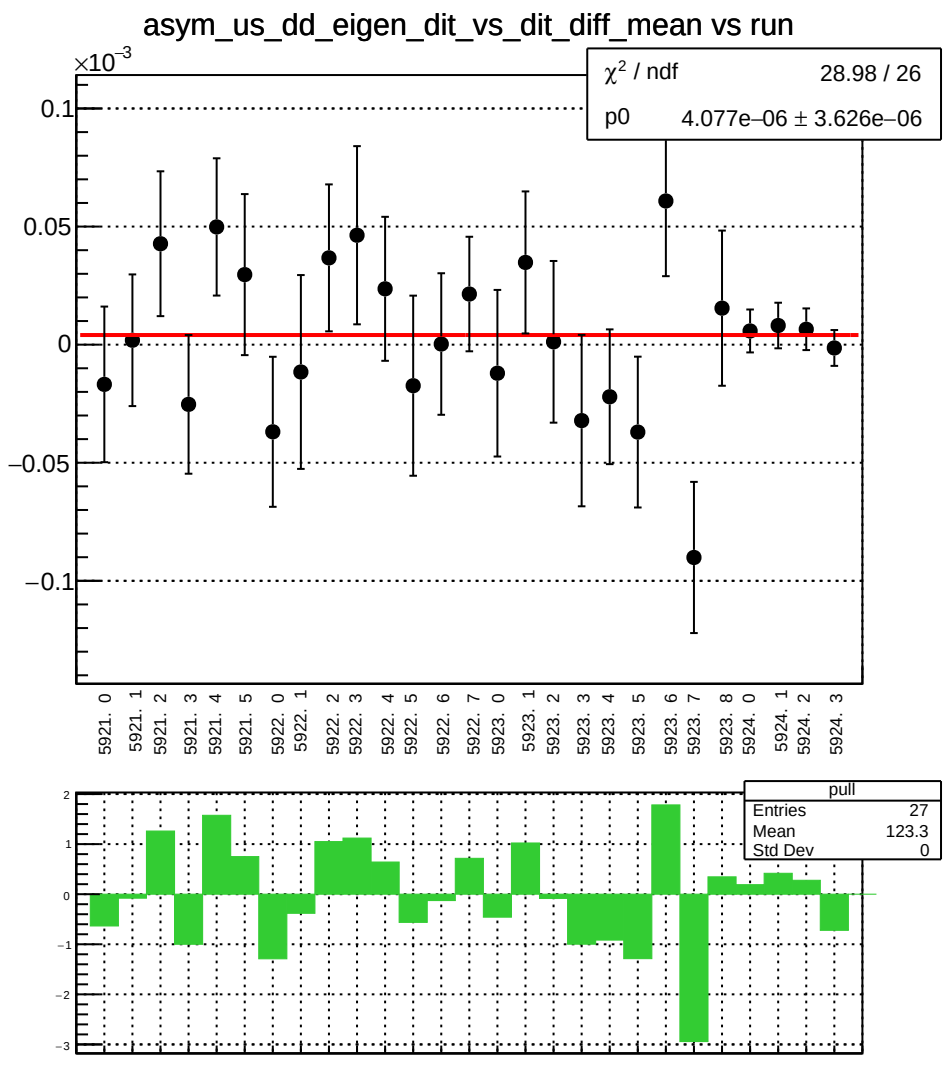

asym_us_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 15.34 / 26
p0 −0.02191 ± 0.04906
1
0.5
0
−0.5
−1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −3.19
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.03004
Std Dev 0.7532
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

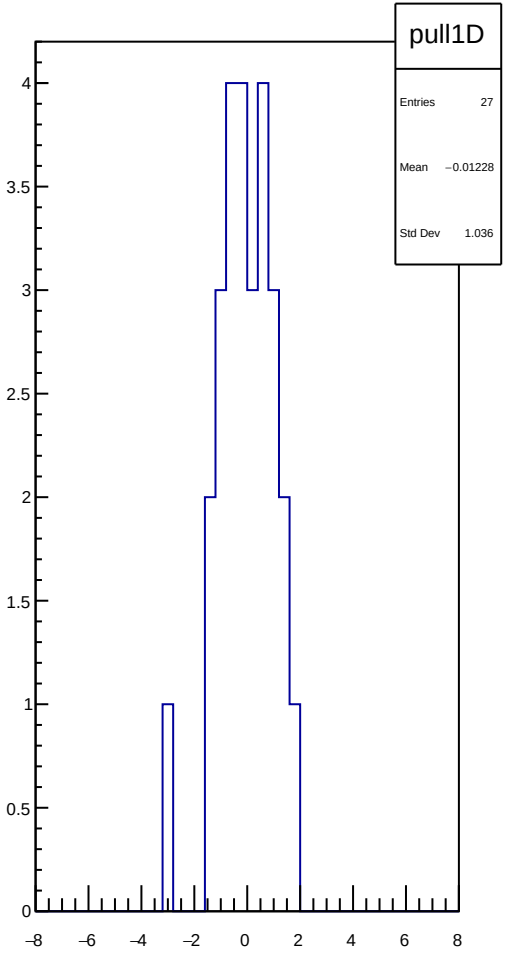

asym_us_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.708e+04 / 26
p0 24.04 ± 0.03469
40
35
30
25
20
15
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

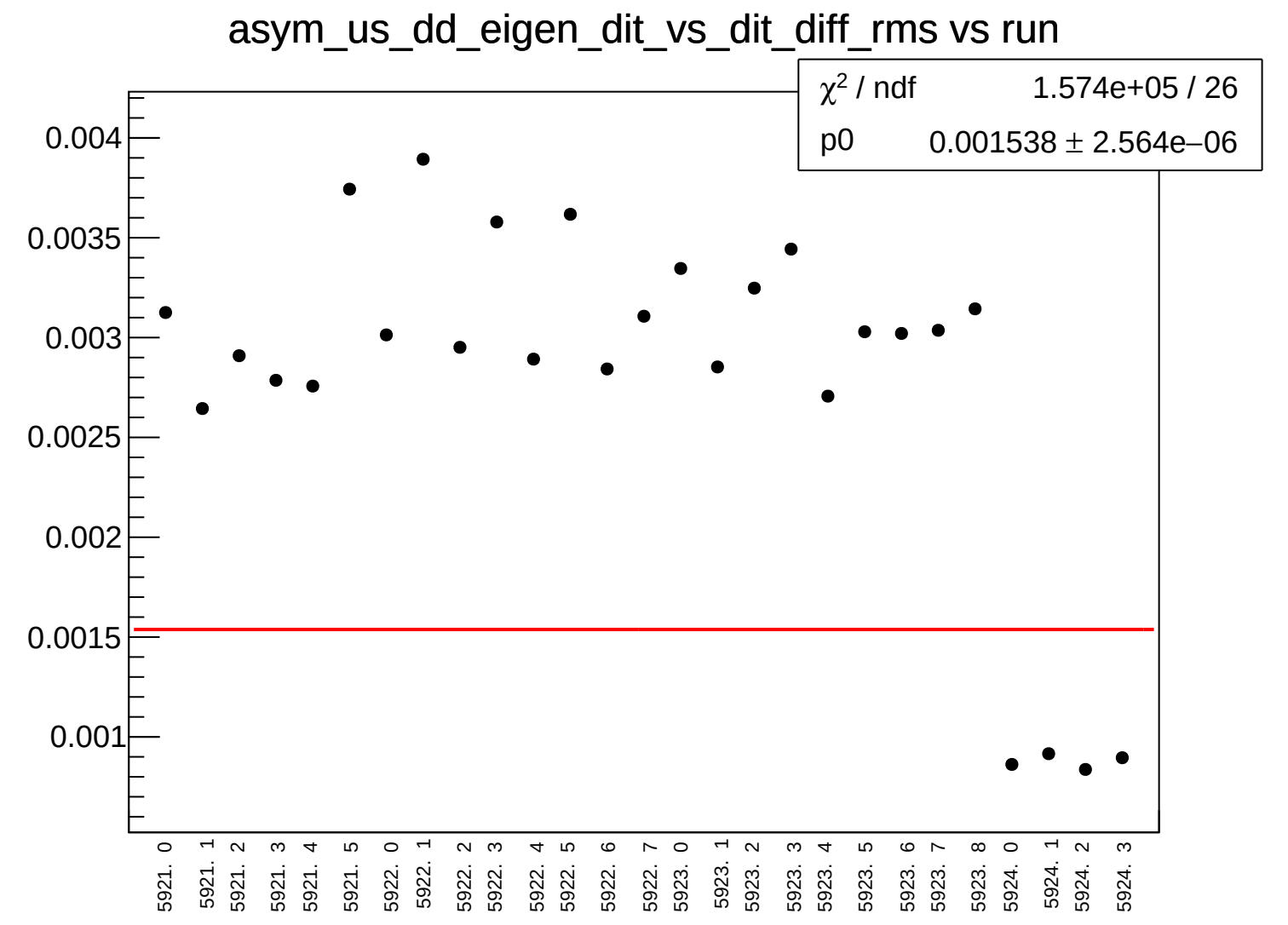

asym_us_dd_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 22.24 / 26
p0 −0.06472 ± 0.08471
1.5
1
0.5
0
−0.5
−1
−1.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 183.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

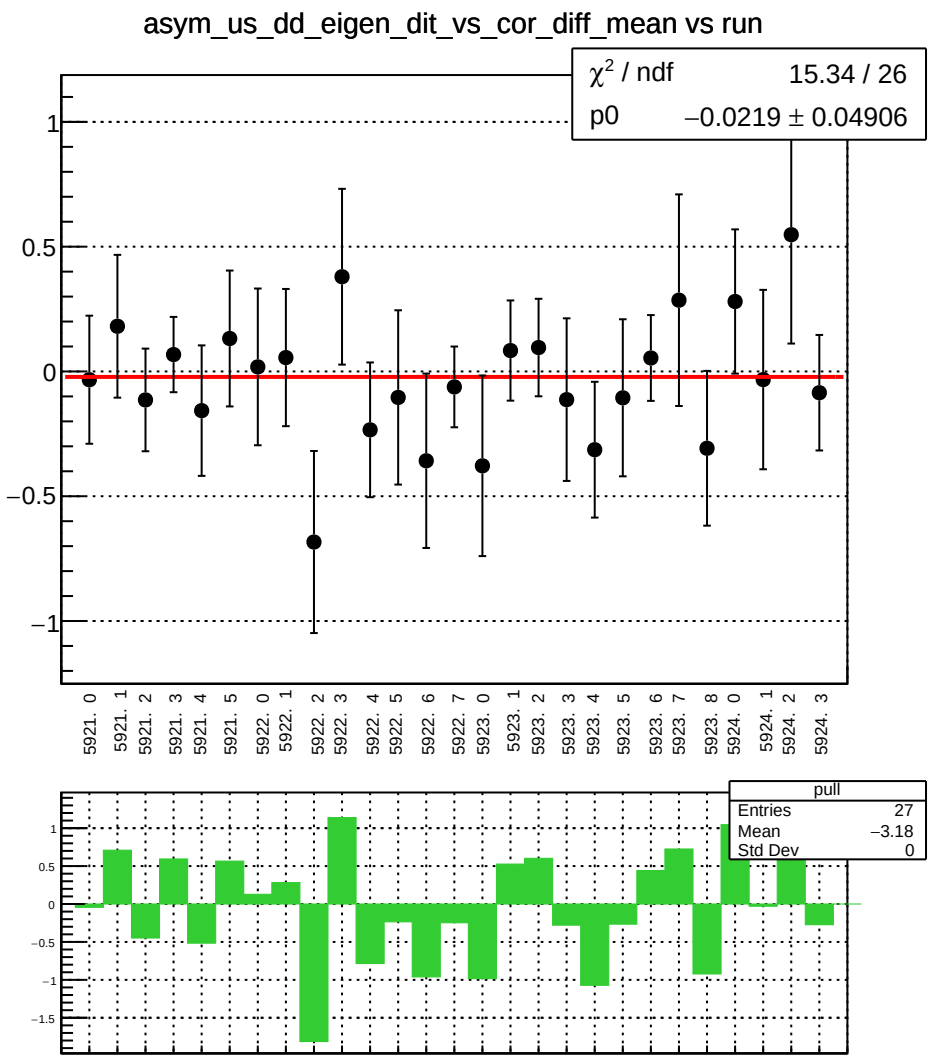

pull1D
Entries 27
Mean 0.007979
Std Dev 0.9076
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

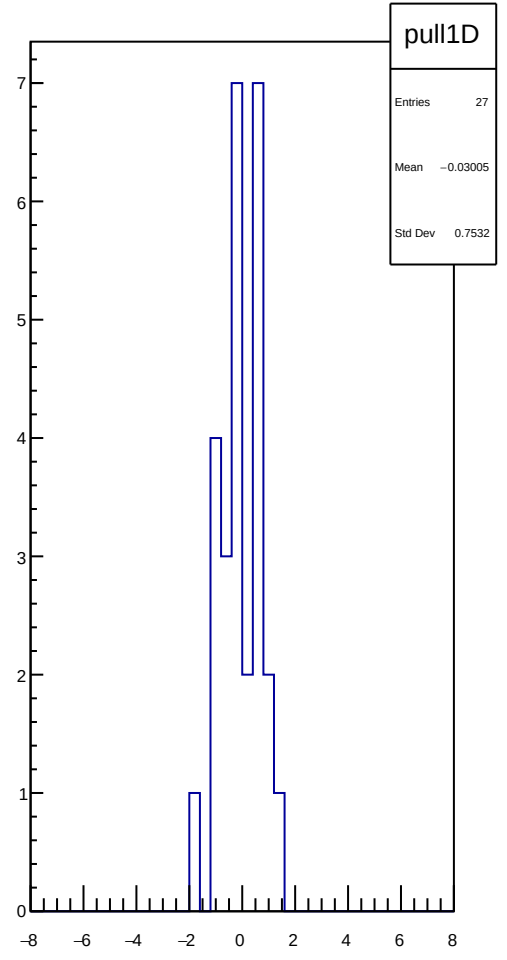

asym_us_dd_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 1.291e+04 / 26
p0 42.53 ± 0.0599
60
55
50
45
40
35
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

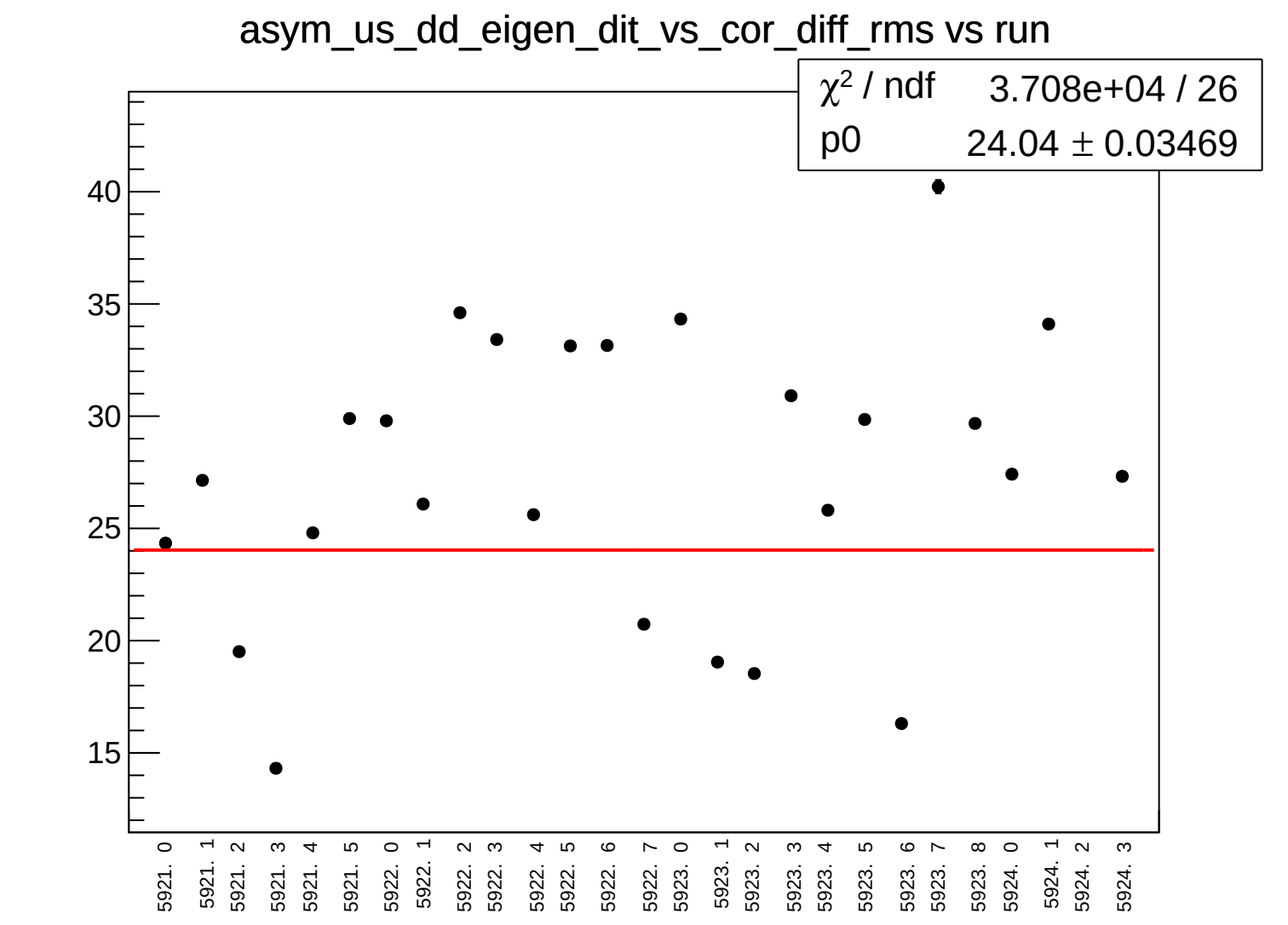

asym_us_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 28.98 / 26
p0 4.077e−06 ± 3.626e−06
0.1
0.05
0
−0.05
−0.1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 123.3
Std Dev 0
2
1
0
−1
−2
−3

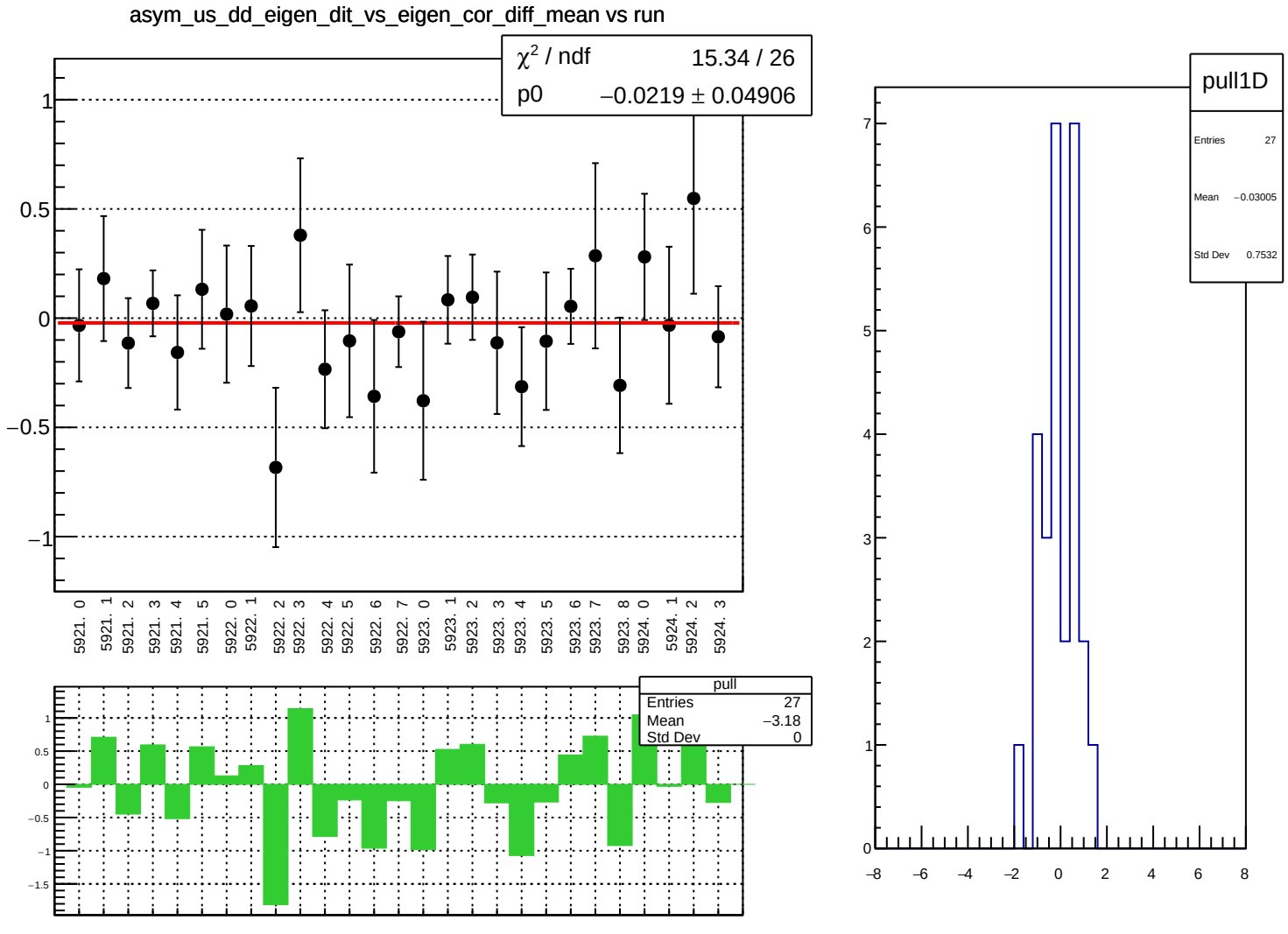

pull1D
Entries 27
Mean −0.01228
Std Dev 1.036
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

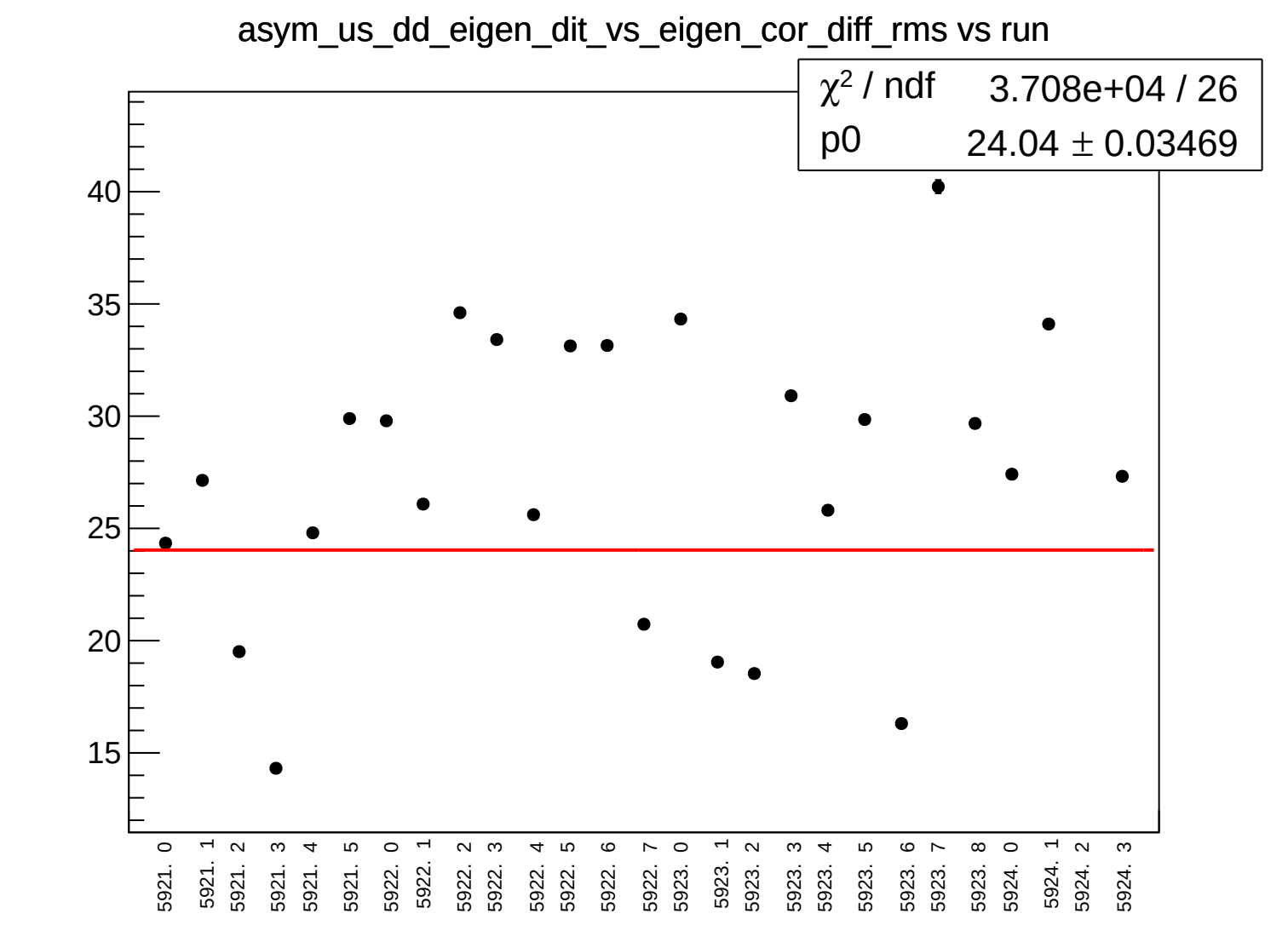

asym_us_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.574e+05 / 26
p0 0.001538 ± 2.564e−06
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

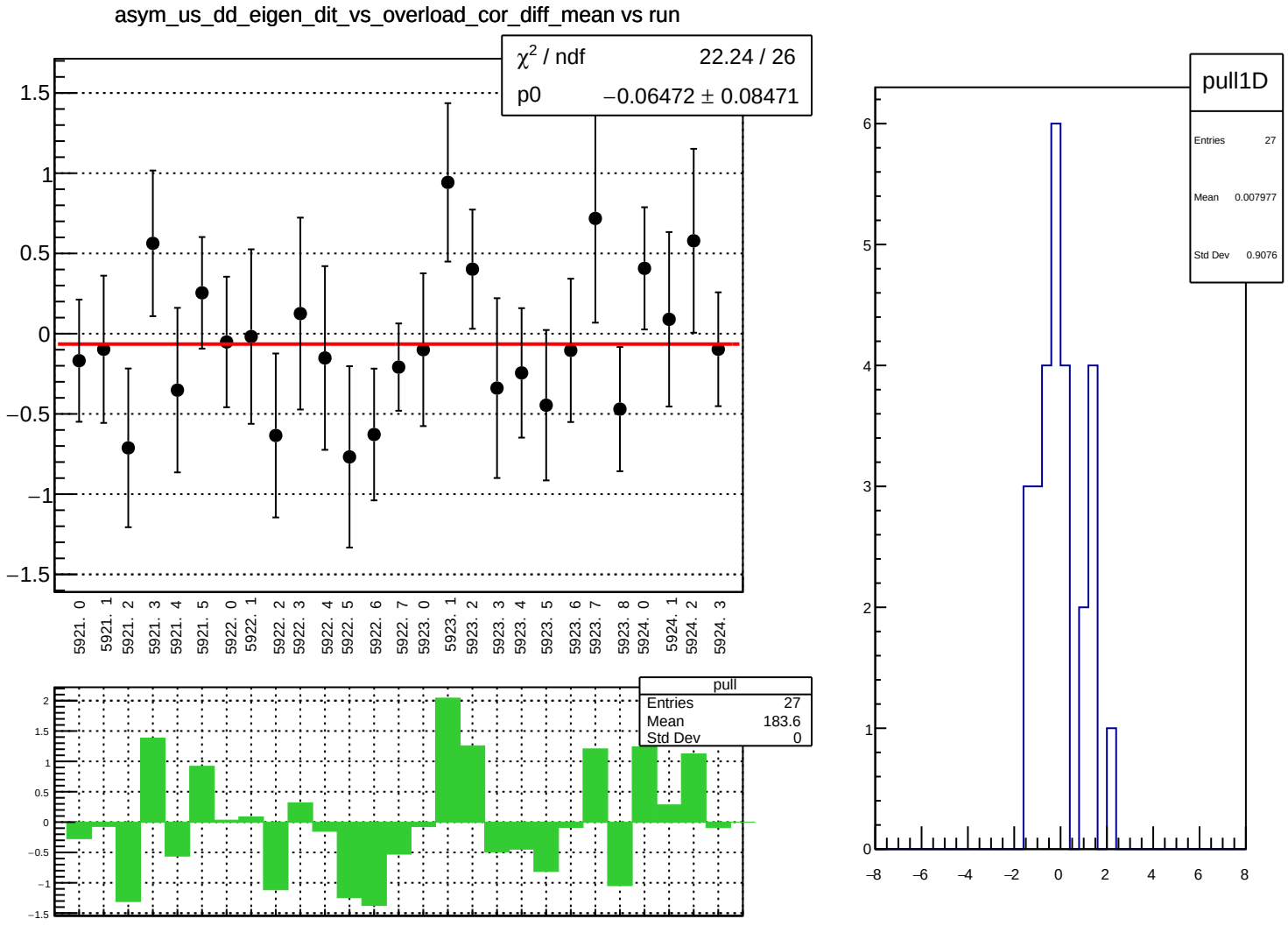

asym_us_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 15.34 / 26
p0 −0.0219 ± 0.04906
1
0.5
0
−0.5
−1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −3.18
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

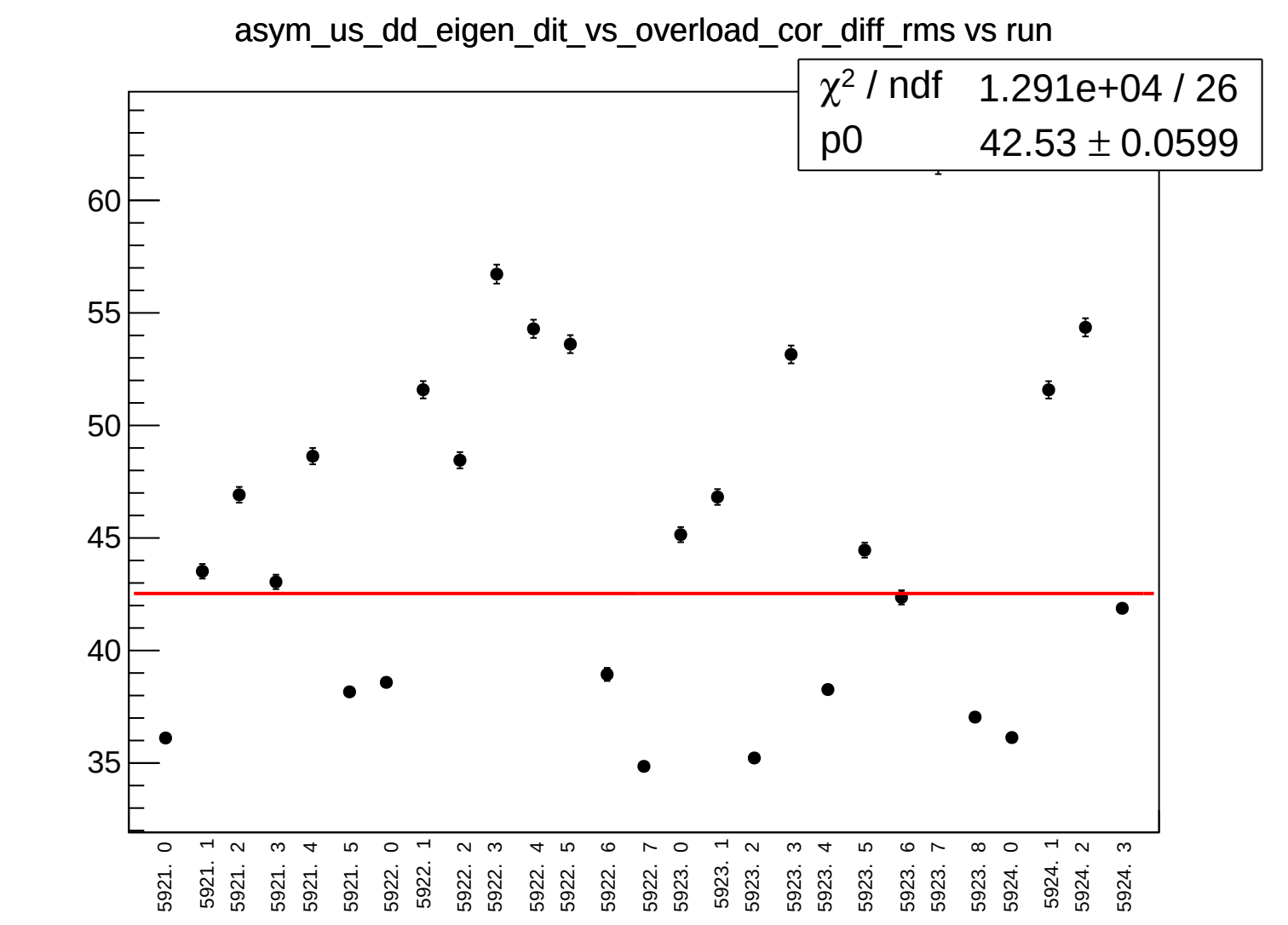

pull1D
Entries 27
Mean −0.03005
Std Dev 0.7532
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

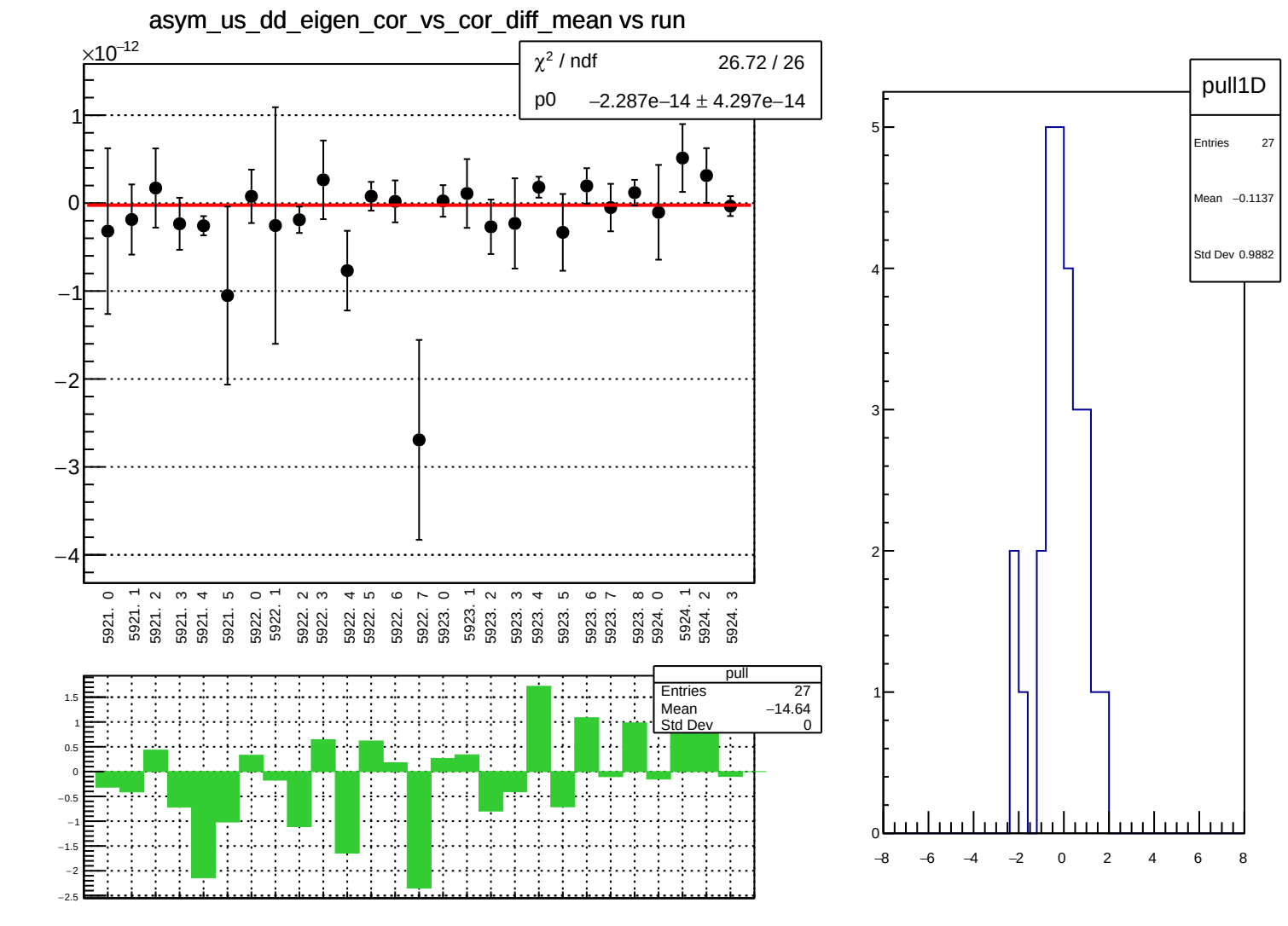

asym_us_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.708e+04 / 26
p0 24.04 ± 0.03469
40
35
30
25
20
15
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

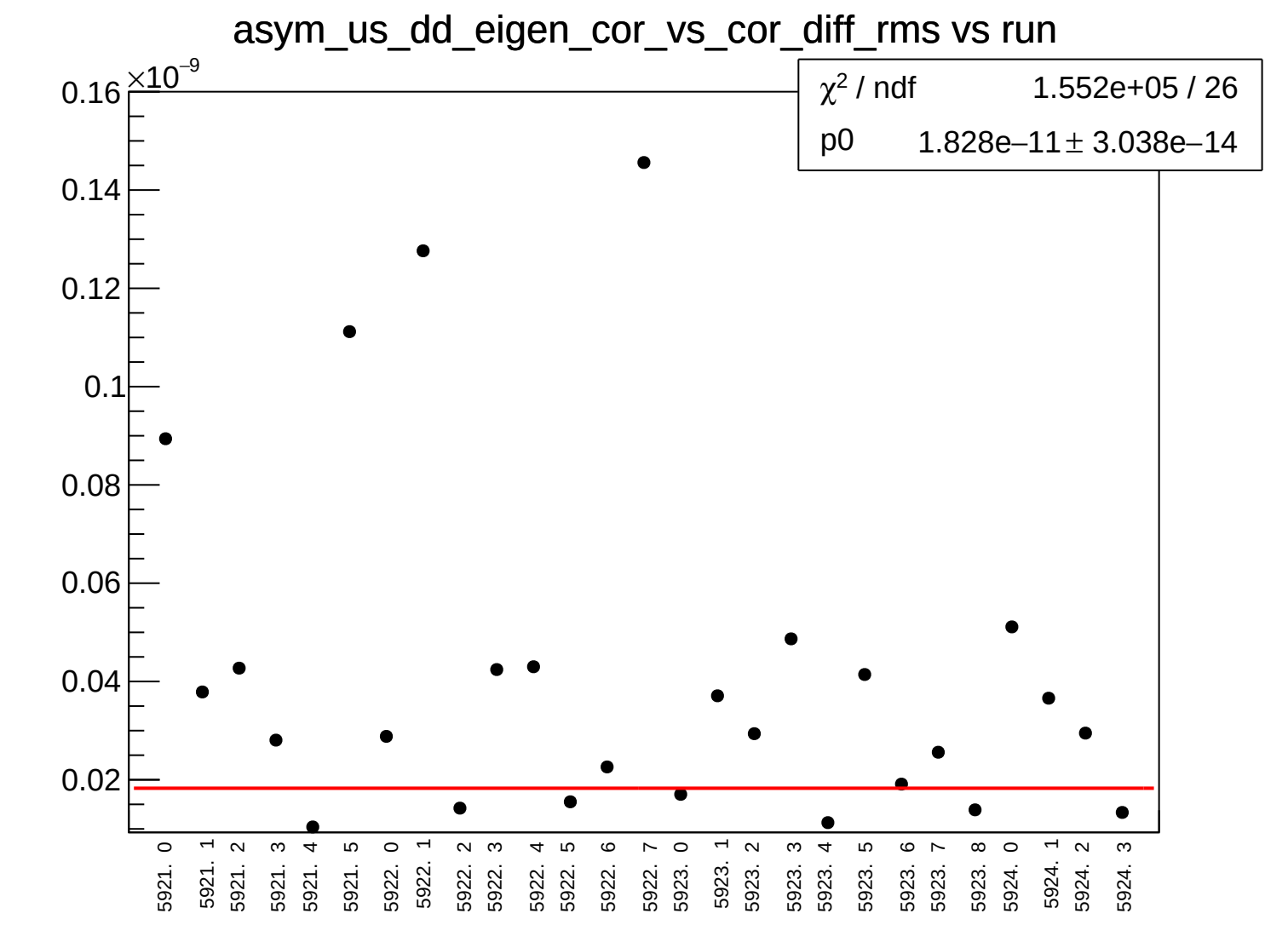

asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 15.34 / 26
p0 −0.0219 ± 0.04906
1
0.5
0
−0.5
−1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −3.18
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.03005
Std Dev 0.7532
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

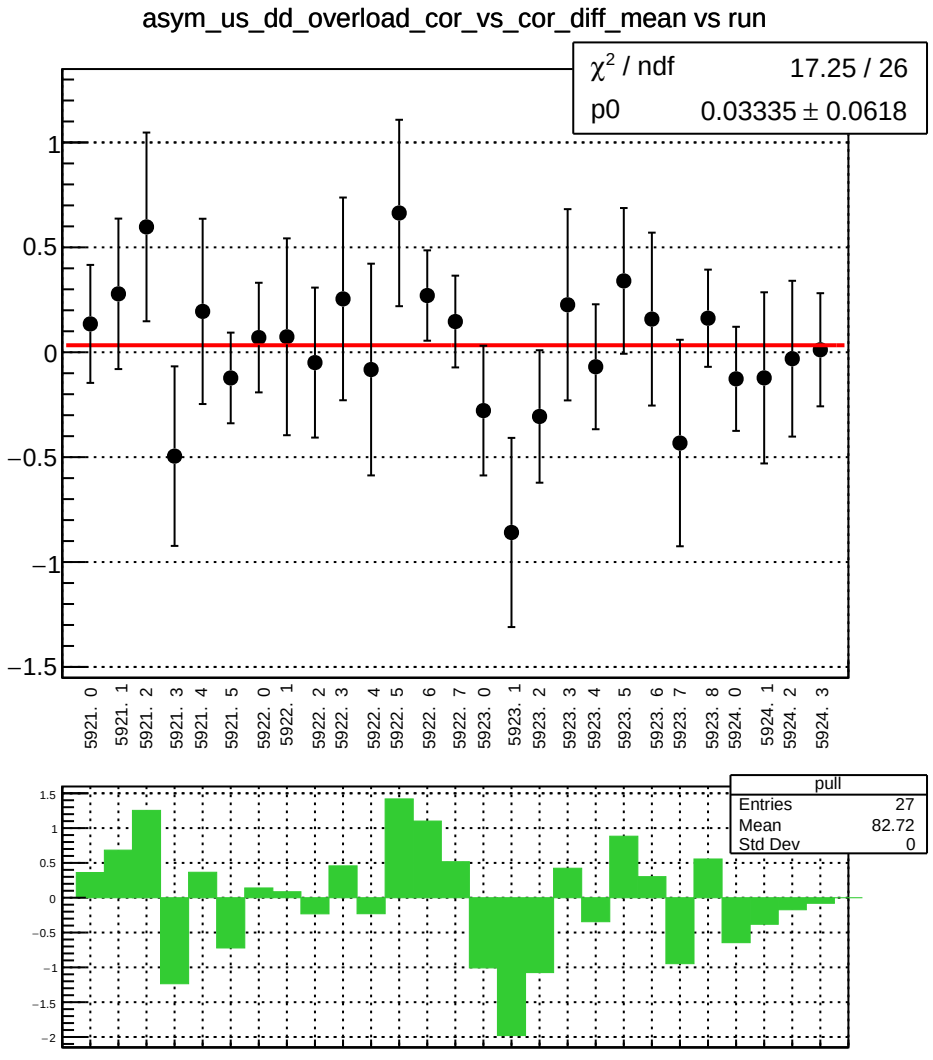

asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.708e+04 / 26
p0 24.04 ± 0.03469
40
35
30
25
20
15
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

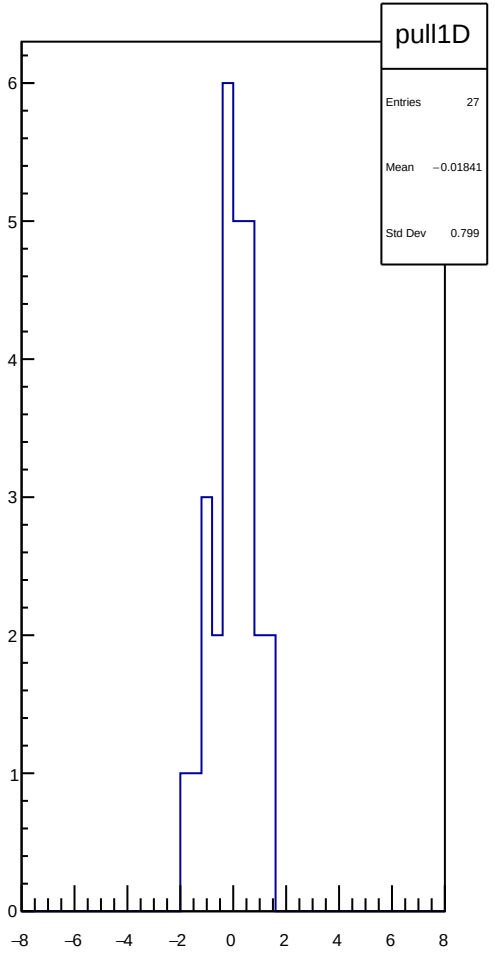

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 22.24 / 26
p0 −0.06472 ± 0.08471
1.5
1
0.5
0
−0.5
−1
−1.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 183.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.007977
Std Dev 0.9076
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

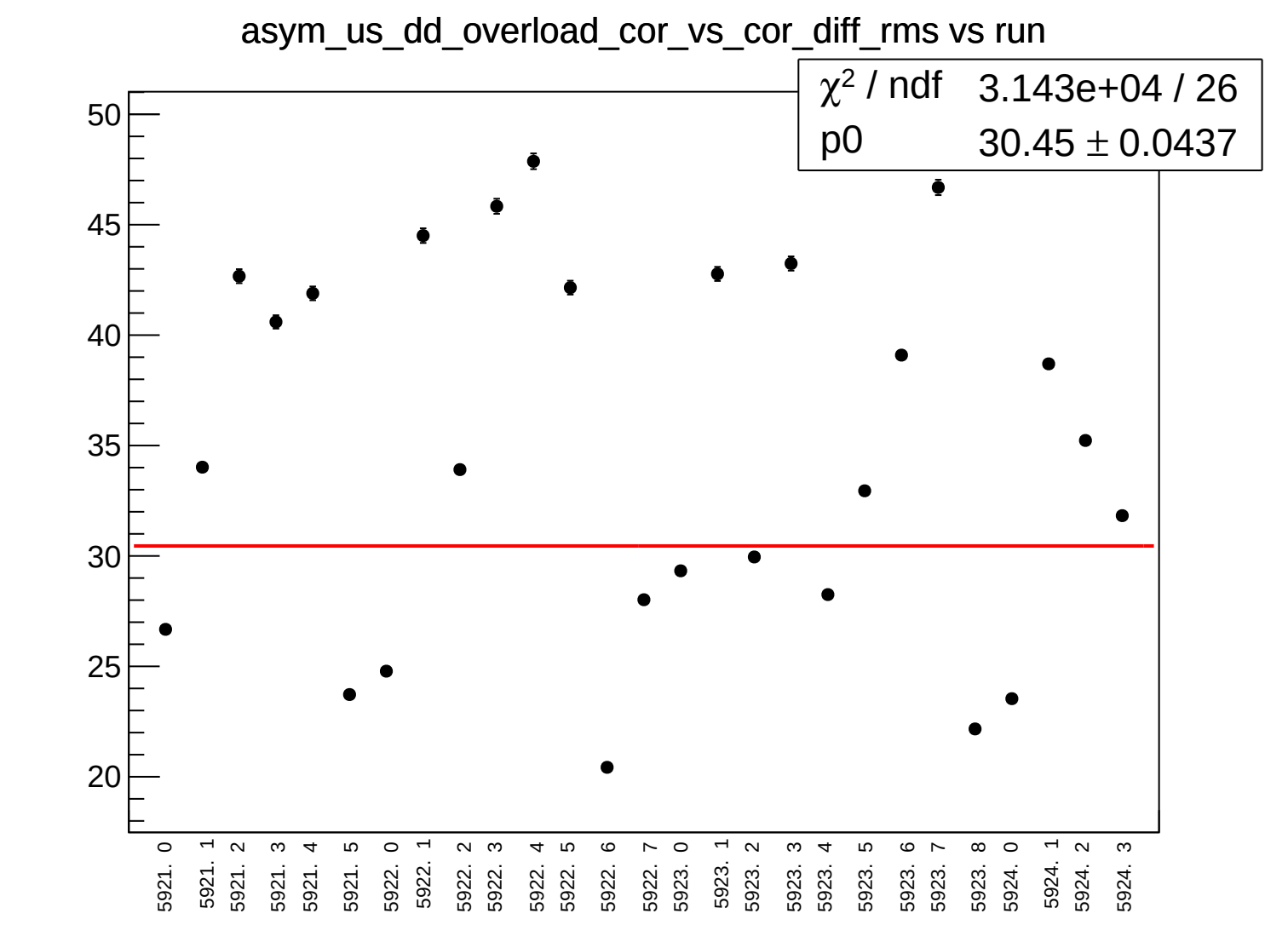

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 1.291e+04 / 26
p0 42.53 ± 0.0599
60
55
50
45
40
35
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

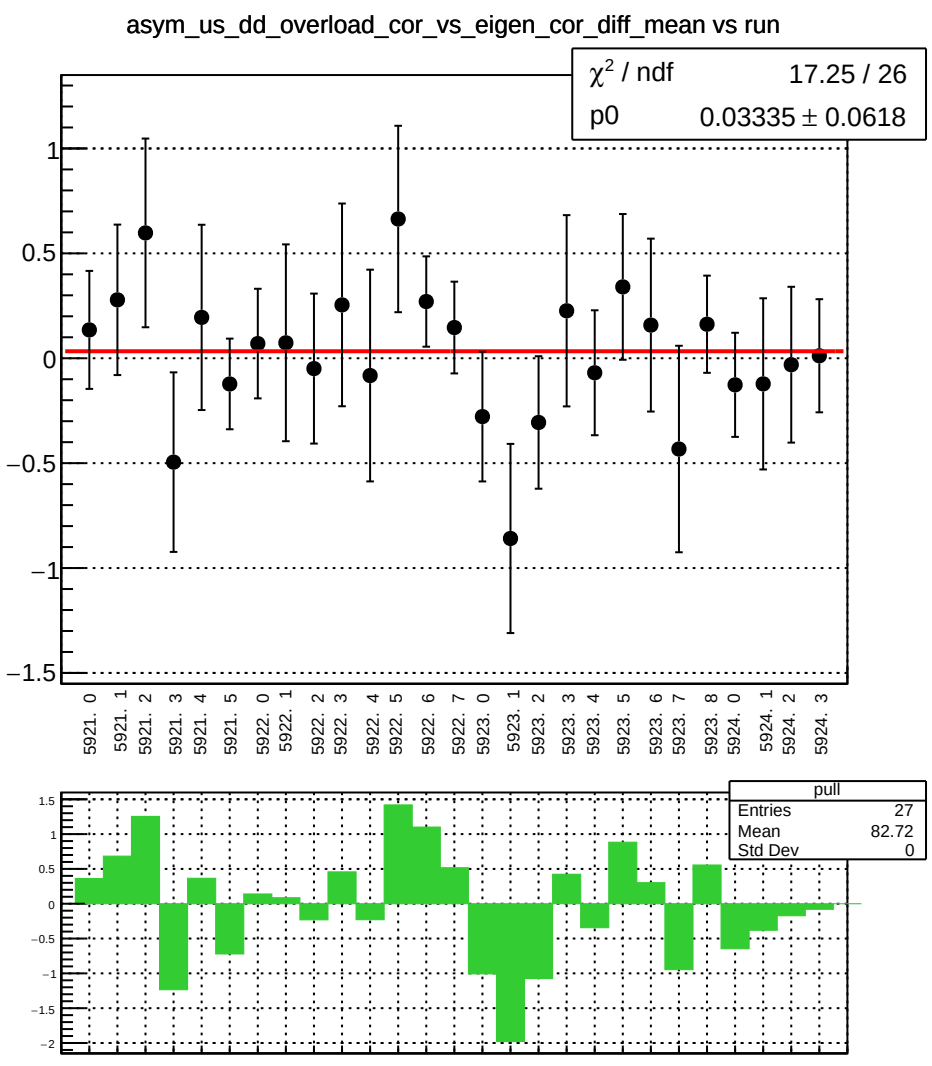

asym_us_dd_eigen_cor_vs_cor_diff_mean vs run
×10^−12
χ² / ndf 26.72 / 26
p0 −2.287e−14 ± 4.297e−14
1
0
−1
−2
−3
−4
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −14.64
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean −0.1137
Std Dev 0.9882
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

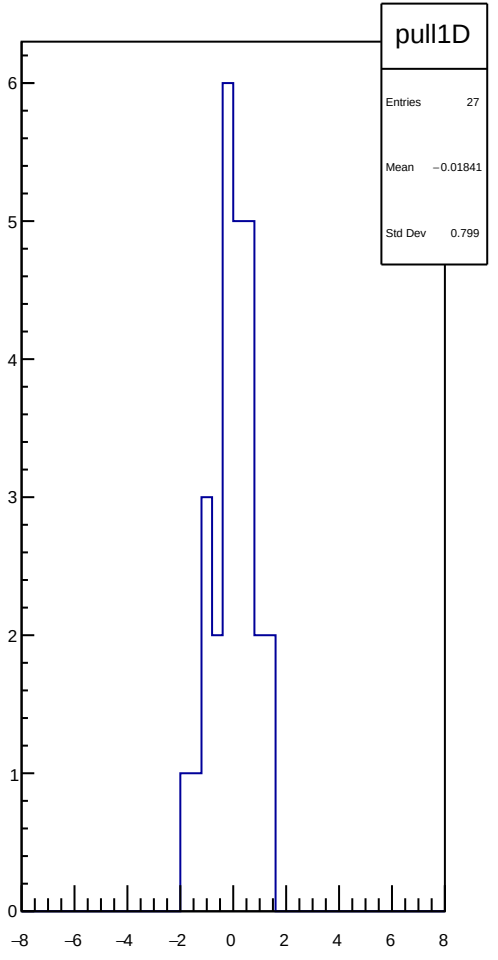

asym_us_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
χ² / ndf 1.552e+05 / 26
p0 1.828e−11 ± 3.038e−14
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

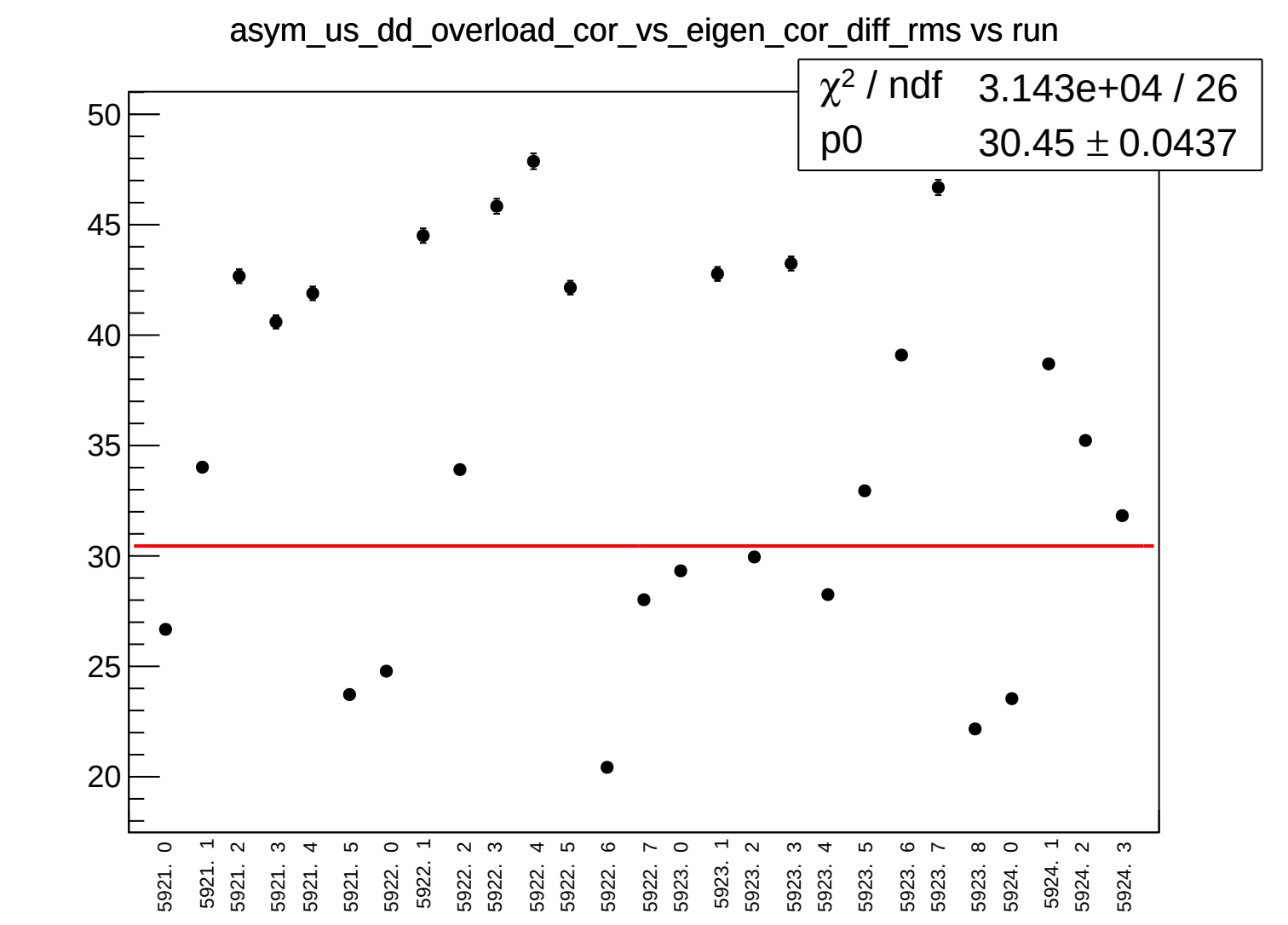

asym_us_dd_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 17.25 / 26
p0 0.03335 ± 0.0618
1
0.5
0
−0.5
−1
−1.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 82.72
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

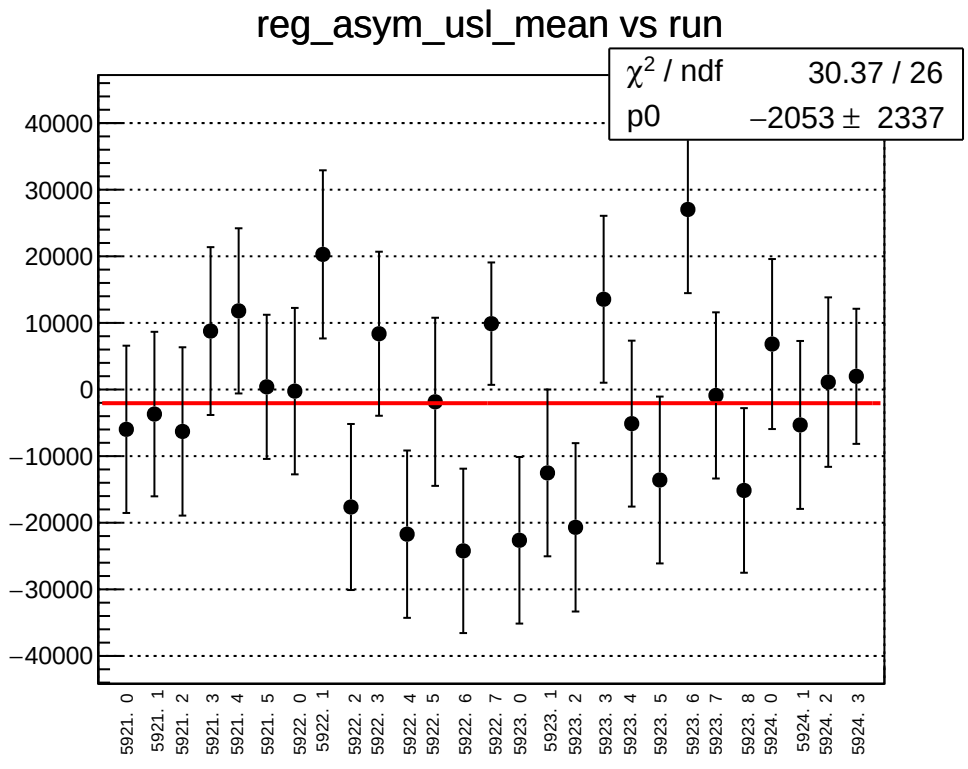

pull1D
Entries 27
Mean −0.01841
Std Dev 0.799
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

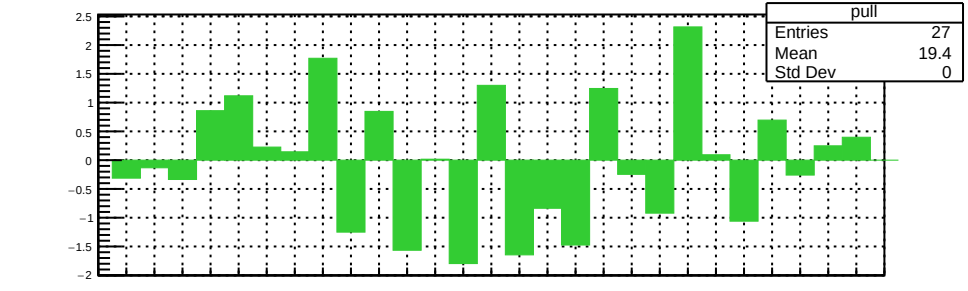

asym_us_dd_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 3.143e+04 / 26
p0 30.45 ± 0.0437
50
45
40
35
30
25
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

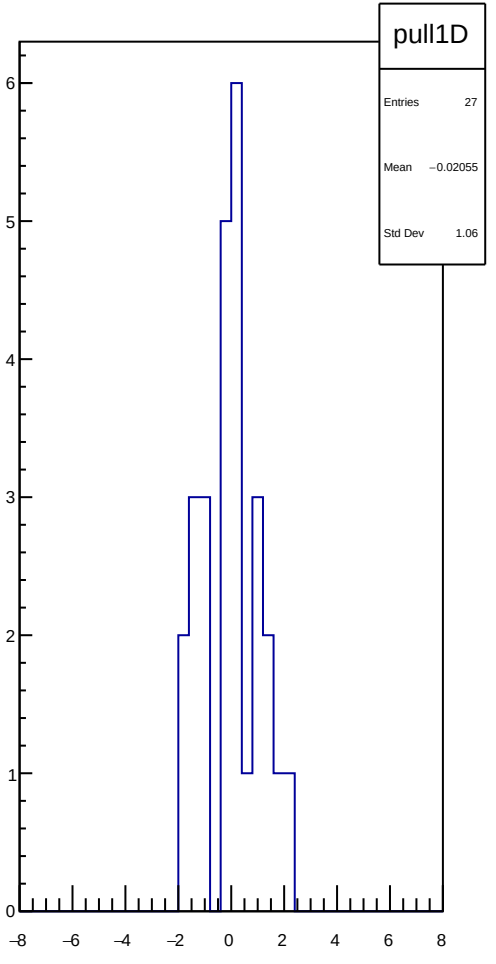

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 17.25 / 26
p0 0.03335 ± 0.0618
1
0.5
0
−0.5
−1
−1.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 82.72
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

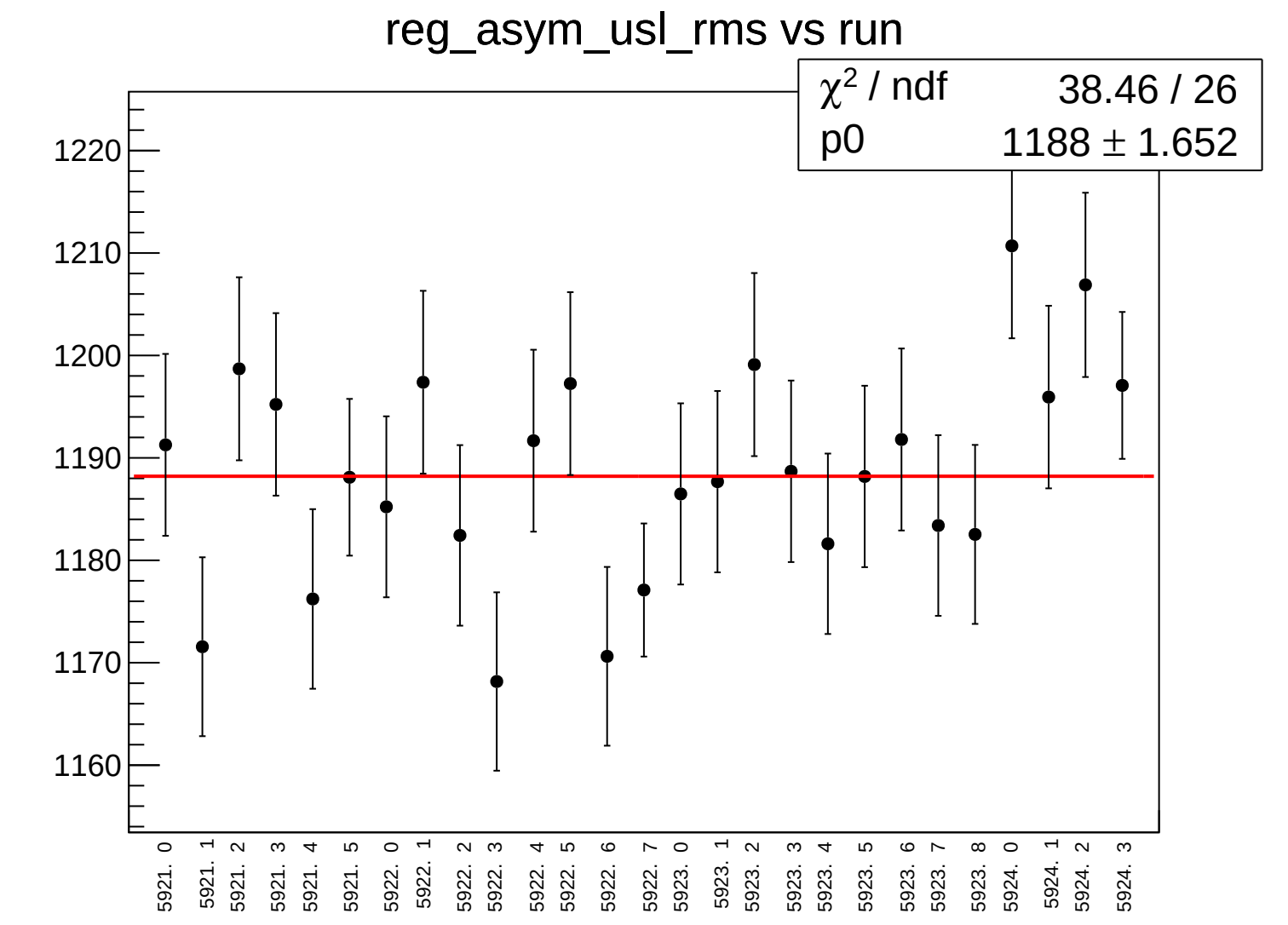

pull1D
Entries 27
Mean −0.01841
Std Dev 0.799
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

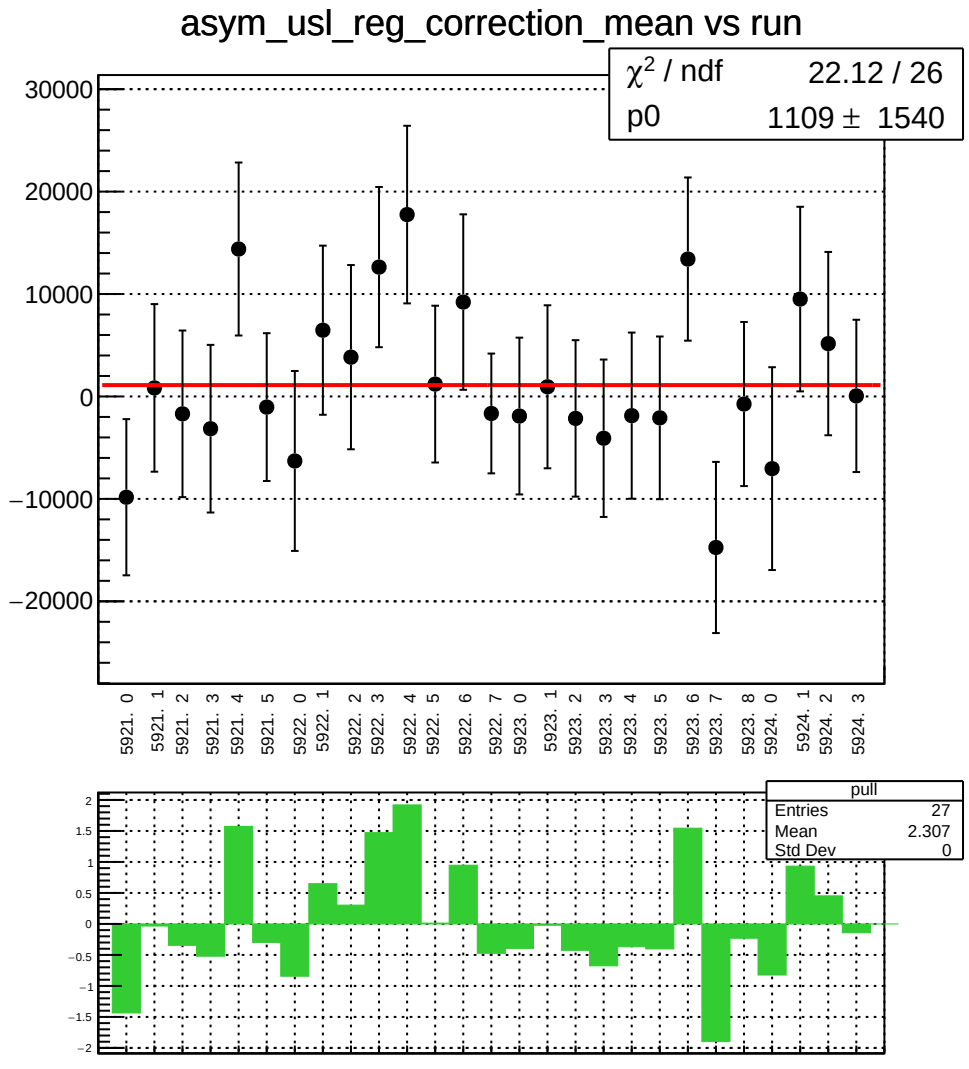

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.143e+04 / 26
p0 30.45 ± 0.0437
50
45
40
35
30
25
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

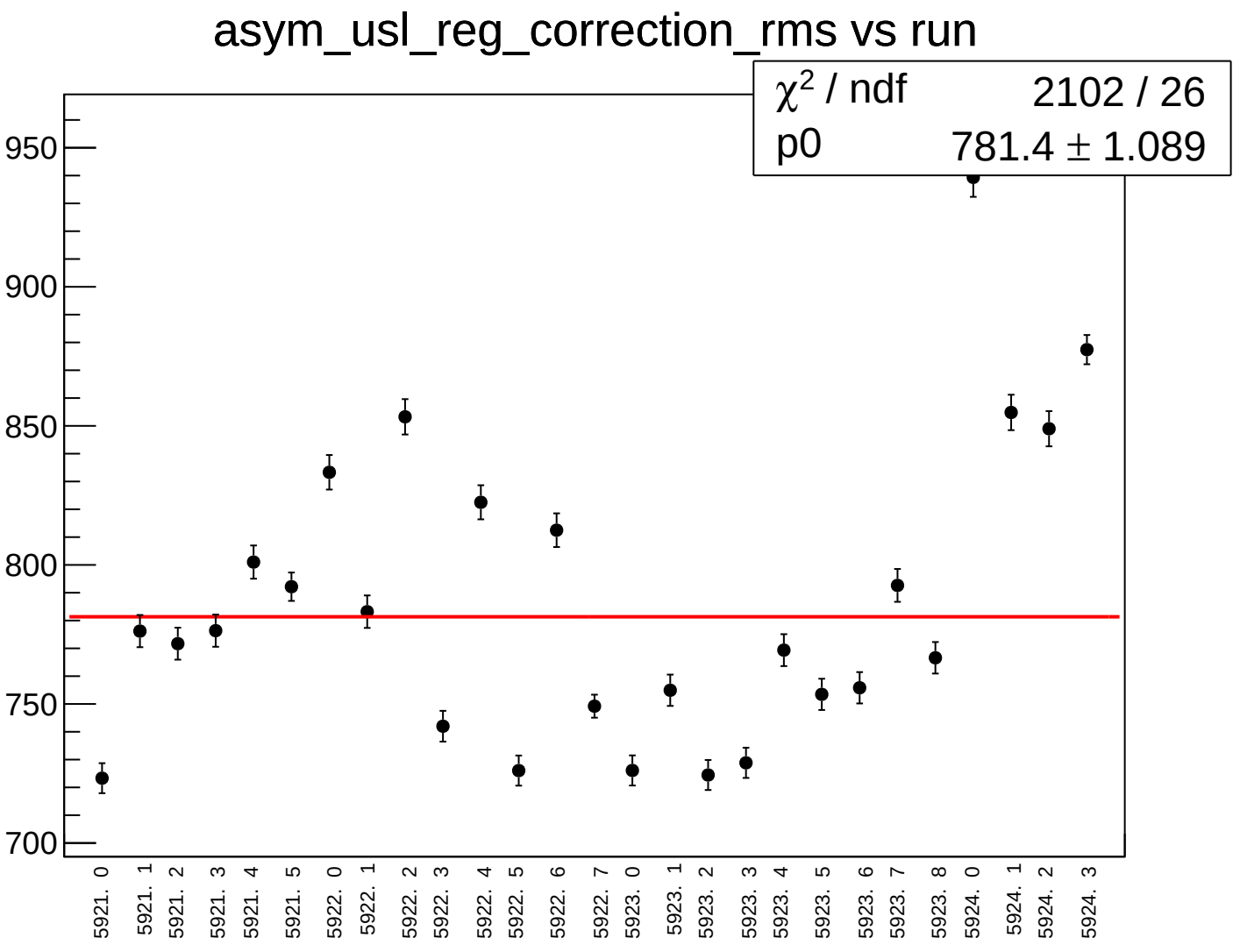

reg_asym_usl_mean vs run
χ^2 / ndf 30.37 / 26
p0 −2053 ± 2337
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

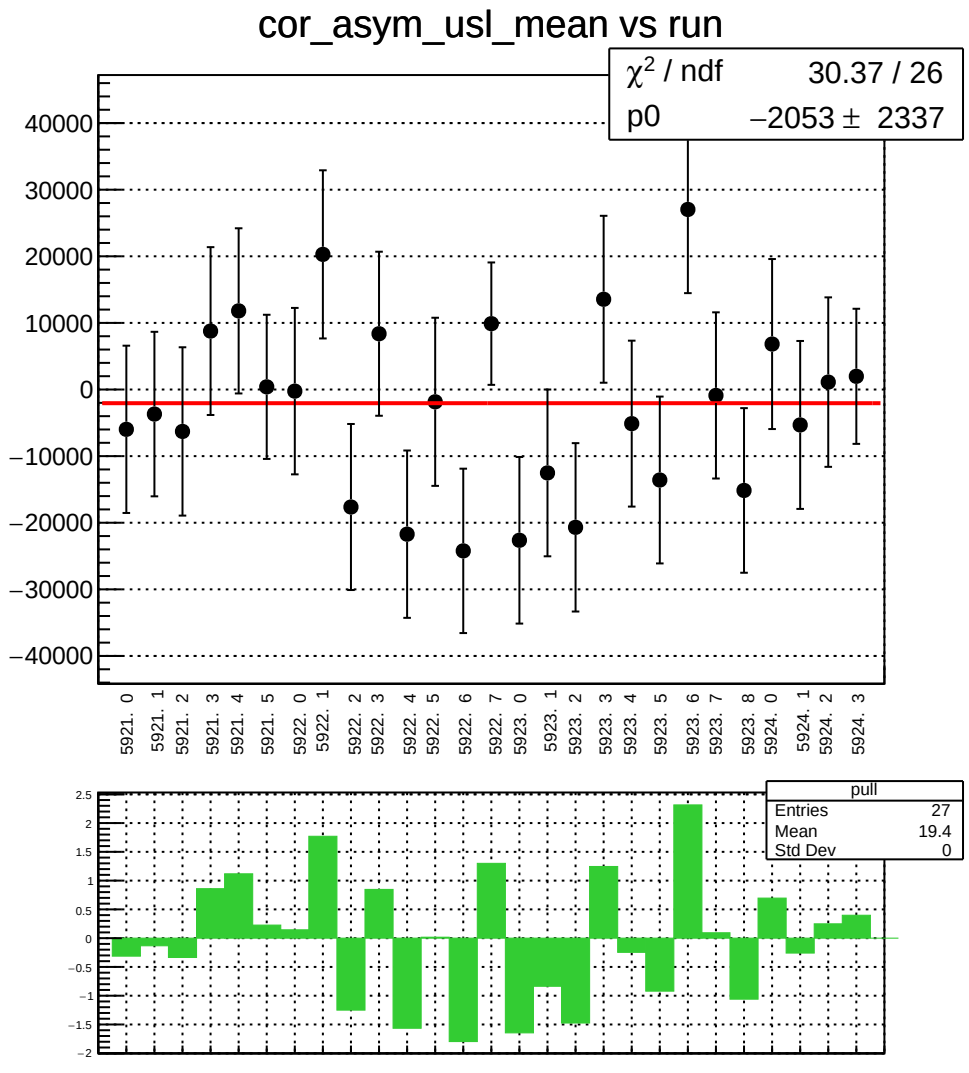

pull
Entries 27
Mean 19.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

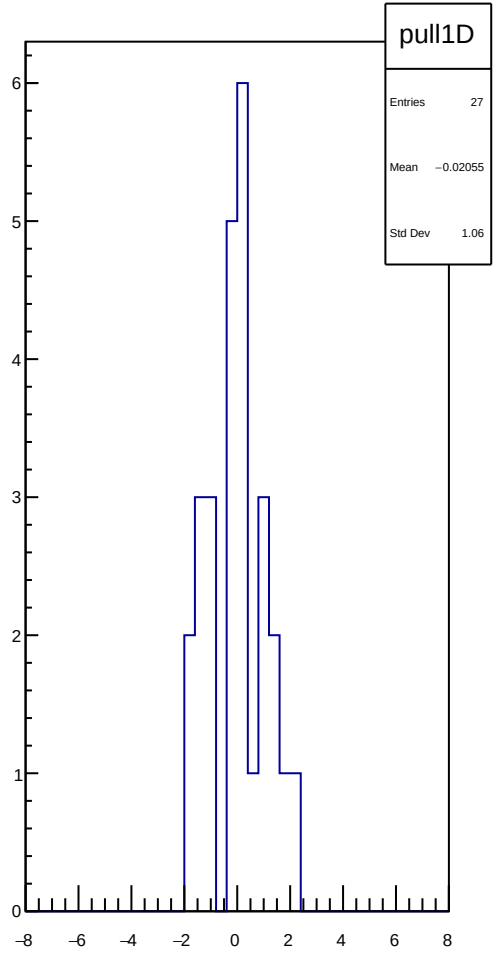

pull1D
Entries 27
Mean −0.02055
Std Dev 1.06
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

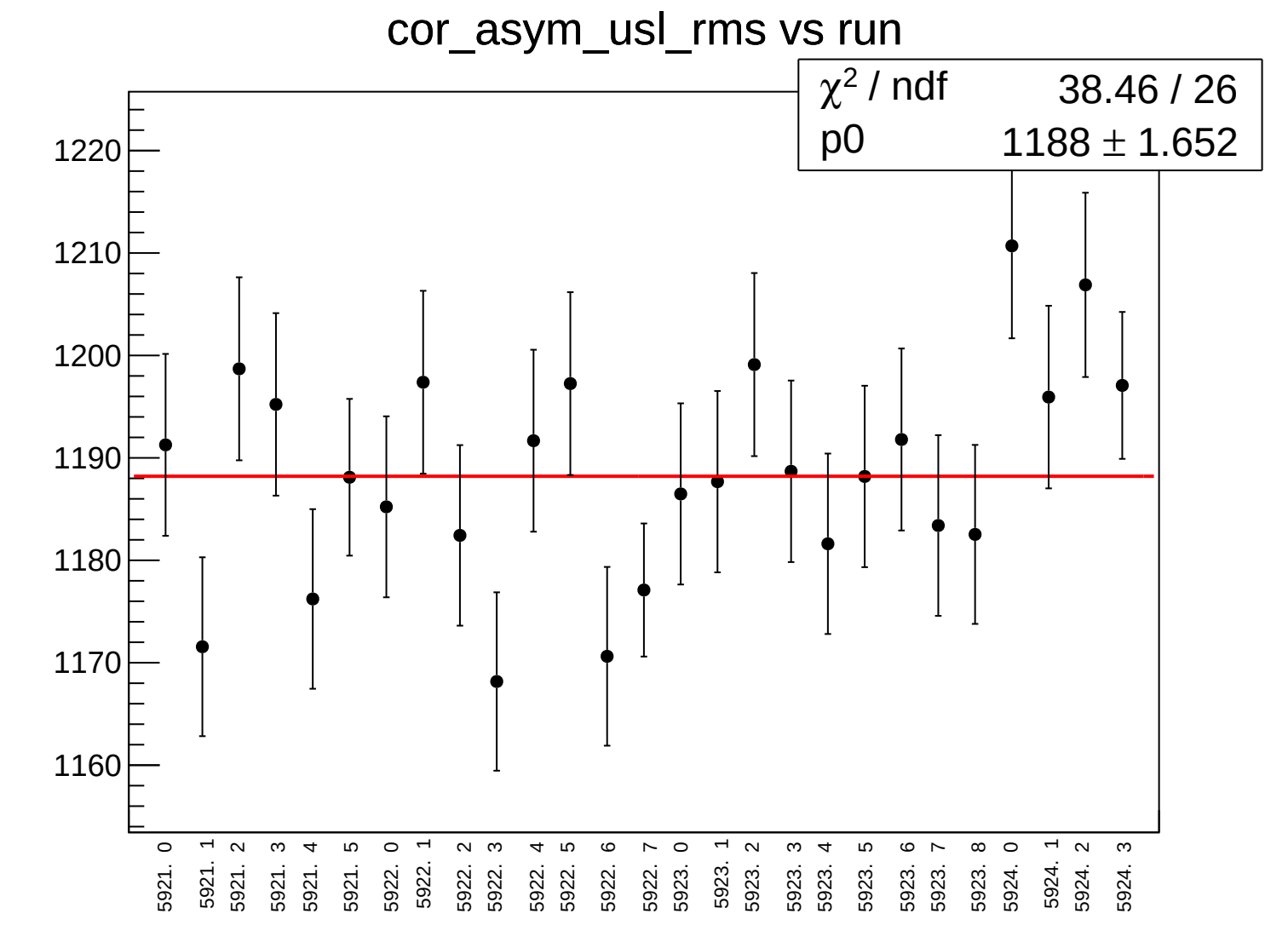

reg_asym_usl_rms vs run
χ² / ndf 38.46 / 26
p0 1188 ± 1.652
1220
1210
1200
1190
1180
1170
1160
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

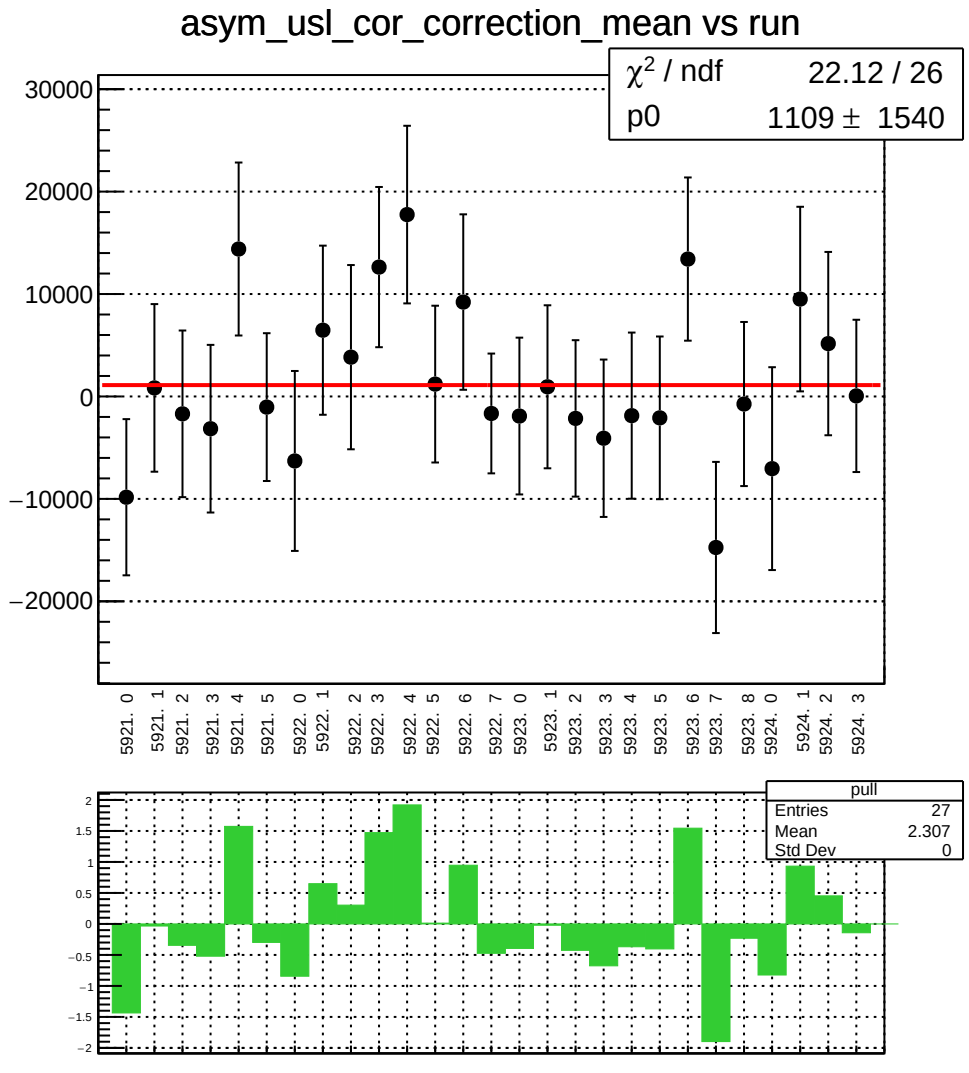

asym_usl_reg_correction_mean vs run
χ² / ndf 22.12 / 26
p0 1109 ± 1540
30000
20000
10000
0
−10000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 2.307
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean 0.01773
Std Dev 0.9049
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

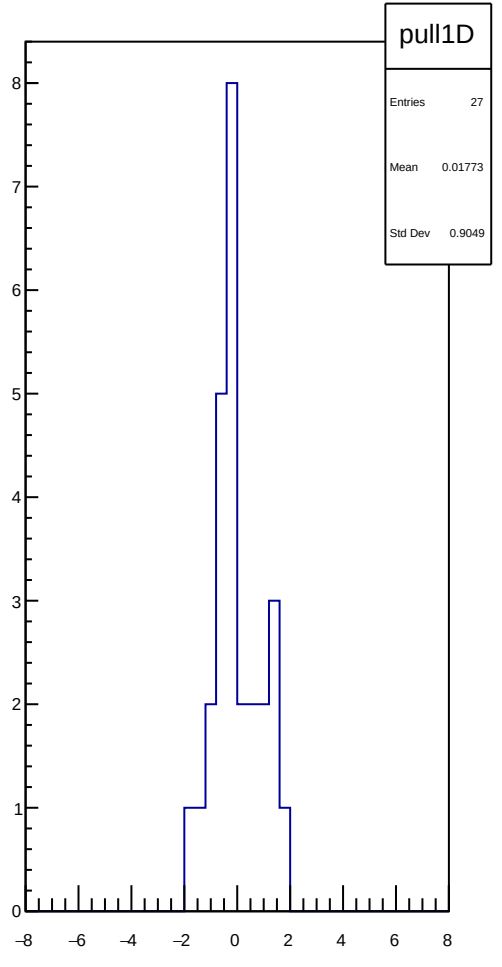

asym_usl_reg_correction_rms vs run
χ² / ndf 2102 / 26
p0 781.4 ± 1.089
950
900
850
800
750
700
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

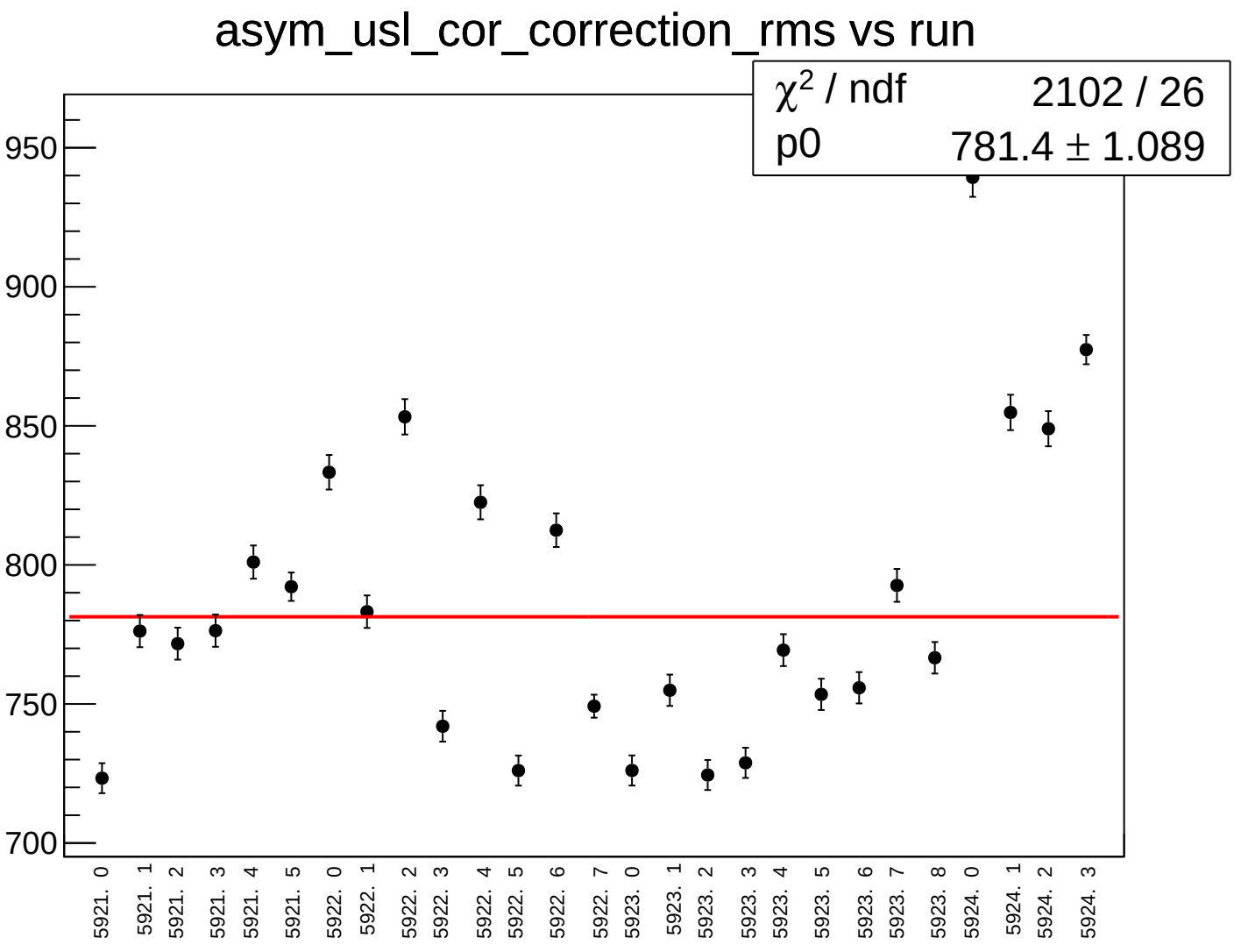

cor_asym_usl_mean vs run
χ² / ndf 30.37 / 26
p0 −2053 ± 2337
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 19.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

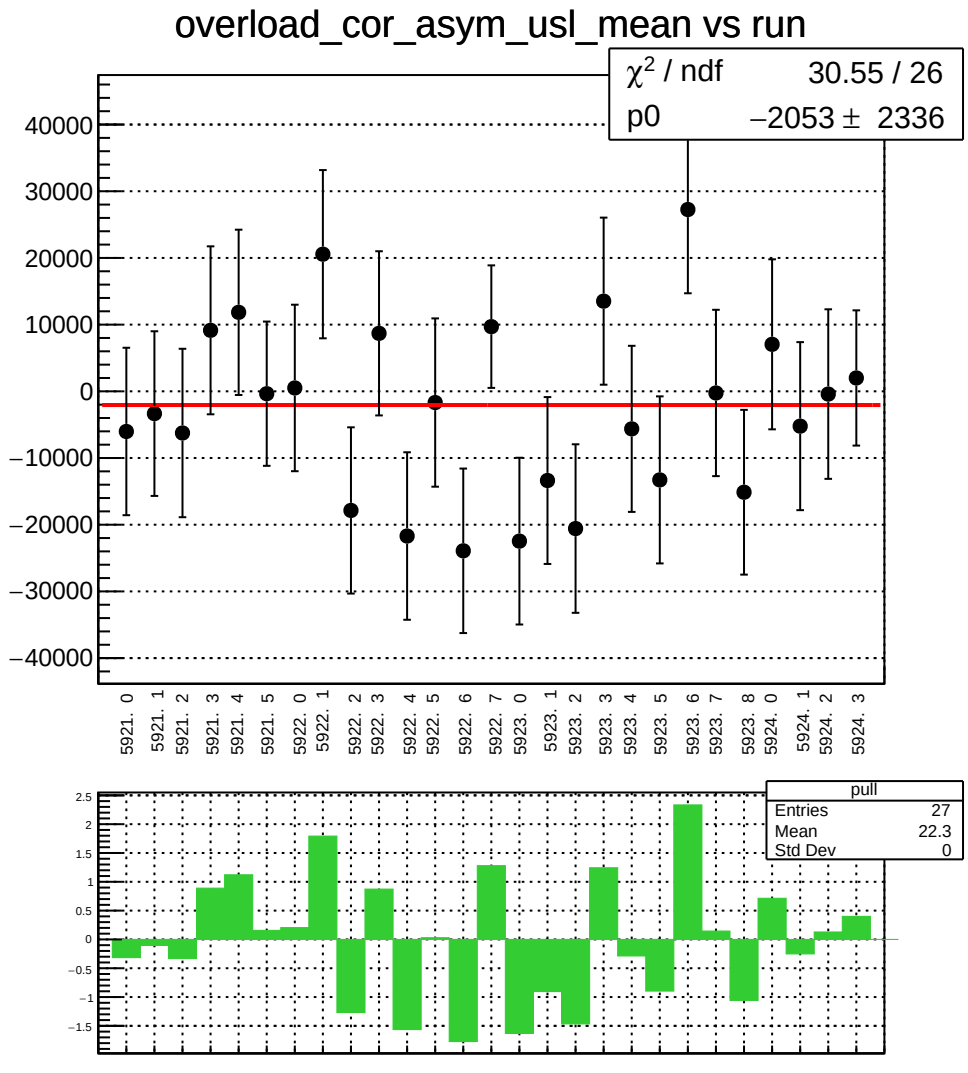

pull1D
Entries 27
Mean −0.02055
Std Dev 1.06
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

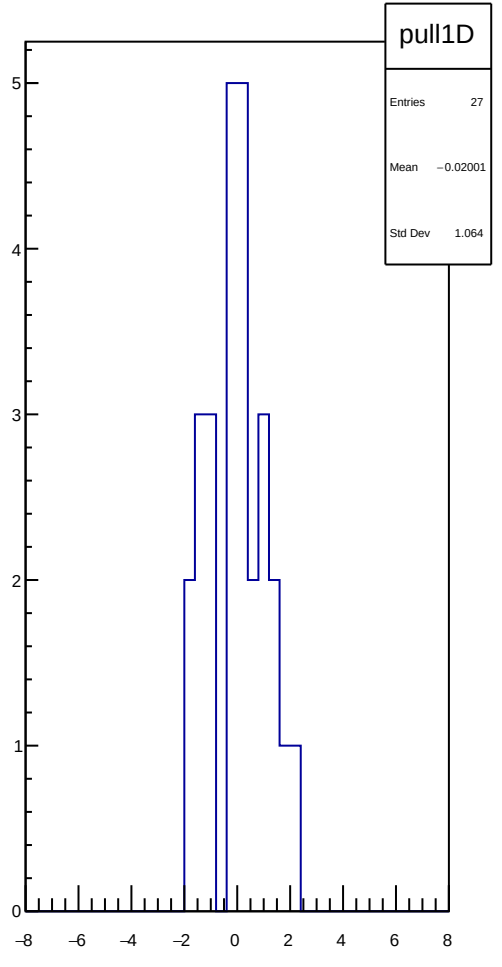

cor_asym_usl_rms vs run
χ² / ndf 38.46 / 26
p0 1188 ± 1.652
1220
1210
1200
1190
1180
1170
1160
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

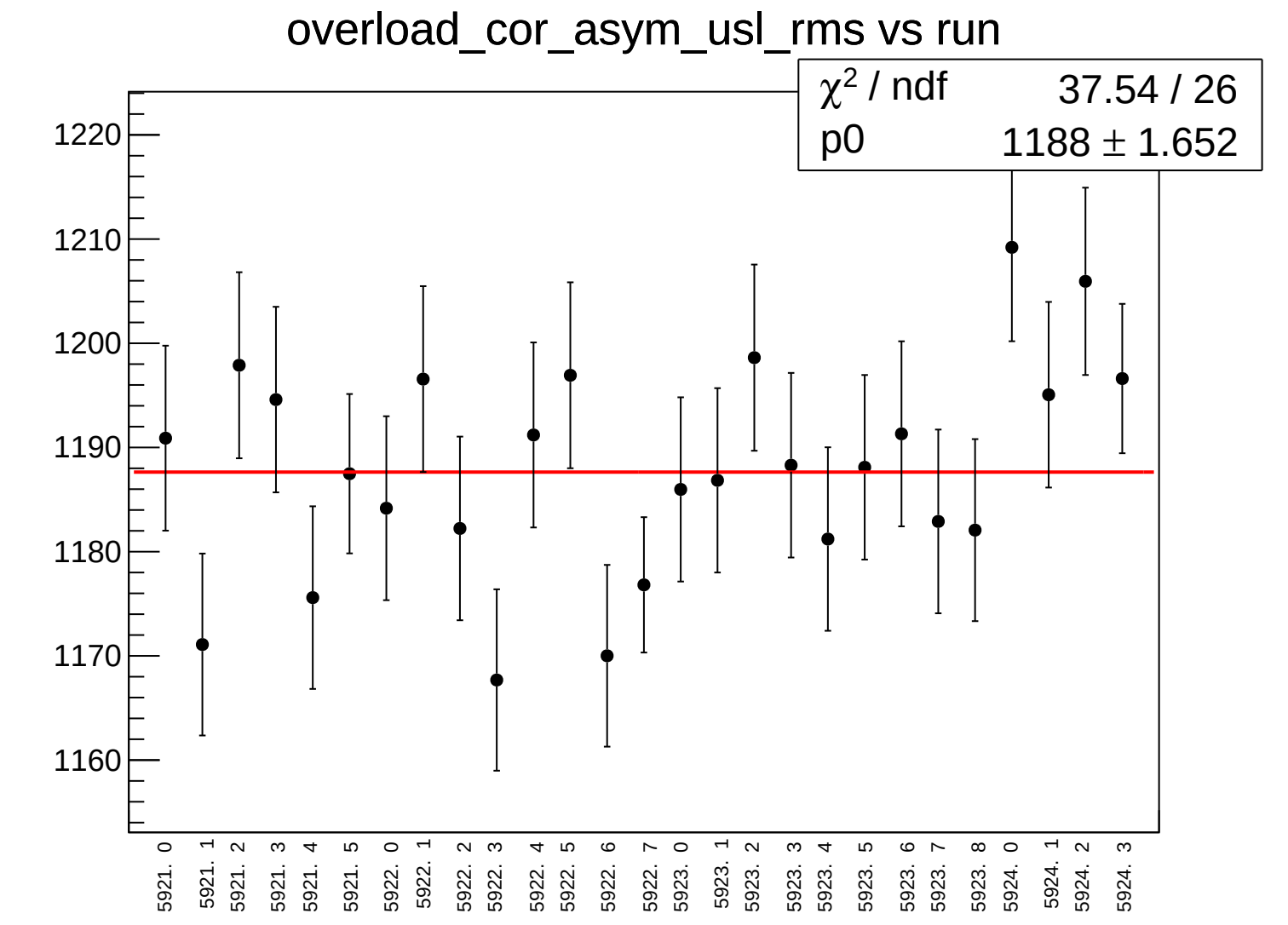

asym_usl_cor_correction_mean vs run
χ² / ndf 22.12 / 26
p0 1109 ± 1540
30000
20000
10000
0
−10000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 2.307
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

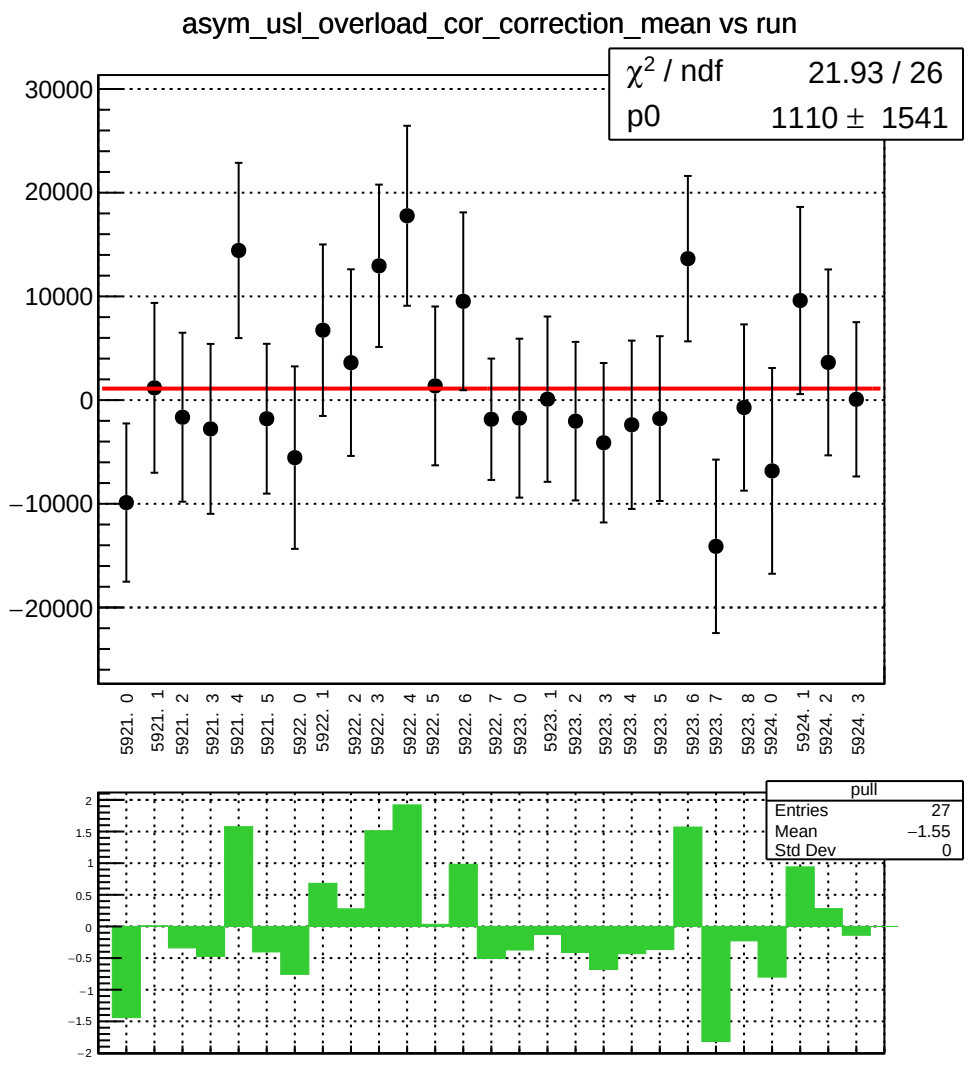

pull1D
Entries 27
Mean 0.01773
Std Dev 0.9049
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

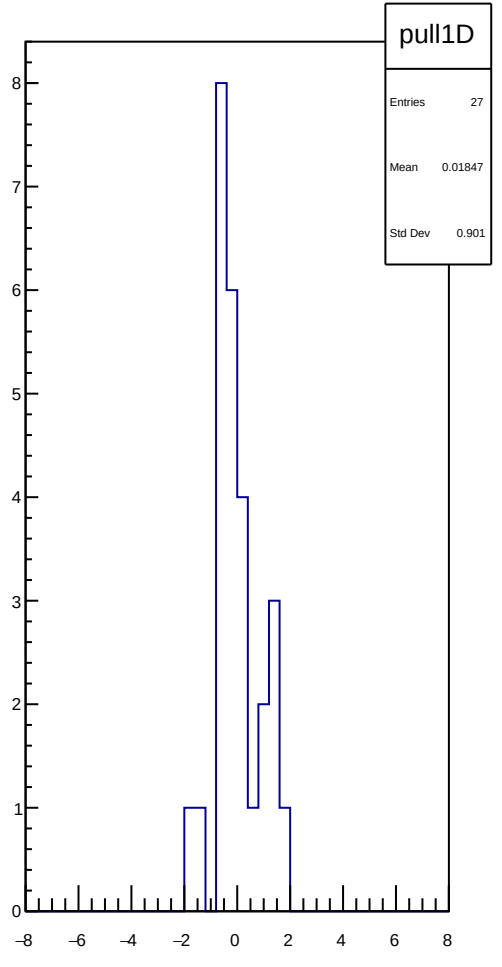

asym_usl_cor_correction_rms vs run
χ² / ndf 2102 / 26
p0 781.4 ± 1.089
950
900
850
800
750
700
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

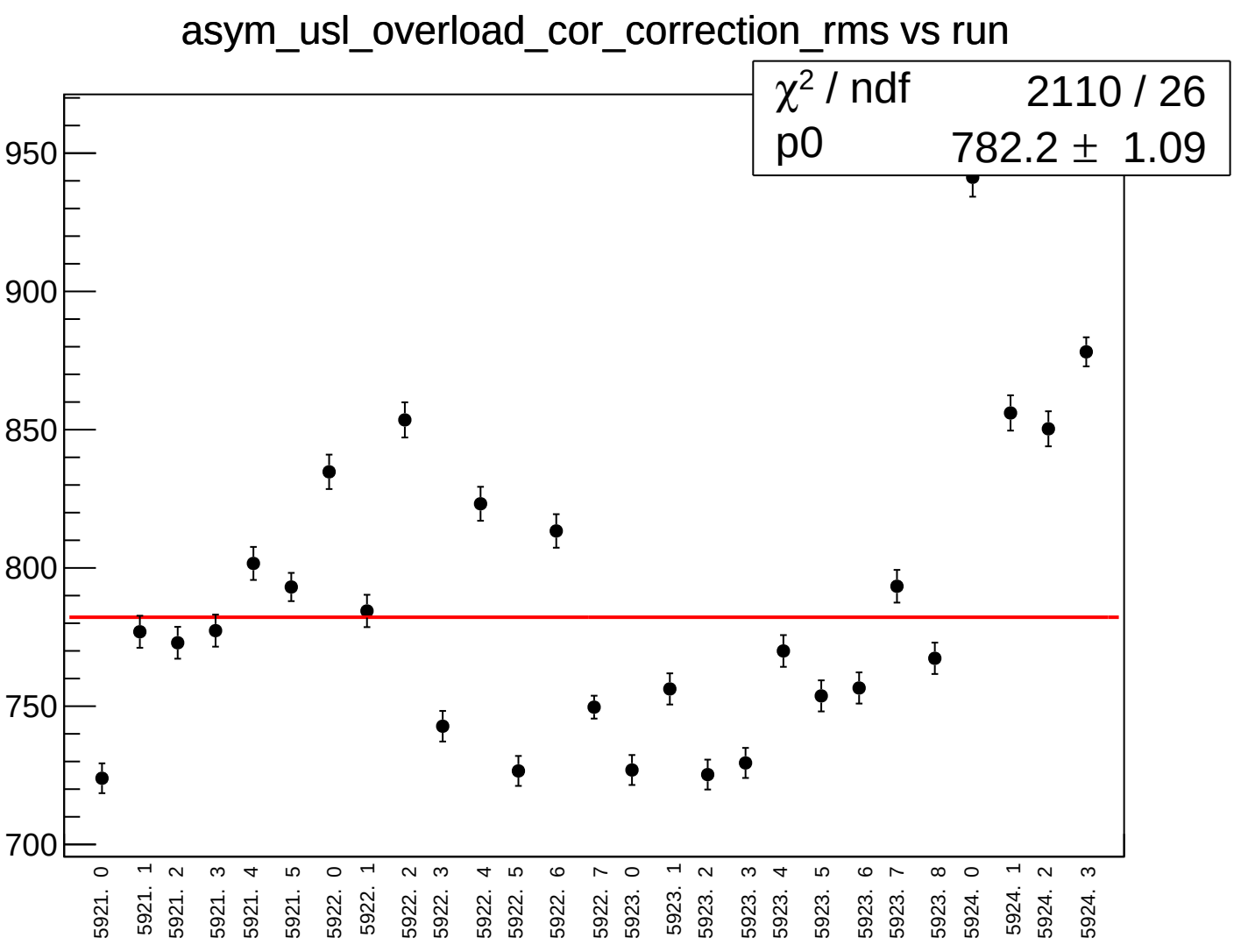

overload_cor_asym_usl_mean vs run
χ² / ndf 30.55 / 26
p0 −2053 ± 2336
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 22.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

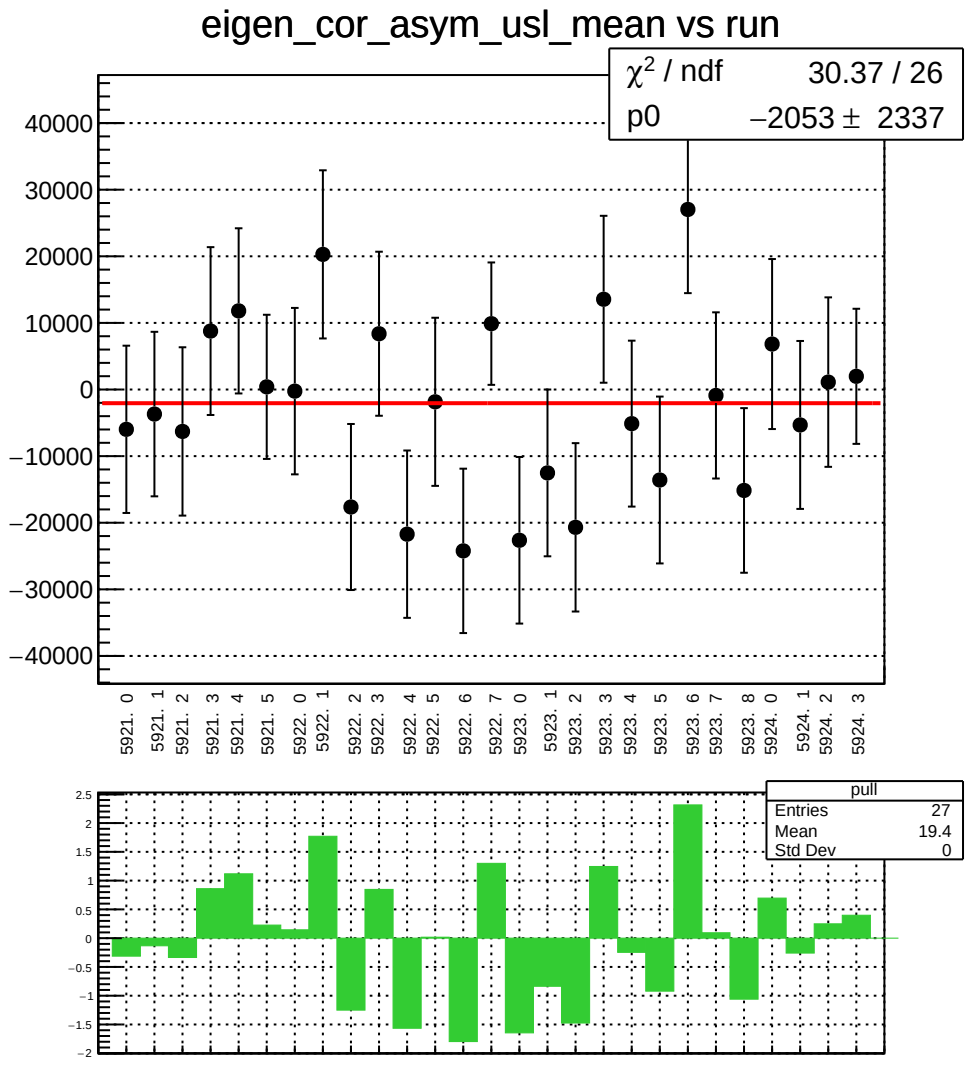

pull1D
Entries 27
Mean −0.02001
Std Dev 1.064
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

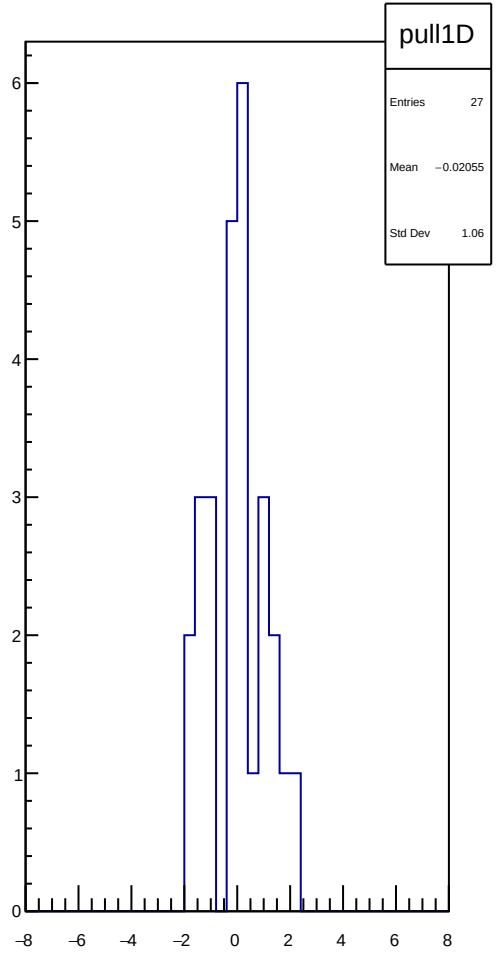

overload_cor_asym_usl_rms vs run
χ² / ndf 37.54 / 26
p0 1188 ± 1.652
1220
1210
1200
1190
1180
1170
1160
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

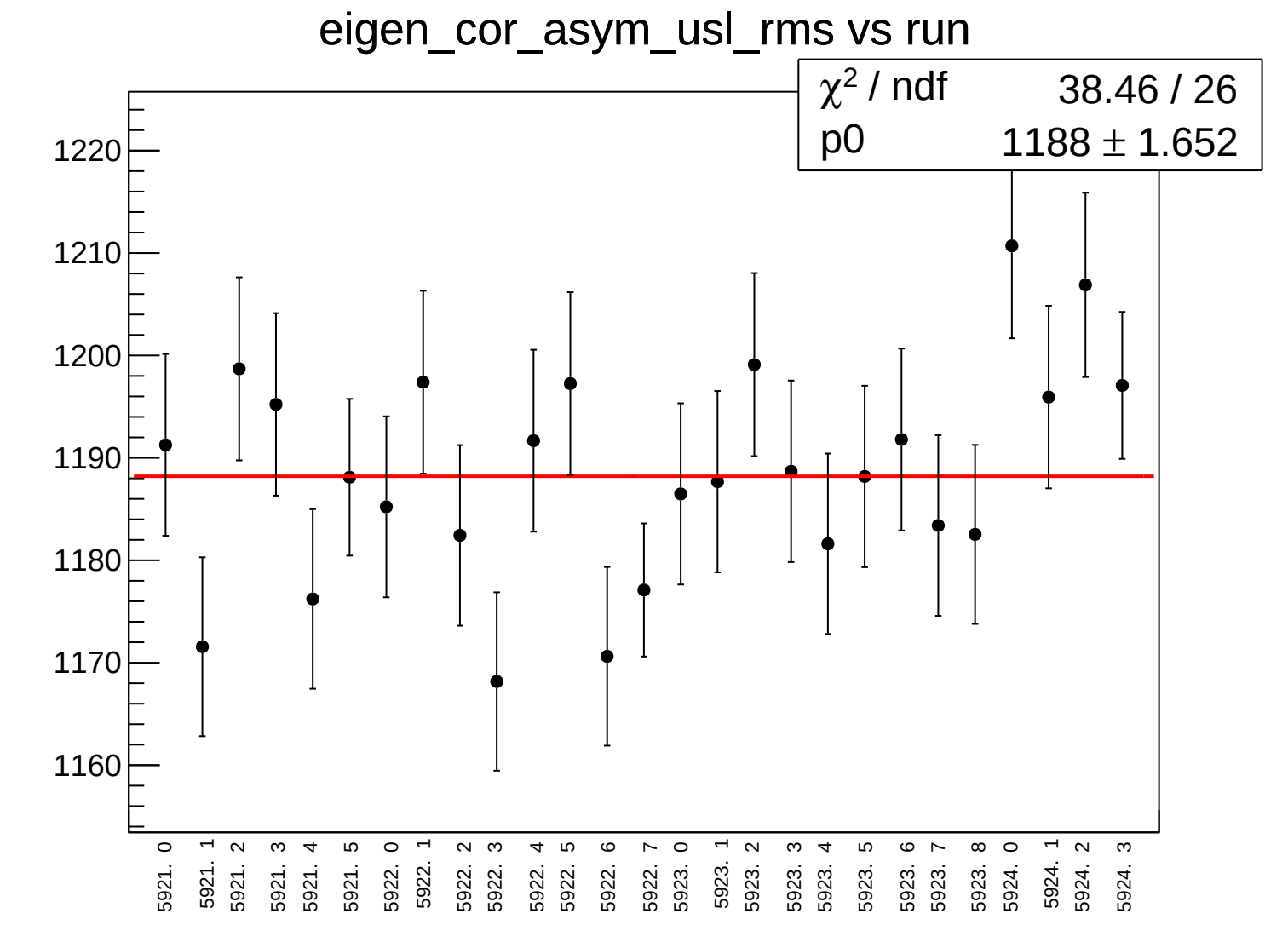

asym_usl_overload_cor_correction_mean vs run
χ² / ndf 21.93 / 26
p0 1110 ± 1541
30000
20000
10000
0
−10000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −1.55
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

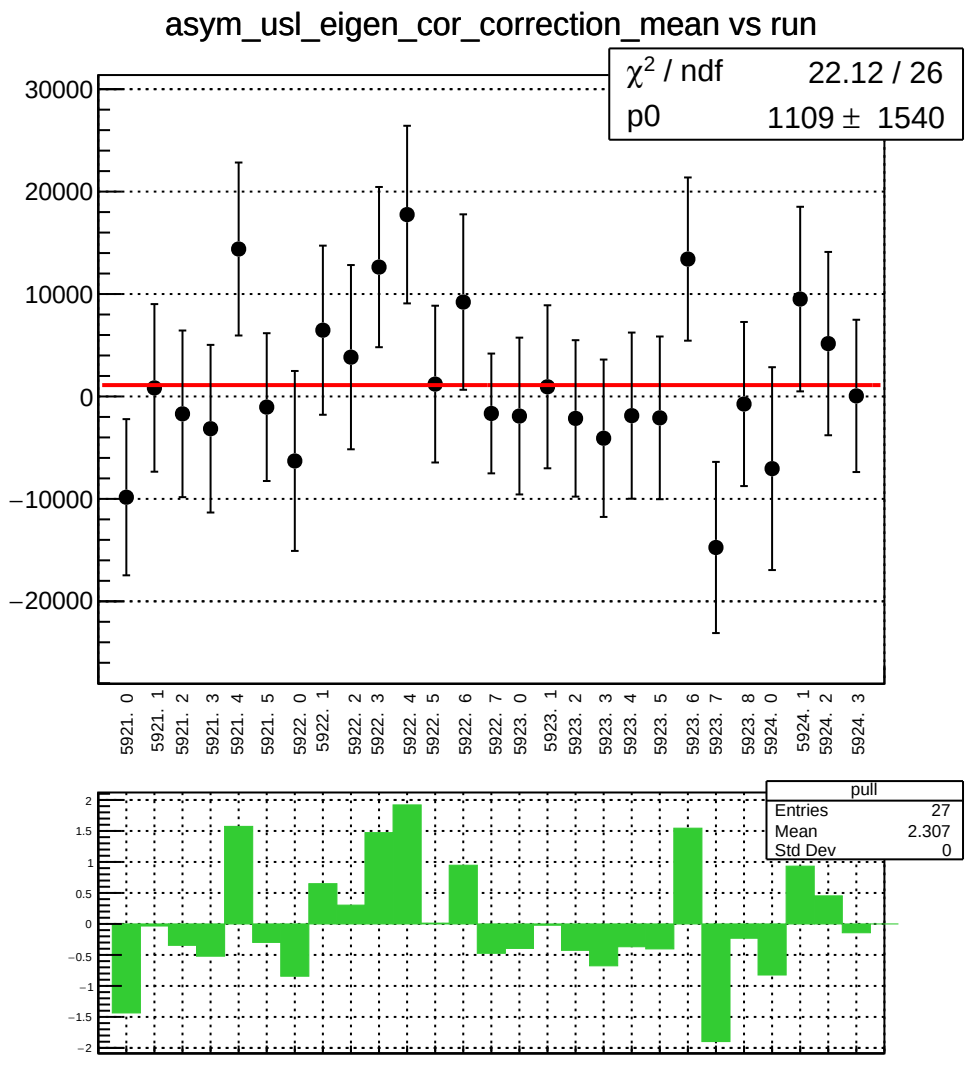

pull1D
Entries 27
Mean 0.01847
Std Dev 0.901
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

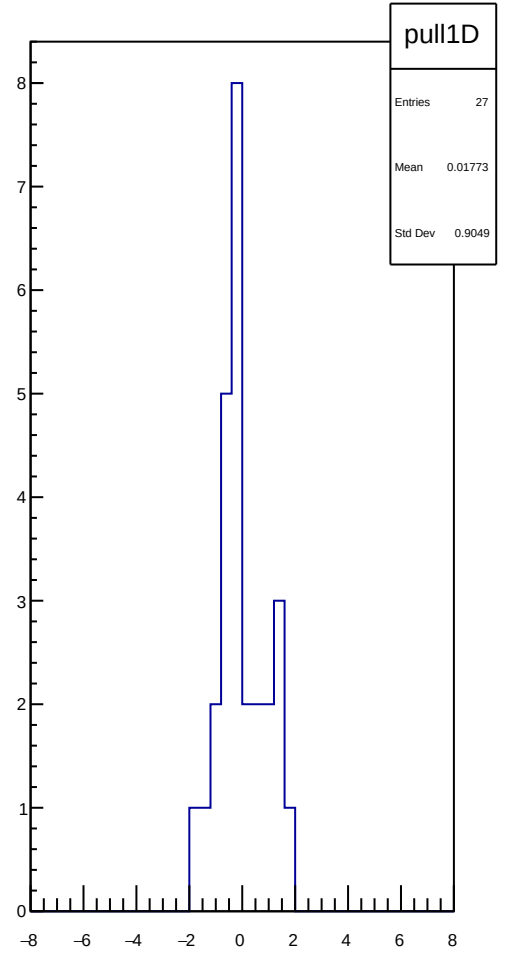

asym_usl_overload_cor_correction_rms vs run
χ² / ndf 2110 / 26
p0 782.2 ± 1.09
950
900
850
800
750
700
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

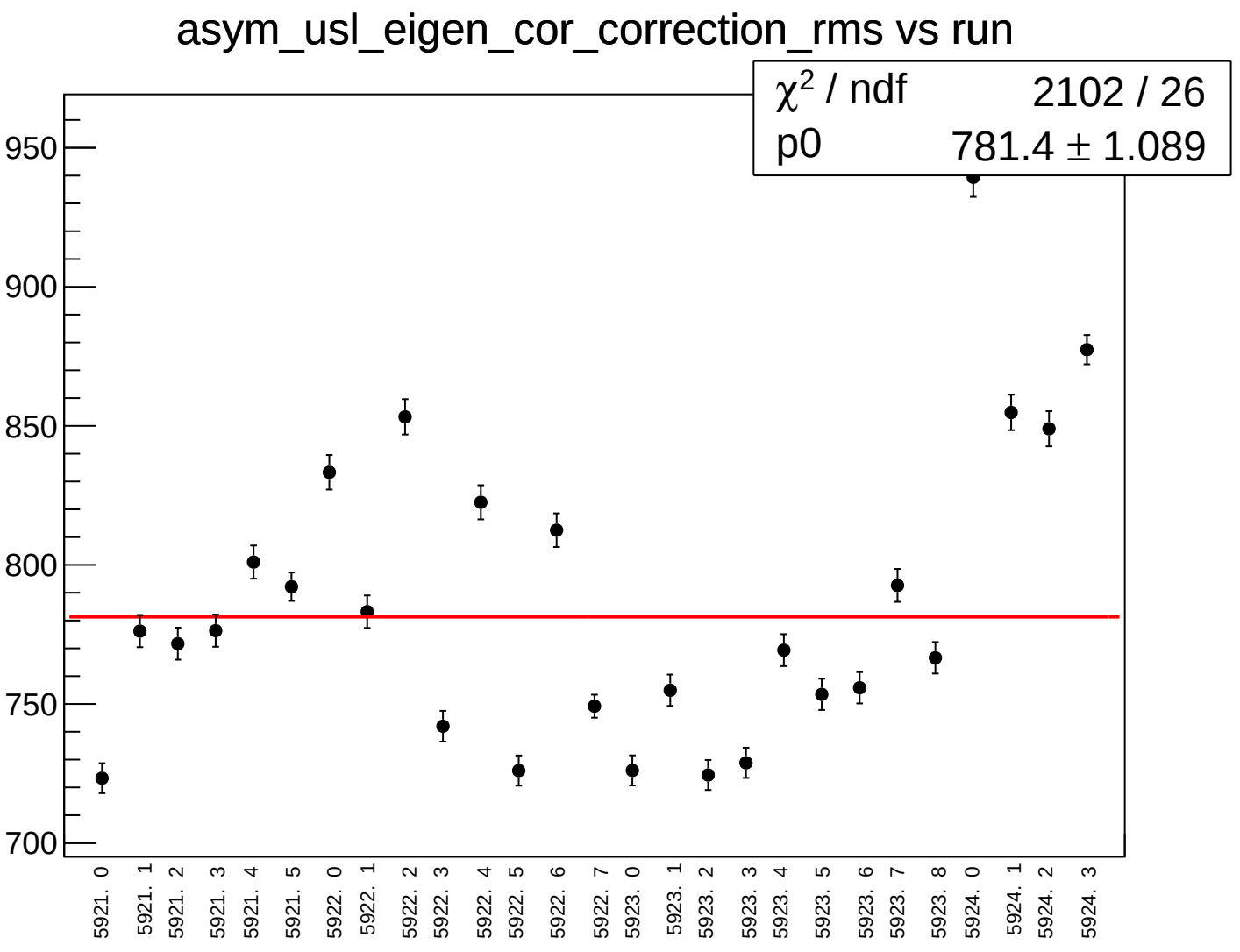

eigen_cor_asym_usl_mean vs run
χ² / ndf 30.37 / 26
p0 −2053 ± 2337
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 19.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

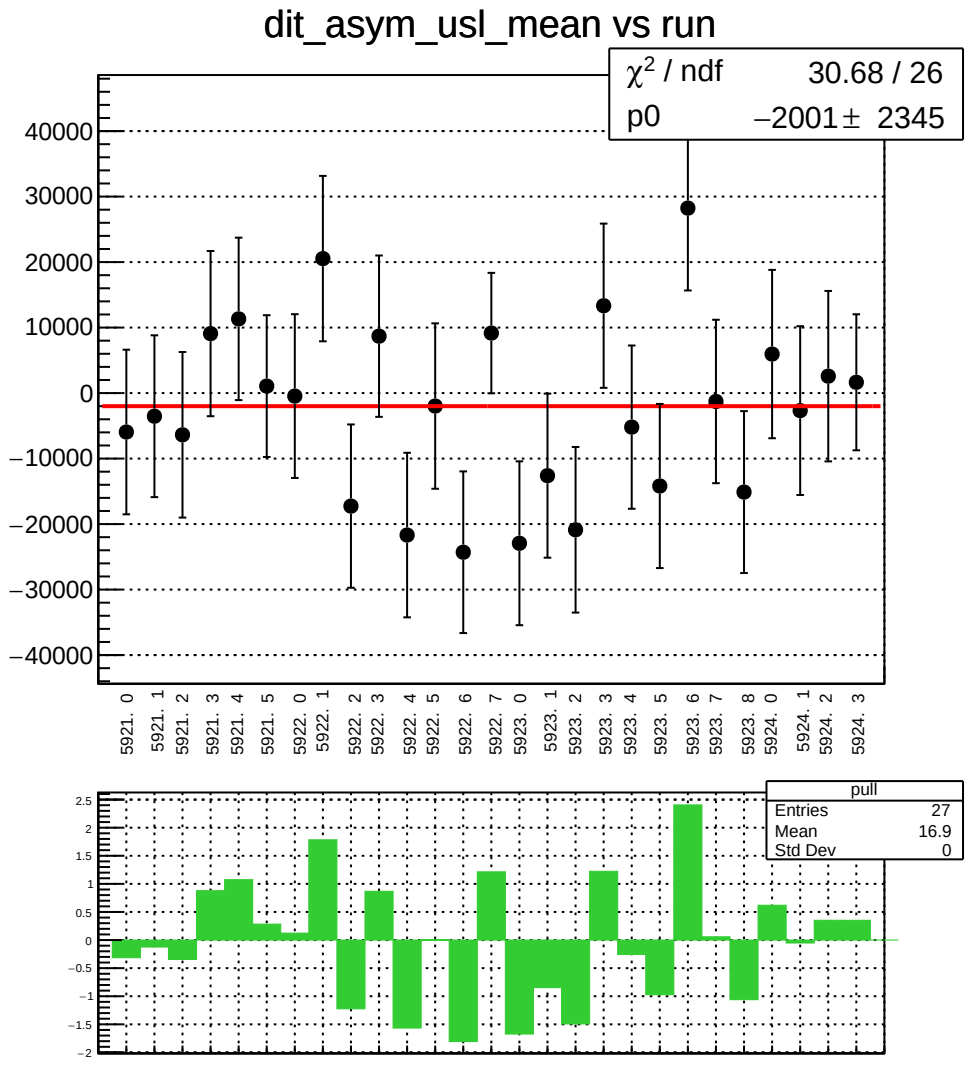

pull1D
Entries 27
Mean −0.02055
Std Dev 1.06
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

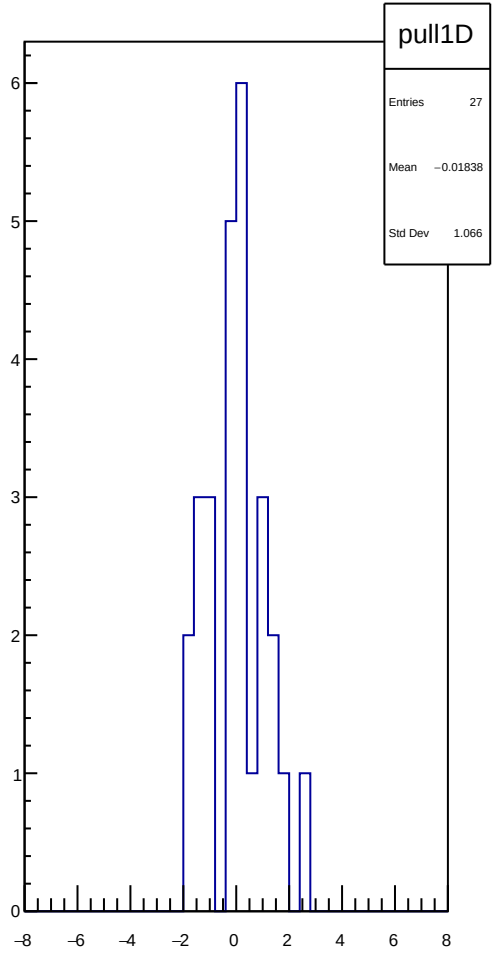

eigen_cor_asym_usl_rms vs run
χ² / ndf 38.46 / 26
p0 1188 ± 1.652
1220
1210
1200
1190
1180
1170
1160
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

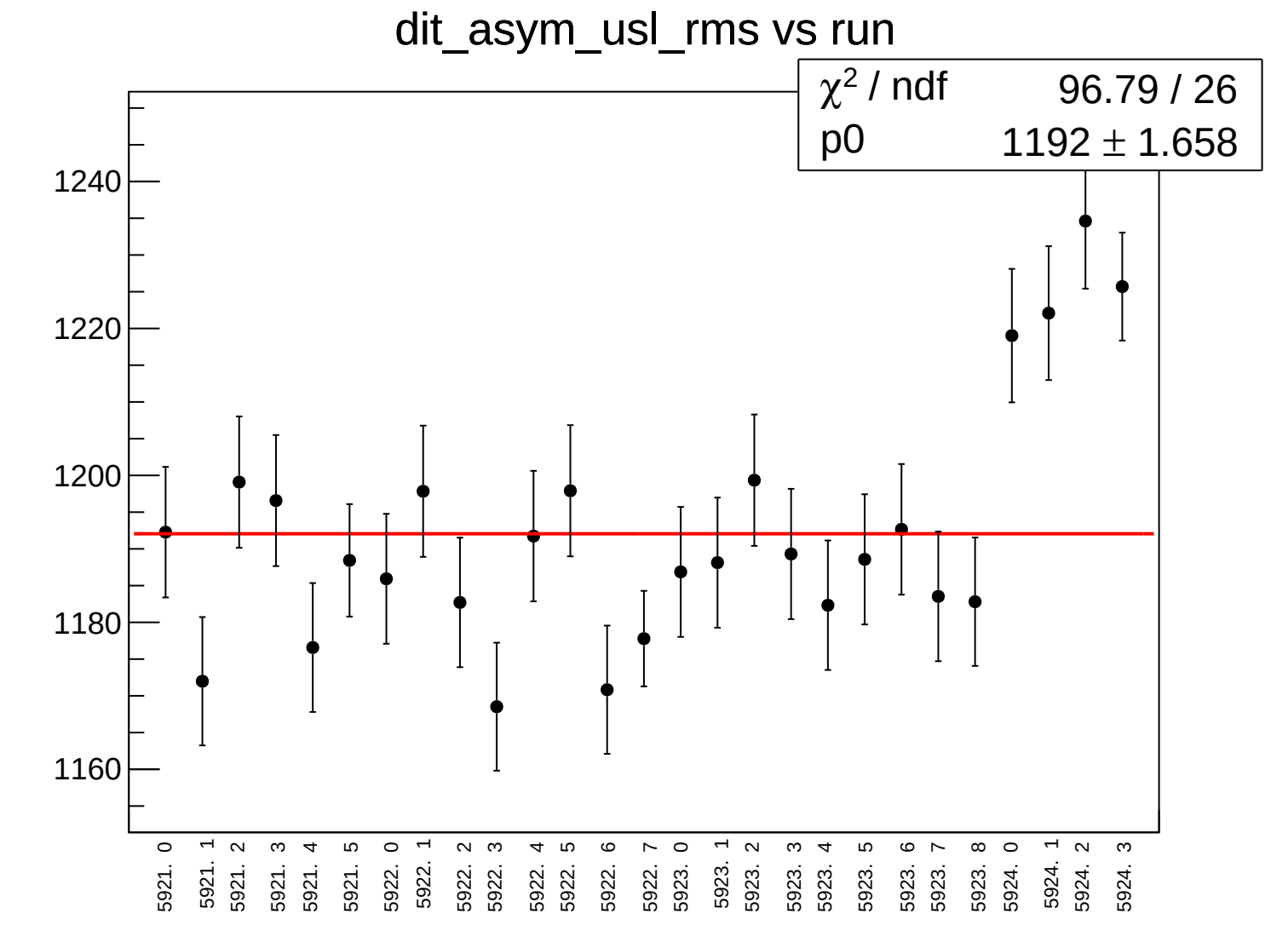

asym_usl_eigen_cor_correction_mean vs run
χ² / ndf 22.12 / 26
p0 1109 ± 1540
30000
20000
10000
0
−10000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 2.307
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

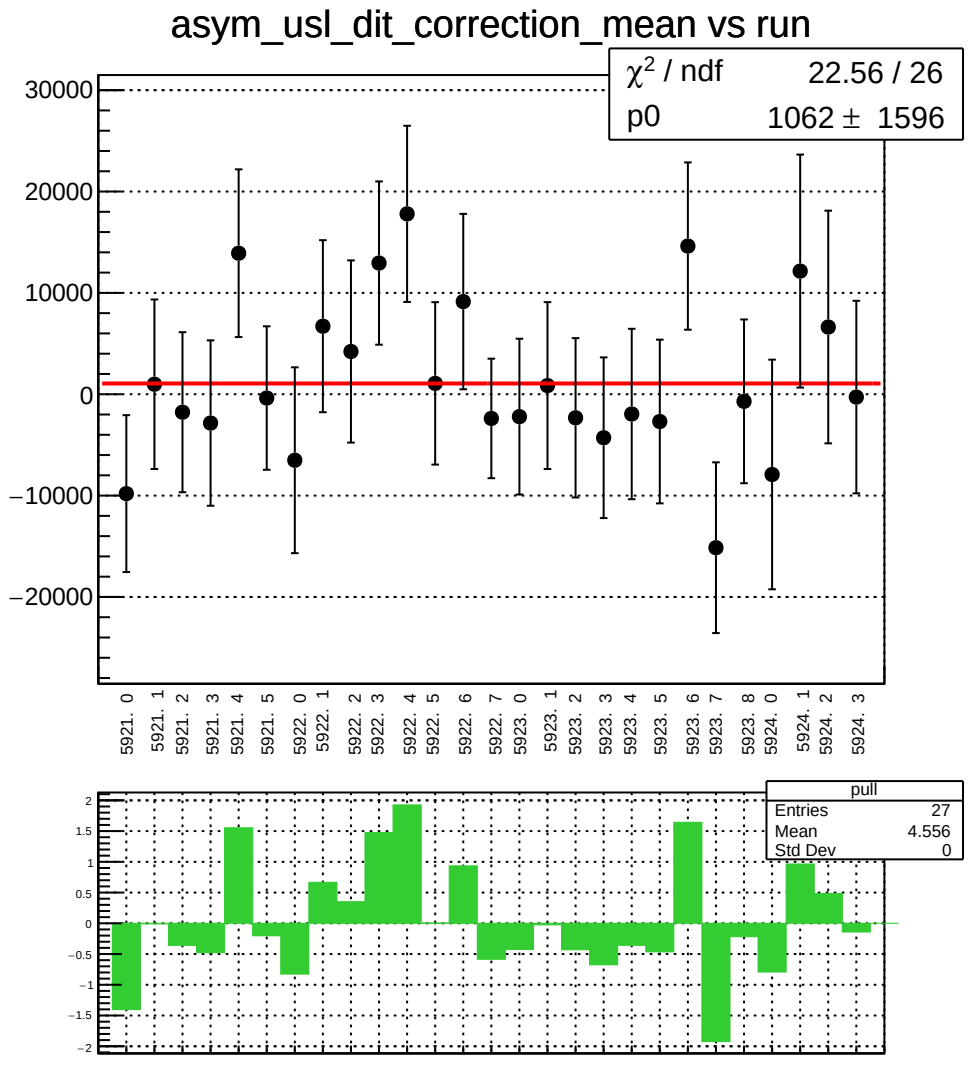

pull1D
Entries 27
Mean 0.01773
Std Dev 0.9049
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

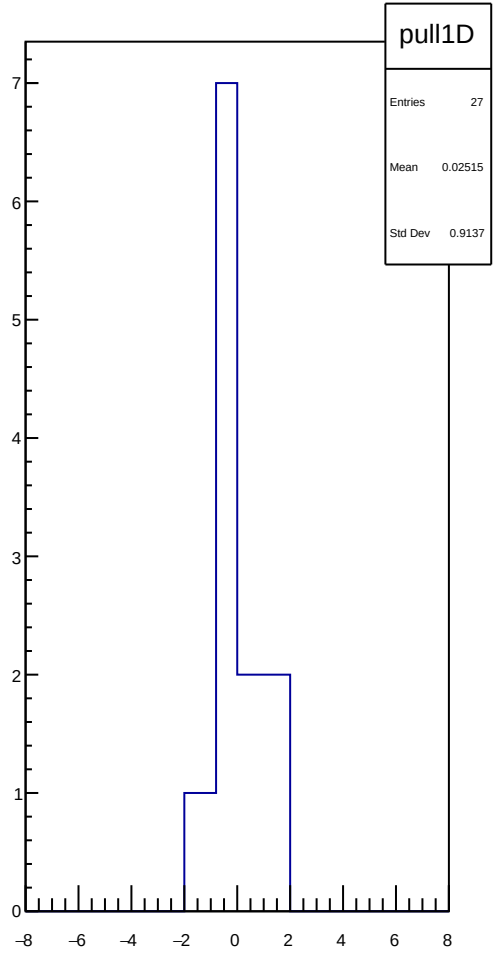

asym_usl_eigen_cor_correction_rms vs run
χ² / ndf 2102 / 26
p0 781.4 ± 1.089
950
900
850
800
750
700
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

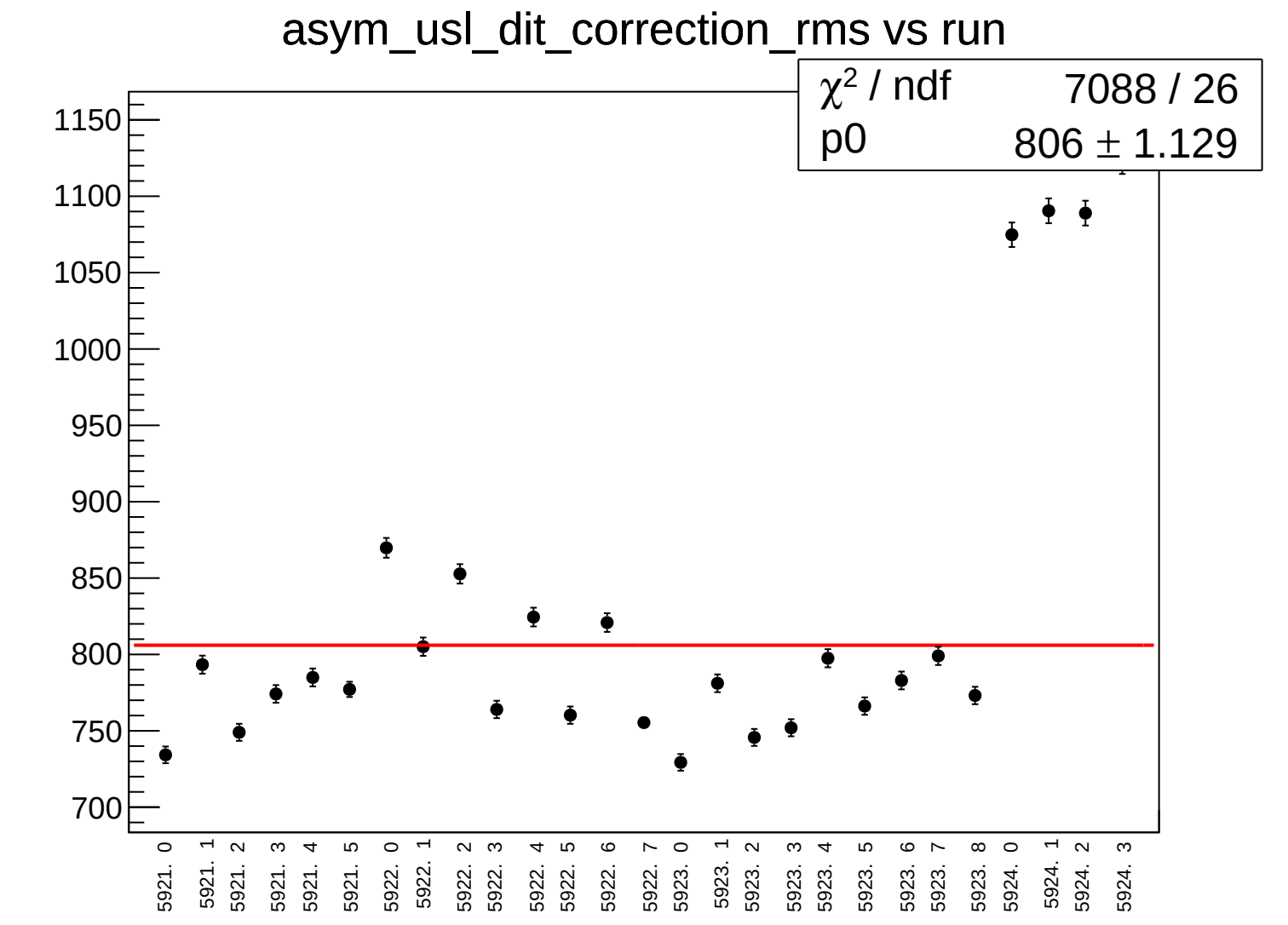

dit_asym_usl_mean vs run
χ² / ndf 30.68 / 26
p0 −2001 ± 2345
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 16.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

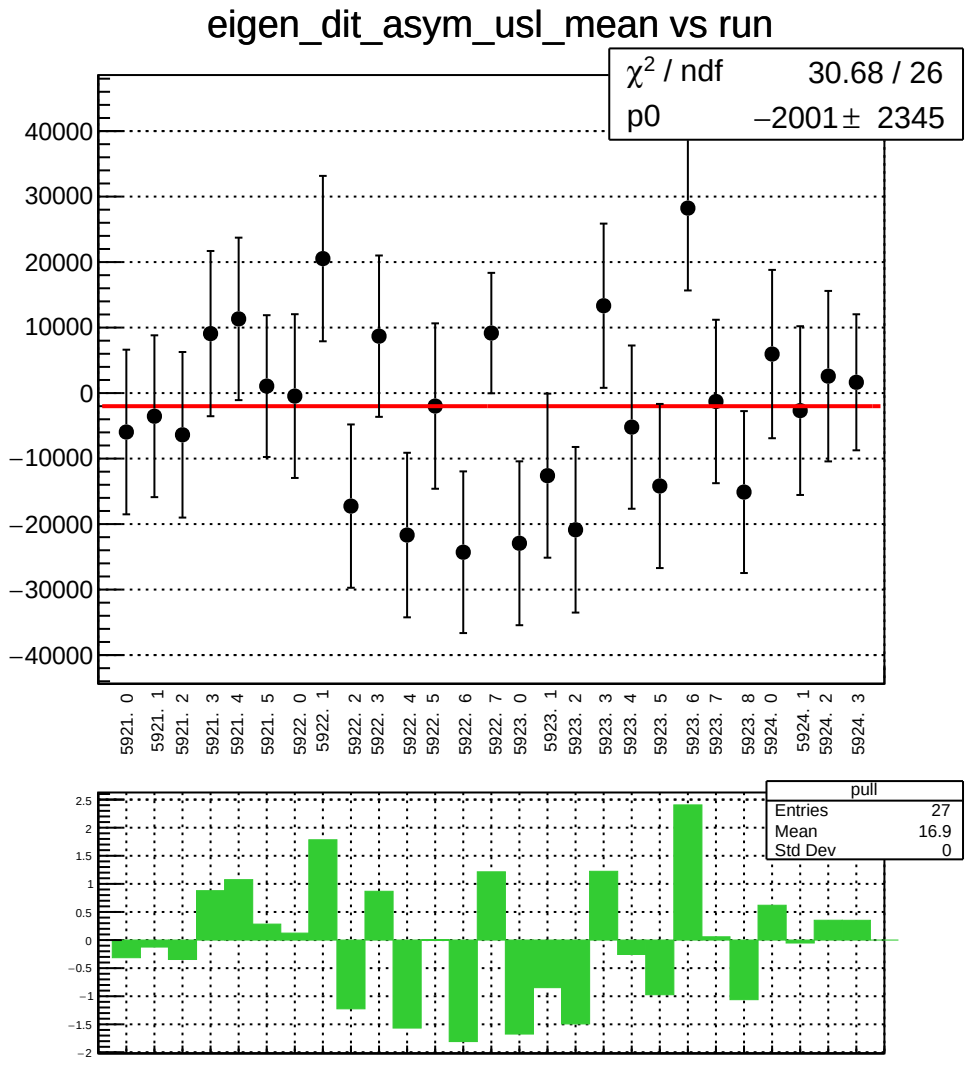

pull1D
Entries 27
Mean −0.01838
Std Dev 1.066
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

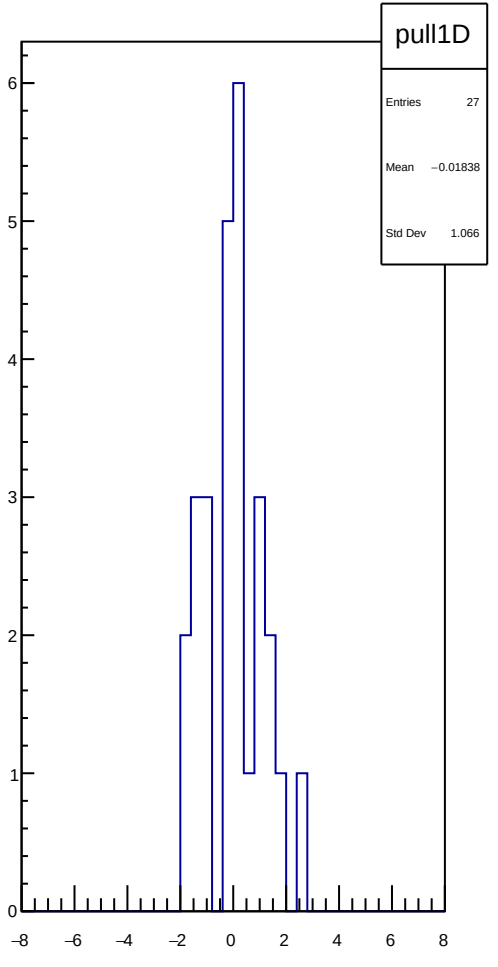

dit_asym_usl_rms vs run
χ² / ndf 96.79 / 26
p0 1192 ± 1.658
1240
1220
1200
1180
1160
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

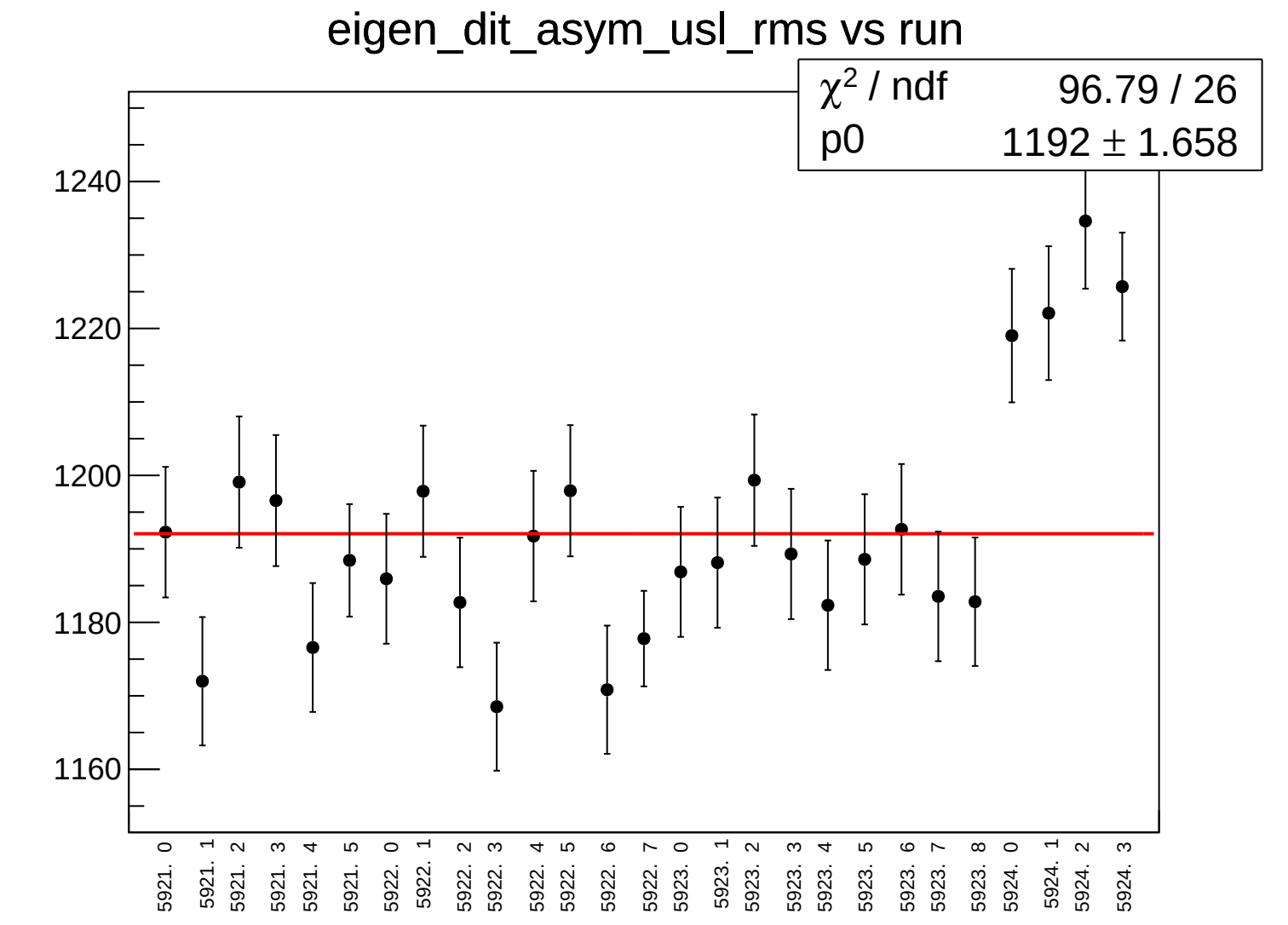

asym_usl_dit_correction_mean vs run
χ² / ndf 22.56 / 26
p0 1062 ± 1596
30000
20000
10000
0
−10000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 4.556
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

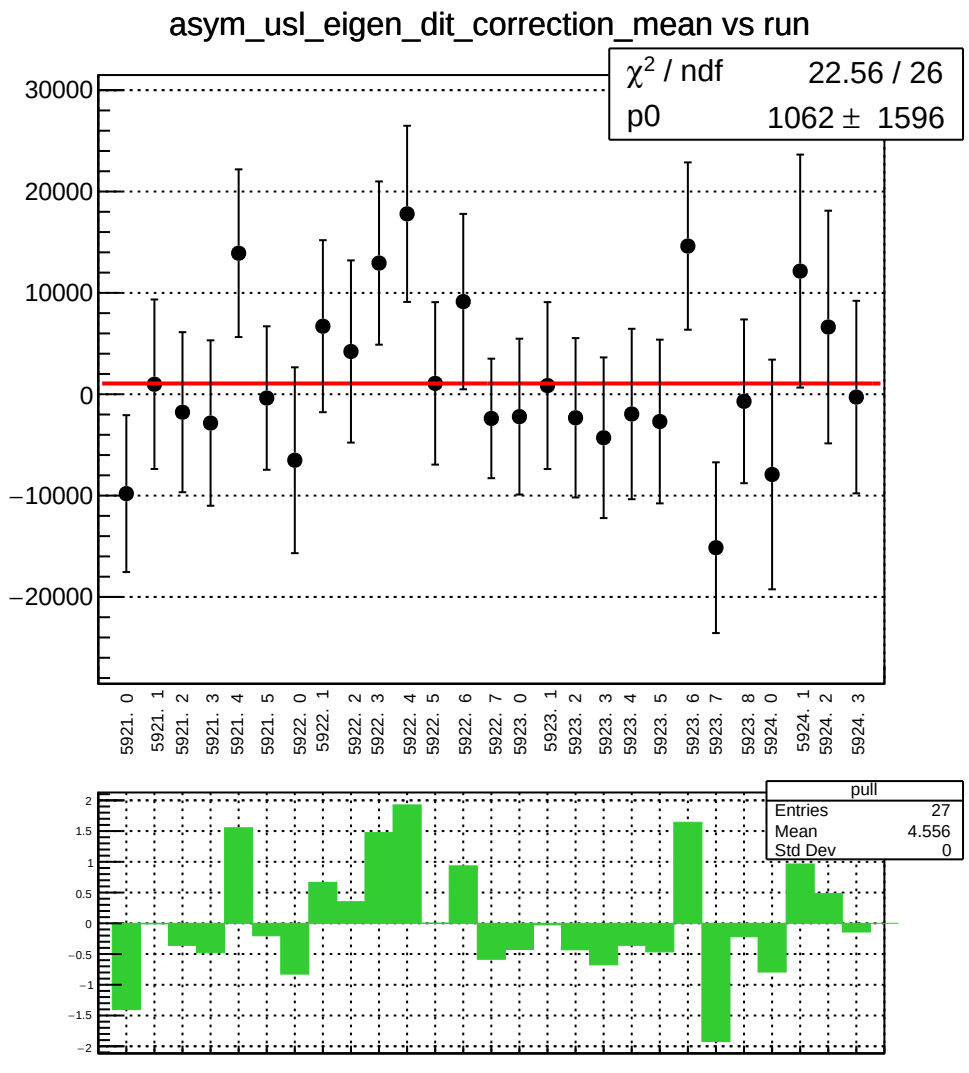

pull1D
Entries 27
Mean 0.02515
Std Dev 0.9137
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

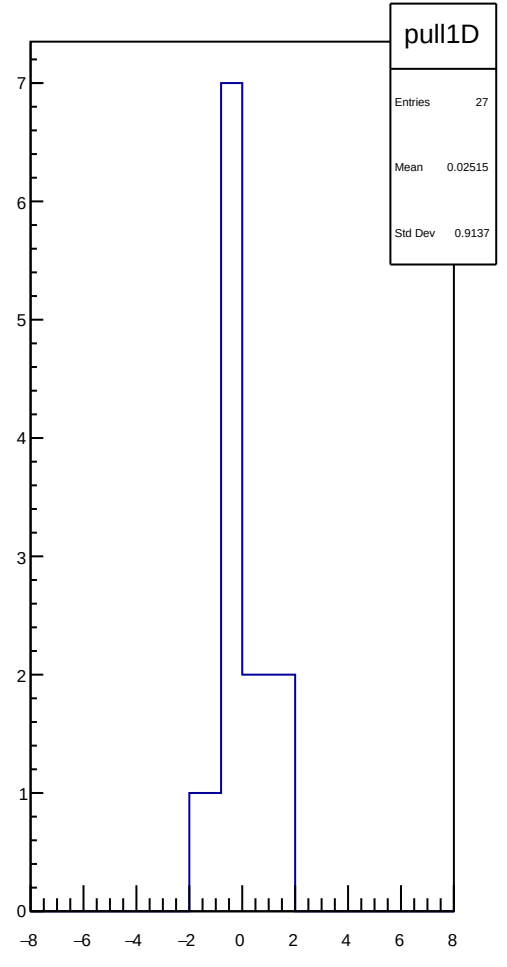

asym_usl_dit_correction_rms vs run
χ² / ndf 7088 / 26
p0 806 ± 1.129
1150
1100
1050
1000
950
900
850
800
750
700
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

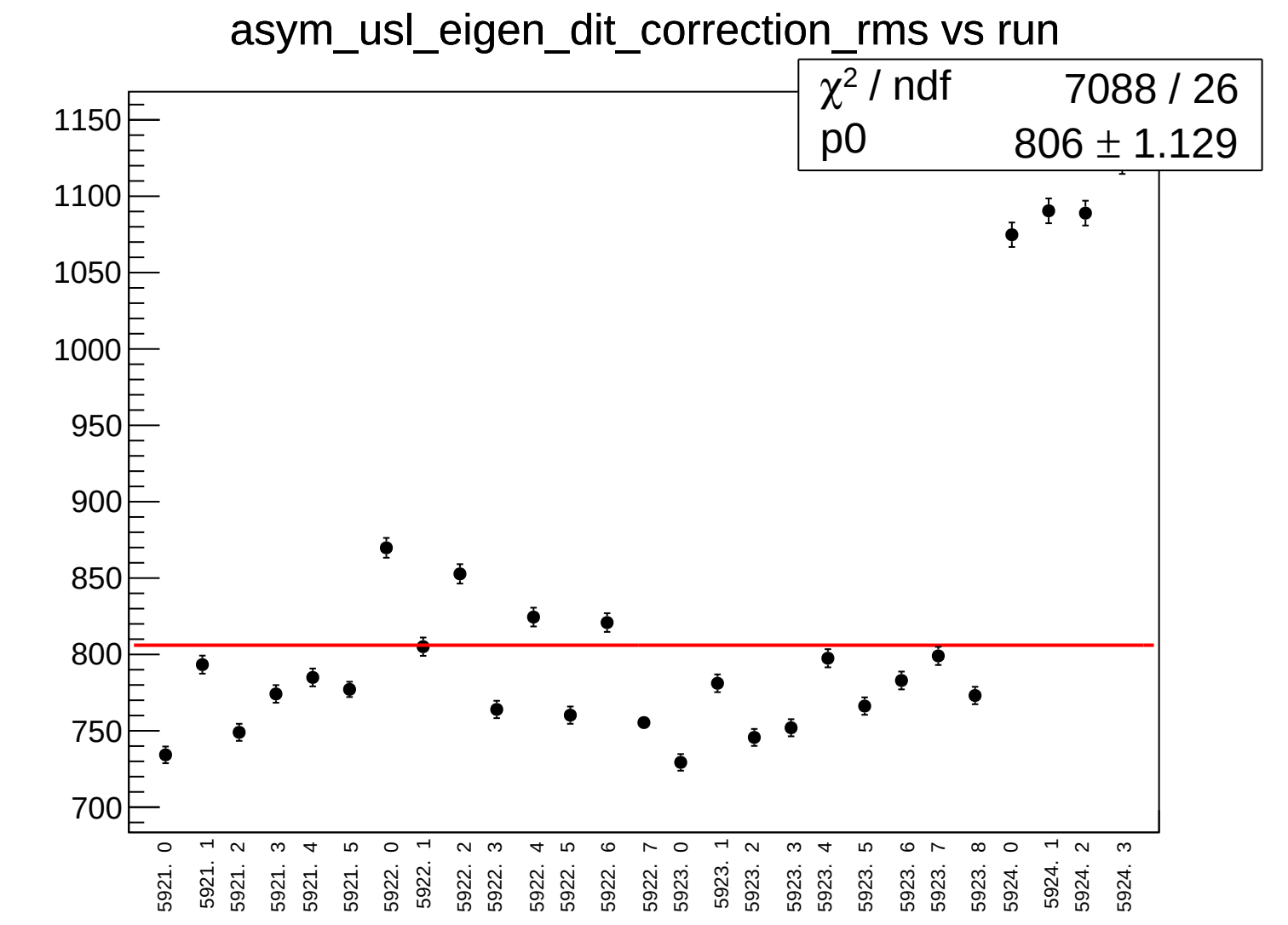

eigen_dit_asym_usl_mean vs run
χ² / ndf 30.68 / 26
p0 −2001 ± 2345
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 16.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

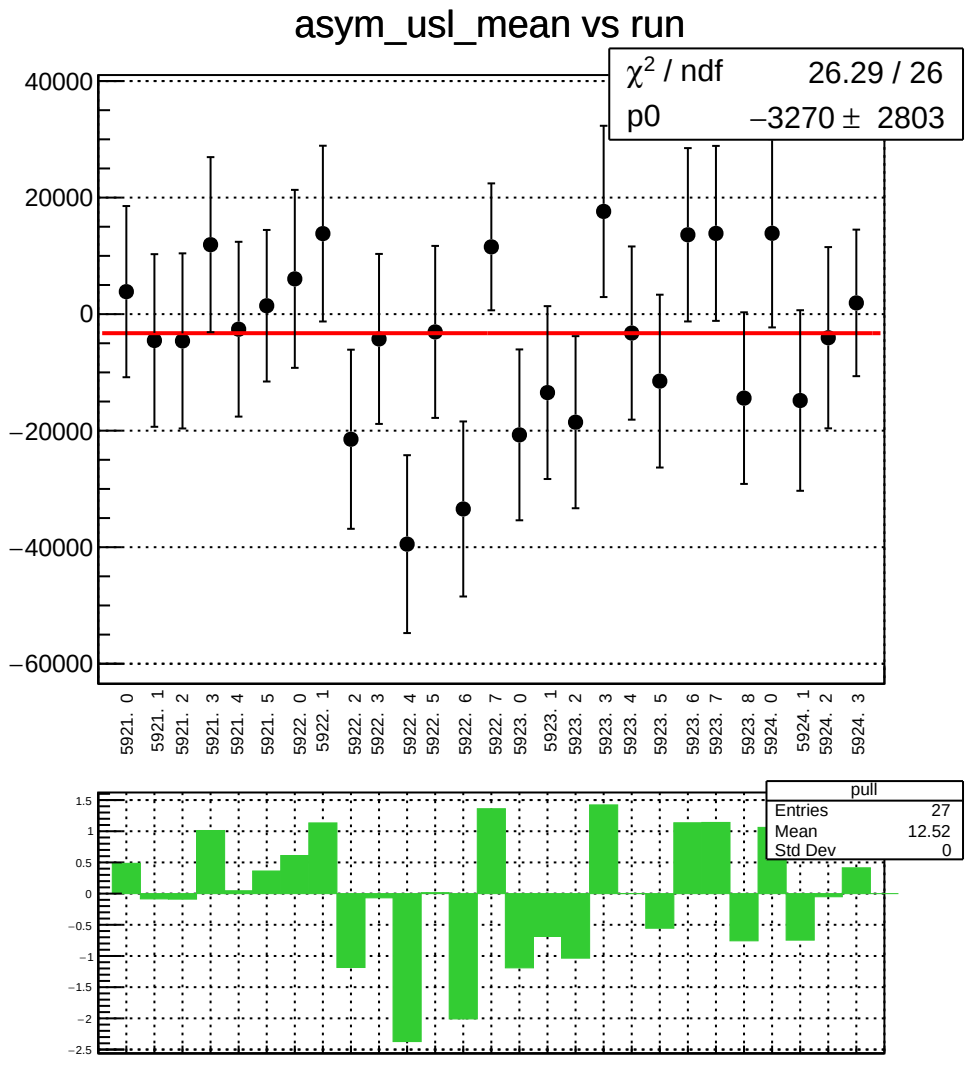

pull1D
Entries 27
Mean −0.01838
Std Dev 1.066
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

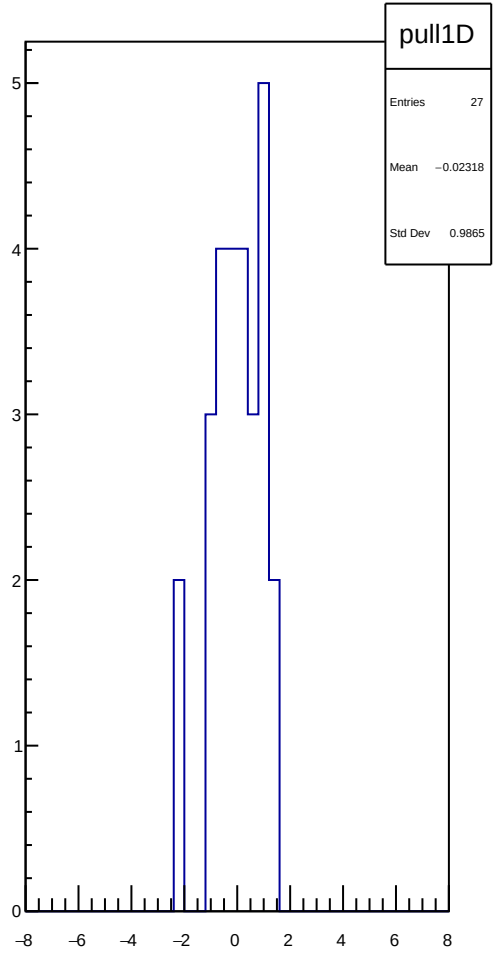

eigen_dit_asym_usl_rms vs run
χ² / ndf 96.79 / 26
p0 1192 ± 1.658
1240
1220
1200
1180
1160
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

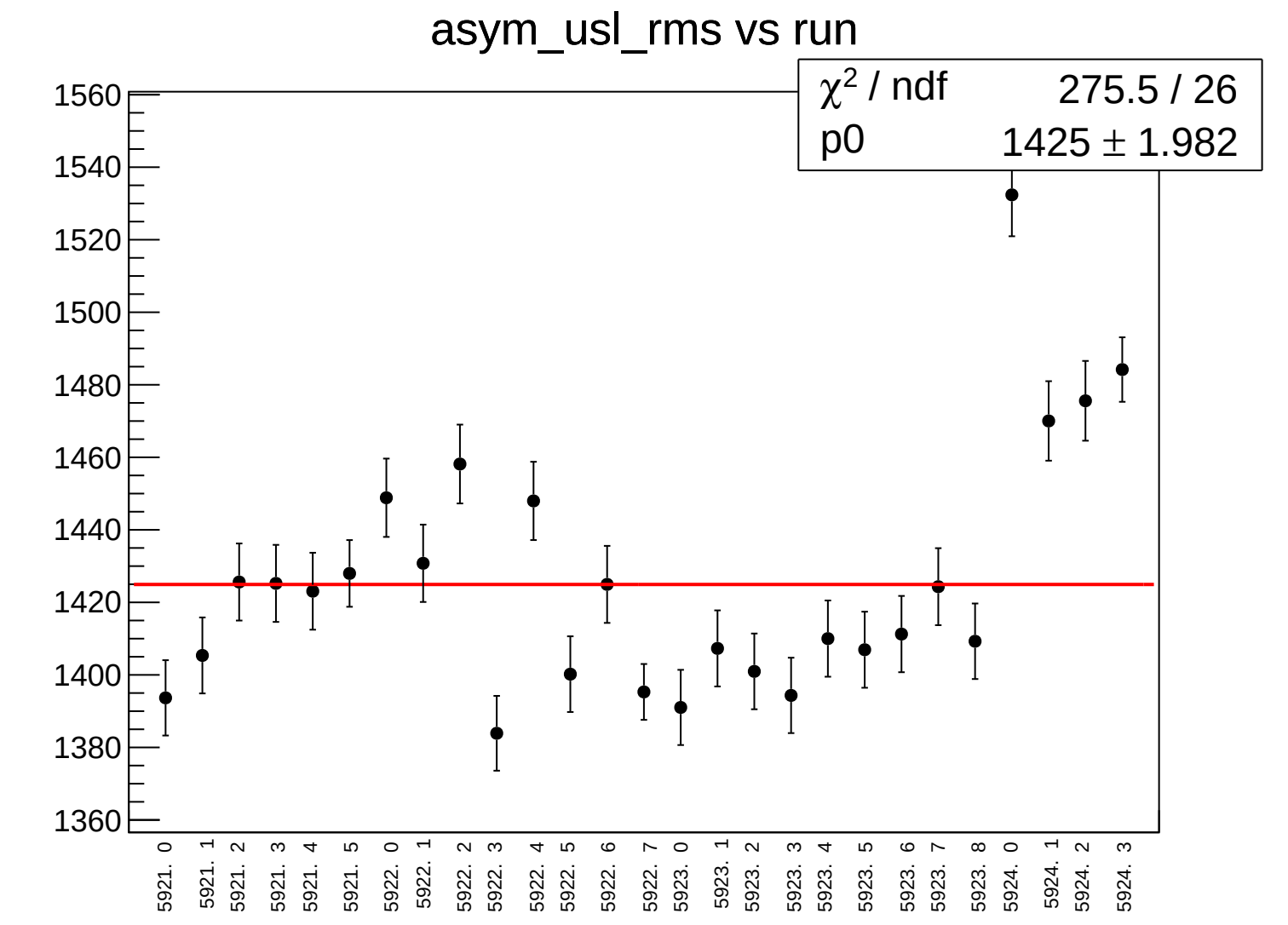

asym_usl_eigen_dit_correction_mean vs run
χ² / ndf 22.56 / 26
p0 1062 ± 1596
30000
20000
10000
0
−10000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 4.556
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

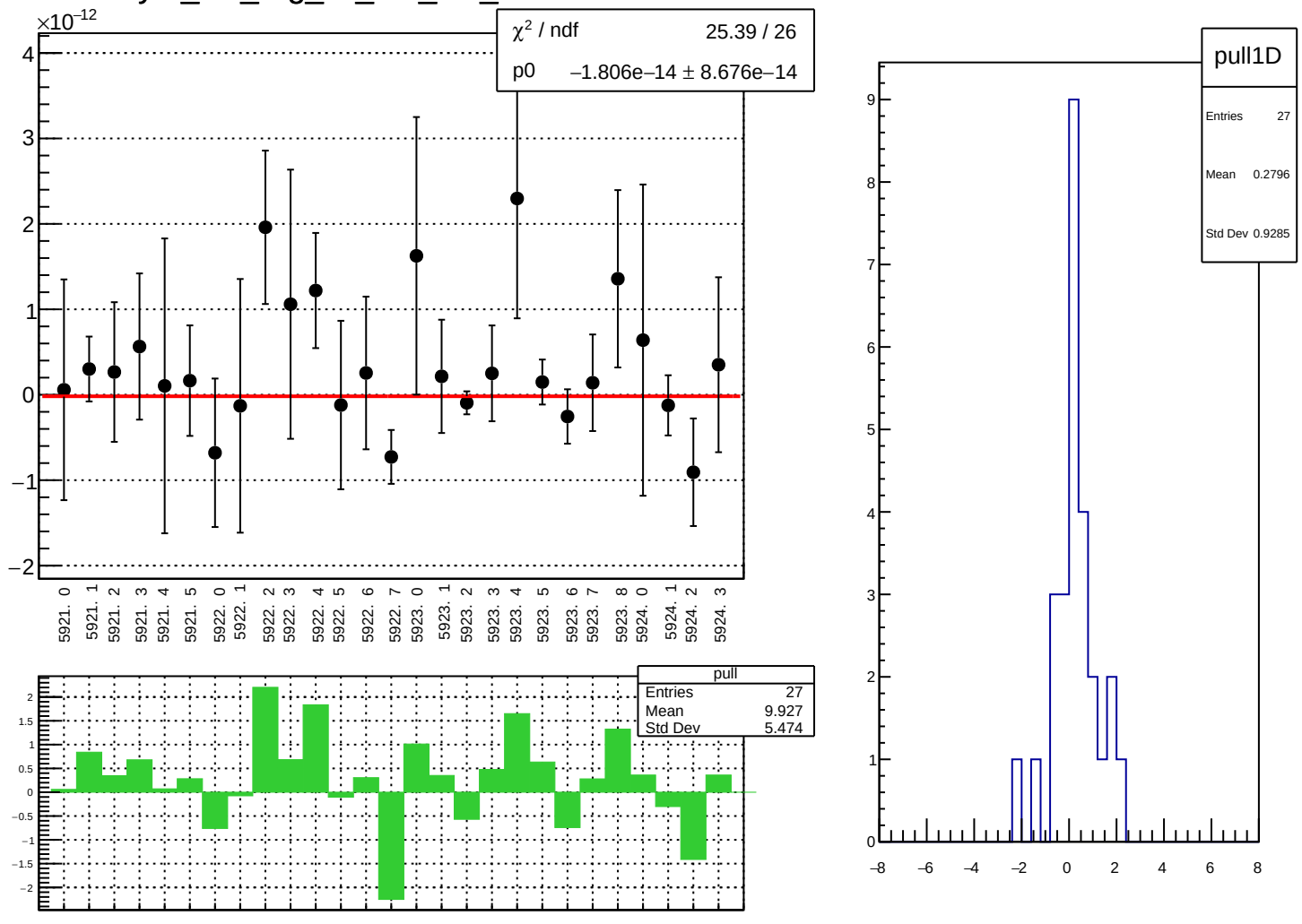

pull1D
Entries 27
Mean 0.02515
Std Dev 0.9137
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

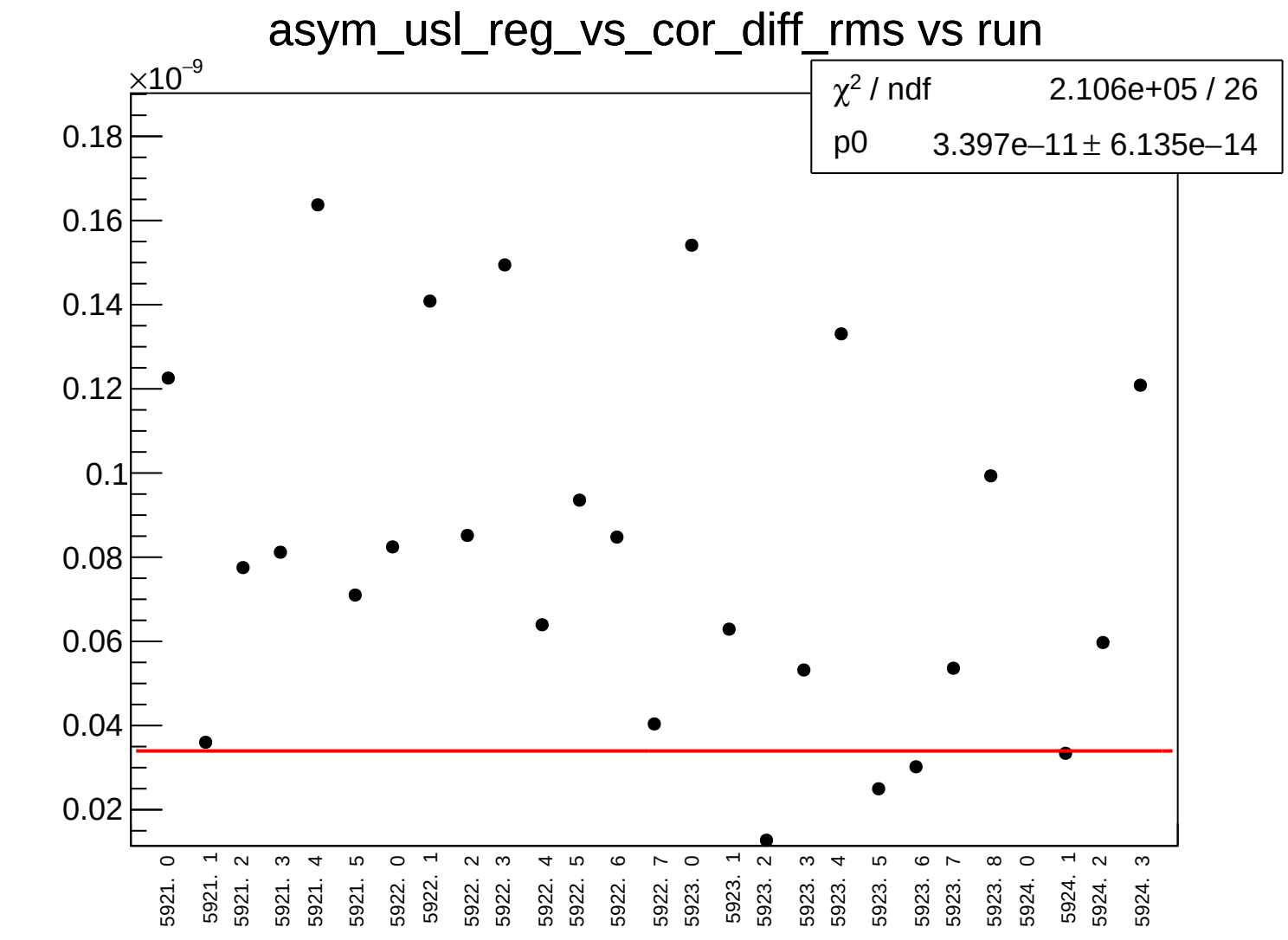

asym_usl_eigen_dit_correction_rms vs run
χ² / ndf 7088 / 26
p0 806 ± 1.129
1150
1100
1050
1000
950
900
850
800
750
700
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

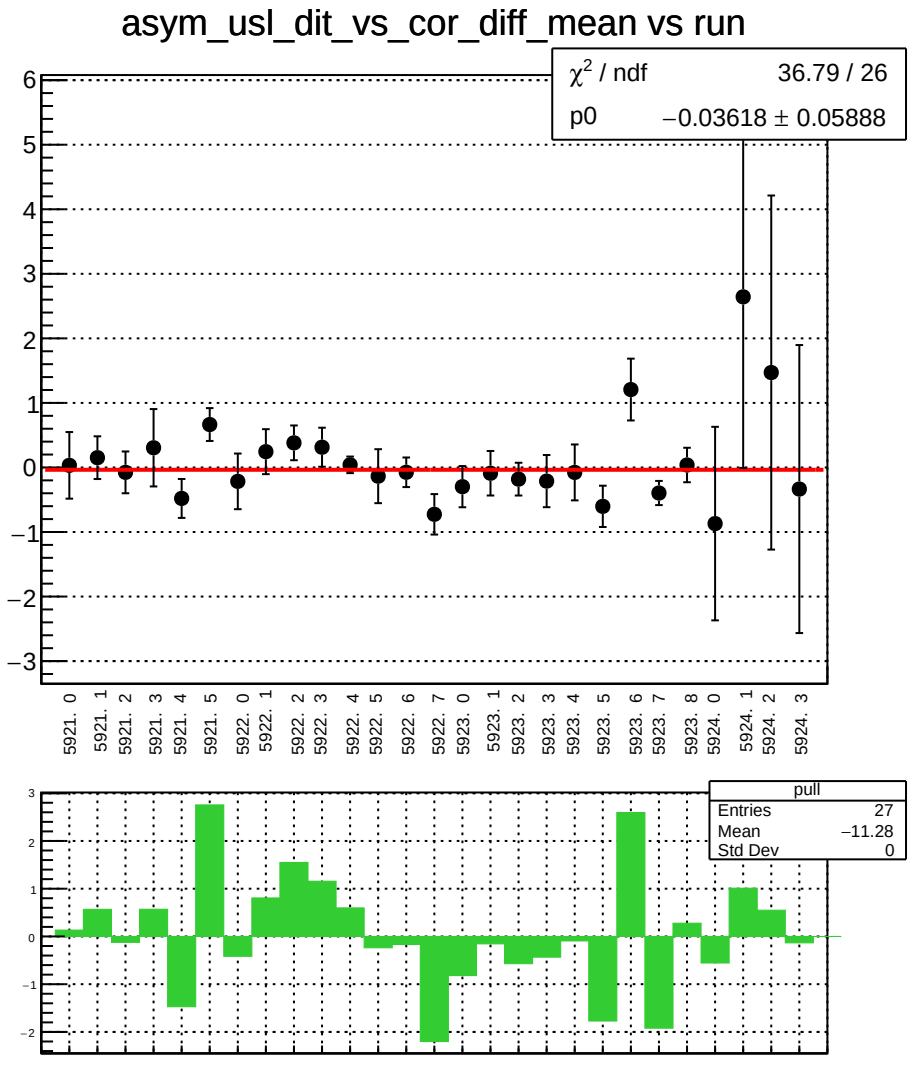

asym_usl_mean vs run
χ² / ndf 26.29 / 26
p0 −3270 ± 2803
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 12.52
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

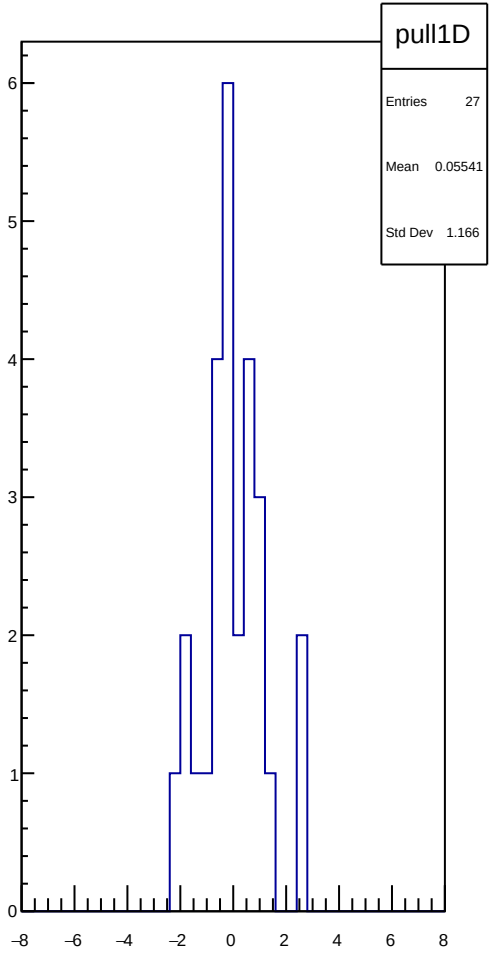

pull1D
Entries 27
Mean −0.02318
Std Dev 0.9865
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

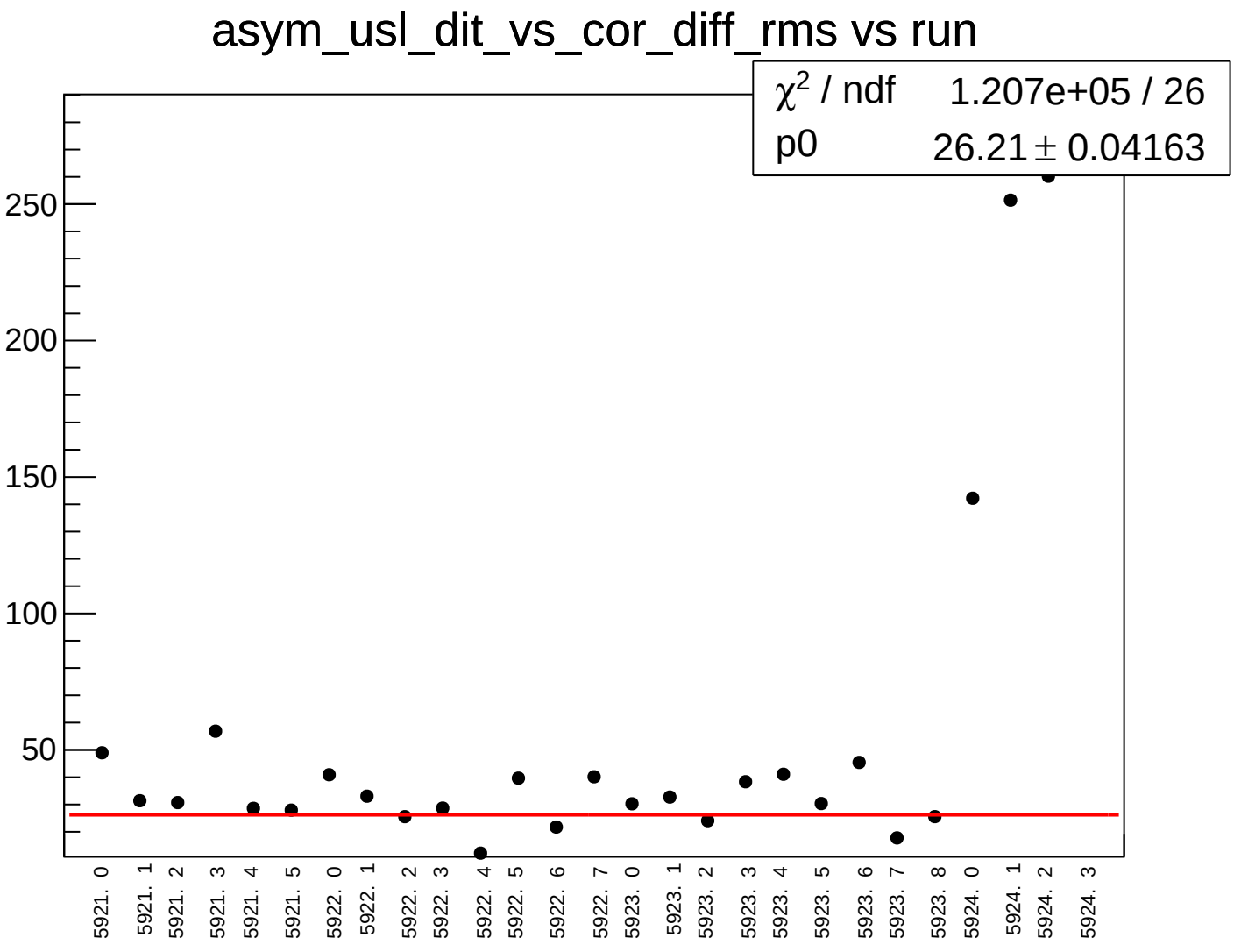

asym_usl_rms vs run
χ² / ndf 275.5 / 26
p0 1425 ± 1.982
1560
1540
1520
1500
1480
1460
1440
1420
1400
1380
1360
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

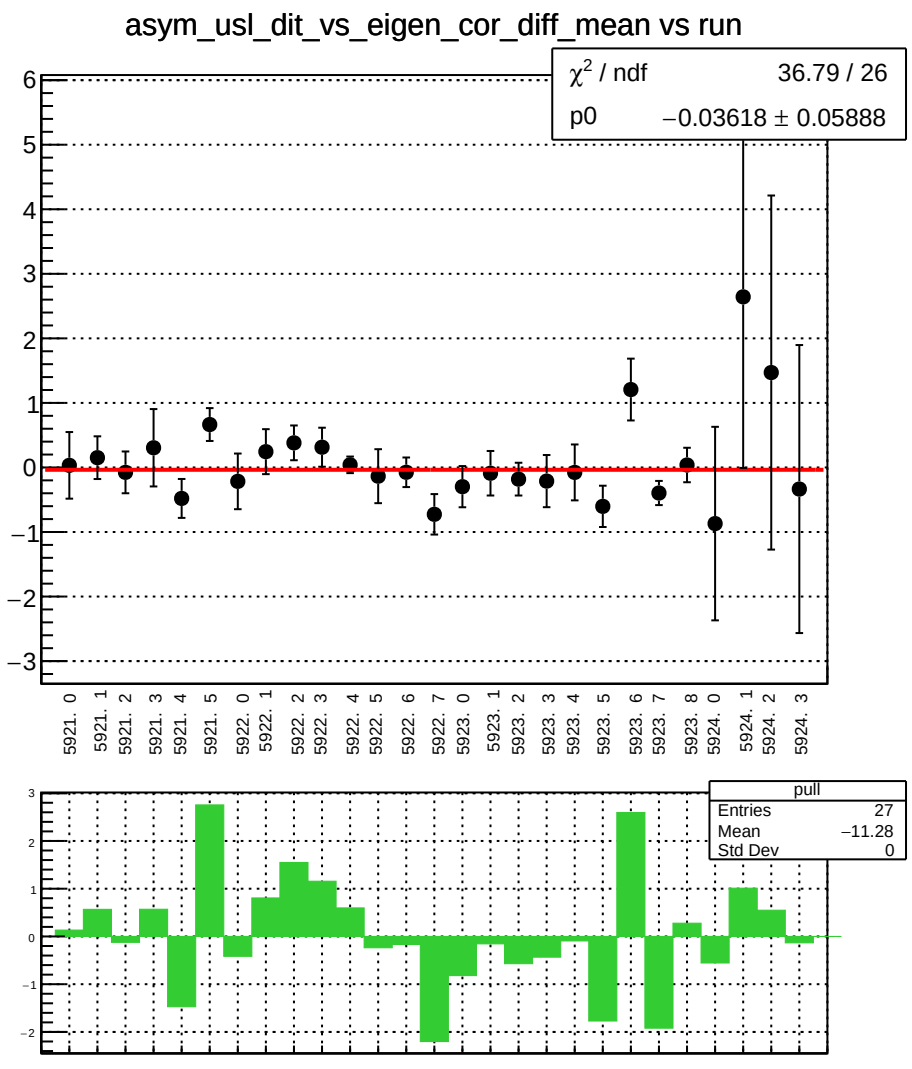

asym_usl_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 25.39 / 26
p0 −1.806e−14 ± 8.676e−14
4
3
2
1
0
−1
−2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 9.927
Std Dev 5.474
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean 0.2796
Std Dev 0.9285
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

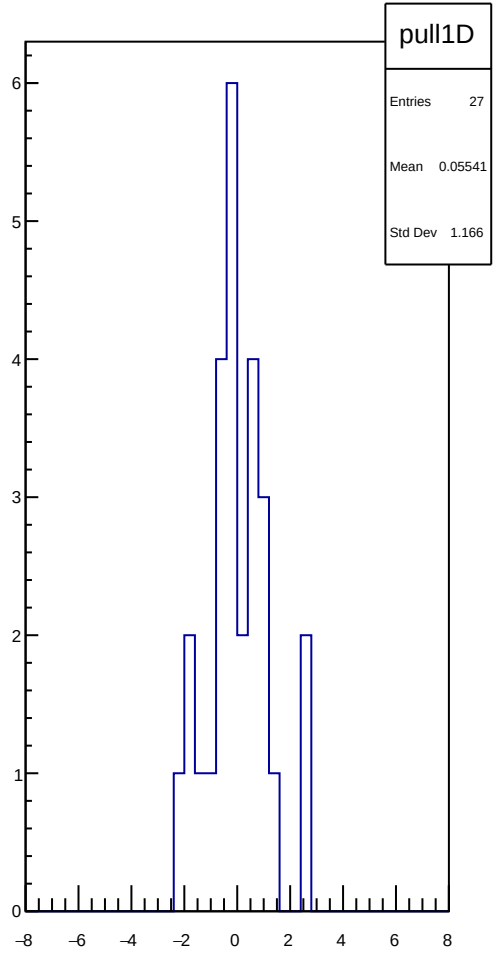

asym_usl_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.106e+05 / 26
p0 3.397e−11 ± 6.135e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

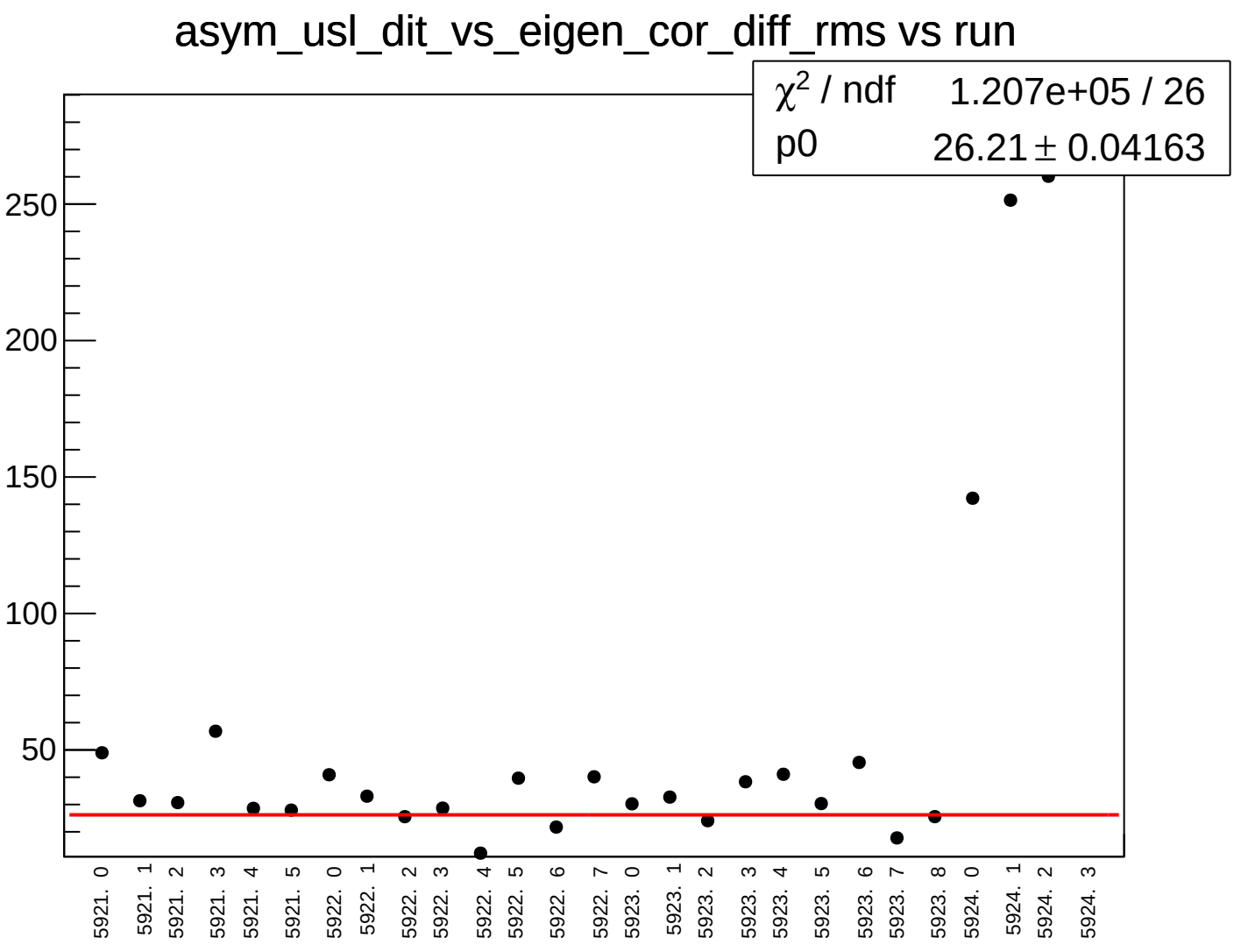

asym_usl_dit_vs_cor_diff_mean vs run
χ² / ndf 36.79 / 26
p0 −0.03618 ± 0.05888
pull
Entries 27
Mean −11.28
Std Dev 0

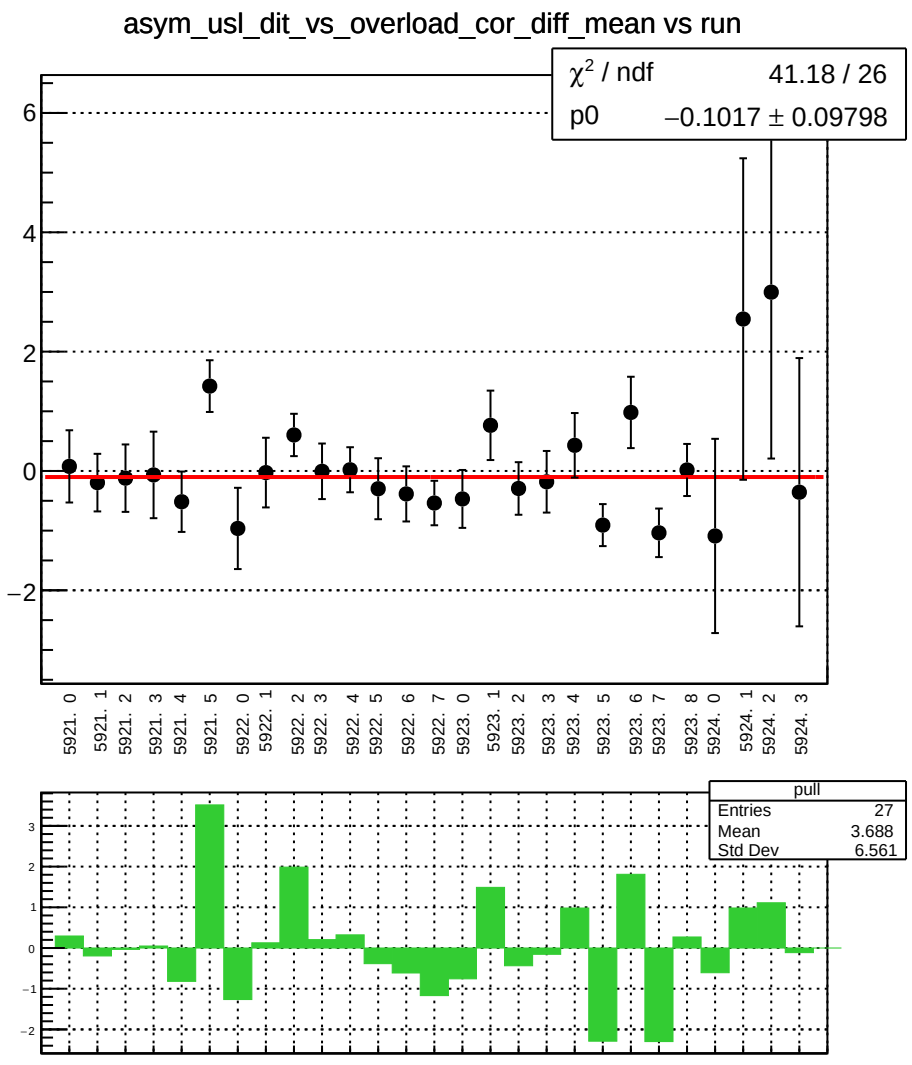

pull1D
Entries 27
Mean 0.05541
Std Dev 1.166

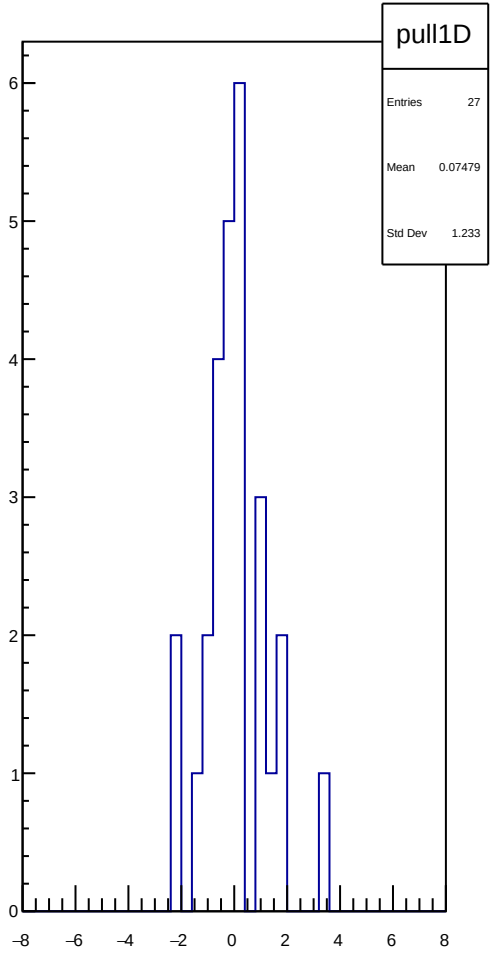

asym_usl_dit_vs_cor_diff_rms vs run
χ² / ndf 1.207e+05 / 26
p0 26.21 ± 0.04163
250
200
150
100
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

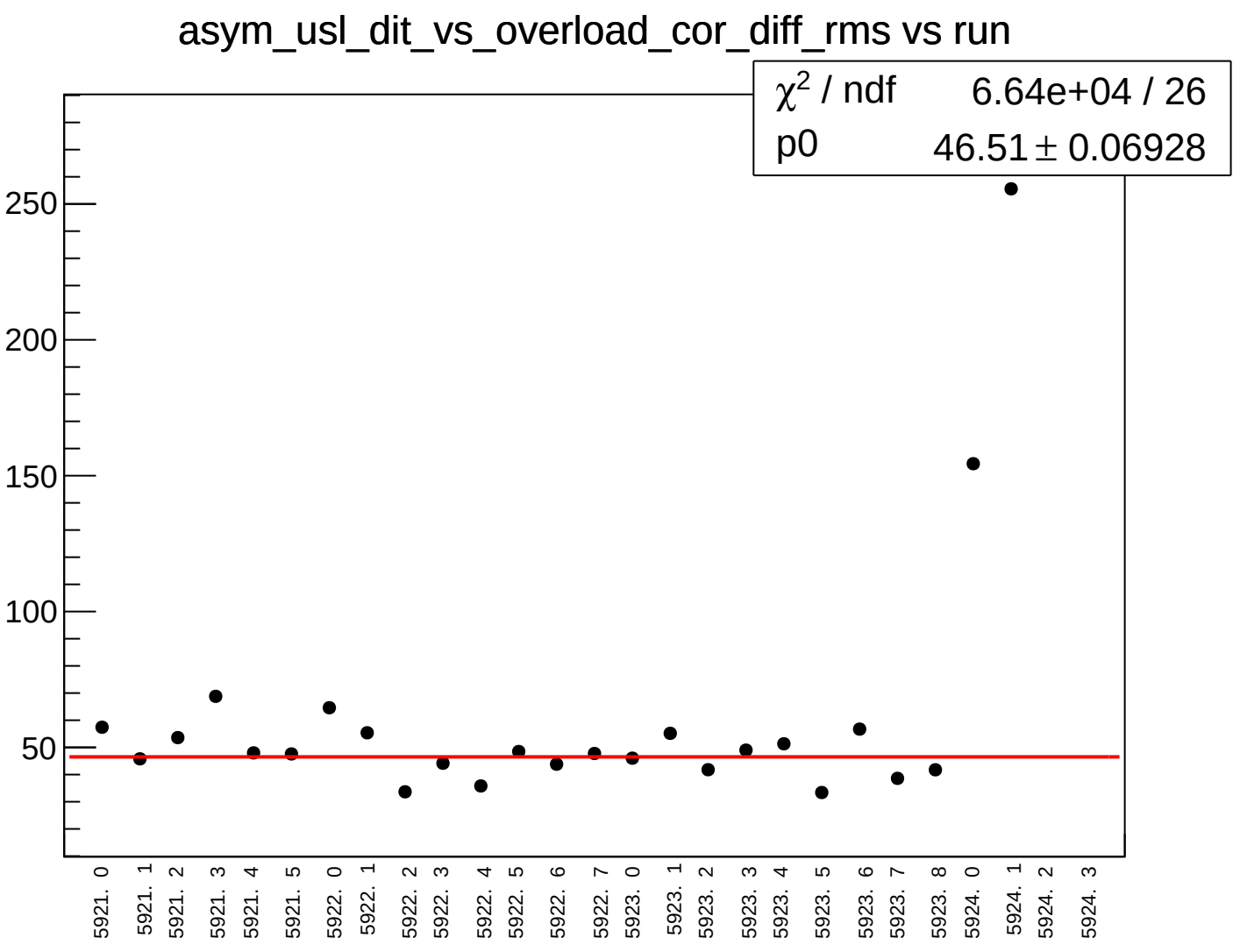

asym_usl_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 36.79 / 26
p0 −0.03618 ± 0.05888
pull
Entries 27
Mean −11.28
Std Dev 0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

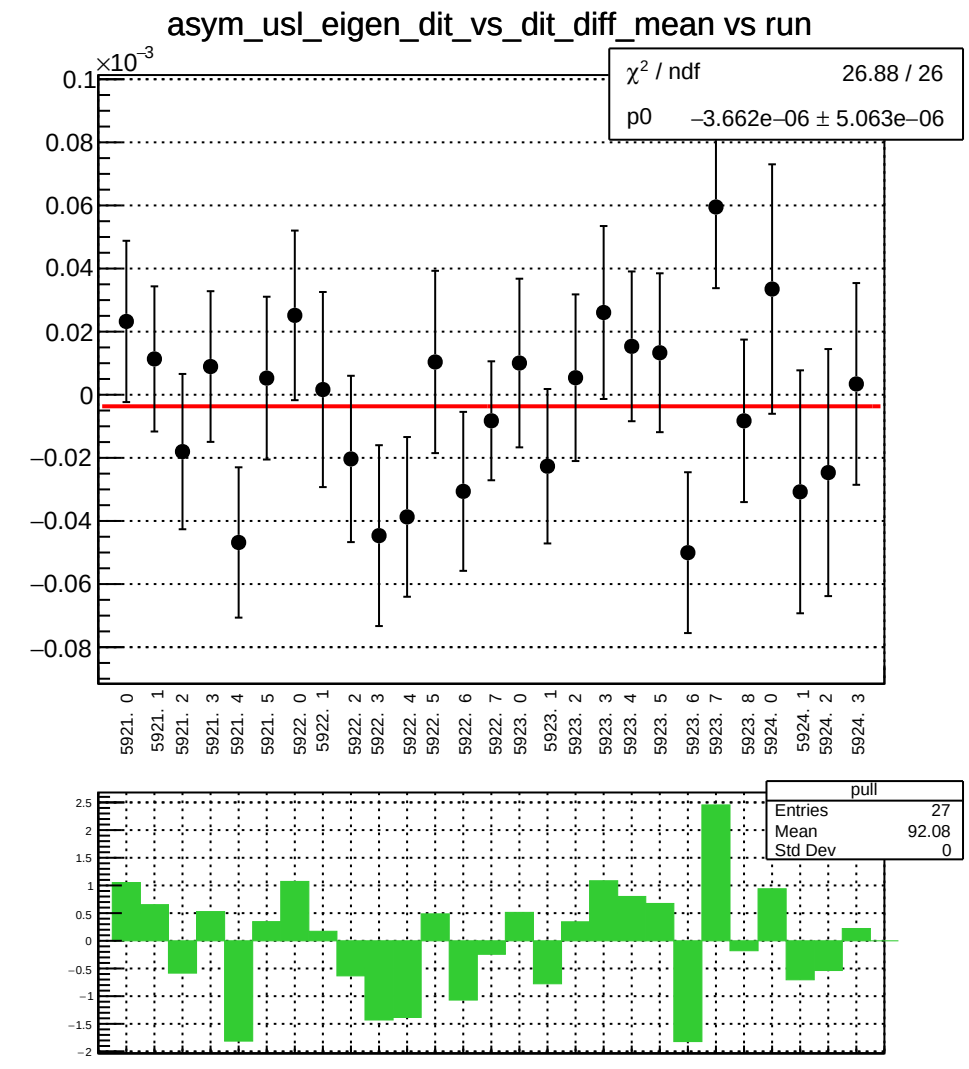

pull1D
Entries 27
Mean 0.05541
Std Dev 1.166

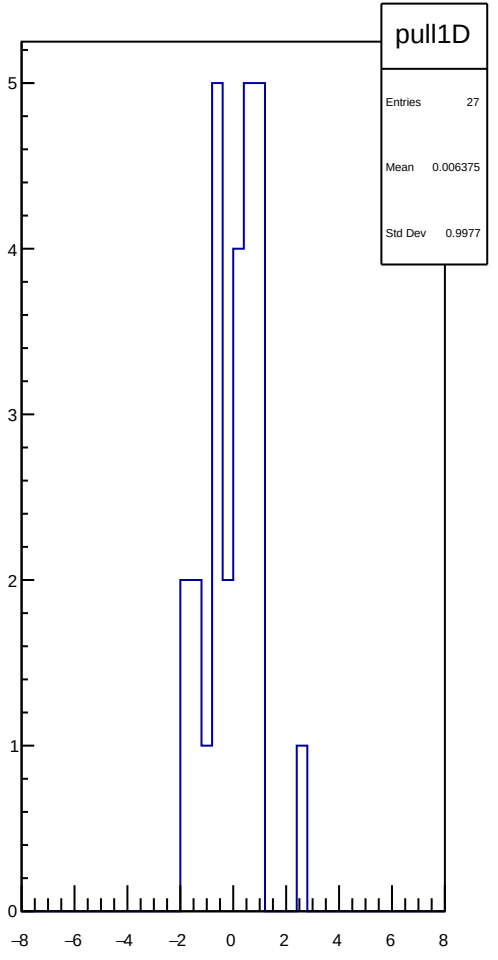

asym_usl_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.207e+05 / 26
p0 26.21 ± 0.04163
250
200
150
100
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

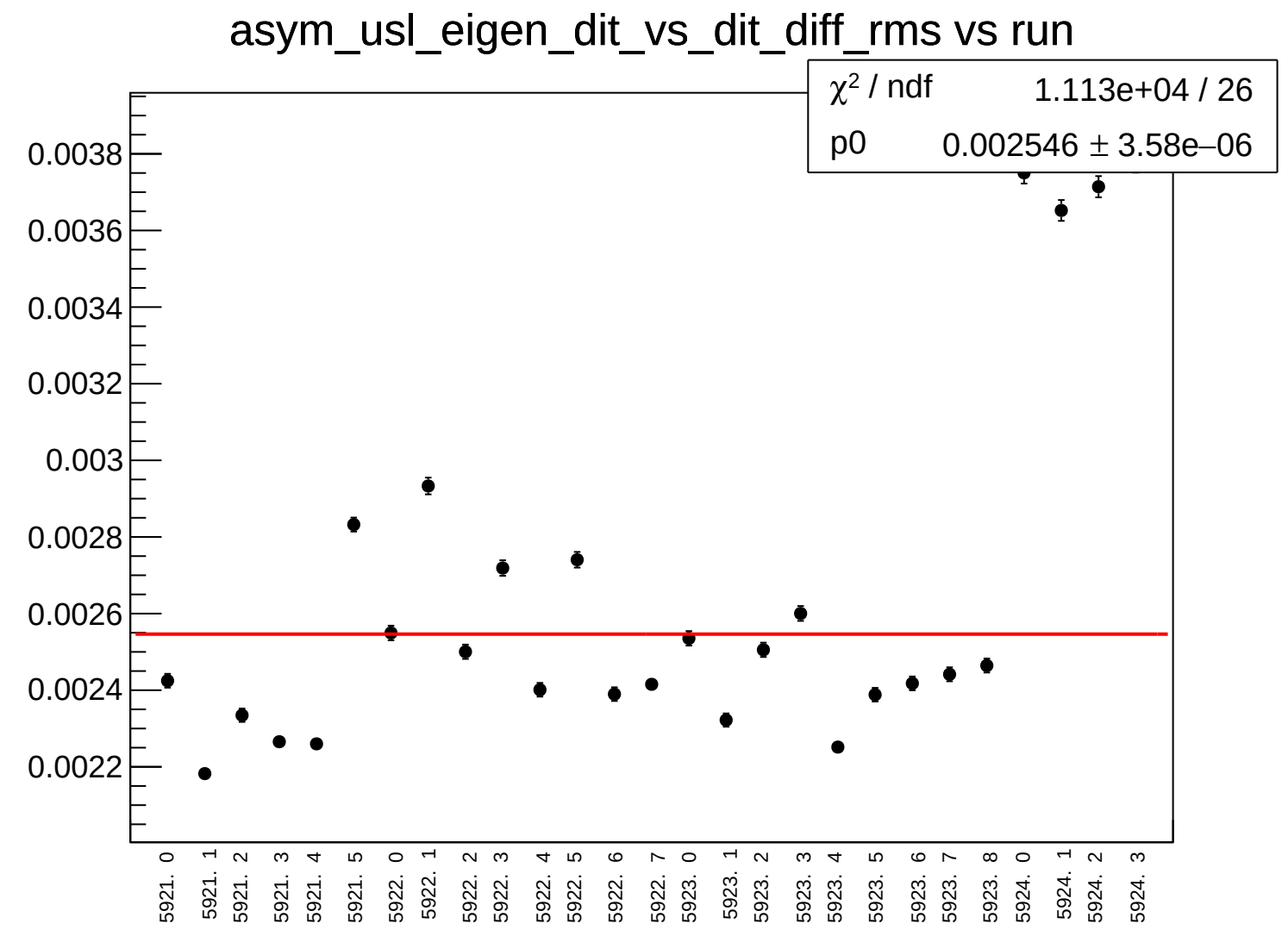

asym_usl_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 41.18 / 26
p0 −0.1017 ± 0.09798
6
4
2
0
−2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 3.688
Std Dev 6.561
3
2
1
0
−1
−2

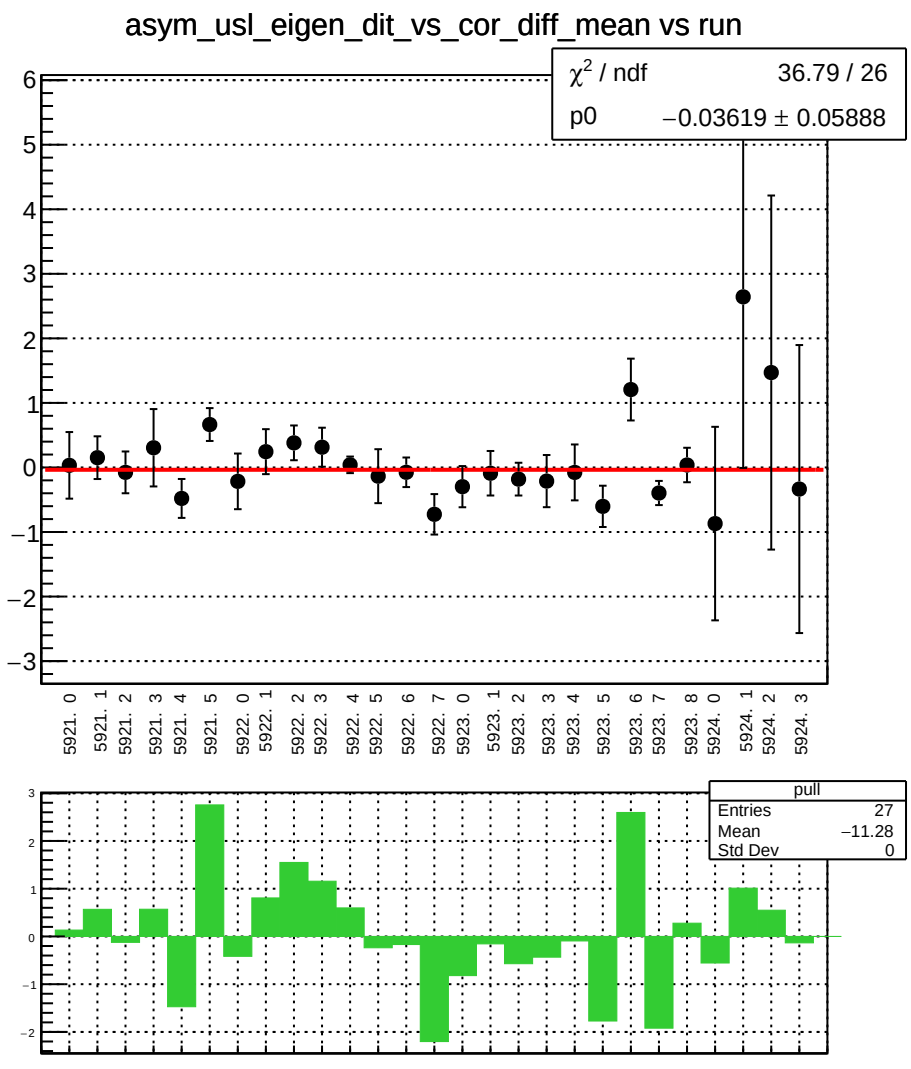

pull1D
Entries 27
Mean 0.07479
Std Dev 1.233
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

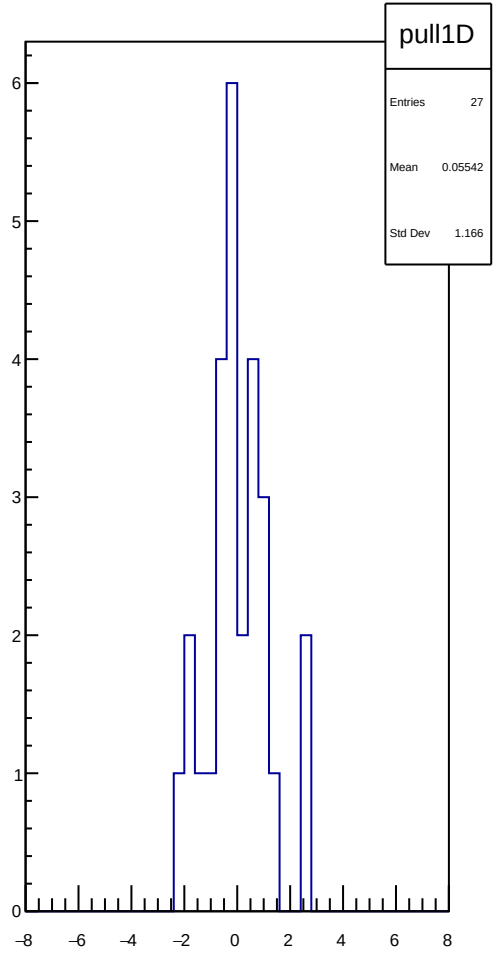

asym_usl_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 6.64e+04 / 26
p0 46.51 ± 0.06928
250
200
150
100
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

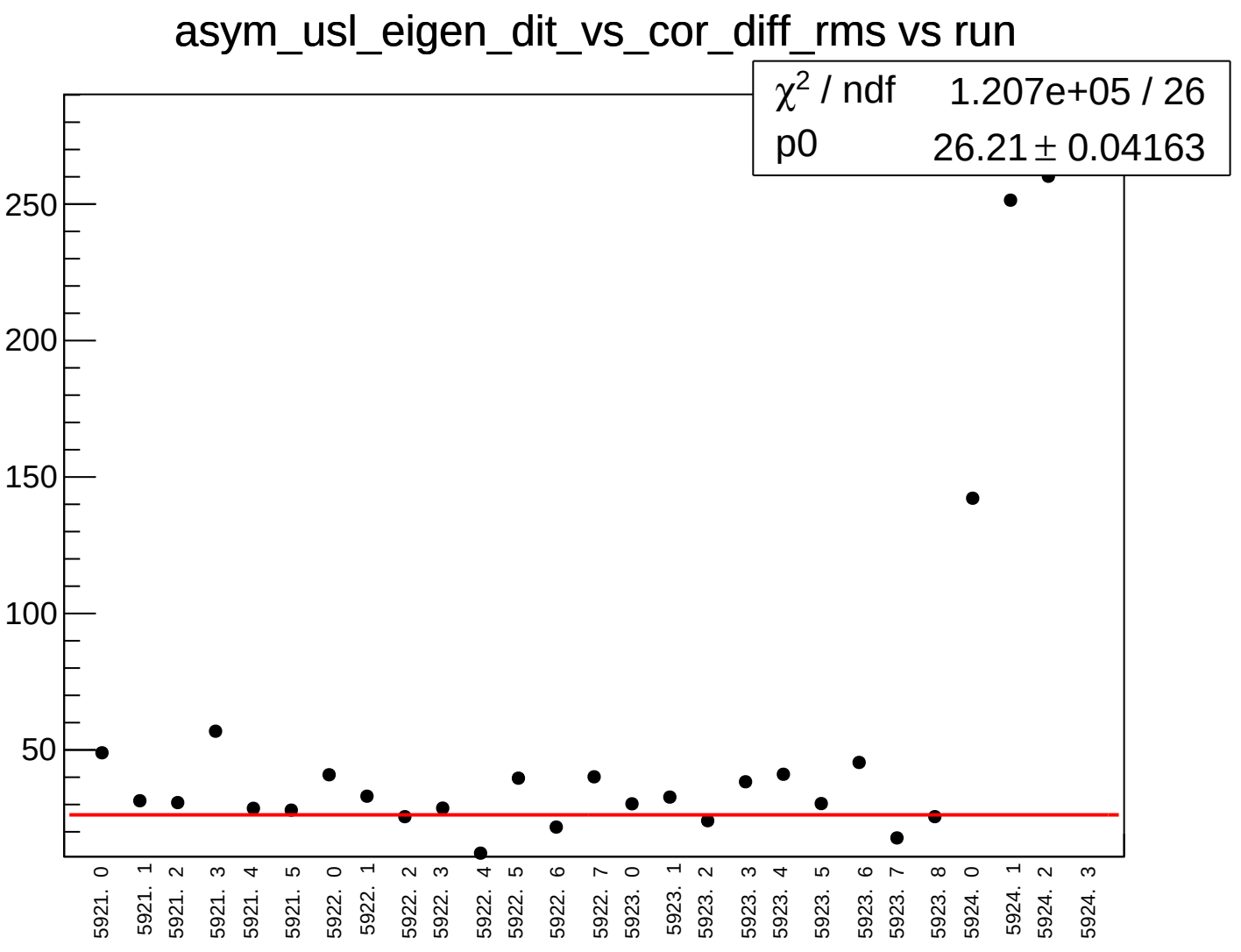

asym_usl_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 26.88 / 26
p0 −3.662e−06 ± 5.063e−06
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 92.08
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

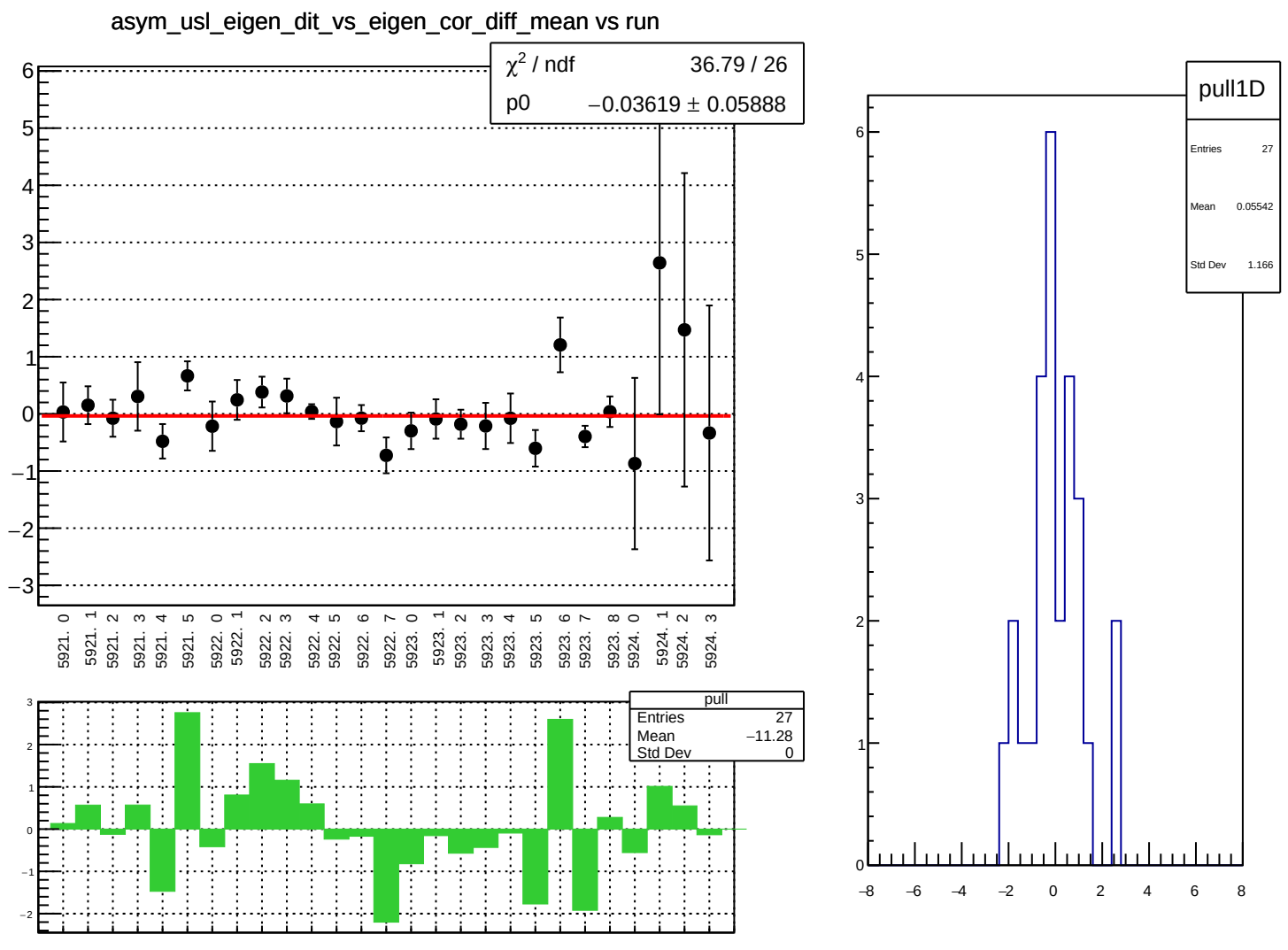

pull1D
Entries 27
Mean 0.006375
Std Dev 0.9977
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

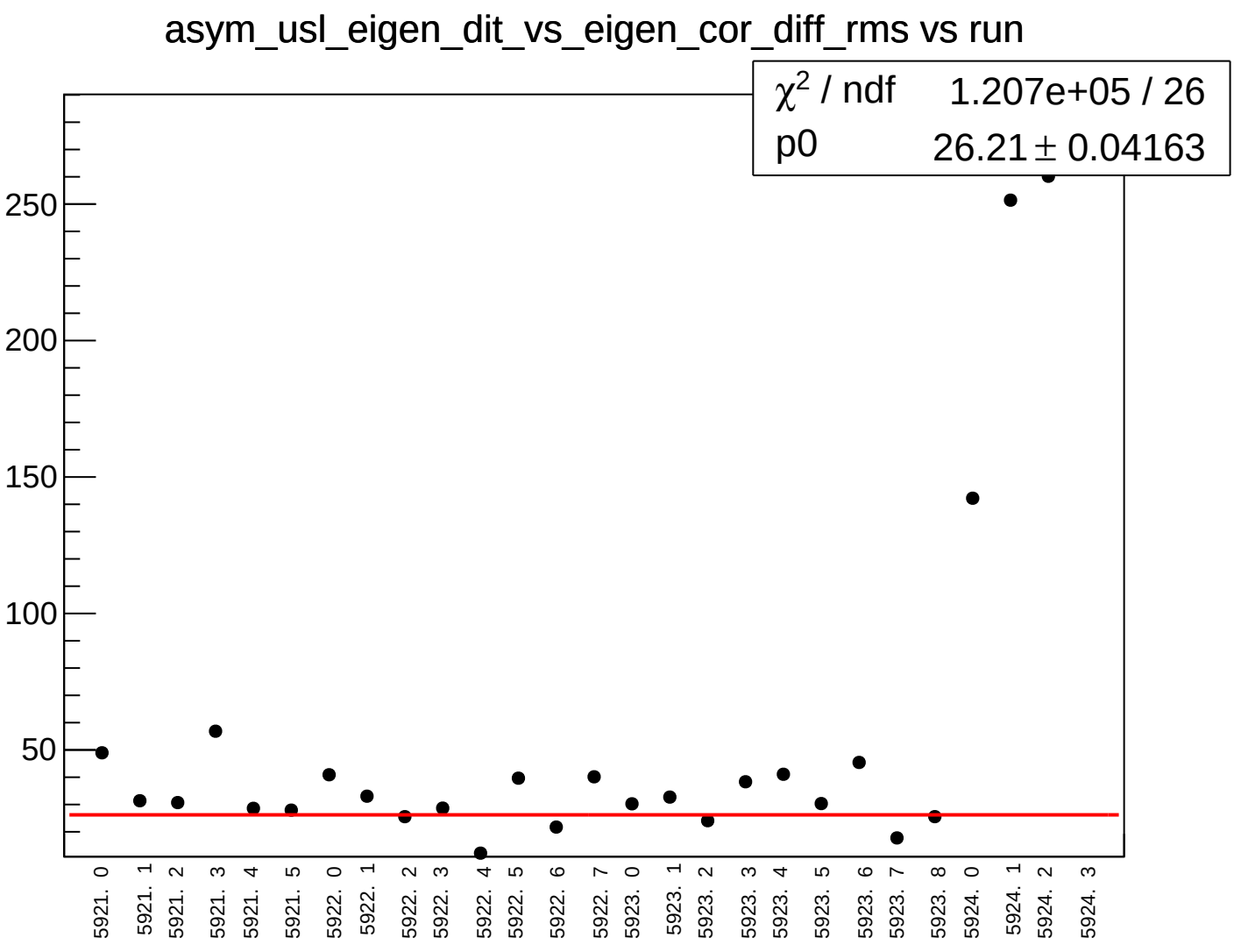

asym_usl_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.113e+04 / 26
p0 0.002546 ± 3.58e−06
0.0038
0.0036
0.0034
0.0032
0.003
0.0028
0.0026
0.0024
0.0022
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

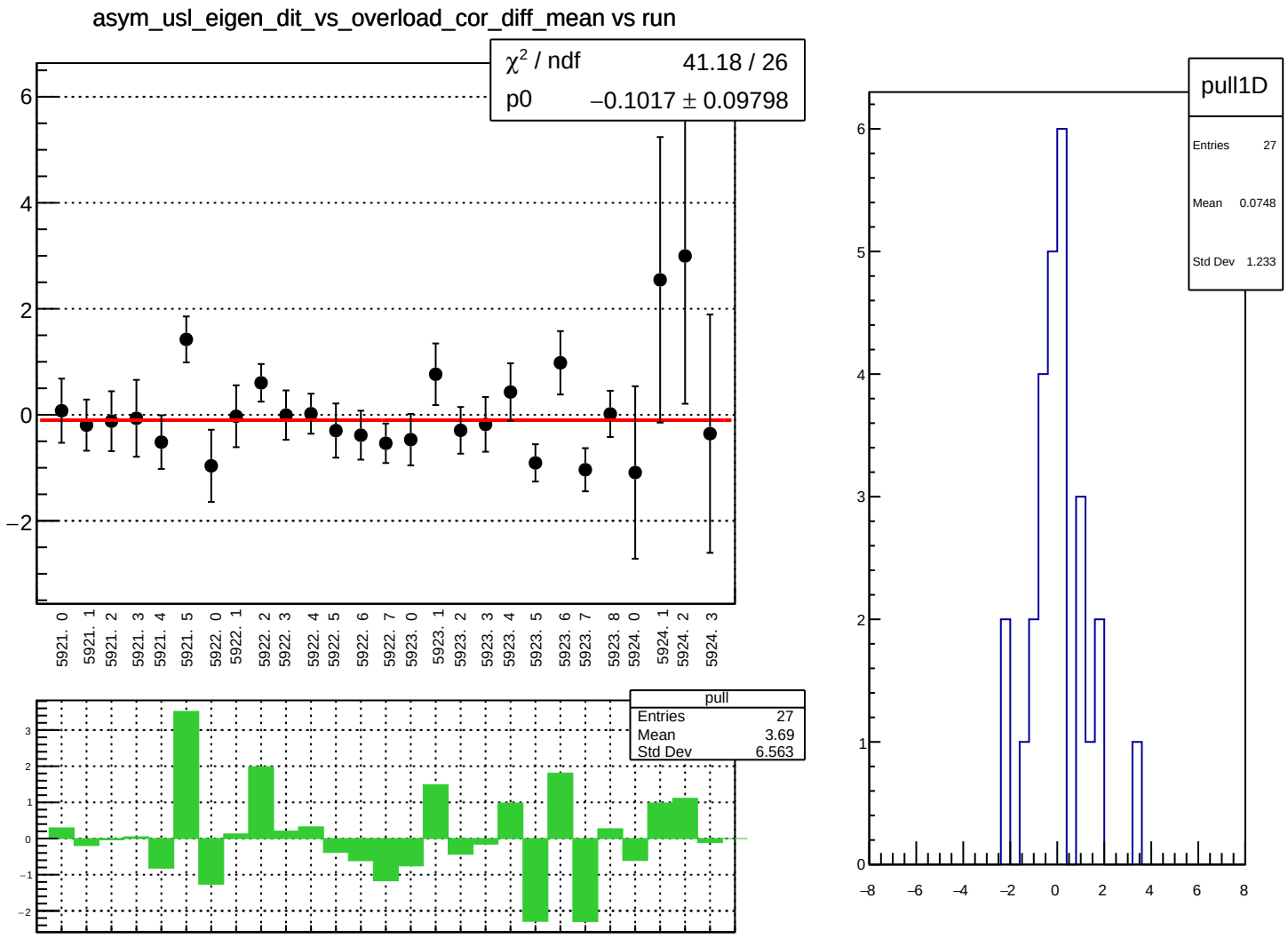

asym_usl_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 36.79 / 26
p0 −0.03619 ± 0.05888
6
5
4
3
2
1
0
−1
−2
−3
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −11.28
Std Dev 0
3
2
1
0
−1
−2

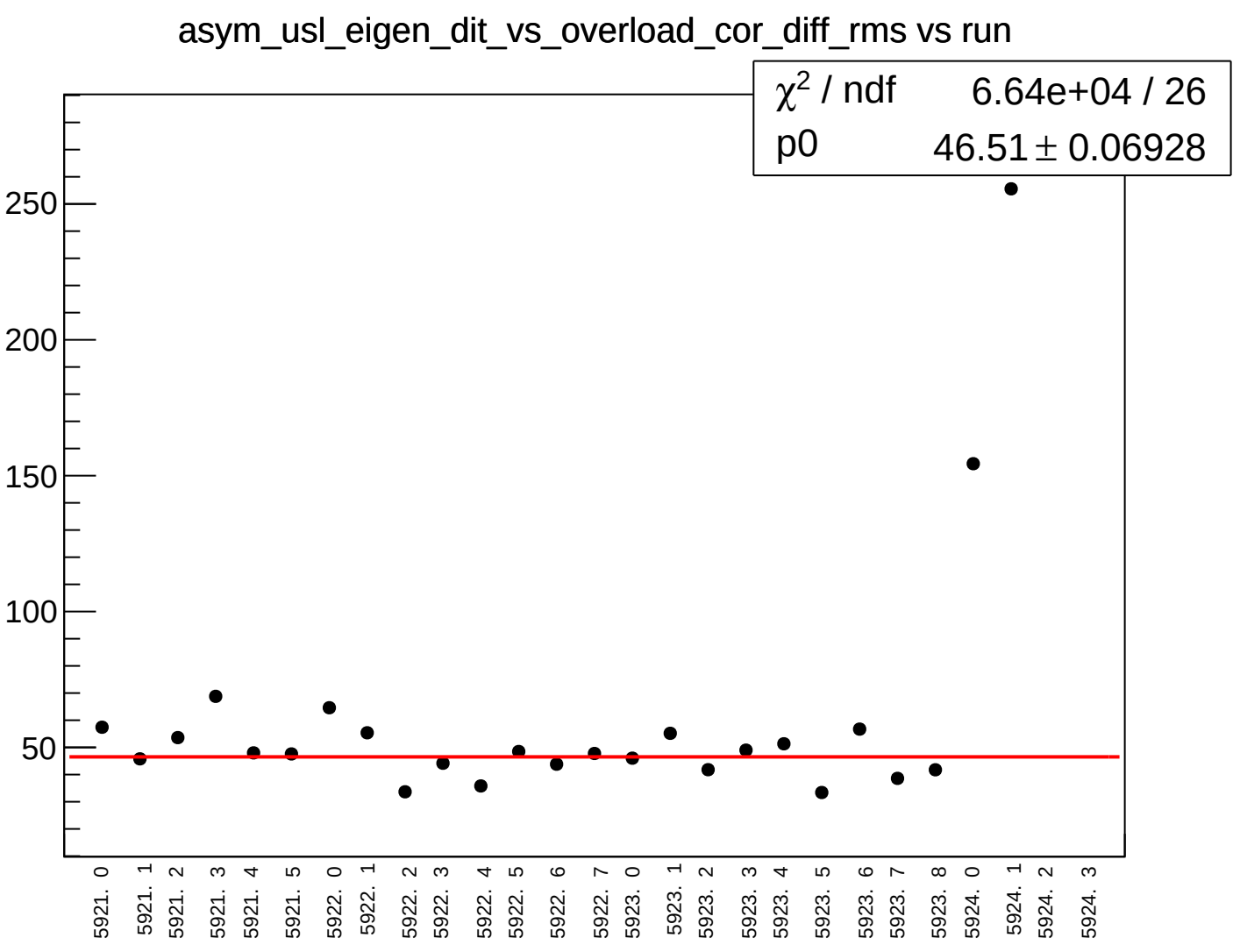

pull1D
Entries 27
Mean 0.05542
Std Dev 1.166
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

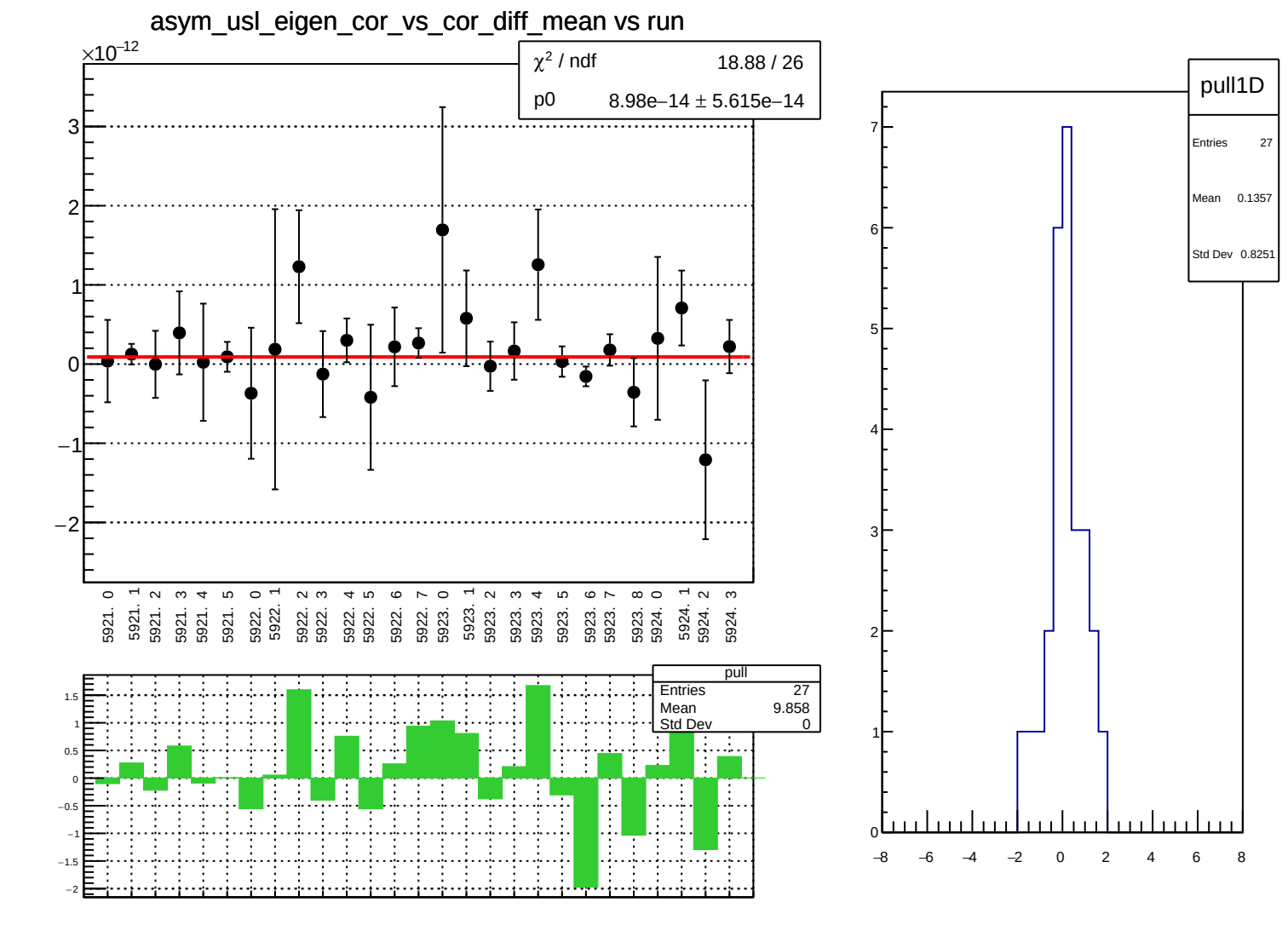

asym_usl_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.207e+05 / 26
p0 26.21 ± 0.04163
250
200
150
100
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

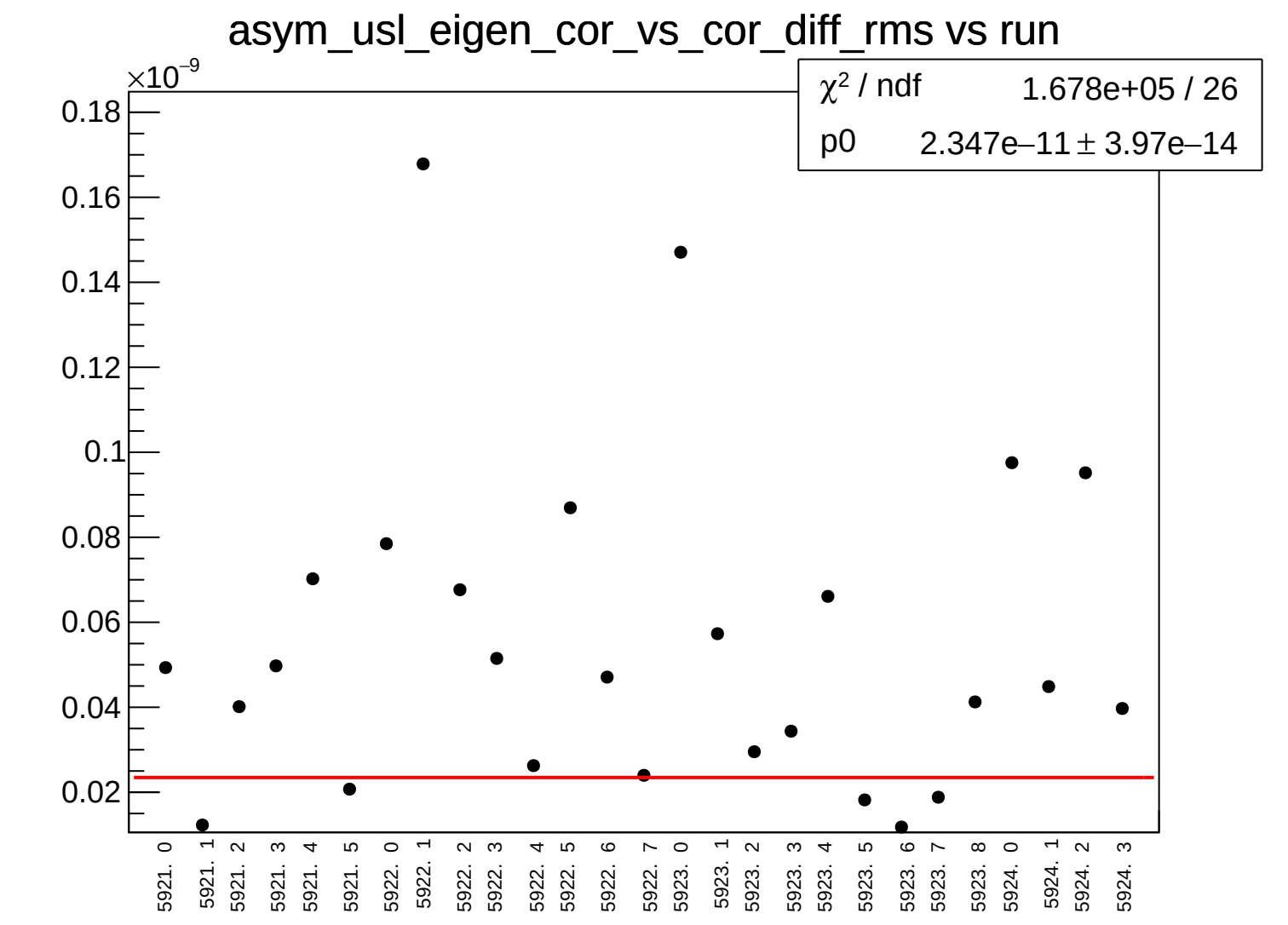

asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 36.79 / 26
p0 −0.03619 ± 0.05888
pull
Entries 27
Mean −11.28
Std Dev 0
pull1D
Entries 27
Mean 0.05542
Std Dev 1.166

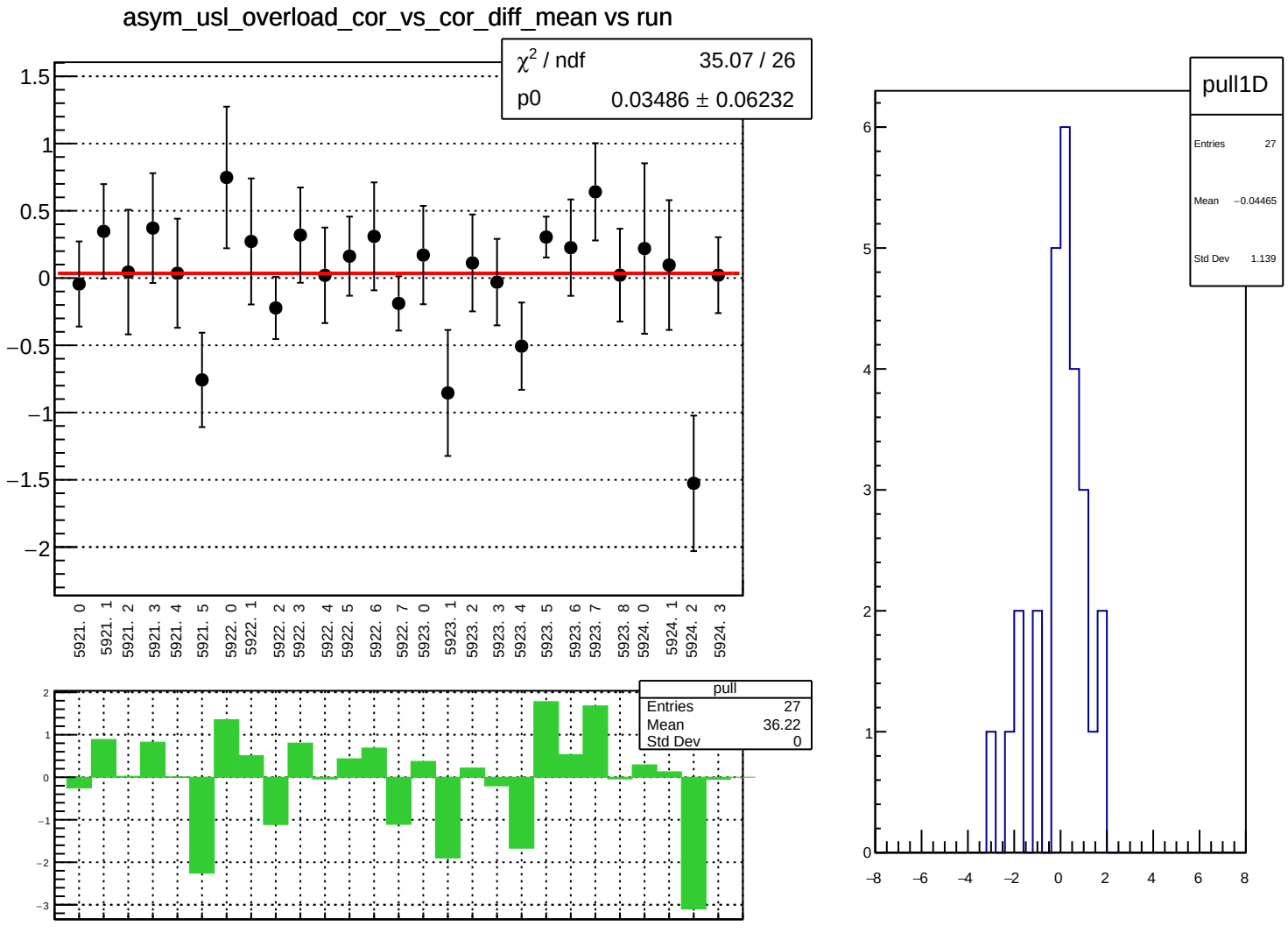

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.207e+05 / 26
p0 26.21 ± 0.04163
250
200
150
100
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

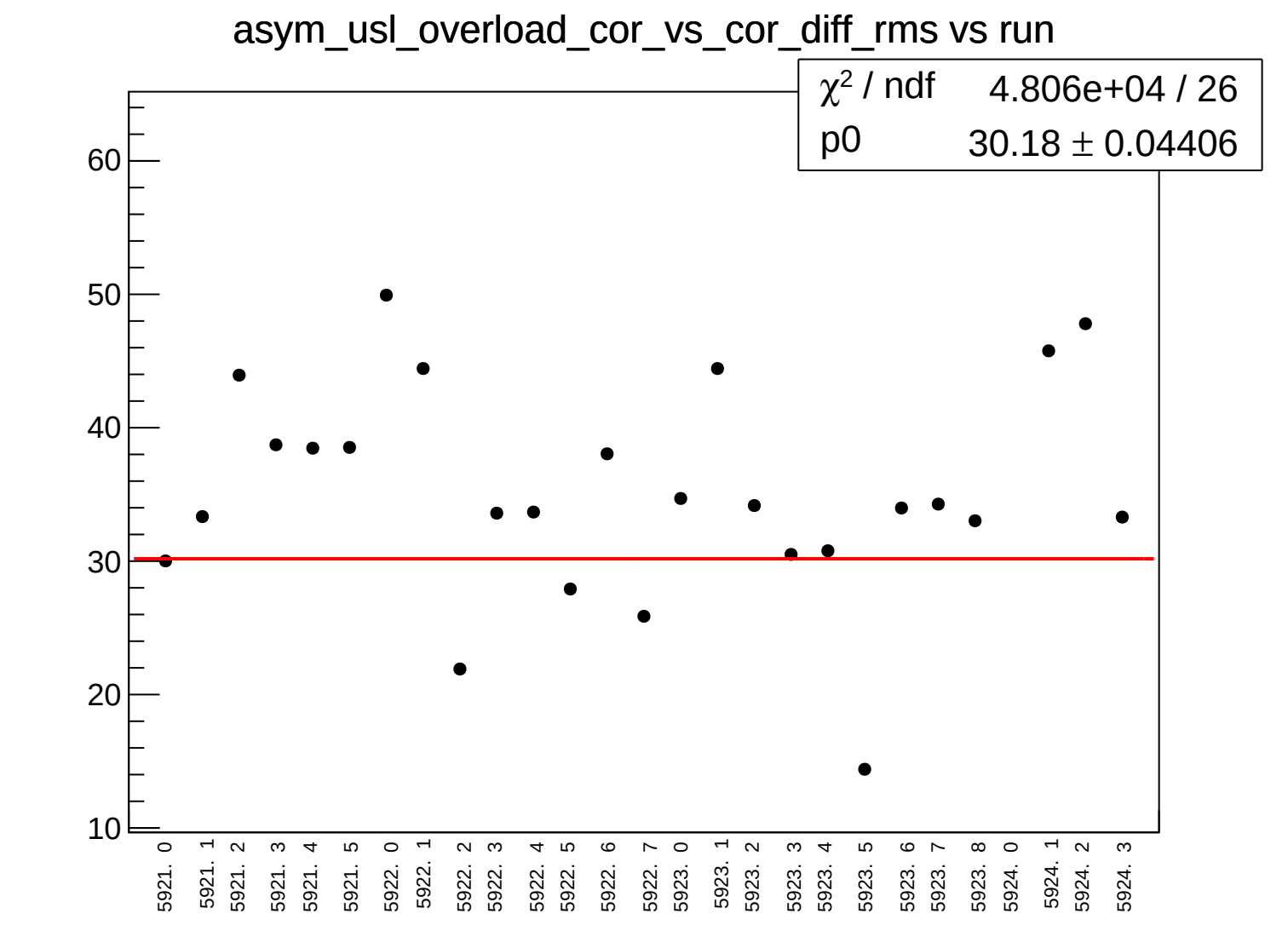

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 41.18 / 26
p0 −0.1017 ± 0.09798
6
4
2
0
−2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 3.69
Std Dev 6.563
3
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.0748
Std Dev 1.233
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

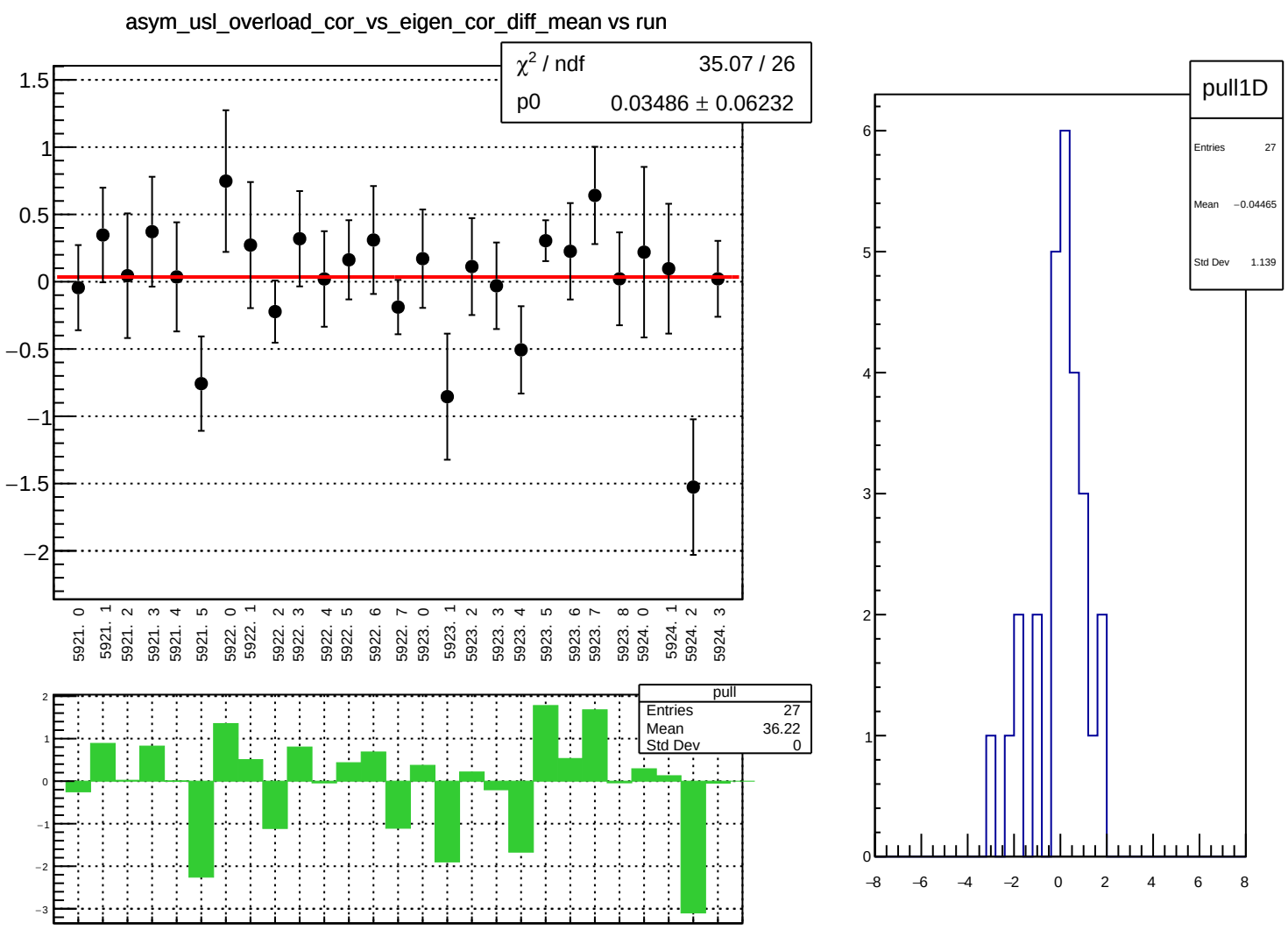

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 6.64e+04 / 26
p0 46.51 ± 0.06928
250
200
150
100
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

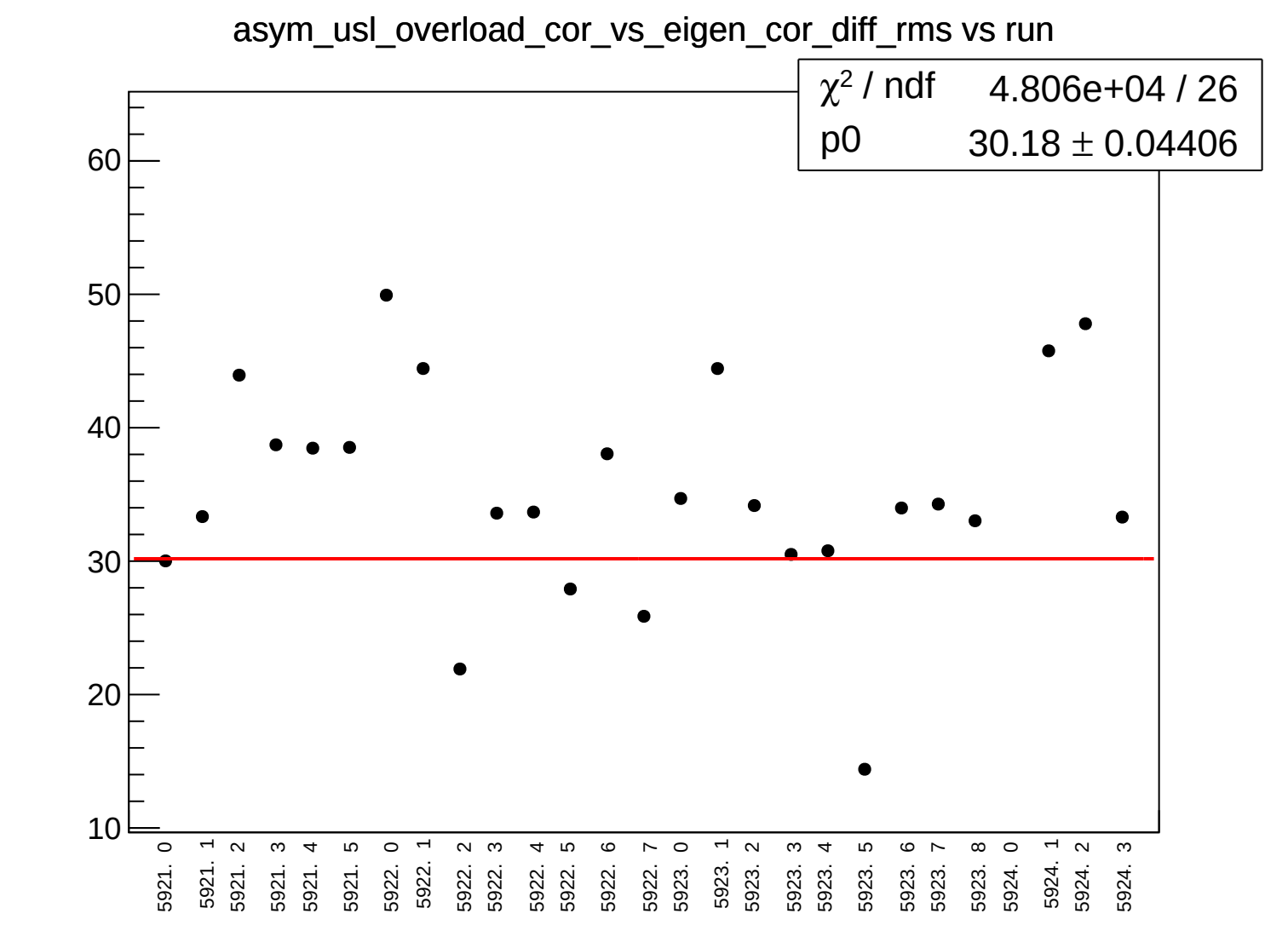

asym_usl_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 18.88 / 26
p0 8.98e−14 ± 5.615e−14
3
2
1
0
−1
−2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 9.858
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean 0.1357
Std Dev 0.8251
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

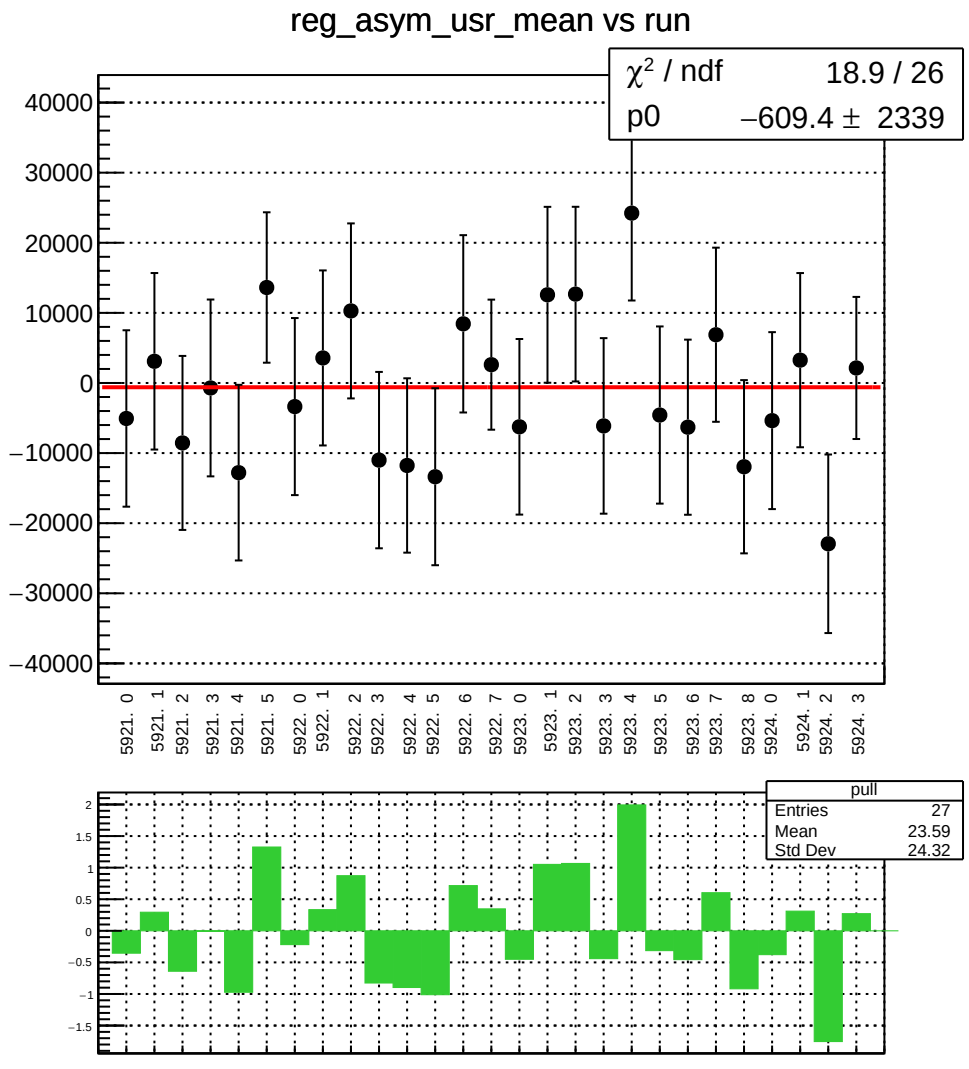

asym_usl_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.678e+05 / 26
p0 2.347e−11 ± 3.97e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

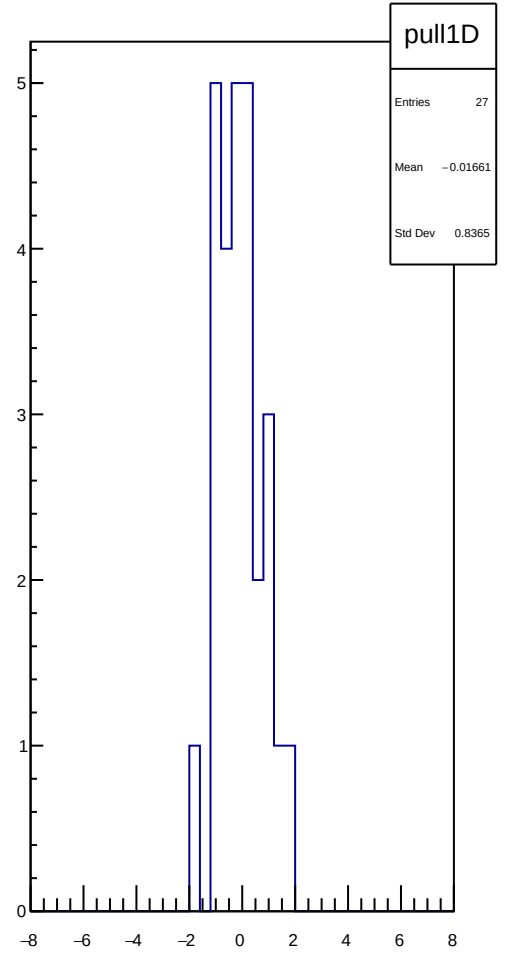

asym_usl_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 35.07 / 26
p0 0.03486 ± 0.06232
1.5
1
0.5
0
−0.5
−1
−1.5
−2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 36.22
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 27
Mean −0.04465
Std Dev 1.139
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

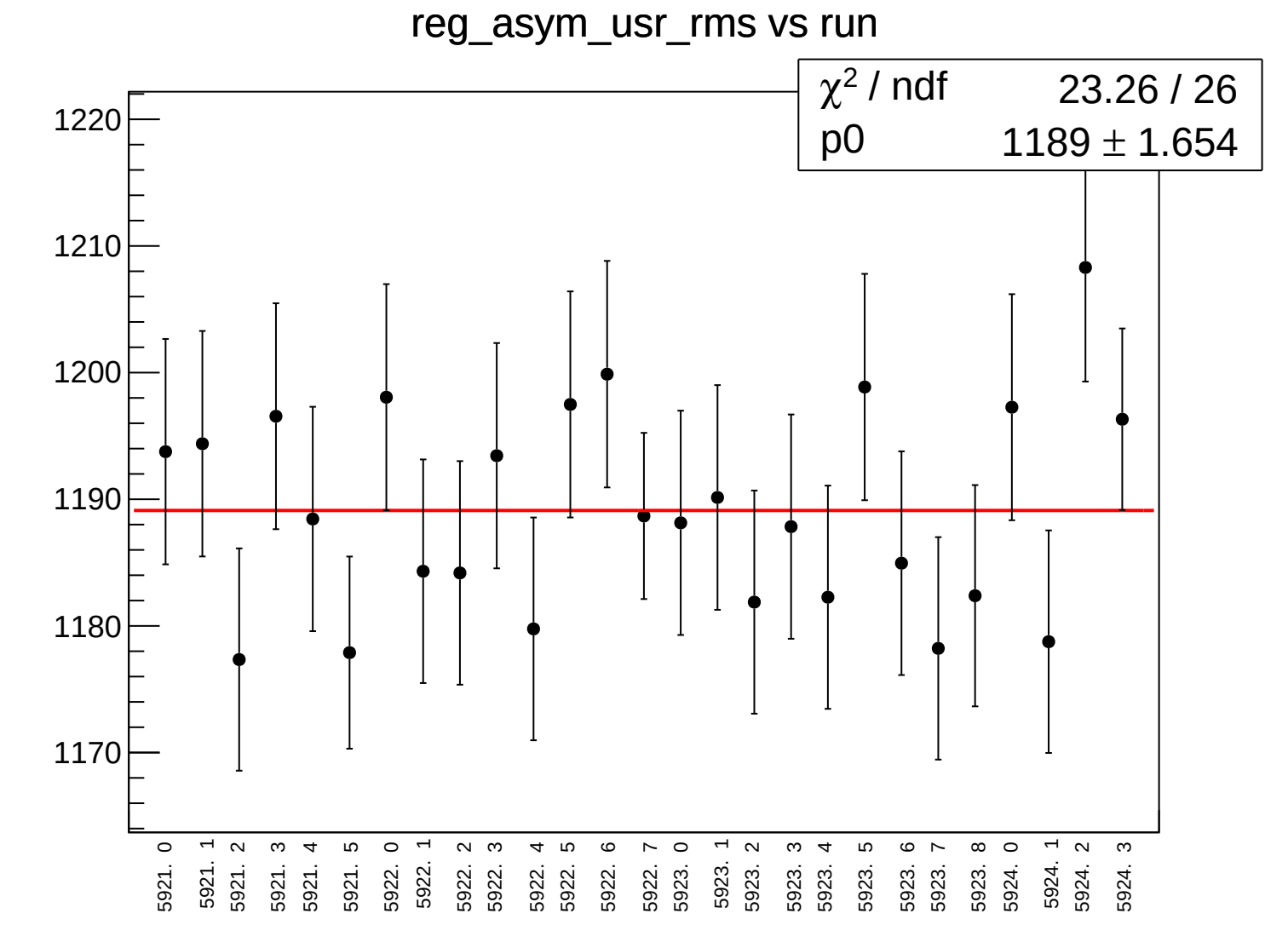

asym_usl_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 4.806e+04 / 26
p0 30.18 ± 0.04406
60
50
40
30
20
10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

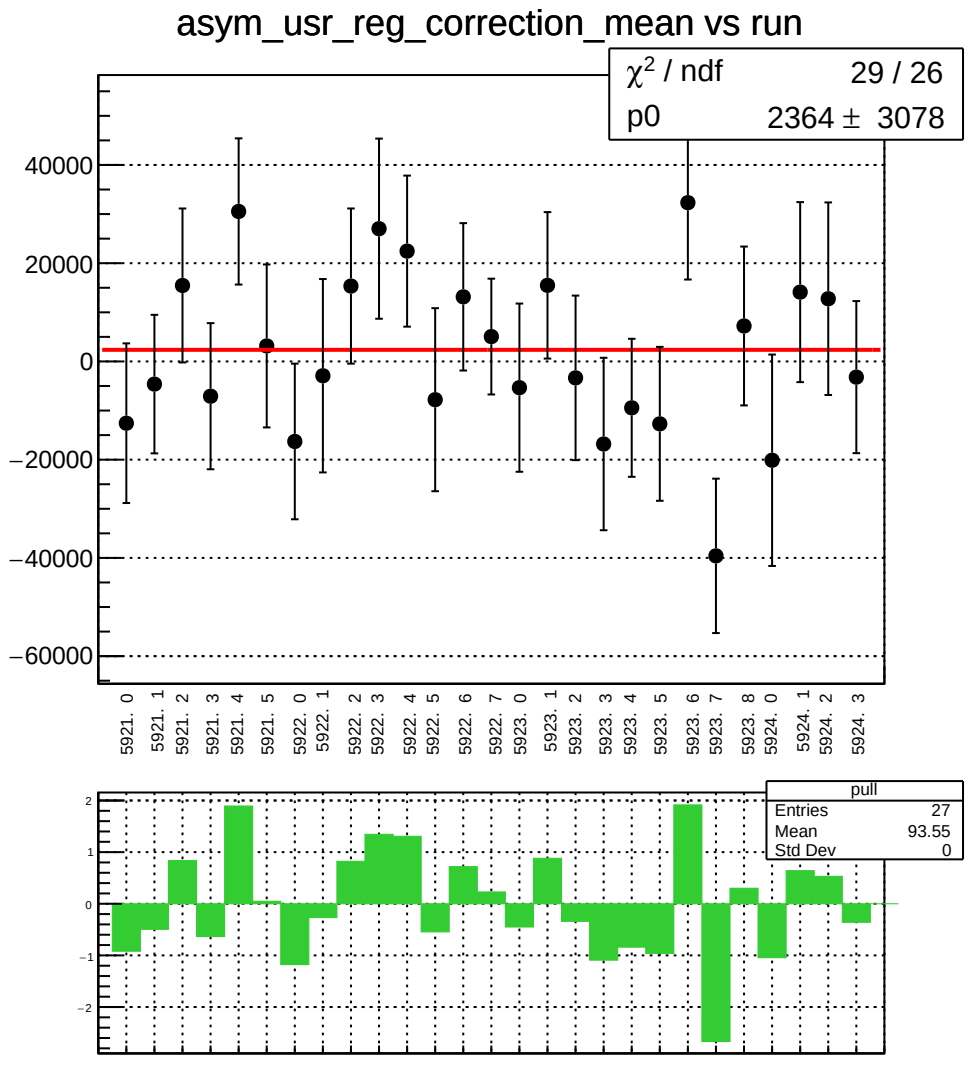

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 35.07 / 26
p0 0.03486 ± 0.06232
1.5
1
0.5
0
−0.5
−1
−1.5
−2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 36.22
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 27
Mean −0.04465
Std Dev 1.139
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

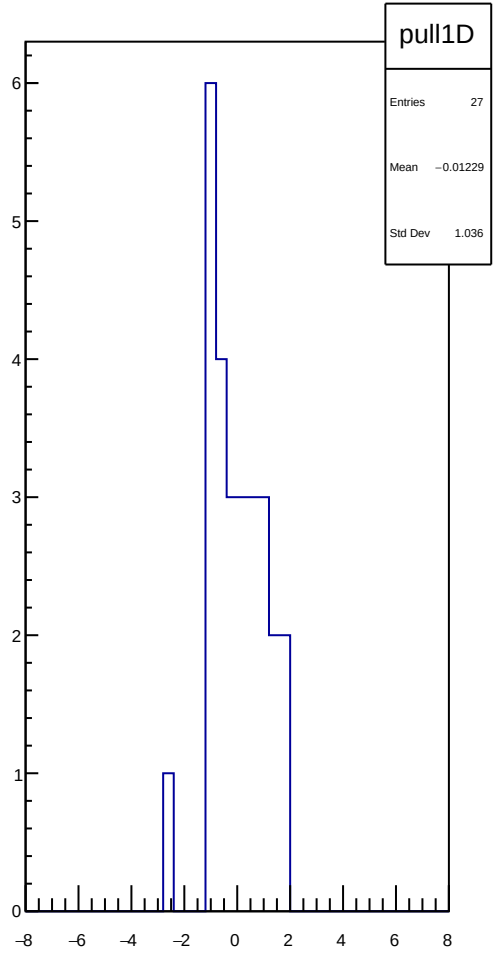

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.806e+04 / 26
p0 30.18 ± 0.04406
60
50
40
30
20
10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

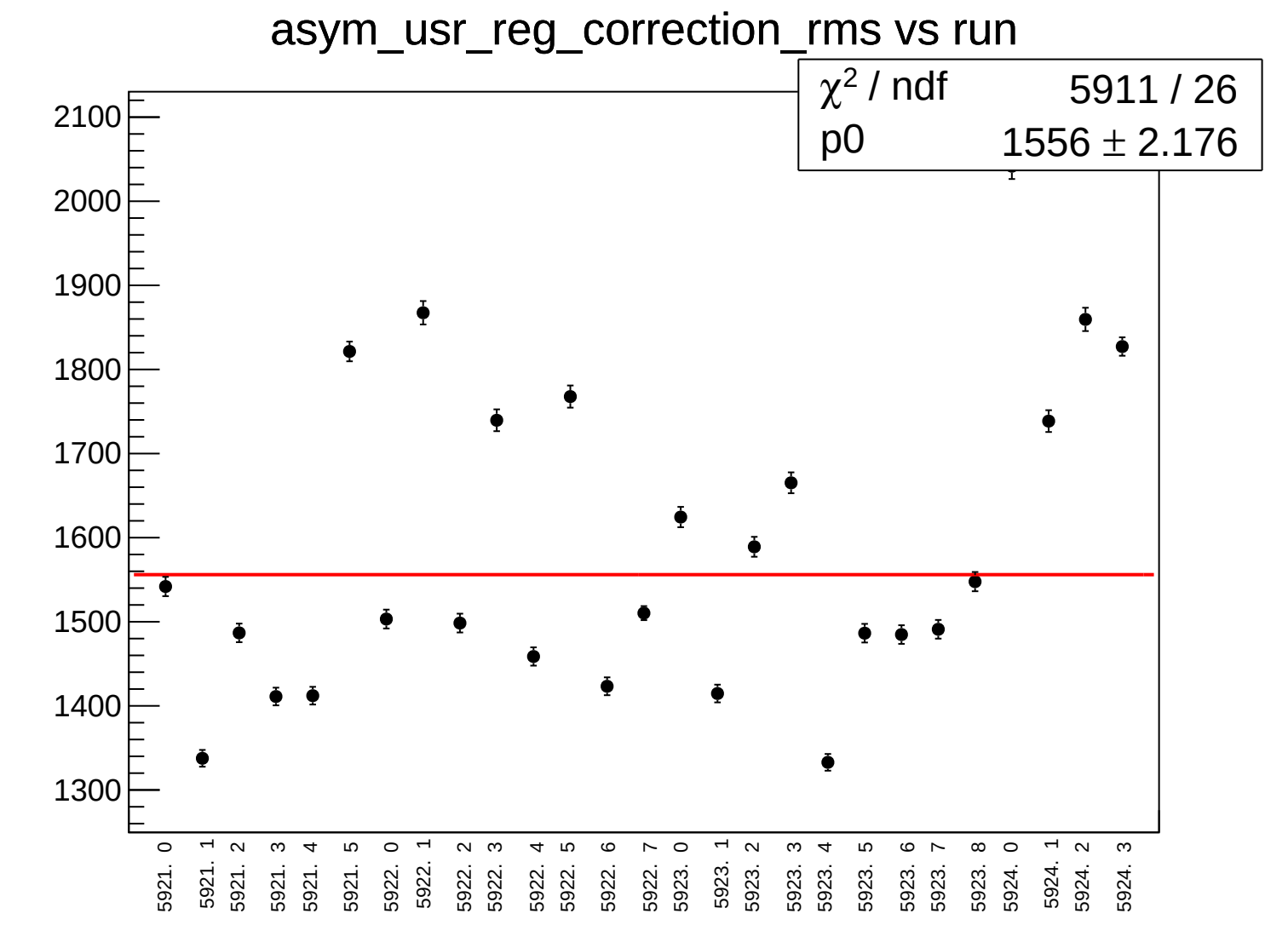

reg_asym_usr_mean vs run
χ² / ndf 18.9 / 26
p0 −609.4 ± 2339
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 23.59
Std Dev 24.32
2
1.5
1
0.5
0
−0.5
−1
−1.5

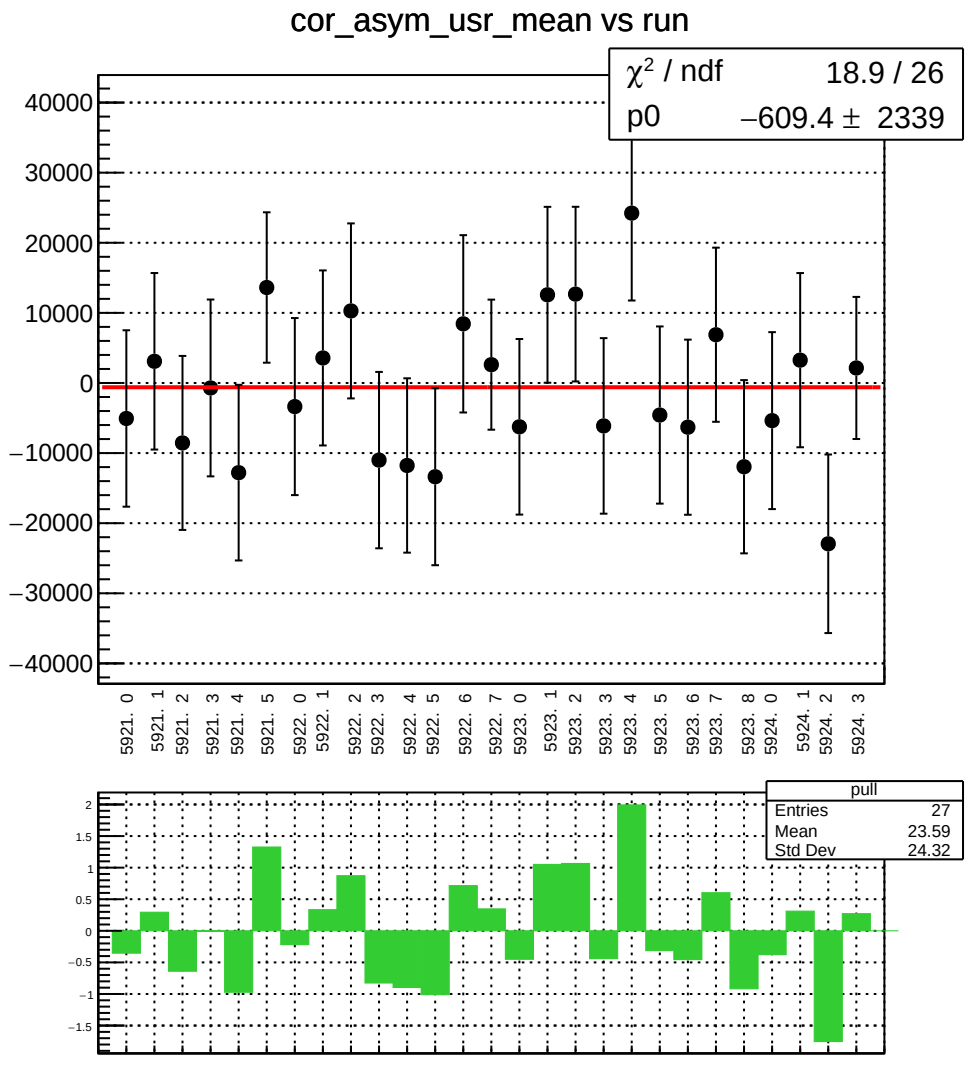

pull1D
Entries 27
Mean −0.01661
Std Dev 0.8365
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

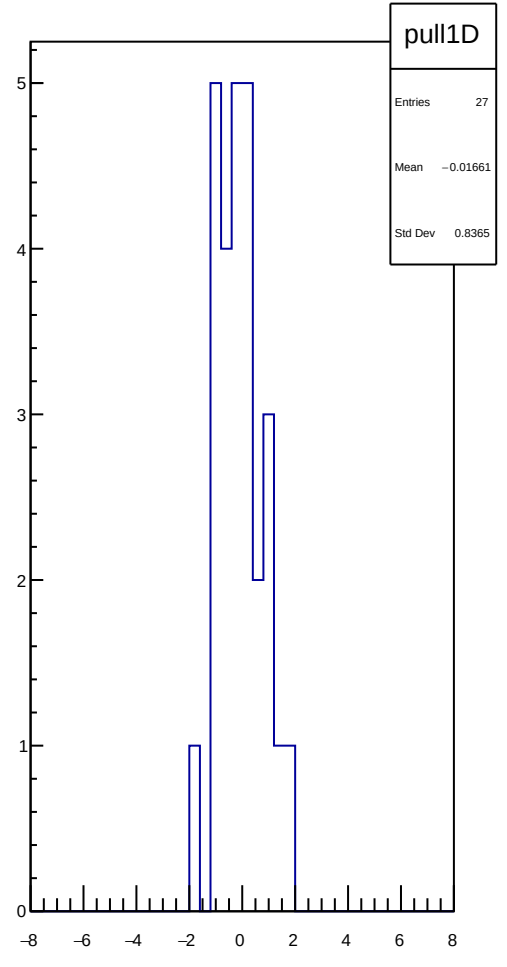

reg_asym_usr_rms vs run
χ² / ndf 23.26 / 26
p0 1189 ± 1.654
1220
1210
1200
1190
1180
1170
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

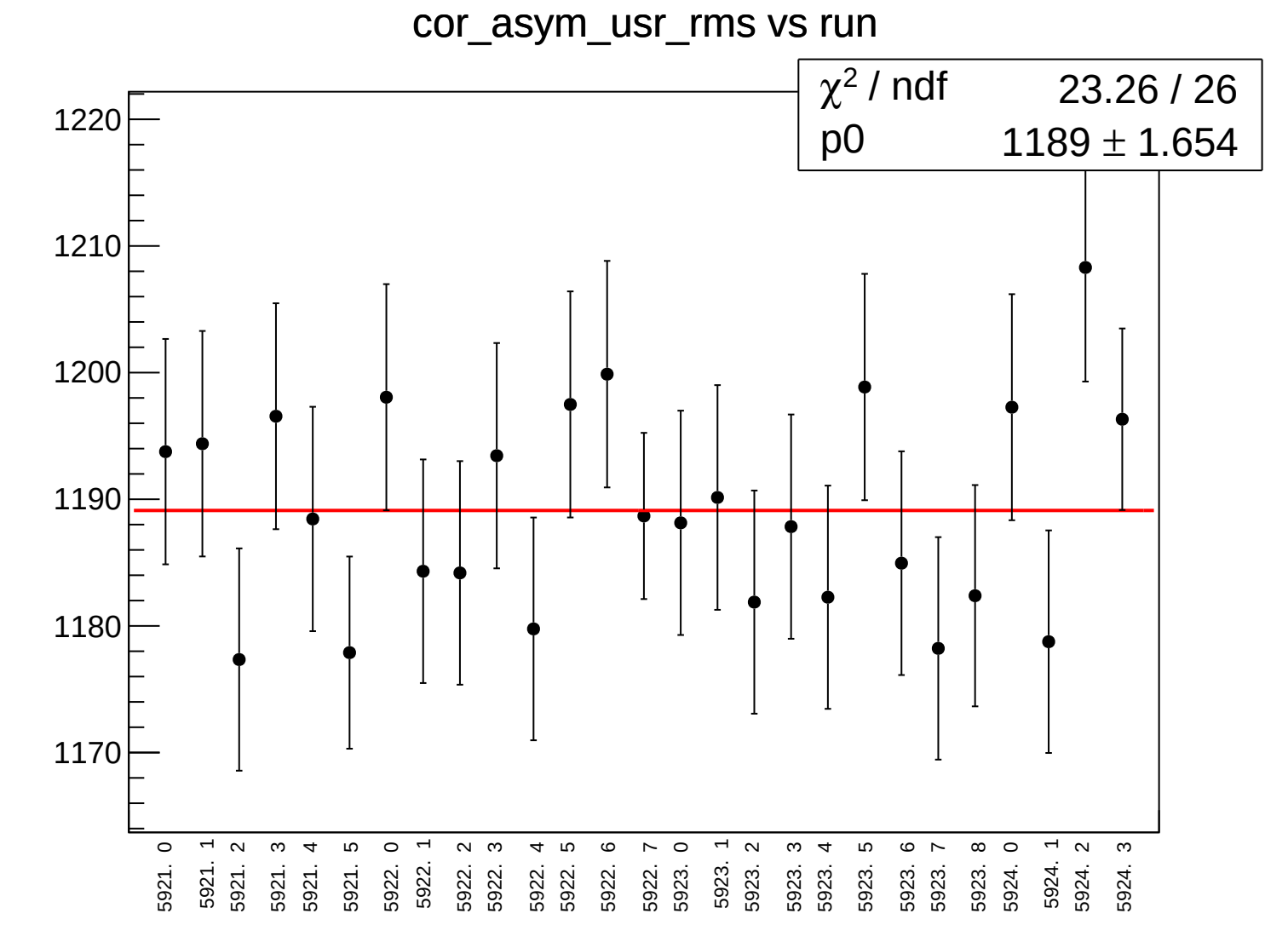

asym_usr_reg_correction_mean vs run
χ² / ndf 29 / 26
p0 2364 ± 3078
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 93.55
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 27
Mean −0.01229
Std Dev 1.036
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_reg_correction_rms vs run
χ² / ndf 5911 / 26
p0 1556 ± 2.176
2100
2000
1900
1800
1700
1600
1500
1400
1300
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


cor_asym_usr_mean vs run
χ² / ndf 18.9 / 26
p0 −609.4 ± 2339
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 23.59
Std Dev 24.32
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 27
Mean −0.01661
Std Dev 0.8365
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_usr_rms vs run
χ² / ndf 23.26 / 26
p0 1189 ± 1.654
1220
1210
1200
1190
1180
1170
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
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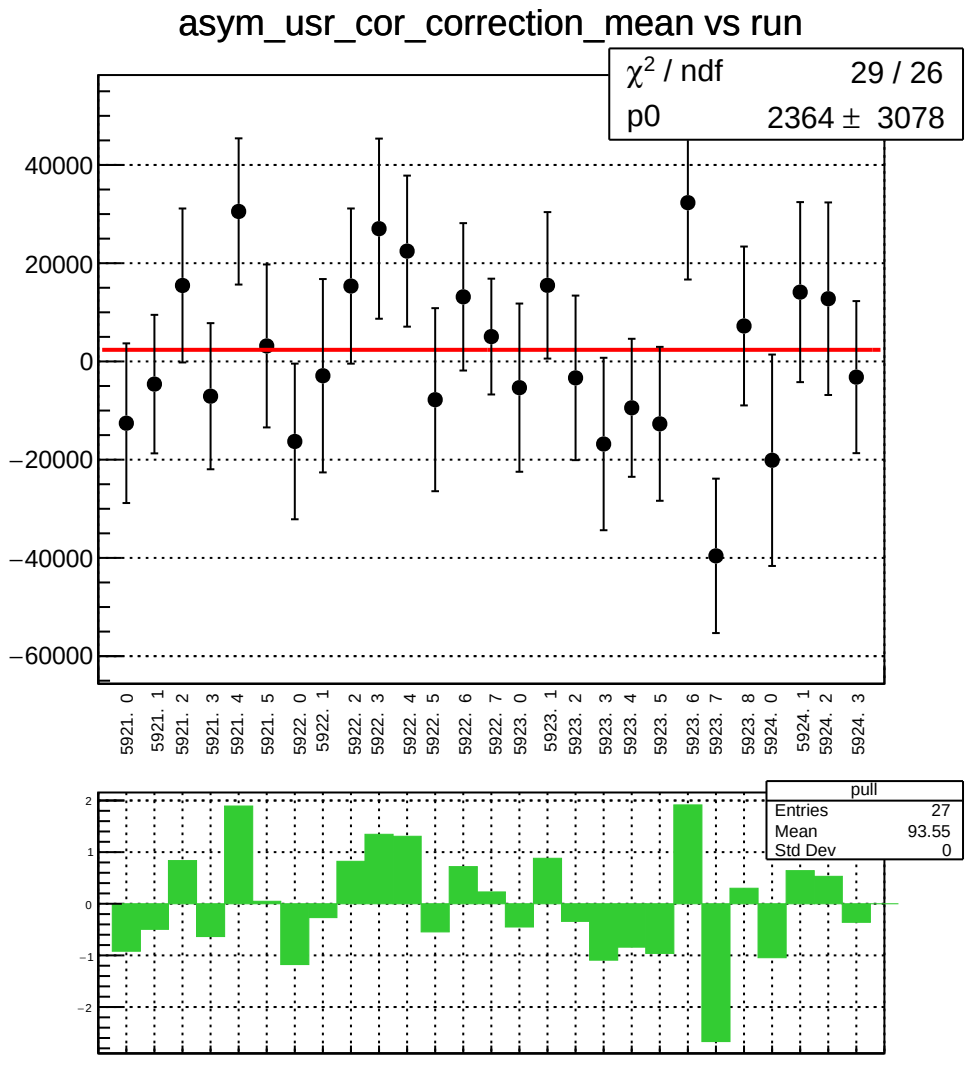
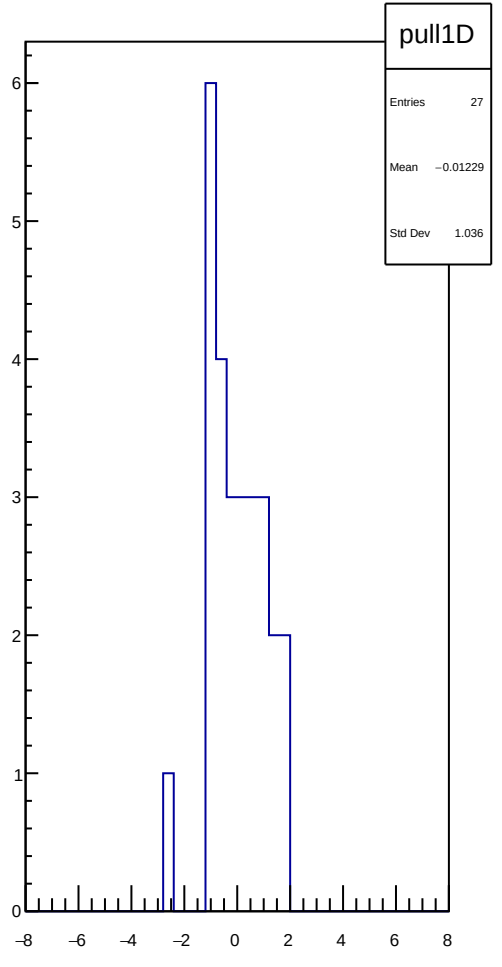
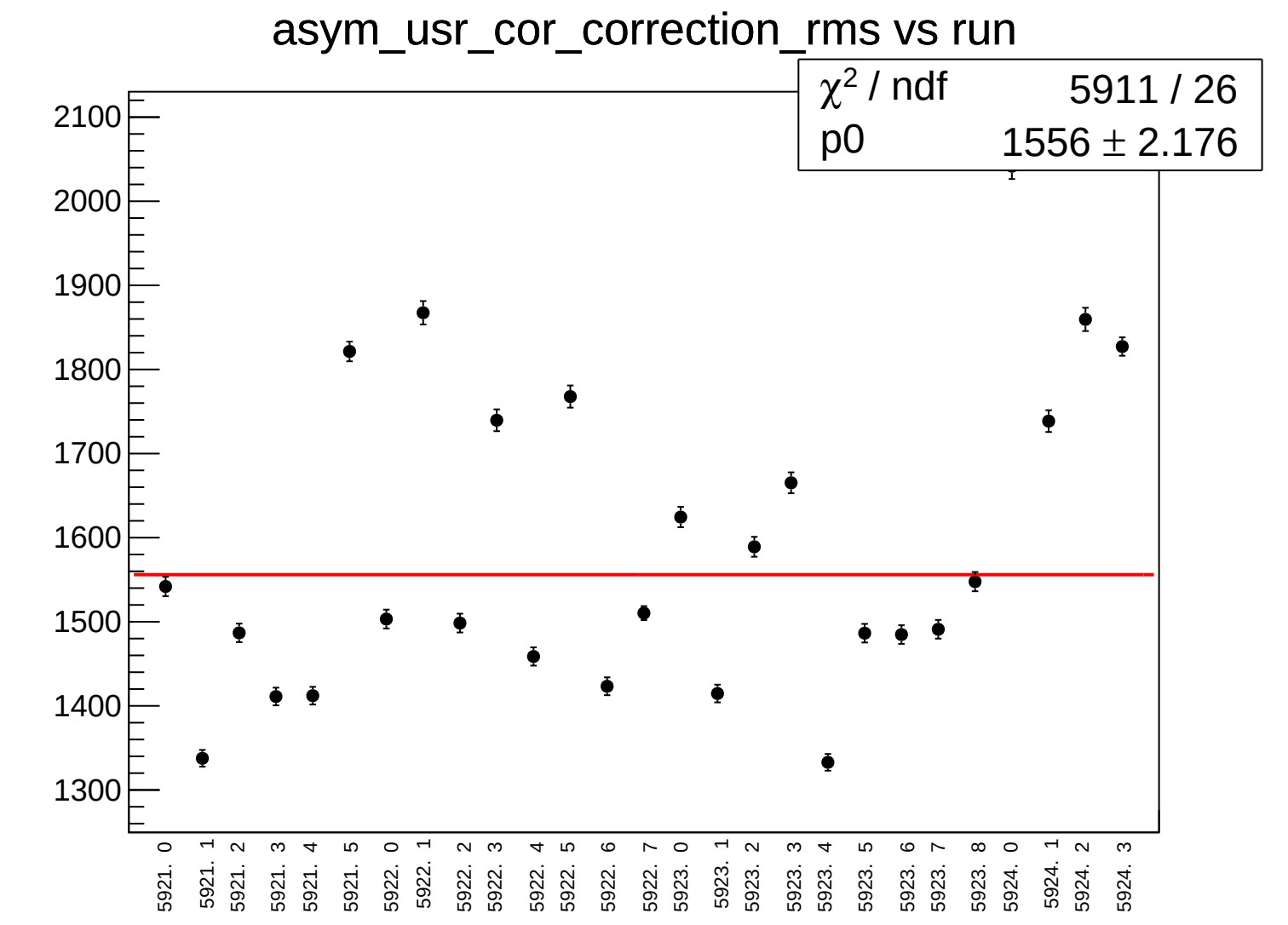
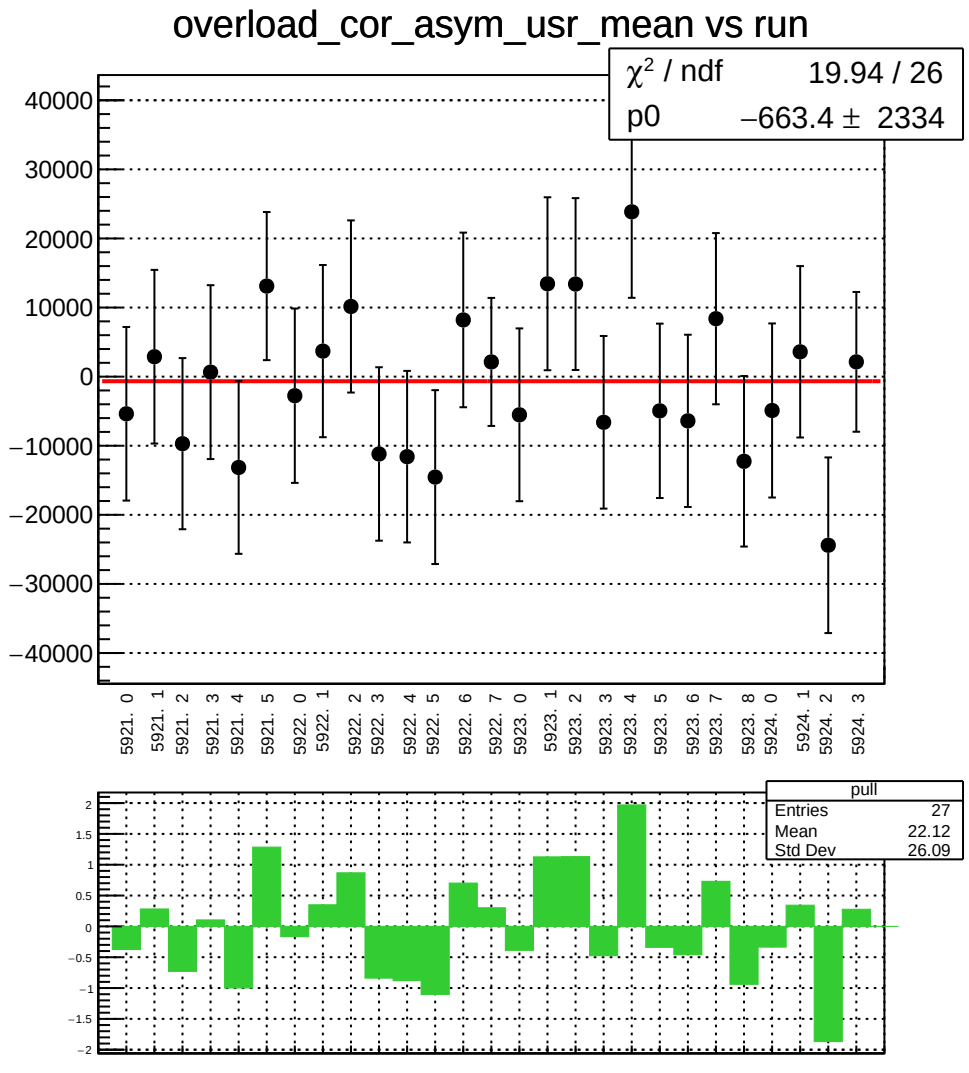
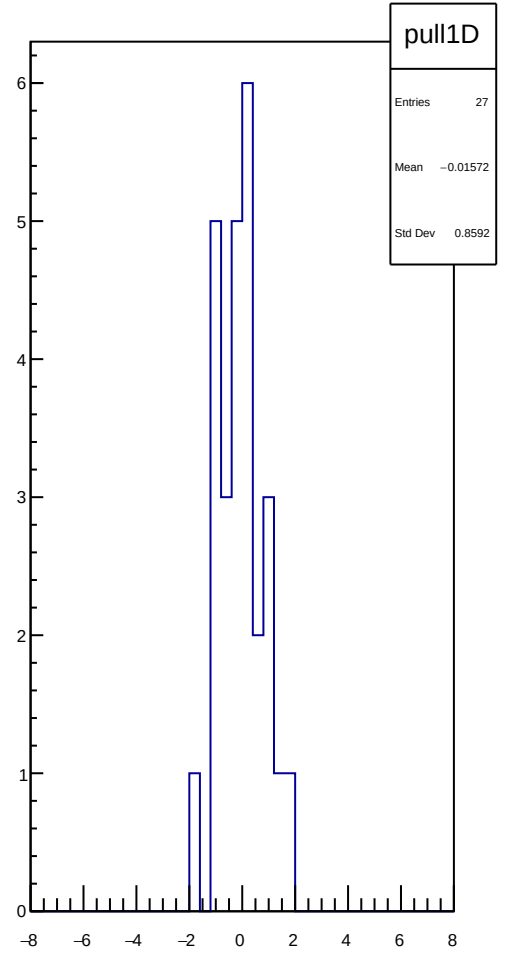
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

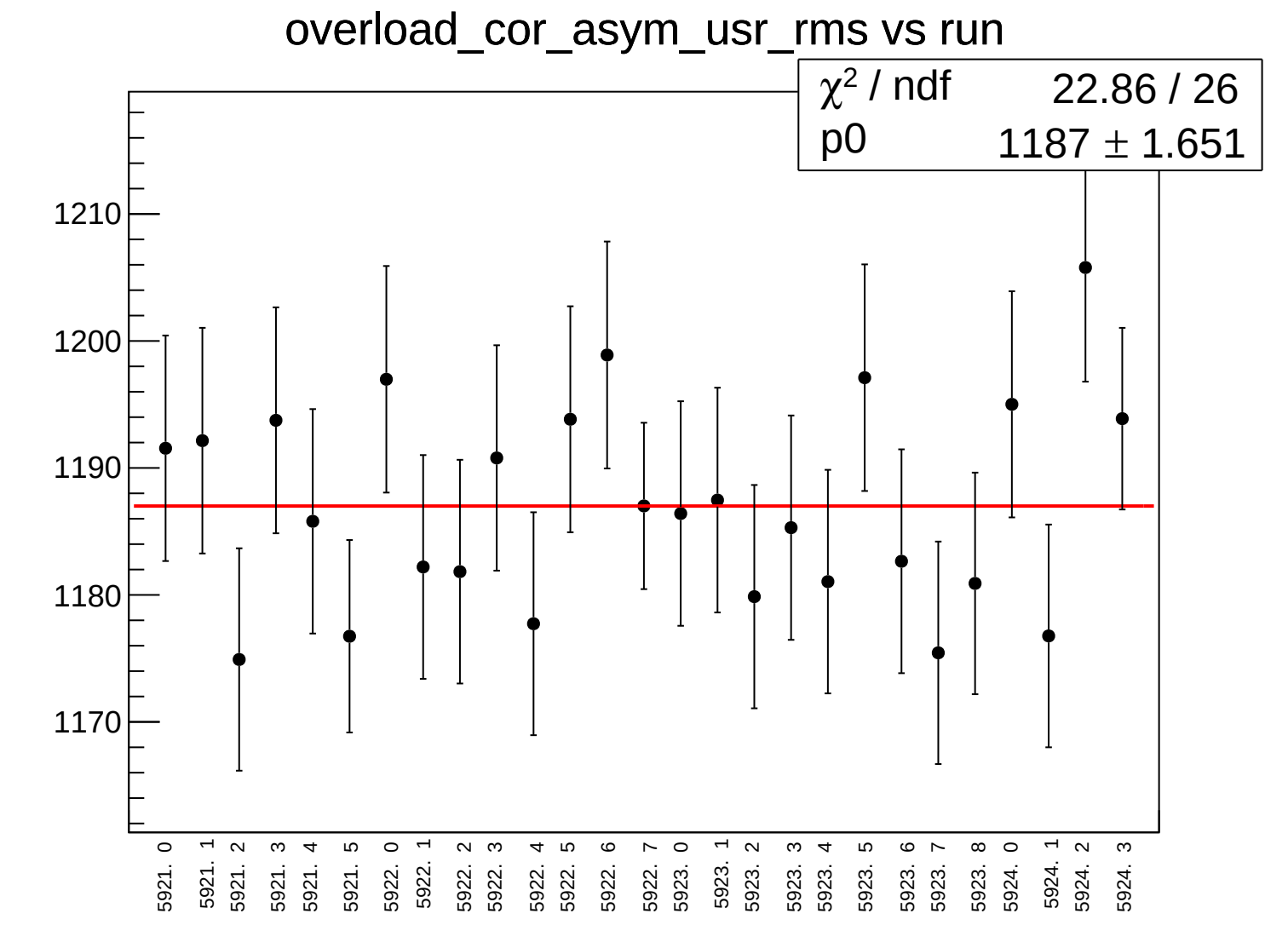

asym_usr_cor_correction_mean vs run
χ² / ndf 29 / 26
p0 2364 ± 3078
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 93.55
Std Dev 0
2
1
0
−1
−2

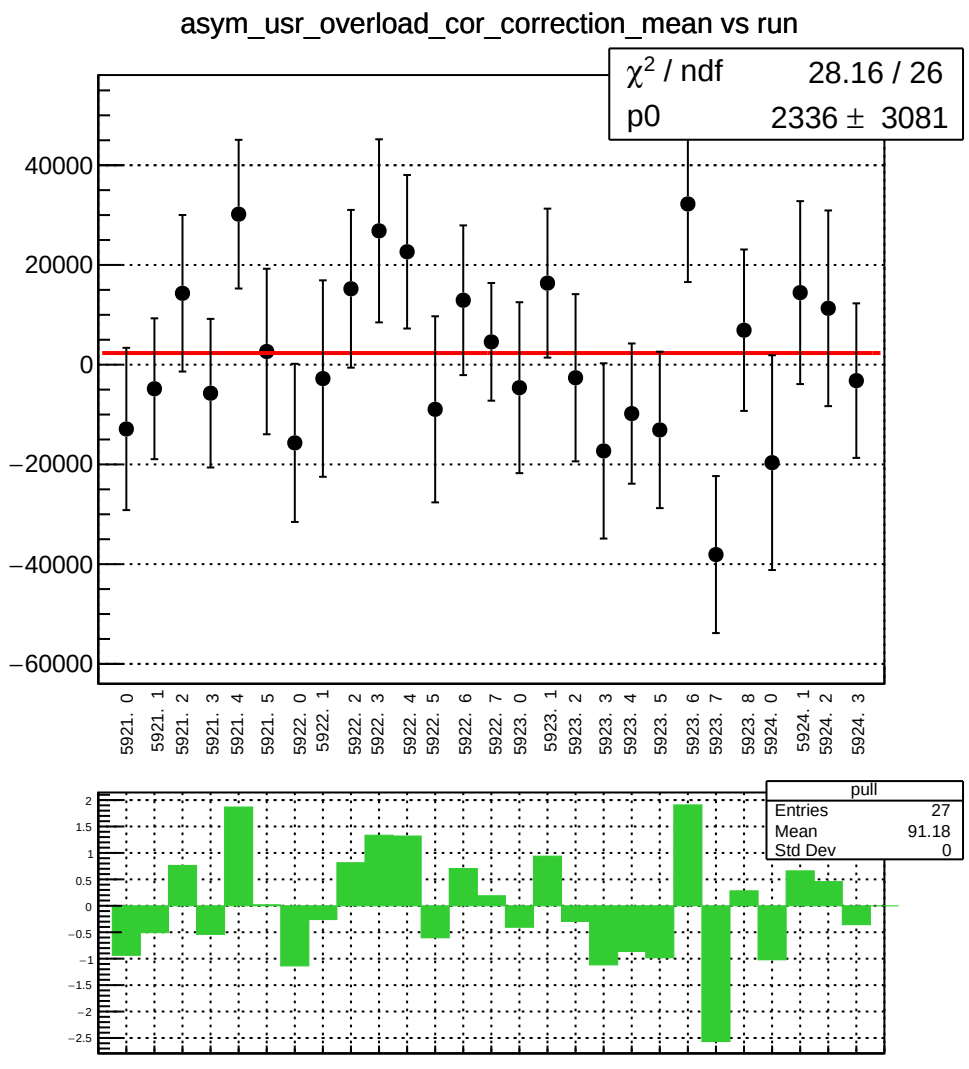

pull1D
Entries 27
Mean −0.01229
Std Dev 1.036
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

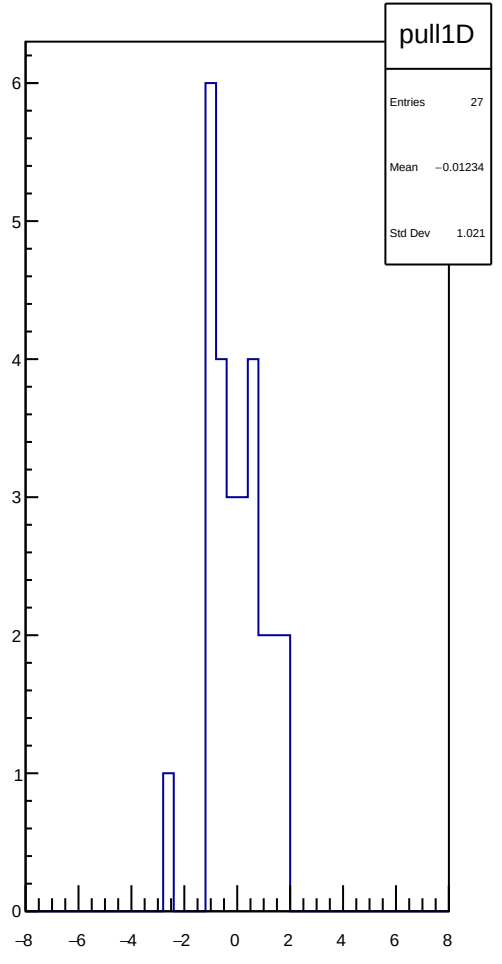

asym_usr_cor_correction_rms vs run
χ² / ndf 5911 / 26
p0 1556 ± 2.176
2100
2000
1900
1800
1700
1600
1500
1400
1300
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

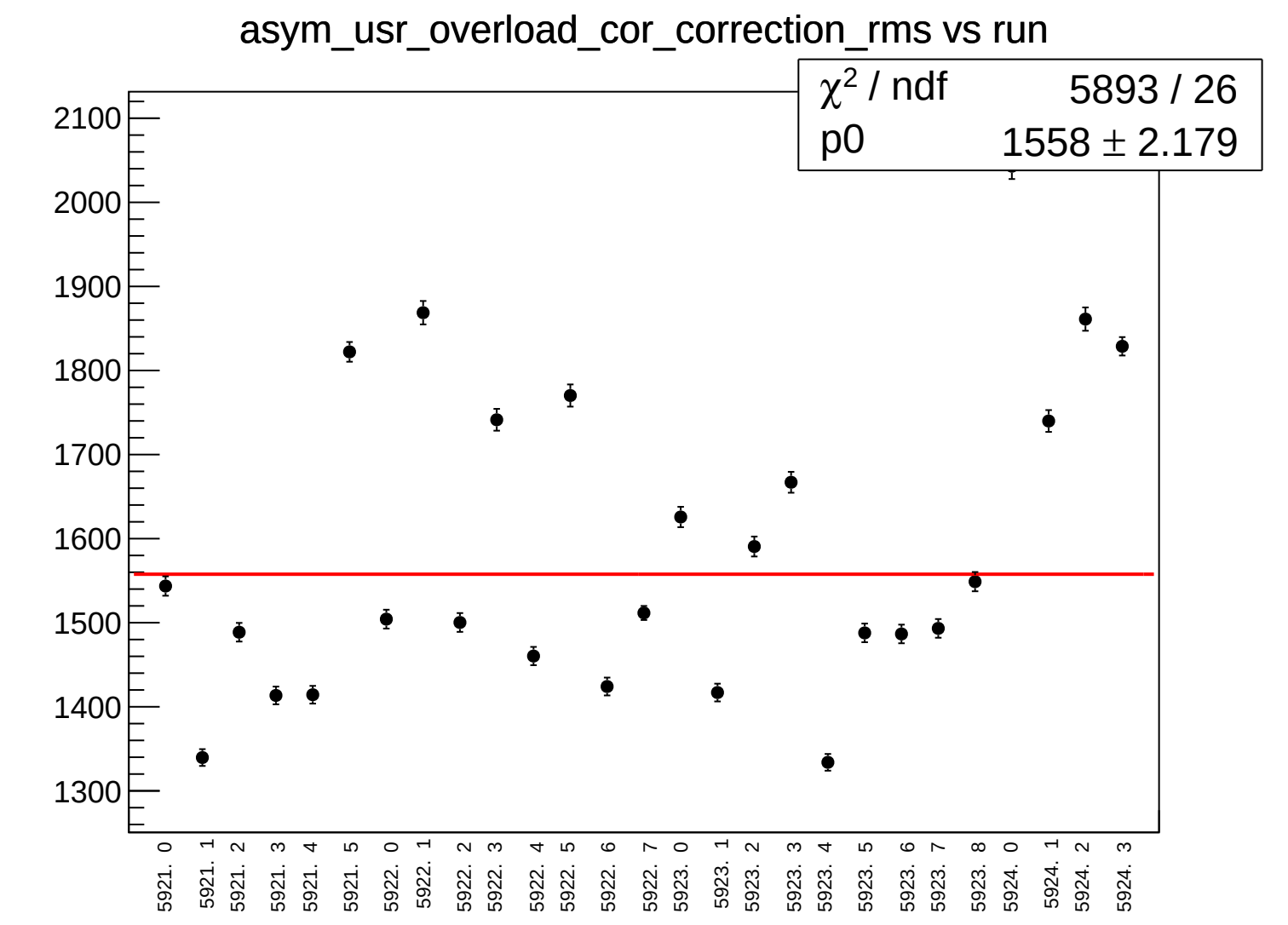

overload_cor_asym_usr_mean vs run
χ² / ndf 19.94 / 26
p0 −663.4 ± 2334
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 22.12
Std Dev 26.09
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

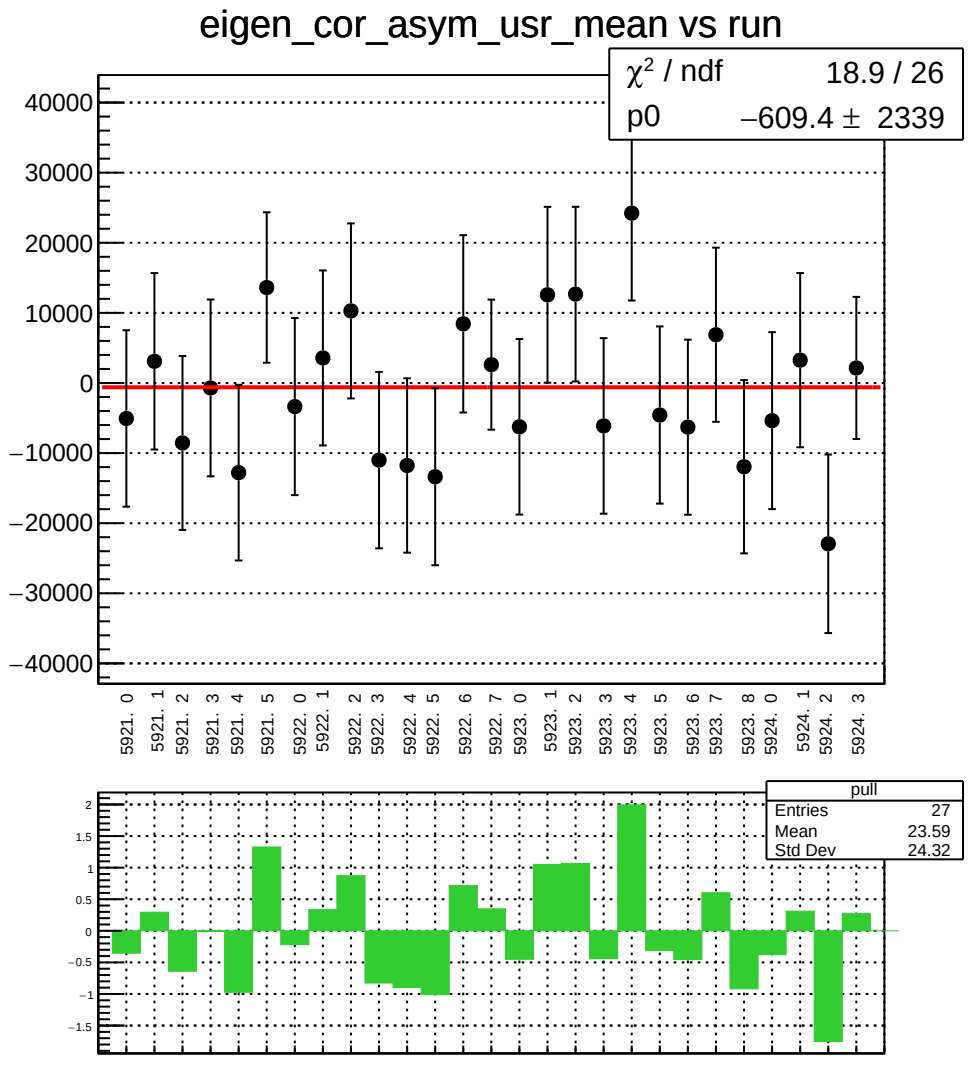

pull1D
Entries 27
Mean −0.01572
Std Dev 0.8592
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

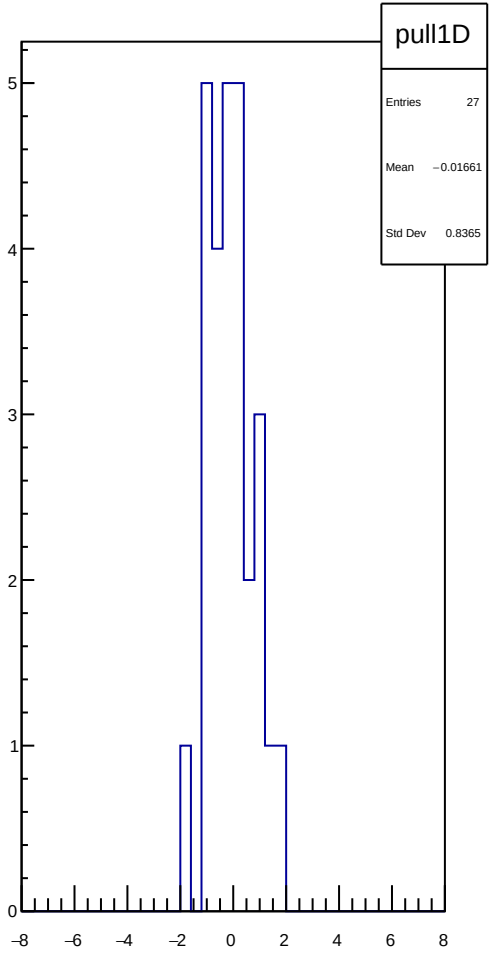

overload_cor_asym_usr_rms vs run
χ² / ndf 22.86 / 26
p0 1187 ± 1.651
1210
1200
1190
1180
1170
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

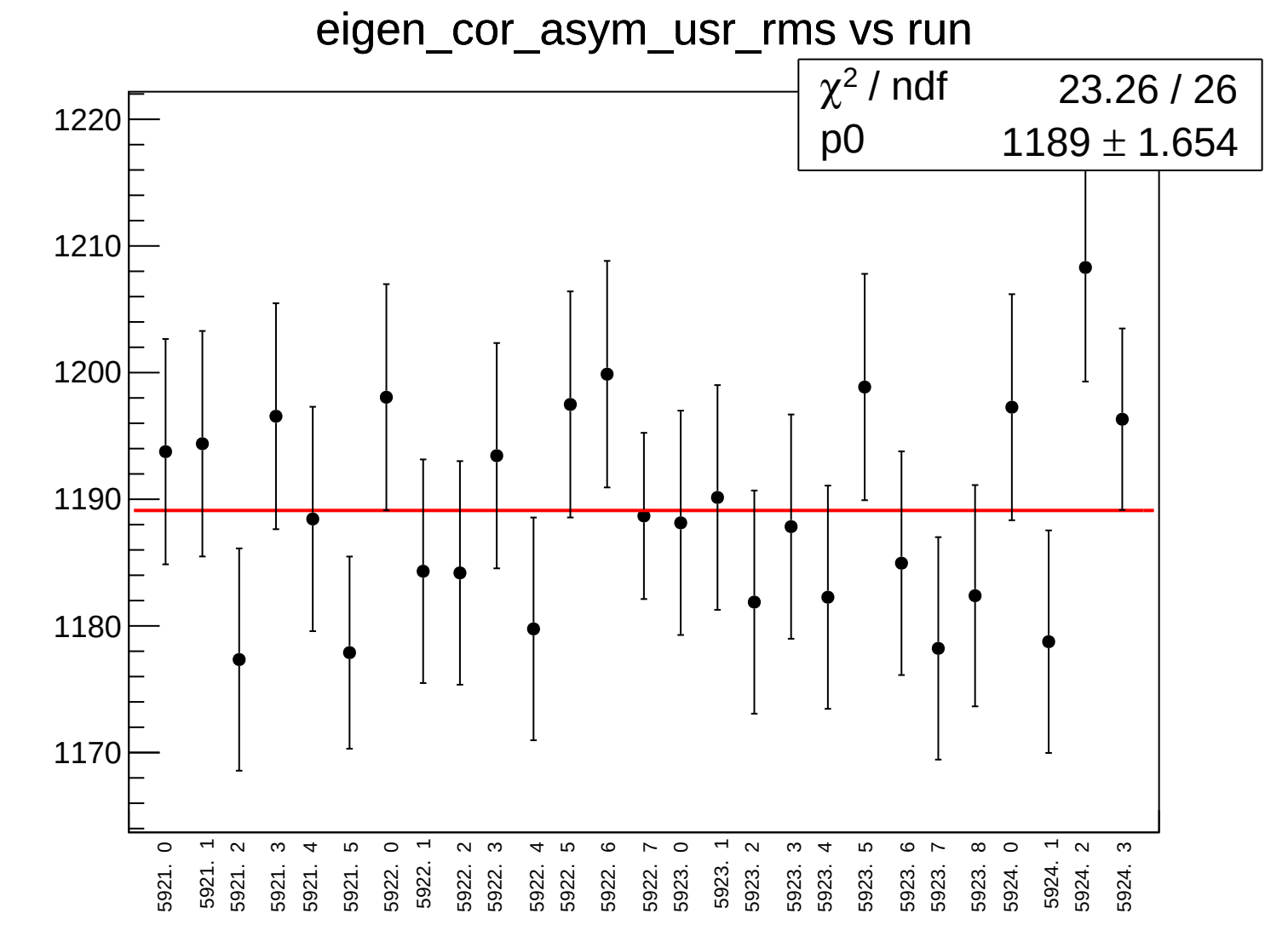

asym_usr_overload_cor_correction_mean vs run
χ² / ndf 28.16 / 26
p0 2336 ± 3081
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 91.18
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

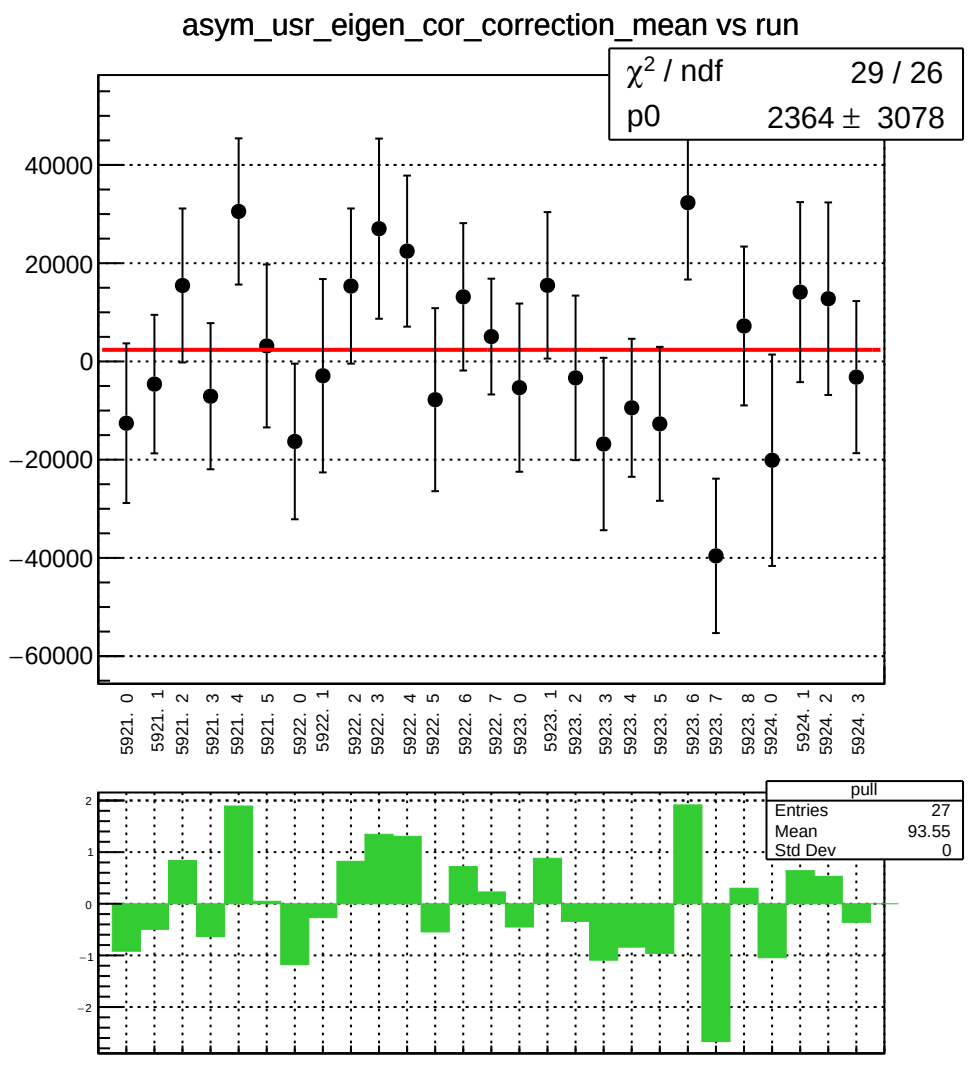

pull1D
Entries 27
Mean −0.01234
Std Dev 1.021
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

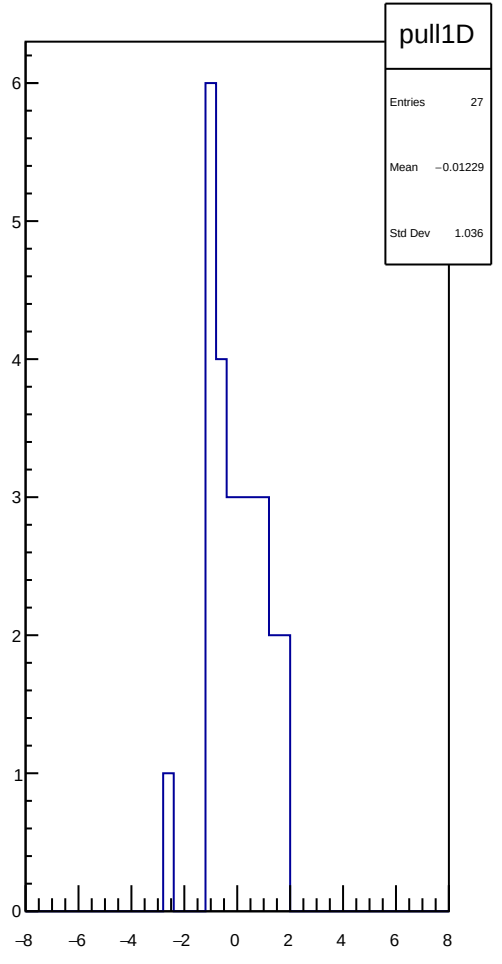

asym_usr_overload_cor_correction_rms vs run
χ² / ndf 5893 / 26
p0 1558 ± 2.179
2100
2000
1900
1800
1700
1600
1500
1400
1300
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

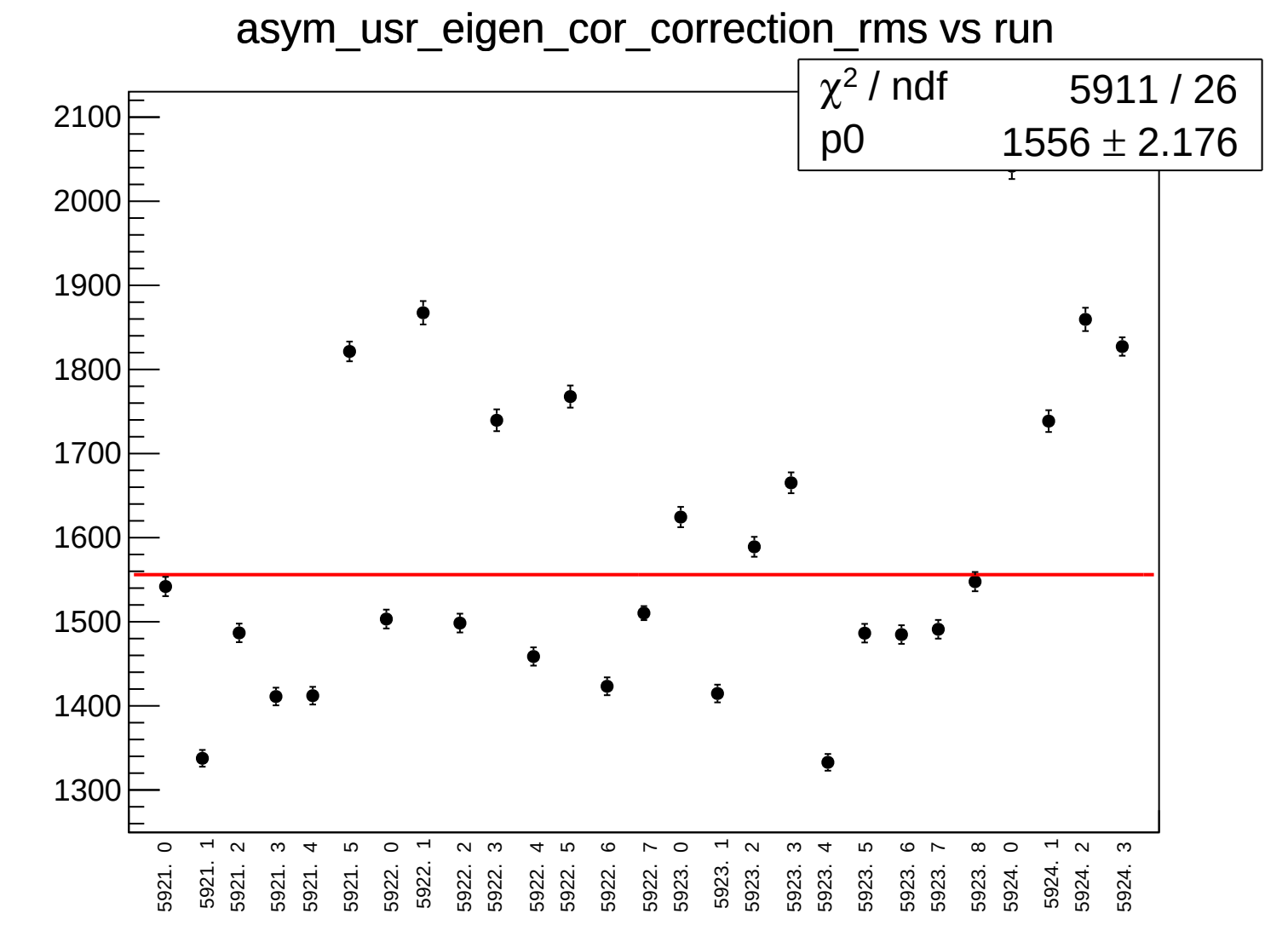

eigen_cor_asym_usr_mean vs run
χ² / ndf 18.9 / 26
p0 −609.4 ± 2339
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 23.59
Std Dev 24.32
2
1.5
1
0.5
0
−0.5
−1
−1.5

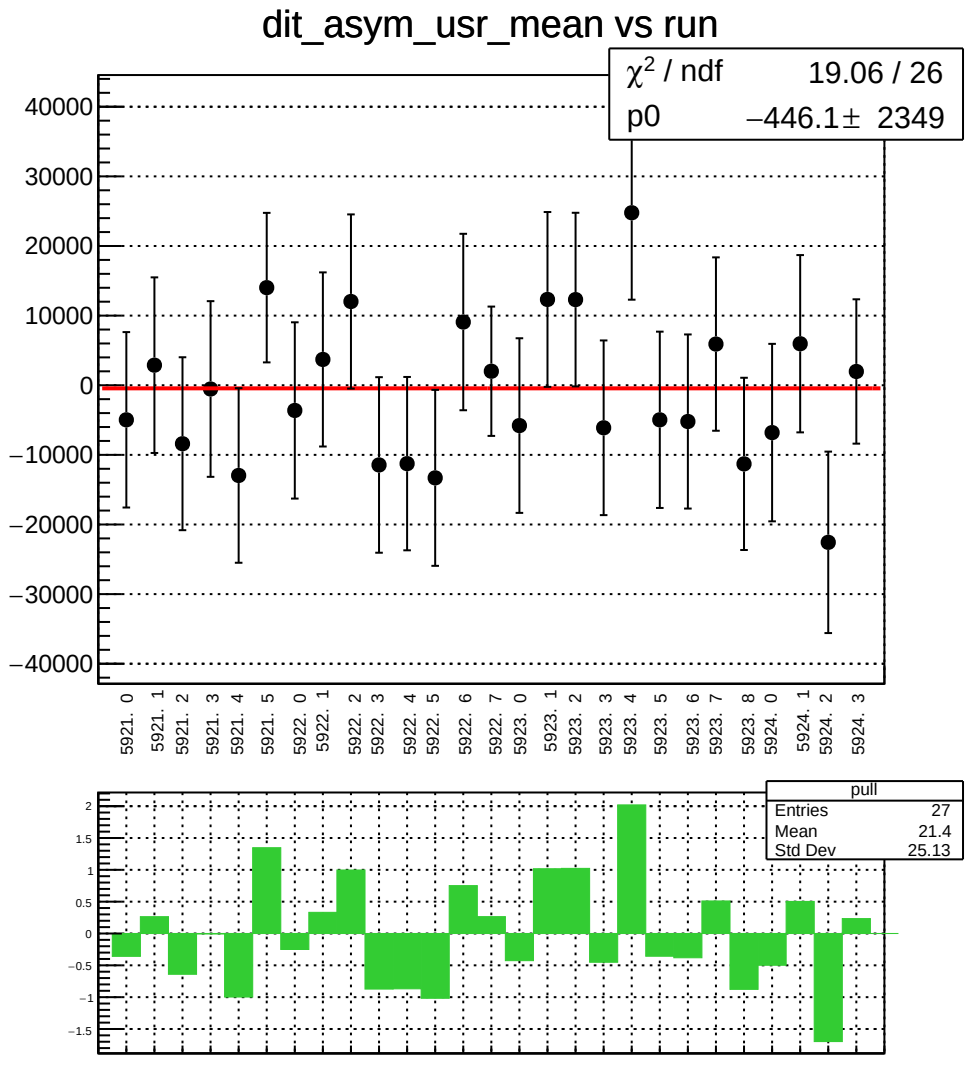

pull1D
Entries 27
Mean −0.01661
Std Dev 0.8365
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

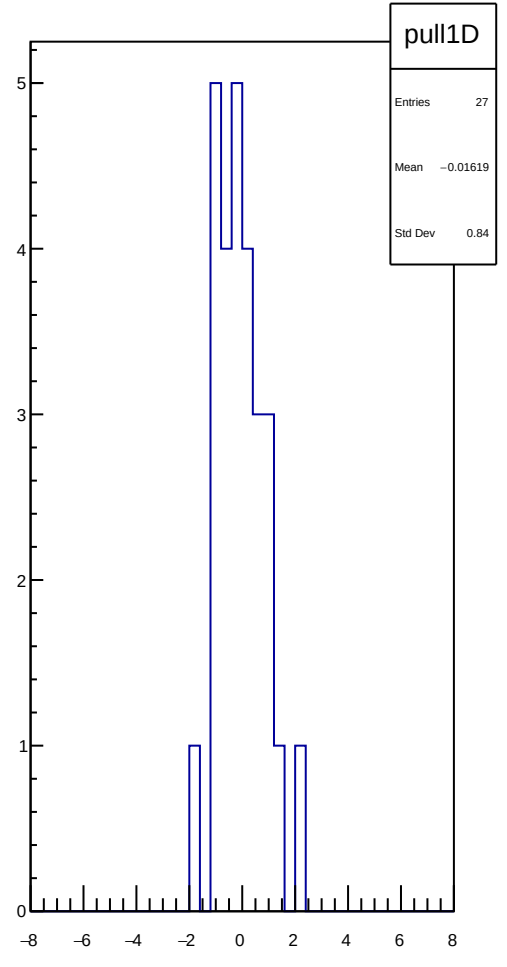

eigen_cor_asym_usr_rms vs run
χ² / ndf 23.26 / 26
p0 1189 ± 1.654
1220
1210
1200
1190
1180
1170
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

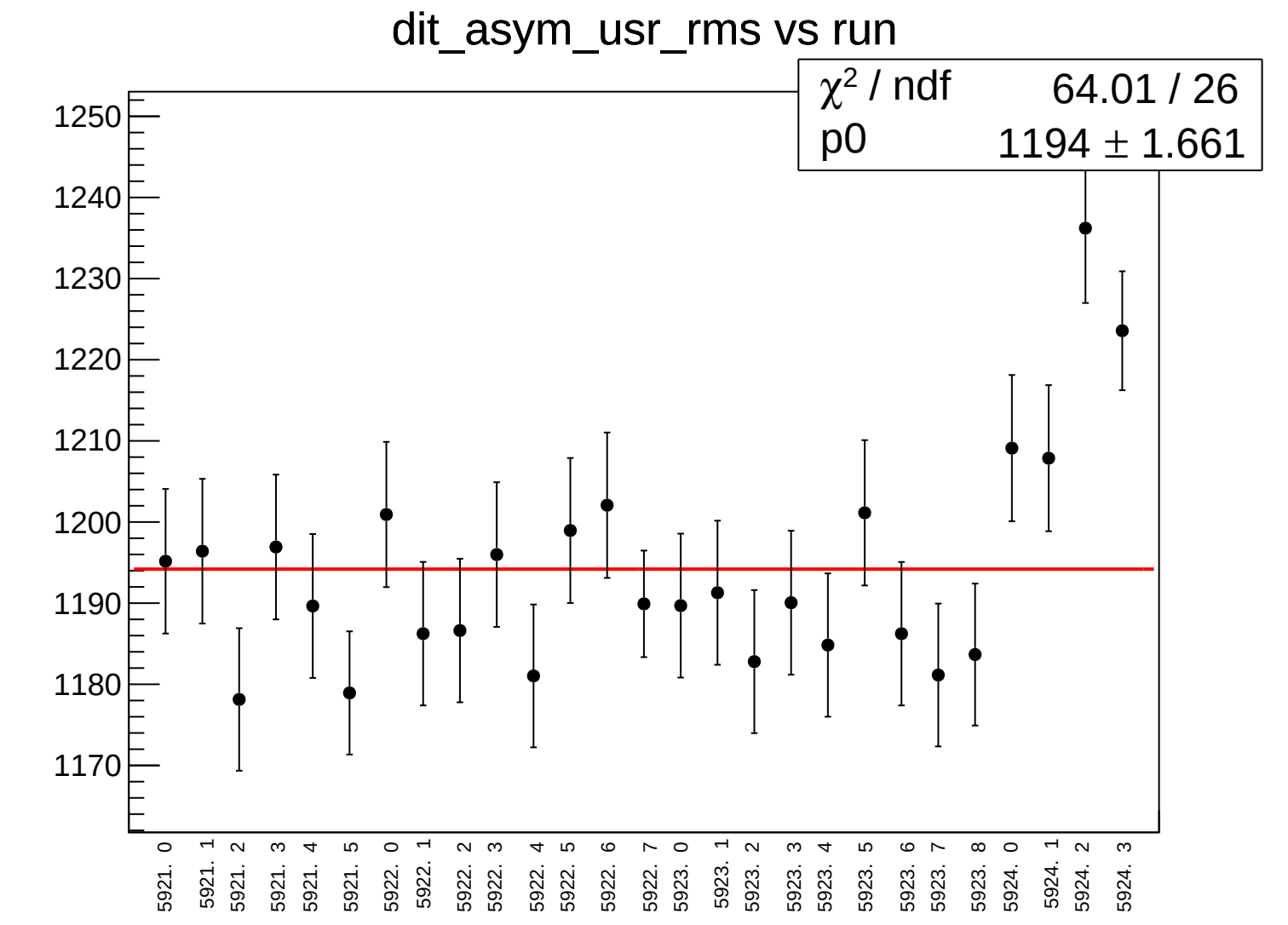

asym_usr_eigen_cor_correction_mean vs run
χ² / ndf 29 / 26
p0 2364 ± 3078
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 93.55
Std Dev 0
2
1
0
−1
−2

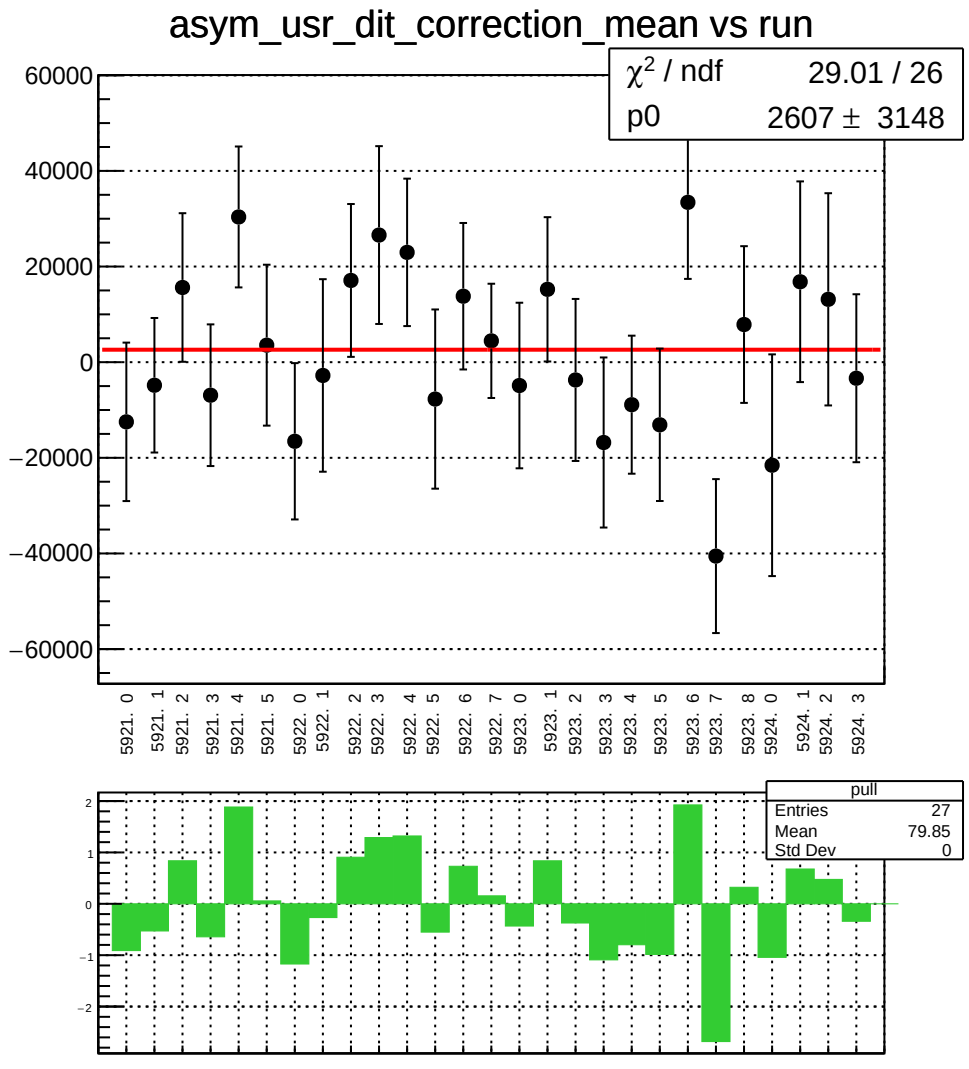

pull1D
Entries 27
Mean −0.01229
Std Dev 1.036
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

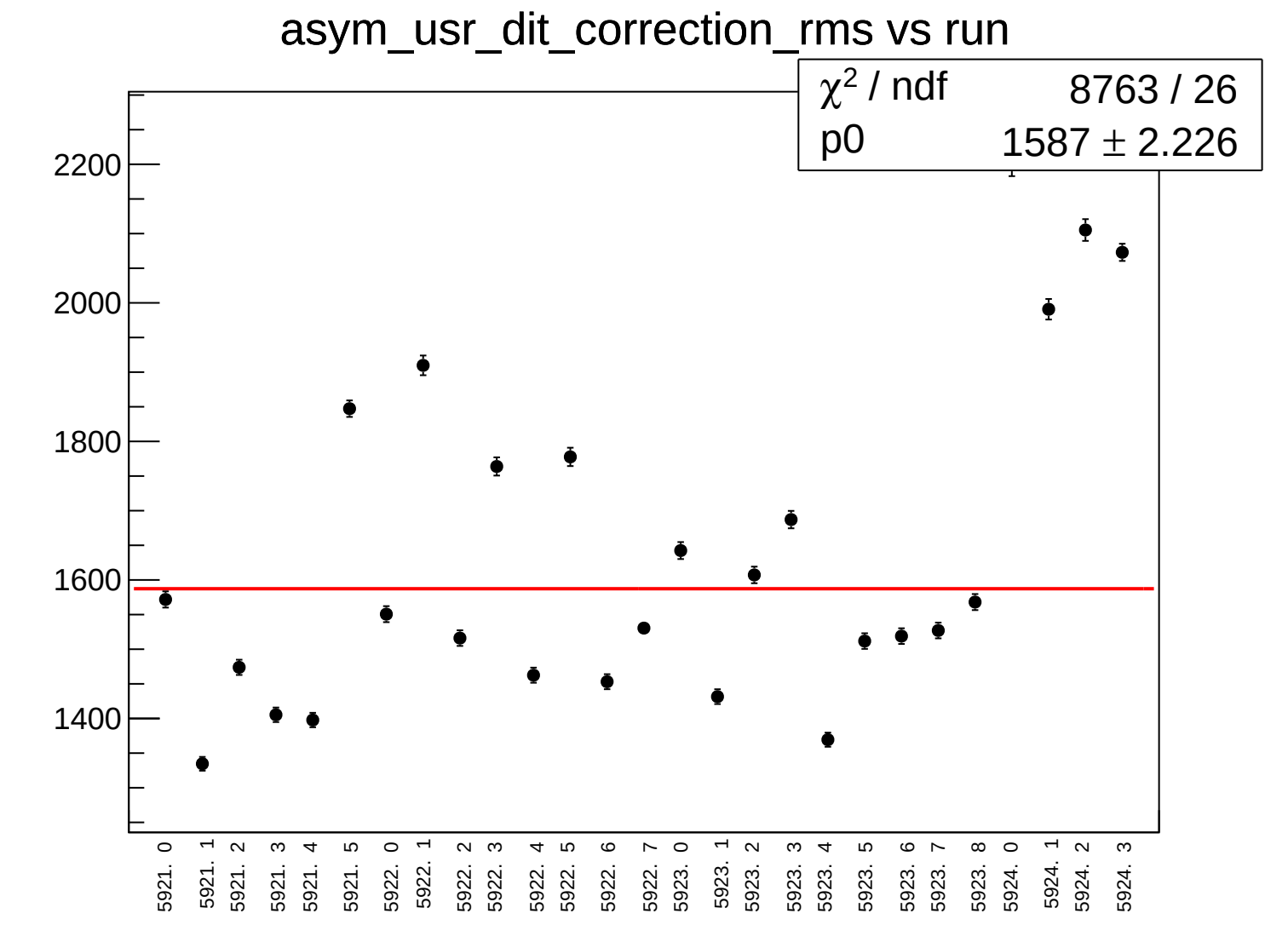

asym_usr_eigen_cor_correction_rms vs run
χ² / ndf 5911 / 26
p0 1556 ± 2.176
2100
2000
1900
1800
1700
1600
1500
1400
1300
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

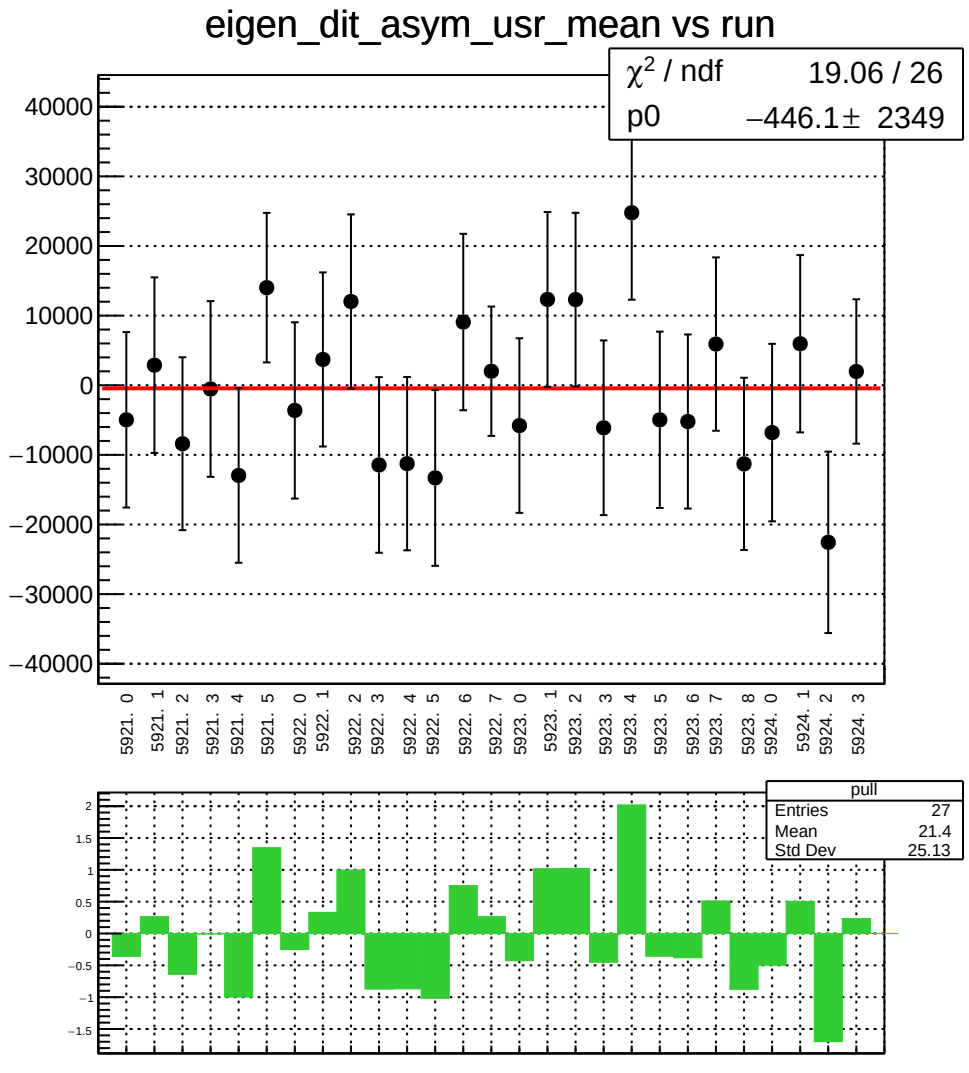

dit_asym_usr_mean vs run
χ² / ndf 19.06 / 26
p0 −446.1± 2349
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 21.4
Std Dev 25.13
2
1.5
1
0.5
0
−0.5
−1
−1.5

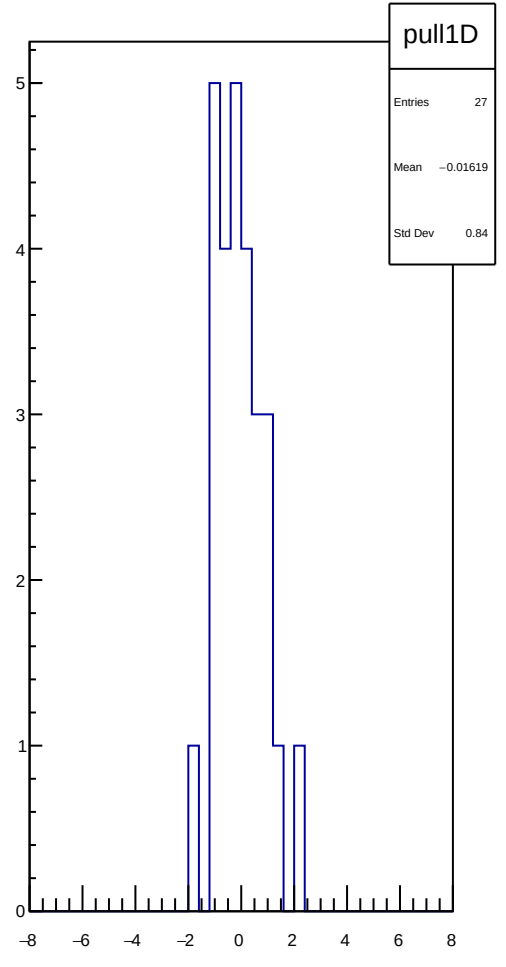

pull1D
Entries 27
Mean −0.01619
Std Dev 0.84
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

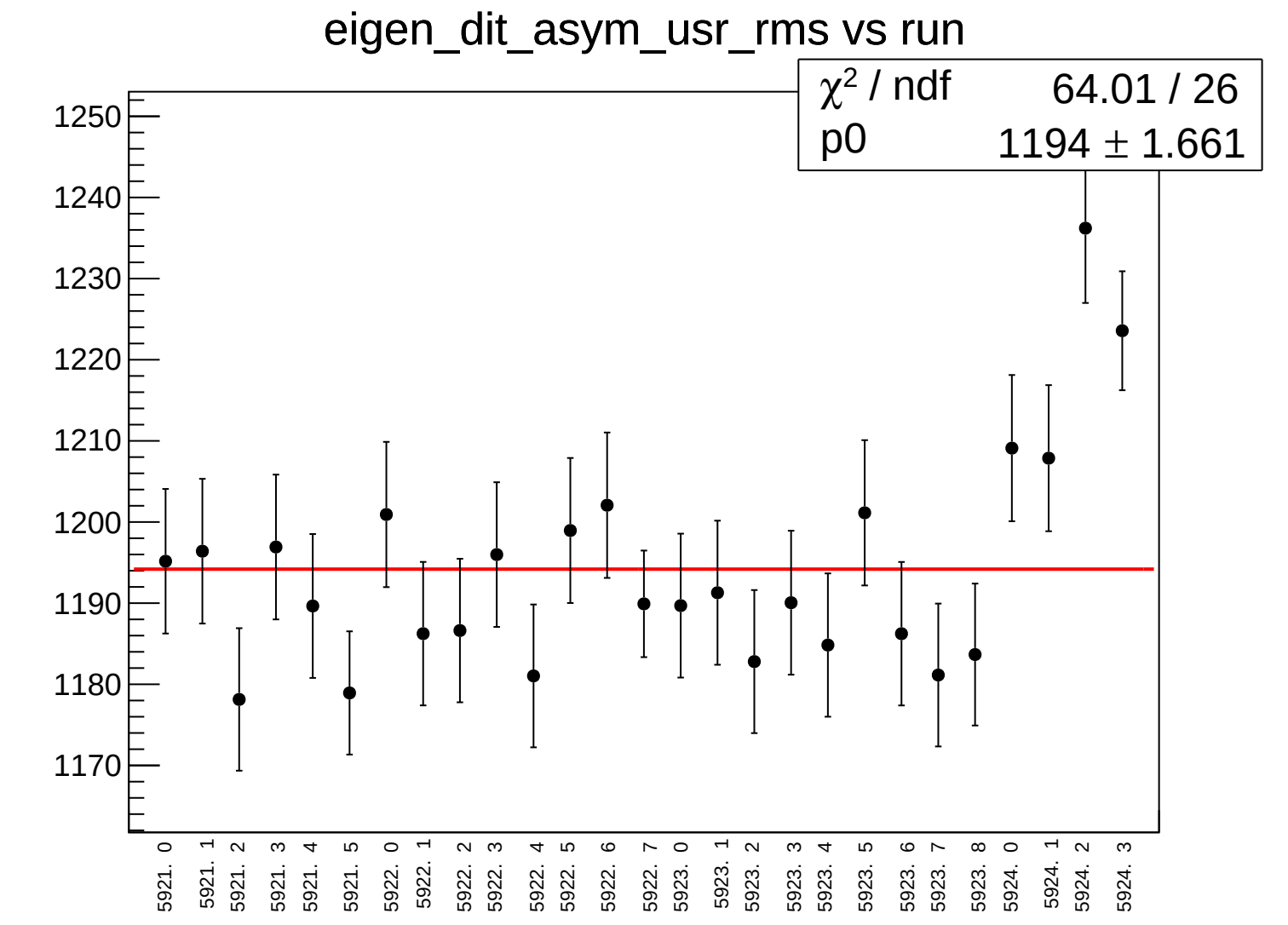

dit_asym_usr_rms vs run
χ² / ndf 64.01 / 26
p0 1194 ± 1.661
1250
1240
1230
1220
1210
1200
1190
1180
1170
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

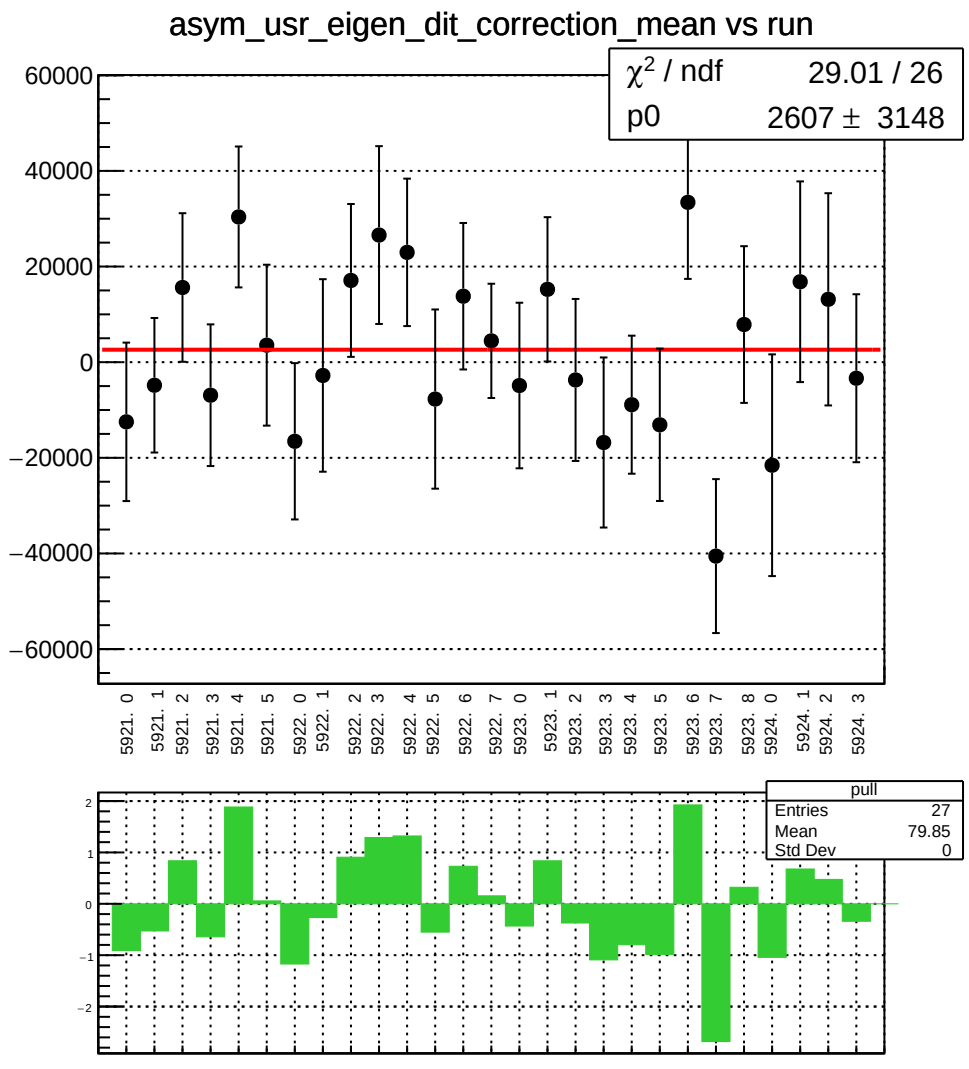

asym_usr_dit_correction_mean vs run
χ² / ndf 29.01 / 26
p0 2607 ± 3148
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 79.85
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean −0.01474
Std Dev 1.037
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

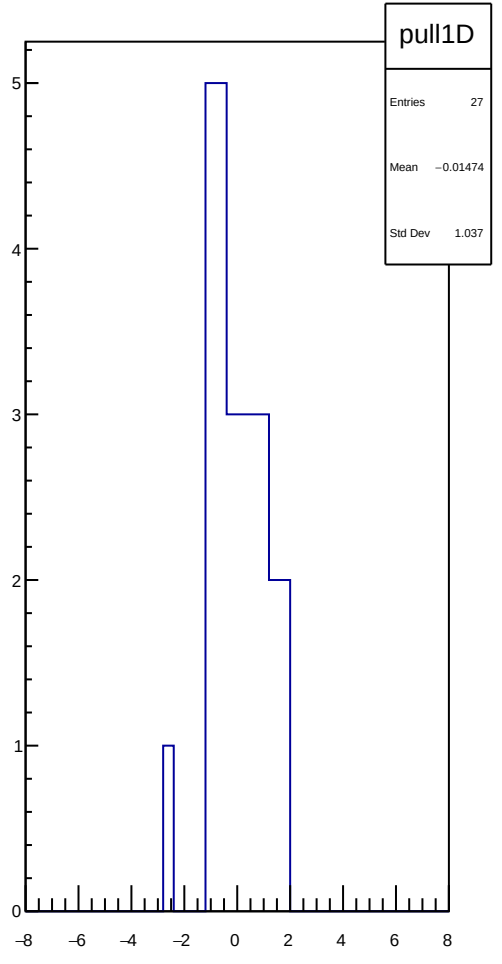

asym_usr_dit_correction_rms vs run
χ² / ndf 8763 / 26
p0 1587 ± 2.226
2200
2000
1800
1600
1400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

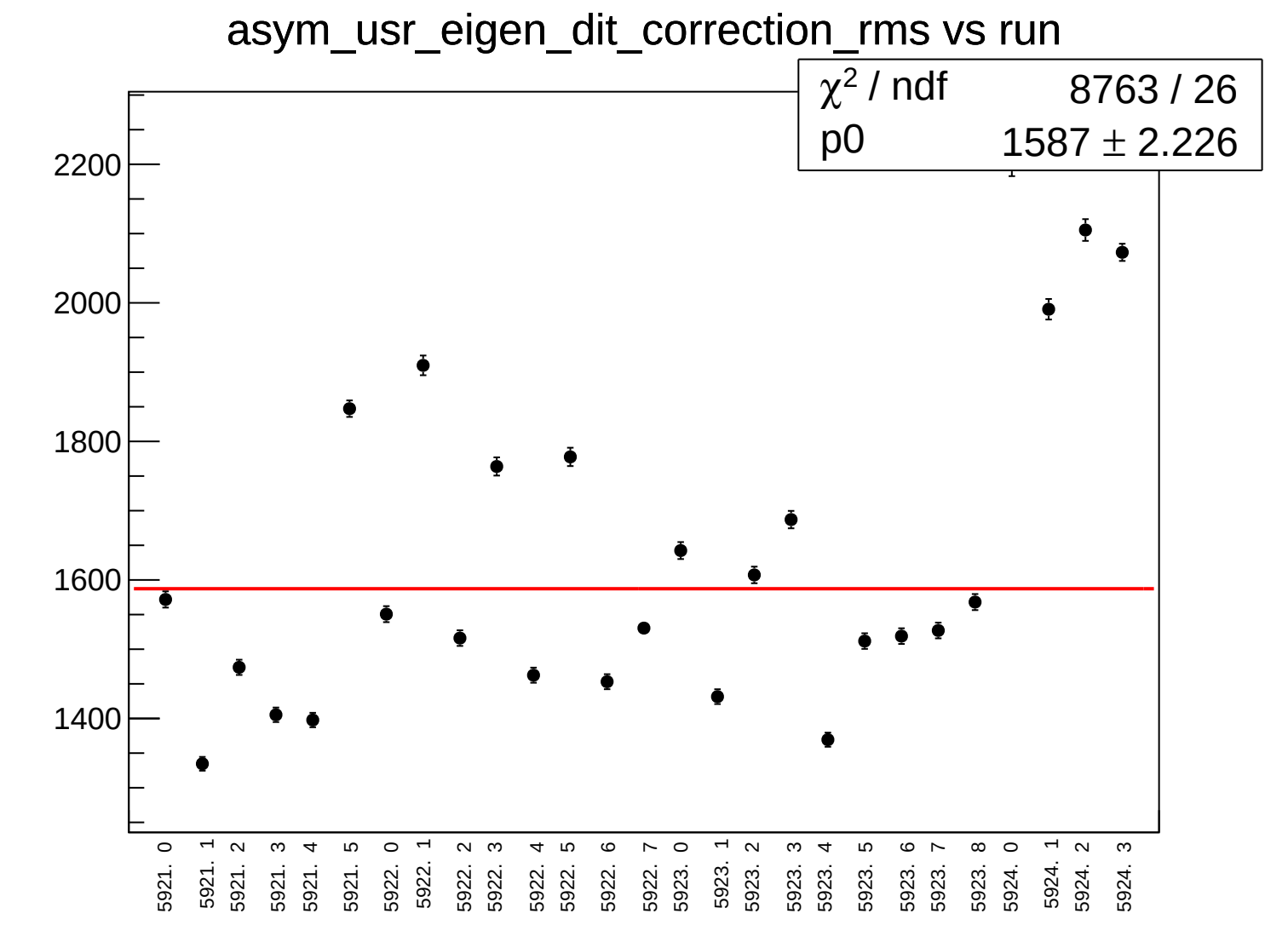

eigen_dit_asym_usr_mean vs run
χ² / ndf 19.06 / 26
p0 −446.1± 2349
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 21.4
Std Dev 25.13
2
1.5
1
0.5
0
−0.5
−1
−1.5

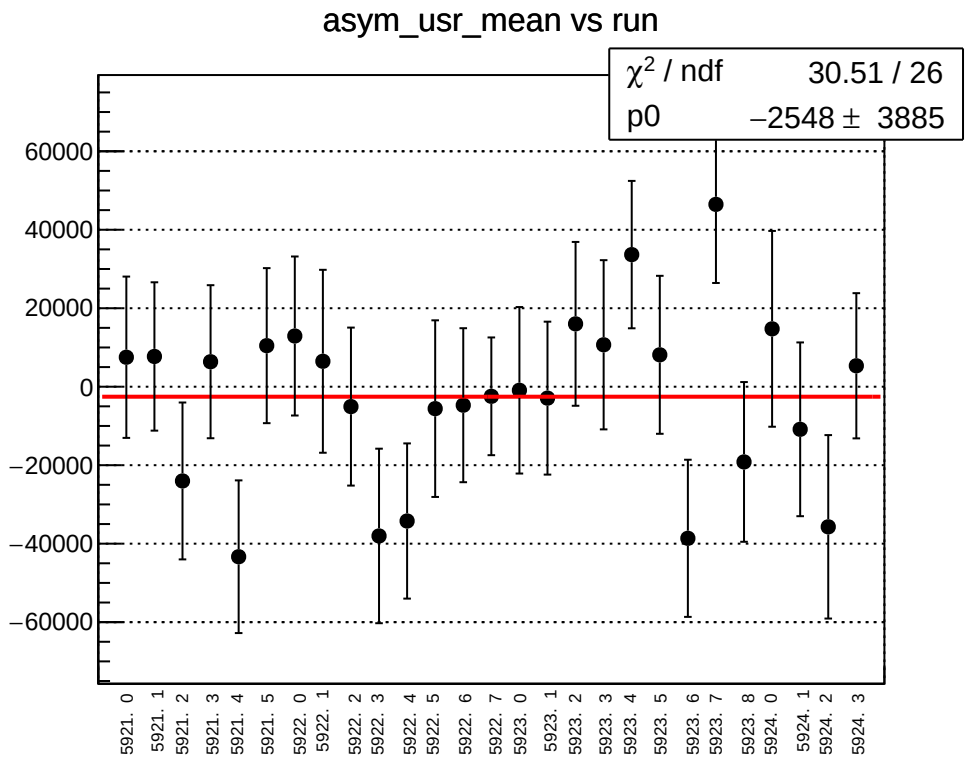

pull1D
Entries 27
Mean −0.01619
Std Dev 0.84
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

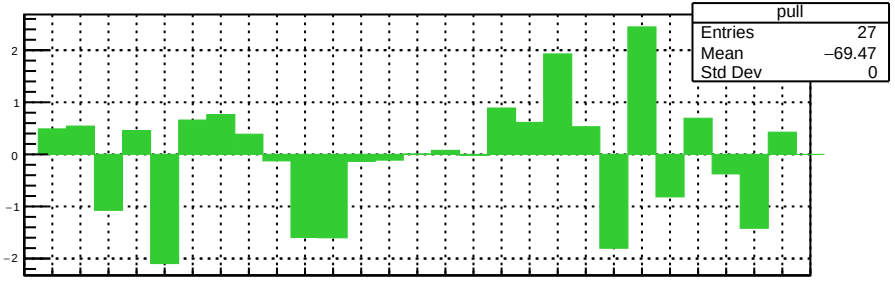

eigen_dit_asym_usr_rms vs run
χ² / ndf 64.01 / 26
p0 1194 ± 1.661
1250
1240
1230
1220
1210
1200
1190
1180
1170
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

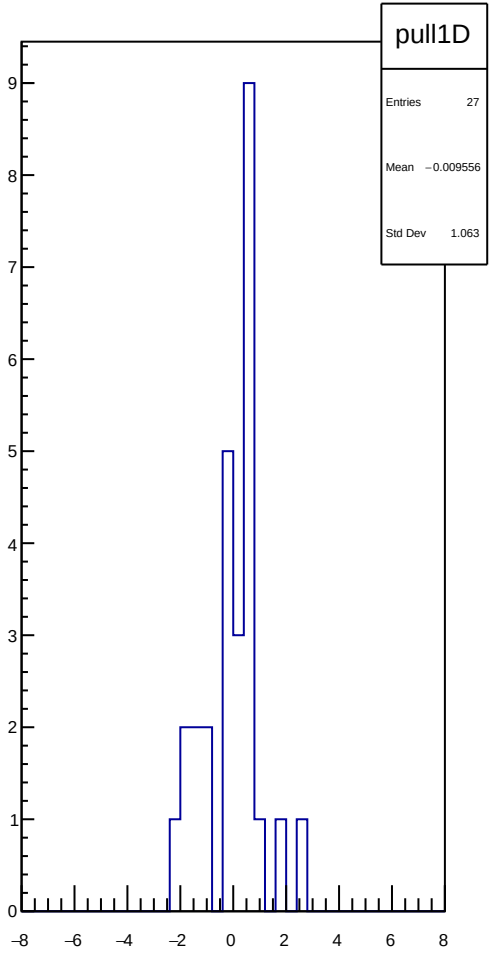

asym_usr_eigen_dit_correction_mean vs run
χ² / ndf 29.01 / 26
p0 2607 ± 3148
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 79.85
Std Dev 0
2
1
0
−1
−2

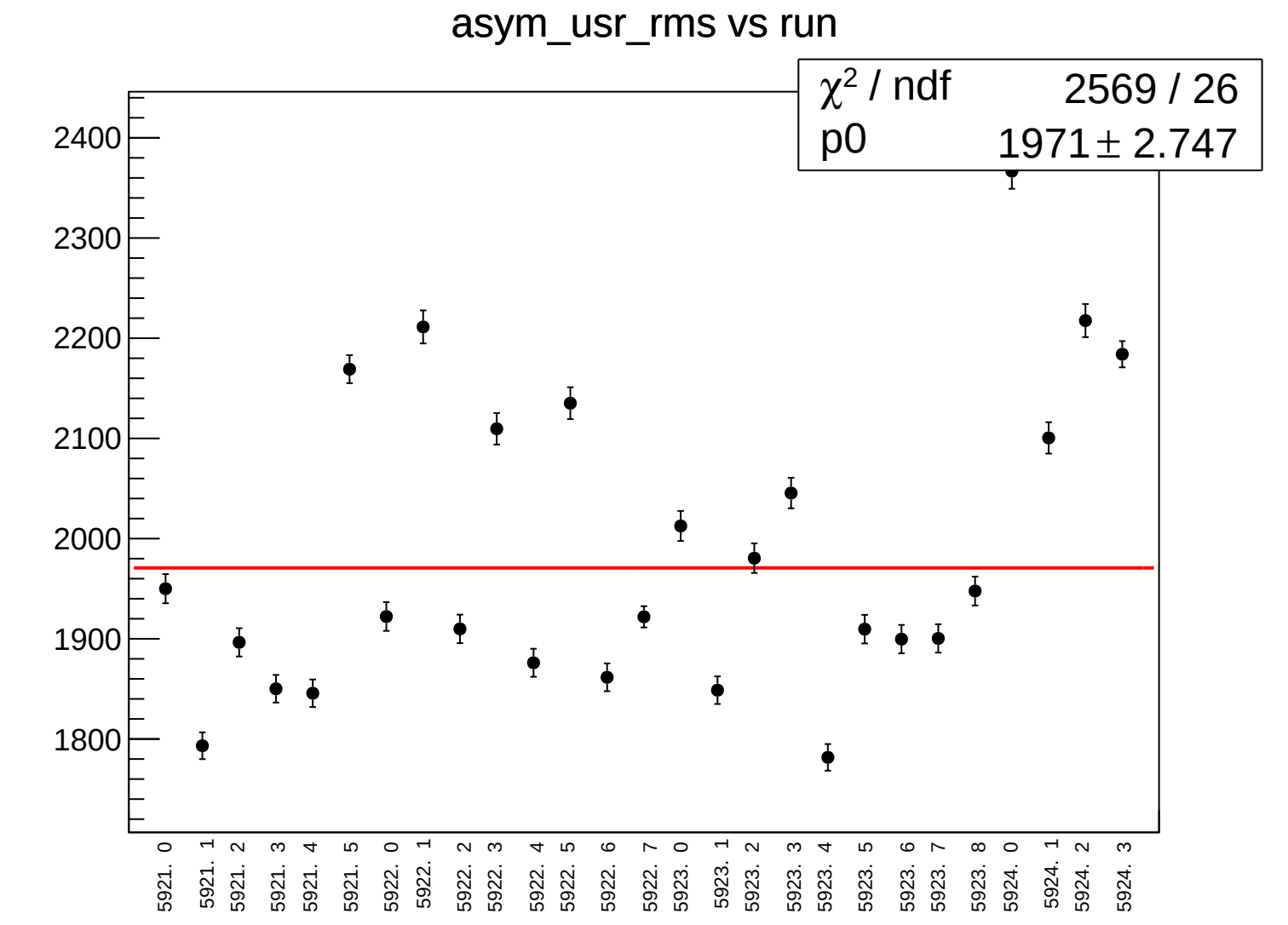

pull1D
Entries 27
Mean −0.01474
Std Dev 1.037
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

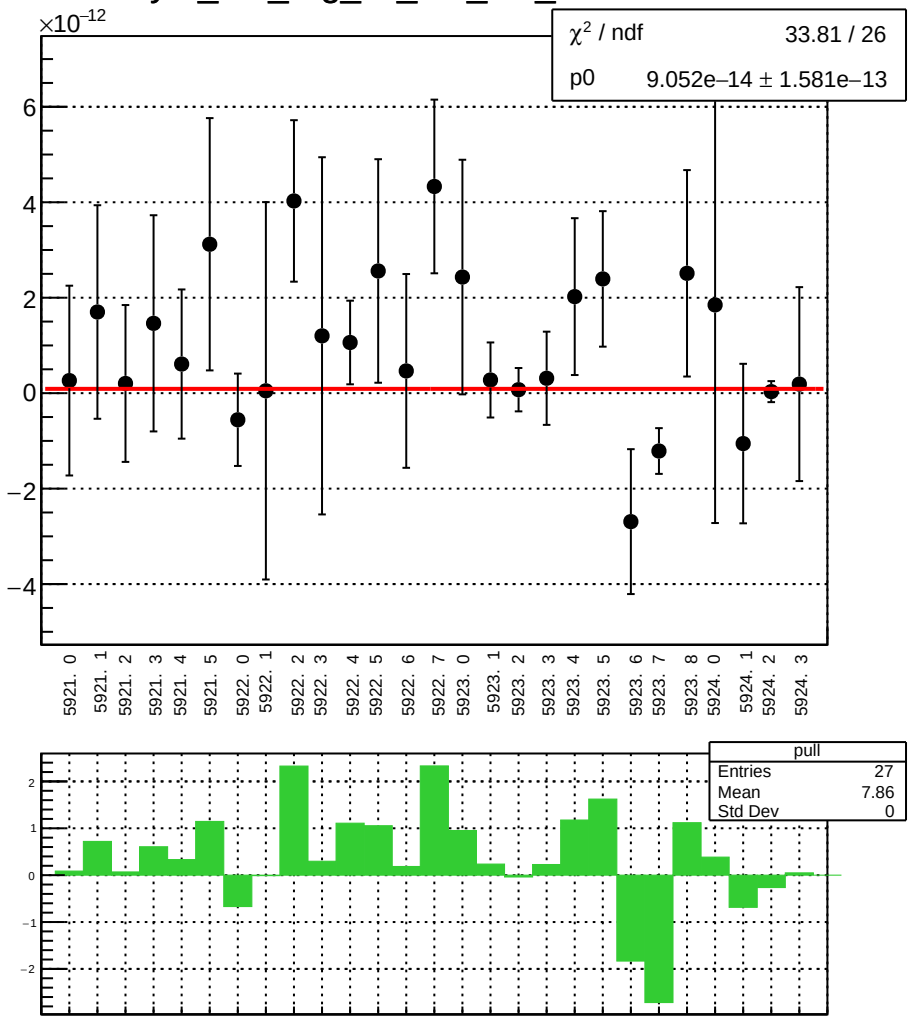

asym_usr_eigen_dit_correction_rms vs run
χ² / ndf 8763 / 26
p0 1587 ± 2.226
2200
2000
1800
1600
1400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

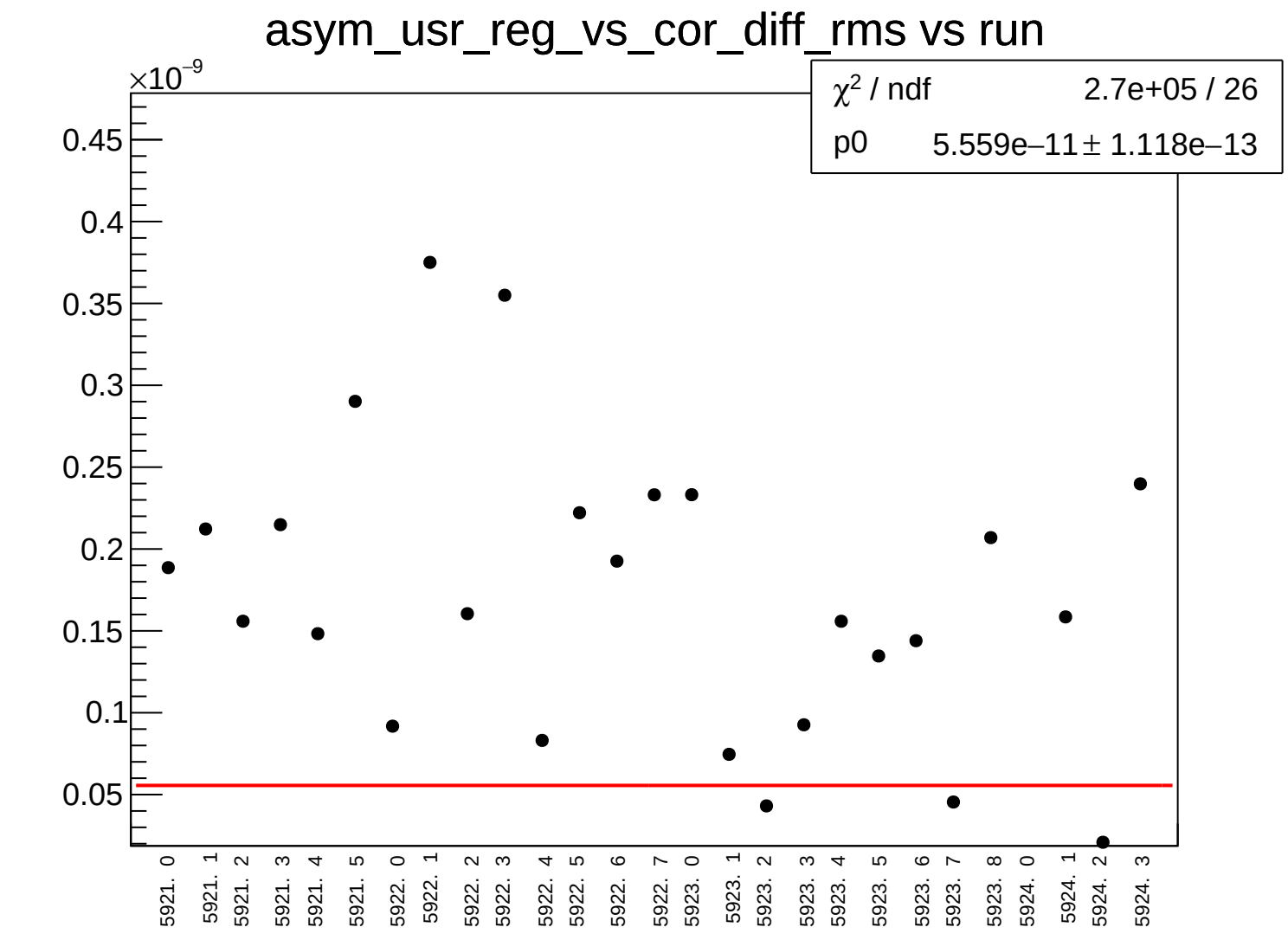

asym_usr_mean vs run
χ² / ndf 30.51 / 26
p0 −2548 ± 3885
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

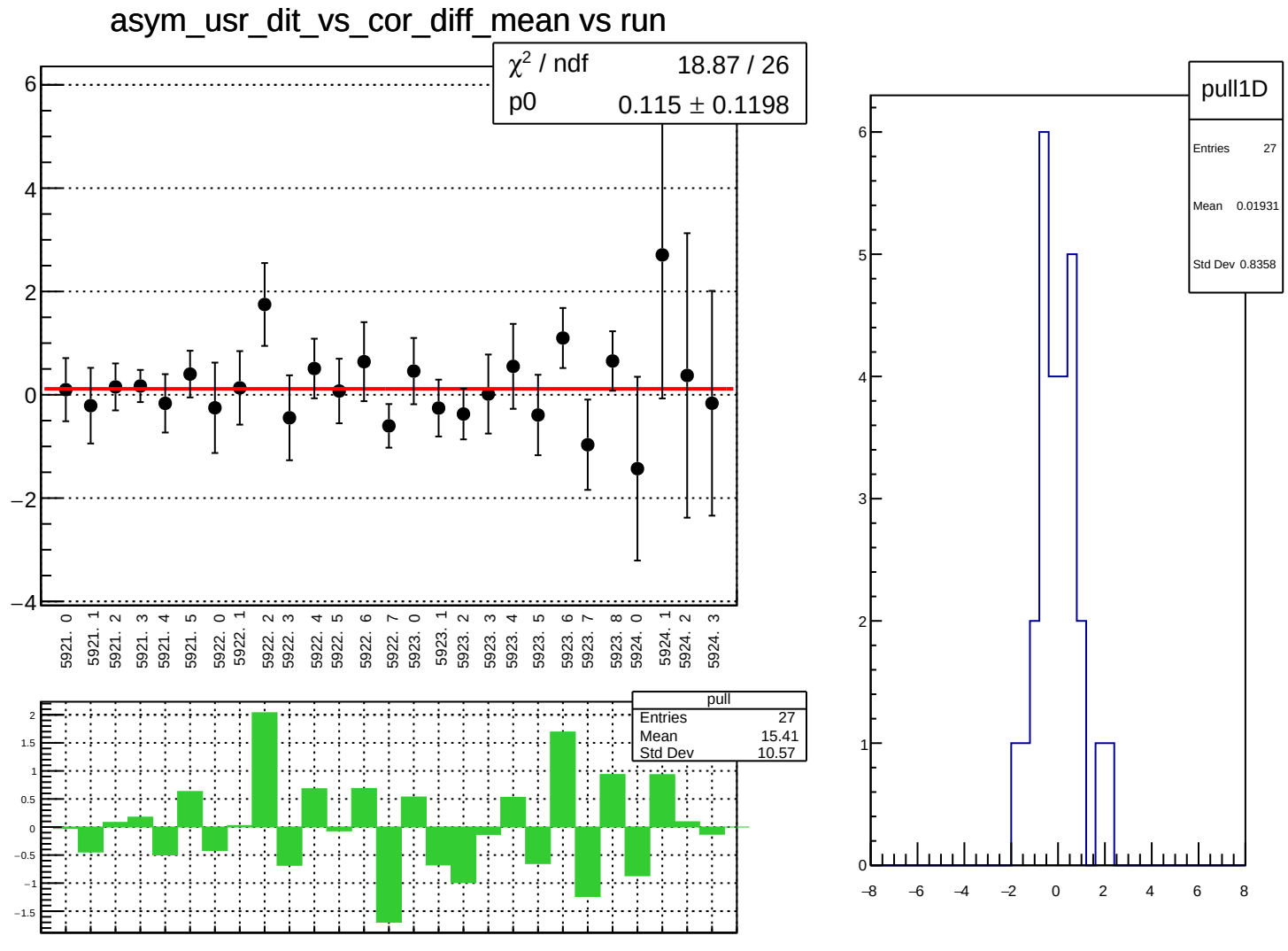

pull
Entries 27
Mean −69.47
Std Dev 0
2
1
0
−1
−2

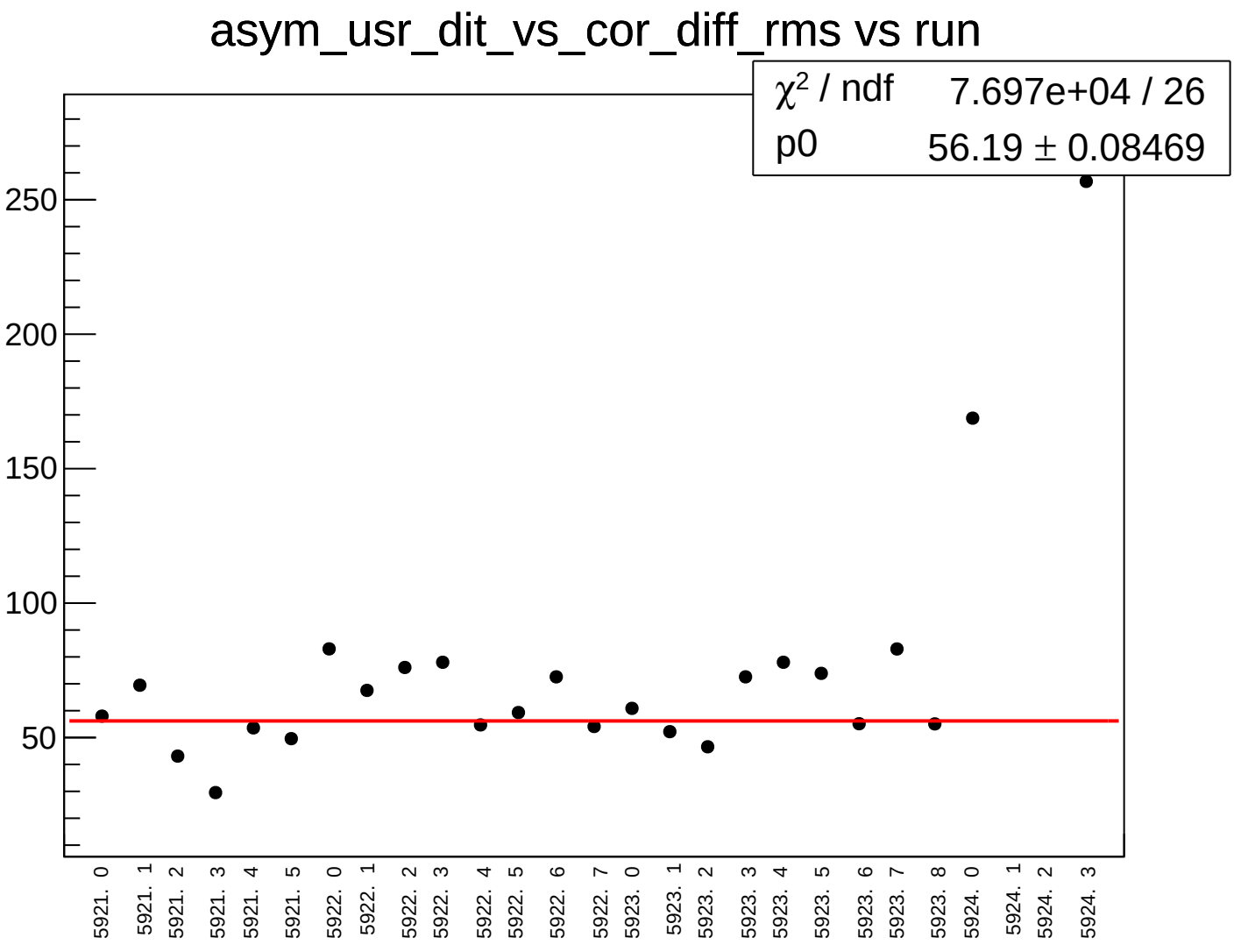

pull1D
Entries 27
Mean −0.009556
Std Dev 1.063
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

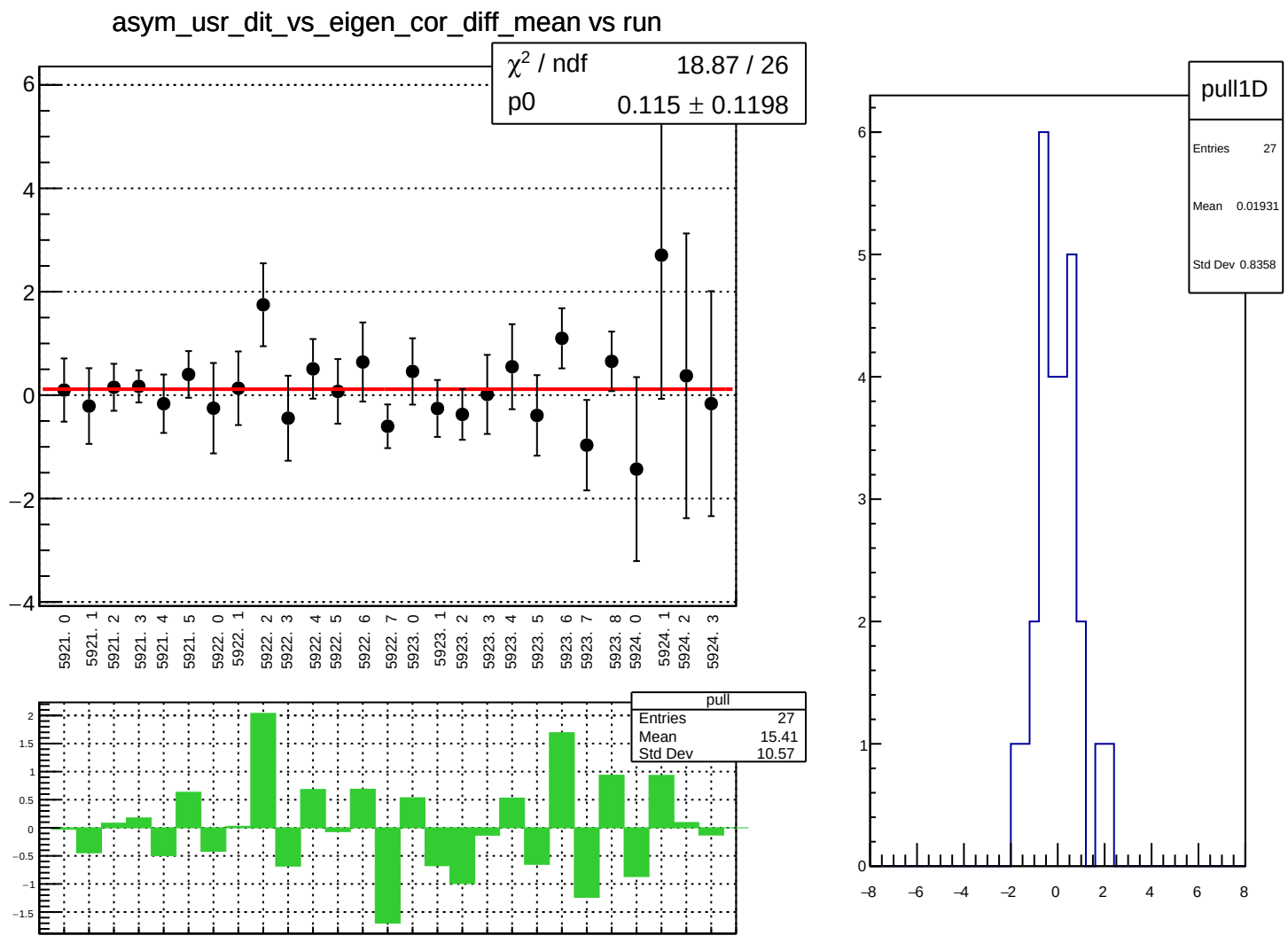

asym_usr_rms vs run
χ² / ndf 2569 / 26
p0 1971 ± 2.747
2400
2300
2200
2100
2000
1900
1800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

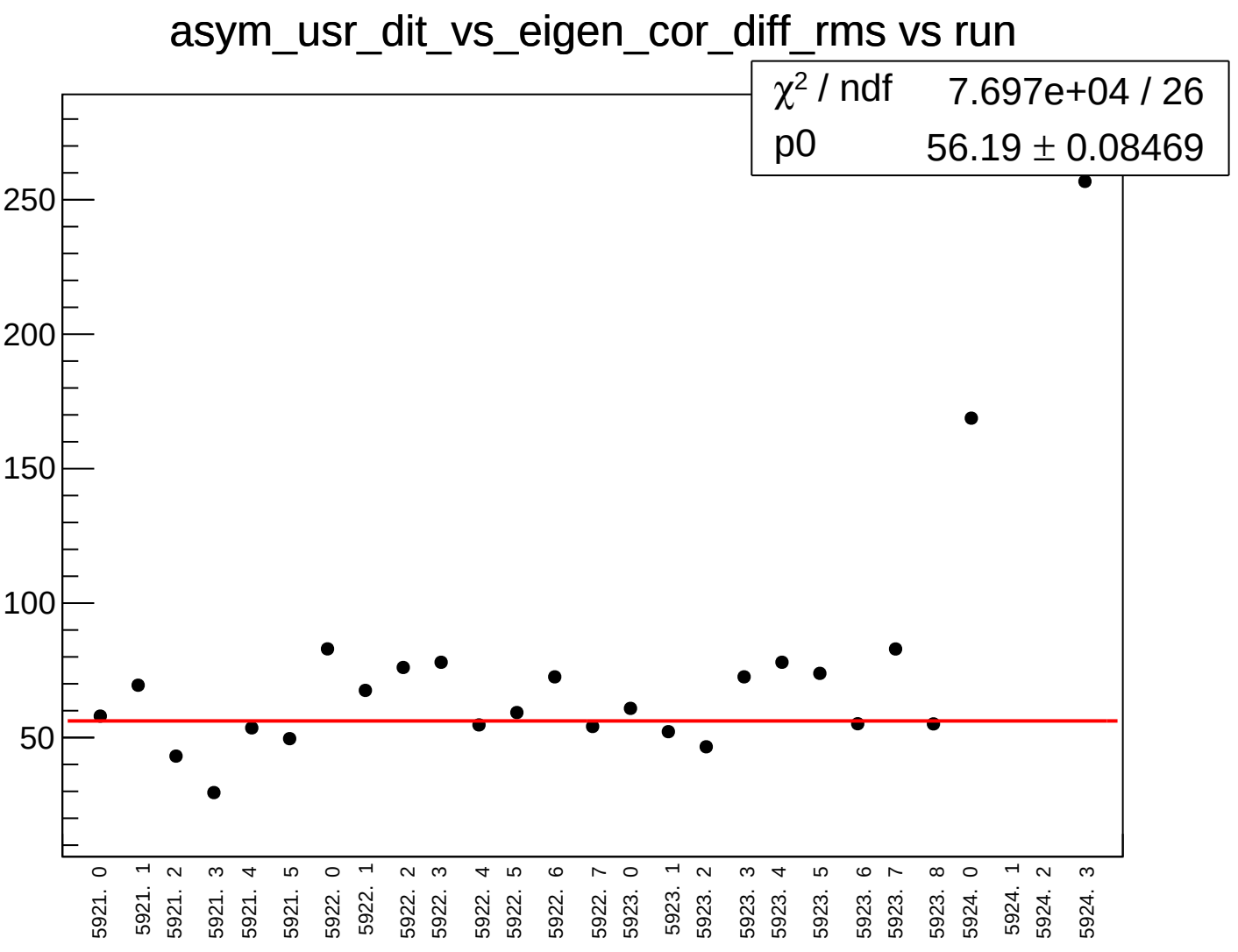

asym_usr_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 33.81 / 26
p0 9.052e−14 ± 1.581e−13
6
4
2
0
−2
−4
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 7.86
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.3634
Std Dev 1.058
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

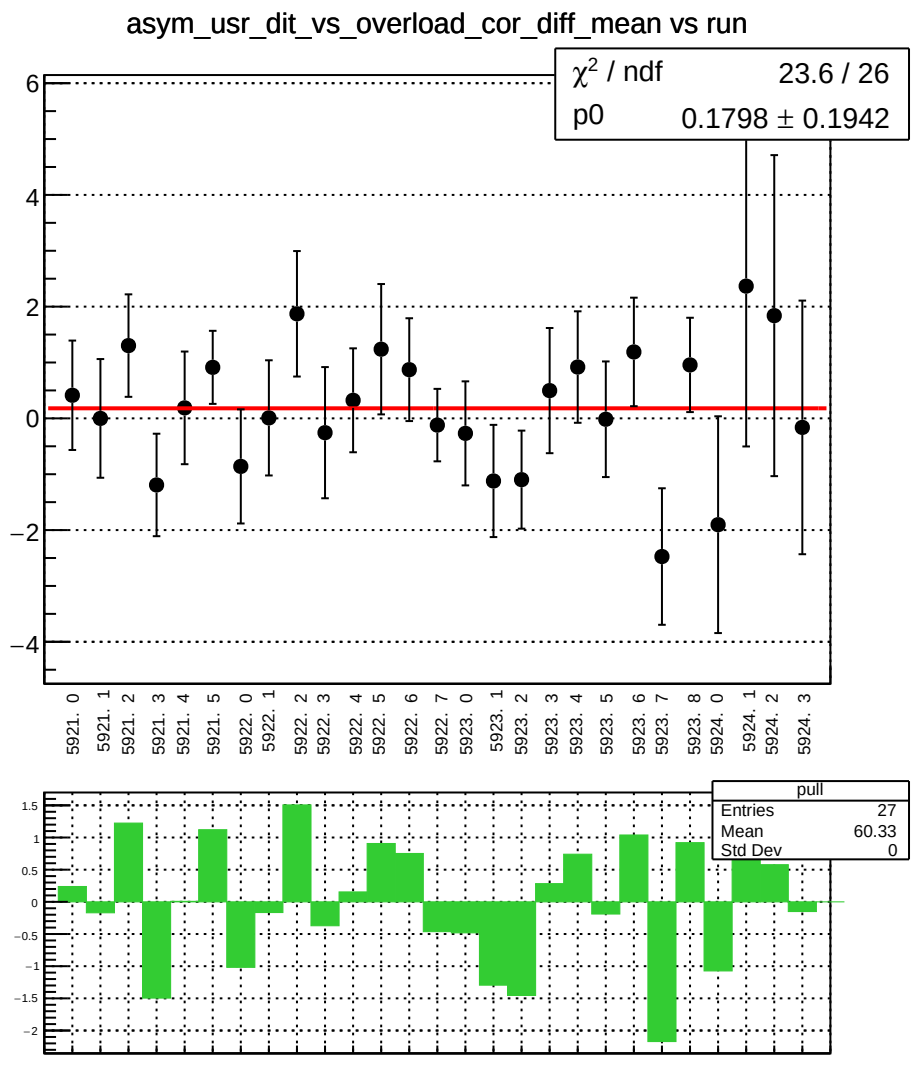

asym_usr_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.7e+05 / 26
p0 5.559e−11 ± 1.118e−13
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

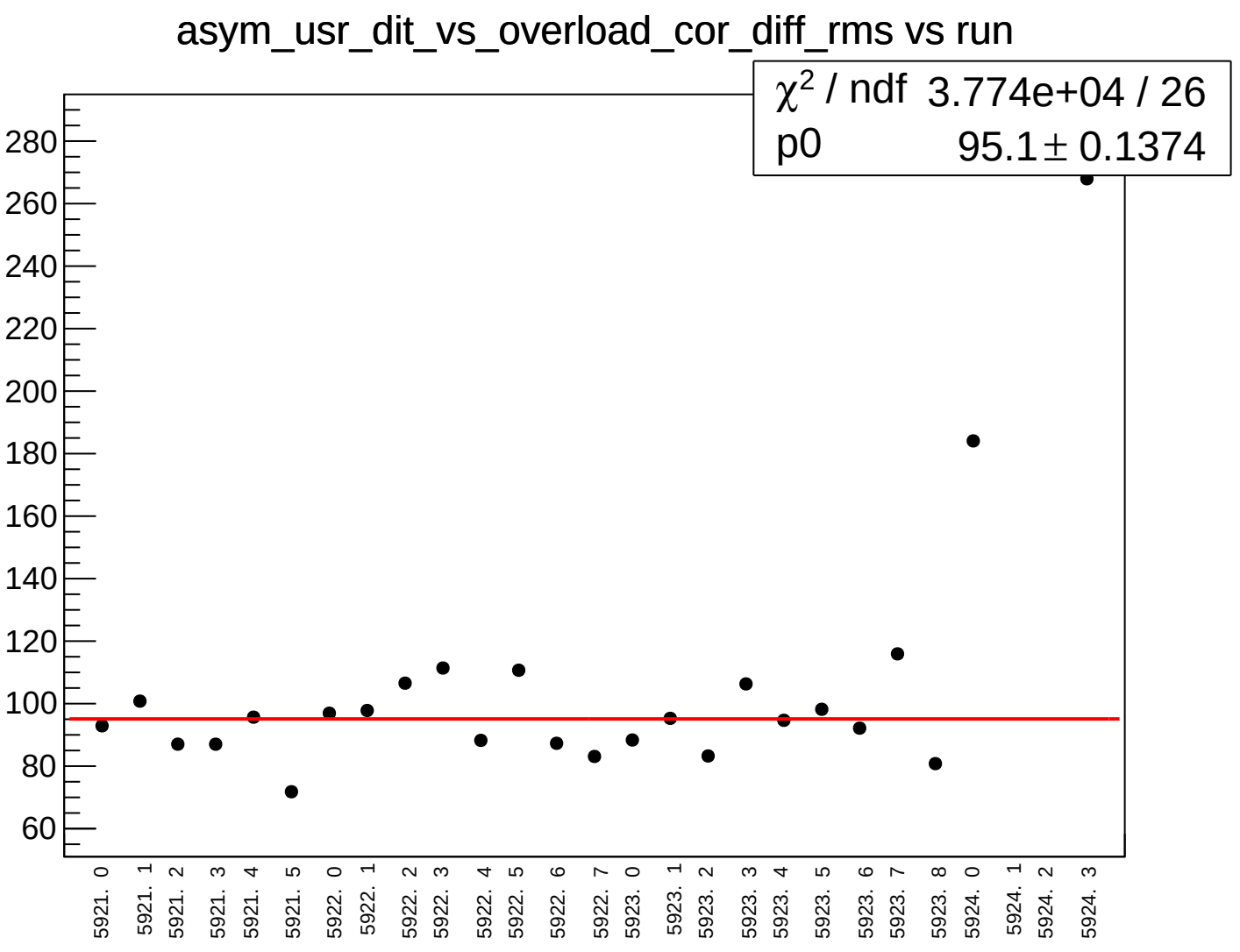

asym_usr_dit_vs_cor_diff_mean vs run
χ² / ndf 18.87 / 26
p0 0.115 ± 0.1198
6
4
2
0
−2
−4
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 15.41
Std Dev 10.57
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.01931
Std Dev 0.8358
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

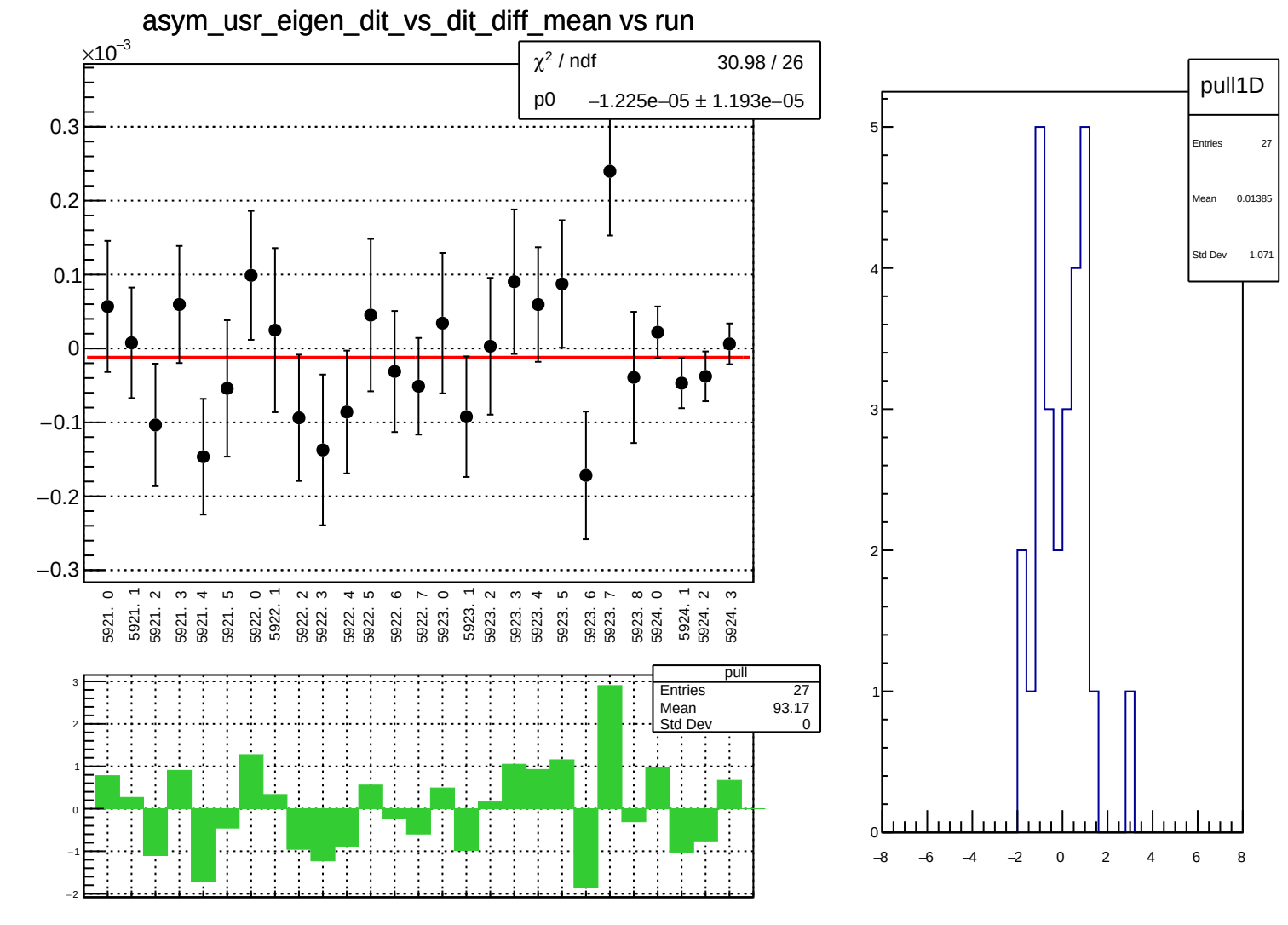

asym_usr_dit_vs_cor_diff_rms vs run
χ² / ndf 7.697e+04 / 26
p0 56.19 ± 0.08469
250
200
150
100
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

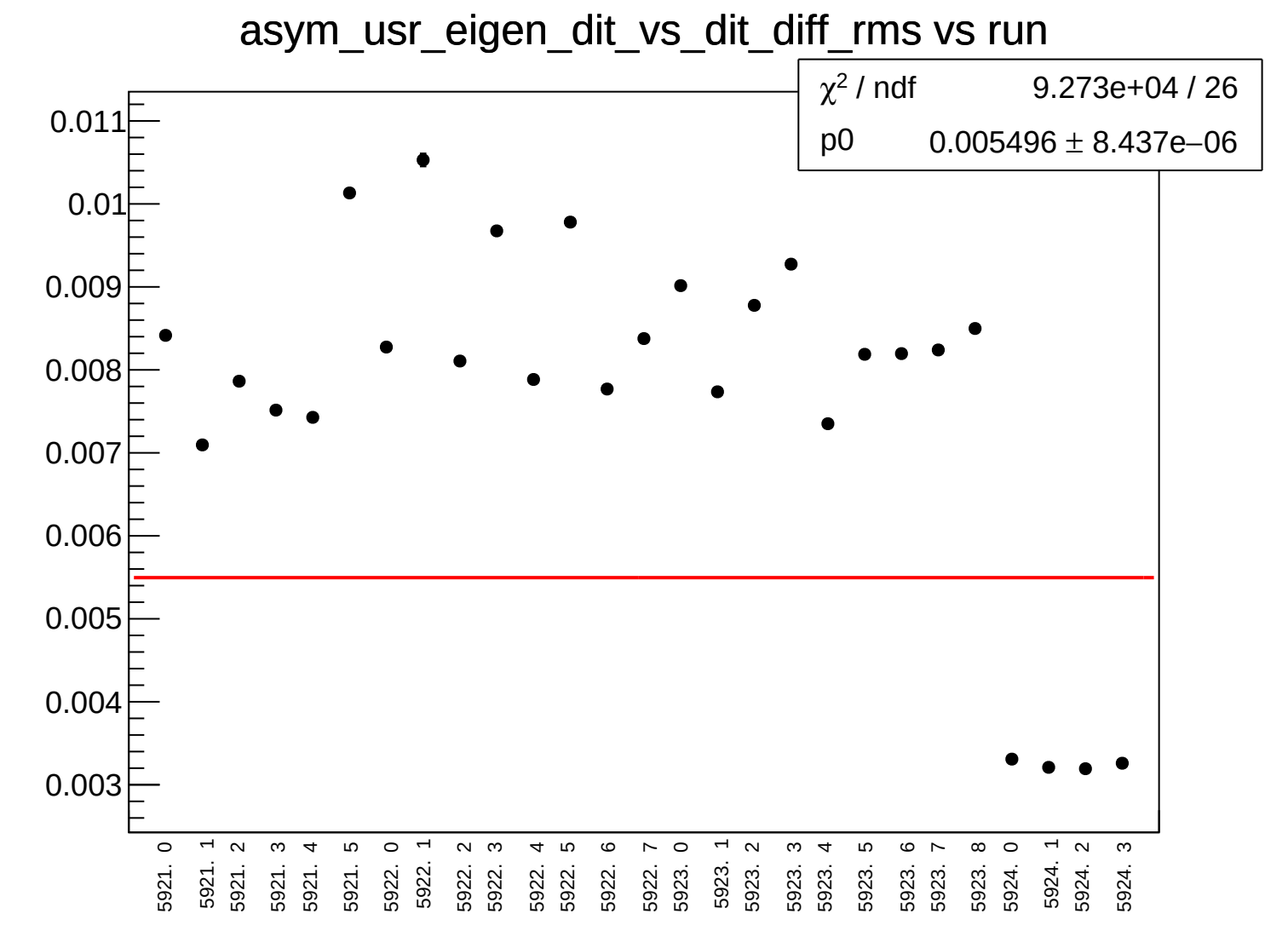

asym_usr_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 18.87 / 26
p0 0.115 ± 0.1198
6
4
2
0
−2
−4
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 15.41
Std Dev 10.57
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.01931
Std Dev 0.8358
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

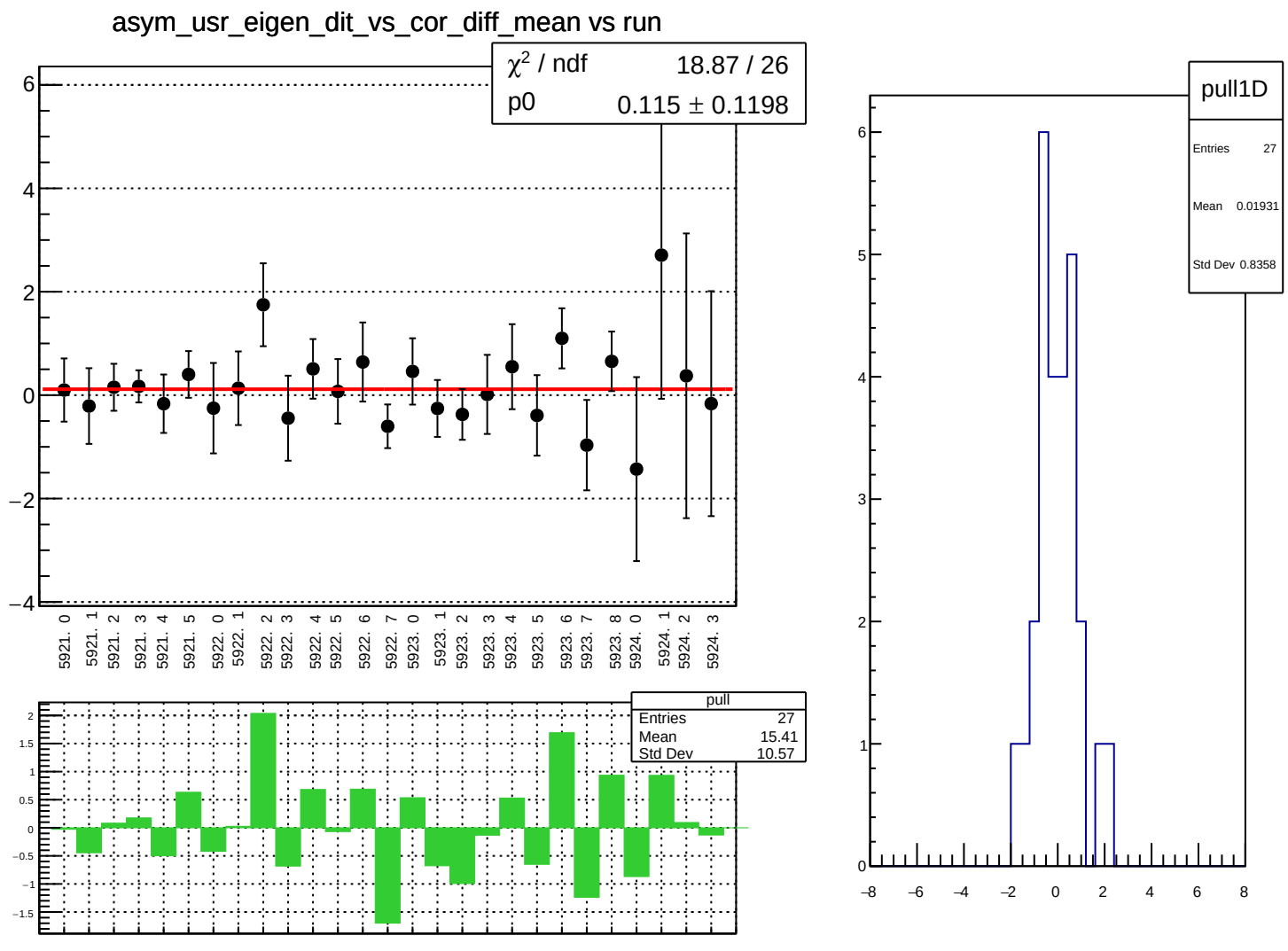

asym_usr_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.697e+04 / 26
p0 56.19 ± 0.08469
250
200
150
100
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

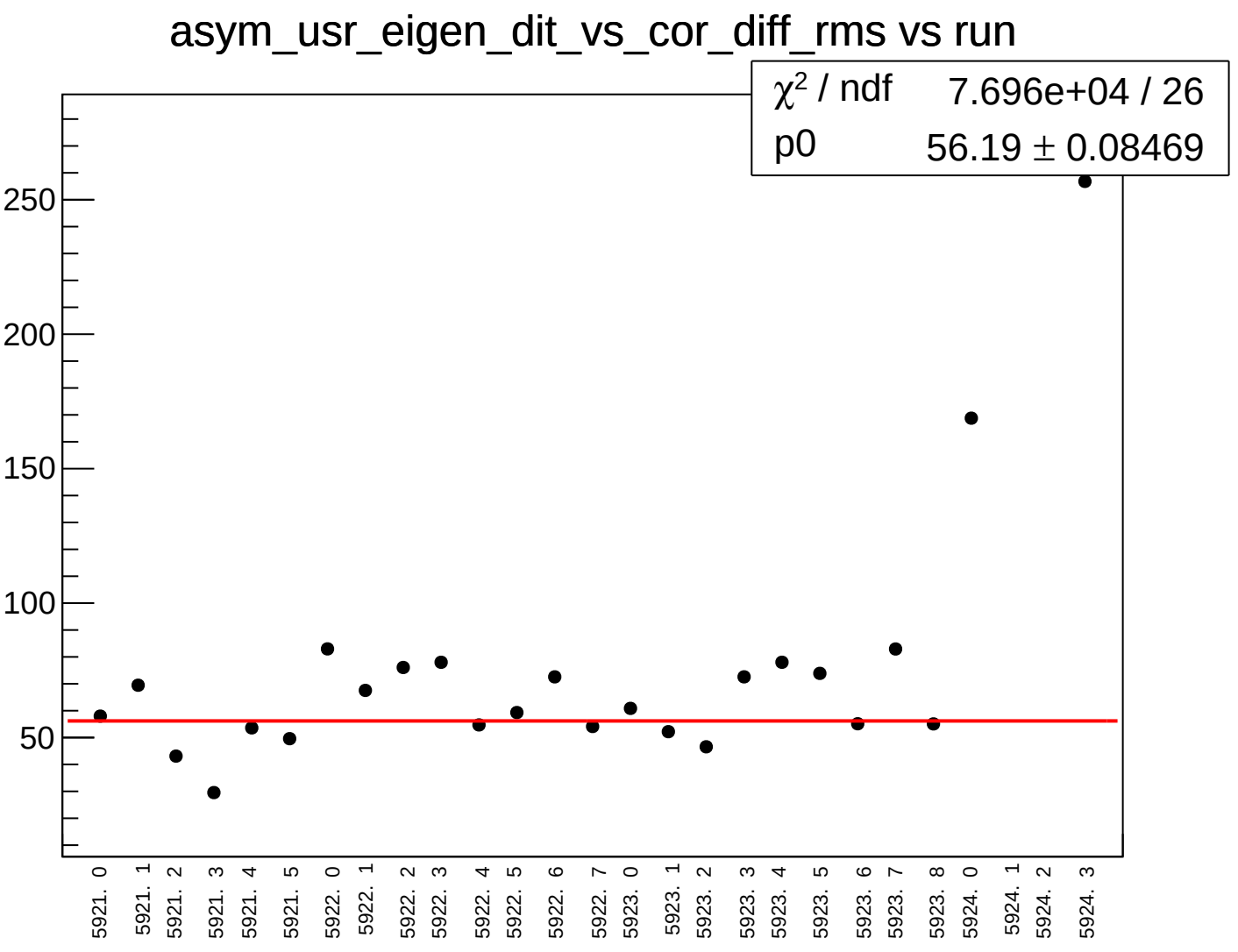

asym_usr_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 23.6 / 26
p0 0.1798 ± 0.1942
6
4
2
0
−2
−4
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 60.33
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.009887
Std Dev 0.9348
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

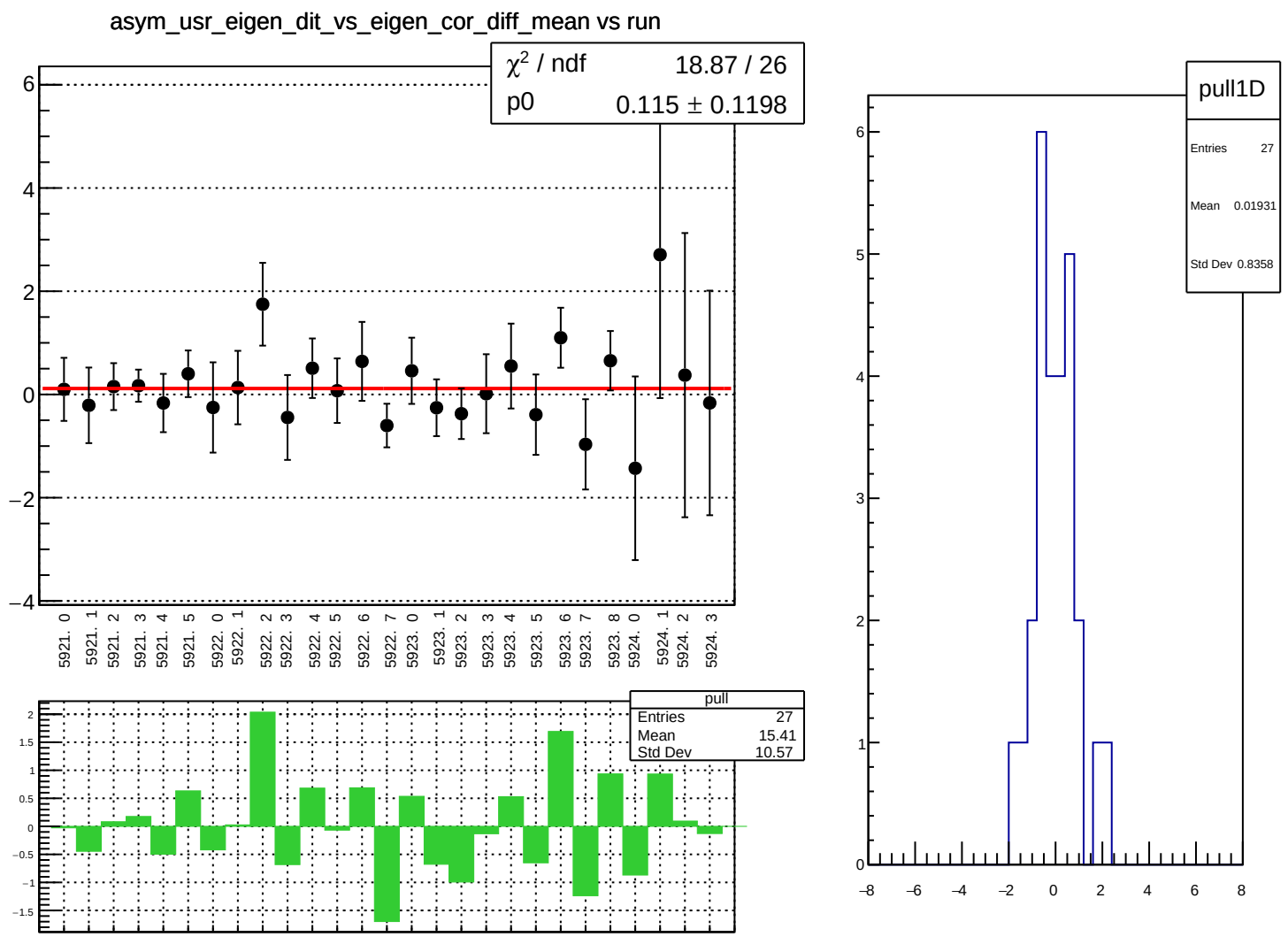

asym_usr_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 3.774e+04 / 26
p0 95.1 ± 0.1374
280
260
240
220
200
180
160
140
120
100
80
60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

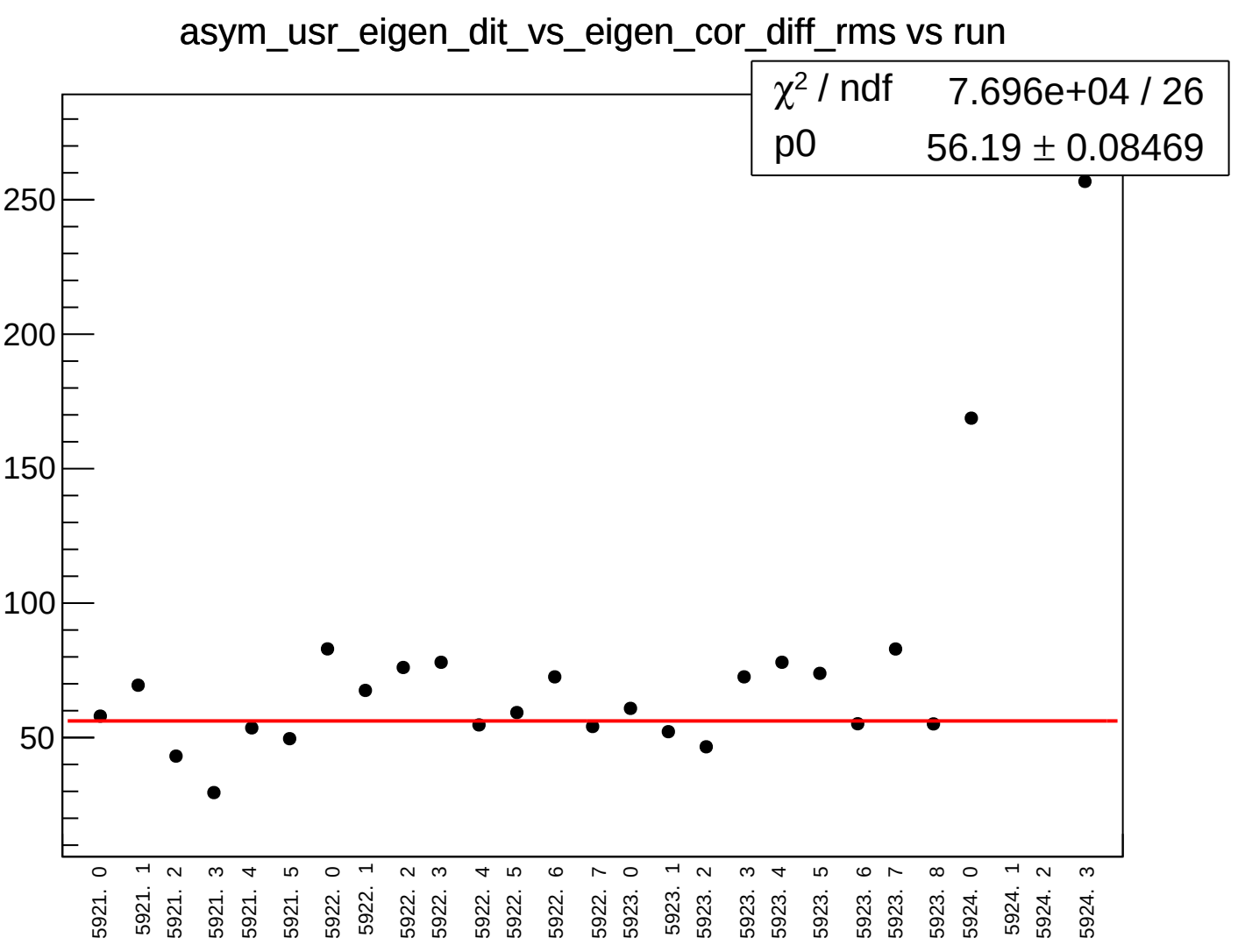

asym_usr_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 30.98 / 26
p0 −1.225e−05 ± 1.193e−05
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 93.17
Std Dev 0
pull1D
Entries 27
Mean 0.01385
Std Dev 1.071

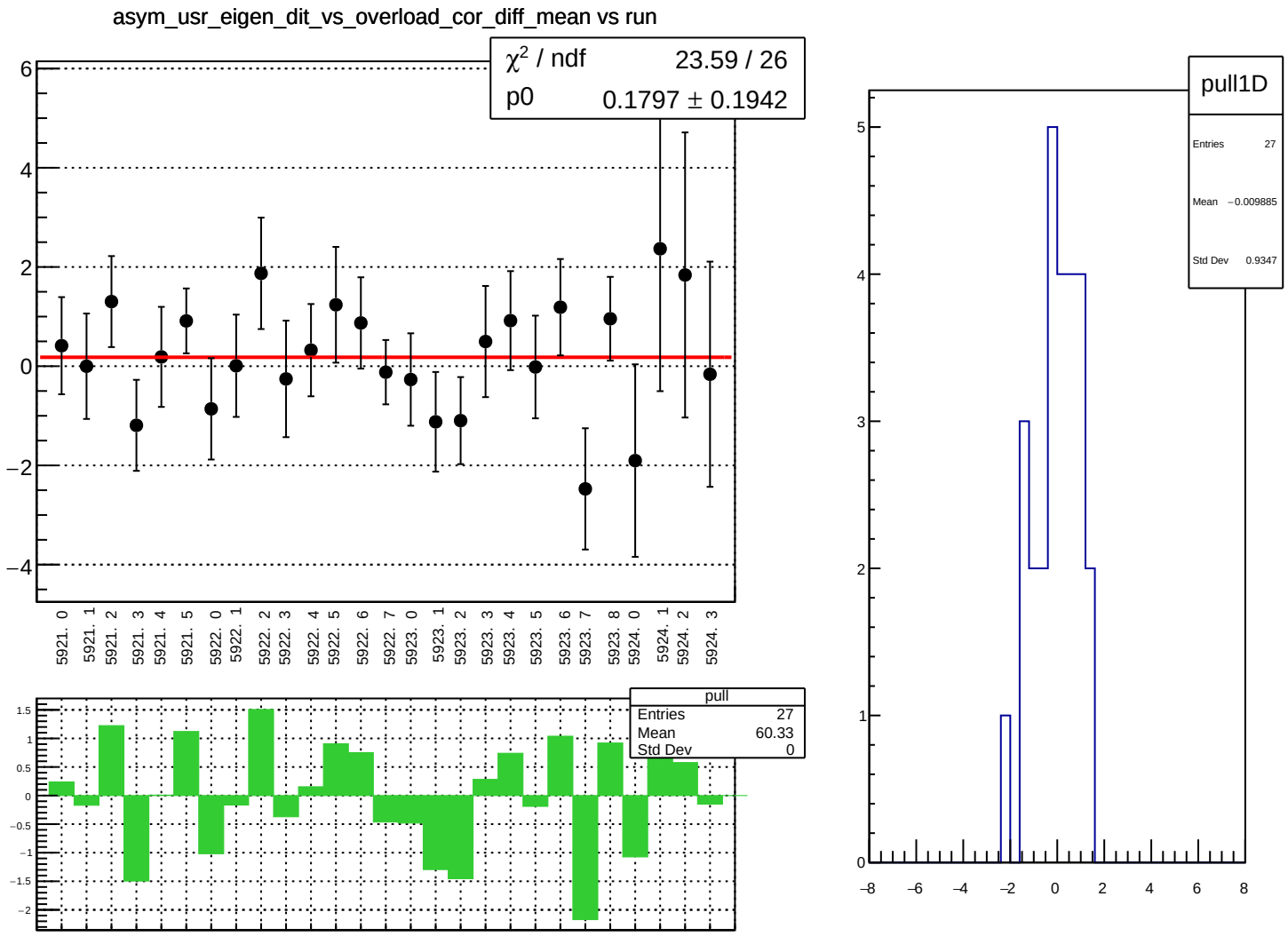

asym_usr_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 9.273e+04 / 26
p0 0.005496 ± 8.437e−06
0.011
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

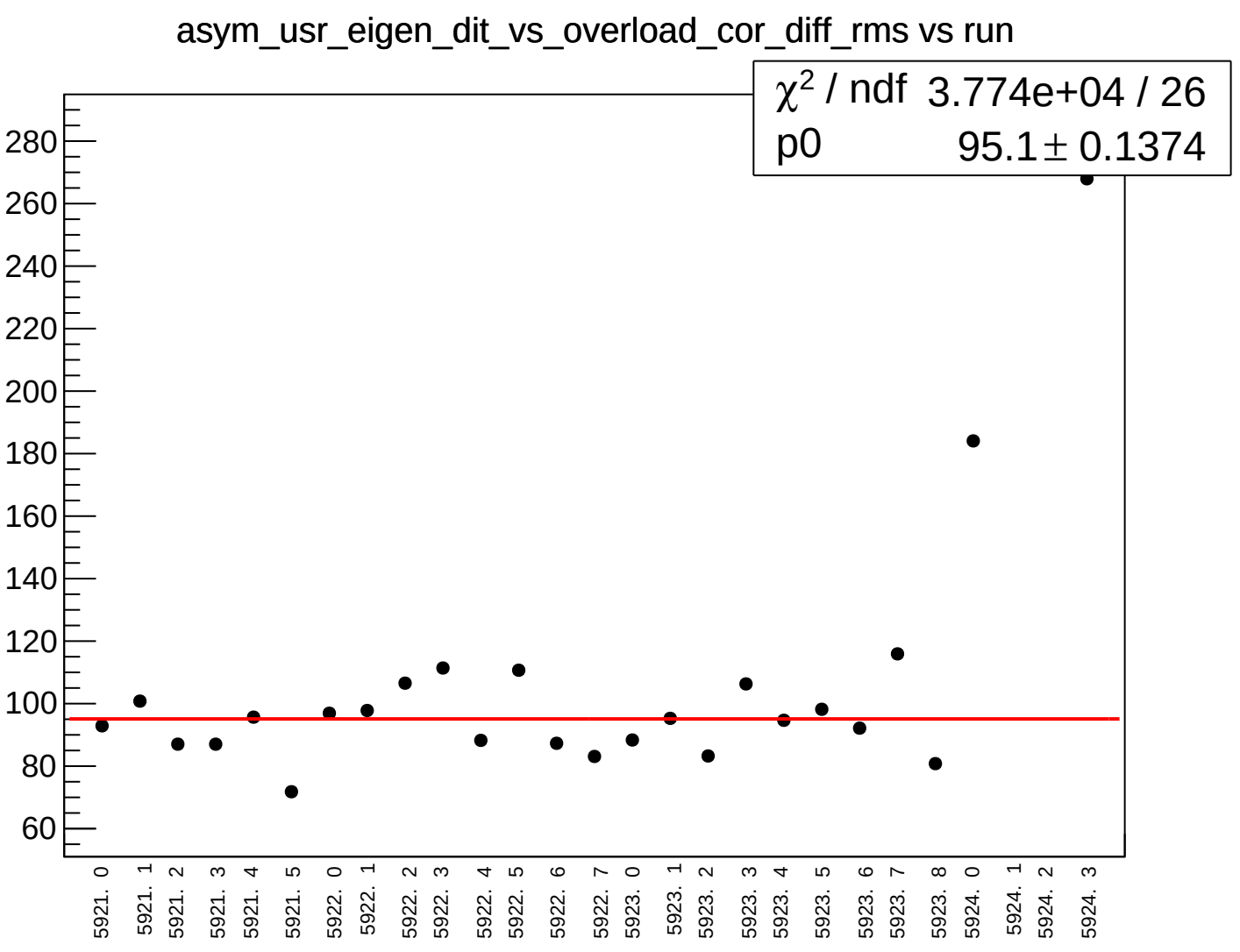

asym_usr_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 18.87 / 26
p0 0.115 ± 0.1198
6
4
2
0
−2
−4
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 15.41
Std Dev 10.57
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.01931
Std Dev 0.8358
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

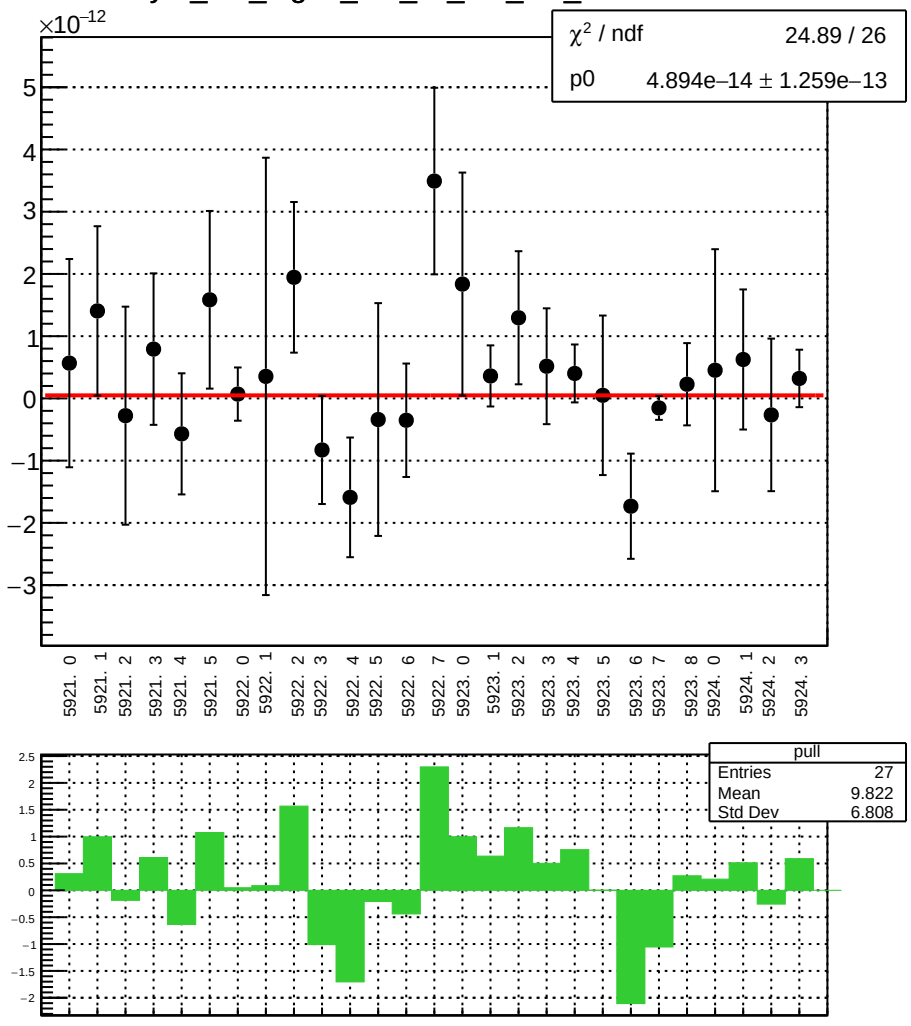

asym_usr_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.696e+04 / 26
p0 56.19 ± 0.08469
250
200
150
100
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

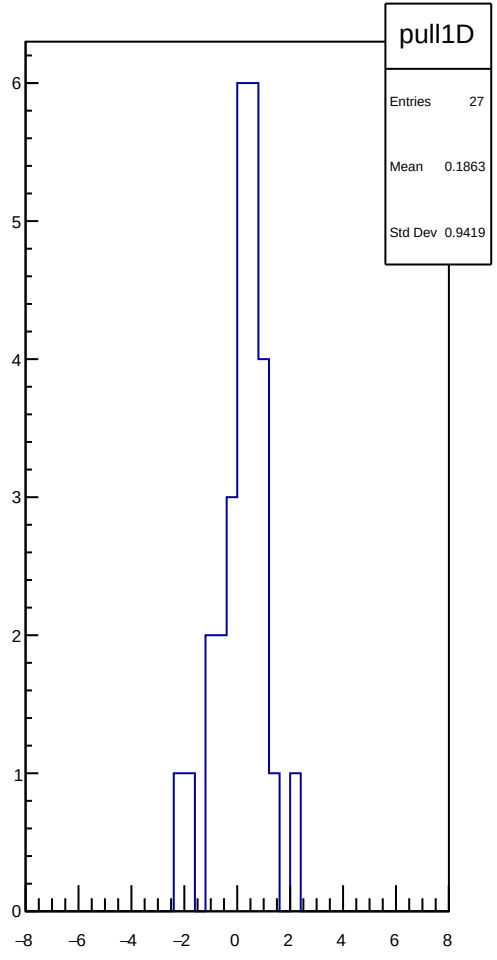

asym_usr_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 18.87 / 26
p0 0.115 ± 0.1198
pull
Entries 27
Mean 15.41
Std Dev 10.57
pull1D
Entries 27
Mean 0.01931
Std Dev 0.8358

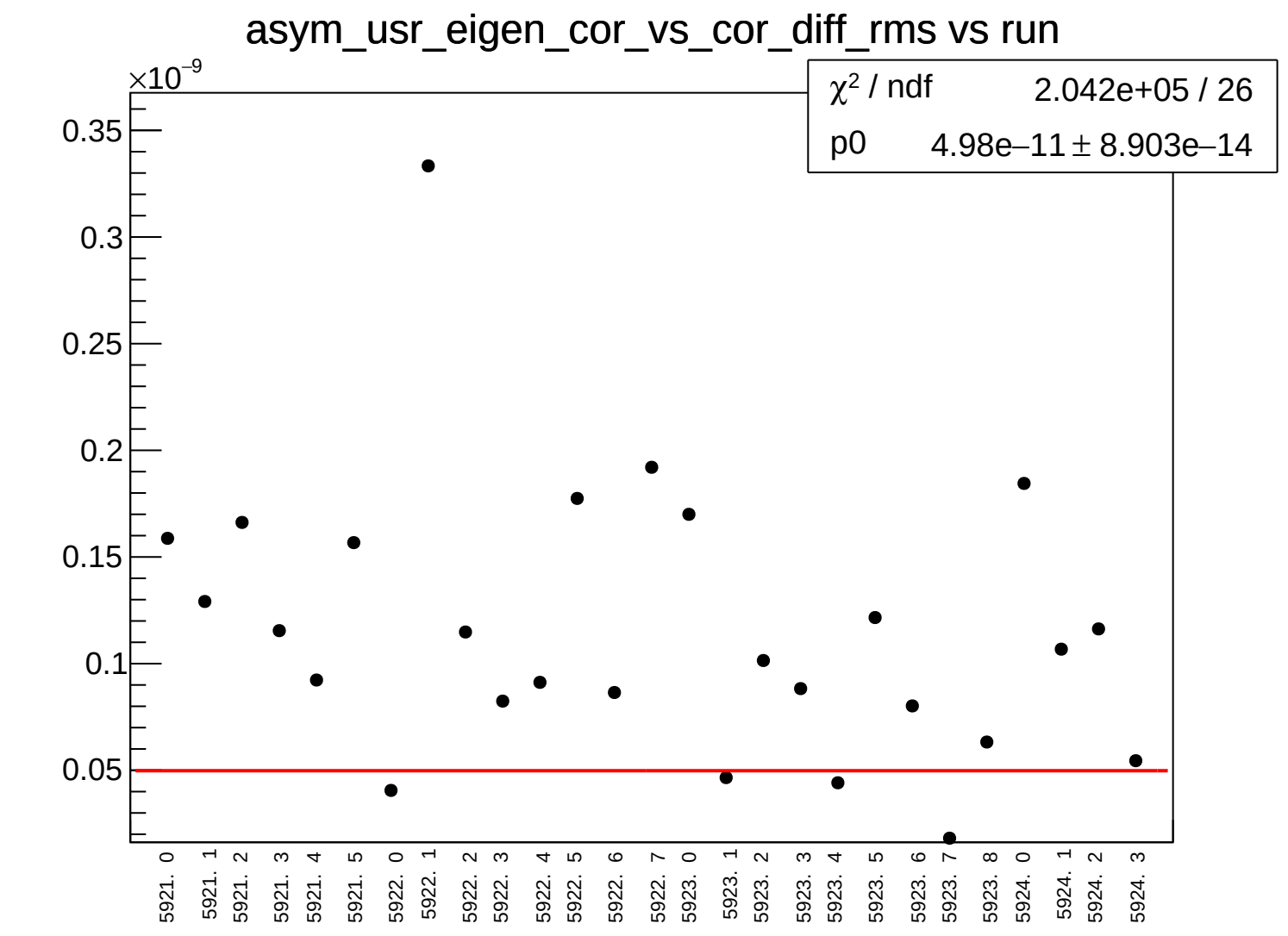

asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.696e+04 / 26
p0 56.19 ± 0.08469
250
200
150
100
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

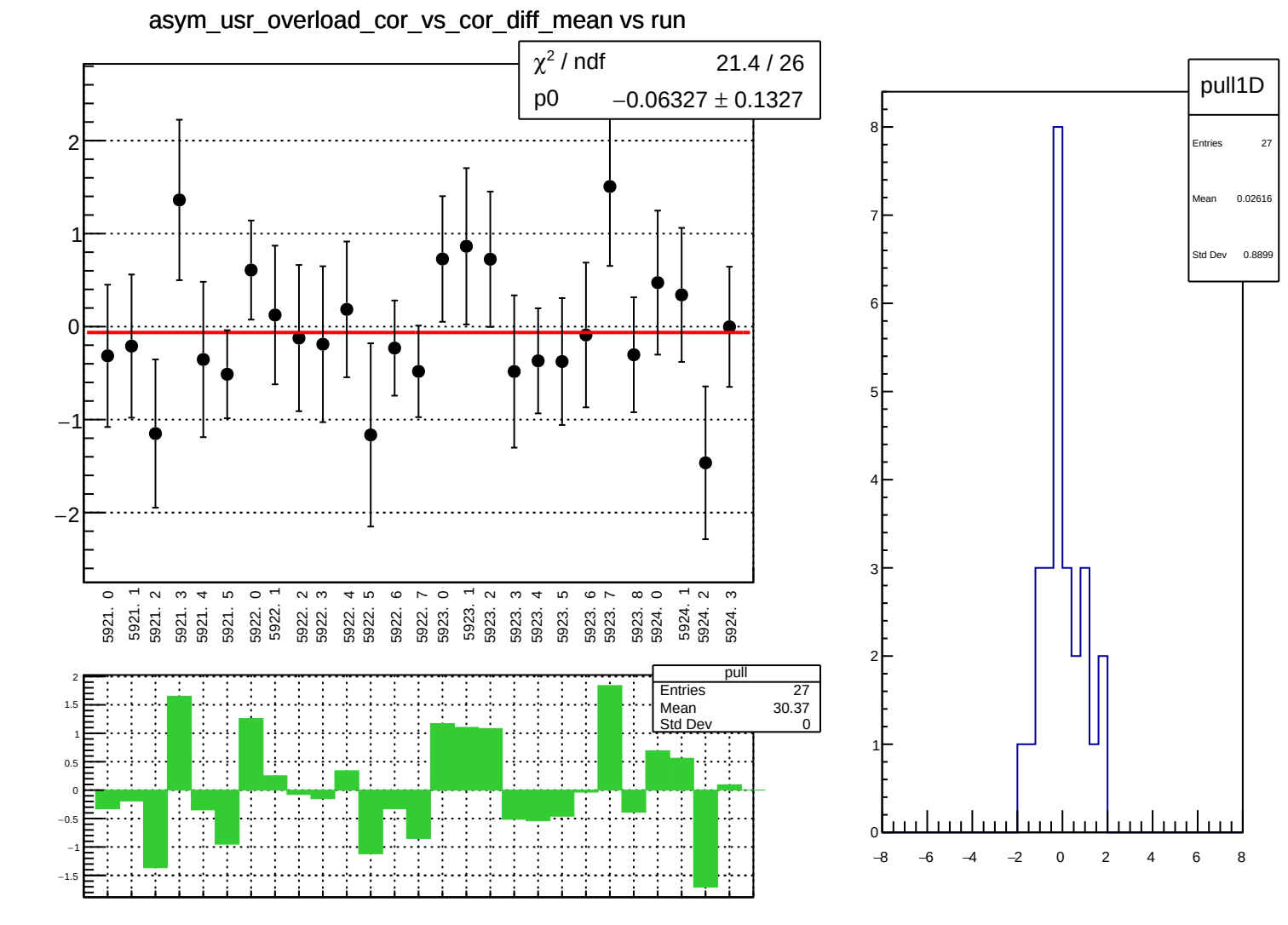

asym_usr_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 23.59 / 26
p0 0.1797 ± 0.1942
6
4
2
0
−2
−4
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 60.33
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.009885
Std Dev 0.9347
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

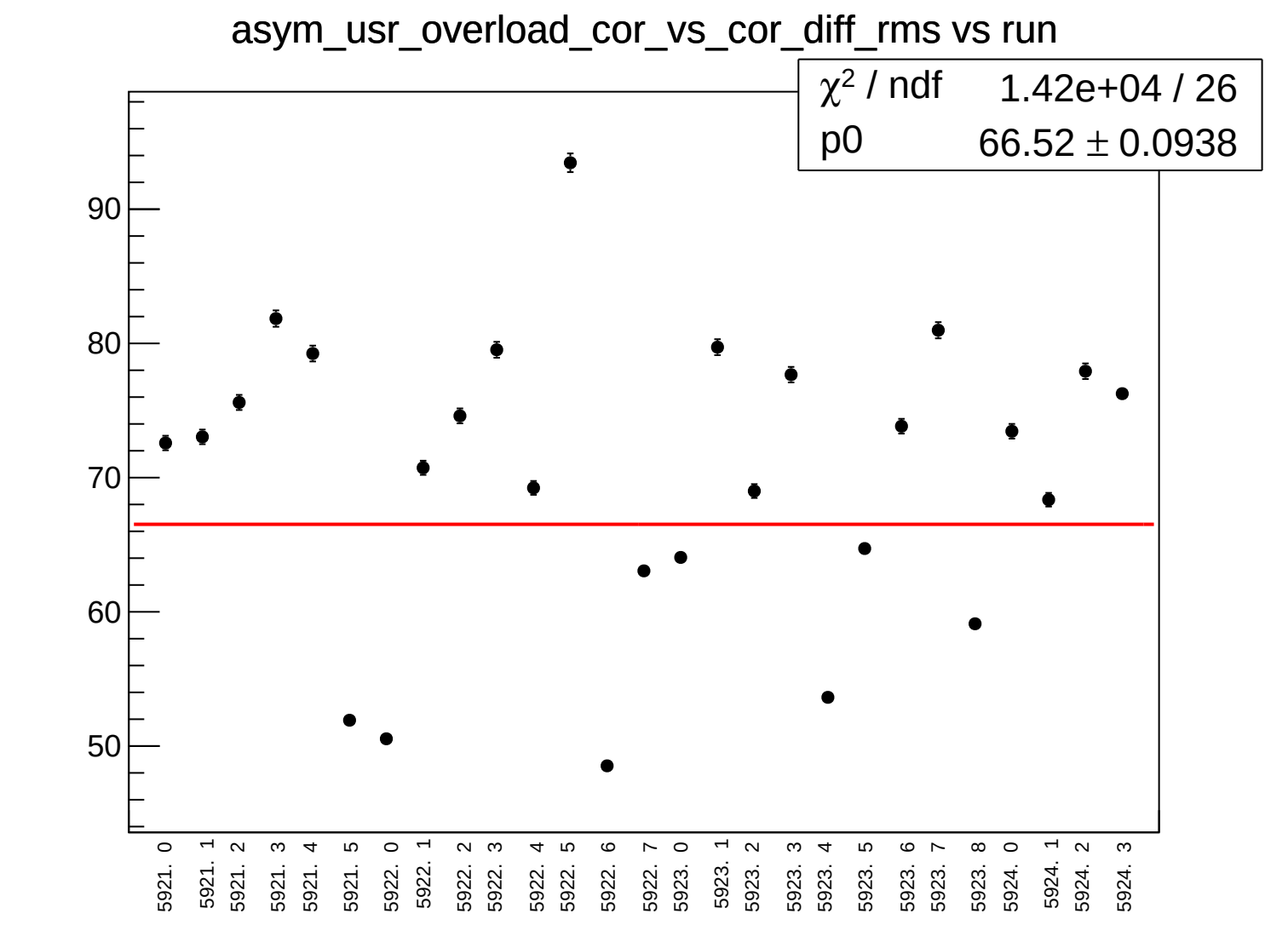

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 3.774e+04 / 26
p0 95.1 ± 0.1374
280
260
240
220
200
180
160
140
120
100
80
60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

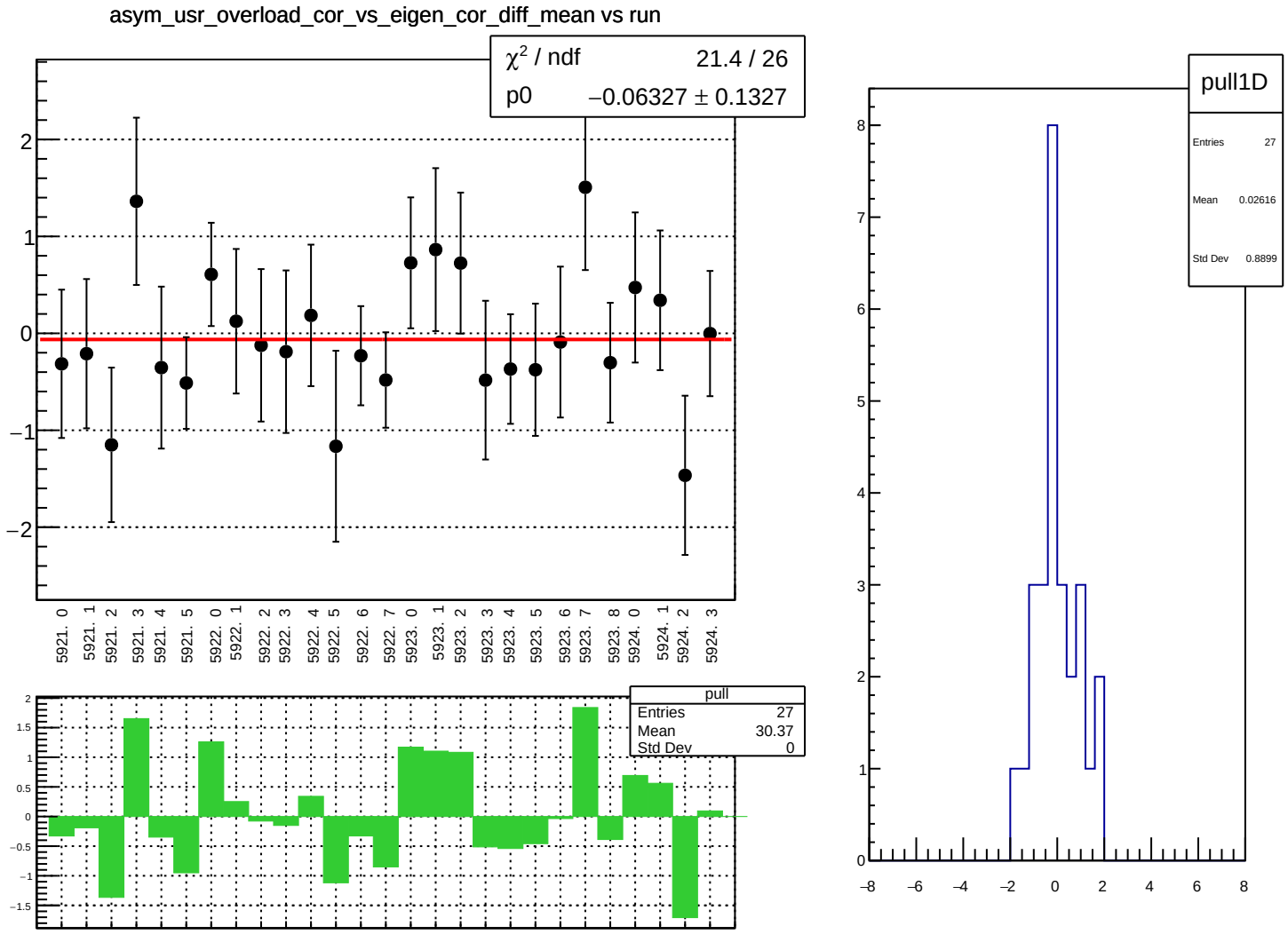

asym_usr_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 24.89 / 26
p0 4.894e−14 ± 1.259e−13
5
4
3
2
1
0
−1
−2
−3
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 9.822
Std Dev 6.808
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

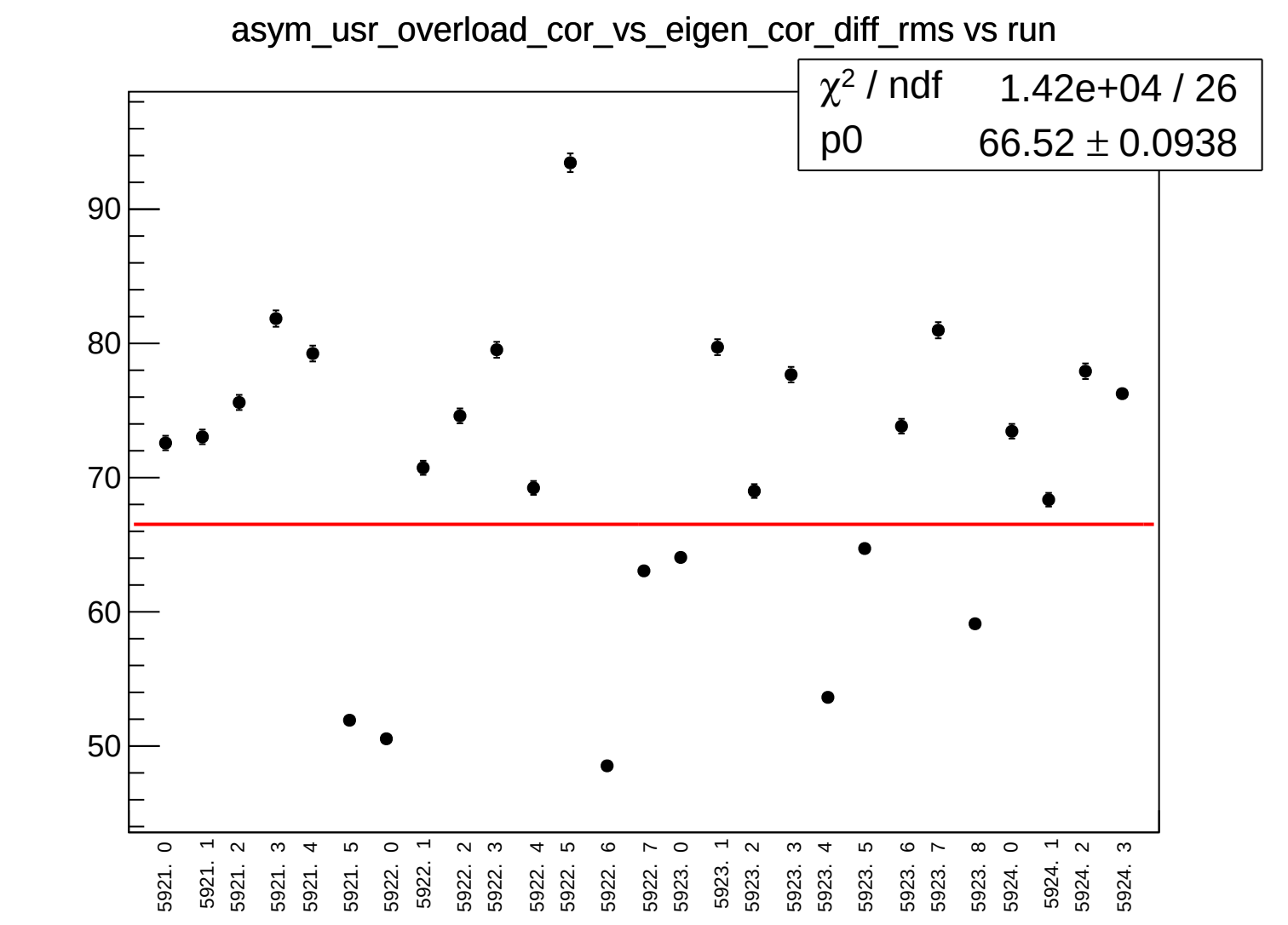

pull1D
Entries 27
Mean 0.1863
Std Dev 0.9419
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

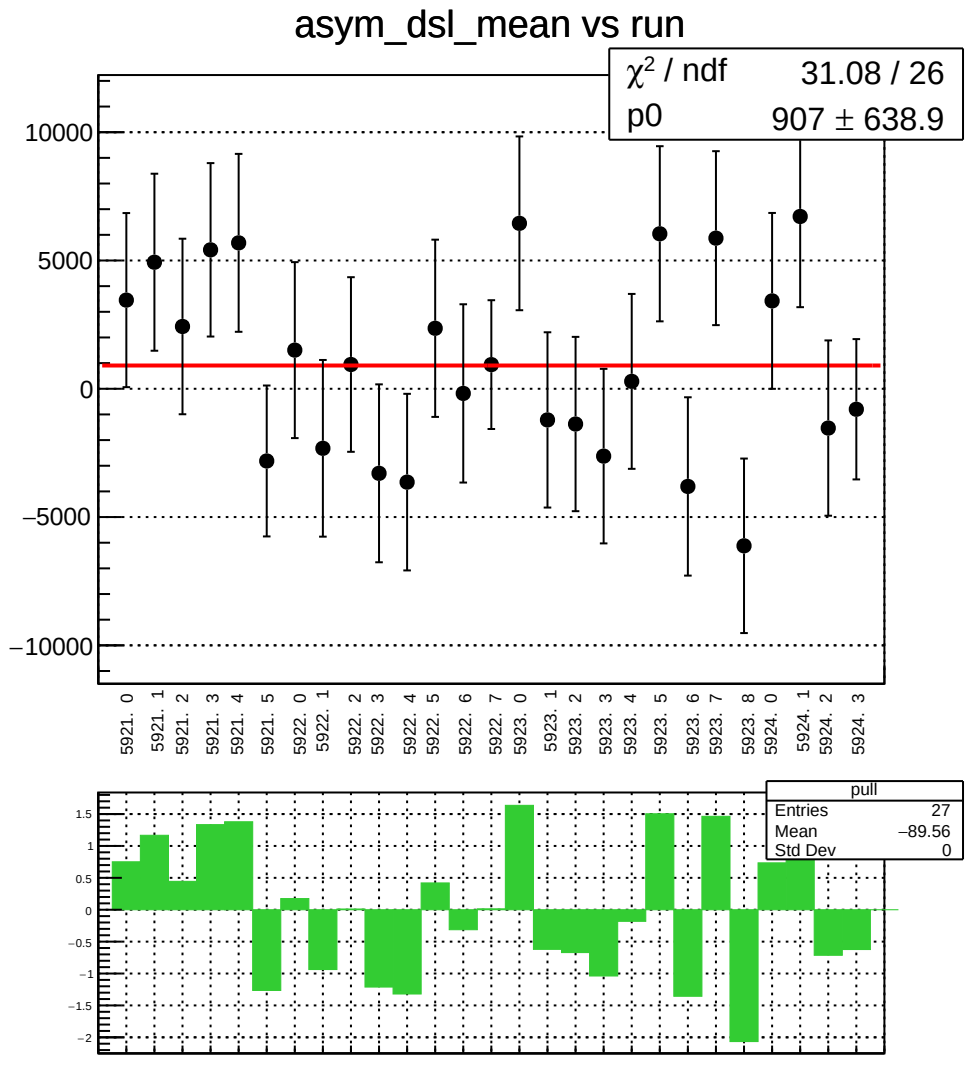

asym_usr_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.042e+05 / 26
p0 4.98e−11 ± 8.903e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

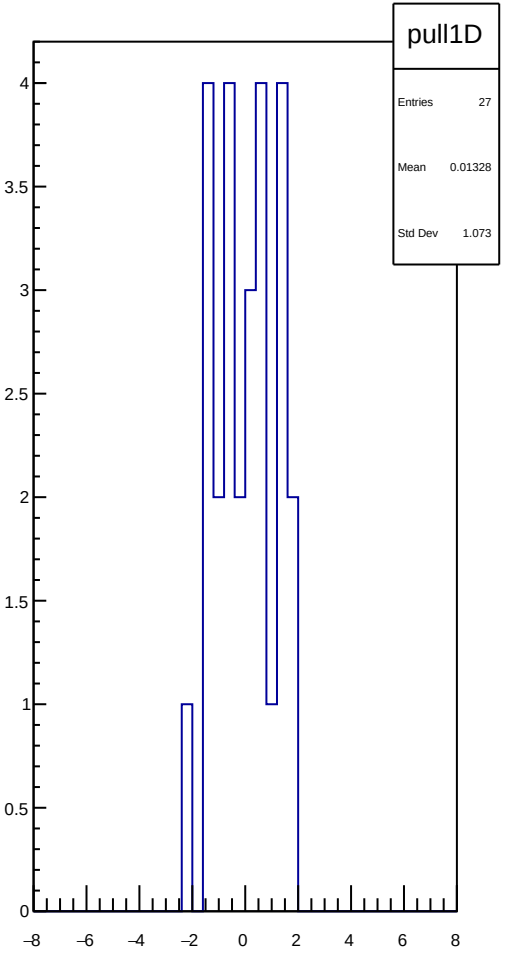

asym_usr_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 21.4 / 26
p0 −0.06327 ± 0.1327
2
1
0
−1
−2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 30.37
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.02616
Std Dev 0.8899
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

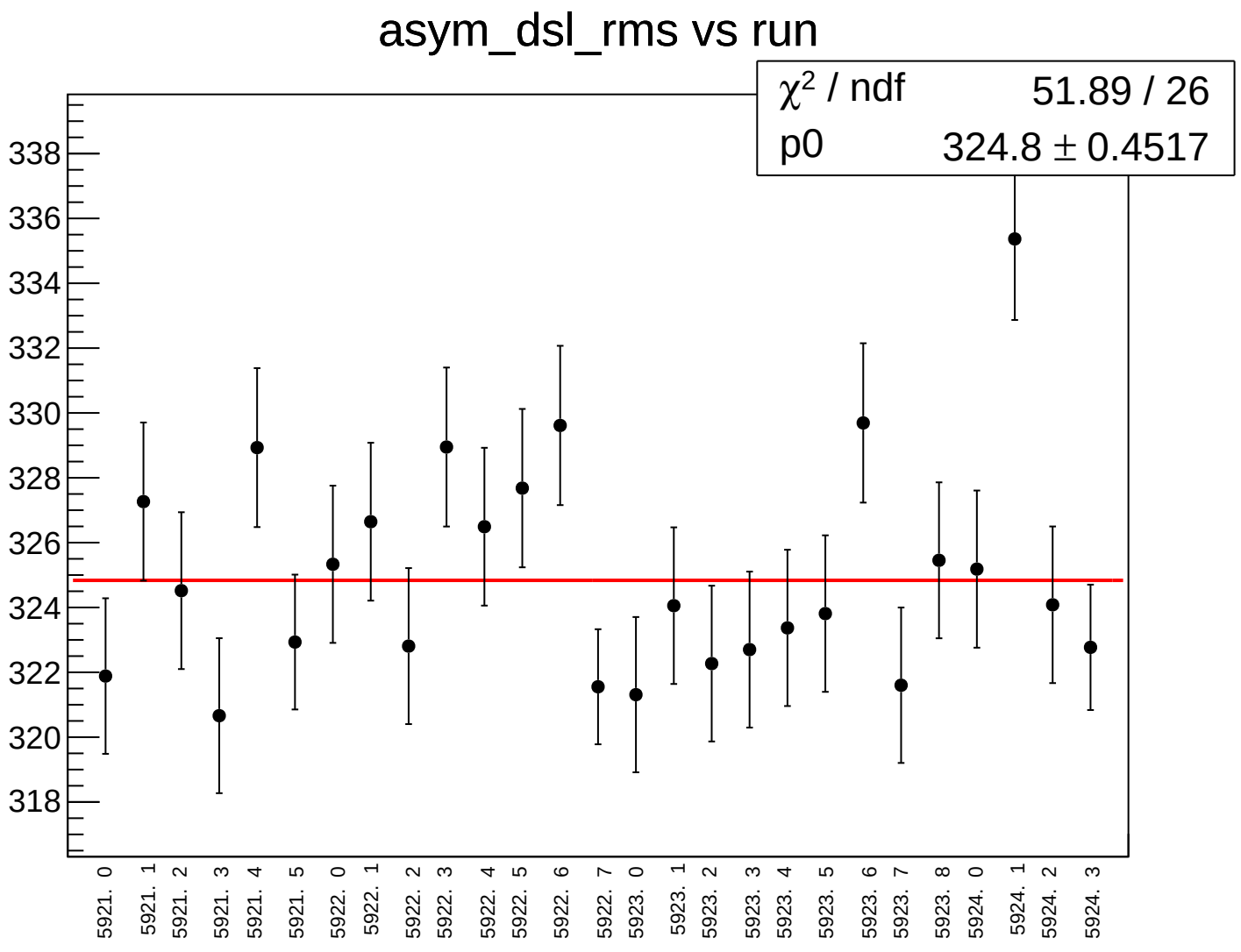

asym_usr_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 1.42e+04 / 26
p0 66.52 ± 0.0938
90
80
70
60
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

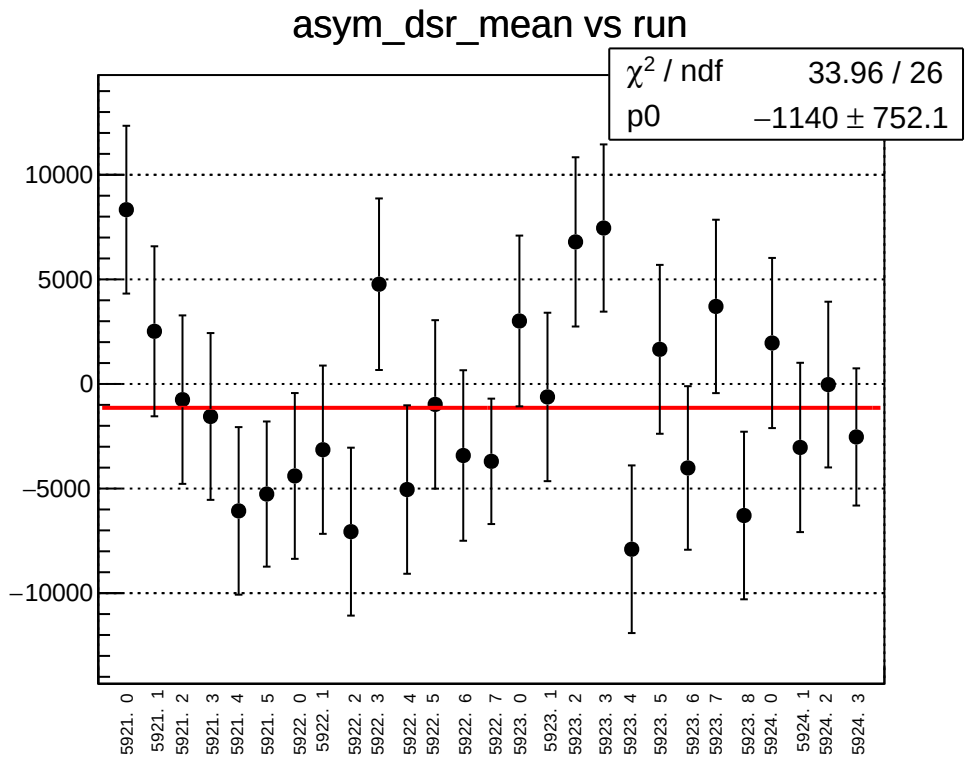

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 21.4 / 26
p0 −0.06327 ± 0.1327
2
1
0
−1
−2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 30.37
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.02616
Std Dev 0.8899
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

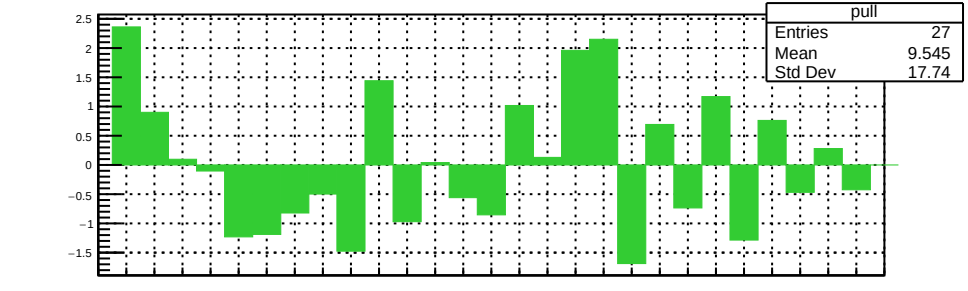

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.42e+04 / 26
p0 66.52 ± 0.0938
90
80
70
60
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

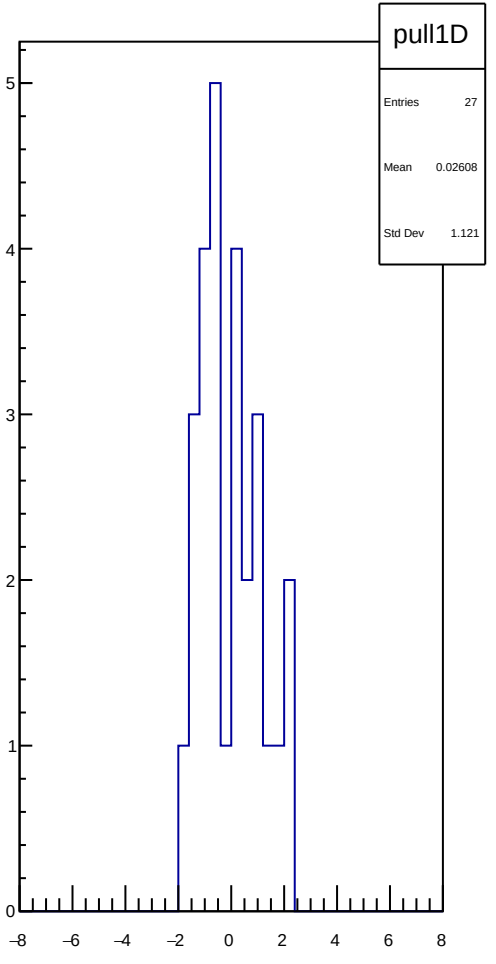

asym_dsl_mean vs run
χ² / ndf 31.08 / 26
p0 907 ± 638.9
10000
5000
0
−5000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −89.56
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

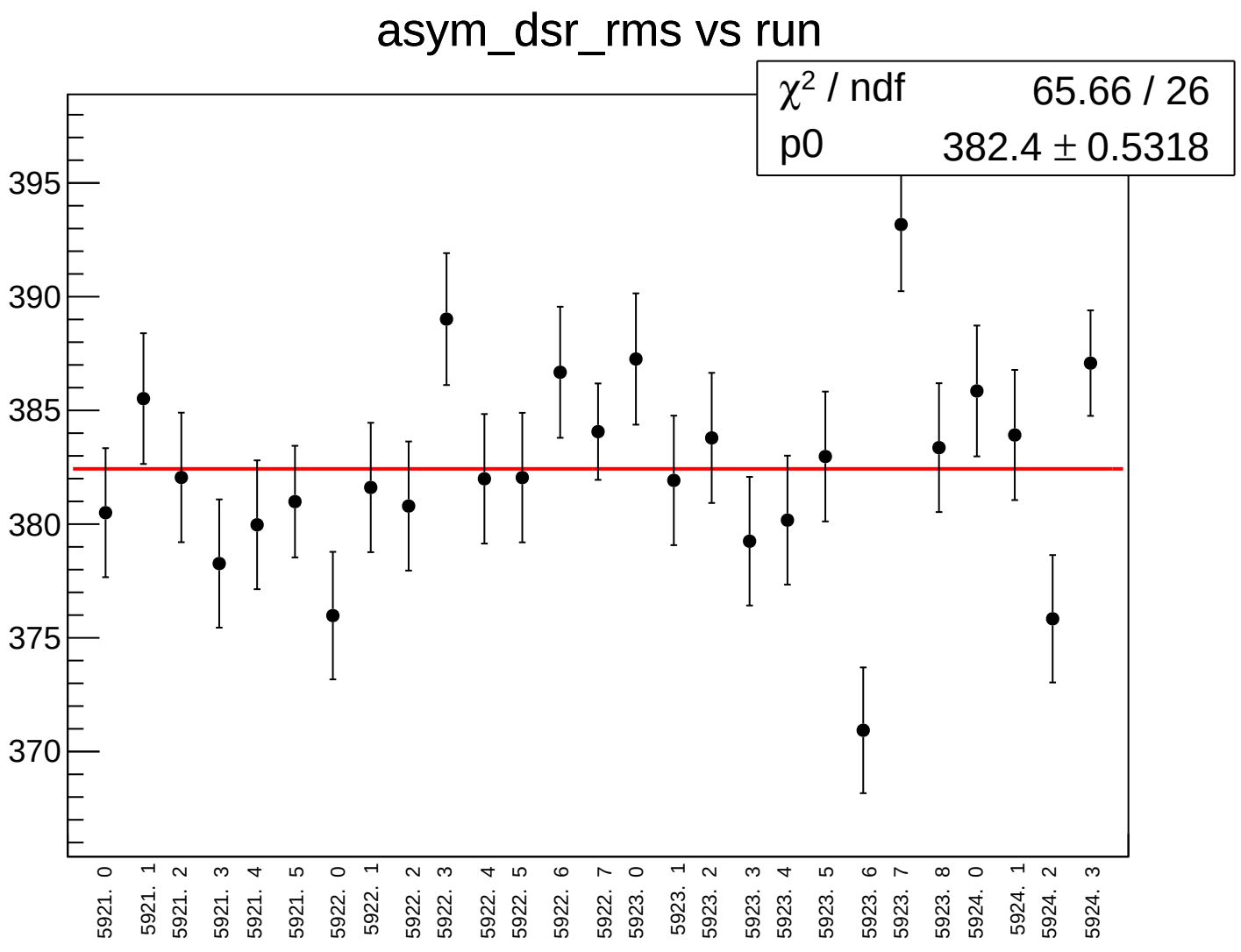

pull1D
Entries 27
Mean 0.01328
Std Dev 1.073
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

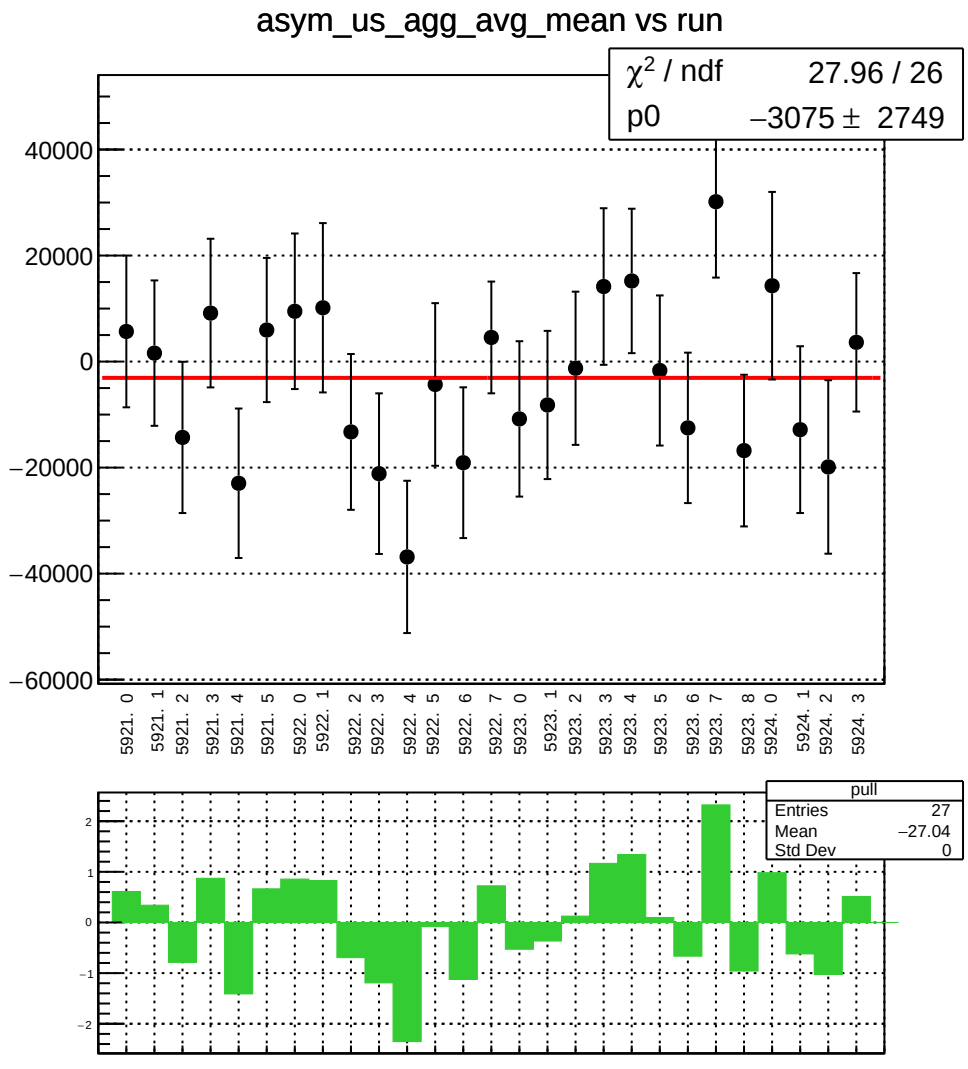

asym_dsl_rms vs run
χ² / ndf 51.89 / 26
p0 324.8 ± 0.4517
338
336
334
332
330
328
326
324
322
320
318
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

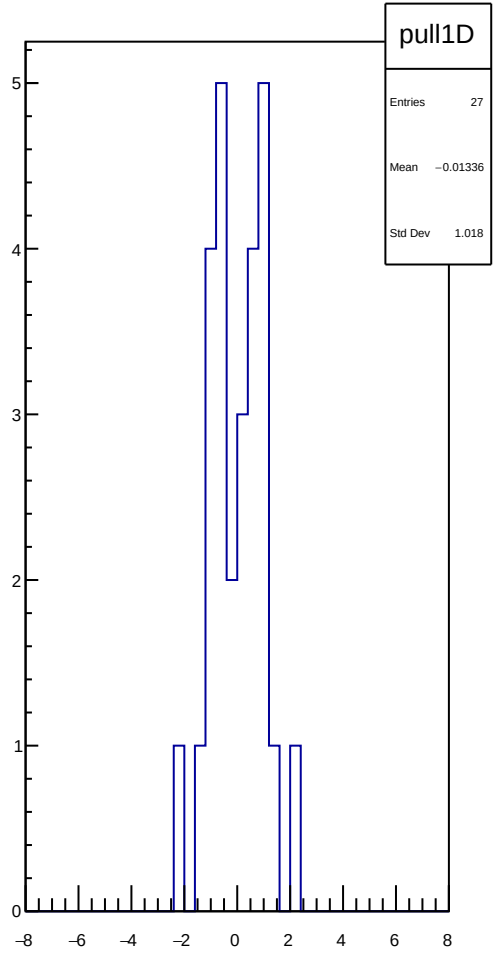

asym_dsr_mean vs run
χ^2 / ndf 33.96 / 26
p0 −1140 ± 752.1
10000
5000
0
−5000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

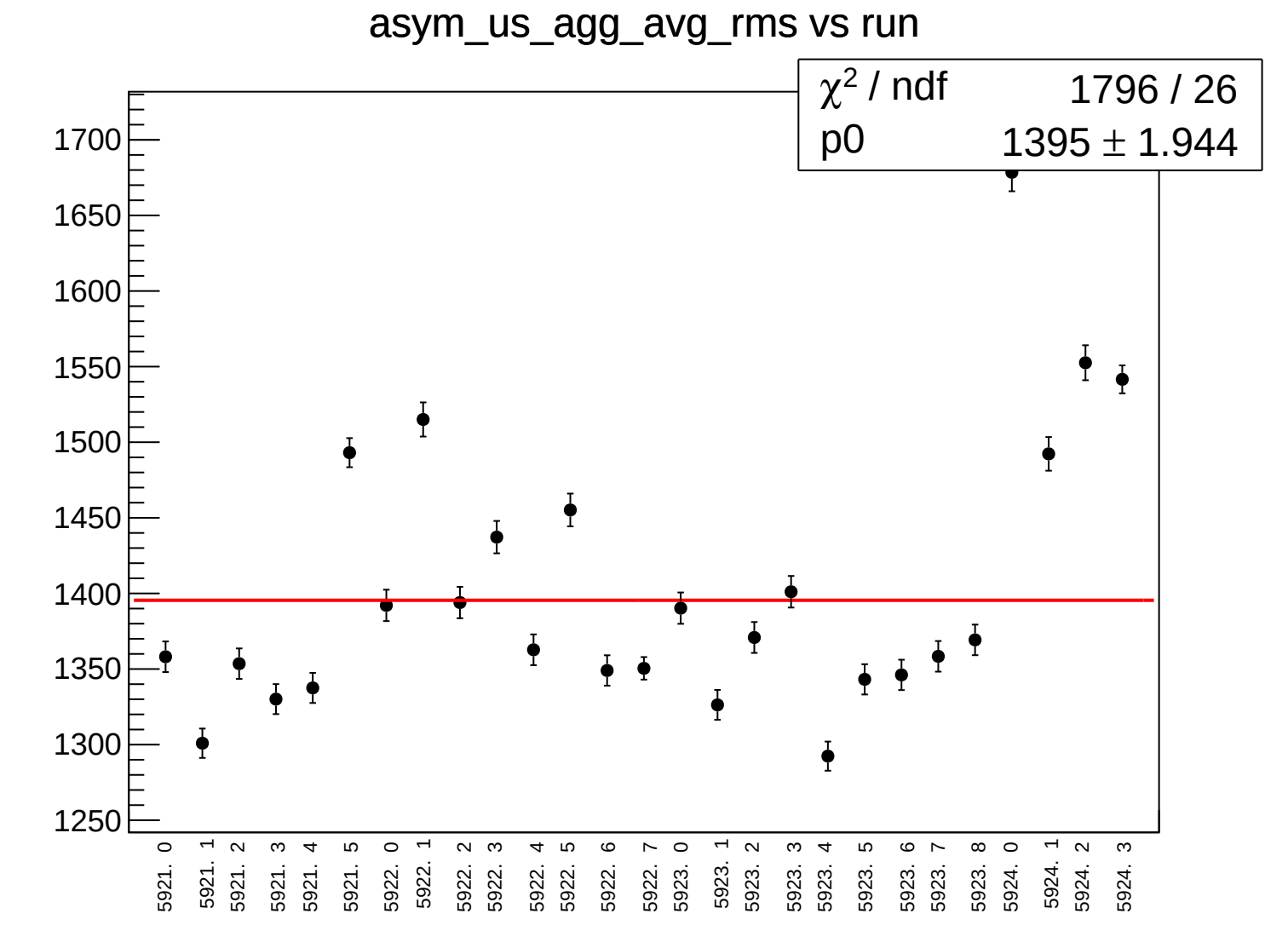

pull
Entries 27
Mean 9.545
Std Dev 17.74
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

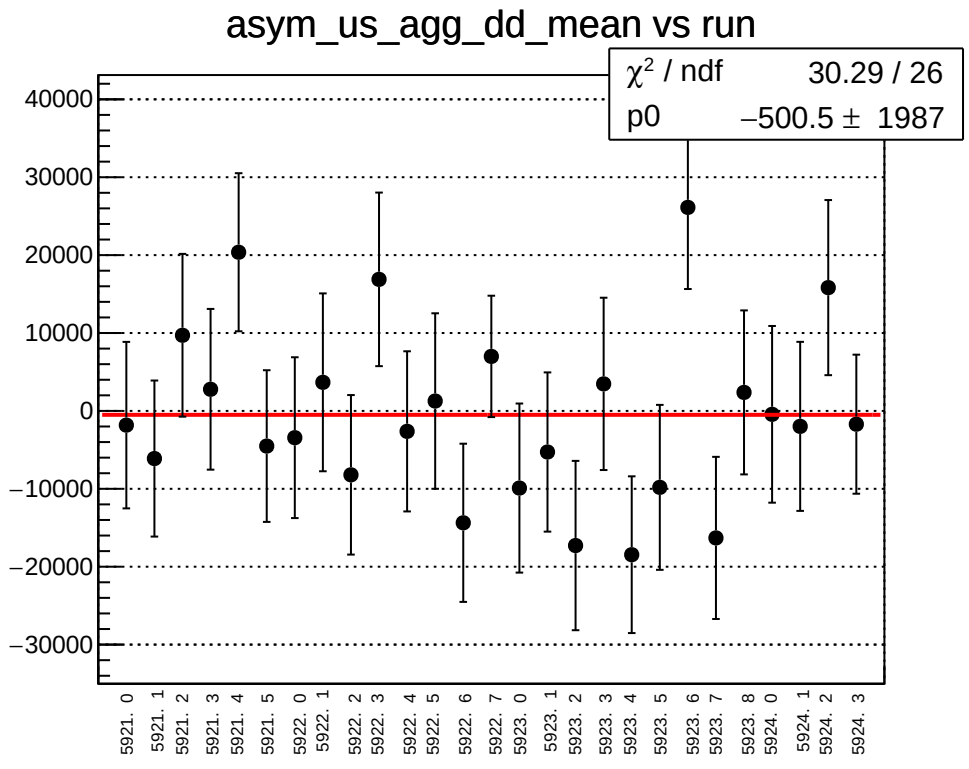

pull1D
Entries 27
Mean 0.02608
Std Dev 1.121
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

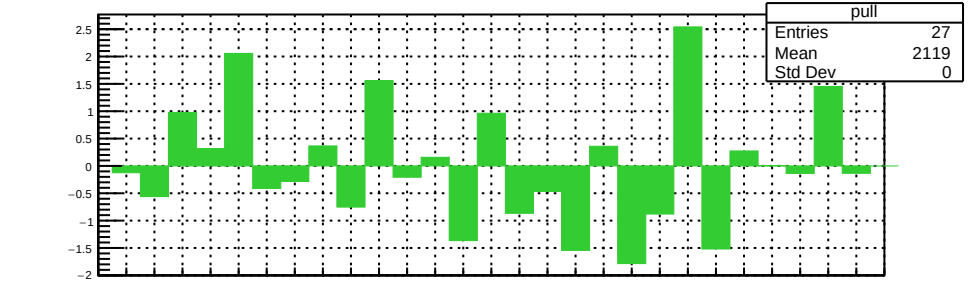

asym_dsr_rms vs run
χ² / ndf 65.66 / 26
p0 382.4 ± 0.5318
395
390
385
380
375
370
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

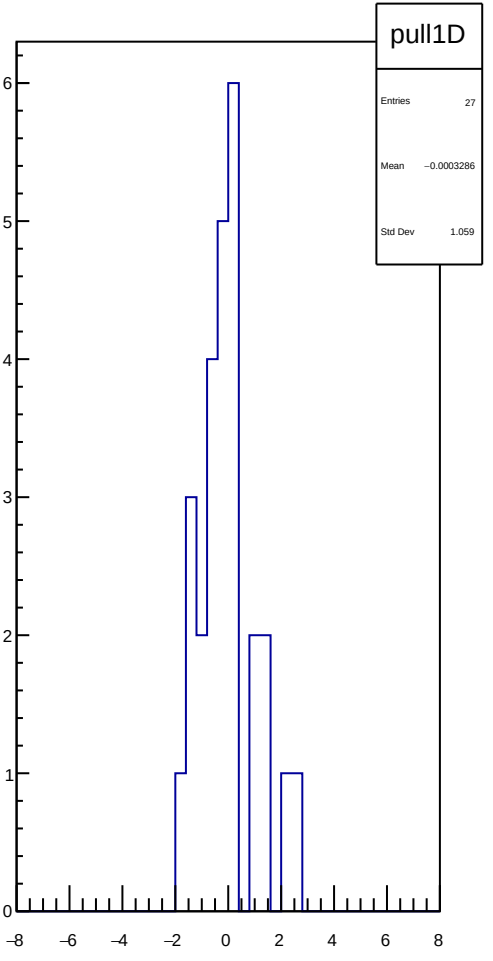

asym_us_agg_avg_mean vs run
χ² / ndf 27.96 / 26
p0 −3075 ± 2749
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −27.04
Std Dev 0
2
1
0
−1
−2

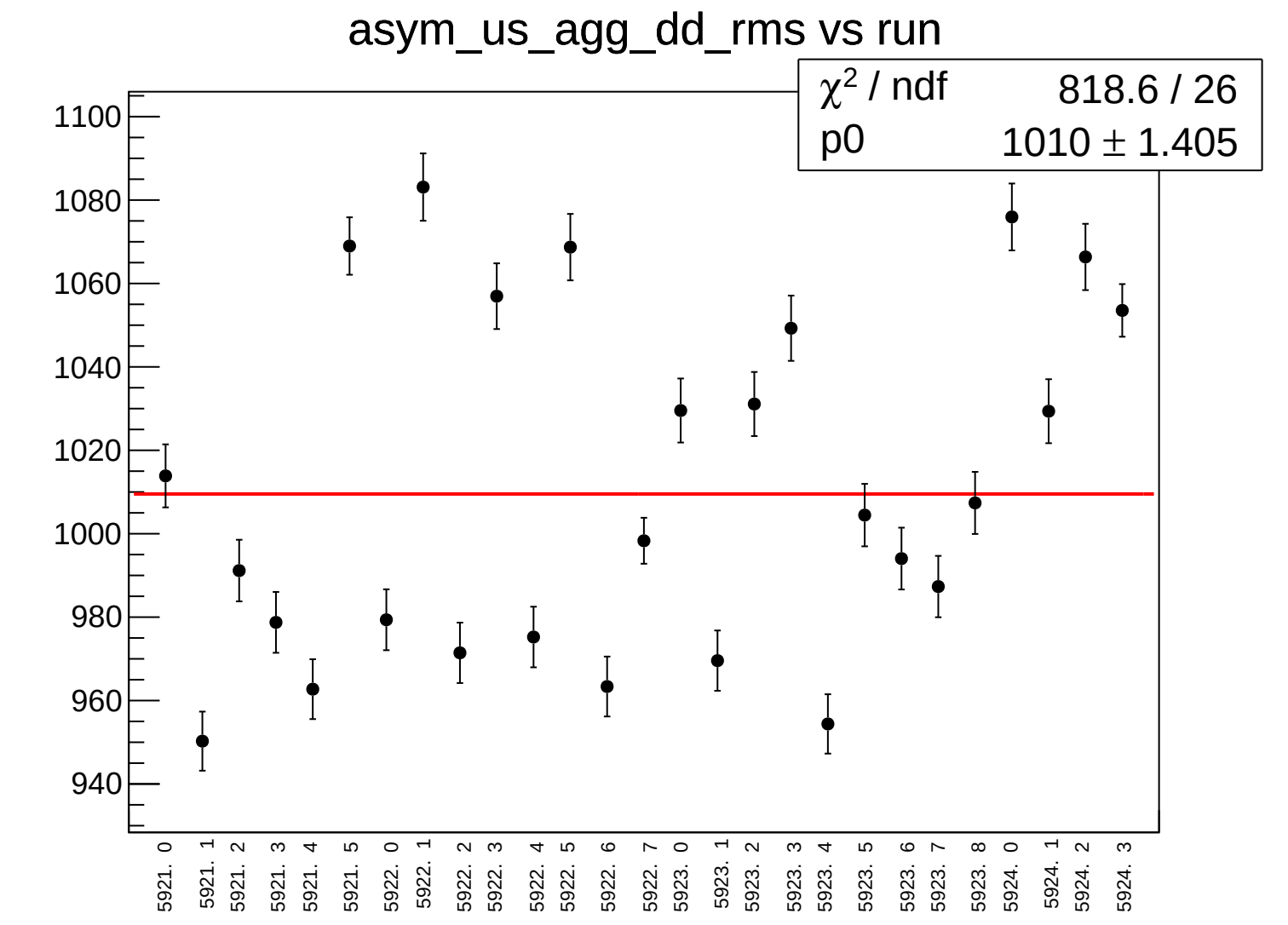

pull1D
Entries 27
Mean −0.01336
Std Dev 1.018
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

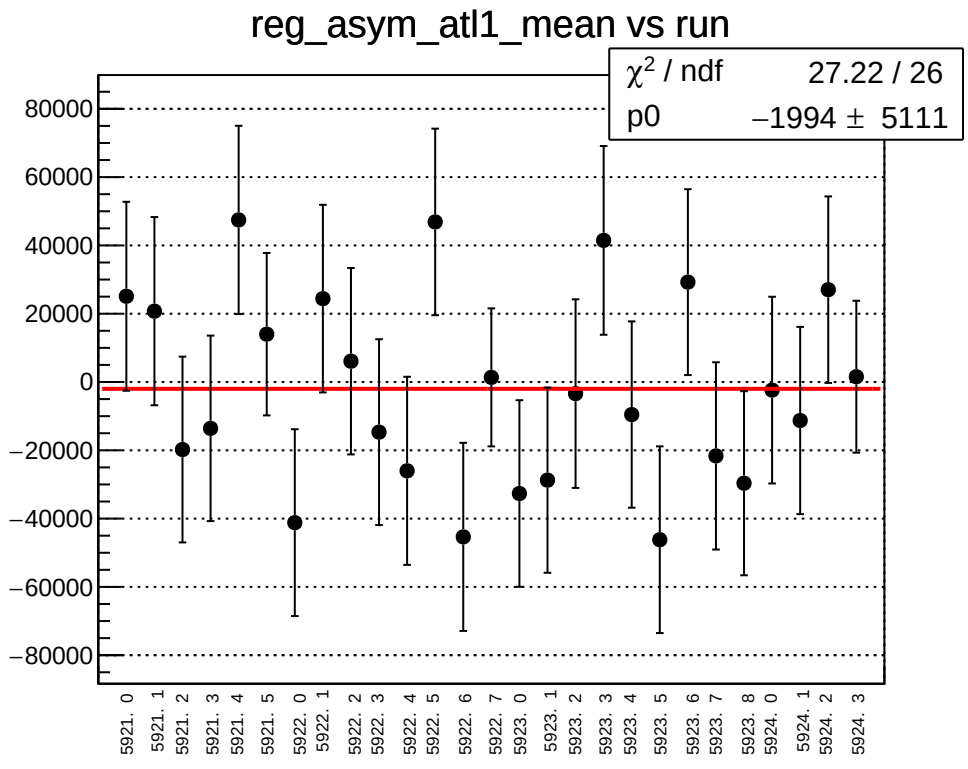

asym_us_agg_avg_rms vs run
χ² / ndf 1796 / 26
p0 1395 ± 1.944
1700
1650
1600
1550
1500
1450
1400
1350
1300
1250
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

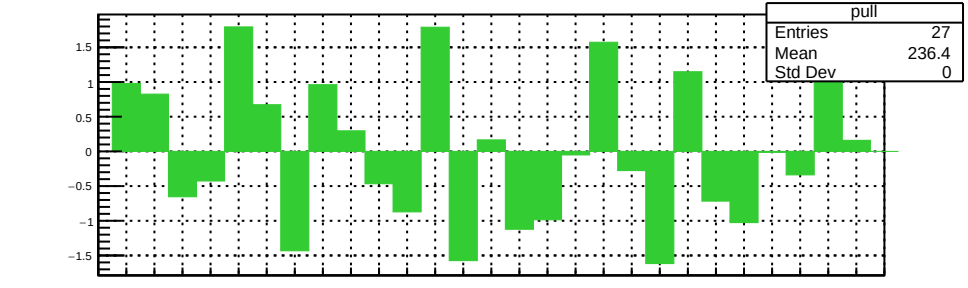

asym_us_agg_dd_mean vs run
χ² / ndf 30.29 / 26
p0 −500.5 ± 1987
40000
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

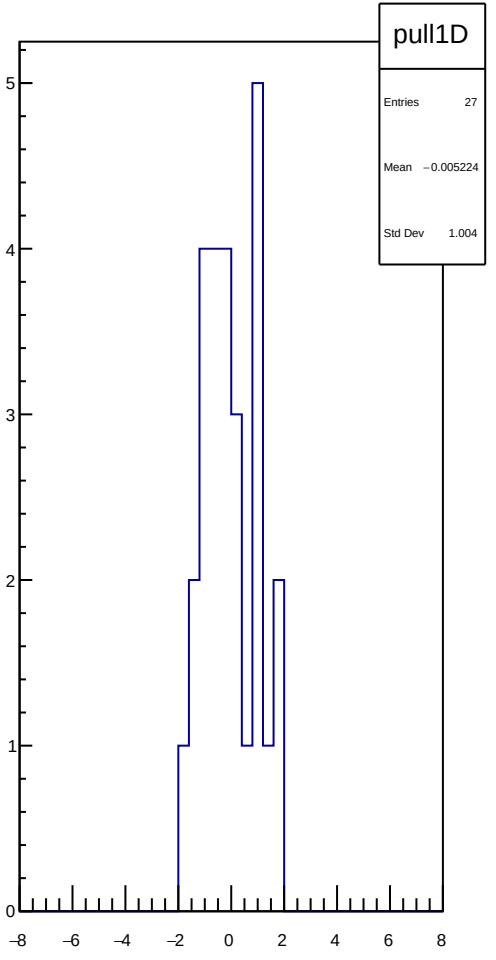

pull
Entries 27
Mean 2119
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

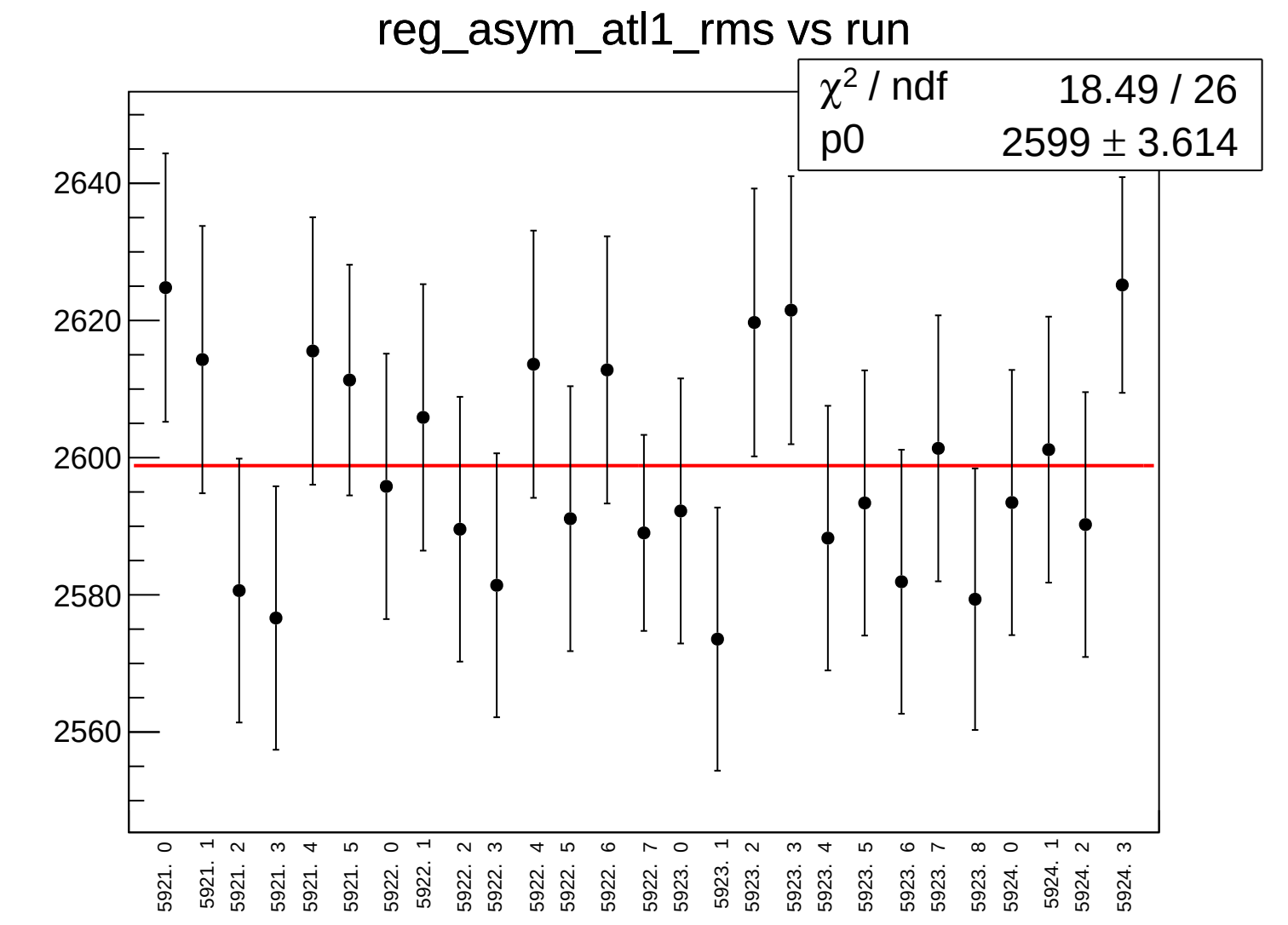

pull1D
Entries 27
Mean −0.0003286
Std Dev 1.059
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

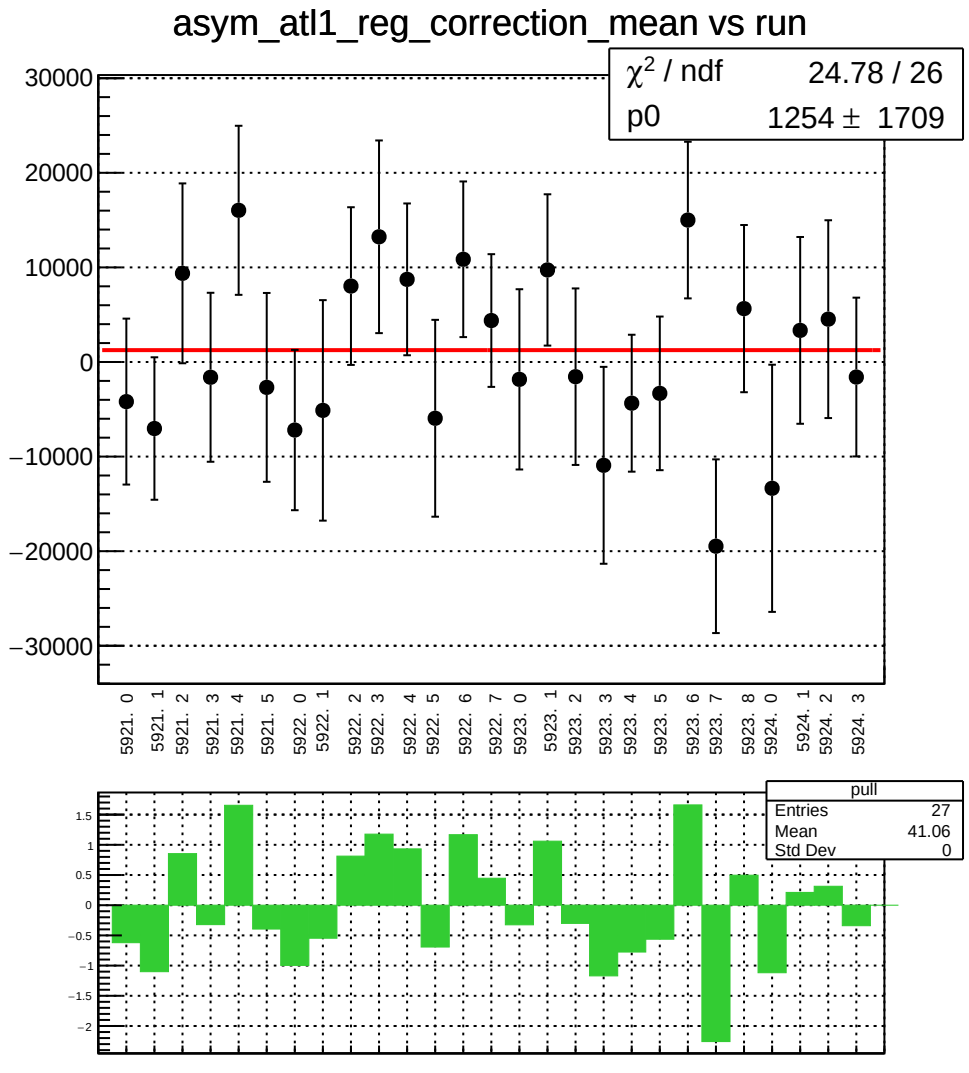

asym_us_agg_dd_rms vs run
χ² / ndf 818.6 / 26
p0 1010 ± 1.405
1100
1080
1060
1040
1020
1000
980
960
940
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

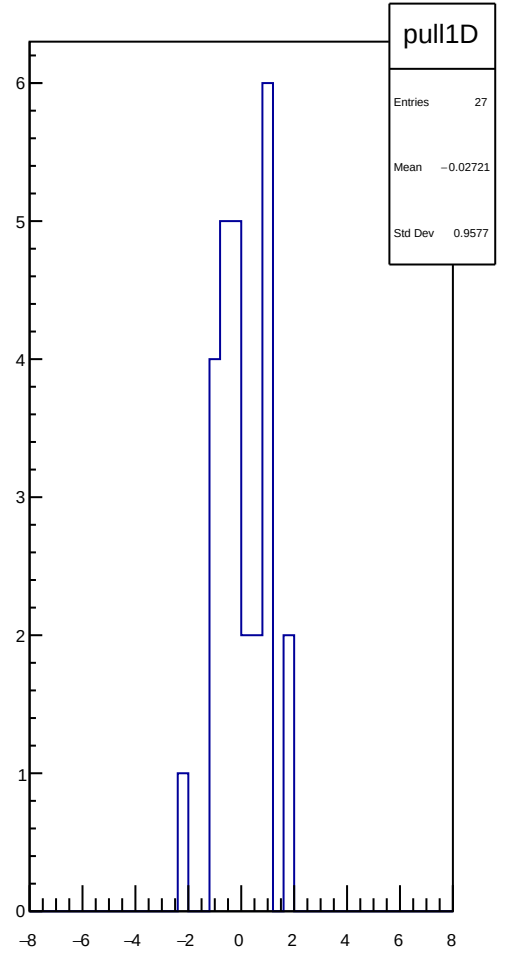

reg_asym_atl1_mean vs run
χ² / ndf 27.22 / 26
p0 −1994 ± 5111
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

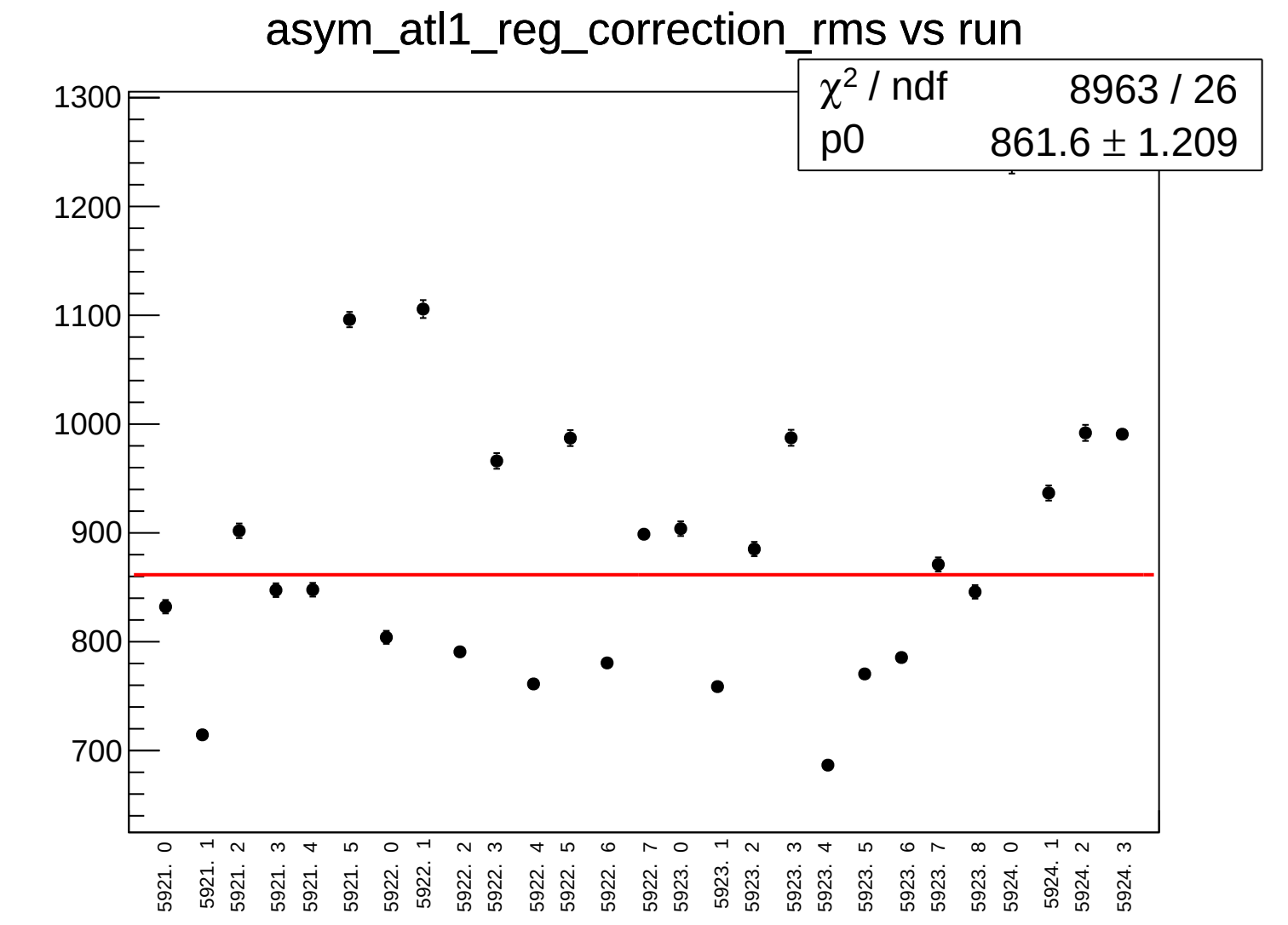

pull
Entries 27
Mean 236.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

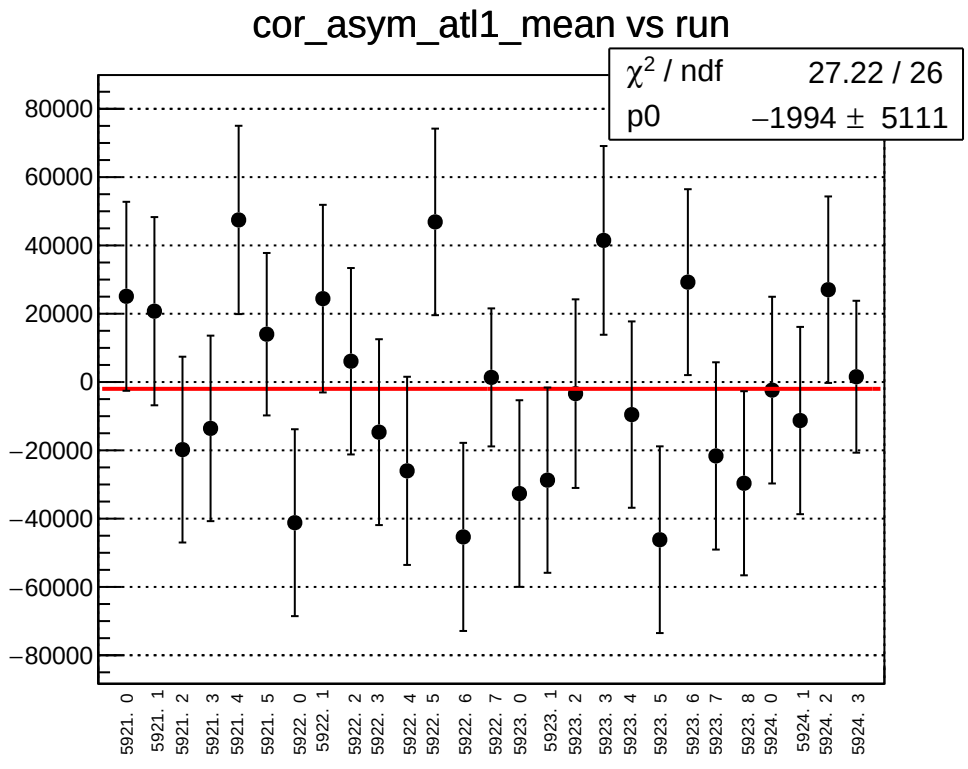

pull1D
Entries 27
Mean −0.005224
Std Dev 1.004
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atl1_rms vs run
χ² / ndf 18.49 / 26
p0 2599 ± 3.614
2640
2620
2600
2580
2560
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


asym_atl1_reg_correction_mean vs run
χ² / ndf 24.78 / 26
p0 1254 ± 1709
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 41.06
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 27
Mean −0.02721
Std Dev 0.9577
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1_reg_correction_rms vs run
χ² / ndf 8963 / 26
p0 861.6 ± 1.209
1300
1200
1100
1000
900
800
700
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


cor_asym_atl1_mean vs run
χ² / ndf 27.22 / 26
p0 −1994 ± 5111
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
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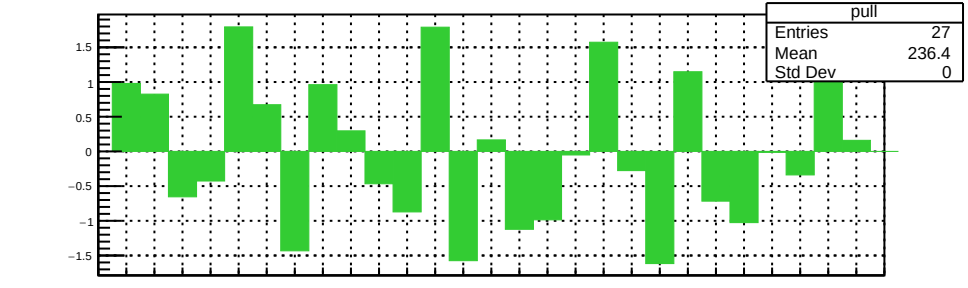
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


pull
Entries 27
Mean 236.4
Std Dev 0
1.5
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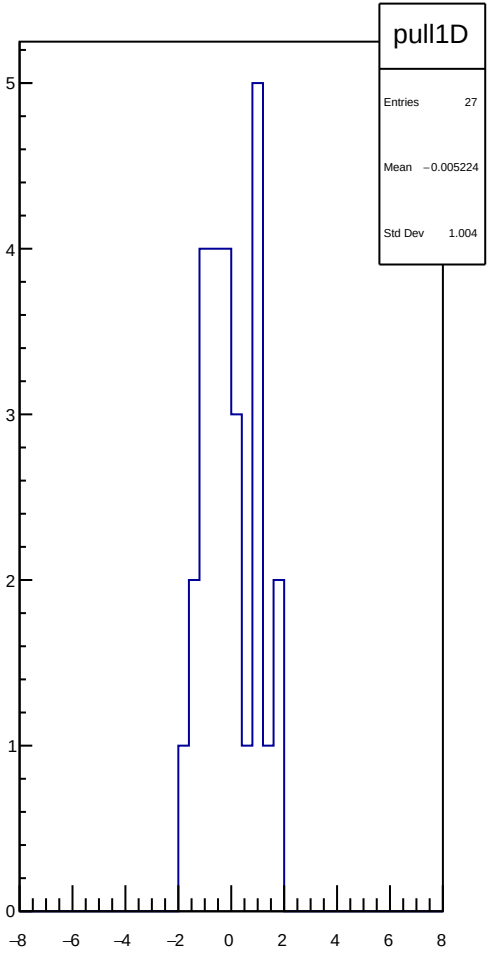
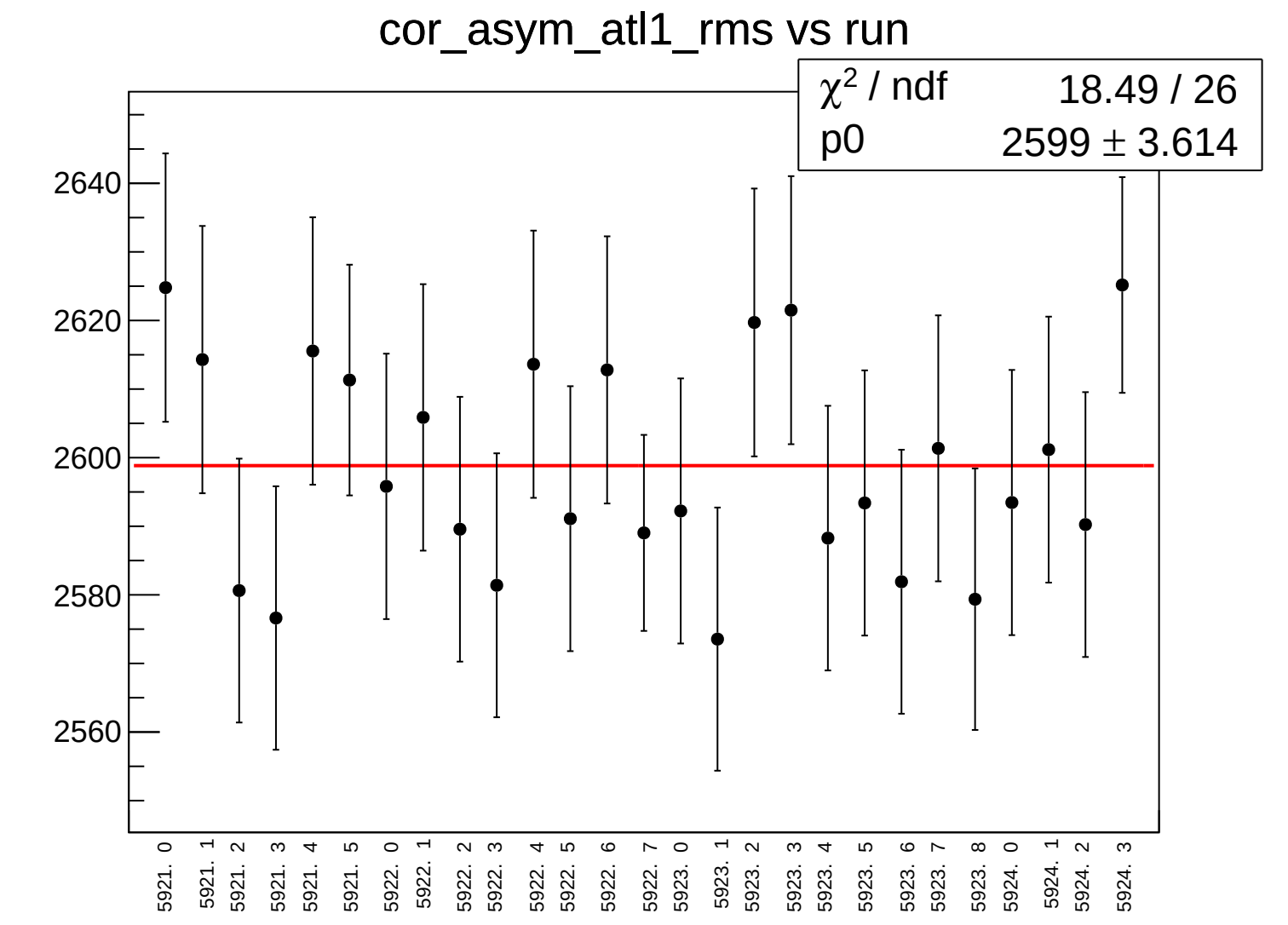
0.5
0
−0.5
−1
−1.5


pull1D
Entries 27
Mean −0.005224
Std Dev 1.004
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_atl1_rms vs run
χ² / ndf 18.49 / 26
p0 2599 ± 3.614
2640
2620
2600
2580
2560
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
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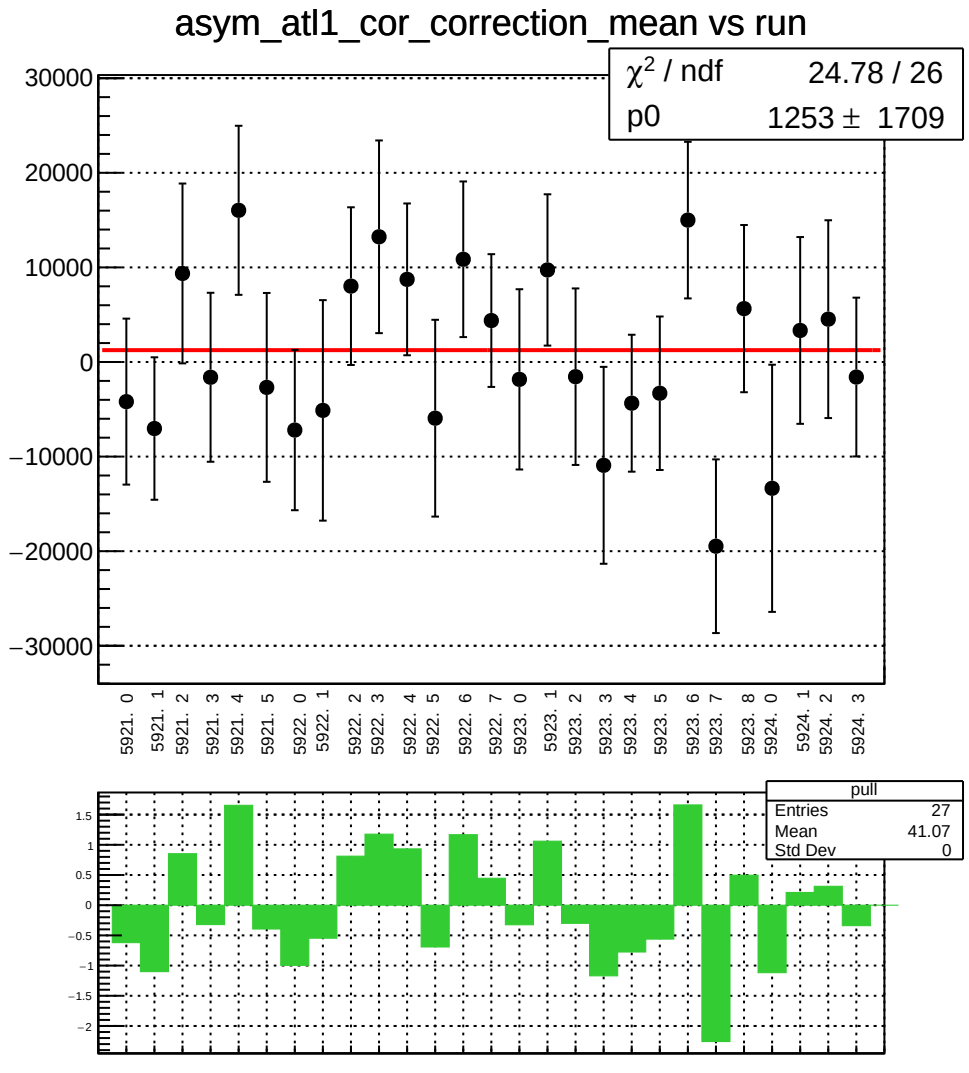
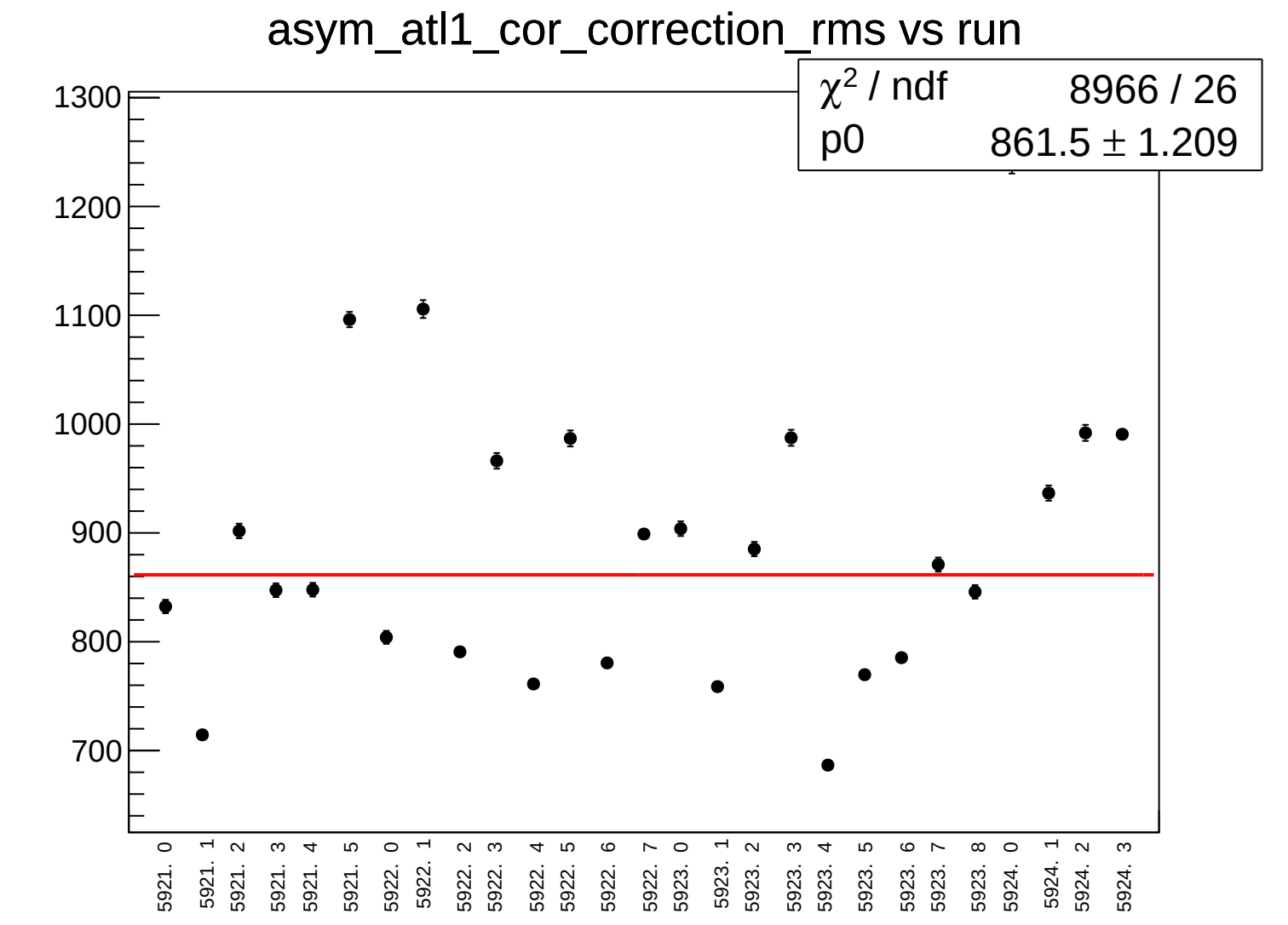
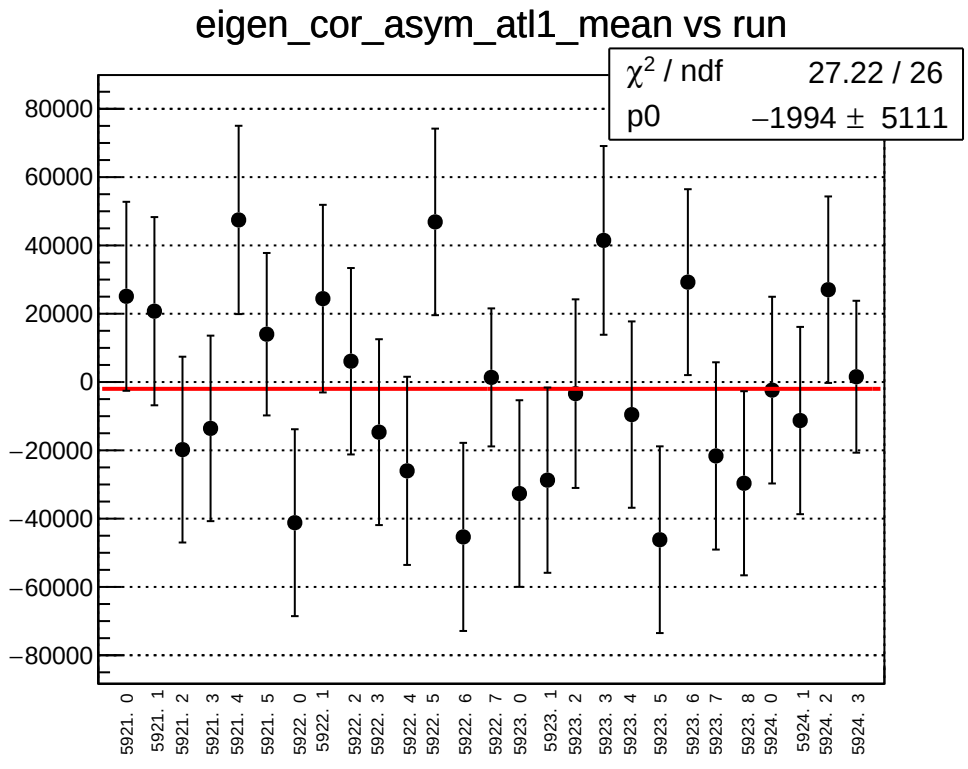
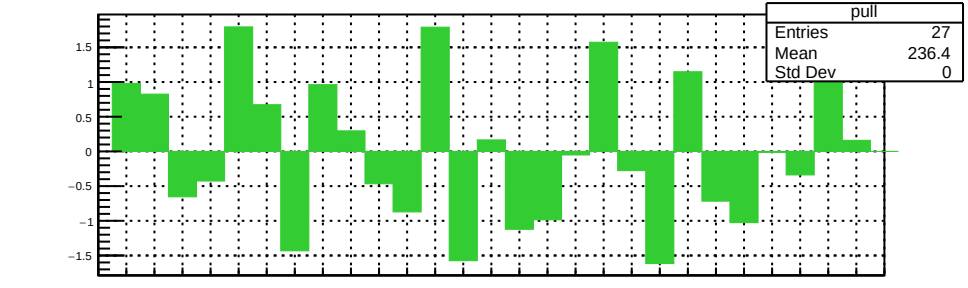
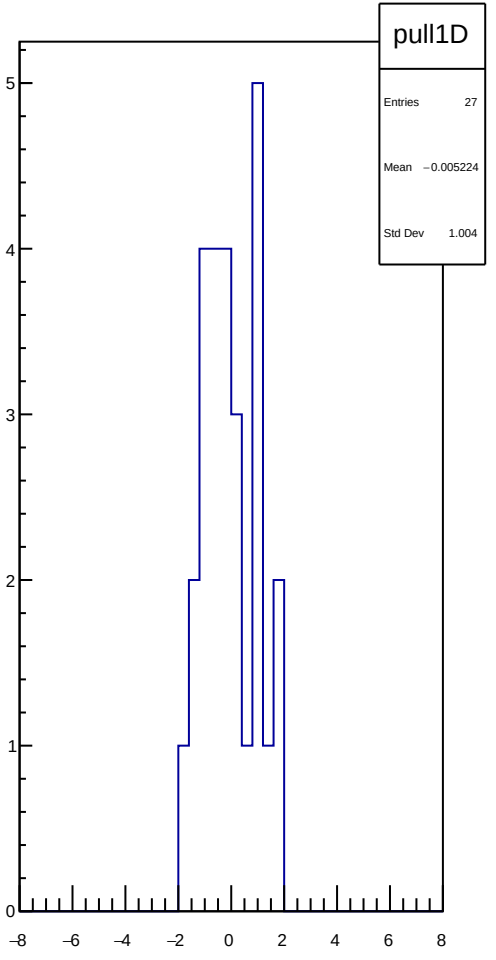
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

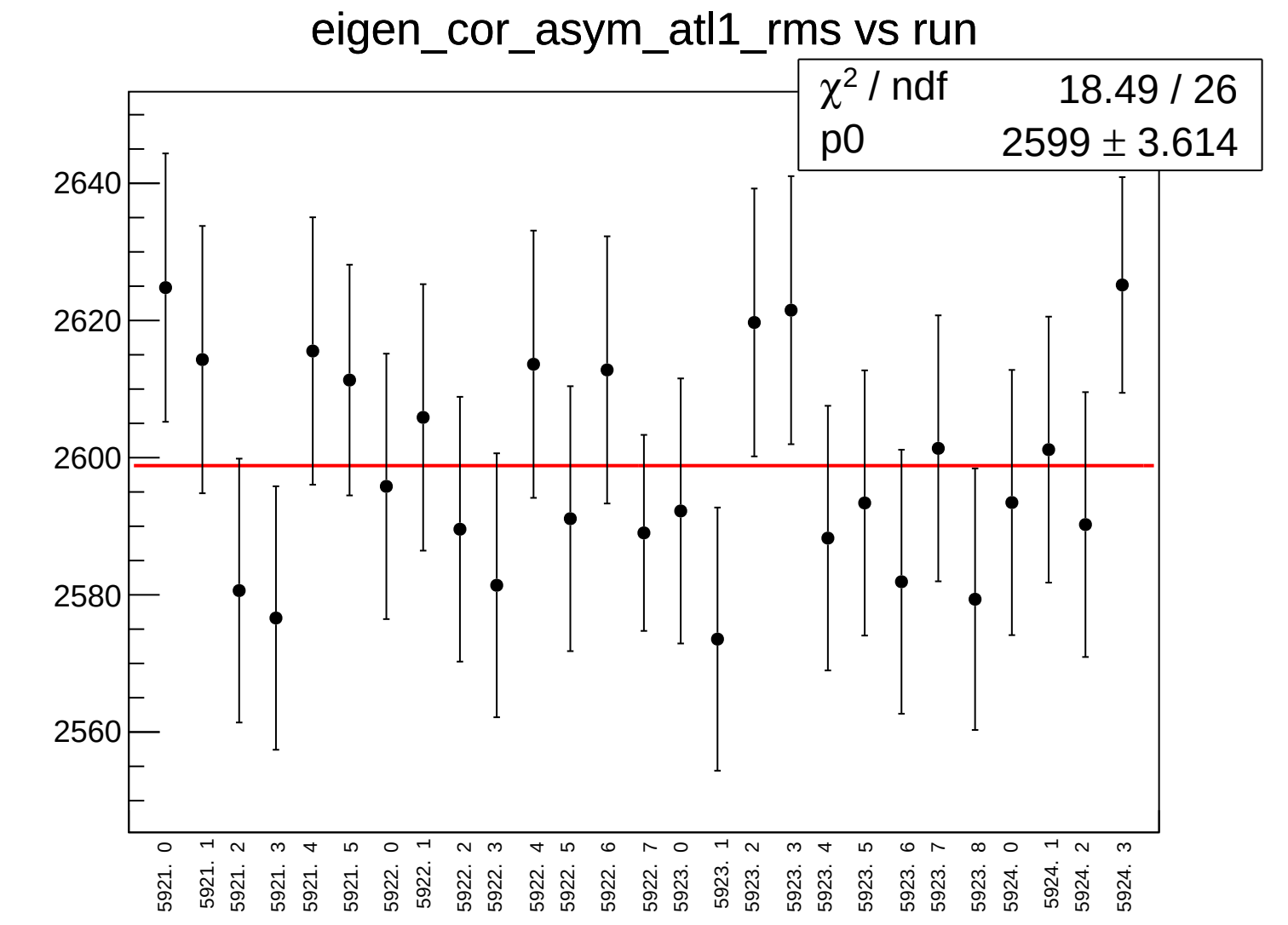

asym_atl1_cor_correction_mean vs run
χ² / ndf 24.78 / 26
p0 1253 ± 1709
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 41.07
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.02719
Std Dev 0.9576
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

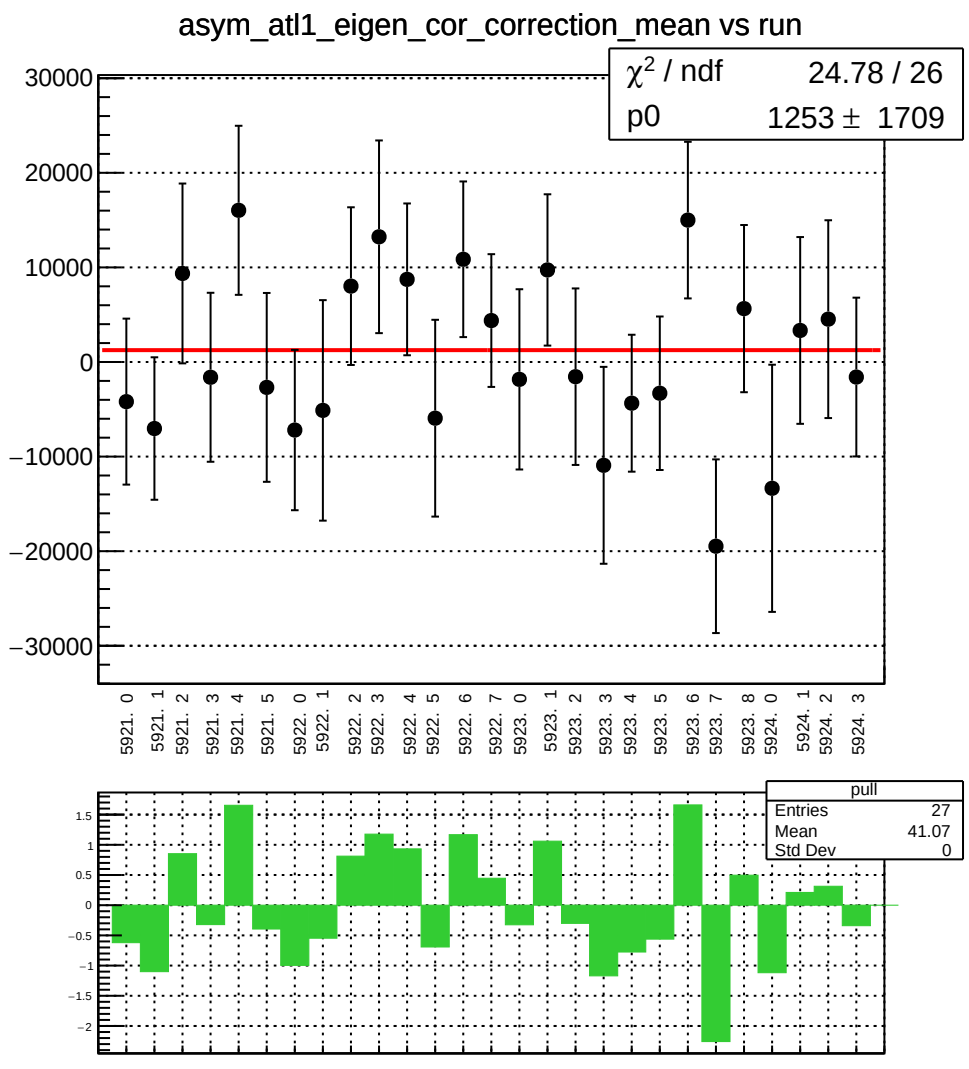

asym_atl1_cor_correction_rms vs run
χ² / ndf 8966 / 26
p0 861.5 ± 1.209
1300
1200
1100
1000
900
800
700
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

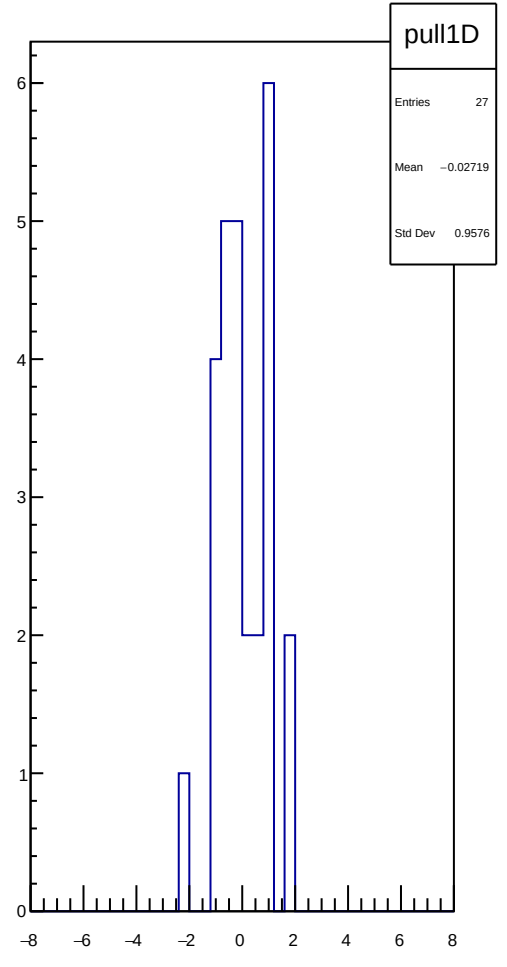

eigen_cor_asym_atl1_mean vs run
χ² / ndf 27.22 / 26
p0 −1994 ± 5111
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

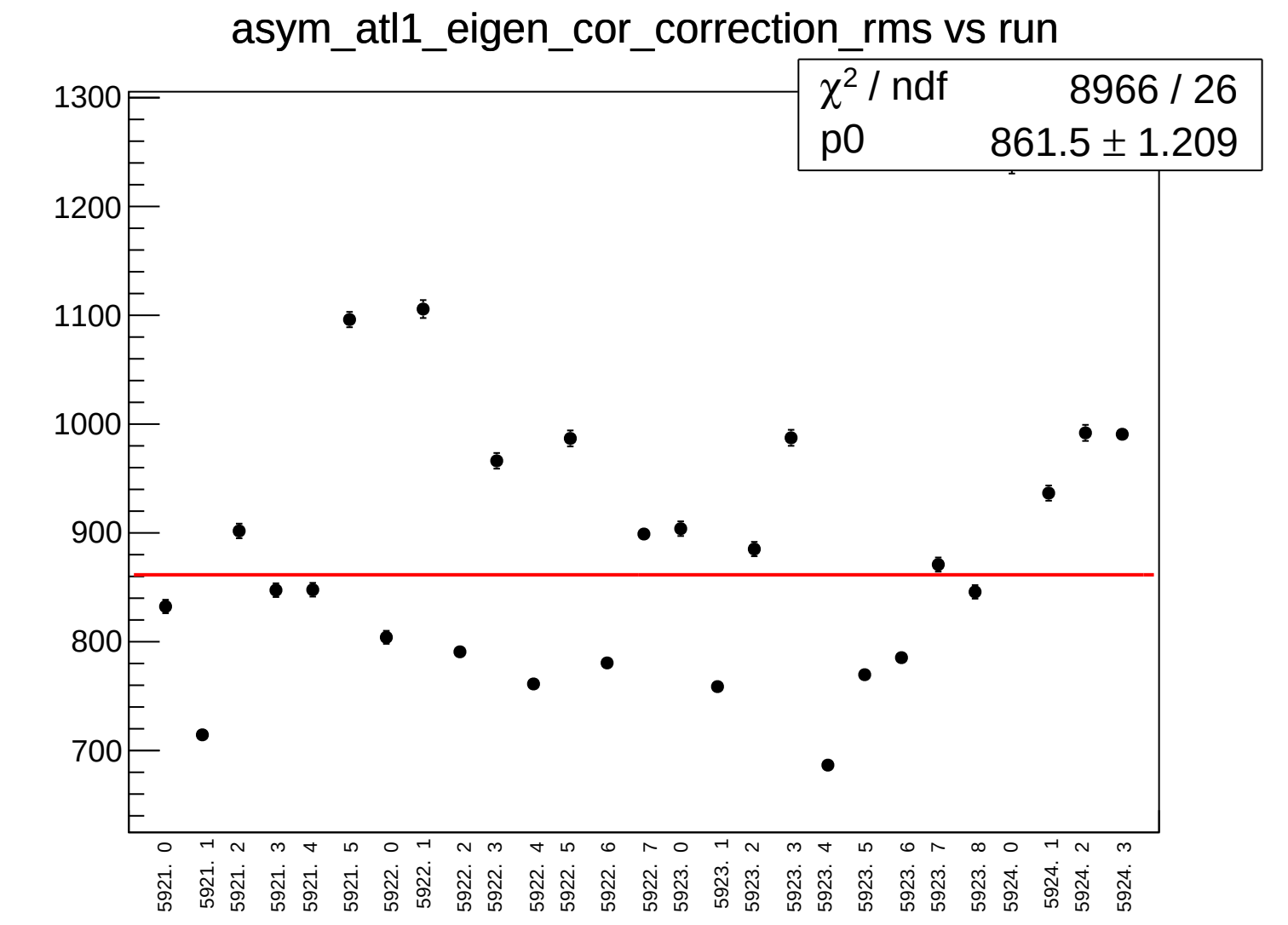

pull
Entries 27
Mean 236.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 27
Mean −0.005224
Std Dev 1.004
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_atl1_rms vs run
χ² / ndf 18.49 / 26
p0 2599 ± 3.614
2640
2620
2600
2580
2560
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


asym_atl1_eigen_cor_correction_mean vs run
χ² / ndf 24.78 / 26
p0 1253 ± 1709
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 41.07
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 27
Mean −0.02719
Std Dev 0.9576
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1_eigen_cor_correction_rms vs run
χ² / ndf 8966 / 26
p0 861.5 ± 1.209
1300
1200
1100
1000
900
800
700
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
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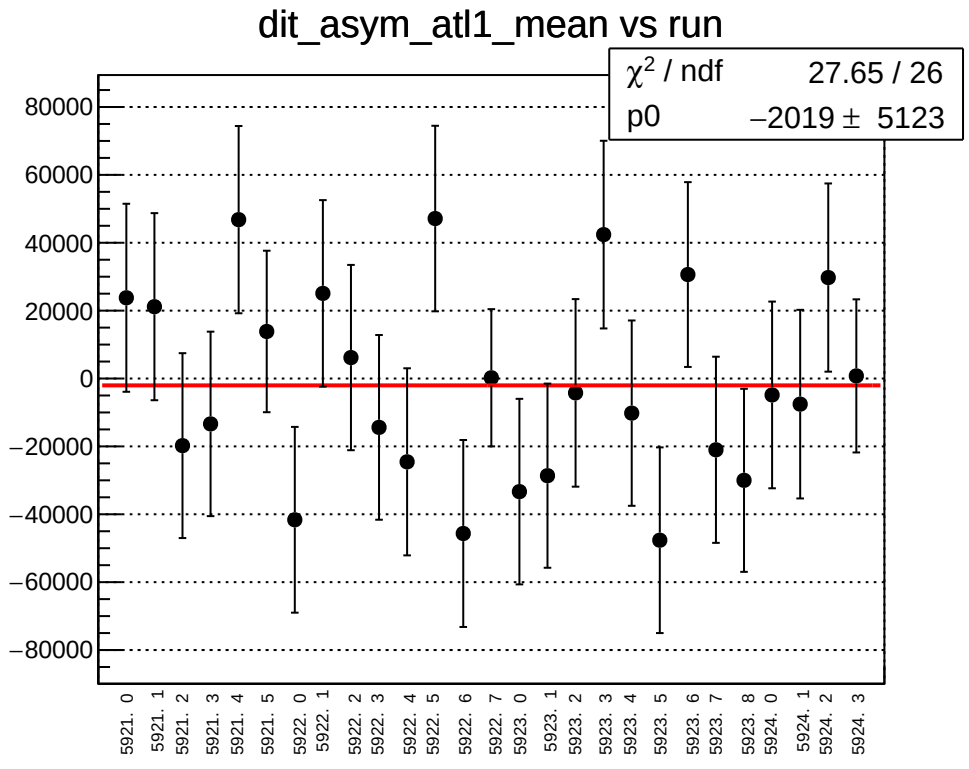
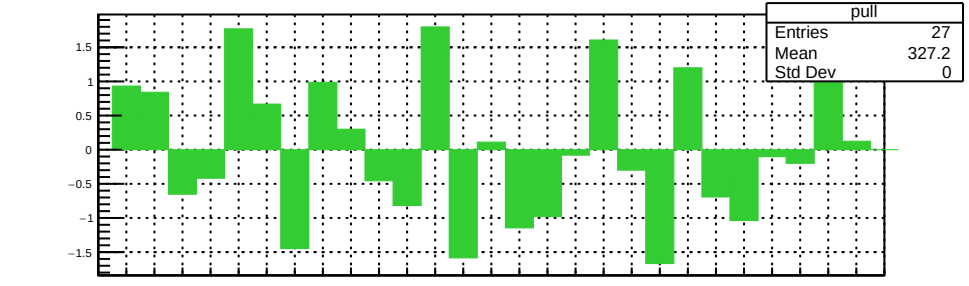
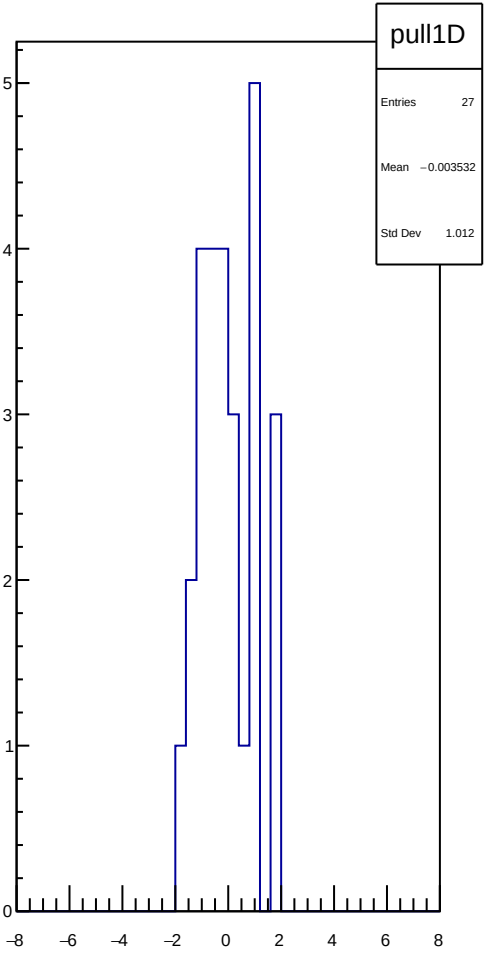
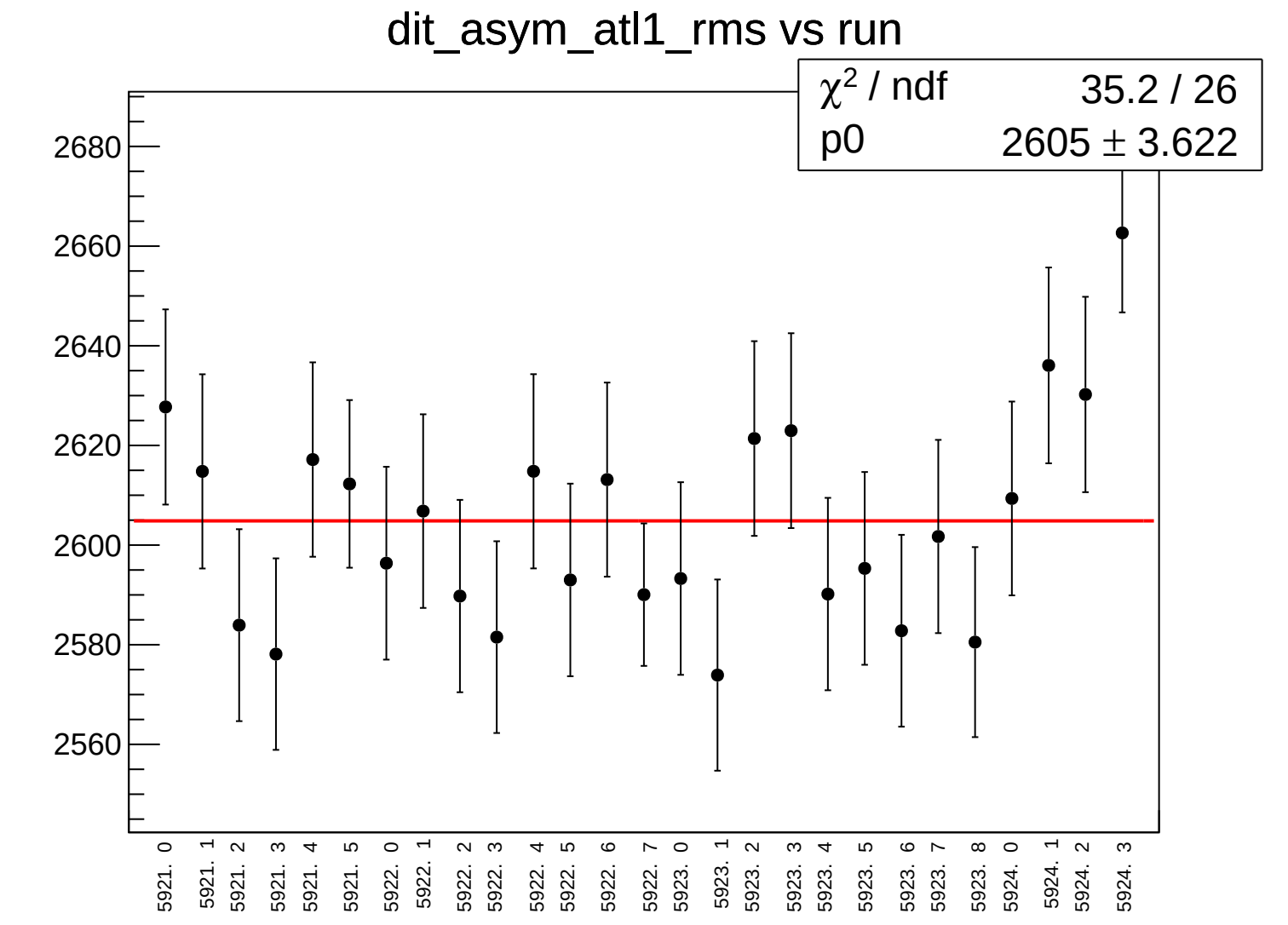
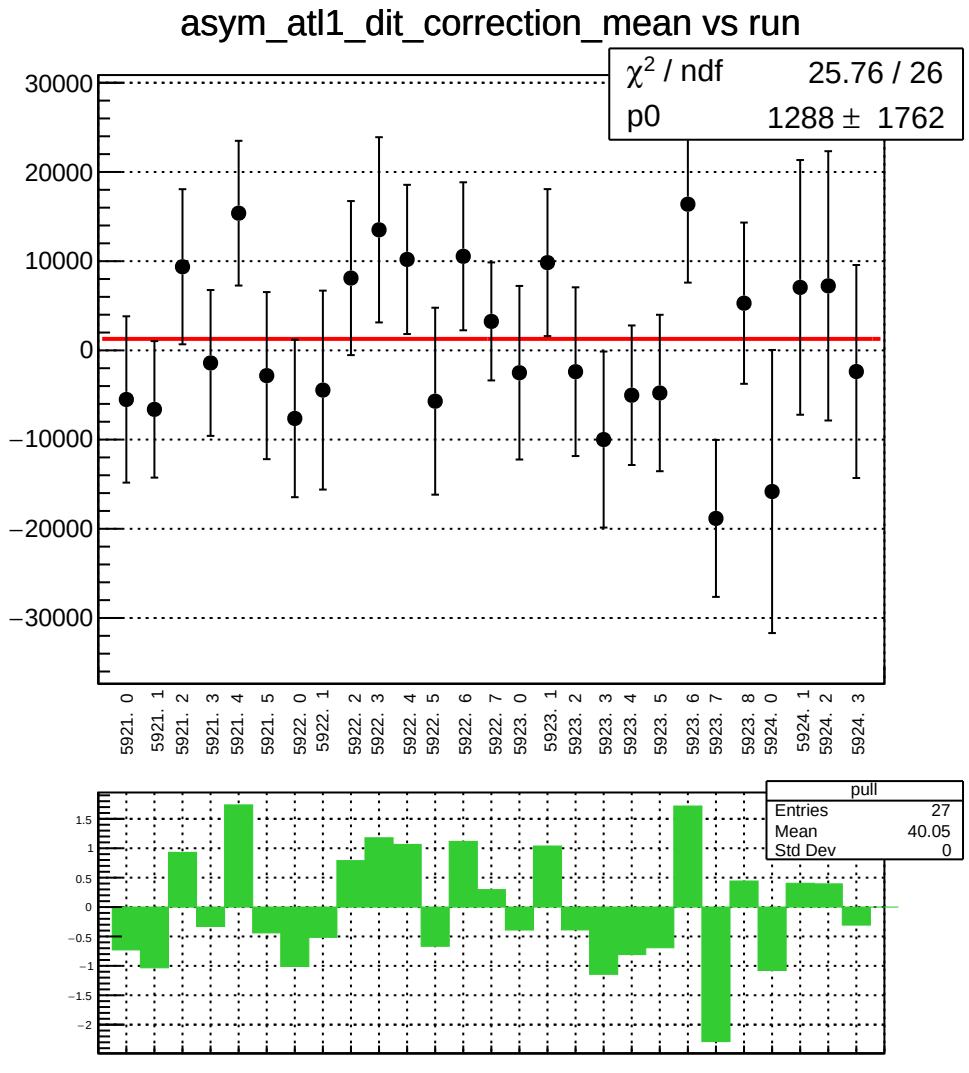
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

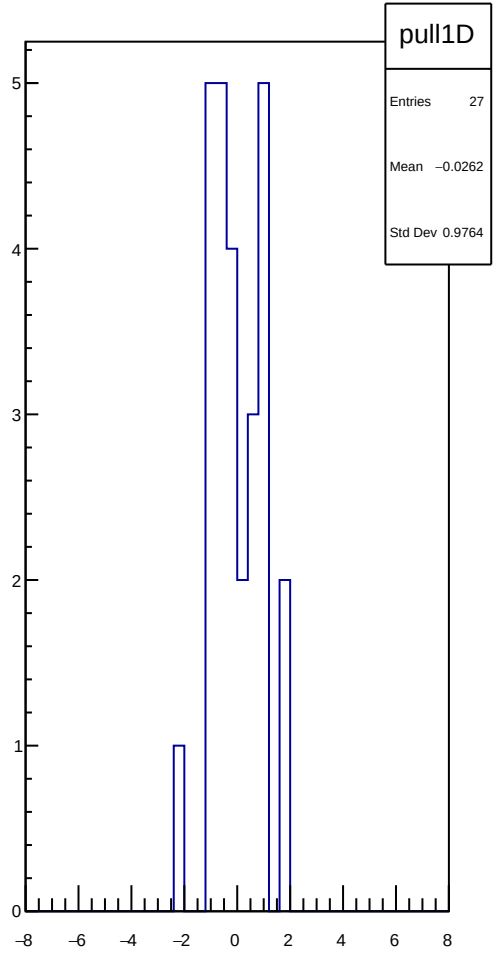

dit_asym_atl1_mean vs run
χ² / ndf 27.65 / 26
p0 −2019 ± 5123
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

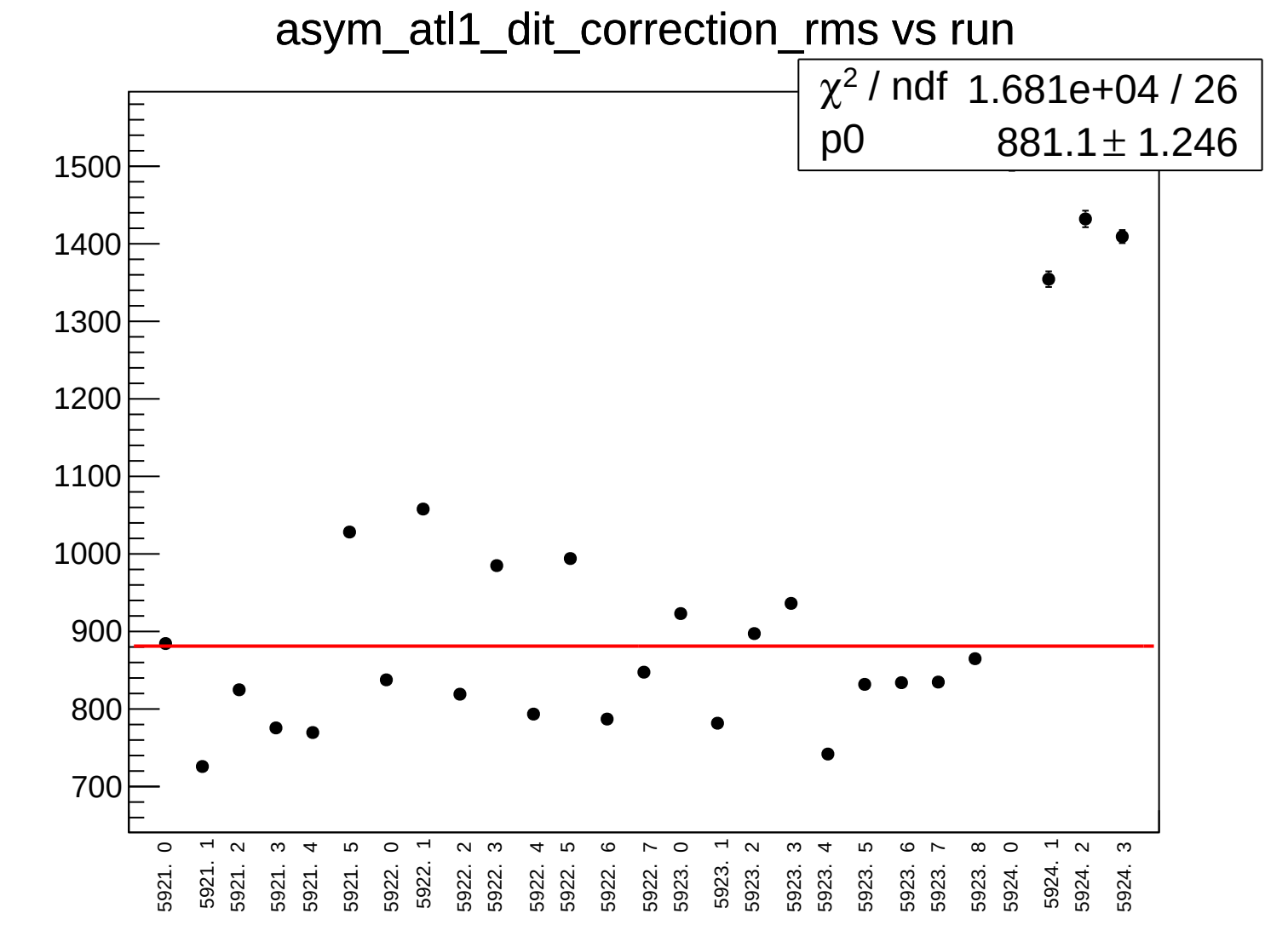

pull
Entries 27
Mean 327.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 27
Mean −0.003532
Std Dev 1.012
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_atl1_rms vs run
χ² / ndf 35.2 / 26
p0 2605 ± 3.622
2680
2660
2640
2620
2600
2580
2560
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


asym_atl1_dit_correction_mean vs run
χ² / ndf 25.76 / 26
p0 1288 ± 1762
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 40.05
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 27
Mean −0.0262
Std Dev 0.9764
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1_dit_correction_rms vs run
χ² / ndf 1.681e+04 / 26
p0 881.1 ± 1.246
1500
1400
1300
1200
1100
1000
900
800
700
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
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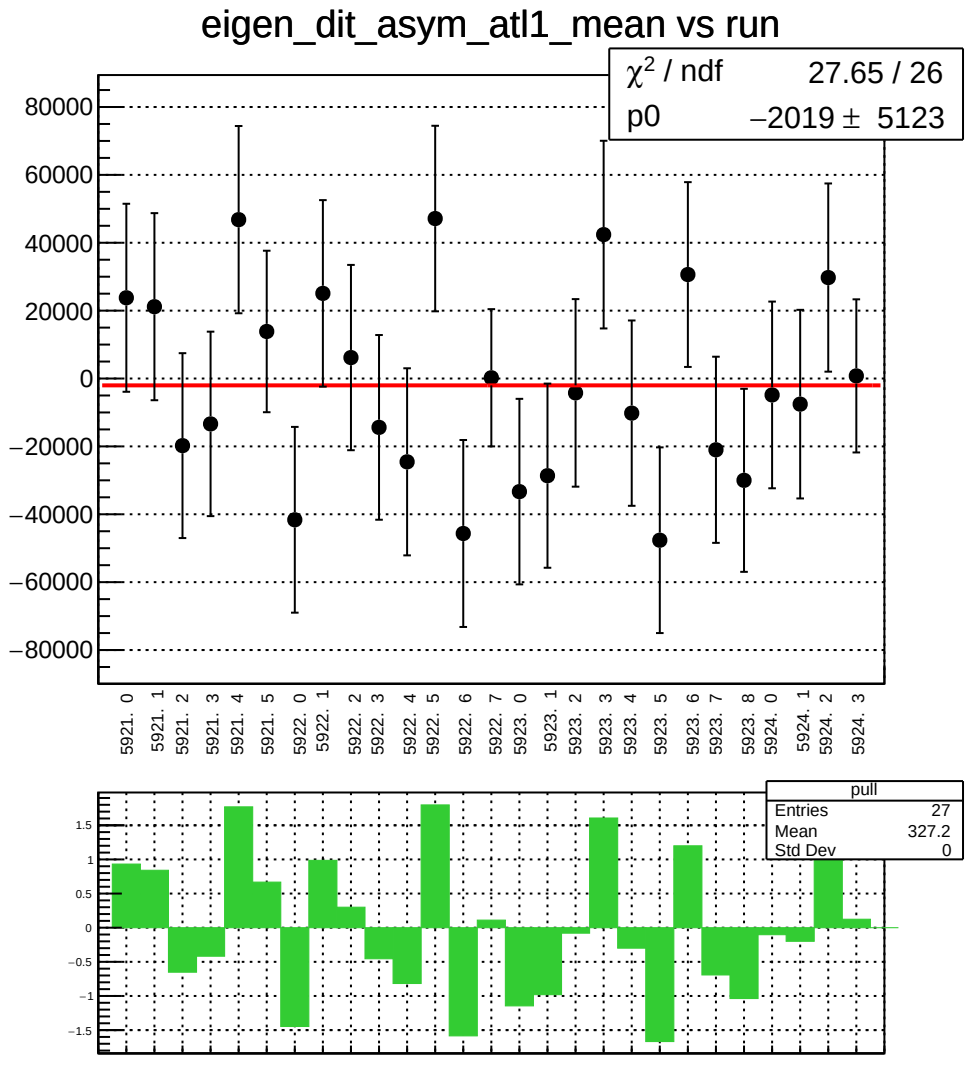
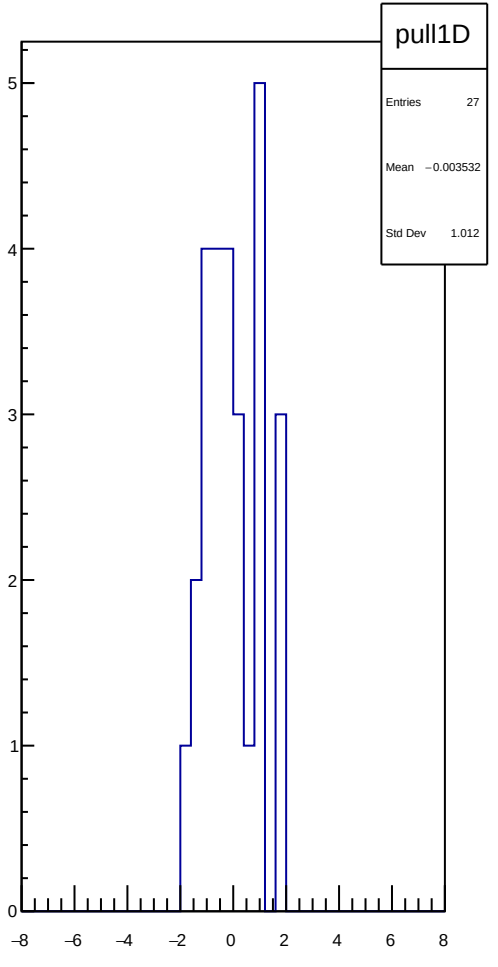
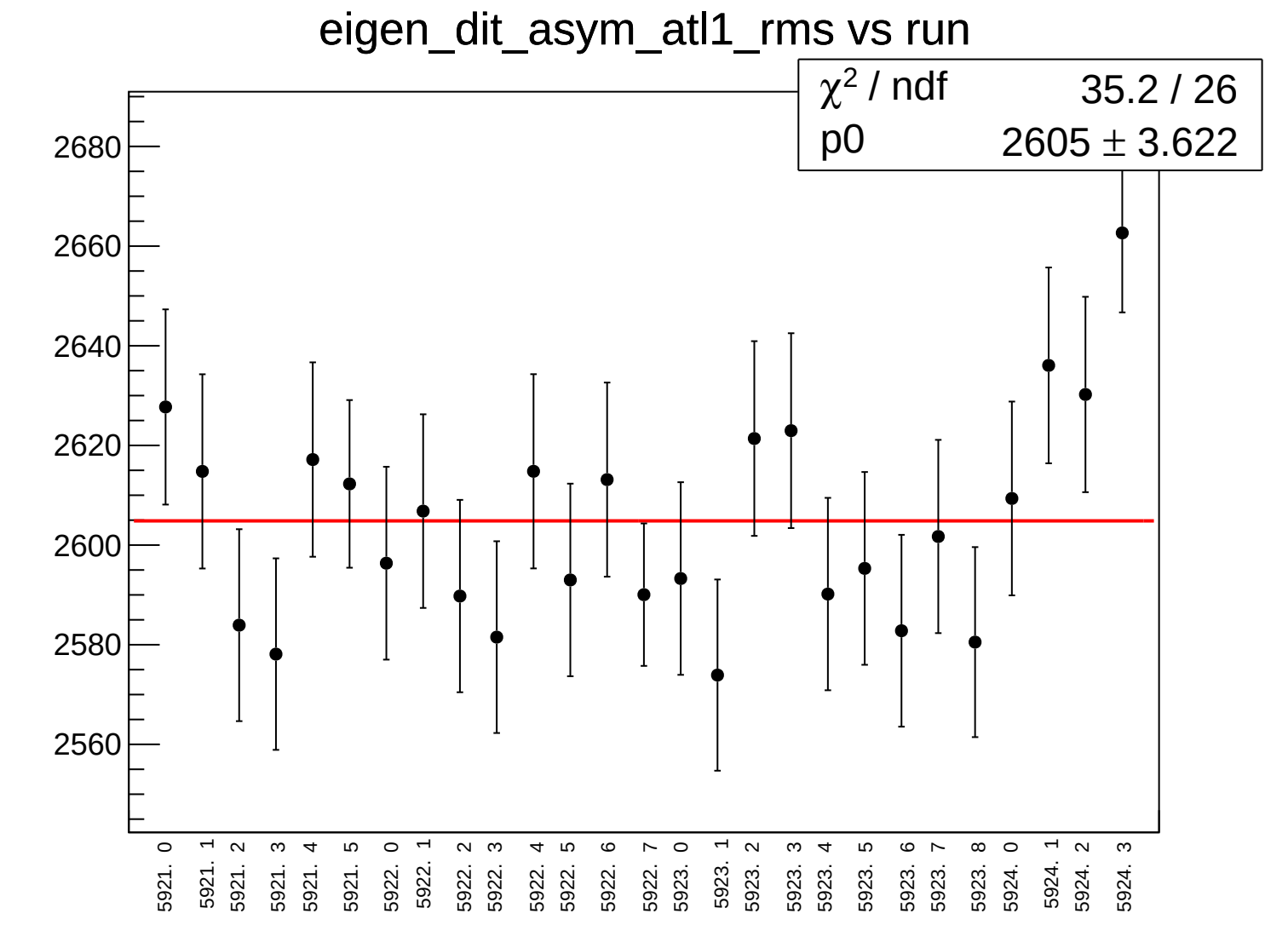
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


eigen_dit_asym_atl1_mean vs run
χ² / ndf 27.65 / 26
p0 −2019 ± 5123
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 327.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 27
Mean −0.003532
Std Dev 1.012
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_atl1_rms vs run
χ² / ndf 35.2 / 26
p0 2605 ± 3.622
2680
2660
2640
2620
2600
2580
2560
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
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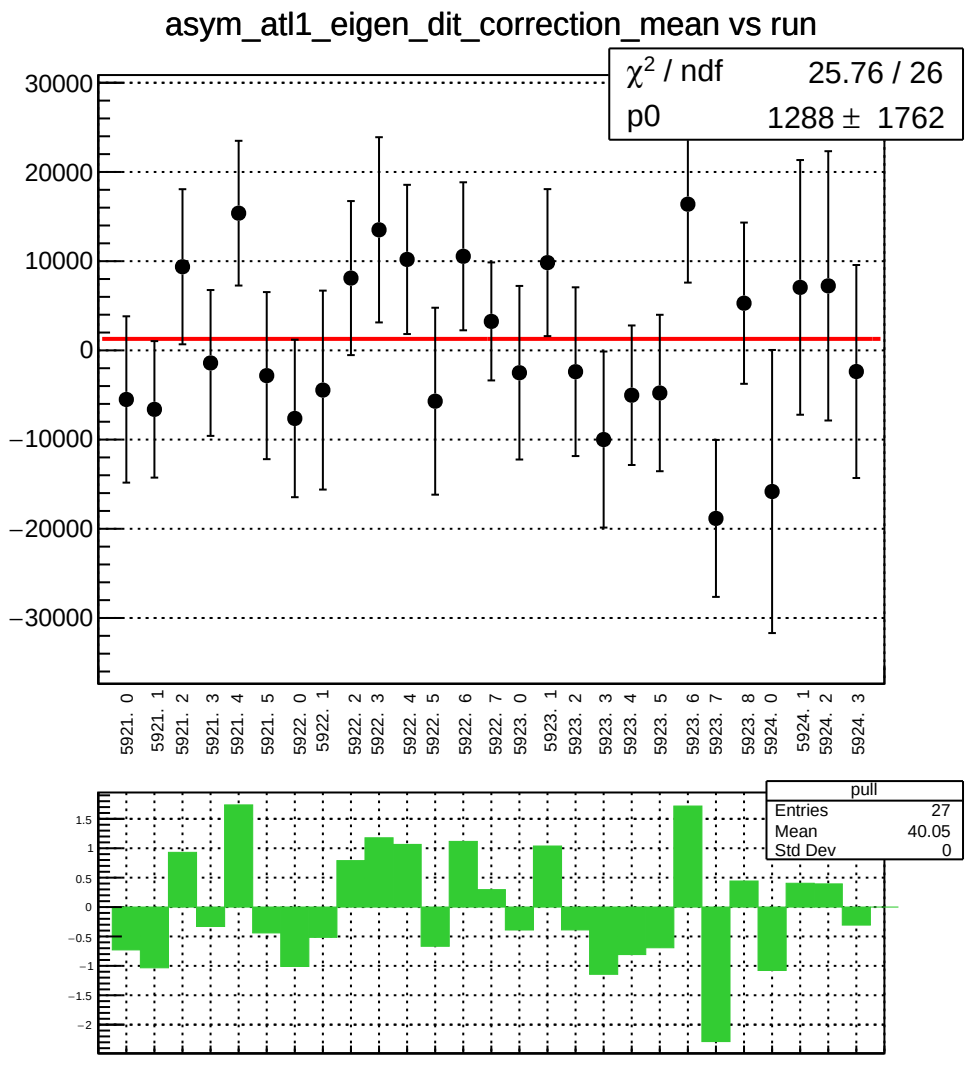
5924. 2
5924. 3


asym_atl1_eigen_dit_correction_mean vs run
χ² / ndf 25.76 / 26
p0 1288 ± 1762
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
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5922. 6
5922. 7
5923. 0
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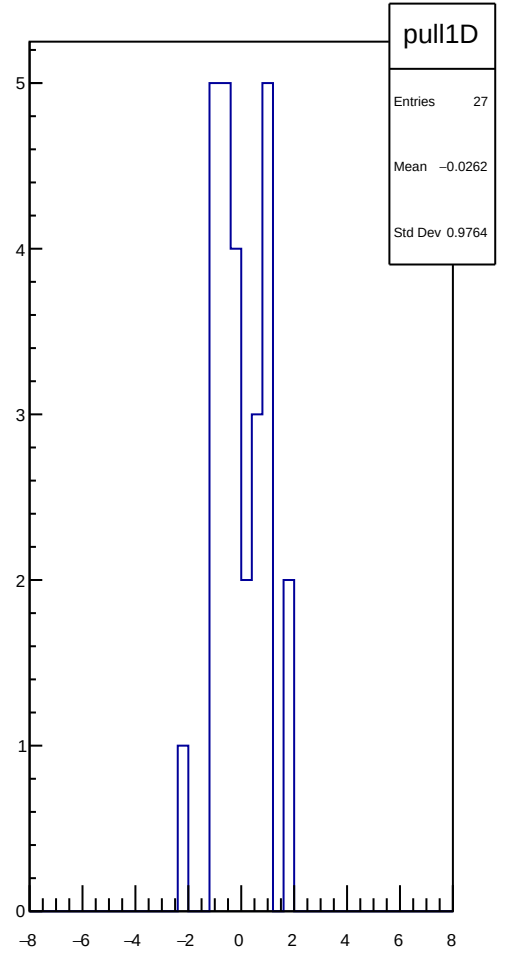
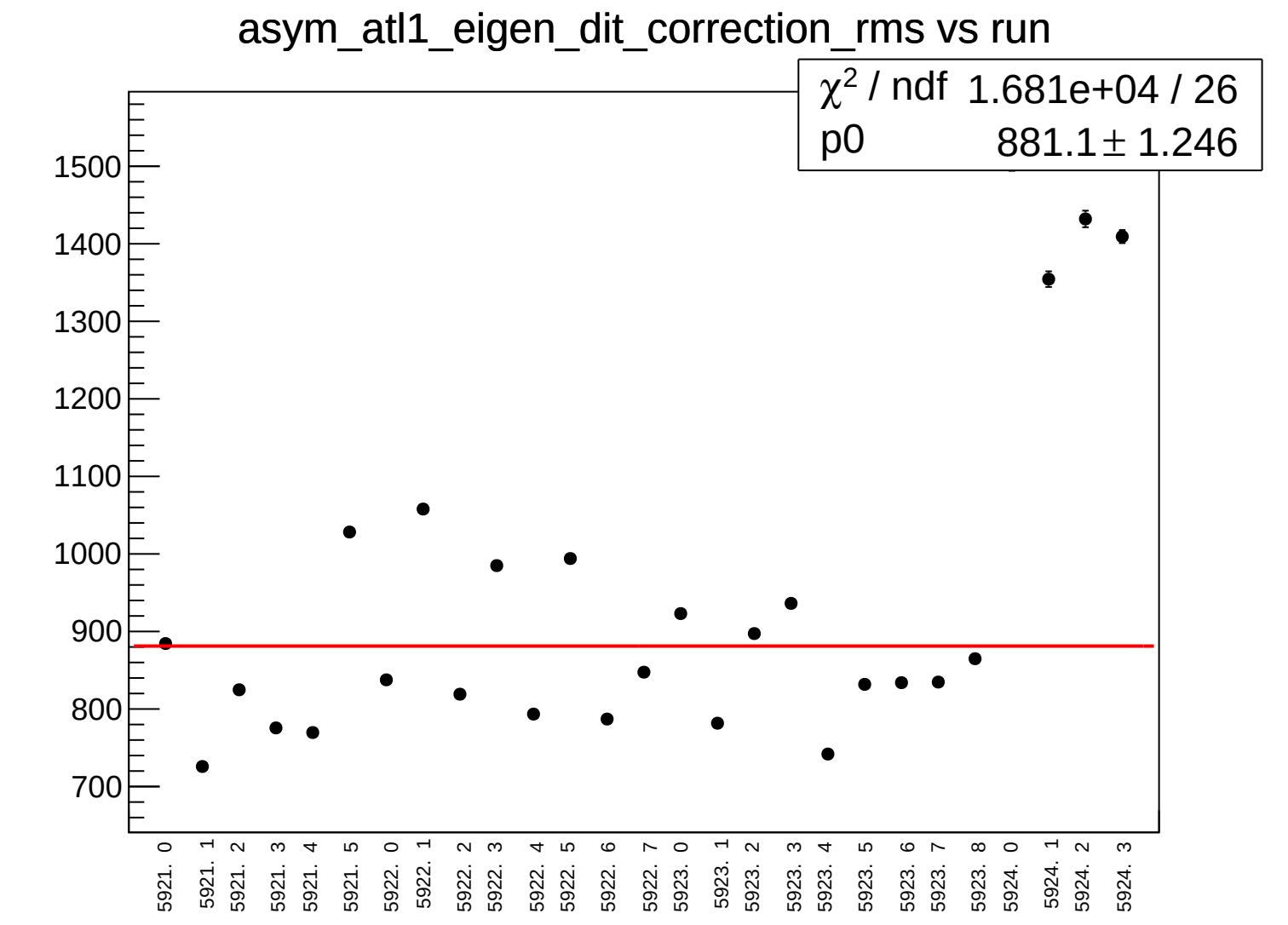
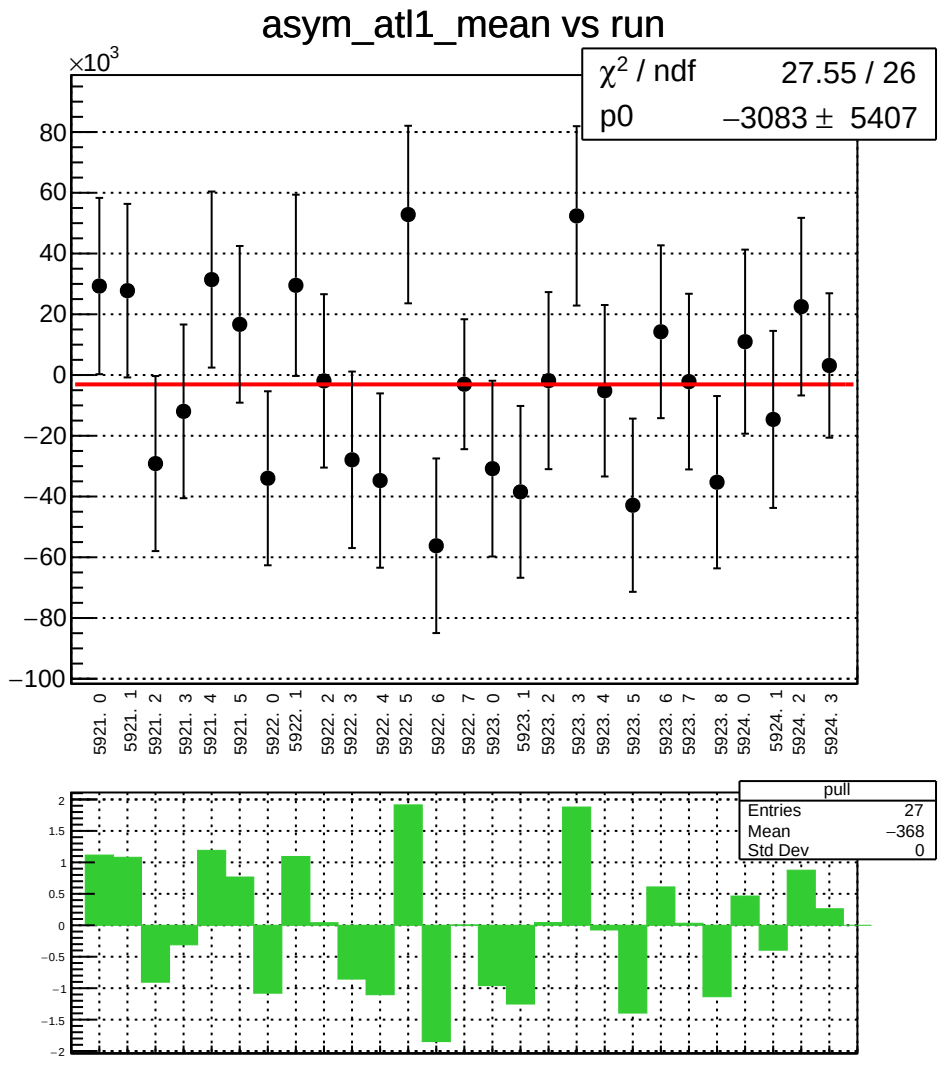
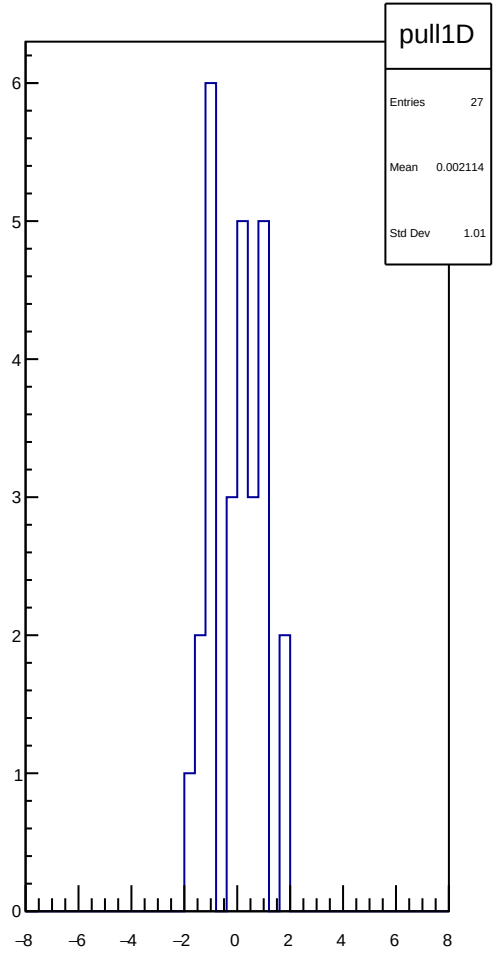
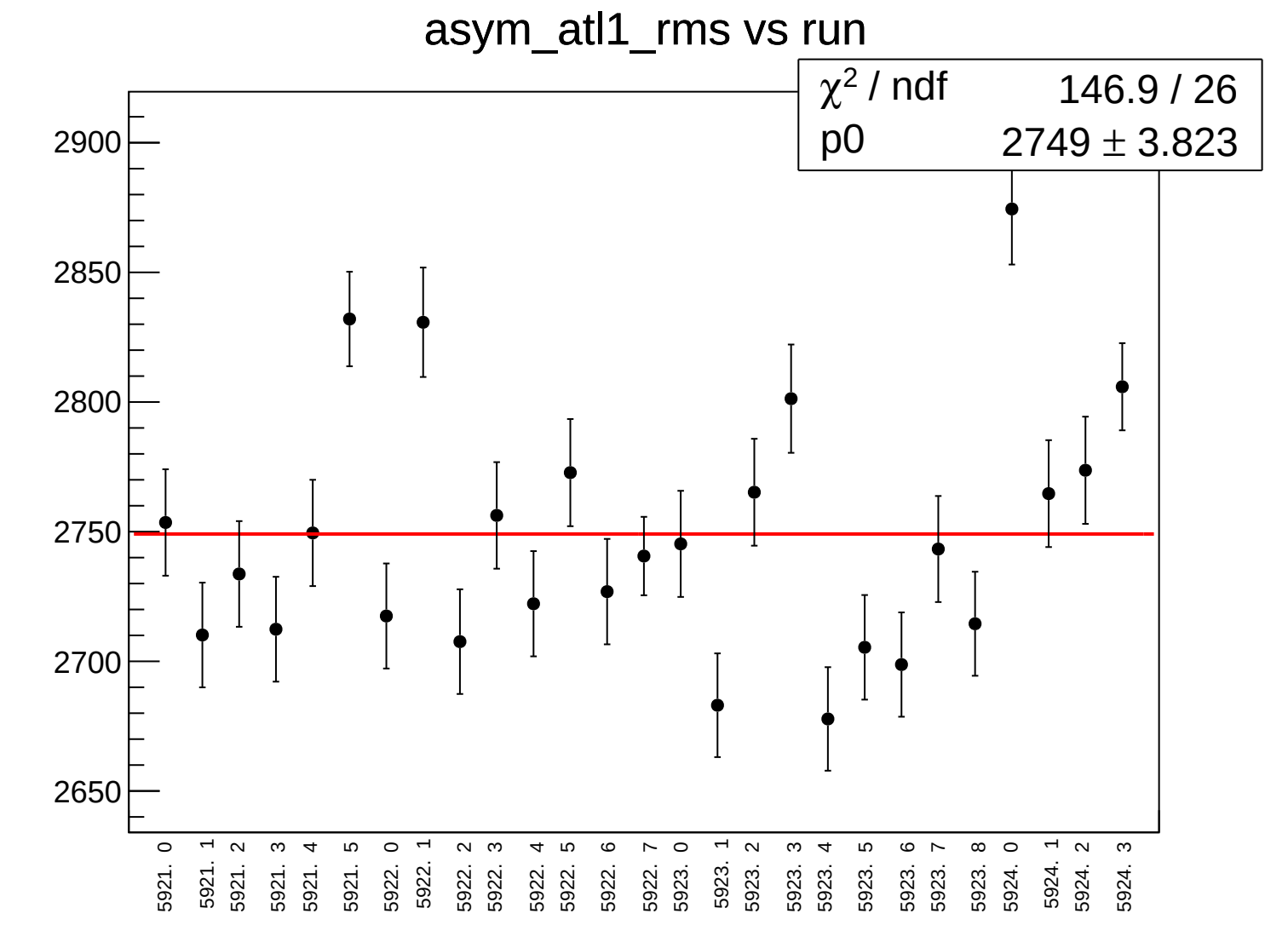
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 40.05
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

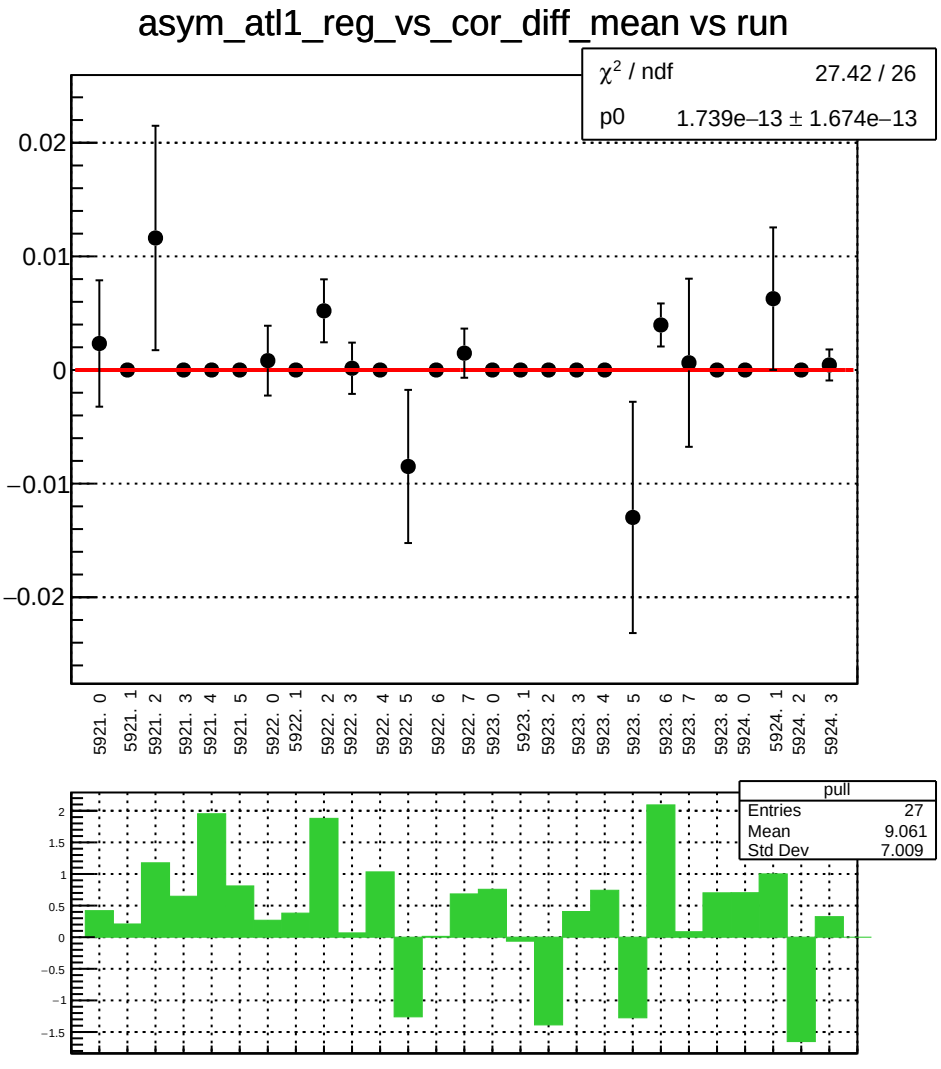

pull1D
Entries 27
Mean −0.0262
Std Dev 0.9764
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

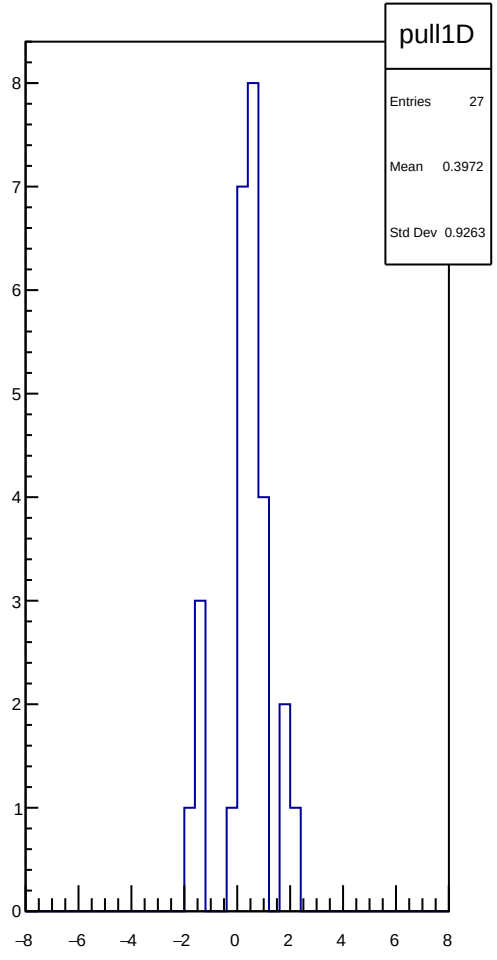

asym_atl1_eigen_dit_correction_rms vs run
χ² / ndf 1.681e+04 / 26
p0 881.1 ± 1.246
1500
1400
1300
1200
1100
1000
900
800
700
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

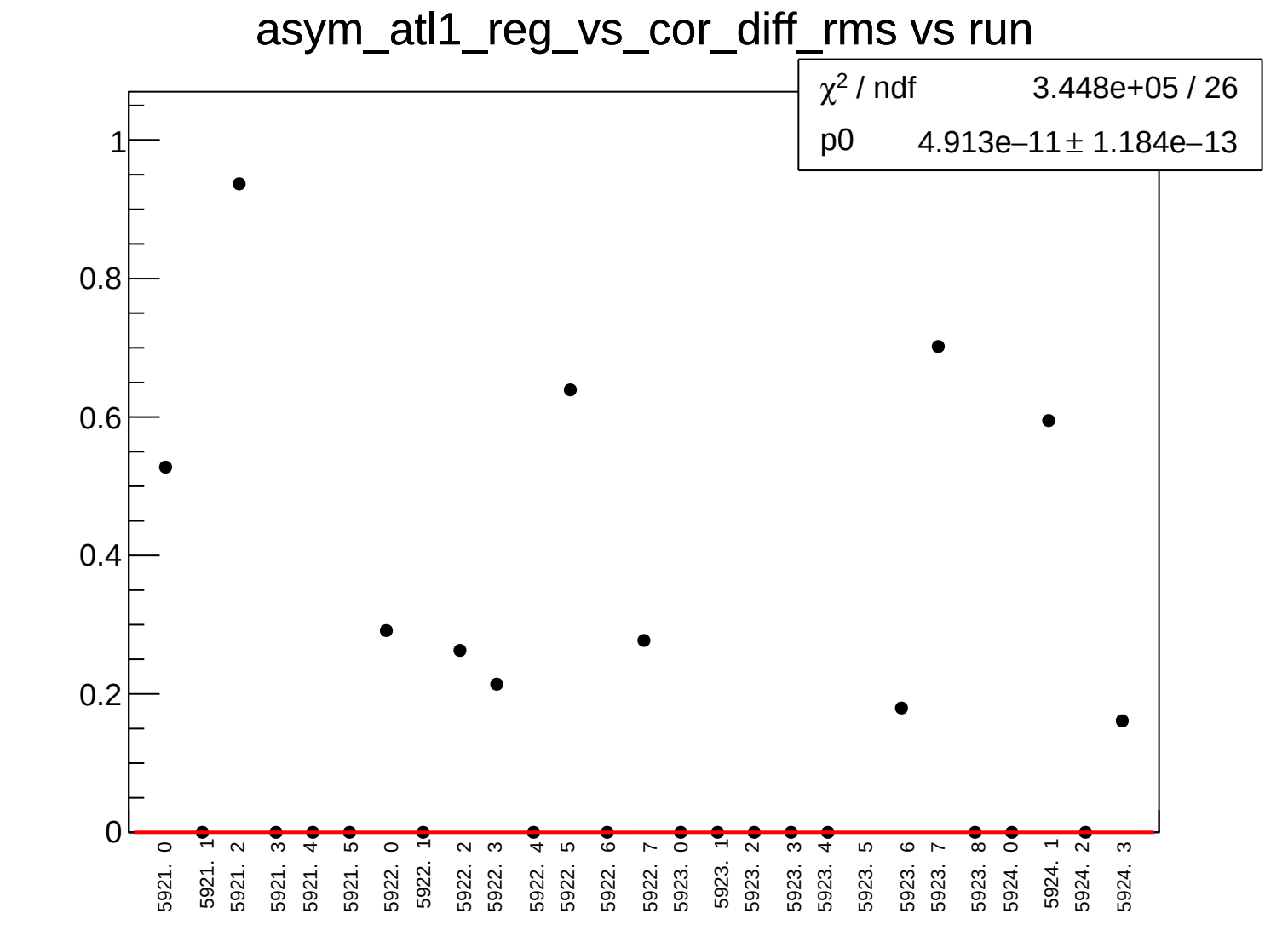

asym_atl1_mean vs run
×10^3
χ² / ndf 27.55 / 26
p0 −3083 ± 5407
80
60
40
20
0
−20
−40
−60
−80
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −368
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

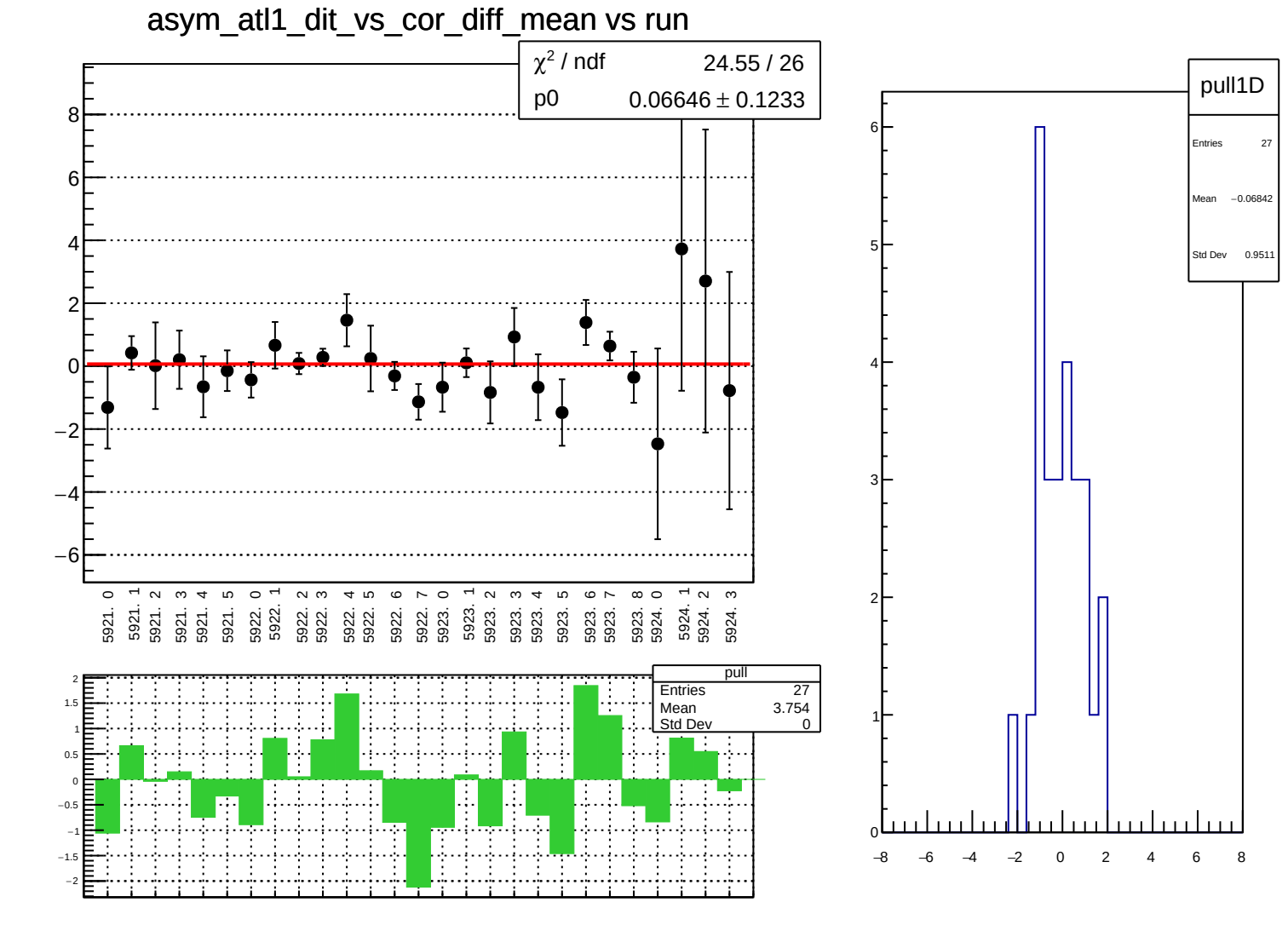

pull1D
Entries 27
Mean 0.002114
Std Dev 1.01
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

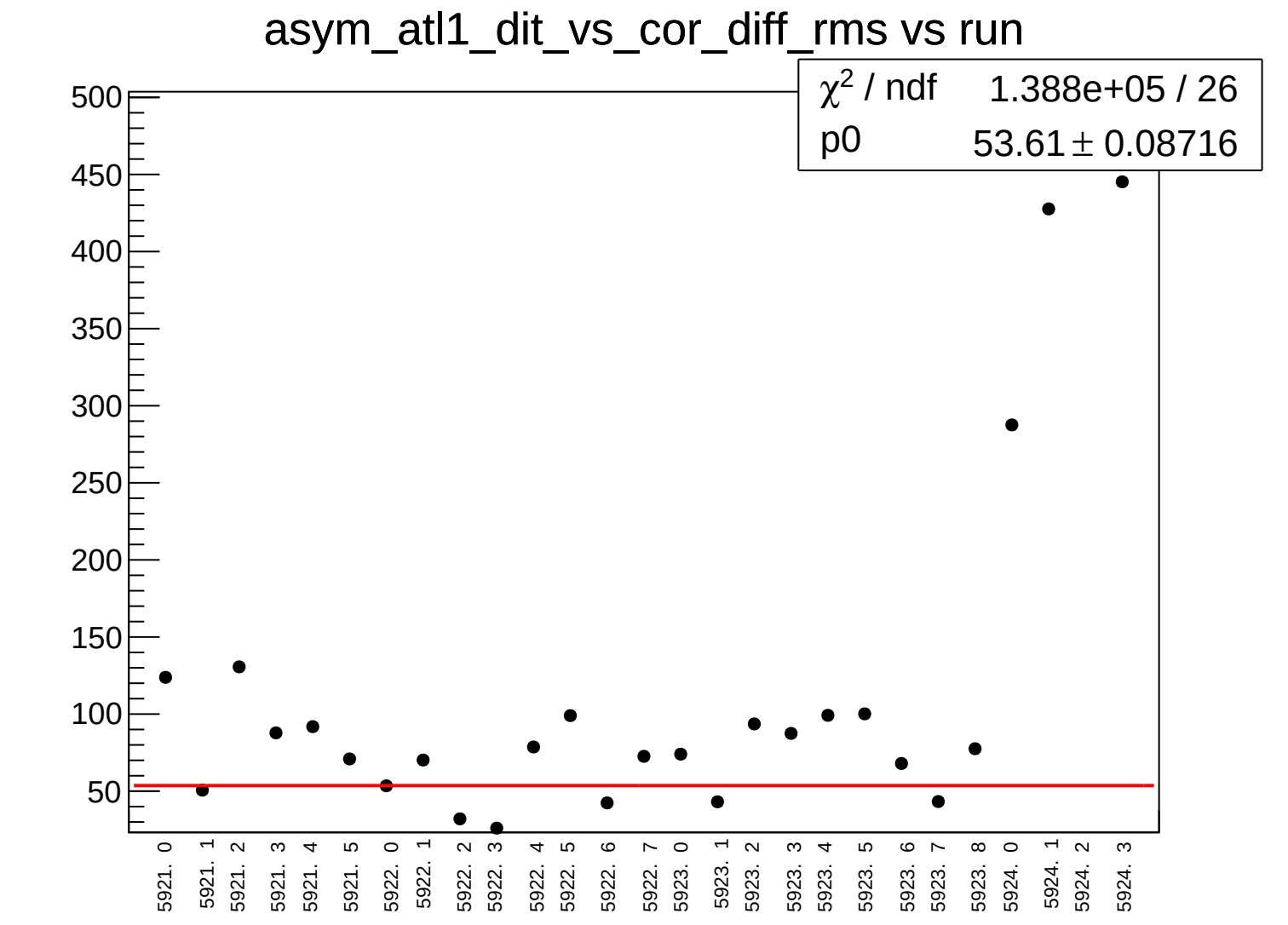

asym_atl1_rms vs run
χ² / ndf 146.9 / 26
p0 2749 ± 3.823
2900
2850
2800
2750
2700
2650
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

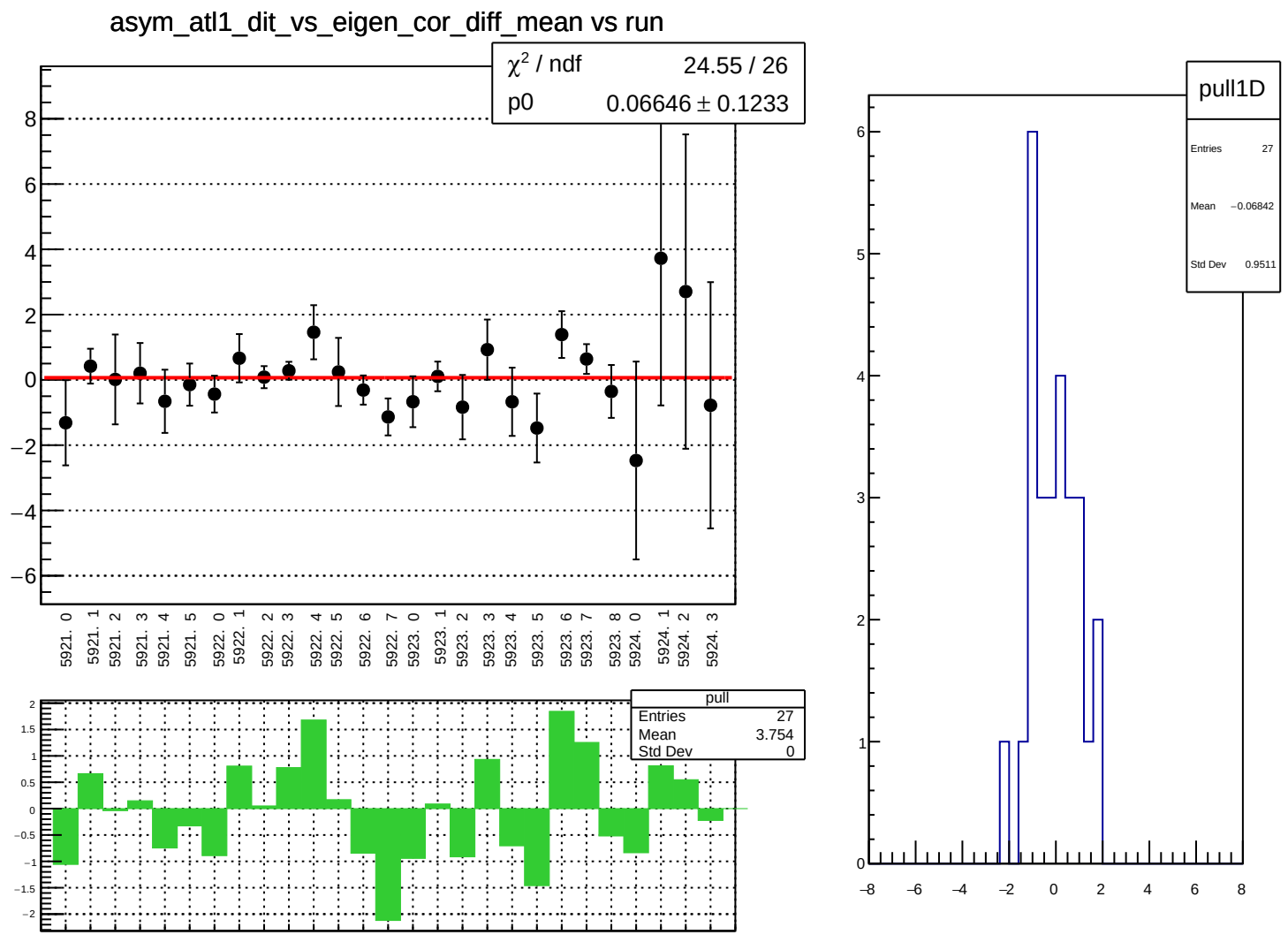

asym_atl1_reg_vs_cor_diff_mean vs run
χ² / ndf 27.42 / 26
p0 1.739e−13 ± 1.674e−13
0.02
0.01
0
−0.01
−0.02
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 9.061
Std Dev 7.009
2
1.5
1
0.5
0
−0.5
−1
−1.5

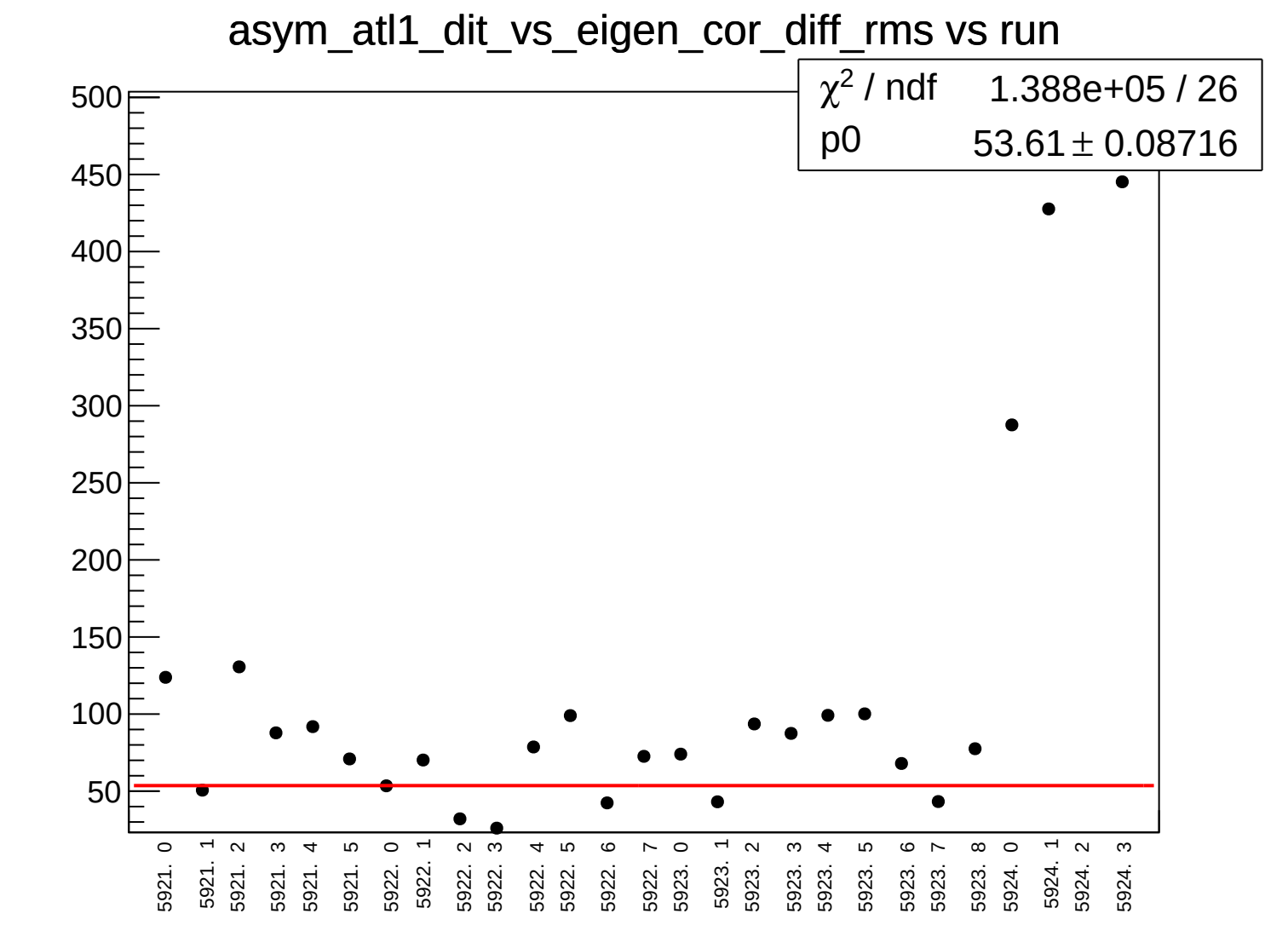

pull1D
Entries 27
Mean 0.3972
Std Dev 0.9263
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

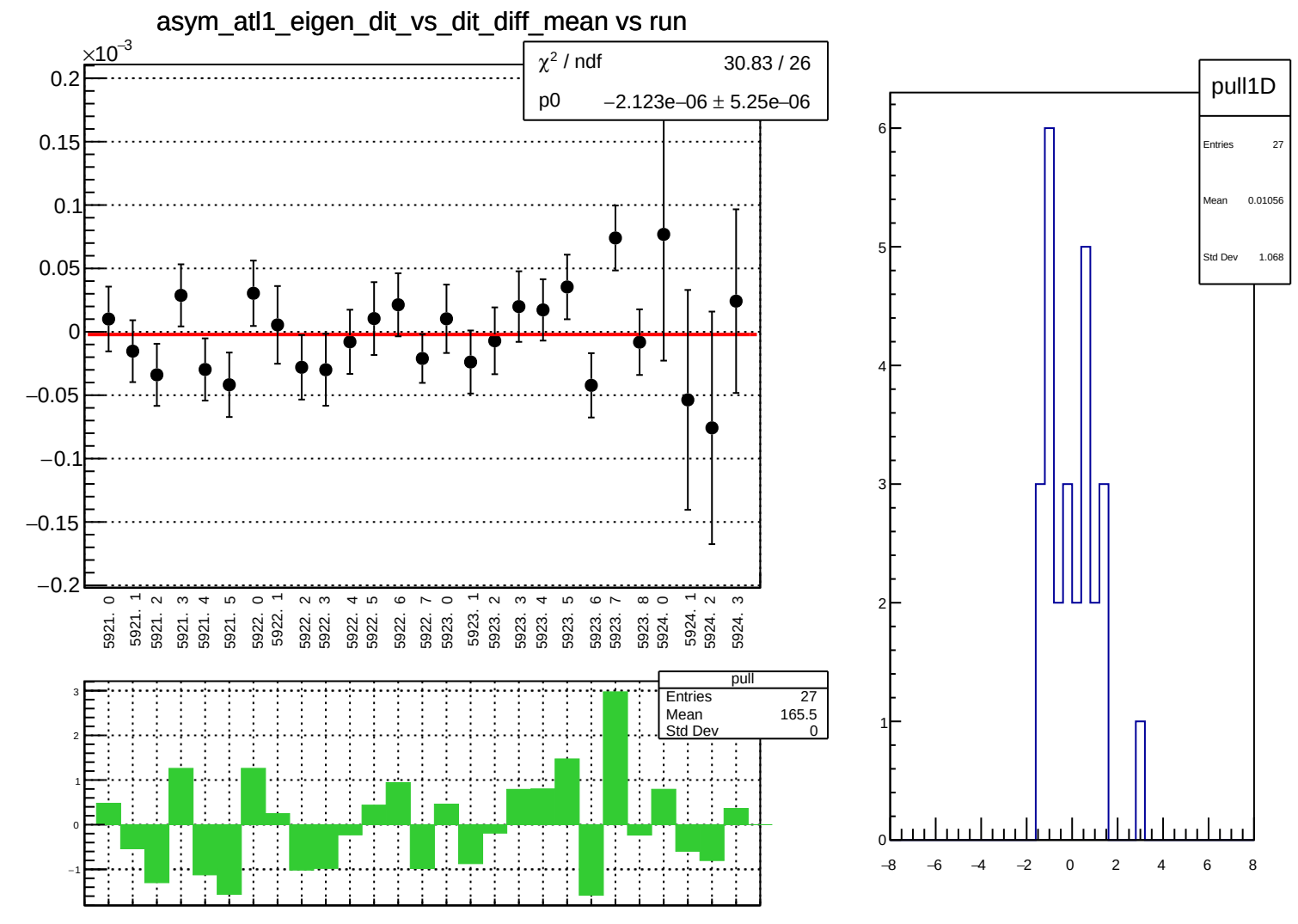

asym_atl1_reg_vs_cor_diff_rms vs run
χ² / ndf 3.448e+05 / 26
p0 4.913e−11 ± 1.184e−13
1
0.8
0.6
0.4
0.2
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

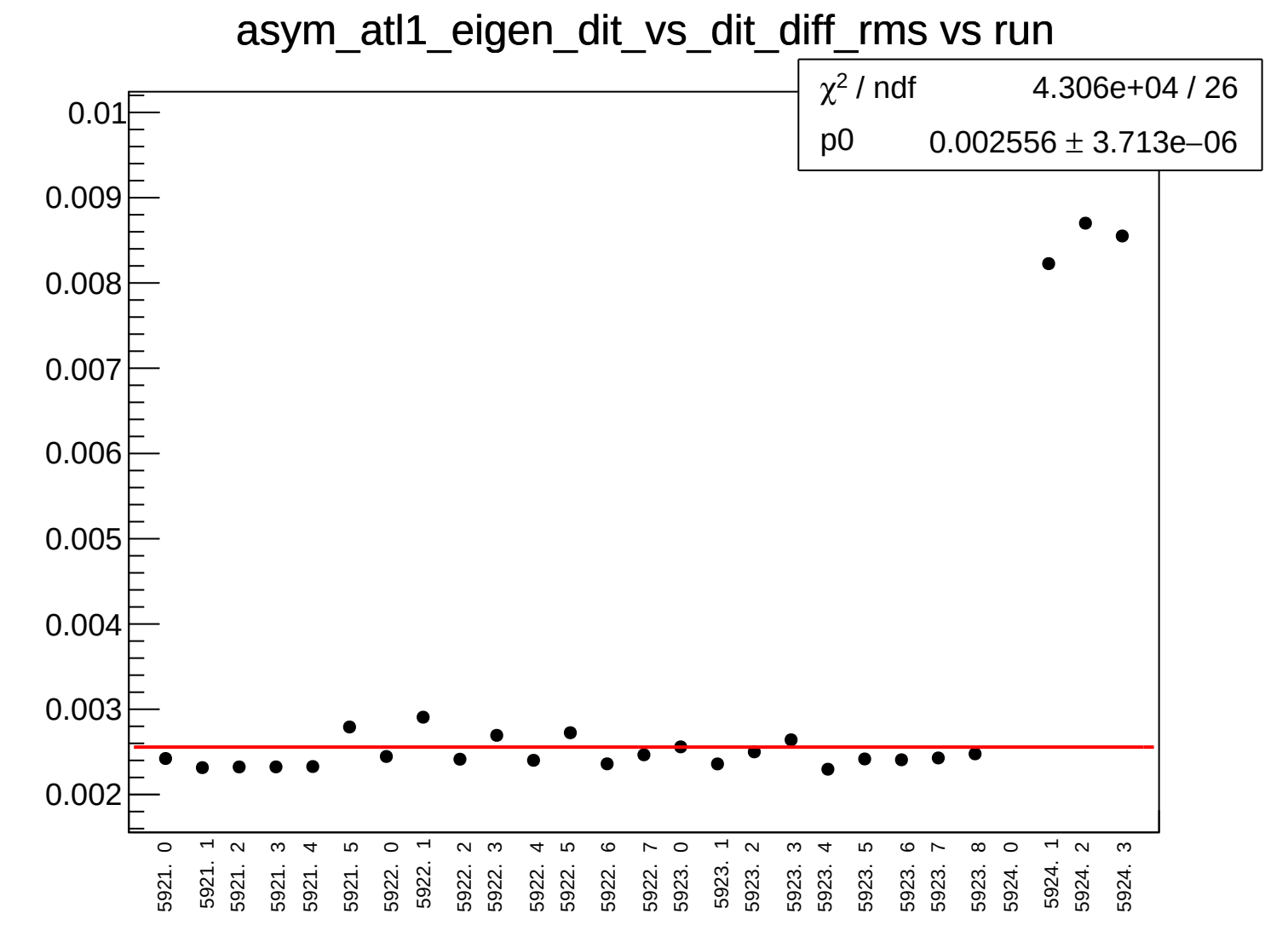

asym_atl1_dit_vs_cor_diff_mean vs run
χ² / ndf 24.55 / 26
p0 0.06646 ± 0.1233
8
6
4
2
0
−2
−4
−6
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 3.754
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.06842
Std Dev 0.9511
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

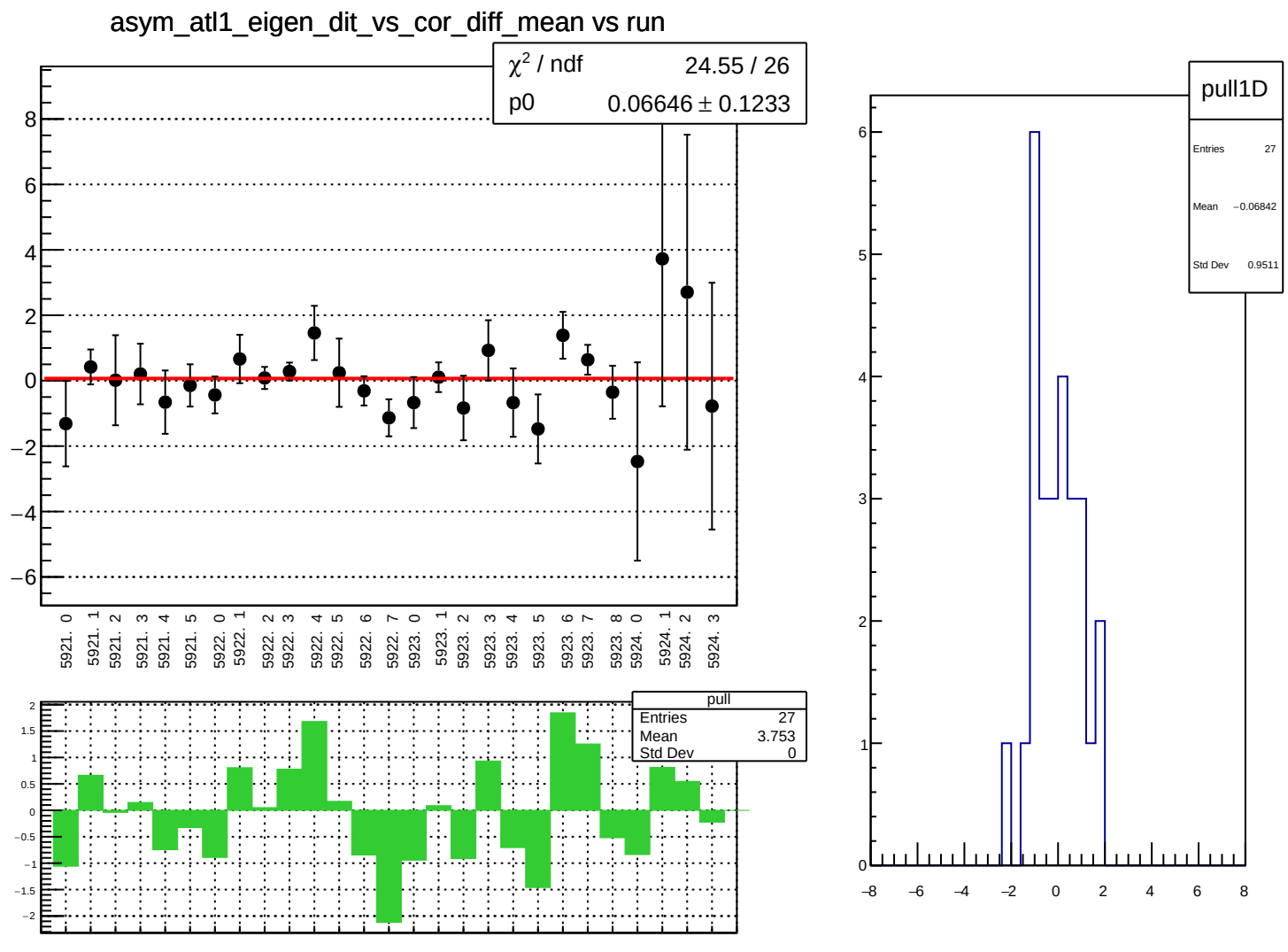

asym_atl1_dit_vs_cor_diff_rms vs run
χ² / ndf 1.388e+05 / 26
p0 53.61 ± 0.08716
500
450
400
350
300
250
200
150
100
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

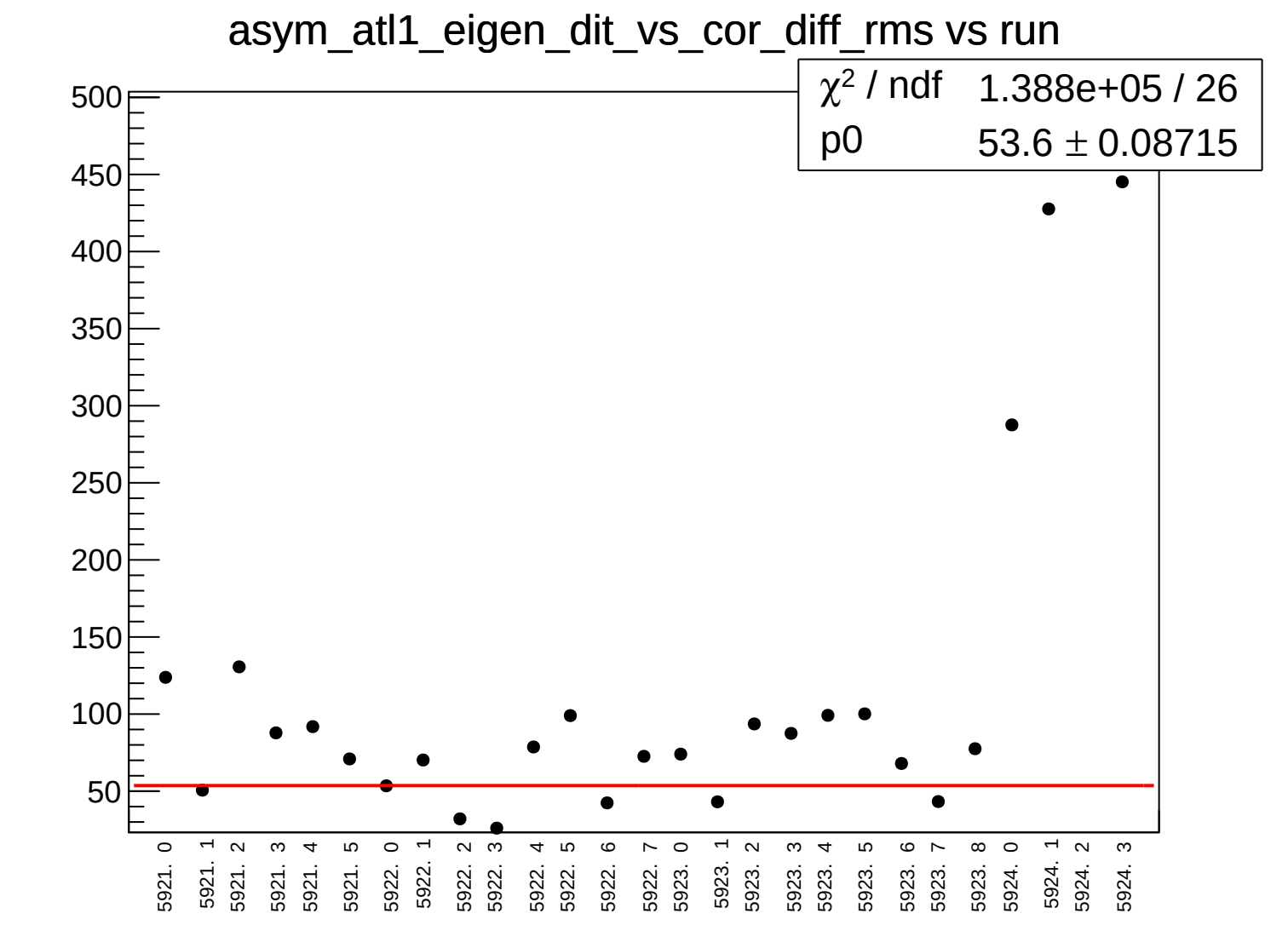

asym_atl1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 24.55 / 26
p0 0.06646 ± 0.1233
8
6
4
2
0
−2
−4
−6
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 3.754
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.06842
Std Dev 0.9511
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

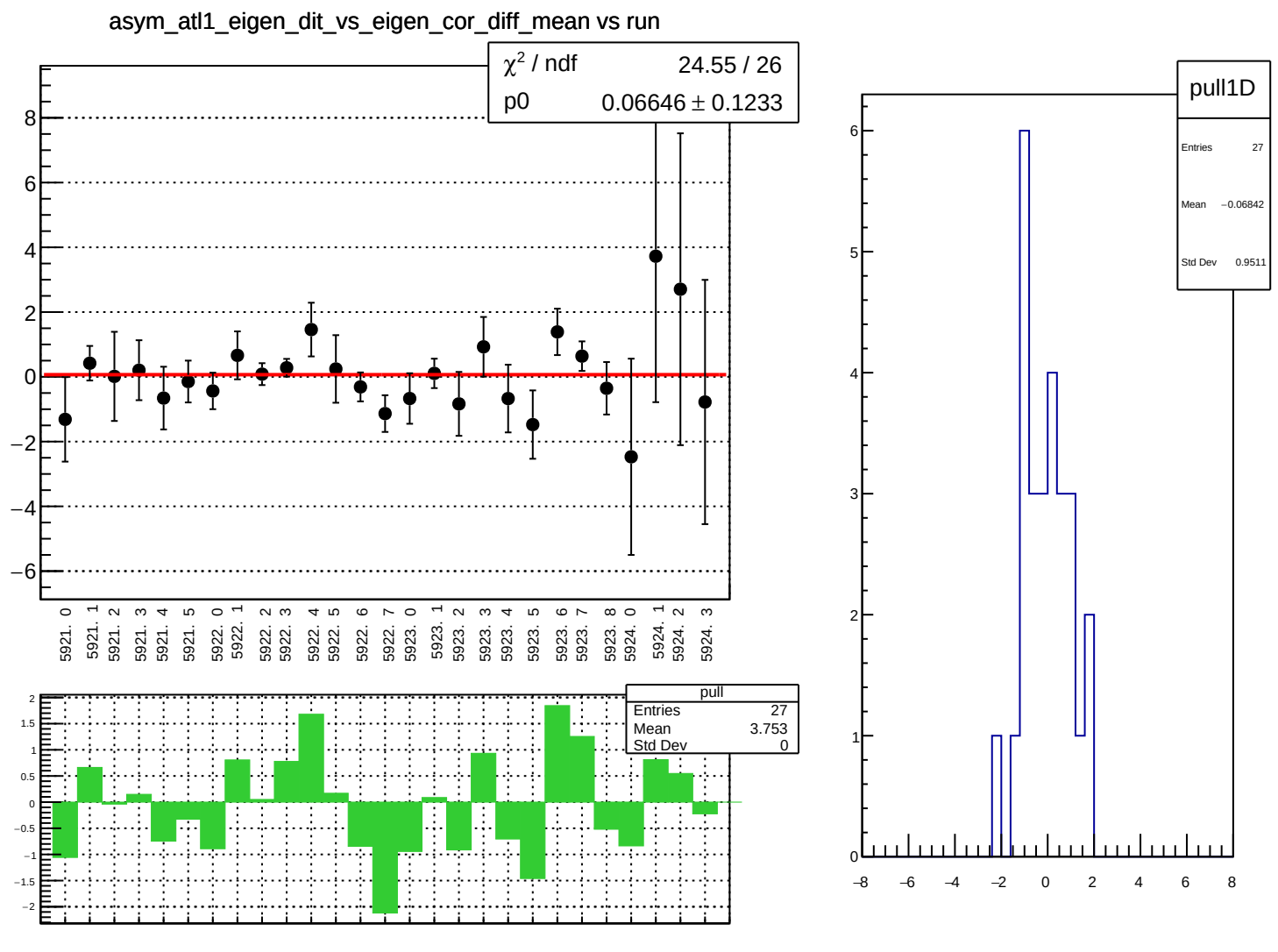

asym_atl1_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 1.388e+05 / 26
p0 53.61 ± 0.08716
500
450
400
350
300
250
200
150
100
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

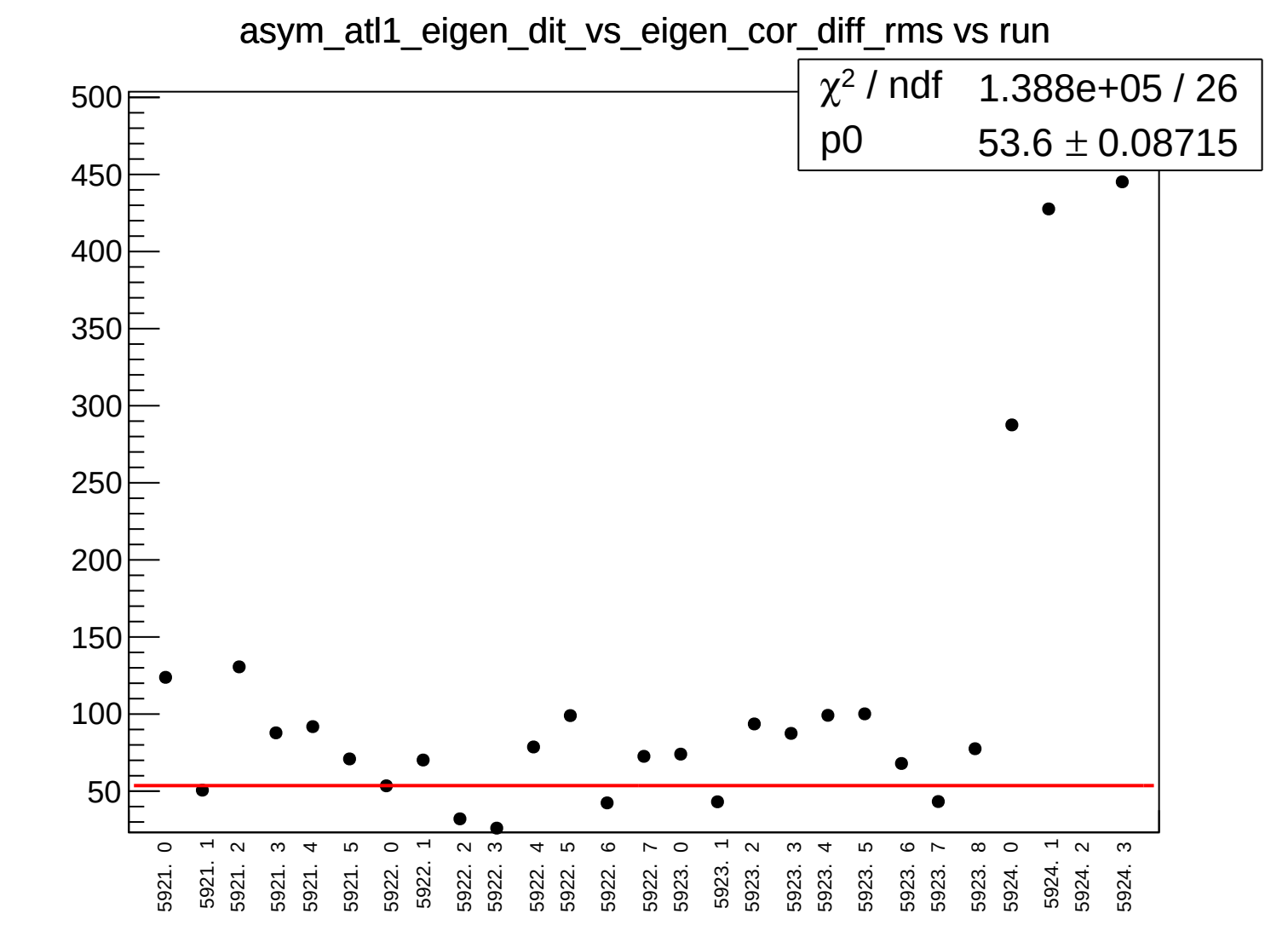

asym_atl1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 30.83 / 26
p0 −2.123e−06 ± 5.25e−06
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 165.5
Std Dev 0
3
2
1
0
−1
pull1D
Entries 27
Mean 0.01056
Std Dev 1.068
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

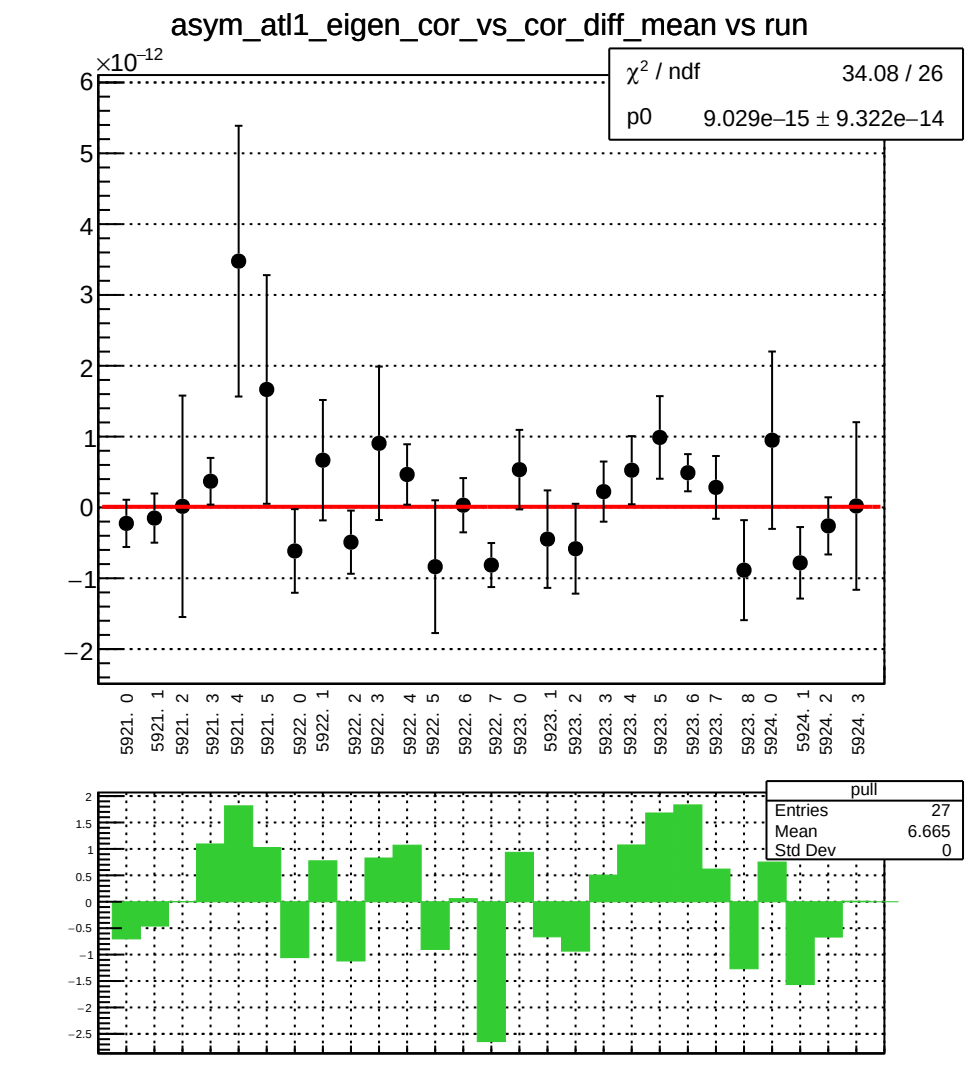

asym_atl1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.306e+04 / 26
p0 0.002556 ± 3.713e−06
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

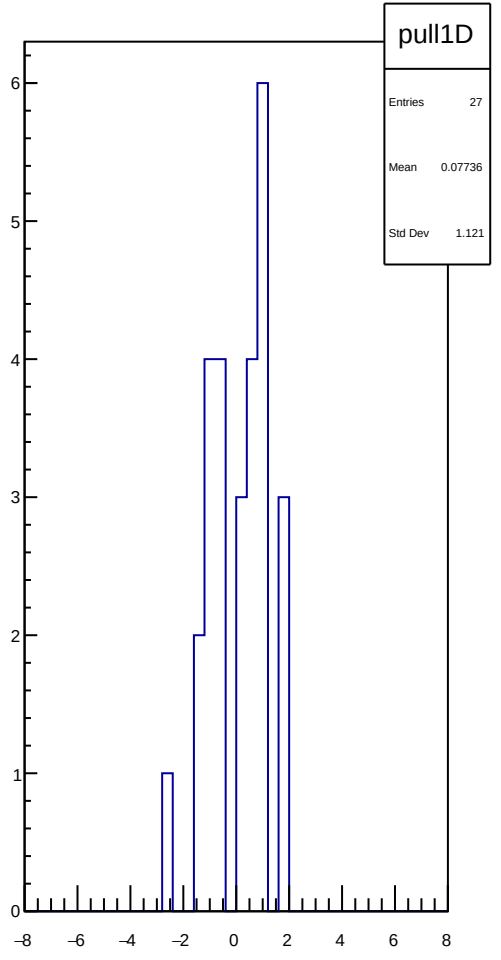

asym_atl1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 24.55 / 26
p0 0.06646 ± 0.1233
8
6
4
2
0
−2
−4
−6
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 3.753
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.06842
Std Dev 0.9511
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

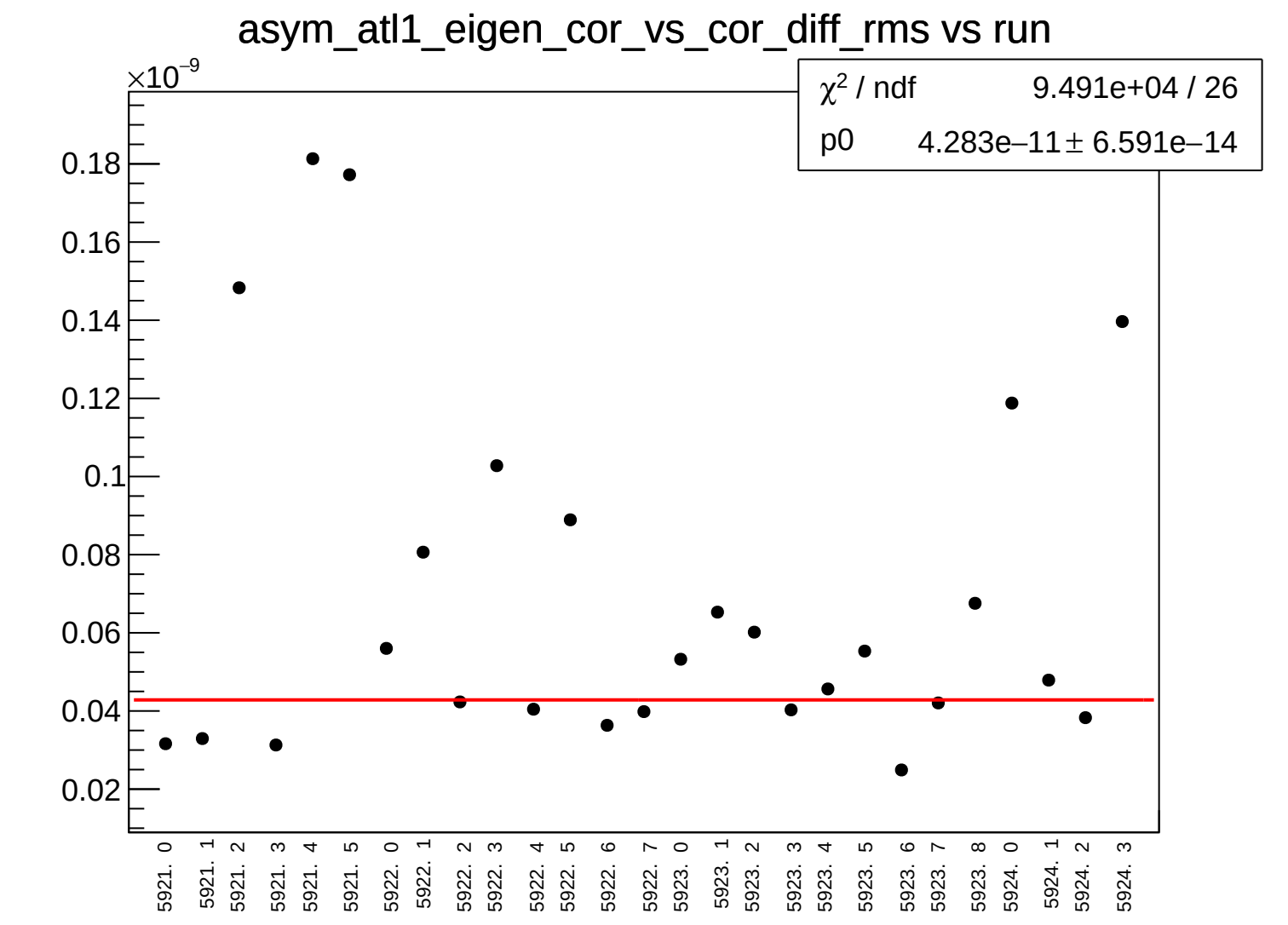

asym_atl1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.388e+05 / 26
p0 53.6 ± 0.08715
500
450
400
350
300
250
200
150
100
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

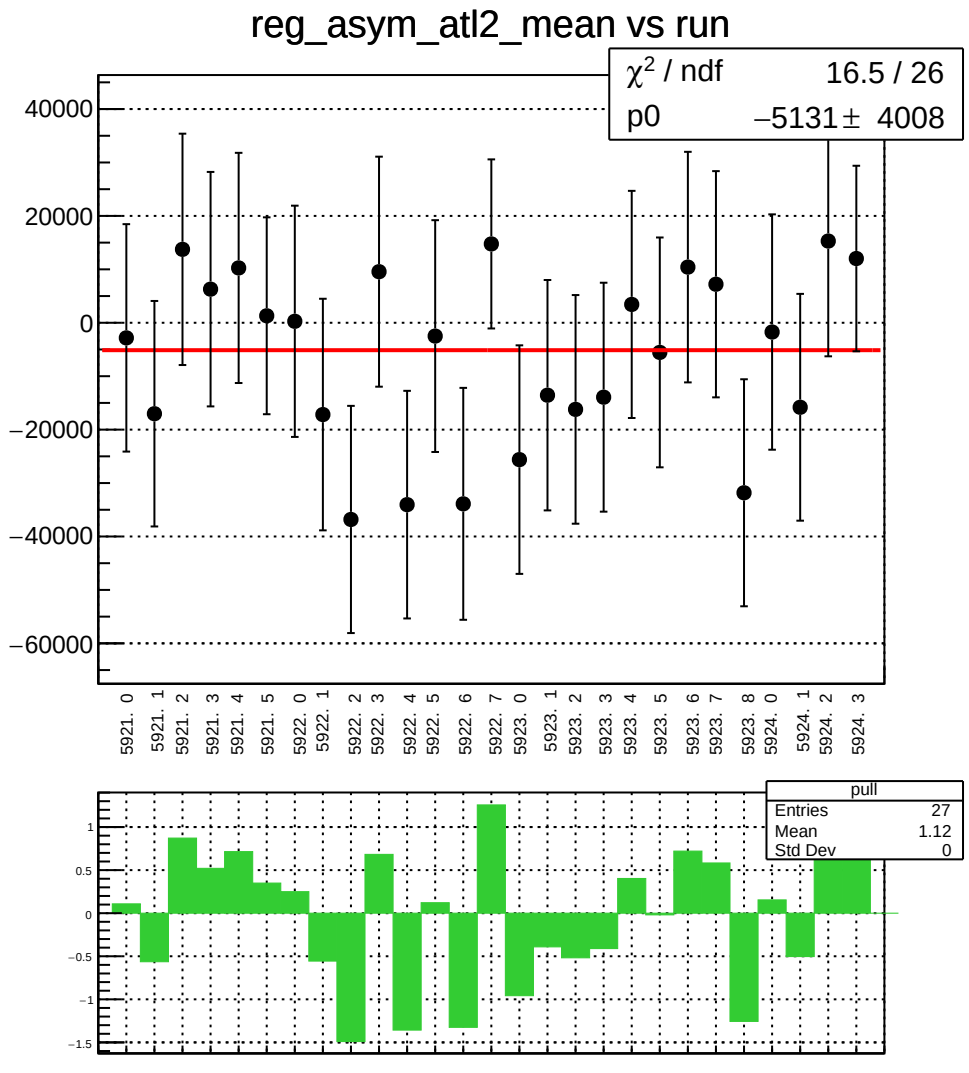

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 24.55 / 26
p0 0.06646 ± 0.1233
pull
Entries 27
Mean 3.753
Std Dev 0
pull1D
Entries 27
Mean −0.06842
Std Dev 0.9511

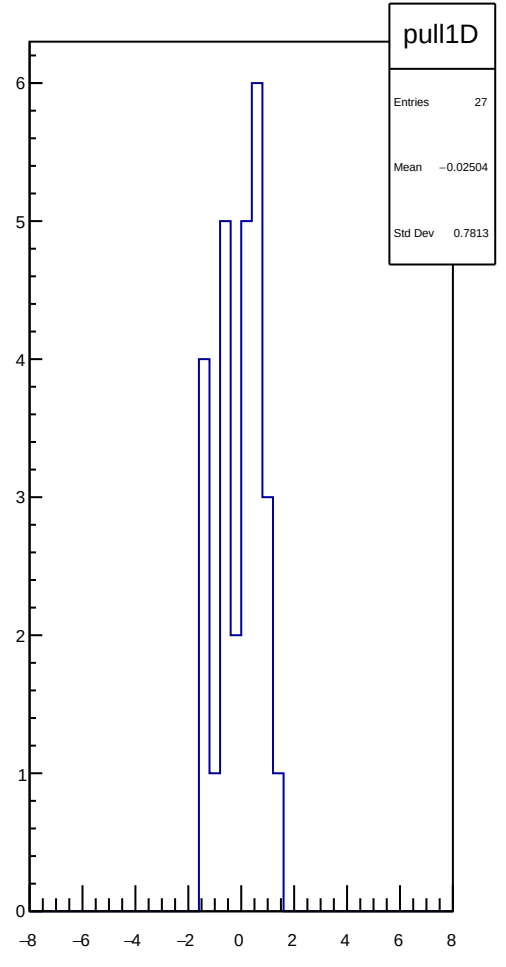

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.388e+05 / 26
p0 53.6 ± 0.08715
500
450
400
350
300
250
200
150
100
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

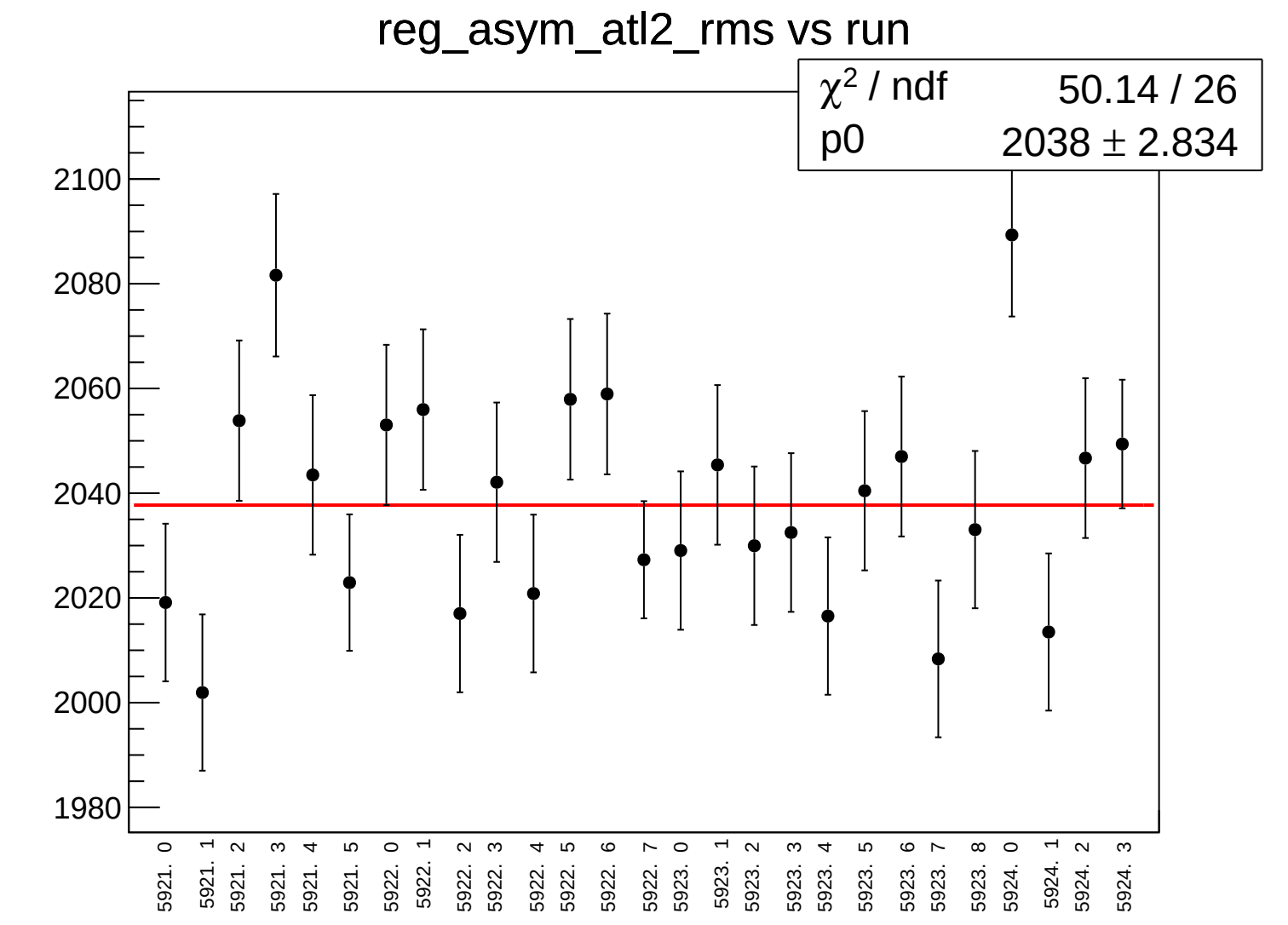

asym_atl1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 34.08 / 26
p0 9.029e−15 ± 9.322e−14
6
5
4
3
2
1
0
−1
−2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 6.665
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

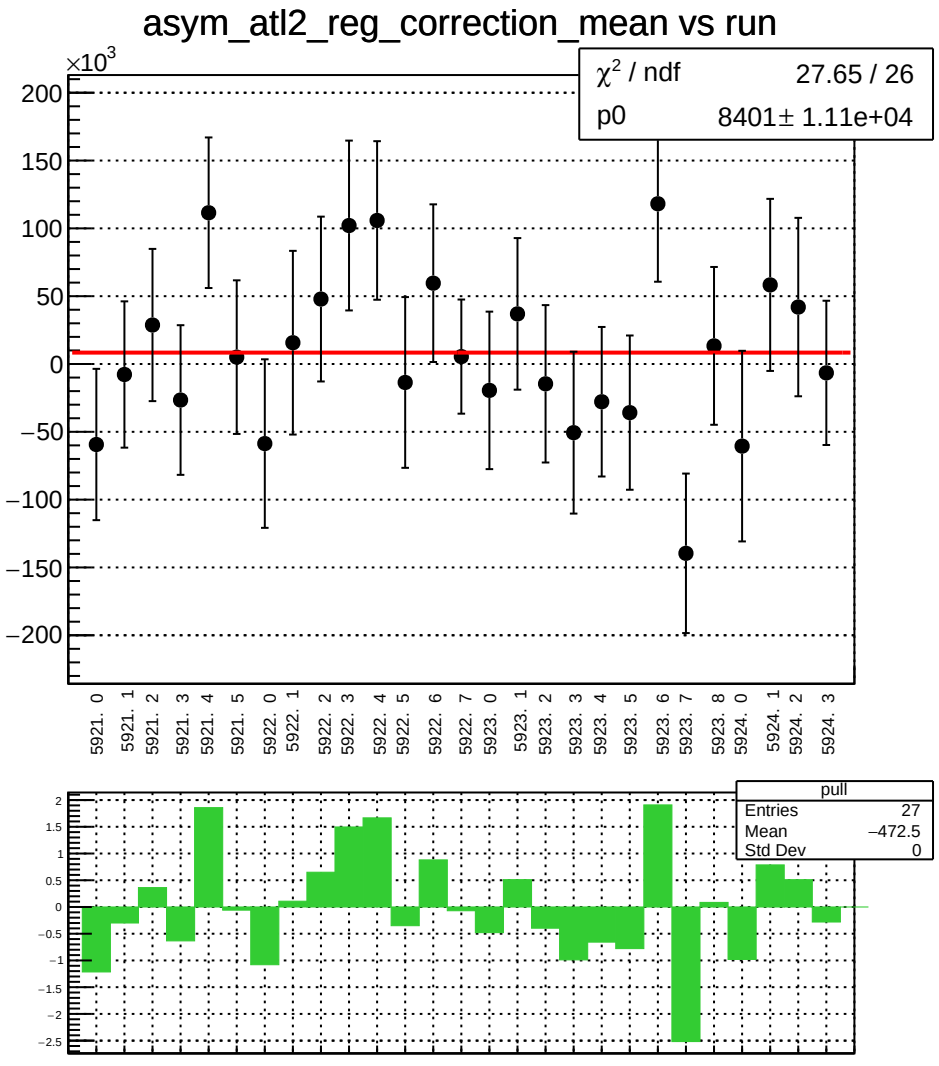

pull1D
Entries 27
Mean 0.07736
Std Dev 1.121
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

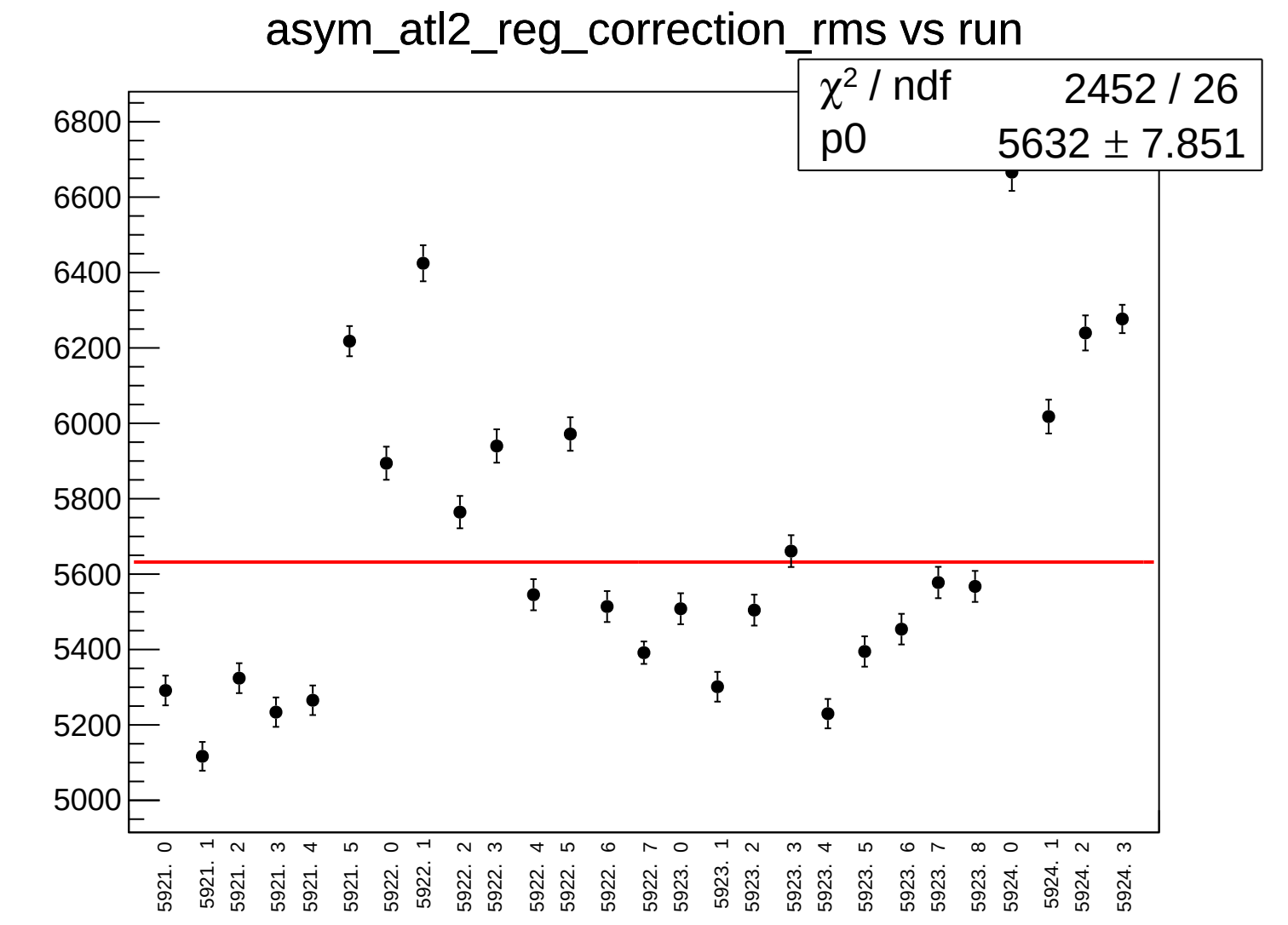

asym_atl1_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 9.491e+04 / 26
p0 4.283e−11 ± 6.591e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

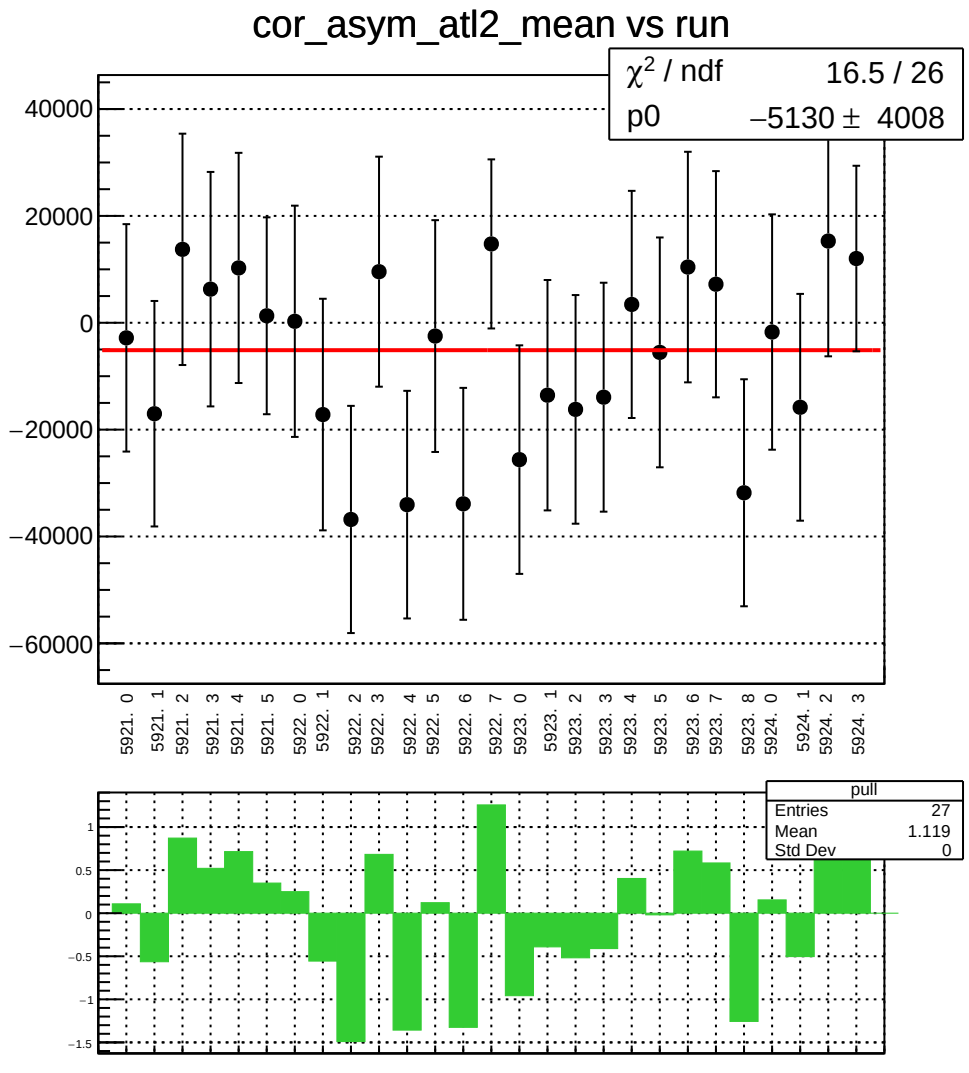

reg_asym_atl2_mean vs run
χ² / ndf 16.5 / 26
p0 −5131 ± 4008
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 1.12
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

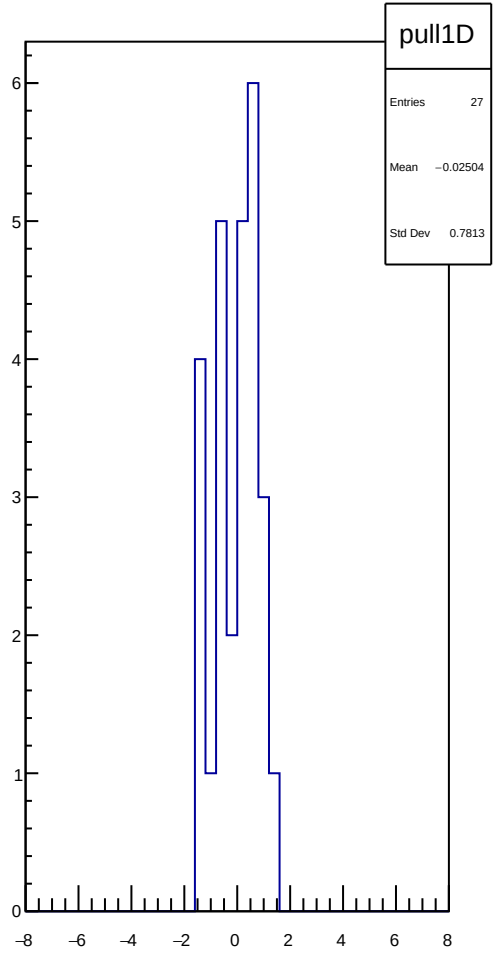

pull1D
Entries 27
Mean −0.02504
Std Dev 0.7813
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

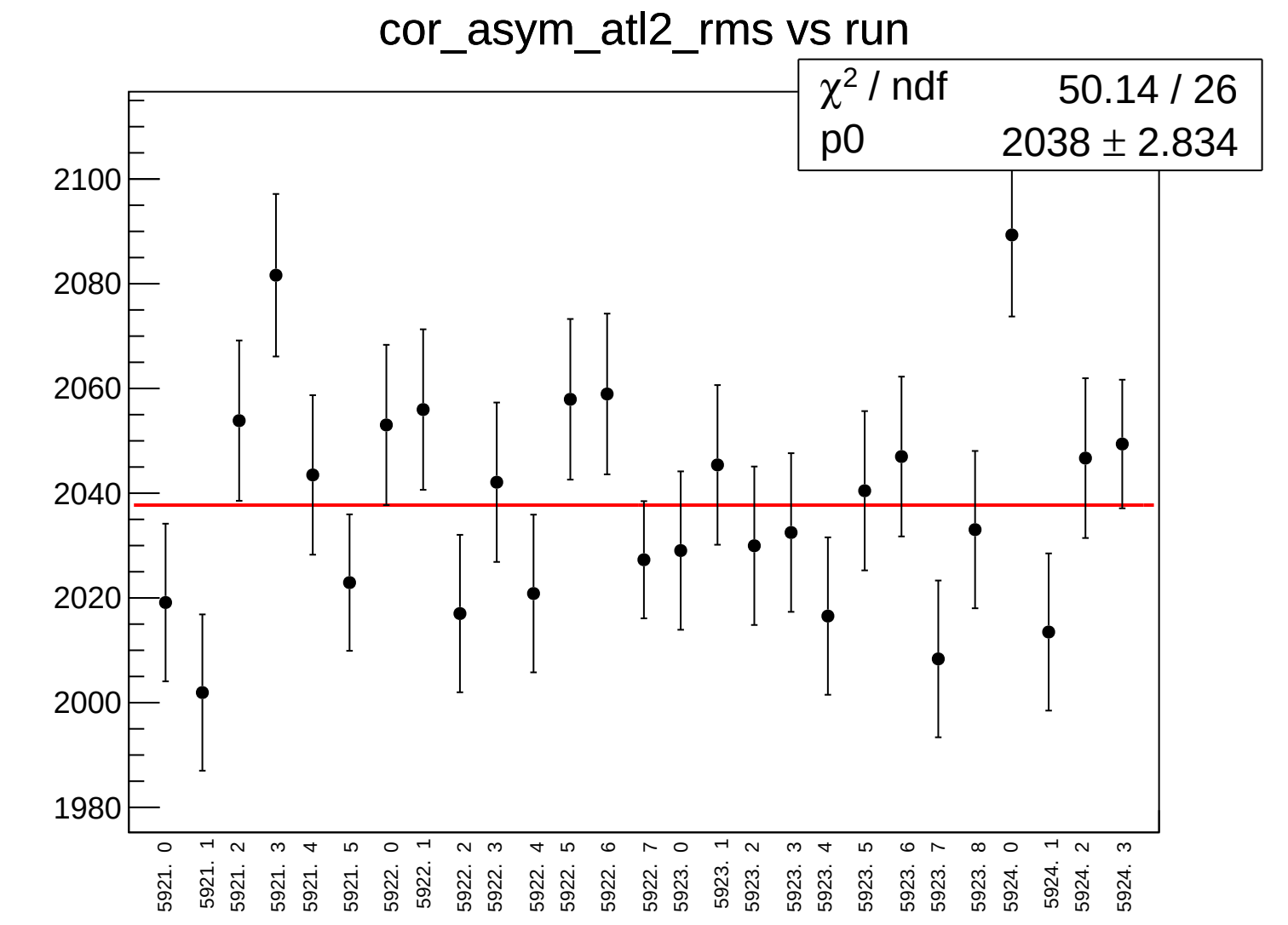

reg_asym_atl2_rms vs run
χ² / ndf 50.14 / 26
p0 2038 ± 2.834
2100
2080
2060
2040
2020
2000
1980
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

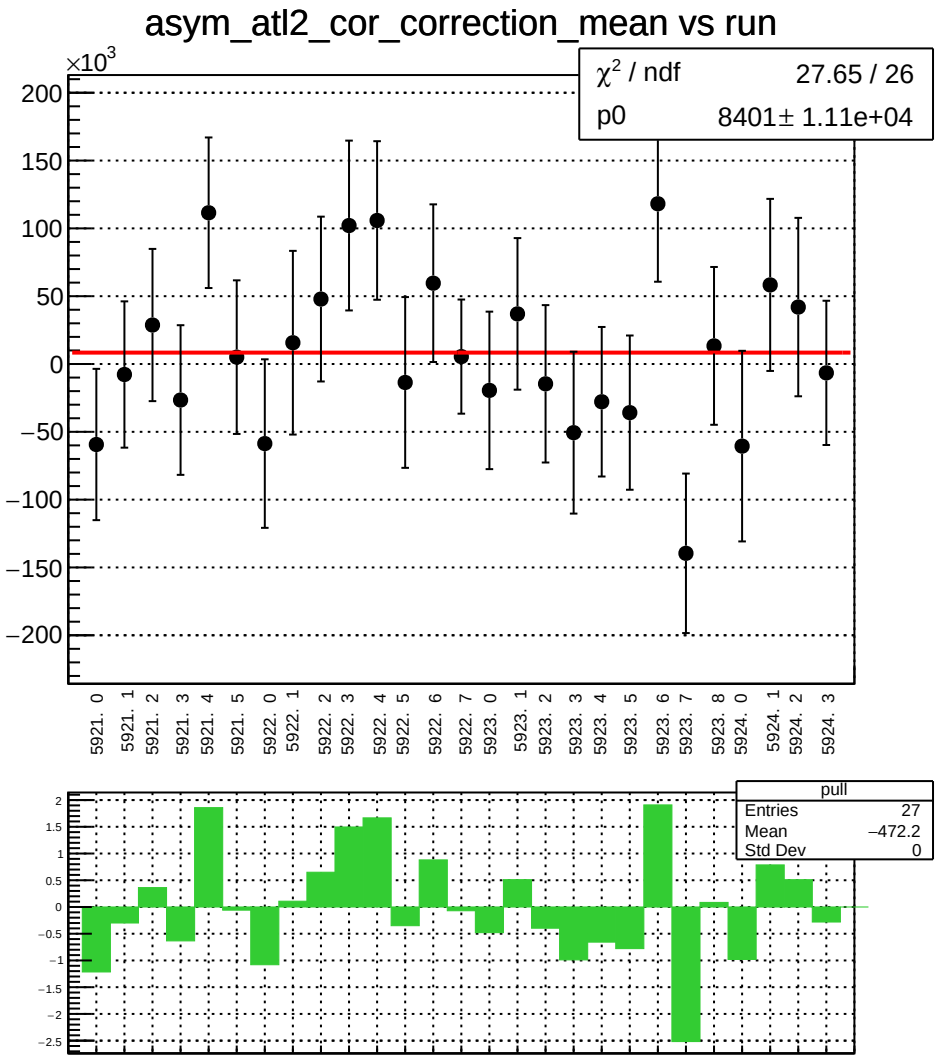

asym_atl2_reg_correction_mean vs run
×10^3
χ² / ndf 27.65 / 26
p0 8401± 1.11e+04
200
150
100
50
0
−50
−100
−150
−200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −472.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean 0.001468
Std Dev 1.012
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

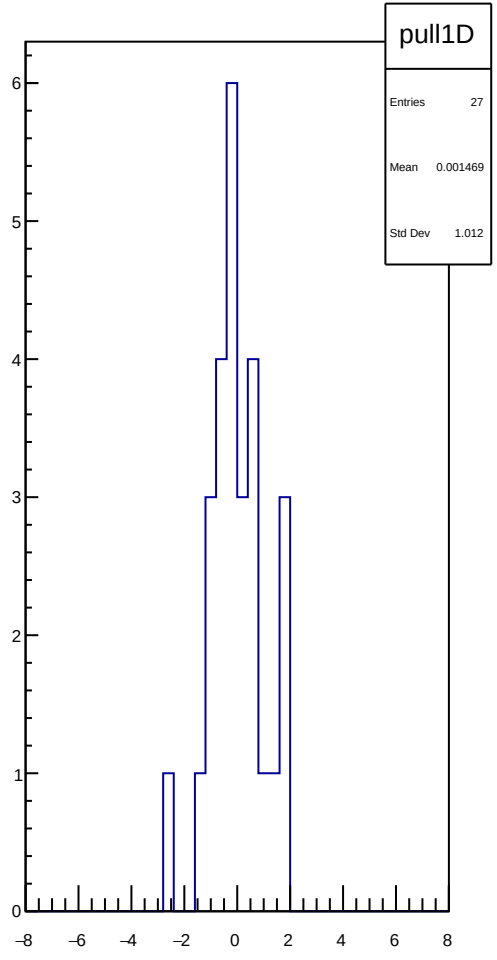

asym_atl2_reg_correction_rms vs run
χ² / ndf 2452 / 26
p0 5632 ± 7.851
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

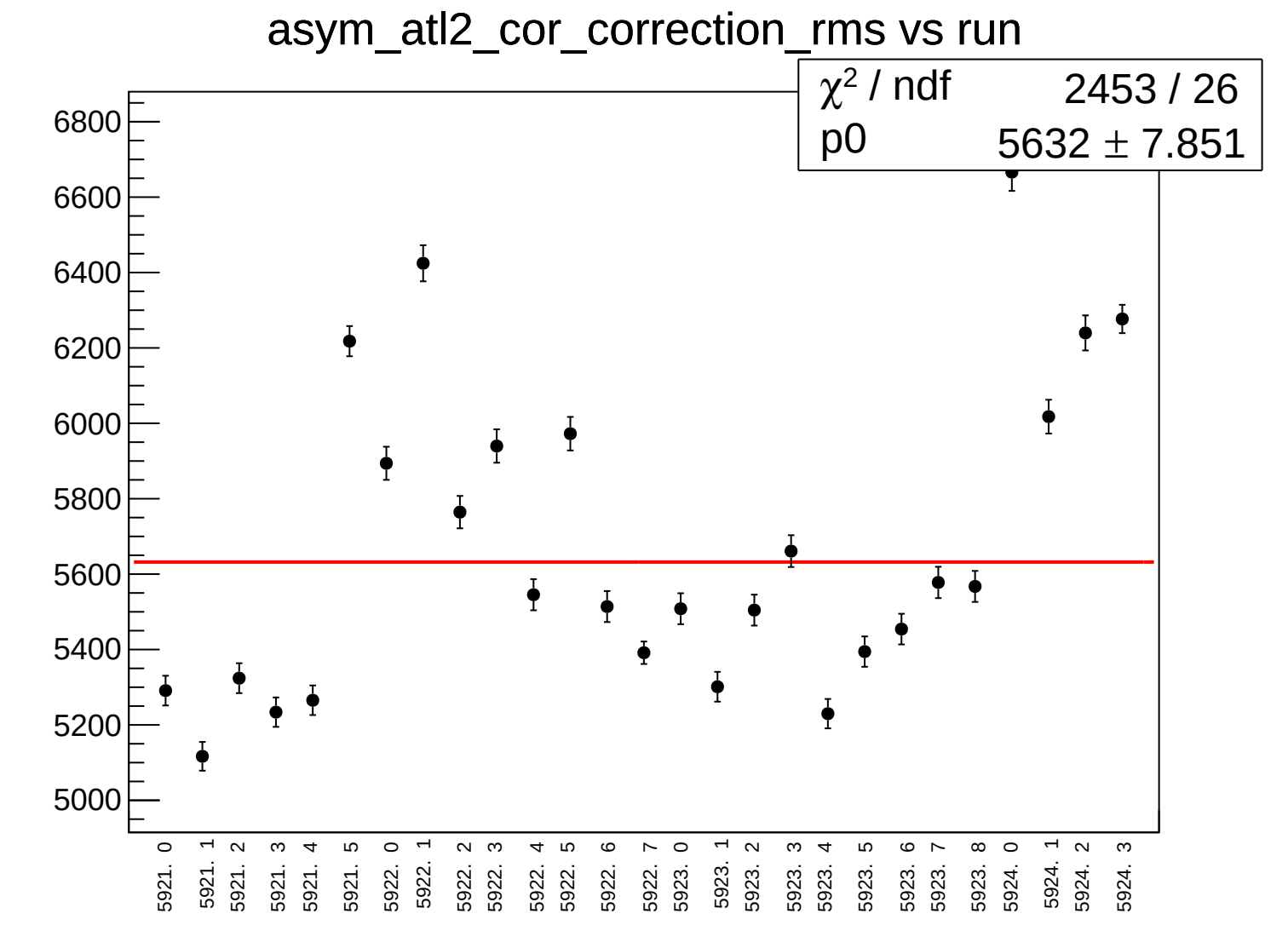

cor_asym_atl2_mean vs run
χ² / ndf 16.5 / 26
p0 −5130 ± 4008
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 1.119
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

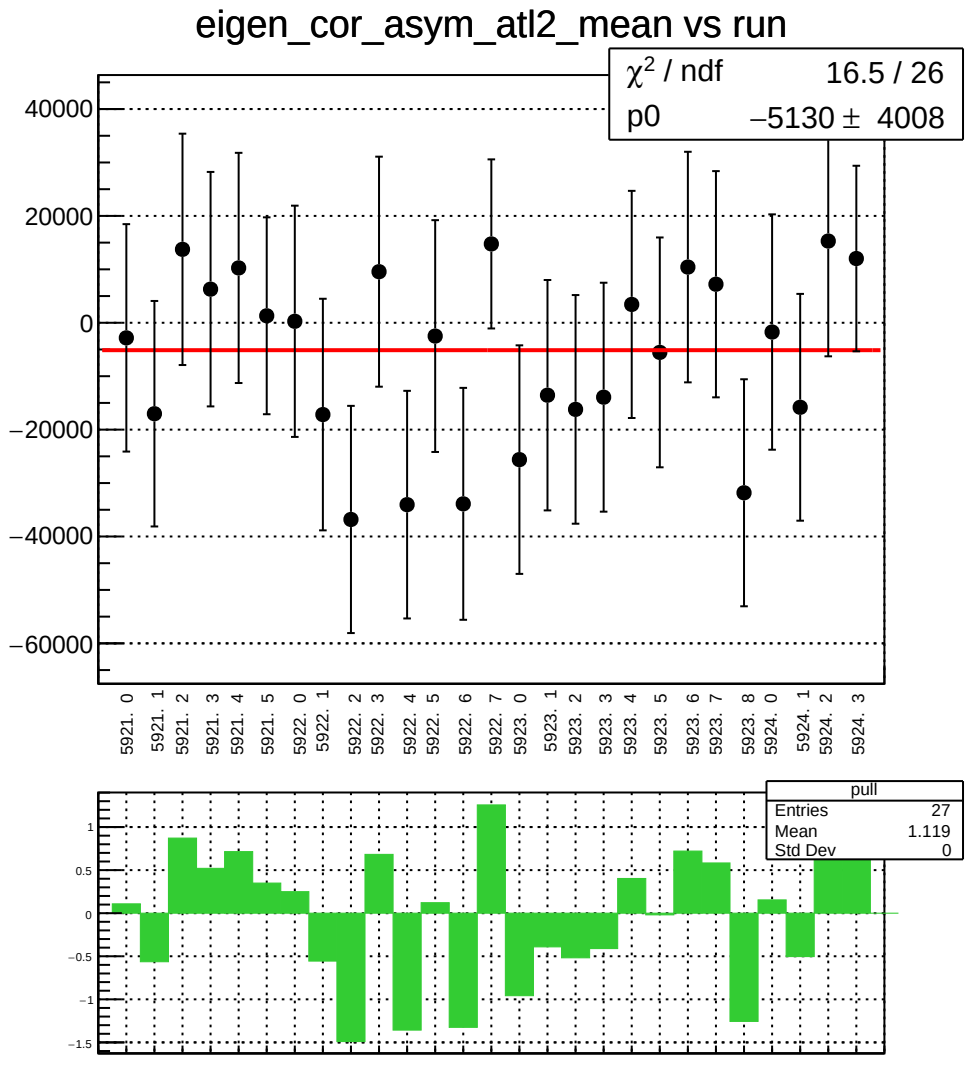

pull1D
Entries 27
Mean −0.02504
Std Dev 0.7813
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

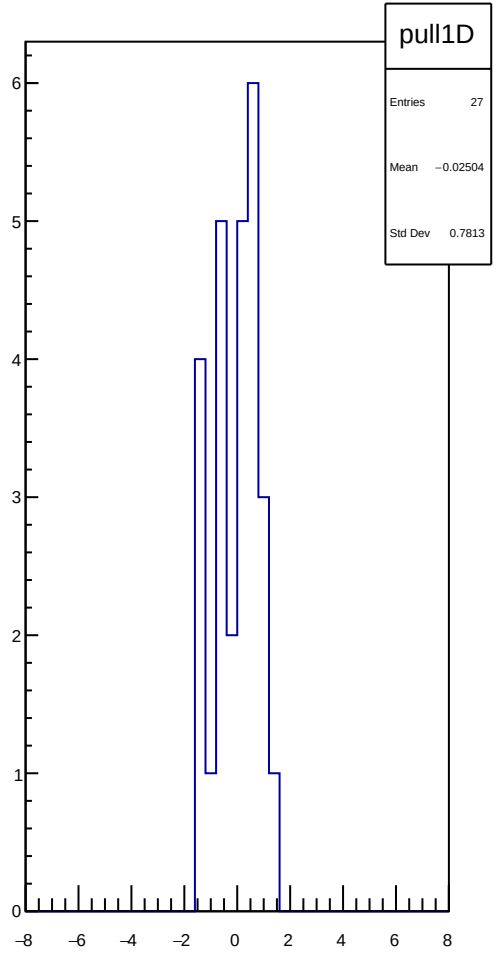

cor_asym_atl2_rms vs run
χ² / ndf 50.14 / 26
p0 2038 ± 2.834
2100
2080
2060
2040
2020
2000
1980
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

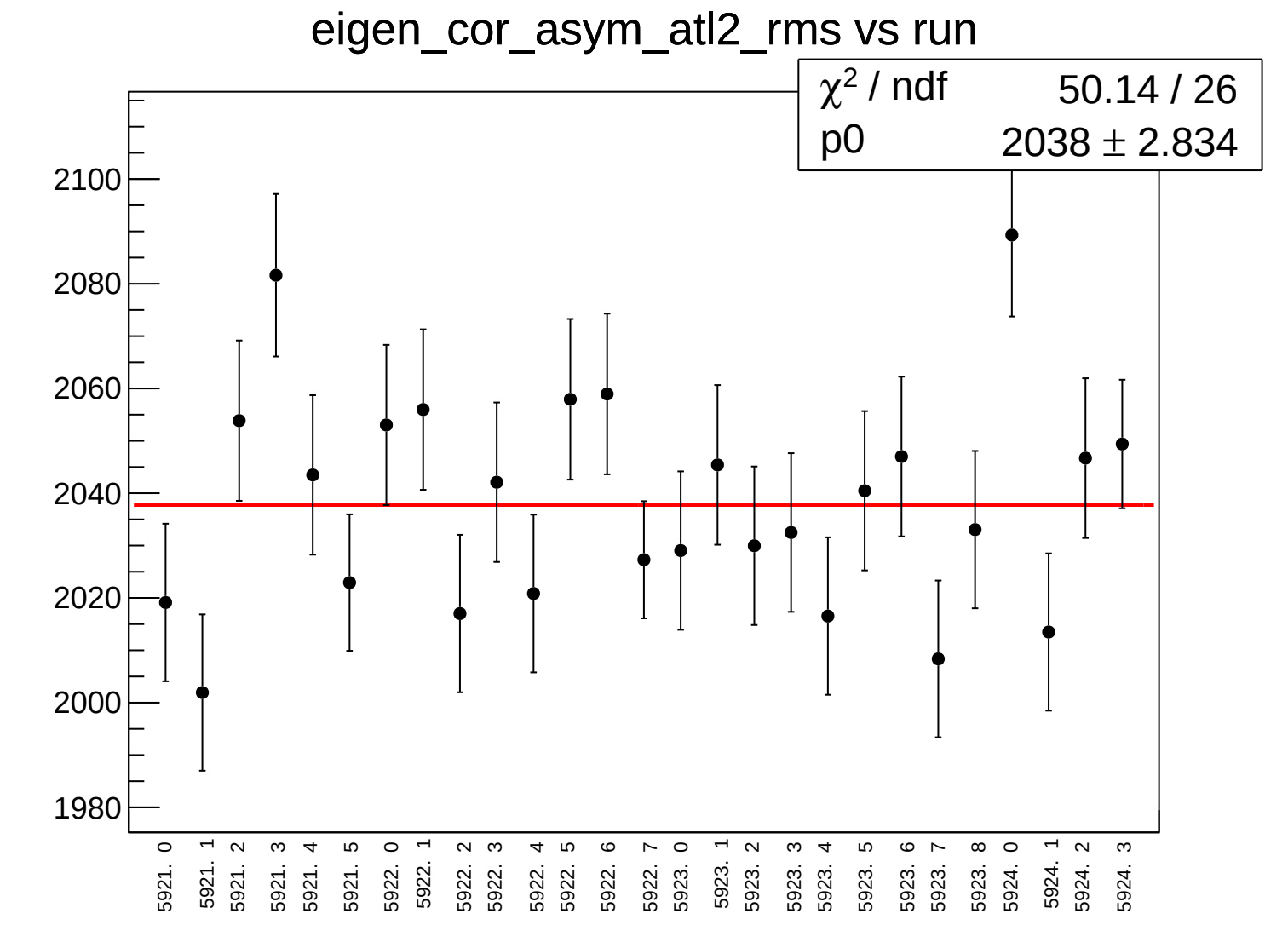

asym_atl2_cor_correction_mean vs run
×10^3
χ² / ndf 27.65 / 26
p0 8401± 1.11e+04
200
150
100
50
0
−50
−100
−150
−200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −472.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

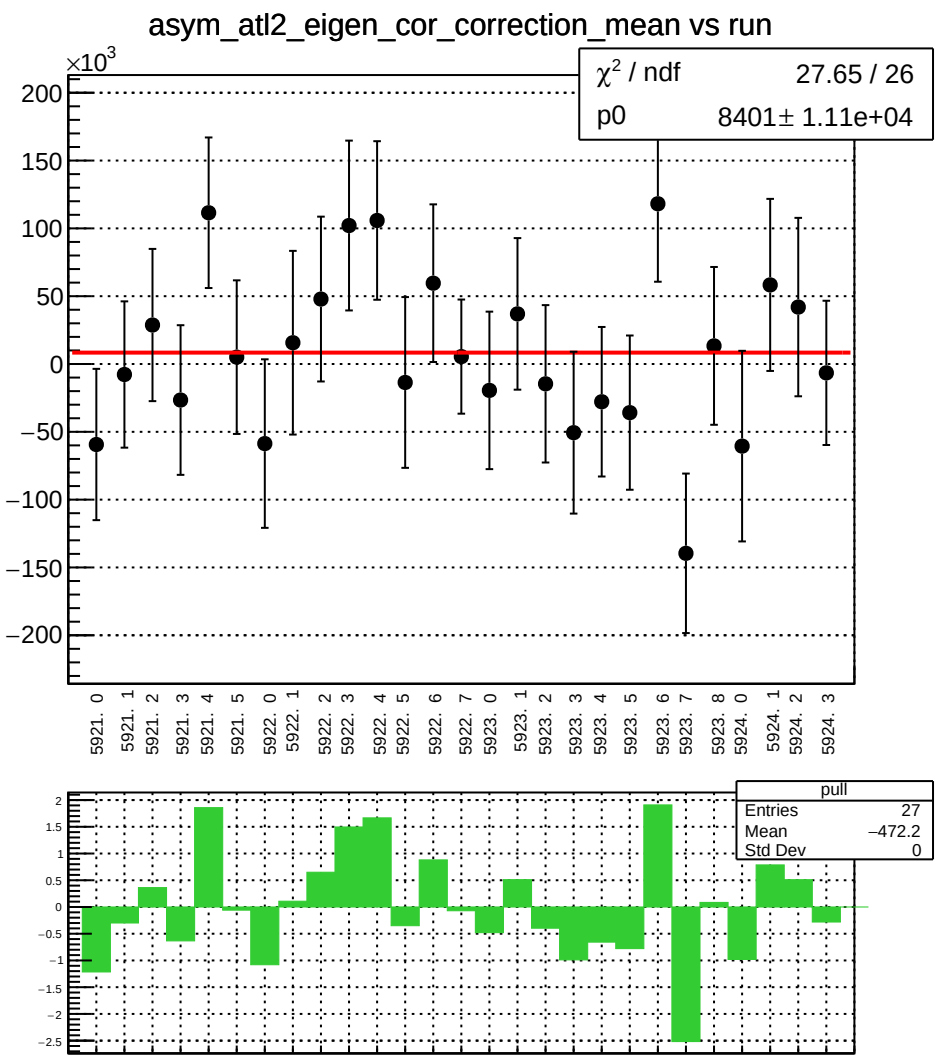

pull1D
Entries 27
Mean 0.001469
Std Dev 1.012
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

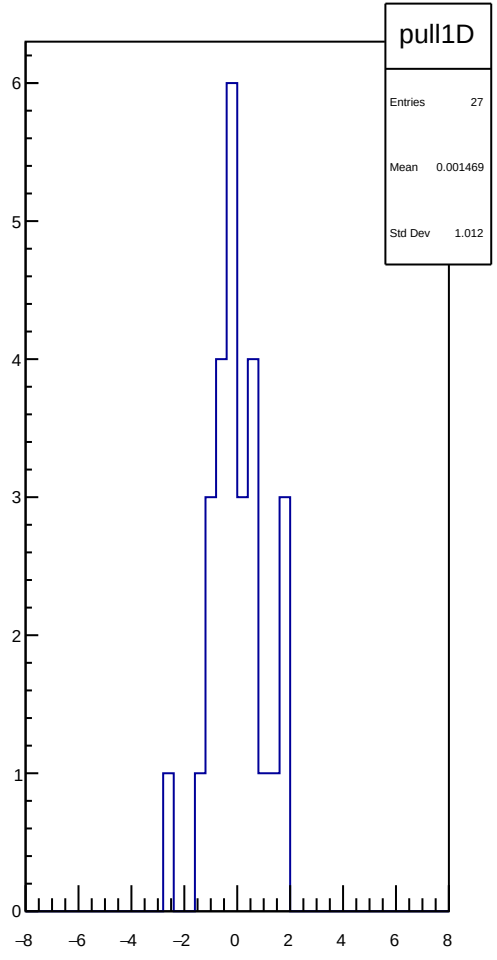

asym_atl2_cor_correction_rms vs run
χ² / ndf 2453 / 26
p0 5632 ± 7.851
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

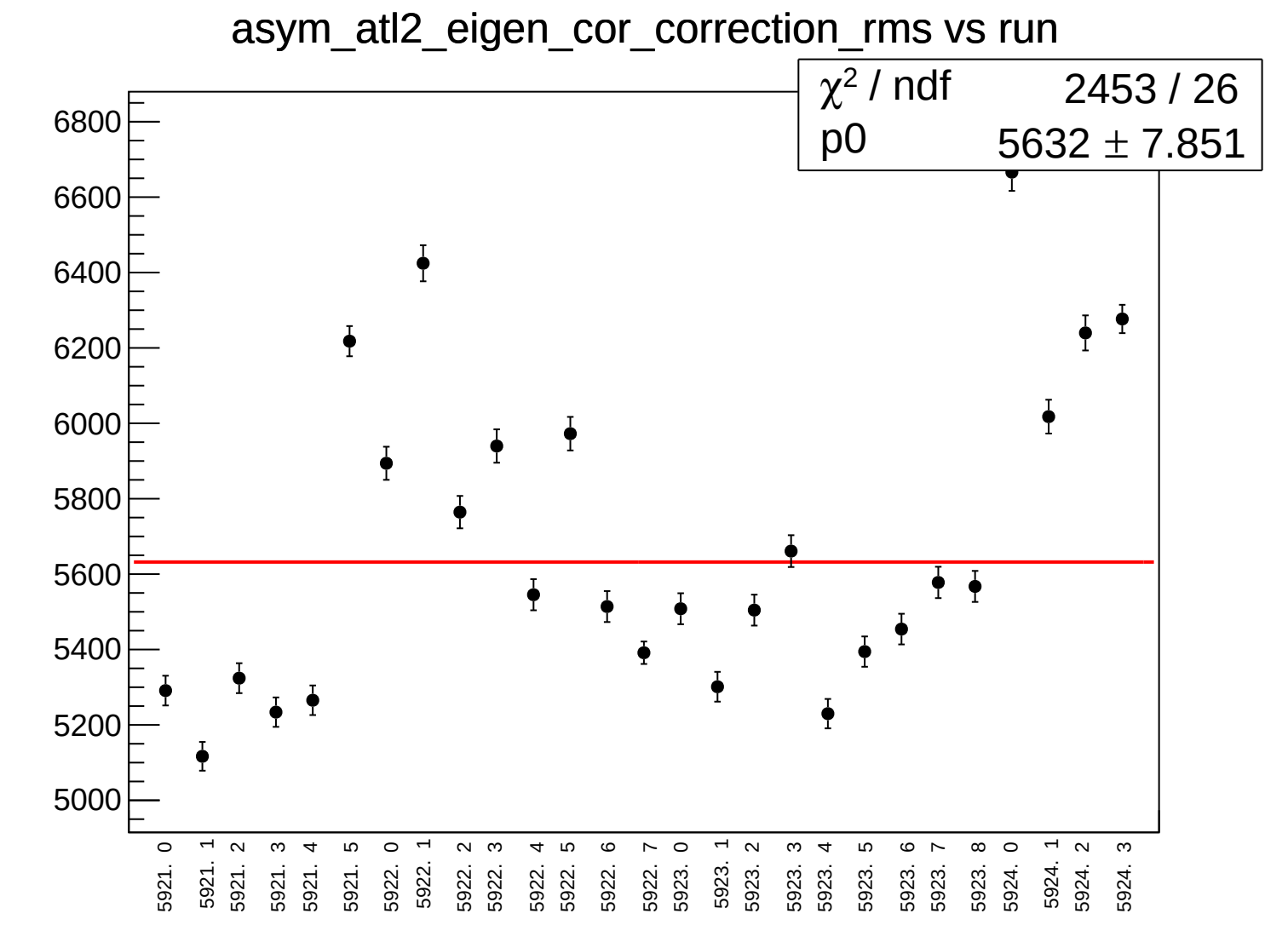

eigen_cor_asym_atl2_mean vs run
χ² / ndf 16.5 / 26
p0 −5130 ± 4008
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 1.119
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

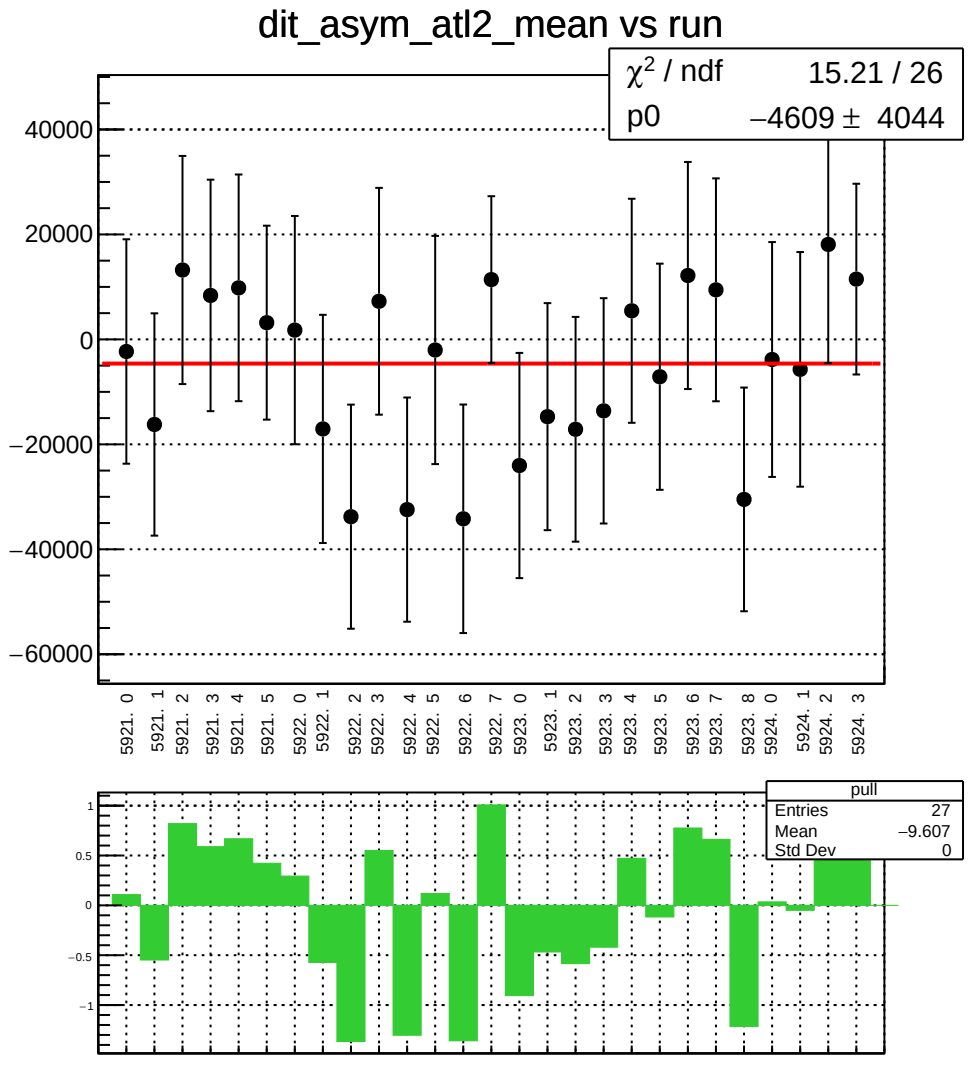

pull1D
Entries 27
Mean −0.02504
Std Dev 0.7813
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

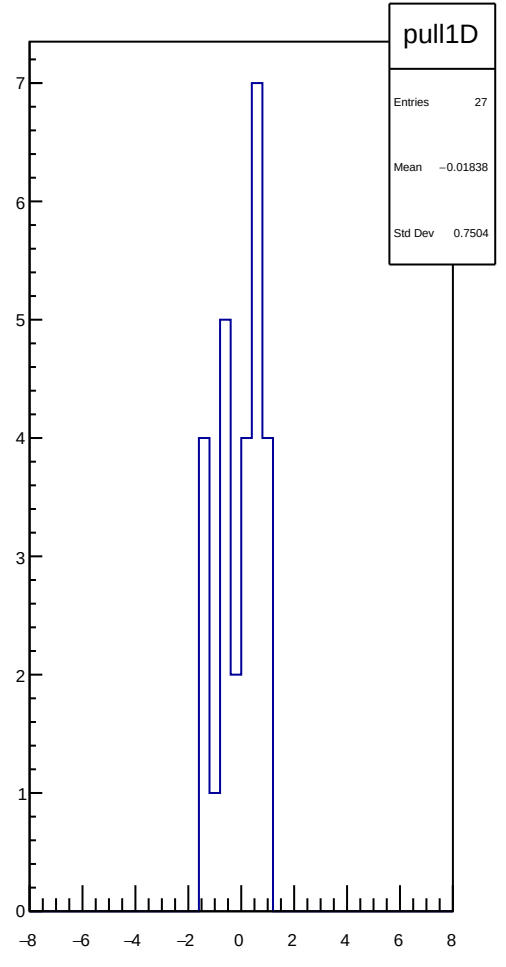

eigen_cor_asym_atl2_rms vs run
χ² / ndf 50.14 / 26
p0 2038 ± 2.834
2100
2080
2060
2040
2020
2000
1980
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

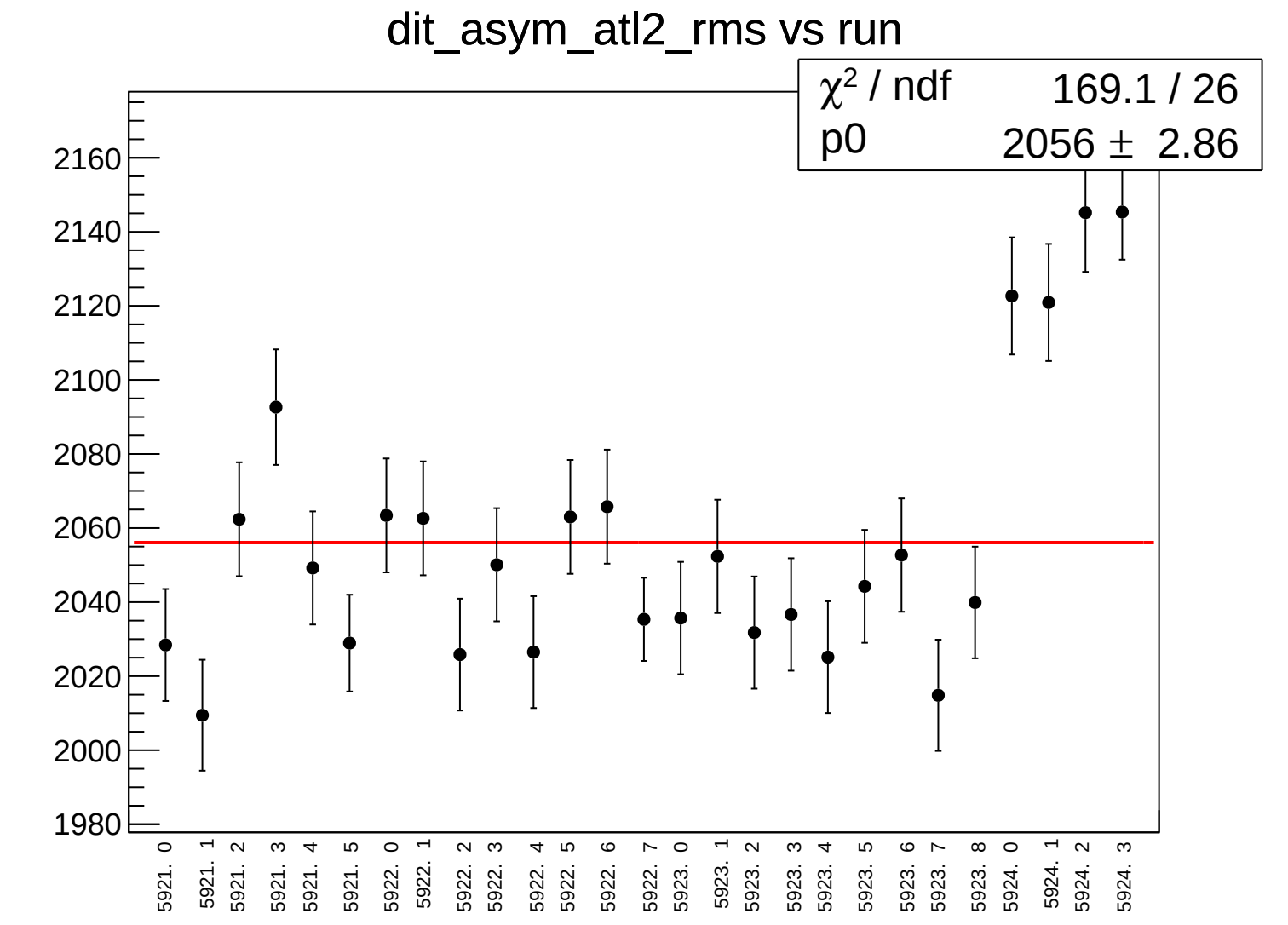

asym_atl2_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 27.65 / 26
p0 8401± 1.11e+04
200
150
100
50
0
−50
−100
−150
−200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −472.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

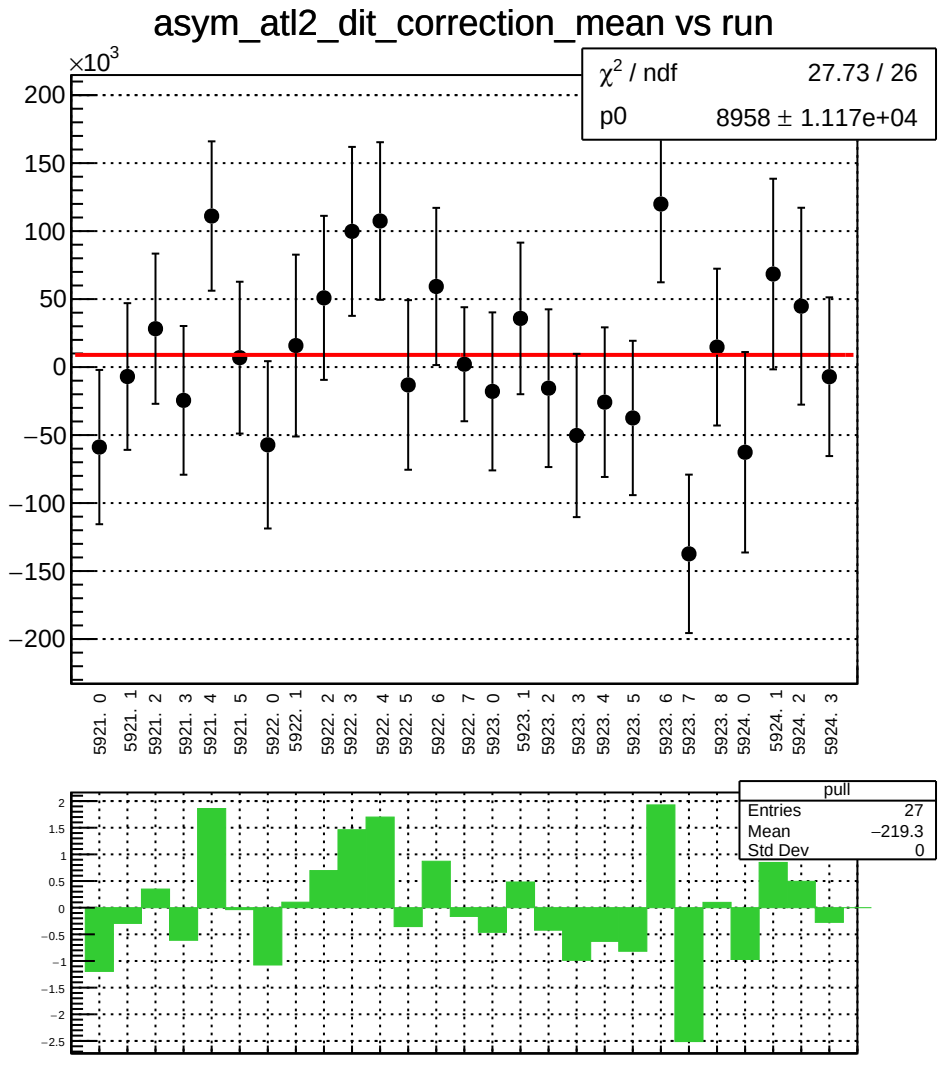

pull1D
Entries 27
Mean 0.001469
Std Dev 1.012
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

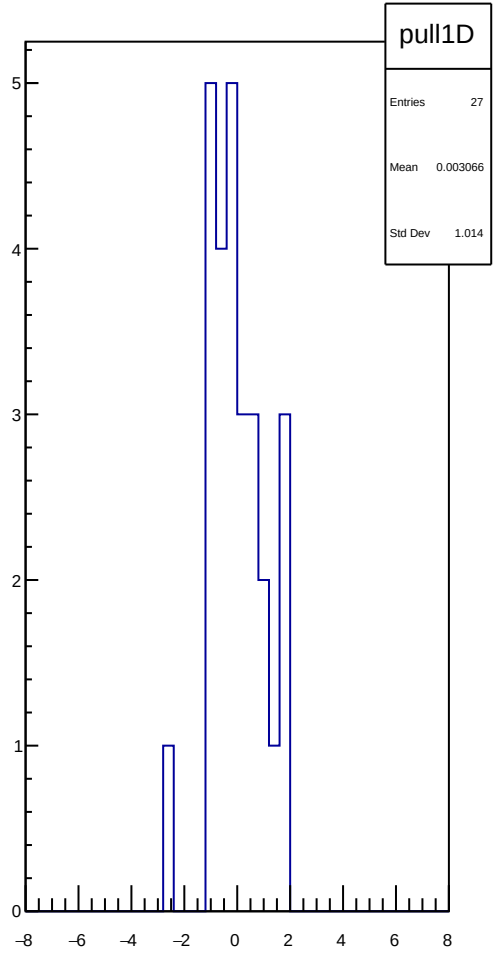

asym_atl2_eigen_cor_correction_rms vs run
χ² / ndf 2453 / 26
p0 5632 ± 7.851
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

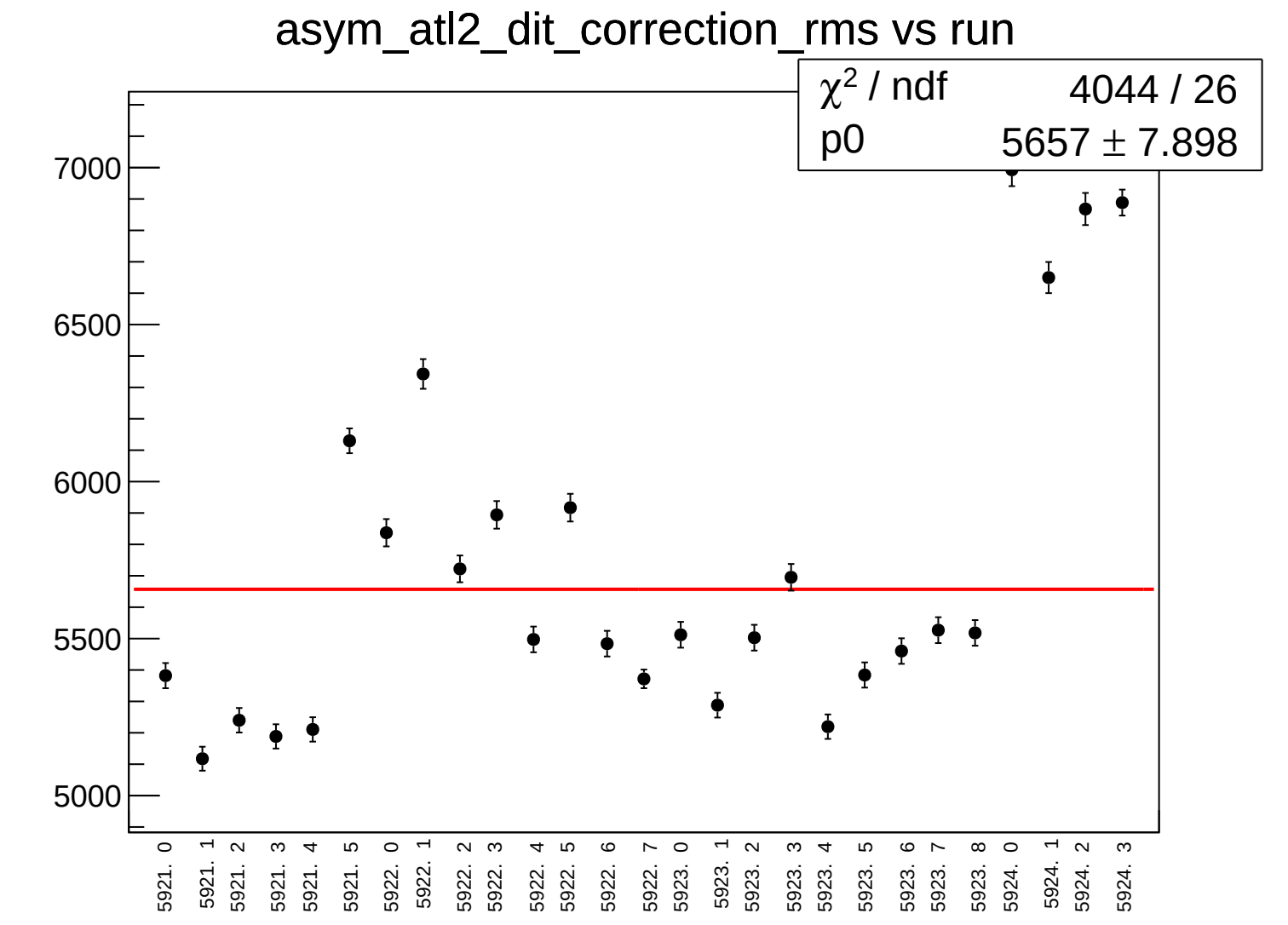

dit_asym_atl2_mean vs run
χ² / ndf 15.21 / 26
p0 −4609 ± 4044
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −9.607
Std Dev 0
1
0.5
0
−0.5
−1

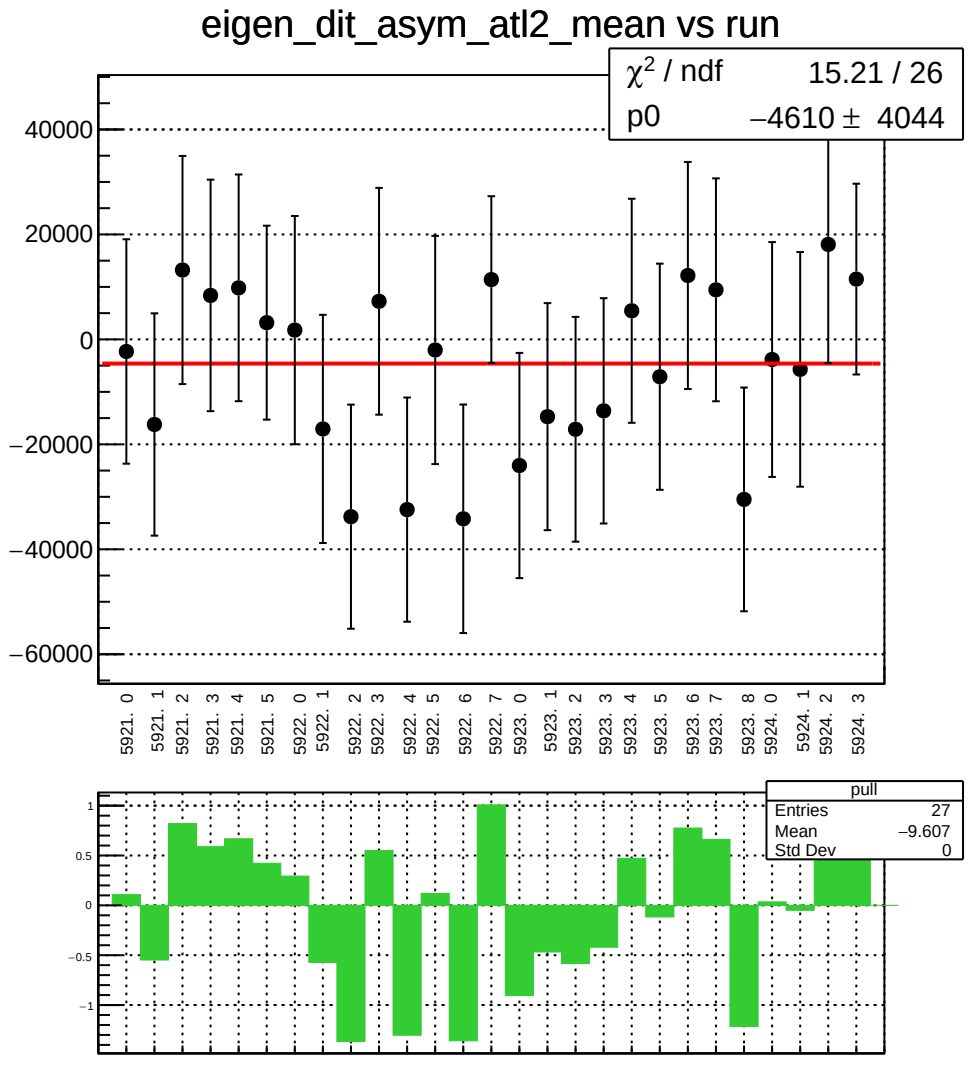

pull1D
Entries 27
Mean −0.01838
Std Dev 0.7504
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

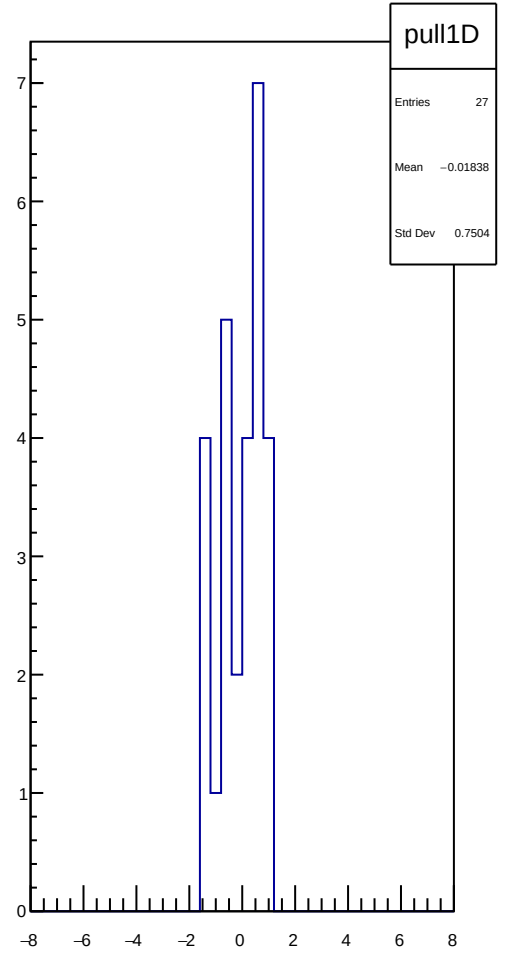

dit_asym_atl2_rms vs run
χ² / ndf 169.1 / 26
p0 2056 ± 2.86
2160
2140
2120
2100
2080
2060
2040
2020
2000
1980
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

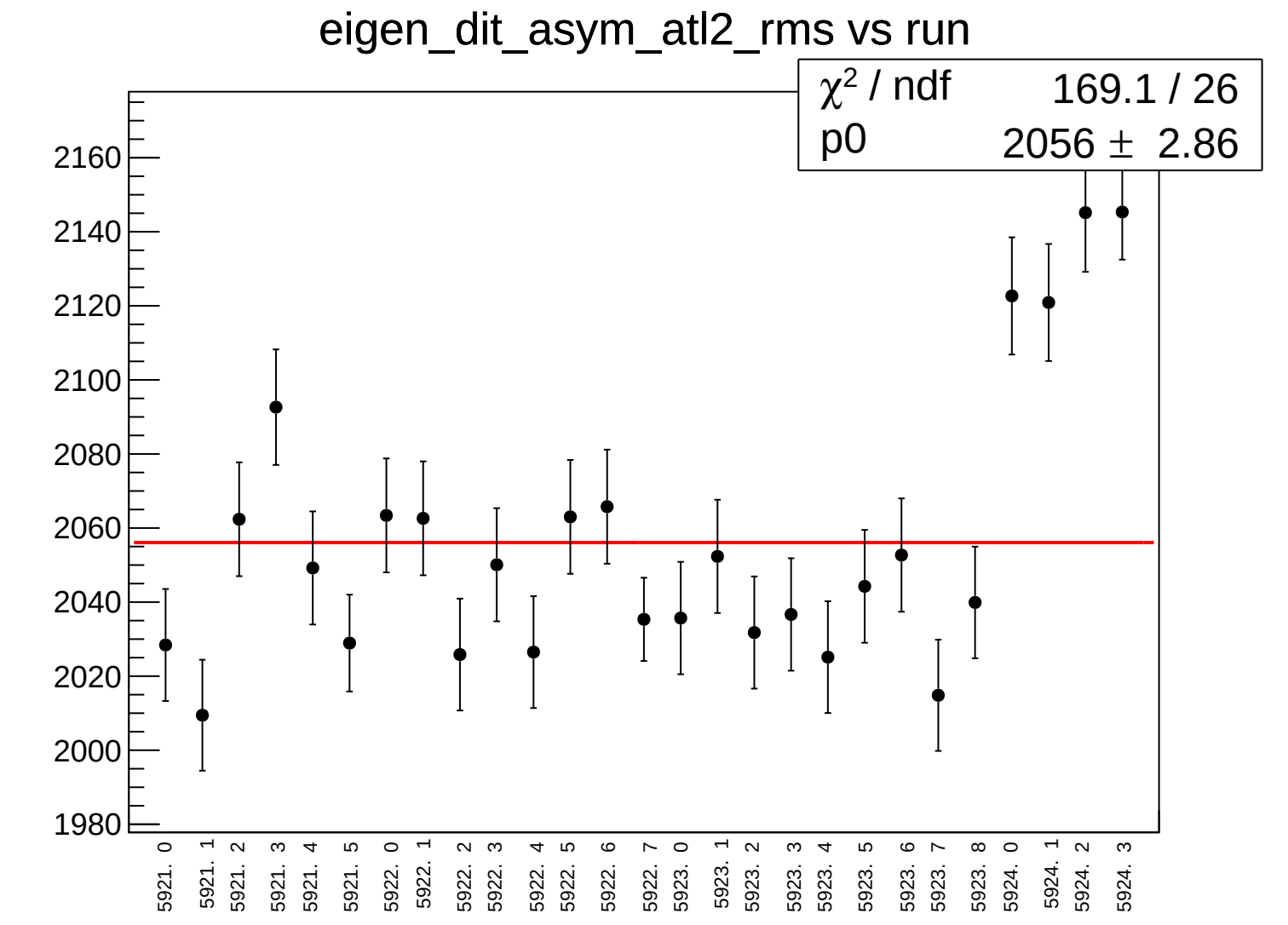

asym_atl2_dit_correction_mean vs run
×10^3
χ² / ndf 27.73 / 26
p0 8958 ± 1.117e+04
200
150
100
50
0
−50
−100
−150
−200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −219.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

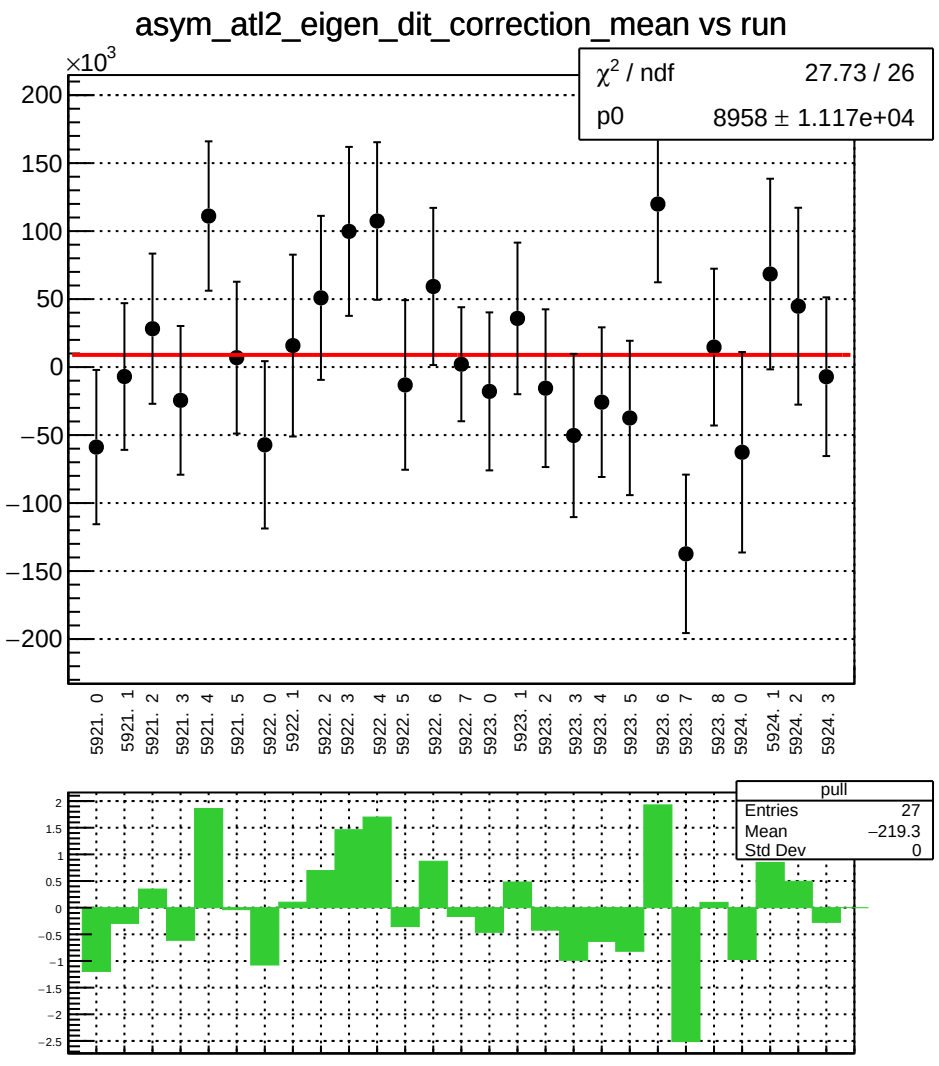

pull1D
Entries 27
Mean 0.003066
Std Dev 1.014
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

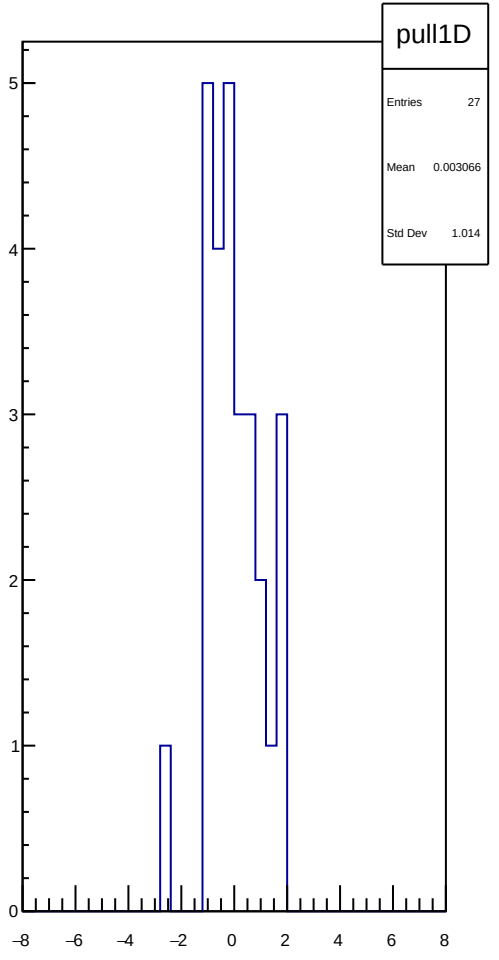

asym_atl2_dit_correction_rms vs run
χ² / ndf 4044 / 26
p0 5657 ± 7.898
7000
6500
6000
5500
5000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

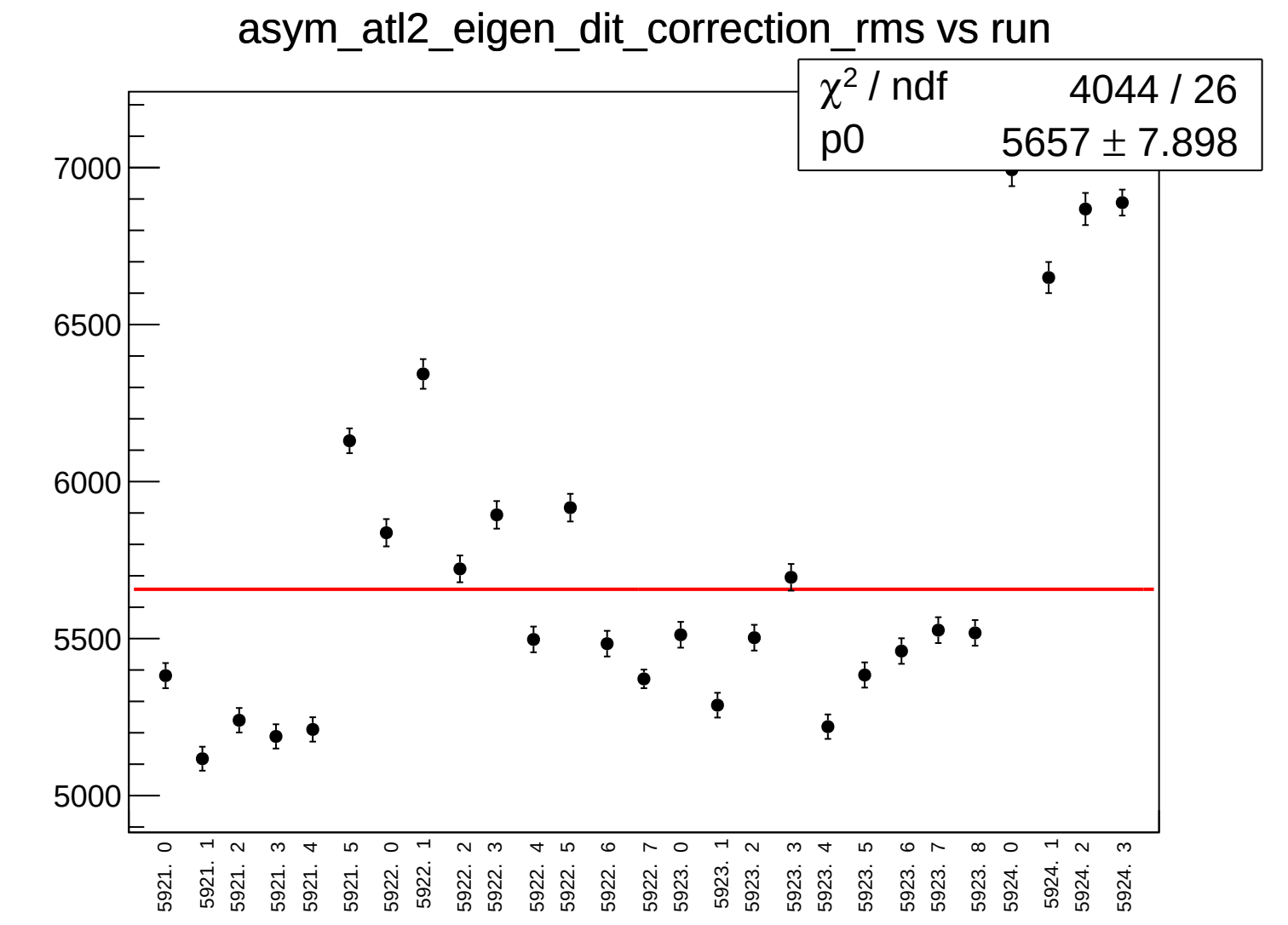

eigen_dit_asym_atl2_mean vs run
χ² / ndf 15.21 / 26
p0 −4610 ± 4044
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −9.607
Std Dev 0
1
0.5
0
−0.5
−1

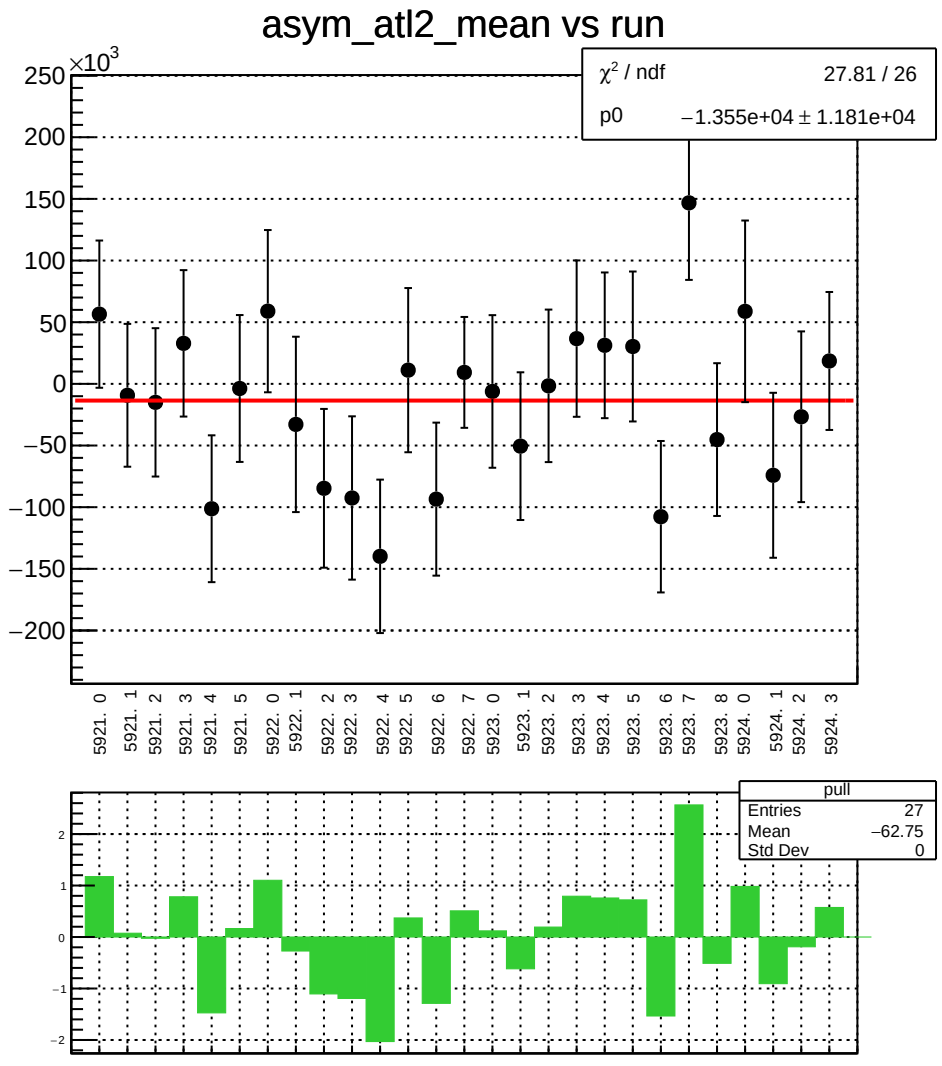

pull1D
Entries 27
Mean −0.01838
Std Dev 0.7504
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

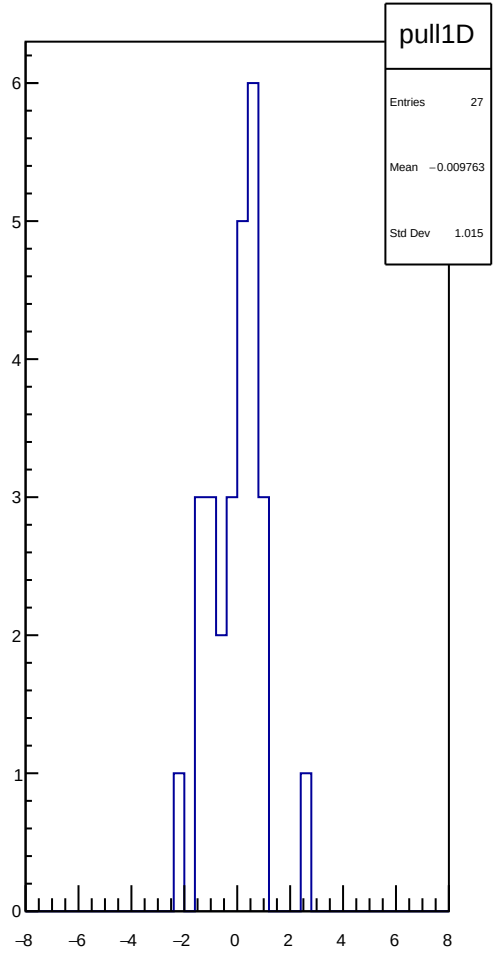

eigen_dit_asym_atl2_rms vs run
χ² / ndf 169.1 / 26
p0 2056 ± 2.86
2160
2140
2120
2100
2080
2060
2040
2020
2000
1980
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

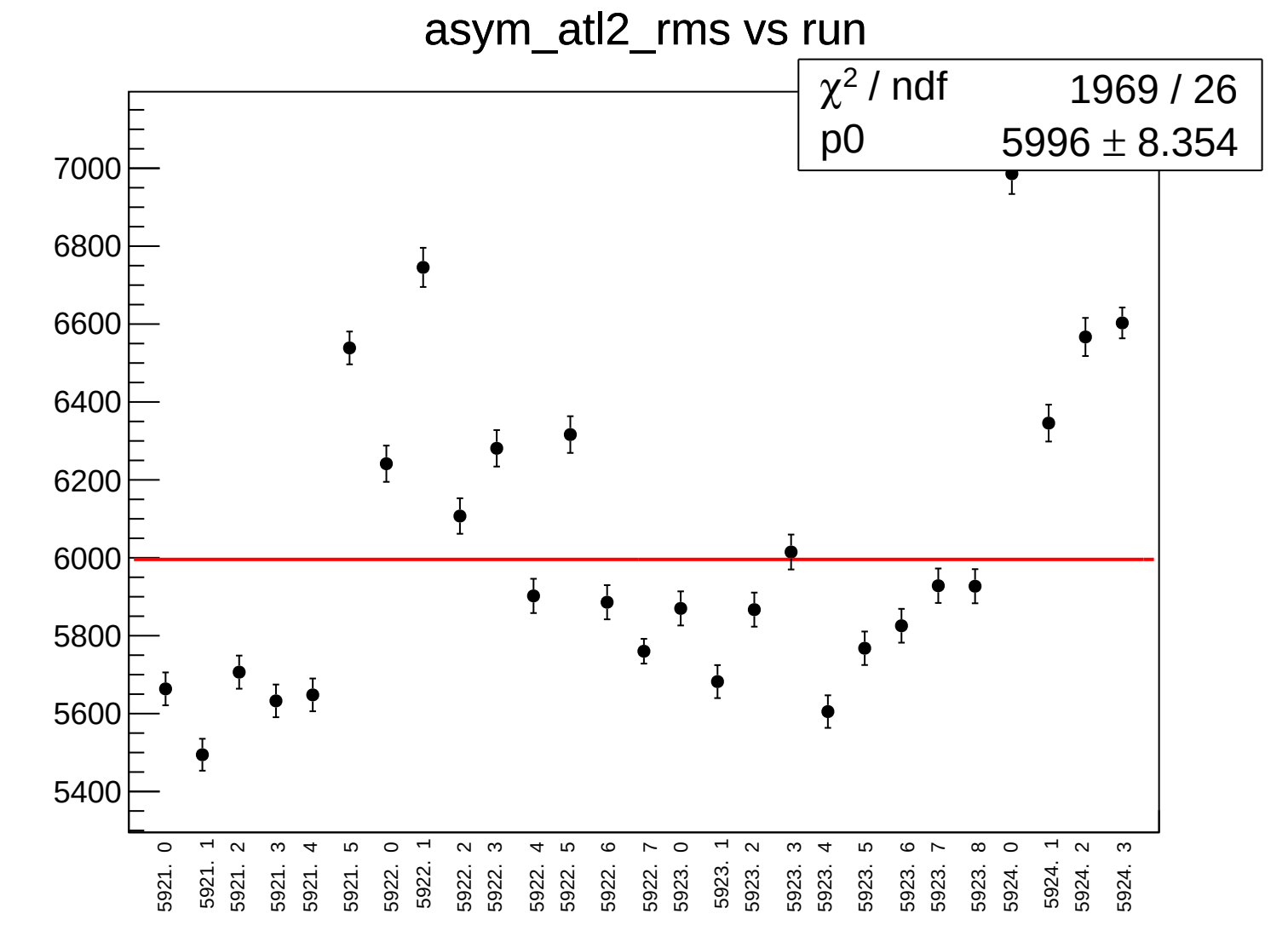

asym_atl2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 27.73 / 26
p0 8958 ± 1.117e+04
200
150
100
50
0
−50
−100
−150
−200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −219.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

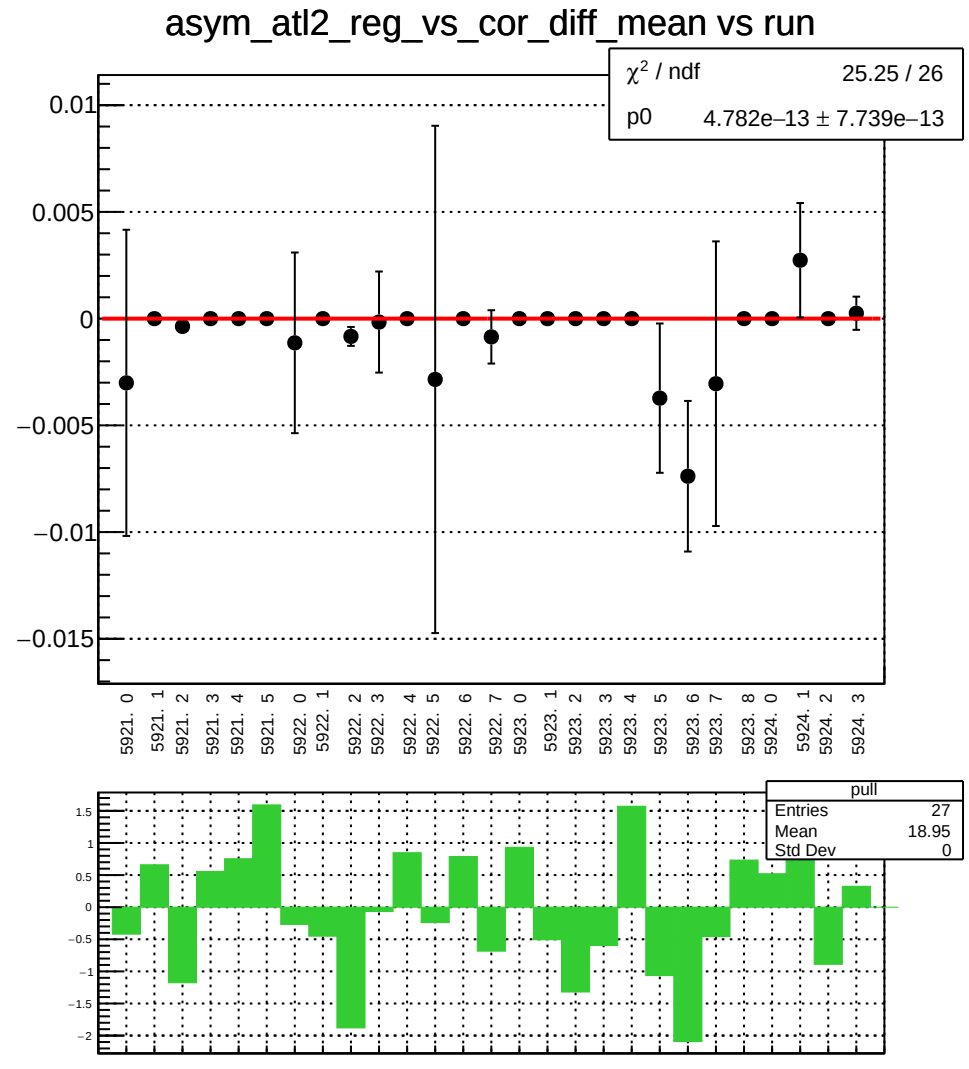

pull1D
Entries 27
Mean 0.003066
Std Dev 1.014
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

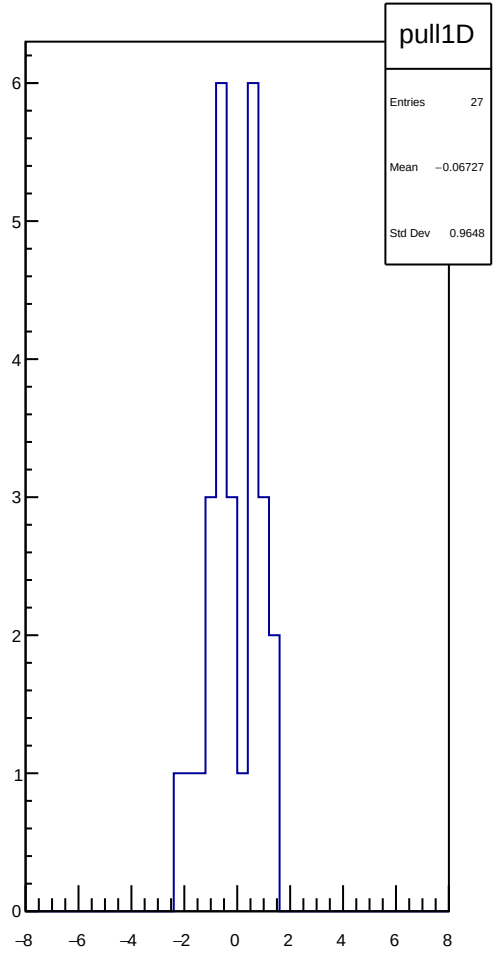

asym_atl2_eigen_dit_correction_rms vs run
χ² / ndf 4044 / 26
p0 5657 ± 7.898
7000
6500
6000
5500
5000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

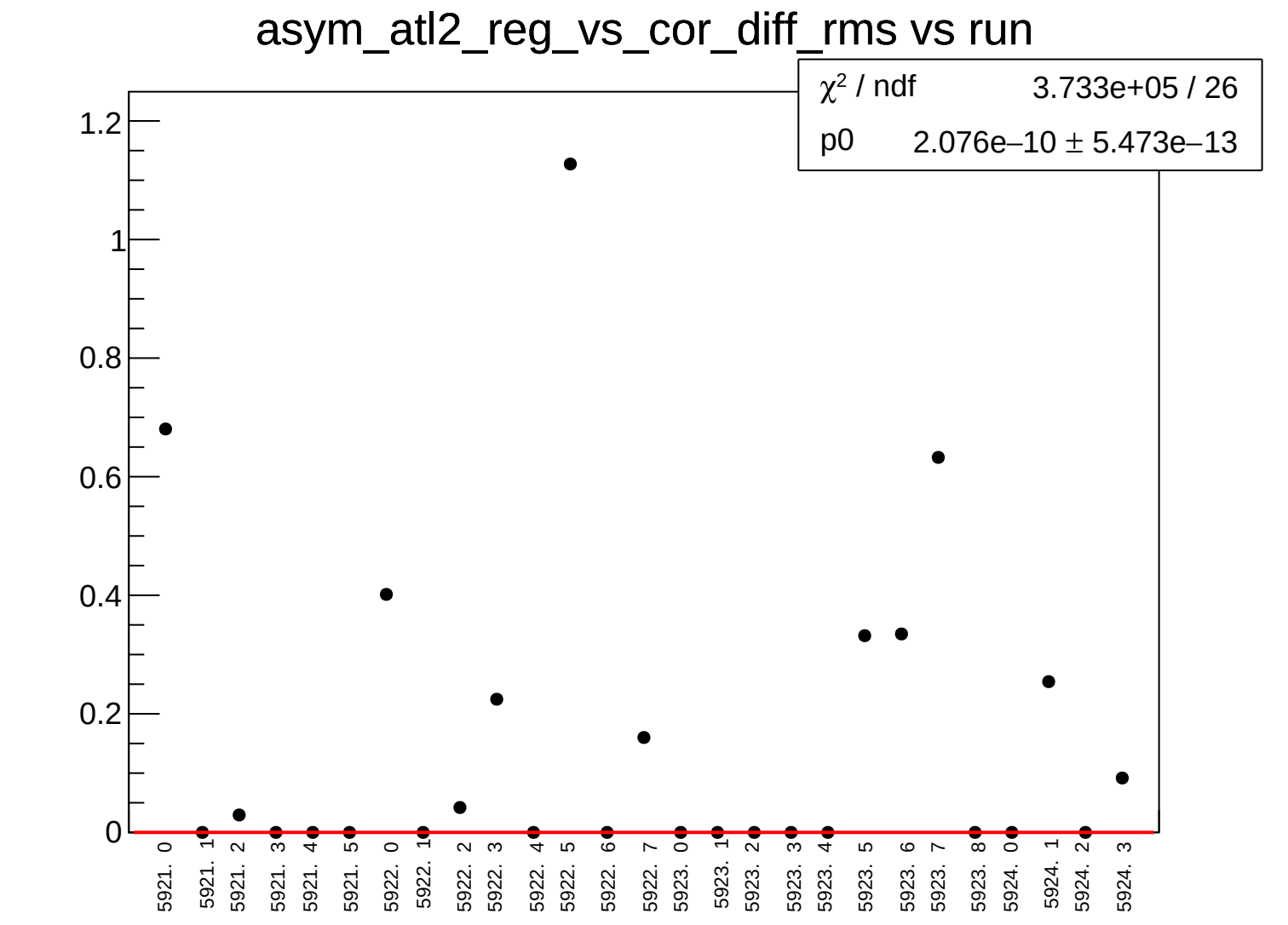

asym_atl2_mean vs run
×10^3
χ² / ndf 27.81 / 26
p0 −1.355e+04 ± 1.181e+04
250
200
150
100
50
0
−50
−100
−150
−200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −62.75
Std Dev 0
2
1
0
−1
−2

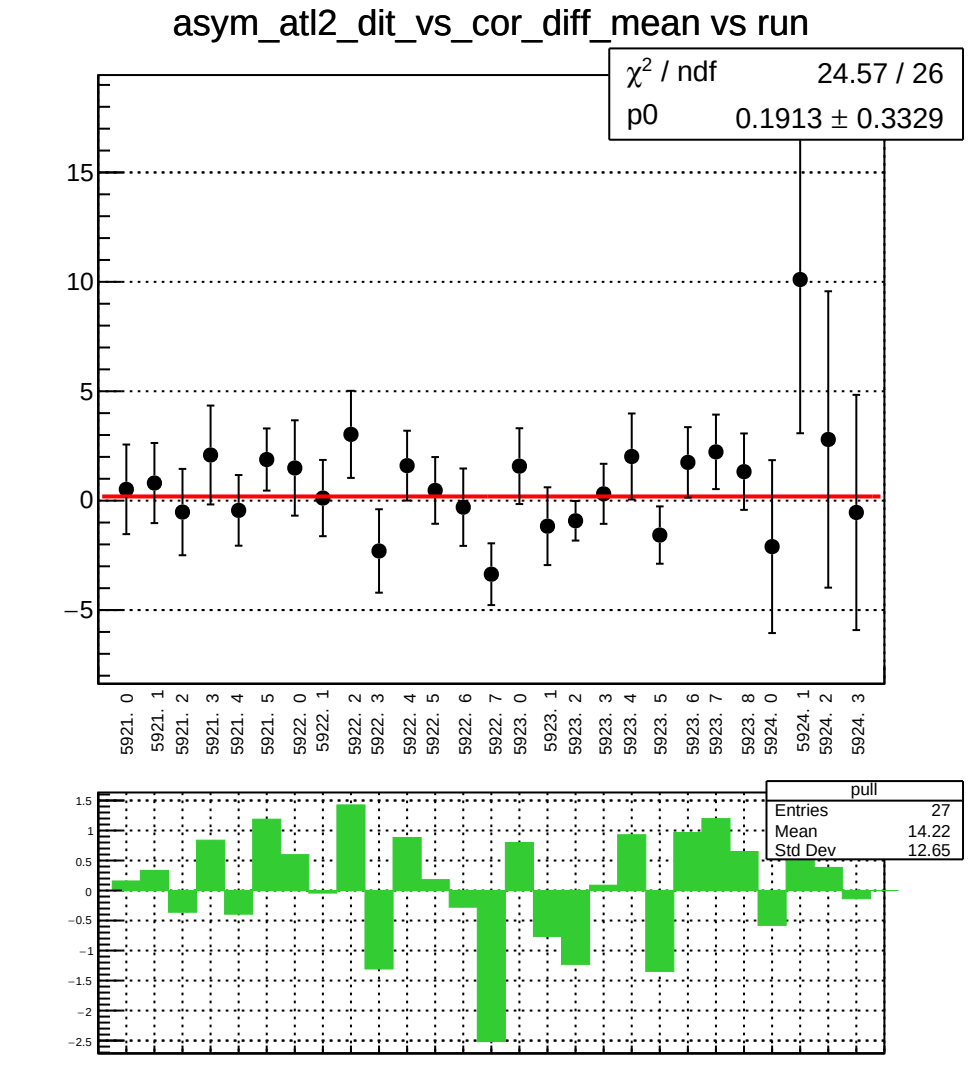

pull1D
Entries 27
Mean −0.009763
Std Dev 1.015
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

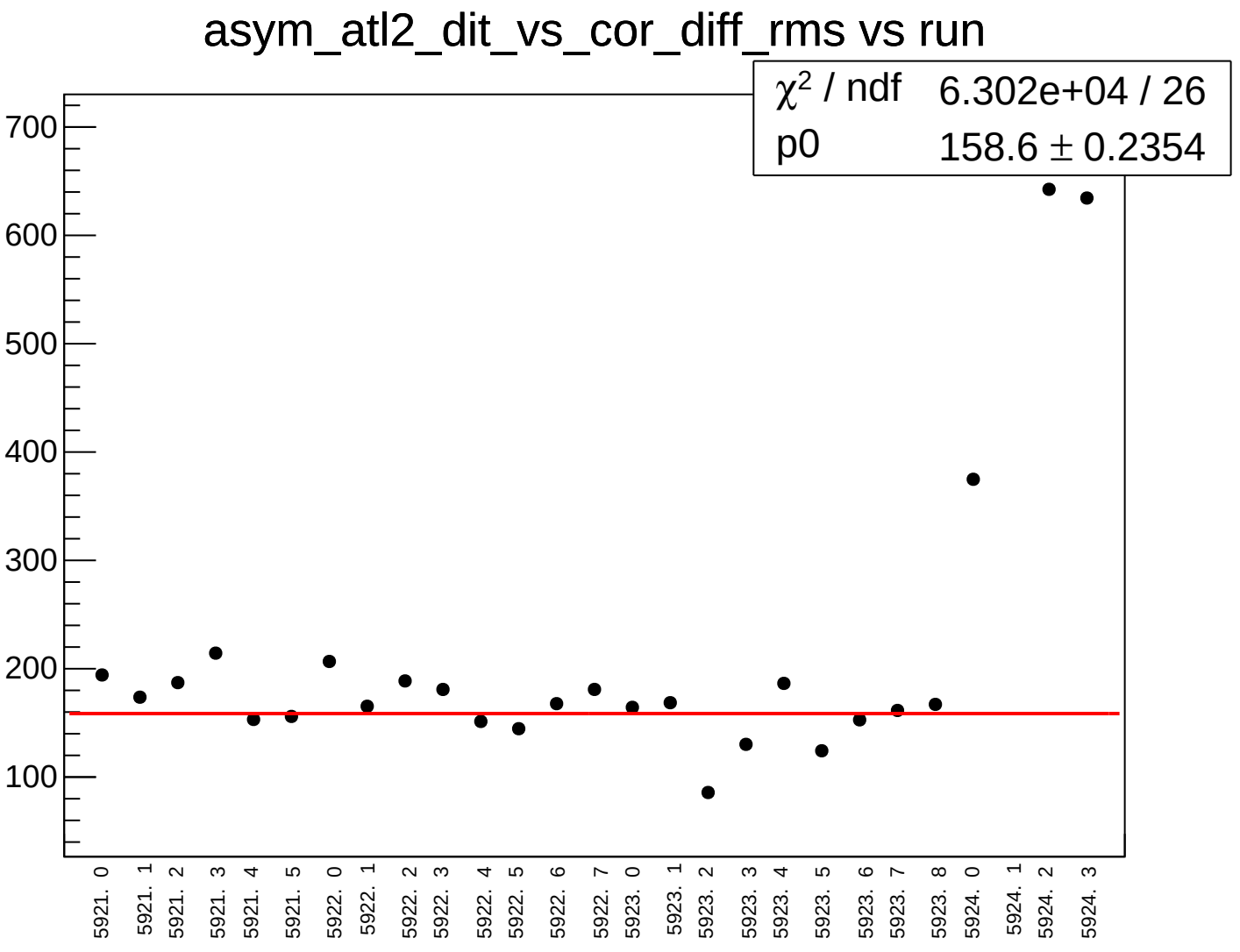

asym_atl2_rms vs run
χ² / ndf 1969 / 26
p0 5996 ± 8.354
7000
6800
6600
6400
6200
6000
5800
5600
5400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

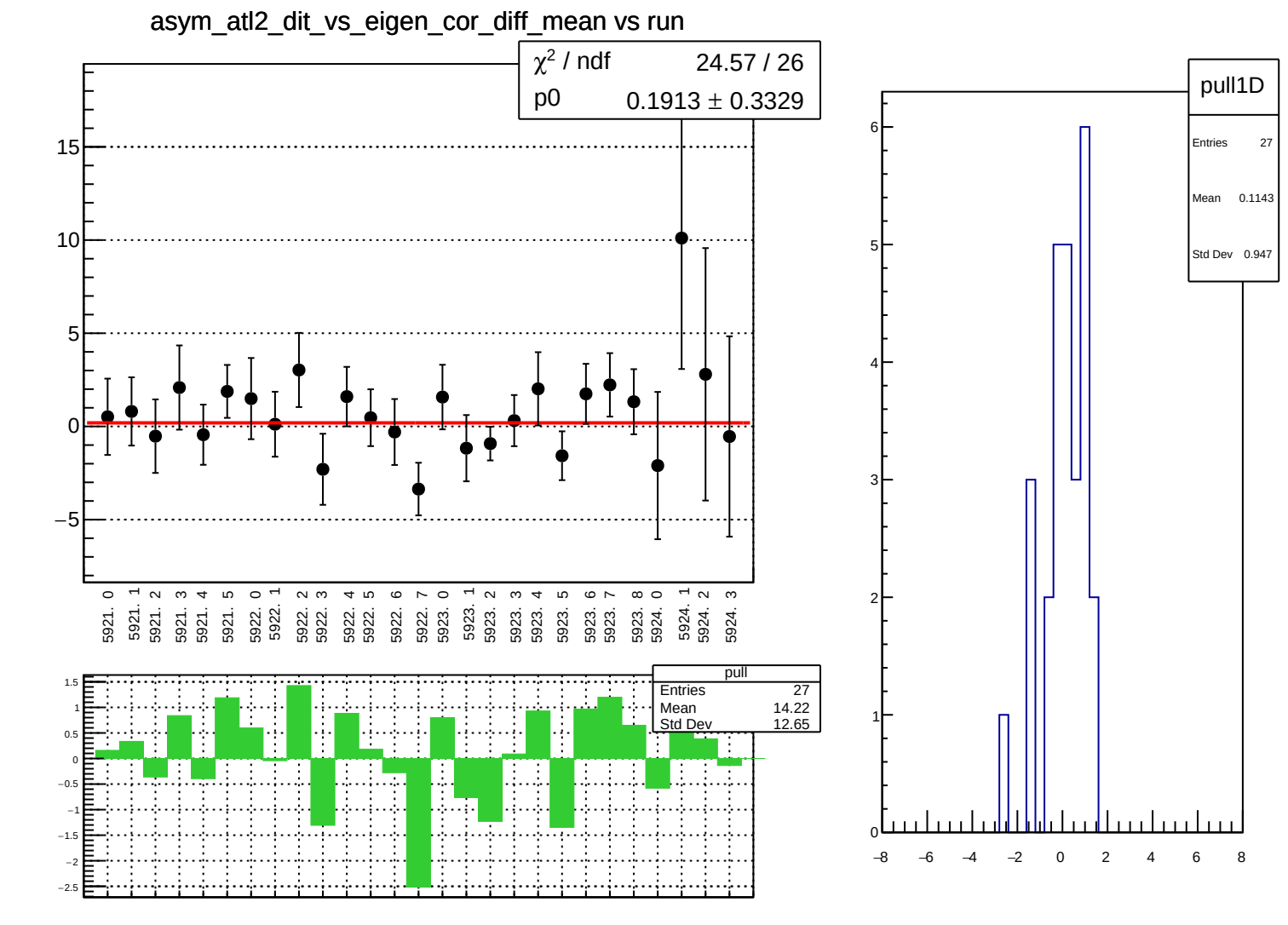

asym_atl2_reg_vs_cor_diff_mean vs run
χ² / ndf 25.25 / 26
p0 4.782e−13 ± 7.739e−13
0.01
0.005
0
−0.005
−0.01
−0.015
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 18.95
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

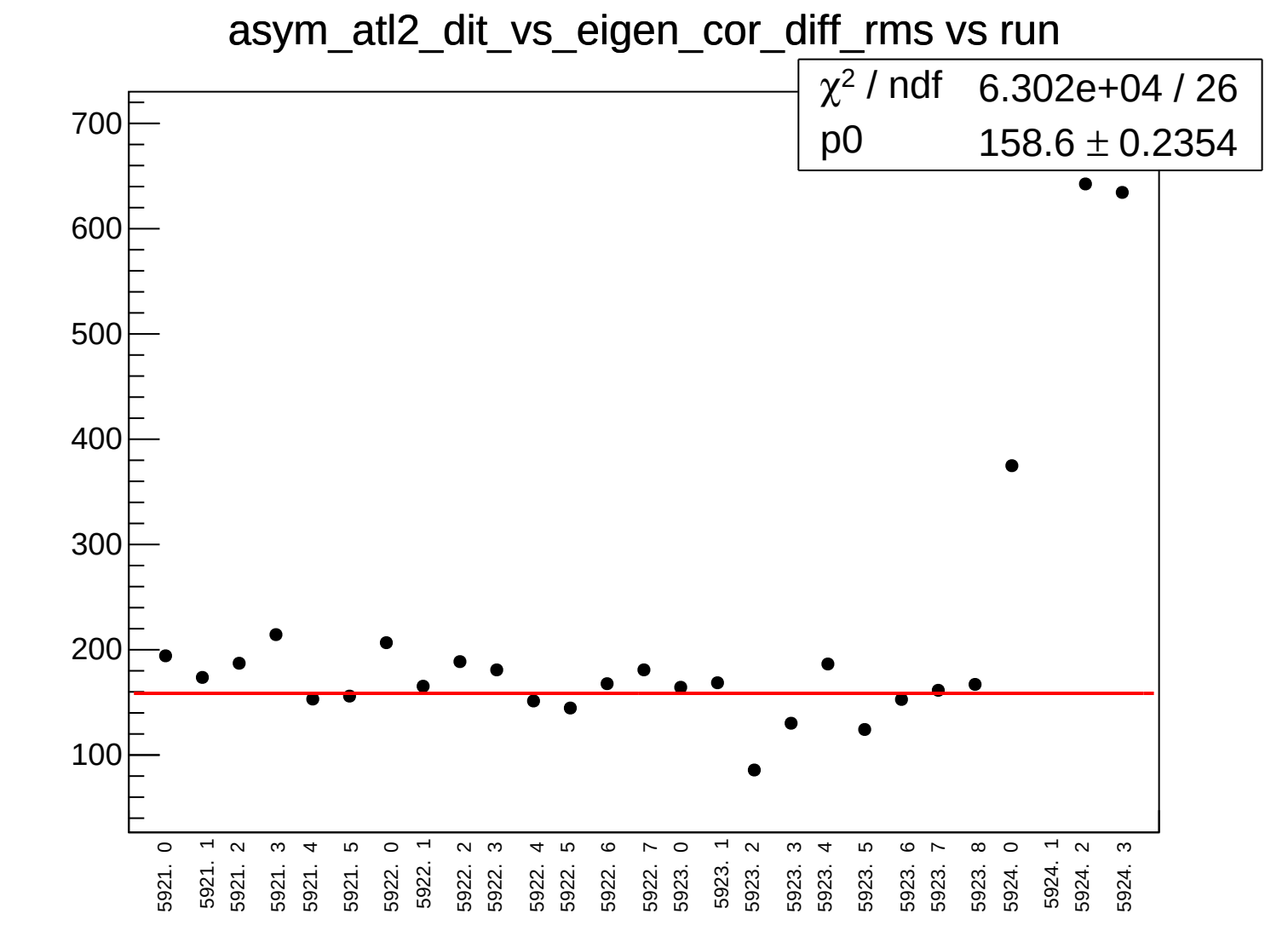

pull1D
Entries 27
Mean −0.06727
Std Dev 0.9648
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

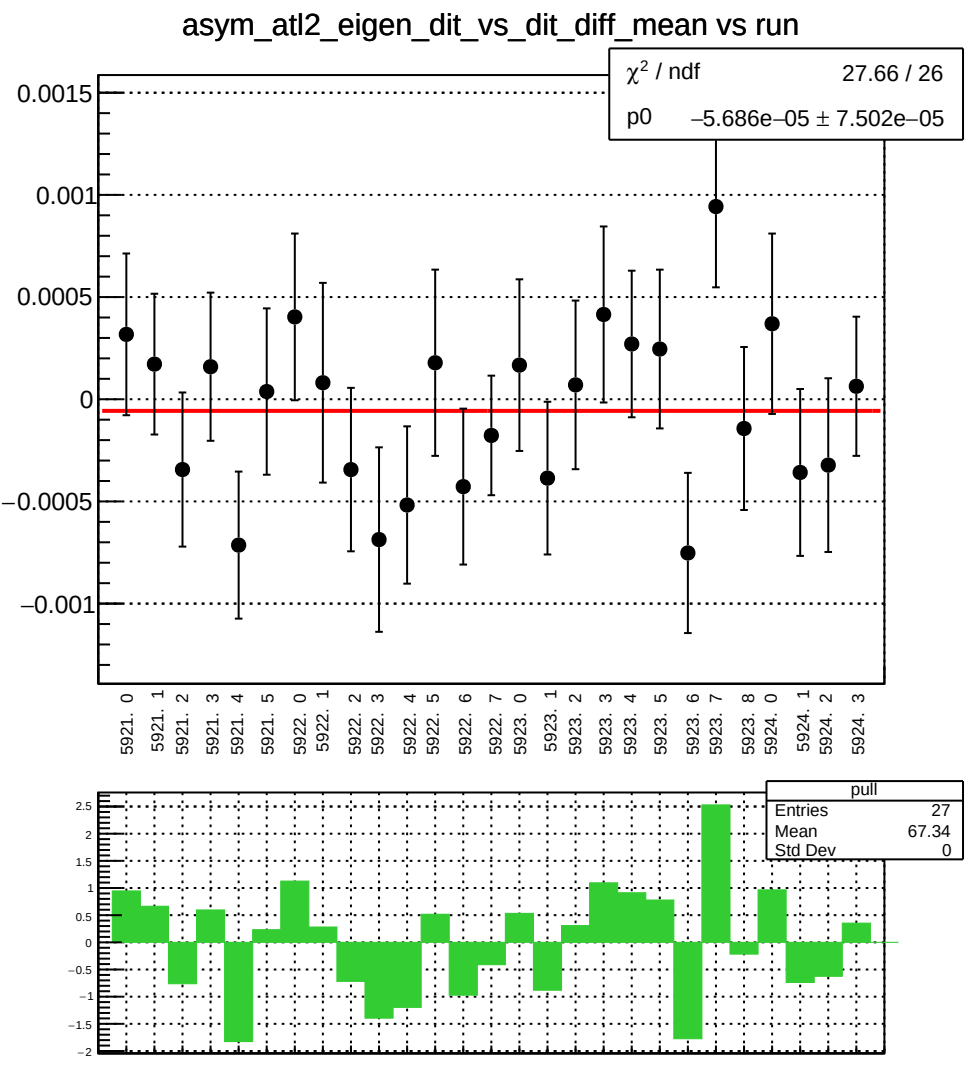

asym_atl2_reg_vs_cor_diff_rms vs run
χ² / ndf 3.733e+05 / 26
p0 2.076e−10 ± 5.473e−13
1.2
1
0.8
0.6
0.4
0.2
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

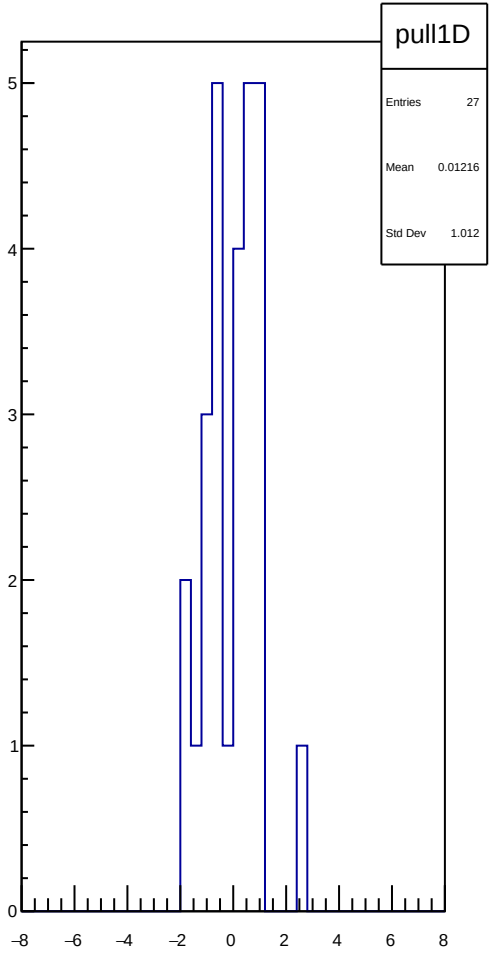

asym_atl2_dit_vs_cor_diff_mean vs run
χ² / ndf 24.57 / 26
p0 0.1913 ± 0.3329
15
10
5
0
−5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 14.22
Std Dev 12.65
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean 0.1143
Std Dev 0.947
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

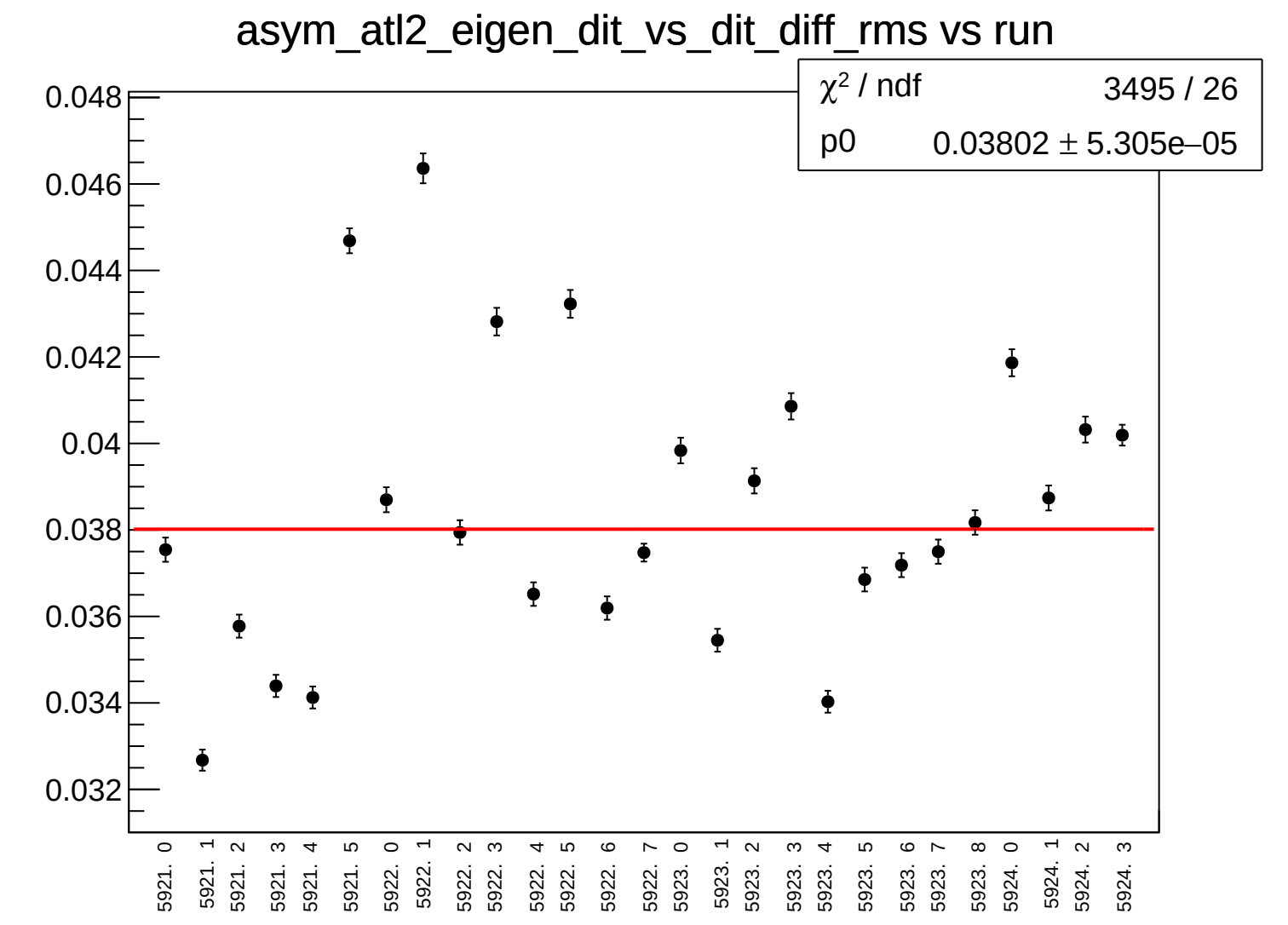

asym_atl2_dit_vs_cor_diff_rms vs run
χ² / ndf 6.302e+04 / 26
p0 158.6 ± 0.2354
700
600
500
400
300
200
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

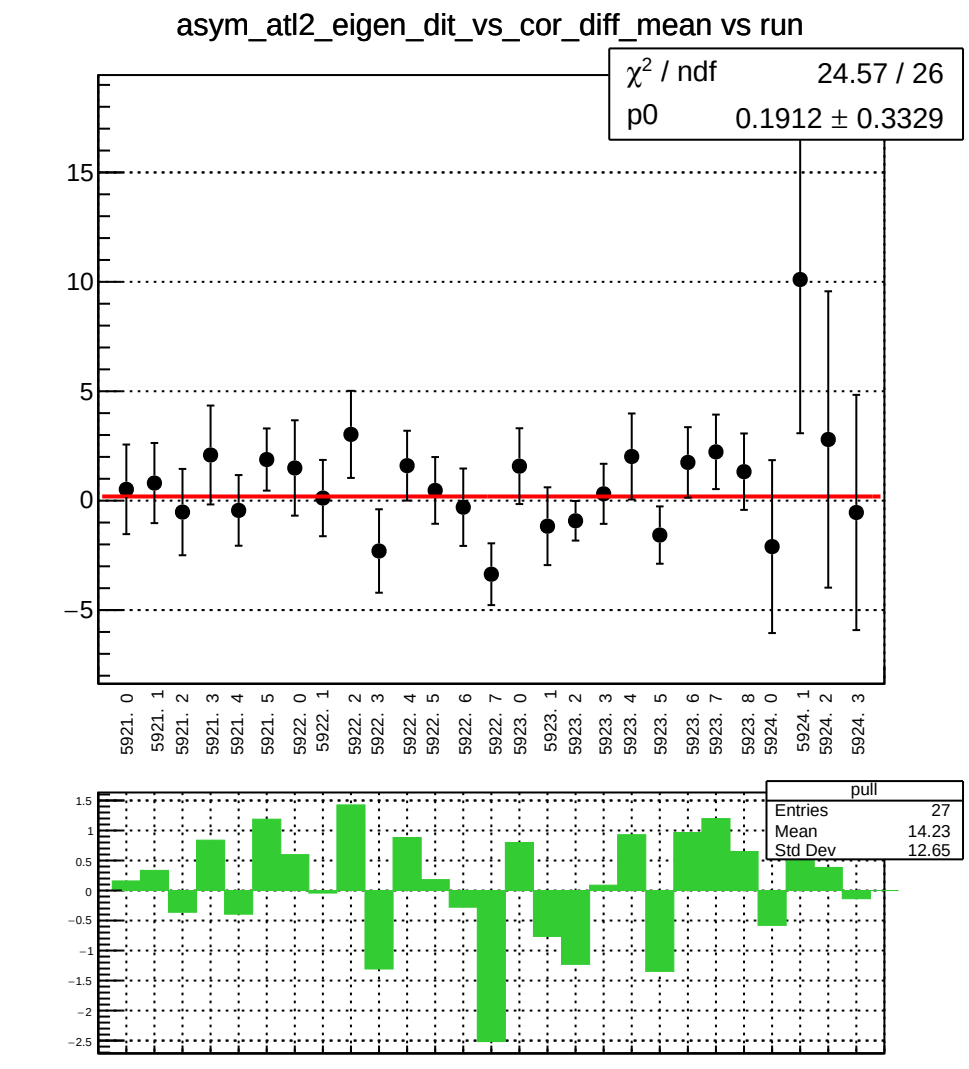

asym_atl2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 24.57 / 26
p0 0.1913 ± 0.3329
15
10
5
0
−5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 14.22
Std Dev 12.65
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean 0.1143
Std Dev 0.947
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

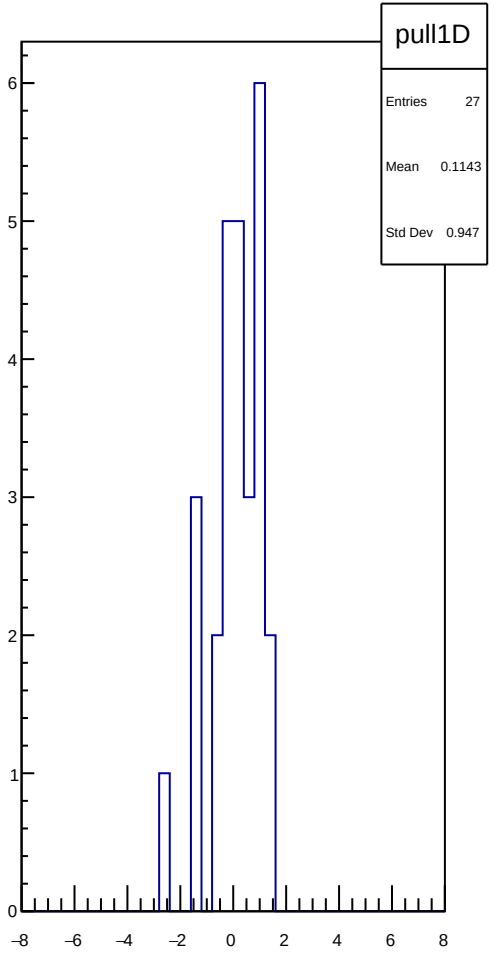

asym_atl2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.302e+04 / 26
p0 158.6 ± 0.2354
700
600
500
400
300
200
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

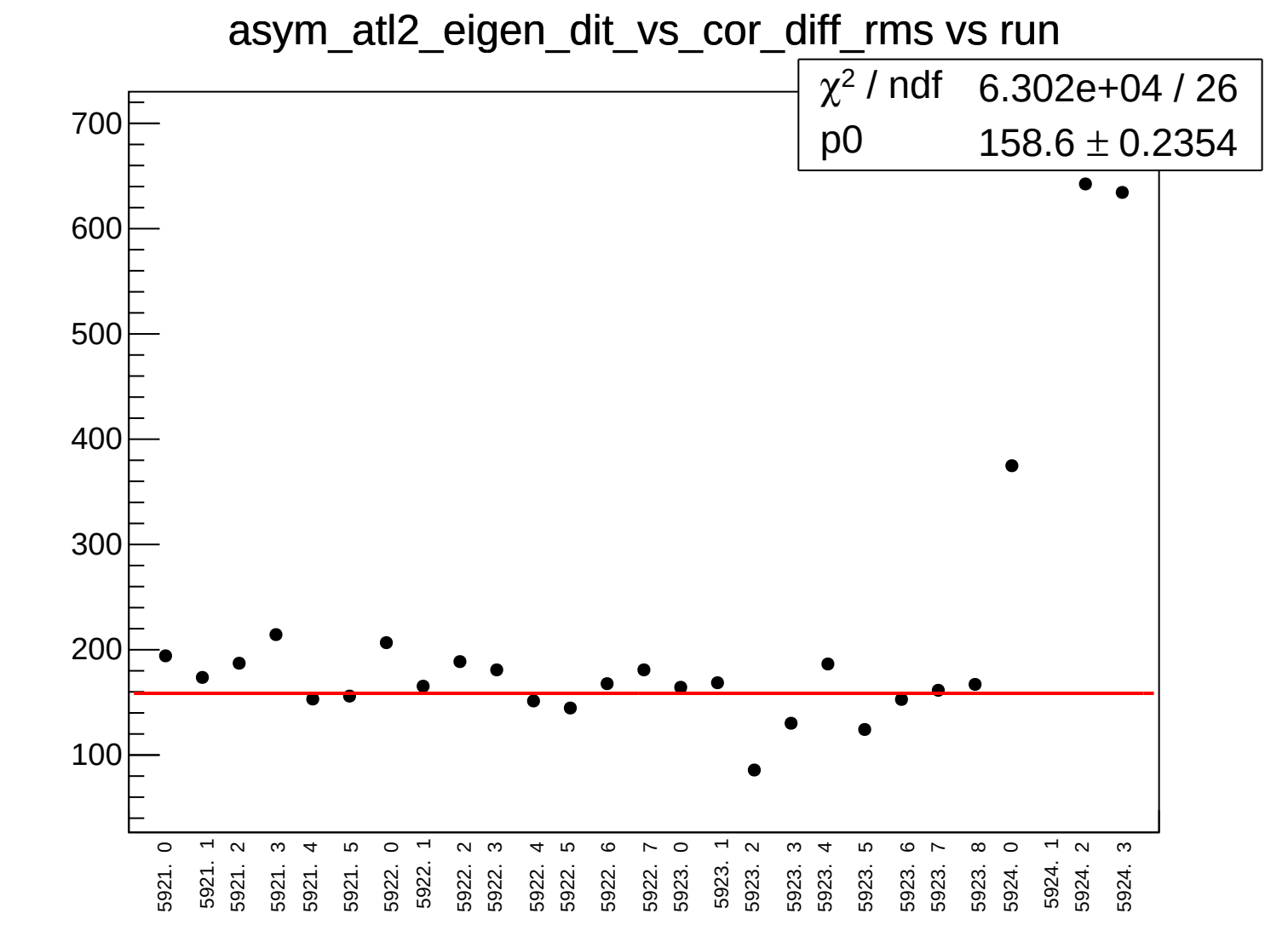

asym_atl2_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 27.66 / 26
p0 −5.686e−05 ± 7.502e−05
0.0015
0.001
0.0005
0
−0.0005
−0.001
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 67.34
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

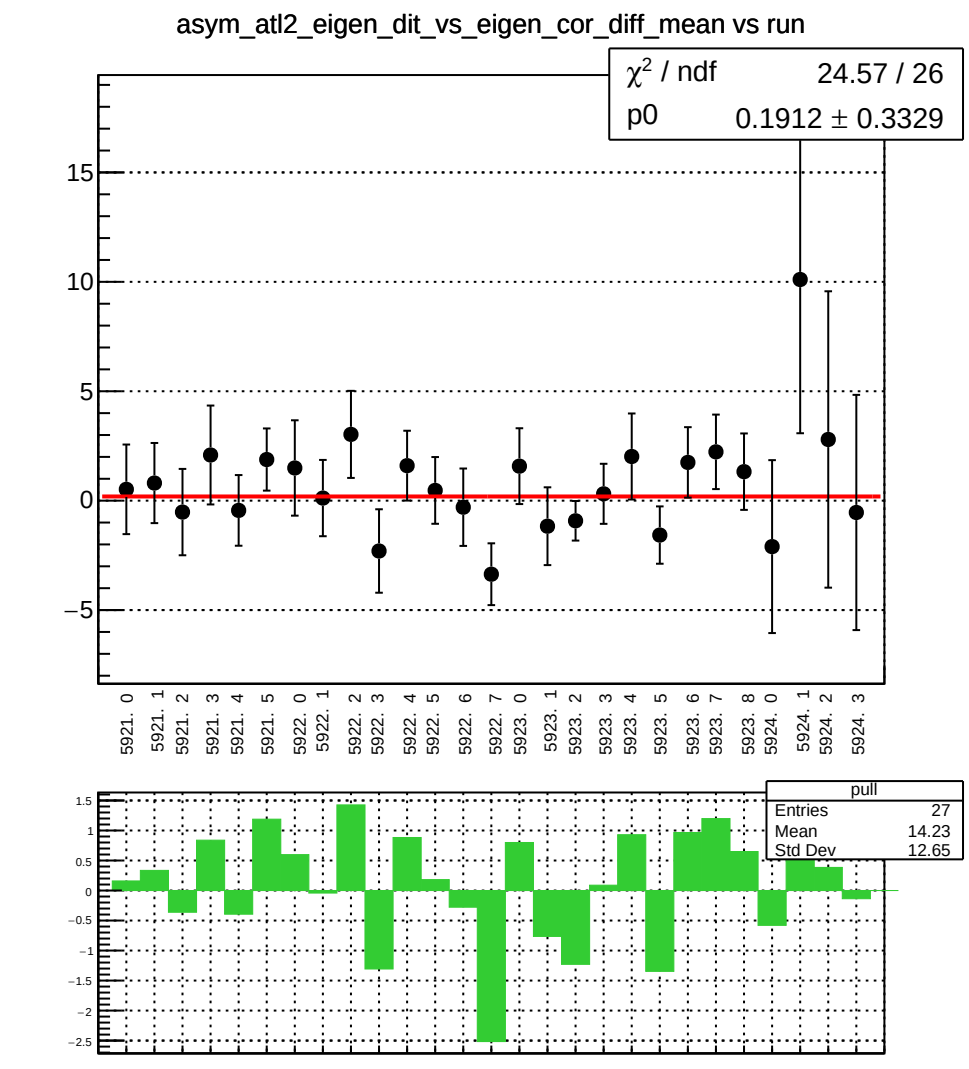

pull1D
Entries 27
Mean 0.01216
Std Dev 1.012
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

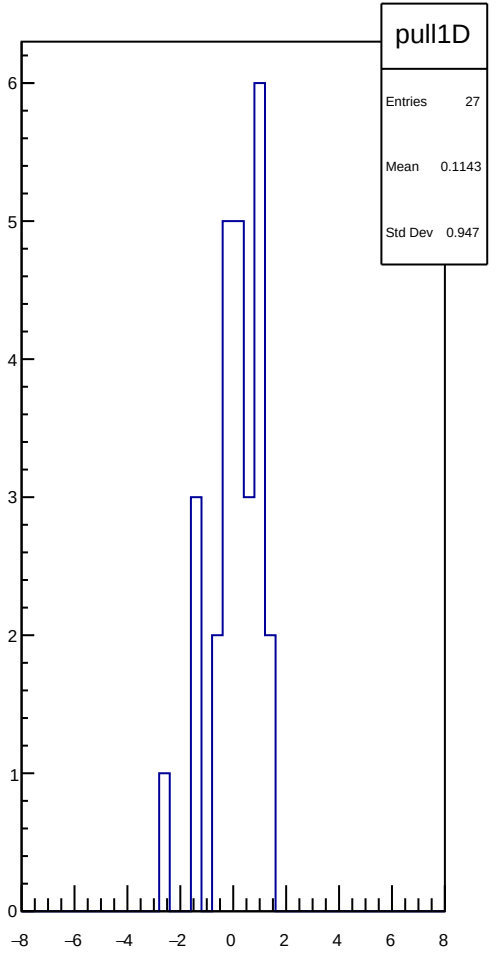

asym_atl2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3495 / 26
p0 0.03802 ± 5.305e–05
0.048
0.046
0.044
0.042
0.04
0.038
0.036
0.034
0.032
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

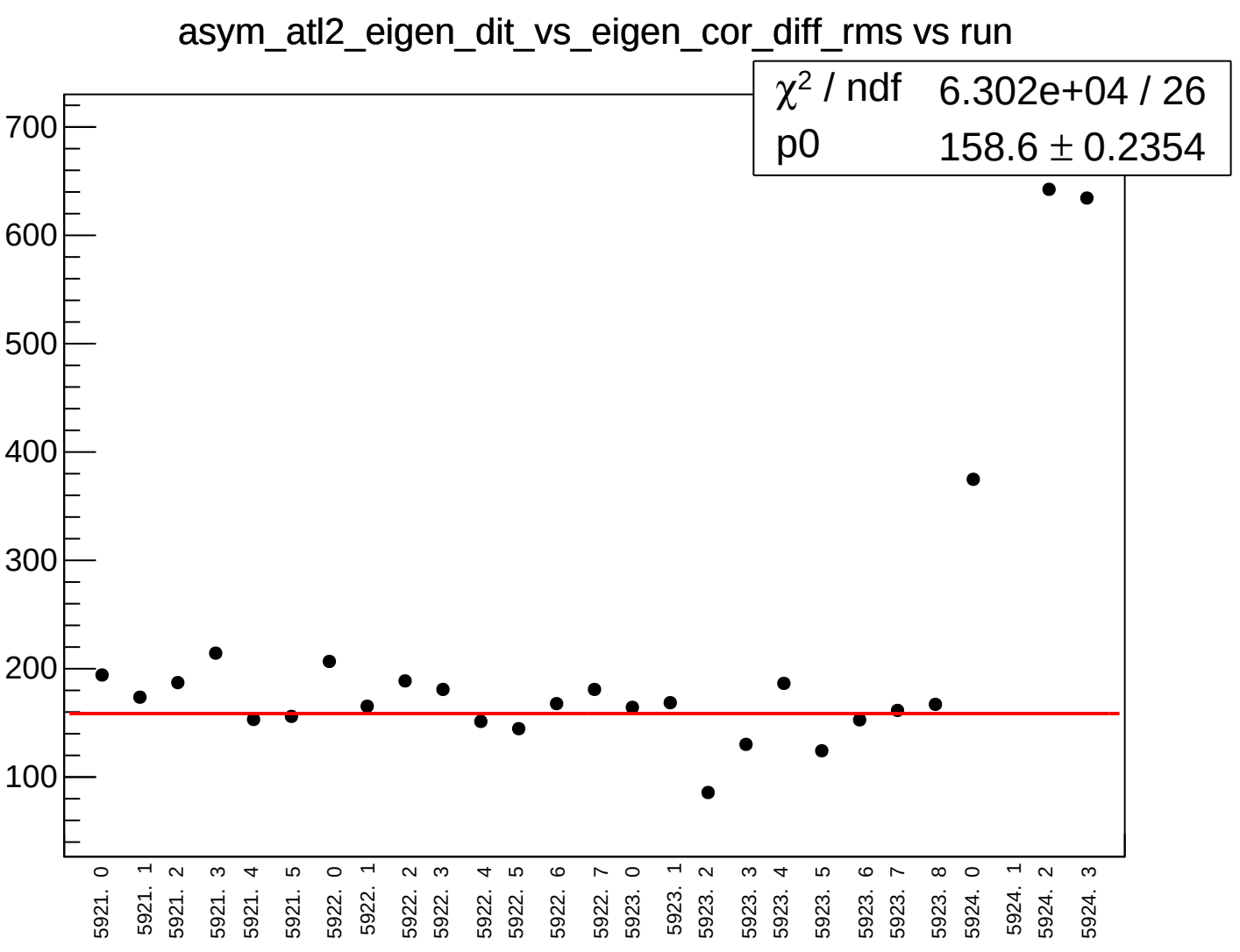

asym_atl2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 24.57 / 26
p0 0.1912 ± 0.3329
15
10
5
0
−5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 14.23
Std Dev 12.65
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

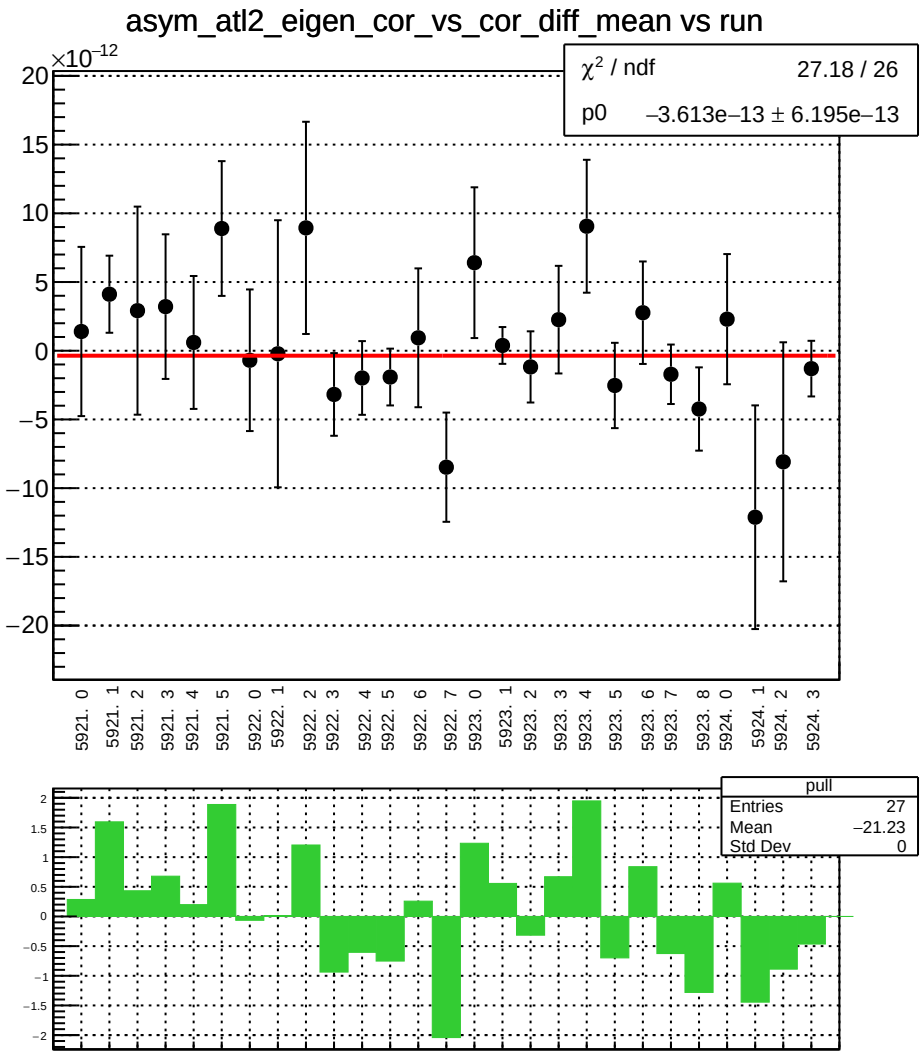

pull1D
Entries 27
Mean 0.1143
Std Dev 0.947
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

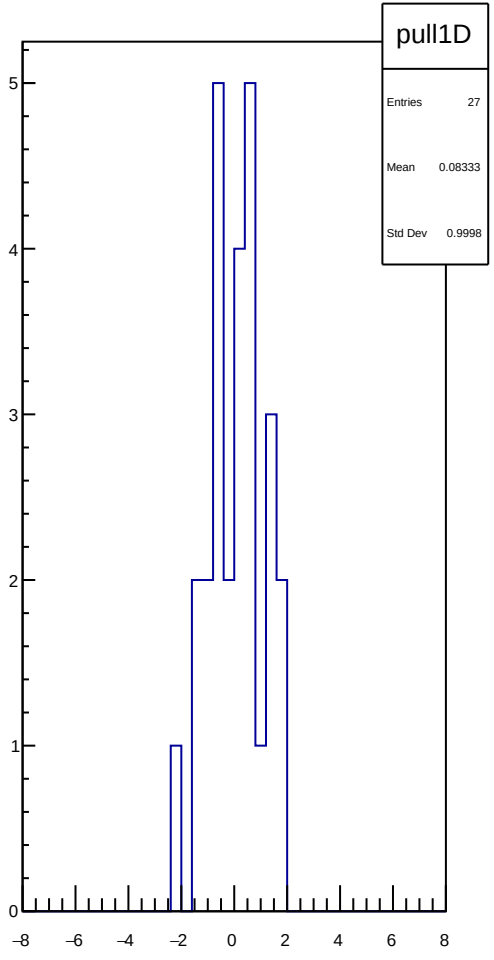

asym_atl2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.302e+04 / 26
p0 158.6 ± 0.2354
700
600
500
400
300
200
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

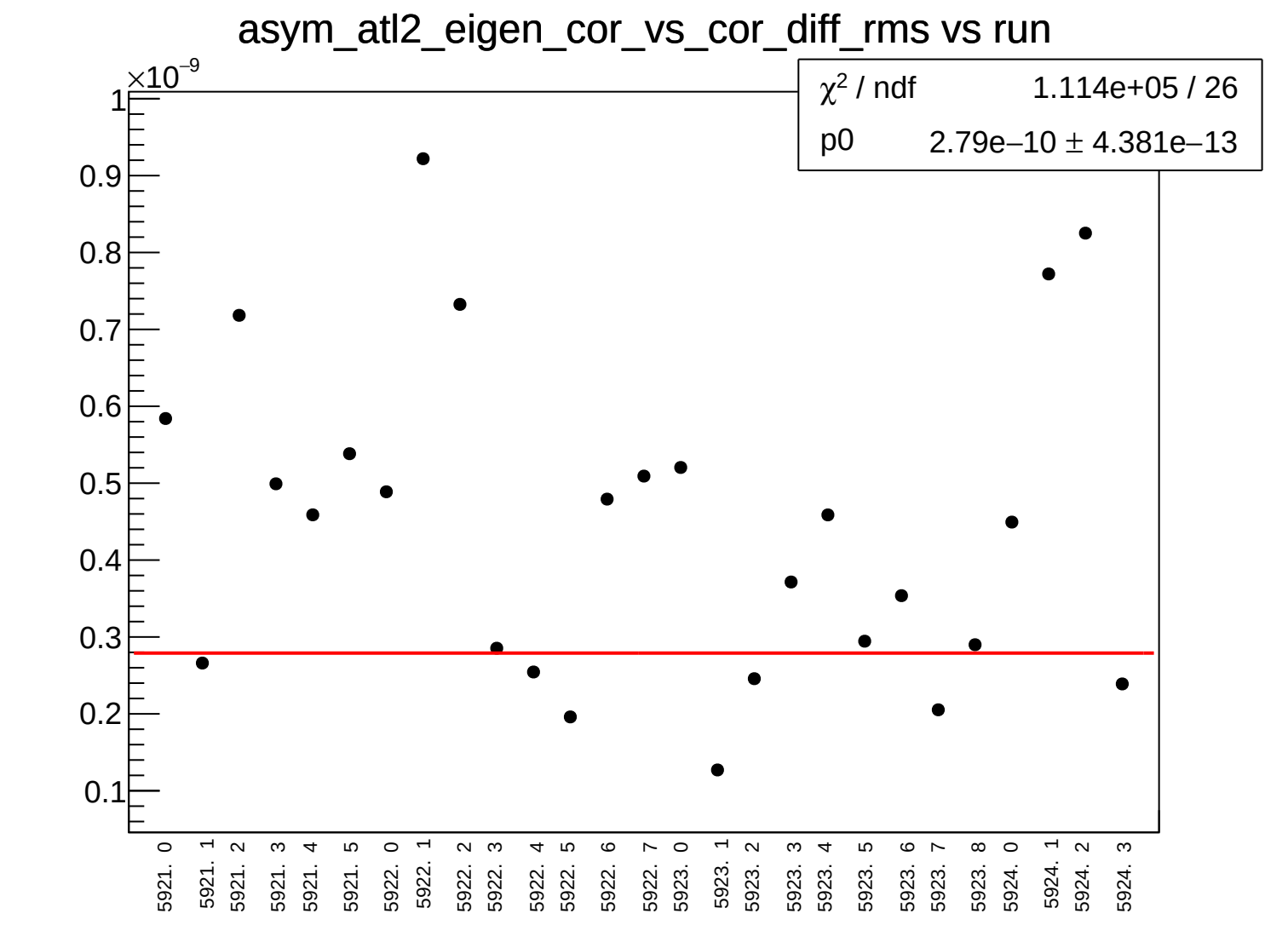

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 24.57 / 26
p0 0.1912 ± 0.3329
15
10
5
0
−5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 14.23
Std Dev 12.65
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

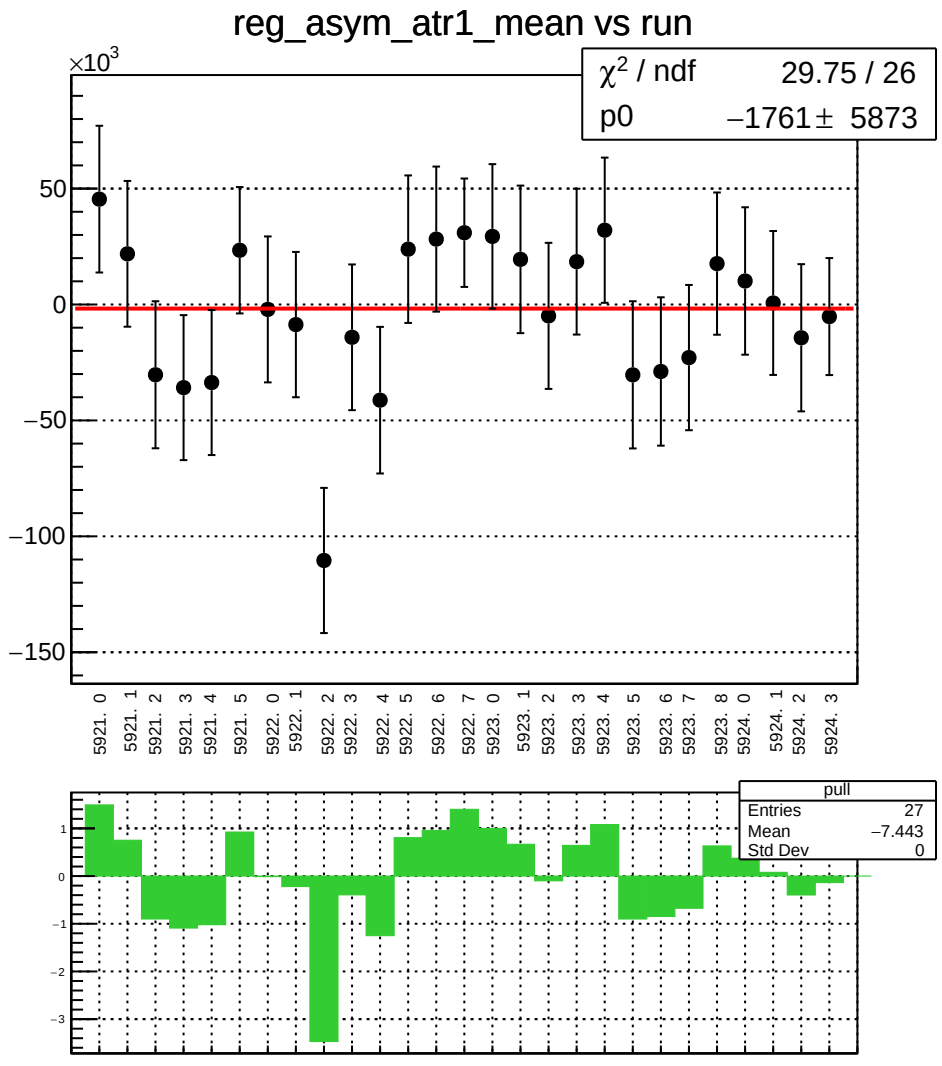

pull1D
Entries 27
Mean 0.1143
Std Dev 0.947
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

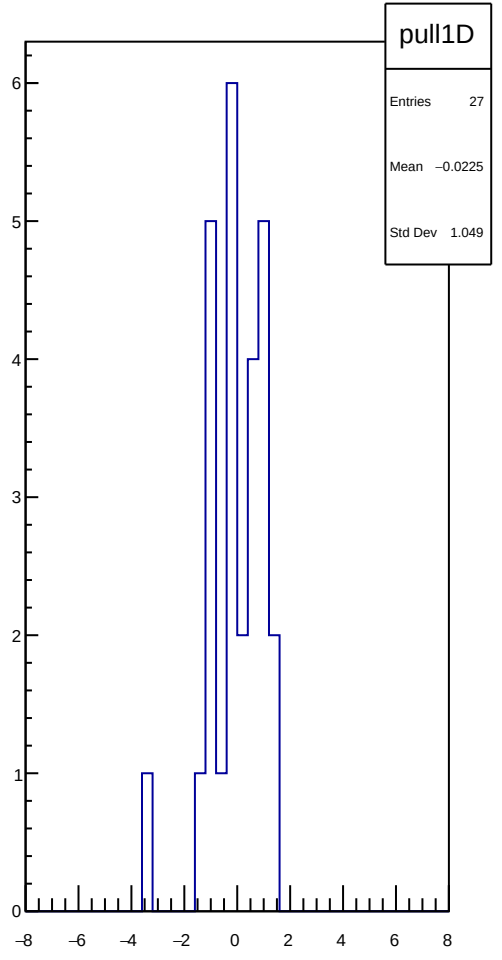

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.302e+04 / 26
p0 158.6 ± 0.2354
700
600
500
400
300
200
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

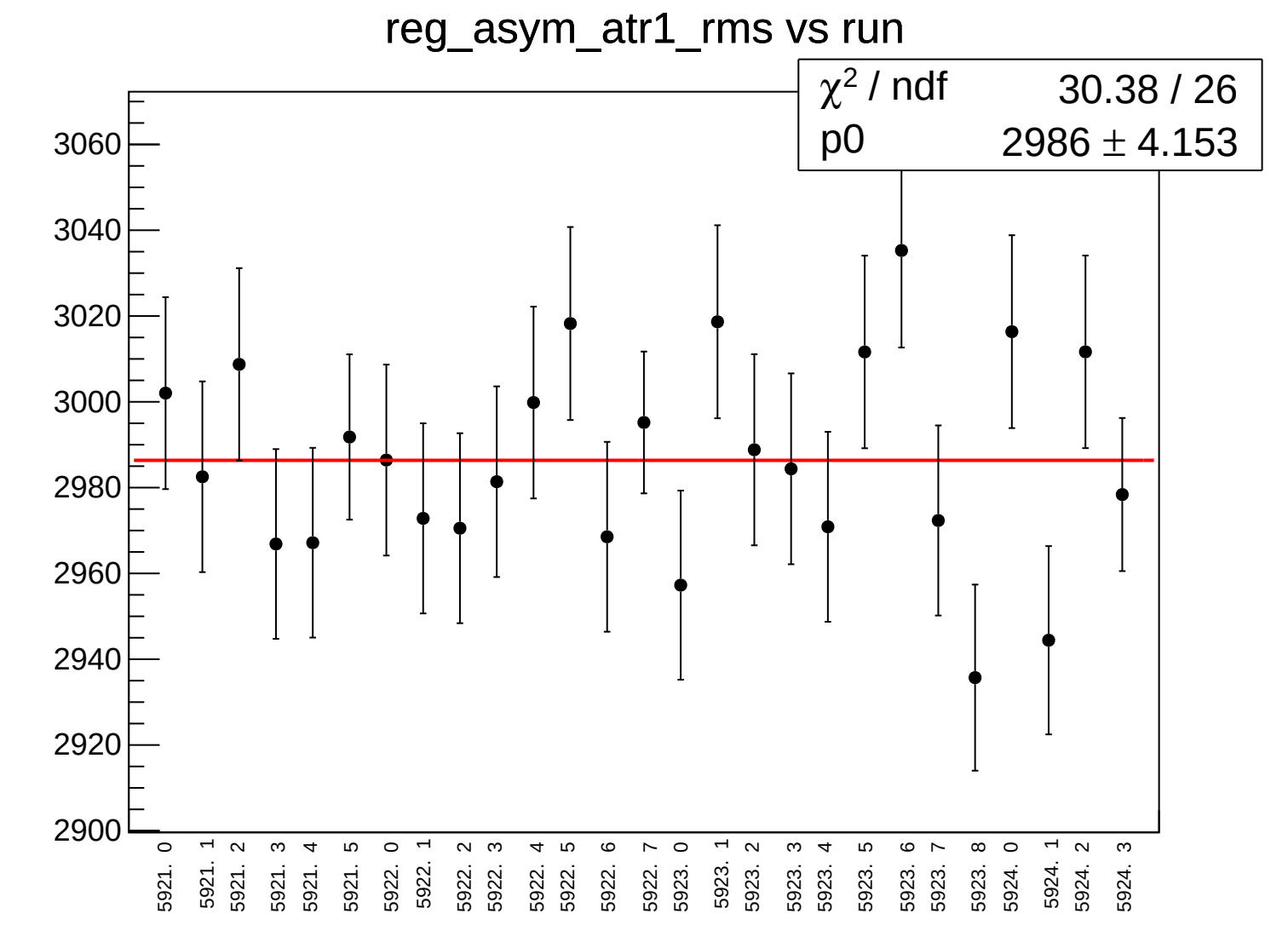

asym_atl2_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 27.18 / 26
p0 −3.613e−13 ± 6.195e−13
pull
Entries 27
Mean −21.23
Std Dev 0

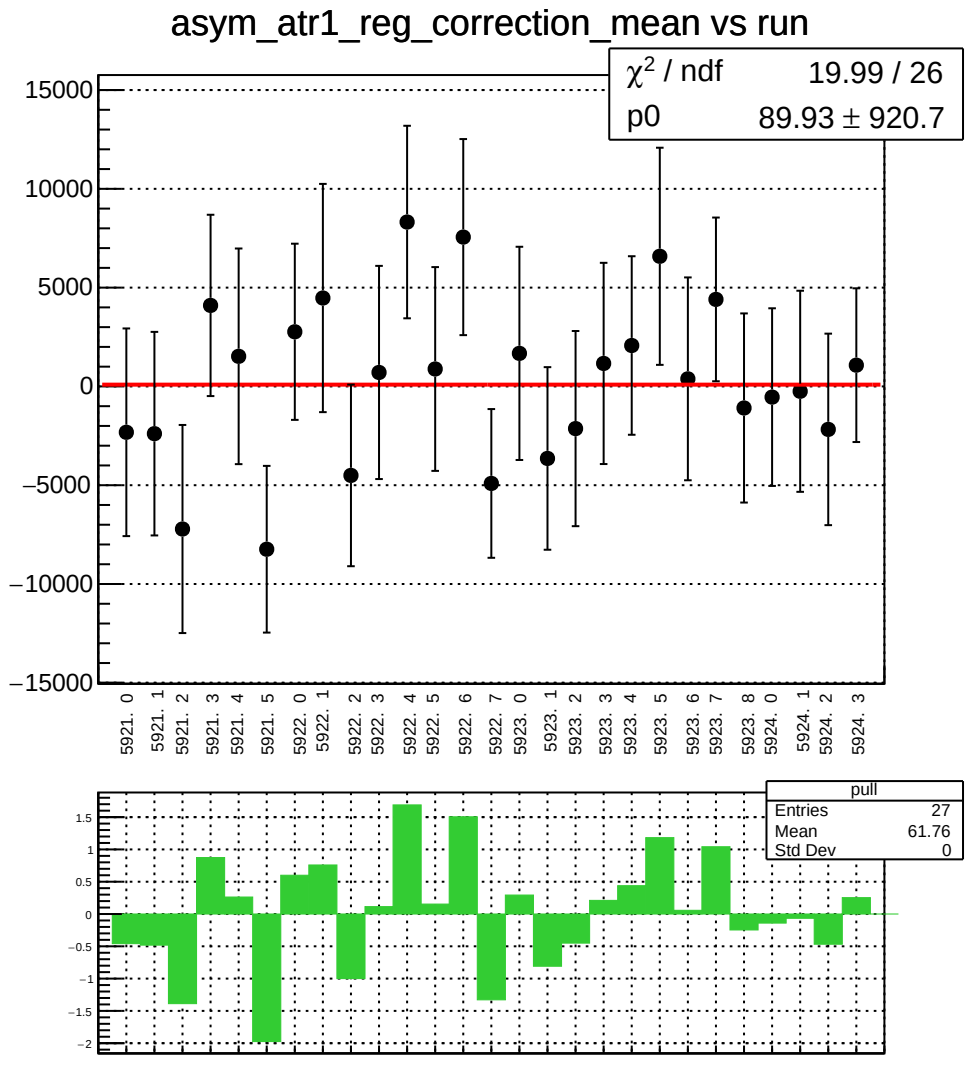

pull1D
Entries 27
Mean 0.08333
Std Dev 0.9998

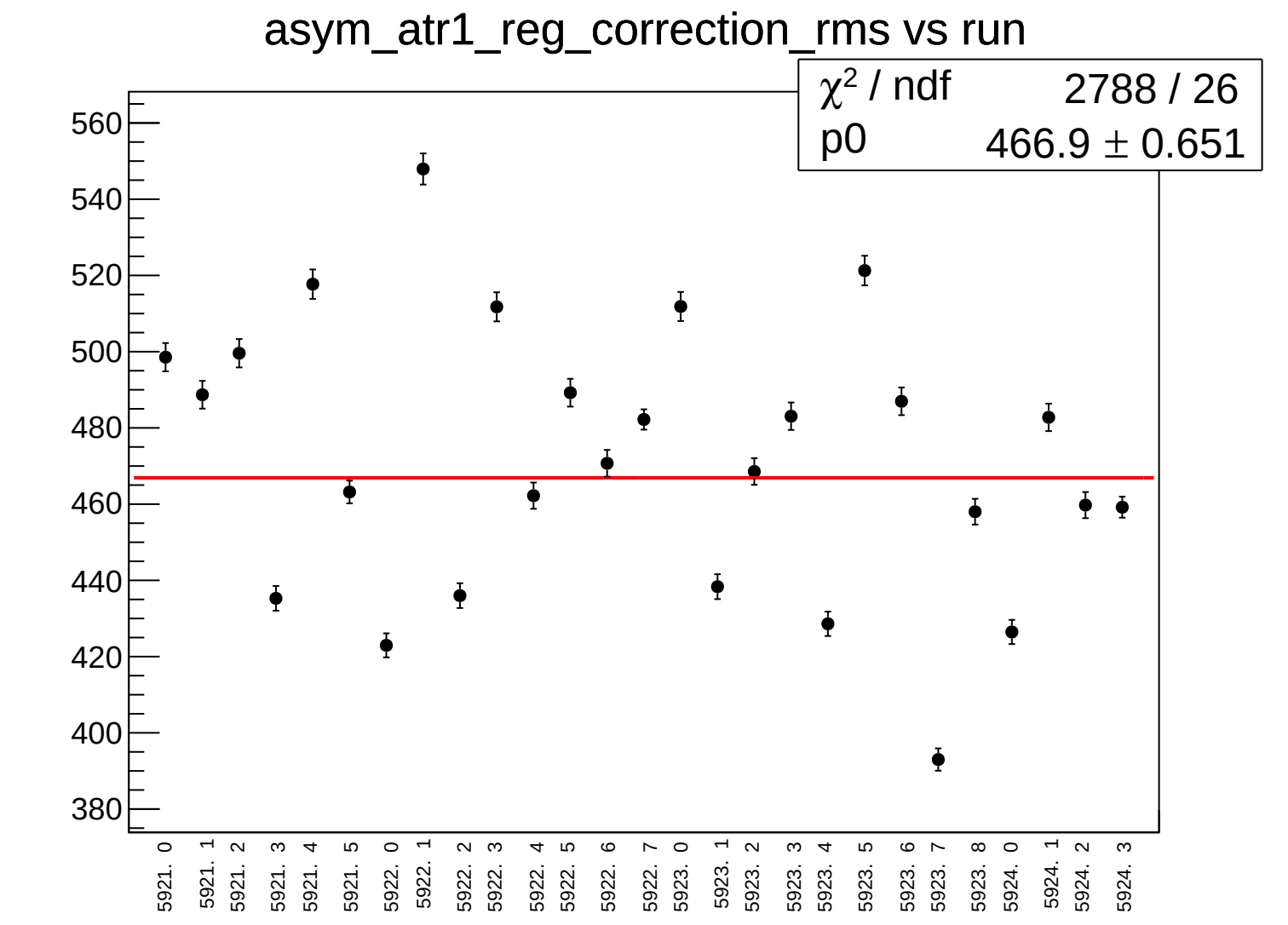

asym_atl2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.114e+05 / 26
p0 2.79e−10 ± 4.381e−13
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

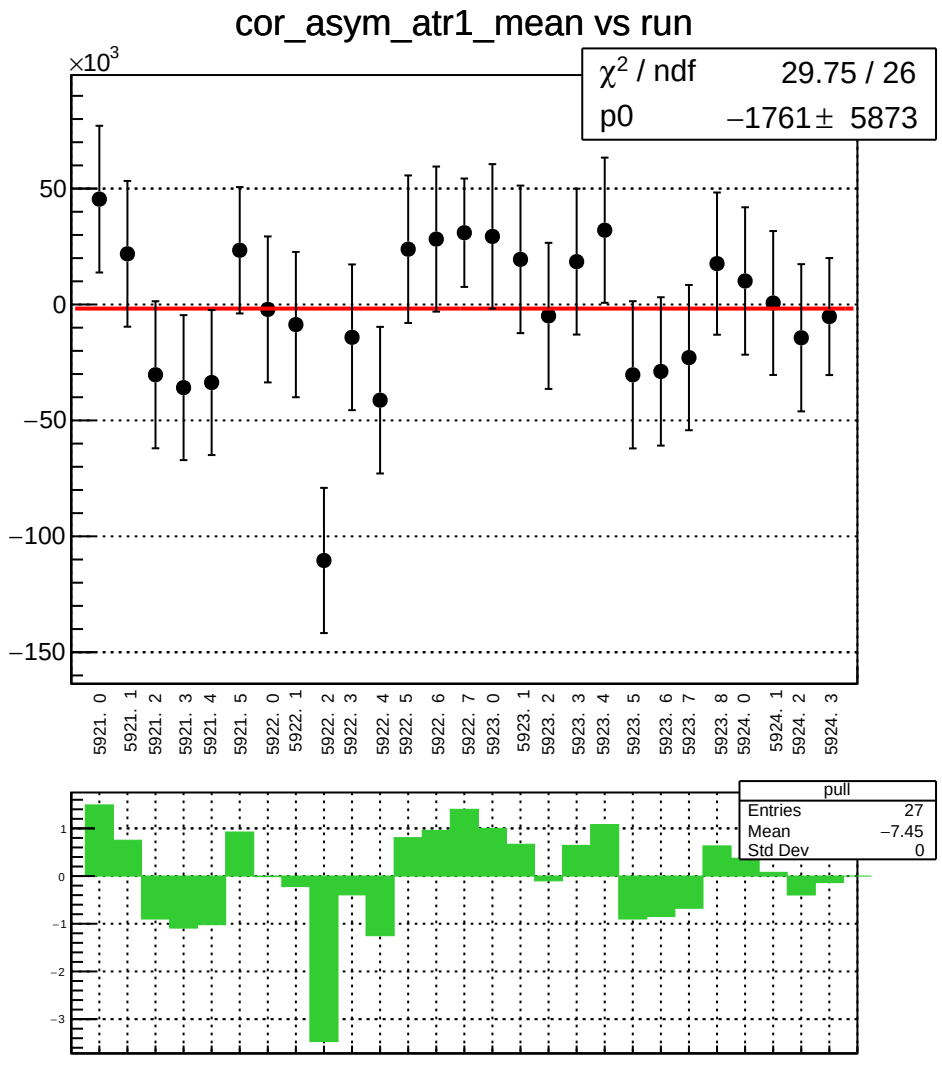

reg_asym_atr1_mean vs run
×10^3
χ^2 / ndf 29.75 / 26
p0 −1761 ± 5873
50
0
−50
−100
−150
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −7.443
Std Dev 0
1
0
−1
−2
−3

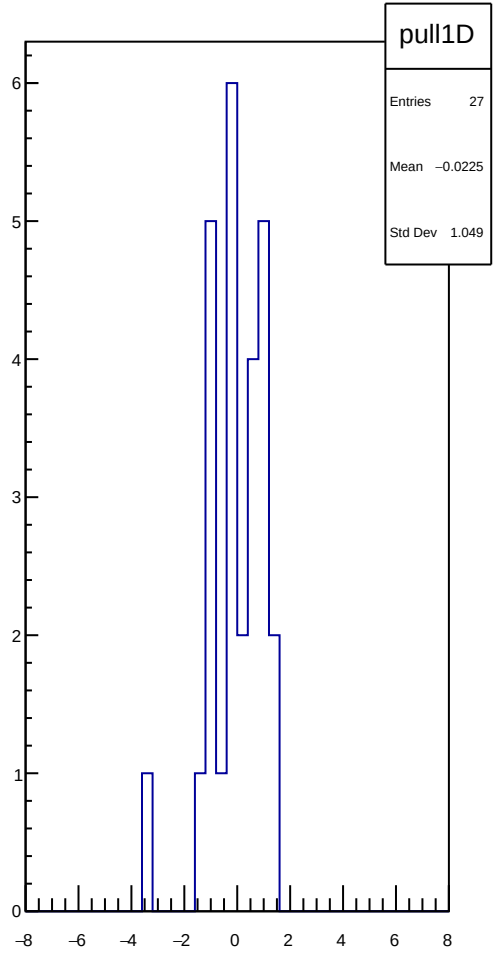

pull1D
Entries 27
Mean −0.0225
Std Dev 1.049
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

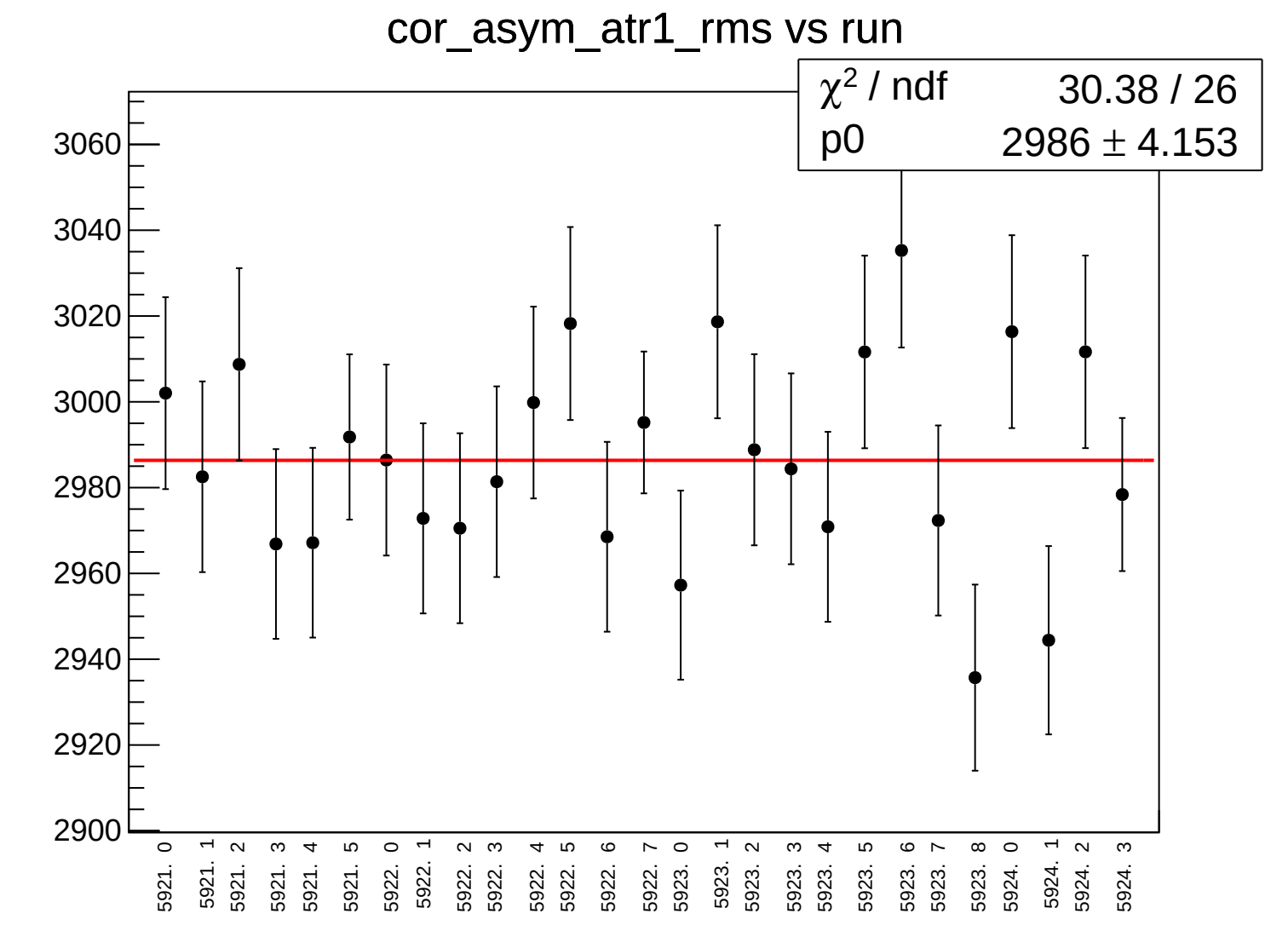

reg_asym_atr1_rms vs run
χ² / ndf 30.38 / 26
p0 2986 ± 4.153
3060
3040
3020
3000
2980
2960
2940
2920
2900
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

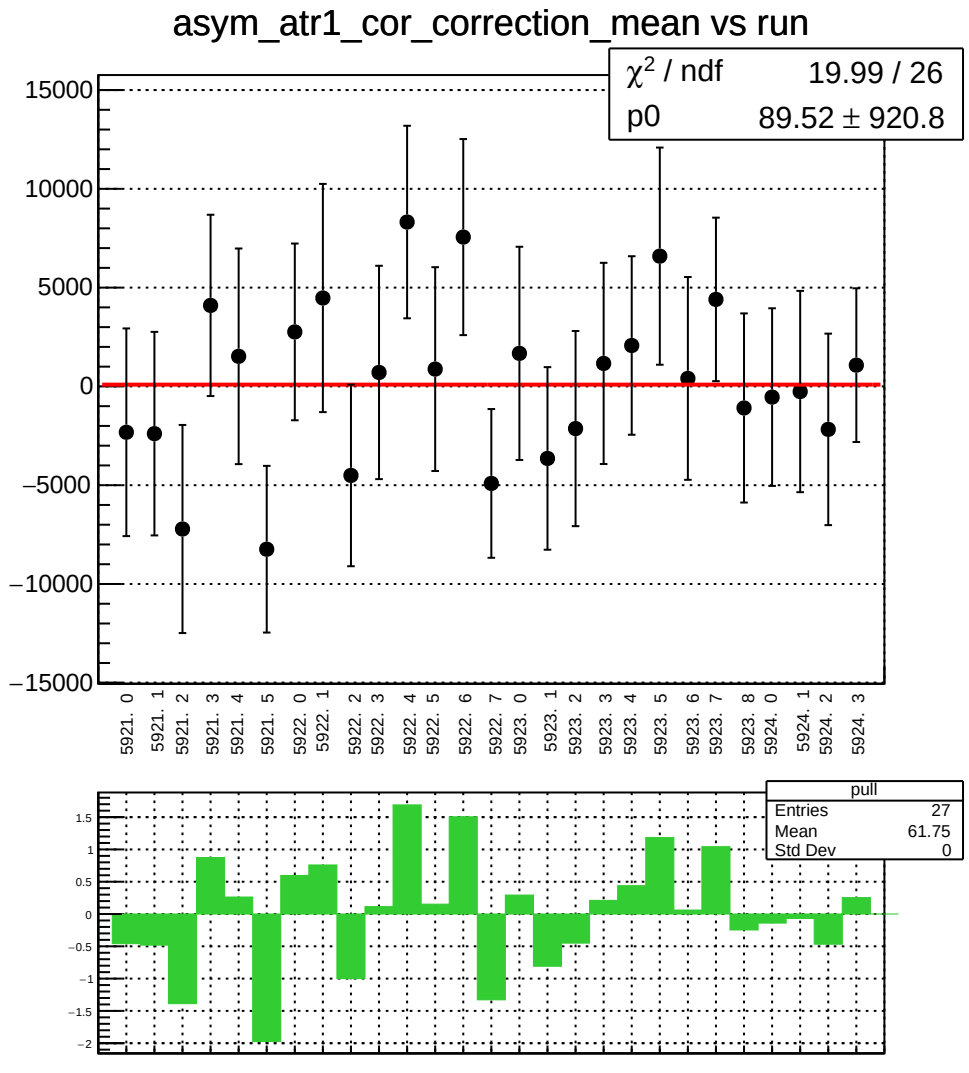

asym_atr1_reg_correction_mean vs run
χ² / ndf 19.99 / 26
p0 89.93 ± 920.7
15000
10000
5000
0
−5000
−10000
−15000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 61.76
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean 0.02312
Std Dev 0.8601
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

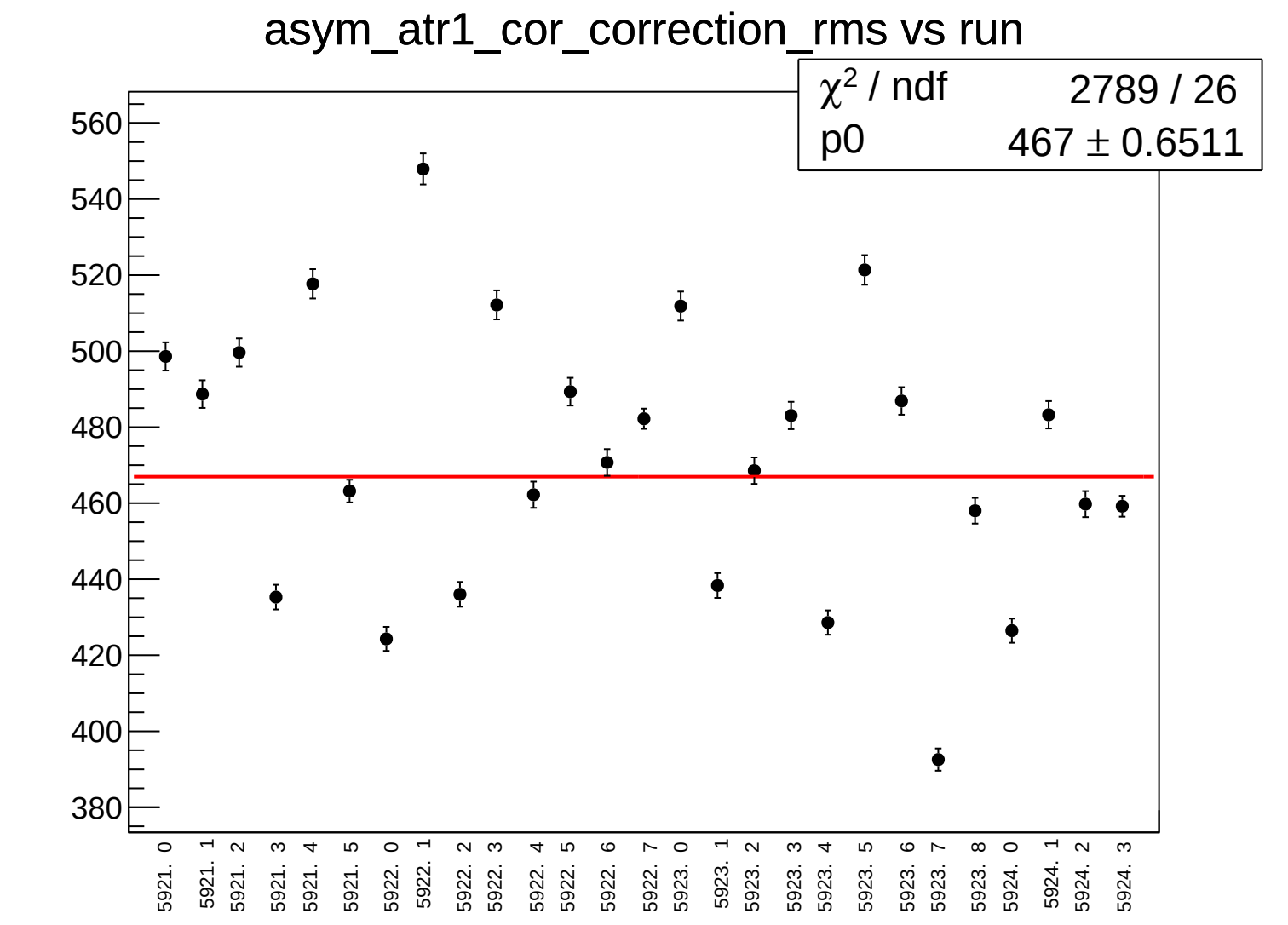

asym_atr1_reg_correction_rms vs run
χ² / ndf 2788 / 26
p0 466.9 ± 0.651
560
540
520
500
480
460
440
420
400
380
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

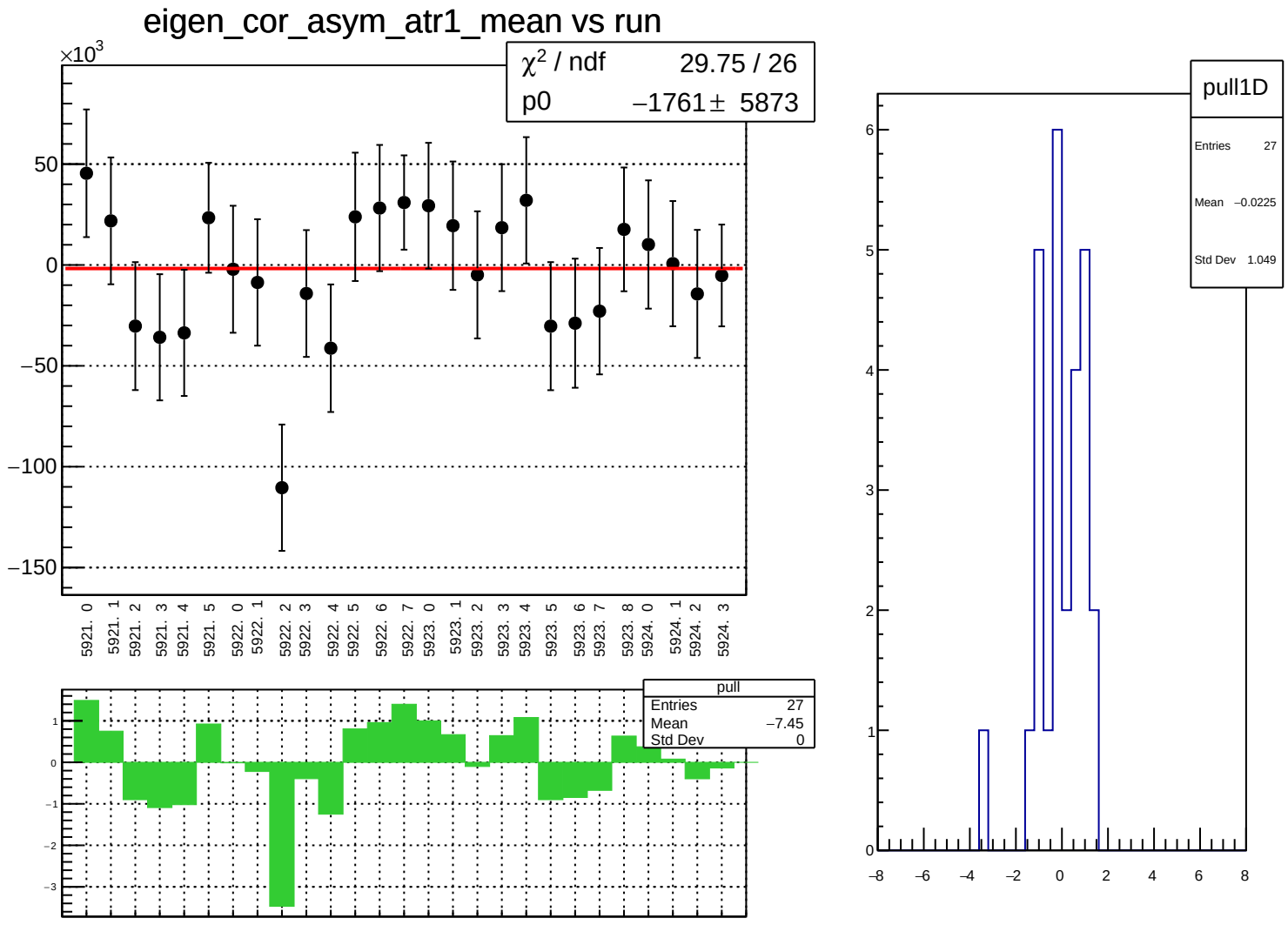

cor_asym_atr1_mean vs run
×10^3
χ^2 / ndf 29.75 / 26
p0 −1761 ± 5873
50
0
−50
−100
−150
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −7.45
Std Dev 0
1
0
−1
−2
−3

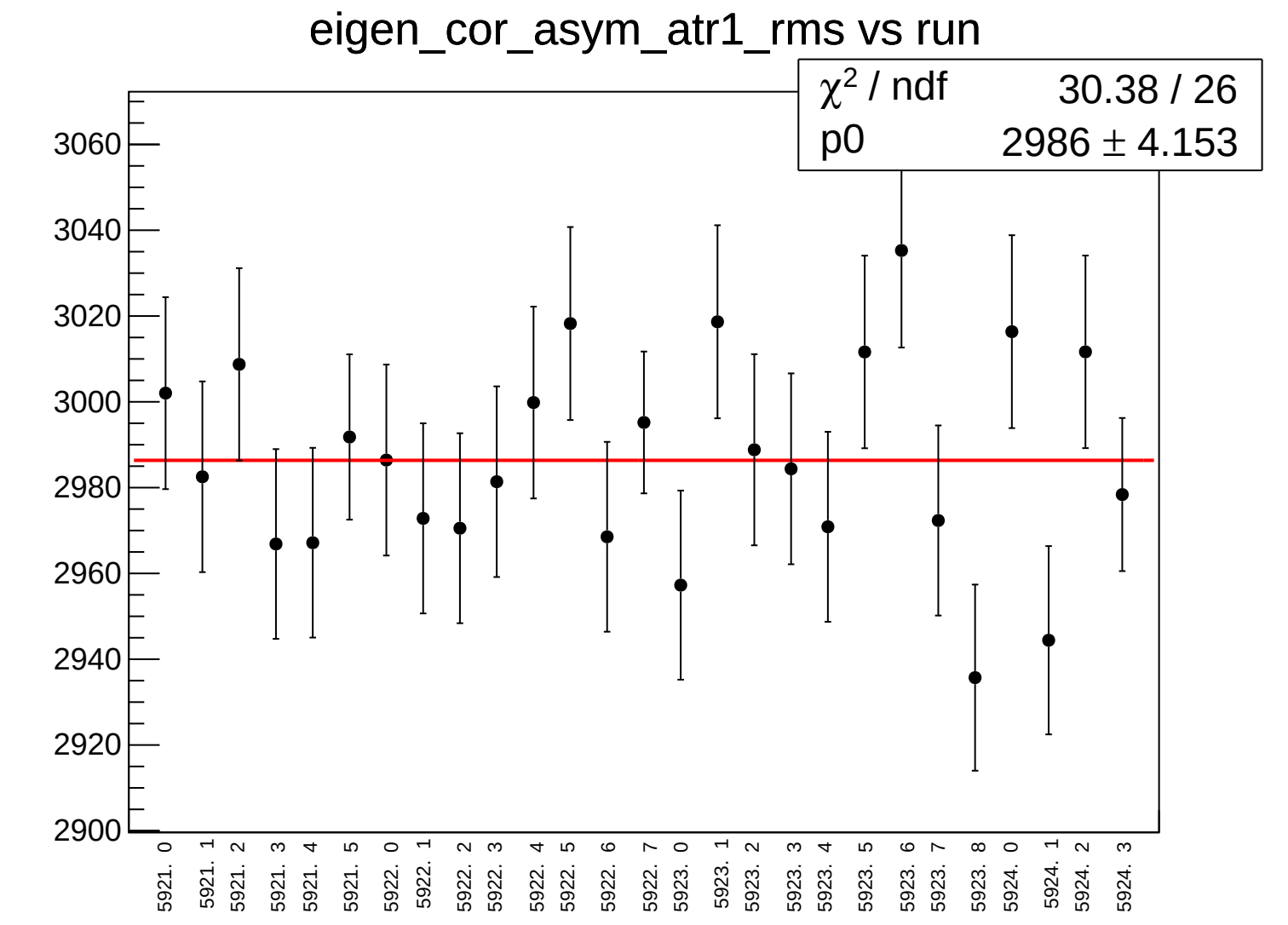

pull1D
Entries 27
Mean −0.0225
Std Dev 1.049
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

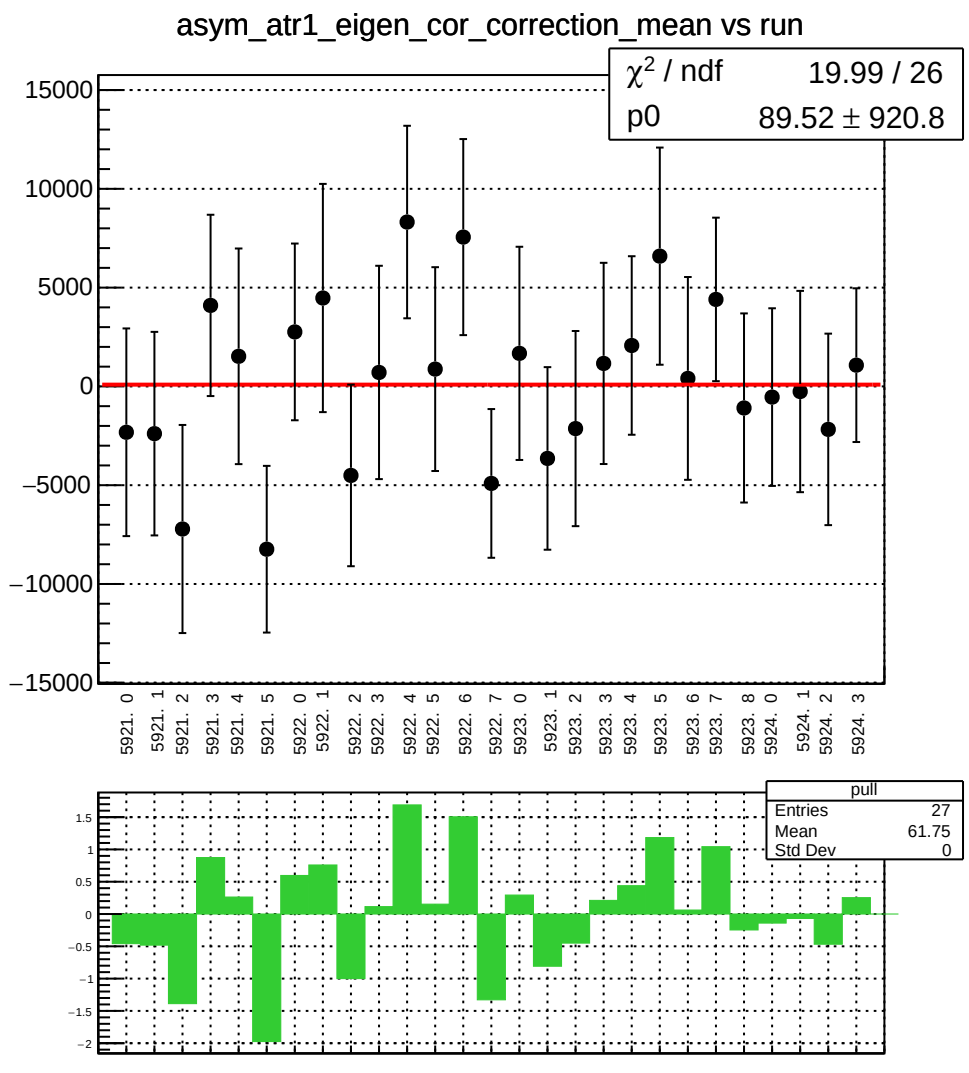

cor_asym_atr1_rms vs run
χ² / ndf 30.38 / 26
p0 2986 ± 4.153
3060
3040
3020
3000
2980
2960
2940
2920
2900
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

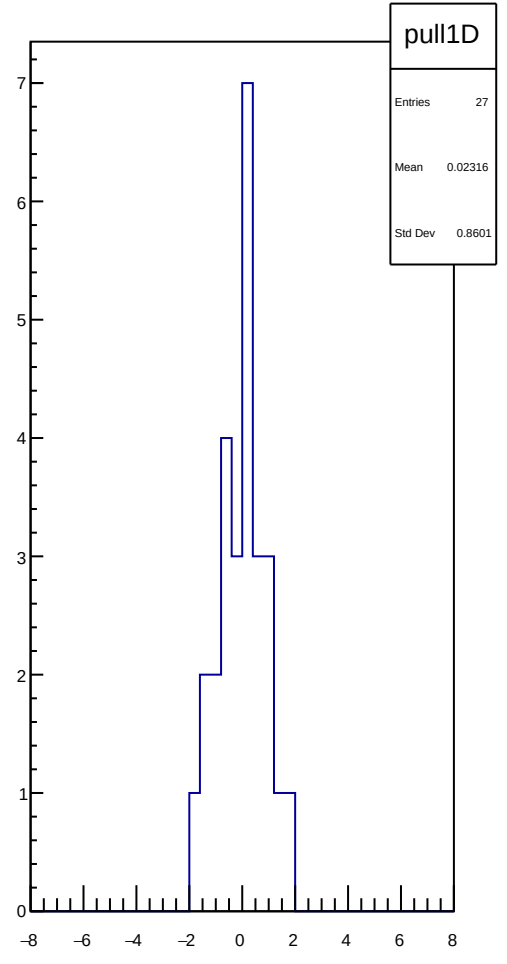

asym_atr1_cor_correction_mean vs run
χ² / ndf 19.99 / 26
p0 89.52 ± 920.8
15000
10000
5000
0
−5000
−10000
−15000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 61.75
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean 0.02316
Std Dev 0.8601
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

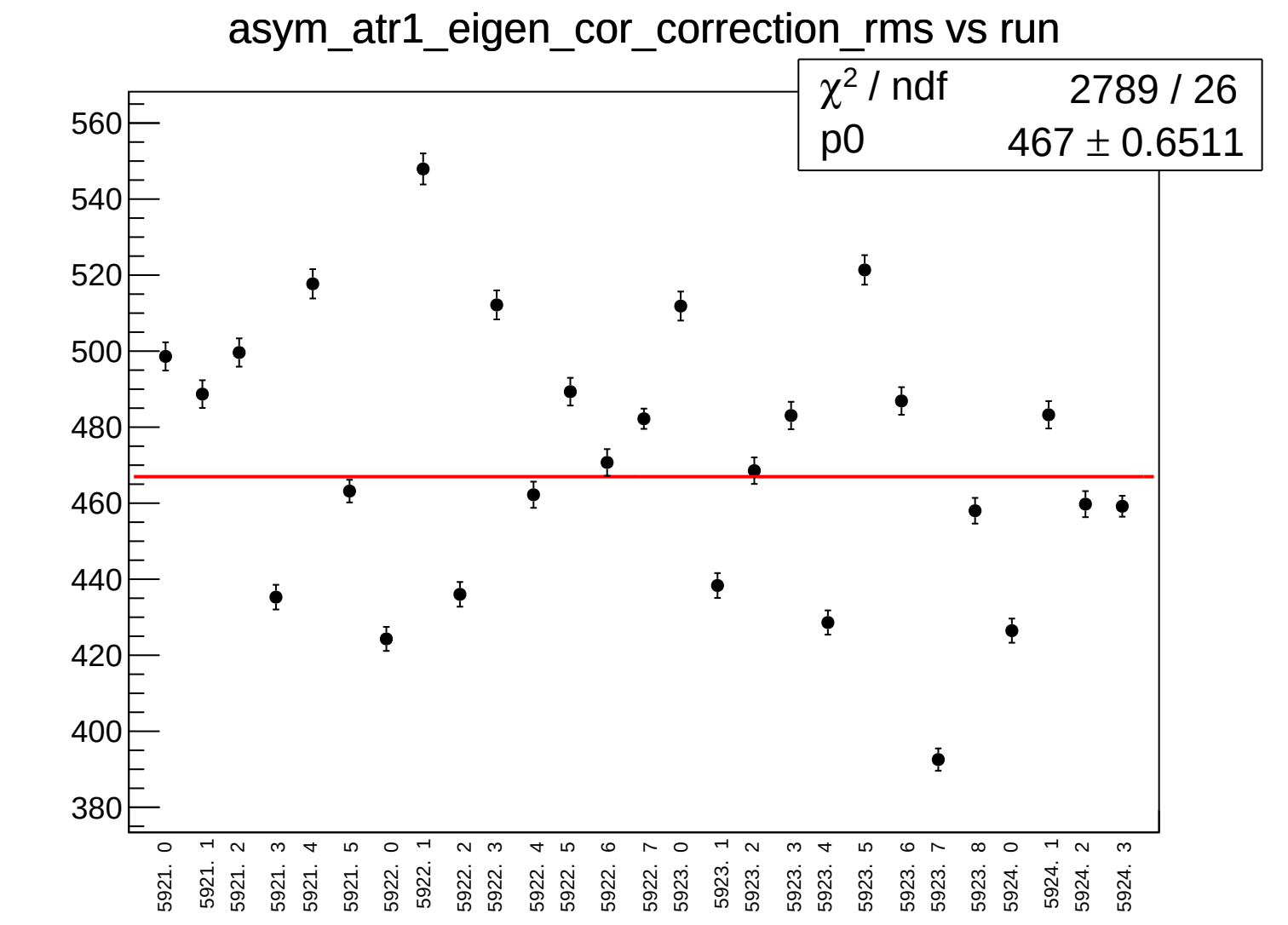

asym_atr1_cor_correction_rms vs run
χ² / ndf 2789 / 26
p0 467 ± 0.6511
560
540
520
500
480
460
440
420
400
380
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

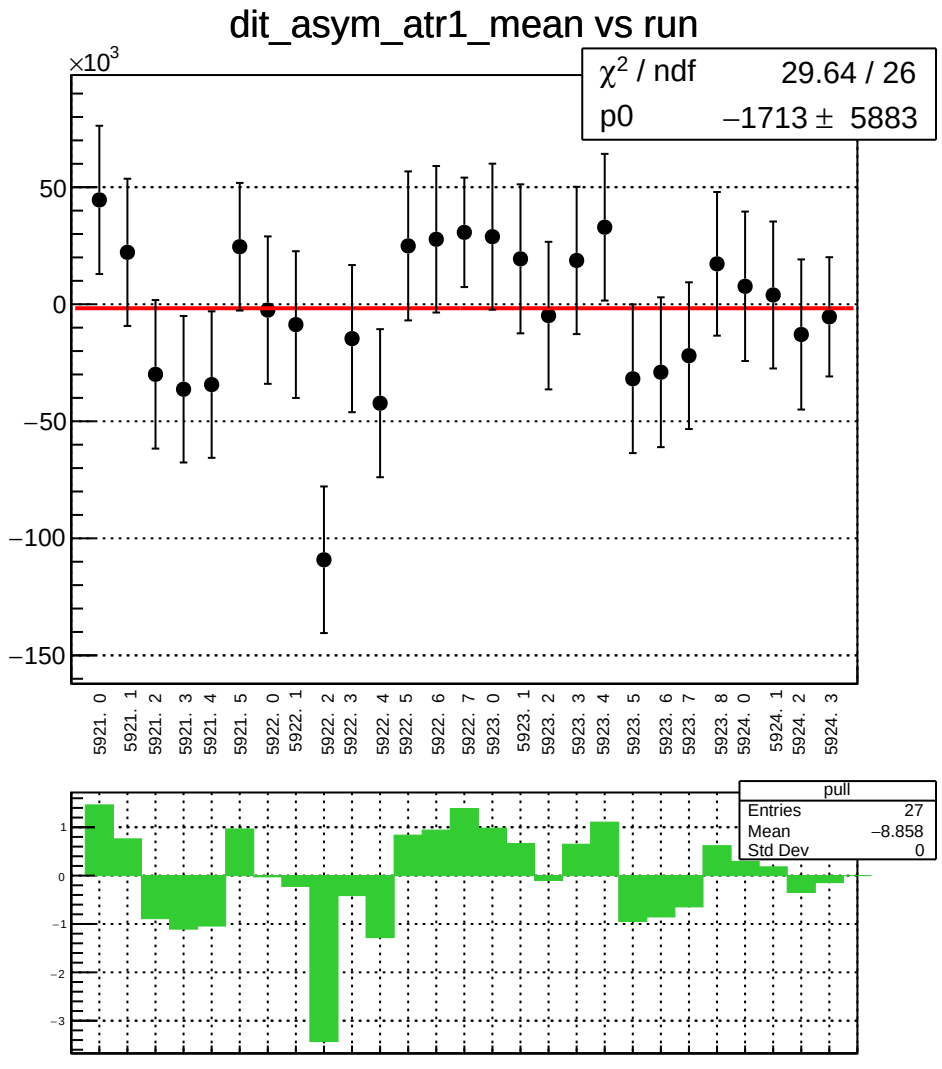

eigen_cor_asym_atr1_mean vs run
×10^3
χ^2 / ndf 29.75 / 26
p0 −1761 ± 5873
50
0
−50
−100
−150
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −7.45
Std Dev 0
1
0
−1
−2
−3
pull1D
Entries 27
Mean −0.0225
Std Dev 1.049
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

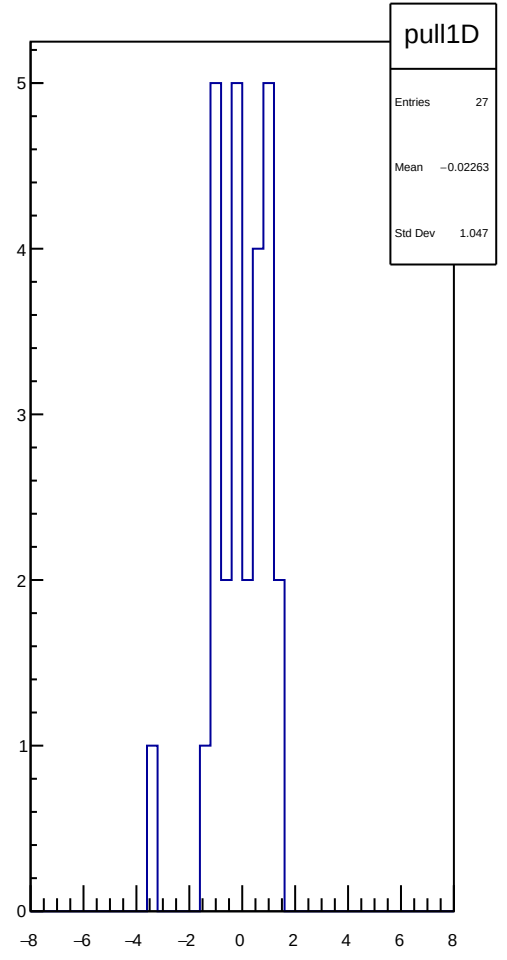

eigen_cor_asym_atr1_rms vs run
χ² / ndf 30.38 / 26
p0 2986 ± 4.153
3060
3040
3020
3000
2980
2960
2940
2920
2900
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

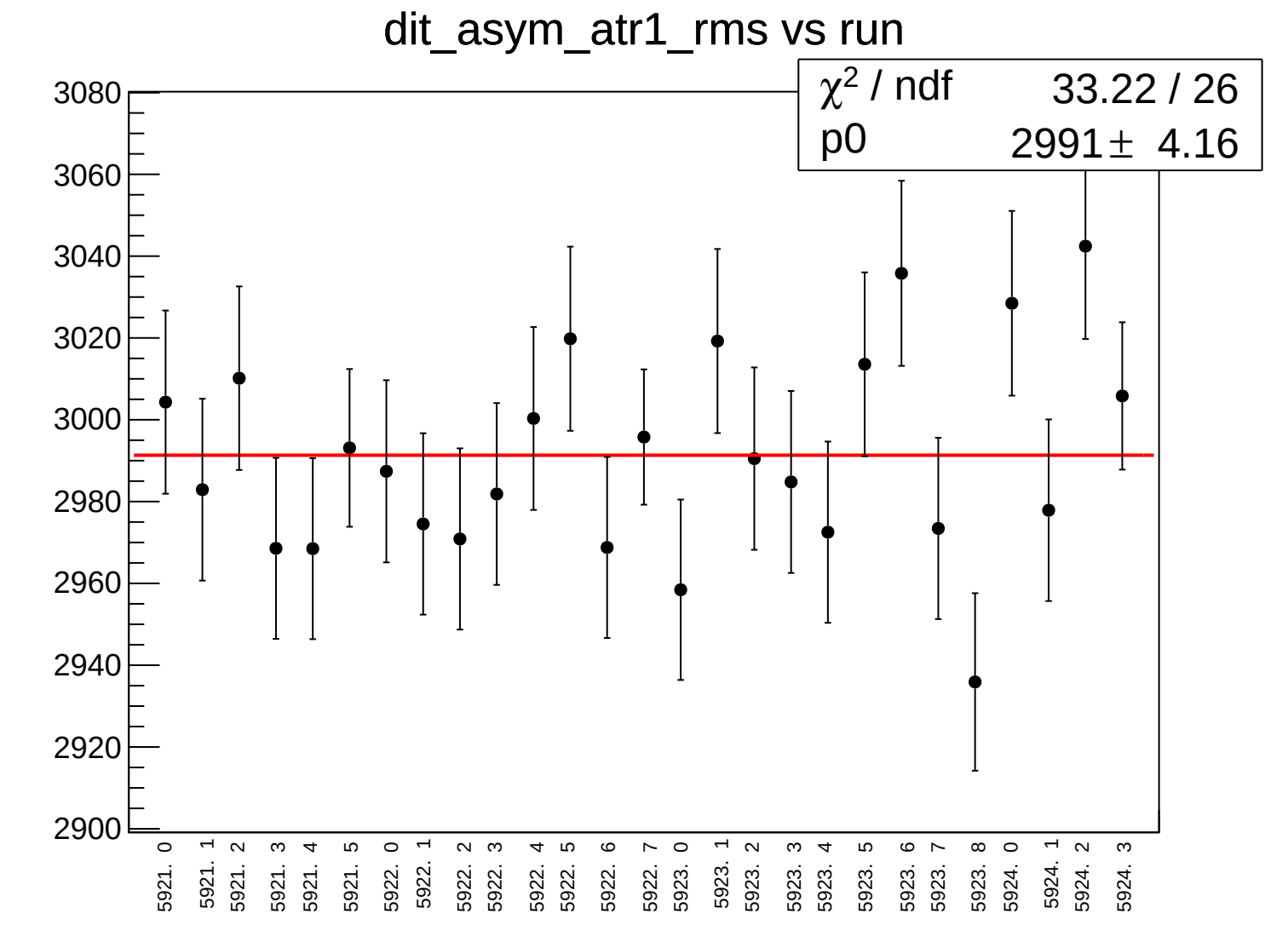

asym_atr1_eigen_cor_correction_mean vs run
χ² / ndf 19.99 / 26
p0 89.52 ± 920.8
15000
10000
5000
0
−5000
−10000
−15000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 61.75
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

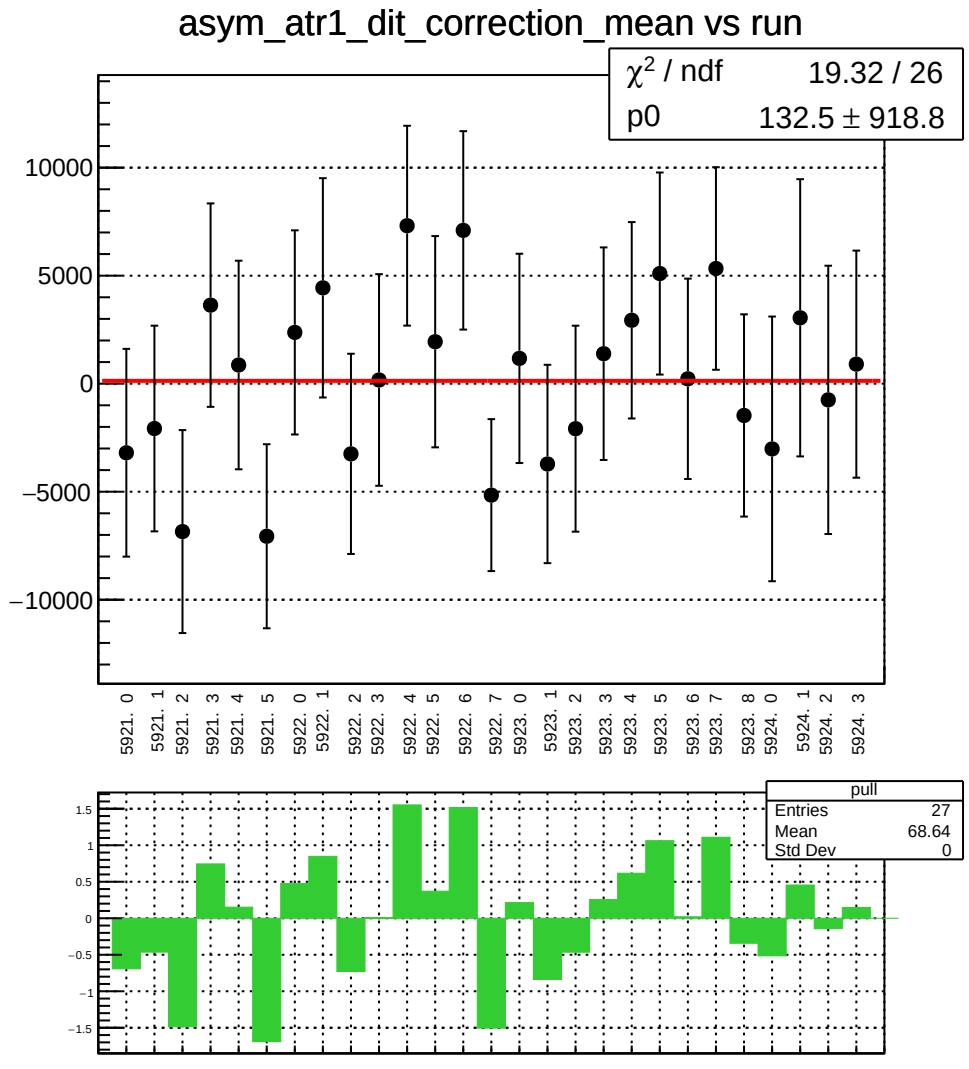

pull1D
Entries 27
Mean 0.02316
Std Dev 0.8601
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

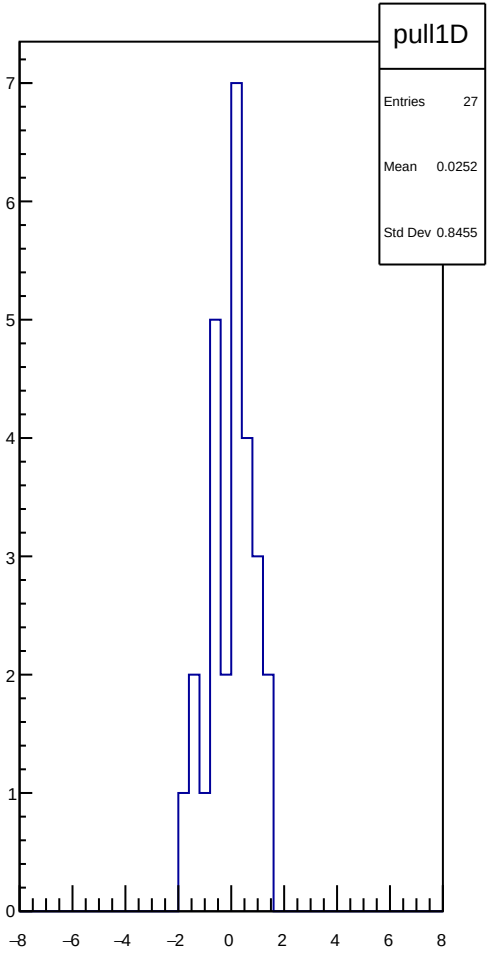

asym_atr1_eigen_cor_correction_rms vs run
χ² / ndf 2789 / 26
p0 467 ± 0.6511
560
540
520
500
480
460
440
420
400
380
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

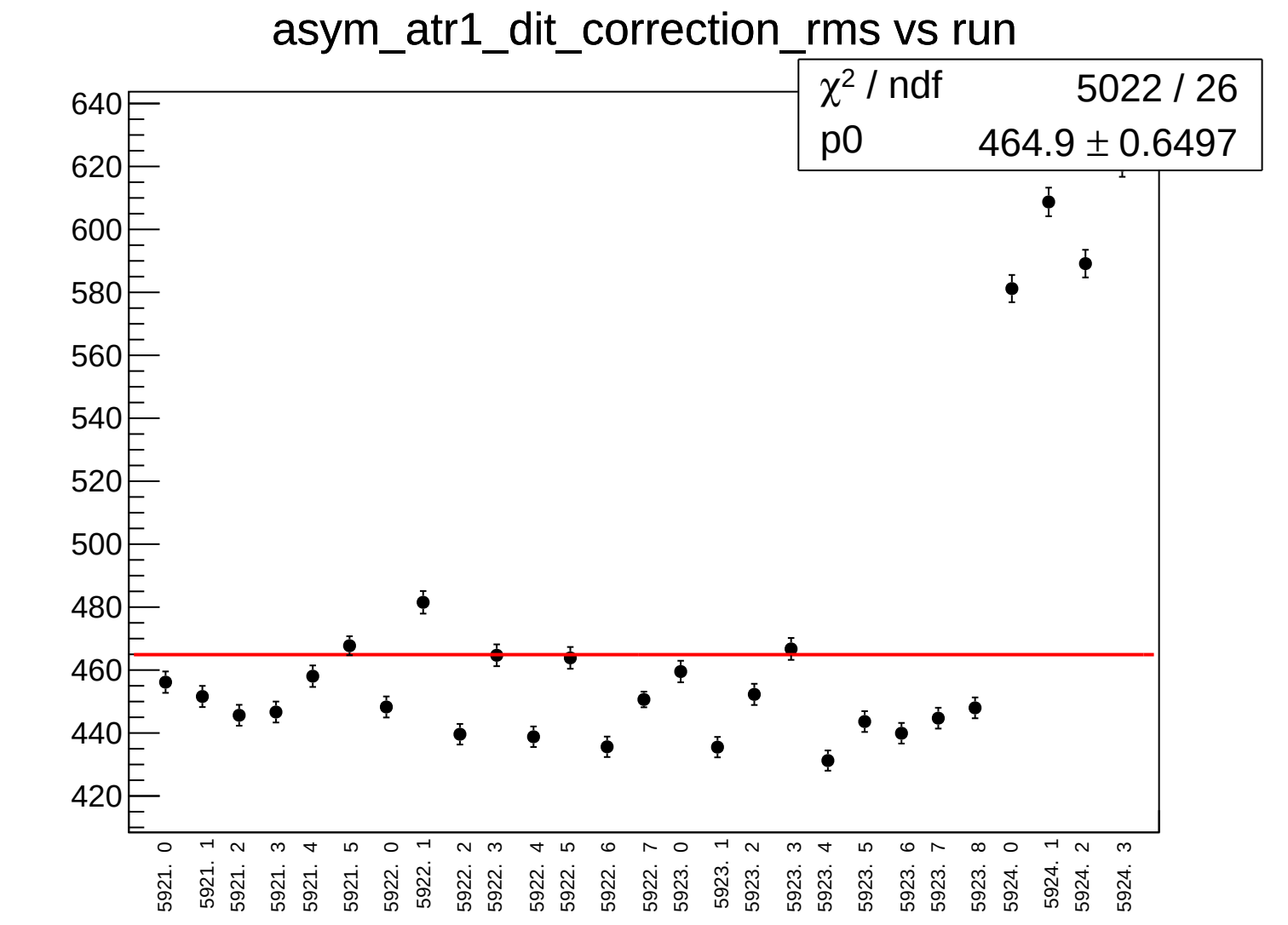

dit_asym_atr1_mean vs run
×10^3
χ^2 / ndf 29.64 / 26
p0 −1713 ± 5883
50
0
−50
−100
−150
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −8.858
Std Dev 0
1
0
−1
−2
−3

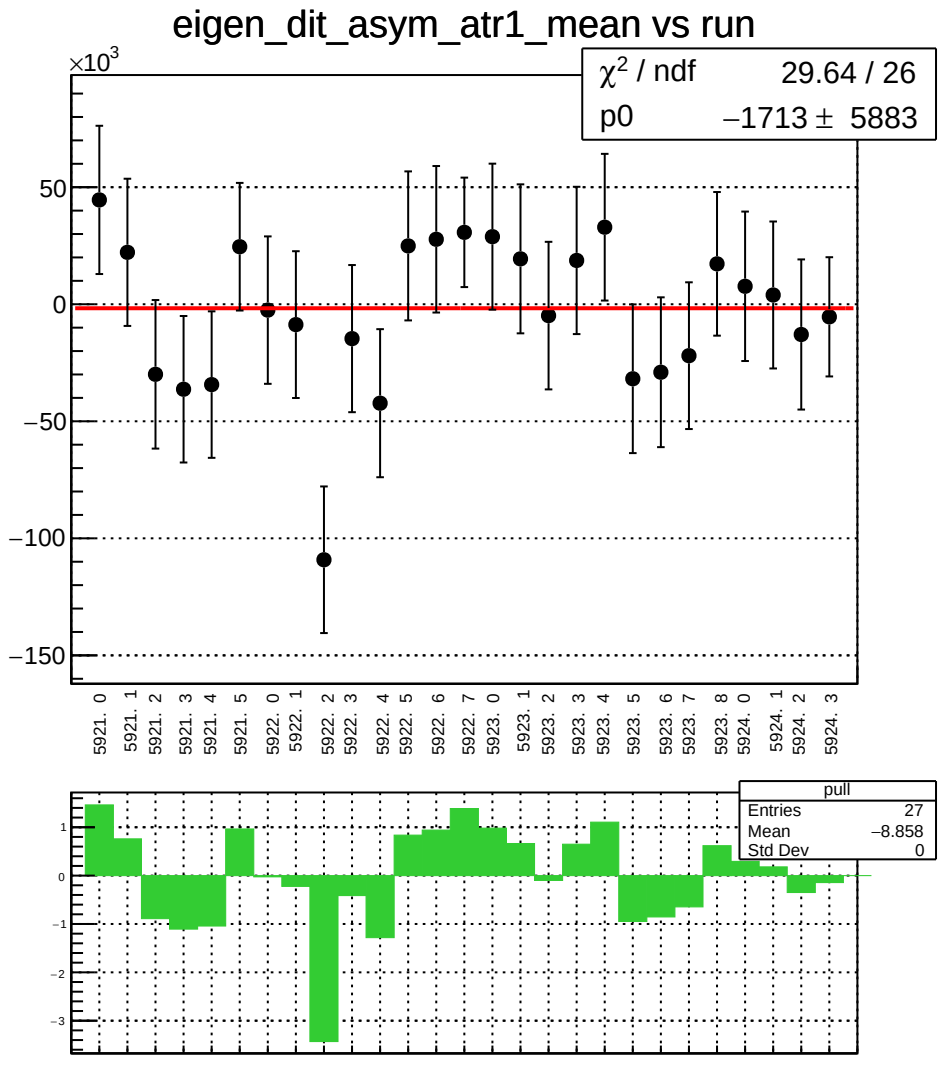

pull1D
Entries 27
Mean −0.02263
Std Dev 1.047
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

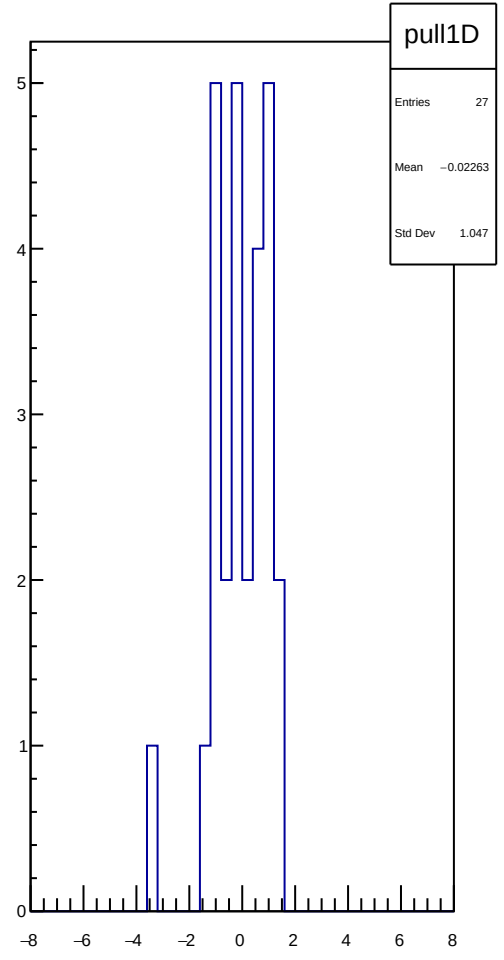

dit_asym_atr1_rms vs run
χ² / ndf 33.22 / 26
p0 2991 ± 4.16
3080
3060
3040
3020
3000
2980
2960
2940
2920
2900
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

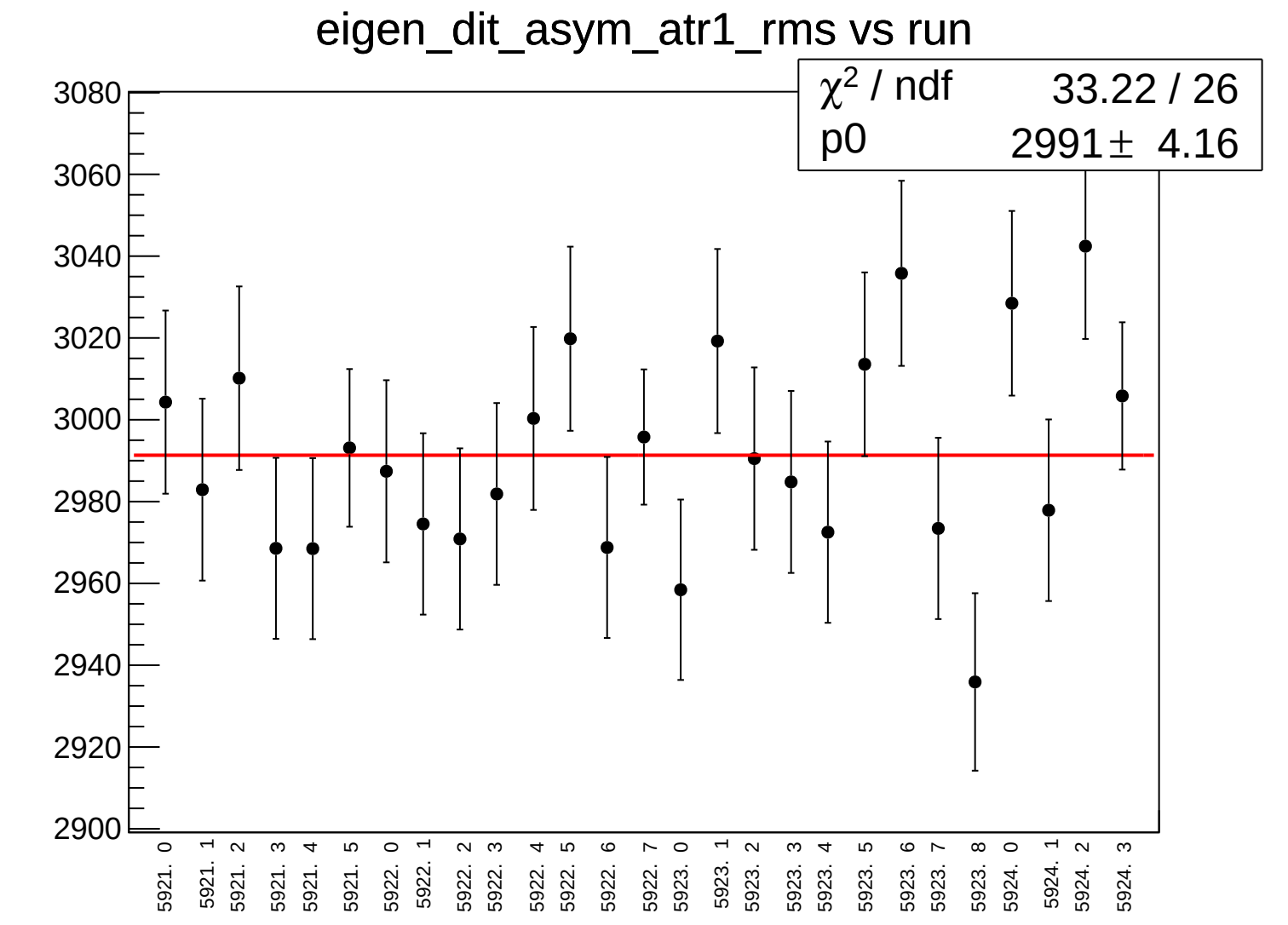

asym_atr1_dit_correction_mean vs run
χ² / ndf 19.32 / 26
p0 132.5 ± 918.8
10000
5000
0
−5000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 68.64
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

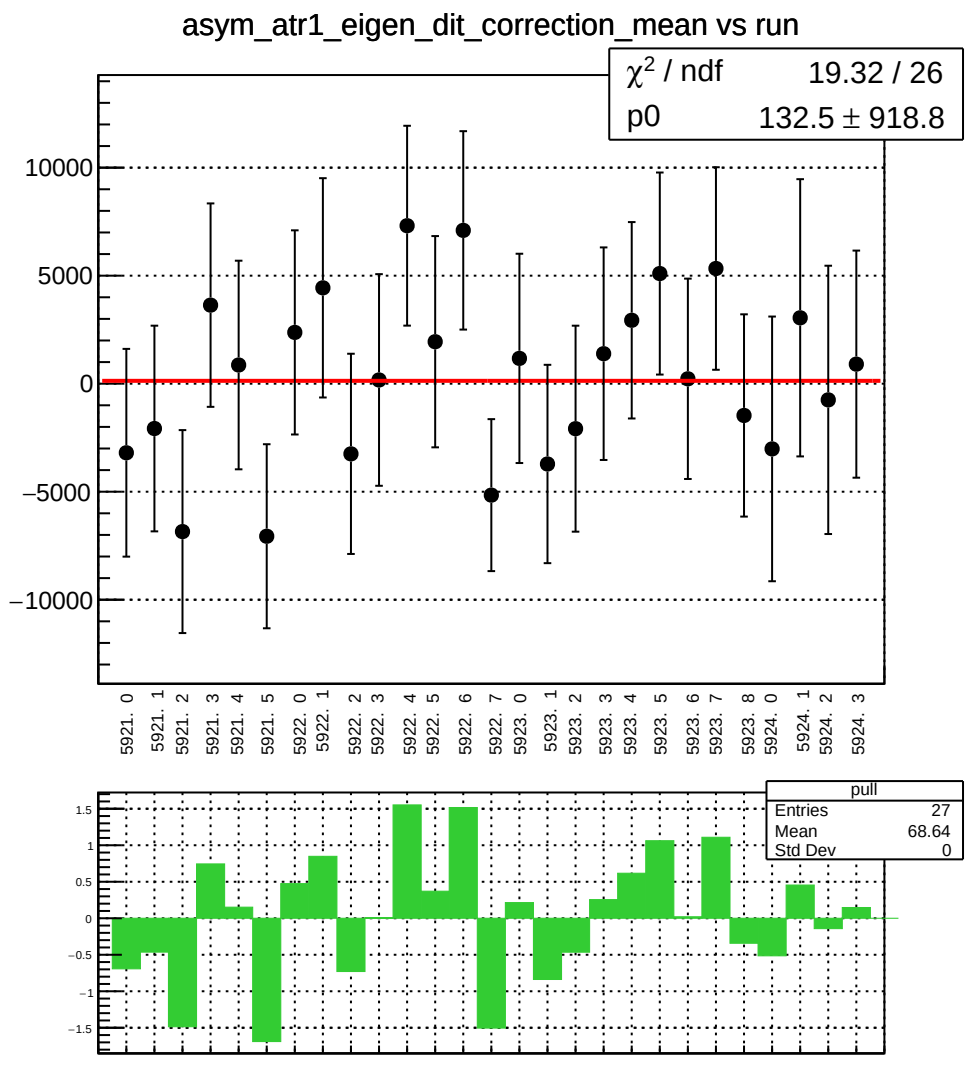

pull1D
Entries 27
Mean 0.0252
Std Dev 0.8455
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

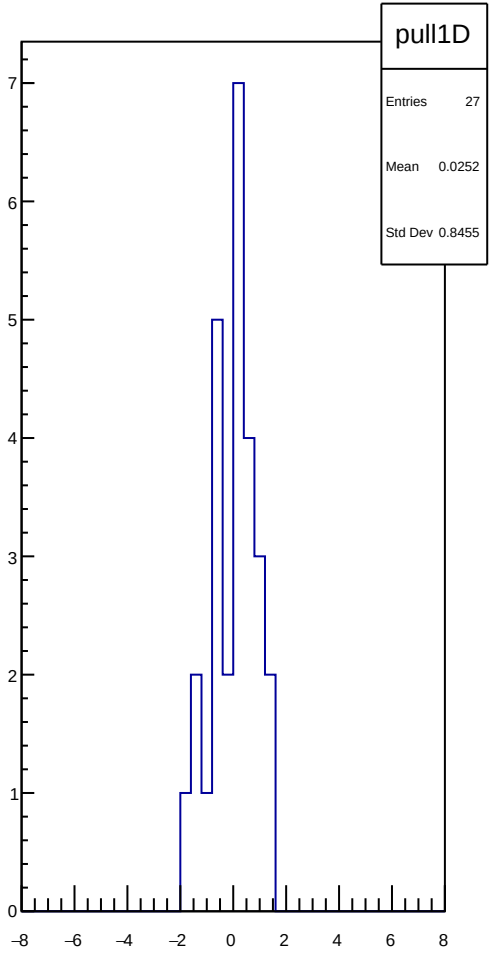

asym_atr1_dit_correction_rms vs run
χ² / ndf 5022 / 26
p0 464.9 ± 0.6497
640
620
600
580
560
540
520
500
480
460
440
420
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

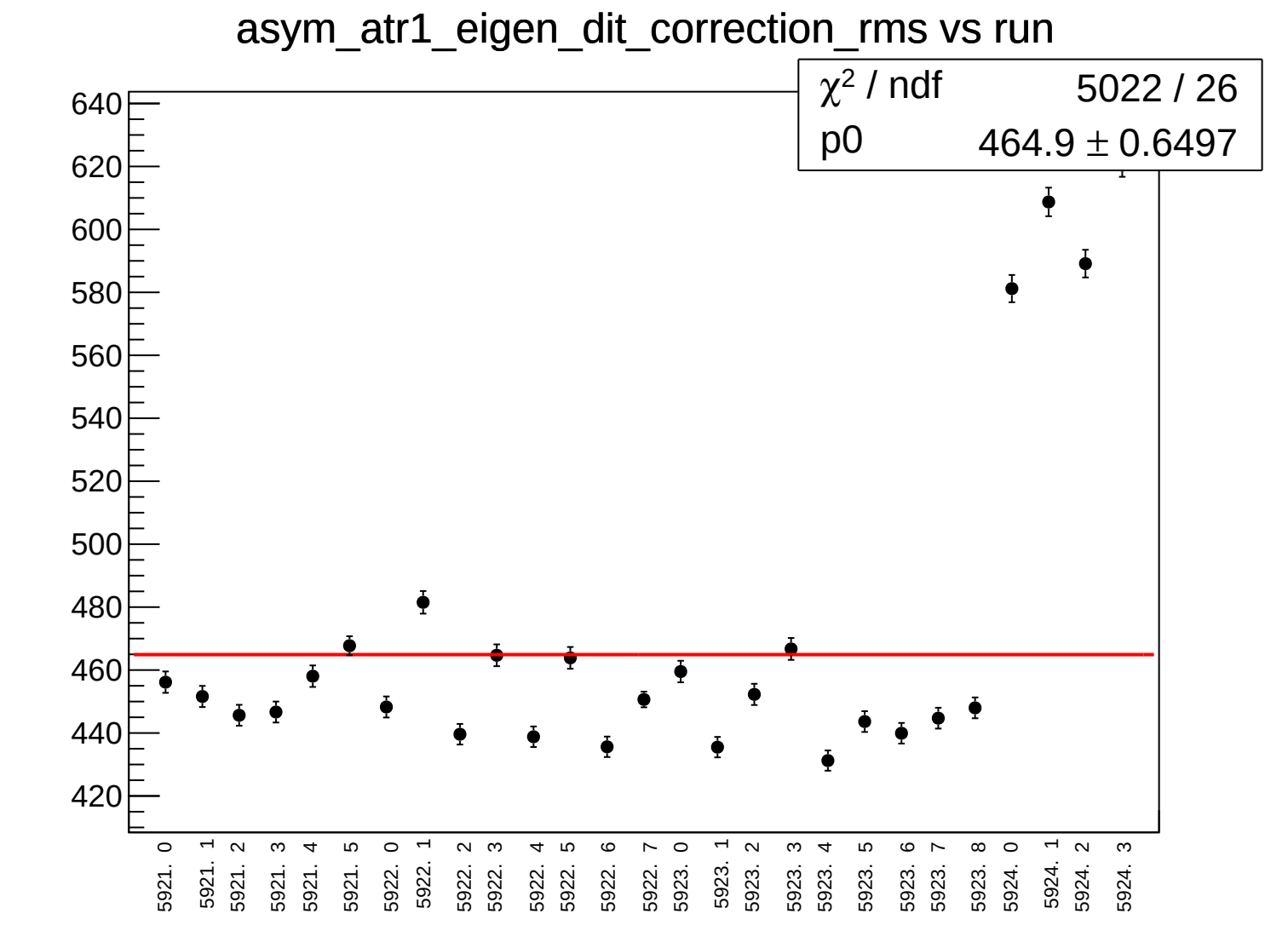

eigen_dit_asym_atr1_mean vs run
×10^3
χ² / ndf 29.64 / 26
p0 −1713 ± 5883
50
0
−50
−100
−150
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −8.858
Std Dev 0
1
0
−1
−2
−3

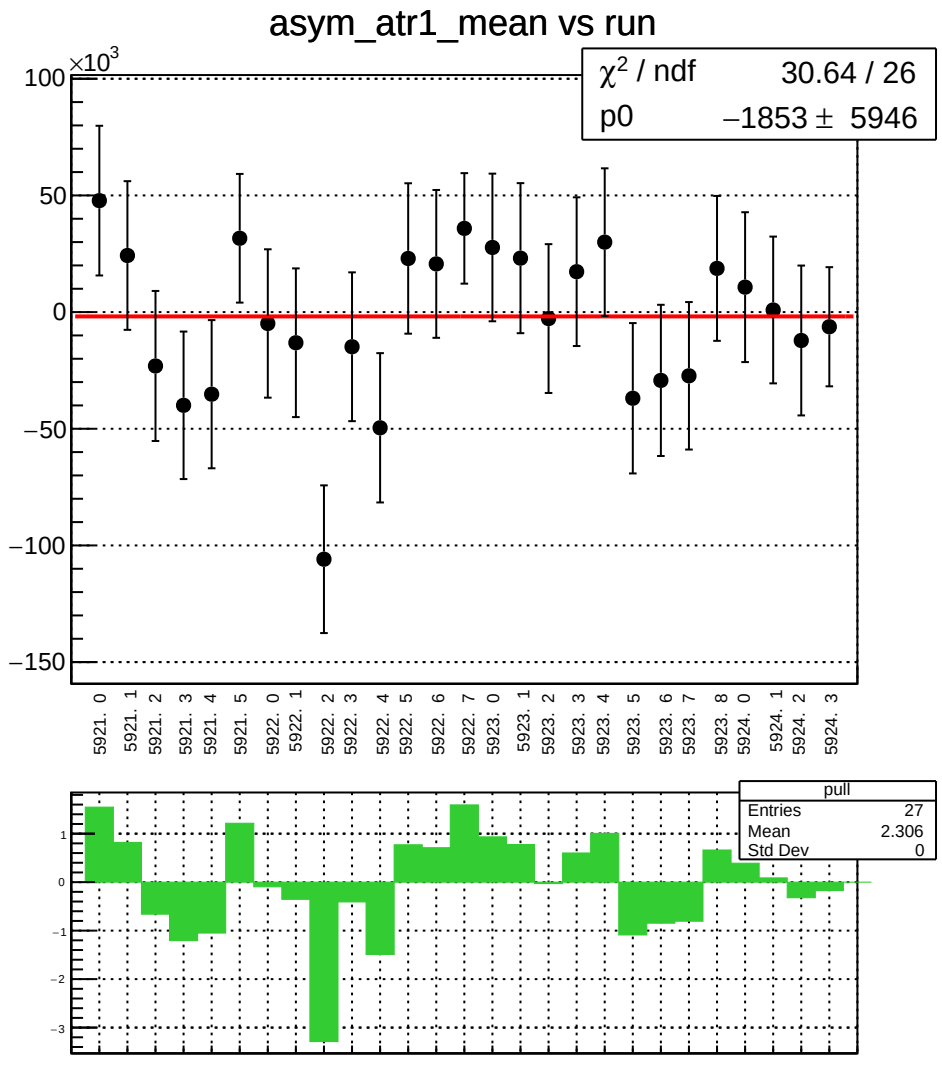

pull1D
Entries 27
Mean −0.02263
Std Dev 1.047
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

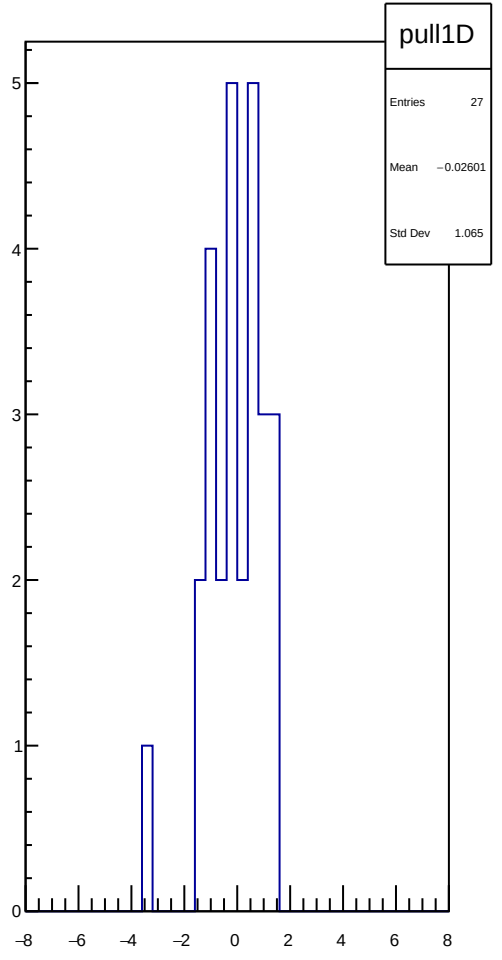

eigen_dit_asym_atr1_rms vs run
χ² / ndf 33.22 / 26
p0 2991 ± 4.16
3080
3060
3040
3020
3000
2980
2960
2940
2920
2900
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

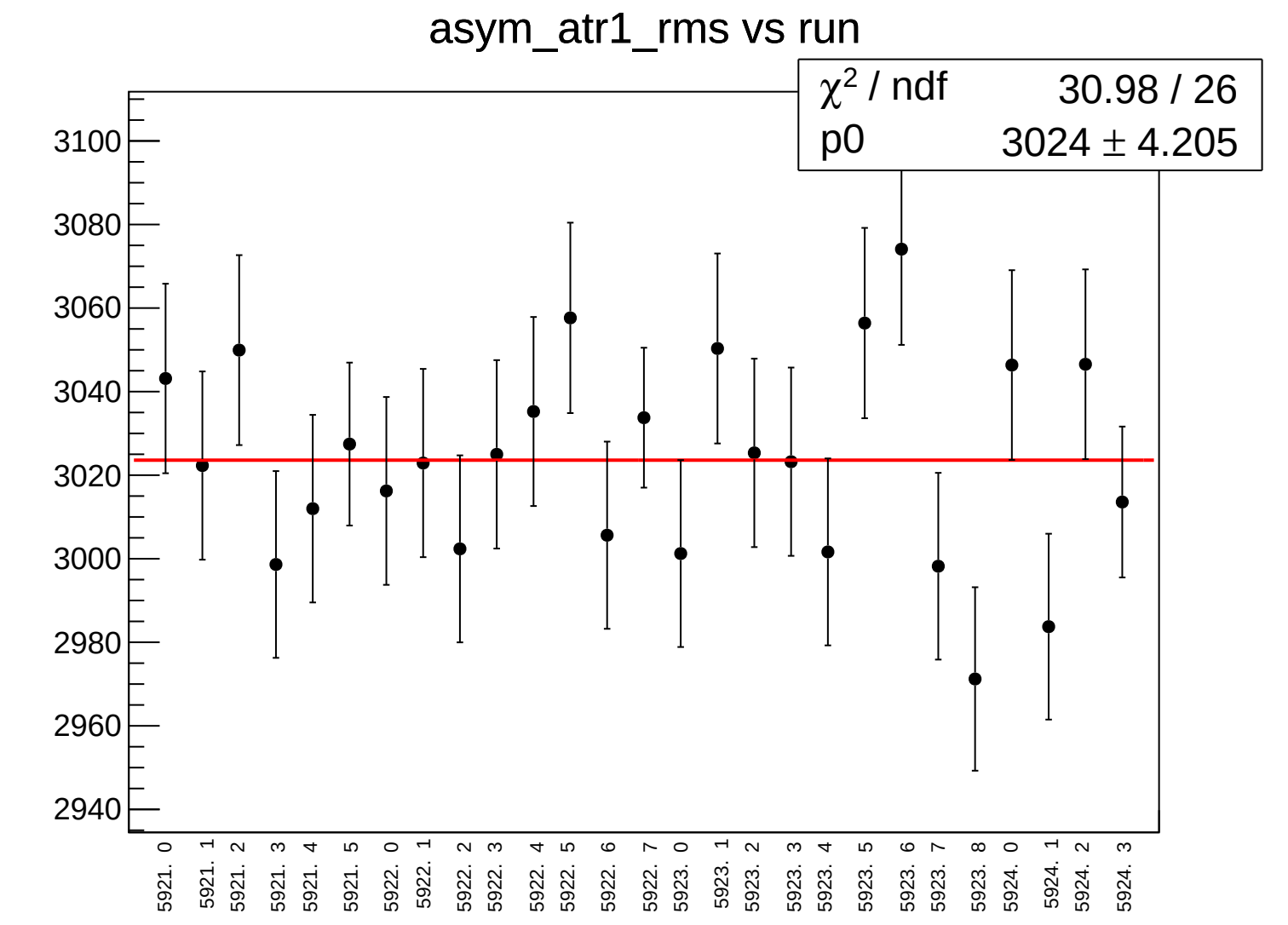

asym_atr1_eigen_dit_correction_mean vs run
χ² / ndf 19.32 / 26
p0 132.5 ± 918.8
10000
5000
0
−5000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 68.64
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

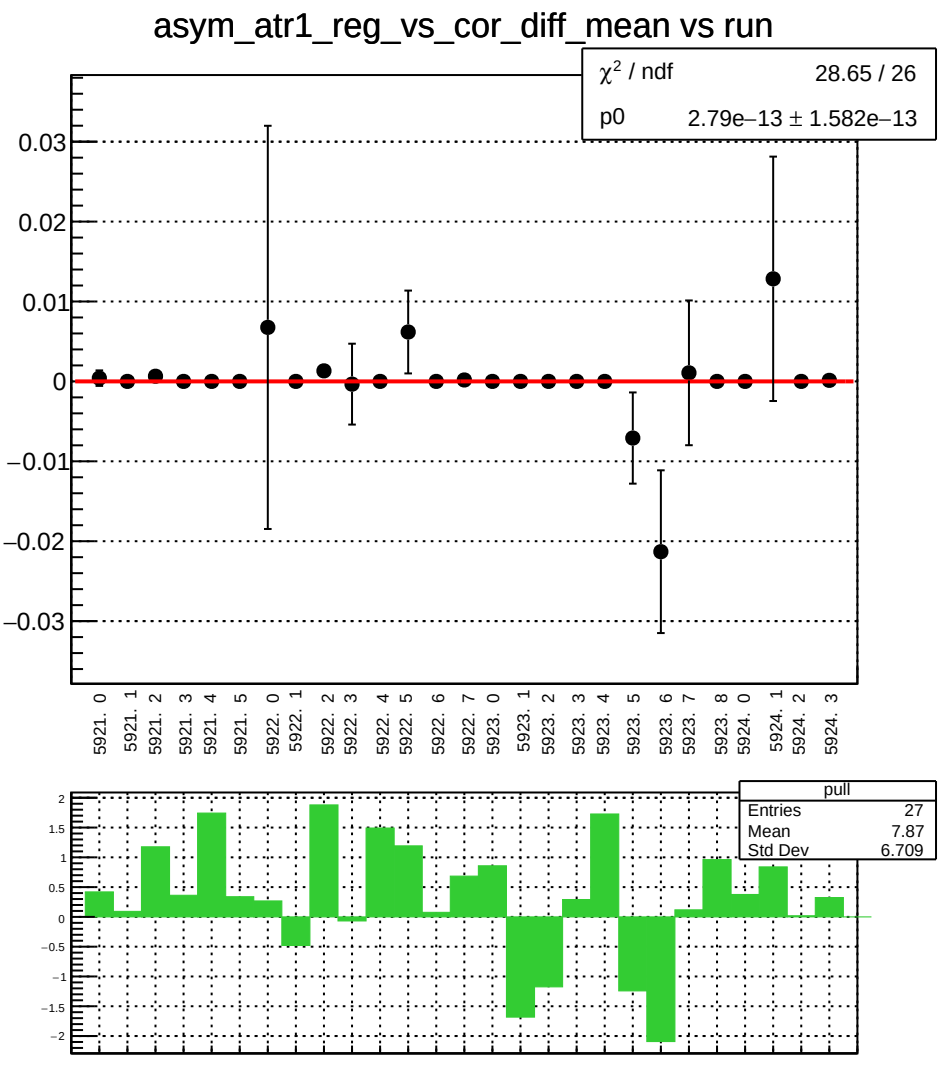

pull1D
Entries 27
Mean 0.0252
Std Dev 0.8455
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

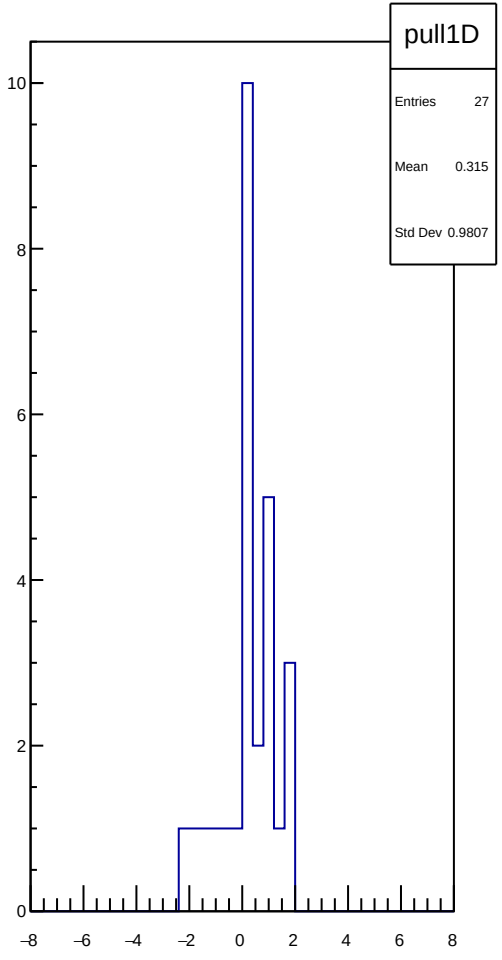

asym_atr1_eigen_dit_correction_rms vs run
χ² / ndf 5022 / 26
p0 464.9 ± 0.6497
640
620
600
580
560
540
520
500
480
460
440
420
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

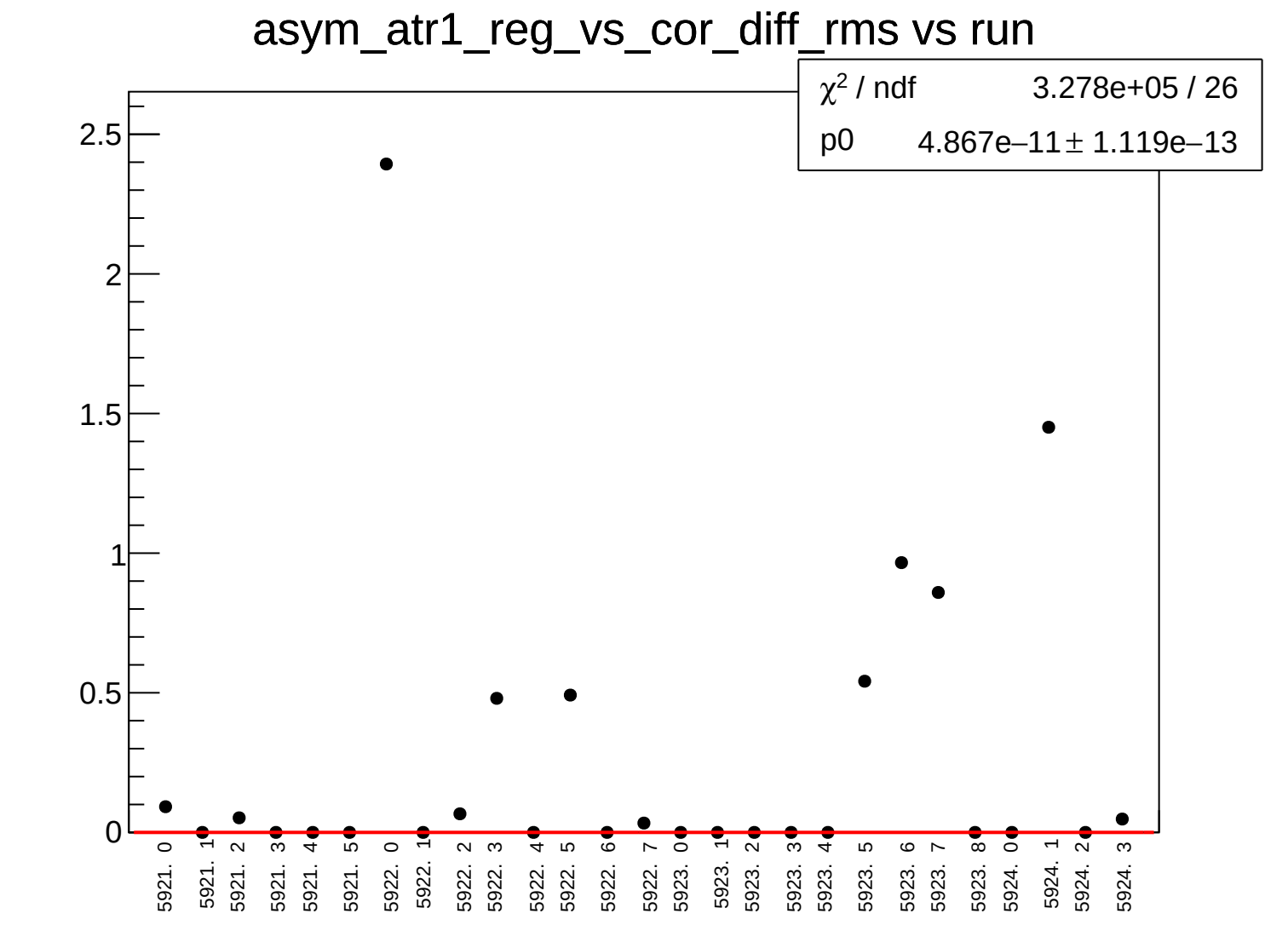

asym_atr1_mean vs run
×10^3
100
50
0
−50
−100
−150
χ² / ndf 30.64 / 26
p0 −1853 ± 5946
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 2.306
Std Dev 0
1
0
−1
−2
−3

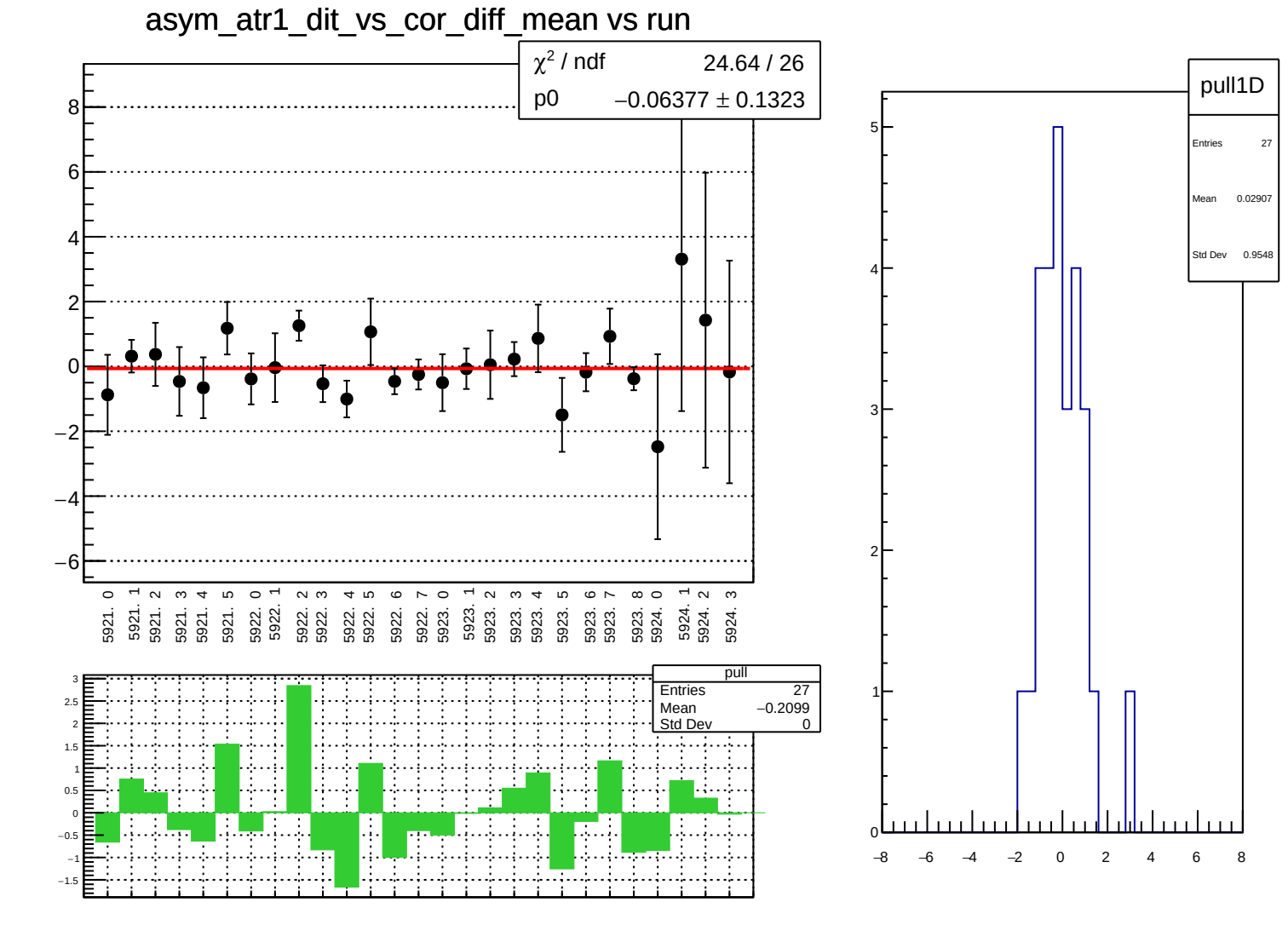

pull1D
Entries 27
Mean −0.02601
Std Dev 1.065
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

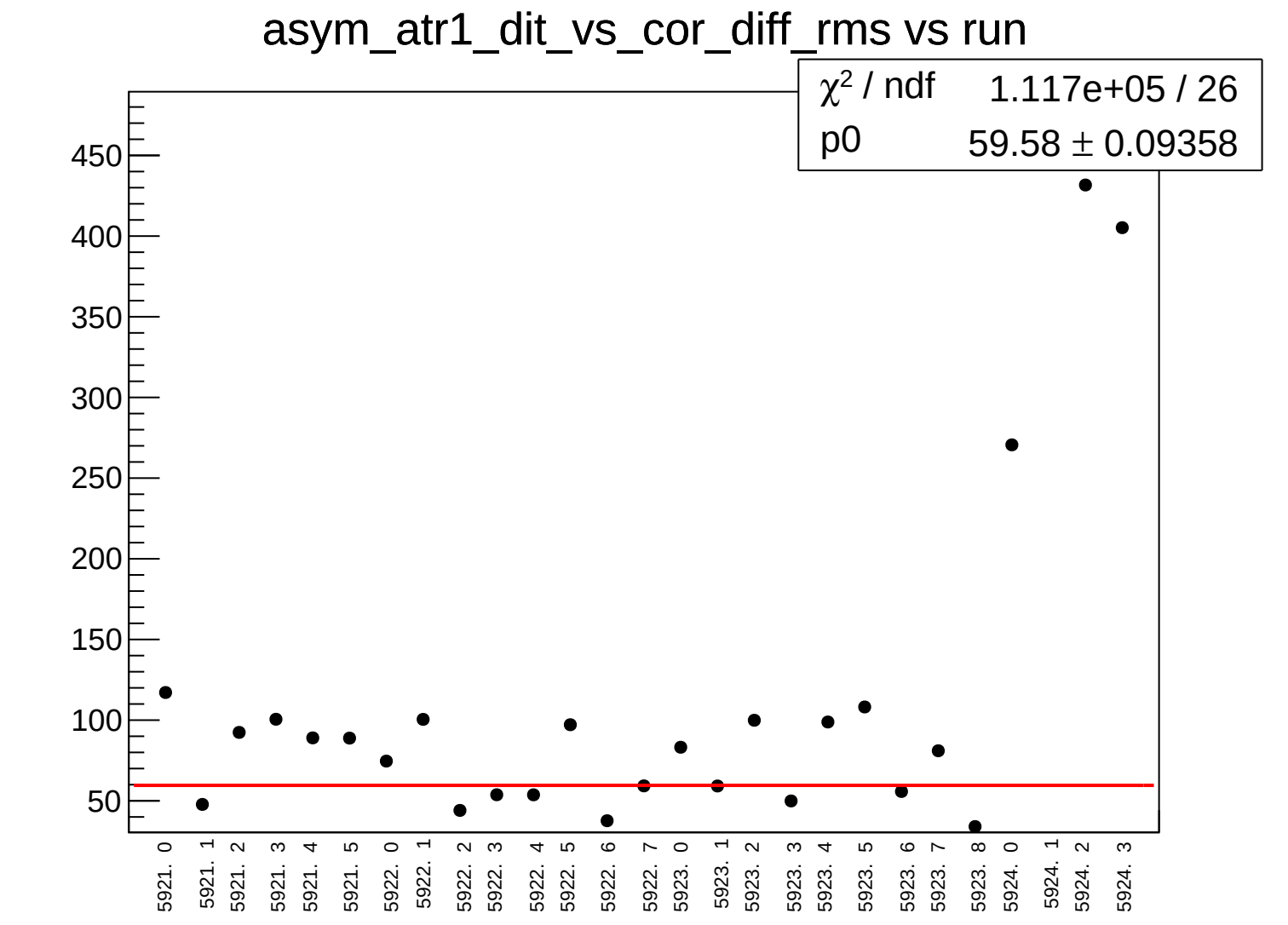

asym_atr1_rms vs run
χ² / ndf 30.98 / 26
p0 3024 ± 4.205
3100
3080
3060
3040
3020
3000
2980
2960
2940
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

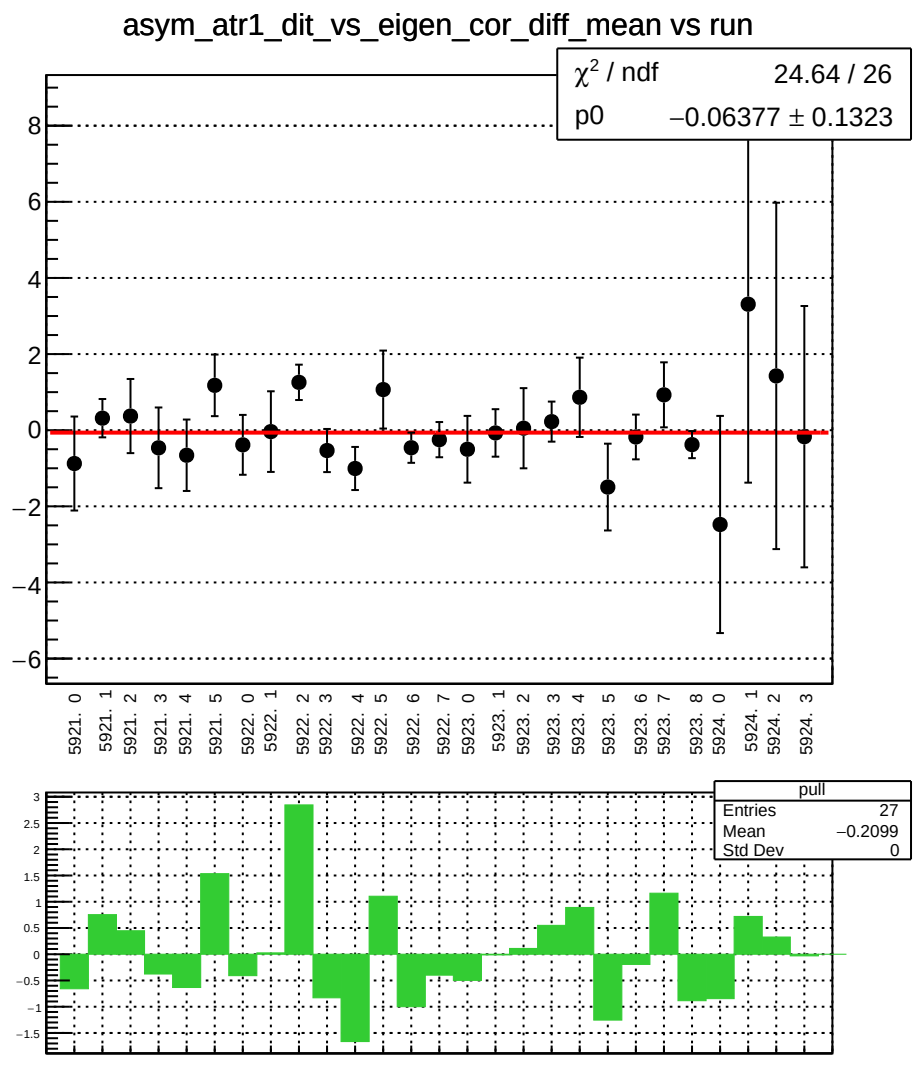

asym_atr1_reg_vs_cor_diff_mean vs run
χ² / ndf 28.65 / 26
p0 2.79e−13 ± 1.582e−13
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 7.87
Std Dev 6.709
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

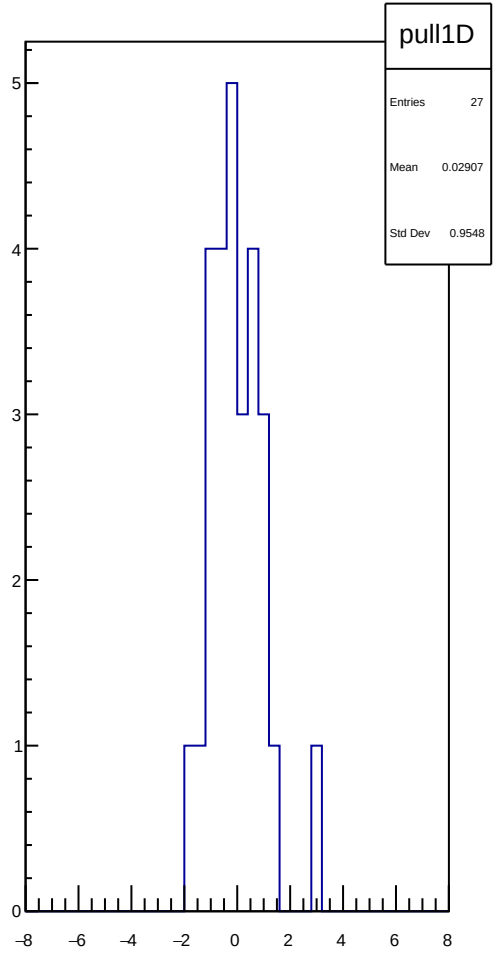

pull1D
Entries 27
Mean 0.315
Std Dev 0.9807
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

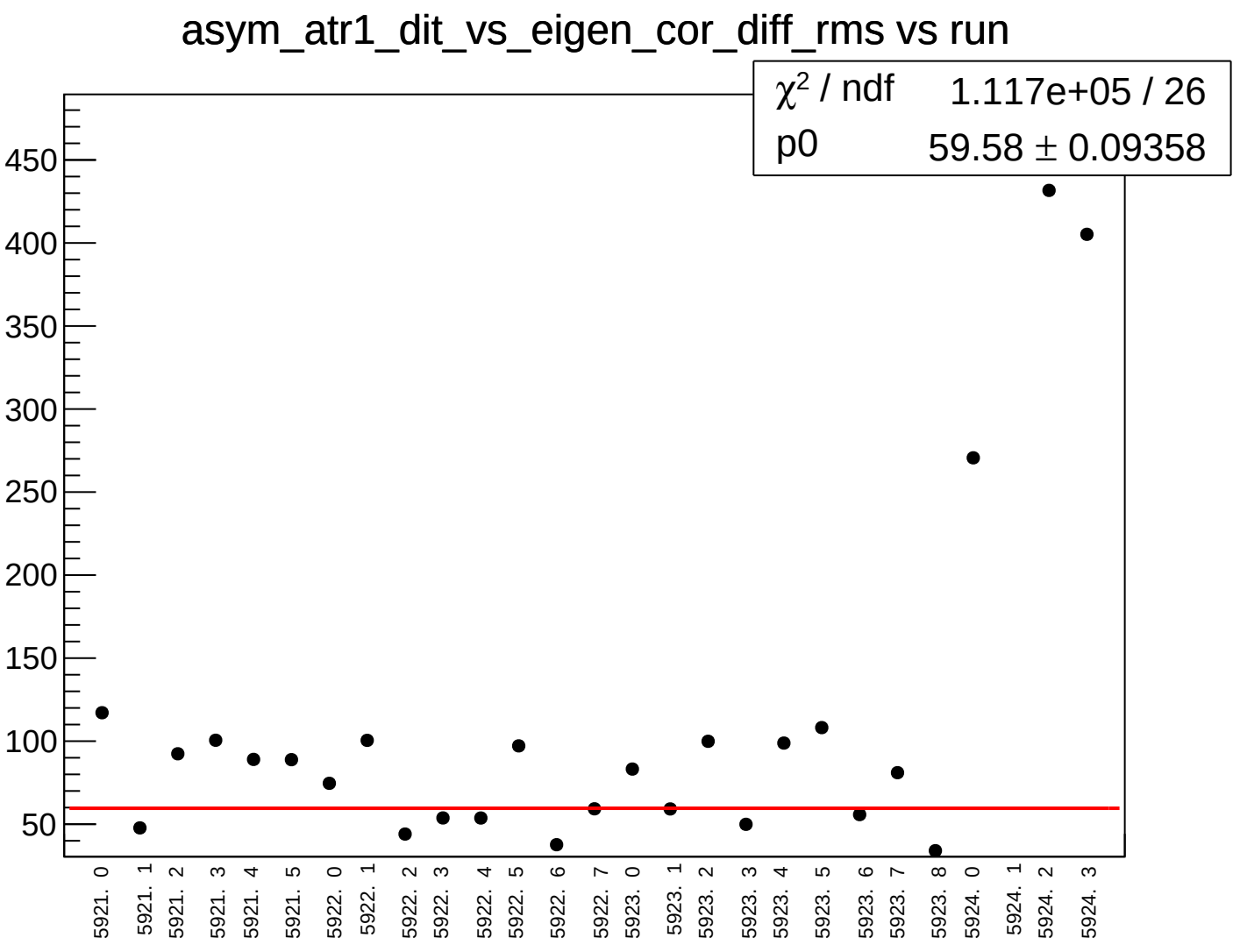

asym_atr1_reg_vs_cor_diff_rms vs run
χ² / ndf 3.278e+05 / 26
p0 4.867e−11 ± 1.119e−13
2.5
2
1.5
1
0.5
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

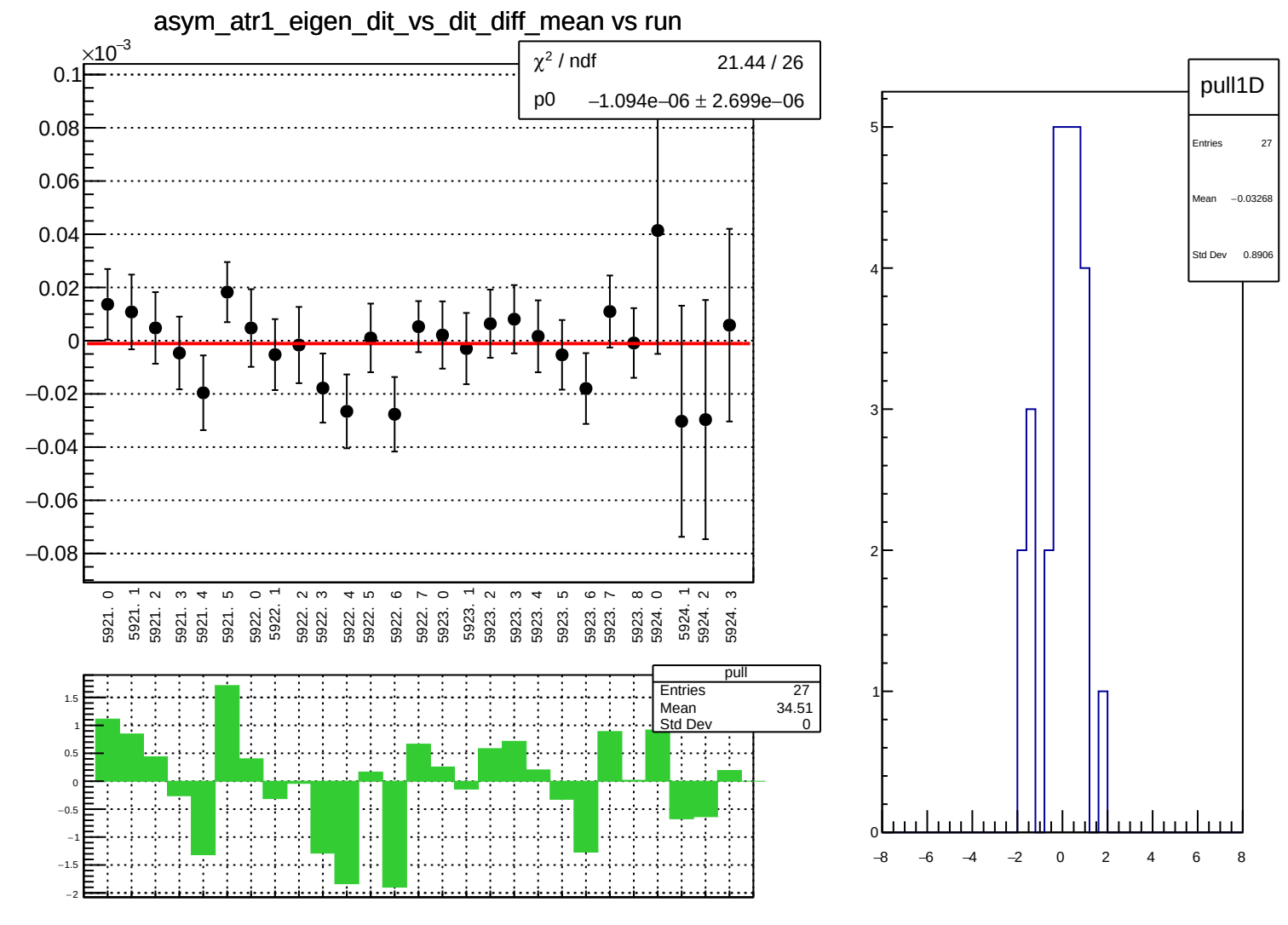

asym_atr1_dit_vs_cor_diff_mean vs run
χ² / ndf 24.64 / 26
p0 −0.06377 ± 0.1323
pull
Entries 27
Mean −0.2099
Std Dev 0
pull1D
Entries 27
Mean 0.02907
Std Dev 0.9548

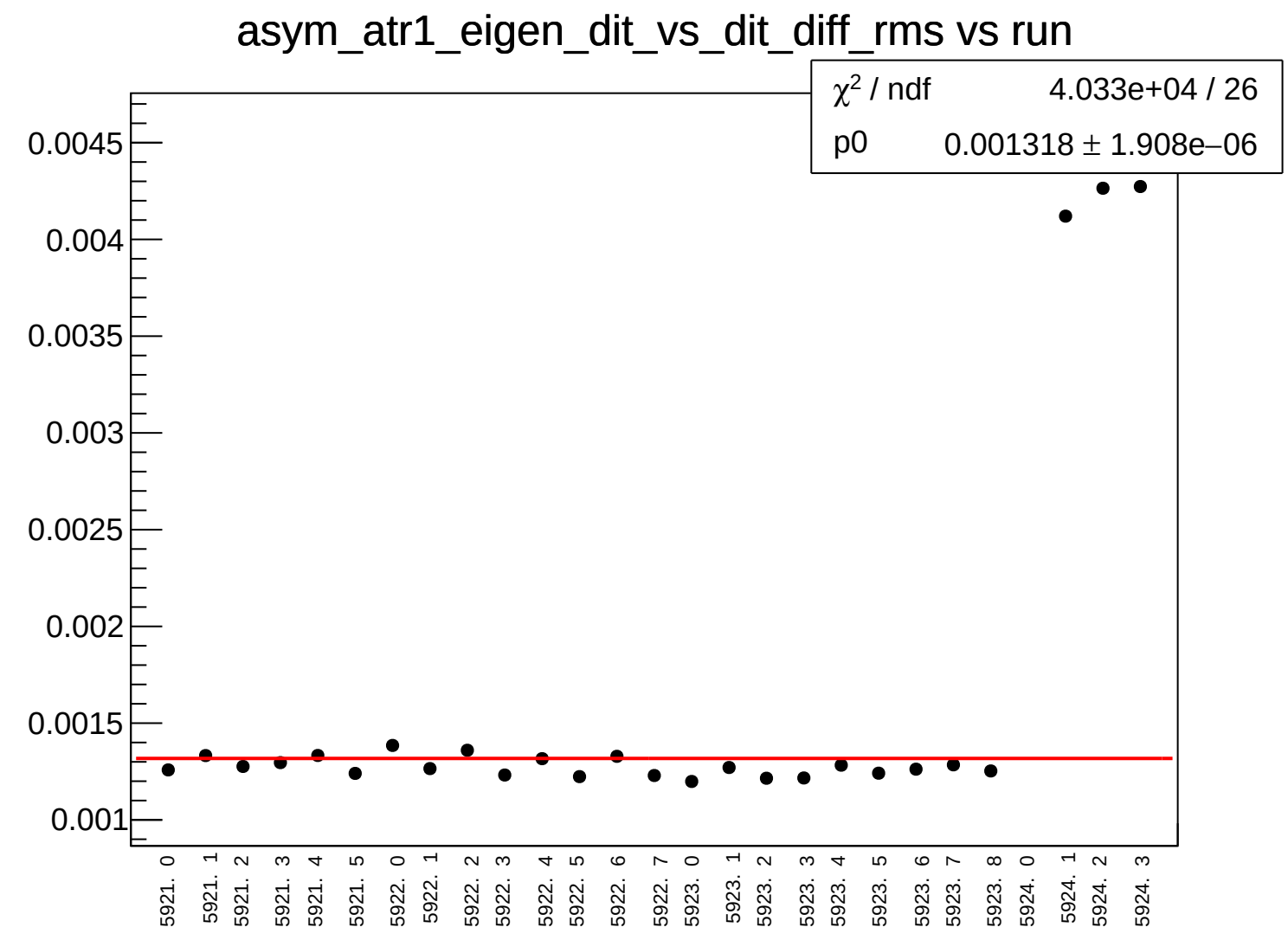

asym_atr1_dit_vs_cor_diff_rms vs run
χ² / ndf 1.117e+05 / 26
p0 59.58 ± 0.09358
450
400
350
300
250
200
150
100
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

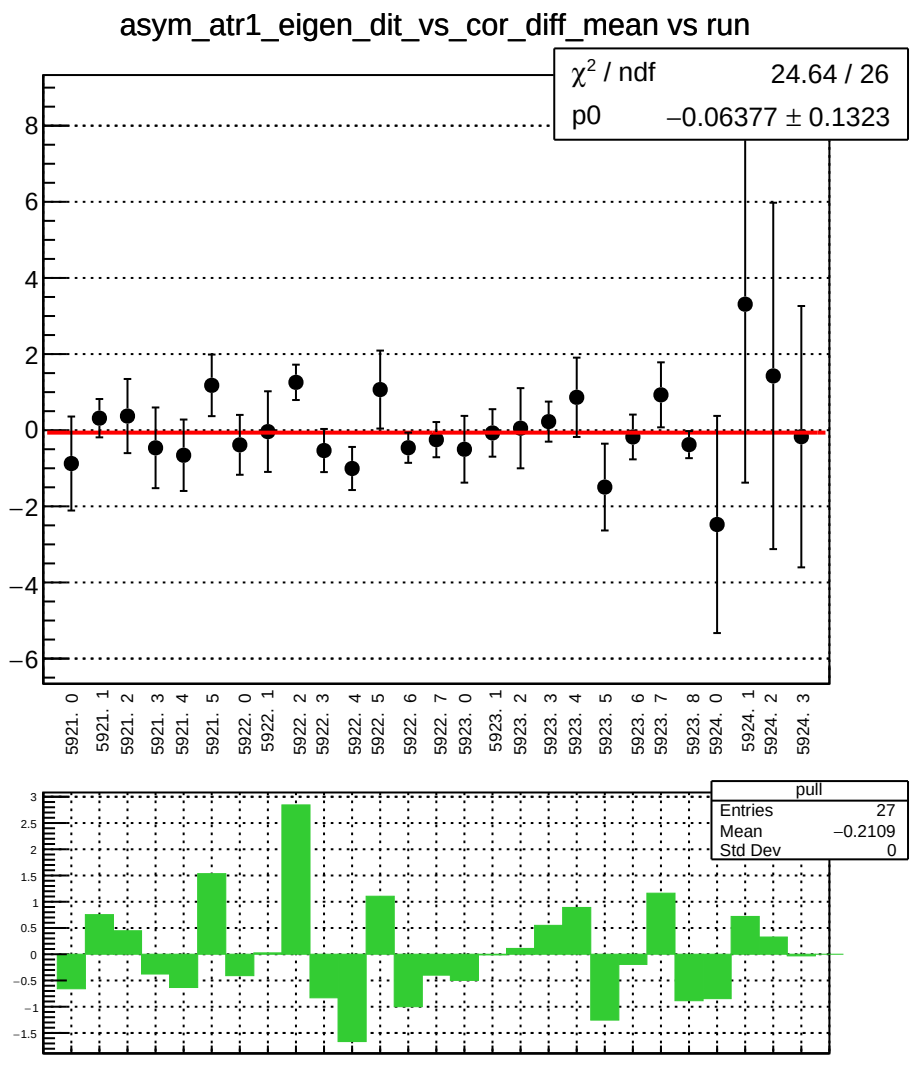

asym_atr1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 24.64 / 26
p0 −0.06377 ± 0.1323
8
6
4
2
0
−2
−4
−6
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −0.2099
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

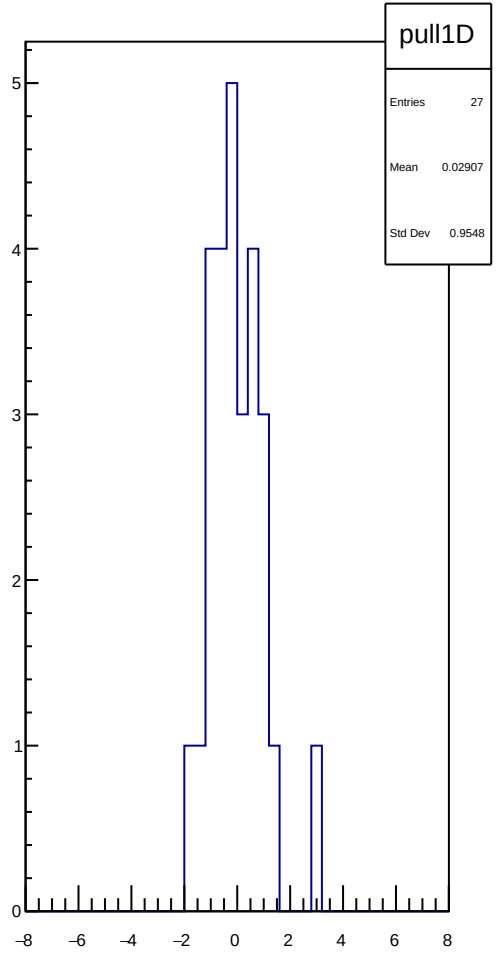

pull1D
Entries 27
Mean 0.02907
Std Dev 0.9548
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

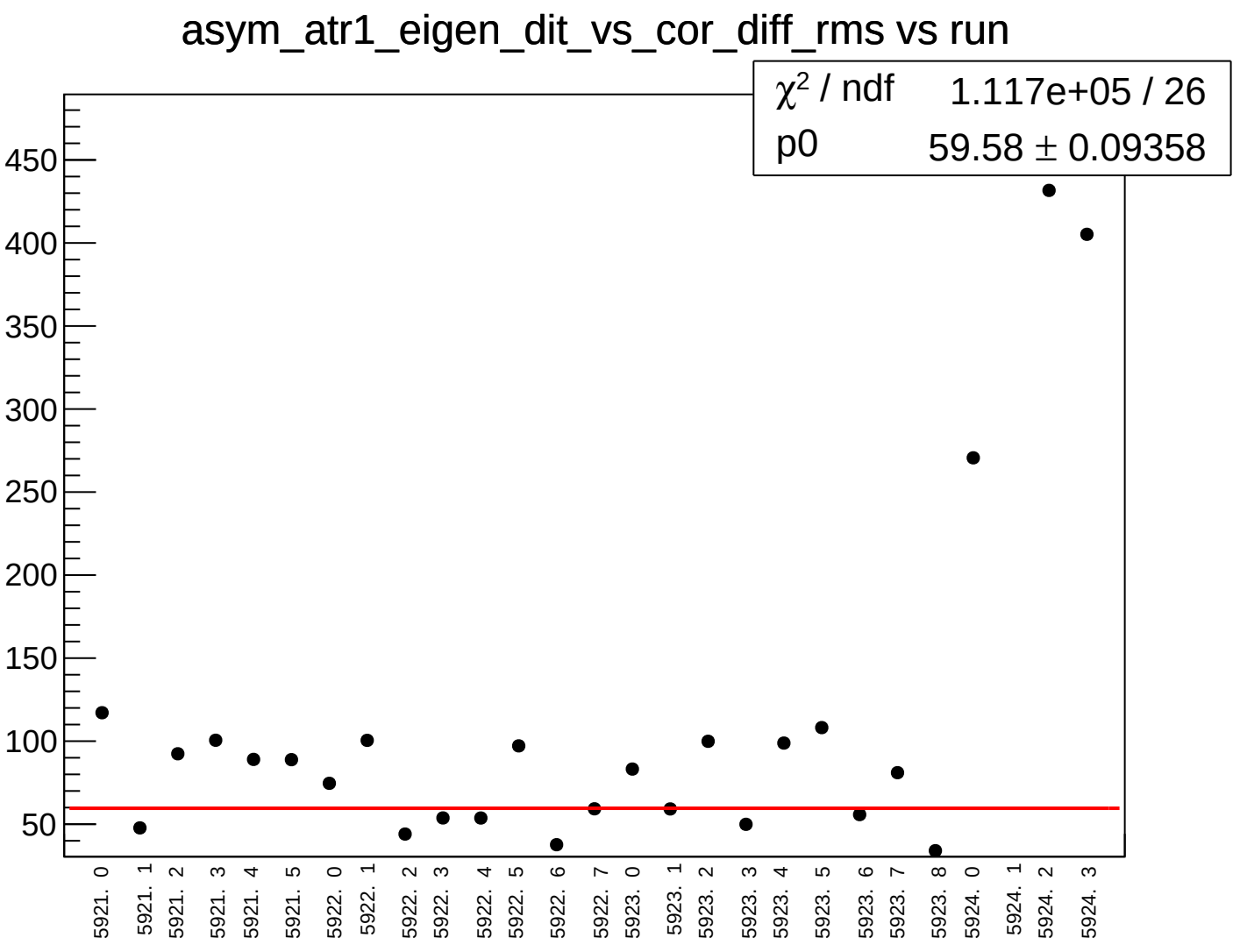

asym_atr1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.117e+05 / 26
p0 59.58 ± 0.09358
450
400
350
300
250
200
150
100
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

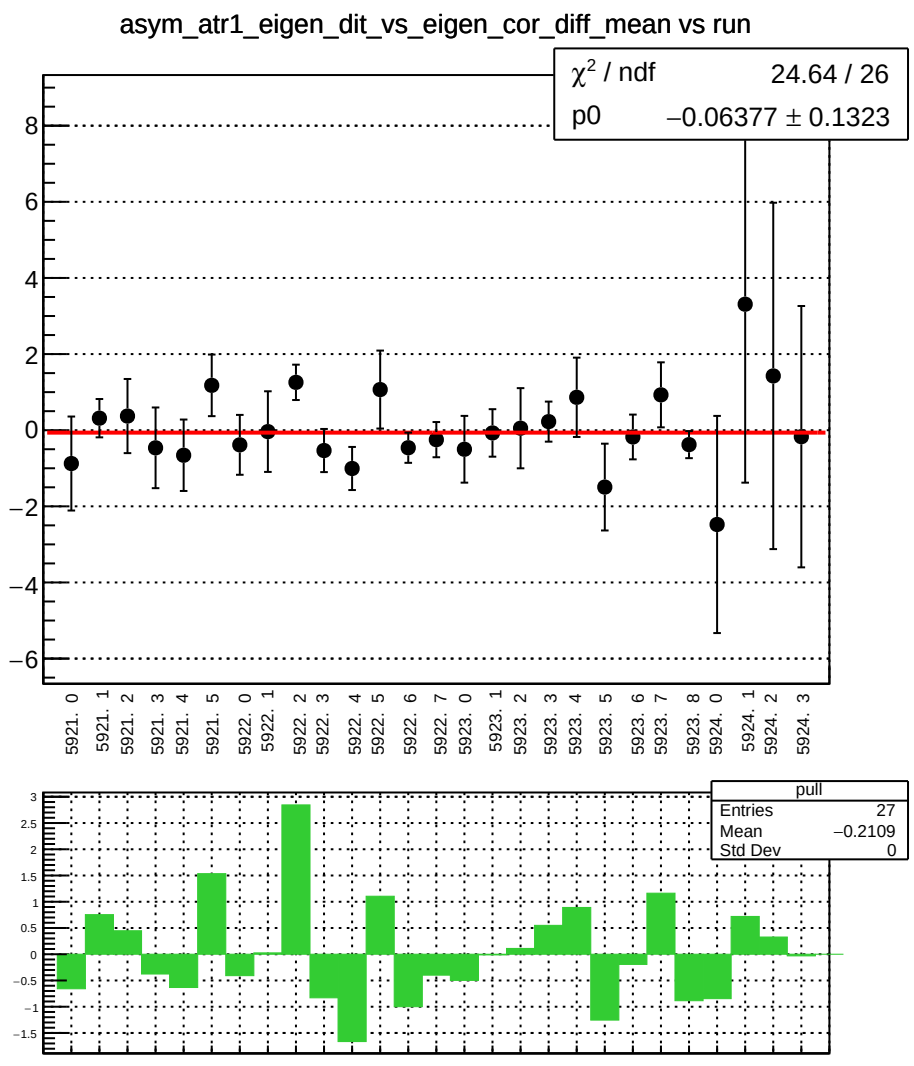

asym_atr1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 21.44 / 26
p0 −1.094e−06 ± 2.699e−06
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 34.51
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.03268
Std Dev 0.8906
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

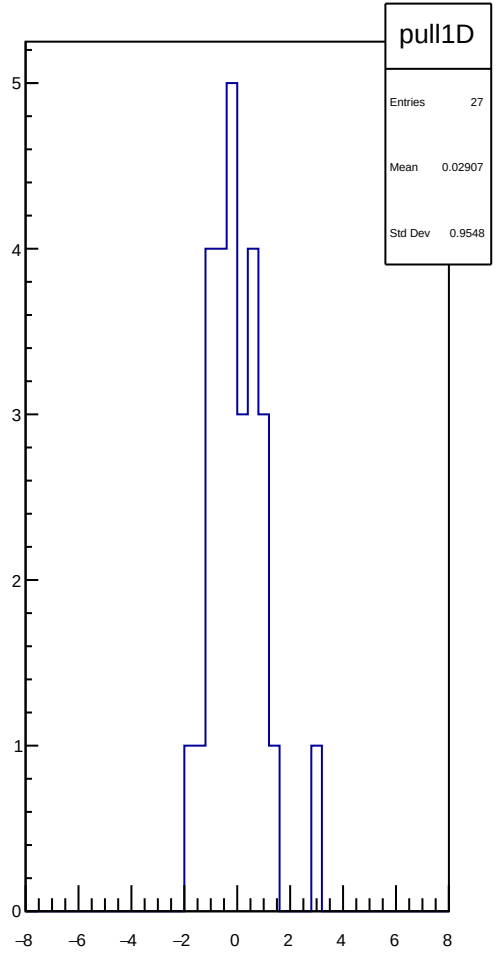

asym_atr1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.033e+04 / 26
p0 0.001318 ± 1.908e−06
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

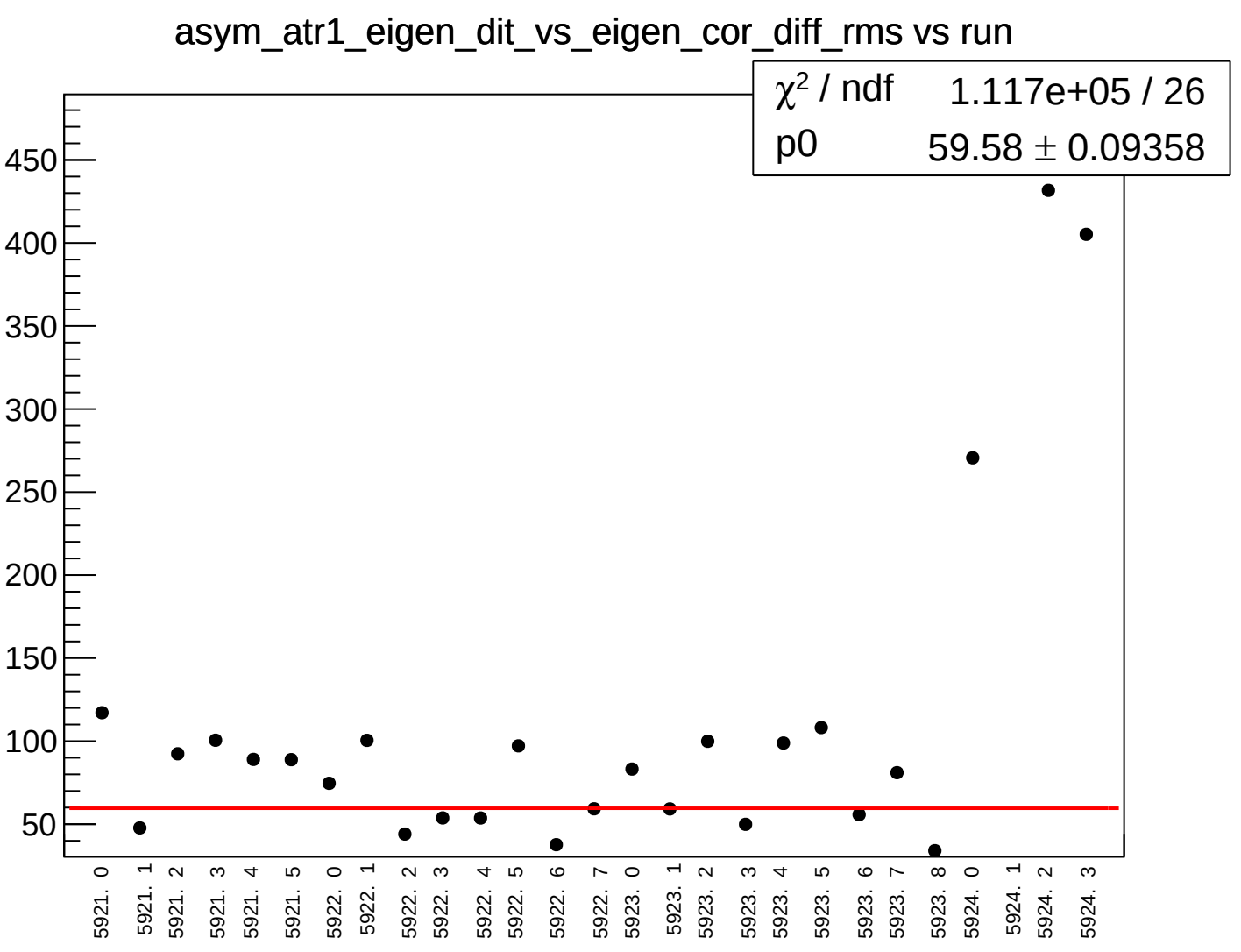

asym_atr1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 24.64 / 26
p0 −0.06377 ± 0.1323
8
6
4
2
0
−2
−4
−6
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −0.2109
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

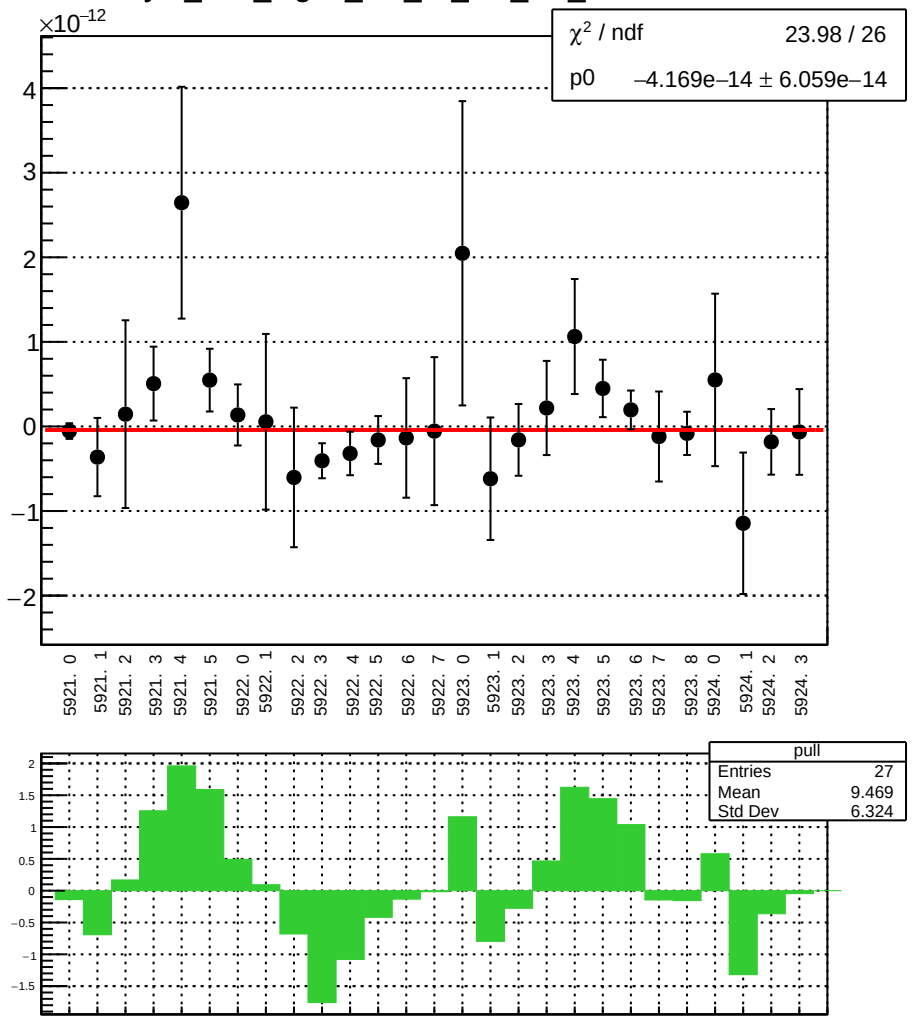

pull1D
Entries 27
Mean 0.02907
Std Dev 0.9548
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

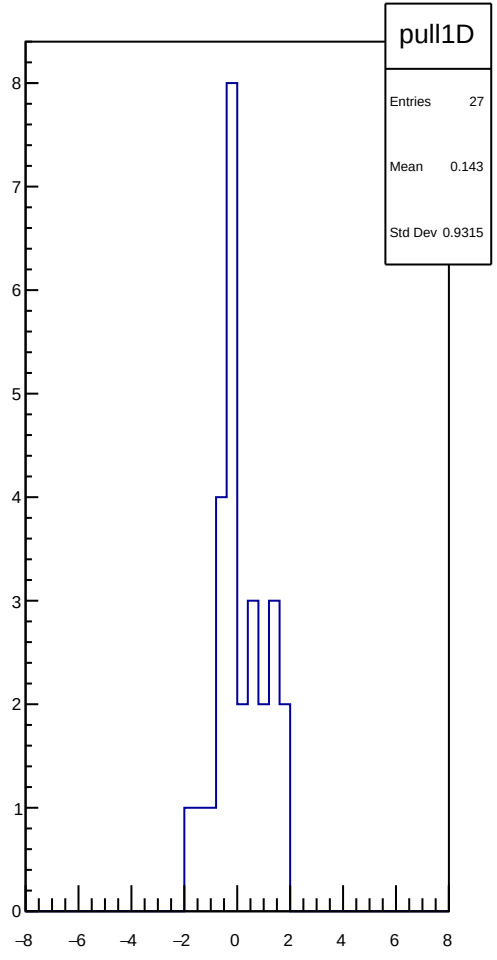

asym_atr1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.117e+05 / 26
p0 59.58 ± 0.09358
450
400
350
300
250
200
150
100
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

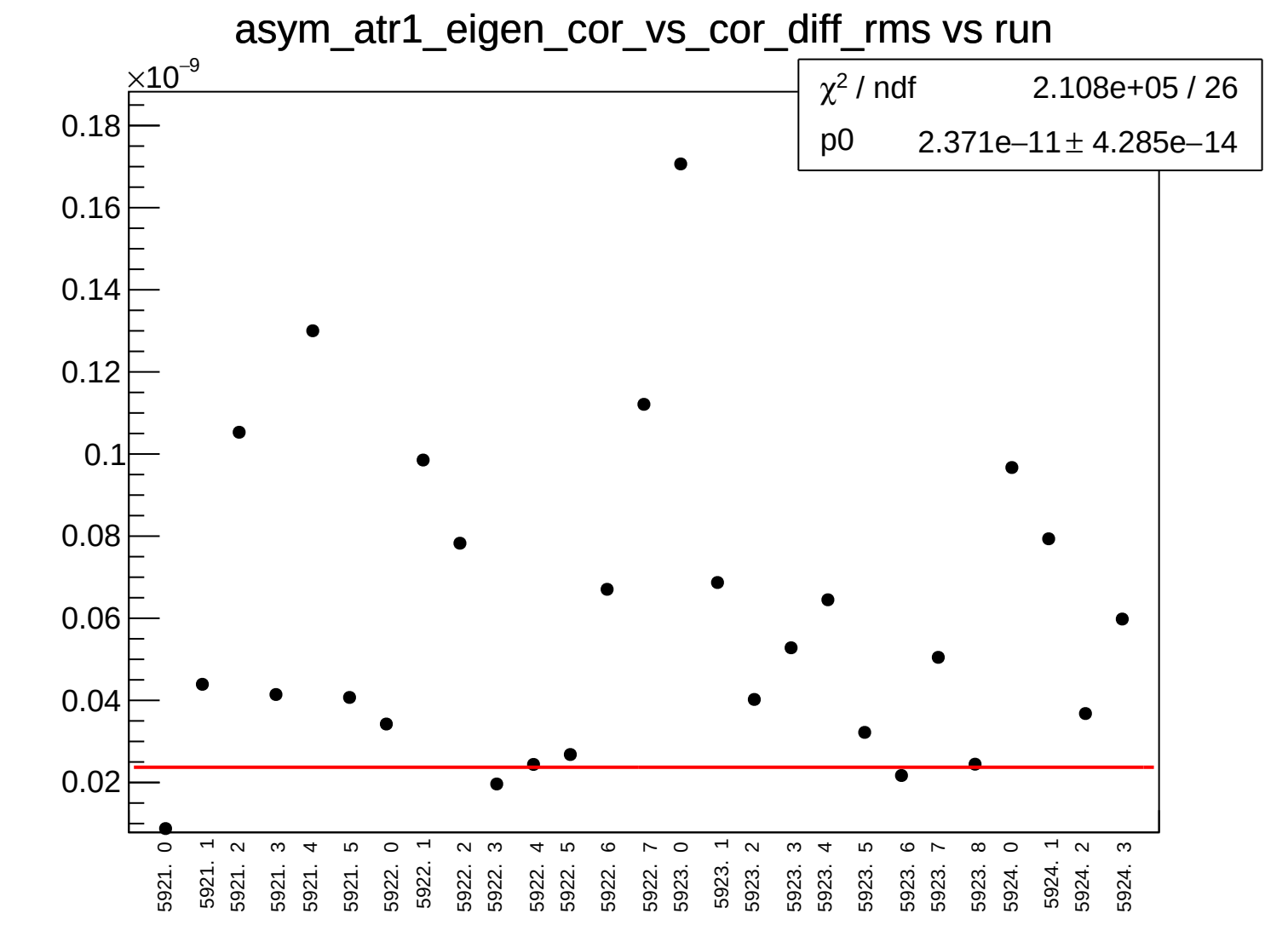

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 24.64 / 26
p0 −0.06377 ± 0.1323
8
6
4
2
0
−2
−4
−6
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −0.2109
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

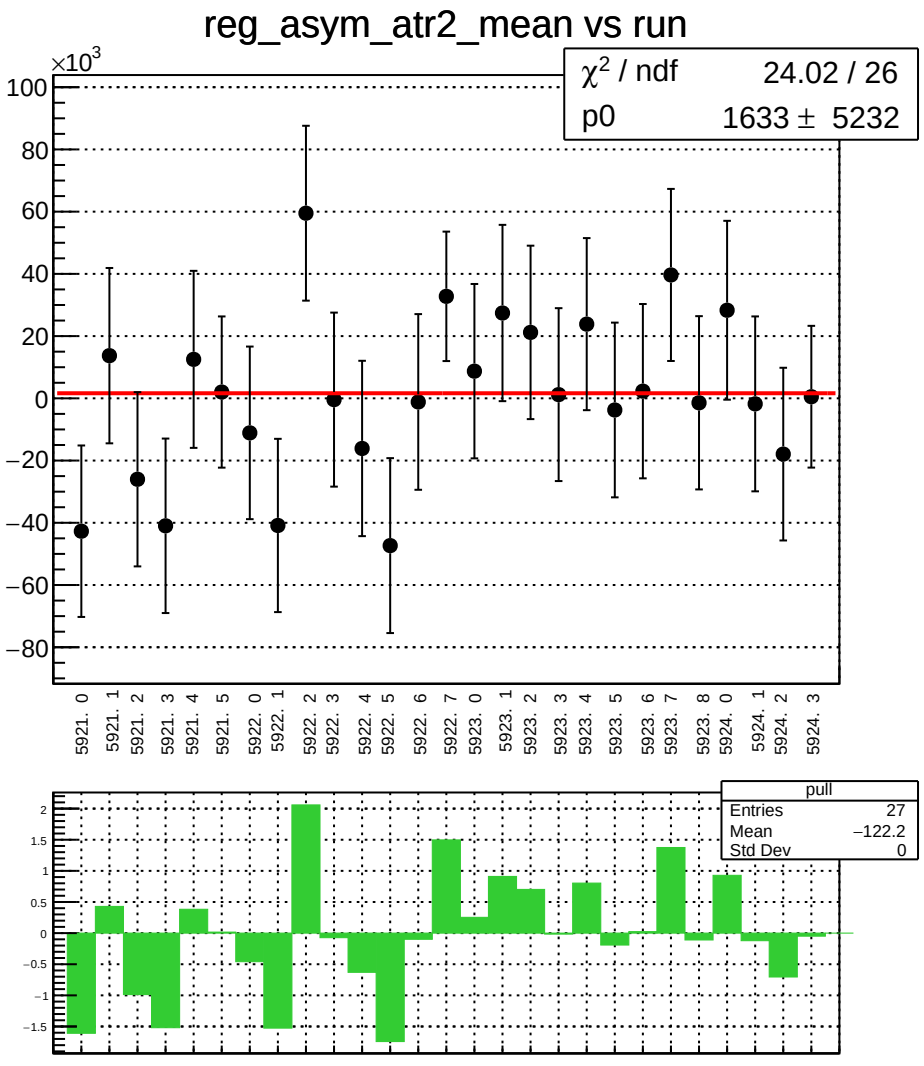

pull1D
Entries 27
Mean 0.02907
Std Dev 0.9548
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

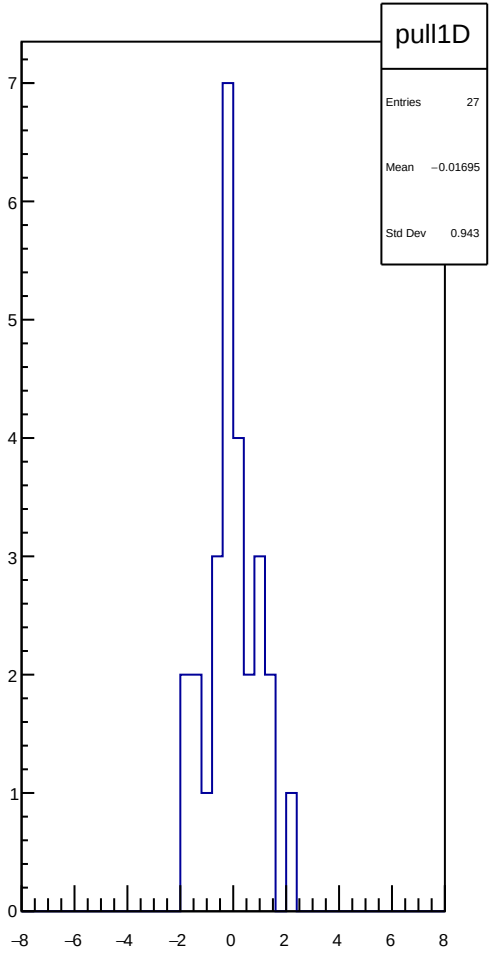

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.117e+05 / 26
p0 59.58 ± 0.09358
450
400
350
300
250
200
150
100
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

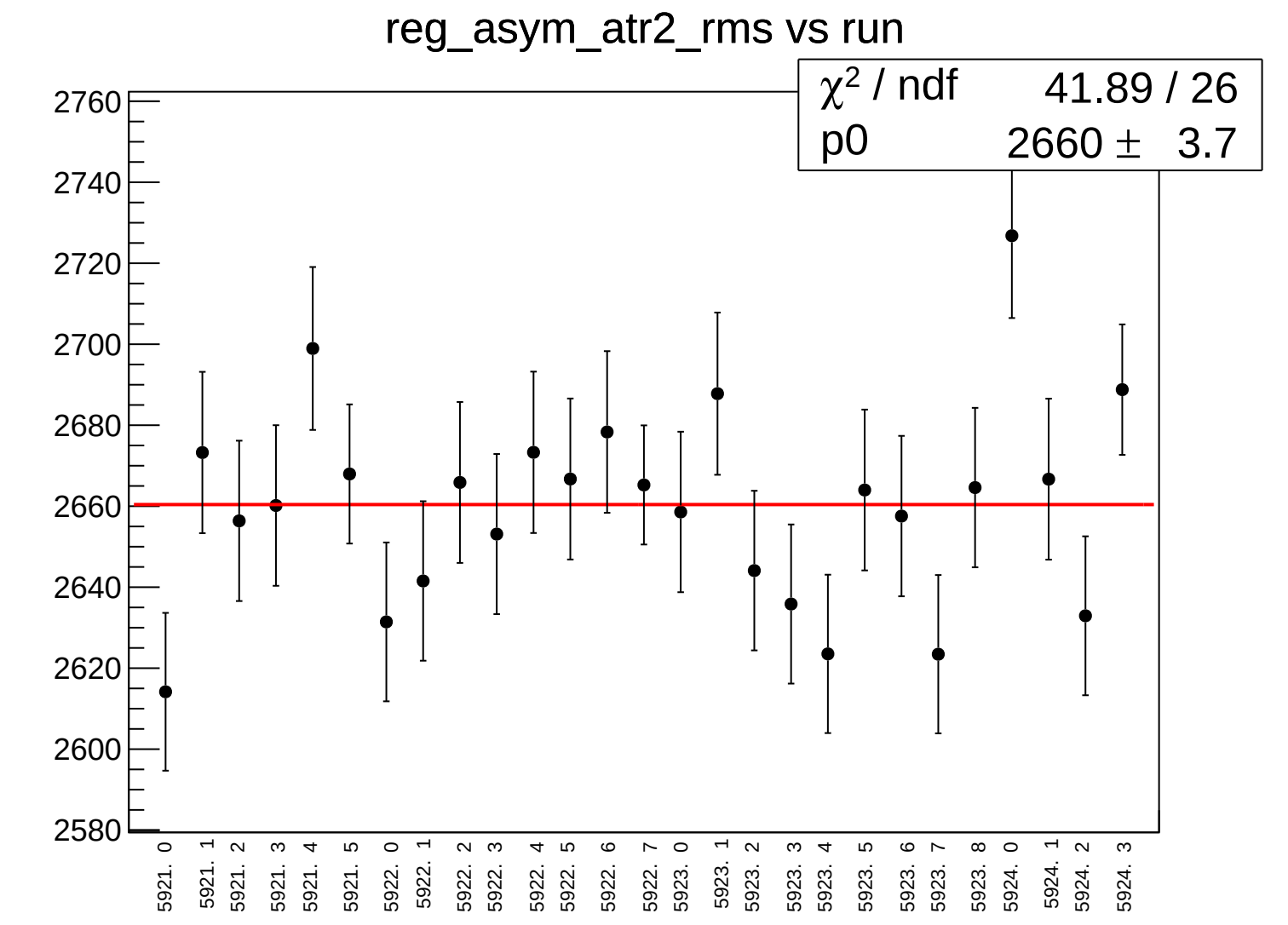

asym_atr1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 23.98 / 26
p0 −4.169e−14 ± 6.059e−14
4
3
2
1
0
−1
−2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 9.469
Std Dev 6.324
2
1.5
1
0.5
0
−0.5
−1
−1.5

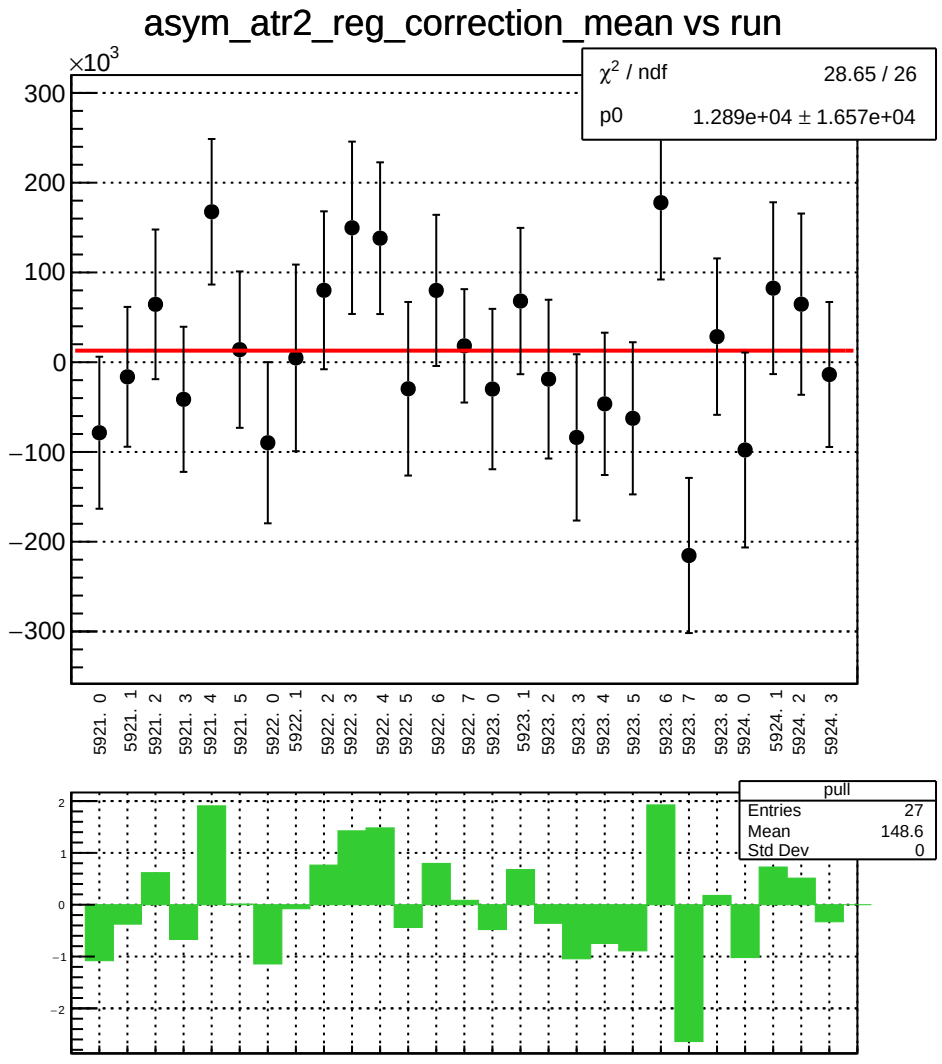

pull1D
Entries 27
Mean 0.143
Std Dev 0.9315
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

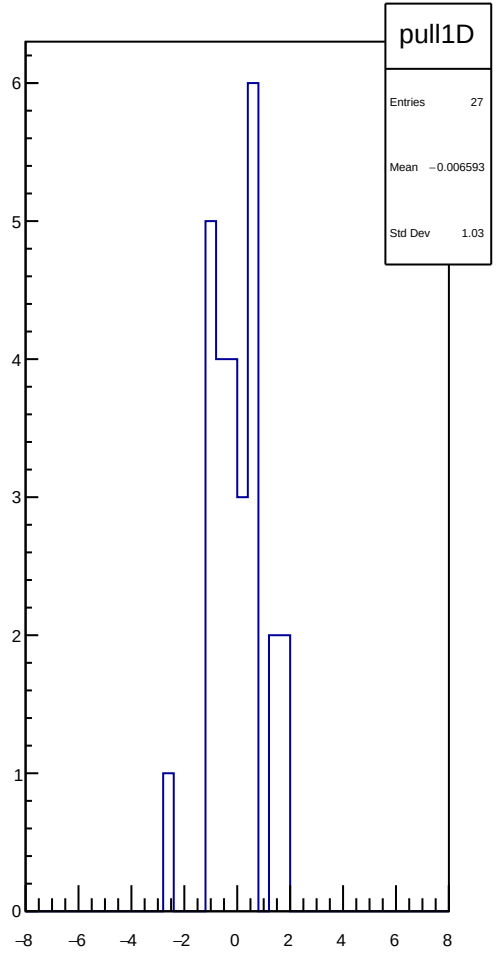

asym_atr1_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.108e+05 / 26
p0 2.371e−11 ± 4.285e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

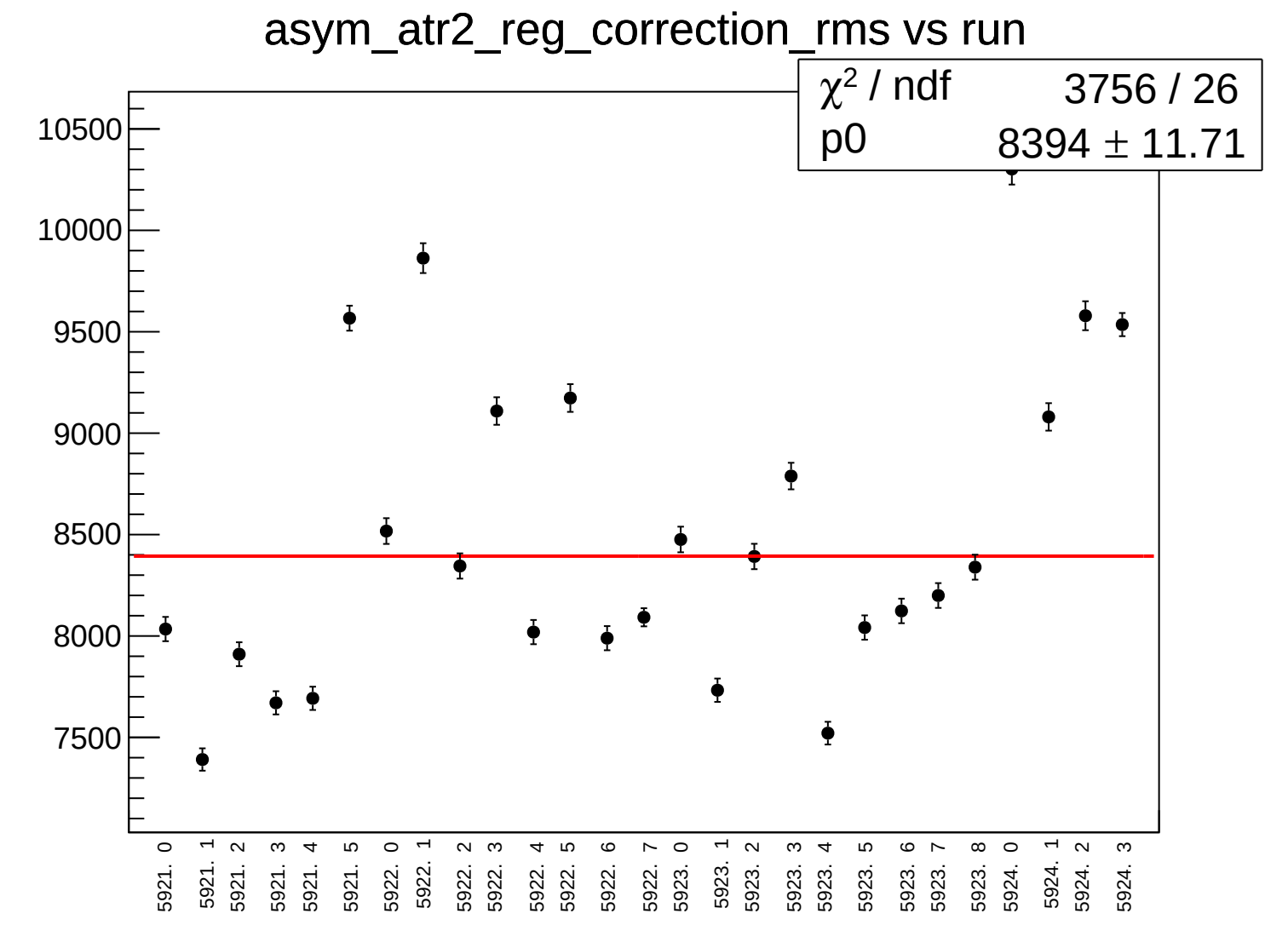

reg_asym_atr2_mean vs run
×10^3
χ^2 / ndf 24.02 / 26
p0 1633 ± 5232
100
80
60
40
20
0
−20
−40
−60
−80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −122.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

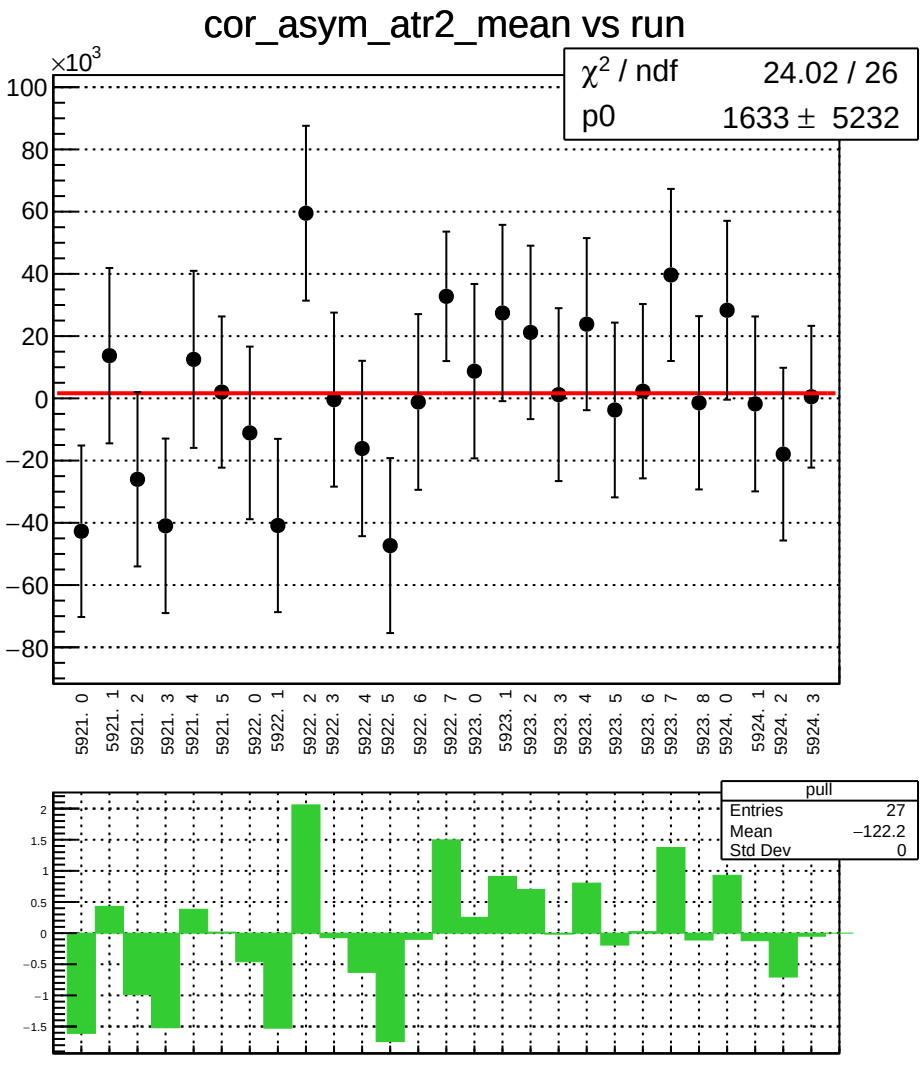

pull1D
Entries 27
Mean −0.01695
Std Dev 0.943
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

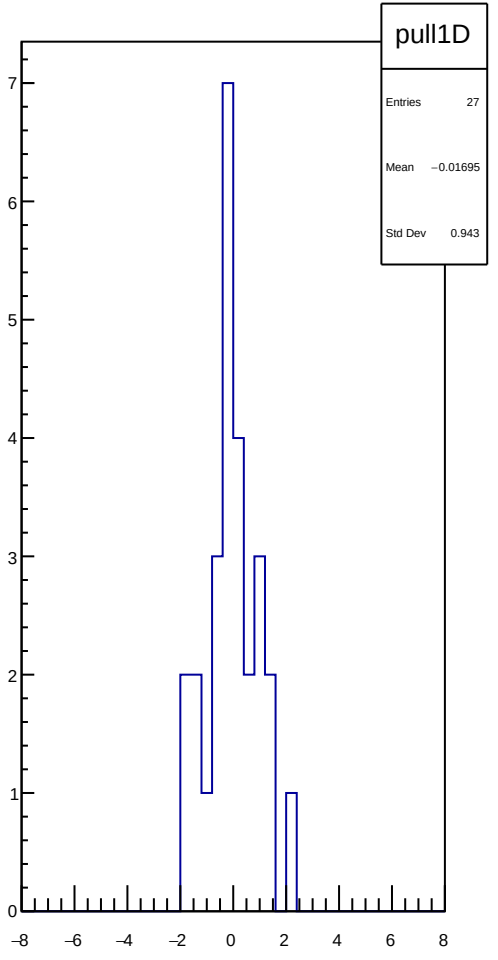

reg_asym_atr2_rms vs run
χ² / ndf 41.89 / 26
p0 2660 ± 3.7
2760
2740
2720
2700
2680
2660
2640
2620
2600
2580
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

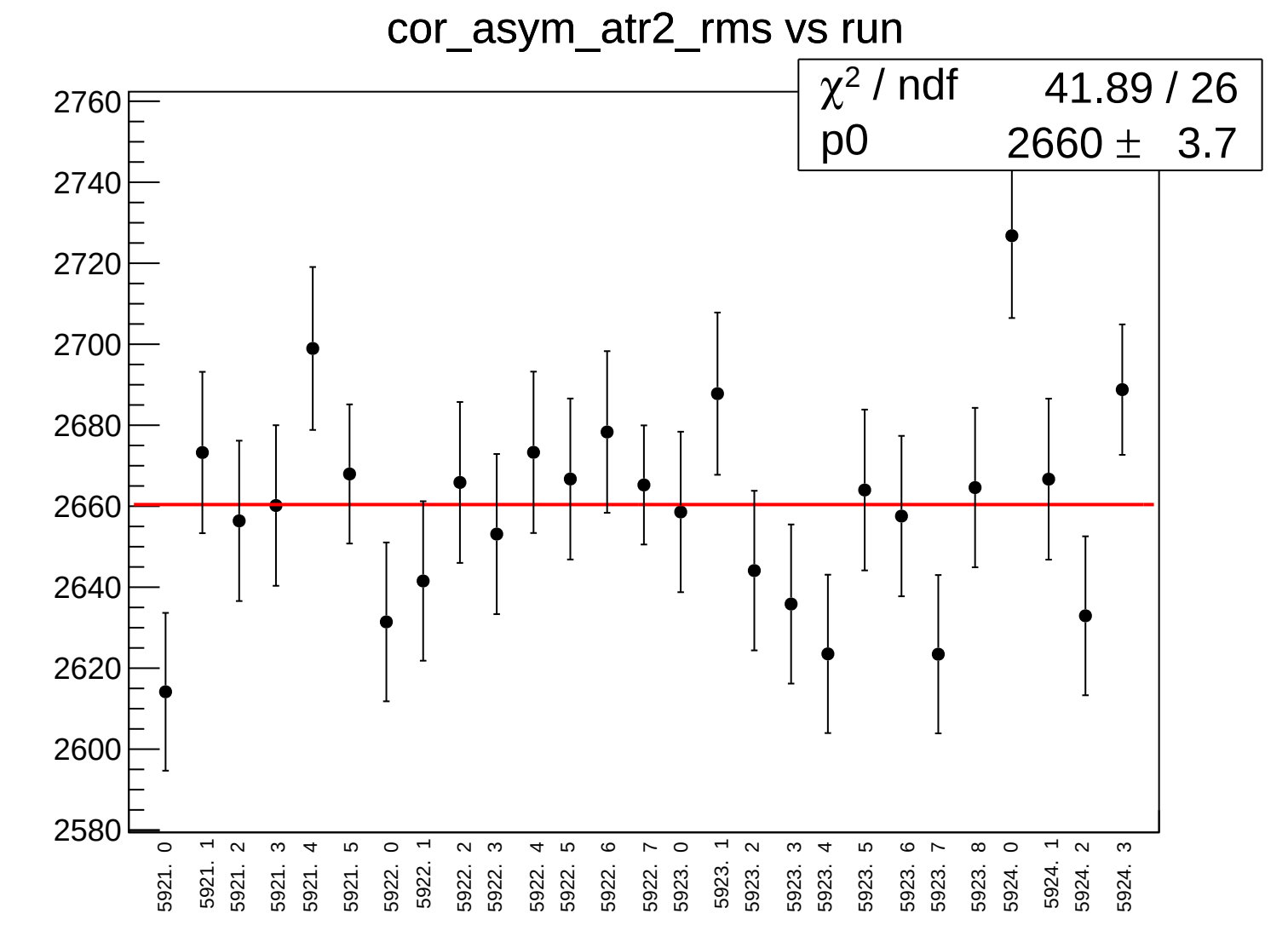

asym_atr2_reg_correction_mean vs run
×10^3
χ² / ndf 28.65 / 26
p0 1.289e+04 ± 1.657e+04
300
200
100
0
−100
−200
−300
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 148.6
Std Dev 0
2
1
0
−1
−2

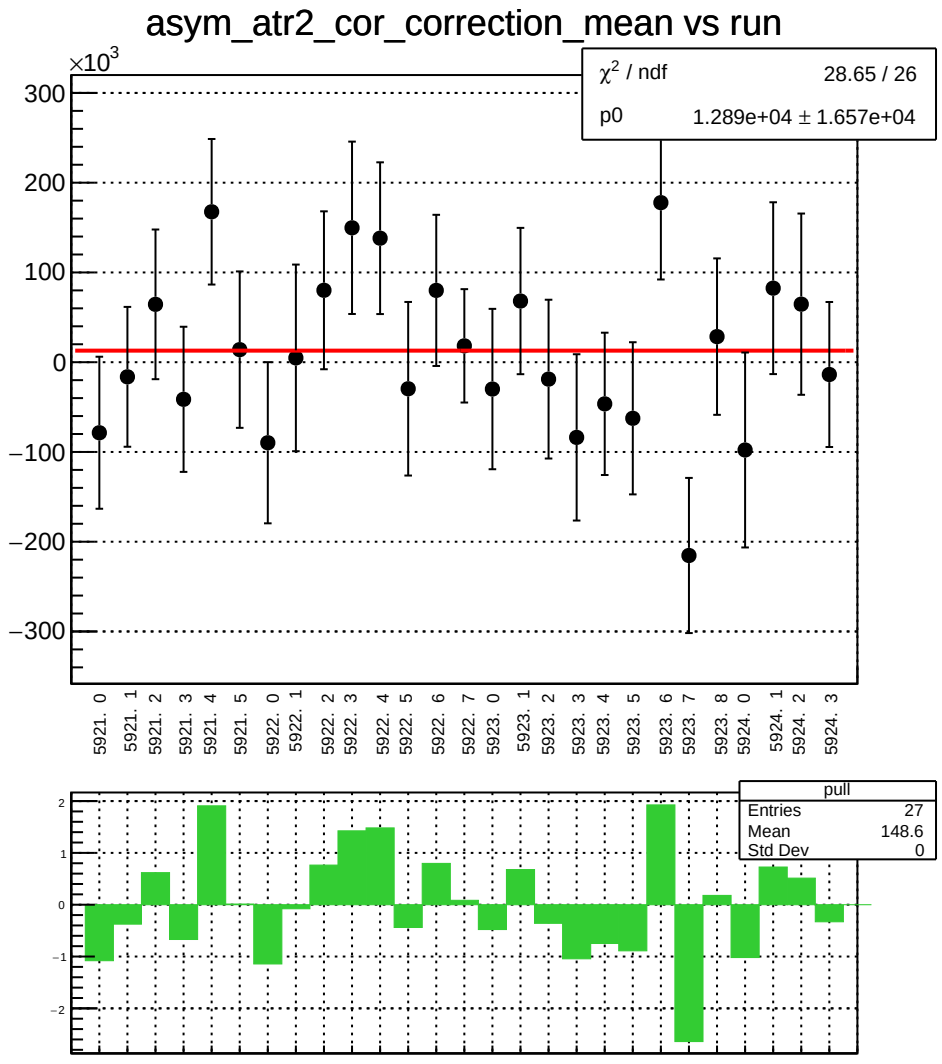

pull1D
Entries 27
Mean −0.006593
Std Dev 1.03
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

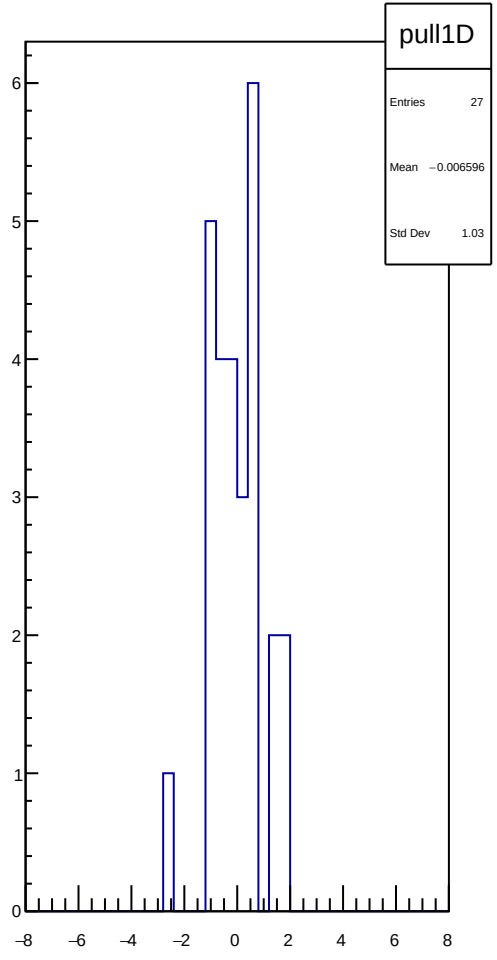

asym_atr2_reg_correction_rms vs run
χ² / ndf 3756 / 26
p0 8394 ± 11.71
10500
10000
9500
9000
8500
8000
7500
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

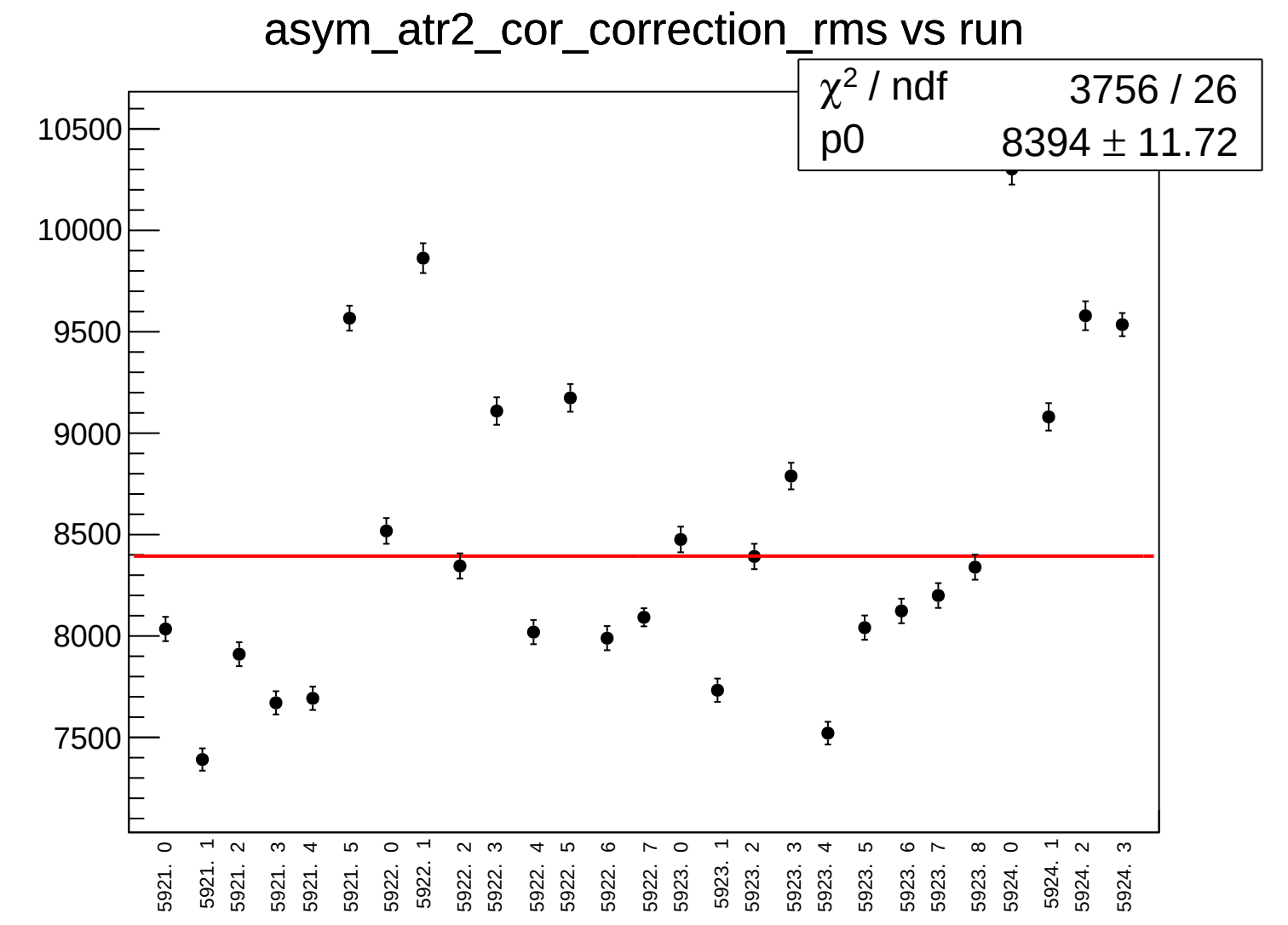

cor_asym_atr2_mean vs run
×10^3
χ² / ndf 24.02 / 26
p0 1633 ± 5232
100
80
60
40
20
0
−20
−40
−60
−80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −122.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

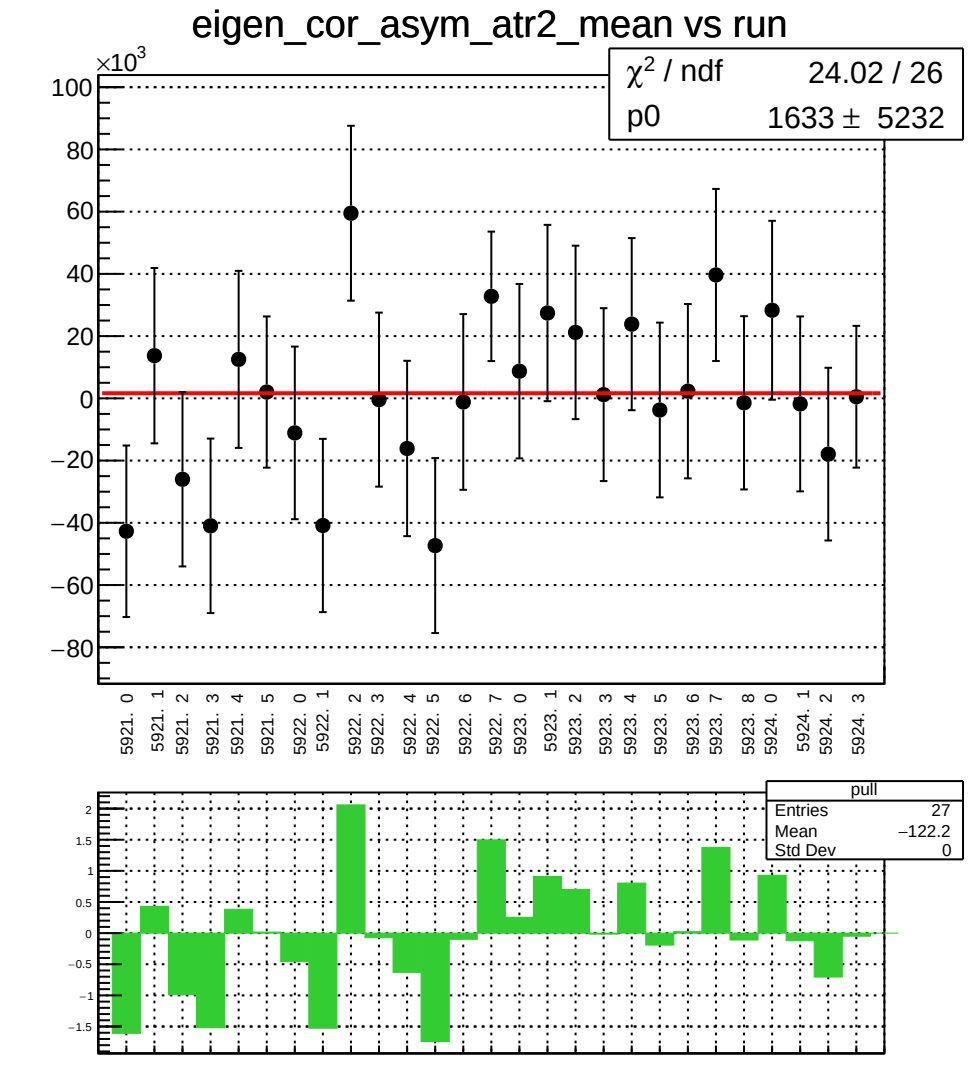

pull1D
Entries 27
Mean −0.01695
Std Dev 0.943
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

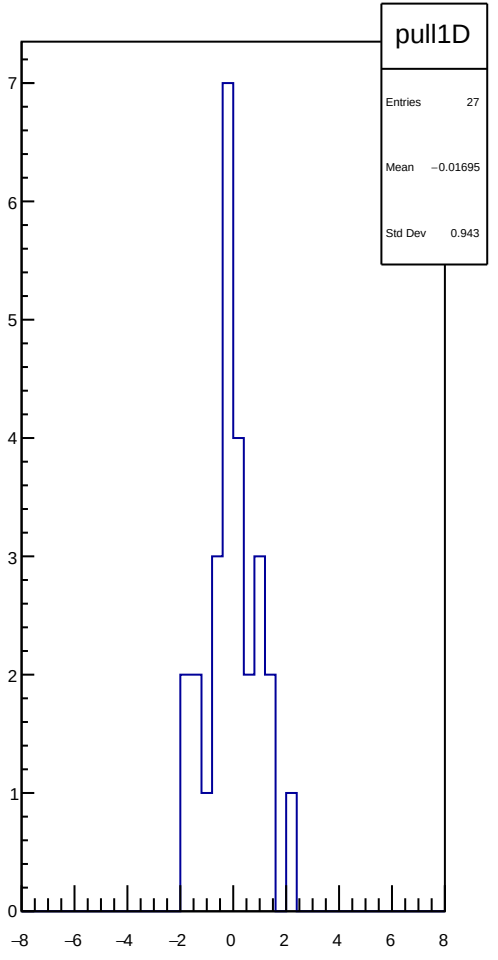

cor_asym_atr2_rms vs run
χ² / ndf 41.89 / 26
p0 2660 ± 3.7
2760
2740
2720
2700
2680
2660
2640
2620
2600
2580
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

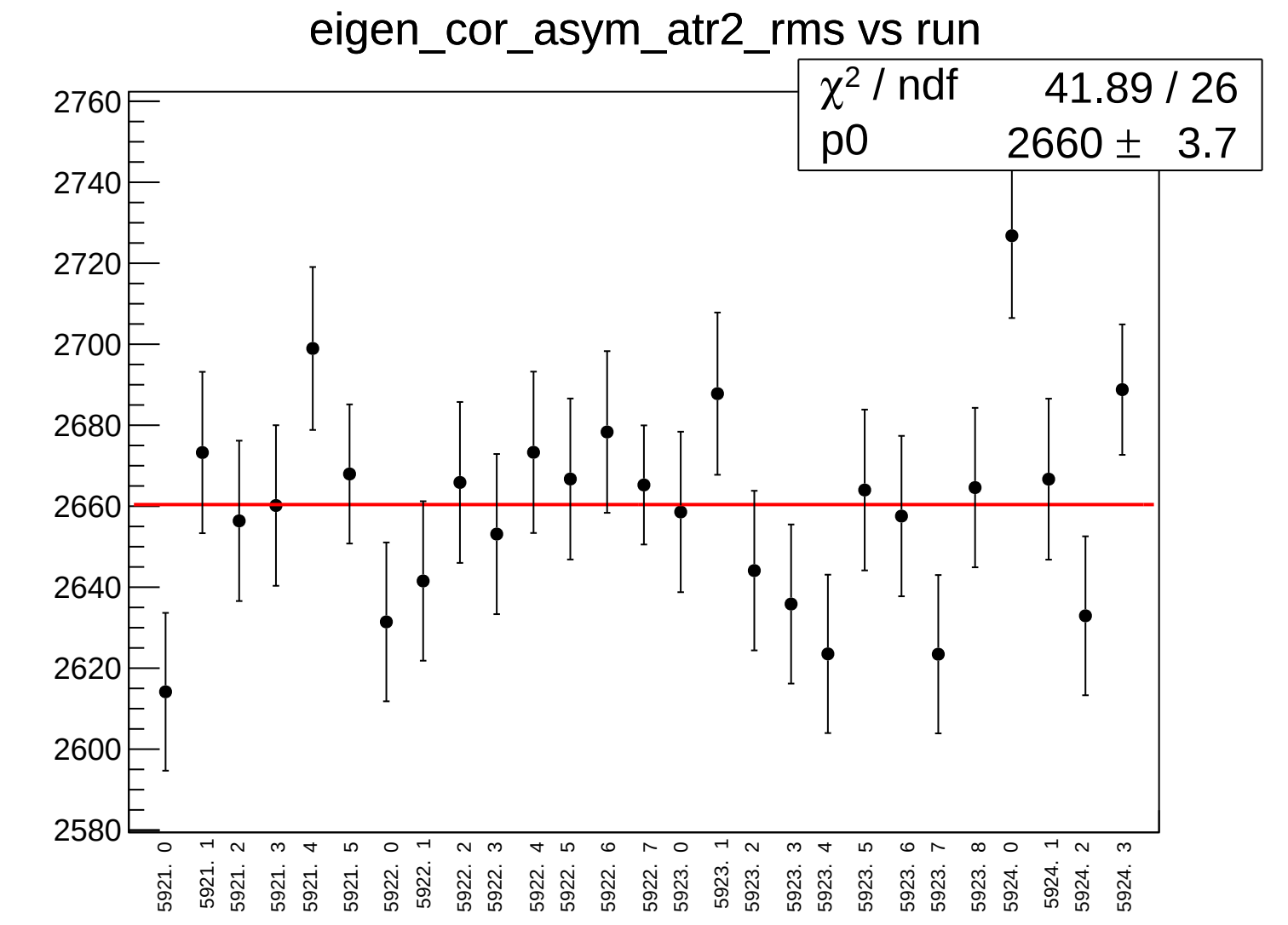

asym_atr2_cor_correction_mean vs run
×10^3
χ² / ndf 28.65 / 26
p0 1.289e+04 ± 1.657e+04
300
200
100
0
−100
−200
−300
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 148.6
Std Dev 0
2
1
0
−1
−2

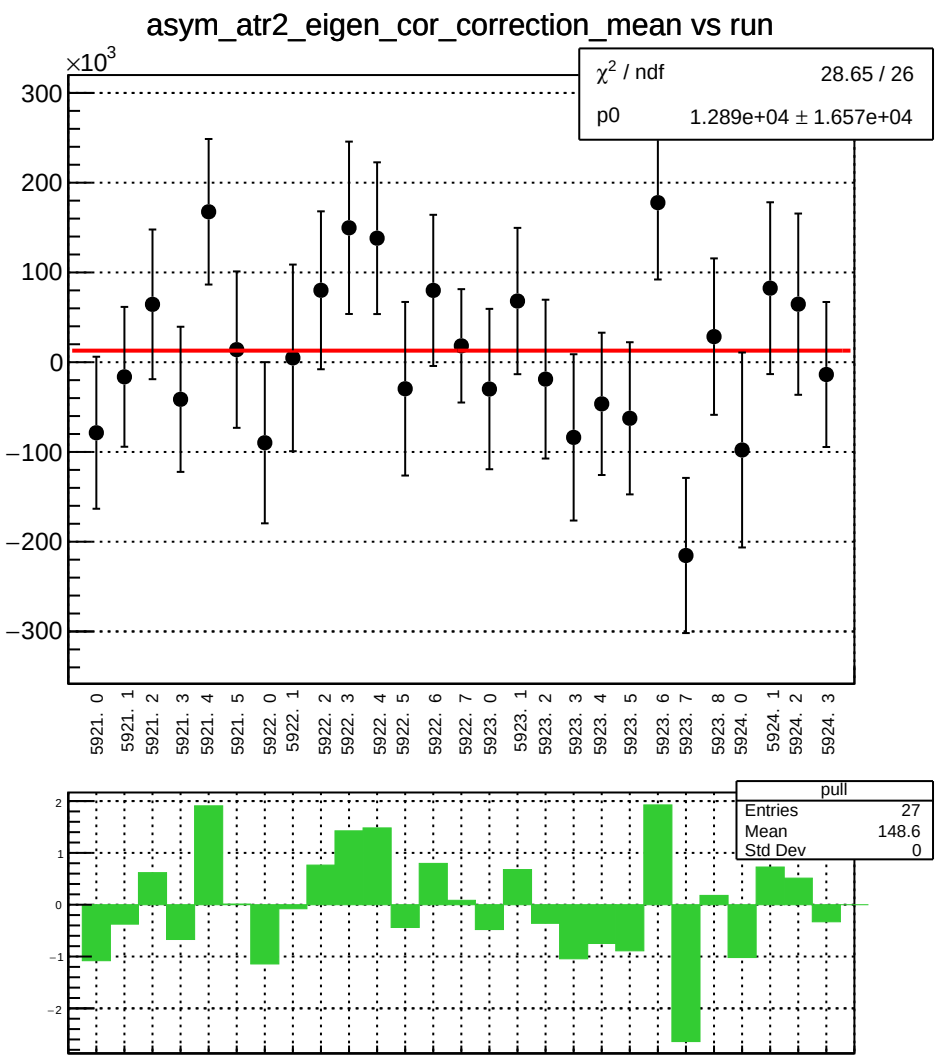

pull1D
Entries 27
Mean −0.006596
Std Dev 1.03
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

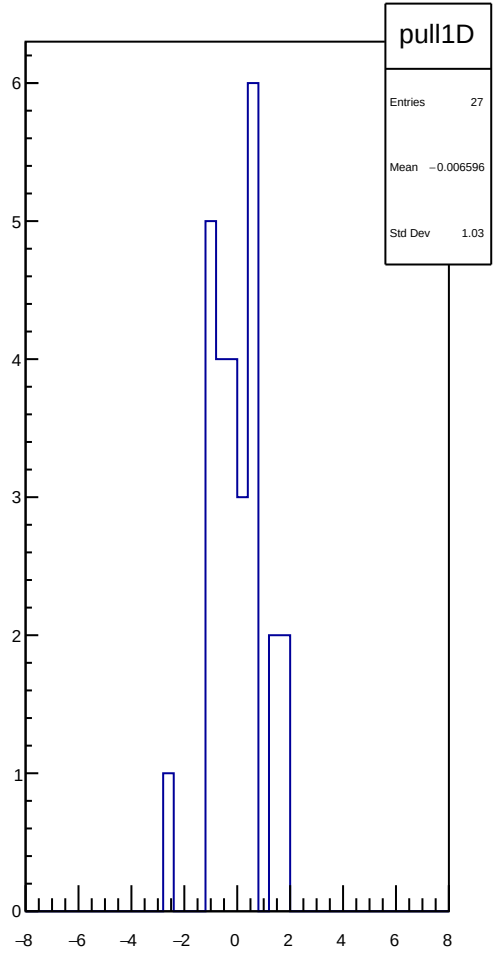

asym_atr2_cor_correction_rms vs run
χ² / ndf 3756 / 26
p0 8394 ± 11.72
10500
10000
9500
9000
8500
8000
7500
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

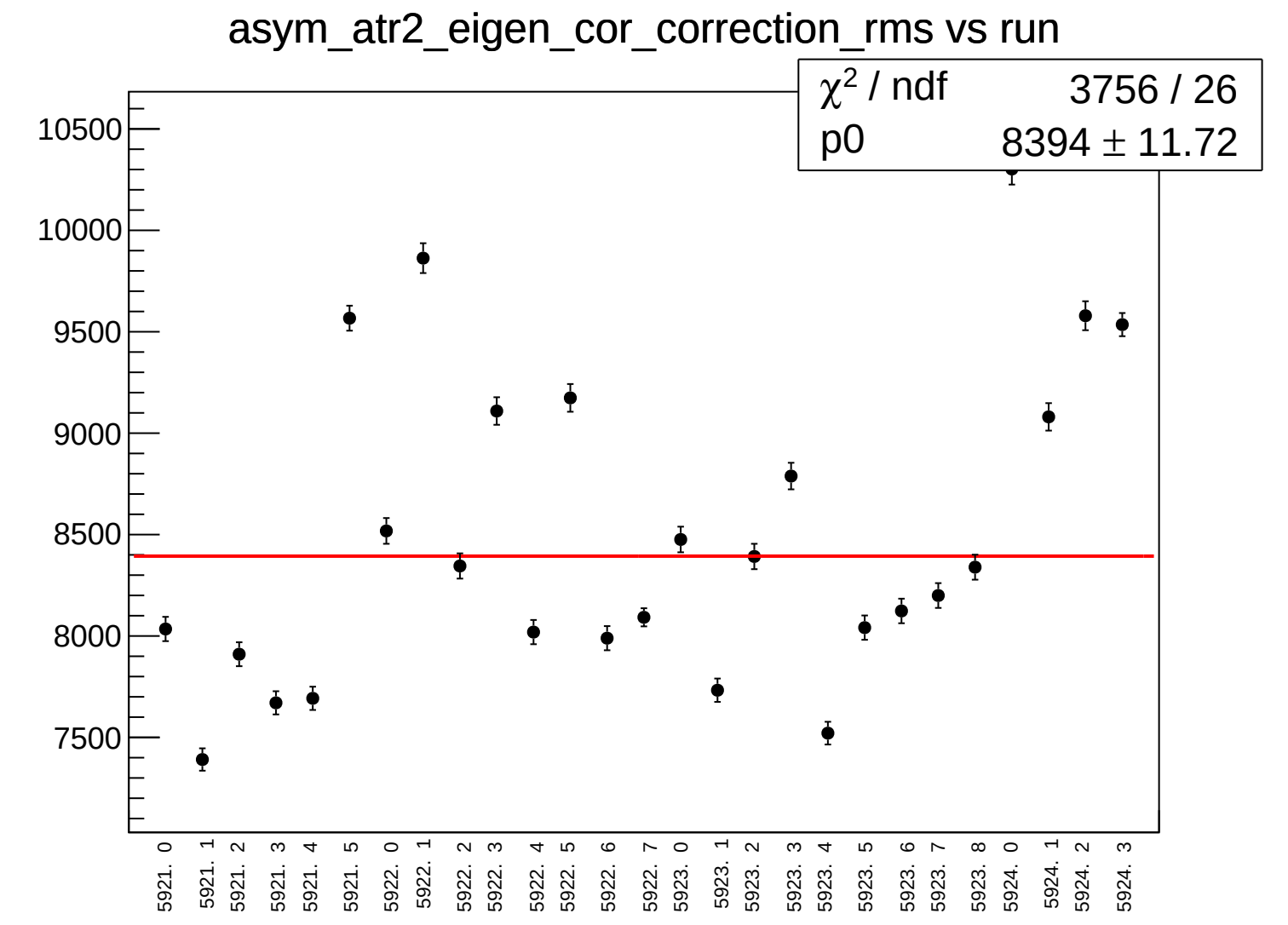

eigen_cor_asym_atr2_mean vs run
×10^3
χ^2 / ndf 24.02 / 26
p0 1633 ± 5232
100
80
60
40
20
0
−20
−40
−60
−80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −122.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

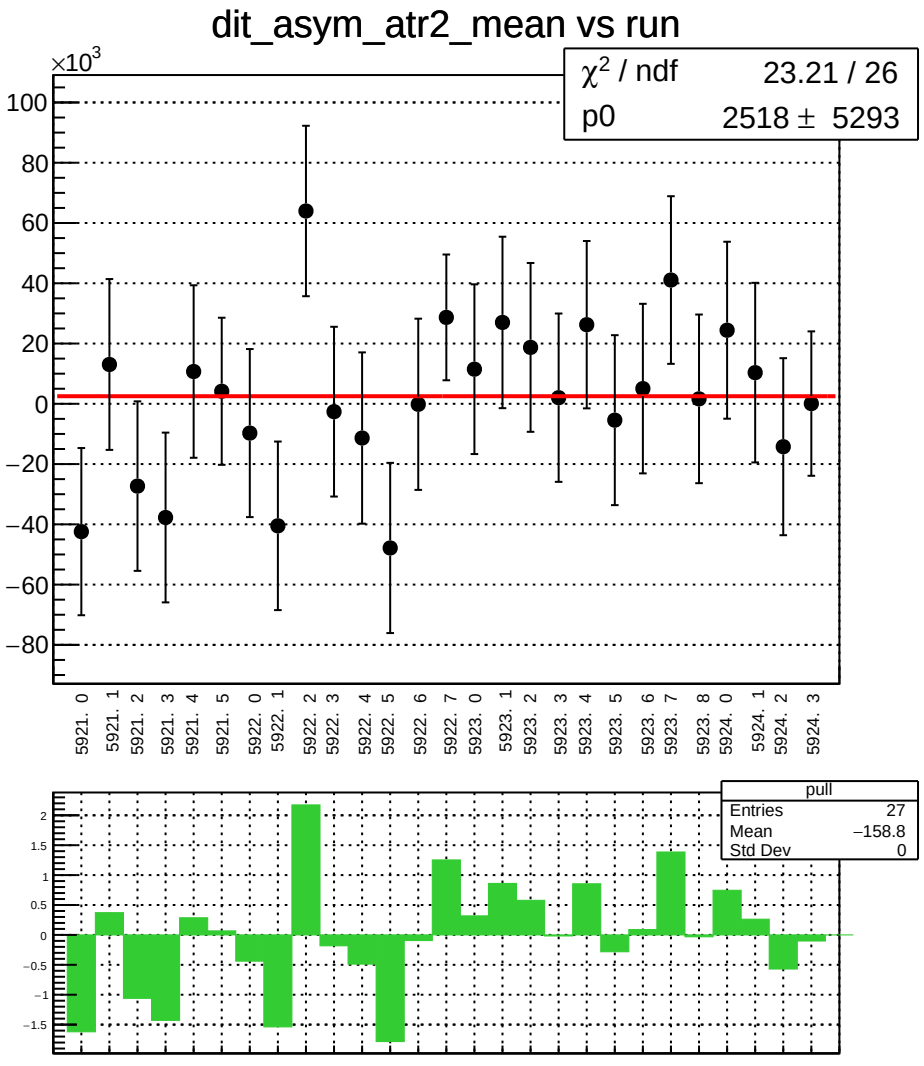

pull1D
Entries 27
Mean −0.01695
Std Dev 0.943
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

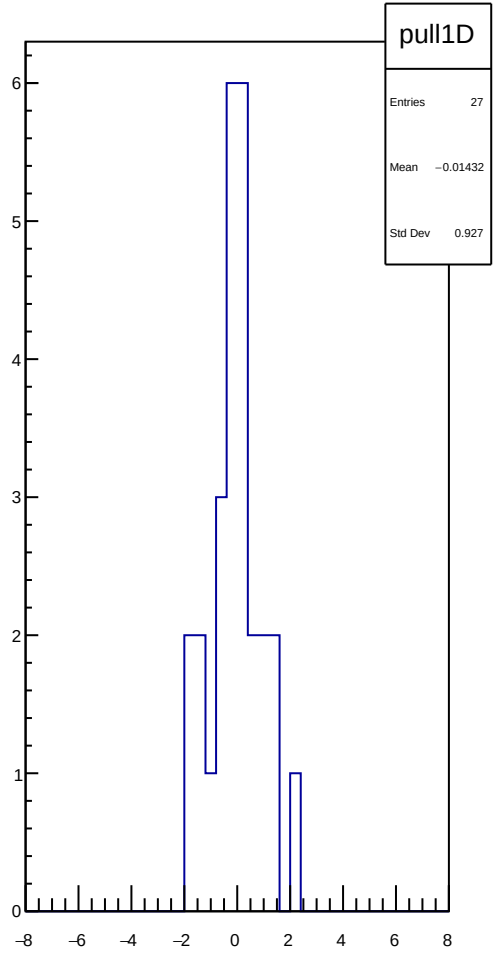

eigen_cor_asym_atr2_rms vs run
χ² / ndf 41.89 / 26
p0 2660 ± 3.7
2760
2740
2720
2700
2680
2660
2640
2620
2600
2580
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

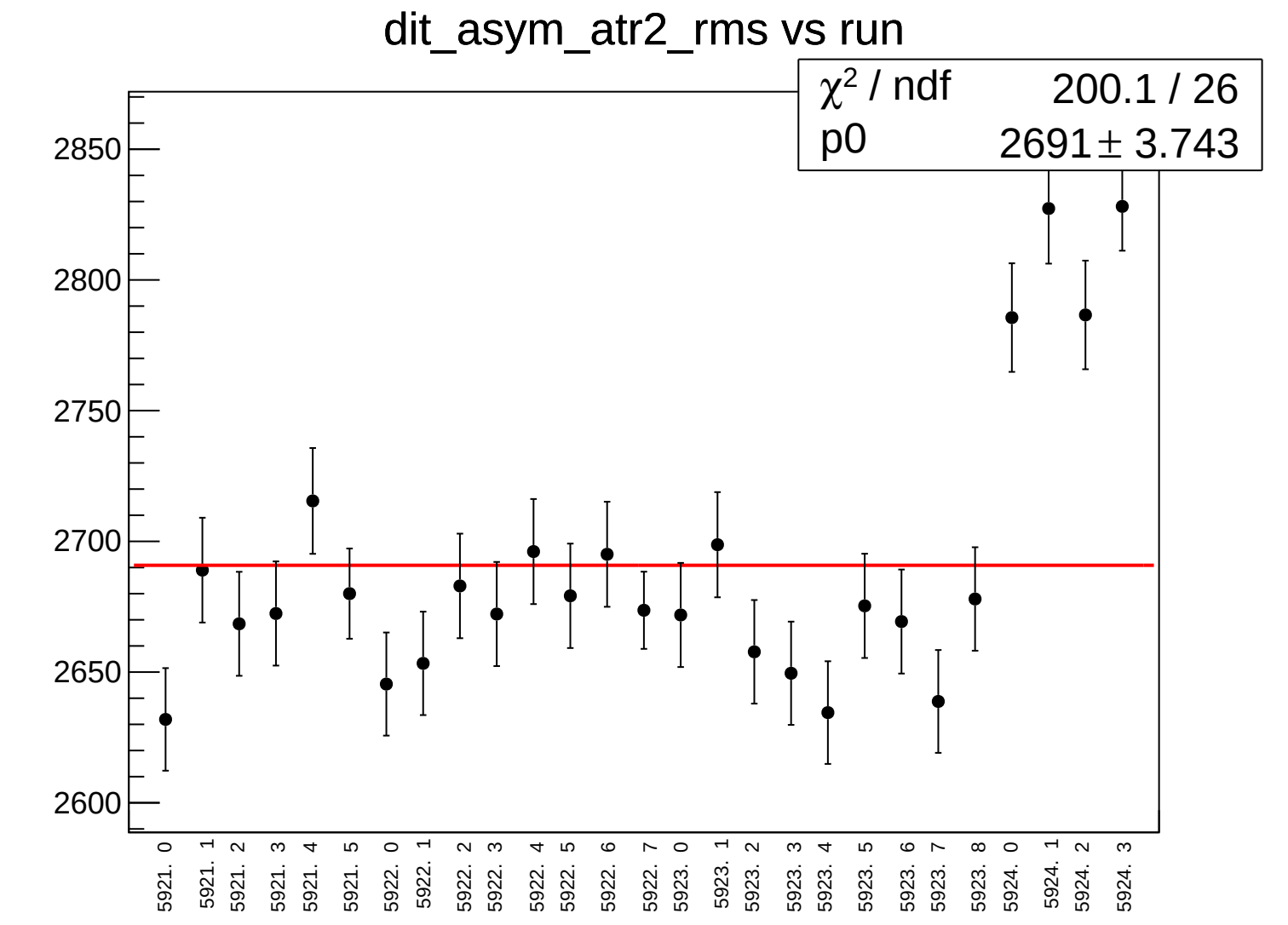

asym_atr2_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 28.65 / 26
p0 1.289e+04 ± 1.657e+04
300
200
100
0
−100
−200
−300
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 148.6
Std Dev 0
2
1
0
−1
−2

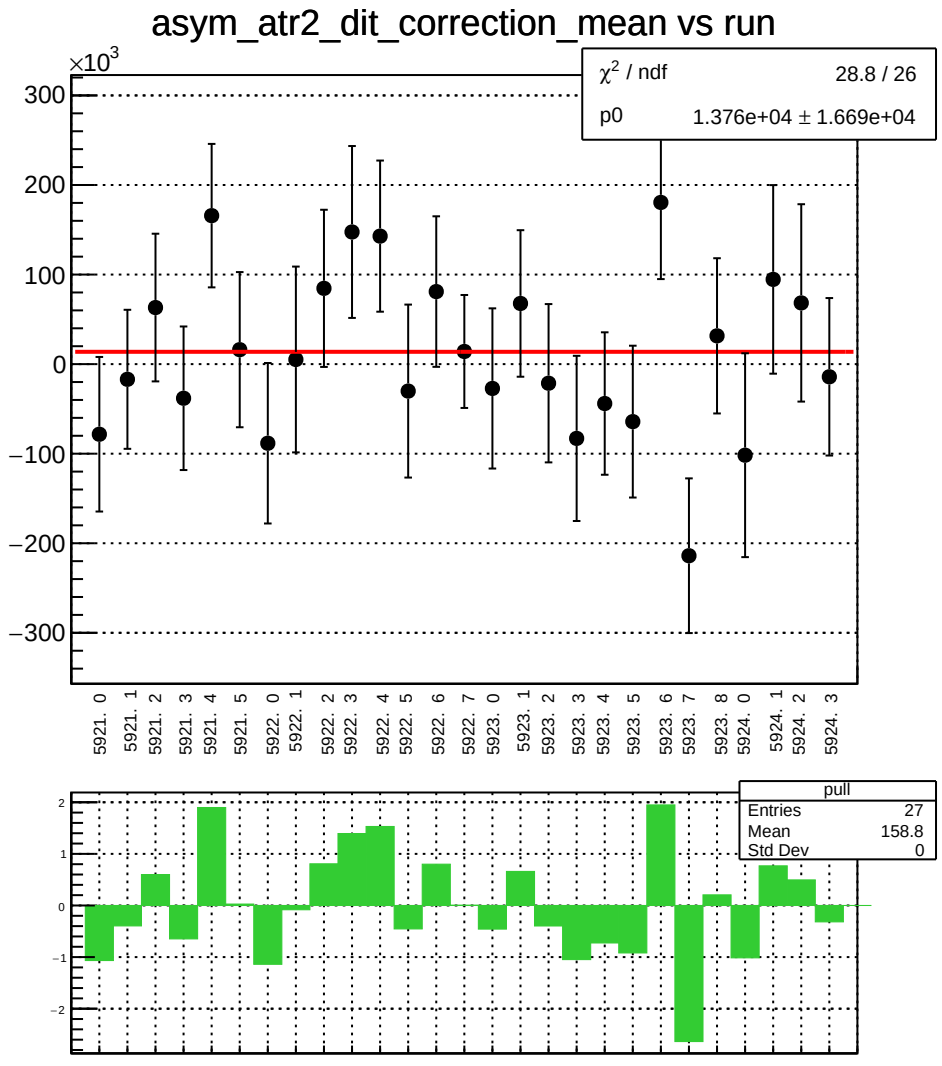

pull1D
Entries 27
Mean −0.006596
Std Dev 1.03
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

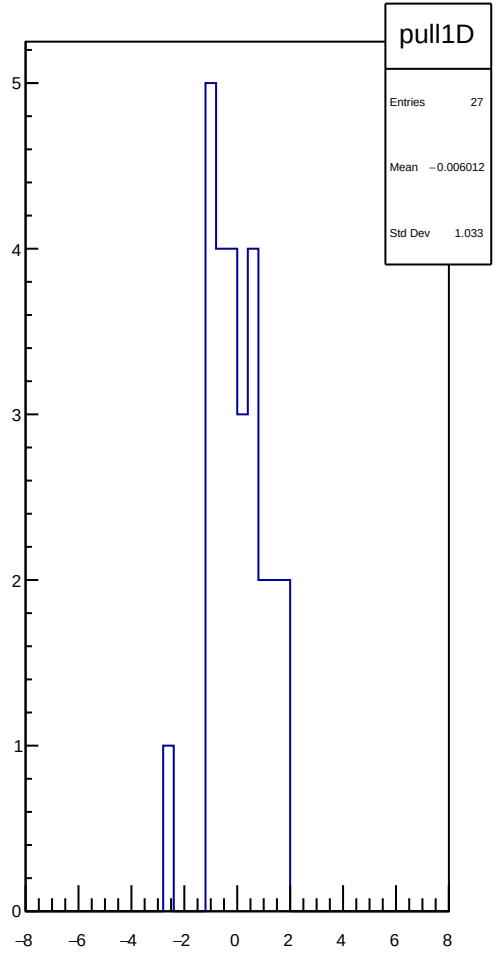

asym_atr2_eigen_cor_correction_rms vs run
χ² / ndf 3756 / 26
p0 8394 ± 11.72
10500
10000
9500
9000
8500
8000
7500
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

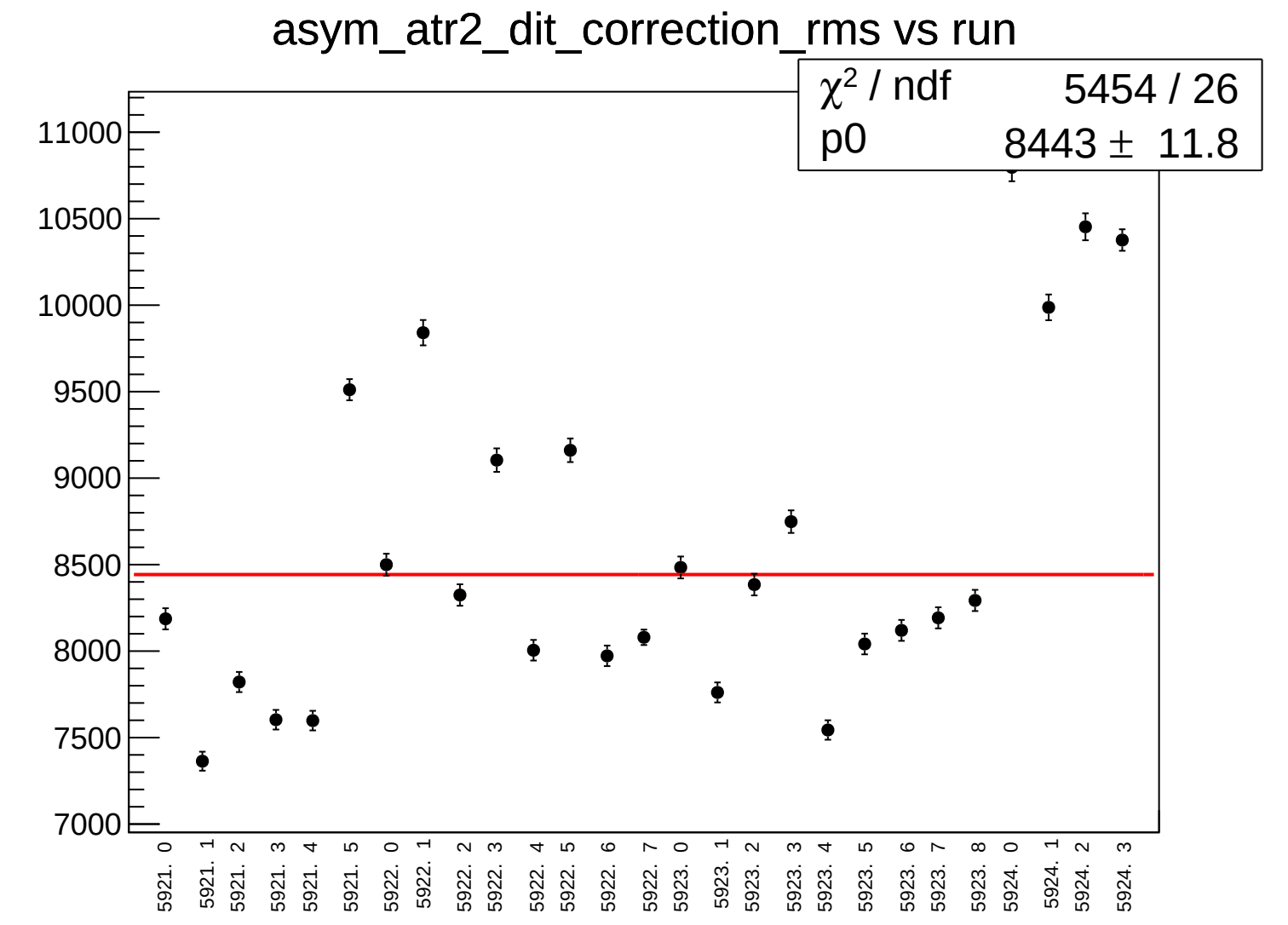

dit_asym_atr2_mean vs run
×10^3
χ^2 / ndf 23.21 / 26
p0 2518 ± 5293
100
80
60
40
20
0
−20
−40
−60
−80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −158.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

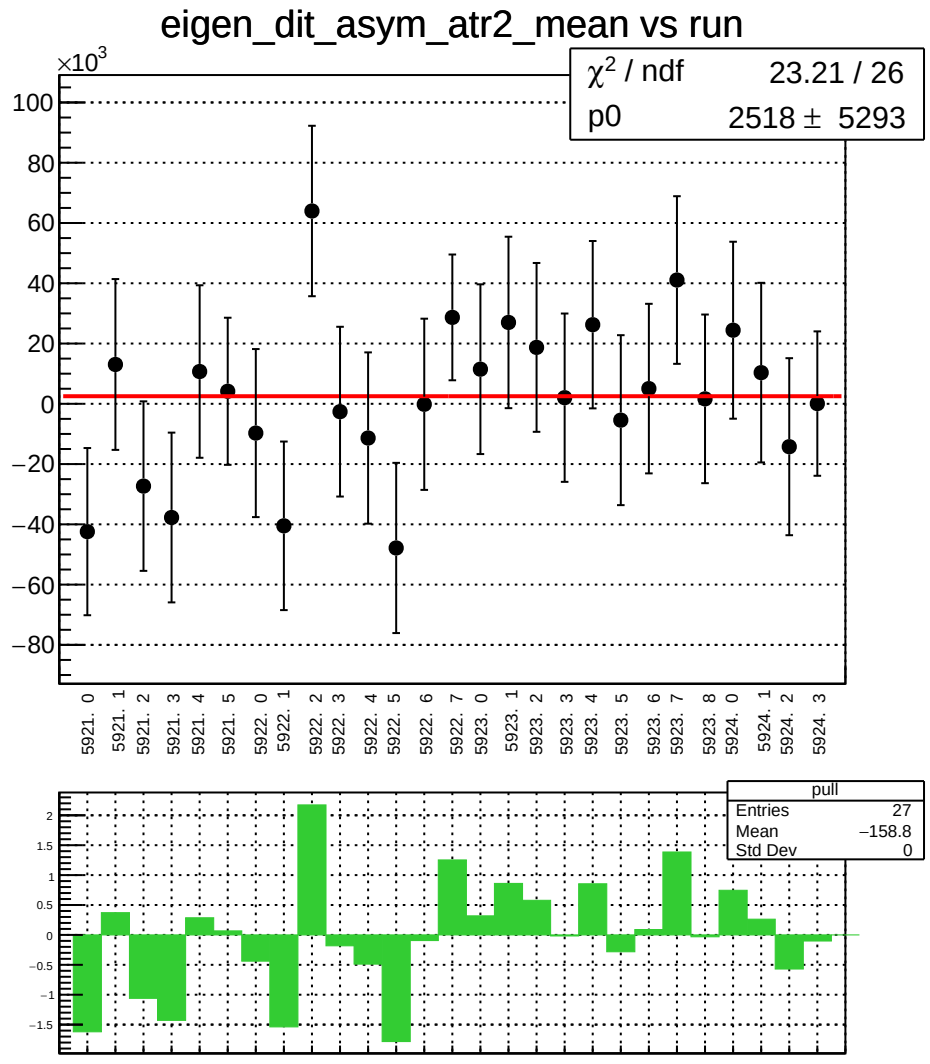

pull1D
Entries 27
Mean −0.01432
Std Dev 0.927
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

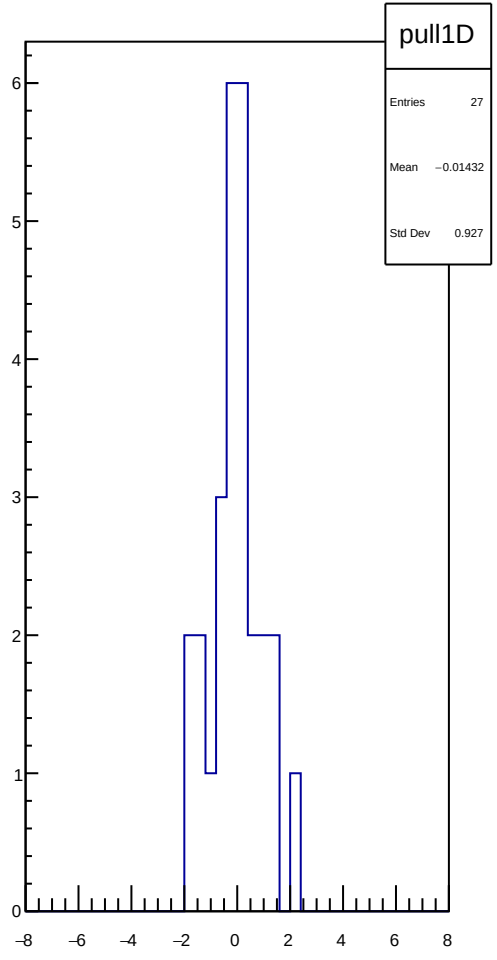

dit_asym_atr2_rms vs run
χ² / ndf 200.1 / 26
p0 2691 ± 3.743
2850
2800
2750
2700
2650
2600
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

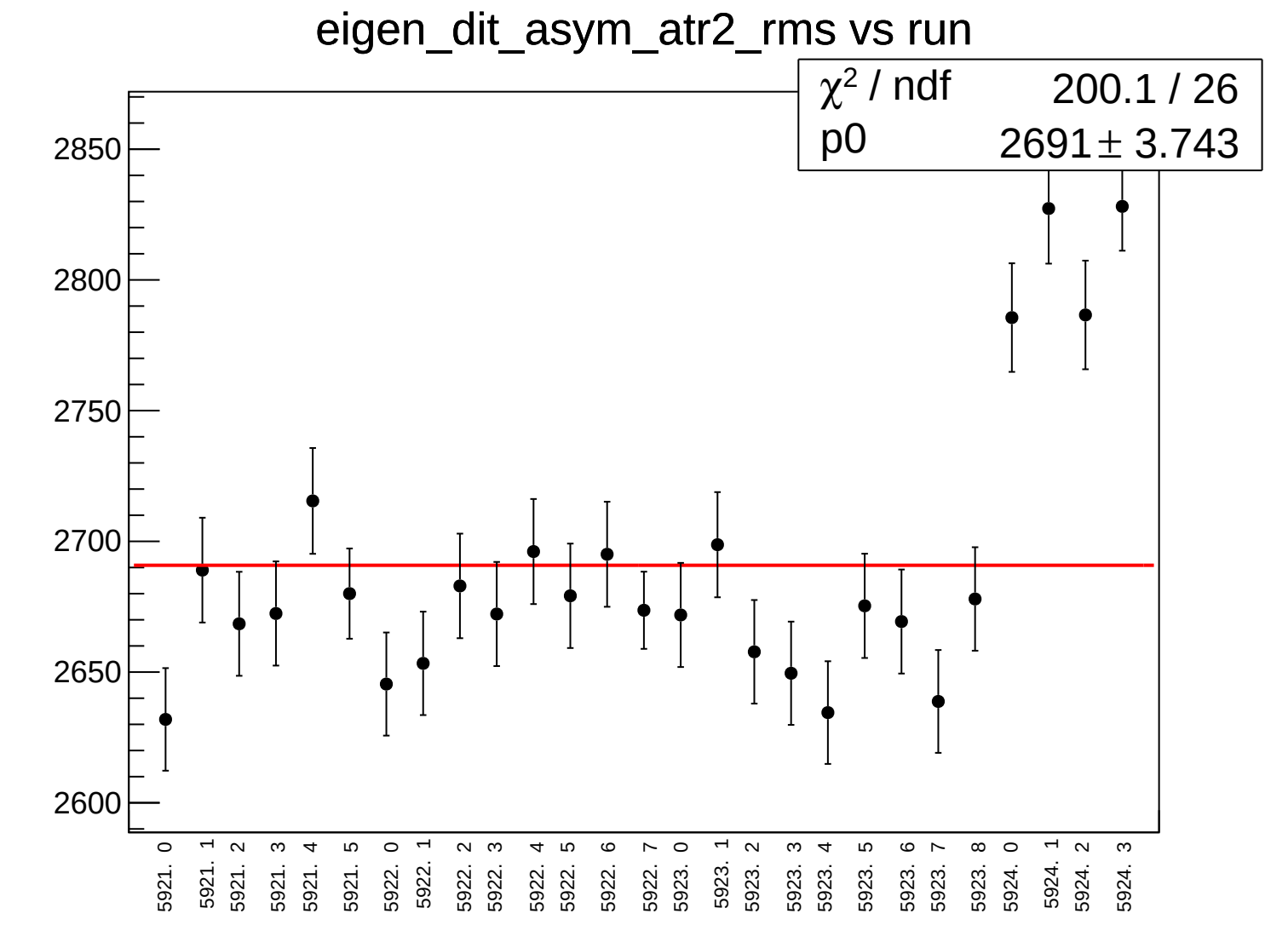

asym_atr2_dit_correction_mean vs run
×10^3
χ² / ndf 28.8 / 26
p0 1.376e+04 ± 1.669e+04
300
200
100
0
−100
−200
−300
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 158.8
Std Dev 0
2
1
0
−1
−2

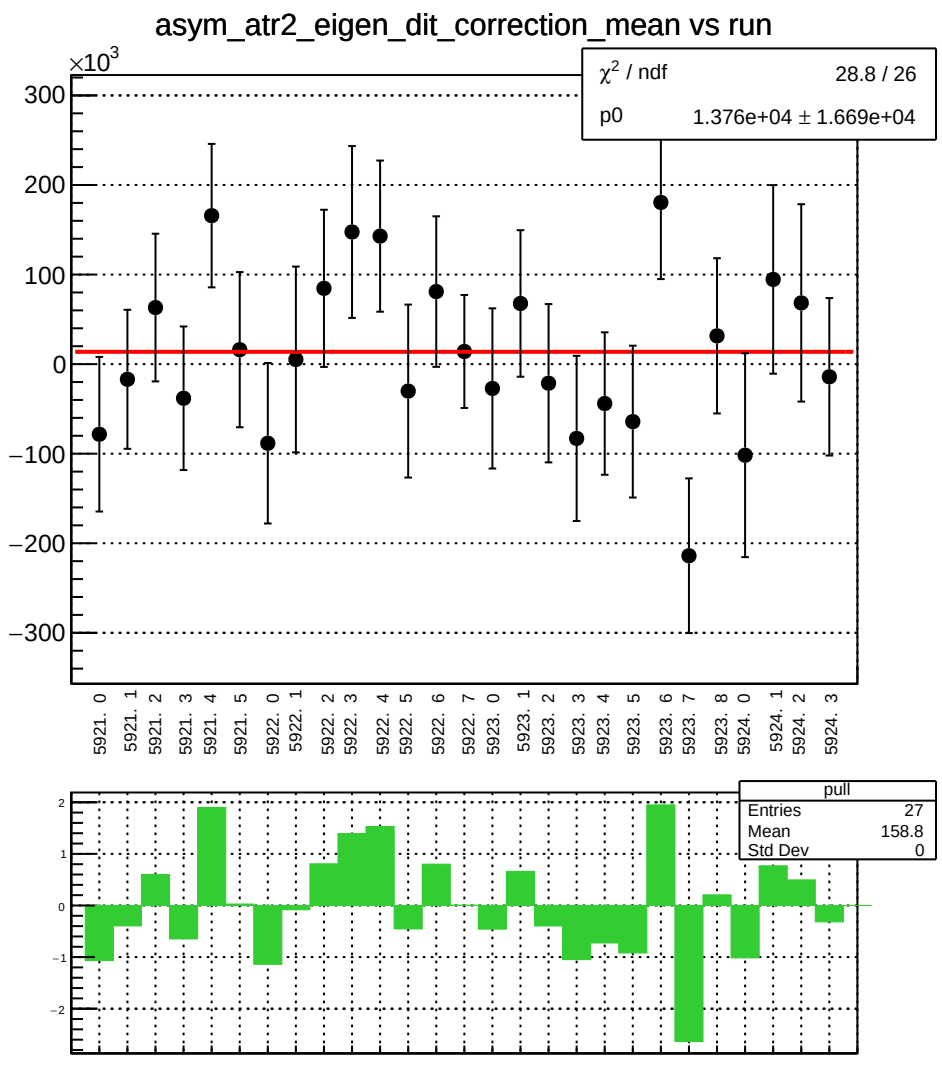

pull1D
Entries 27
Mean −0.006012
Std Dev 1.033
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

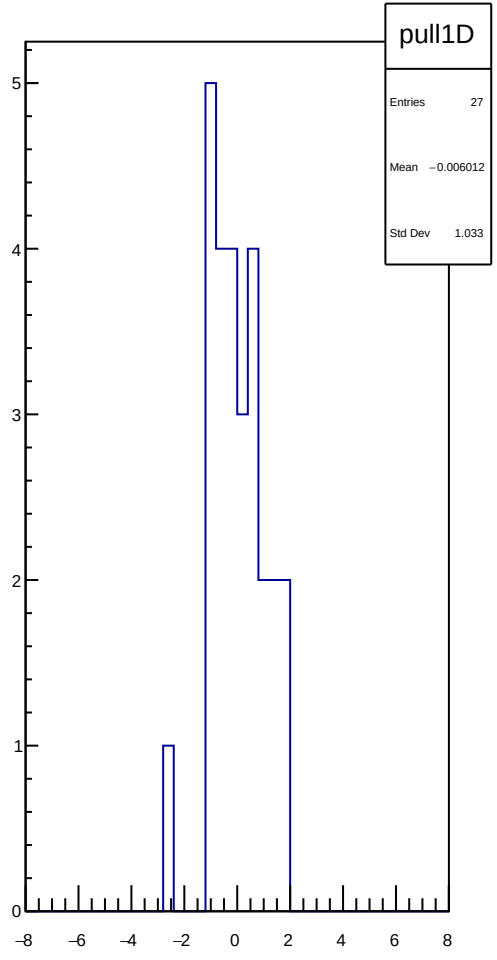

asym_atr2_dit_correction_rms vs run
χ² / ndf 5454 / 26
p0 8443 ± 11.8
11000
10500
10000
9500
9000
8500
8000
7500
7000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

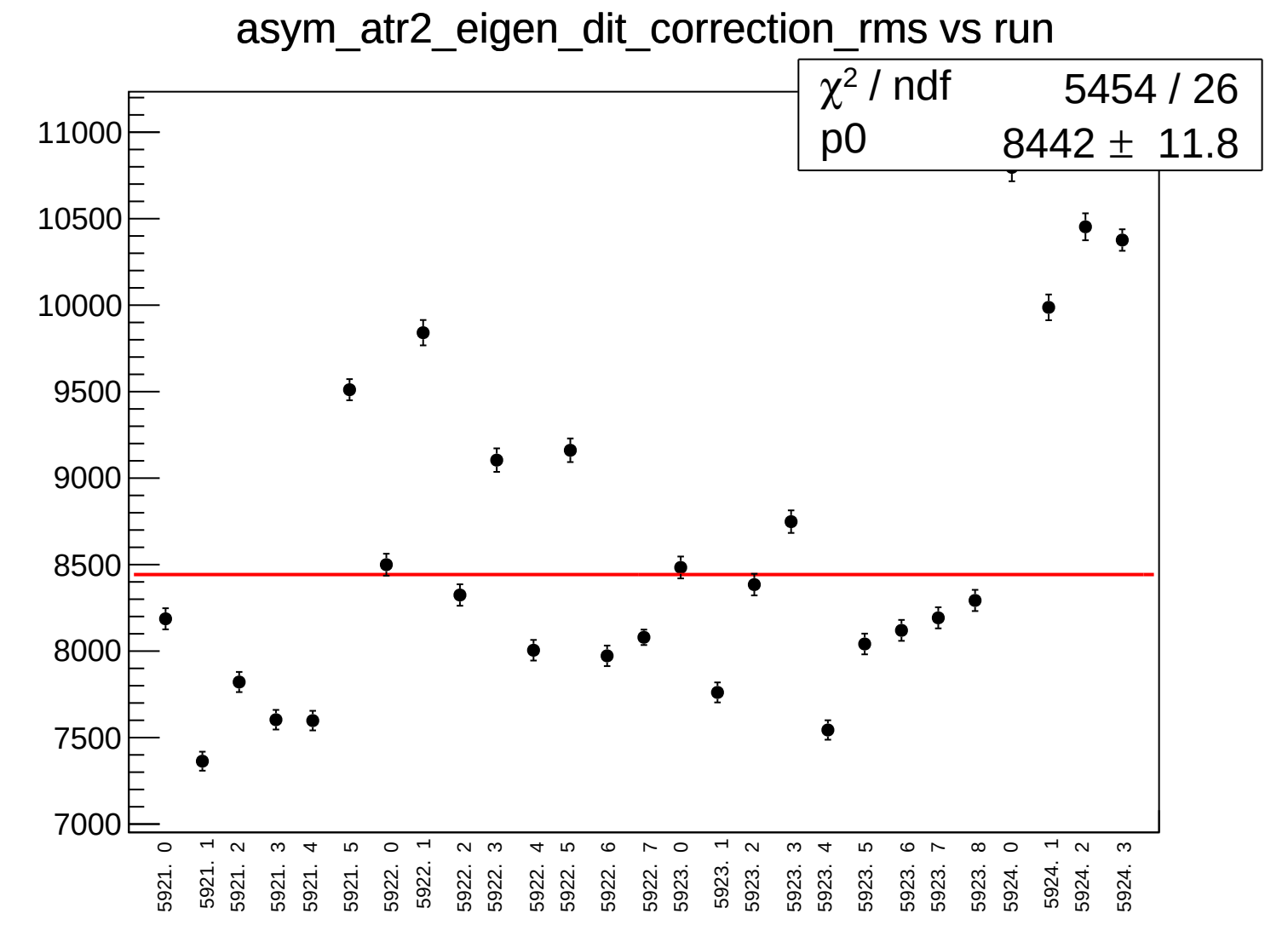

eigen_dit_asym_atr2_mean vs run
×10^3
χ² / ndf 23.21 / 26
p0 2518 ± 5293
100
80
60
40
20
0
−20
−40
−60
−80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −158.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

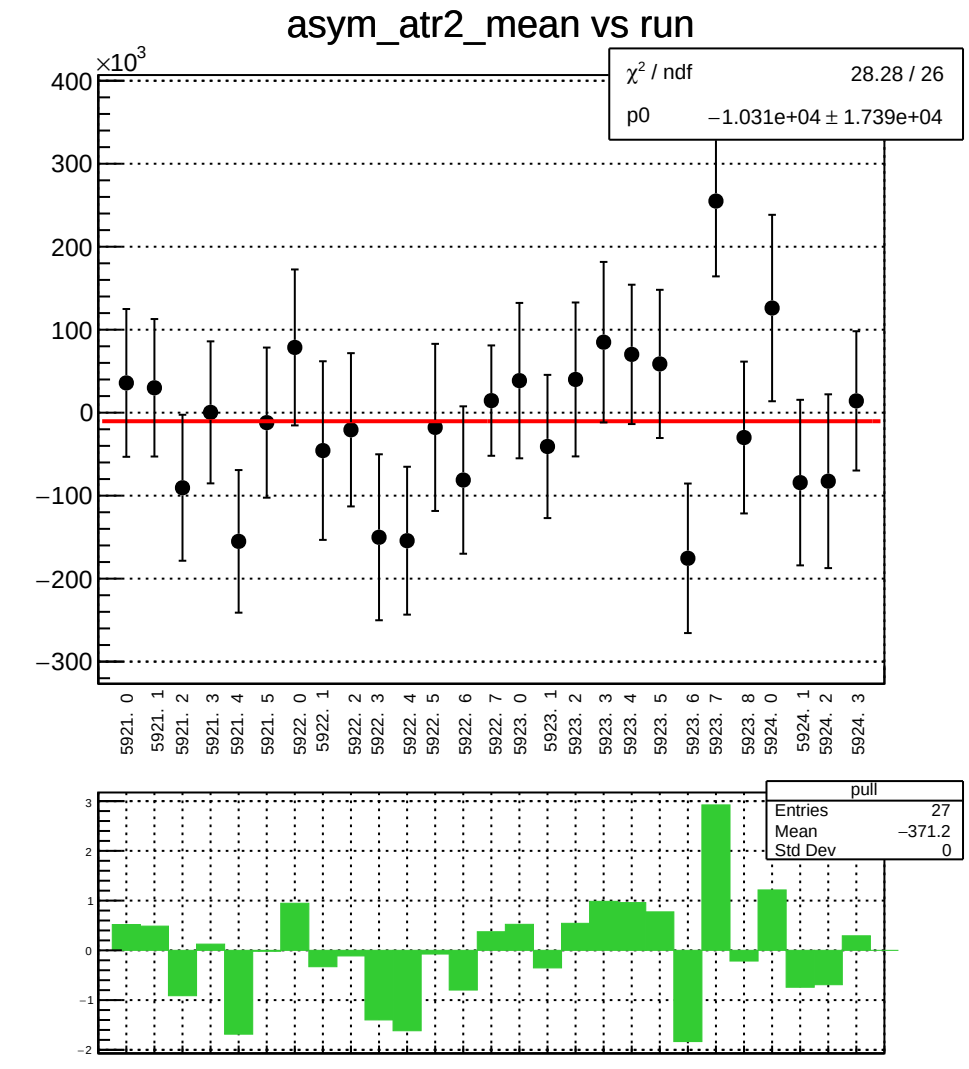

pull1D
Entries 27
Mean −0.01432
Std Dev 0.927
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

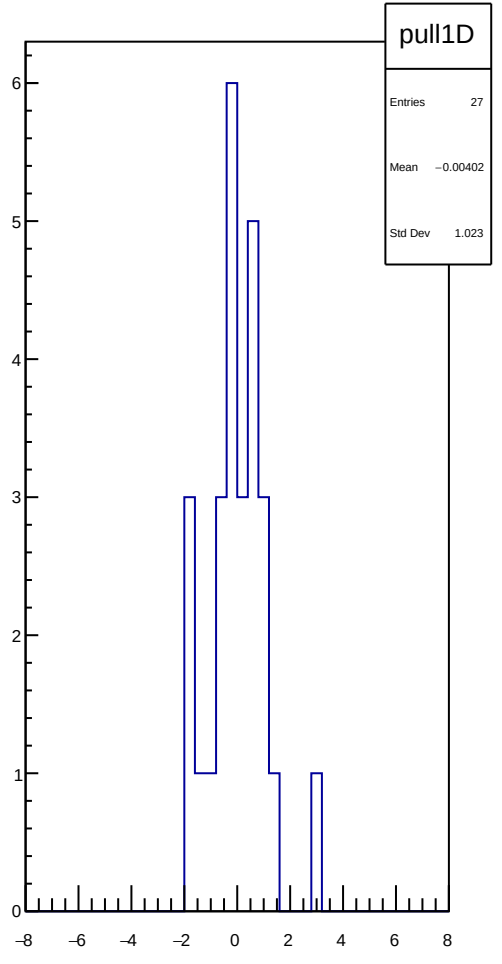

eigen_dit_asym_atr2_rms vs run
χ² / ndf 200.1 / 26
p0 2691 ± 3.743
2850
2800
2750
2700
2650
2600
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

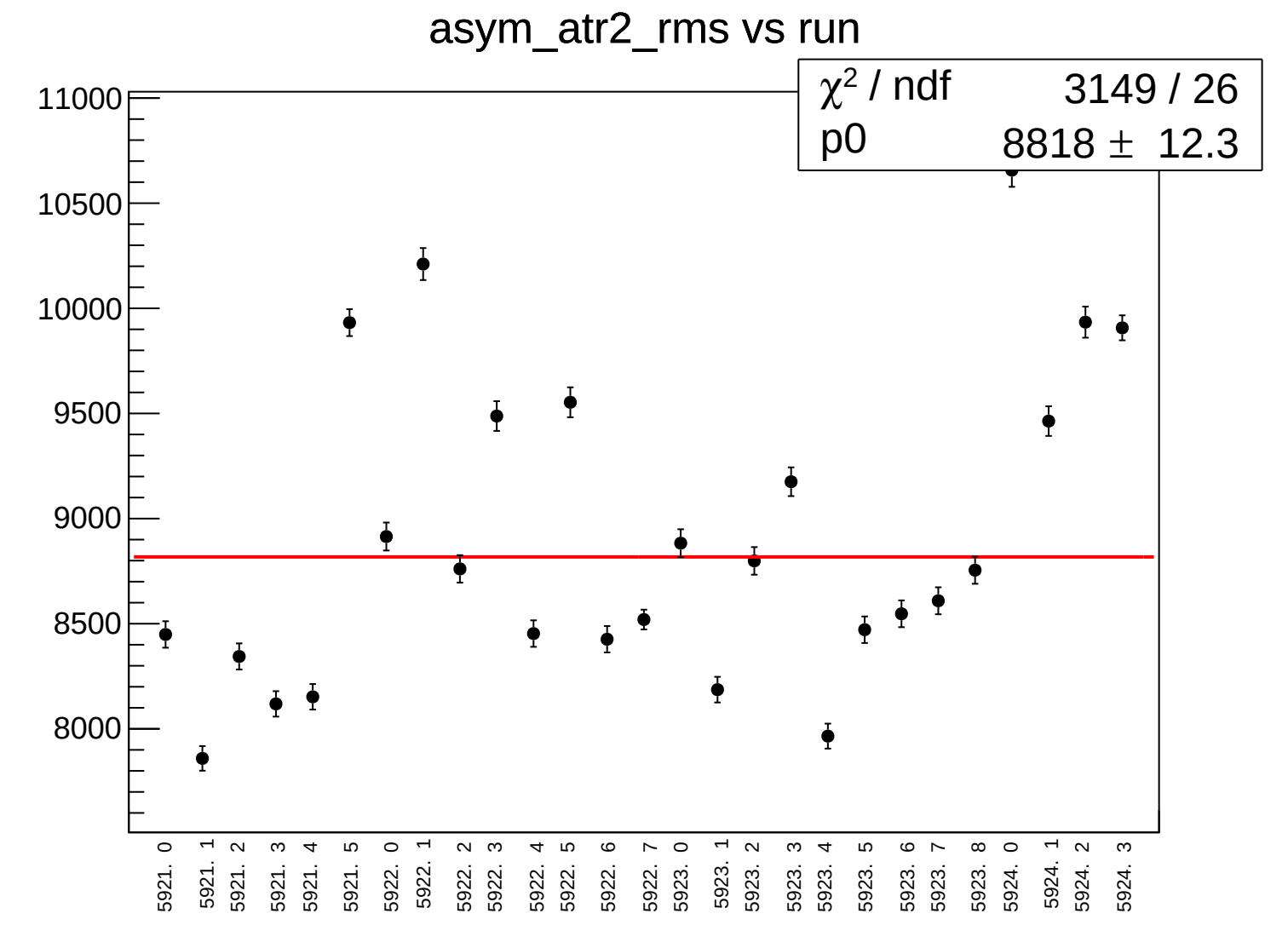

asym_atr2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 28.8 / 26
p0 1.376e+04 ± 1.669e+04
300
200
100
0
−100
−200
−300
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 158.8
Std Dev 0
2
1
0
−1
−2

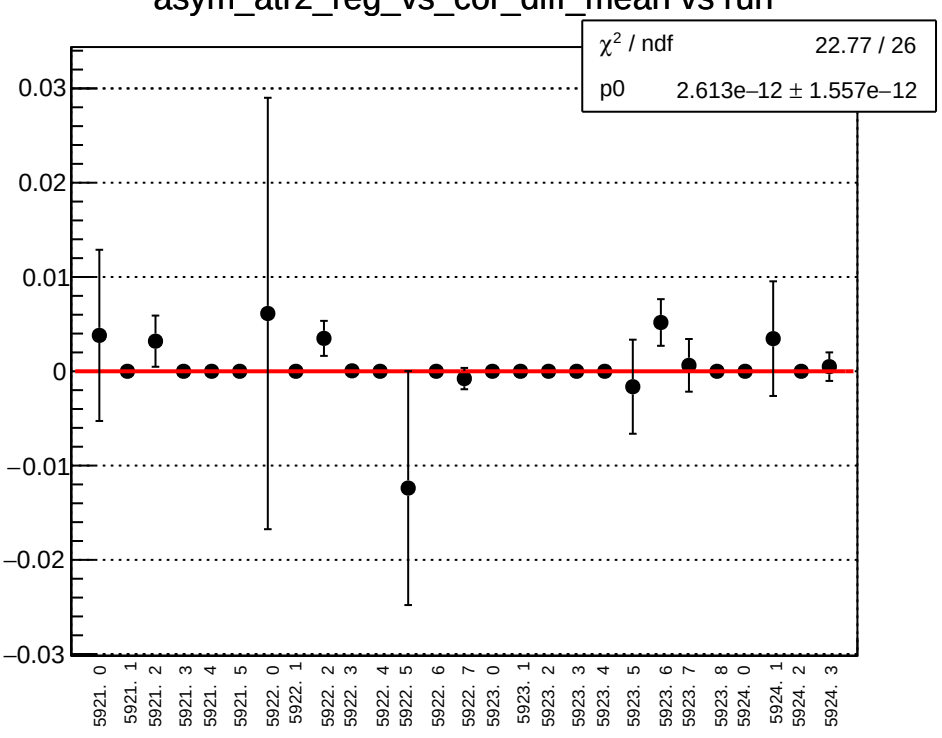

pull1D
Entries 27
Mean −0.006012
Std Dev 1.033
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

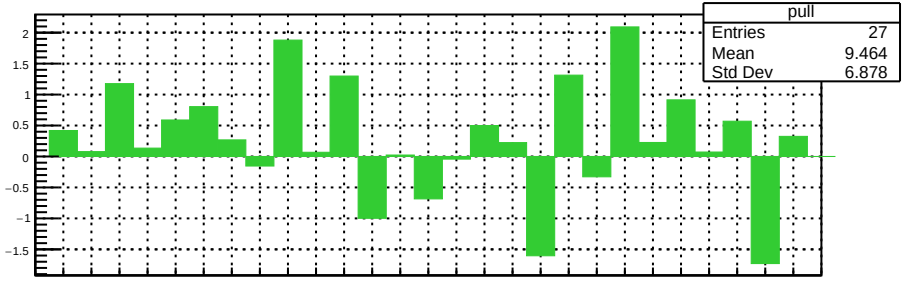

asym_atr2_eigen_dit_correction_rms vs run
χ² / ndf 5454 / 26
p0 8442 ± 11.8
11000
10500
10000
9500
9000
8500
8000
7500
7000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

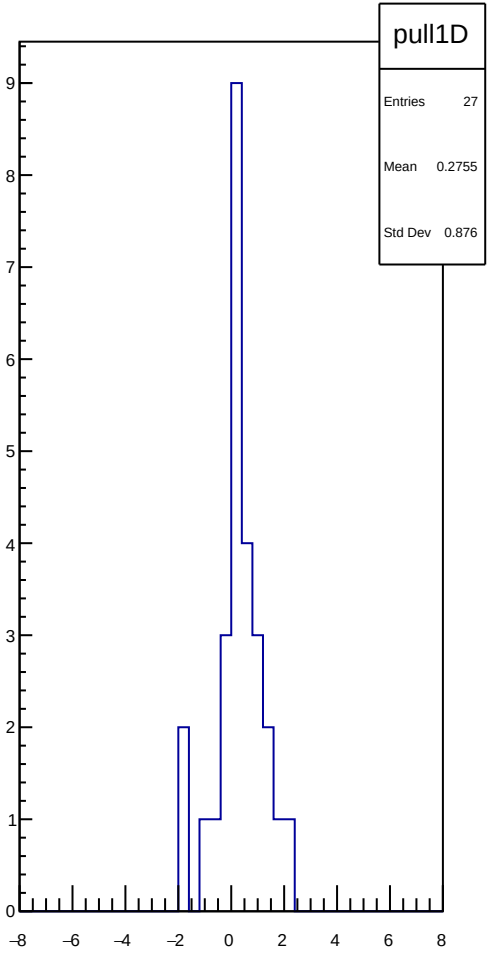

asym_atr2_mean vs run
×10^3
χ² / ndf 28.28 / 26
p0 −1.031e+04 ± 1.739e+04
400
300
200
100
0
−100
−200
−300
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −371.2
Std Dev 0
3
2
1
0
−1
−2

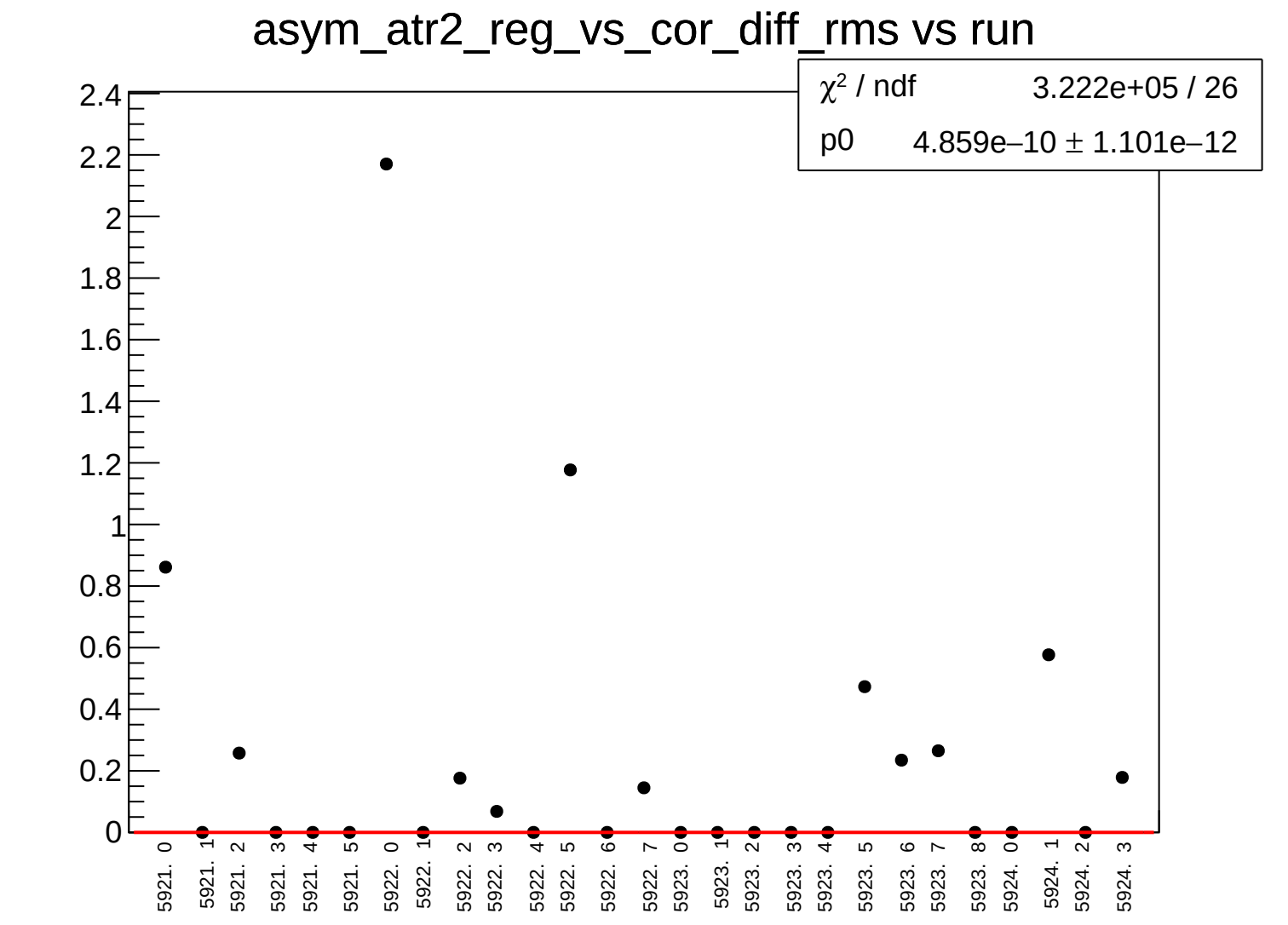

pull1D
Entries 27
Mean −0.00402
Std Dev 1.023
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

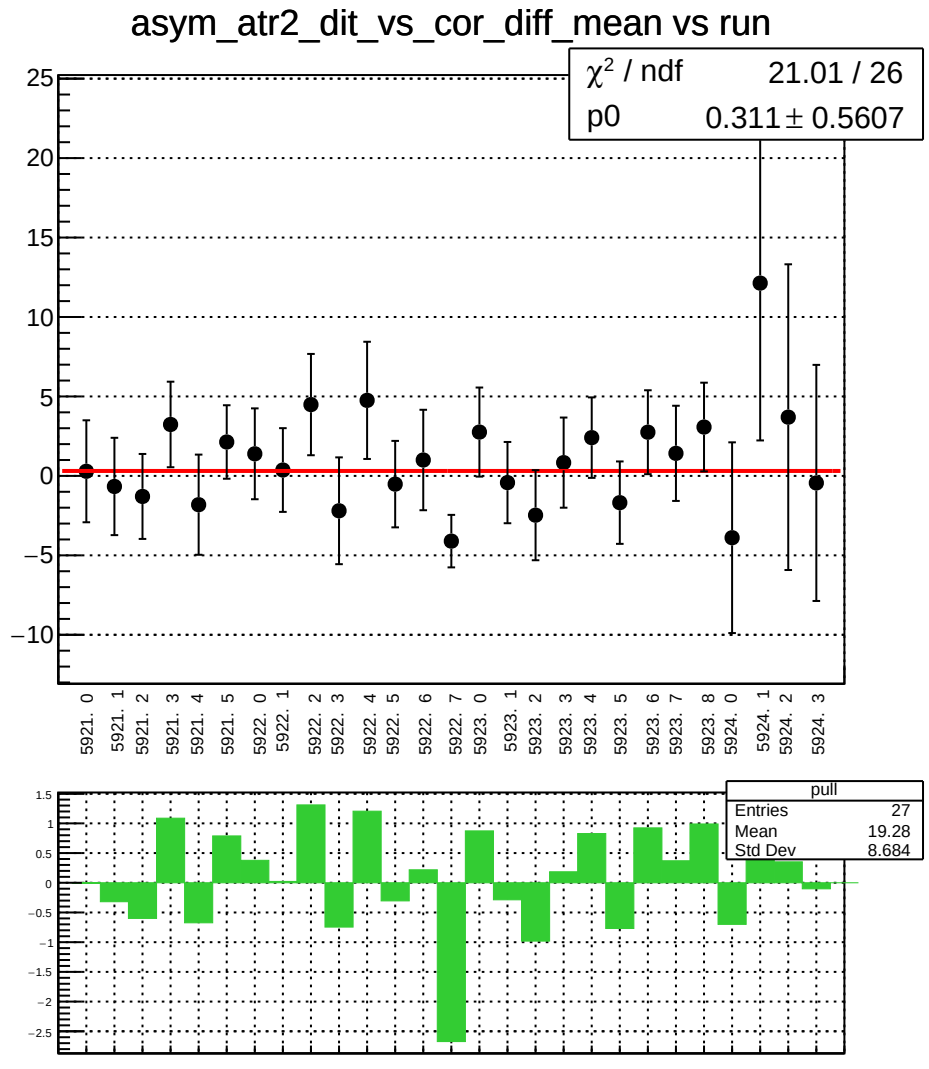

asym_atr2_rms vs run
χ² / ndf 3149 / 26
p0 8818 ± 12.3
11000
10500
10000
9500
9000
8500
8000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

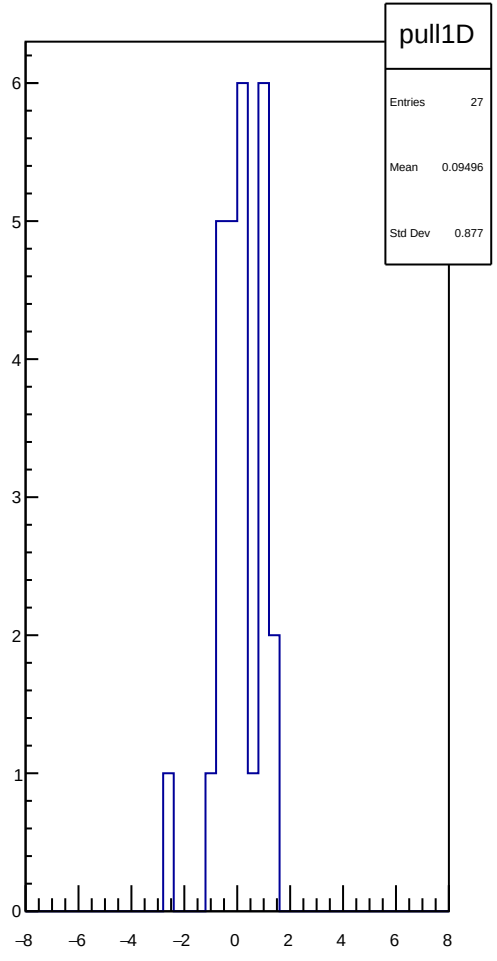

asym_atr2_reg_vs_cor_diff_mean vs run
χ² / ndf 22.77 / 26
p0 2.613e−12 ± 1.557e−12
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

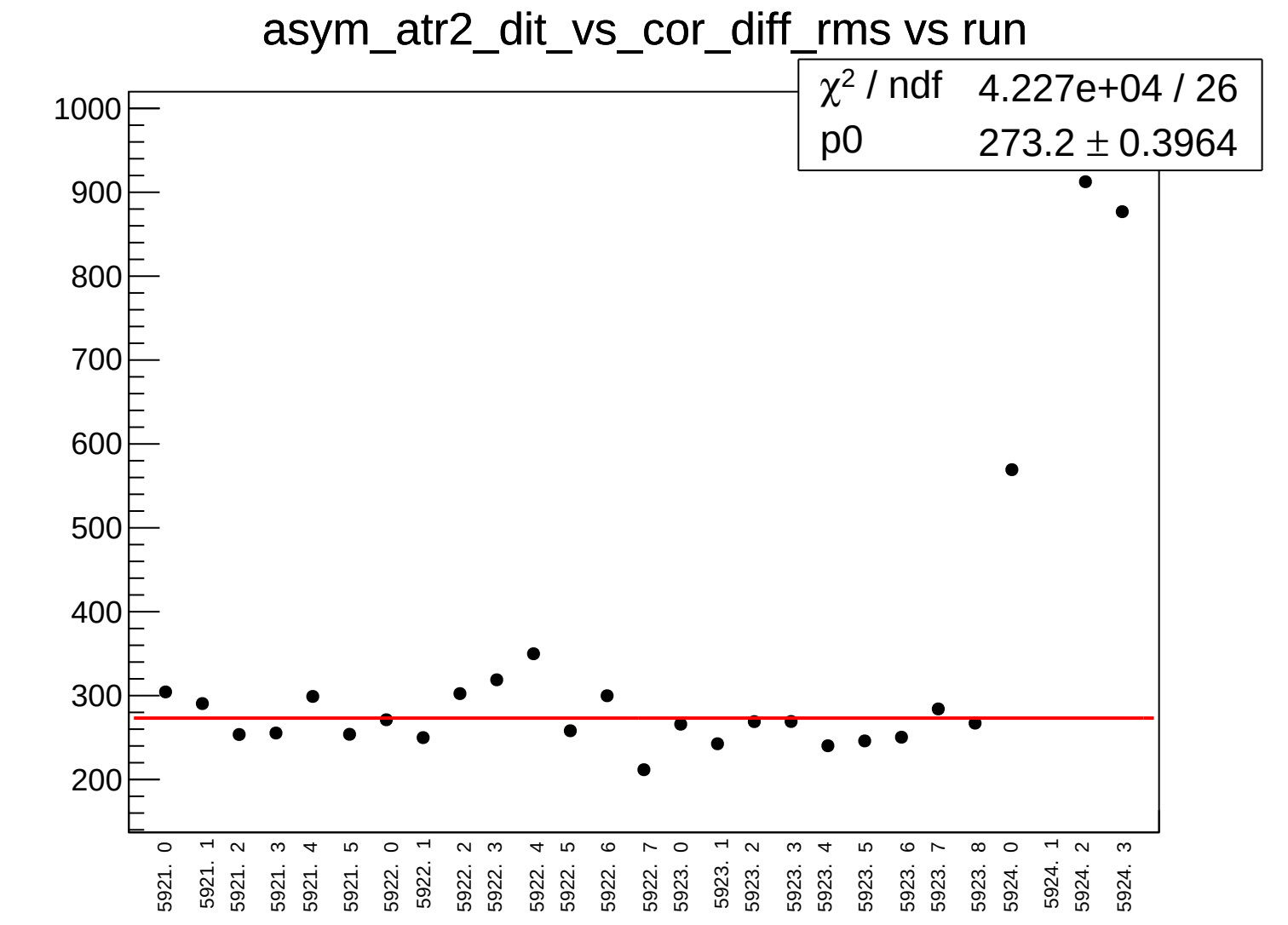

pull
Entries 27
Mean 9.464
Std Dev 6.878
2
1.5
1
0.5
0
−0.5
−1
−1.5

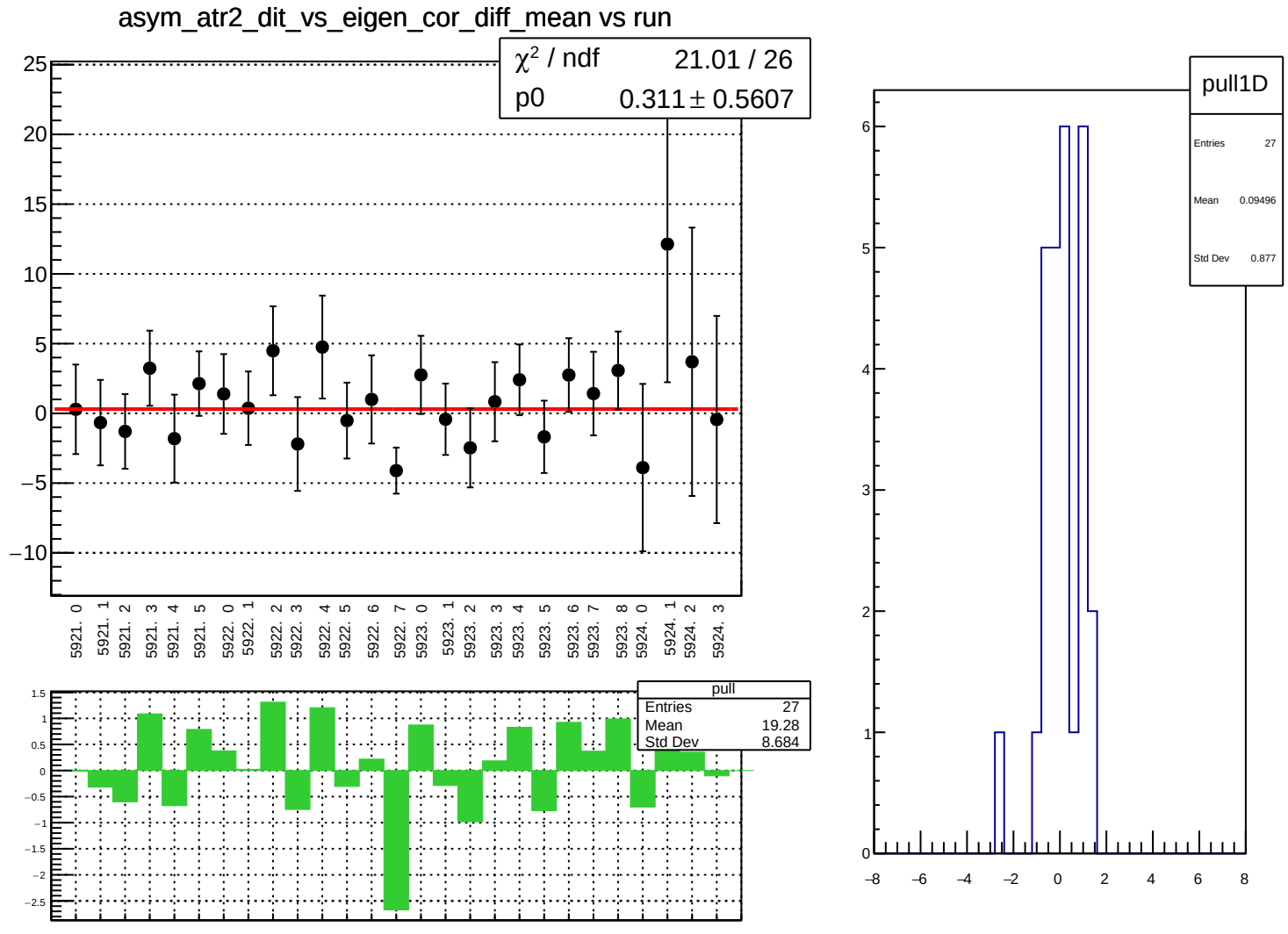

pull1D
Entries 27
Mean 0.2755
Std Dev 0.876
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

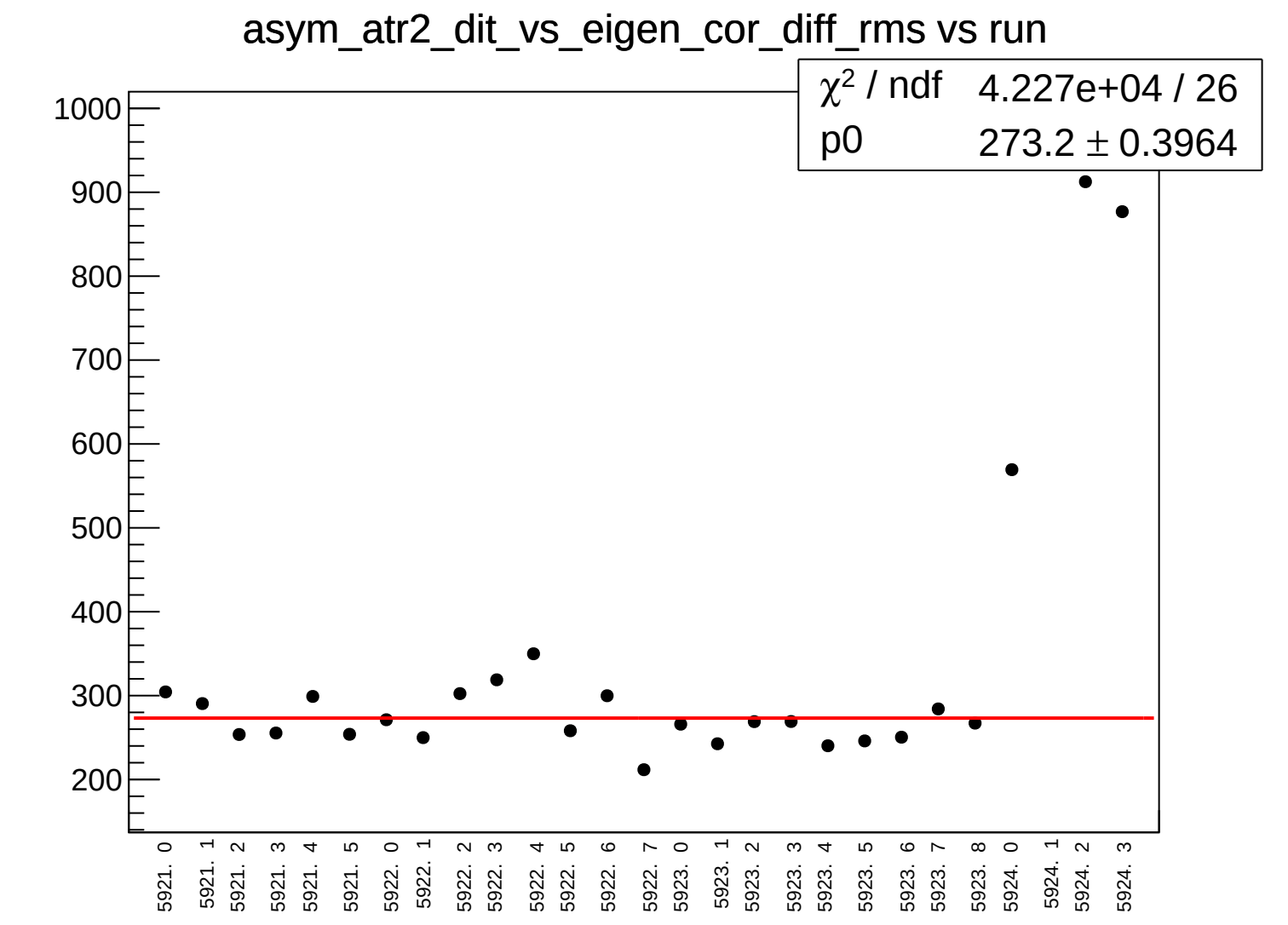

asym_atr2_reg_vs_cor_diff_rms vs run
χ² / ndf 3.222e+05 / 26
p0 4.859e−10 ± 1.101e−12
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

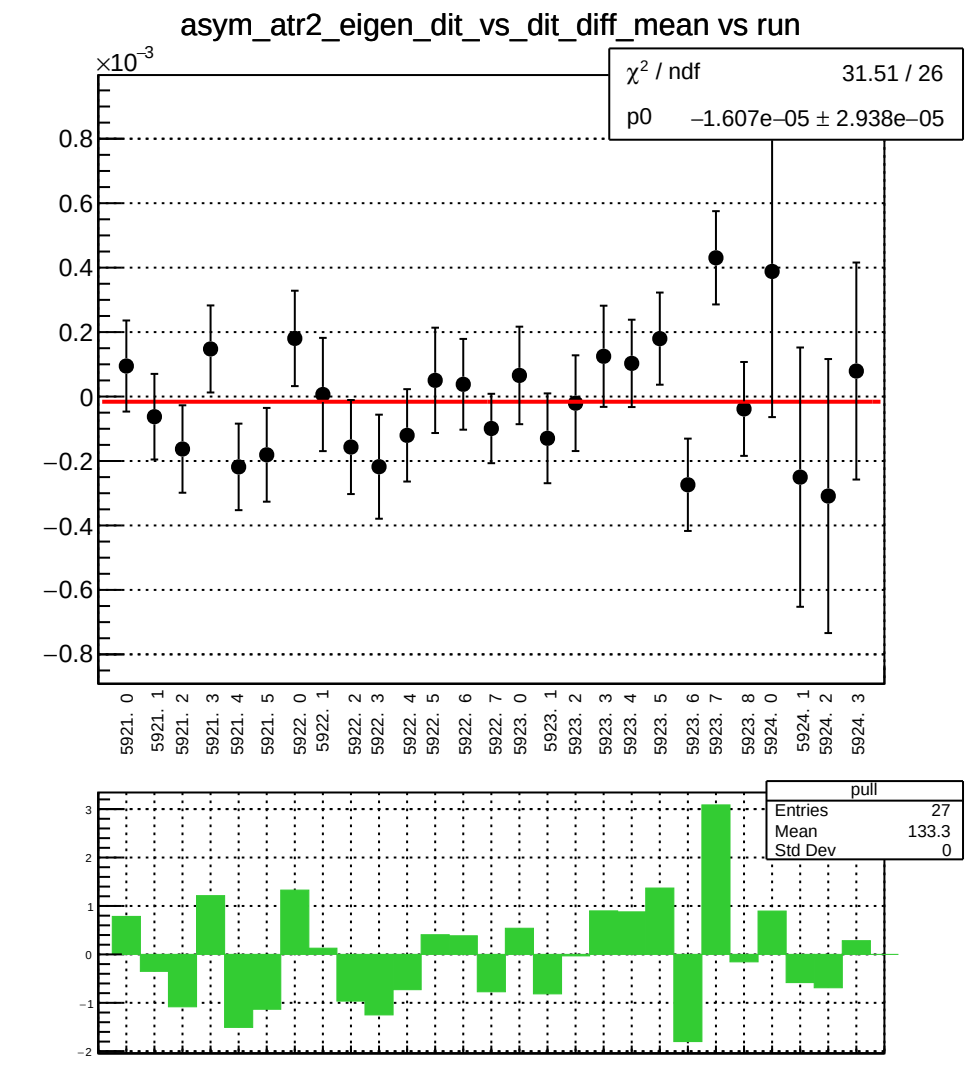

asym_atr2_dit_vs_cor_diff_mean vs run
χ² / ndf 21.01 / 26
p0 0.311 ± 0.5607
pull
Entries 27
Mean 19.28
Std Dev 8.684

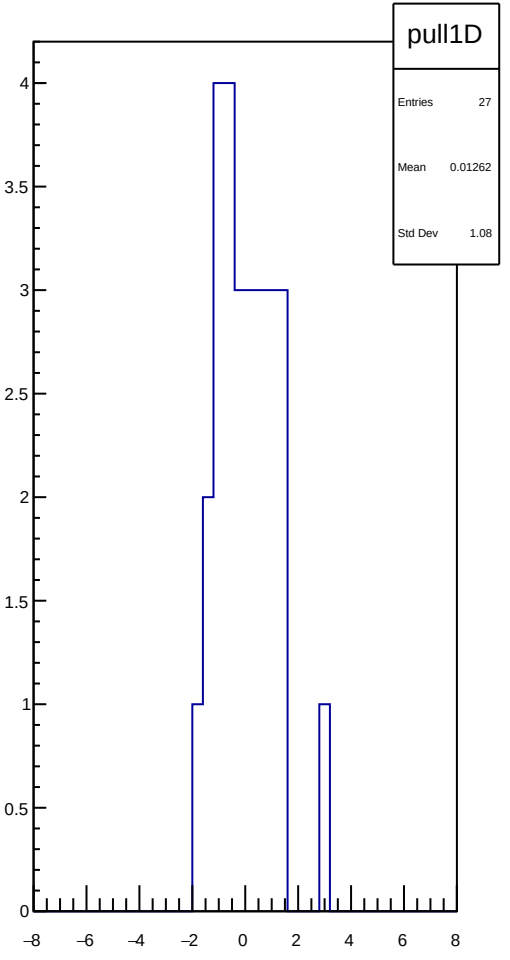

pull1D
Entries 27
Mean 0.09496
Std Dev 0.877

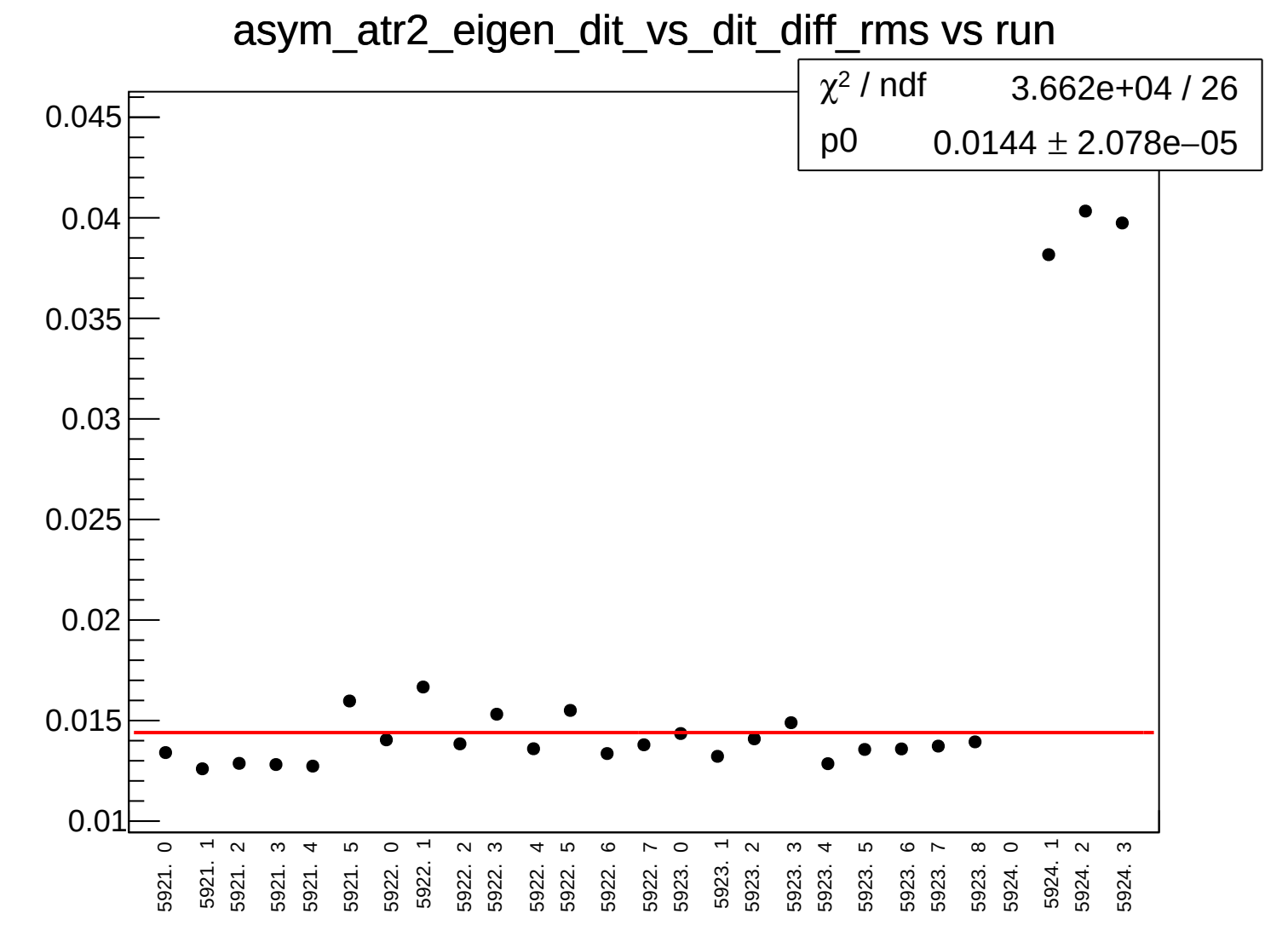

asym_atr2_dit_vs_cor_diff_rms vs run
χ² / ndf 4.227e+04 / 26
p0 273.2 ± 0.3964
1000
900
800
700
600
500
400
300
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

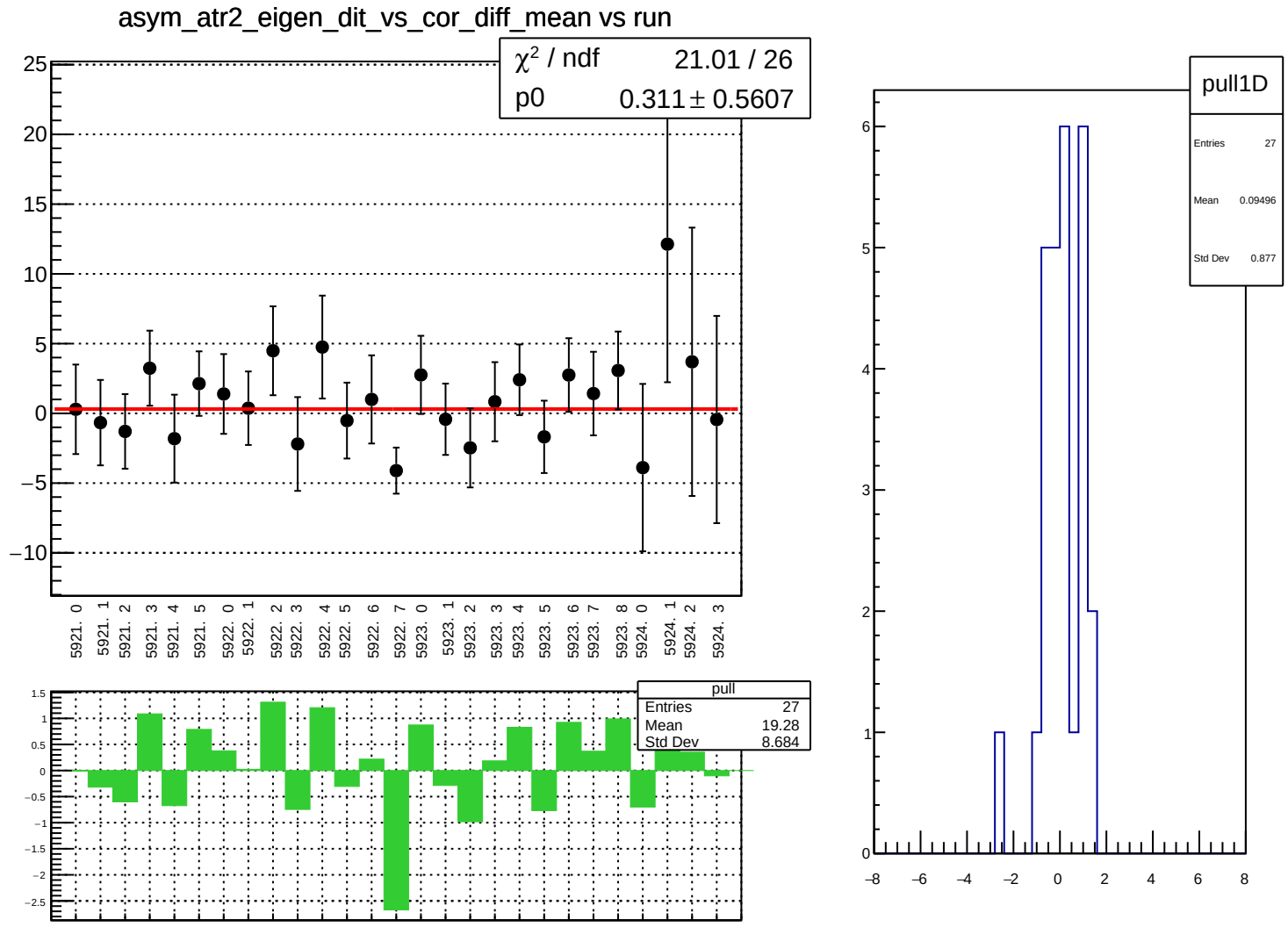

asym_atr2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 21.01 / 26
p0 0.311 ± 0.5607
25
20
15
10
5
0
−5
−10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 19.28
Std Dev 8.684
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean 0.09496
Std Dev 0.877
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

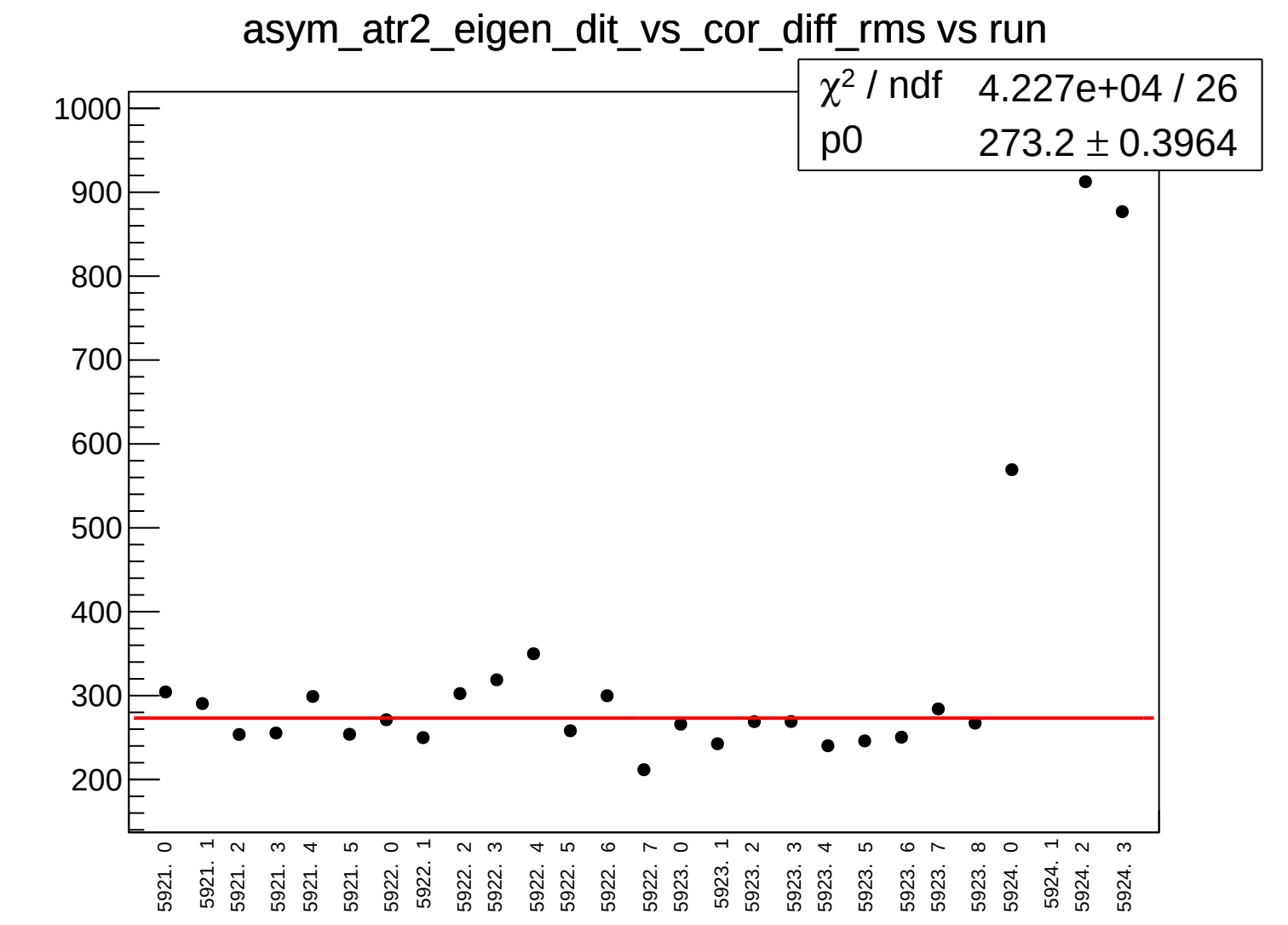

asym_atr2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.227e+04 / 26
p0 273.2 ± 0.3964
1000
900
800
700
600
500
400
300
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

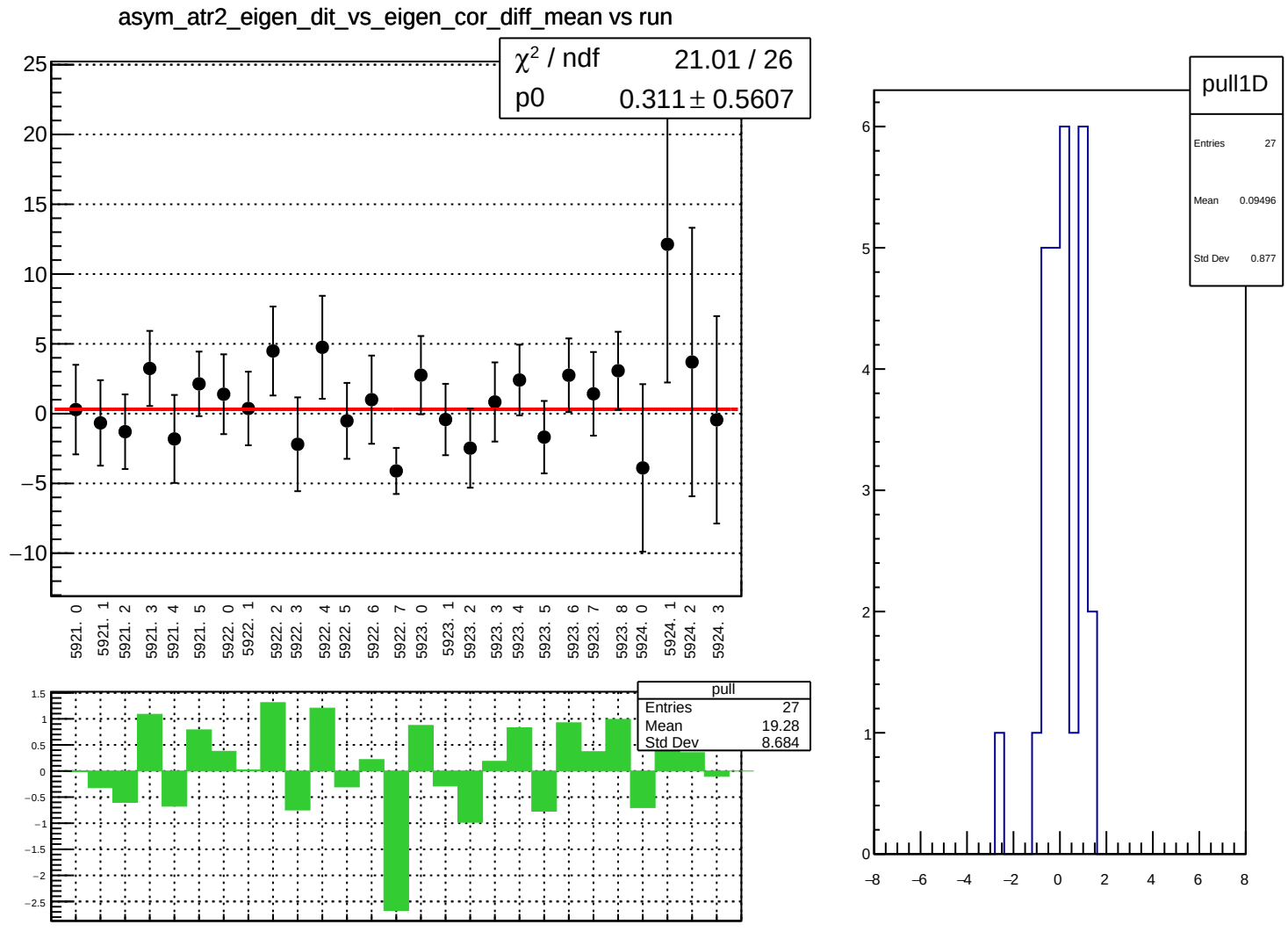

asym_atr2_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 31.51 / 26
p0 −1.607e−05 ± 2.938e−05
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 133.3
Std Dev 0
3
2
1
0
−1
−2

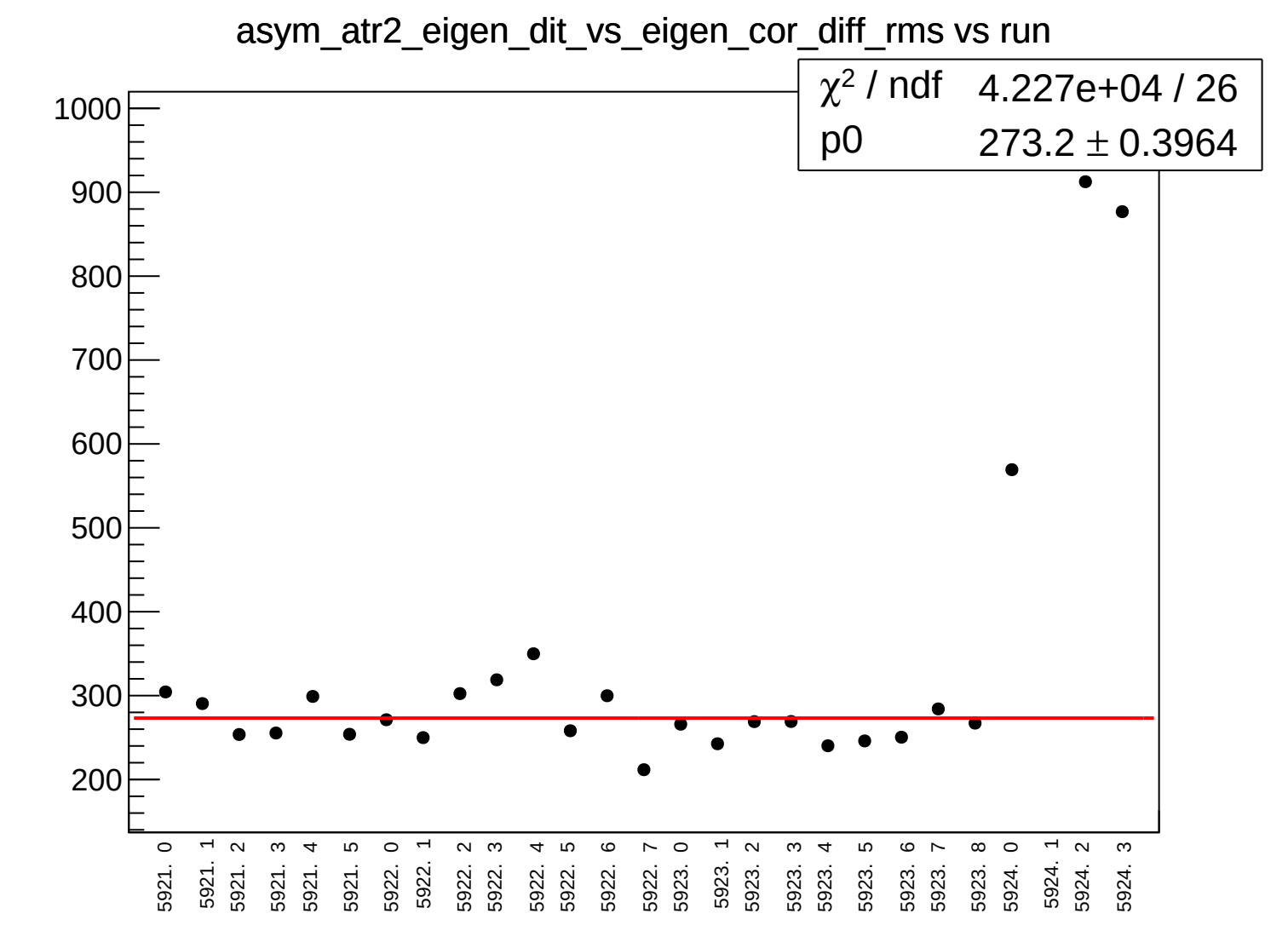

pull1D
Entries 27
Mean 0.01262
Std Dev 1.08
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

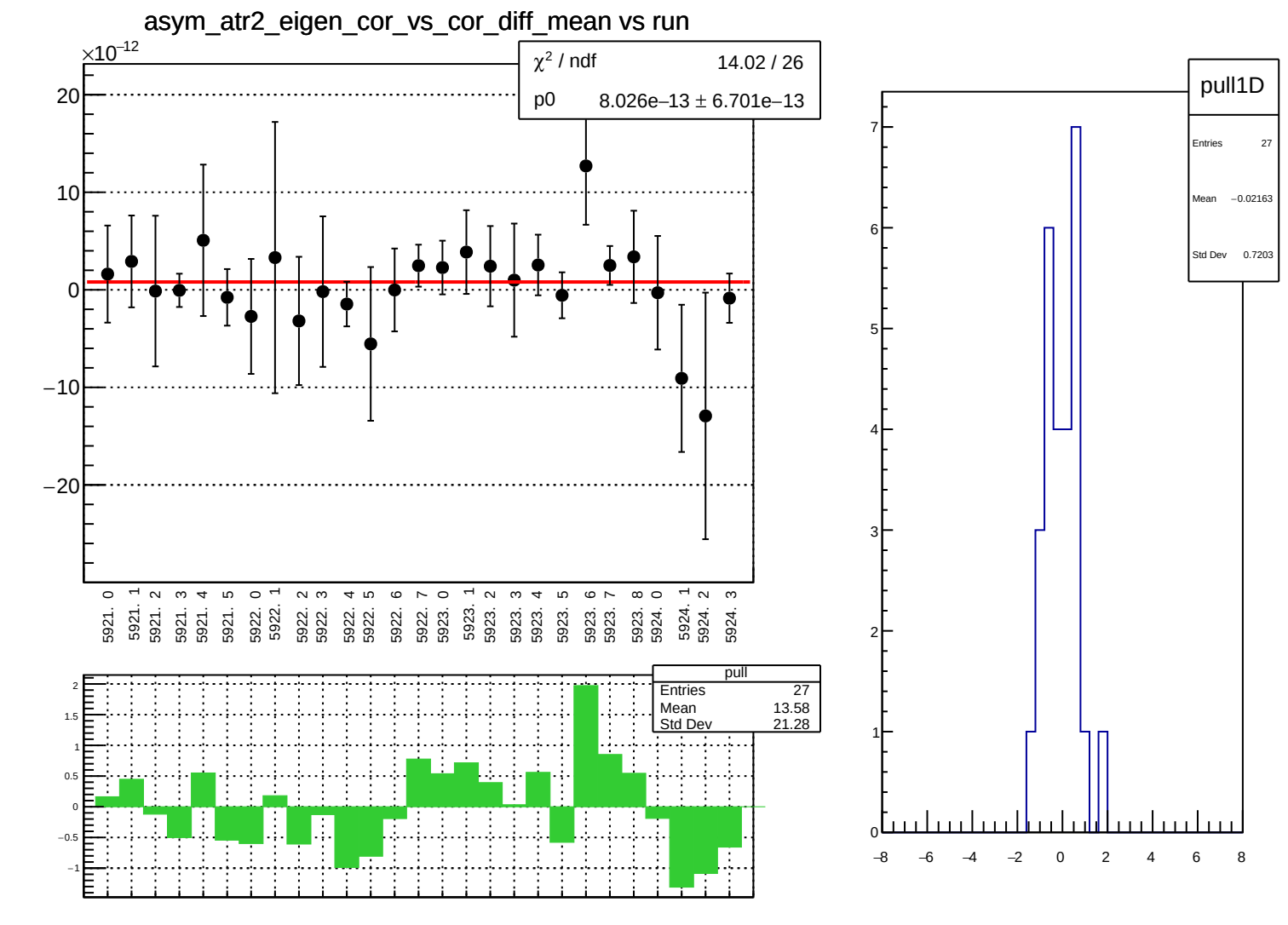

asym_atr2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.662e+04 / 26
p0 0.0144 ± 2.078e−05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

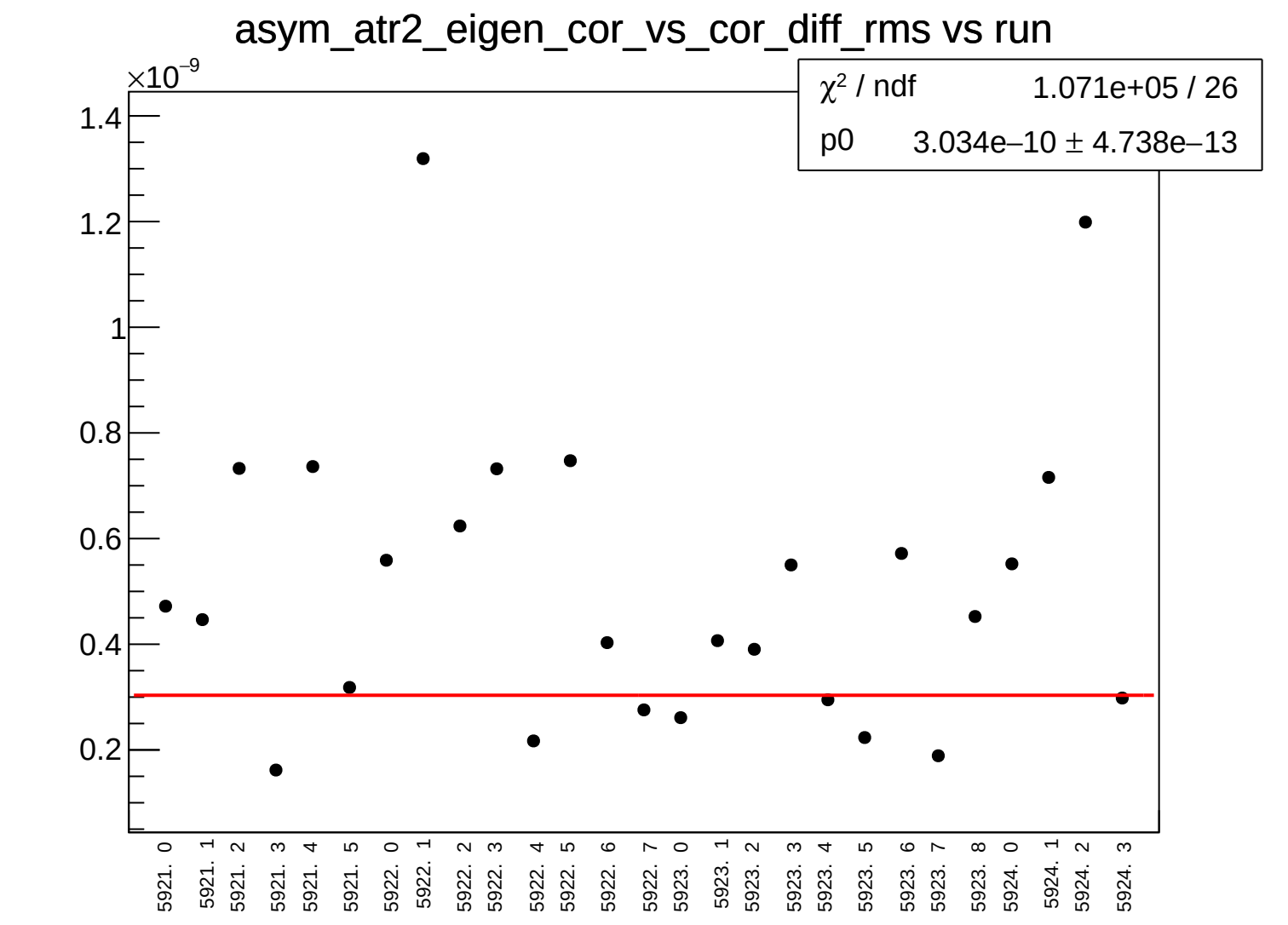

asym_atr2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 21.01 / 26
p0 0.311 ± 0.5607
pull
Entries 27
Mean 19.28
Std Dev 8.684
pull1D
Entries 27
Mean 0.09496
Std Dev 0.877

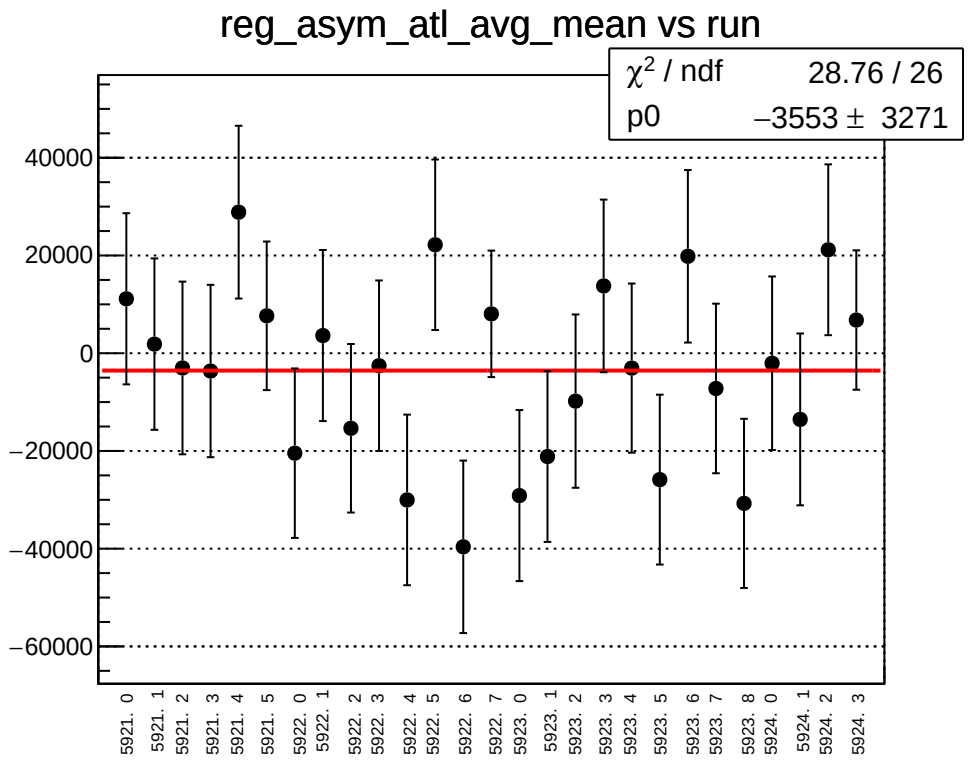

asym_atr2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.227e+04 / 26
p0 273.2 ± 0.3964
1000
900
800
700
600
500
400
300
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

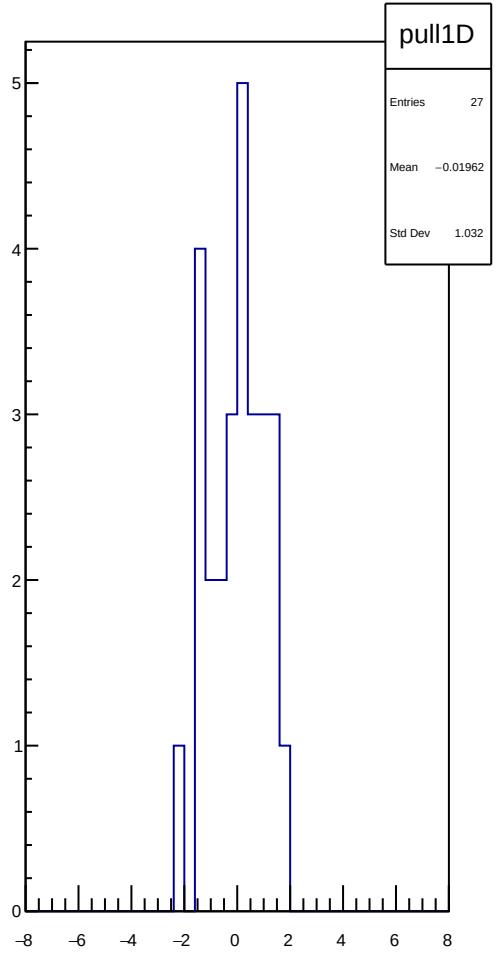

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 21.01 / 26
p0 0.311 ± 0.5607
25
20
15
10
5
0
−5
−10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 19.28
Std Dev 8.684
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean 0.09496
Std Dev 0.877
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

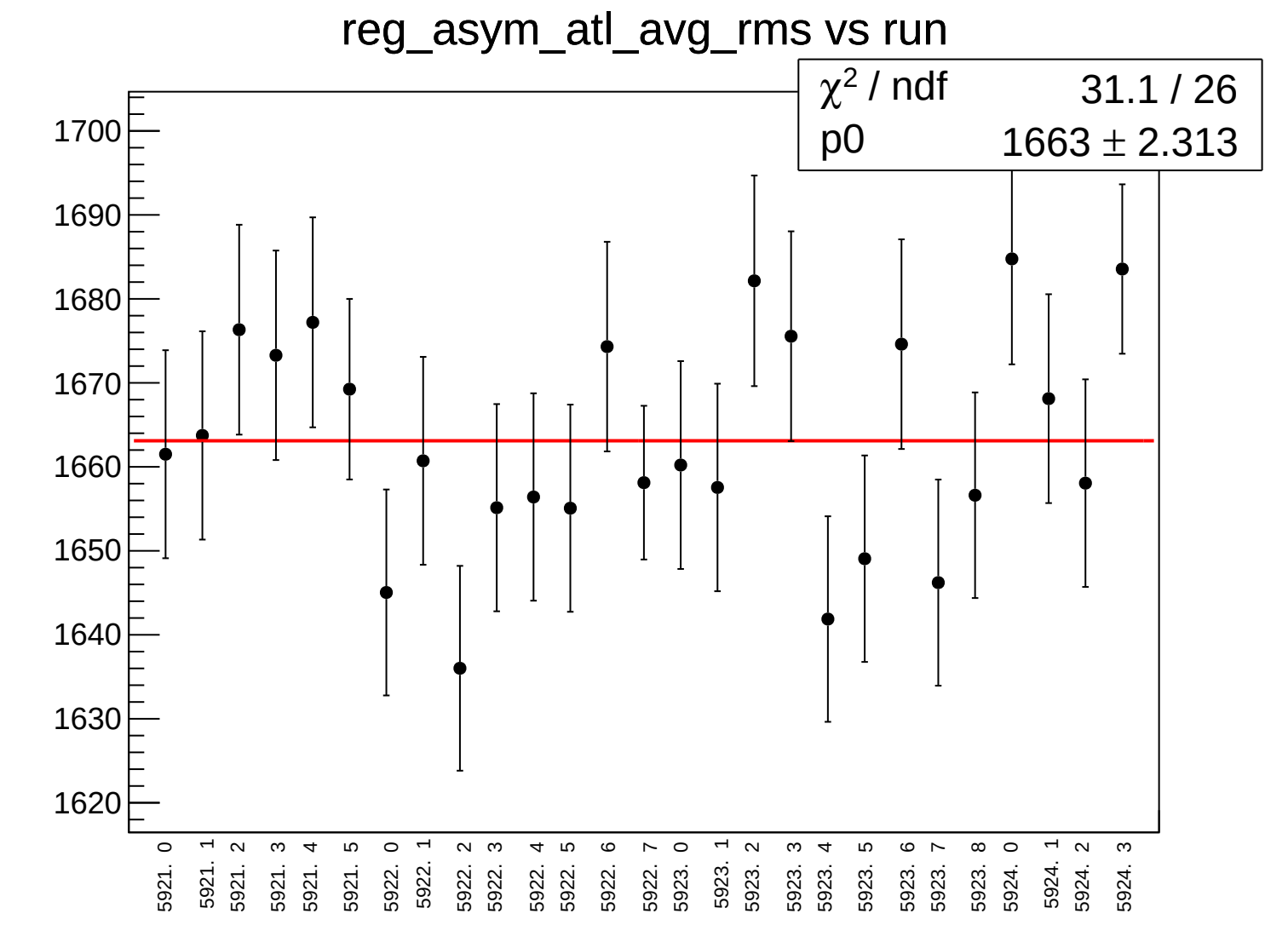

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.227e+04 / 26
p0 273.2 ± 0.3964
1000
900
800
700
600
500
400
300
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

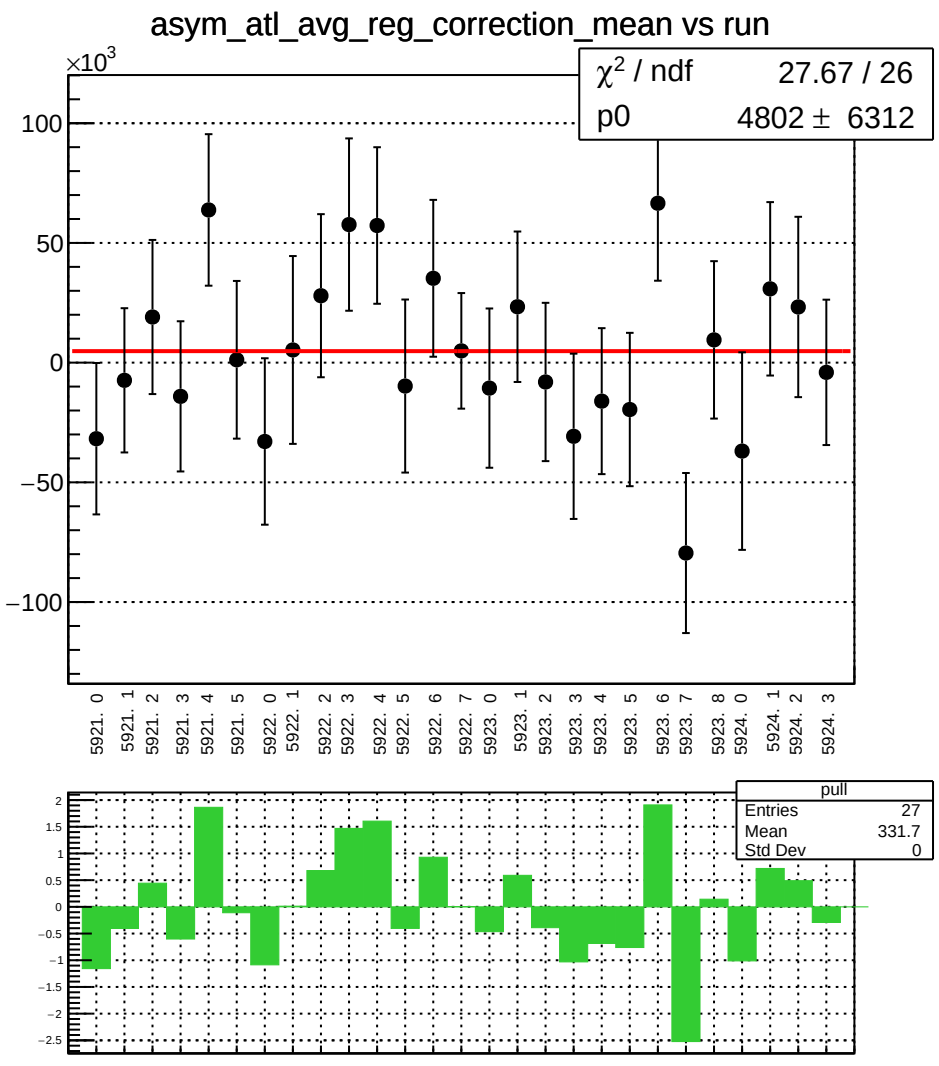

asym_atr2_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 14.02 / 26
p0 8.026e−13 ± 6.701e−13
20
10
0
−10
−20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 13.58
Std Dev 21.28
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 27
Mean −0.02163
Std Dev 0.7203
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

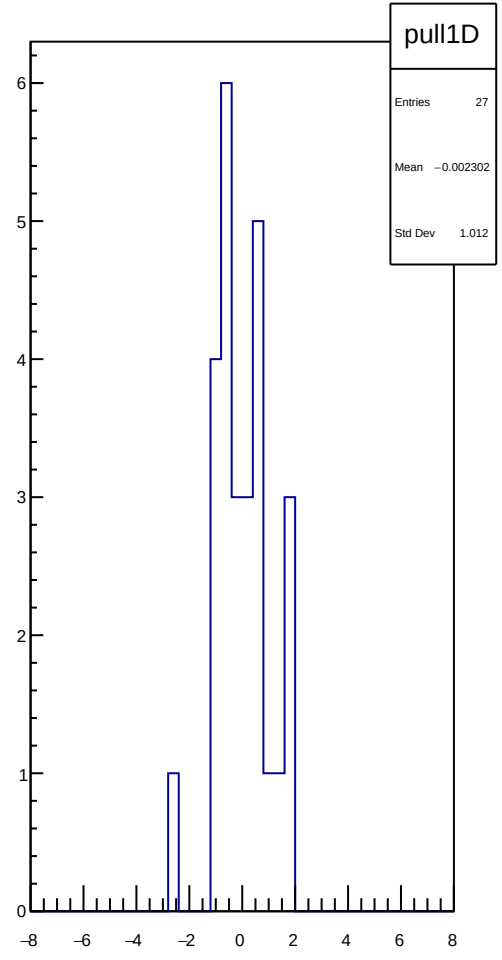

asym_atr2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.071e+05 / 26
p0 3.034e−10 ± 4.738e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

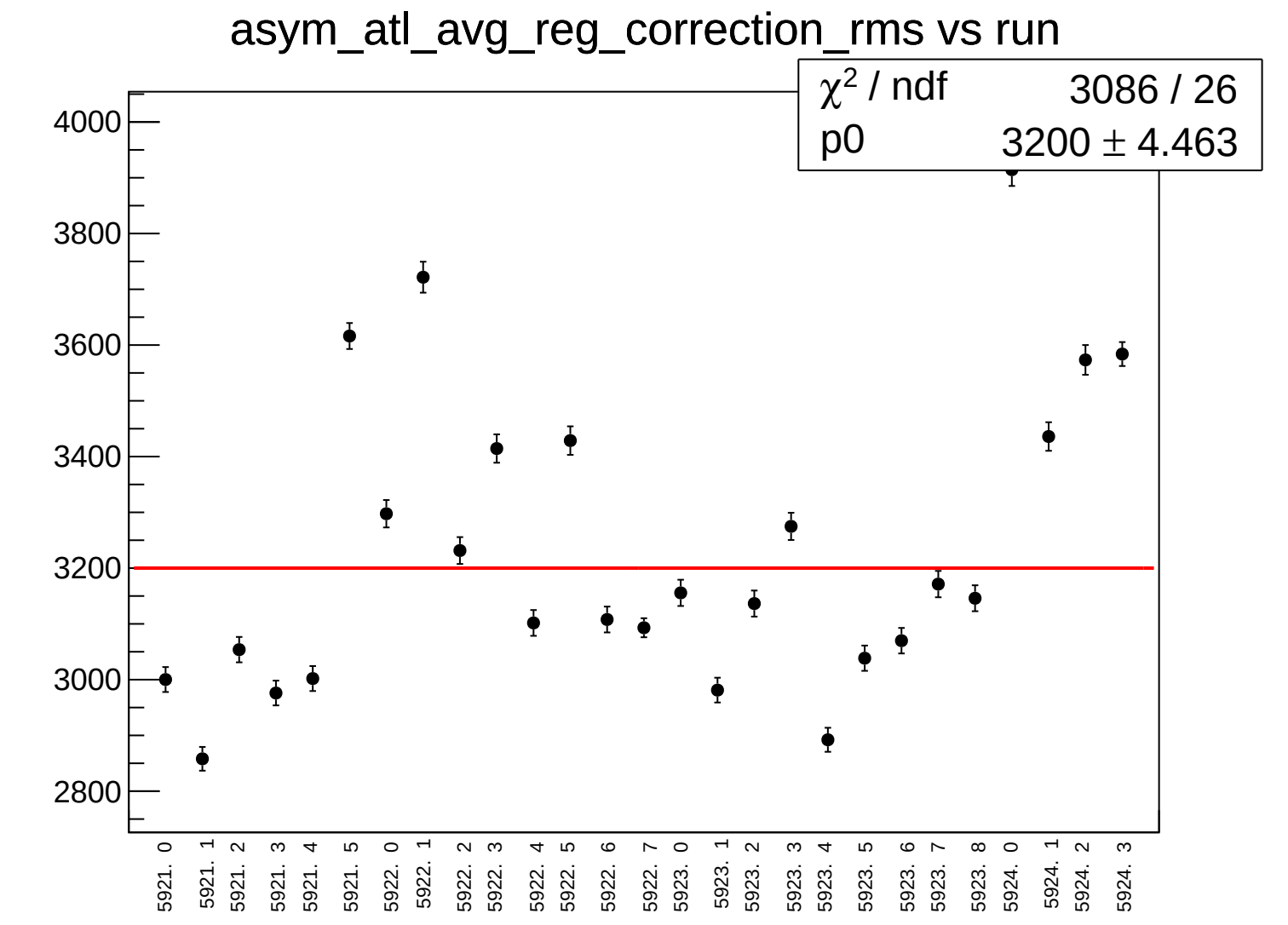

reg_asym_atl_avg_mean vs run
χ² / ndf 28.76 / 26
p0 −3553 ± 3271
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 50.91
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

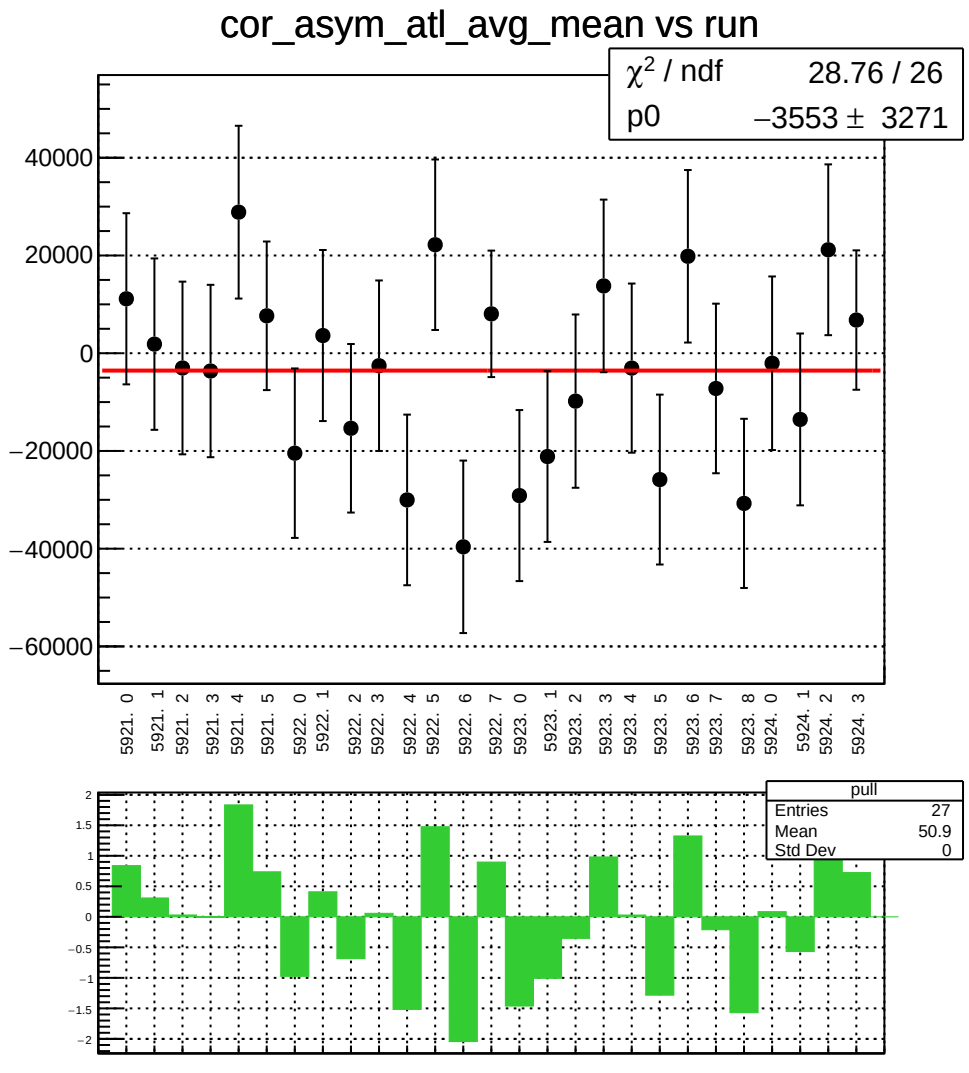

pull1D
Entries 27
Mean −0.01962
Std Dev 1.032
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

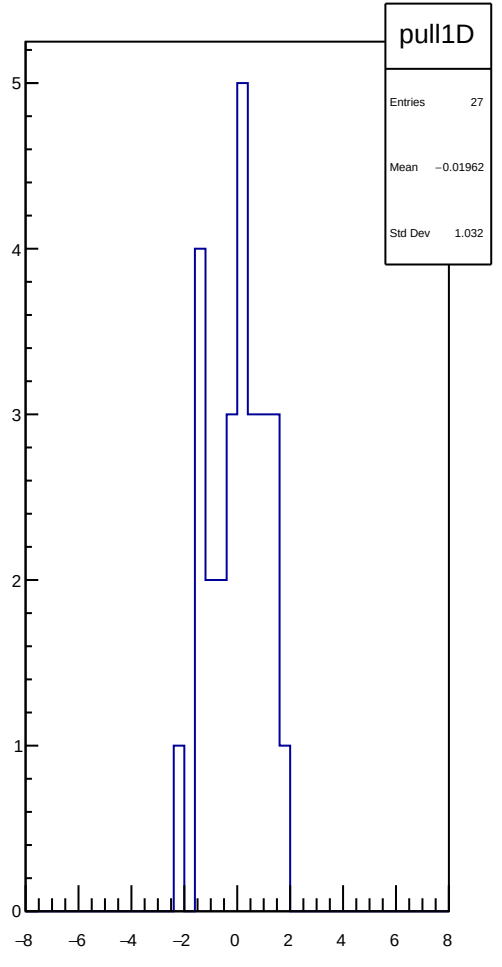

reg_asym_atl_avg_rms vs run
χ² / ndf 31.1 / 26
p0 1663 ± 2.313
1700
1690
1680
1670
1660
1650
1640
1630
1620
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

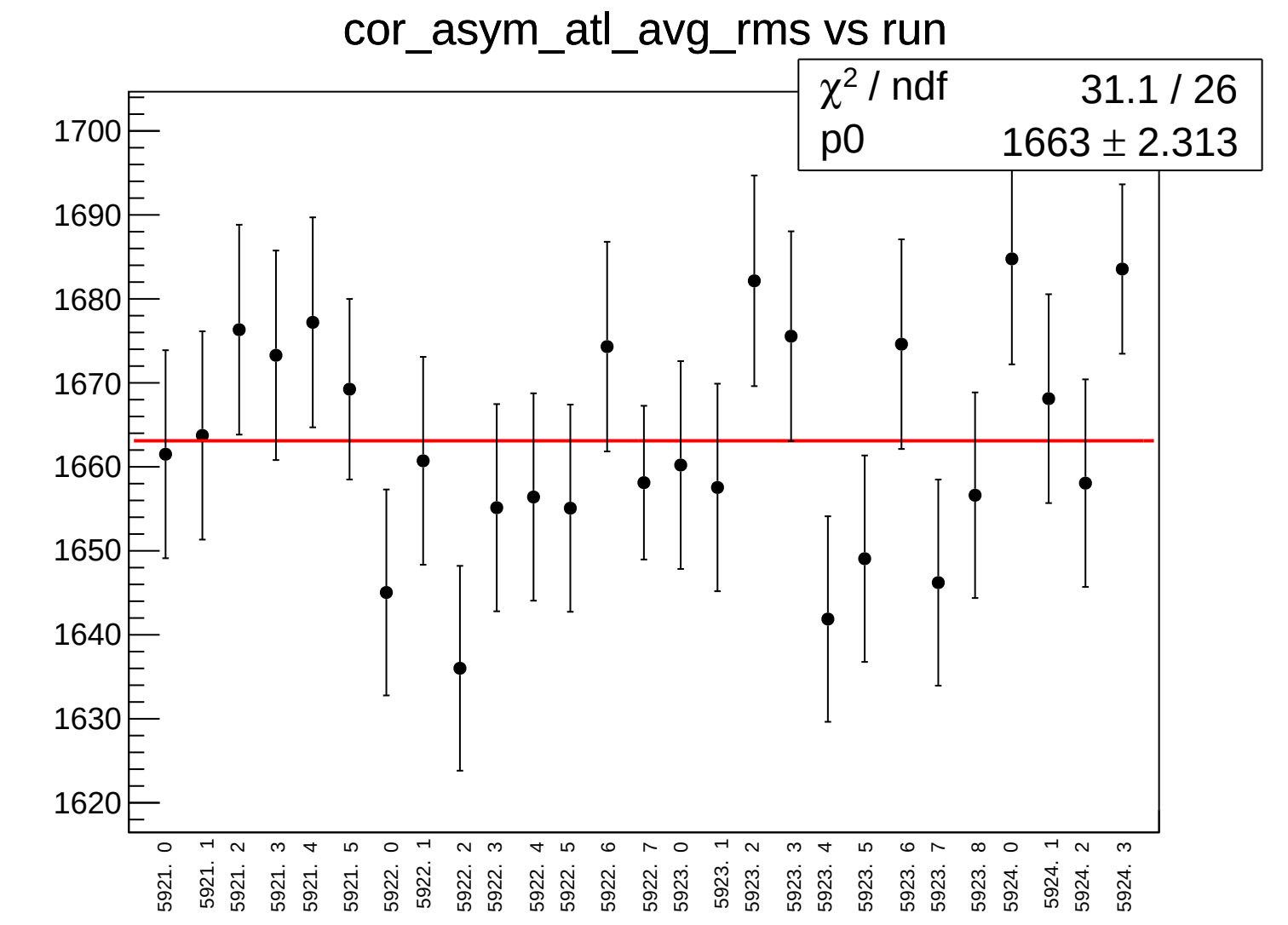

asym_atl_avg_reg_correction_mean vs run
×10^3
χ² / ndf 27.67 / 26
p0 4802 ± 6312
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 331.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

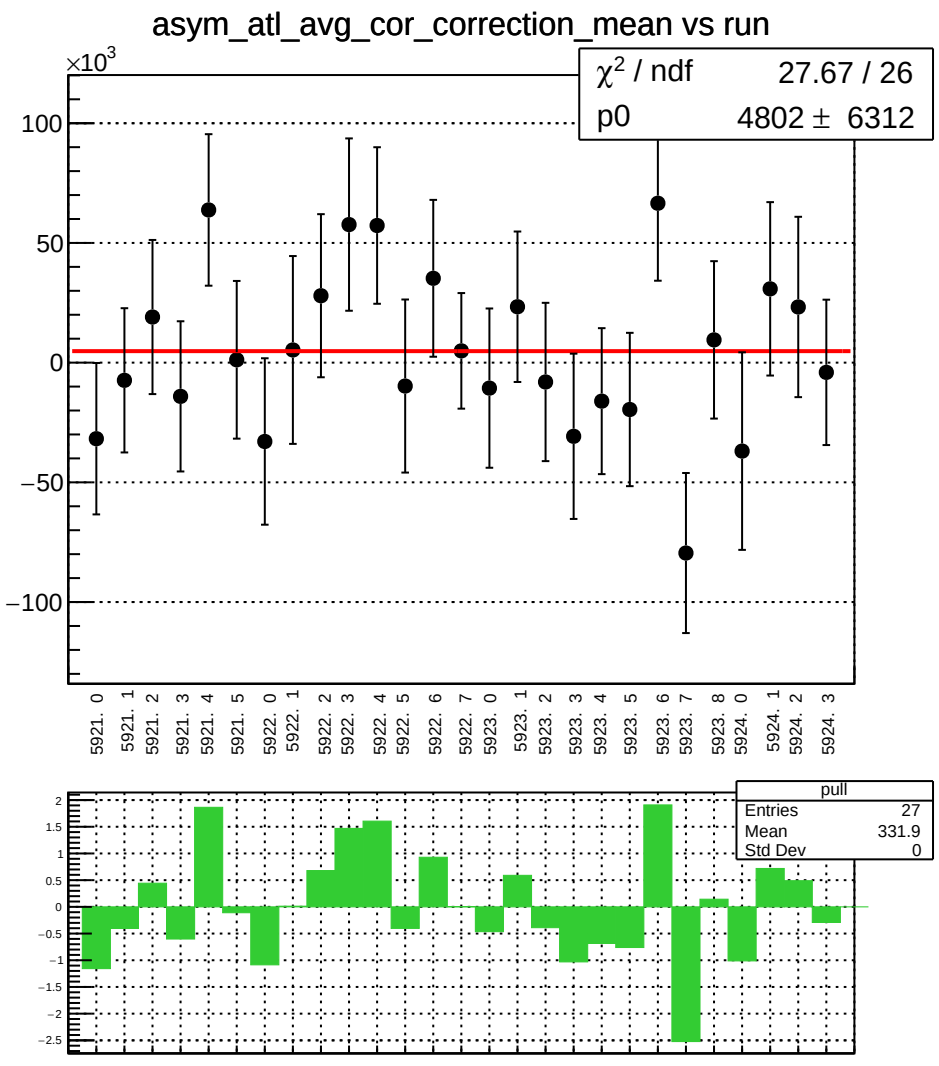

pull1D
Entries 27
Mean −0.002302
Std Dev 1.012
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

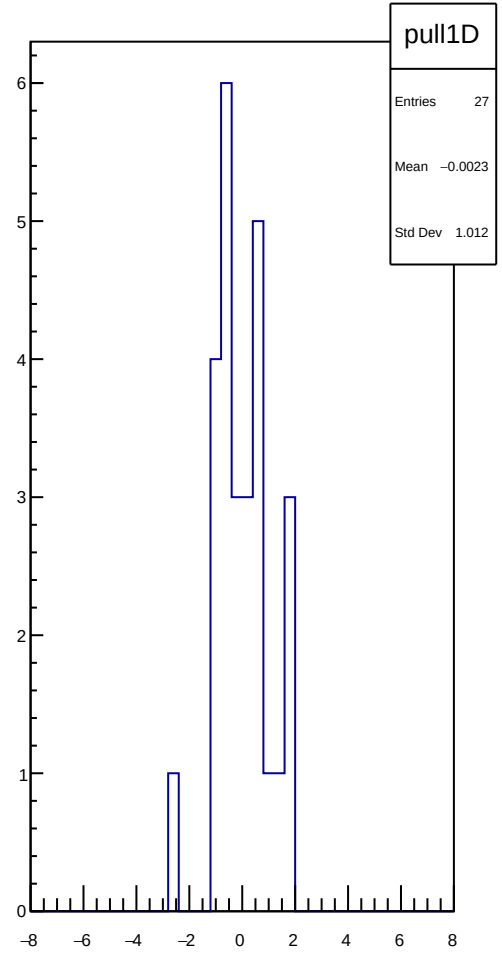

asym_atl_avg_reg_correction_rms vs run
χ² / ndf 3086 / 26
p0 3200 ± 4.463
4000
3800
3600
3400
3200
3000
2800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

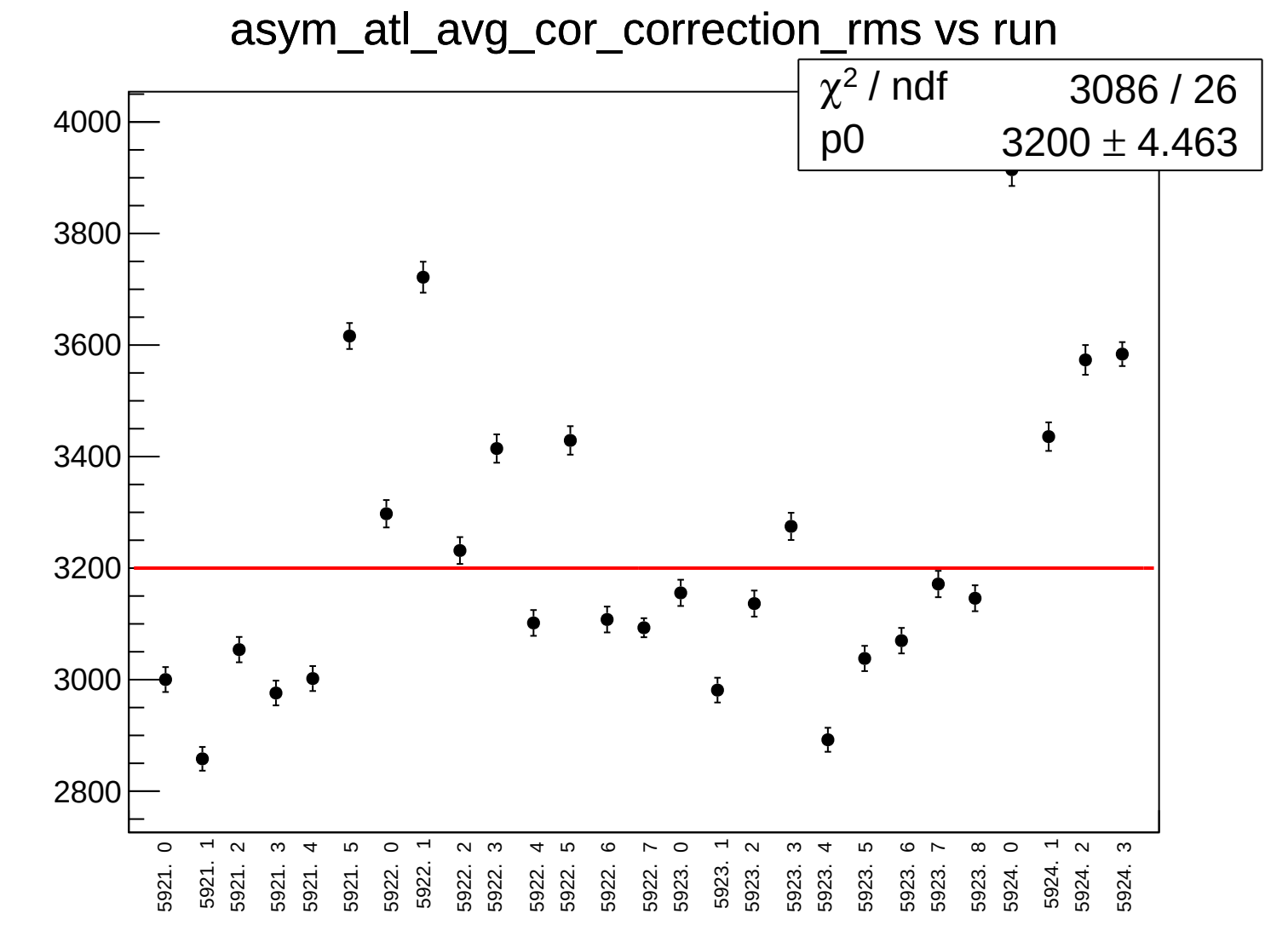

cor_asym_atl_avg_mean vs run
χ² / ndf 28.76 / 26
p0 −3553 ± 3271
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 50.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

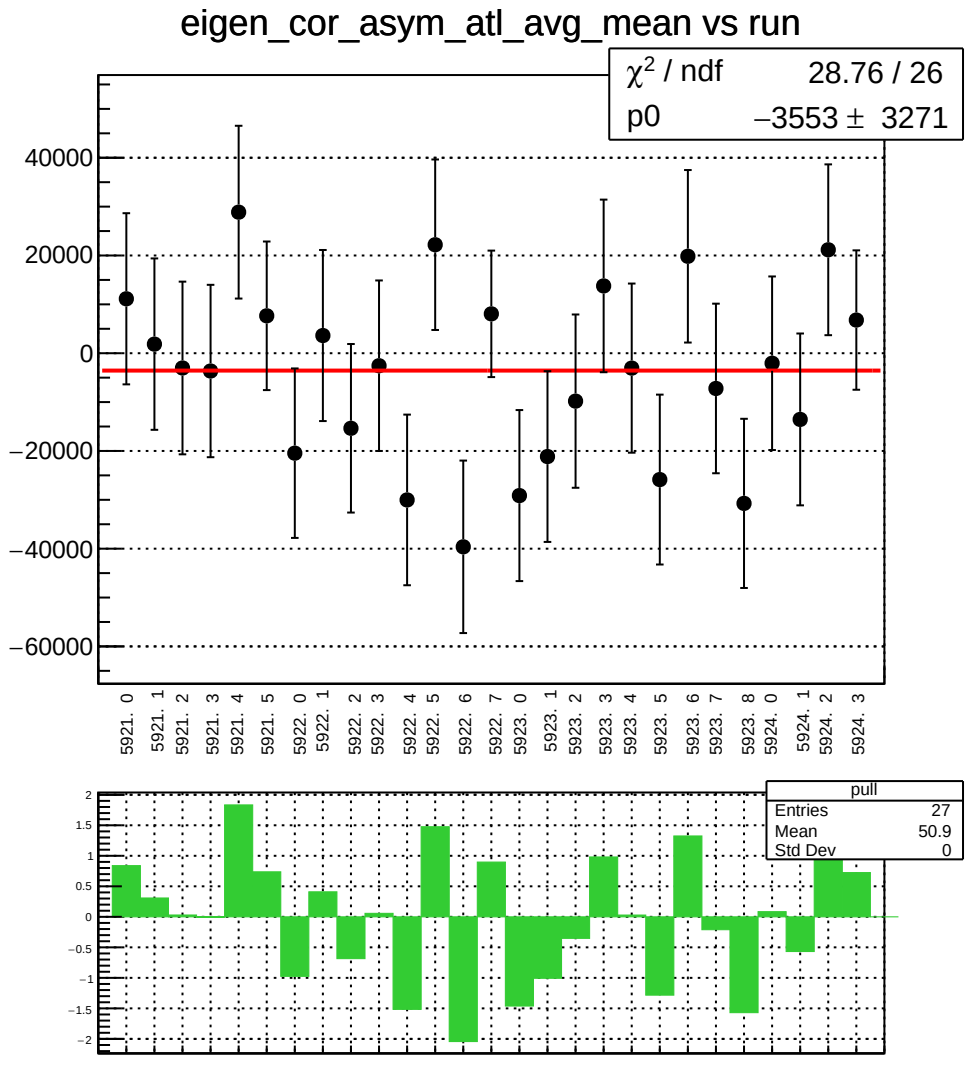

pull1D
Entries 27
Mean −0.01962
Std Dev 1.032
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

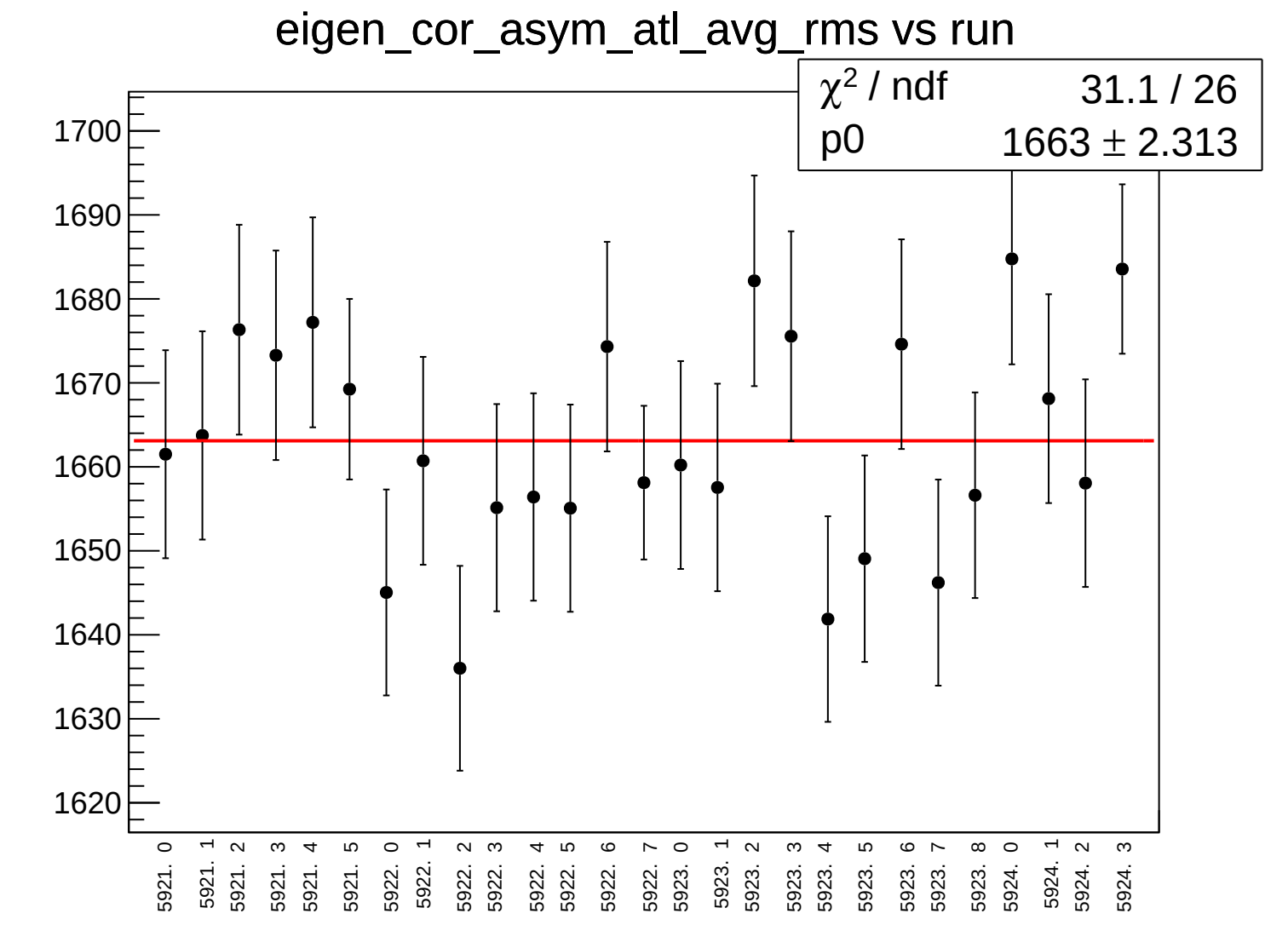

cor_asym_atl_avg_rms vs run
χ² / ndf 31.1 / 26
p0 1663 ± 2.313
1700
1690
1680
1670
1660
1650
1640
1630
1620
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

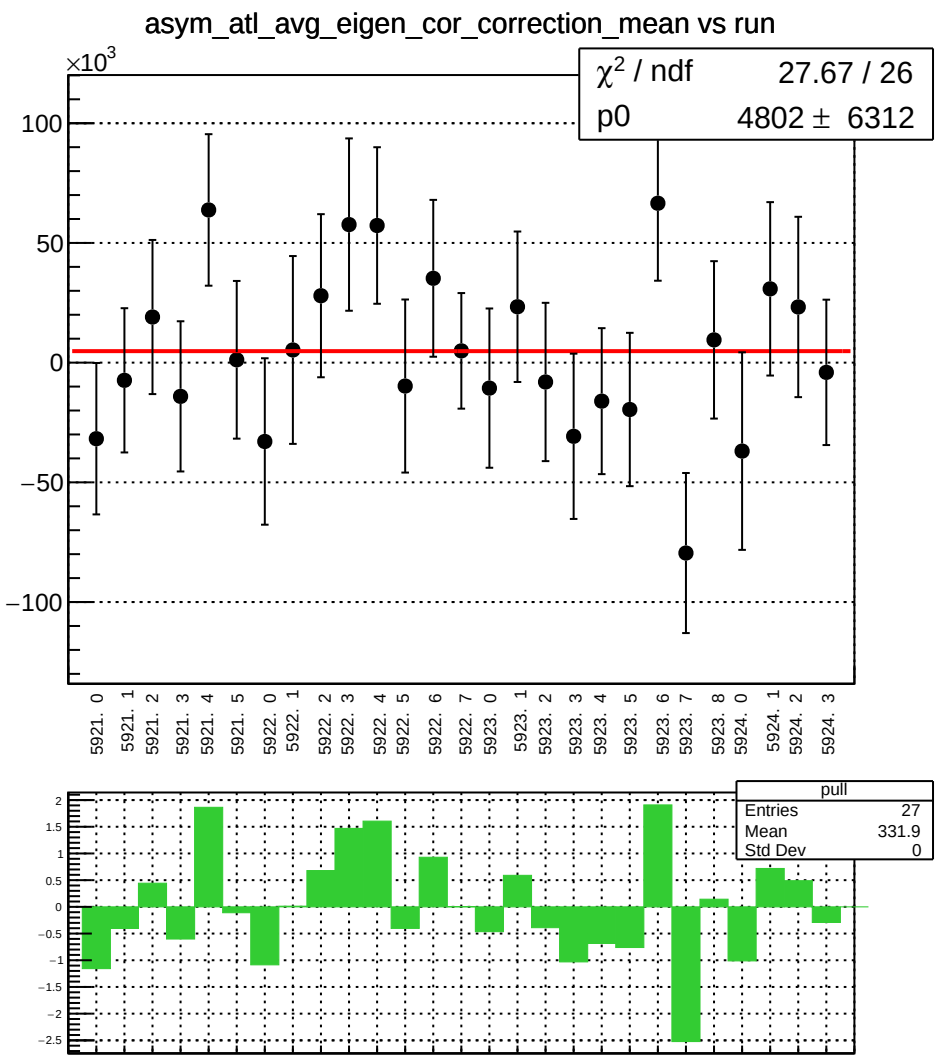

asym_atl_avg_cor_correction_mean vs run
×10^3
χ^2 / ndf 27.67 / 26
p0 4802 ± 6312
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 331.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

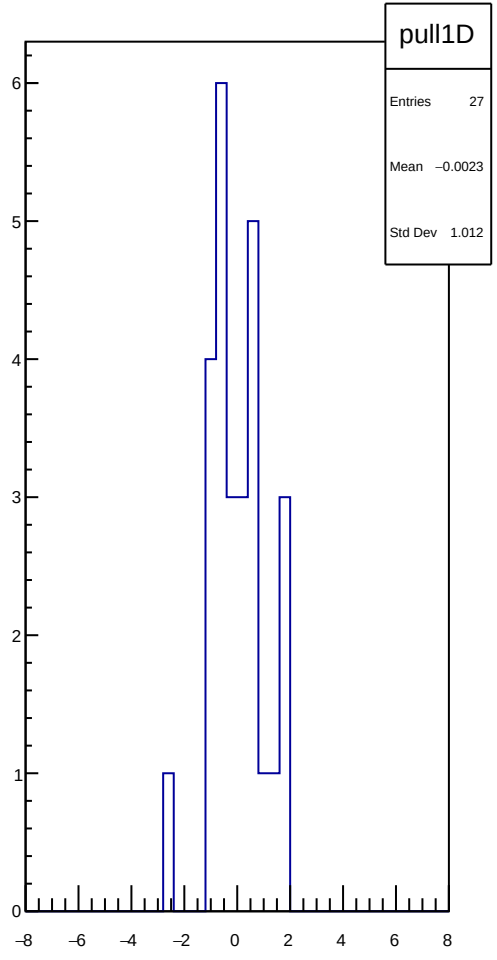

pull1D
Entries 27
Mean −0.0023
Std Dev 1.012
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

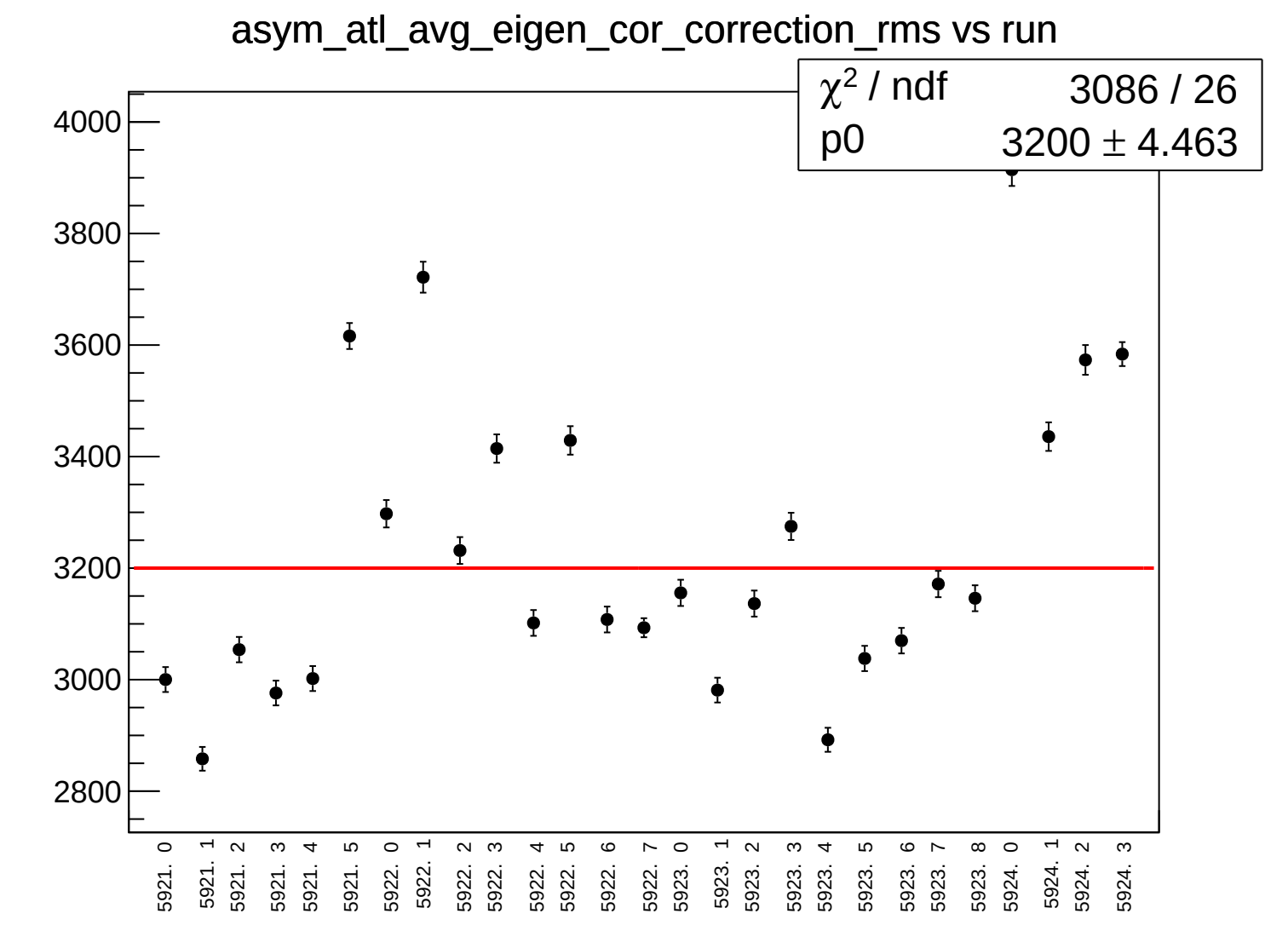

asym_atl_avg_cor_correction_rms vs run
χ² / ndf 3086 / 26
p0 3200 ± 4.463
4000
3800
3600
3400
3200
3000
2800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

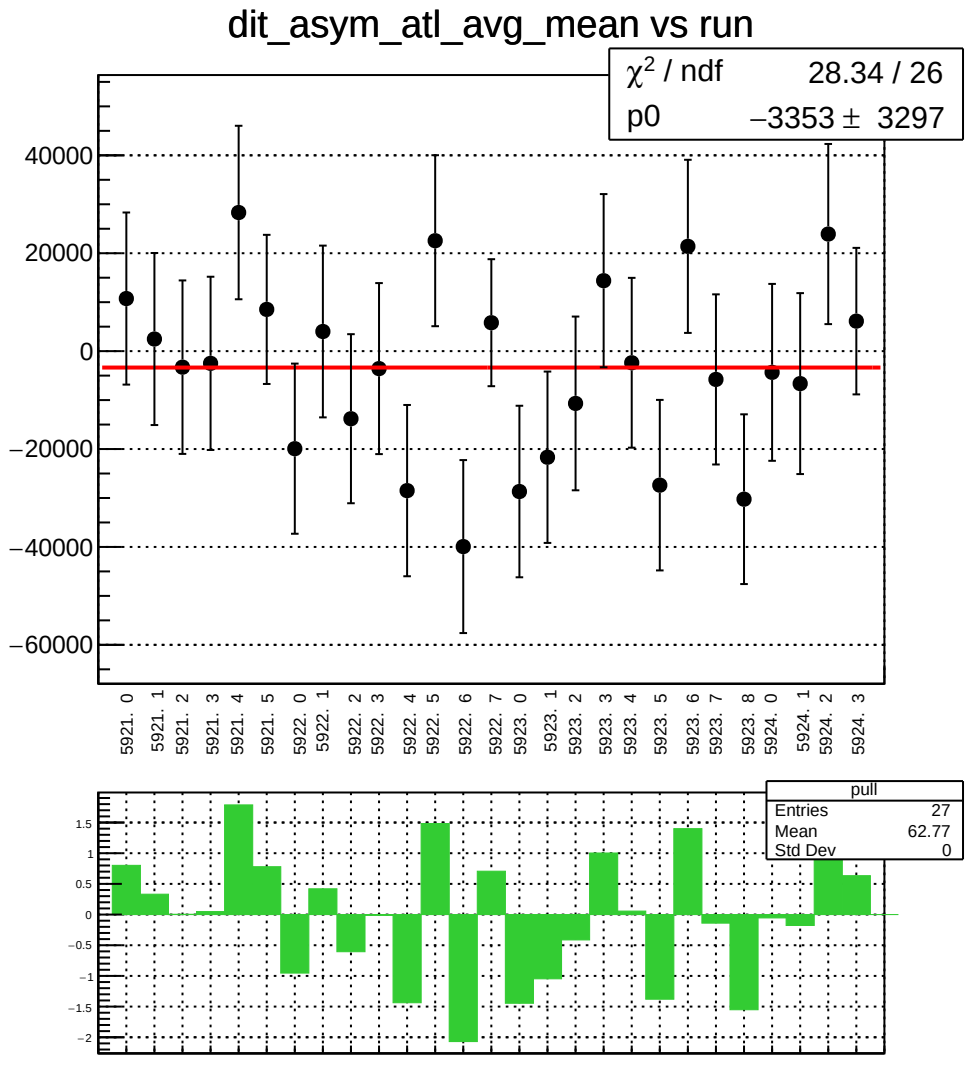

eigen_cor_asym_atl_avg_mean vs run
χ² / ndf 28.76 / 26
p0 −3553 ± 3271
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 50.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.01962
Std Dev 1.032
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

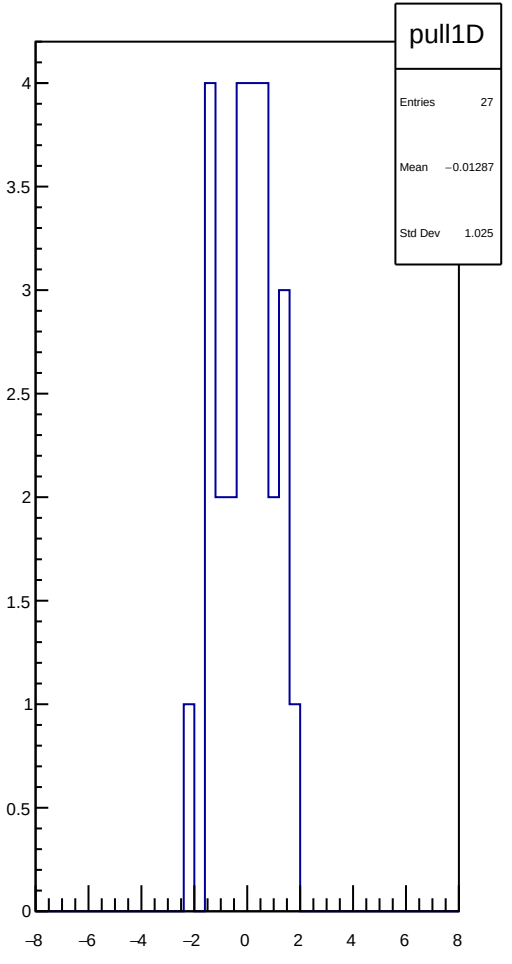

eigen_cor_asym_atl_avg_rms vs run
χ² / ndf 31.1 / 26
p0 1663 ± 2.313
1700
1690
1680
1670
1660
1650
1640
1630
1620
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

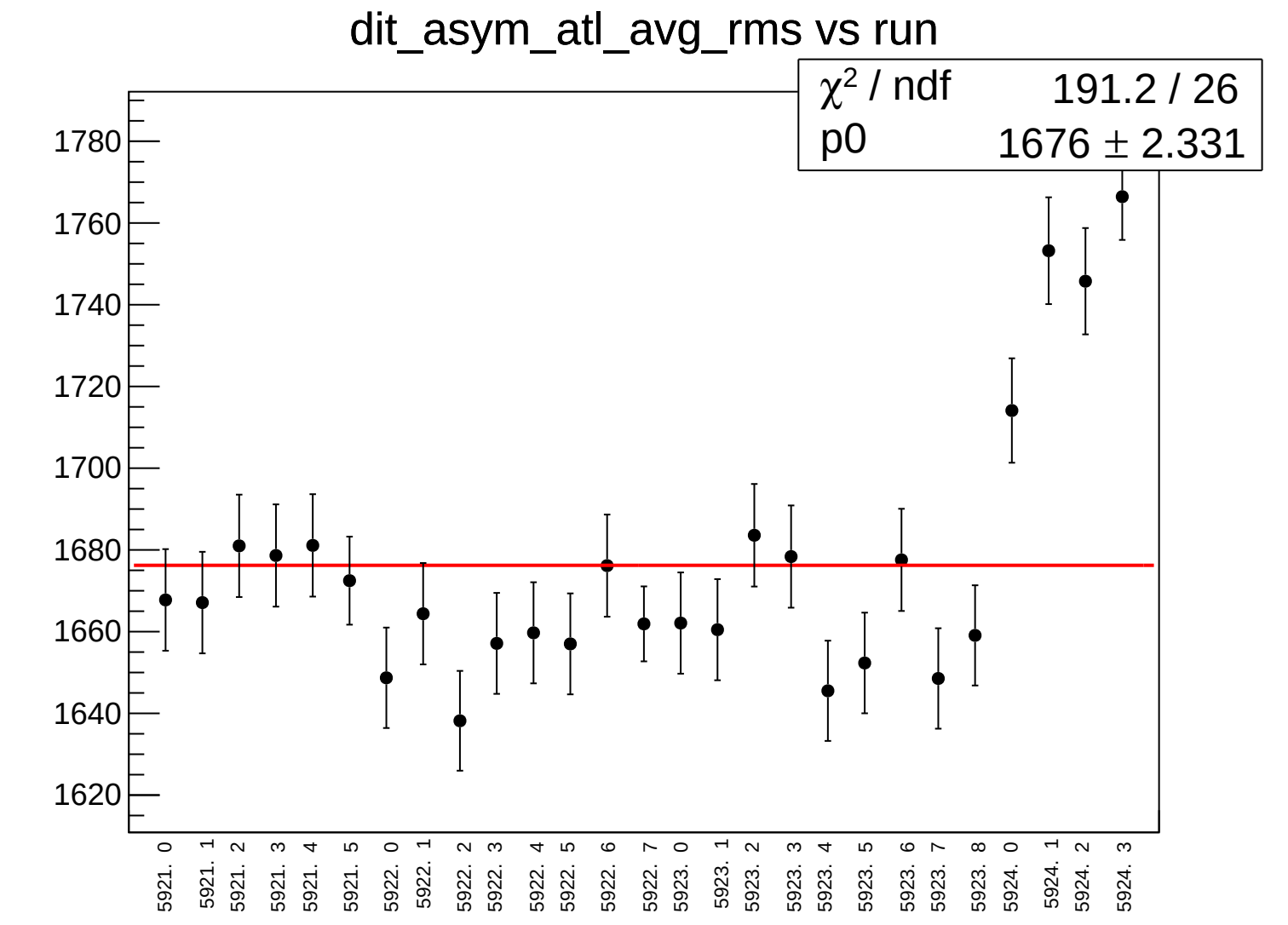

asym_atl_avg_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 27.67 / 26
p0 4802 ± 6312
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 331.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

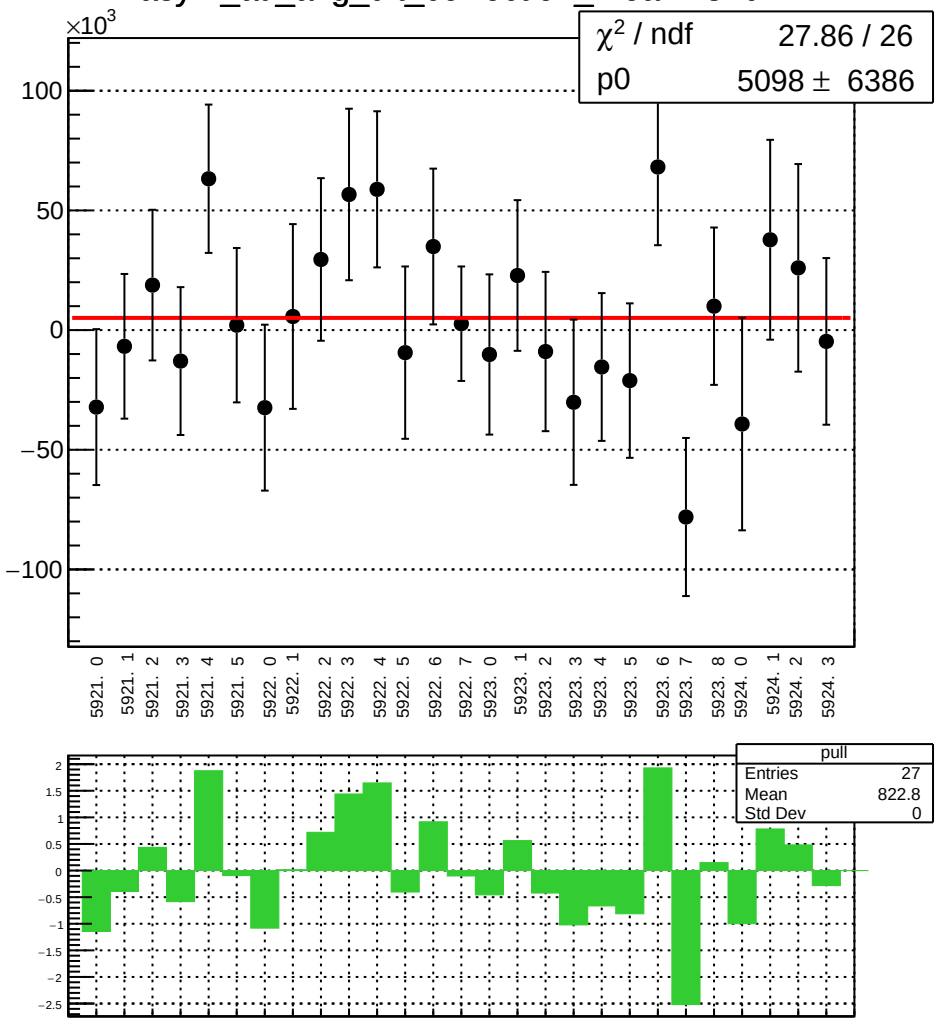

pull1D
Entries 27
Mean −0.0023
Std Dev 1.012
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

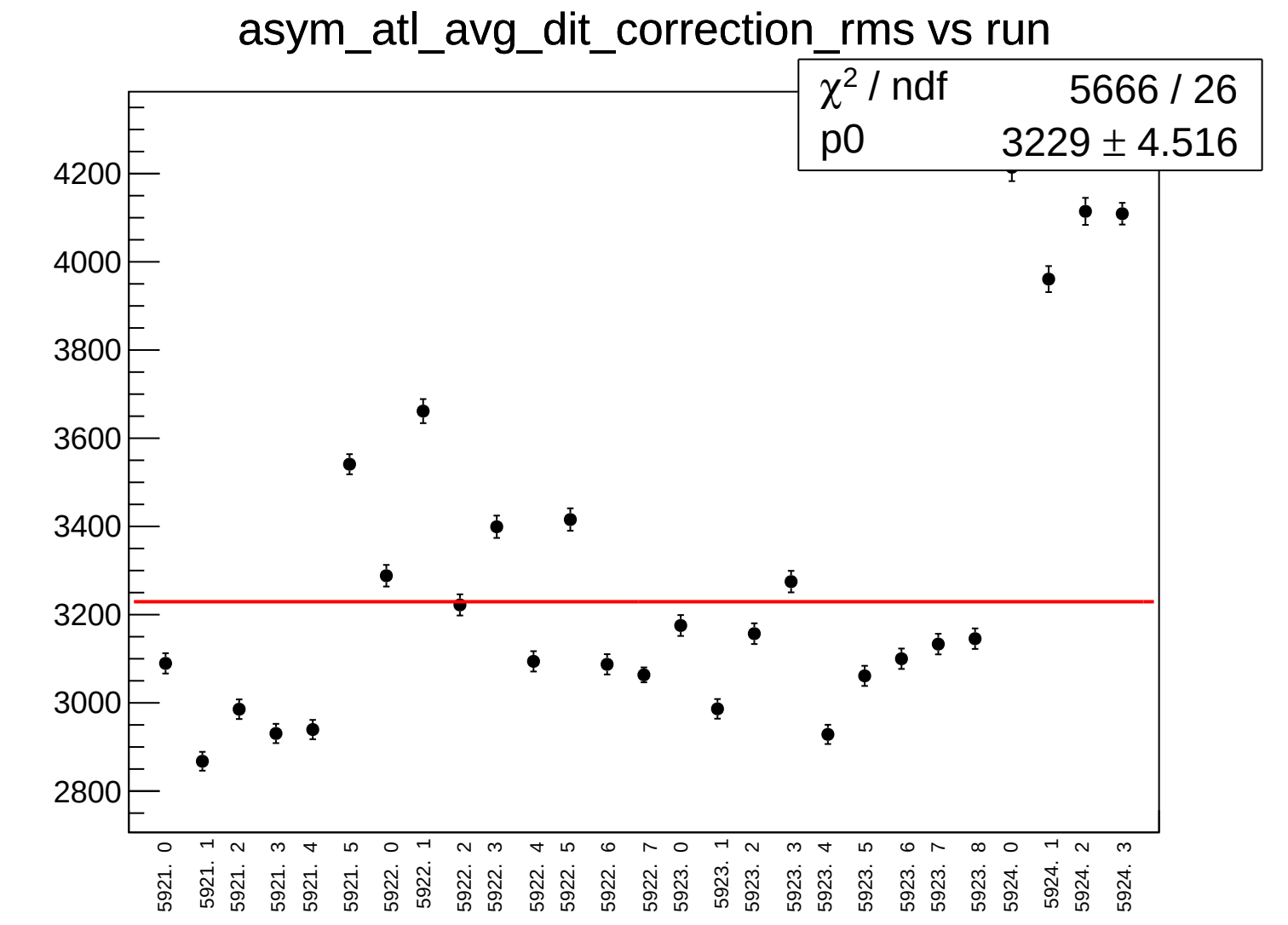

asym_atl_avg_eigen_cor_correction_rms vs run
χ² / ndf 3086 / 26
p0 3200 ± 4.463
4000
3800
3600
3400
3200
3000
2800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

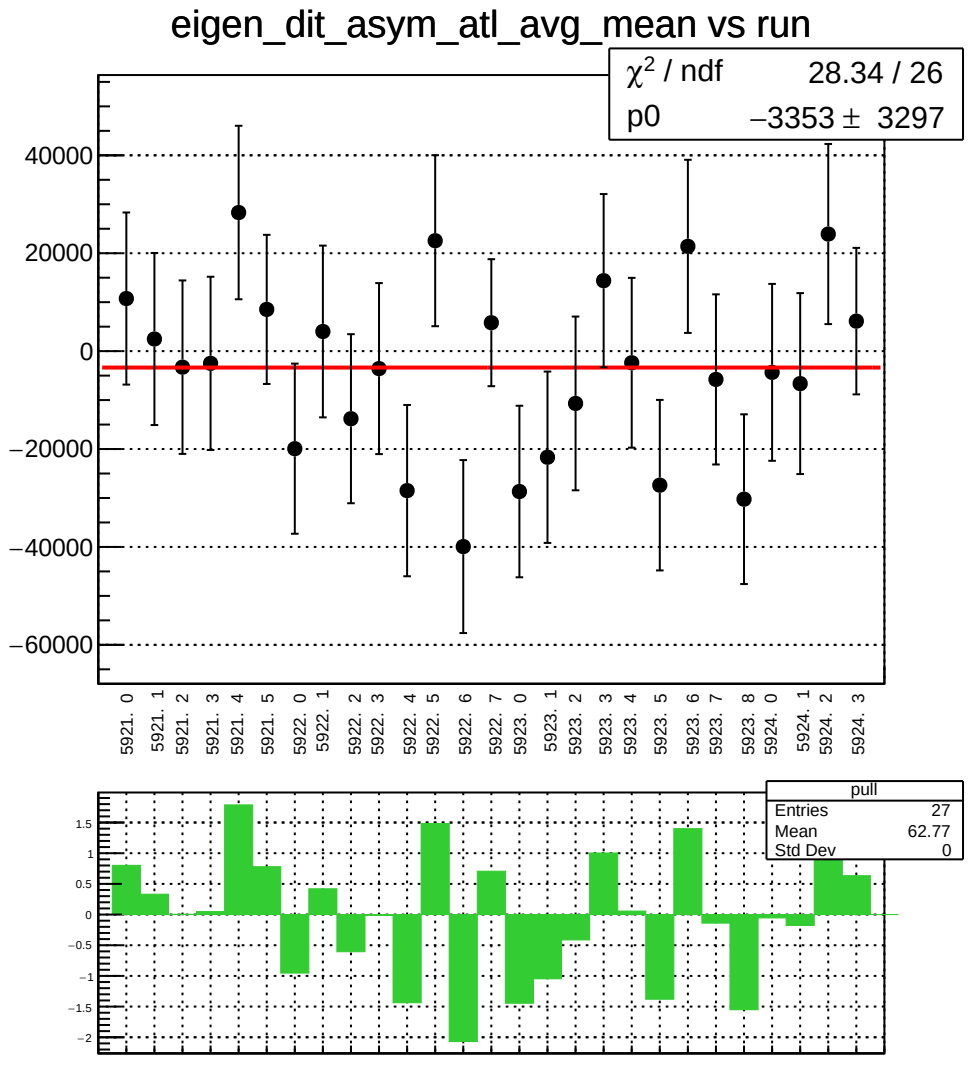

dit_asym_atl_avg_mean vs run
χ² / ndf 28.34 / 26
p0 −3353 ± 3297
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 62.77
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

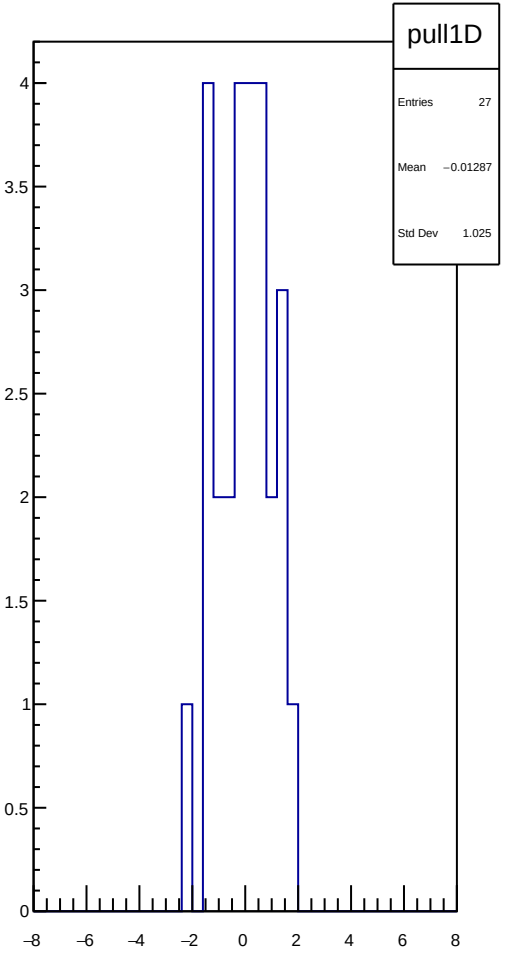

pull1D
Entries 27
Mean −0.01287
Std Dev 1.025
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

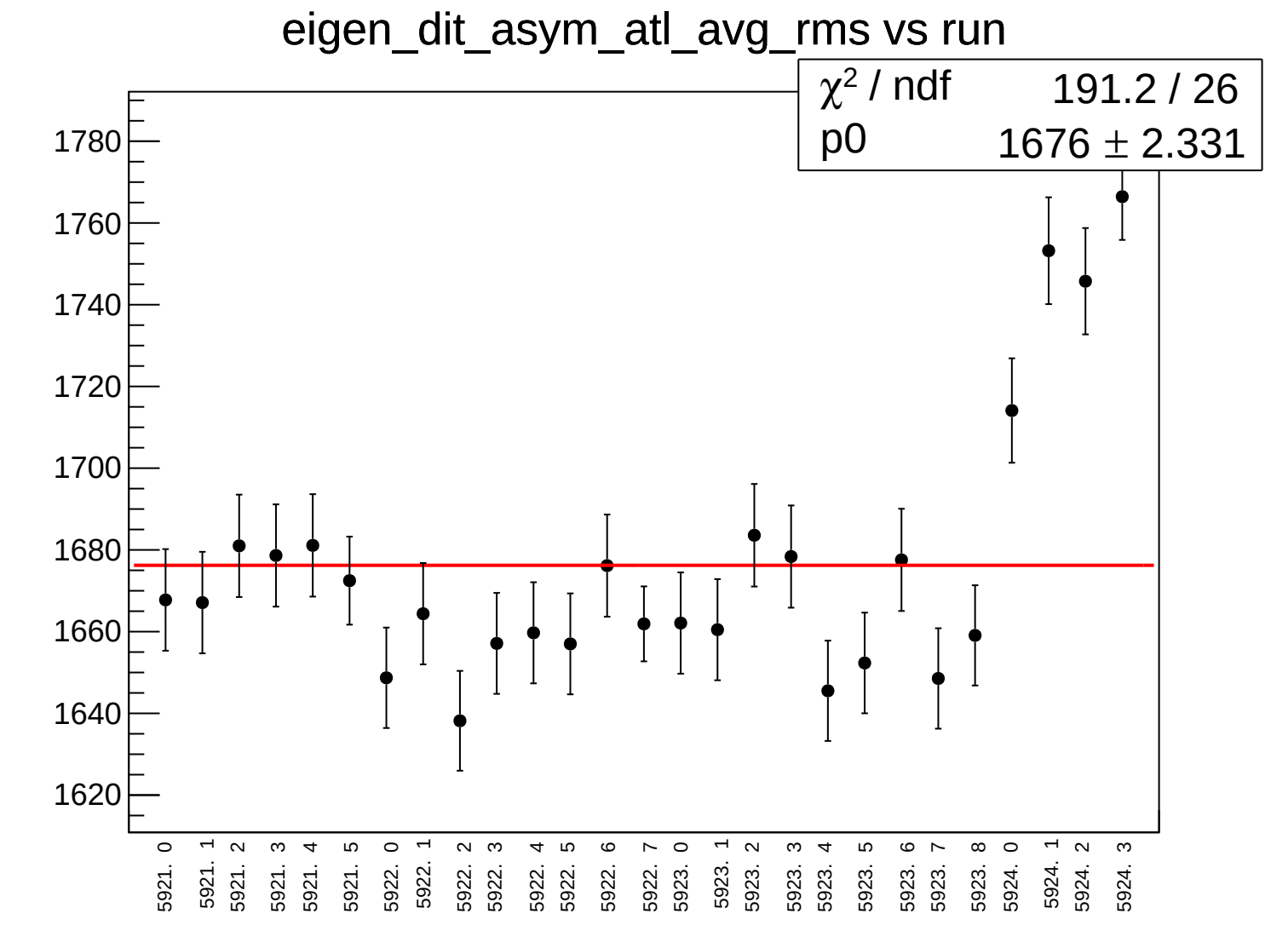

dit_asym_atl_avg_rms vs run
χ² / ndf 191.2 / 26
p0 1676 ± 2.331
1780
1760
1740
1720
1700
1680
1660
1640
1620
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

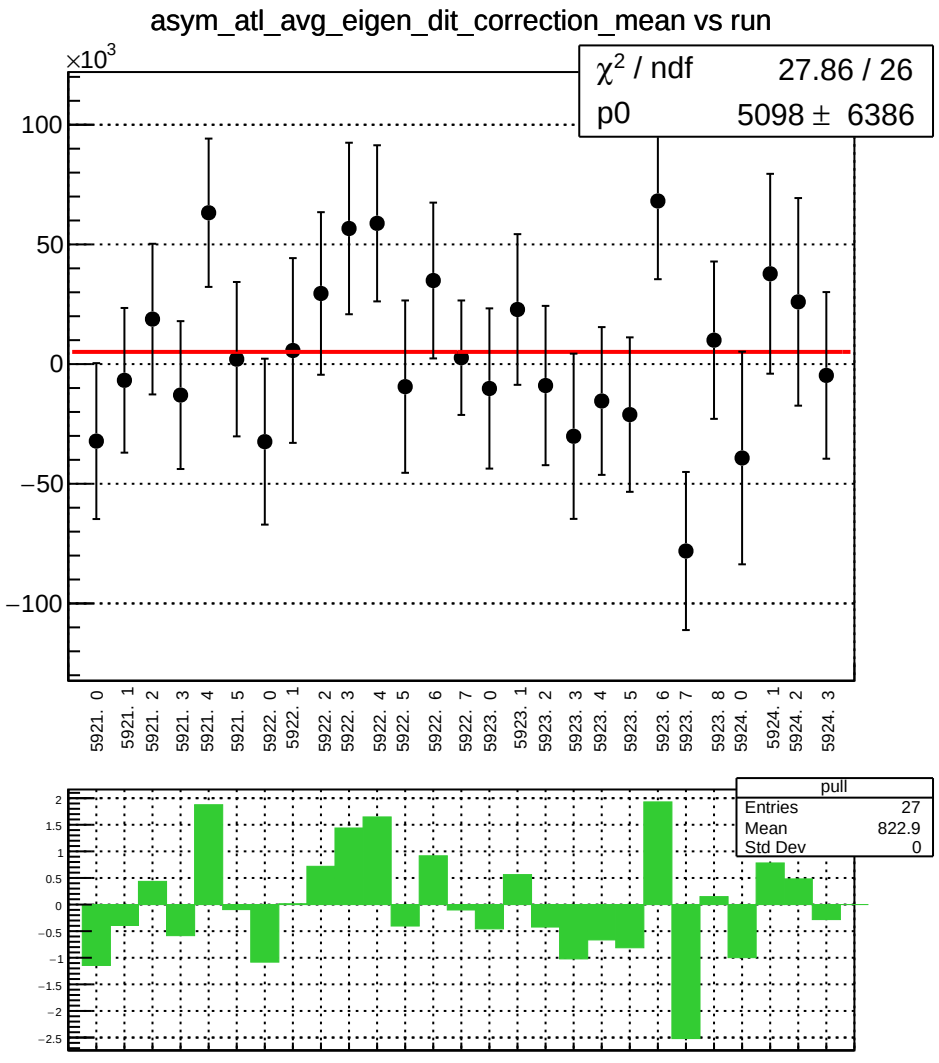

asym_atl_avg_dit_correction_mean vs run
×10^3
χ² / ndf 27.86 / 26
p0 5098 ± 6386
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 822.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean −0.0009084
Std Dev 1.016
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

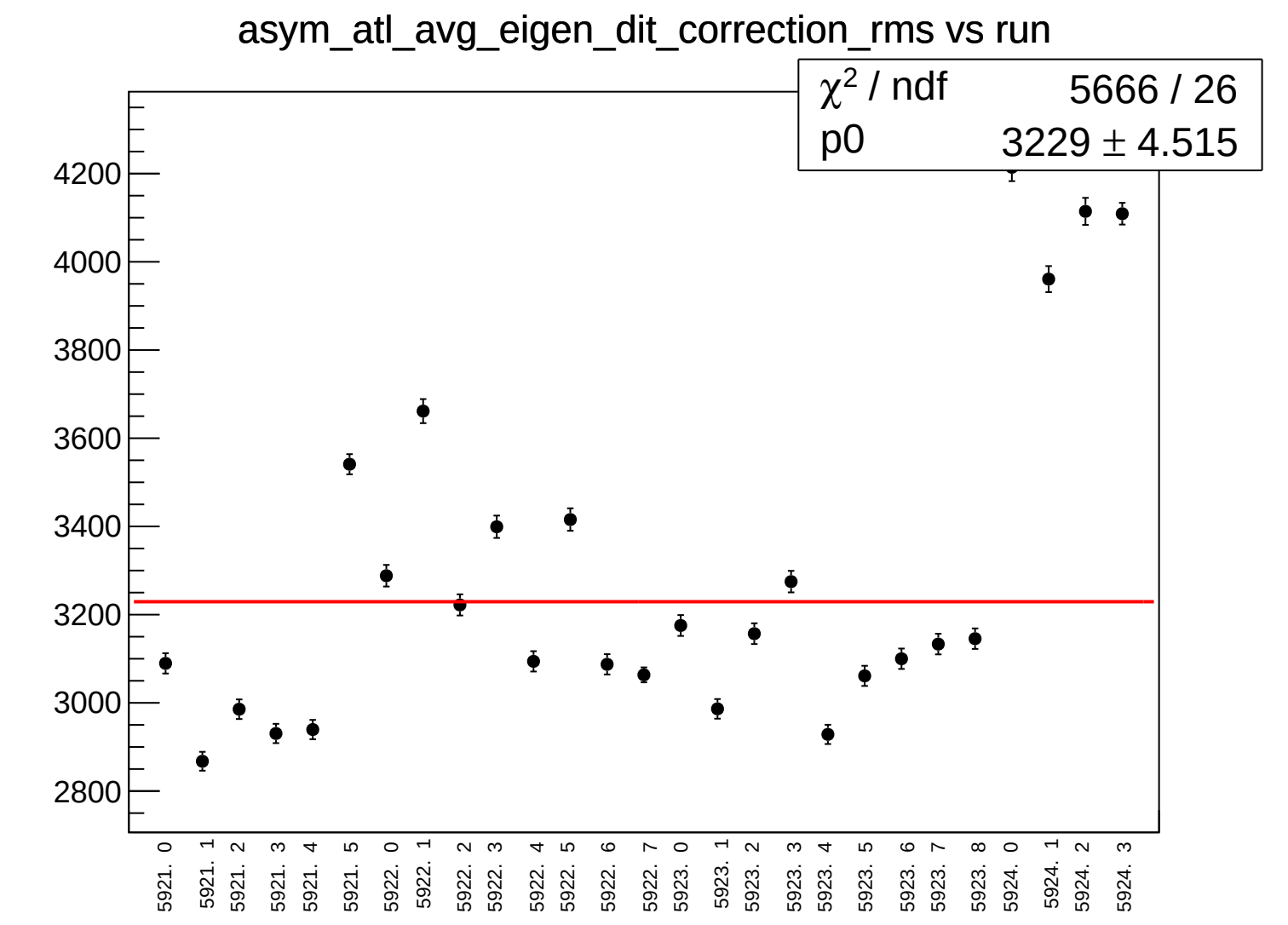

asym_atl_avg_dit_correction_rms vs run
χ² / ndf 5666 / 26
p0 3229 ± 4.516
4200
4000
3800
3600
3400
3200
3000
2800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

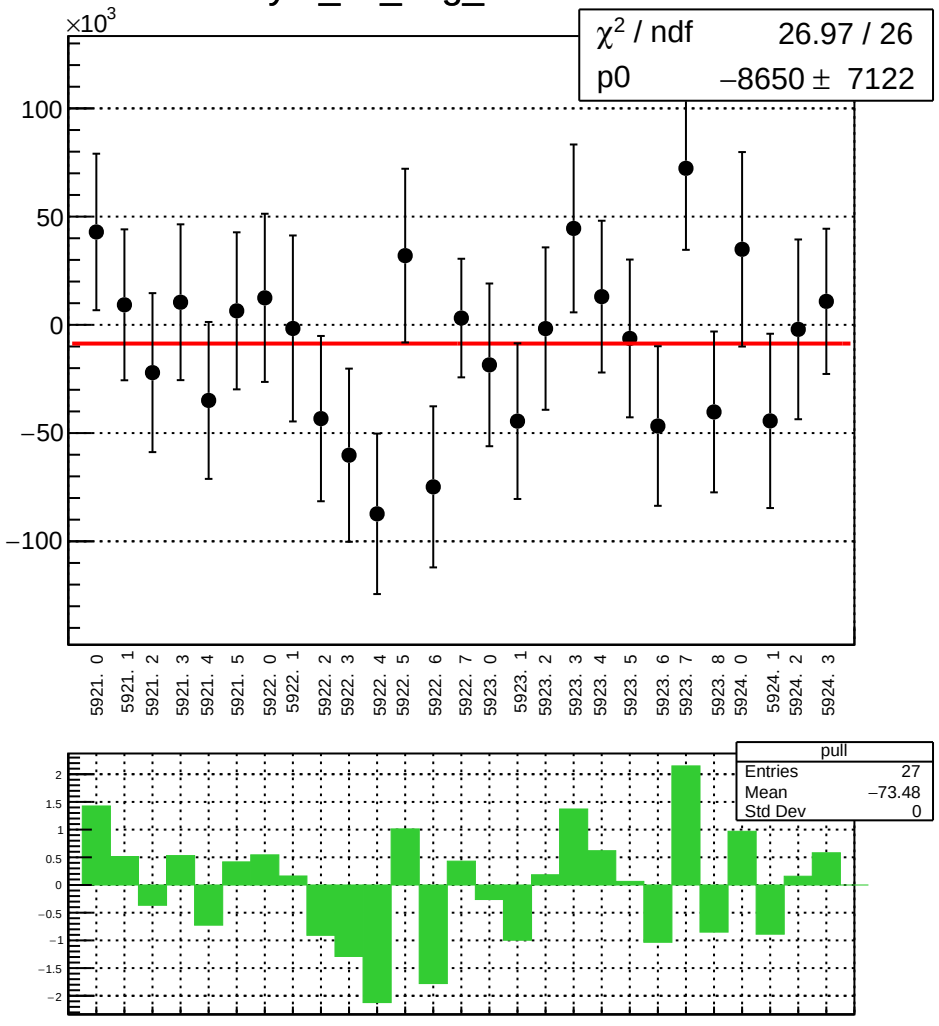

eigen_dit_asym_atl_avg_mean vs run
χ² / ndf 28.34 / 26
p0 −3353 ± 3297
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 62.77
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

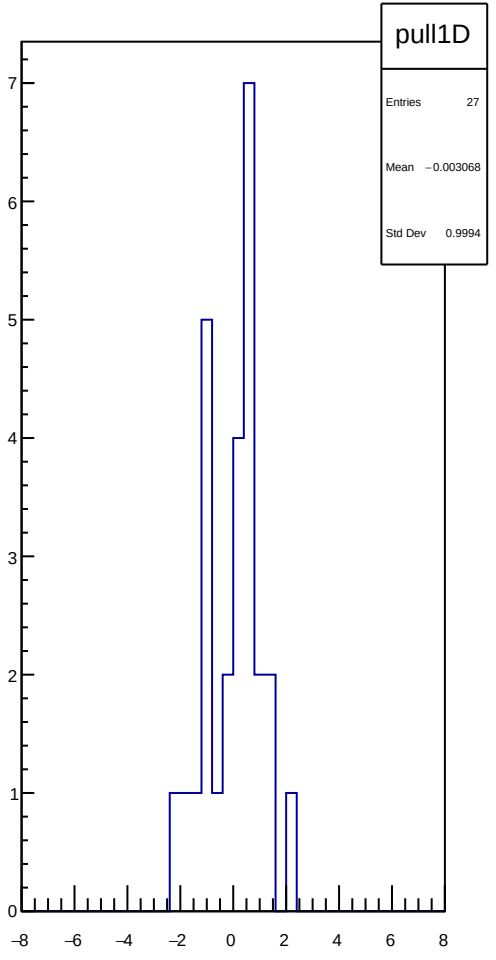

pull1D
Entries 27
Mean −0.01287
Std Dev 1.025
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

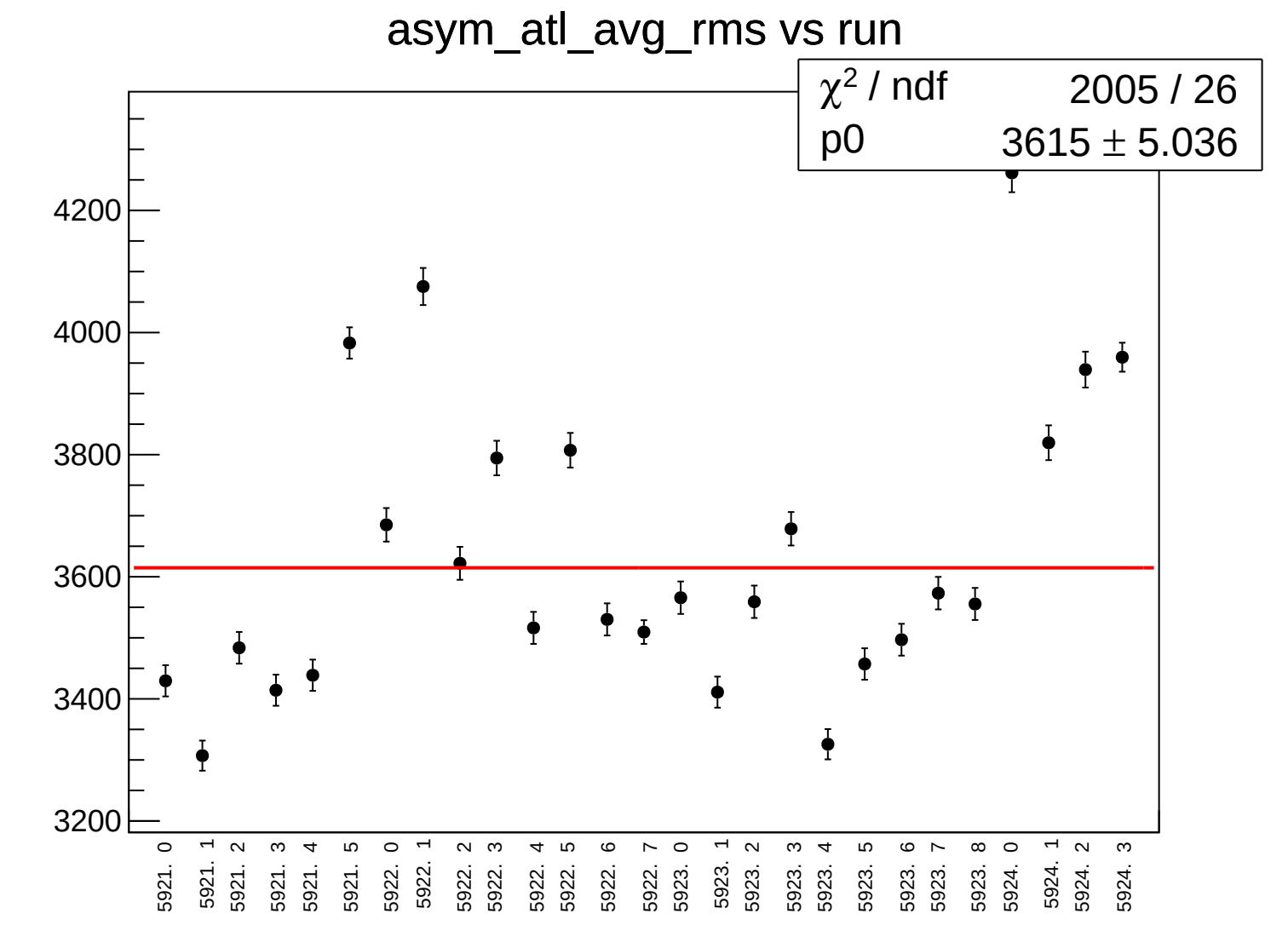

eigen_dit_asym_atl_avg_rms vs run
χ² / ndf 191.2 / 26
p0 1676 ± 2.331
1780
1760
1740
1720
1700
1680
1660
1640
1620
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

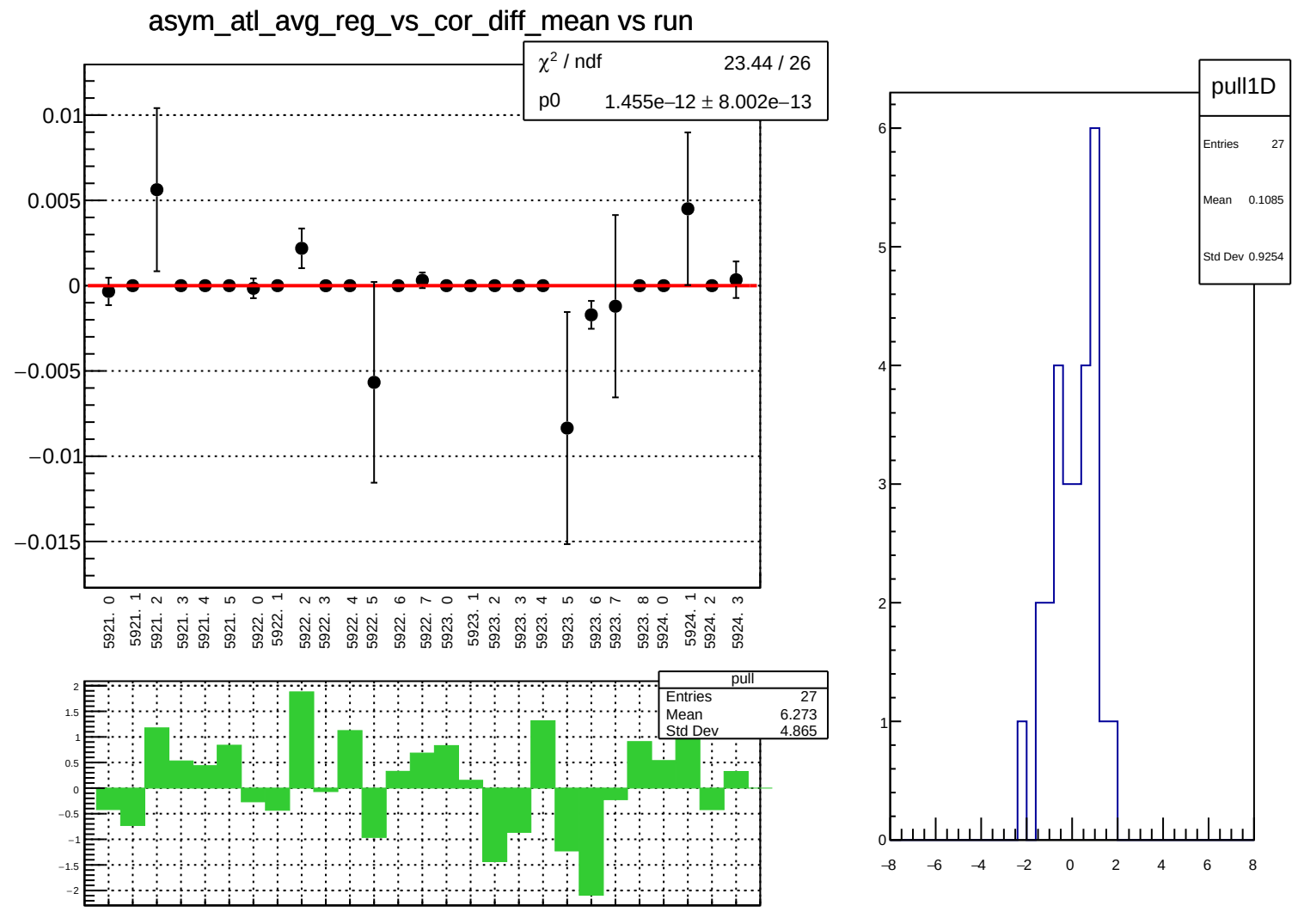

asym_atl_avg_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 27.86 / 26
p0 5098 ± 6386
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 822.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean −0.0009083
Std Dev 1.016
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

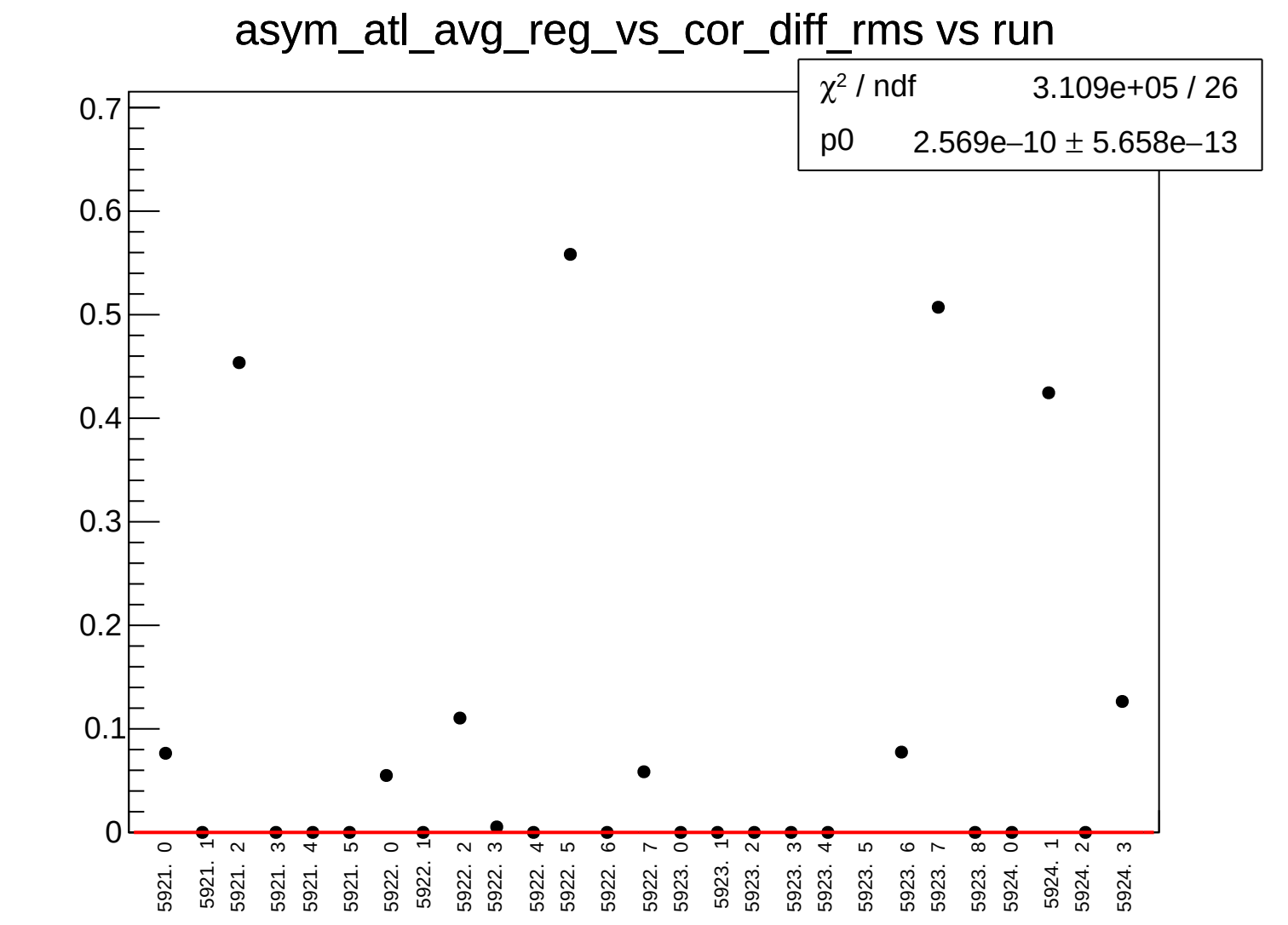

asym_atl_avg_eigen_dit_correction_rms vs run
χ² / ndf 5666 / 26
p0 3229 ± 4.515
4200
4000
3800
3600
3400
3200
3000
2800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

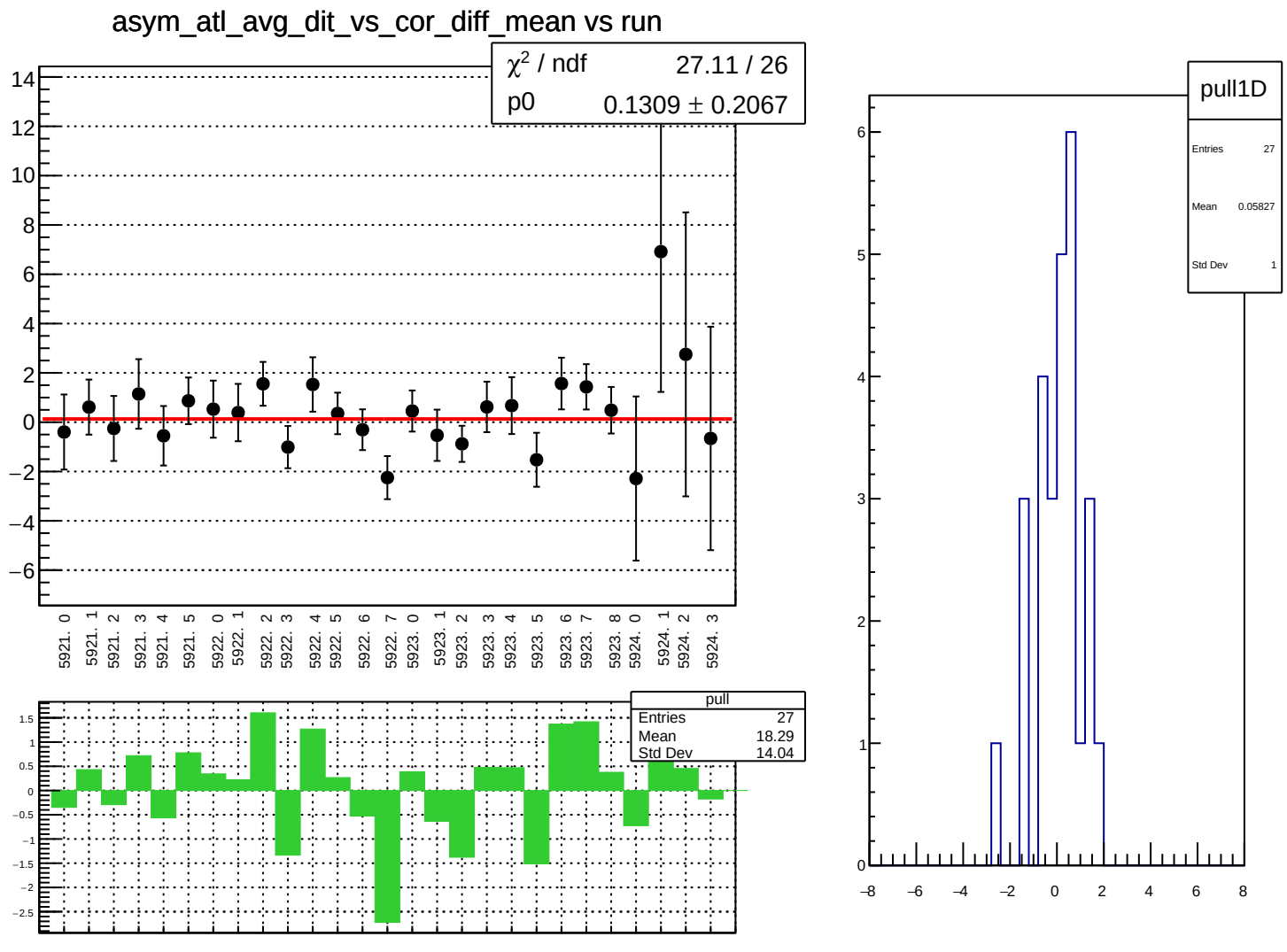

asym_atl_avg_mean vs run
×10^3
χ² / ndf 26.97 / 26
p0 −8650 ± 7122
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −73.48
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

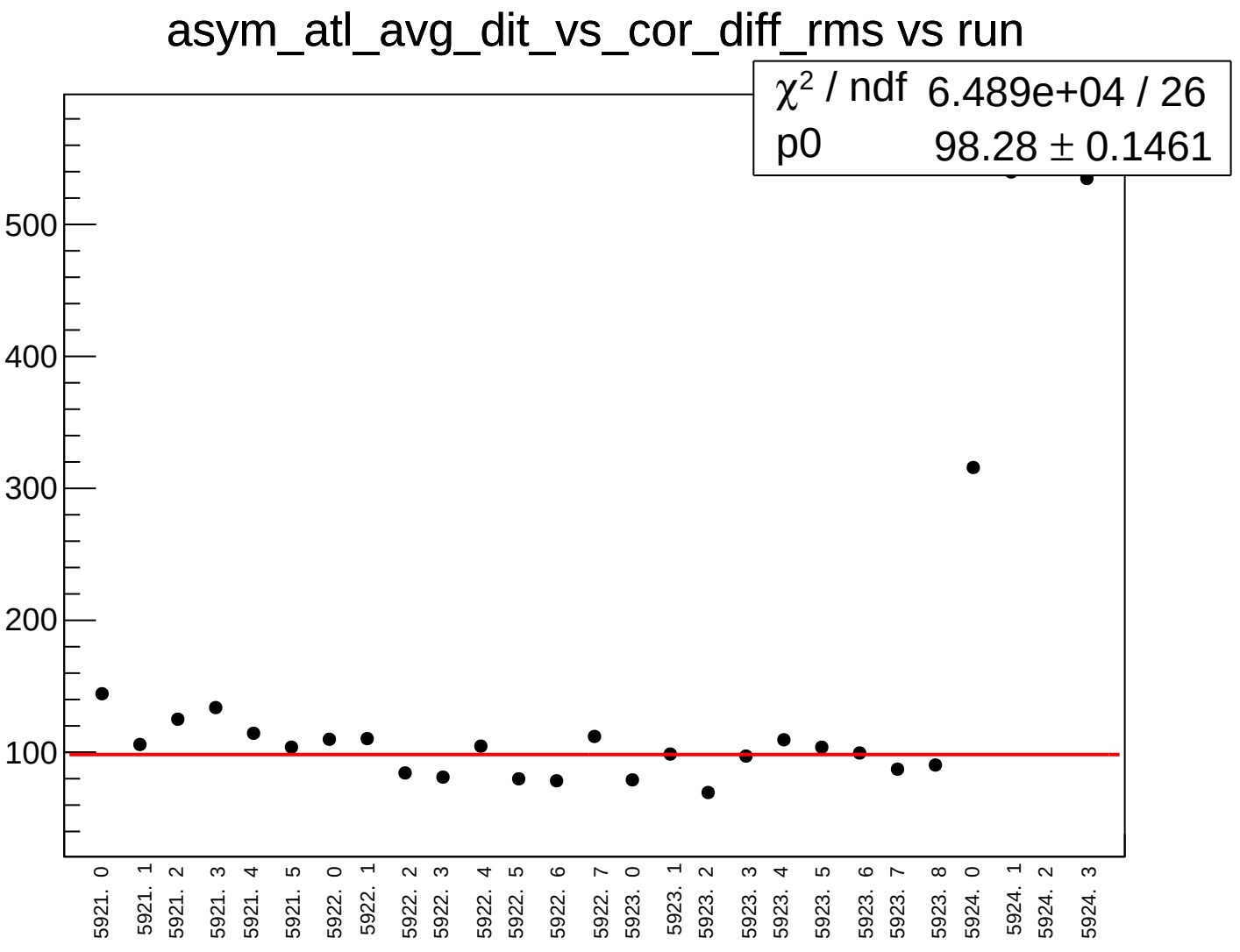

pull1D
Entries 27
Mean −0.003068
Std Dev 0.9994
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

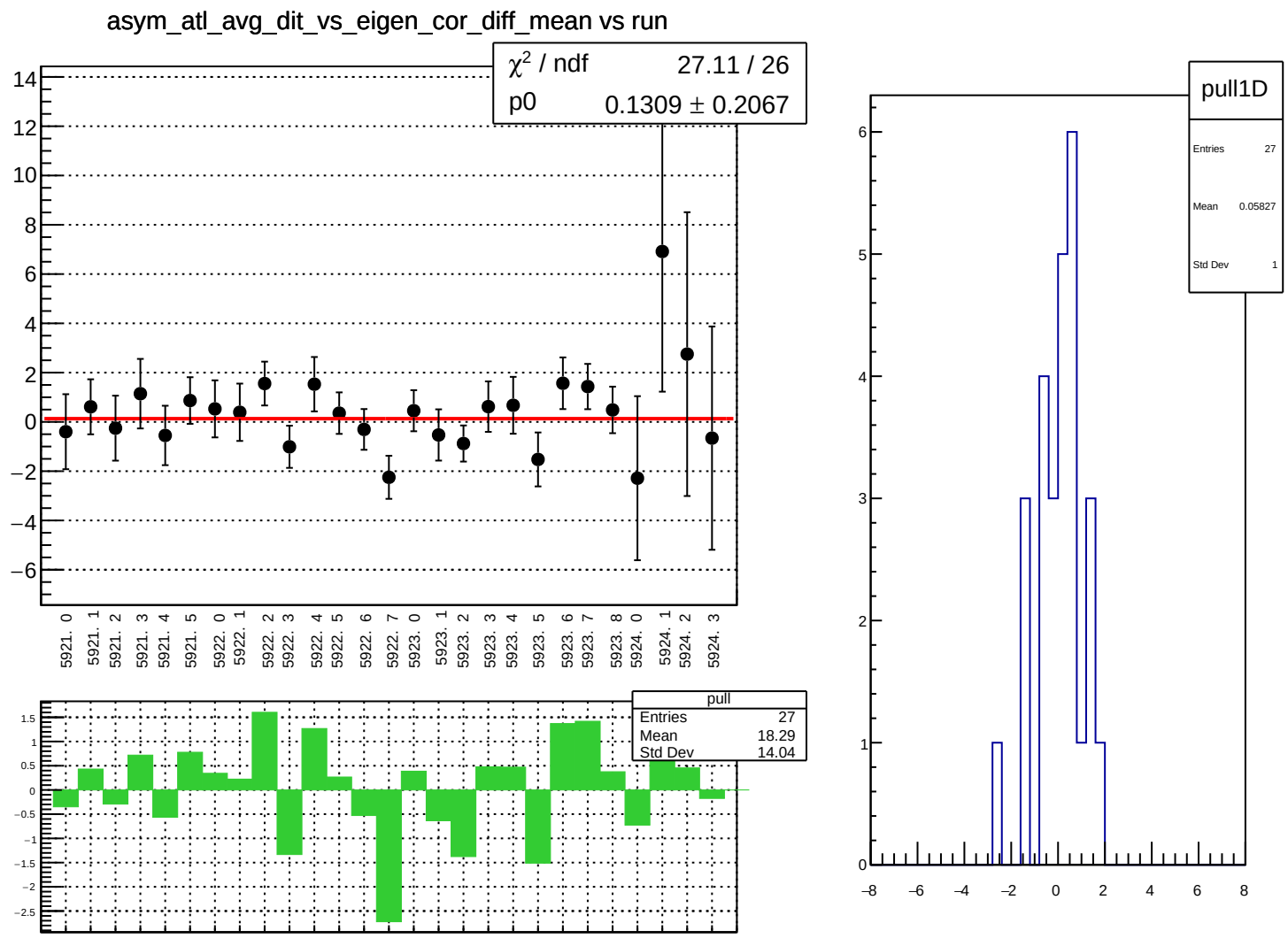

asym_atl_avg_rms vs run
χ² / ndf 2005 / 26
p0 3615 ± 5.036
4200
4000
3800
3600
3400
3200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

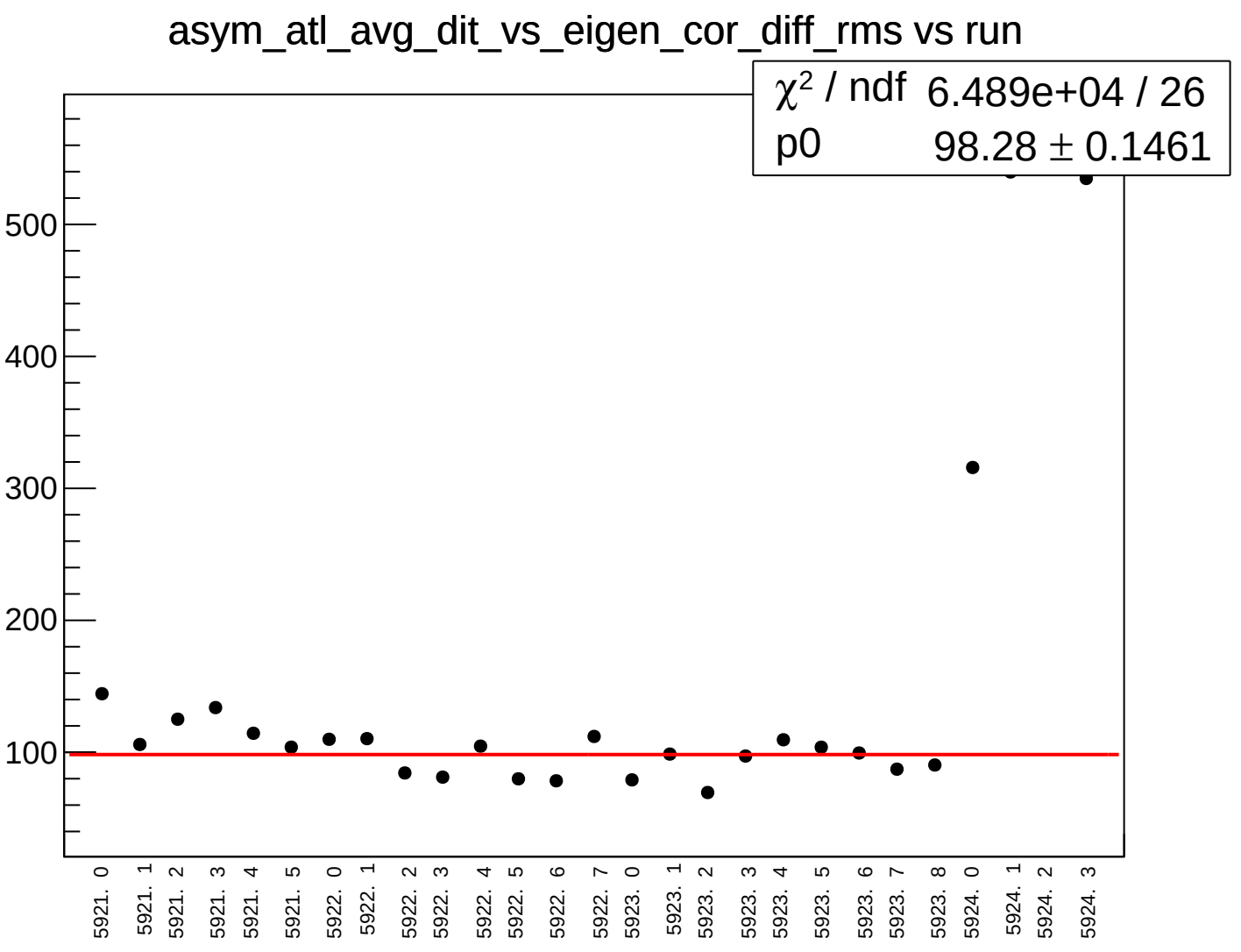

asym_atl_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 23.44 / 26
p0 1.455e−12 ± 8.002e−13
0.01
0.005
0
−0.005
−0.01
−0.015
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 6.273
Std Dev 4.865
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean 0.1085
Std Dev 0.9254
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

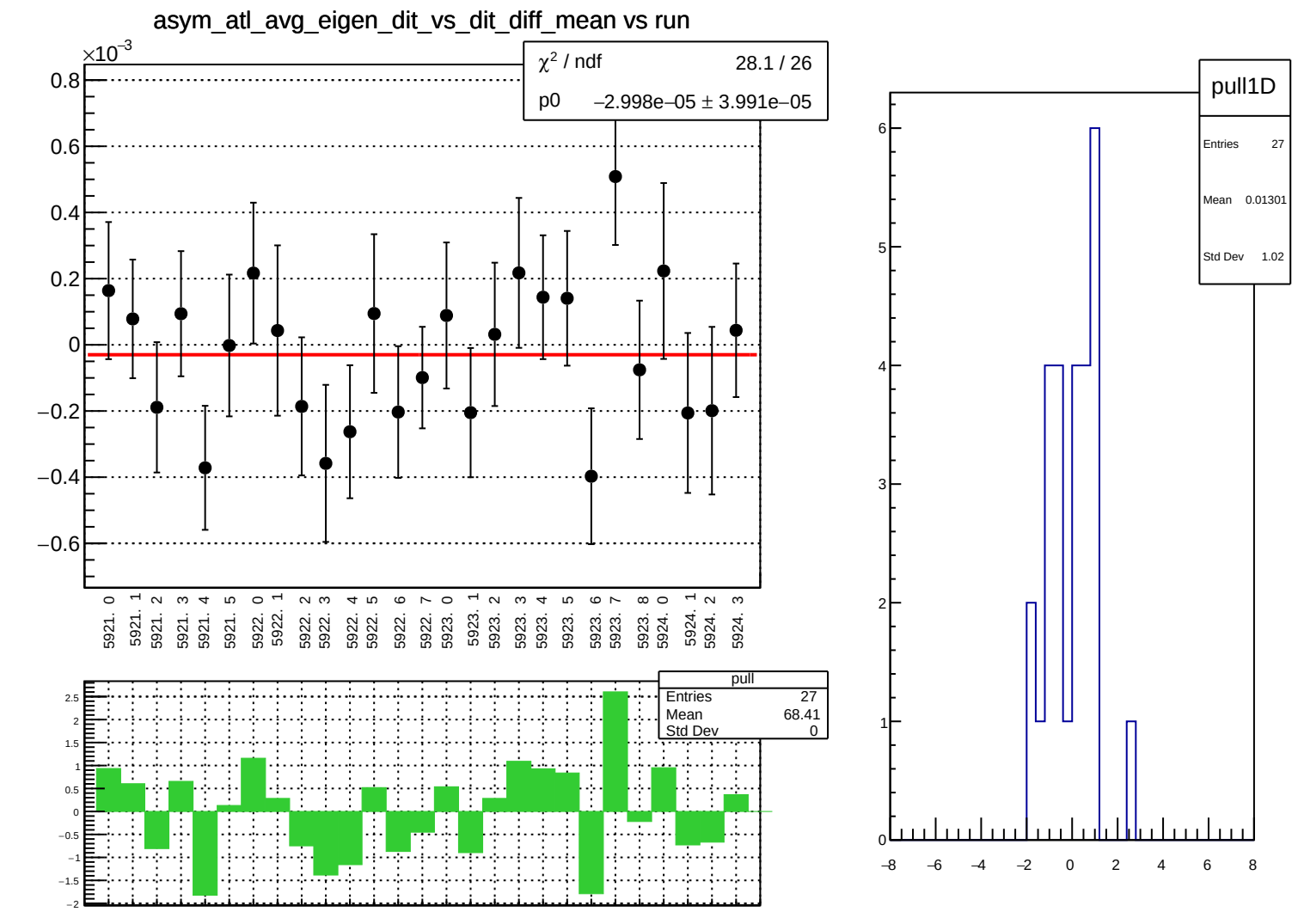

asym_atl_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.109e+05 / 26
p0 2.569e−10 ± 5.658e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

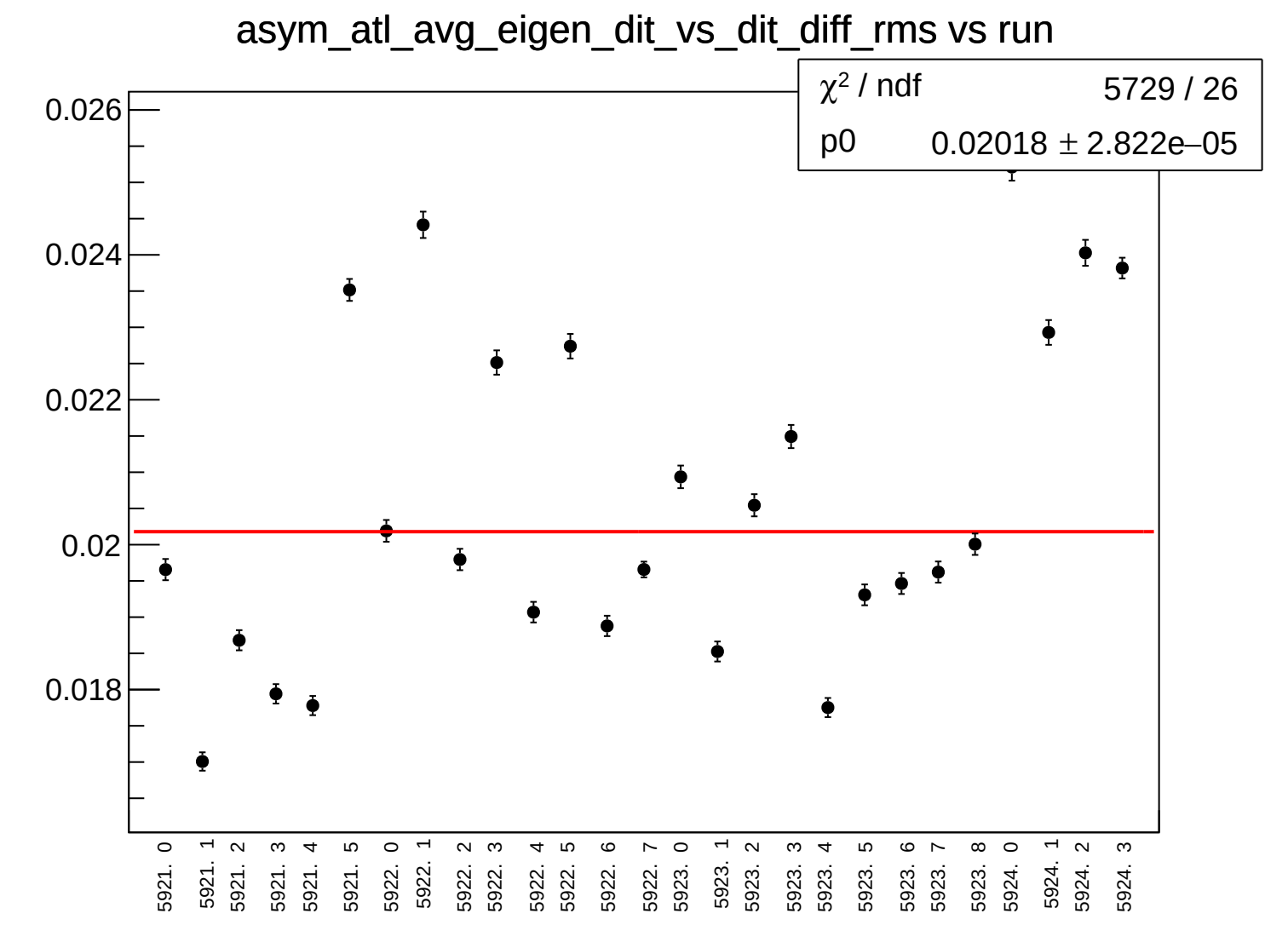

asym_atl_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 27.11 / 26
p0 0.1309 ± 0.2067
pull
Entries 27
Mean 18.29
Std Dev 14.04
pull1D
Entries 27
Mean 0.05827
Std Dev 1

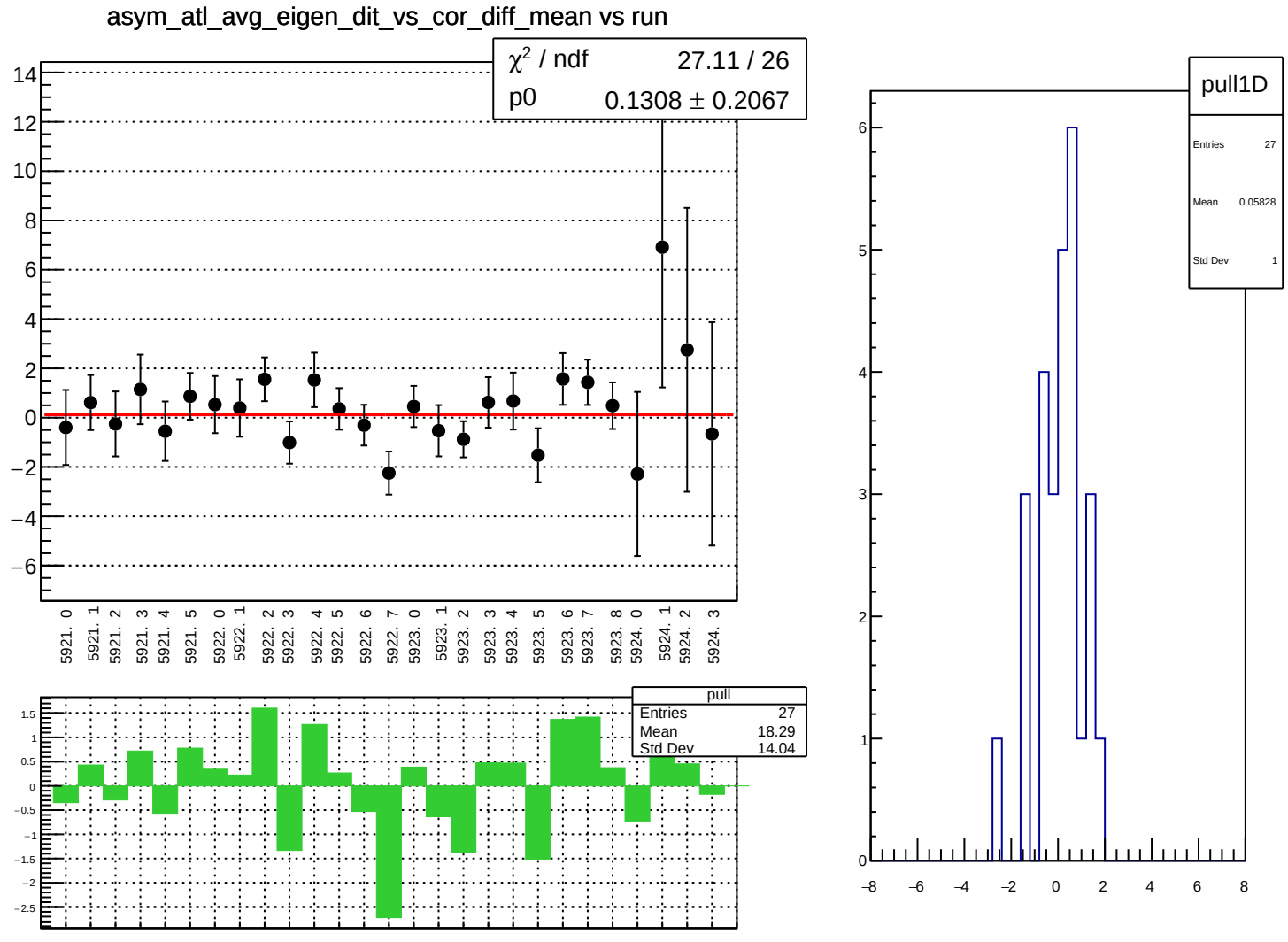

asym_atl_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 6.489e+04 / 26
p0 98.28 ± 0.1461
500
400
300
200
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

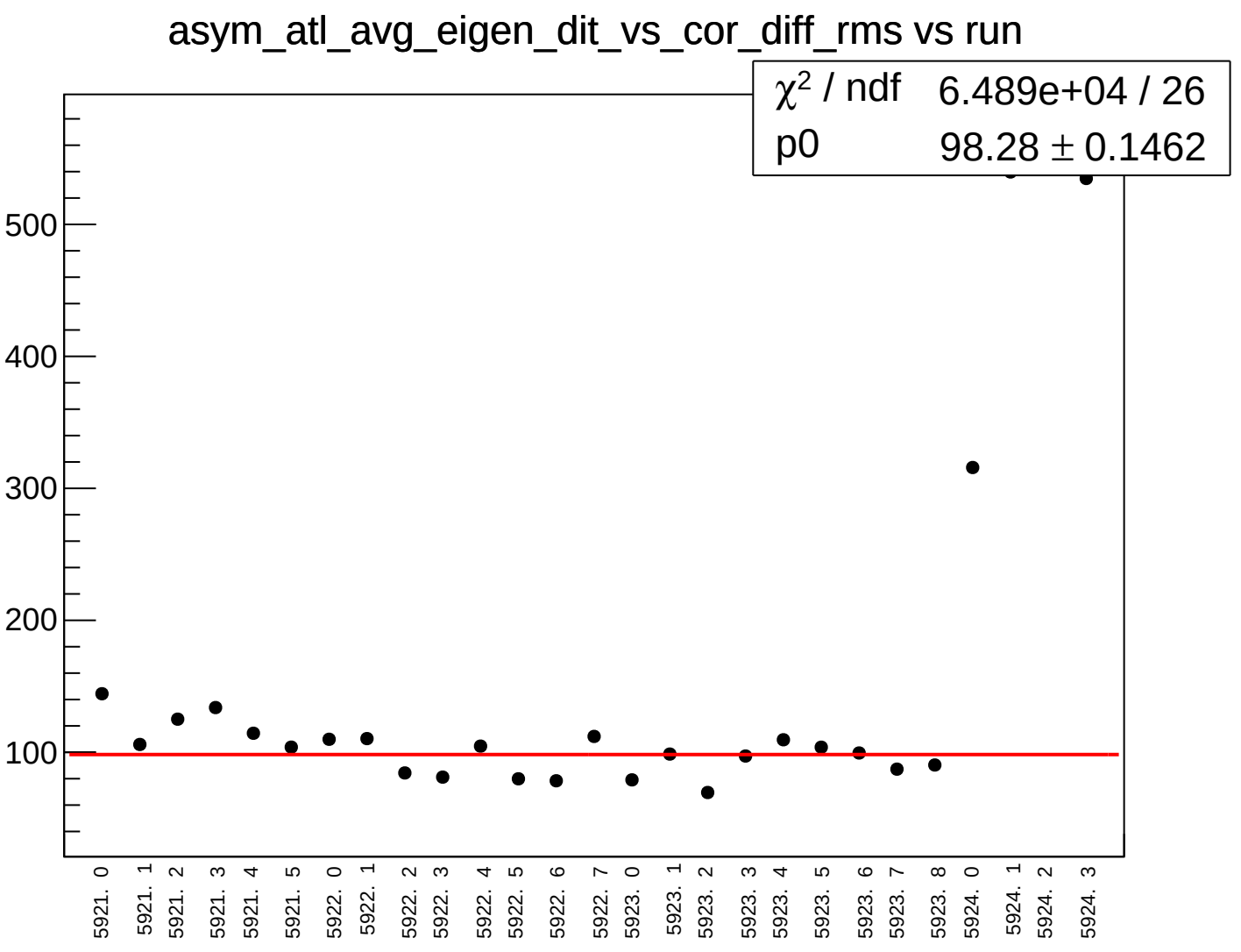

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 27.11 / 26
p0 0.1309 ± 0.2067
14
12
10
8
6
4
2
0
−2
−4
−6
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 18.29
Std Dev 14.04
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean 0.05827
Std Dev 1
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

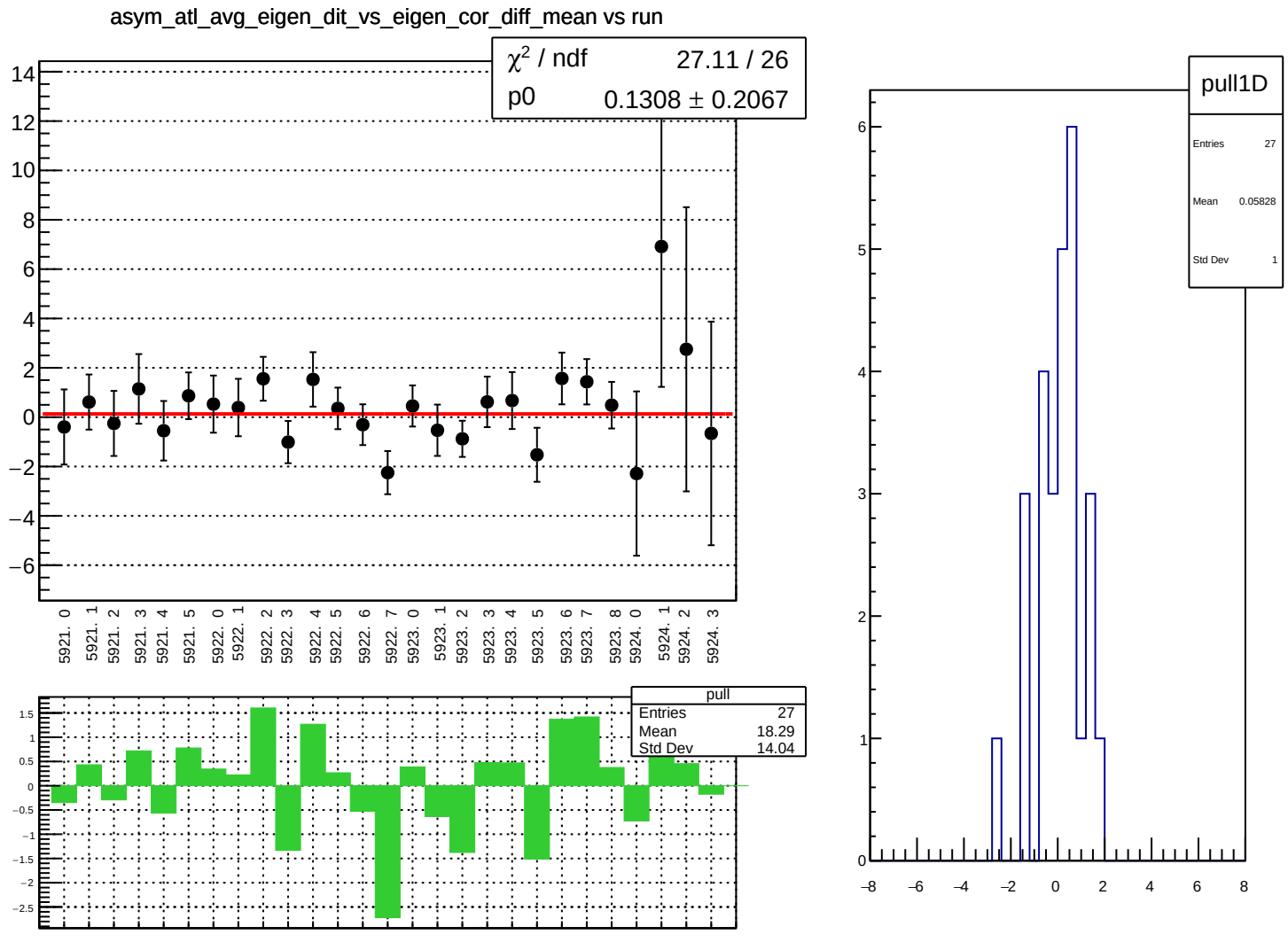

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.489e+04 / 26
p0 98.28 ± 0.1461
500
400
300
200
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

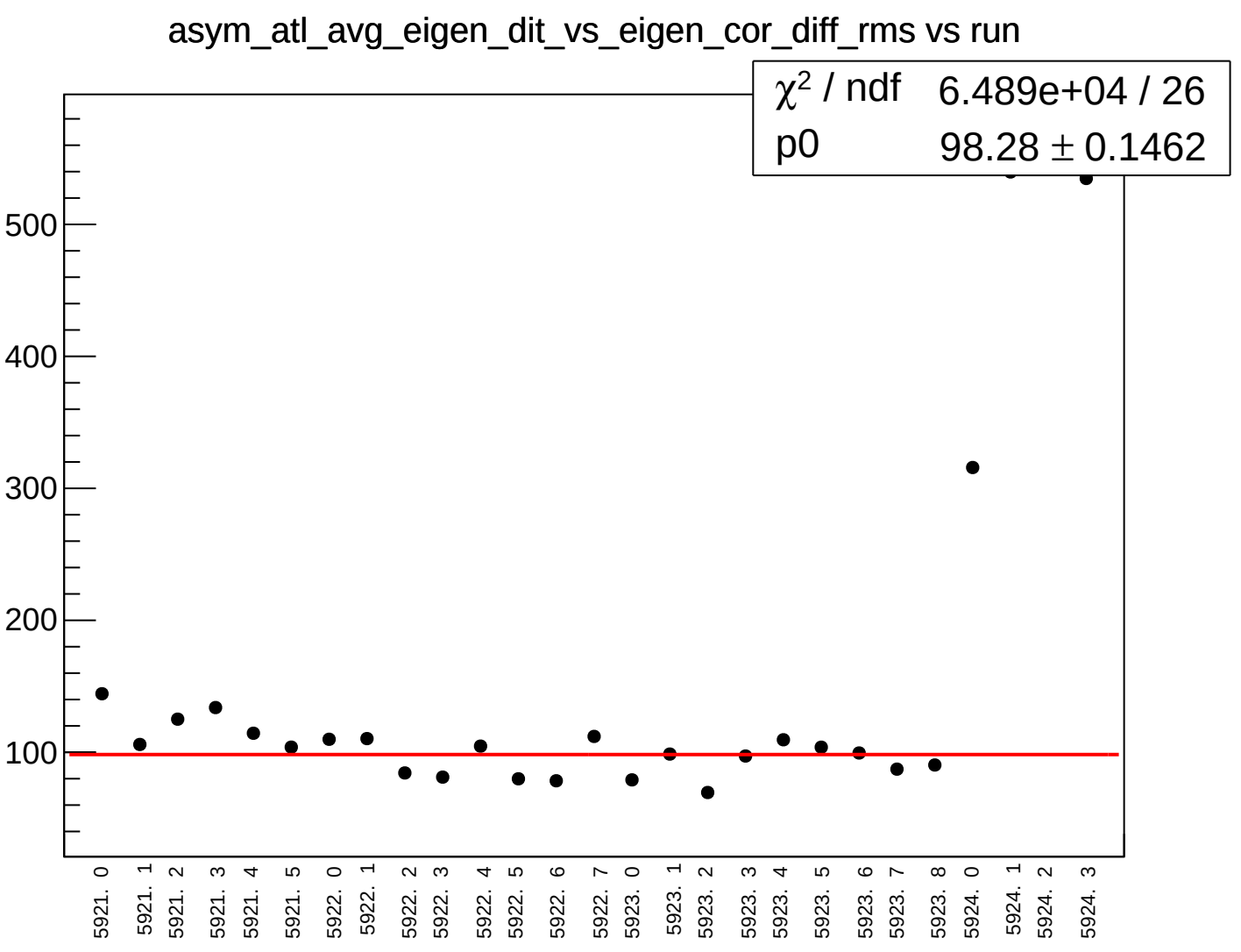

asym_atl_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 28.1 / 26
p0 −2.998e−05 ± 3.991e−05
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 68.41
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean 0.01301
Std Dev 1.02
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

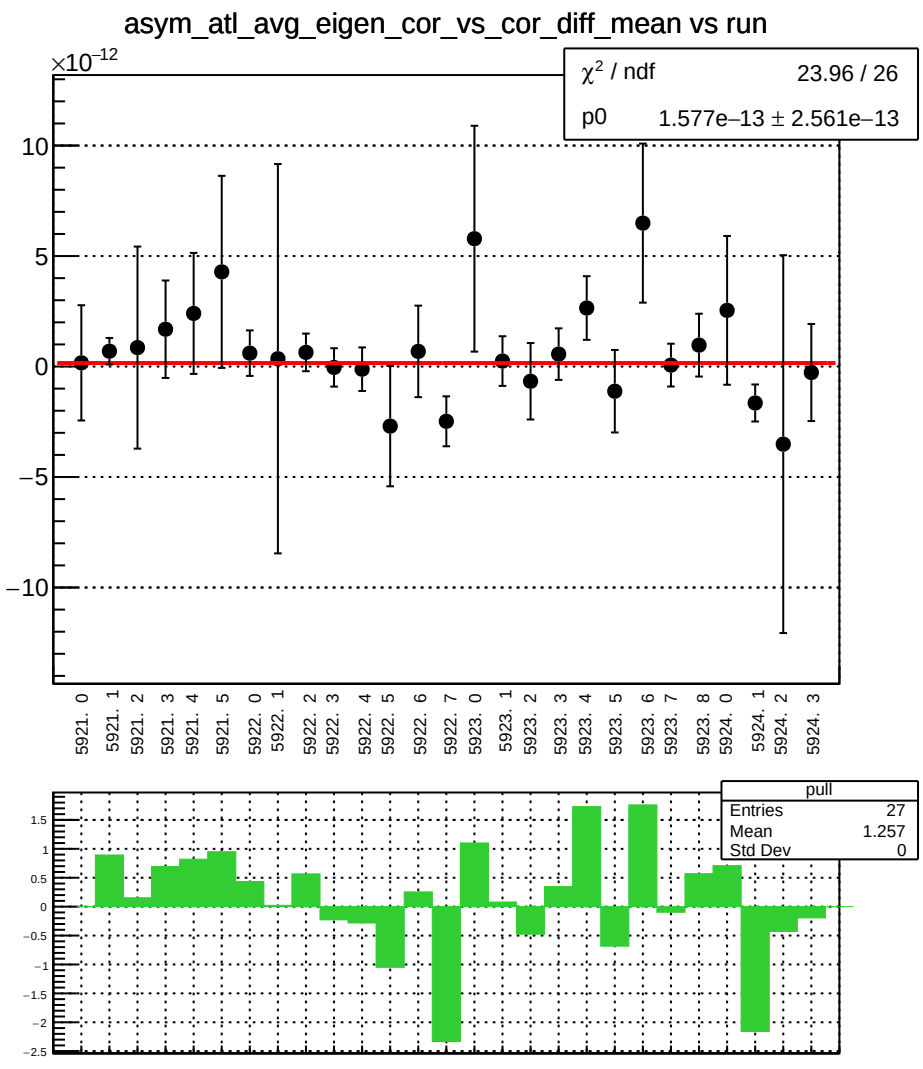

asym_atl_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5729 / 26
p0 0.02018 ± 2.822e−05
0.026
0.024
0.022
0.02
0.018
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

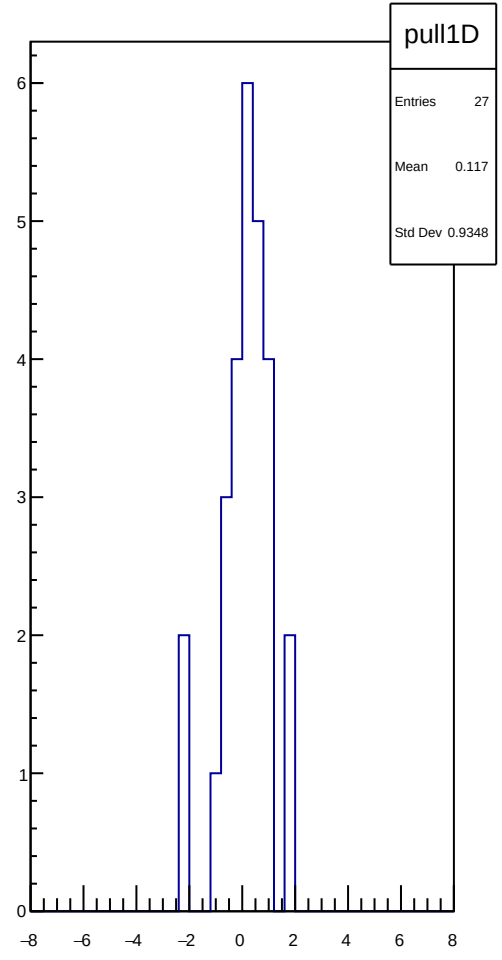

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 27.11 / 26
p0 0.1308 ± 0.2067
pull
Entries 27
Mean 18.29
Std Dev 14.04
pull1D
Entries 27
Mean 0.05828
Std Dev 1

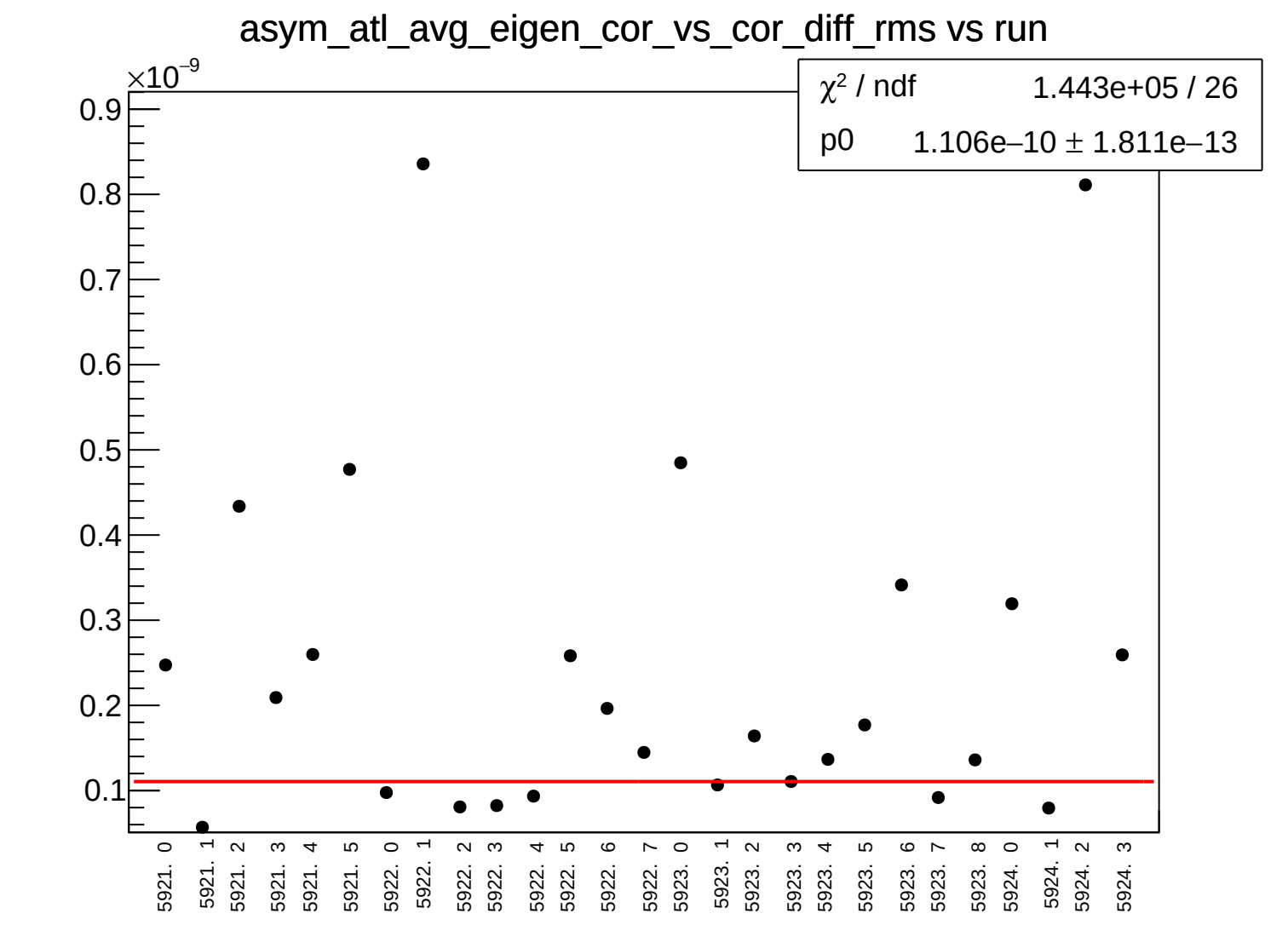

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.489e+04 / 26
p0 98.28 ± 0.1462
500
400
300
200
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

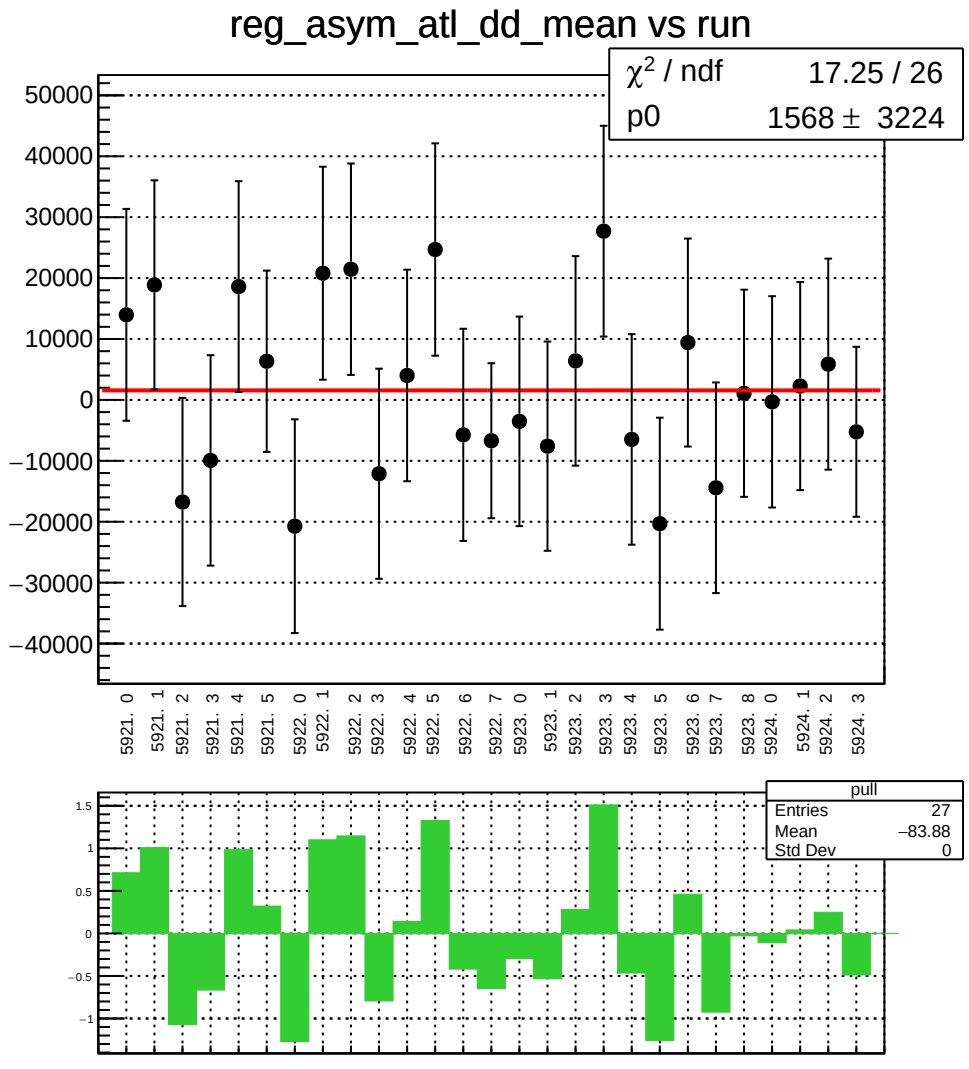

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 27.11 / 26
p0 0.1308 ± 0.2067
pull
Entries 27
Mean 18.29
Std Dev 14.04
pull1D
Entries 27
Mean 0.05828
Std Dev 1

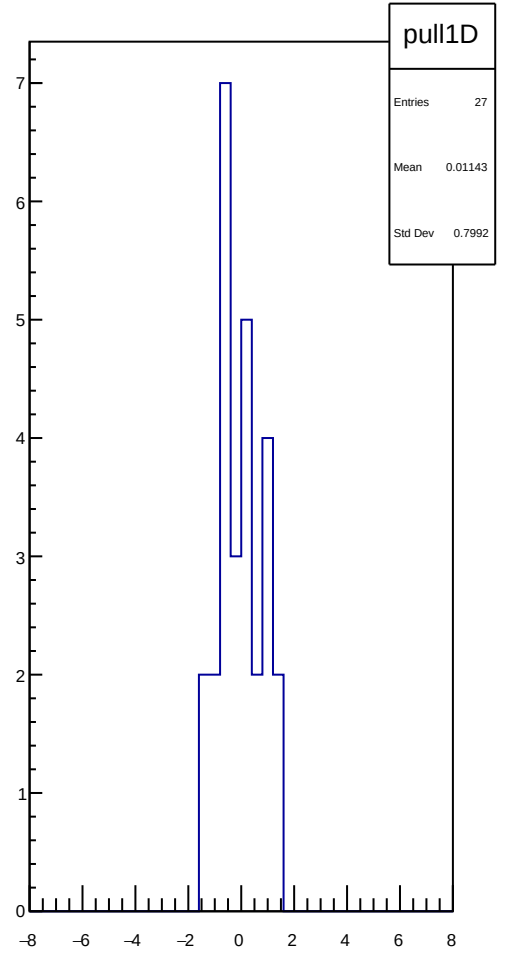

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.489e+04 / 26
p0 98.28 ± 0.1462
500
400
300
200
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

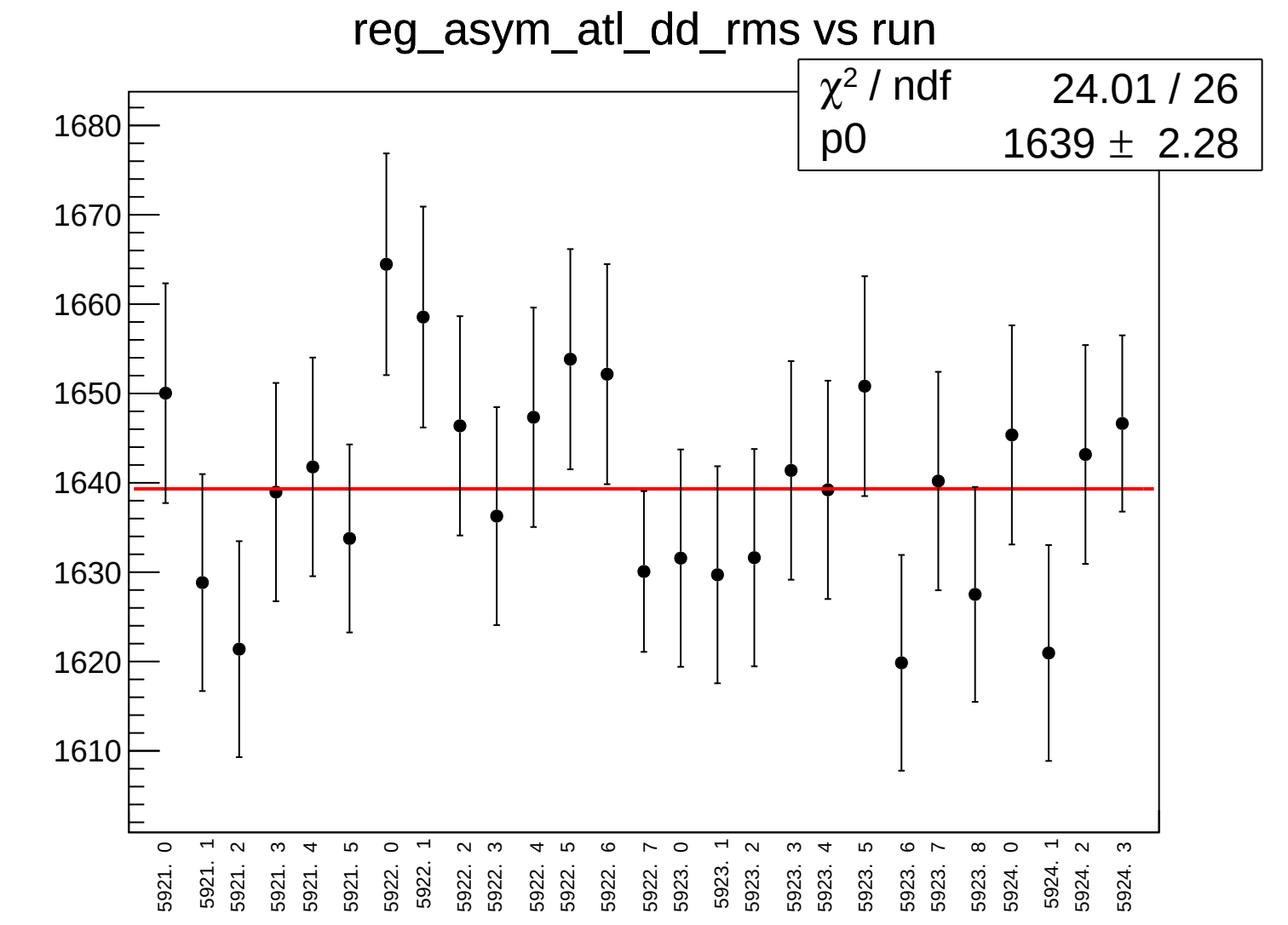

asym_atl_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 23.96 / 26
p0 1.577e−13 ± 2.561e−13
10
5
0
−5
−10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 1.257
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

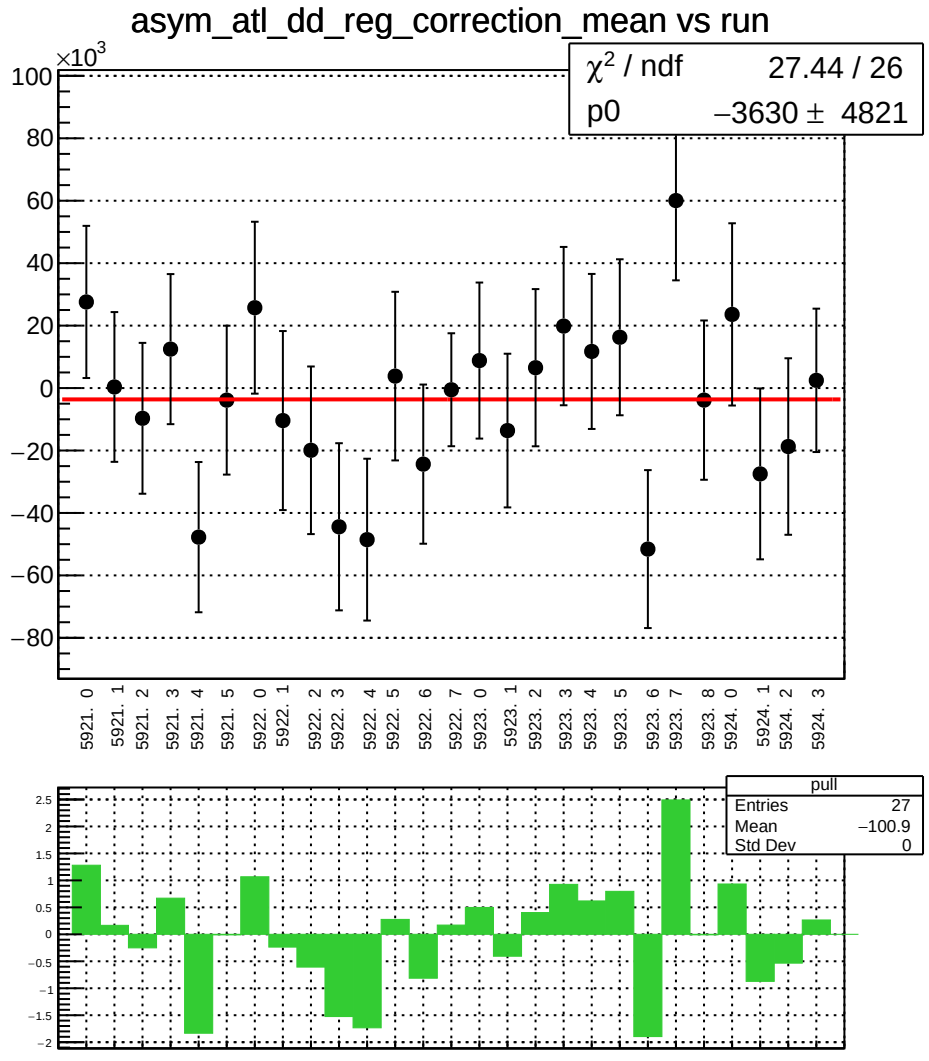

pull1D
Entries 27
Mean 0.117
Std Dev 0.9348
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

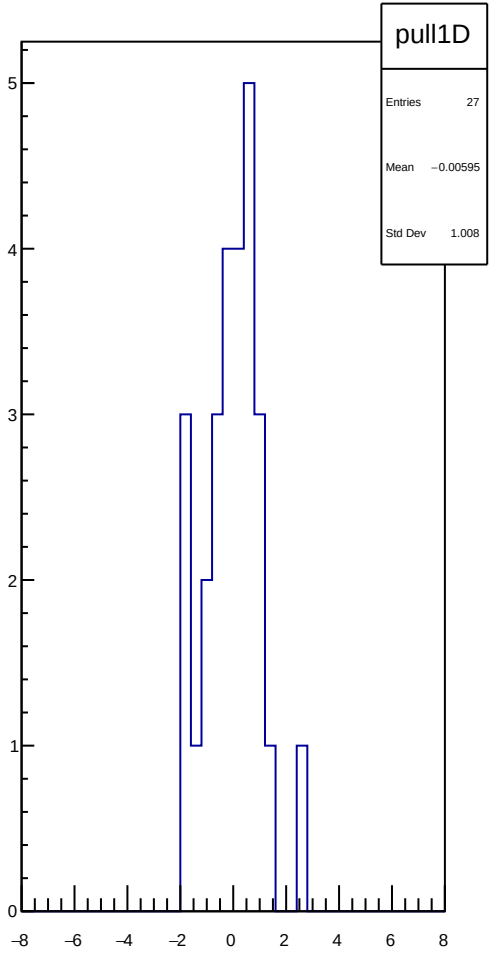

asym_atl_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.443e+05 / 26
p0 1.106e−10 ± 1.811e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

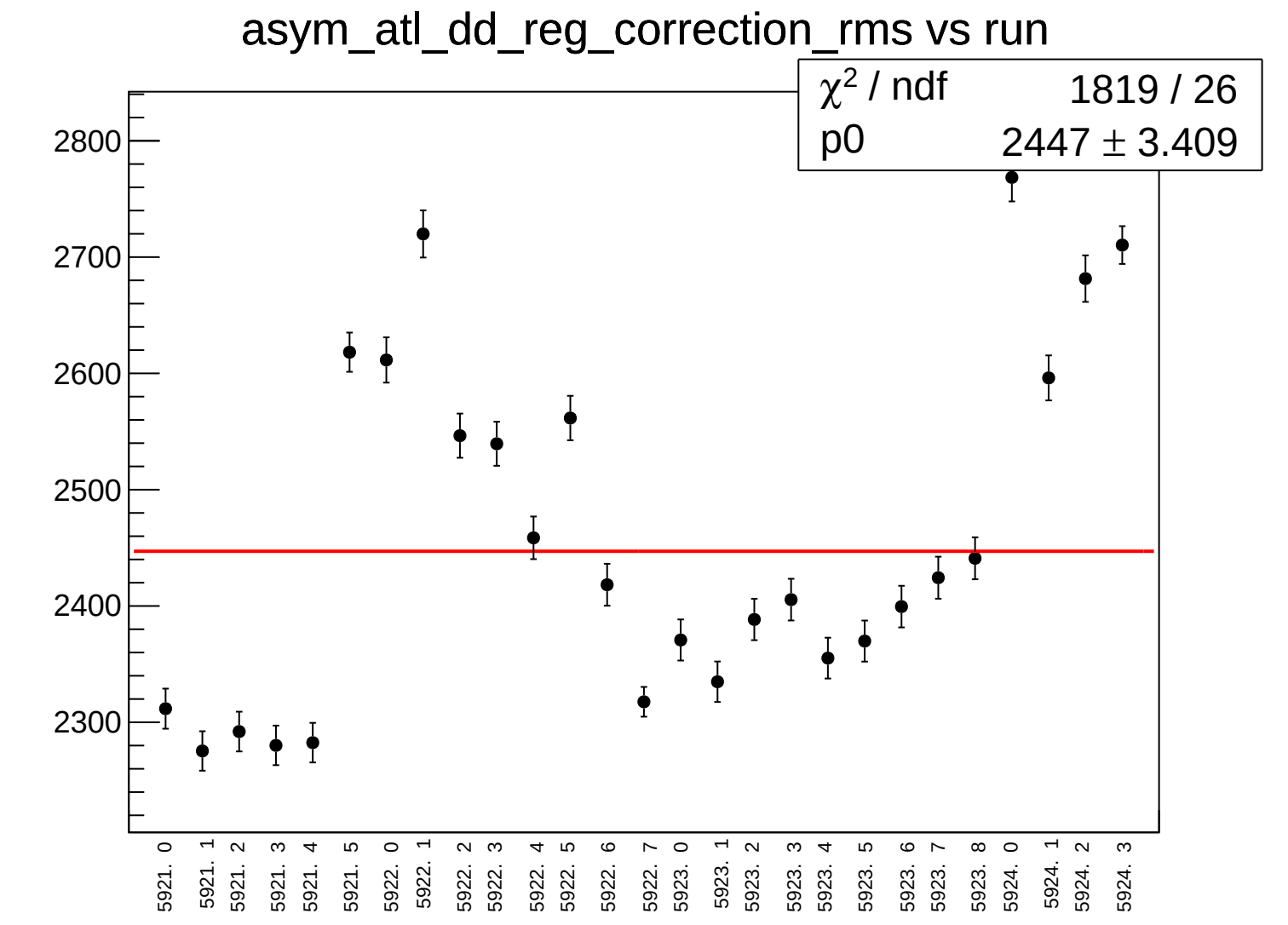

reg_asym_atl_dd_mean vs run
χ² / ndf 17.25 / 26
p0 1568 ± 3224
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −83.88
Std Dev 0
1.5
1
0.5
0
−0.5
−1

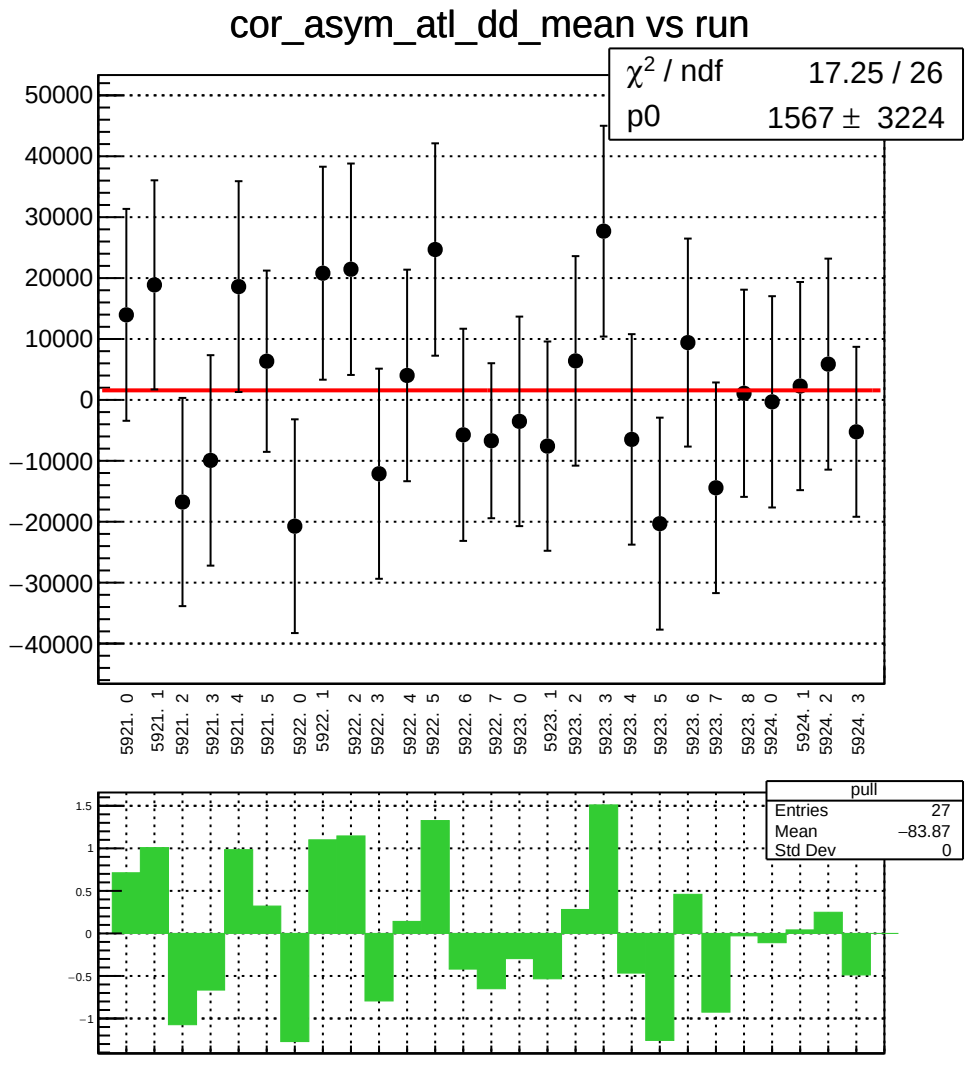

pull1D
Entries 27
Mean 0.01143
Std Dev 0.7992
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

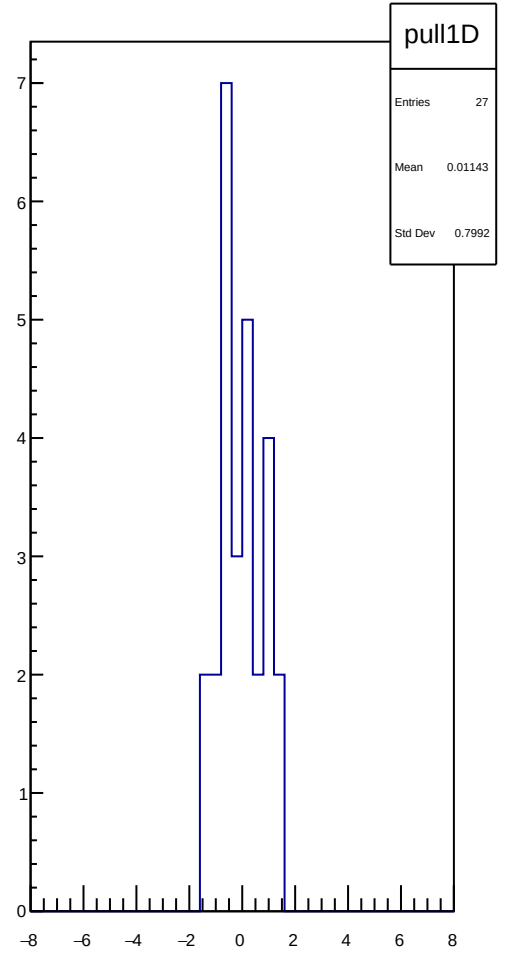

reg_asym_atl_dd_rms vs run
χ² / ndf 24.01 / 26
p0 1639 ± 2.28
1680
1670
1660
1650
1640
1630
1620
1610
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

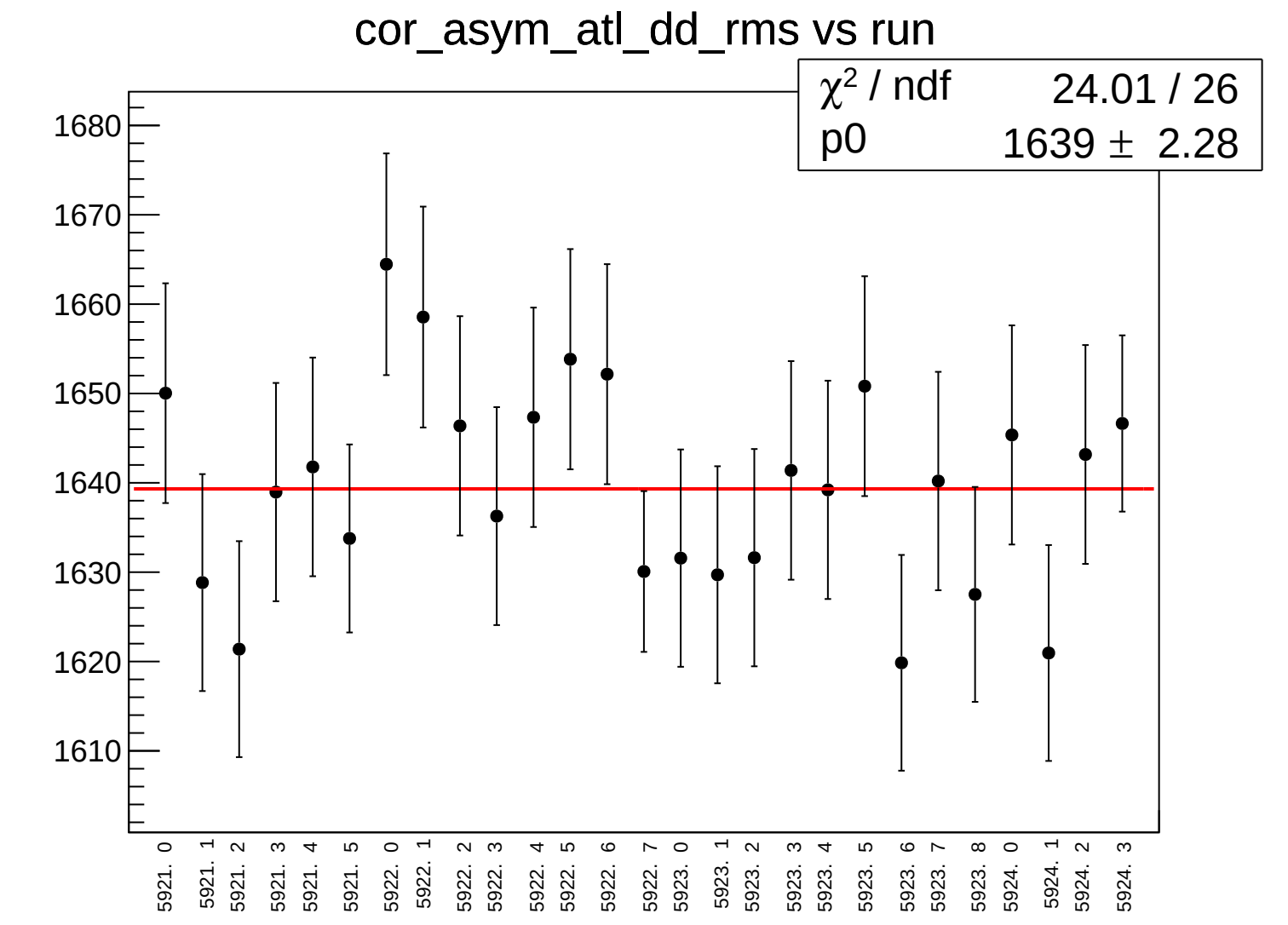

asym_atl_dd_reg_correction_mean vs run
×10^3
χ² / ndf 27.44 / 26
p0 −3630 ± 4821
100
80
60
40
20
0
−20
−40
−60
−80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −100.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

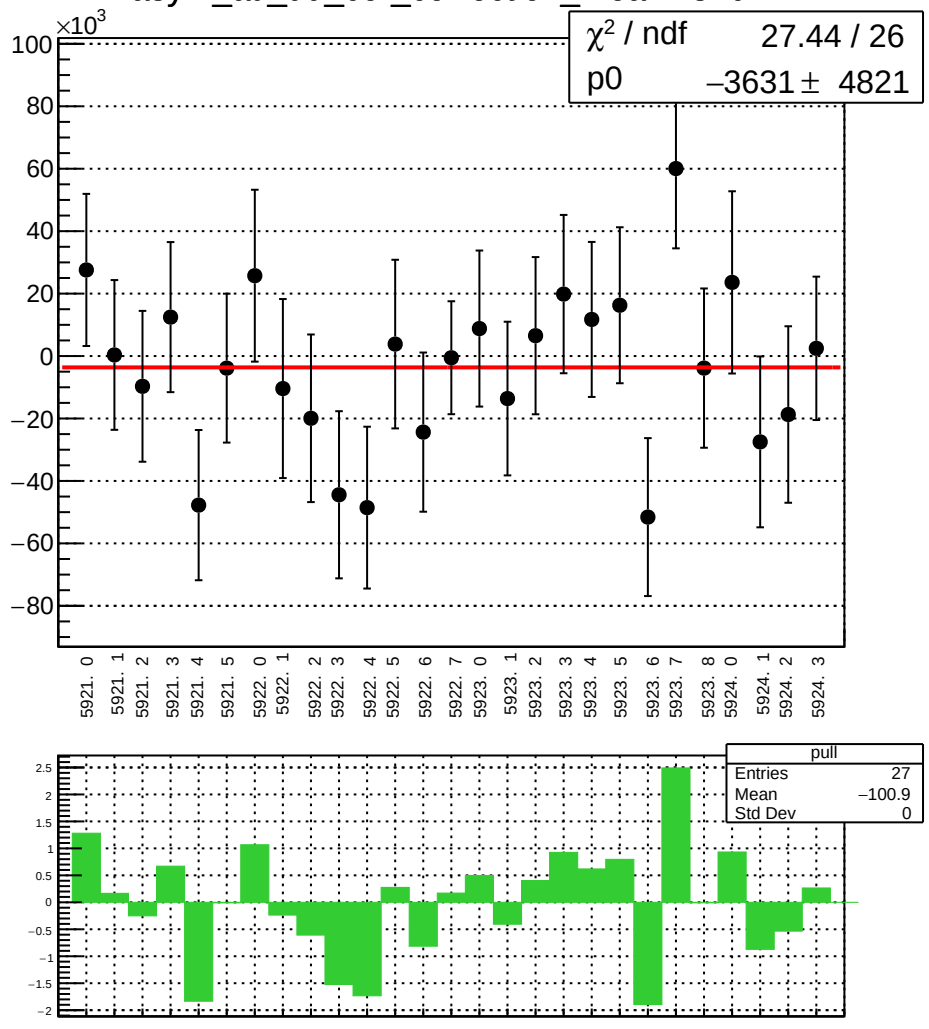

pull1D
Entries 27
Mean −0.00595
Std Dev 1.008
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

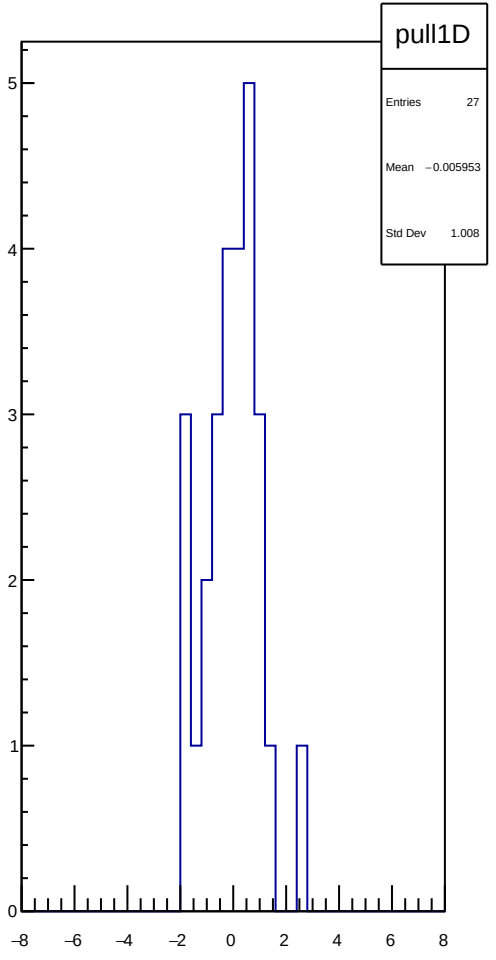

asym_atl_dd_reg_correction_rms vs run
χ² / ndf 1819 / 26
p0 2447 ± 3.409
2800
2700
2600
2500
2400
2300
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

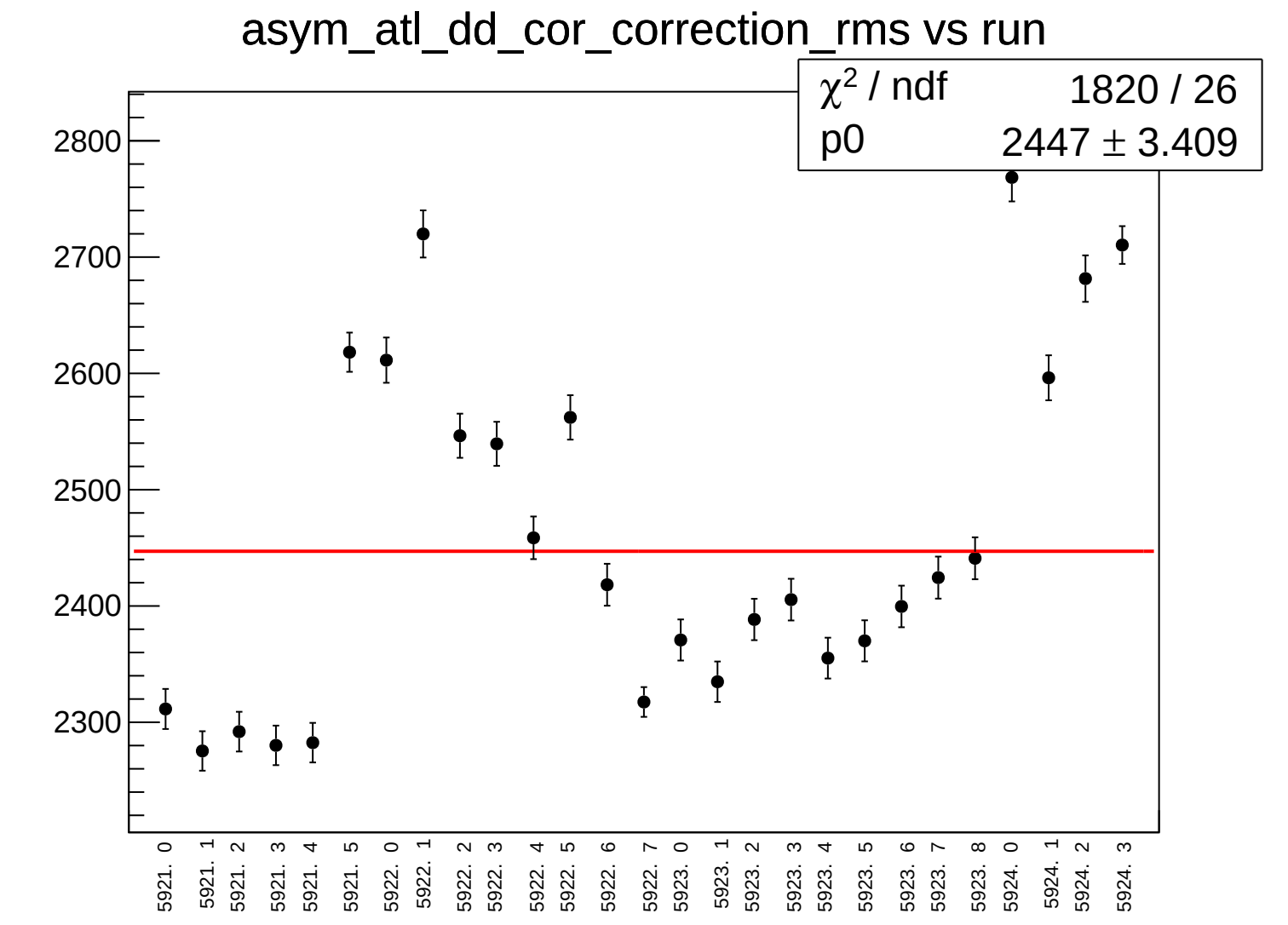

cor_asym_atl_dd_mean vs run
χ² / ndf 17.25 / 26
p0 1567 ± 3224
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −83.87
Std Dev 0
1.5
1
0.5
0
−0.5
−1

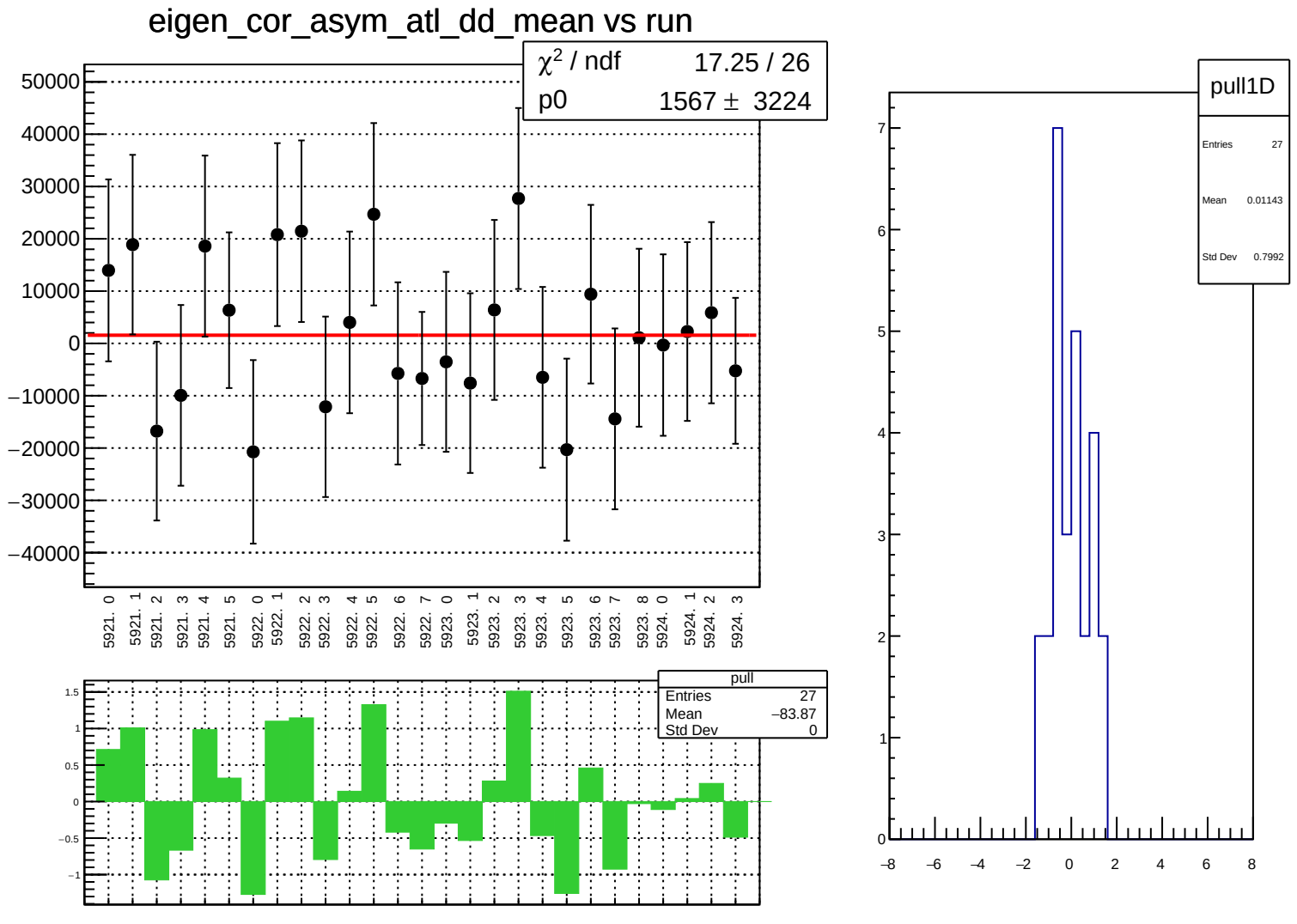

pull1D
Entries 27
Mean 0.01143
Std Dev 0.7992
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

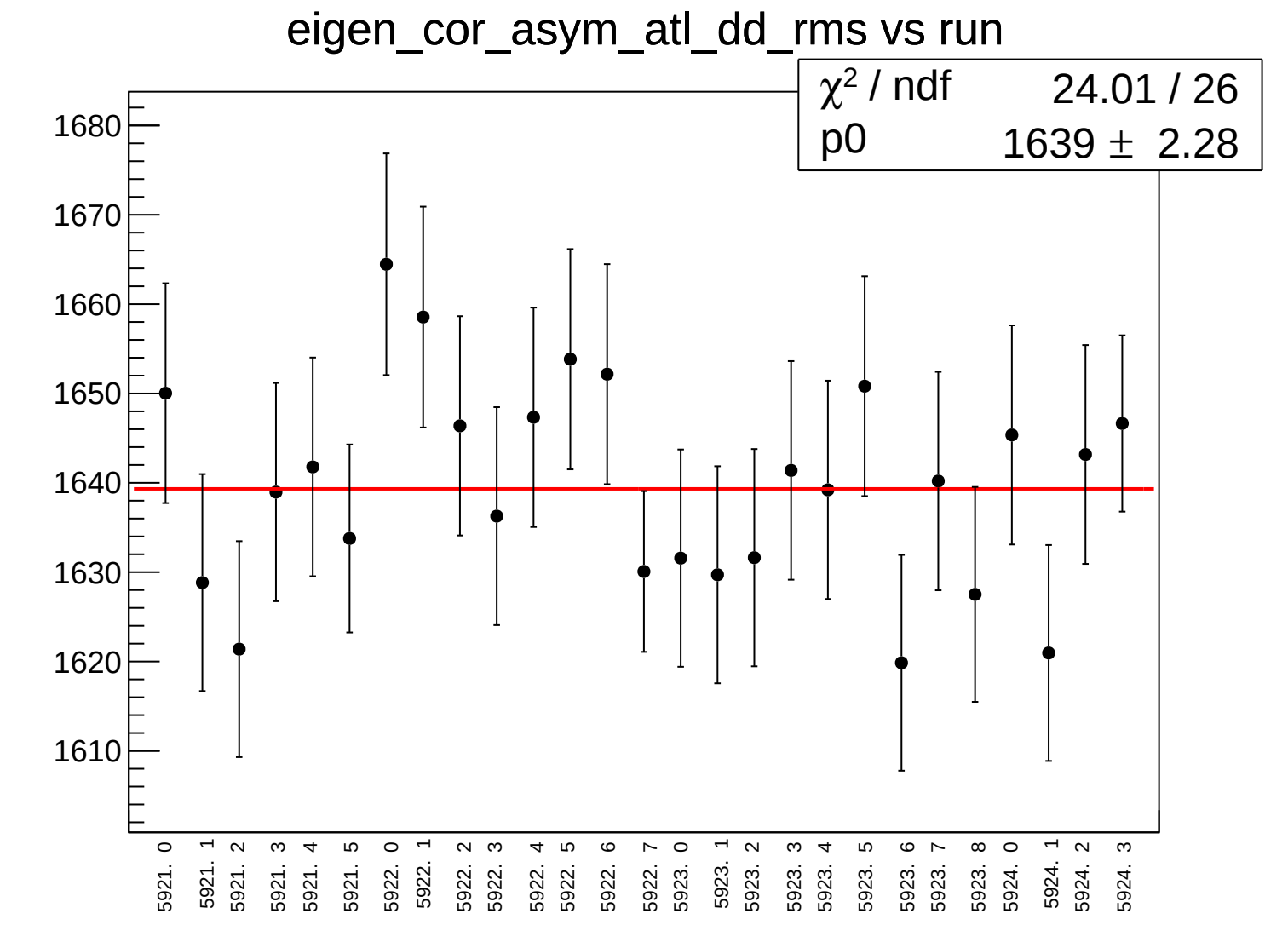

cor_asym_atl_dd_rms vs run
χ² / ndf 24.01 / 26
p0 1639 ± 2.28
1680
1670
1660
1650
1640
1630
1620
1610
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

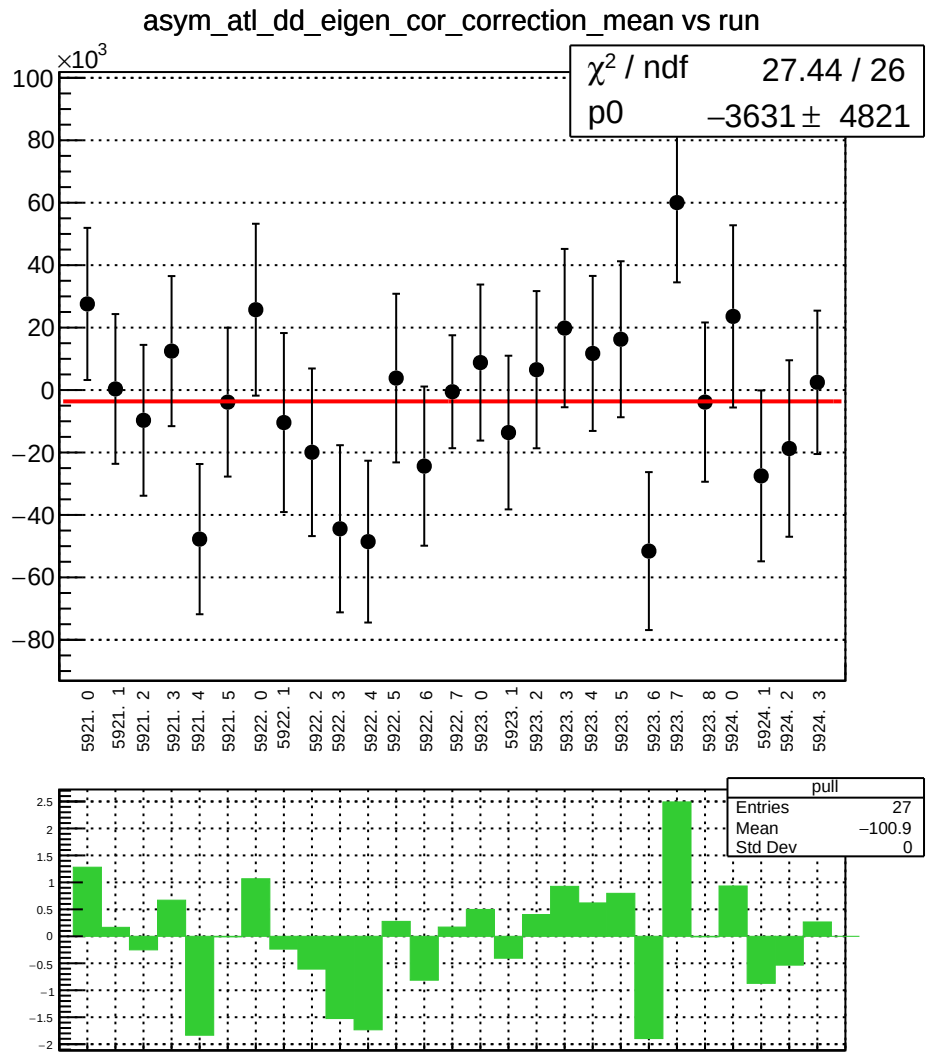

asym_atl_dd_cor_correction_mean vs run
×10^3
χ² / ndf 27.44 / 26
p0 −3631 ± 4821
100
80
60
40
20
0
−20
−40
−60
−80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −100.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

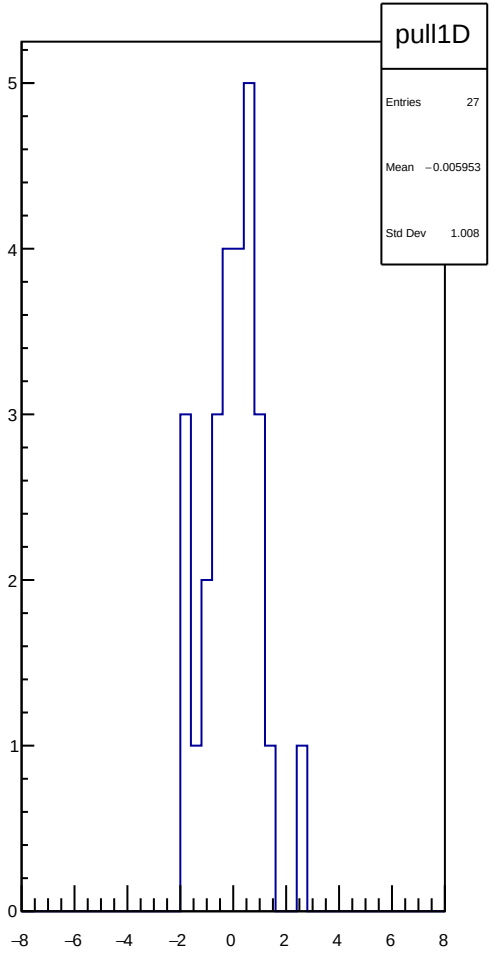

pull1D
Entries 27
Mean −0.005953
Std Dev 1.008
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

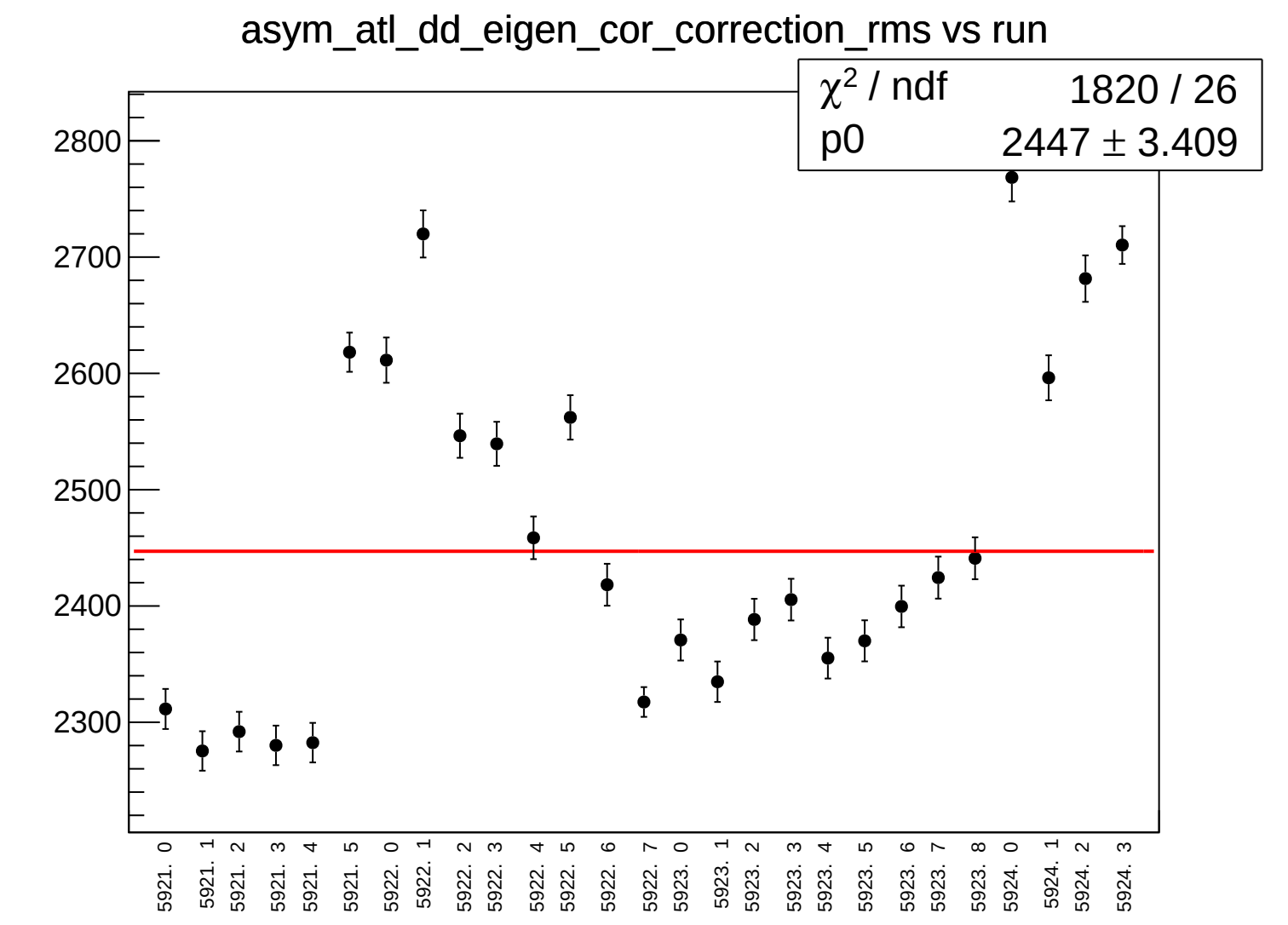

asym_atl_dd_cor_correction_rms vs run
χ² / ndf 1820 / 26
p0 2447 ± 3.409
2800
2700
2600
2500
2400
2300
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

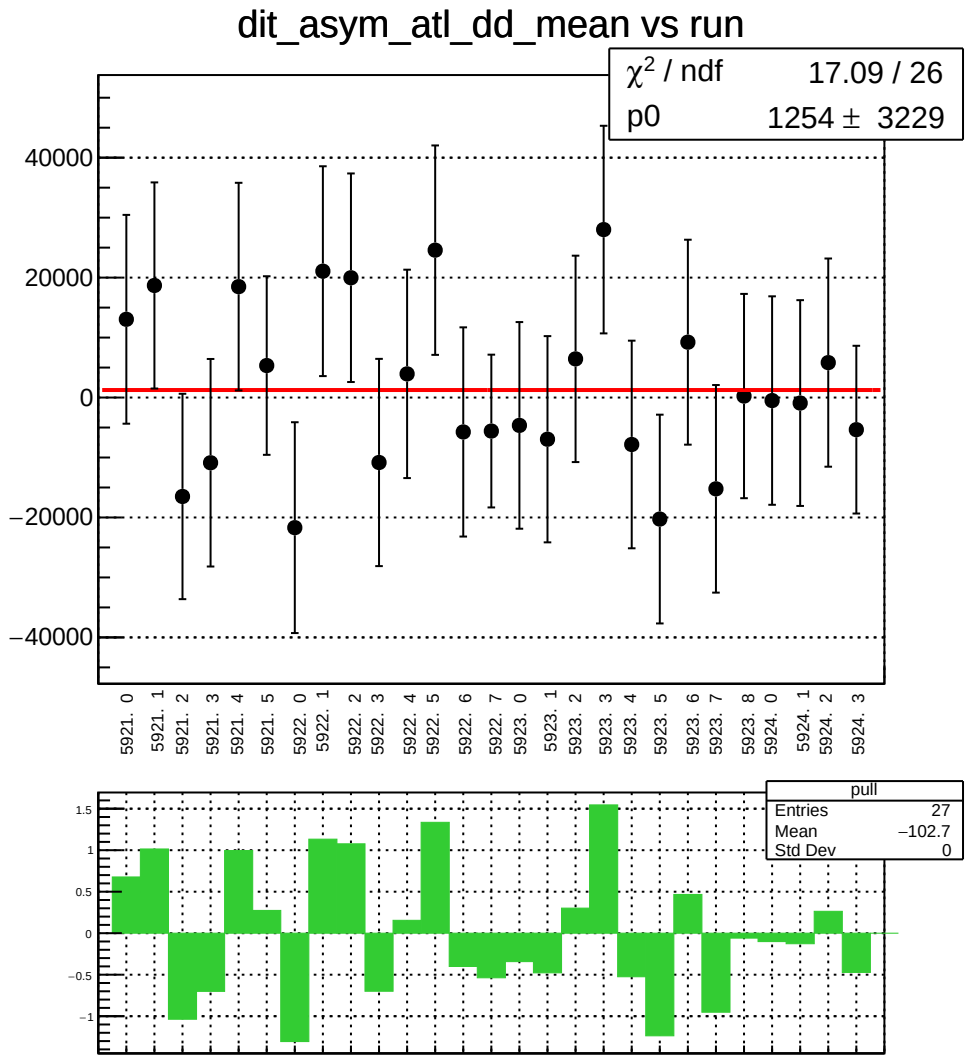

eigen_cor_asym_atl_dd_mean vs run
χ² / ndf 17.25 / 26
p0 1567 ± 3224
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −83.87
Std Dev 0
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 27
Mean 0.01143
Std Dev 0.7992
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

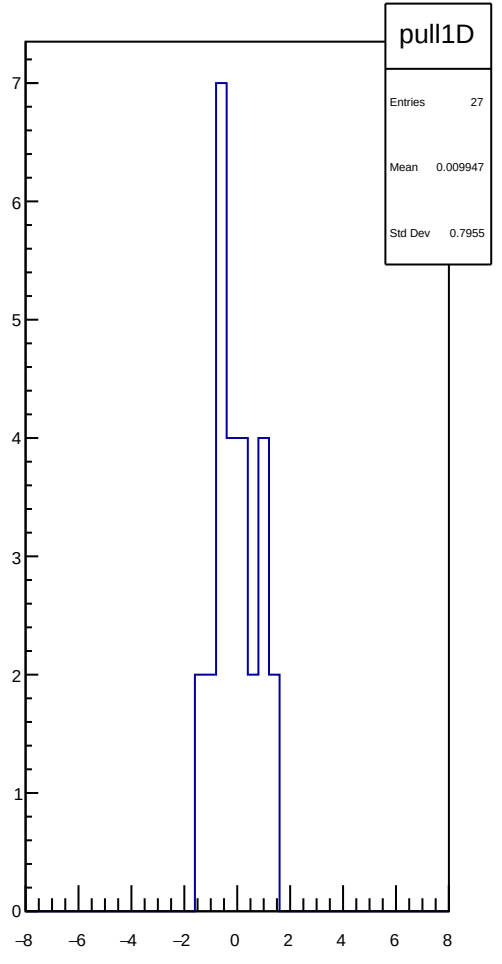

eigen_cor_asym_atl_dd_rms vs run
χ² / ndf 24.01 / 26
p0 1639 ± 2.28
1680
1670
1660
1650
1640
1630
1620
1610
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

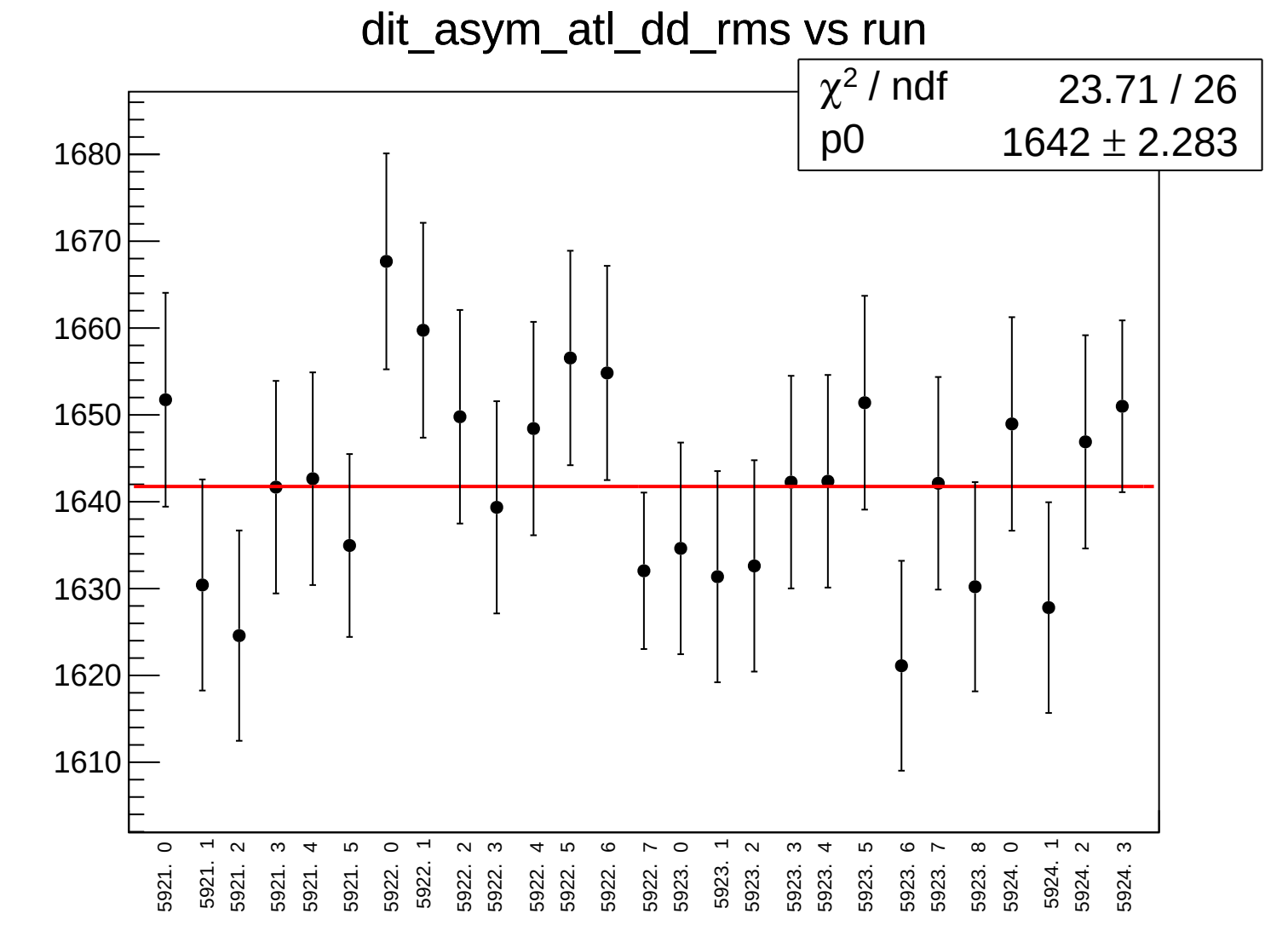

asym_atl_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 27.44 / 26
p0 −3631 ± 4821
100
80
60
40
20
0
−20
−40
−60
−80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −100.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

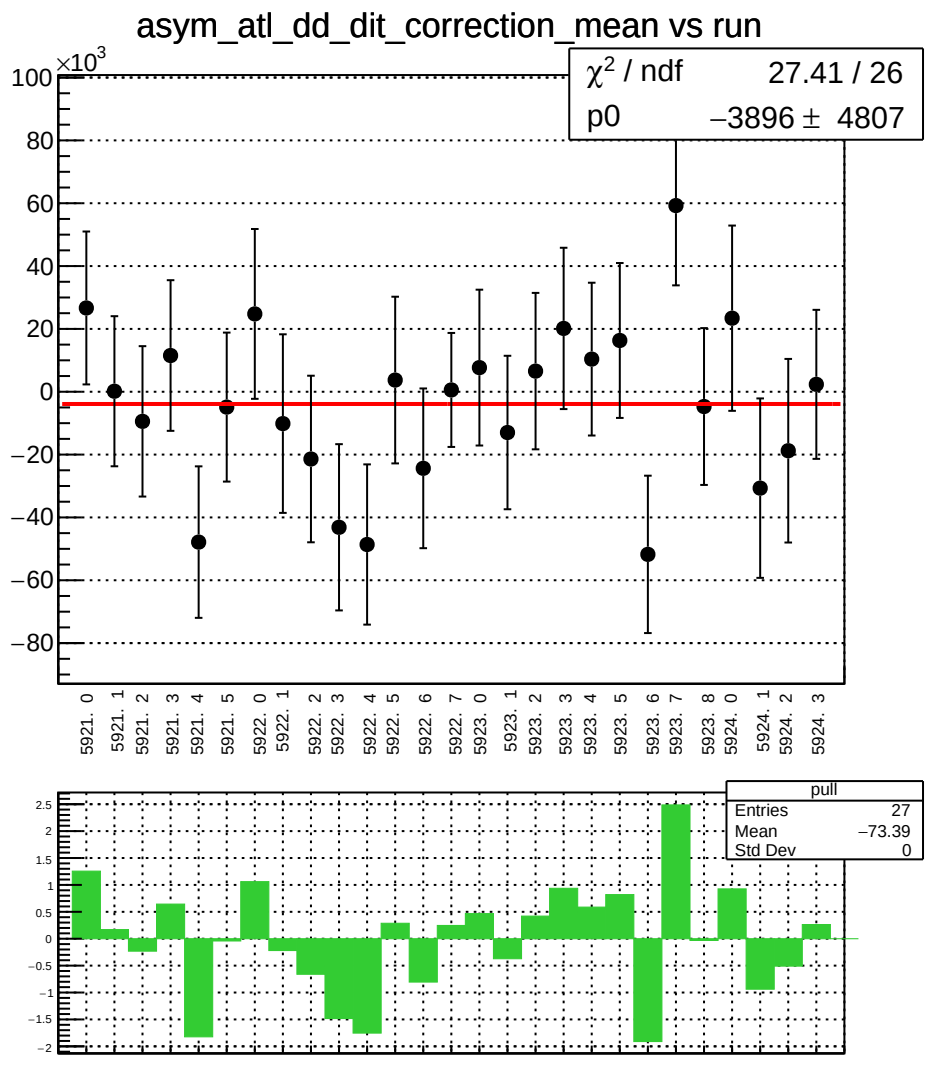

pull1D
Entries 27
Mean −0.005953
Std Dev 1.008
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

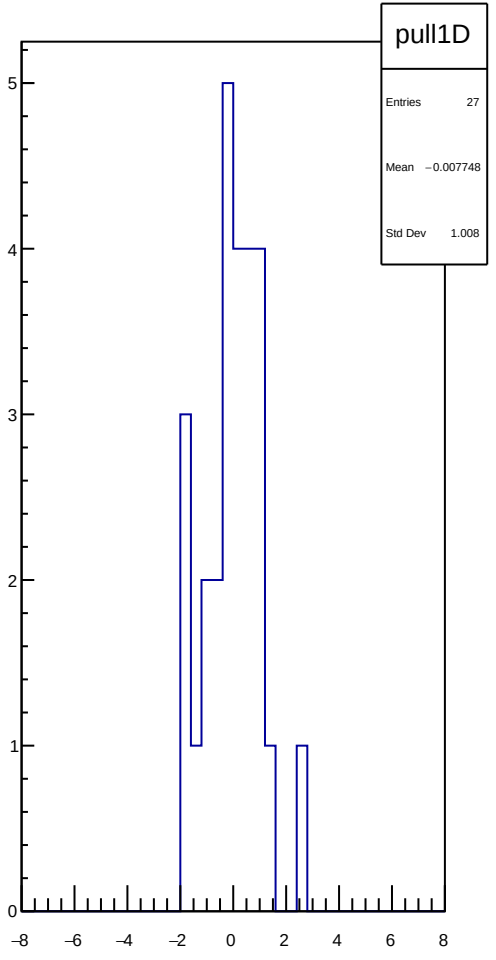

asym_atl_dd_eigen_cor_correction_rms vs run
χ² / ndf 1820 / 26
p0 2447 ± 3.409
2800
2700
2600
2500
2400
2300
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

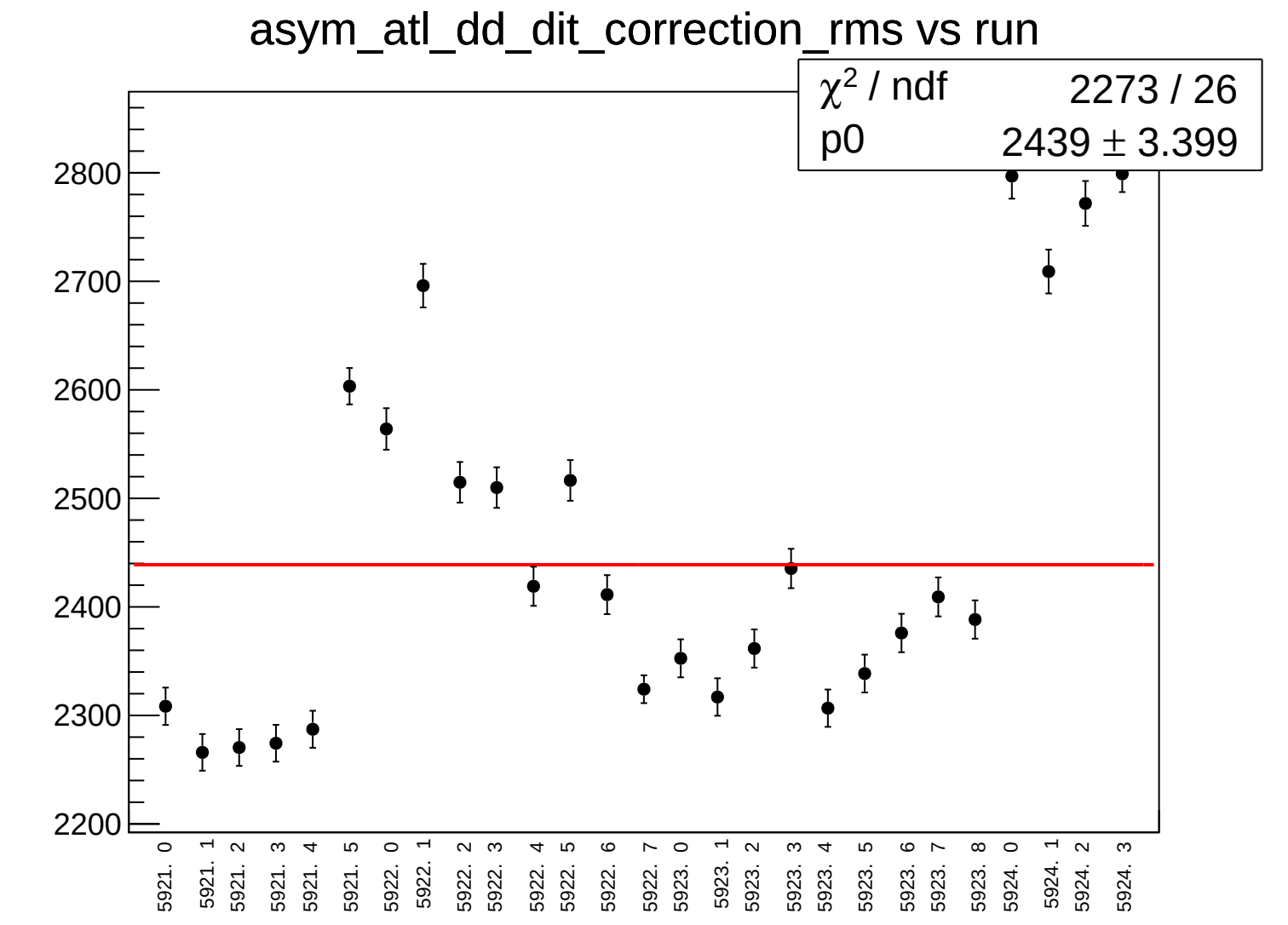

dit_asym_atl_dd_mean vs run
χ² / ndf 17.09 / 26
p0 1254 ± 3229
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −102.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1

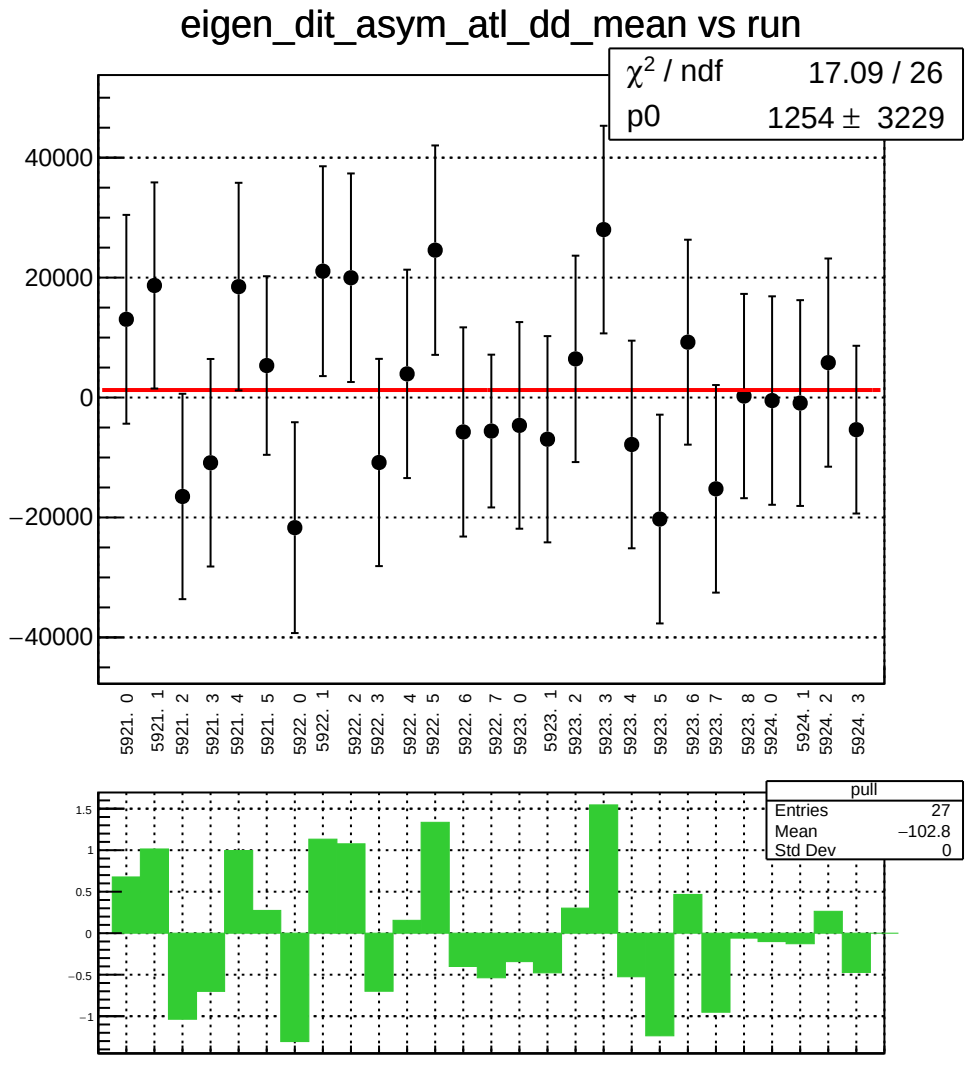

pull1D
Entries 27
Mean 0.009947
Std Dev 0.7955
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

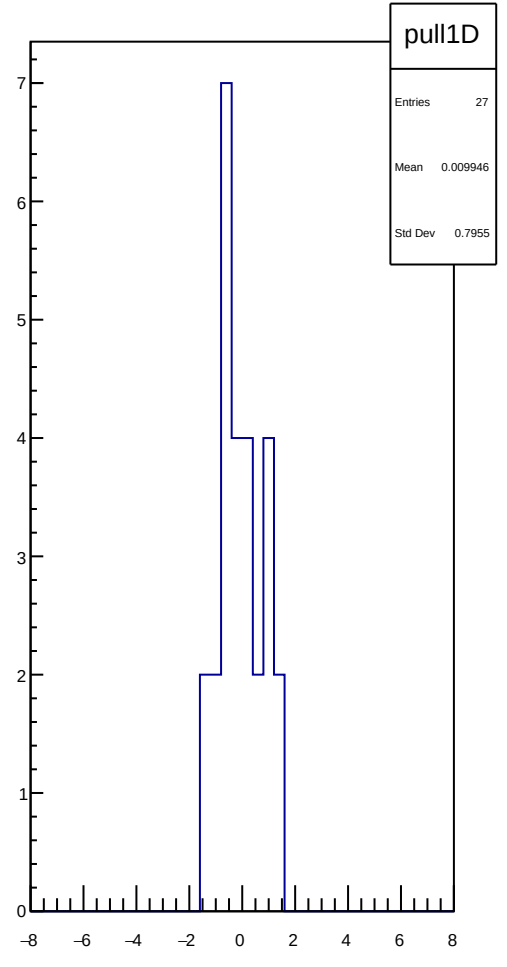

dit_asym_atl_dd_rms vs run
χ² / ndf 23.71 / 26
p0 1642 ± 2.283
1680
1670
1660
1650
1640
1630
1620
1610
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

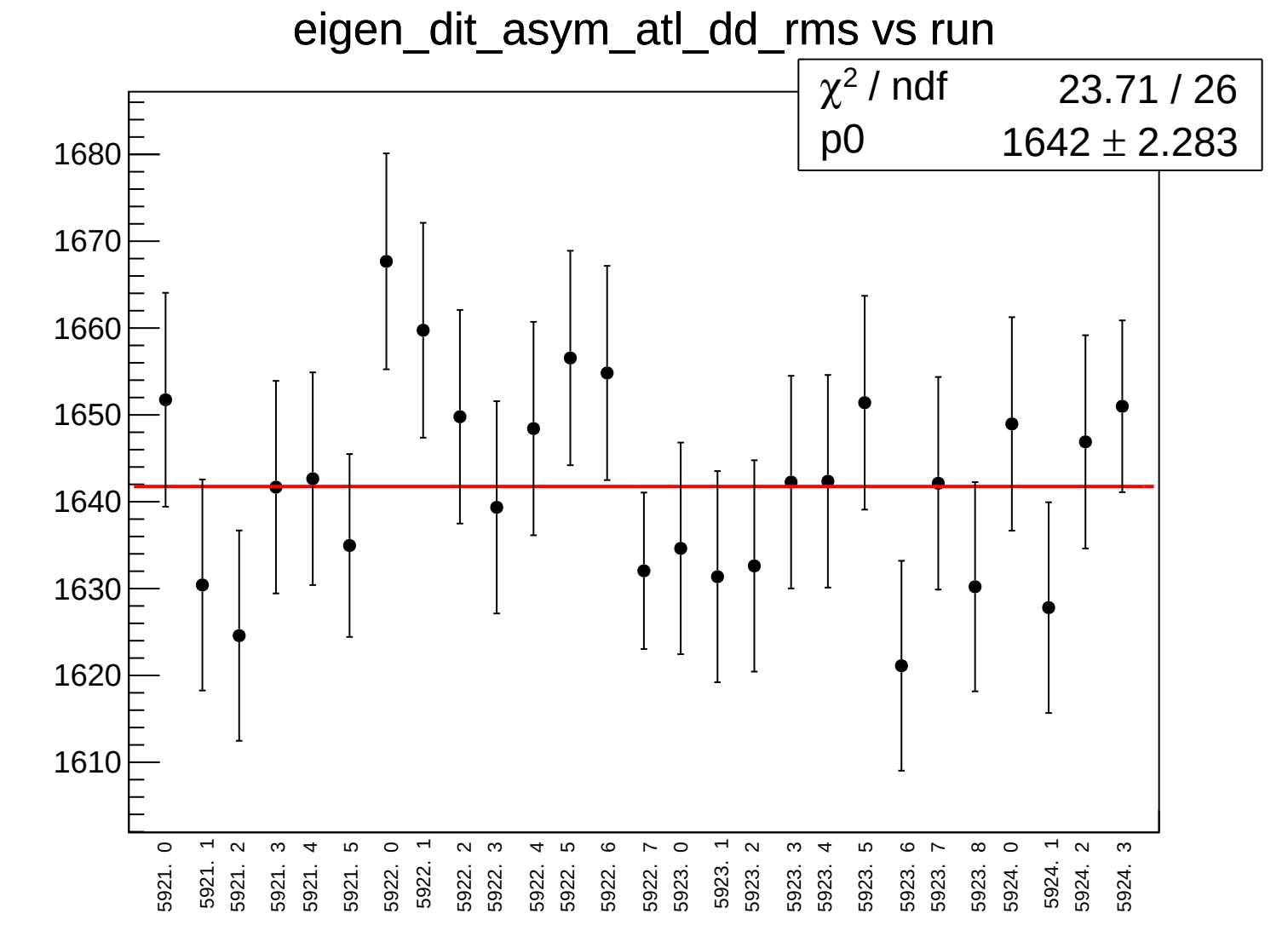

asym_atl_dd_dit_correction_mean vs run
χ² / ndf 27.41 / 26
p0 −3896 ± 4807
×10³
100
80
60
40
20
0
−20
−40
−60
−80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −73.39
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

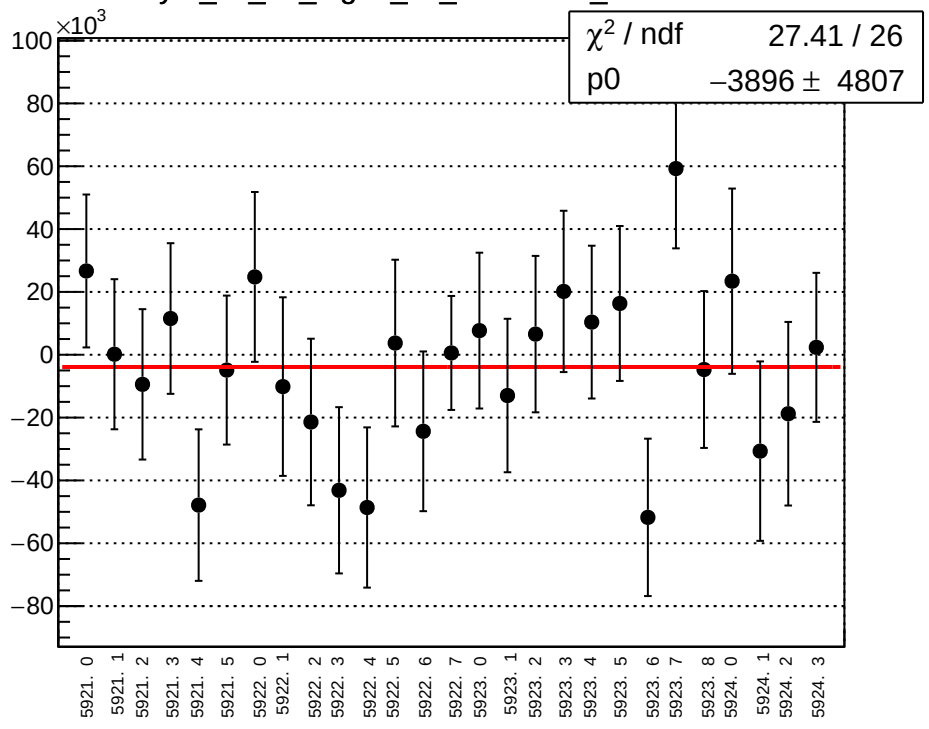

pull1D
Entries 27
Mean −0.007748
Std Dev 1.008
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

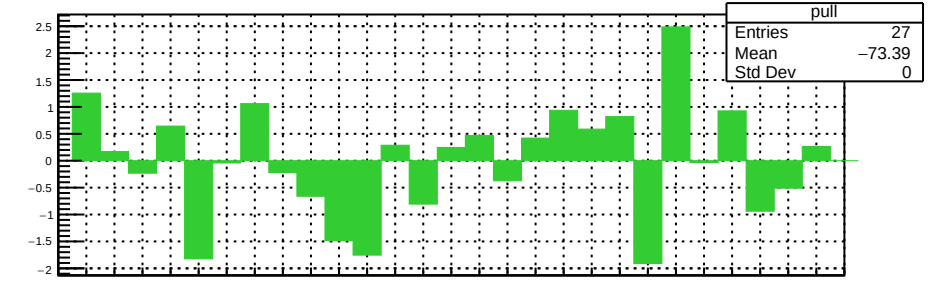

asym_atl_dd_dit_correction_rms vs run
χ² / ndf 2273 / 26
p0 2439 ± 3.399
2800
2700
2600
2500
2400
2300
2200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

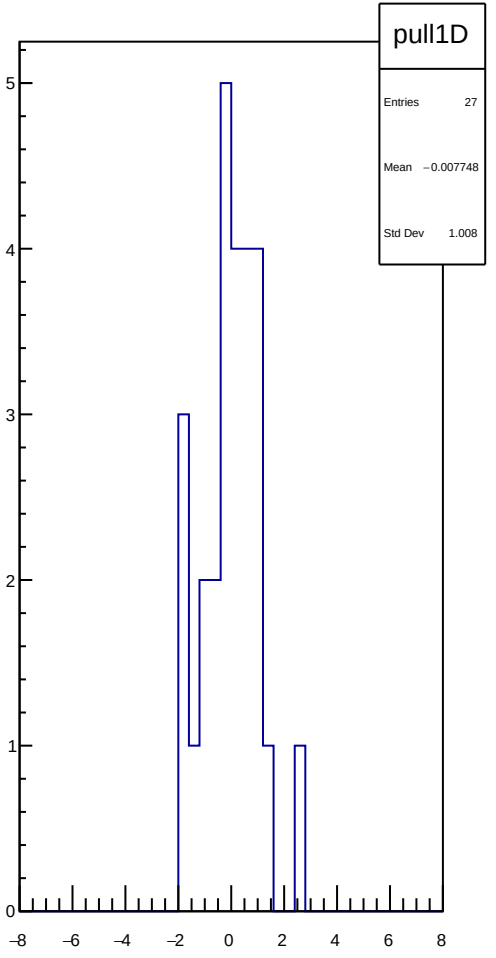

eigen_dit_asym_atl_dd_mean vs run
χ² / ndf 17.09 / 26
p0 1254 ± 3229
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −102.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1

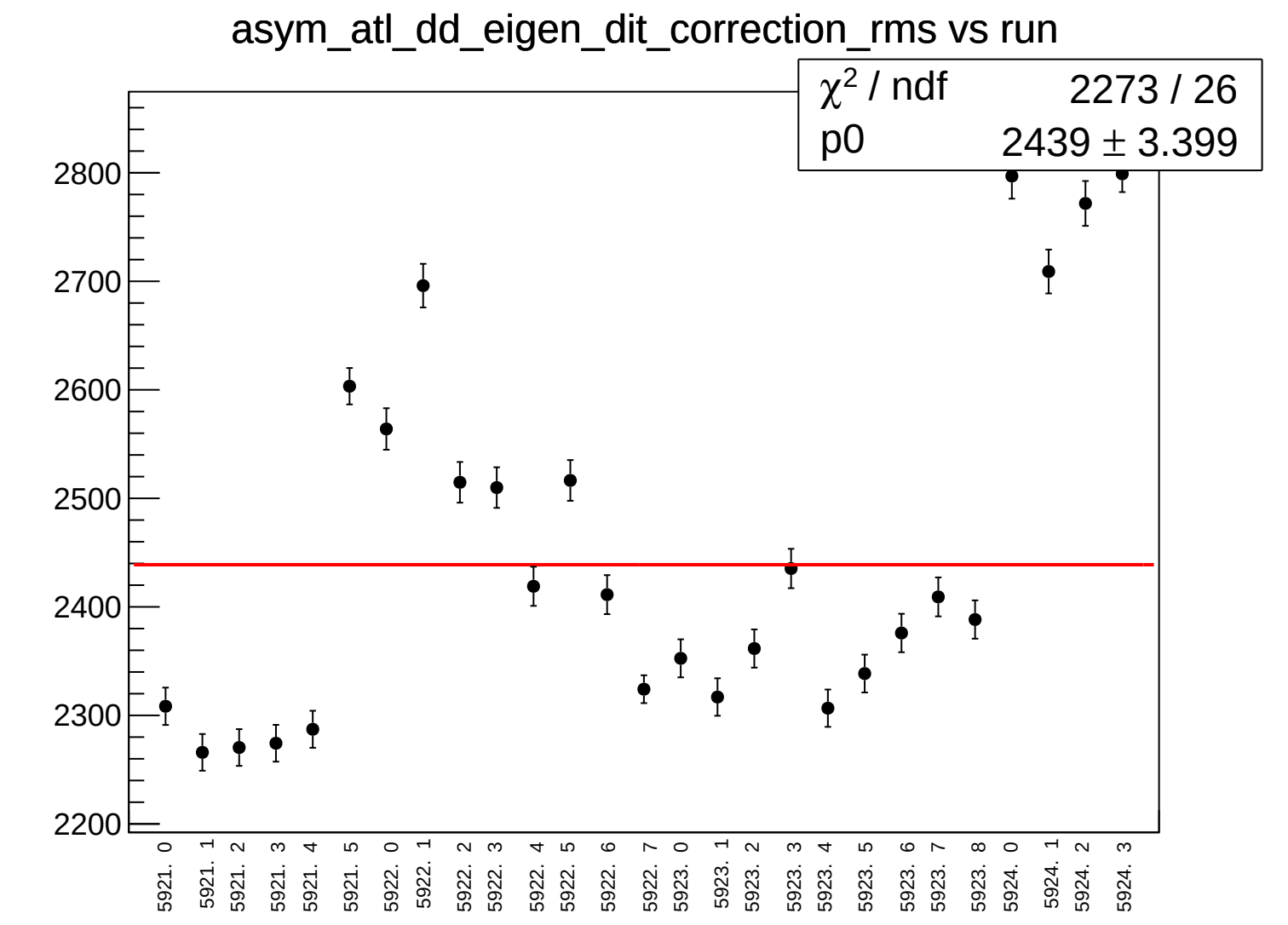

pull1D
Entries 27
Mean 0.009946
Std Dev 0.7955
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

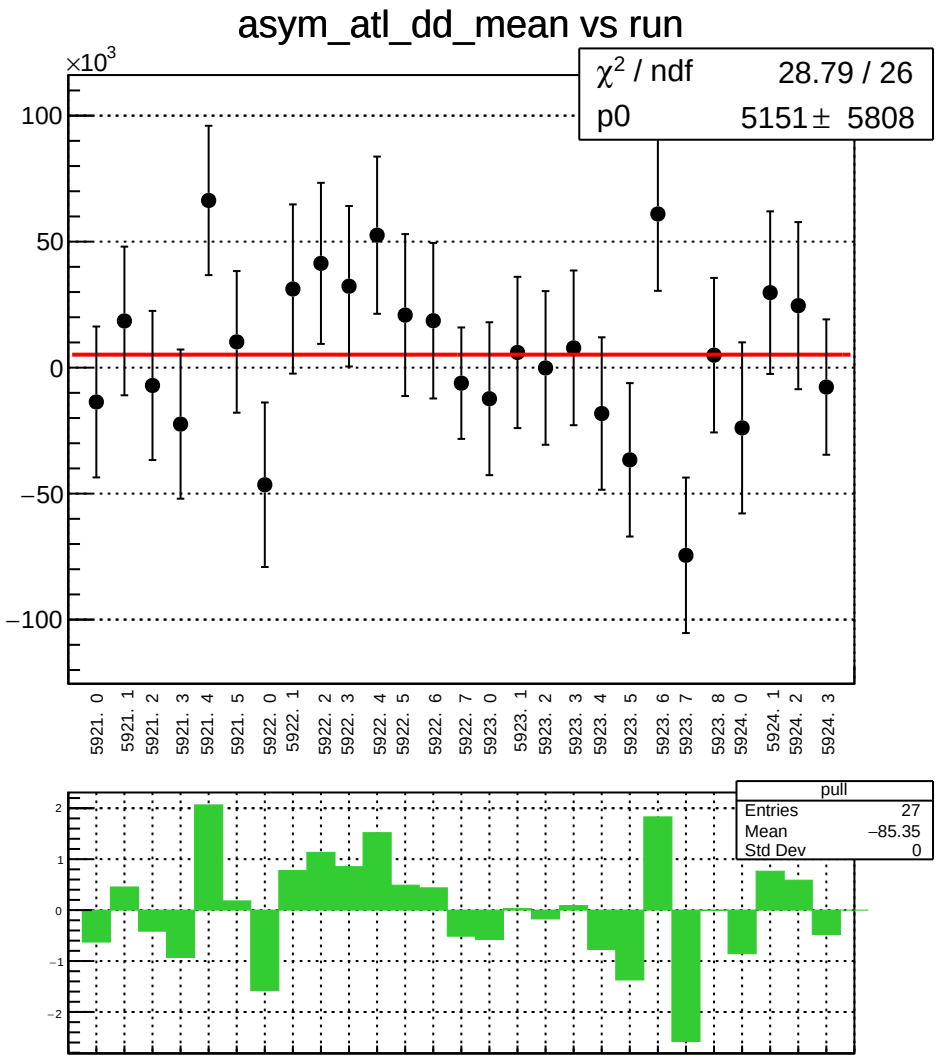

eigen_dit_asym_atl_dd_rms vs run
χ² / ndf 23.71 / 26
p0 1642 ± 2.283
1680
1670
1660
1650
1640
1630
1620
1610
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

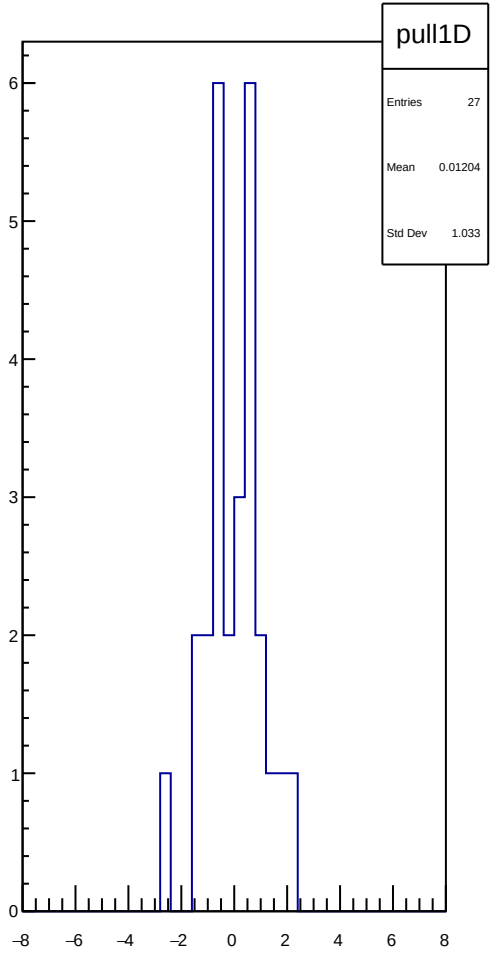

asym_atl_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 27.41 / 26
p0 −3896 ± 4807
100
80
60
40
20
0
−20
−40
−60
−80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

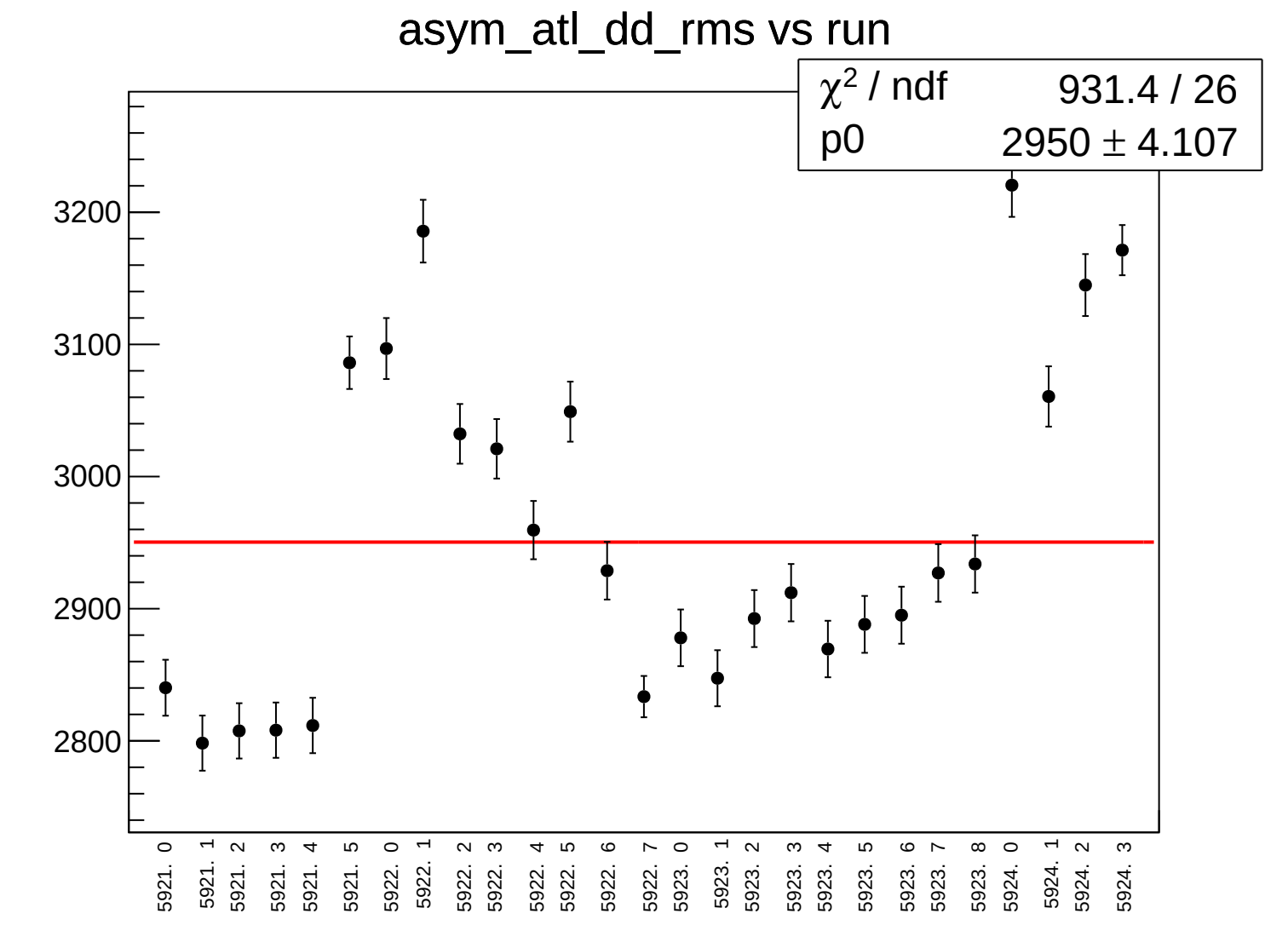

pull
Entries 27
Mean −73.39
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

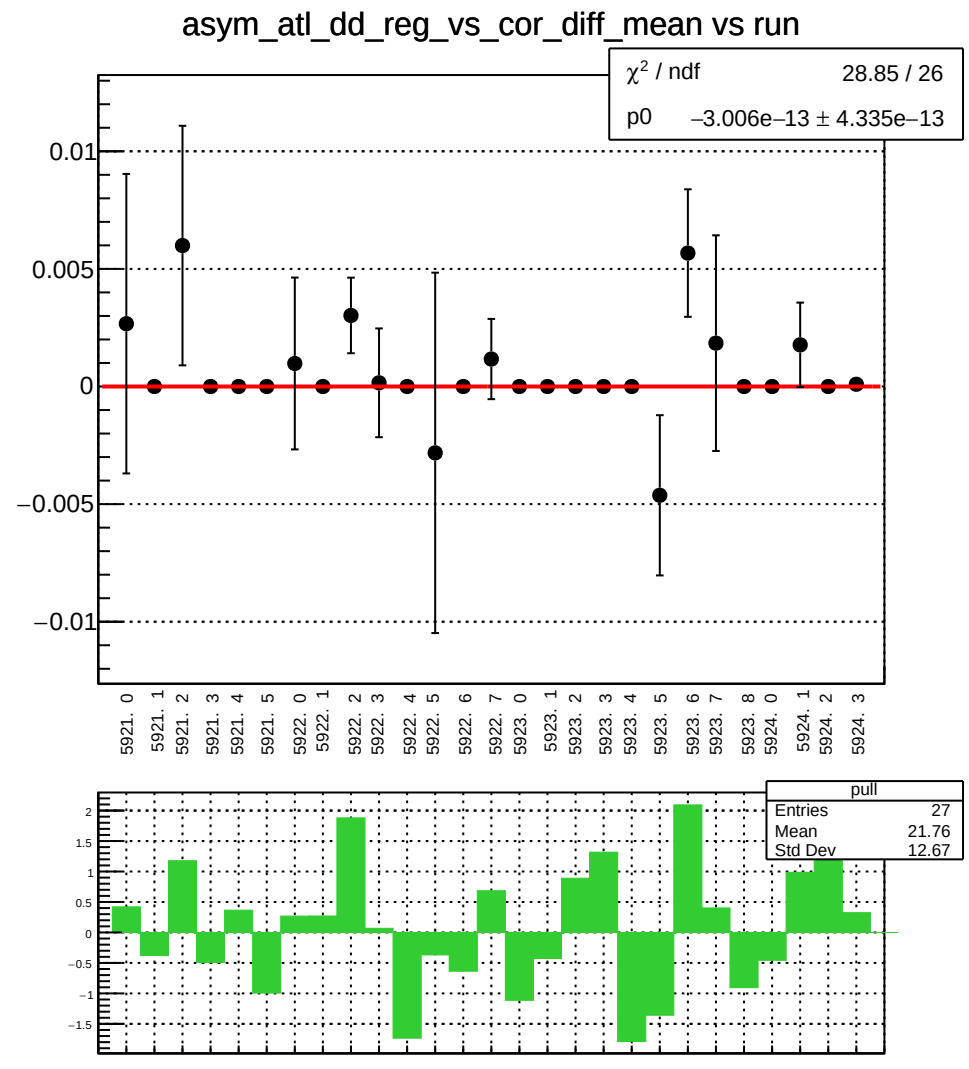

pull1D
Entries 27
Mean −0.007748
Std Dev 1.008
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

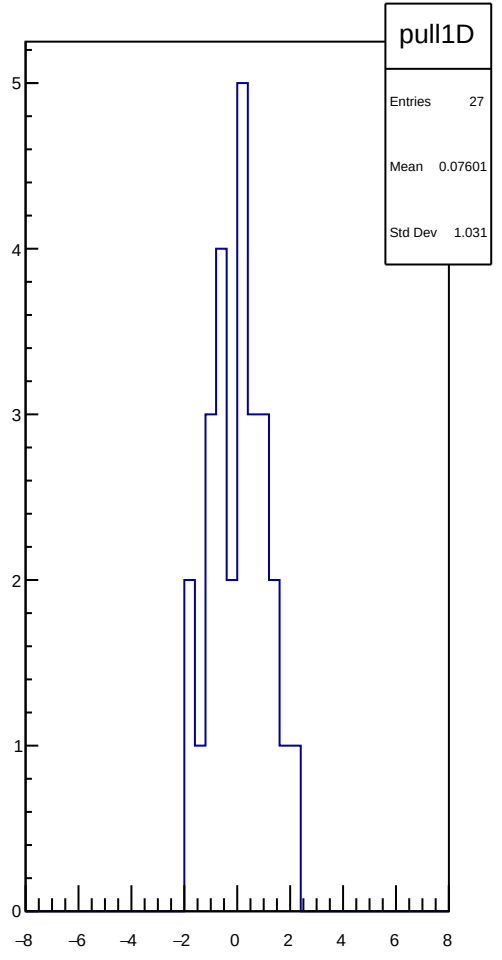

asym_atl_dd_eigen_dit_correction_rms vs run
χ² / ndf 2273 / 26
p0 2439 ± 3.399
2800
2700
2600
2500
2400
2300
2200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

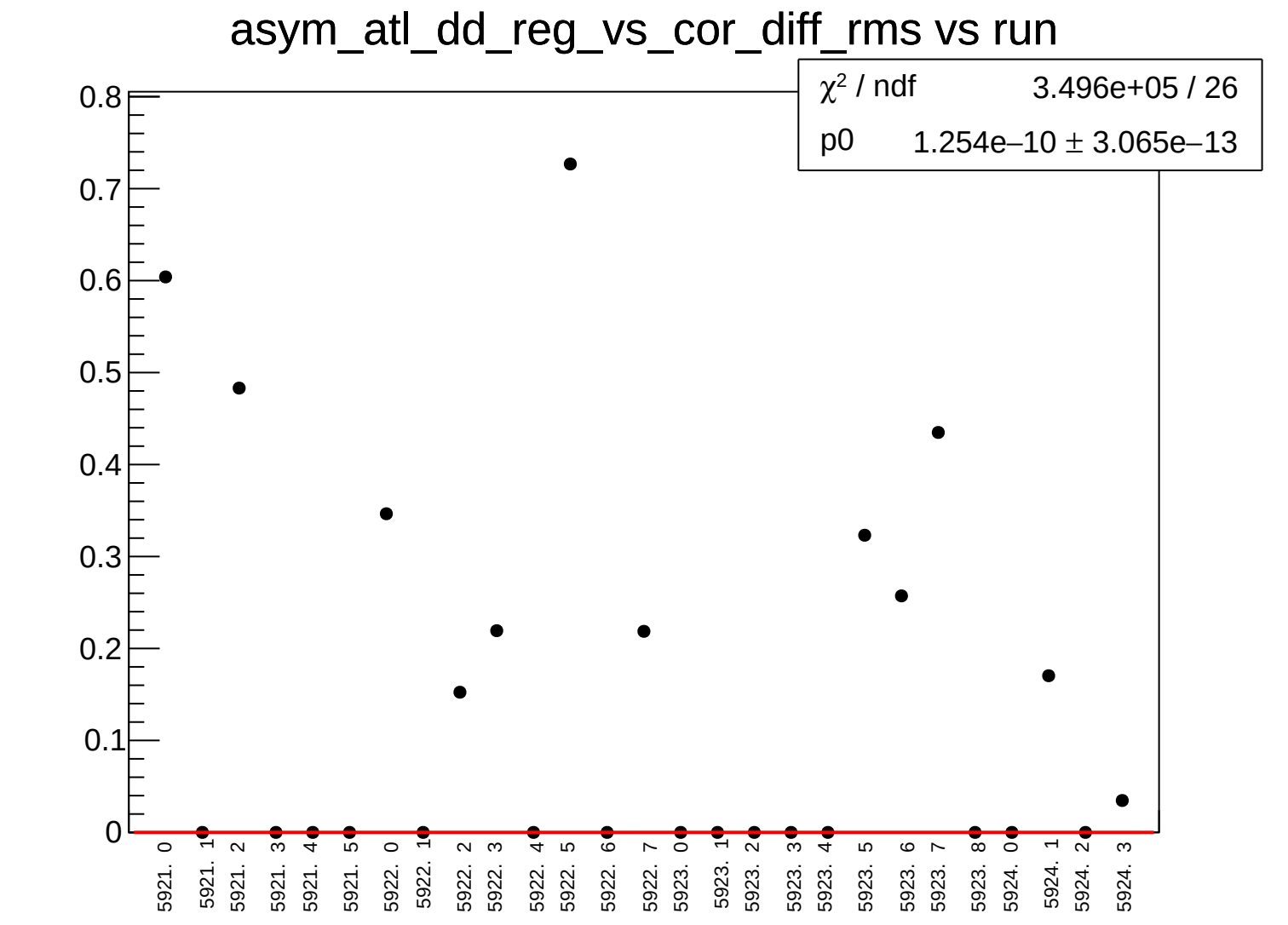

asym_atl_dd_mean vs run
×10^3
χ^2 / ndf 28.79 / 26
p0 5151 ± 5808
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −85.35
Std Dev 0
2
1
0
−1
−2

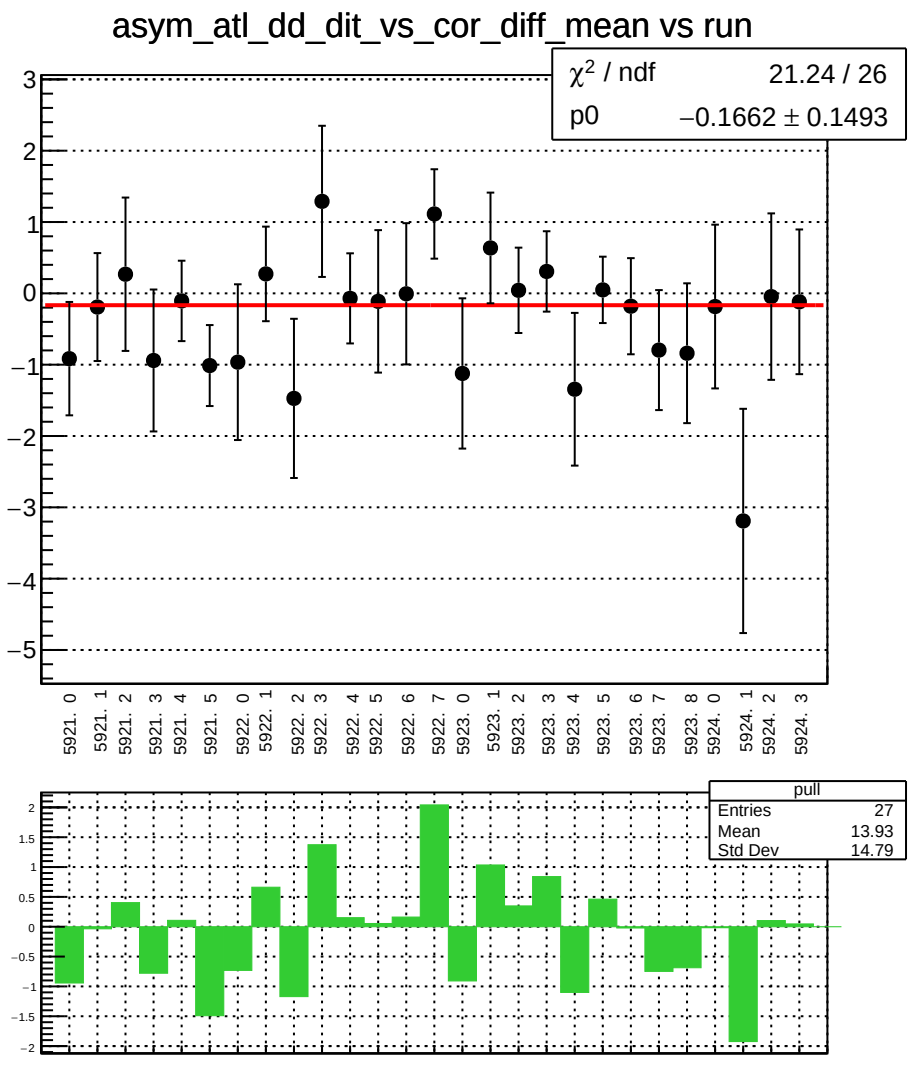

pull1D
Entries 27
Mean 0.01204
Std Dev 1.033
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

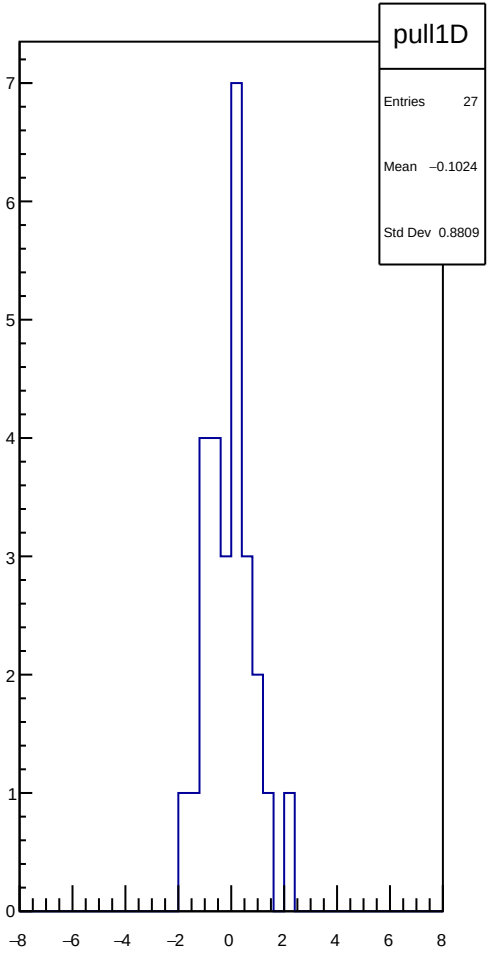

asym_atl_dd_rms vs run
χ^2 / ndf 931.4 / 26
p0 2950 ± 4.107
3200
3100
3000
2900
2800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

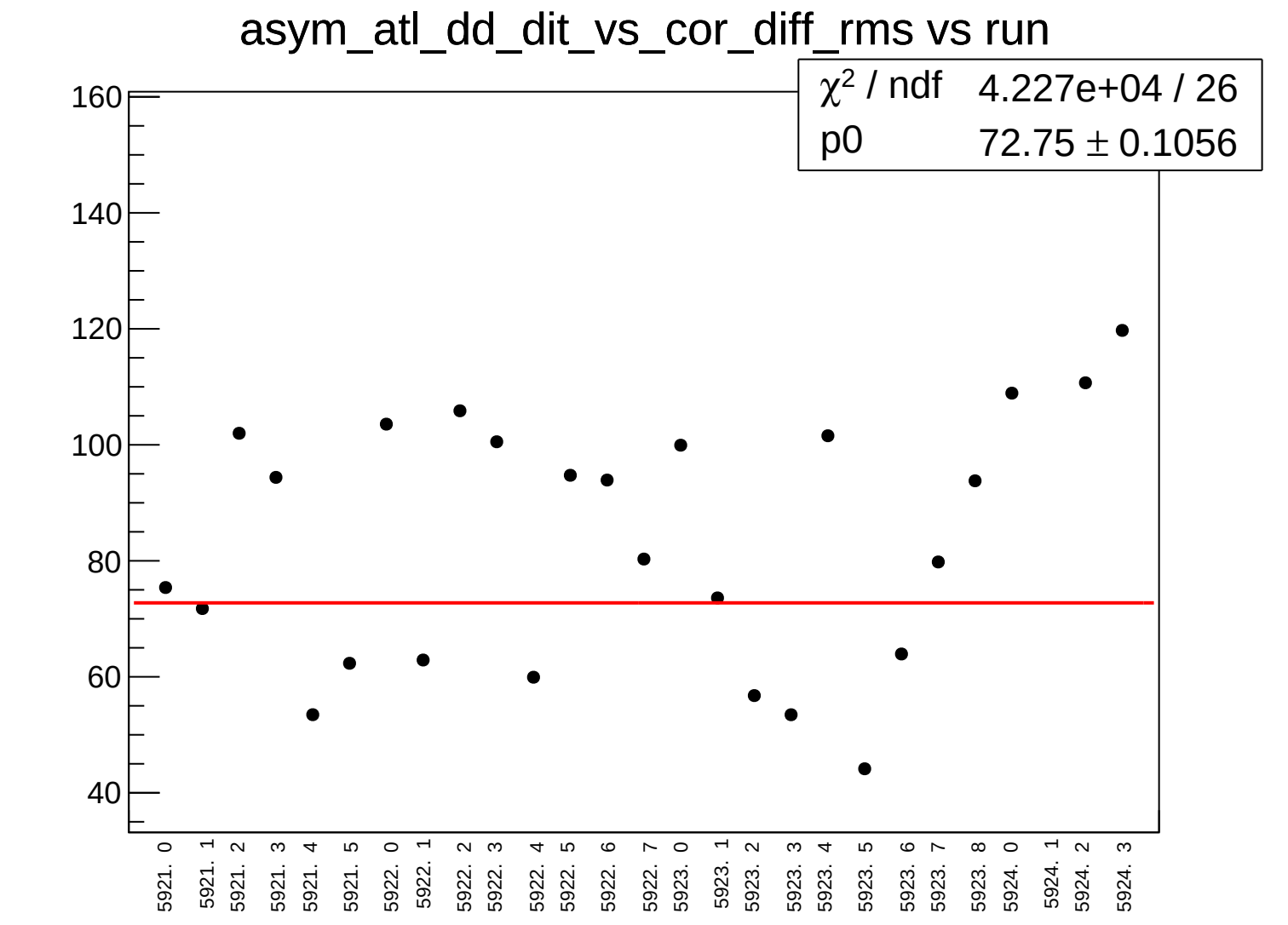

asym_atl_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 28.85 / 26
p0 −3.006e−13 ± 4.335e−13
0.01
0.005
0
−0.005
−0.01
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 21.76
Std Dev 12.67
2
1.5
1
0.5
0
−0.5
−1
−1.5

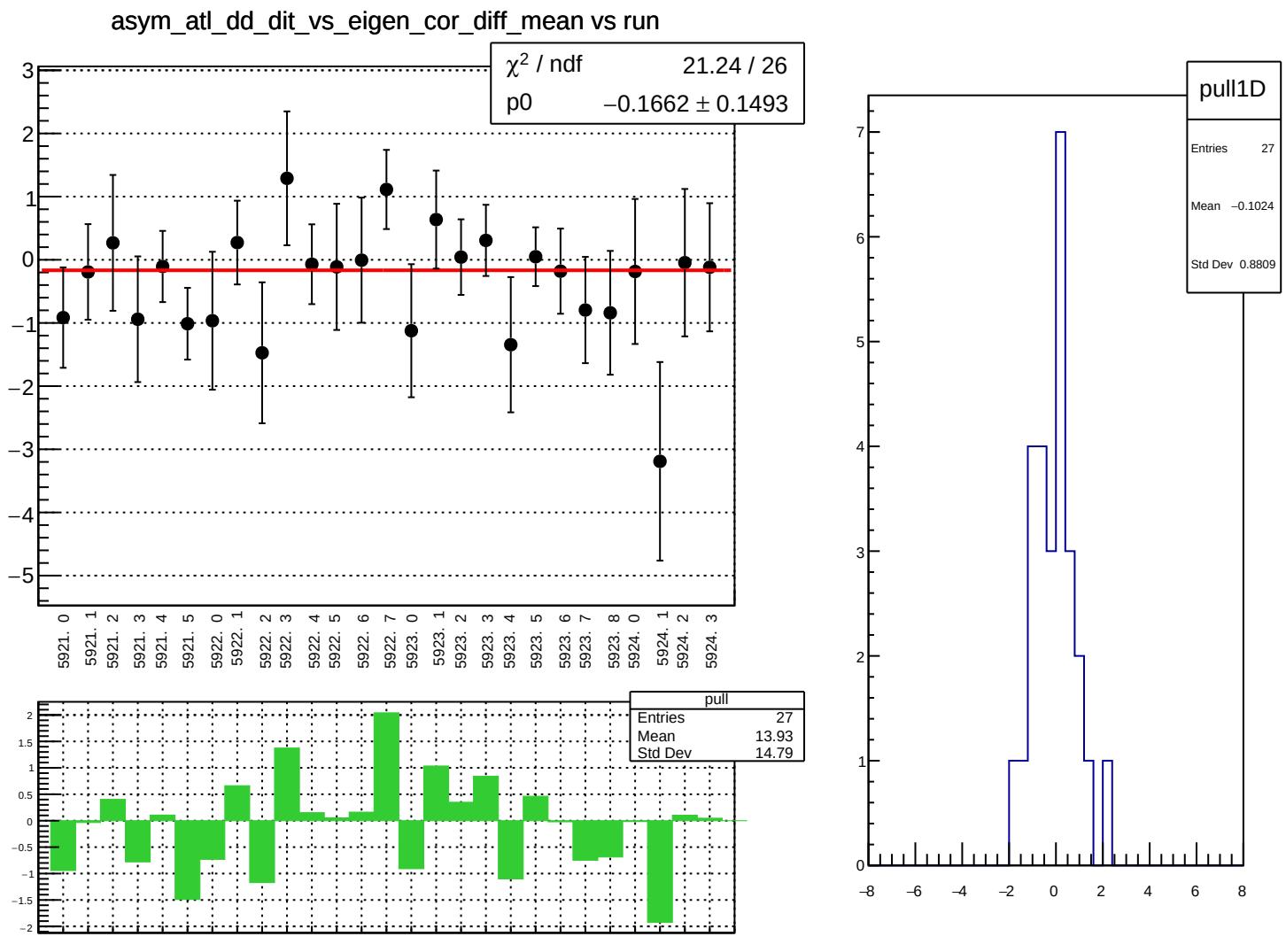

pull1D
Entries 27
Mean 0.07601
Std Dev 1.031
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

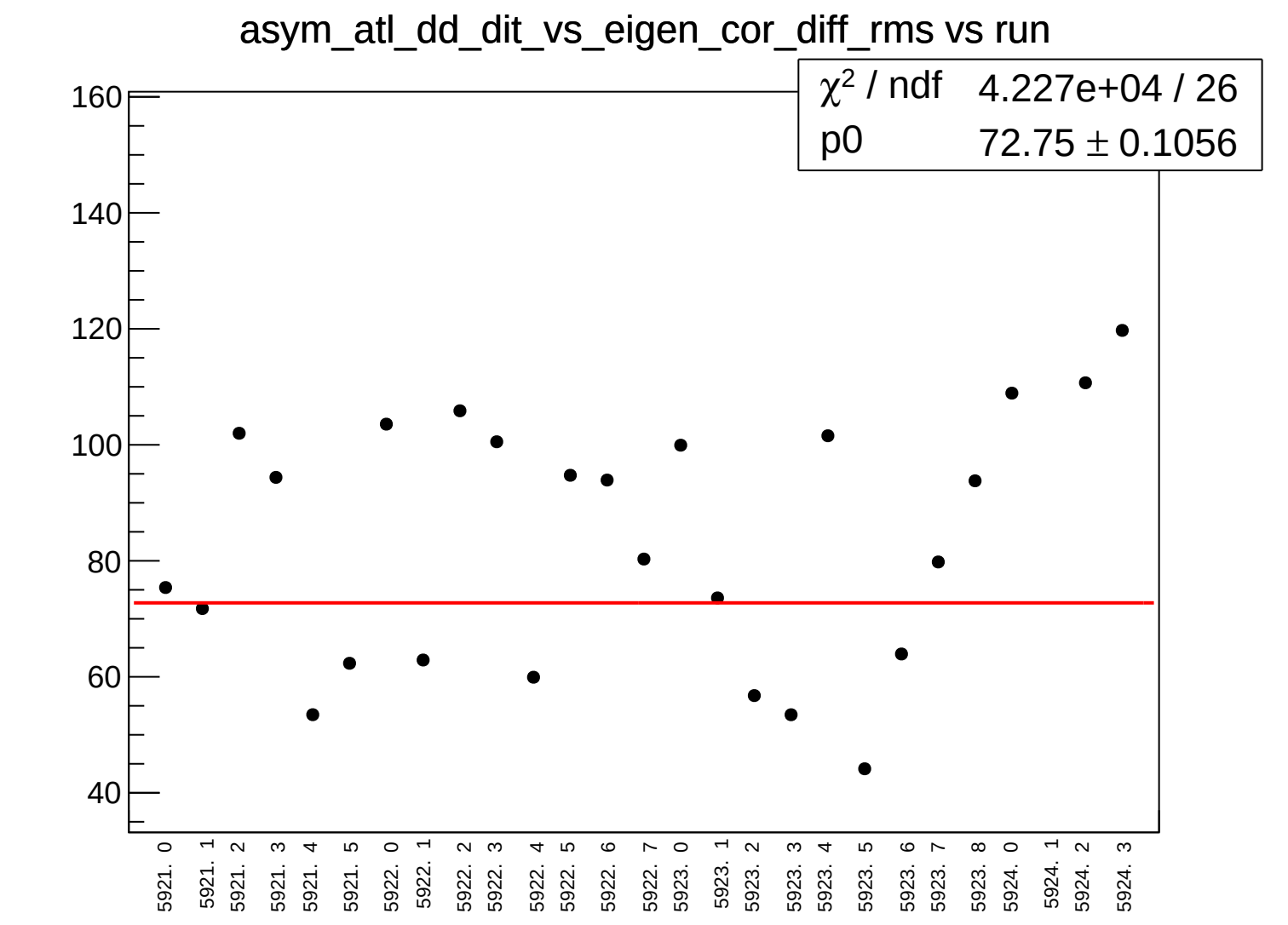

asym_atl_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.496e+05 / 26
p0 1.254e−10 ± 3.065e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

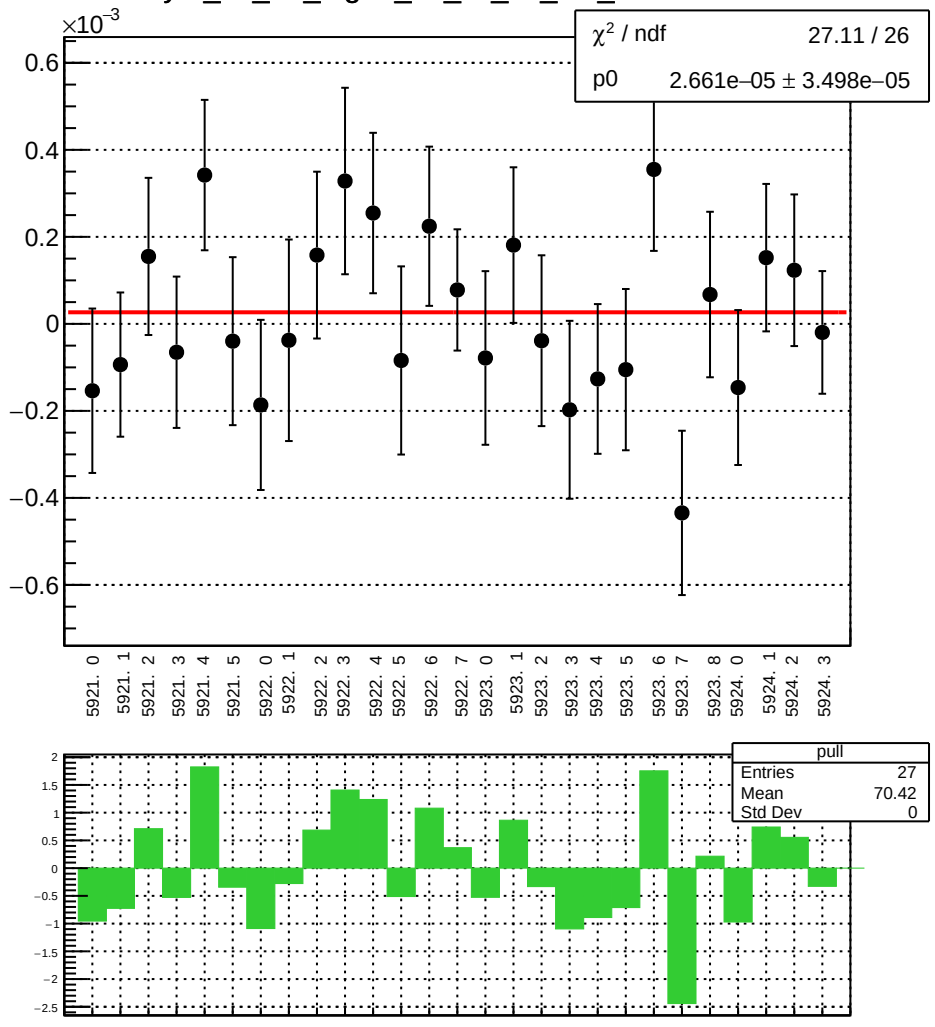

asym_atl_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 21.24 / 26
p0 −0.1662 ± 0.1493
3
2
1
0
−1
−2
−3
−4
−5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 13.93
Std Dev 14.79
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

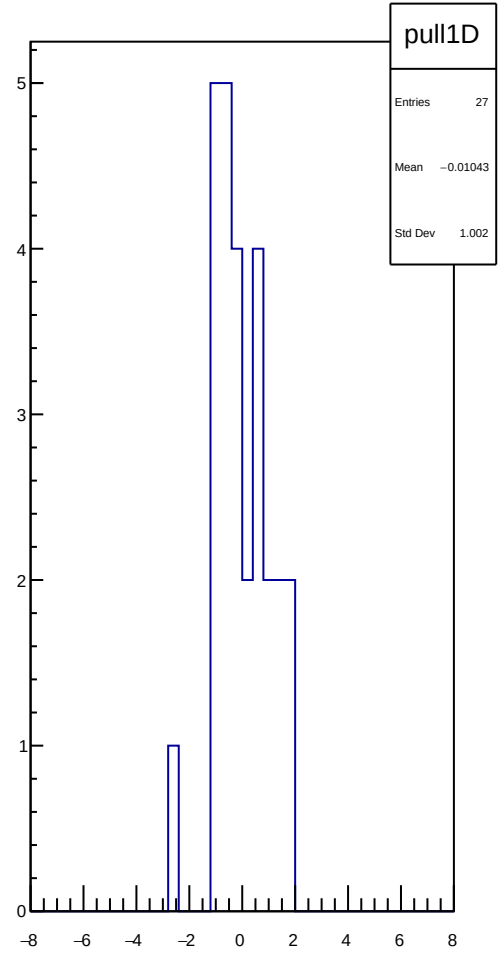

pull1D
Entries 27
Mean −0.1024
Std Dev 0.8809
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

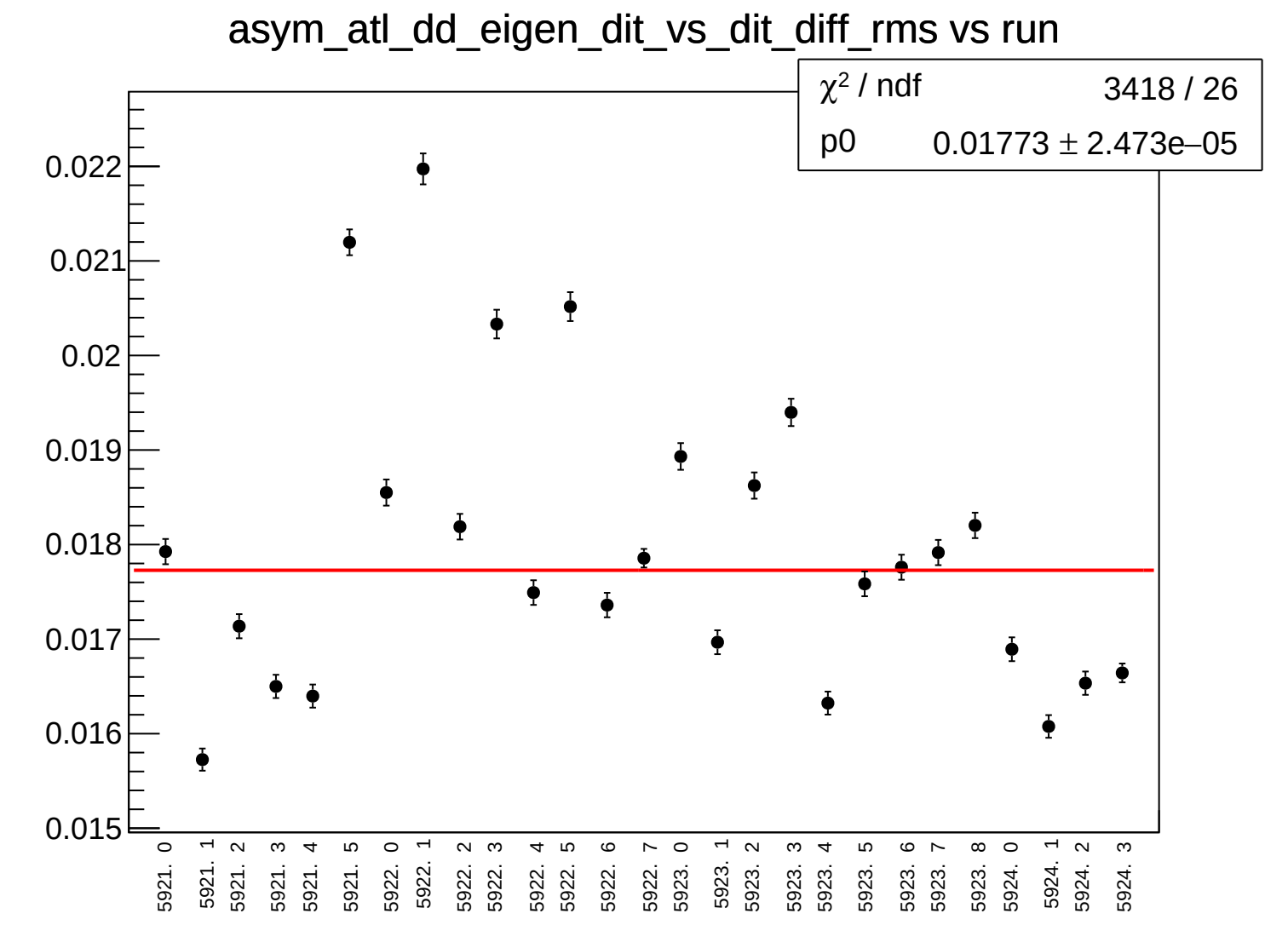

asym_atl_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 4.227e+04 / 26
p0 72.75 ± 0.1056
160
140
120
100
80
60
40
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

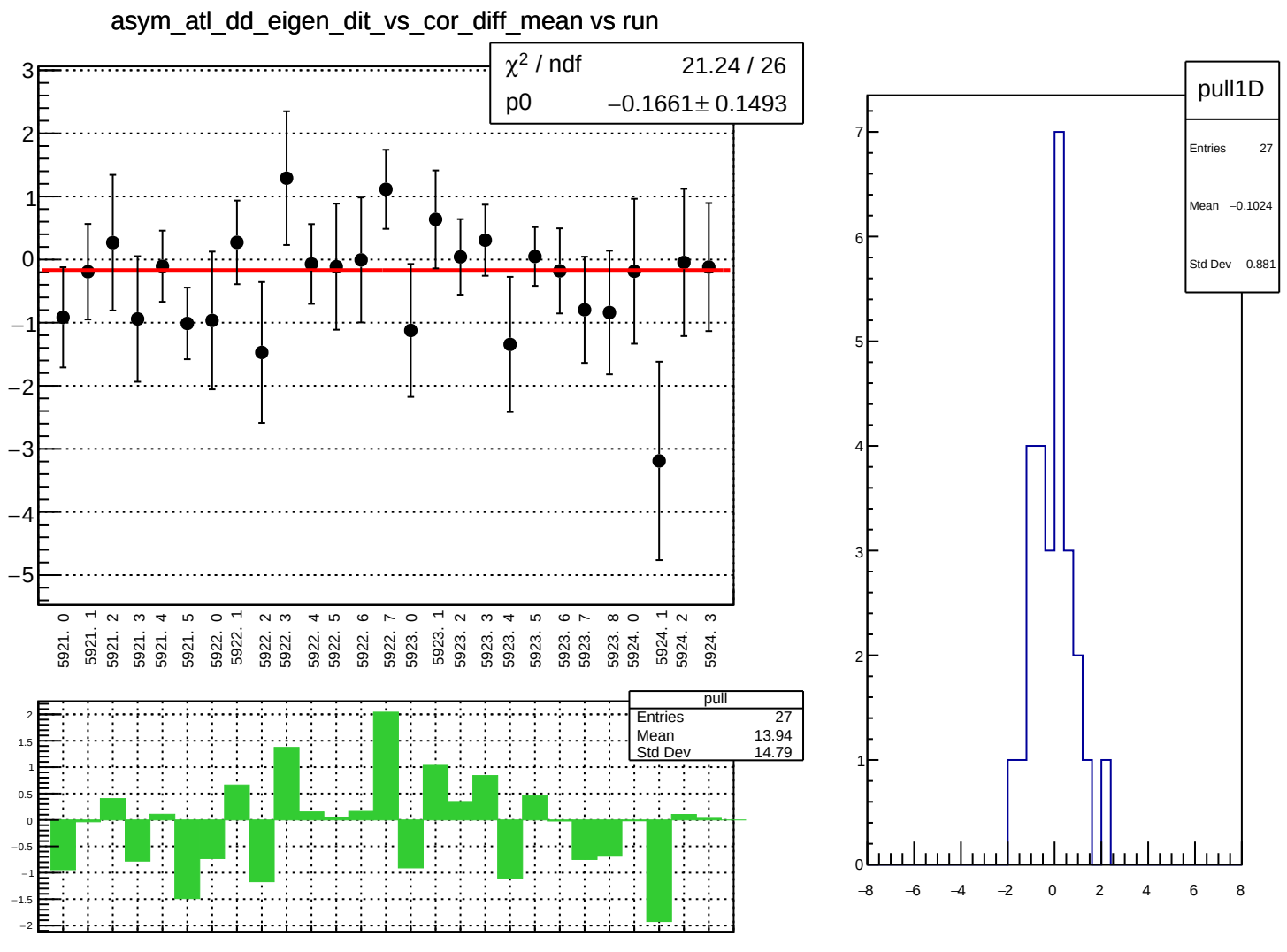

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 21.24 / 26
p0 −0.1662 ± 0.1493
pull
Entries 27
Mean 13.93
Std Dev 14.79
pull1D
Entries 27
Mean −0.1024
Std Dev 0.8809

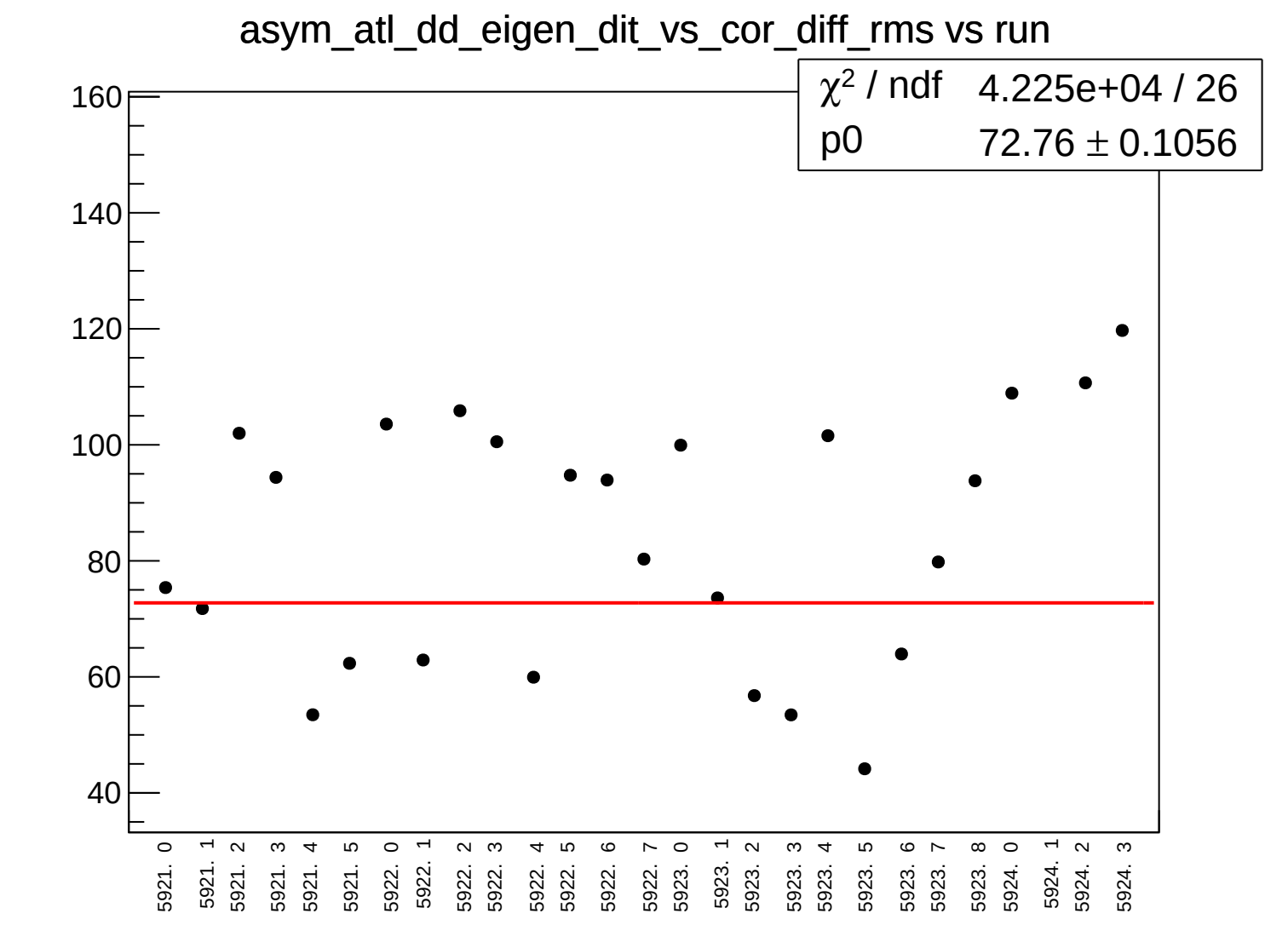

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.227e+04 / 26
p0 72.75 ± 0.1056
160
140
120
100
80
60
40
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

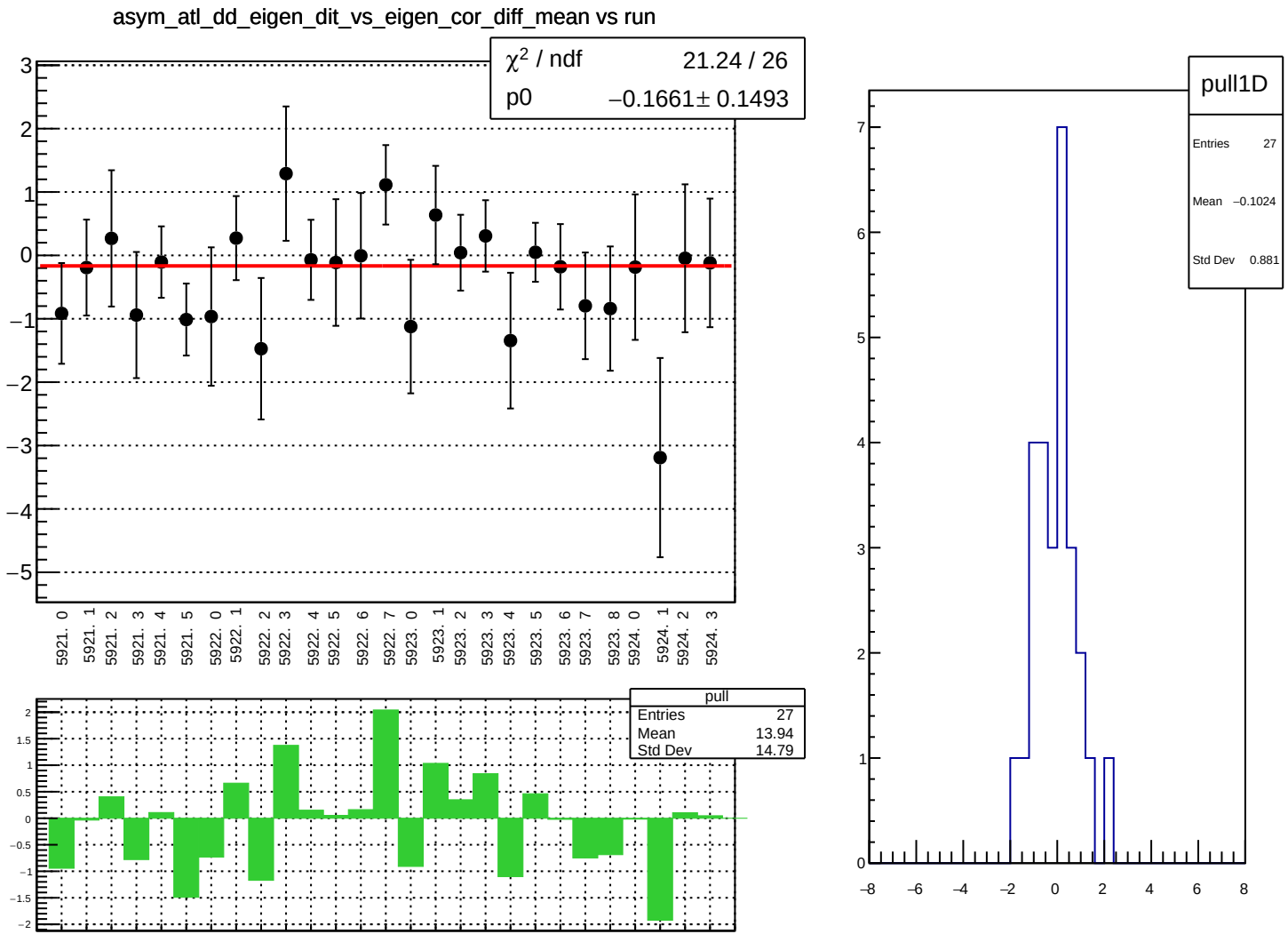

asym_atl_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 27.11 / 26
p0 2.661e−05 ± 3.498e−05
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 70.42
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

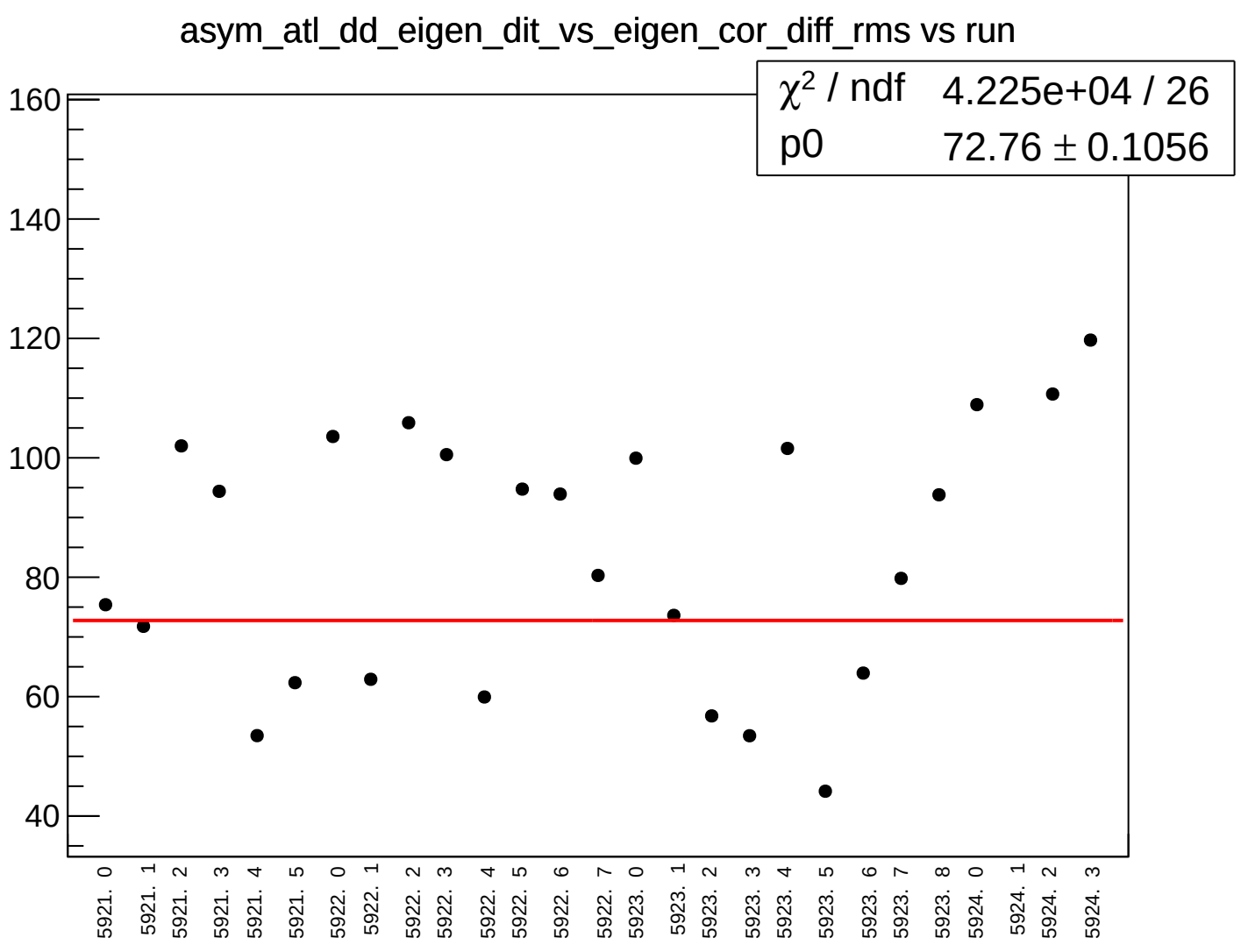

pull1D
Entries 27
Mean −0.01043
Std Dev 1.002
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

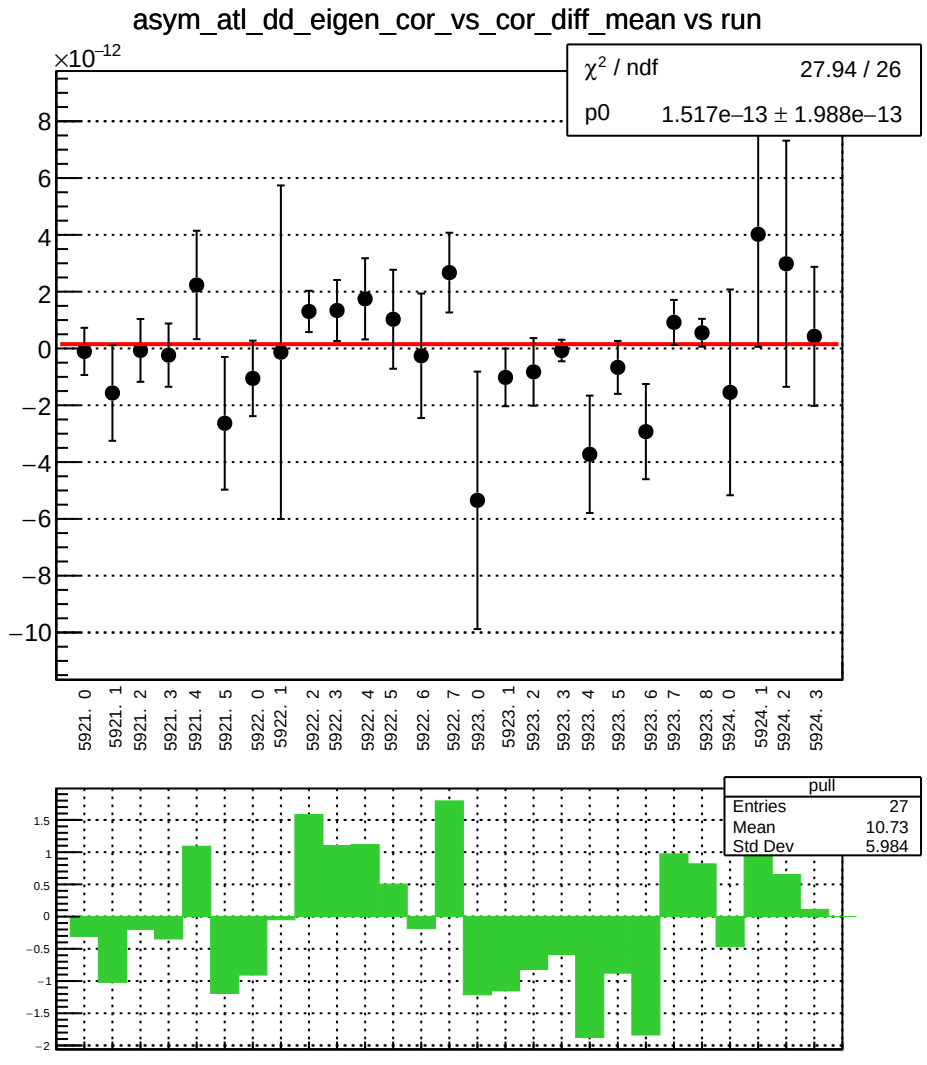

asym_atl_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3418 / 26
p0 0.01773 ± 2.473e–05
0.022
0.021
0.02
0.019
0.018
0.017
0.016
0.015
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

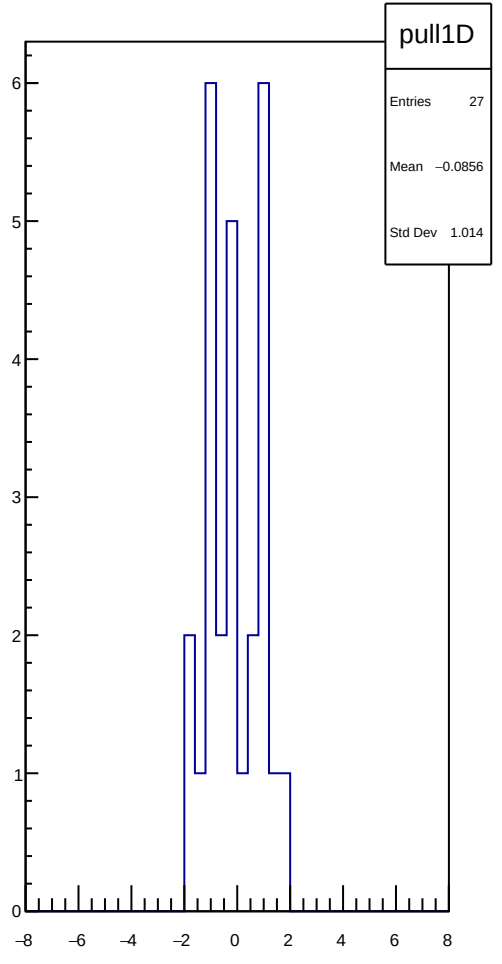

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 21.24 / 26
p0 −0.1661± 0.1493
pull
Entries 27
Mean 13.94
Std Dev 14.79
pull1D
Entries 27
Mean −0.1024
Std Dev 0.881

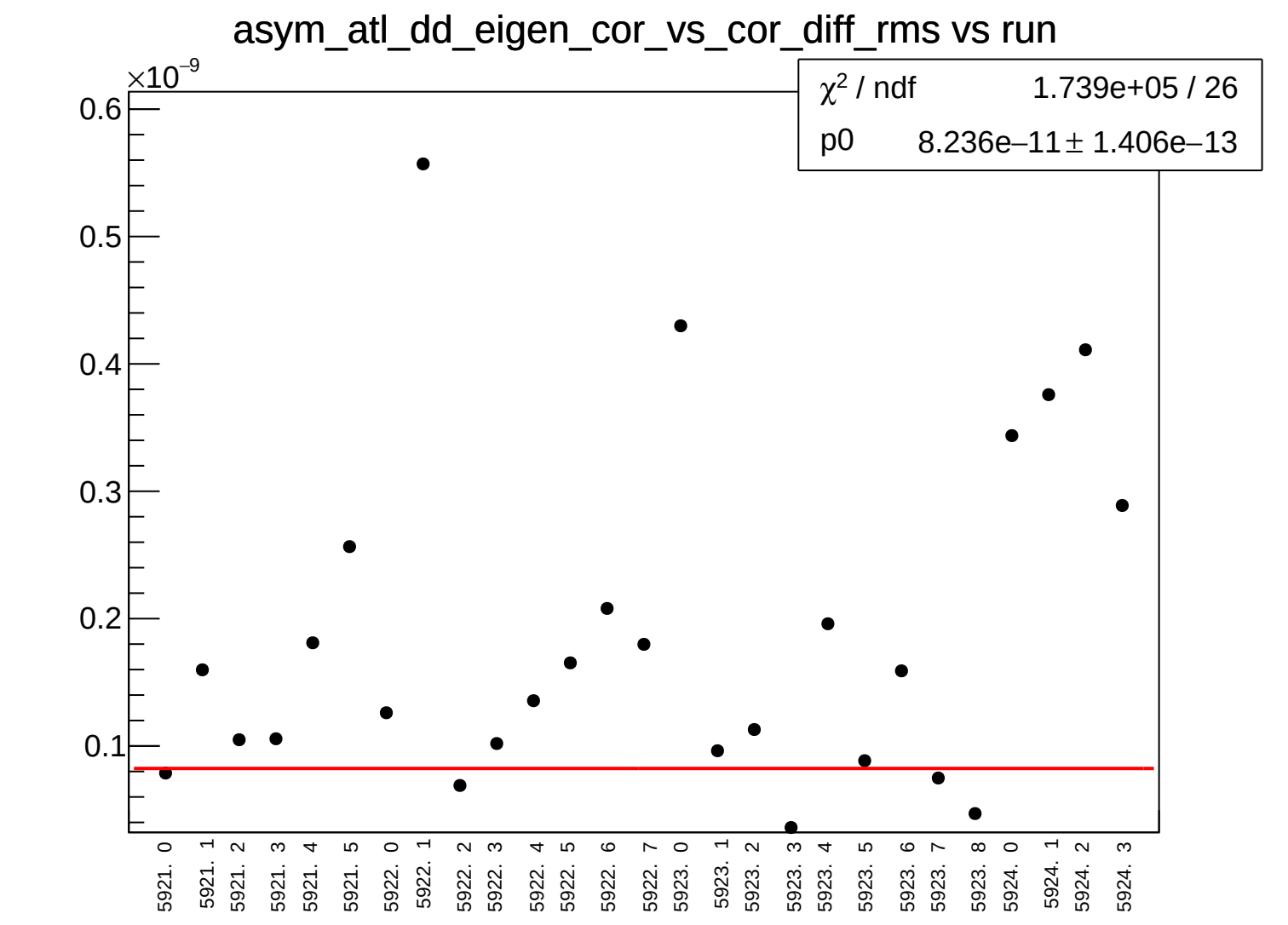

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.225e+04 / 26
p0 72.76 ± 0.1056
160
140
120
100
80
60
40
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

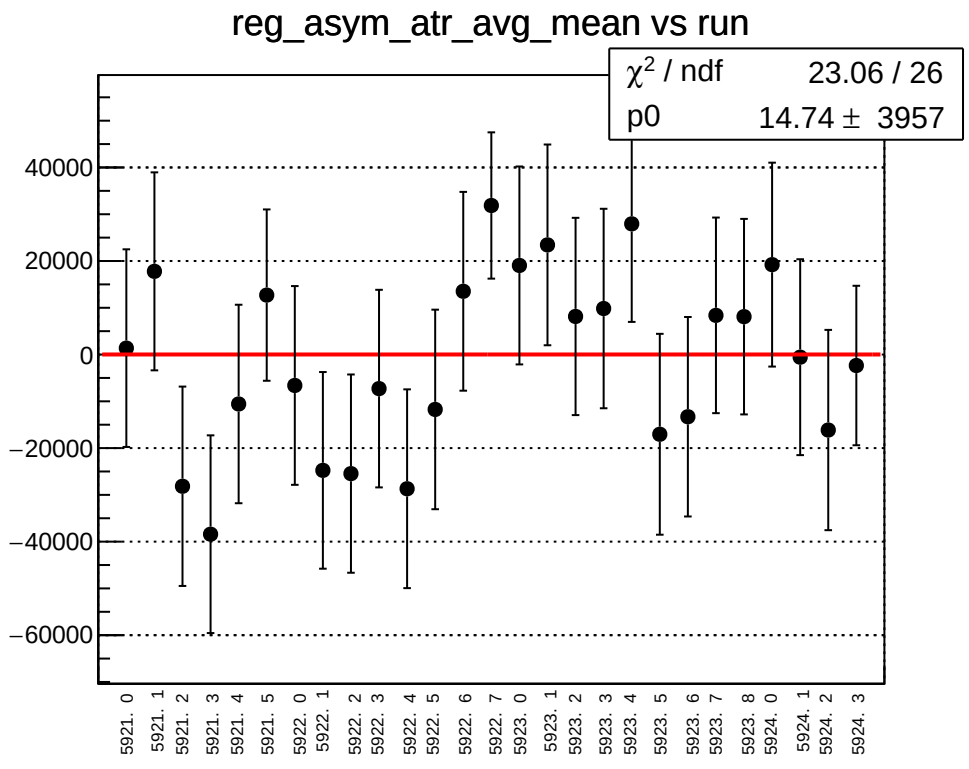

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 21.24 / 26
p0 −0.1661± 0.1493
pull
Entries 27
Mean 13.94
Std Dev 14.79
pull1D
Entries 27
Mean −0.1024
Std Dev 0.881

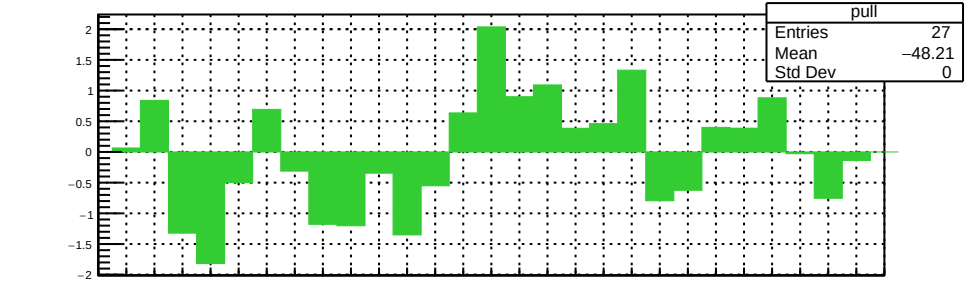

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.225e+04 / 26
p0 72.76 ± 0.1056
160
140
120
100
80
60
40
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

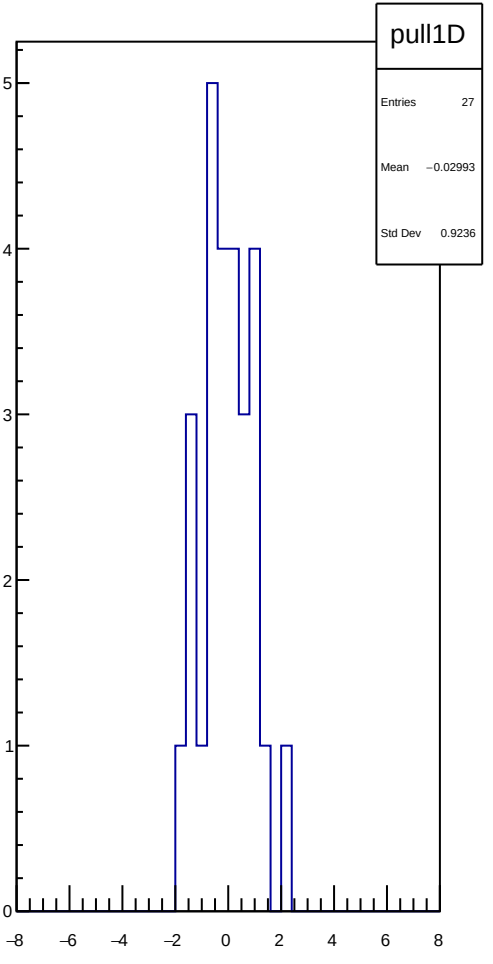

asym_atl_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 27.94 / 26
p0 1.517e−13 ± 1.988e−13
8
6
4
2
0
−2
−4
−6
−8
−10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 10.73
Std Dev 5.984
1.5
1
0.5
0
−0.5
−1
−1.5
−2

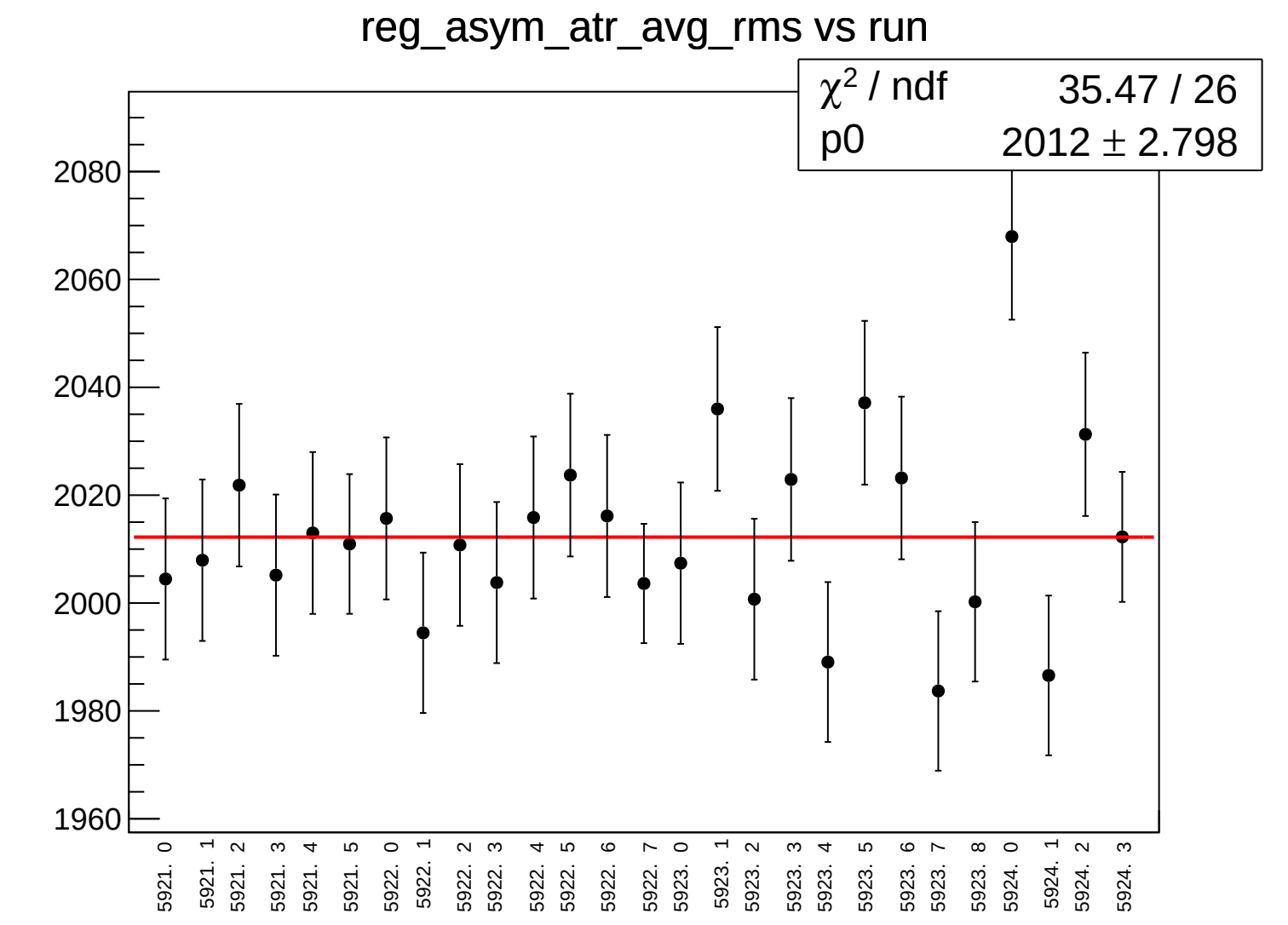

pull1D
Entries 27
Mean −0.0856
Std Dev 1.014
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

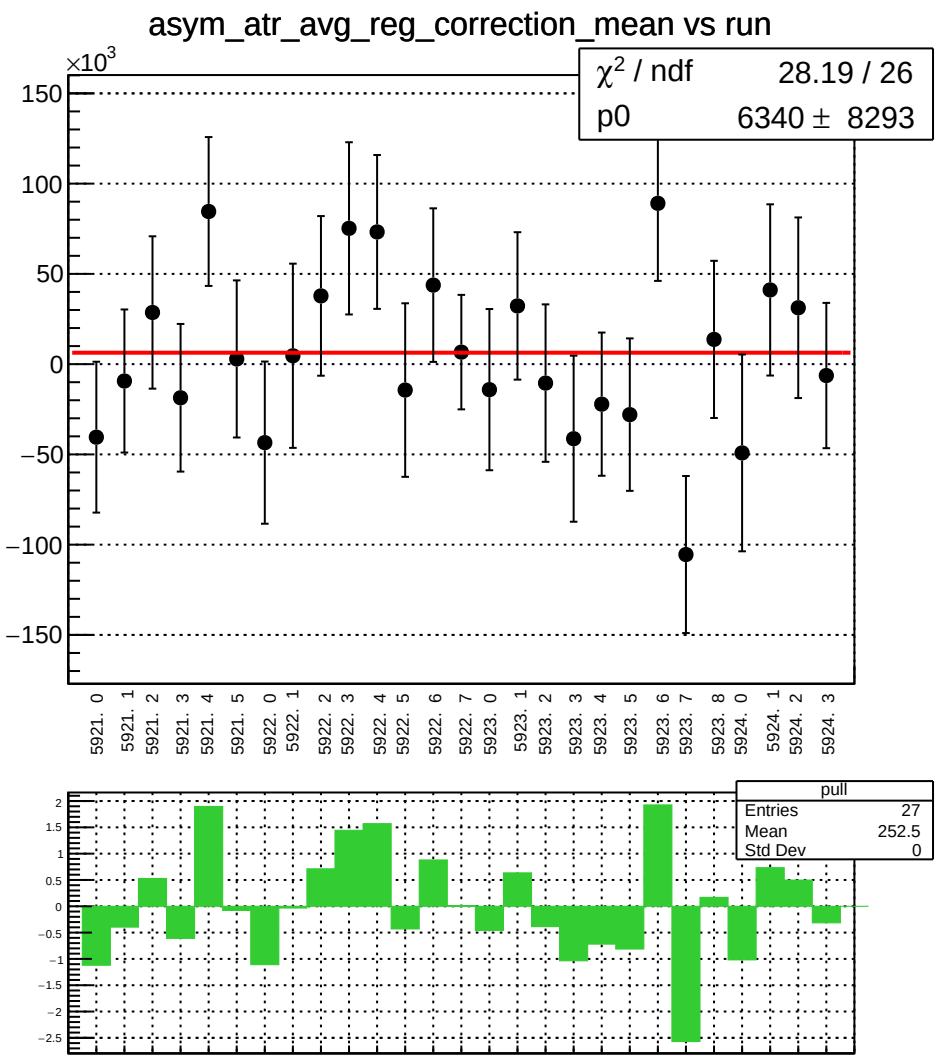

asym_atl_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.739e+05 / 26
p0 8.236e−11 ± 1.406e−13
0.6
0.5
0.4
0.3
0.2
0.1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

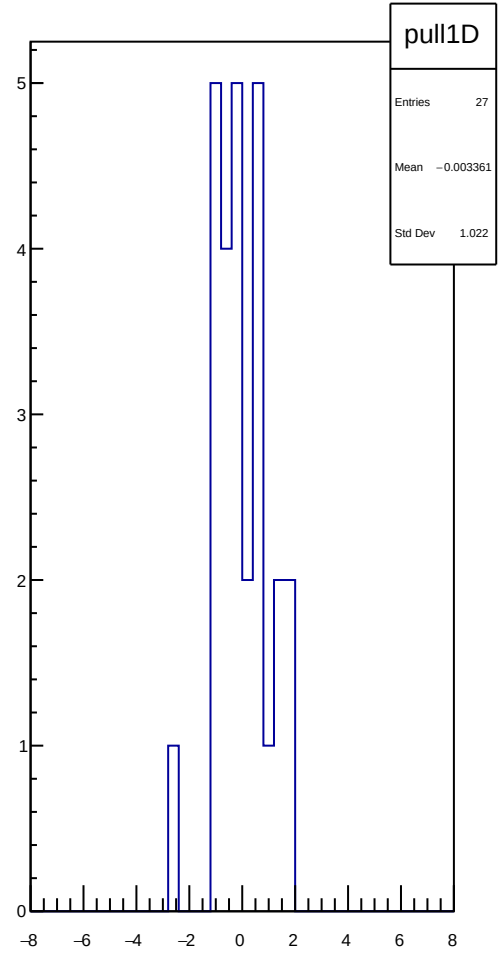

reg_asym_atr_avg_mean vs run
χ² / ndf 23.06 / 26
p0 14.74 ± 3957
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

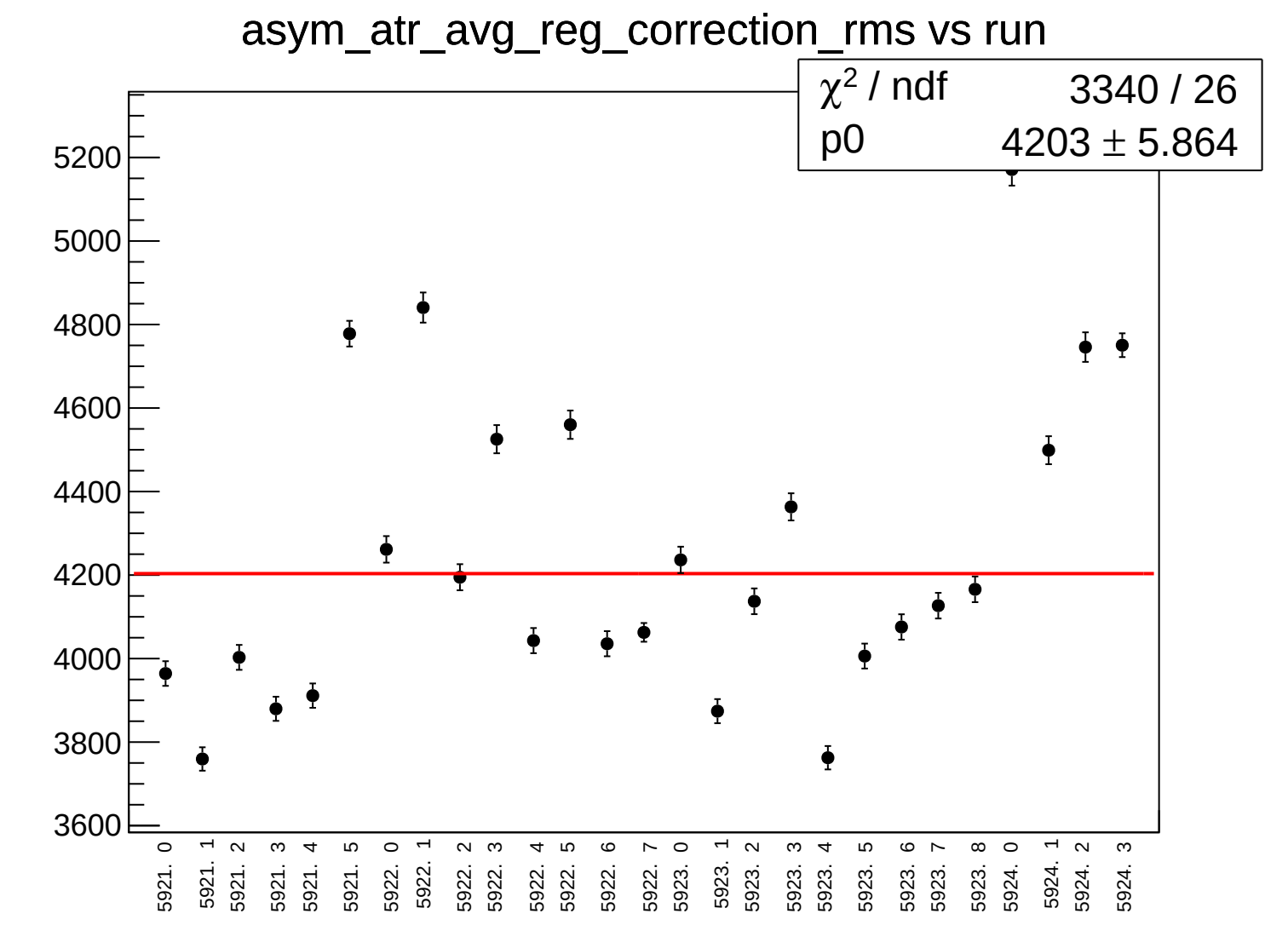

pull
Entries 27
Mean −48.21
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

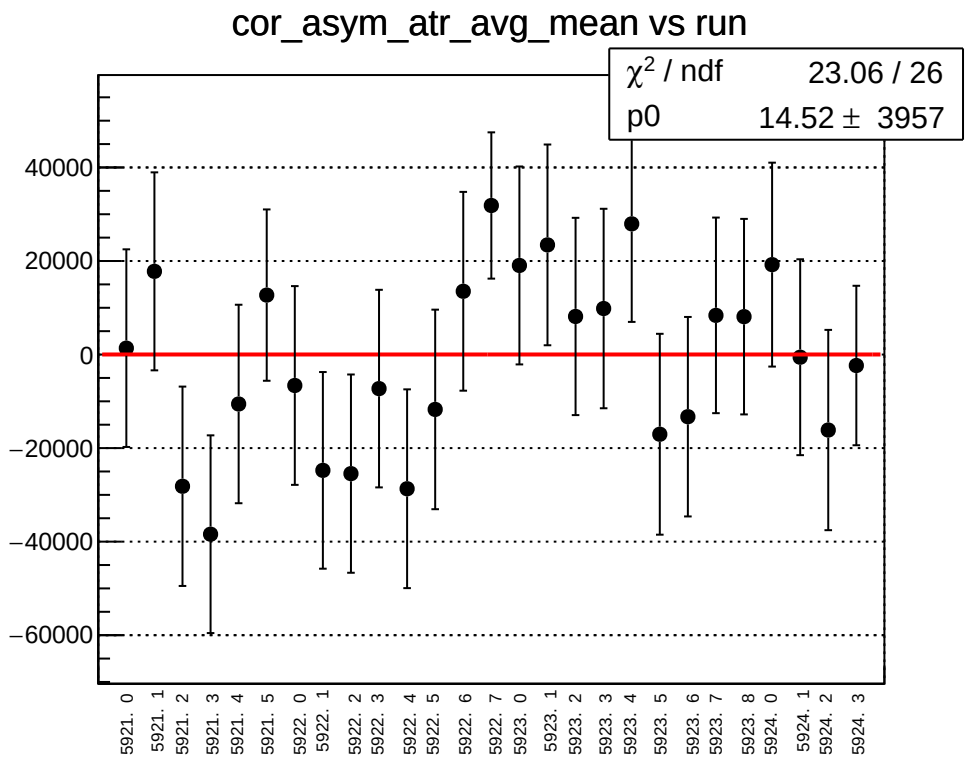

pull1D
Entries 27
Mean −0.02993
Std Dev 0.9236
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

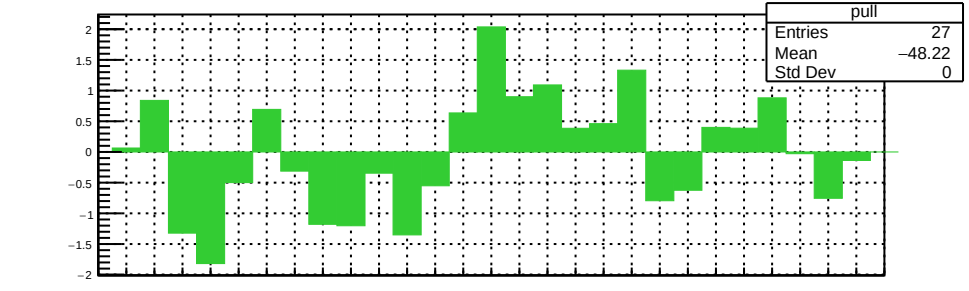

reg_asym_atr_avg_rms vs run
χ² / ndf 35.47 / 26
p0 2012 ± 2.798
2080
2060
2040
2020
2000
1980
1960
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

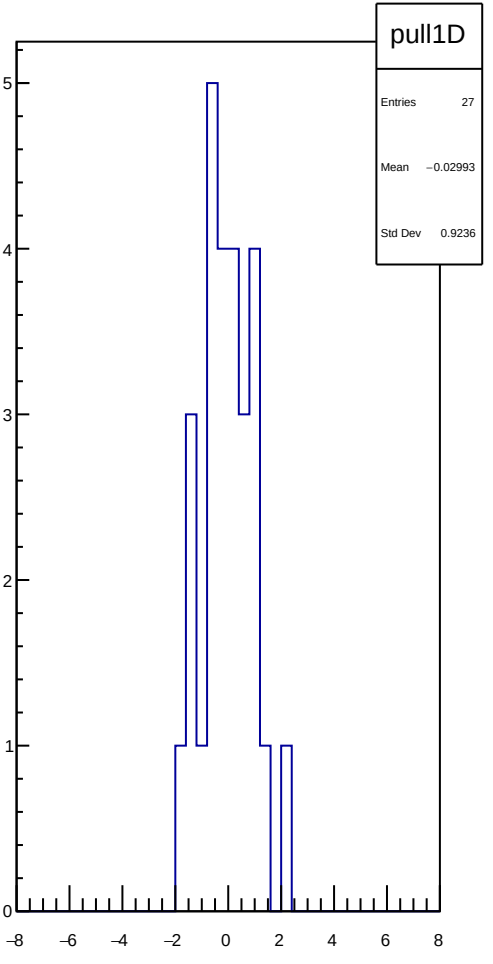

asym_atr_avg_reg_correction_mean vs run
×10^3
χ² / ndf 28.19 / 26
p0 6340 ± 8293
150
100
50
0
−50
−100
−150
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 252.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

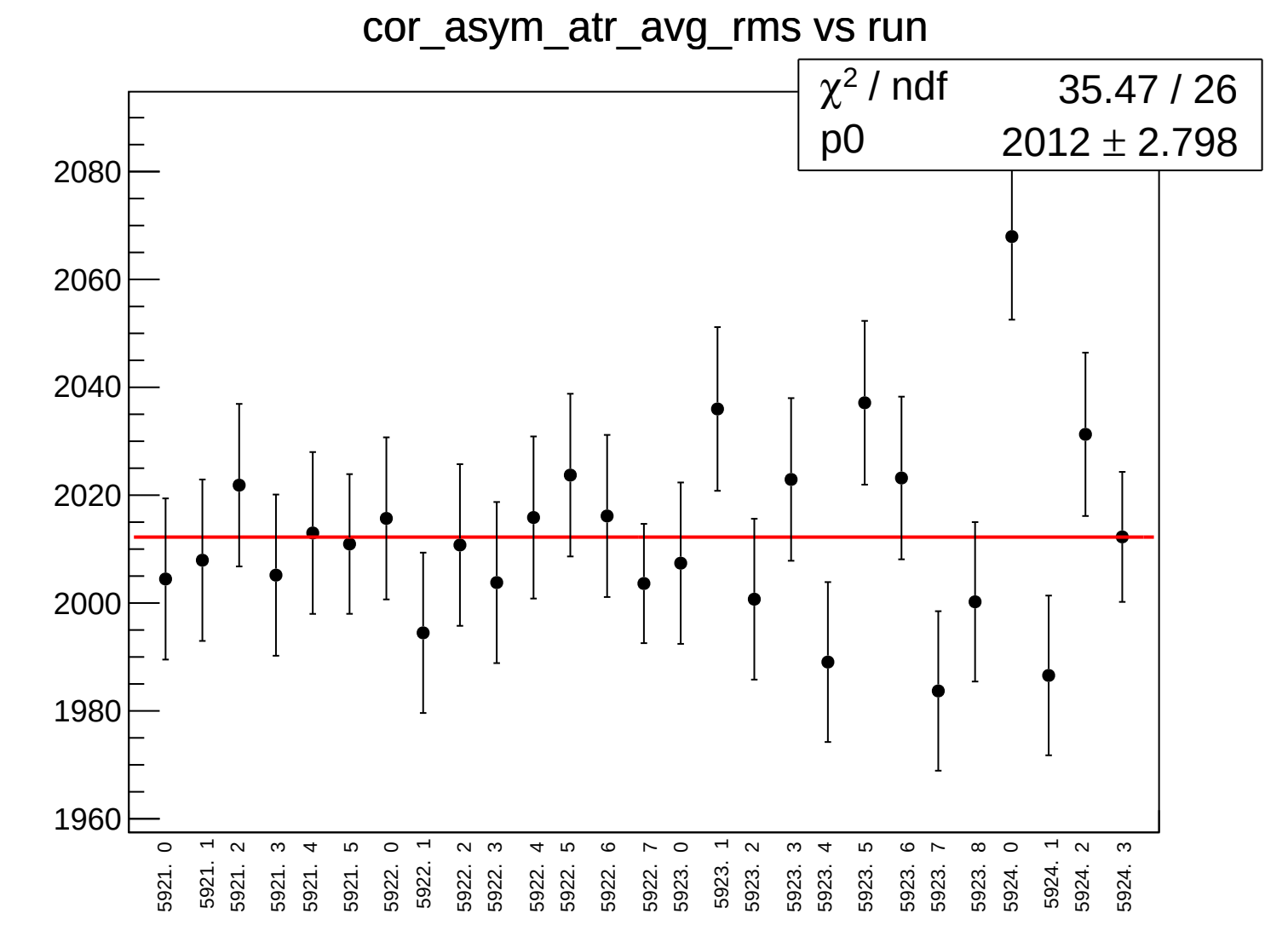

pull1D
Entries 27
Mean −0.003361
Std Dev 1.022
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

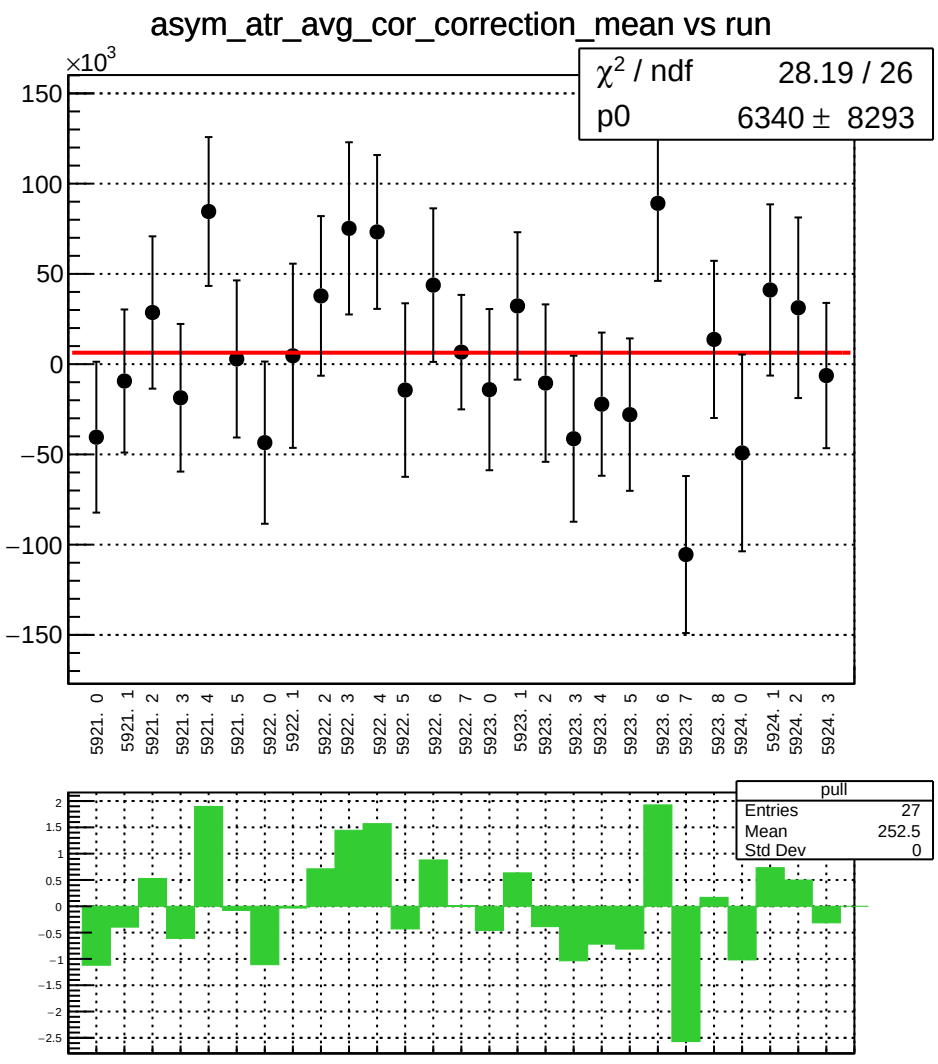

asym_atr_avg_reg_correction_rms vs run
χ² / ndf 3340 / 26
p0 4203 ± 5.864
5200
5000
4800
4600
4400
4200
4000
3800
3600
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

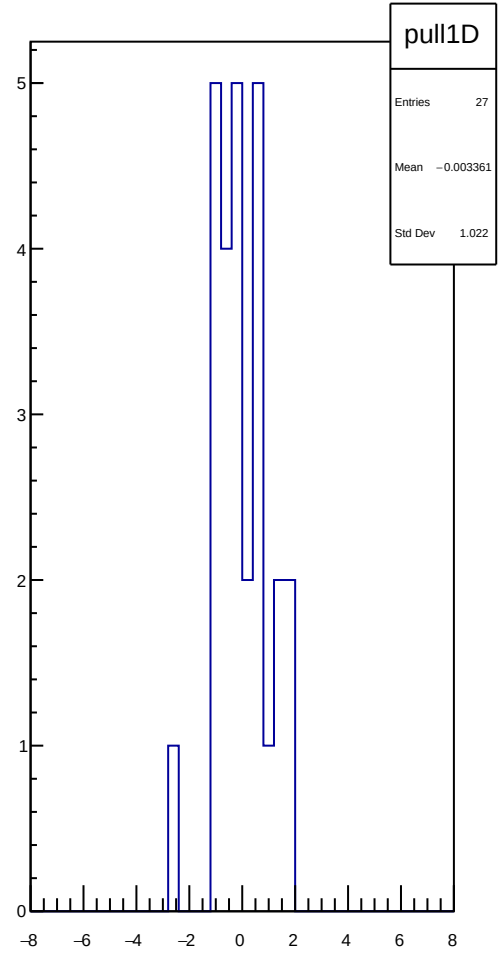

cor_asym_atr_avg_mean vs run
χ² / ndf 23.06 / 26
p0 14.52 ± 3957
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

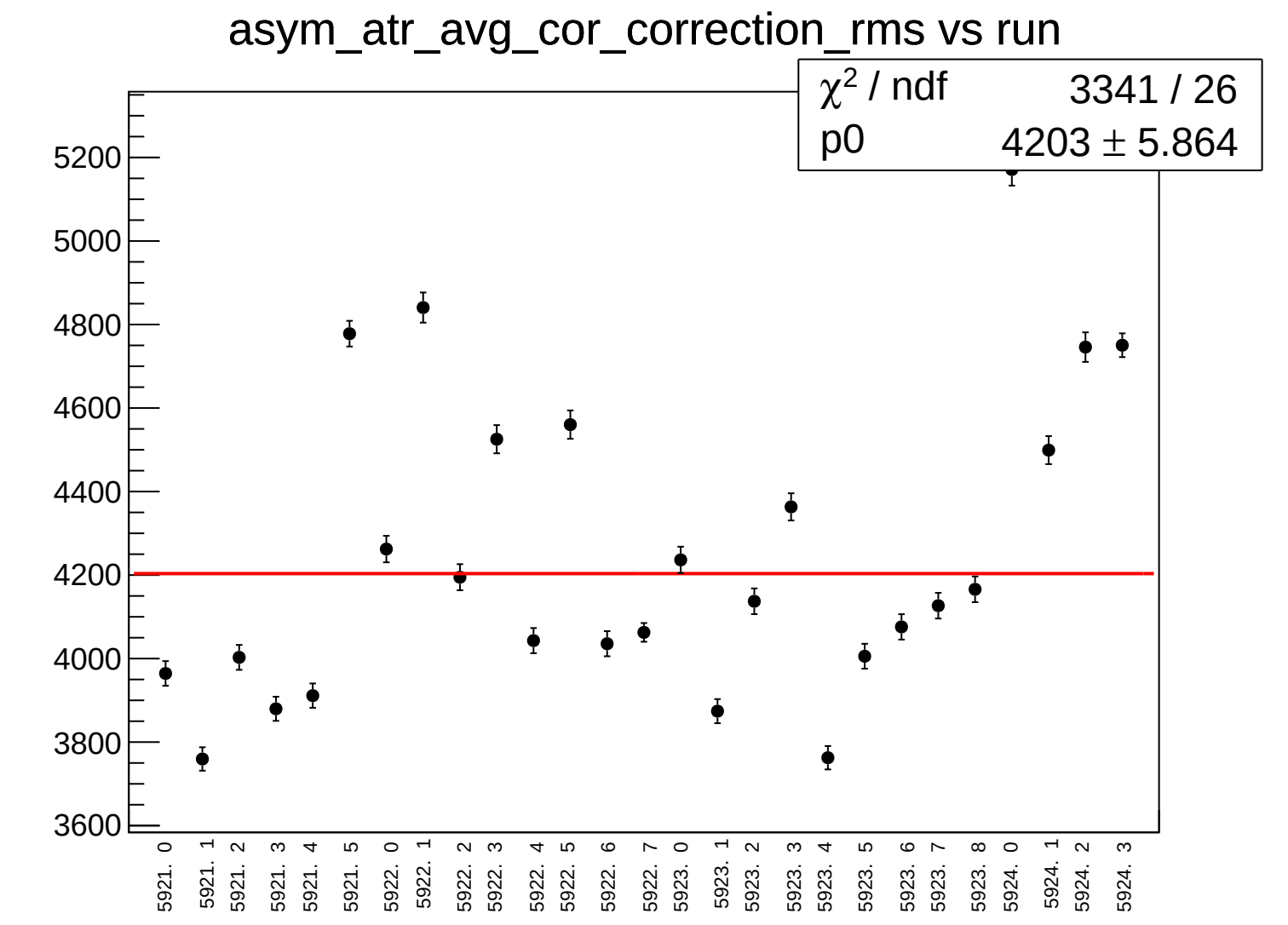

pull
Entries 27
Mean −48.22
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

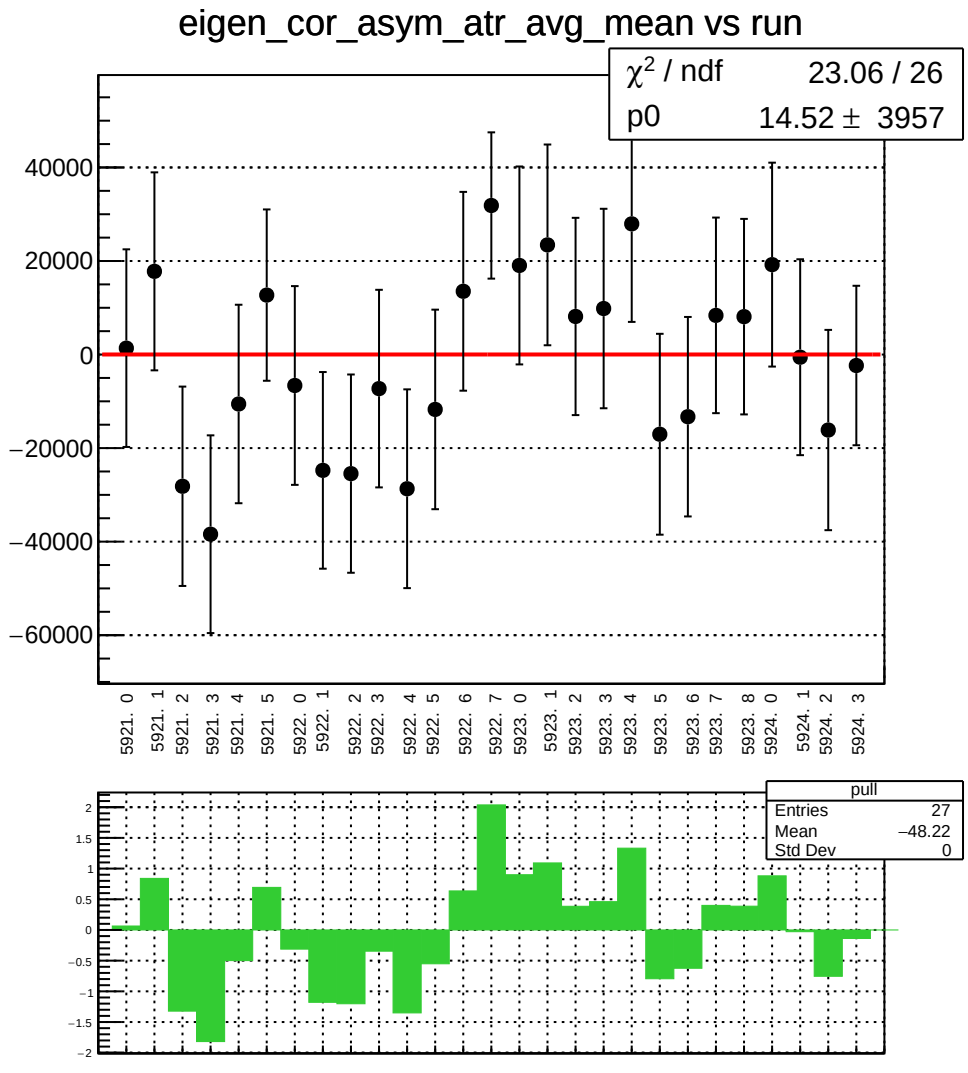

pull1D
Entries 27
Mean −0.02993
Std Dev 0.9236
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

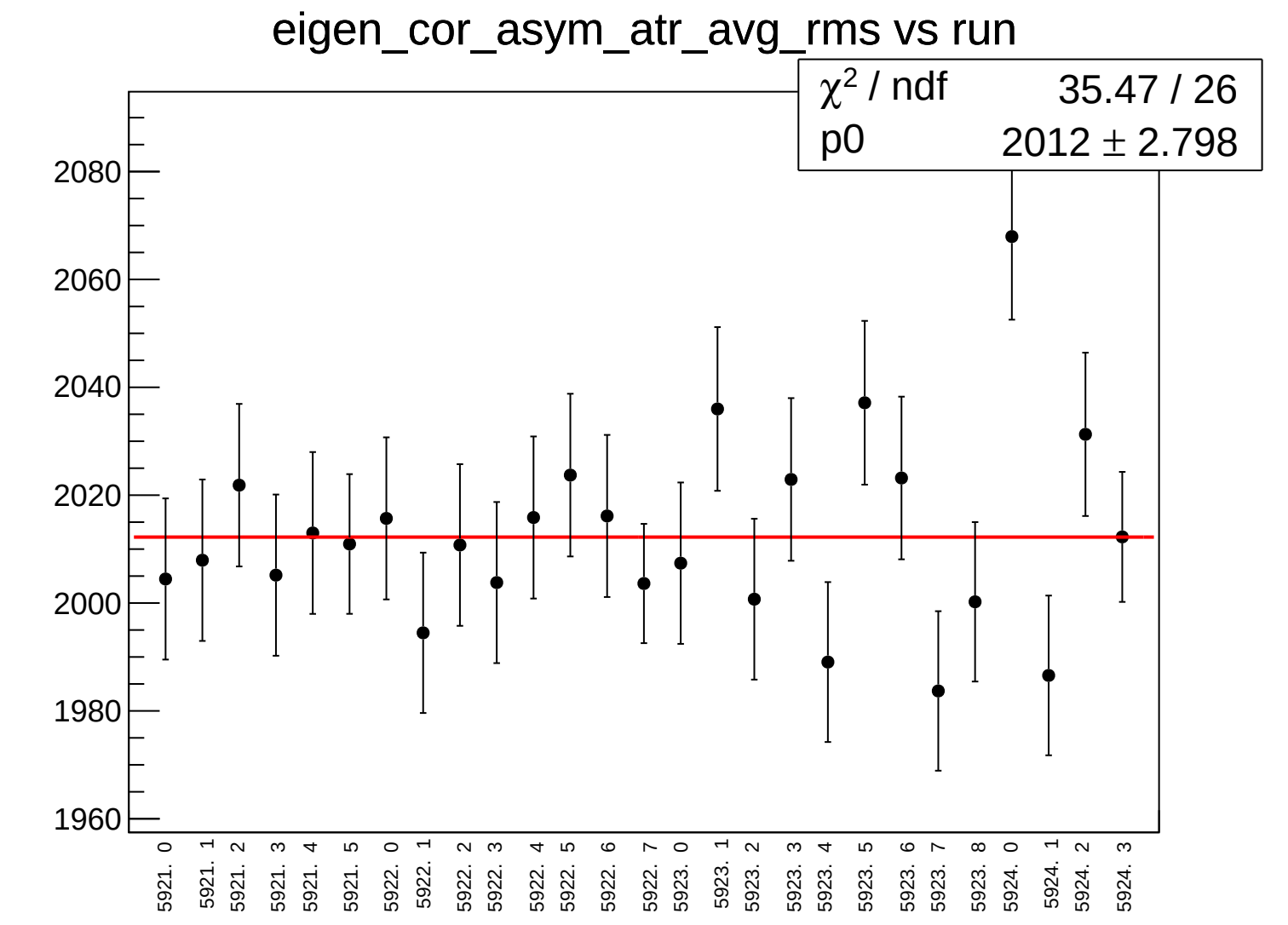

cor_asym_atr_avg_rms vs run
χ² / ndf 35.47 / 26
p0 2012 ± 2.798
2080
2060
2040
2020
2000
1980
1960
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

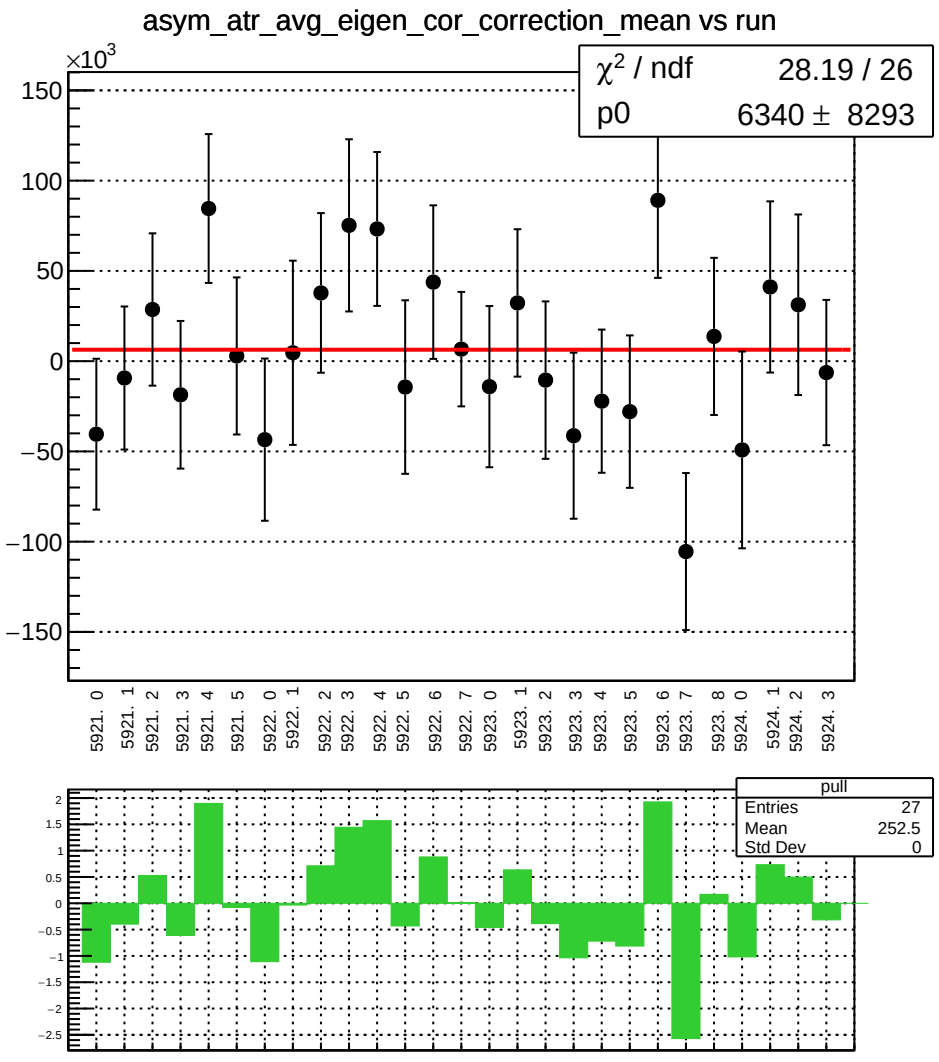

asym_atr_avg_cor_correction_mean vs run
×10^3
χ² / ndf 28.19 / 26
p0 6340 ± 8293
150
100
50
0
−50
−100
−150
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 252.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

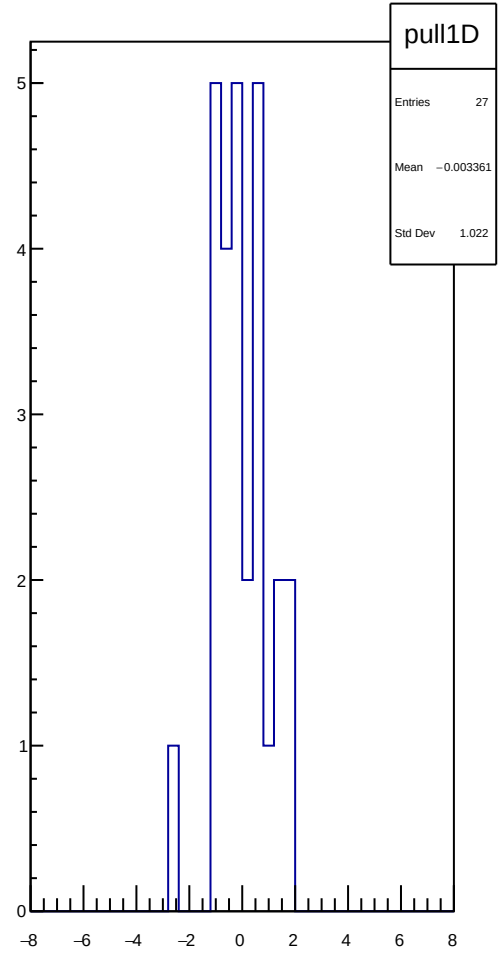

pull1D
Entries 27
Mean −0.003361
Std Dev 1.022
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

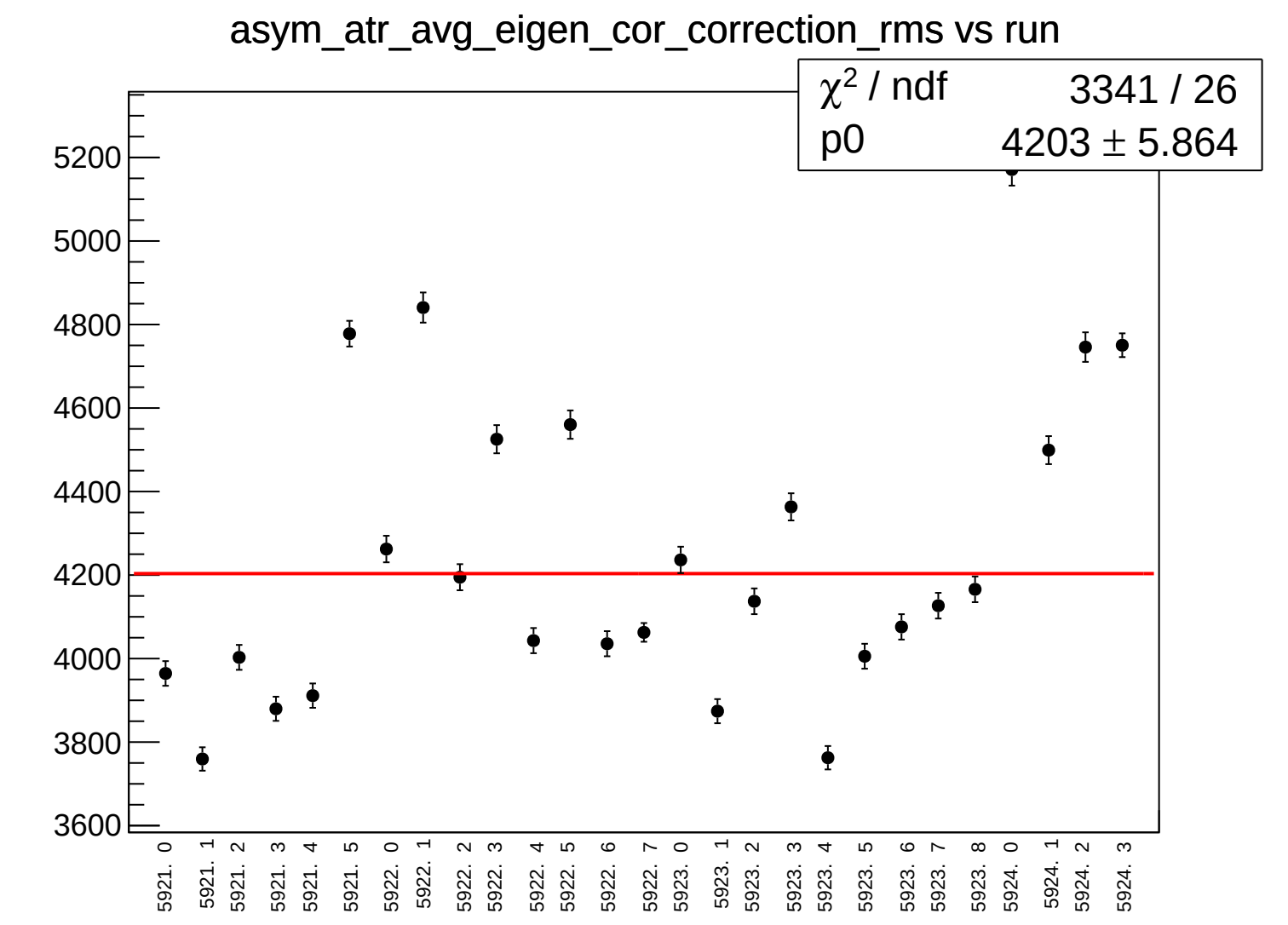

asym_atr_avg_cor_correction_rms vs run
χ² / ndf 3341 / 26
p0 4203 ± 5.864
5200
5000
4800
4600
4400
4200
4000
3800
3600
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

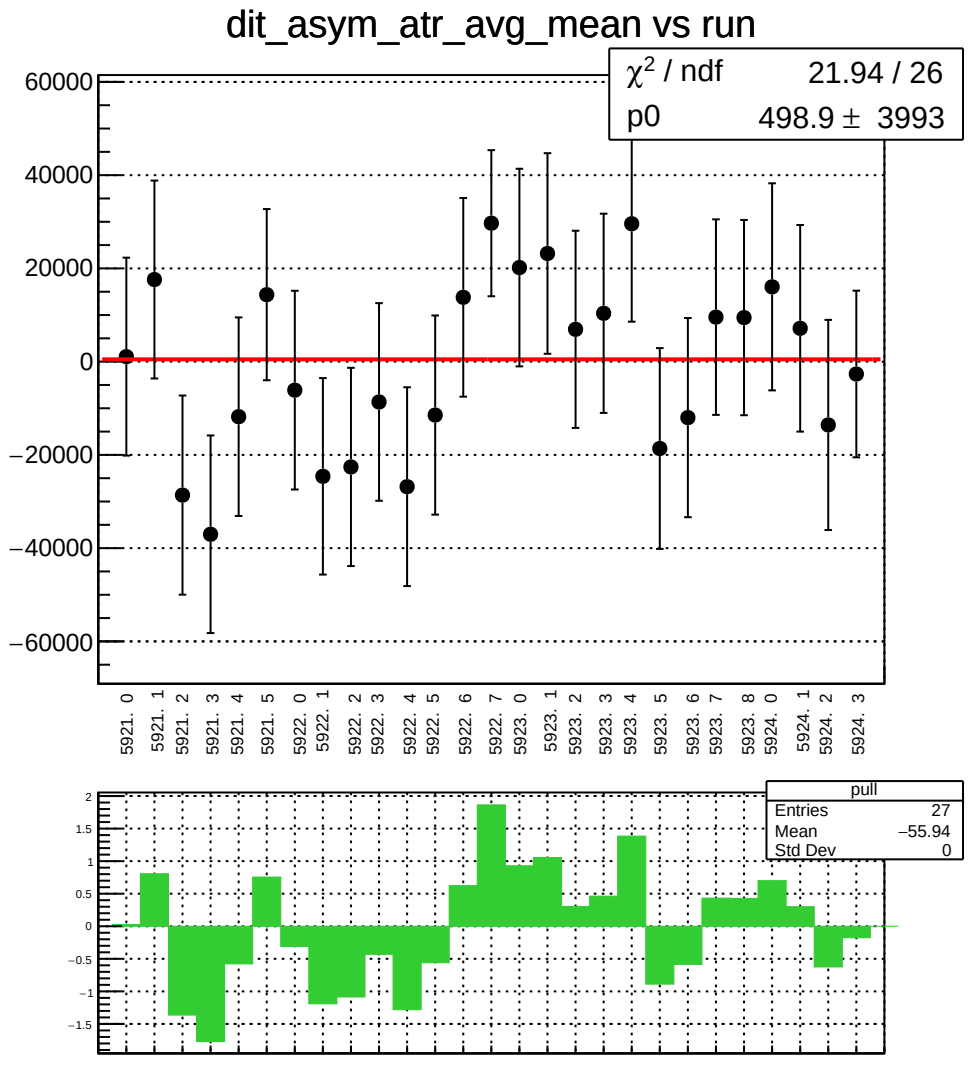

eigen_cor_asym_atr_avg_mean vs run
χ² / ndf 23.06 / 26
p0 14.52 ± 3957
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −48.22
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.02993
Std Dev 0.9236
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

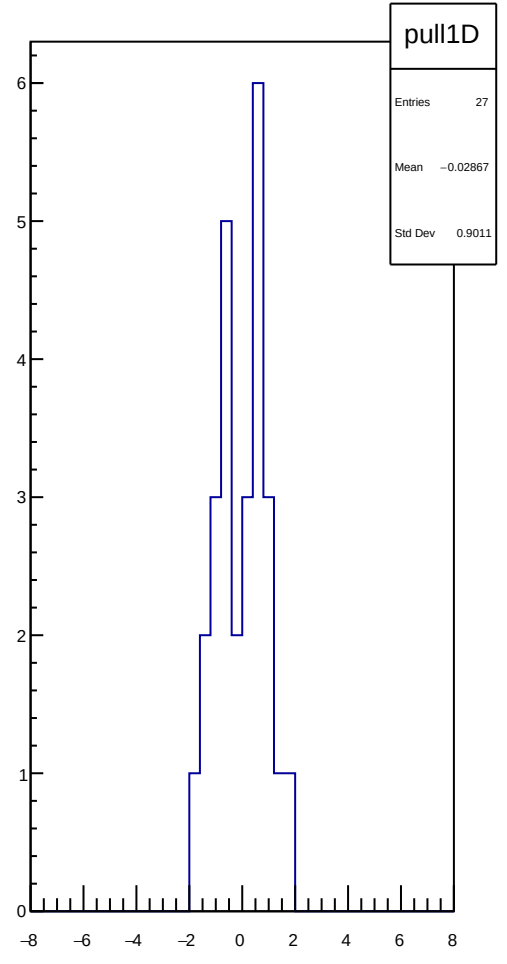

eigen_cor_asym_atr_avg_rms vs run
χ² / ndf 35.47 / 26
p0 2012 ± 2.798
2080
2060
2040
2020
2000
1980
1960
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

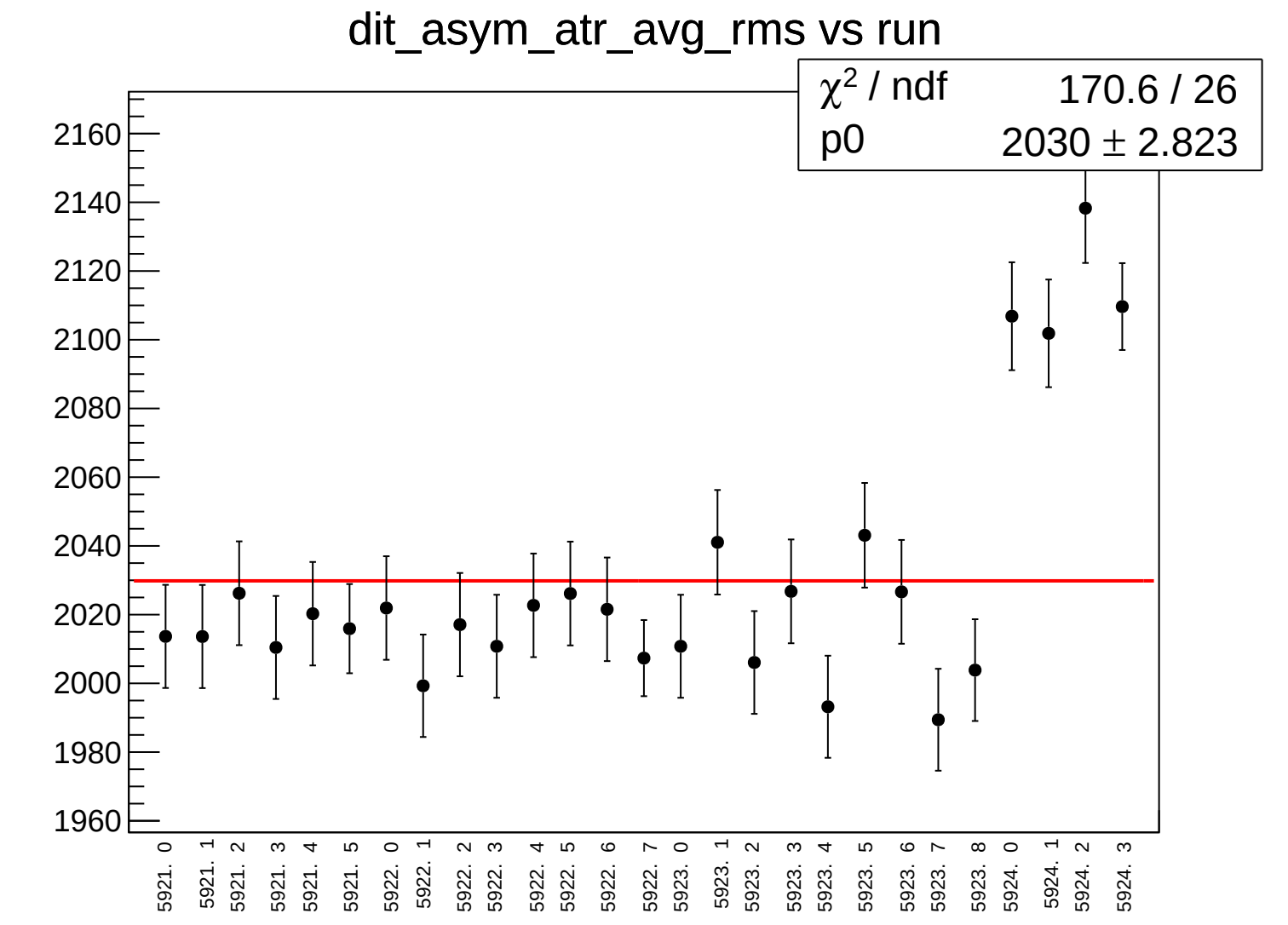

asym_atr_avg_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 28.19 / 26
p0 6340 ± 8293
150
100
50
0
−50
−100
−150
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 252.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

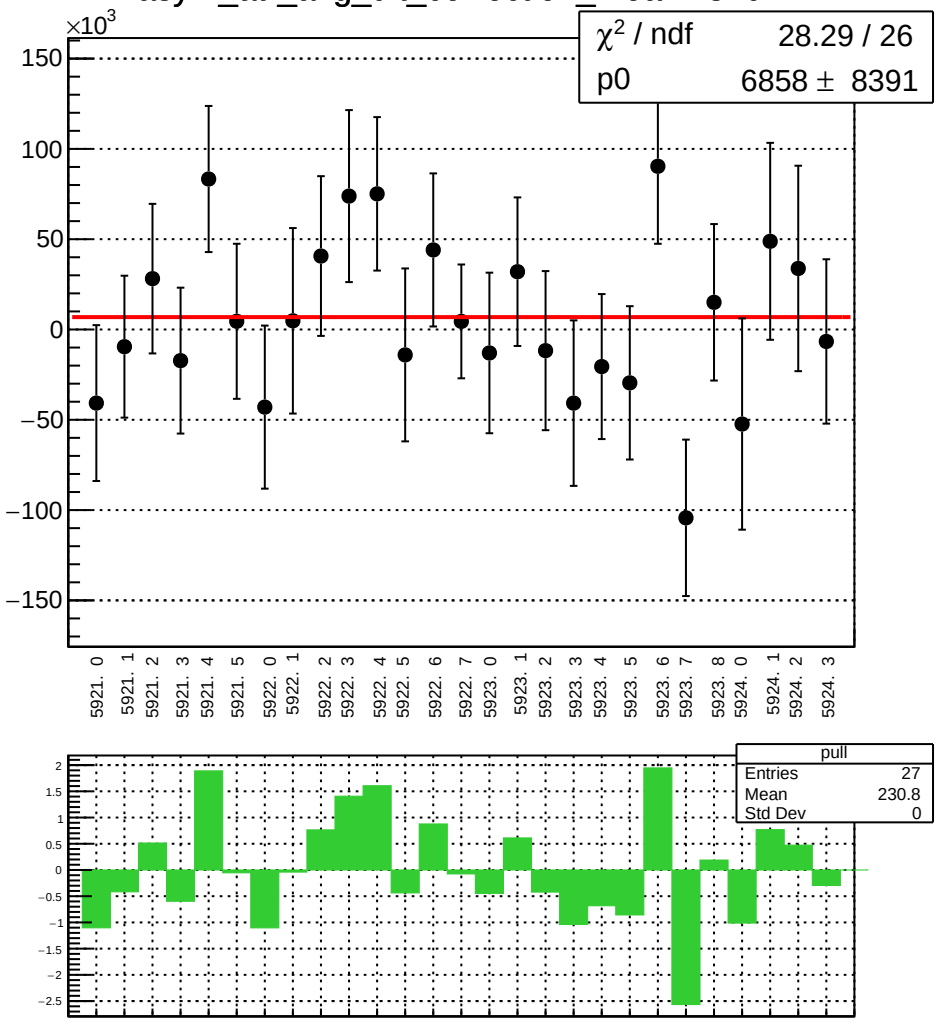

pull1D
Entries 27
Mean −0.003361
Std Dev 1.022
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

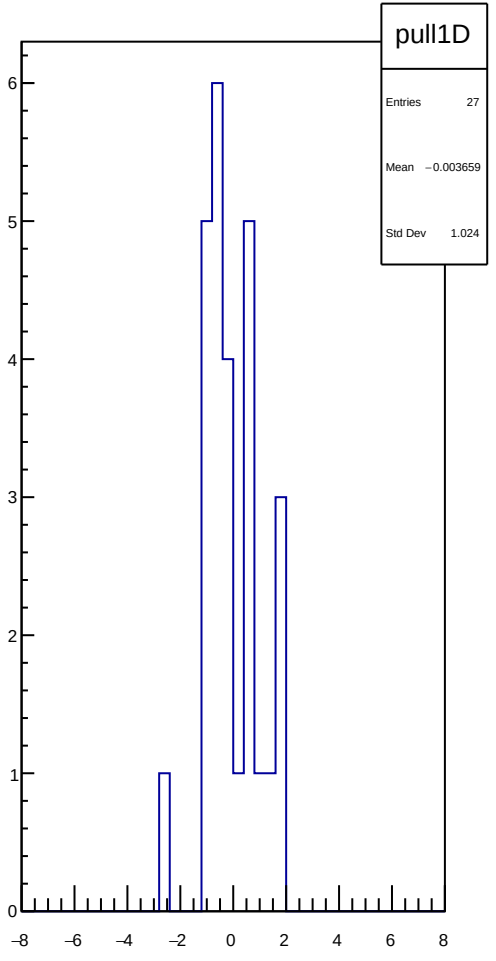

asym_atr_avg_eigen_cor_correction_rms vs run
χ² / ndf 3341 / 26
p0 4203 ± 5.864
5200
5000
4800
4600
4400
4200
4000
3800
3600
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

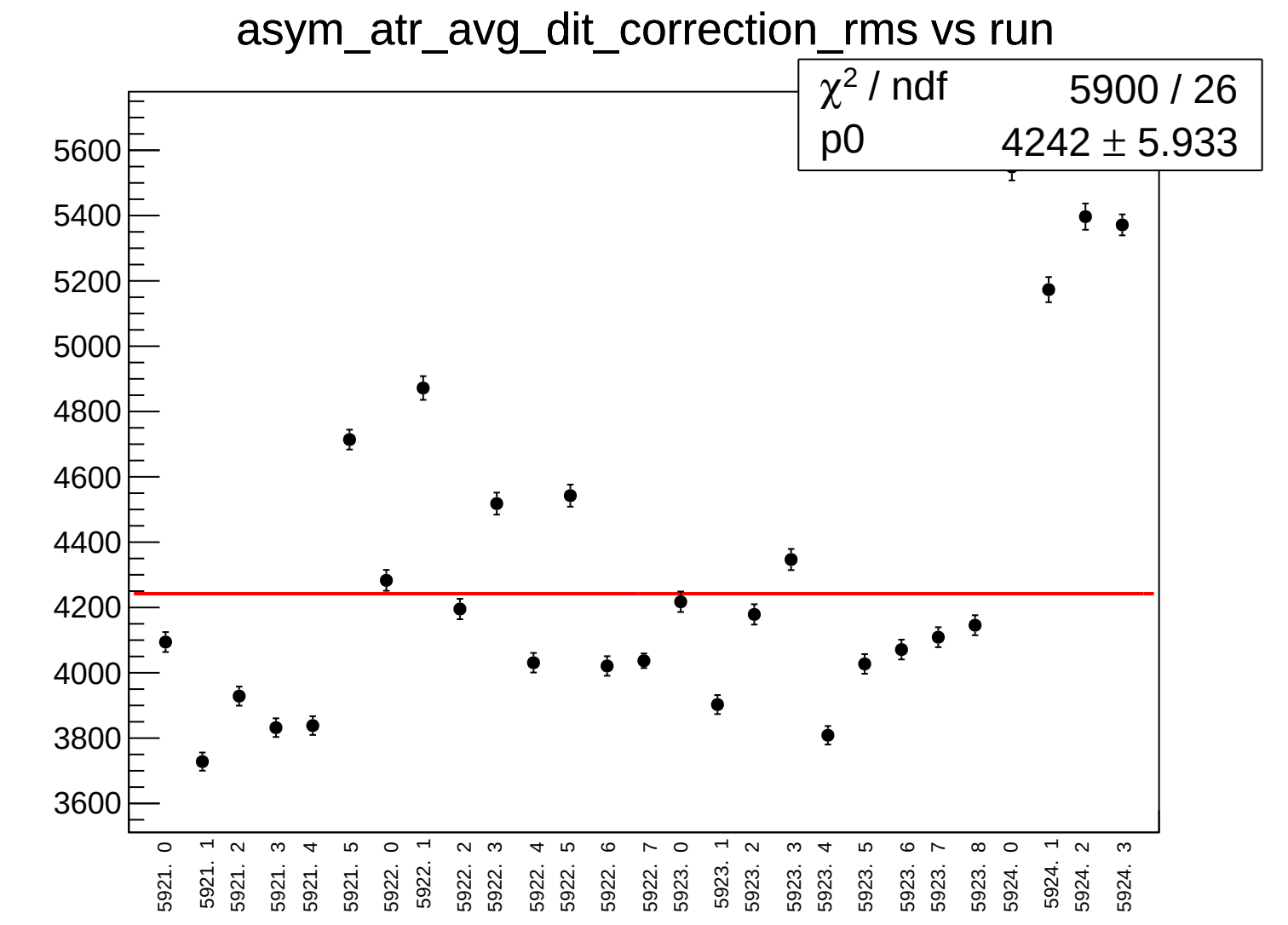

dit_asym_atr_avg_mean vs run
χ² / ndf 21.94 / 26
p0 498.9 ± 3993
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −55.94
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

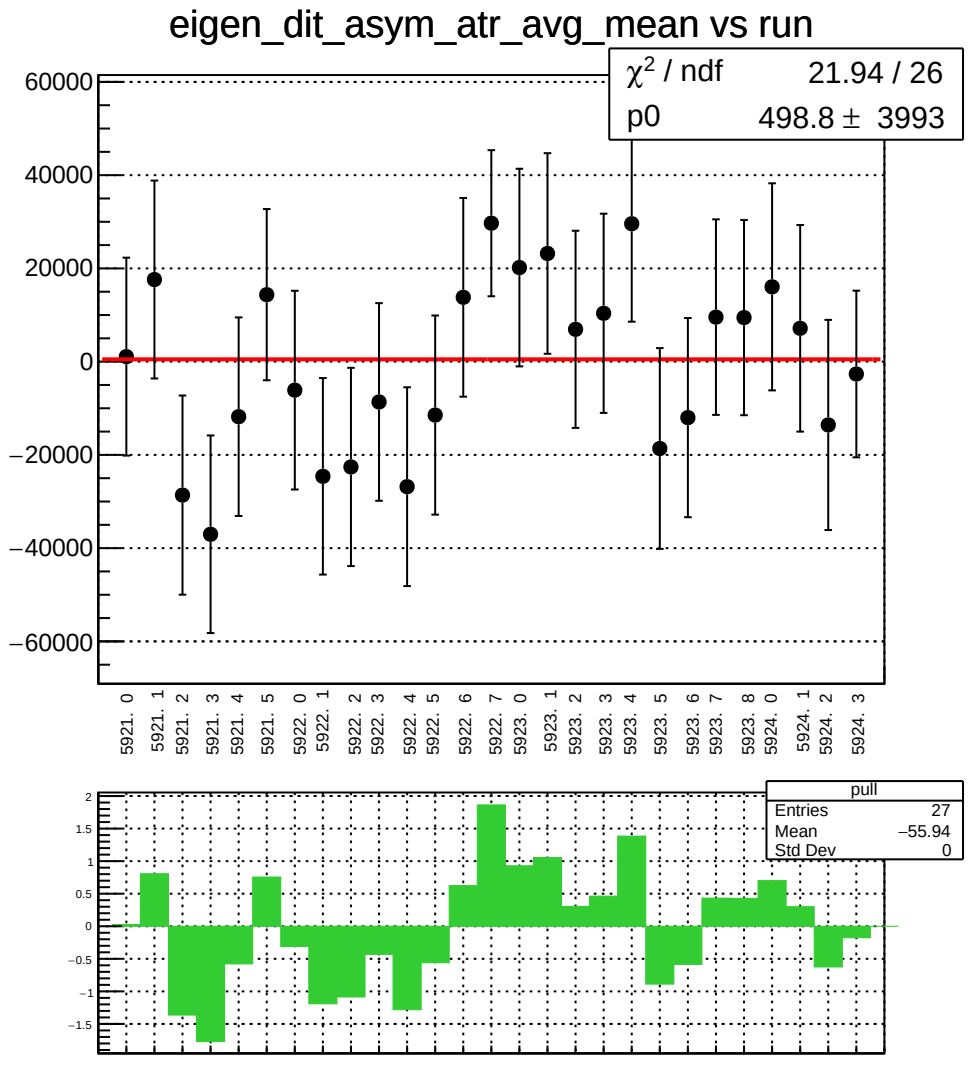

pull1D
Entries 27
Mean −0.02867
Std Dev 0.9011
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

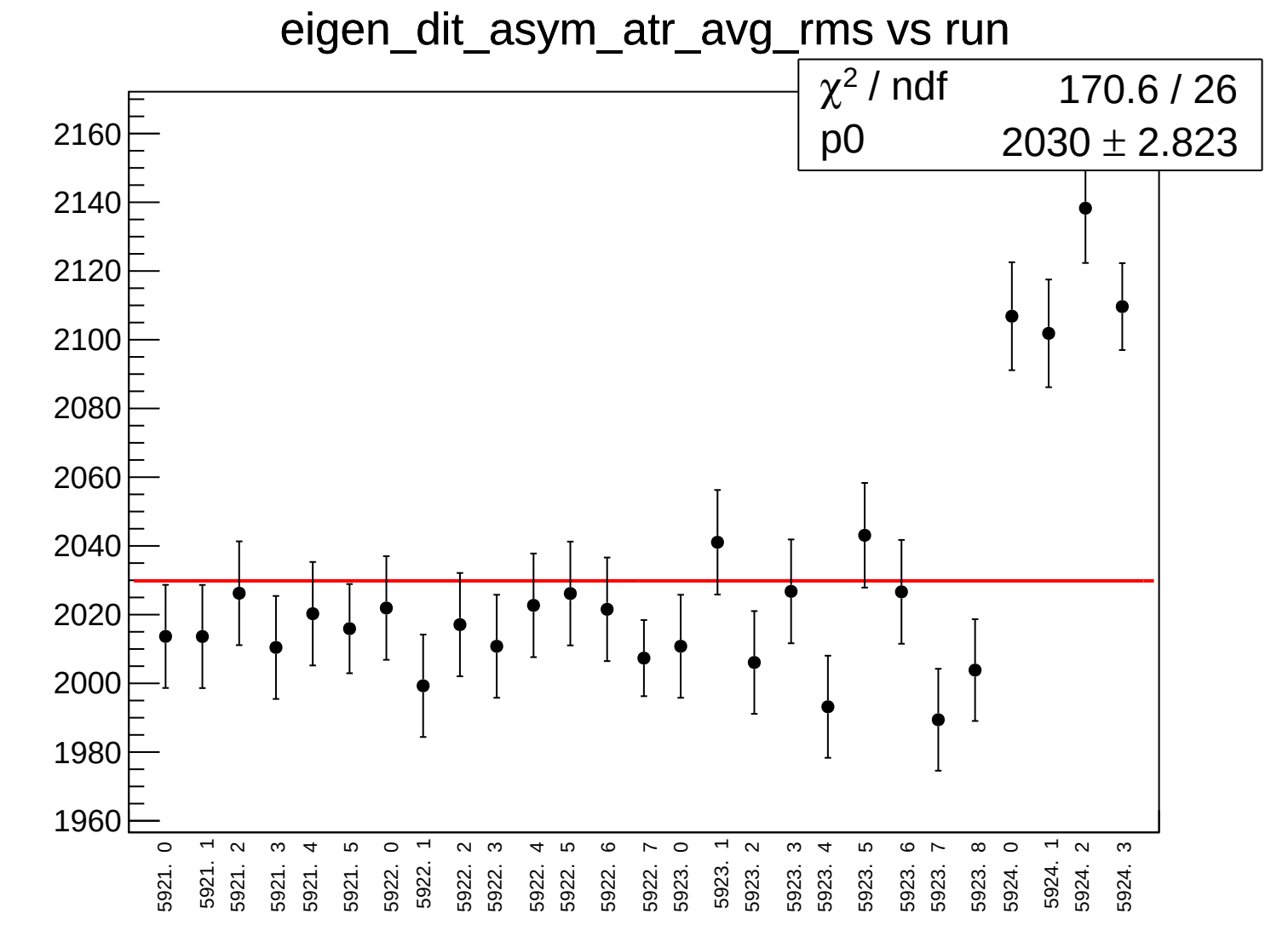

dit_asym_atr_avg_rms vs run
χ² / ndf 170.6 / 26
p0 2030 ± 2.823
2160
2140
2120
2100
2080
2060
2040
2020
2000
1980
1960
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

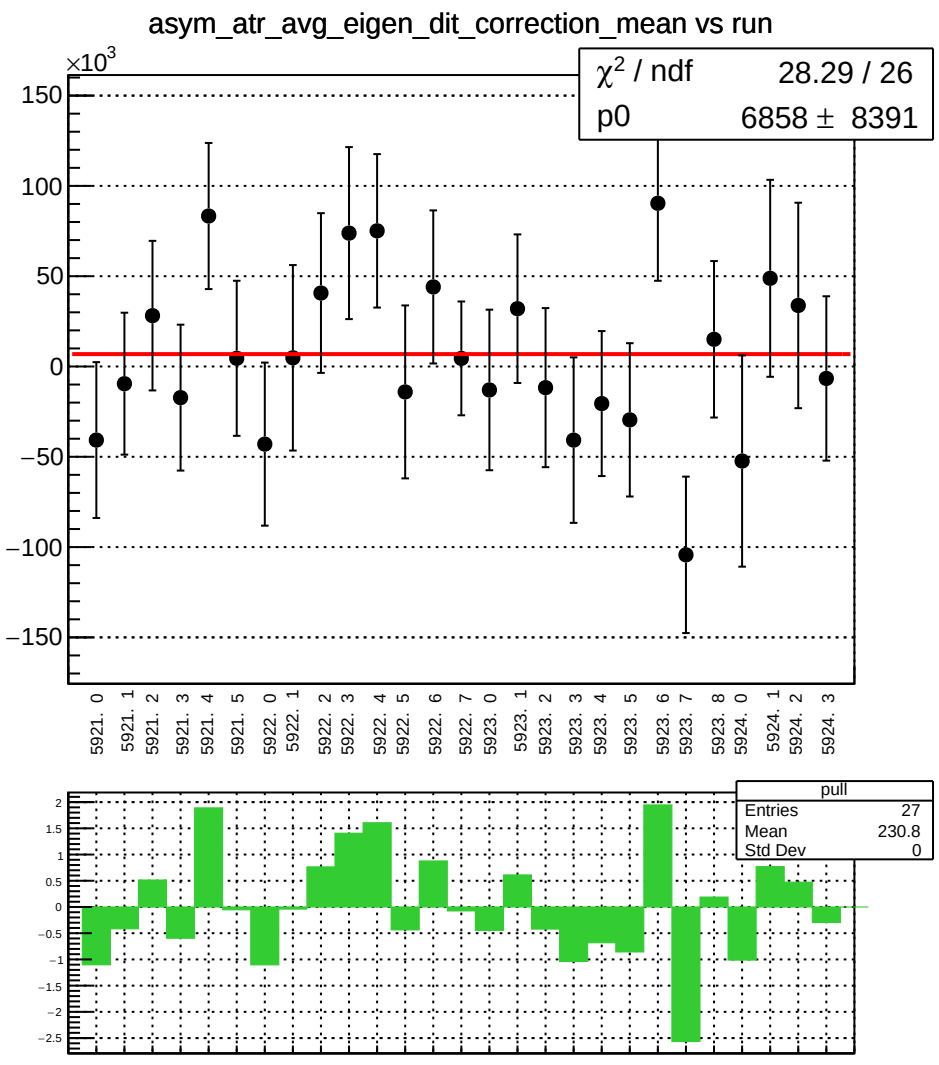

asym_atr_avg_dit_correction_mean vs run
×10^3
χ^2 / ndf 28.29 / 26
p0 6858 ± 8391
150
100
50
0
−50
−100
−150
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 230.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

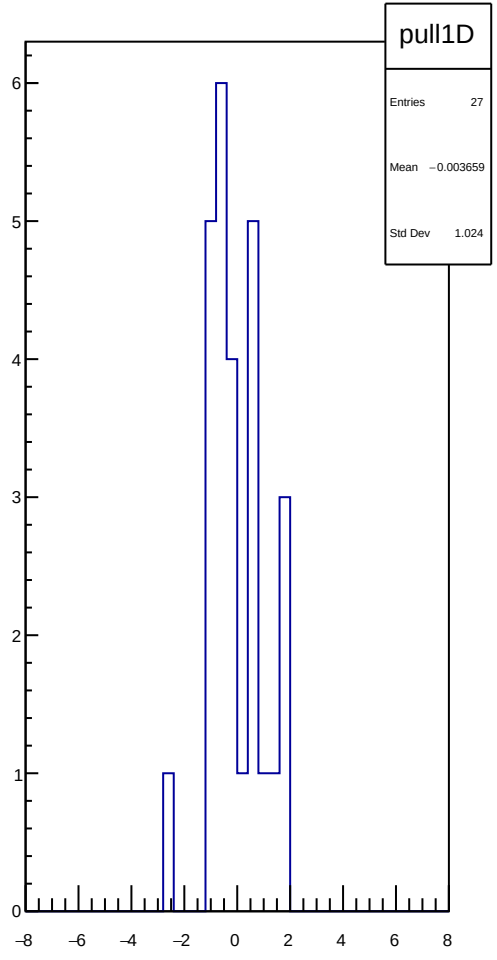

pull1D
Entries 27
Mean −0.003659
Std Dev 1.024
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

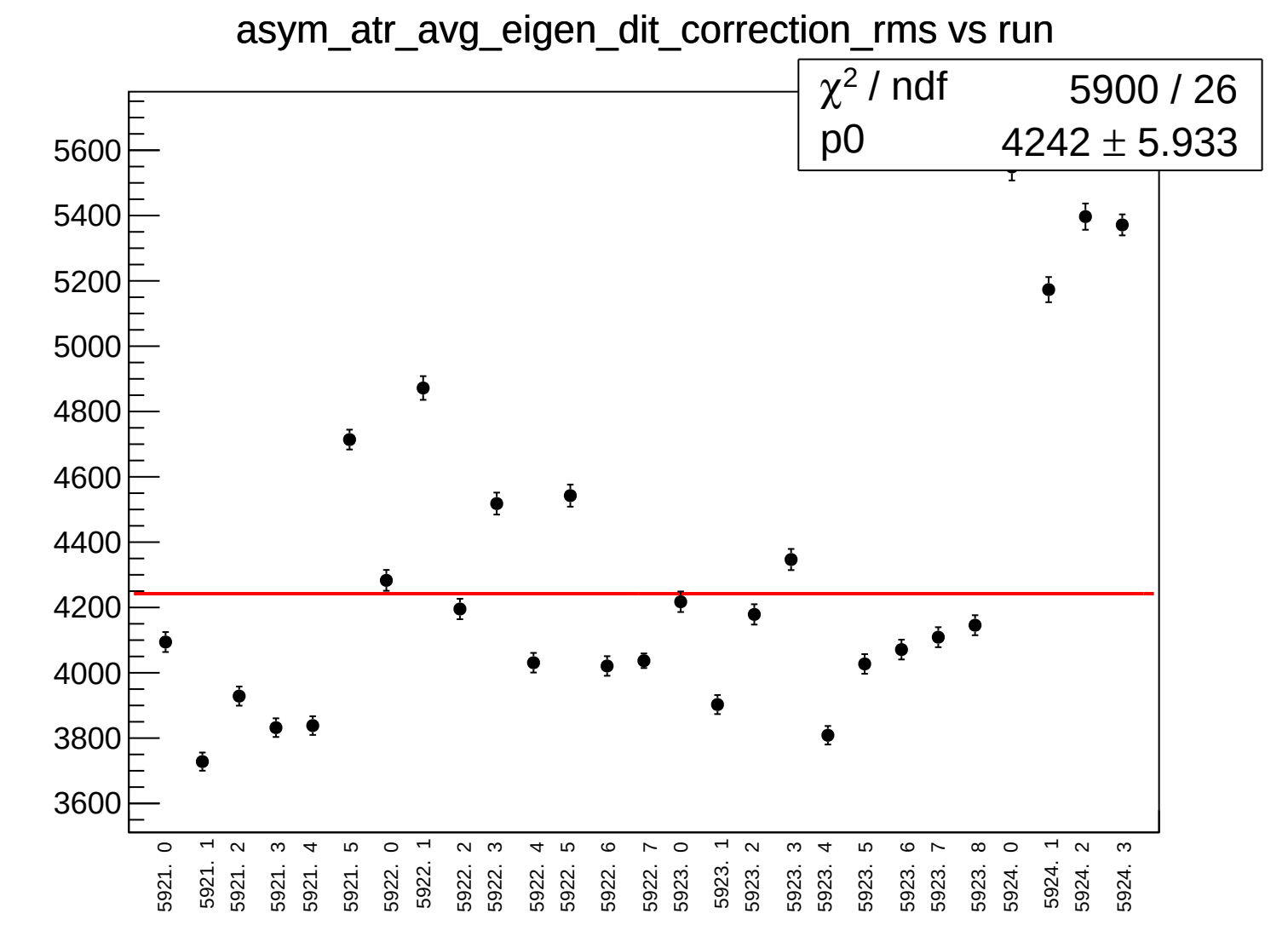

asym_atr_avg_dit_correction_rms vs run
χ² / ndf 5900 / 26
p0 4242 ± 5.933
5600
5400
5200
5000
4800
4600
4400
4200
4000
3800
3600
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

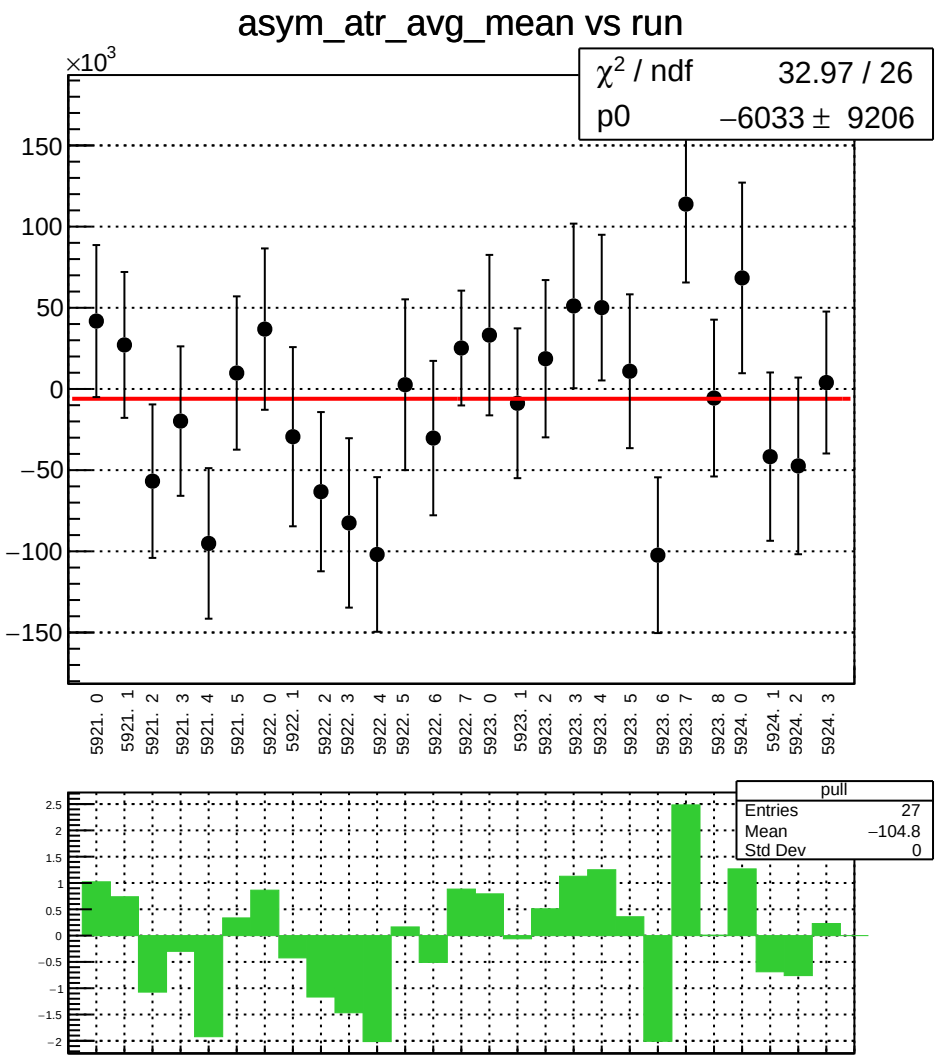

eigen_dit_asym_atr_avg_mean vs run
χ² / ndf 21.94 / 26
p0 498.8 ± 3993
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −55.94
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.02867
Std Dev 0.9011
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

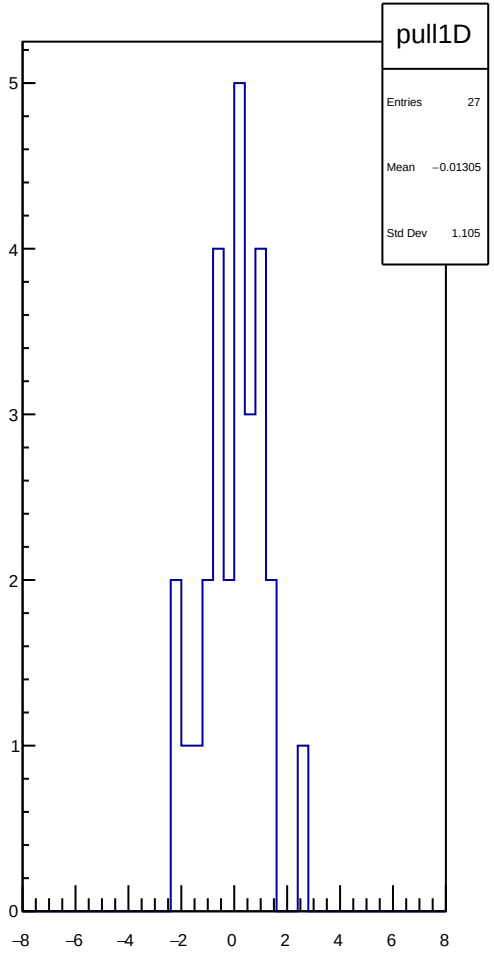

eigen_dit_asym_atr_avg_rms vs run
χ² / ndf 170.6 / 26
p0 2030 ± 2.823
2160
2140
2120
2100
2080
2060
2040
2020
2000
1980
1960
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

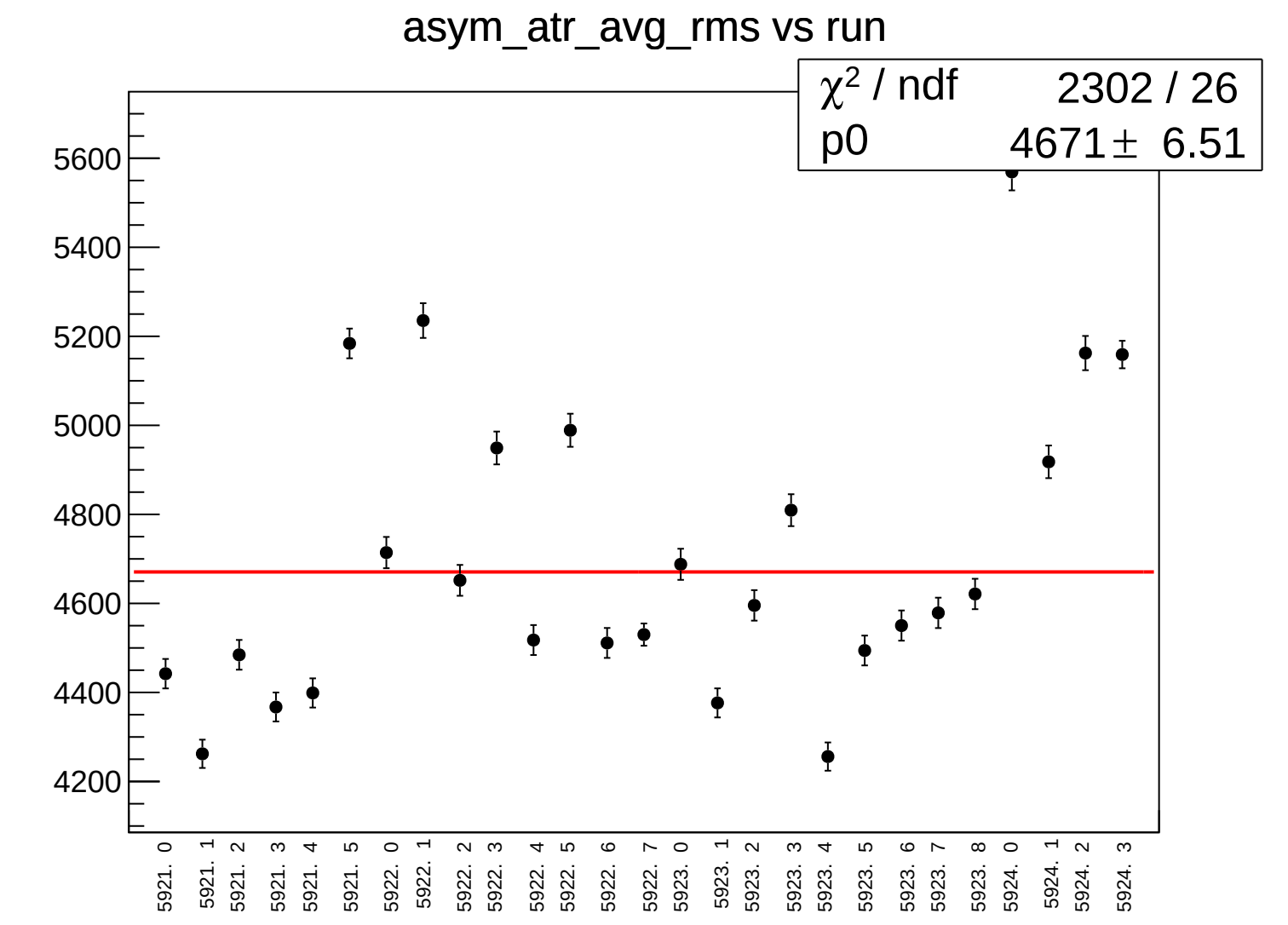

asym_atr_avg_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 28.29 / 26
p0 6858 ± 8391
150
100
50
0
−50
−100
−150
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 230.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

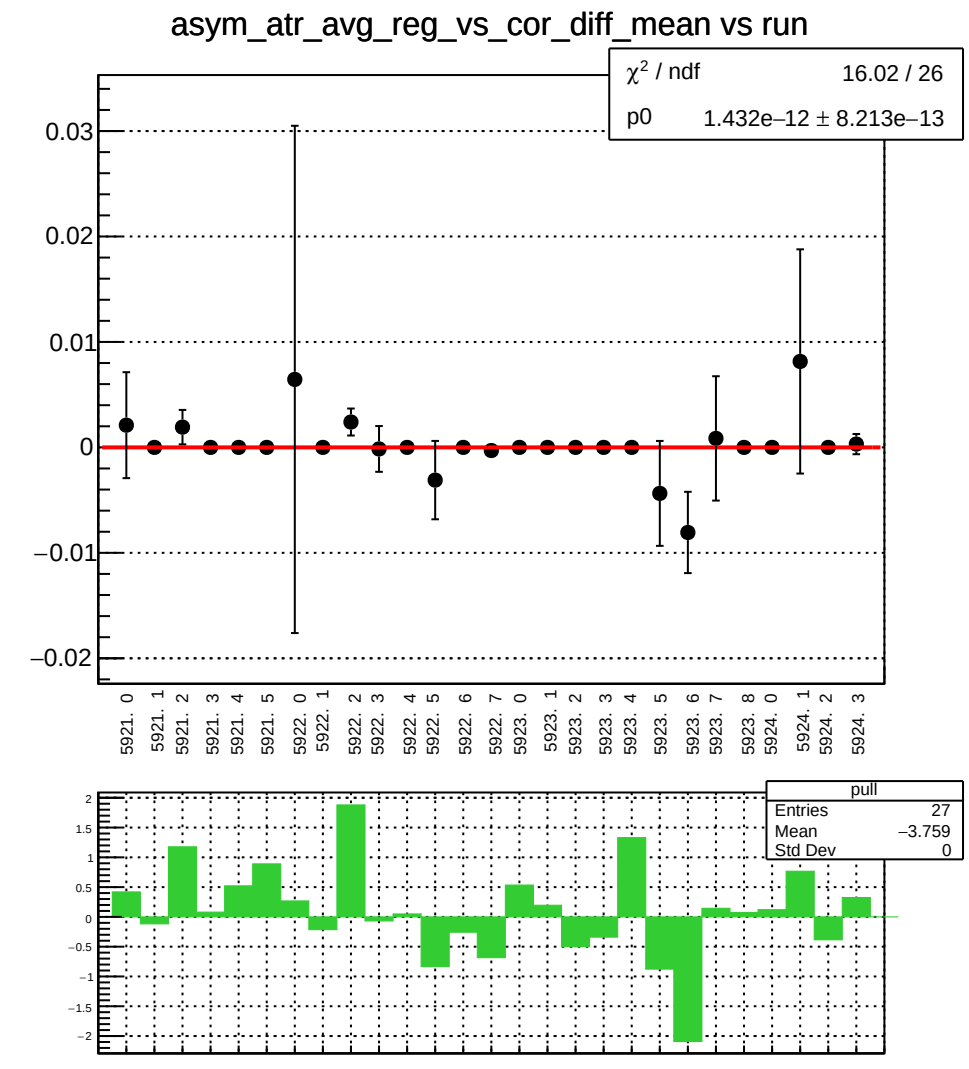

pull1D
Entries 27
Mean −0.003659
Std Dev 1.024
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

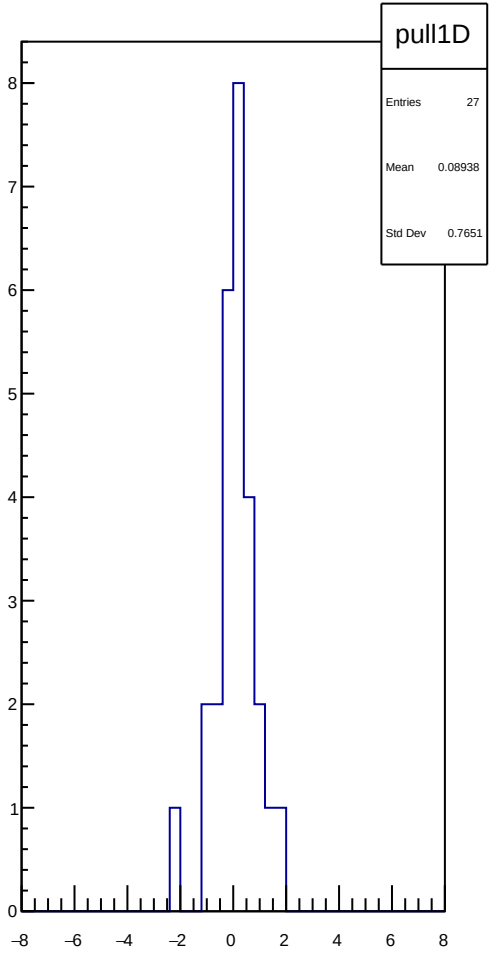

asym_atr_avg_eigen_dit_correction_rms vs run
χ² / ndf 5900 / 26
p0 4242 ± 5.933
5600
5400
5200
5000
4800
4600
4400
4200
4000
3800
3600
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

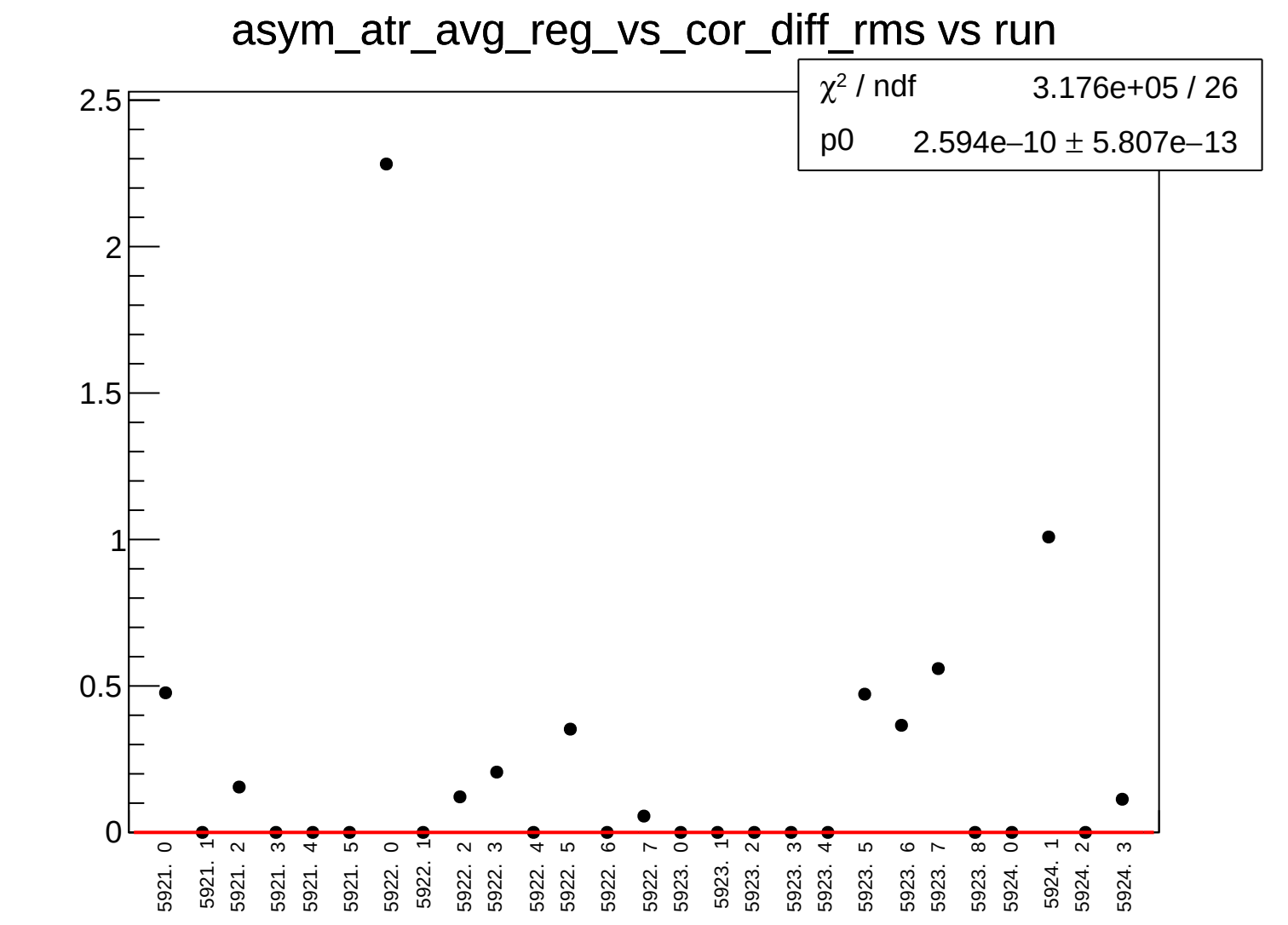

asym_atr_avg_mean vs run
×10^3
χ^2 / ndf 32.97 / 26
p0 −6033 ± 9206
150
100
50
0
−50
−100
−150
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −104.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

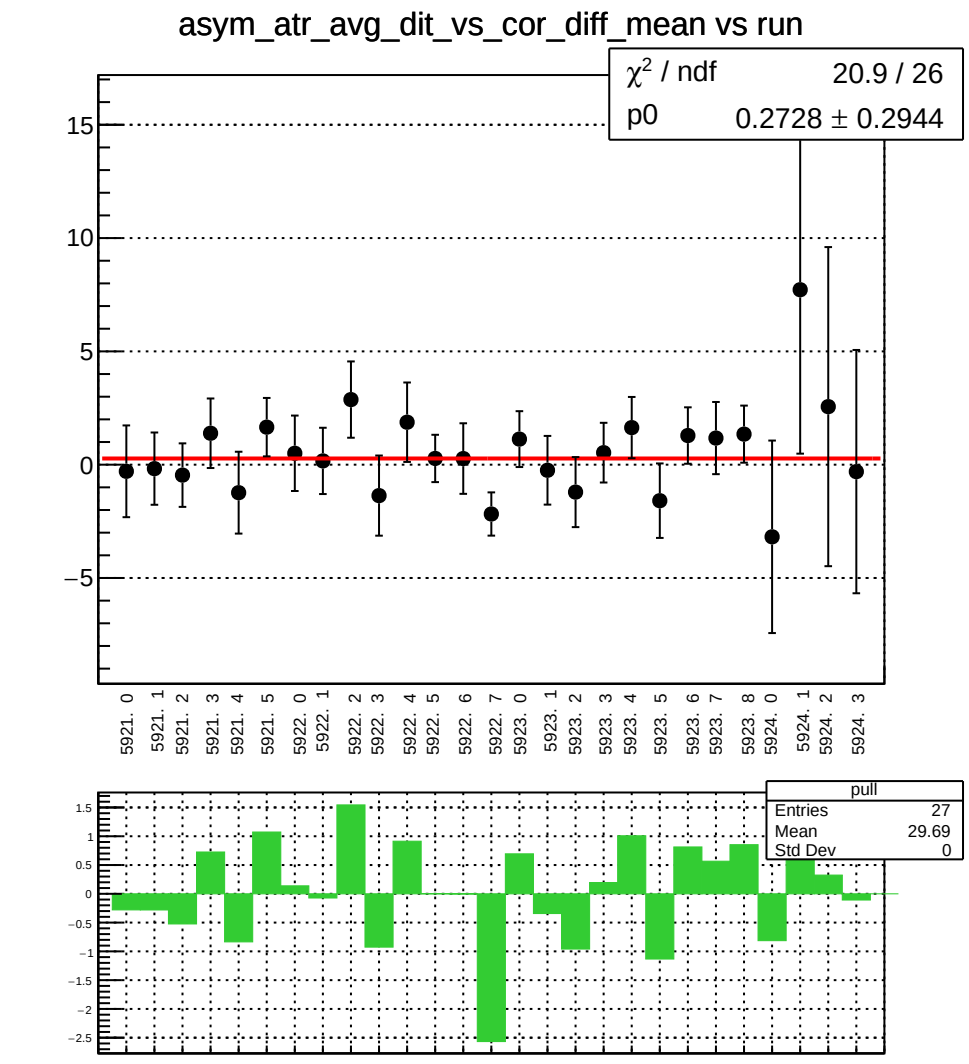

pull1D
Entries 27
Mean −0.01305
Std Dev 1.105
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

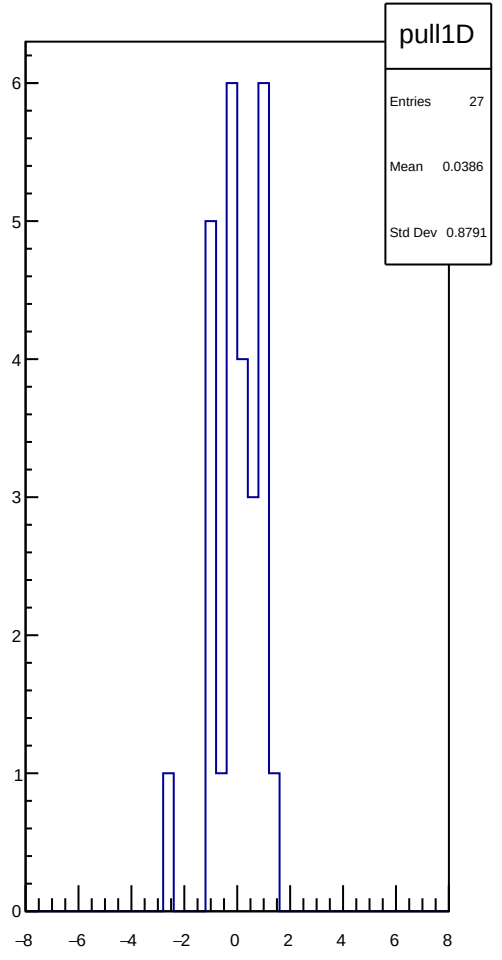

asym_atr_avg_rms vs run
χ² / ndf 2302 / 26
p0 4671 ± 6.51
5600
5400
5200
5000
4800
4600
4400
4200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

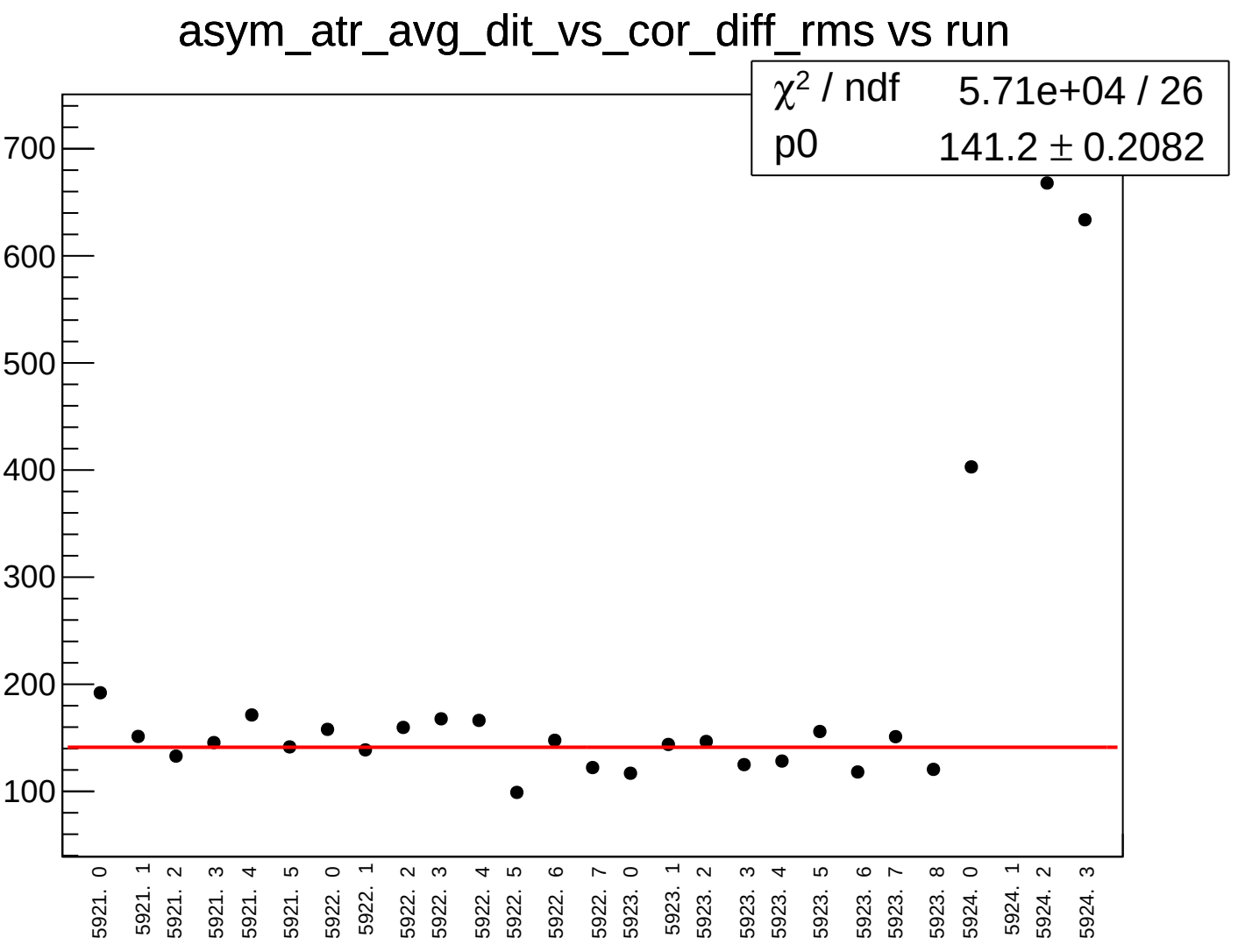

asym_atr_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 16.02 / 26
p0 1.432e−12 ± 8.213e−13
0.03
0.02
0.01
0
−0.01
−0.02
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −3.759
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

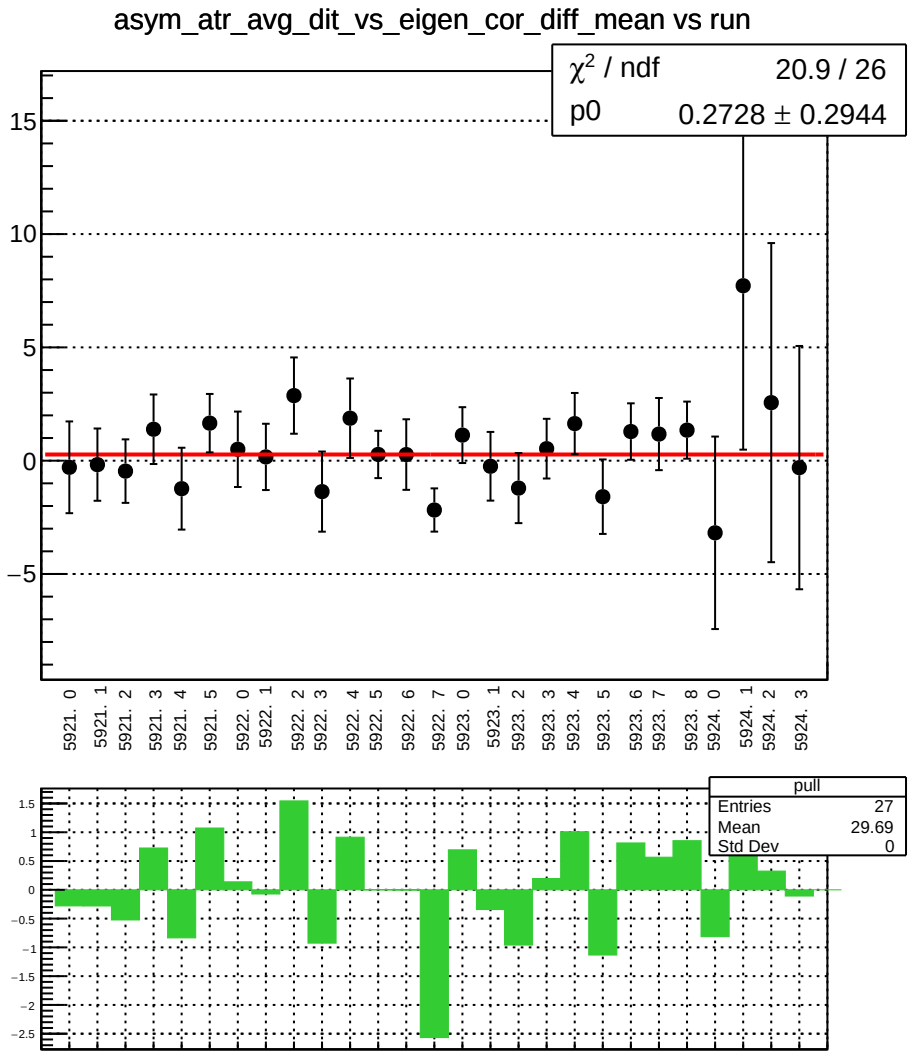

pull1D
Entries 27
Mean 0.08938
Std Dev 0.7651
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

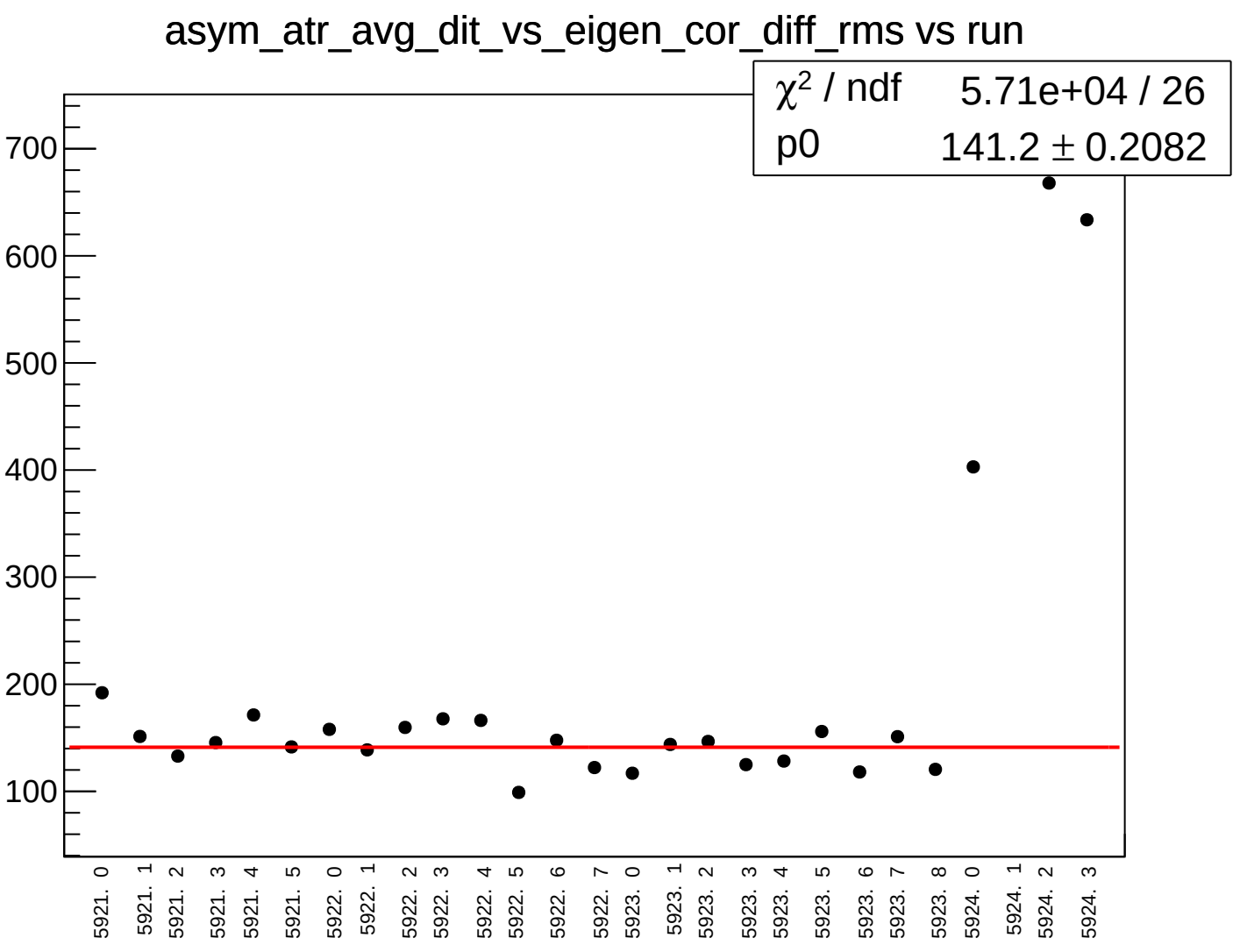

asym_atr_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.176e+05 / 26
p0 2.594e−10 ± 5.807e−13
2.5
2
1.5
1
0.5
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

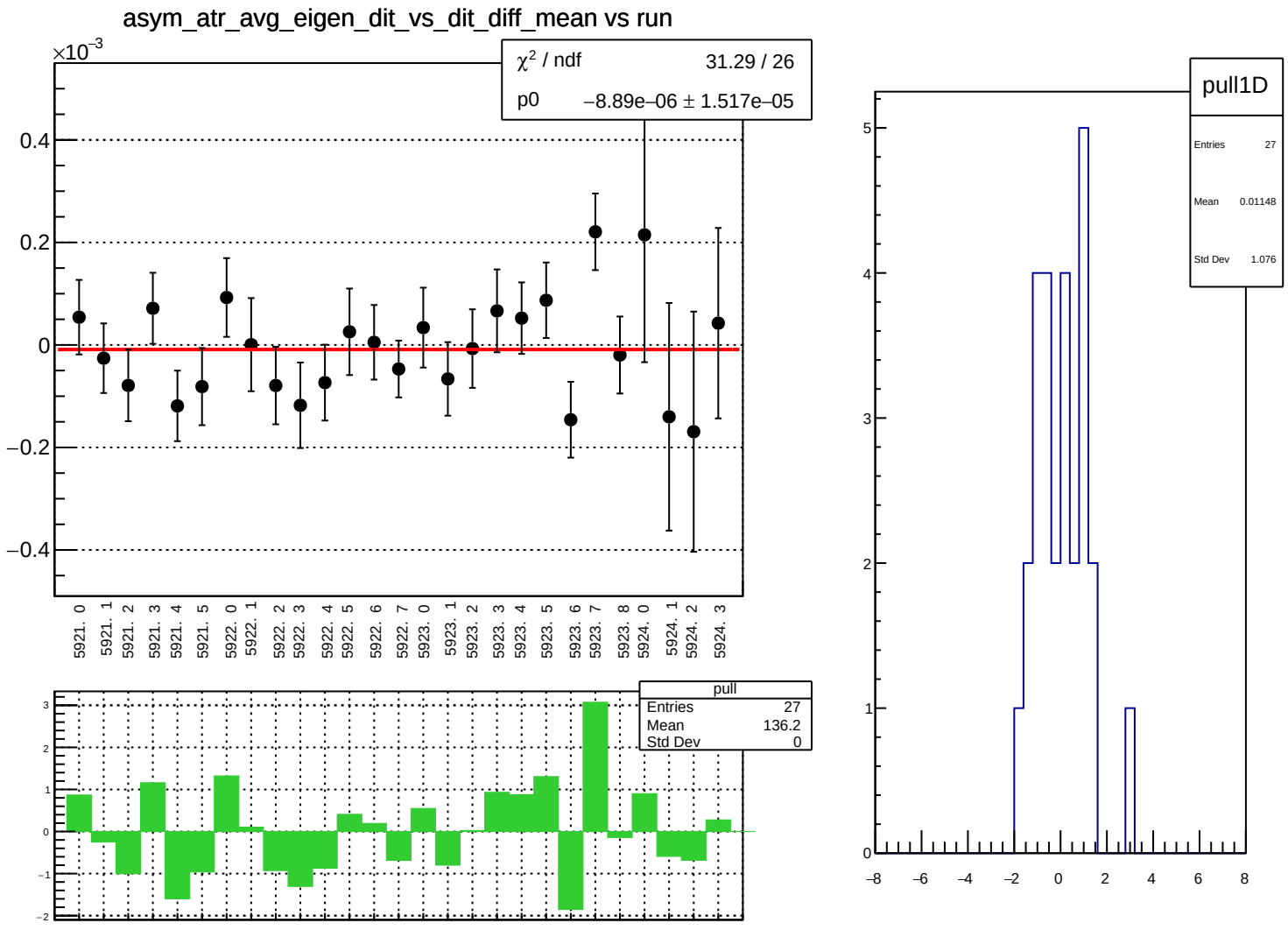

asym_atr_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 20.9 / 26
p0 0.2728 ± 0.2944
15
10
5
0
−5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 29.69
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

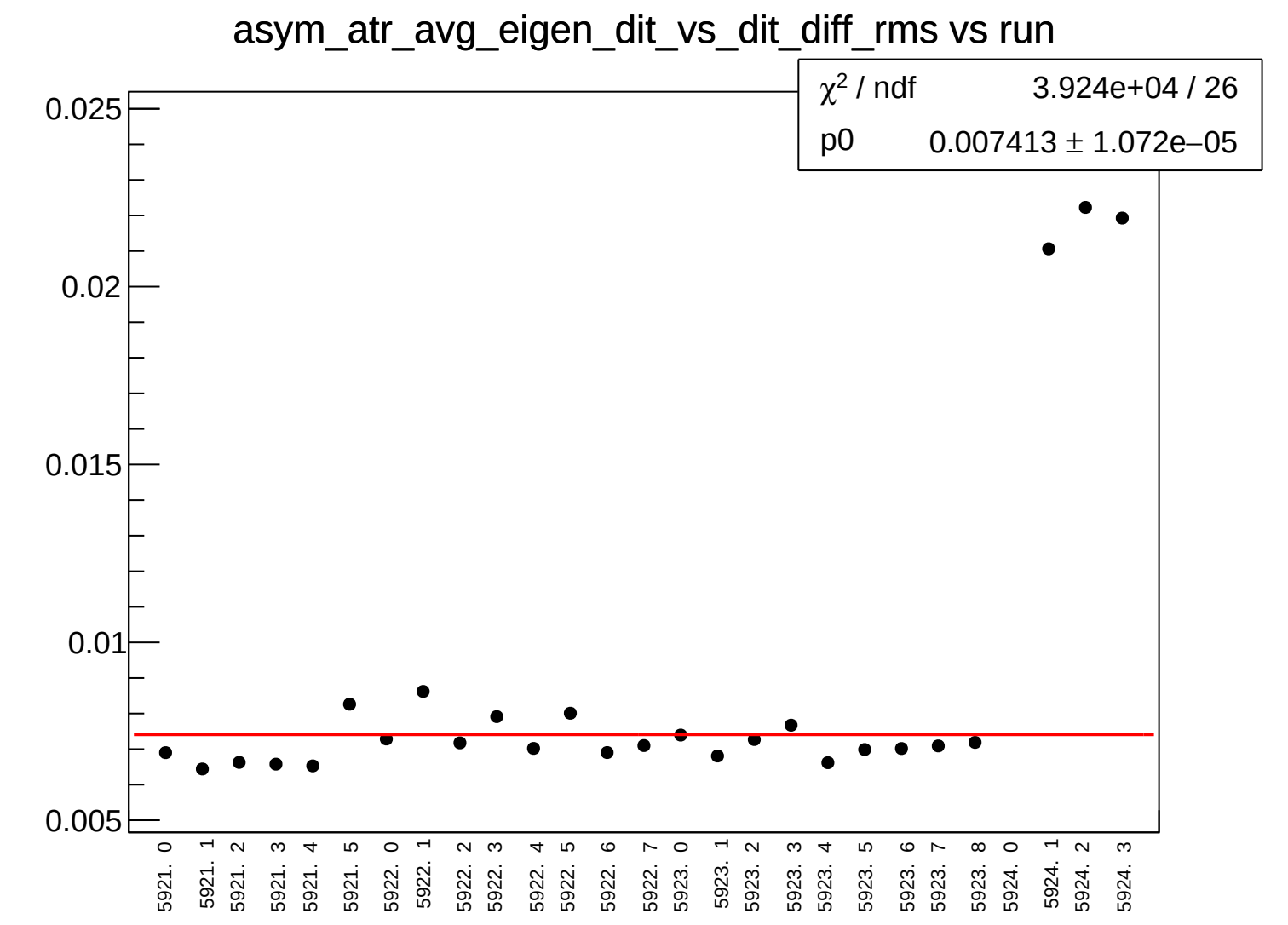

pull1D
Entries 27
Mean 0.0386
Std Dev 0.8791
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

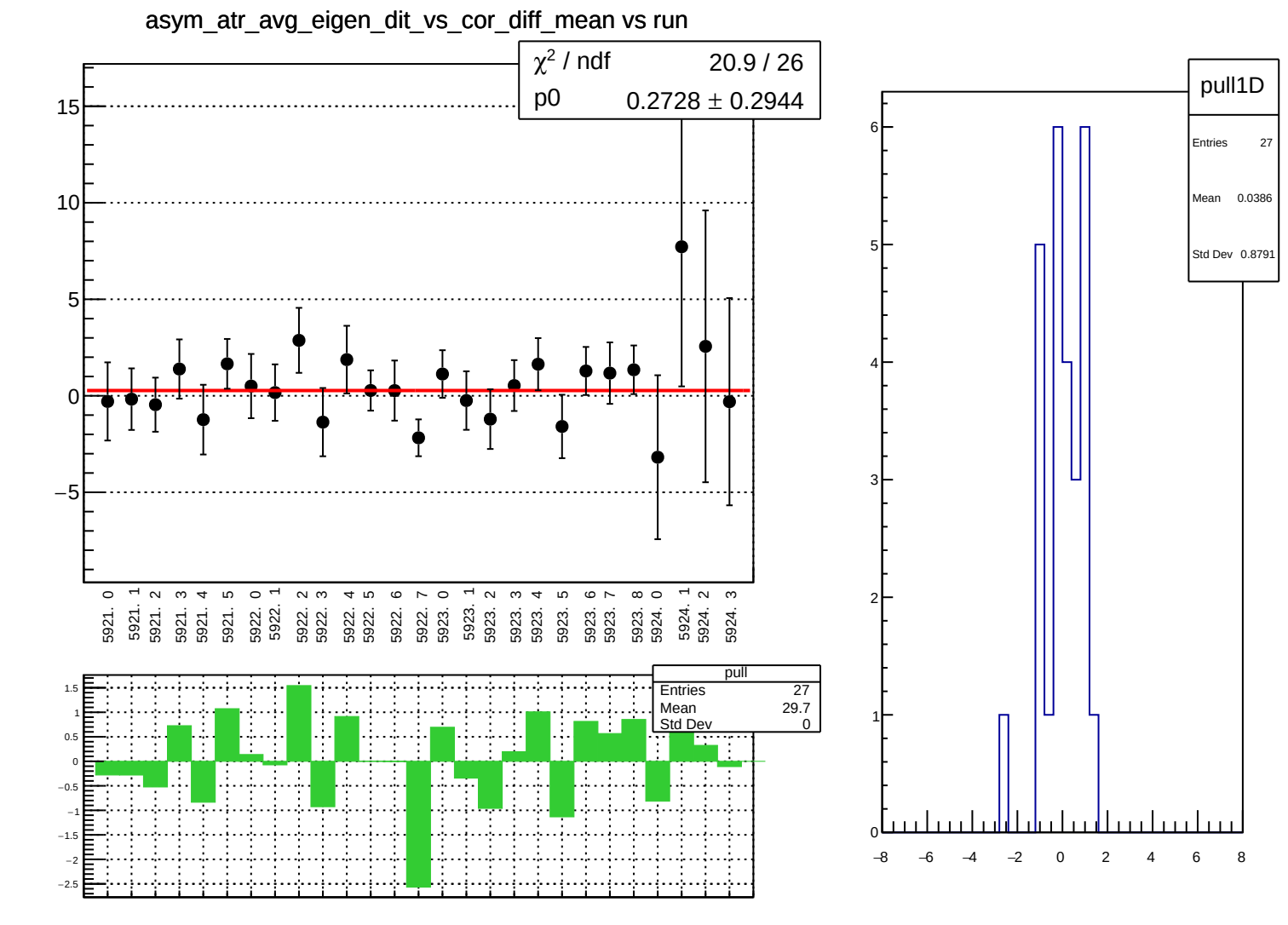

asym_atr_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.71e+04 / 26
p0 141.2 ± 0.2082
700
600
500
400
300
200
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

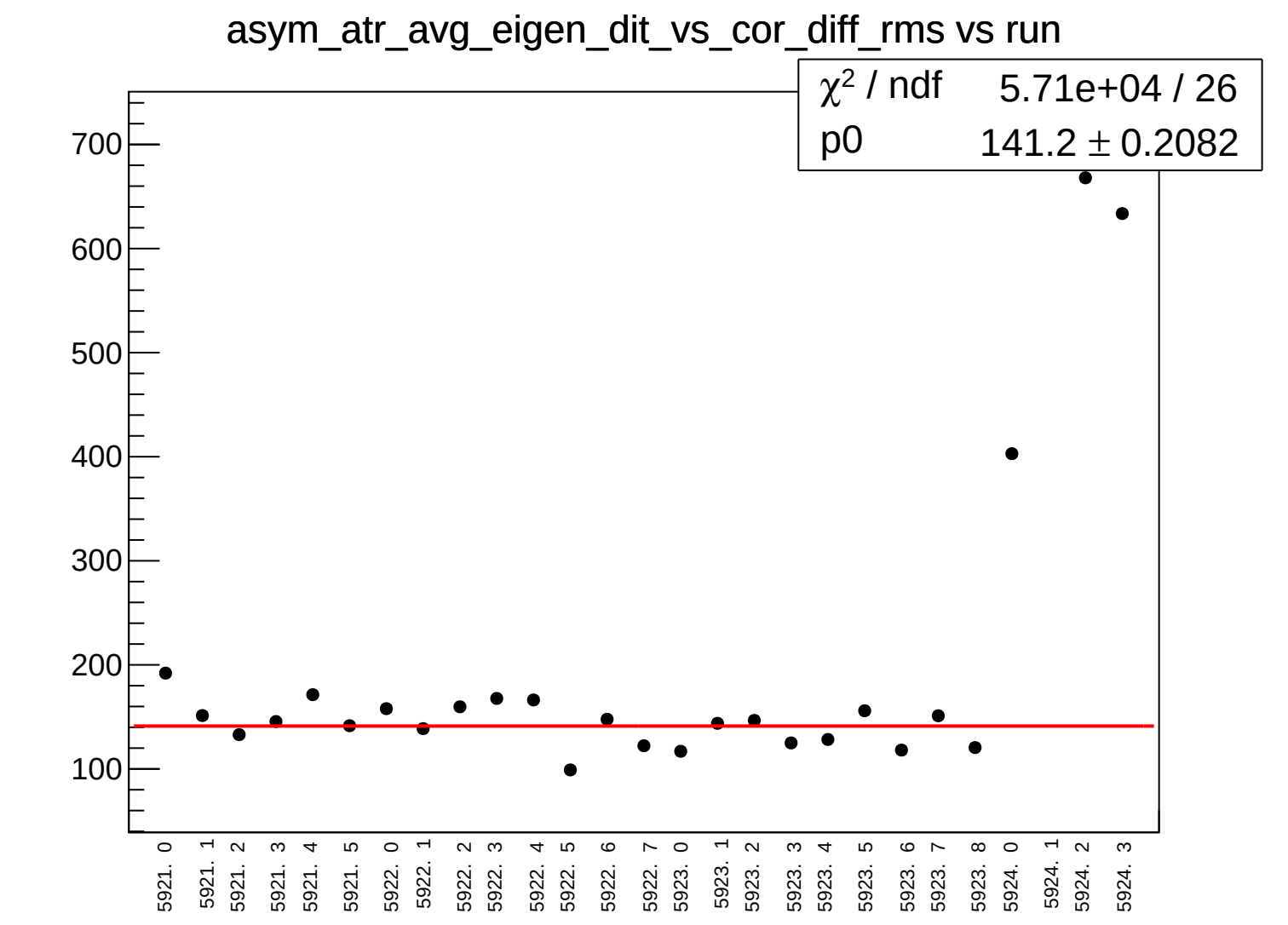

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 20.9 / 26
p0 0.2728 ± 0.2944
15
10
5
0
−5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 29.69
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean 0.0386
Std Dev 0.8791
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

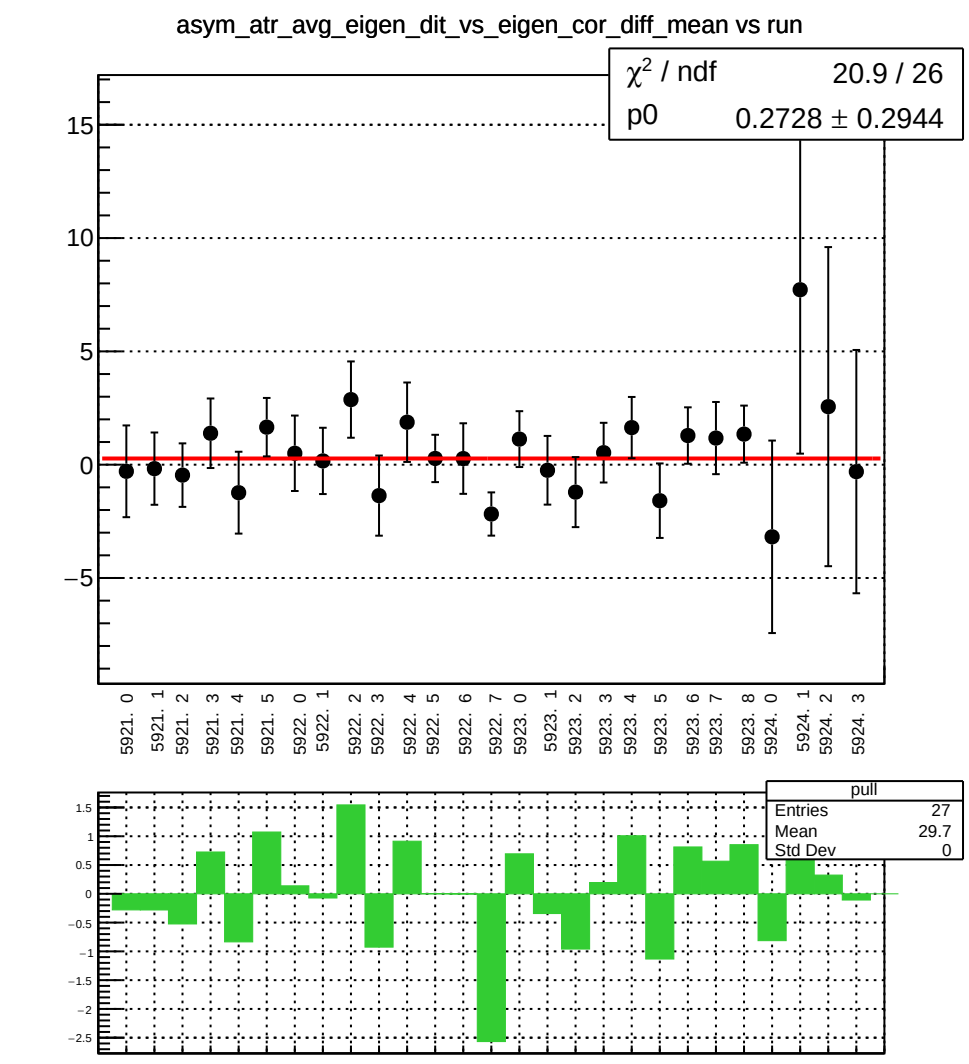

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.71e+04 / 26
p0 141.2 ± 0.2082
700
600
500
400
300
200
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

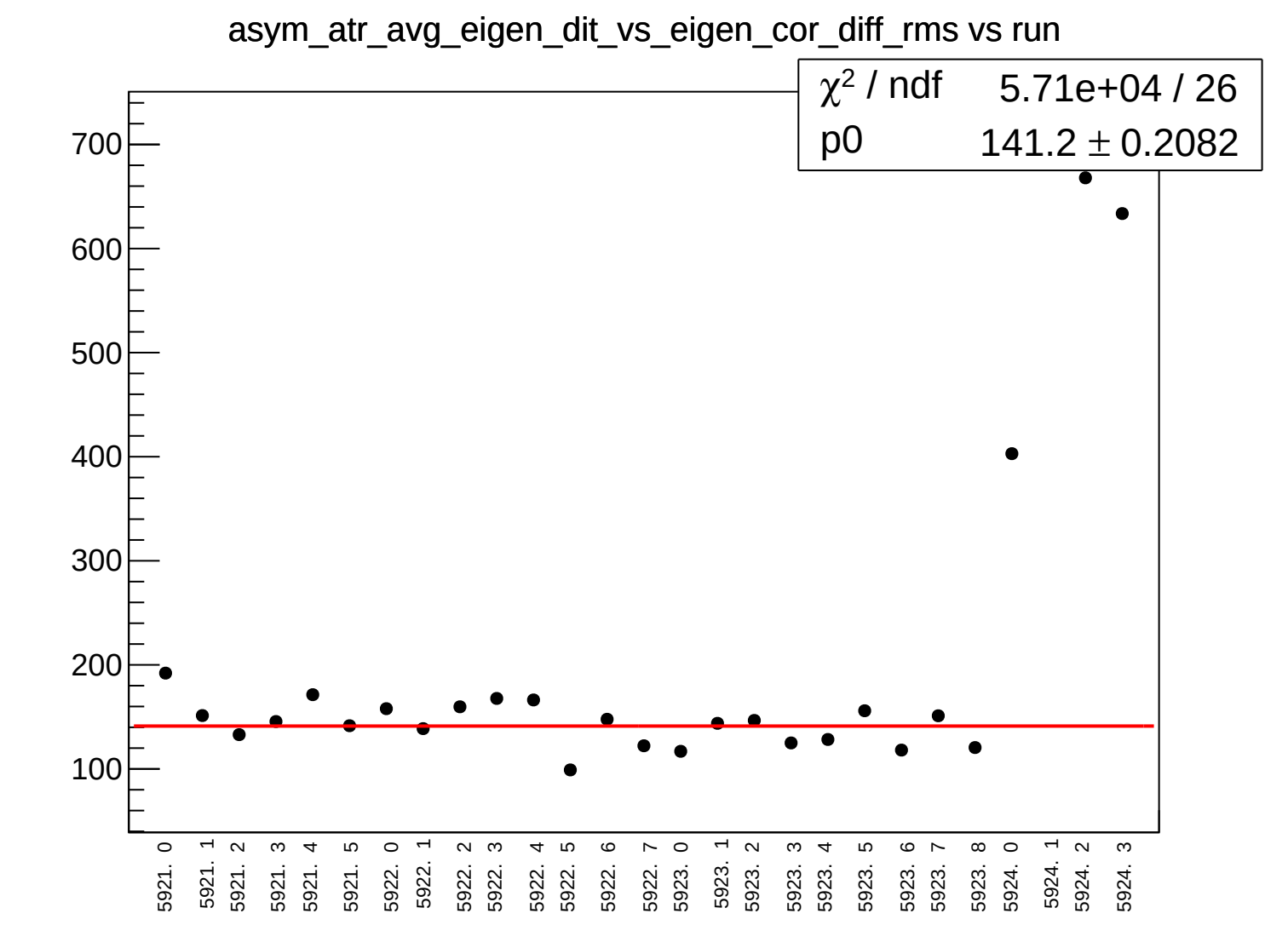

asym_atr_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 31.29 / 26
p0 −8.89e−06 ± 1.517e−05
0.4
0.2
0
−0.2
−0.4
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 136.2
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.01148
Std Dev 1.076
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

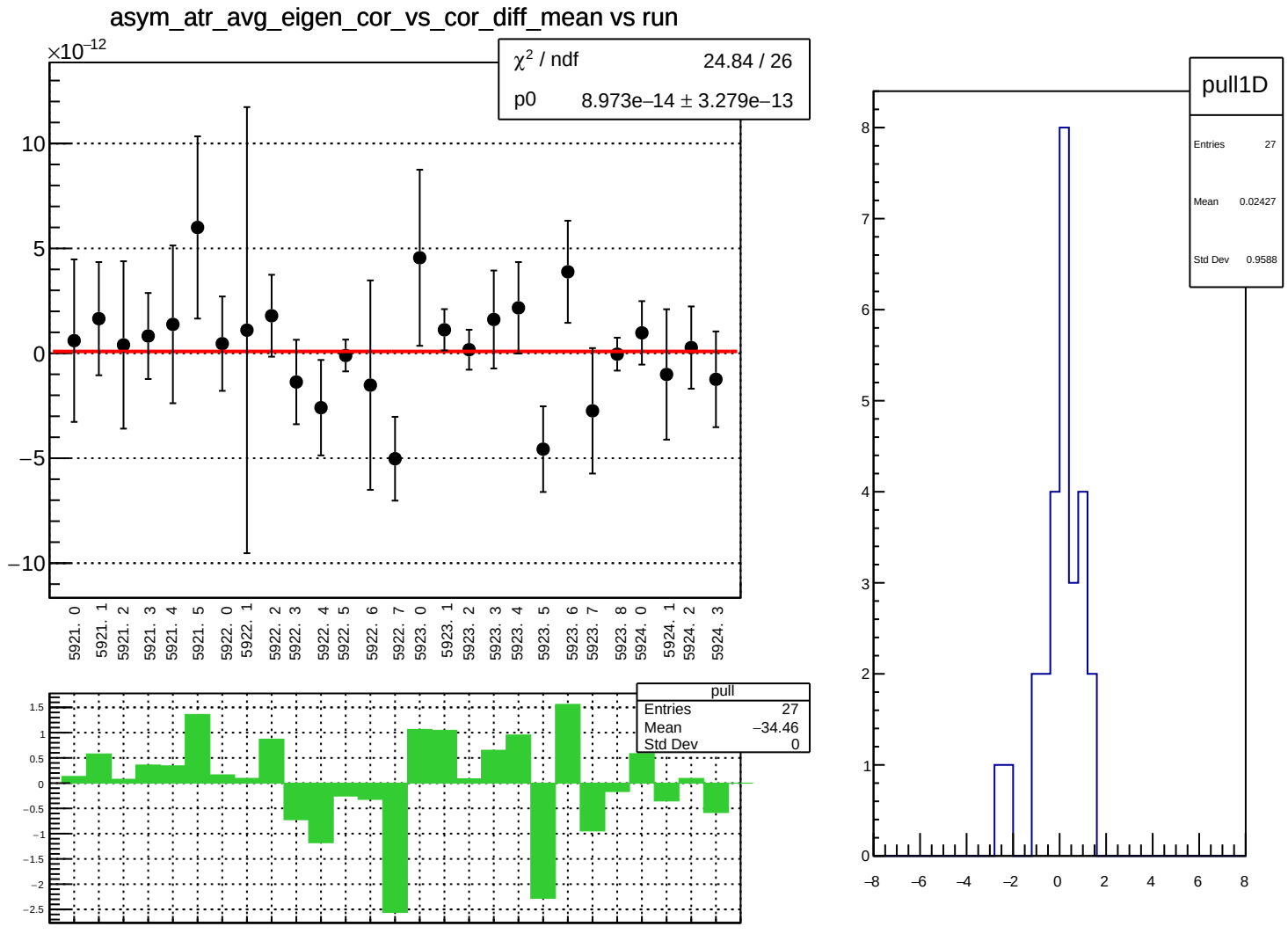

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.924e+04 / 26
p0 0.007413 ± 1.072e−05
0.025
0.02
0.015
0.01
0.005
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

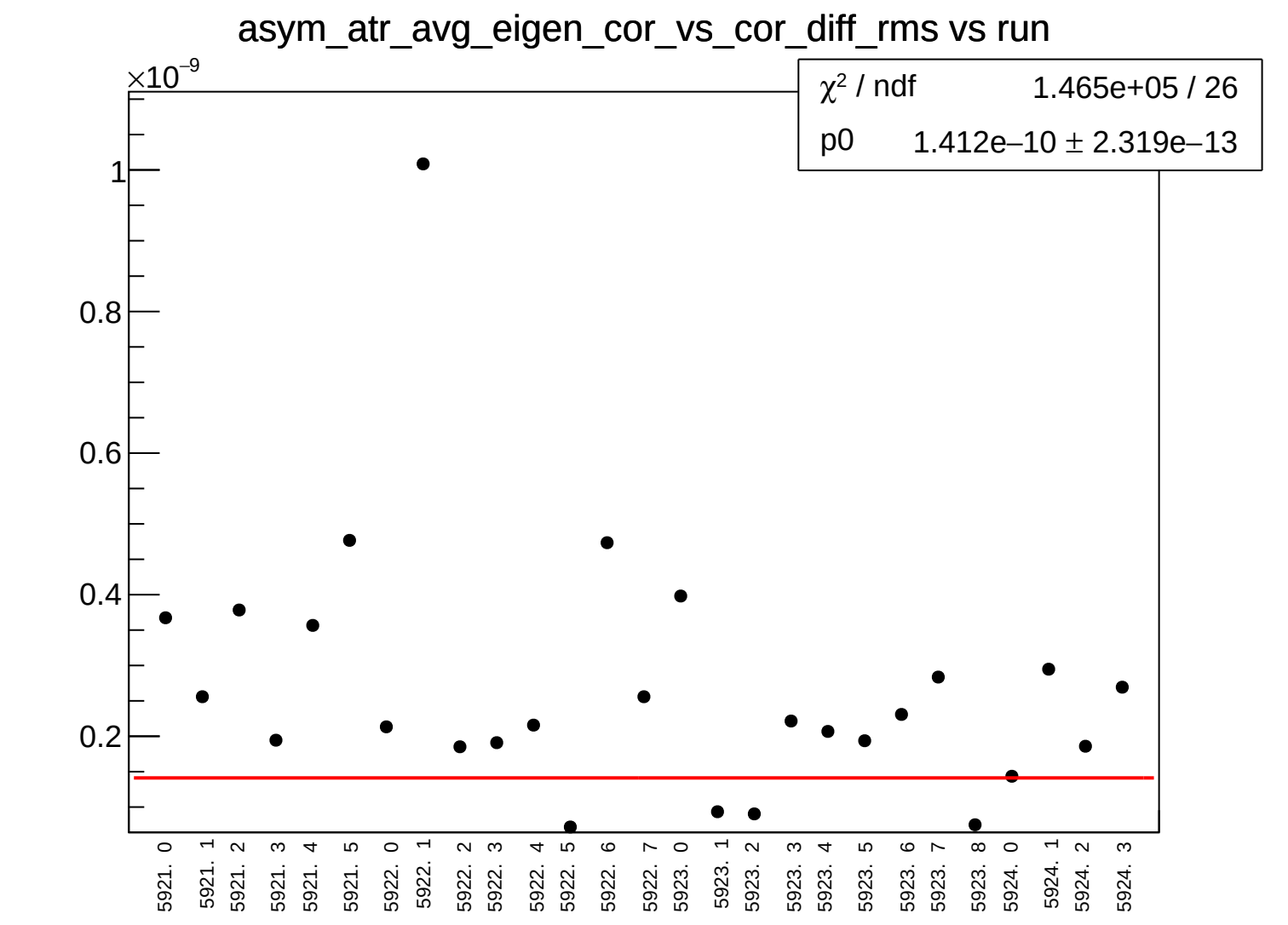

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 20.9 / 26
p0 0.2728 ± 0.2944
15
10
5
0
−5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 29.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean 0.0386
Std Dev 0.8791
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

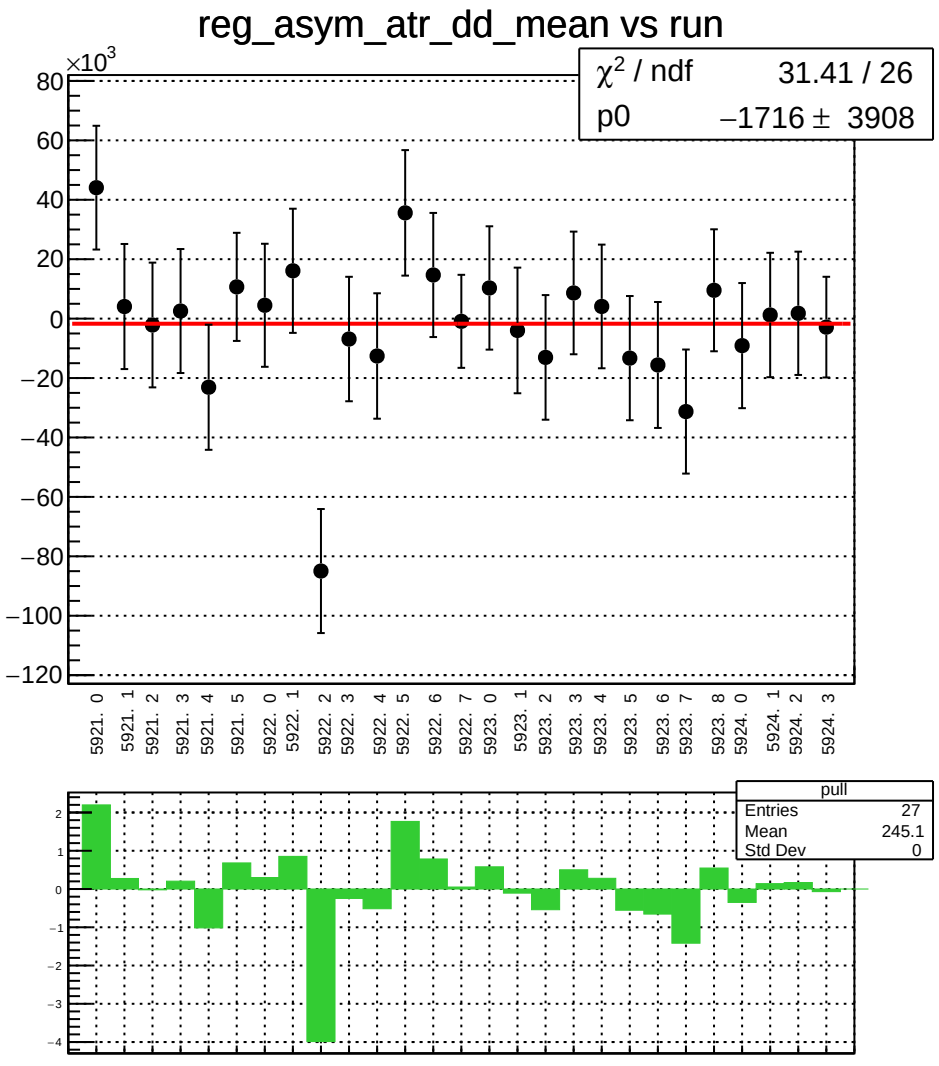

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.71e+04 / 26
p0 141.2 ± 0.2082
700
600
500
400
300
200
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

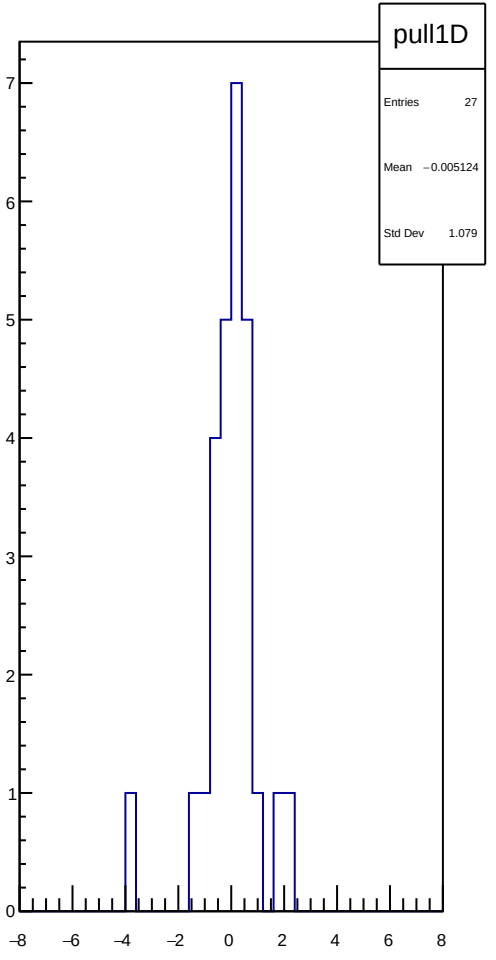

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 20.9 / 26
p0 0.2728 ± 0.2944
15
10
5
0
−5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 29.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean 0.0386
Std Dev 0.8791
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

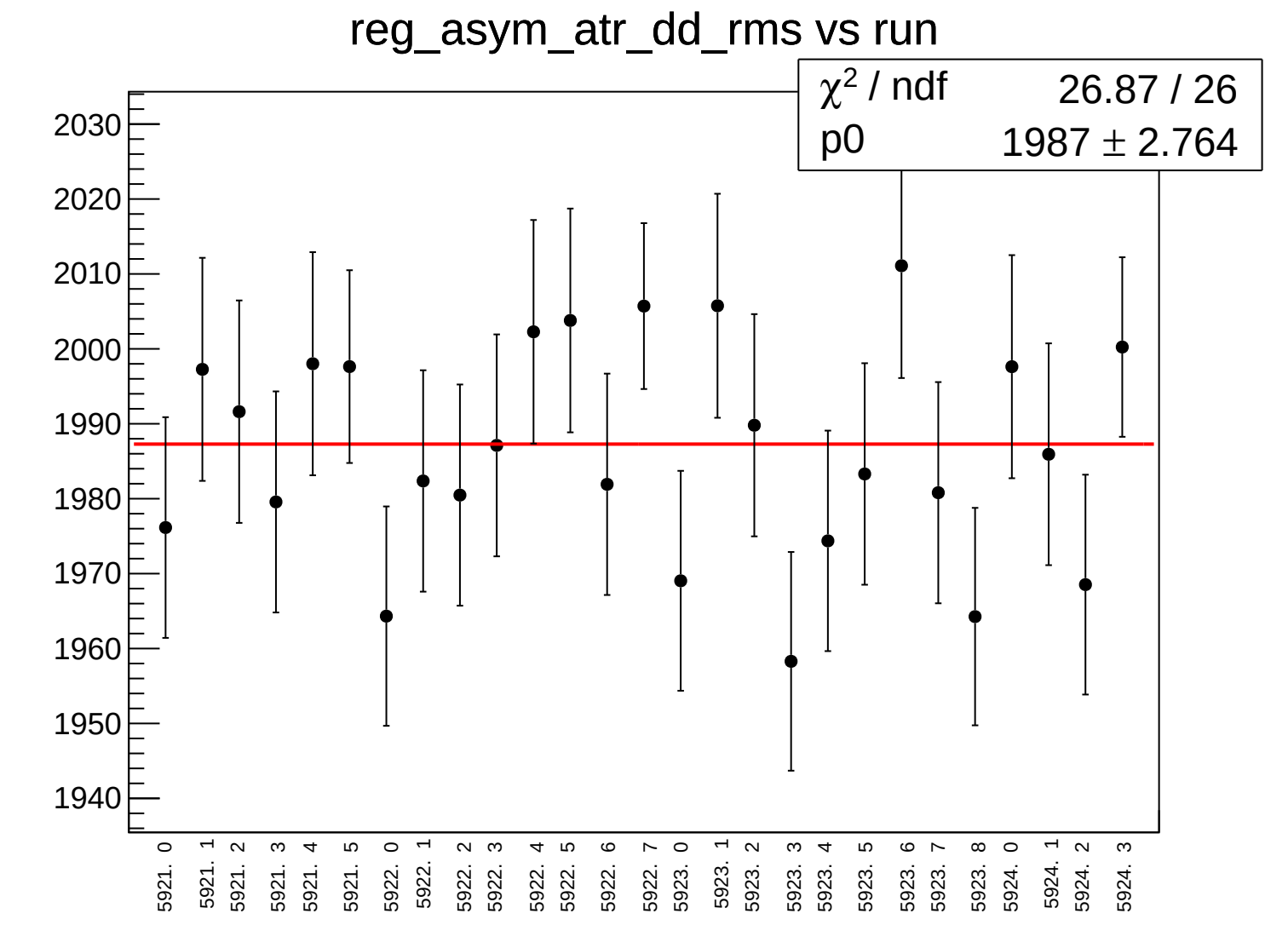

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.71e+04 / 26
p0 141.2 ± 0.2082
700
600
500
400
300
200
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

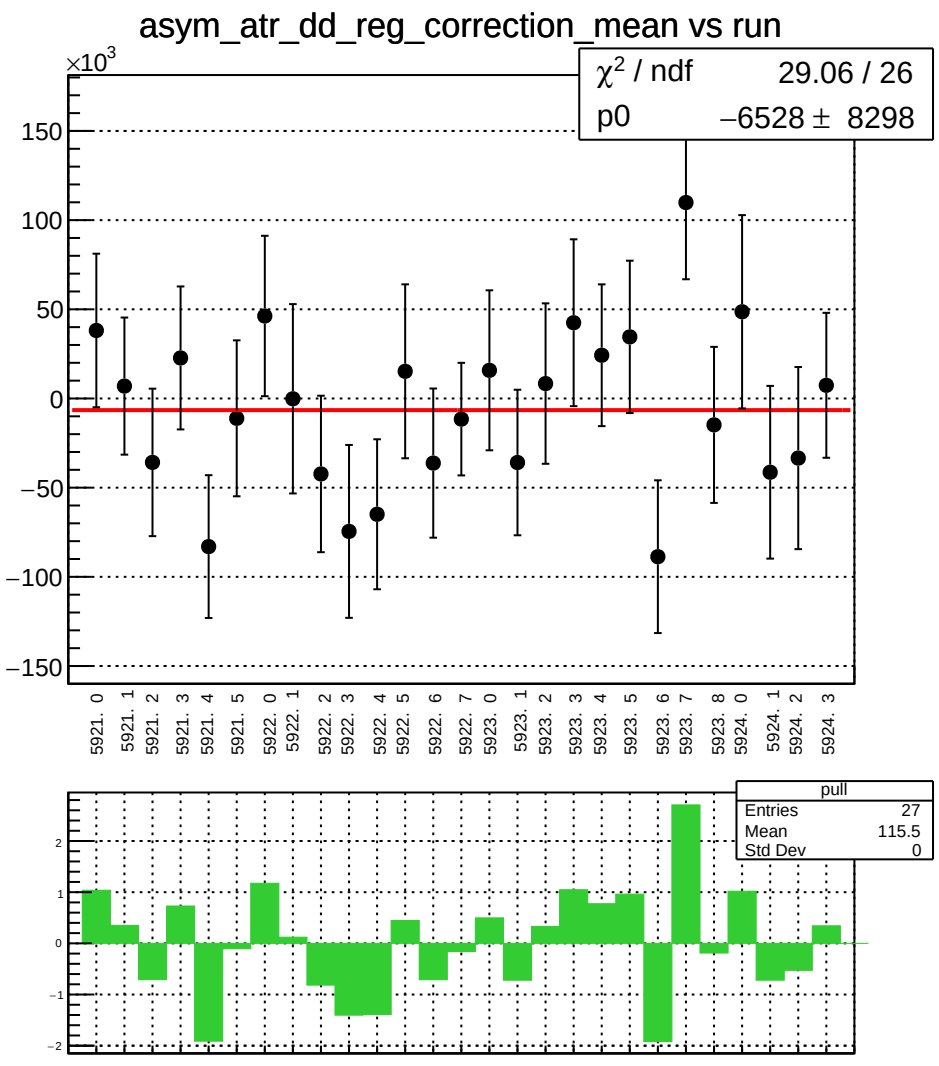

asym_atr_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 24.84 / 26
p0 8.973e−14 ± 3.279e−13
10
5
0
−5
−10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −34.46
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean 0.02427
Std Dev 0.9588
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

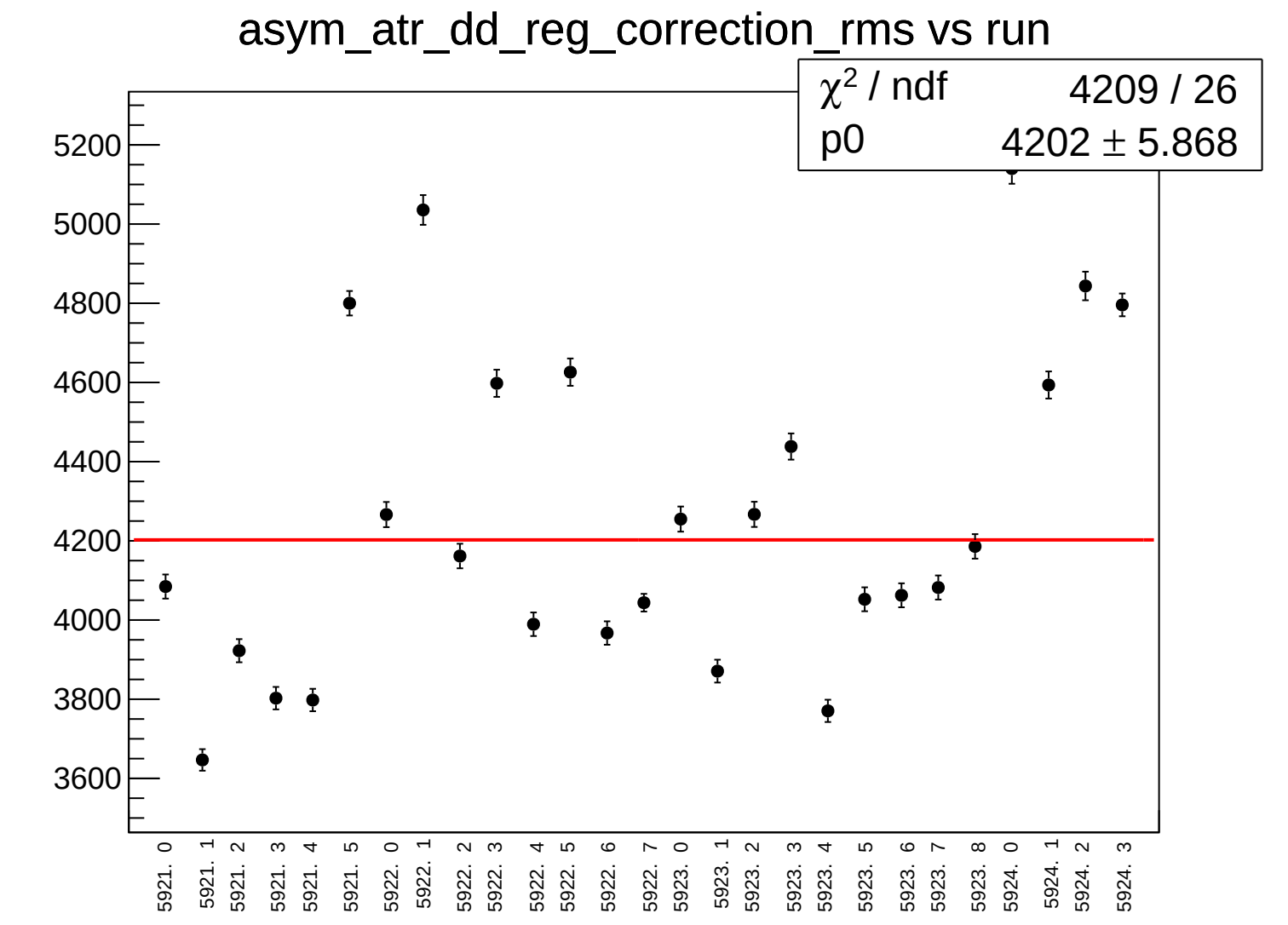

asym_atr_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.465e+05 / 26
p0 1.412e−10 ± 2.319e−13
1
0.8
0.6
0.4
0.2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

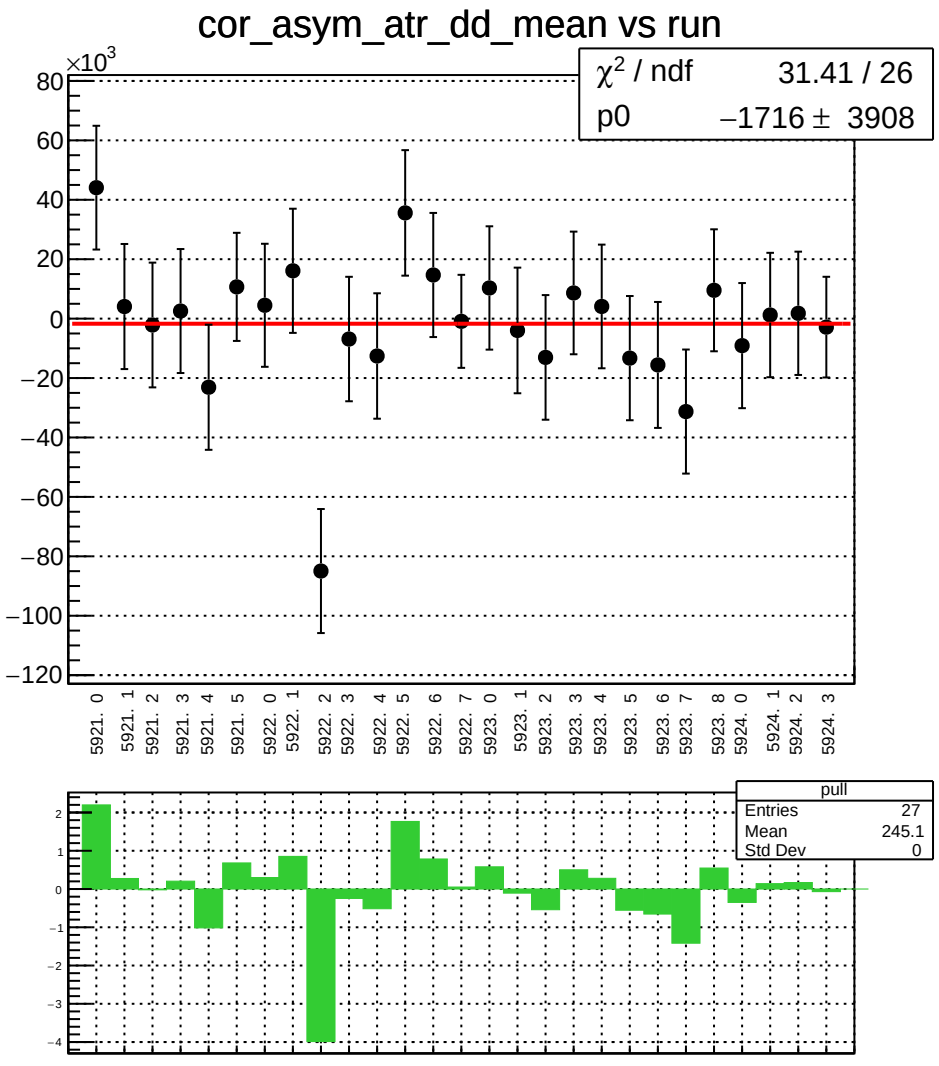

reg_asym_atr_dd_mean vs run
×10^3
χ^2 / ndf 31.41 / 26
p0 −1716 ± 3908
80
60
40
20
0
−20
−40
−60
−80
−100
−120
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 245.1
Std Dev 0
2
1
0
−1
−2
−3
−4

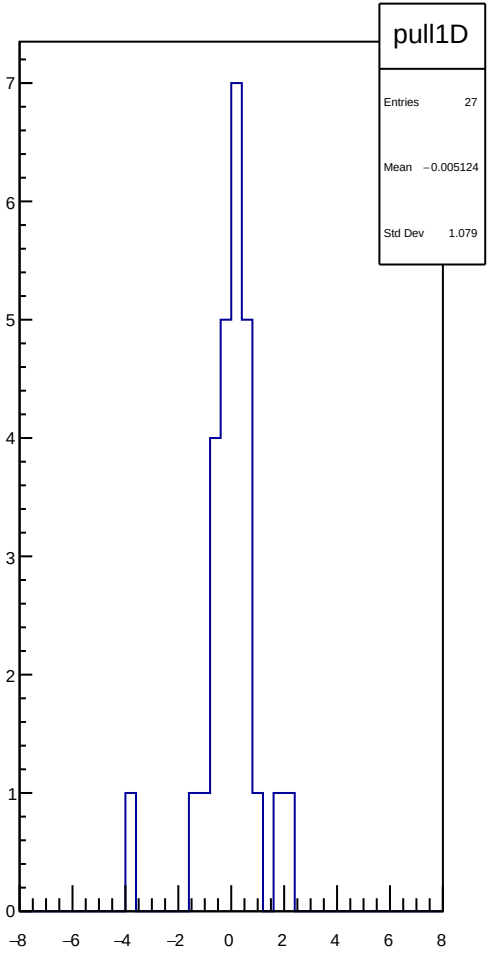

pull1D
Entries 27
Mean −0.005124
Std Dev 1.079
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

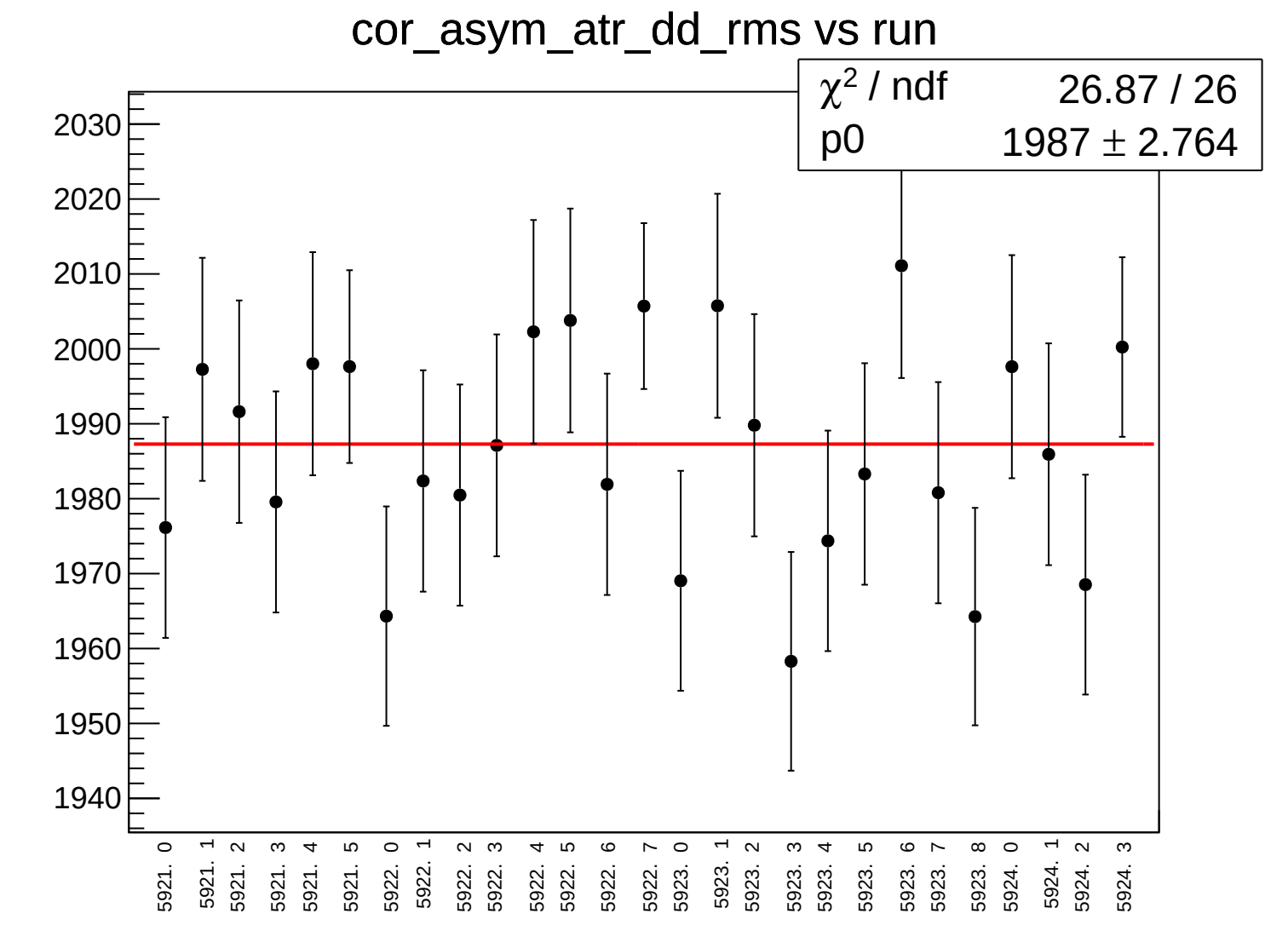

reg_asym_atr_dd_rms vs run
χ² / ndf 26.87 / 26
p0 1987 ± 2.764
2030
2020
2010
2000
1990
1980
1970
1960
1950
1940
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

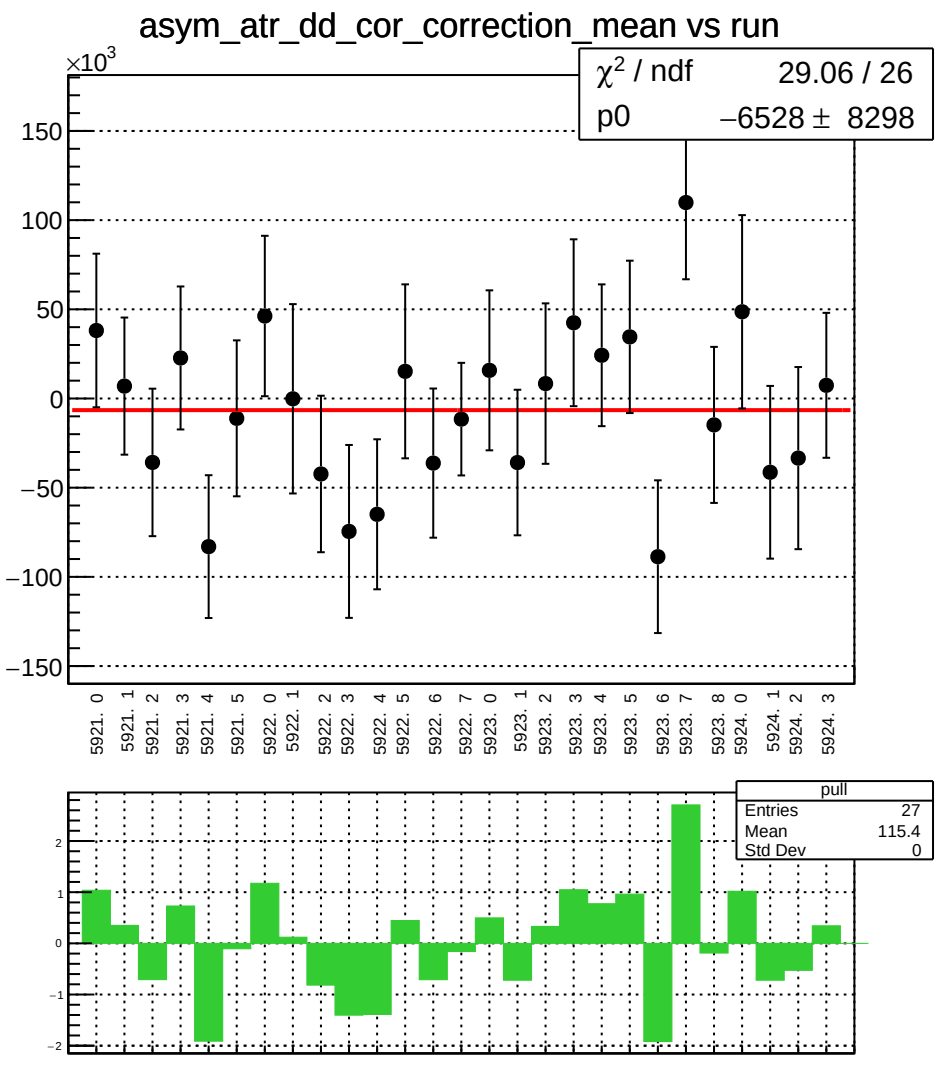

asym_atr_dd_reg_correction_mean vs run
×10^3
χ^2 / ndf 29.06 / 26
p0 −6528 ± 8298
150
100
50
0
−50
−100
−150
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 115.5
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.009577
Std Dev 1.037
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

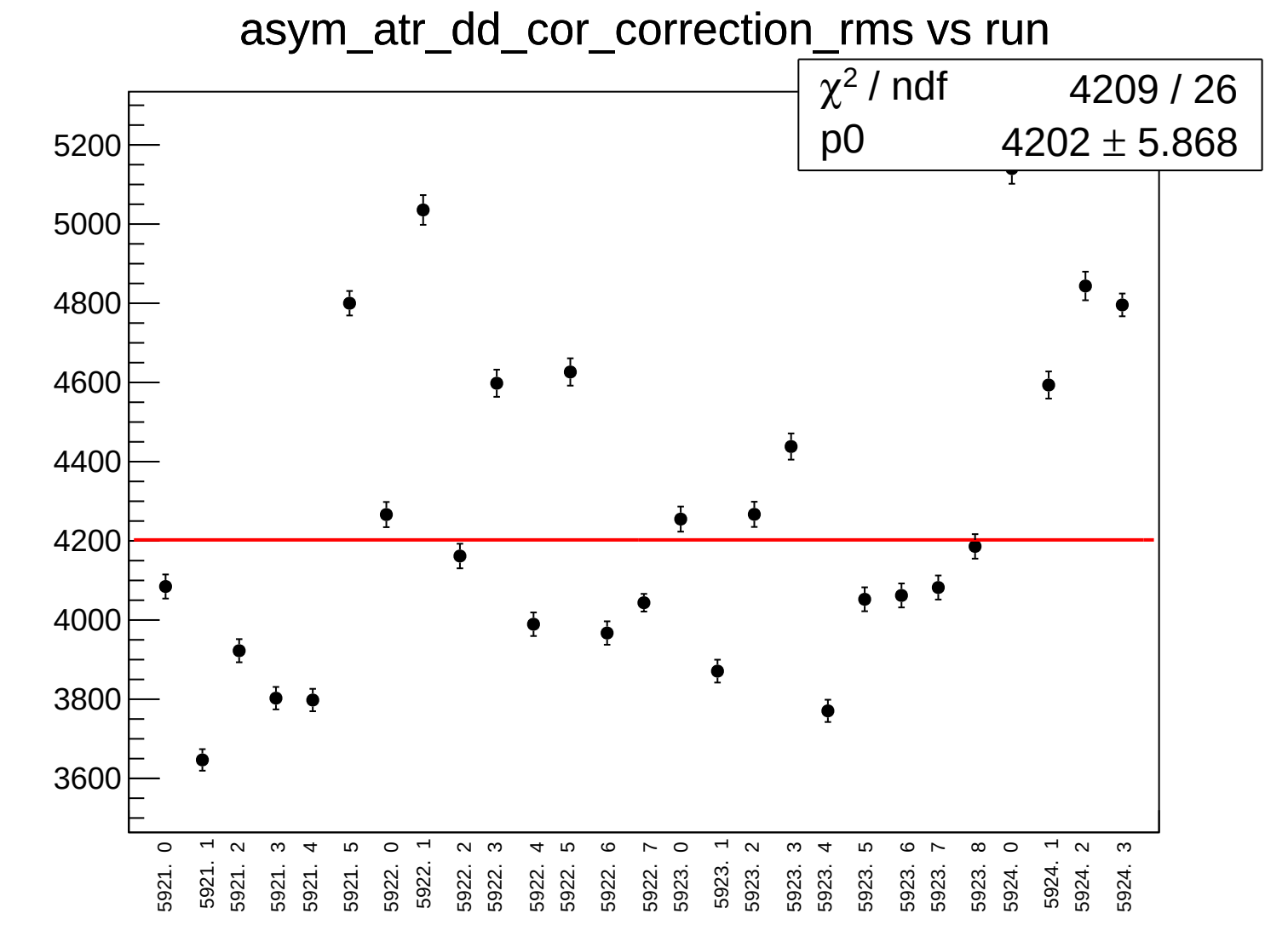

asym_atr_dd_reg_correction_rms vs run
χ² / ndf 4209 / 26
p0 4202 ± 5.868
5200
5000
4800
4600
4400
4200
4000
3800
3600
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

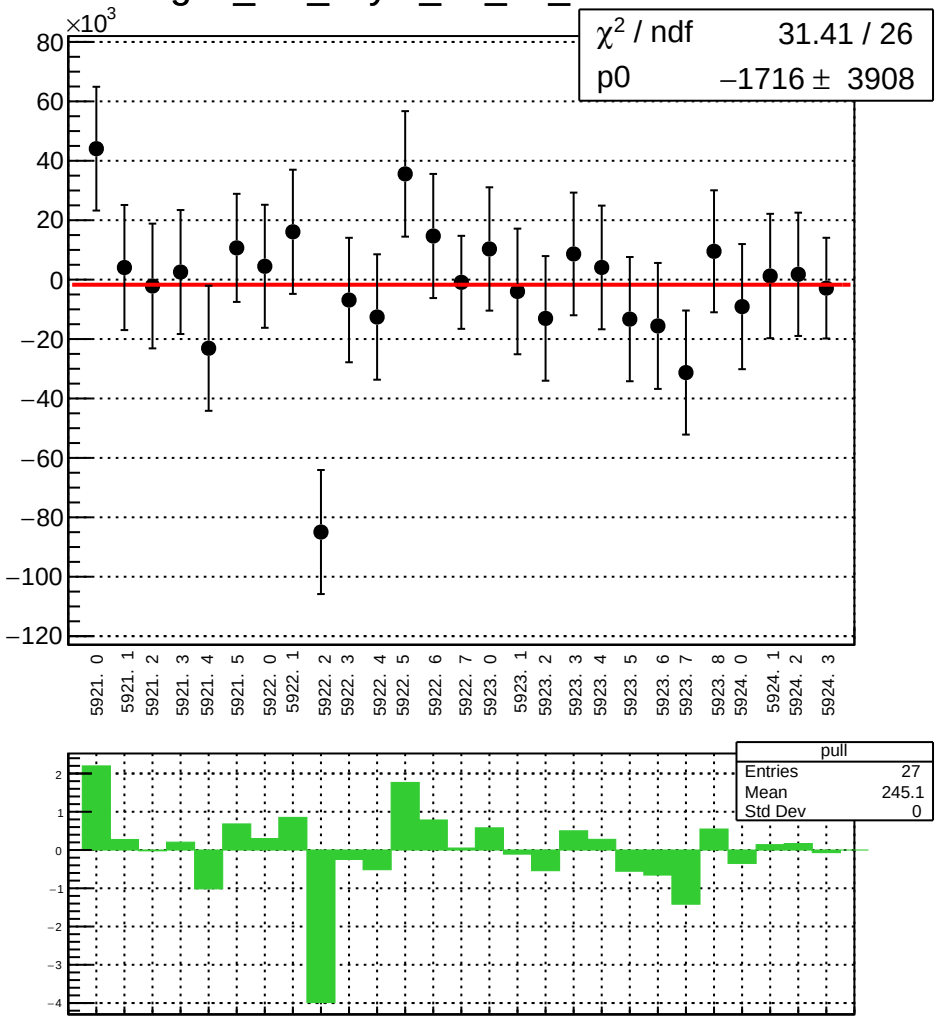

cor_asym_atr_dd_mean vs run
×10^3
χ^2 / ndf 31.41 / 26
p0 −1716 ± 3908
80
60
40
20
0
−20
−40
−60
−80
−100
−120
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 245.1
Std Dev 0
2
1
0
−1
−2
−3
−4

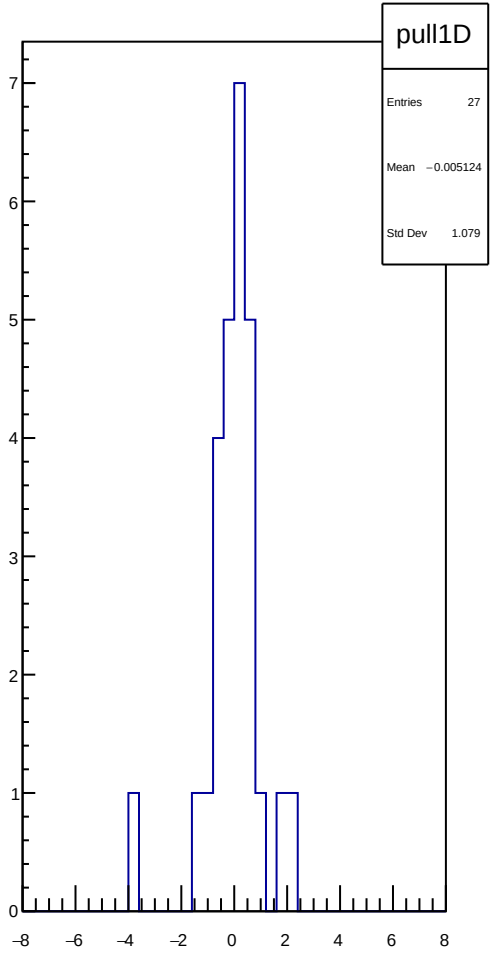

pull1D
Entries 27
Mean −0.005124
Std Dev 1.079
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

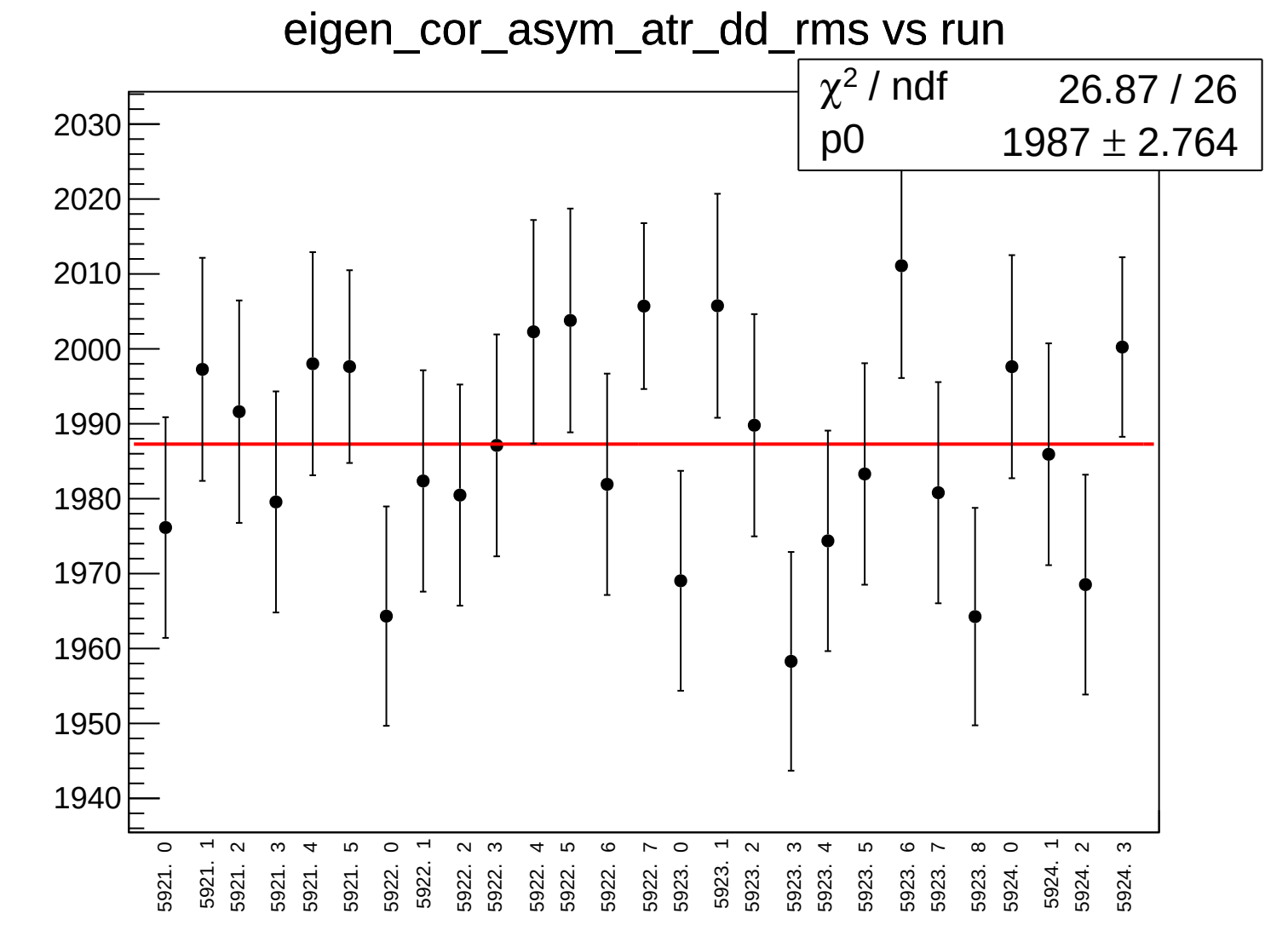

cor_asym_atr_dd_rms vs run
χ² / ndf 26.87 / 26
p0 1987 ± 2.764
2030
2020
2010
2000
1990
1980
1970
1960
1950
1940
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

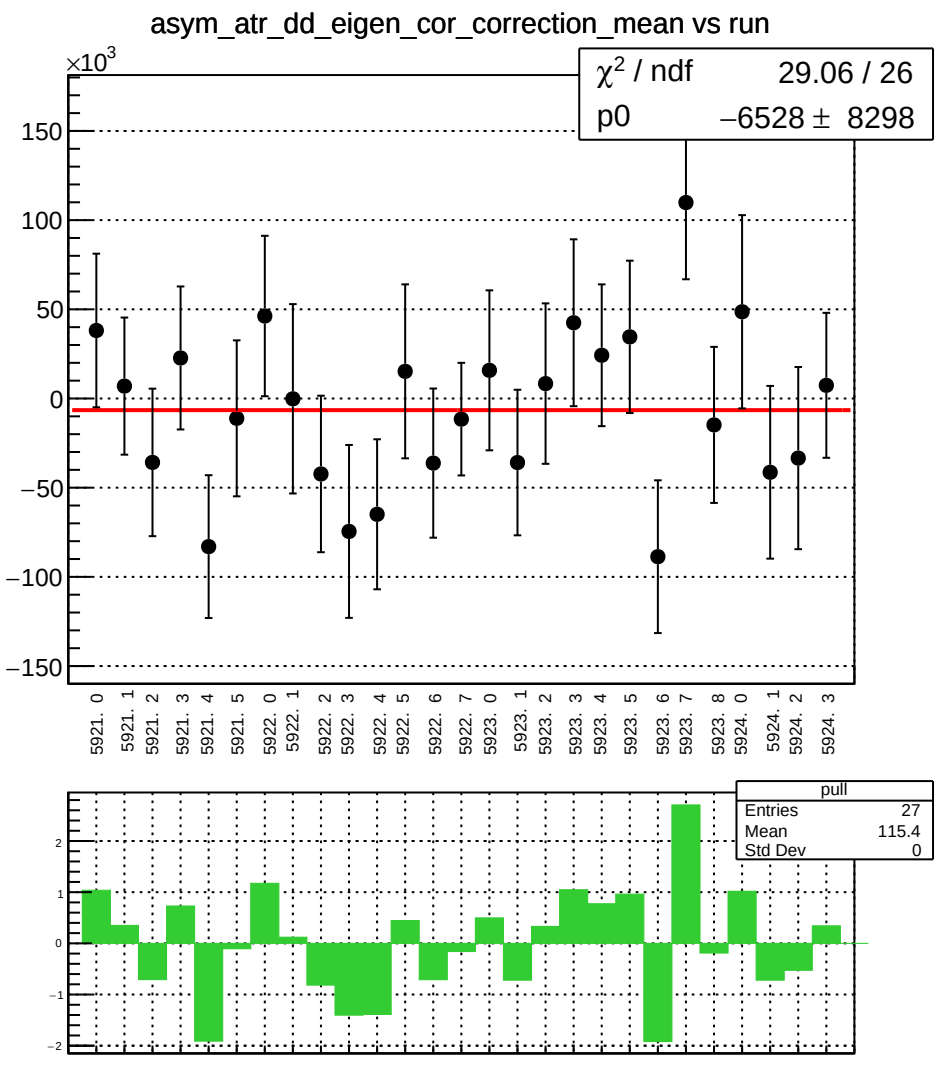

asym_atr_dd_cor_correction_mean vs run
×10^3
χ^2 / ndf 29.06 / 26
p0 −6528 ± 8298
150
100
50
0
−50
−100
−150
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 115.4
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.009584
Std Dev 1.037
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

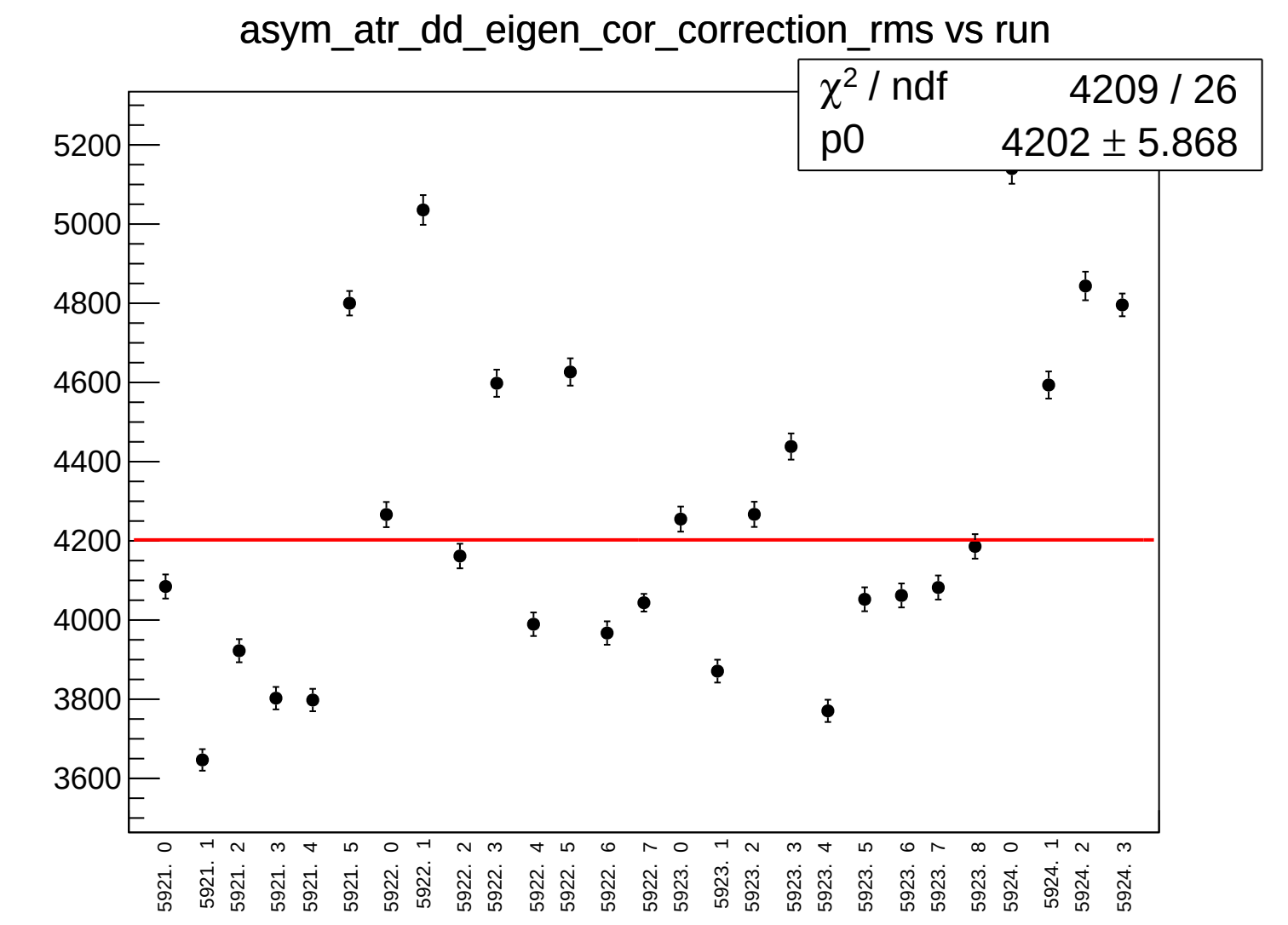

asym_atr_dd_cor_correction_rms vs run
χ² / ndf 4209 / 26
p0 4202 ± 5.868
5200
5000
4800
4600
4400
4200
4000
3800
3600
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

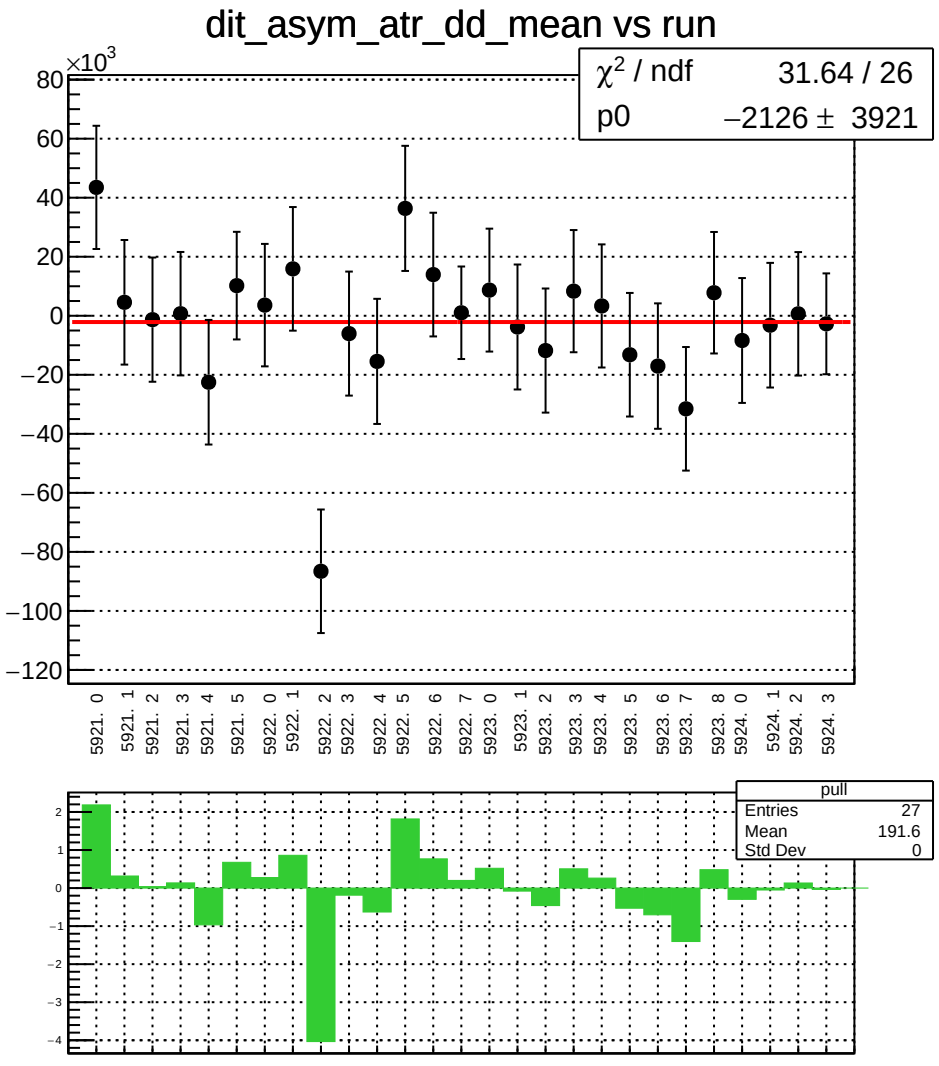

eigen_cor_asym_atr_dd_mean vs run
χ² / ndf 31.41 / 26
p0 −1716 ± 3908
×10³
pull
Entries 27
Mean 245.1
Std Dev 0

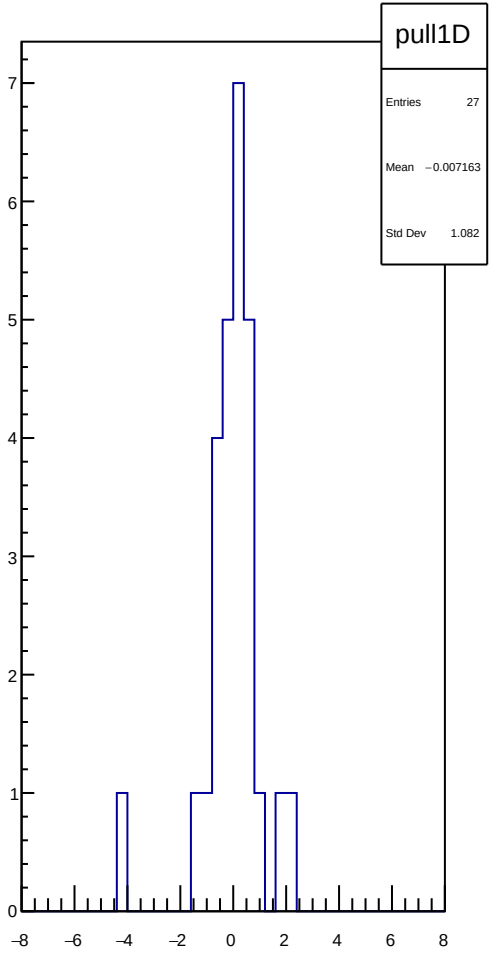

pull1D
Entries 27
Mean −0.005124
Std Dev 1.079

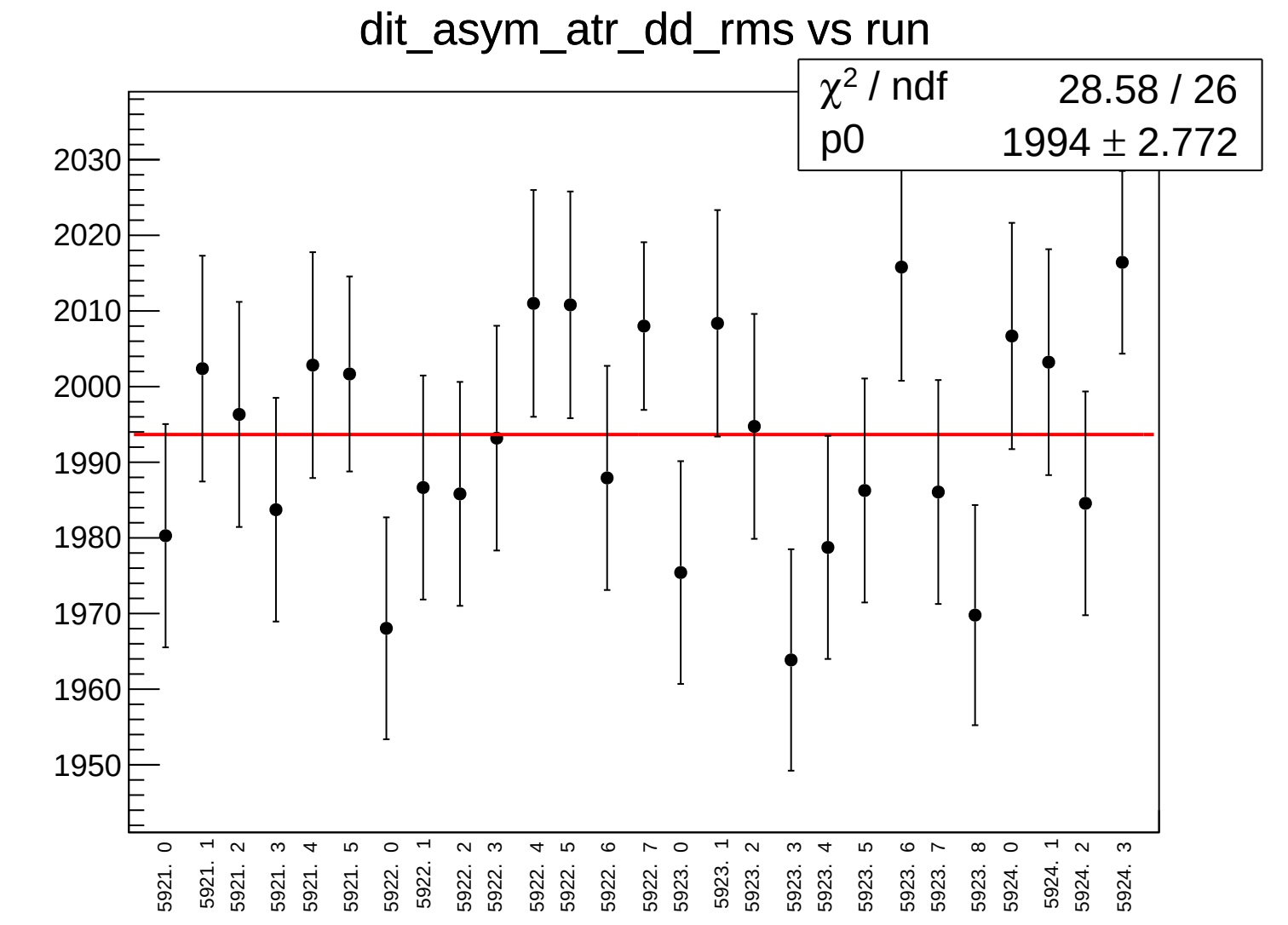

eigen_cor_asym_atr_dd_rms vs run
χ² / ndf 26.87 / 26
p0 1987 ± 2.764
2030
2020
2010
2000
1990
1980
1970
1960
1950
1940
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

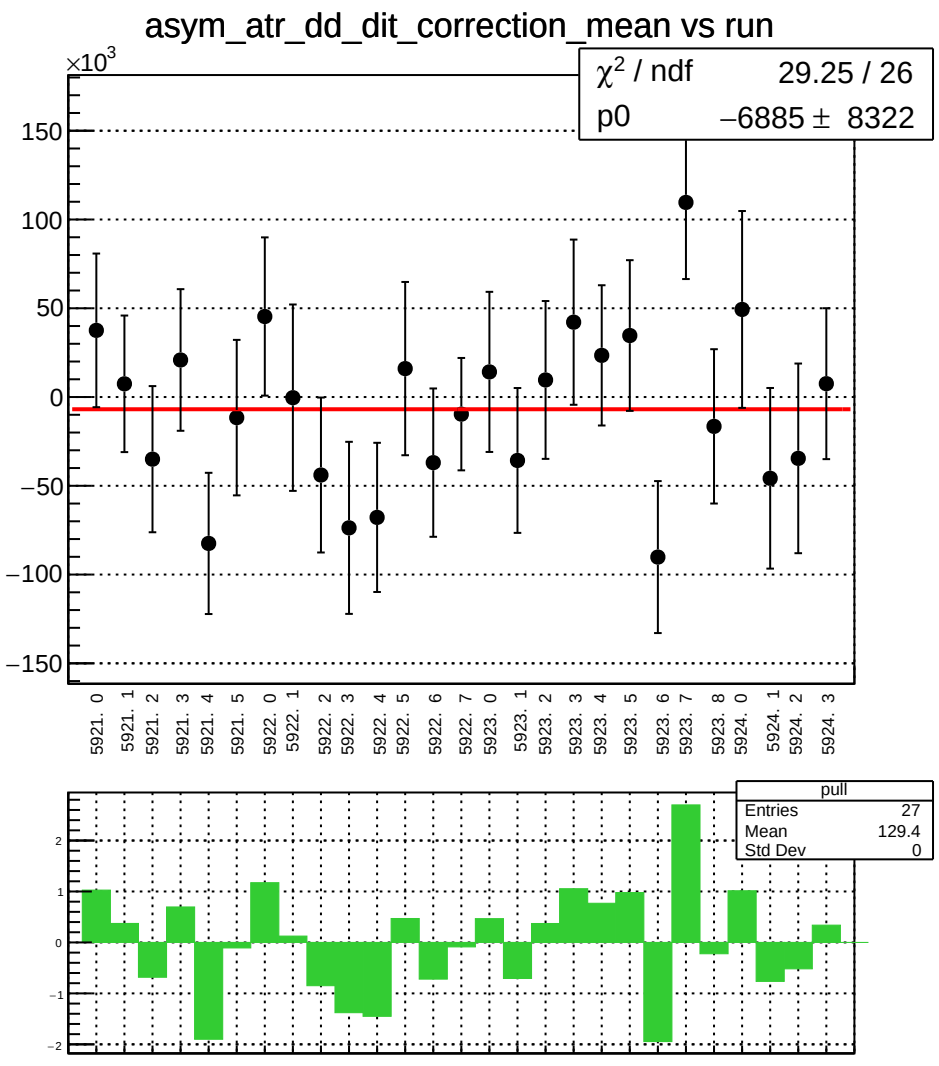

asym_atr_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 29.06 / 26
p0 −6528 ± 8298
150
100
50
0
−50
−100
−150
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 115.4
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.009584
Std Dev 1.037
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

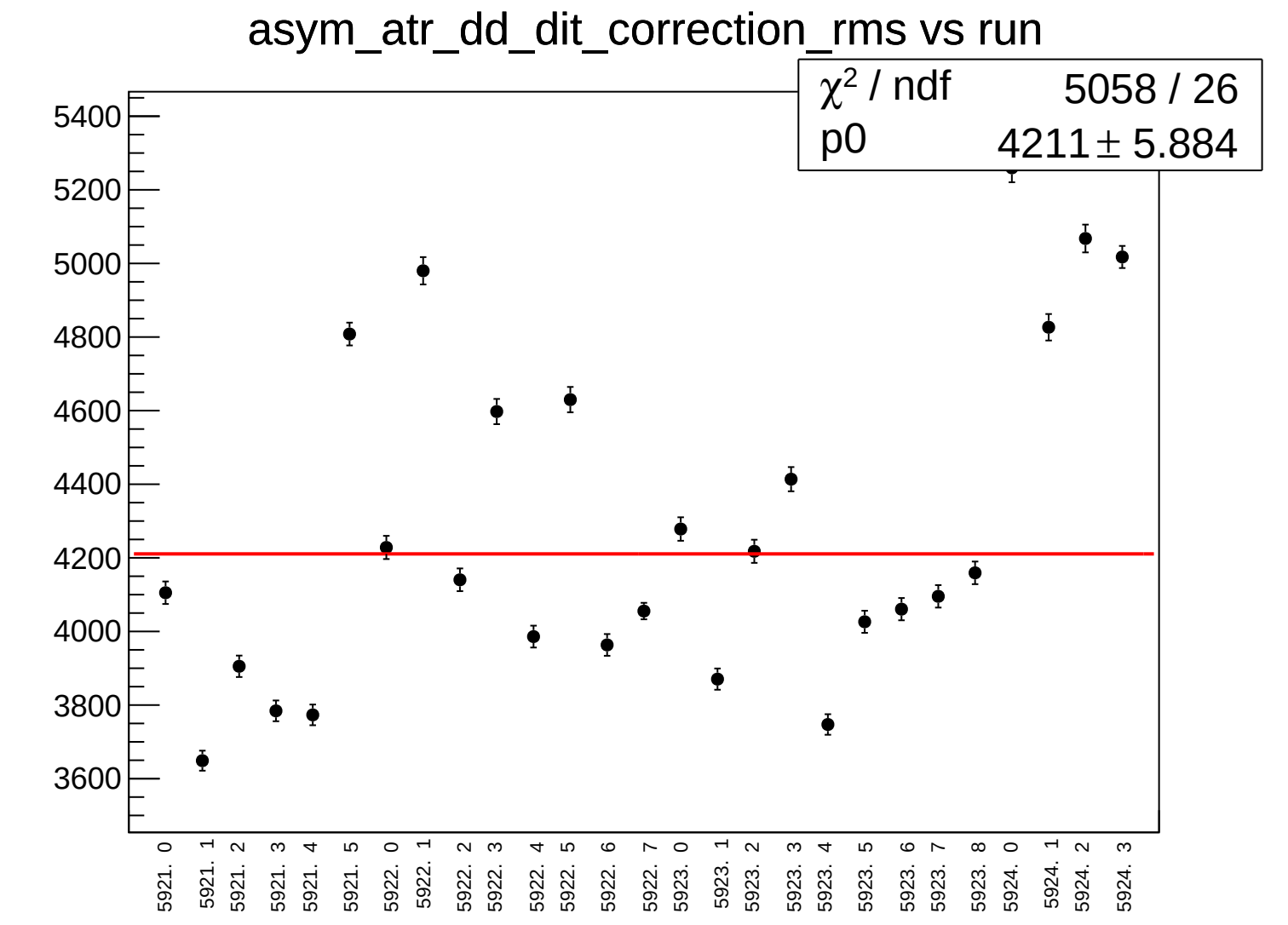

asym_atr_dd_eigen_cor_correction_rms vs run
χ² / ndf 4209 / 26
p0 4202 ± 5.868
5200
5000
4800
4600
4400
4200
4000
3800
3600
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

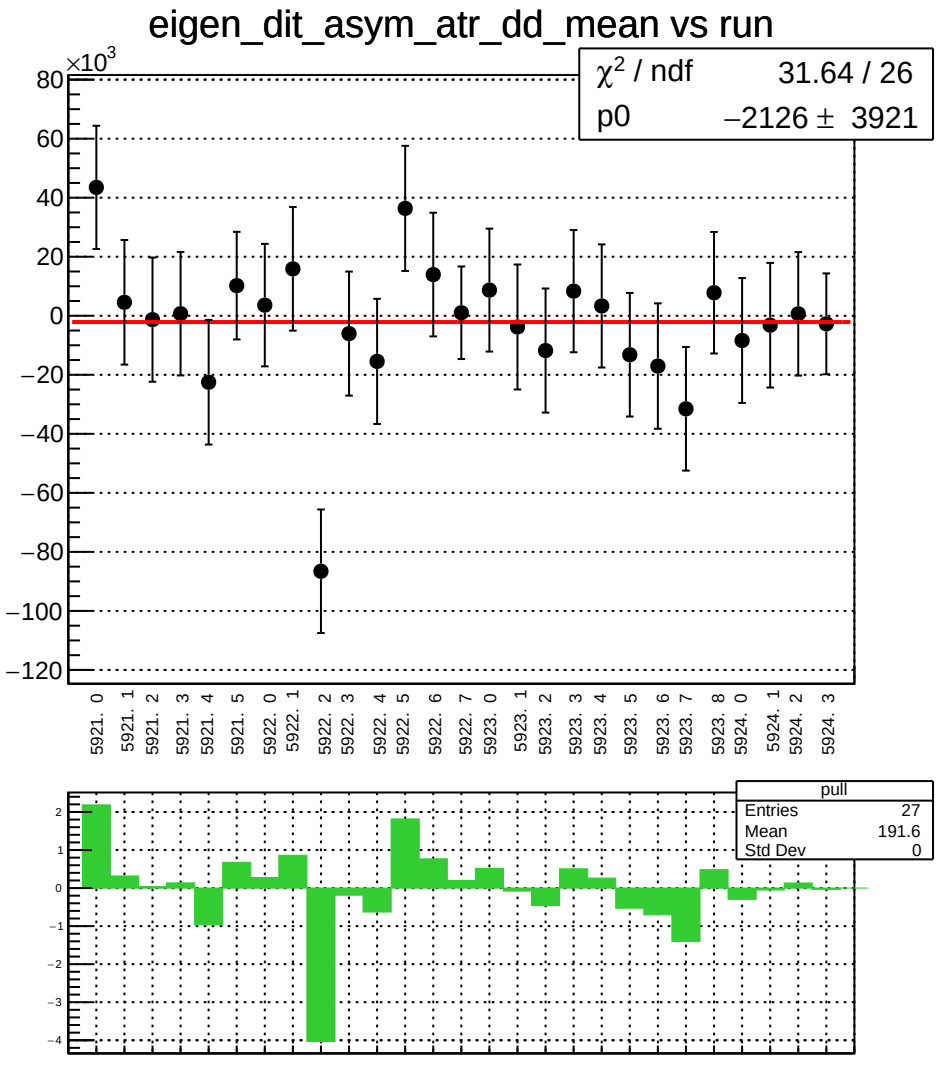

dit_asym_atr_dd_mean vs run
×10^3
χ^2 / ndf 31.64 / 26
p0 −2126 ± 3921
80
60
40
20
0
−20
−40
−60
−80
−100
−120
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 191.6
Std Dev 0
2
1
0
−1
−2
−3
−4

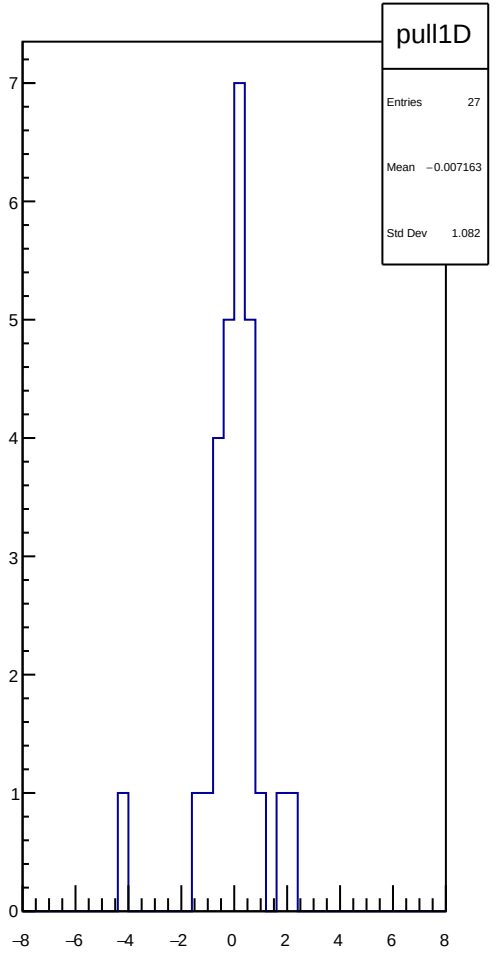

pull1D
Entries 27
Mean −0.007163
Std Dev 1.082
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

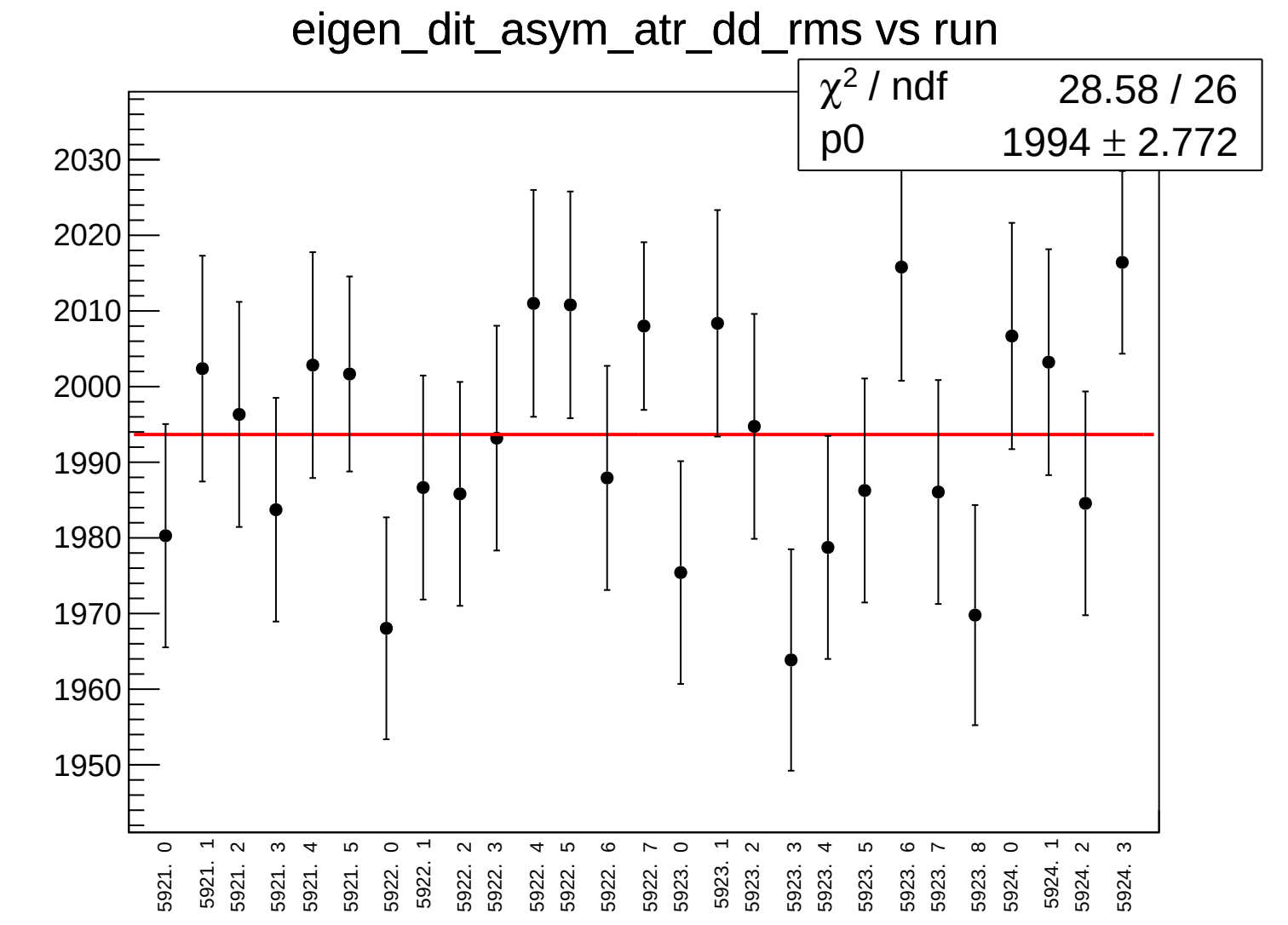

dit_asym_atr_dd_rms vs run
χ² / ndf 28.58 / 26
p0 1994 ± 2.772
2030
2020
2010
2000
1990
1980
1970
1960
1950
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

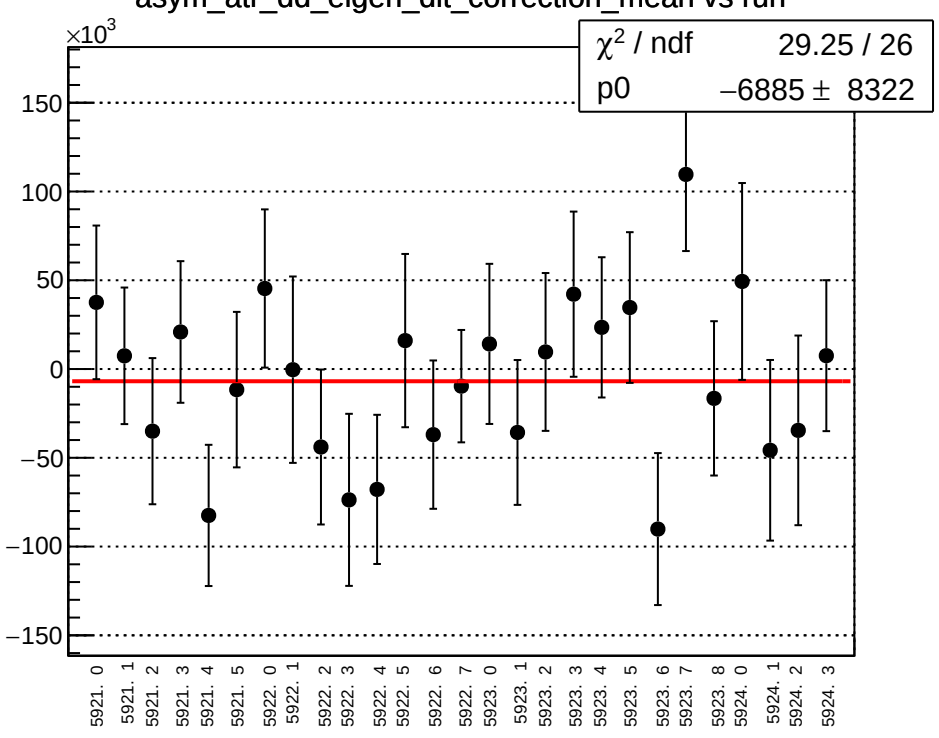

asym_atr_dd_dit_correction_mean vs run
×10^3
χ² / ndf 29.25 / 26
p0 −6885 ± 8322
150
100
50
0
−50
−100
−150
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 129.4
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.008192
Std Dev 1.041
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

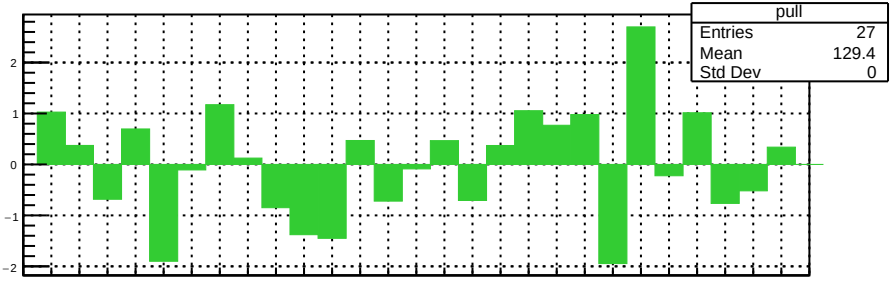

asym_atr_dd_dit_correction_rms vs run
χ² / ndf 5058 / 26
p0 4211 ± 5.884
5400
5200
5000
4800
4600
4400
4200
4000
3800
3600
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

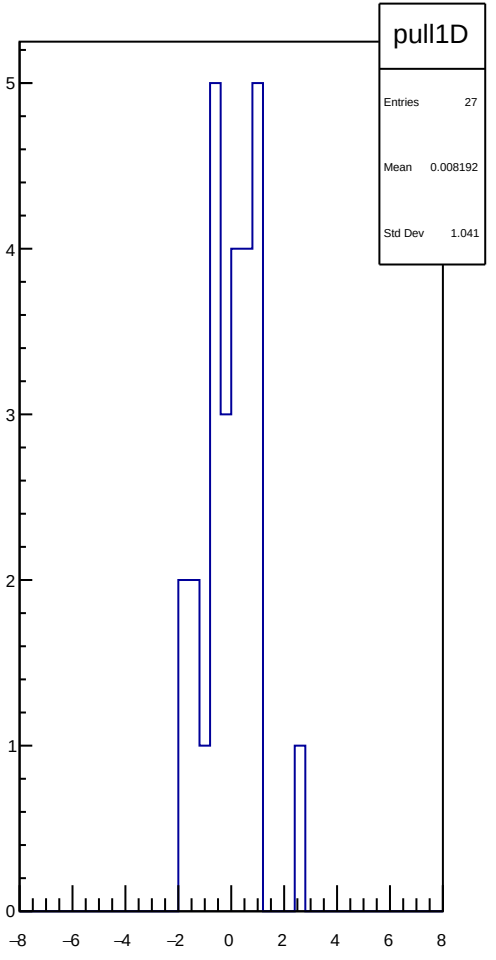

eigen_dit_asym_atr_dd_mean vs run
×10^3
χ^2 / ndf 31.64 / 26
p0 −2126 ± 3921
80
60
40
20
0
−20
−40
−60
−80
−100
−120
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 191.6
Std Dev 0
2
1
0
−1
−2
−3
−4

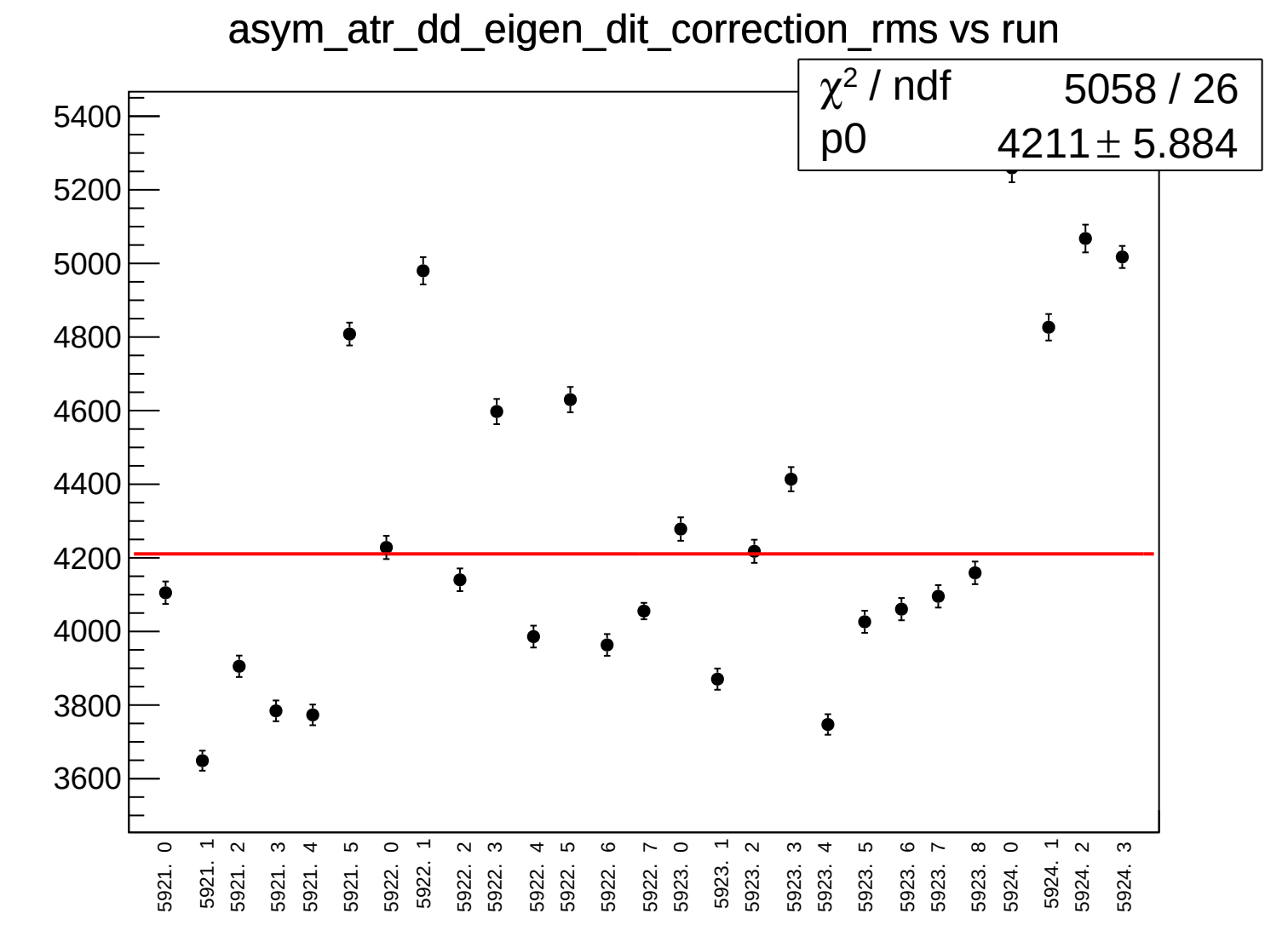

pull1D
Entries 27
Mean −0.007163
Std Dev 1.082
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

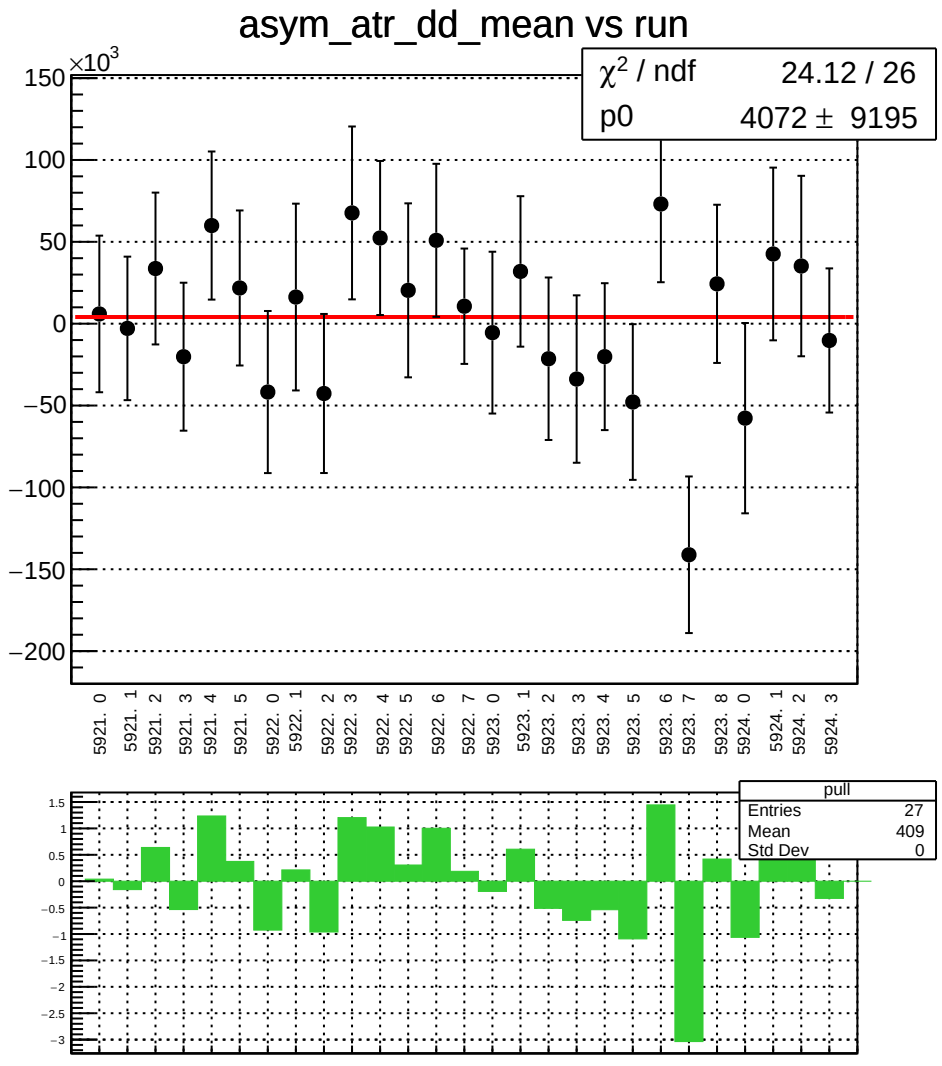

eigen_dit_asym_atr_dd_rms vs run
χ² / ndf 28.58 / 26
p0 1994 ± 2.772
2030
2020
2010
2000
1990
1980
1970
1960
1950
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

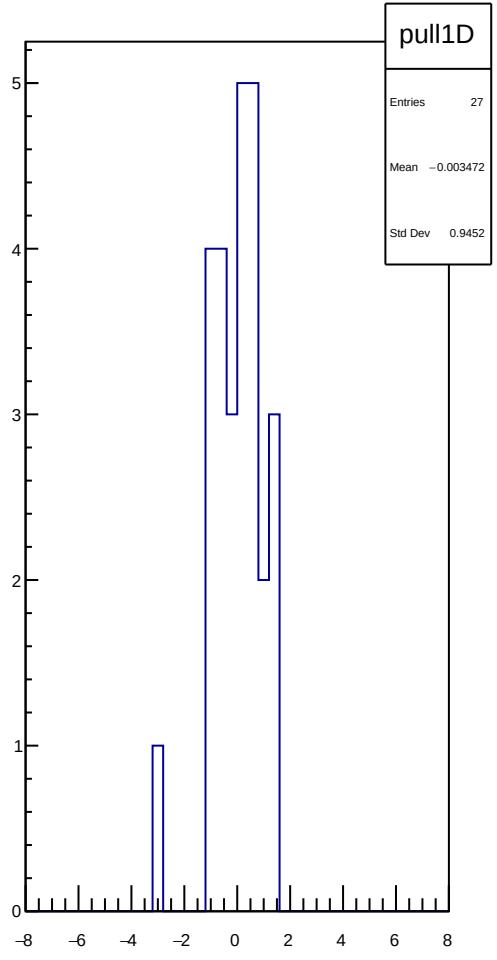

asym_atr_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 29.25 / 26
p0 −6885 ± 8322
150
100
50
0
−50
−100
−150
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

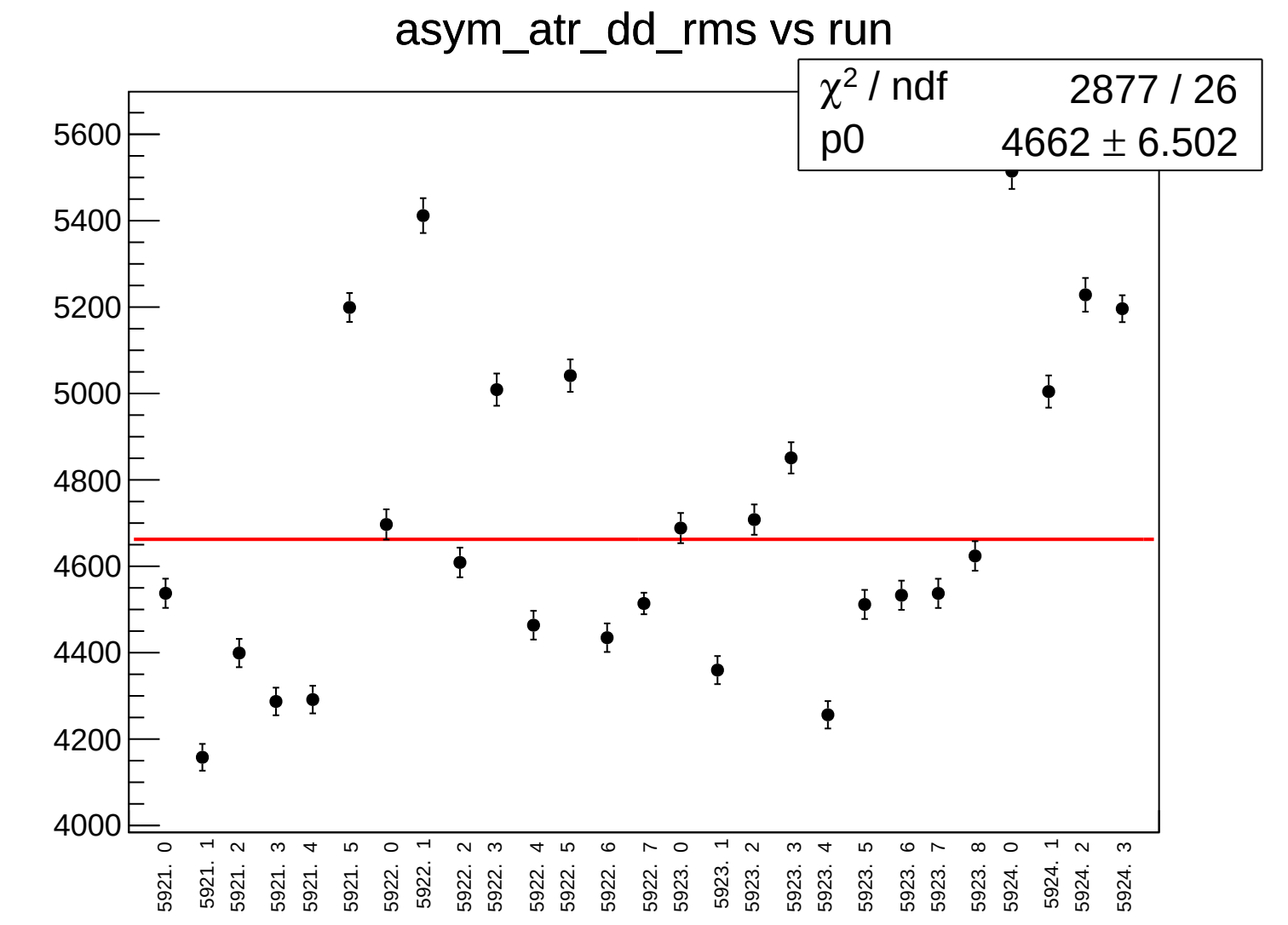

pull
Entries 27
Mean 129.4
Std Dev 0
2
1
0
−1
−2

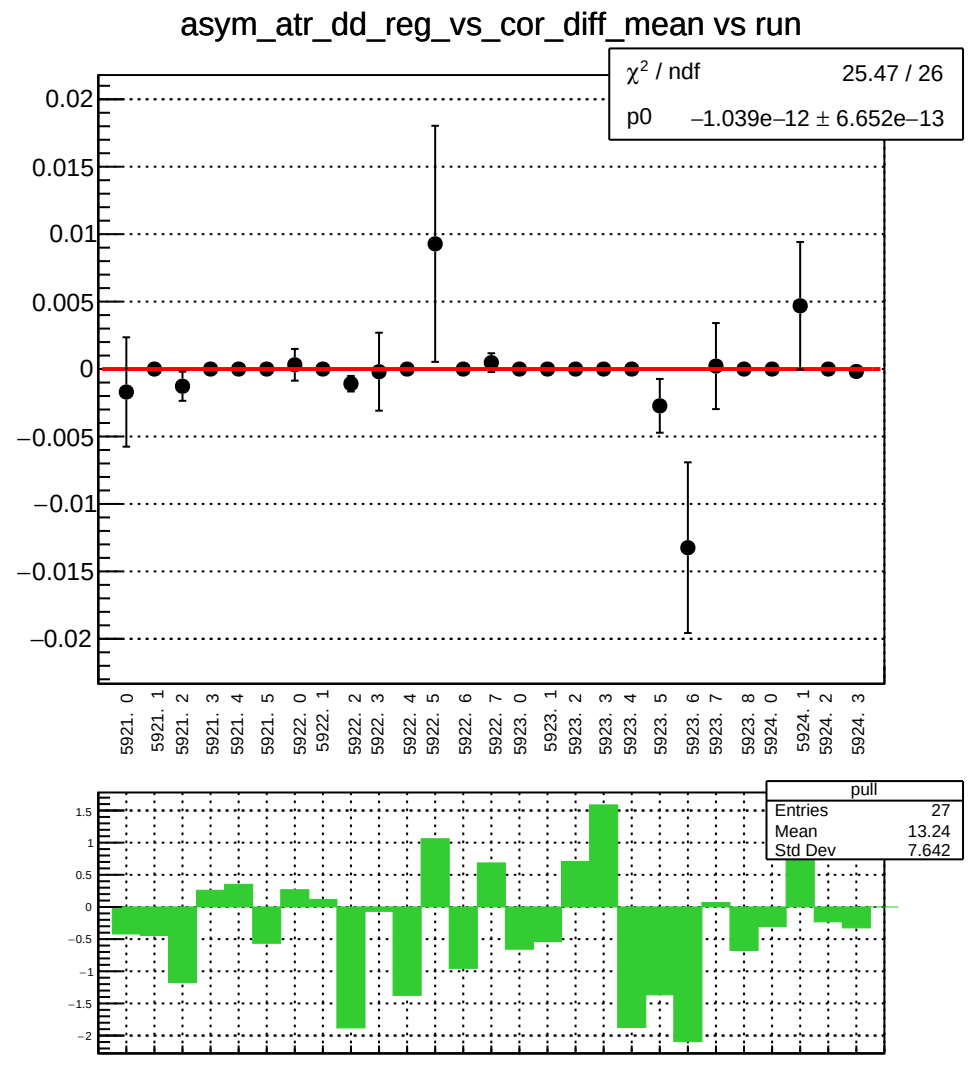

pull1D
Entries 27
Mean 0.008192
Std Dev 1.041
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

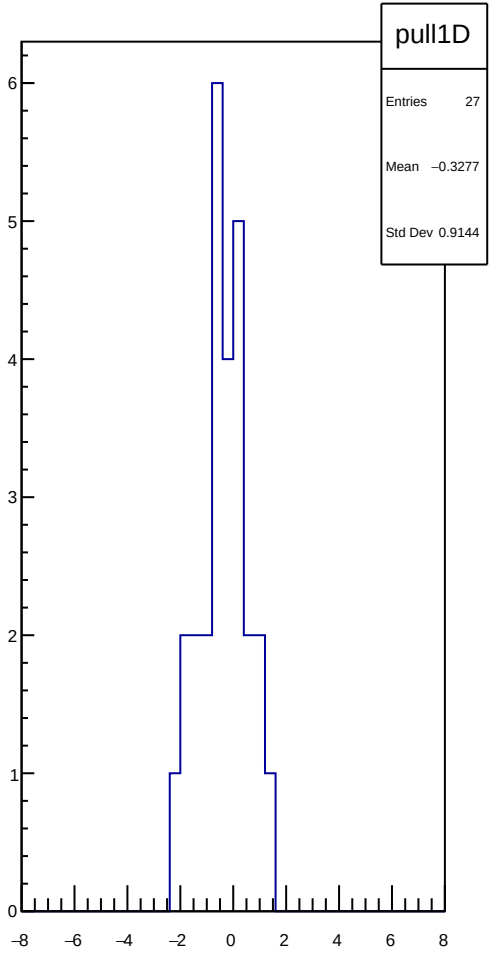

asym_atr_dd_eigen_dit_correction_rms vs run
χ² / ndf 5058 / 26
p0 4211 ± 5.884
5400
5200
5000
4800
4600
4400
4200
4000
3800
3600
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

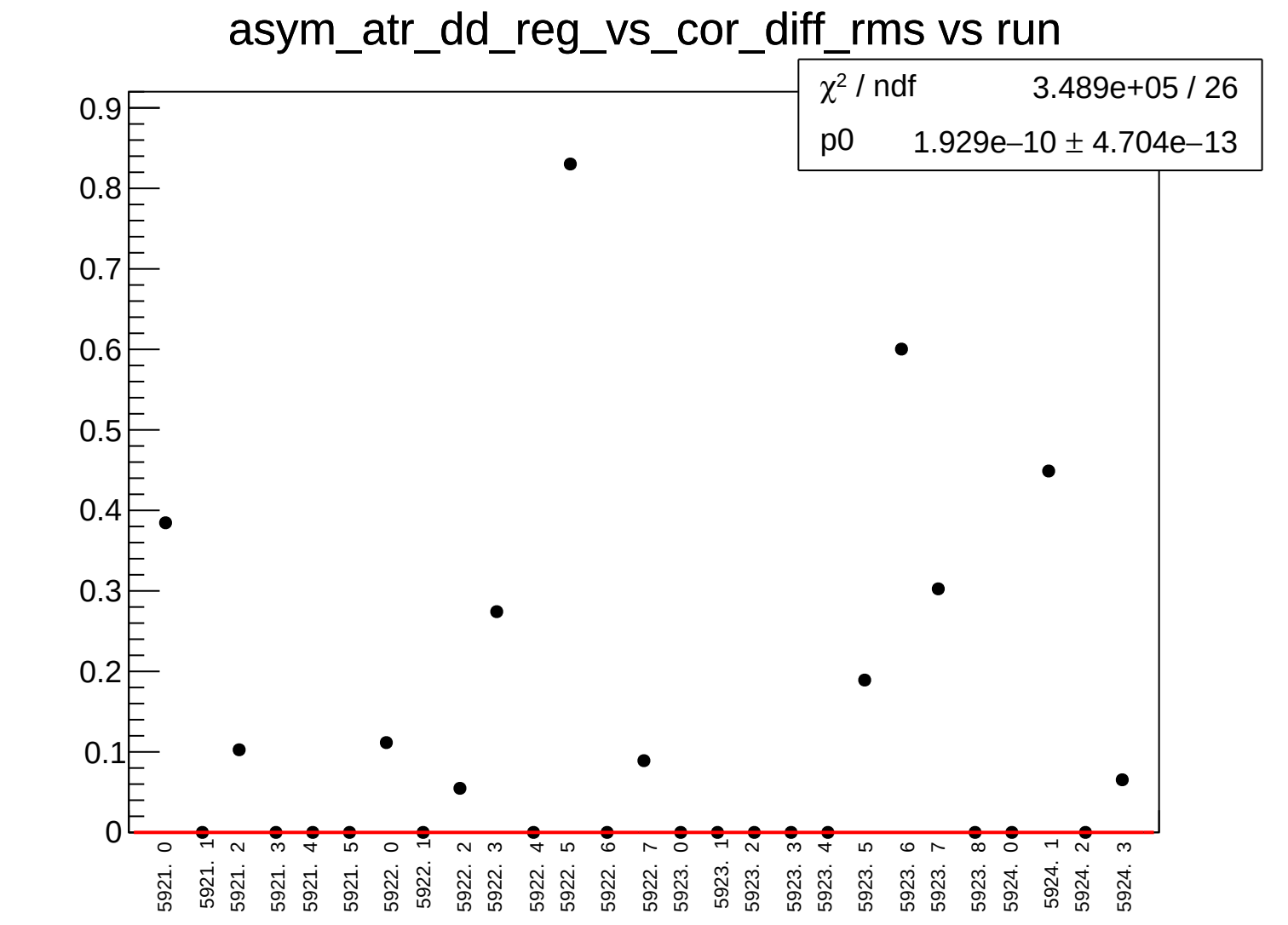

asym_atr_dd_mean vs run
×10^3
χ^2 / ndf 24.12 / 26
p0 4072 ± 9195
150
100
50
0
−50
−100
−150
−200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 409
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

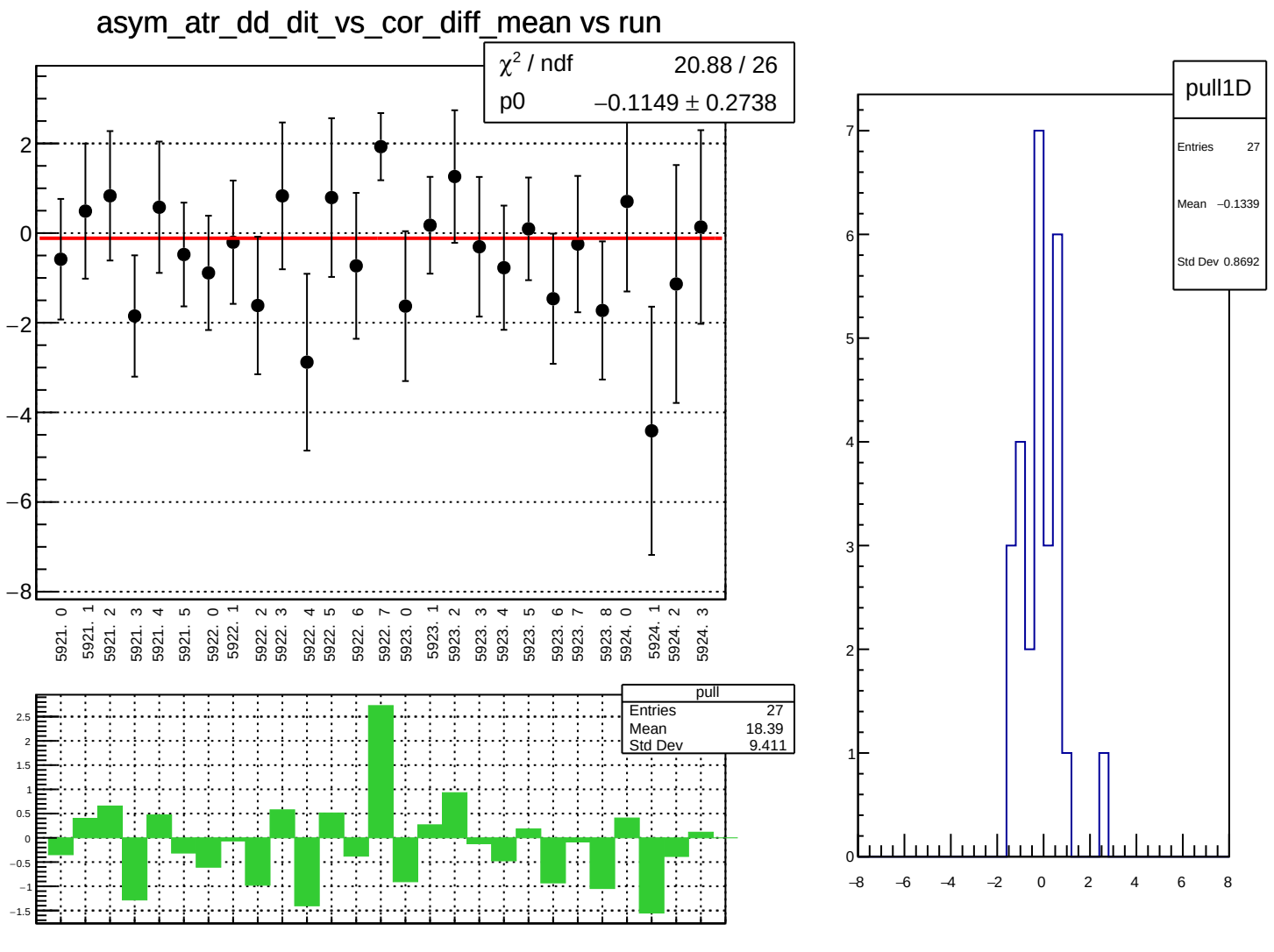

pull1D
Entries 27
Mean −0.003472
Std Dev 0.9452
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

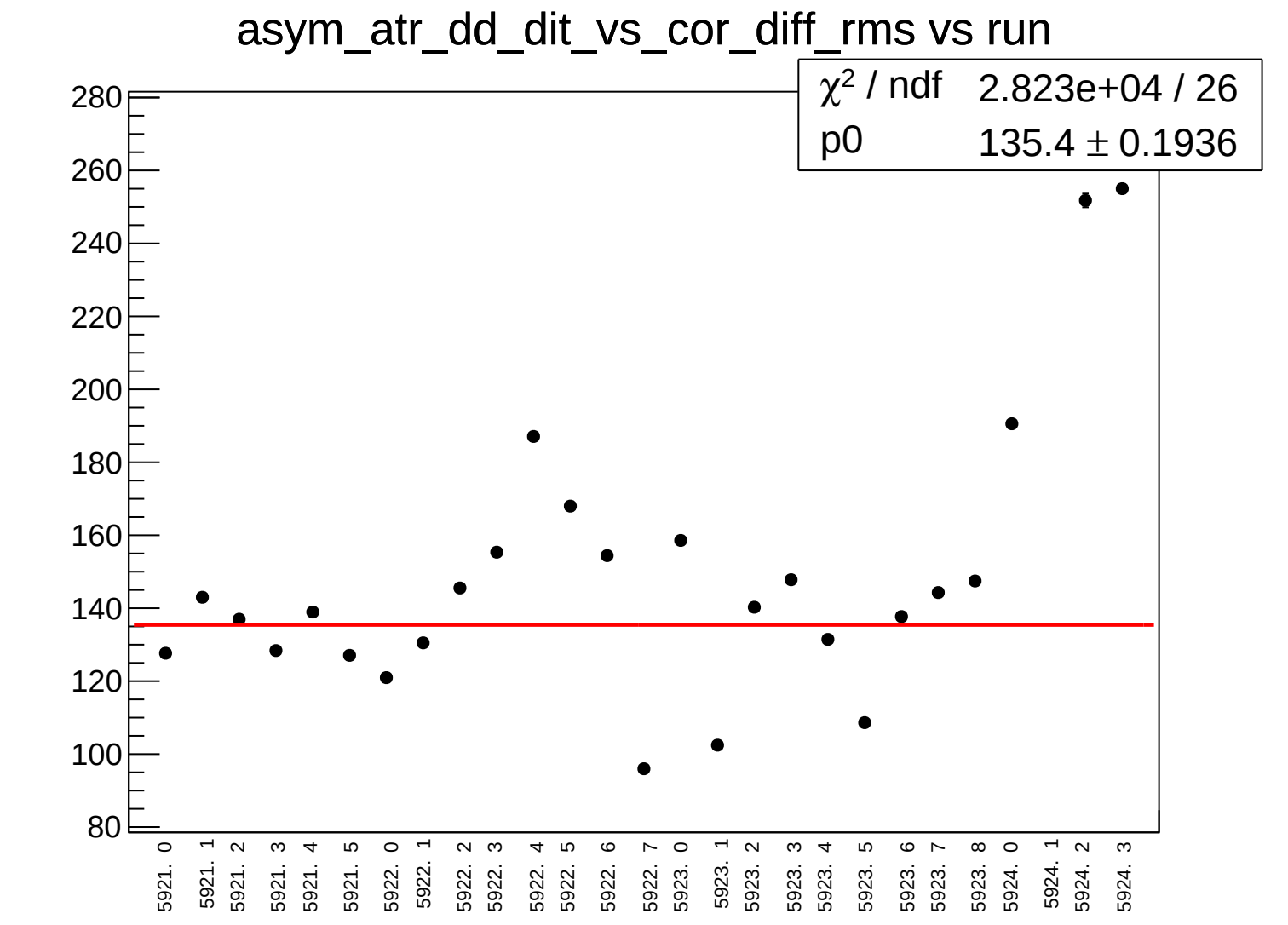

asym_atr_dd_rms vs run
χ² / ndf 2877 / 26
p0 4662 ± 6.502
5600
5400
5200
5000
4800
4600
4400
4200
4000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

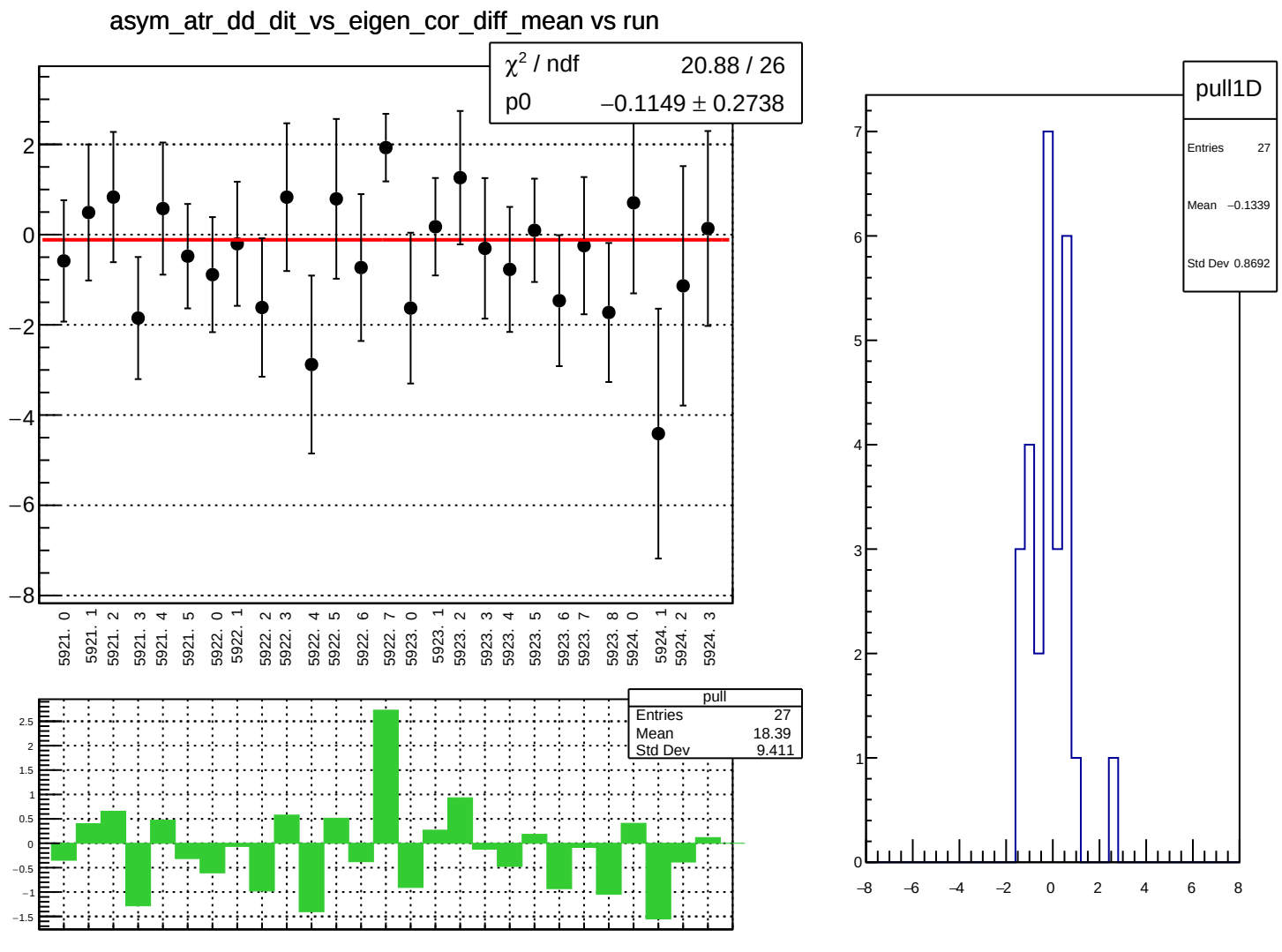

asym_atr_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 25.47 / 26
p0 −1.039e−12 ± 6.652e−13
0.02
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 13.24
Std Dev 7.642
1.5
1
0.5
0
−0.5
−1
−1.5
−2

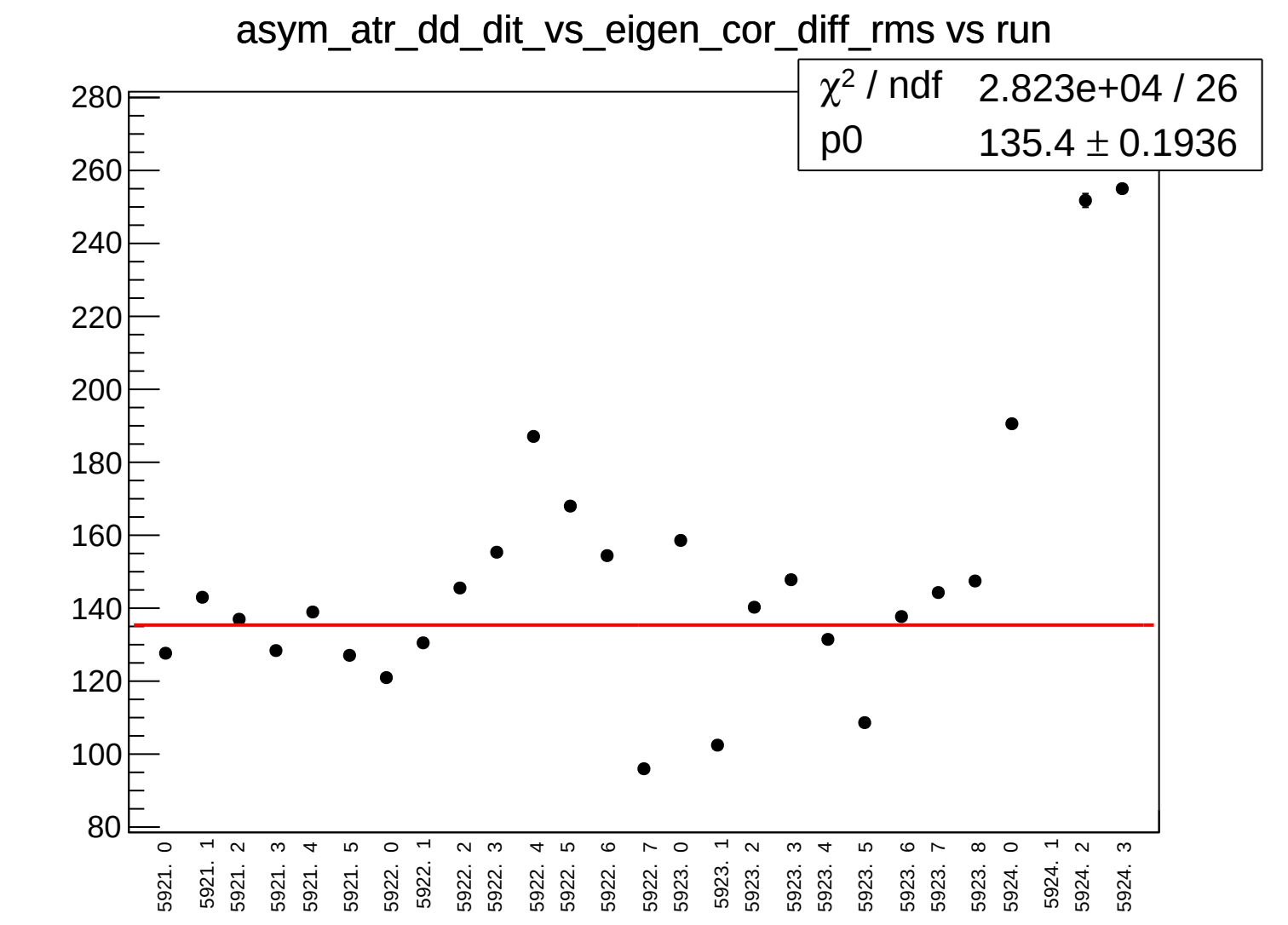

pull1D
Entries 27
Mean −0.3277
Std Dev 0.9144
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

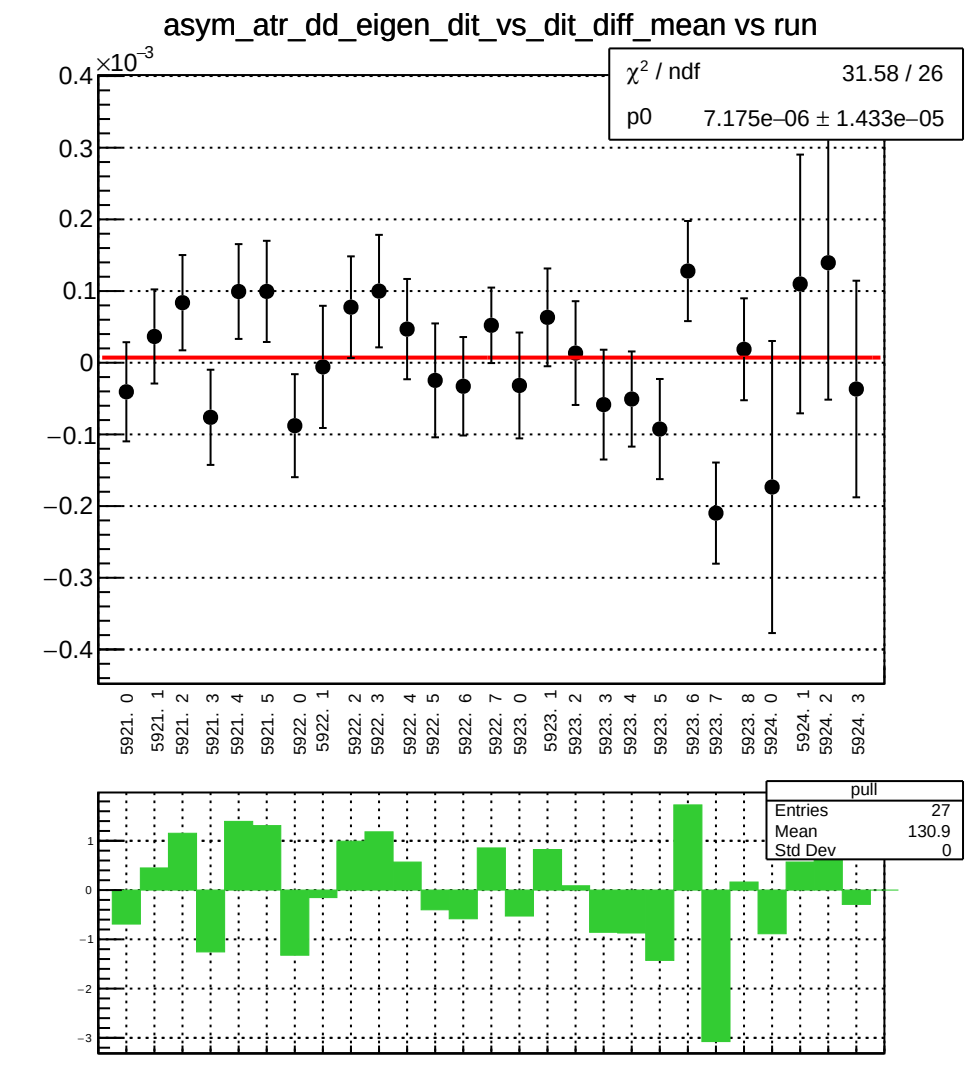

asym_atr_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.489e+05 / 26
p0 1.929e−10 ± 4.704e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

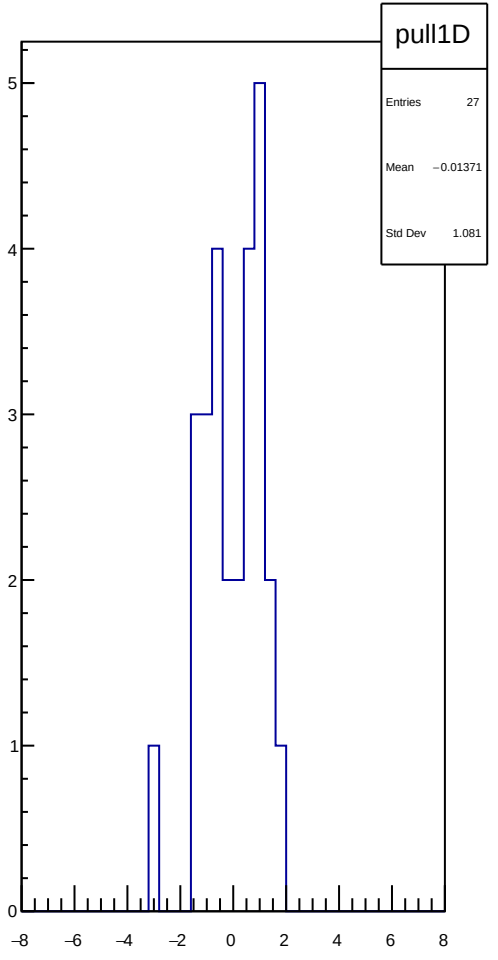

asym_atr_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 20.88 / 26
p0 −0.1149 ± 0.2738
2
0
−2
−4
−6
−8
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 18.39
Std Dev 9.411
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.1339
Std Dev 0.8692
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

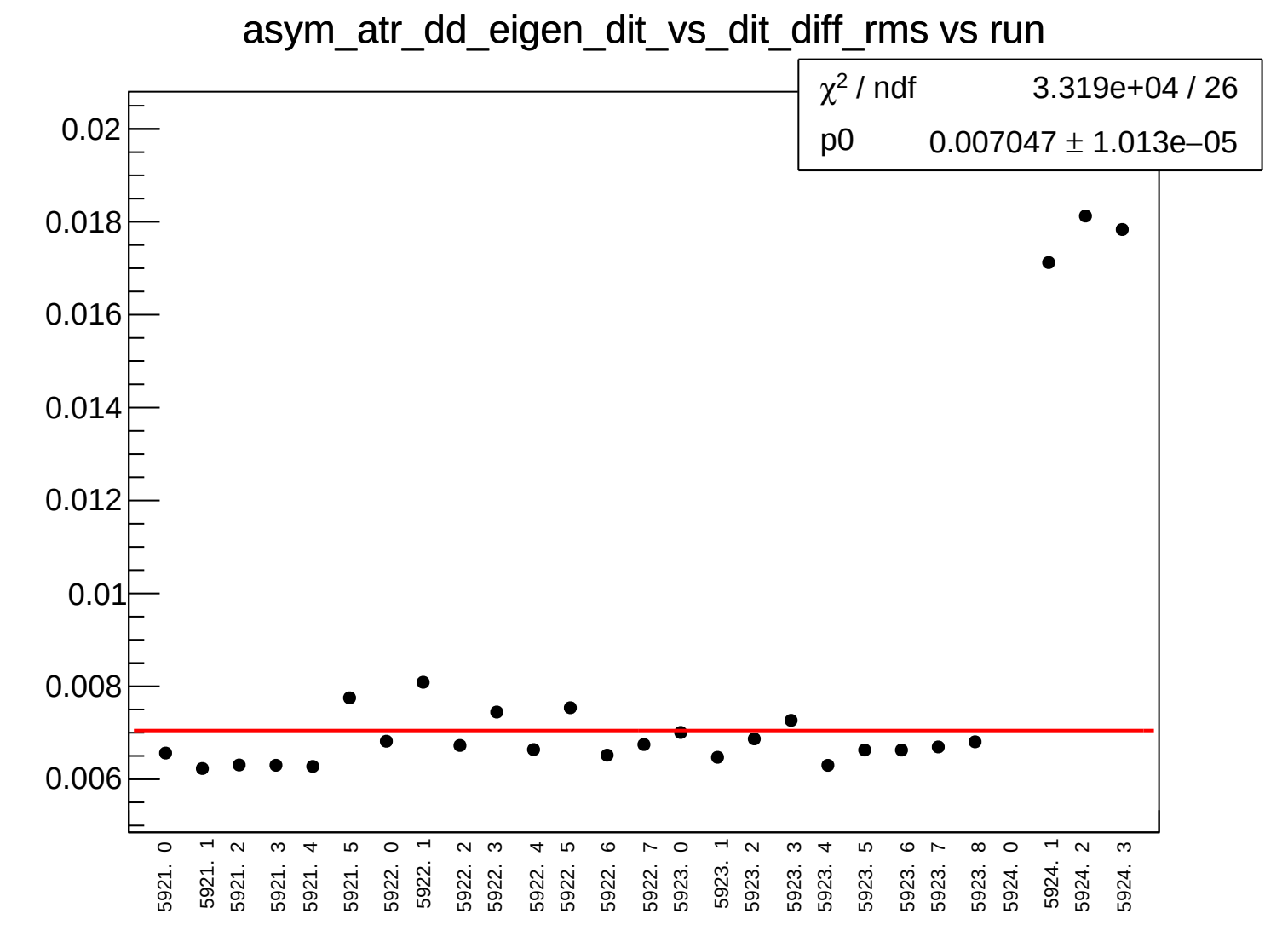

asym_atr_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.823e+04 / 26
p0 135.4 ± 0.1936
280
260
240
220
200
180
160
140
120
100
80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

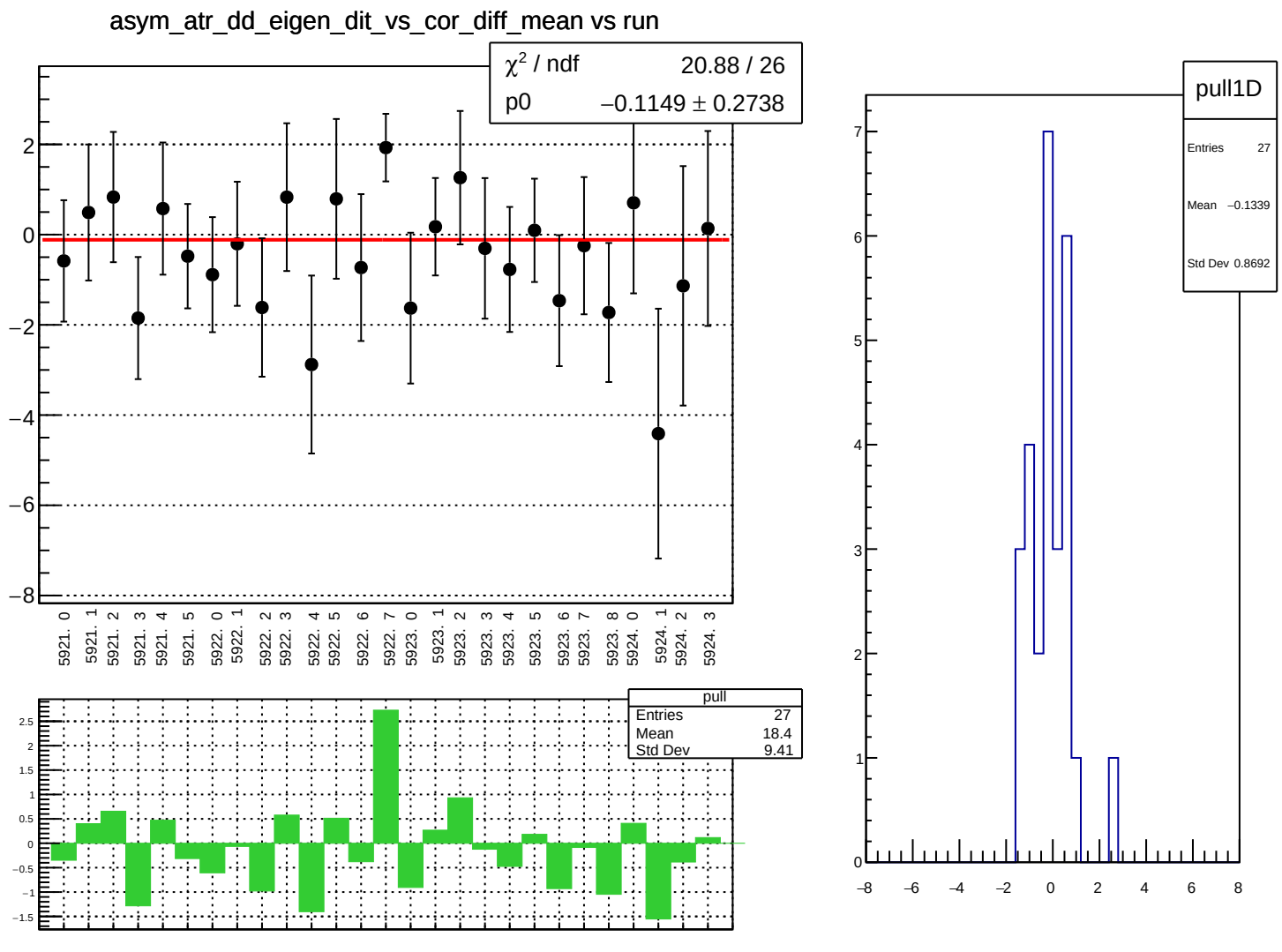

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 20.88 / 26
p0 −0.1149 ± 0.2738
2
0
−2
−4
−6
−8
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 18.39
Std Dev 9.411
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.1339
Std Dev 0.8692
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

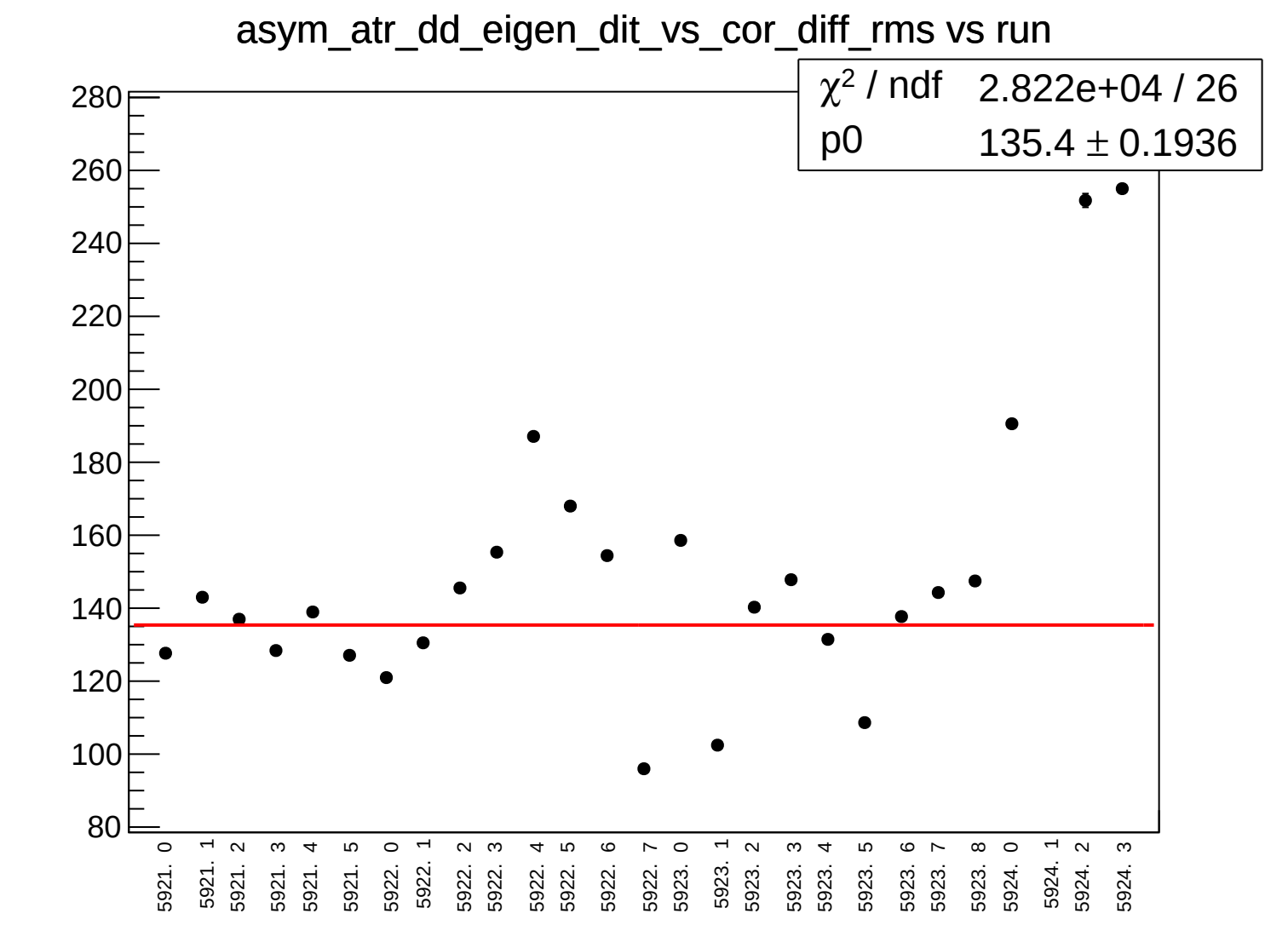

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.823e+04 / 26
p0 135.4 ± 0.1936
280
260
240
220
200
180
160
140
120
100
80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

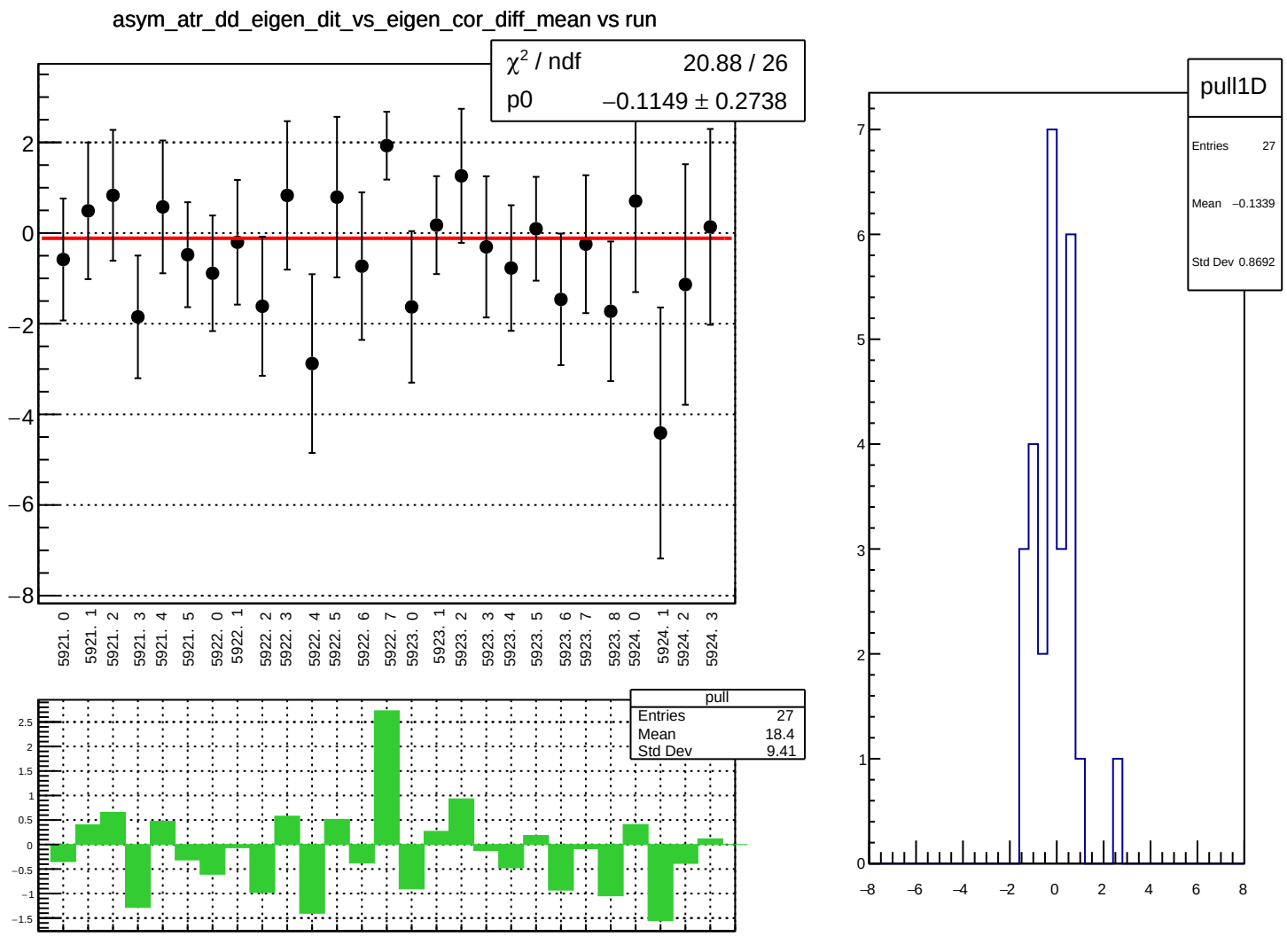

asym_atr_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 31.58 / 26
p0 7.175e−06 ± 1.433e−05
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 130.9
Std Dev 0
1
0
−1
−2
−3

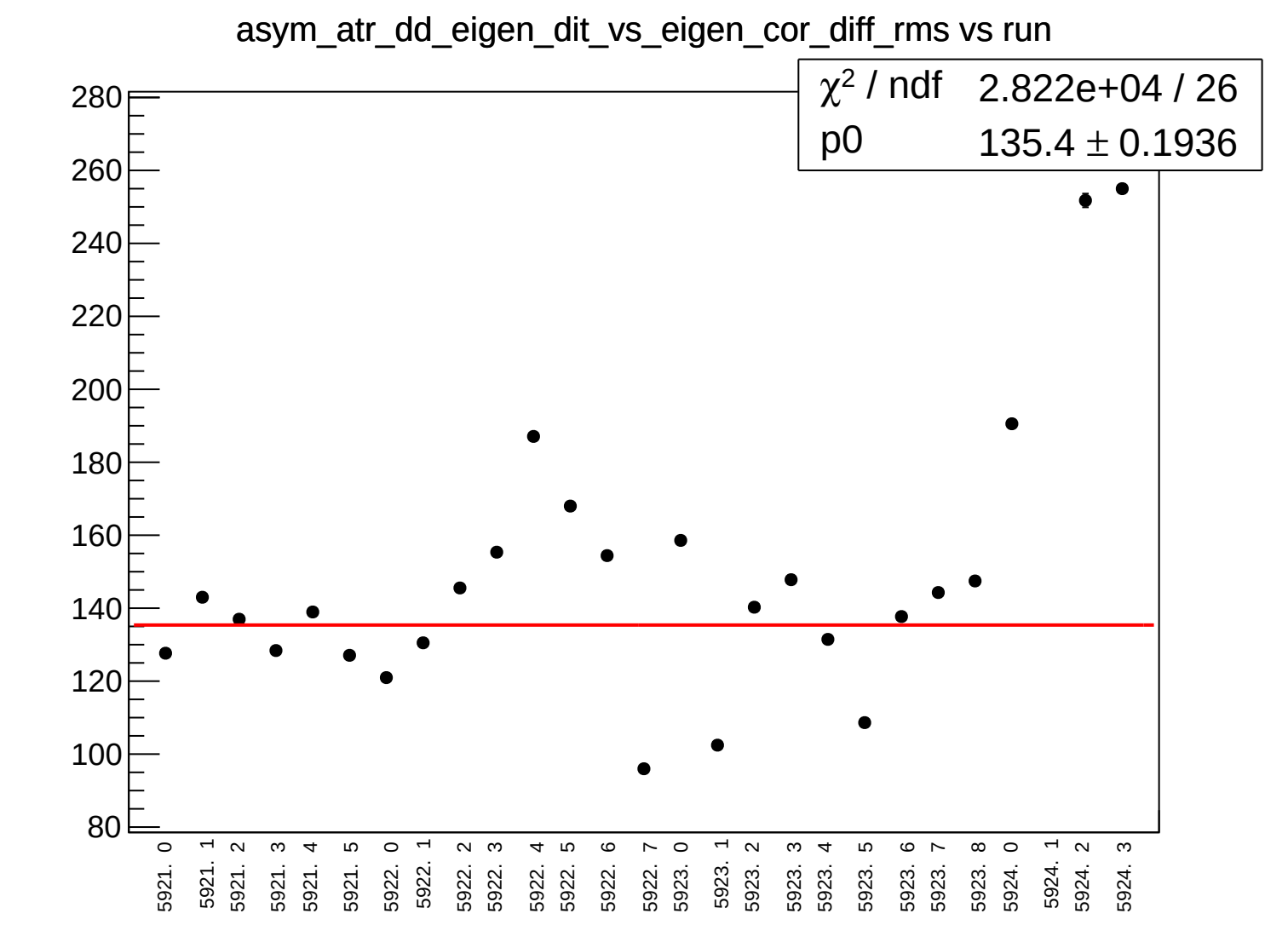

pull1D
Entries 27
Mean −0.01371
Std Dev 1.081
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

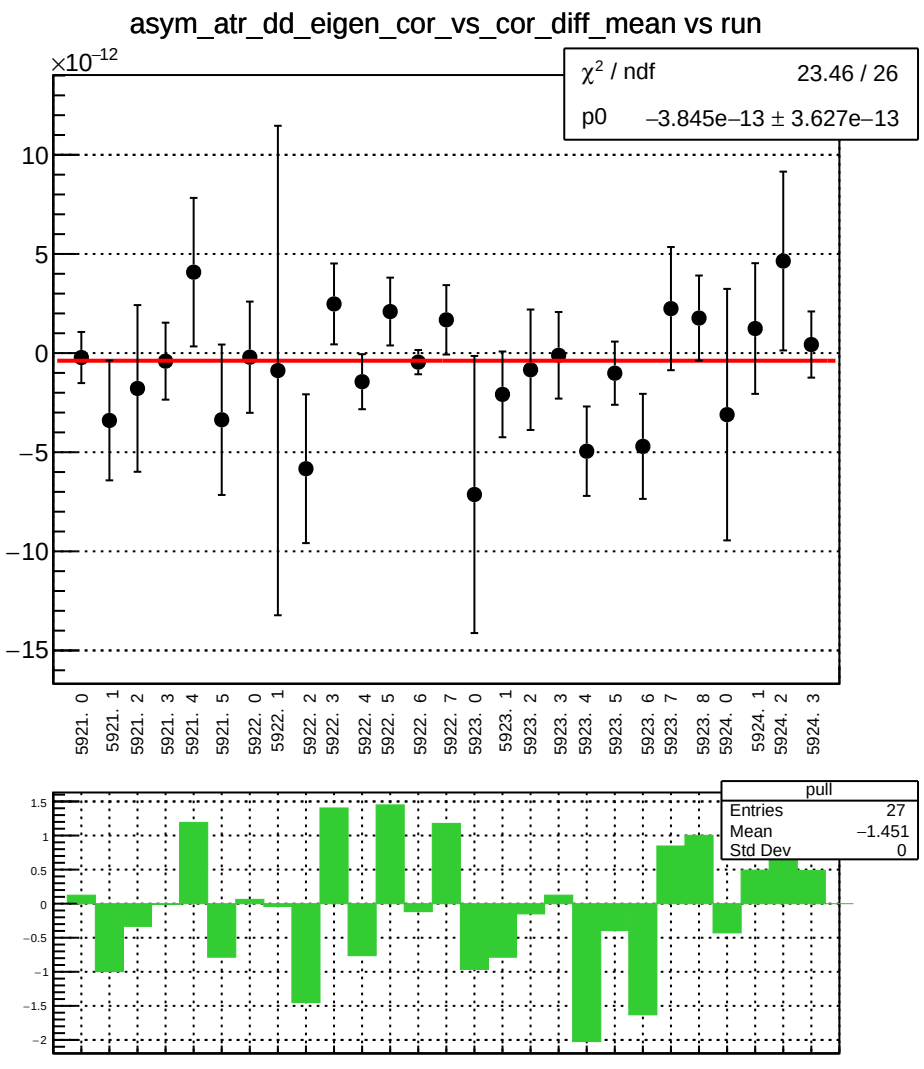

asym_atr_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.319e+04 / 26
p0 0.007047 ± 1.013e−05
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

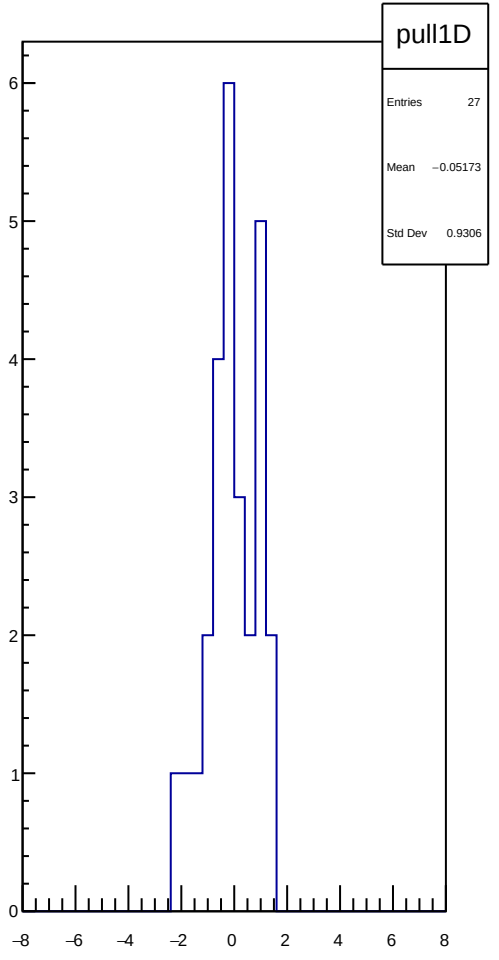

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 20.88 / 26
p0 −0.1149 ± 0.2738
2
0
−2
−4
−6
−8
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 18.4
Std Dev 9.41
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.1339
Std Dev 0.8692
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

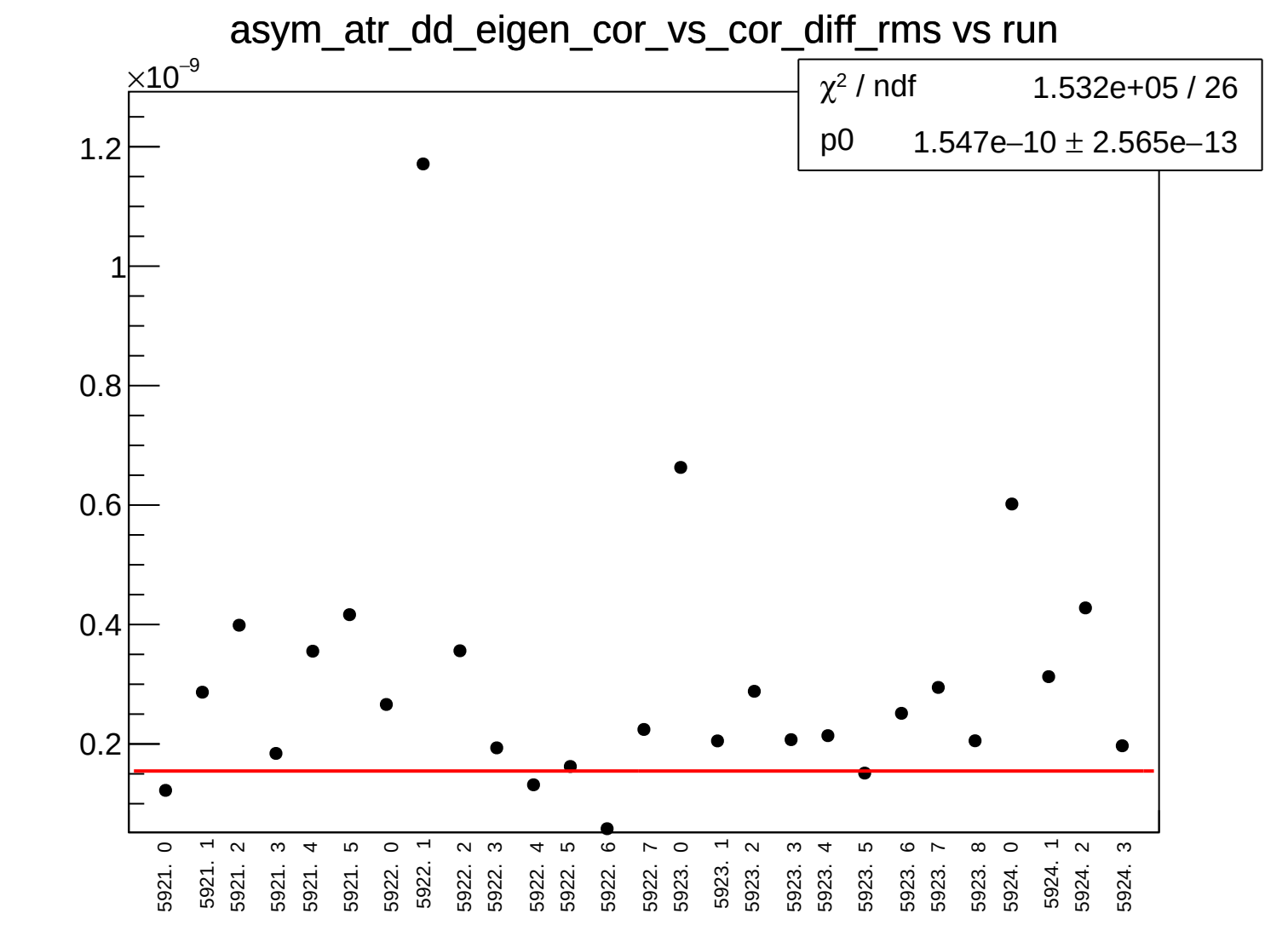

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.822e+04 / 26
p0 135.4 ± 0.1936
280
260
240
220
200
180
160
140
120
100
80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

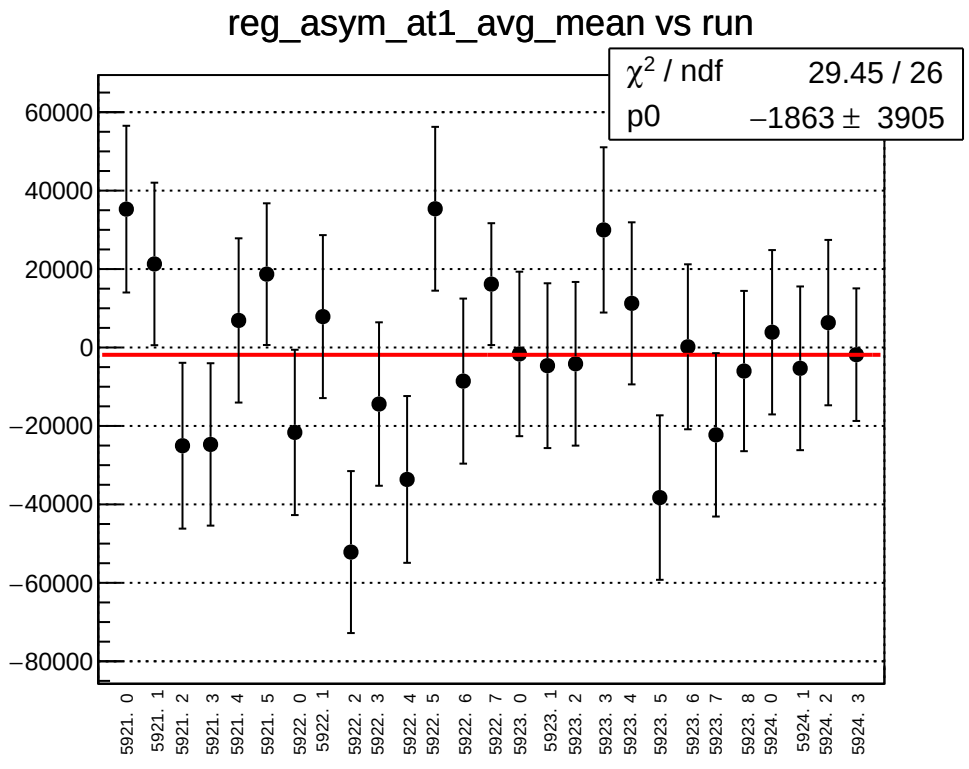

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 20.88 / 26
p0 −0.1149 ± 0.2738
2
0
−2
−4
−6
−8
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 18.4
Std Dev 9.41
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.1339
Std Dev 0.8692
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

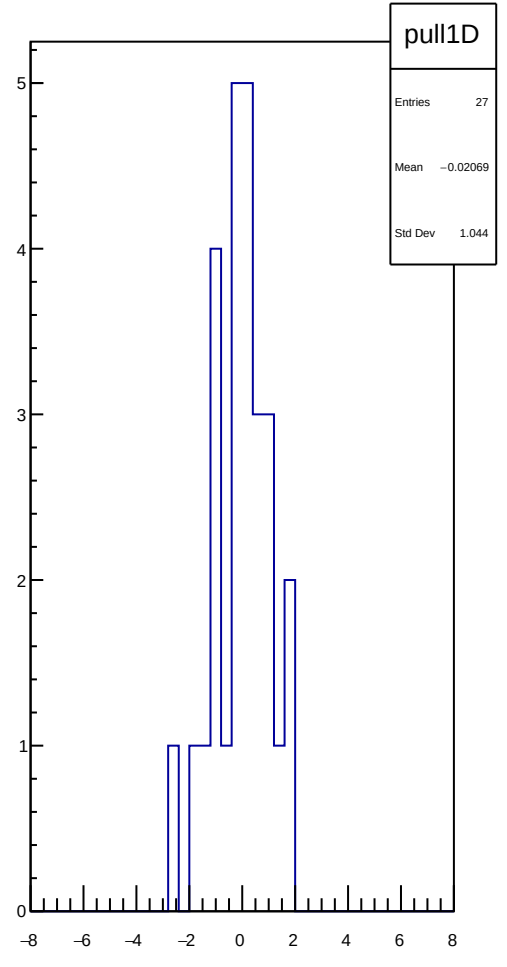

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.822e+04 / 26
p0 135.4 ± 0.1936
280
260
240
220
200
180
160
140
120
100
80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

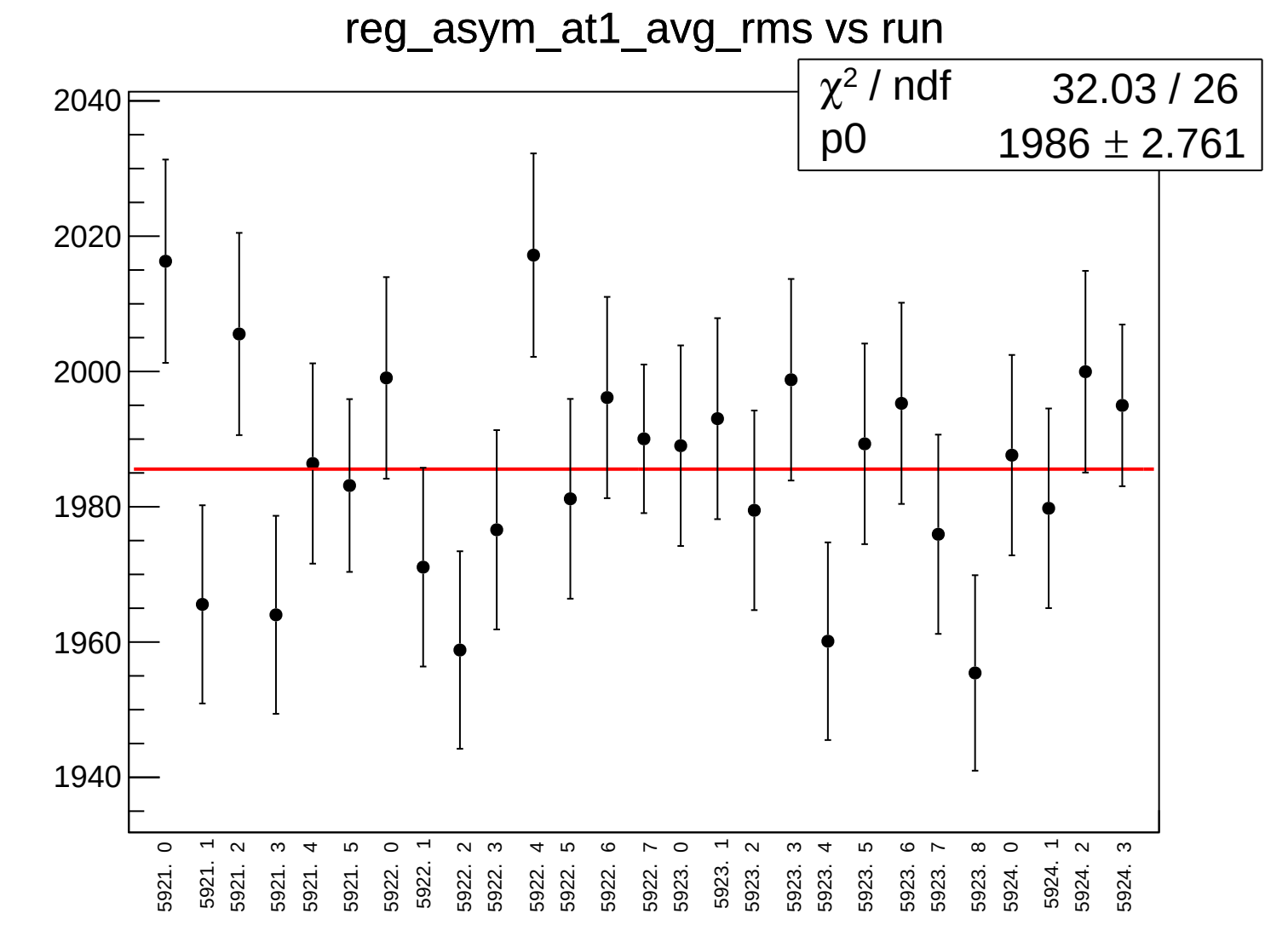

asym_atr_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 23.46 / 26
p0 −3.845e−13 ± 3.627e−13
10
5
0
−5
−10
−15
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −1.451
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

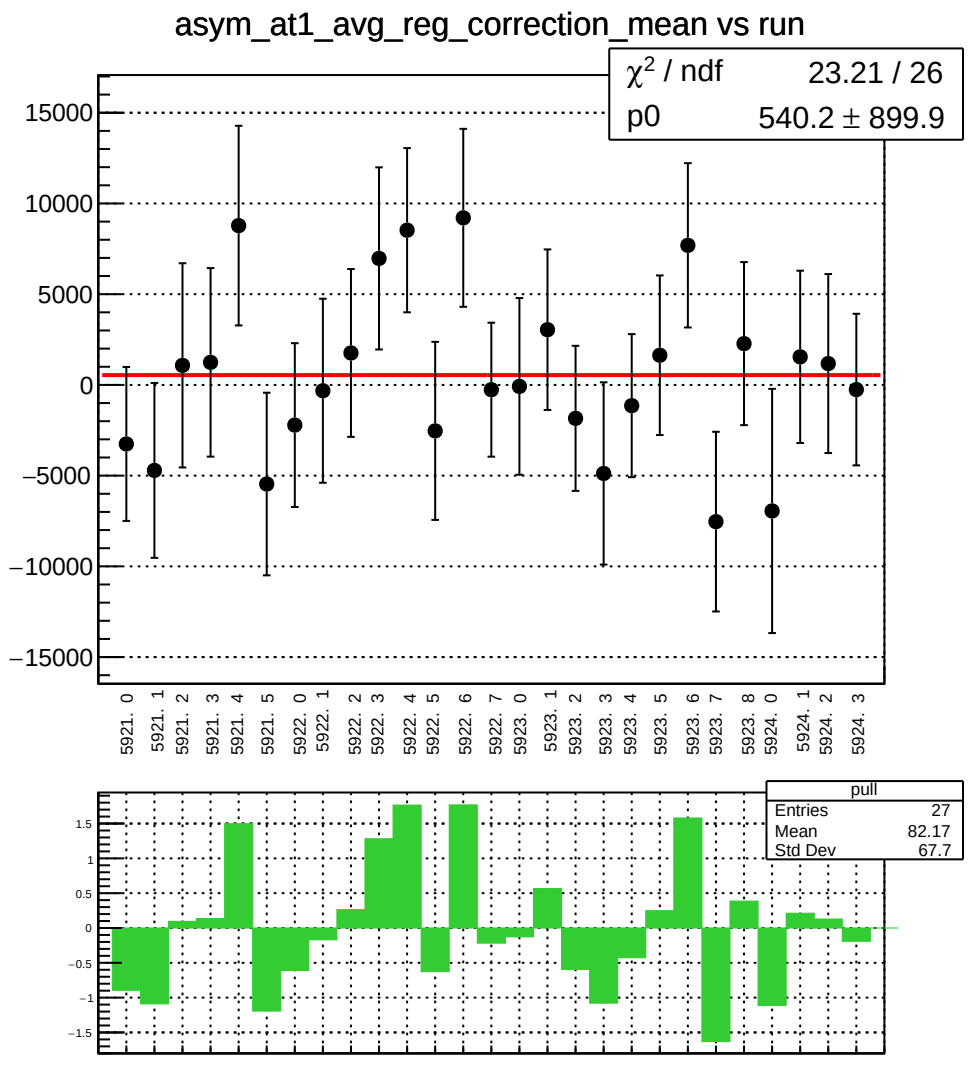

pull1D
Entries 27
Mean −0.05173
Std Dev 0.9306
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

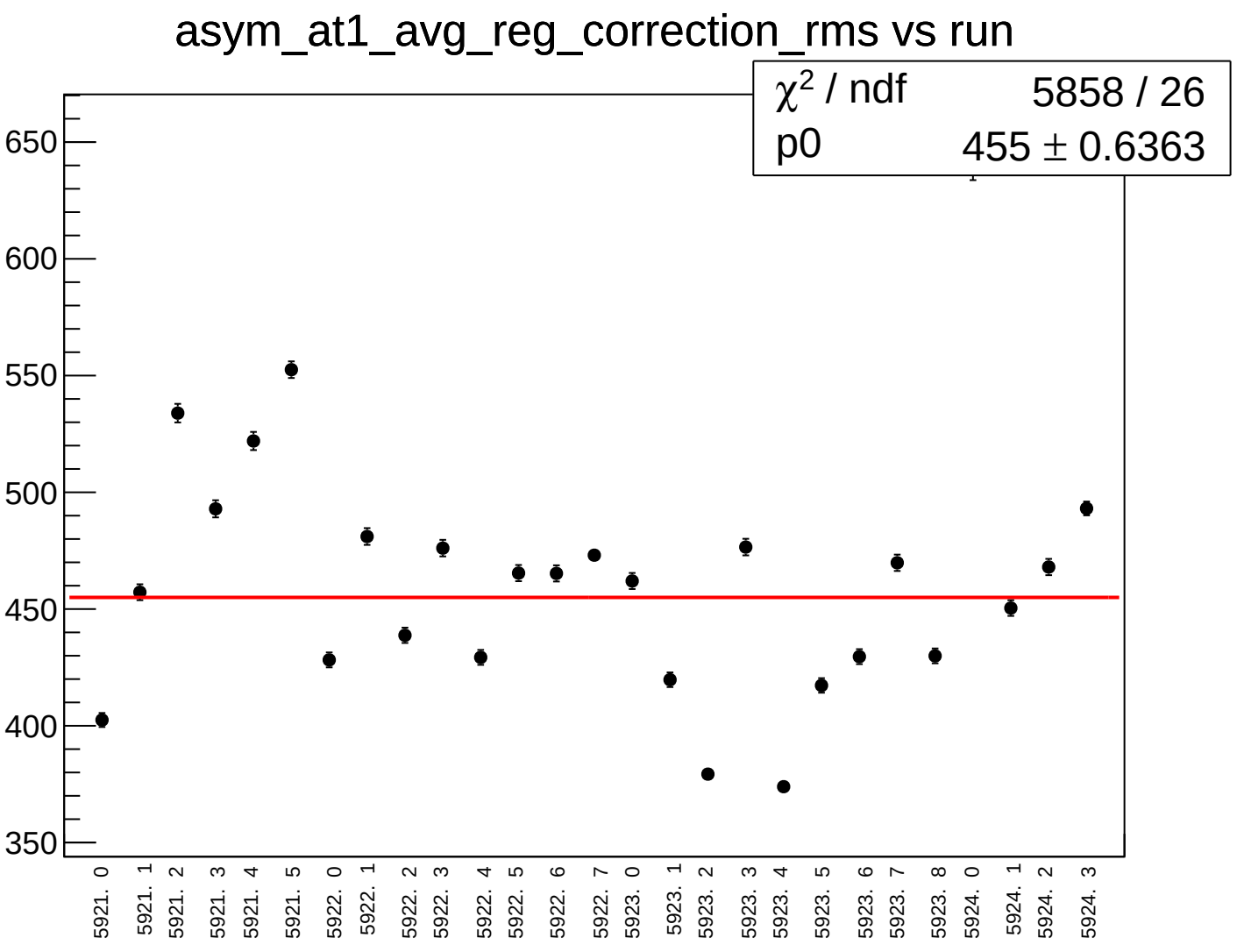

asym_atr_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.532e+05 / 26
p0 1.547e−10 ± 2.565e−13
1.2
1
0.8
0.6
0.4
0.2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

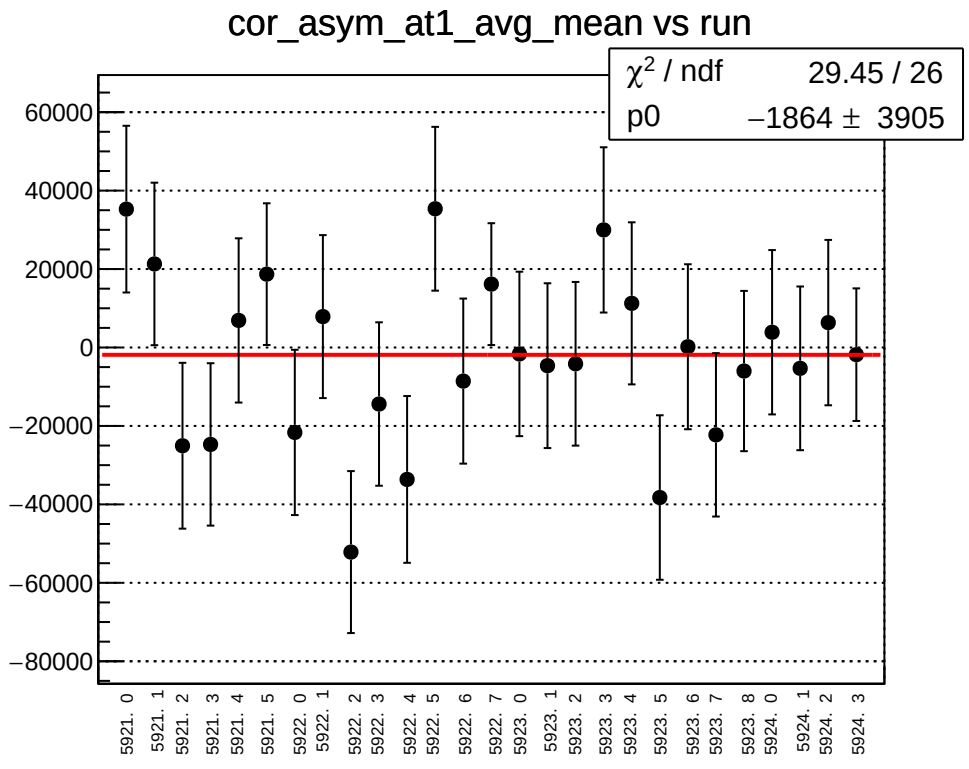

reg_asym_at1_avg_mean vs run
χ² / ndf 29.45 / 26
p0 −1863 ± 3905
60000
40000
20000
0
−20000
−40000
−60000
−80000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 34
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

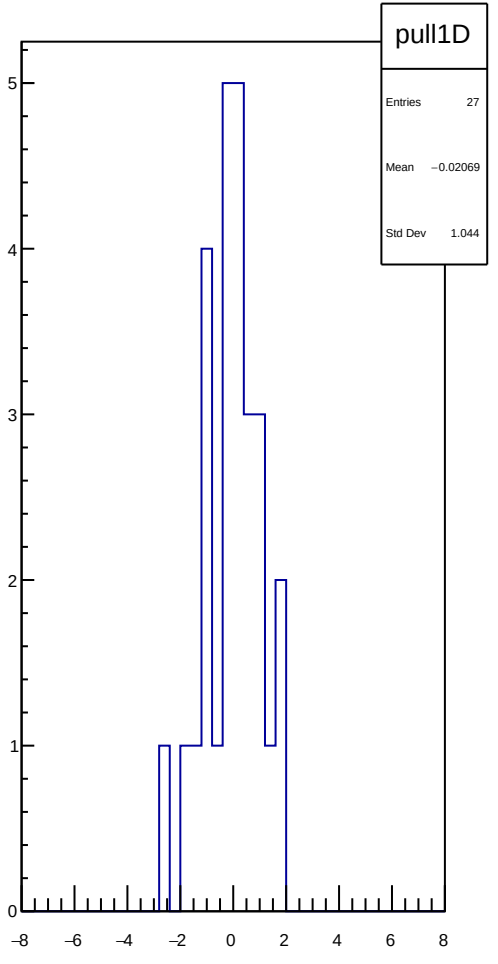

pull1D
Entries 27
Mean −0.02069
Std Dev 1.044
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

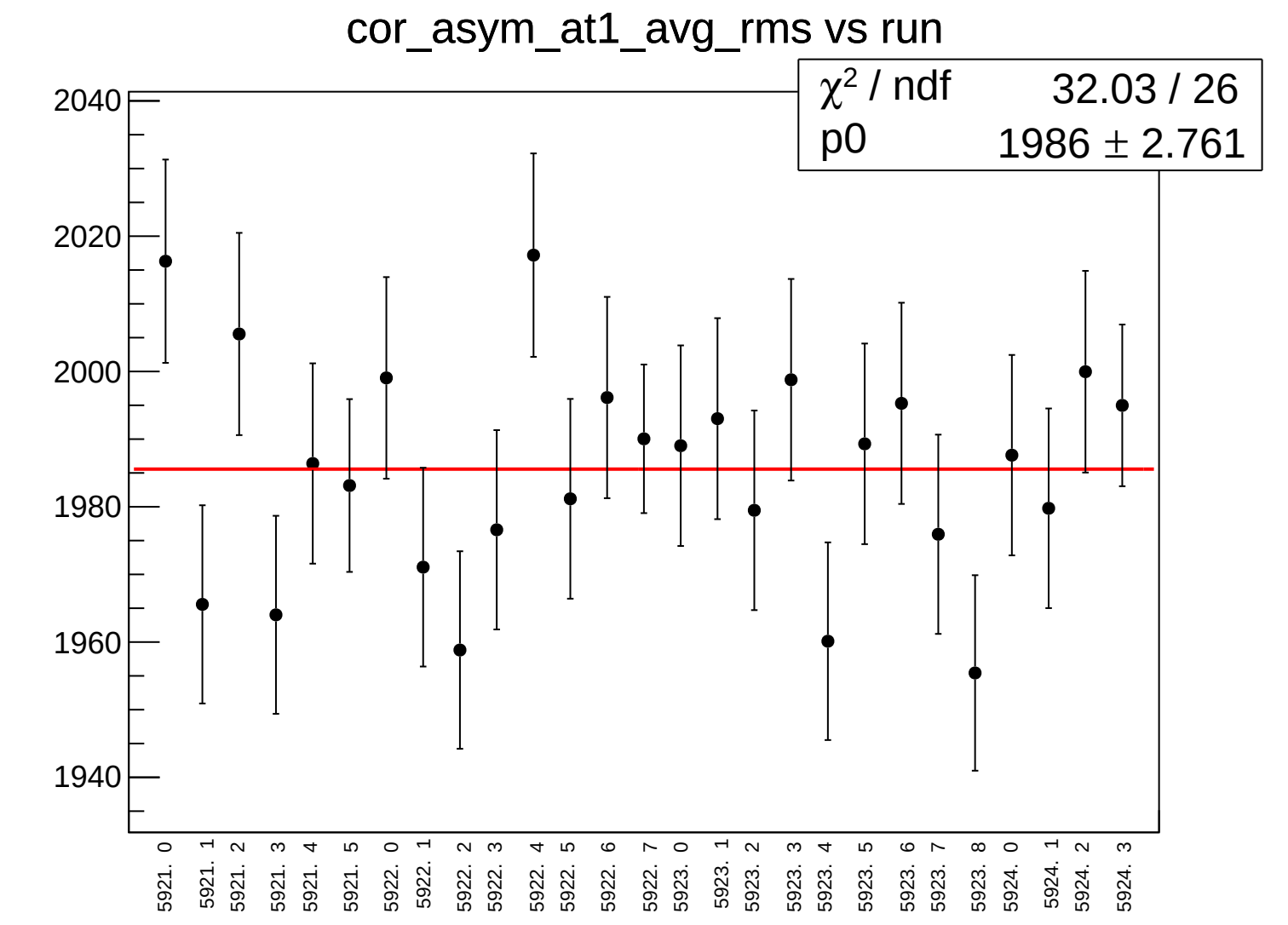

reg_asym_at1_avg_rms vs run
χ² / ndf 32.03 / 26
p0 1986 ± 2.761
2040
2020
2000
1980
1960
1940
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

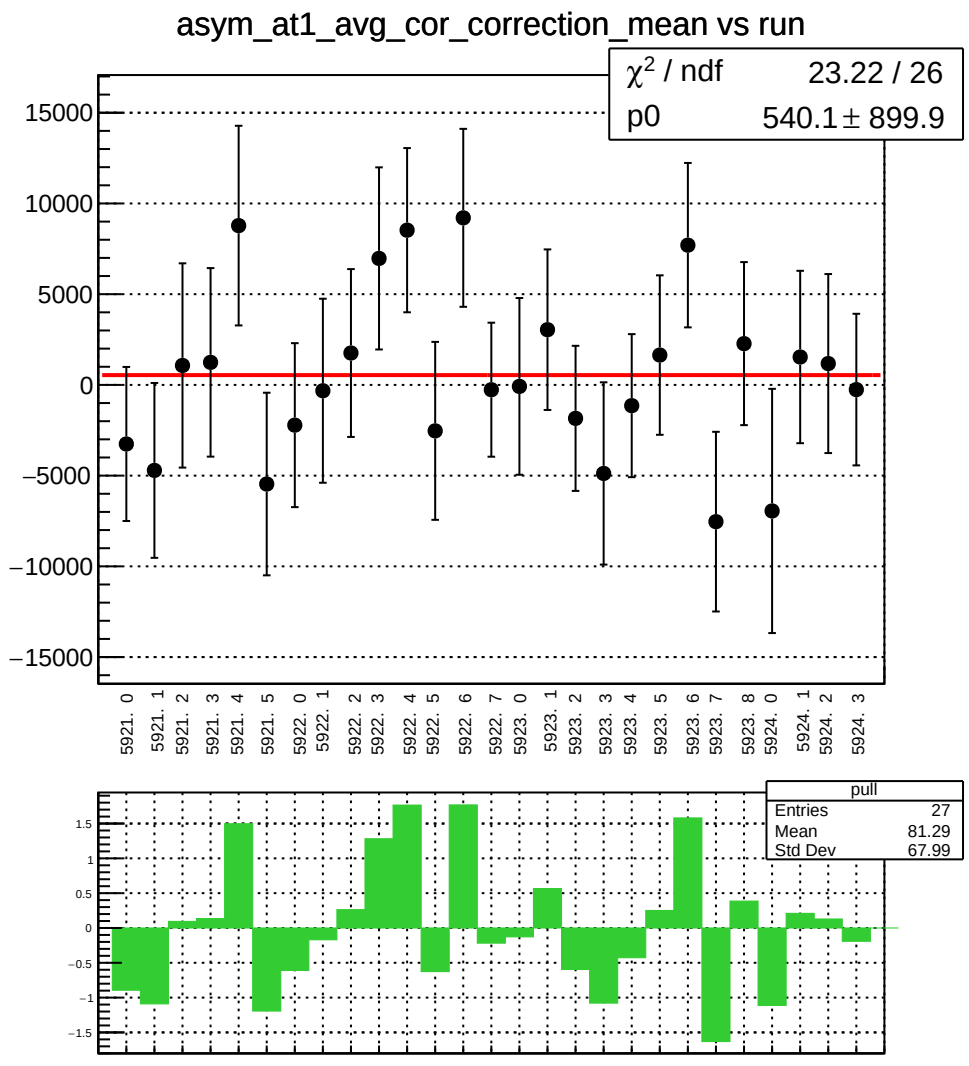

asym_at1_avg_reg_correction_mean vs run
χ² / ndf 23.21 / 26
p0 540.2 ± 899.9
15000
10000
5000
0
−5000
−10000
−15000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 82.17
Std Dev 67.7
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.00139
Std Dev 0.9272
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

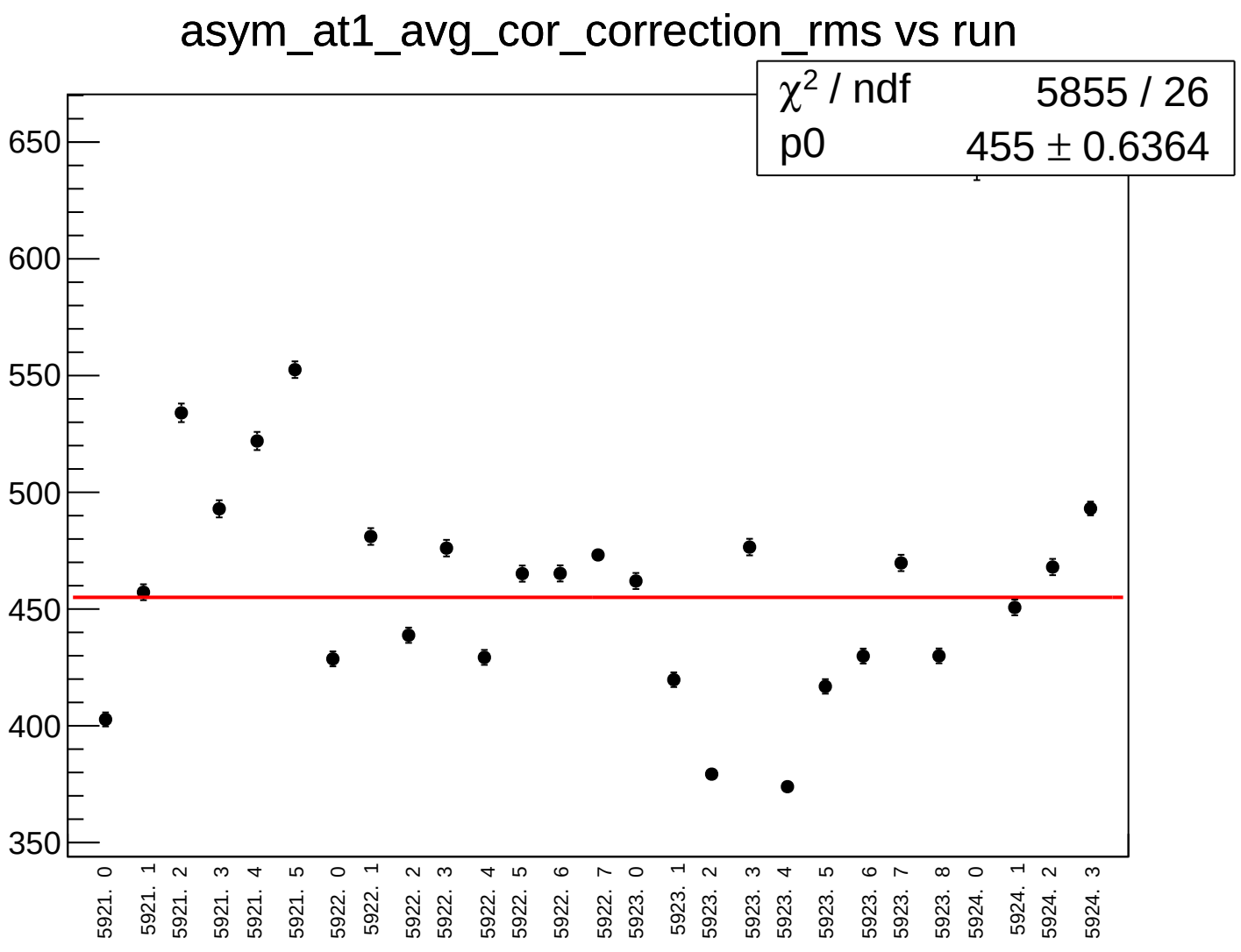

asym_at1_avg_reg_correction_rms vs run
χ² / ndf 5858 / 26
p0 455 ± 0.6363
650
600
550
500
450
400
350
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


cor_asym_at1_avg_mean vs run
χ² / ndf 29.45 / 26
p0 −1864 ± 3905
60000
40000
20000
0
−20000
−40000
−60000
−80000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 33.99
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 27
Mean −0.02069
Std Dev 1.044
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_at1_avg_rms vs run
χ² / ndf 32.03 / 26
p0 1986 ± 2.761
2040
2020
2000
1980
1960
1940
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


asym_at1_avg_cor_correction_mean vs run
χ² / ndf 23.22 / 26
p0 540.1 ± 899.9
15000
10000
5000
0
−5000
−10000
−15000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 81.29
Std Dev 67.99
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.001403
Std Dev 0.9273
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_at1_avg_cor_correction_rms vs run
χ² / ndf 5855 / 26
p0 455 ± 0.6364
650
600
550
500
450
400
350
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
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5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
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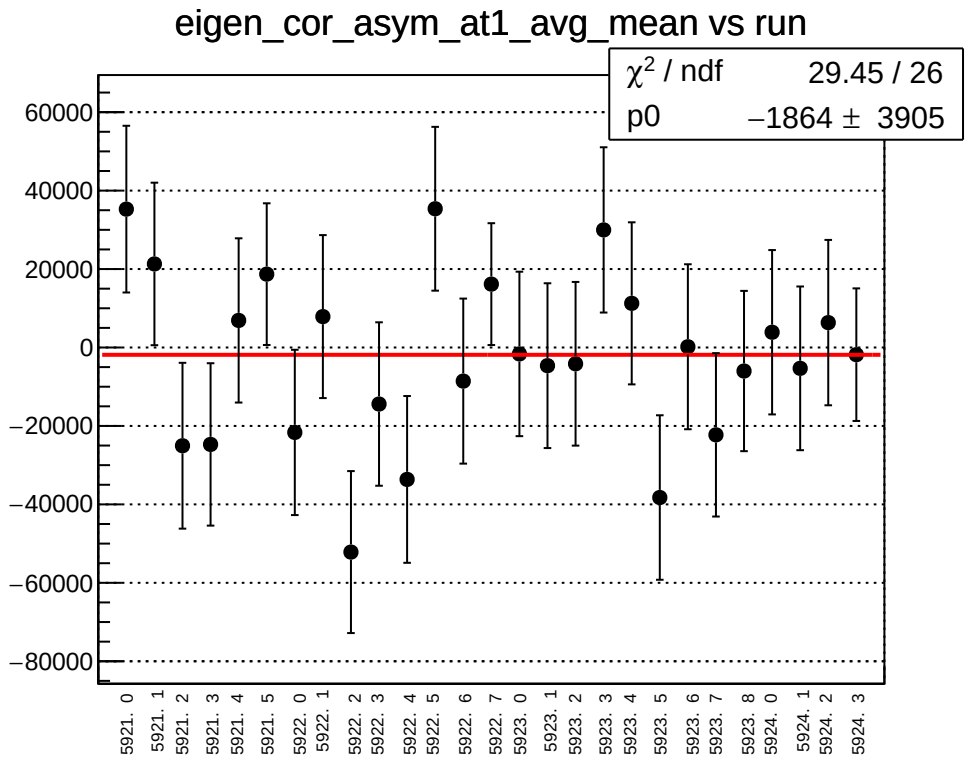
5924. 2
5924. 3


eigen_cor_asym_at1_avg_mean vs run
χ² / ndf 29.45 / 26
p0 −1864 ± 3905
60000
40000
20000
0
−20000
−40000
−60000
−80000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
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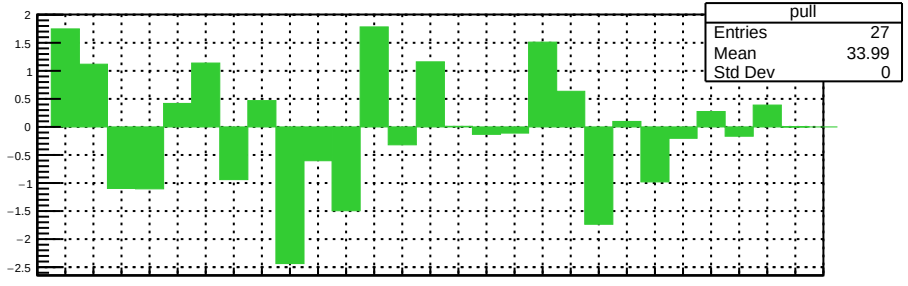
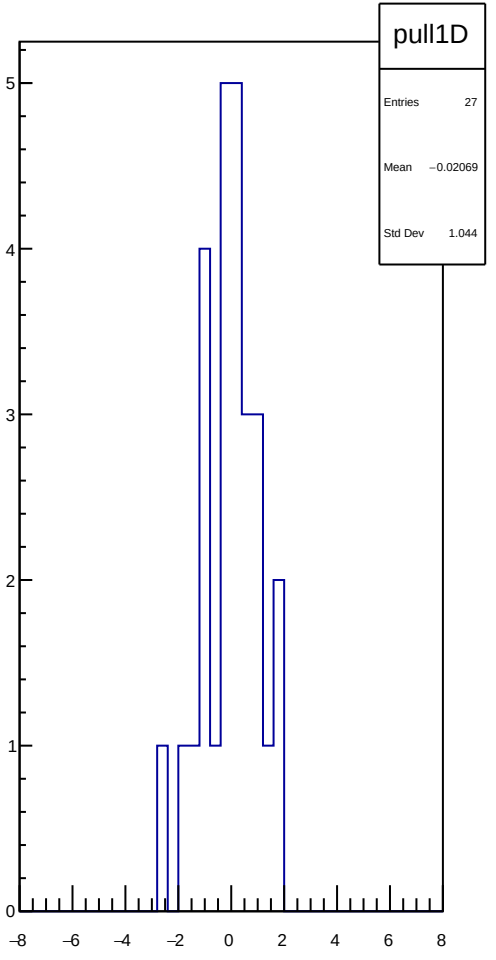
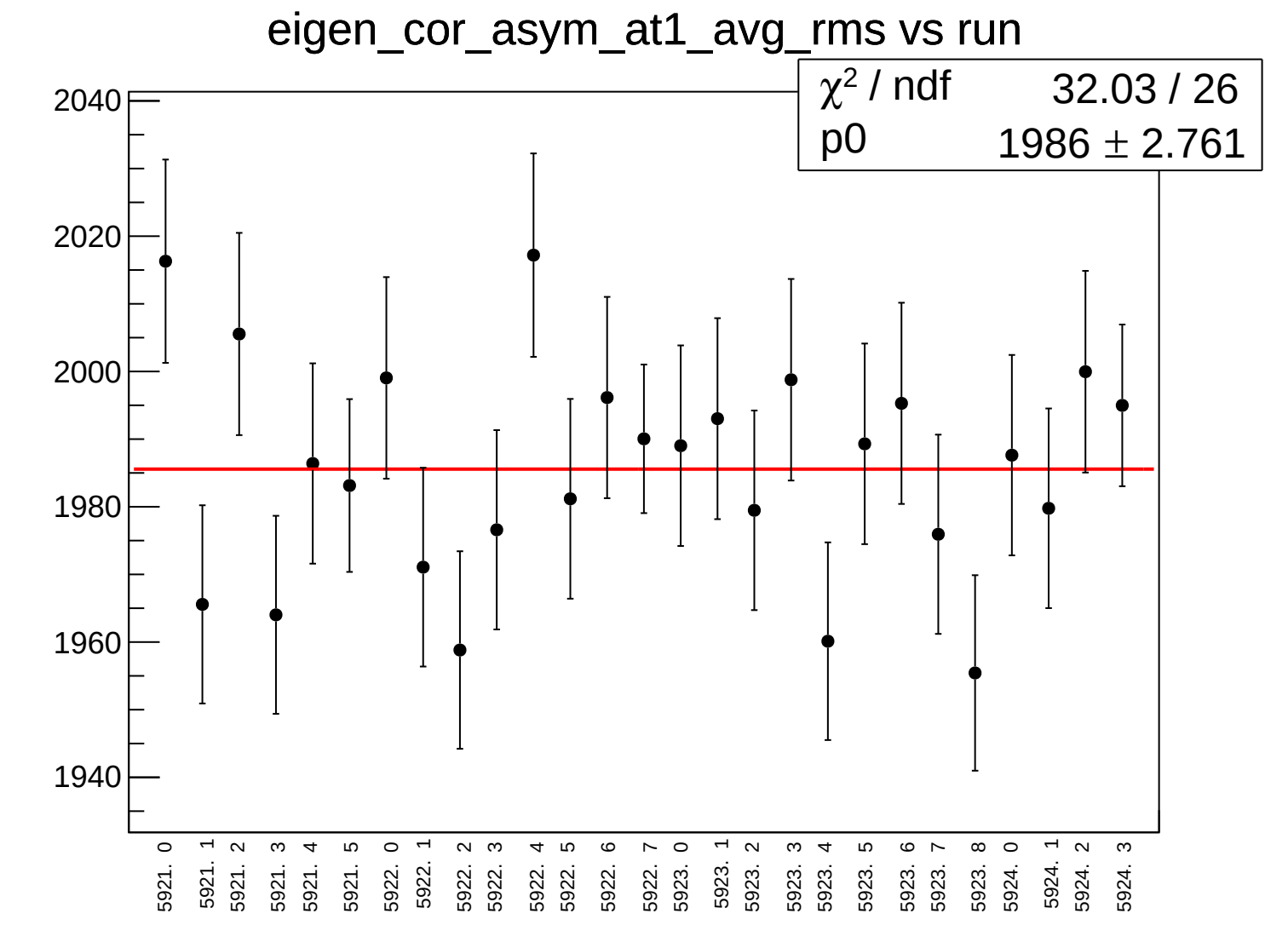
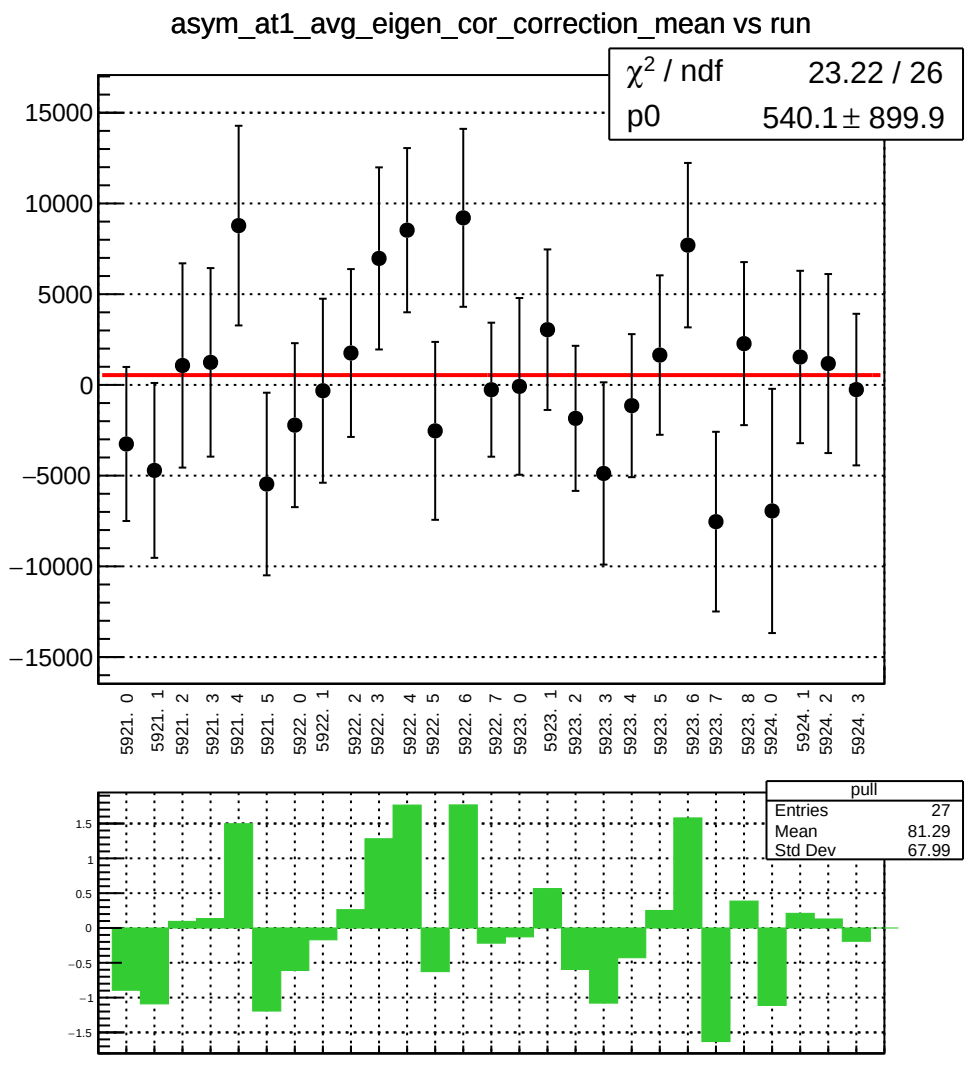
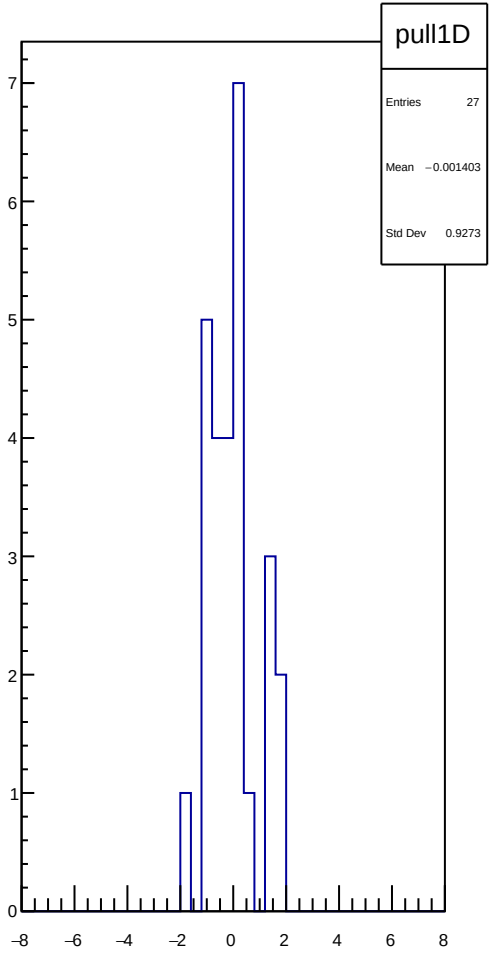
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

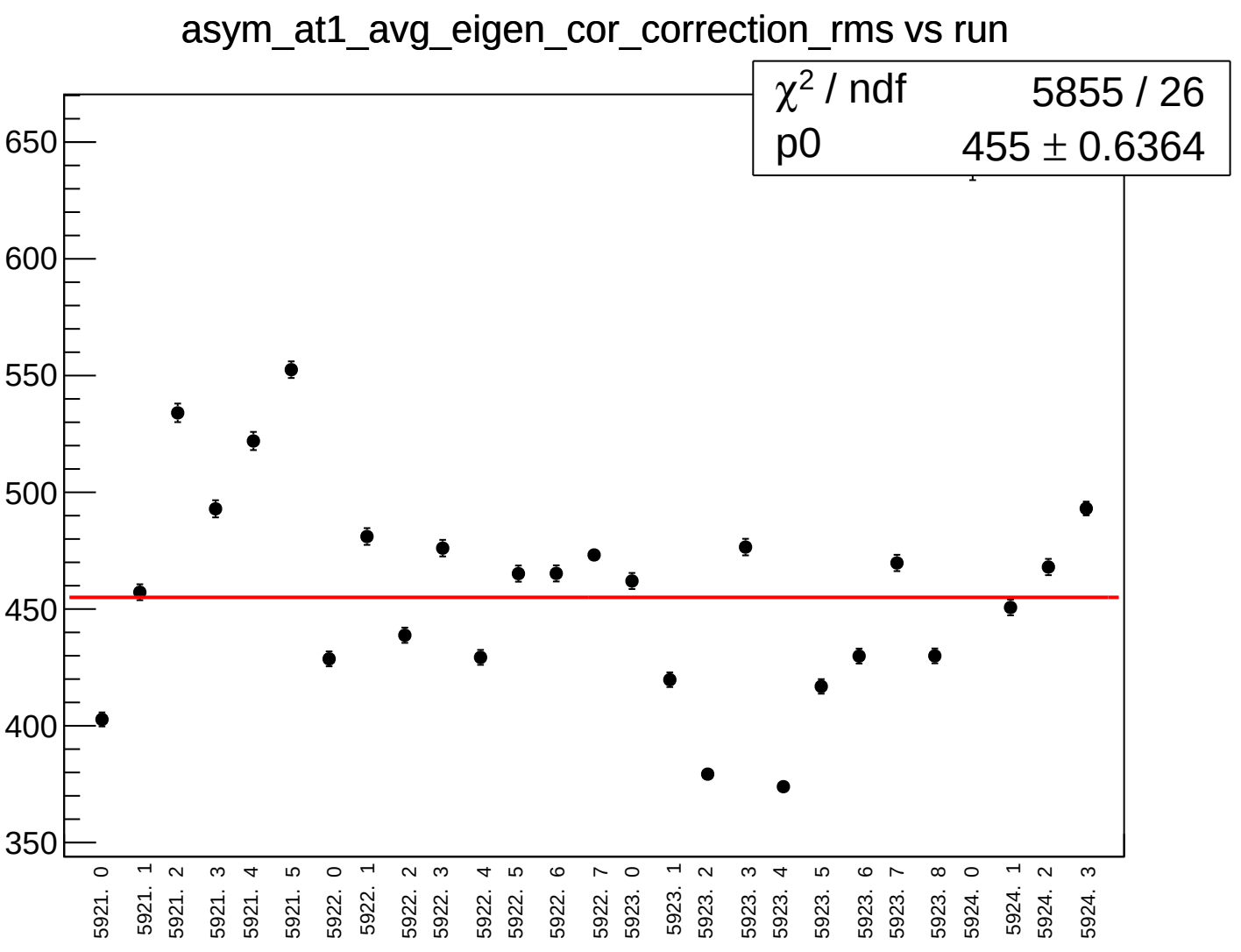

pull
Entries 27
Mean 33.99
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 27
Mean −0.02069
Std Dev 1.044
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_at1_avg_rms vs run
χ² / ndf 32.03 / 26
p0 1986 ± 2.761
2040
2020
2000
1980
1960
1940
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


asym_at1_avg_eigen_cor_correction_mean vs run
χ² / ndf 23.22 / 26
p0 540.1 ± 899.9
15000
10000
5000
0
−5000
−10000
−15000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 81.29
Std Dev 67.99
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 27
Mean −0.001403
Std Dev 0.9273
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_at1_avg_eigen_cor_correction_rms vs run
χ² / ndf 5855 / 26
p0 455 ± 0.6364
650
600
550
500
450
400
350
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
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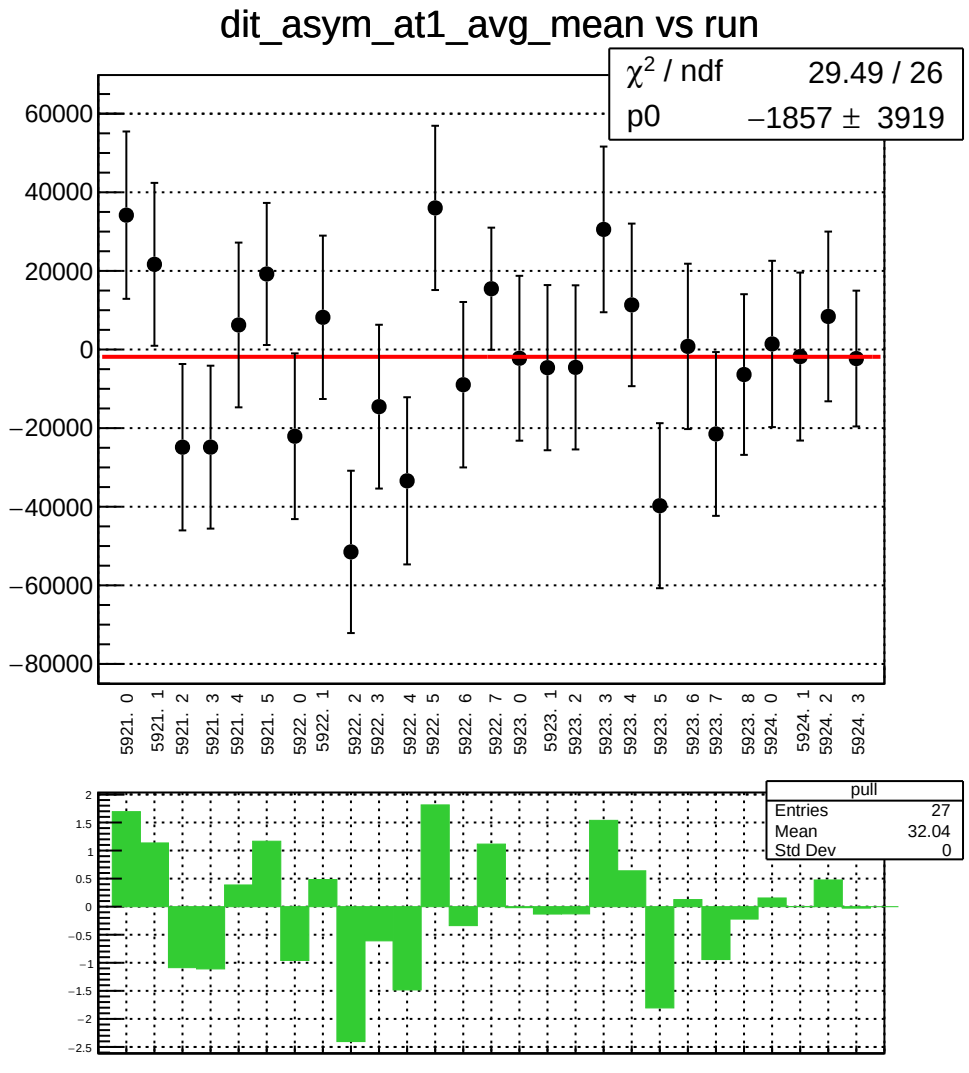
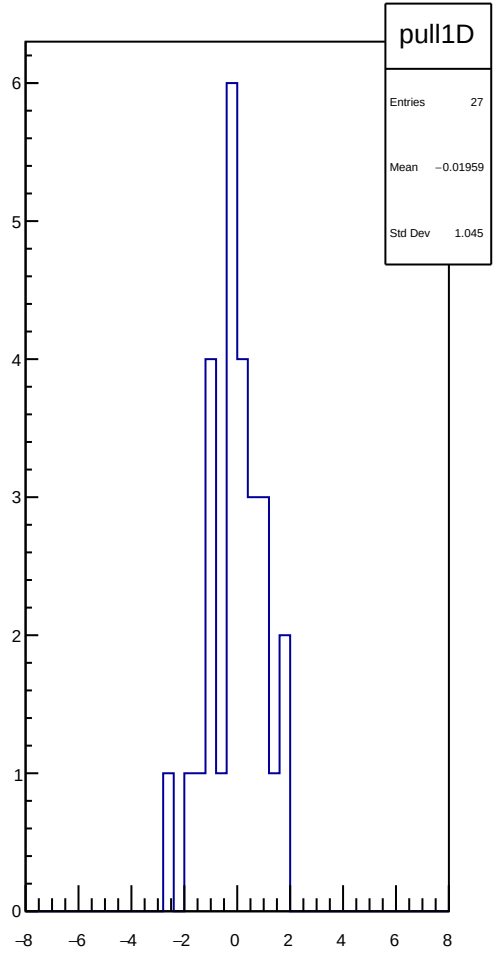
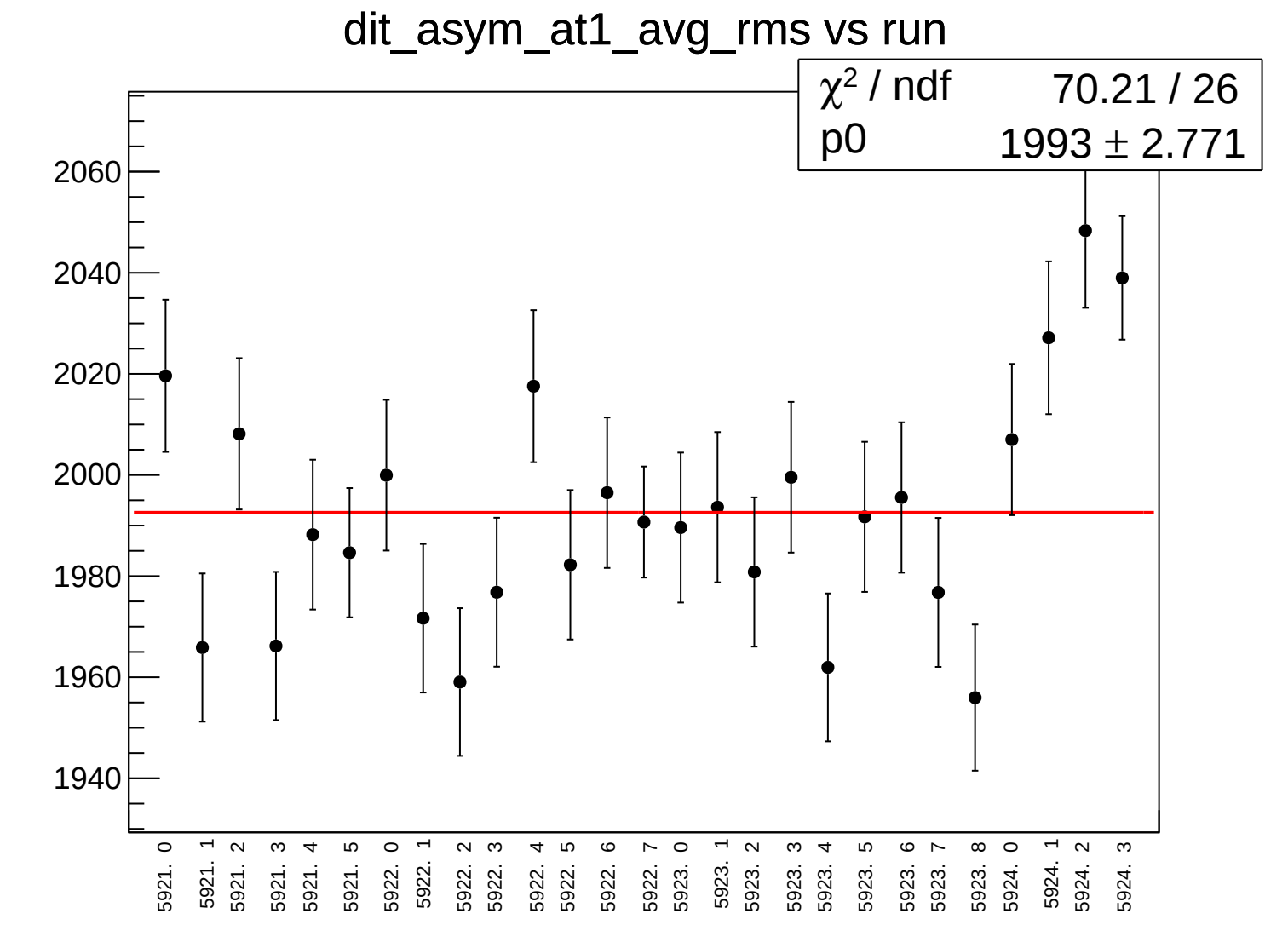
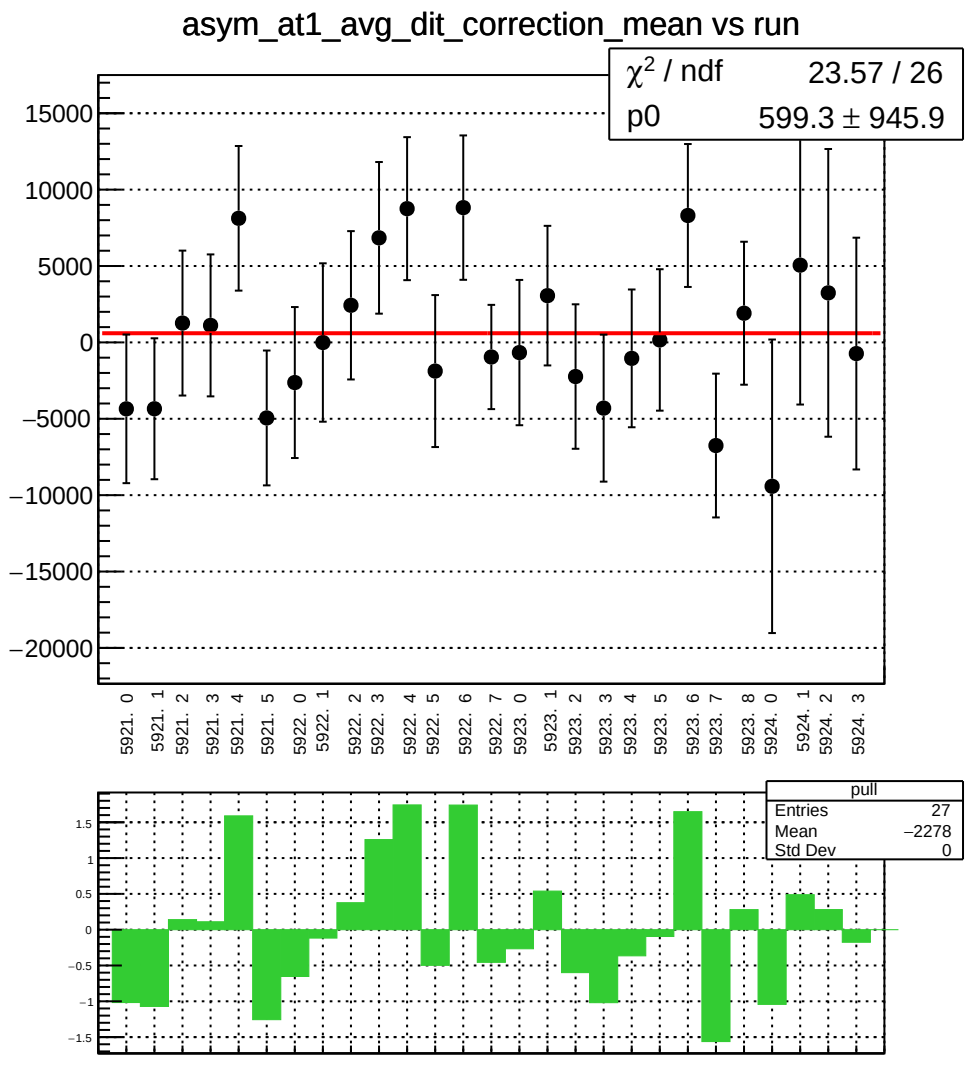
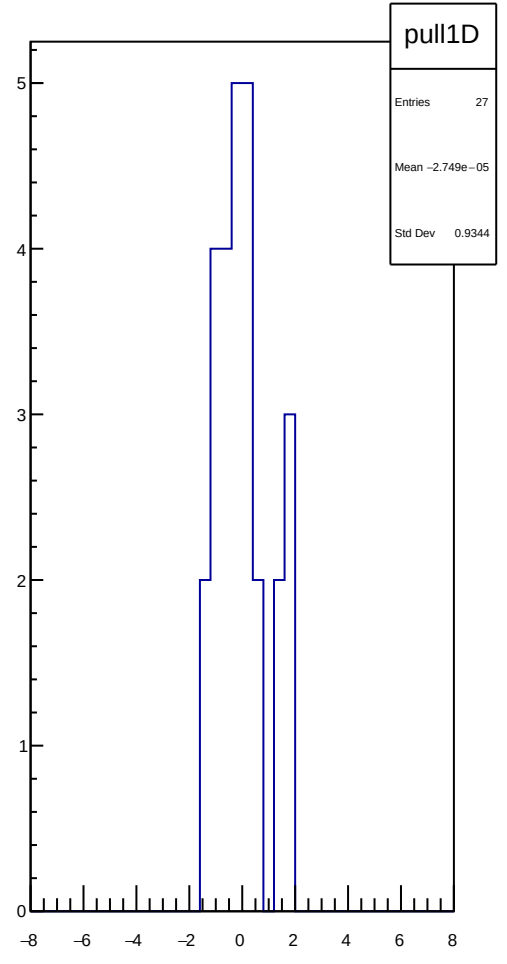
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

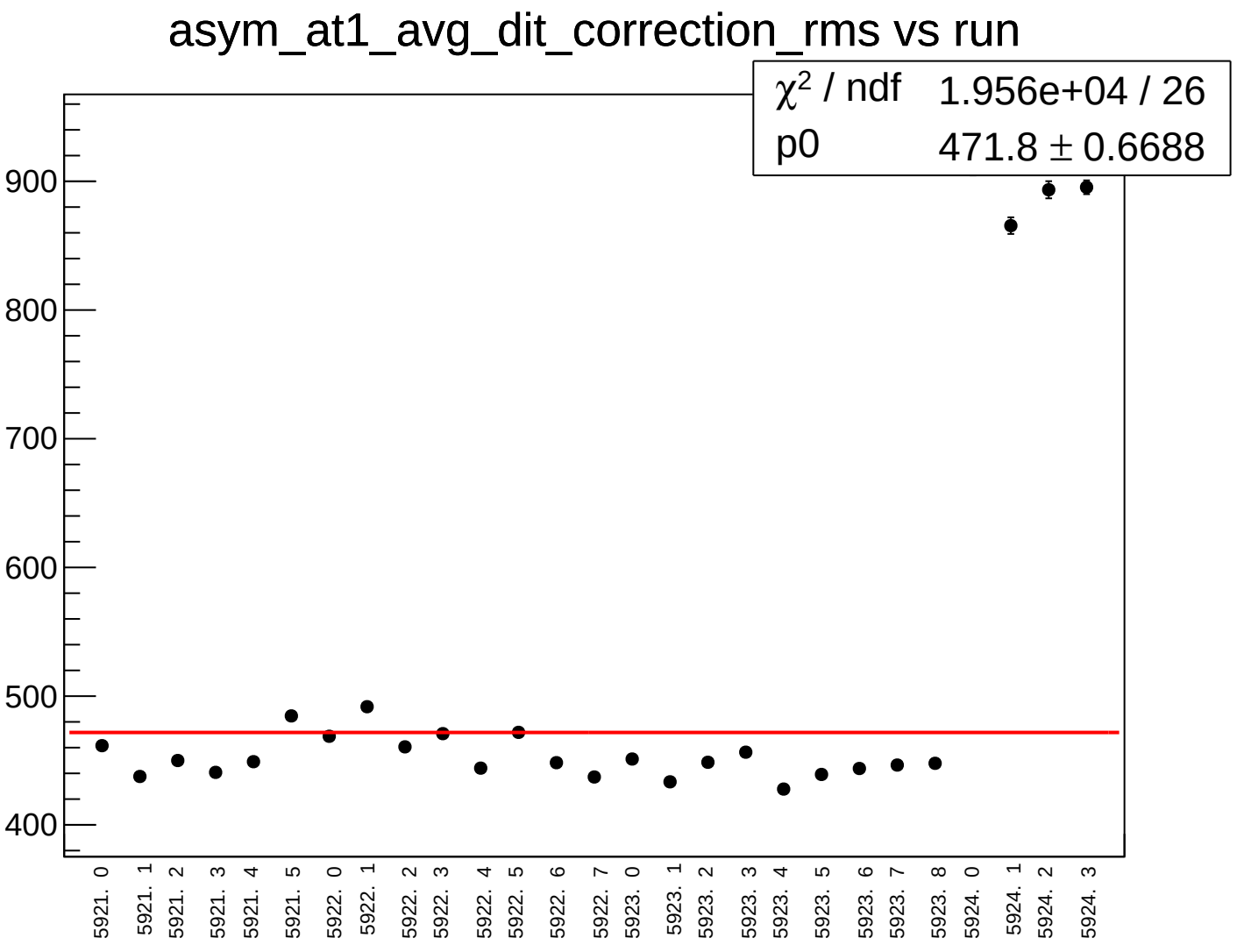

dit_asym_at1_avg_mean vs run
χ² / ndf 29.49 / 26
p0 −1857 ± 3919
60000
40000
20000
0
−20000
−40000
−60000
−80000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 32.04
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

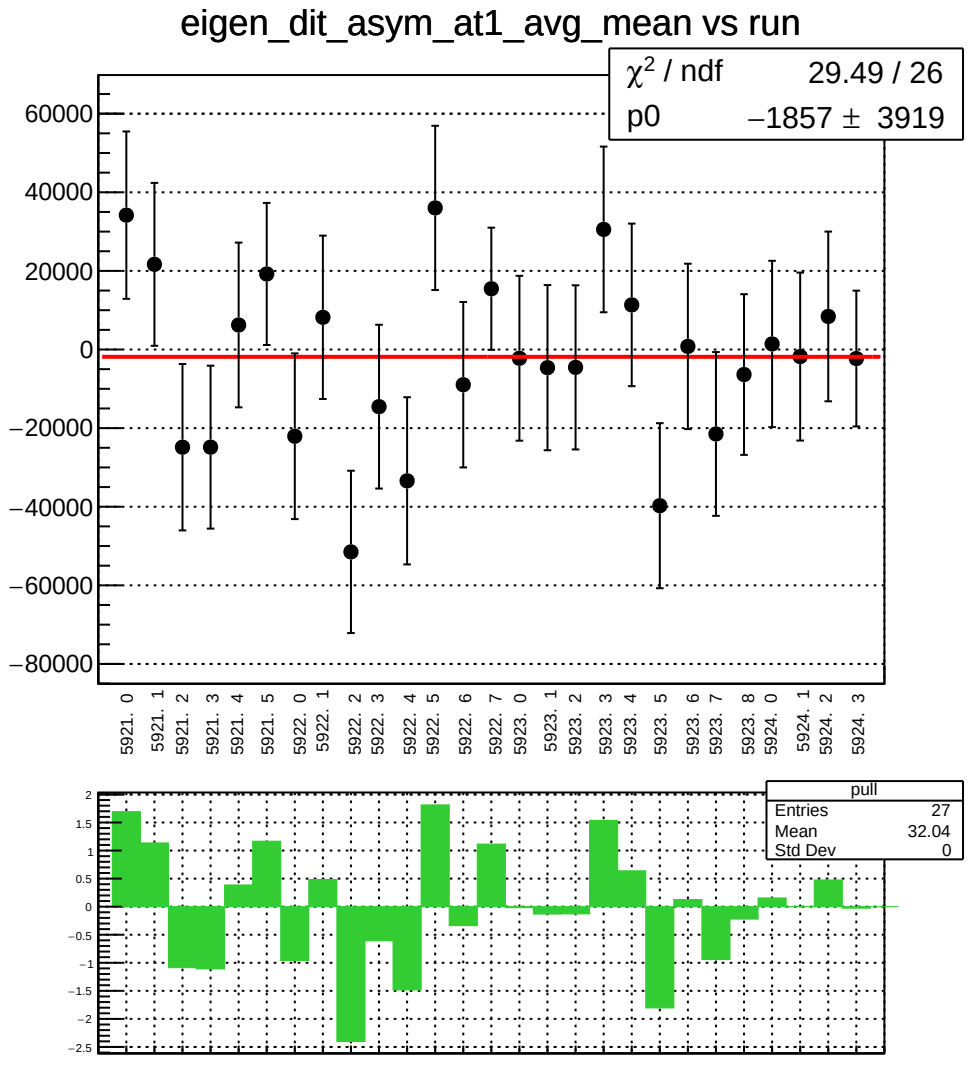

pull1D
Entries 27
Mean −0.01959
Std Dev 1.045
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

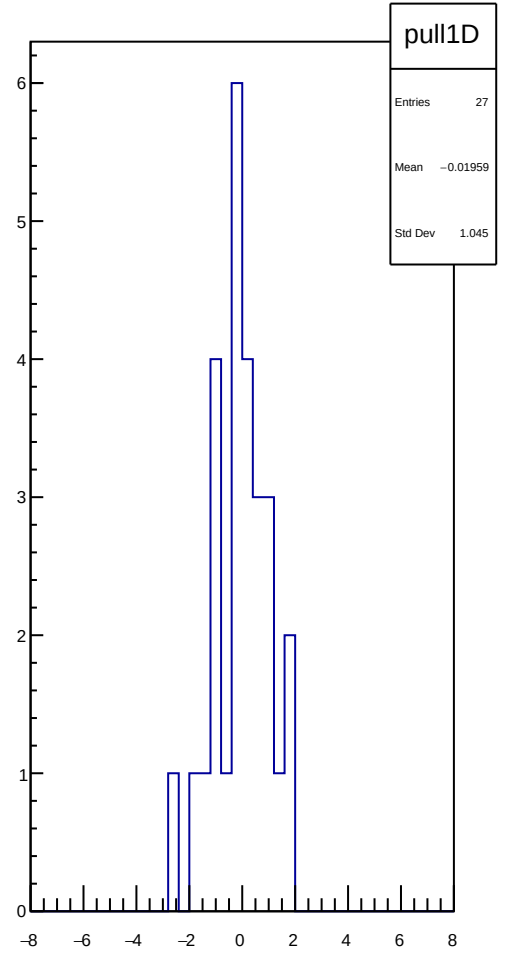

dit_asym_at1_avg_rms vs run
χ² / ndf 70.21 / 26
p0 1993 ± 2.771
2060
2040
2020
2000
1980
1960
1940
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


asym_at1_avg_dit_correction_mean vs run
χ² / ndf 23.57 / 26
p0 599.3 ± 945.9
15000
10000
5000
0
−5000
−10000
−15000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −2278
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 27
Mean −2.749e−05
Std Dev 0.9344
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_at1_avg_dit_correction_rms vs run
χ² / ndf 1.956e+04 / 26
p0 471.8 ± 0.6688
900
800
700
600
500
400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


eigen_dit_asym_at1_avg_mean vs run
χ² / ndf 29.49 / 26
p0 −1857 ± 3919
60000
40000
20000
0
−20000
−40000
−60000
−80000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 32.04
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 27
Mean −0.01959
Std Dev 1.045
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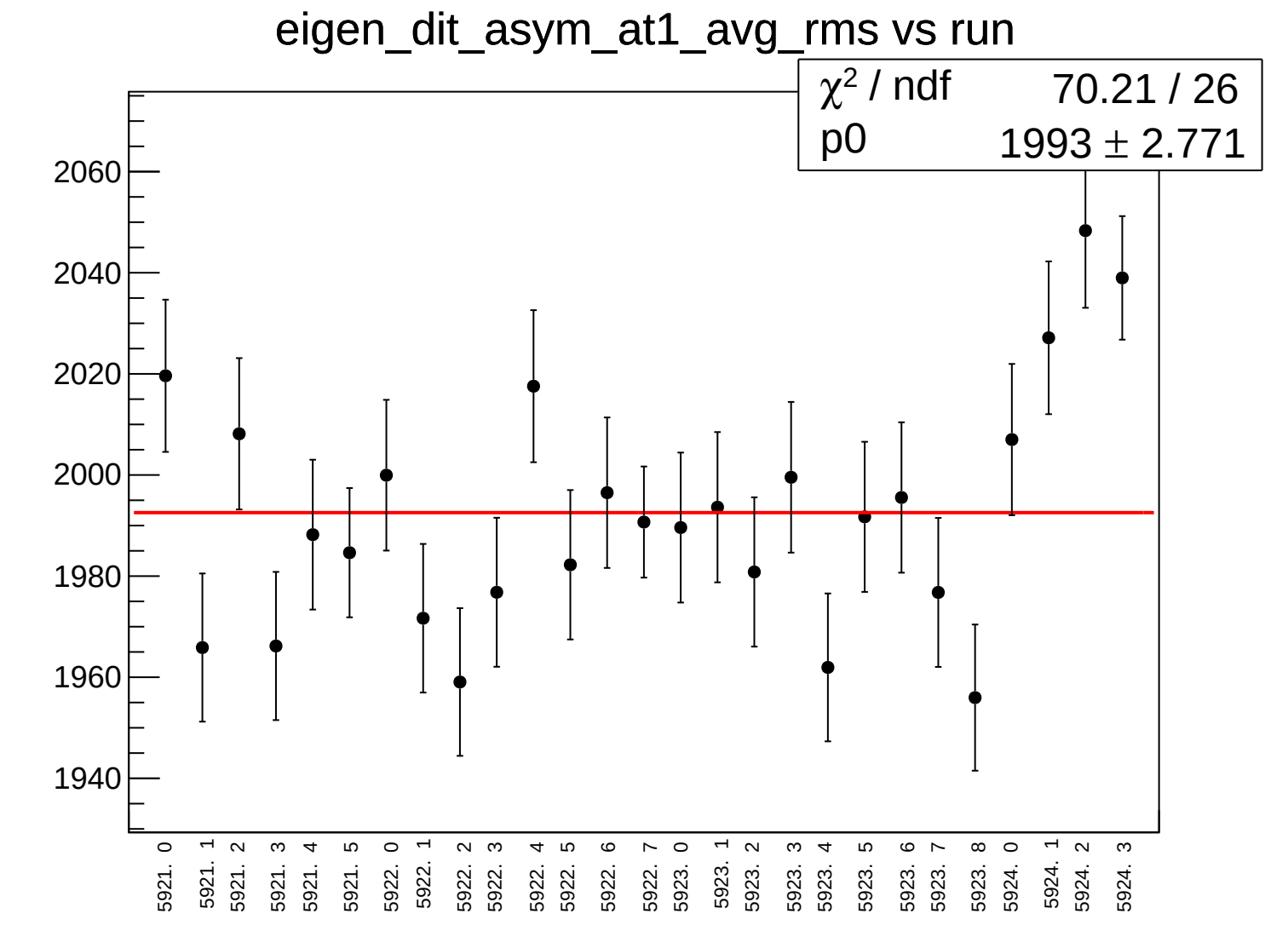
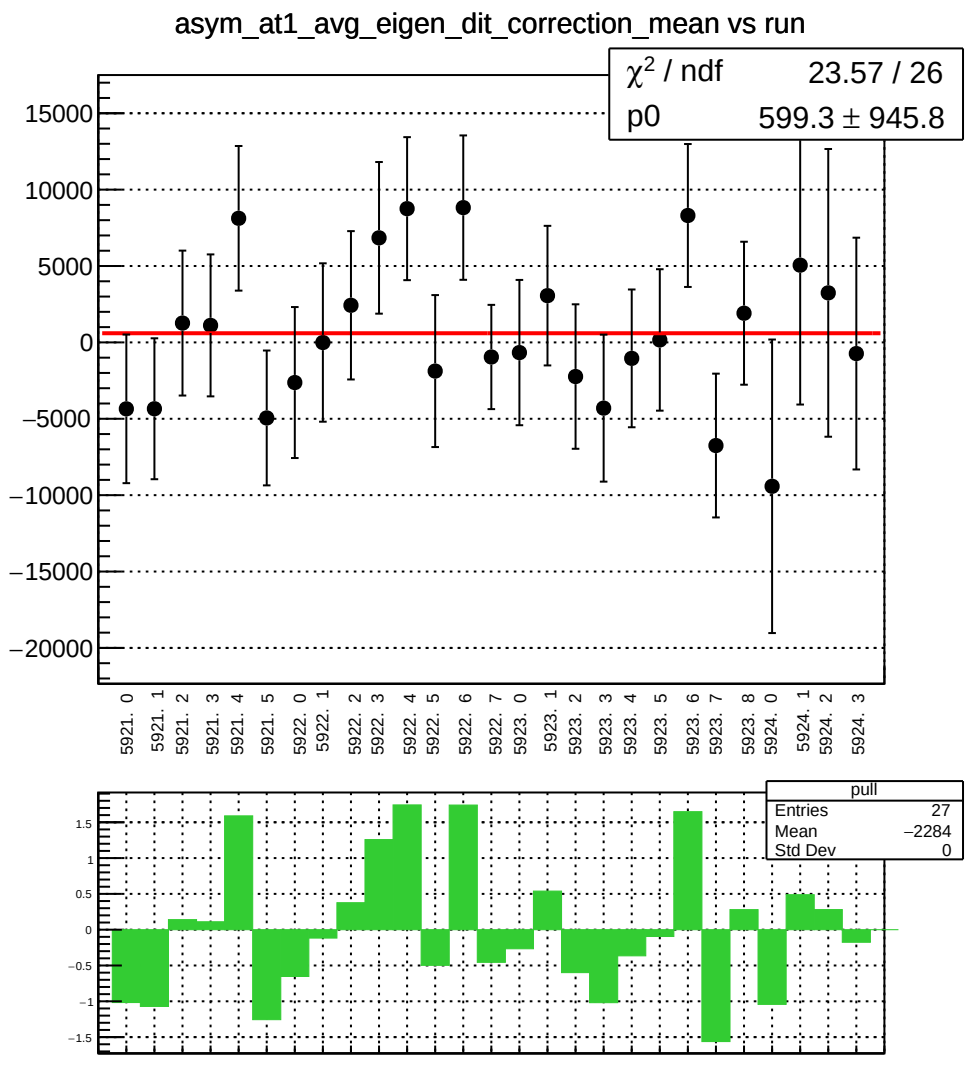
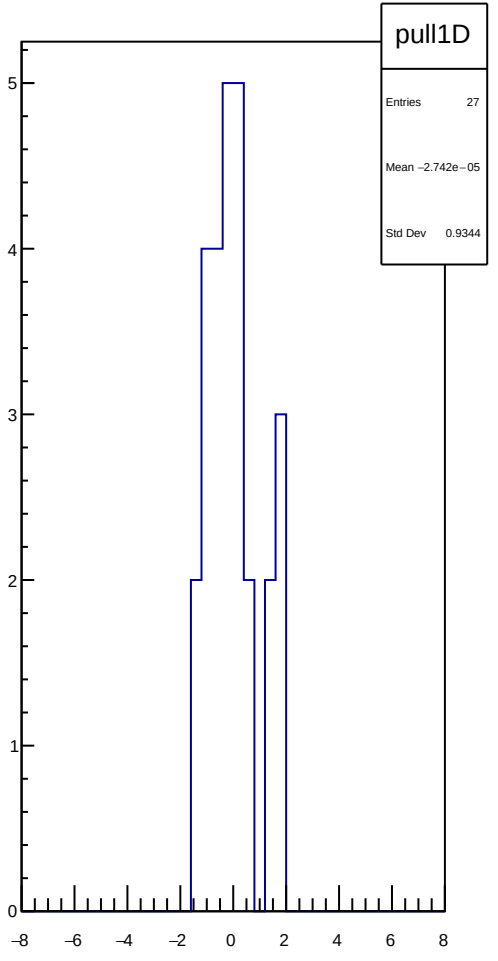
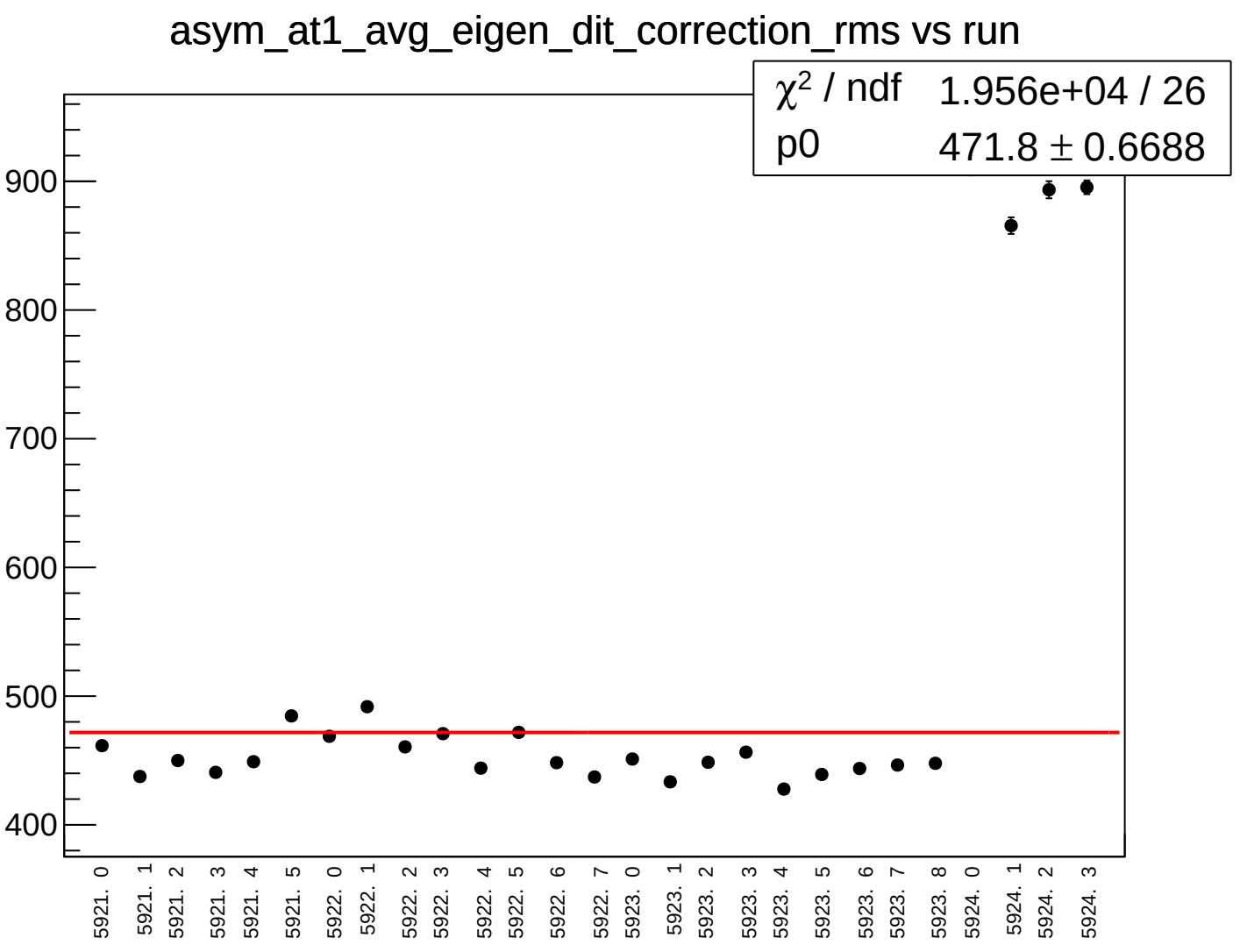
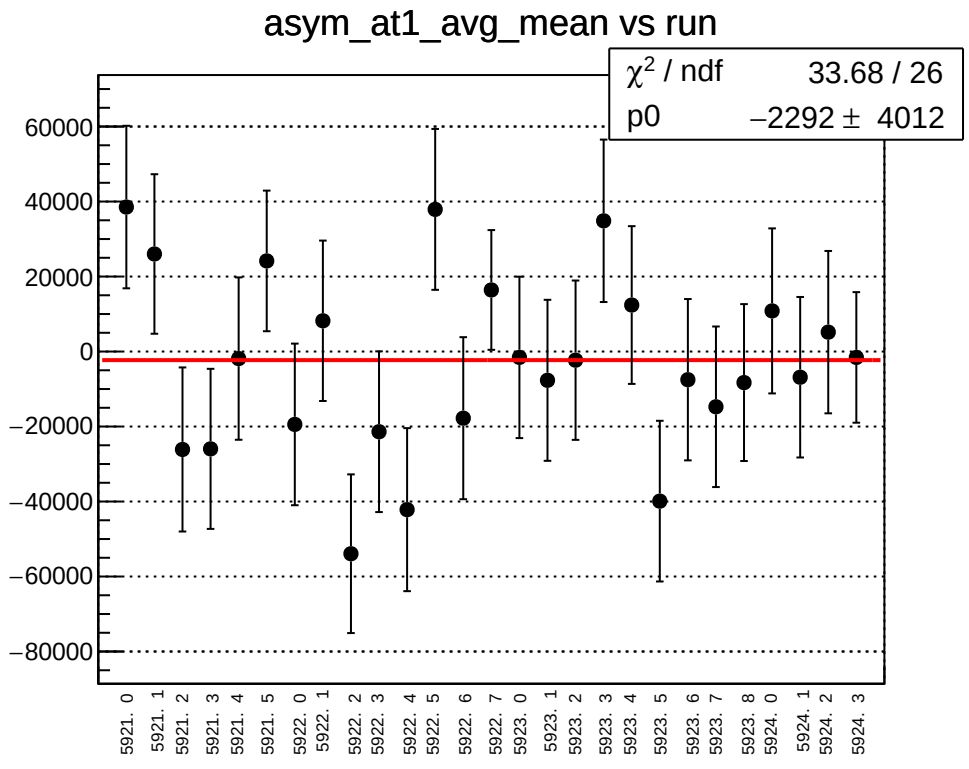
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_at1_avg_rms vs run
χ² / ndf 70.21 / 26
p0 1993 ± 2.771
2060
2040
2020
2000
1980
1960
1940
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


asym_at1_avg_eigen_dit_correction_mean vs run
χ² / ndf 23.57 / 26
p0 599.3 ± 945.8
15000
10000
5000
0
−5000
−10000
−15000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −2284
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 27
Mean −2.742e−05
Std Dev 0.9344
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_at1_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.956e+04 / 26
p0 471.8 ± 0.6688
900
800
700
600
500
400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


asym_at1_avg_mean vs run
χ² / ndf 33.68 / 26
p0 −2292 ± 4012
60000
40000
20000
0
−20000
−40000
−60000
−80000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
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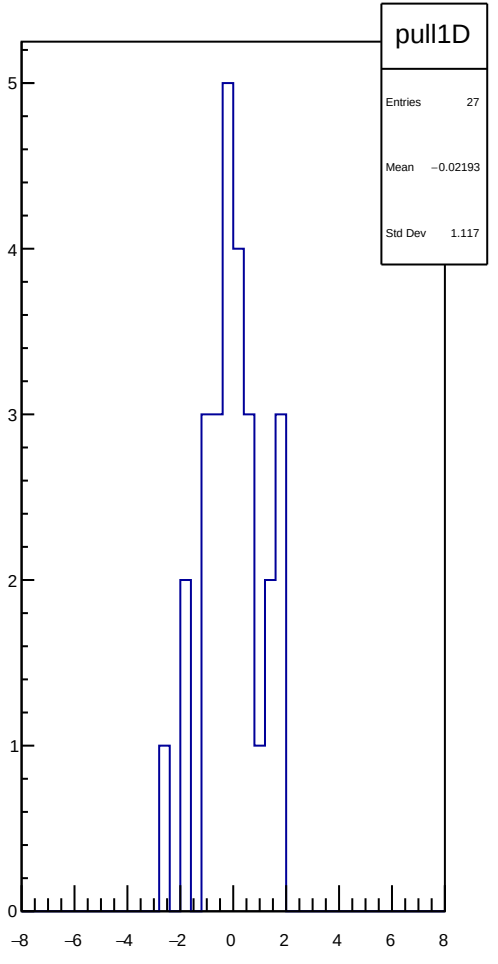
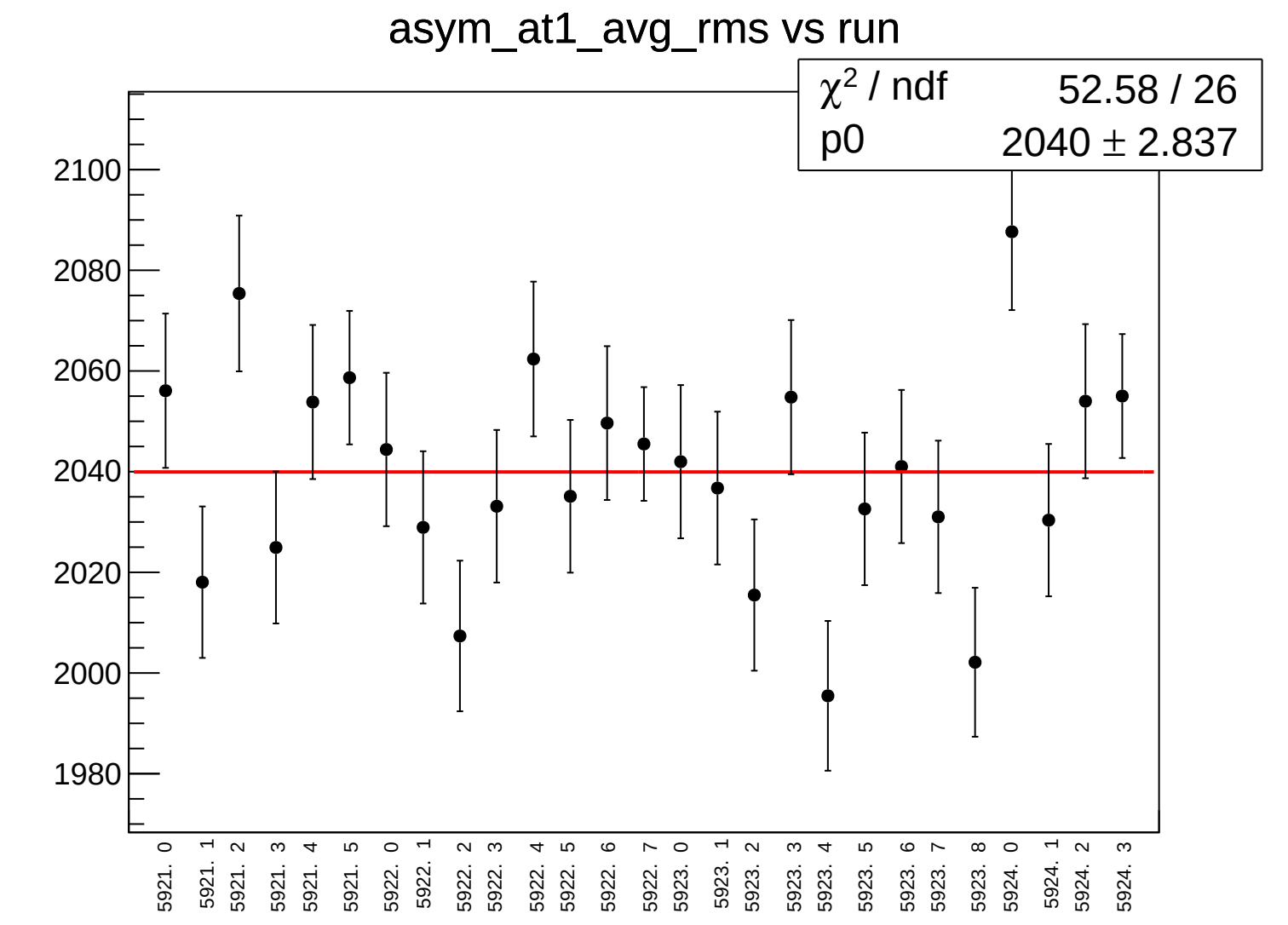
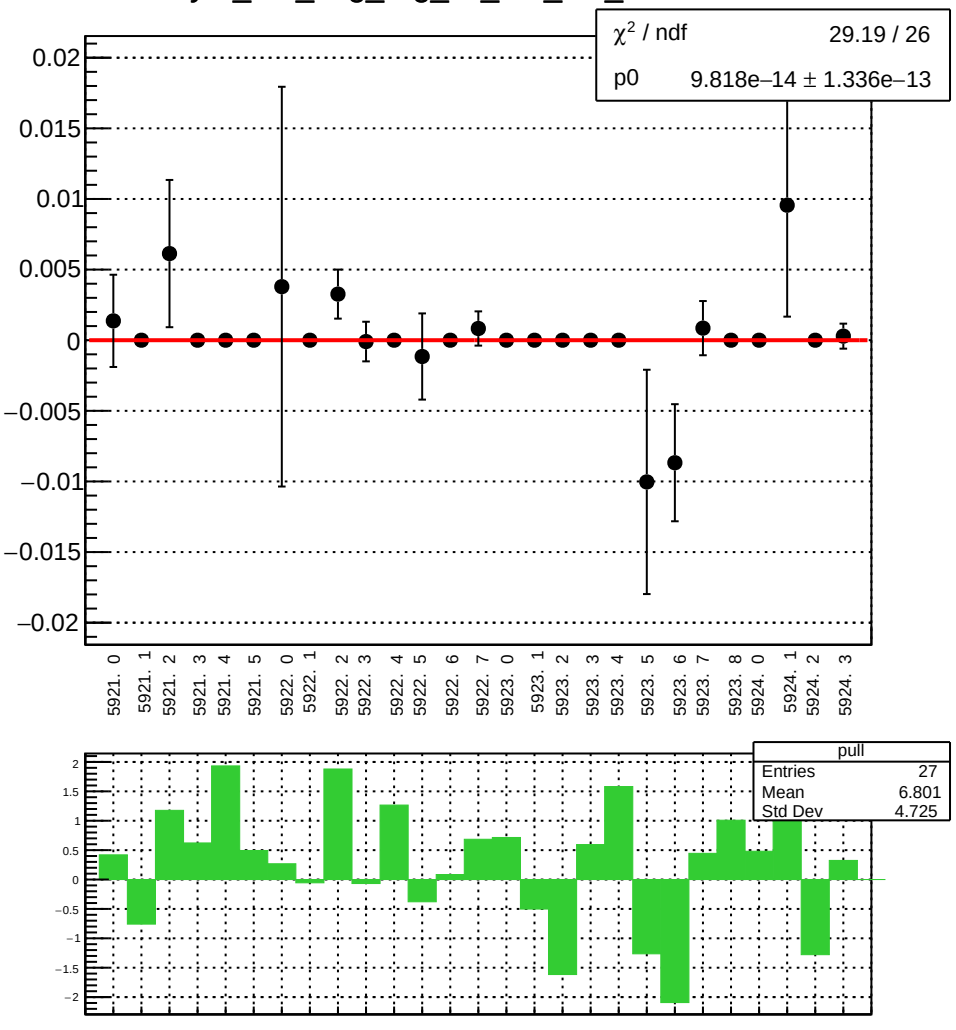
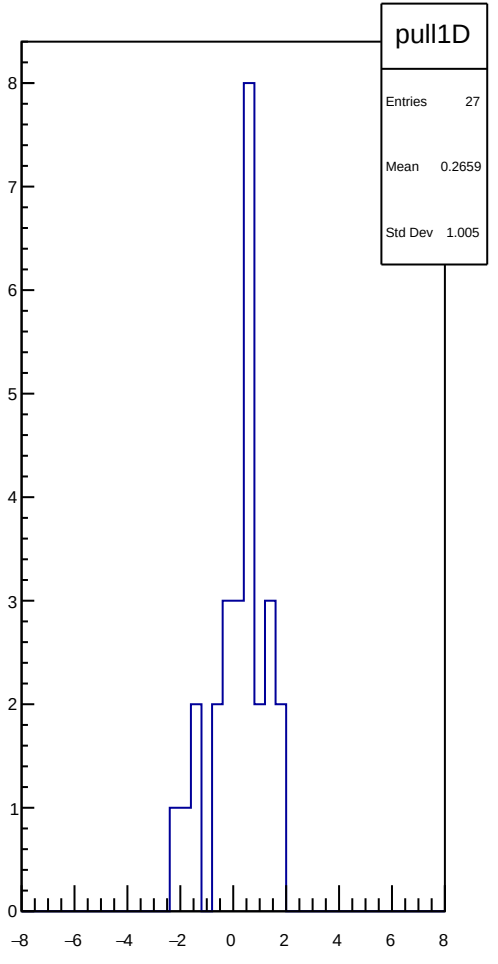
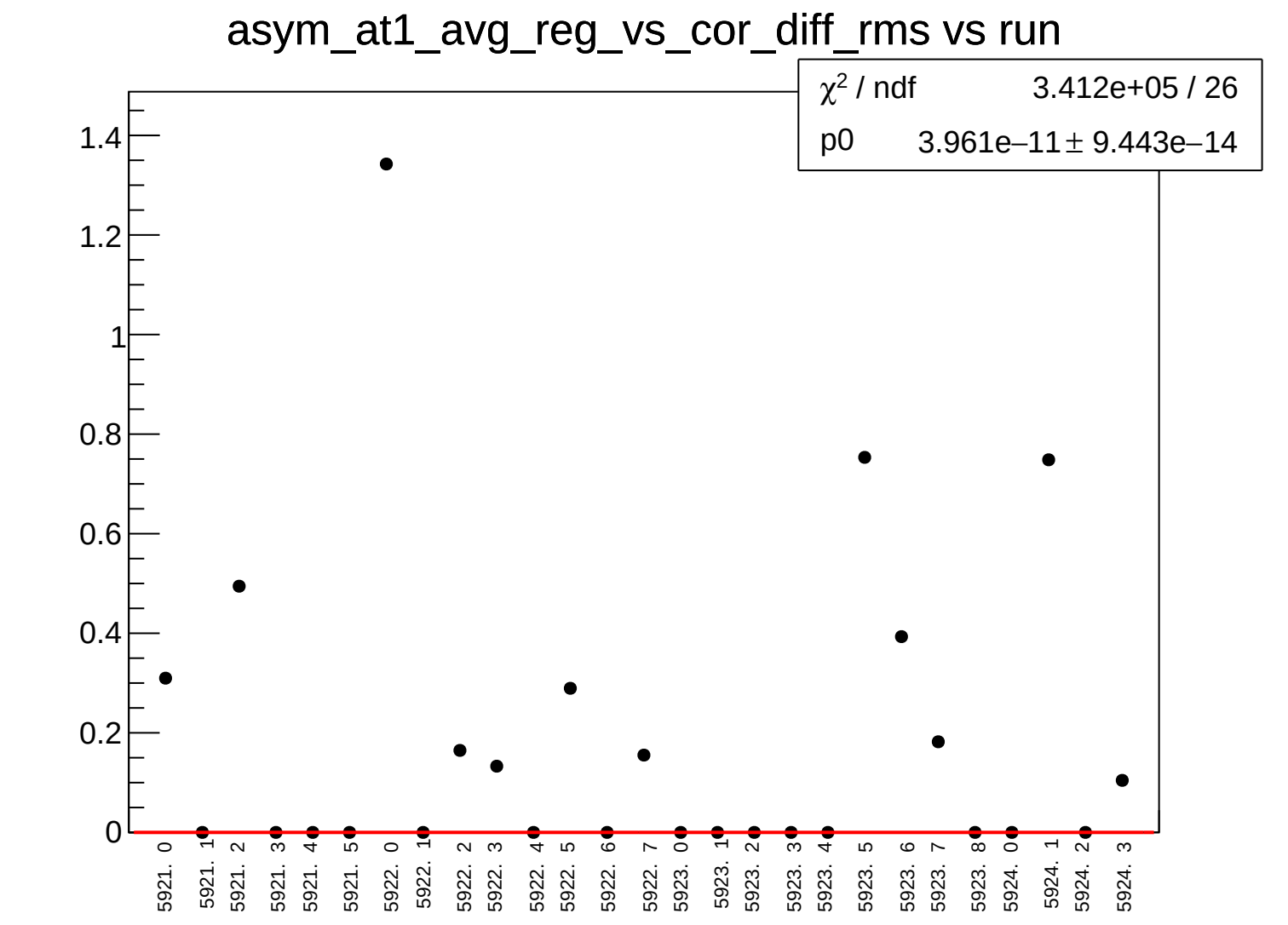
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 29.15
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

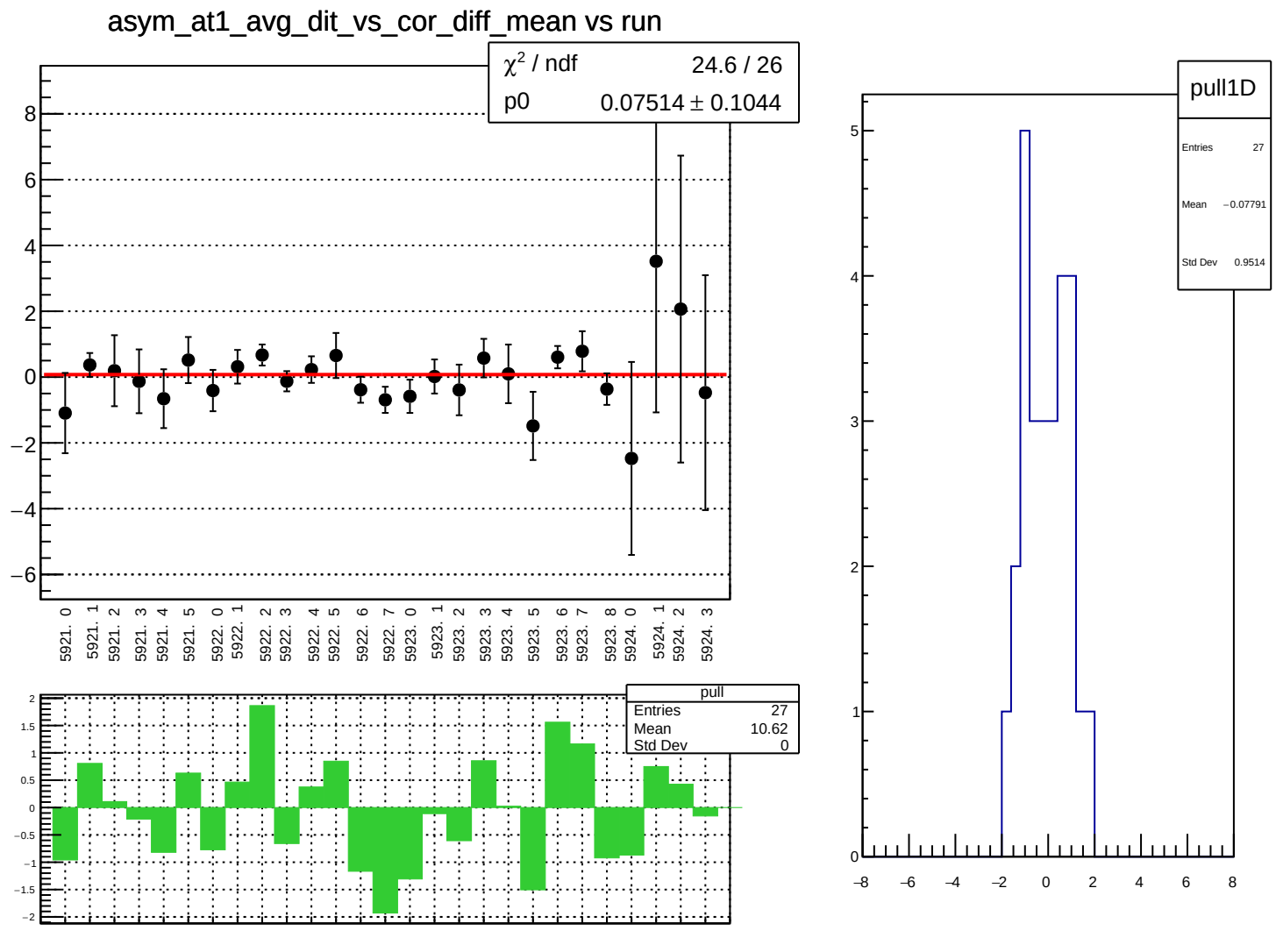

pull1D
Entries 27
Mean −0.02193
Std Dev 1.117
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

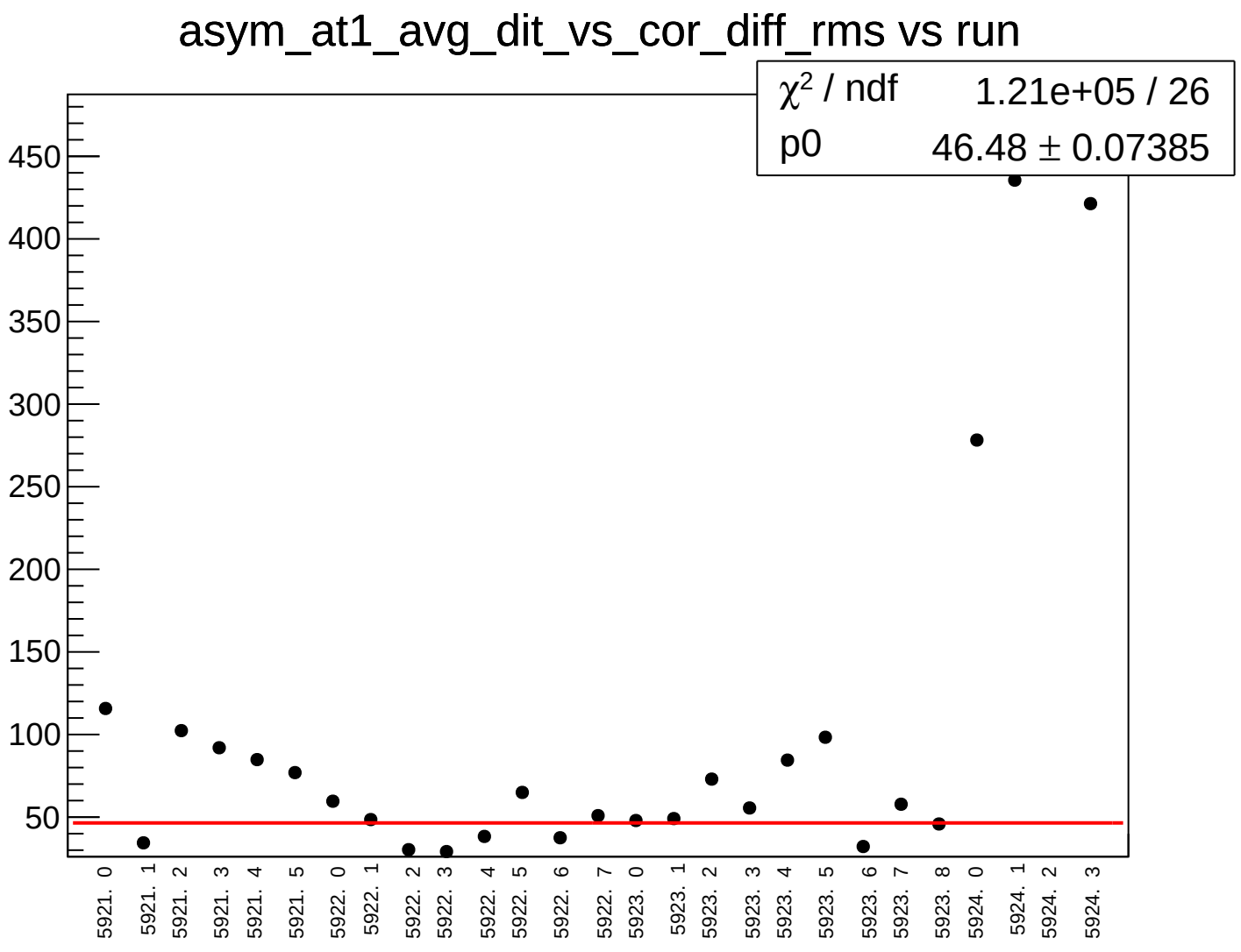

asym_at1_avg_rms vs run
χ² / ndf 52.58 / 26
p0 2040 ± 2.837
2100
2080
2060
2040
2020
2000
1980
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

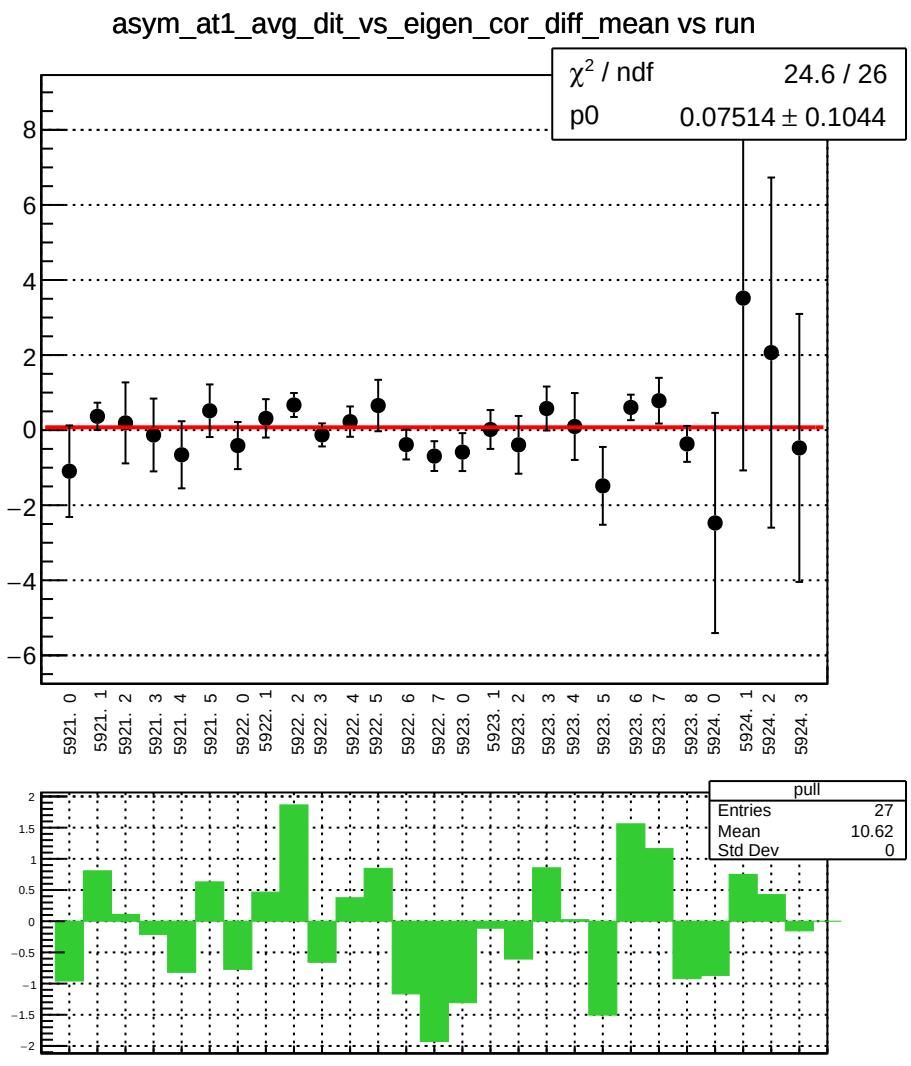

asym_at1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 29.19 / 26
p0 9.818e−14 ± 1.336e−13
0.02
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 6.801
Std Dev 4.725
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

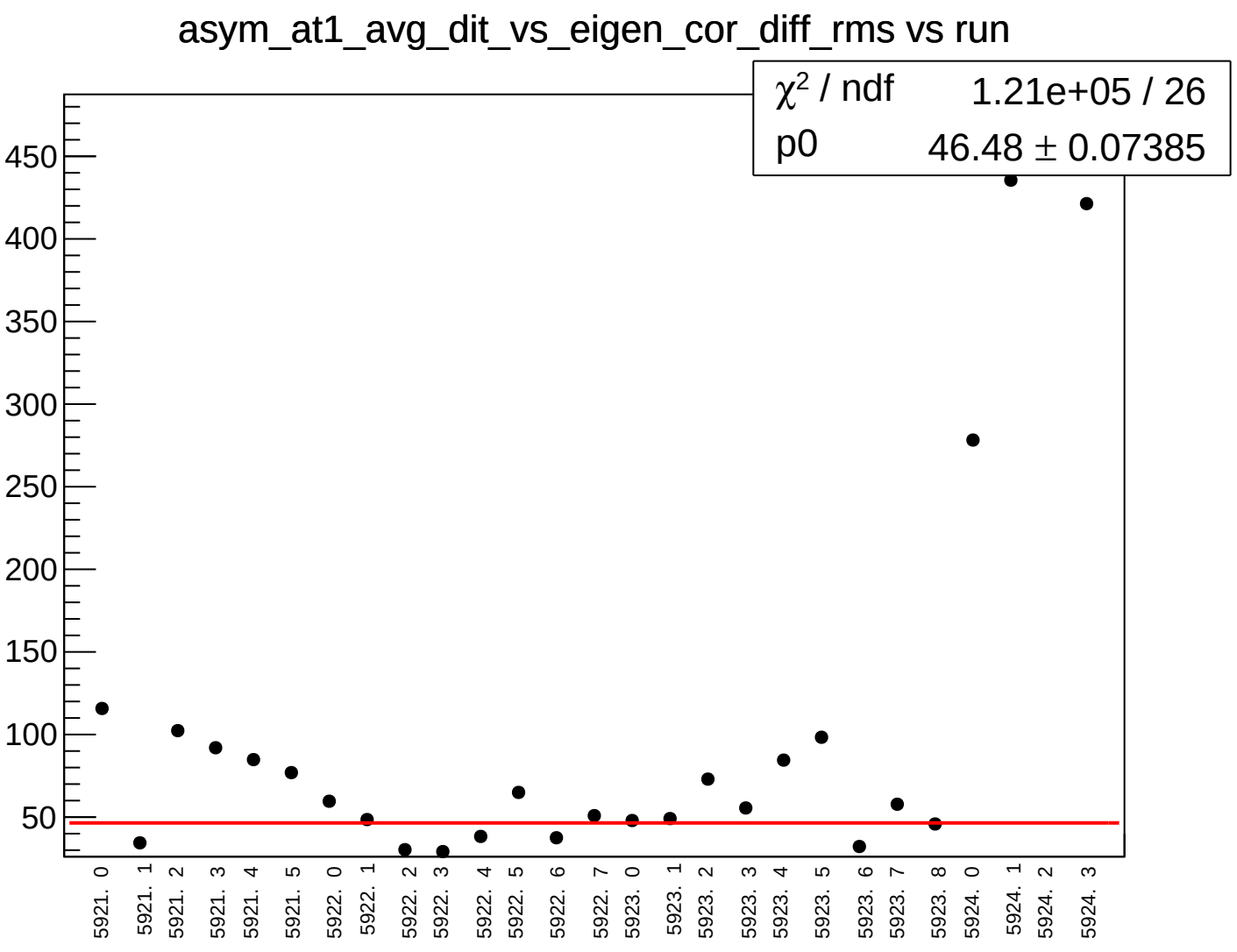

pull1D
Entries 27
Mean 0.2659
Std Dev 1.005
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

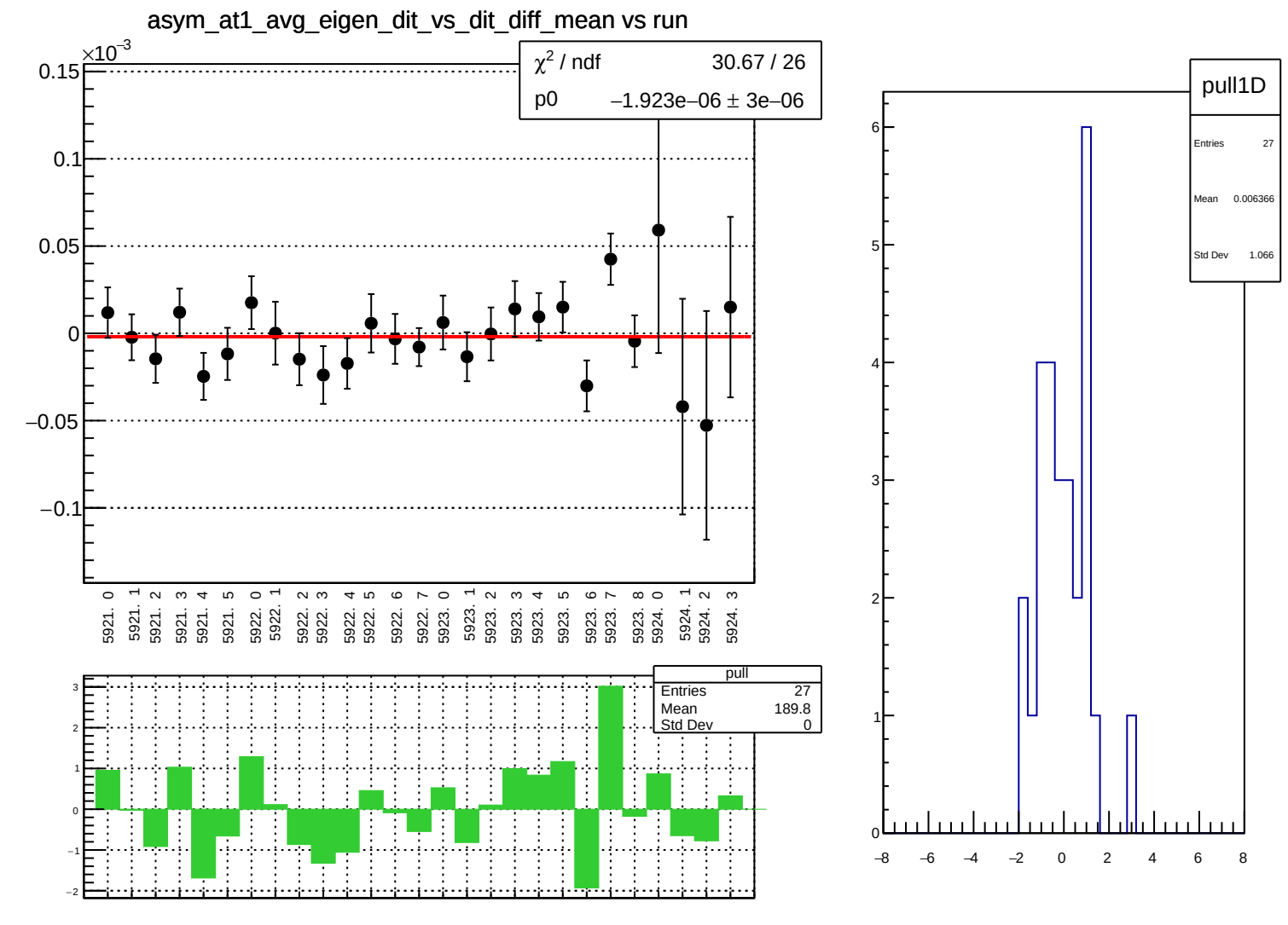

asym_at1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.412e+05 / 26
p0 3.961e−11 ± 9.443e−14
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

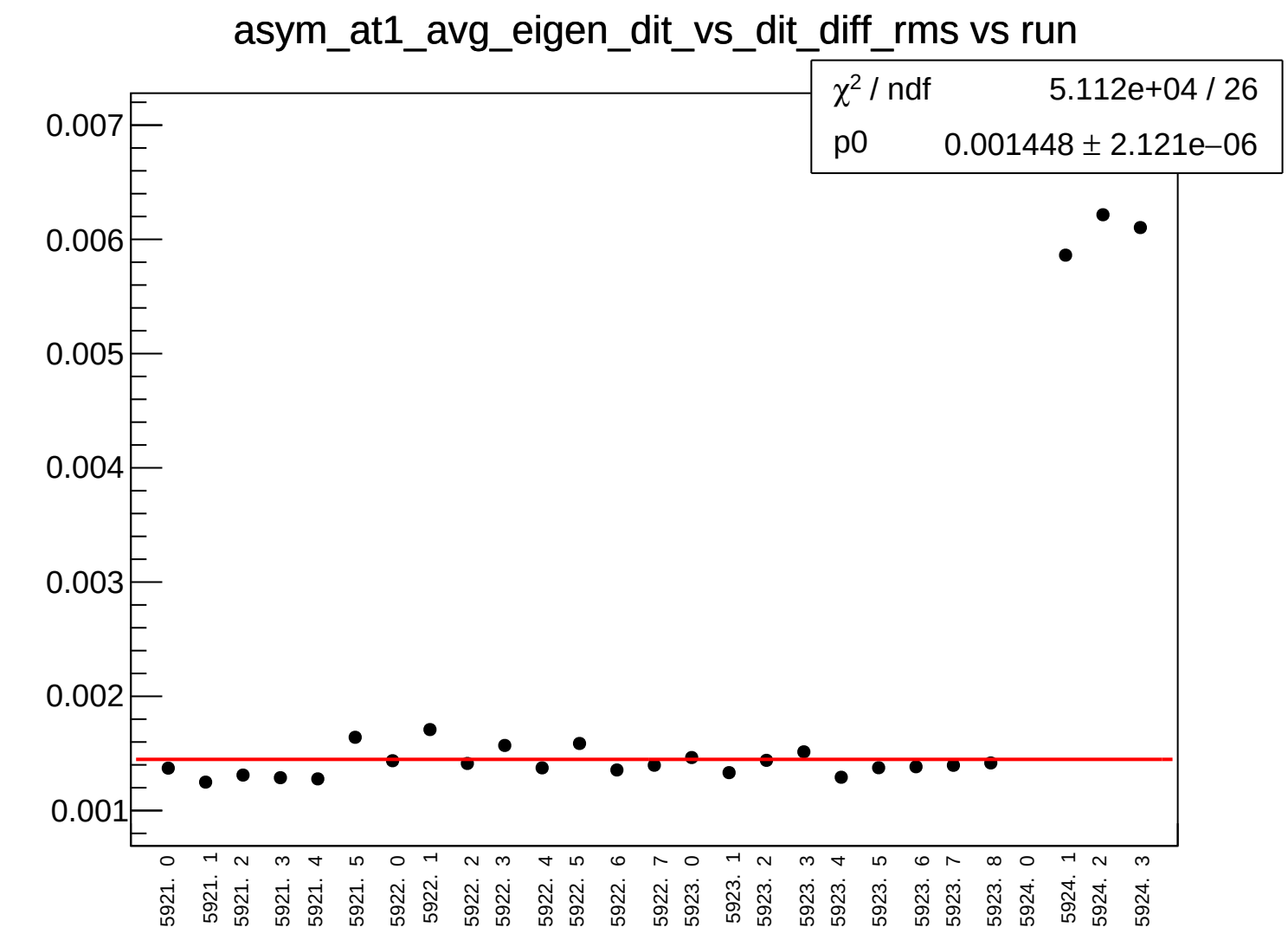

asym_at1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 24.6 / 26
p0 0.07514 ± 0.1044
8
6
4
2
0
−2
−4
−6
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 10.62
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.07791
Std Dev 0.9514
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

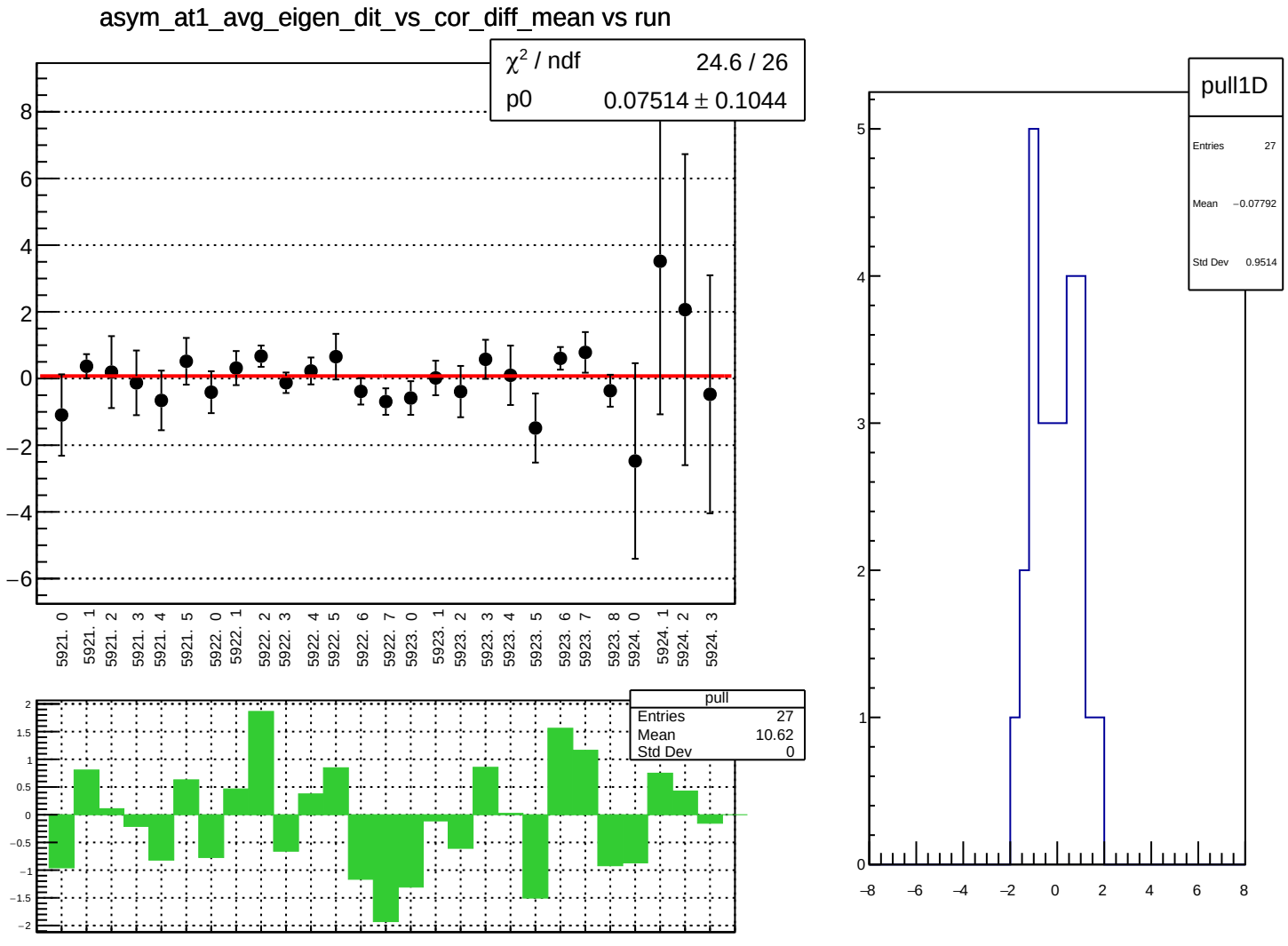

asym_at1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.21e+05 / 26
p0 46.48 ± 0.07385
450
400
350
300
250
200
150
100
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

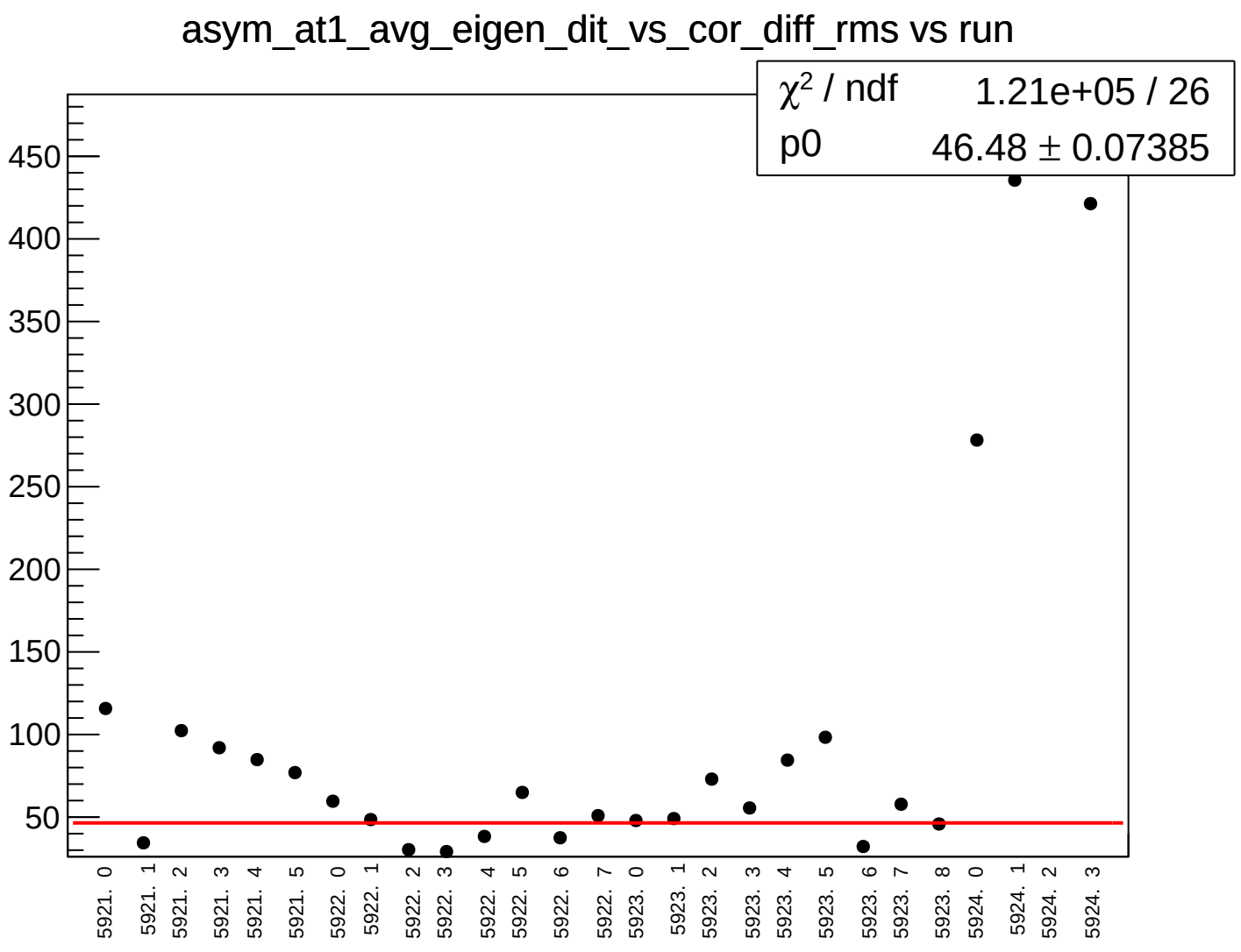

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 24.6 / 26
p0 0.07514 ± 0.1044
8
6
4
2
0
−2
−4
−6
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 10.62
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.07791
Std Dev 0.9514
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

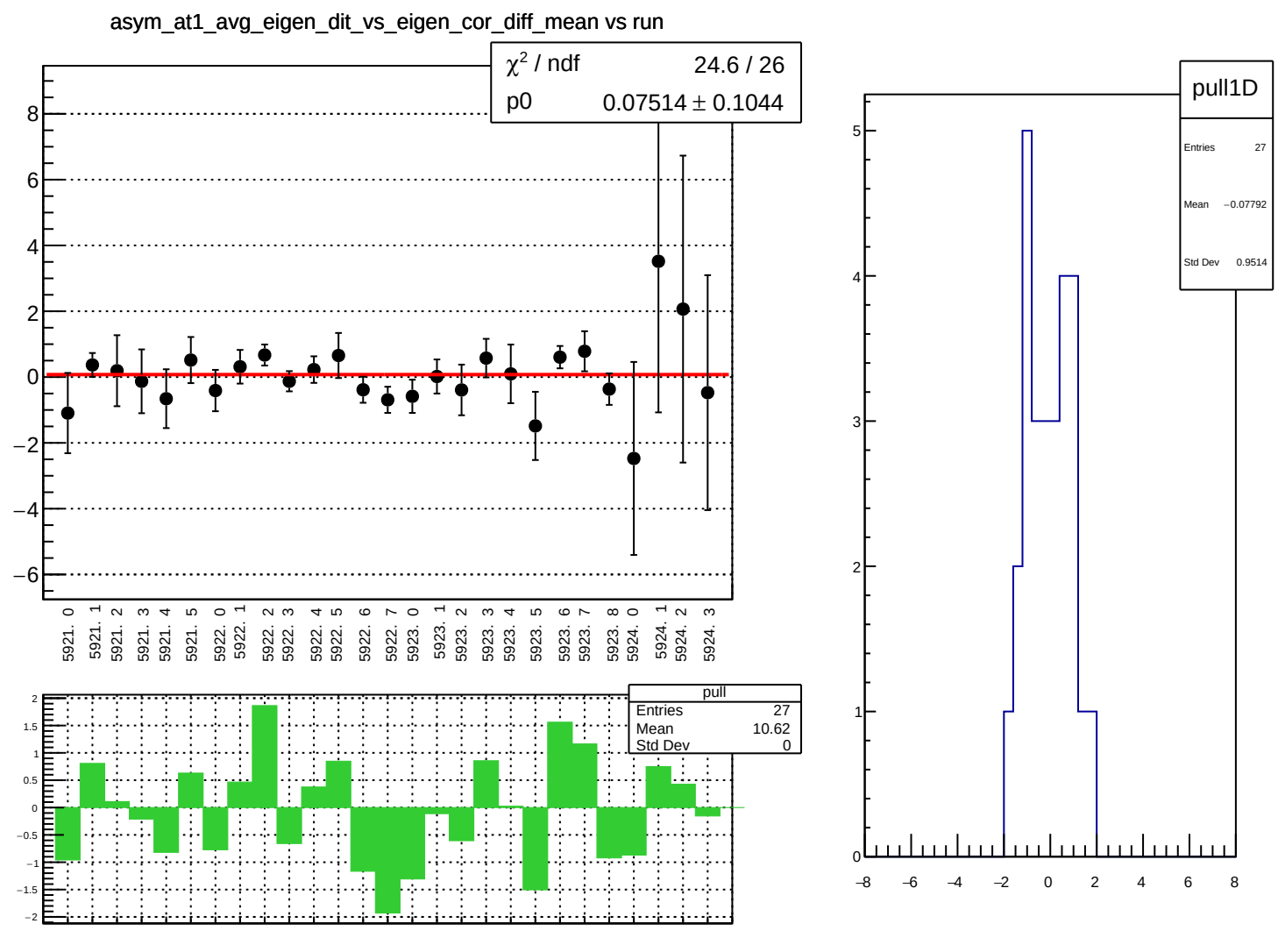

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.21e+05 / 26
p0 46.48 ± 0.07385
450
400
350
300
250
200
150
100
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

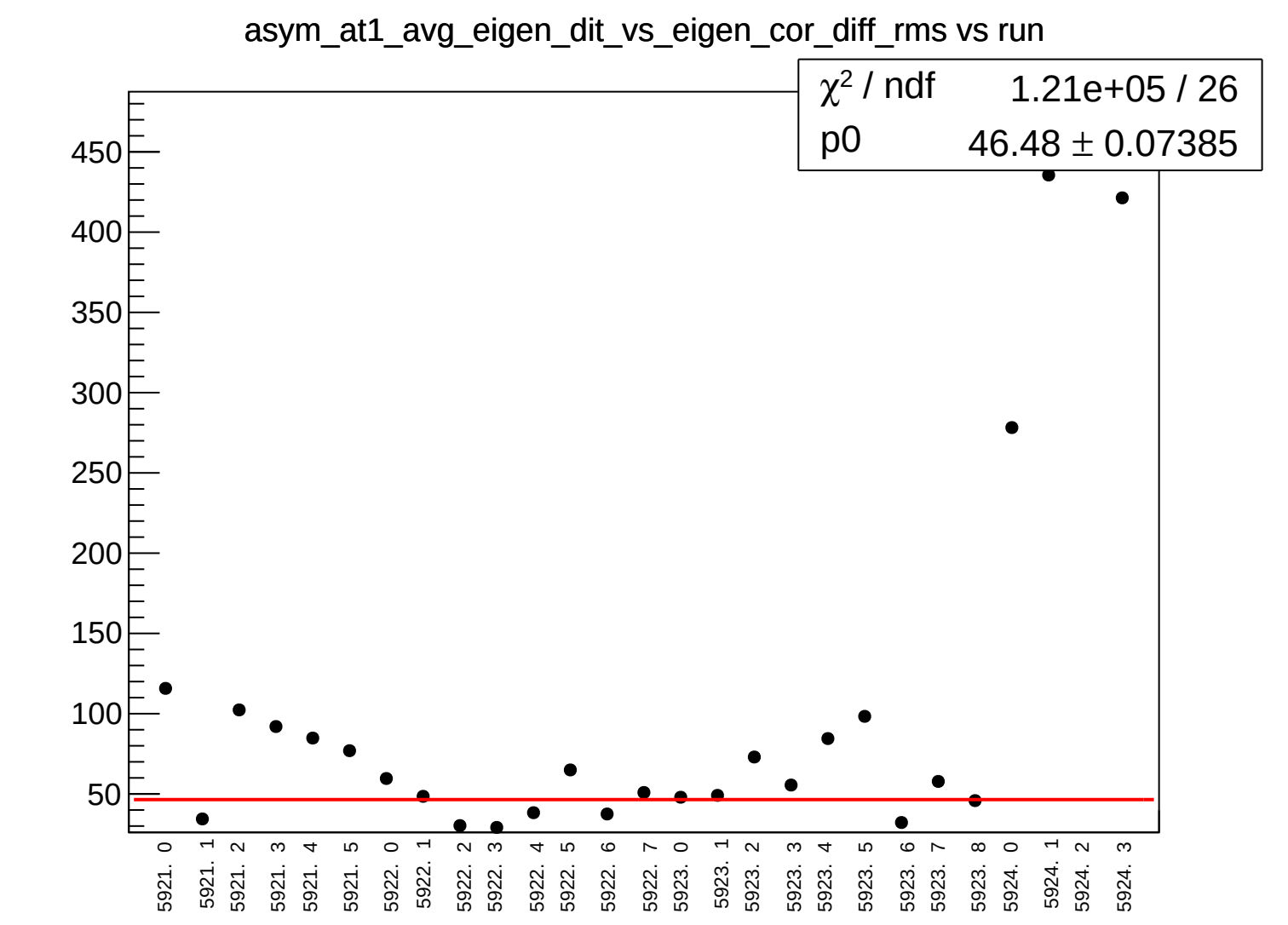

asym_at1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 30.67 / 26
p0 –1.923e–06 ± 3e–06
0.15
0.1
0.05
0
–0.05
–0.1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 189.8
Std Dev 0
3
2
1
0
–1
–2
pull1D
Entries 27
Mean 0.006366
Std Dev 1.066
6
5
4
3
2
1
0
–8
–6
–4
–2
0
2
4
6
8

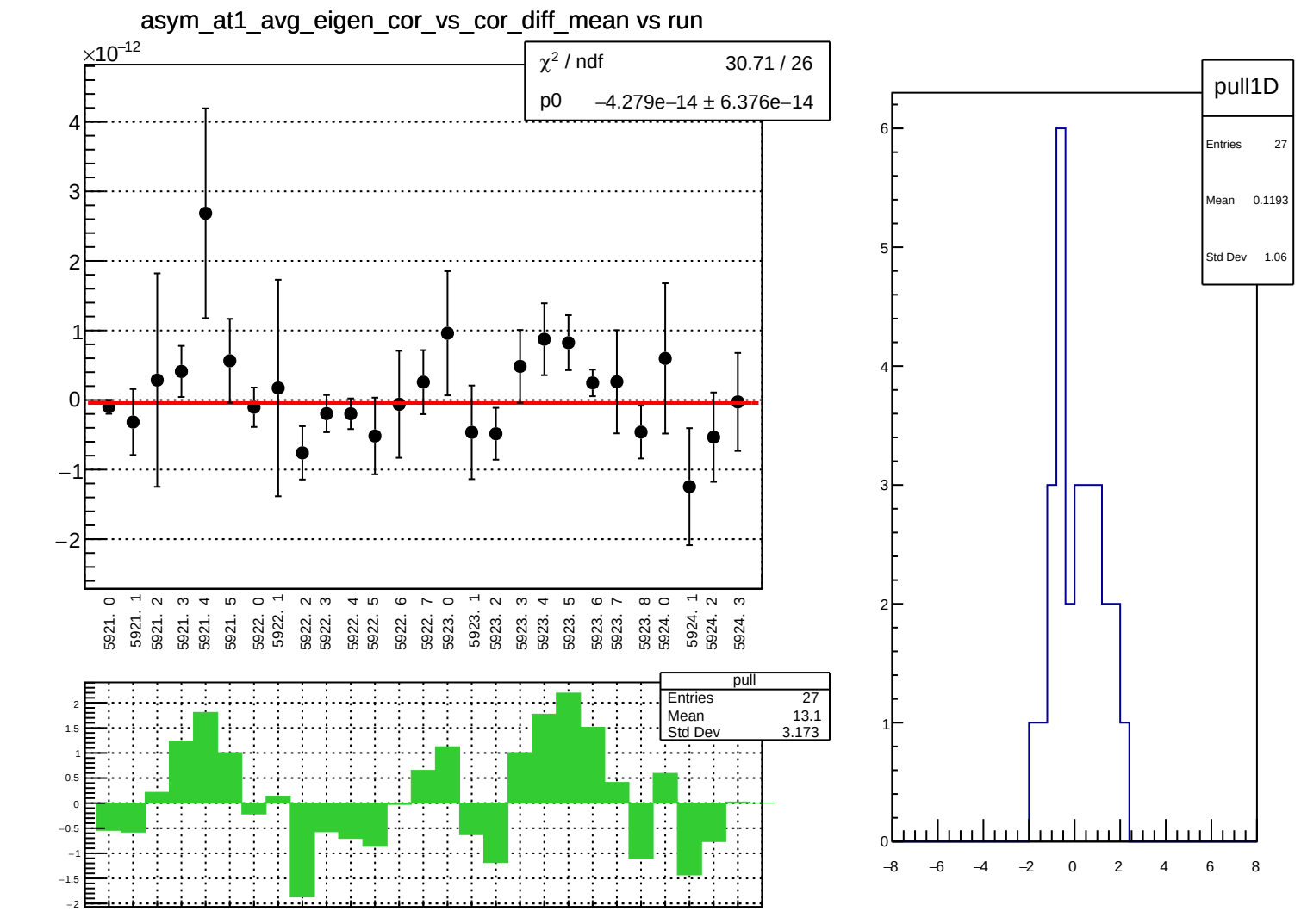

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5.112e+04 / 26
p0 0.001448 ± 2.121e−06
0.007
0.006
0.005
0.004
0.003
0.002
0.001
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

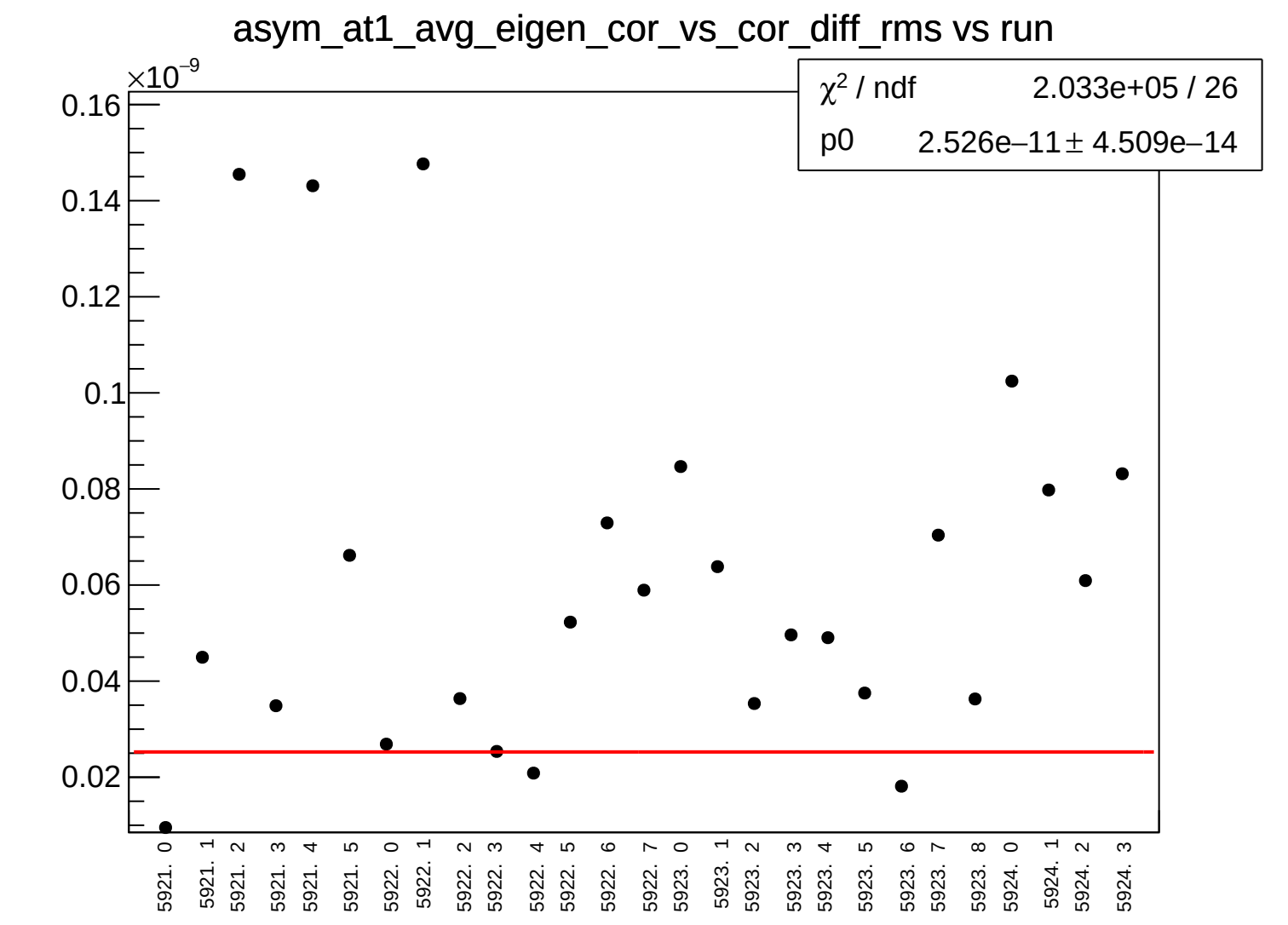

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 24.6 / 26
p0 0.07514 ± 0.1044
8
6
4
2
0
−2
−4
−6
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 10.62
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.07792
Std Dev 0.9514
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

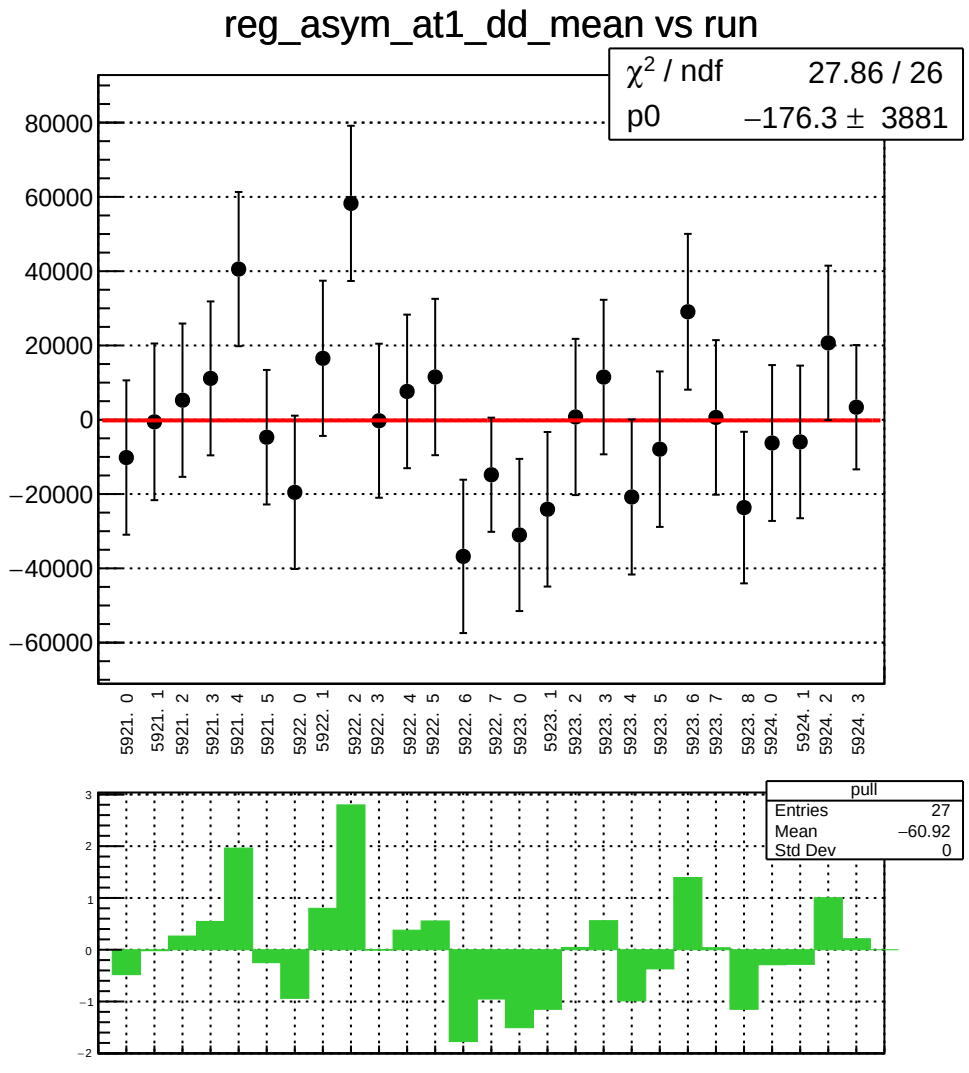

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.21e+05 / 26
p0 46.48 ± 0.07385
450
400
350
300
250
200
150
100
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

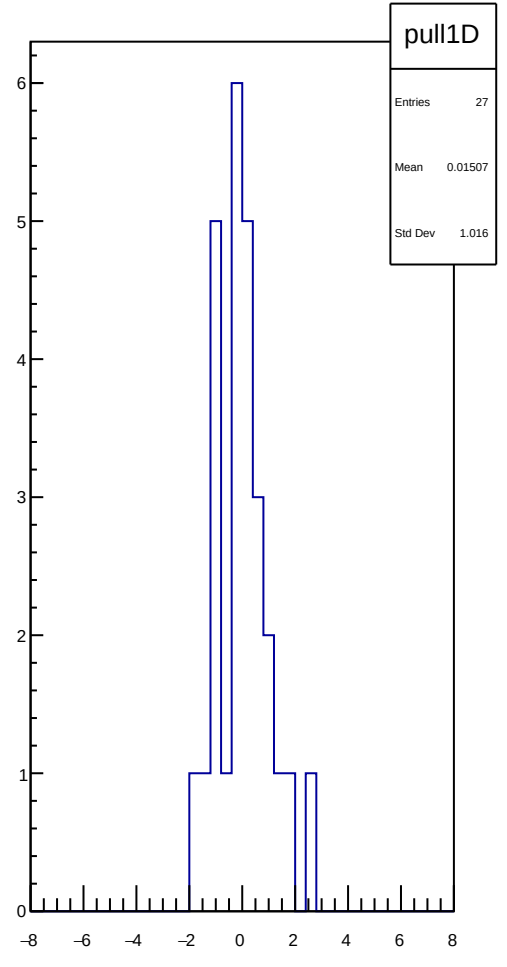

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 24.6 / 26
p0 0.07514 ± 0.1044
8
6
4
2
0
−2
−4
−6
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 10.62
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.07792
Std Dev 0.9514
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

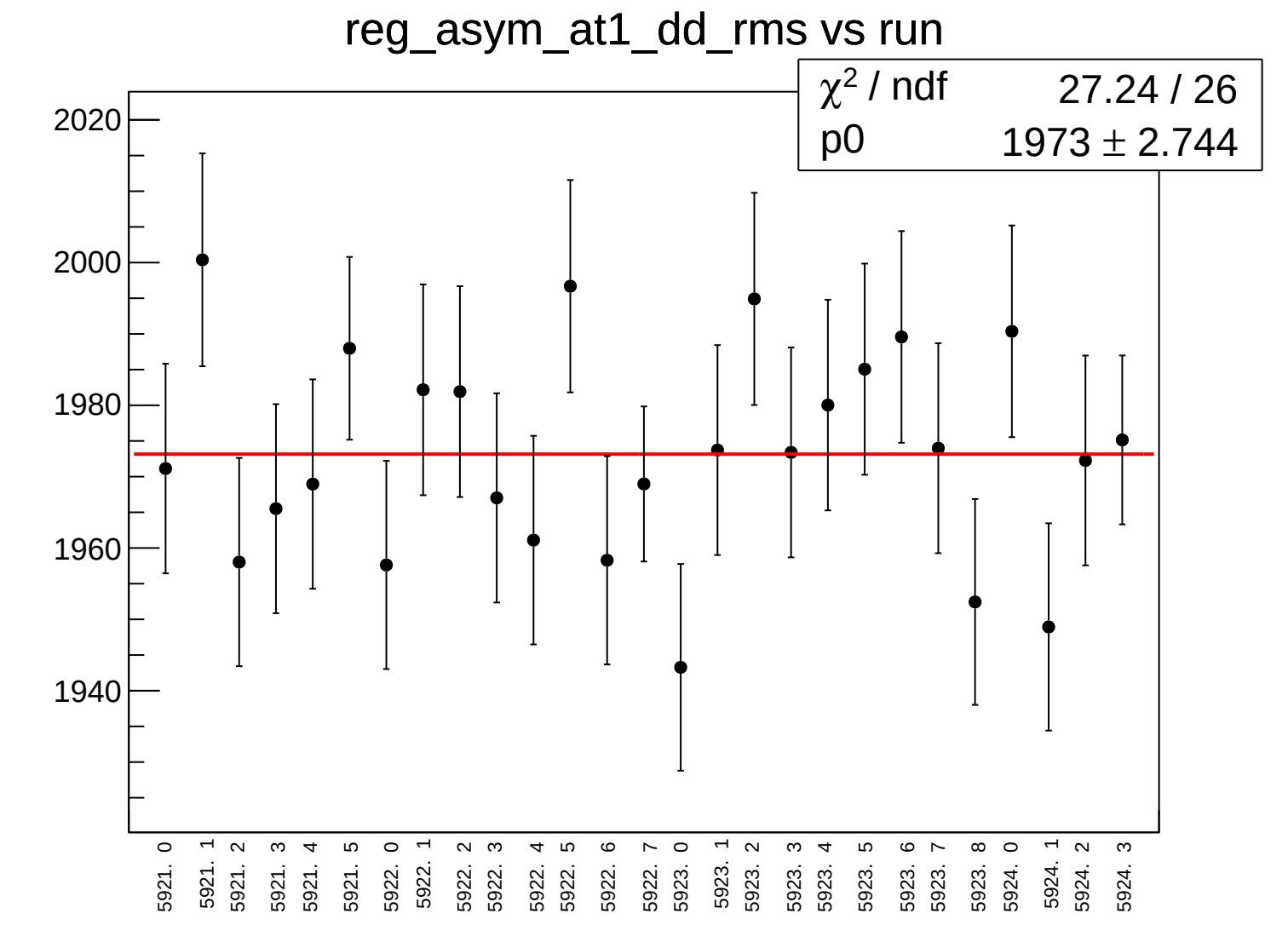

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.21e+05 / 26
p0 46.48 ± 0.07385
450
400
350
300
250
200
150
100
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

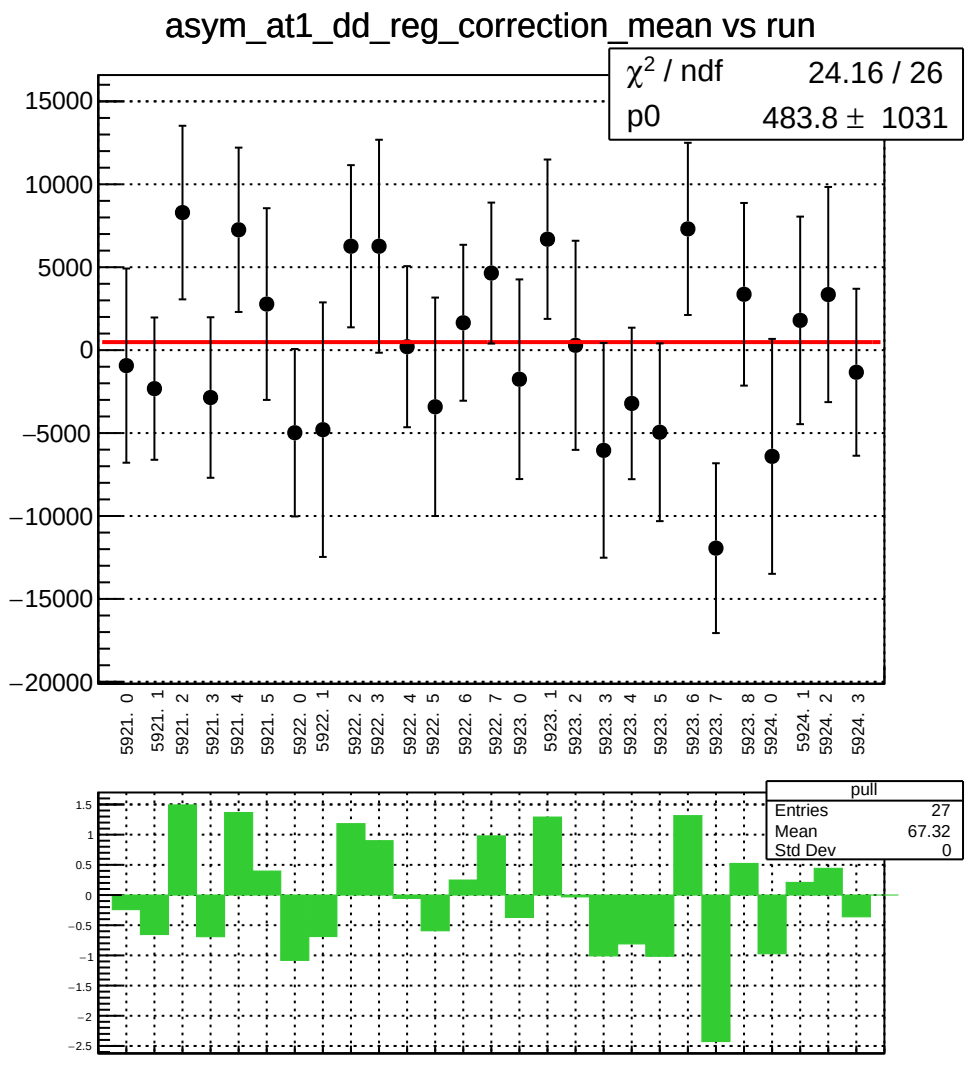

asym_at1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 30.71 / 26
p0 −4.279e−14 ± 6.376e−14
4
3
2
1
0
−1
−2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 13.1
Std Dev 3.173
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean 0.1193
Std Dev 1.06
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

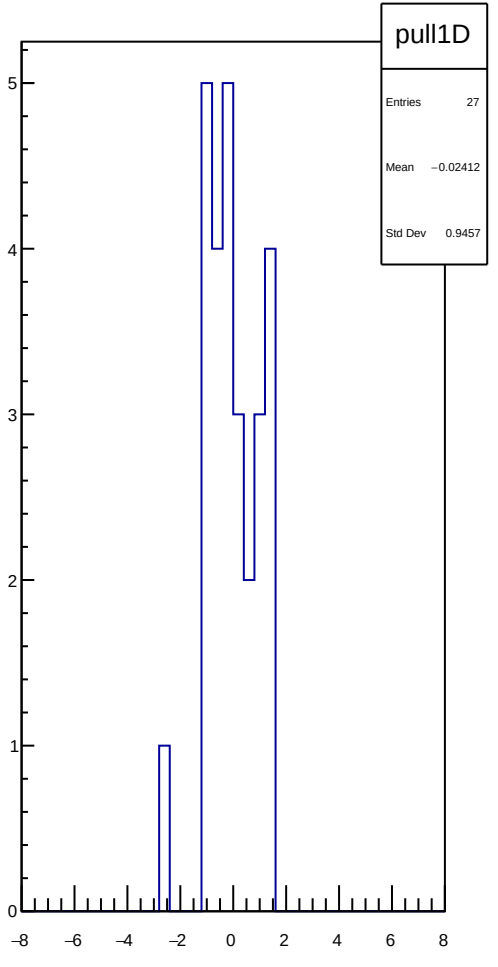

asym_at1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.033e+05 / 26
p0 2.526e−11 ± 4.509e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

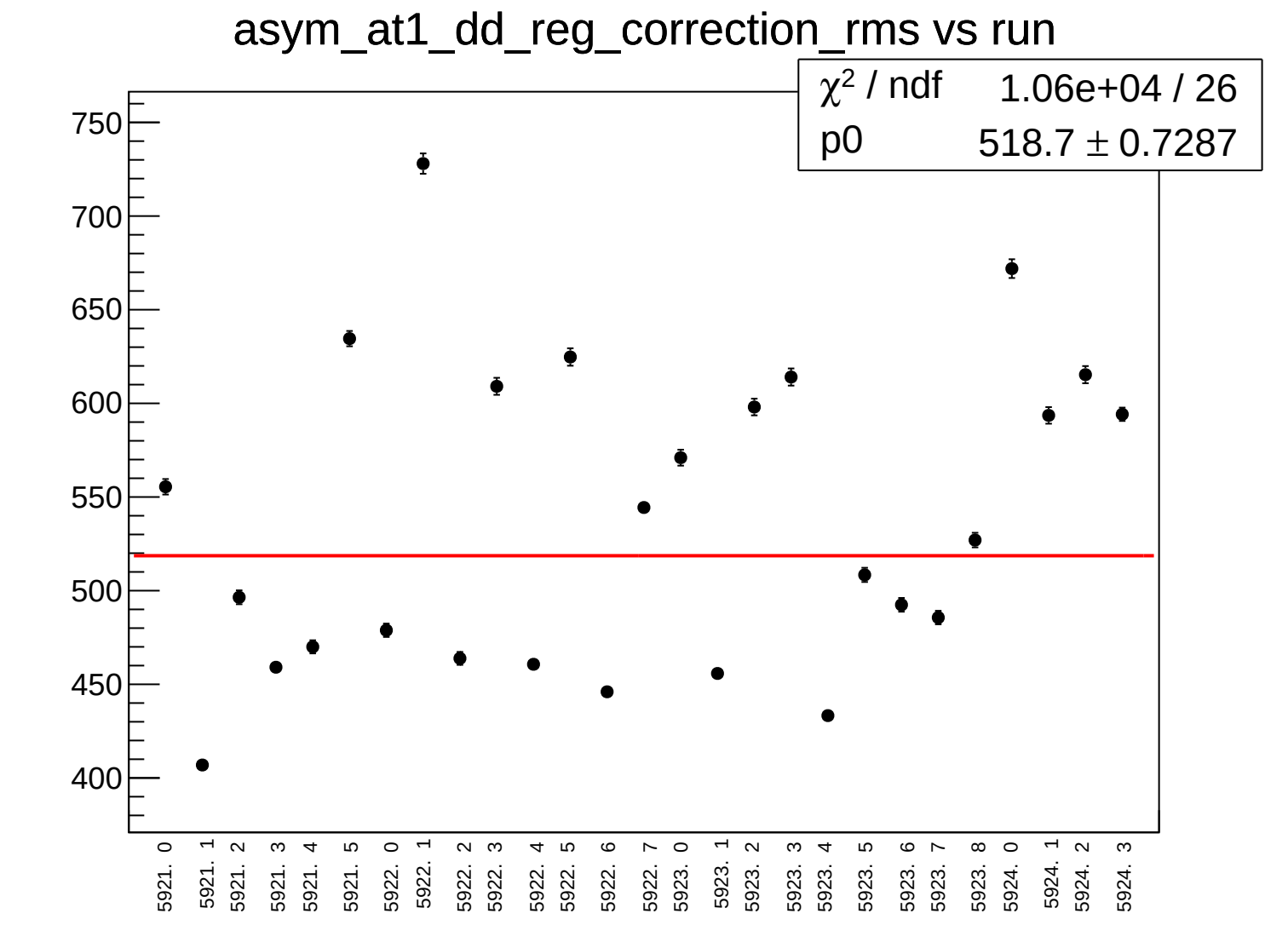

reg_asym_at1_dd_mean vs run
χ² / ndf 27.86 / 26
p0 −176.3 ± 3881
80000
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −60.92
Std Dev 0
3
2
1
0
−1
−2

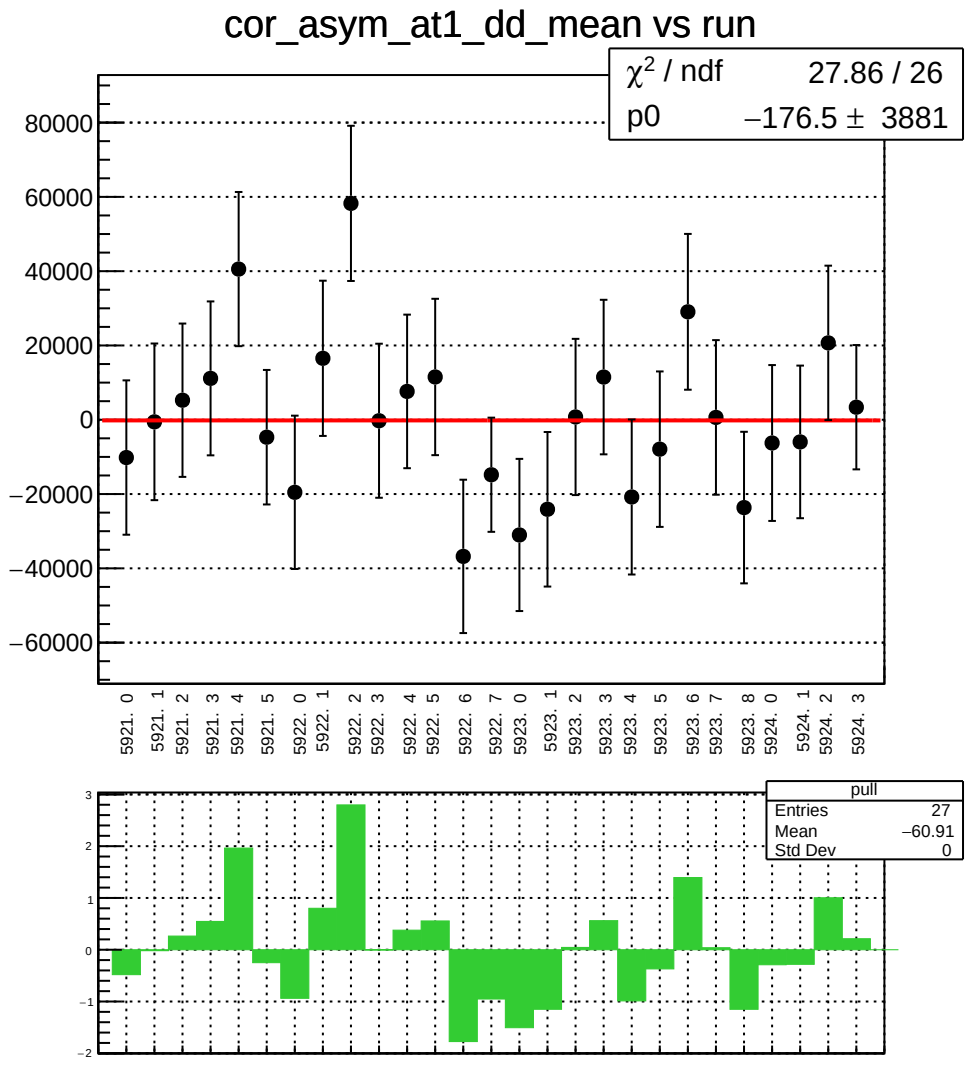

pull1D
Entries 27
Mean 0.01507
Std Dev 1.016
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

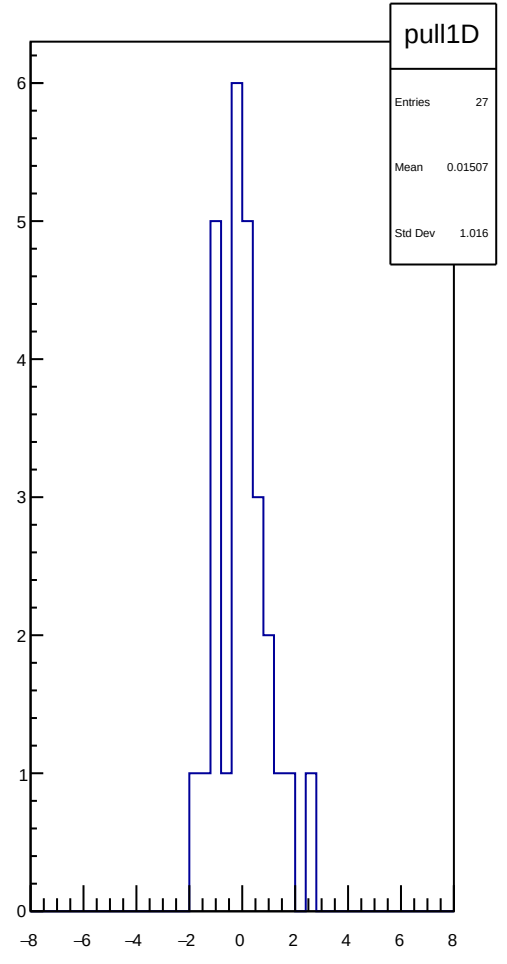

reg_asym_at1_dd_rms vs run
χ² / ndf 27.24 / 26
p0 1973 ± 2.744
2020
2000
1980
1960
1940
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

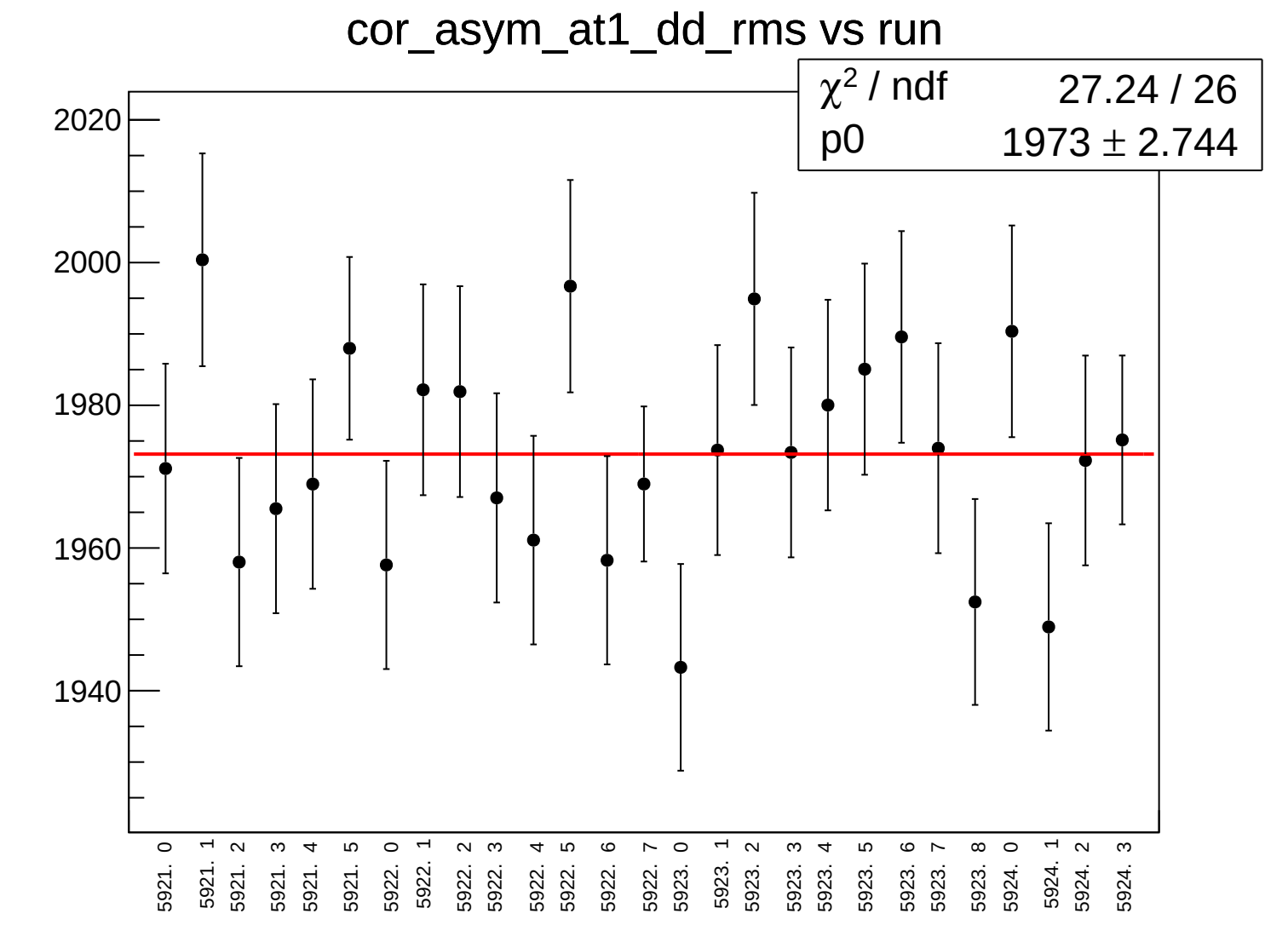

asym_at1_dd_reg_correction_mean vs run
χ² / ndf 24.16 / 26
p0 483.8 ± 1031
15000
10000
5000
0
−5000
−10000
−15000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 67.32
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

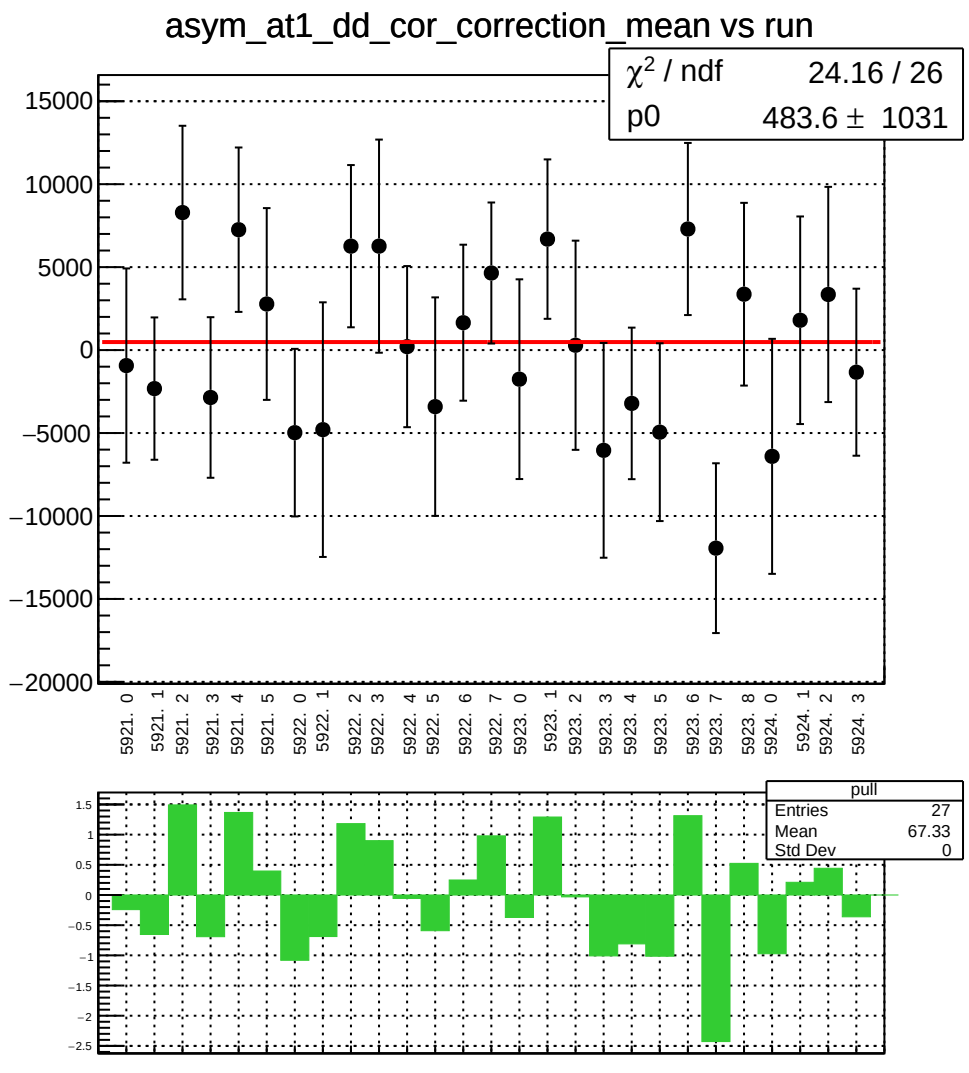

pull1D
Entries 27
Mean −0.02412
Std Dev 0.9457
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

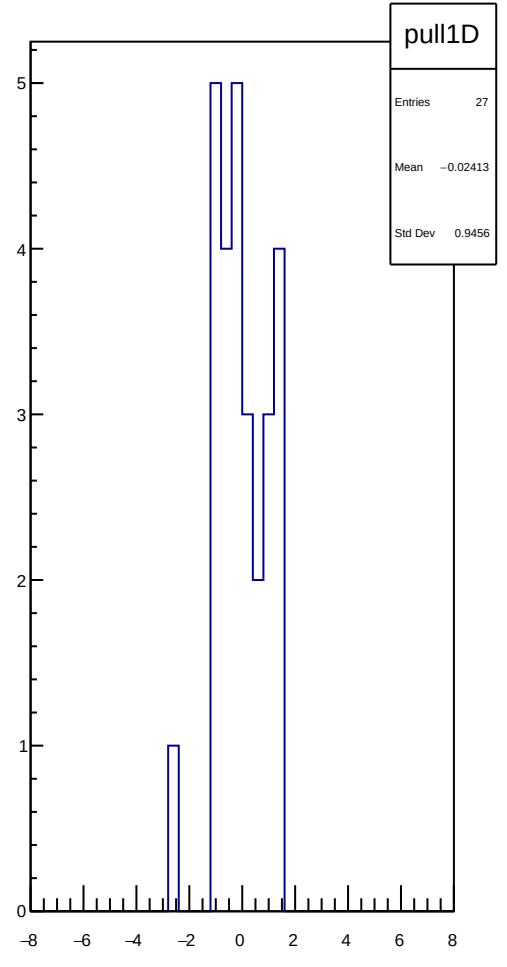

asym_at1_dd_reg_correction_rms vs run
χ² / ndf 1.06e+04 / 26
p0 518.7 ± 0.7287
750
700
650
600
550
500
450
400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

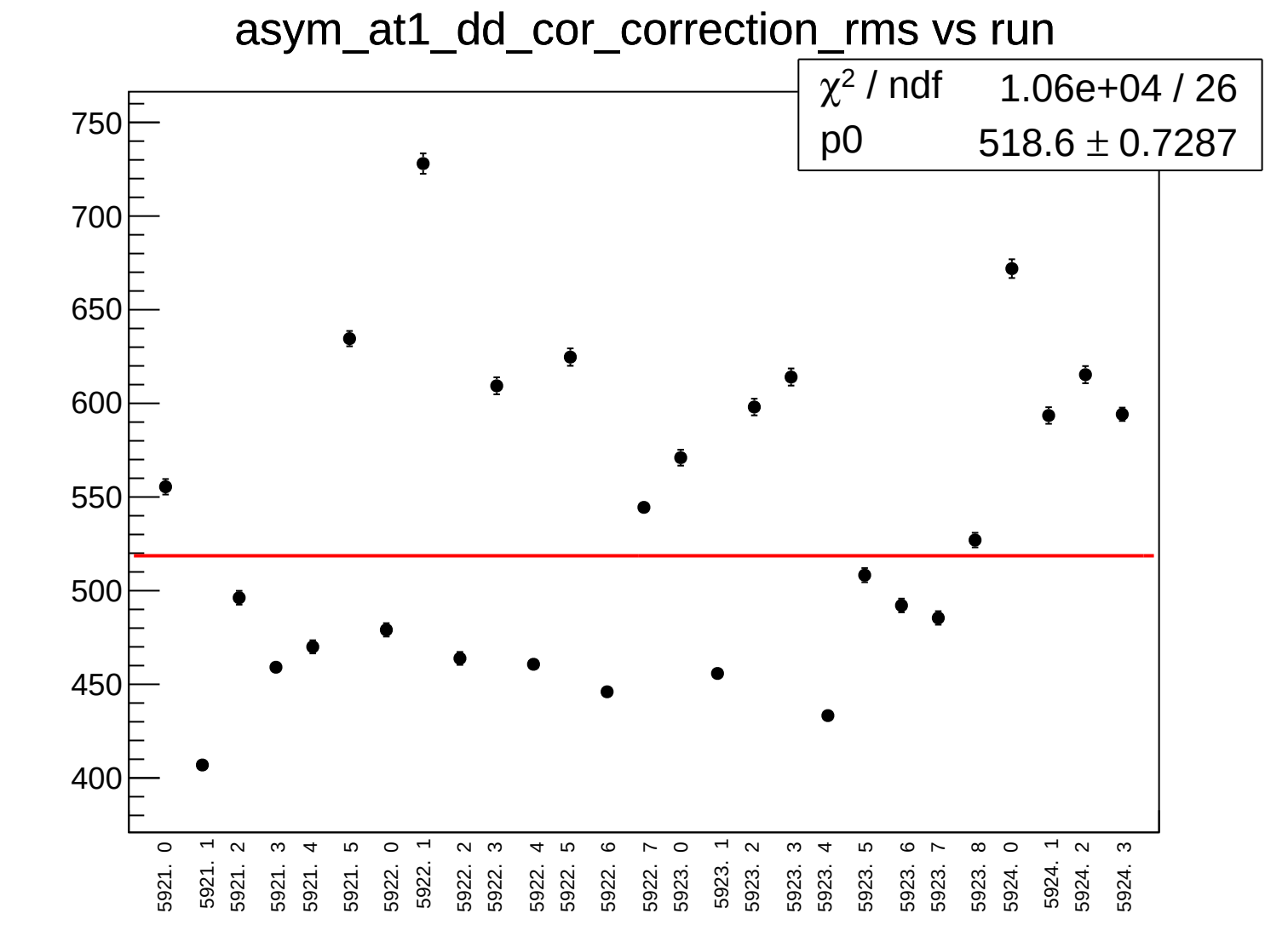

cor_asym_at1_dd_mean vs run
χ² / ndf 27.86 / 26
p0 −176.5 ± 3881
80000
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −60.91
Std Dev 0
3
2
1
0
−1
−2

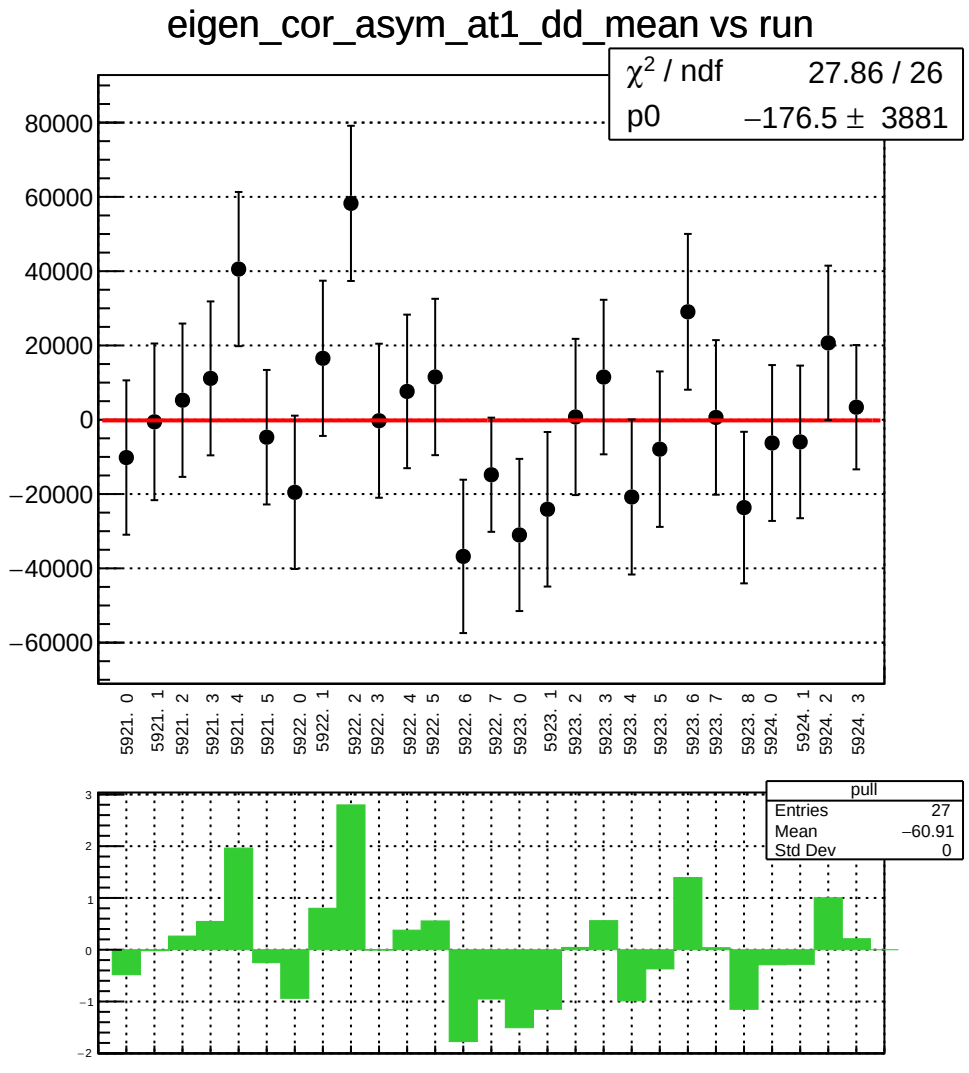

pull1D
Entries 27
Mean 0.01507
Std Dev 1.016
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

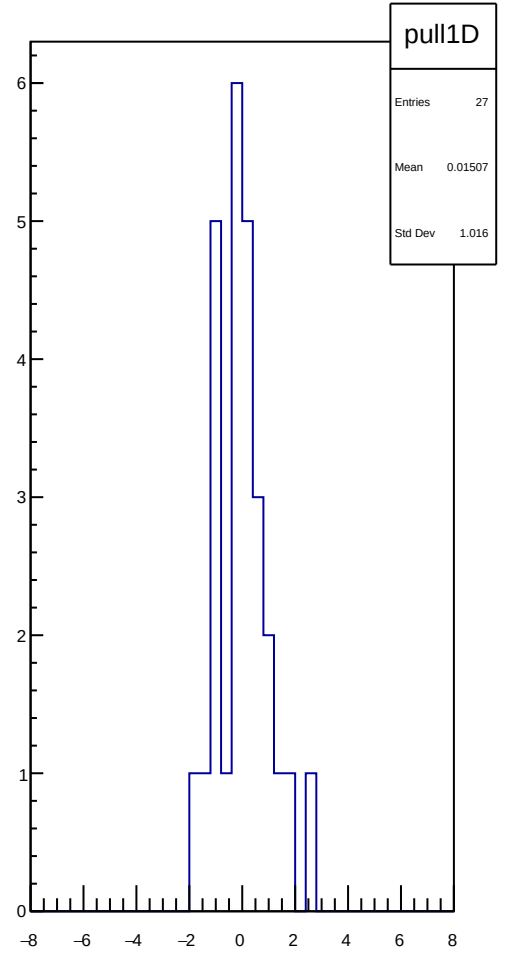

cor_asym_at1_dd_rms vs run
χ² / ndf 27.24 / 26
p0 1973 ± 2.744
2020
2000
1980
1960
1940
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

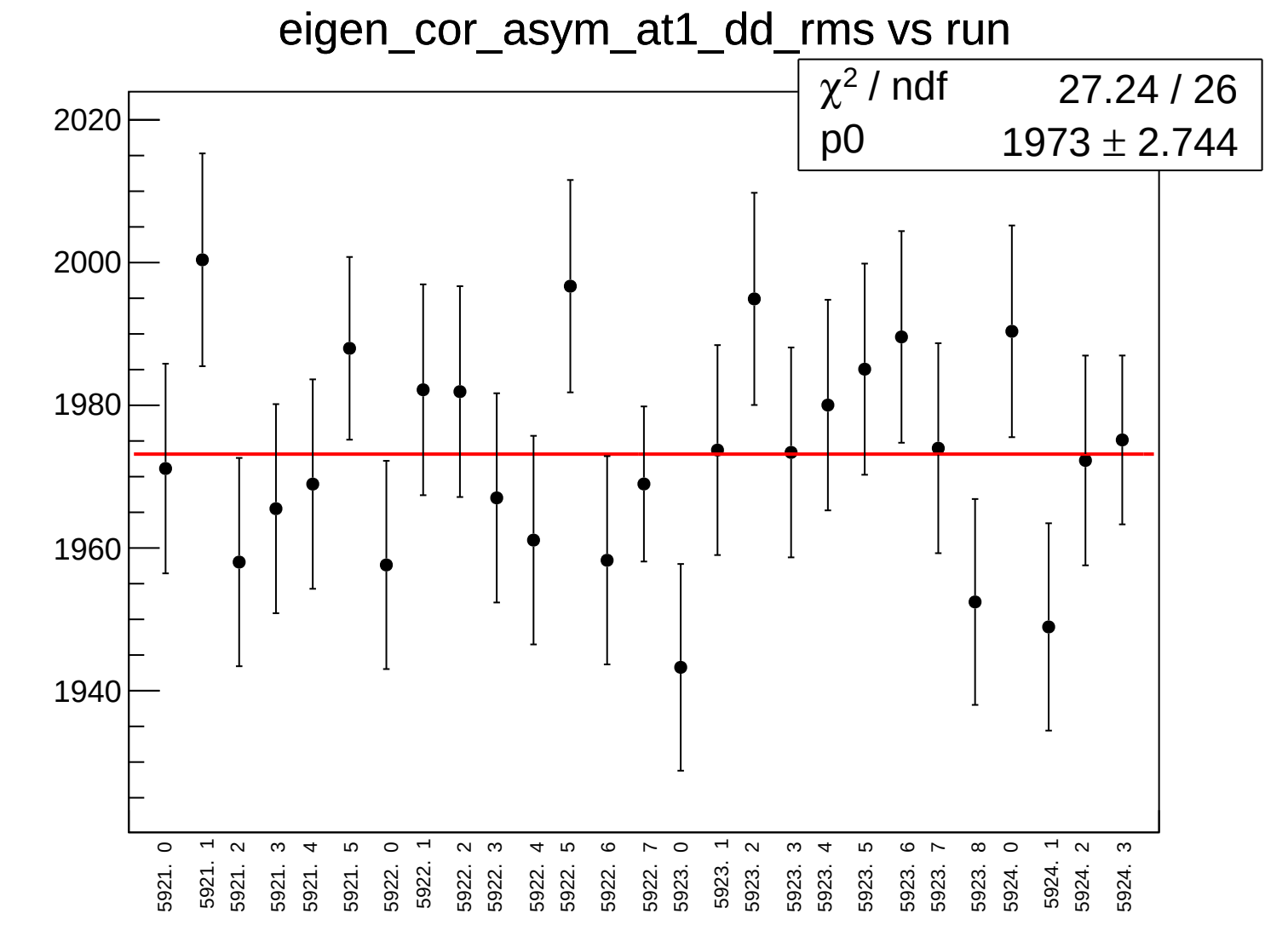

asym_at1_dd_cor_correction_mean vs run
χ² / ndf 24.16 / 26
p0 483.6 ± 1031
15000
10000
5000
0
−5000
−10000
−15000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 67.33
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

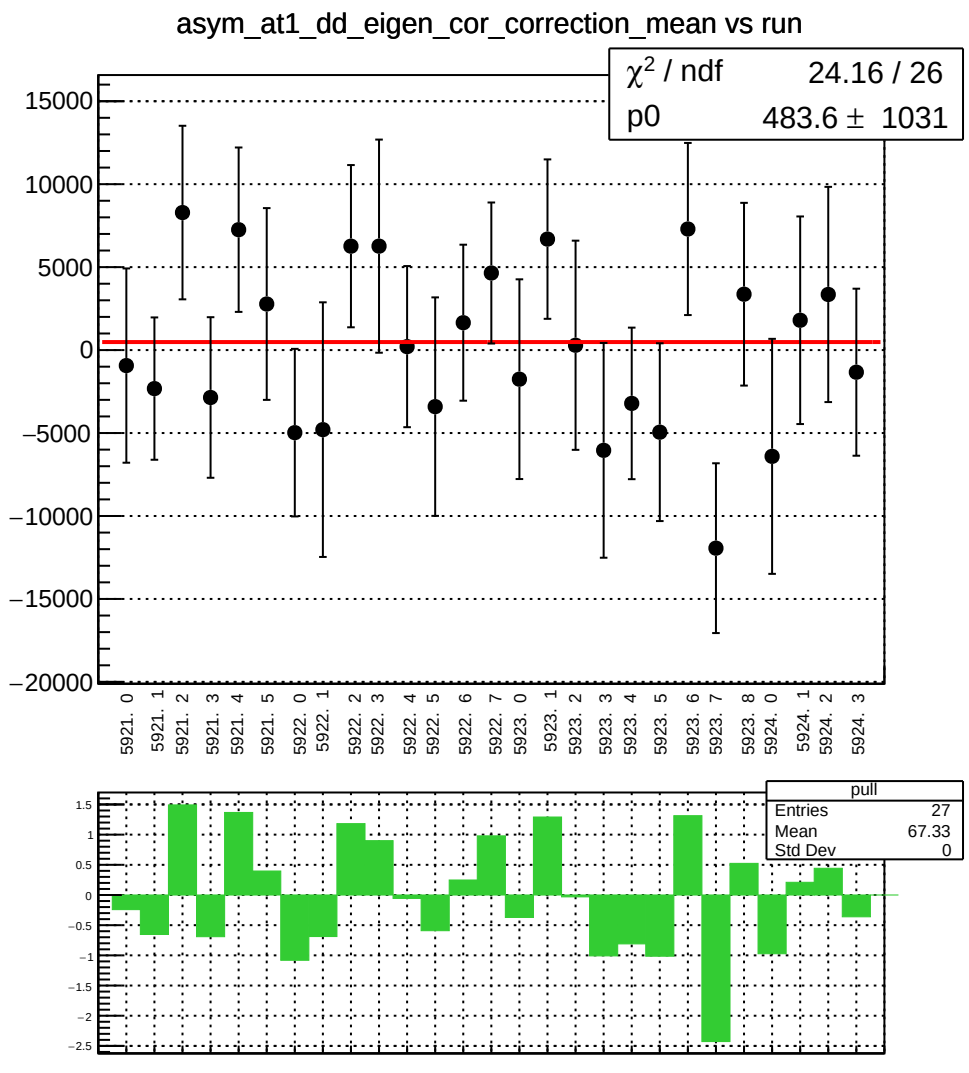

pull1D
Entries 27
Mean −0.02413
Std Dev 0.9456
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

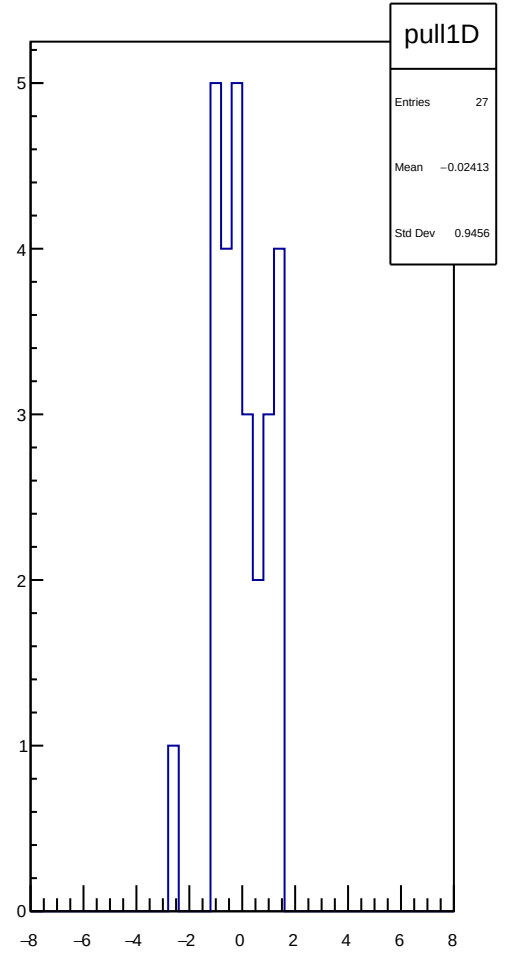

asym_at1_dd_cor_correction_rms vs run
χ² / ndf 1.06e+04 / 26
p0 518.6 ± 0.7287
750
700
650
600
550
500
450
400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

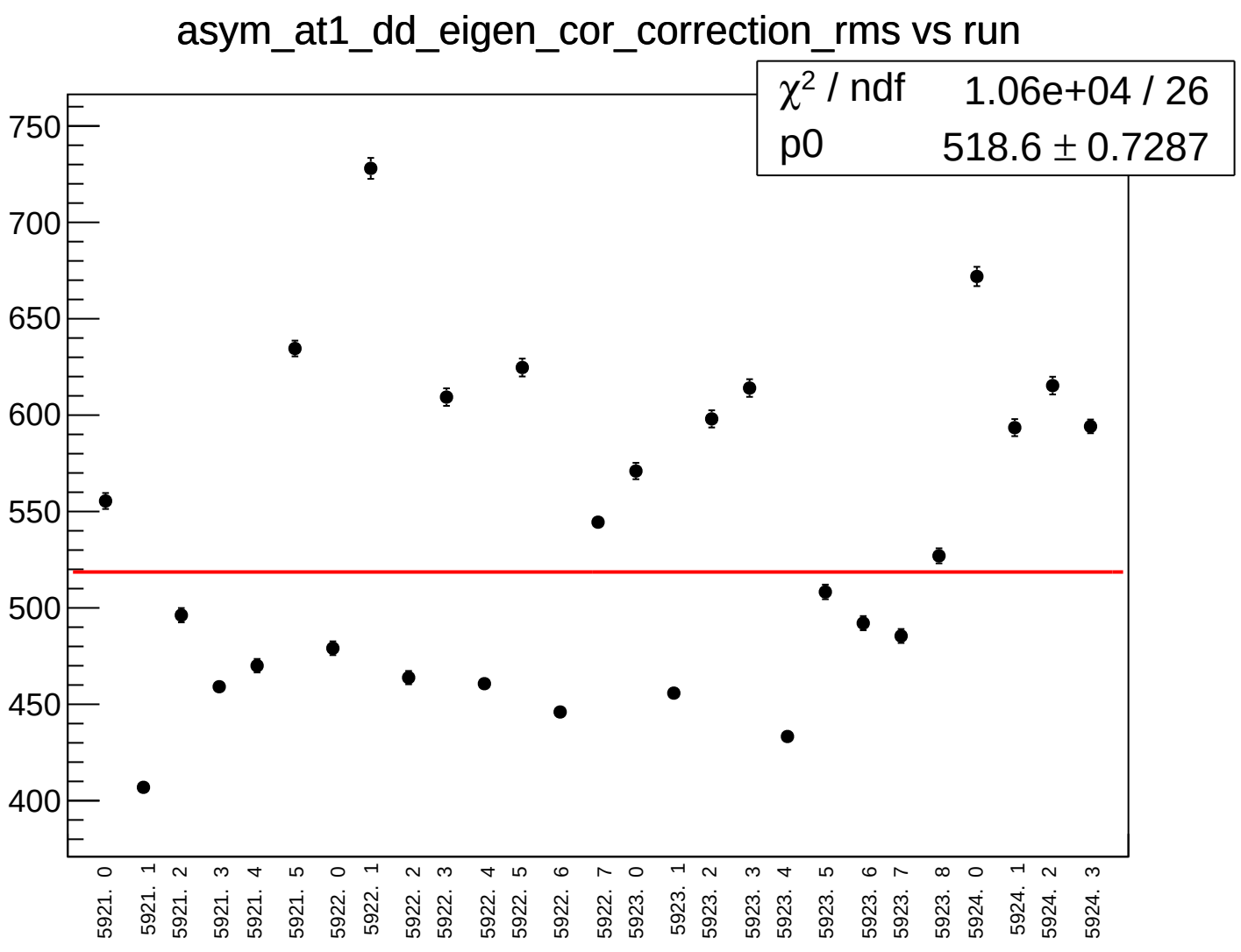

eigen_cor_asym_at1_dd_mean vs run
χ² / ndf 27.86 / 26
p0 −176.5 ± 3881
80000
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −60.91
Std Dev 0
3
2
1
0
−1
−2

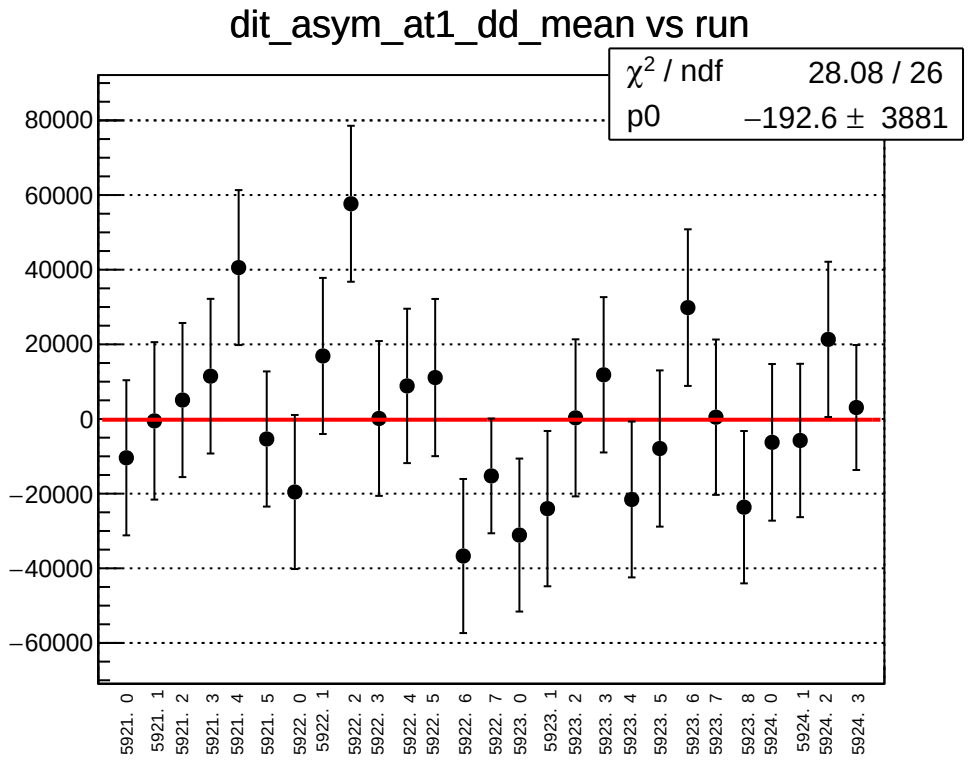

pull1D
Entries 27
Mean 0.01507
Std Dev 1.016
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

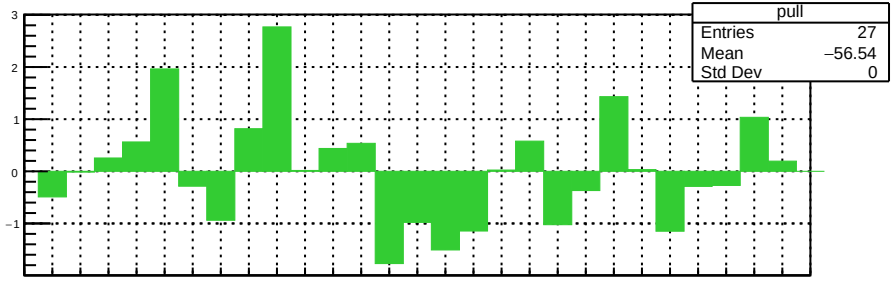

eigen_cor_asym_at1_dd_rms vs run
χ² / ndf 27.24 / 26
p0 1973 ± 2.744
2020
2000
1980
1960
1940
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

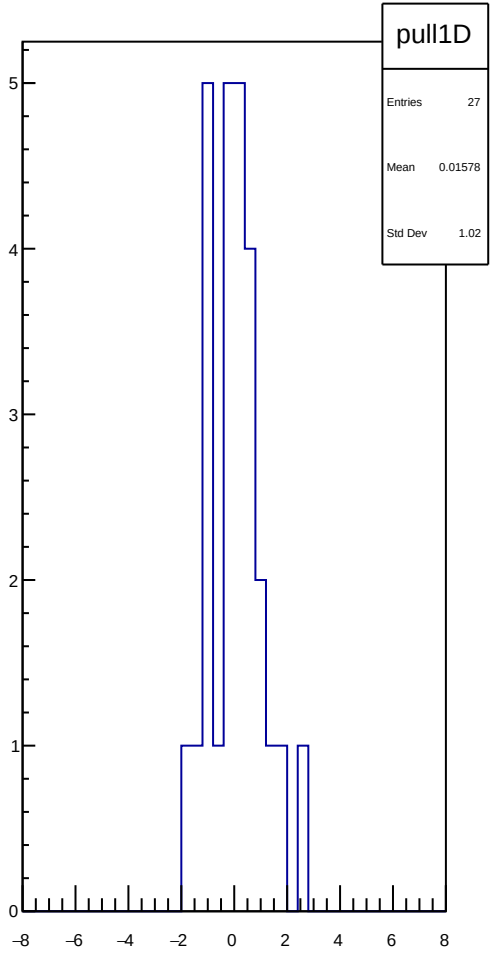

asym_at1_dd_eigen_cor_correction_mean vs run
χ² / ndf 24.16 / 26
p0 483.6 ± 1031
15000
10000
5000
0
−5000
−10000
−15000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 67.33
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

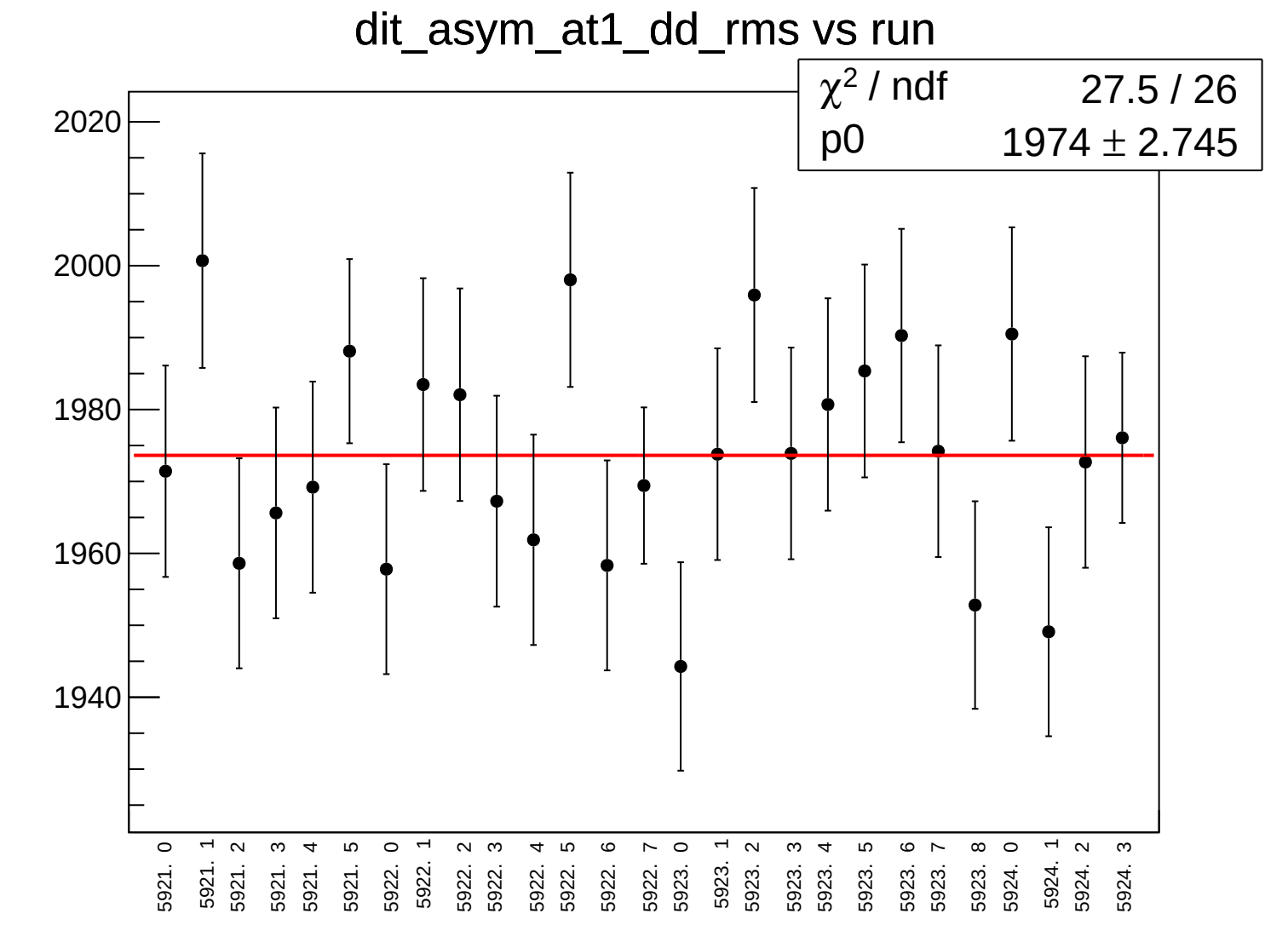

pull1D
Entries 27
Mean −0.02413
Std Dev 0.9456
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

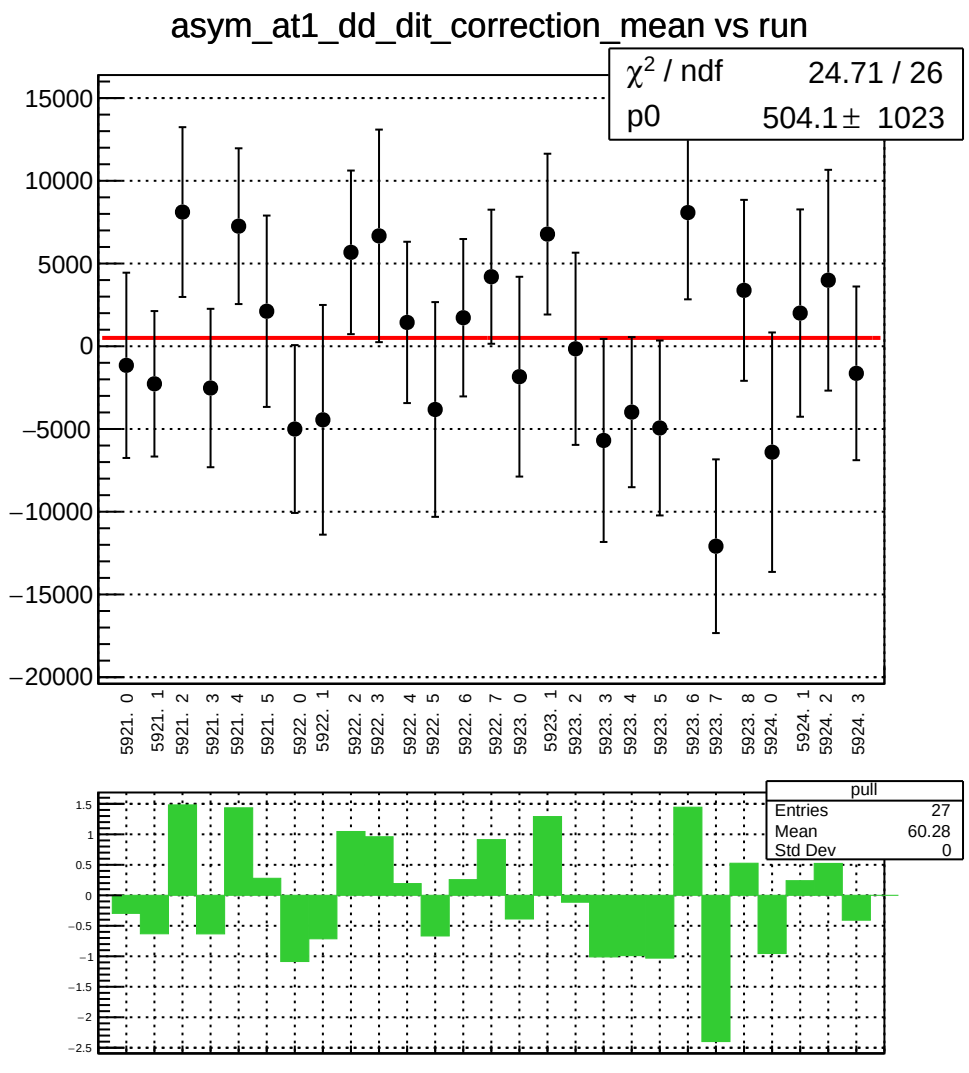

asym_at1_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.06e+04 / 26
p0 518.6 ± 0.7287
750
700
650
600
550
500
450
400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

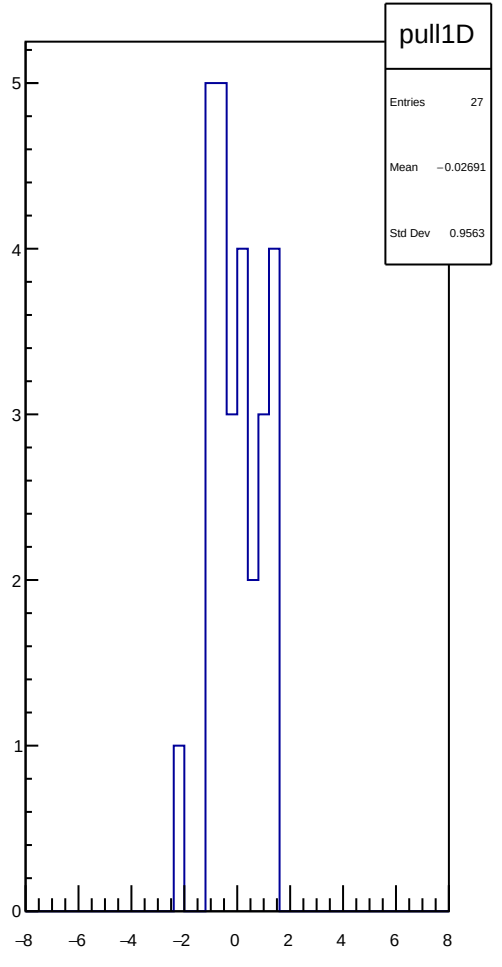

dit_asym_at1_dd_mean vs run
χ² / ndf 28.08 / 26
p0 −192.6 ± 3881
80000
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

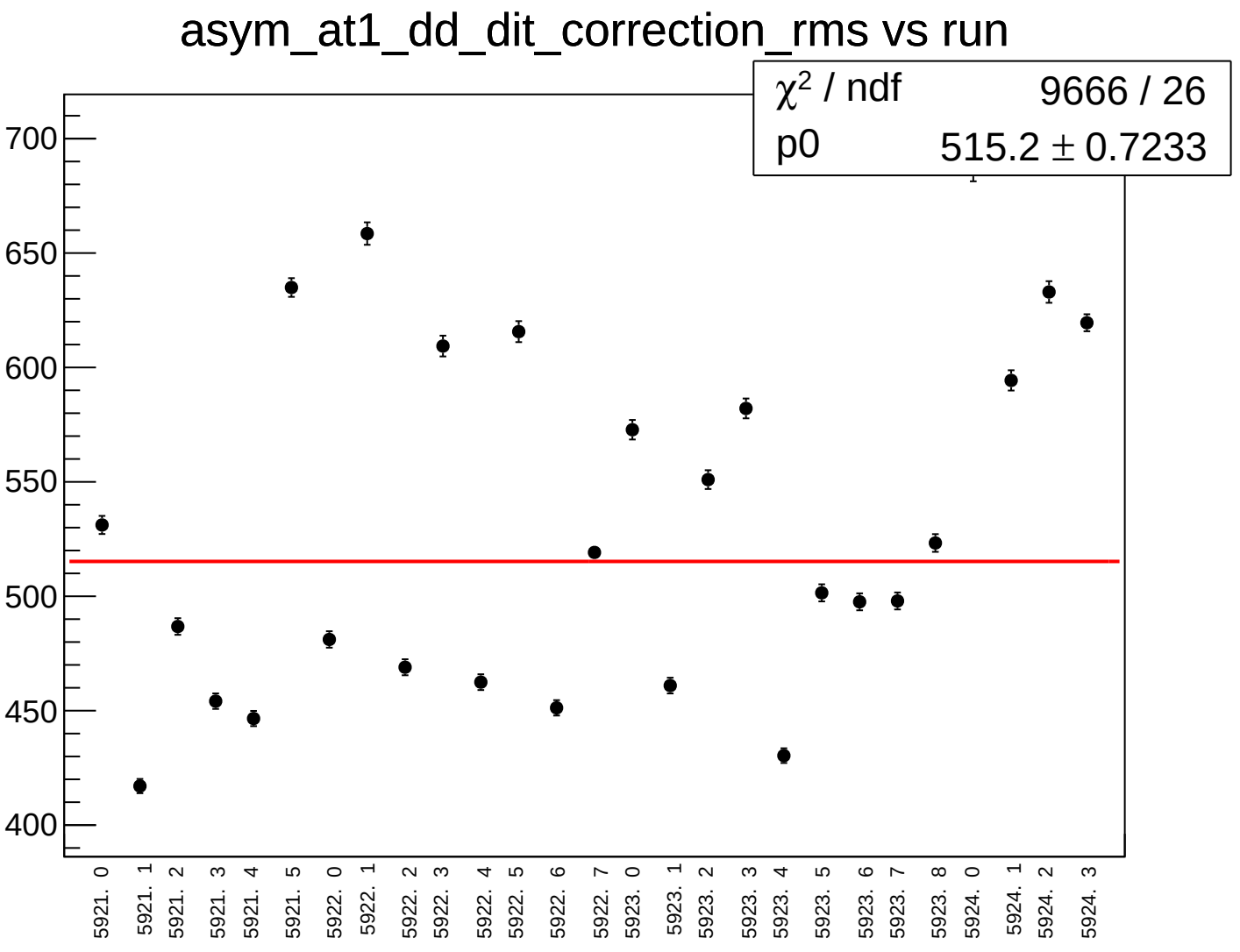

pull
Entries 27
Mean −56.54
Std Dev 0
3
2
1
0
−1

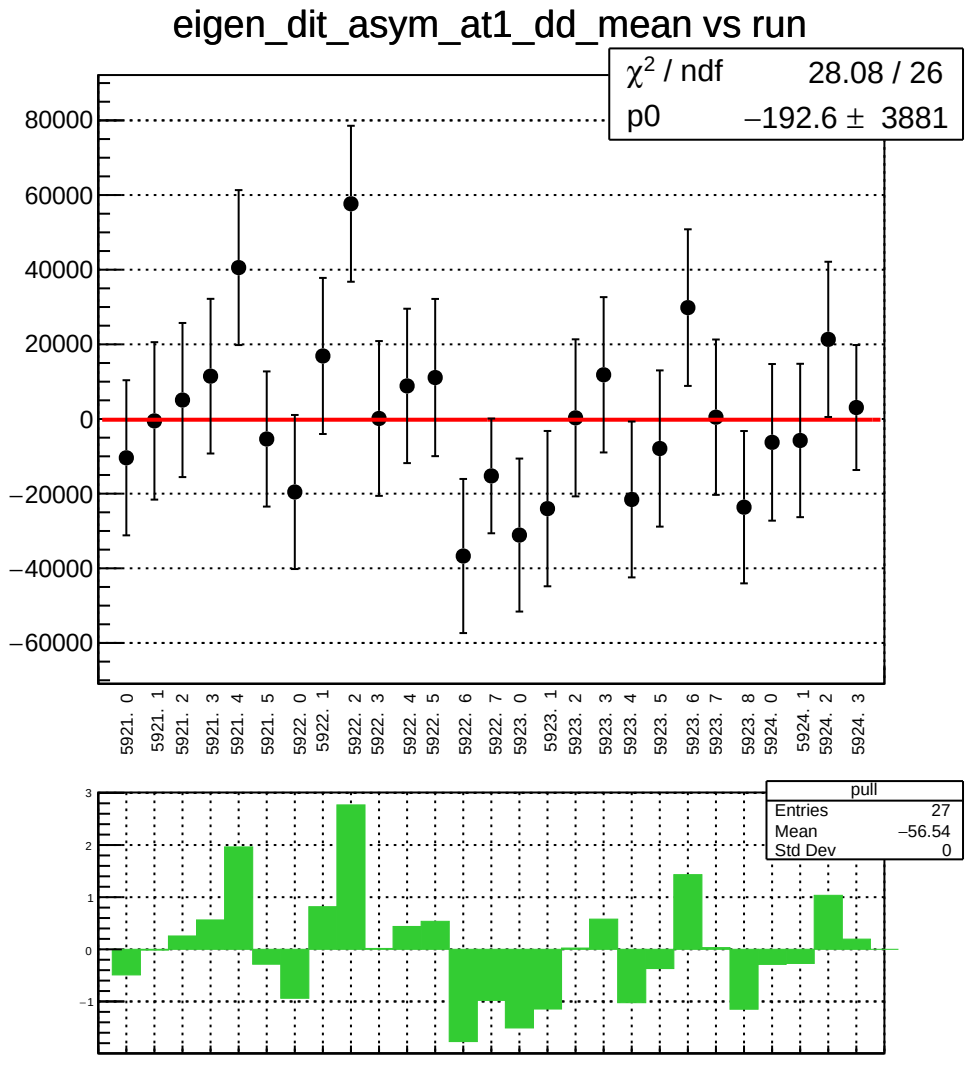

pull1D
Entries 27
Mean 0.01578
Std Dev 1.02
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

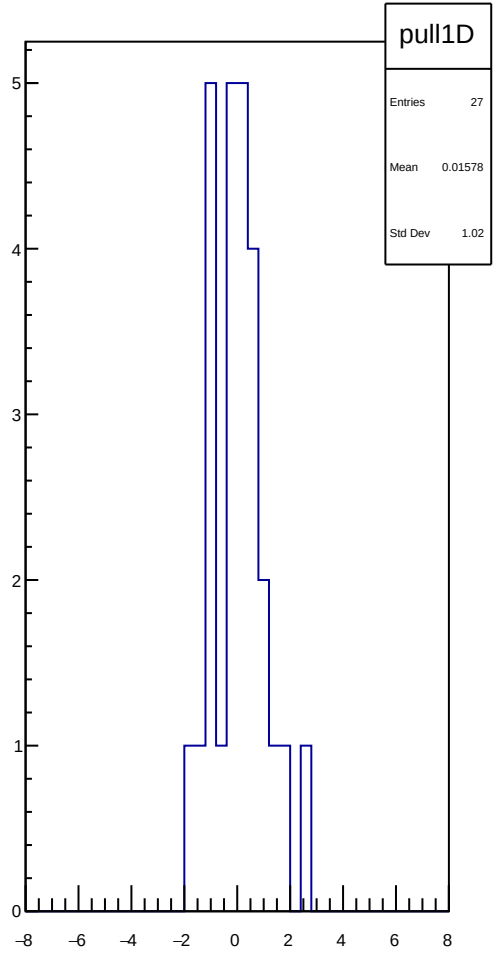

dit_asym_at1_dd_rms vs run
χ² / ndf 27.5 / 26
p0 1974 ± 2.745
2020
2000
1980
1960
1940
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

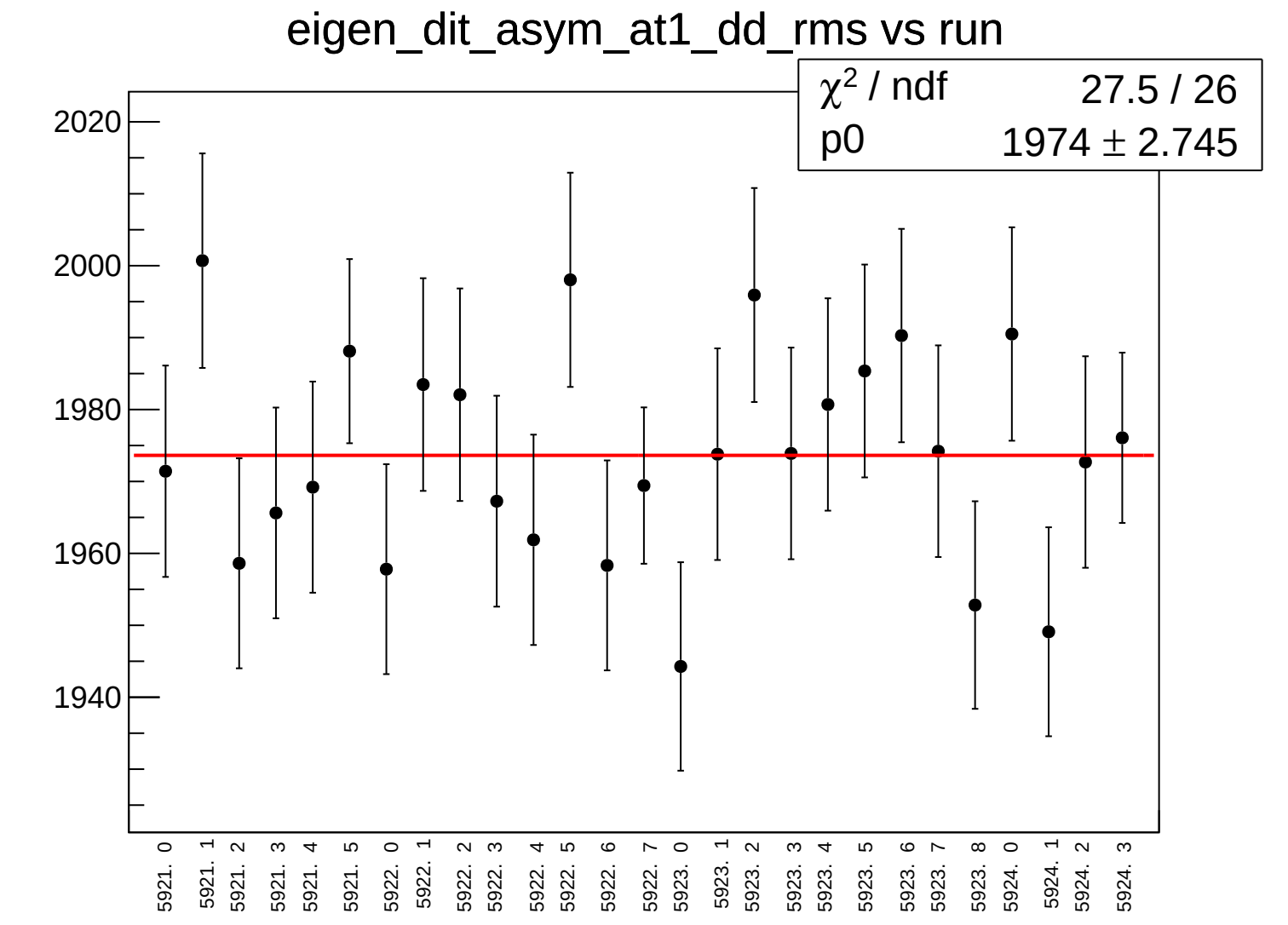

asym_at1_dd_dit_correction_mean vs run
χ² / ndf 24.71 / 26
p0 504.1± 1023
15000
10000
5000
0
−5000
−10000
−15000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 60.28
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

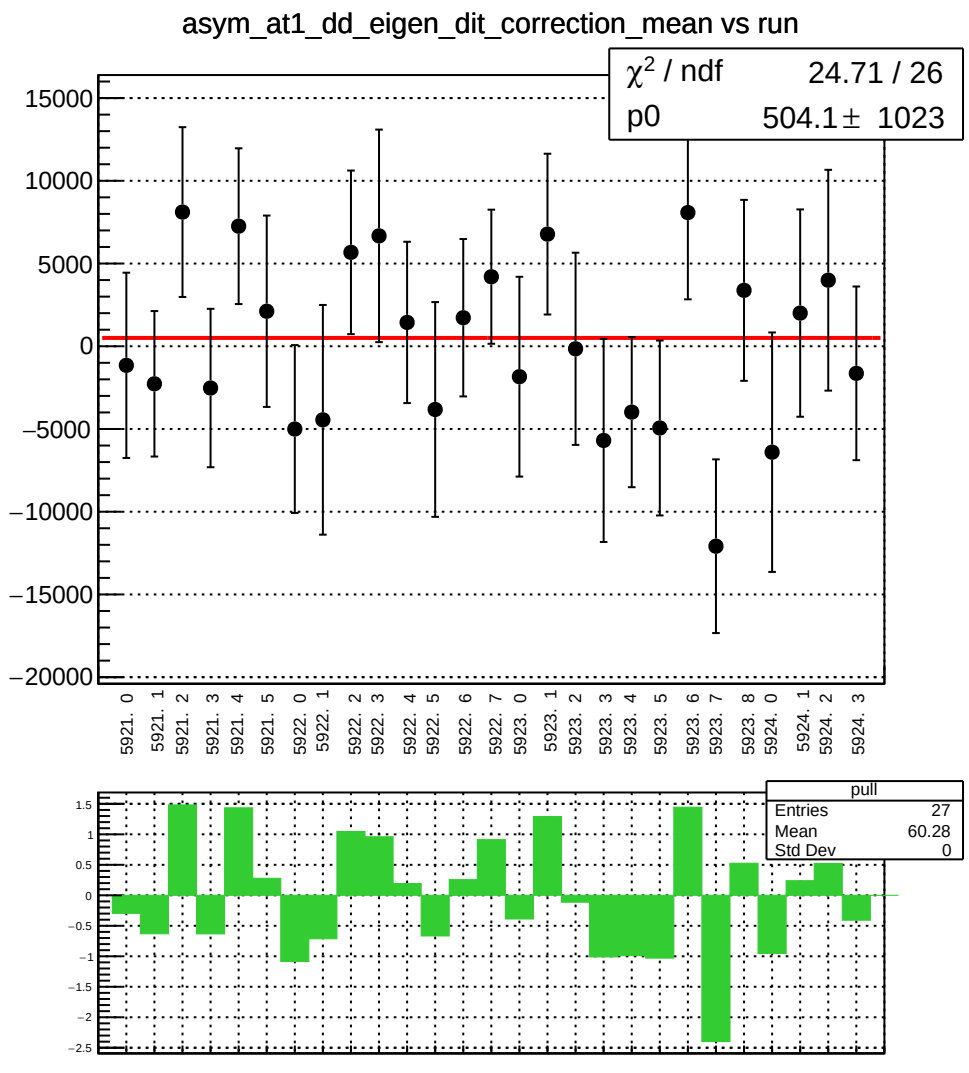

pull1D
Entries 27
Mean −0.02691
Std Dev 0.9563
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

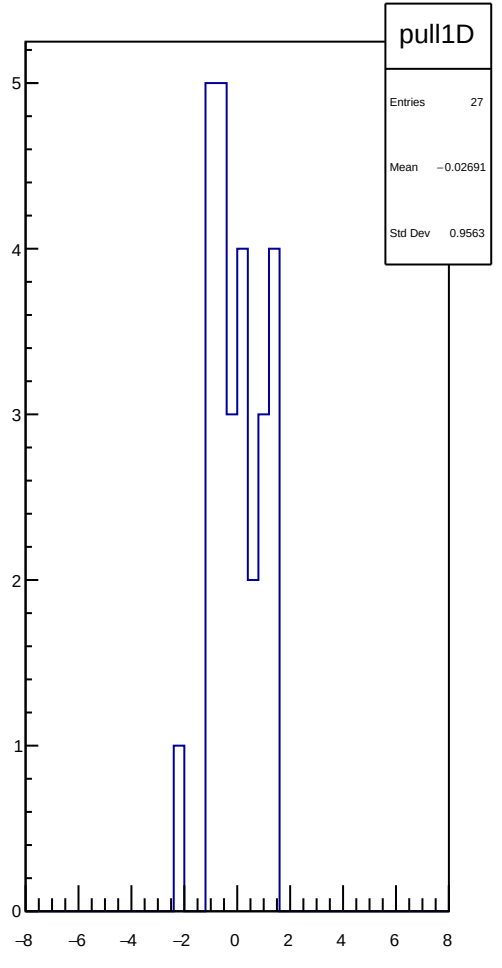

asym_at1_dd_dit_correction_rms vs run
χ² / ndf 9666 / 26
p0 515.2 ± 0.7233
700
650
600
550
500
450
400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

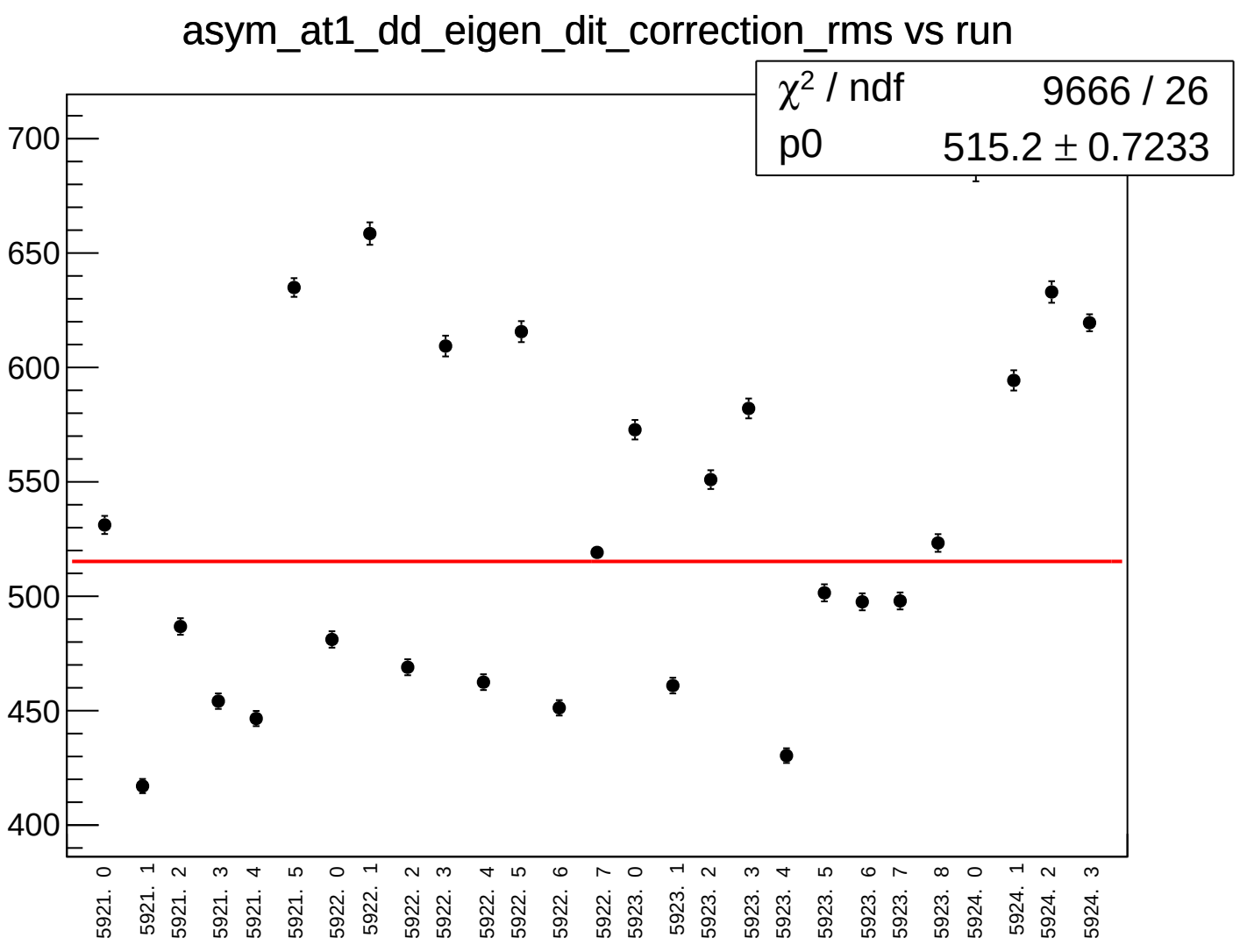

eigen_dit_asym_at1_dd_mean vs run
χ² / ndf 28.08 / 26
p0 −192.6 ± 3881
80000
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −56.54
Std Dev 0
3
2
1
0
−1

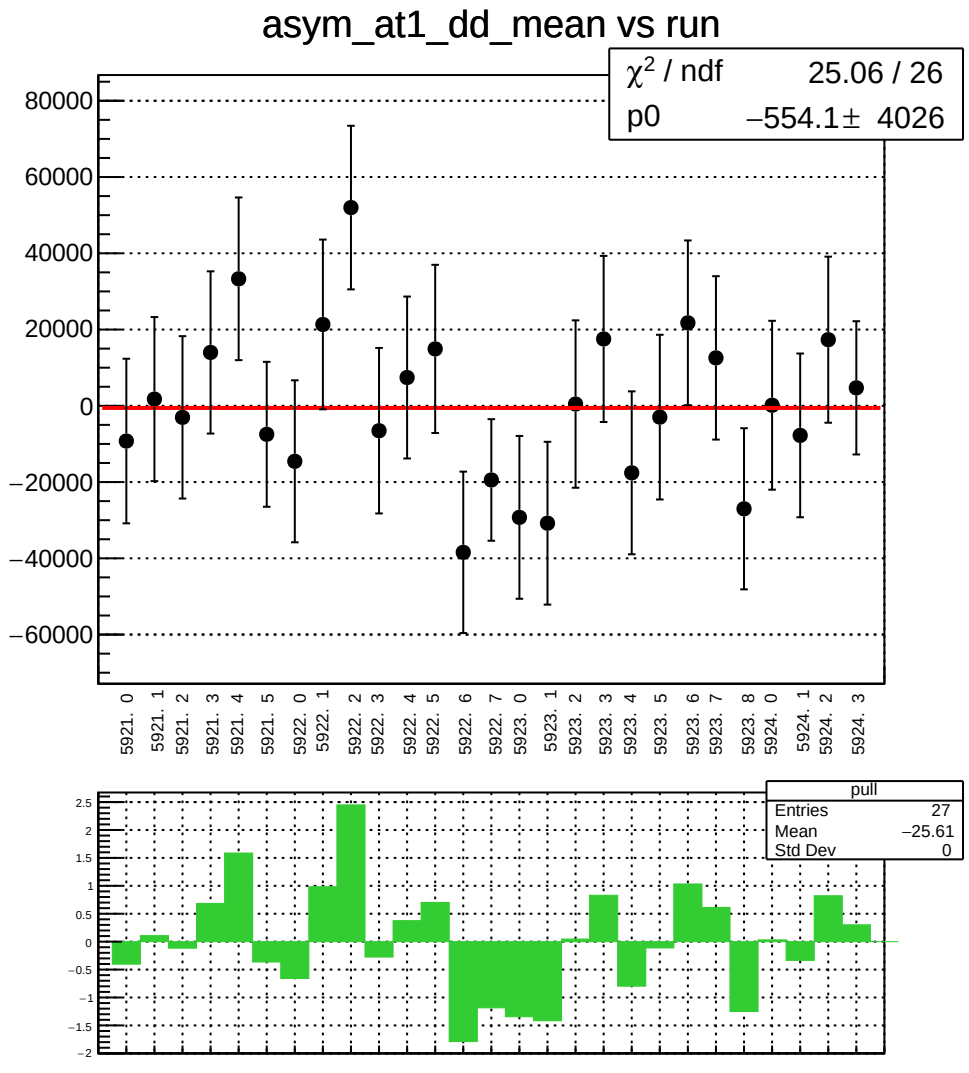

pull1D
Entries 27
Mean 0.01578
Std Dev 1.02
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

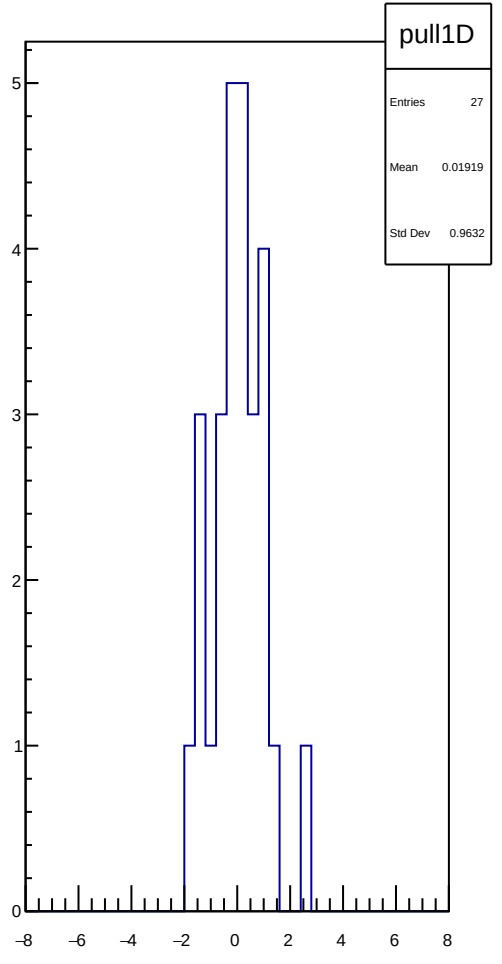

eigen_dit_asym_at1_dd_rms vs run
χ² / ndf 27.5 / 26
p0 1974 ± 2.745
2020
2000
1980
1960
1940
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

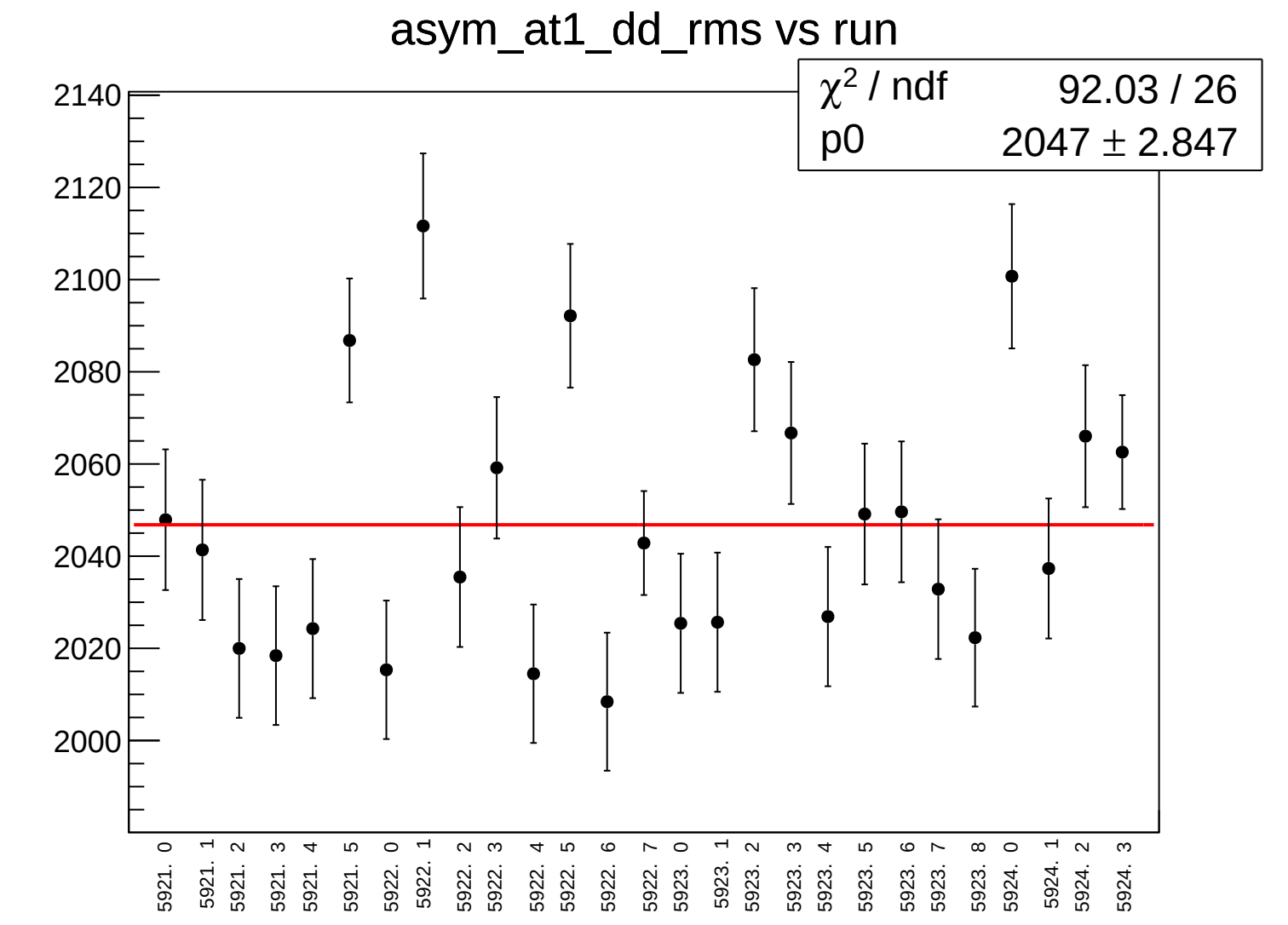

asym_at1_dd_eigen_dit_correction_mean vs run
χ² / ndf 24.71 / 26
p0 504.1 ± 1023
15000
10000
5000
0
−5000
−10000
−15000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 60.28
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

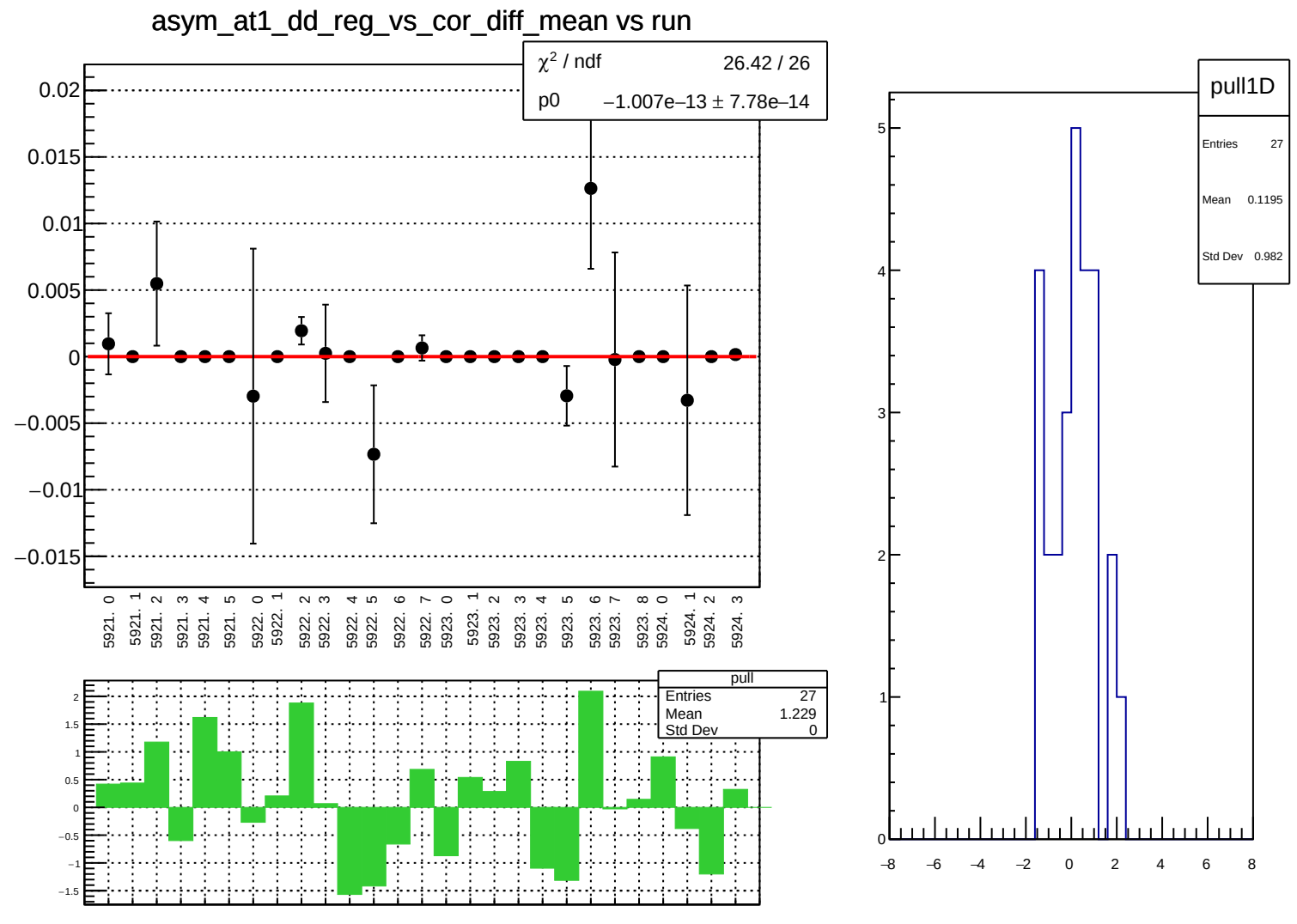

pull1D
Entries 27
Mean −0.02691
Std Dev 0.9563
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

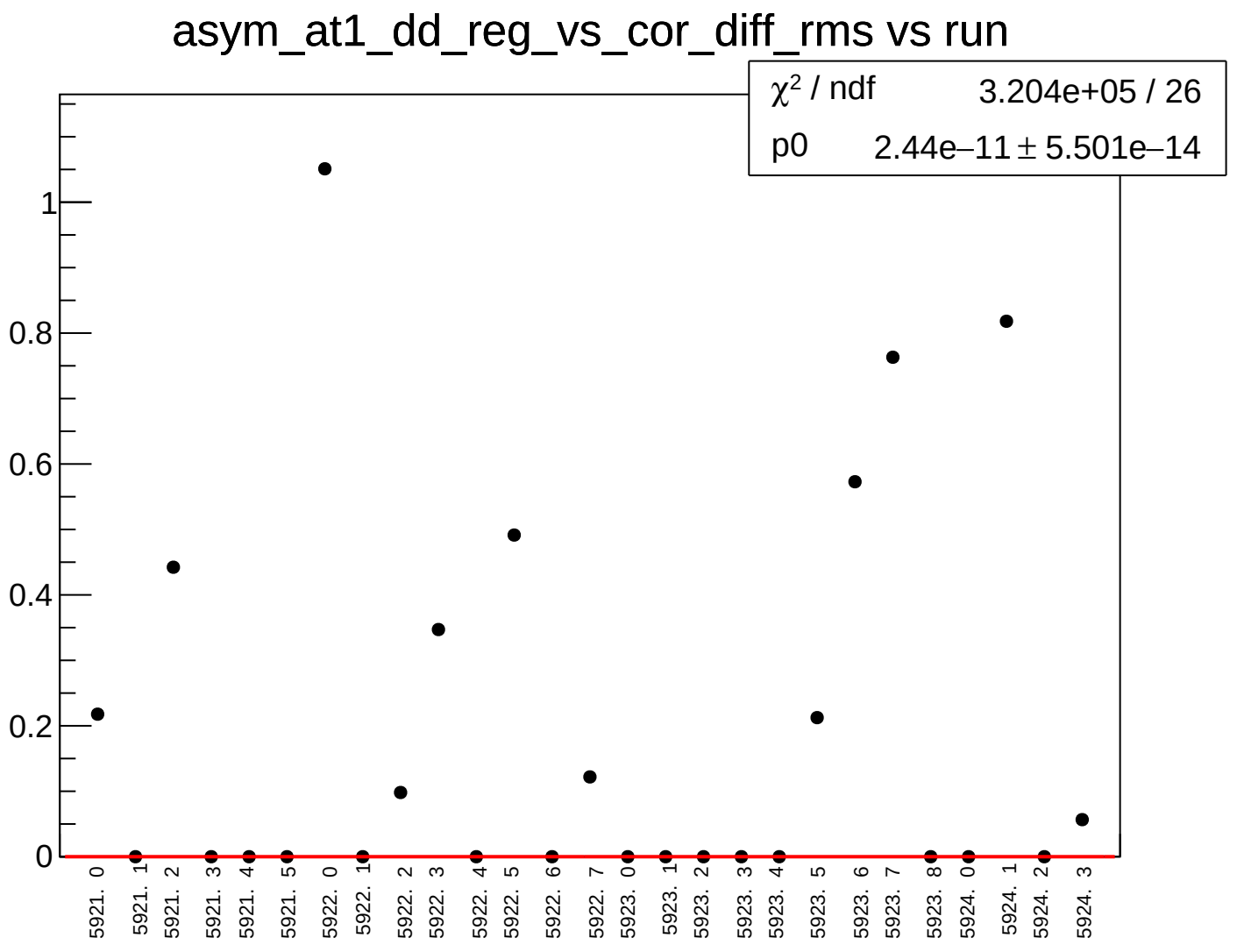

asym_at1_dd_eigen_dit_correction_rms vs run
χ² / ndf 9666 / 26
p0 515.2 ± 0.7233
700
650
600
550
500
450
400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

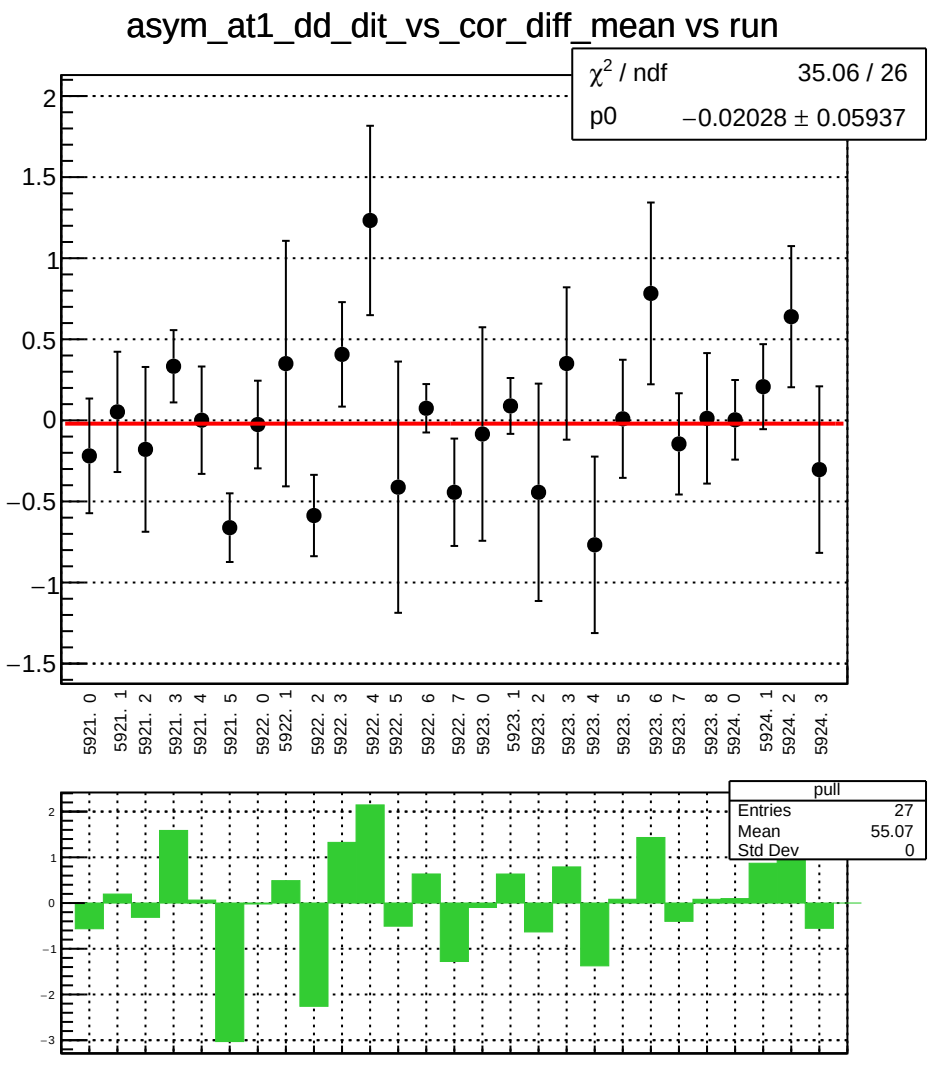

asym_at1_dd_mean vs run
χ² / ndf 25.06 / 26
p0 −554.1± 4026
80000
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −25.61
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

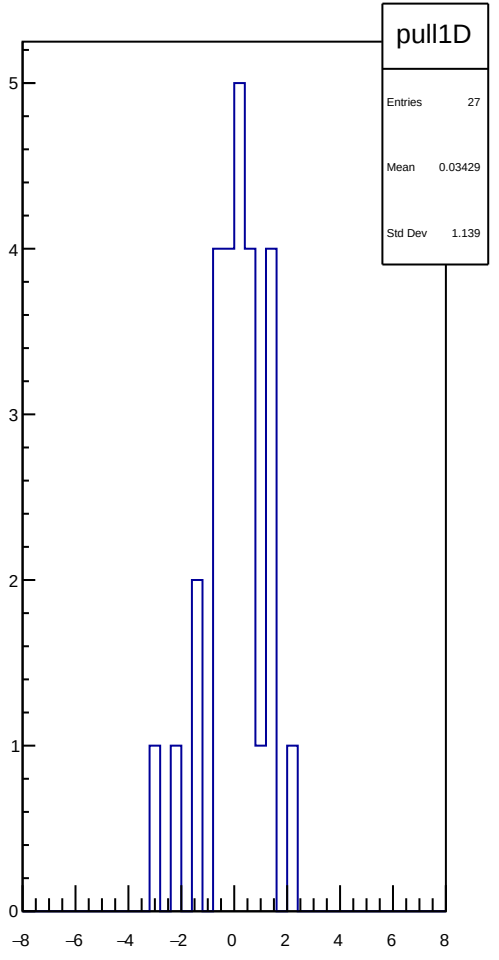

pull1D
Entries 27
Mean 0.01919
Std Dev 0.9632
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

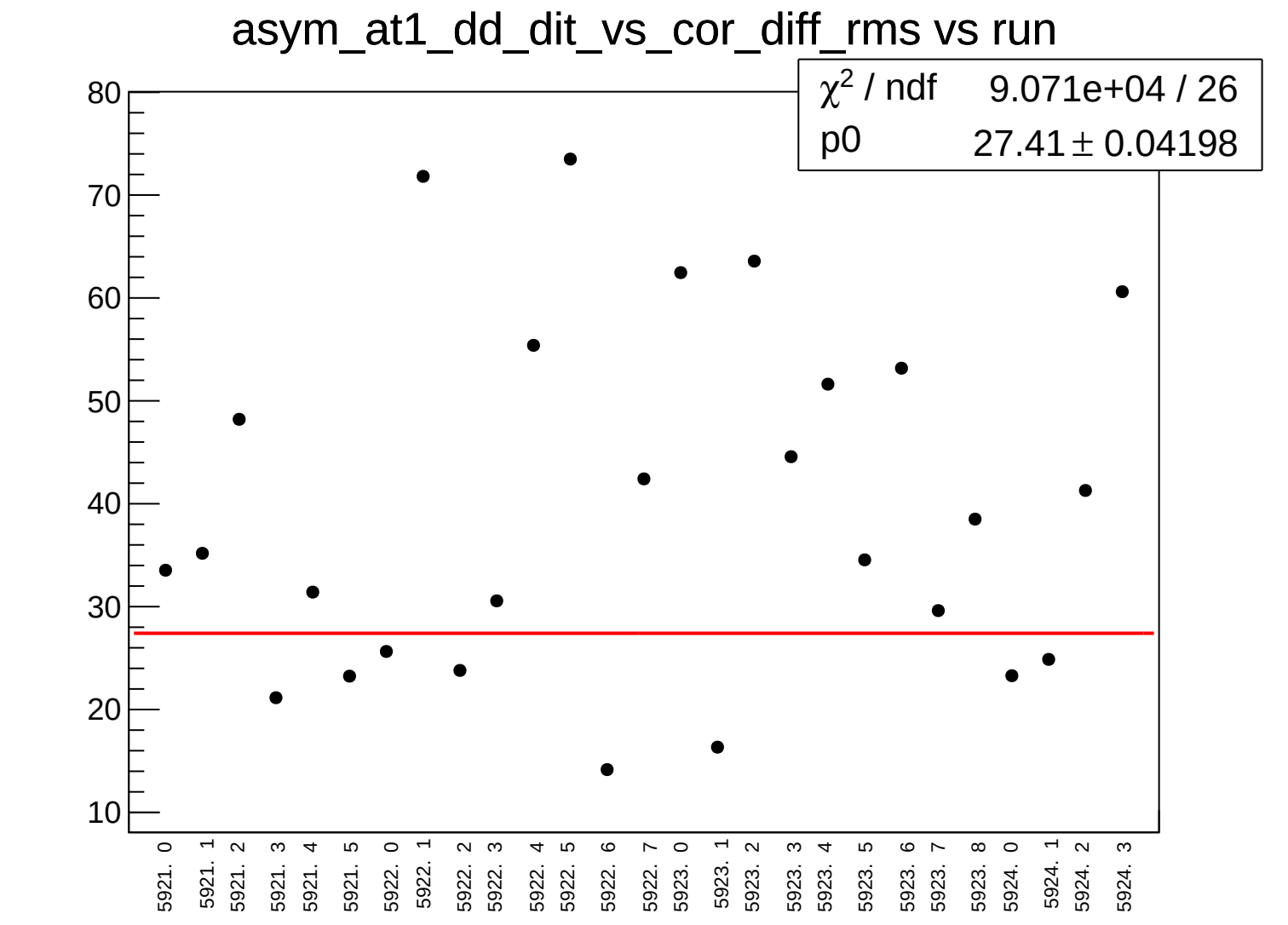

asym_at1_dd_rms vs run
χ² / ndf 92.03 / 26
p0 2047 ± 2.847
2140
2120
2100
2080
2060
2040
2020
2000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

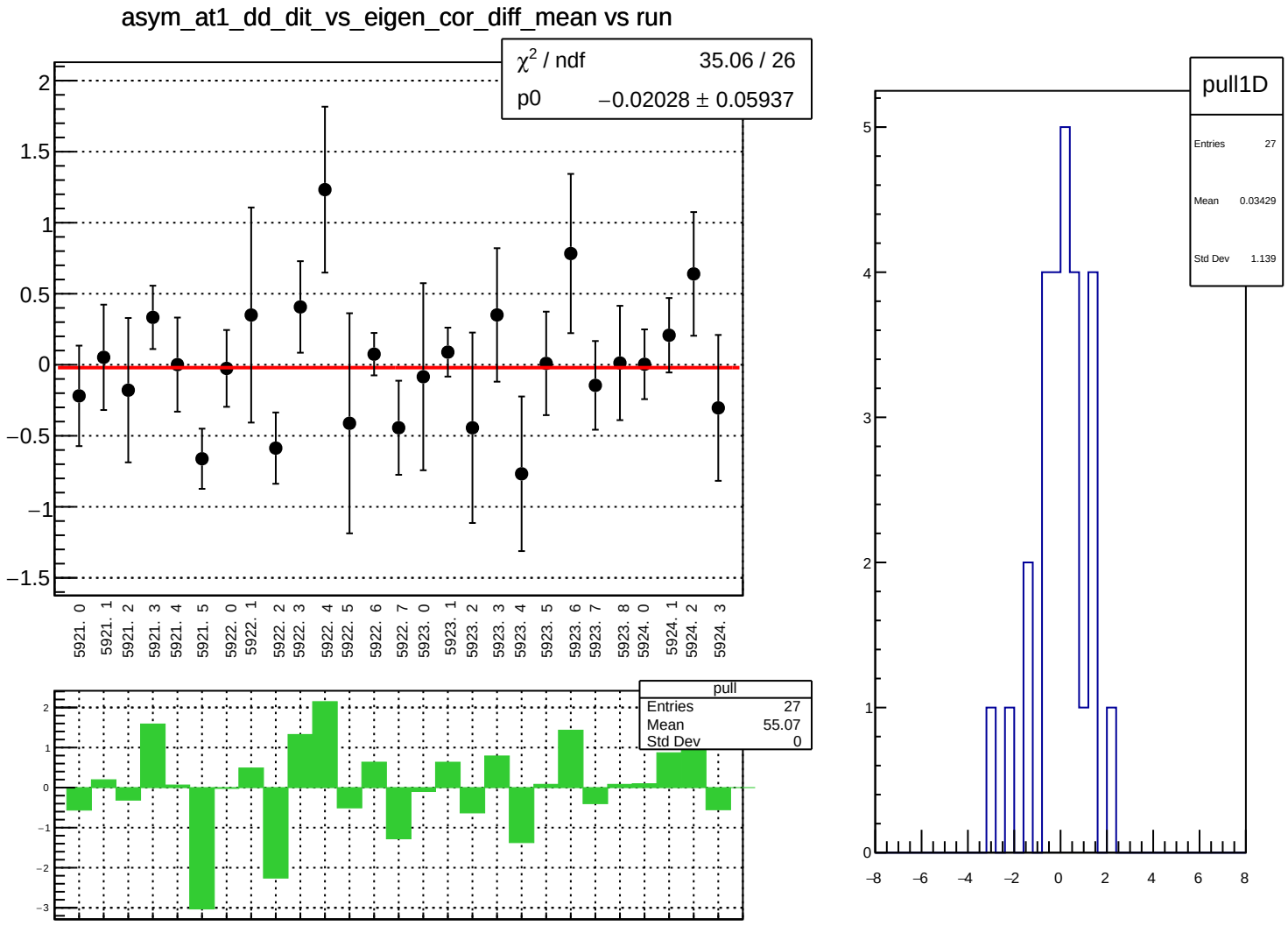

asym_at1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 26.42 / 26
p0 −1.007e−13 ± 7.78e−14
0.02
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 1.229
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.1195
Std Dev 0.982
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

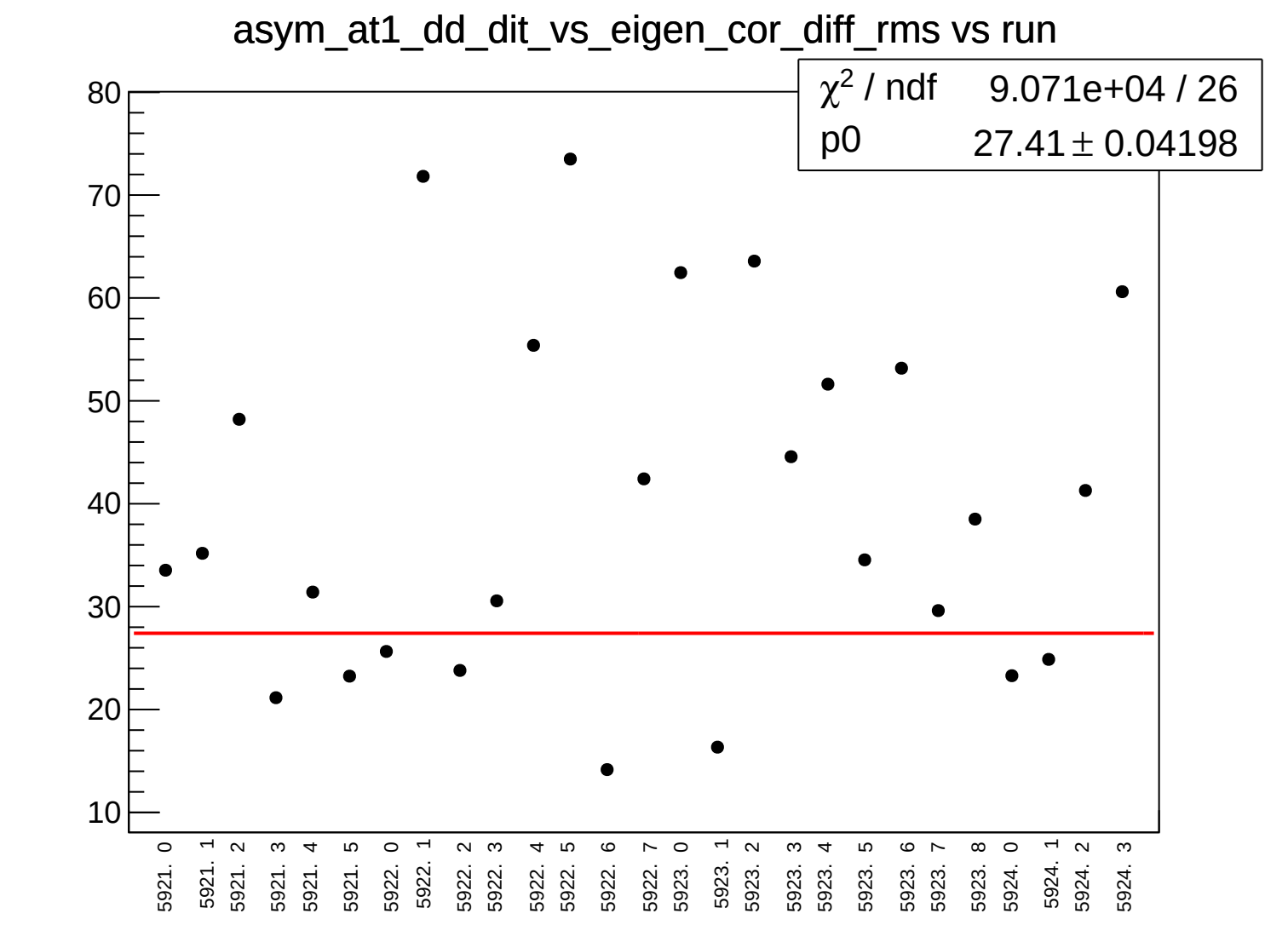

asym_at1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.204e+05 / 26
p0 2.44e−11 ± 5.501e−14
0
0.2
0.4
0.6
0.8
1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

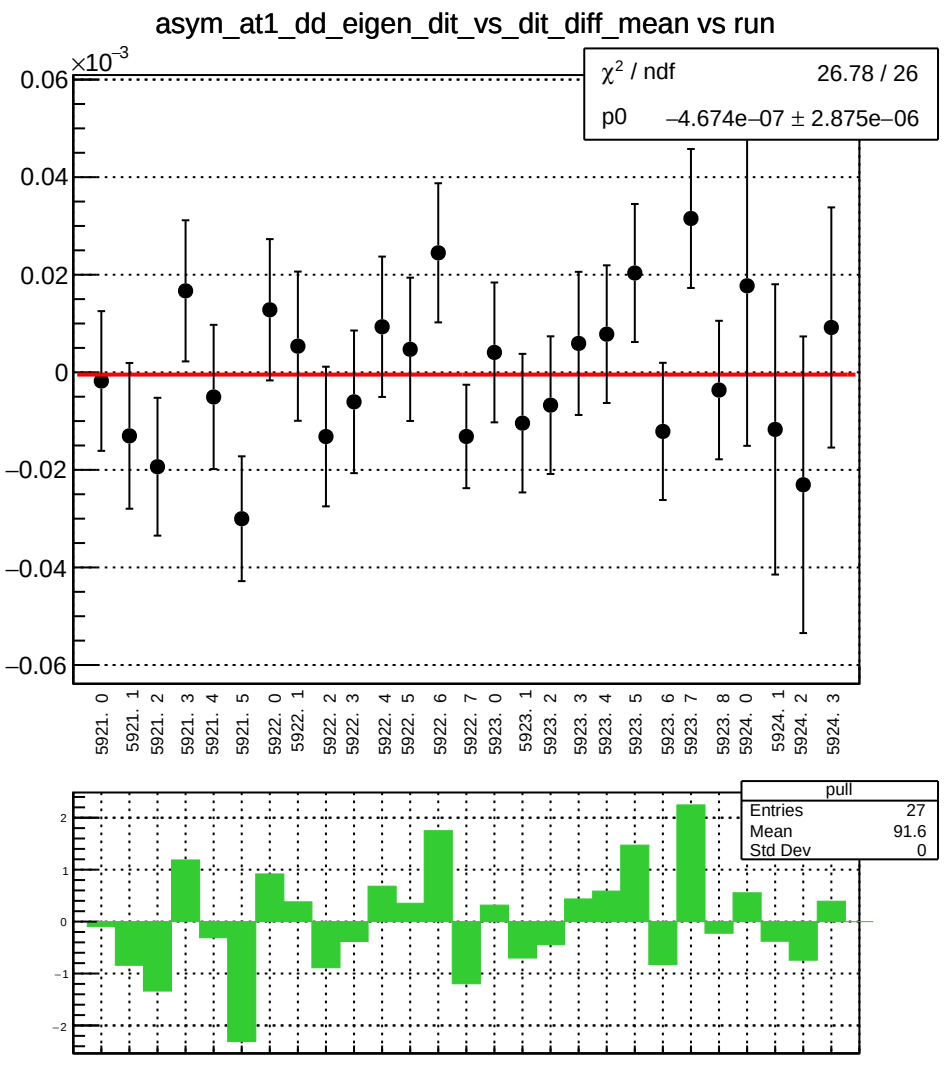

asym_at1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 35.06 / 26
p0 −0.02028 ± 0.05937
2
1.5
1
0.5
0
−0.5
−1
−1.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 55.07
Std Dev 0
2
1
0
−1
−2
−3

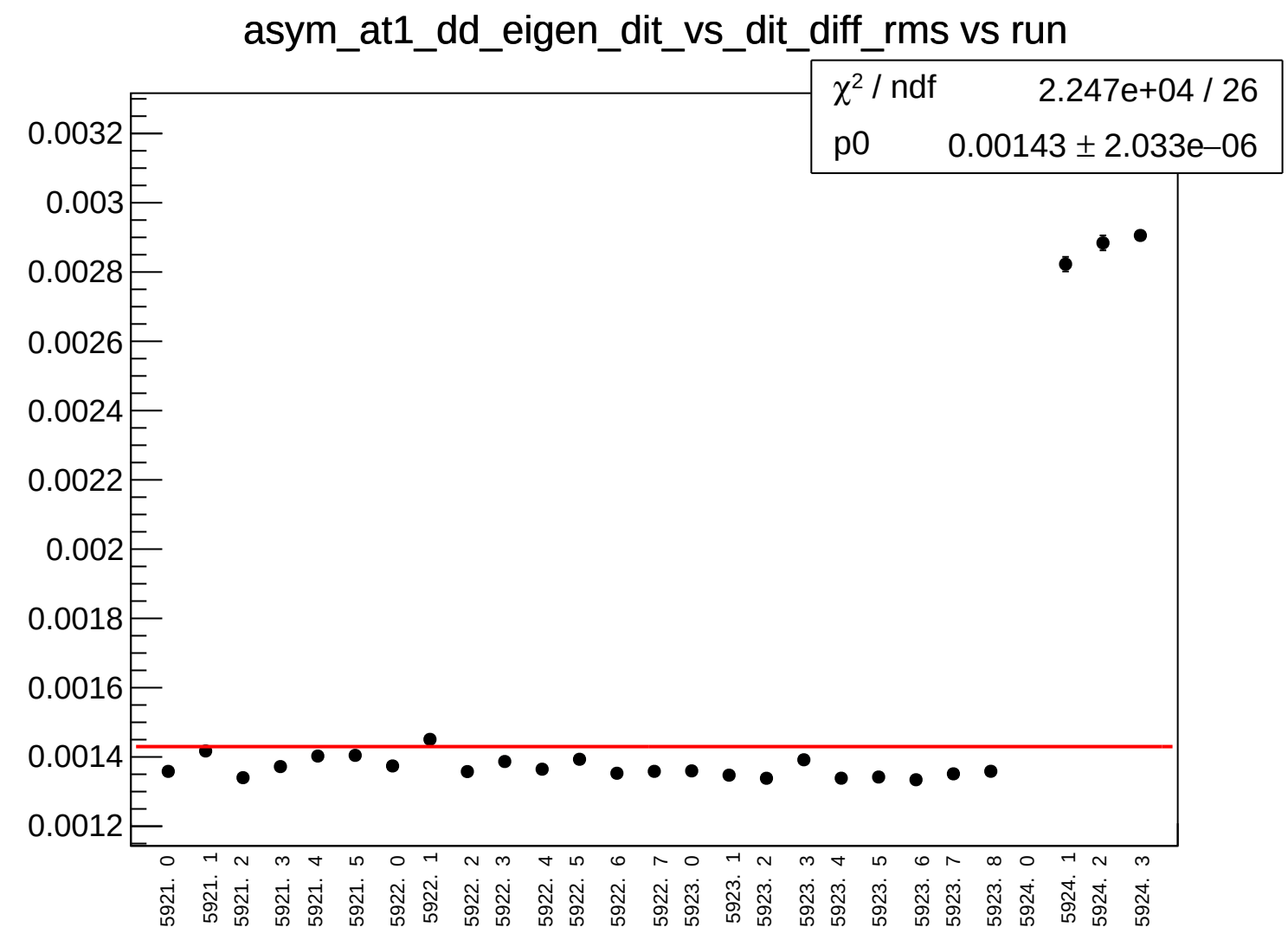

pull1D
Entries 27
Mean 0.03429
Std Dev 1.139
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

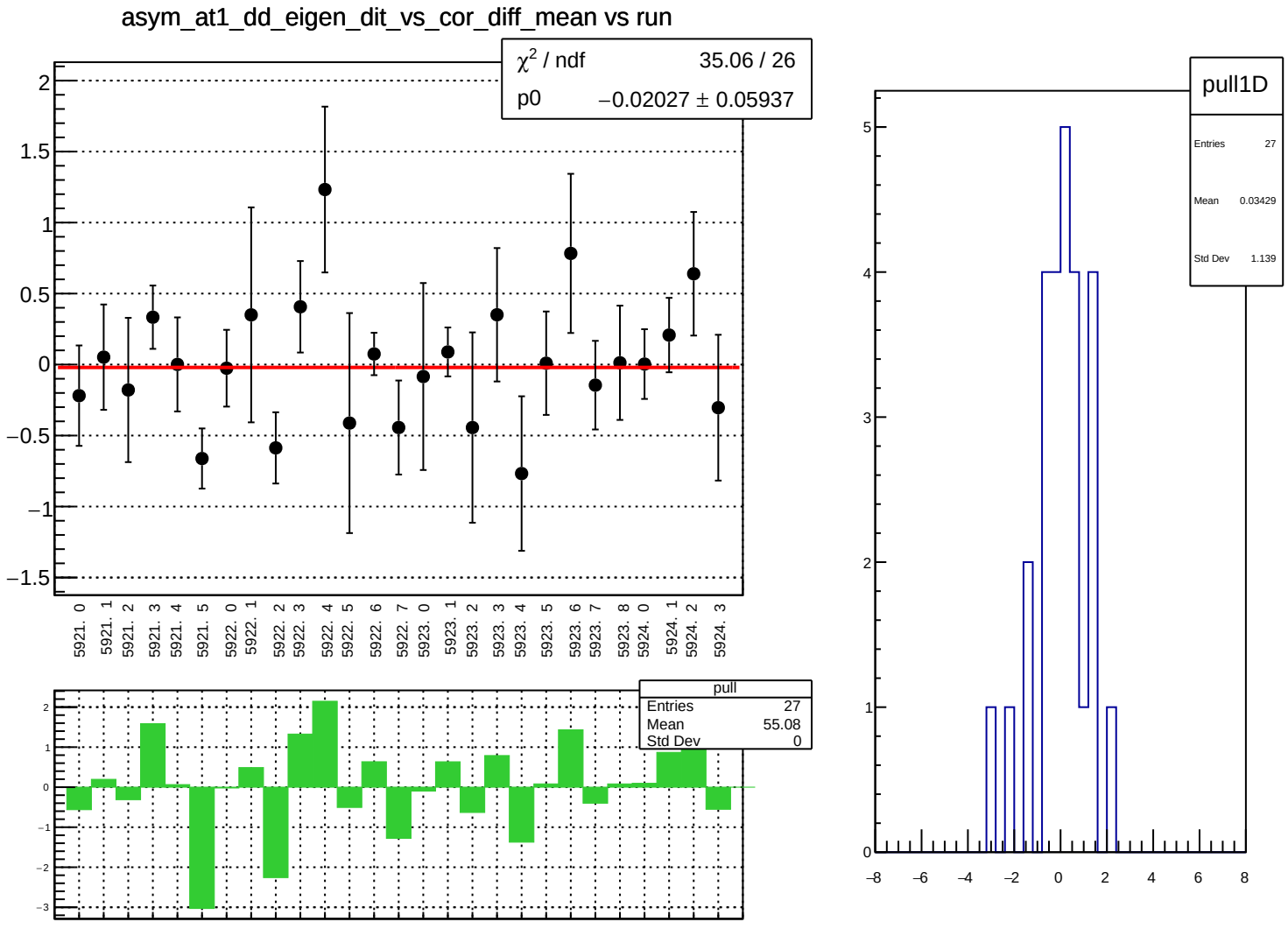

asym_at1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 9.071e+04 / 26
p0 27.41 ± 0.04198
80
70
60
50
40
30
20
10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

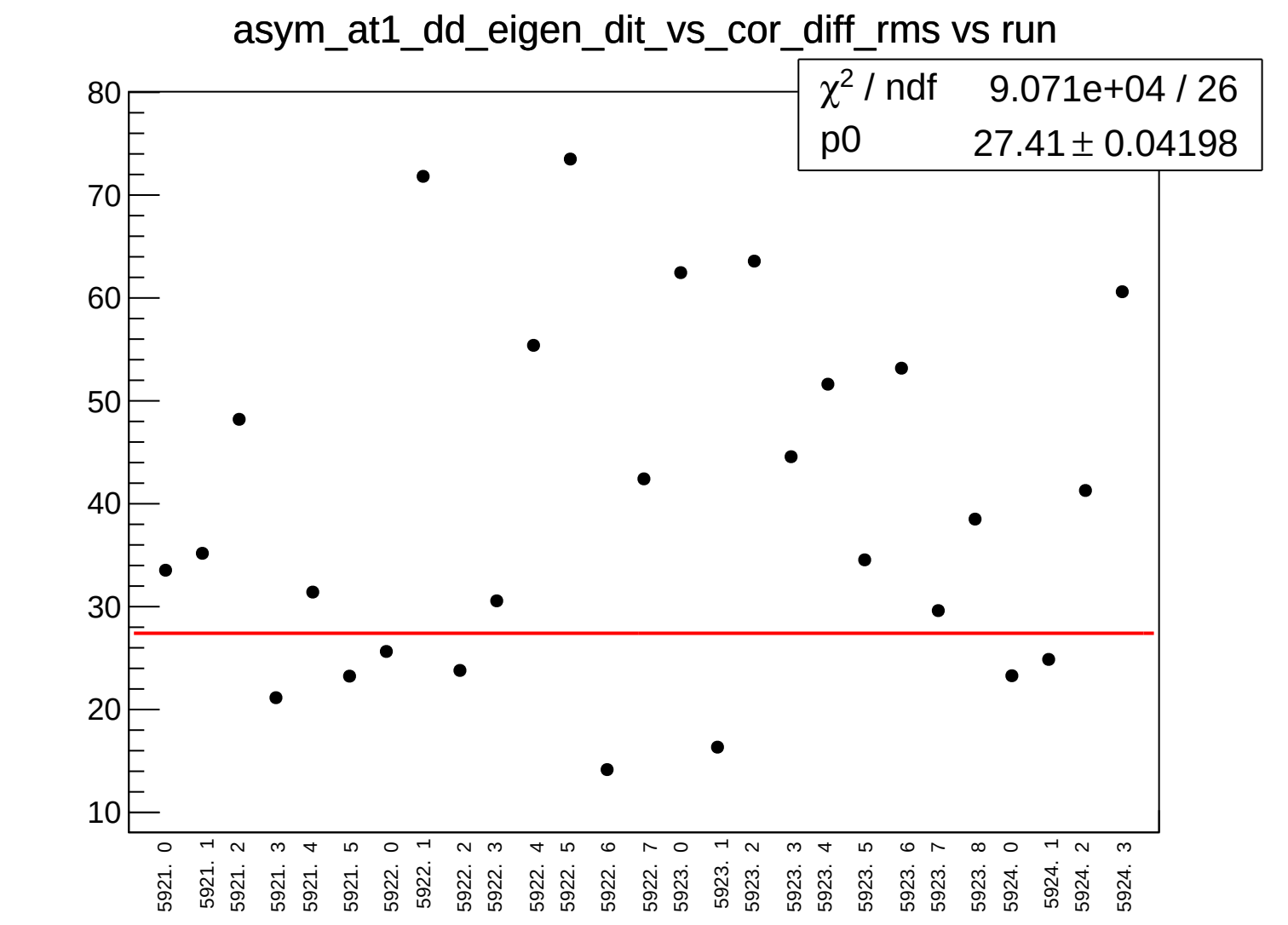

asym_at1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 35.06 / 26
p0 −0.02028 ± 0.05937
2
1.5
1
0.5
0
−0.5
−1
−1.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 55.07
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 27
Mean 0.03429
Std Dev 1.139
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

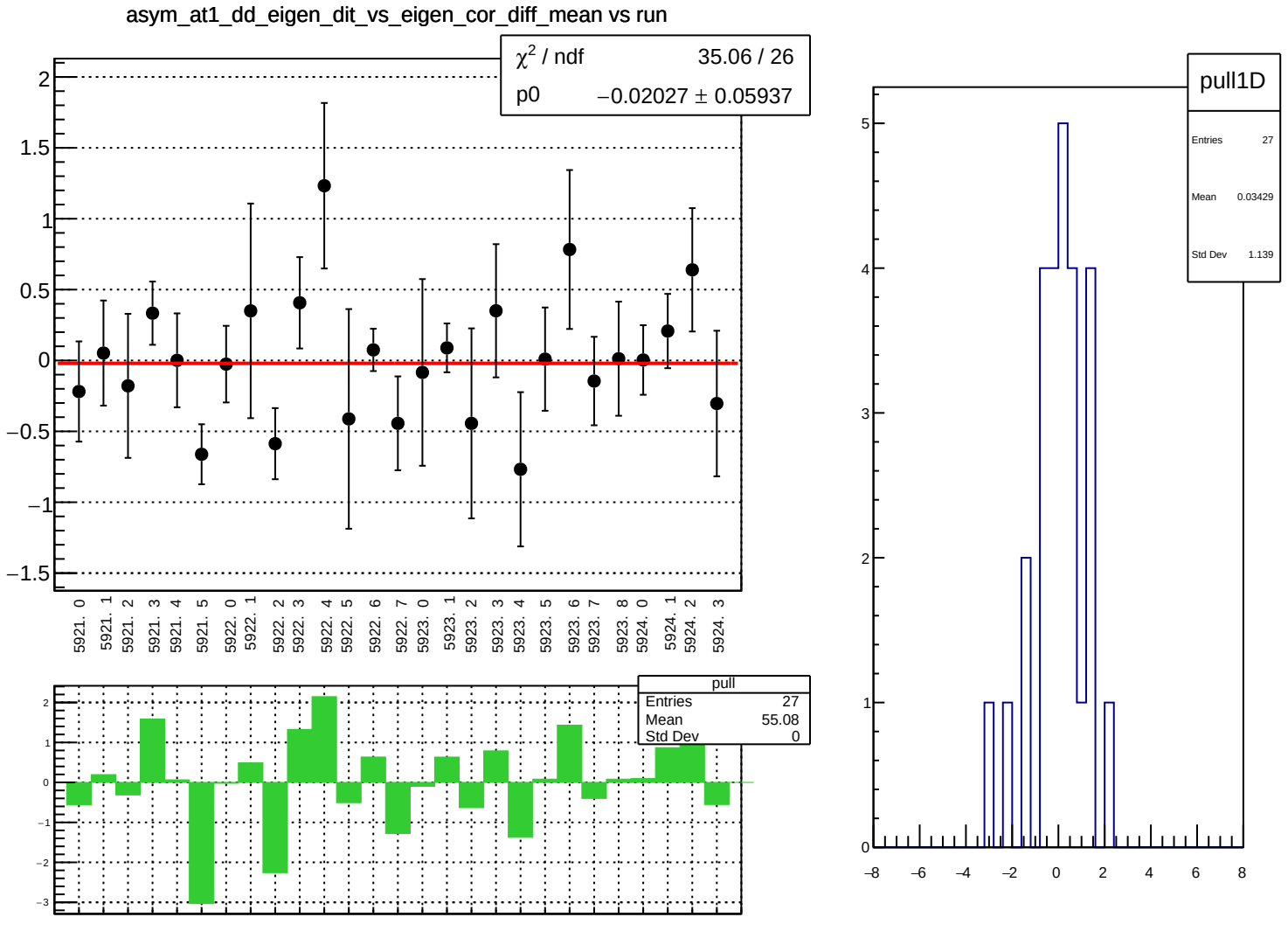

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 9.071e+04 / 26
p0 27.41 ± 0.04198
80
70
60
50
40
30
20
10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

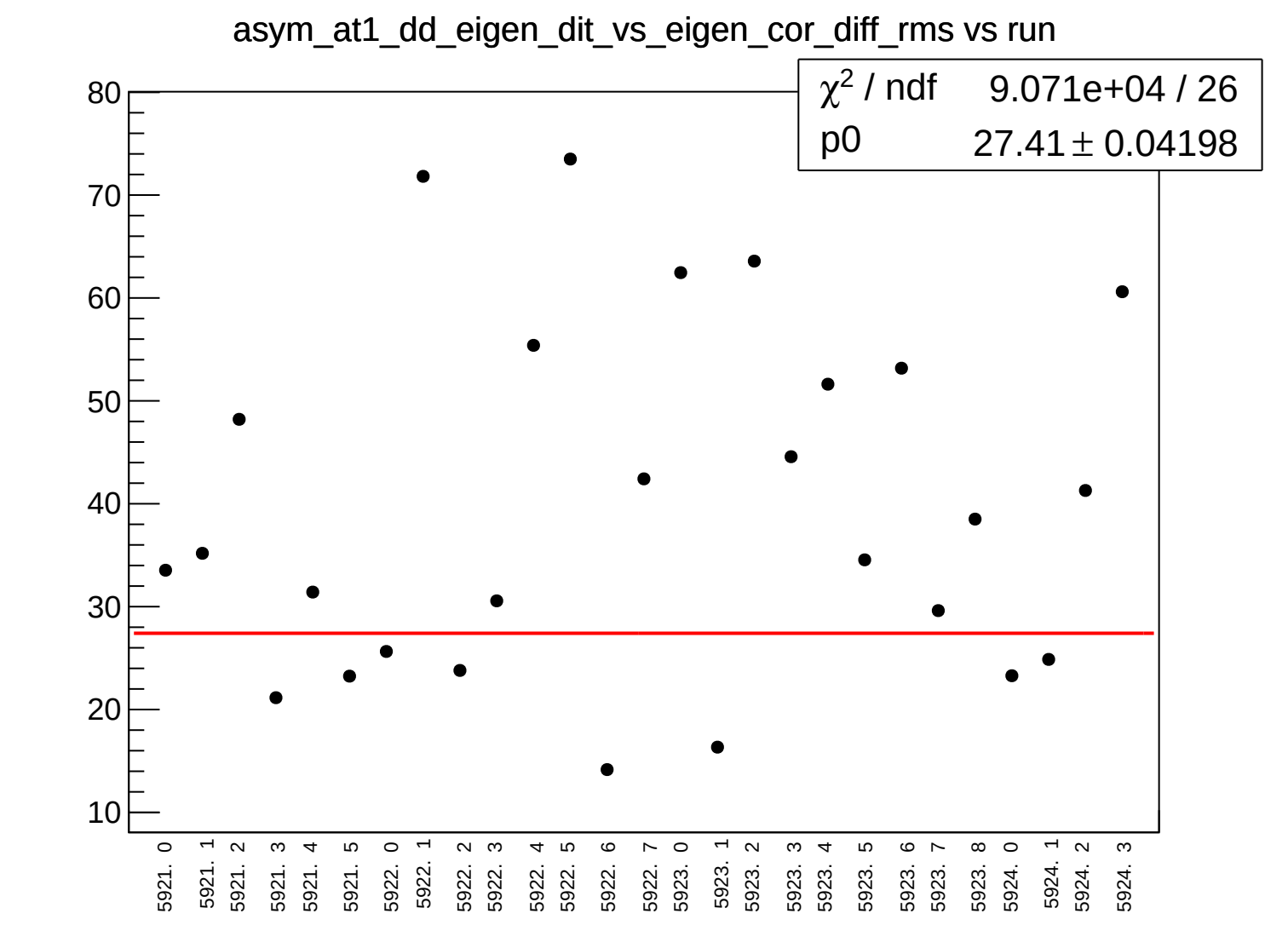

asym_at1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 26.78 / 26
p0 −4.674e−07 ± 2.875e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 91.6
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.02228
Std Dev 0.9956
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

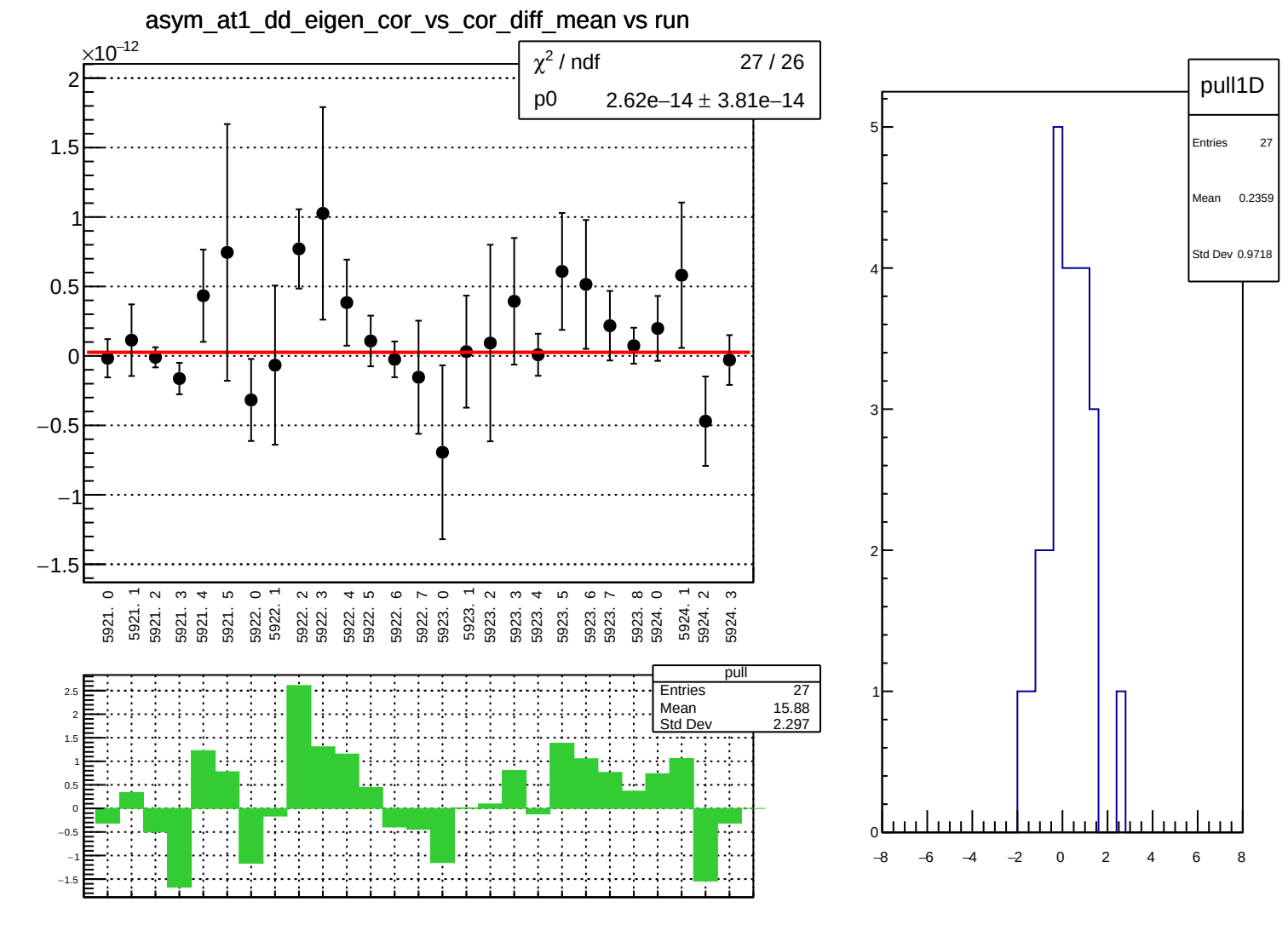

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.247e+04 / 26
p0 0.00143 ± 2.033e−06
0.0032
0.003
0.0028
0.0026
0.0024
0.0022
0.002
0.0018
0.0016
0.0014
0.0012
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

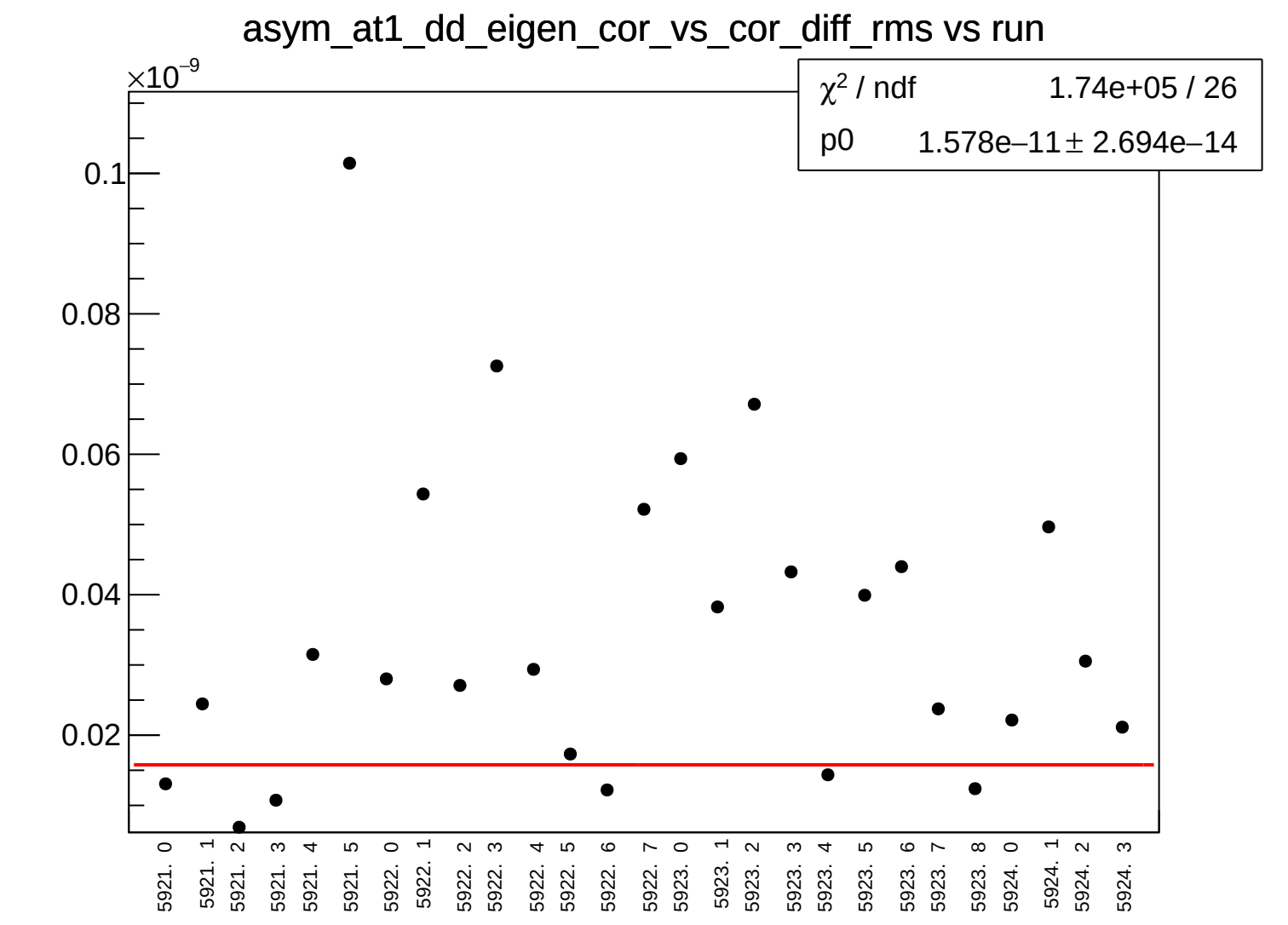

asym_at1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 35.06 / 26
p0 −0.02027 ± 0.05937
2
1.5
1
0.5
0
−0.5
−1
−1.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 55.08
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 27
Mean 0.03429
Std Dev 1.139
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

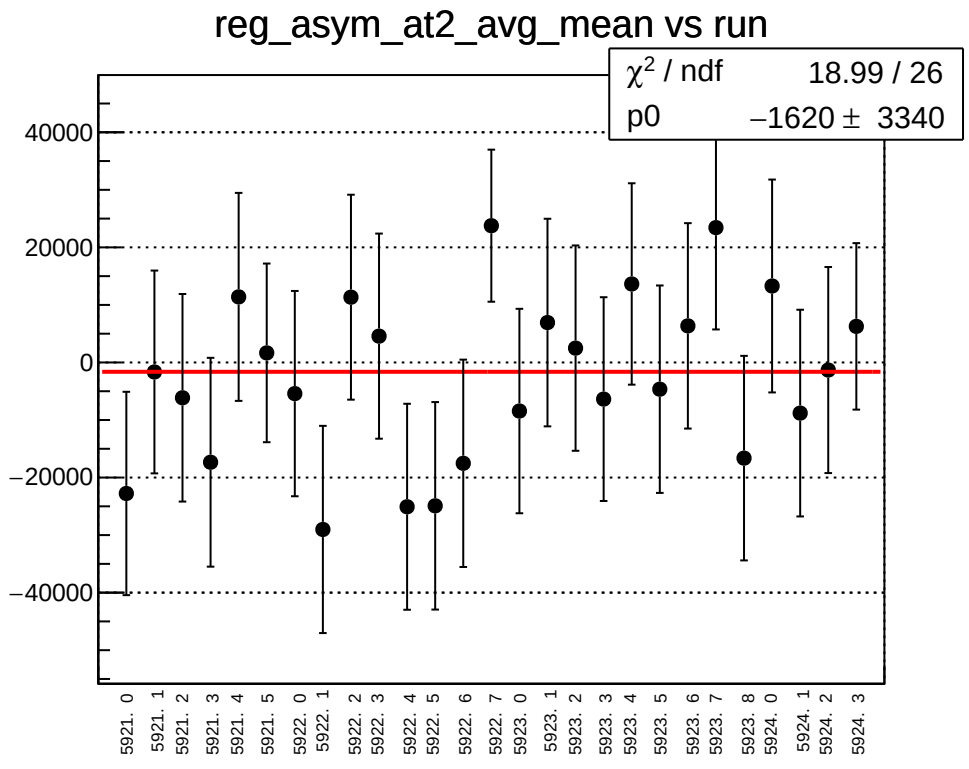

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.071e+04 / 26
p0 27.41 ± 0.04198
80
70
60
50
40
30
20
10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

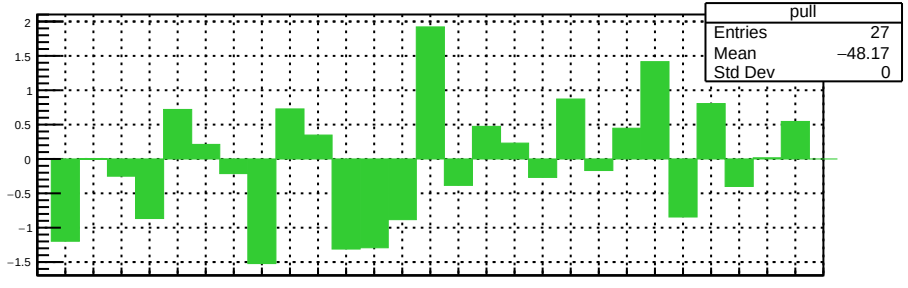

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 35.06 / 26
p0 −0.02027 ± 0.05937
2
1.5
1
0.5
0
−0.5
−1
−1.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 55.08
Std Dev 0
pull1D
Entries 27
Mean 0.03429
Std Dev 1.139

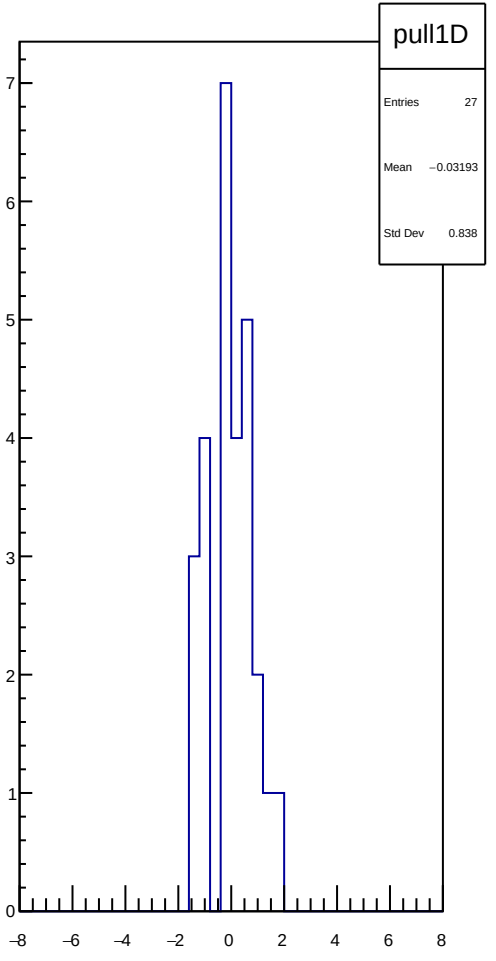

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.071e+04 / 26
p0 27.41 ± 0.04198
80
70
60
50
40
30
20
10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

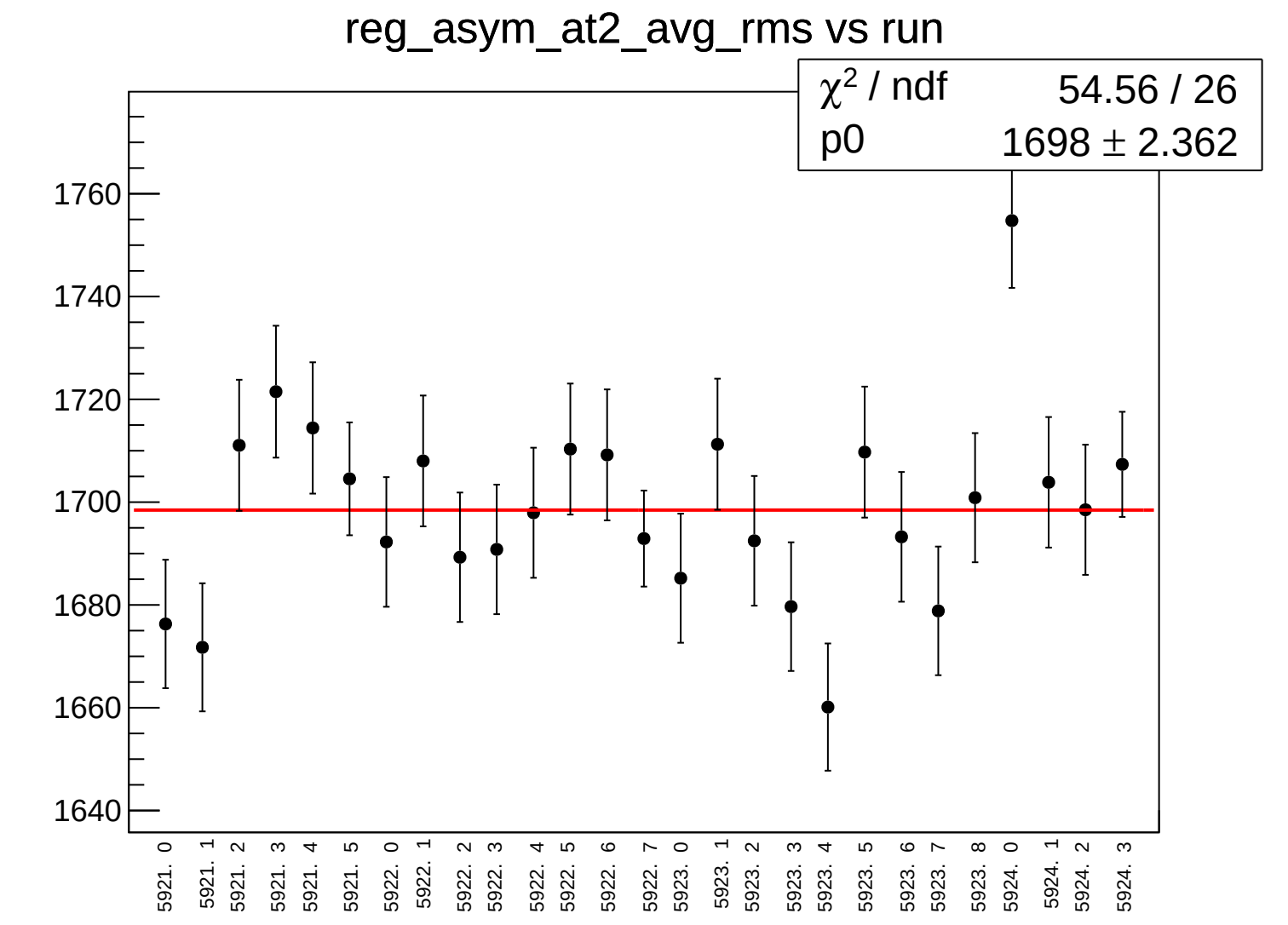

asym_at1_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 27 / 26
p0 2.62e−14 ± 3.81e−14
2
1.5
1
0.5
0
−0.5
−1
−1.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 15.88
Std Dev 2.297
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.2359
Std Dev 0.9718
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

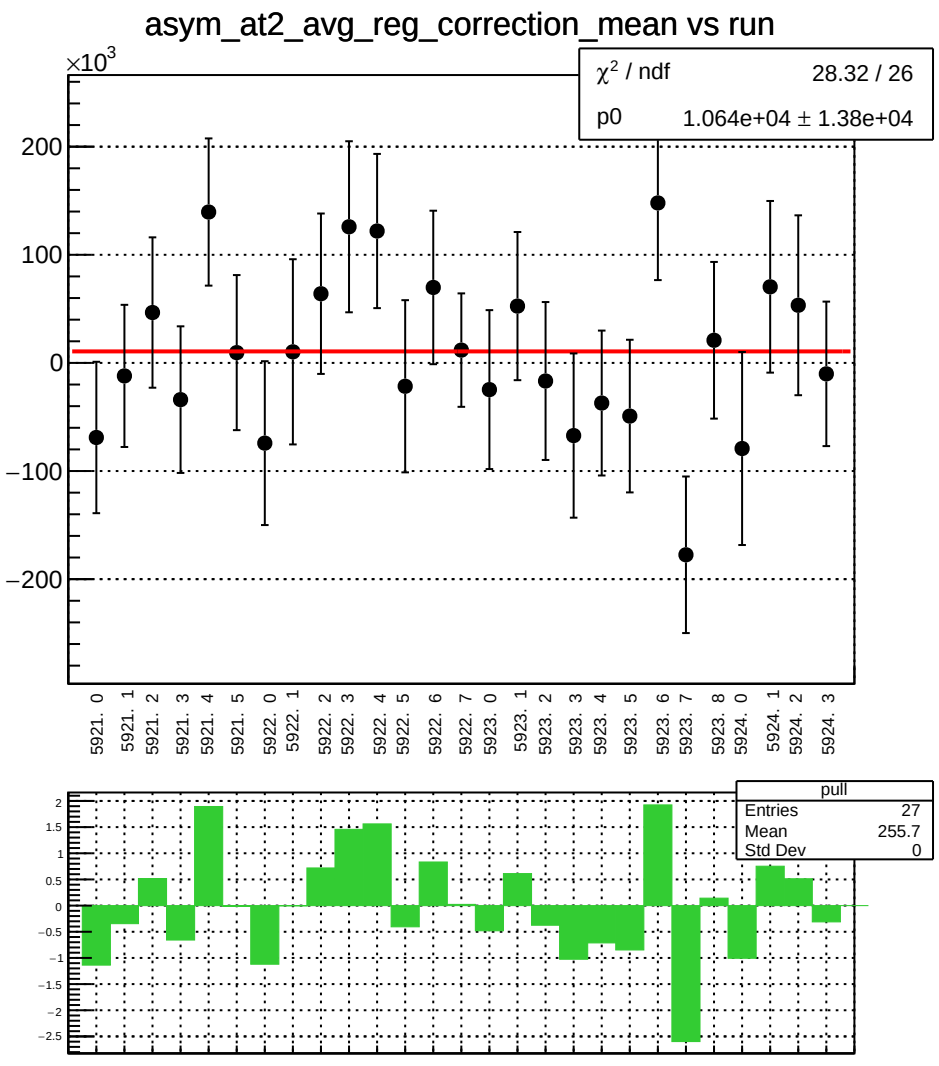

asym_at1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.74e+05 / 26
p0 1.578e−11 ± 2.694e−14
0.1
0.08
0.06
0.04
0.02
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

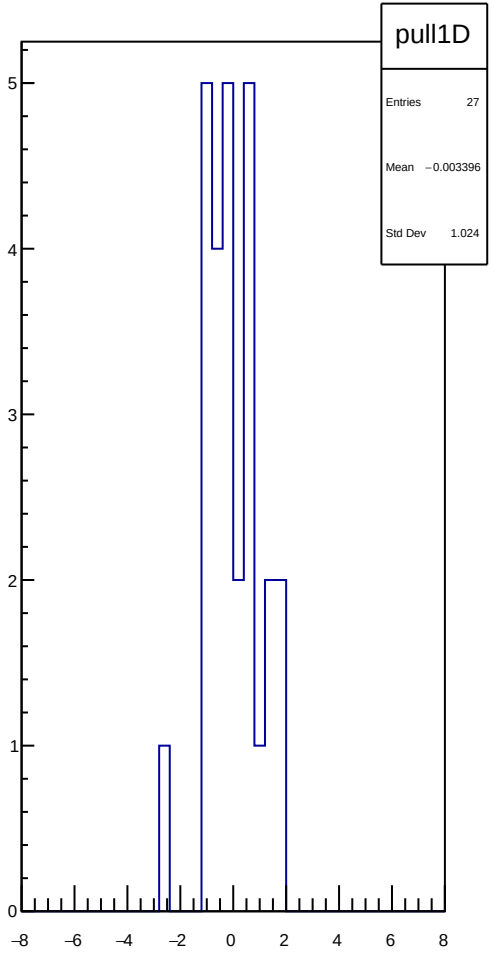

reg_asym_at2_avg_mean vs run
χ² / ndf 18.99 / 26
p0 −1620 ± 3340
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

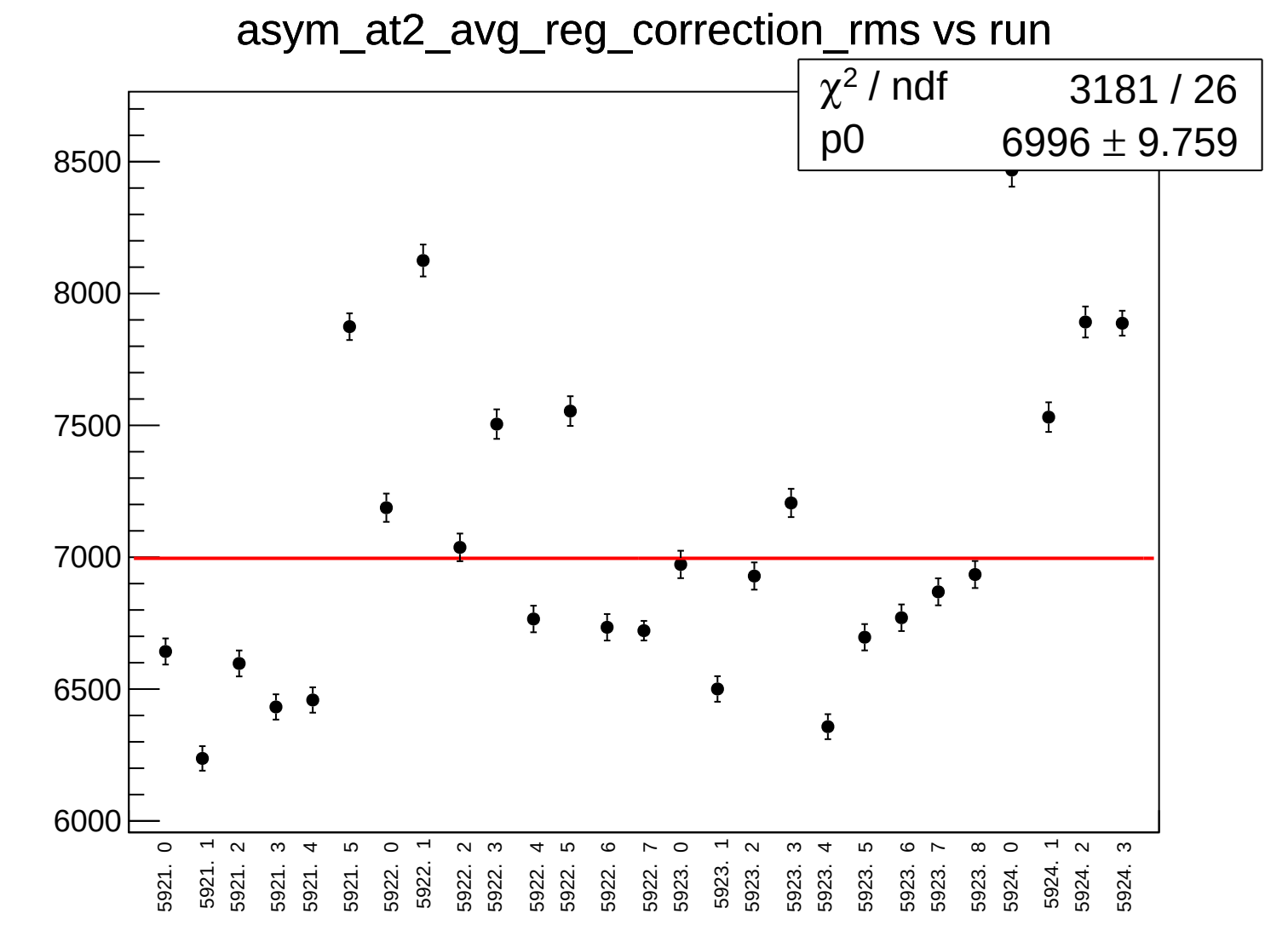

pull
Entries 27
Mean −48.17
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

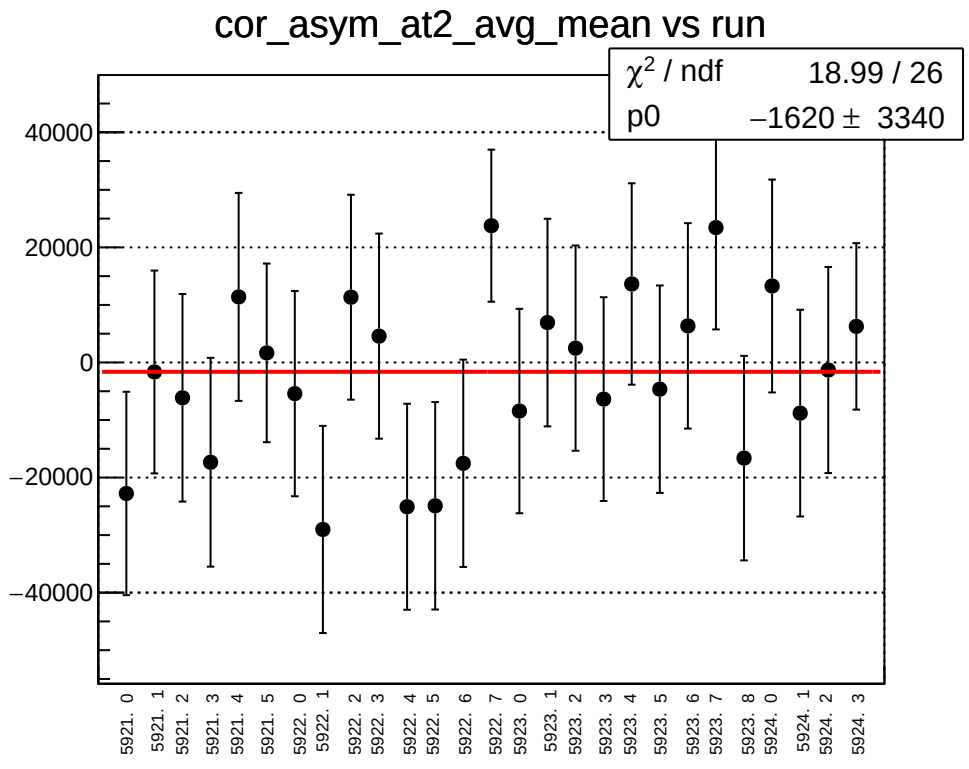

pull1D
Entries 27
Mean −0.03193
Std Dev 0.838
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

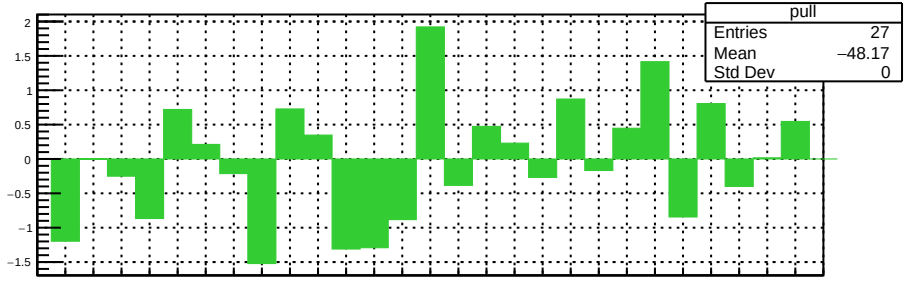

reg_asym_at2_avg_rms vs run
χ² / ndf 54.56 / 26
p0 1698 ± 2.362
1760
1740
1720
1700
1680
1660
1640
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

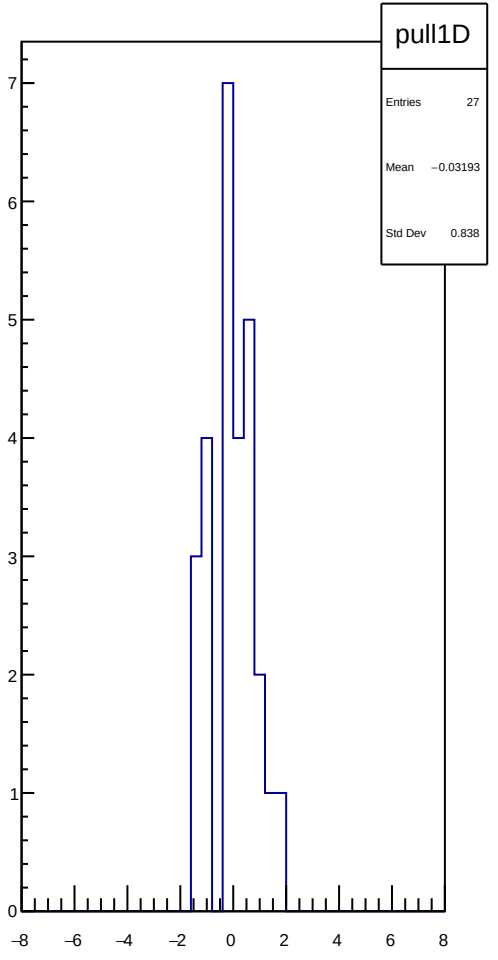

asym_at2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 28.32 / 26
p0 1.064e+04 ± 1.38e+04
200
100
0
−100
−200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 255.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

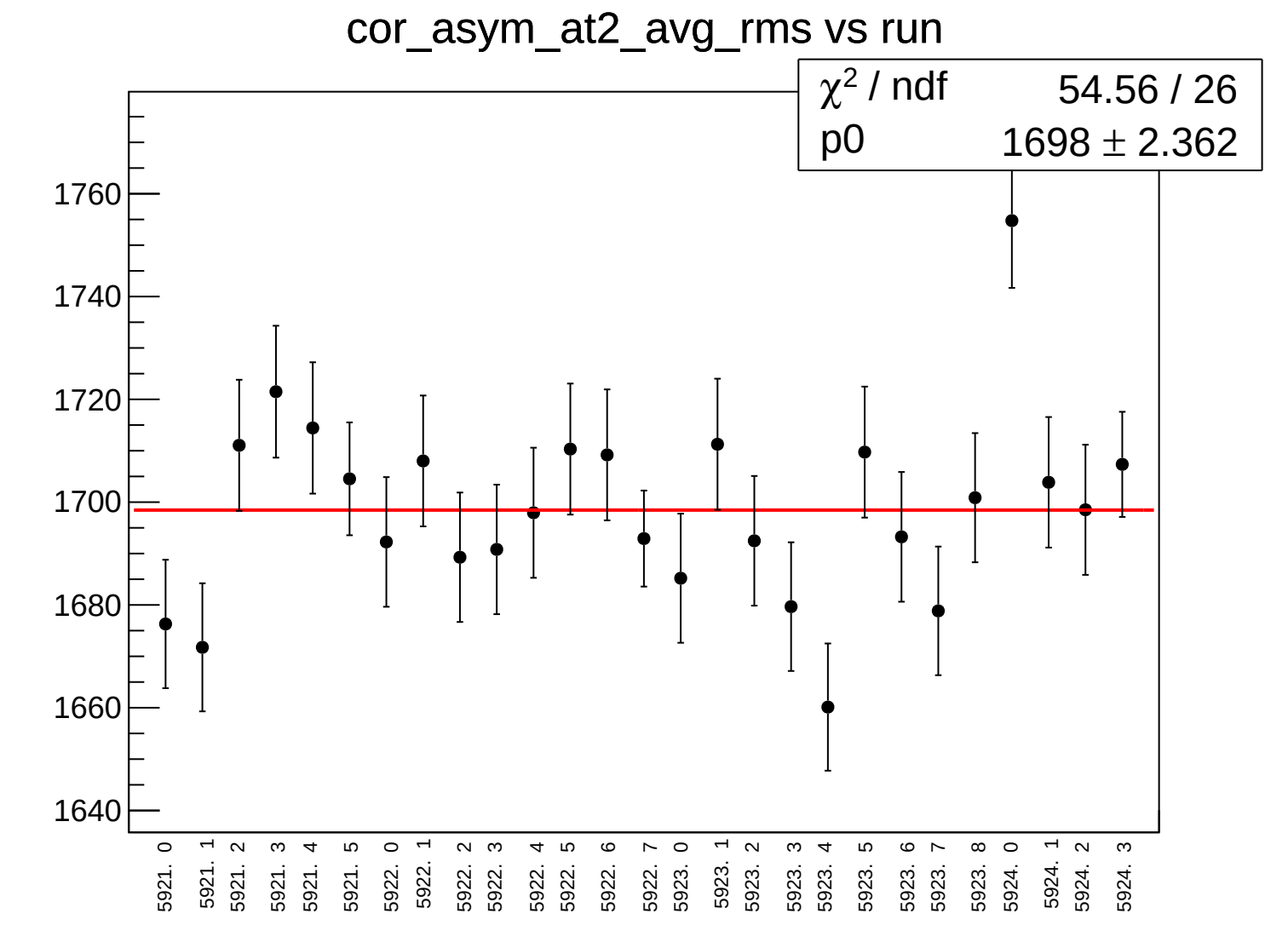

pull1D
Entries 27
Mean −0.003396
Std Dev 1.024
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

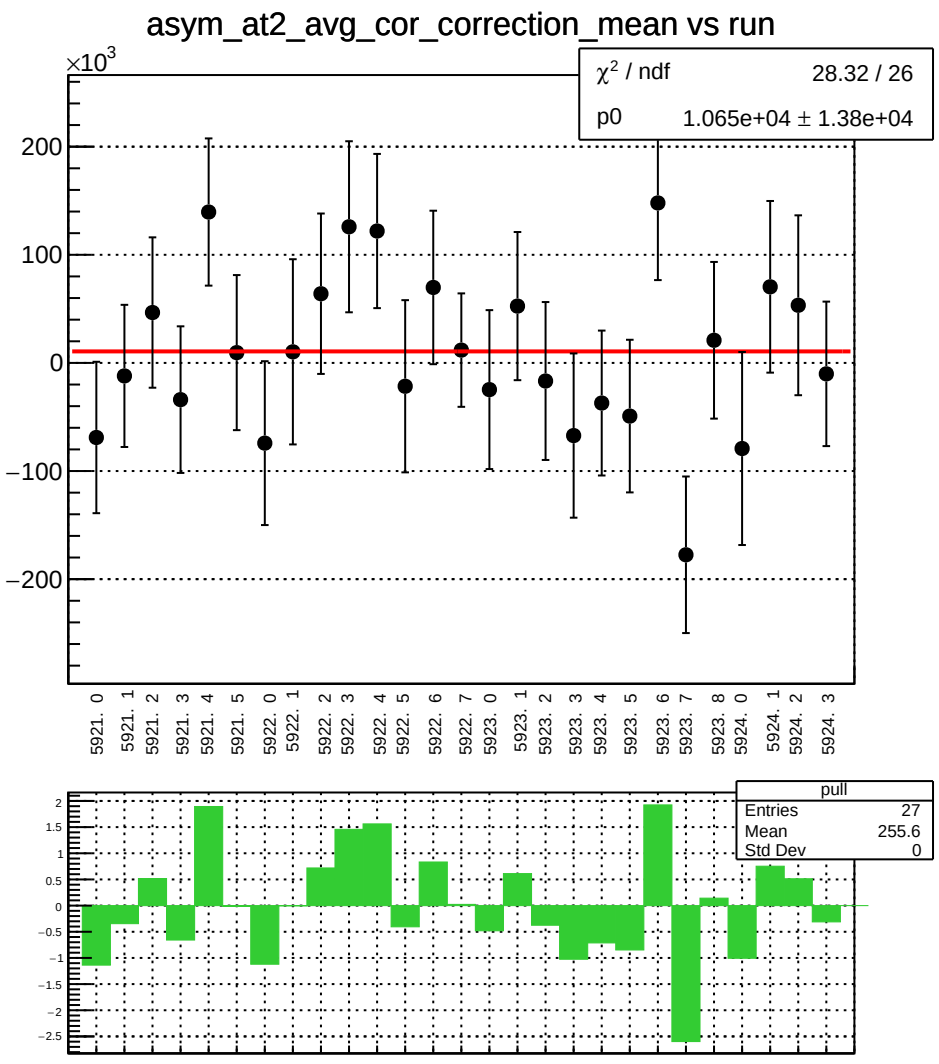

asym_at2_avg_reg_correction_rms vs run
χ² / ndf 3181 / 26
p0 6996 ± 9.759
8500
8000
7500
7000
6500
6000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

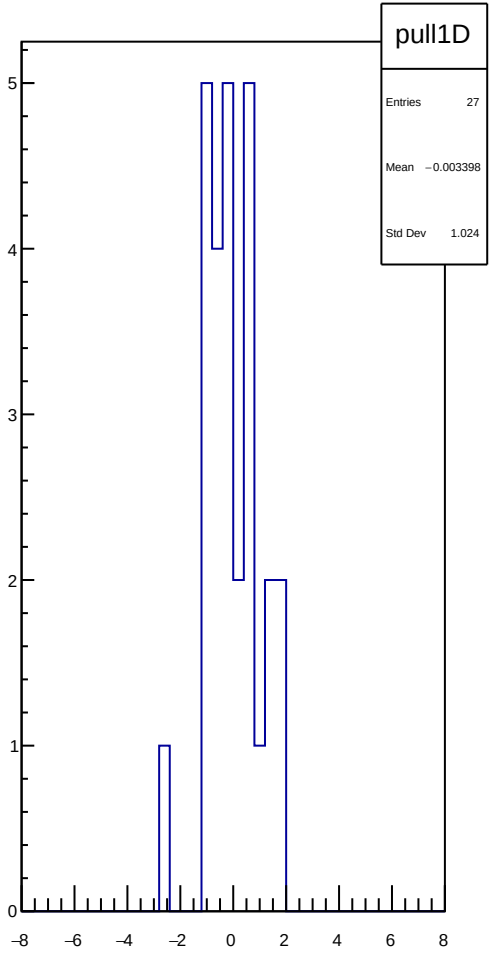

cor_asym_at2_avg_mean vs run
χ² / ndf 18.99 / 26
p0 −1620 ± 3340
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

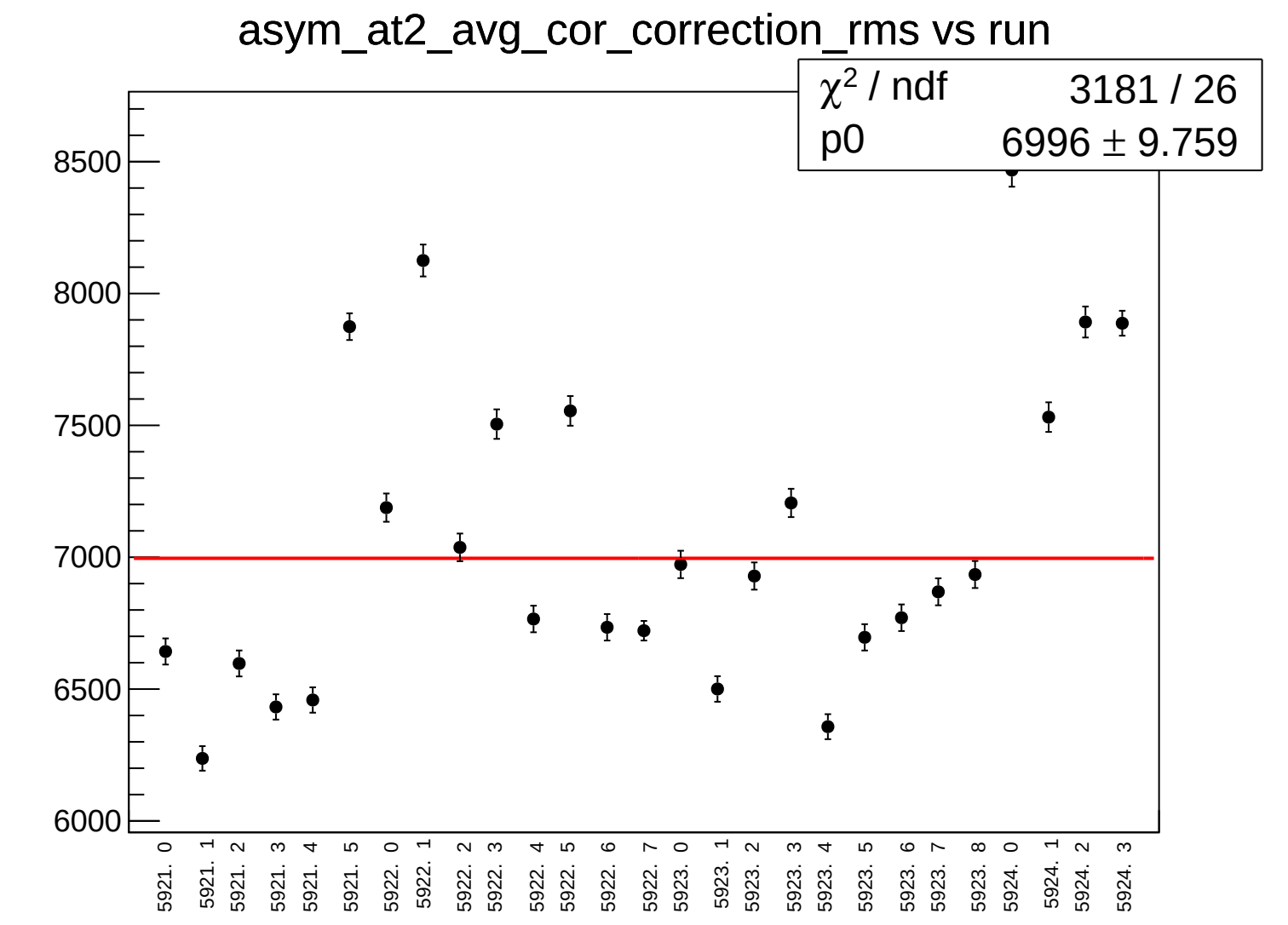

pull
Entries 27
Mean −48.17
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

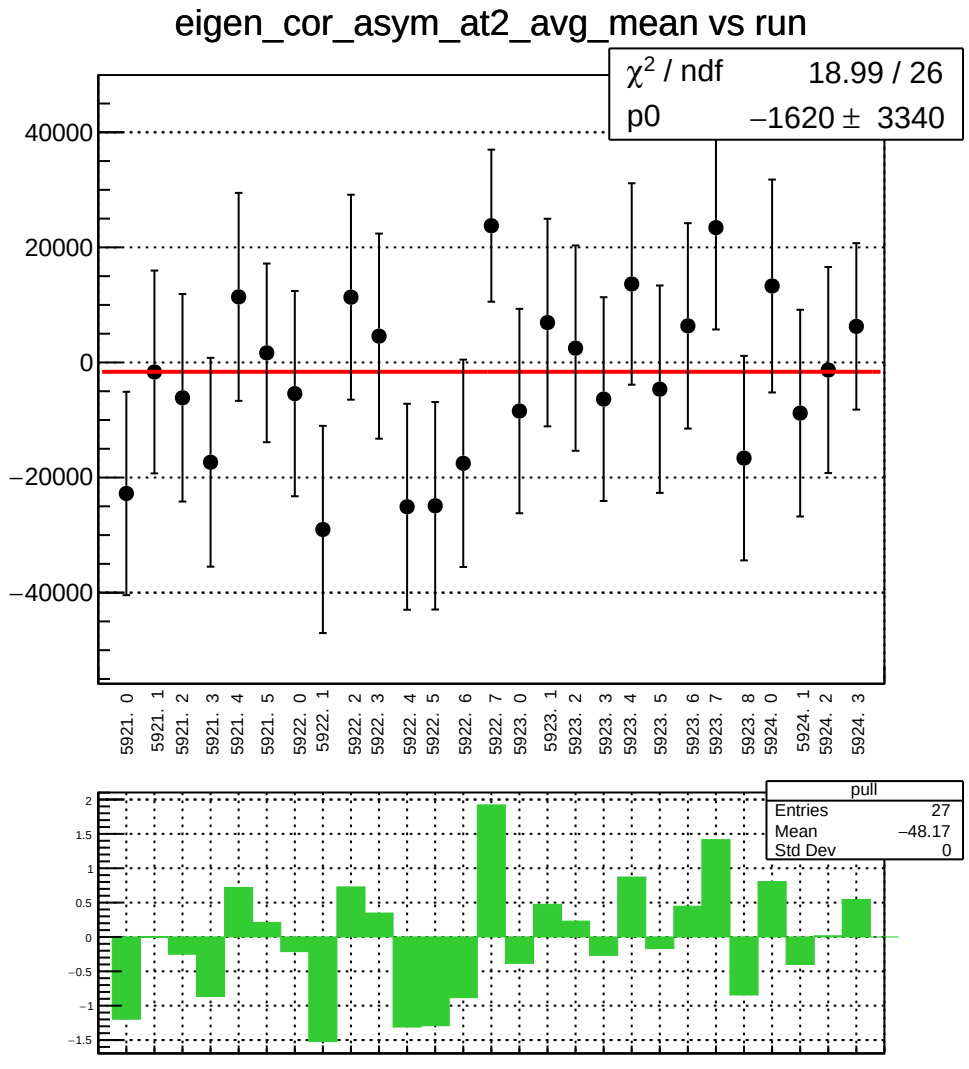

pull1D
Entries 27
Mean −0.03193
Std Dev 0.838
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

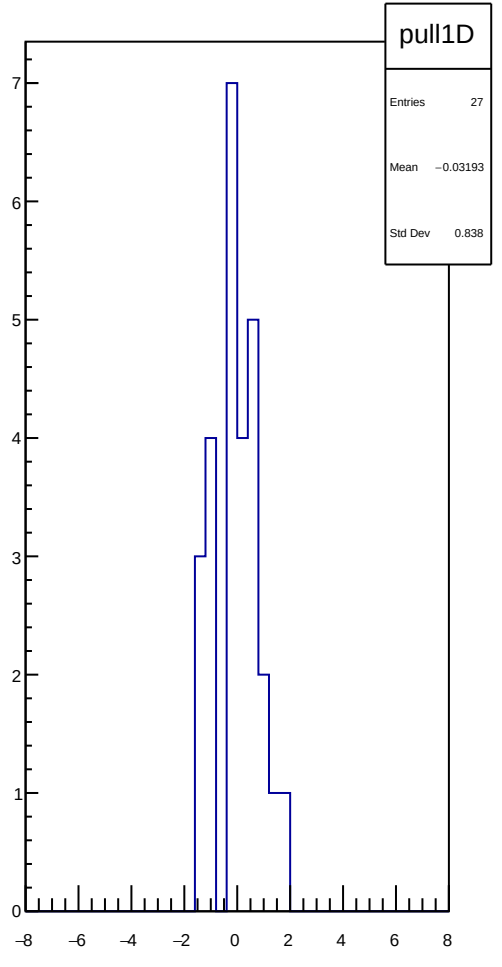

cor_asym_at2_avg_rms vs run
χ² / ndf 54.56 / 26
p0 1698 ± 2.362
1760
1740
1720
1700
1680
1660
1640
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

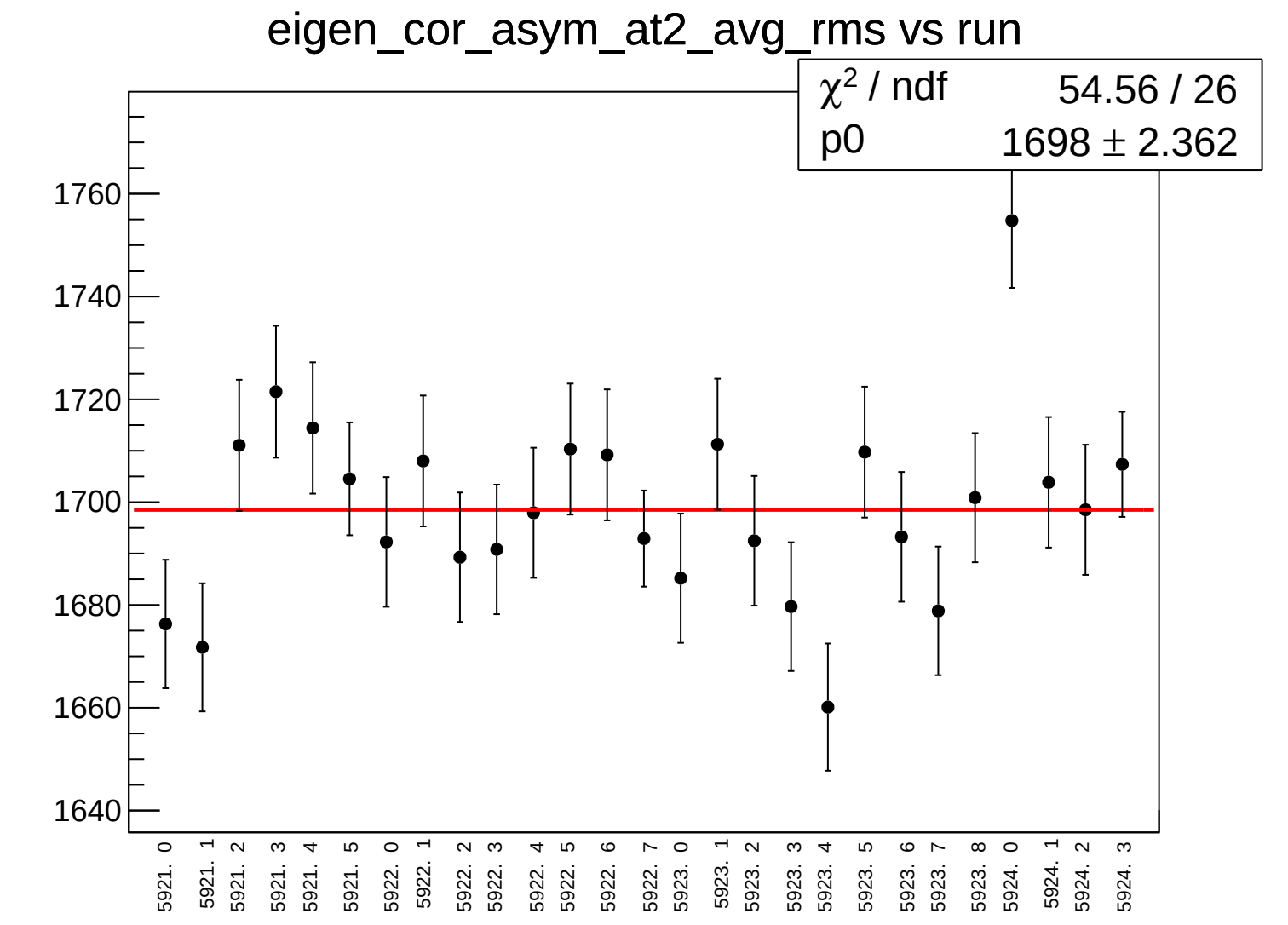

asym_at2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 28.32 / 26
p0 1.065e+04 ± 1.38e+04
200
100
0
−100
−200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 255.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

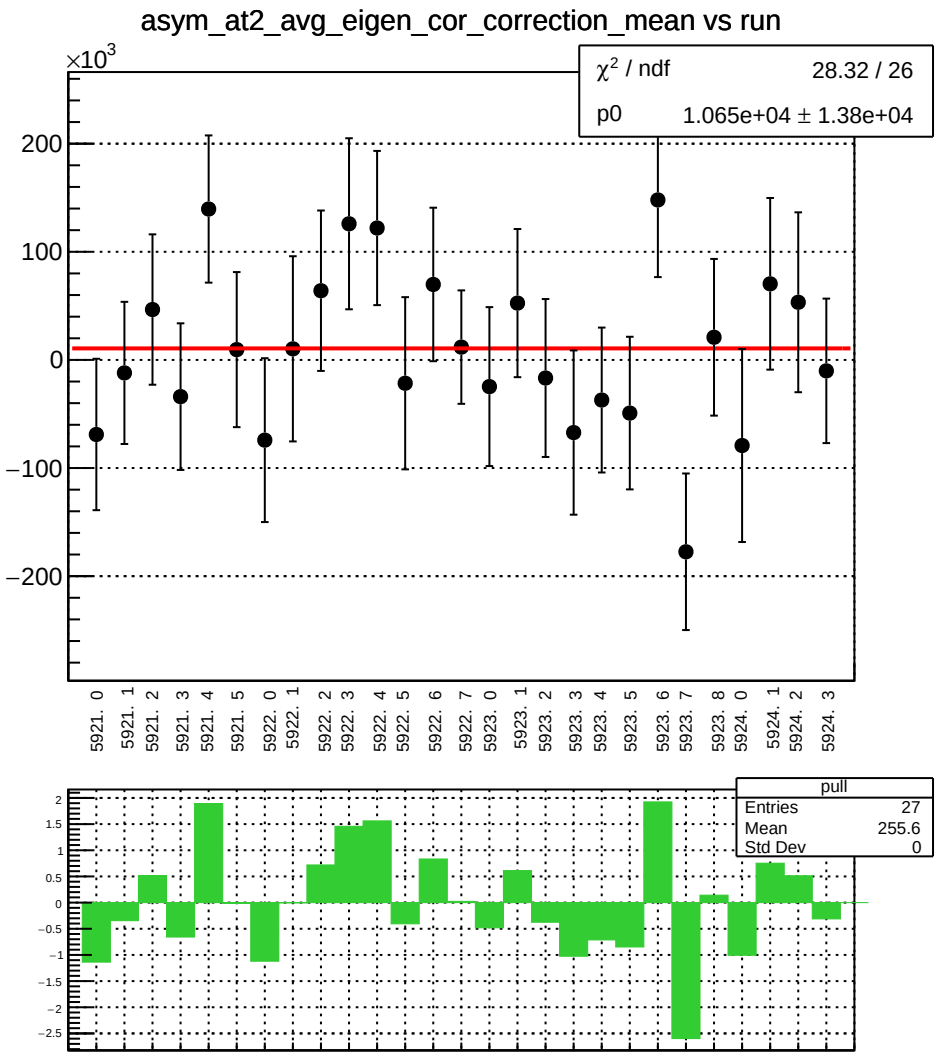

pull1D
Entries 27
Mean −0.003398
Std Dev 1.024
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

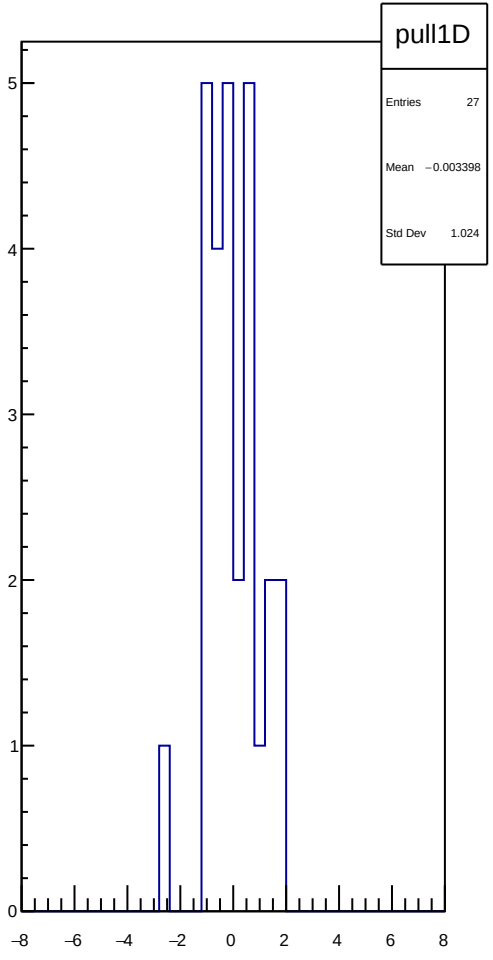

asym_at2_avg_cor_correction_rms vs run
χ² / ndf 3181 / 26
p0 6996 ± 9.759
8500
8000
7500
7000
6500
6000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

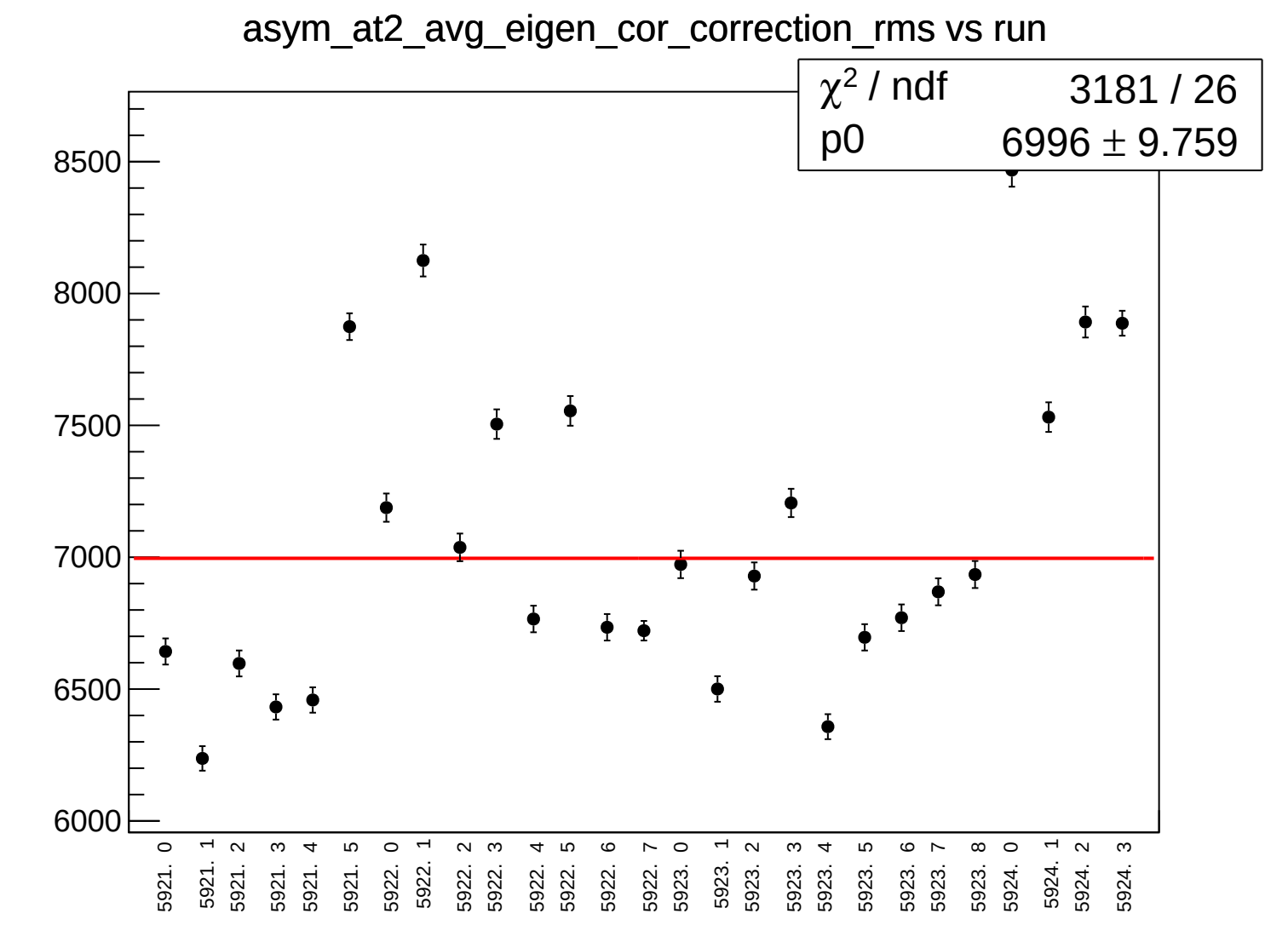

eigen_cor_asym_at2_avg_mean vs run
χ² / ndf 18.99 / 26
p0 −1620 ± 3340
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −48.17
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

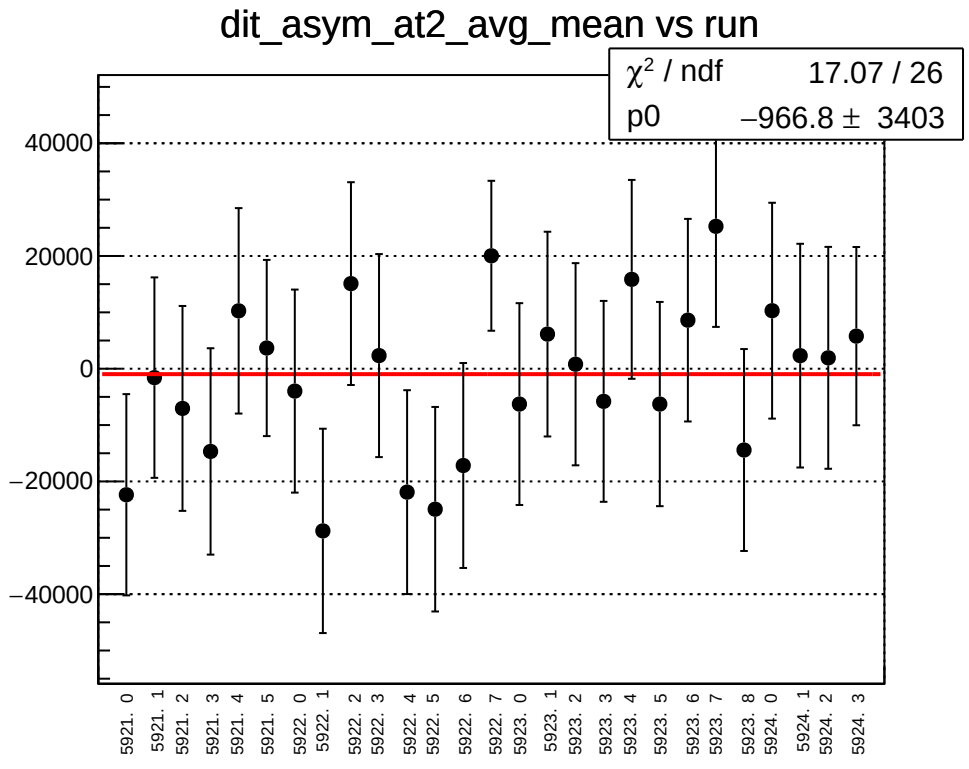

pull1D
Entries 27
Mean −0.03193
Std Dev 0.838
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

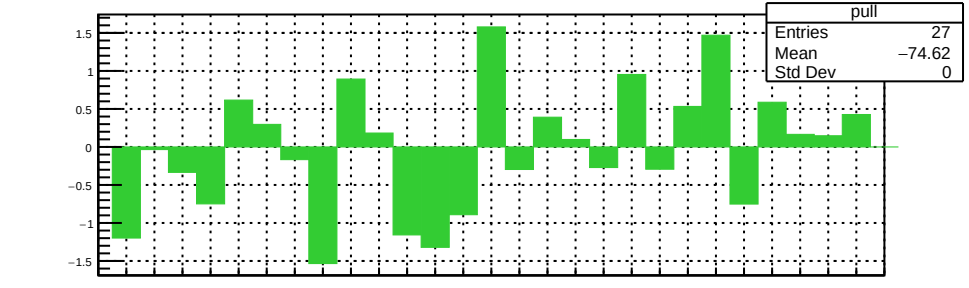

eigen_cor_asym_at2_avg_rms vs run
χ² / ndf 54.56 / 26
p0 1698 ± 2.362
1760
1740
1720
1700
1680
1660
1640
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

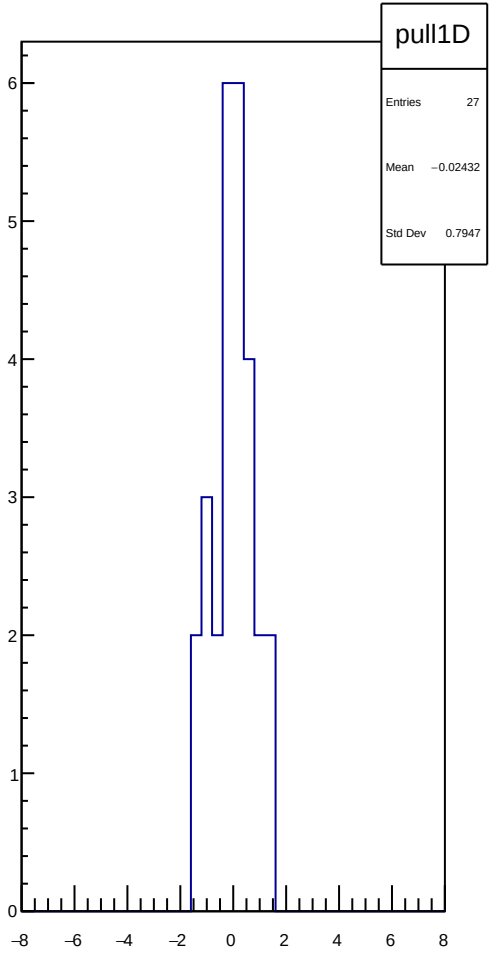

asym_at2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 28.32 / 26
p0 1.065e+04 ± 1.38e+04
200
100
0
−100
−200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 255.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

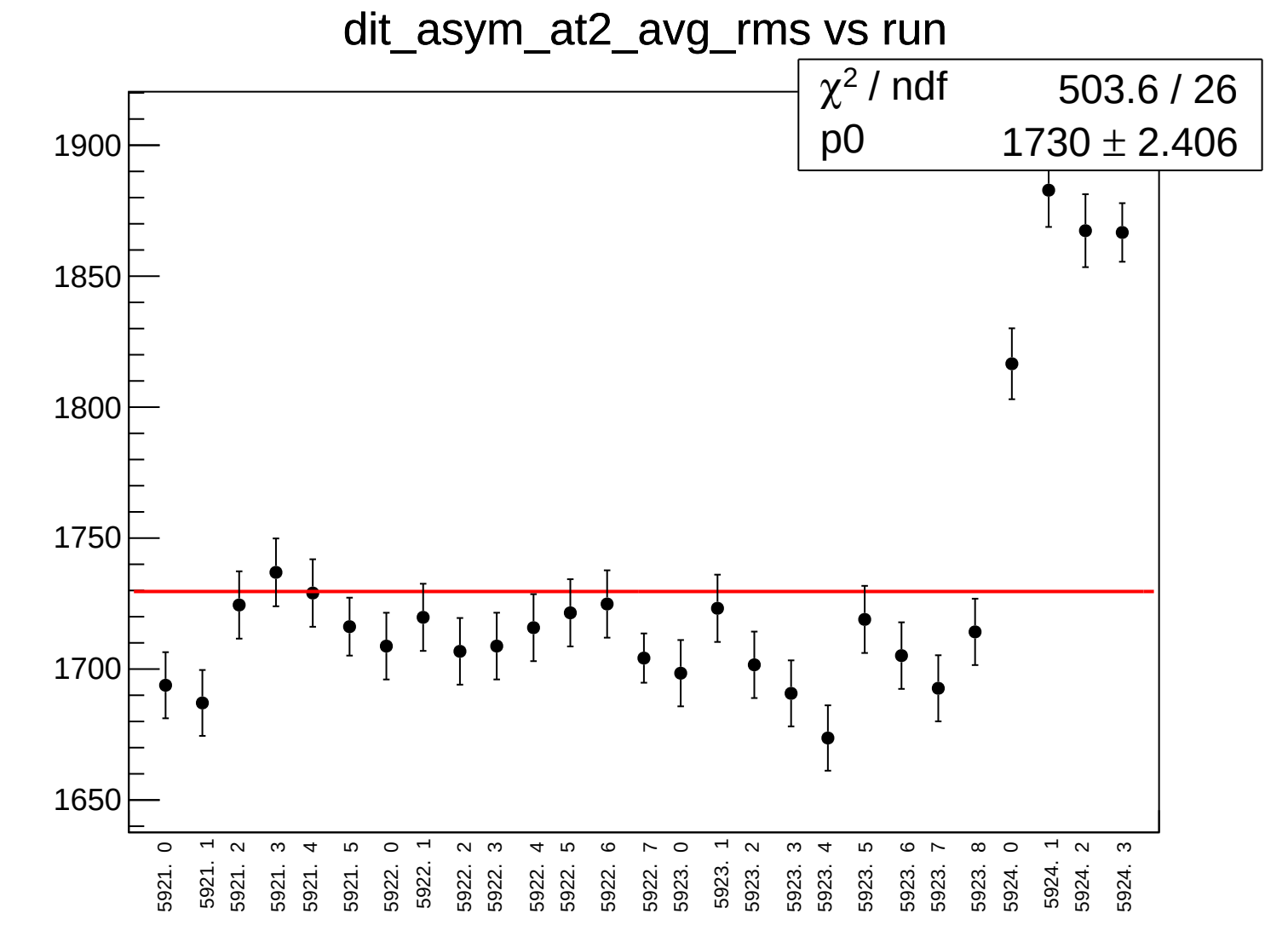

pull1D
Entries 27
Mean −0.003398
Std Dev 1.024
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

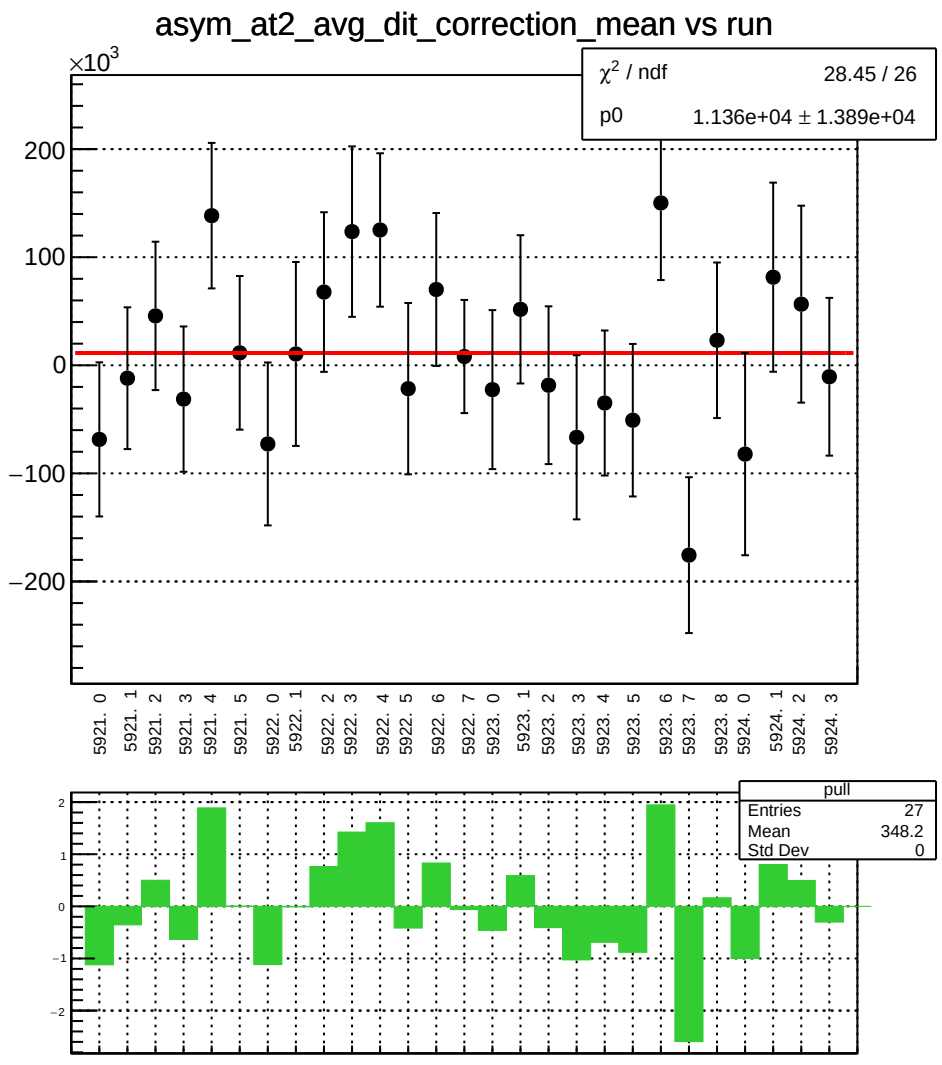

asym_at2_avg_eigen_cor_correction_rms vs run
χ² / ndf 3181 / 26
p0 6996 ± 9.759
8500
8000
7500
7000
6500
6000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

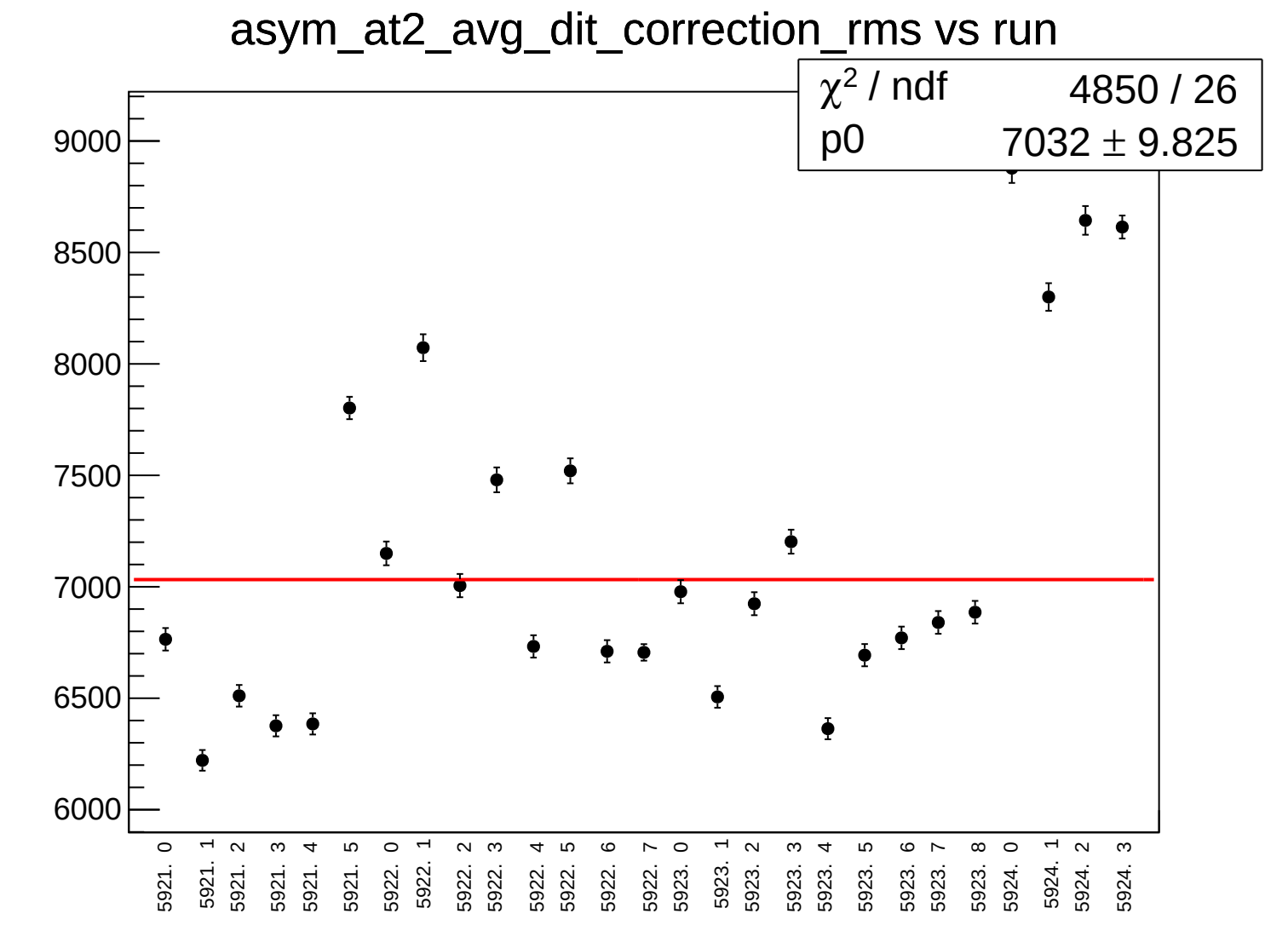

dit_asym_at2_avg_mean vs run
χ² / ndf 17.07 / 26
p0 −966.8 ± 3403
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

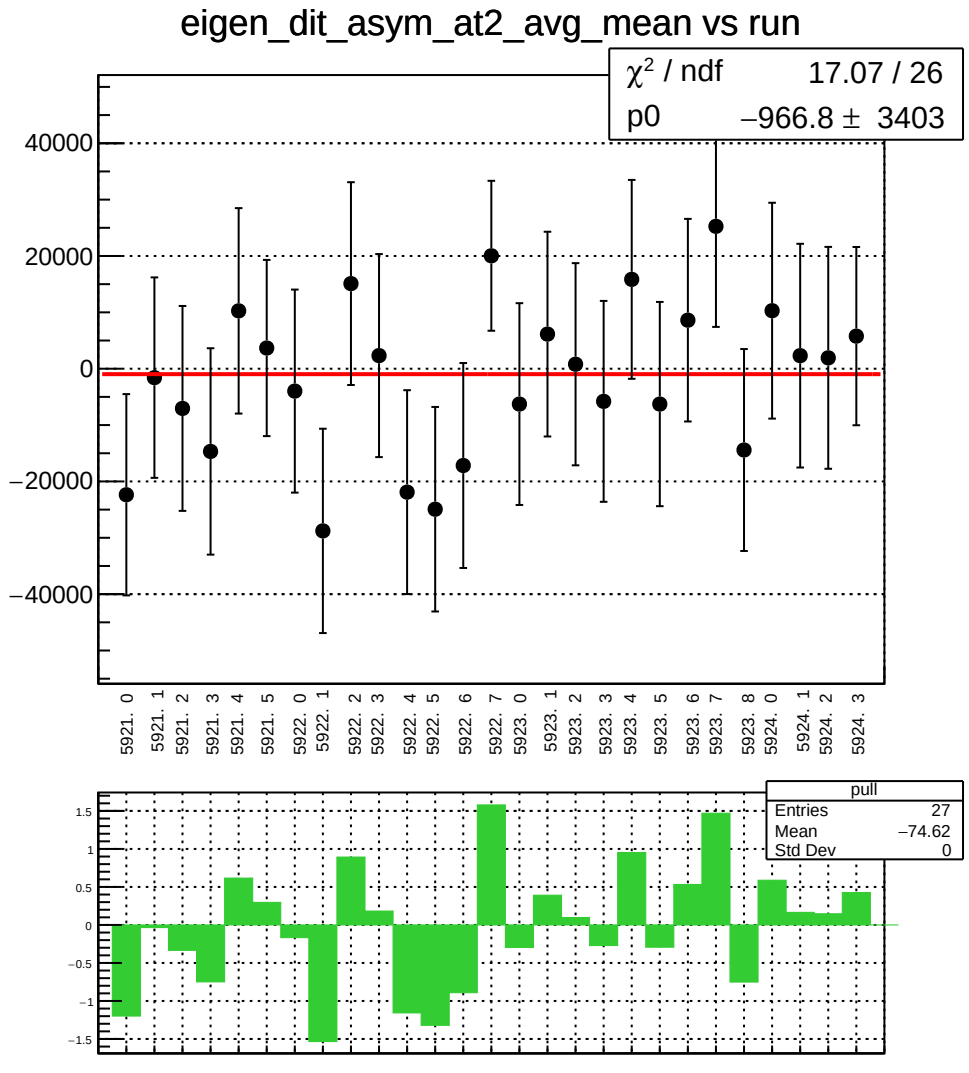

pull
Entries 27
Mean −74.62
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

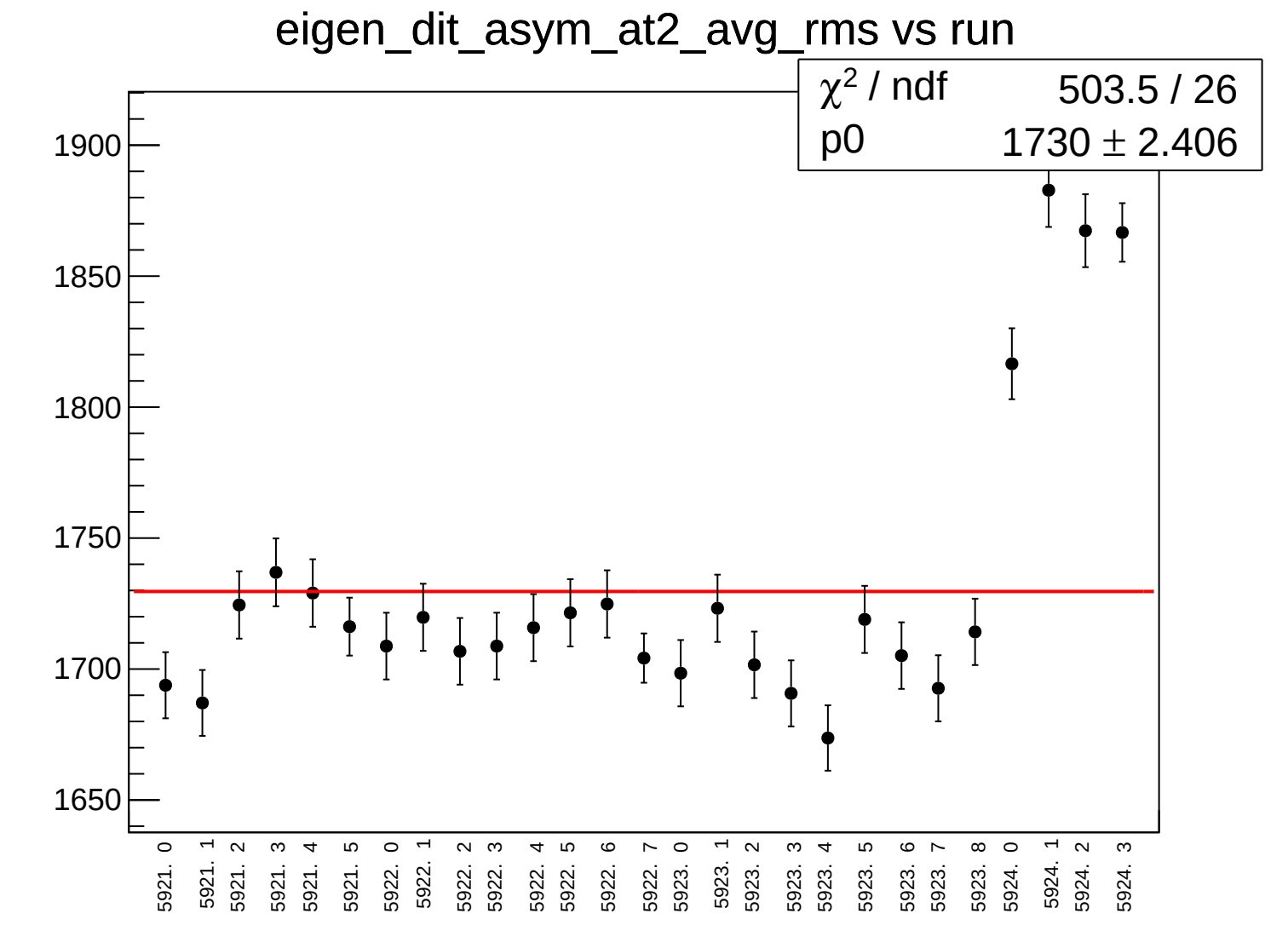

pull1D
Entries 27
Mean −0.02432
Std Dev 0.7947
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

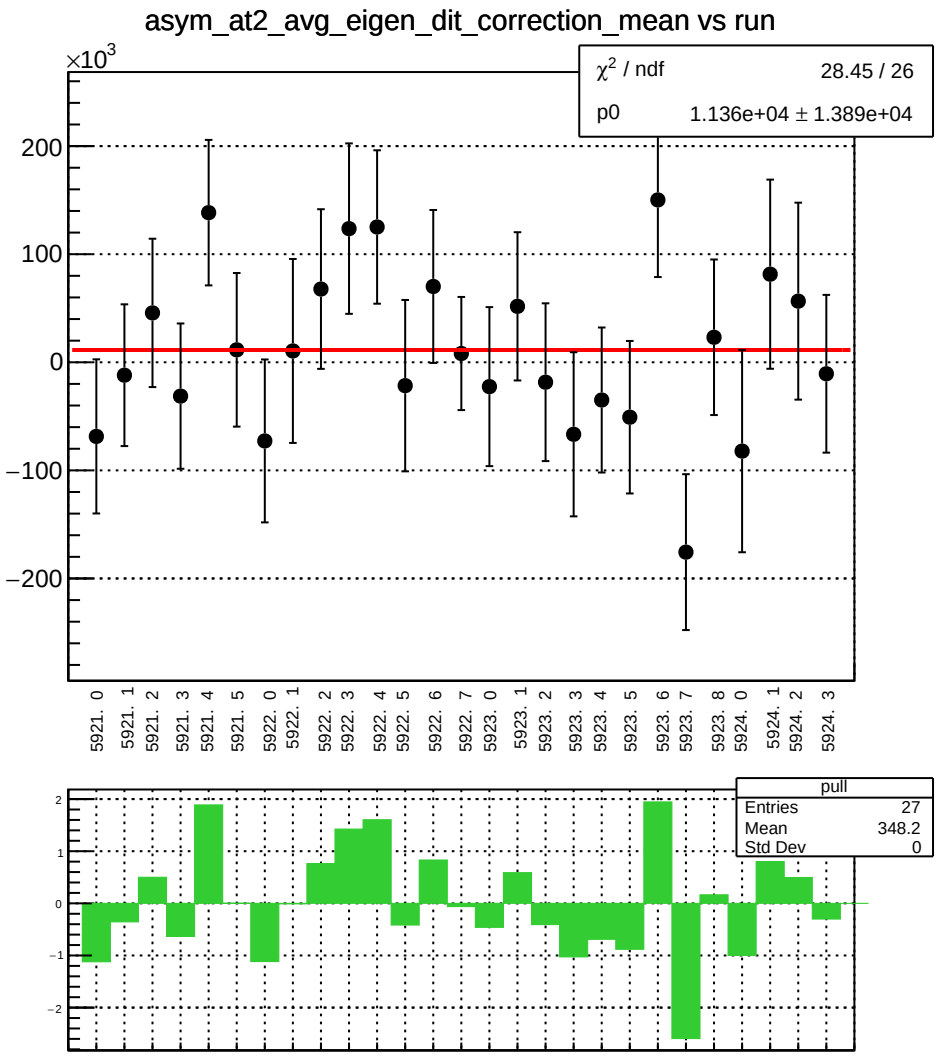

dit_asym_at2_avg_rms vs run
χ² / ndf 503.6 / 26
p0 1730 ± 2.406
1900
1850
1800
1750
1700
1650
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

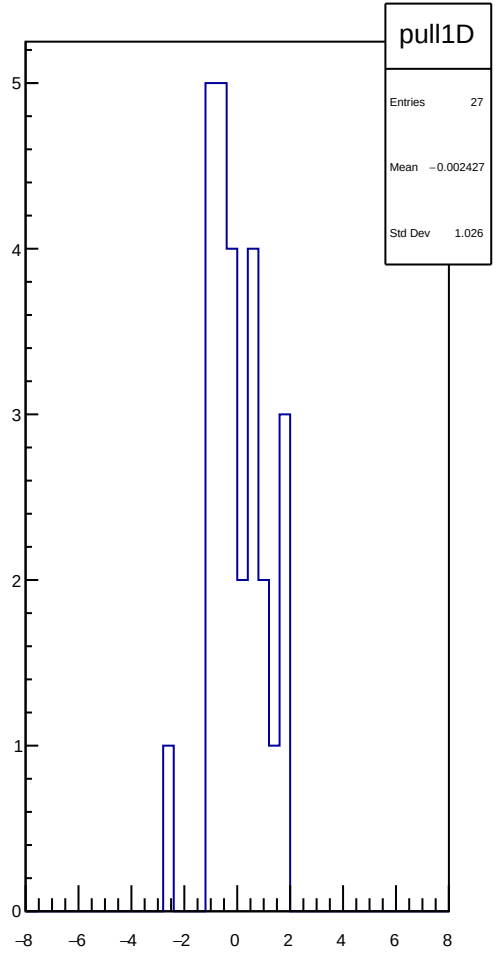

asym_at2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 28.45 / 26
p0 1.136e+04 ± 1.389e+04
200
100
0
−100
−200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 348.2
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean −0.002427
Std Dev 1.026
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

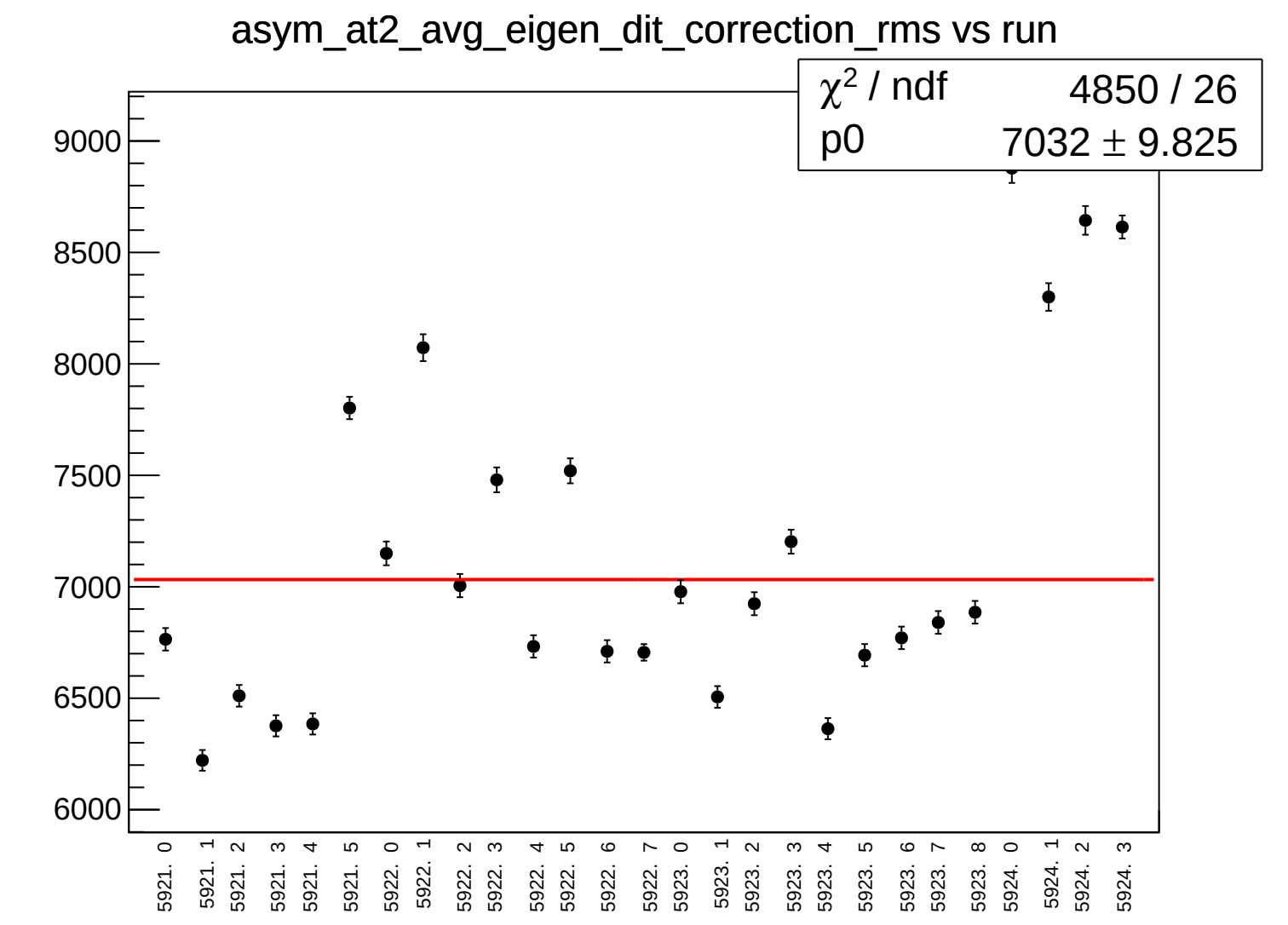

asym_at2_avg_dit_correction_rms vs run
χ² / ndf 4850 / 26
p0 7032 ± 9.825
9000
8500
8000
7500
7000
6500
6000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

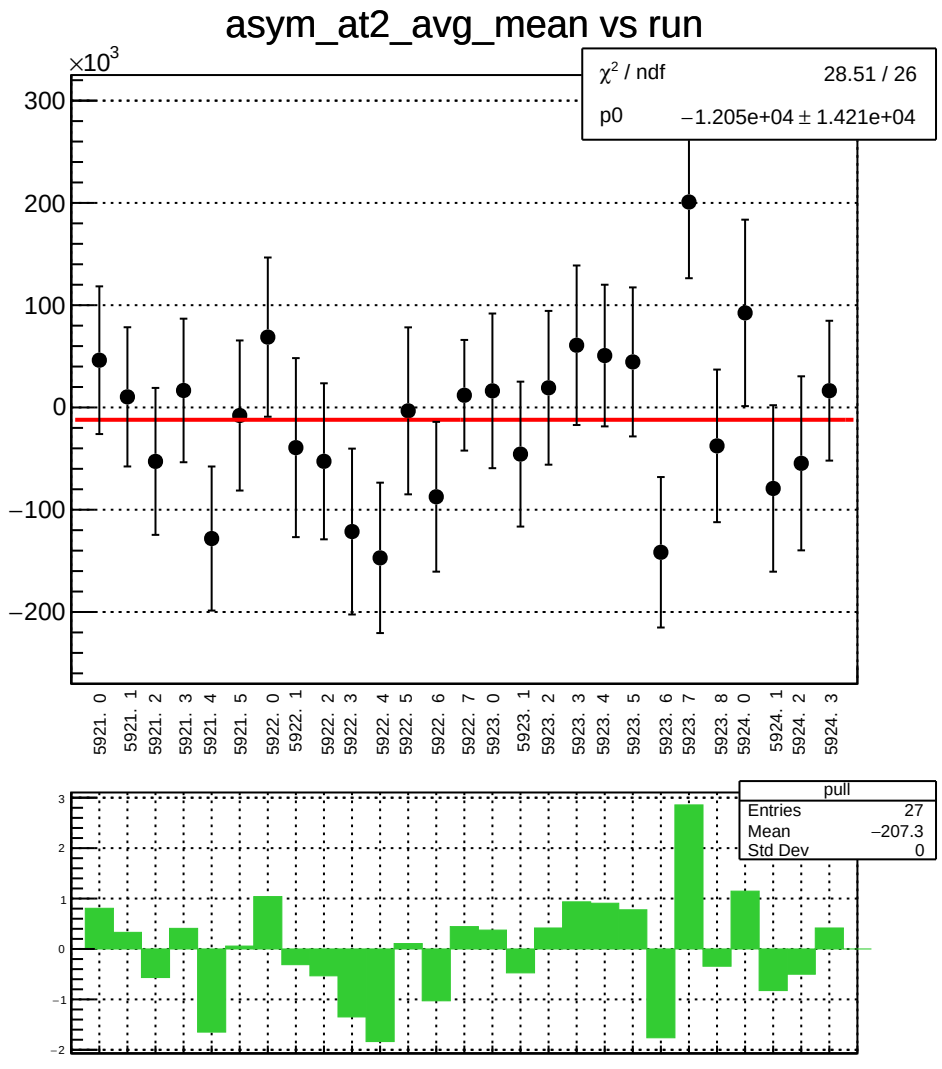

eigen_dit_asym_at2_avg_mean vs run
χ² / ndf 17.07 / 26
p0 −966.8 ± 3403
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −74.62
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.02432
Std Dev 0.7947
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

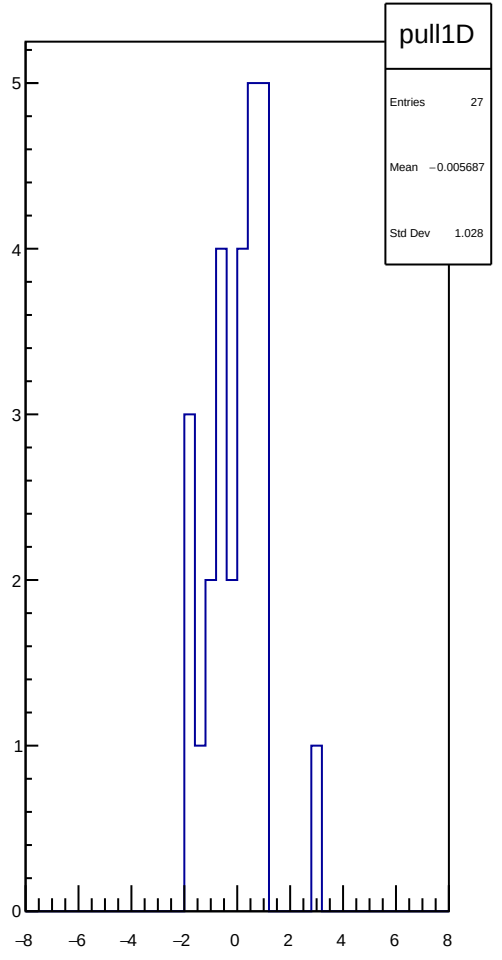

eigen_dit_asym_at2_avg_rms vs run
χ² / ndf 503.5 / 26
p0 1730 ± 2.406
1900
1850
1800
1750
1700
1650
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

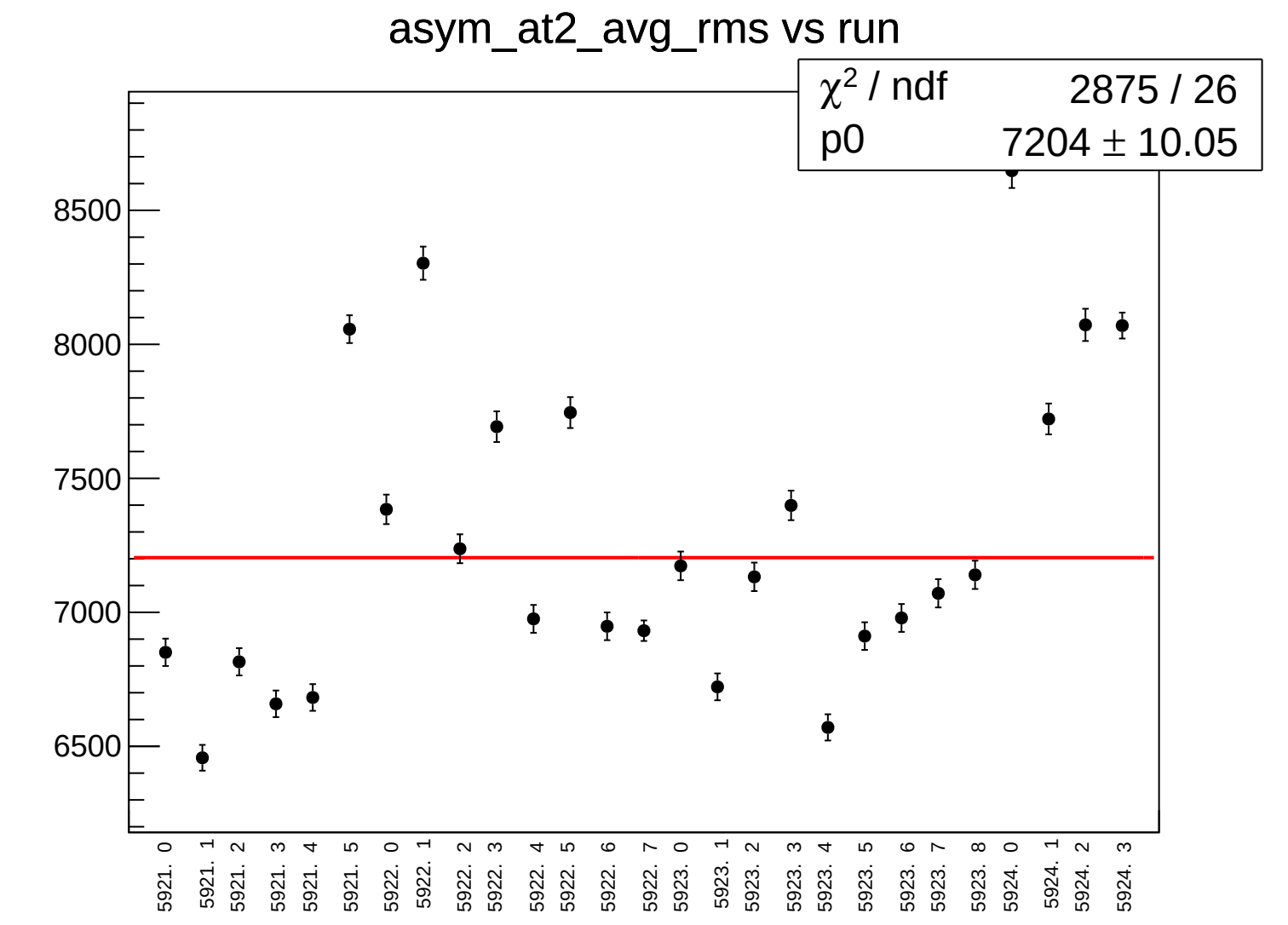

asym_at2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 28.45 / 26
p0 1.136e+04 ± 1.389e+04
200
100
0
−100
−200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 348.2
Std Dev 0
2
1
0
−1
−2

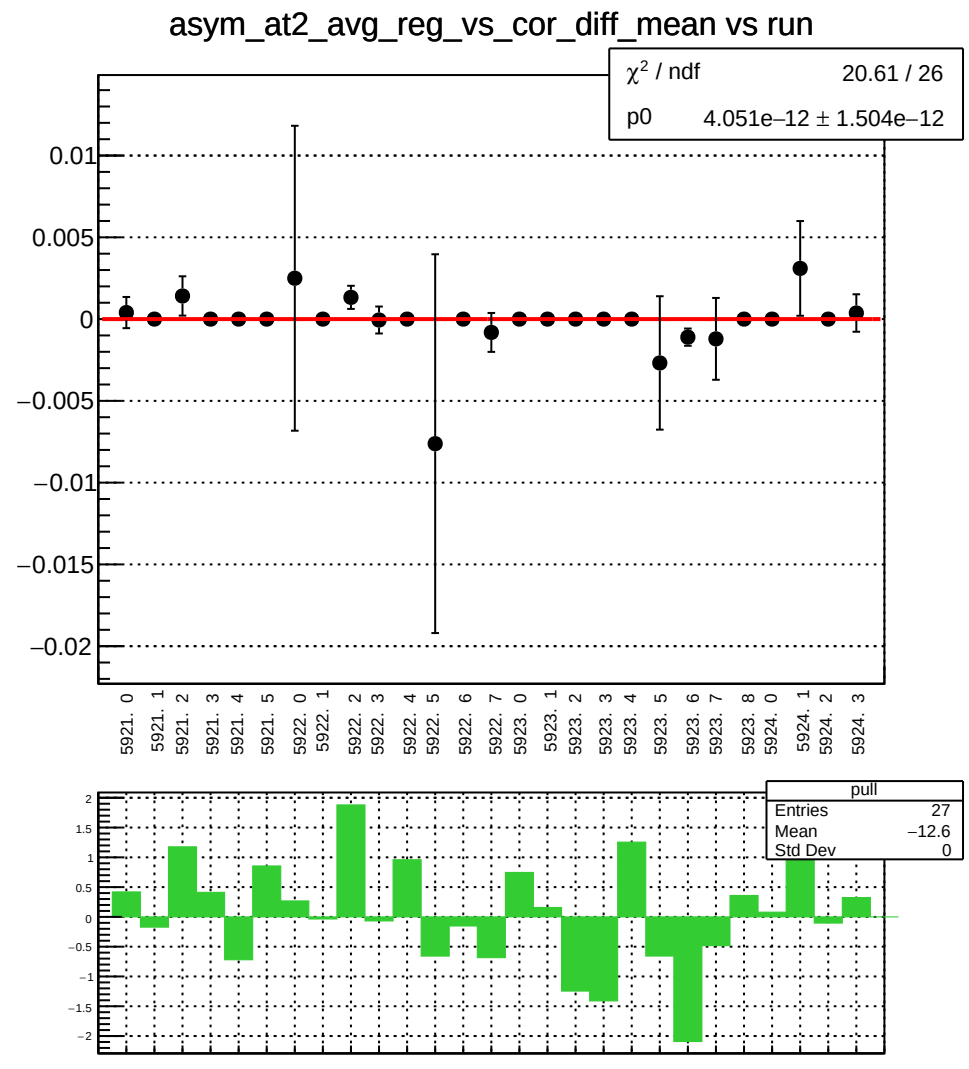

pull1D
Entries 27
Mean −0.002427
Std Dev 1.026
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

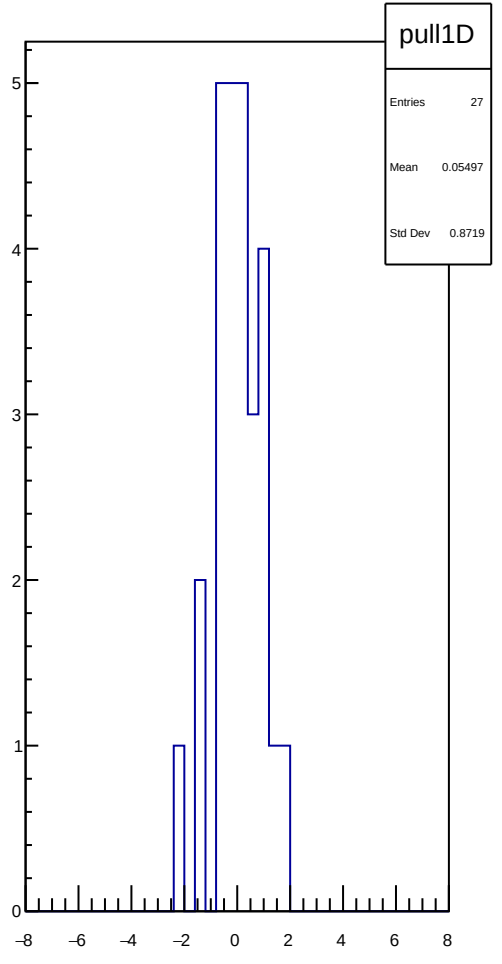

asym_at2_avg_eigen_dit_correction_rms vs run
χ² / ndf 4850 / 26
p0 7032 ± 9.825
9000
8500
8000
7500
7000
6500
6000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

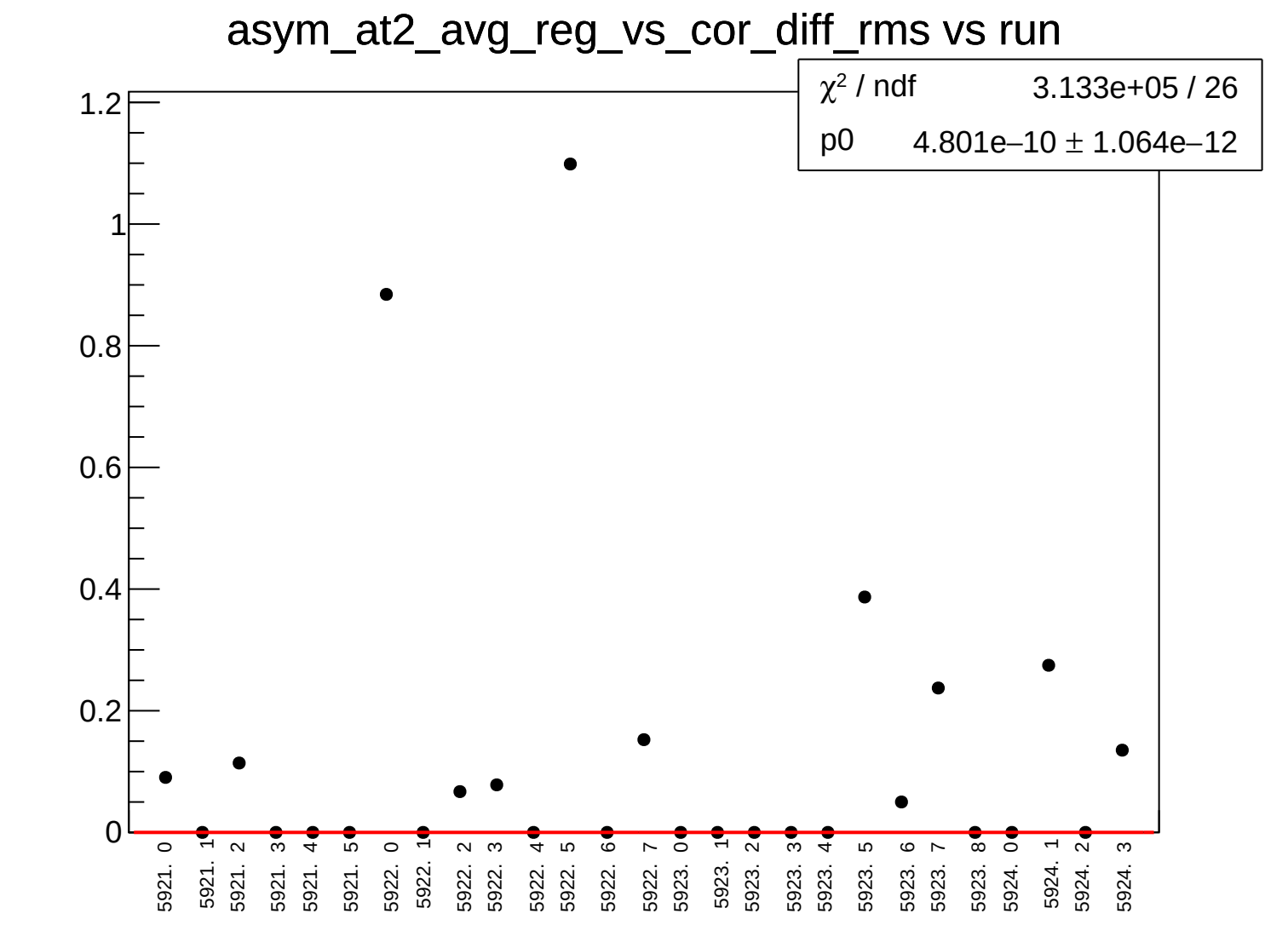

asym_at2_avg_mean vs run
×10^3
χ² / ndf 28.51 / 26
p0 −1.205e+04 ± 1.421e+04
300
200
100
0
−100
−200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −207.3
Std Dev 0
3
2
1
0
−1
−2

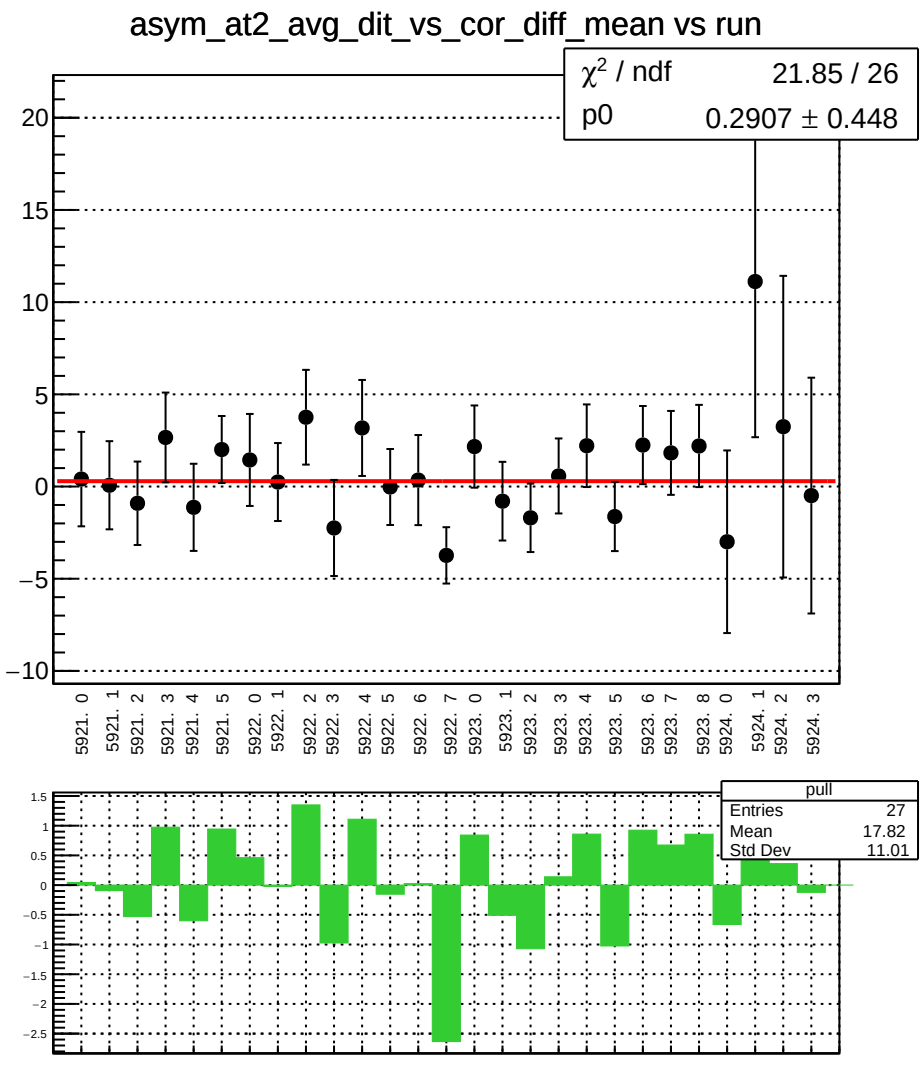

pull1D
Entries 27
Mean −0.005687
Std Dev 1.028
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

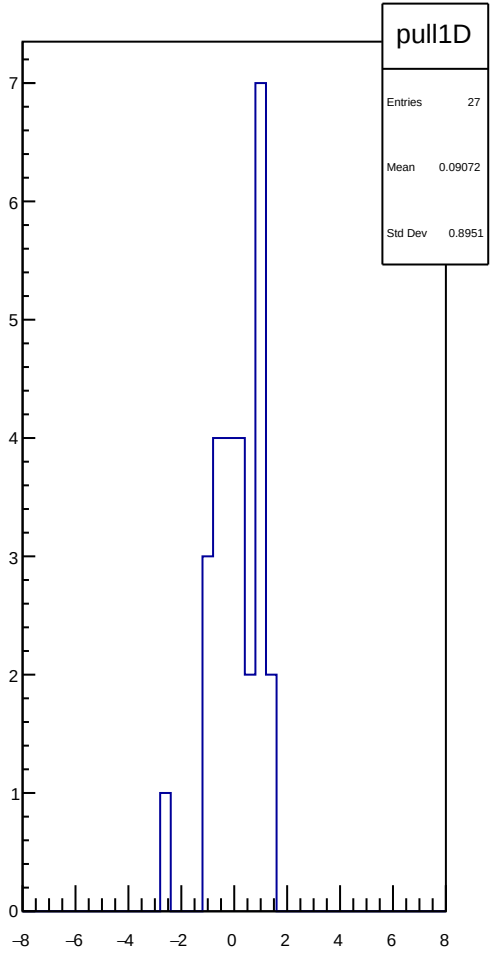

asym_at2_avg_rms vs run
χ² / ndf 2875 / 26
p0 7204 ± 10.05
8500
8000
7500
7000
6500
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

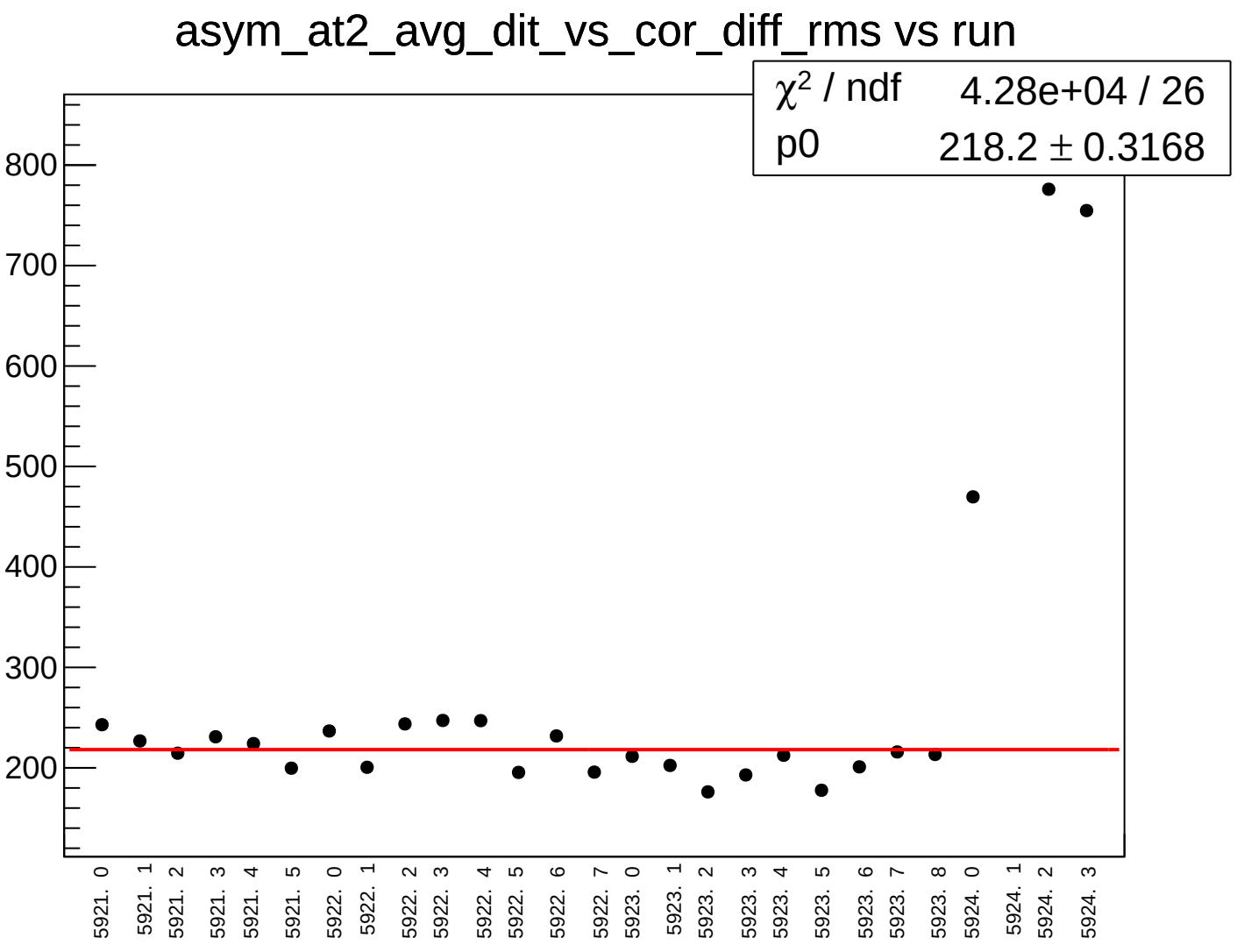

asym_at2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 20.61 / 26
p0 4.051e−12 ± 1.504e−12
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −12.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

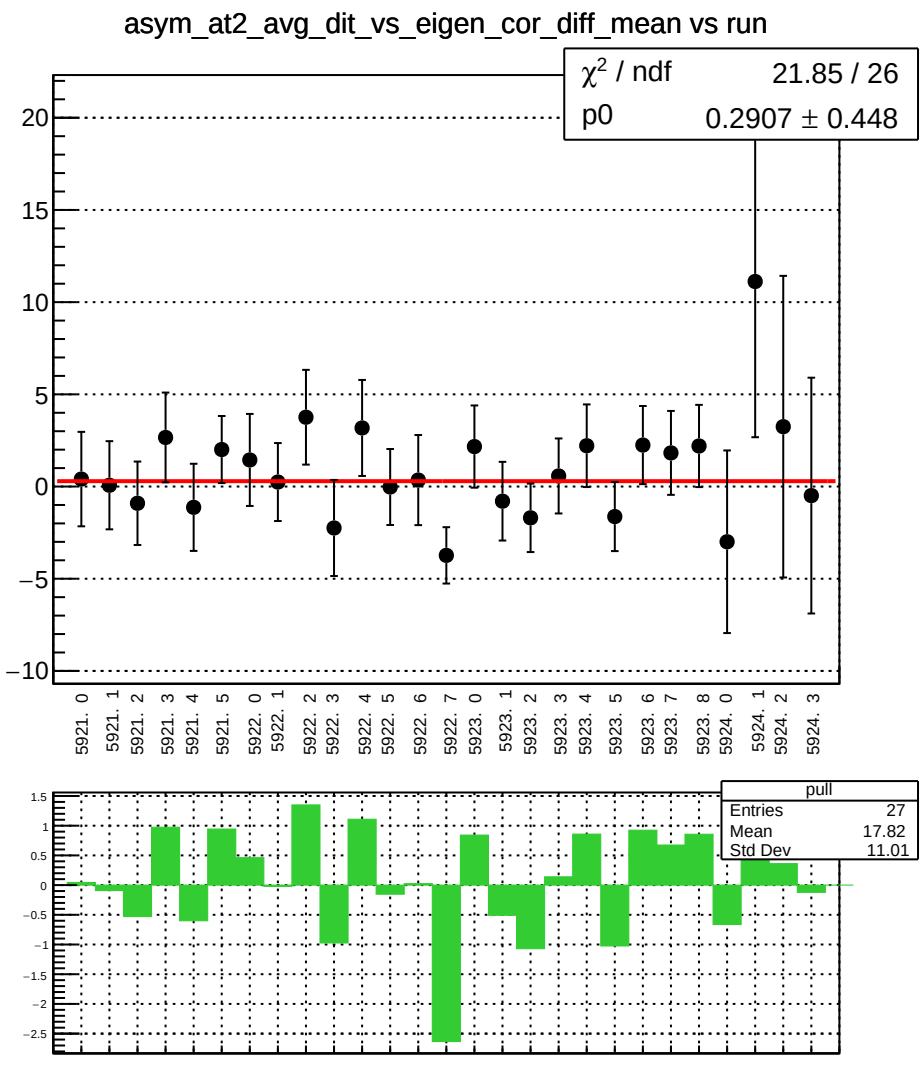

pull1D
Entries 27
Mean 0.05497
Std Dev 0.8719
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

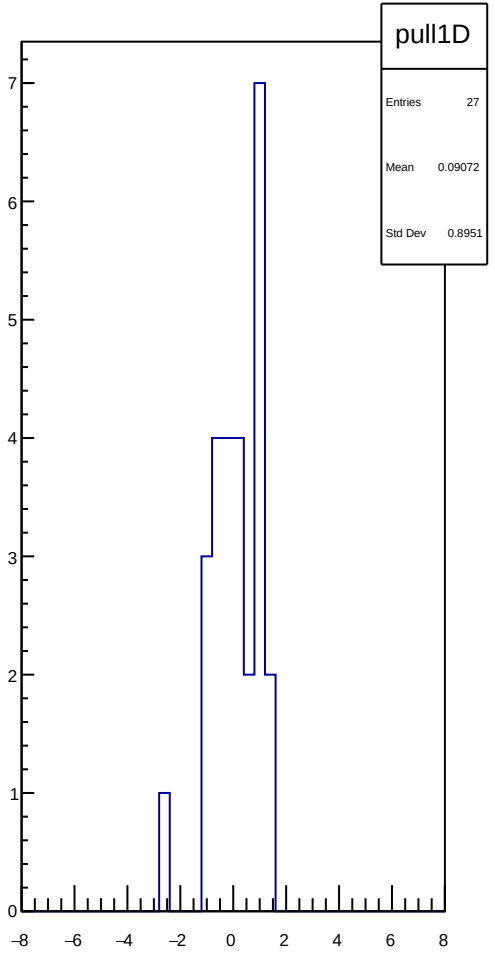

asym_at2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.133e+05 / 26
p0 4.801e−10 ± 1.064e−12
1.2
1
0.8
0.6
0.4
0.2
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

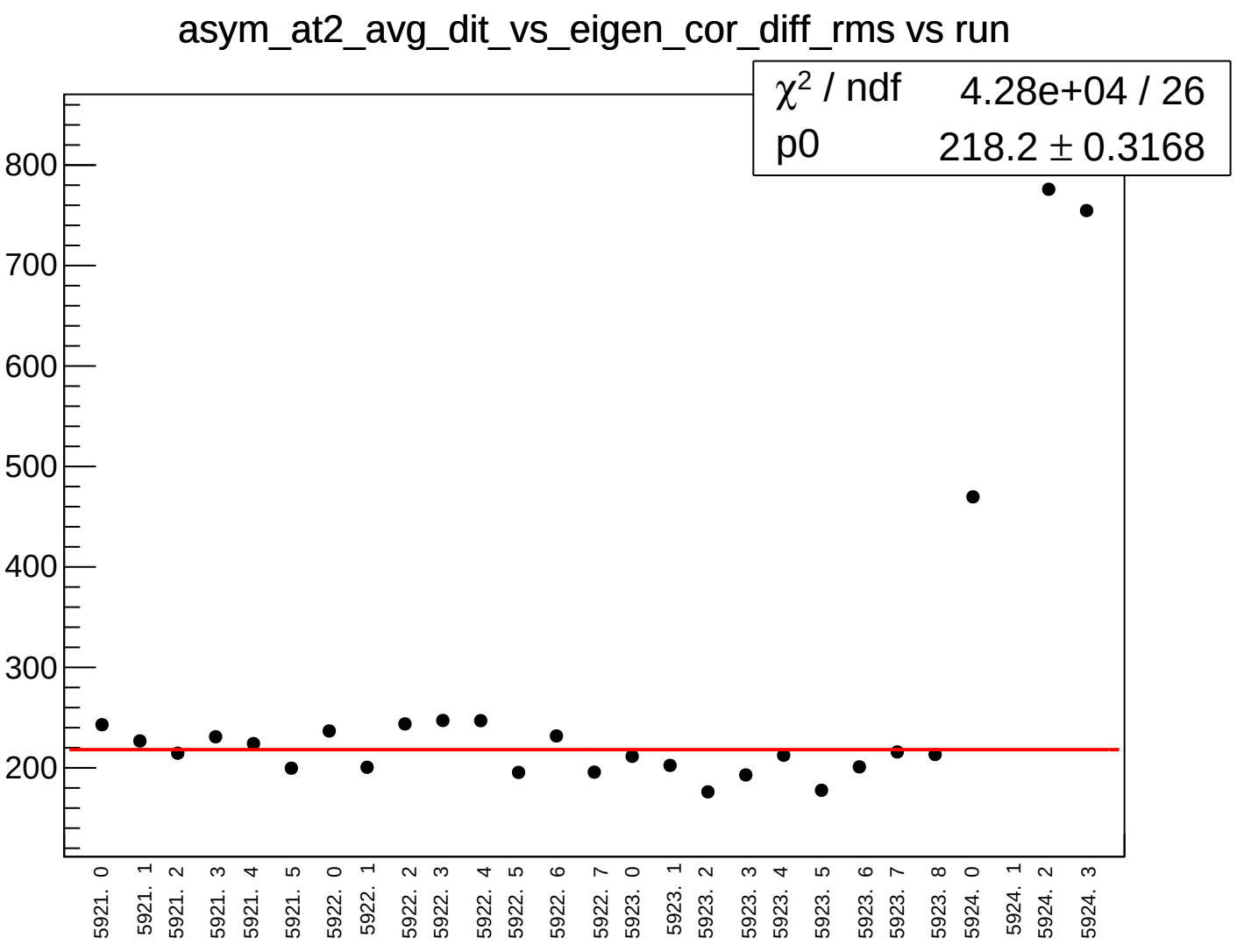

asym_at2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 21.85 / 26
p0 0.2907 ± 0.448
pull
Entries 27
Mean 17.82
Std Dev 11.01

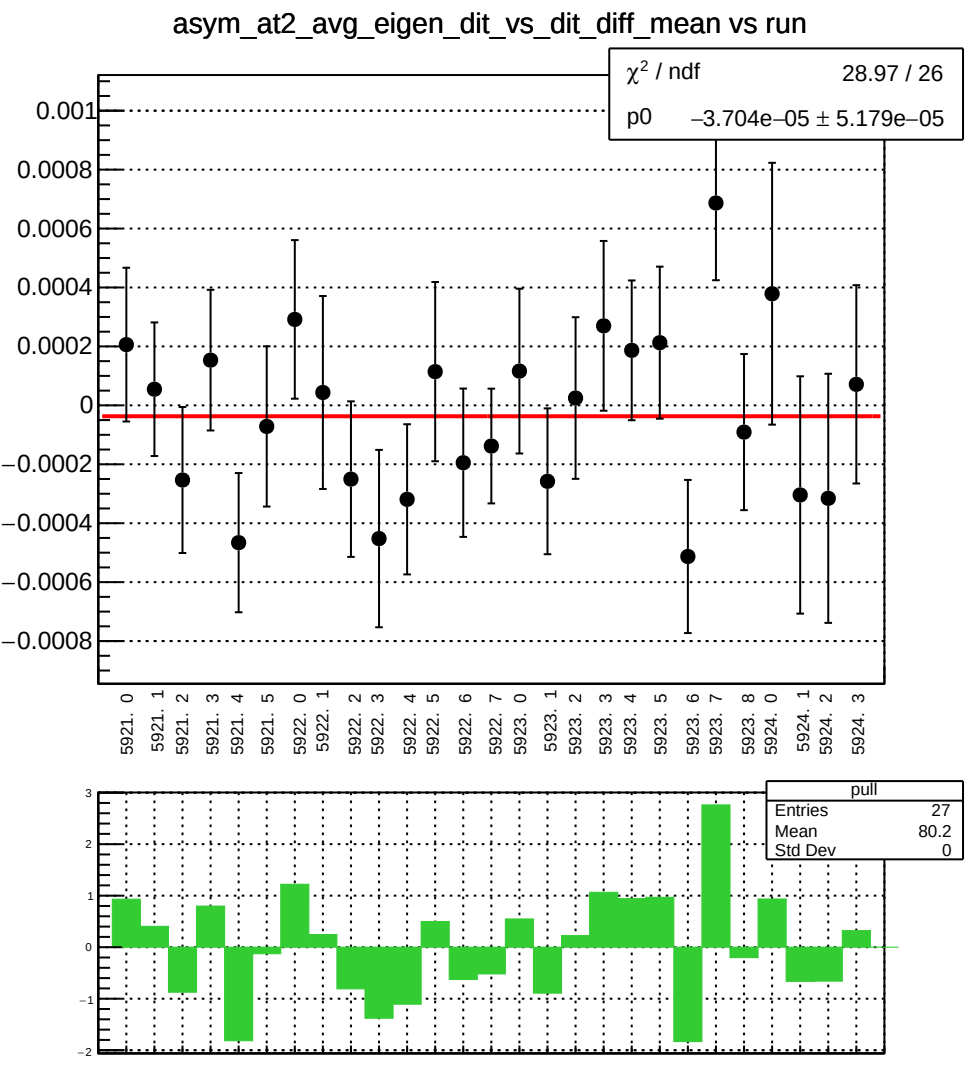

pull1D
Entries 27
Mean 0.09072
Std Dev 0.8951

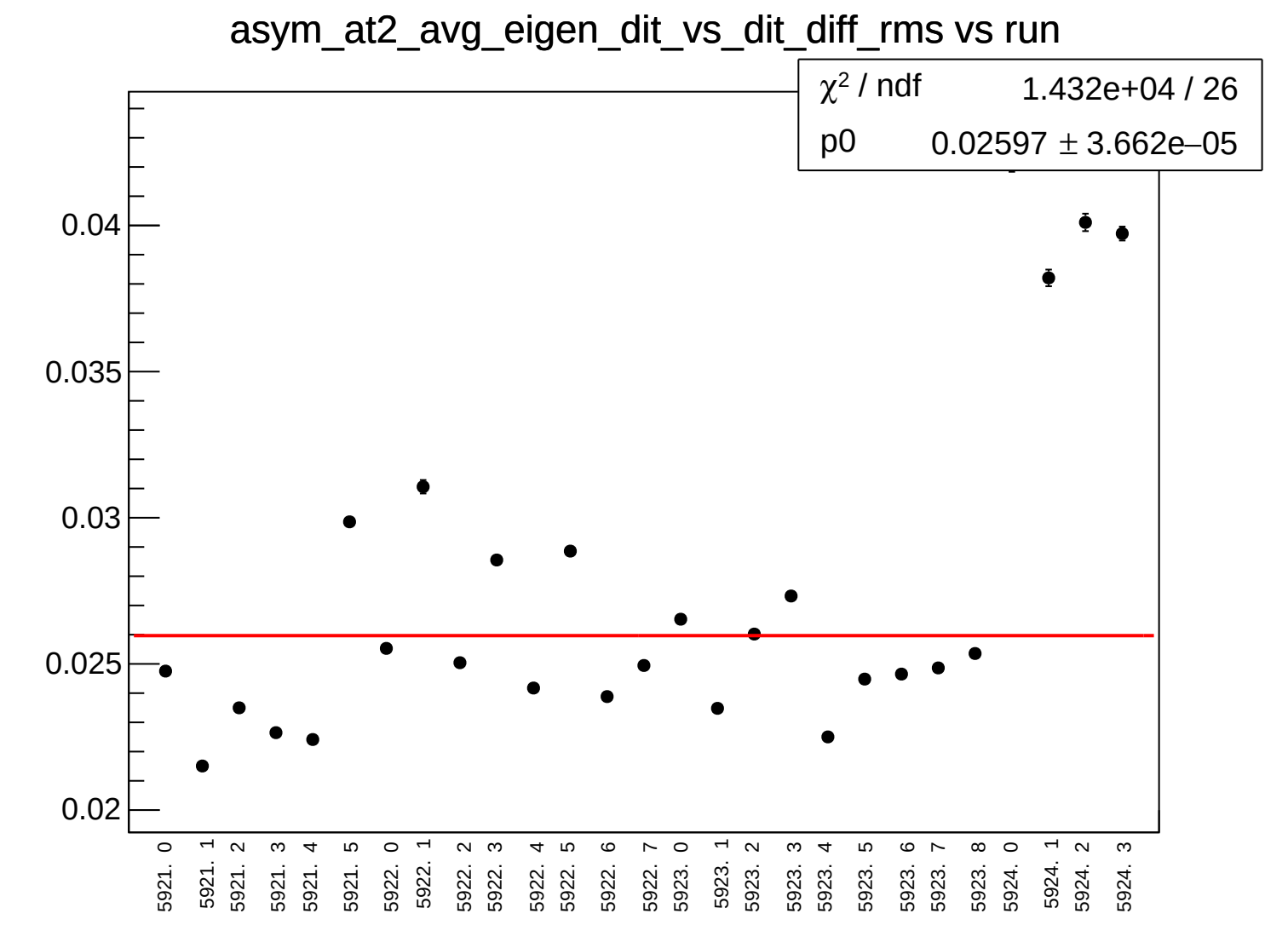

asym_at2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.28e+04 / 26
p0 218.2 ± 0.3168
800
700
600
500
400
300
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

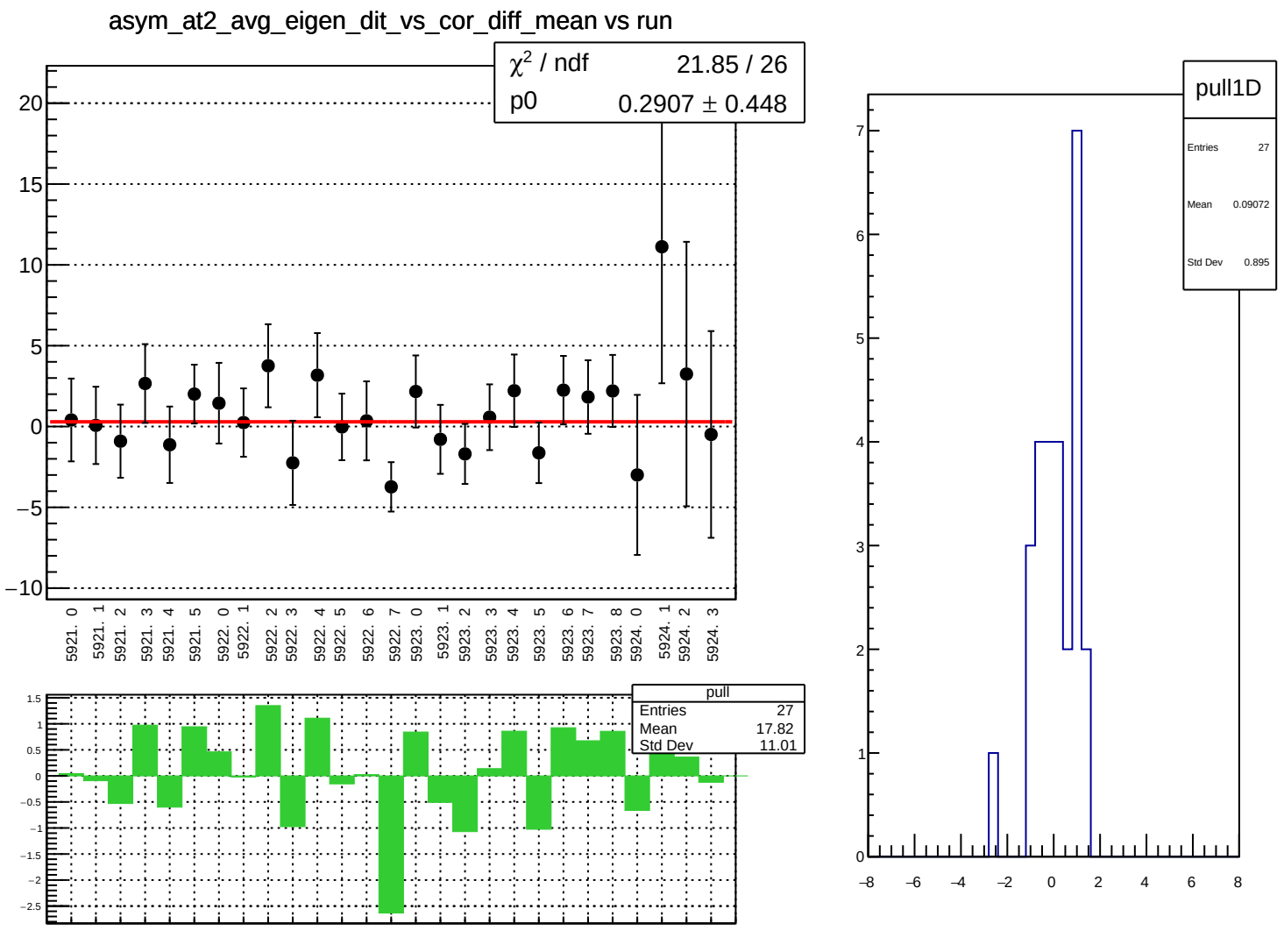

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 21.85 / 26
p0 0.2907 ± 0.448
pull
Entries 27
Mean 17.82
Std Dev 11.01

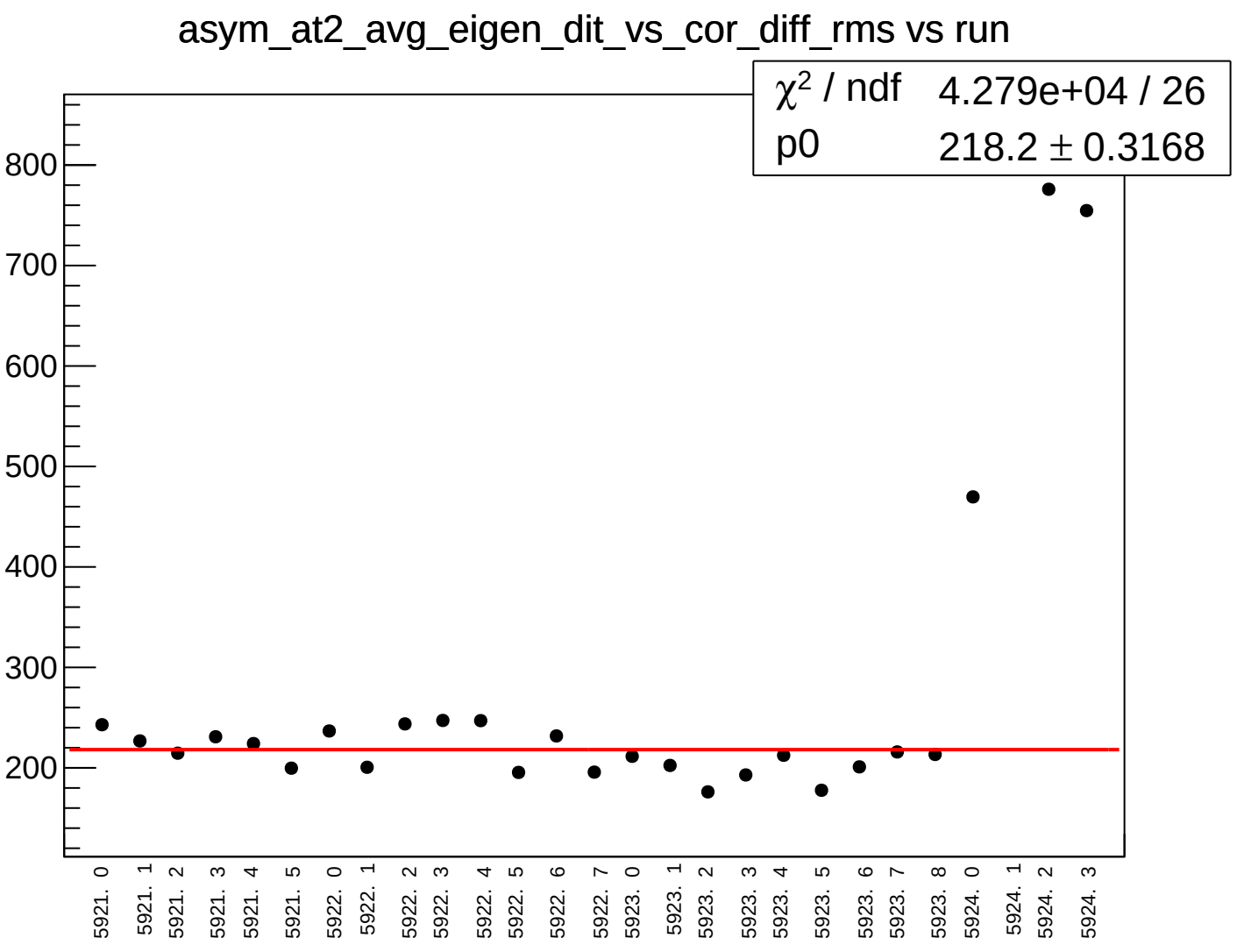

pull1D
Entries 27
Mean 0.09072
Std Dev 0.8951

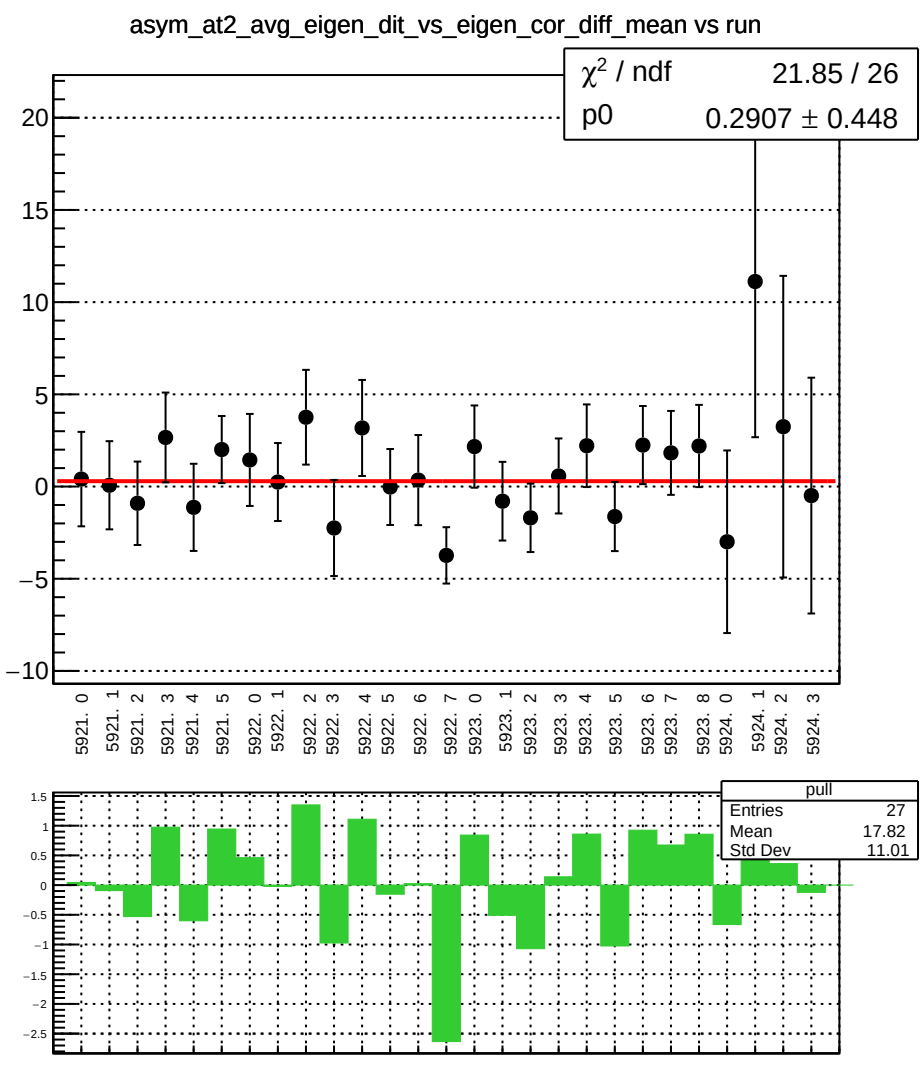

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.28e+04 / 26
p0 218.2 ± 0.3168
800
700
600
500
400
300
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

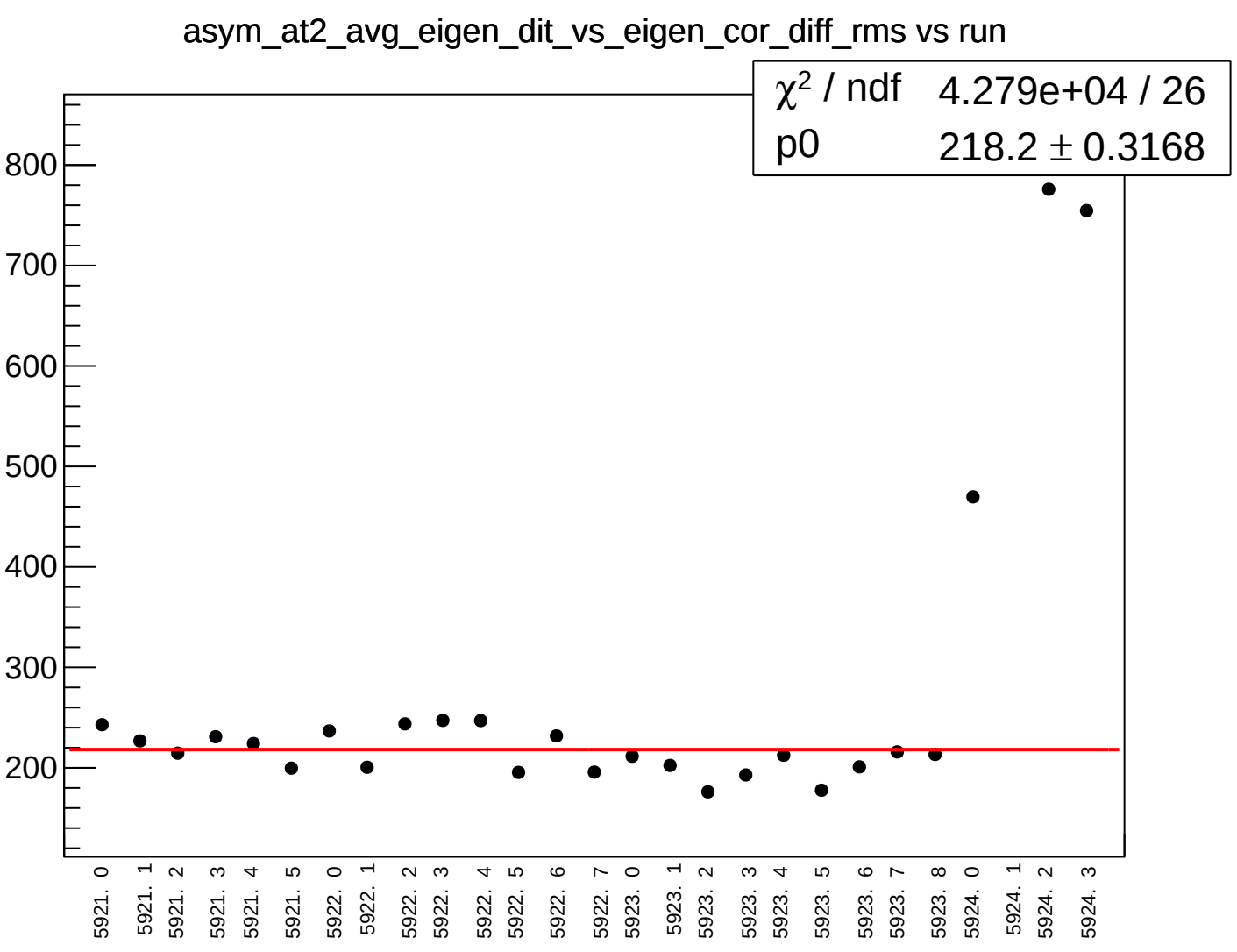

asym_at2_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 28.97 / 26
p0 −3.704e−05 ± 5.179e−05
0.001
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 80.2
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.01361
Std Dev 1.036
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

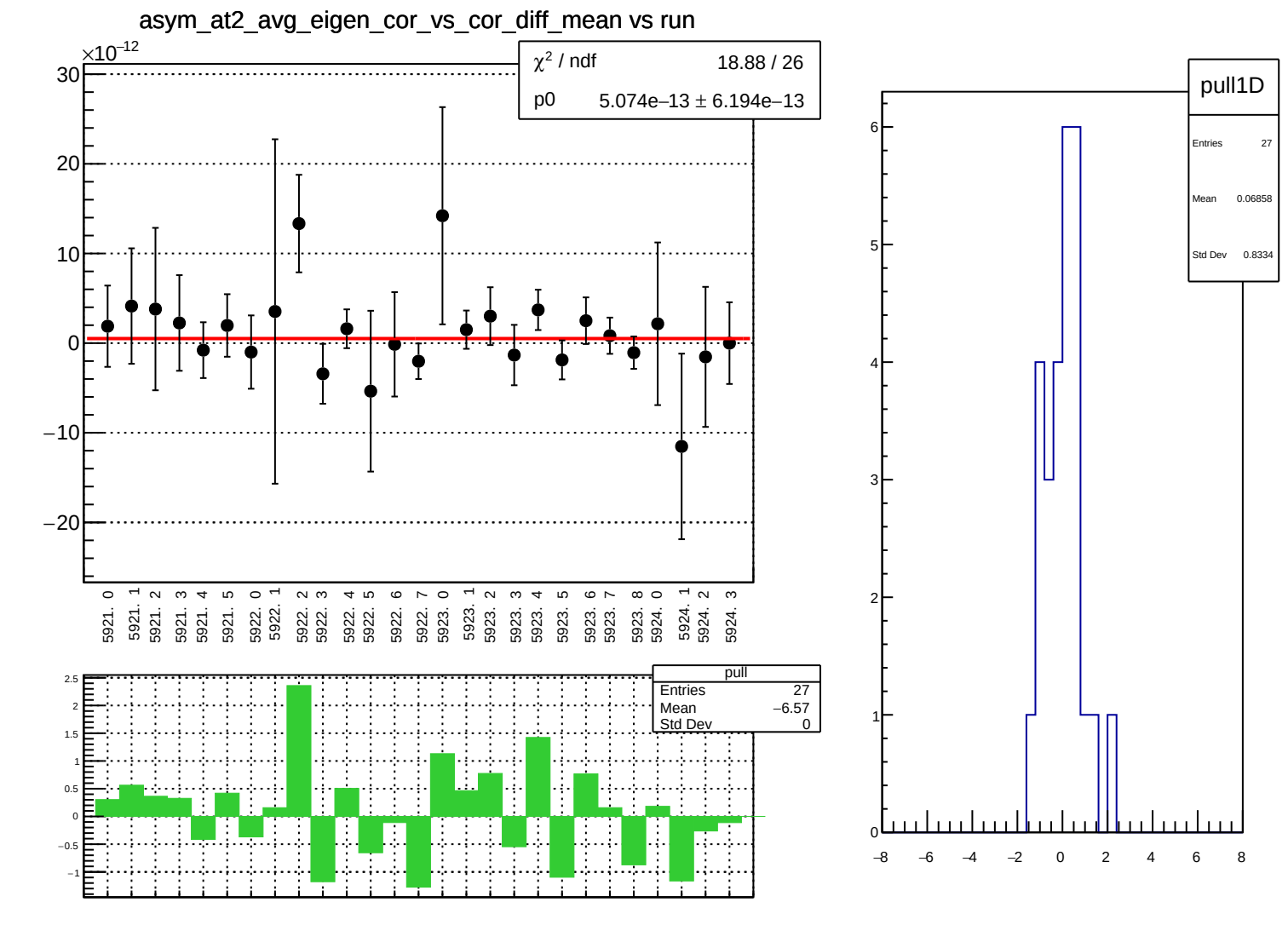

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.432e+04 / 26
p0 0.02597 ± 3.662e–05
0.04
0.035
0.03
0.025
0.02
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

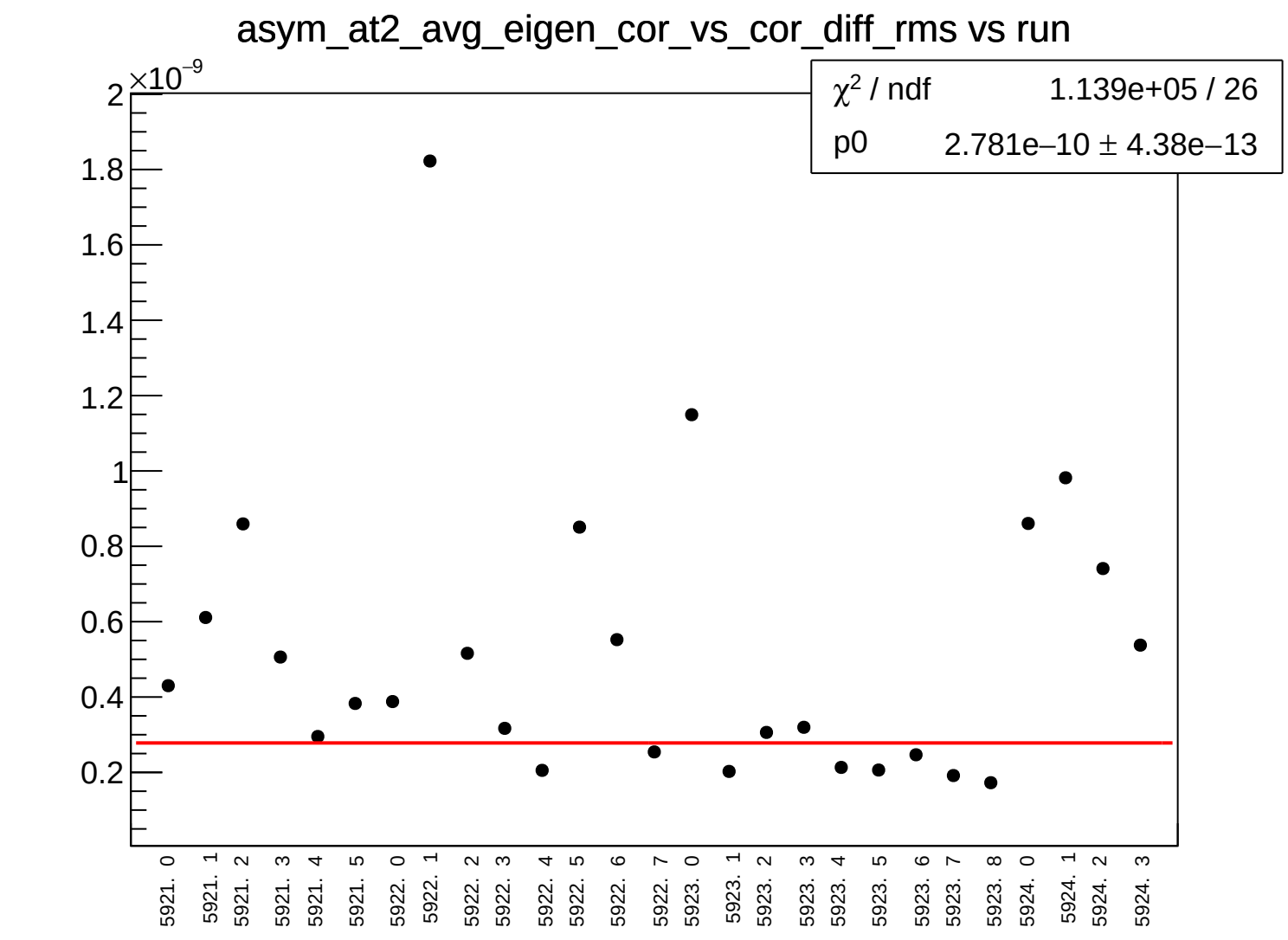

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 21.85 / 26
p0 0.2907 ± 0.448
pull
Entries 27
Mean 17.82
Std Dev 11.01
pull1D
Entries 27
Mean 0.09072
Std Dev 0.895

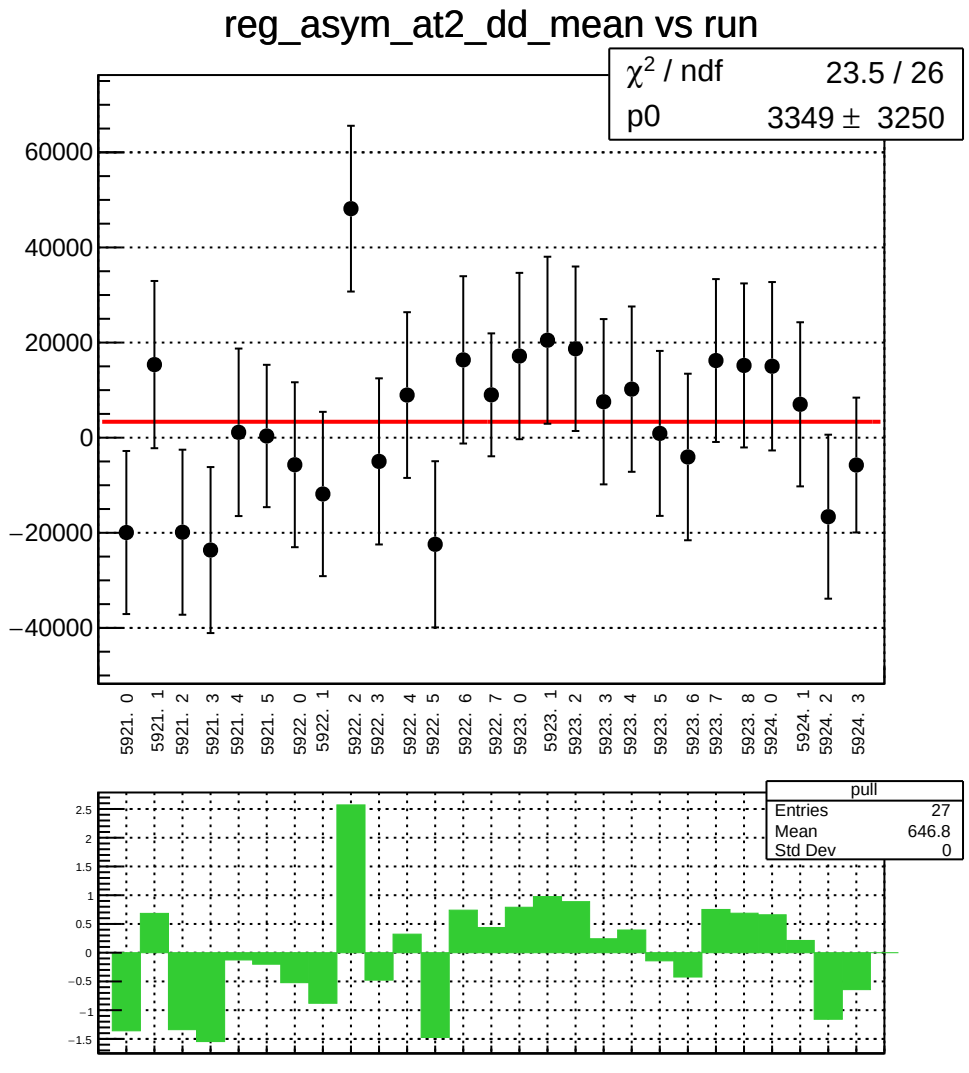

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.279e+04 / 26
p0 218.2 ± 0.3168
800
700
600
500
400
300
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

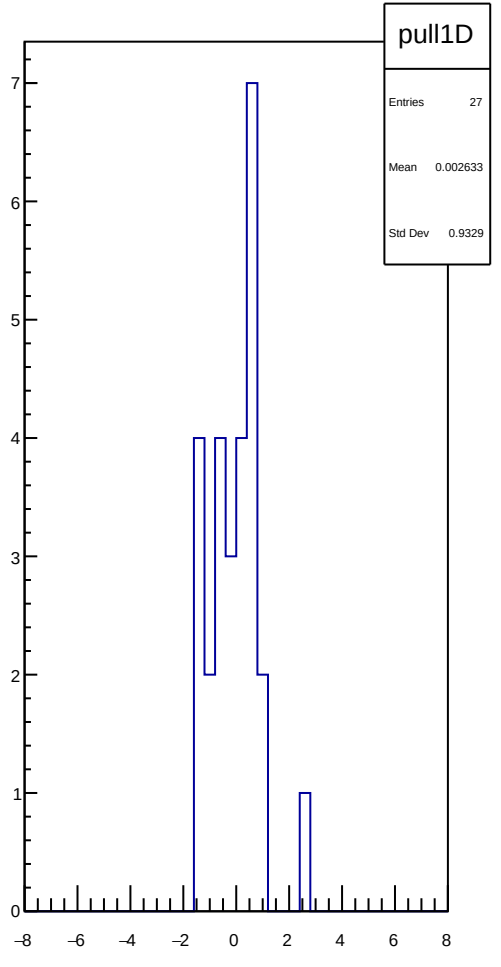

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 21.85 / 26
p0 0.2907 ± 0.448
20
15
10
5
0
−5
−10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 17.82
Std Dev 11.01
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean 0.09072
Std Dev 0.895
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

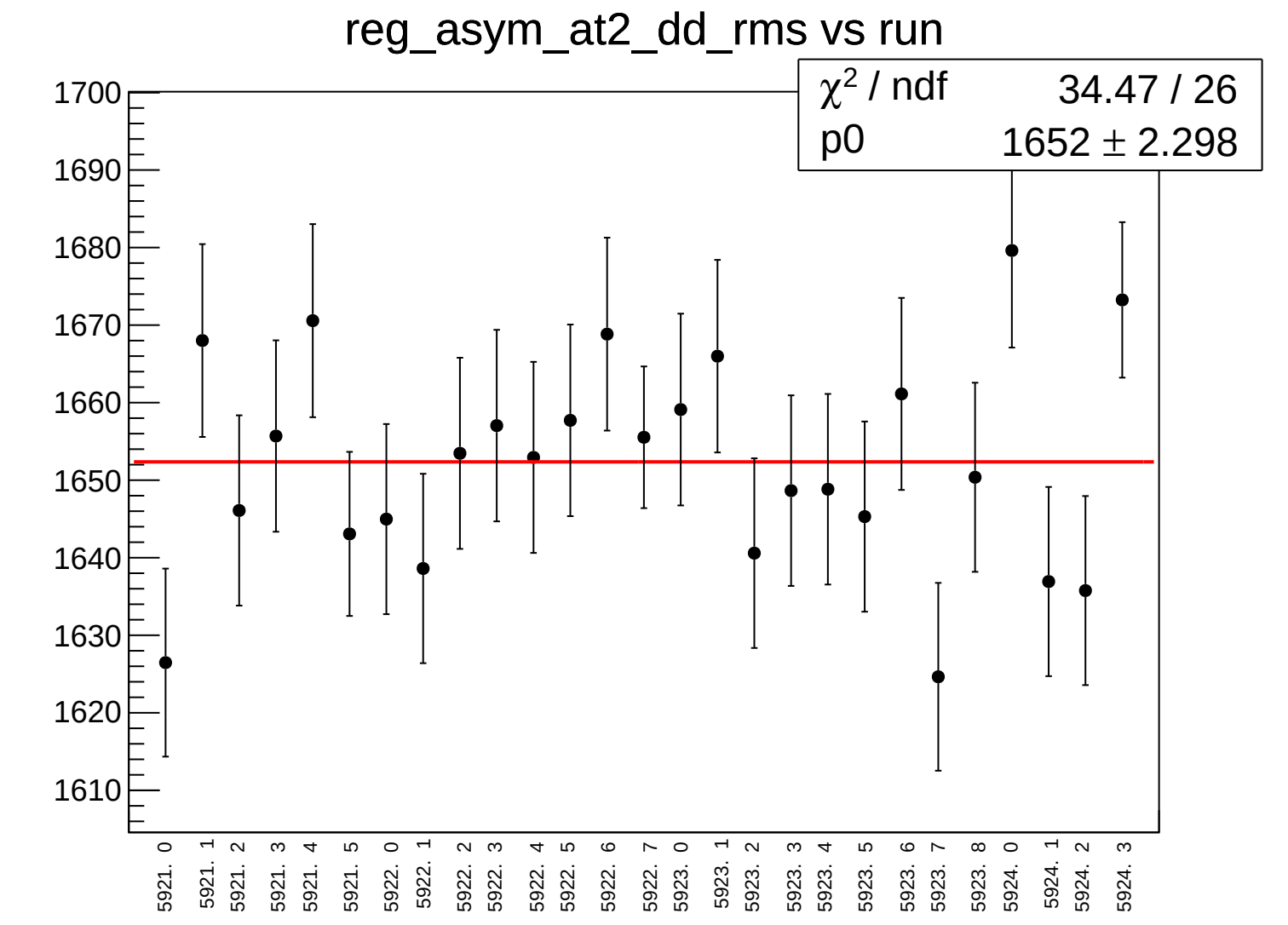

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.279e+04 / 26
p0 218.2 ± 0.3168
800
700
600
500
400
300
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

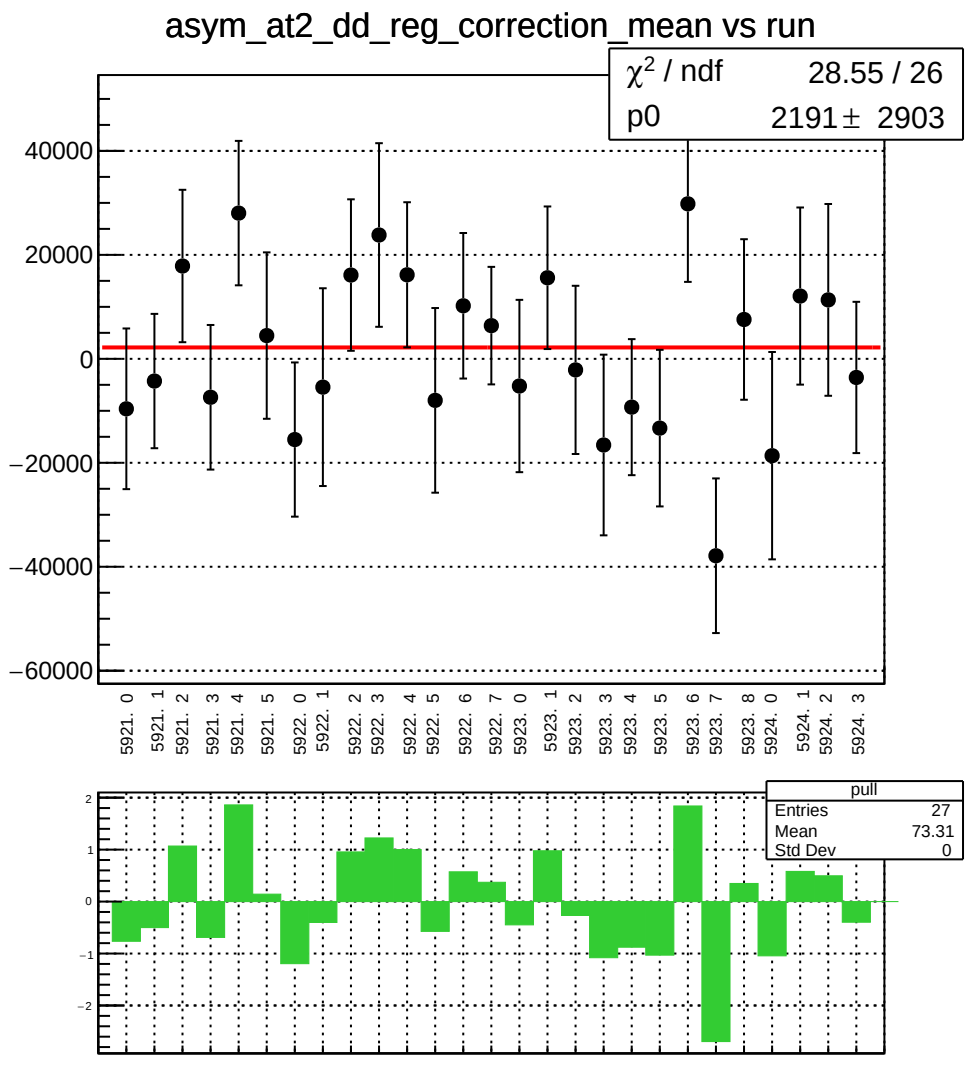

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 18.88 / 26
p0 5.074e−13 ± 6.194e−13
30
20
10
0
−10
−20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −6.57
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 27
Mean 0.06858
Std Dev 0.8334
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

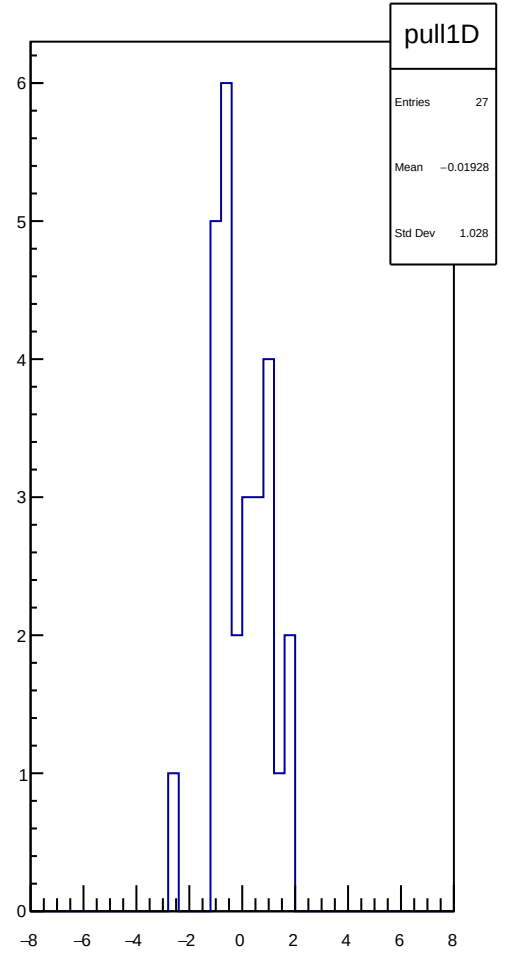

asym_at2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.139e+05 / 26
p0 2.781e−10 ± 4.38e−13
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

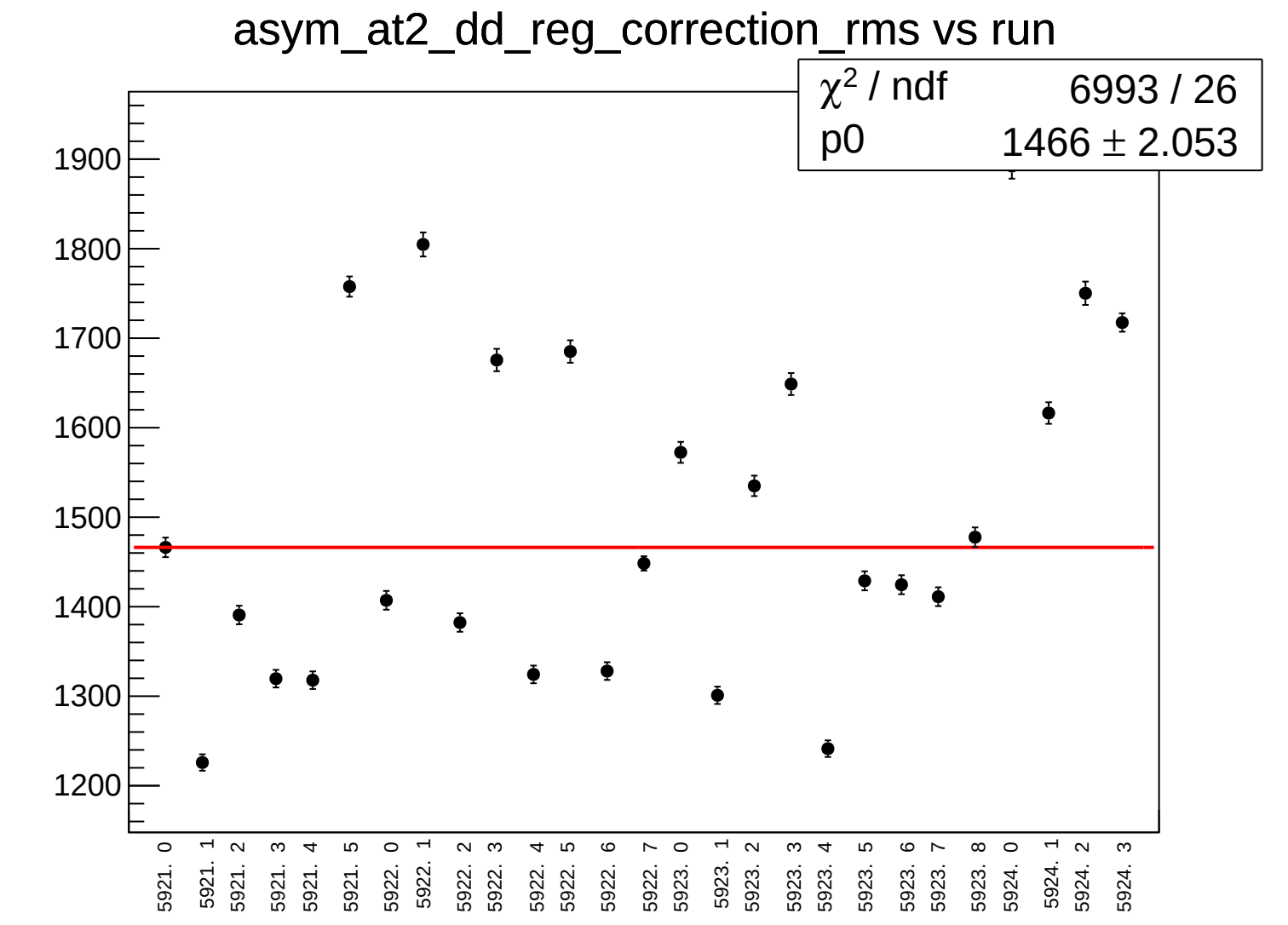

reg_asym_at2_dd_mean vs run
χ² / ndf 23.5 / 26
p0 3349 ± 3250
60000
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 646.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

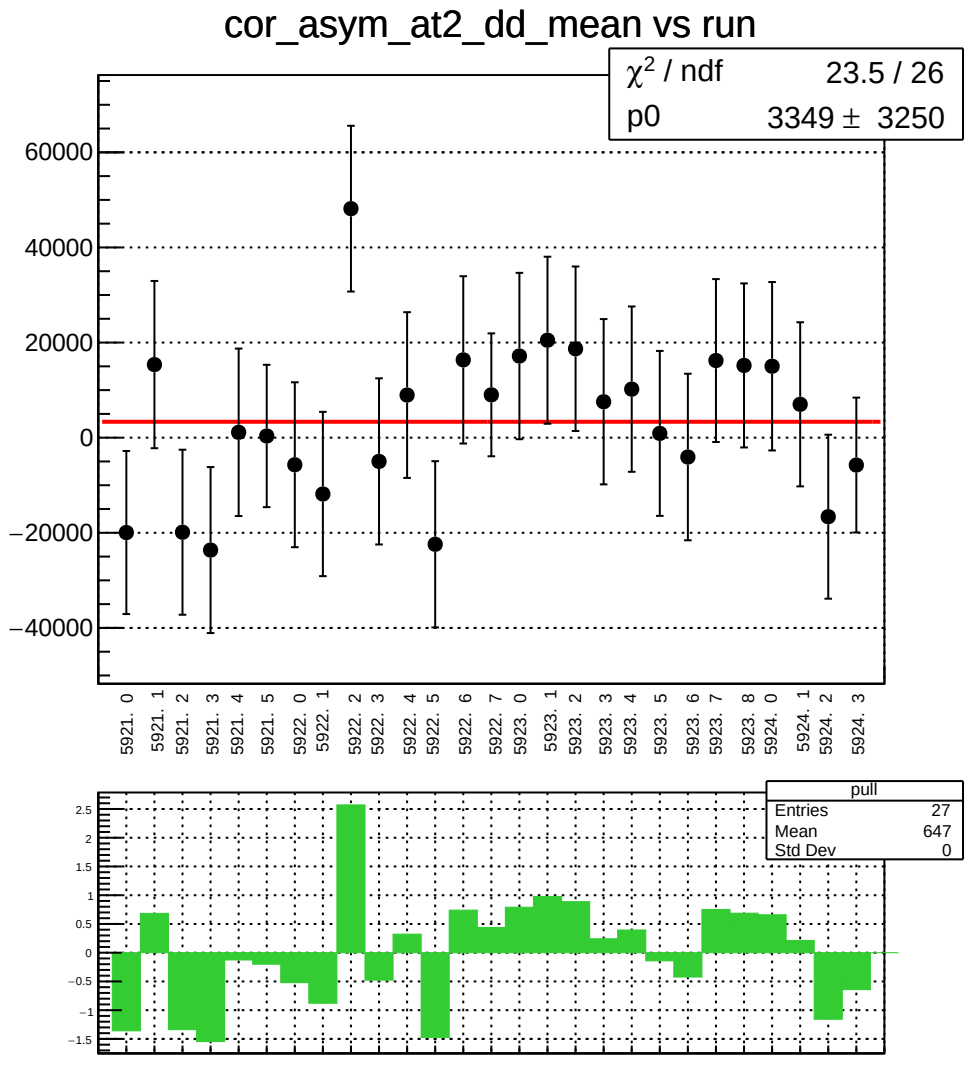

pull1D
Entries 27
Mean 0.002633
Std Dev 0.9329
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

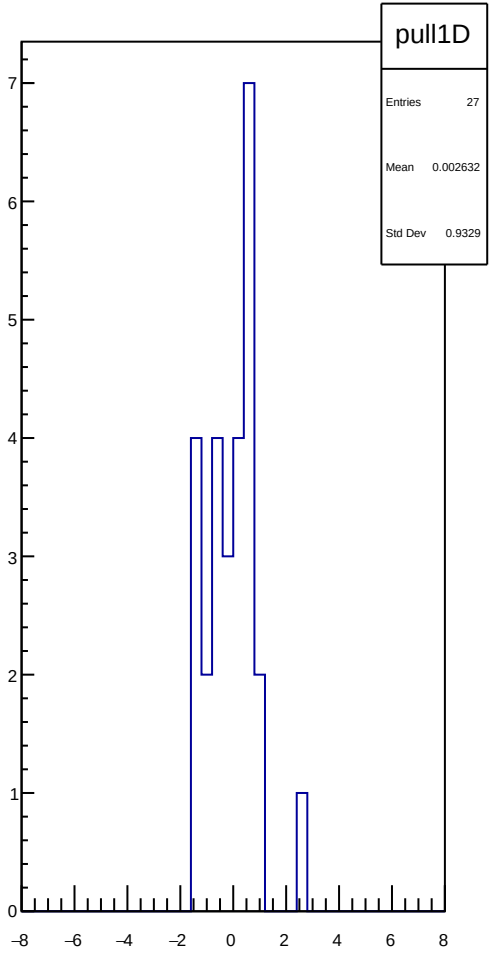

reg_asym_at2_dd_rms vs run
χ² / ndf 34.47 / 26
p0 1652 ± 2.298
1700
1690
1680
1670
1660
1650
1640
1630
1620
1610
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

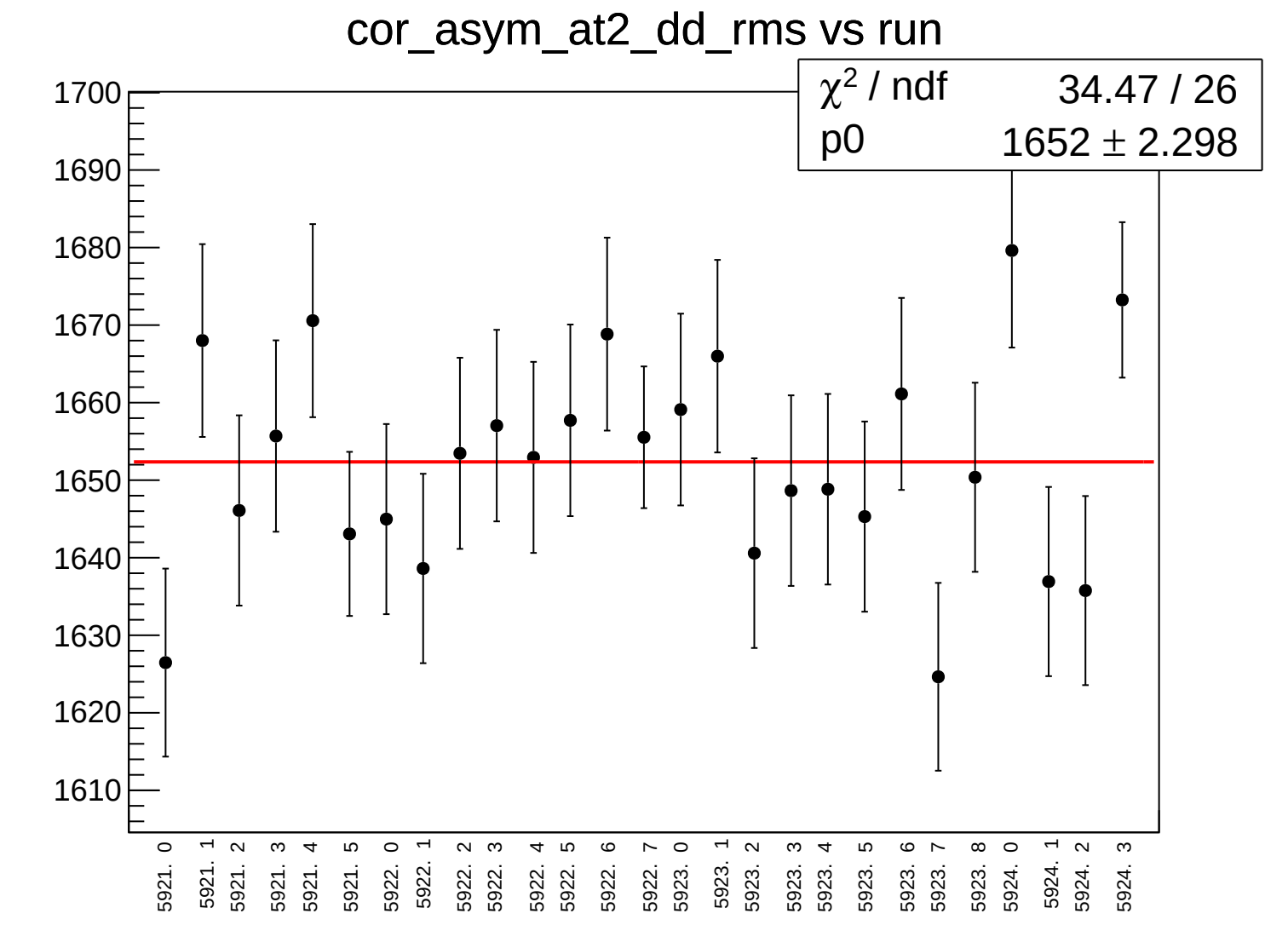

asym_at2_dd_reg_correction_mean vs run
χ² / ndf 28.55 / 26
p0 2191 ± 2903
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 73.31
Std Dev 0
2
1
0
−1
−2

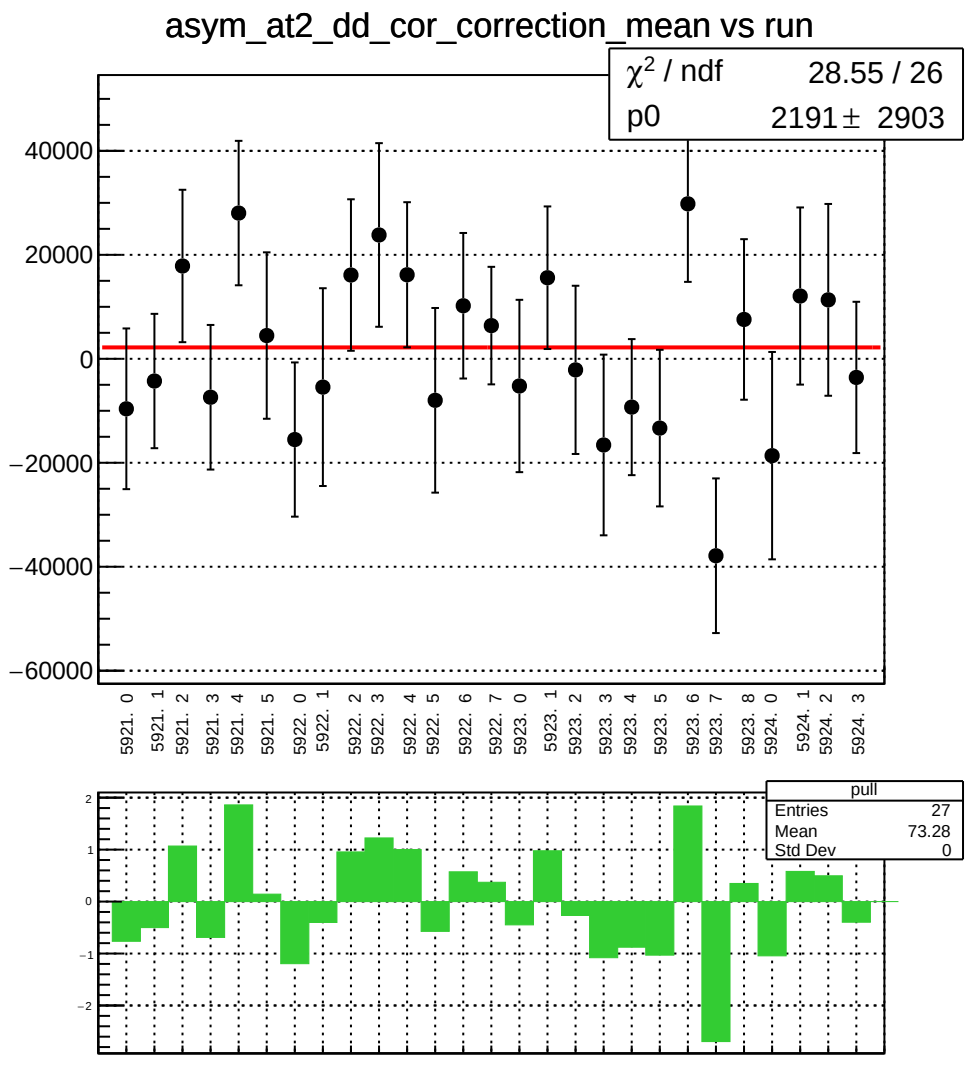

pull1D
Entries 27
Mean −0.01928
Std Dev 1.028
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

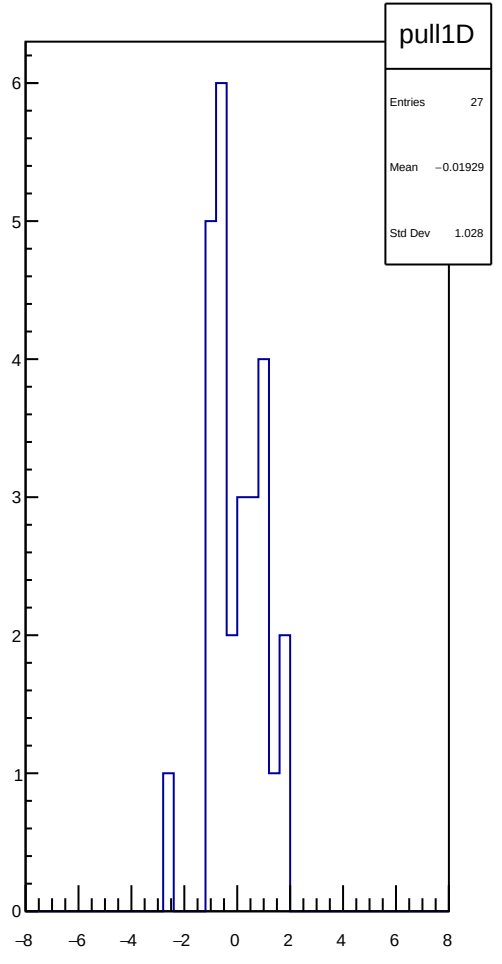

asym_at2_dd_reg_correction_rms vs run
χ² / ndf 6993 / 26
p0 1466 ± 2.053
1900
1800
1700
1600
1500
1400
1300
1200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

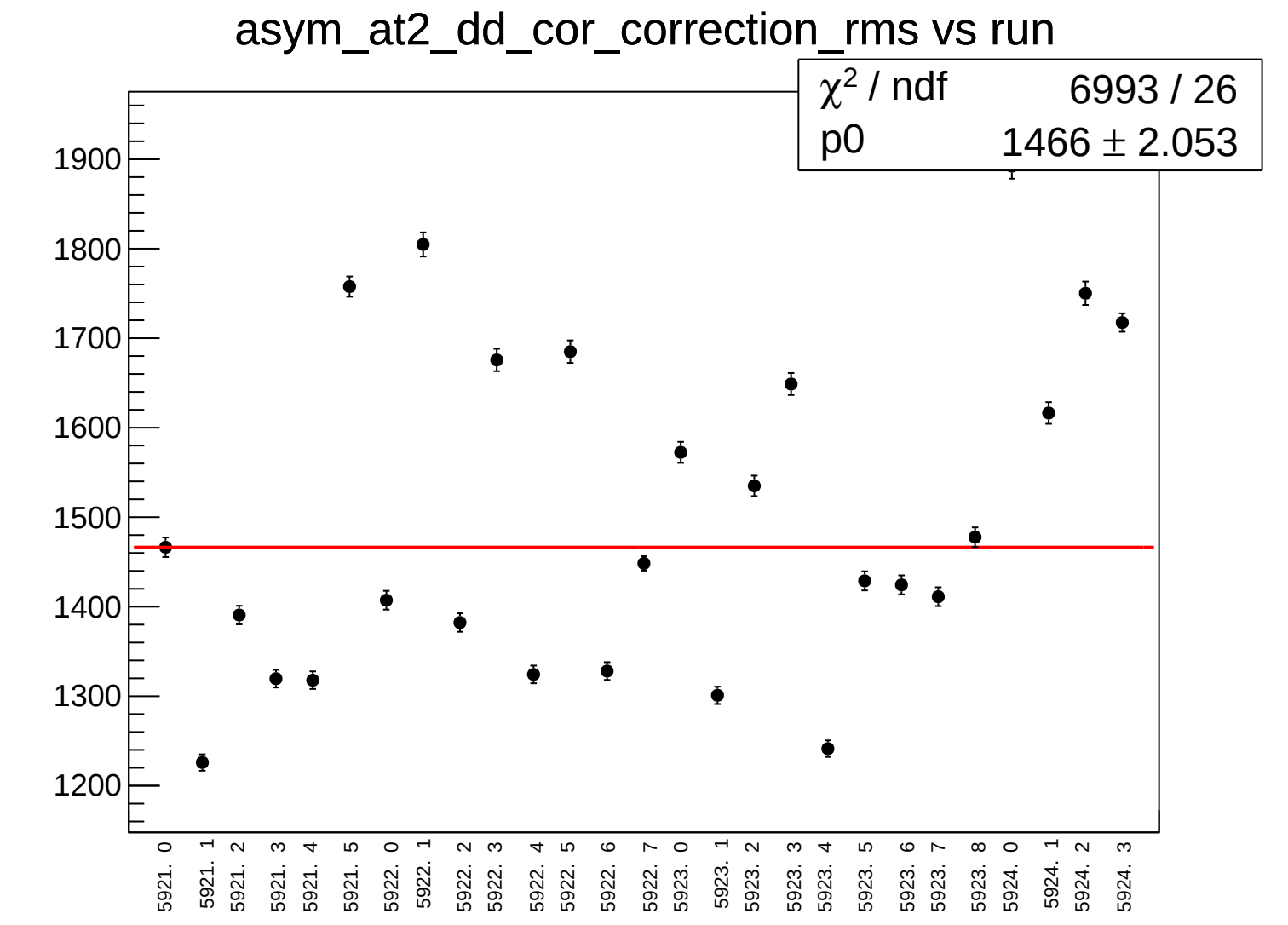

cor_asym_at2_dd_mean vs run
χ² / ndf 23.5 / 26
p0 3349 ± 3250
60000
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 647
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

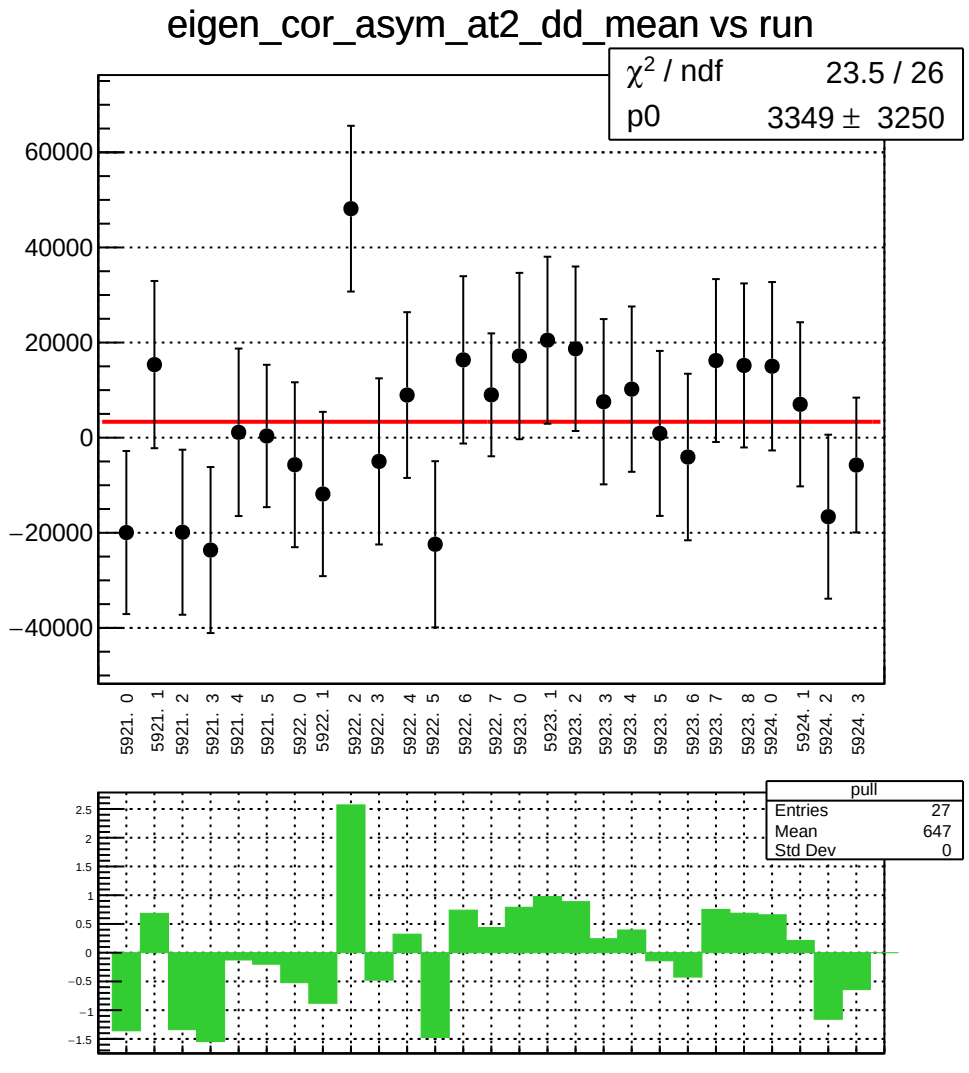

pull1D
Entries 27
Mean 0.002632
Std Dev 0.9329
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

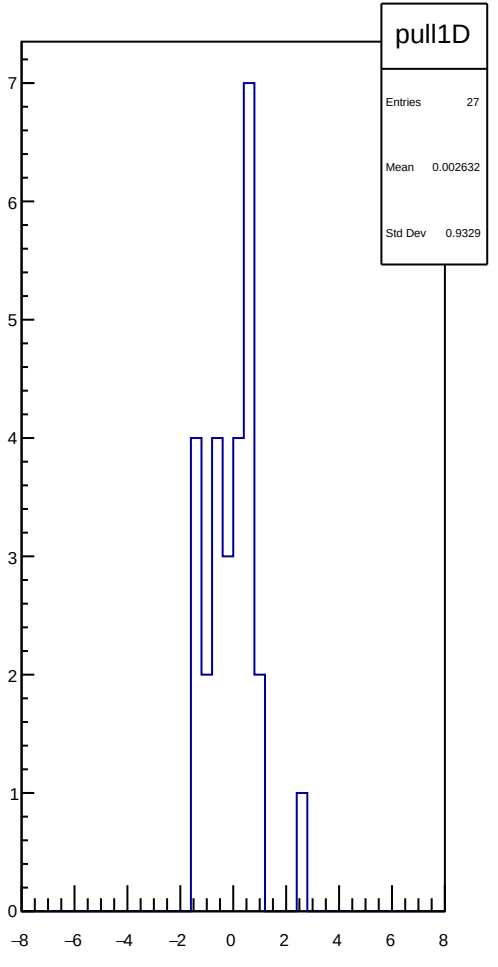

cor_asym_at2_dd_rms vs run
χ² / ndf 34.47 / 26
p0 1652 ± 2.298
1700
1690
1680
1670
1660
1650
1640
1630
1620
1610
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

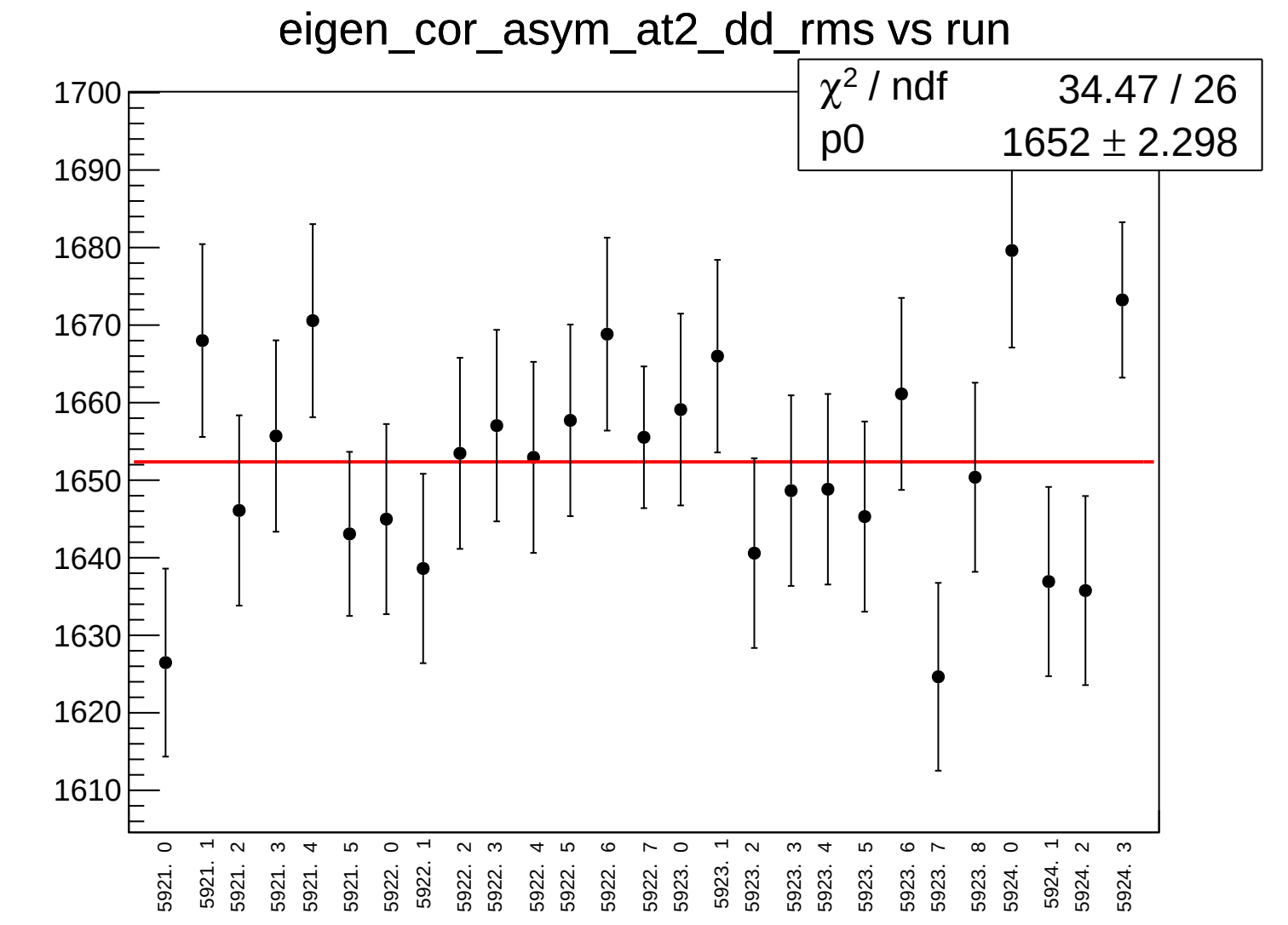

asym_at2_dd_cor_correction_mean vs run
χ² / ndf 28.55 / 26
p0 2191 ± 2903
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 73.28
Std Dev 0
2
1
0
−1
−2

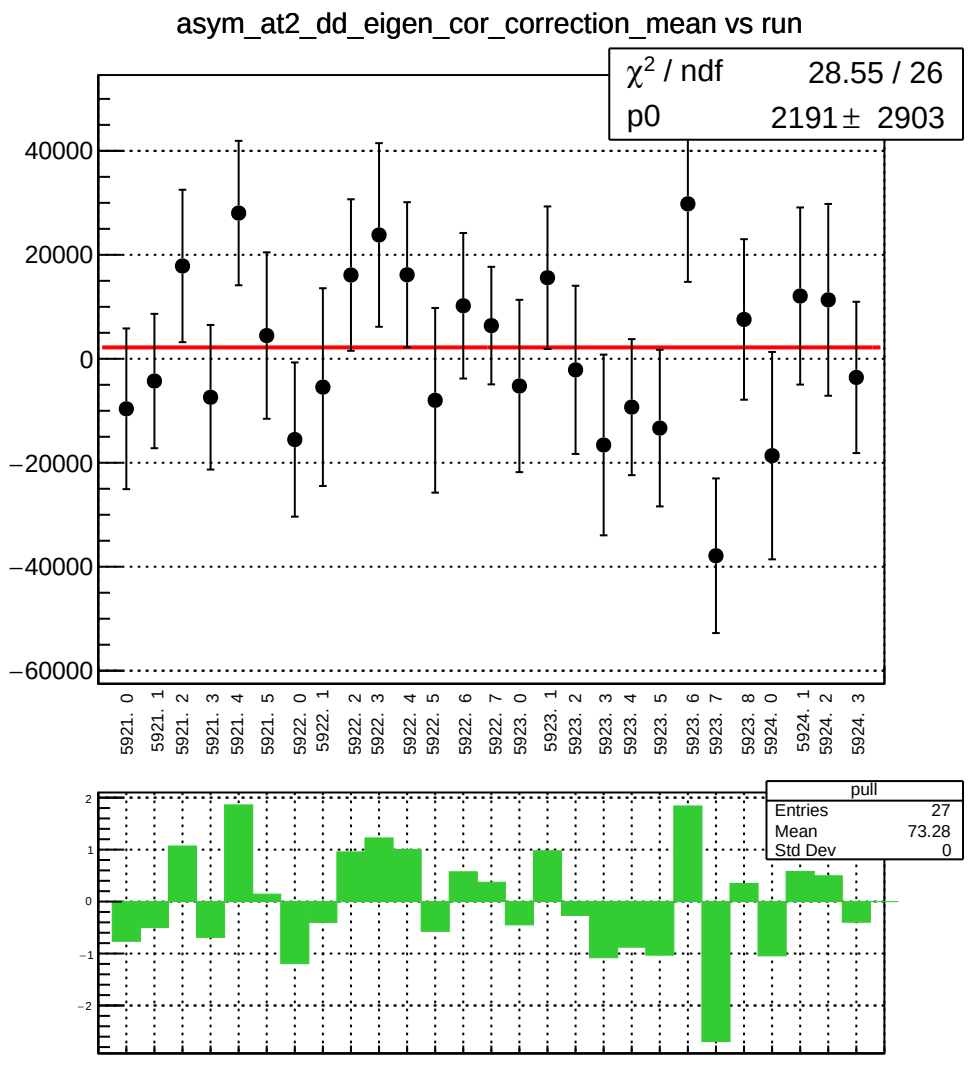

pull1D
Entries 27
Mean −0.01929
Std Dev 1.028
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

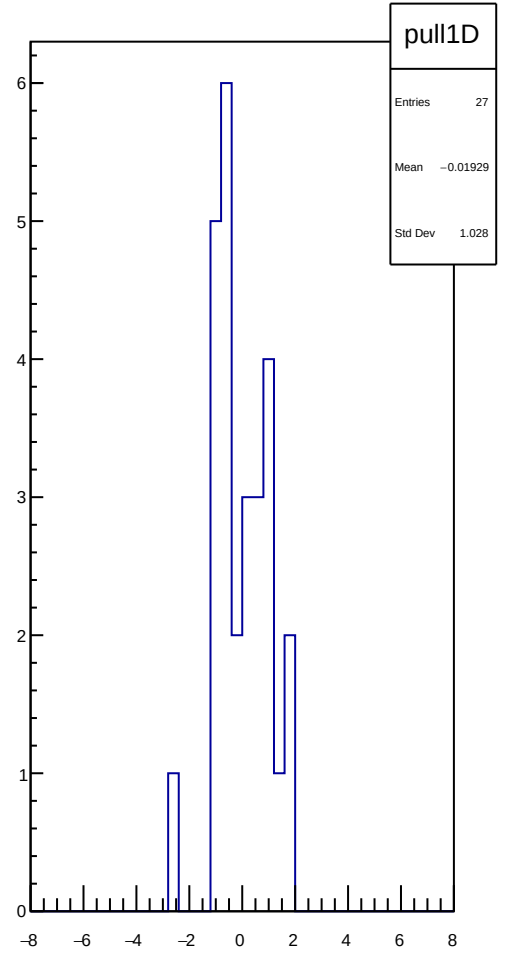

asym_at2_dd_cor_correction_rms vs run
χ² / ndf 6993 / 26
p0 1466 ± 2.053
1900
1800
1700
1600
1500
1400
1300
1200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

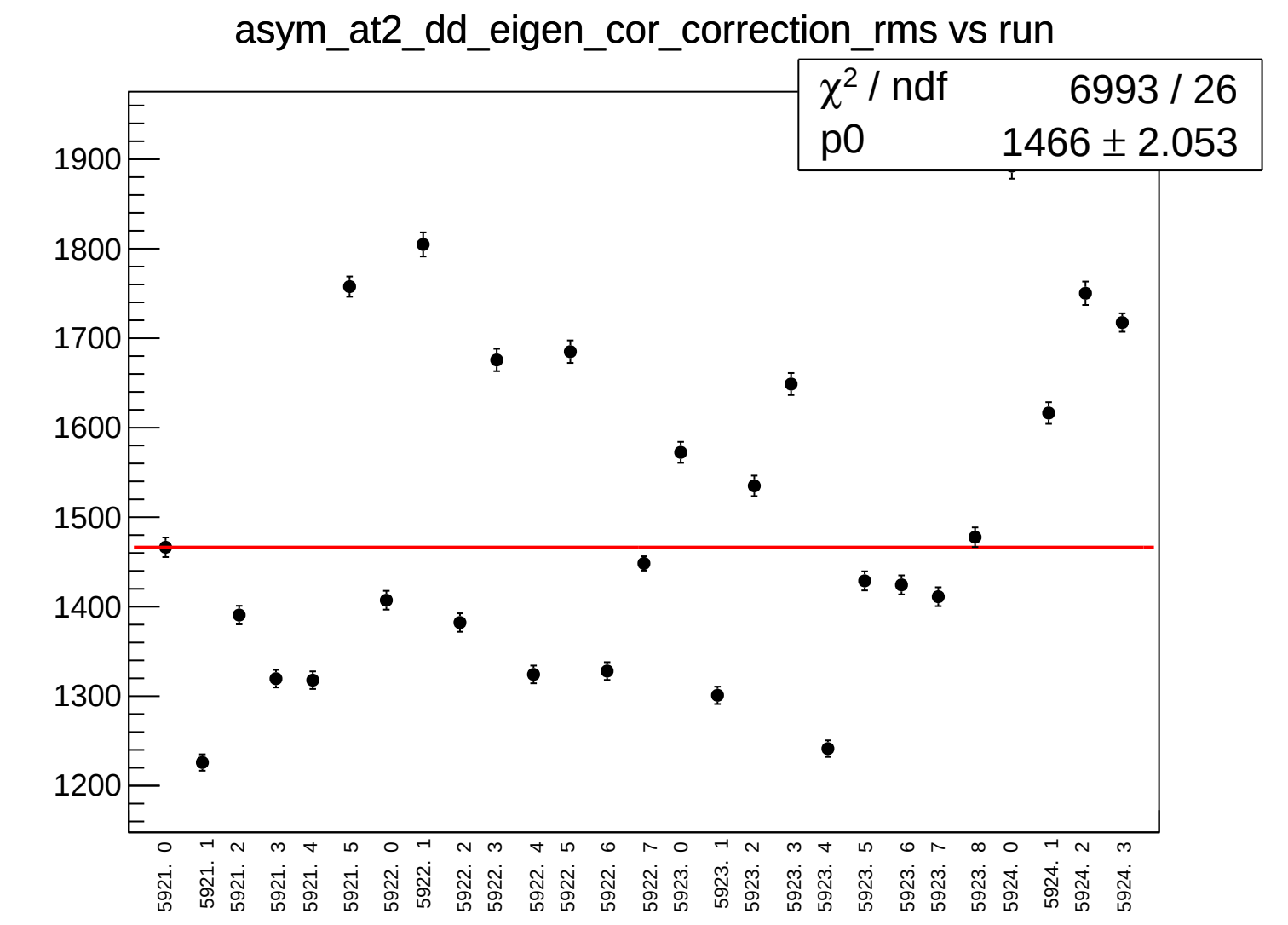

eigen_cor_asym_at2_dd_mean vs run
χ² / ndf 23.5 / 26
p0 3349 ± 3250
60000
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 647
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

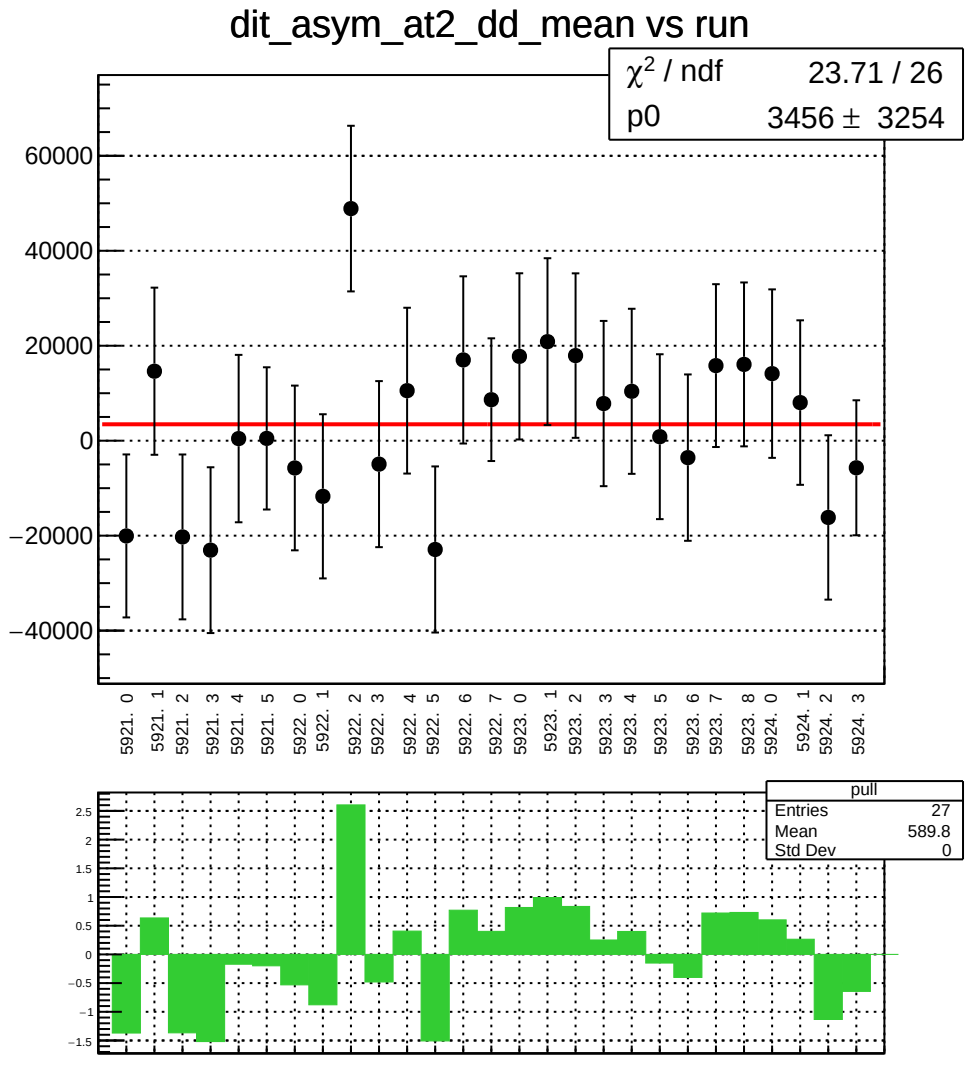

pull1D
Entries 27
Mean 0.002632
Std Dev 0.9329
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

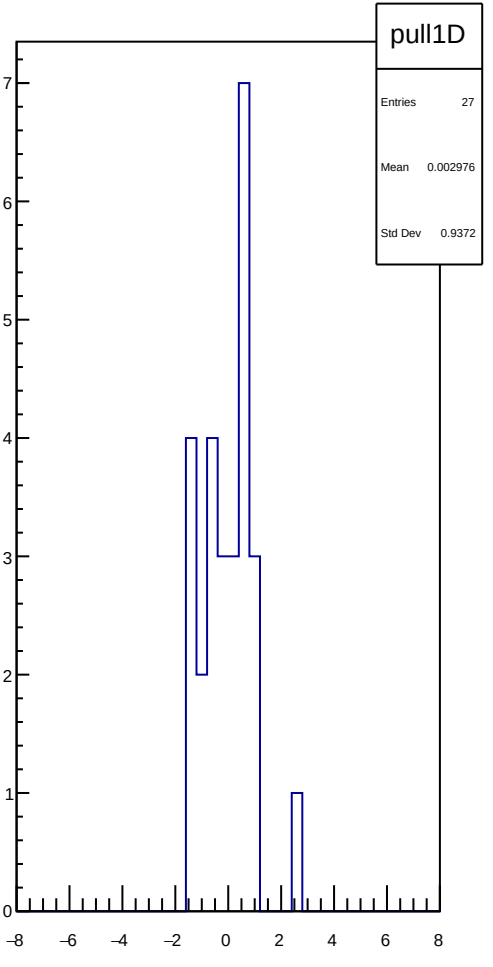

eigen_cor_asym_at2_dd_rms vs run
χ² / ndf 34.47 / 26
p0 1652 ± 2.298
1700
1690
1680
1670
1660
1650
1640
1630
1620
1610
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

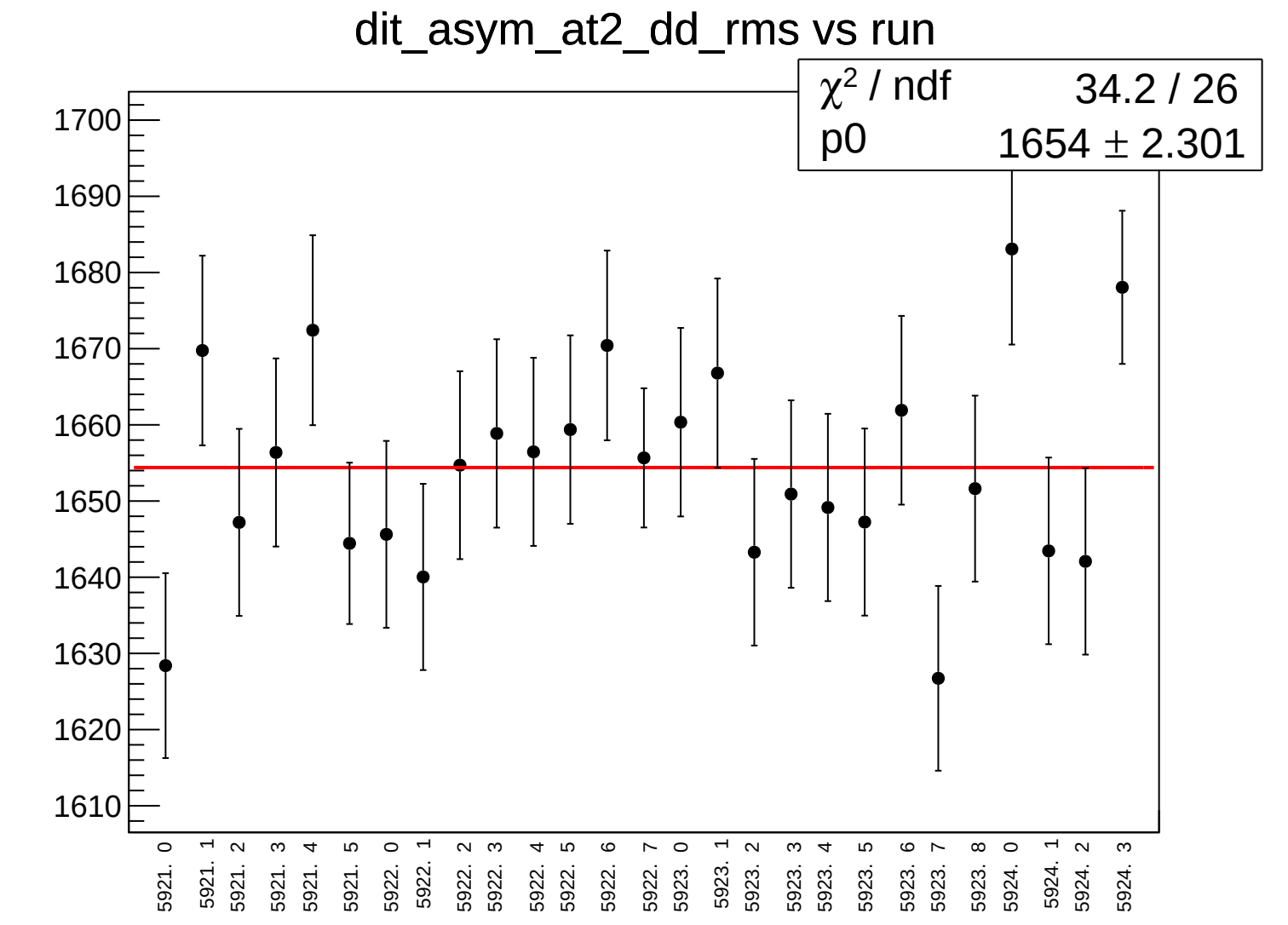

asym_at2_dd_eigen_cor_correction_mean vs run
χ² / ndf 28.55 / 26
p0 2191 ± 2903
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 73.28
Std Dev 0
2
1
0
−1
−2

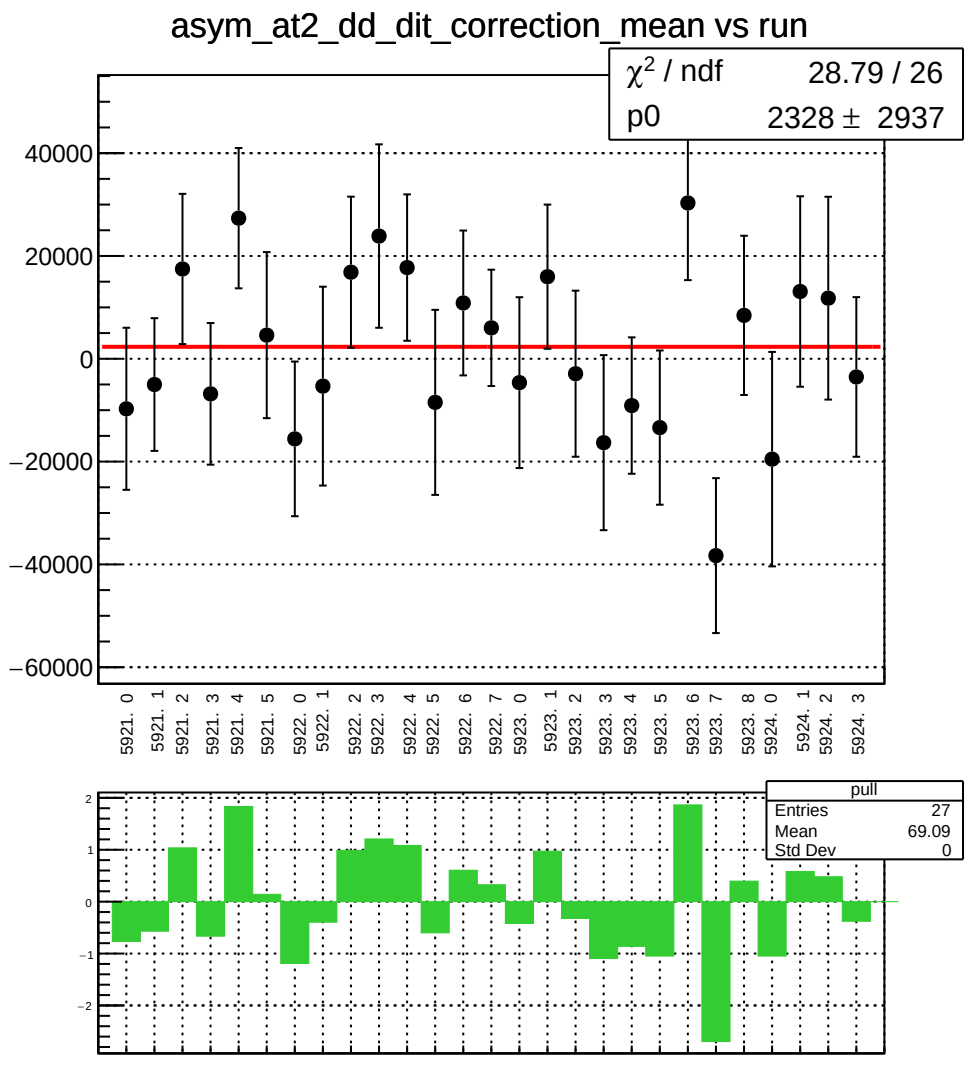

pull1D
Entries 27
Mean −0.01929
Std Dev 1.028
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

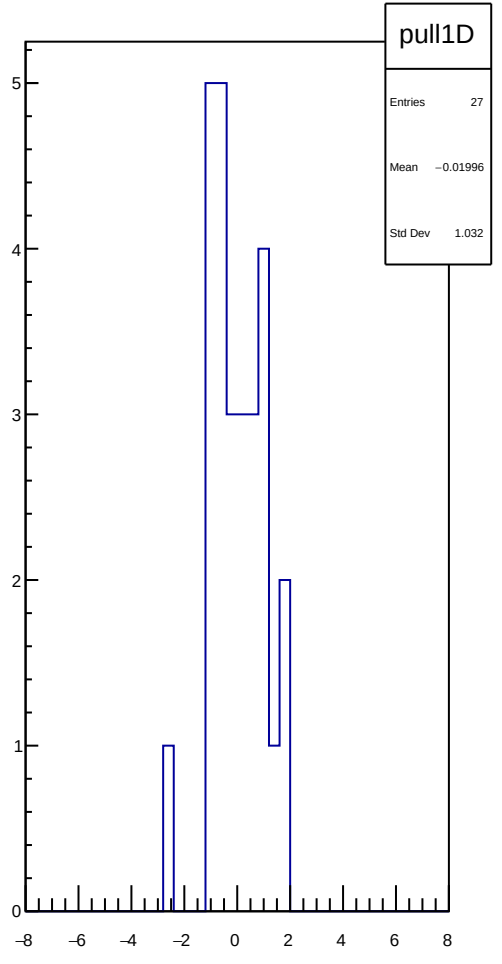

asym_at2_dd_eigen_cor_correction_rms vs run
χ² / ndf 6993 / 26
p0 1466 ± 2.053
1900
1800
1700
1600
1500
1400
1300
1200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

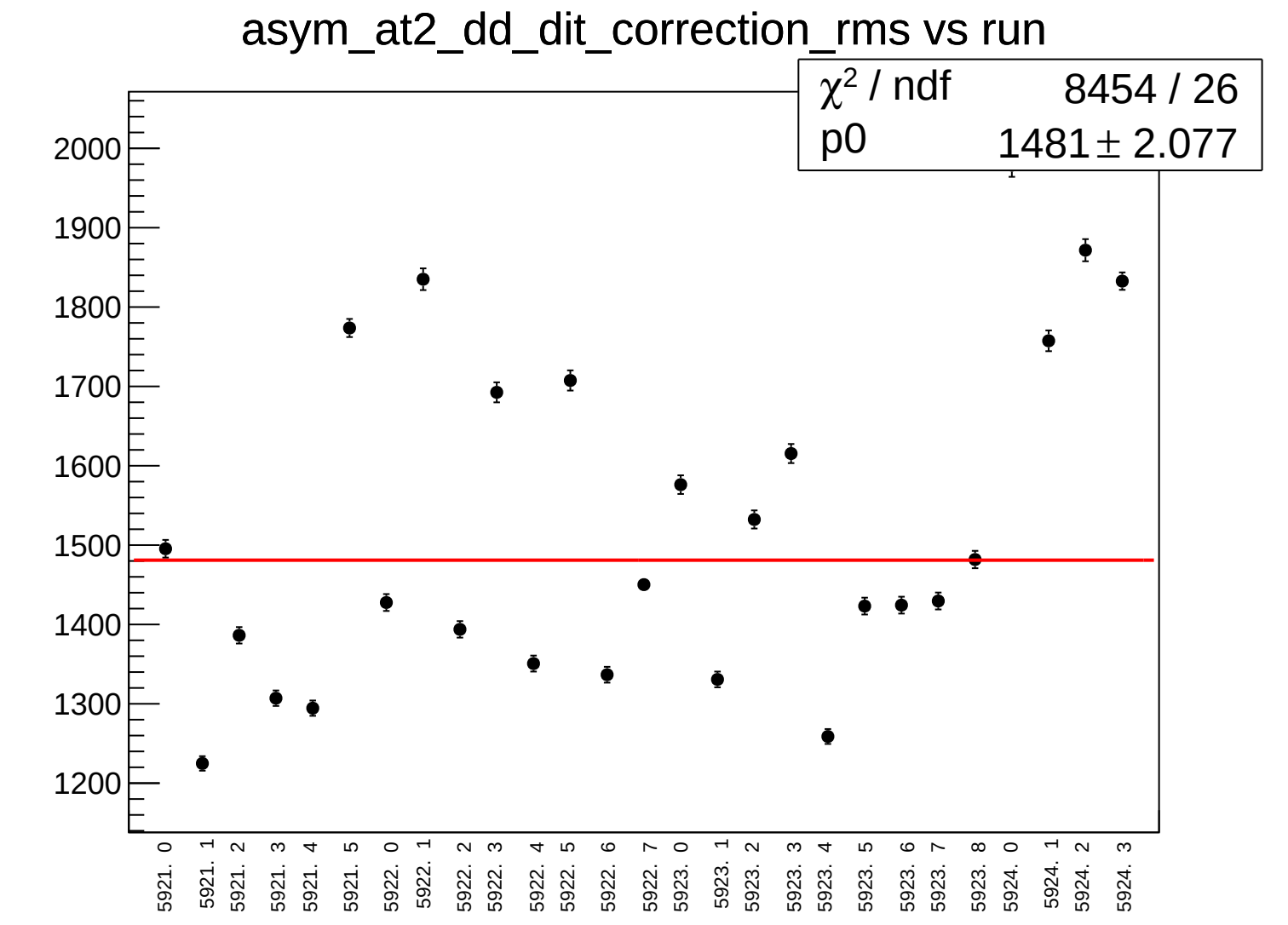

dit_asym_at2_dd_mean vs run
χ² / ndf 23.71 / 26
p0 3456 ± 3254
60000
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 589.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

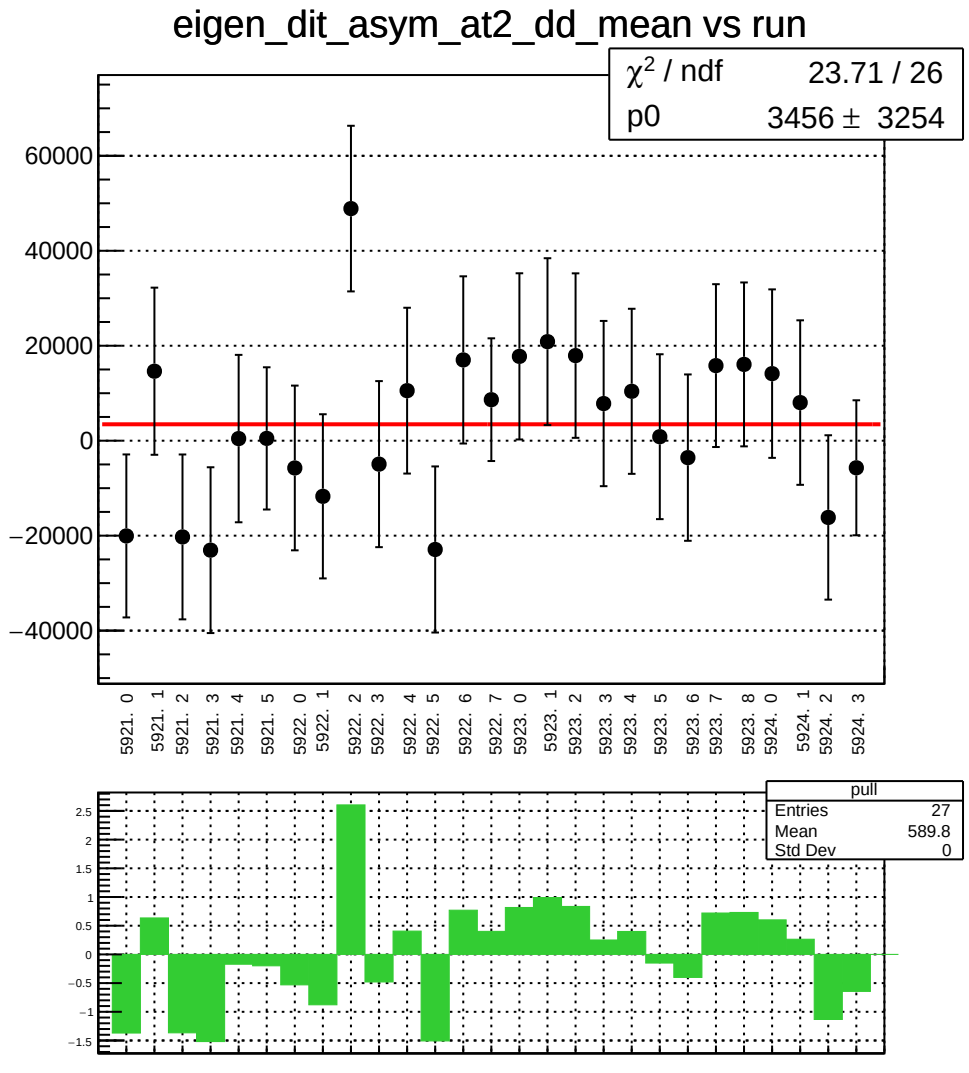

pull1D
Entries 27
Mean 0.002976
Std Dev 0.9372
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

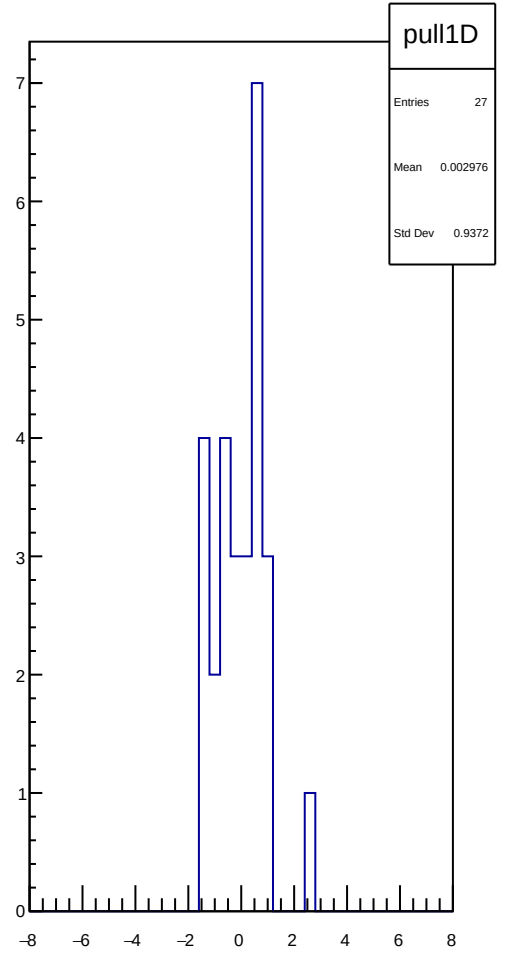

dit_asym_at2_dd_rms vs run
χ² / ndf 34.2 / 26
p0 1654 ± 2.301
1700
1690
1680
1670
1660
1650
1640
1630
1620
1610
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

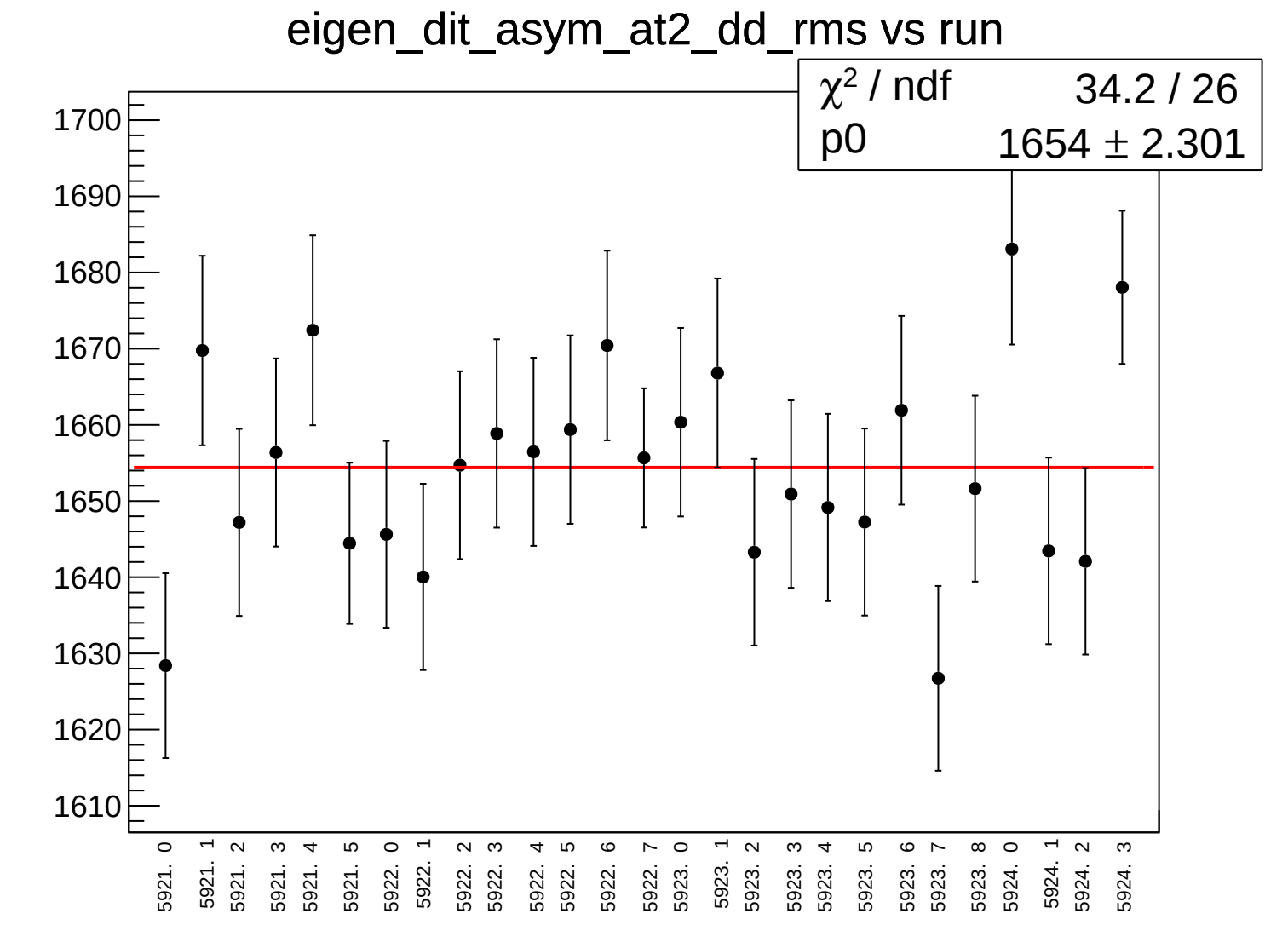

asym_at2_dd_dit_correction_mean vs run
χ² / ndf 28.79 / 26
p0 2328 ± 2937
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 69.09
Std Dev 0
2
1
0
−1
−2

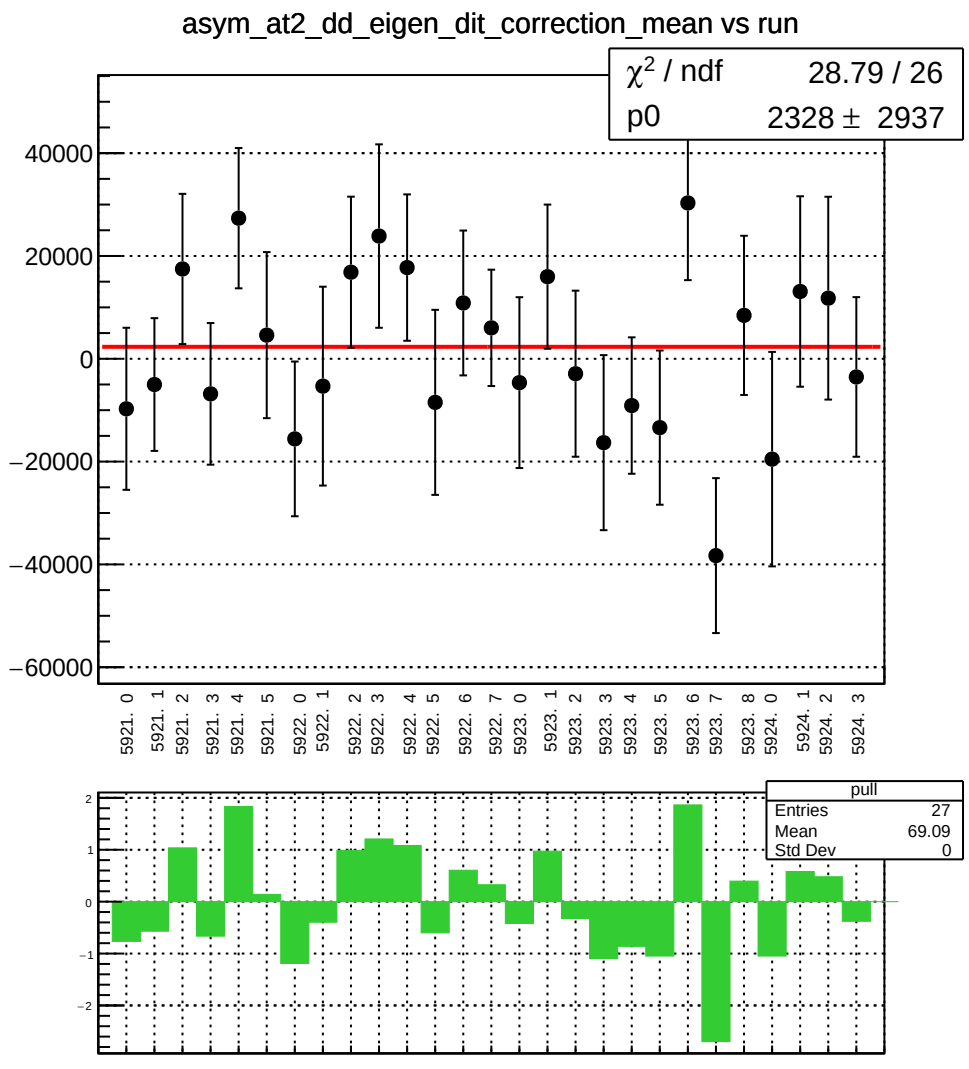

pull1D
Entries 27
Mean −0.01996
Std Dev 1.032
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

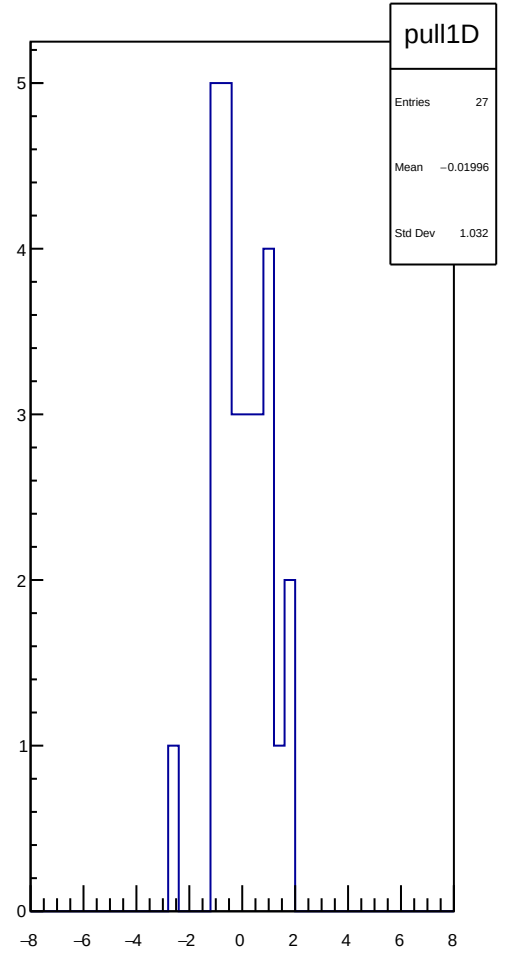

asym_at2_dd_dit_correction_rms vs run
χ² / ndf 8454 / 26
p0 1481 ± 2.077
2000
1900
1800
1700
1600
1500
1400
1300
1200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

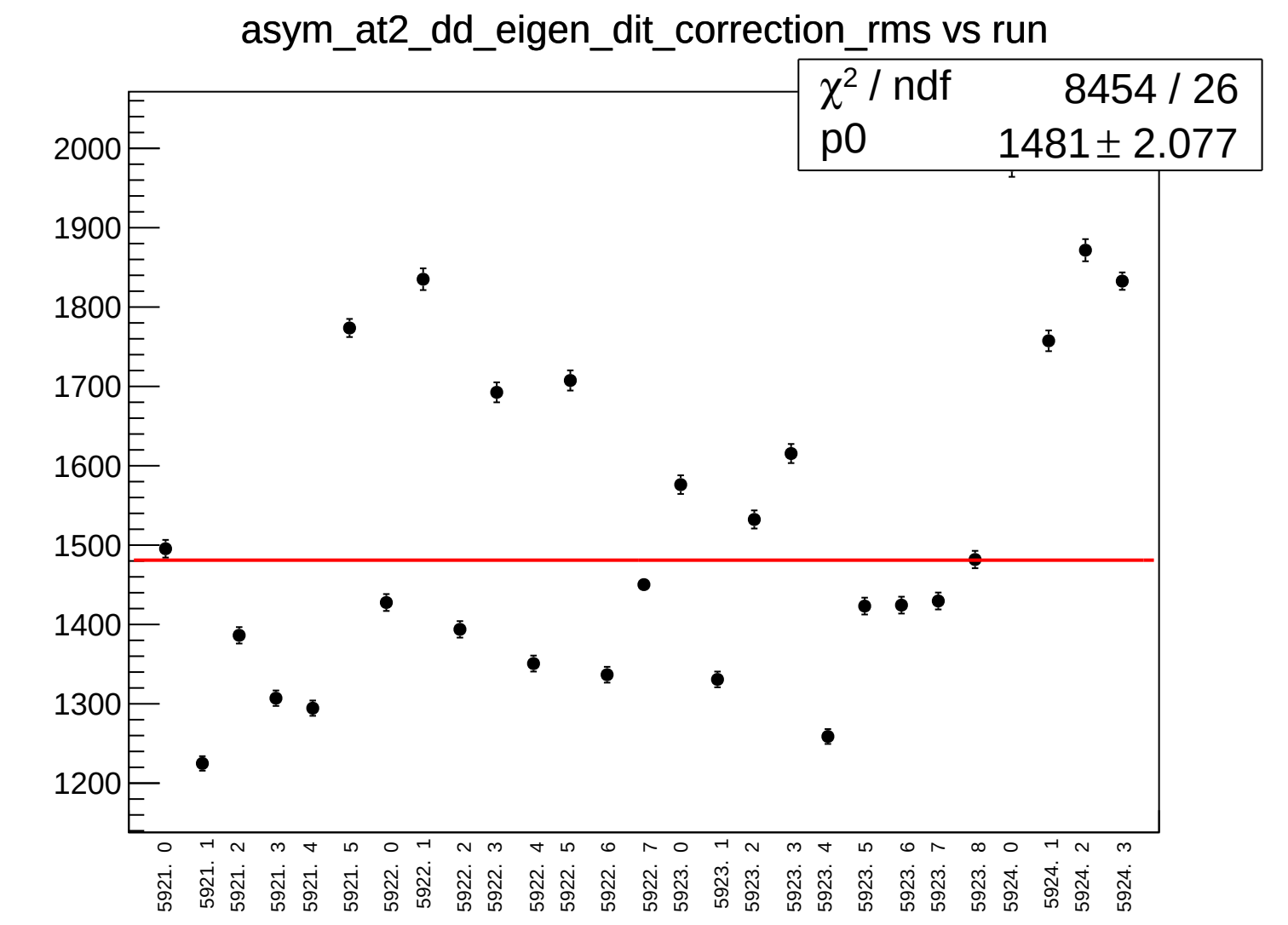

eigen_dit_asym_at2_dd_mean vs run
χ² / ndf 23.71 / 26
p0 3456 ± 3254
60000
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 589.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

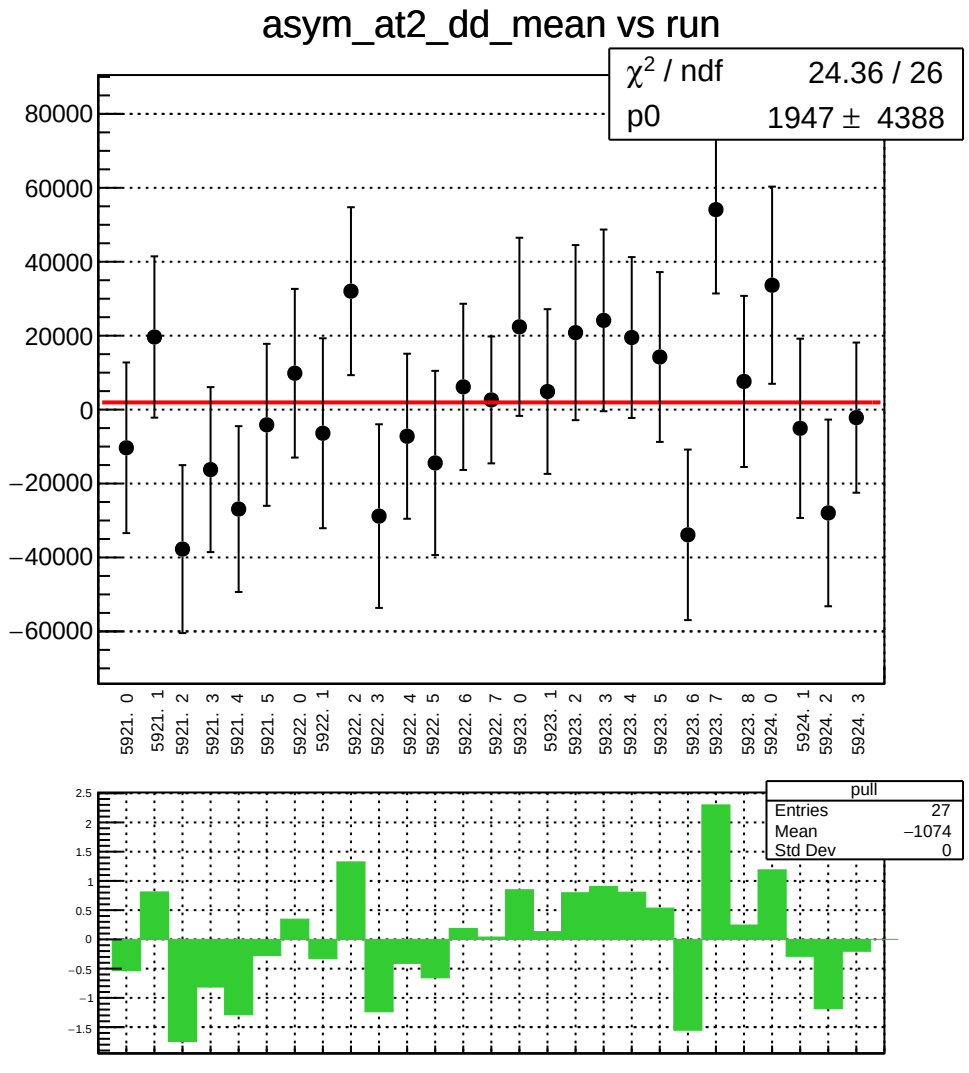

pull1D
Entries 27
Mean 0.002976
Std Dev 0.9372
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

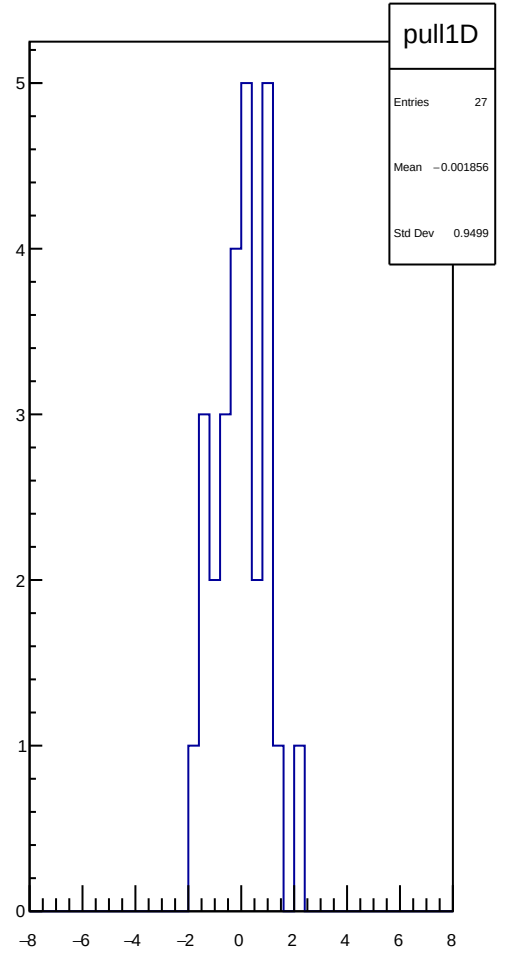

eigen_dit_asym_at2_dd_rms vs run
χ² / ndf 34.2 / 26
p0 1654 ± 2.301
1700
1690
1680
1670
1660
1650
1640
1630
1620
1610
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

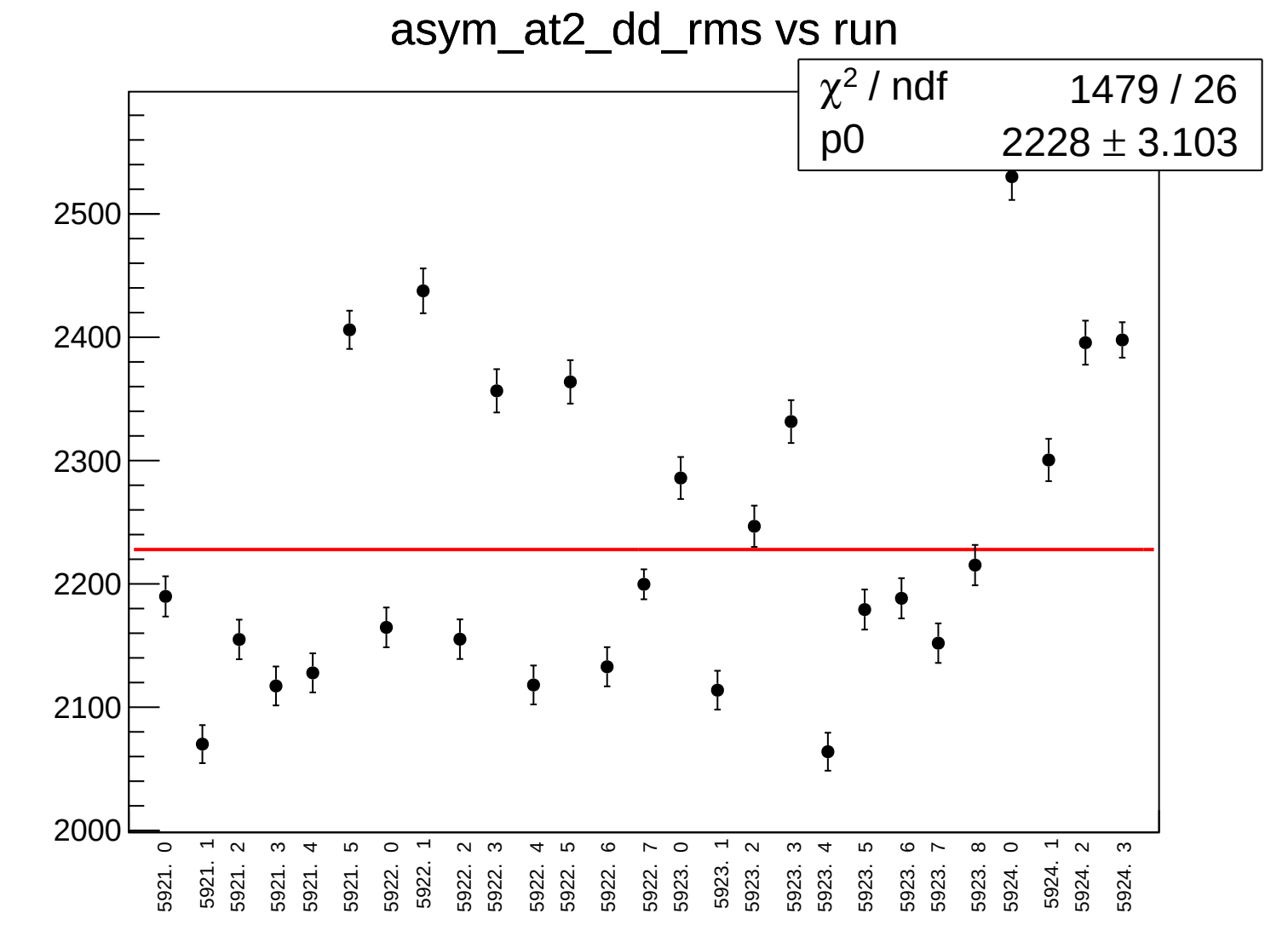

asym_at2_dd_eigen_dit_correction_mean vs run
χ² / ndf 28.79 / 26
p0 2328 ± 2937
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 69.09
Std Dev 0
2
1
0
−1
−2

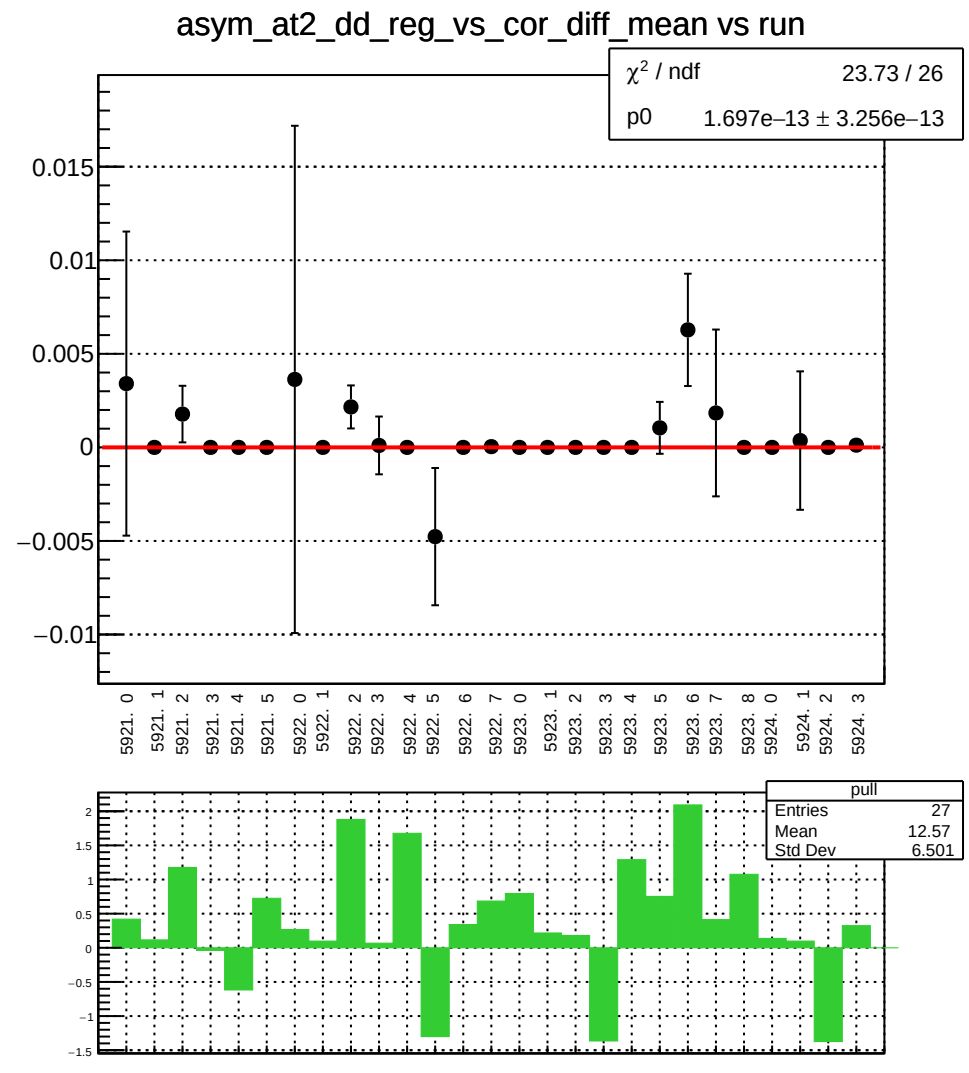

pull1D
Entries 27
Mean −0.01996
Std Dev 1.032
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

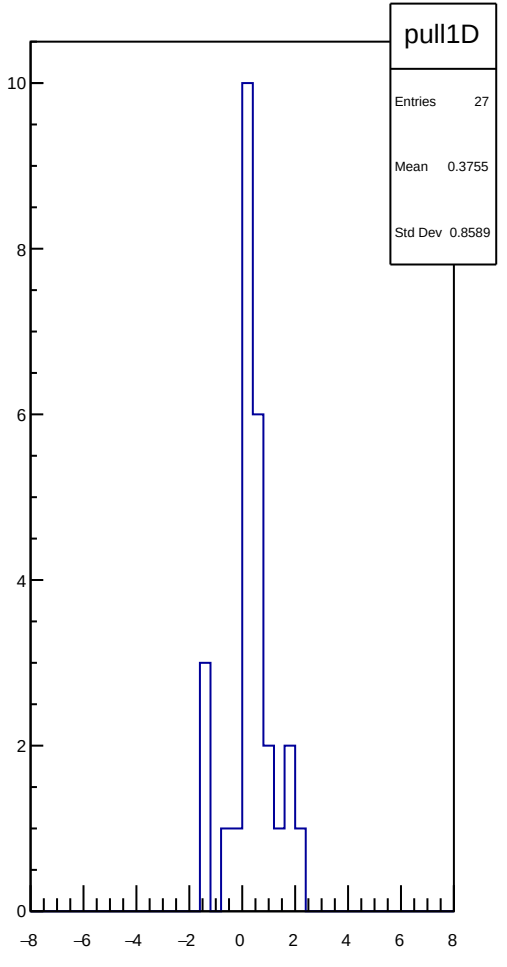

asym_at2_dd_eigen_dit_correction_rms vs run
χ² / ndf 8454 / 26
p0 1481 ± 2.077
2000
1900
1800
1700
1600
1500
1400
1300
1200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

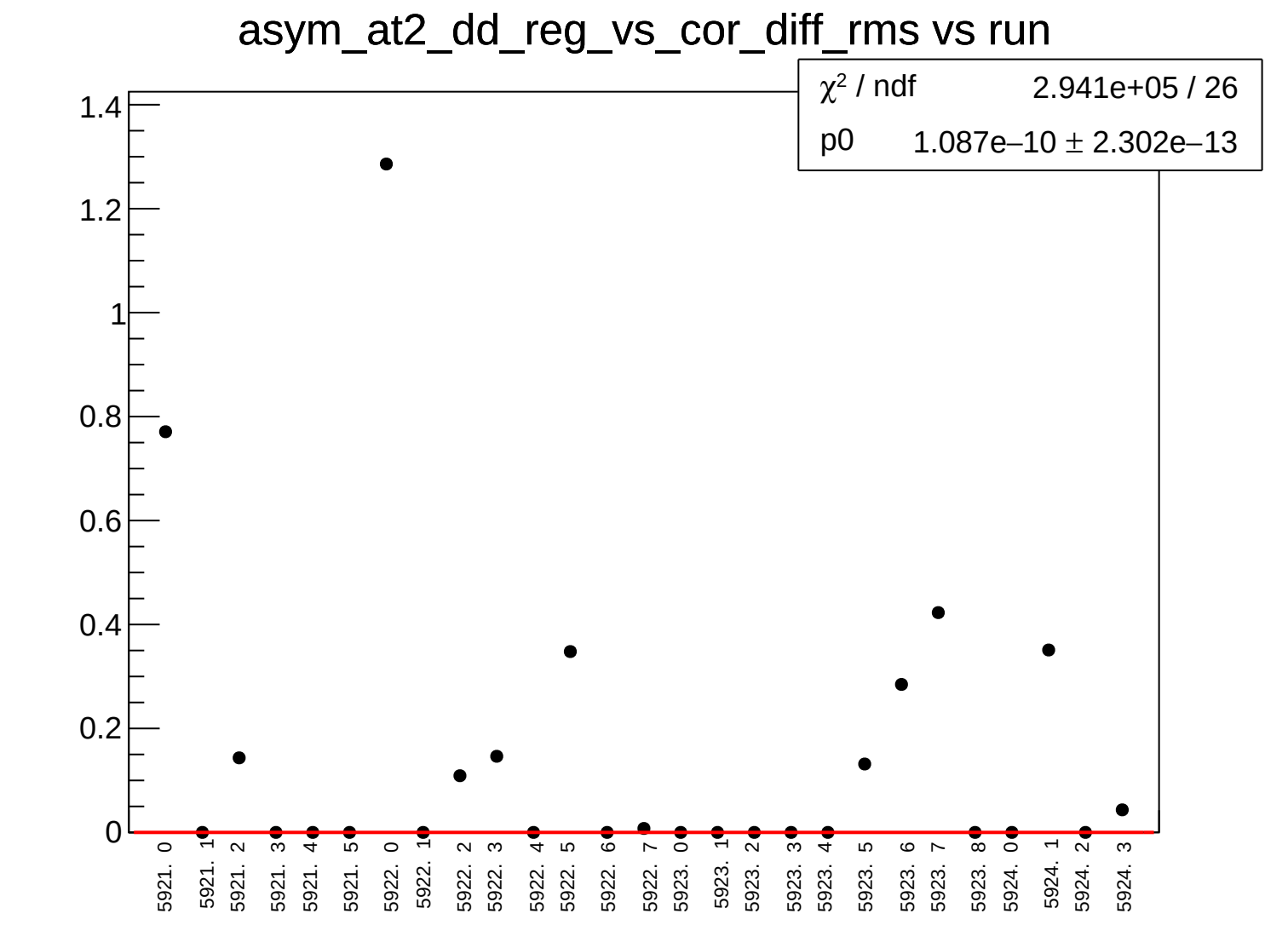

asym_at2_dd_mean vs run
χ² / ndf 24.36 / 26
p0 1947 ± 4388
80000
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −1074
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

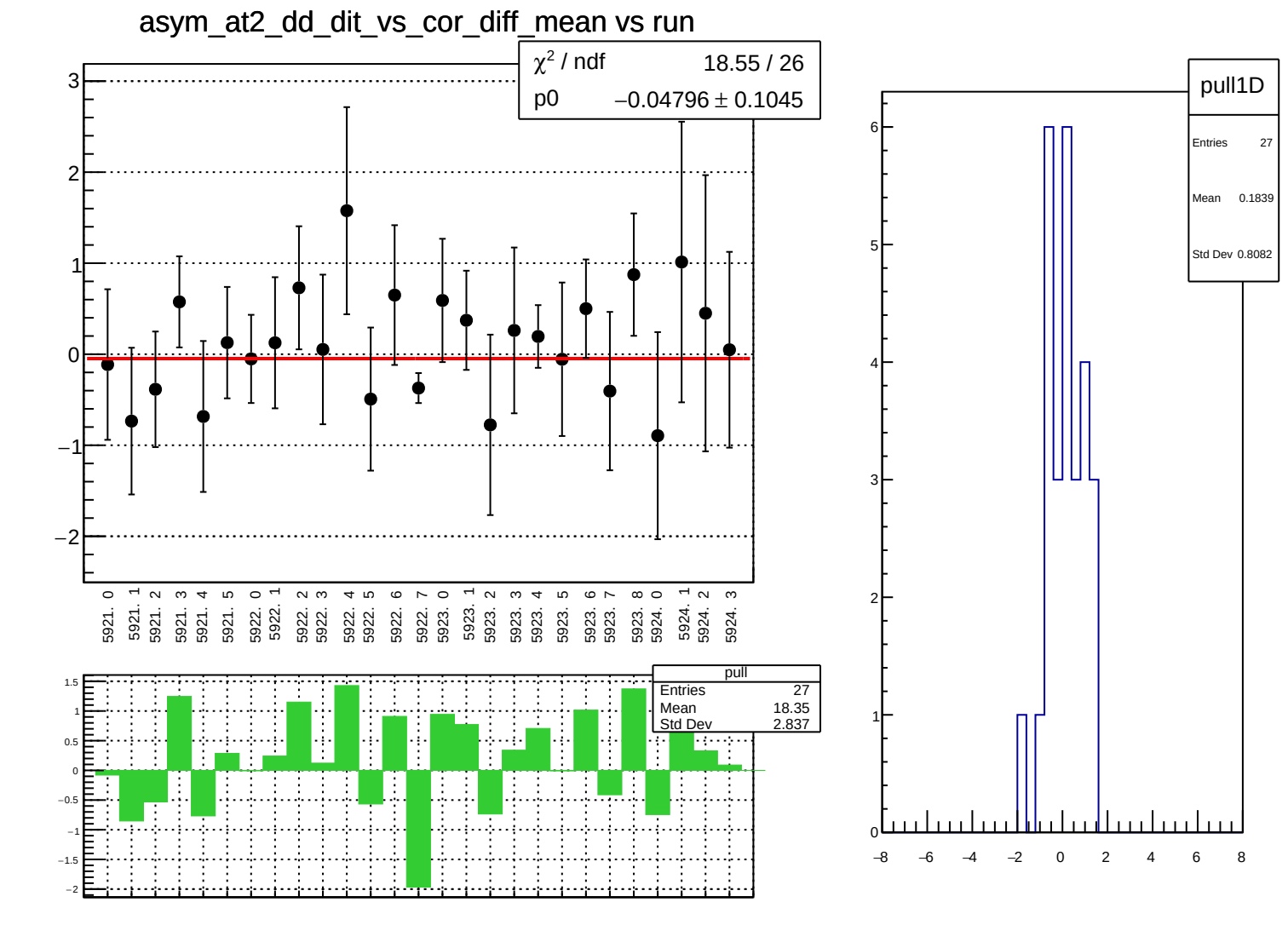

pull1D
Entries 27
Mean −0.001856
Std Dev 0.9499
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

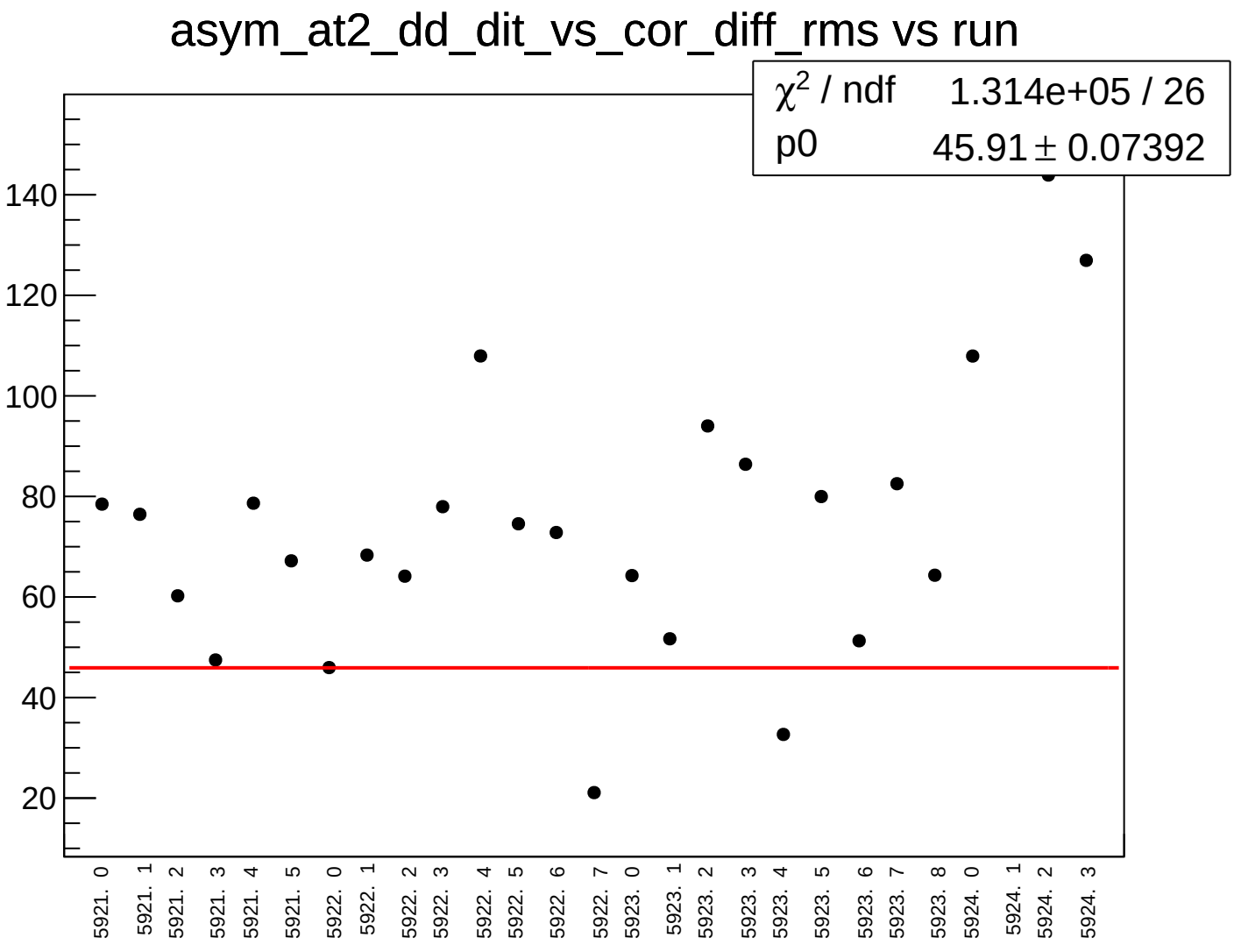

asym_at2_dd_rms vs run
χ² / ndf 1479 / 26
p0 2228 ± 3.103
2500
2400
2300
2200
2100
2000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

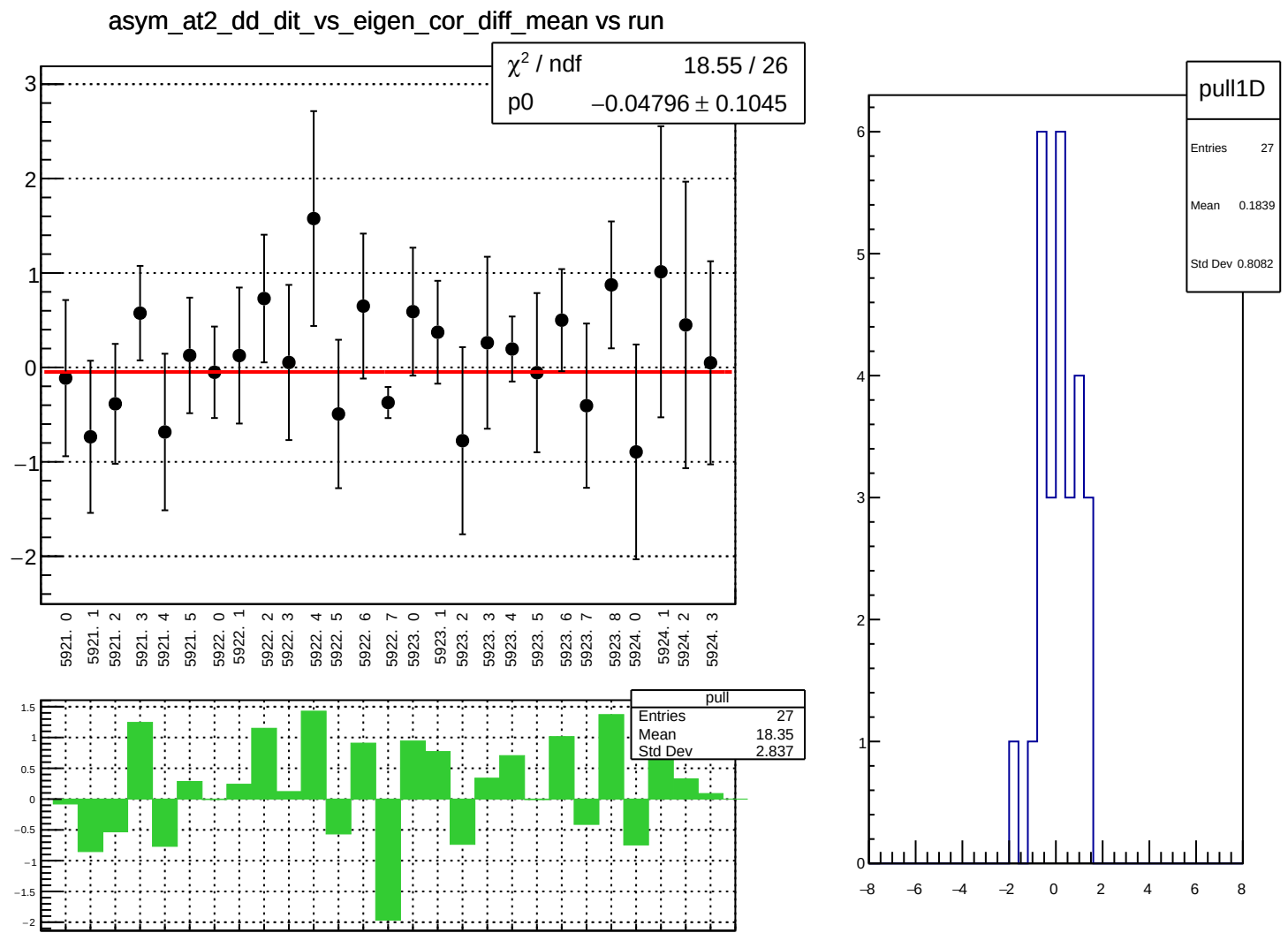

asym_at2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 23.73 / 26
p0 1.697e−13 ± 3.256e−13
0.015
0.01
0.005
0
−0.005
−0.01
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 12.57
Std Dev 6.501
2
1.5
1
0.5
0
−0.5
−1
−1.5

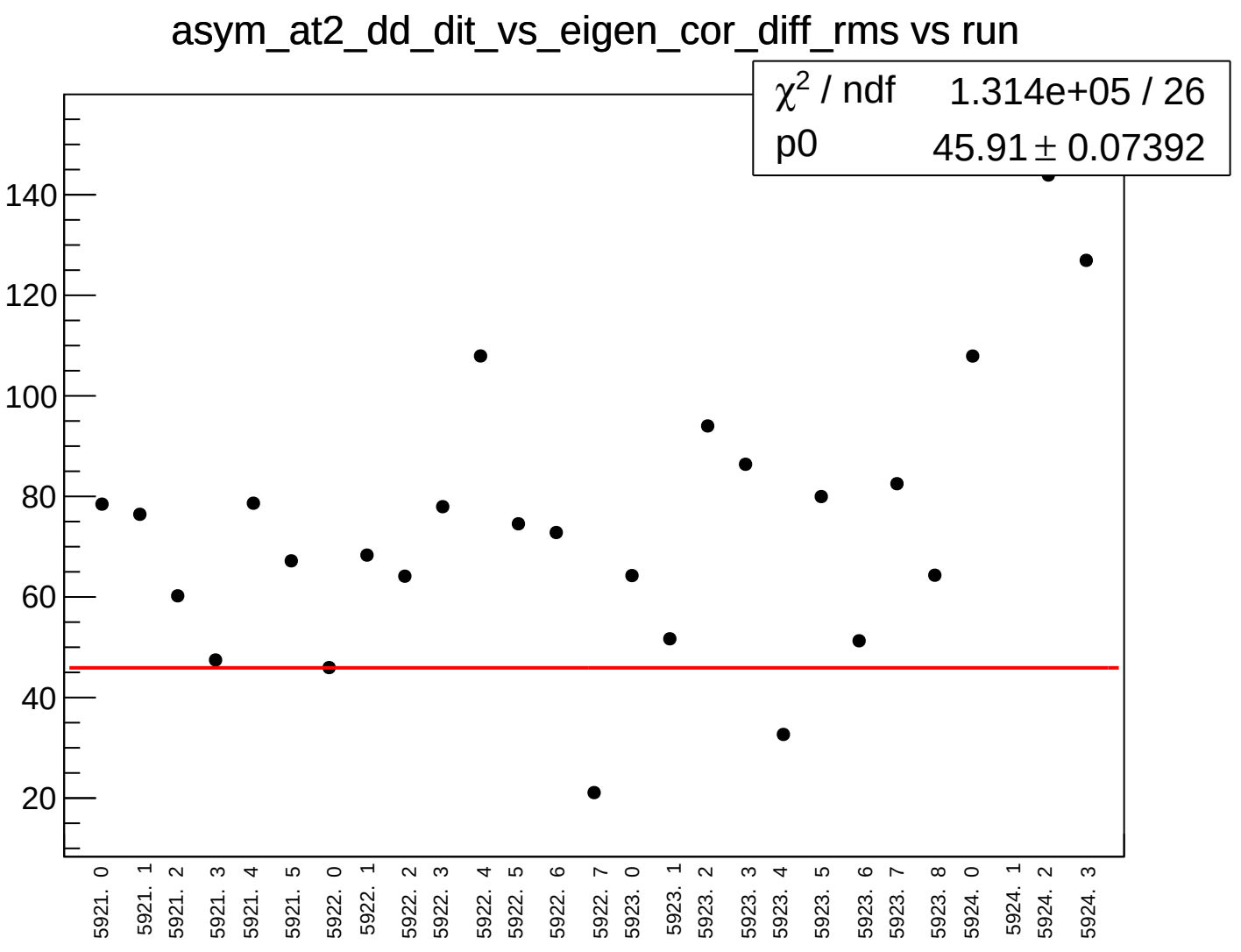

pull1D
Entries 27
Mean 0.3755
Std Dev 0.8589
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

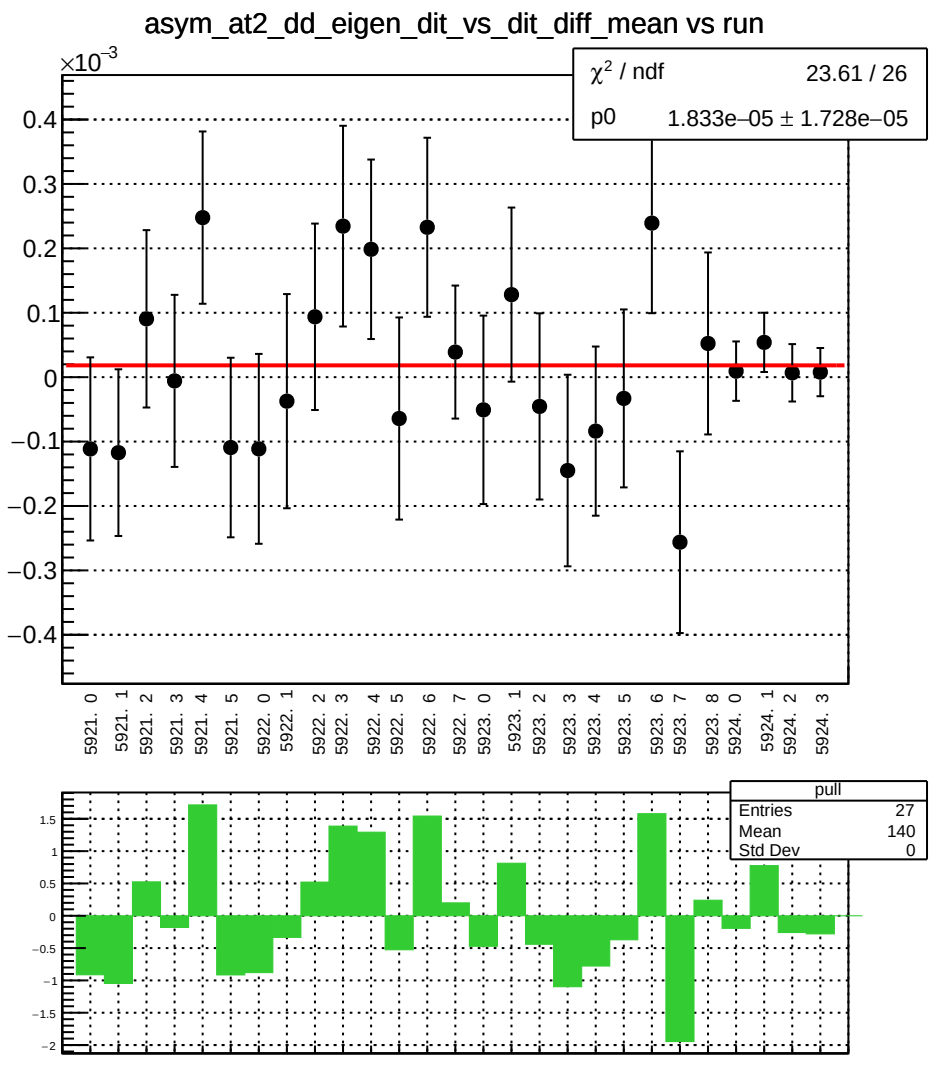

asym_at2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 2.941e+05 / 26
p0 1.087e−10 ± 2.302e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

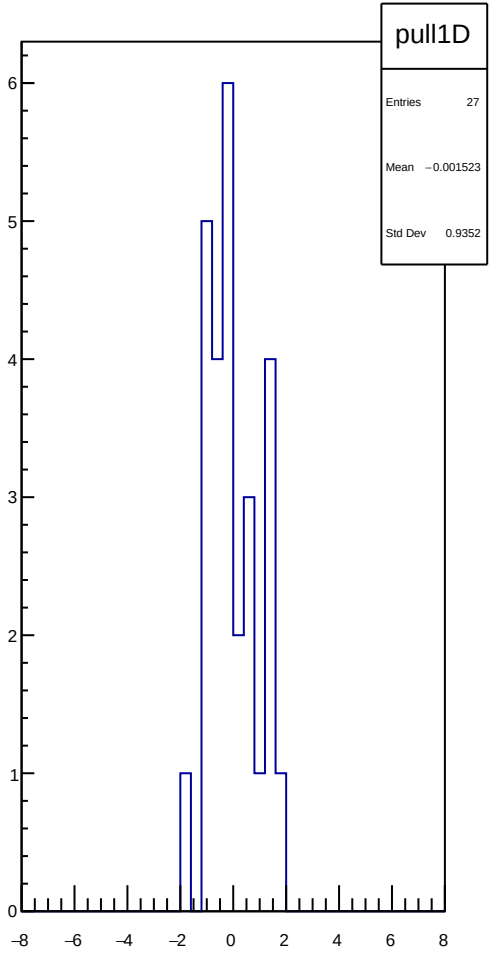

asym_at2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 18.55 / 26
p0 −0.04796 ± 0.1045
3
2
1
0
−1
−2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 18.35
Std Dev 2.837
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean 0.1839
Std Dev 0.8082
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

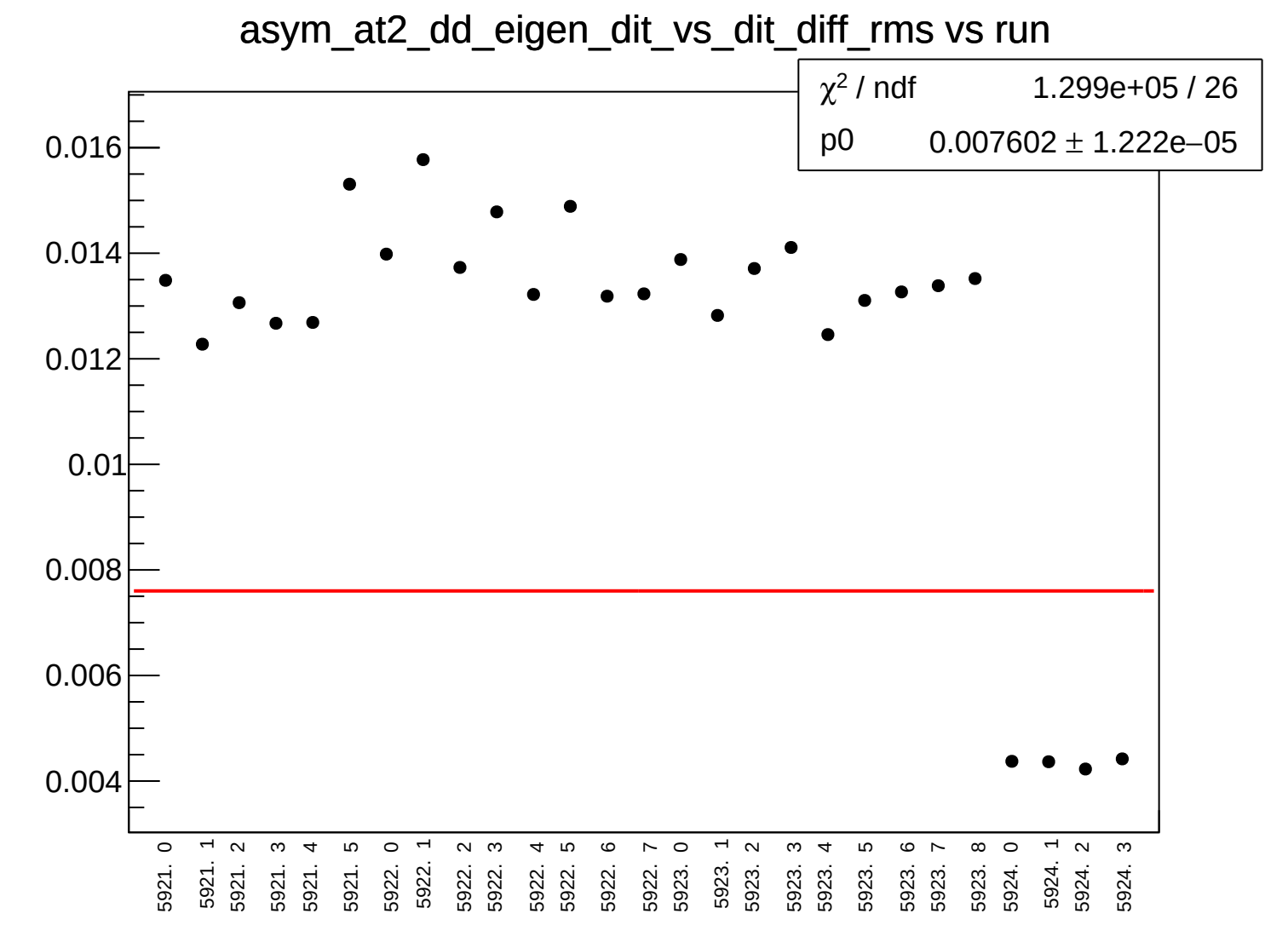

asym_at2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.314e+05 / 26
p0 45.91 ± 0.07392
140
120
100
80
60
40
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

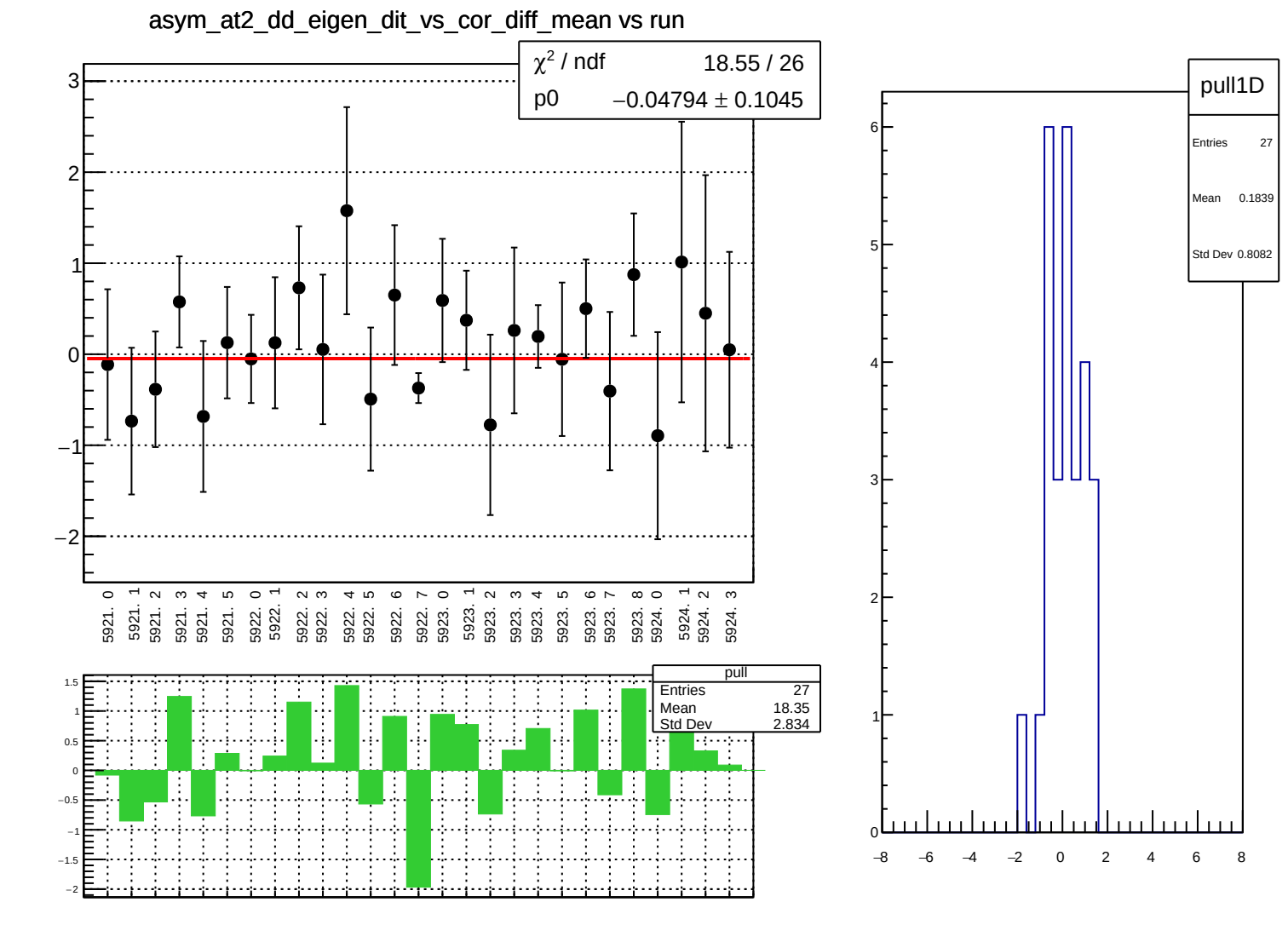

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 18.55 / 26
p0 −0.04796 ± 0.1045
3
2
1
0
−1
−2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 18.35
Std Dev 2.837
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean 0.1839
Std Dev 0.8082
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

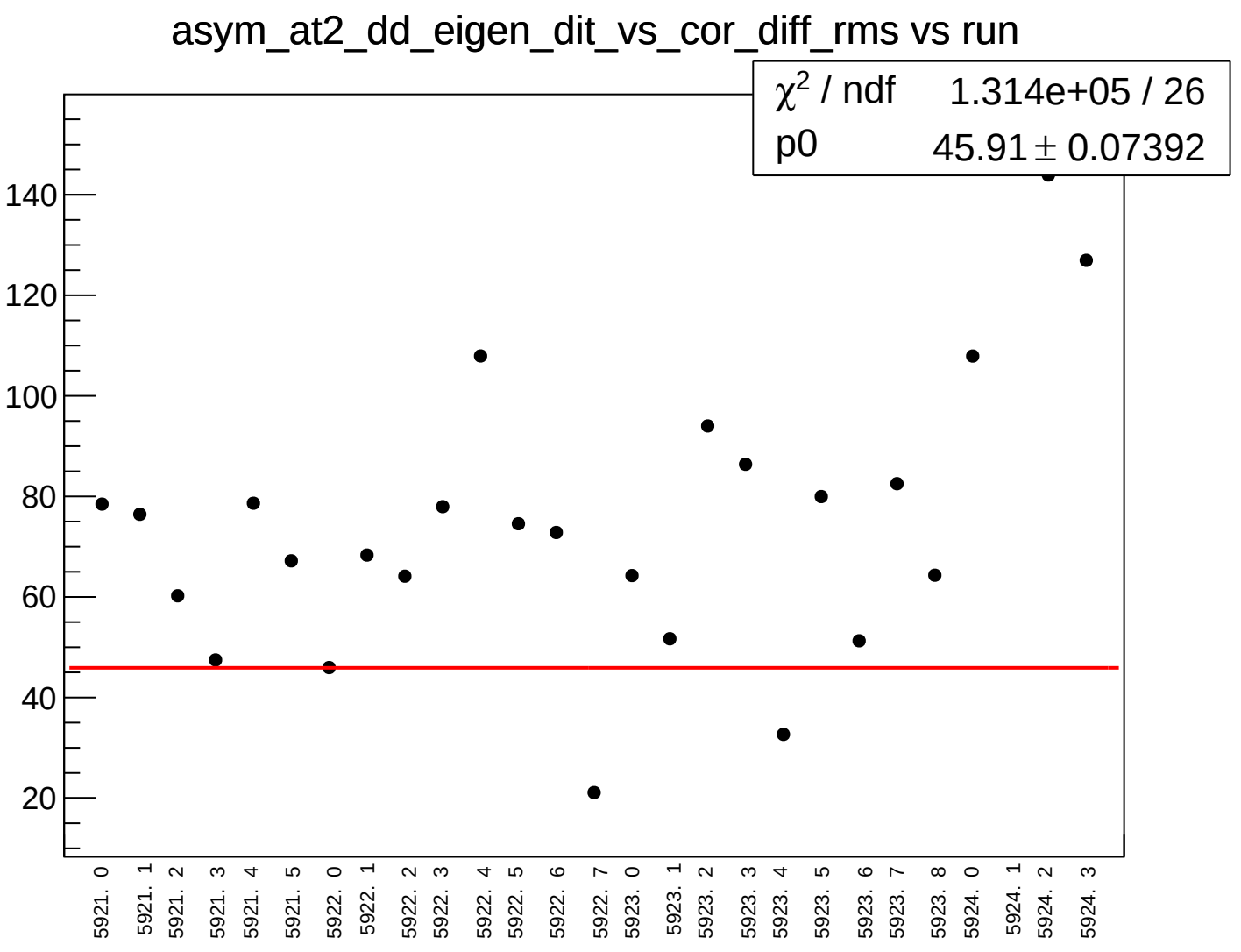

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.314e+05 / 26
p0 45.91 ± 0.07392
140
120
100
80
60
40
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

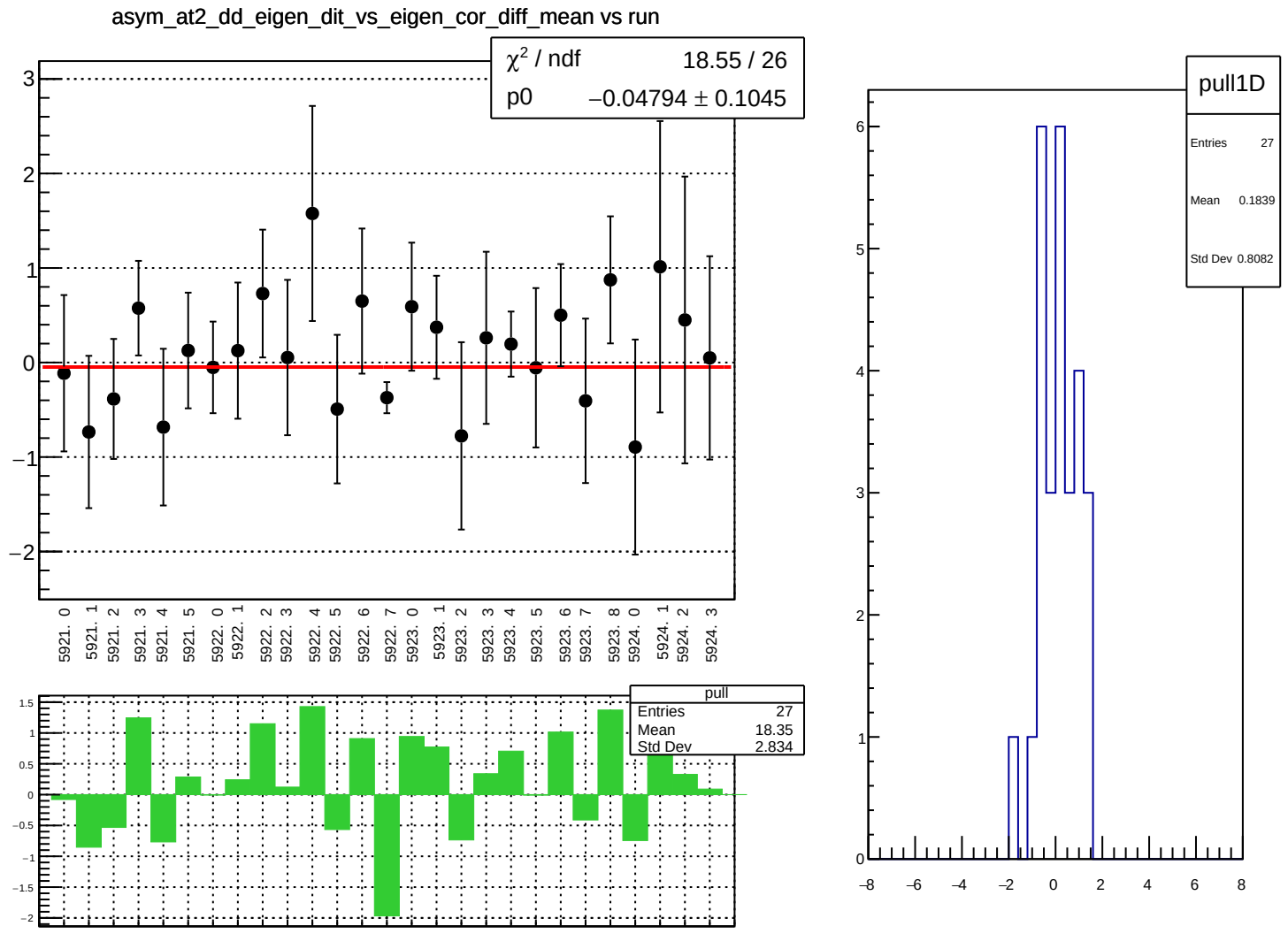

asym_at2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 23.61 / 26
p0 1.833e−05 ± 1.728e−05
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 140
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

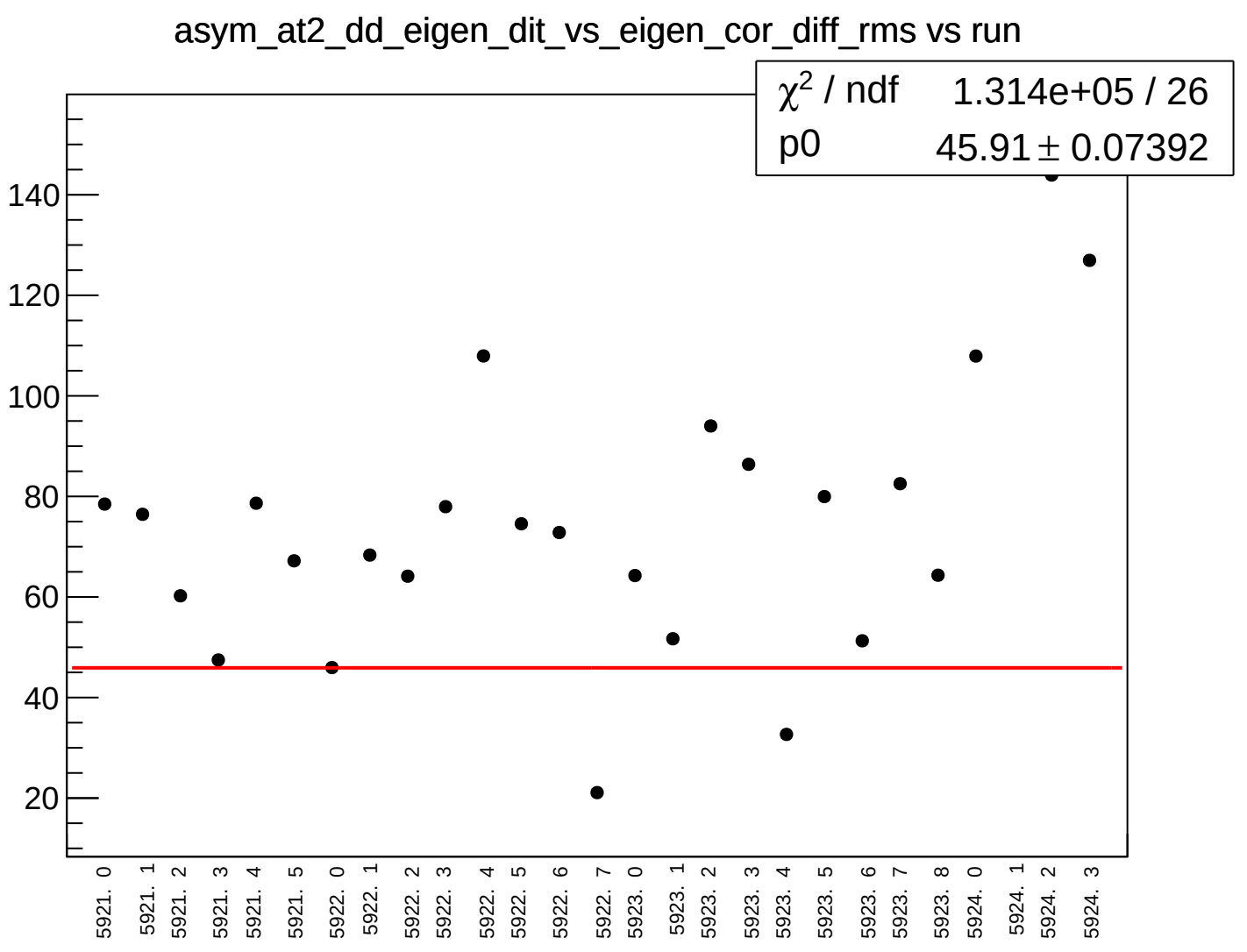

pull1D
Entries 27
Mean −0.001523
Std Dev 0.9352
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

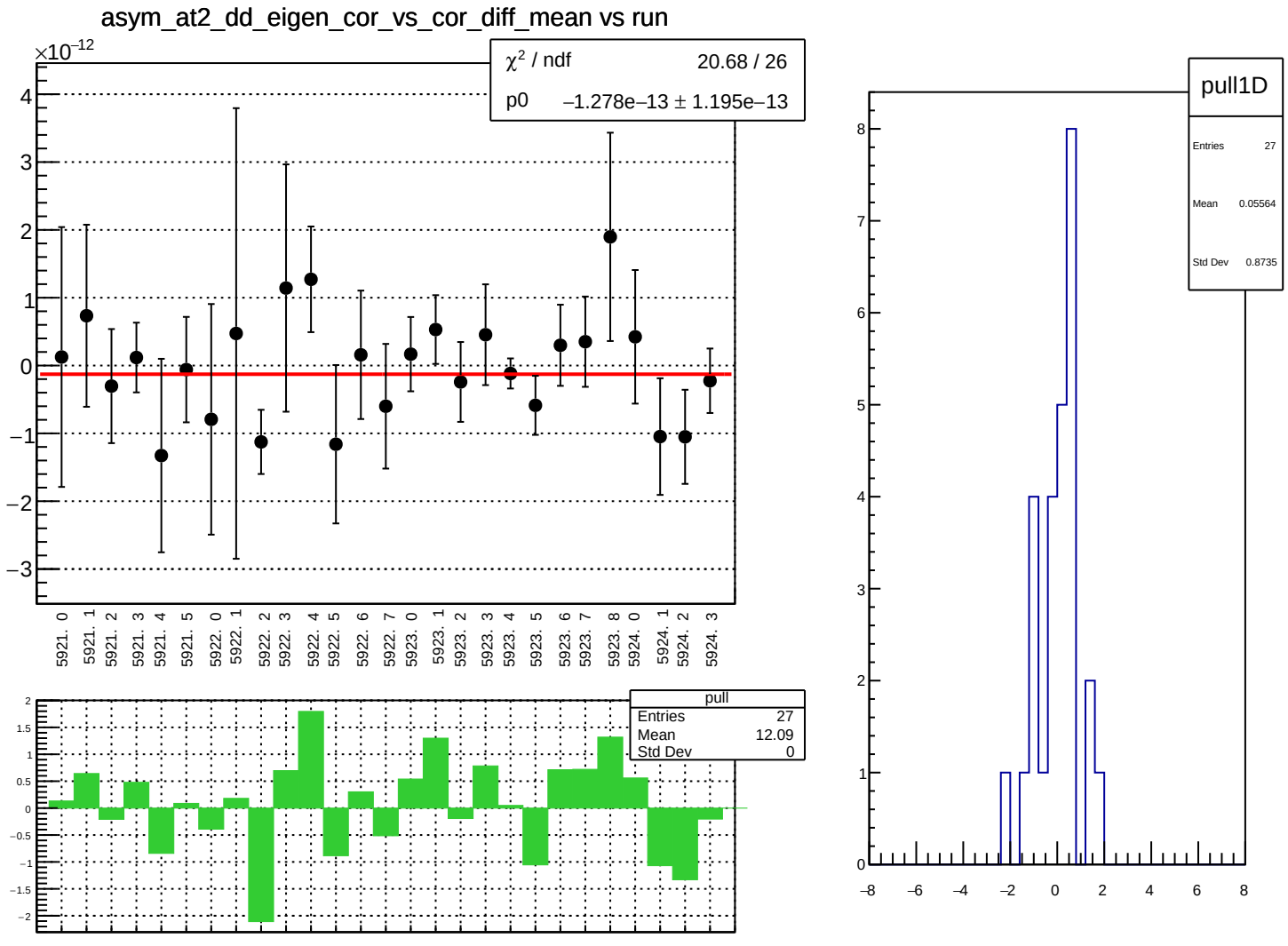

asym_at2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.299e+05 / 26
p0 0.007602 ± 1.222e−05
0.016
0.014
0.012
0.01
0.008
0.006
0.004
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

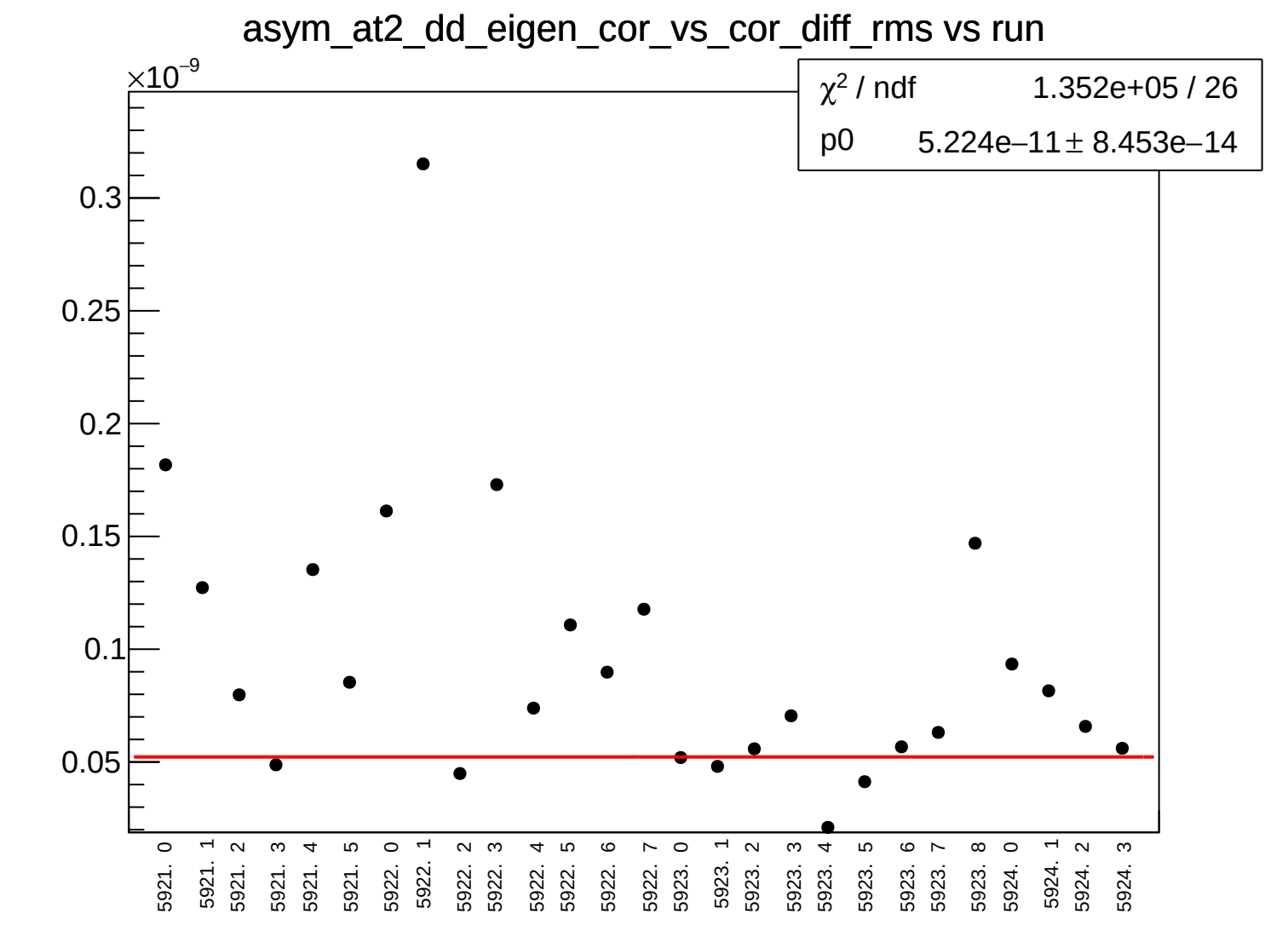

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 18.55 / 26
p0 −0.04794 ± 0.1045
3
2
1
0
−1
−2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 18.35
Std Dev 2.834
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean 0.1839
Std Dev 0.8082
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

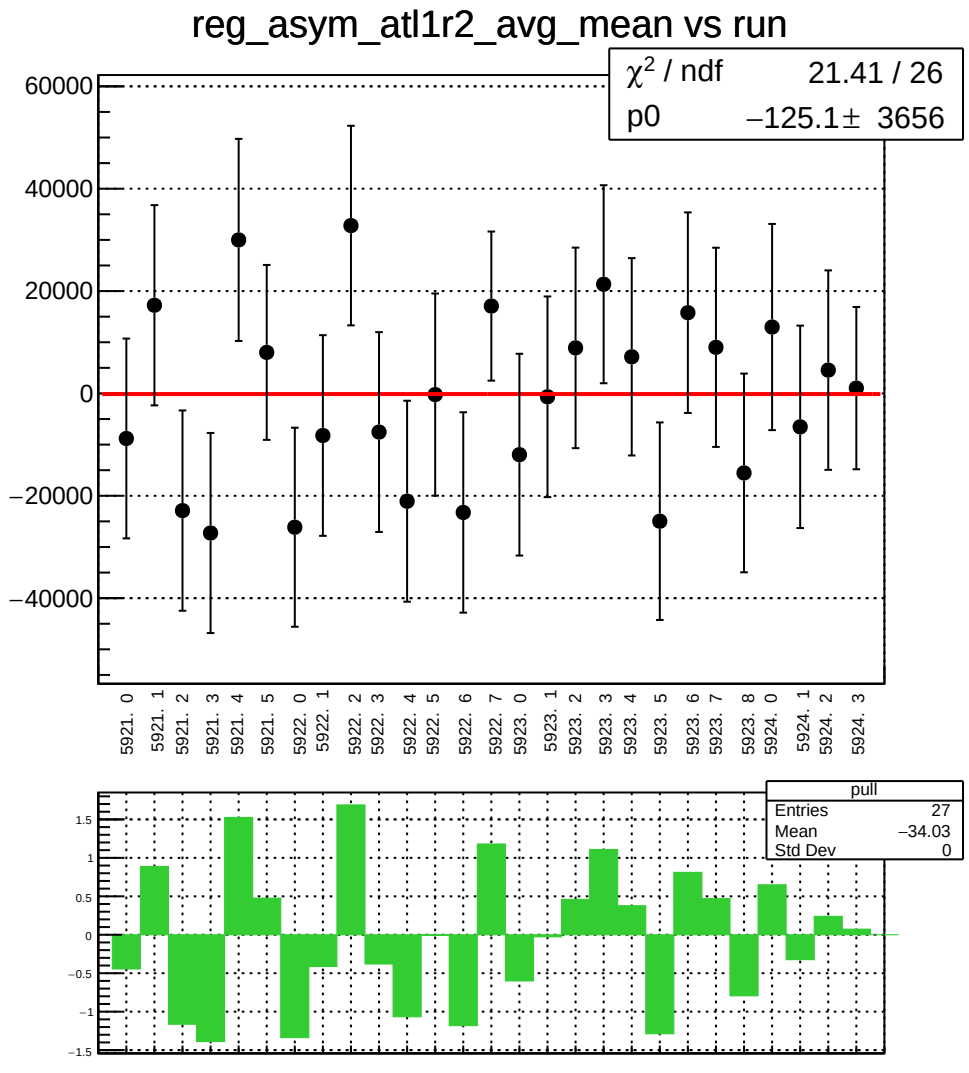

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.314e+05 / 26
p0 45.91 ± 0.07392
140
120
100
80
60
40
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

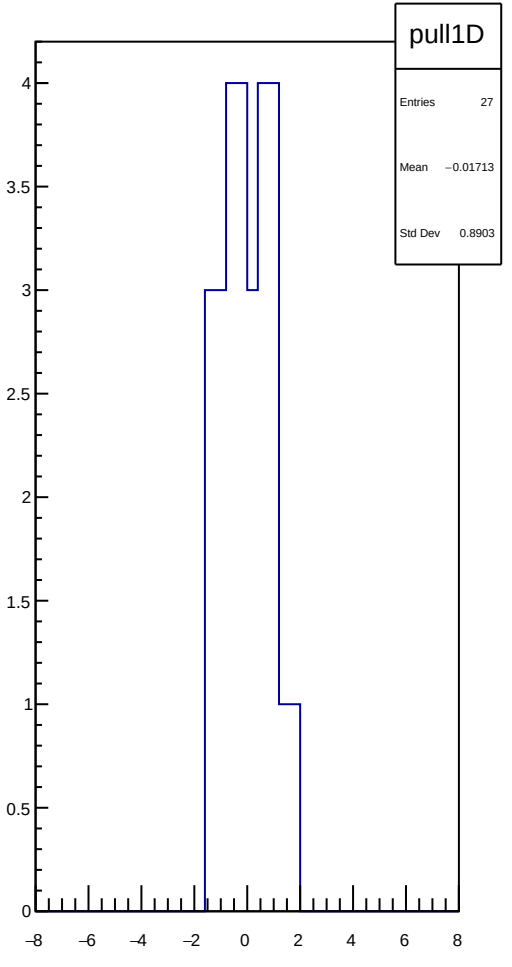

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 18.55 / 26
p0 −0.04794 ± 0.1045
3
2
1
0
−1
−2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 18.35
Std Dev 2.834
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean 0.1839
Std Dev 0.8082
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

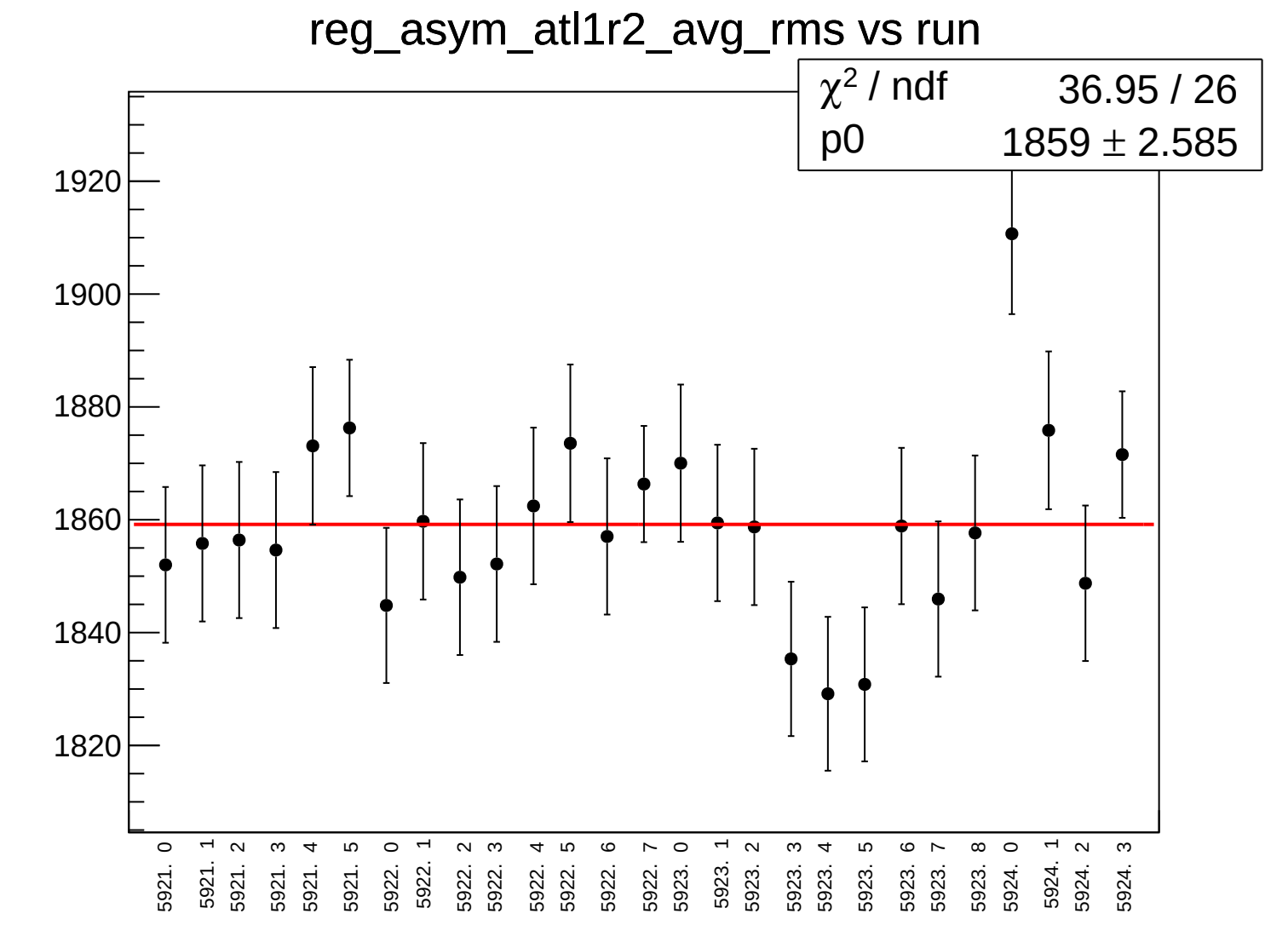

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.314e+05 / 26
p0 45.91 ± 0.07392
140
120
100
80
60
40
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

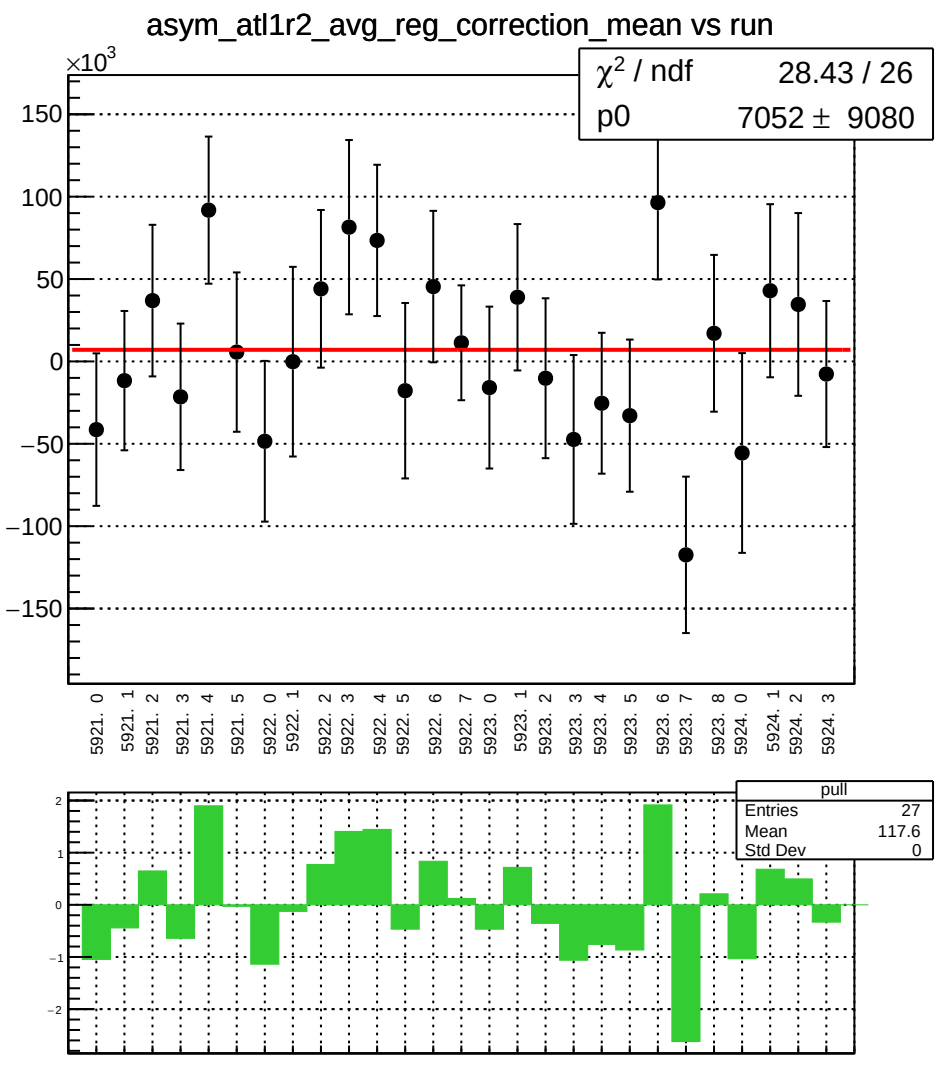

asym_at2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 20.68 / 26
p0 −1.278e−13 ± 1.195e−13
4
3
2
1
0
−1
−2
−3
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 12.09
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean 0.05564
Std Dev 0.8735
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

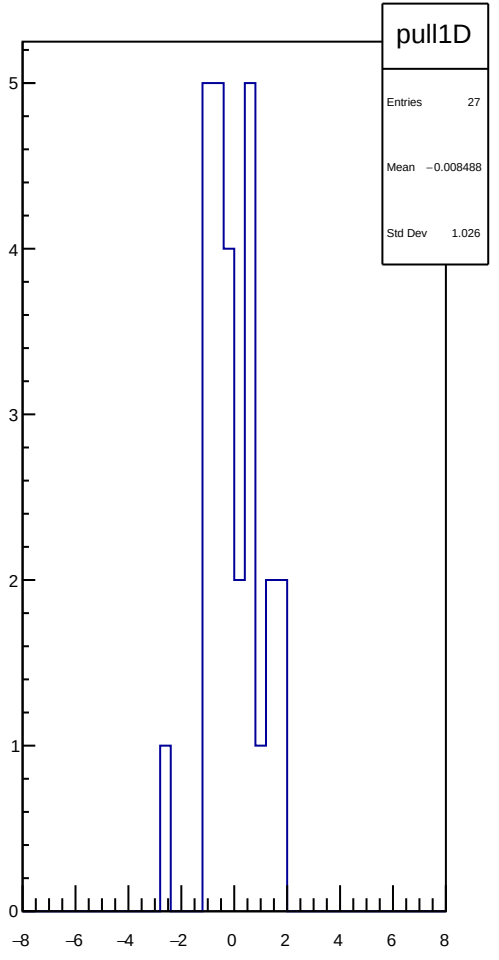

asym_at2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.352e+05 / 26
p0 5.224e−11 ± 8.453e−14
0.3
0.25
0.2
0.15
0.1
0.05
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

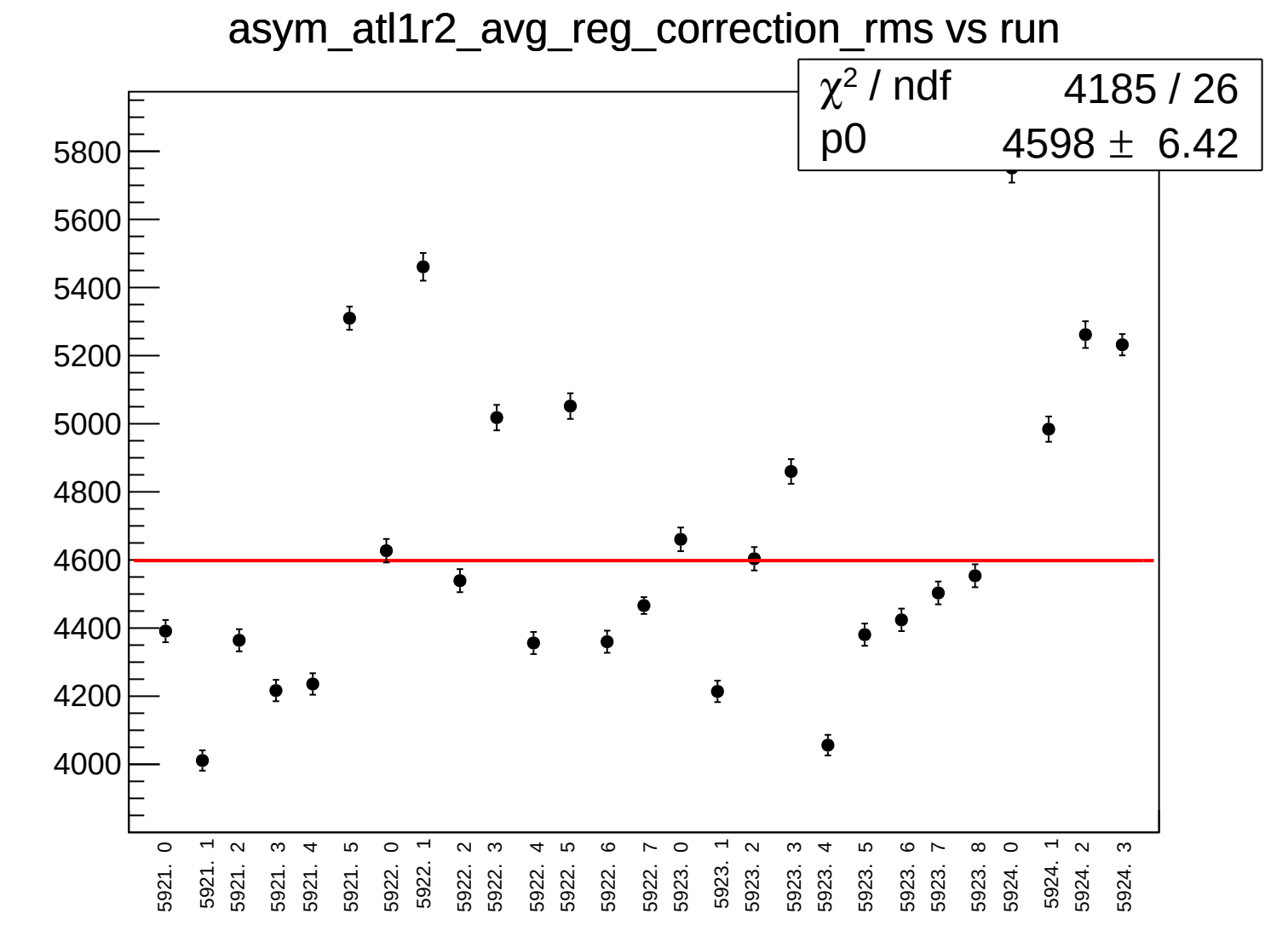

reg_asym_atl1r2_avg_mean vs run
χ² / ndf 21.41 / 26
p0 −125.1± 3656
60000
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −34.03
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

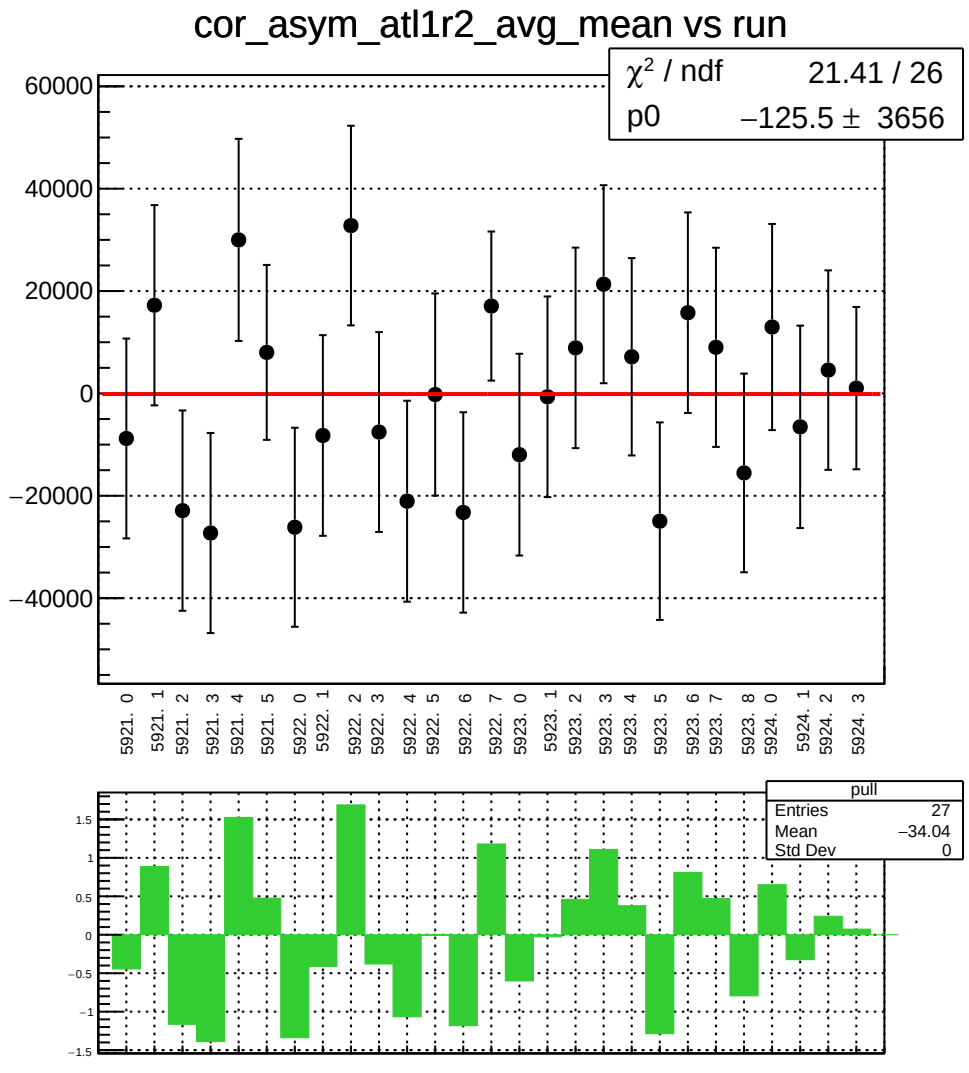

pull1D
Entries 27
Mean −0.01713
Std Dev 0.8903
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

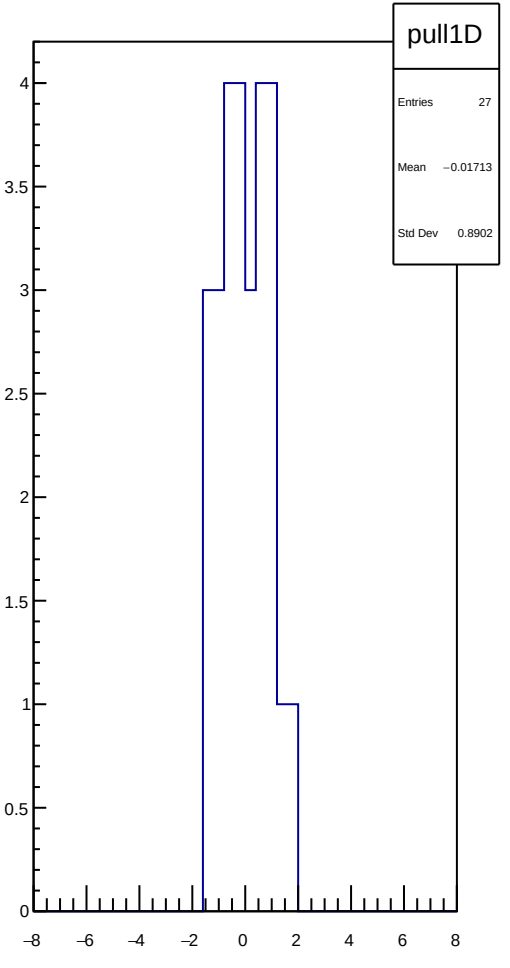

reg_asym_atl1r2_avg_rms vs run
χ² / ndf 36.95 / 26
p0 1859 ± 2.585
1920
1900
1880
1860
1840
1820
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

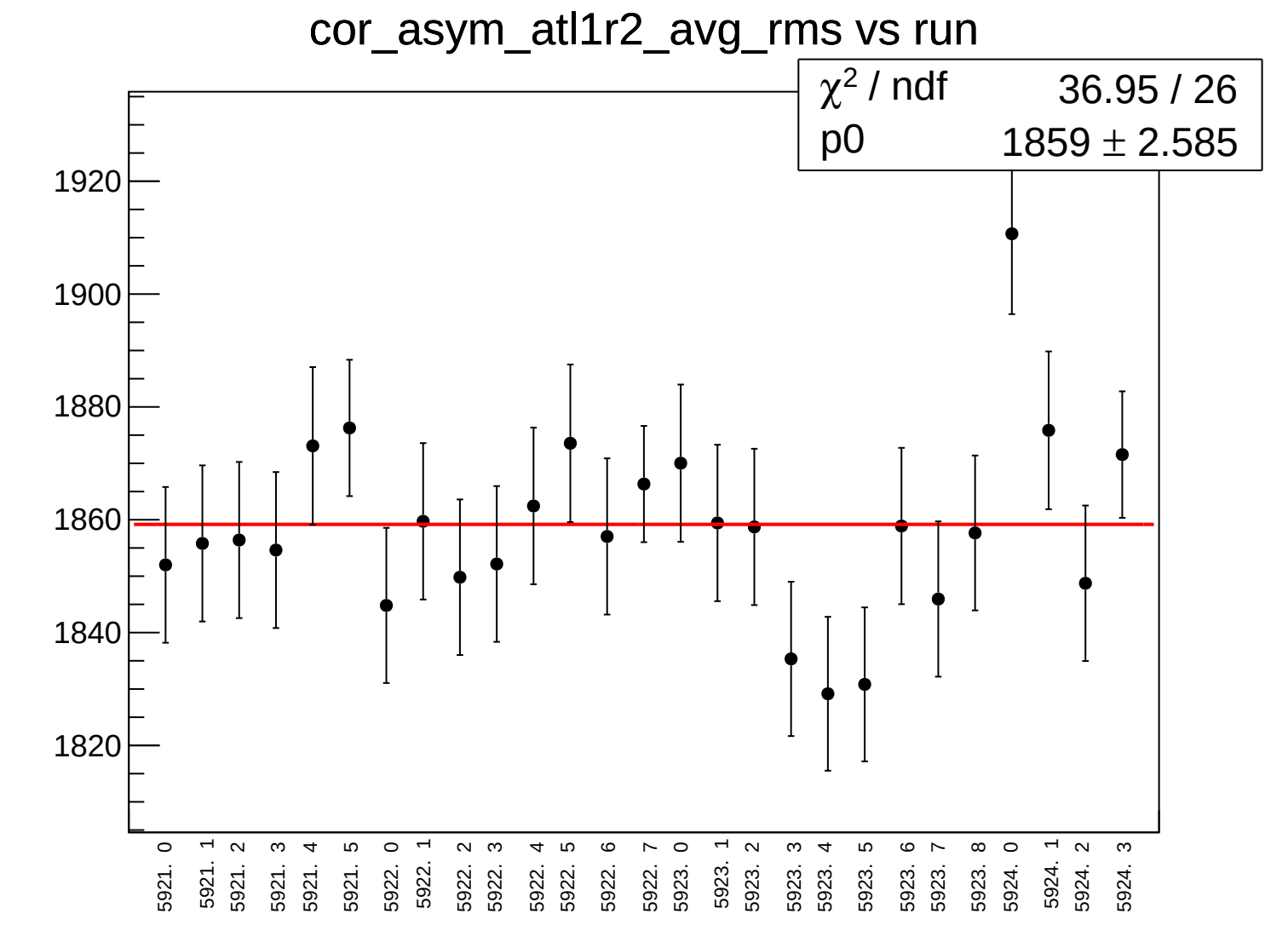

asym_atl1r2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 28.43 / 26
p0 7052 ± 9080
150
100
50
0
−50
−100
−150
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 117.6
Std Dev 0
2
1
0
−1
−2

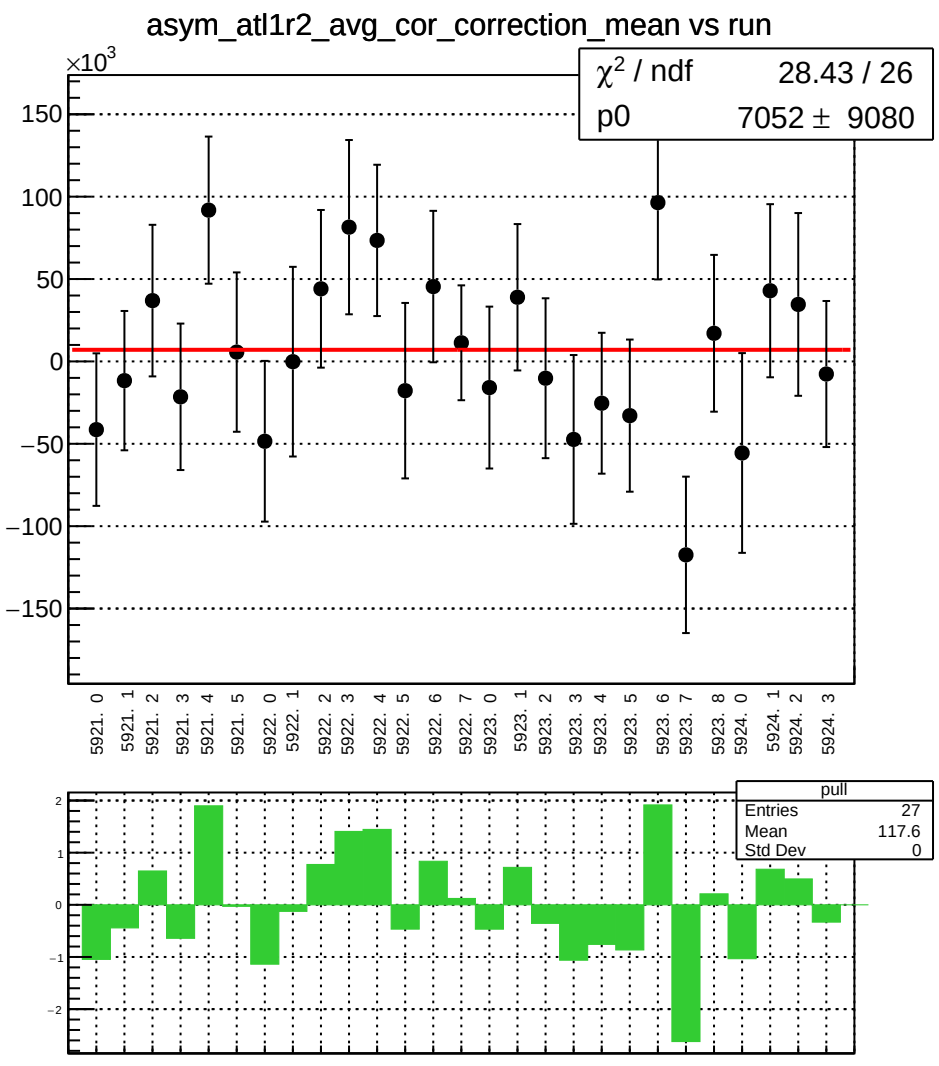

pull1D
Entries 27
Mean −0.008488
Std Dev 1.026
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

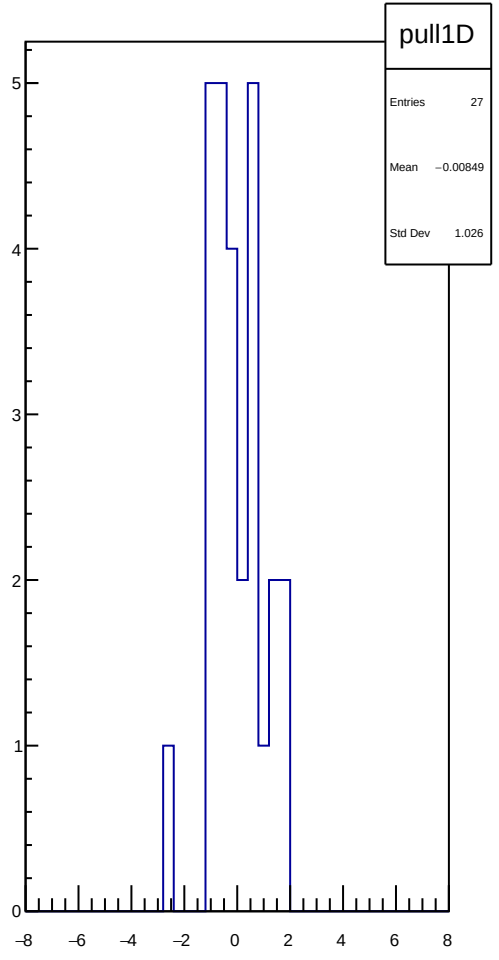

asym_atl1r2_avg_reg_correction_rms vs run
χ² / ndf 4185 / 26
p0 4598 ± 6.42
5800
5600
5400
5200
5000
4800
4600
4400
4200
4000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

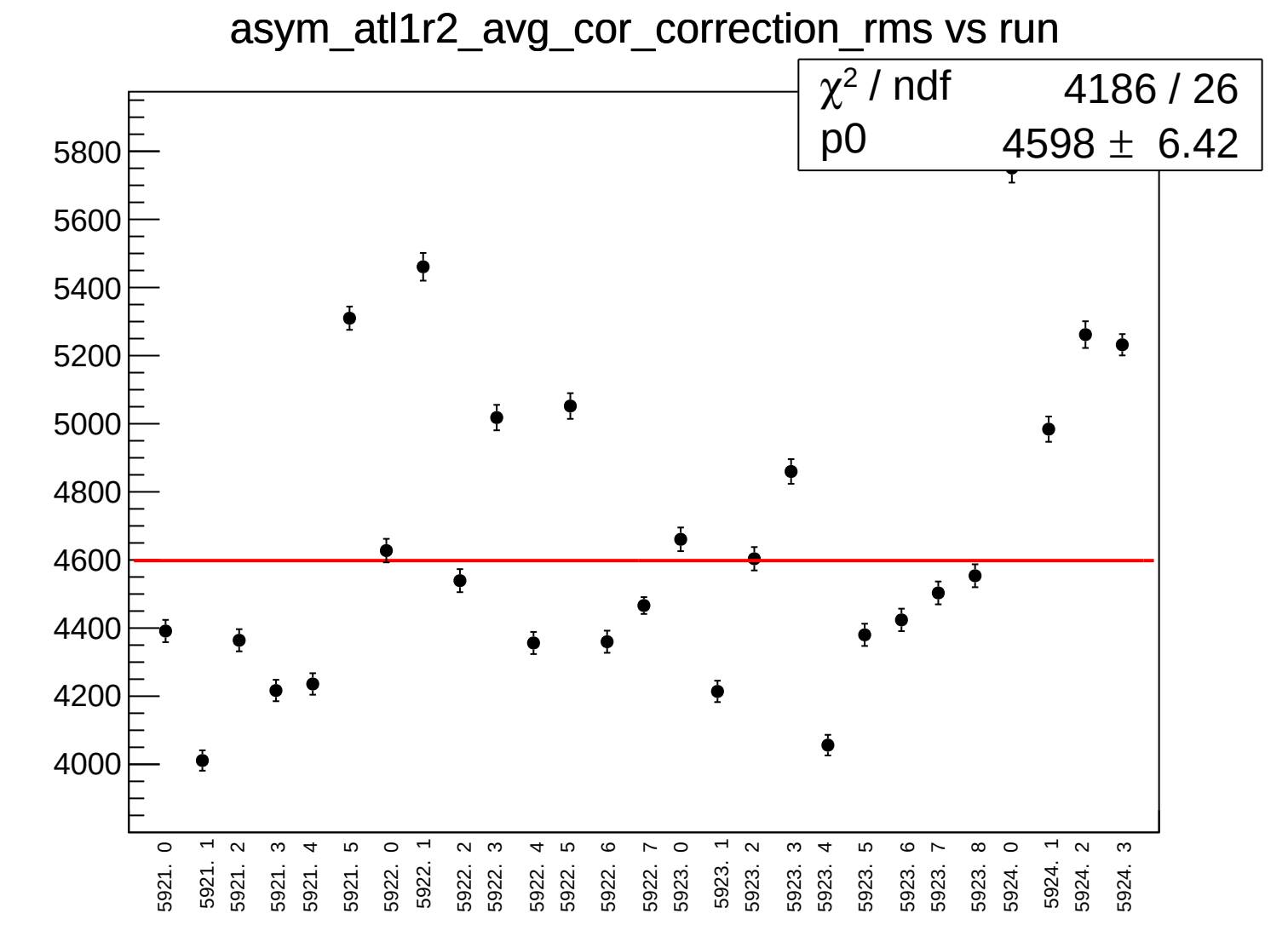

cor_asym_atl1r2_avg_mean vs run
χ² / ndf 21.41 / 26
p0 −125.5 ± 3656
60000
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −34.04
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 27
Mean −0.01713
Std Dev 0.8902
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_atl1r2_avg_rms vs run
χ² / ndf 36.95 / 26
p0 1859 ± 2.585
1920
1900
1880
1860
1840
1820
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


asym_atl1r2_avg_cor_correction_mean vs run
×10^3
χ^2 / ndf 28.43 / 26
p0 7052 ± 9080
150
100
50
0
−50
−100
−150
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 117.6
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 27
Mean −0.00849
Std Dev 1.026
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_avg_cor_correction_rms vs run
χ² / ndf 4186 / 26
p0 4598 ± 6.42
5800
5600
5400
5200
5000
4800
4600
4400
4200
4000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
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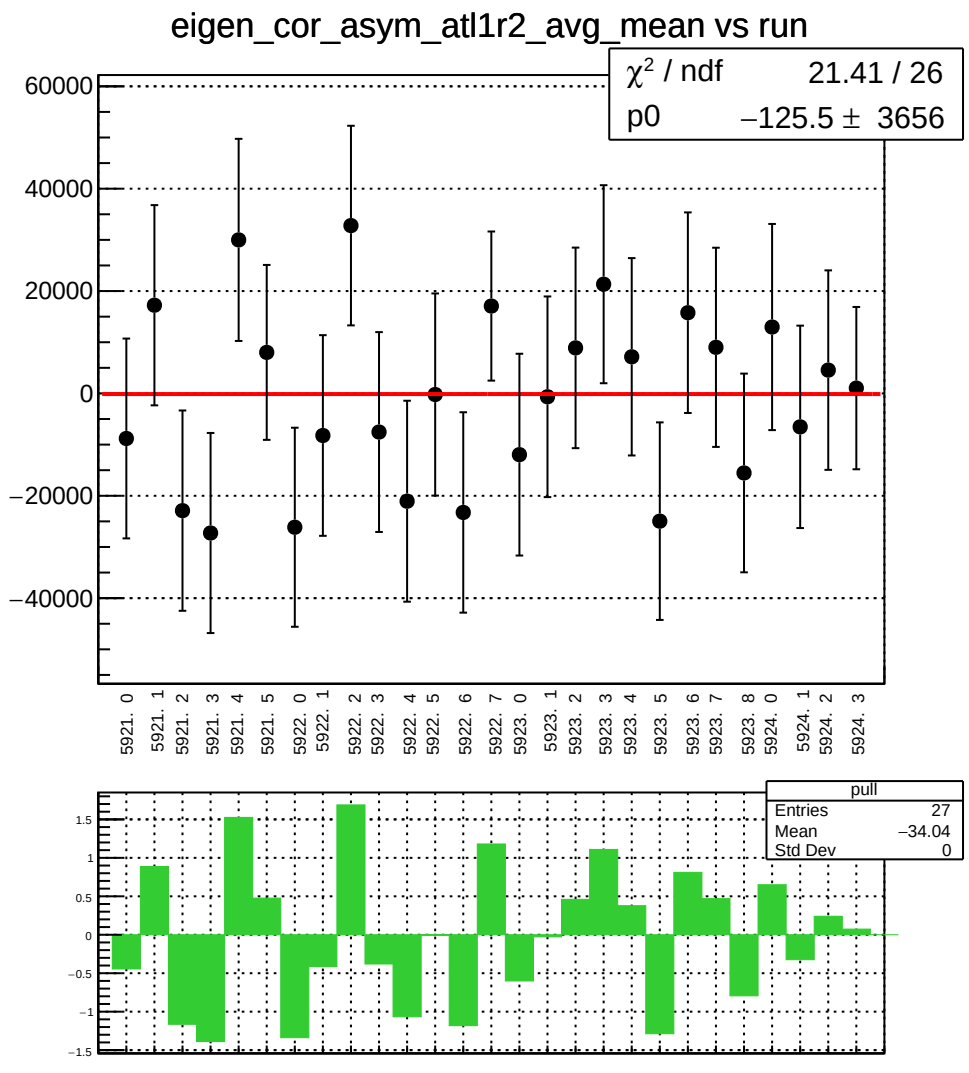
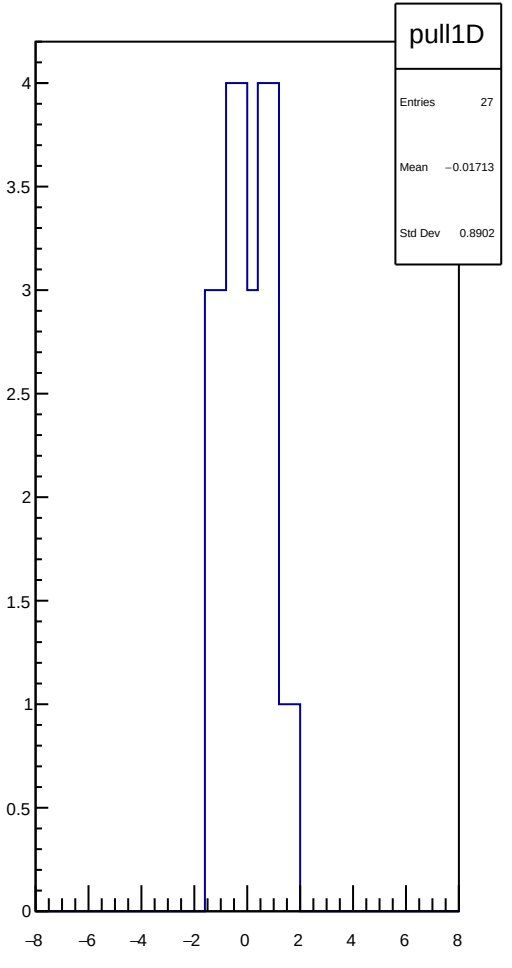
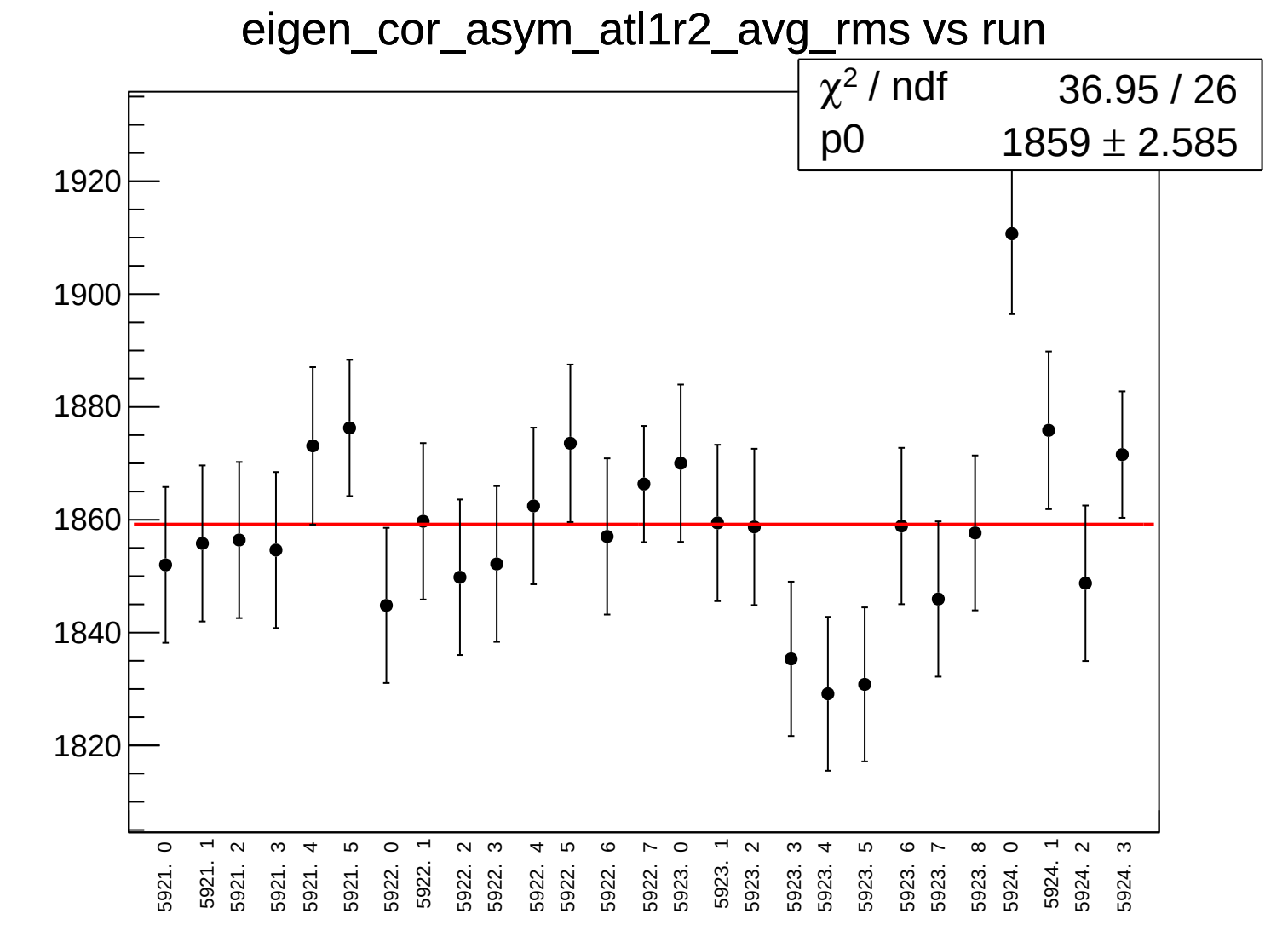
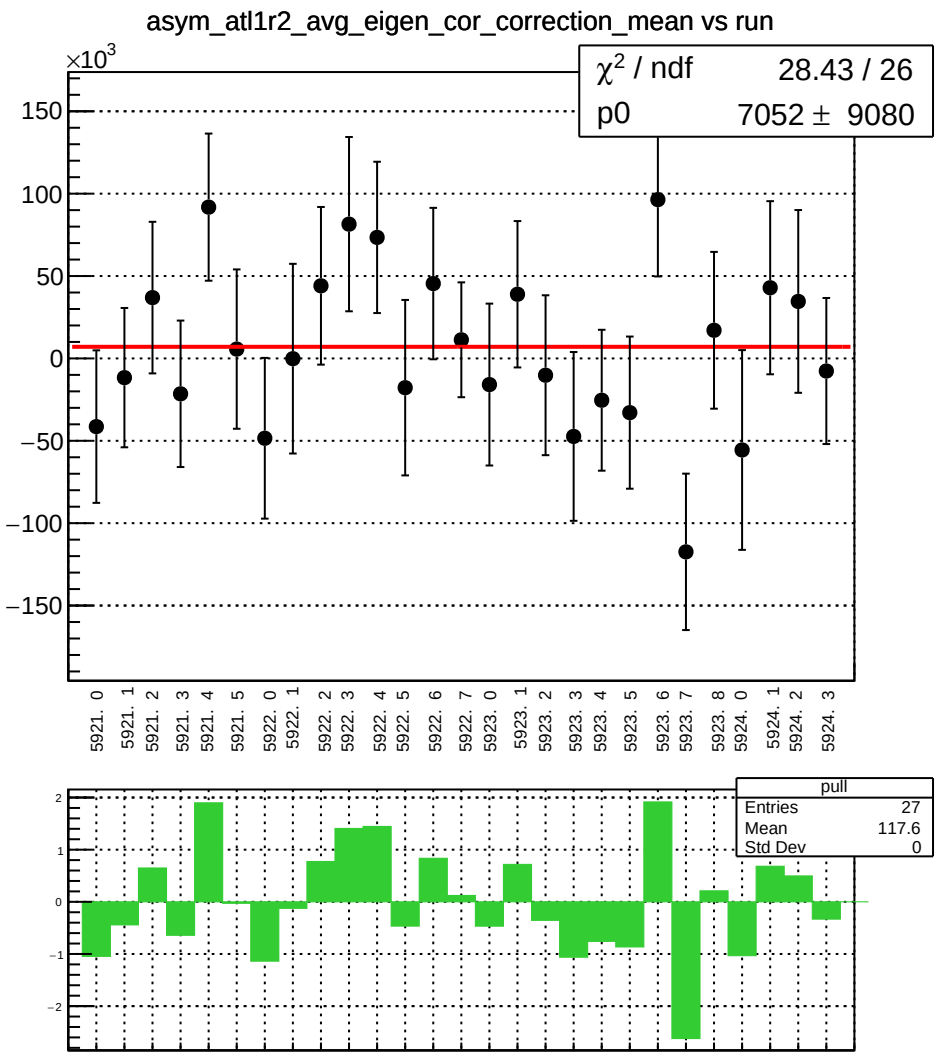
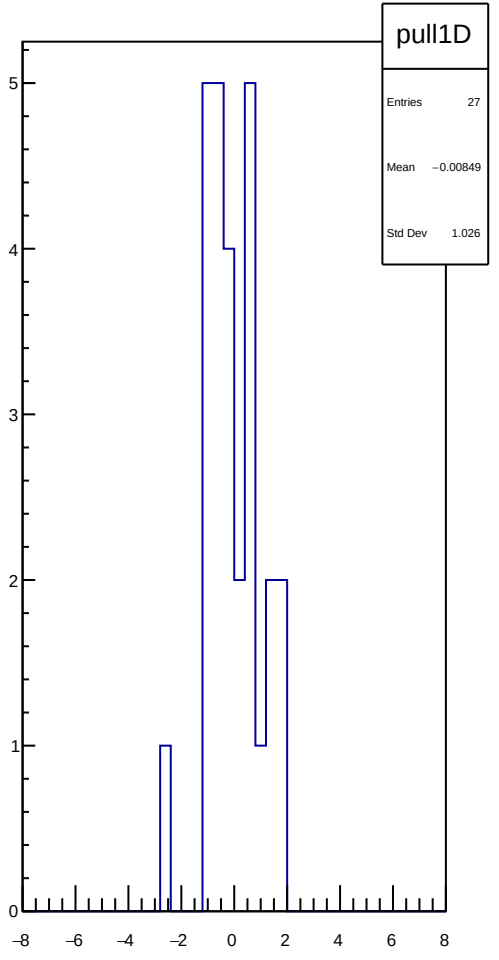
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

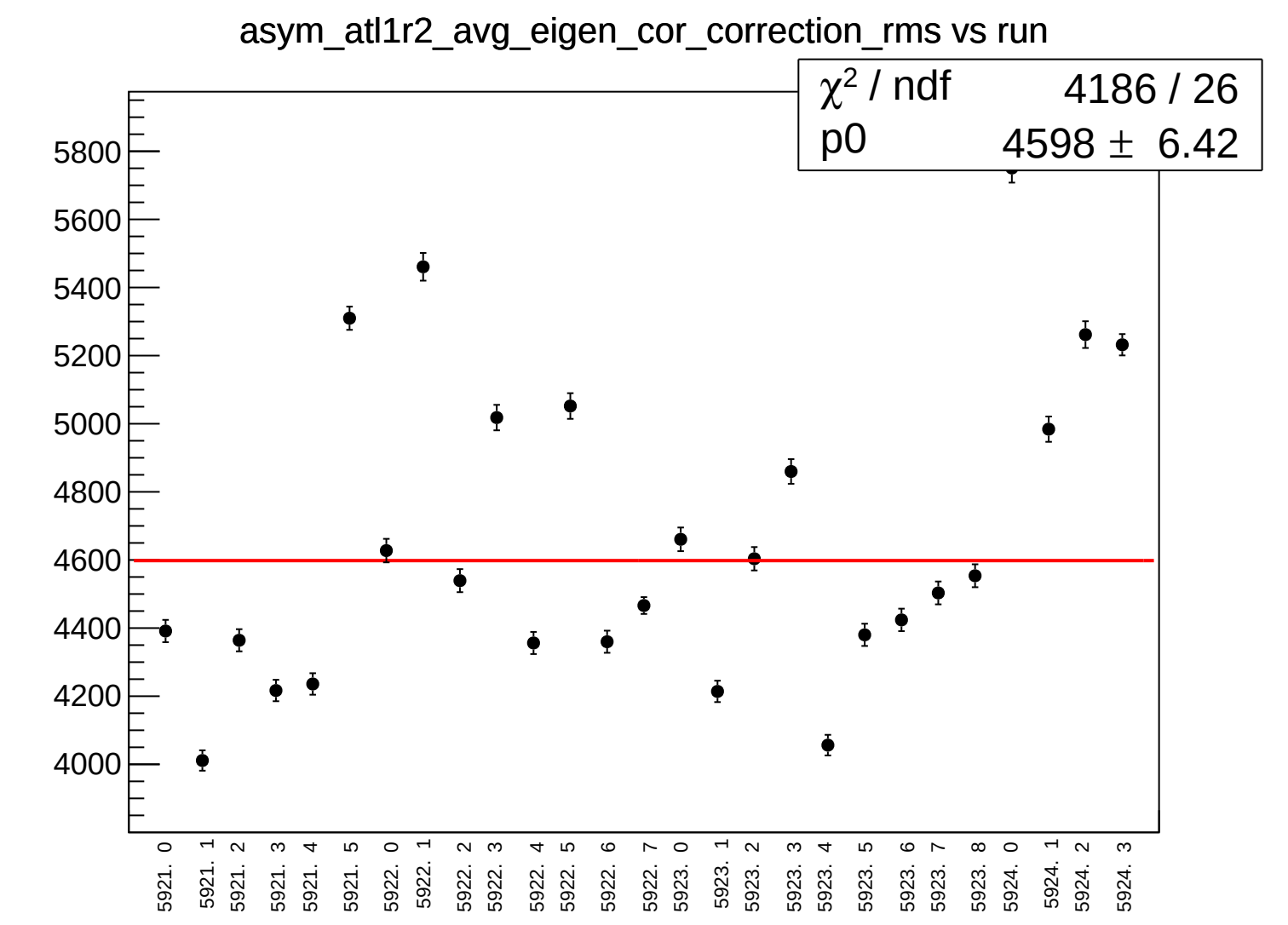

eigen_cor_asym_atl1r2_avg_mean vs run
χ² / ndf 21.41 / 26
p0 −125.5 ± 3656
60000
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −34.04
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

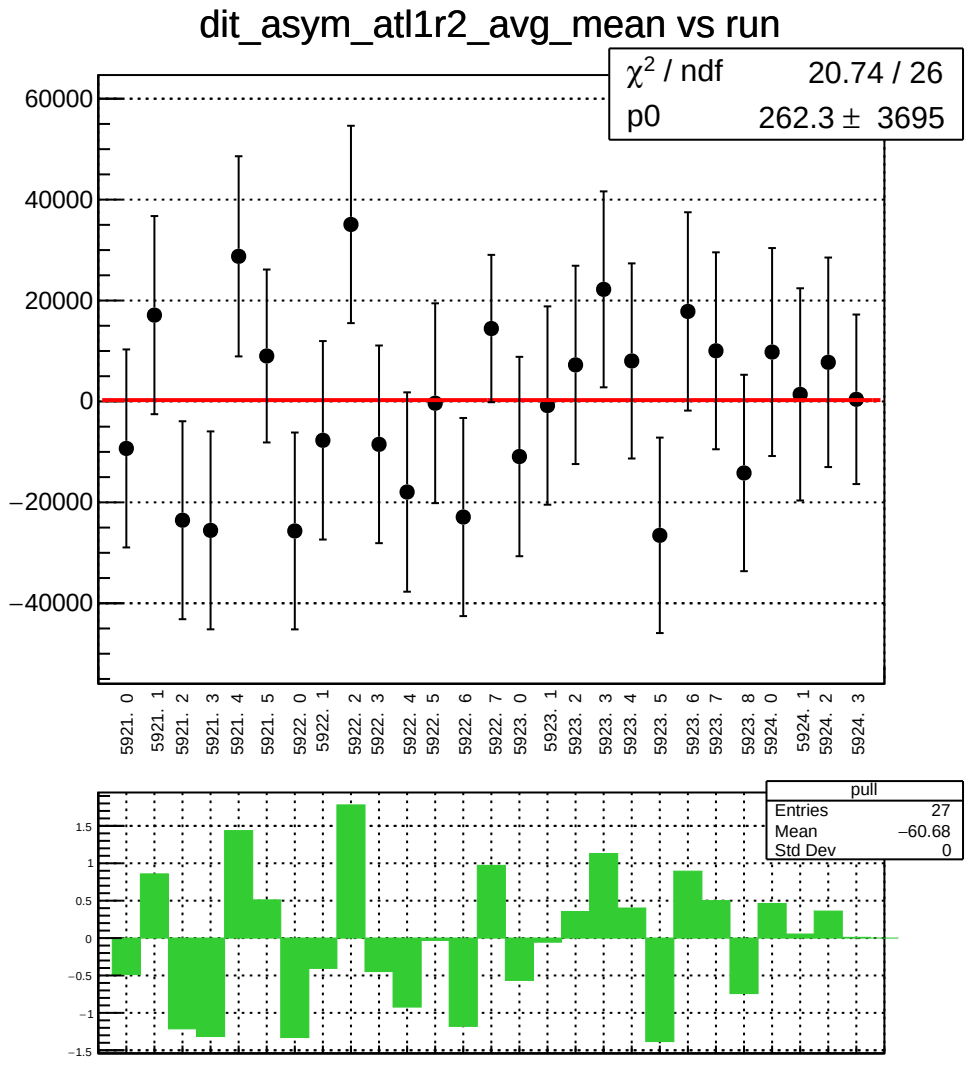

pull1D
Entries 27
Mean −0.01713
Std Dev 0.8902
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

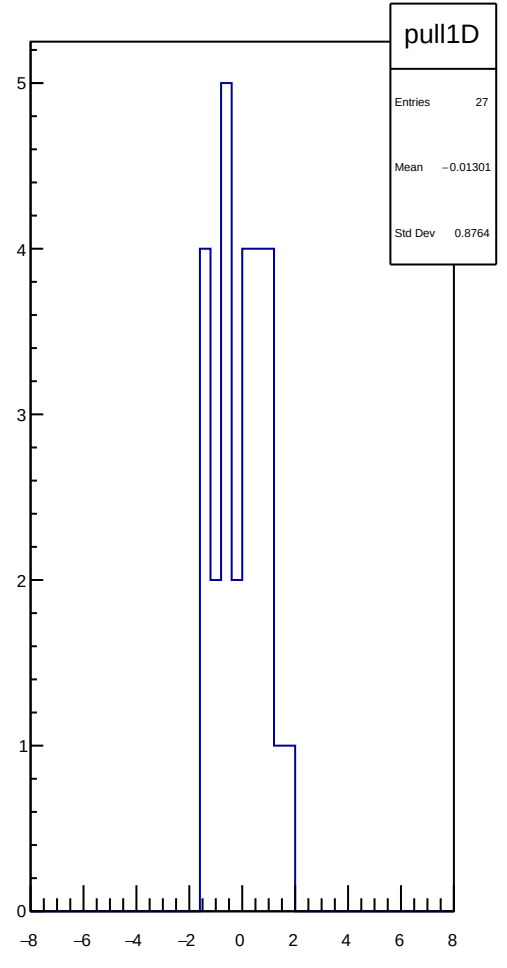

eigen_cor_asym_atl1r2_avg_rms vs run
χ² / ndf 36.95 / 26
p0 1859 ± 2.585
1920
1900
1880
1860
1840
1820
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

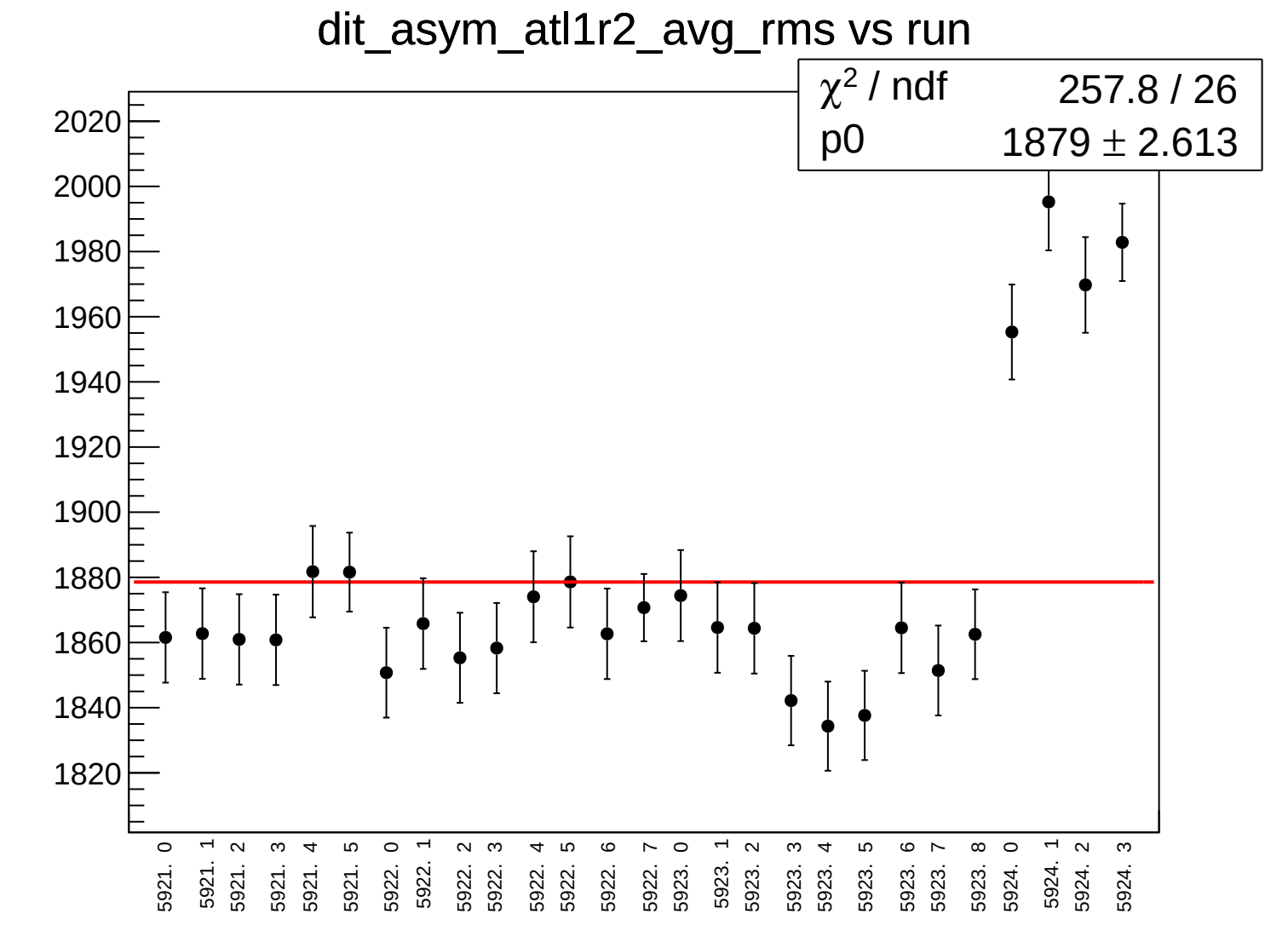

asym_atl1r2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 28.43 / 26
p0 7052 ± 9080
150
100
50
0
−50
−100
−150
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 117.6
Std Dev 0
2
1
0
−1
−2

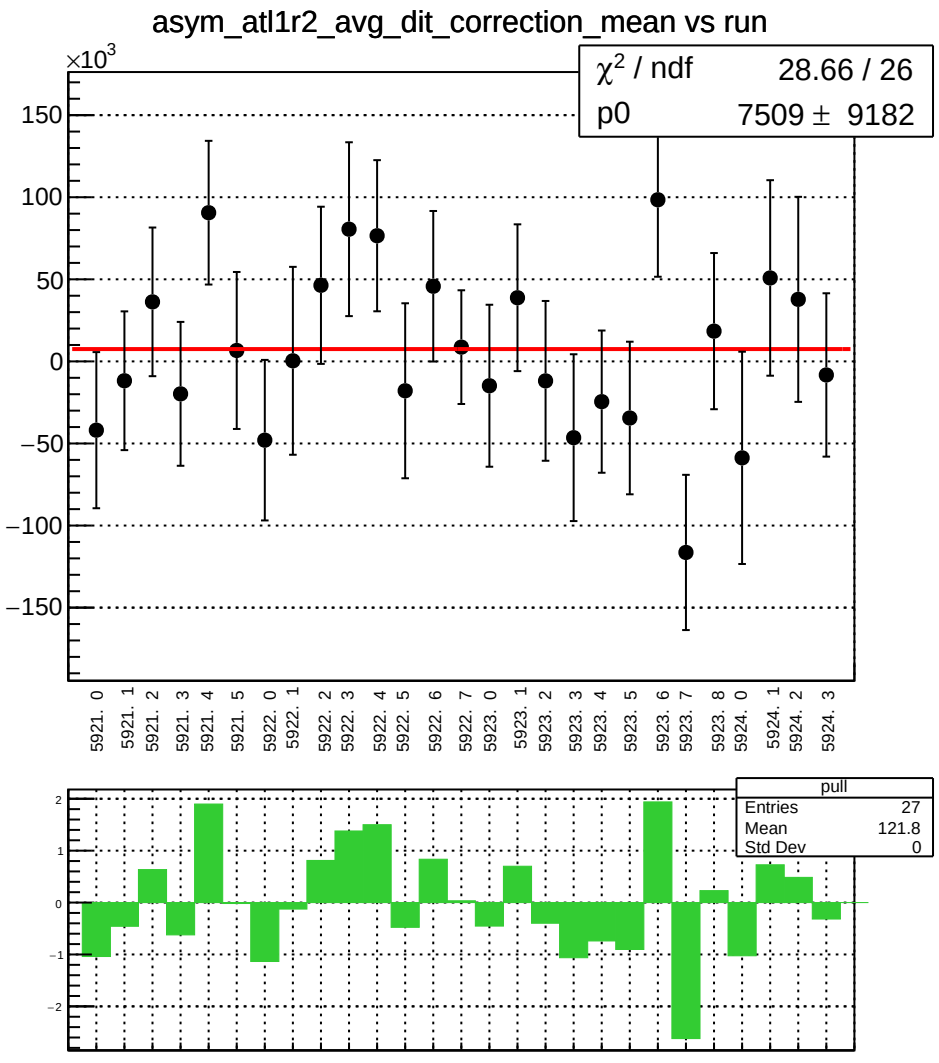

pull1D
Entries 27
Mean −0.00849
Std Dev 1.026
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

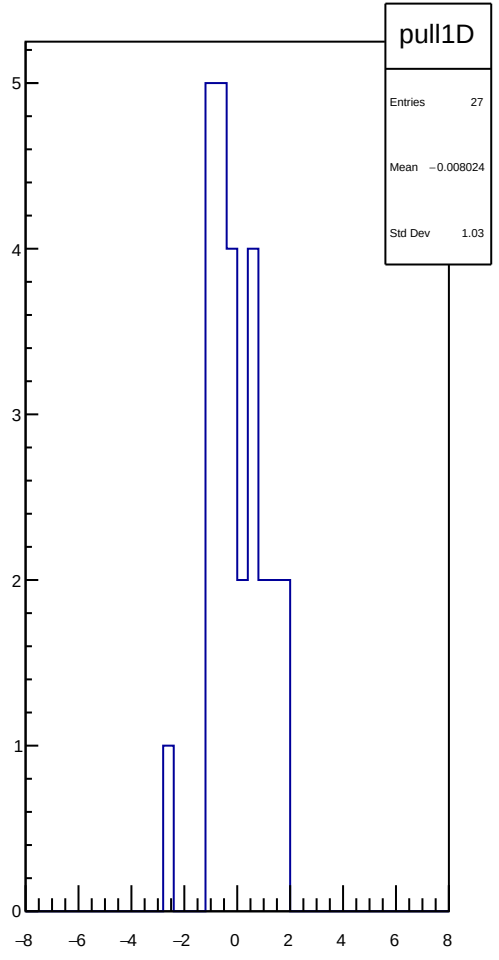

asym_atl1r2_avg_eigen_cor_correction_rms vs run
χ² / ndf 4186 / 26
p0 4598 ± 6.42
5800
5600
5400
5200
5000
4800
4600
4400
4200
4000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

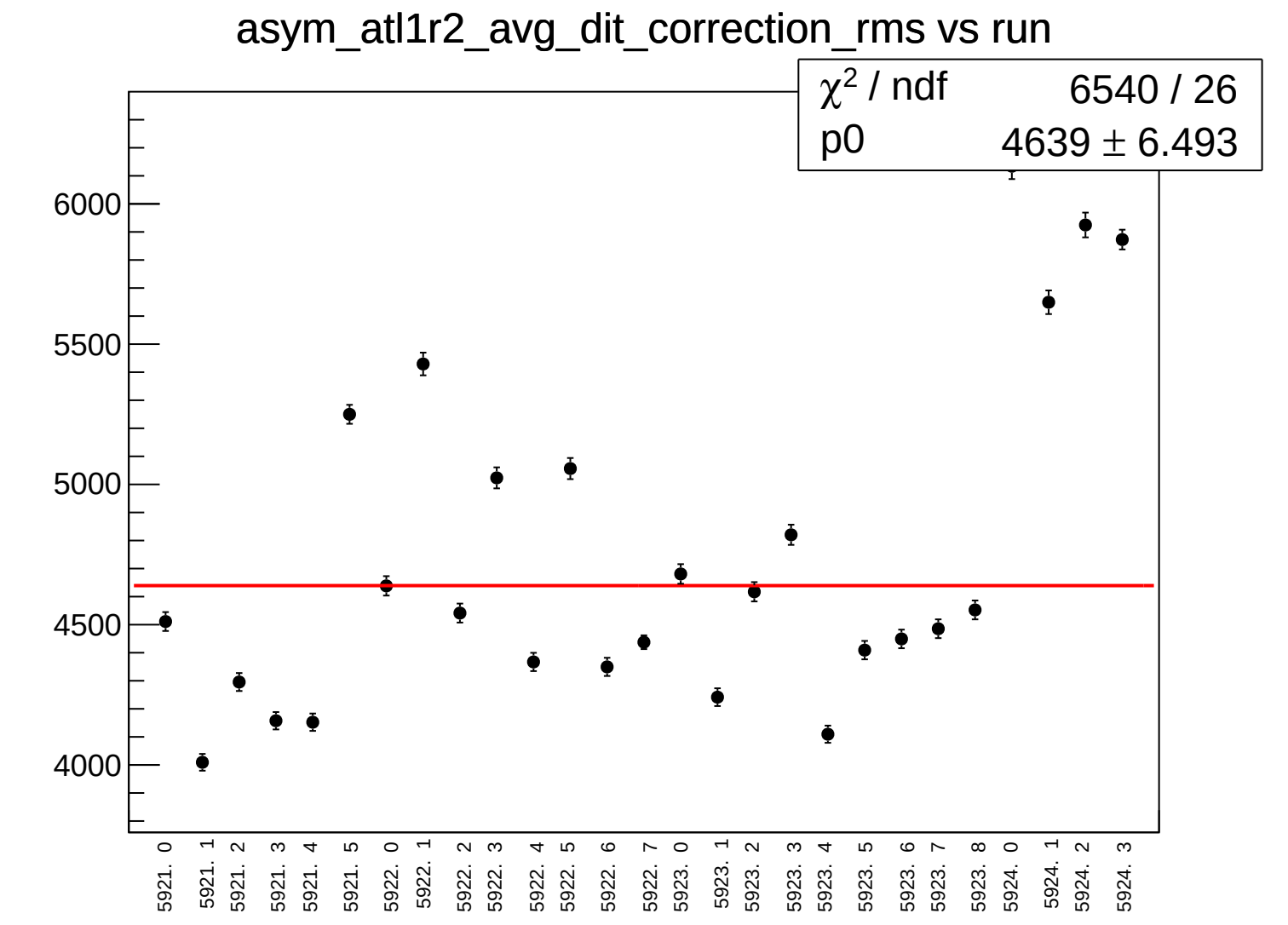

dit_asym_atl1r2_avg_mean vs run
χ² / ndf 20.74 / 26
p0 262.3 ± 3695
60000
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −60.68
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

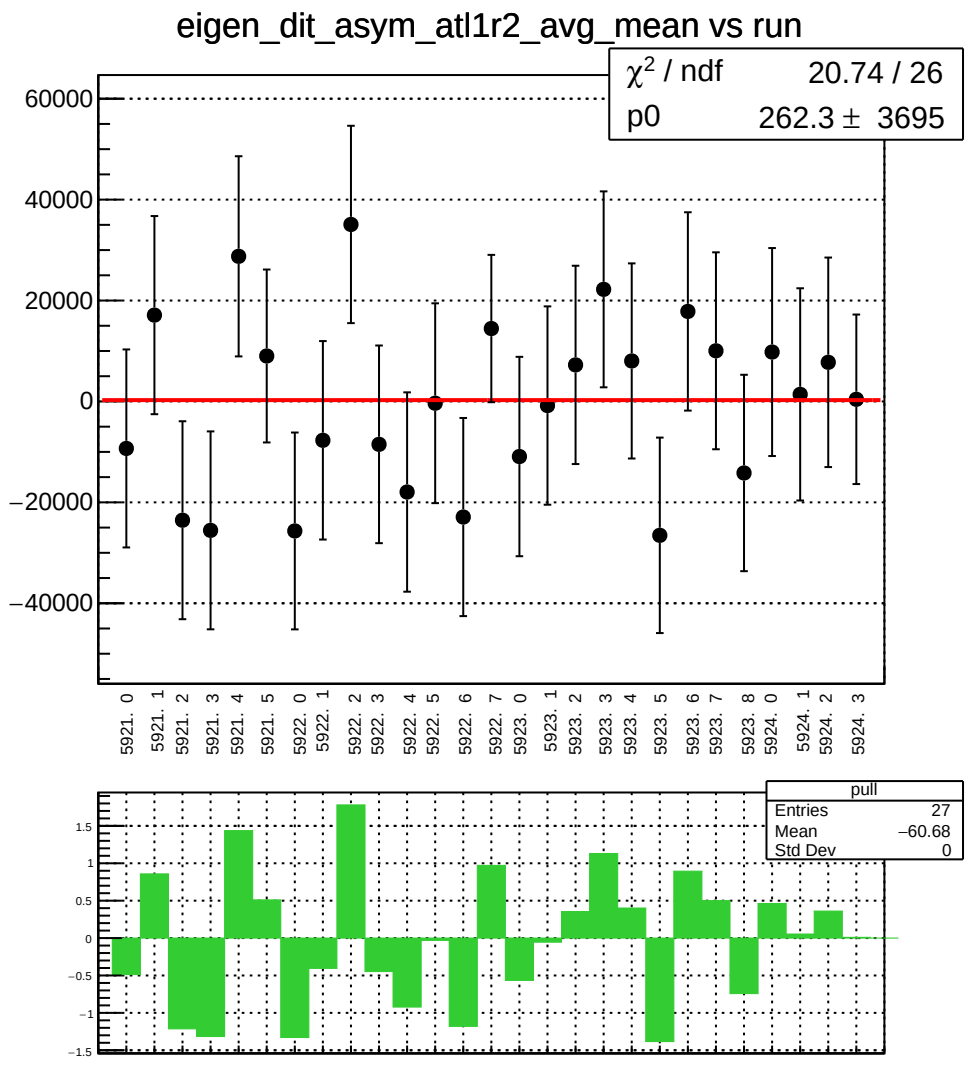

pull1D
Entries 27
Mean −0.01301
Std Dev 0.8764
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

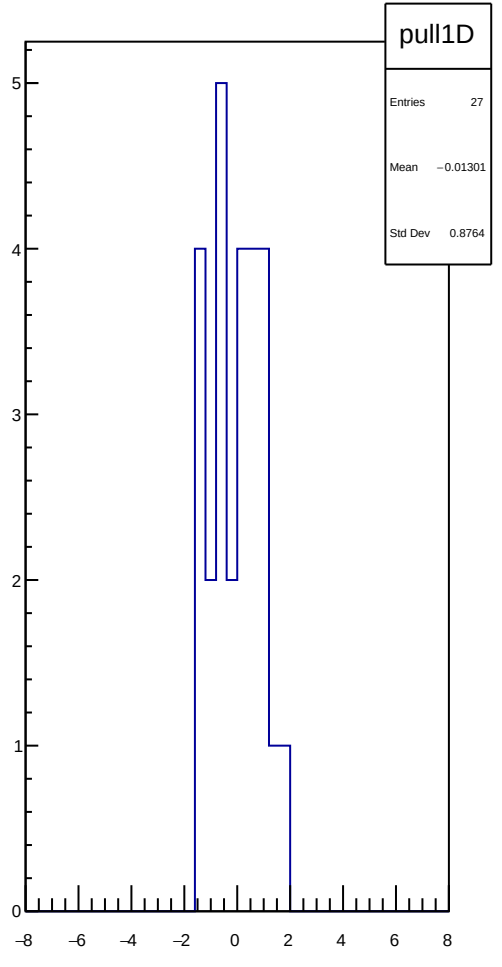

dit_asym_atl1r2_avg_rms vs run
χ² / ndf 257.8 / 26
p0 1879 ± 2.613
2020
2000
1980
1960
1940
1920
1900
1880
1860
1840
1820
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

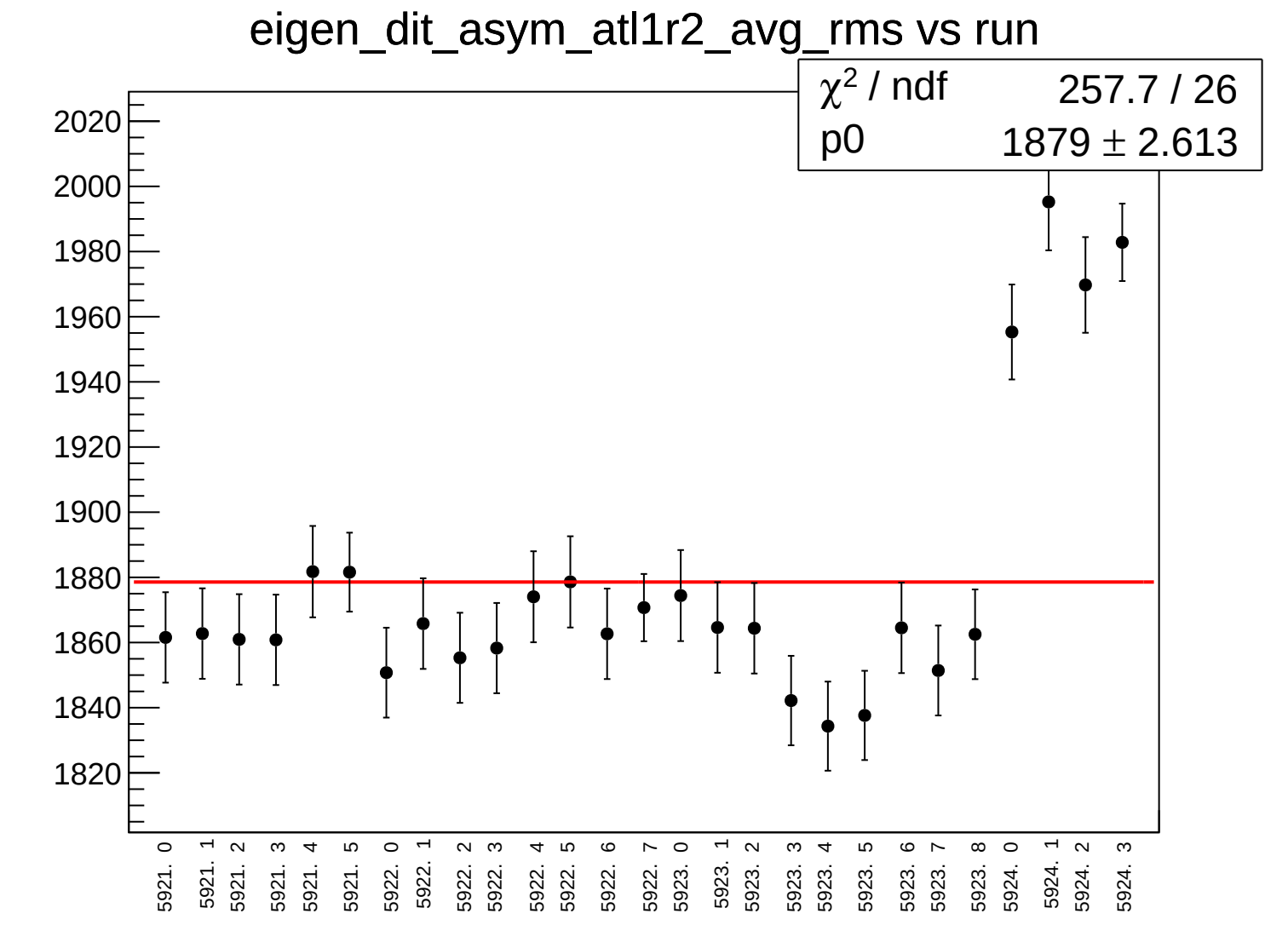

asym_atl1r2_avg_dit_correction_mean vs run
×10^3
χ^2 / ndf 28.66 / 26
p0 7509 ± 9182
150
100
50
0
−50
−100
−150
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 121.8
Std Dev 0
2
1
0
−1
−2

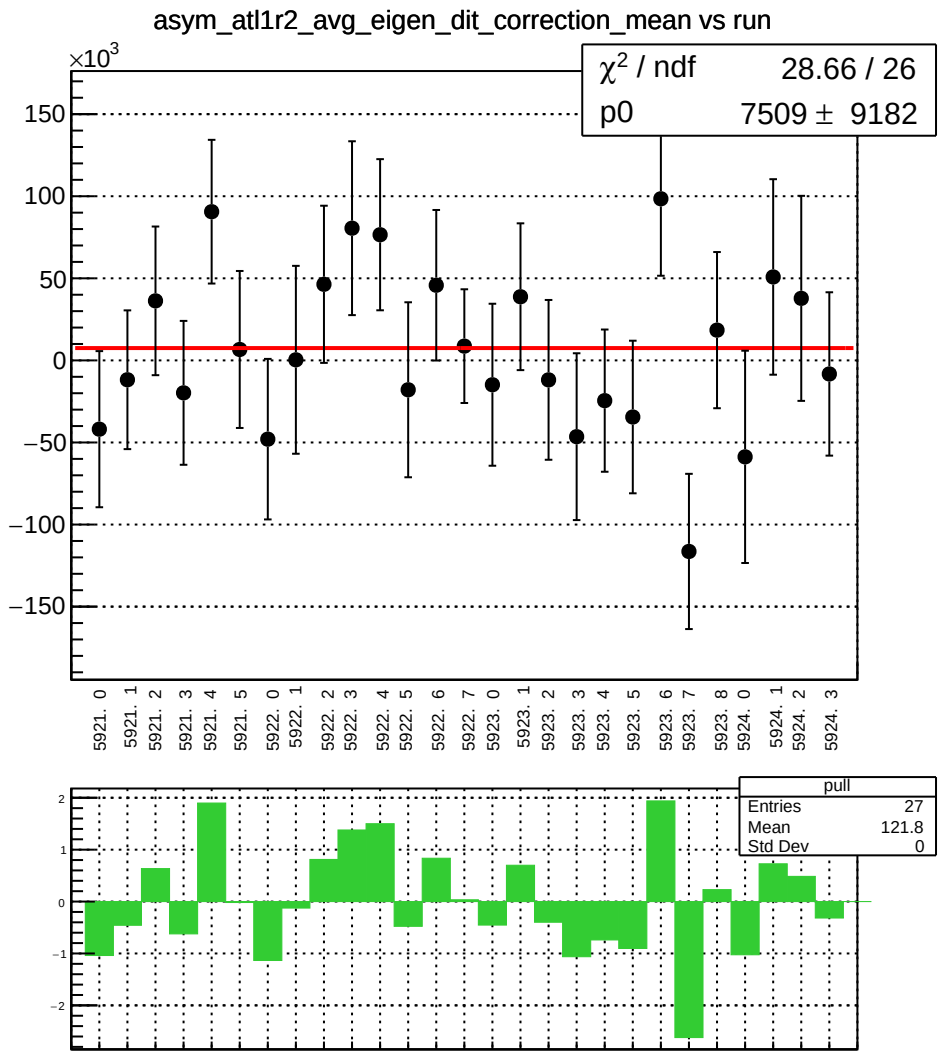

pull1D
Entries 27
Mean −0.008024
Std Dev 1.03
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

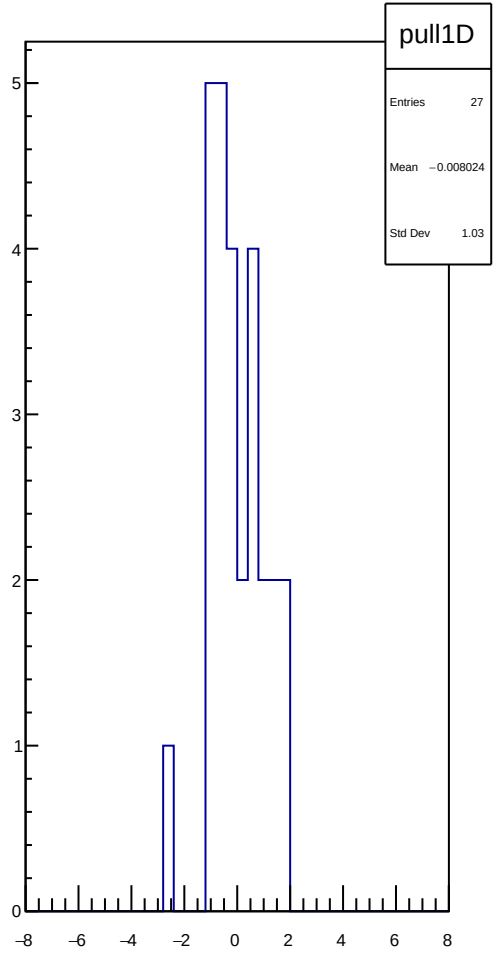

asym_atl1r2_avg_dit_correction_rms vs run
χ² / ndf 6540 / 26
p0 4639 ± 6.493
6000
5500
5000
4500
4000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

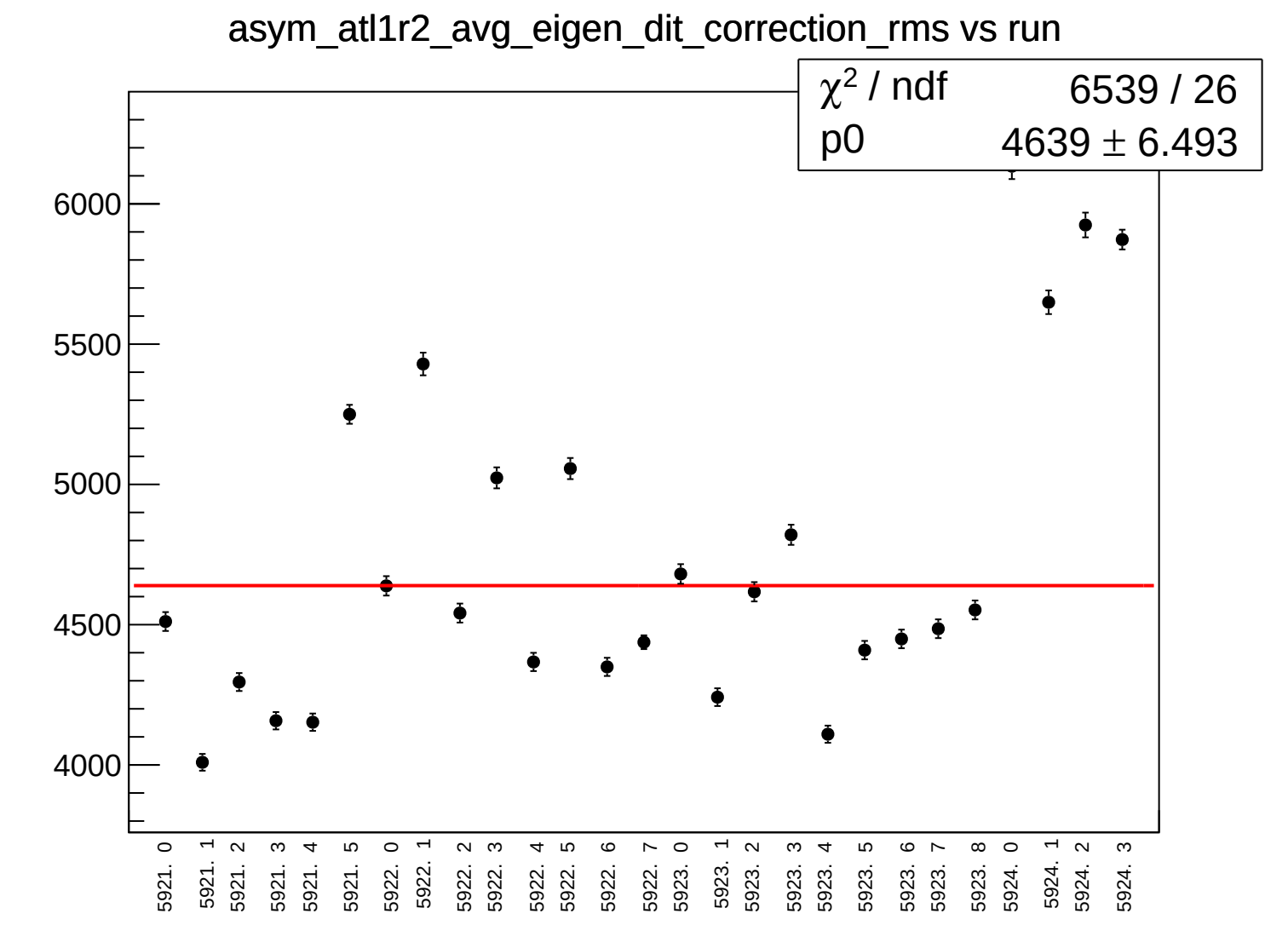

eigen_dit_asym_atl1r2_avg_mean vs run
χ² / ndf 20.74 / 26
p0 262.3 ± 3695
60000
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −60.68
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

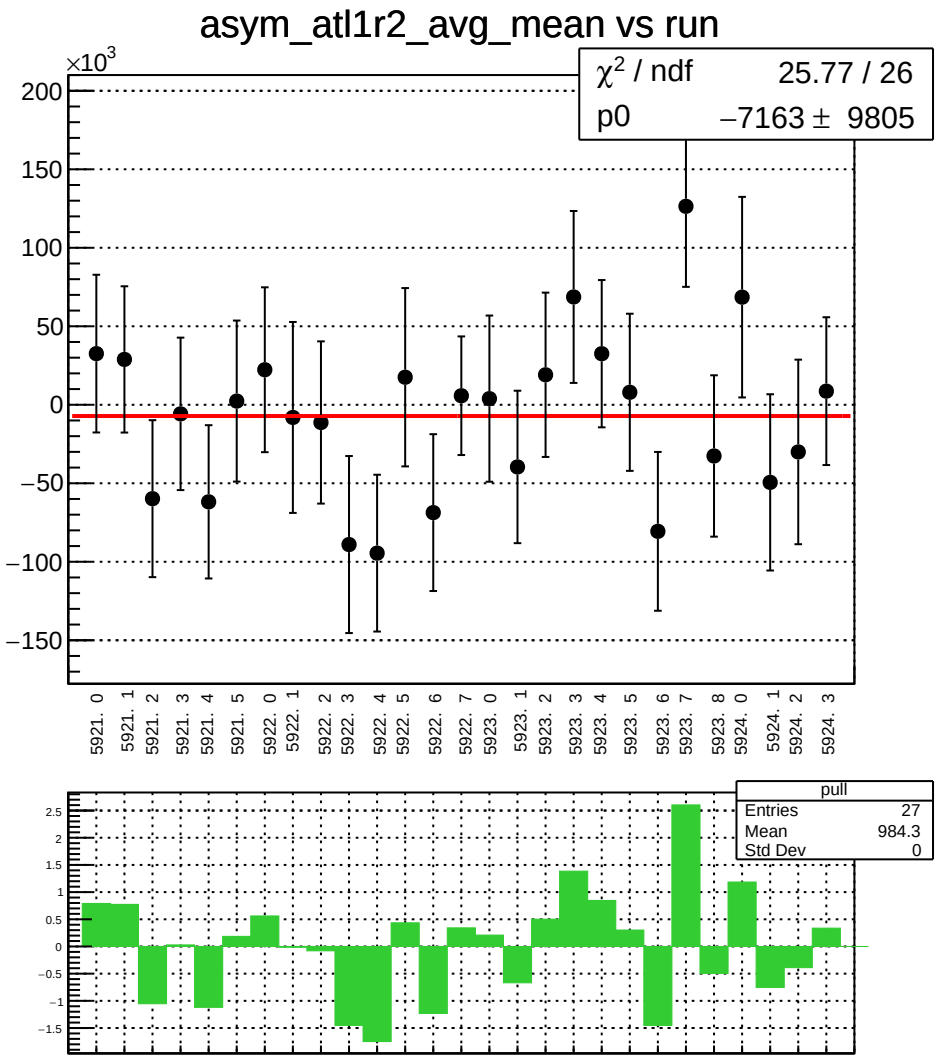

pull1D
Entries 27
Mean −0.01301
Std Dev 0.8764
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

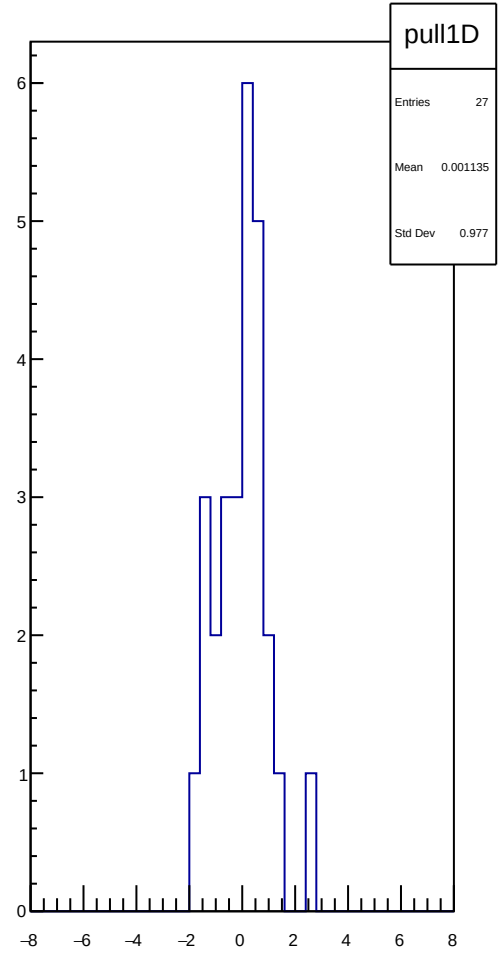

eigen_dit_asym_atl1r2_avg_rms vs run
χ² / ndf 257.7 / 26
p0 1879 ± 2.613
2020
2000
1980
1960
1940
1920
1900
1880
1860
1840
1820
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

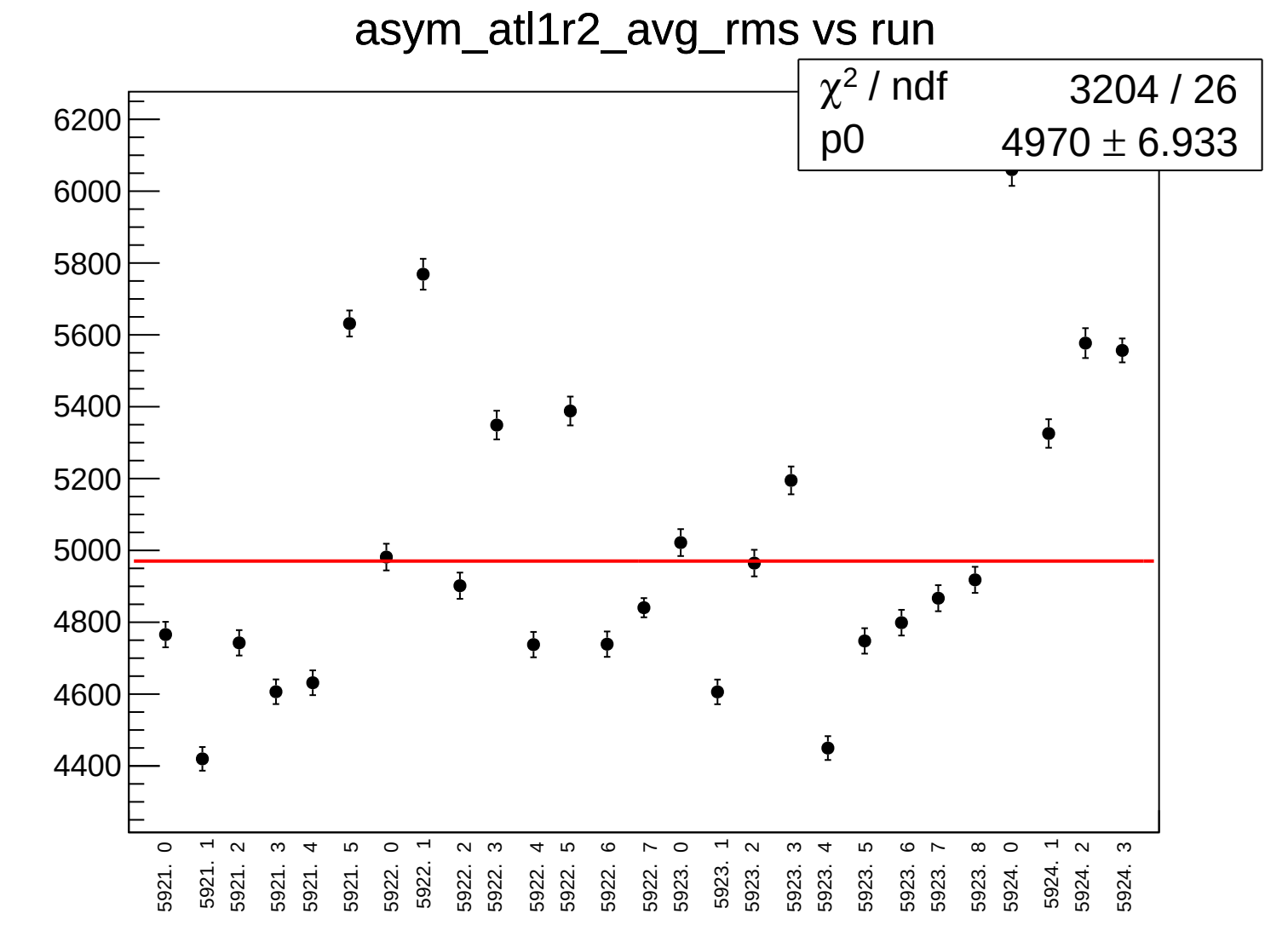

asym_atl1r2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 28.66 / 26
p0 7509 ± 9182
150
100
50
0
−50
−100
−150
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 121.8
Std Dev 0
2
1
0
−1
−2

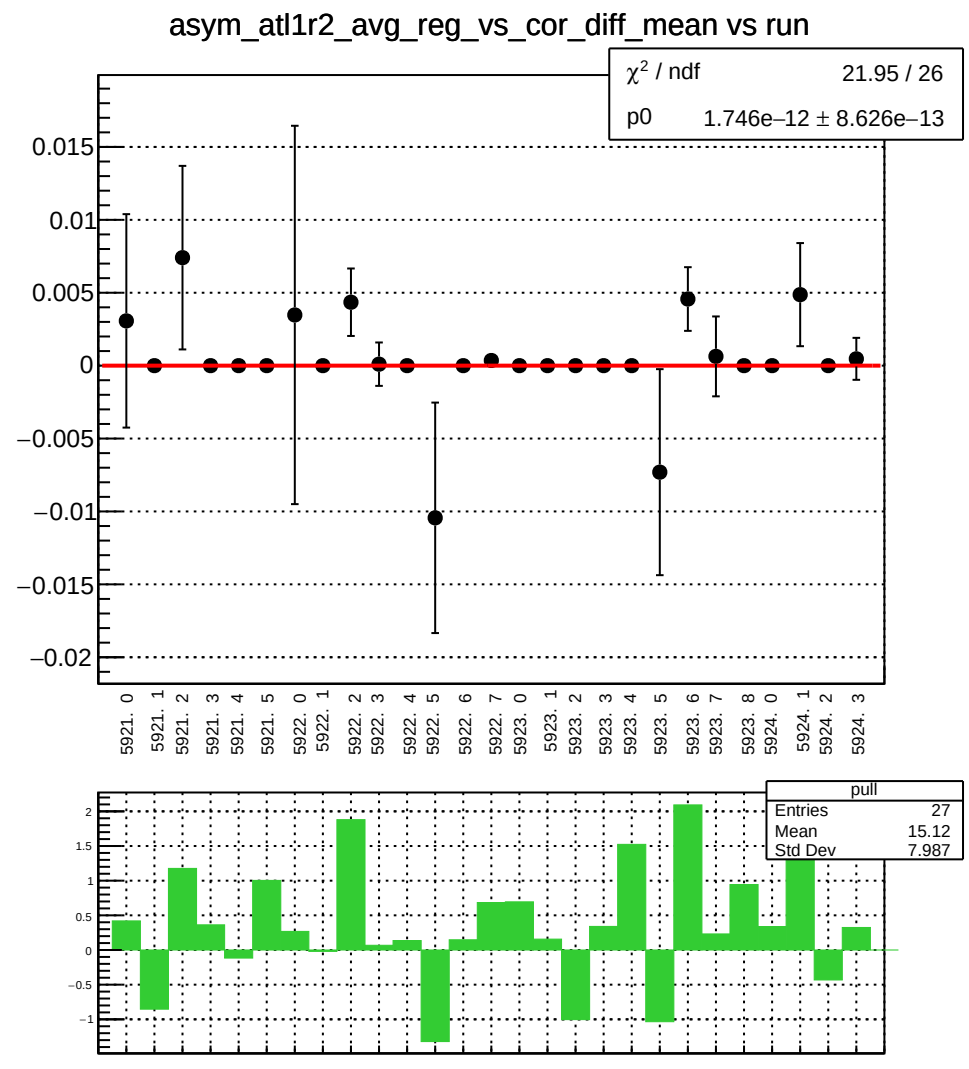

pull1D
Entries 27
Mean −0.008024
Std Dev 1.03
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

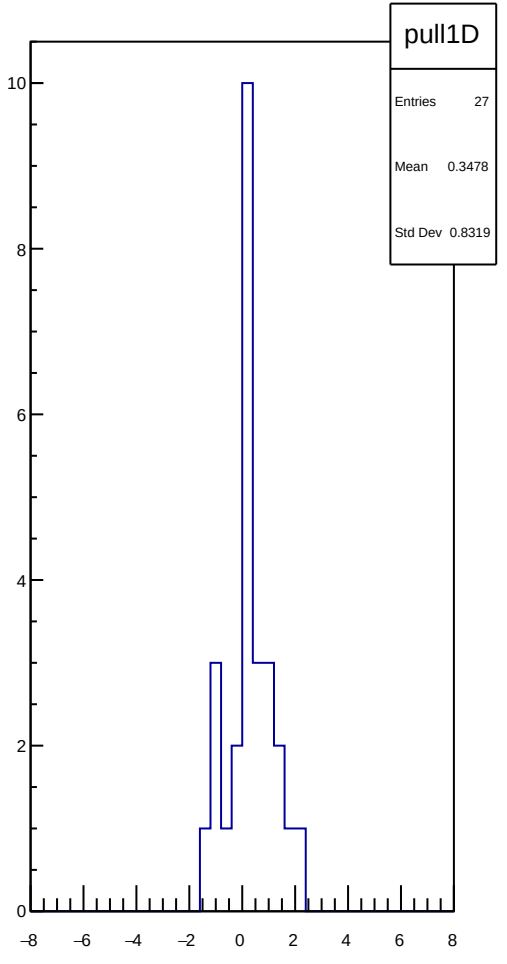

asym_atl1r2_avg_eigen_dit_correction_rms vs run
χ² / ndf 6539 / 26
p0 4639 ± 6.493
6000
5500
5000
4500
4000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

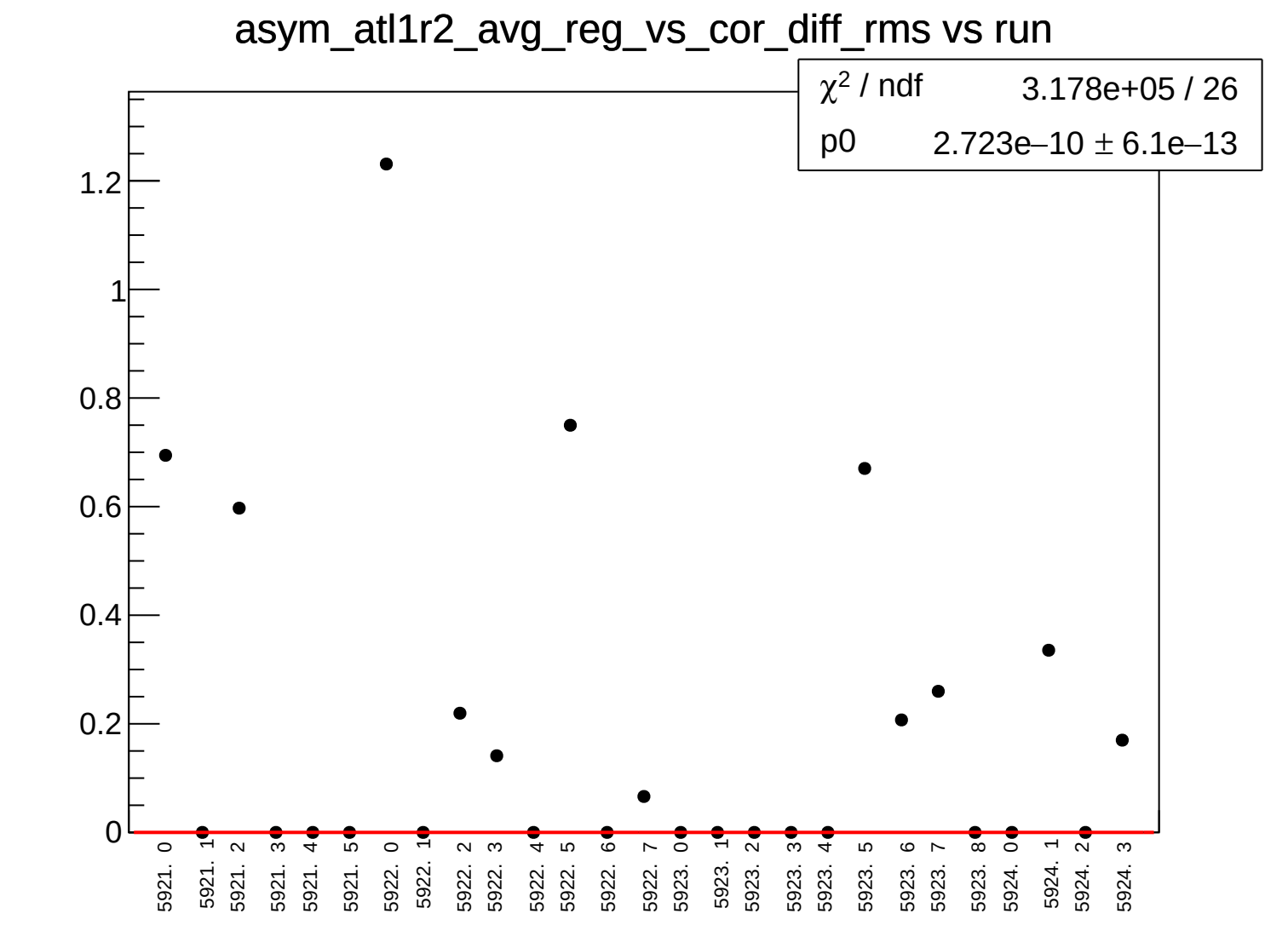

asym_atl1r2_avg_mean vs run
×10^3
χ^2 / ndf 25.77 / 26
p0 −7163 ± 9805
200
150
100
50
0
−50
−100
−150
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 984.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

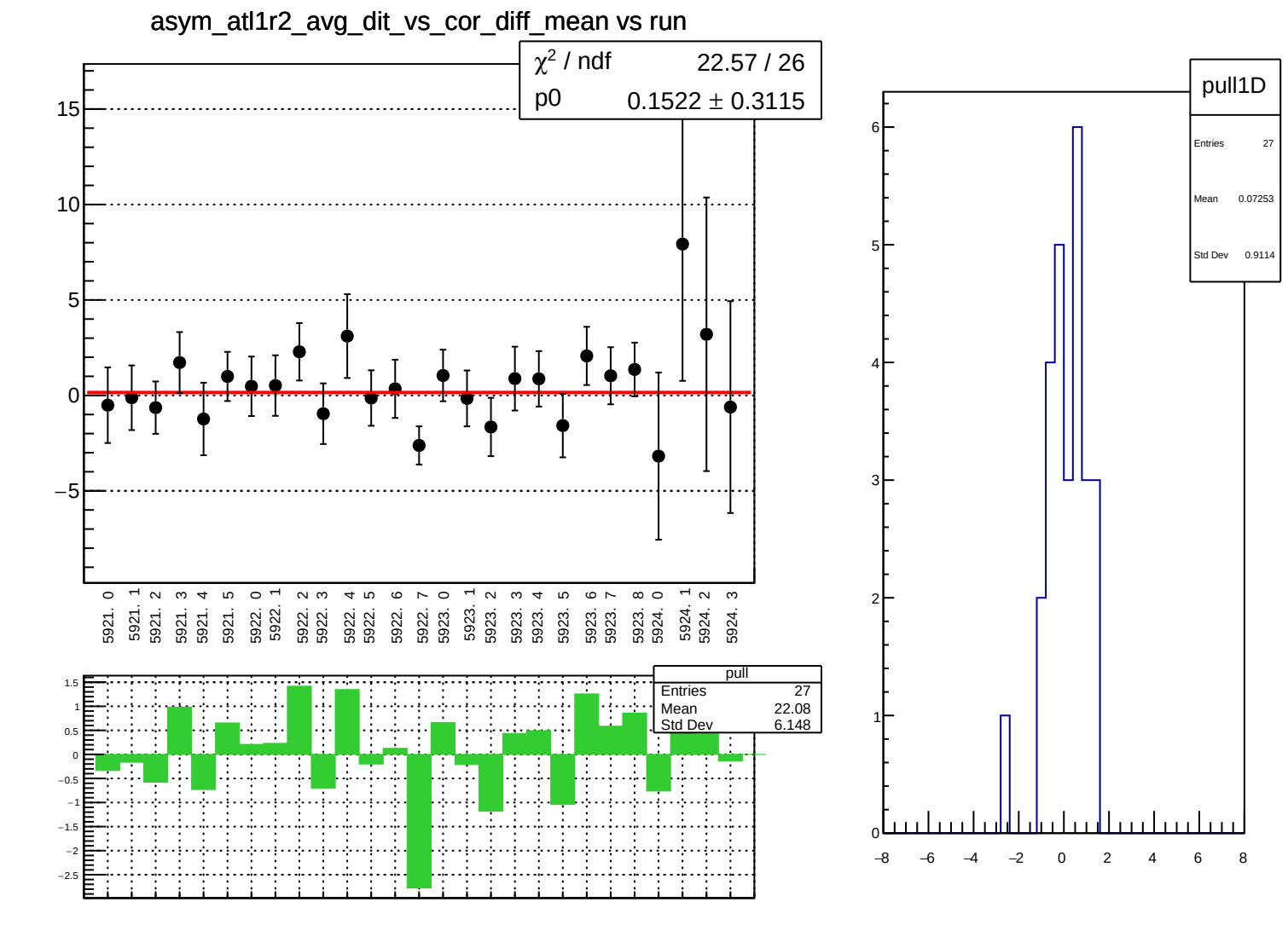

pull1D
Entries 27
Mean 0.001135
Std Dev 0.977
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

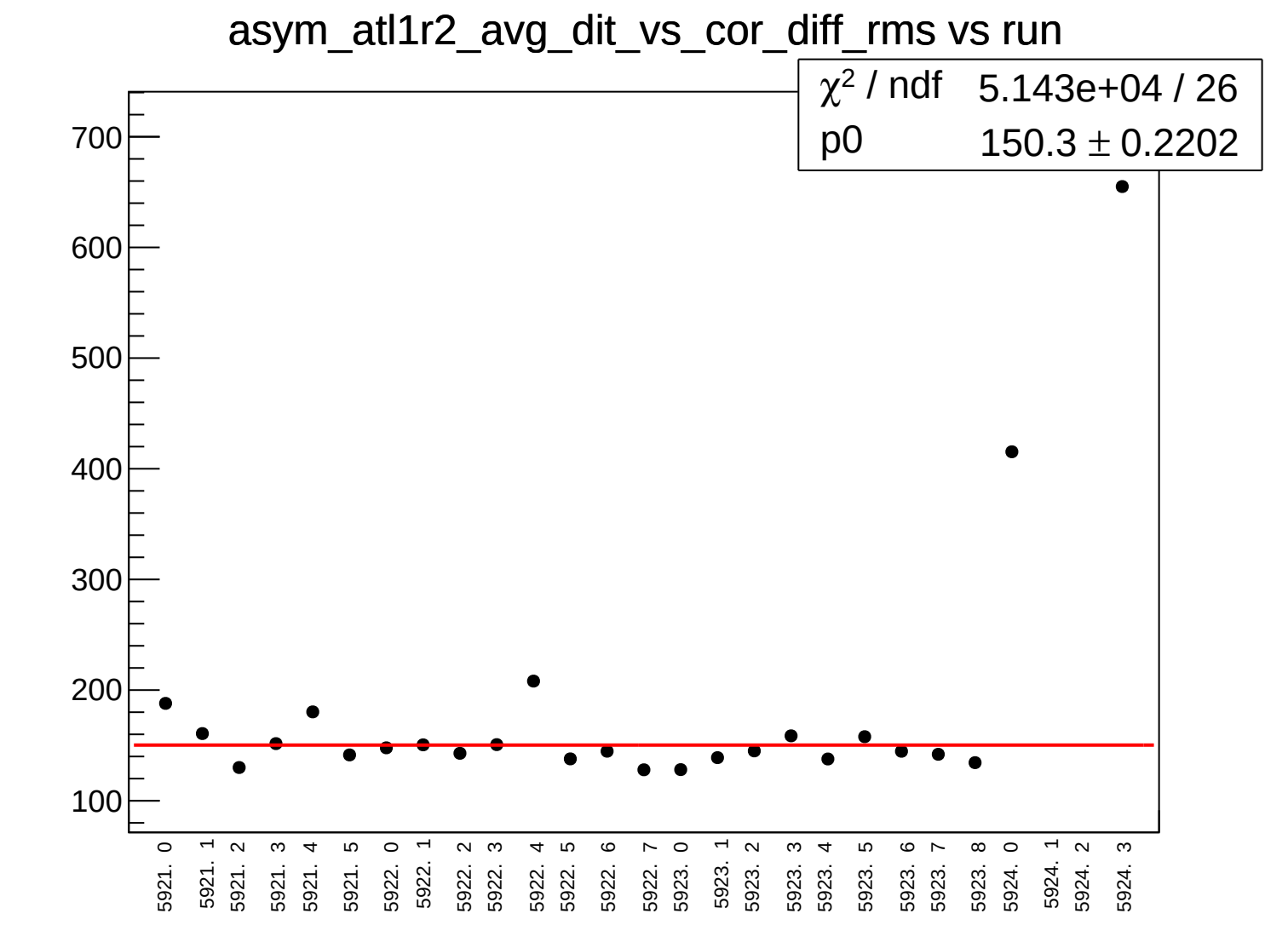

asym_atl1r2_avg_rms vs run
χ² / ndf 3204 / 26
p0 4970 ± 6.933
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

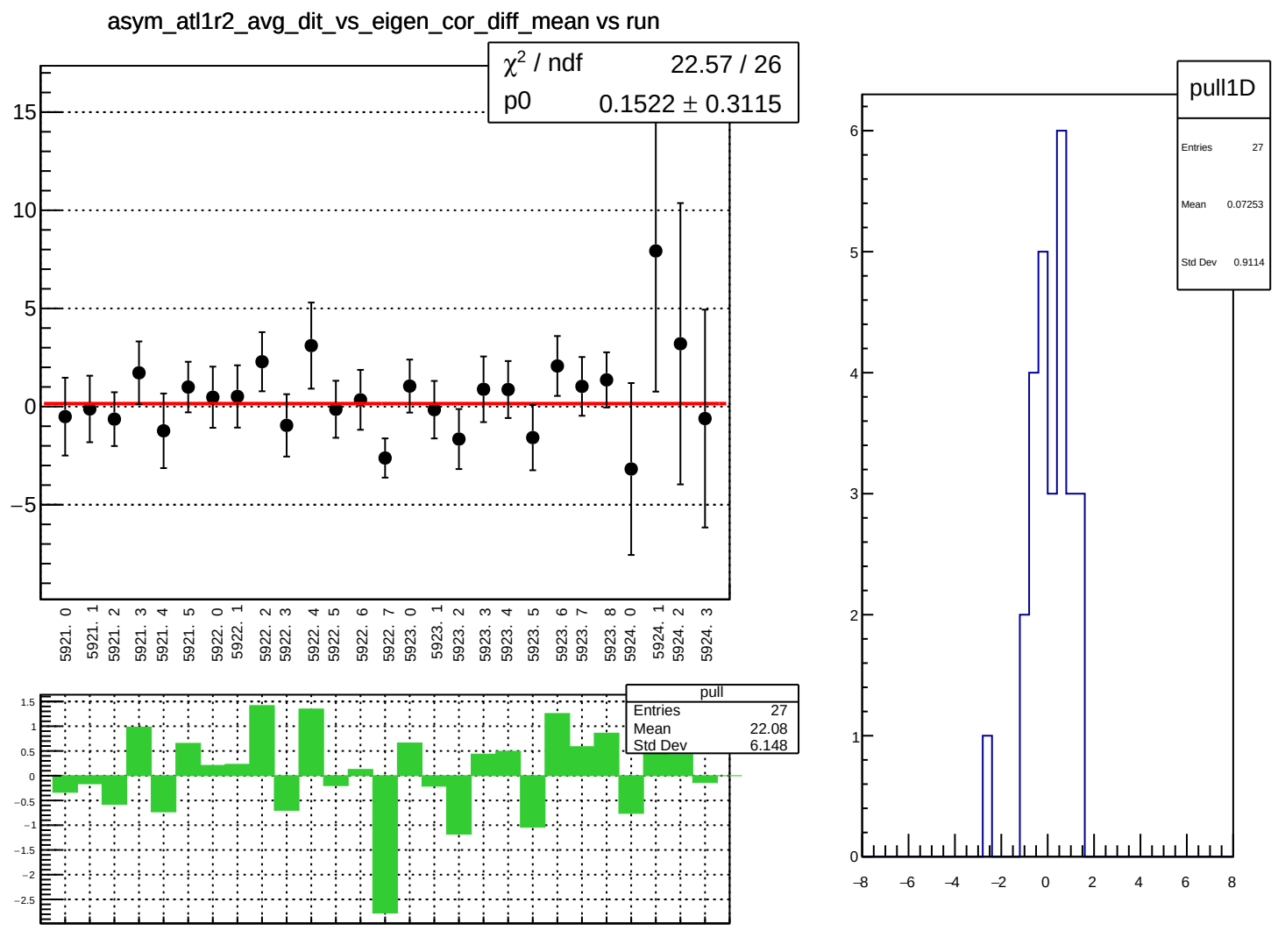

asym_atl1r2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 21.95 / 26
p0 1.746e−12 ± 8.626e−13
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 15.12
Std Dev 7.987
2
1.5
1
0.5
0
−0.5
−1

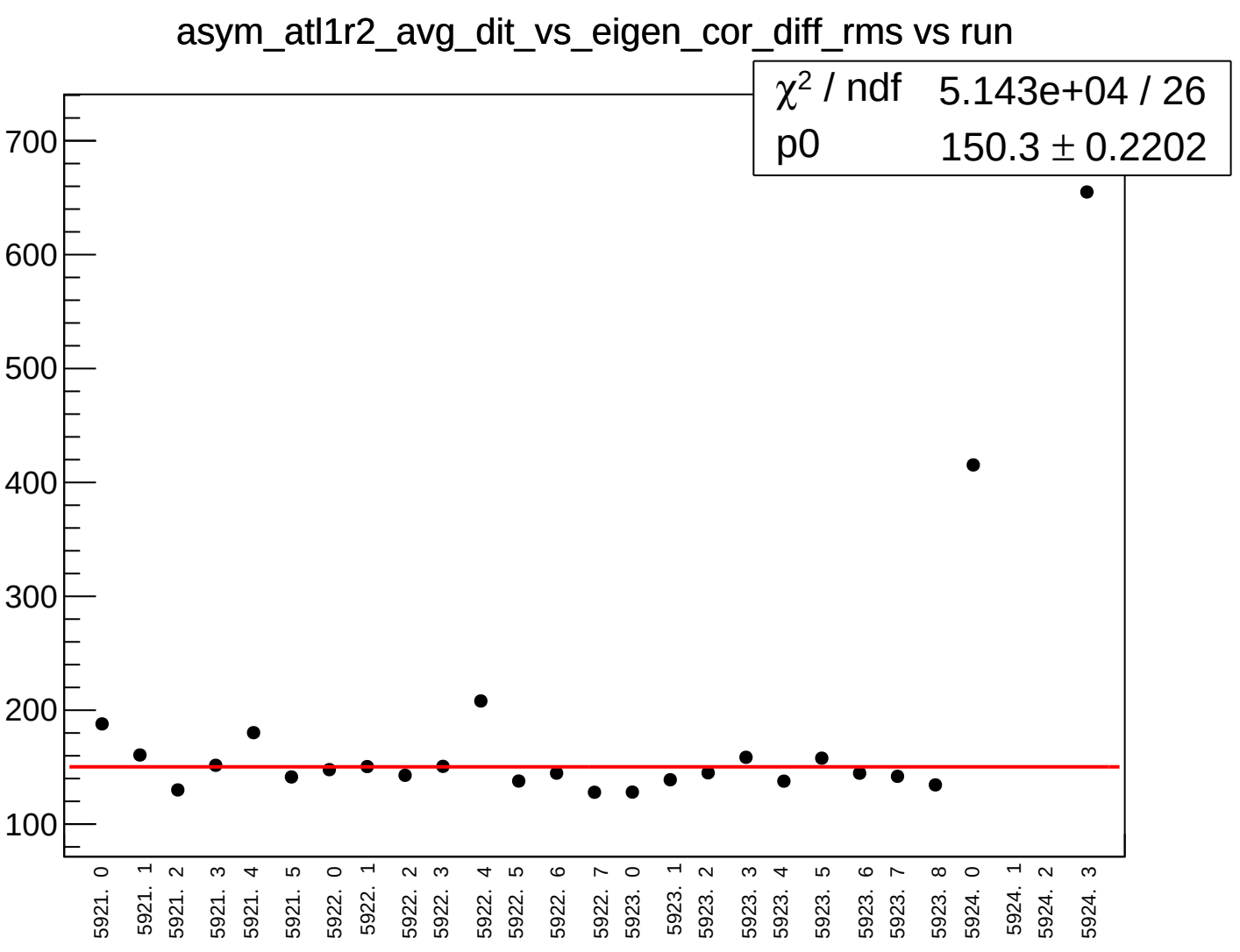

pull1D
Entries 27
Mean 0.3478
Std Dev 0.8319
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

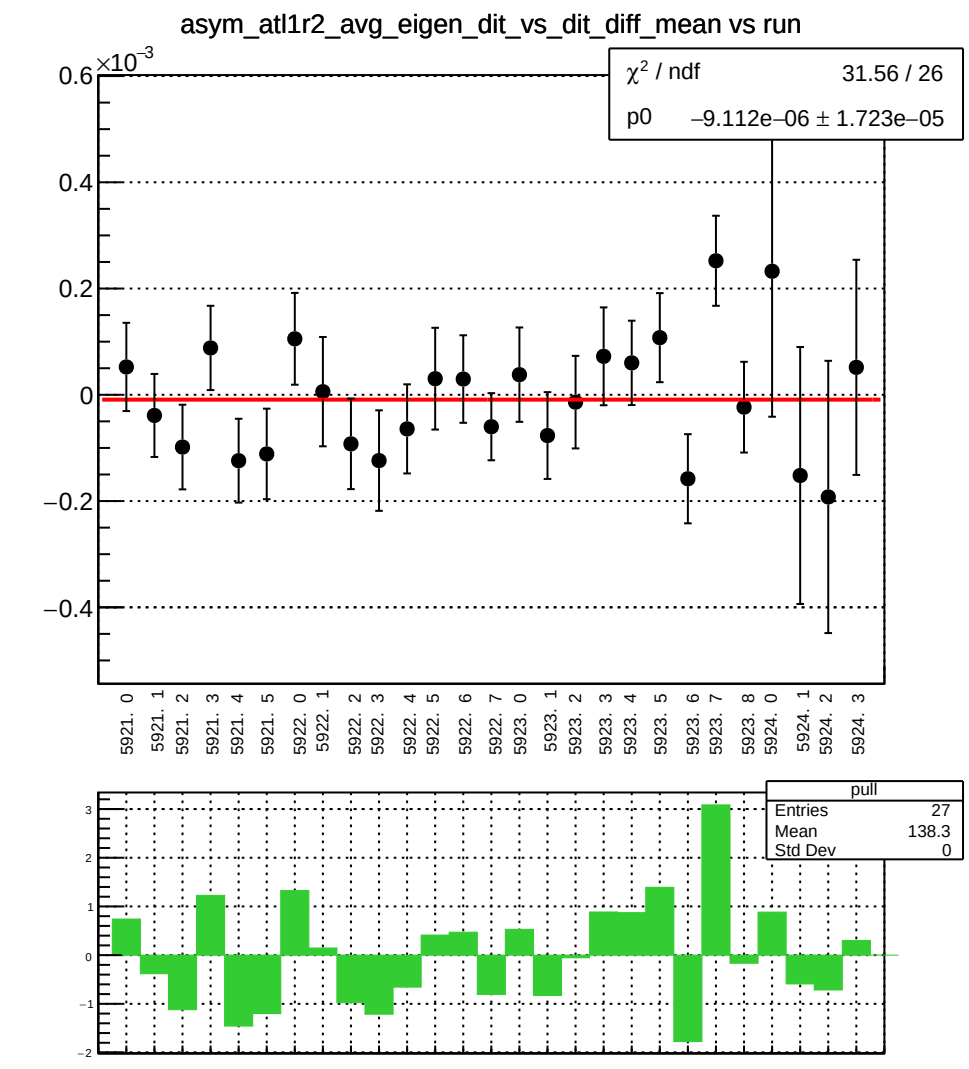

asym_atl1r2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.178e+05 / 26
p0 2.723e−10 ± 6.1e−13
1.2
1
0.8
0.6
0.4
0.2
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

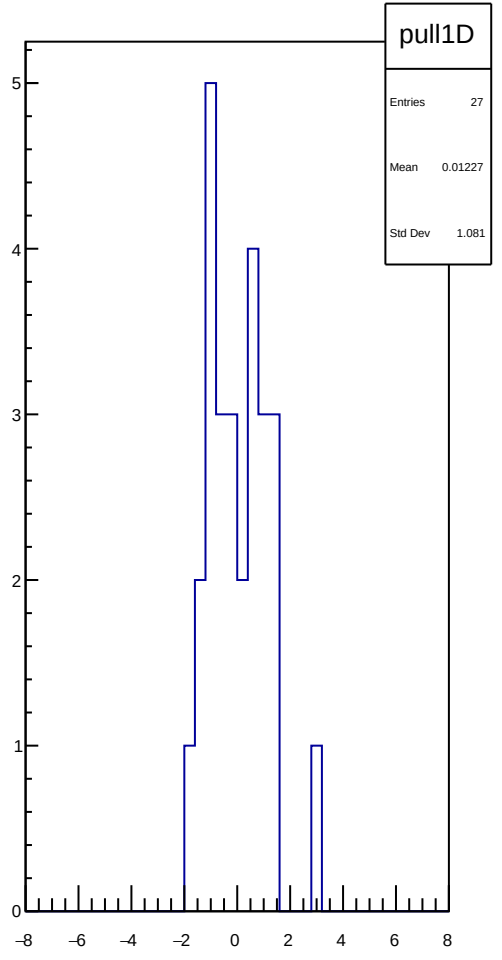

asym_atl1r2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 22.57 / 26
p0 0.1522 ± 0.3115
15
10
5
0
−5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 22.08
Std Dev 6.148
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean 0.07253
Std Dev 0.9114
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

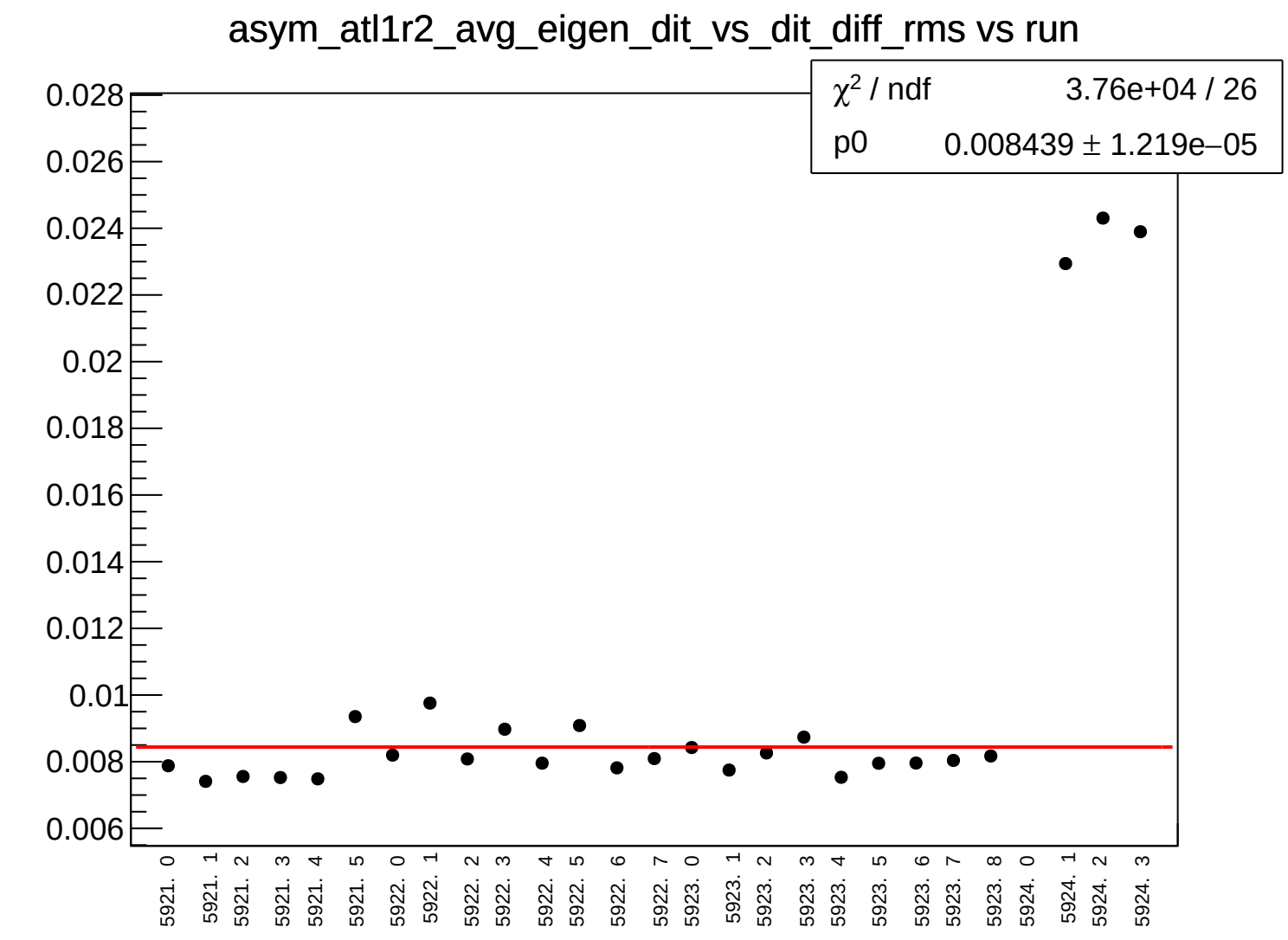

asym_atl1r2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.143e+04 / 26
p0 150.3 ± 0.2202
700
600
500
400
300
200
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

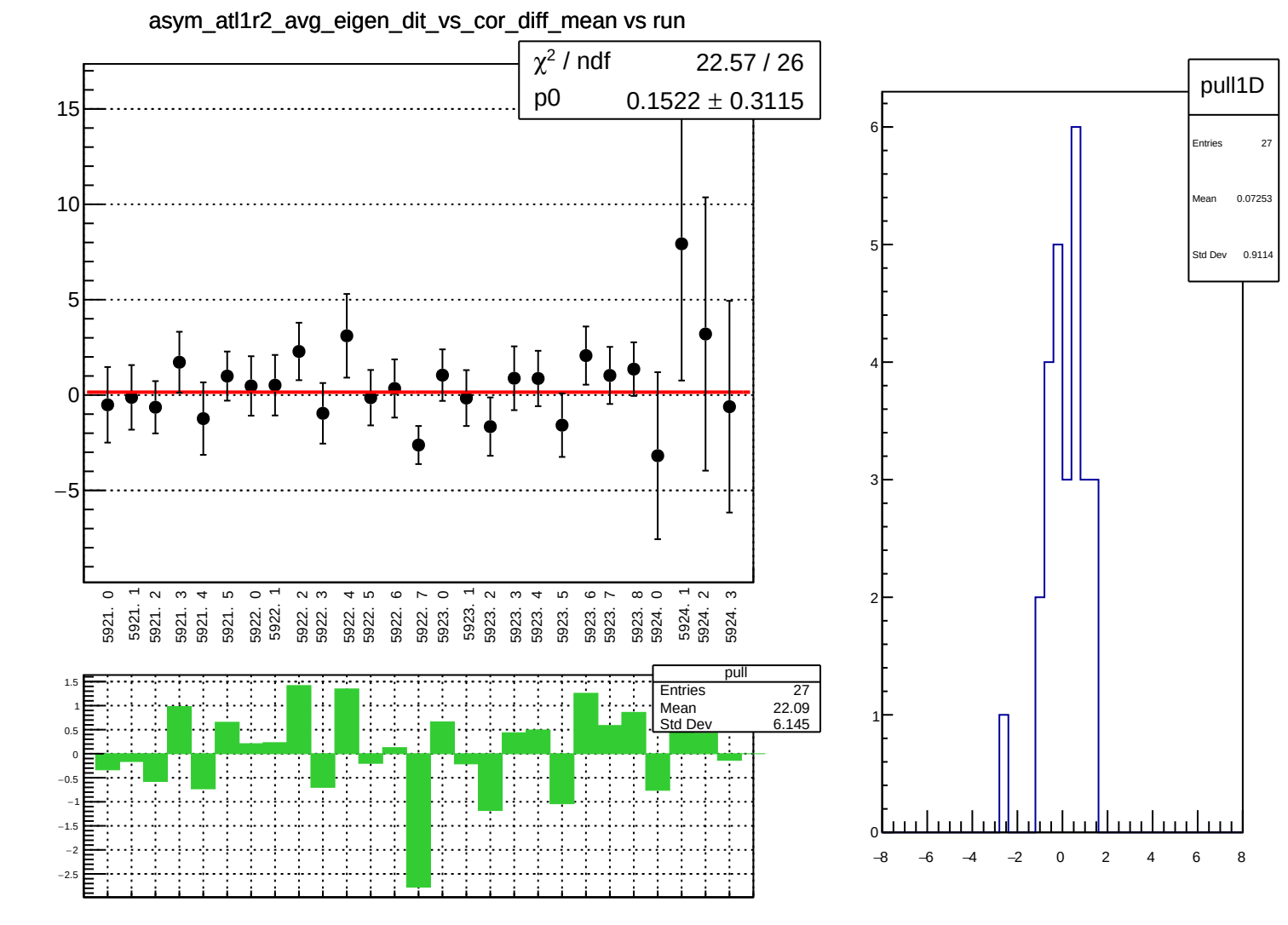

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 22.57 / 26
p0 0.1522 ± 0.3115
15
10
5
0
−5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 22.08
Std Dev 6.148
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean 0.07253
Std Dev 0.9114
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

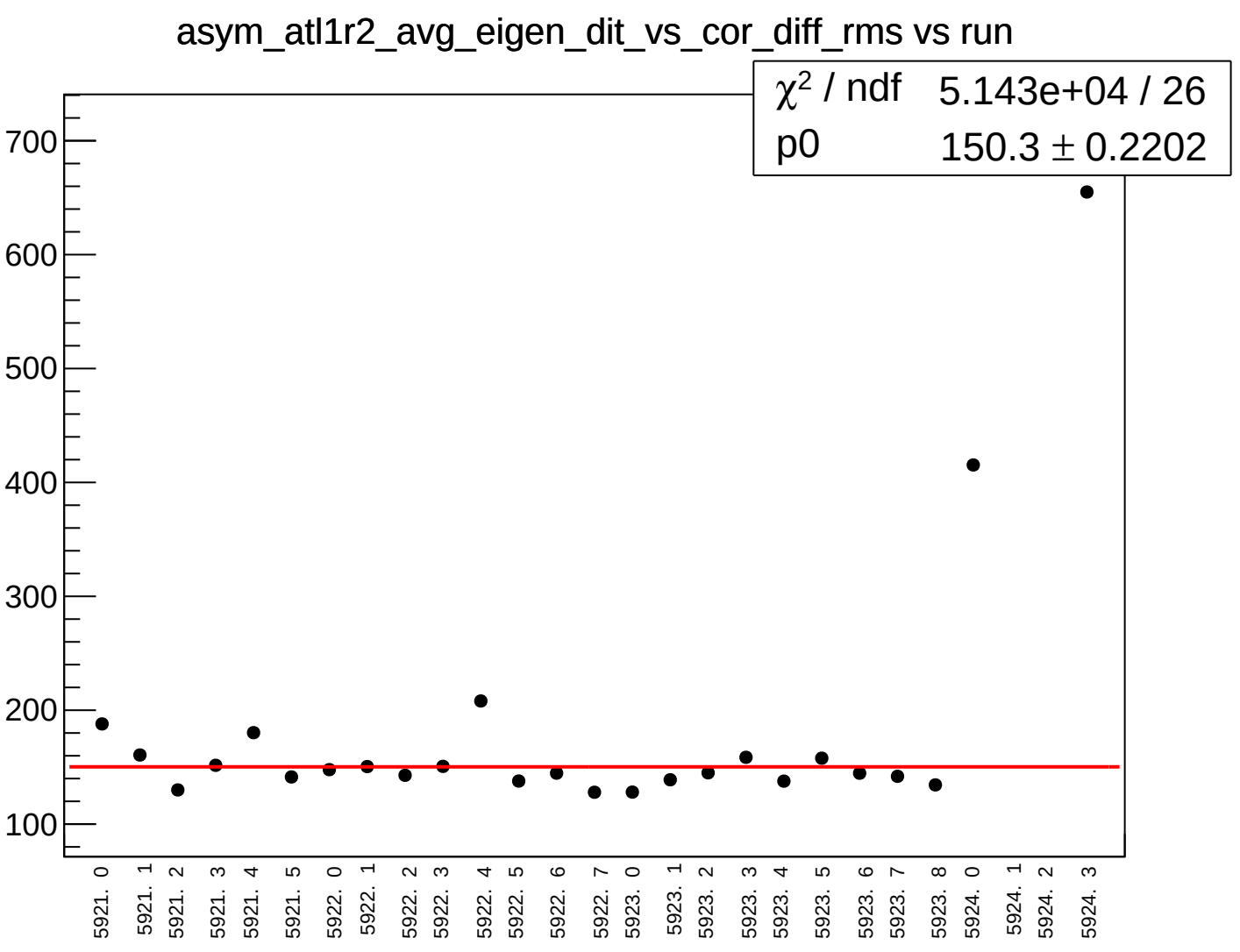

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.143e+04 / 26
p0 150.3 ± 0.2202
700
600
500
400
300
200
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

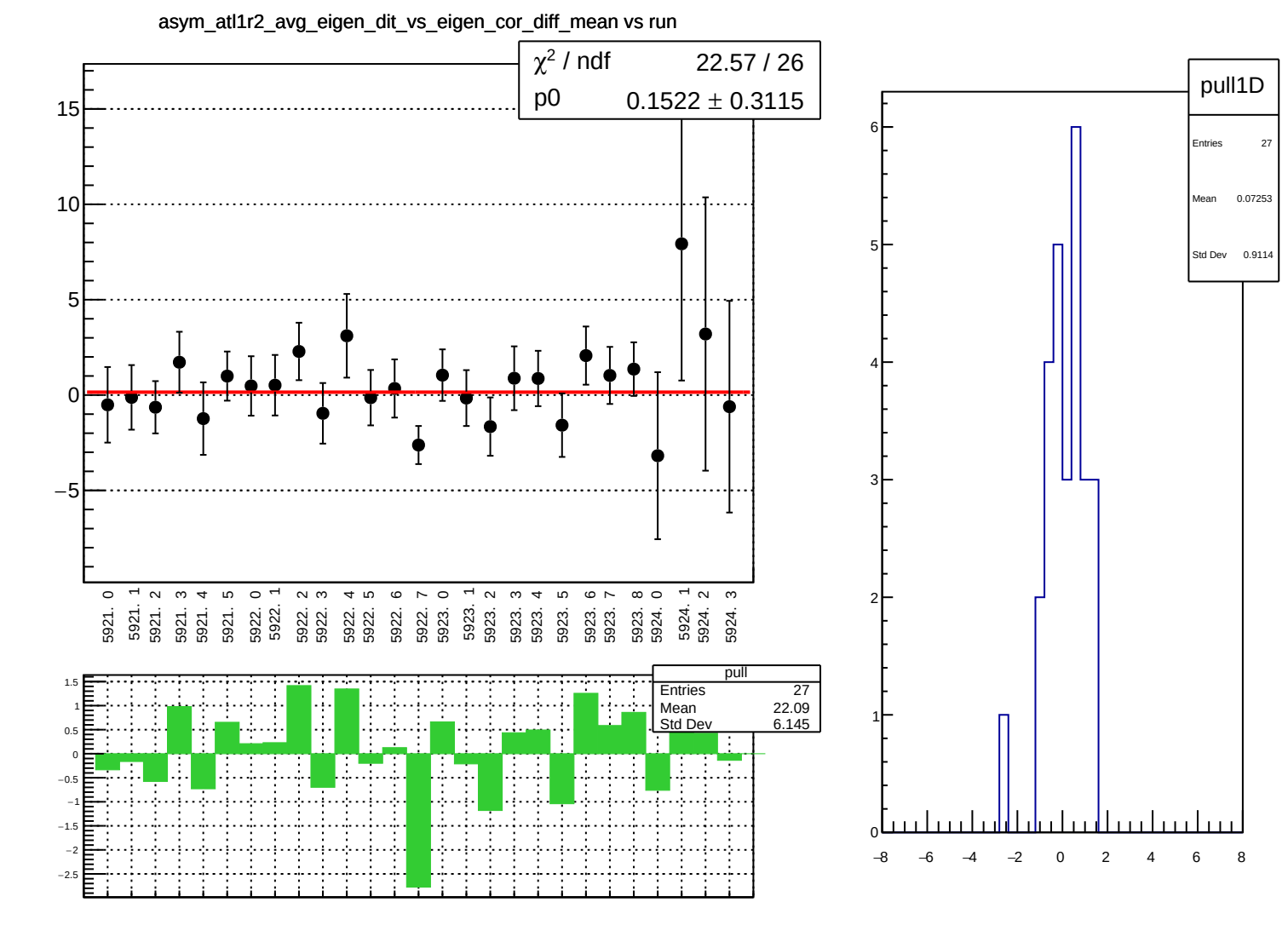

asym_atl1r2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 31.56 / 26
p0 −9.112e−06 ± 1.723e−05
0.6
0.4
0.2
0
−0.2
−0.4
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 138.3
Std Dev 0
3
2
1
0
−1
−2

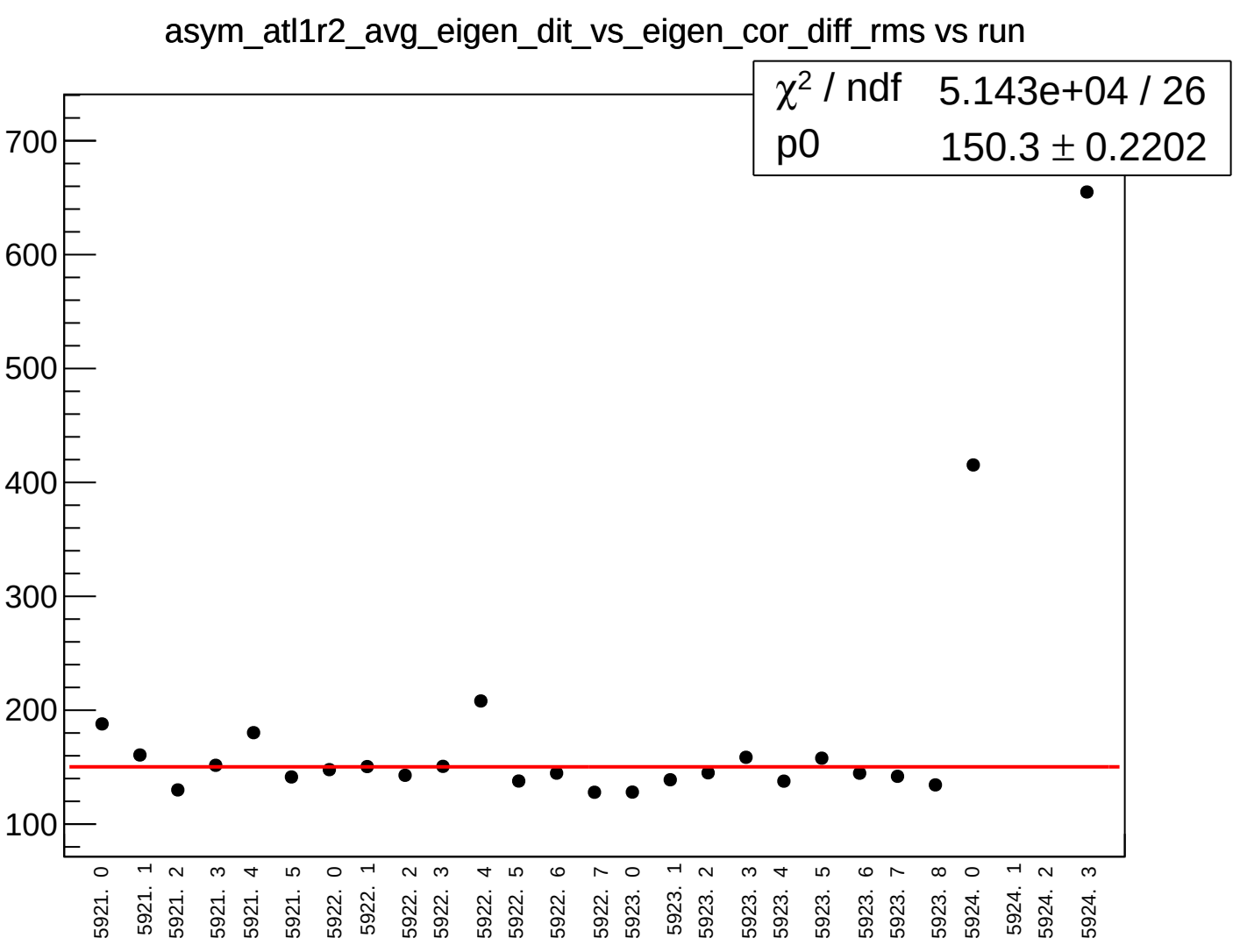

pull1D
Entries 27
Mean 0.01227
Std Dev 1.081
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

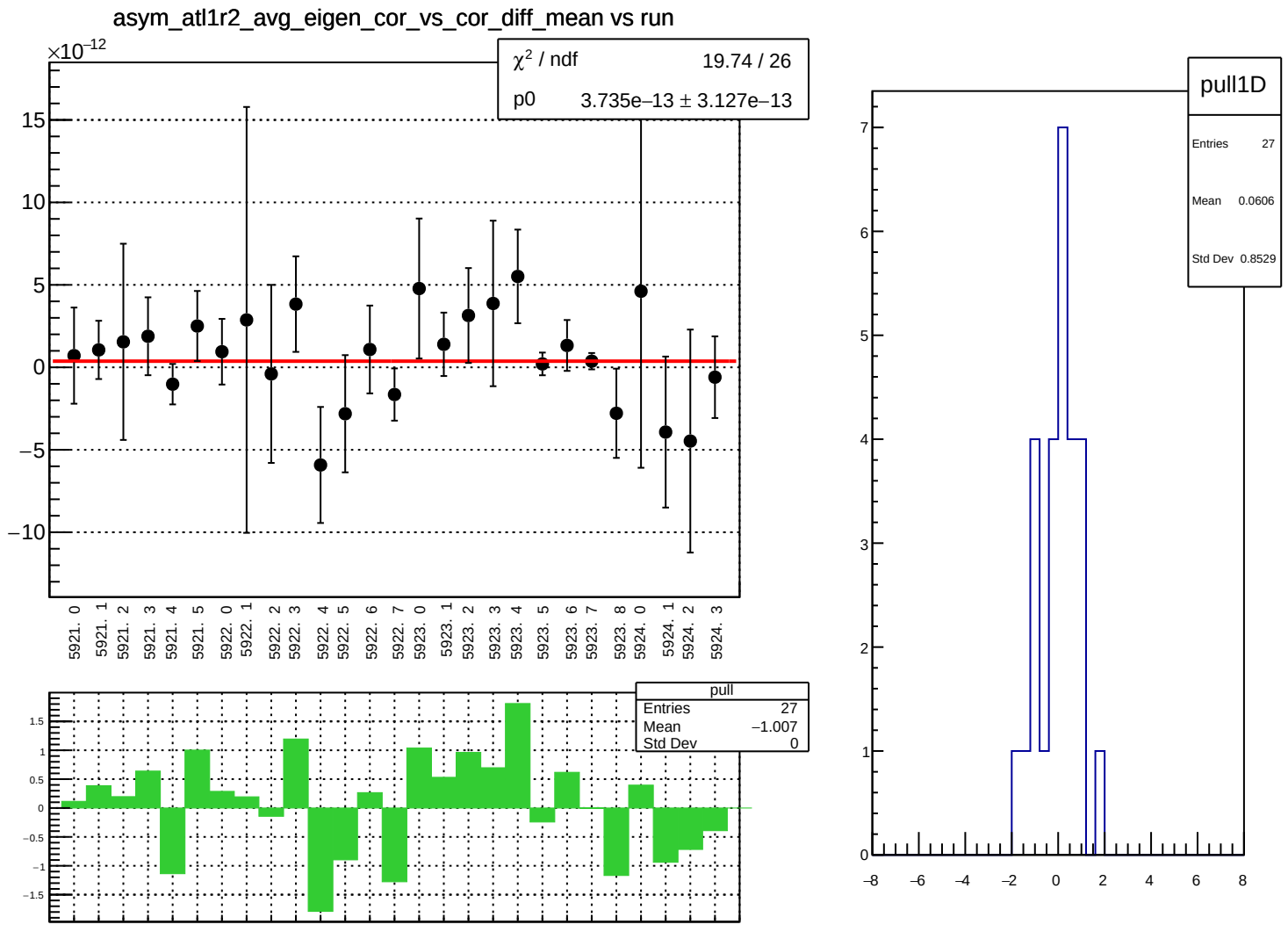

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.76e+04 / 26
p0 0.008439 ± 1.219e−05
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

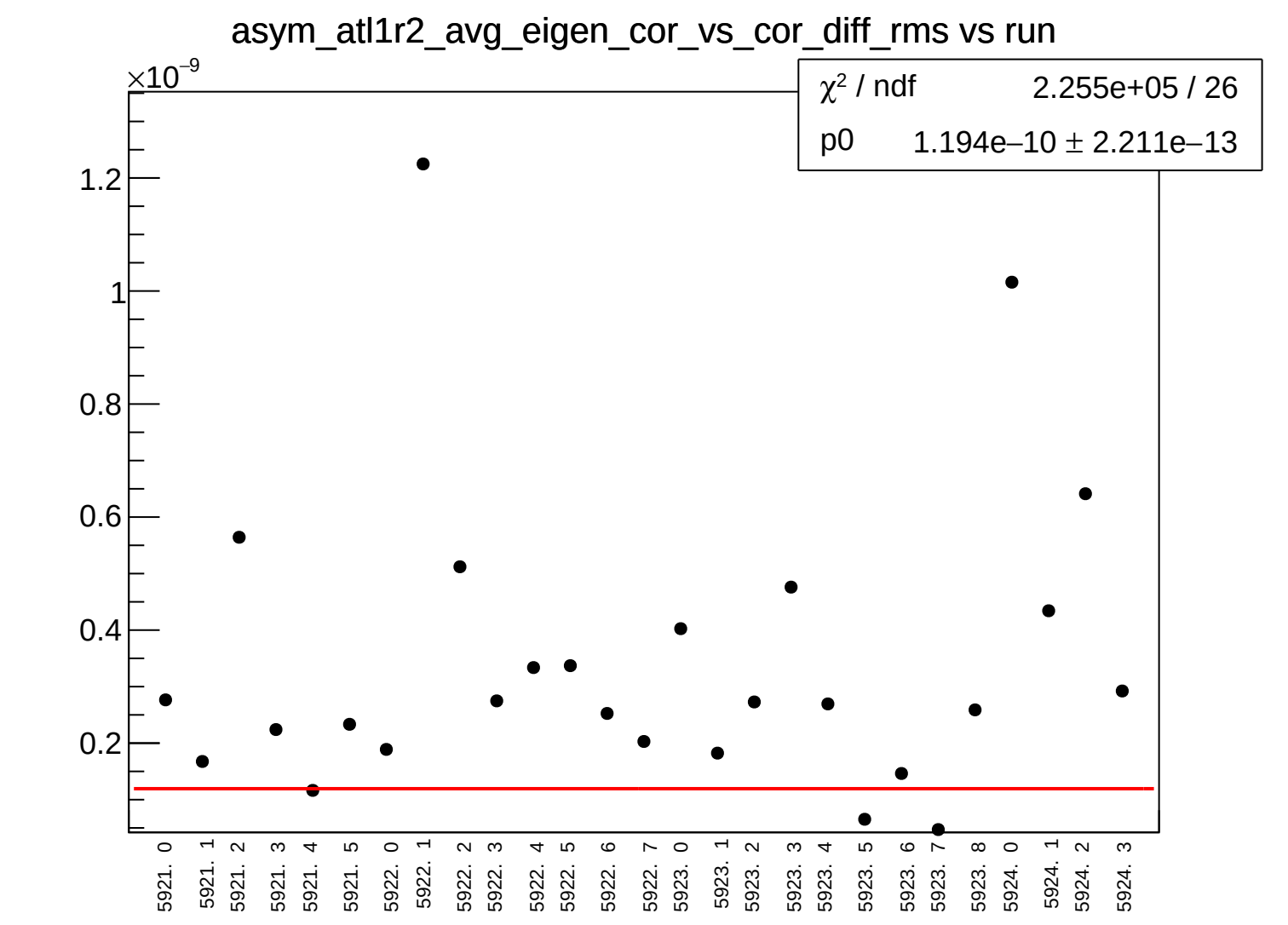

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 22.57 / 26
p0 0.1522 ± 0.3115
15
10
5
0
−5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 22.09
Std Dev 6.145
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean 0.07253
Std Dev 0.9114
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

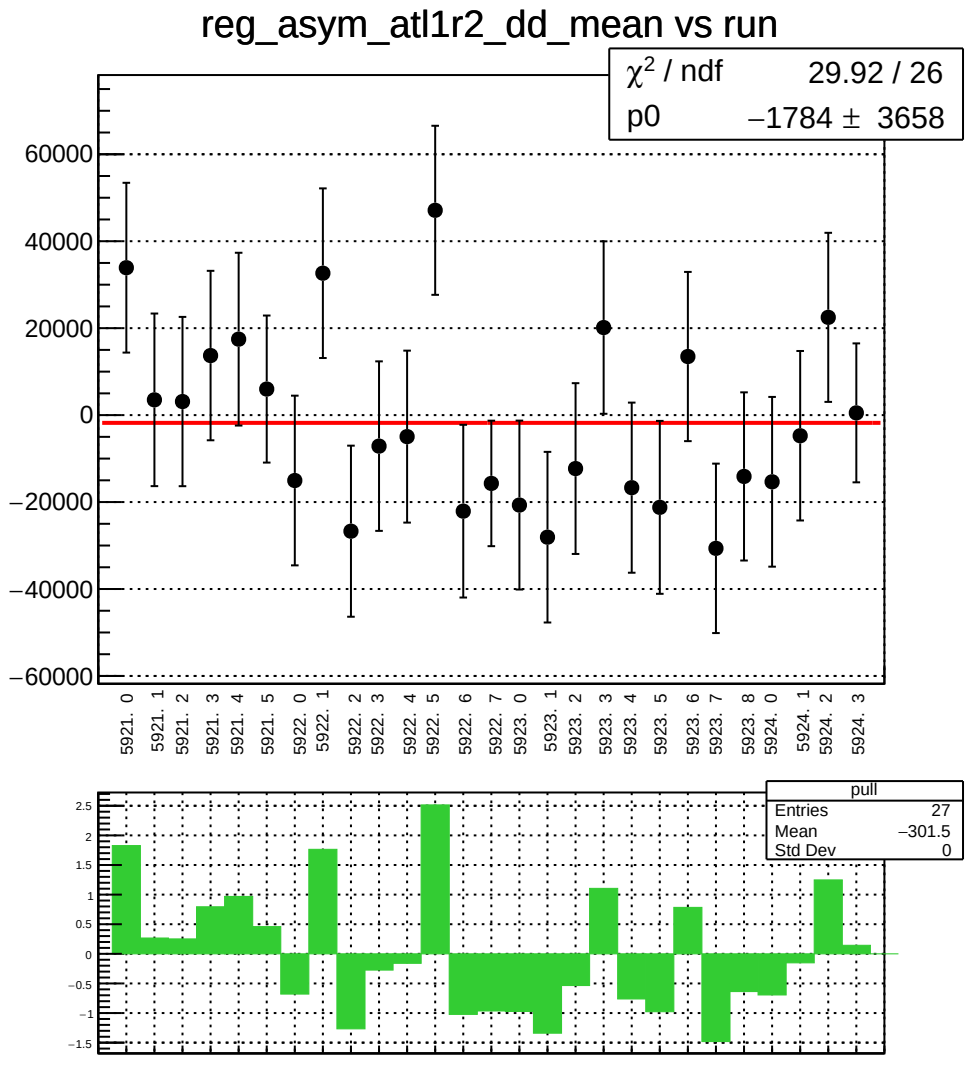

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.143e+04 / 26
p0 150.3 ± 0.2202
700
600
500
400
300
200
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

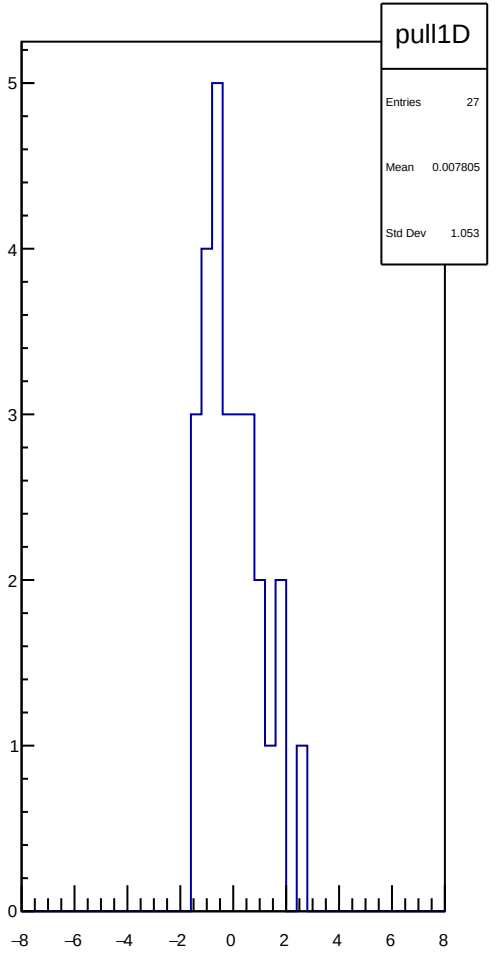

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 22.57 / 26
p0 0.1522 ± 0.3115
15
10
5
0
−5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 22.09
Std Dev 6.145
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean 0.07253
Std Dev 0.9114
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

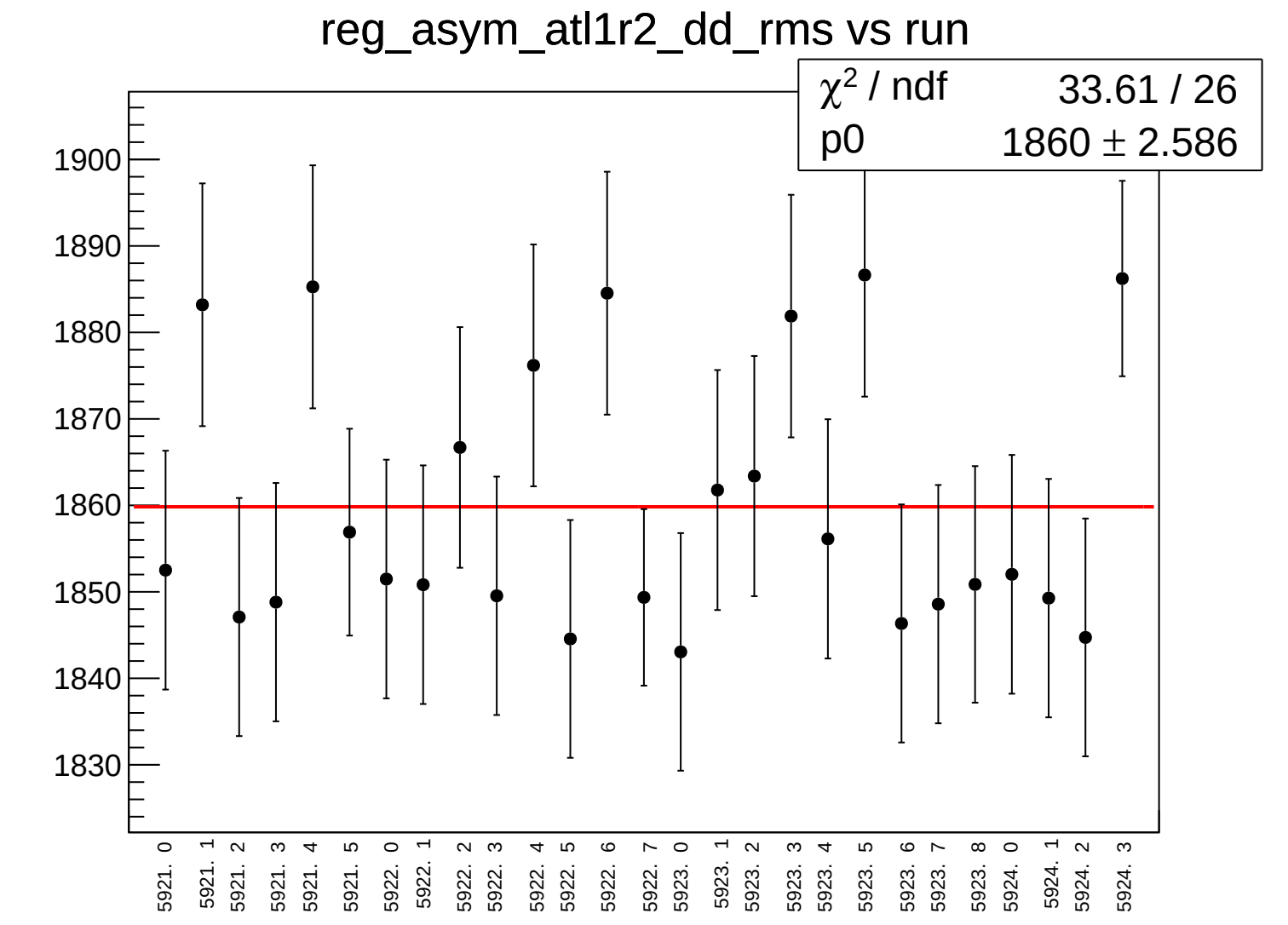

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.143e+04 / 26
p0 150.3 ± 0.2202
700
600
500
400
300
200
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

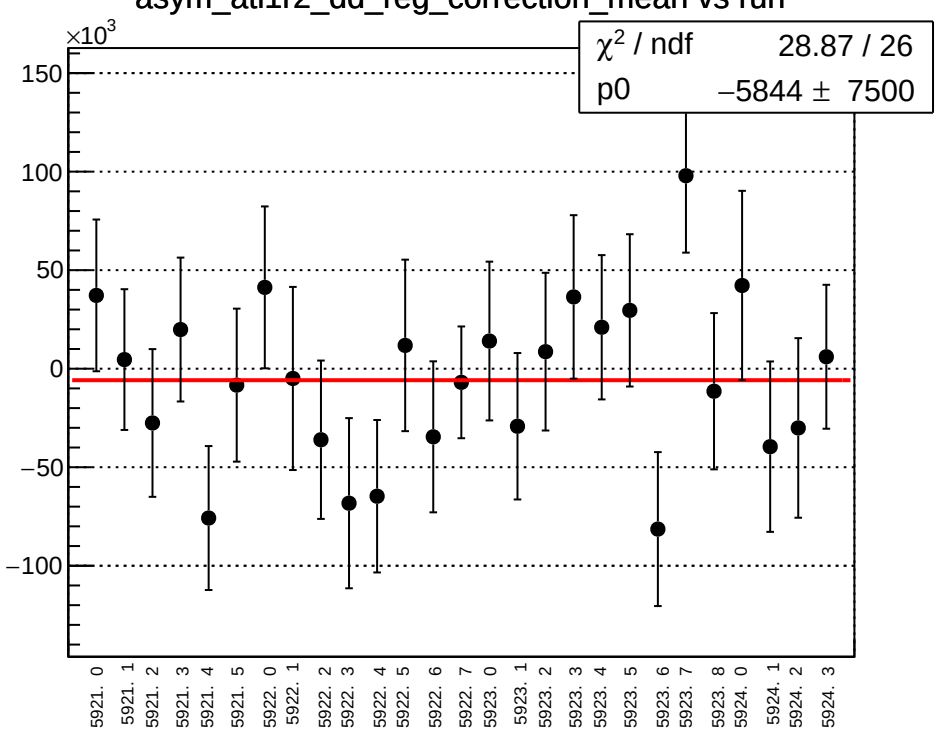

asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 19.74 / 26
p0 3.735e−13 ± 3.127e−13
15
10
5
0
−5
−10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −1.007
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.0606
Std Dev 0.8529
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

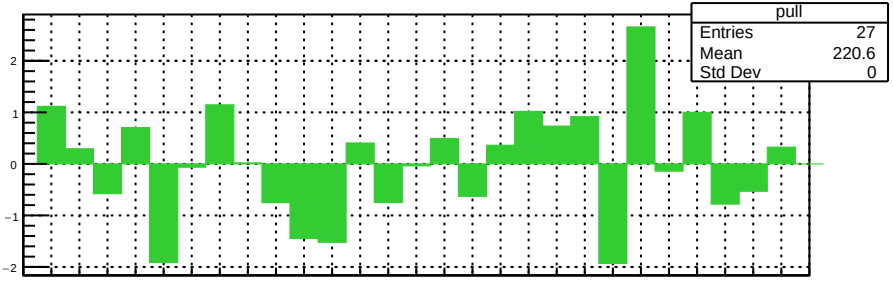

asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.255e+05 / 26
p0 1.194e−10 ± 2.211e−13
1.2
1
0.8
0.6
0.4
0.2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

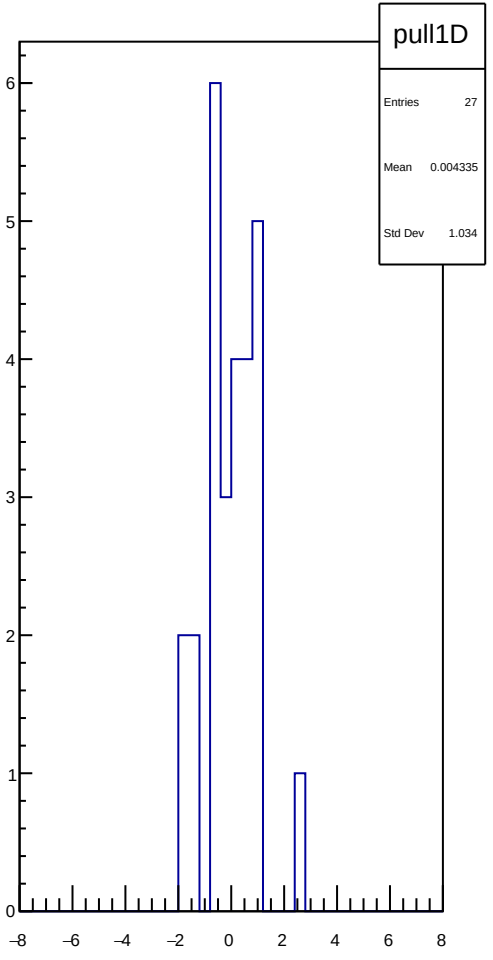

reg_asym_atl1r2_dd_mean vs run
χ² / ndf 29.92 / 26
p0 −1784 ± 3658
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −301.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

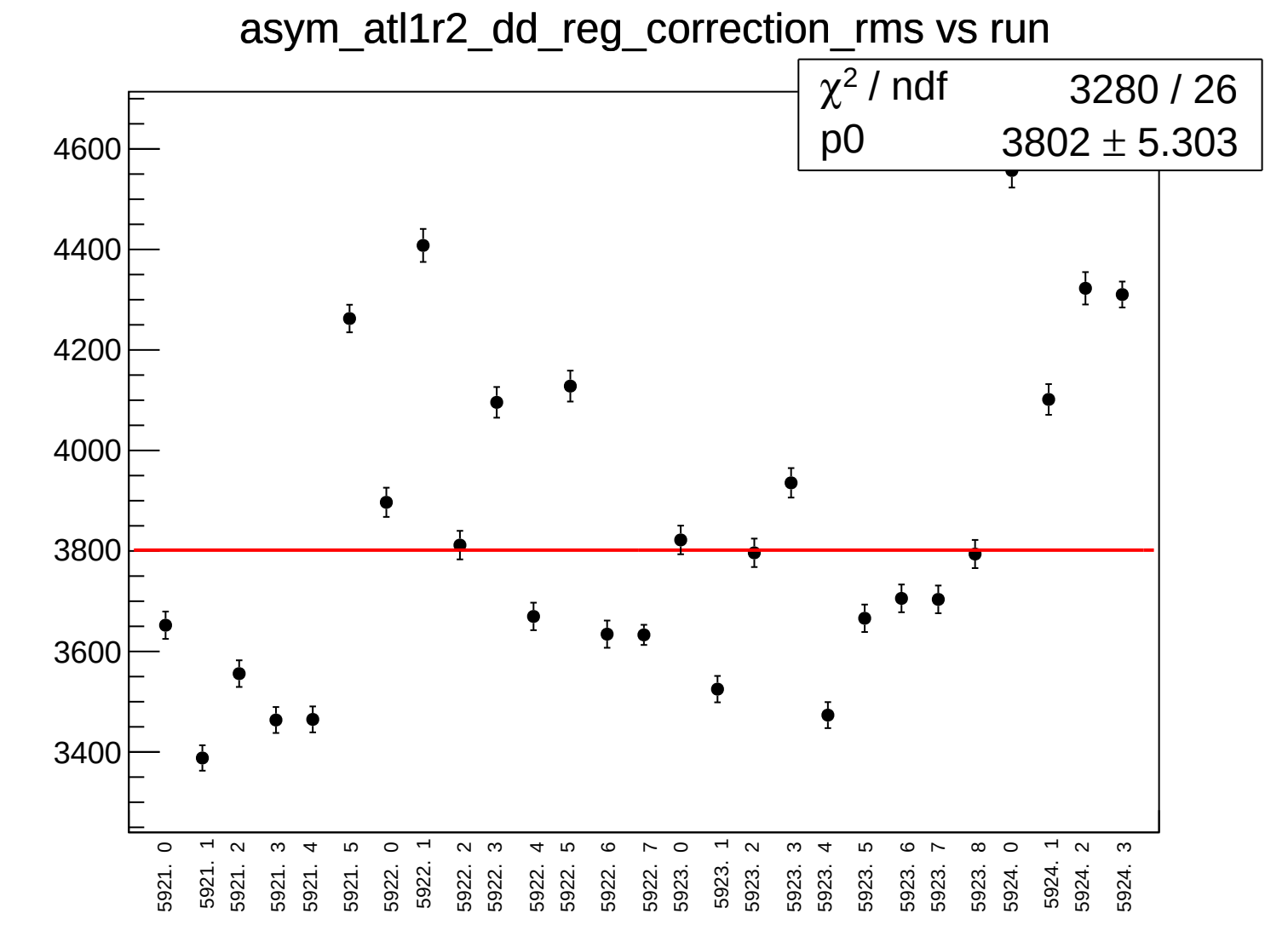

pull1D
Entries 27
Mean 0.007805
Std Dev 1.053
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

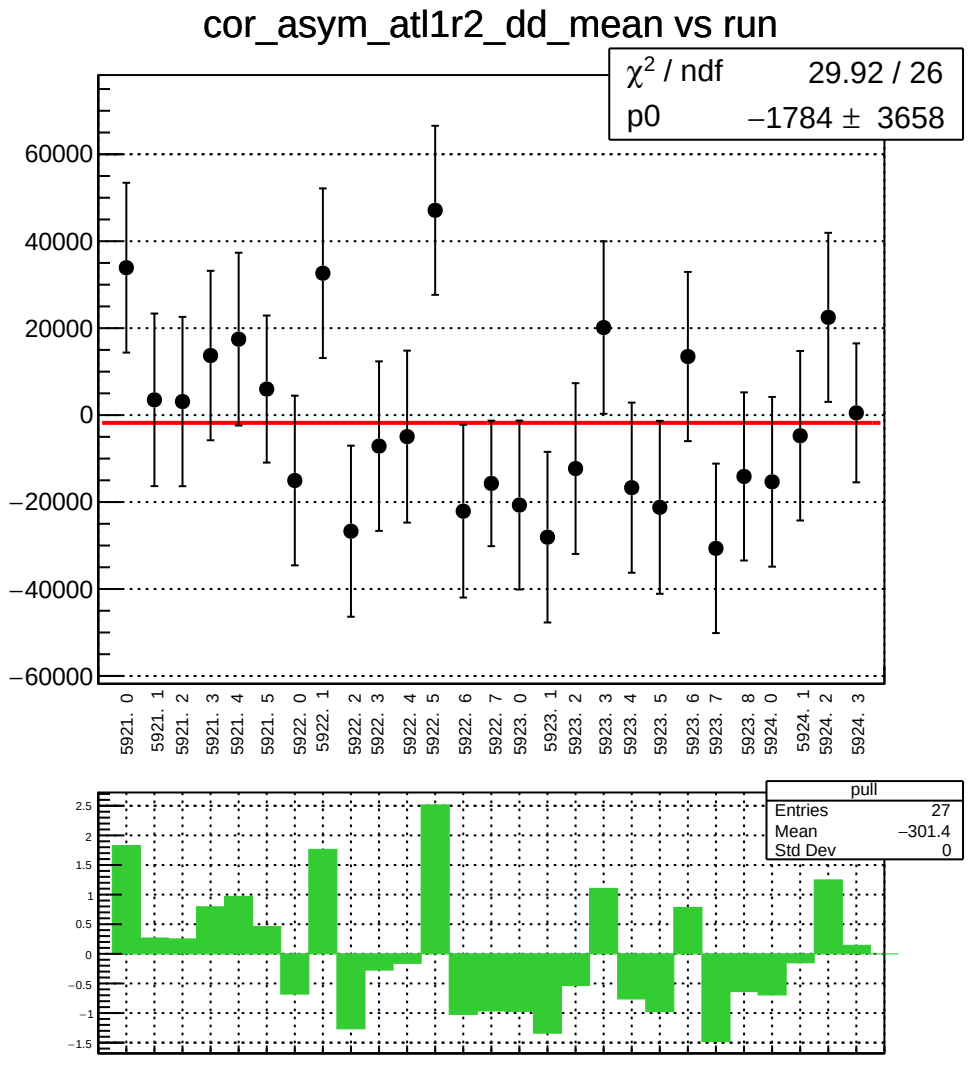

reg_asym_atl1r2_dd_rms vs run
χ² / ndf 33.61 / 26
p0 1860 ± 2.586
1900
1890
1880
1870
1860
1850
1840
1830
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

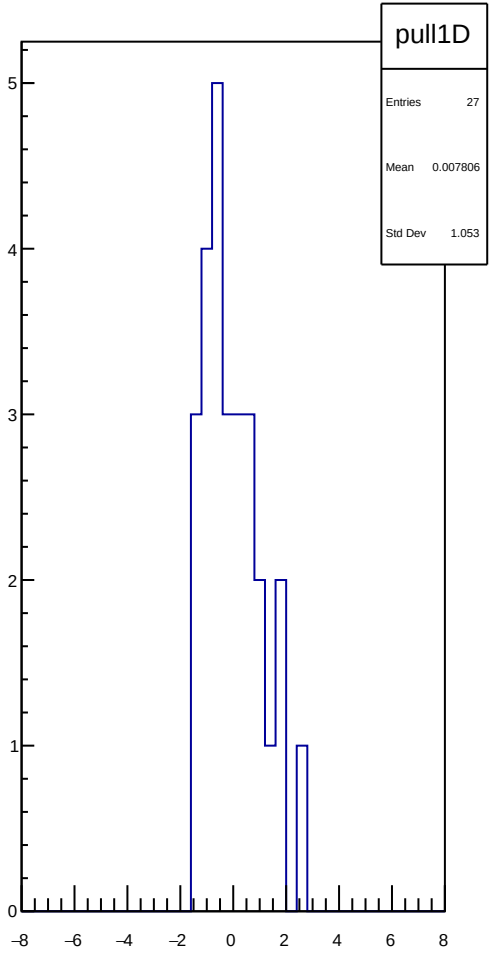

asym_atl1r2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 28.87 / 26
p0 −5844 ± 7500
150
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

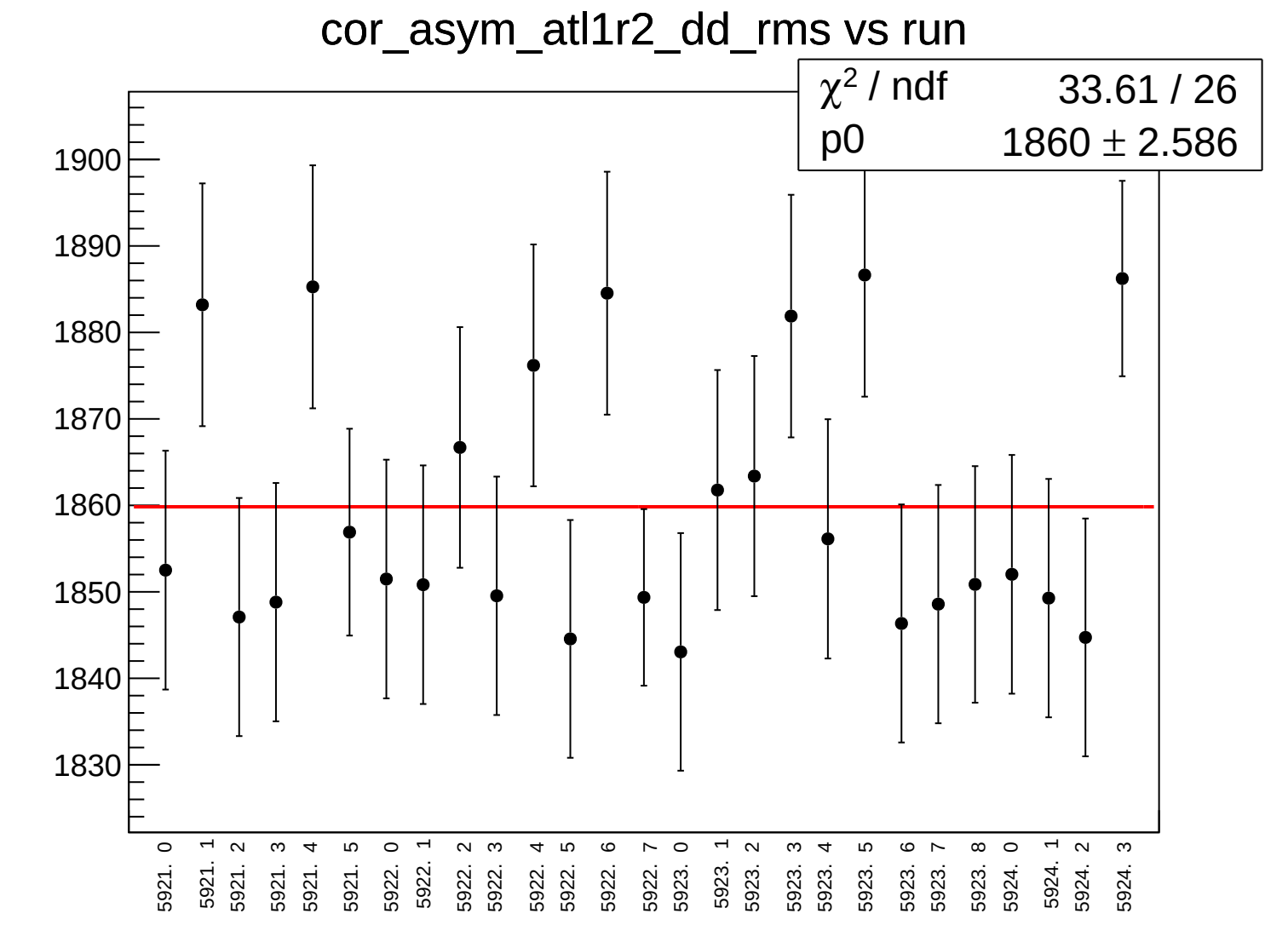

pull
Entries 27
Mean 220.6
Std Dev 0
2
1
0
−1
−2

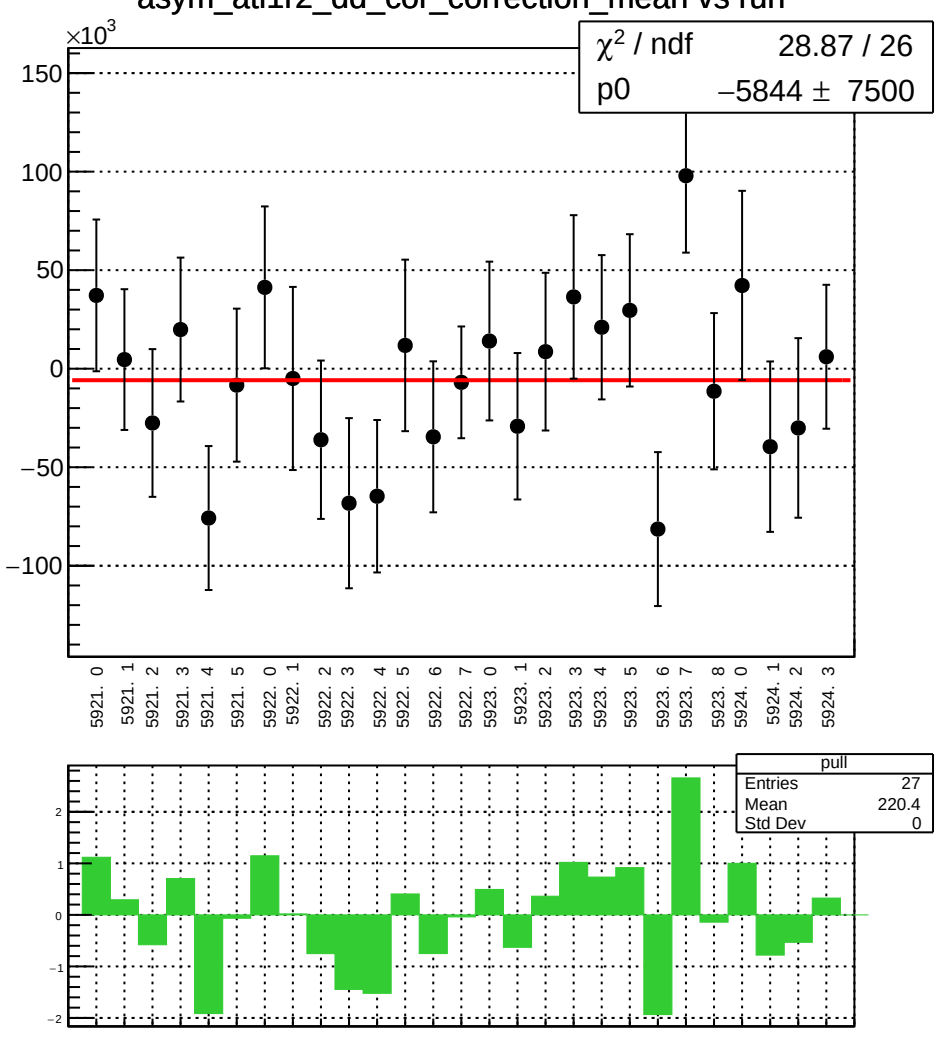

pull1D
Entries 27
Mean 0.004335
Std Dev 1.034
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

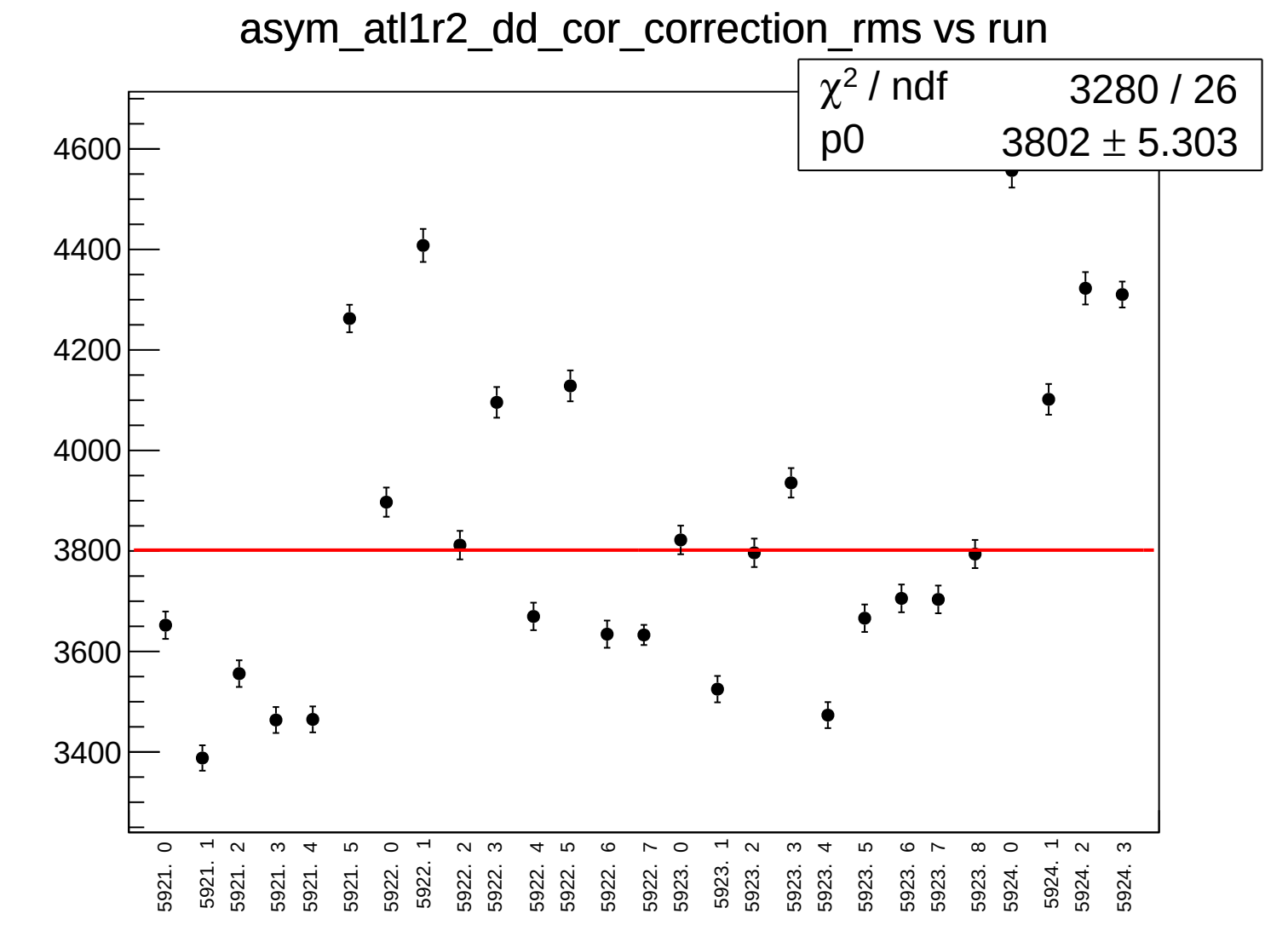

asym_atl1r2_dd_reg_correction_rms vs run
χ² / ndf 3280 / 26
p0 3802 ± 5.303
4600
4400
4200
4000
3800
3600
3400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

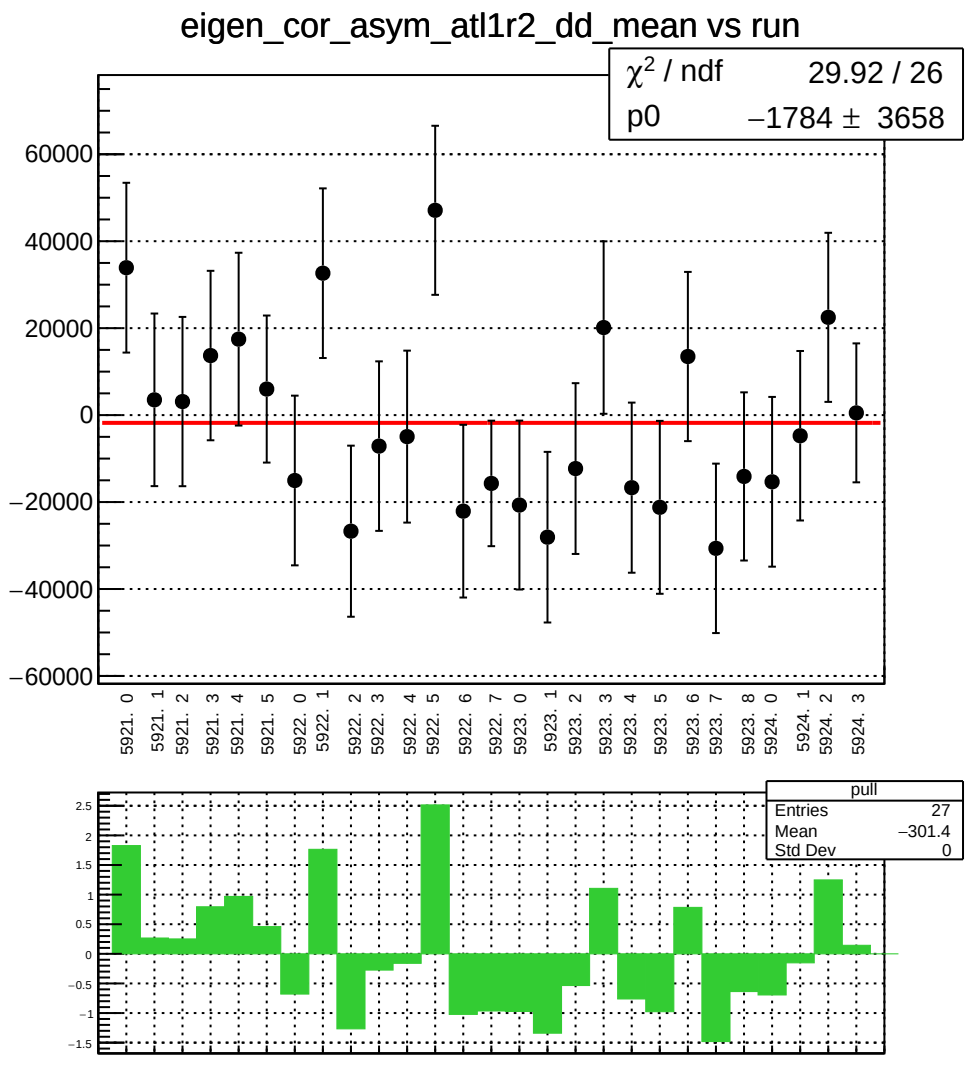

cor_asym_atl1r2_dd_mean vs run
χ² / ndf 29.92 / 26
p0 −1784 ± 3658
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −301.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

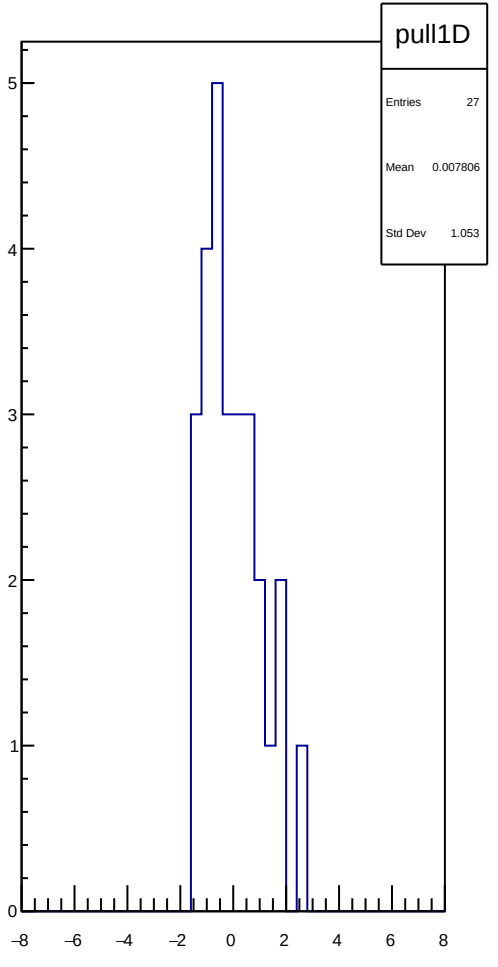

pull1D
Entries 27
Mean 0.007806
Std Dev 1.053
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

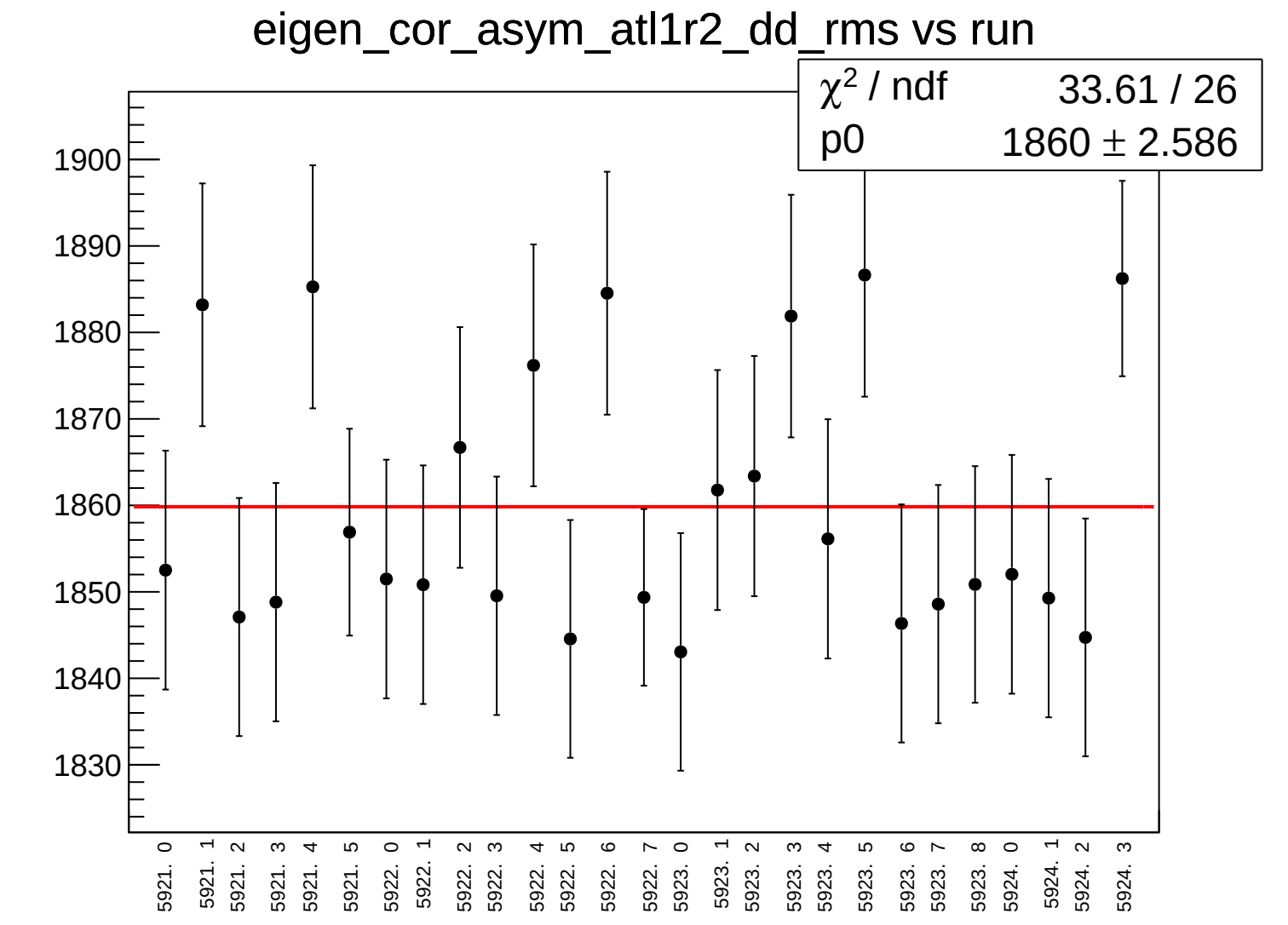

cor_asym_atl1r2_dd_rms vs run
χ² / ndf 33.61 / 26
p0 1860 ± 2.586
1900
1890
1880
1870
1860
1850
1840
1830
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

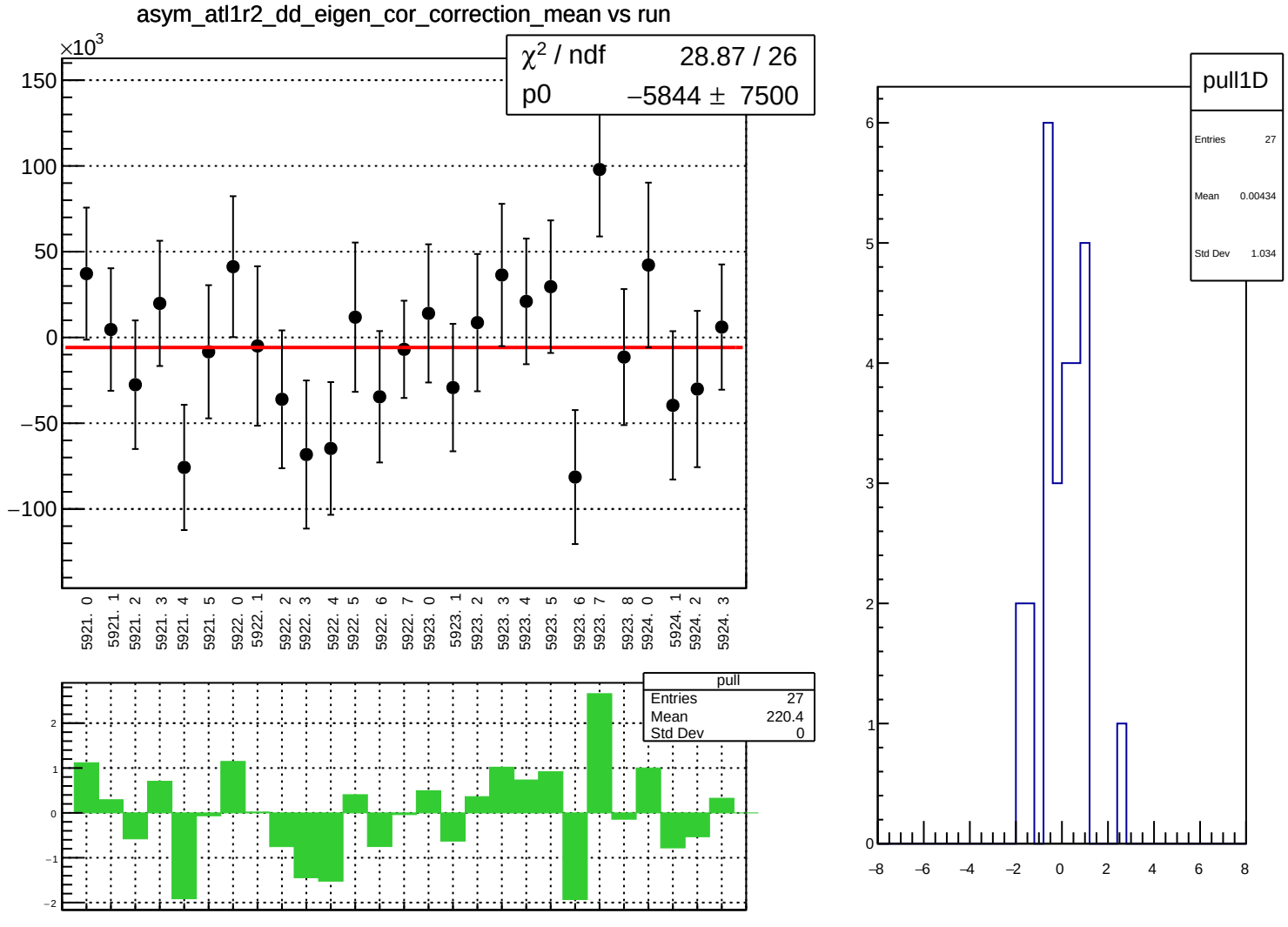

asym_atl1r2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 28.87 / 26
p0 −5844 ± 7500
150
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 220.4
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.00434
Std Dev 1.034
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

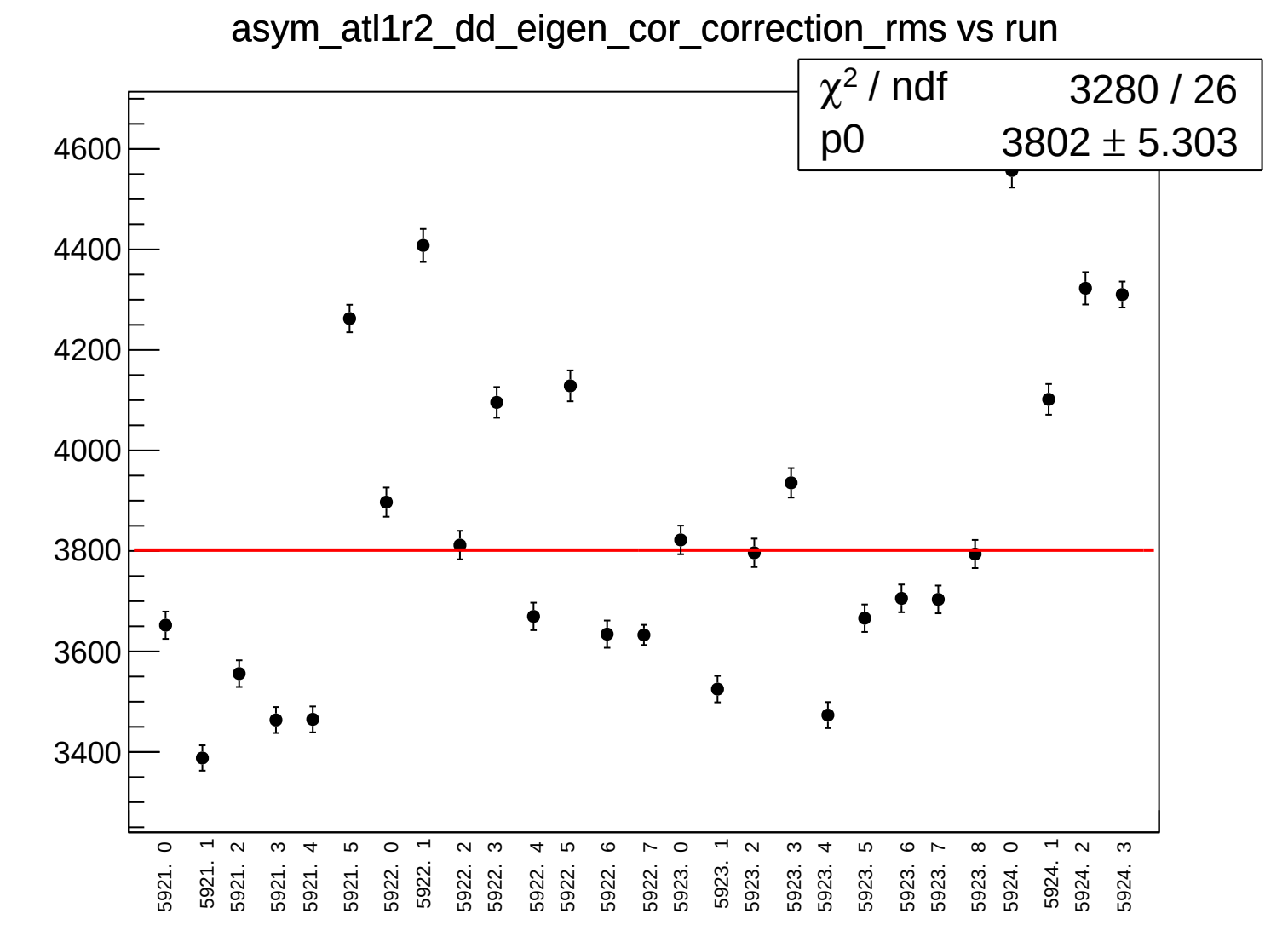

asym_atl1r2_dd_cor_correction_rms vs run
χ² / ndf 3280 / 26
p0 3802 ± 5.303
4600
4400
4200
4000
3800
3600
3400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

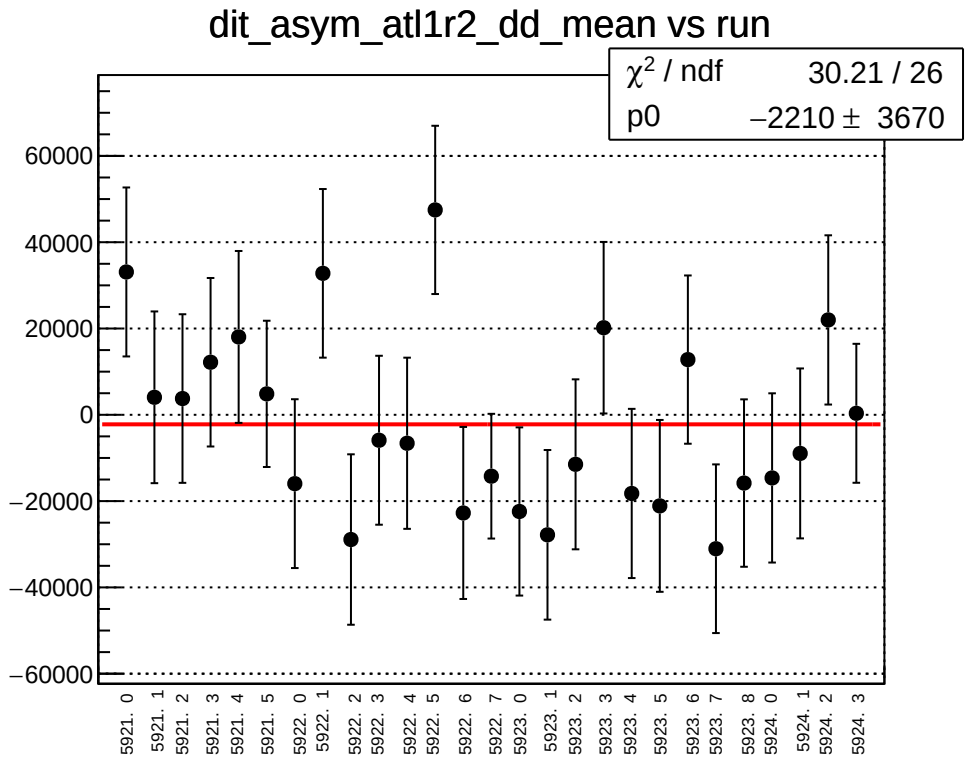

eigen_cor_asym_atl1r2_dd_mean vs run
χ² / ndf 29.92 / 26
p0 −1784 ± 3658
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −301.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

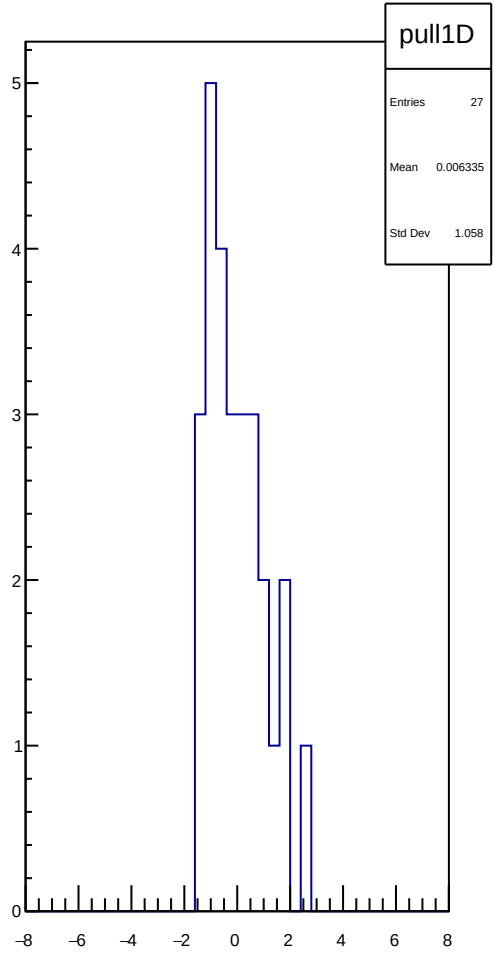

pull1D
Entries 27
Mean 0.007806
Std Dev 1.053
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

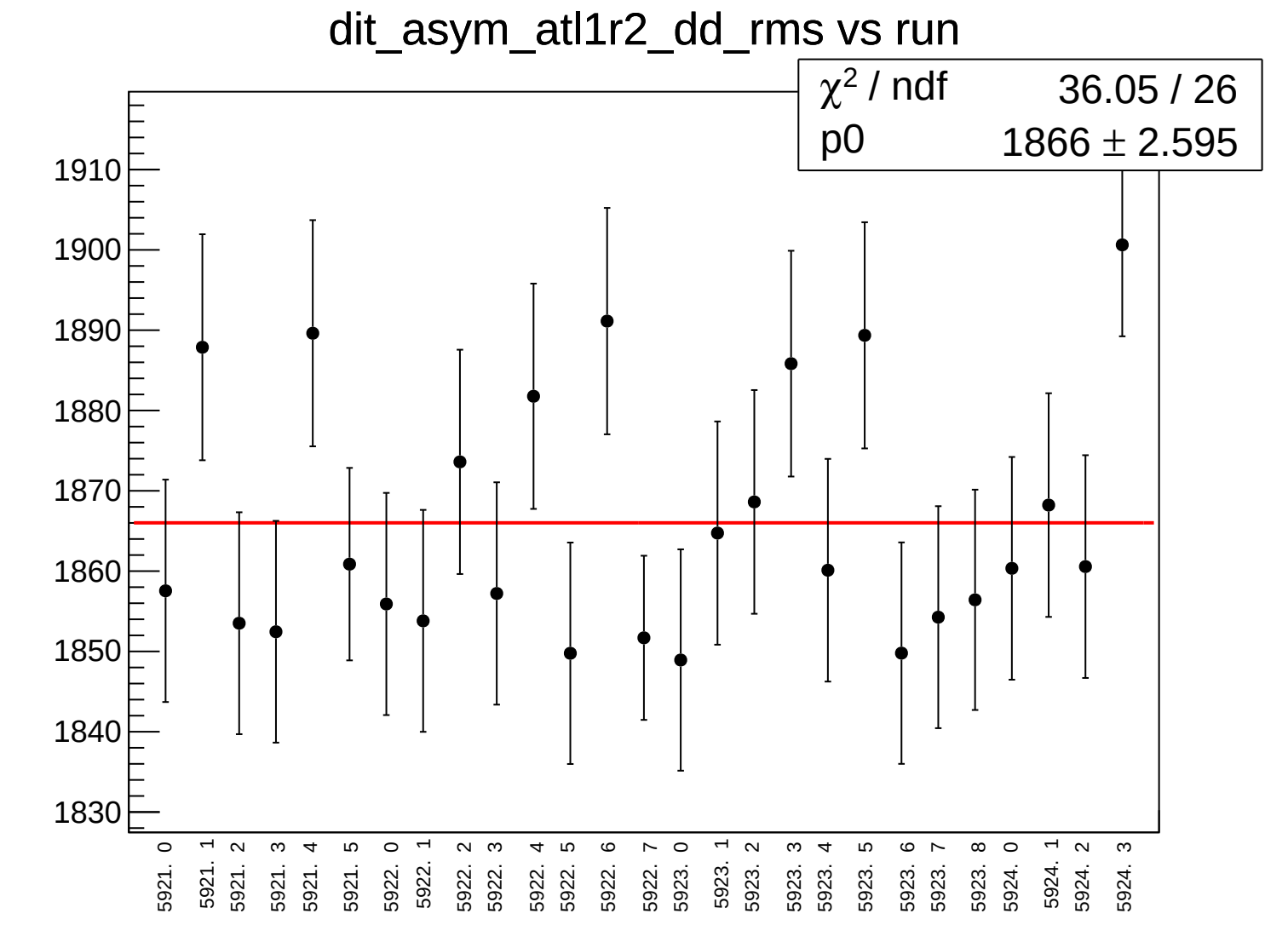

eigen_cor_asym_atl1r2_dd_rms vs run
χ² / ndf 33.61 / 26
p0 1860 ± 2.586
1900
1890
1880
1870
1860
1850
1840
1830
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

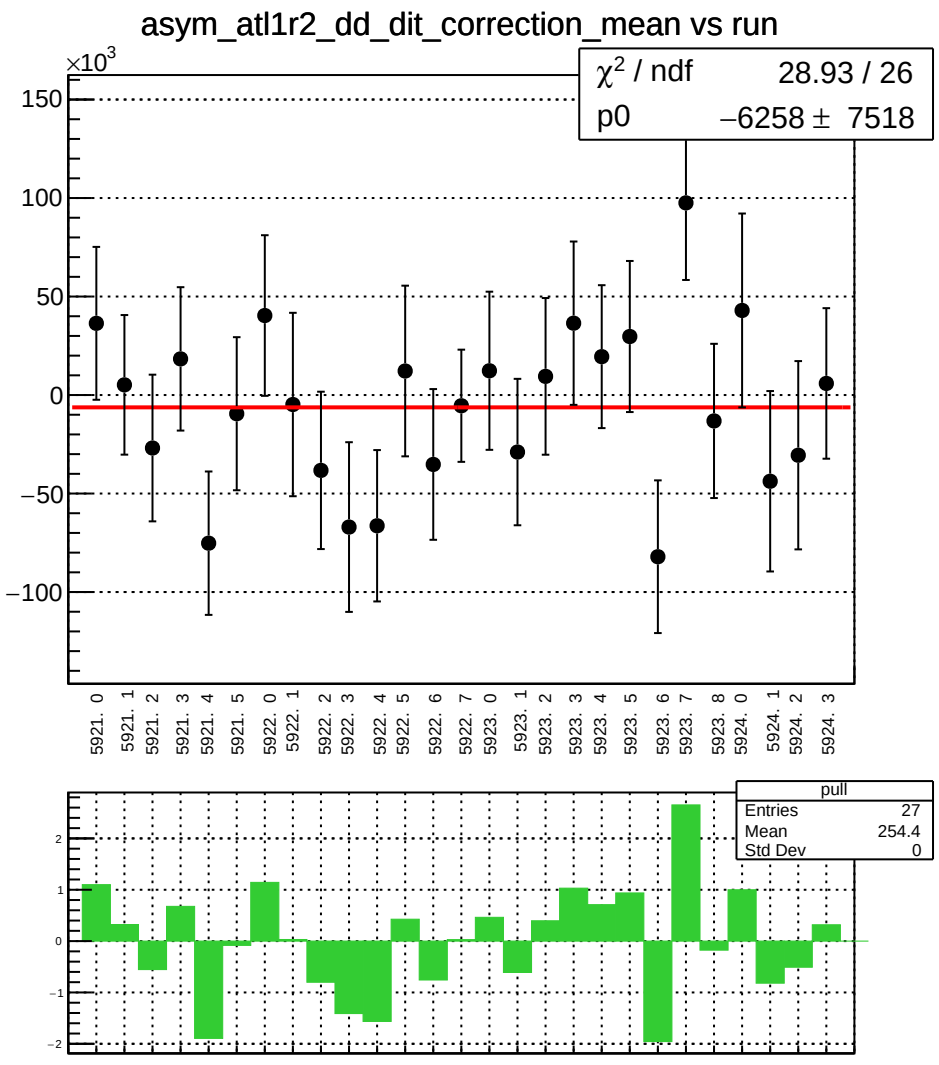

asym_atl1r2_dd_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 28.87 / 26
p0 −5844 ± 7500
150
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 220.4
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.00434
Std Dev 1.034
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

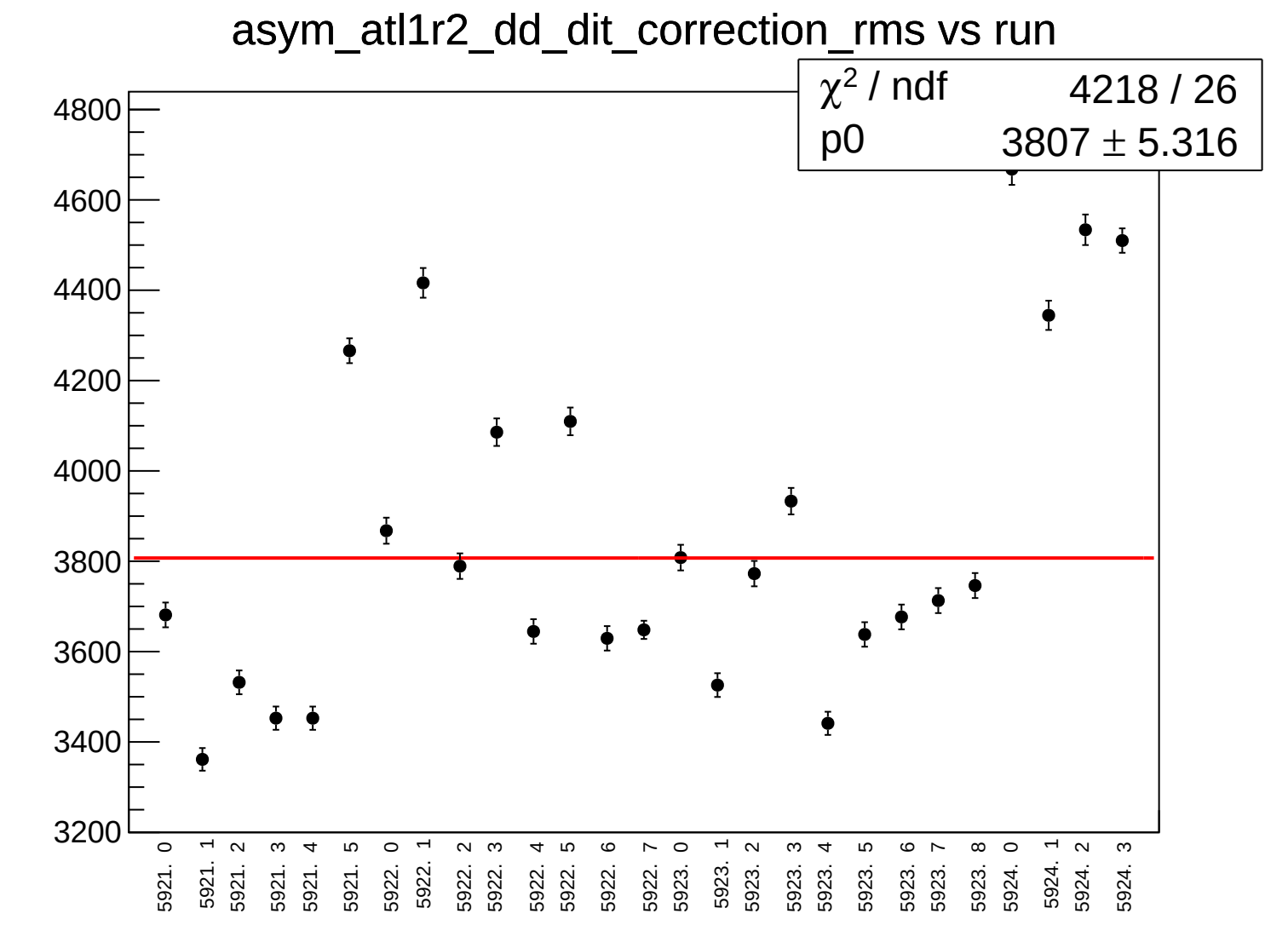

asym_atl1r2_dd_eigen_cor_correction_rms vs run
χ² / ndf 3280 / 26
p0 3802 ± 5.303
4600
4400
4200
4000
3800
3600
3400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

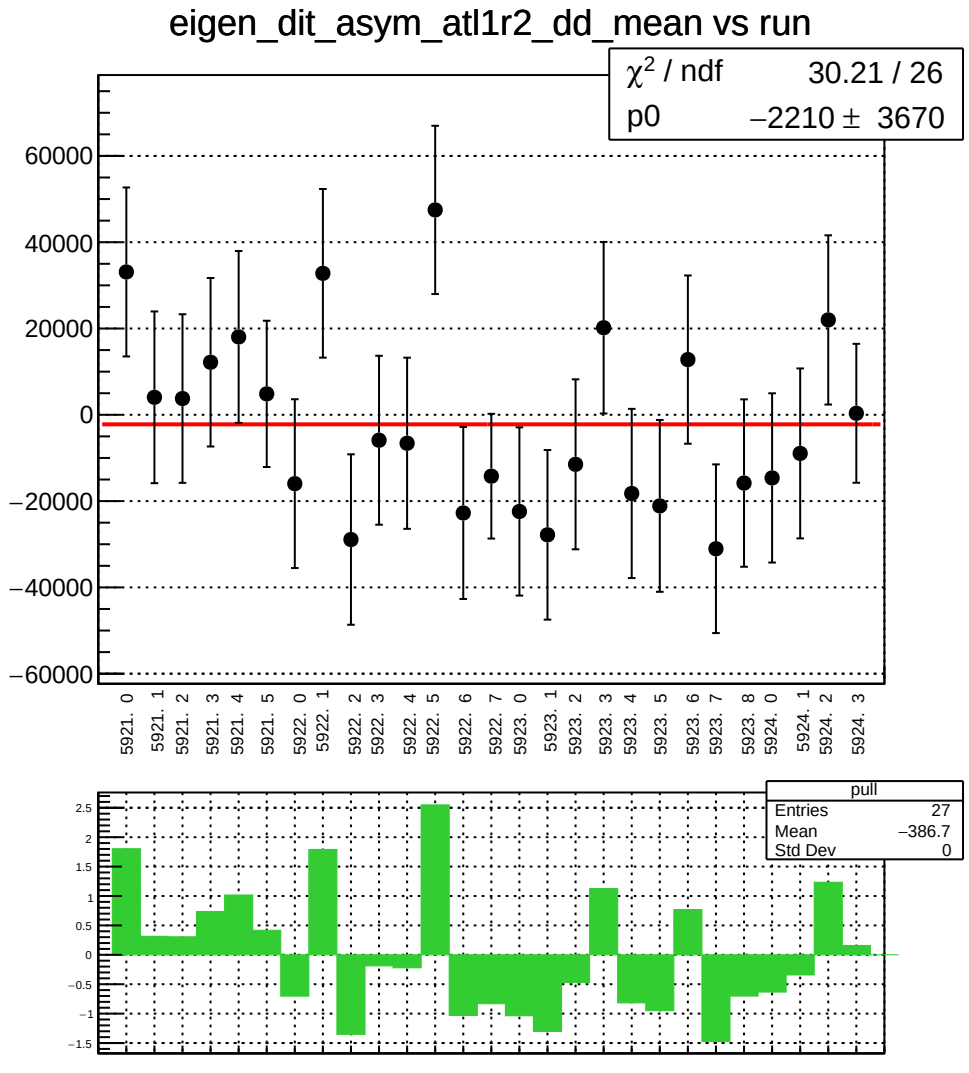

dit_asym_atl1r2_dd_mean vs run
χ² / ndf 30.21 / 26
p0 −2210 ± 3670
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −386.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

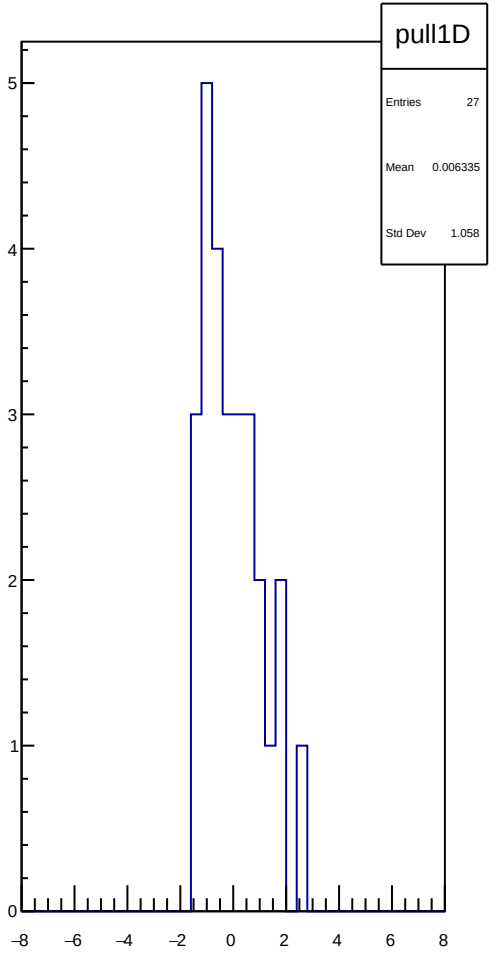

pull1D
Entries 27
Mean 0.006335
Std Dev 1.058
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

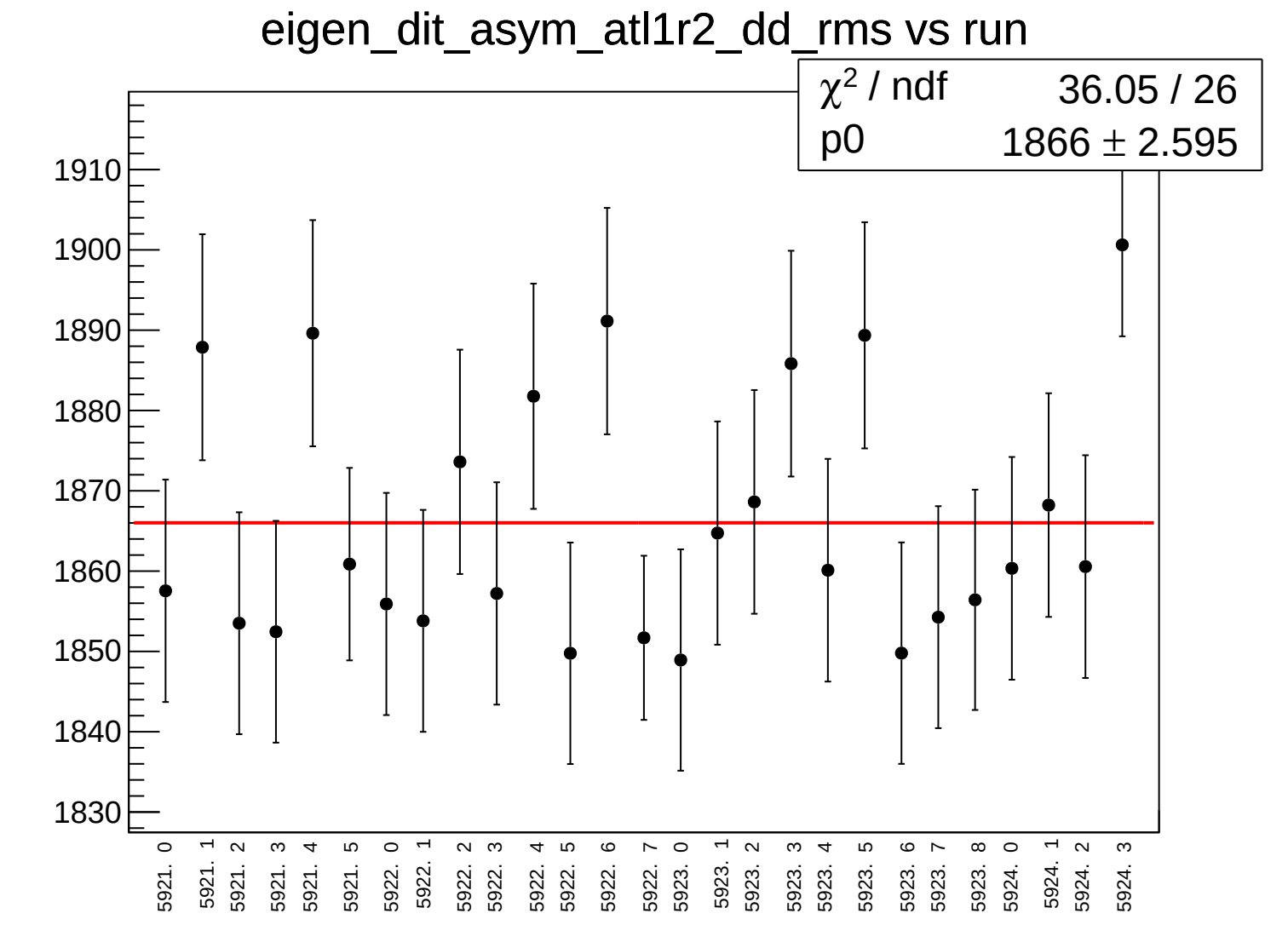

dit_asym_atl1r2_dd_rms vs run
χ² / ndf 36.05 / 26
p0 1866 ± 2.595
1910
1900
1890
1880
1870
1860
1850
1840
1830
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

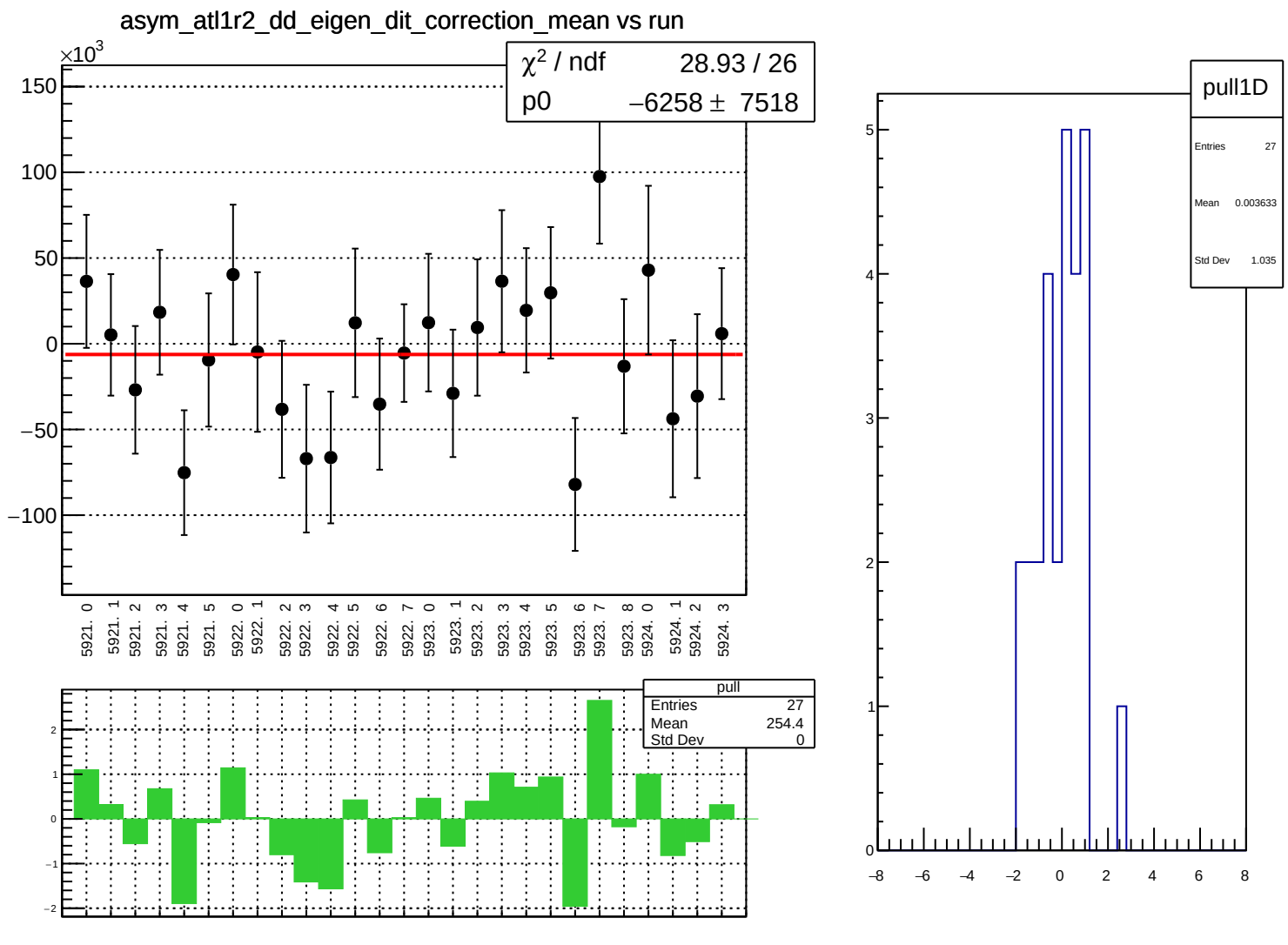

asym_atl1r2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 28.93 / 26
p0 −6258 ± 7518
150
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 254.4
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.003633
Std Dev 1.035
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

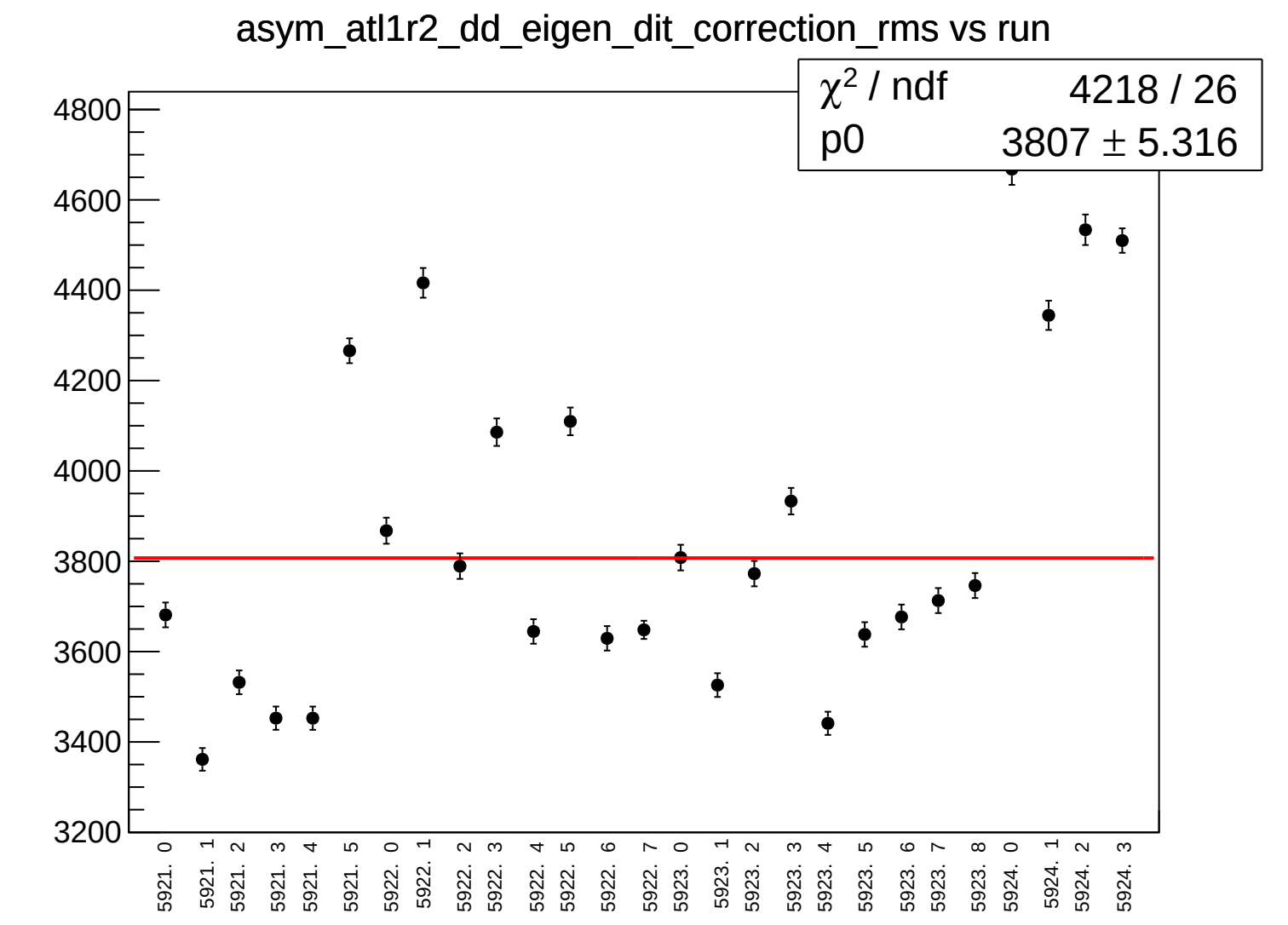

asym_atl1r2_dd_dit_correction_rms vs run
χ² / ndf 4218 / 26
p0 3807 ± 5.316
4800
4600
4400
4200
4000
3800
3600
3400
3200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

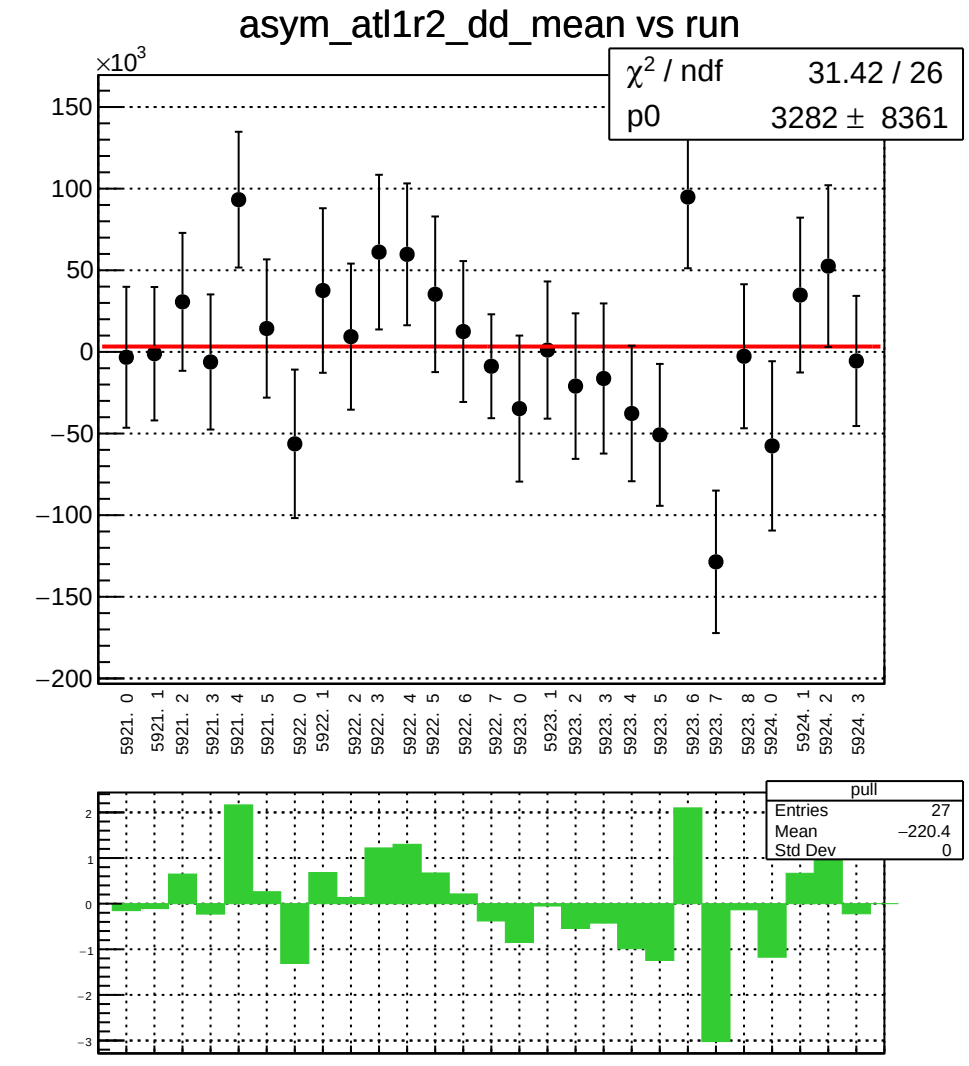

eigen_dit_asym_atl1r2_dd_mean vs run
χ² / ndf 30.21 / 26
p0 −2210 ± 3670
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −386.7
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

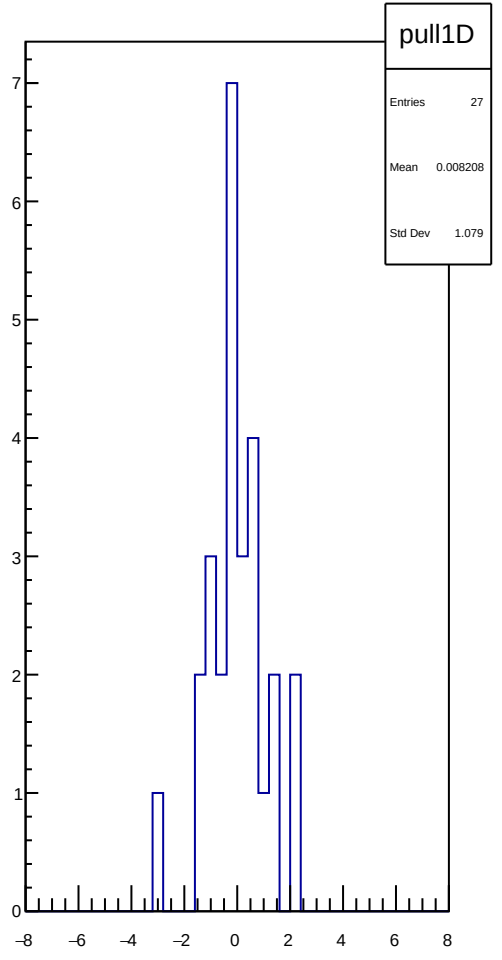

pull1D
Entries 27
Mean 0.006335
Std Dev 1.058
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

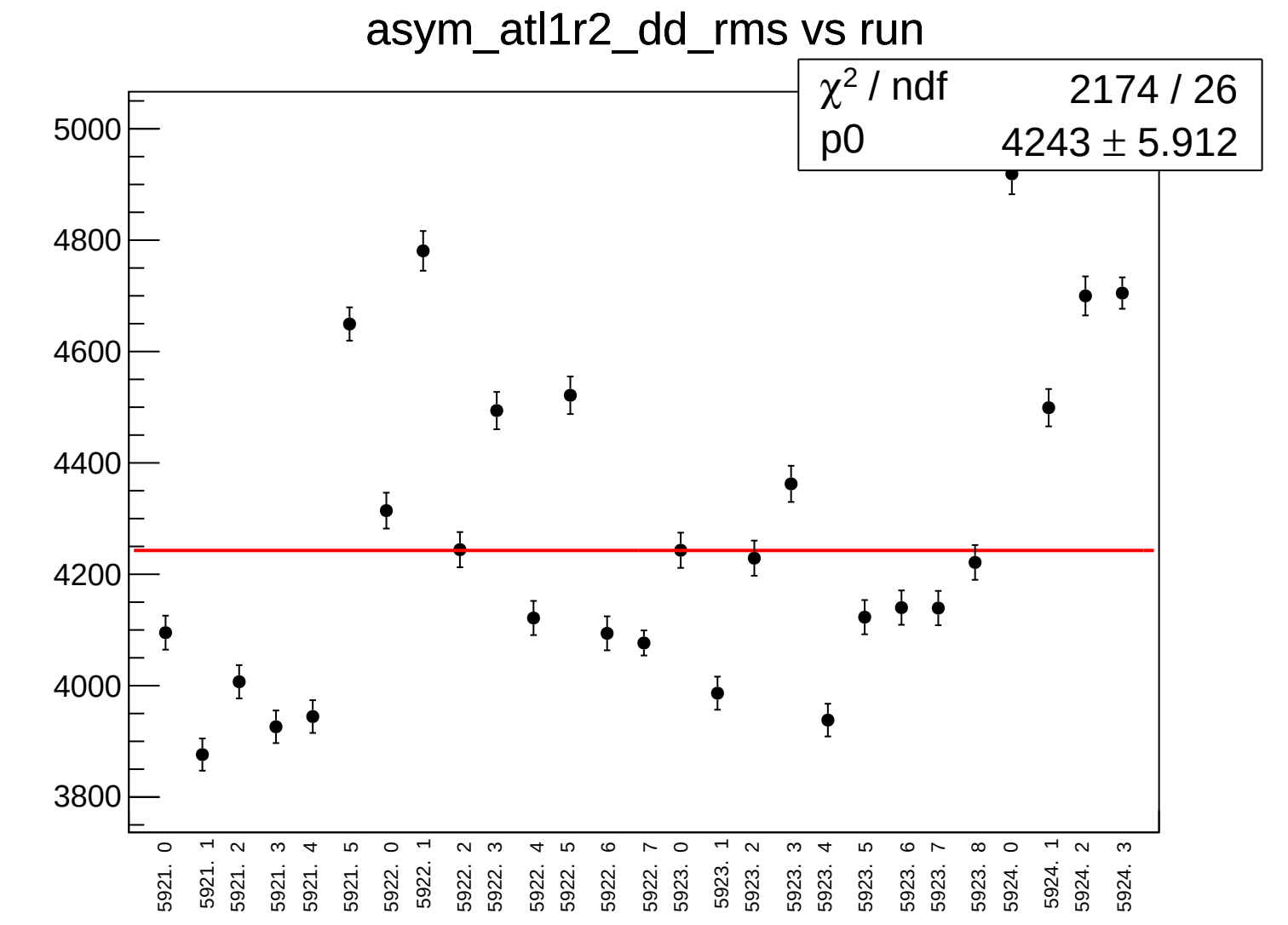

eigen_dit_asym_atl1r2_dd_rms vs run
χ² / ndf 36.05 / 26
p0 1866 ± 2.595
1910
1900
1890
1880
1870
1860
1850
1840
1830
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

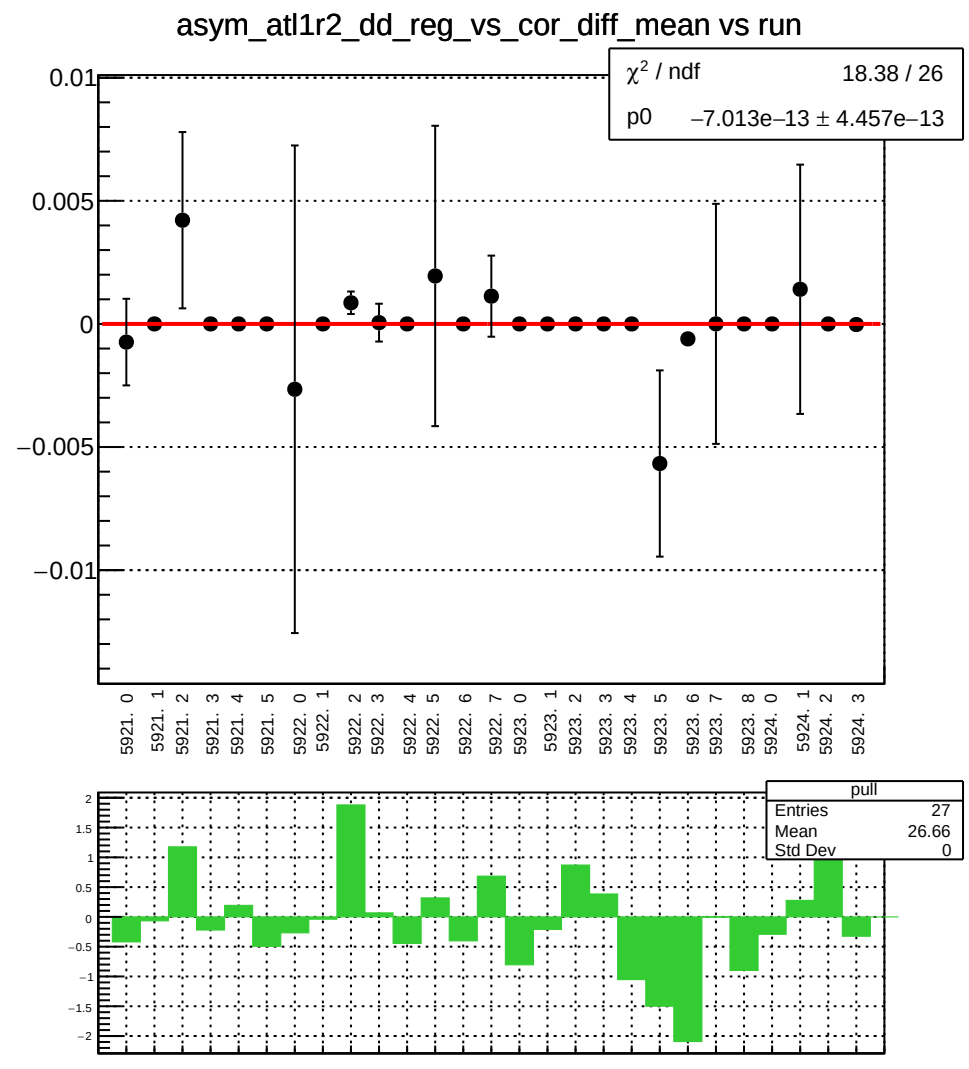

asym_atl1r2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 28.93 / 26
p0 −6258 ± 7518
150
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 254.4
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.003633
Std Dev 1.035
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

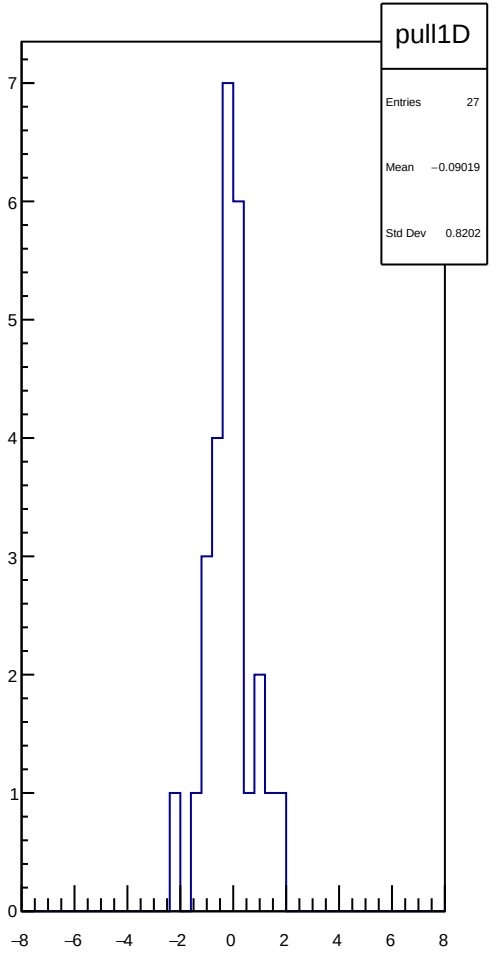

asym_atl1r2_dd_eigen_dit_correction_rms vs run
χ² / ndf 4218 / 26
p0 3807 ± 5.316
4800
4600
4400
4200
4000
3800
3600
3400
3200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

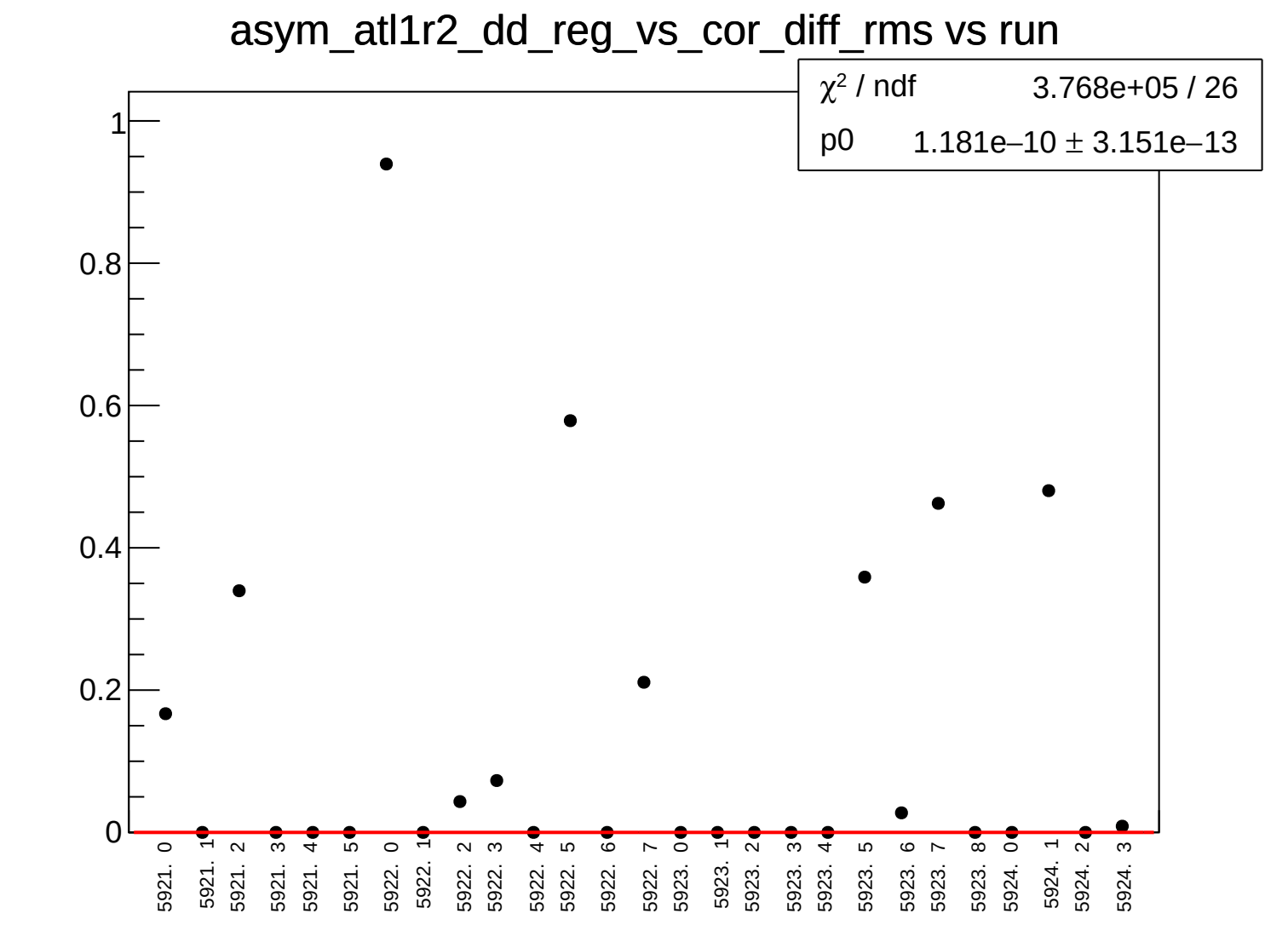

asym_atl1r2_dd_mean vs run
×10^3
χ² / ndf 31.42 / 26
p0 3282 ± 8361
150
100
50
0
−50
−100
−150
−200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −220.4
Std Dev 0
2
1
0
−1
−2
−3

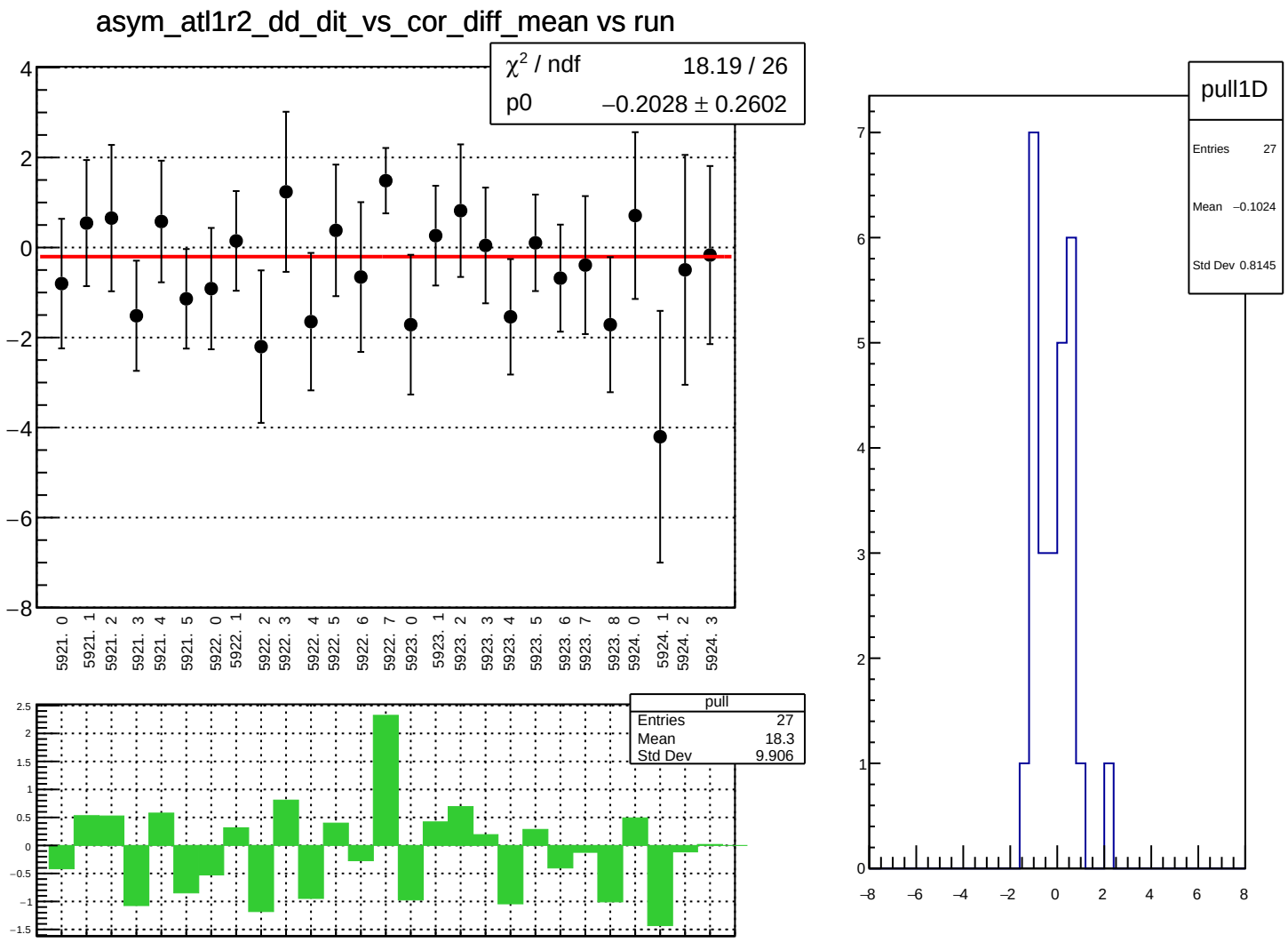

pull1D
Entries 27
Mean 0.008208
Std Dev 1.079
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

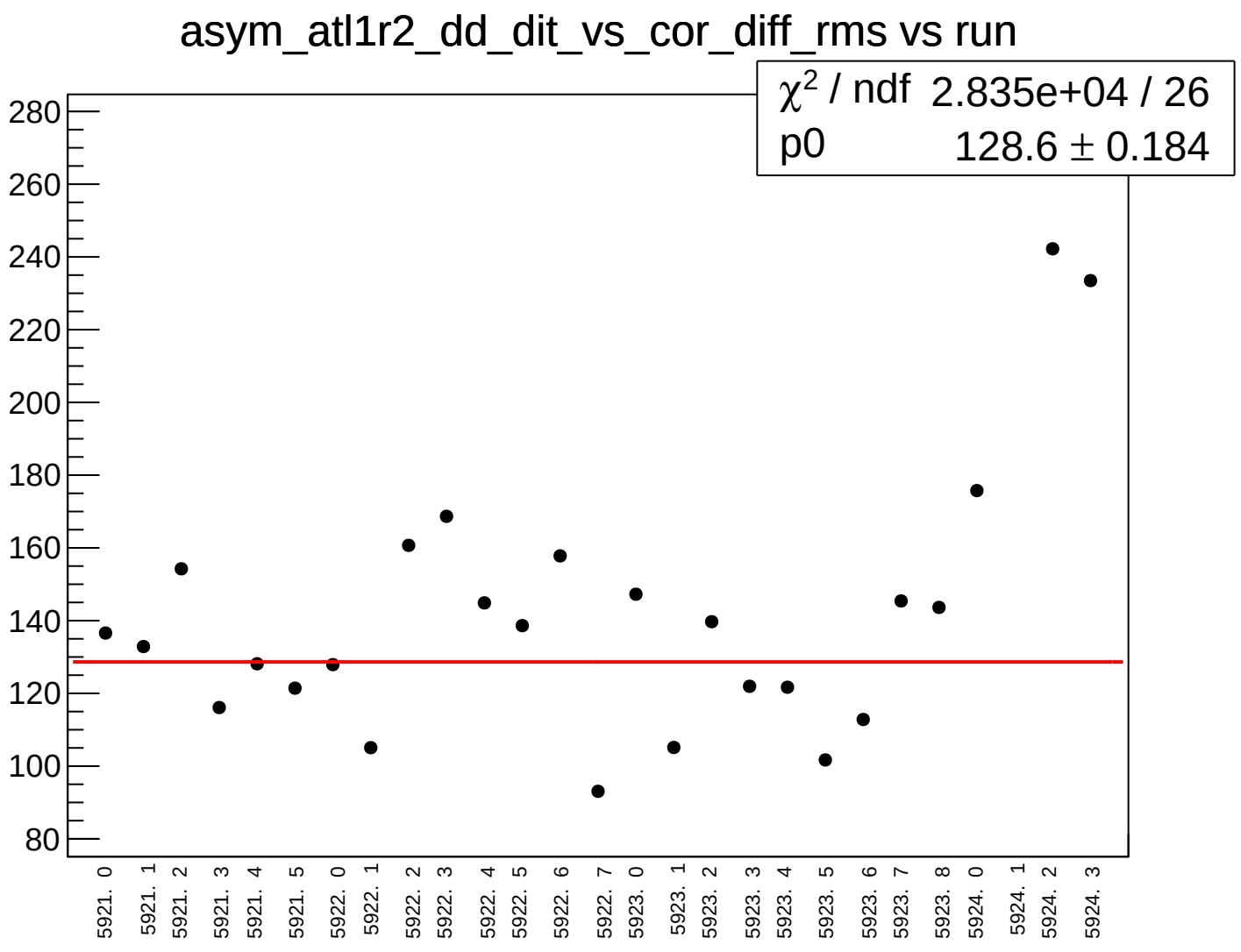

asym_atl1r2_dd_rms vs run
χ^2 / ndf 2174 / 26
p0 4243 ± 5.912
5000
4800
4600
4400
4200
4000
3800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

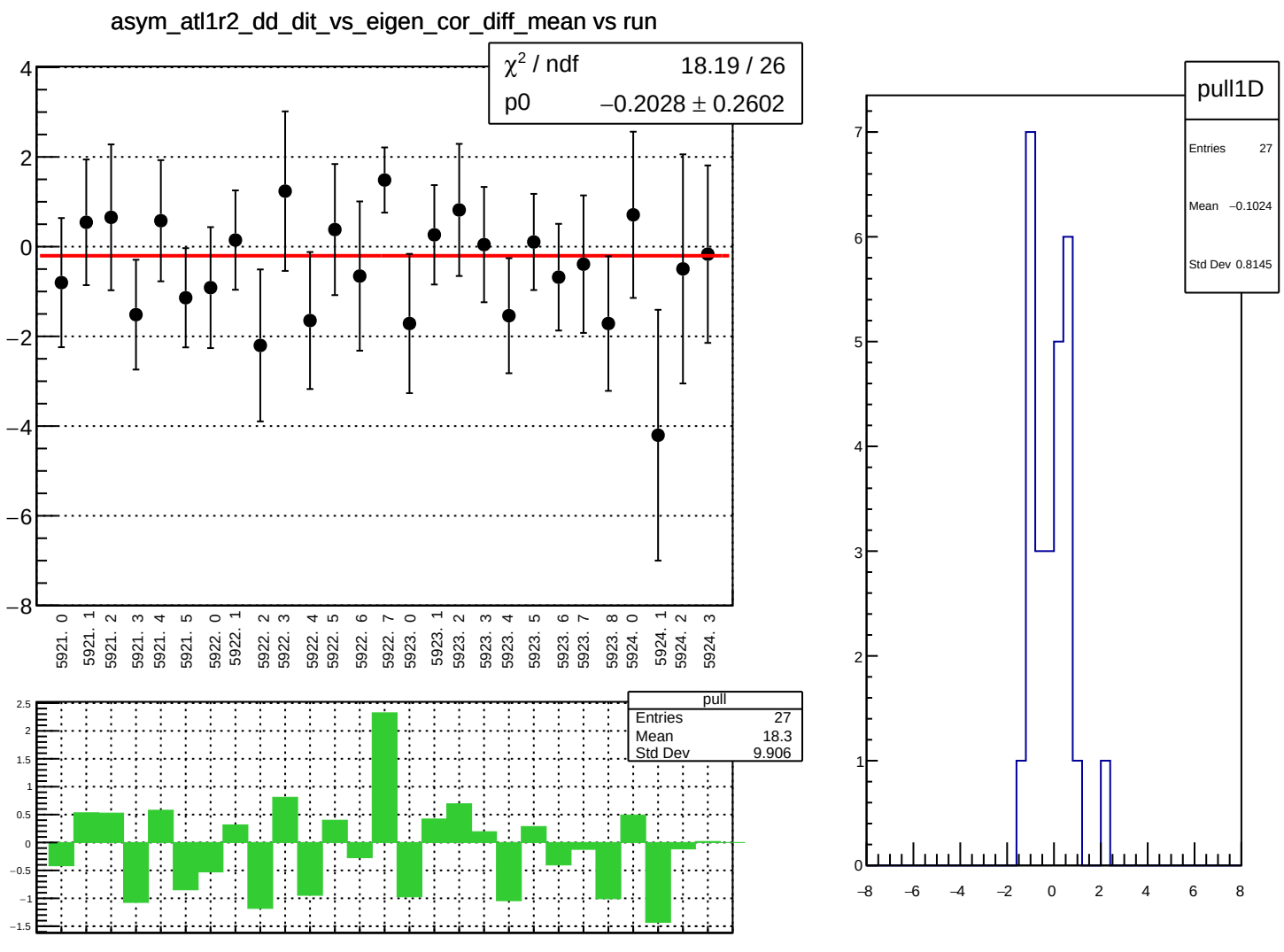

asym_atl1r2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 18.38 / 26
p0 −7.013e−13 ± 4.457e−13
0.01
0.005
0
−0.005
−0.01
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 26.66
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

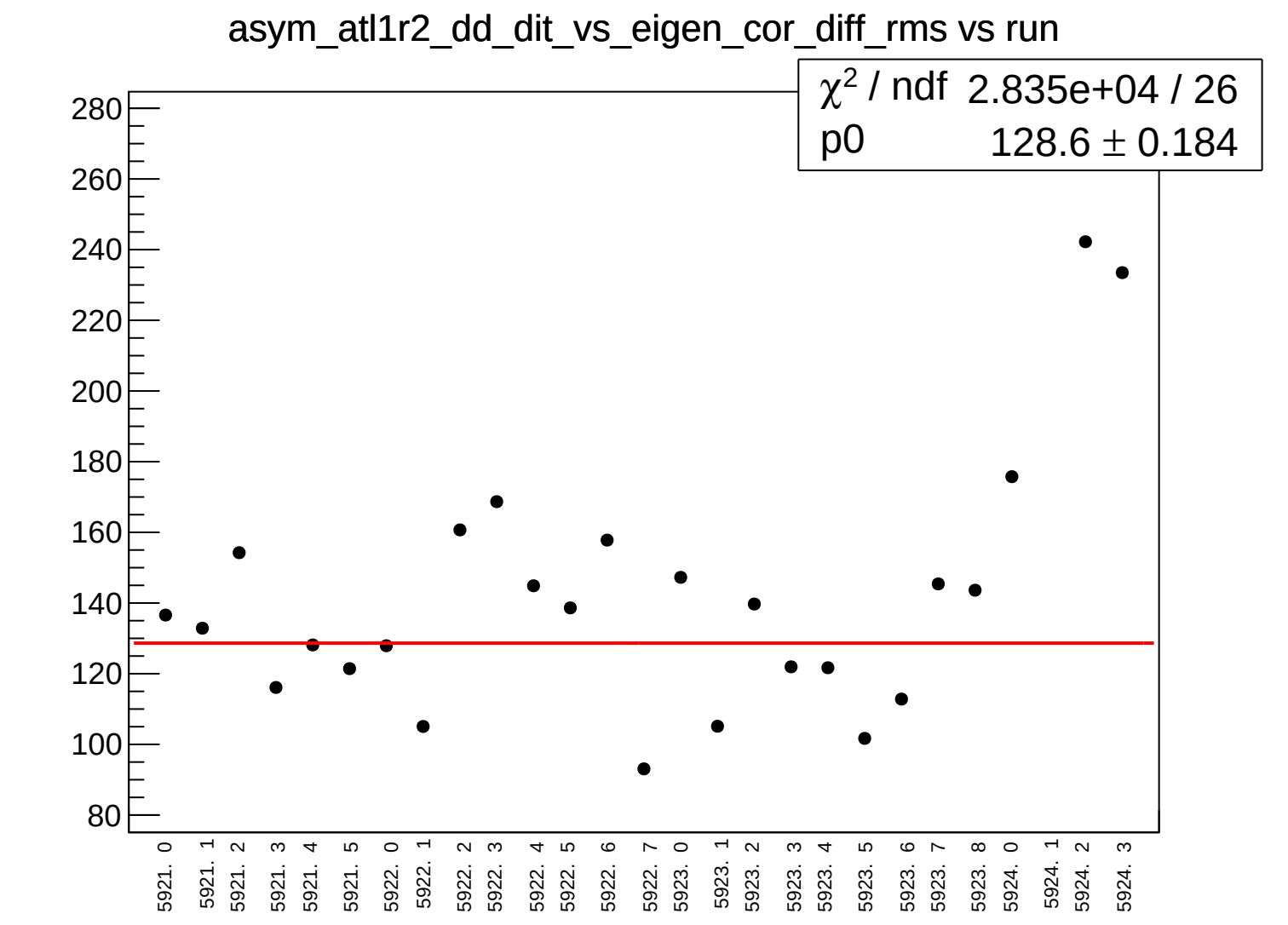

pull1D
Entries 27
Mean −0.09019
Std Dev 0.8202
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

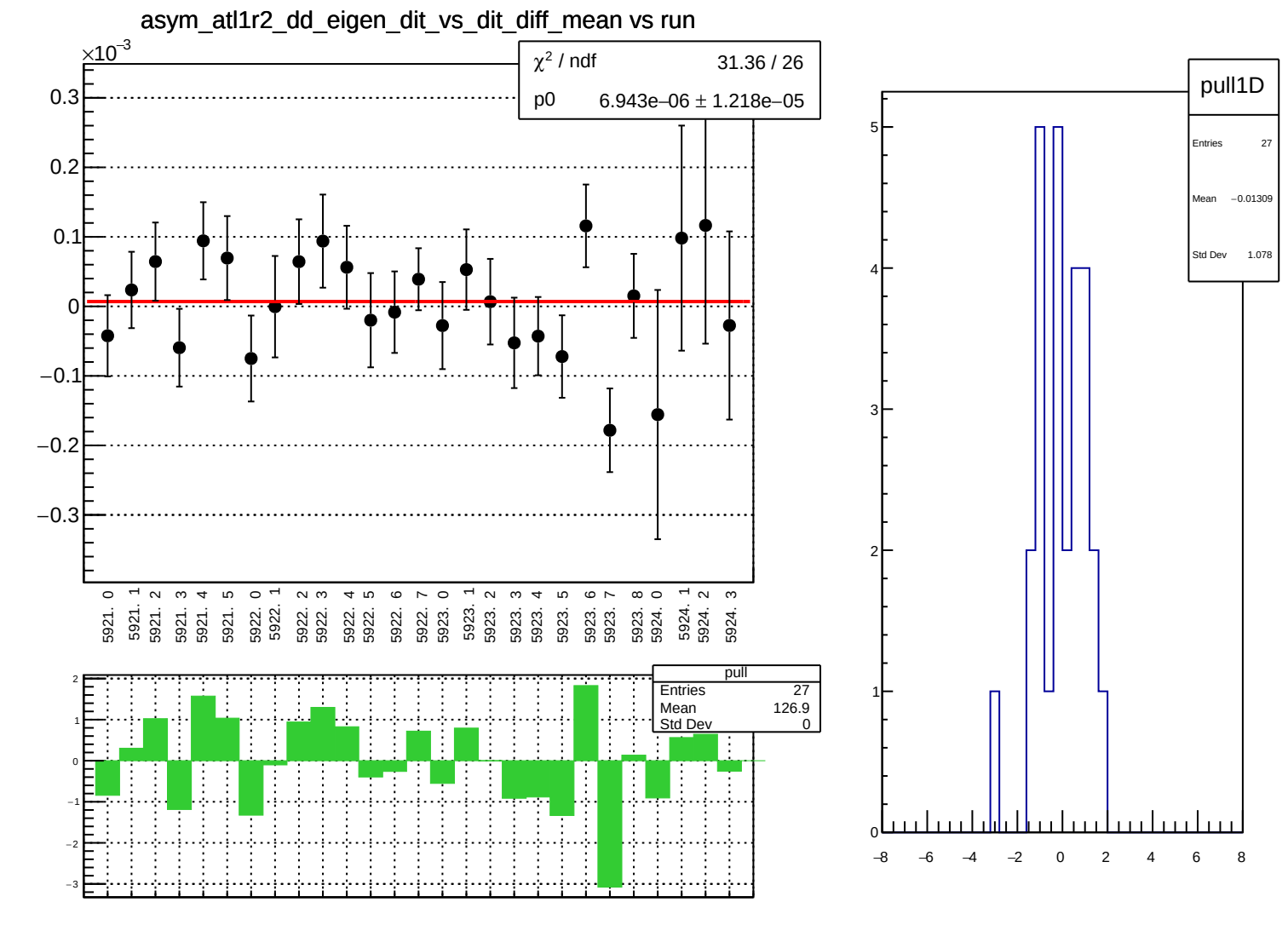

asym_atl1r2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.768e+05 / 26
p0 1.181e−10 ± 3.151e−13
1
0.8
0.6
0.4
0.2
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

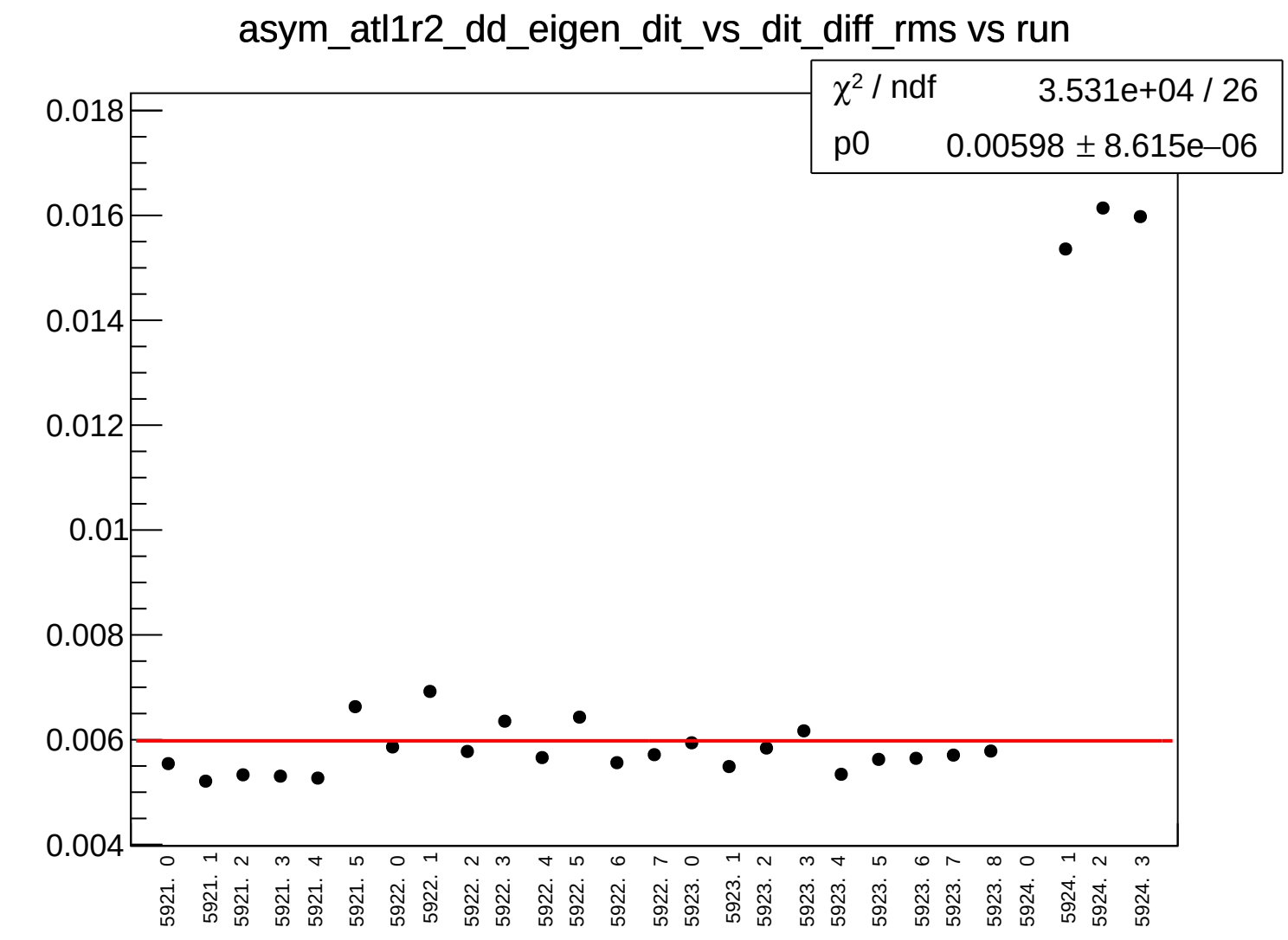

asym_atl1r2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 18.19 / 26
p0 −0.2028 ± 0.2602
4
2
0
−2
−4
−6
−8
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 18.3
Std Dev 9.906
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.1024
Std Dev 0.8145
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

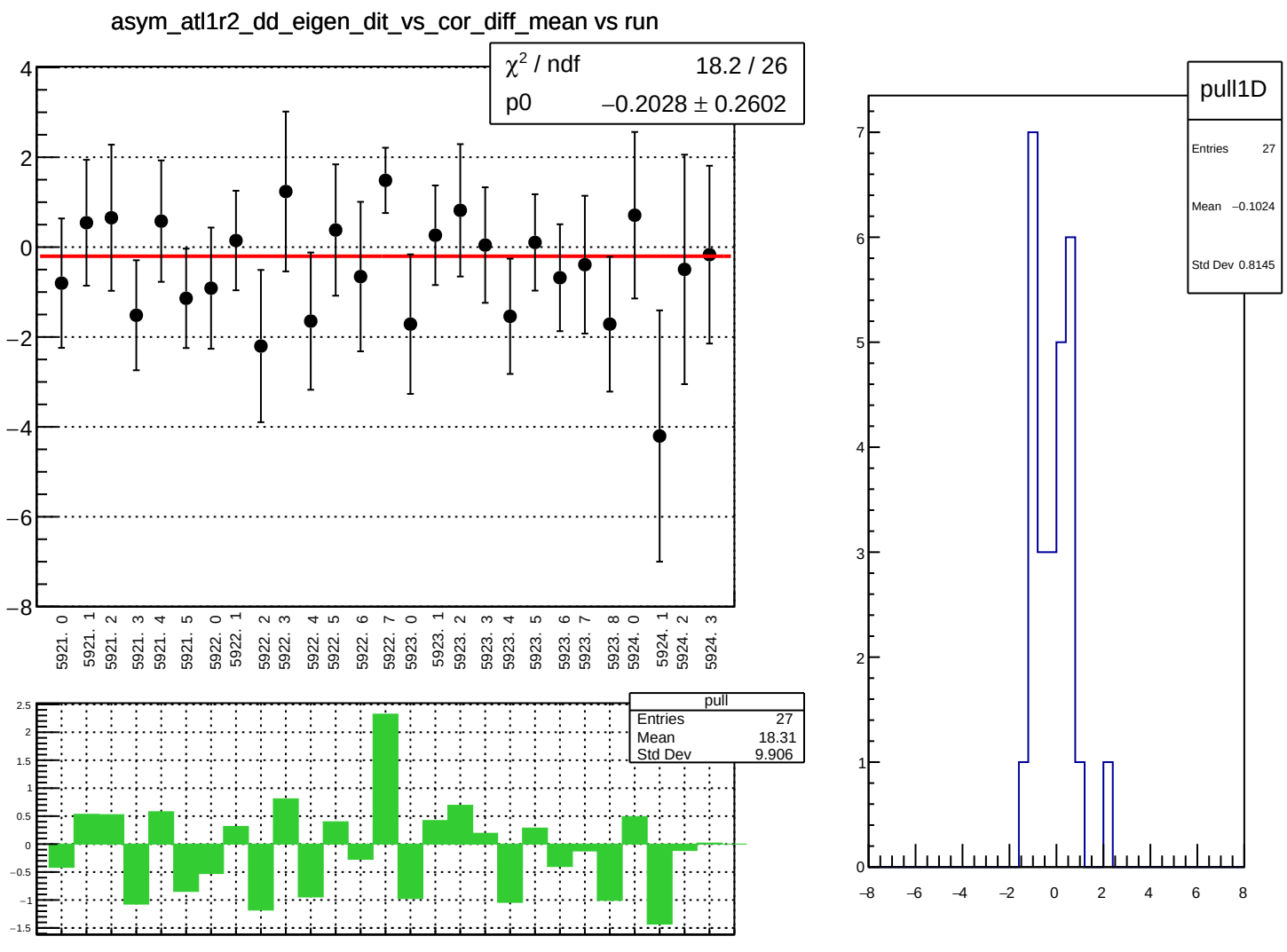

asym_atl1r2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.835e+04 / 26
p0 128.6 ± 0.184
280
260
240
220
200
180
160
140
120
100
80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

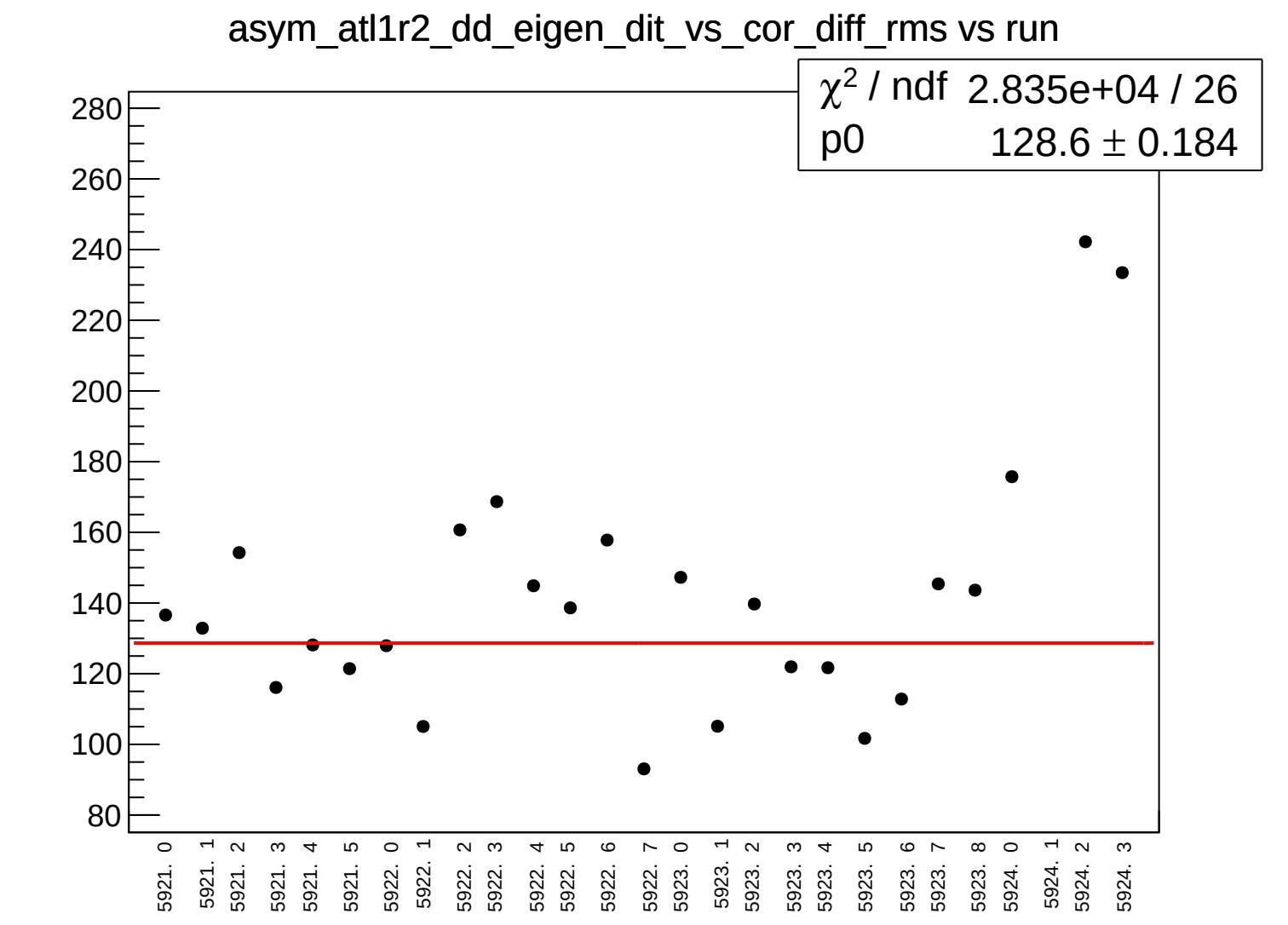

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 18.19 / 26
p0 −0.2028 ± 0.2602
4
2
0
−2
−4
−6
−8
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 18.3
Std Dev 9.906
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.1024
Std Dev 0.8145
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

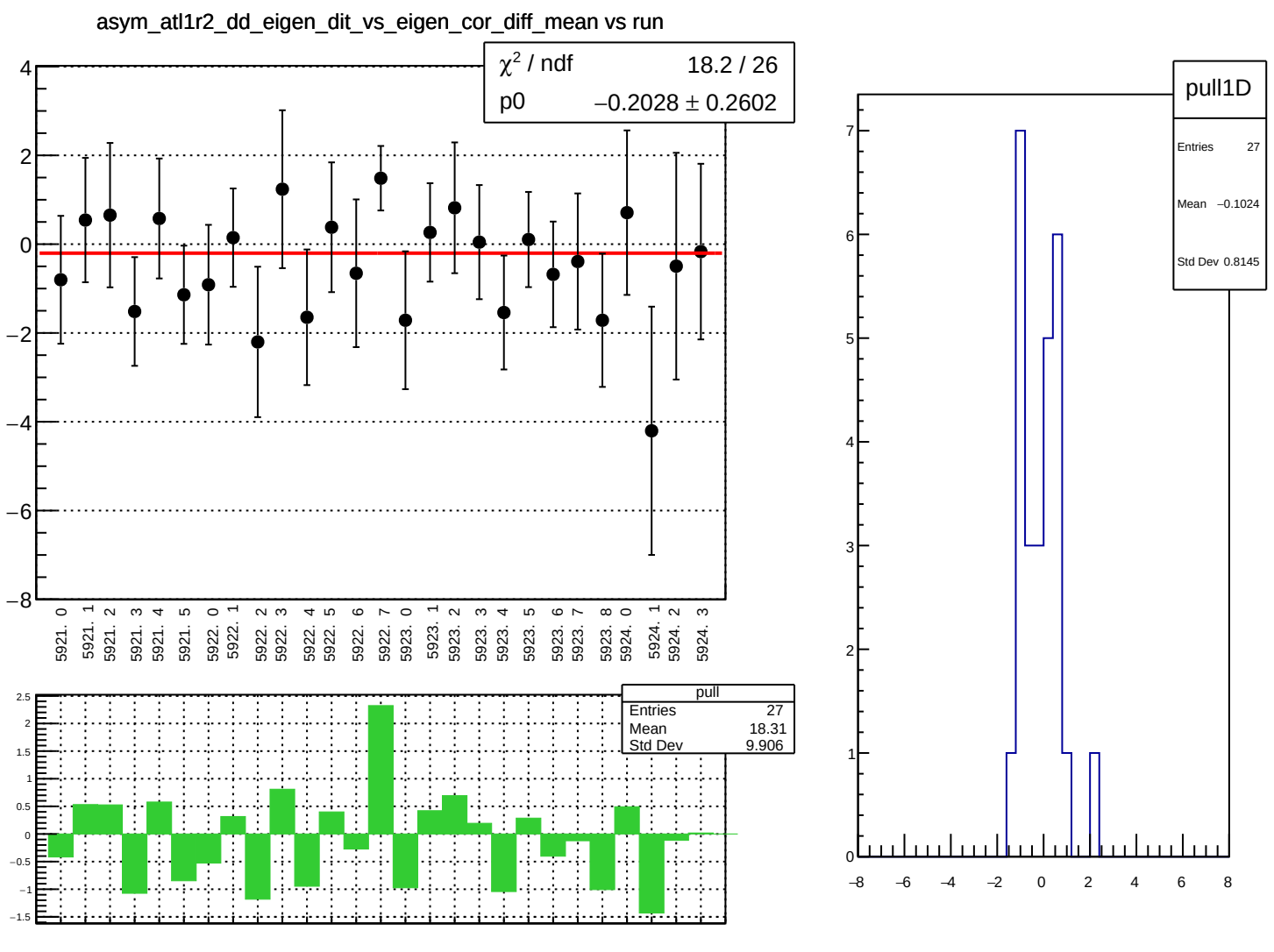

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.835e+04 / 26
p0 128.6 ± 0.184
280
260
240
220
200
180
160
140
120
100
80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

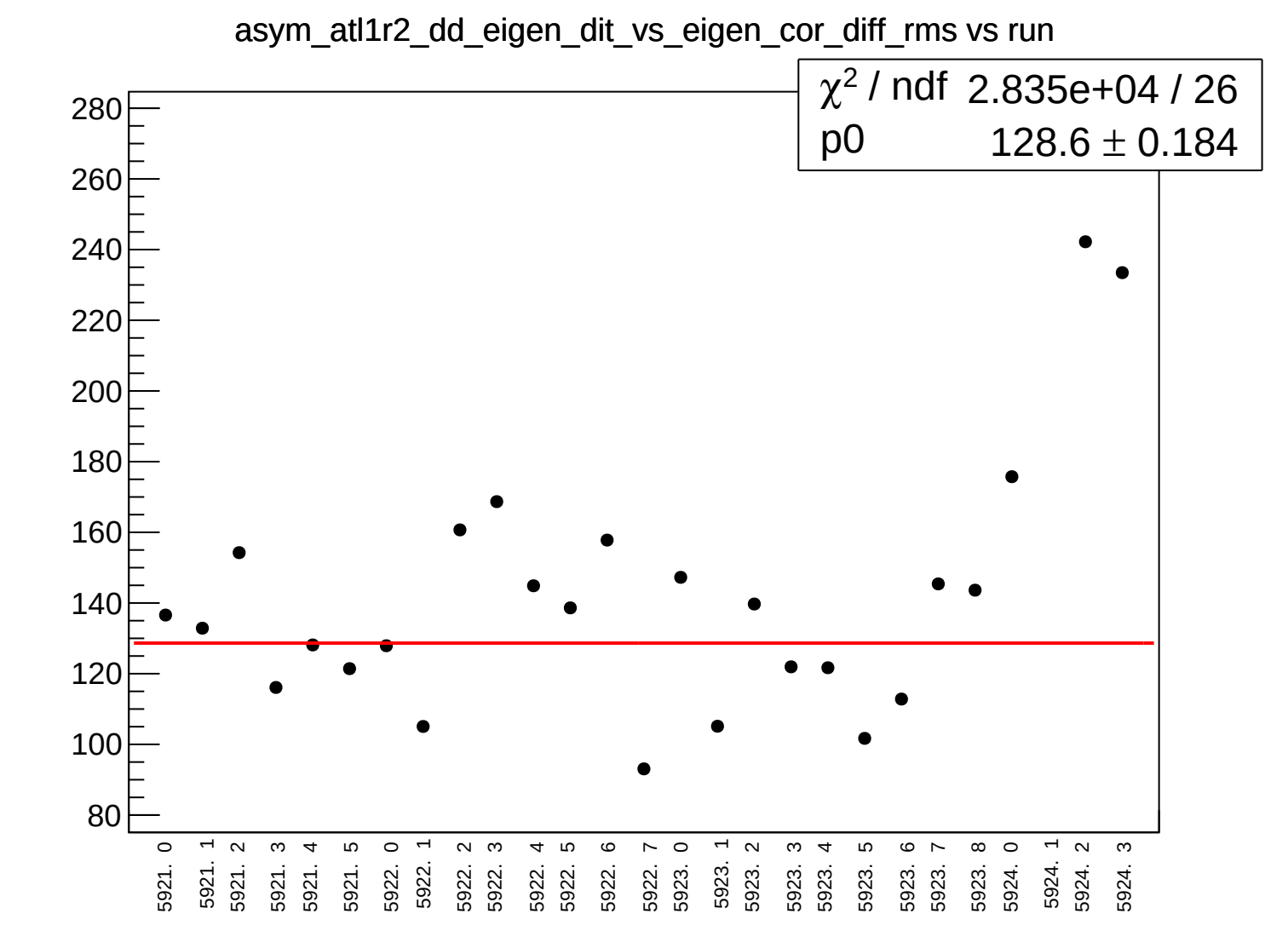

asym_atl1r2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 31.36 / 26
p0 6.943e−06 ± 1.218e−05
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 126.9
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 27
Mean −0.01309
Std Dev 1.078
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

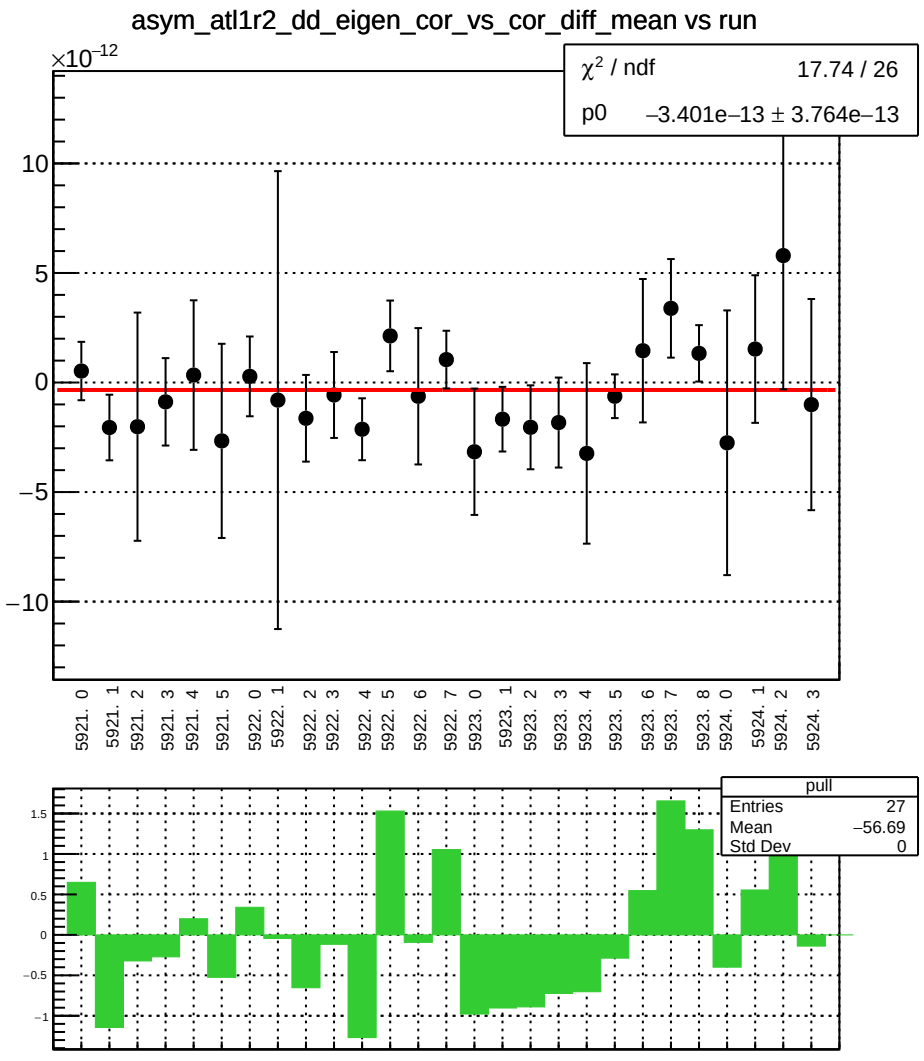

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.531e+04 / 26
p0 0.00598 ± 8.615e−06
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

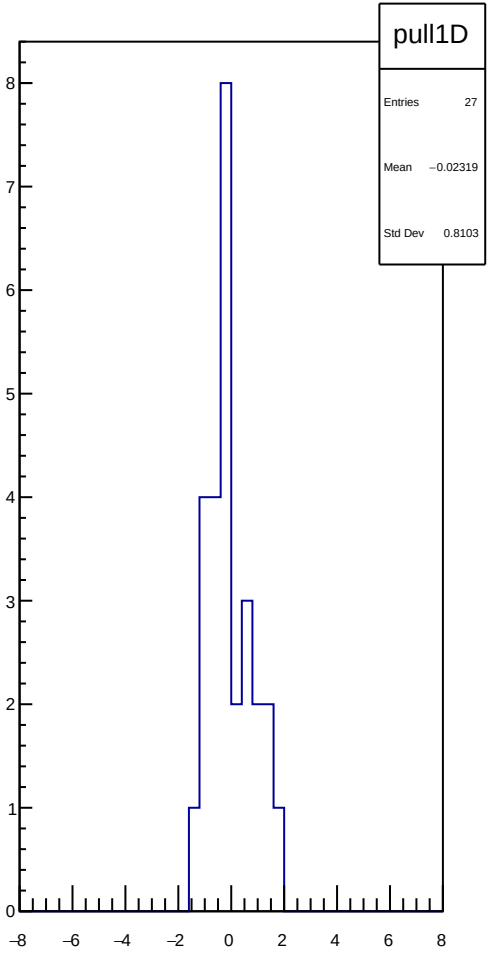

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 18.2 / 26
p0 −0.2028 ± 0.2602
4
2
0
−2
−4
−6
−8
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 18.31
Std Dev 9.906
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.1024
Std Dev 0.8145
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

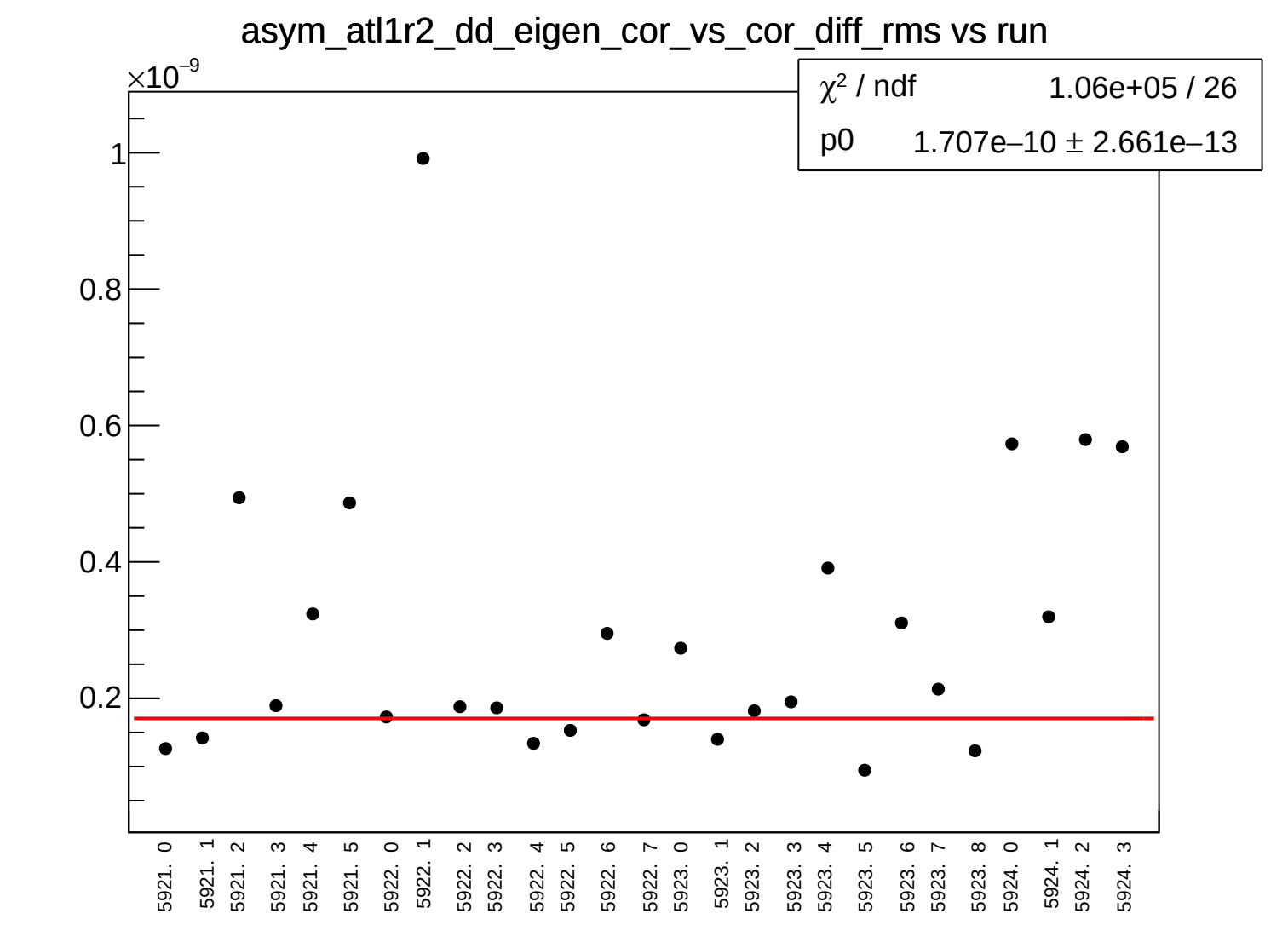

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.835e+04 / 26
p0 128.6 ± 0.184
280
260
240
220
200
180
160
140
120
100
80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

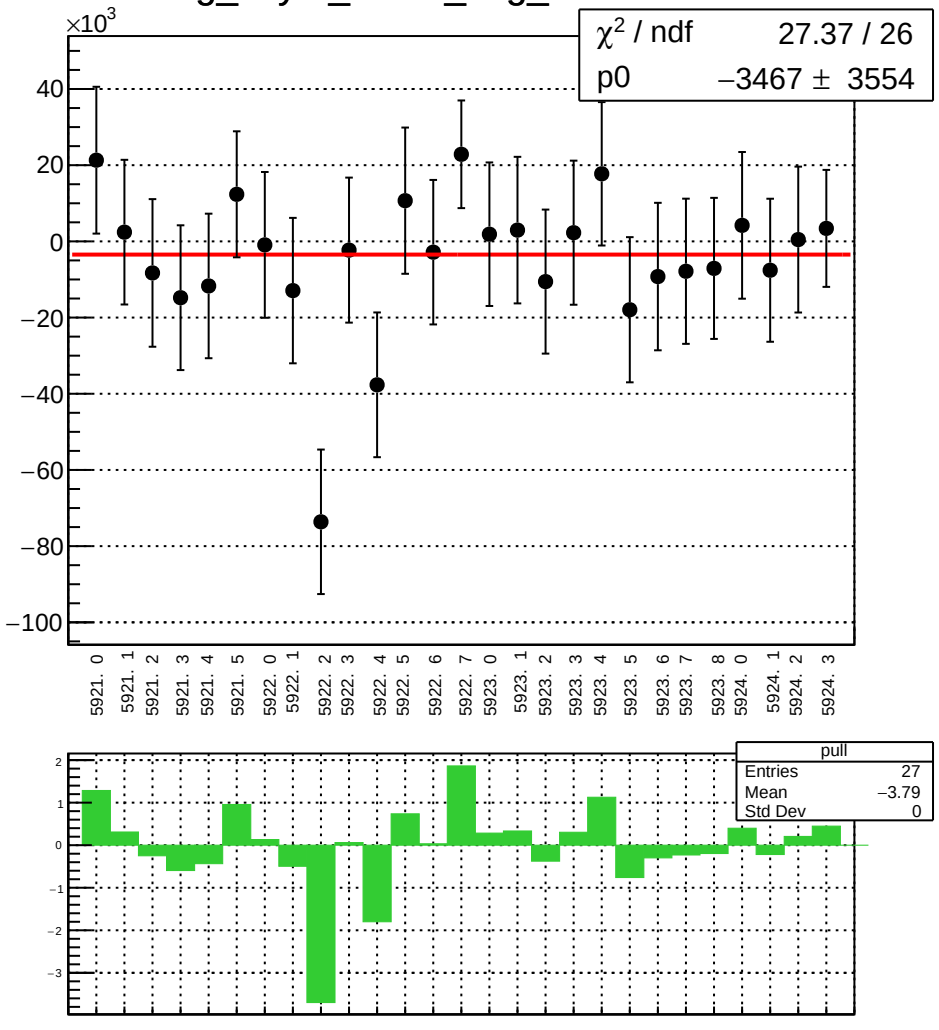

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 18.2 / 26
p0 −0.2028 ± 0.2602
pull
Entries 27
Mean 18.31
Std Dev 9.906
pull1D
Entries 27
Mean −0.1024
Std Dev 0.8145

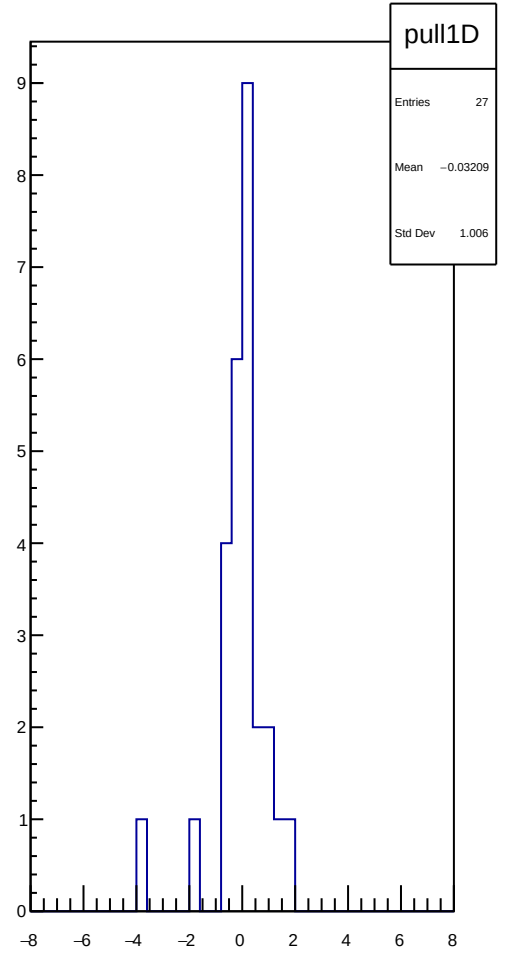

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.835e+04 / 26
p0 128.6 ± 0.184
280
260
240
220
200
180
160
140
120
100
80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

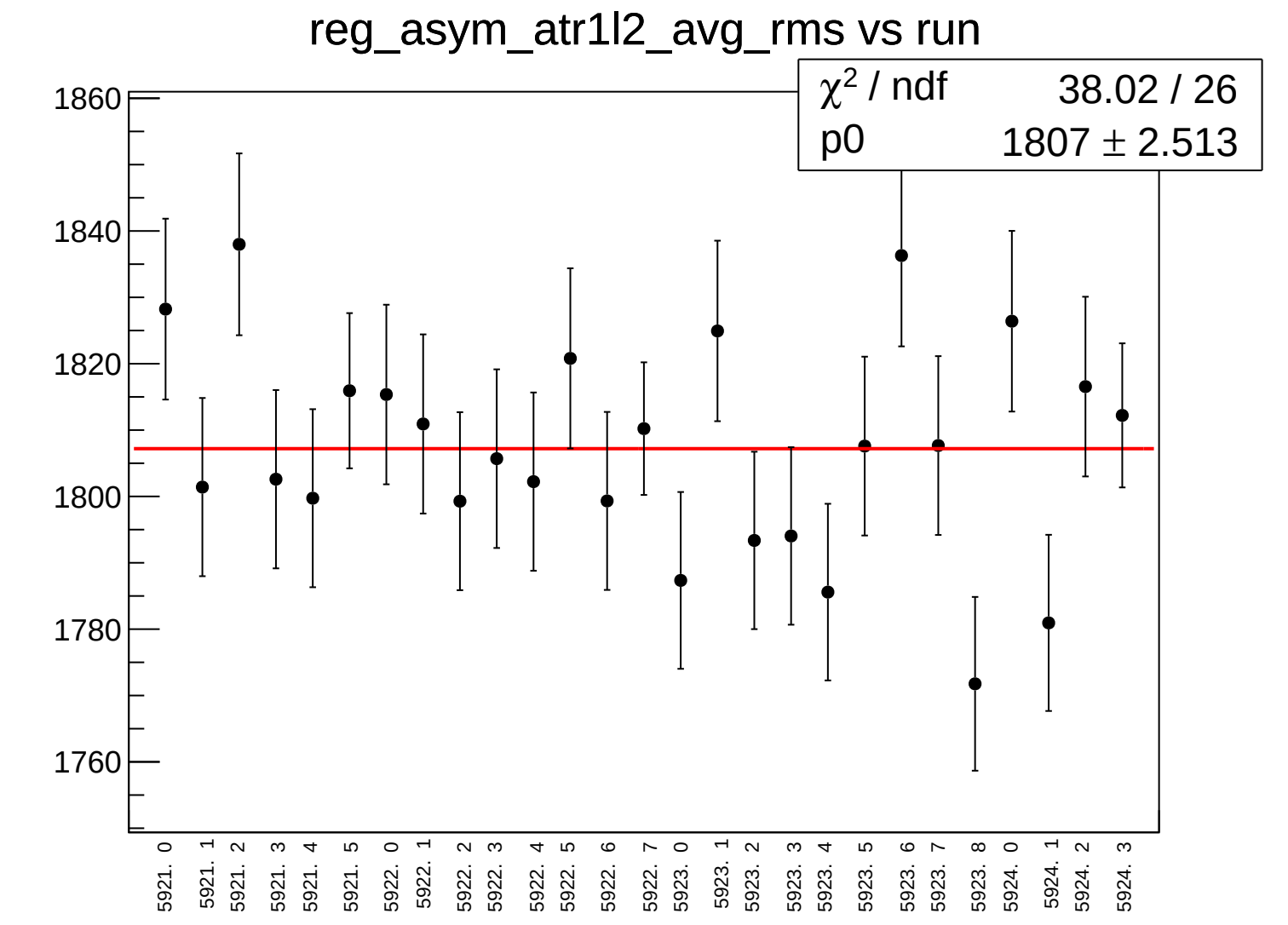

asym_atl1r2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 17.74 / 26
p0 −3.401e−13 ± 3.764e−13
10
5
0
−5
−10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −56.69
Std Dev 0
1.5
1
0.5
0
−0.5
−1

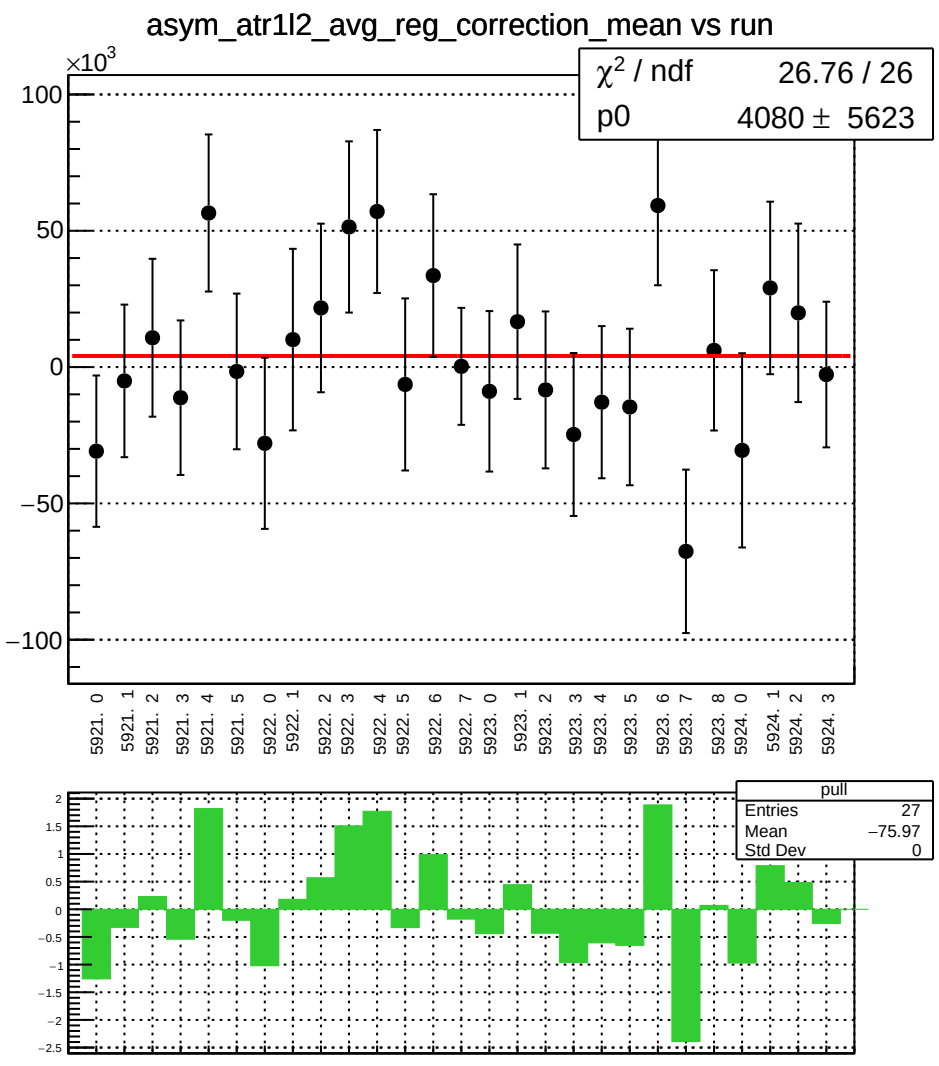

pull1D
Entries 27
Mean −0.02319
Std Dev 0.8103
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

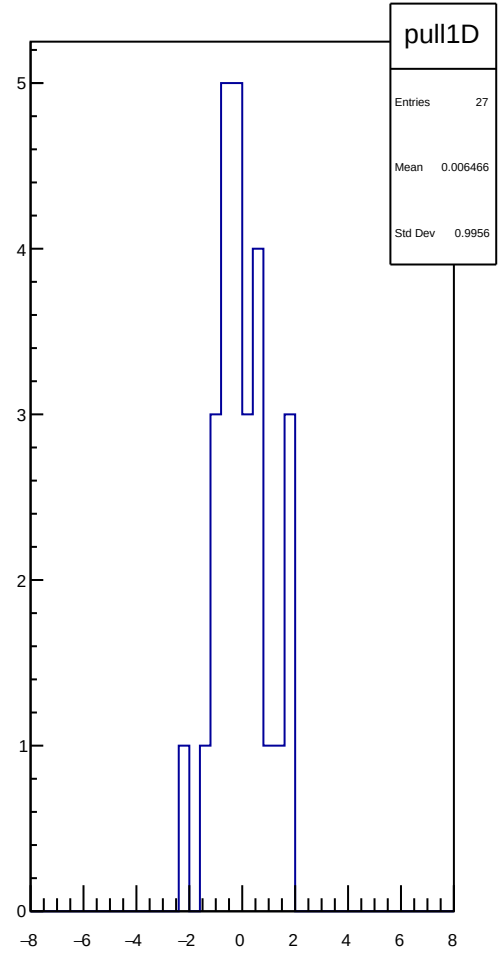

asym_atl1r2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.06e+05 / 26
p0 1.707e−10 ± 2.661e−13
1
0.8
0.6
0.4
0.2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

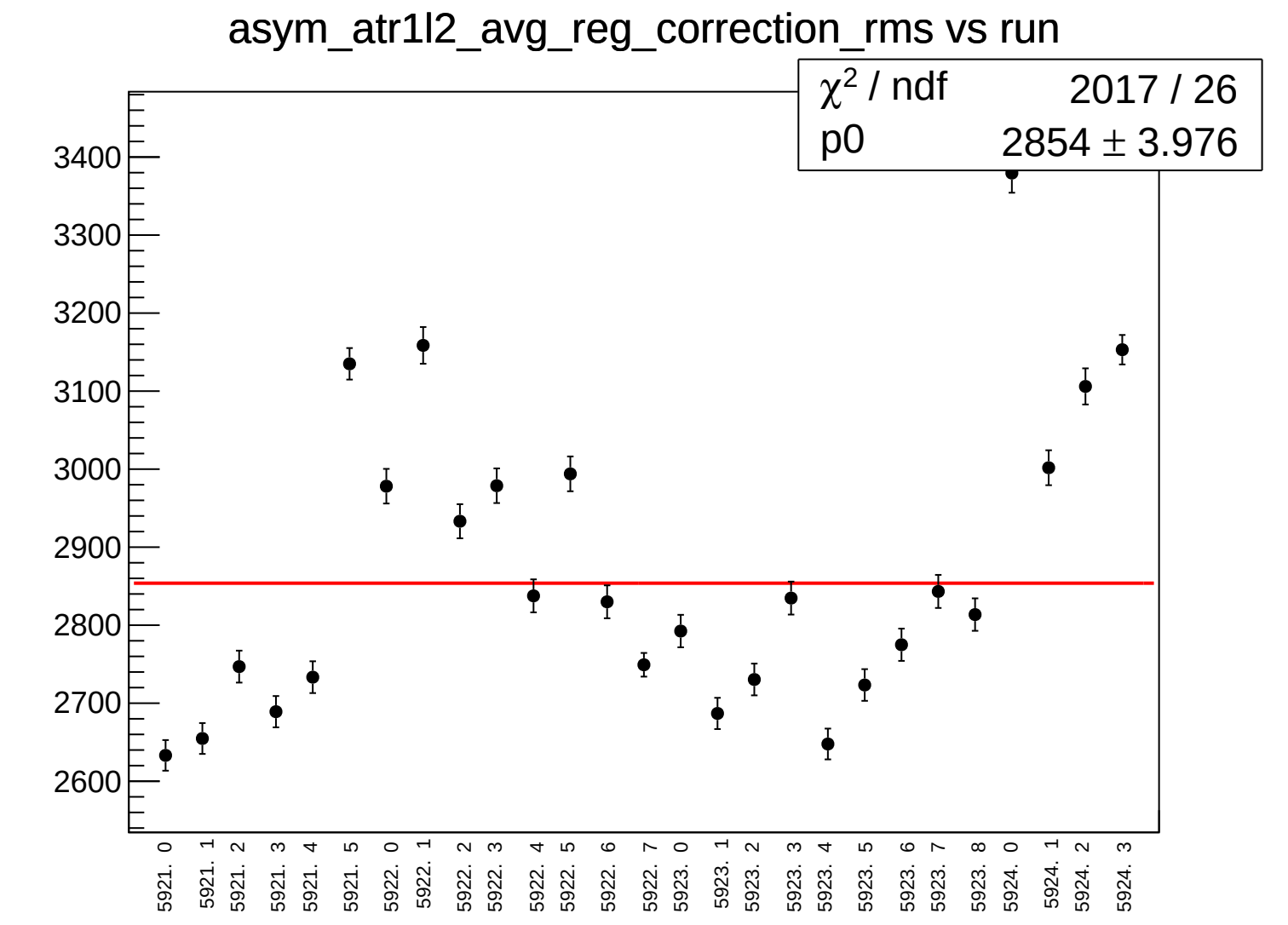

reg_asym_atr1l2_avg_mean vs run
×10^3
χ² / ndf 27.37 / 26
p0 −3467 ± 3554
40
20
0
−20
−40
−60
−80
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −3.79
Std Dev 0
2
1
0
−1
−2
−3

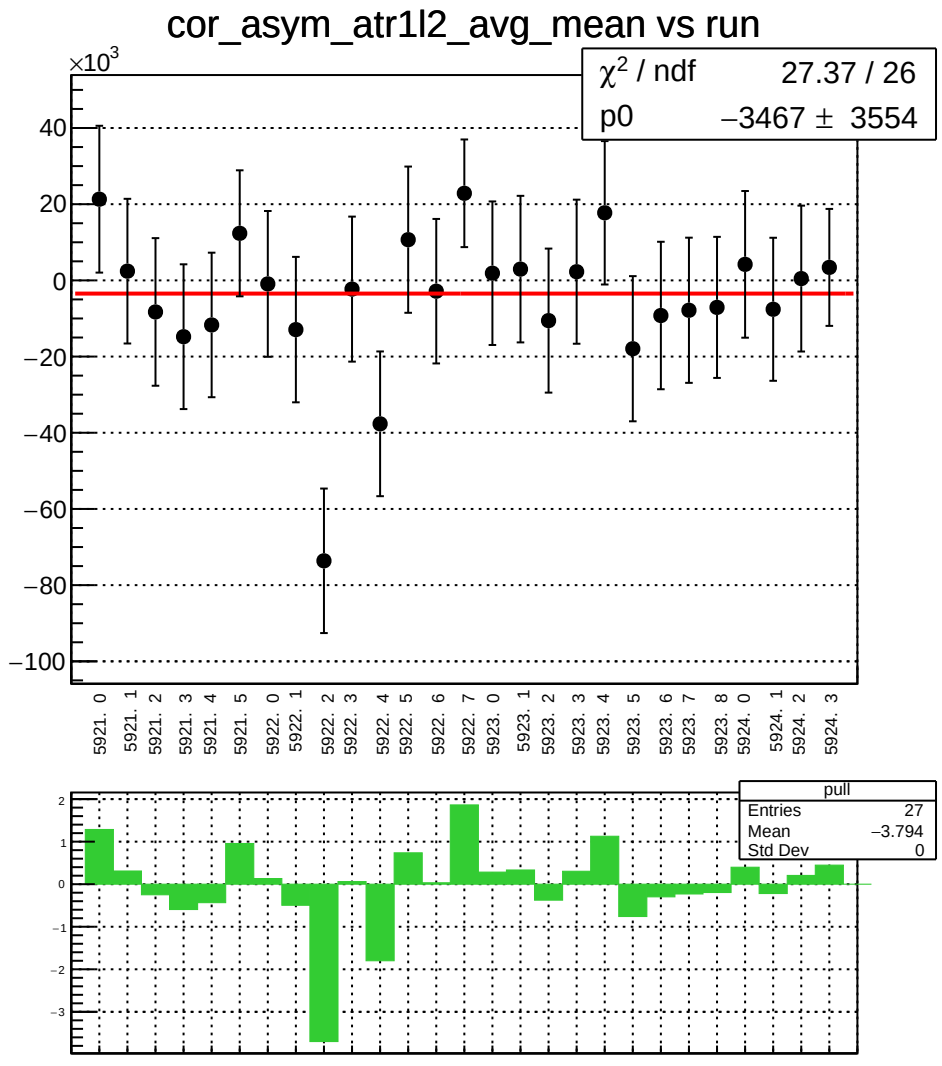

pull1D
Entries 27
Mean −0.03209
Std Dev 1.006
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

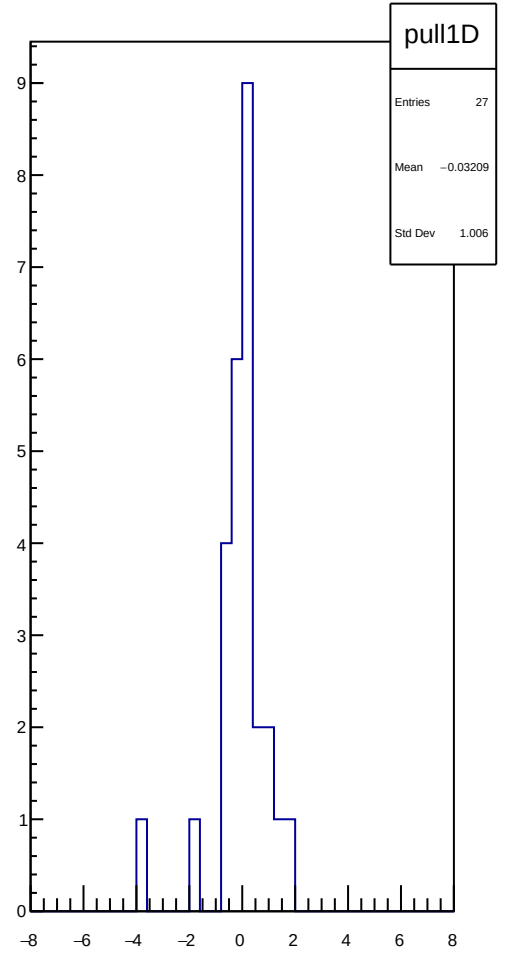

reg_asym_atr1l2_avg_rms vs run
χ² / ndf 38.02 / 26
p0 1807 ± 2.513
1860
1840
1820
1800
1780
1760
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

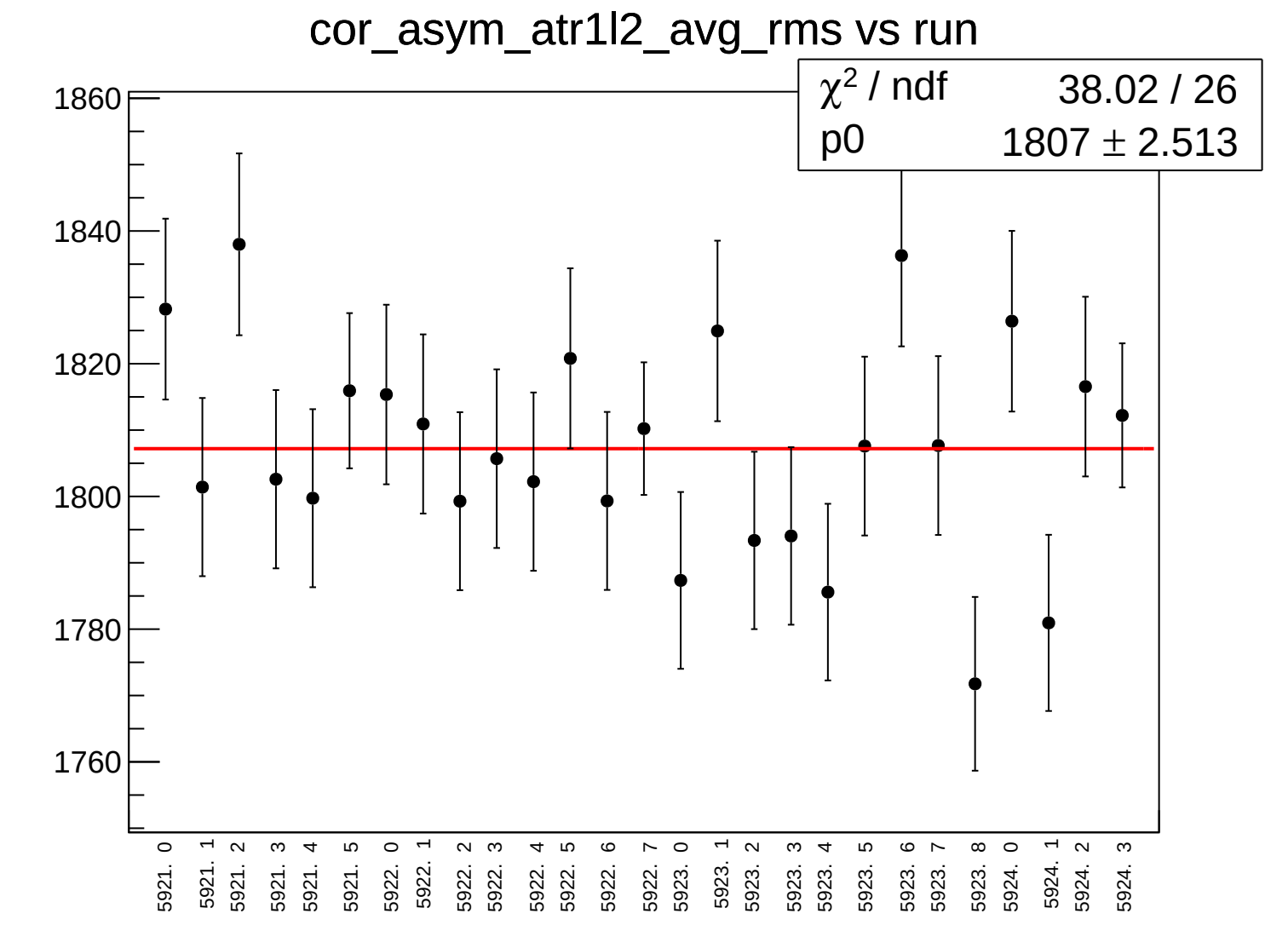

asym_atr1l2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 26.76 / 26
p0 4080 ± 5623
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −75.97
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

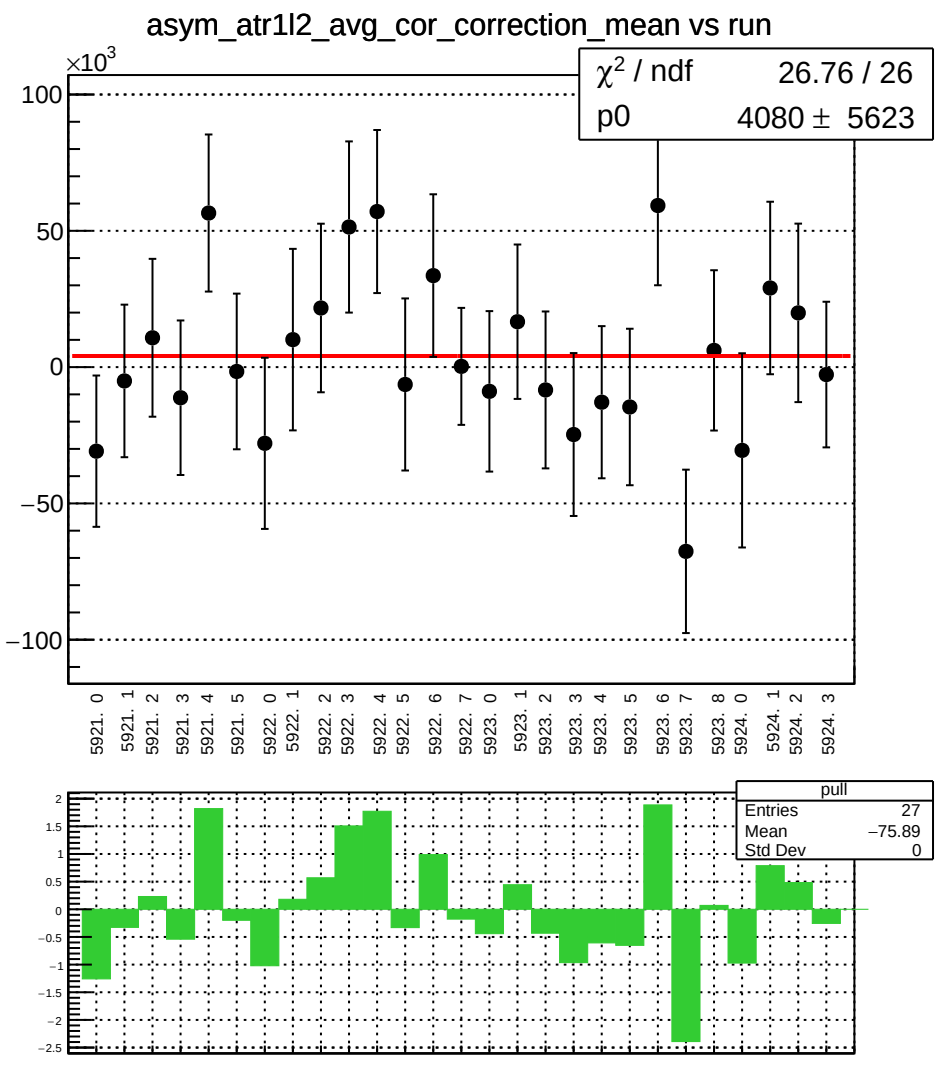

pull1D
Entries 27
Mean 0.006466
Std Dev 0.9956
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

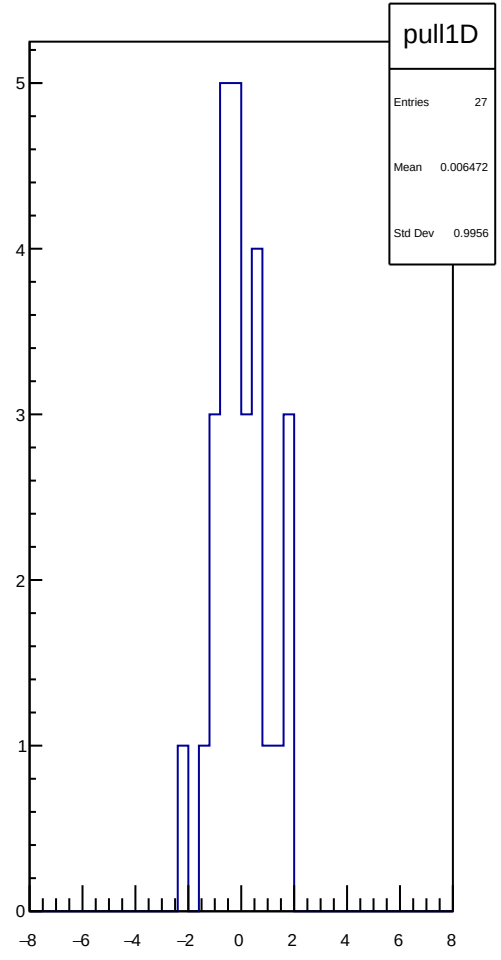

asym_atr1l2_avg_reg_correction_rms vs run
χ² / ndf 2017 / 26
p0 2854 ± 3.976
3400
3300
3200
3100
3000
2900
2800
2700
2600
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

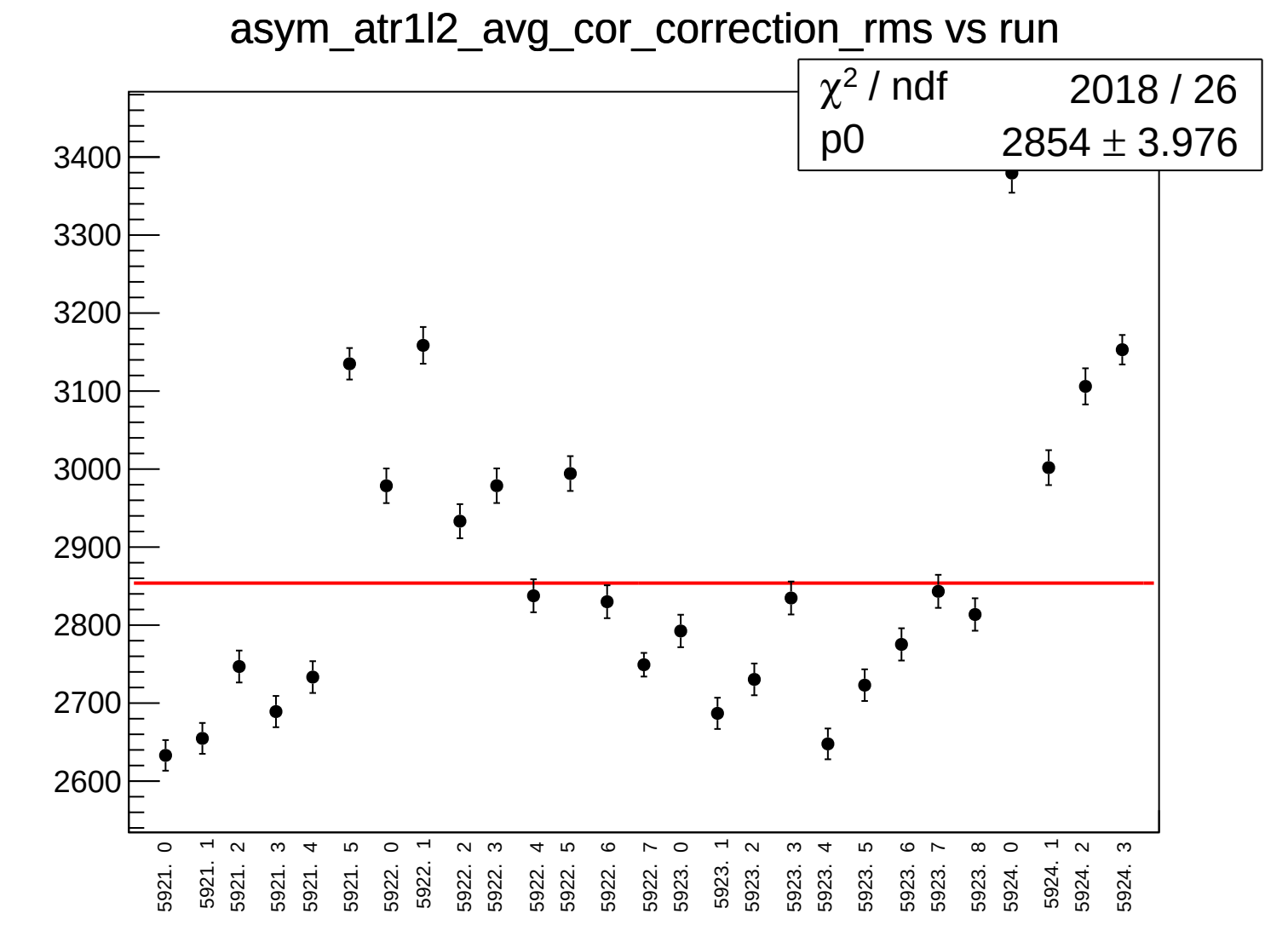

cor_asym_atr1l2_avg_mean vs run
×10^3
χ² / ndf 27.37 / 26
p0 −3467 ± 3554
40
20
0
−20
−40
−60
−80
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −3.794
Std Dev 0
2
1
0
−1
−2
−3

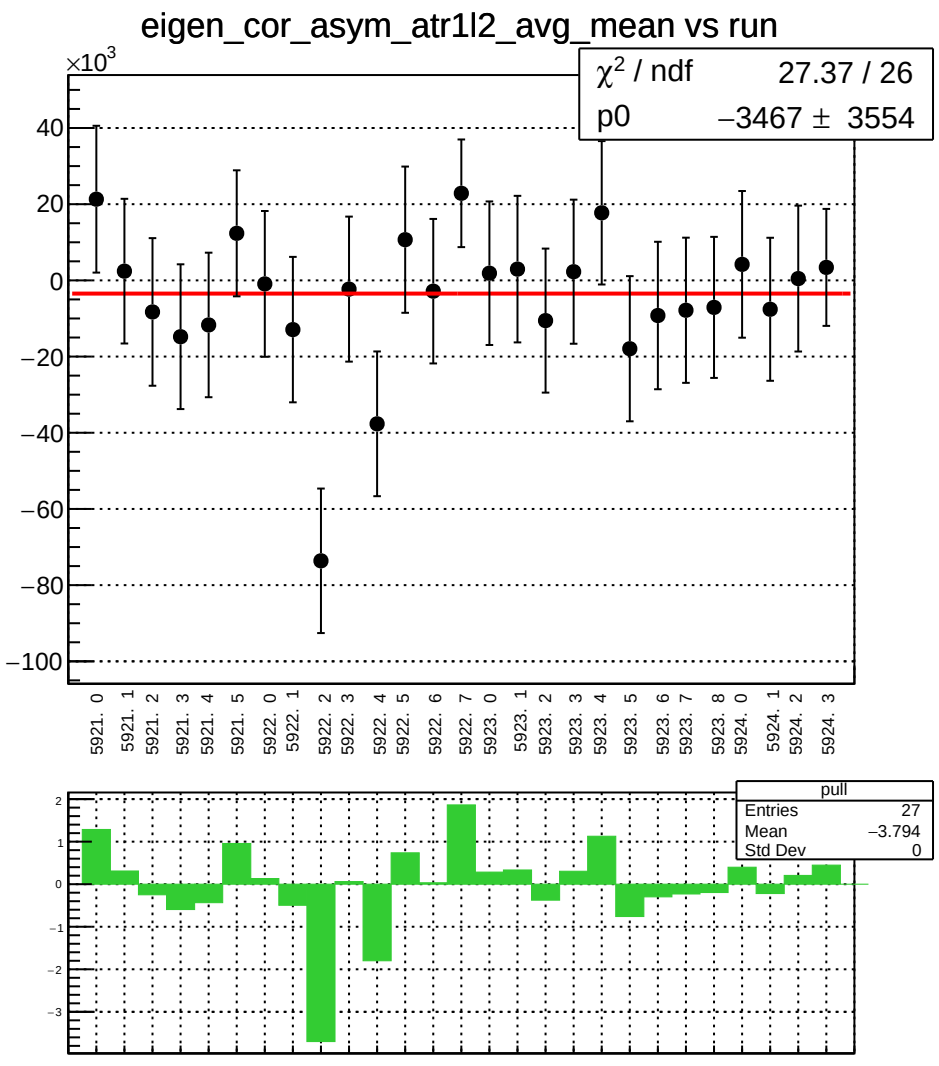

pull1D
Entries 27
Mean −0.03209
Std Dev 1.006
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

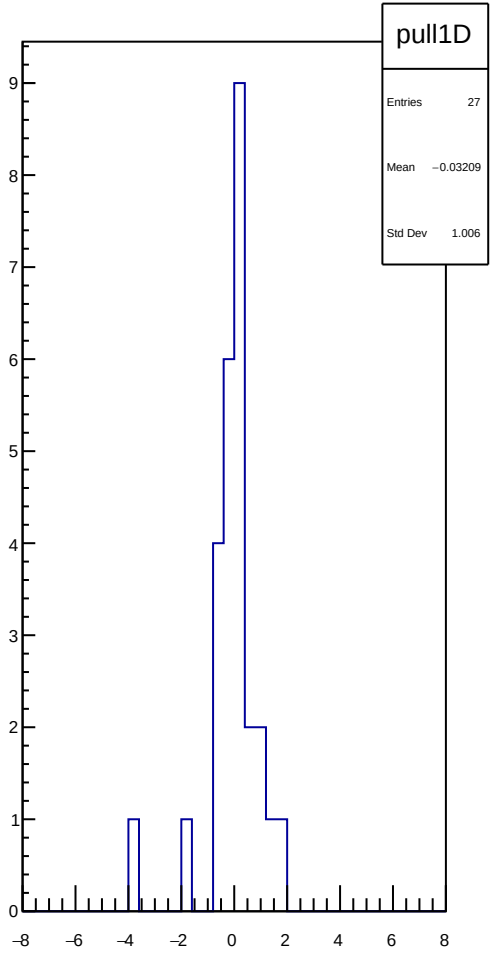

cor_asym_atr1l2_avg_rms vs run
χ² / ndf 38.02 / 26
p0 1807 ± 2.513
1860
1840
1820
1800
1780
1760
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

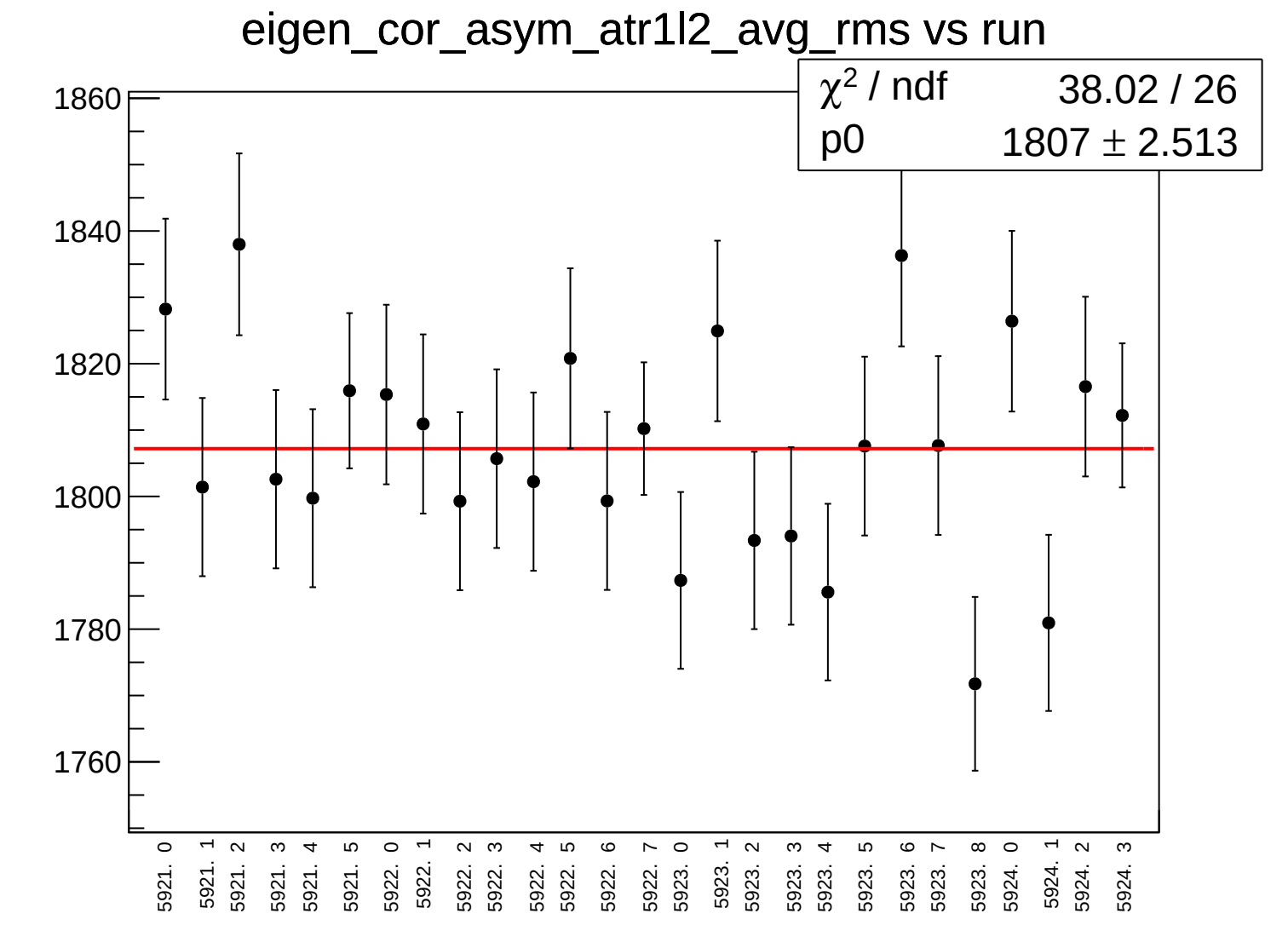

asym_atr1l2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 26.76 / 26
p0 4080 ± 5623
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −75.89
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

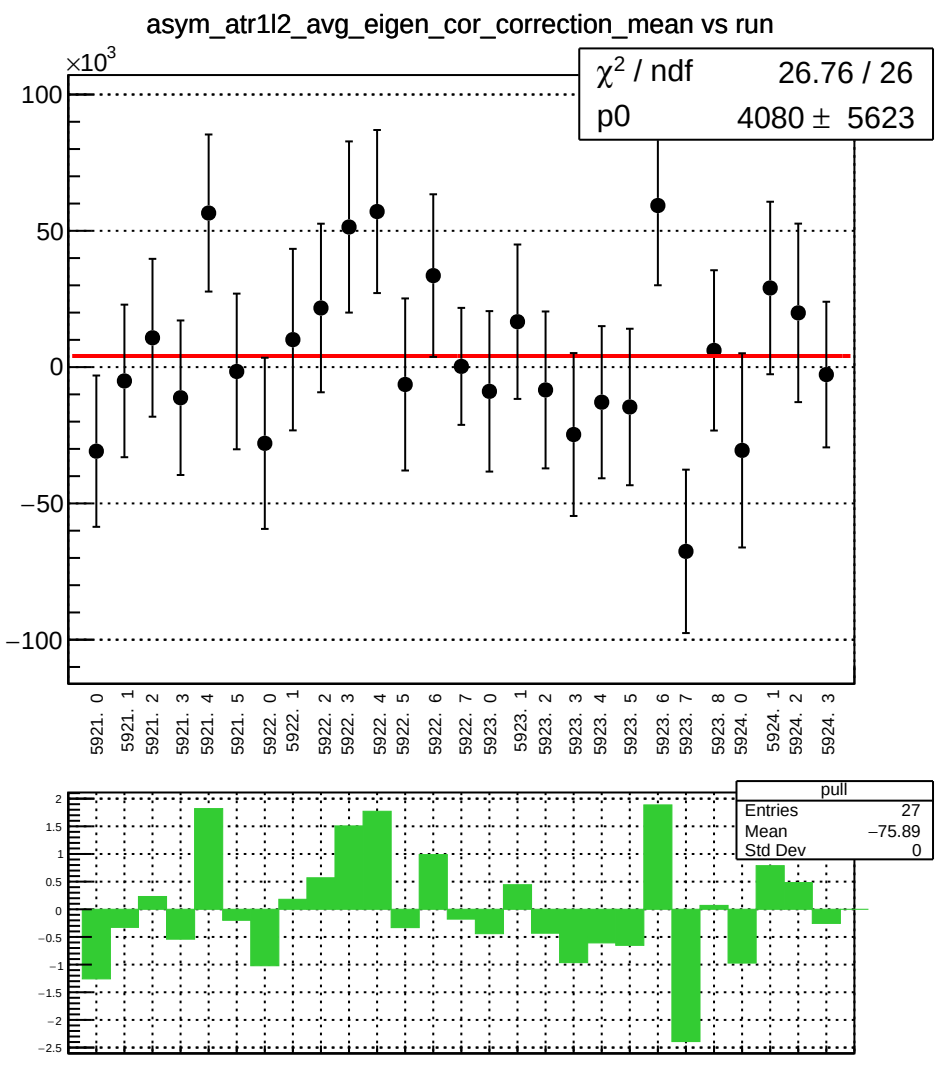

pull1D
Entries 27
Mean 0.006472
Std Dev 0.9956
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

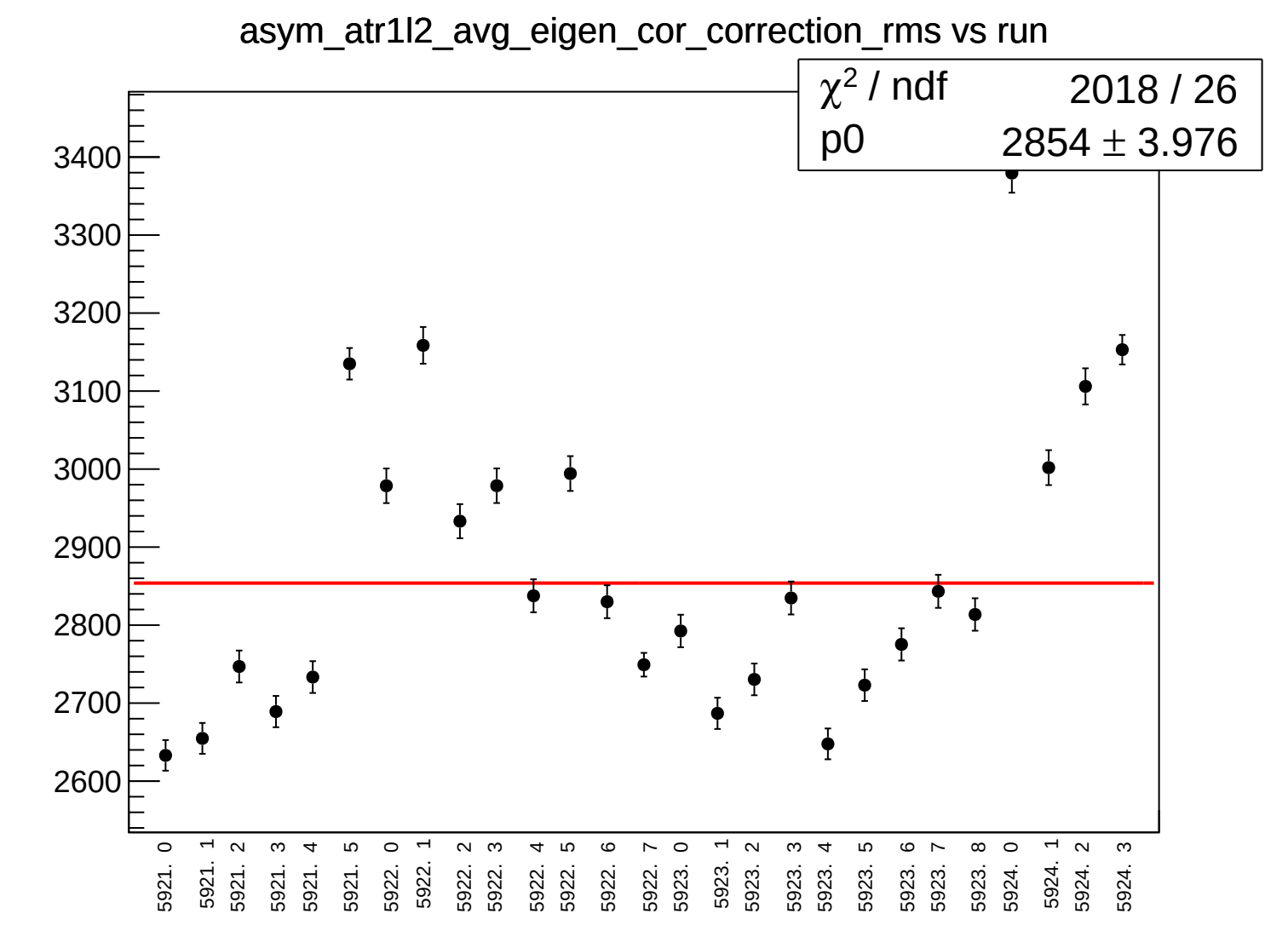

asym_atr1l2_avg_cor_correction_rms vs run
χ² / ndf 2018 / 26
p0 2854 ± 3.976
3400
3300
3200
3100
3000
2900
2800
2700
2600
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

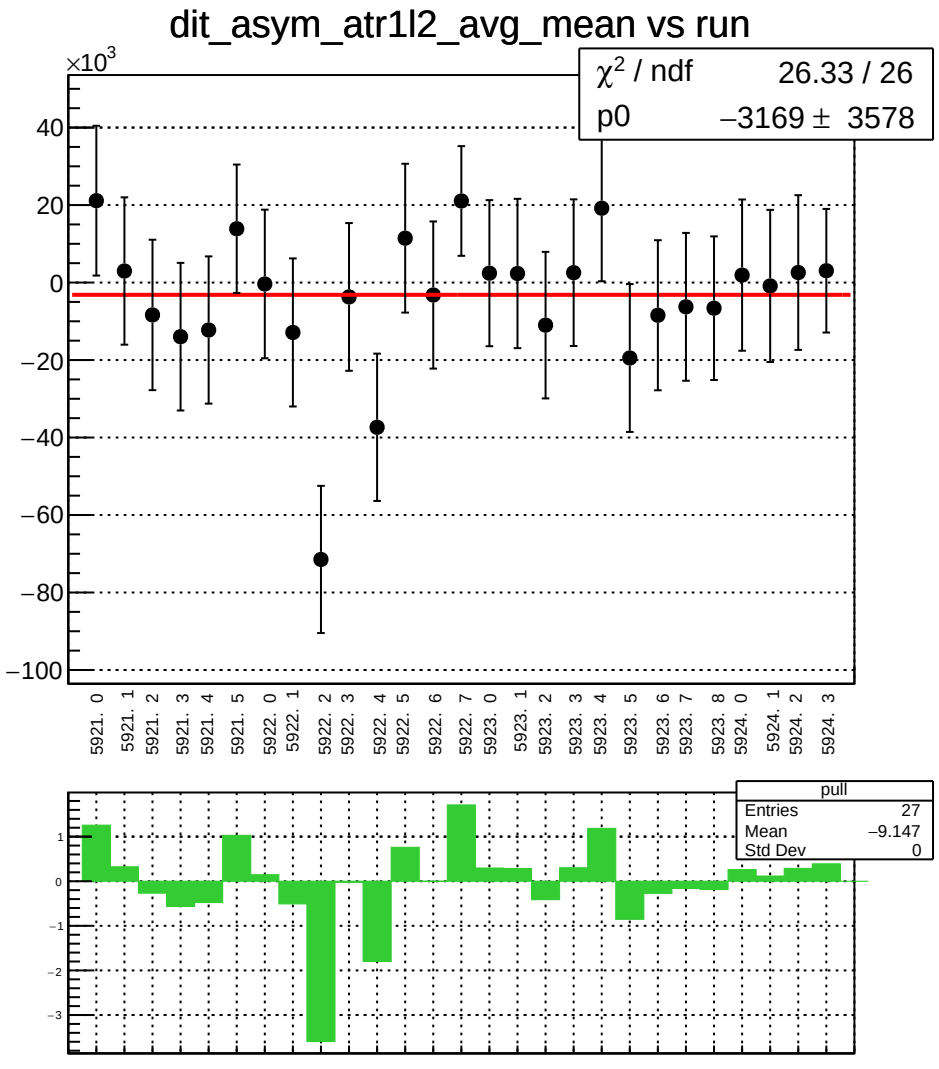

eigen_cor_asym_atr1l2_avg_mean vs run
×10^3
χ² / ndf 27.37 / 26
p0 −3467 ± 3554
40
20
0
−20
−40
−60
−80
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −3.794
Std Dev 0
2
1
0
−1
−2
−3

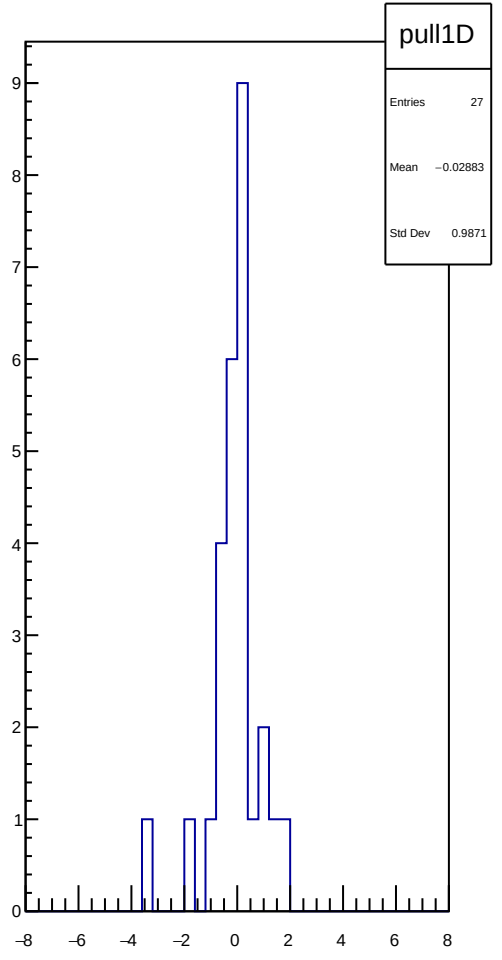

pull1D
Entries 27
Mean −0.03209
Std Dev 1.006
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

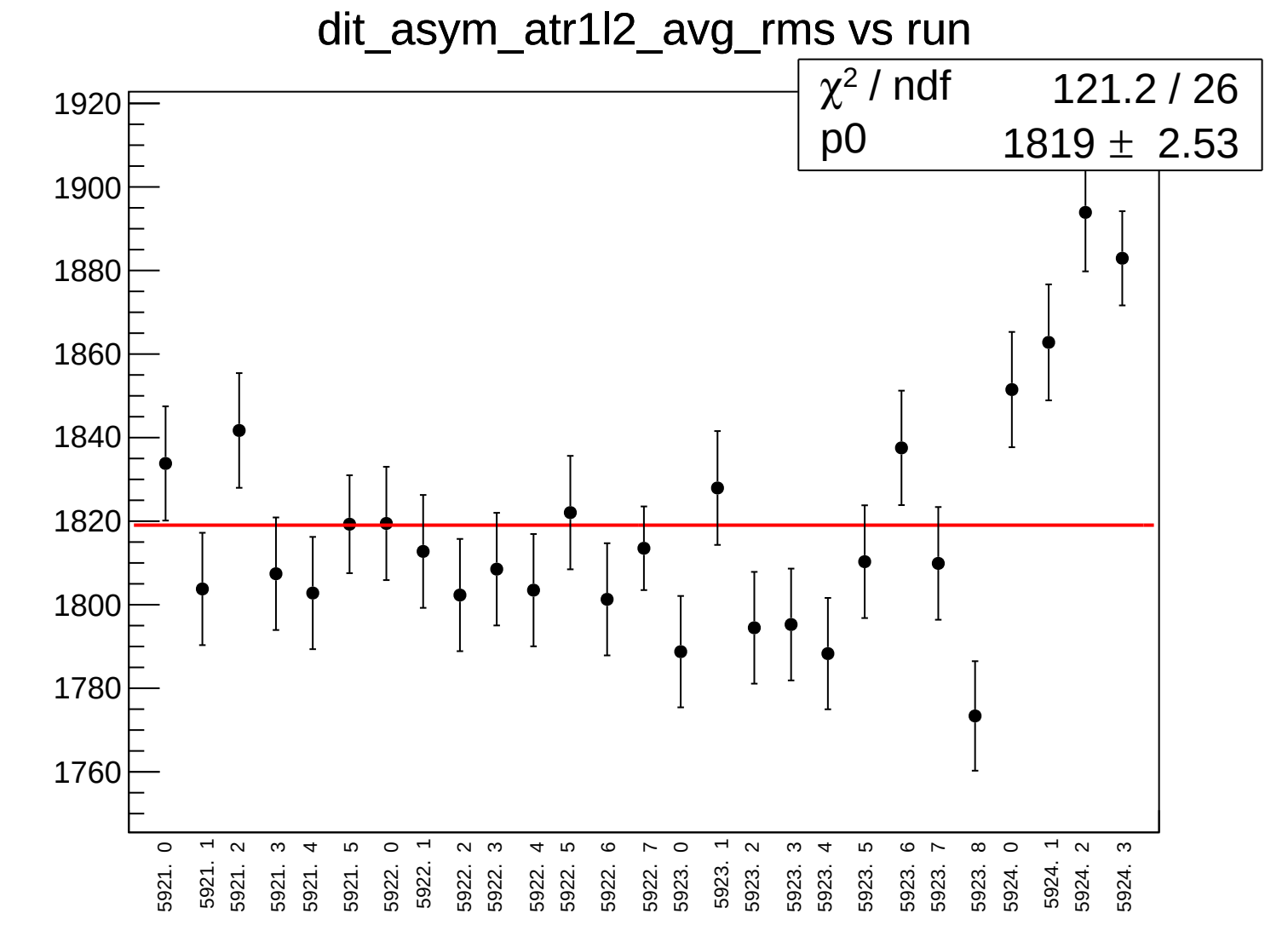

eigen_cor_asym_atr1l2_avg_rms vs run
χ² / ndf 38.02 / 26
p0 1807 ± 2.513
1860
1840
1820
1800
1780
1760
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

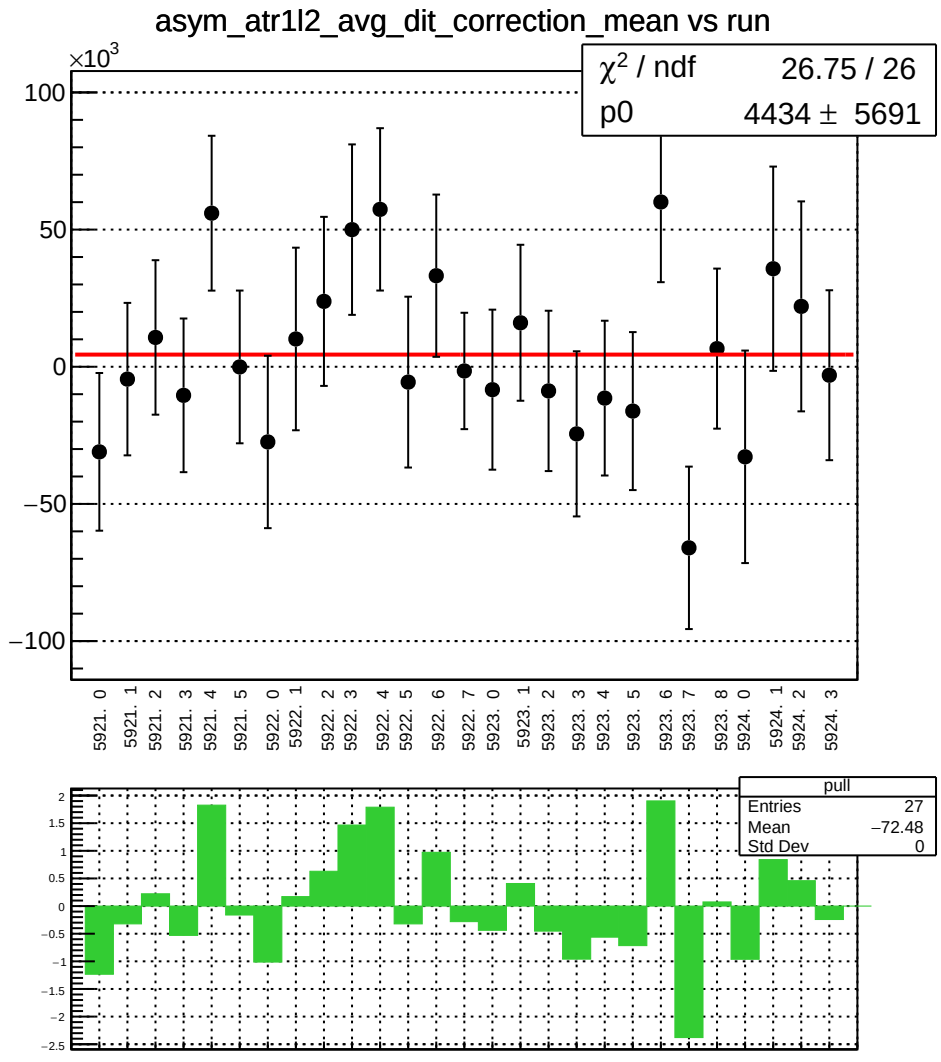

asym_atr1l2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 26.76 / 26
p0 4080 ± 5623
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −75.89
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean 0.006472
Std Dev 0.9956
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

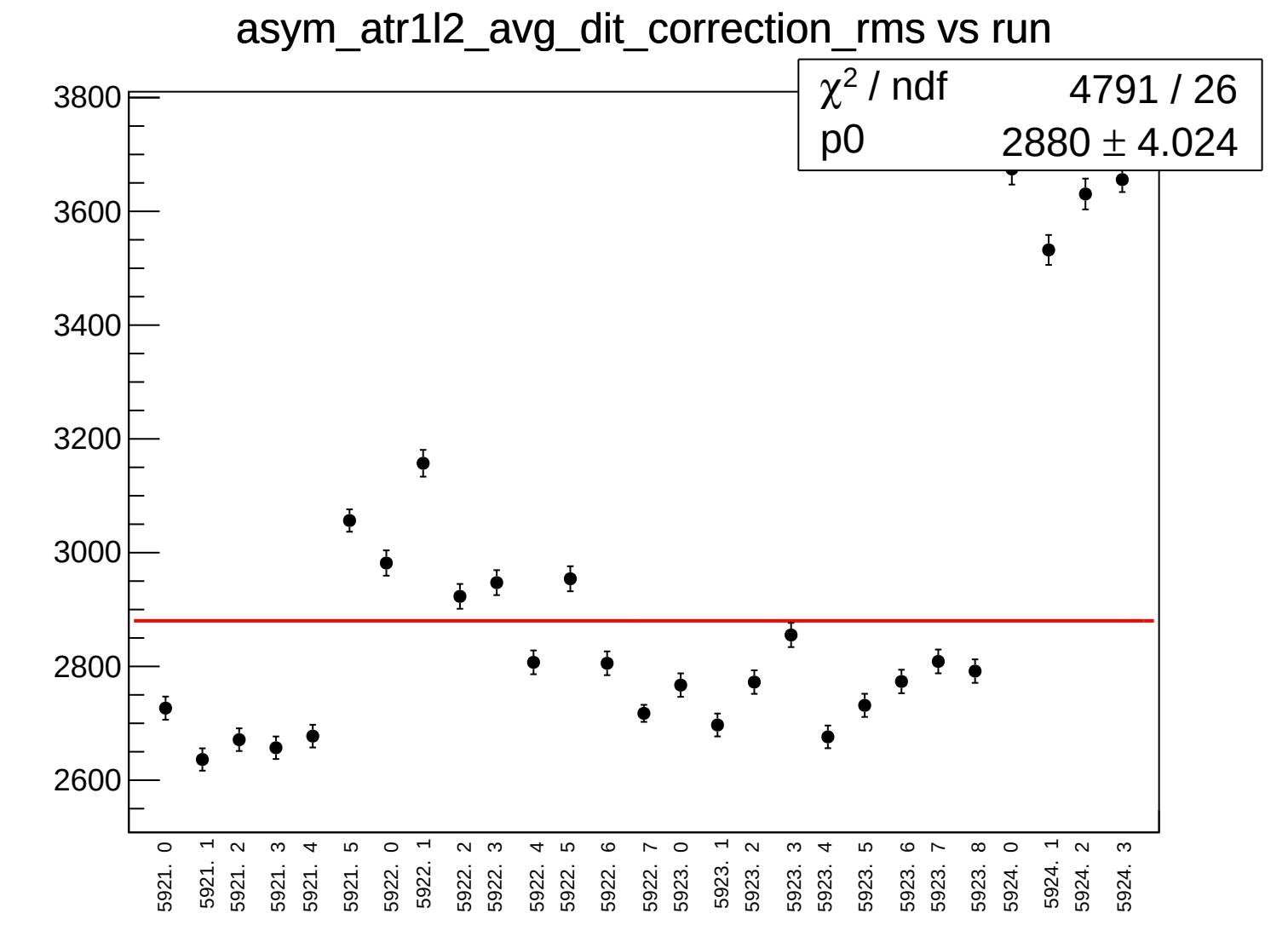

asym_atr1l2_avg_eigen_cor_correction_rms vs run
χ² / ndf 2018 / 26
p0 2854 ± 3.976
3400
3300
3200
3100
3000
2900
2800
2700
2600
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

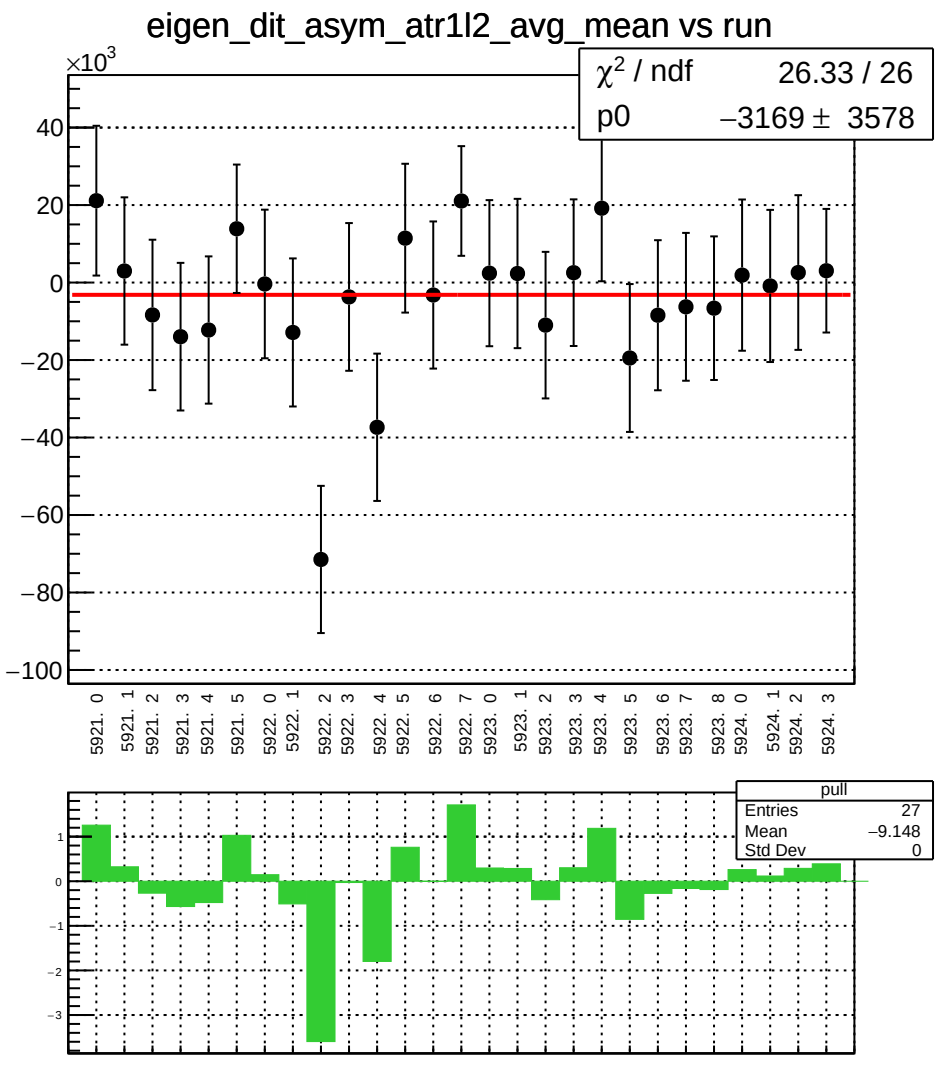

dit_asym_atr1l2_avg_mean vs run
×10^3
χ^2 / ndf 26.33 / 26
p0 −3169 ± 3578
40
20
0
−20
−40
−60
−80
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −9.147
Std Dev 0
1
0
−1
−2
−3

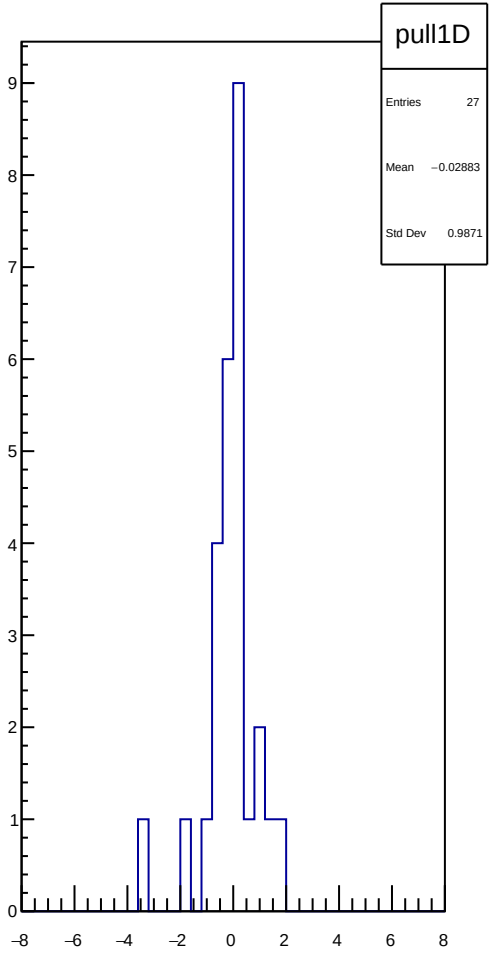

pull1D
Entries 27
Mean −0.02883
Std Dev 0.9871
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

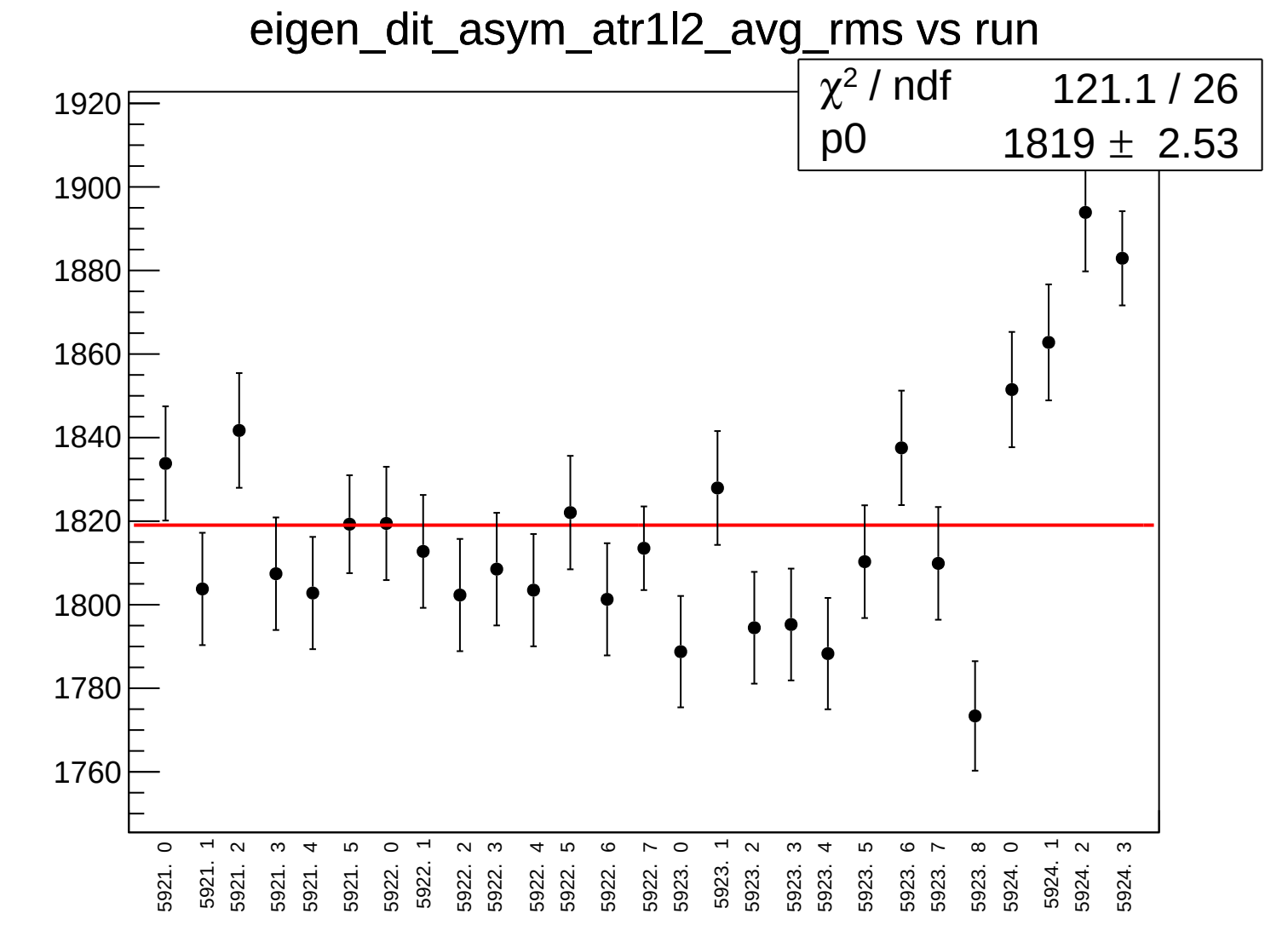

dit_asym_atr1l2_avg_rms vs run
χ² / ndf 121.2 / 26
p0 1819 ± 2.53
1920
1900
1880
1860
1840
1820
1800
1780
1760
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

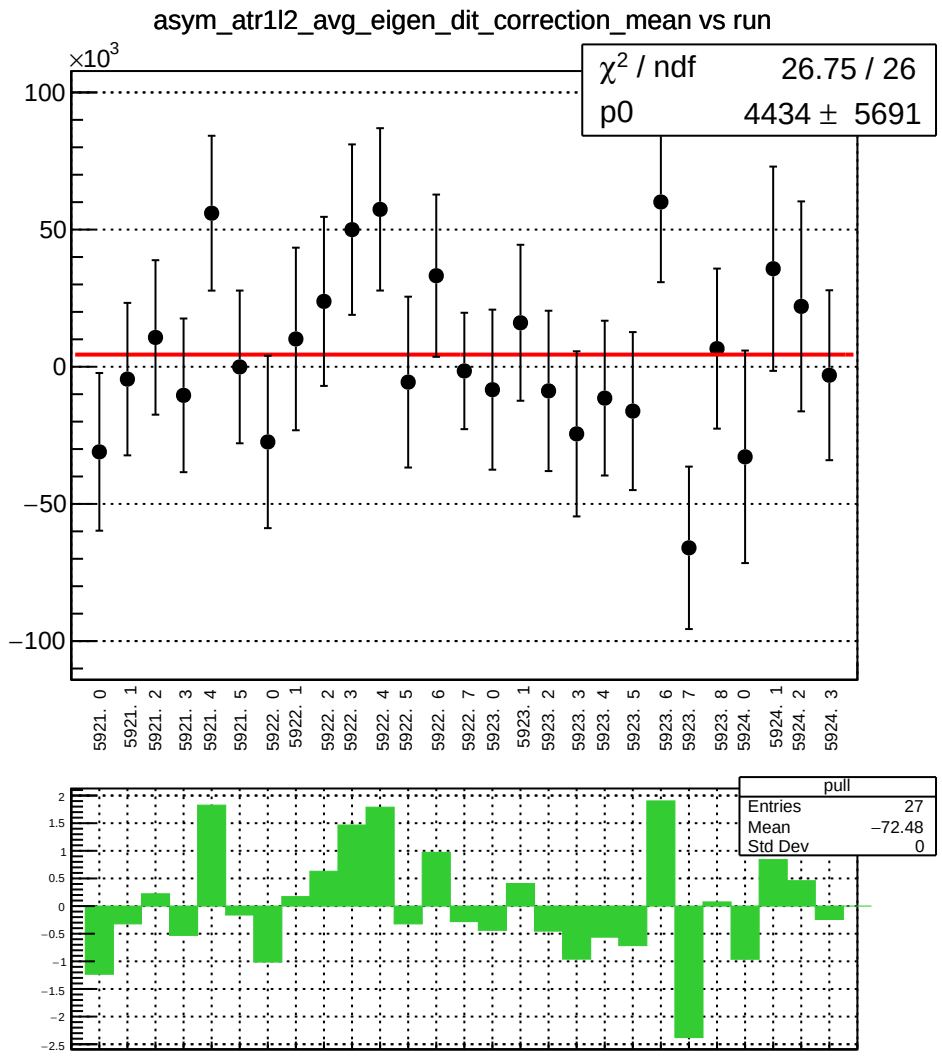

asym_atr1l2_avg_dit_correction_mean vs run
×10^3
χ^2 / ndf 26.75 / 26
p0 4434 ± 5691
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −72.48
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean 0.0069
Std Dev 0.9953
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

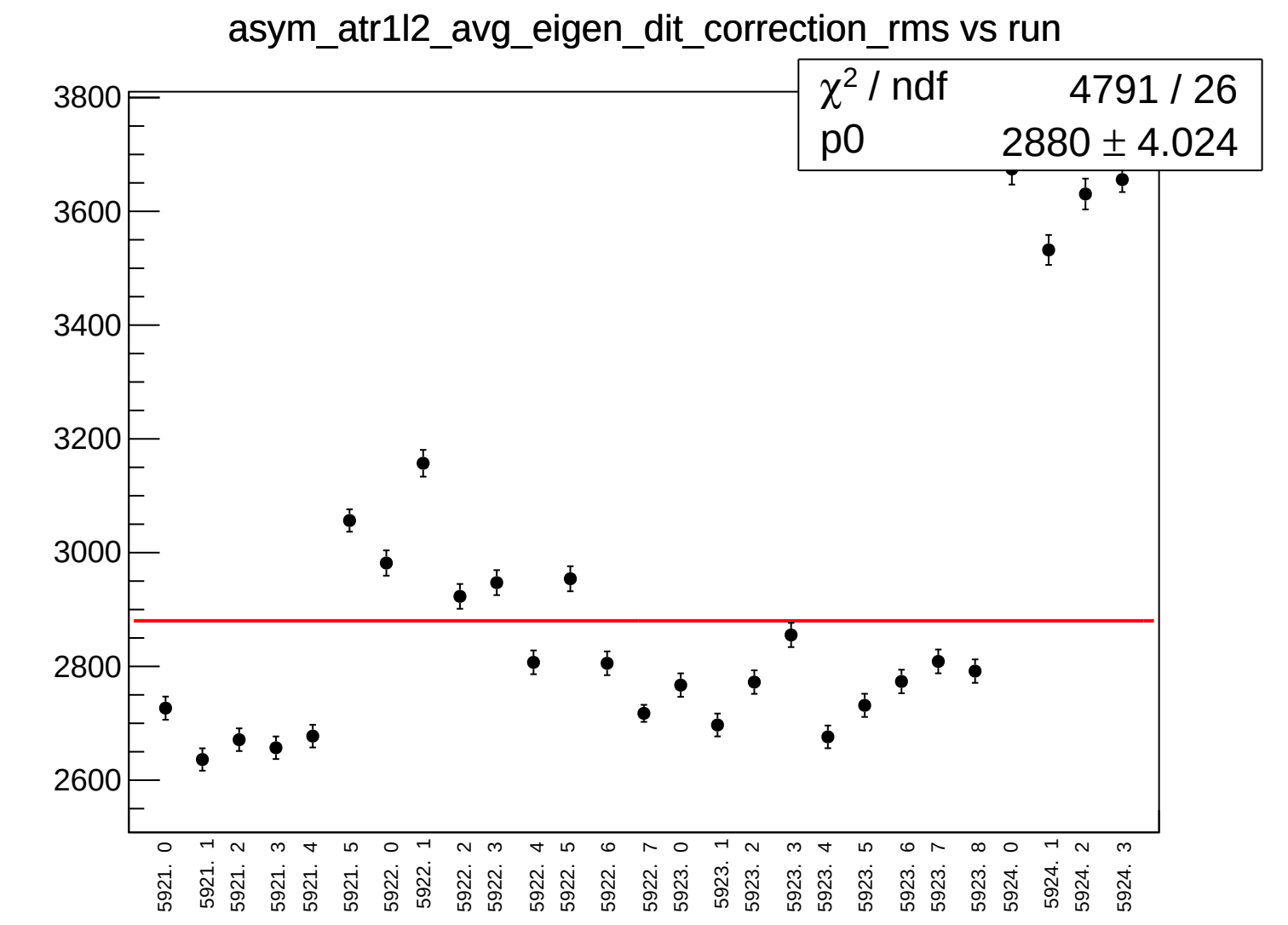

asym_atr1l2_avg_dit_correction_rms vs run
χ² / ndf 4791 / 26
p0 2880 ± 4.024
3800
3600
3400
3200
3000
2800
2600
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

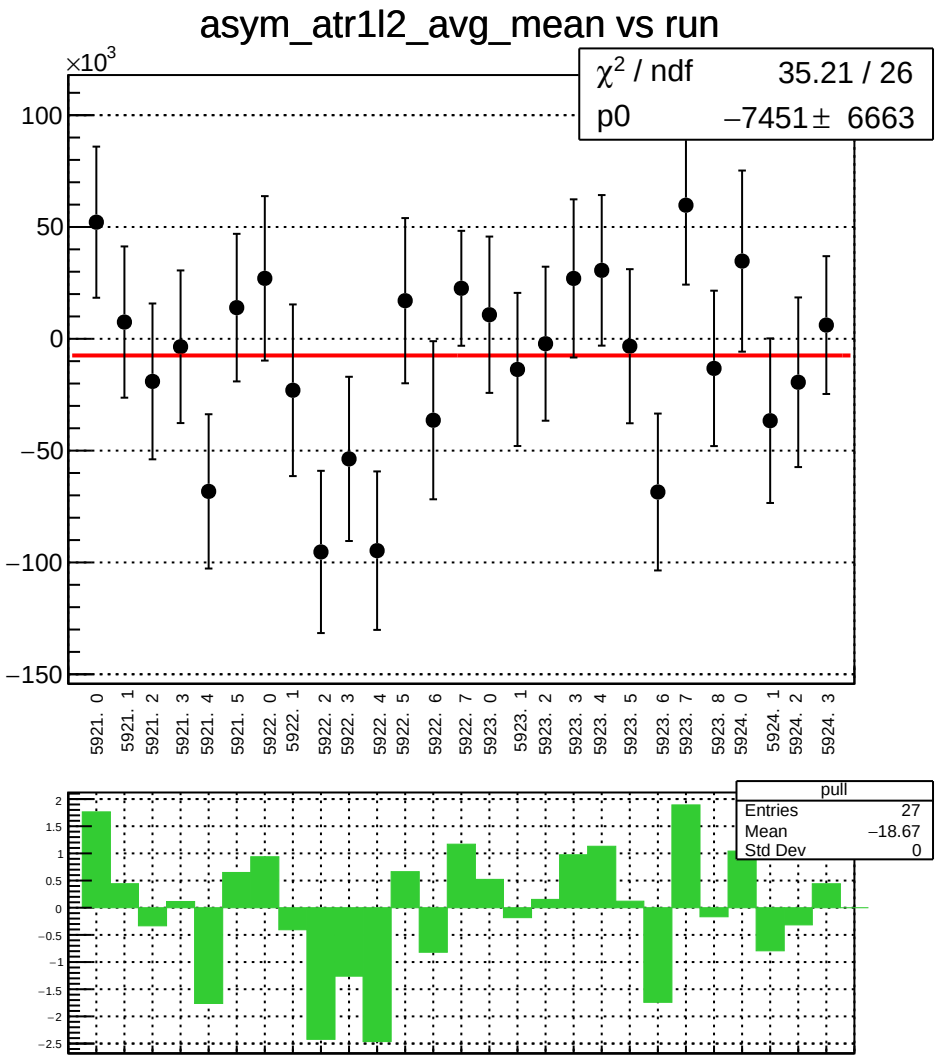

eigen_dit_asym_atr1l2_avg_mean vs run
×10^3
χ² / ndf 26.33 / 26
p0 −3169 ± 3578
40
20
0
−20
−40
−60
−80
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −9.148
Std Dev 0
1
0
−1
−2
−3

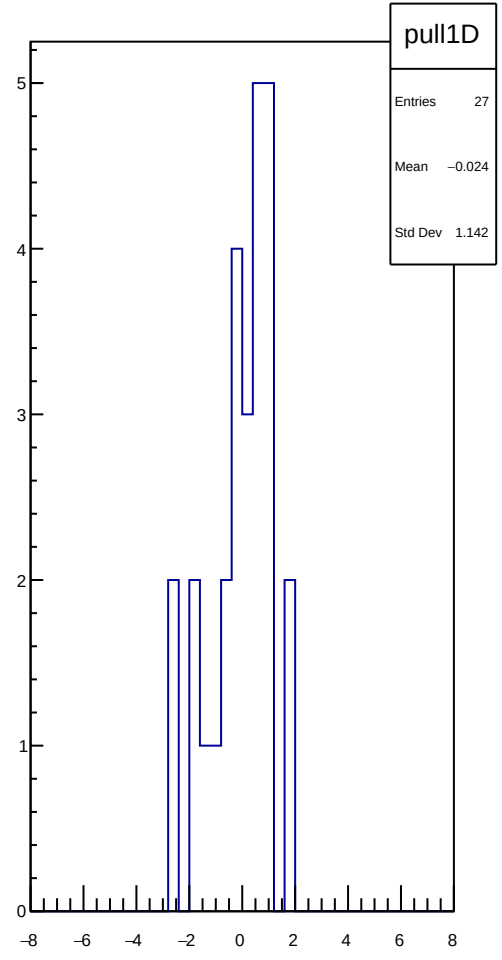

pull1D
Entries 27
Mean −0.02883
Std Dev 0.9871
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

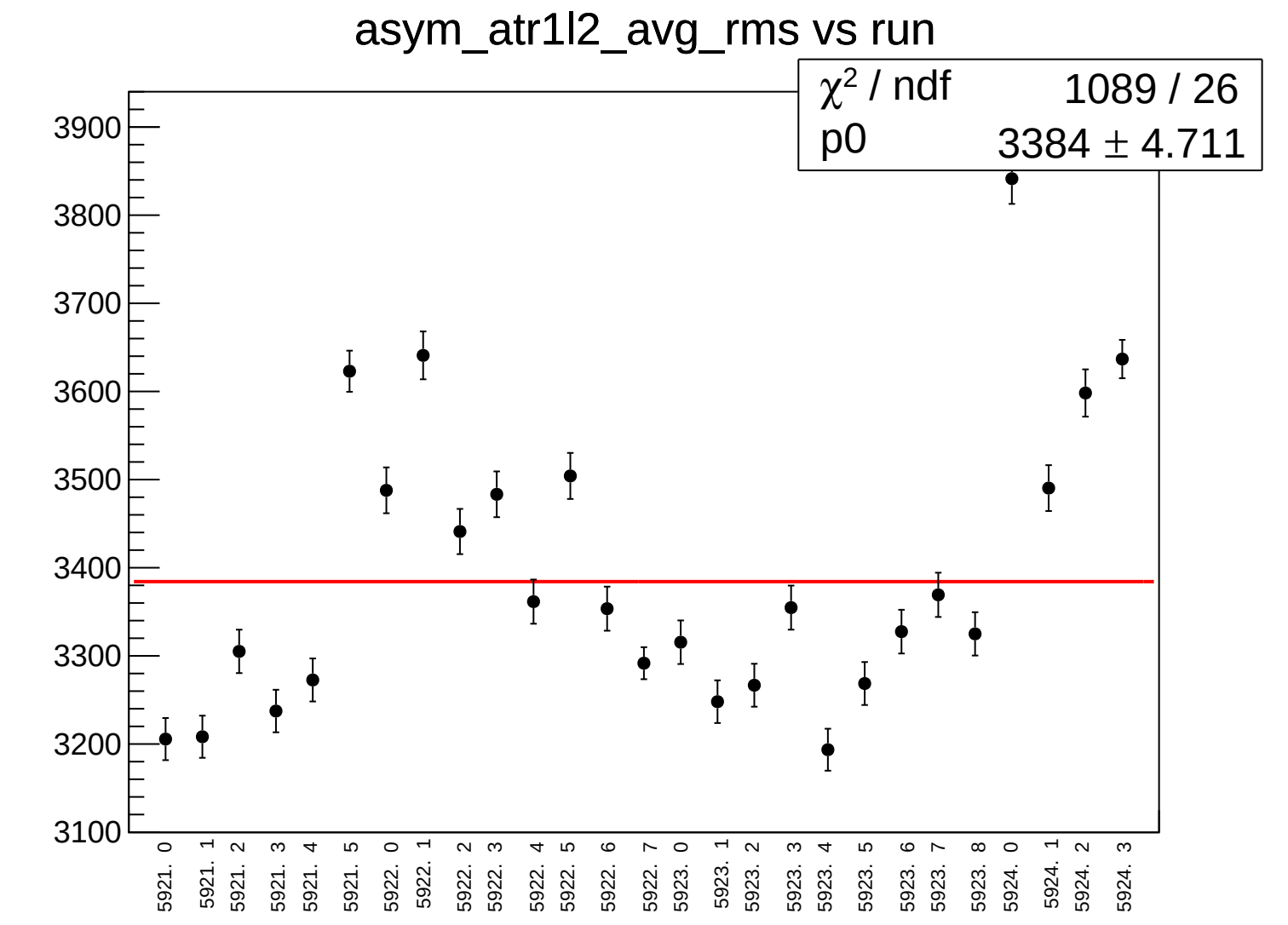

eigen_dit_asym_atr1l2_avg_rms vs run
χ² / ndf 121.1 / 26
p0 1819 ± 2.53
1920
1900
1880
1860
1840
1820
1800
1780
1760
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

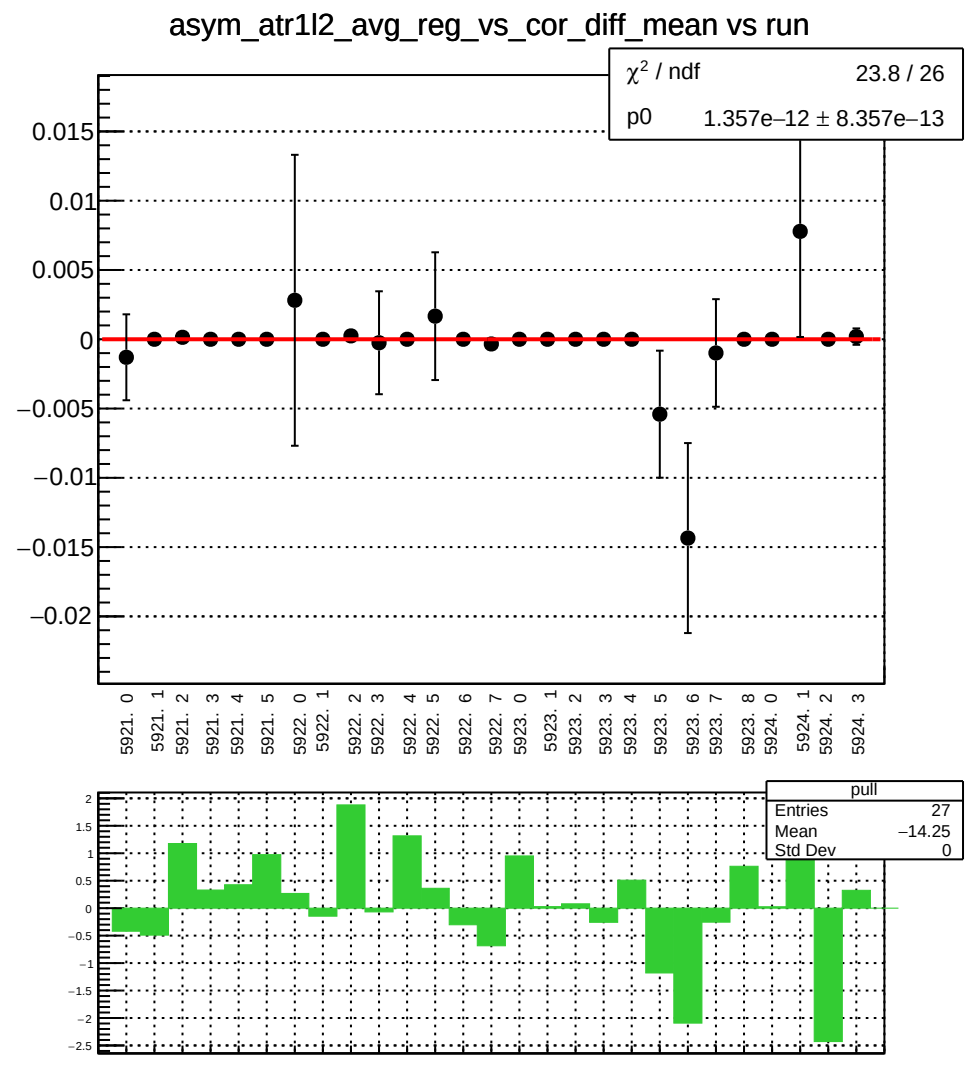

asym_atr1l2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 26.75 / 26
p0 4434 ± 5691
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −72.48
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean 0.0069
Std Dev 0.9953
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

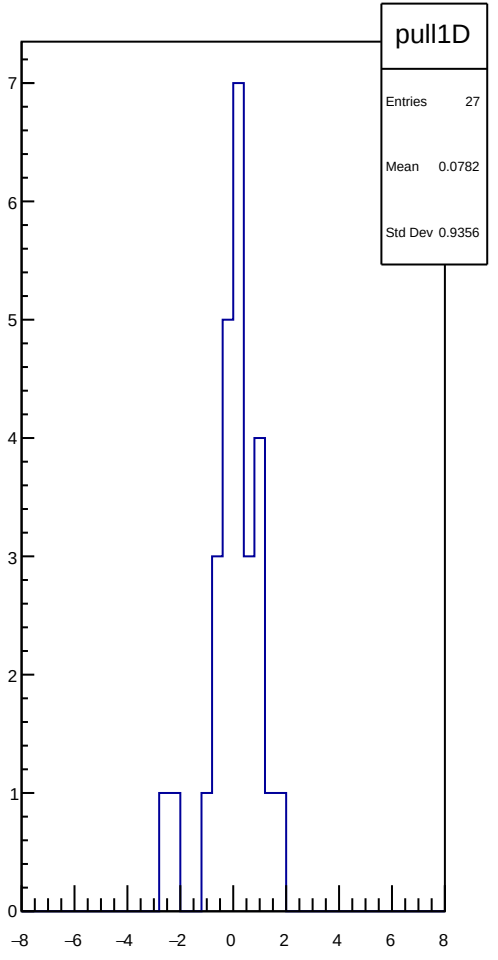

asym_atr1l2_avg_eigen_dit_correction_rms vs run
χ² / ndf 4791 / 26
p0 2880 ± 4.024
3800
3600
3400
3200
3000
2800
2600
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

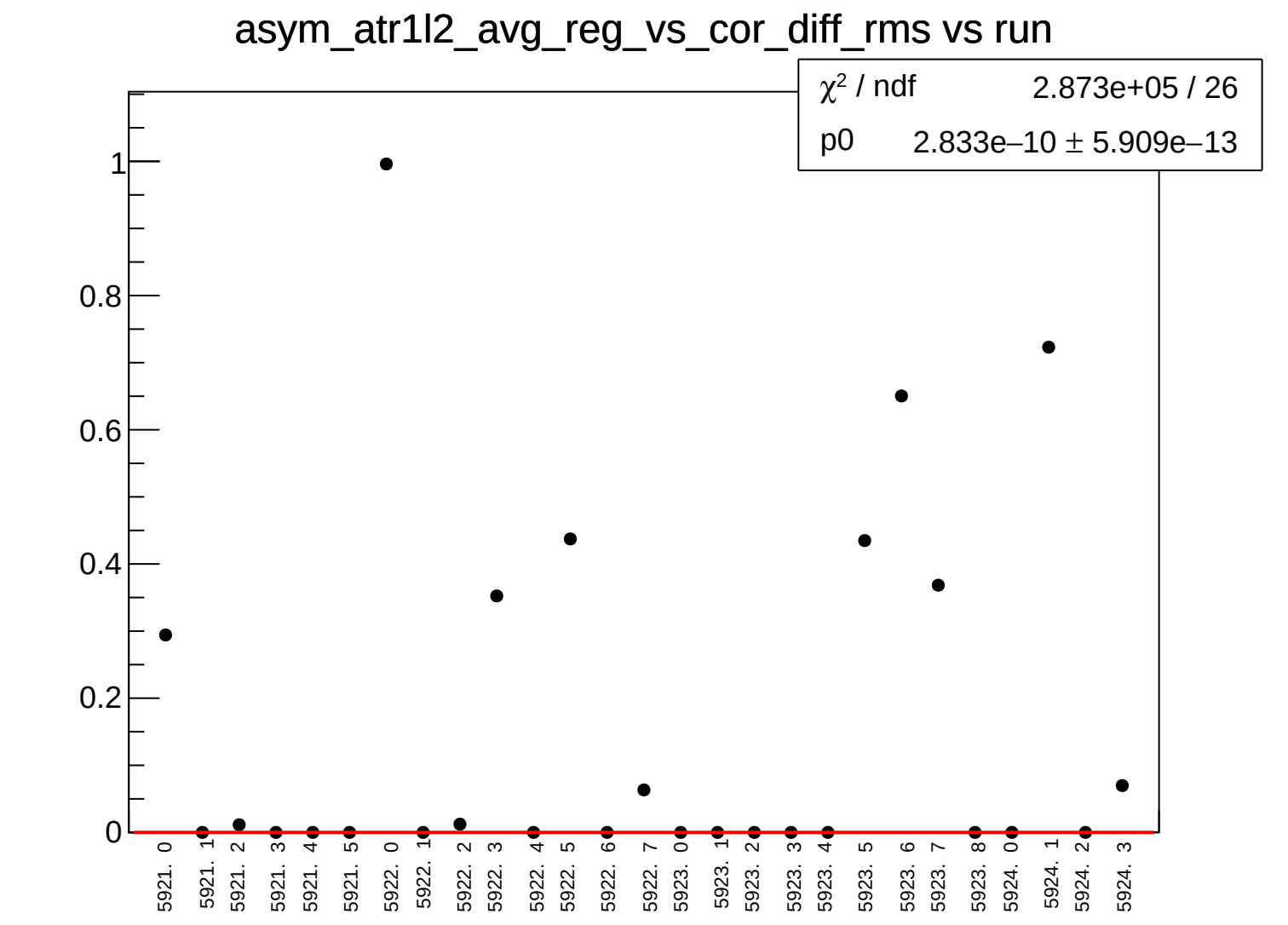

asym_atr1l2_avg_mean vs run
×10^3
χ^2 / ndf 35.21 / 26
p0 −7451 ± 6663
100
50
0
−50
−100
−150
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −18.67
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

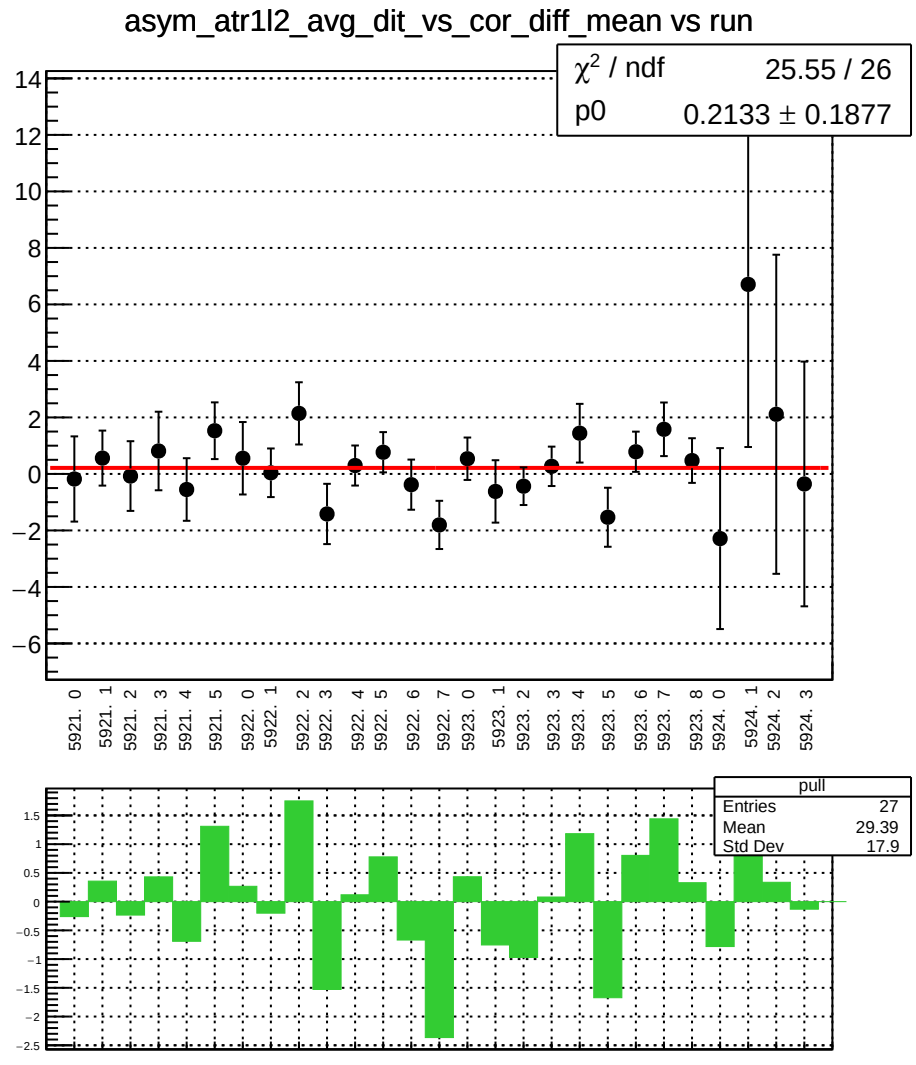

pull1D
Entries 27
Mean −0.024
Std Dev 1.142
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

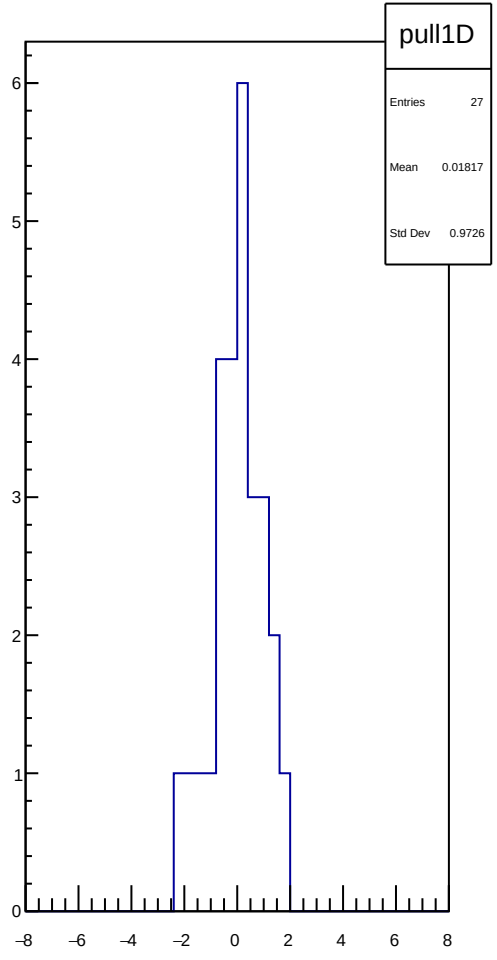

asym_atr1l2_avg_rms vs run
χ² / ndf 1089 / 26
p0 3384 ± 4.711
3900
3800
3700
3600
3500
3400
3300
3200
3100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

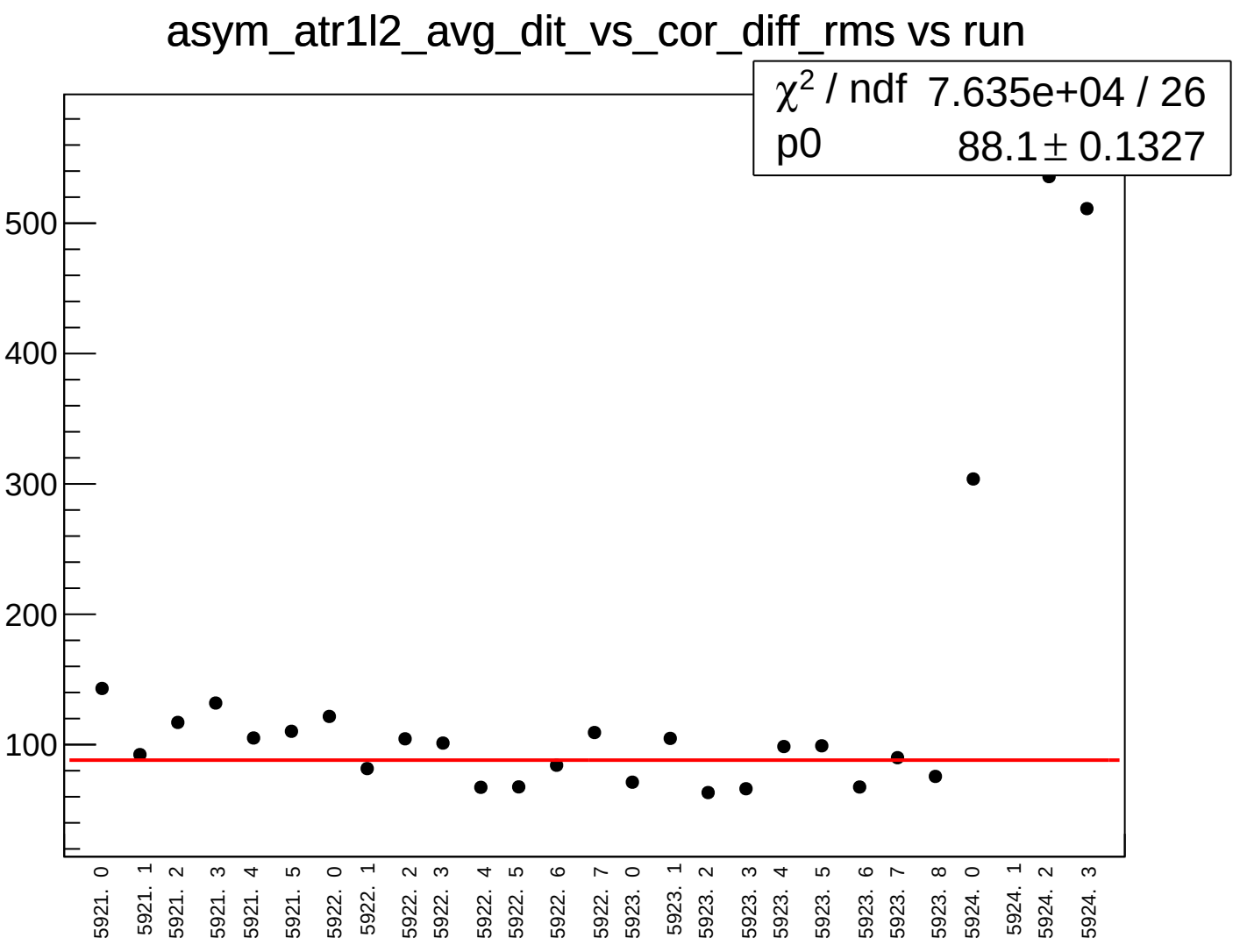

asym_atr1l2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 23.8 / 26
p0 1.357e−12 ± 8.357e−13
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −14.25
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

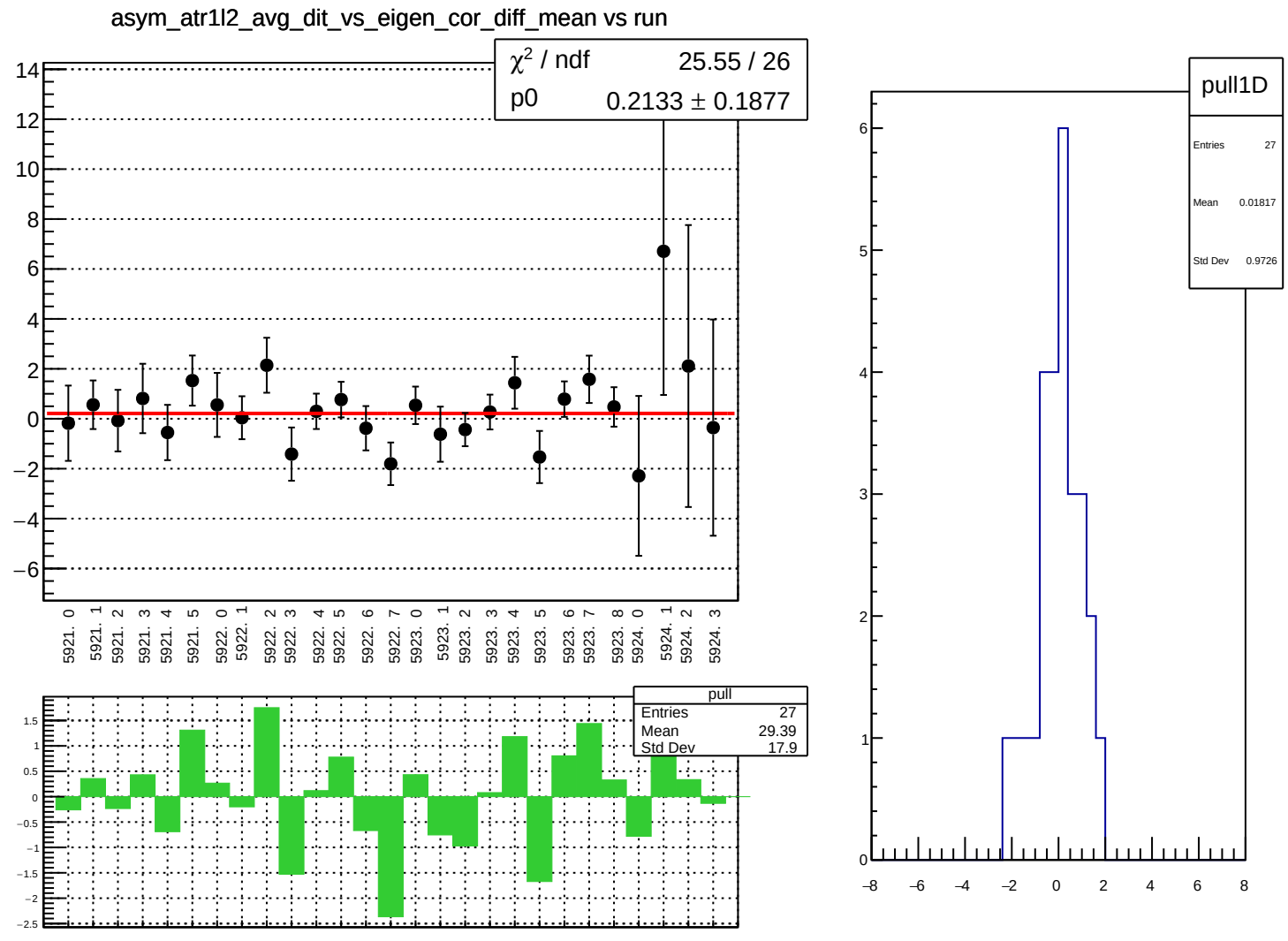

pull1D
Entries 27
Mean 0.0782
Std Dev 0.9356
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

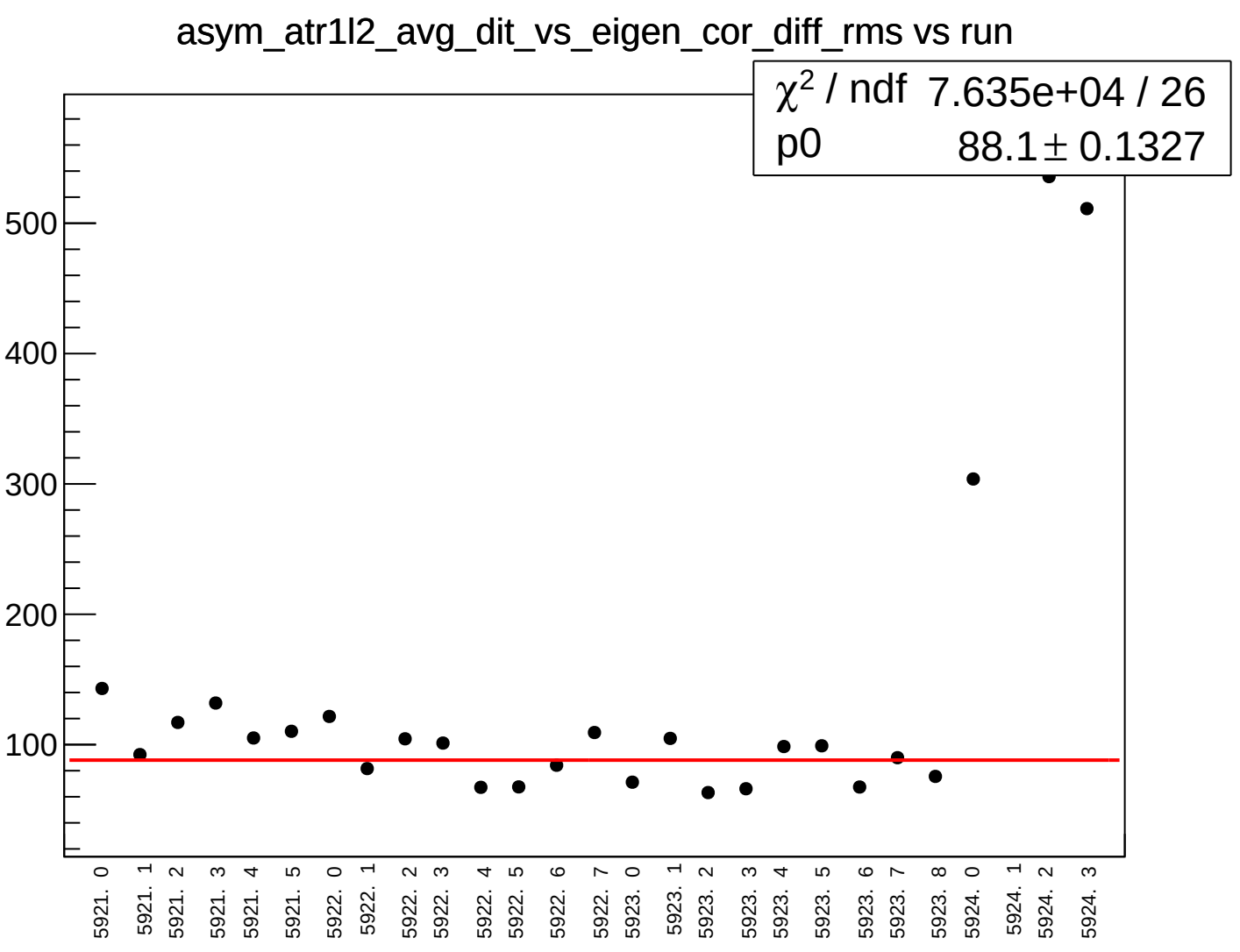

asym_atr1l2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 2.873e+05 / 26
p0 2.833e−10 ± 5.909e−13
1
0.8
0.6
0.4
0.2
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

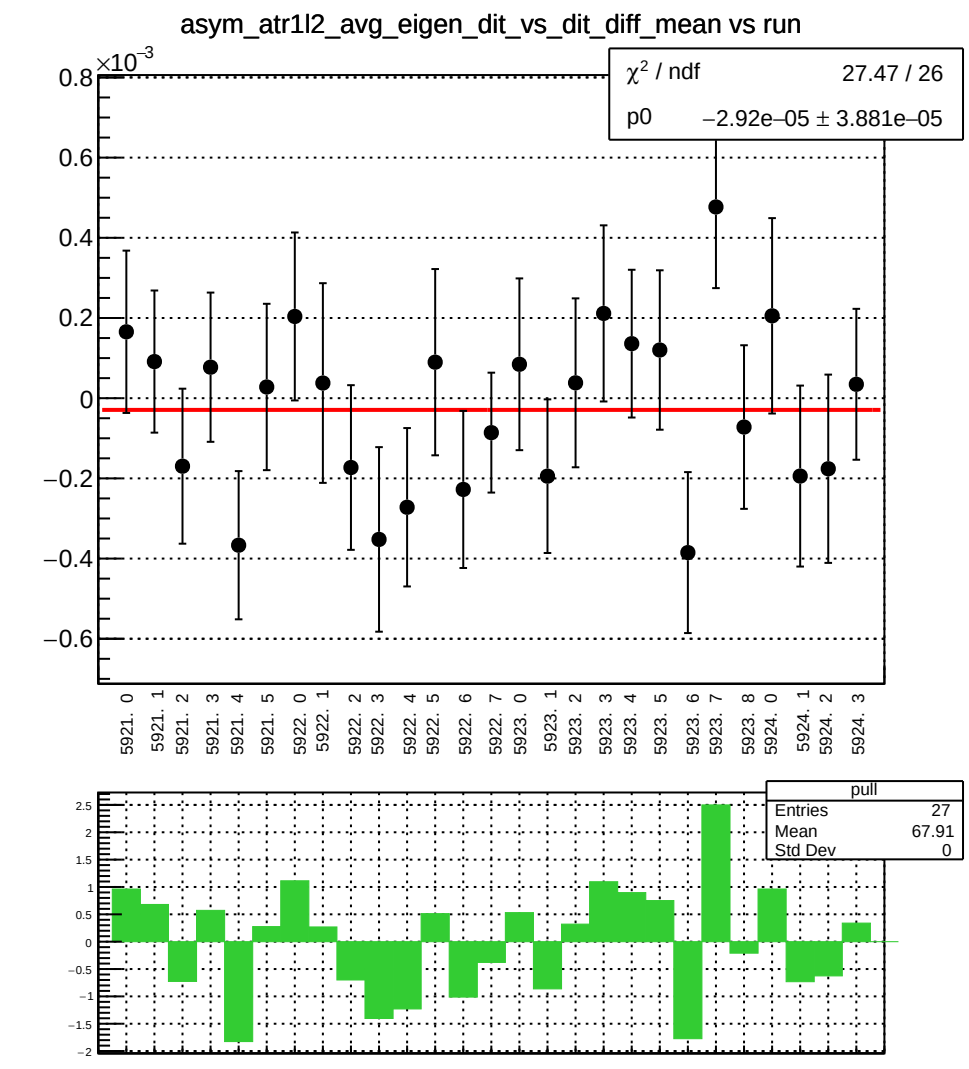

asym_atr1l2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 25.55 / 26
p0 0.2133 ± 0.1877
pull
Entries 27
Mean 29.39
Std Dev 17.9

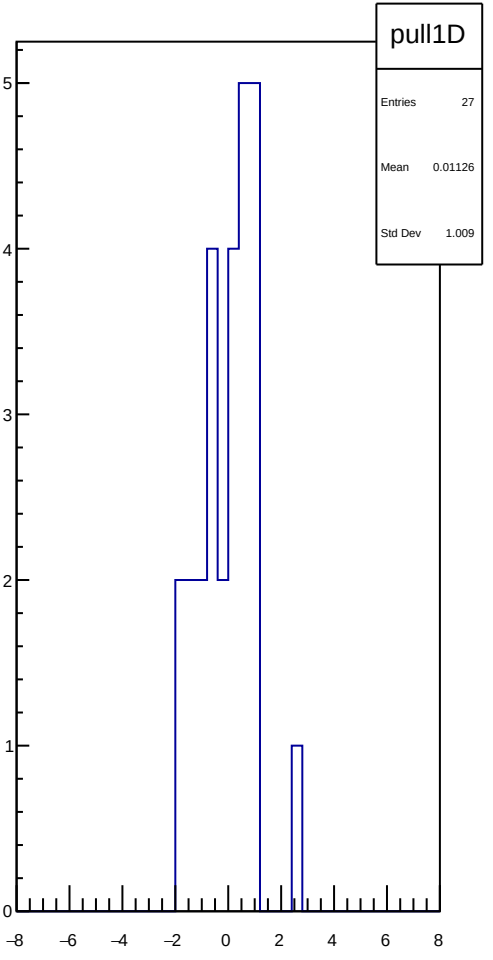

pull1D
Entries 27
Mean 0.01817
Std Dev 0.9726

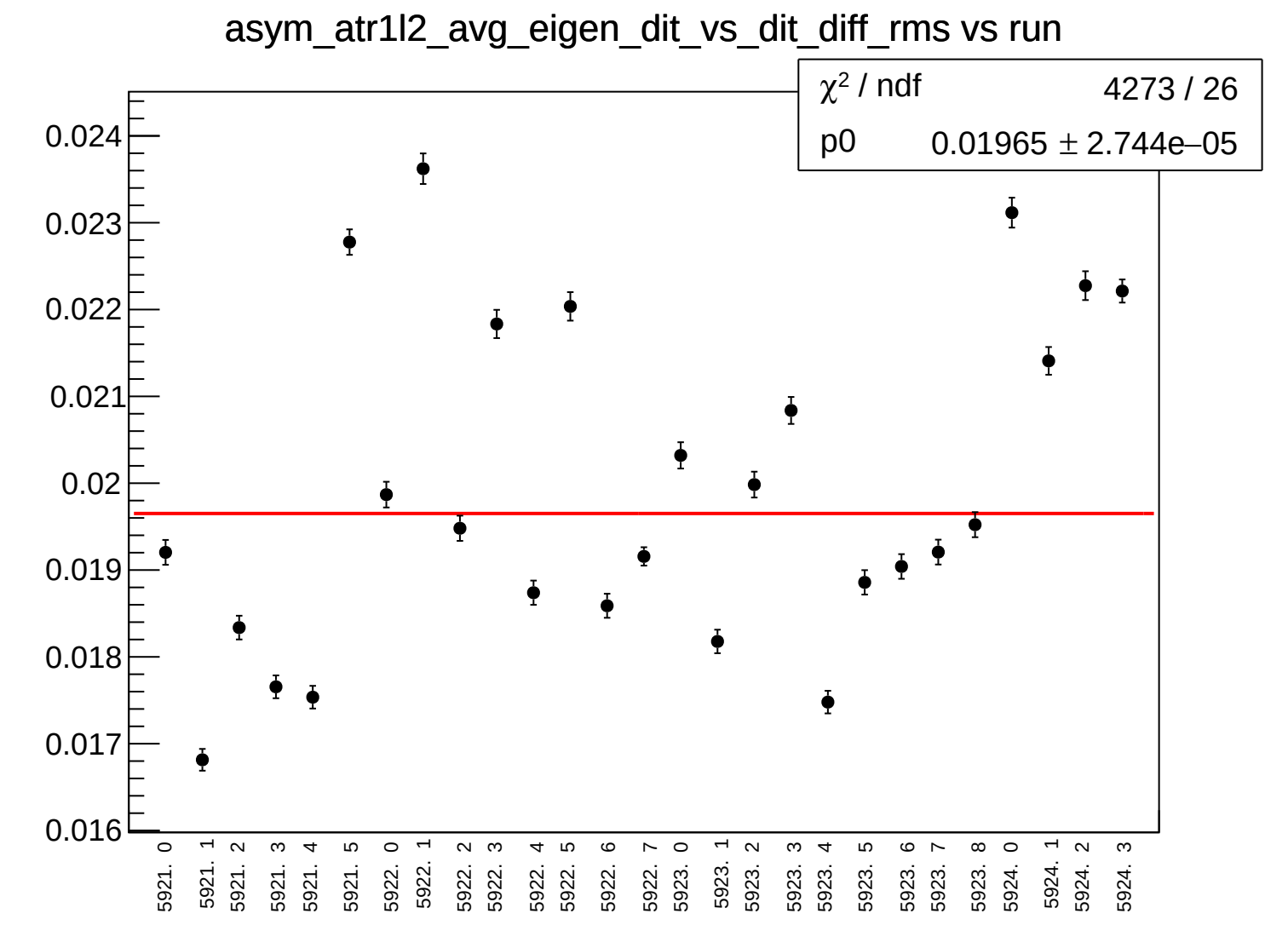

asym_atr1l2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 7.635e+04 / 26
p0 88.1 ± 0.1327
500
400
300
200
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

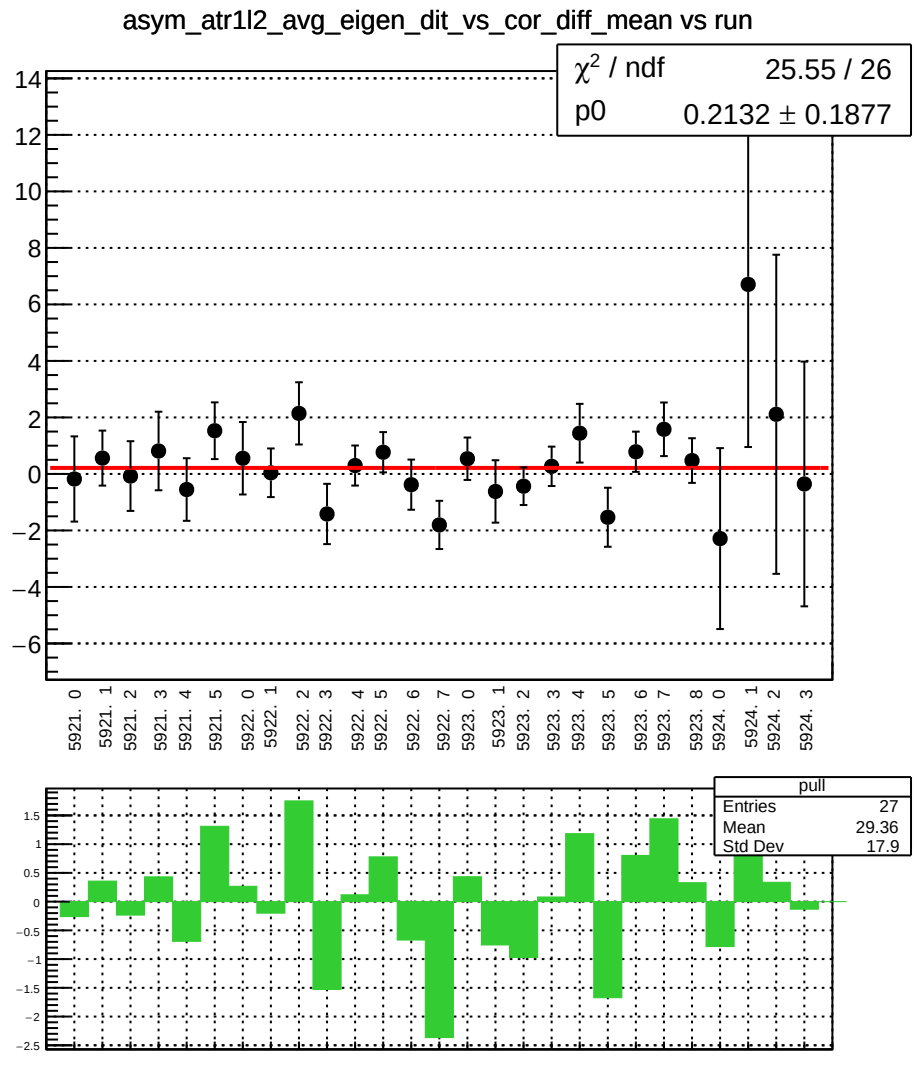

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 25.55 / 26
p0 0.2133 ± 0.1877
pull
Entries 27
Mean 29.39
Std Dev 17.9
pull1D
Entries 27
Mean 0.01817
Std Dev 0.9726

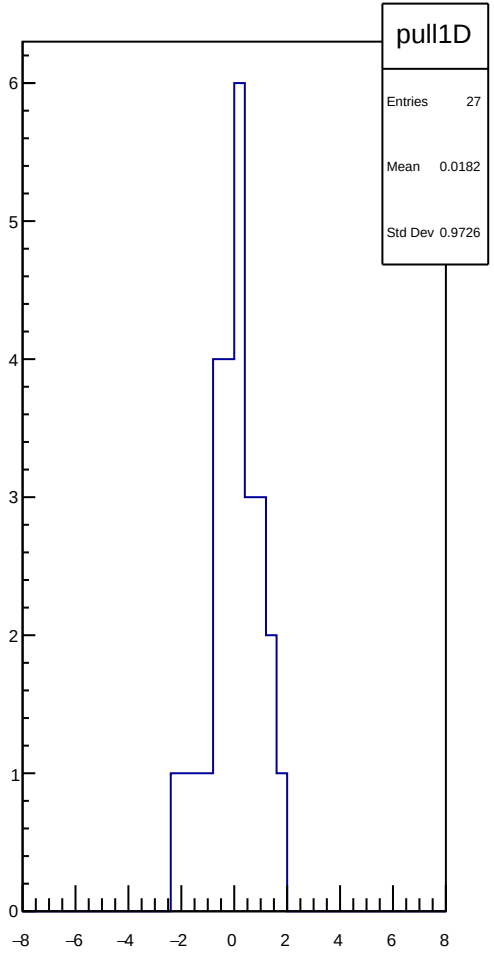

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.635e+04 / 26
p0 88.1 ± 0.1327
500
400
300
200
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

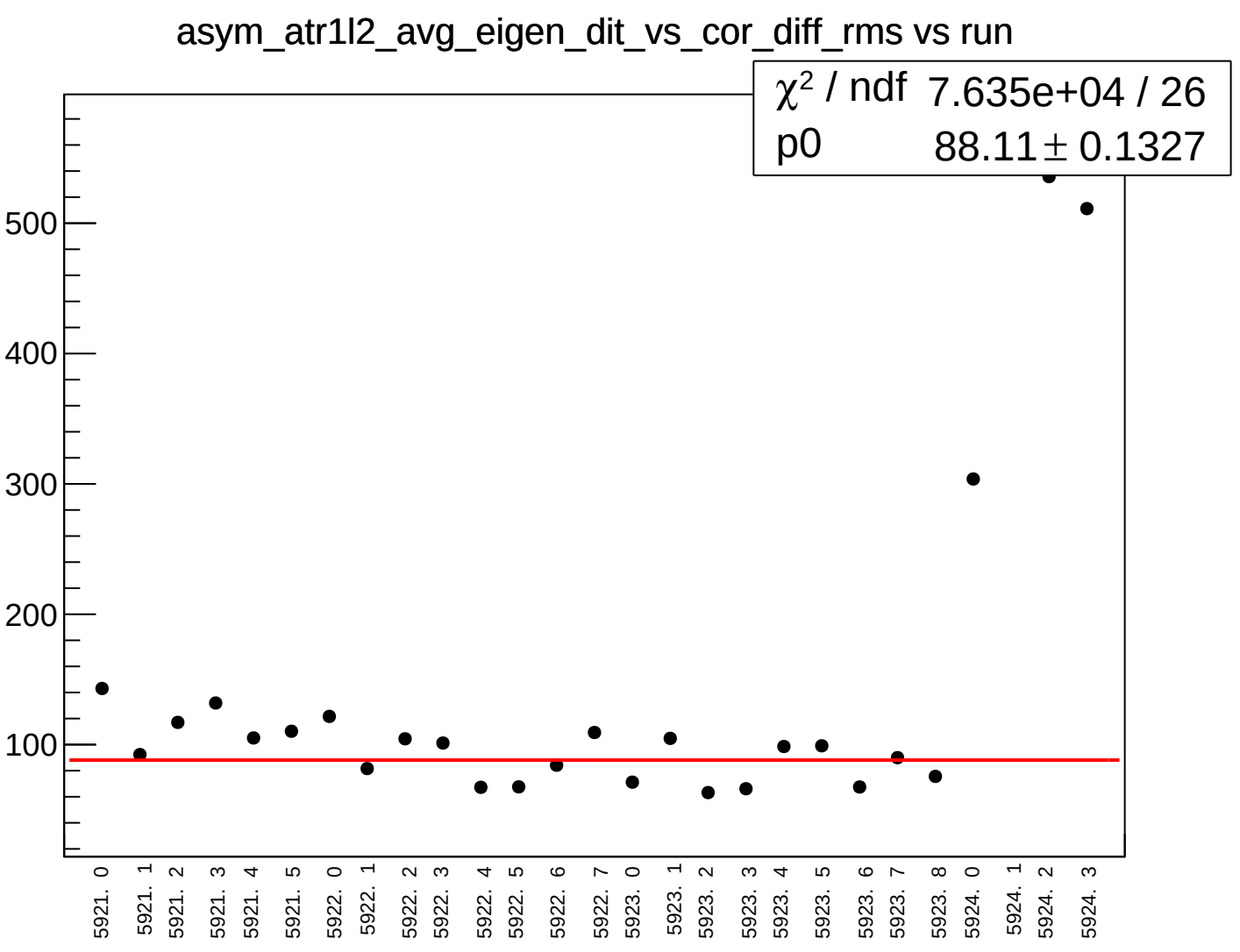

asym_atr1l2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 27.47 / 26
p0 −2.92e−05 ± 3.881e−05
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 67.91
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

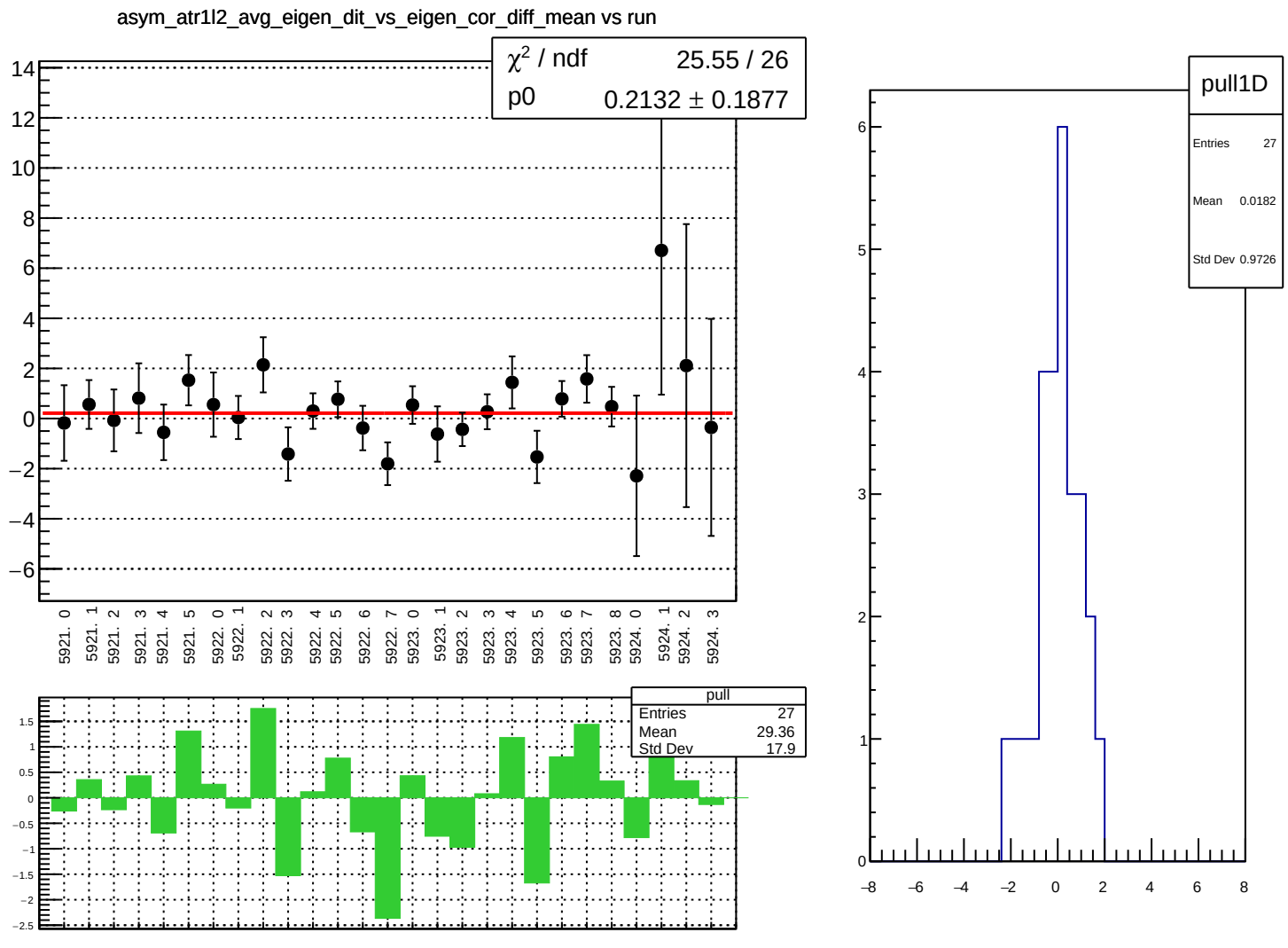

pull1D
Entries 27
Mean 0.01126
Std Dev 1.009
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

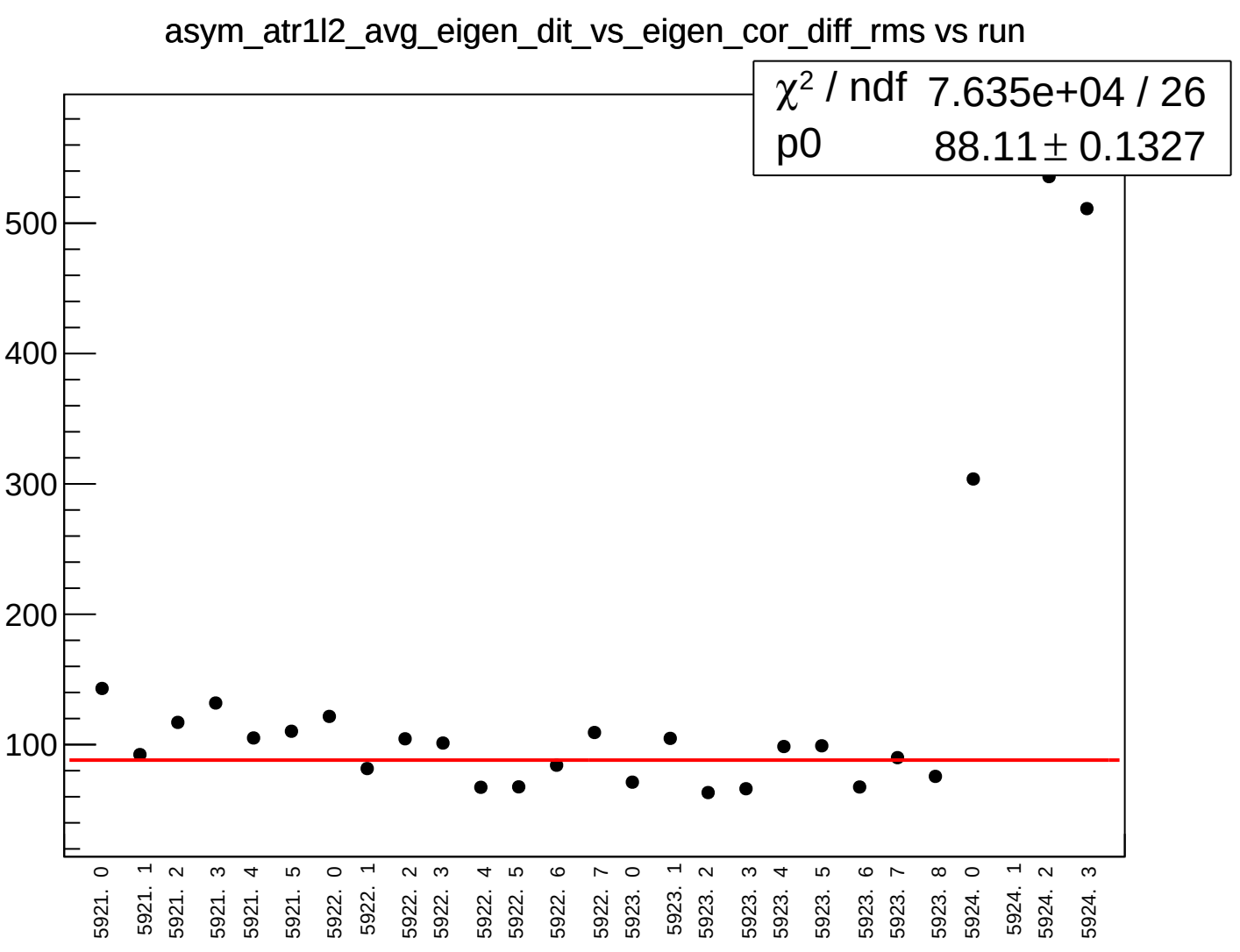

asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4273 / 26
p0 0.01965 ± 2.744e−05
0.024
0.023
0.022
0.021
0.02
0.019
0.018
0.017
0.016
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

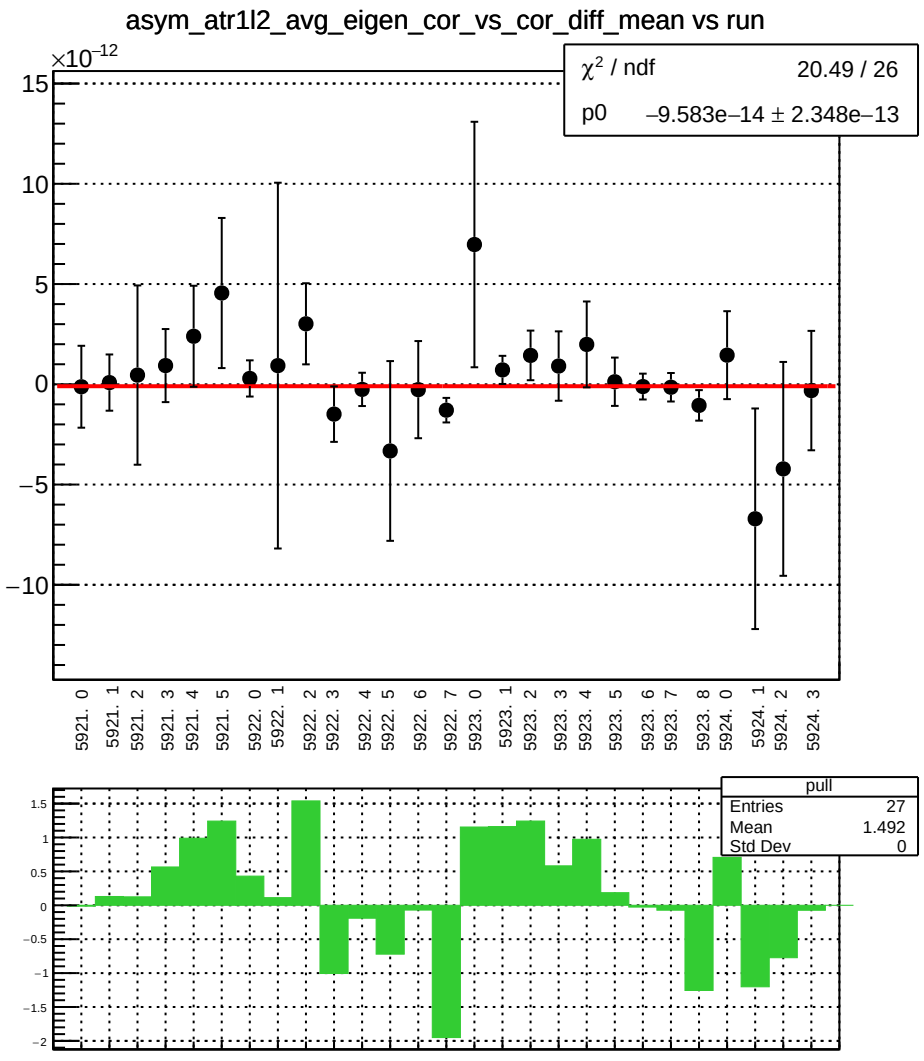

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 25.55 / 26
p0 0.2132 ± 0.1877
pull
Entries 27
Mean 29.36
Std Dev 17.9

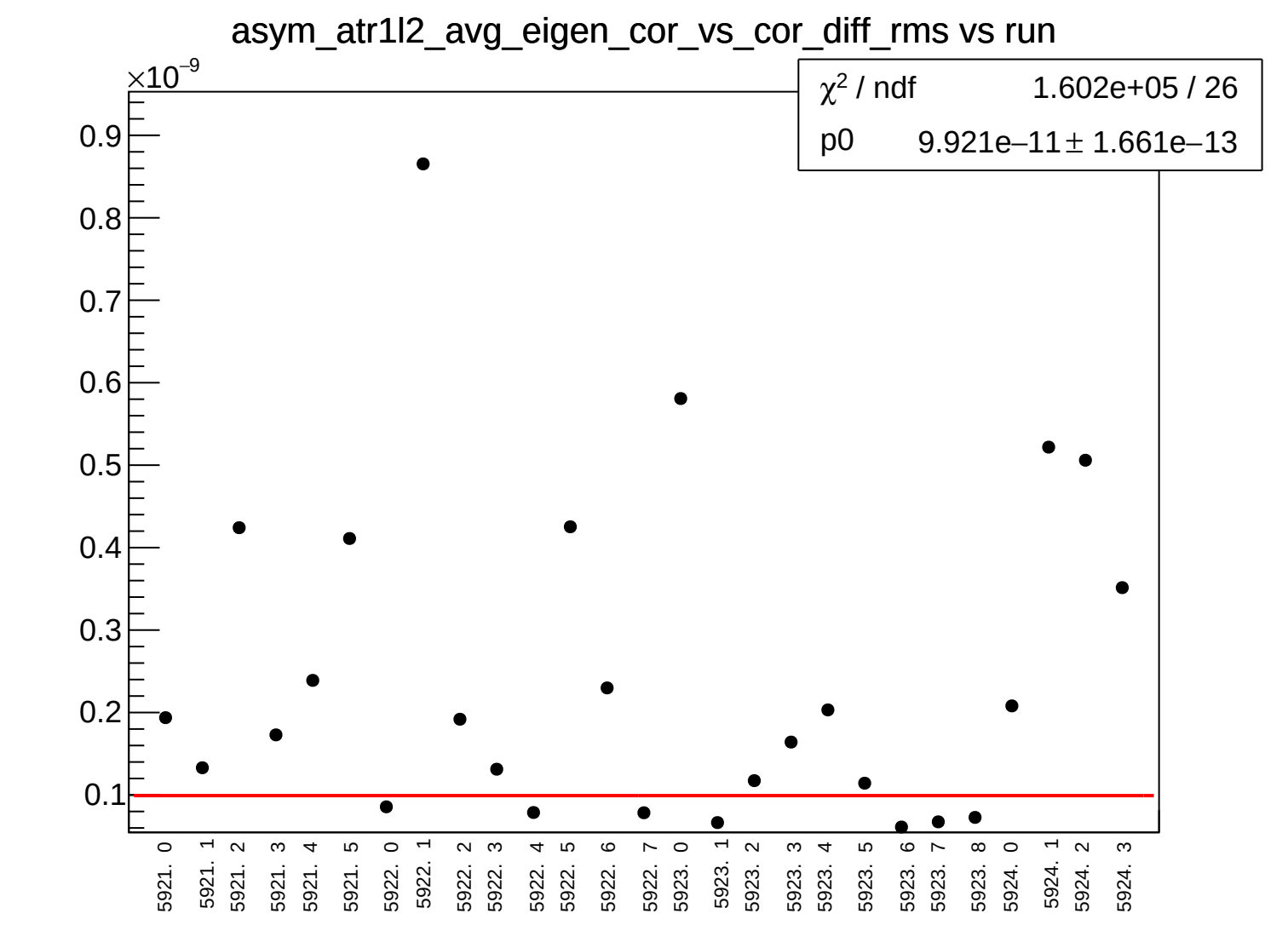

pull1D
Entries 27
Mean 0.0182
Std Dev 0.9726

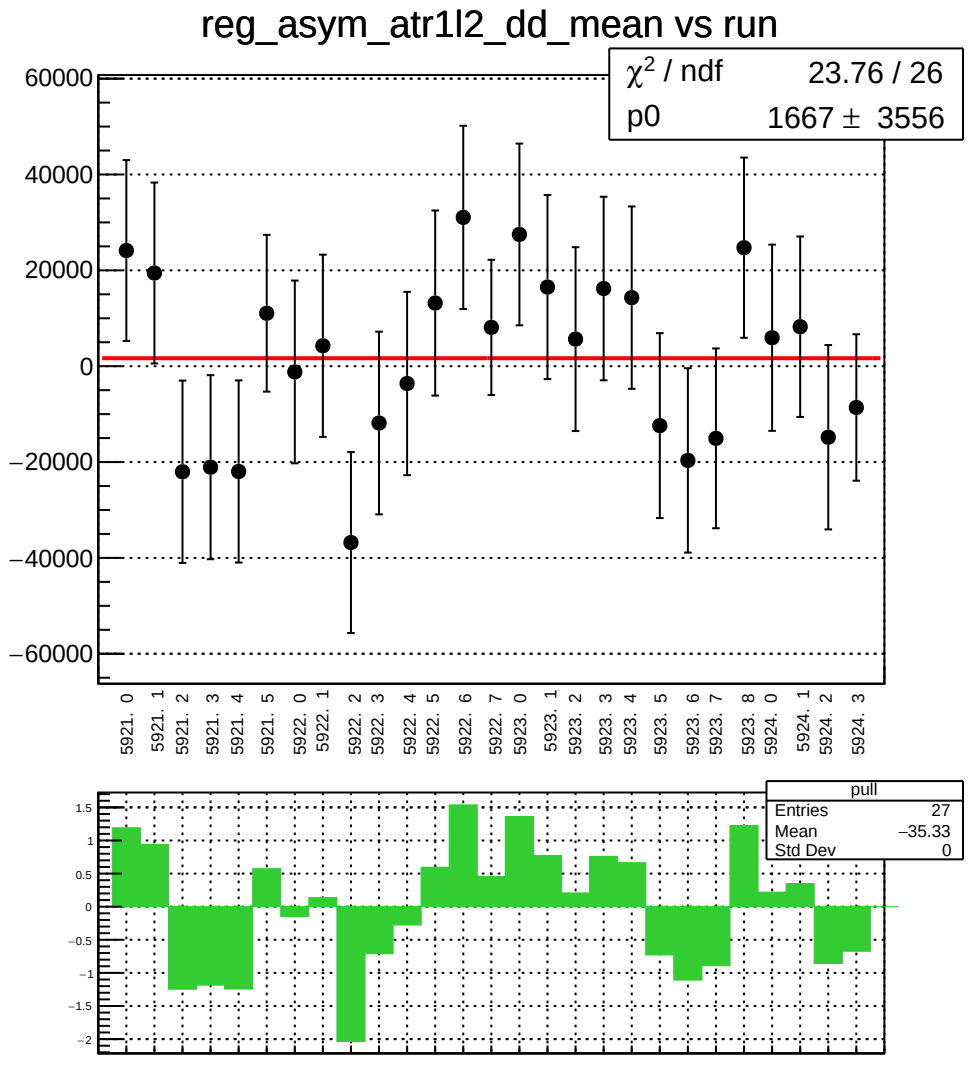

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.635e+04 / 26
p0 88.11 ± 0.1327
500
400
300
200
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

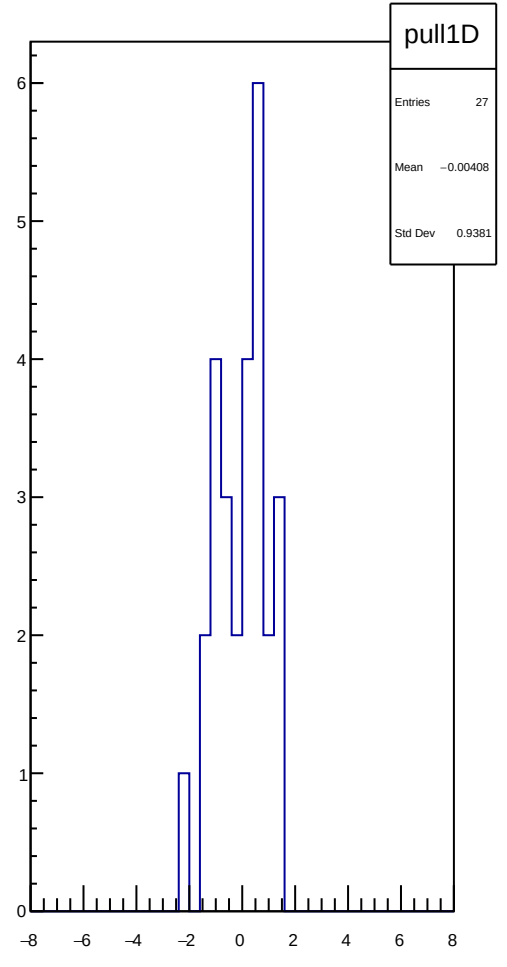

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 25.55 / 26
p0 0.2132 ± 0.1877
14
12
10
8
6
4
2
0
−2
−4
−6
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 29.36
Std Dev 17.9
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean 0.0182
Std Dev 0.9726
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

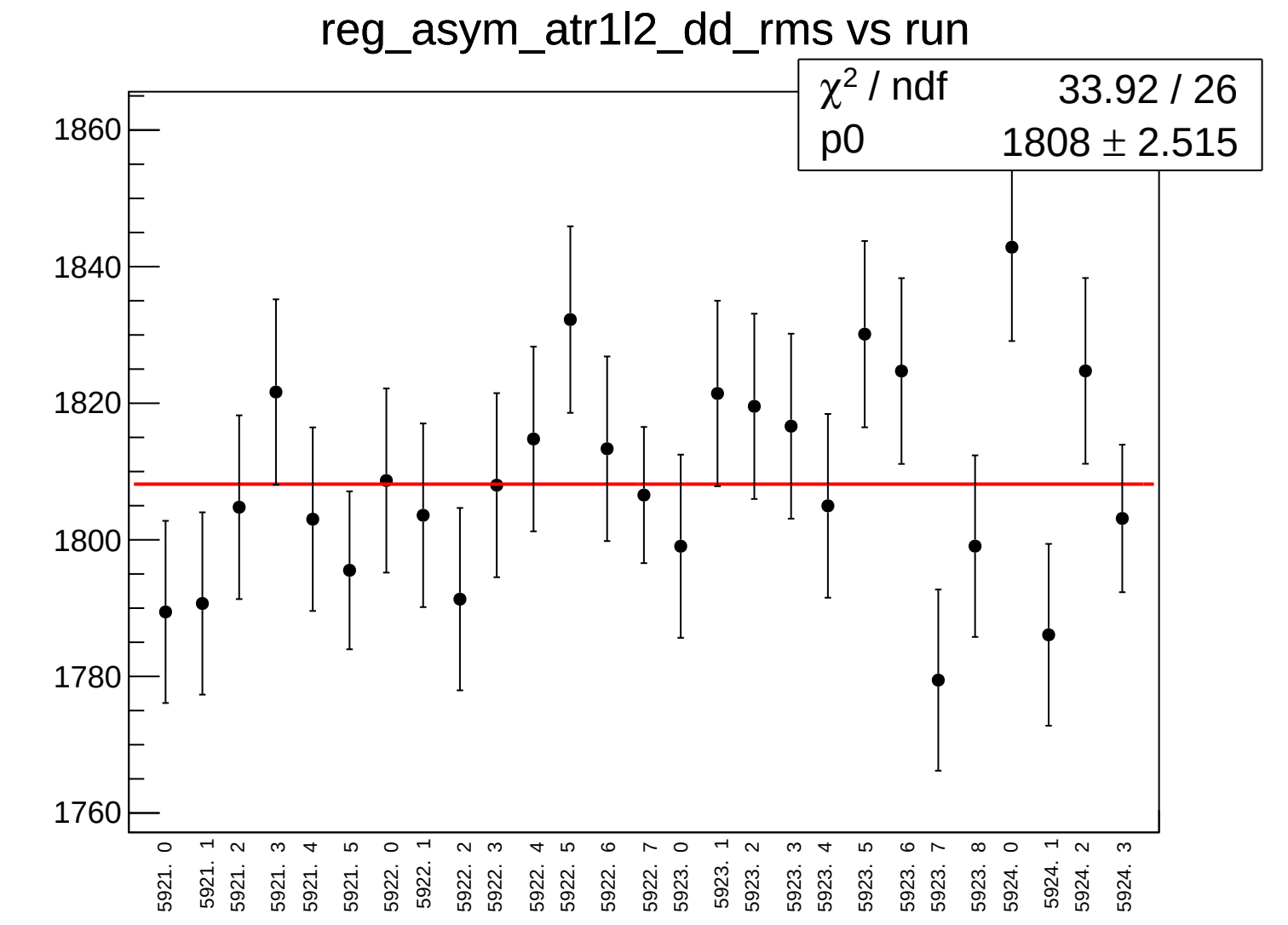

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.635e+04 / 26
p0 88.11 ± 0.1327
500
400
300
200
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

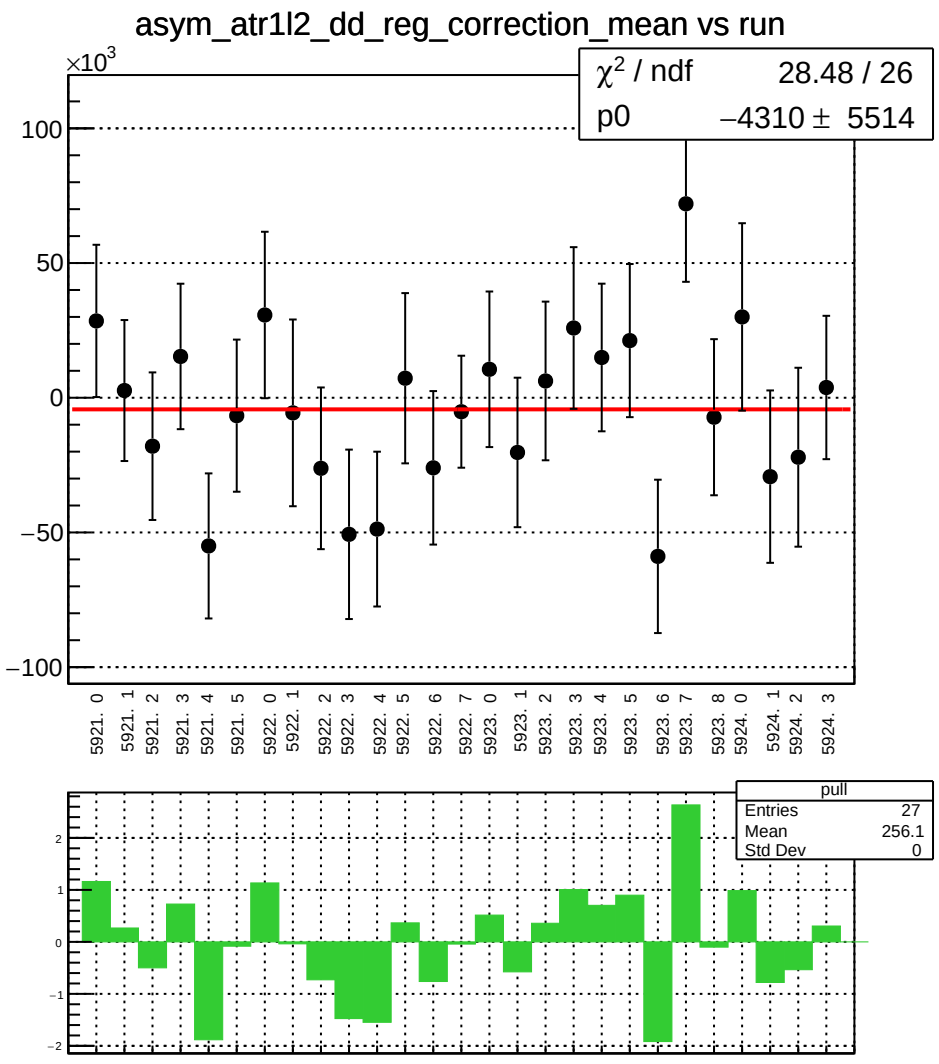

asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 20.49 / 26
p0 −9.583e−14 ± 2.348e−13
15
10
5
0
−5
−10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 1.492
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean 0.1402
Std Dev 0.8598
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

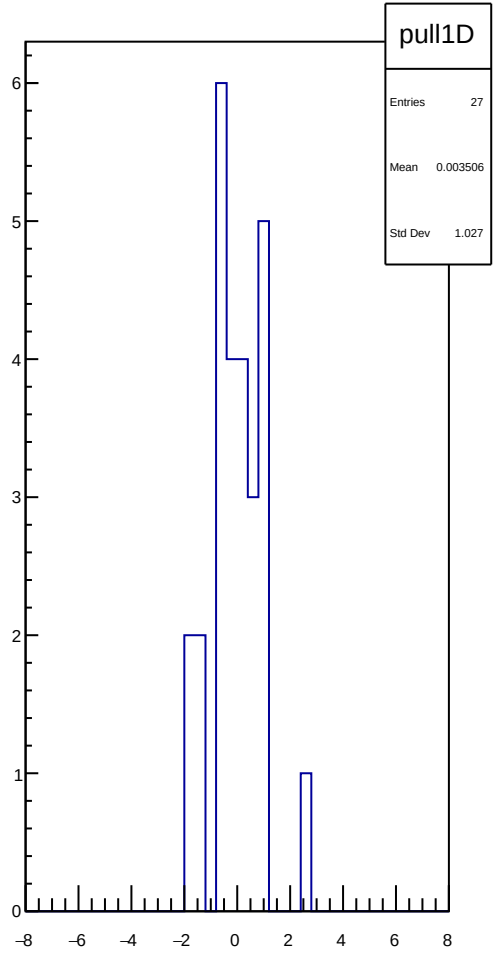

asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.602e+05 / 26
p0 9.921e−11 ± 1.661e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

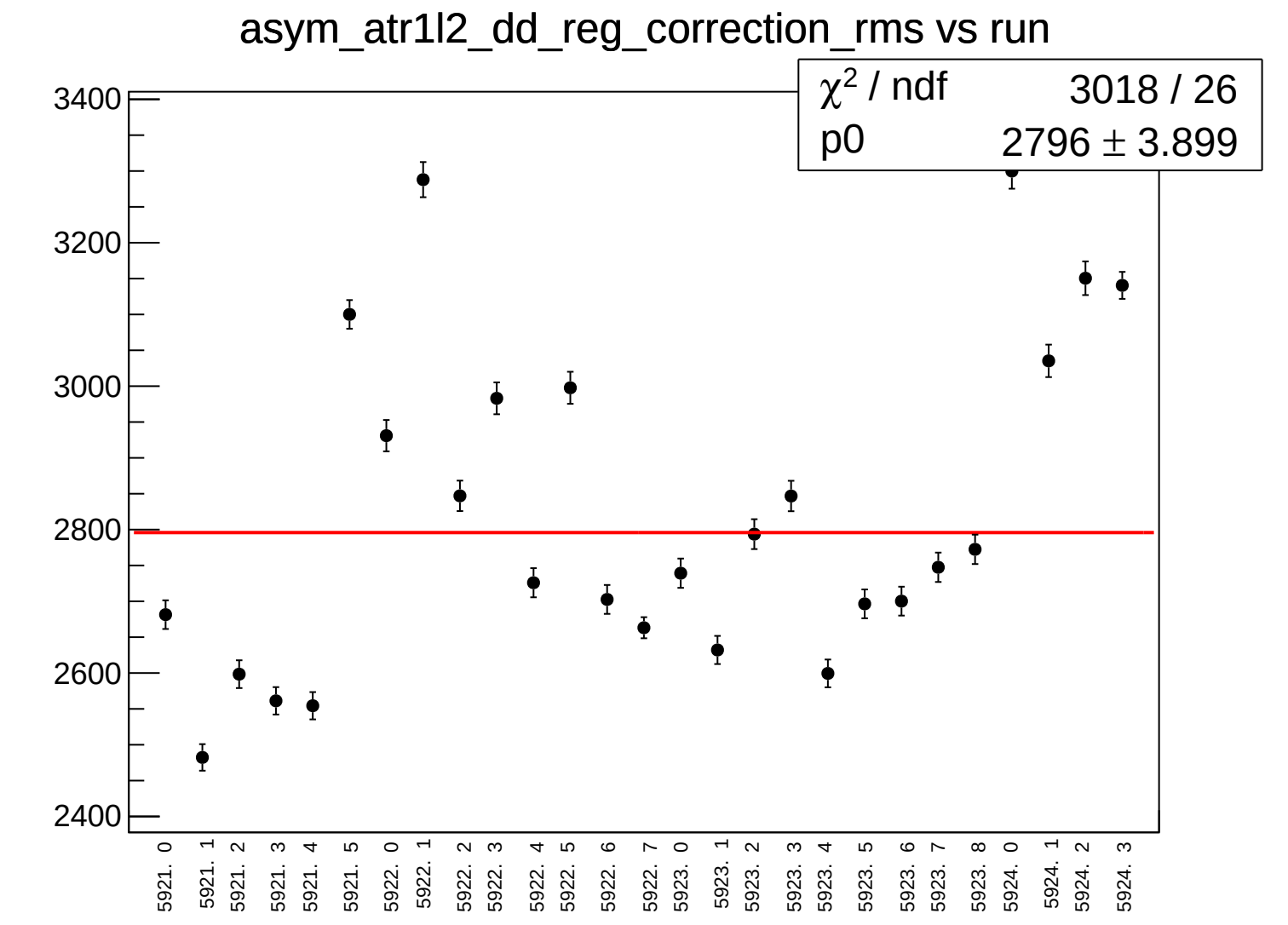

reg_asym_atr1l2_dd_mean vs run
χ² / ndf 23.76 / 26
p0 1667 ± 3556
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −35.33
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

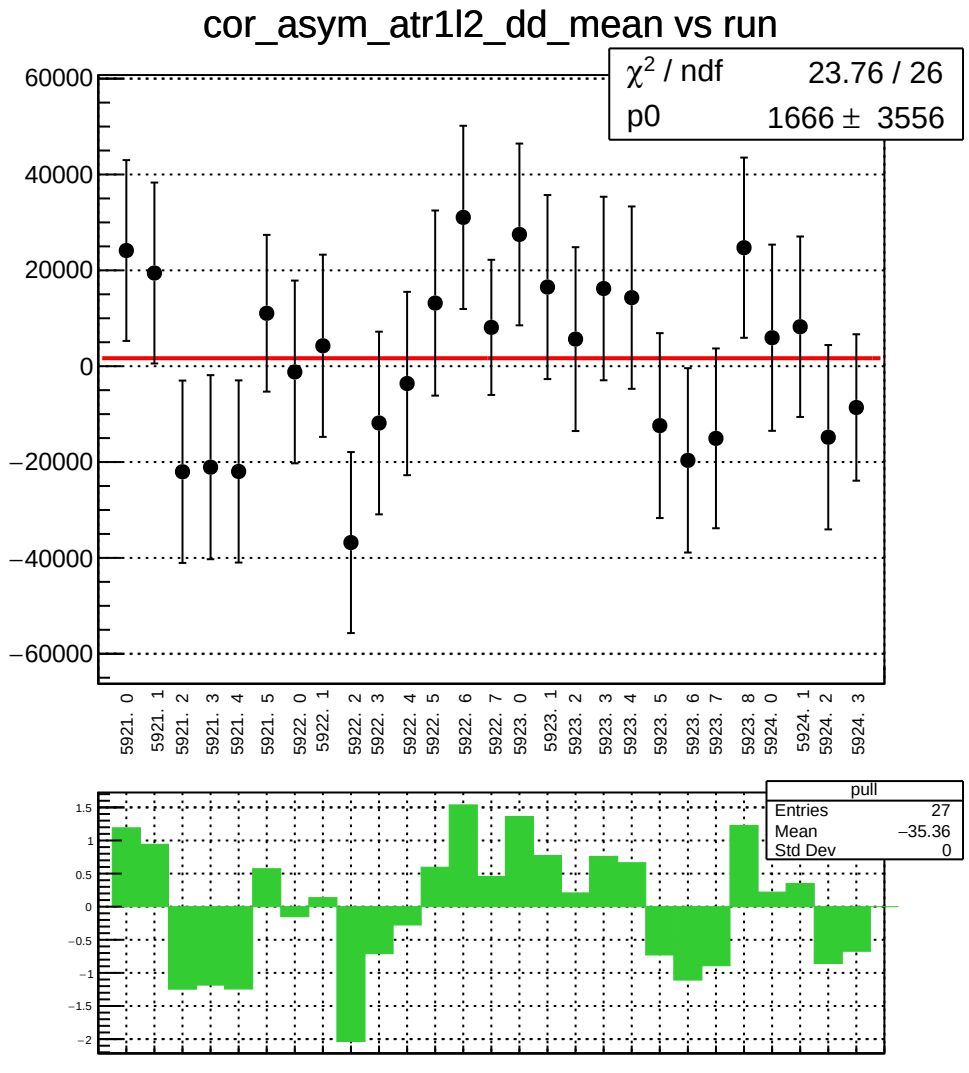

pull1D
Entries 27
Mean −0.00408
Std Dev 0.9381
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

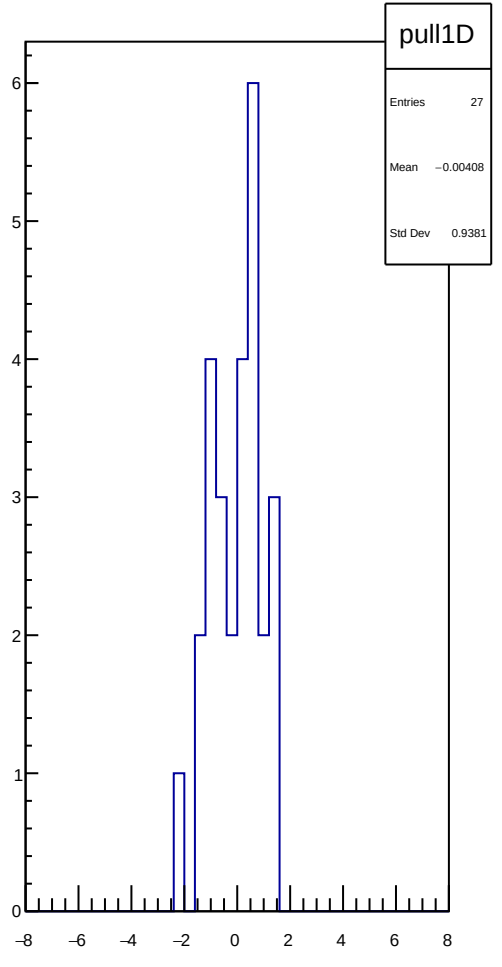

reg_asym_atr1l2_dd_rms vs run
χ² / ndf 33.92 / 26
p0 1808 ± 2.515
1860
1840
1820
1800
1780
1760
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

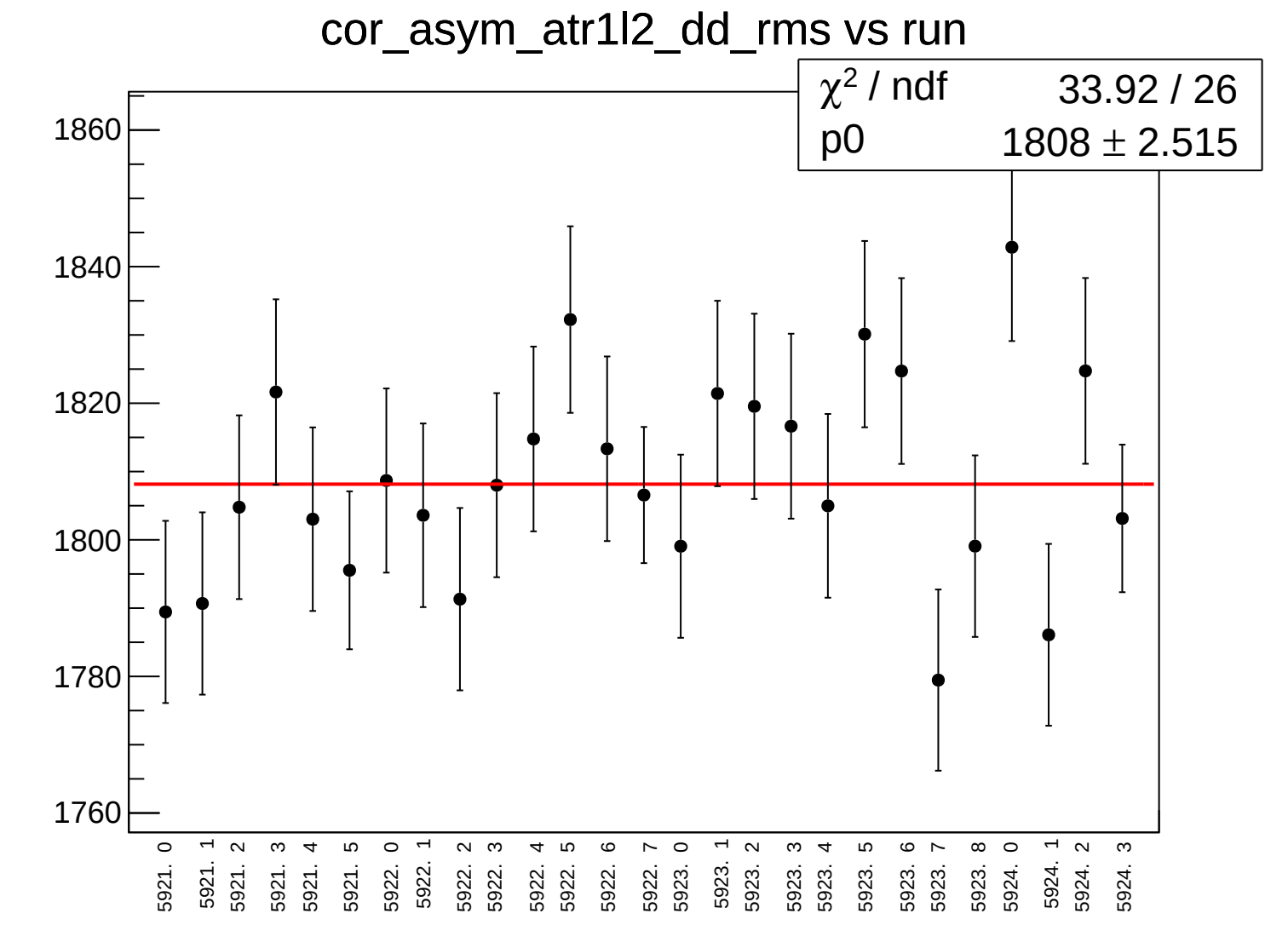

asym_atr1l2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 28.48 / 26
p0 −4310 ± 5514
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 256.1
Std Dev 0
2
1
0
−1
−2

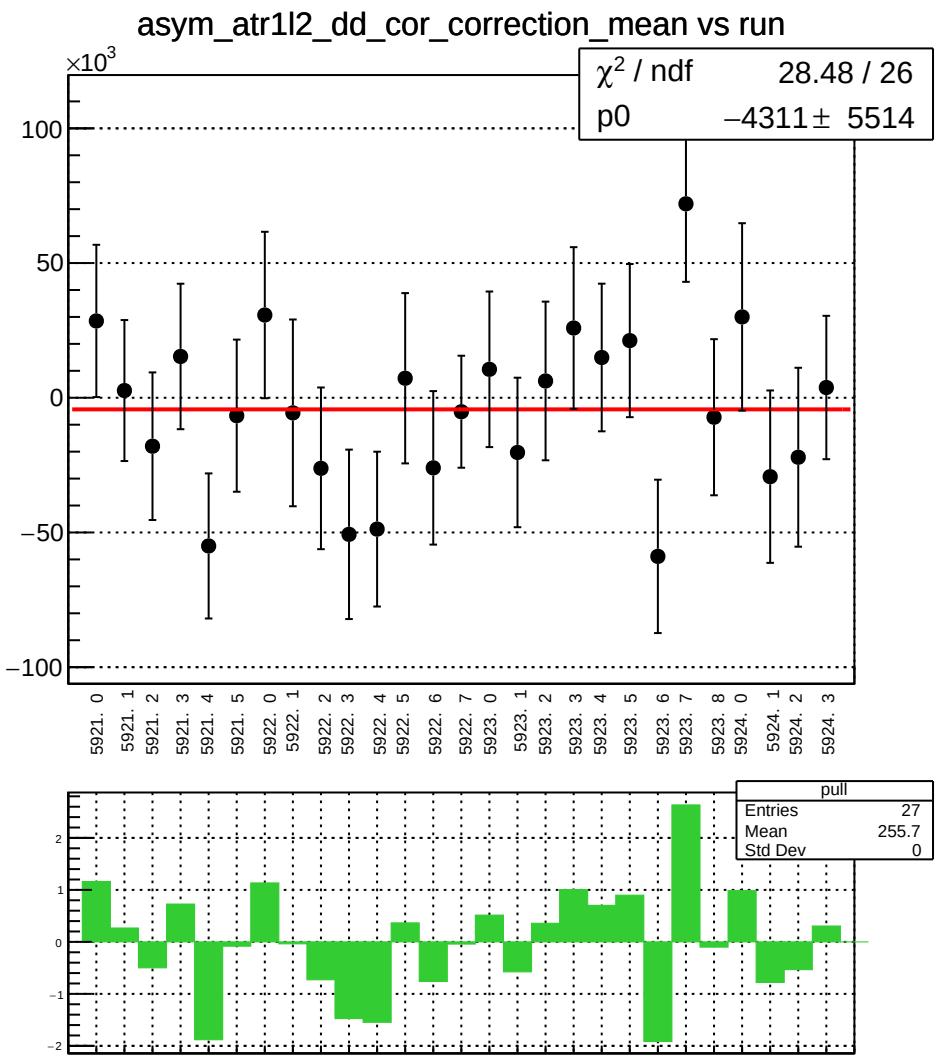

pull1D
Entries 27
Mean 0.003506
Std Dev 1.027
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

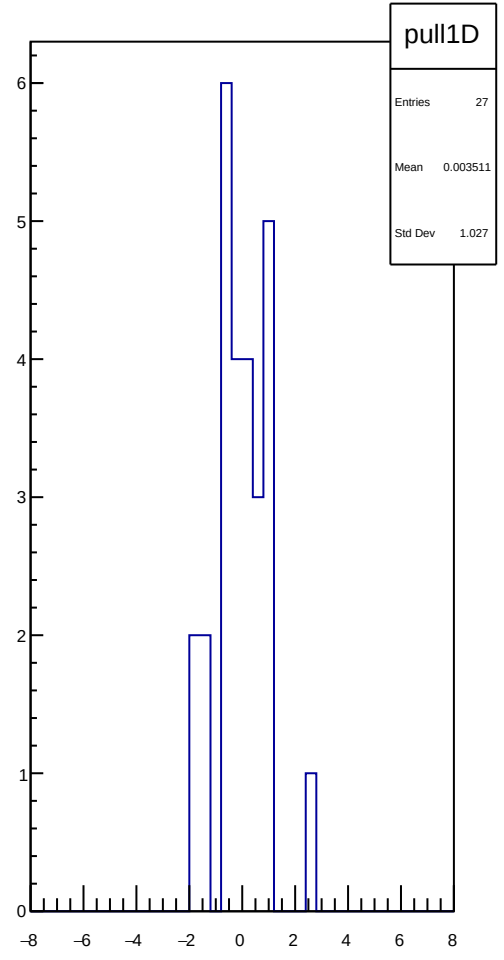

asym_atr1l2_dd_reg_correction_rms vs run
χ² / ndf 3018 / 26
p0 2796 ± 3.899
3400
3200
3000
2800
2600
2400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

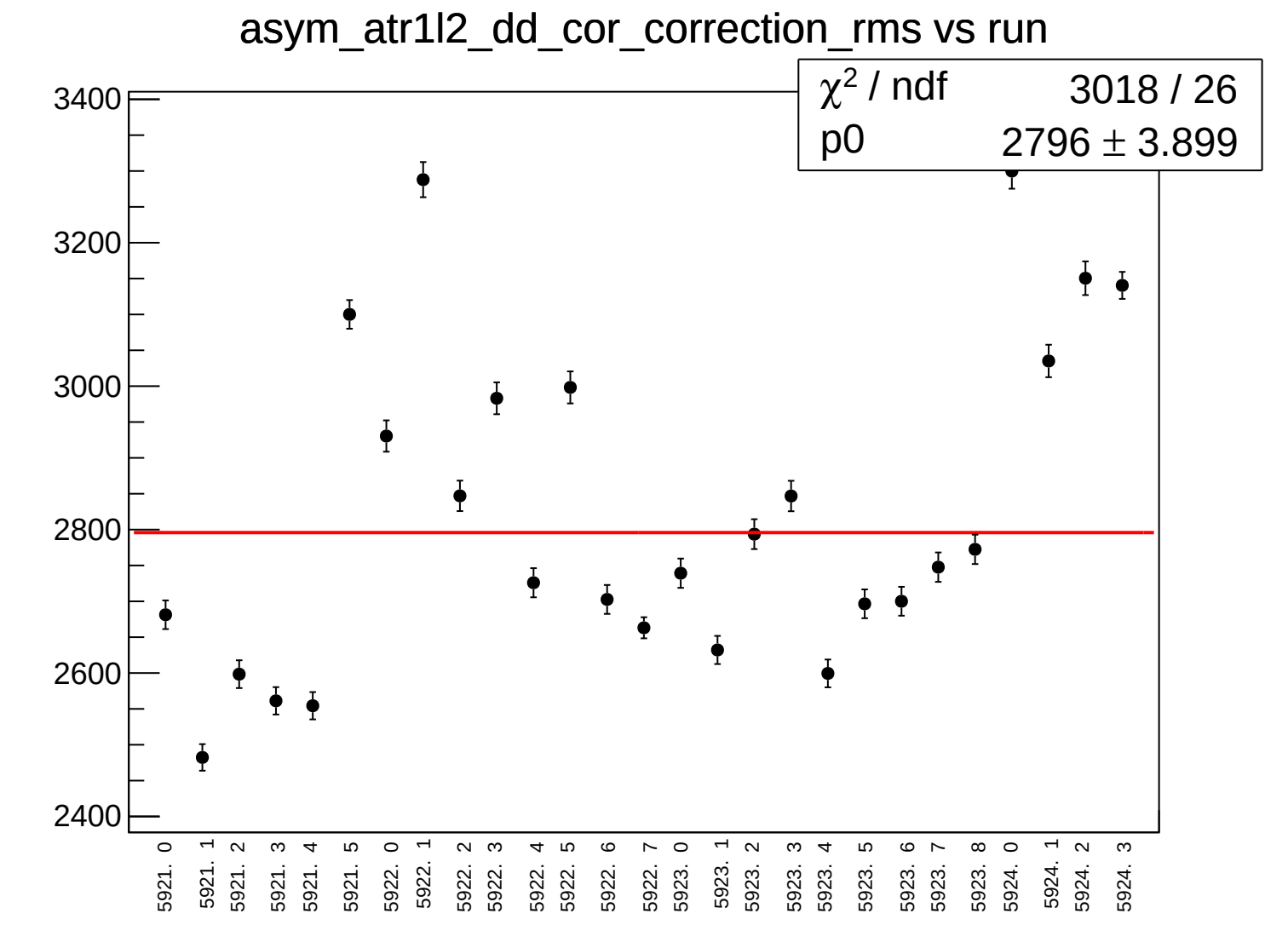

cor_asym_atr1l2_dd_mean vs run
χ² / ndf 23.76 / 26
p0 1666 ± 3556
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −35.36
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

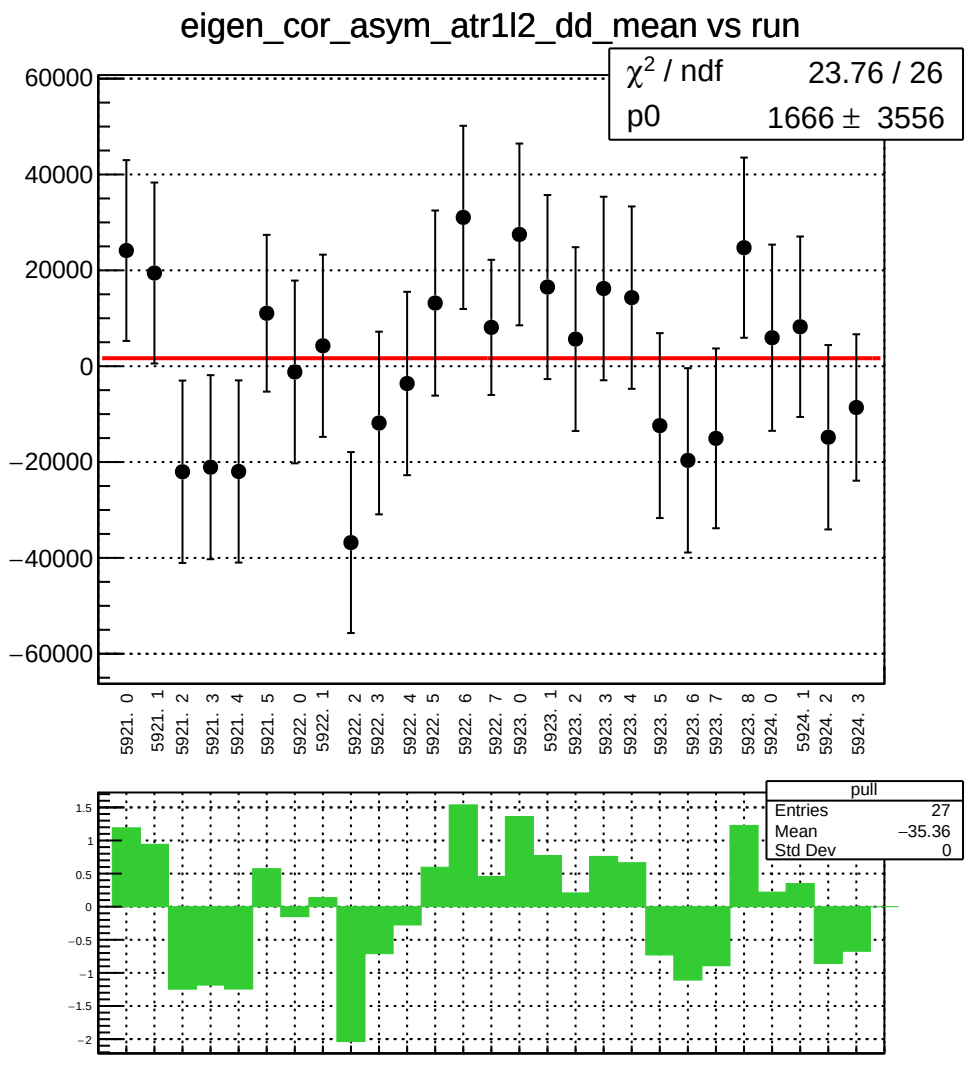

pull1D
Entries 27
Mean −0.00408
Std Dev 0.9381
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

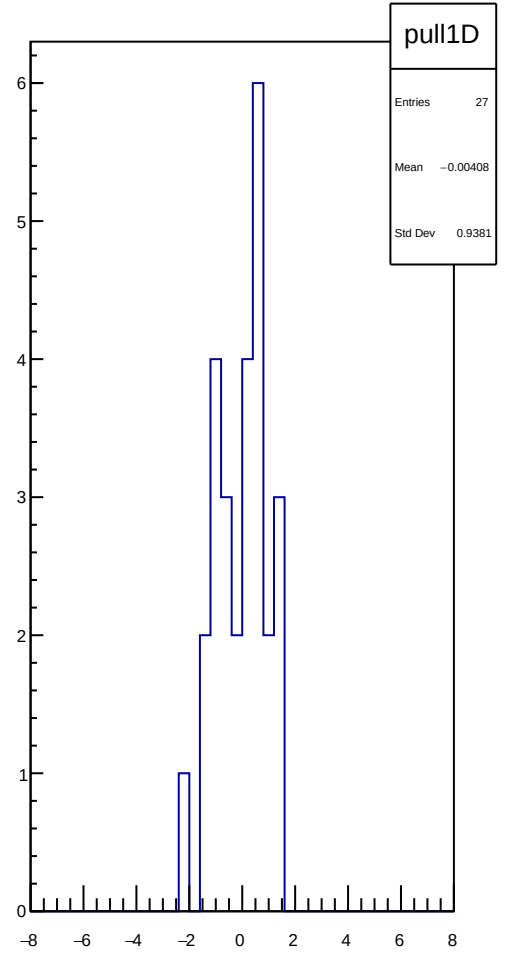

cor_asym_atr1l2_dd_rms vs run
χ² / ndf 33.92 / 26
p0 1808 ± 2.515
1860
1840
1820
1800
1780
1760
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

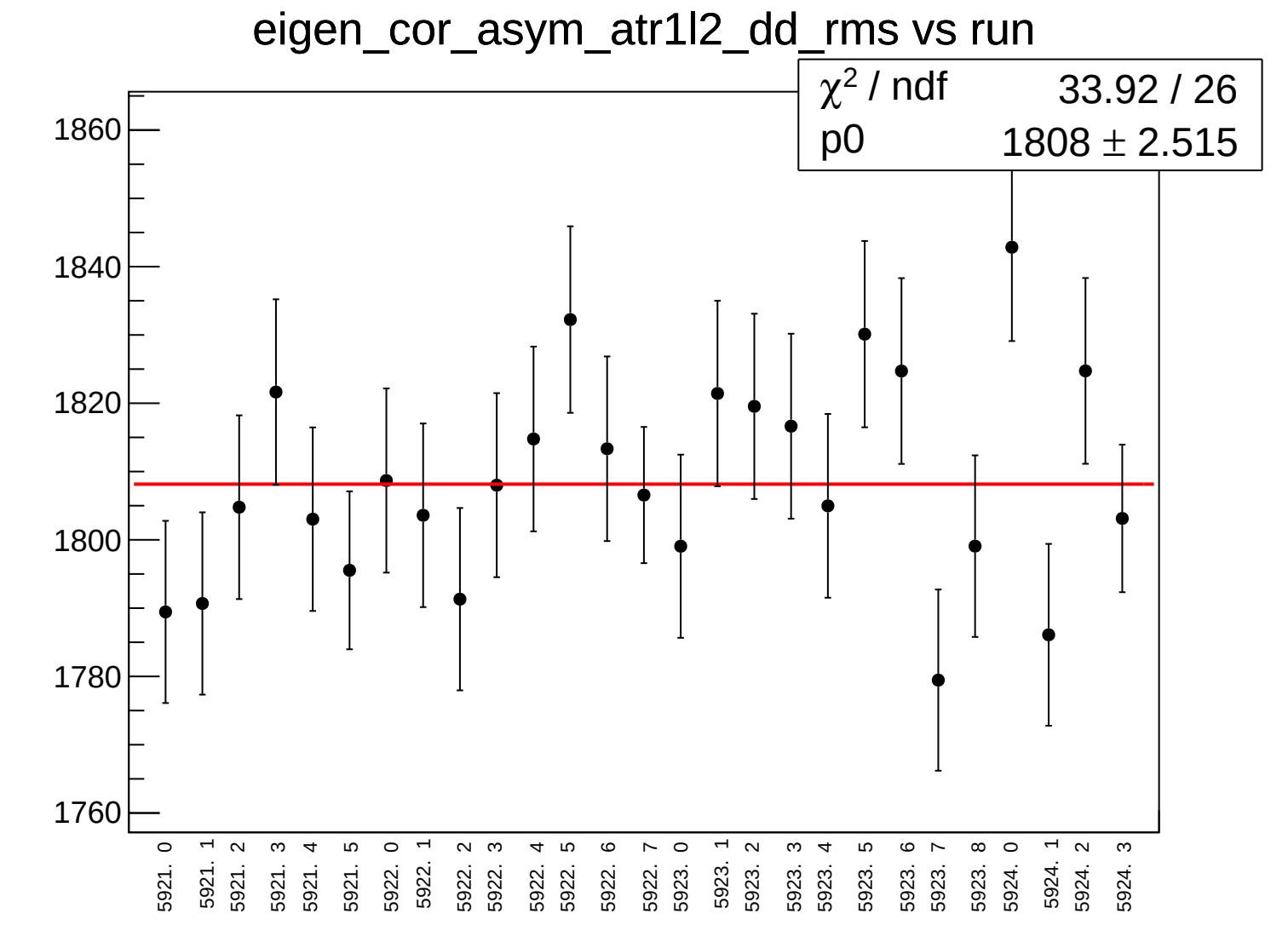

asym_atr1l2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 28.48 / 26
p0 −4311 ± 5514
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 255.7
Std Dev 0
2
1
0
−1
−2

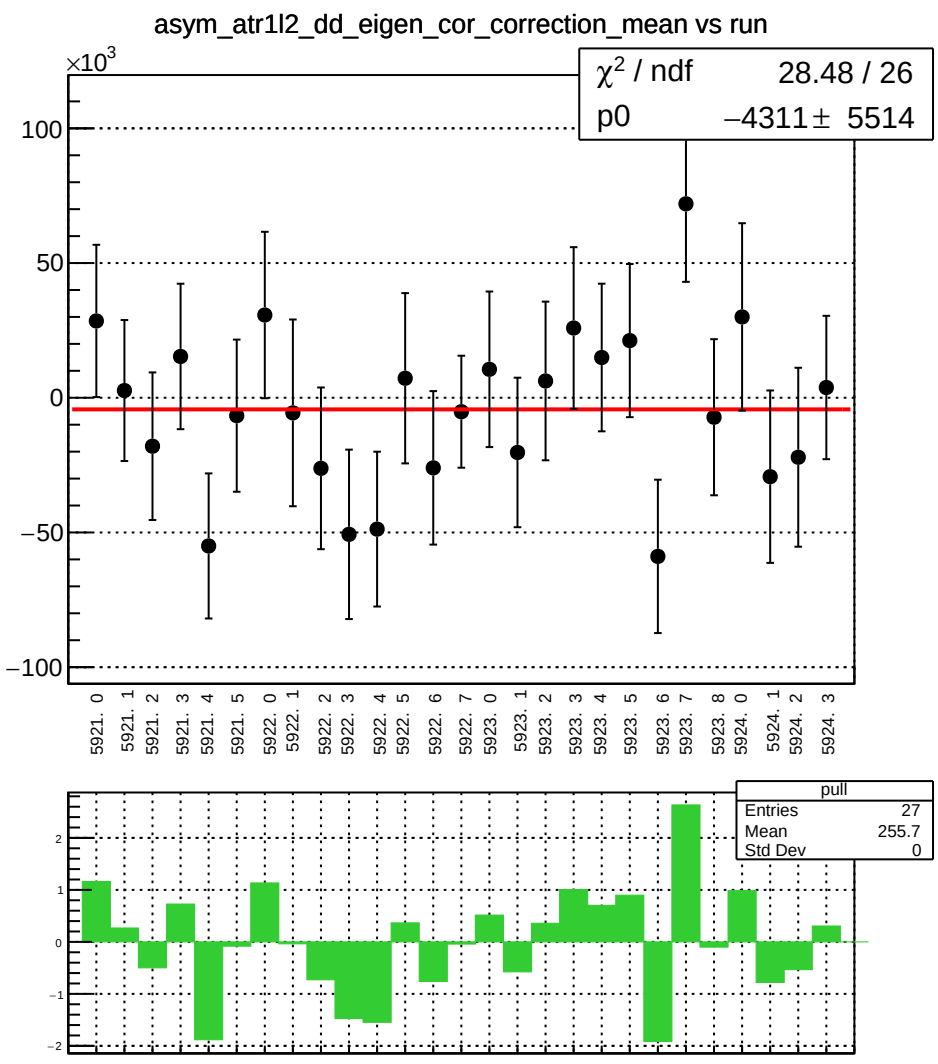

pull1D
Entries 27
Mean 0.003511
Std Dev 1.027
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

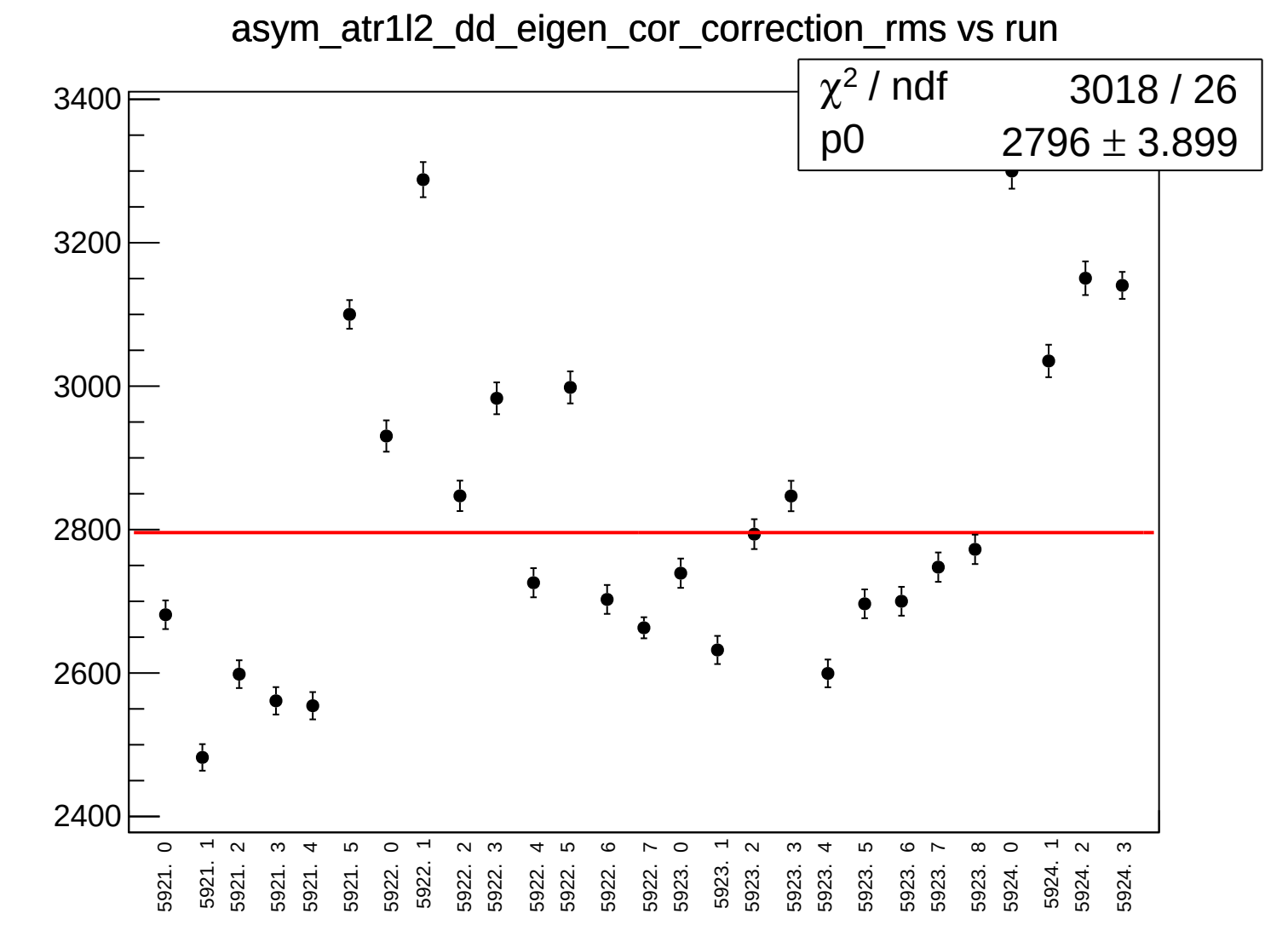

asym_atr1l2_dd_cor_correction_rms vs run
χ² / ndf 3018 / 26
p0 2796 ± 3.899
3400
3200
3000
2800
2600
2400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

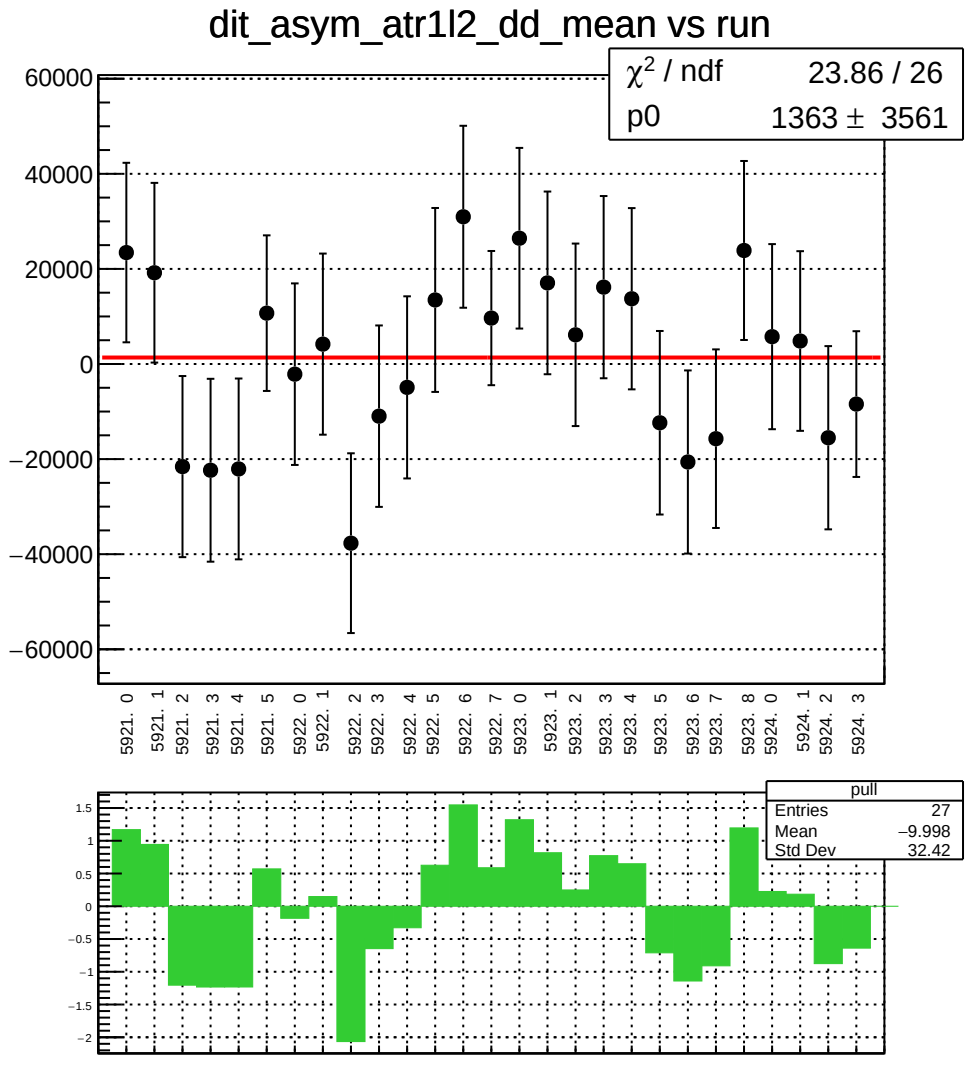

eigen_cor_asym_atr1l2_dd_mean vs run
χ² / ndf 23.76 / 26
p0 1666 ± 3556
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −35.36
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

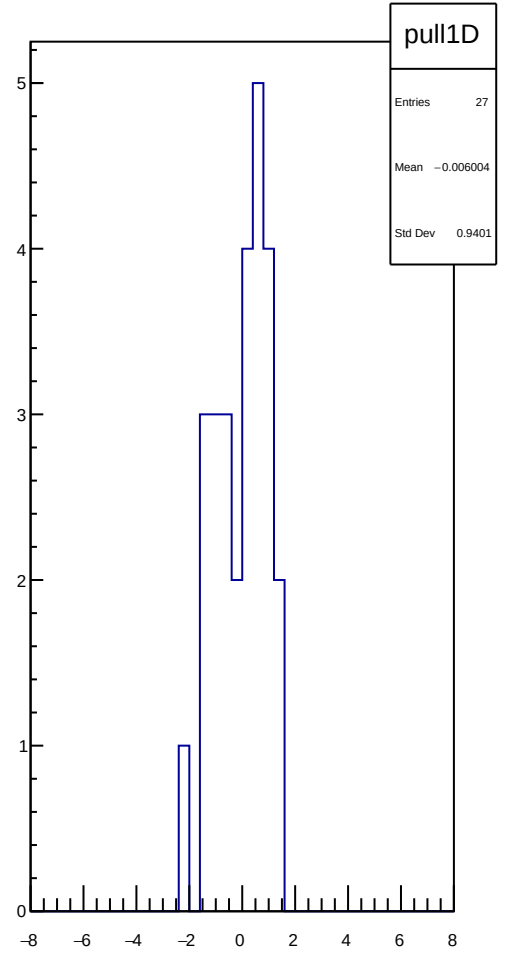

pull1D
Entries 27
Mean −0.00408
Std Dev 0.9381
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

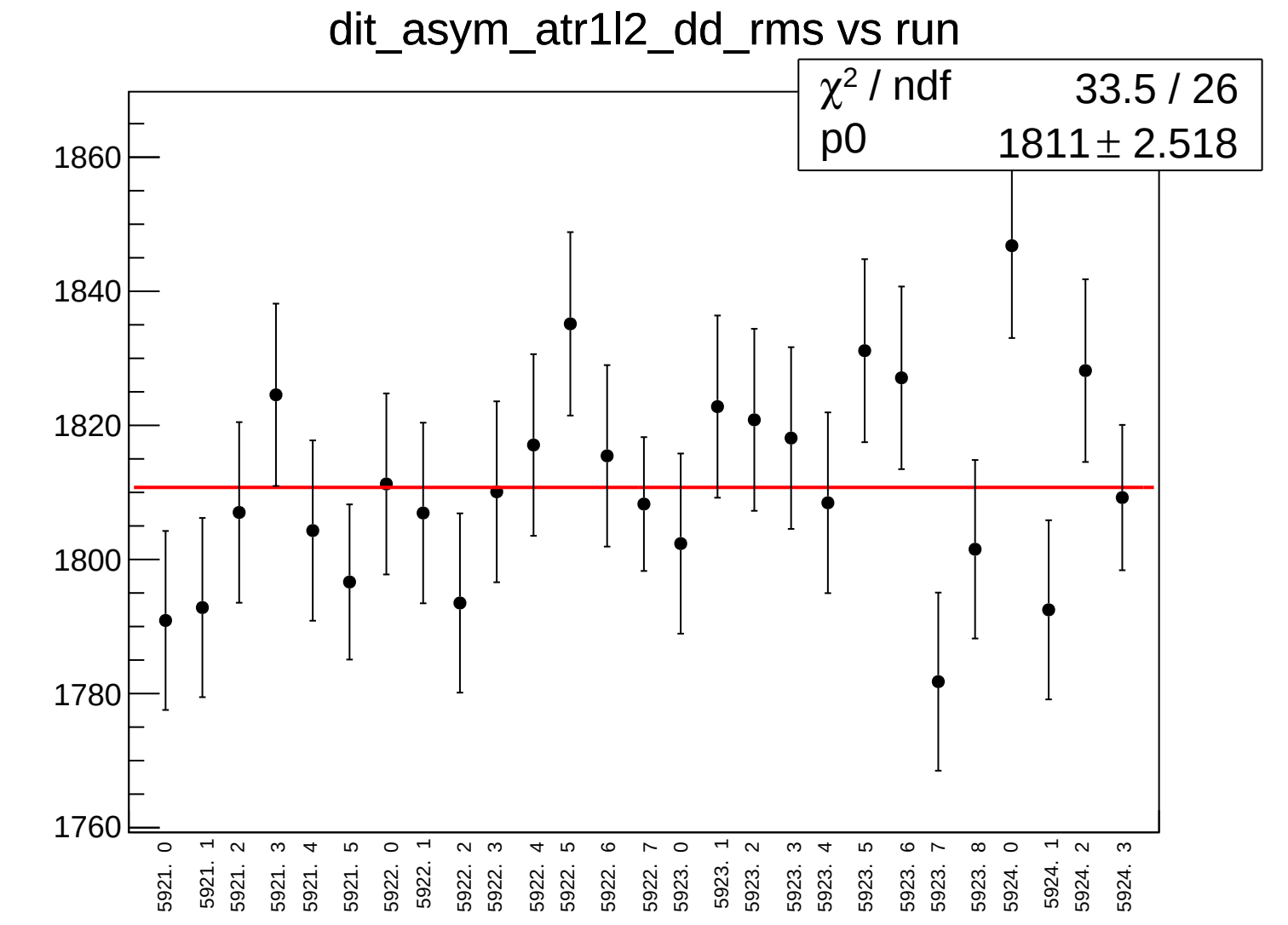

eigen_cor_asym_atr1l2_dd_rms vs run
χ² / ndf 33.92 / 26
p0 1808 ± 2.515
1860
1840
1820
1800
1780
1760
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

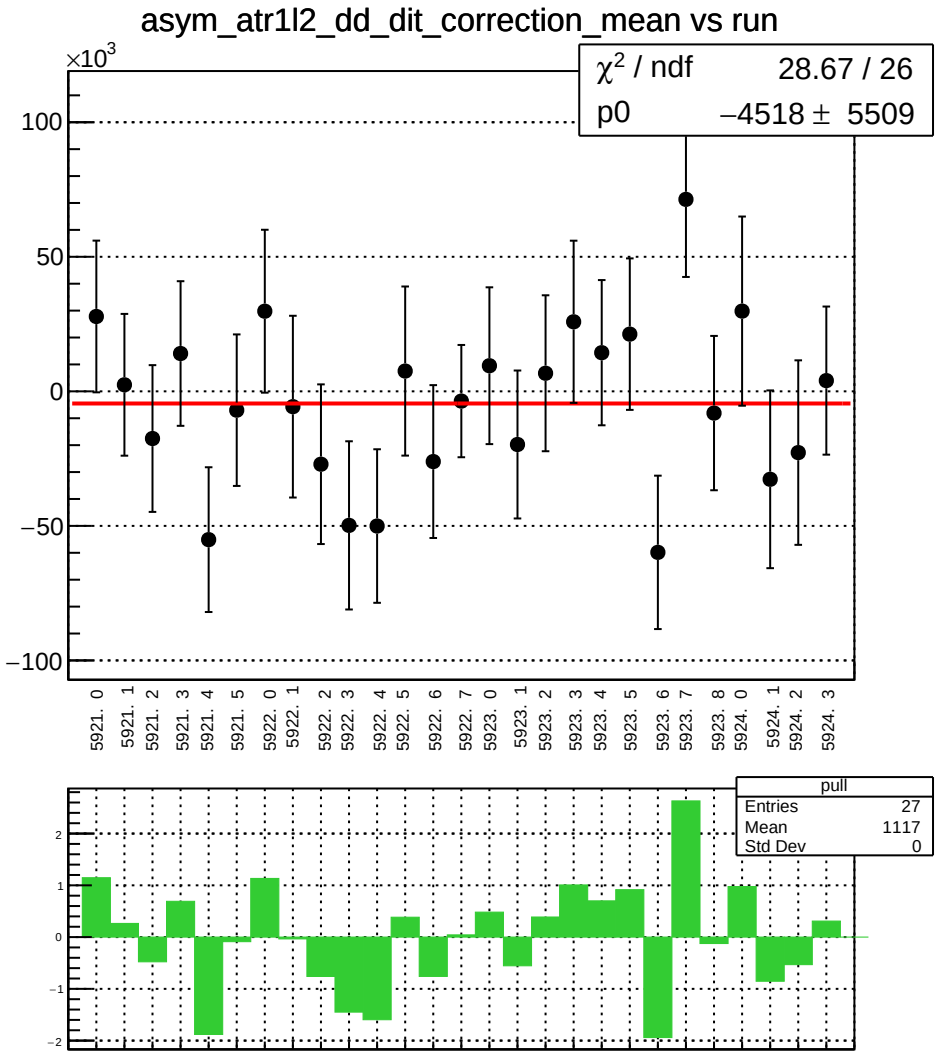

asym_atr1l2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 28.48 / 26
p0 −4311 ± 5514
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 255.7
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.003511
Std Dev 1.027
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

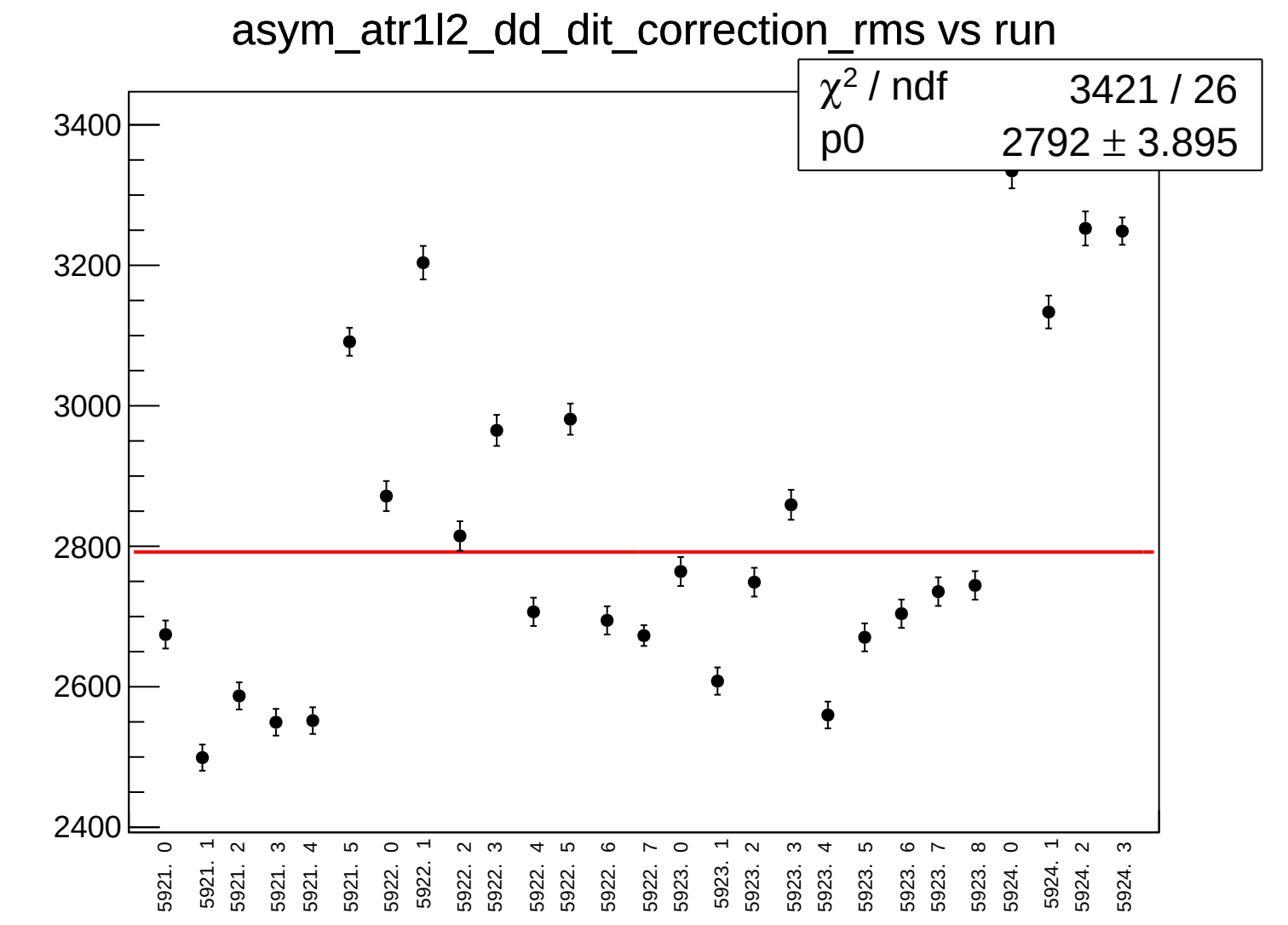

asym_atr1l2_dd_eigen_cor_correction_rms vs run
χ² / ndf 3018 / 26
p0 2796 ± 3.899
3400
3200
3000
2800
2600
2400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

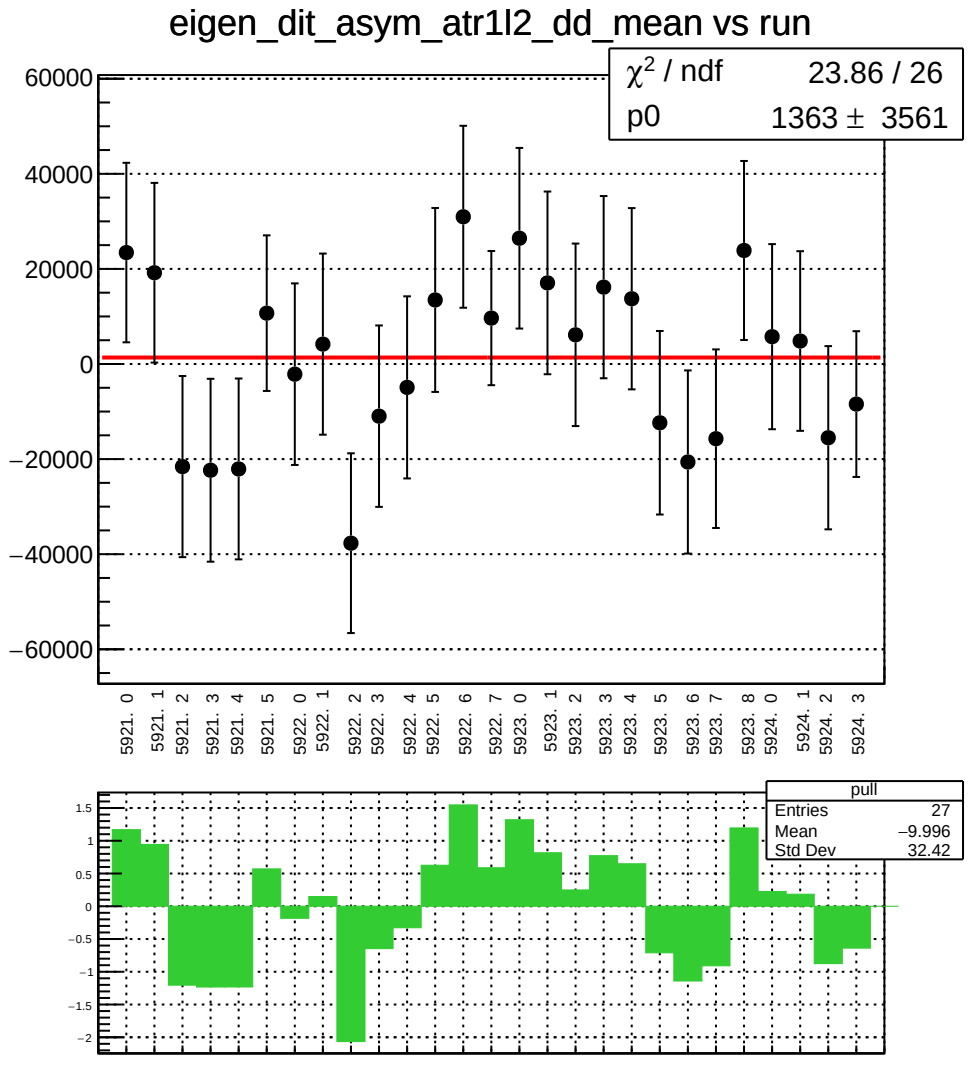

dit_asym_atr1l2_dd_mean vs run
χ² / ndf 23.86 / 26
p0 1363 ± 3561
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −9.998
Std Dev 32.42
1.5
1
0.5
0
−0.5
−1
−1.5
−2

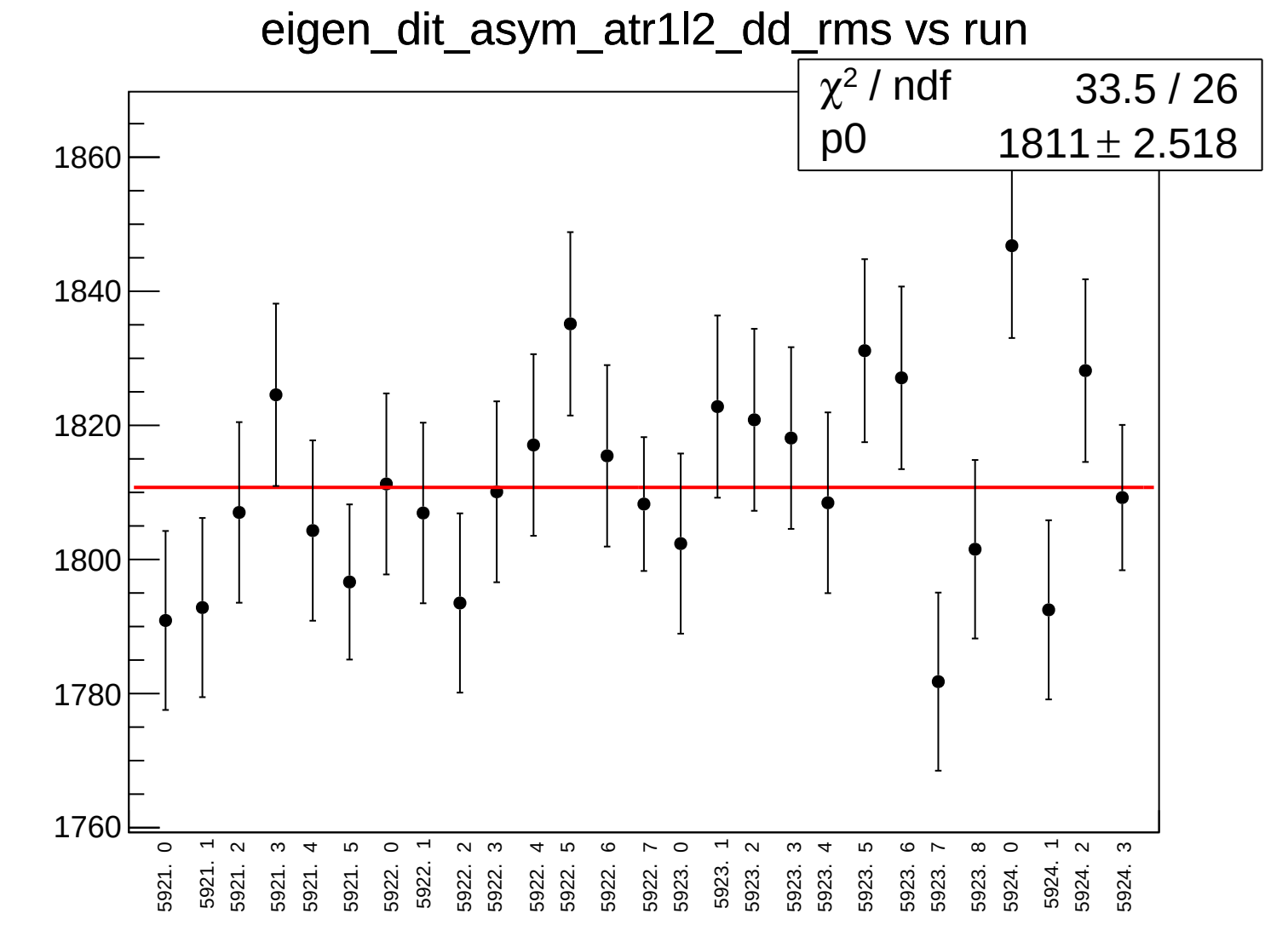

pull1D
Entries 27
Mean −0.006004
Std Dev 0.9401
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

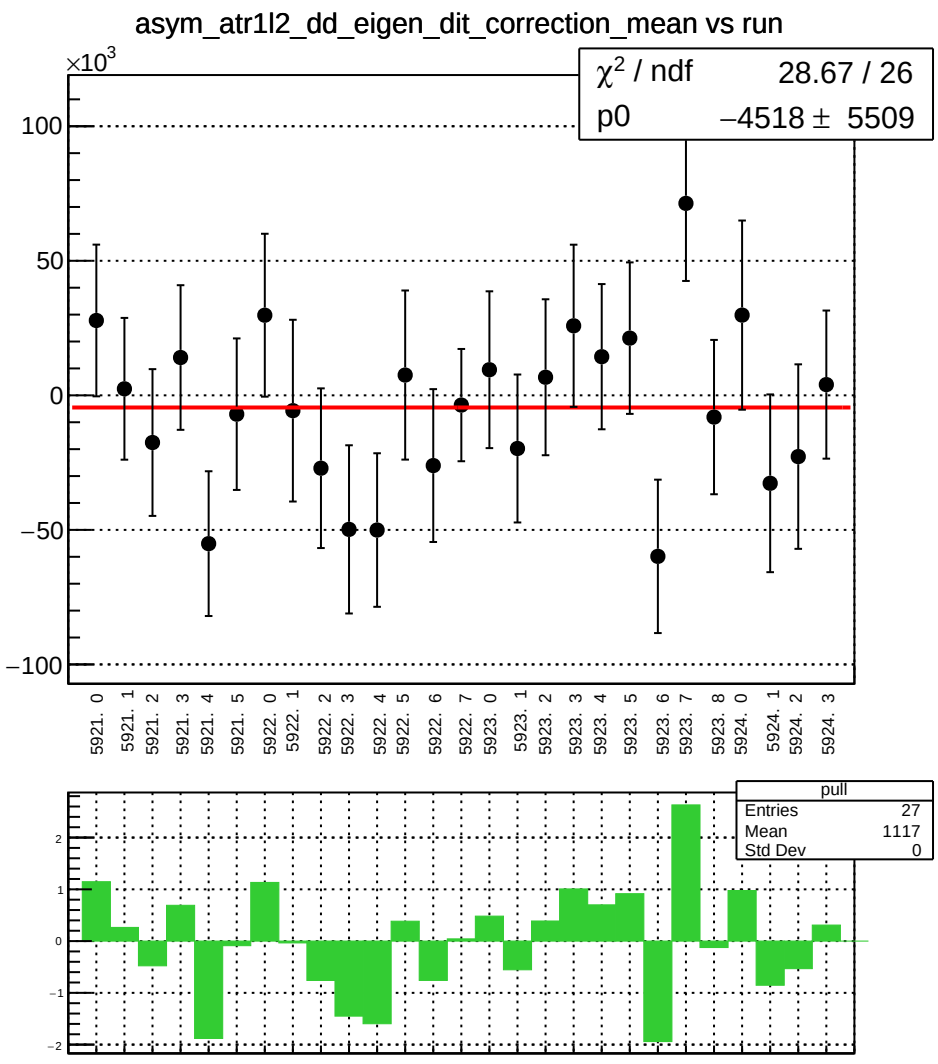

dit_asym_atr1l2_dd_rms vs run
χ² / ndf 33.5 / 26
p0 1811 ± 2.518
1860
1840
1820
1800
1780
1760
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

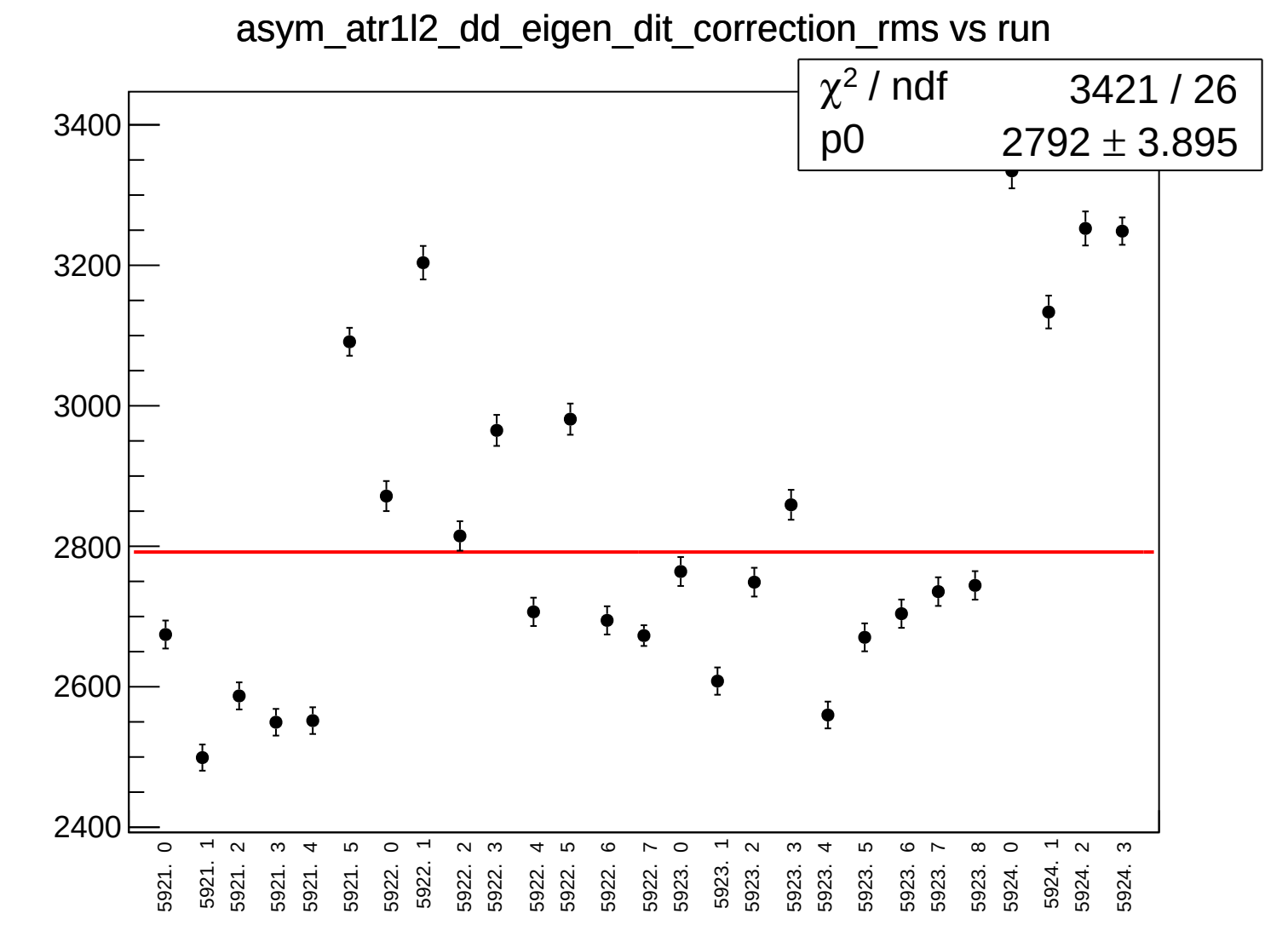

asym_atr1l2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 28.67 / 26
p0 −4518 ± 5509
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 1117
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.0007546
Std Dev 1.03
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

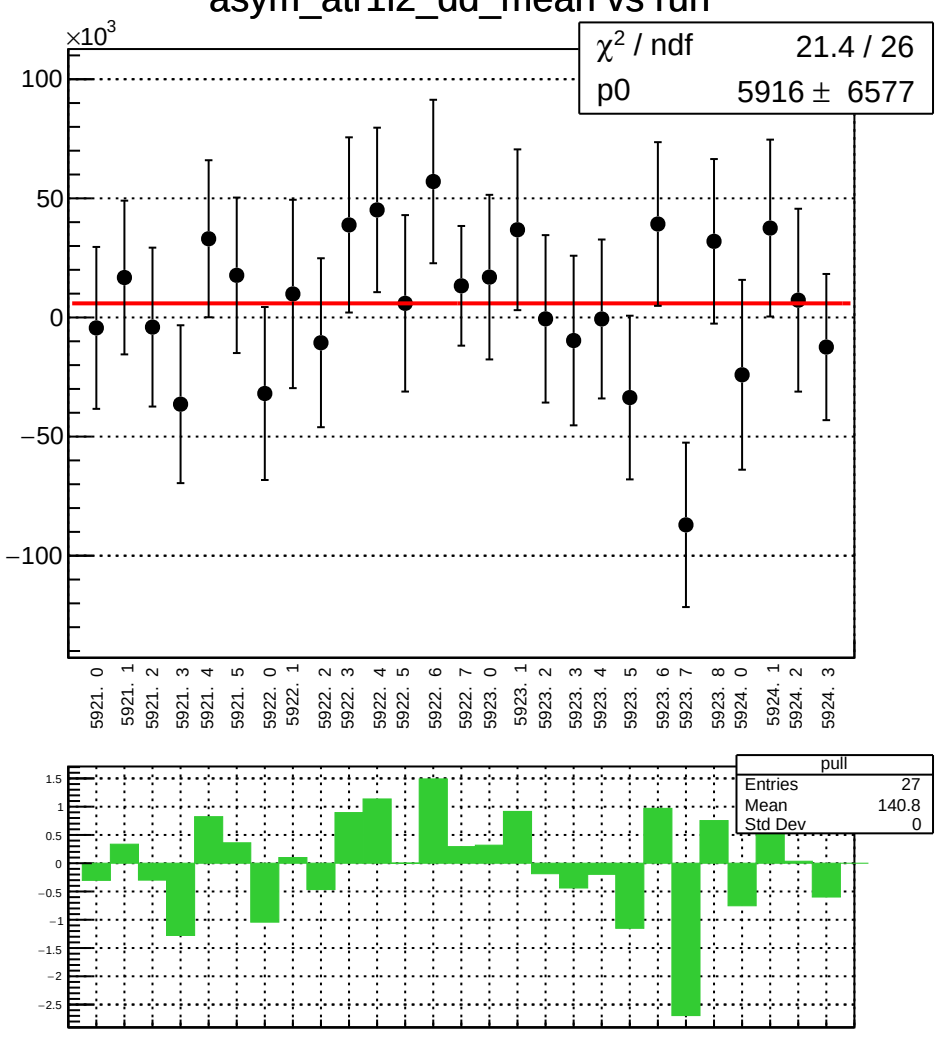

asym_atr1l2_dd_dit_correction_rms vs run
χ² / ndf 3421 / 26
p0 2792 ± 3.895
3400
3200
3000
2800
2600
2400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

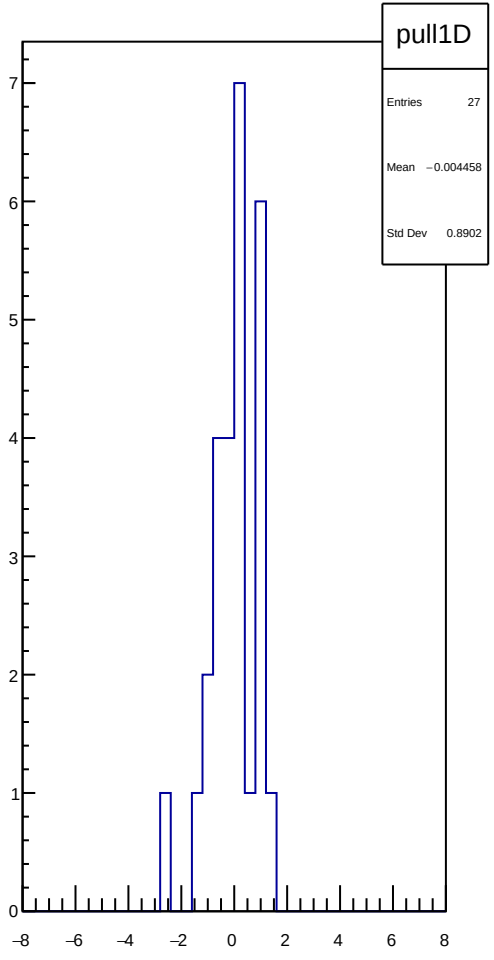

eigen_dit_asym_atr1l2_dd_mean vs run
χ² / ndf 23.86 / 26
p0 1363 ± 3561
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −9.996
Std Dev 32.42
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.006004
Std Dev 0.9401
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

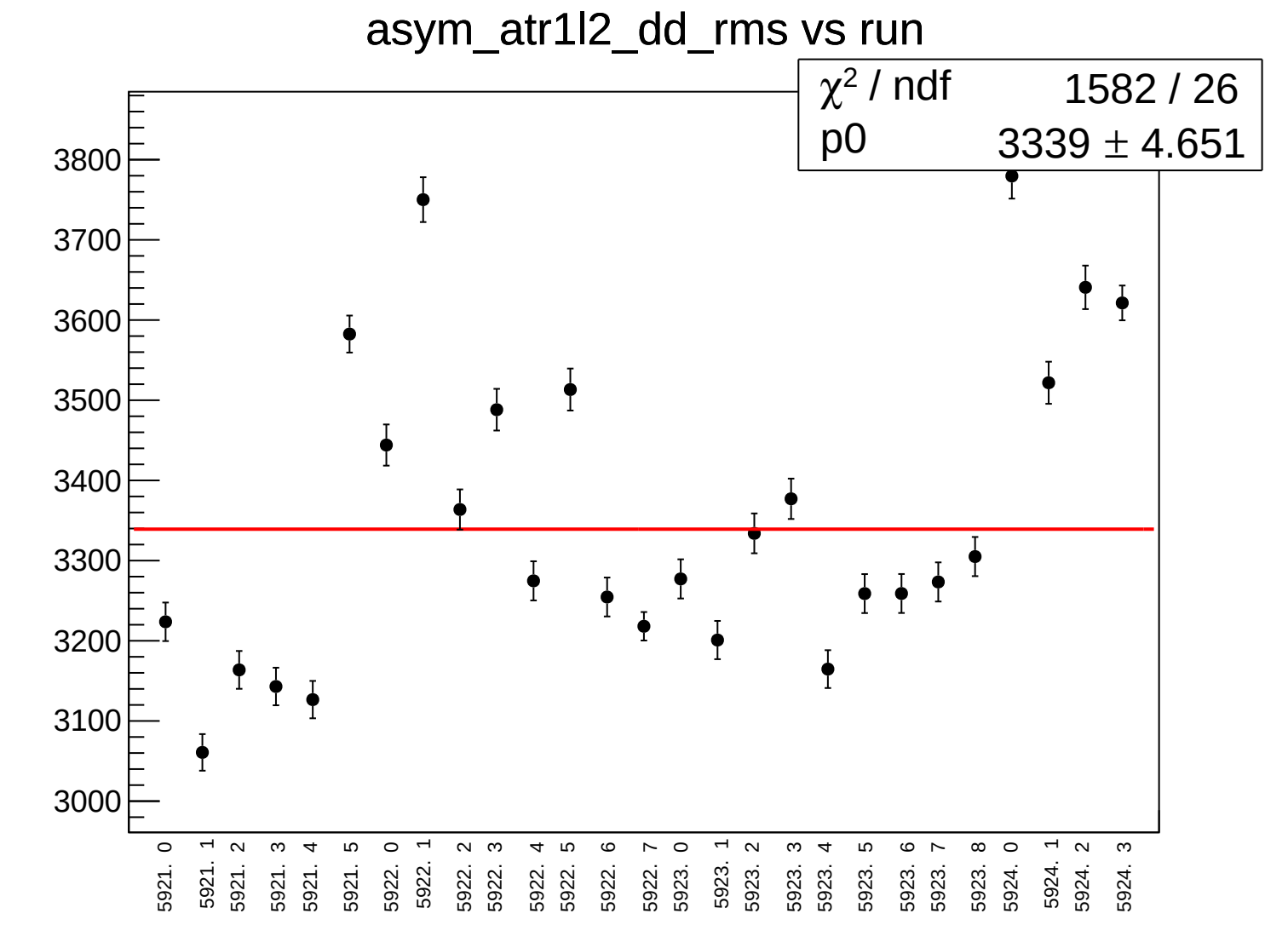

eigen_dit_asym_atr1l2_dd_rms vs run
χ² / ndf 33.5 / 26
p0 1811 ± 2.518
1860
1840
1820
1800
1780
1760
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

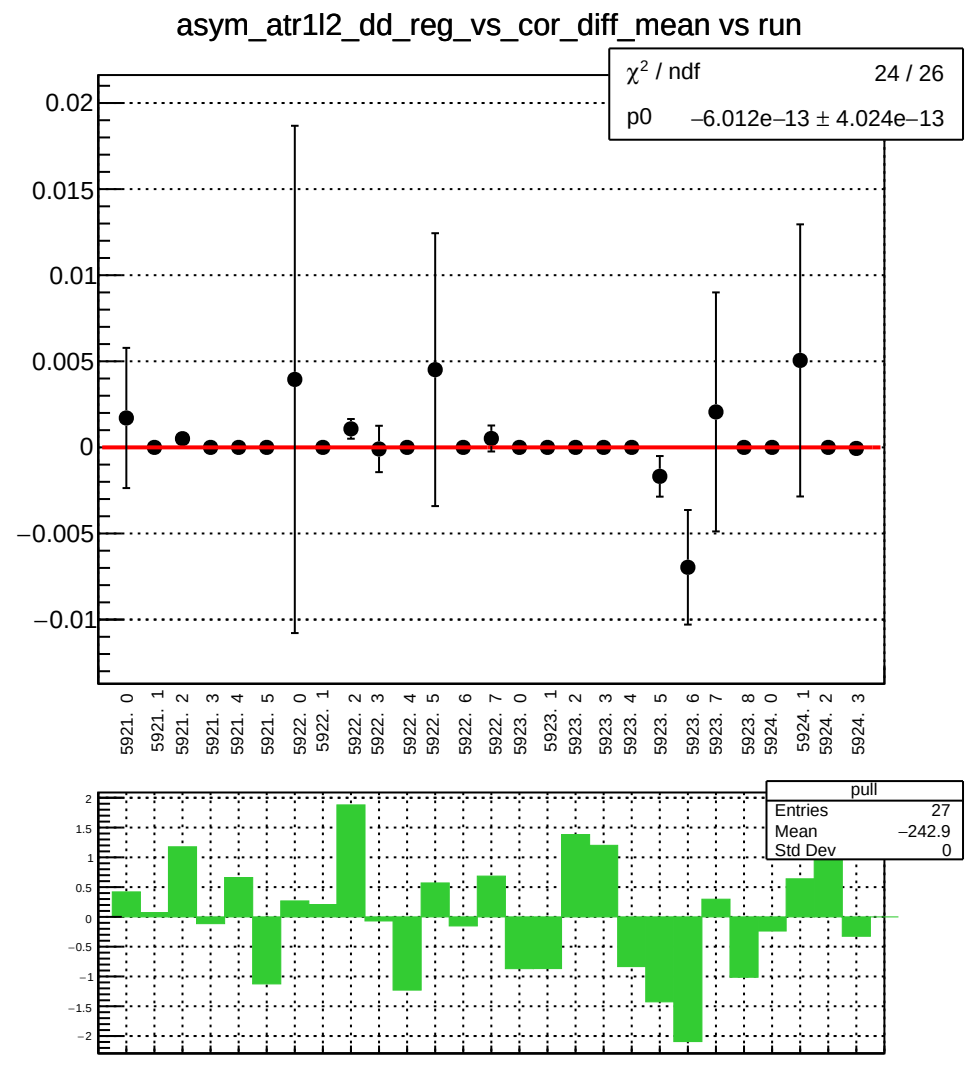

asym_atr1l2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 28.67 / 26
p0 −4518 ± 5509
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 1117
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.0007546
Std Dev 1.03
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

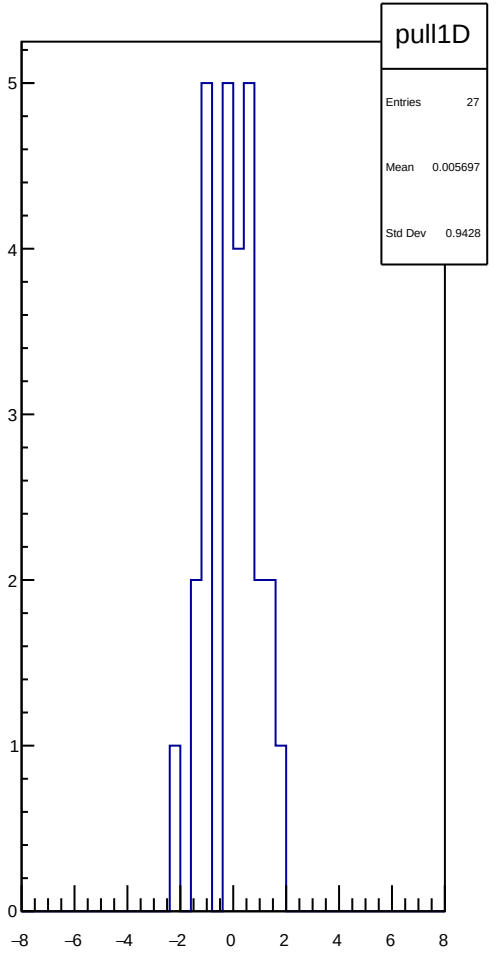

asym_atr1l2_dd_eigen_dit_correction_rms vs run
χ² / ndf 3421 / 26
p0 2792 ± 3.895
3400
3200
3000
2800
2600
2400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

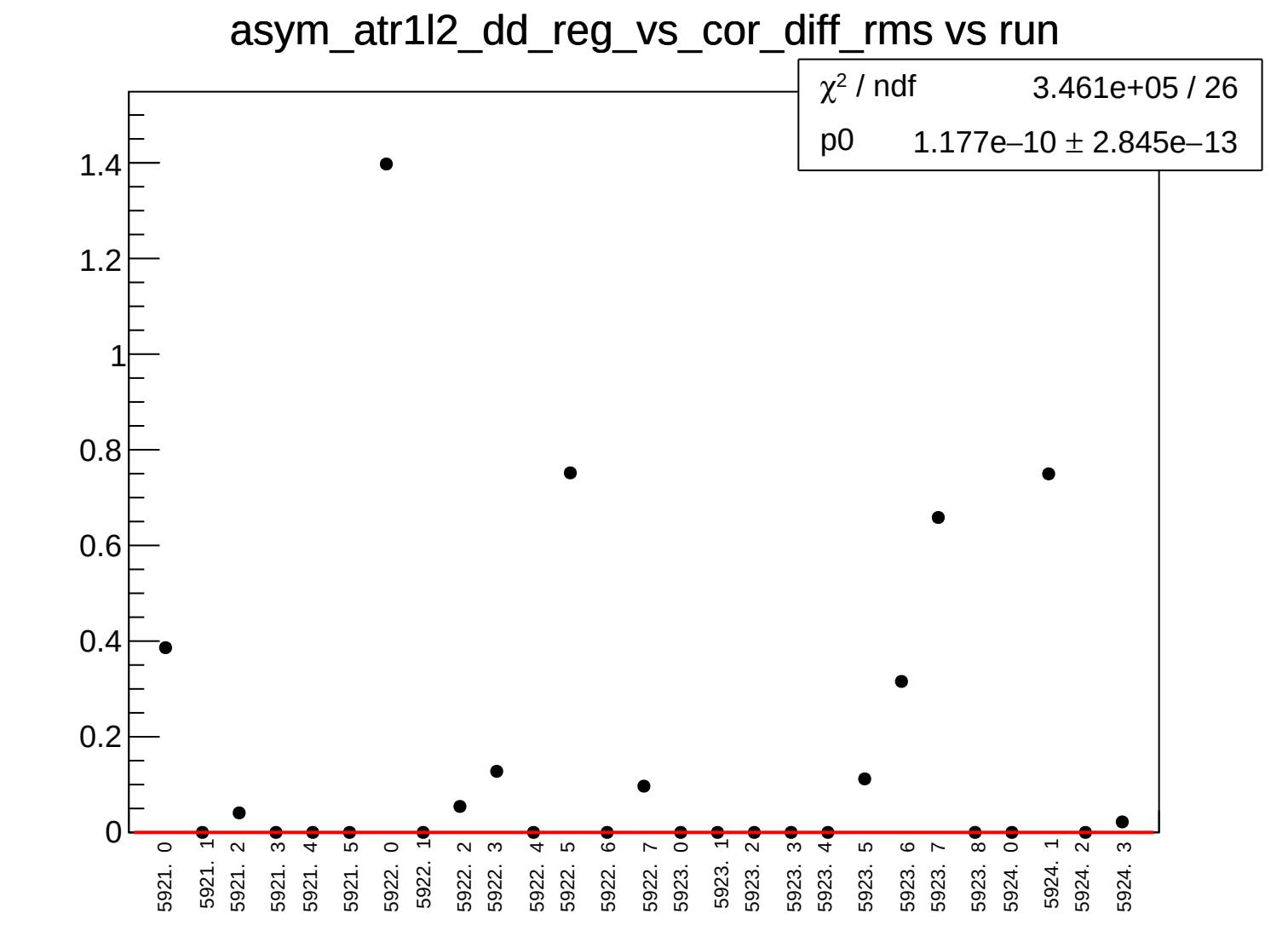

asym_atr1l2_dd_mean vs run
×10^3
χ^2 / ndf 21.4 / 26
p0 5916 ± 6577
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 140.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

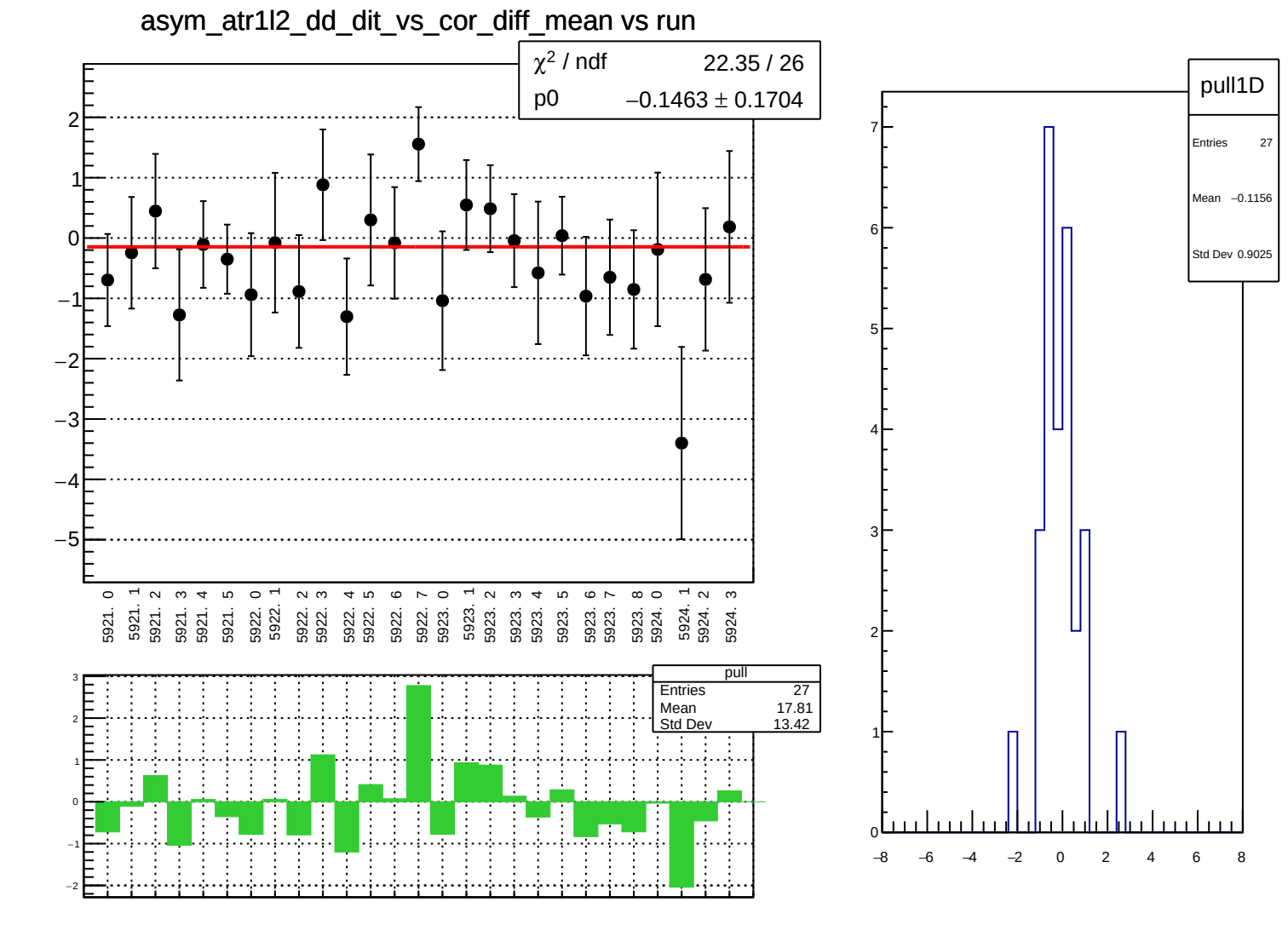

pull1D
Entries 27
Mean −0.004458
Std Dev 0.8902
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

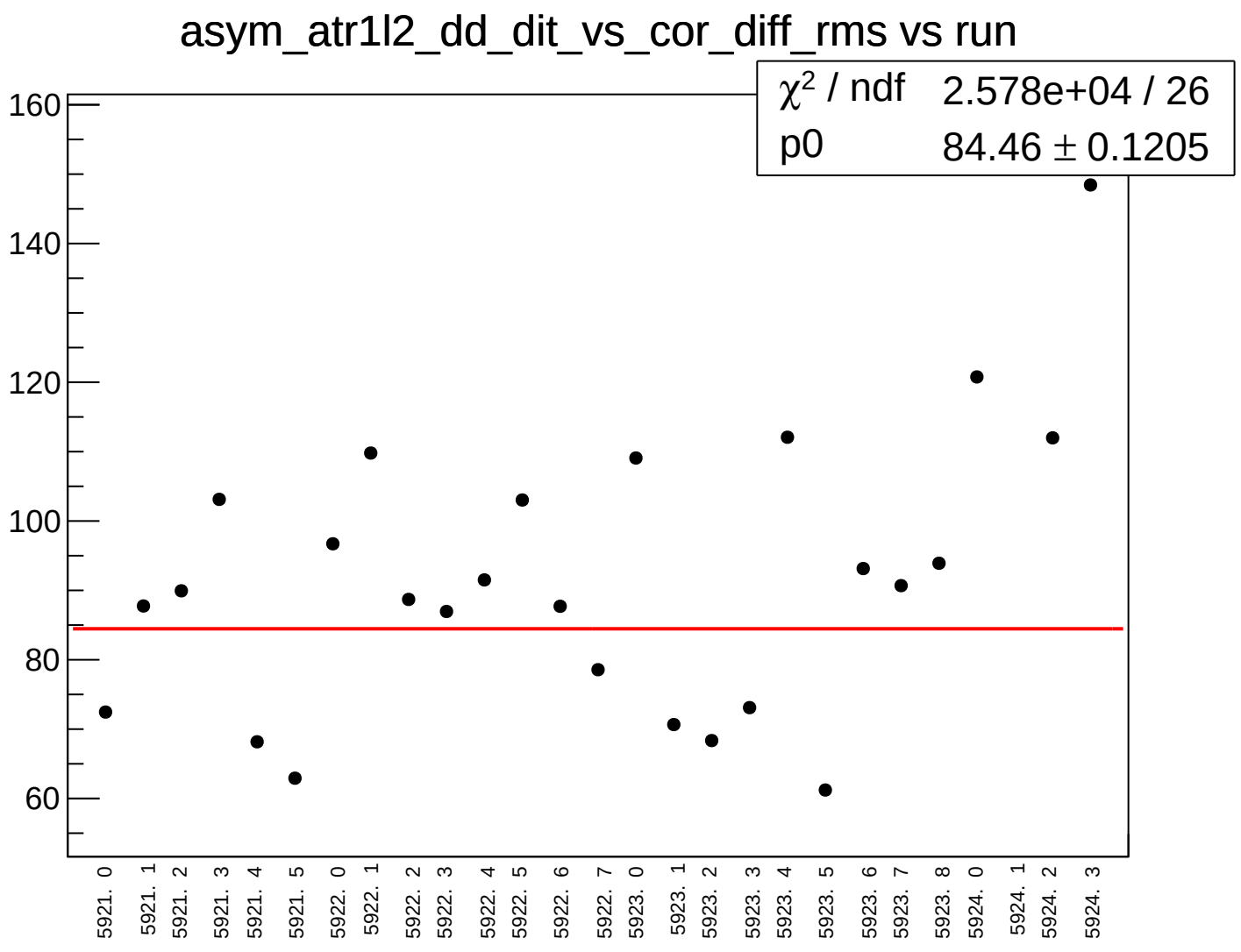

asym_atr1l2_dd_rms vs run
χ² / ndf 1582 / 26
p0 3339 ± 4.651
3800
3700
3600
3500
3400
3300
3200
3100
3000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

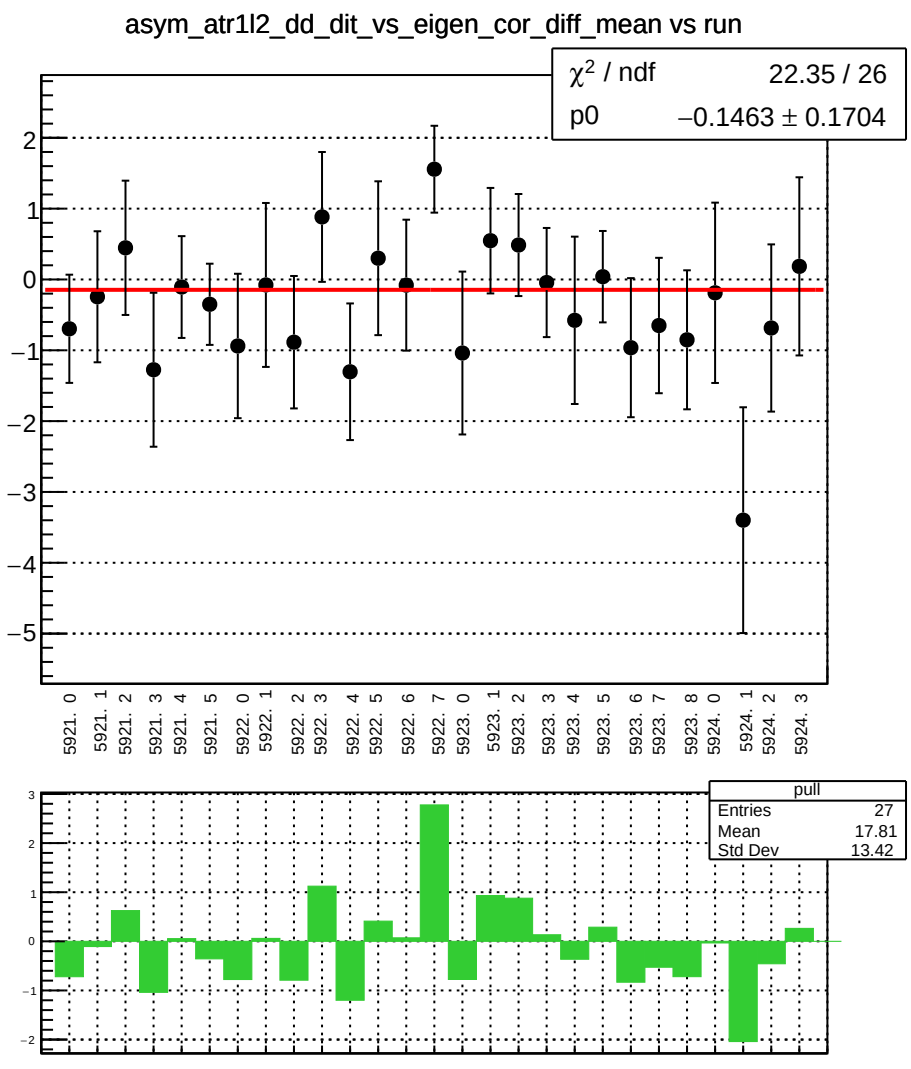

asym_atr1l2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 24 / 26
p0 −6.012e−13 ± 4.024e−13
0.02
0.015
0.01
0.005
0
−0.005
−0.01
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −242.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

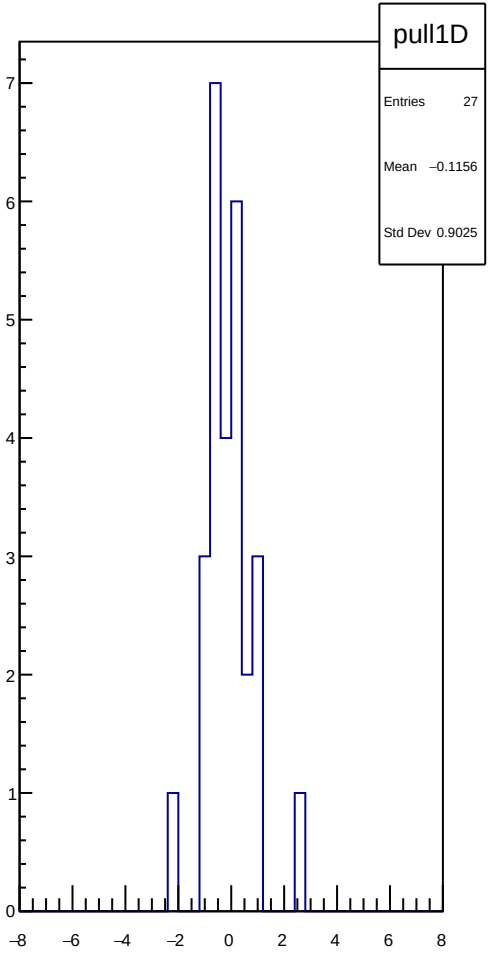

pull1D
Entries 27
Mean 0.005697
Std Dev 0.9428
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

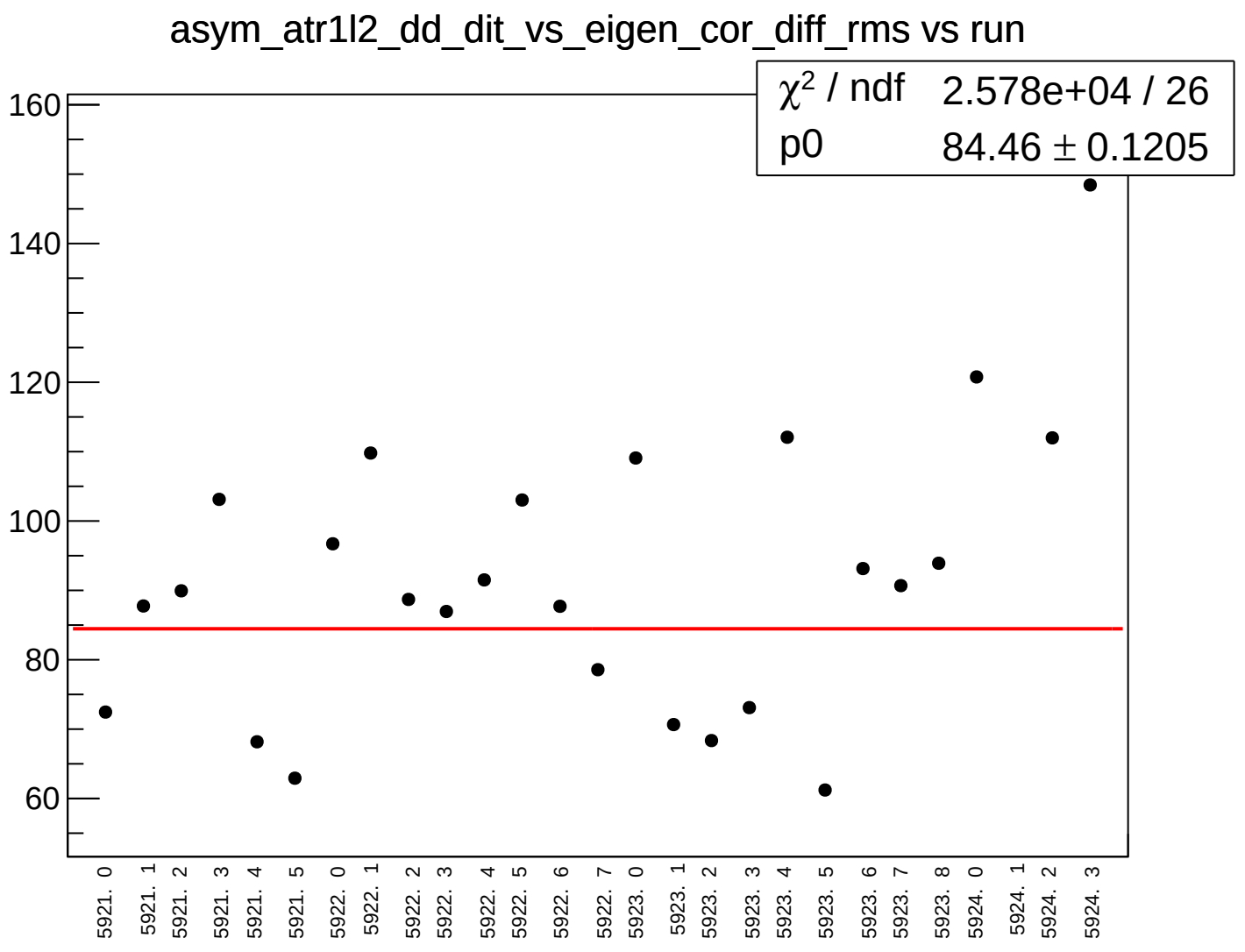

asym_atr1l2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.461e+05 / 26
p0 1.177e−10 ± 2.845e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

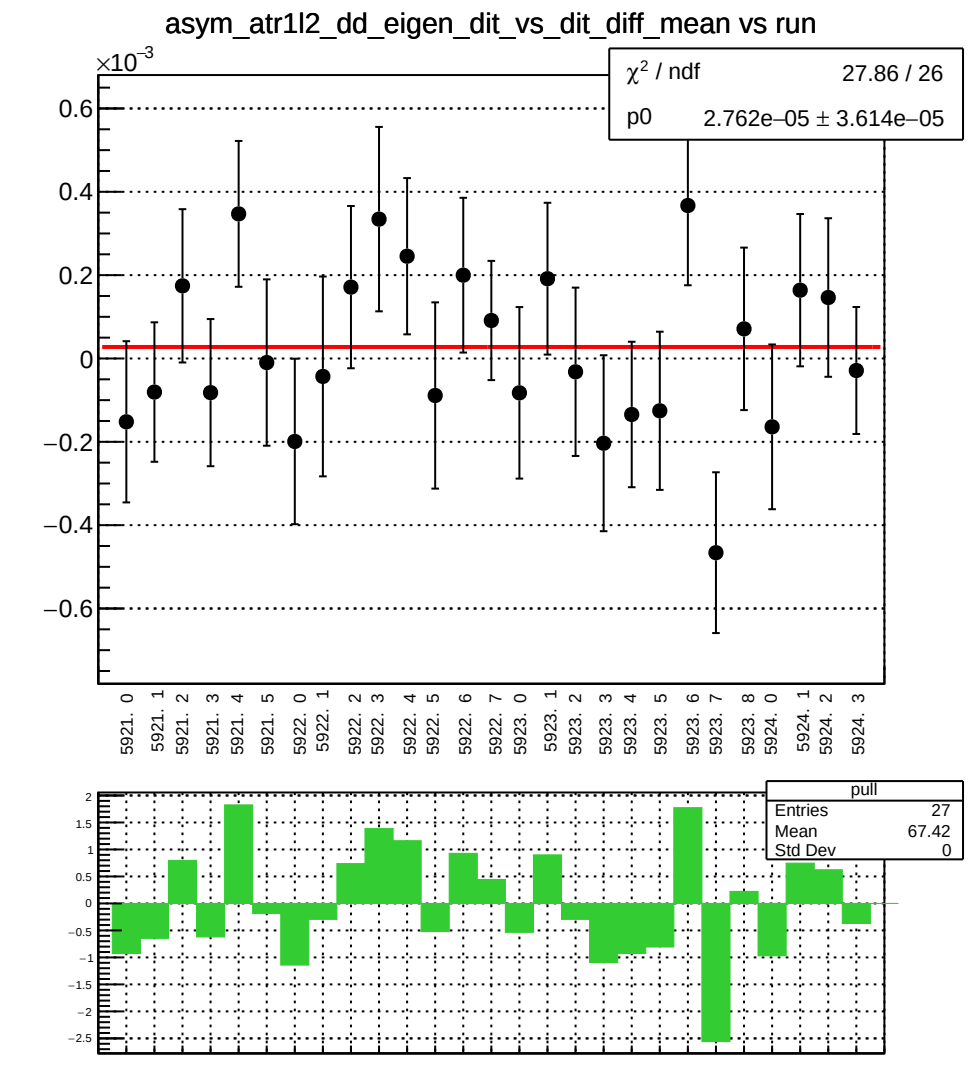

asym_atr1l2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 22.35 / 26
p0 −0.1463 ± 0.1704
pull
Entries 27
Mean 17.81
Std Dev 13.42
pull1D
Entries 27
Mean −0.1156
Std Dev 0.9025

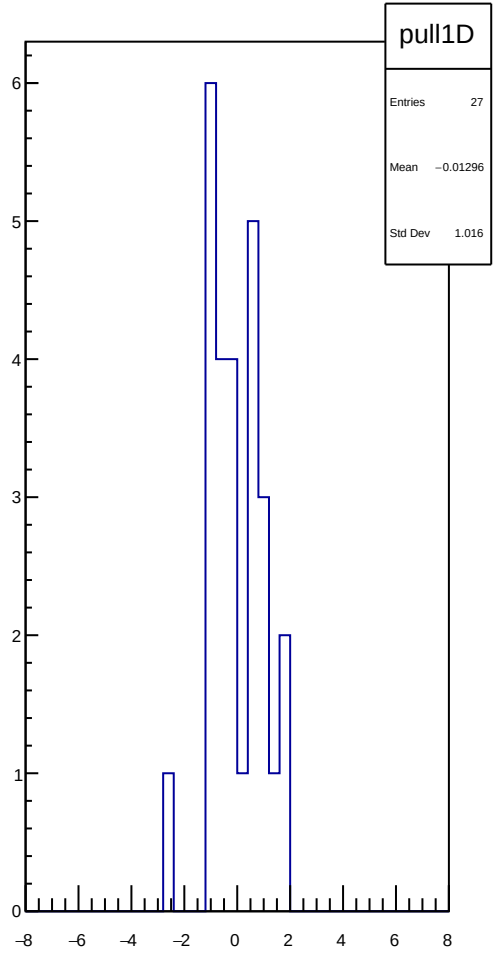

asym_atr1l2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.578e+04 / 26
p0 84.46 ± 0.1205
160
140
120
100
80
60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

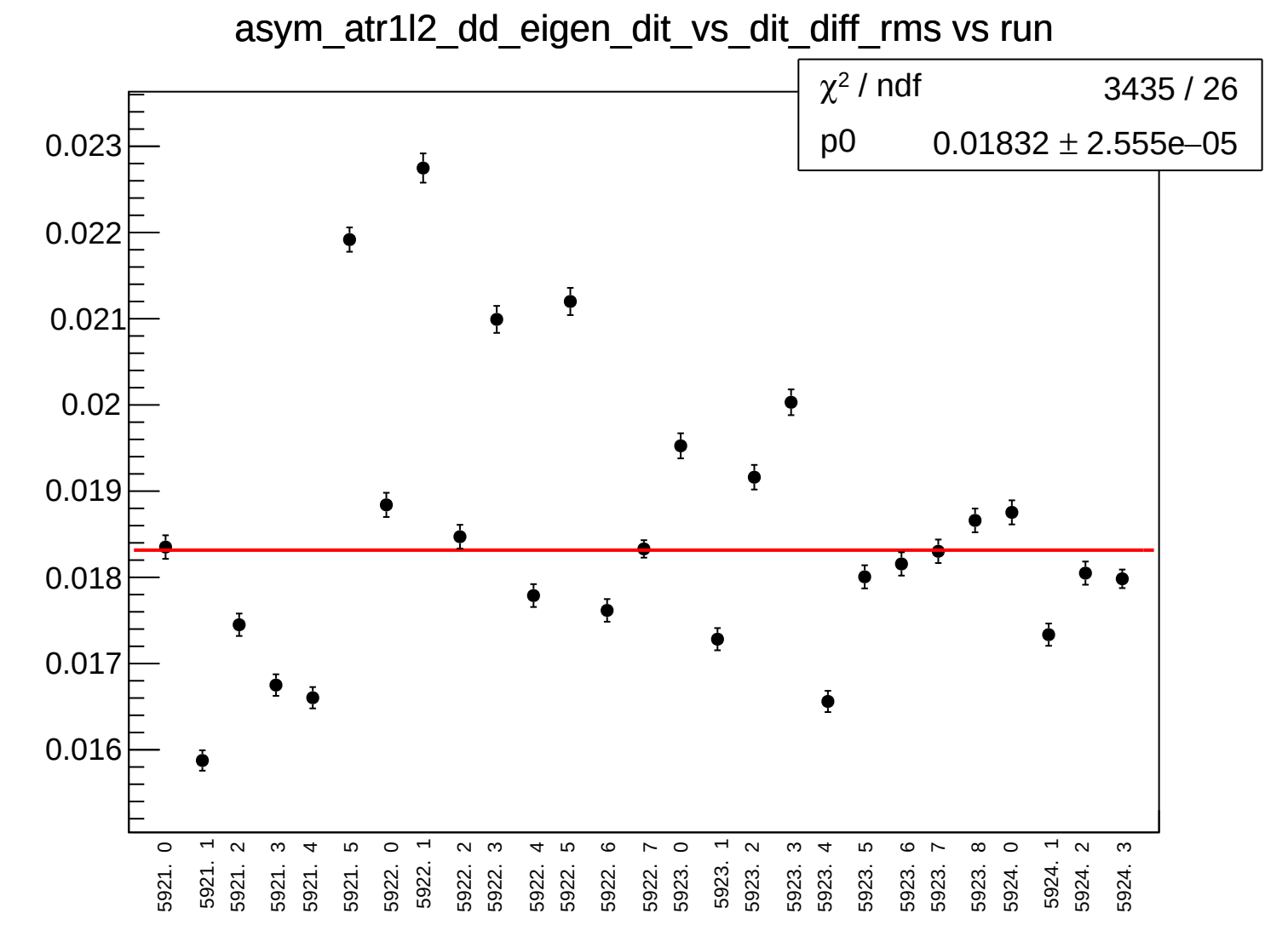

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 22.35 / 26
p0 −0.1463 ± 0.1704
2
1
0
−1
−2
−3
−4
−5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 17.81
Std Dev 13.42
3
2
1
0
−1
−2

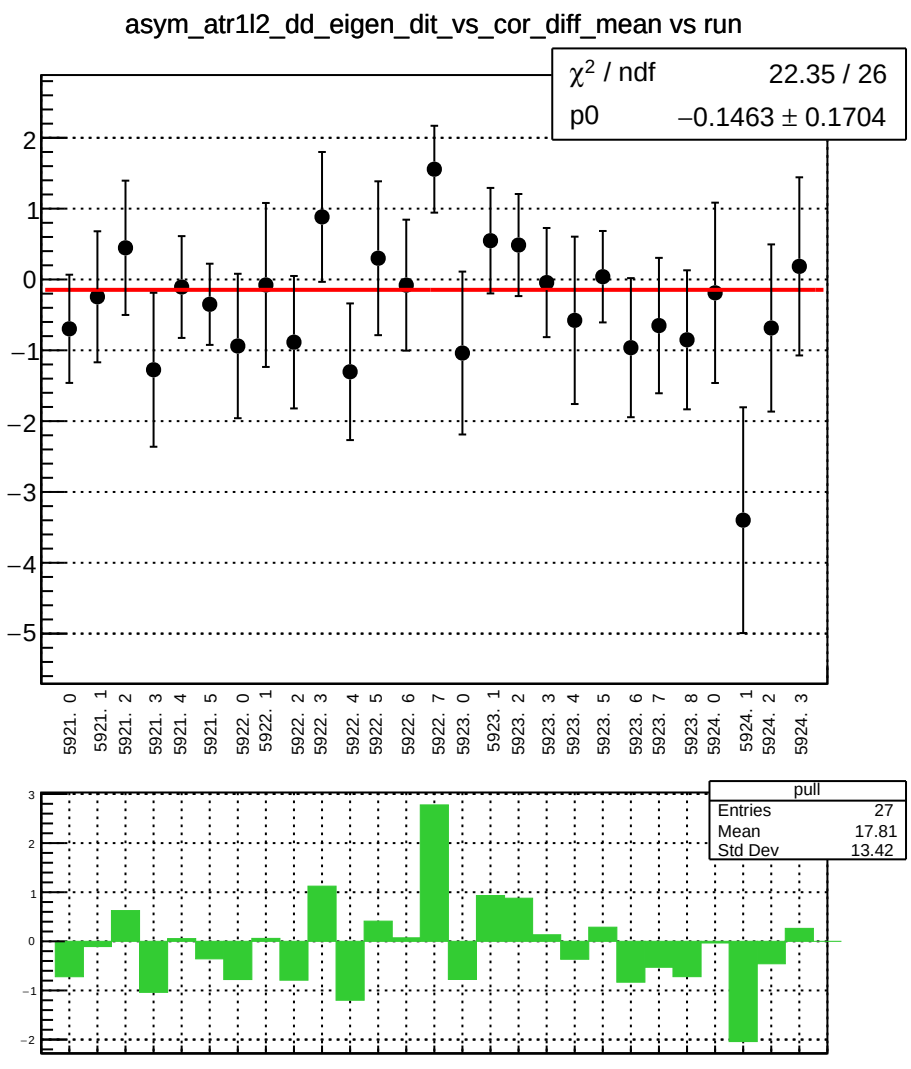

pull1D
Entries 27
Mean −0.1156
Std Dev 0.9025
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

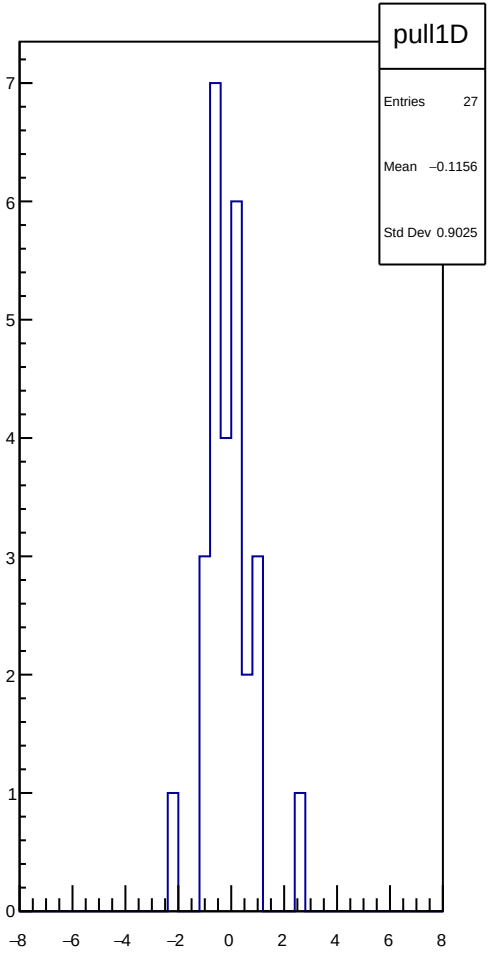

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.578e+04 / 26
p0 84.46 ± 0.1205
160
140
120
100
80
60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

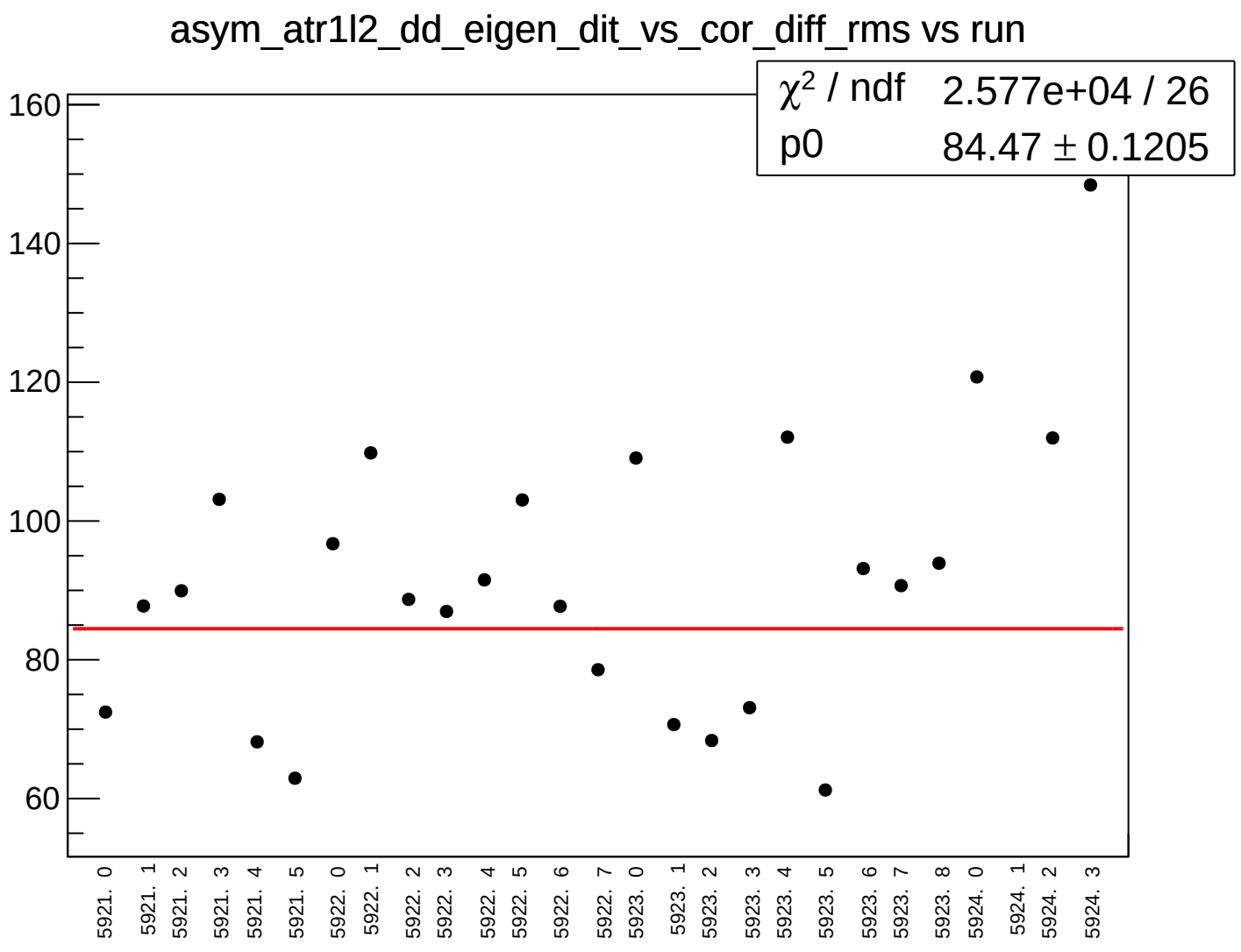

asym_atr1l2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 27.86 / 26
p0 2.762e−05 ± 3.614e−05
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 67.42
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

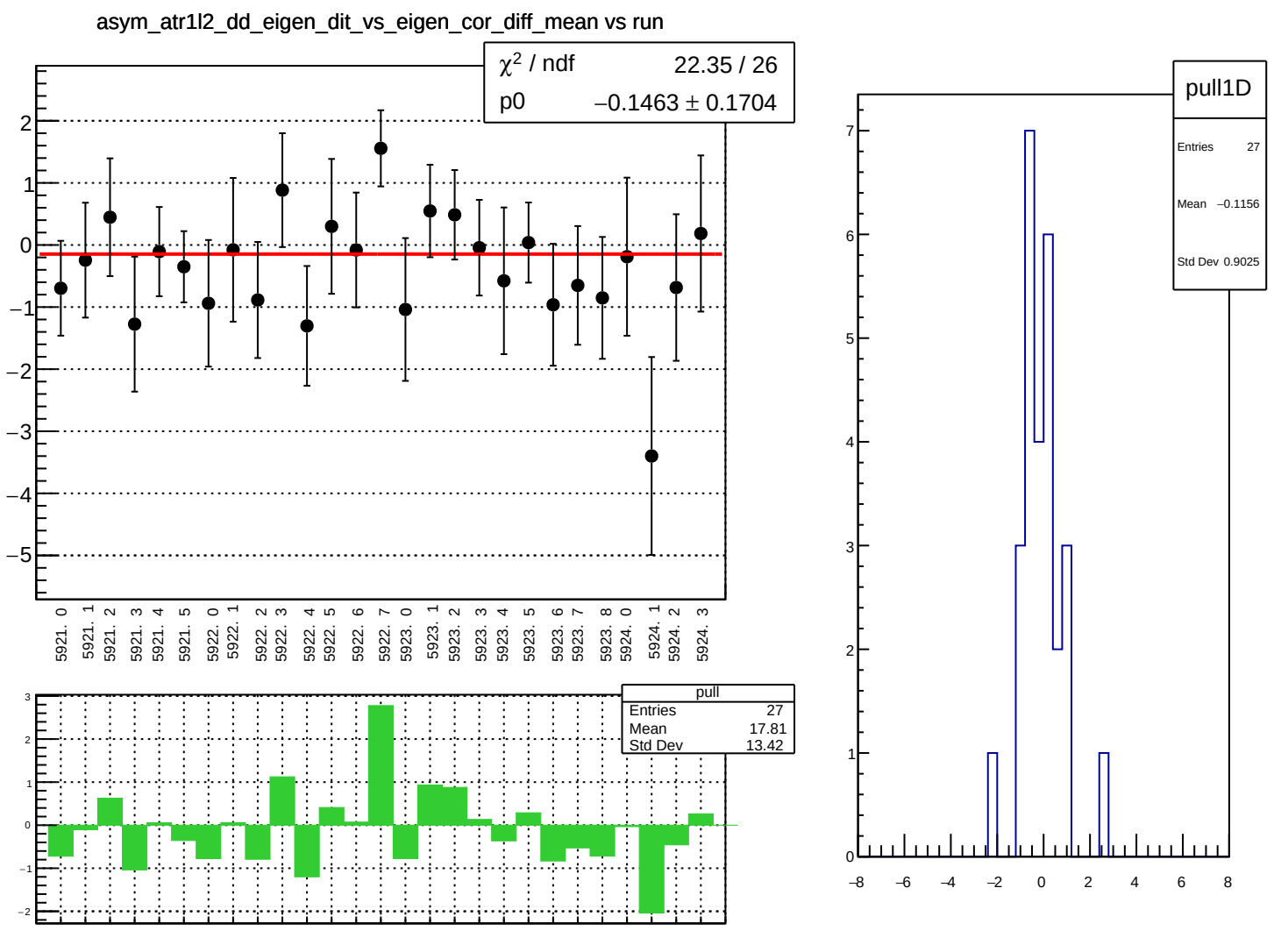

pull1D
Entries 27
Mean −0.01296
Std Dev 1.016
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

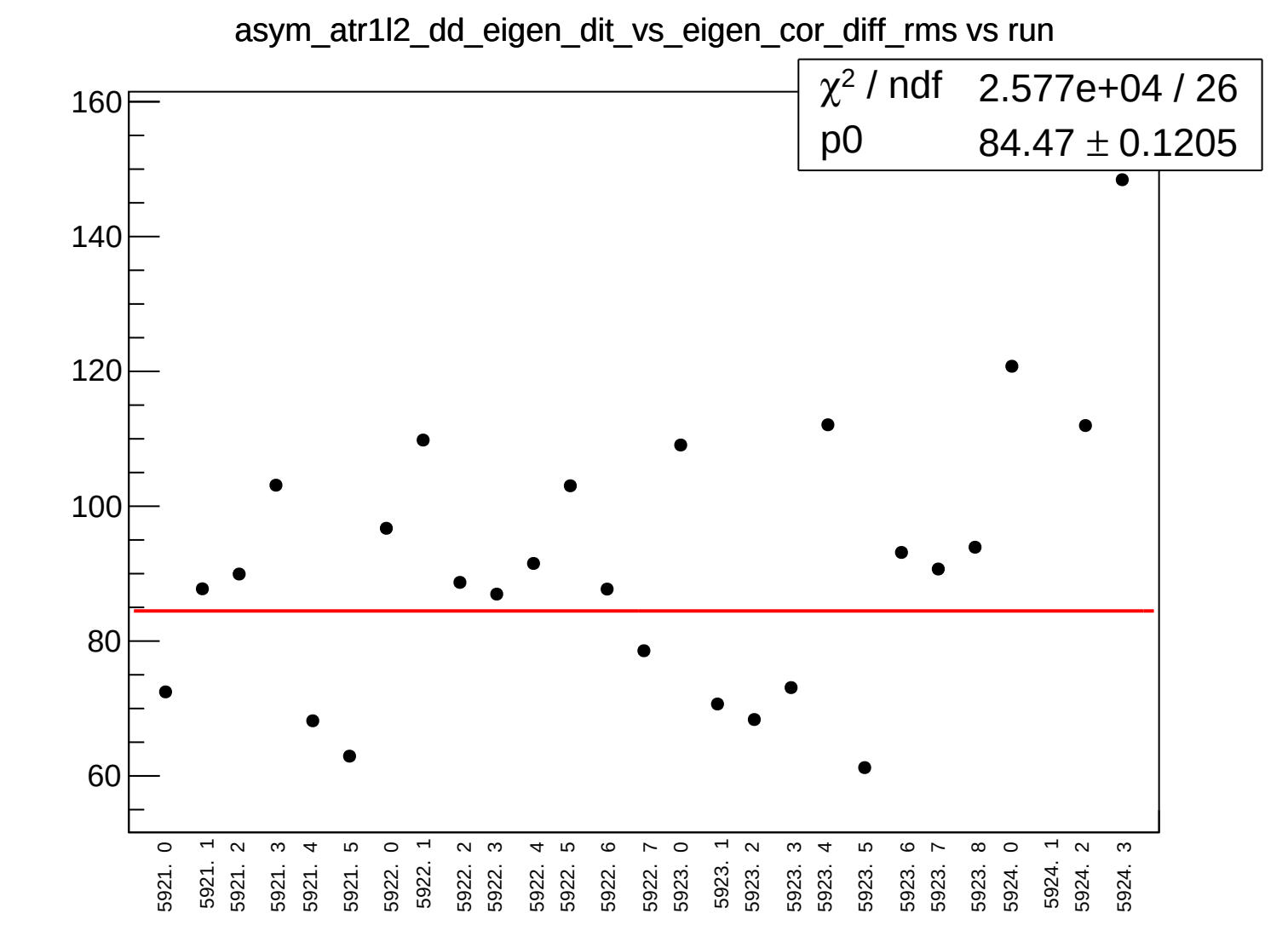

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3435 / 26
p0 0.01832 ± 2.555e−05
0.023
0.022
0.021
0.02
0.019
0.018
0.017
0.016
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

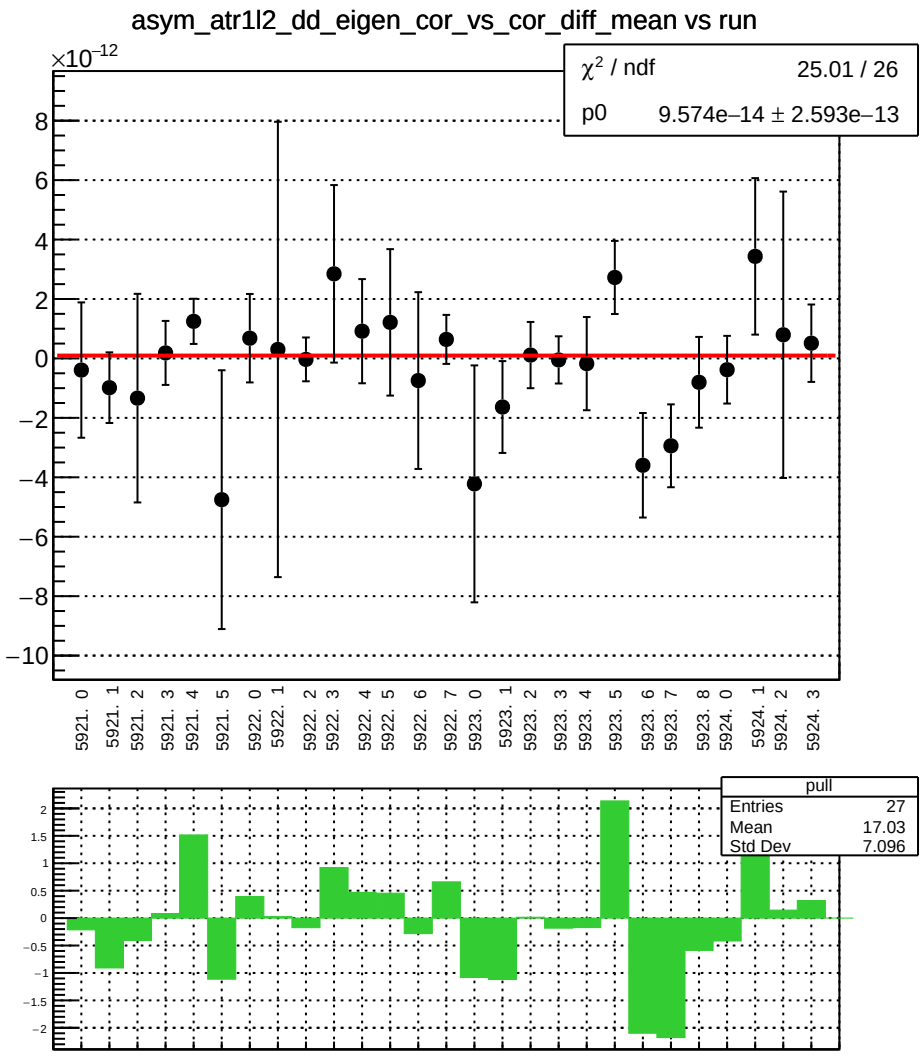

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 22.35 / 26
p0 −0.1463 ± 0.1704
2
1
0
−1
−2
−3
−4
−5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 17.81
Std Dev 13.42
3
2
1
0
−1
−2

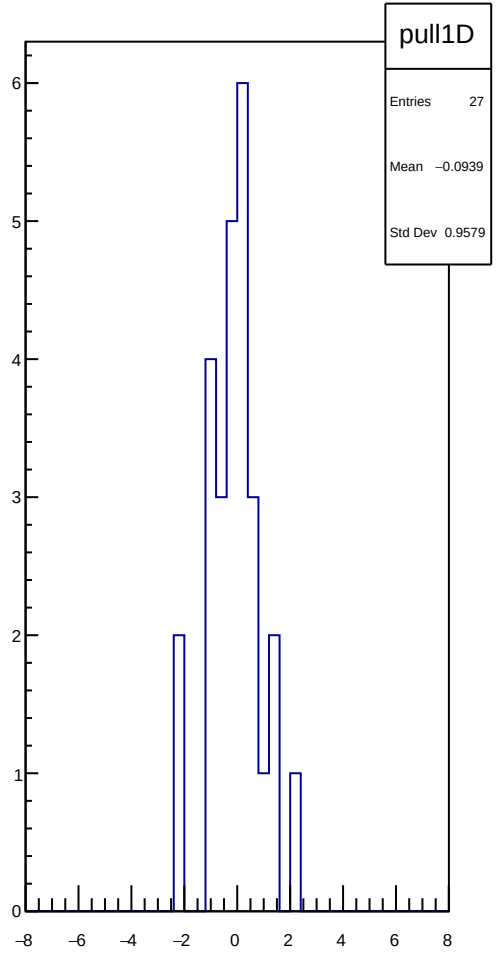

pull1D
Entries 27
Mean −0.1156
Std Dev 0.9025
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

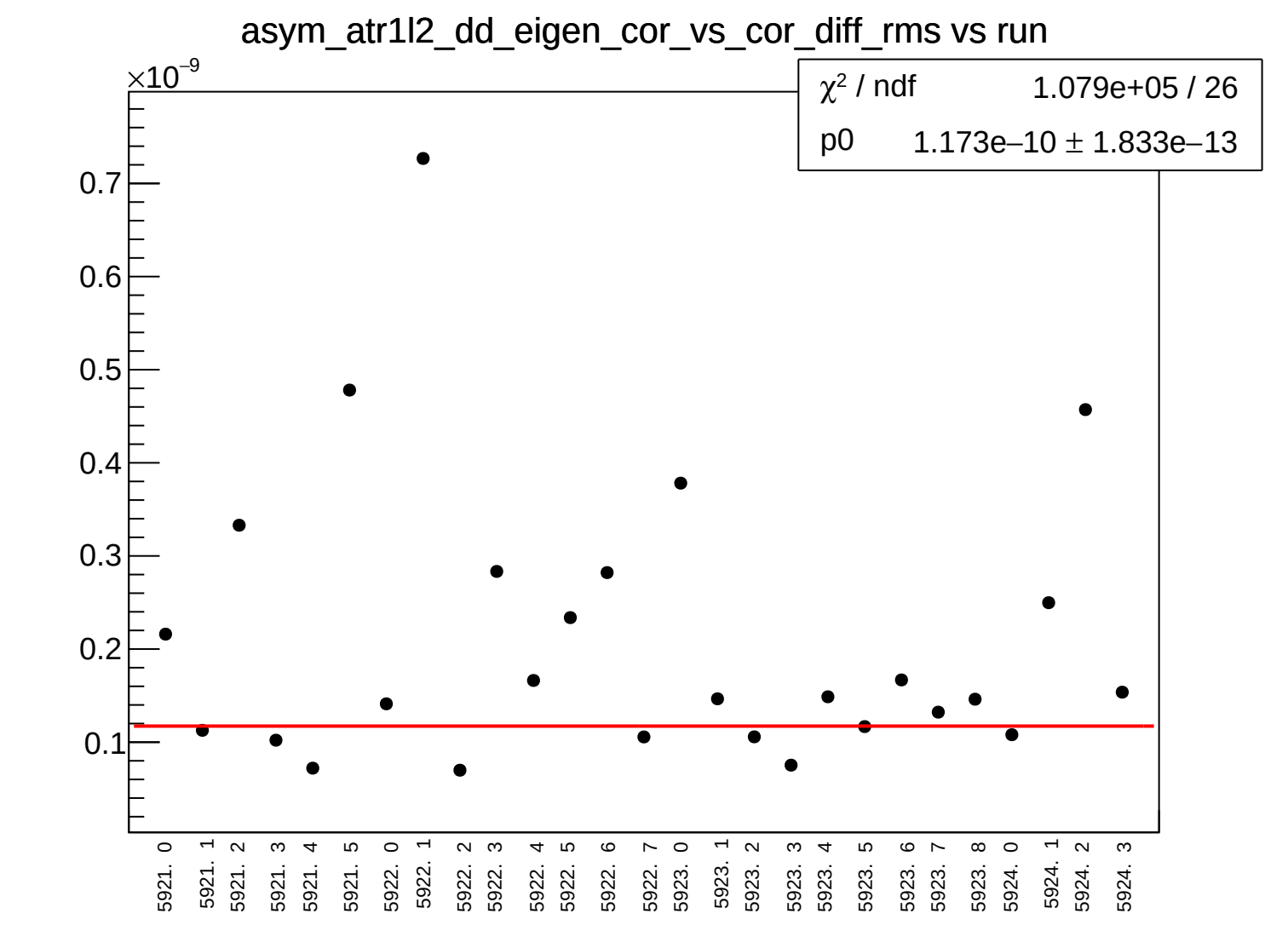

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.577e+04 / 26
p0 84.47 ± 0.1205
160
140
120
100
80
60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

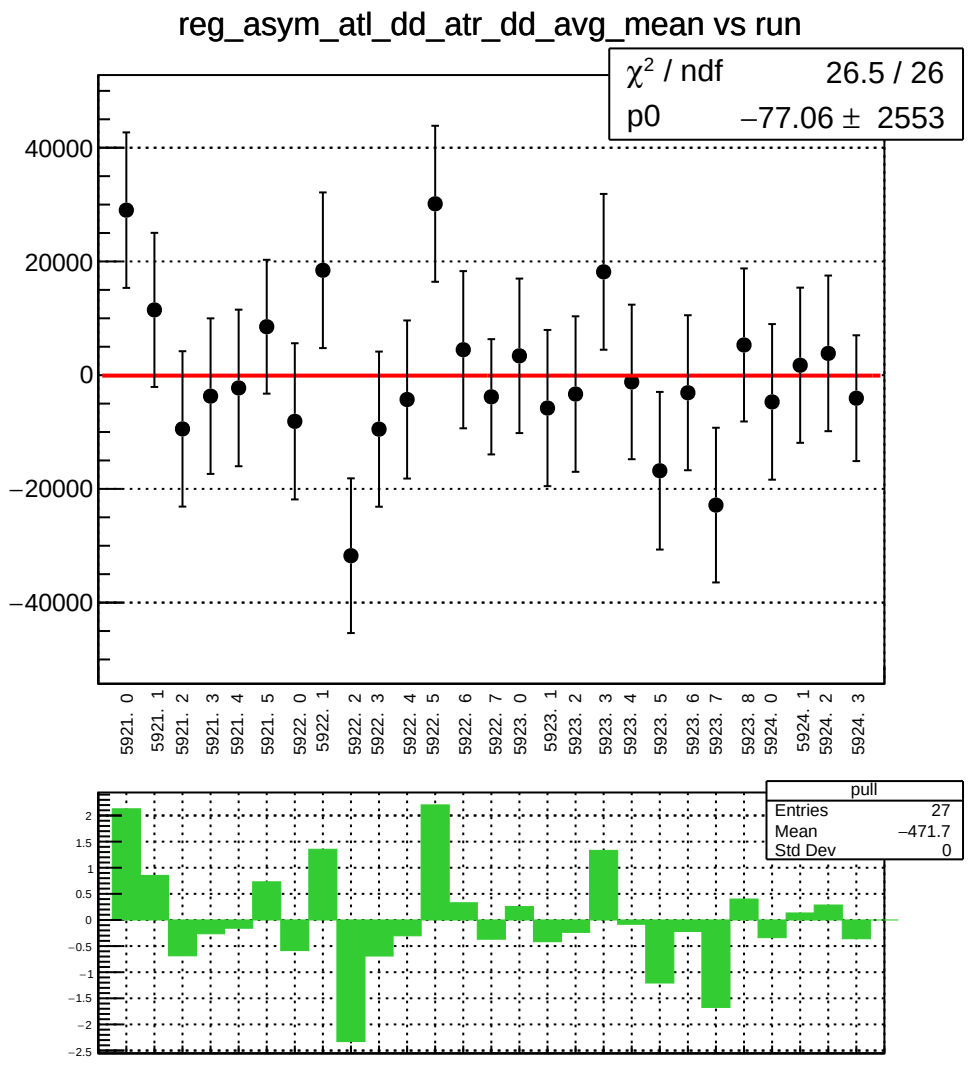

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 22.35 / 26
p0 −0.1463 ± 0.1704
pull
Entries 27
Mean 17.81
Std Dev 13.42
pull1D
Entries 27
Mean −0.1156
Std Dev 0.9025

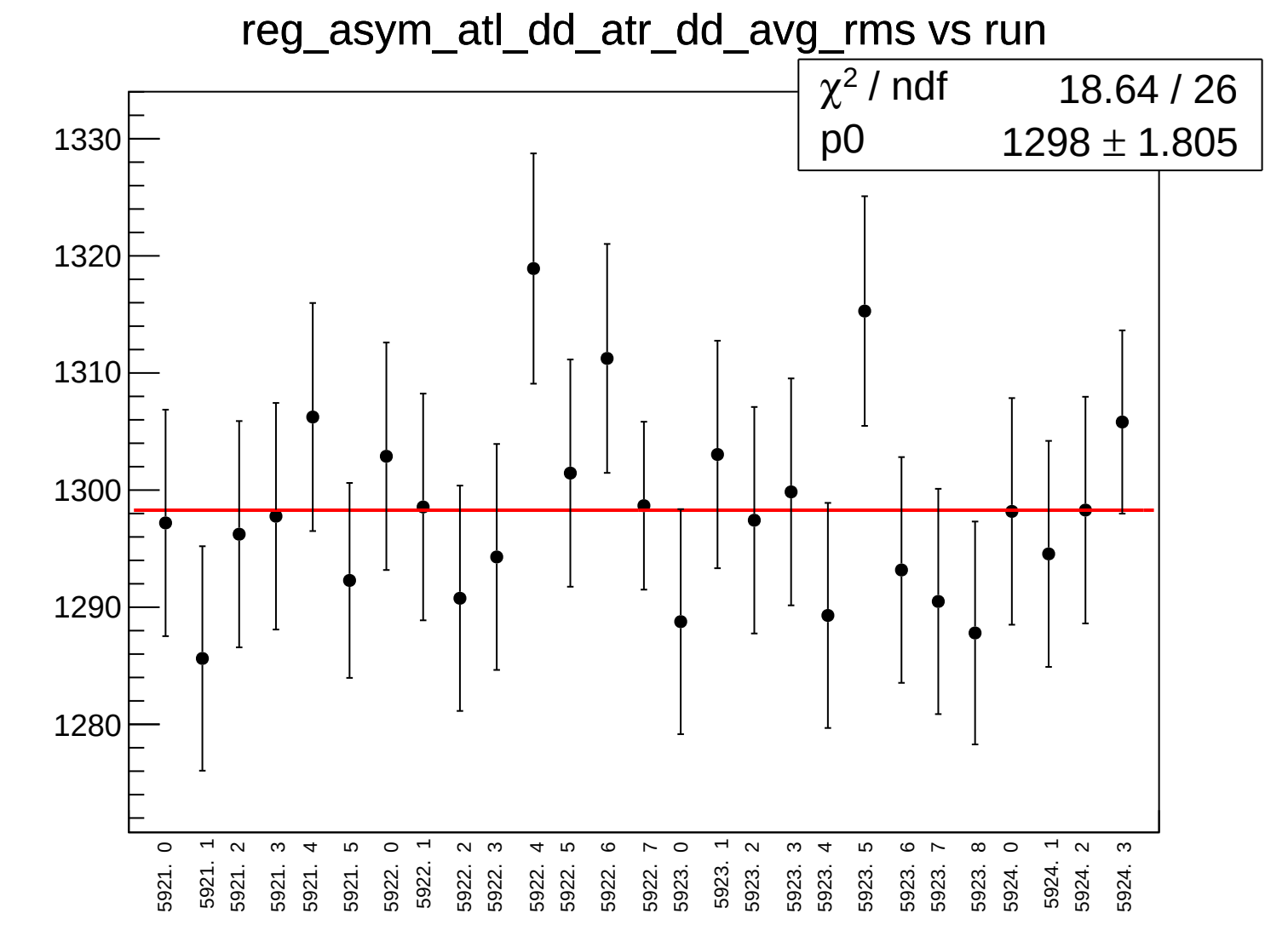

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.577e+04 / 26
p0 84.47 ± 0.1205
160
140
120
100
80
60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

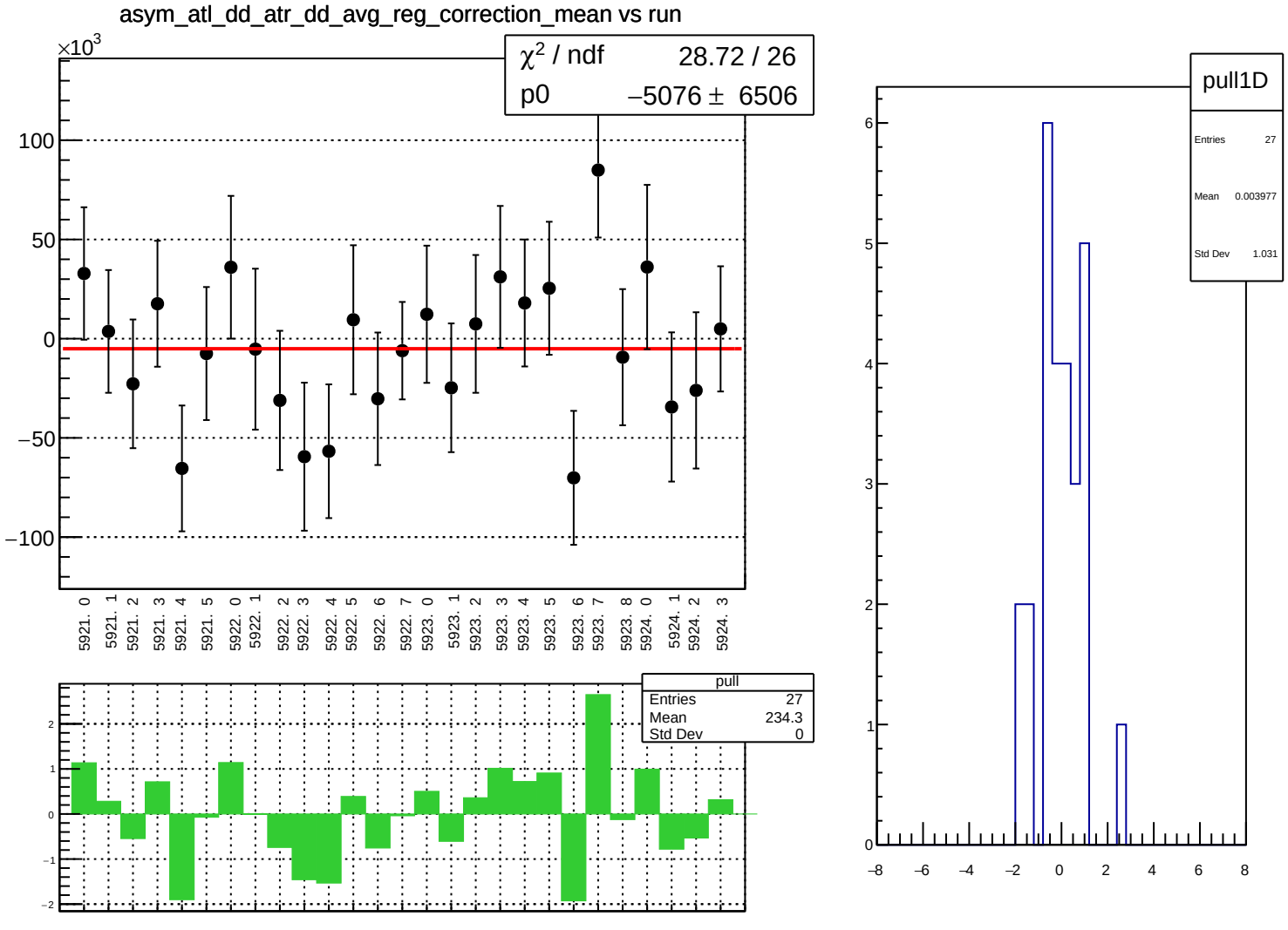

asym_atr1l2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 25.01 / 26
p0 9.574e−14 ± 2.593e−13
8
6
4
2
0
−2
−4
−6
−8
−10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 17.03
Std Dev 7.096
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

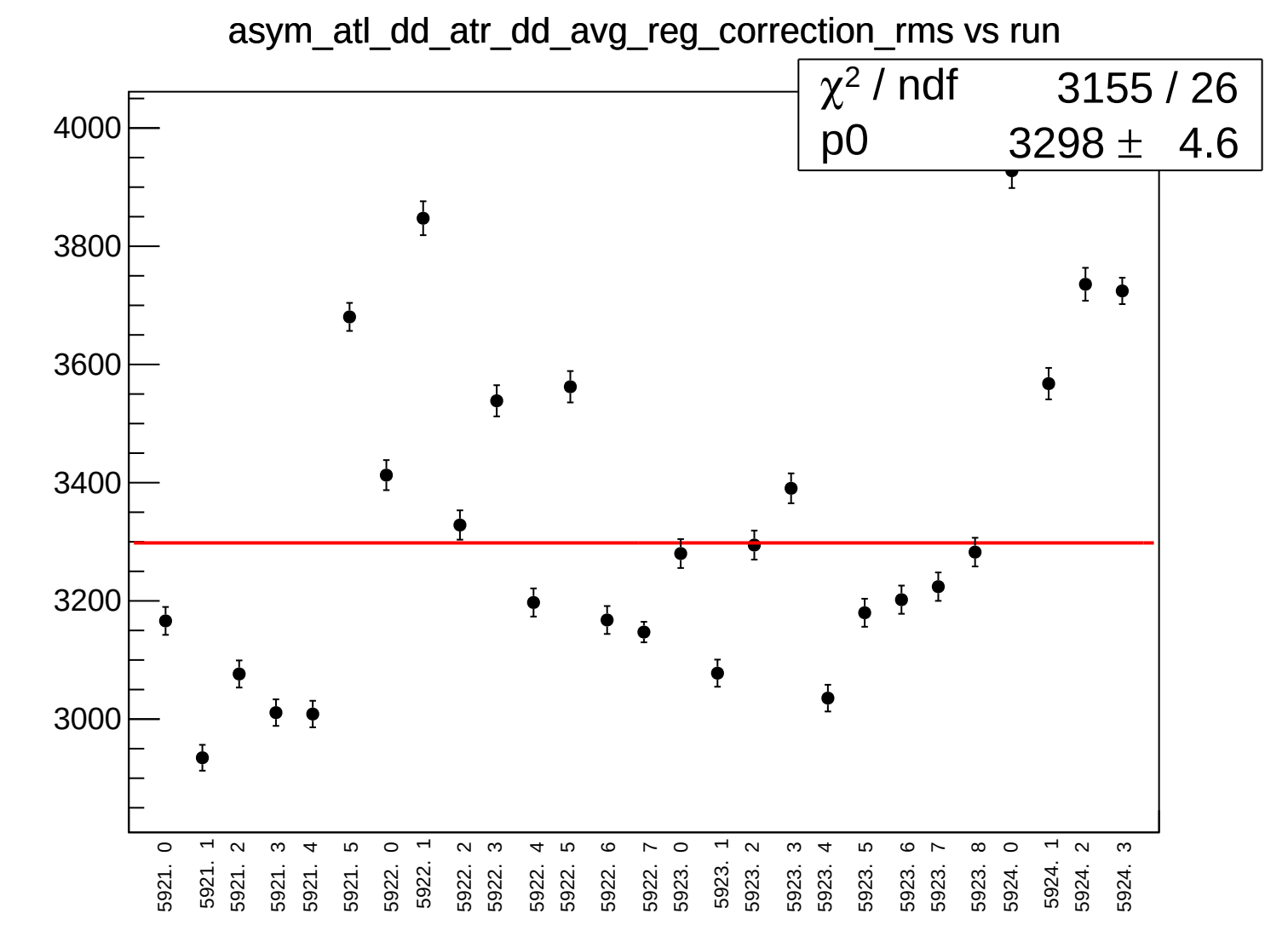

pull1D
Entries 27
Mean −0.0939
Std Dev 0.9579
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

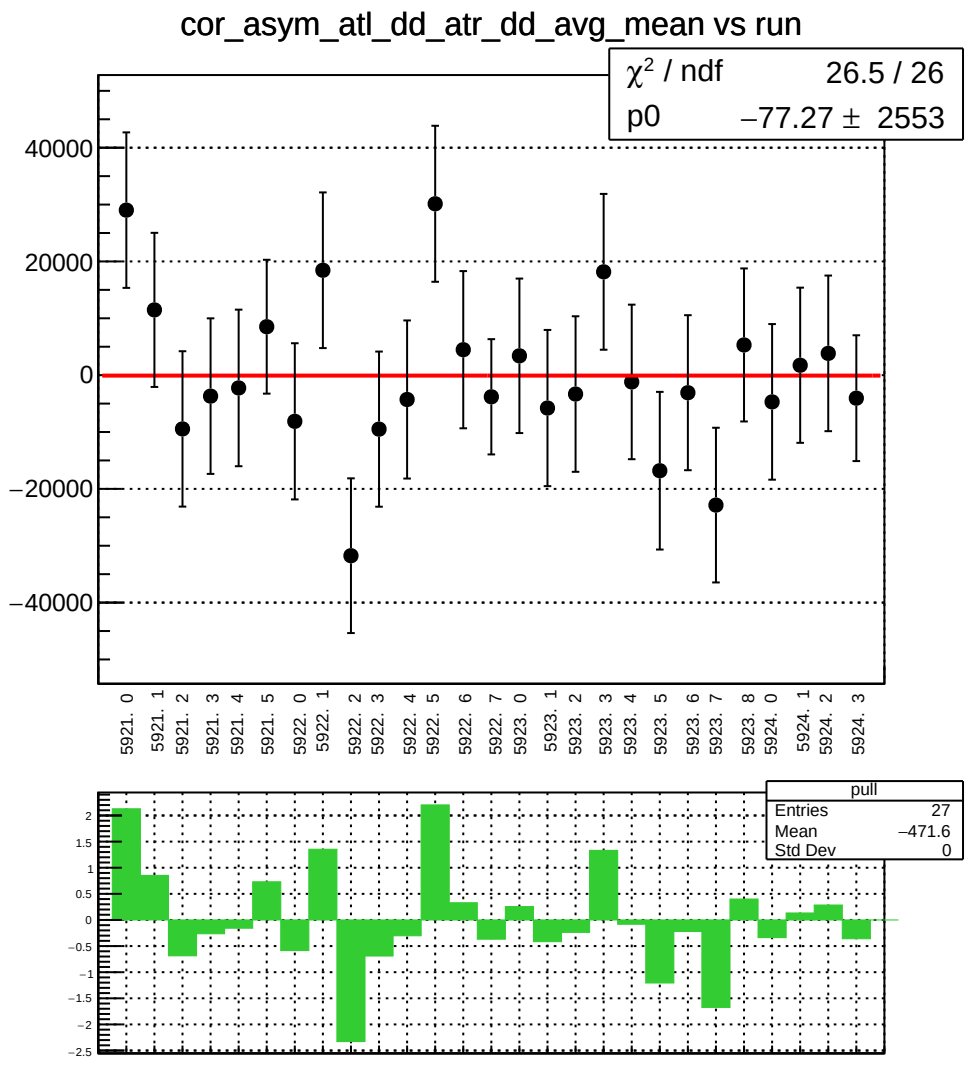

asym_atr1l2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.079e+05 / 26
p0 1.173e−10 ± 1.833e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

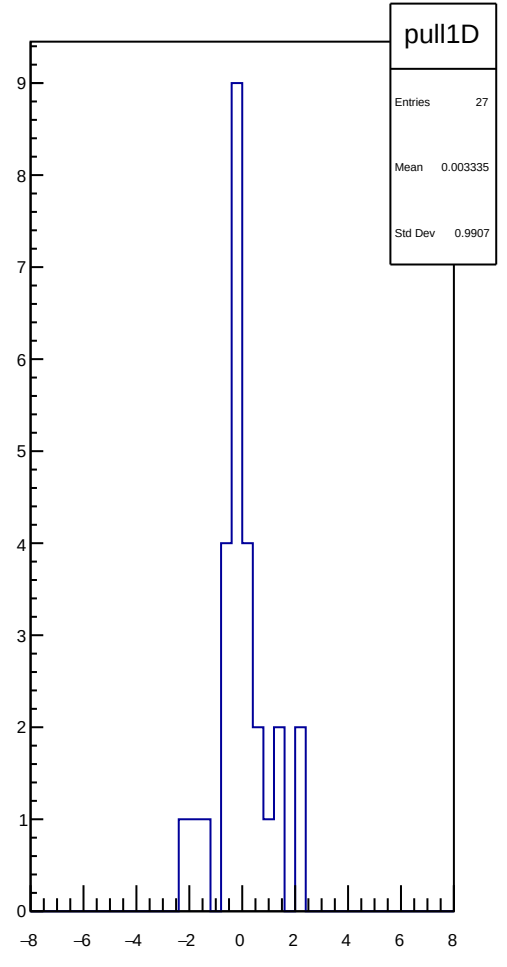

reg_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 26.5 / 26
p0 −77.06 ± 2553
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −471.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean 0.003334
Std Dev 0.9907
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

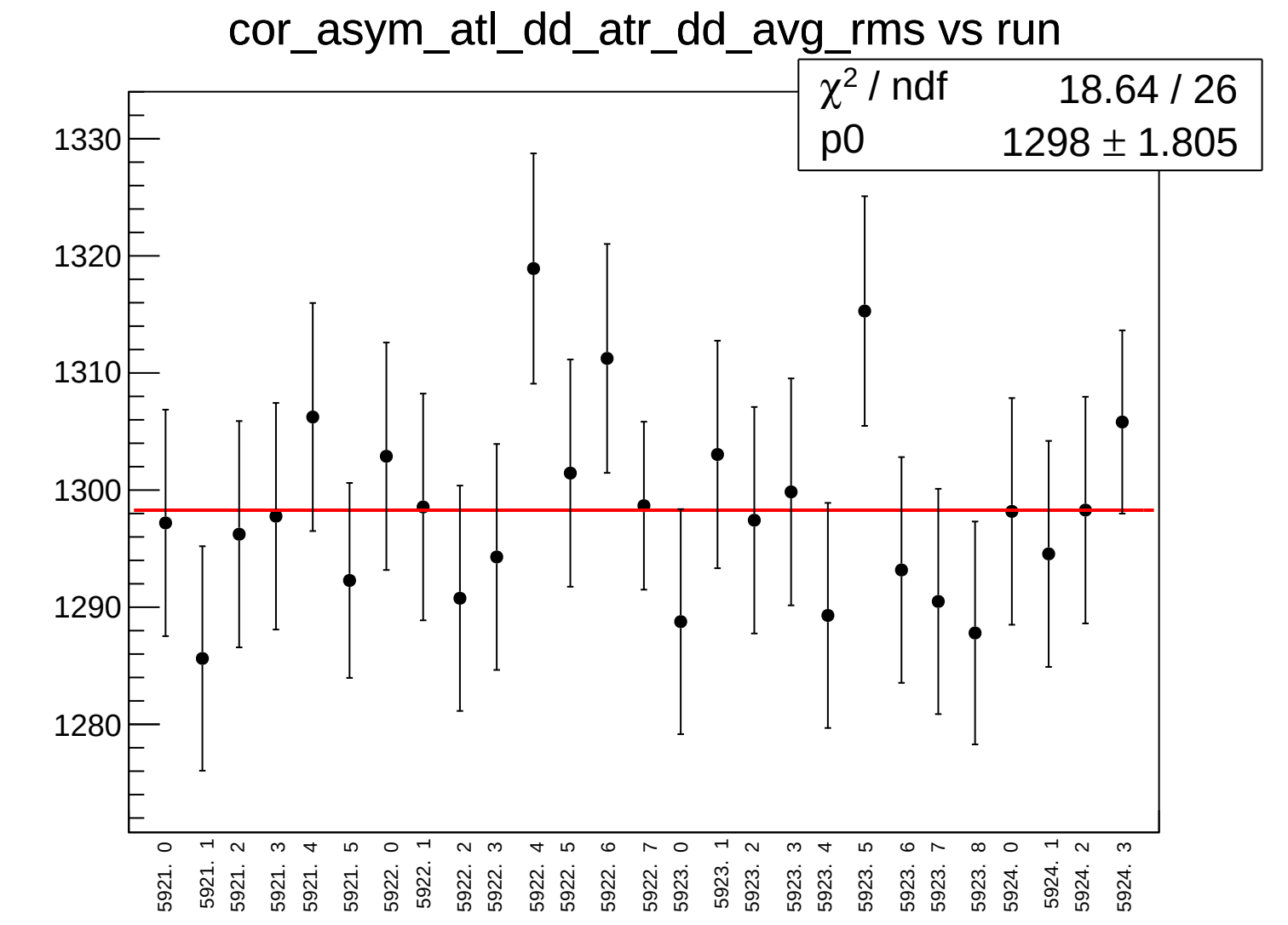

reg_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 18.64 / 26
p0 1298 ± 1.805
1330
1320
1310
1300
1290
1280
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

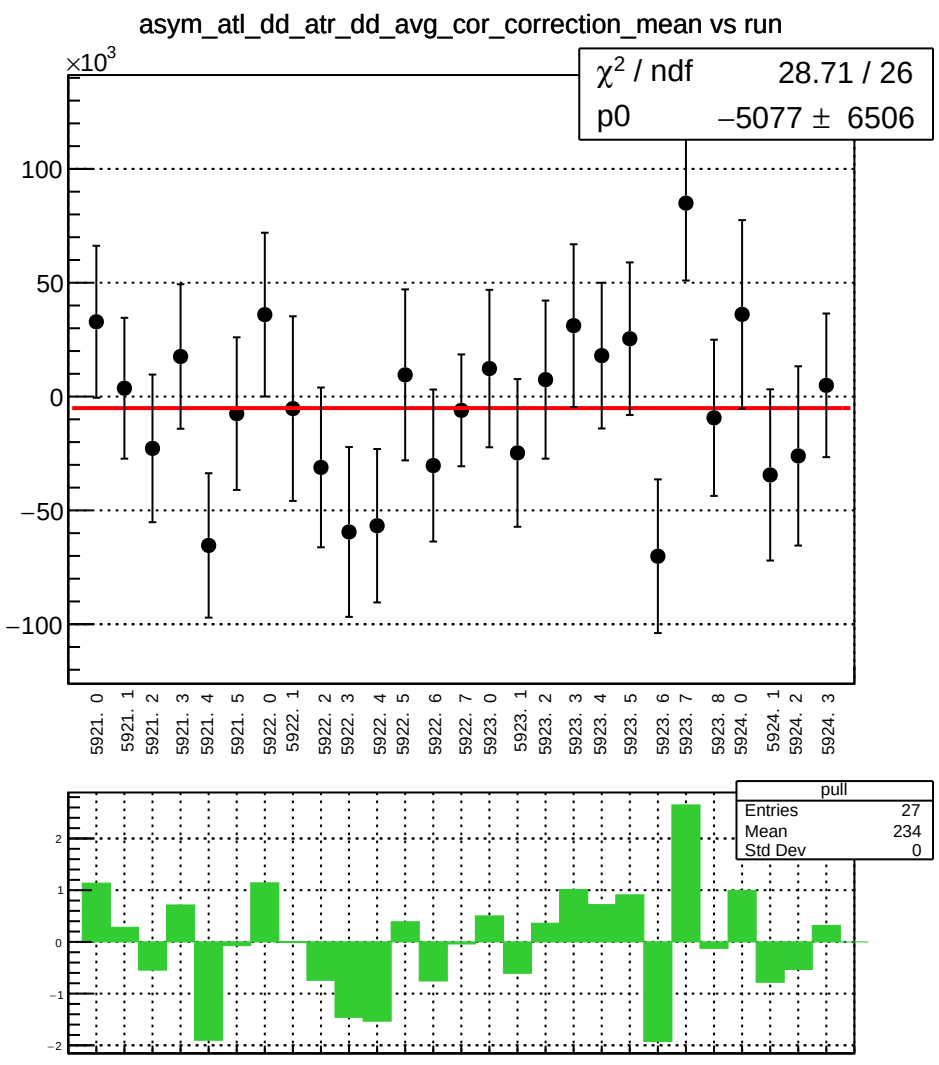

asym_atl_dd_atr_dd_avg_reg_correction_mean vs run
×10^3
χ² / ndf 28.72 / 26
p0 −5076 ± 6506
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 234.3
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.003977
Std Dev 1.031
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

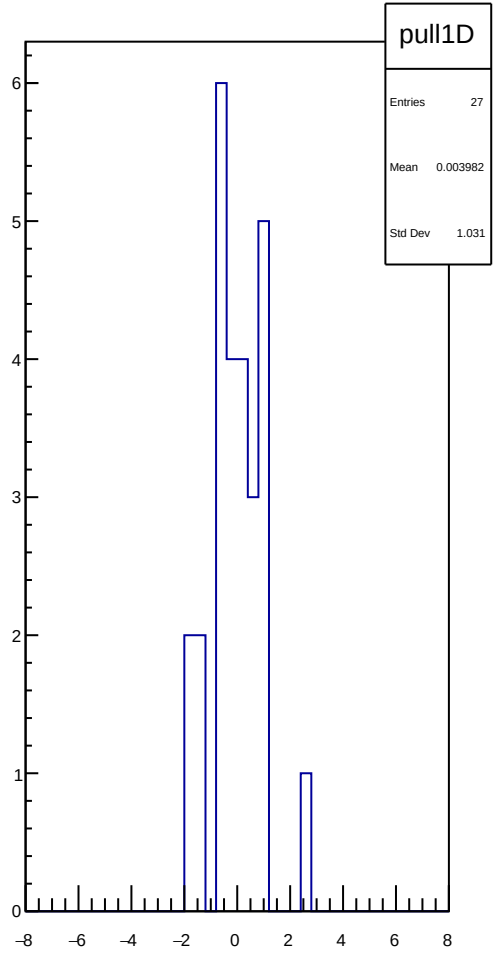

asym_atl_dd_atr_dd_avg_reg_correction_rms vs run
χ² / ndf 3155 / 26
p0 3298 ± 4.6
4000
3800
3600
3400
3200
3000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

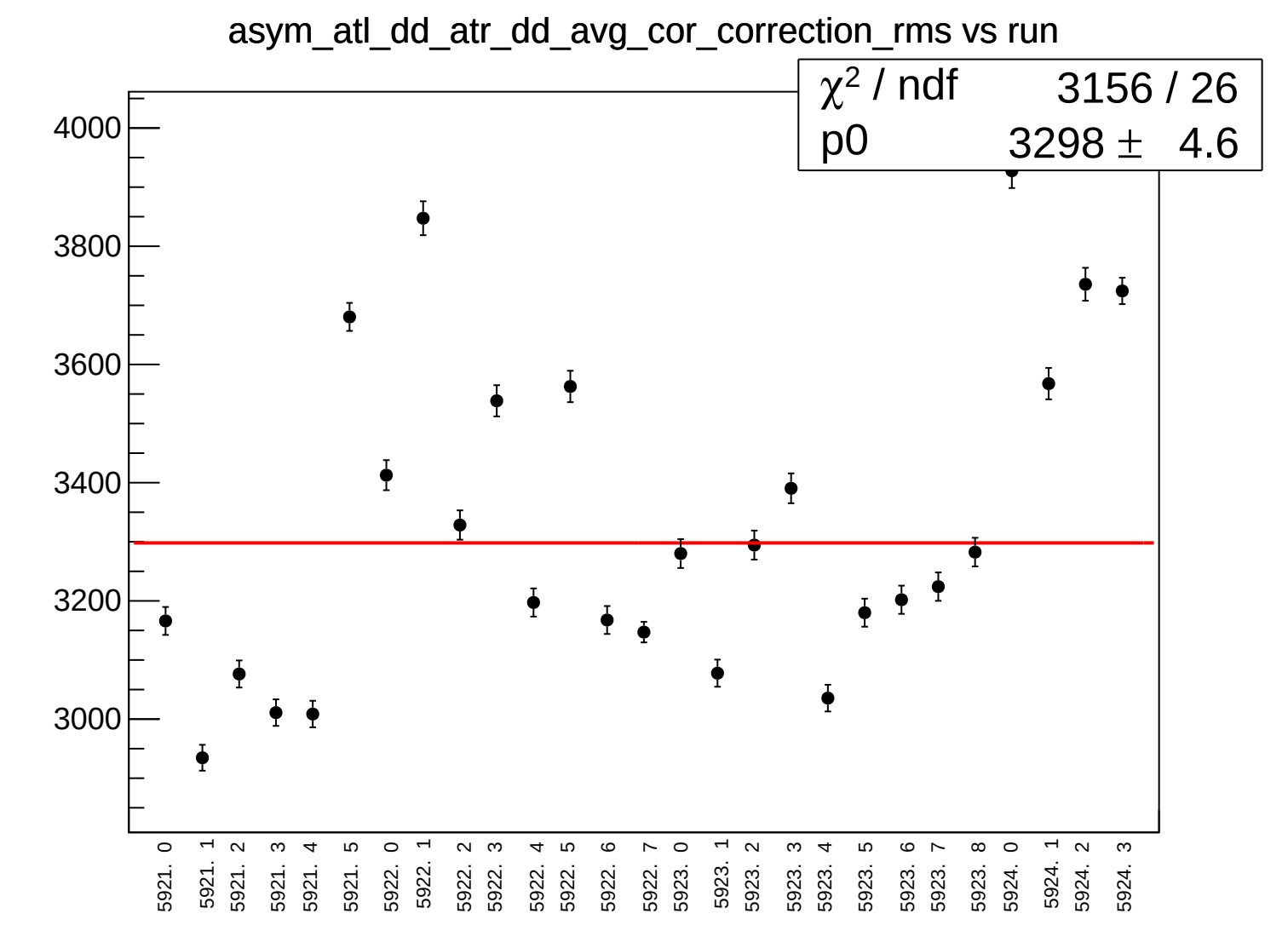

cor_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 26.5 / 26
p0 −77.27 ± 2553
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −471.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

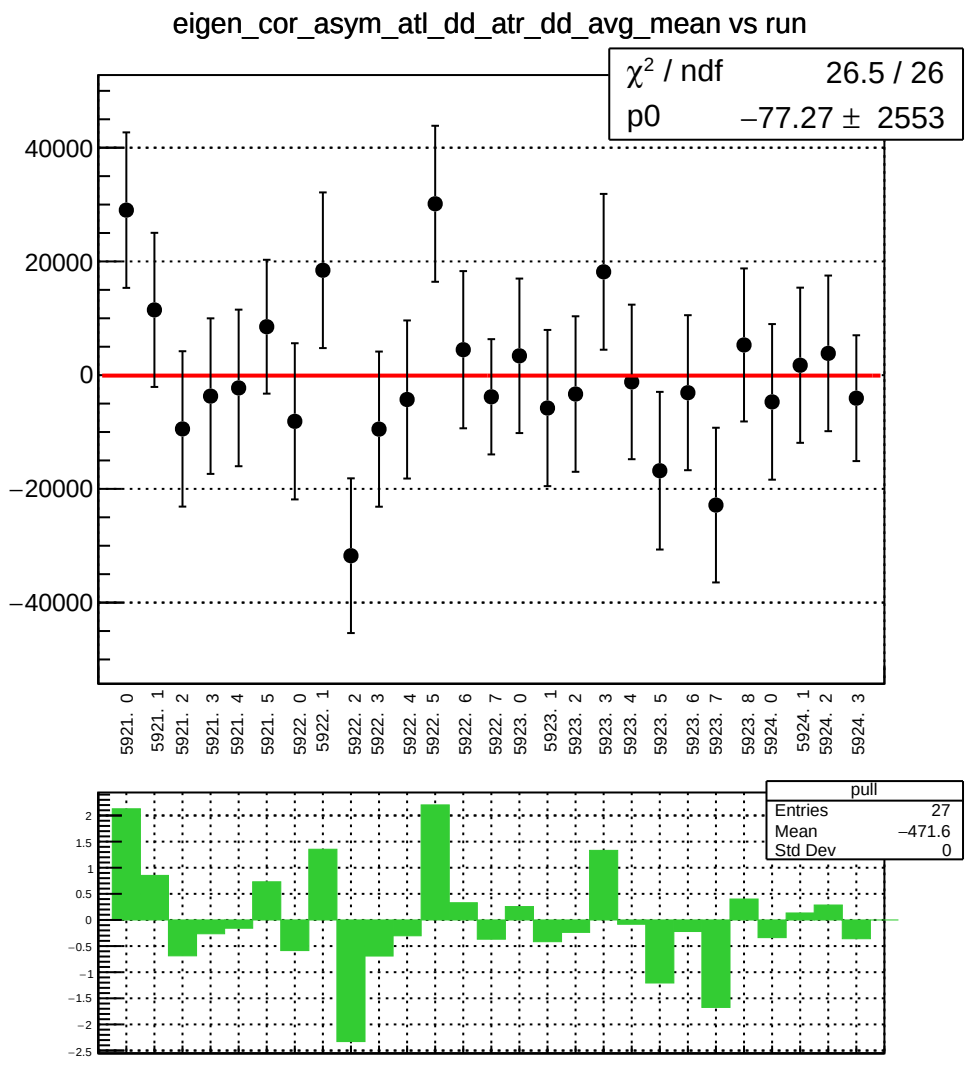

pull1D
Entries 27
Mean 0.003335
Std Dev 0.9907
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

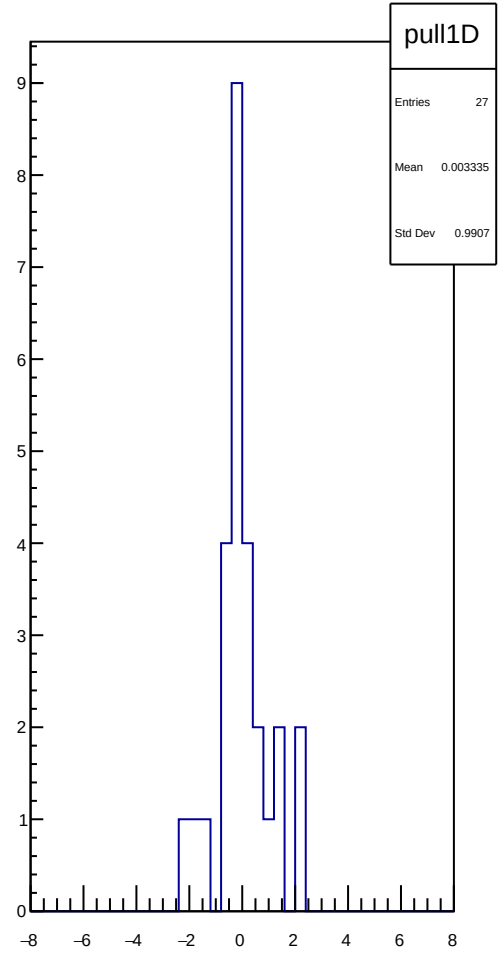

cor_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 18.64 / 26
p0 1298 ± 1.805
1330
1320
1310
1300
1290
1280
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

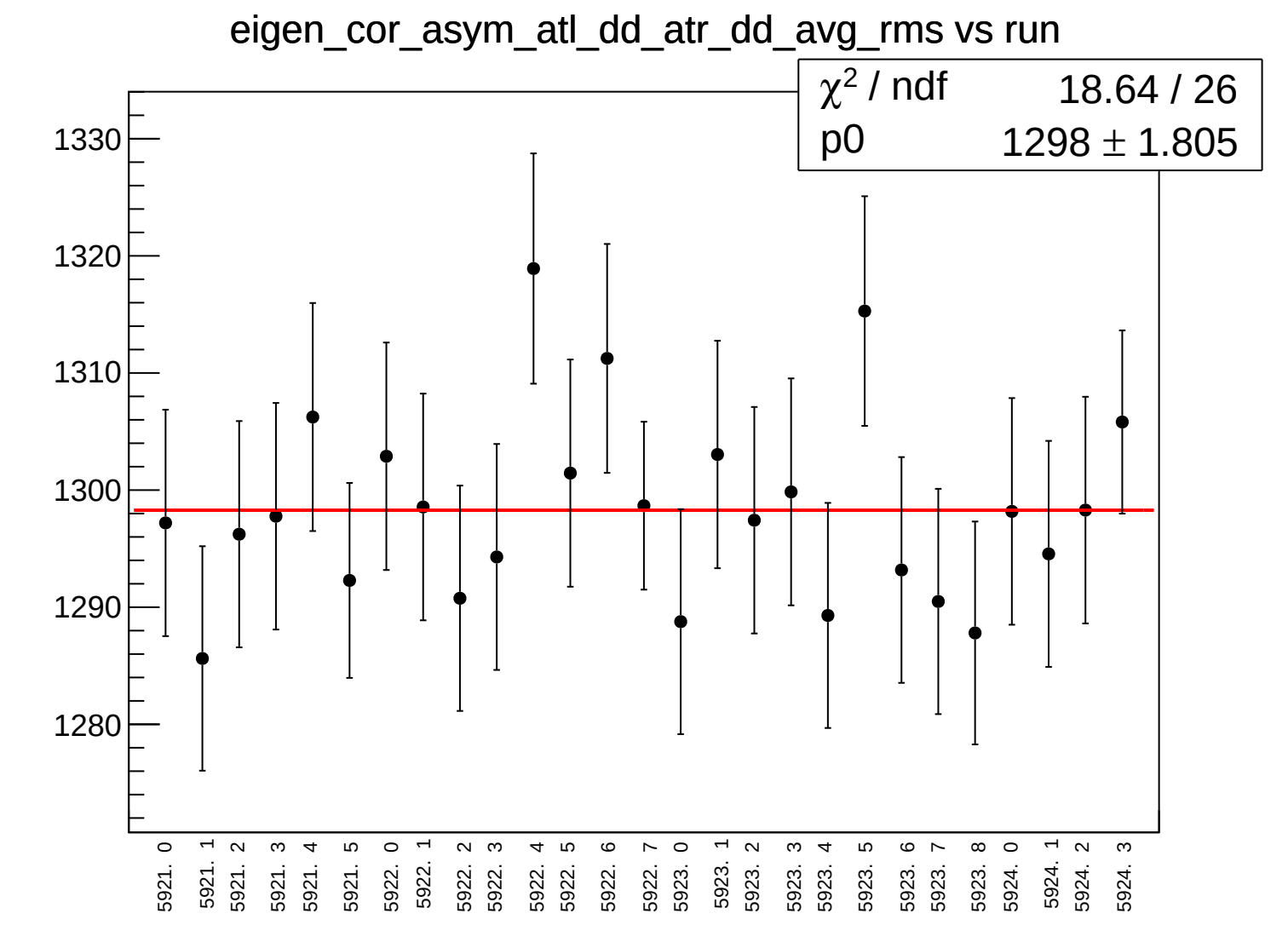

asym_atl_dd_atr_dd_avg_cor_correction_mean vs run
×10^3
χ² / ndf 28.71 / 26
p0 −5077 ± 6506
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 234
Std Dev 0
2
1
0
−1
−2

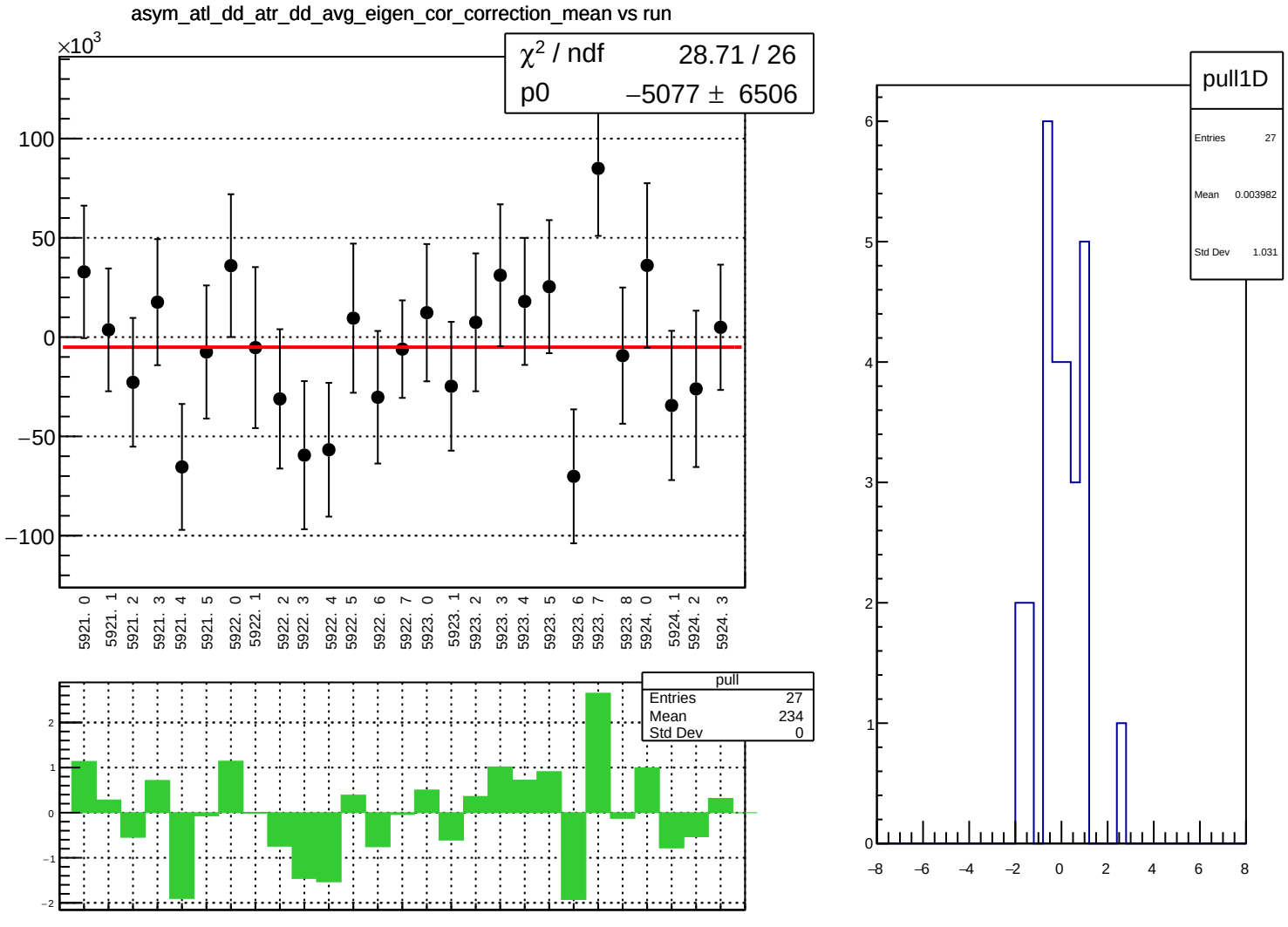

pull1D
Entries 27
Mean 0.003982
Std Dev 1.031
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

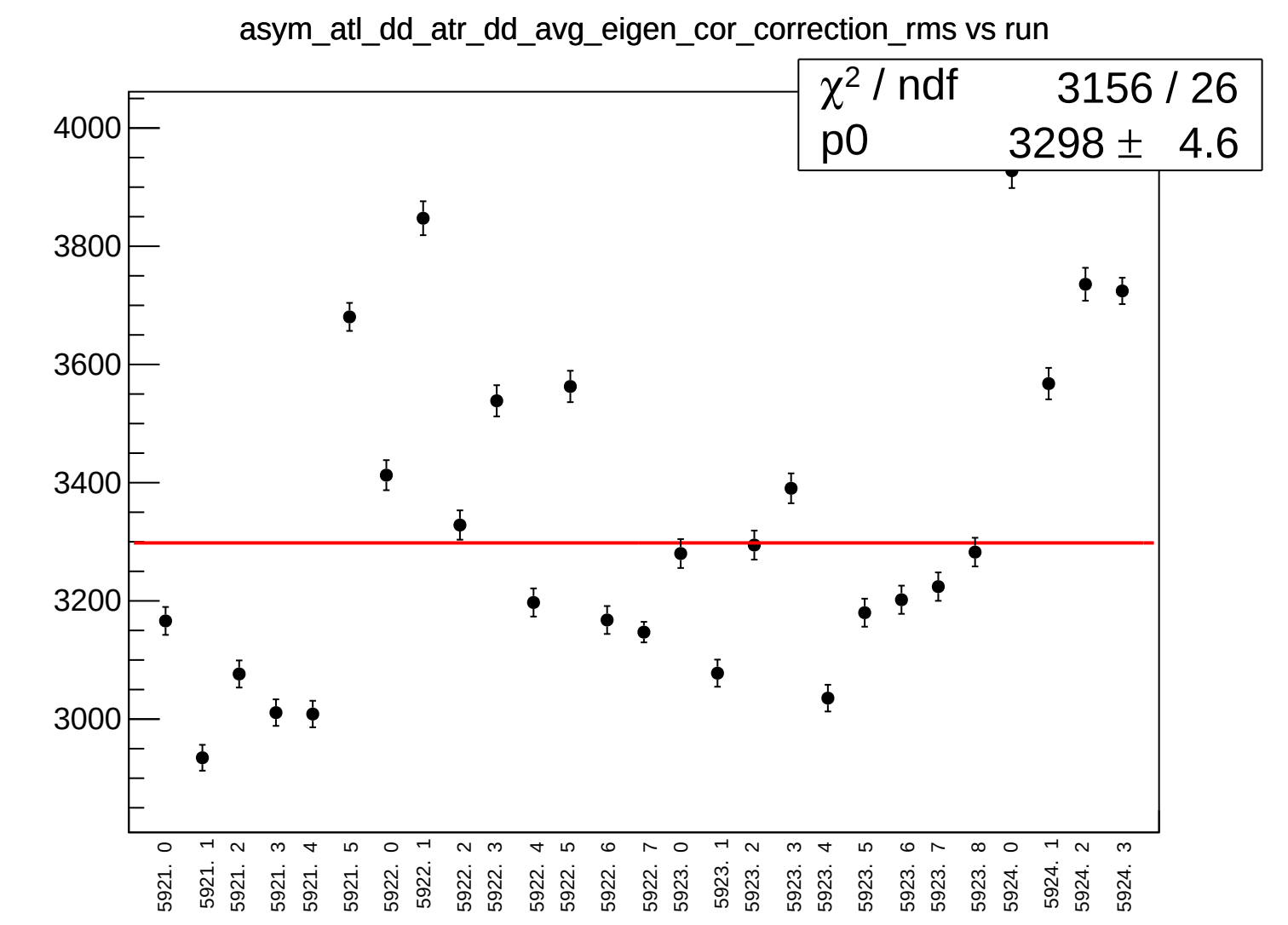

asym_atl_dd_atr_dd_avg_cor_correction_rms vs run
χ² / ndf 3156 / 26
p0 3298 ± 4.6
4000
3800
3600
3400
3200
3000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

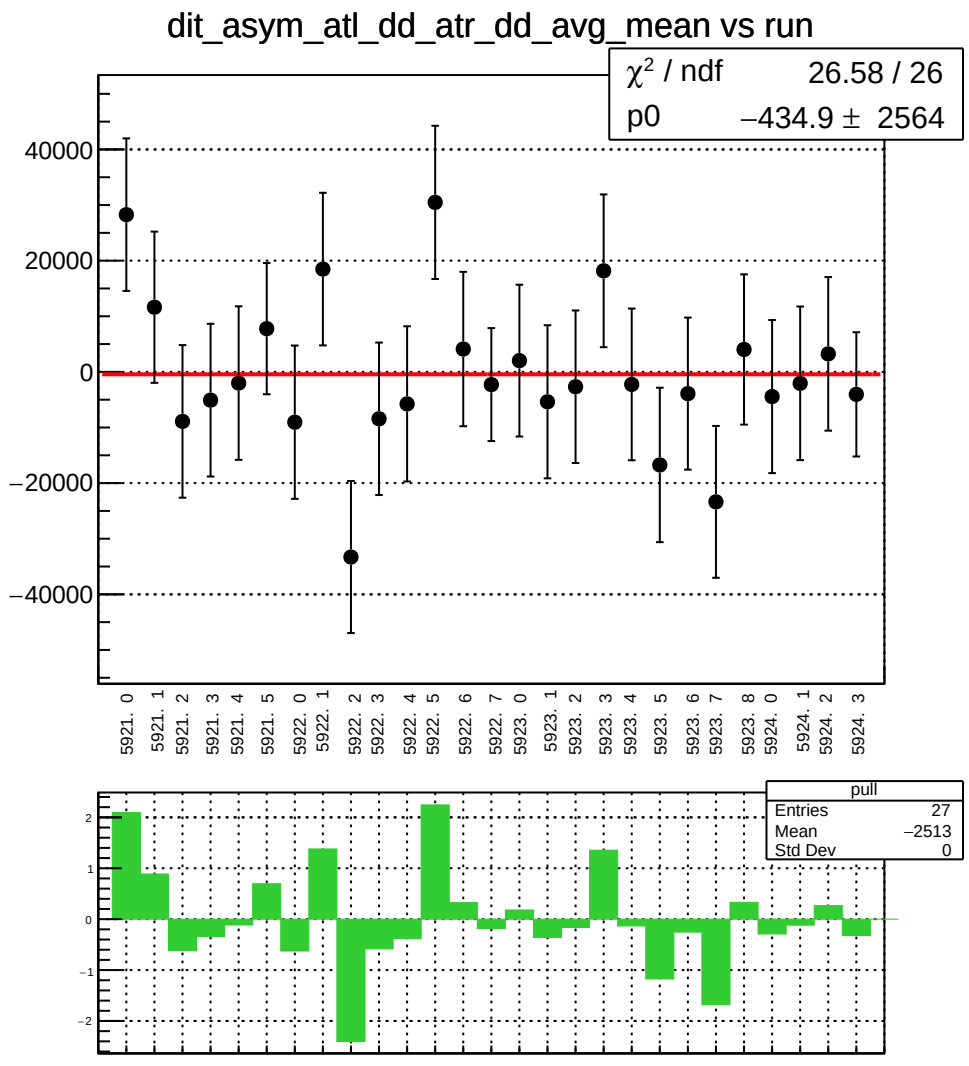

eigen_cor_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 26.5 / 26
p0 −77.27 ± 2553
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −471.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

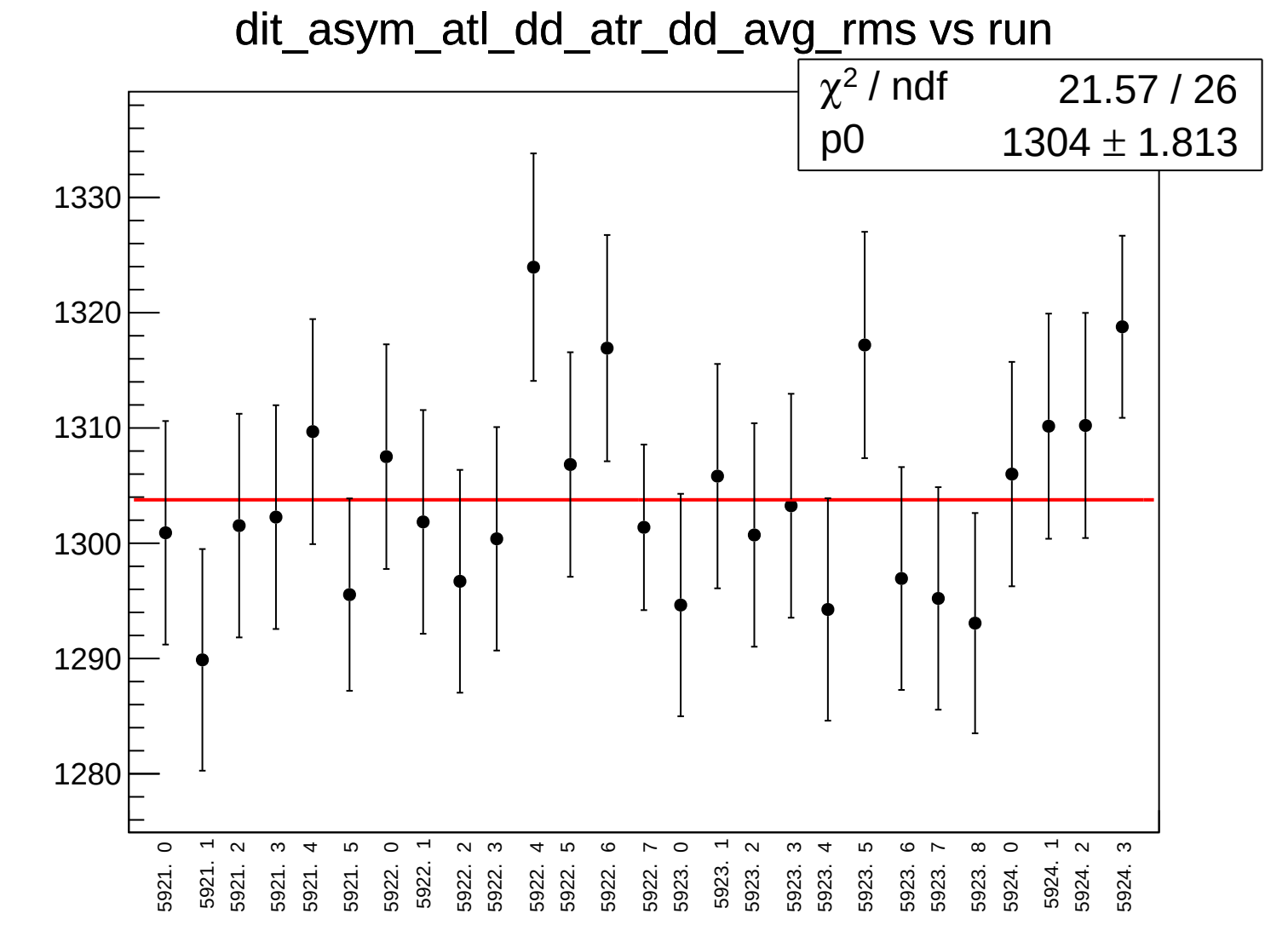

pull1D
Entries 27
Mean 0.003335
Std Dev 0.9907
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

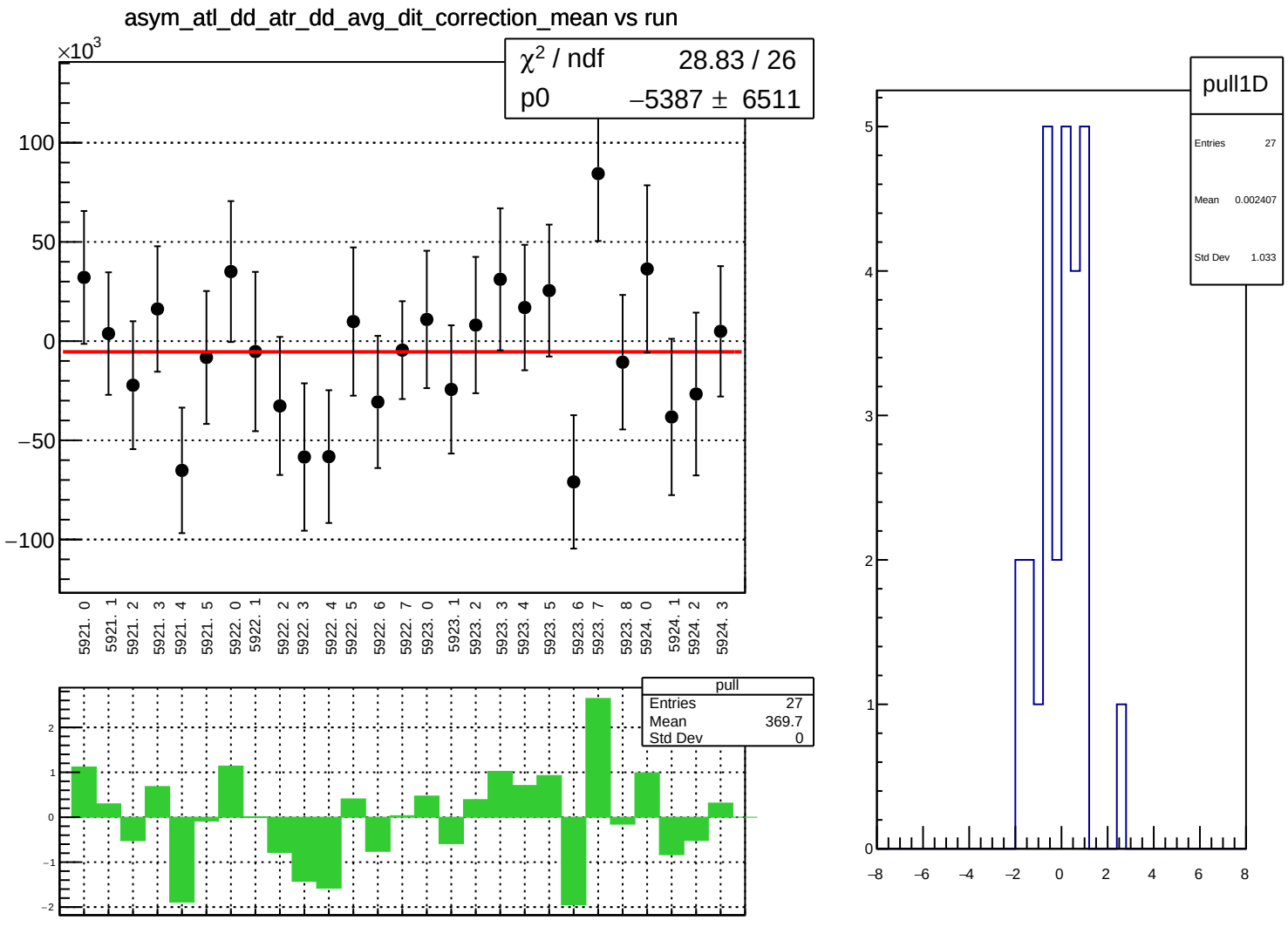

eigen_cor_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 18.64 / 26
p0 1298 ± 1.805
1330
1320
1310
1300
1290
1280
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

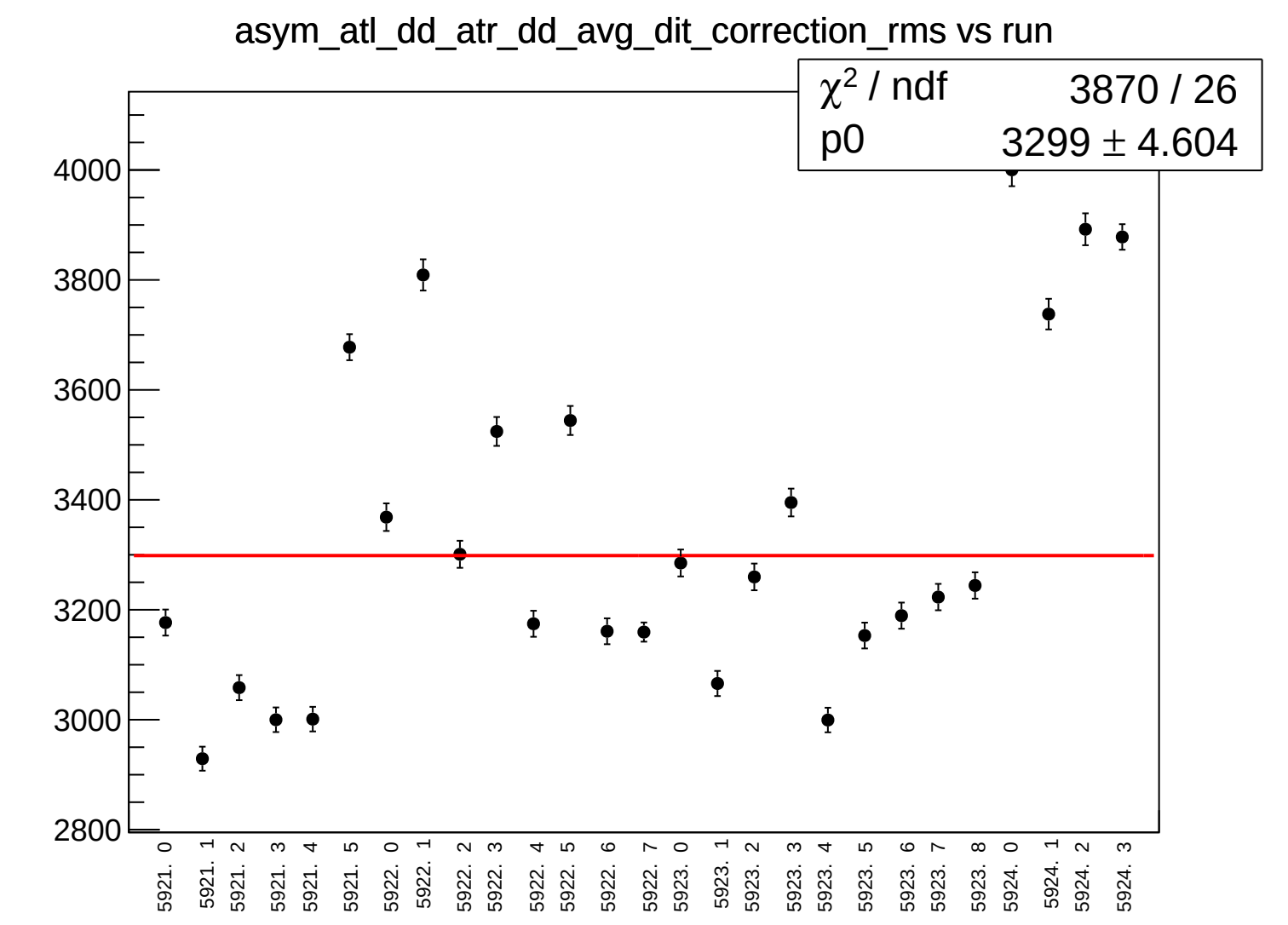

asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 28.71 / 26
p0 −5077 ± 6506
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 234
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.003982
Std Dev 1.031
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

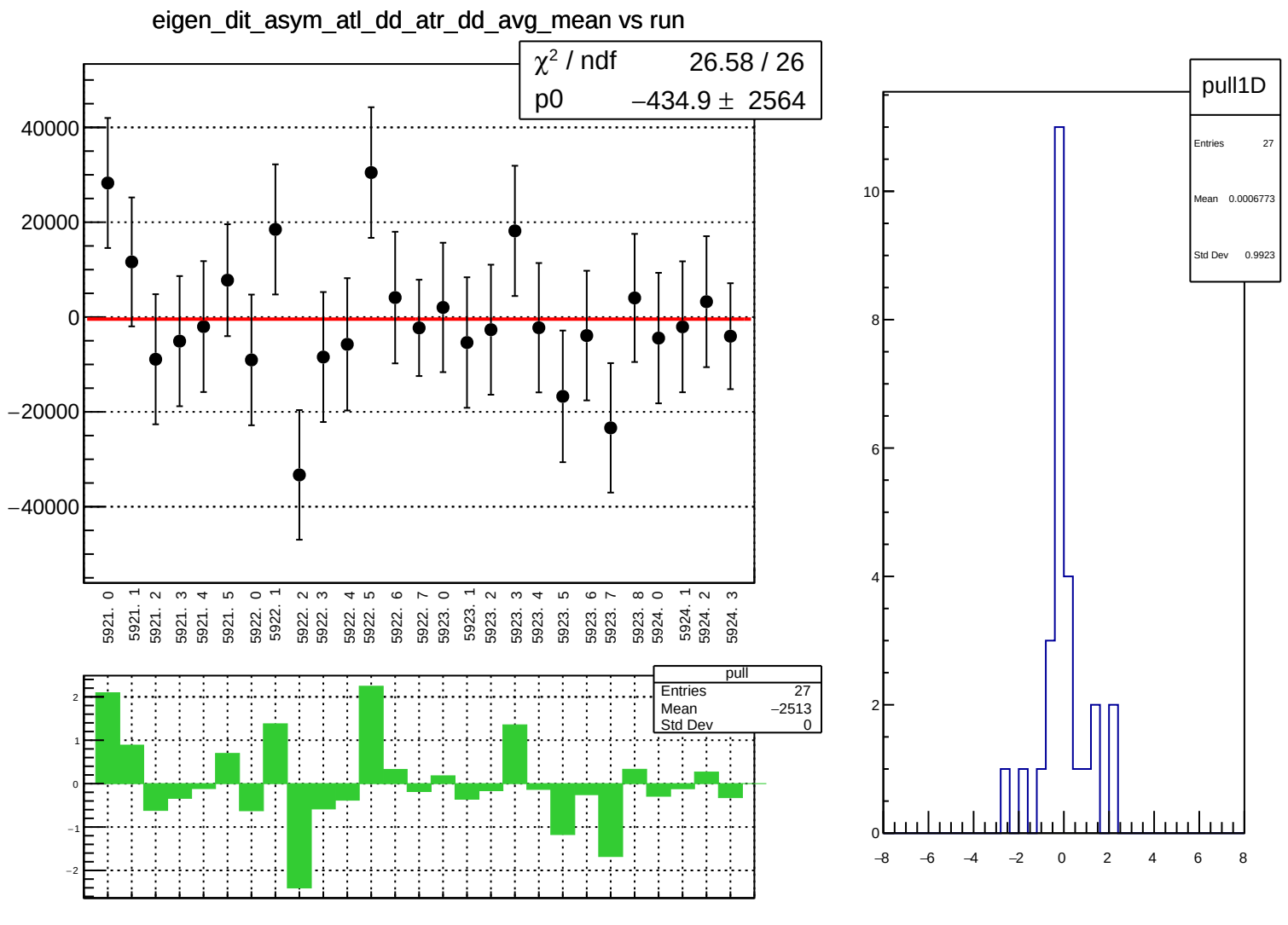

asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 3156 / 26
p0 3298 ± 4.6
4000
3800
3600
3400
3200
3000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

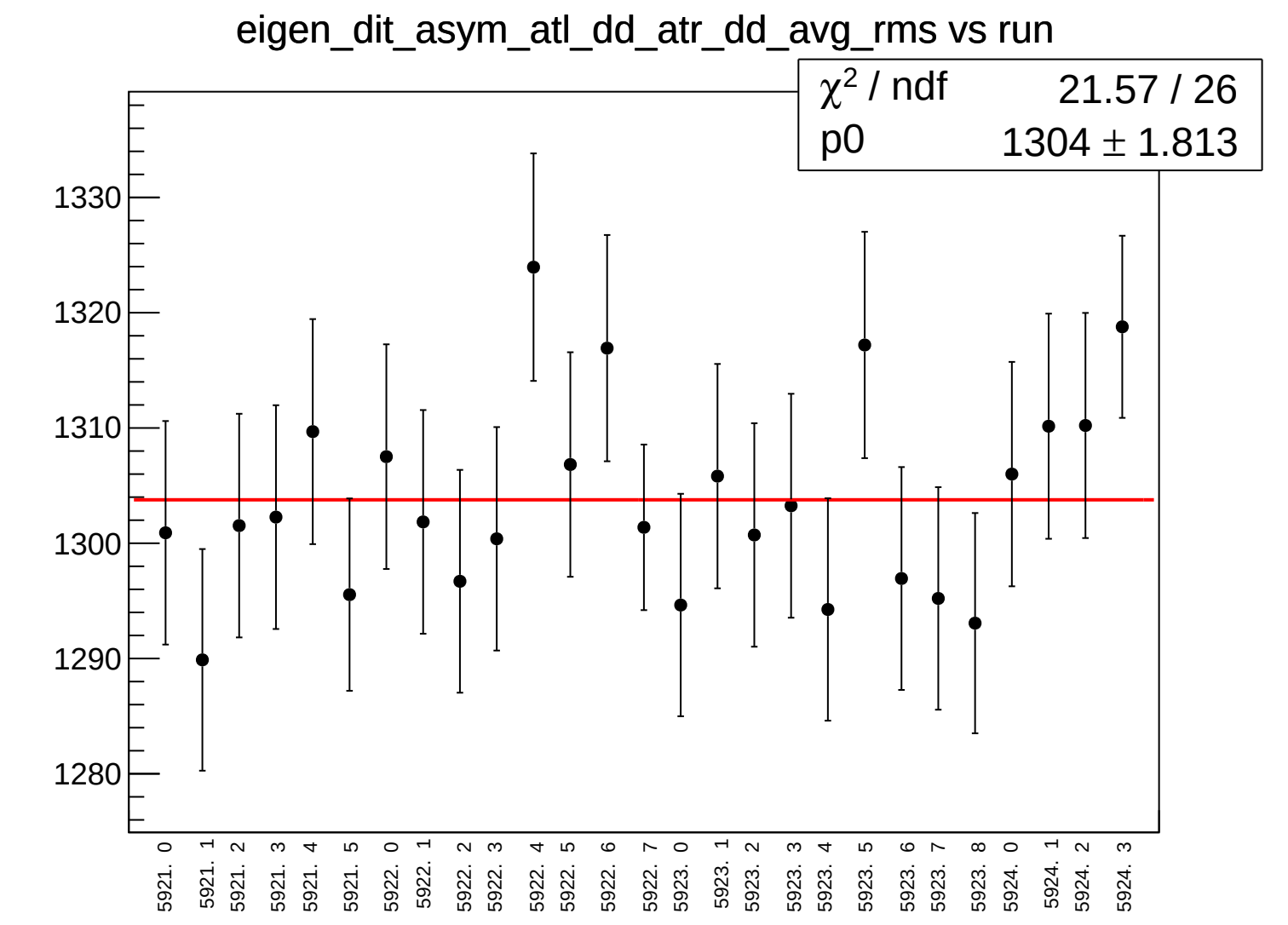

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 26.58 / 26
p0 −434.9 ± 2564
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −2513
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.0006773
Std Dev 0.9923
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

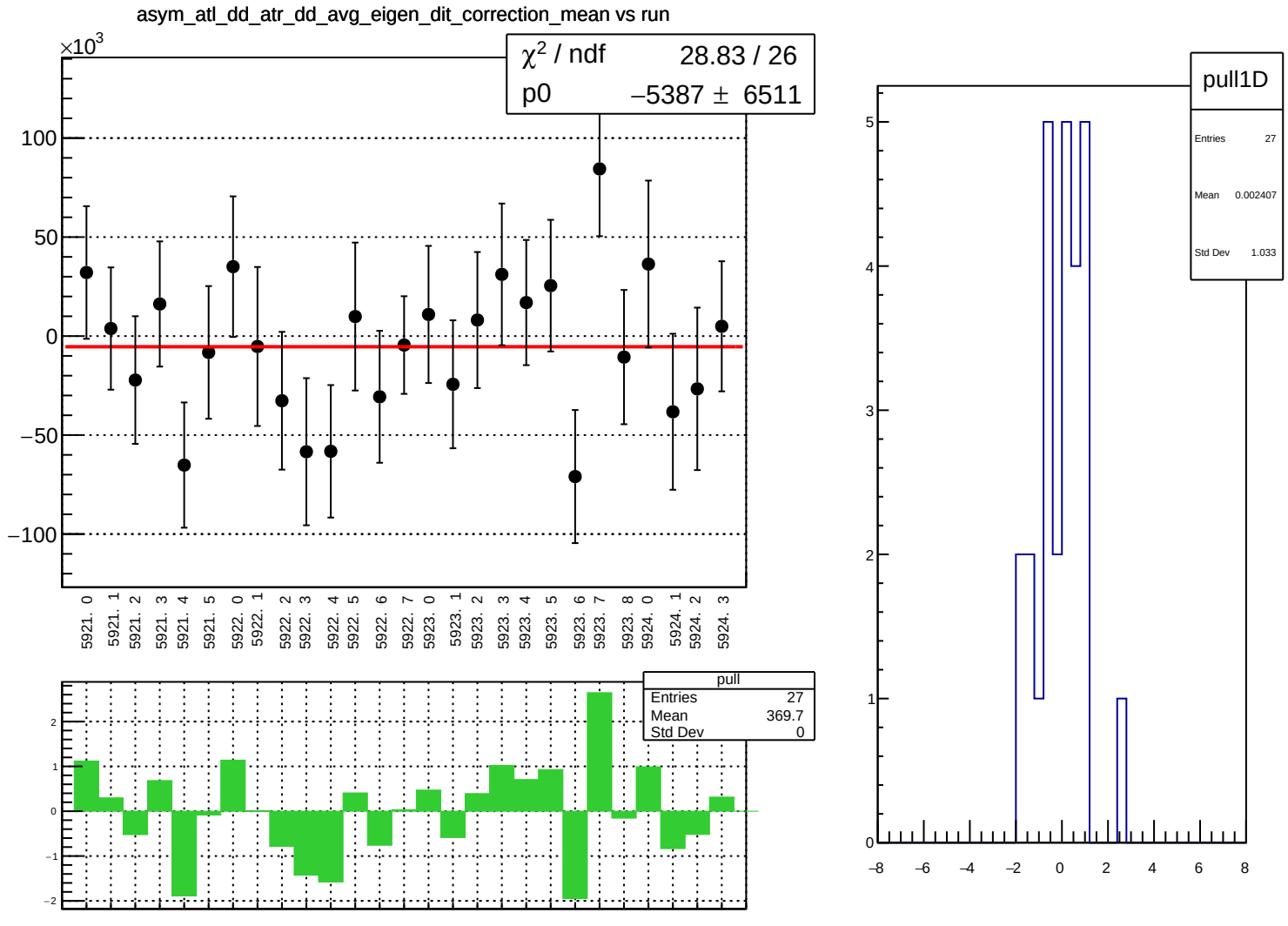

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 21.57 / 26
p0 1304 ± 1.813
1330
1320
1310
1300
1290
1280
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

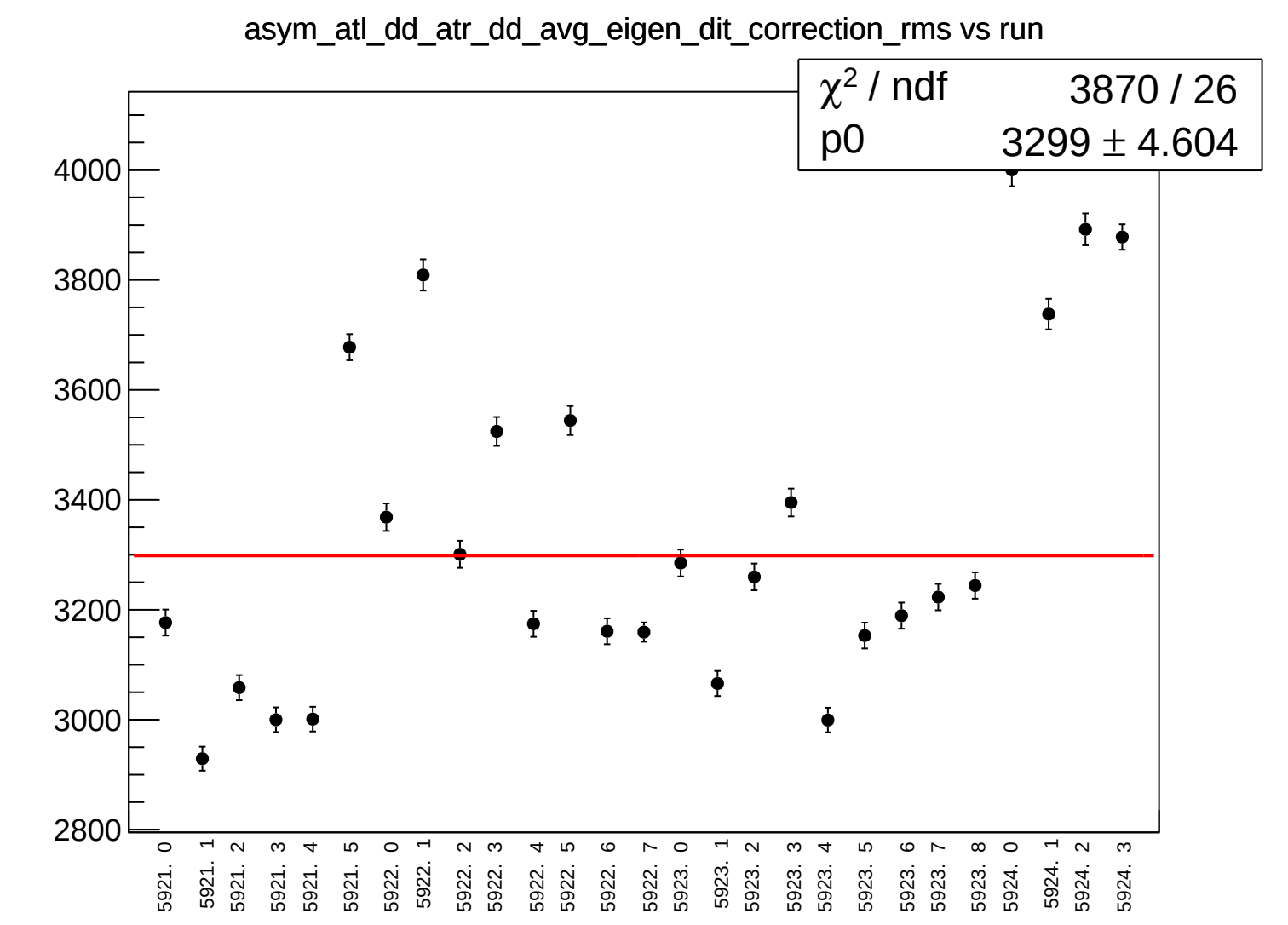

asym_atl_dd_atr_dd_avg_dit_correction_mean vs run
×10^3
χ² / ndf 28.83 / 26
p0 −5387 ± 6511
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 369.7
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.002407
Std Dev 1.033
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

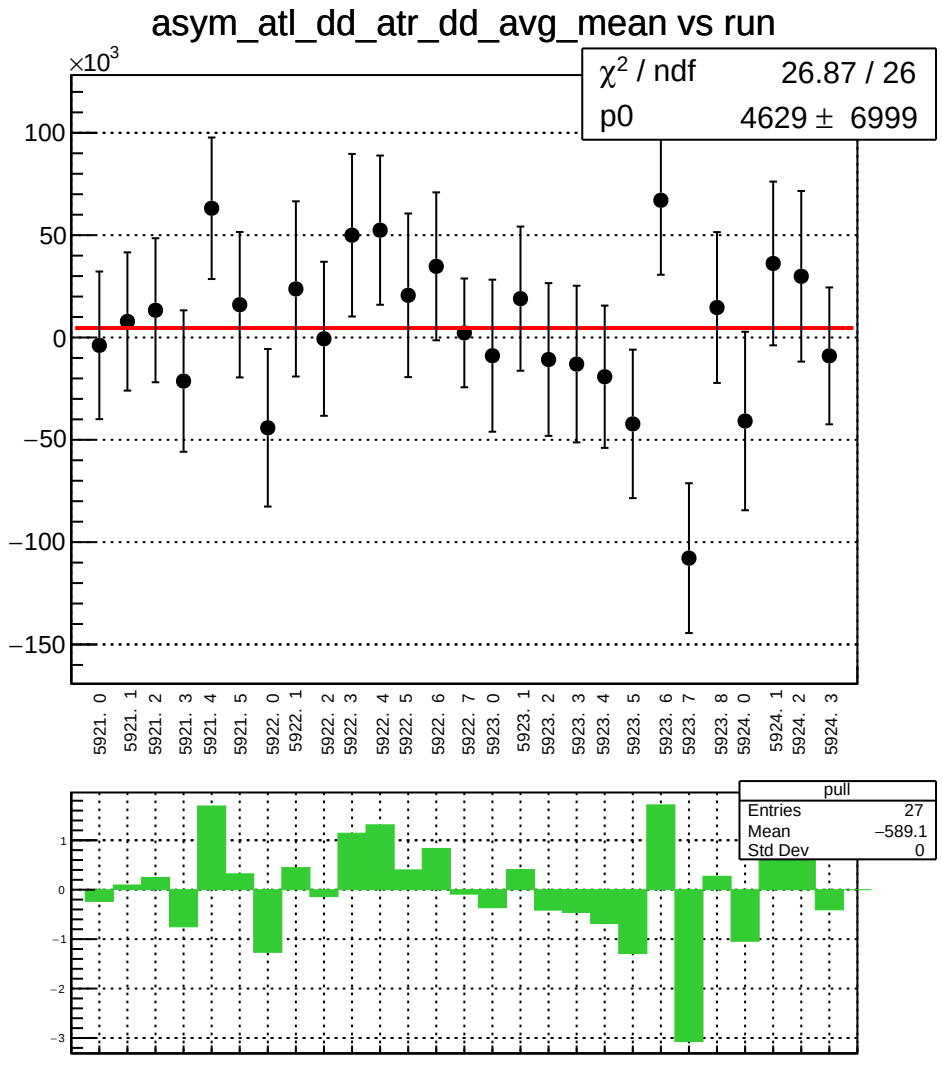

asym_atl_dd_atr_dd_avg_dit_correction_rms vs run
χ² / ndf 3870 / 26
p0 3299 ± 4.604
4000
3800
3600
3400
3200
3000
2800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

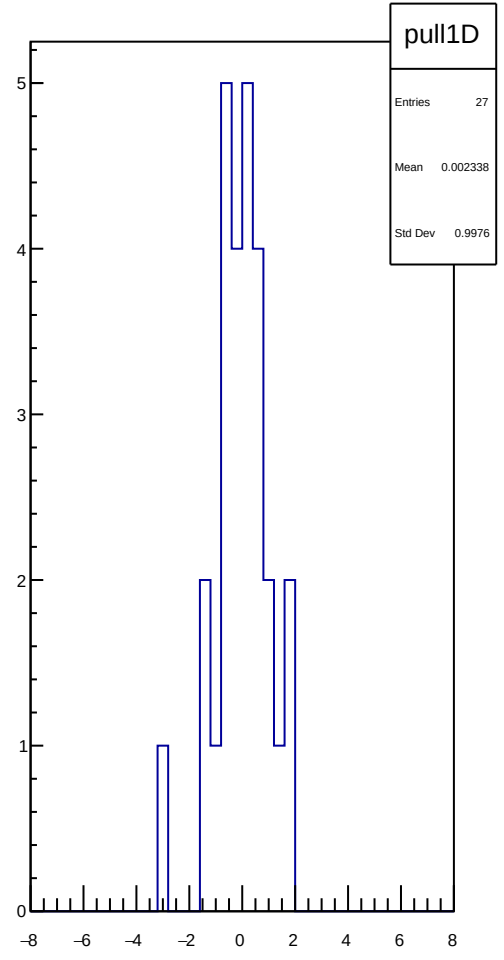

eigen_dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 26.58 / 26
p0 −434.9 ± 2564
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −2513
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.0006773
Std Dev 0.9923
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

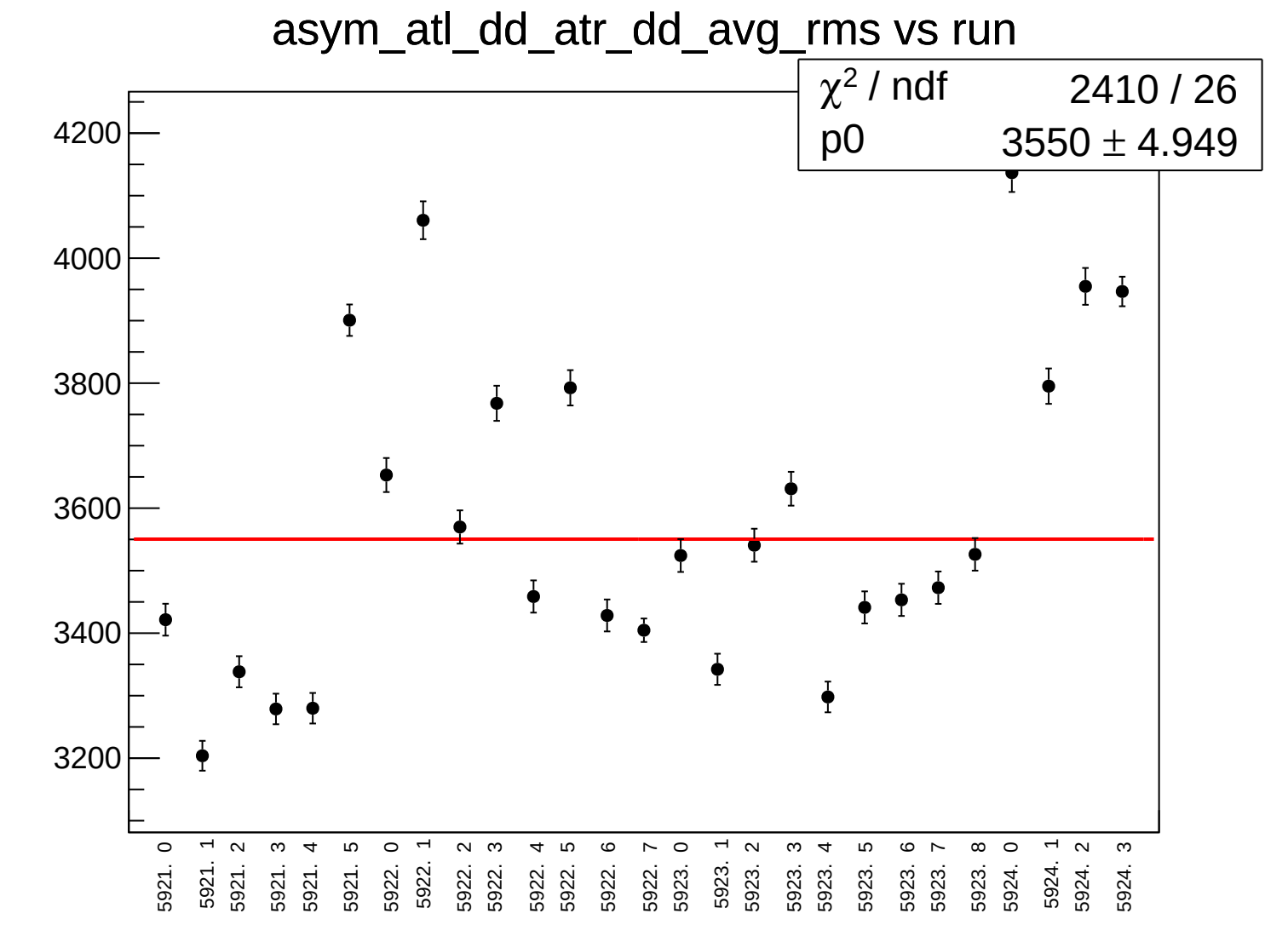

eigen_dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 21.57 / 26
p0 1304 ± 1.813
1330
1320
1310
1300
1290
1280
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

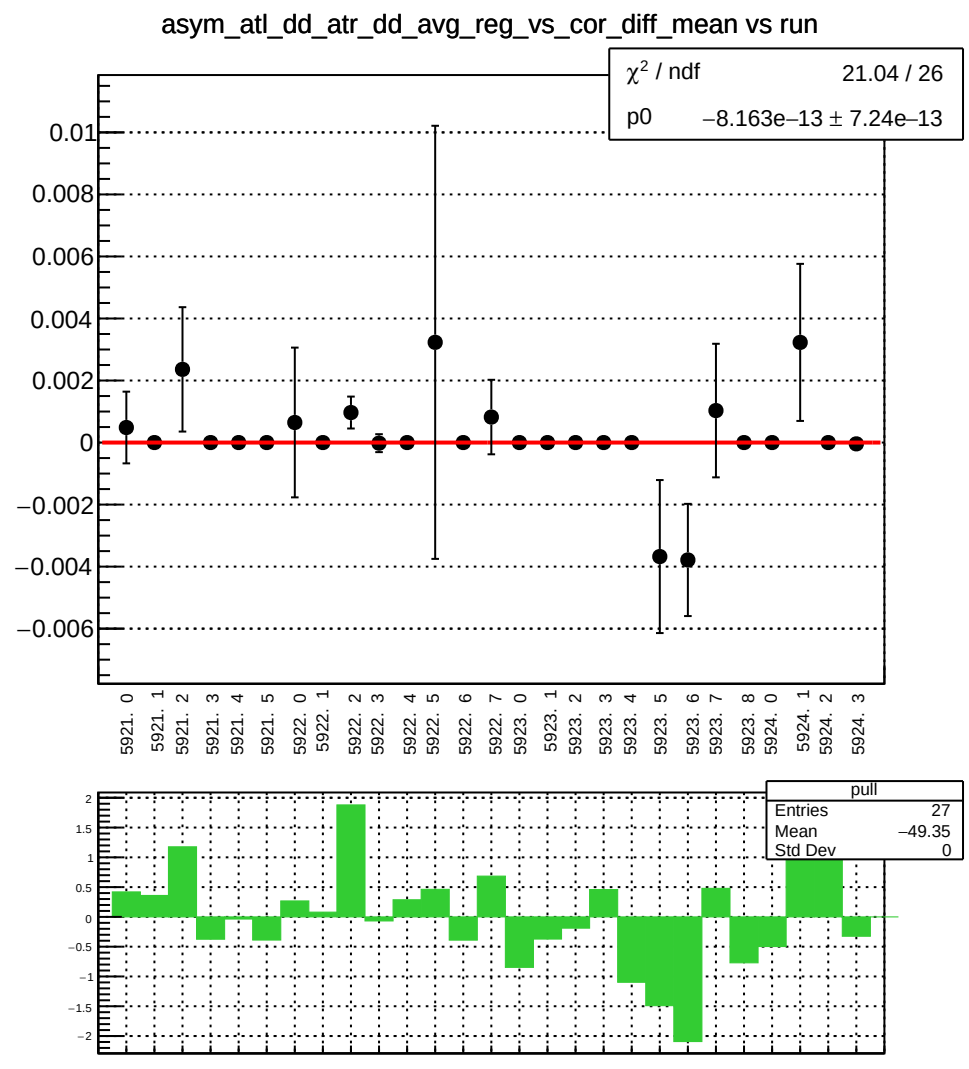

asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 28.83 / 26
p0 −5387 ± 6511
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 369.7
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.002407
Std Dev 1.033
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

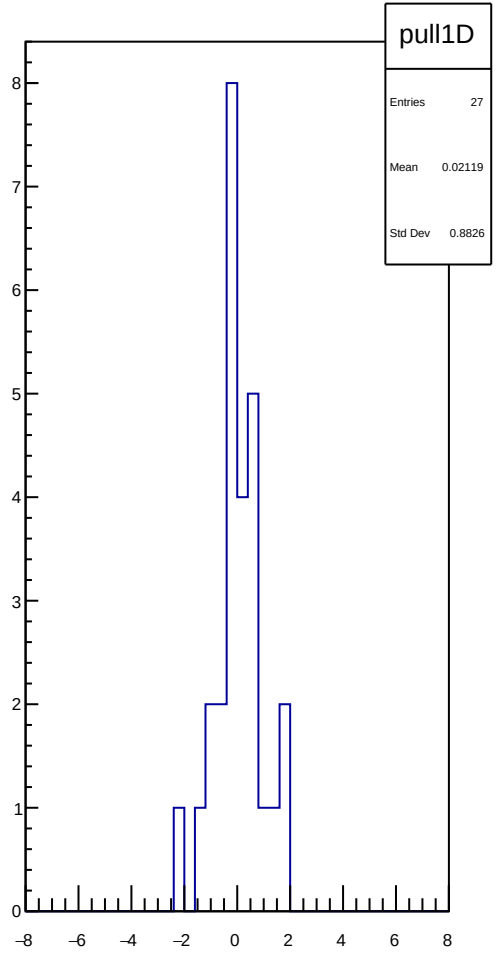

asym_atl_dd_atr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 3870 / 26
p0 3299 ± 4.604
4000
3800
3600
3400
3200
3000
2800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

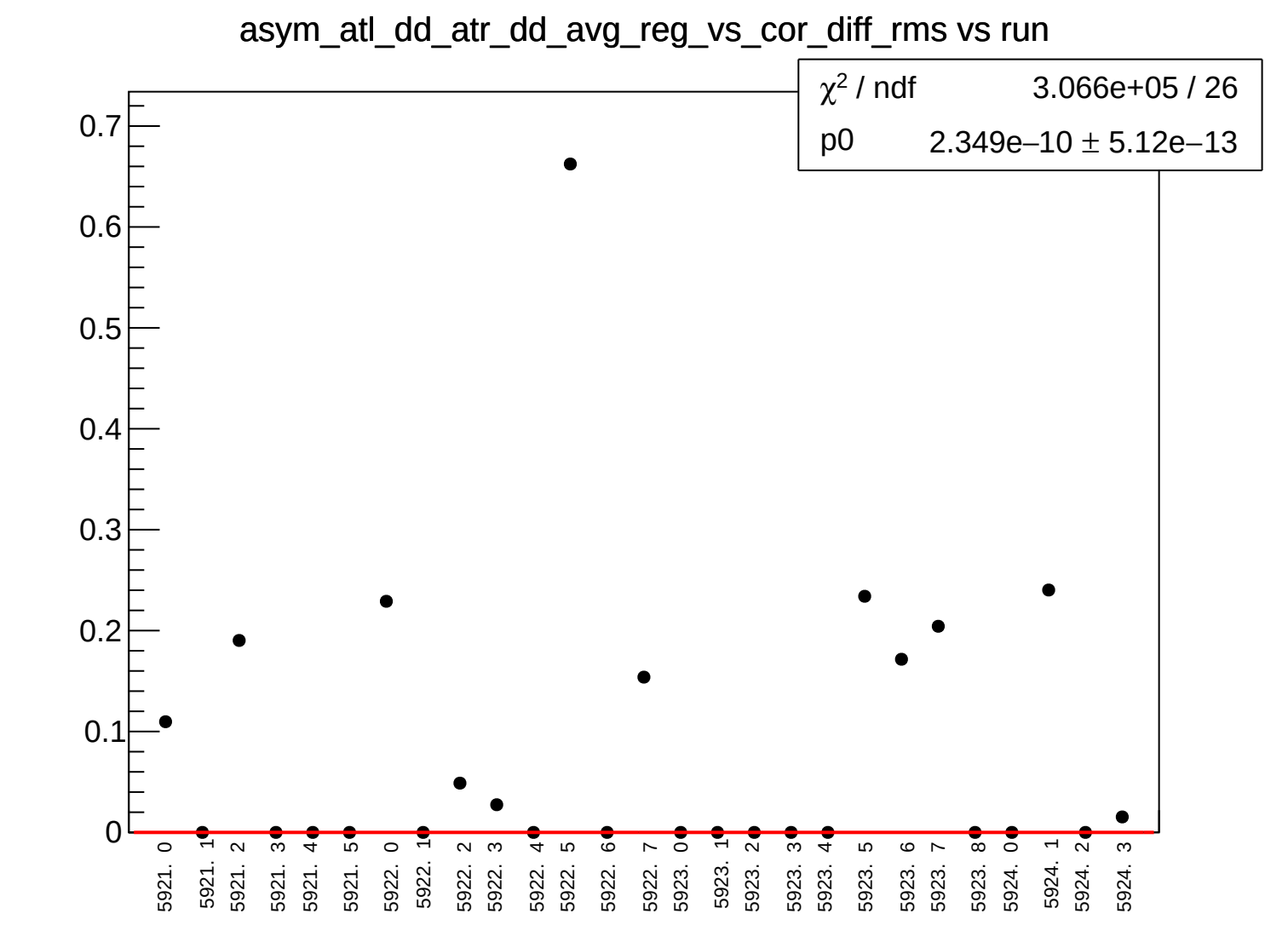

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 26.87 / 26
p0 4629 ± 6999
100
50
0
−50
−100
−150
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −589.1
Std Dev 0
1
0
−1
−2
−3

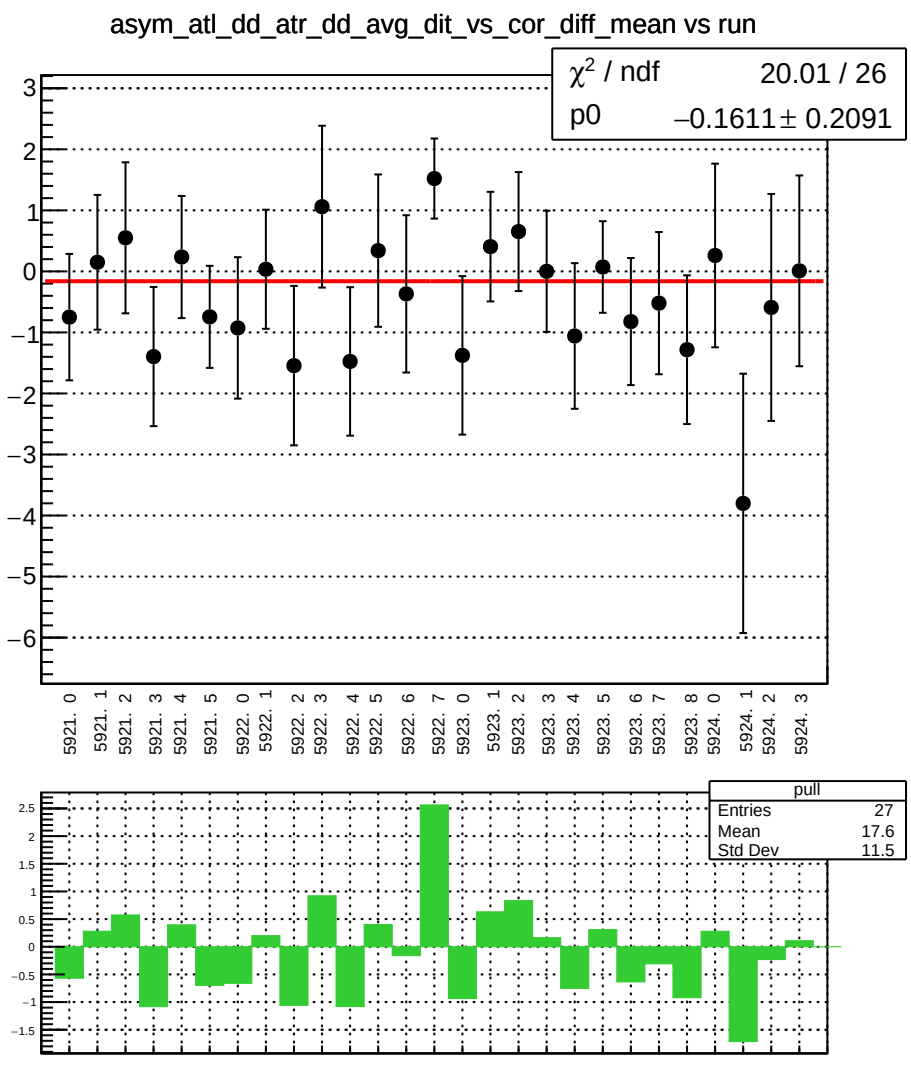

pull1D
Entries 27
Mean 0.002338
Std Dev 0.9976
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

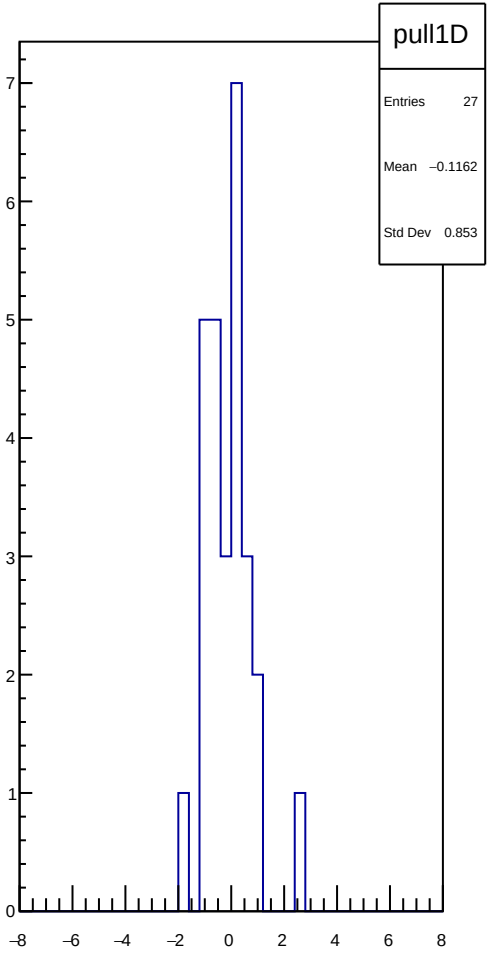

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 2410 / 26
p0 3550 ± 4.949
4200
4000
3800
3600
3400
3200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

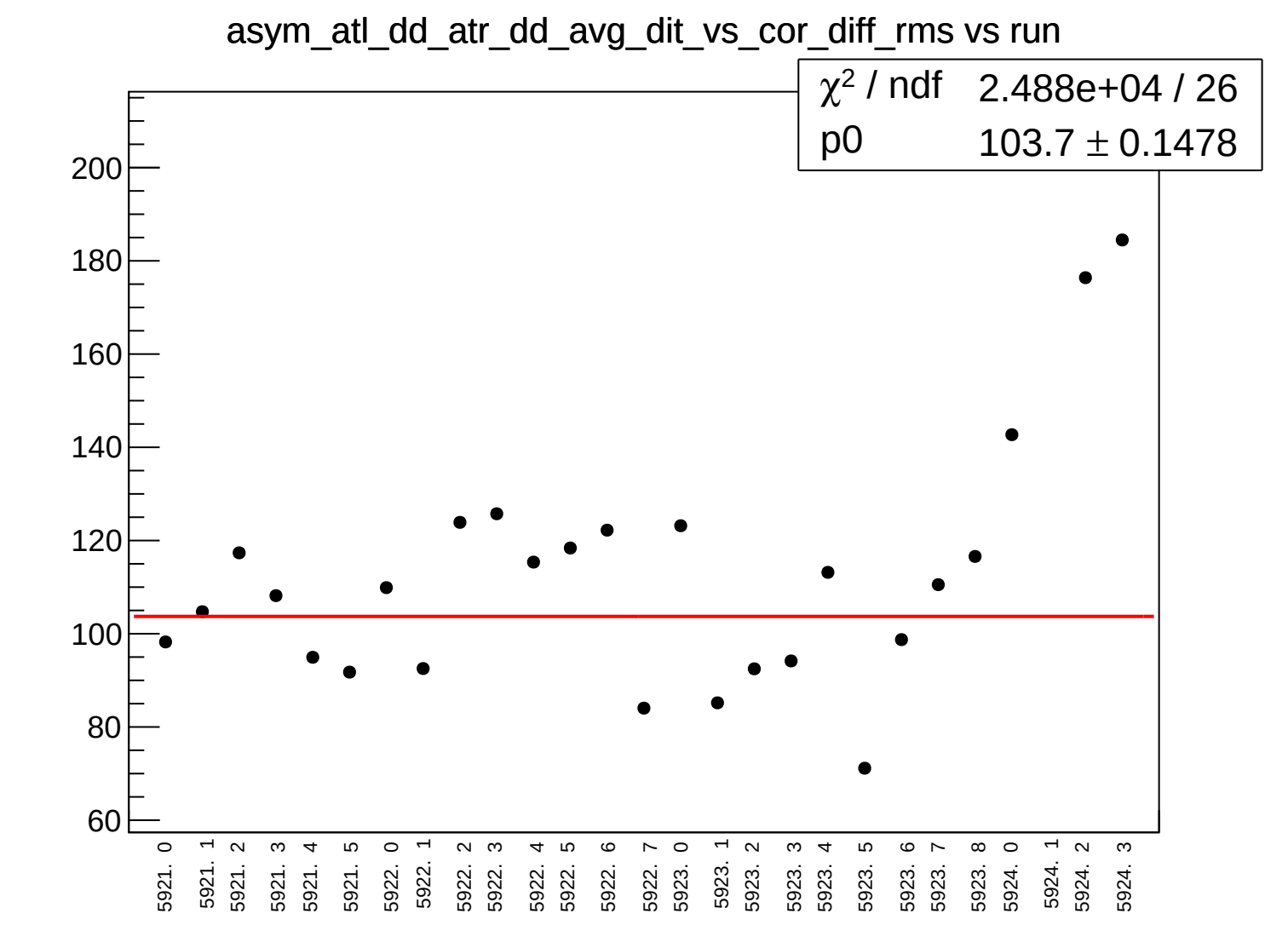

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 21.04 / 26
p0 −8.163e−13 ± 7.24e−13
0.01
0.008
0.006
0.004
0.002
0
−0.002
−0.004
−0.006
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −49.35
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

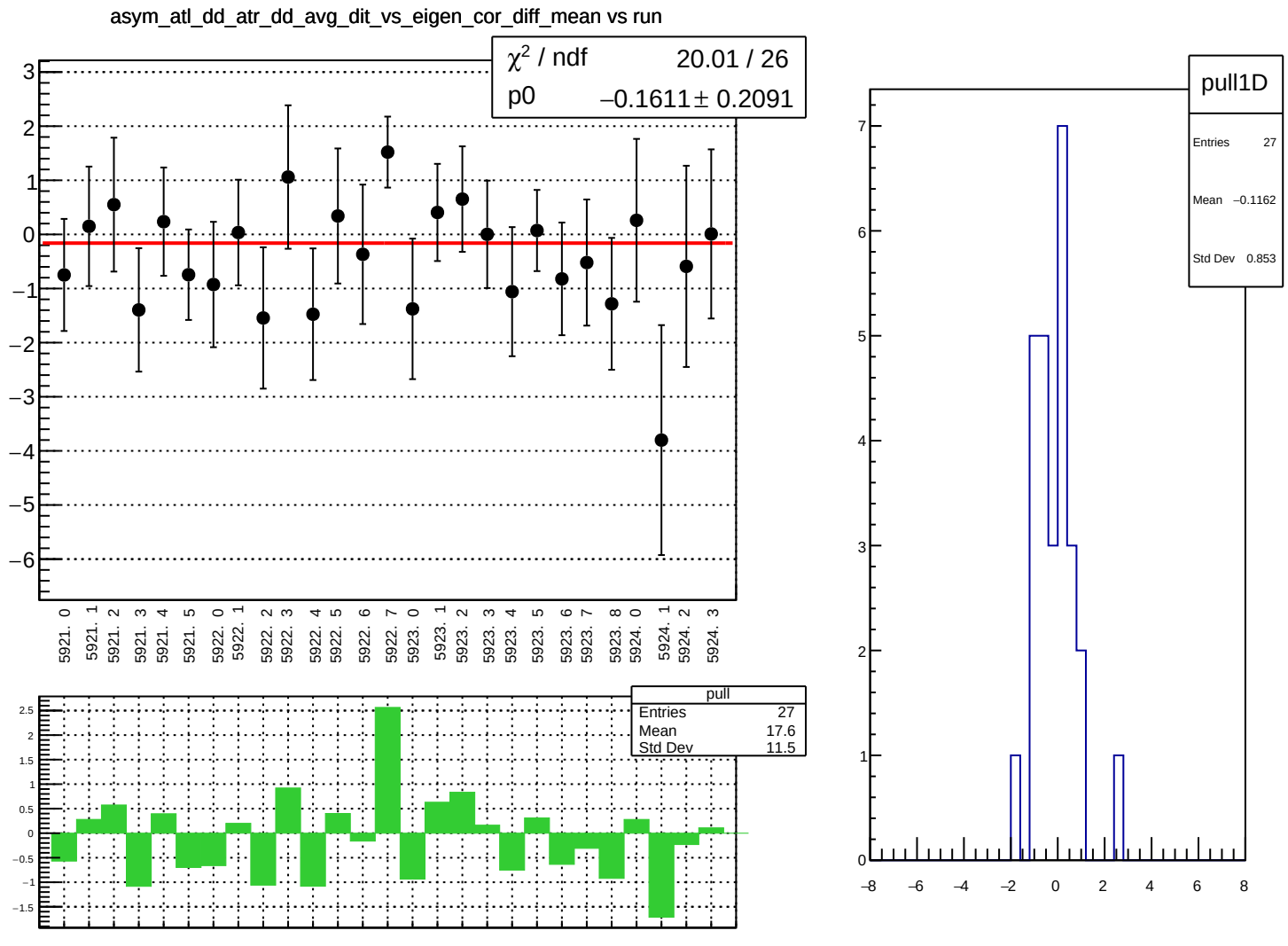

pull1D
Entries 27
Mean 0.02119
Std Dev 0.8826
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

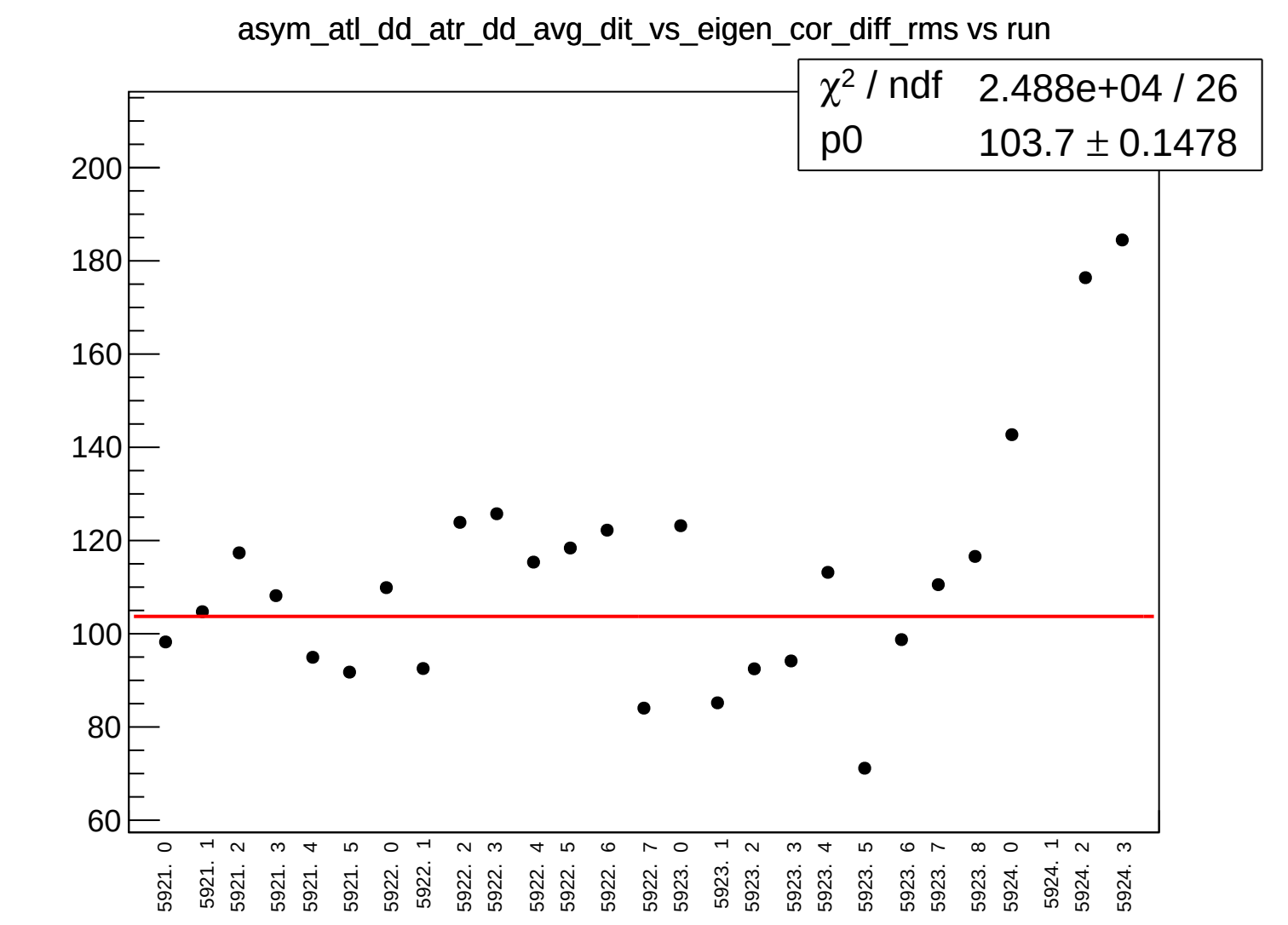

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.066e+05 / 26
p0 2.349e−10 ± 5.12e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

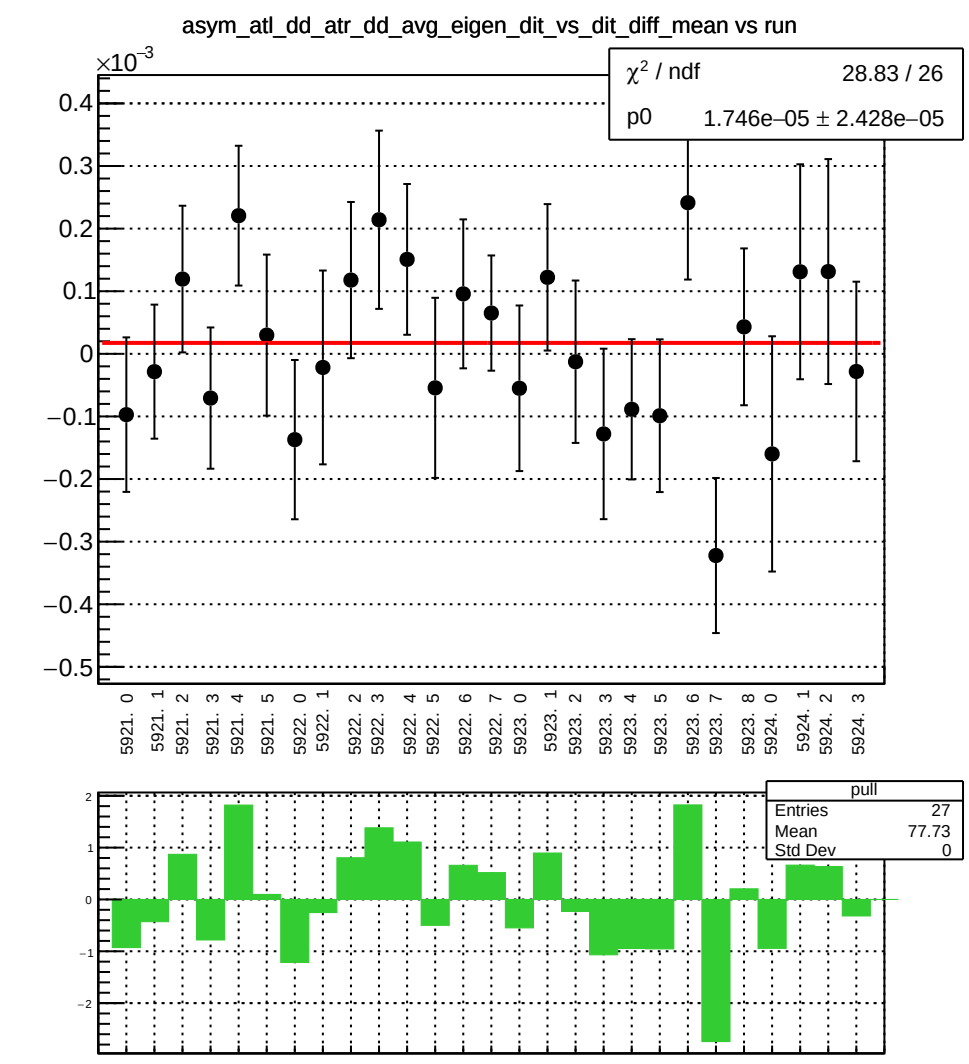

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 20.01 / 26
p0 −0.1611 ± 0.2091
pull
Entries 27
Mean 17.6
Std Dev 11.5

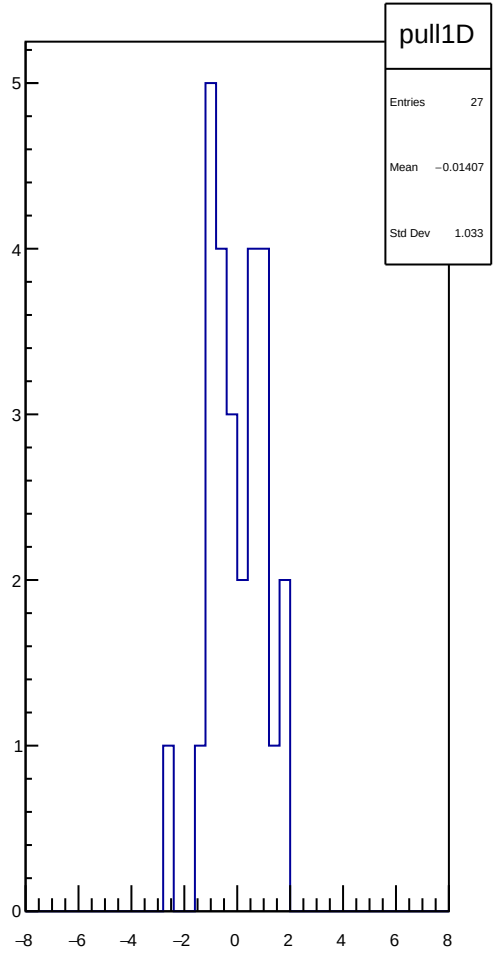

pull1D
Entries 27
Mean −0.1162
Std Dev 0.853

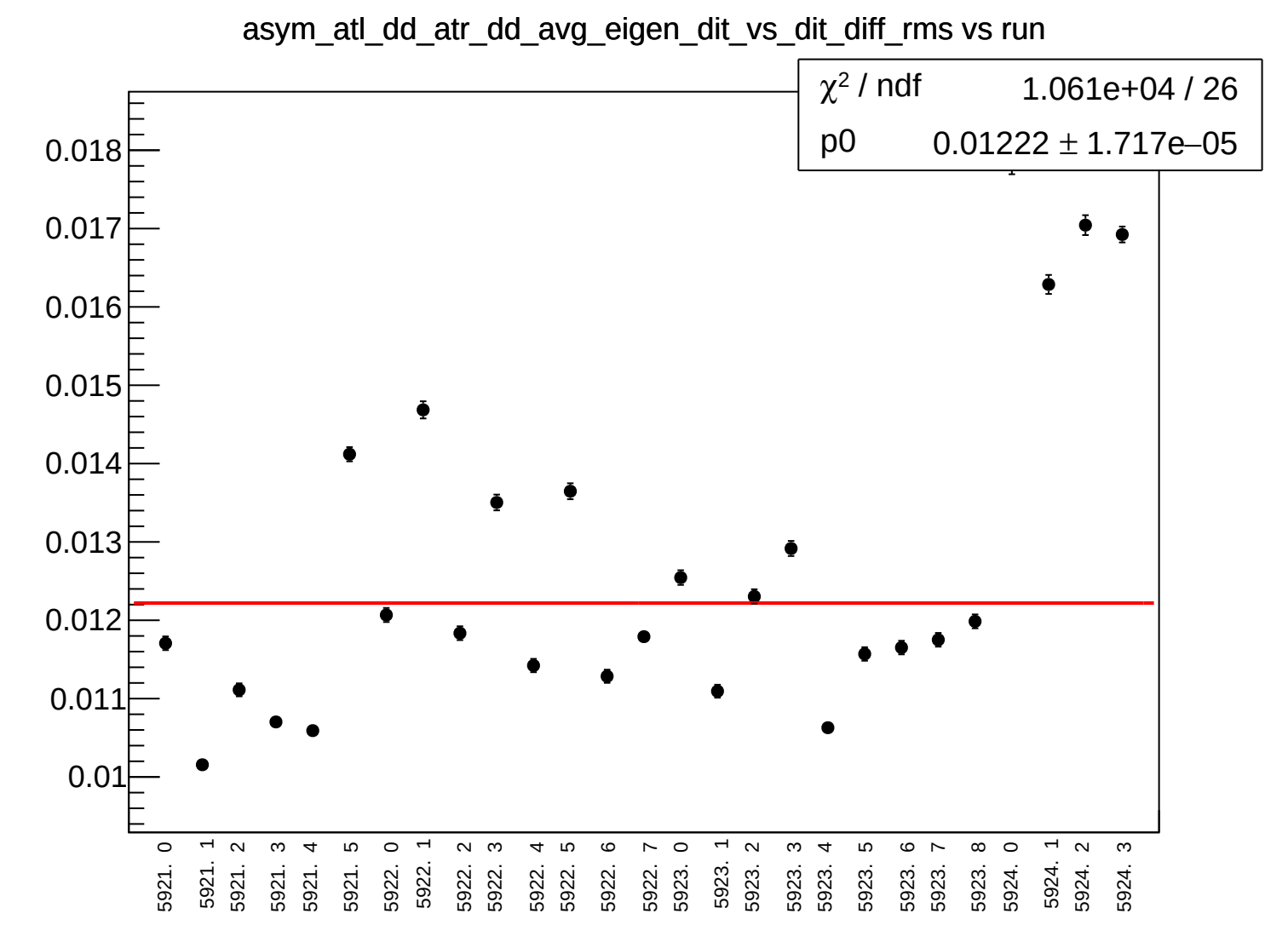

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.488e+04 / 26
p0 103.7 ± 0.1478
200
180
160
140
120
100
80
60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

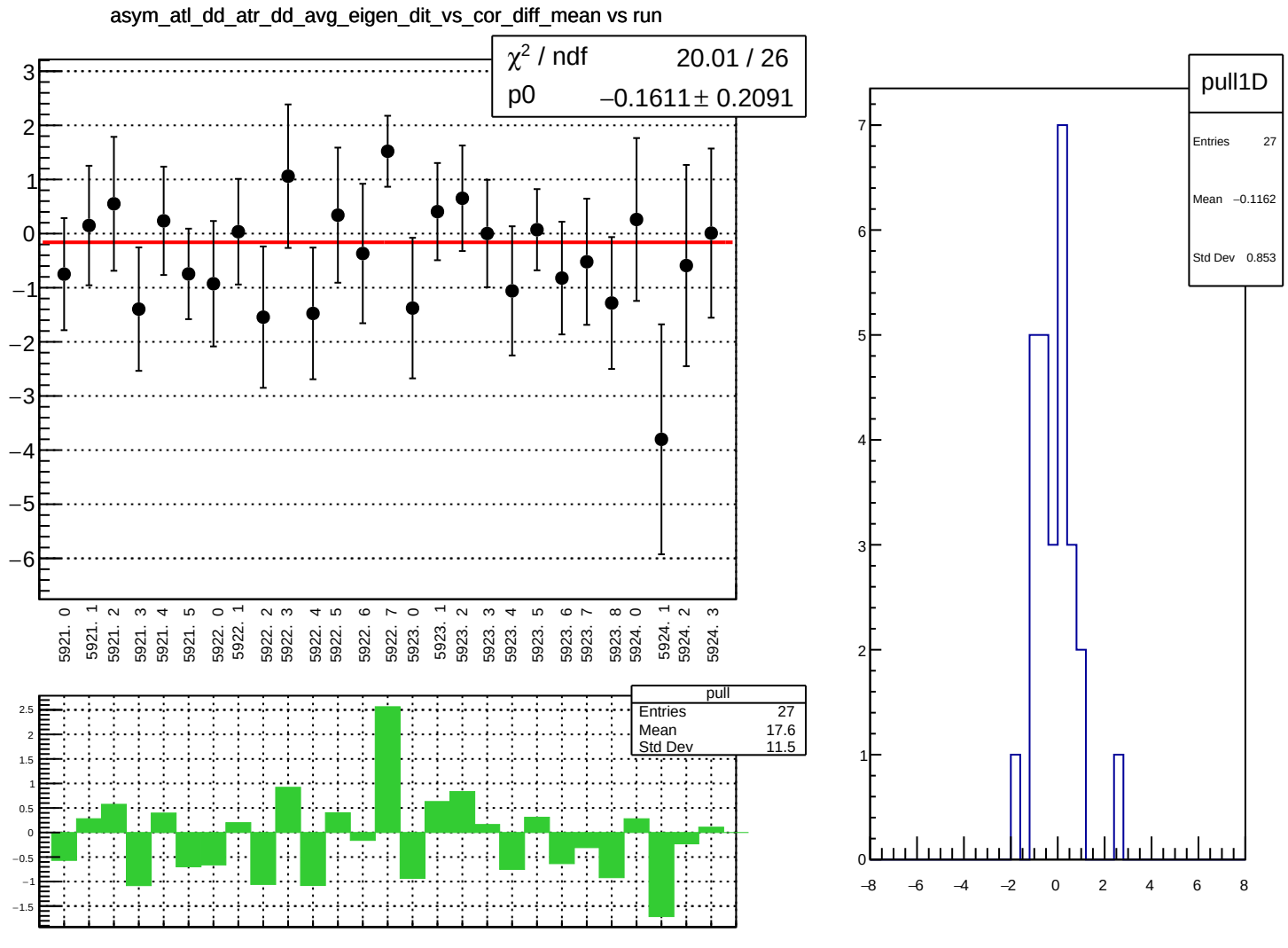

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 20.01 / 26
p0 −0.1611 ± 0.2091
pull
Entries 27
Mean 17.6
Std Dev 11.5
pull1D
Entries 27
Mean −0.1162
Std Dev 0.853

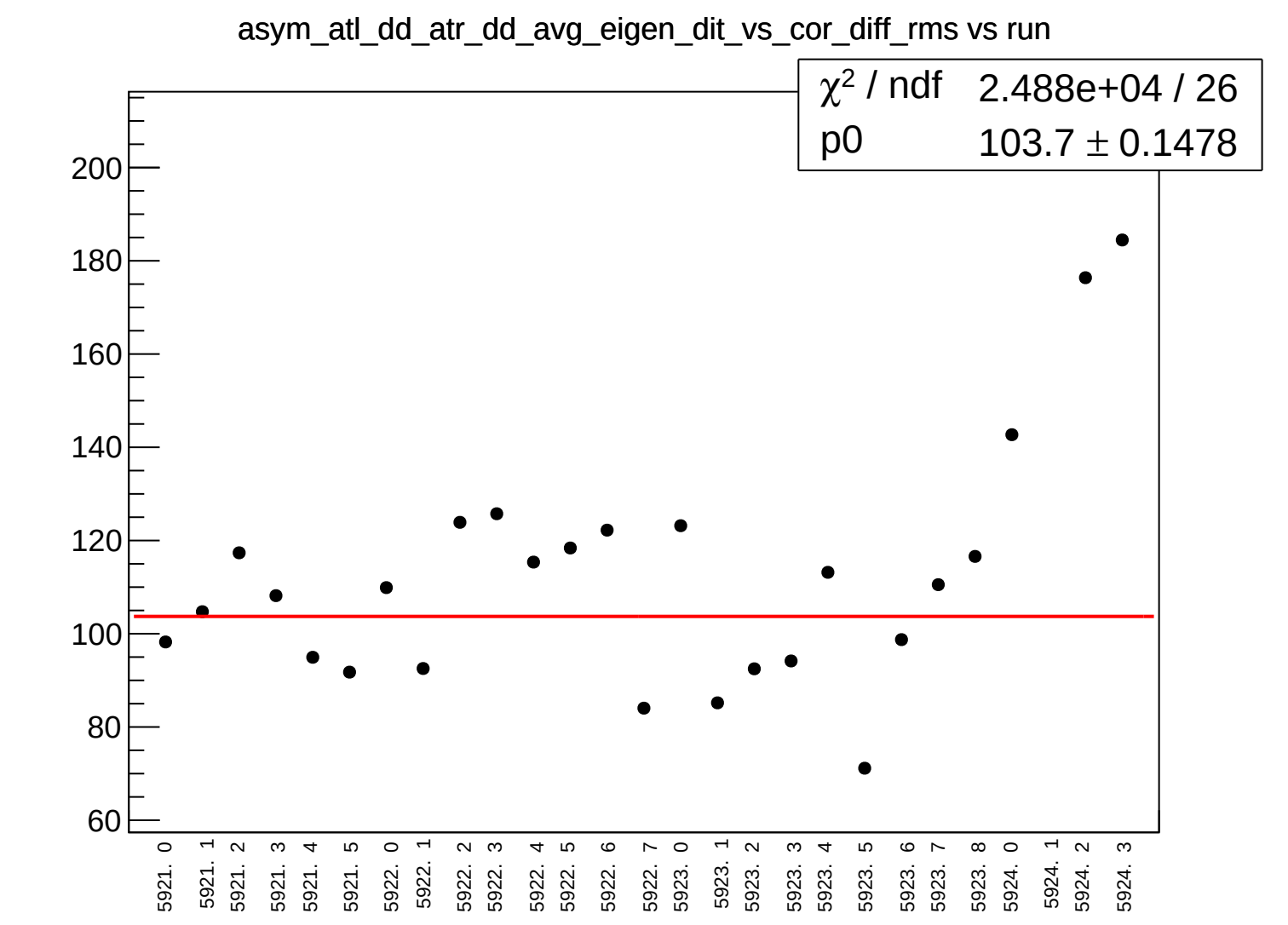

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.488e+04 / 26
p0 103.7 ± 0.1478
200
180
160
140
120
100
80
60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

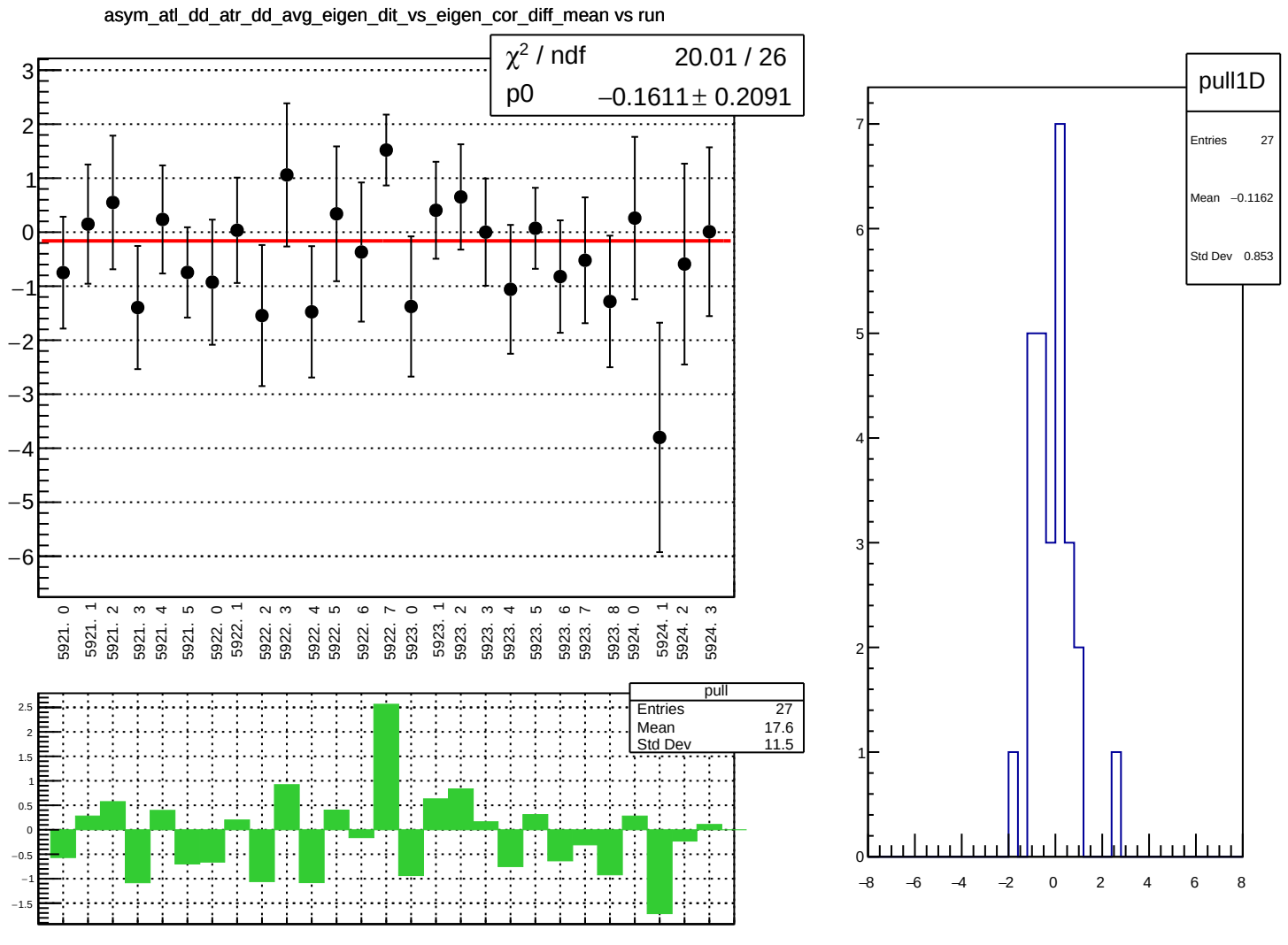

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 28.83 / 26
p0 1.746e−05 ± 2.428e−05
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 77.73
Std Dev 0
2
1
0
−1
−2

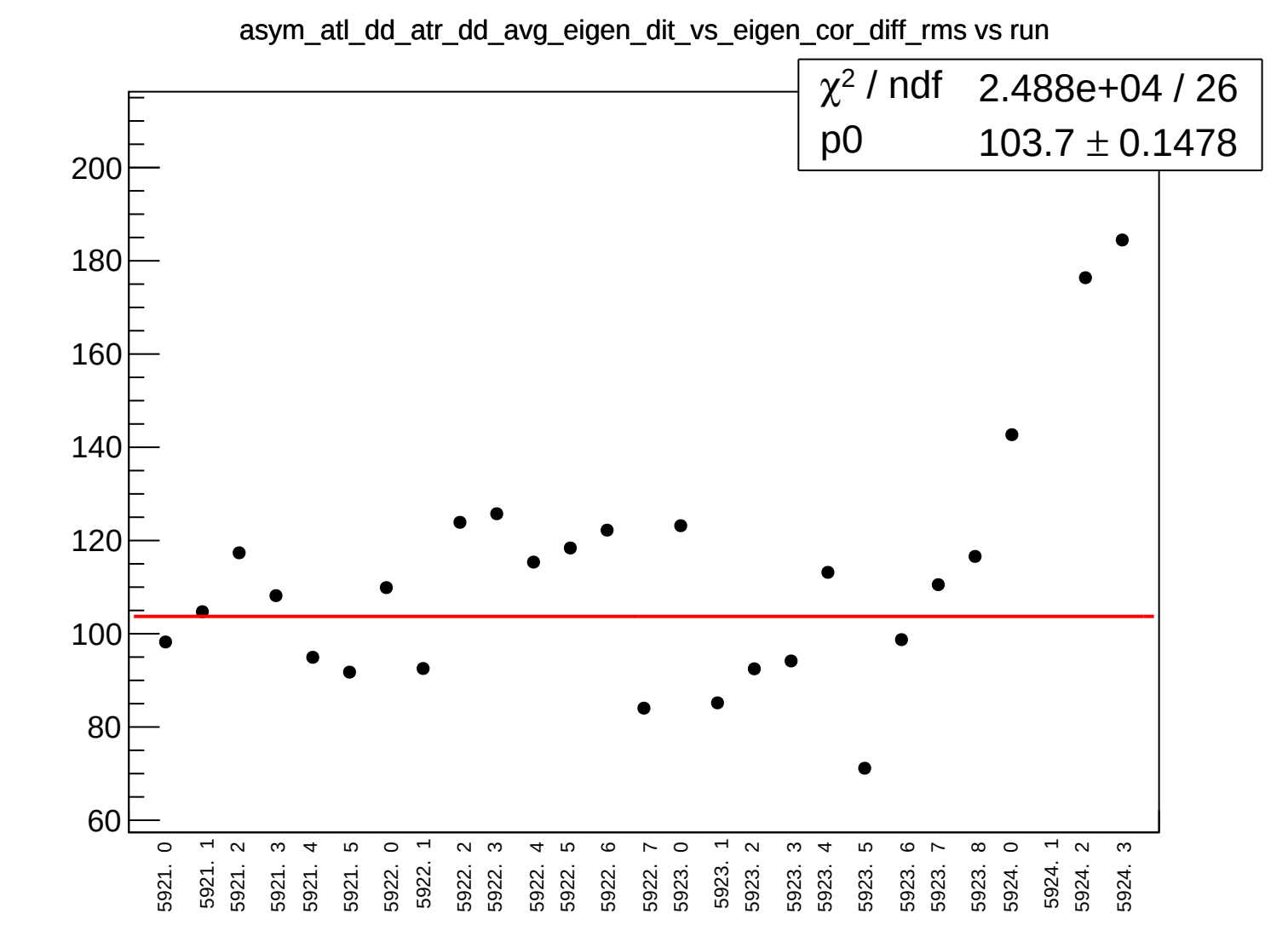

pull1D
Entries 27
Mean −0.01407
Std Dev 1.033
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

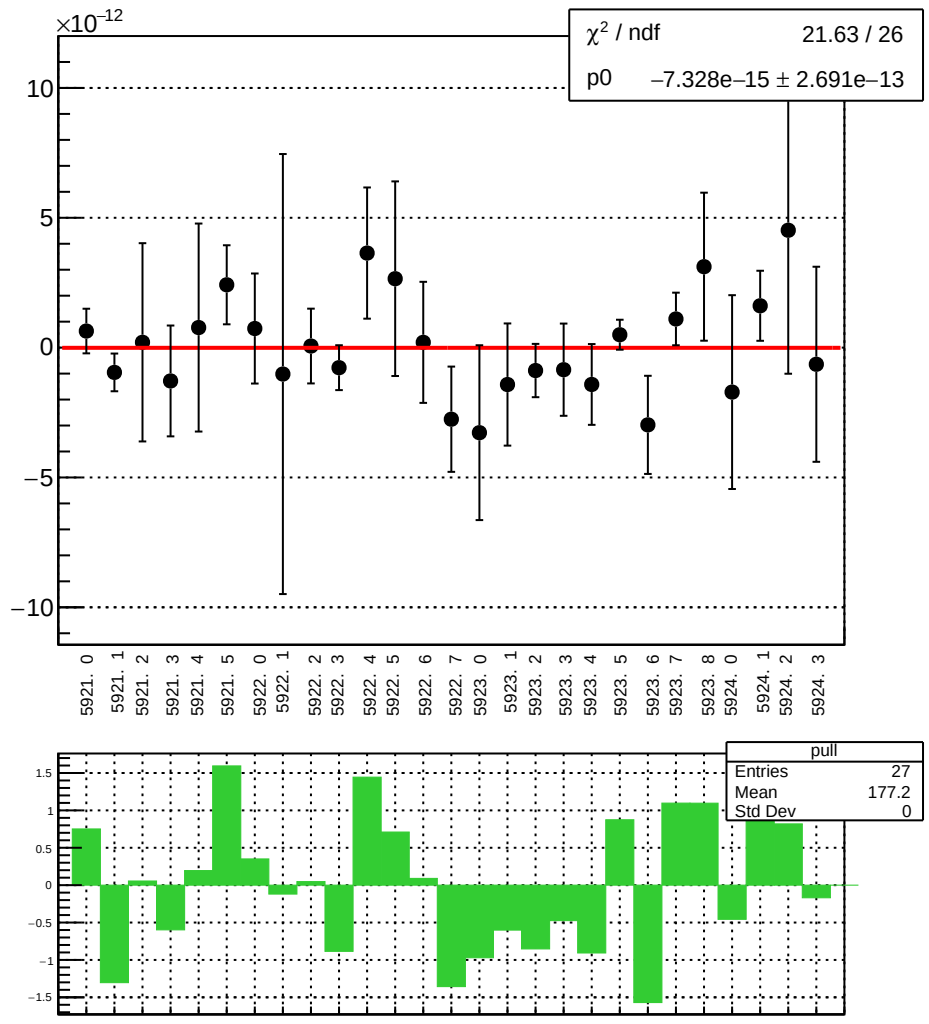

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.061e+04 / 26
p0 0.01222 ± 1.717e–05
0.018
0.017
0.016
0.015
0.014
0.013
0.012
0.011
0.01
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

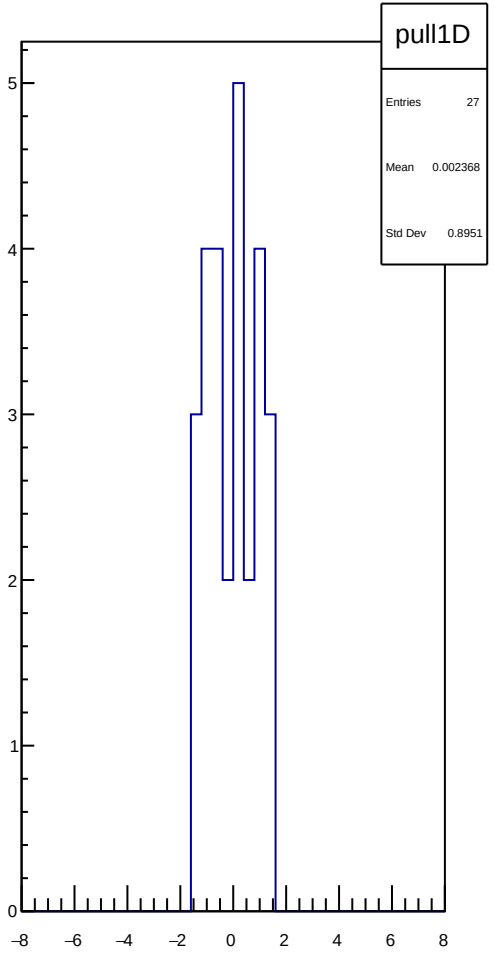

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 20.01 / 26
p0 −0.1611 ± 0.2091
pull
Entries 27
Mean 17.6
Std Dev 11.5
pull1D
Entries 27
Mean −0.1162
Std Dev 0.853

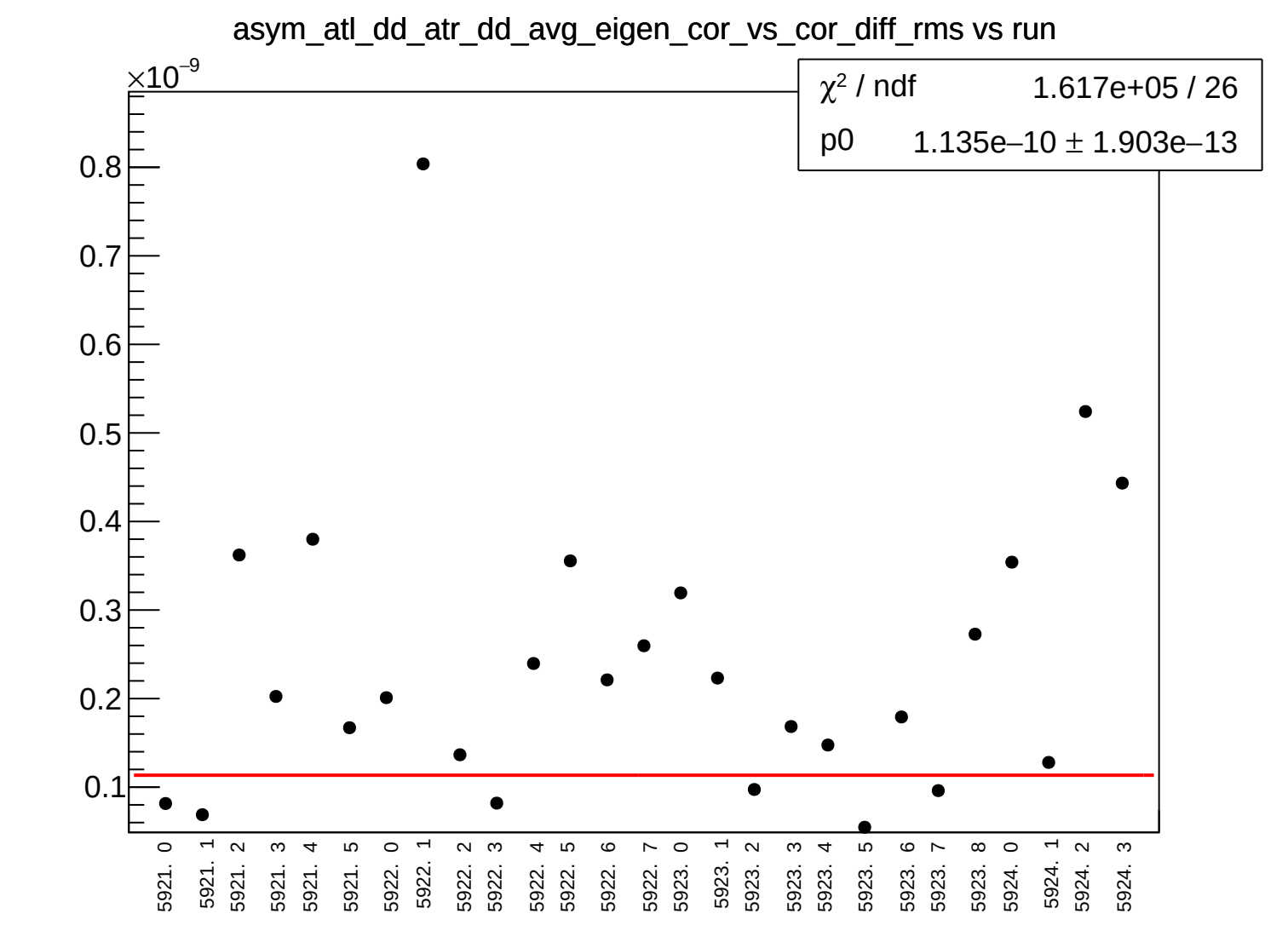

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.488e+04 / 26
p0 103.7 ± 0.1478
200
180
160
140
120
100
80
60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

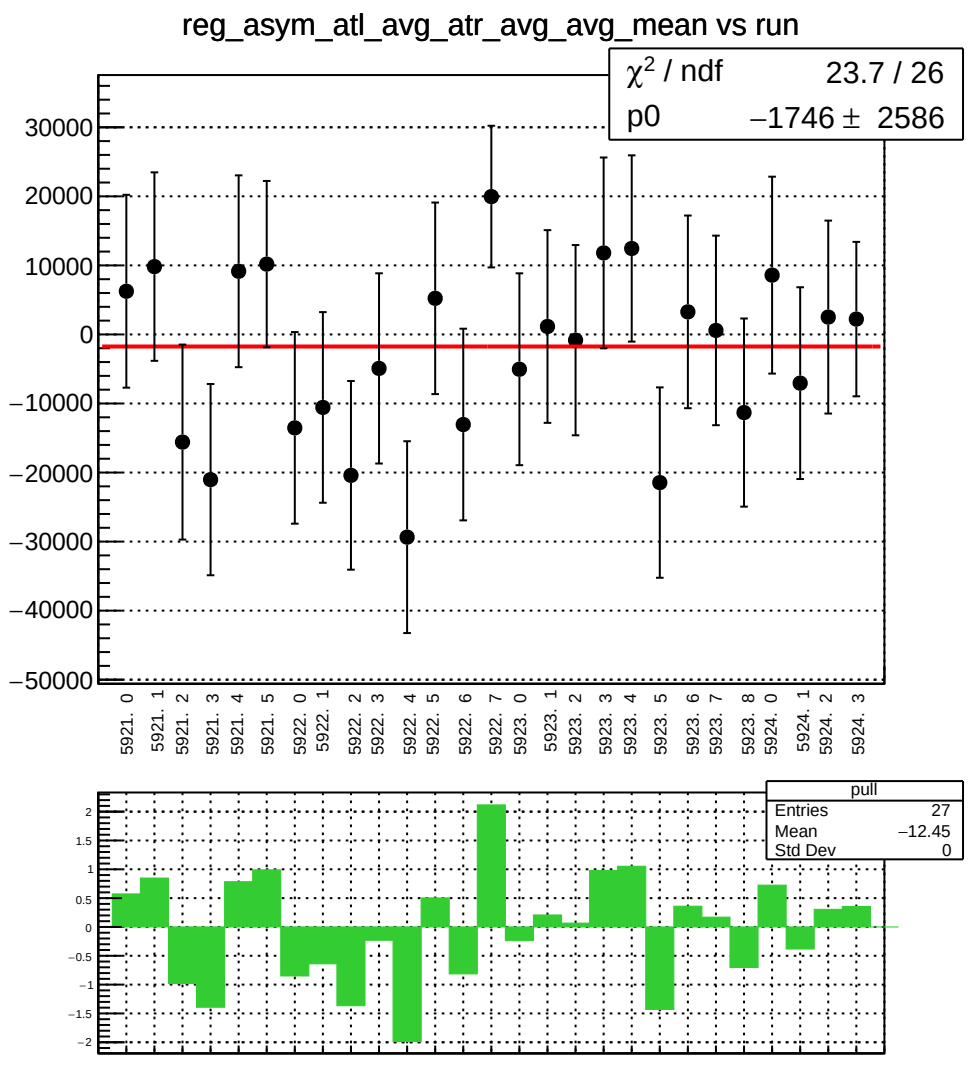

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 20.01 / 26
p0 −0.1611 ± 0.2091
pull
Entries 27
Mean 17.6
Std Dev 11.5
pull1D
Entries 27
Mean −0.1162
Std Dev 0.853

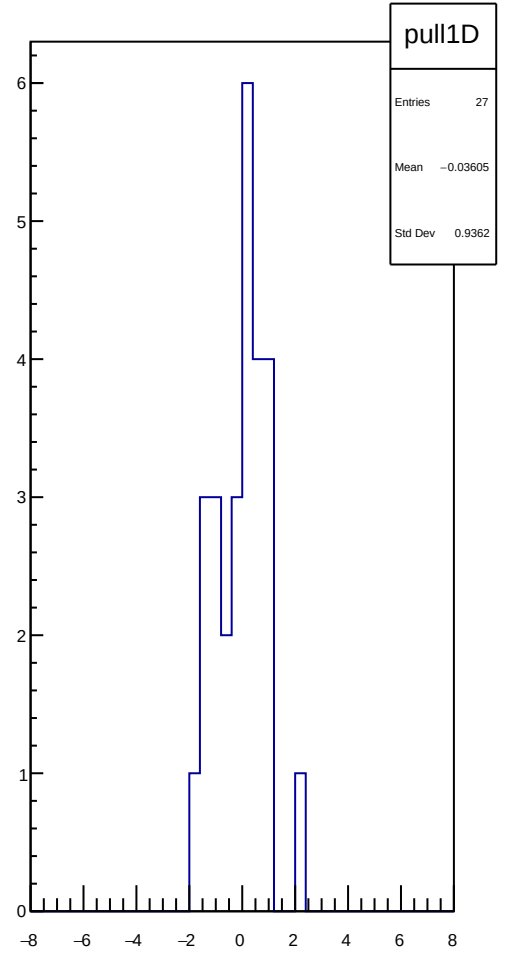

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.488e+04 / 26
p0 103.7 ± 0.1478
200
180
160
140
120
100
80
60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

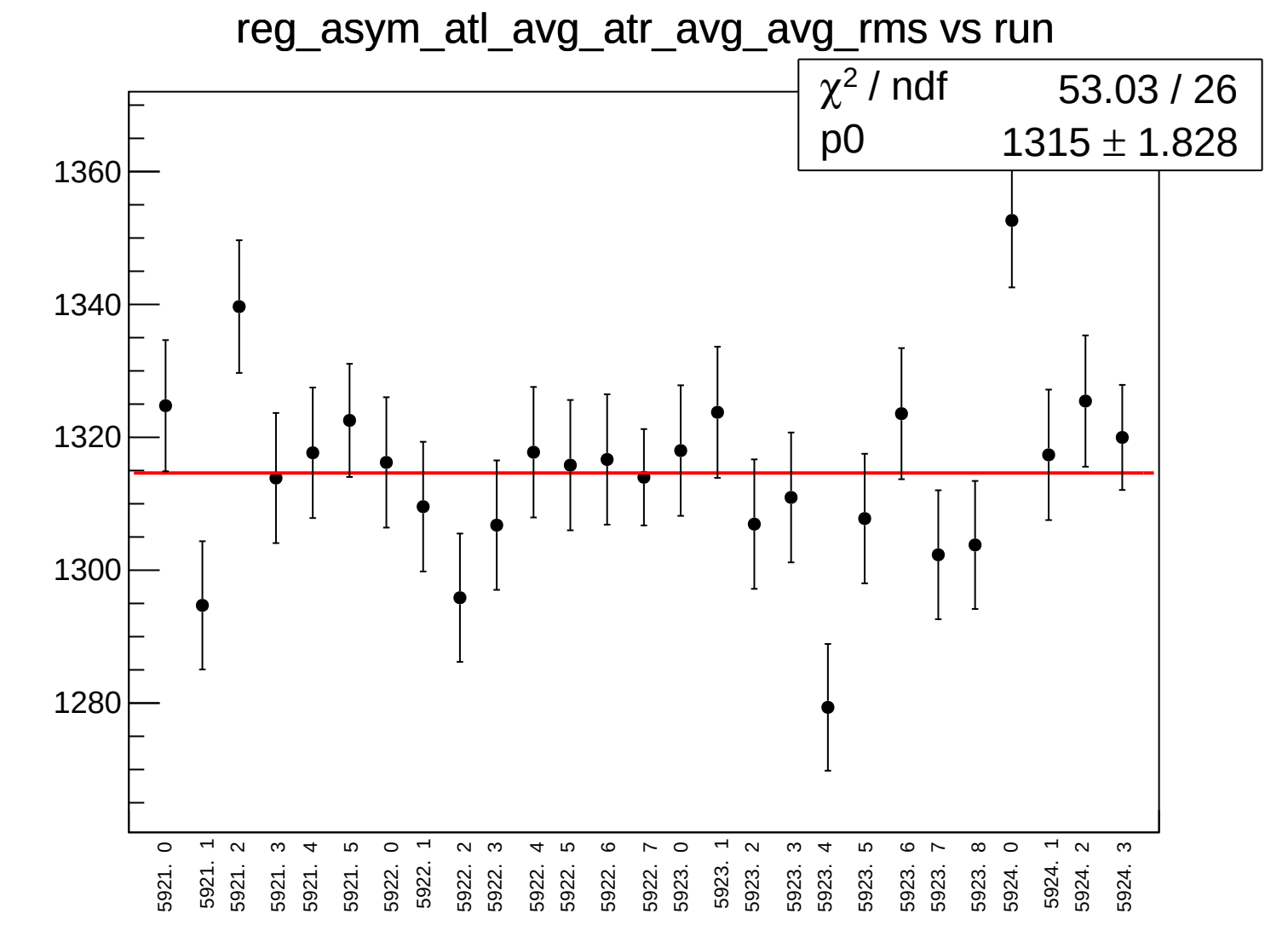

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 21.63 / 26
p0 −7.328e−15 ± 2.691e−13
10
5
0
−5
−10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 177.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

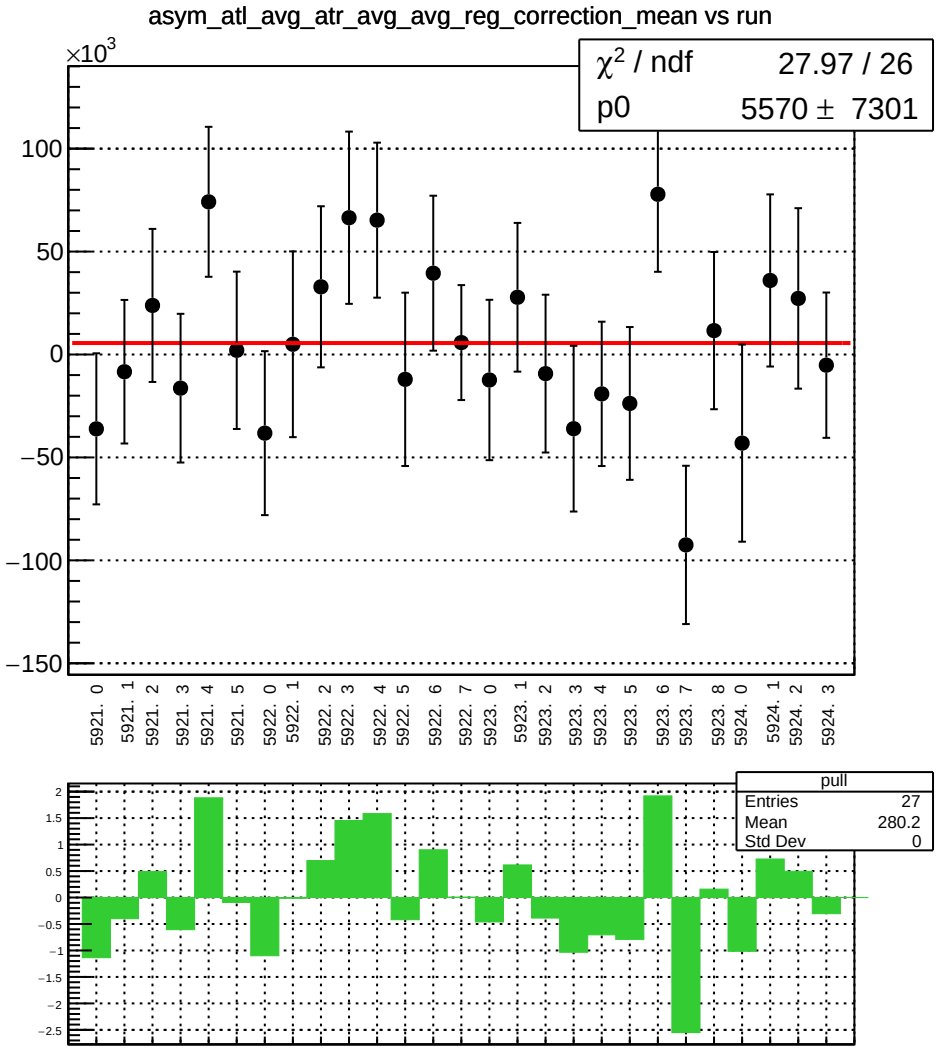

pull1D
Entries 27
Mean 0.002368
Std Dev 0.8951
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

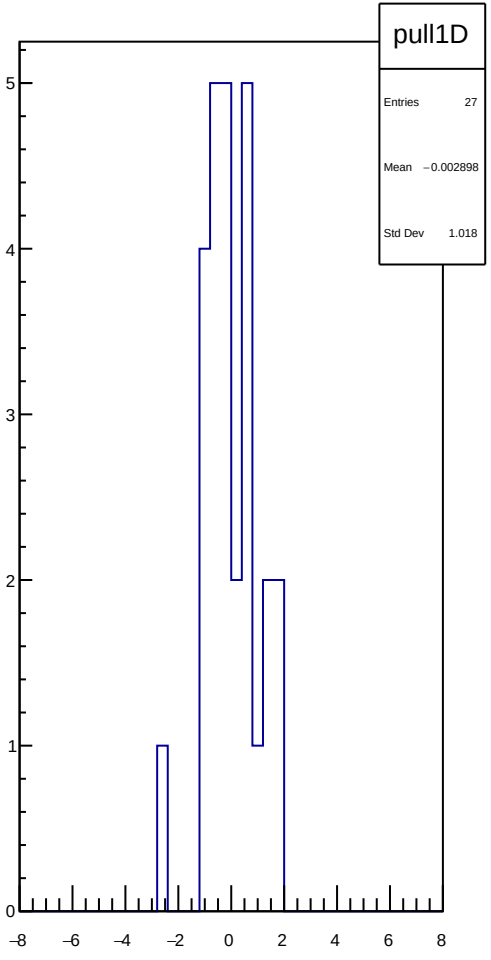

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.617e+05 / 26
p0 1.135e−10 ± 1.903e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

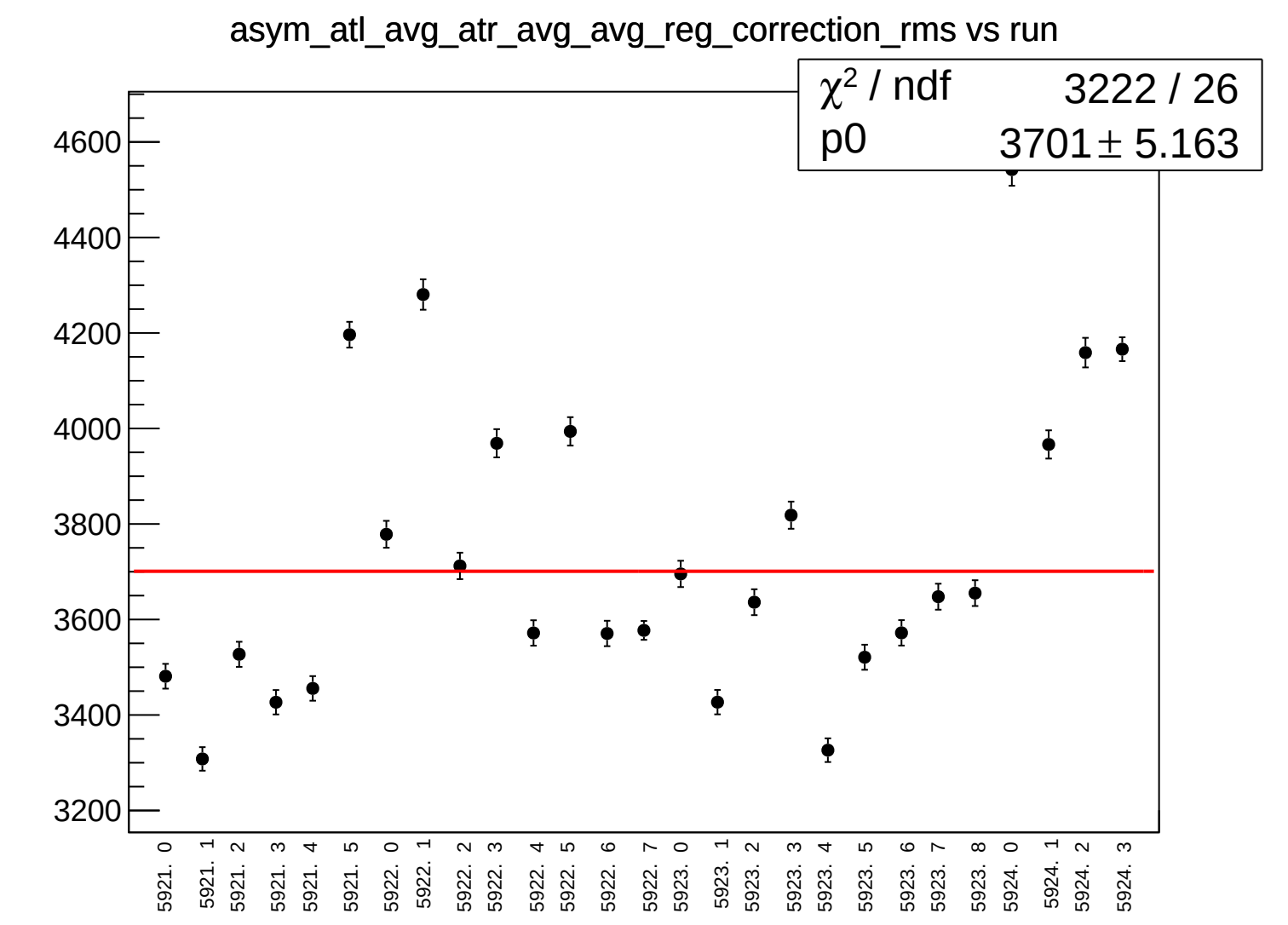

reg_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 23.7 / 26
p0 −1746 ± 2586
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −12.45
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

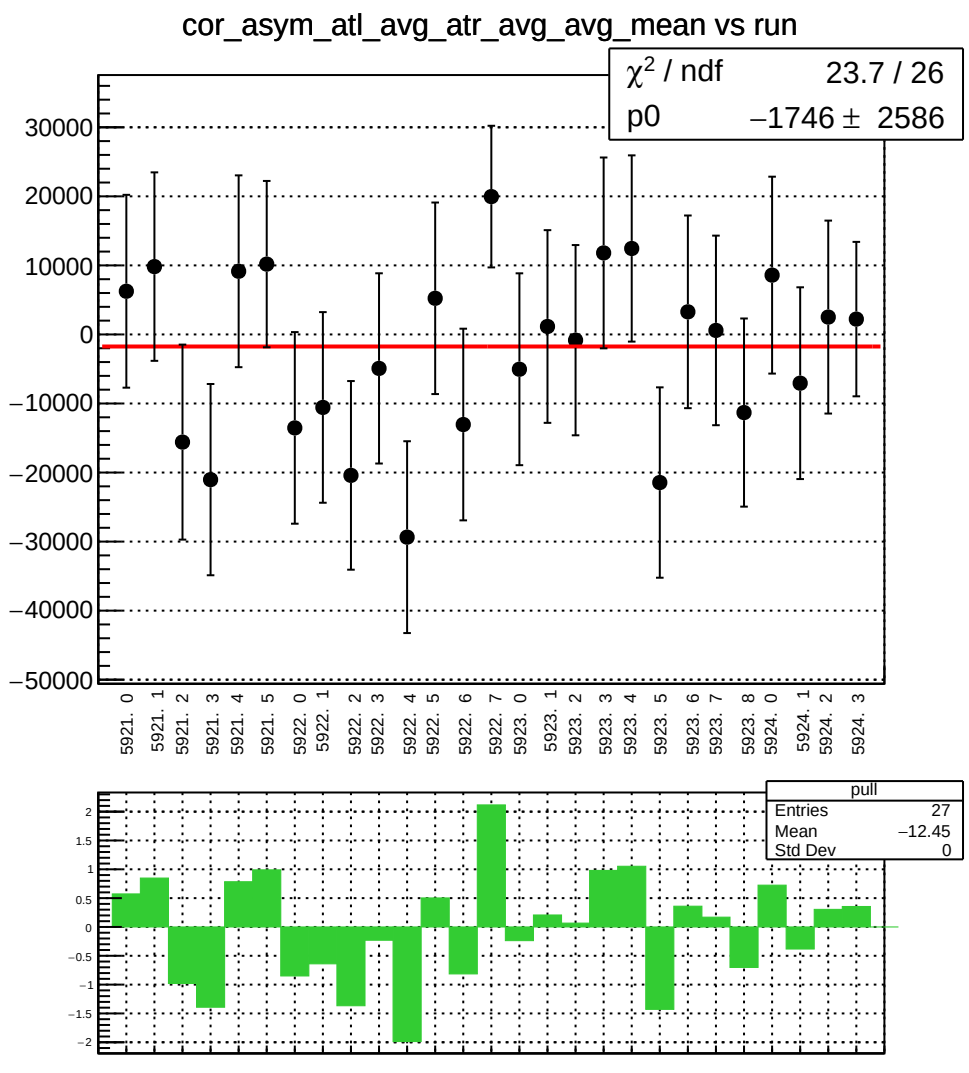

pull1D
Entries 27
Mean −0.03605
Std Dev 0.9362
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

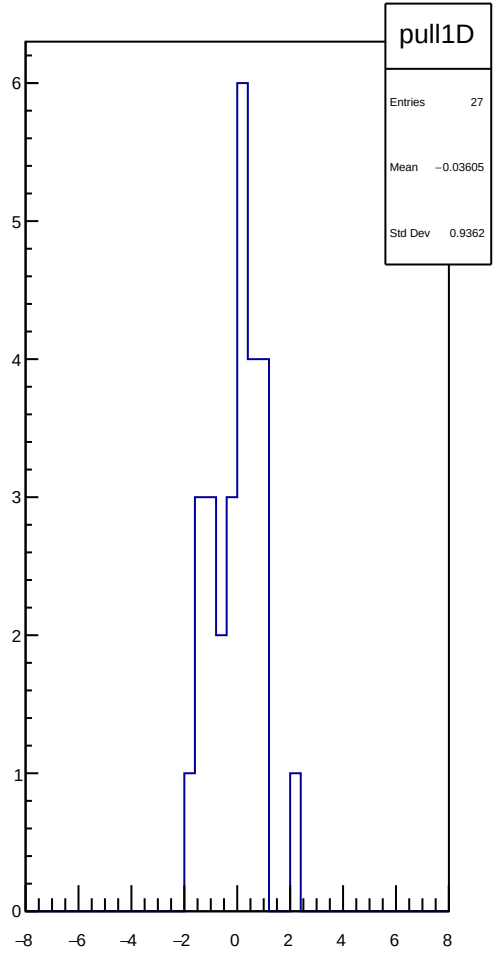

reg_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 53.03 / 26
p0 1315 ± 1.828
1360
1340
1320
1300
1280
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

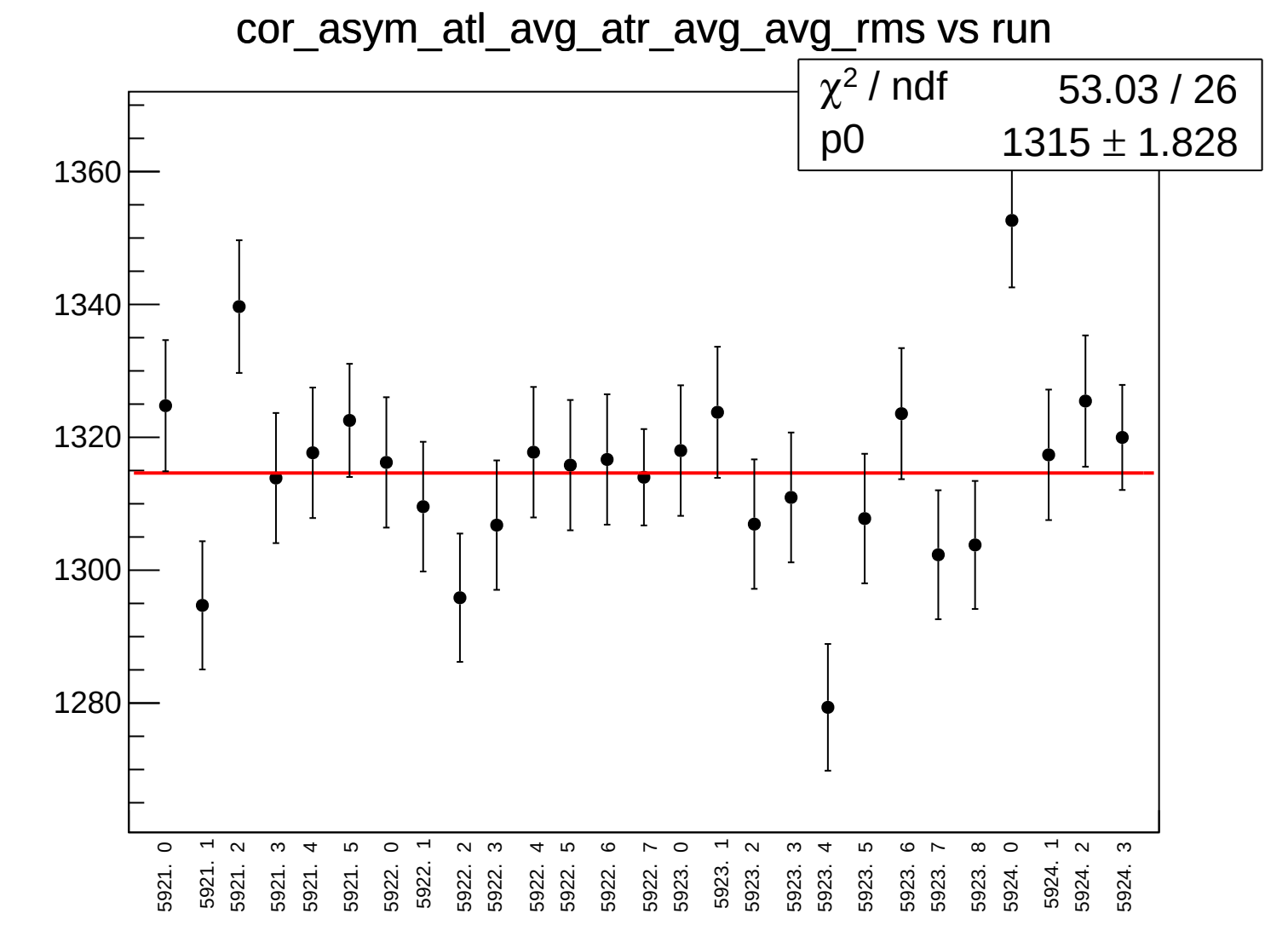

asym_atl_avg_atr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 27.97 / 26
p0 5570 ± 7301
100
50
0
−50
−100
−150
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 280.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

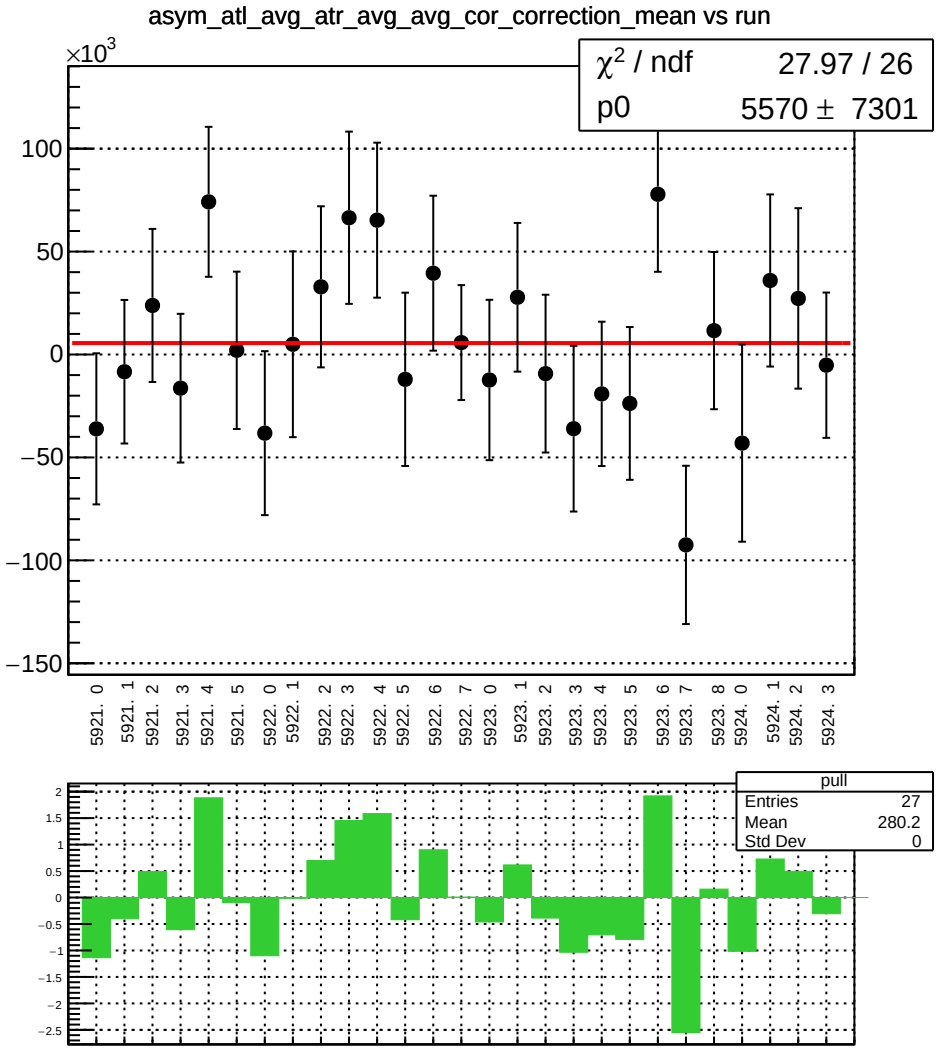

pull1D
Entries 27
Mean −0.002898
Std Dev 1.018
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

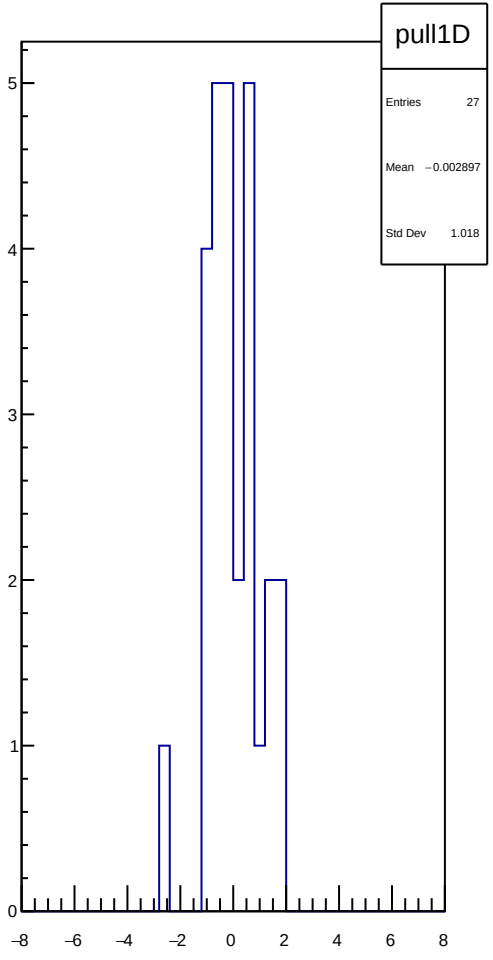

asym_atl_avg_atr_avg_avg_reg_correction_rms vs run
χ² / ndf 3222 / 26
p0 3701 ± 5.163
4600
4400
4200
4000
3800
3600
3400
3200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

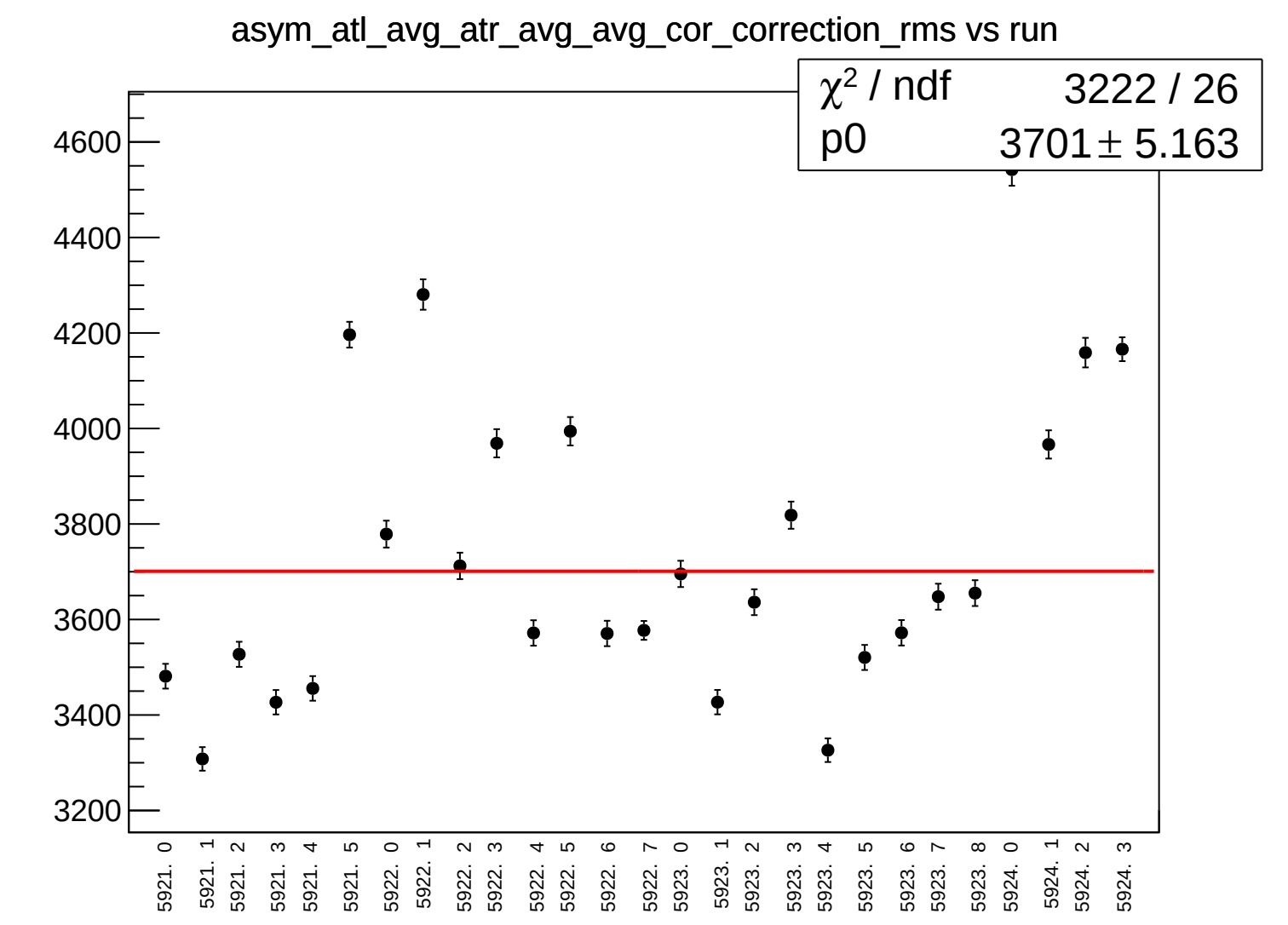

cor_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 23.7 / 26
p0 −1746 ± 2586
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −12.45
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

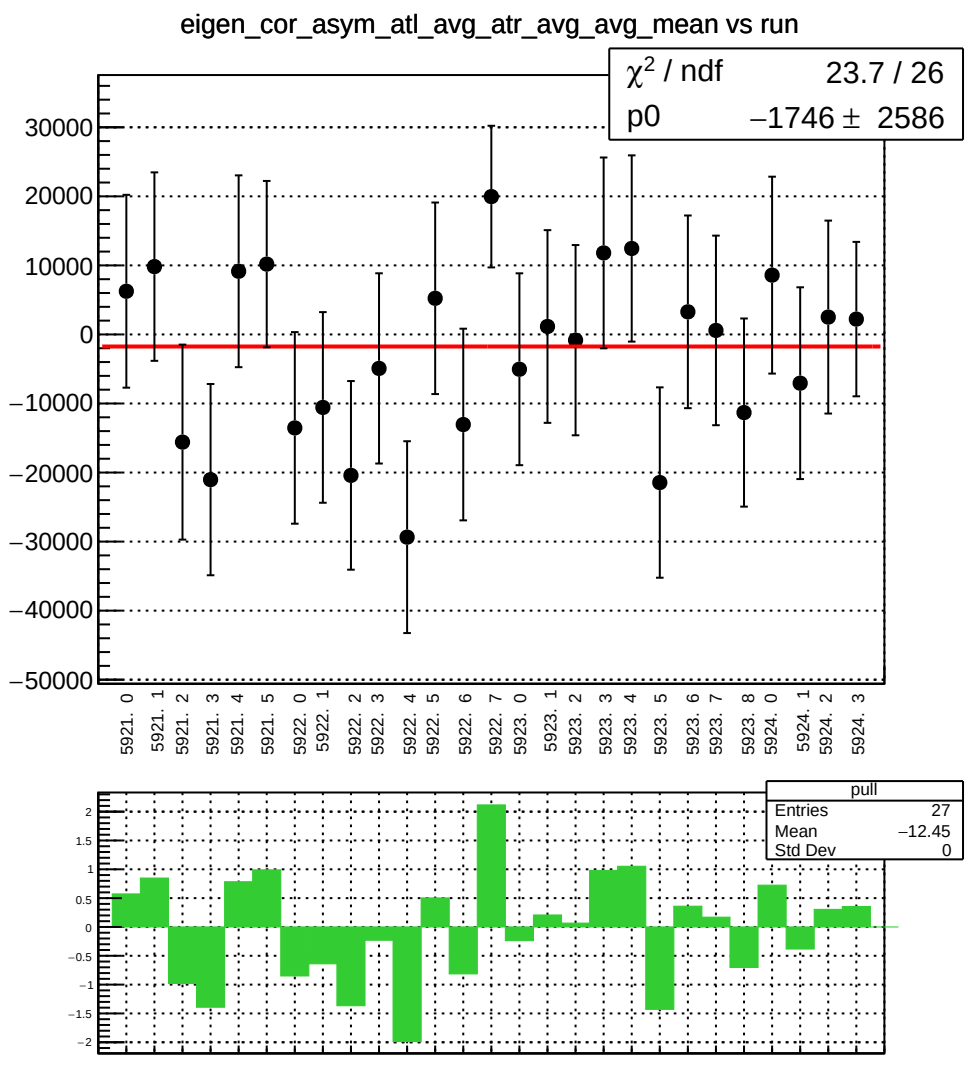

pull1D
Entries 27
Mean −0.03605
Std Dev 0.9362
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

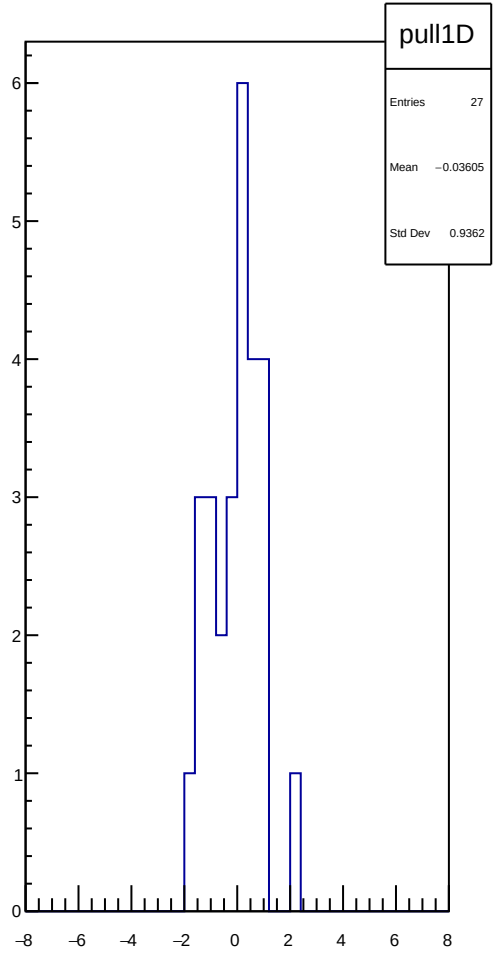

cor_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 53.03 / 26
p0 1315 ± 1.828
1360
1340
1320
1300
1280
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

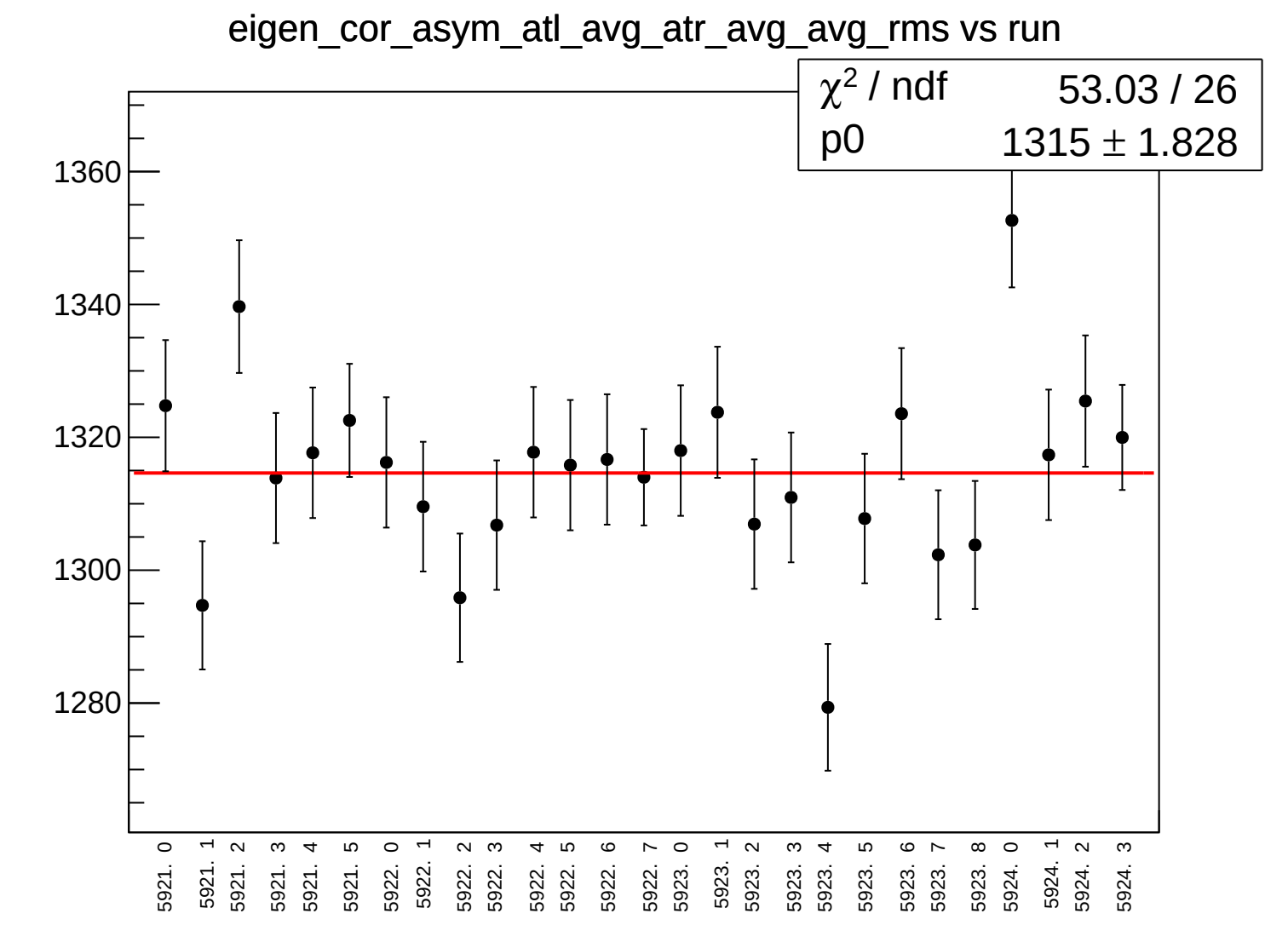

asym_atl_avg_atr_avg_avg_cor_correction_mean vs run
×10^3
χ^2 / ndf 27.97 / 26
p0 5570 ± 7301
100
50
0
−50
−100
−150
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 280.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

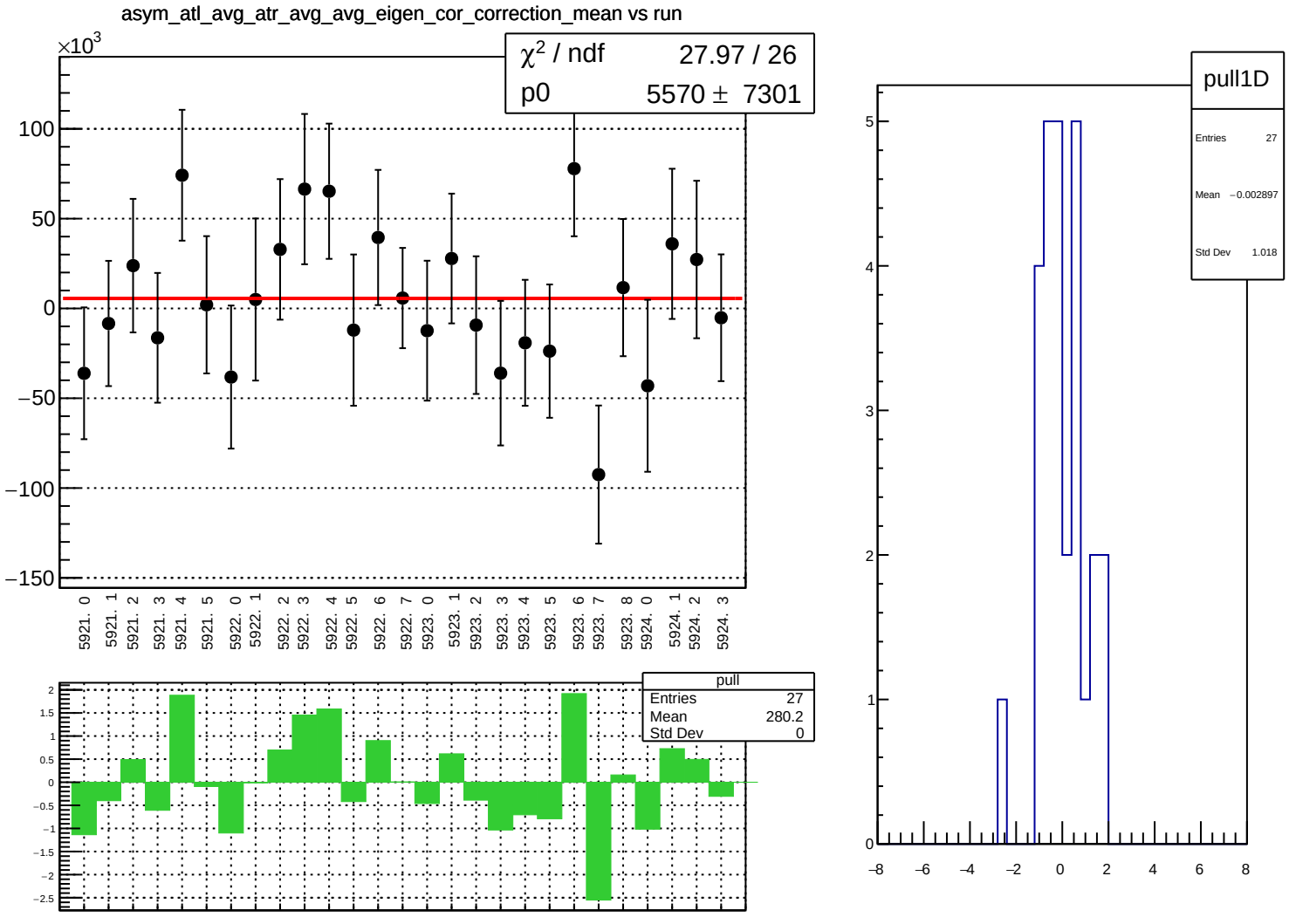

pull1D
Entries 27
Mean −0.002897
Std Dev 1.018
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

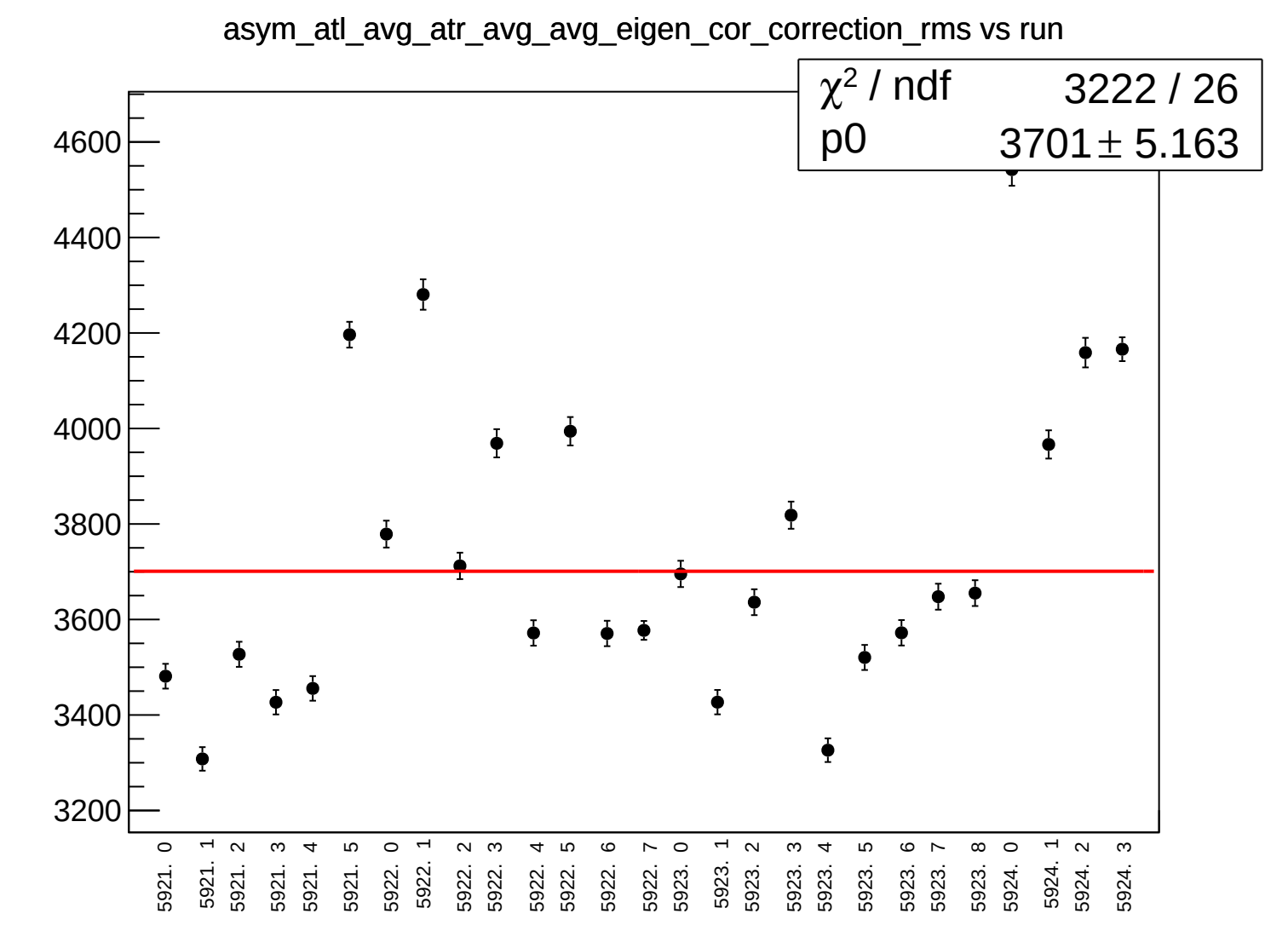

asym_atl_avg_atr_avg_avg_cor_correction_rms vs run
χ² / ndf 3222 / 26
p0 3701 ± 5.163
4600
4400
4200
4000
3800
3600
3400
3200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

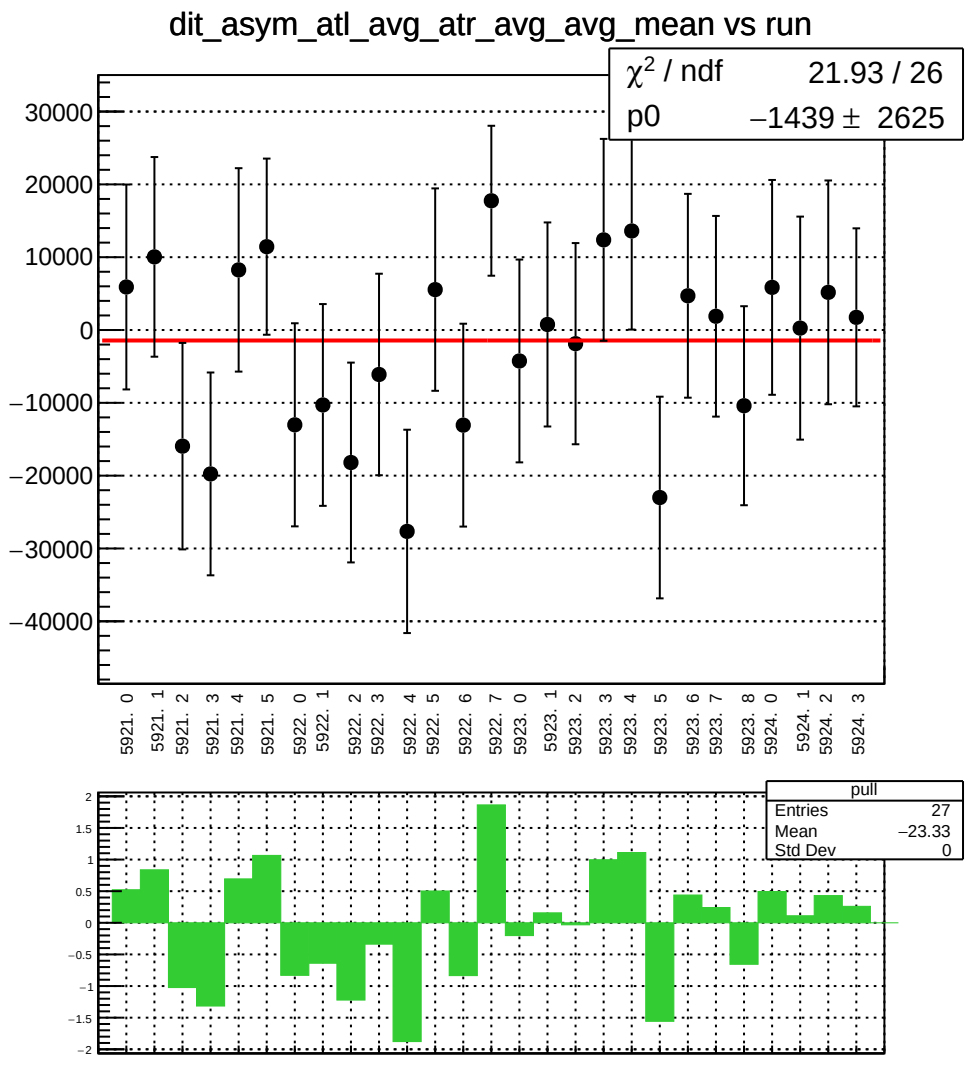

eigen_cor_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 23.7 / 26
p0 −1746 ± 2586
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −12.45
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

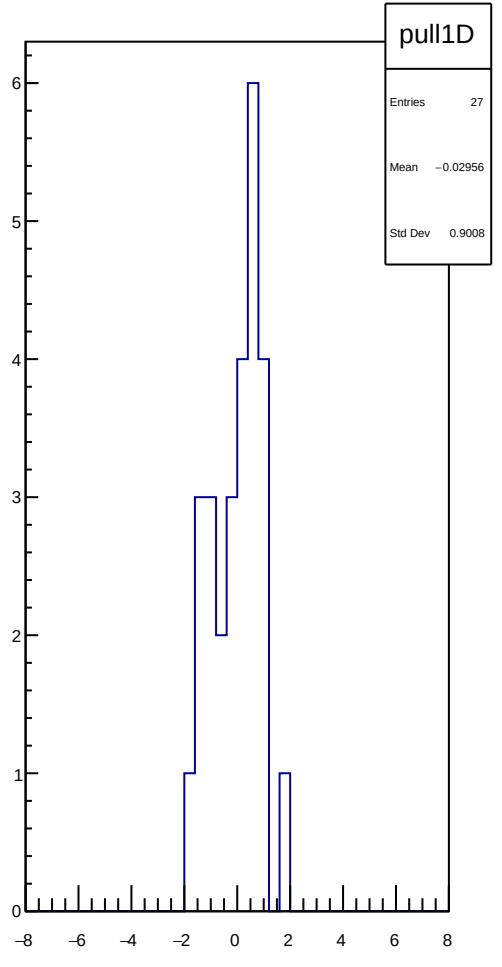

pull1D
Entries 27
Mean −0.03605
Std Dev 0.9362
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

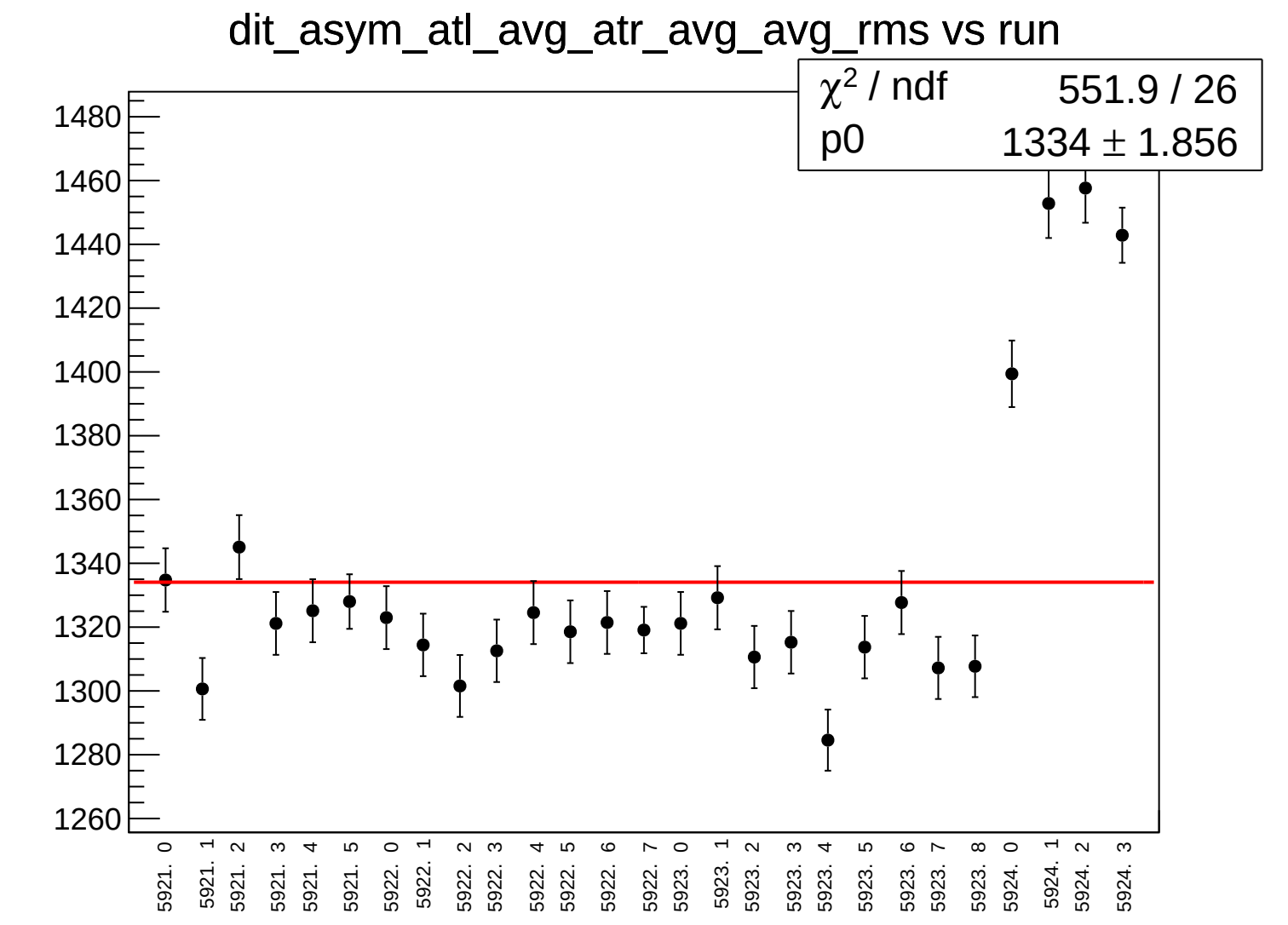

eigen_cor_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 53.03 / 26
p0 1315 ± 1.828
1360
1340
1320
1300
1280
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

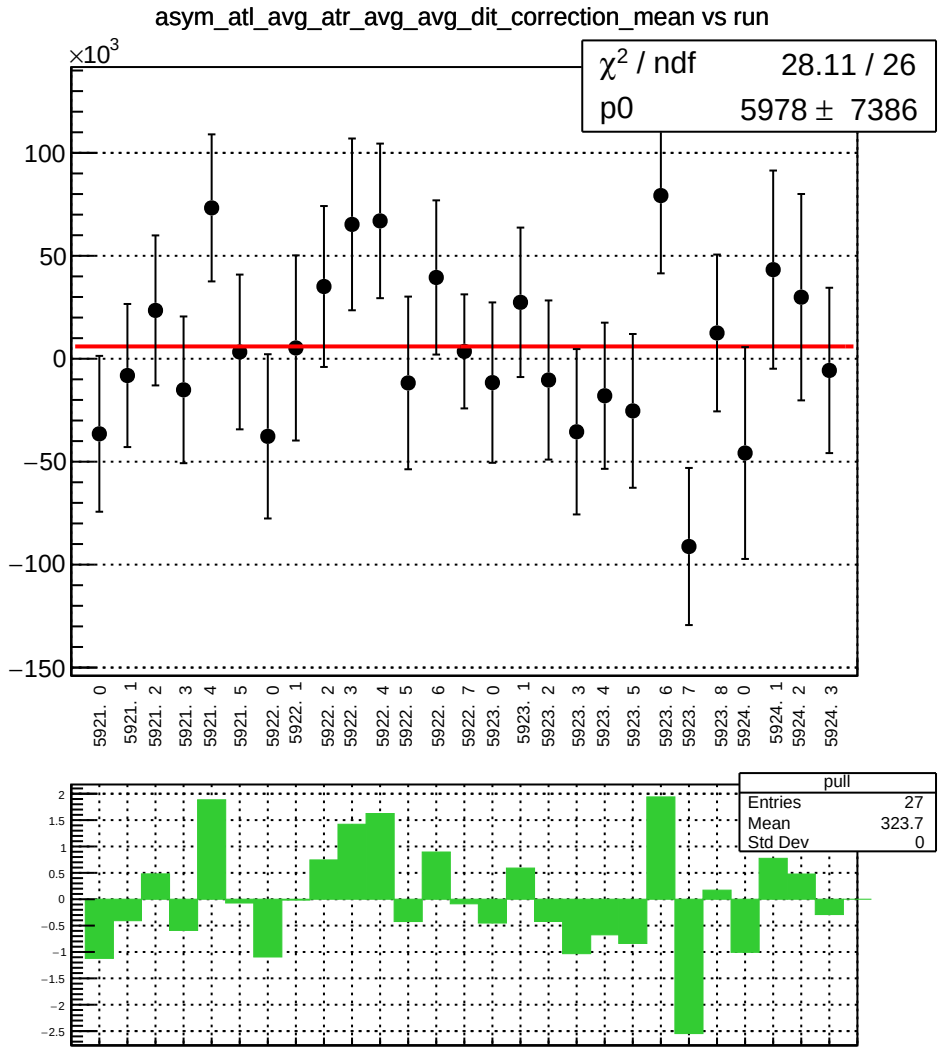

asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 27.97 / 26
p0 5570 ± 7301
100
50
0
−50
−100
−150
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 280.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean −0.002897
Std Dev 1.018
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

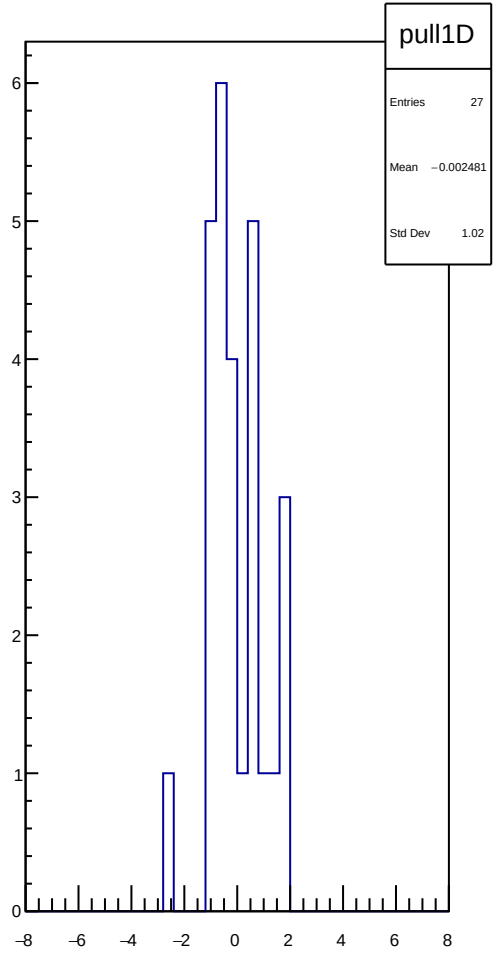

asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 3222 / 26
p0 3701 ± 5.163
4600
4400
4200
4000
3800
3600
3400
3200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

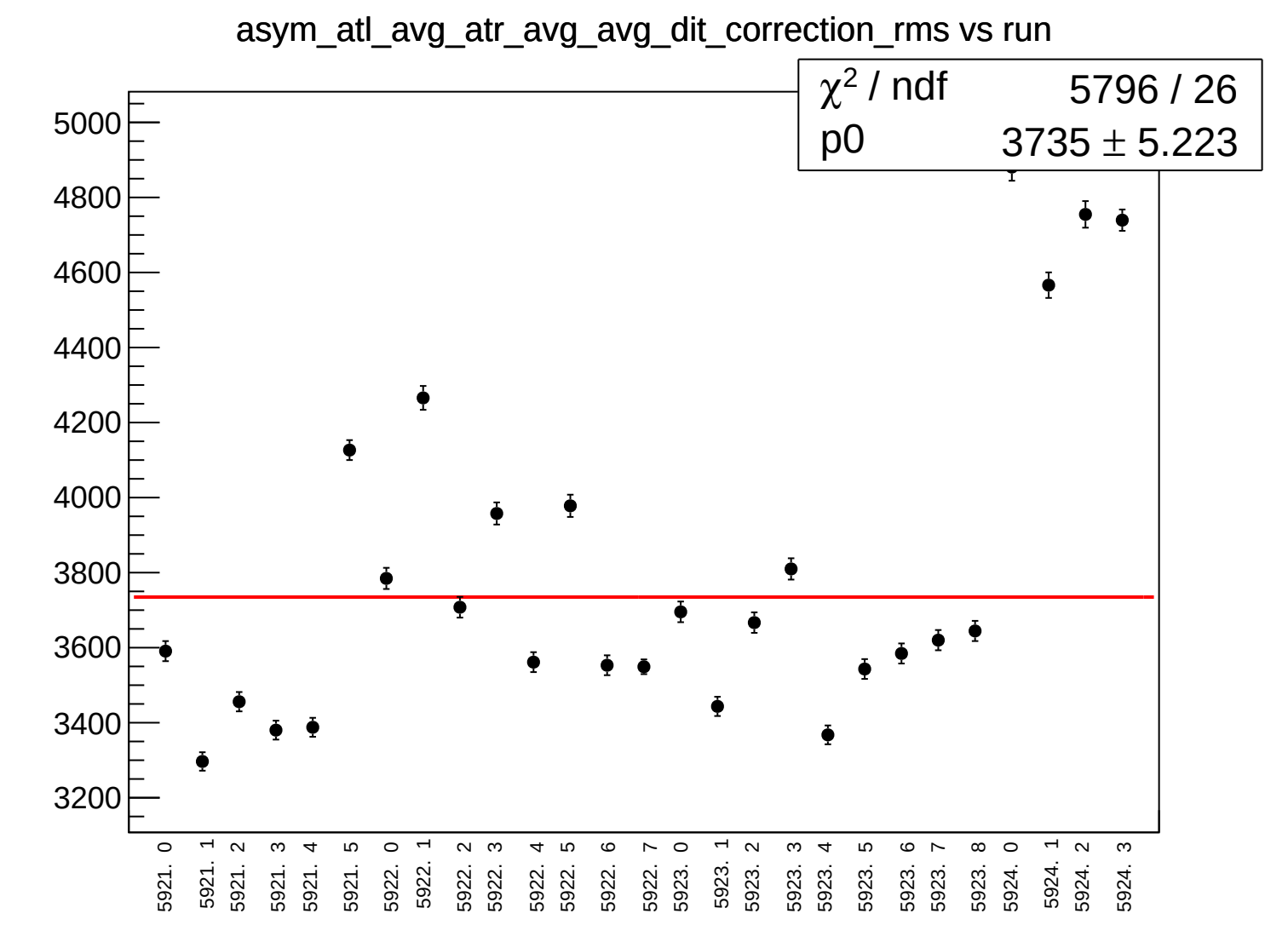

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 21.93 / 26
p0 −1439 ± 2625
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −23.33
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

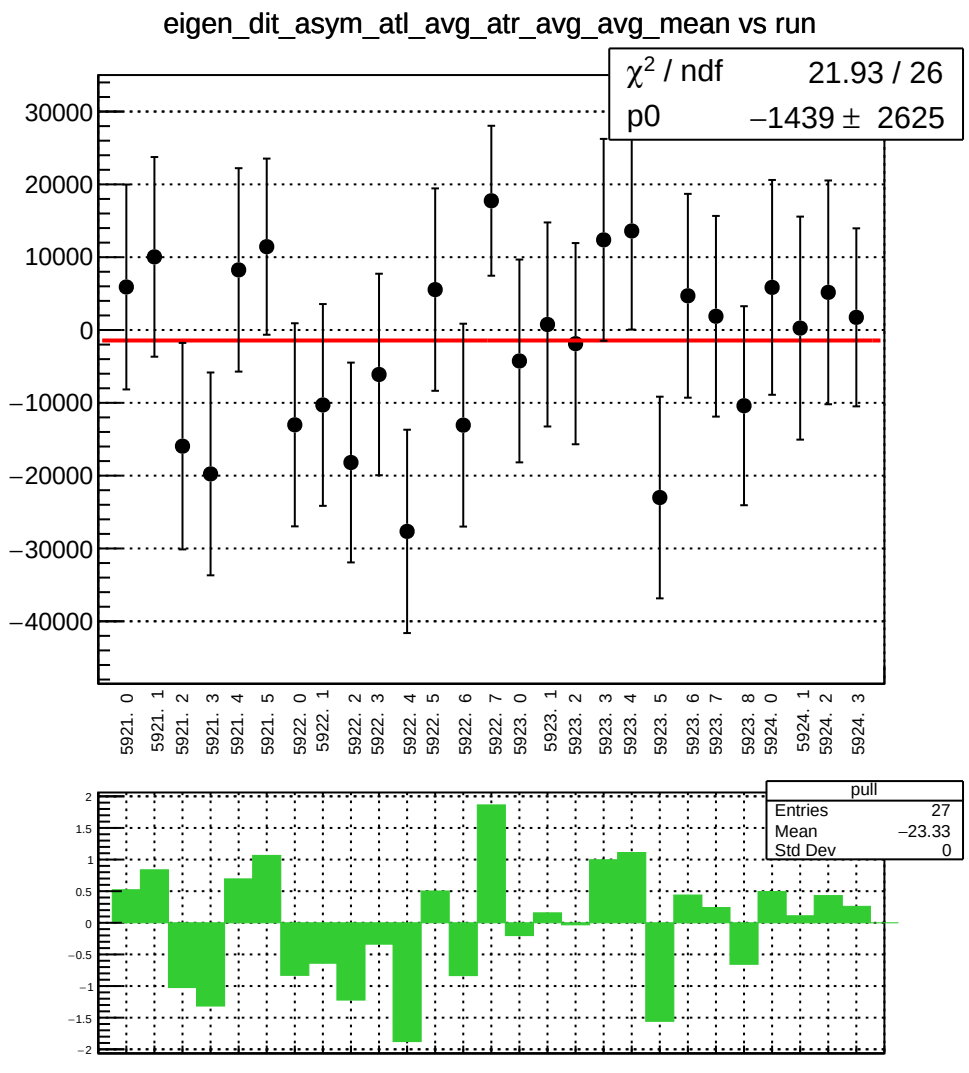

pull1D
Entries 27
Mean −0.02956
Std Dev 0.9008
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

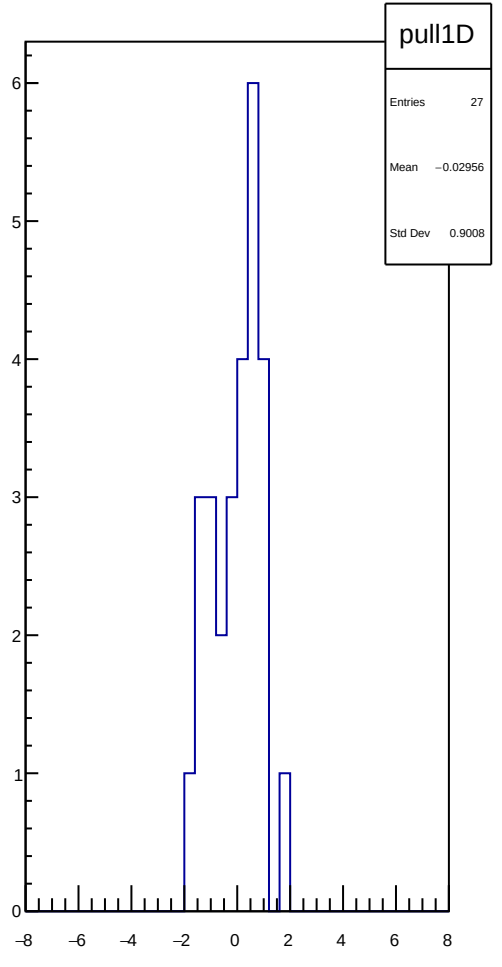

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 551.9 / 26
p0 1334 ± 1.856
1480
1460
1440
1420
1400
1380
1360
1340
1320
1300
1280
1260
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

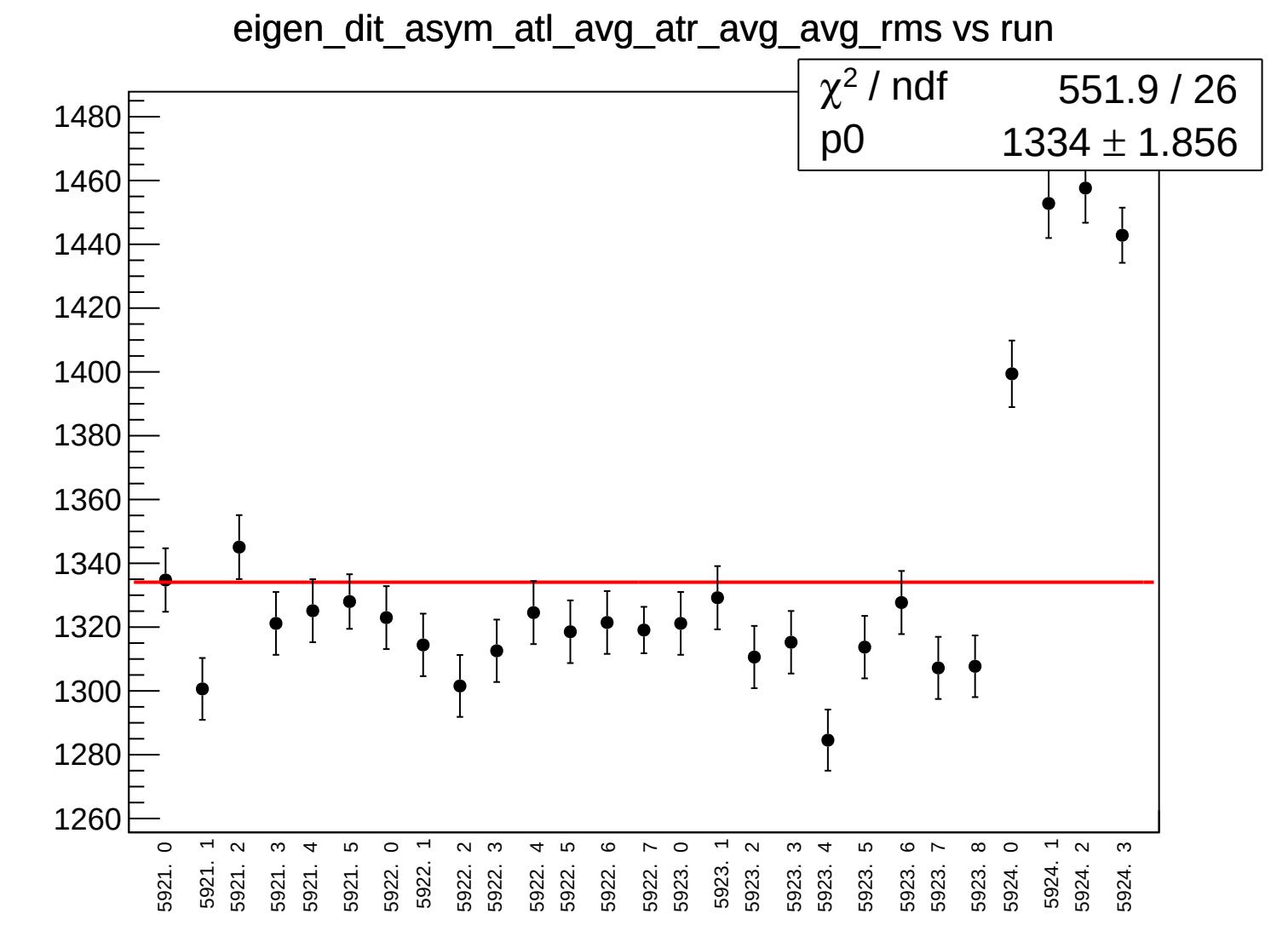

asym_atl_avg_atr_avg_avg_dit_correction_mean vs run
×10^3
χ^2 / ndf 28.11 / 26
p0 5978 ± 7386
100
50
0
−50
−100
−150
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 323.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

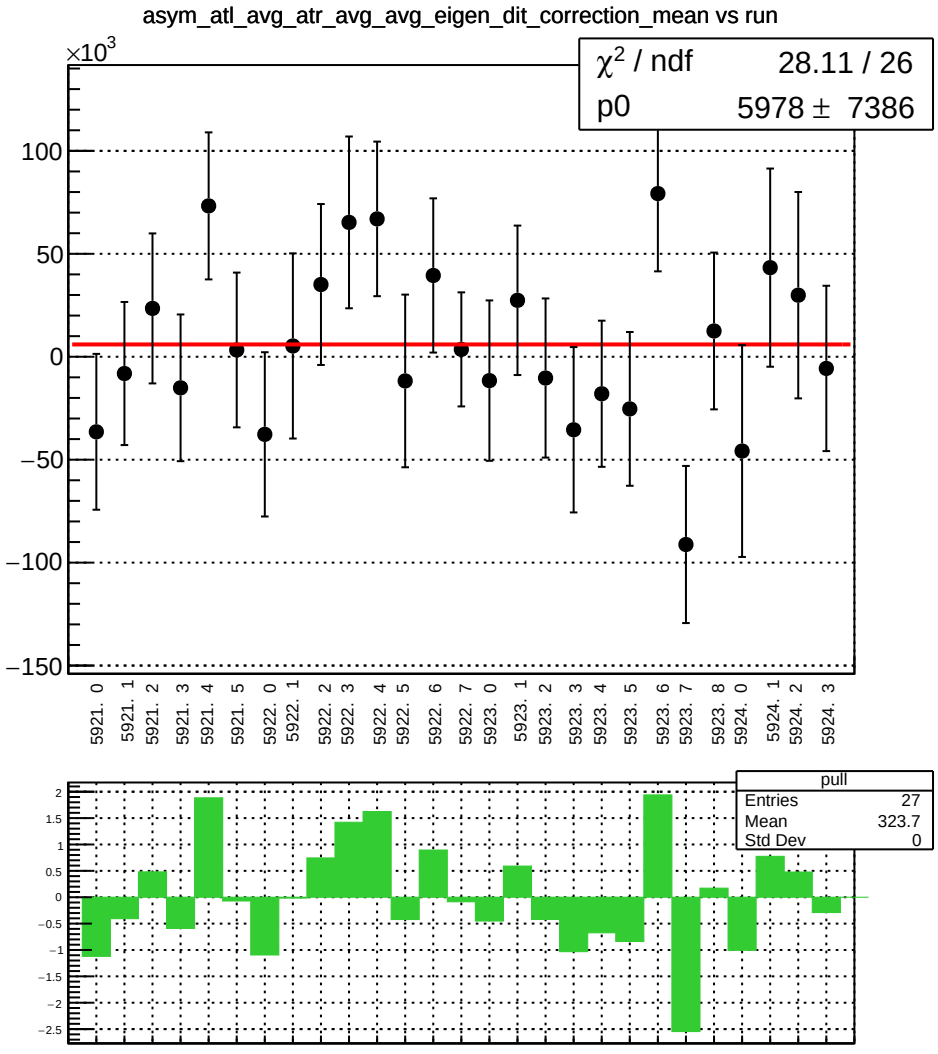

pull1D
Entries 27
Mean −0.002481
Std Dev 1.02
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

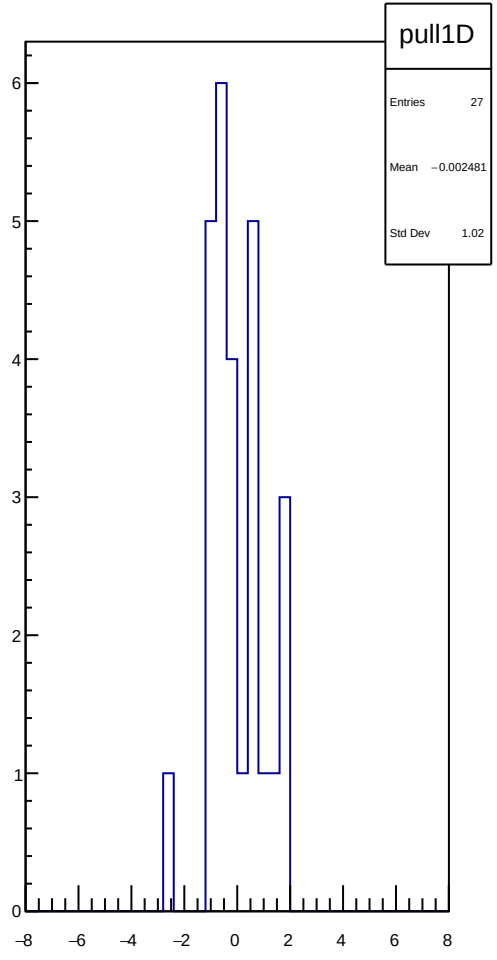

asym_atl_avg_atr_avg_avg_dit_correction_rms vs run
χ² / ndf 5796 / 26
p0 3735 ± 5.223
5000
4800
4600
4400
4200
4000
3800
3600
3400
3200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

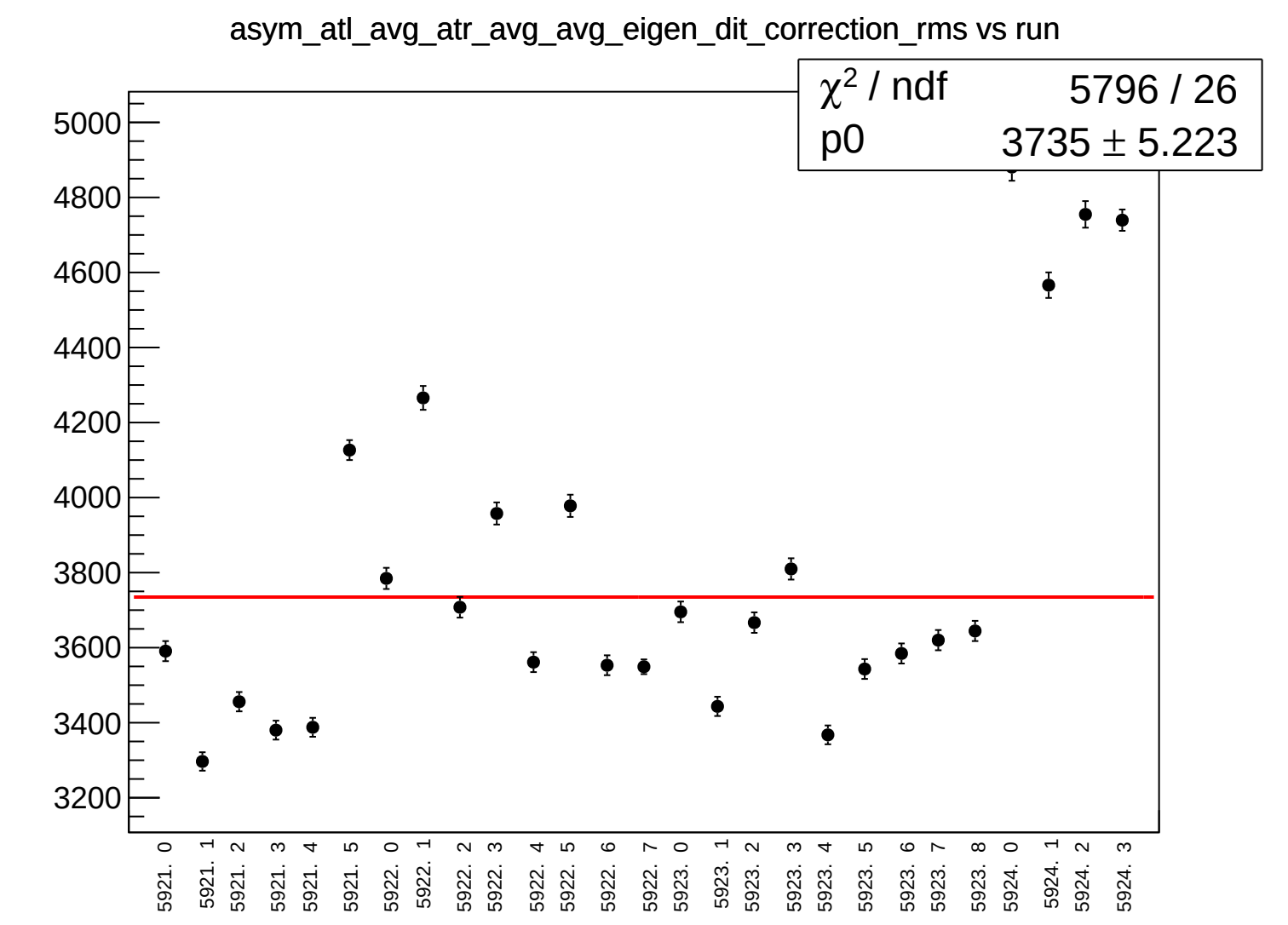

eigen_dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 21.93 / 26
p0 −1439 ± 2625
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −23.33
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

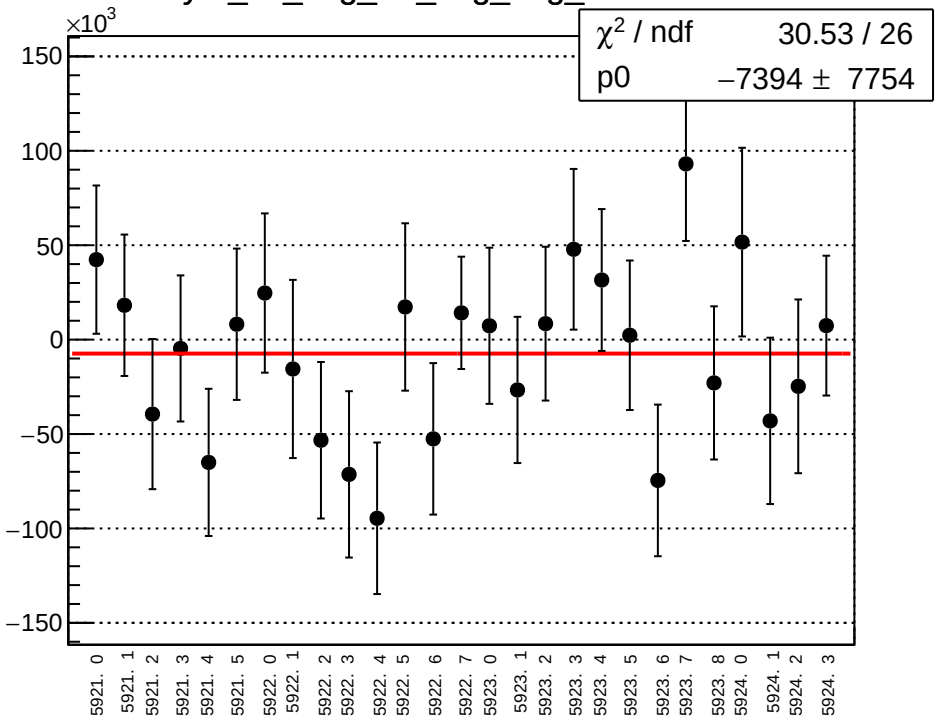

pull1D
Entries 27
Mean −0.02956
Std Dev 0.9008
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

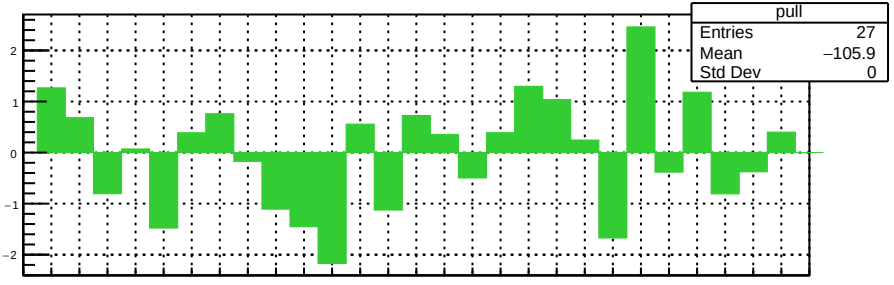

eigen_dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 551.9 / 26
p0 1334 ± 1.856
1480
1460
1440
1420
1400
1380
1360
1340
1320
1300
1280
1260
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

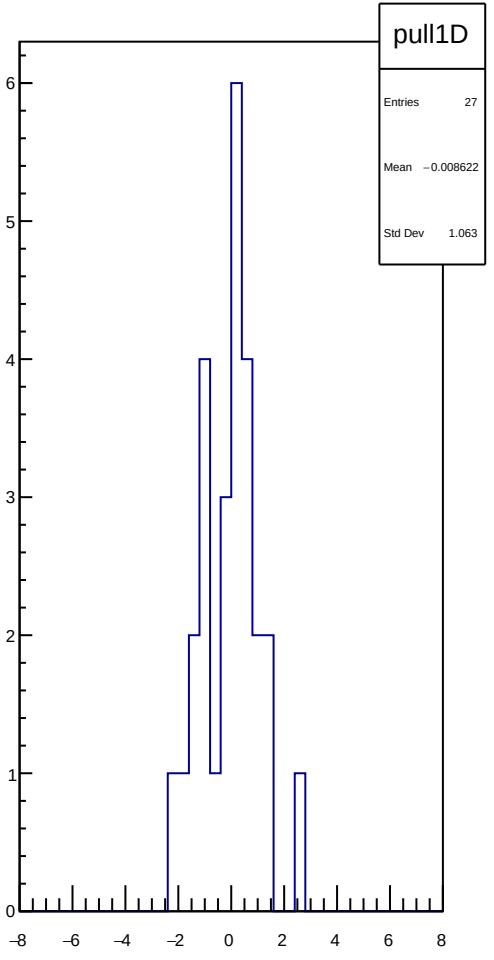

asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 28.11 / 26
p0 5978 ± 7386
100
50
0
−50
−100
−150
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 323.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

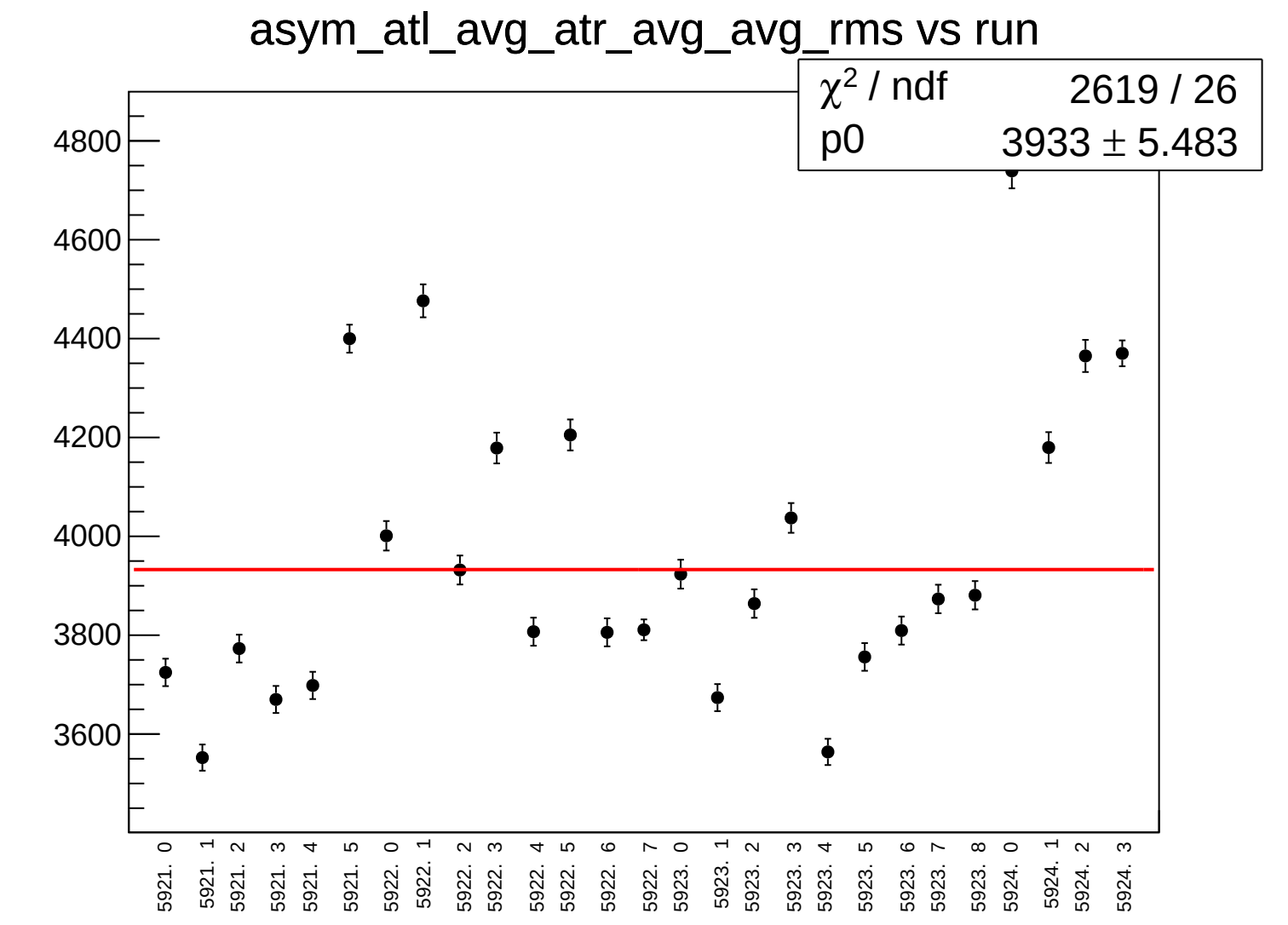

pull1D
Entries 27
Mean −0.002481
Std Dev 1.02
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

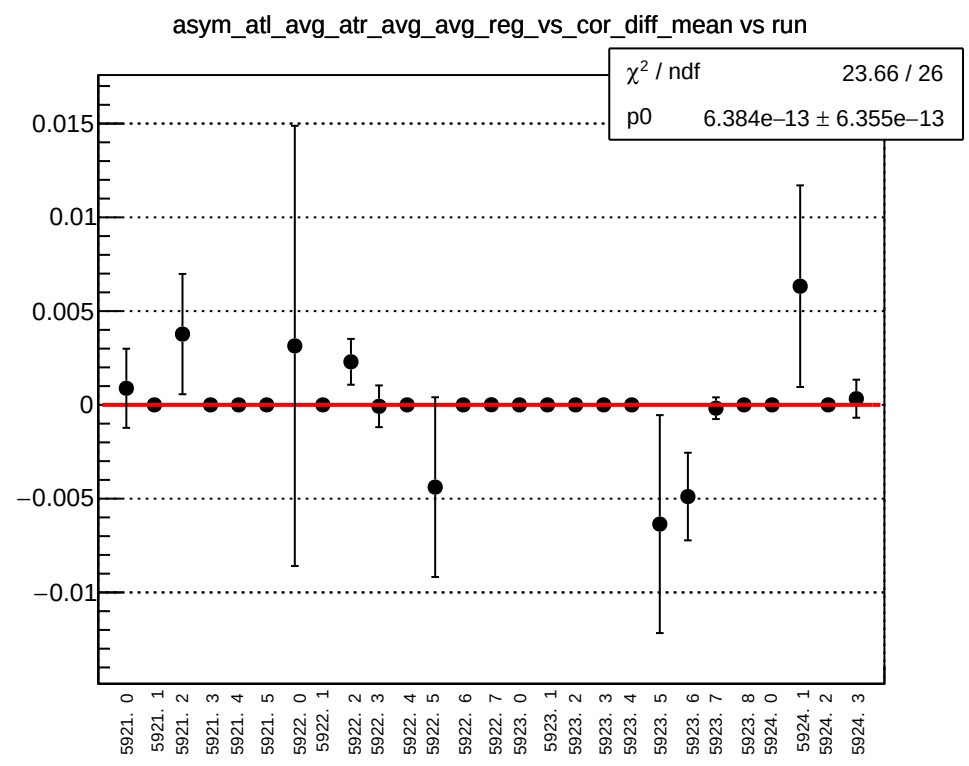

asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 5796 / 26
p0 3735 ± 5.223
5000
4800
4600
4400
4200
4000
3800
3600
3400
3200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

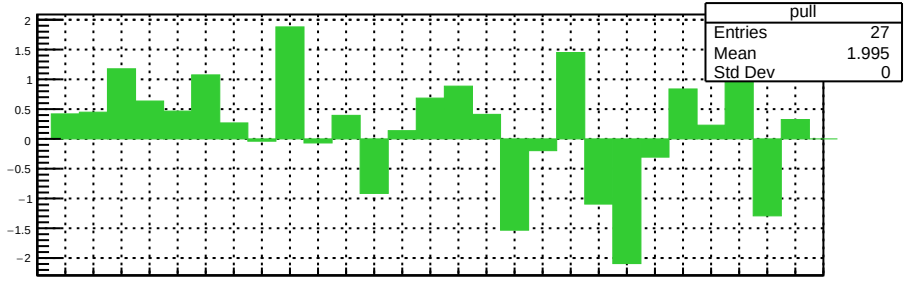

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ^2 / ndf 30.53 / 26
p0 −7394 ± 7754
150
100
50
0
−50
−100
−150
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

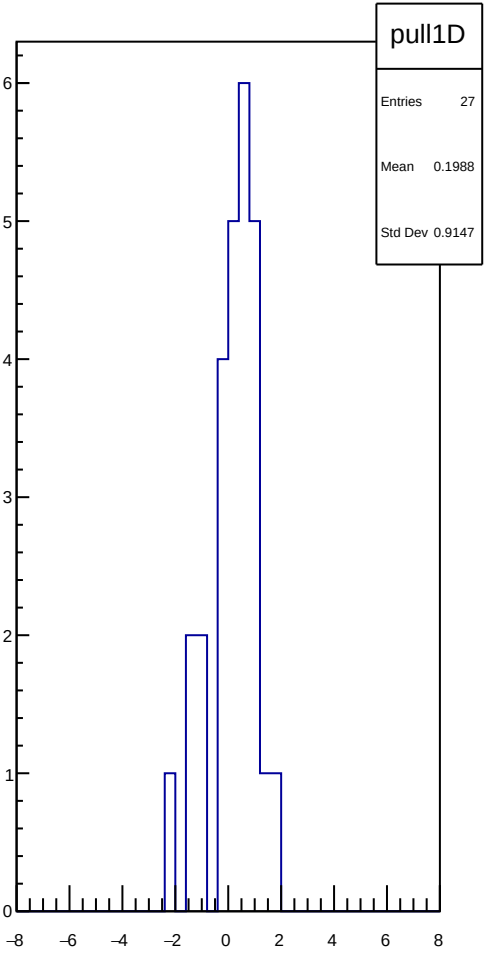

pull
Entries 27
Mean −105.9
Std Dev 0
2
1
0
−1
−2

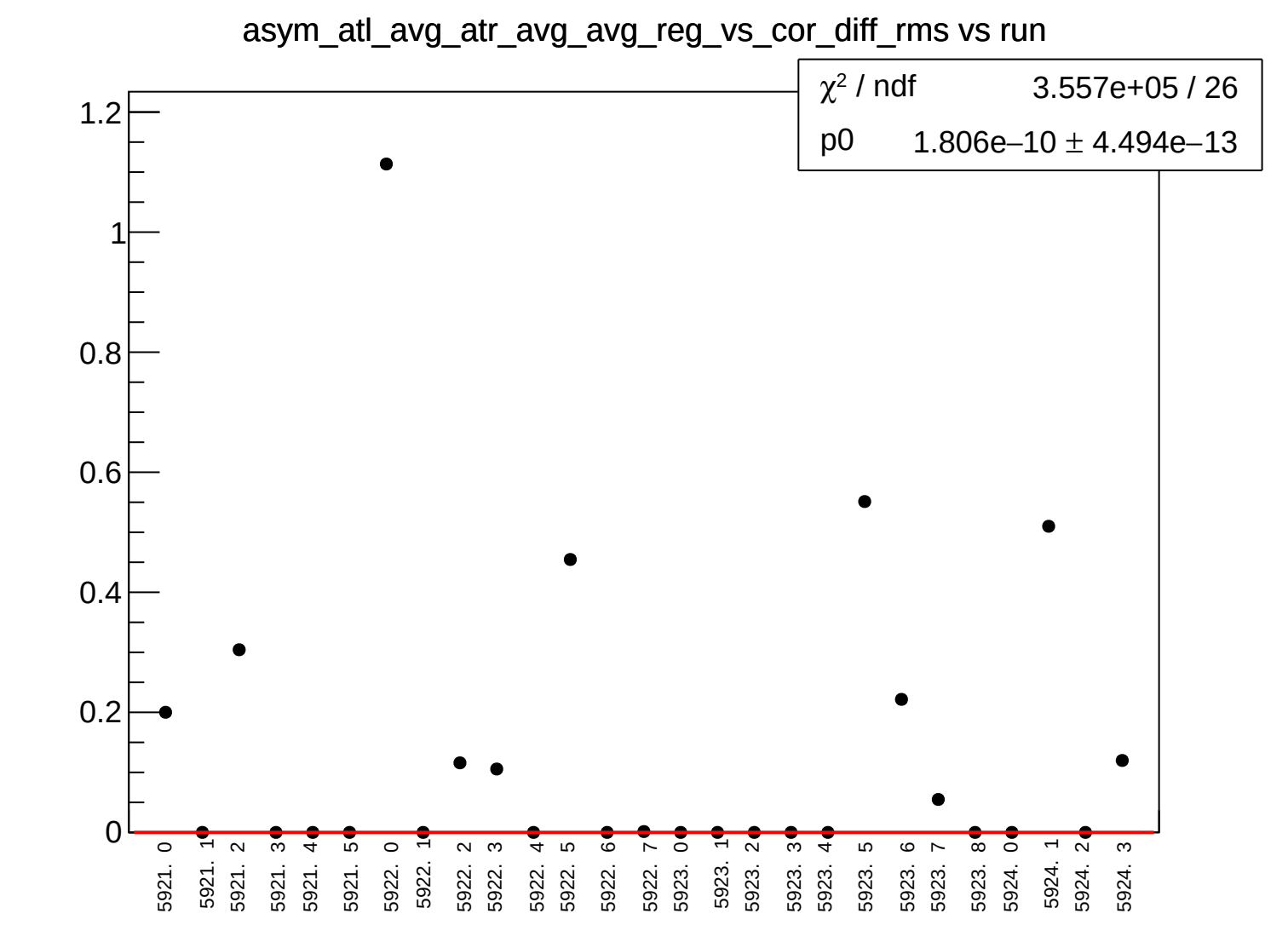

pull1D
Entries 27
Mean −0.008622
Std Dev 1.063
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

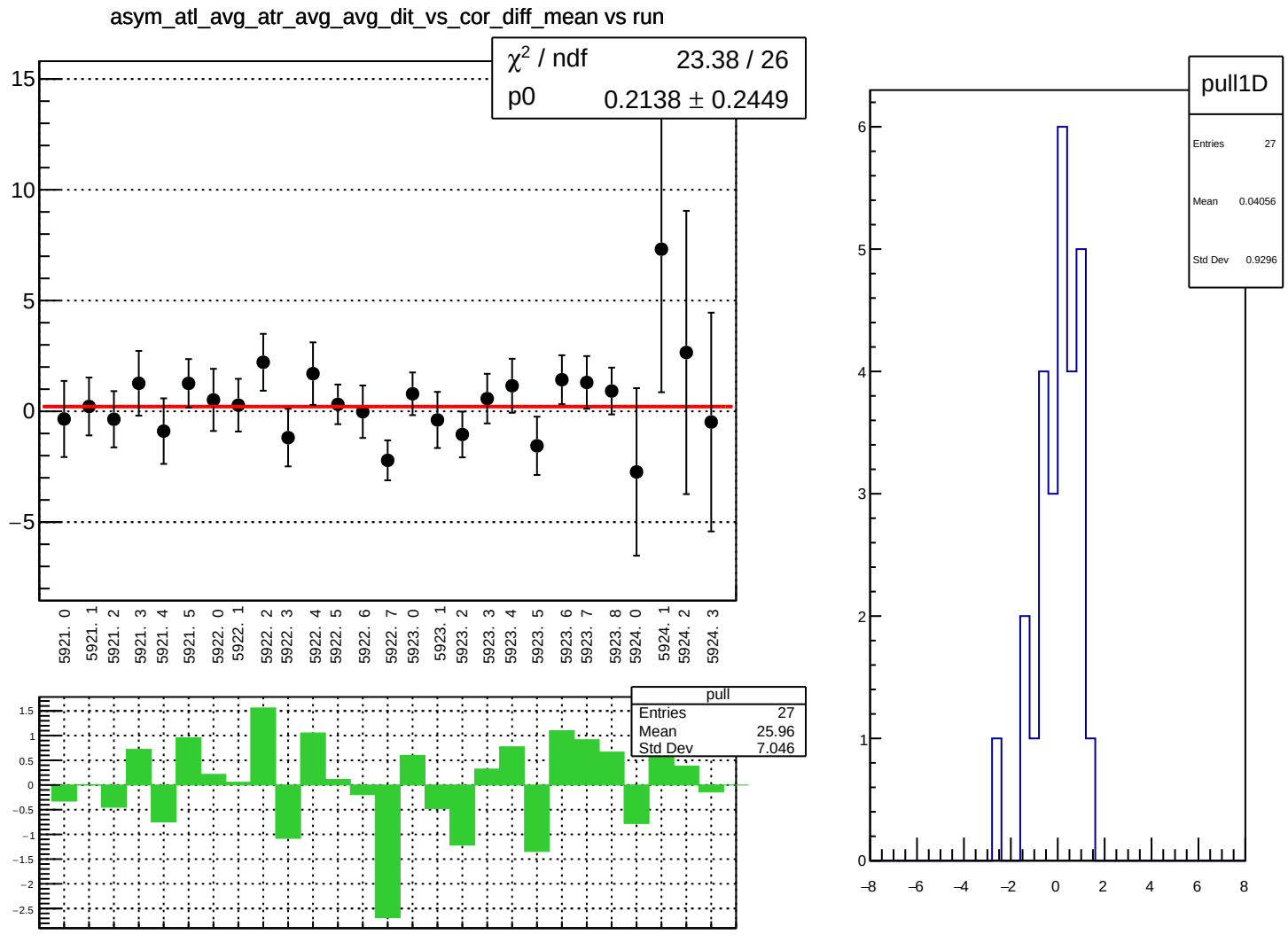

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 2619 / 26
p0 3933 ± 5.483
4800
4600
4400
4200
4000
3800
3600
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

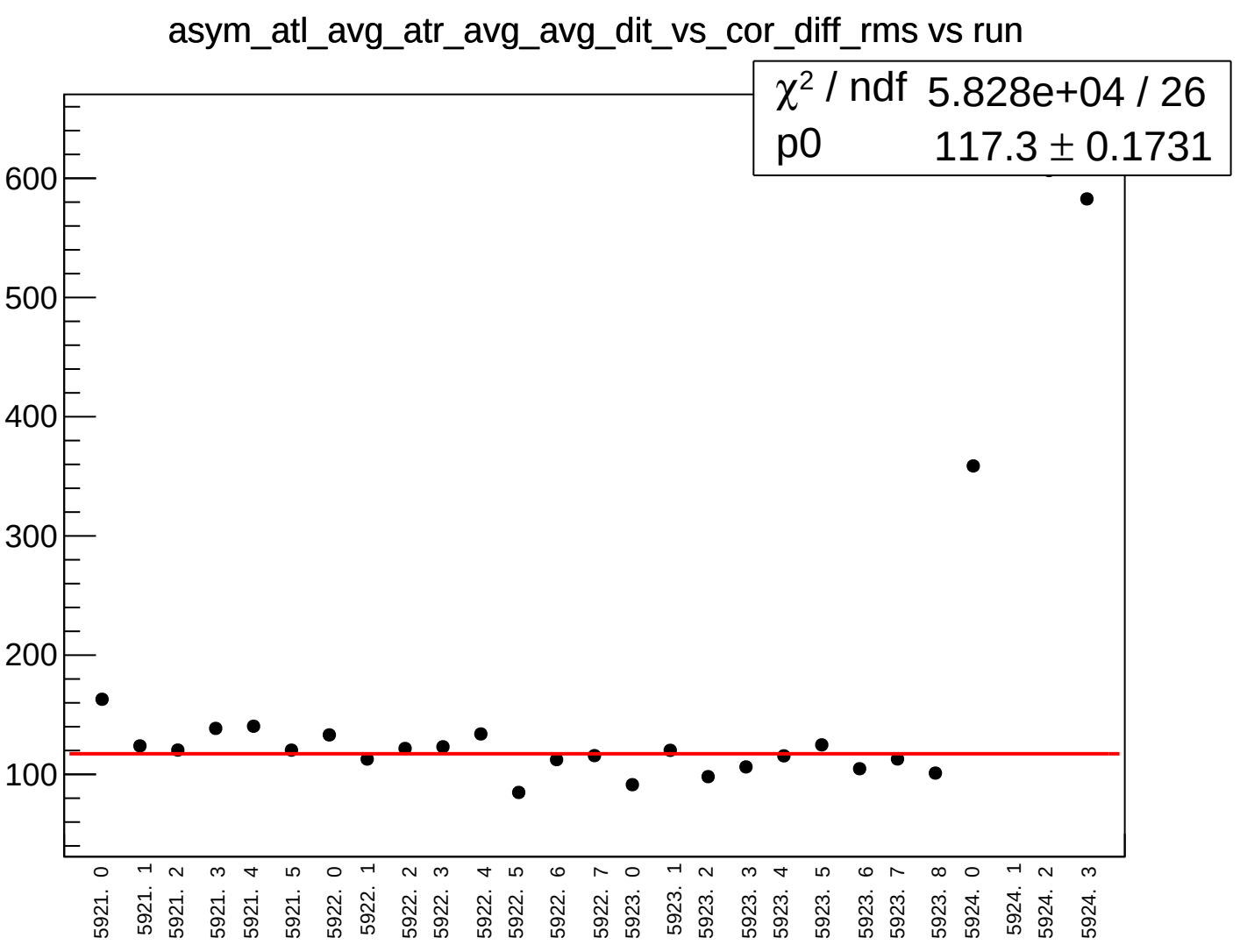

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 23.66 / 26
p0 6.384e−13 ± 6.355e−13
0.015
0.01
0.005
0
−0.005
−0.01
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

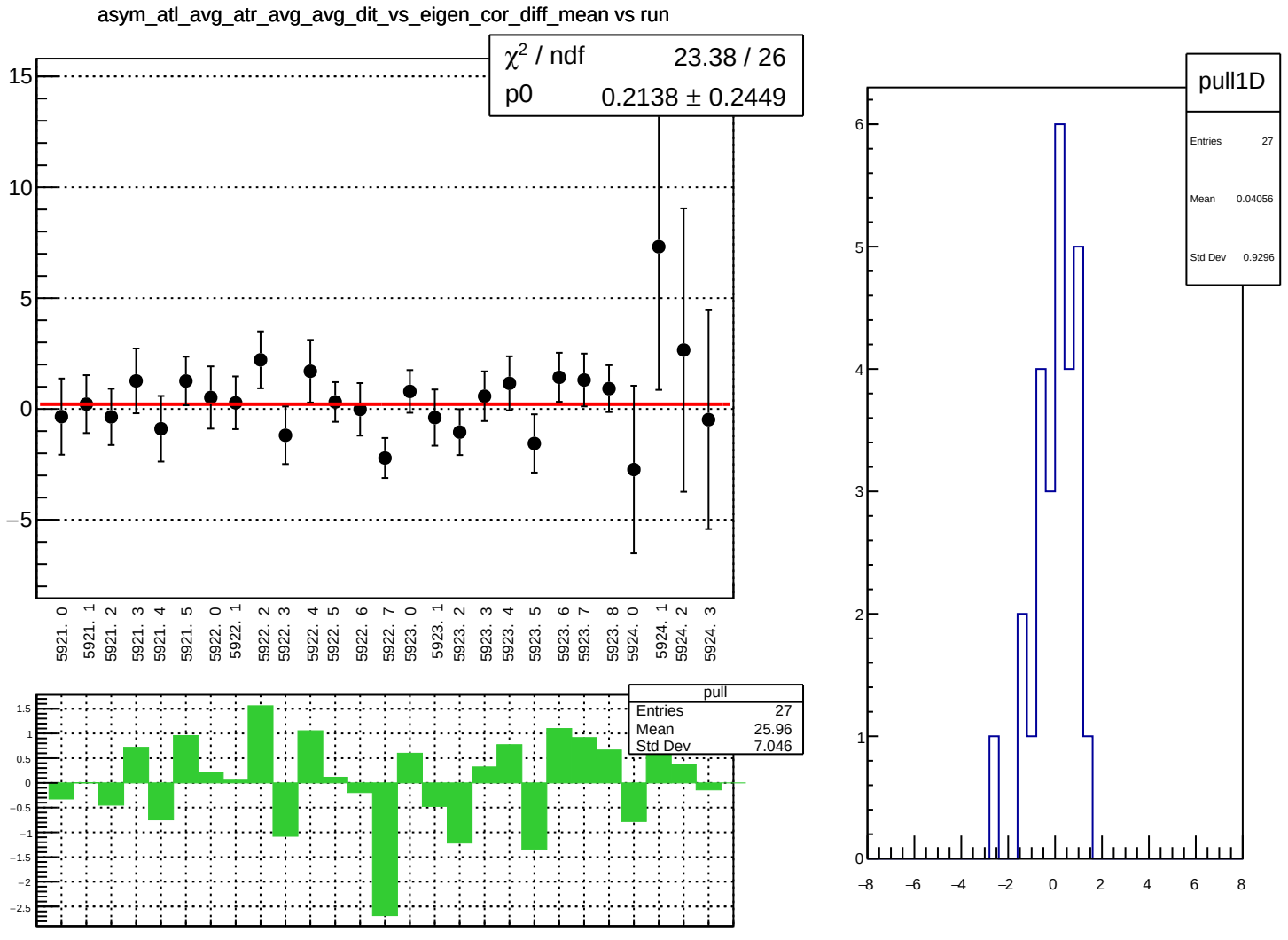

pull
Entries 27
Mean 1.995
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

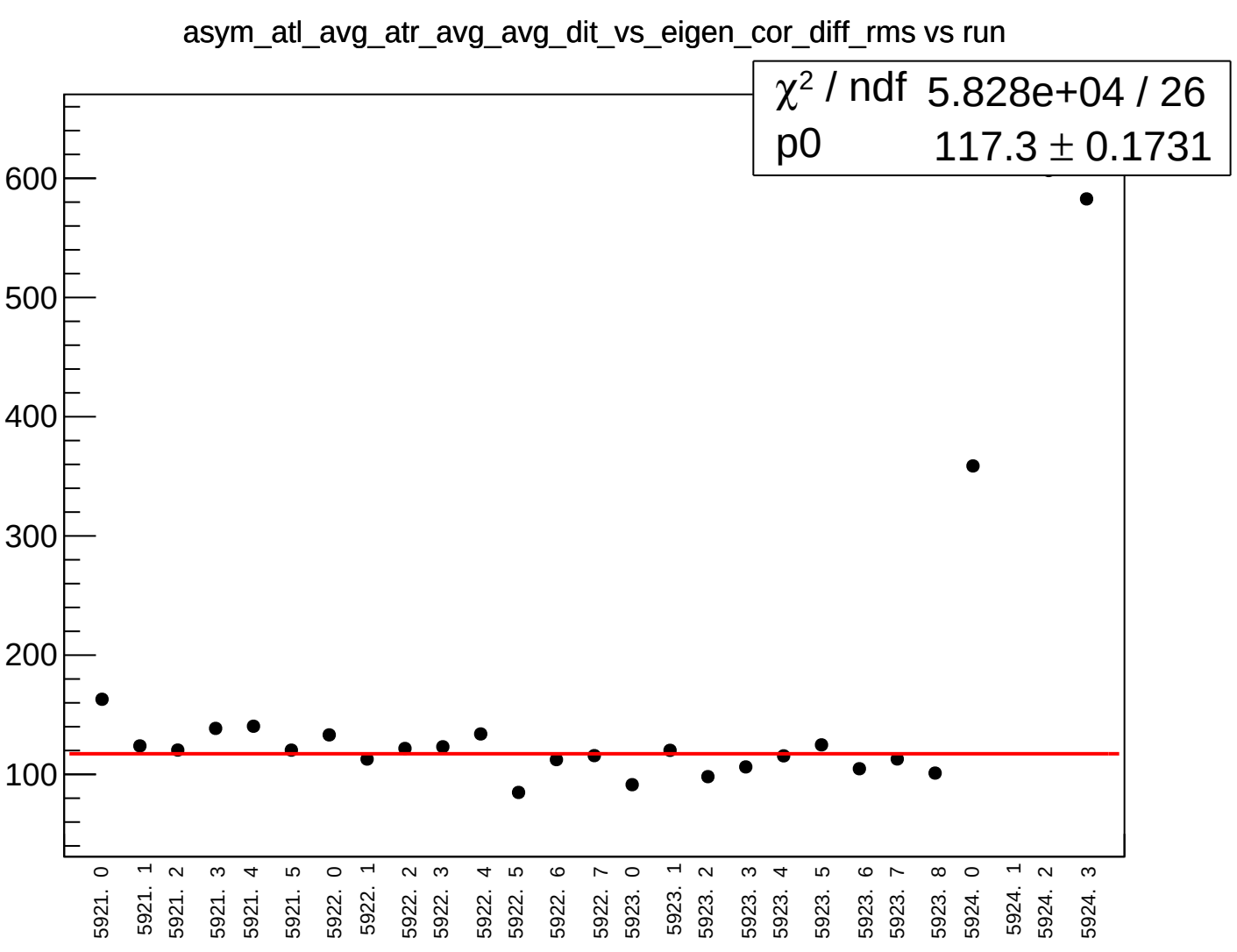

pull1D
Entries 27
Mean 0.1988
Std Dev 0.9147
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

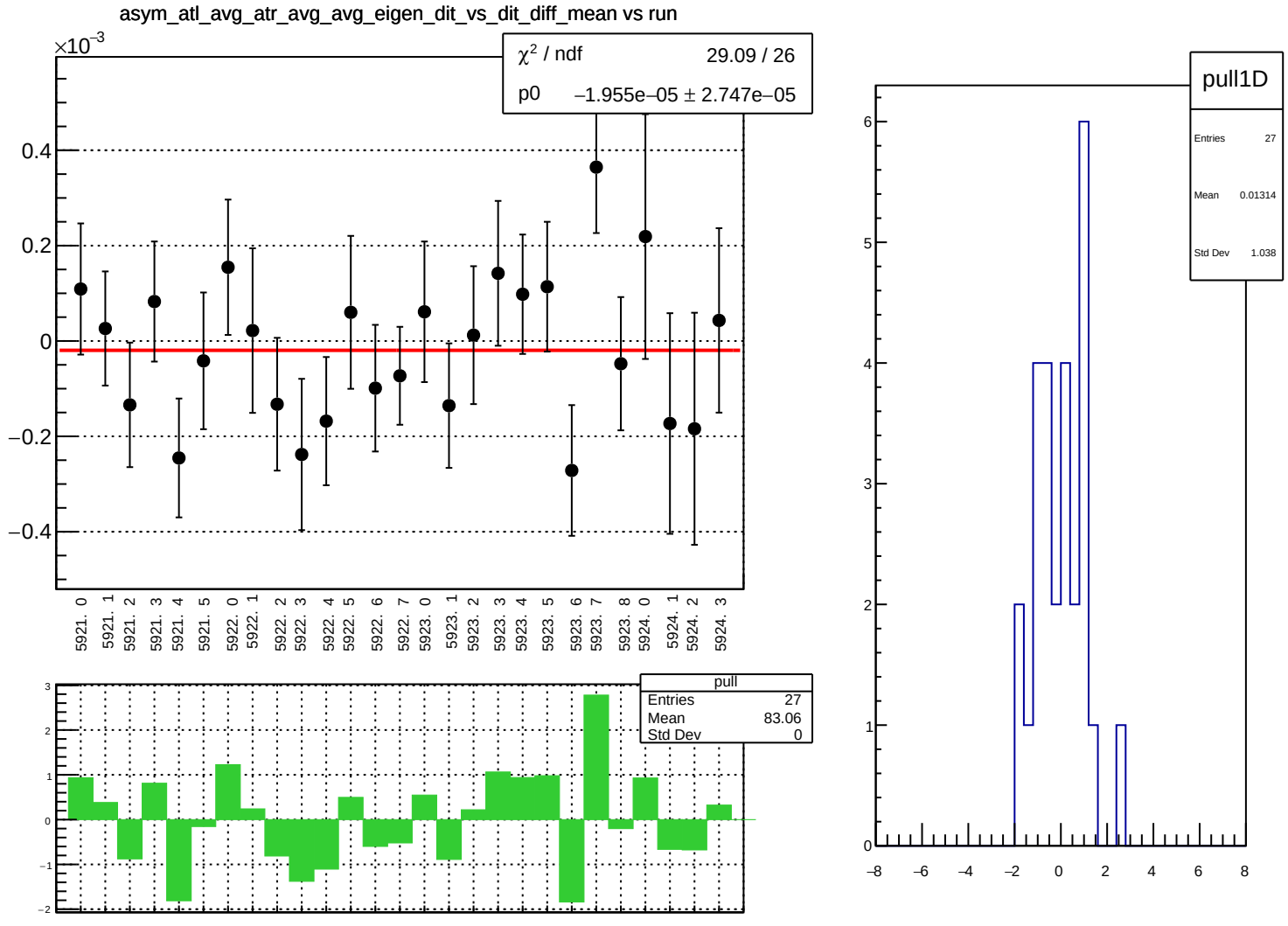

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.557e+05 / 26
p0 1.806e−10 ± 4.494e−13
1.2
1
0.8
0.6
0.4
0.2
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

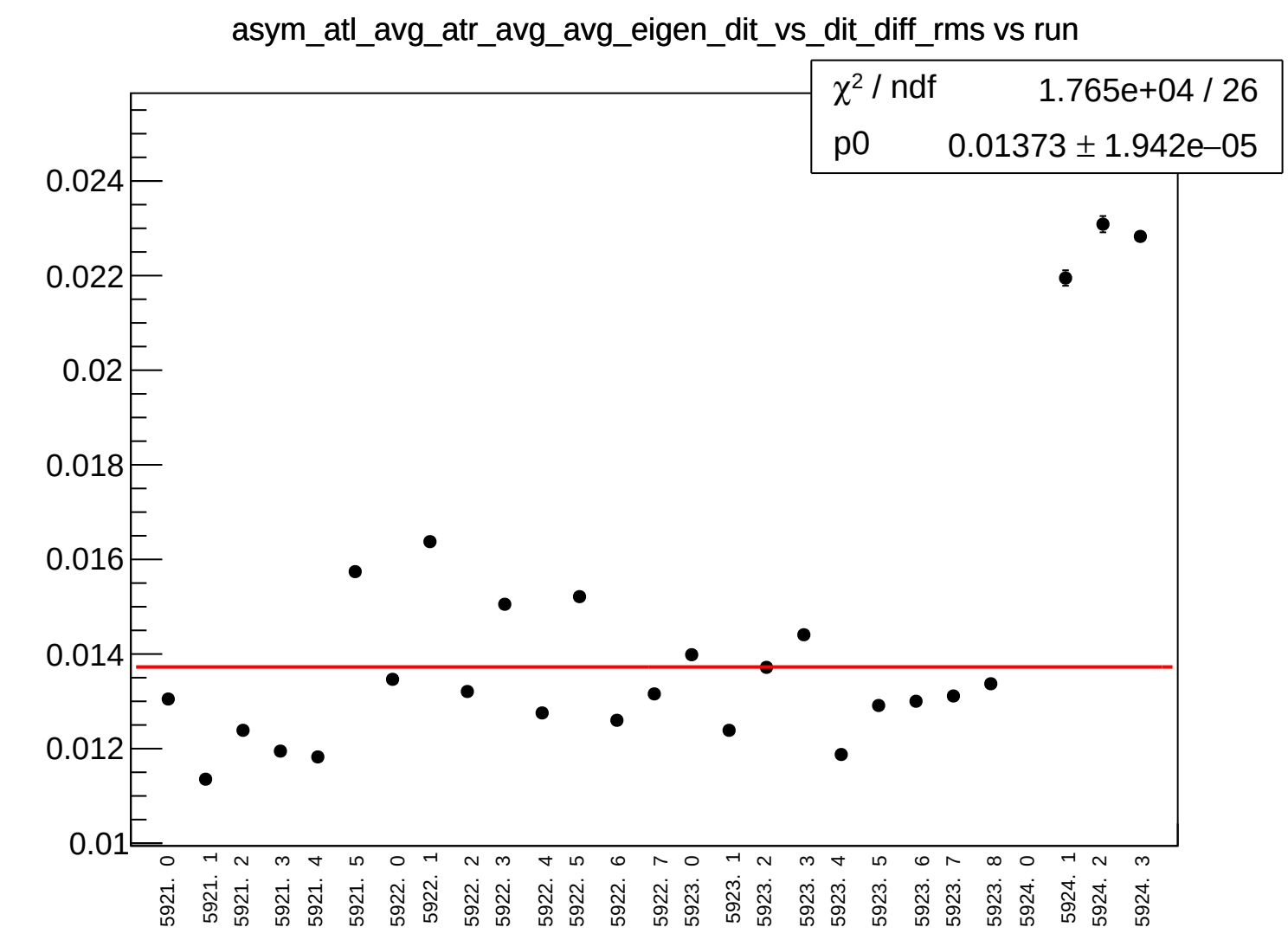

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 23.38 / 26
p0 0.2138 ± 0.2449
15
10
5
0
−5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 25.96
Std Dev 7.046
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean 0.04056
Std Dev 0.9296
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

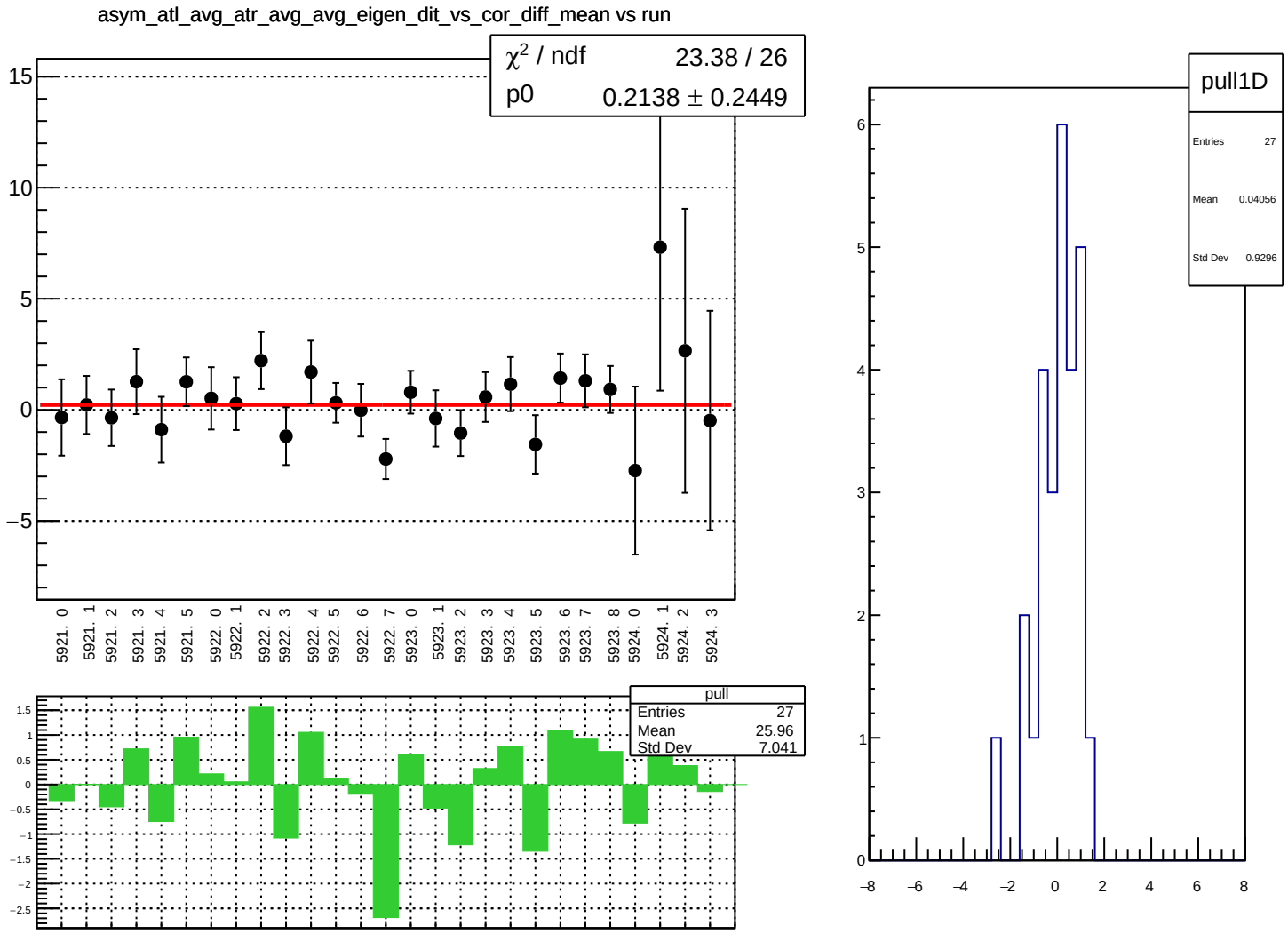

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.828e+04 / 26
p0 117.3 ± 0.1731
600
500
400
300
200
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

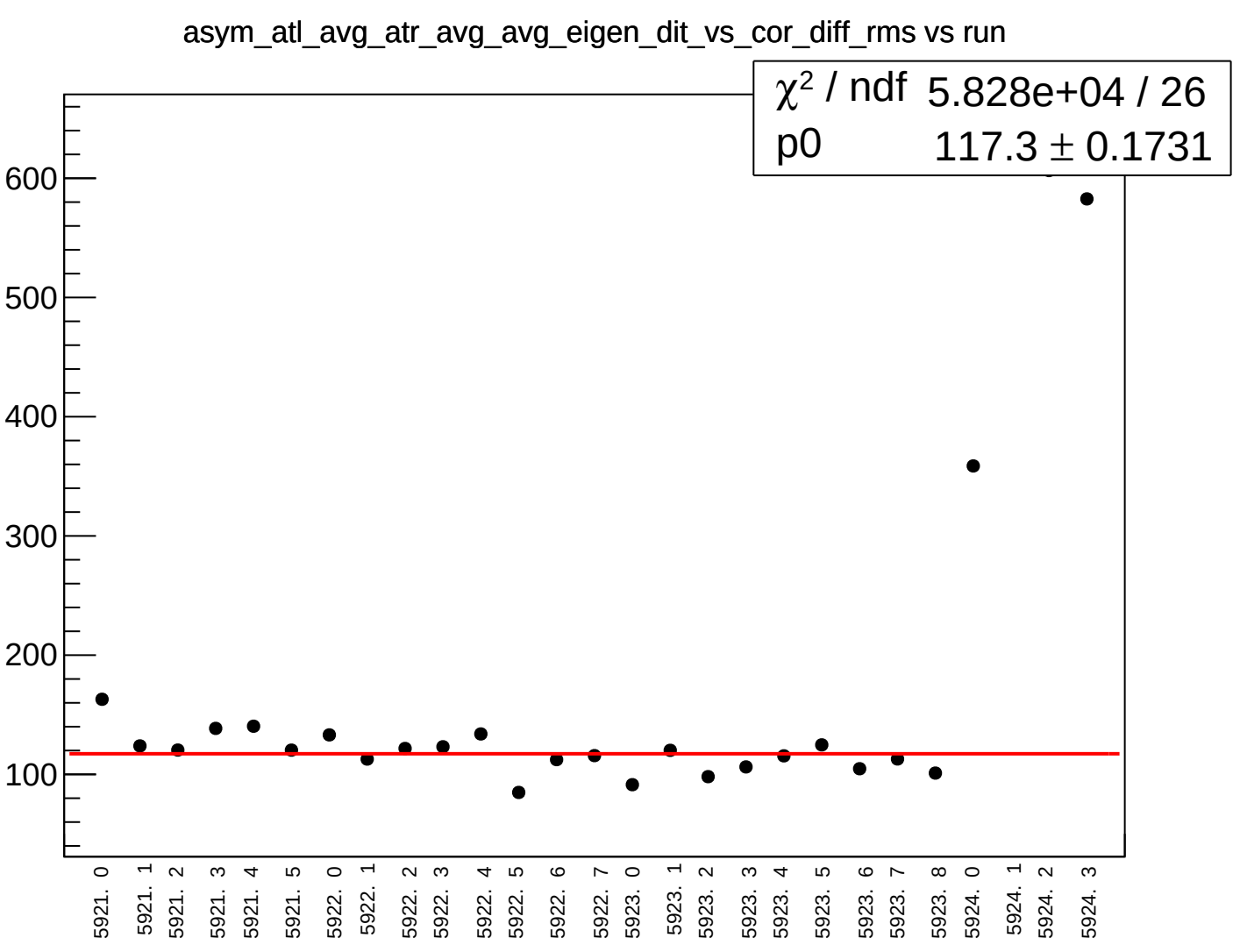

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 23.38 / 26
p0 0.2138 ± 0.2449
15
10
5
0
−5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 25.96
Std Dev 7.046
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean 0.04056
Std Dev 0.9296
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.828e+04 / 26
p0 117.3 ± 0.1731
600
500
400
300
200
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

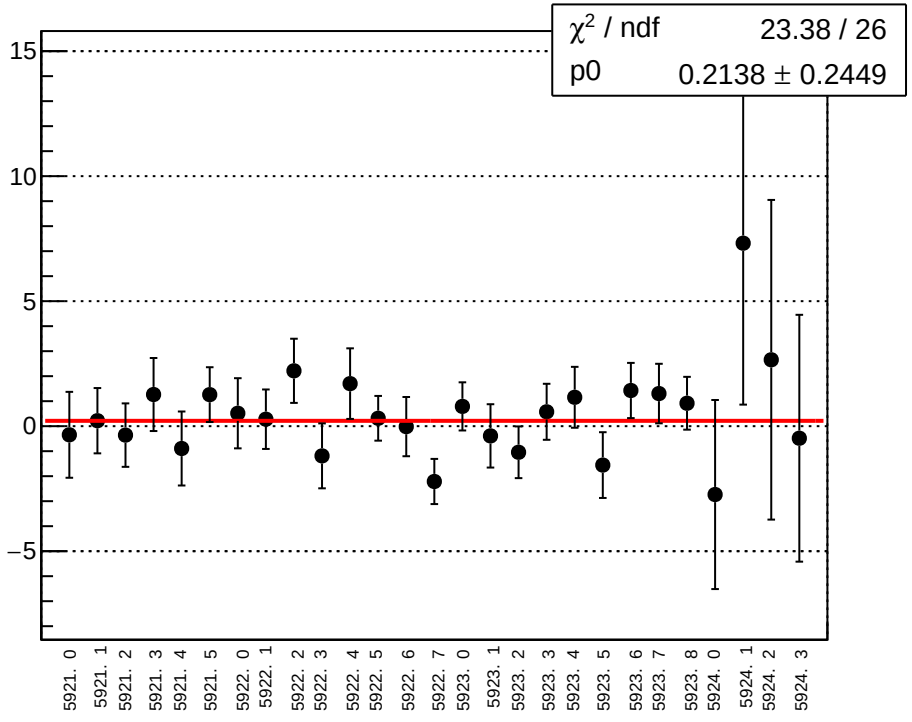

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 29.09 / 26
p0 −1.955e−05 ± 2.747e−05
0.4
0.2
0
−0.2
−0.4
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 83.06
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.01314
Std Dev 1.038
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

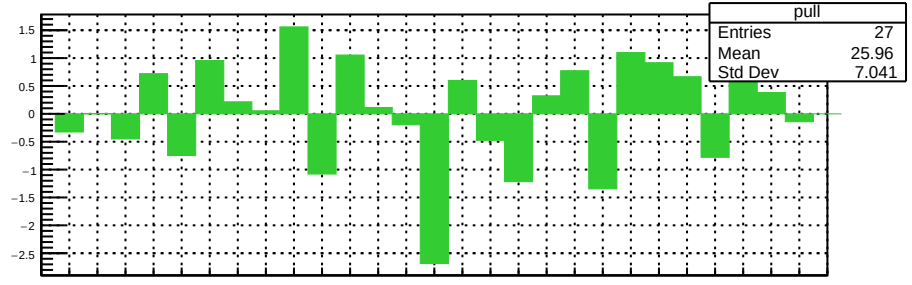

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.765e+04 / 26
p0 0.01373 ± 1.942e−05
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

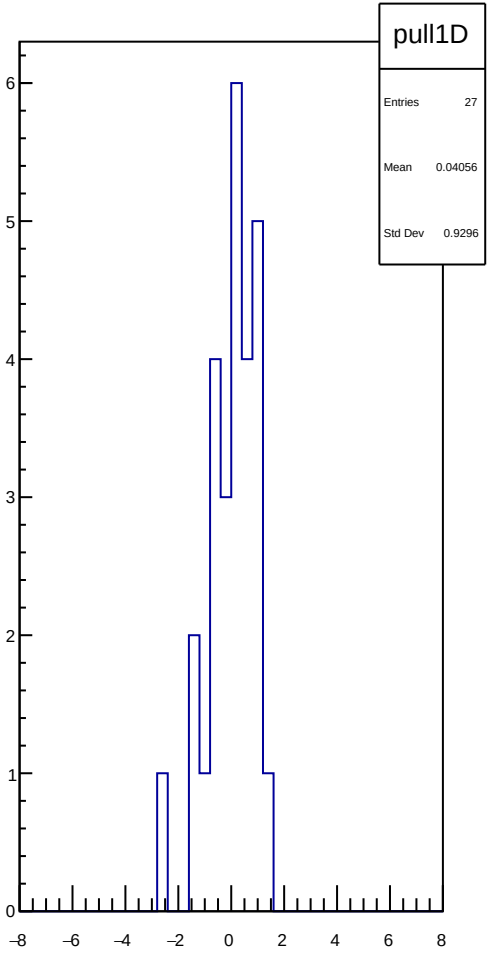

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 23.38 / 26
p0 0.2138 ± 0.2449
15
10
5
0
−5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 25.96
Std Dev 7.041
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean 0.04056
Std Dev 0.9296
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

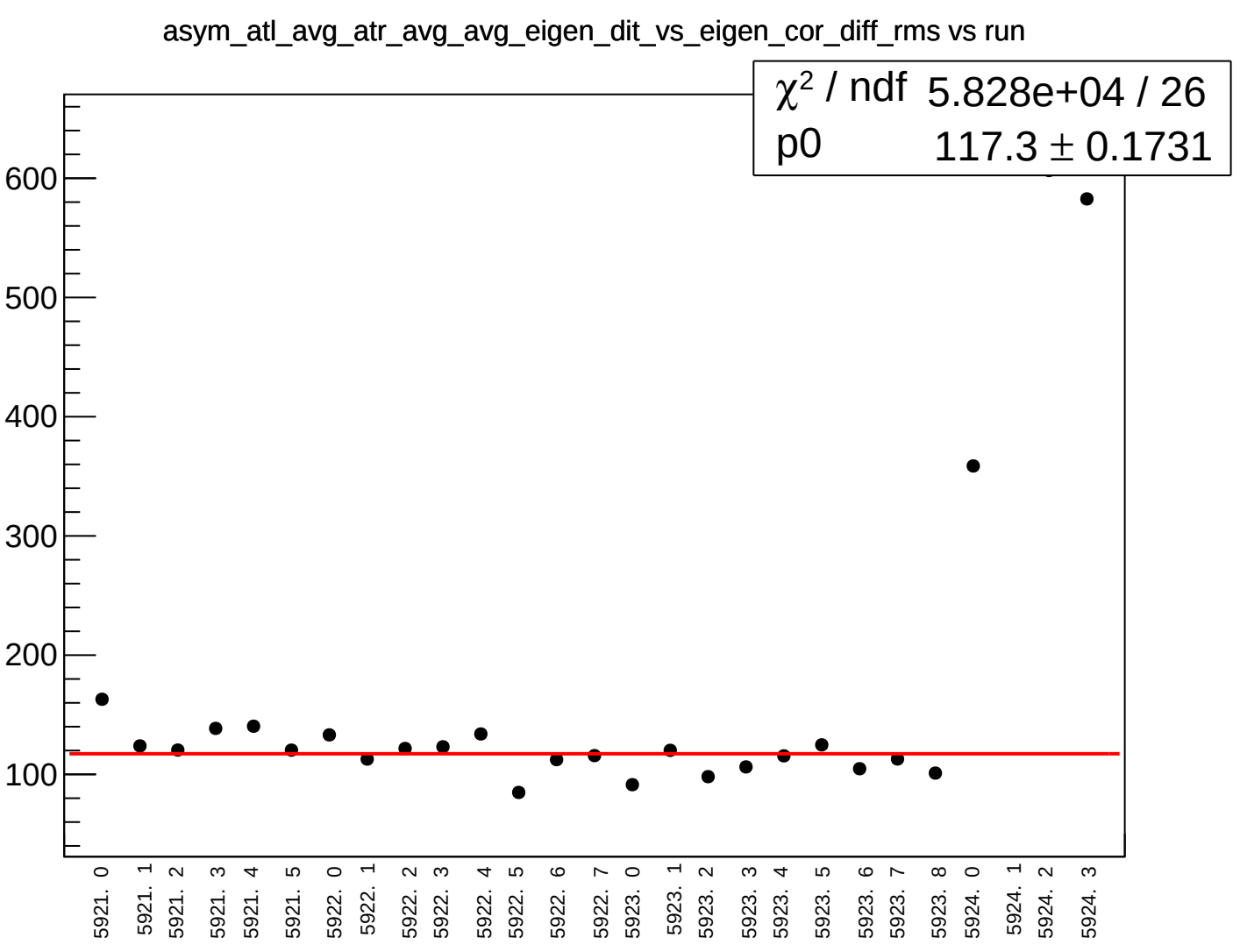

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.828e+04 / 26
p0 117.3 ± 0.1731
600
500
400
300
200
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

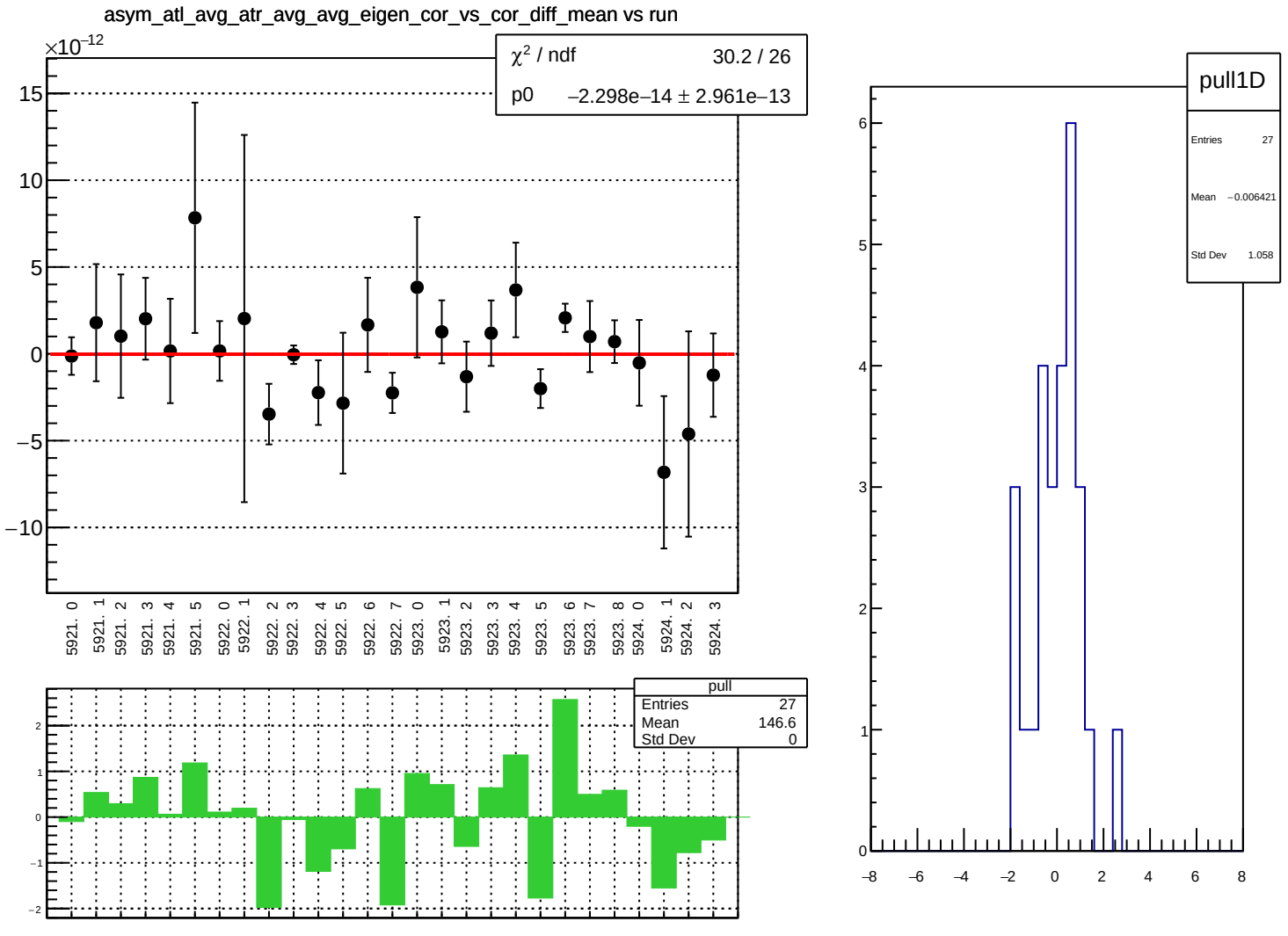
asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run

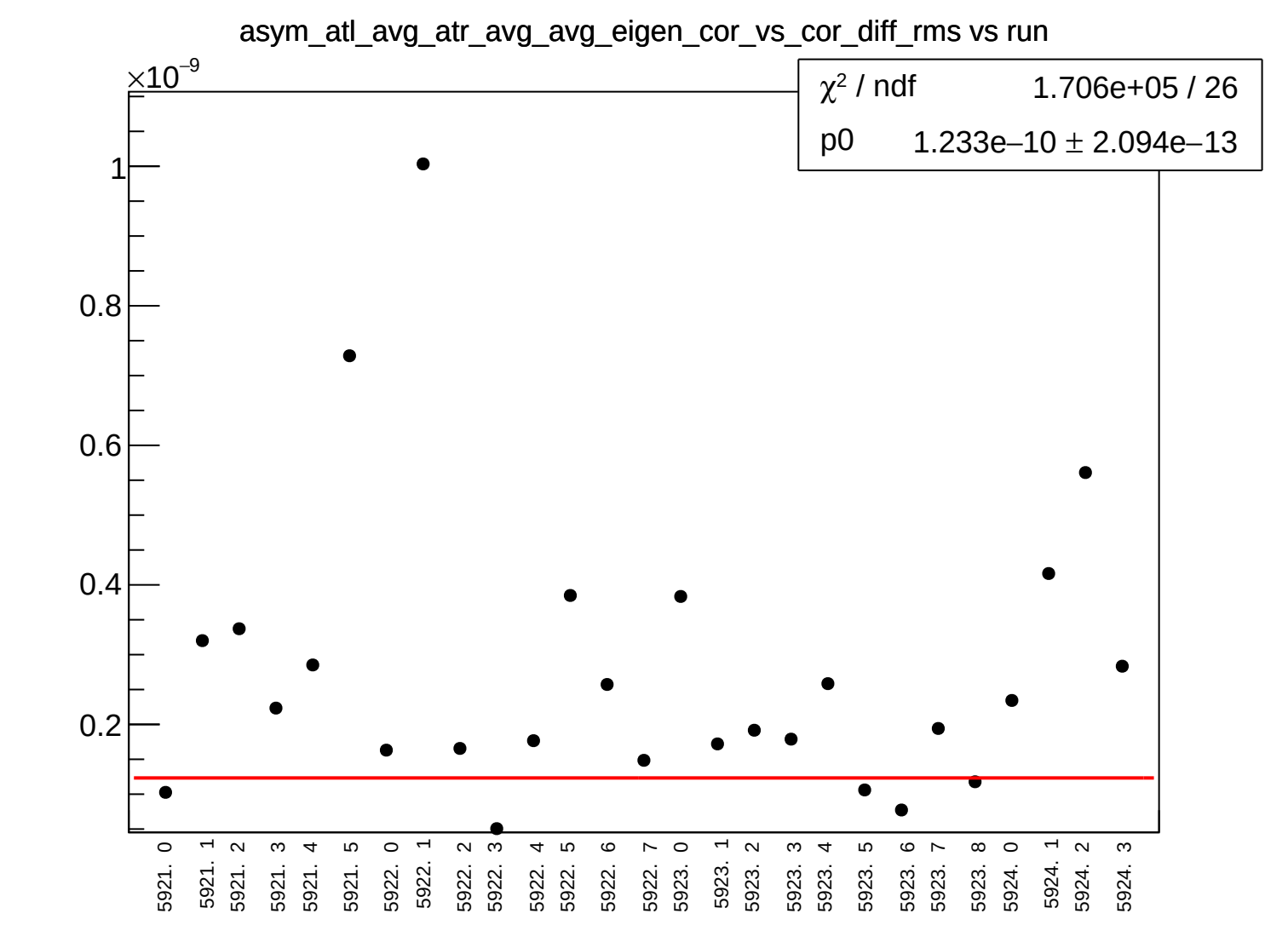


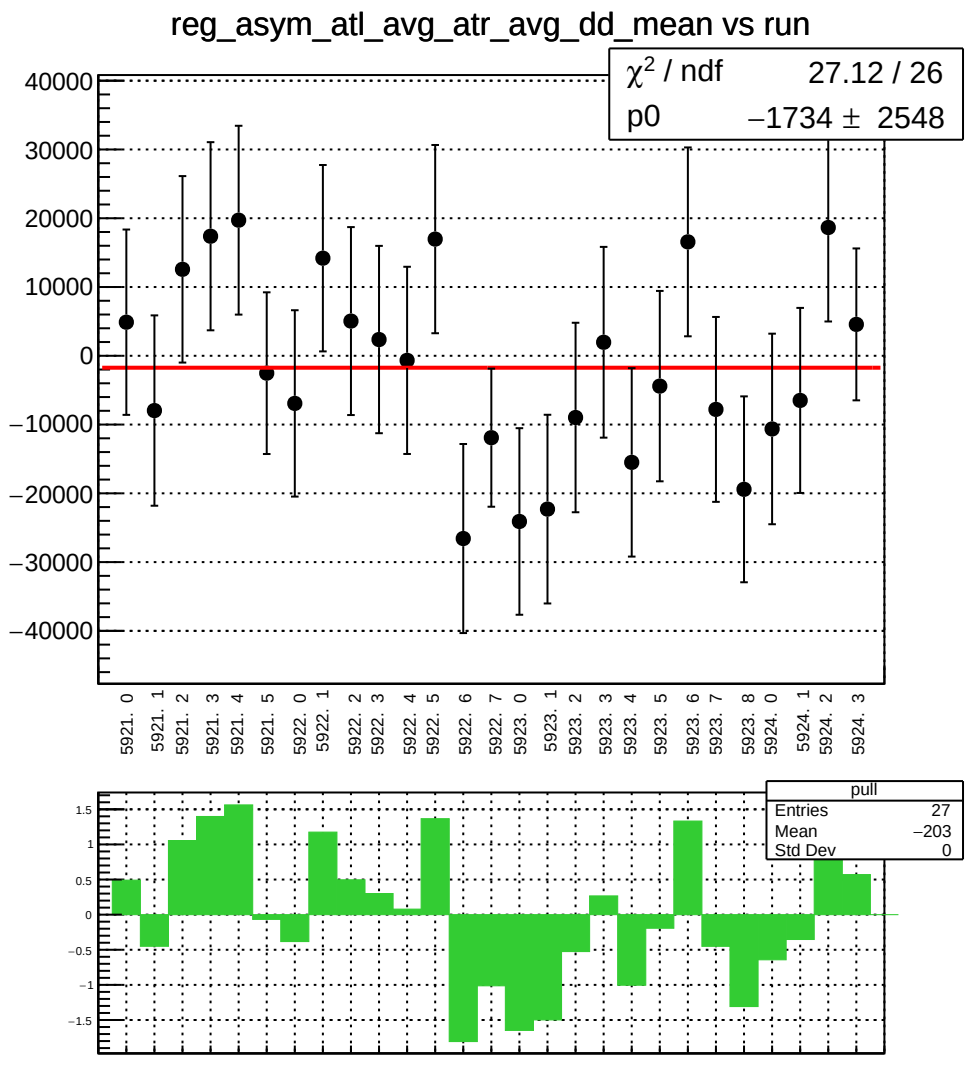


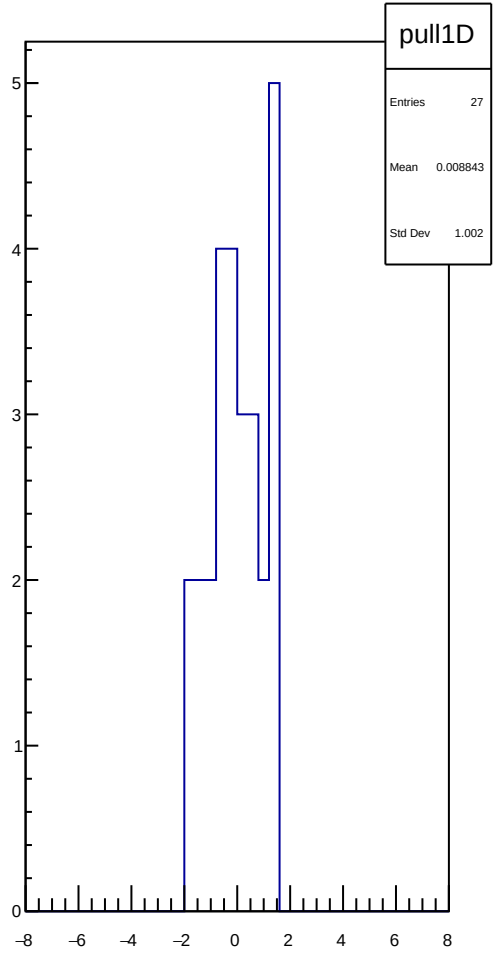


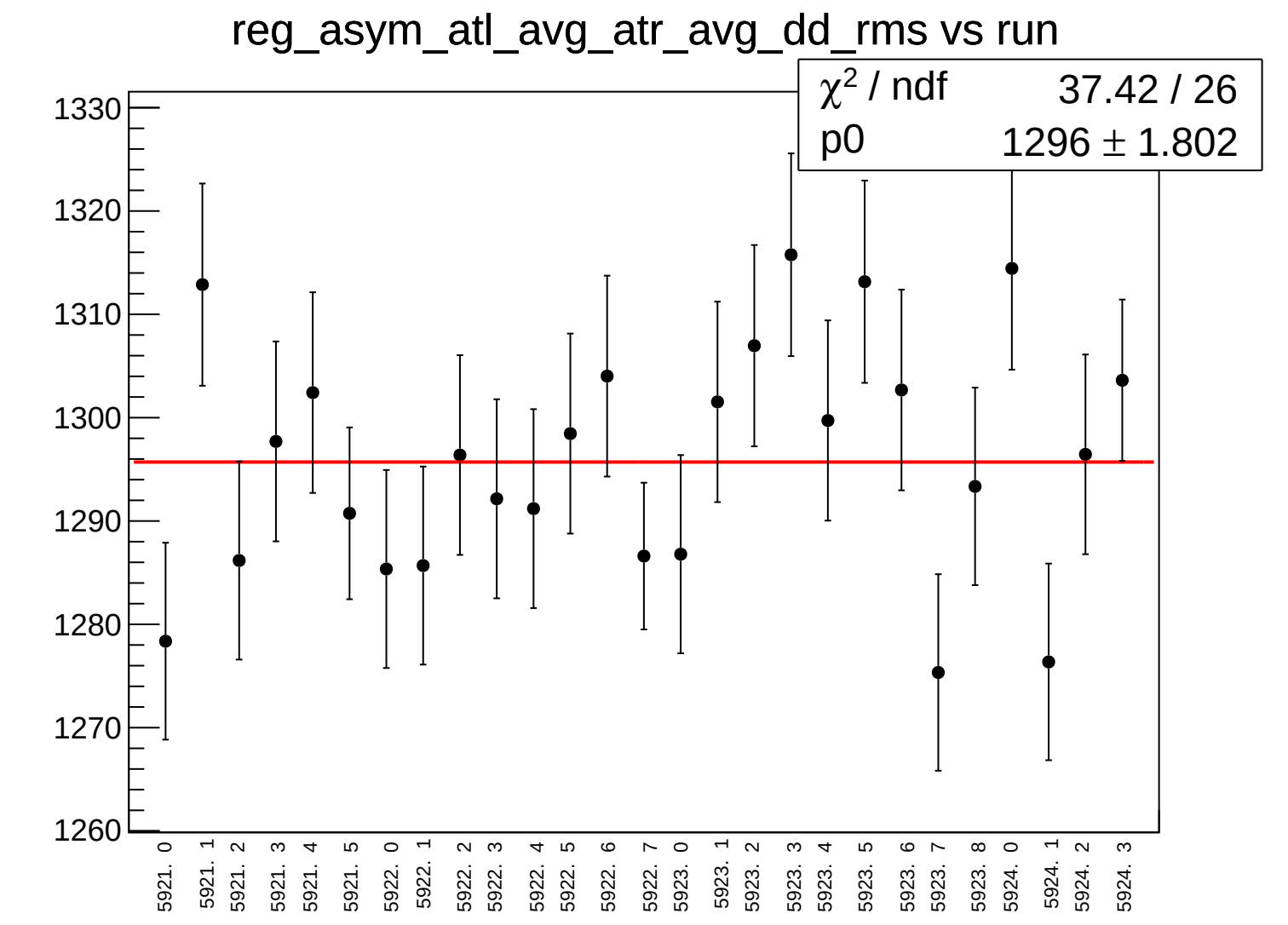

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.828e+04 / 26
p0 117.3 ± 0.1731
600
500
400
300
200
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

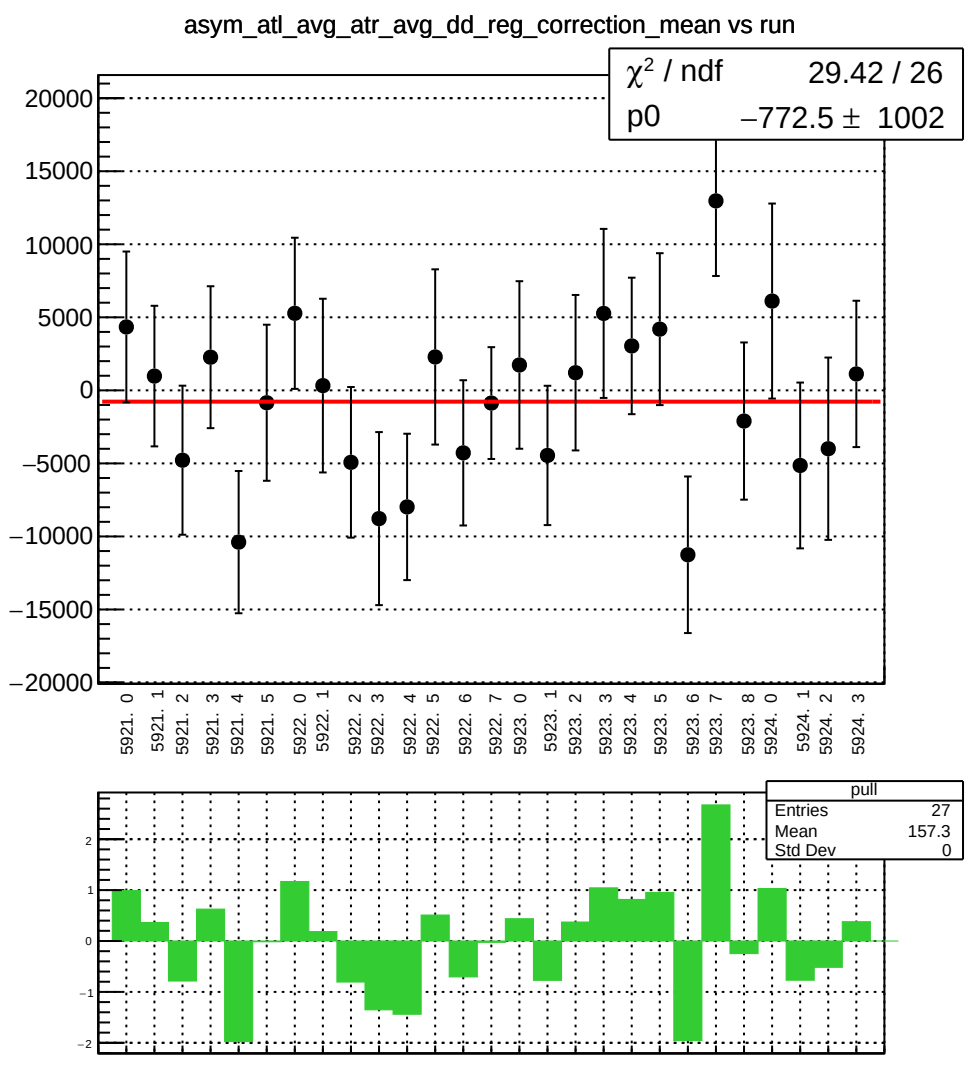

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 30.2 / 26
p0 −2.298e−14 ± 2.961e−13
15
10
5
0
−5
−10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 146.6
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean −0.006421
Std Dev 1.058
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

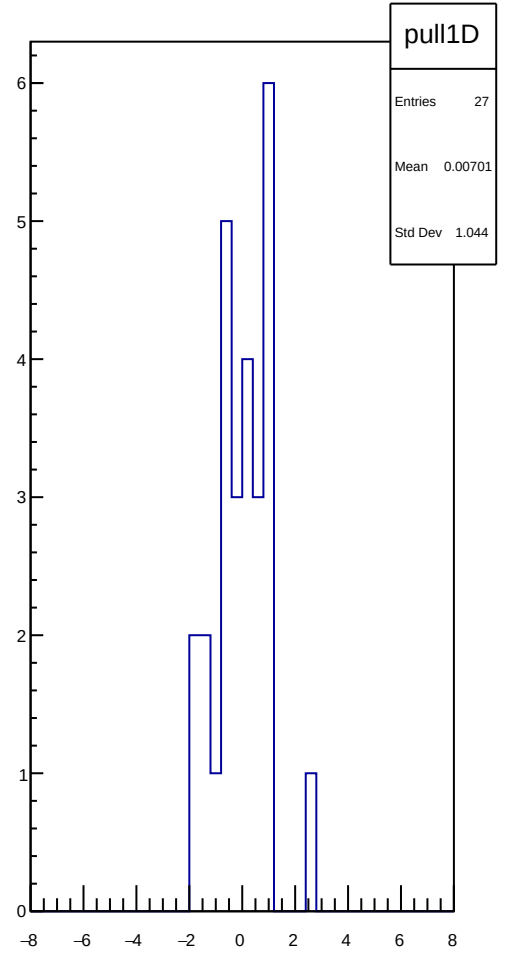

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.706e+05 / 26
p0 1.233e−10 ± 2.094e−13
1
0.8
0.6
0.4
0.2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

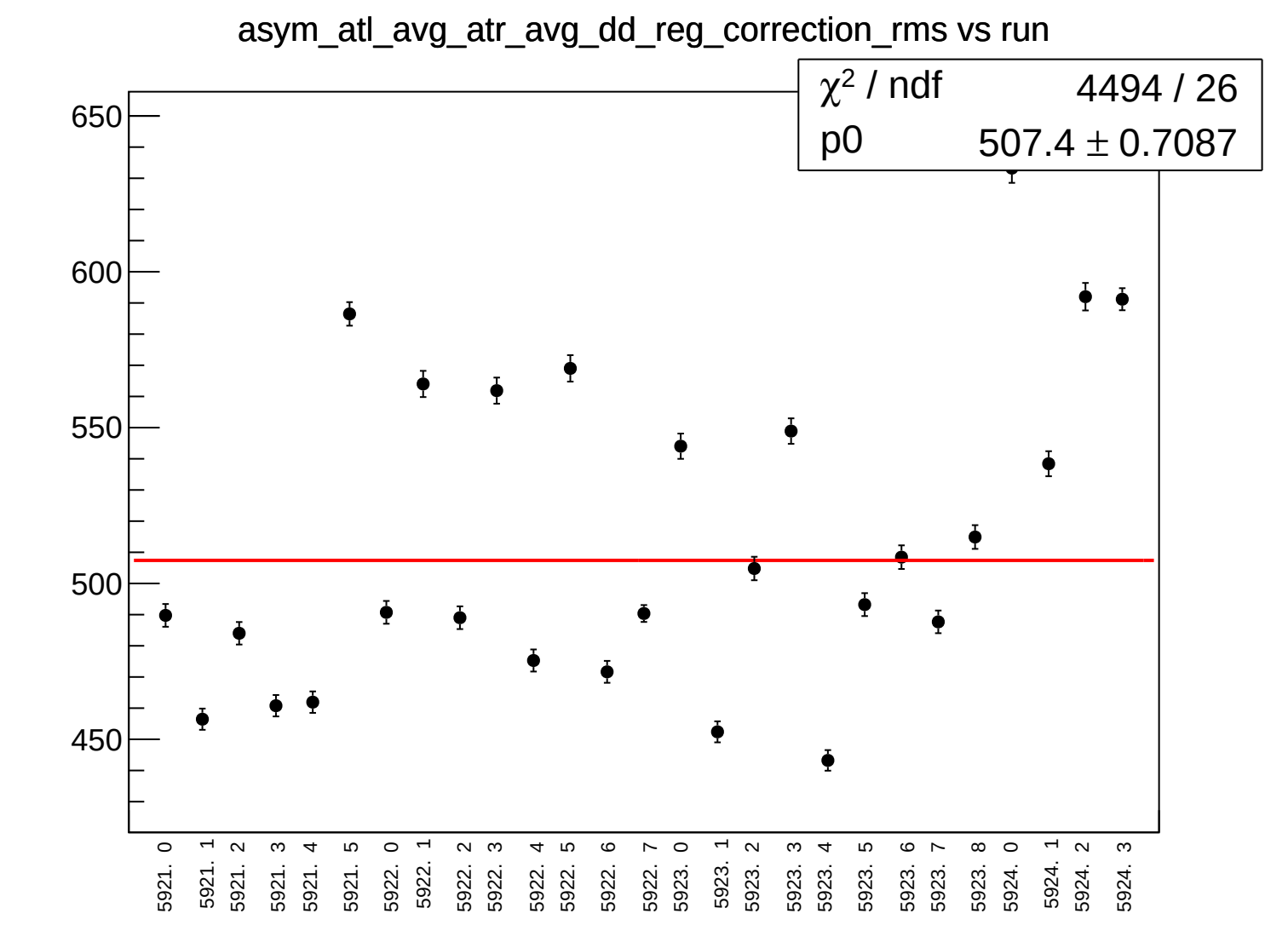

reg_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 27.12 / 26
p0 −1734 ± 2548
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −203
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 27
Mean 0.008843
Std Dev 1.002
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 37.42 / 26
p0 1296 ± 1.802
1330
1320
1310
1300
1290
1280
1270
1260
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


asym_atl_avg_atr_avg_dd_reg_correction_mean vs run
χ² / ndf 29.42 / 26
p0 −772.5 ± 1002
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 157.3
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 27
Mean 0.00701
Std Dev 1.044
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_avg_atr_avg_dd_reg_correction_rms vs run
χ² / ndf 4494 / 26
p0 507.4 ± 0.7087
650
600
550
500
450
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
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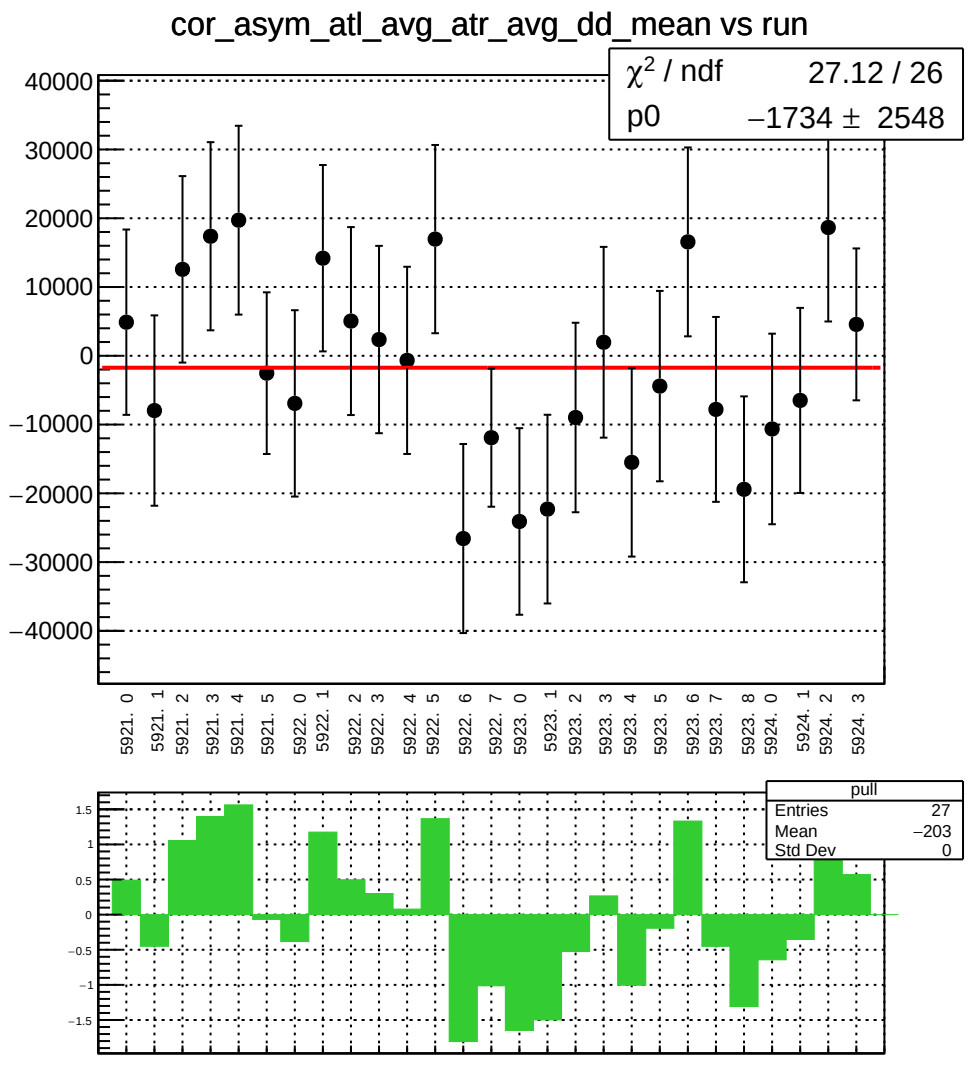
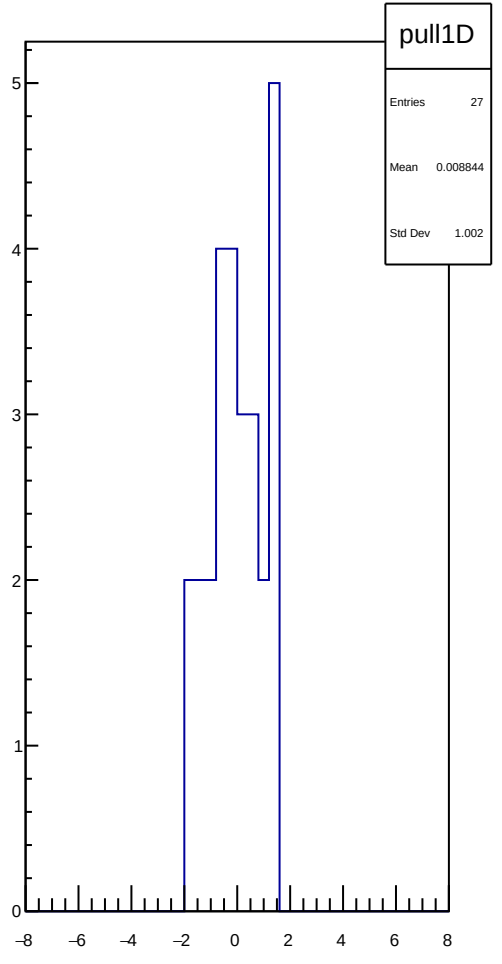
5924. 3


cor_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 27.12 / 26
p0 −1734 ± 2548
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −203
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 27
Mean 0.008844
Std Dev 1.002
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4
3
2
1
0
−8
−6
−4
−2
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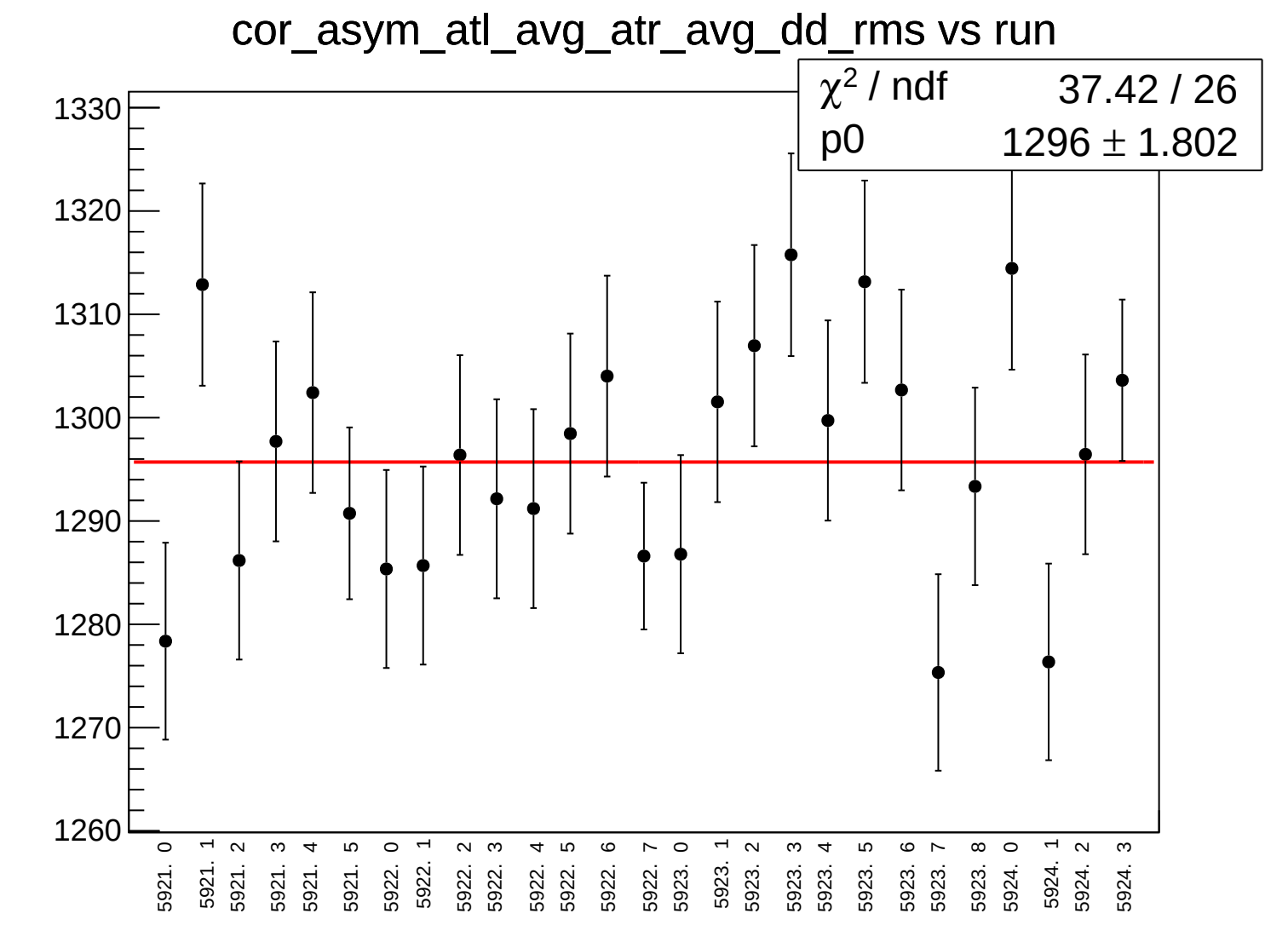
2
4
6
8


cor_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 37.42 / 26
p0 1296 ± 1.802
1330
1320
1310
1300
1290
1280
1270
1260
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
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5924. 0
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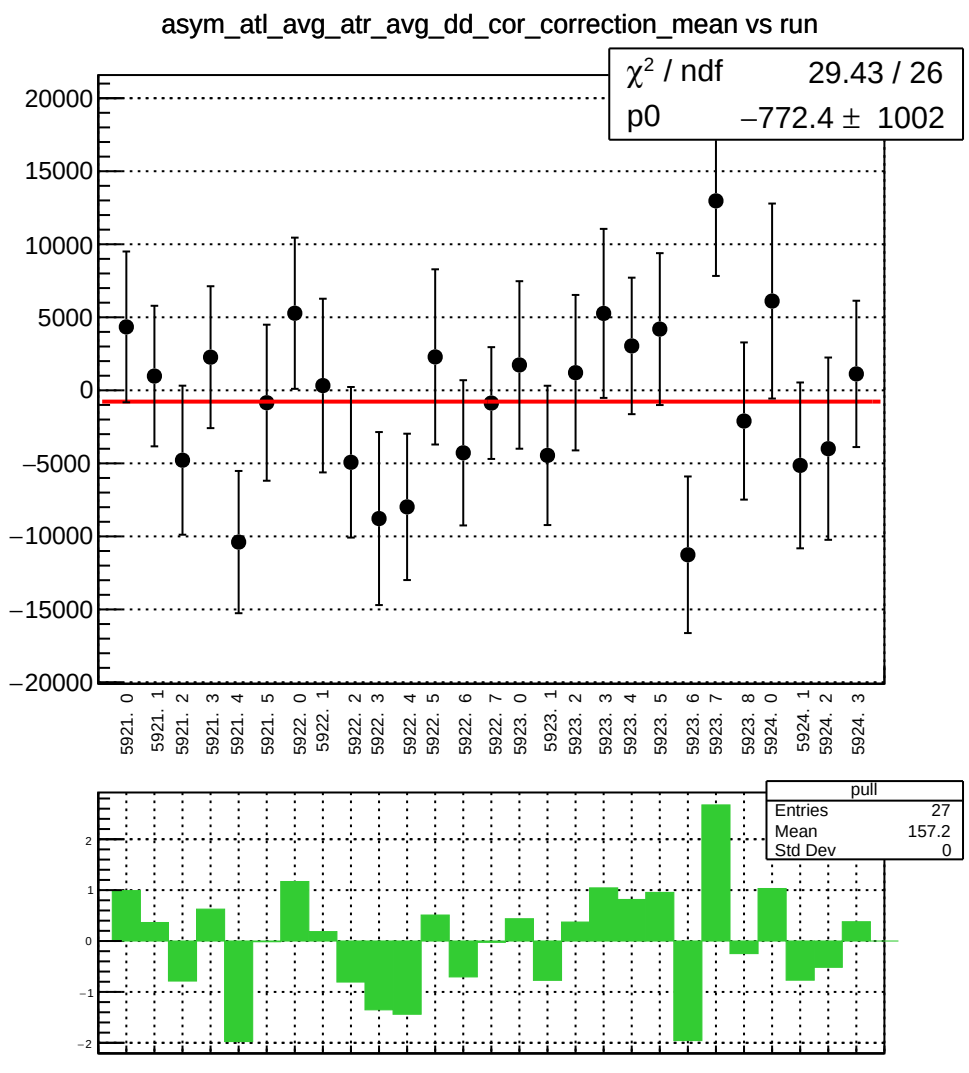
5924. 2
5924. 3


asym_atl_avg_atr_avg_dd_cor_correction_mean vs run
χ² / ndf 29.43 / 26
p0 −772.4 ± 1002
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
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5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
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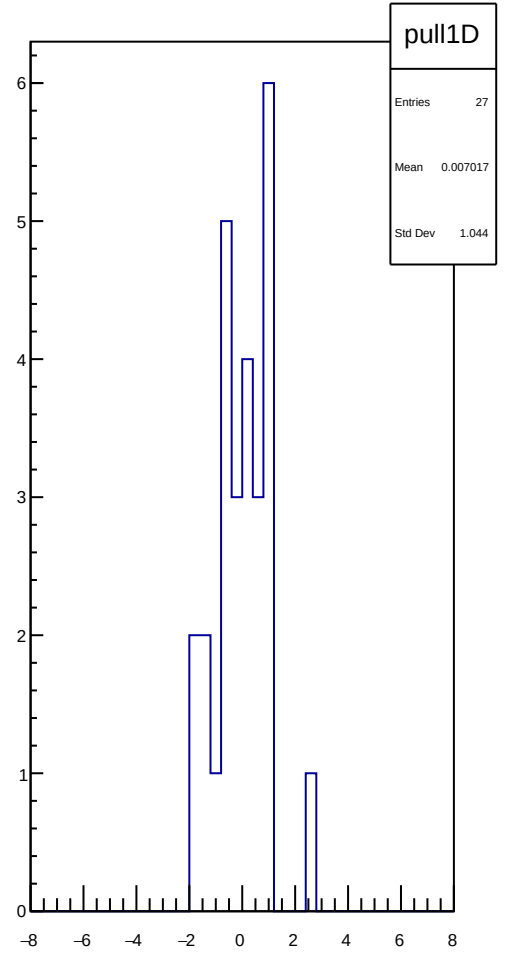
5924. 2
5924. 3
pull
Entries 27
Mean 157.2
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 27
Mean 0.007017
Std Dev 1.044
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5
4
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2
1
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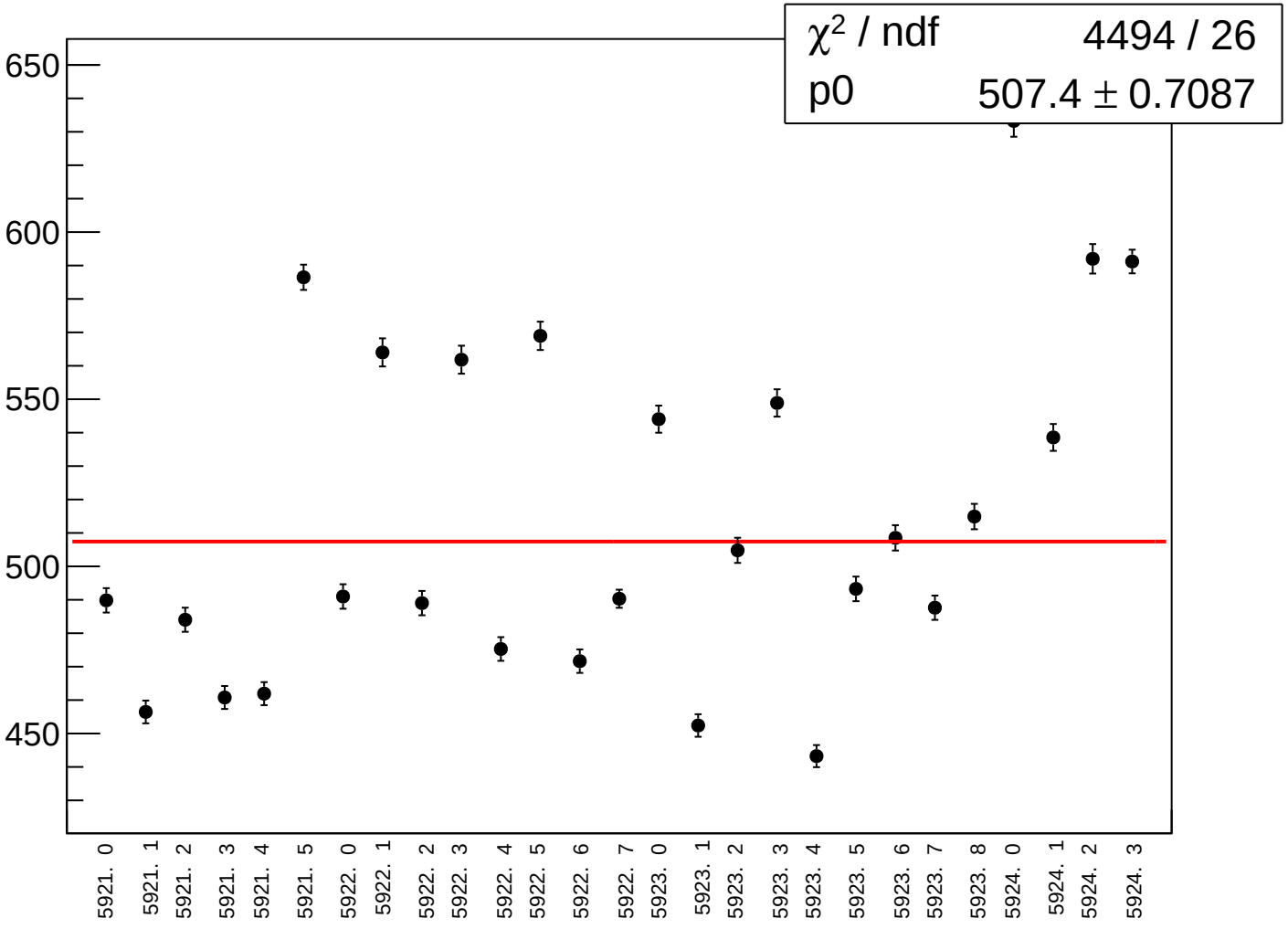
−4
−2
0
2
4
6
8


asym_atl_avg_atr_avg_dd_cor_correction_rms vs run
χ² / ndf 4494 / 26
p0 507.4 ± 0.7087
650
600
550
500
450
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
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5923. 6
5923. 7
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5924. 0
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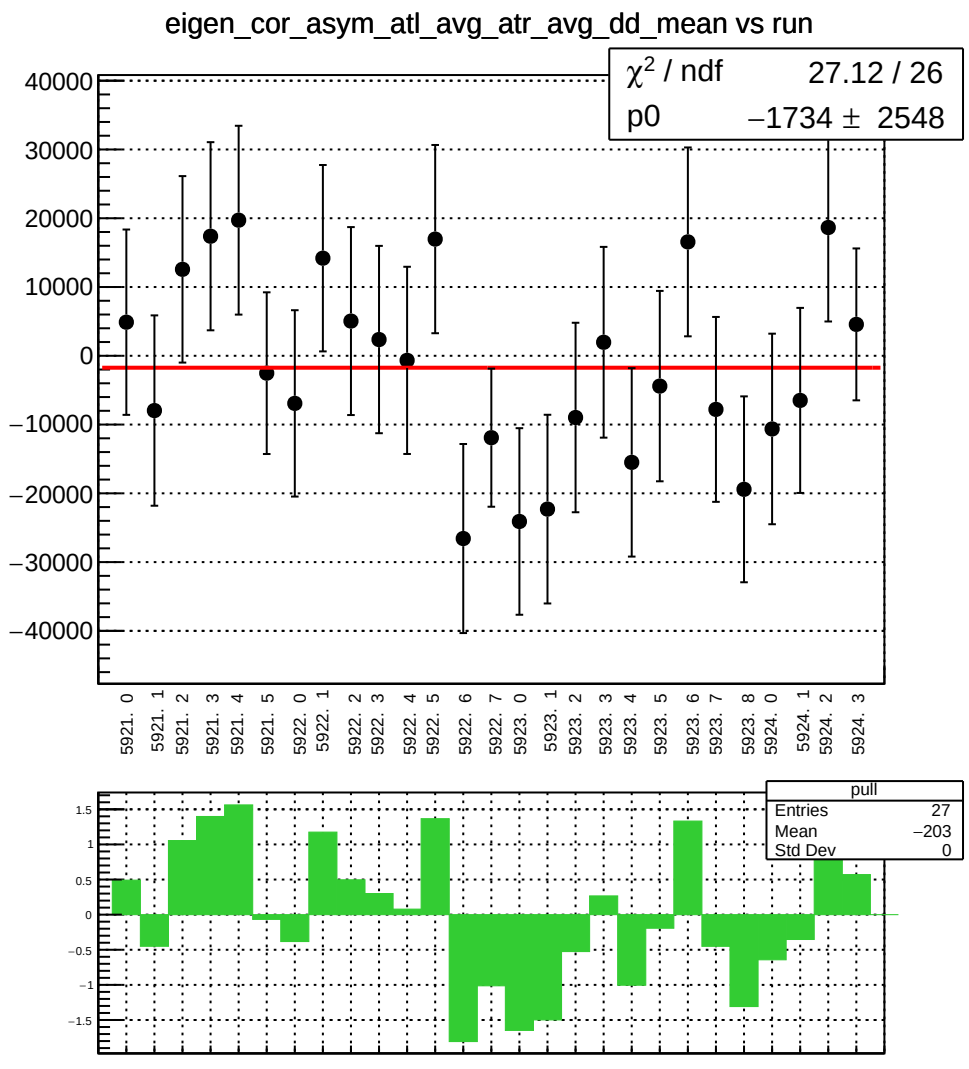
5924. 2
5924. 3


eigen_cor_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 27.12 / 26
p0 −1734 ± 2548
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
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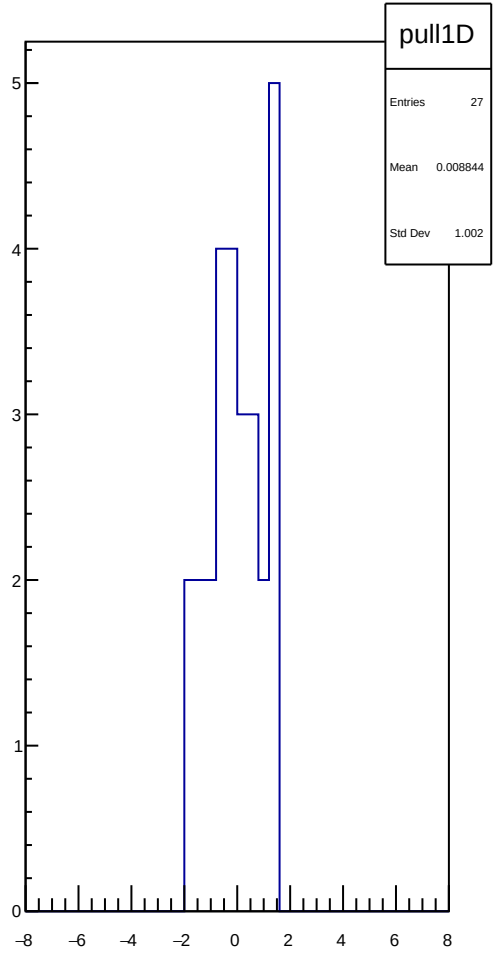
pull
Entries 27
Mean −203
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 27
Mean 0.008844
Std Dev 1.002
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4
3
2
1
0
−8
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−4
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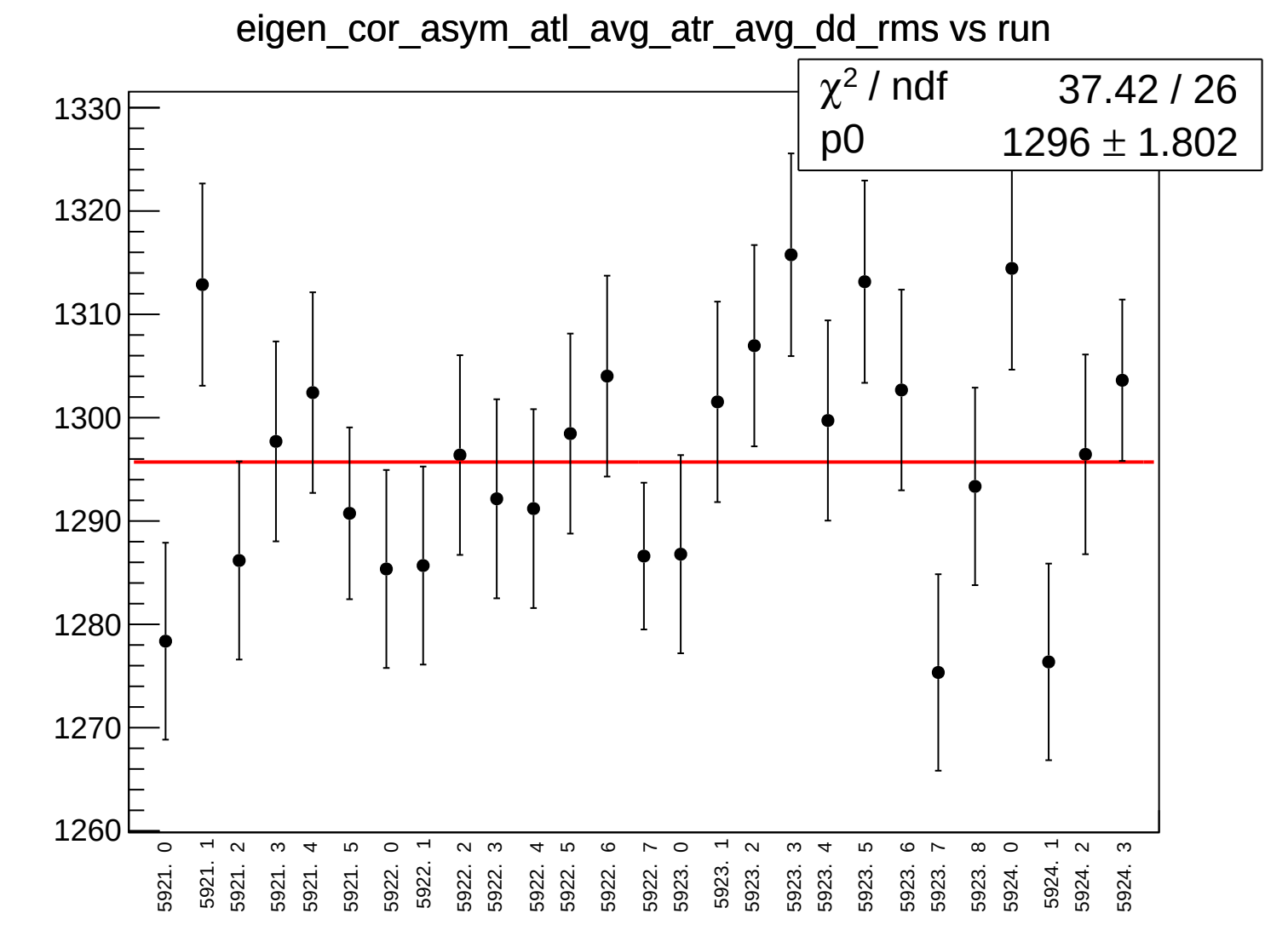
2
4
6
8


eigen_cor_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 37.42 / 26
p0 1296 ± 1.802
1330
1320
1310
1300
1290
1280
1270
1260
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
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5922. 6
5922. 7
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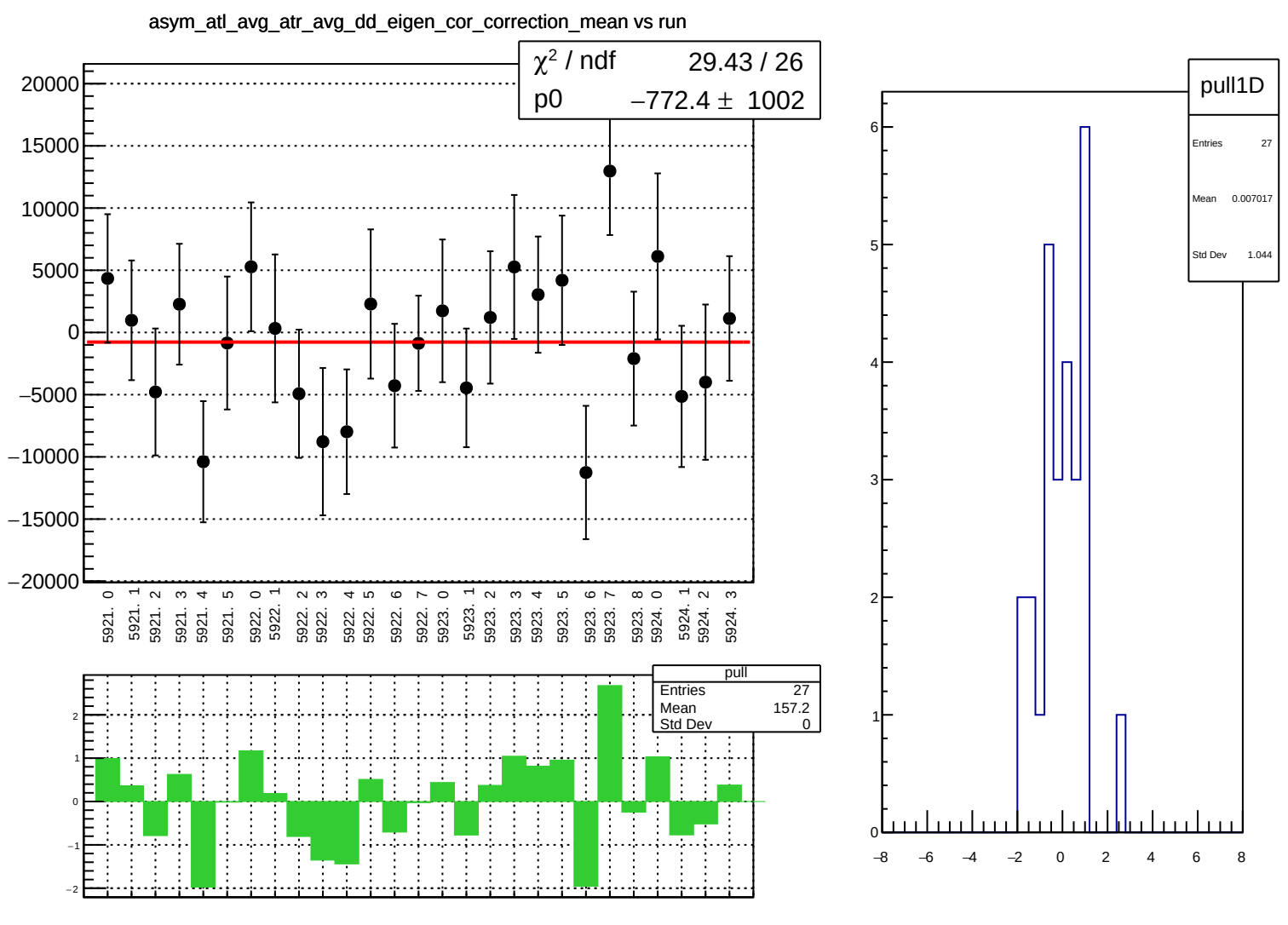
5924. 3


asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs run
χ² / ndf 29.43 / 26
p0 −772.4 ± 1002
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
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5923. 2
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5923. 4
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5923. 7
5923. 8
5924. 0
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5924. 2
5924. 3
pull
Entries 27
Mean 157.2
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.007017
Std Dev 1.044
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2
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6
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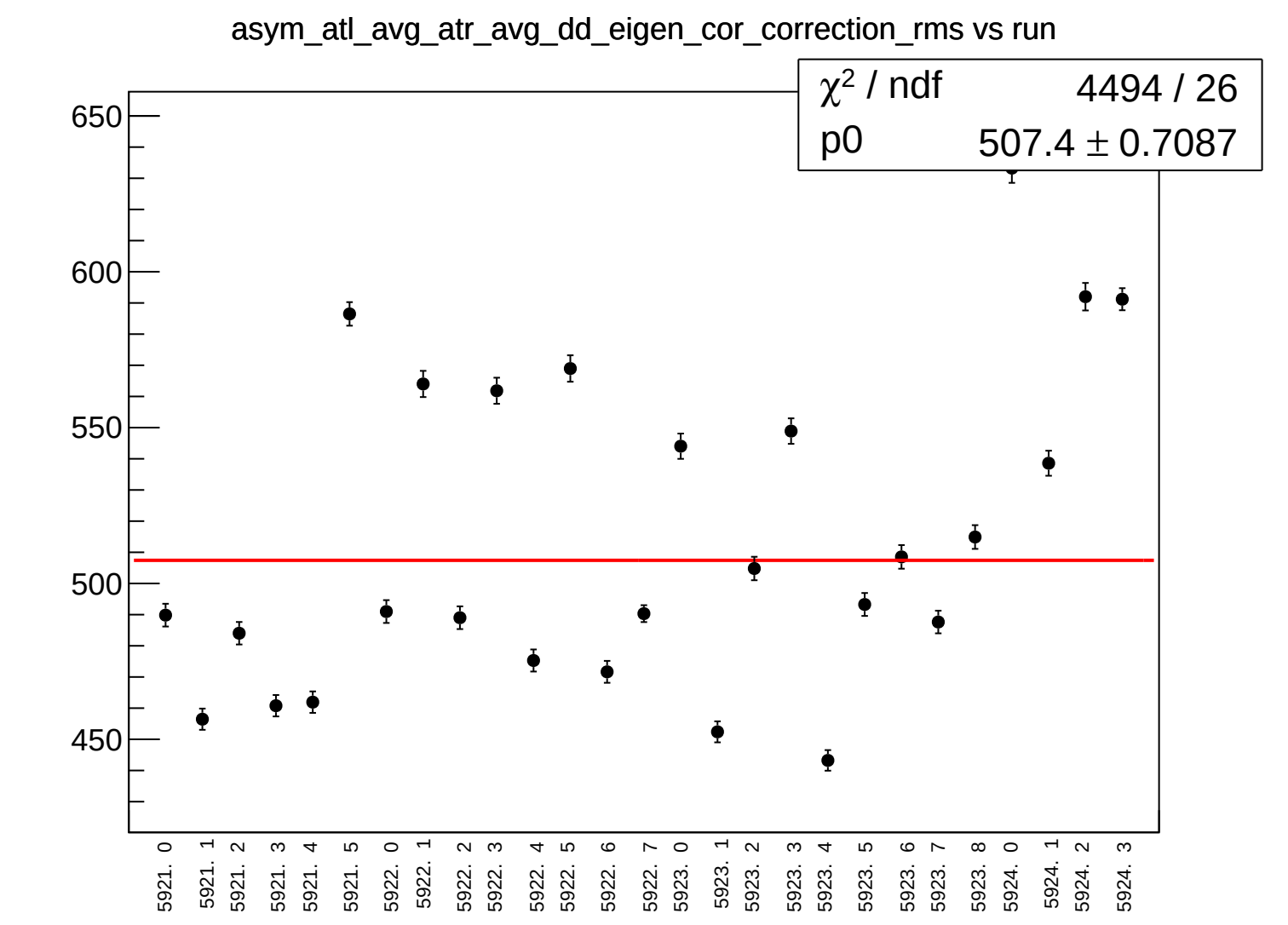
asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 4494 / 26
p0 507.4 ± 0.7087
650
600
550
500
450
5921. 0
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5921. 2
5921. 3
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5923. 8
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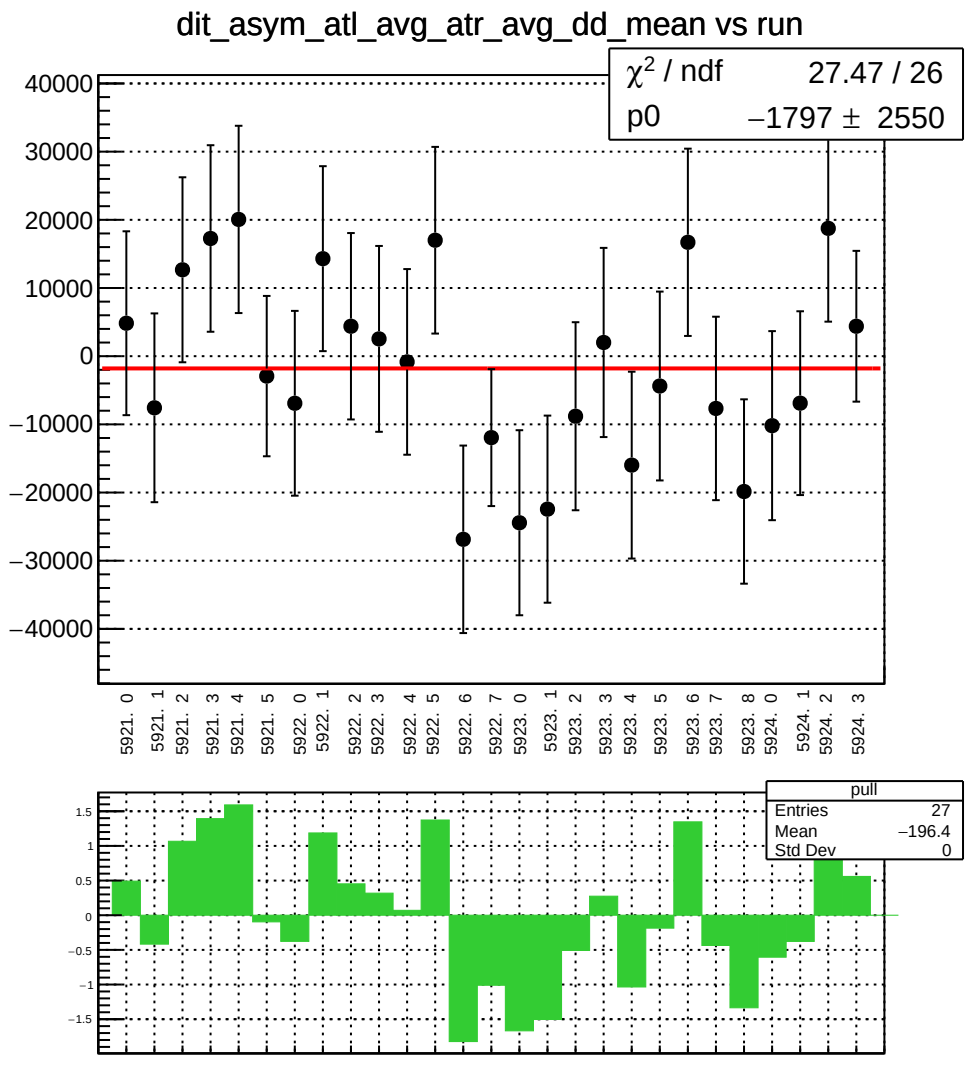
5924. 2
5924. 3


dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 27.47 / 26
p0 −1797 ± 2550
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
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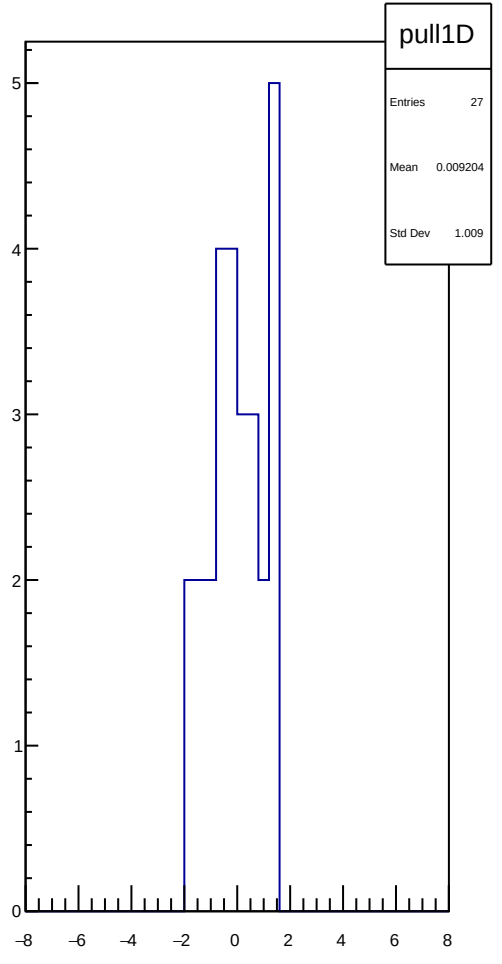
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −196.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 27
Mean 0.009204
Std Dev 1.009
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4
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1
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−4
−2
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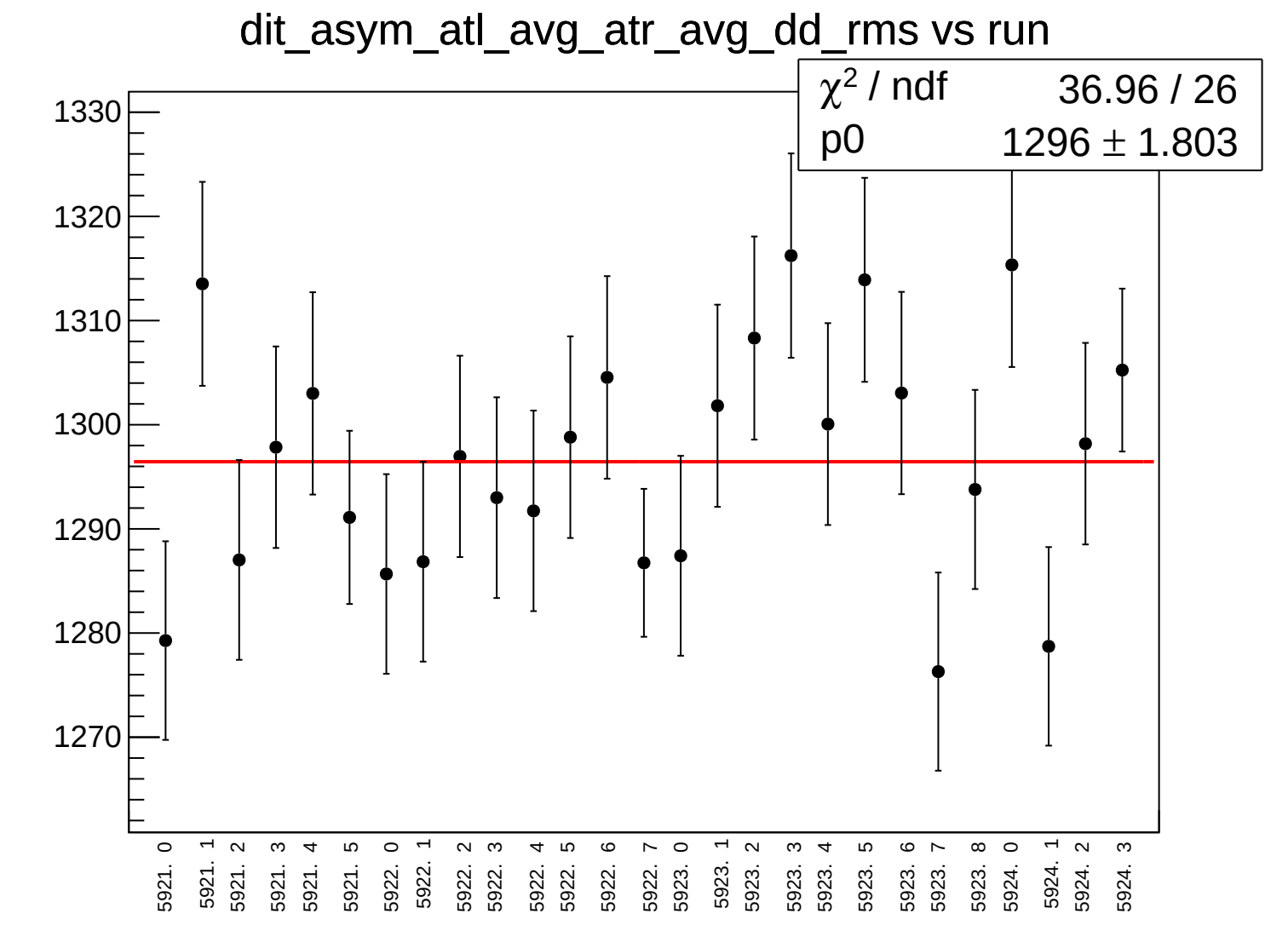
2
4
6
8


dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 36.96 / 26
p0 1296 ± 1.803
1330
1320
1310
1300
1290
1280
1270
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
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5922. 2
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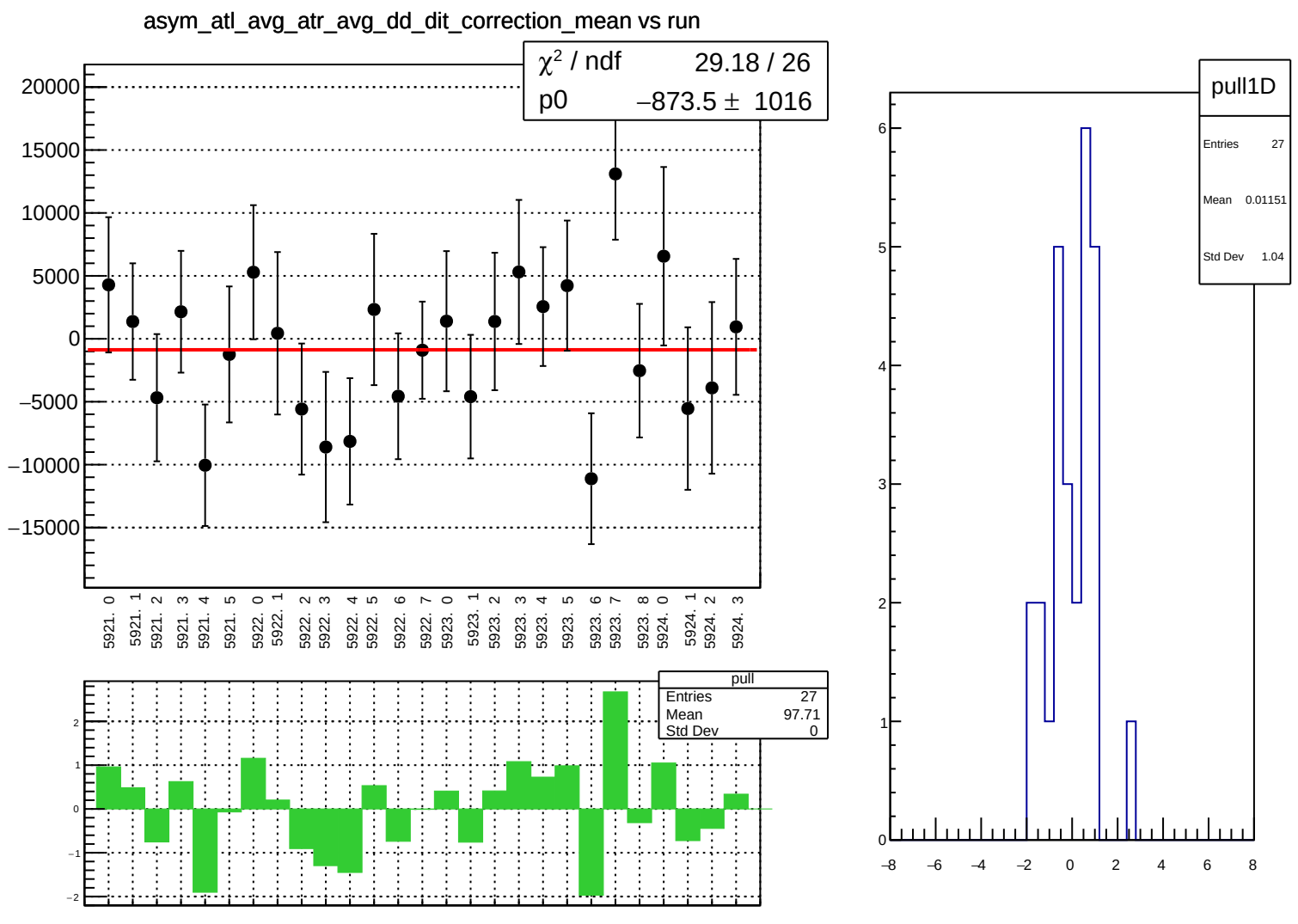
5924. 3


asym_atl_avg_atr_avg_dd_dit_correction_mean vs run
χ² / ndf 29.18 / 26
p0 −873.5 ± 1016
20000
15000
10000
5000
0
−5000
−10000
−15000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
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5922. 2
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5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 97.71
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.01151
Std Dev 1.04
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5
4
3
2
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−8
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−4
−2
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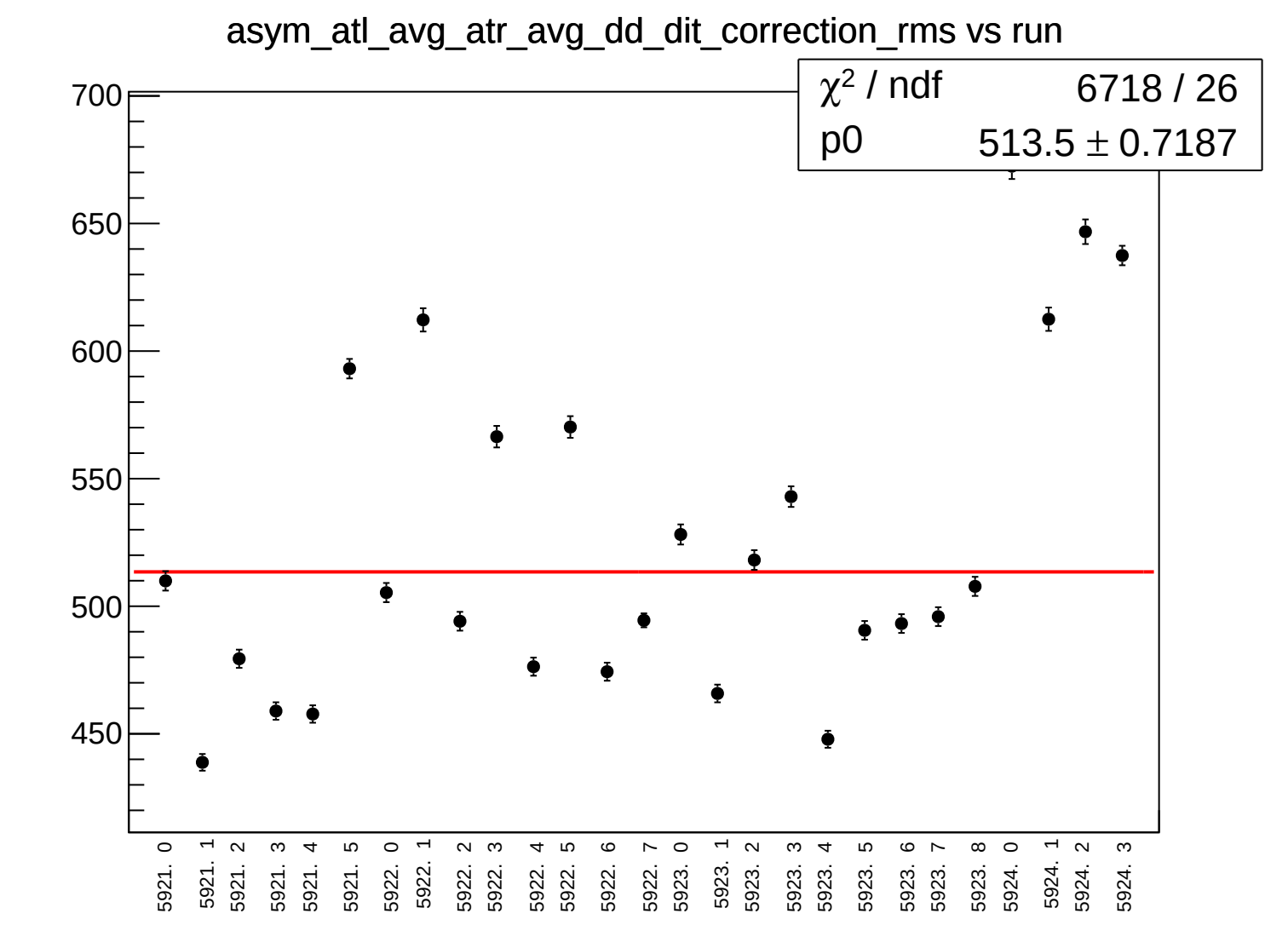
2
4
6
8


asym_atl_avg_atr_avg_dd_dit_correction_rms vs run
χ² / ndf 6718 / 26
p0 513.5 ± 0.7187
700
650
600
550
500
450
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
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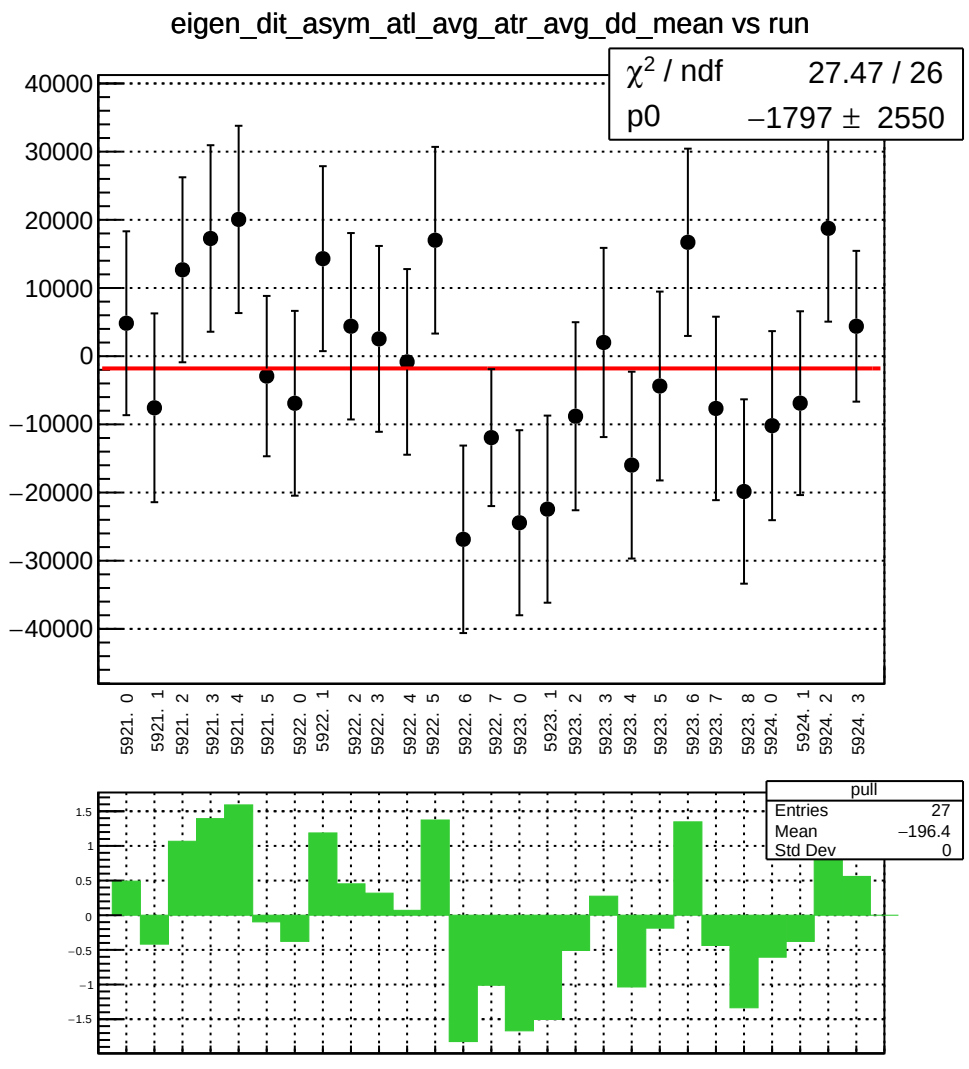
eigen_dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 27.47 / 26
p0 −1797 ± 2550
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
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pull
Entries 27
Mean −196.4
Std Dev 0
1.5
1
0.5
0
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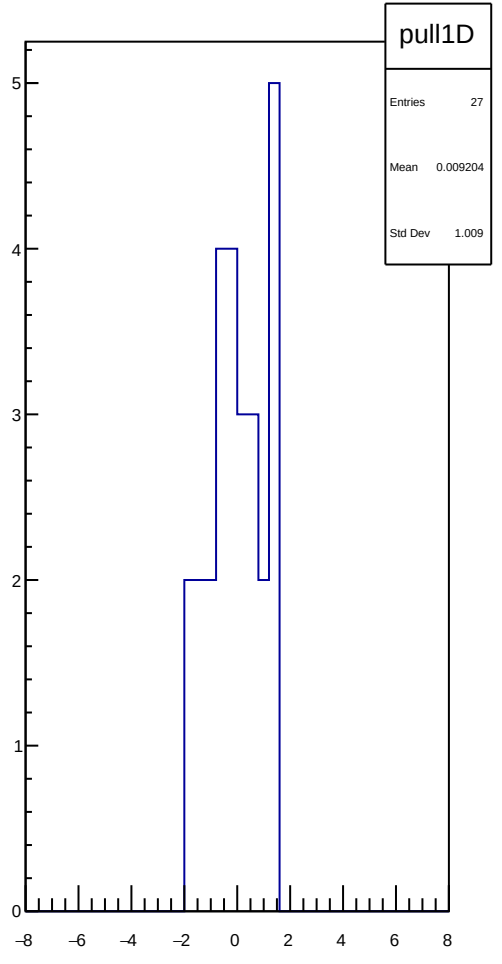
−1
−1.5


pull1D
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Mean 0.009204
Std Dev 1.009
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−6
−4
−2
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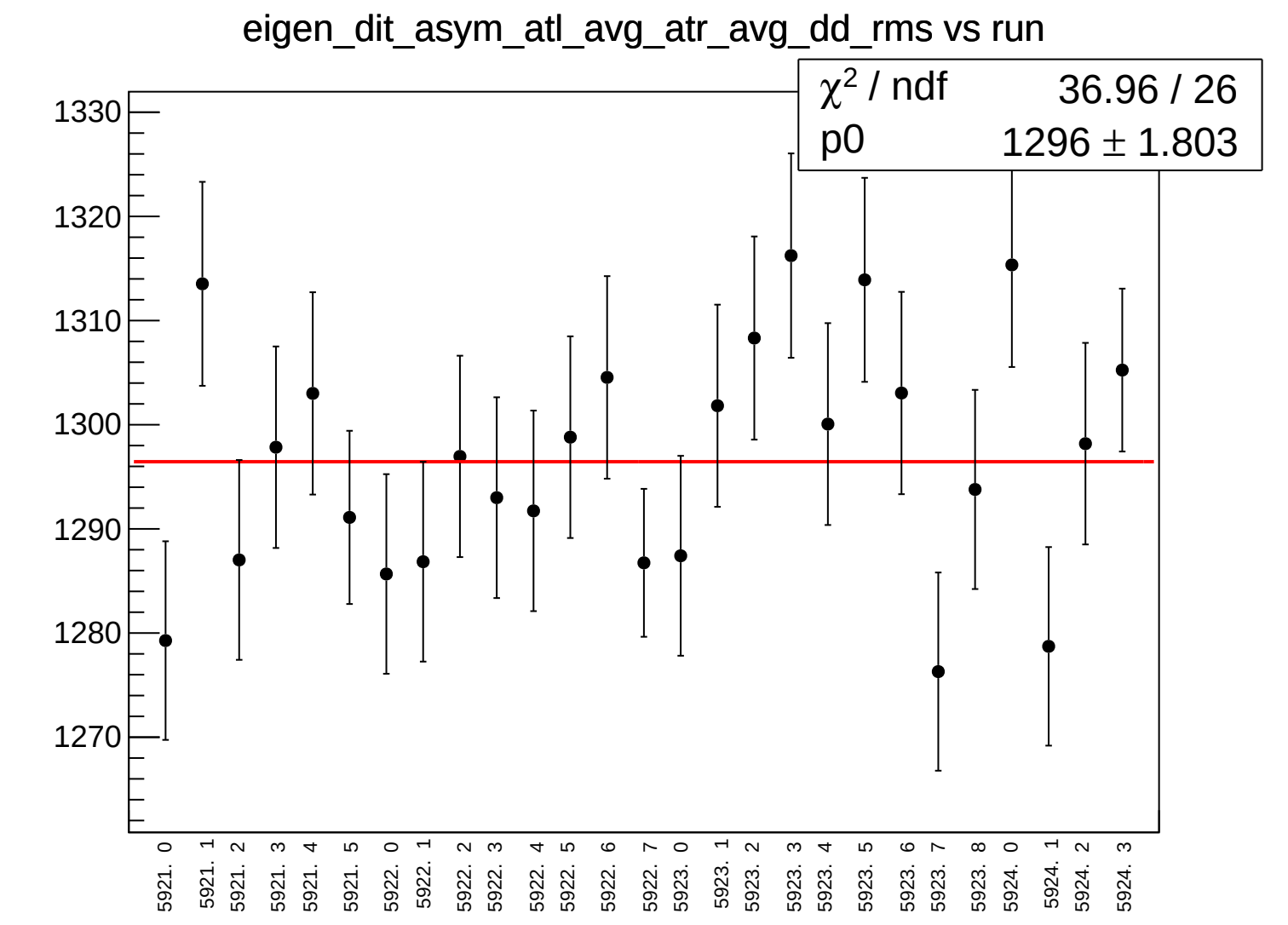
2
4
6
8


eigen_dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 36.96 / 26
p0 1296 ± 1.803
1330
1320
1310
1300
1290
1280
1270
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
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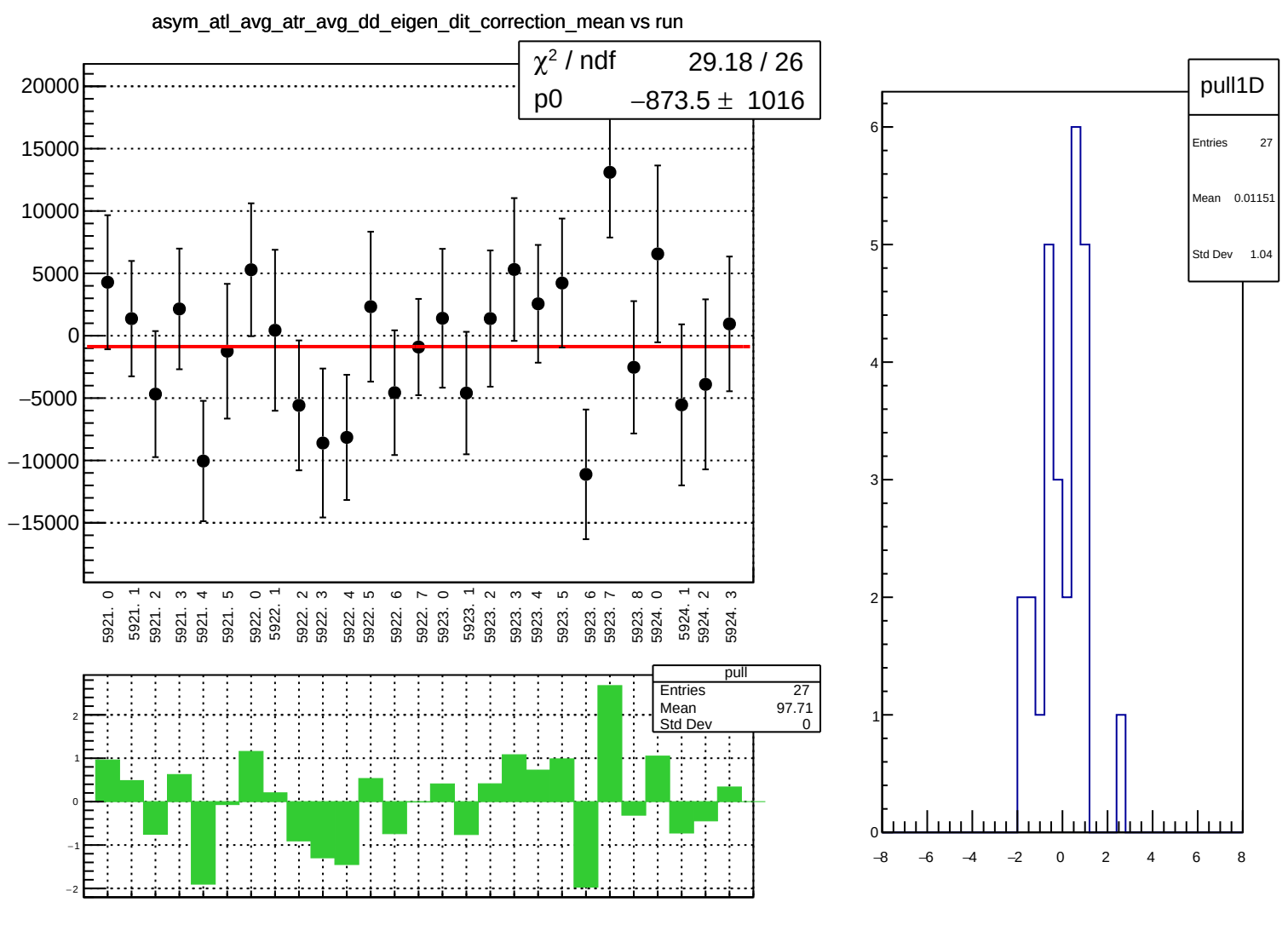
asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs run
χ² / ndf 29.18 / 26
p0 −873.5 ± 1016
20000
15000
10000
5000
0
−5000
−10000
−15000
5921. 0
5921. 1
5921. 2
5921. 3
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5921. 5
5922. 0
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5922. 2
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5924. 0
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5924. 2
5924. 3
pull
Entries 27
Mean 97.71
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.01151
Std Dev 1.04
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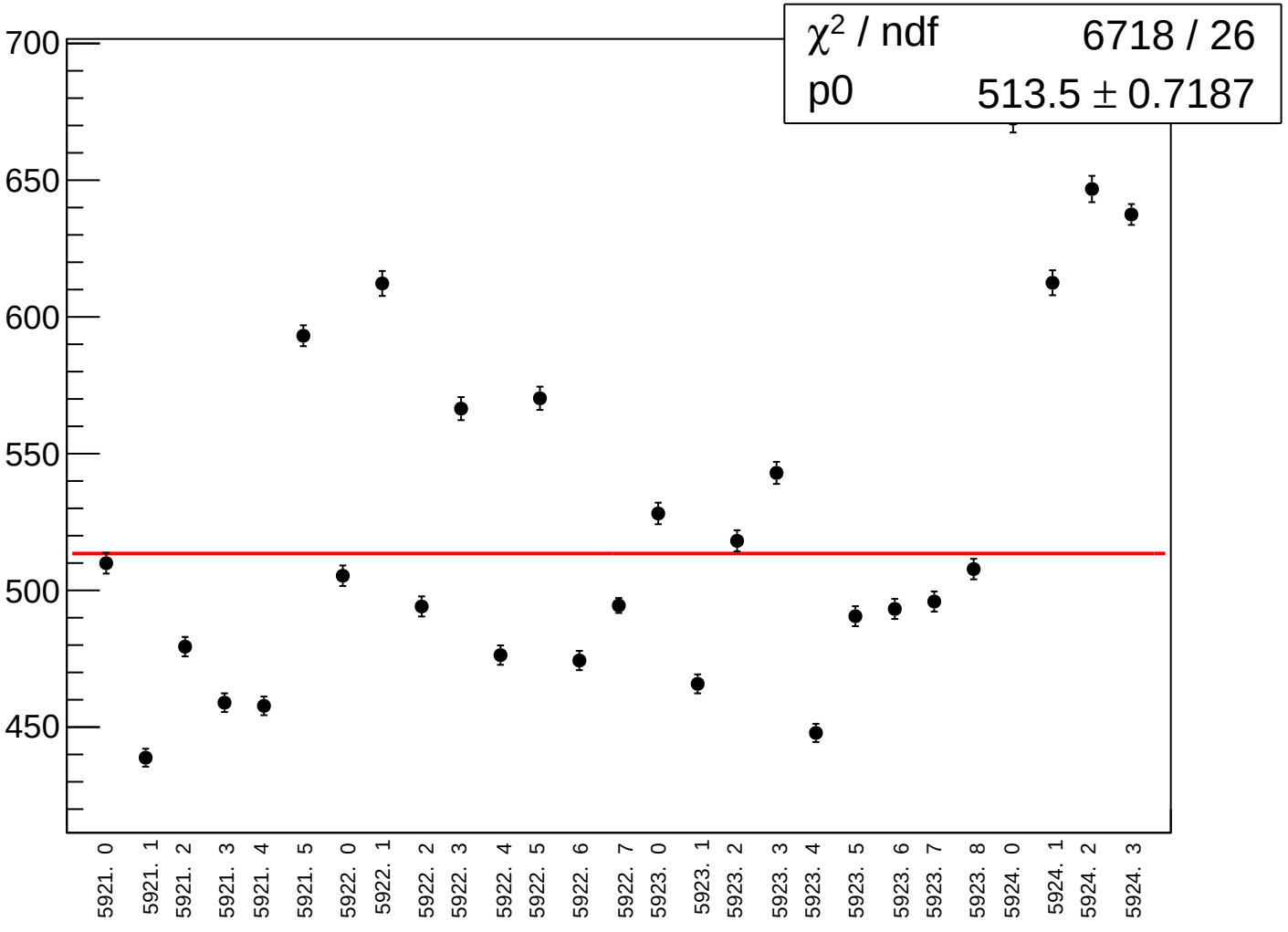
−4
−2
0
2
4
6
8


asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 6718 / 26
p0 513.5 ± 0.7187
700
650
600
550
500
450
5921. 0
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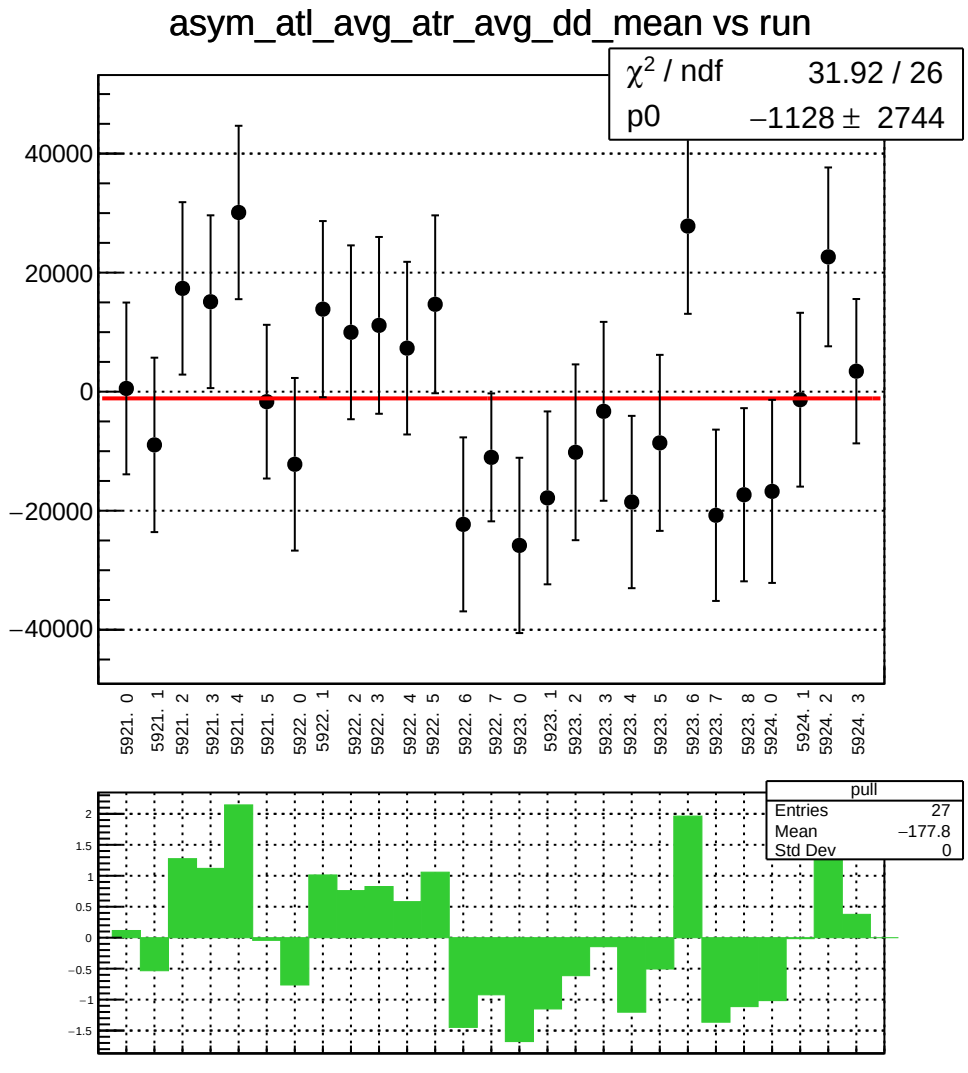
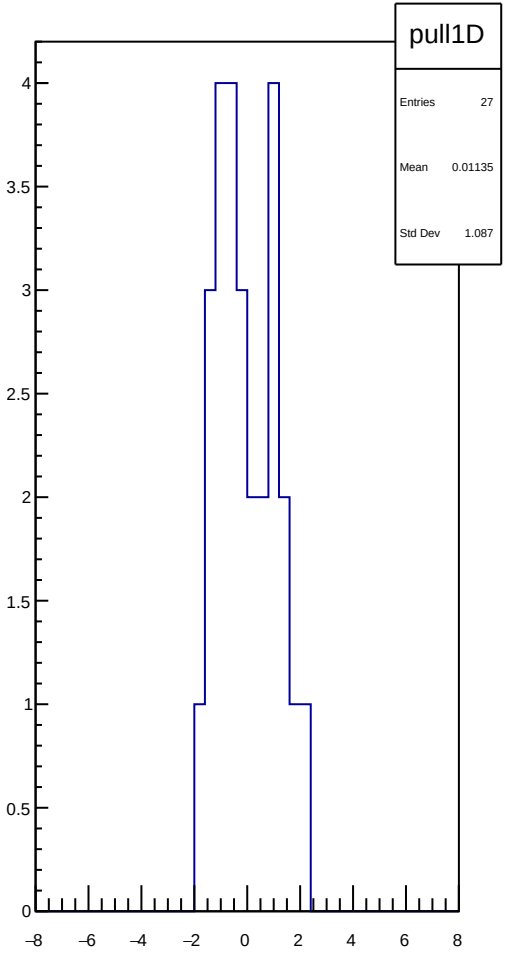
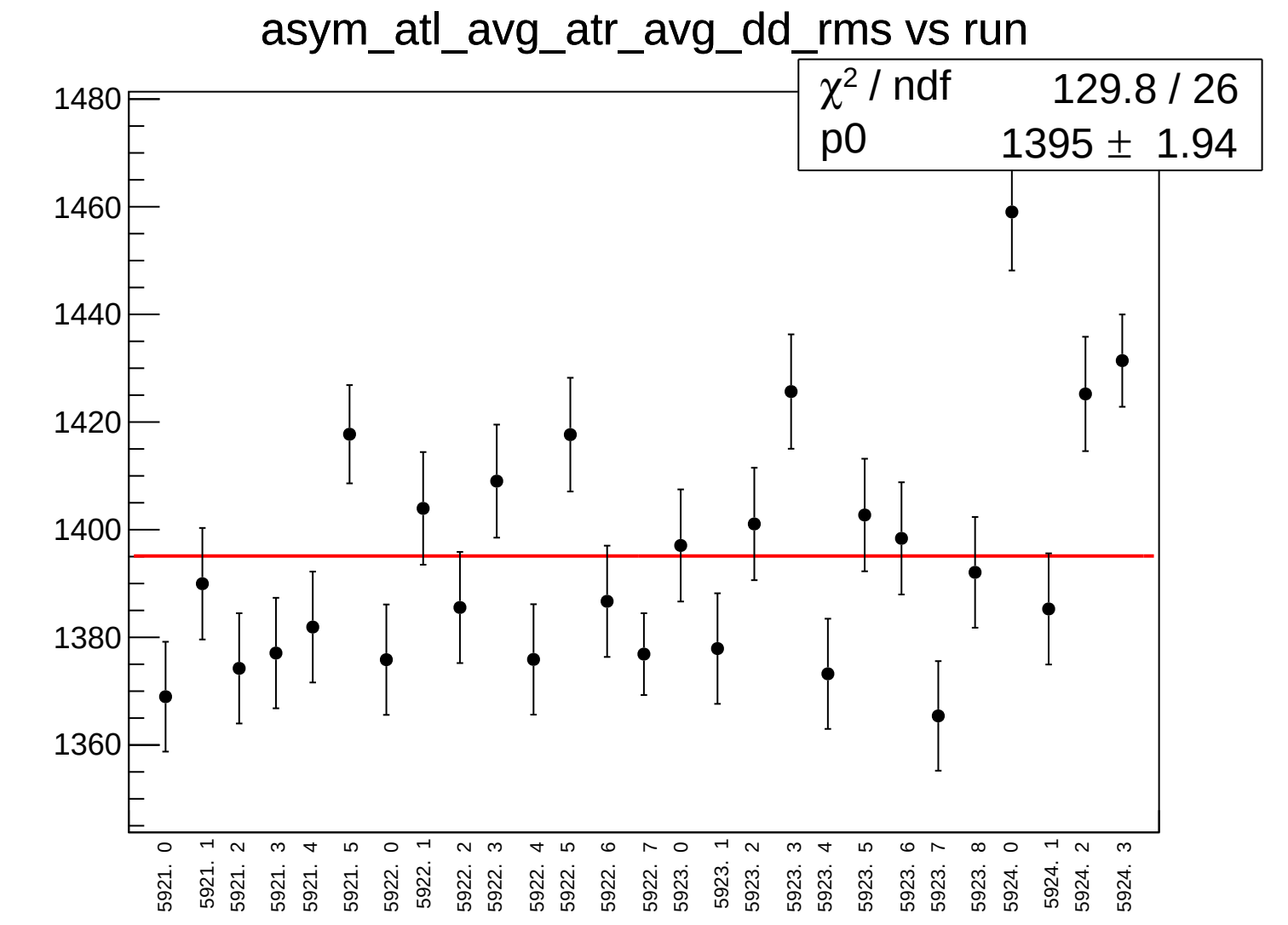
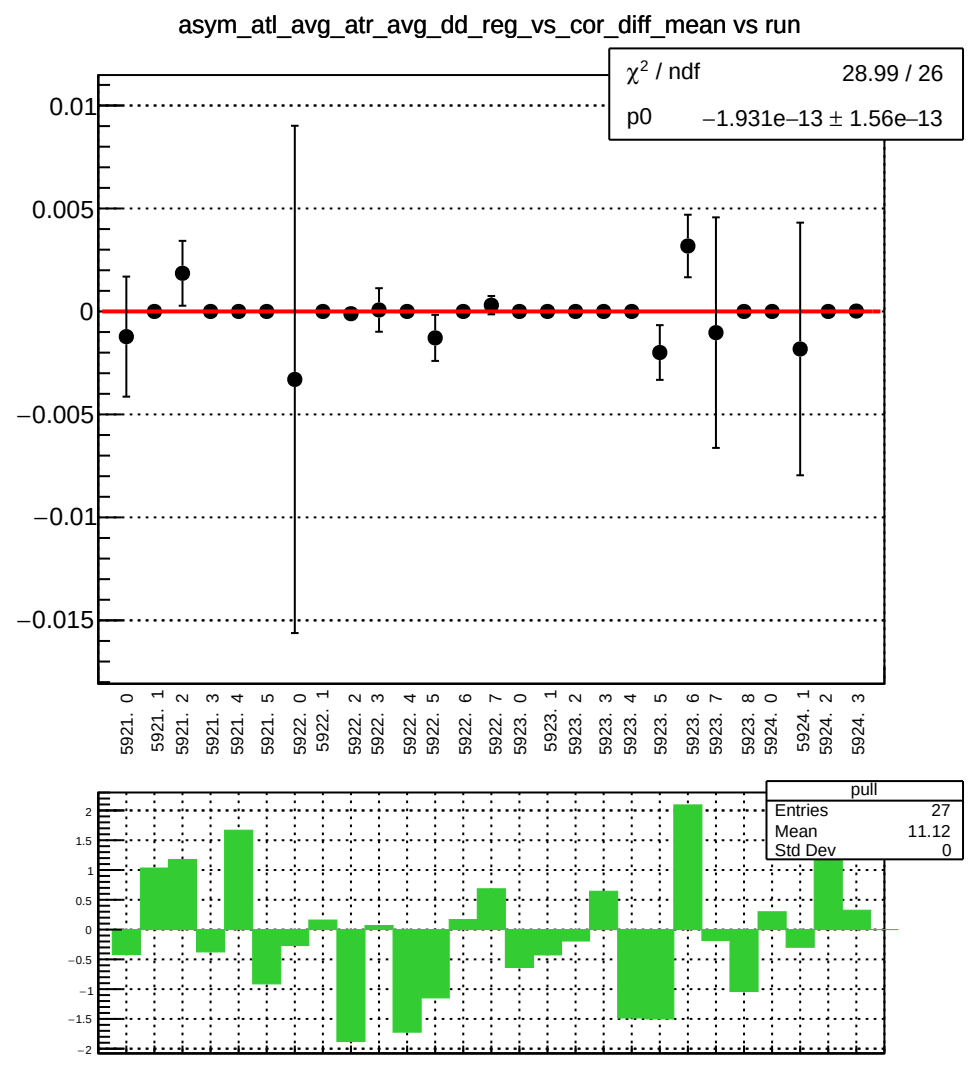
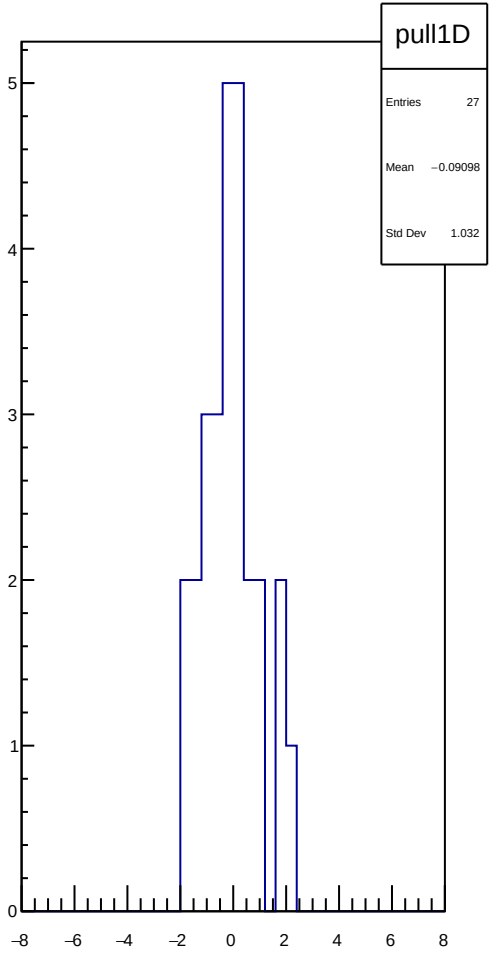
5924. 3

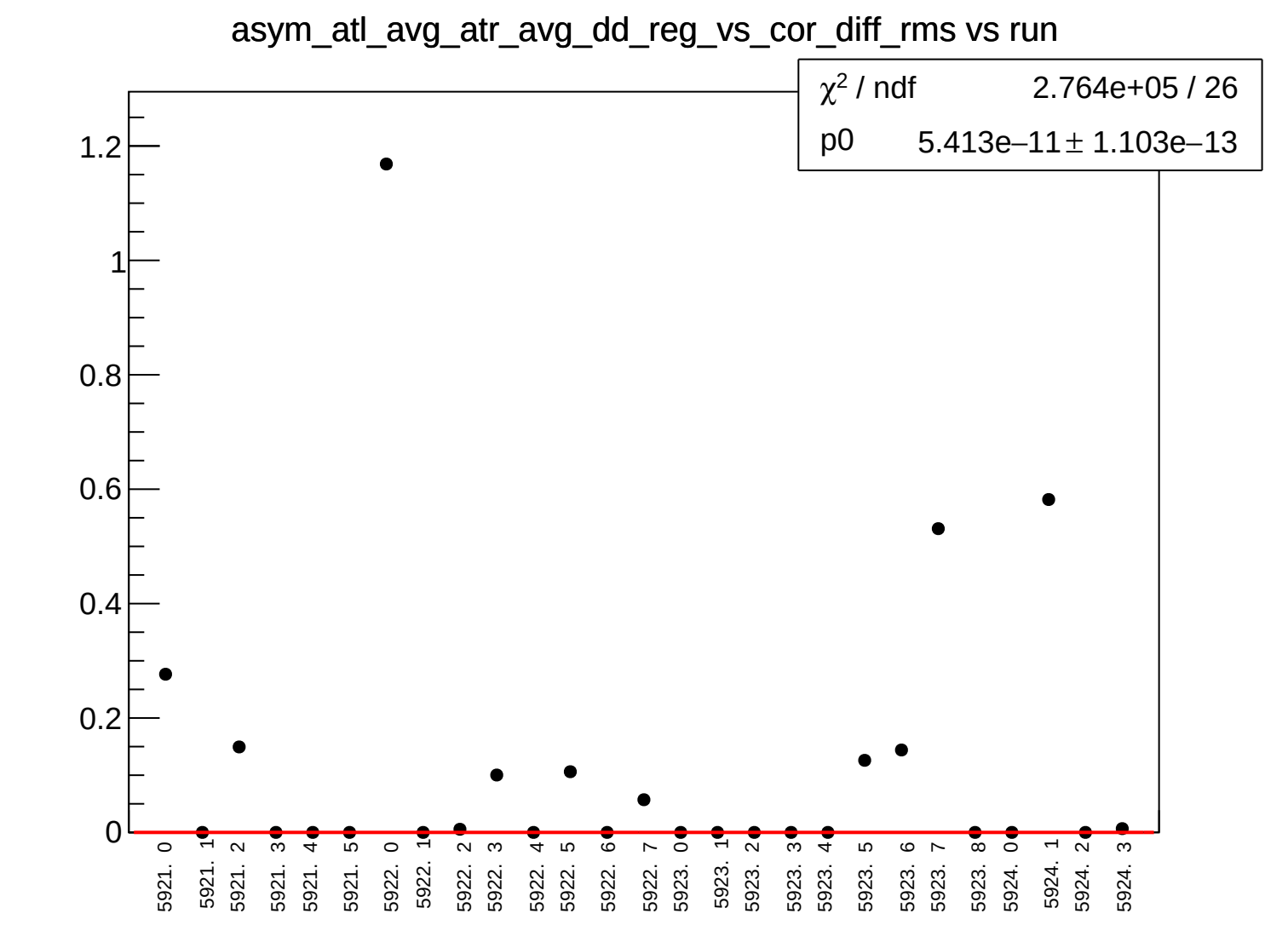

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 31.92 / 26
p0 −1128 ± 2744
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −177.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

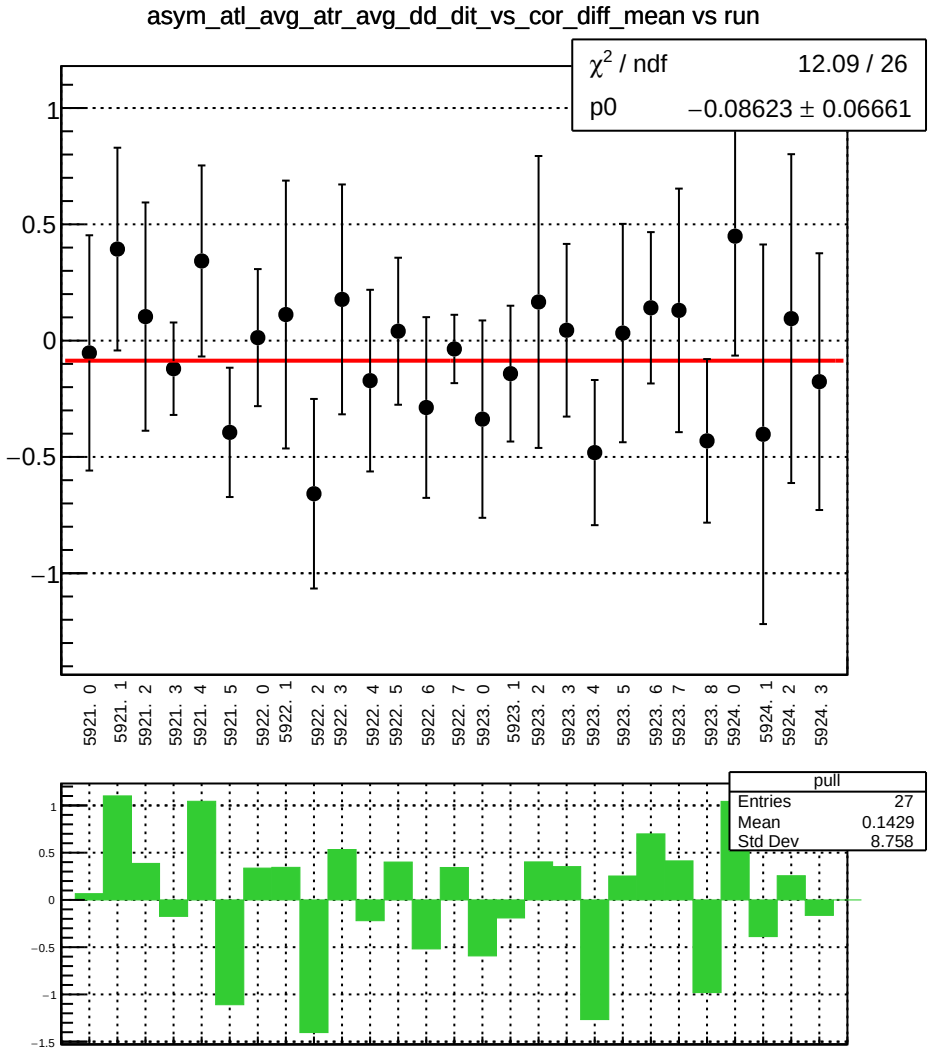

pull1D
Entries 27
Mean 0.01135
Std Dev 1.087
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

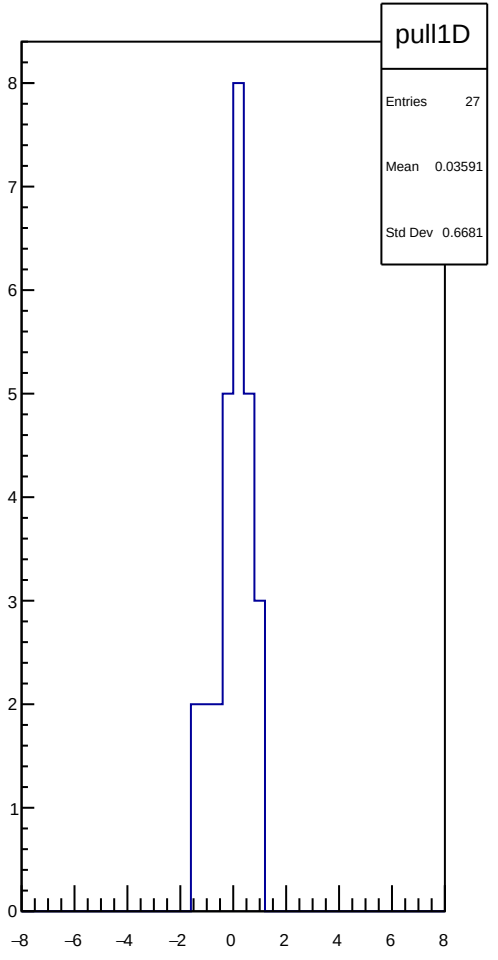

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 129.8 / 26
p0 1395 ± 1.94
1480
1460
1440
1420
1400
1380
1360
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

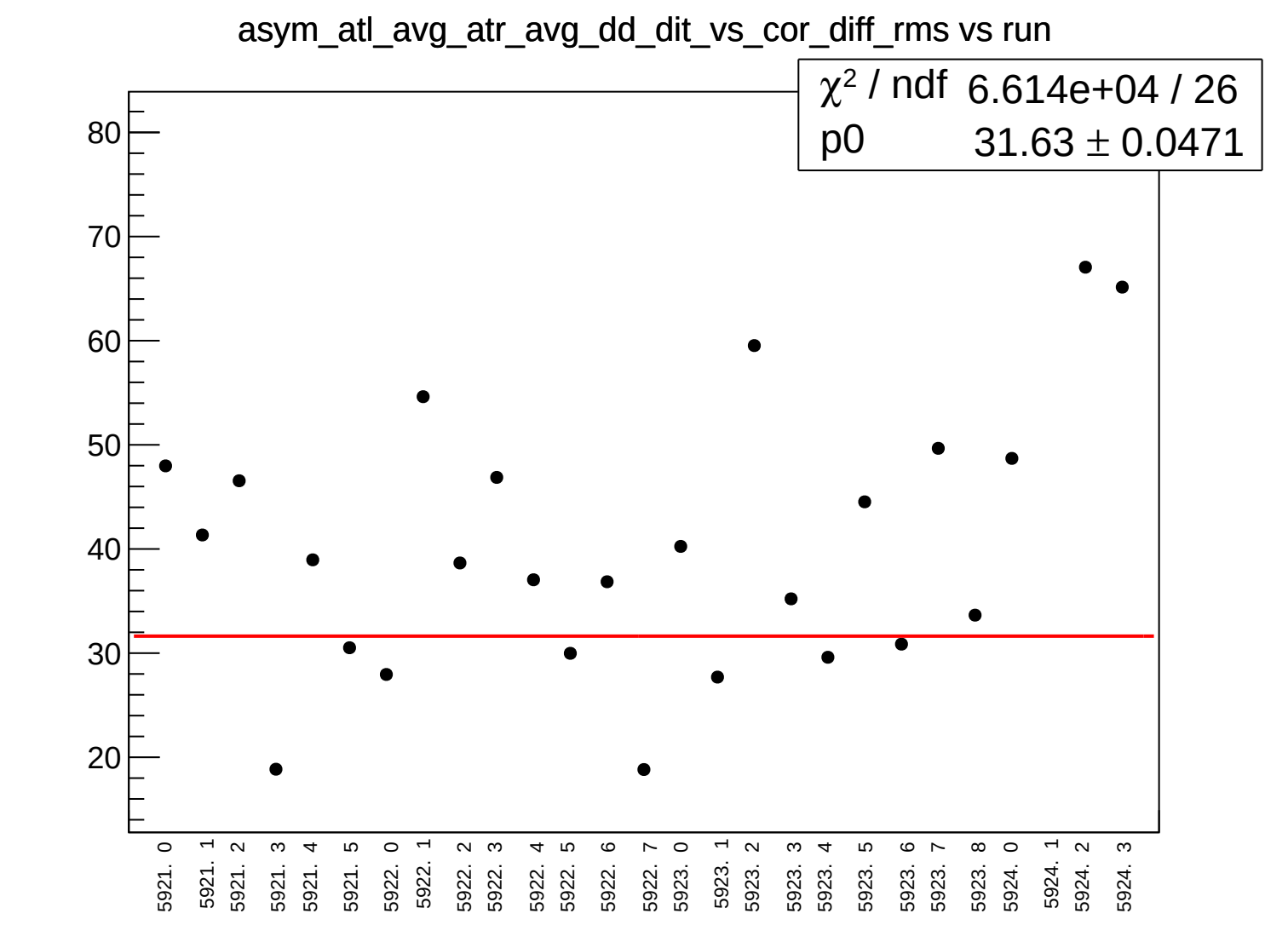

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 28.99 / 26
p0 −1.931e−13 ± 1.56e−13
0.01
0.005
0
−0.005
−0.01
−0.015
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 11.12
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

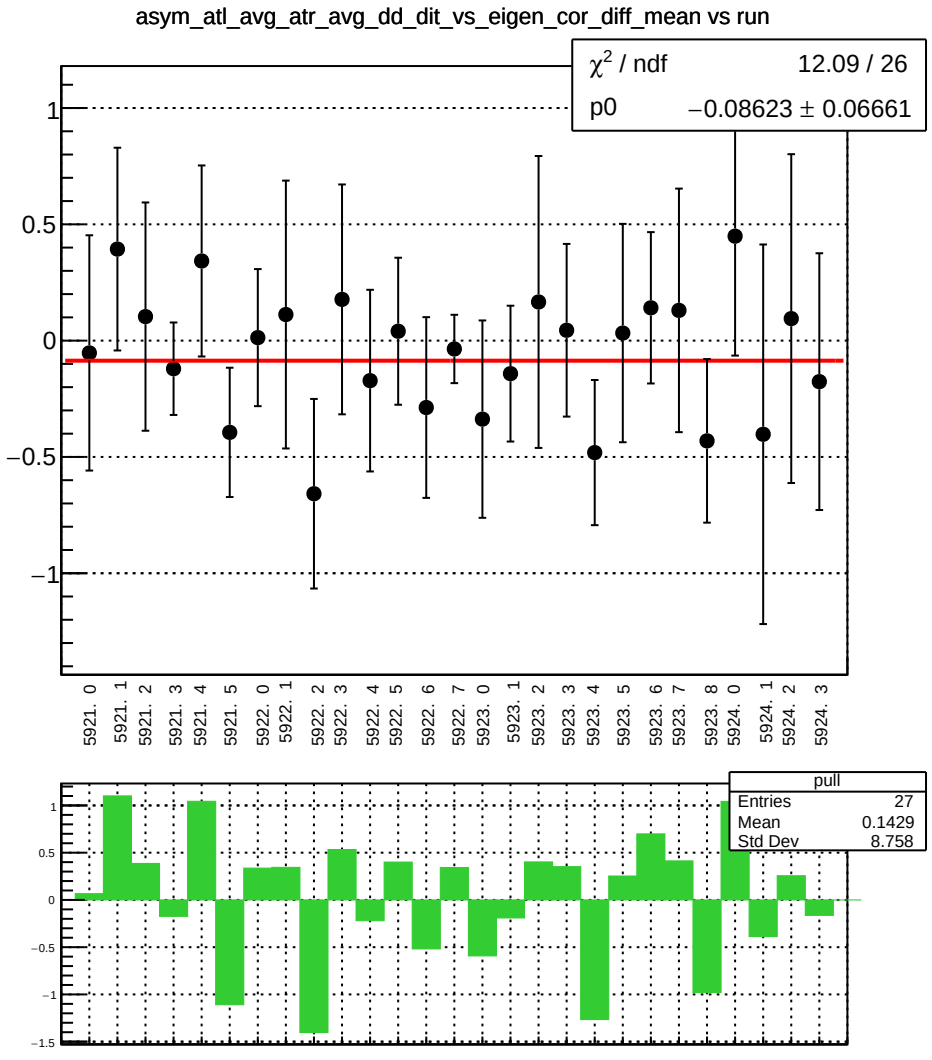

pull1D
Entries 27
Mean −0.09098
Std Dev 1.032
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

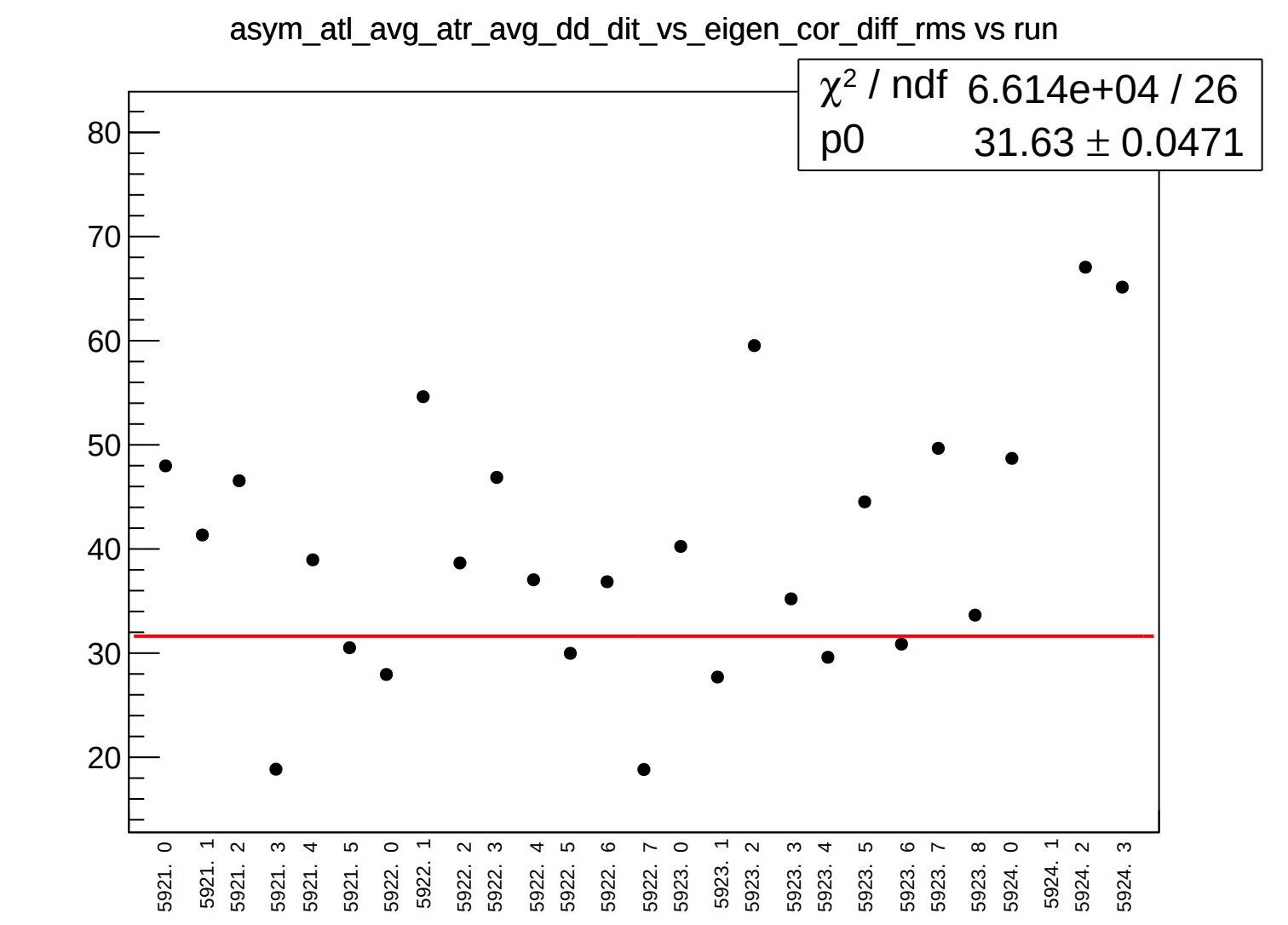

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 2.764e+05 / 26
p0 5.413e−11 ± 1.103e−13
1.2
1
0.8
0.6
0.4
0.2
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

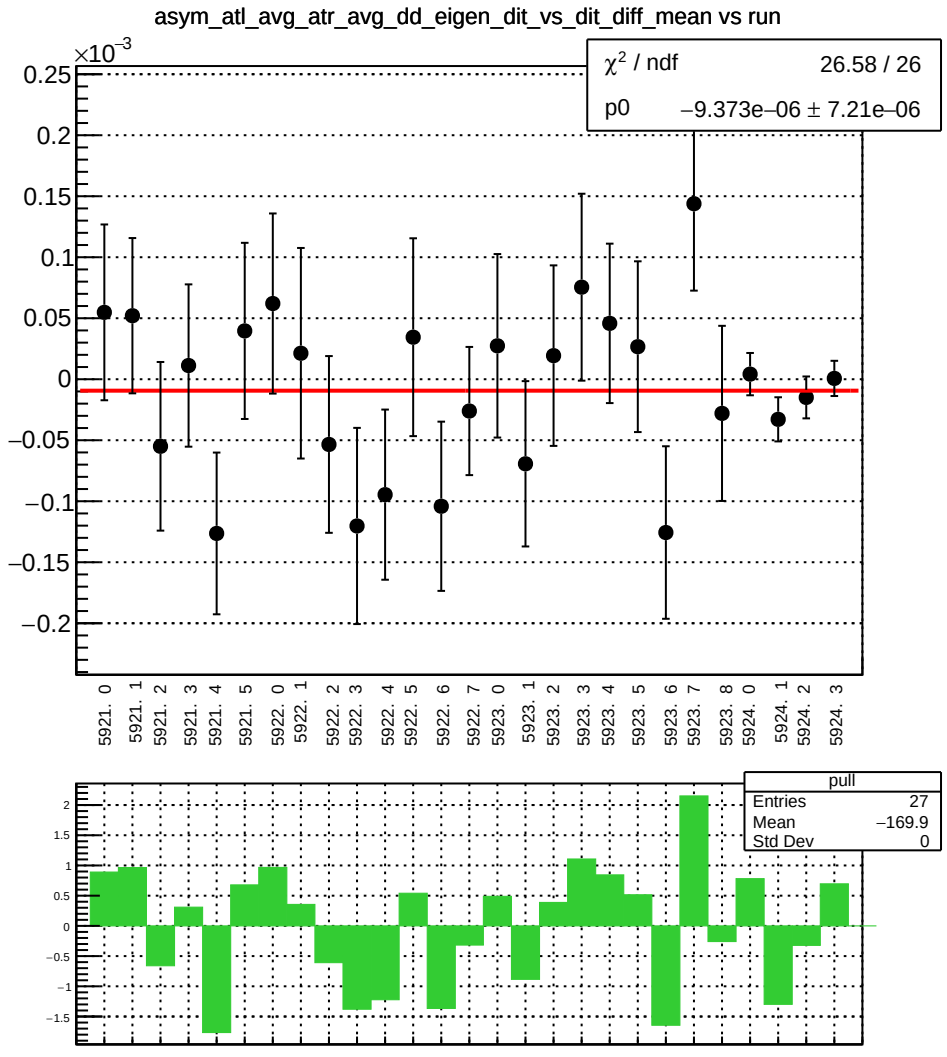

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 12.09 / 26
p0 −0.08623 ± 0.06661
1
0.5
0
−0.5
−1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 0.1429
Std Dev 8.758
1
0.5
0
−0.5
−1
−1.5

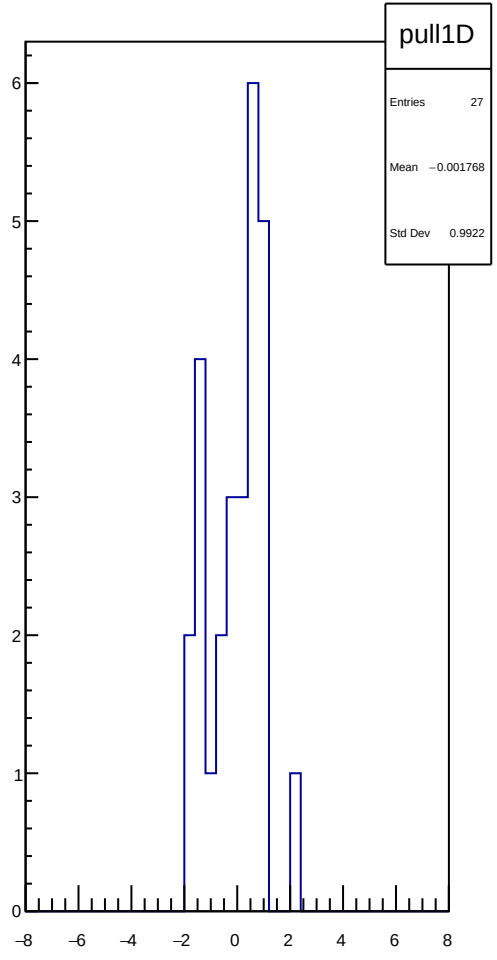

pull1D
Entries 27
Mean 0.03591
Std Dev 0.6681
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

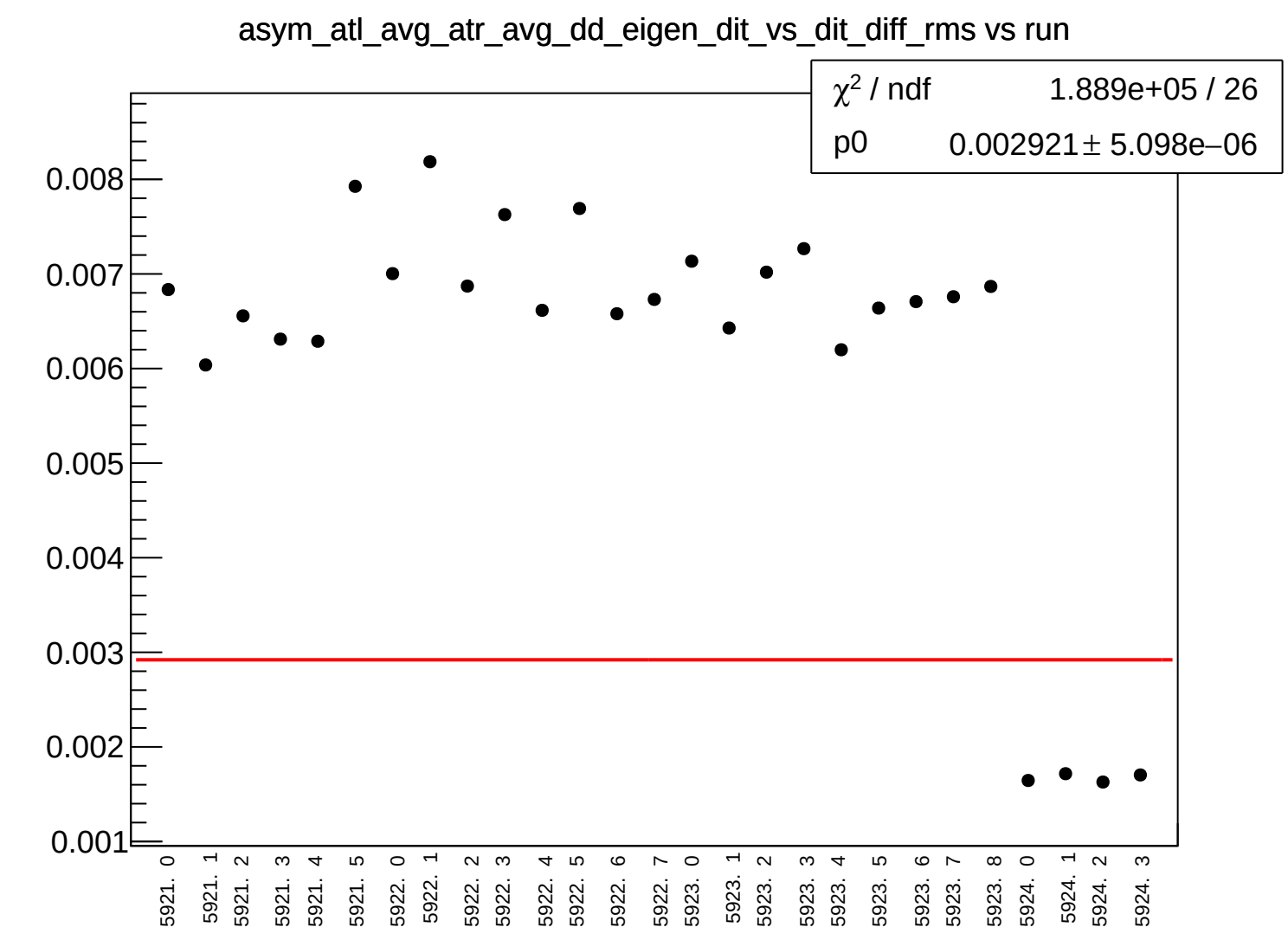

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 6.614e+04 / 26
p0 31.63 ± 0.0471
80
70
60
50
40
30
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

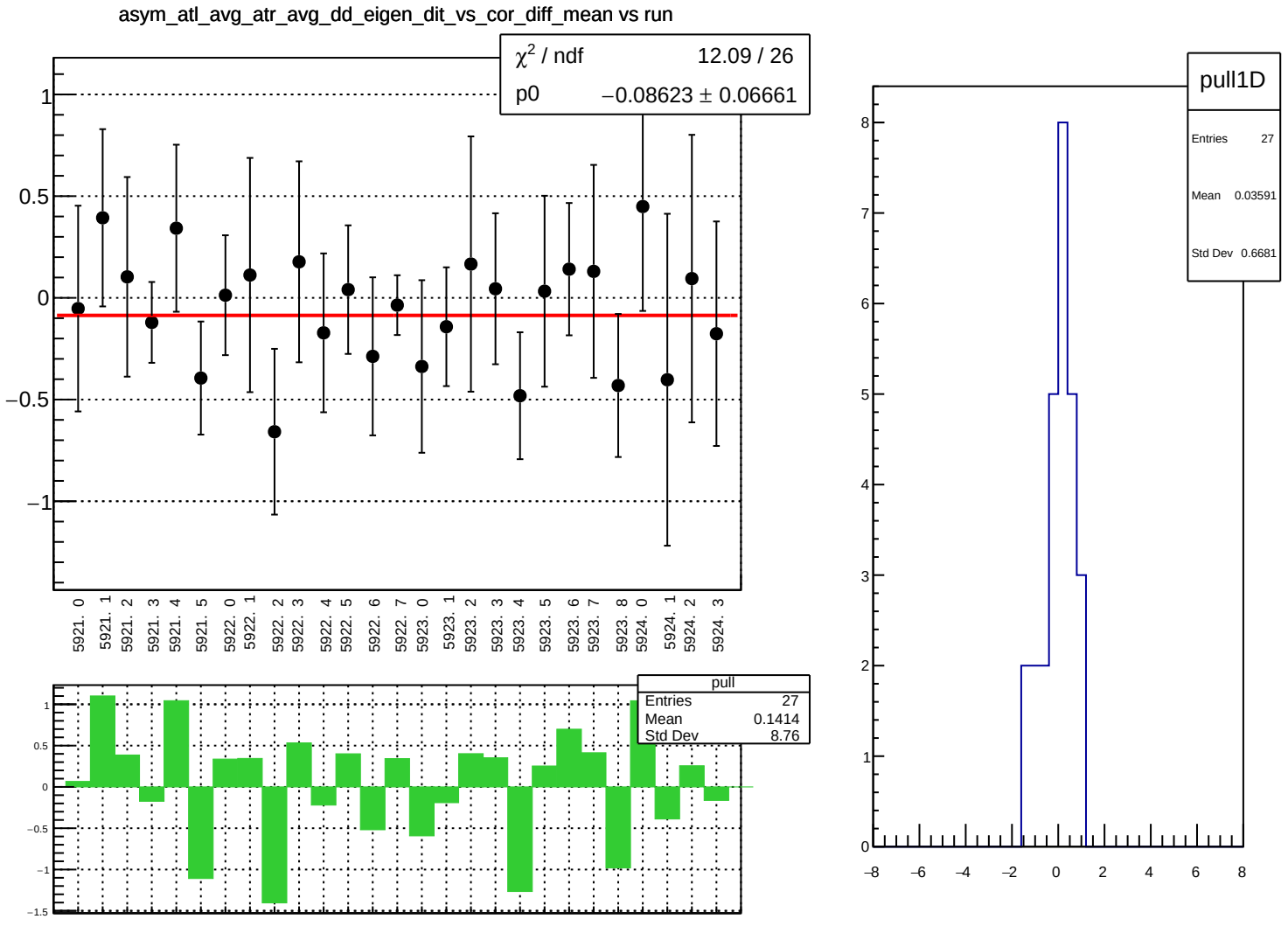

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 12.09 / 26
p0 −0.08623 ± 0.06661
pull
Entries 27
Mean 0.1429
Std Dev 8.758
pull1D
Entries 27
Mean 0.03591
Std Dev 0.6681

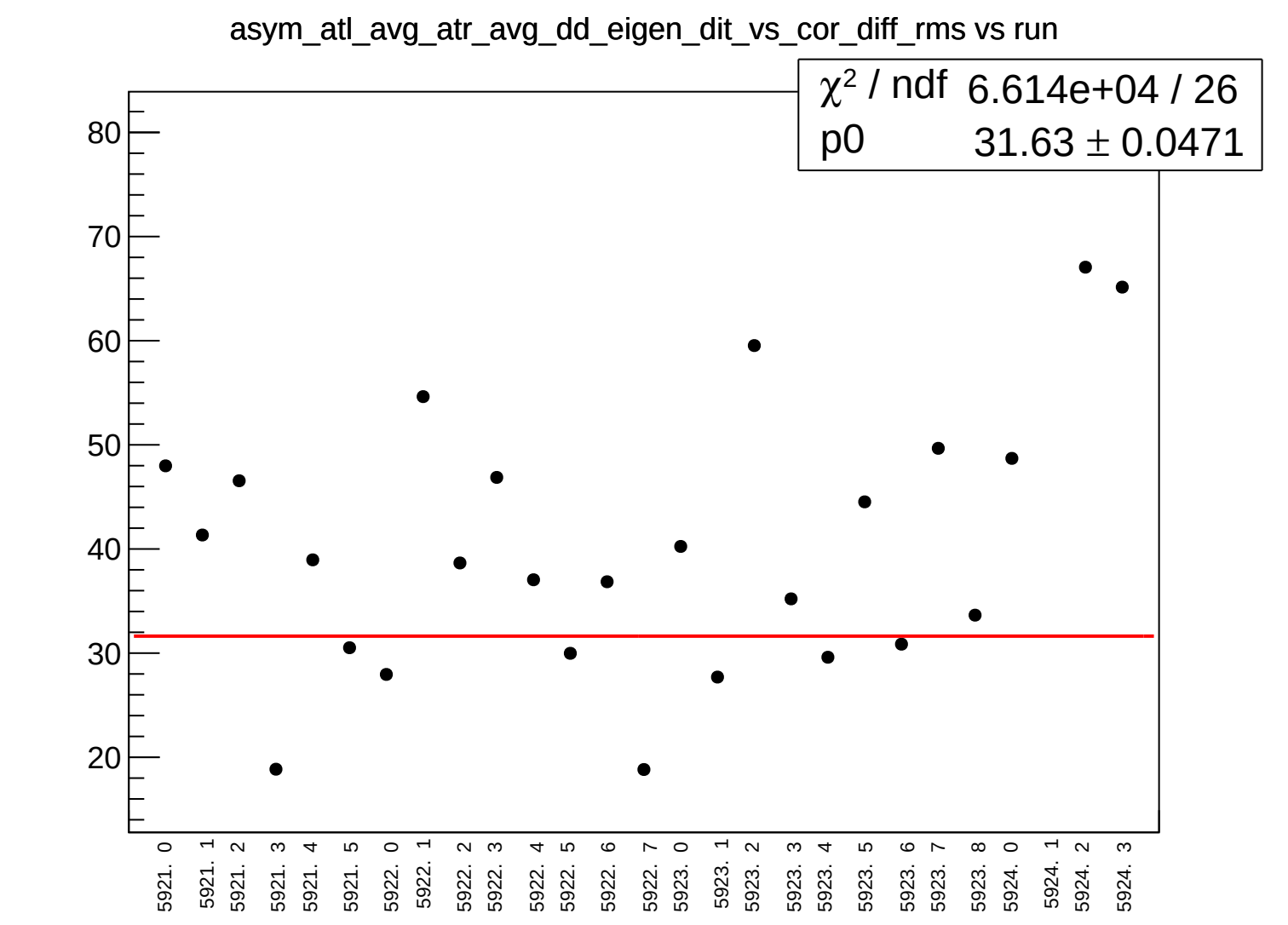

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.614e+04 / 26
p0 31.63 ± 0.0471
80
70
60
50
40
30
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

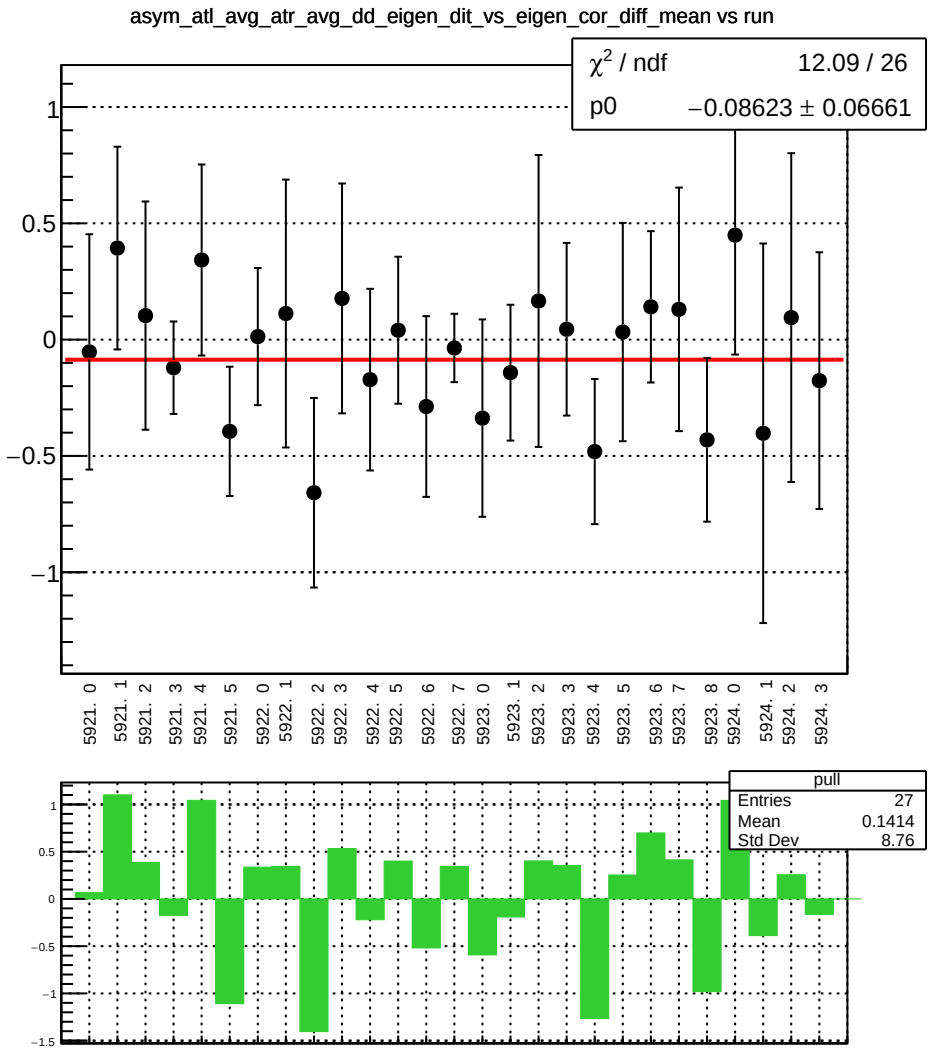

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 26.58 / 26
p0 −9.373e−06 ± 7.21e−06
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −169.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

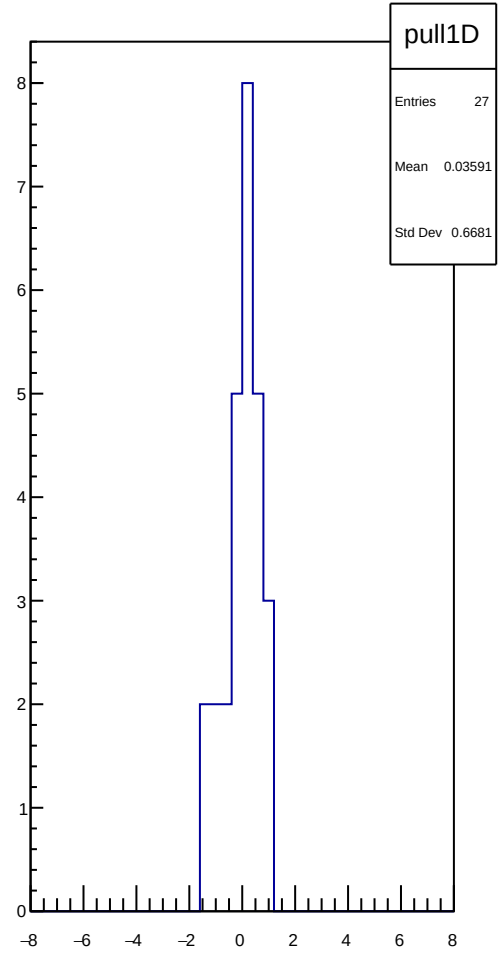

pull1D
Entries 27
Mean −0.001768
Std Dev 0.9922
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

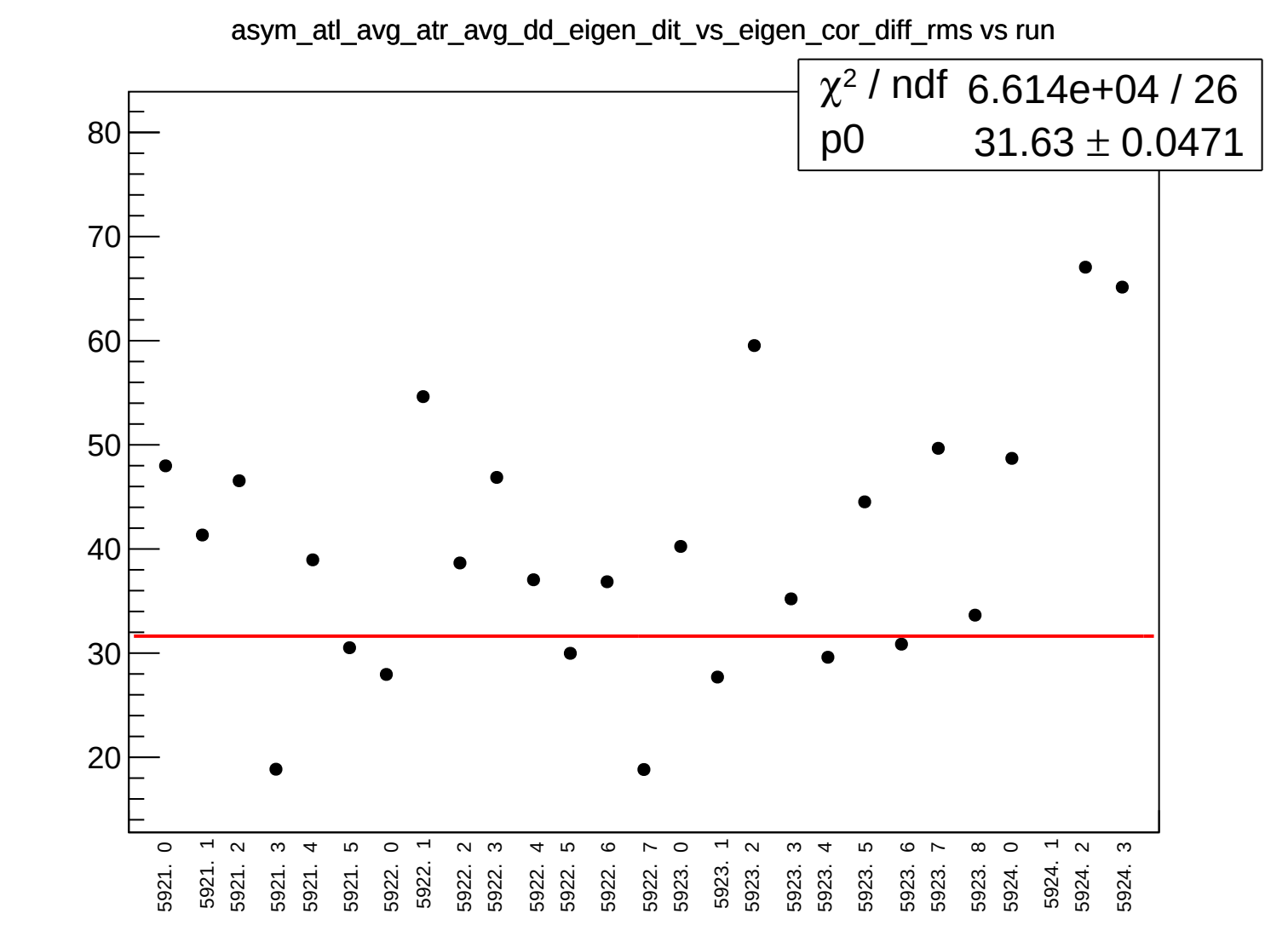

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.889e+05 / 26
p0 0.002921 ± 5.098e−06
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

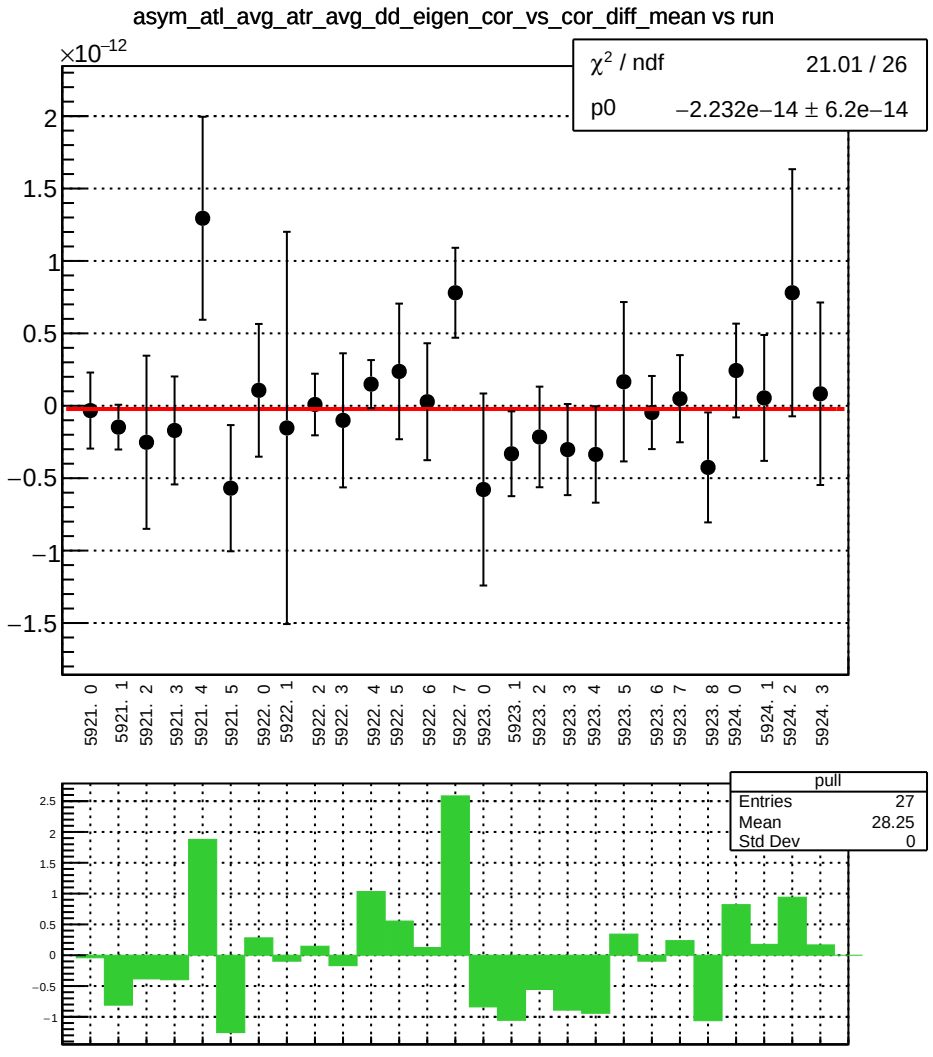

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 12.09 / 26
p0 −0.08623 ± 0.06661
1
0.5
0
−0.5
−1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 0.1414
Std Dev 8.76
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.03591
Std Dev 0.6681
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

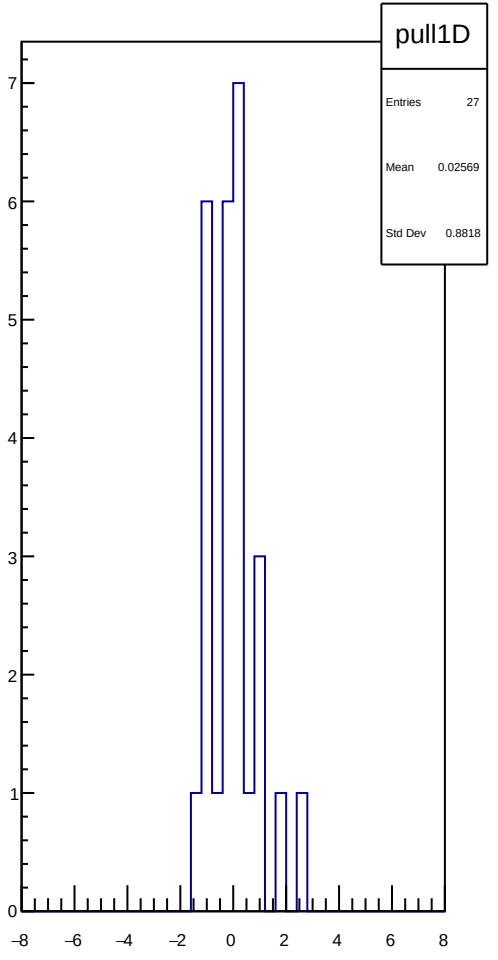

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.614e+04 / 26
p0 31.63 ± 0.0471
80
70
60
50
40
30
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

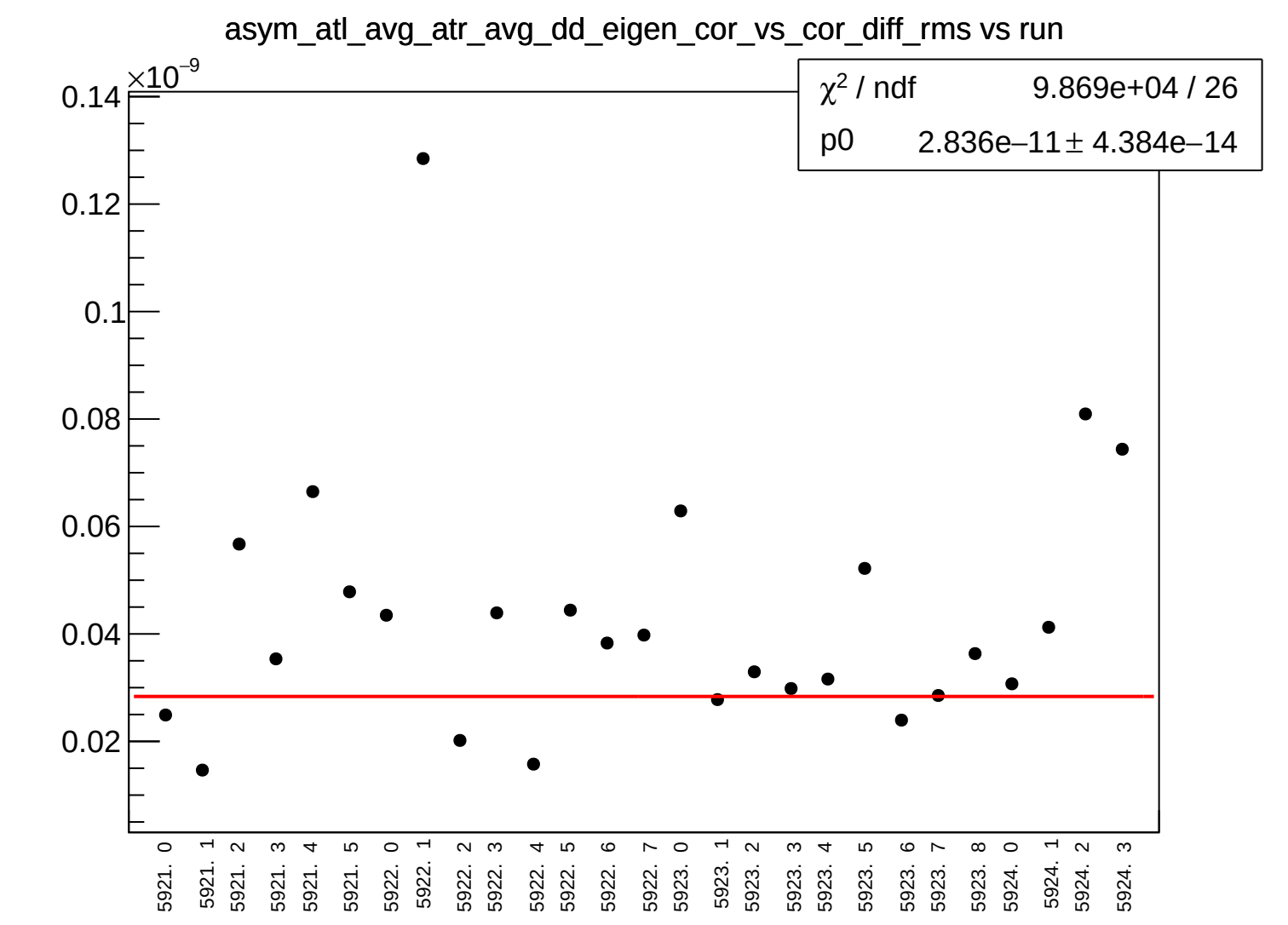

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 12.09 / 26
p0 −0.08623 ± 0.06661
1
0.5
0
−0.5
−1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 0.1414
Std Dev 8.76
1
0.5
0
−0.5
−1
−1.5

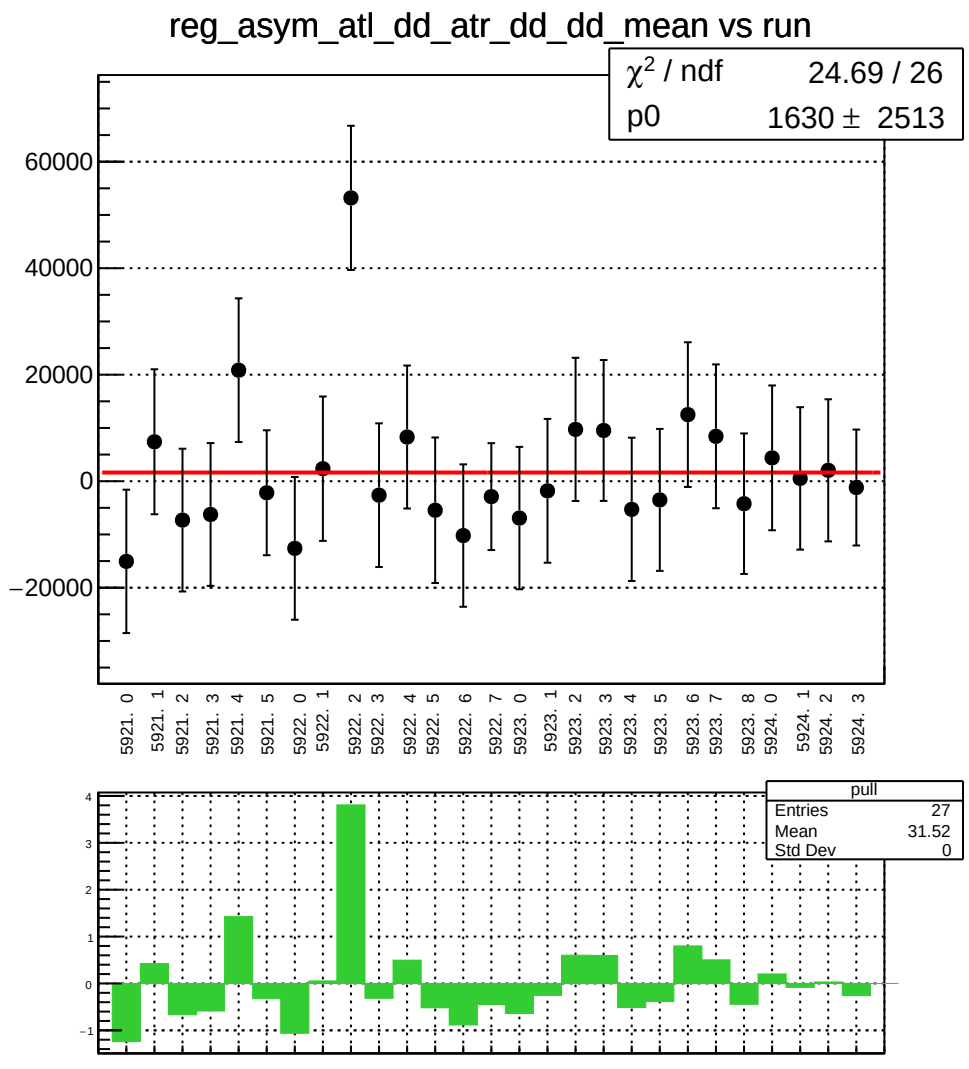

pull1D
Entries 27
Mean 0.03591
Std Dev 0.6681
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

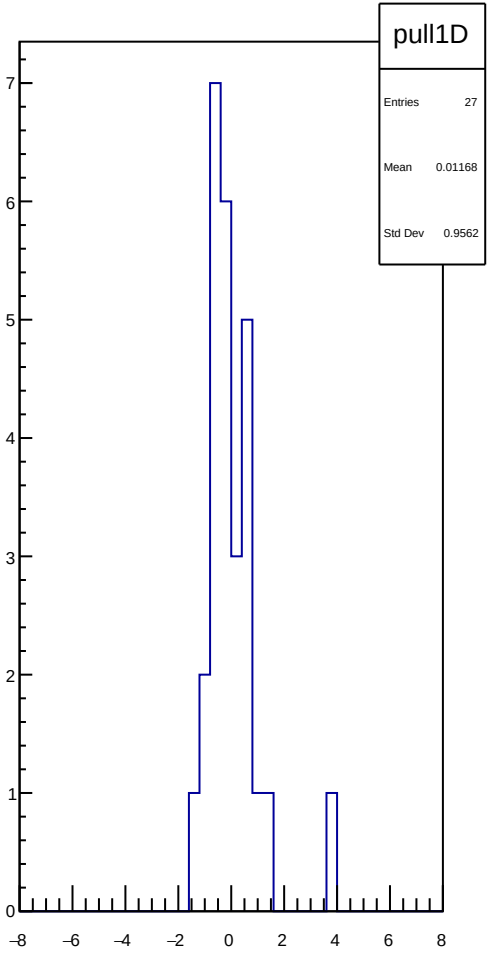

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.614e+04 / 26
p0 31.63 ± 0.0471
80
70
60
50
40
30
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

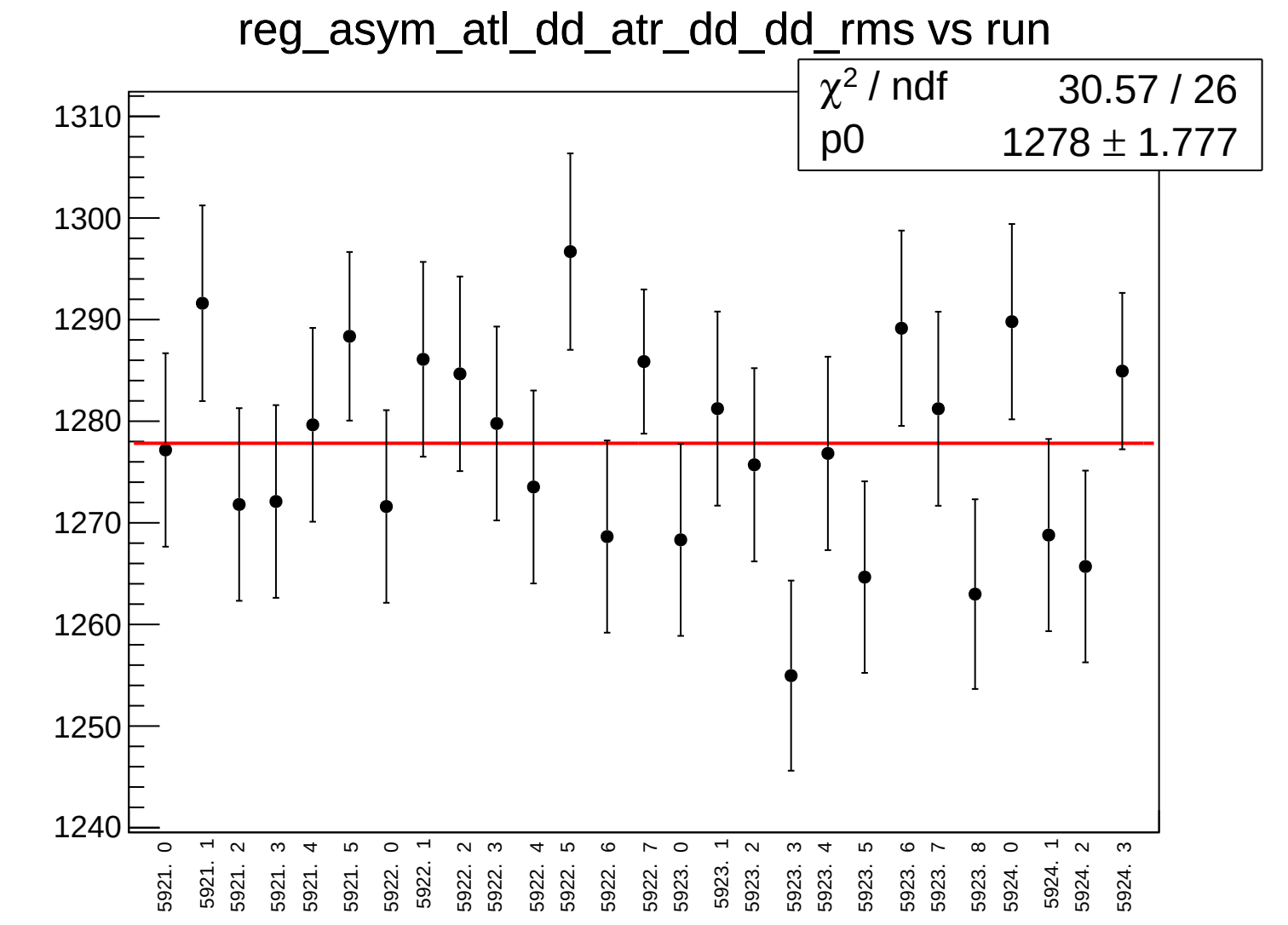

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 21.01 / 26
p0 −2.232e−14 ± 6.2e−14
2
1.5
1
0.5
0
−0.5
−1
−1.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 28.25
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1

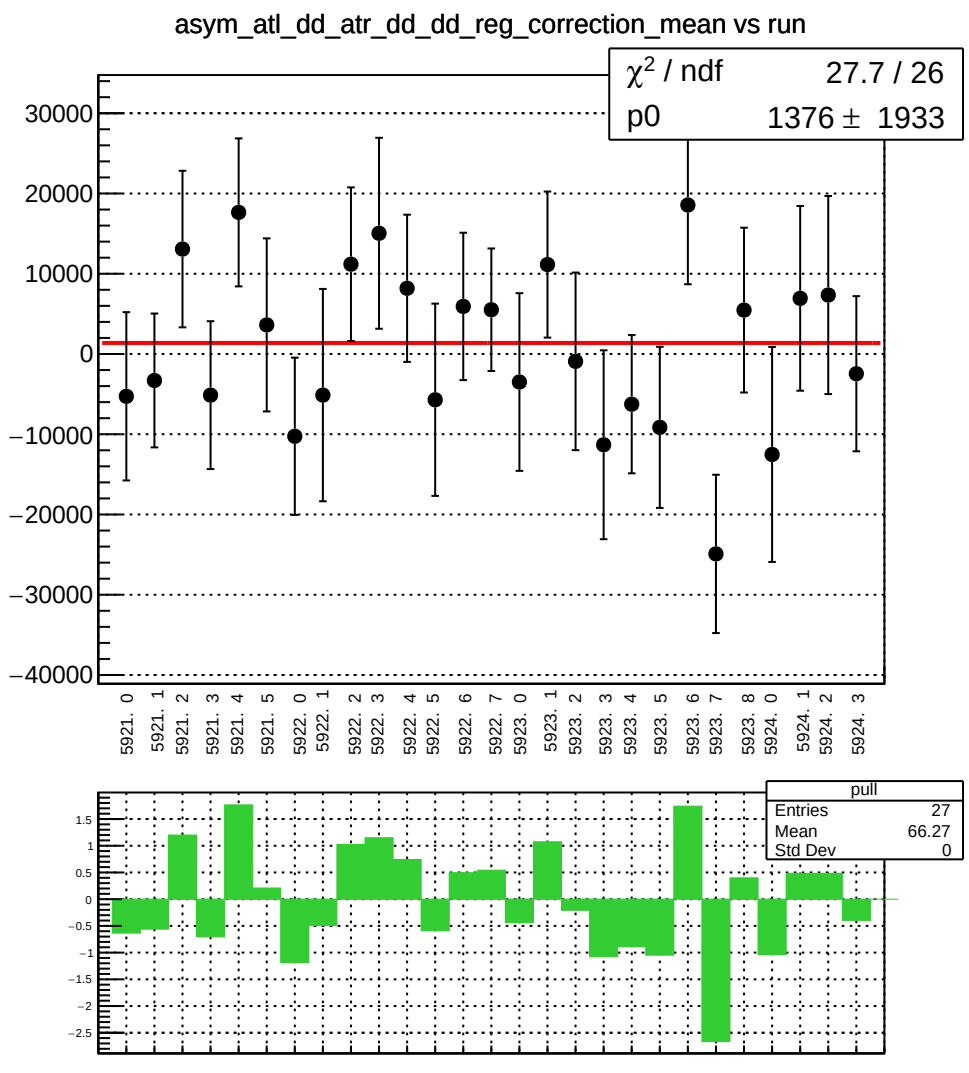

pull1D
Entries 27
Mean 0.02569
Std Dev 0.8818
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

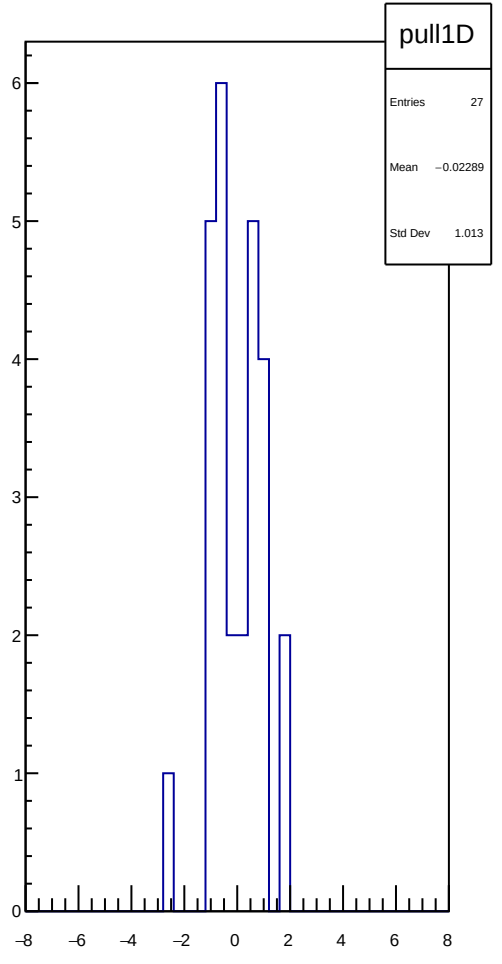

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 9.869e+04 / 26
p0 2.836e−11 ± 4.384e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

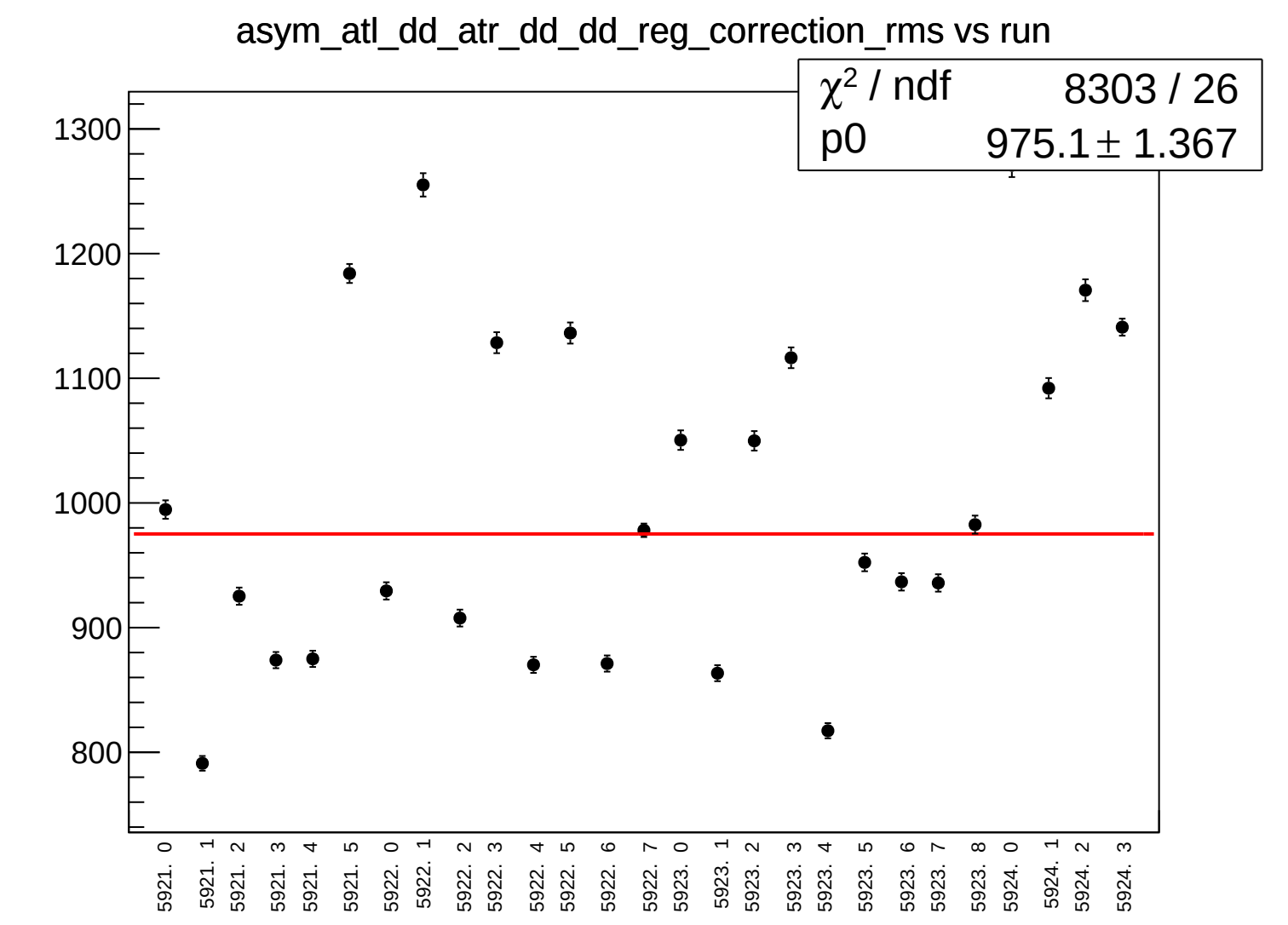

reg_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 24.69 / 26
p0 1630 ± 2513
60000
40000
20000
0
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 31.52
Std Dev 0
4
3
2
1
0
−1

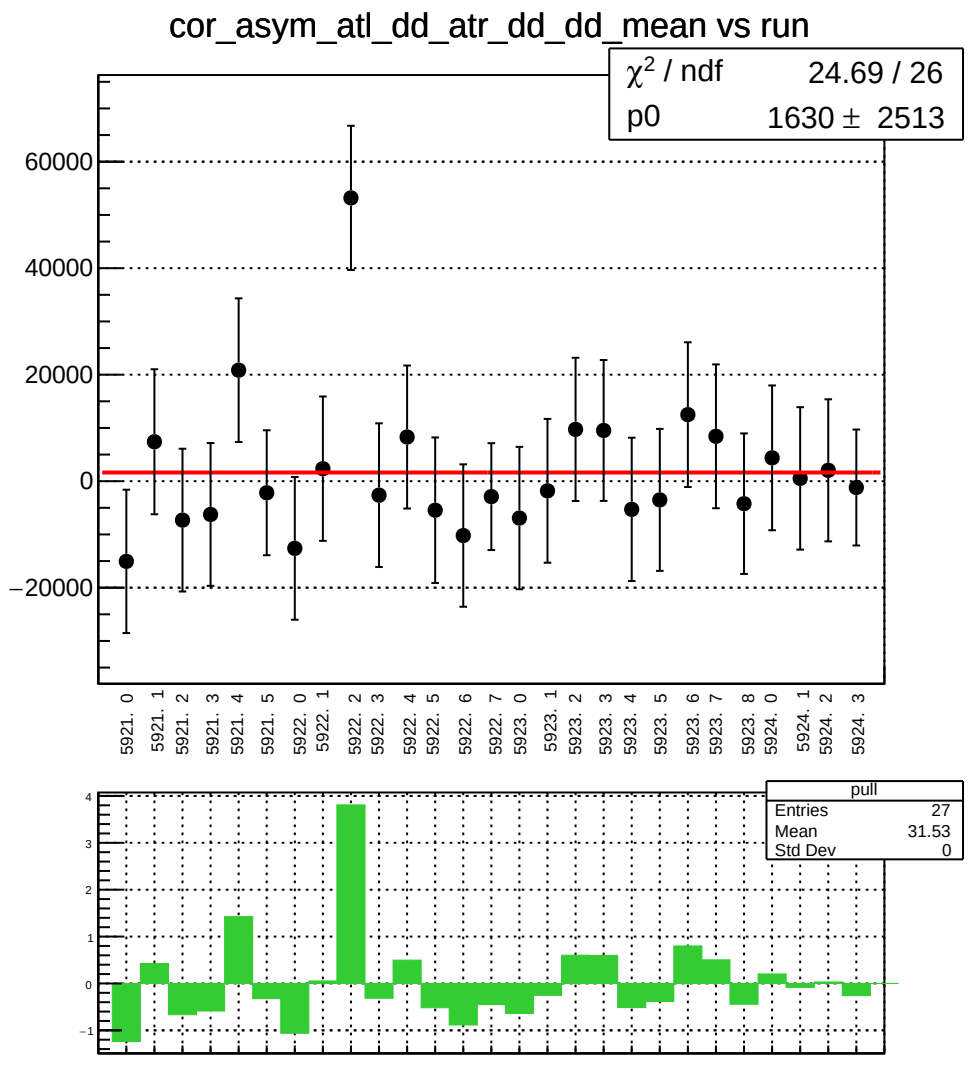

pull1D
Entries 27
Mean 0.01168
Std Dev 0.9562
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

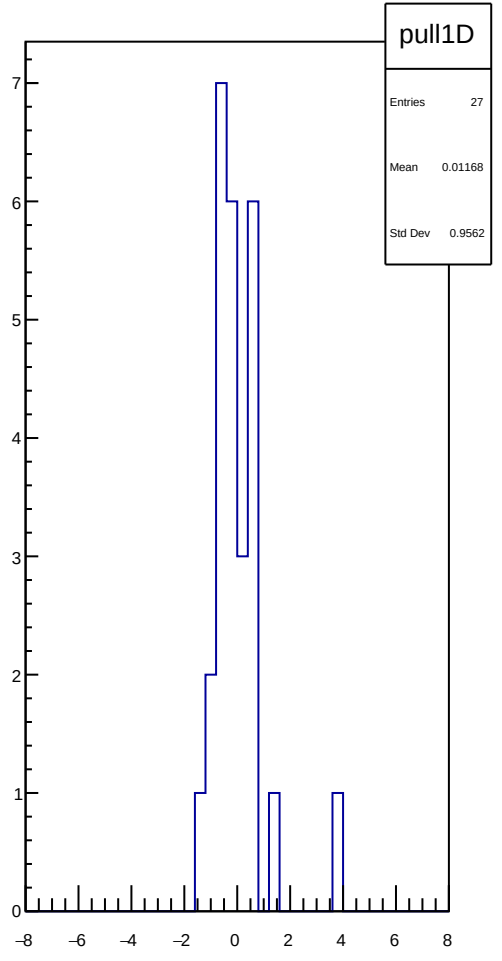

reg_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 30.57 / 26
p0 1278 ± 1.777
1310
1300
1290
1280
1270
1260
1250
1240
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

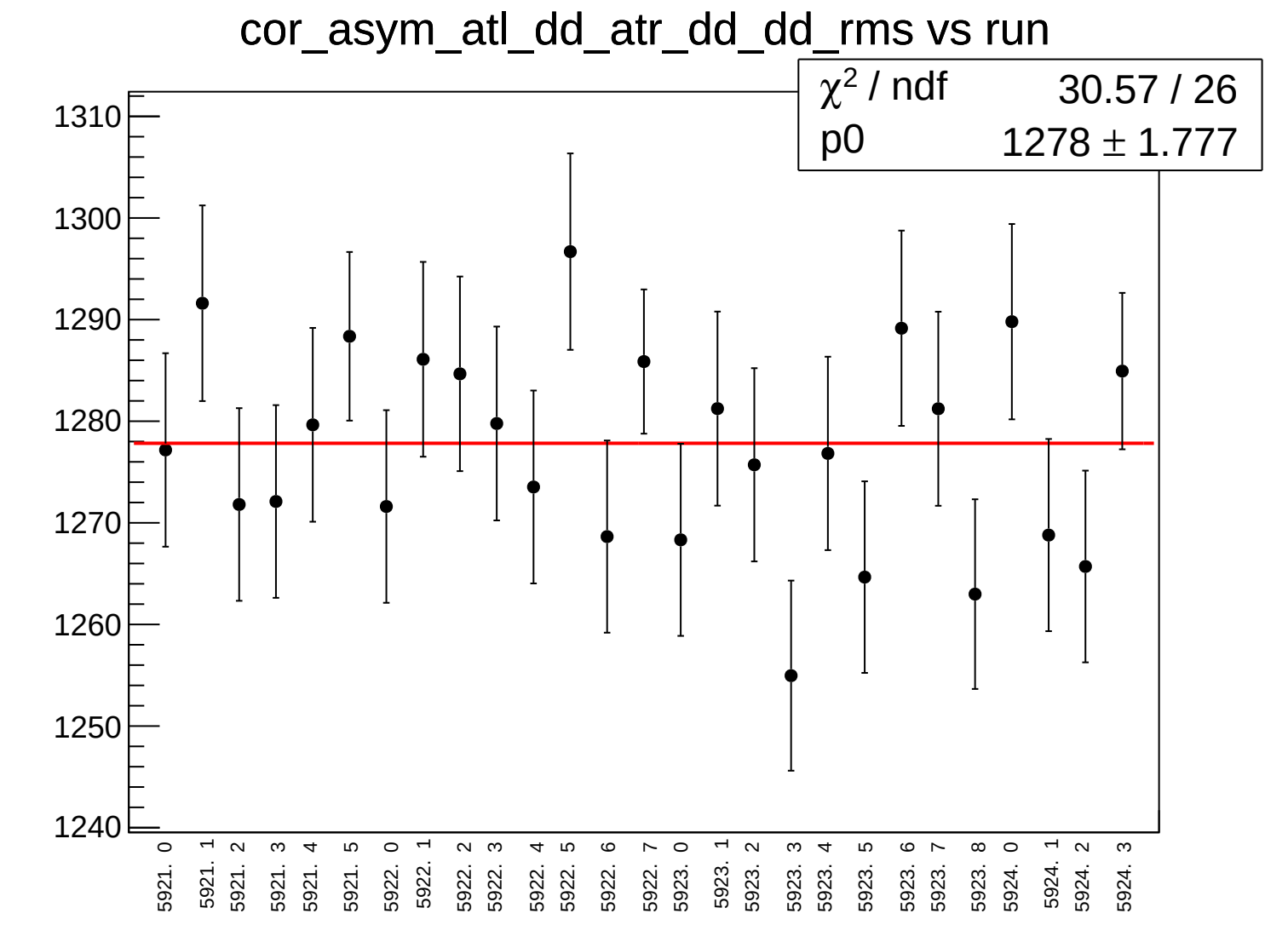

asym_atl_dd_atr_dd_dd_reg_correction_mean vs run
χ² / ndf 27.7 / 26
p0 1376 ± 1933
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 66.27
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

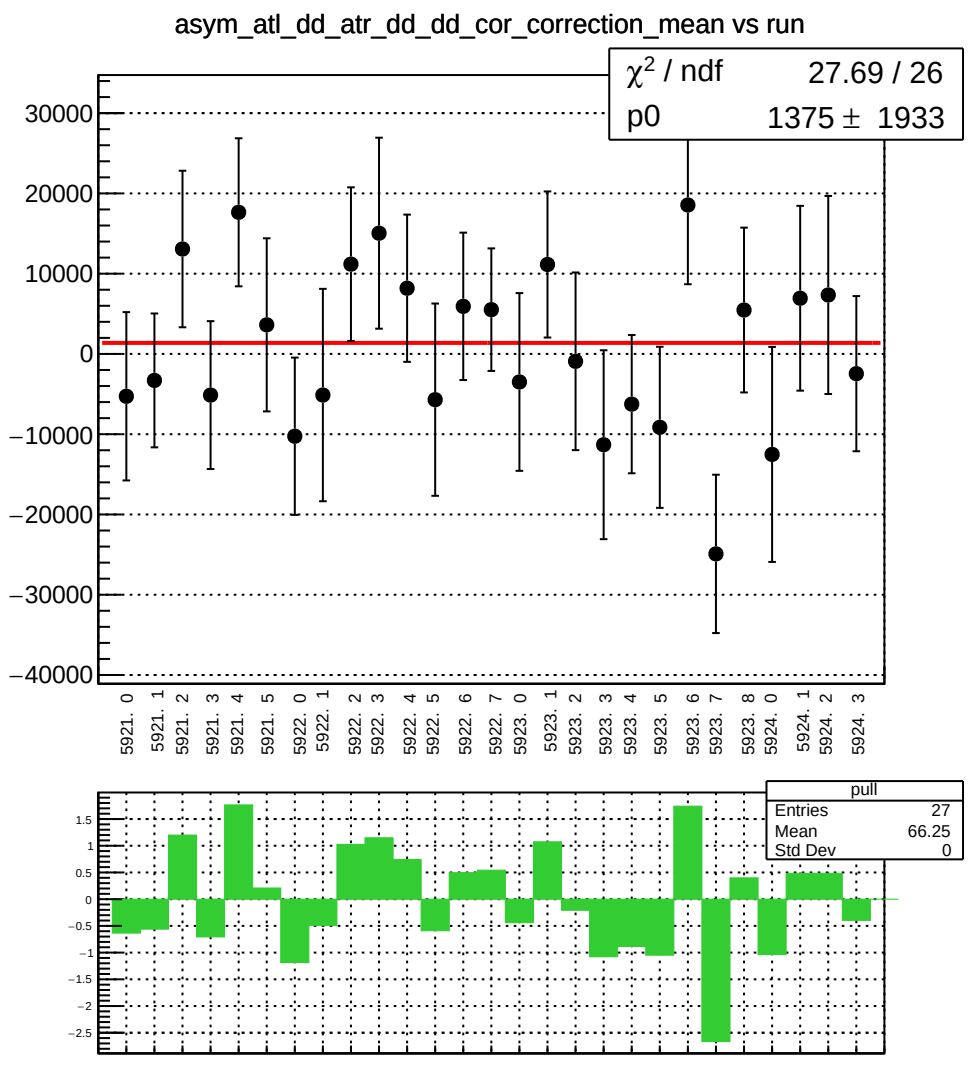

pull1D
Entries 27
Mean −0.02289
Std Dev 1.013
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

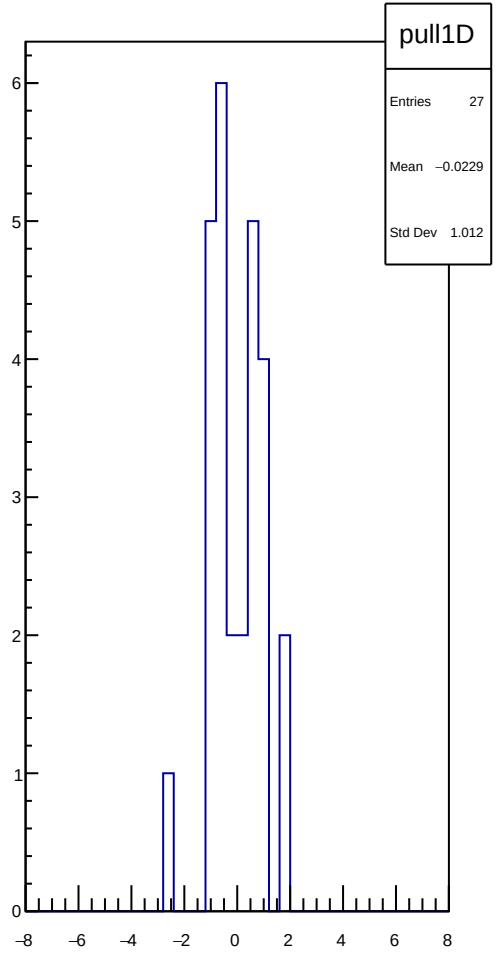

asym_atl_dd_atr_dd_dd_reg_correction_rms vs run
χ² / ndf 8303 / 26
p0 975.1 ± 1.367
1300
1200
1100
1000
900
800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

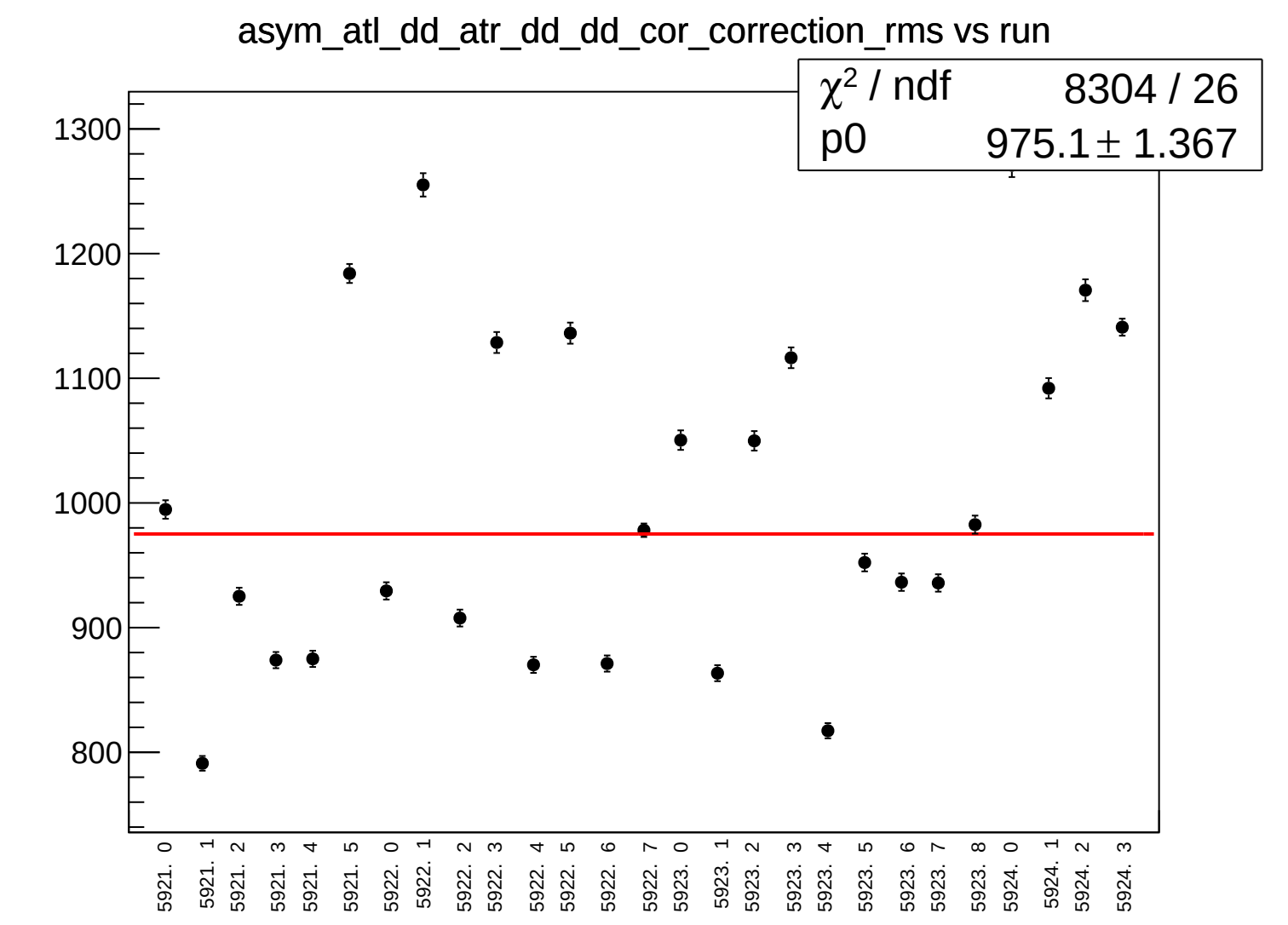

cor_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 24.69 / 26
p0 1630 ± 2513
60000
40000
20000
0
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 31.53
Std Dev 0
4
3
2
1
0
−1

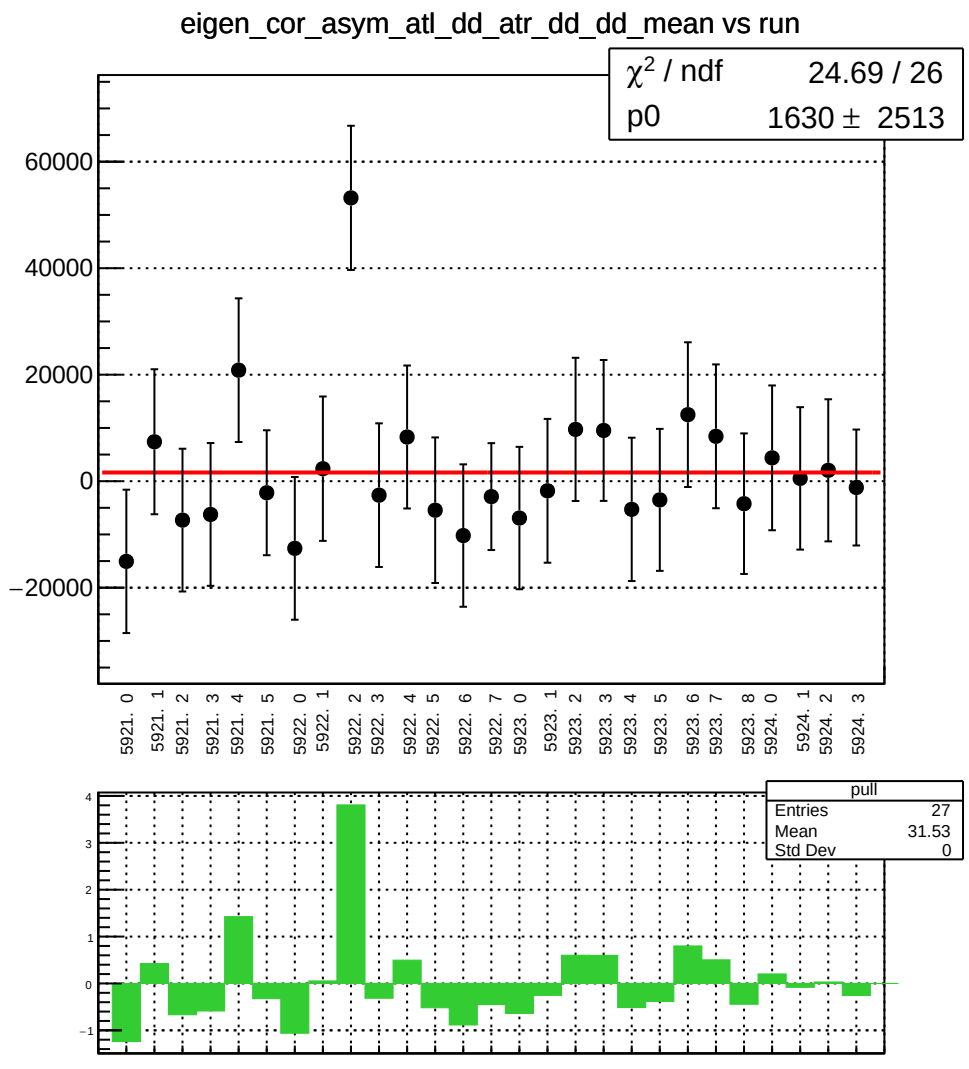

pull1D
Entries 27
Mean 0.01168
Std Dev 0.9562
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

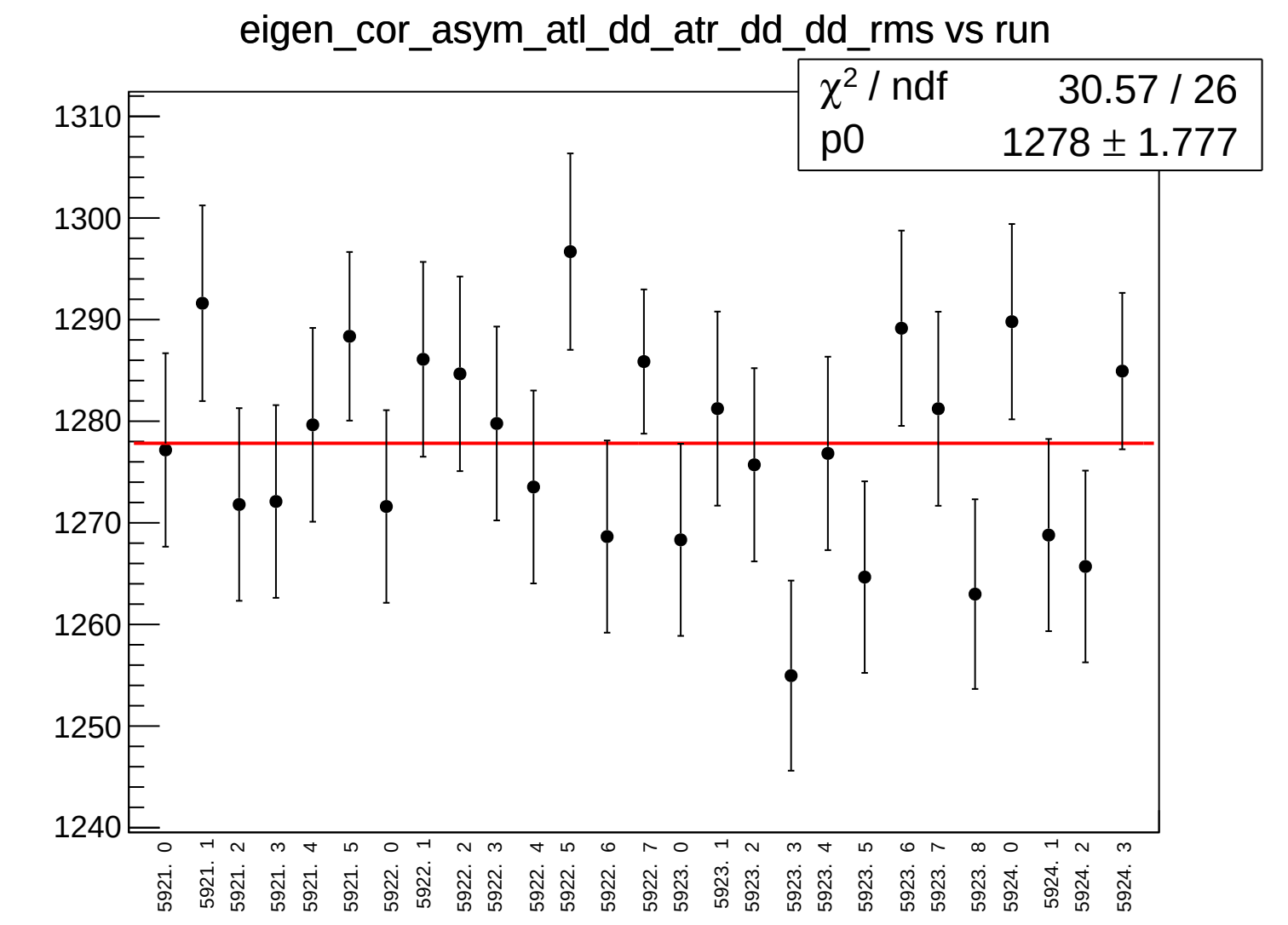

cor_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 30.57 / 26
p0 1278 ± 1.777
1310
1300
1290
1280
1270
1260
1250
1240
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

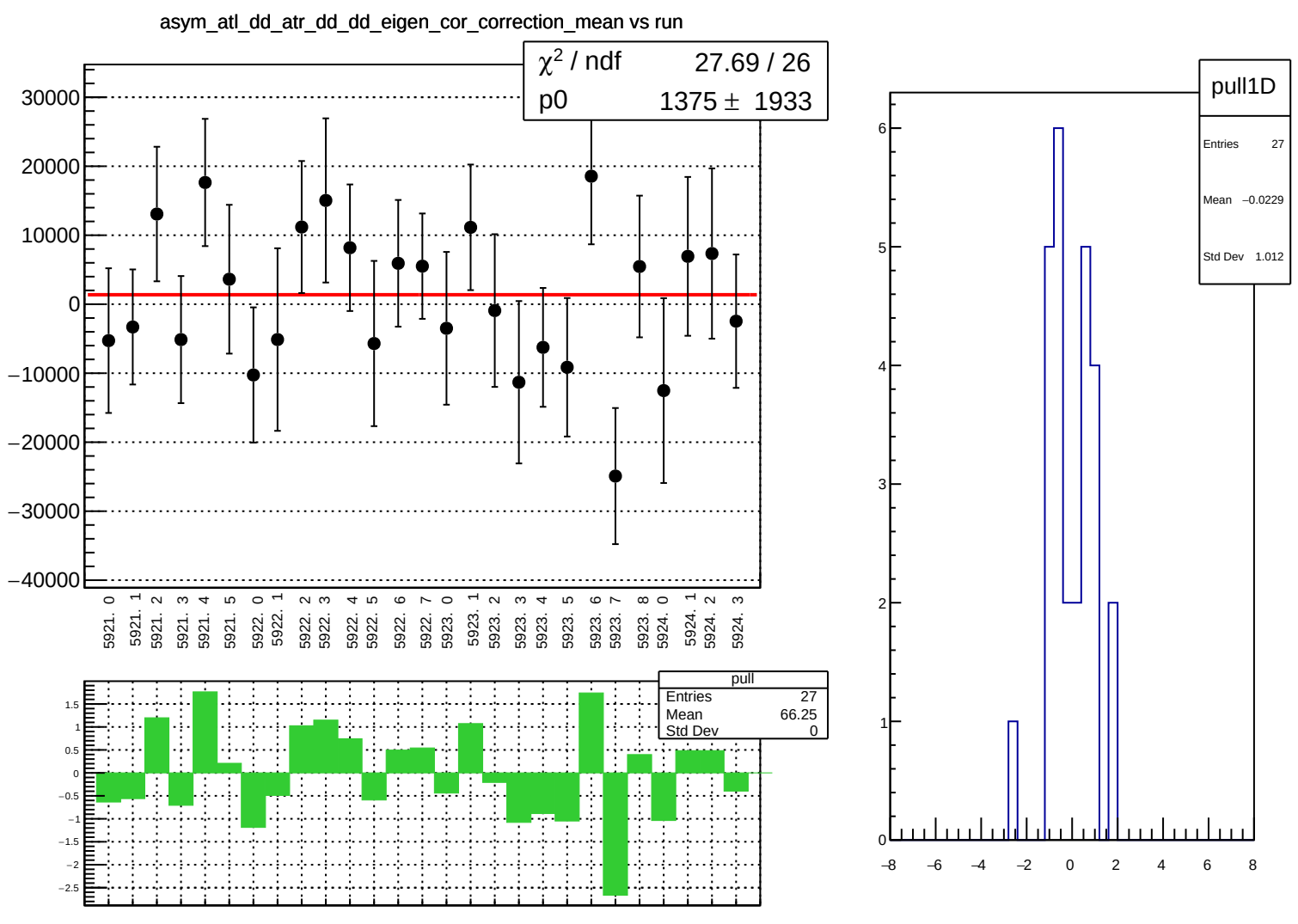

asym_atl_dd_atr_dd_dd_cor_correction_mean vs run
χ² / ndf 27.69 / 26
p0 1375 ± 1933
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 66.25
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

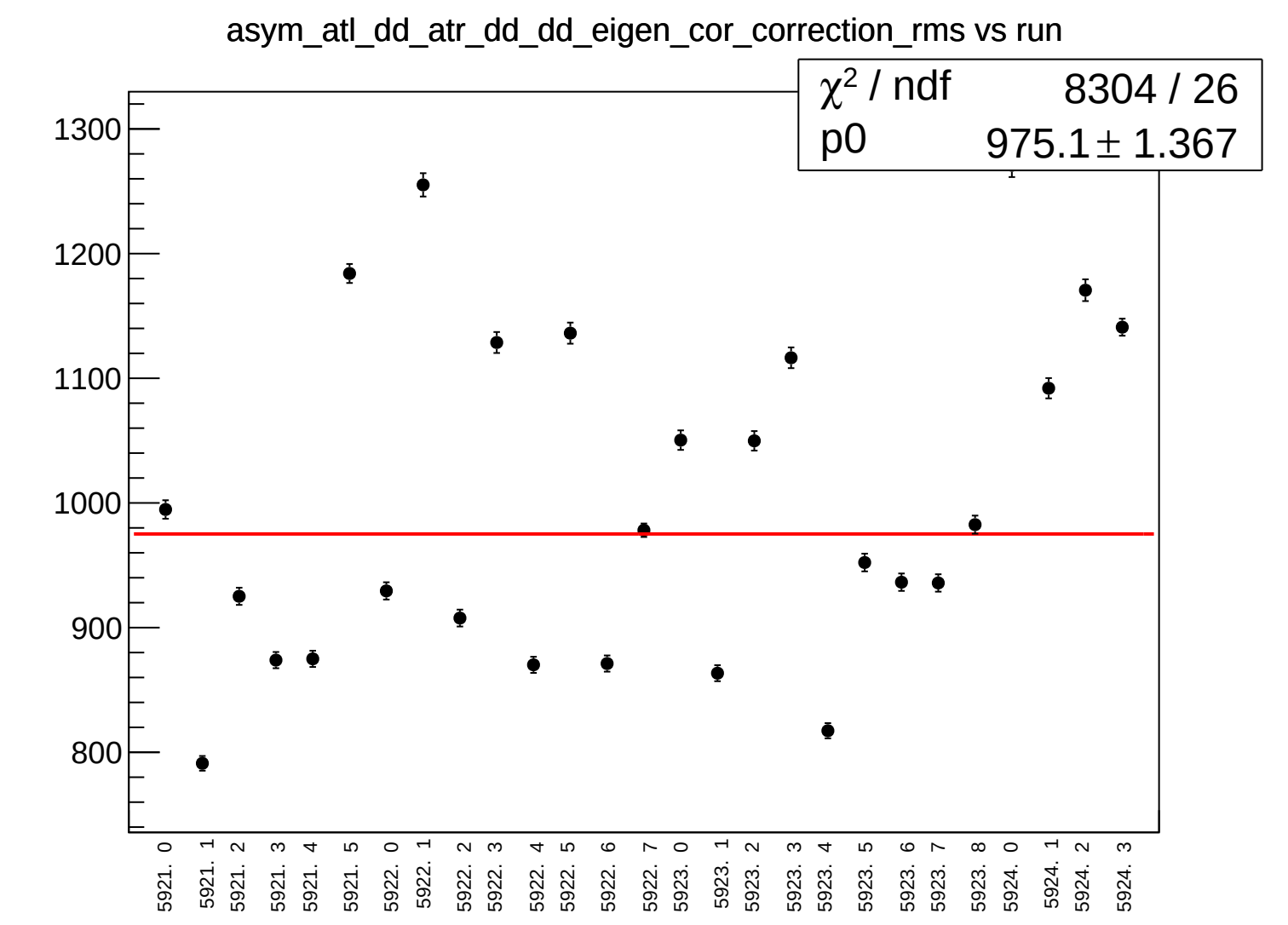

pull1D
Entries 27
Mean −0.0229
Std Dev 1.012
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

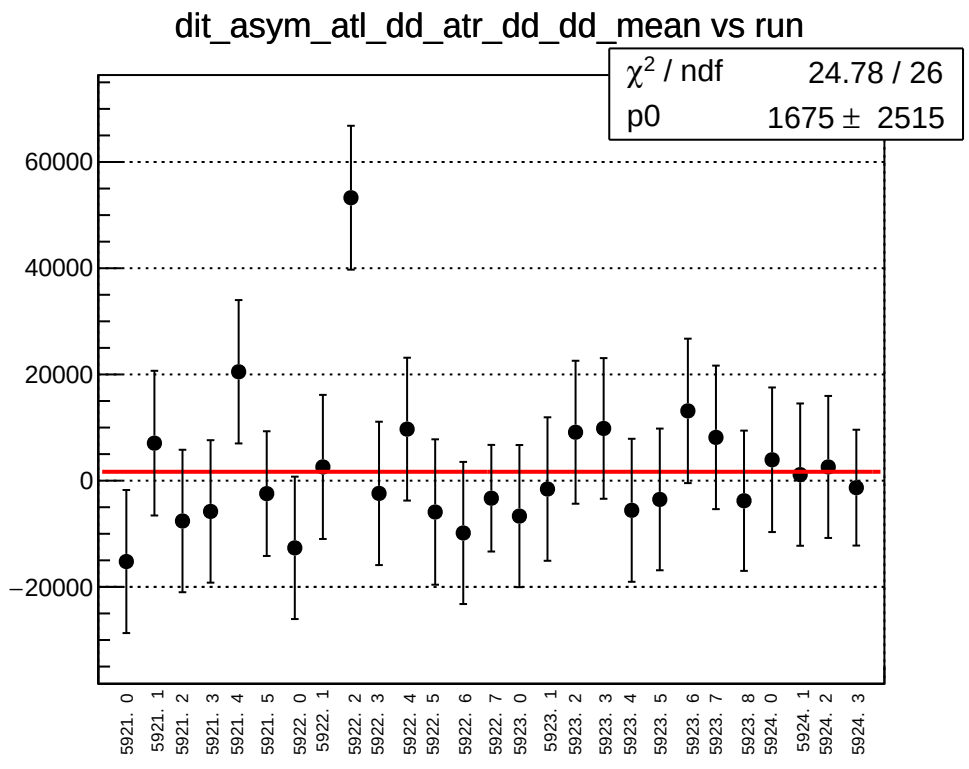

asym_atl_dd_atr_dd_dd_cor_correction_rms vs run
χ² / ndf 8304 / 26
p0 975.1 ± 1.367
1300
1200
1100
1000
900
800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

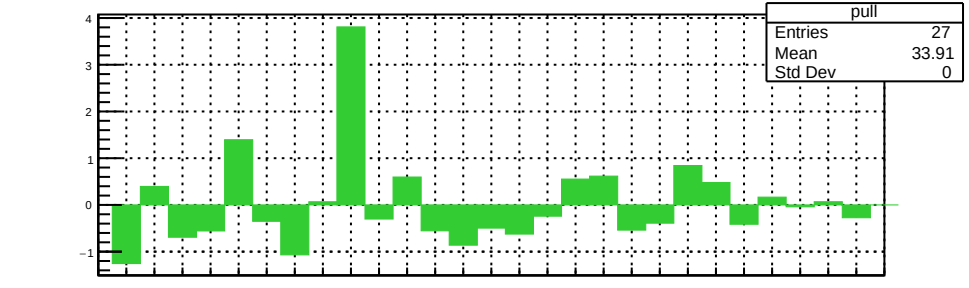

eigen_cor_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 24.69 / 26
p0 1630 ± 2513
60000
40000
20000
0
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 31.53
Std Dev 0
4
3
2
1
0
−1
pull1D
Entries 27
Mean 0.01168
Std Dev 0.9562
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

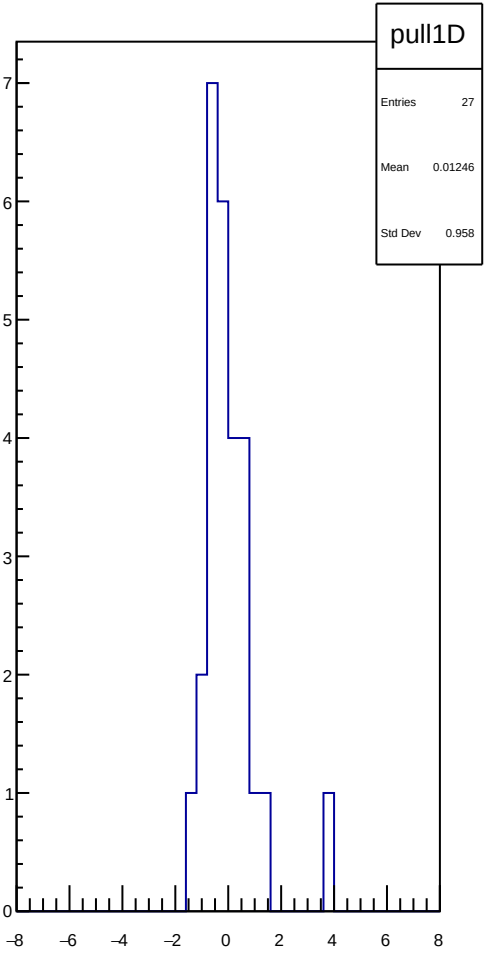

eigen_cor_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 30.57 / 26
p0 1278 ± 1.777
1310
1300
1290
1280
1270
1260
1250
1240
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

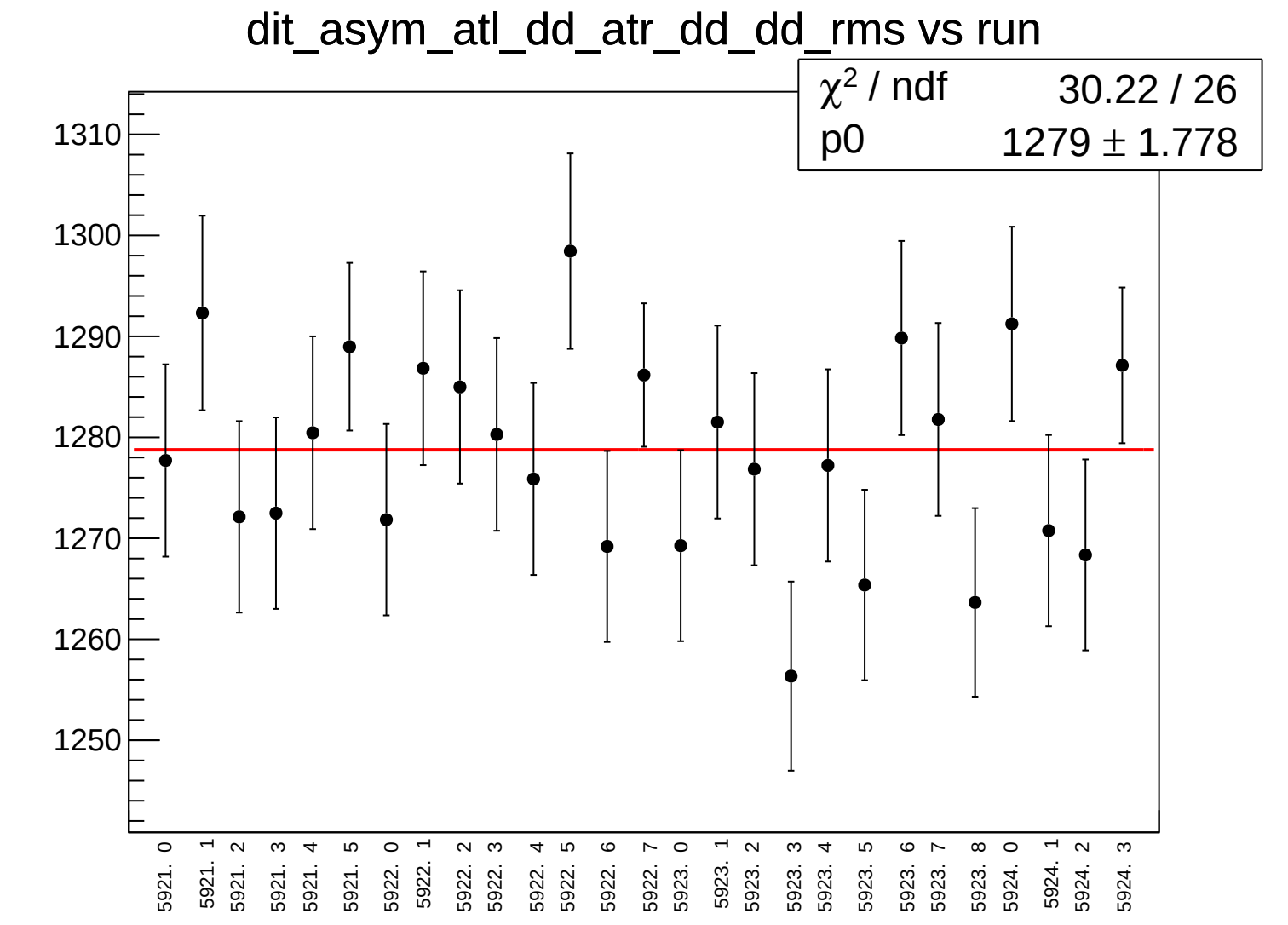

asym_atl_dd_atr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 27.69 / 26
p0 1375 ± 1933
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 66.25
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean −0.0229
Std Dev 1.012
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

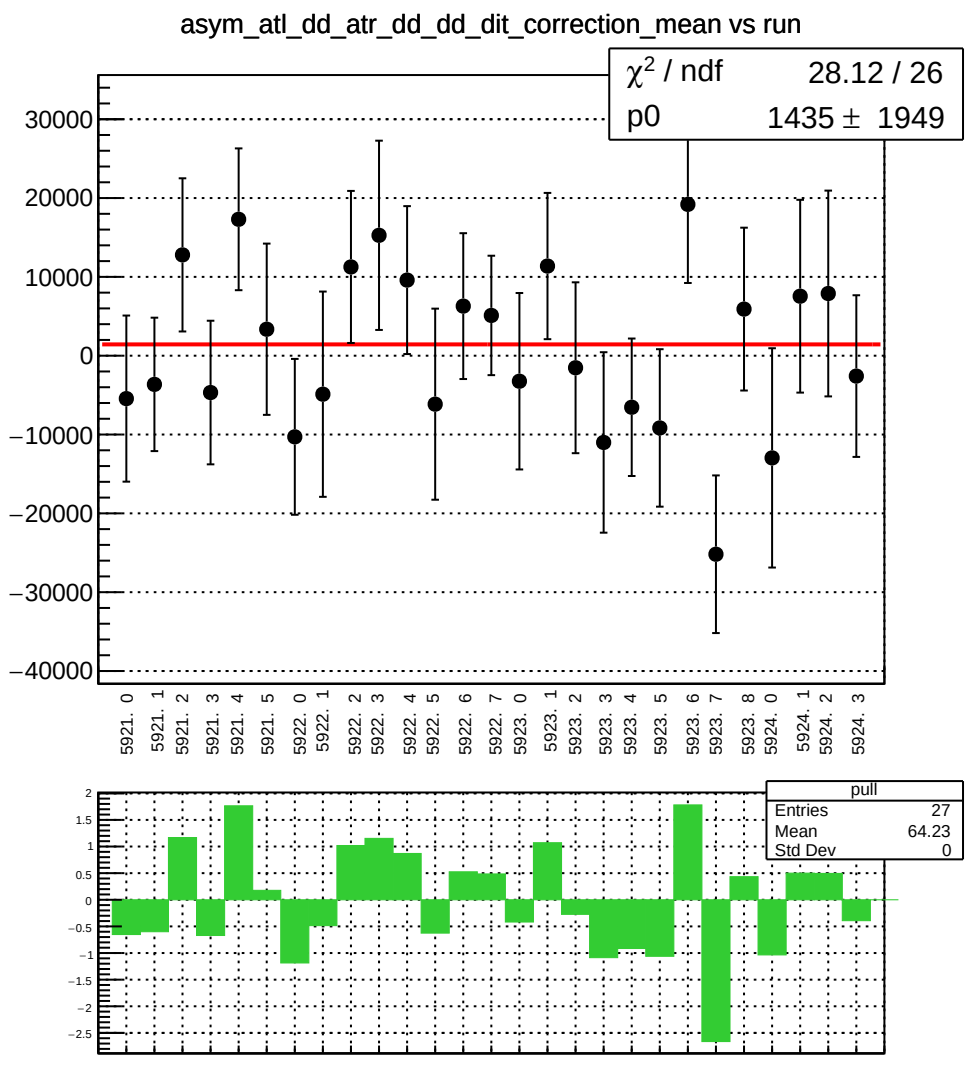

asym_atl_dd_atr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 8304 / 26
p0 975.1 ± 1.367
1300
1200
1100
1000
900
800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

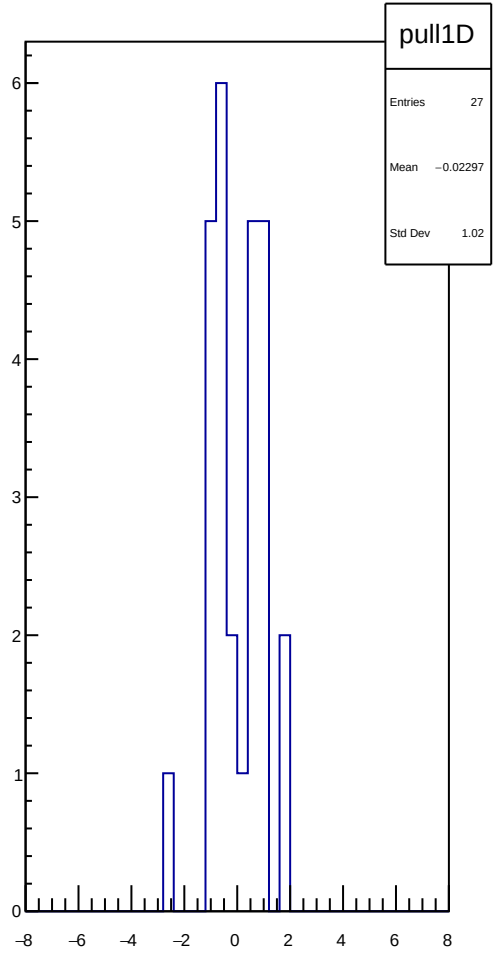

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 24.78 / 26
p0 1675 ± 2515
60000
40000
20000
0
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

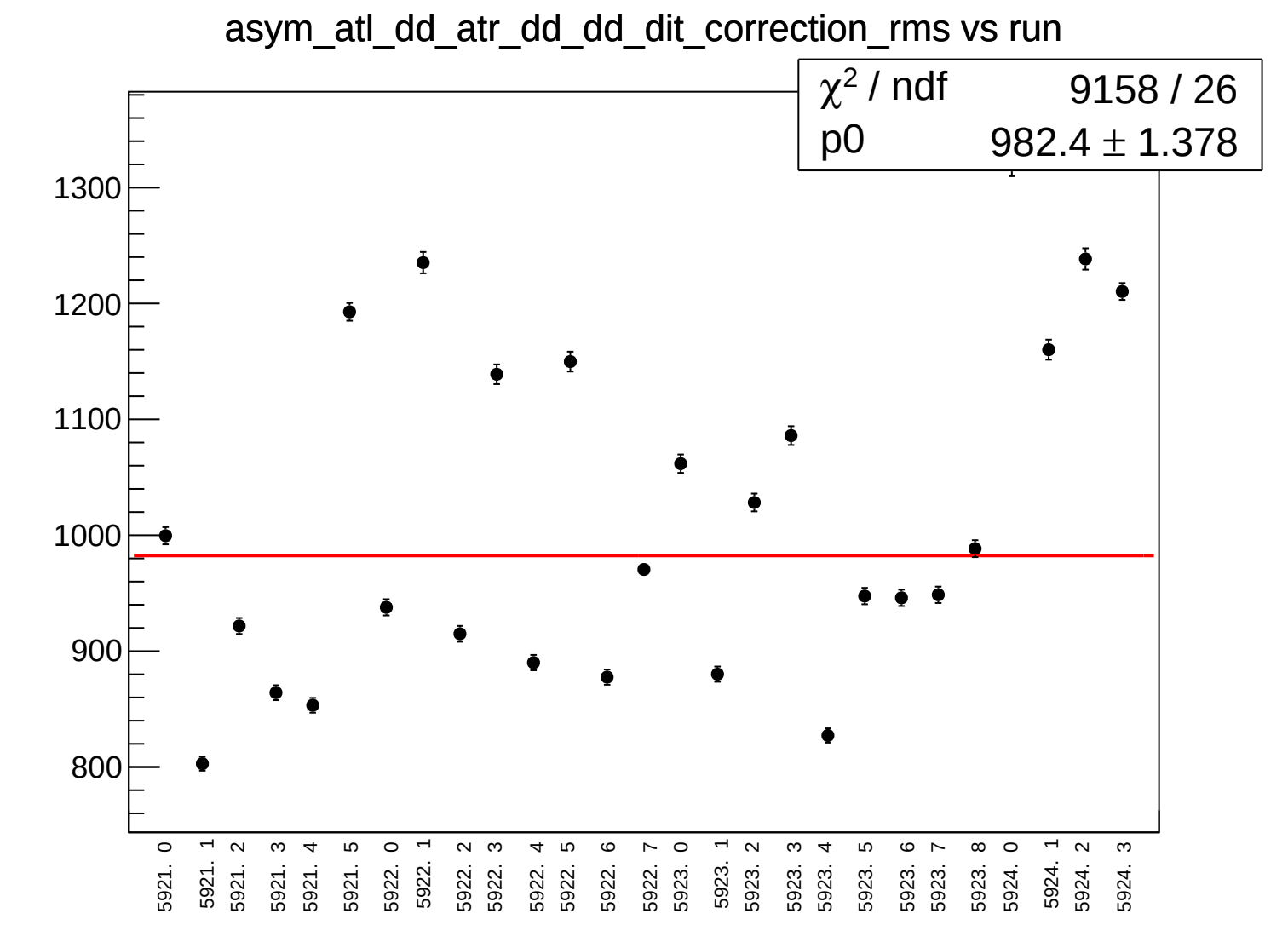

pull
Entries 27
Mean 33.91
Std Dev 0
4
3
2
1
0
−1

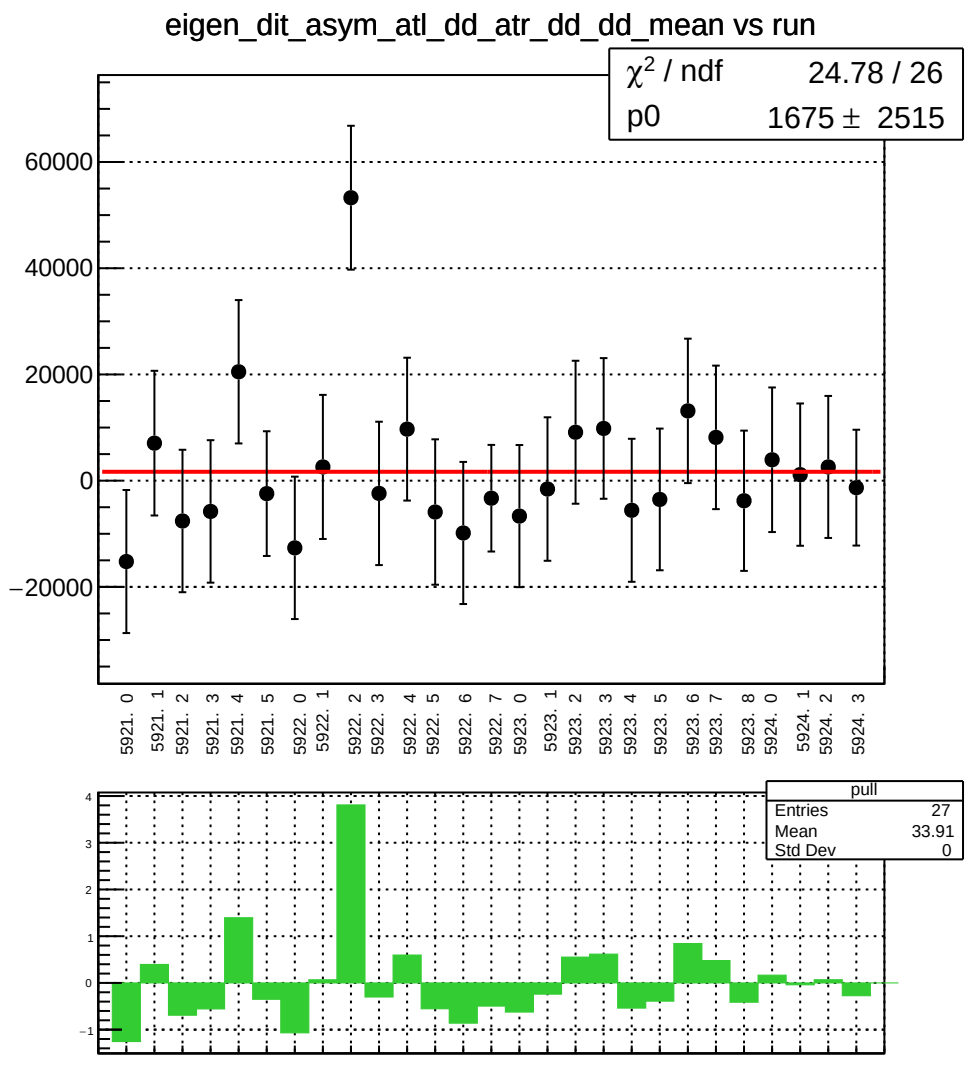

pull1D
Entries 27
Mean 0.01246
Std Dev 0.958
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

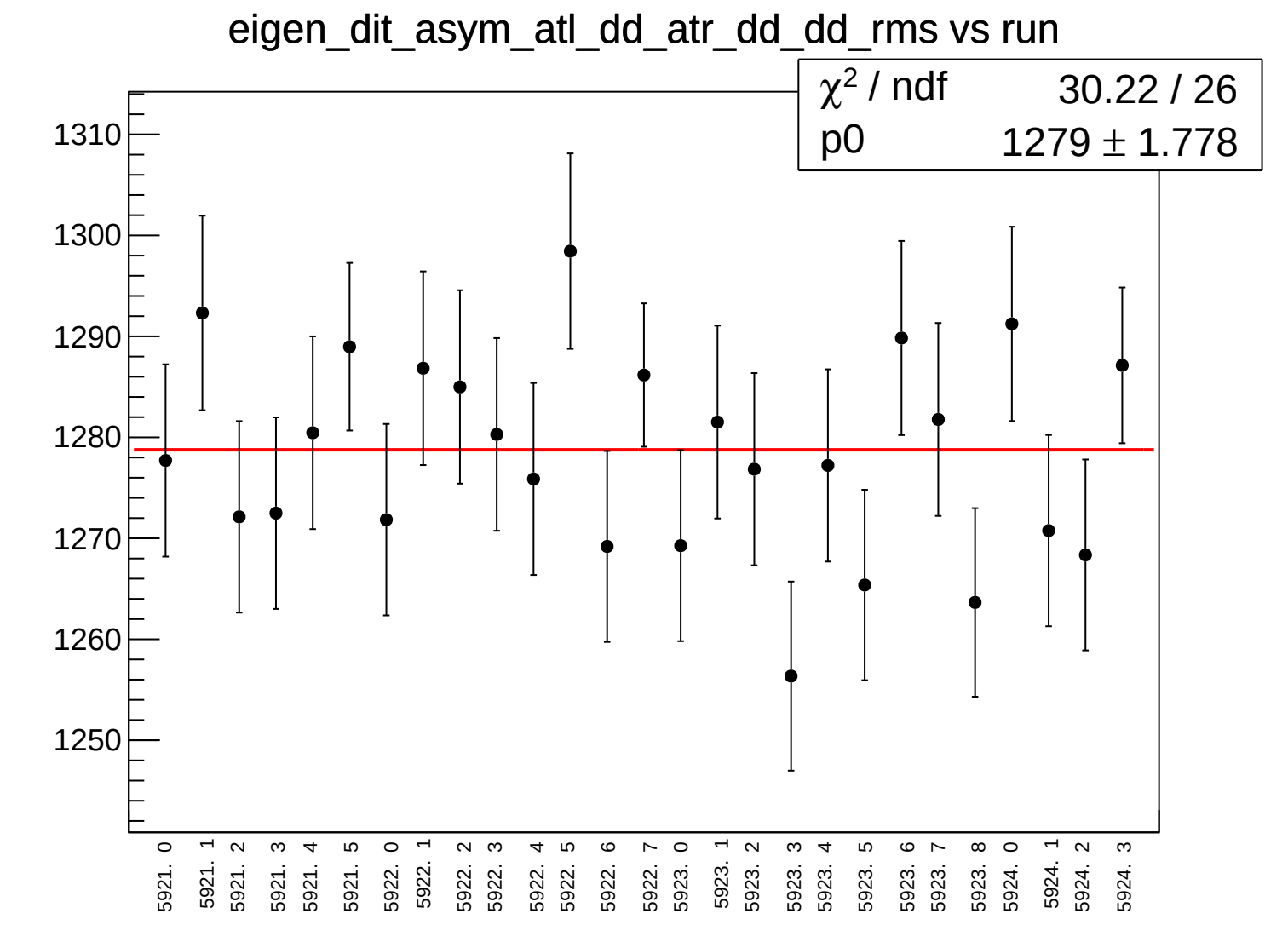

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 30.22 / 26
p0 1279 ± 1.778
1310
1300
1290
1280
1270
1260
1250
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

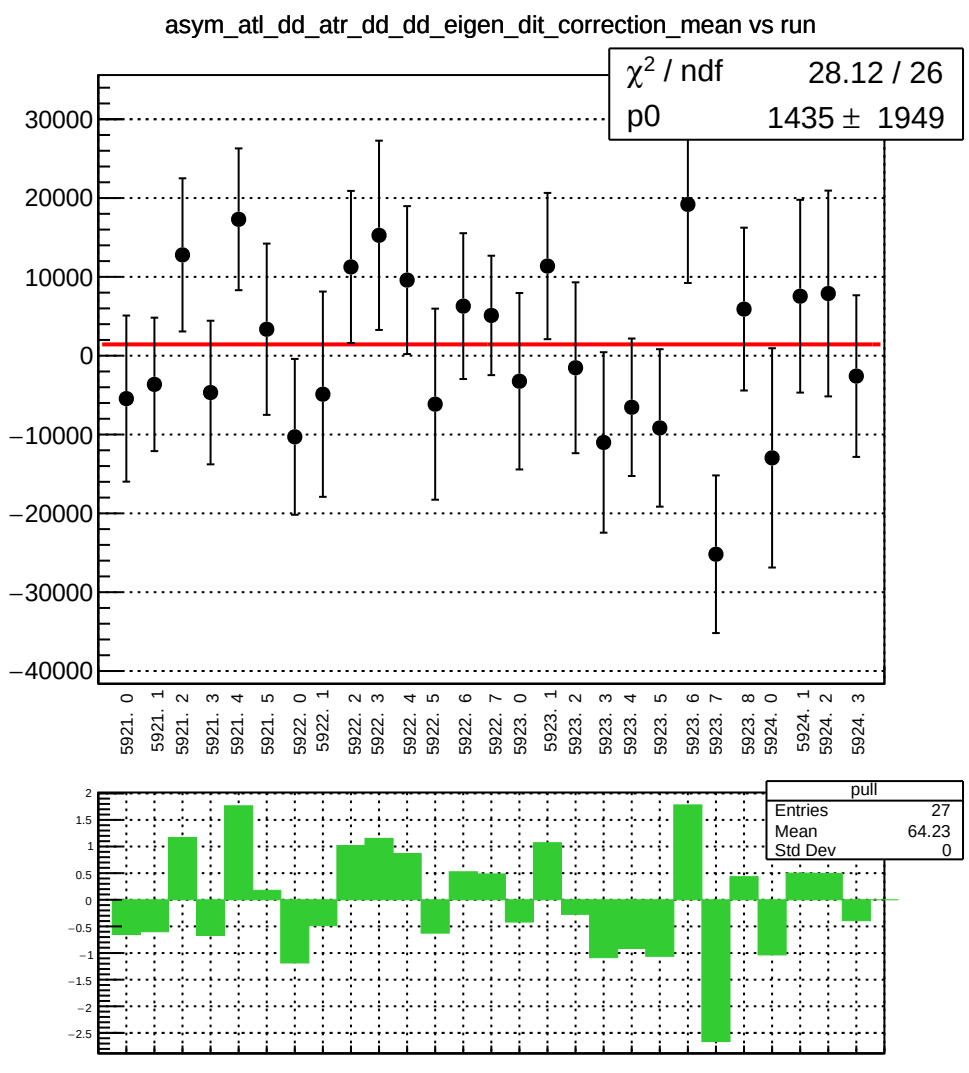

asym_atl_dd_atr_dd_dd_dit_correction_mean vs run
χ² / ndf 28.12 / 26
p0 1435 ± 1949
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 64.23
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

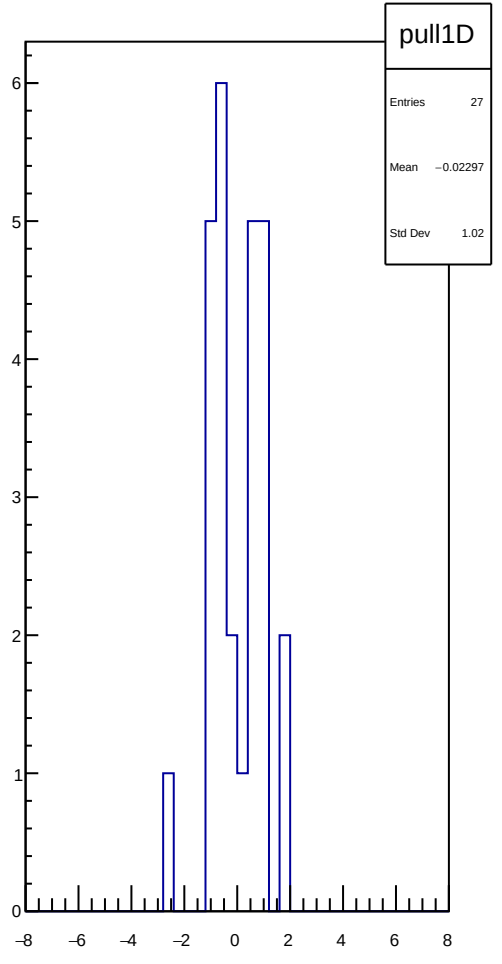

pull1D
Entries 27
Mean −0.02297
Std Dev 1.02
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

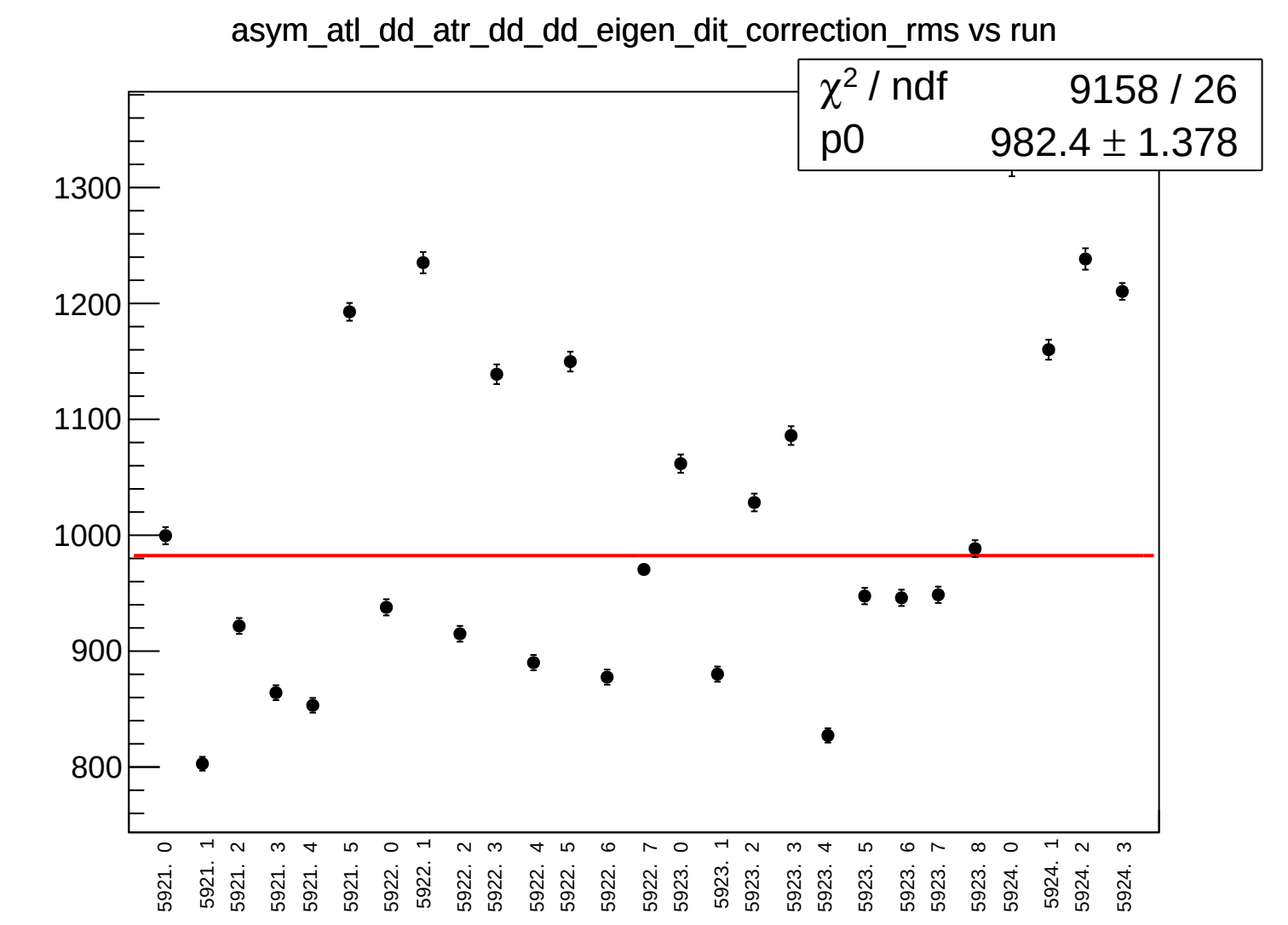

asym_atl_dd_atr_dd_dd_dit_correction_rms vs run
χ² / ndf 9158 / 26
p0 982.4 ± 1.378
1300
1200
1100
1000
900
800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

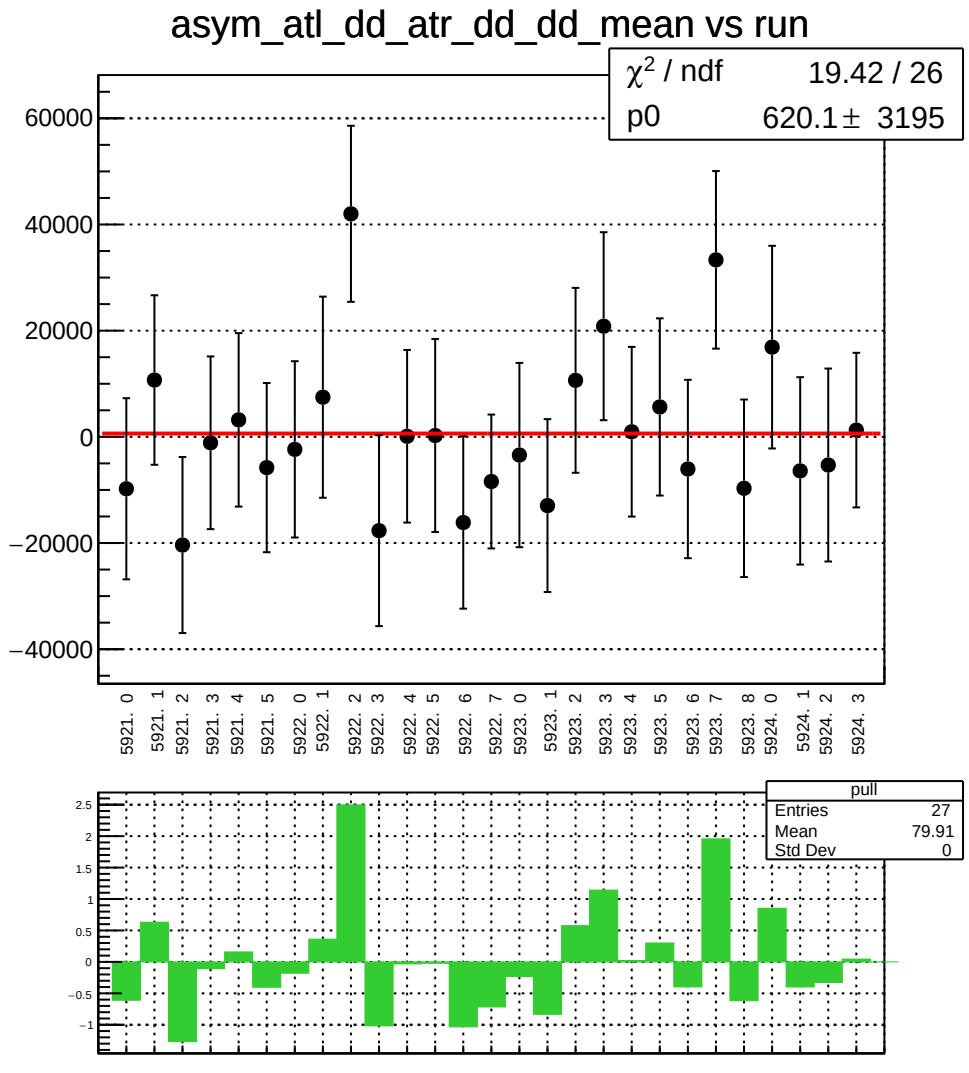

eigen_dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 24.78 / 26
p0 1675 ± 2515
60000
40000
20000
0
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 33.91
Std Dev 0
4
3
2
1
0
−1
pull1D
Entries 27
Mean 0.01246
Std Dev 0.958
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

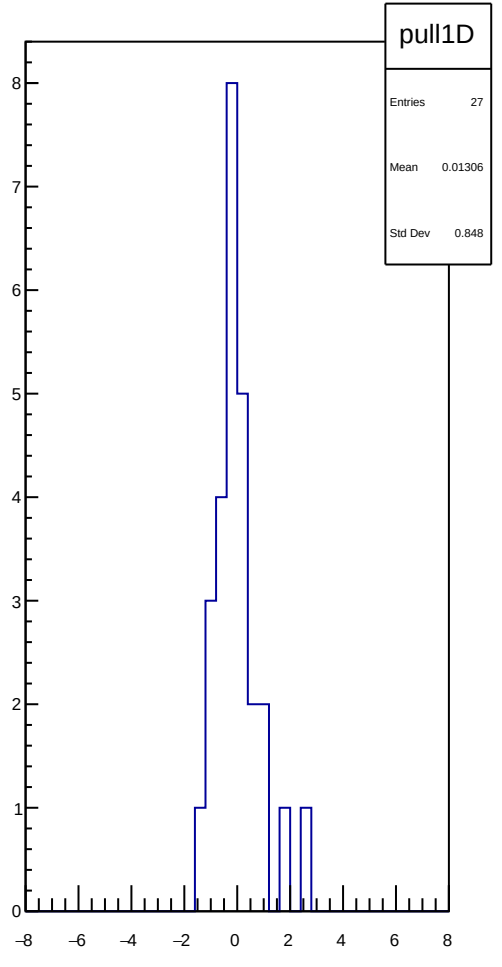

eigen_dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 30.22 / 26
p0 1279 ± 1.778
1310
1300
1290
1280
1270
1260
1250
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

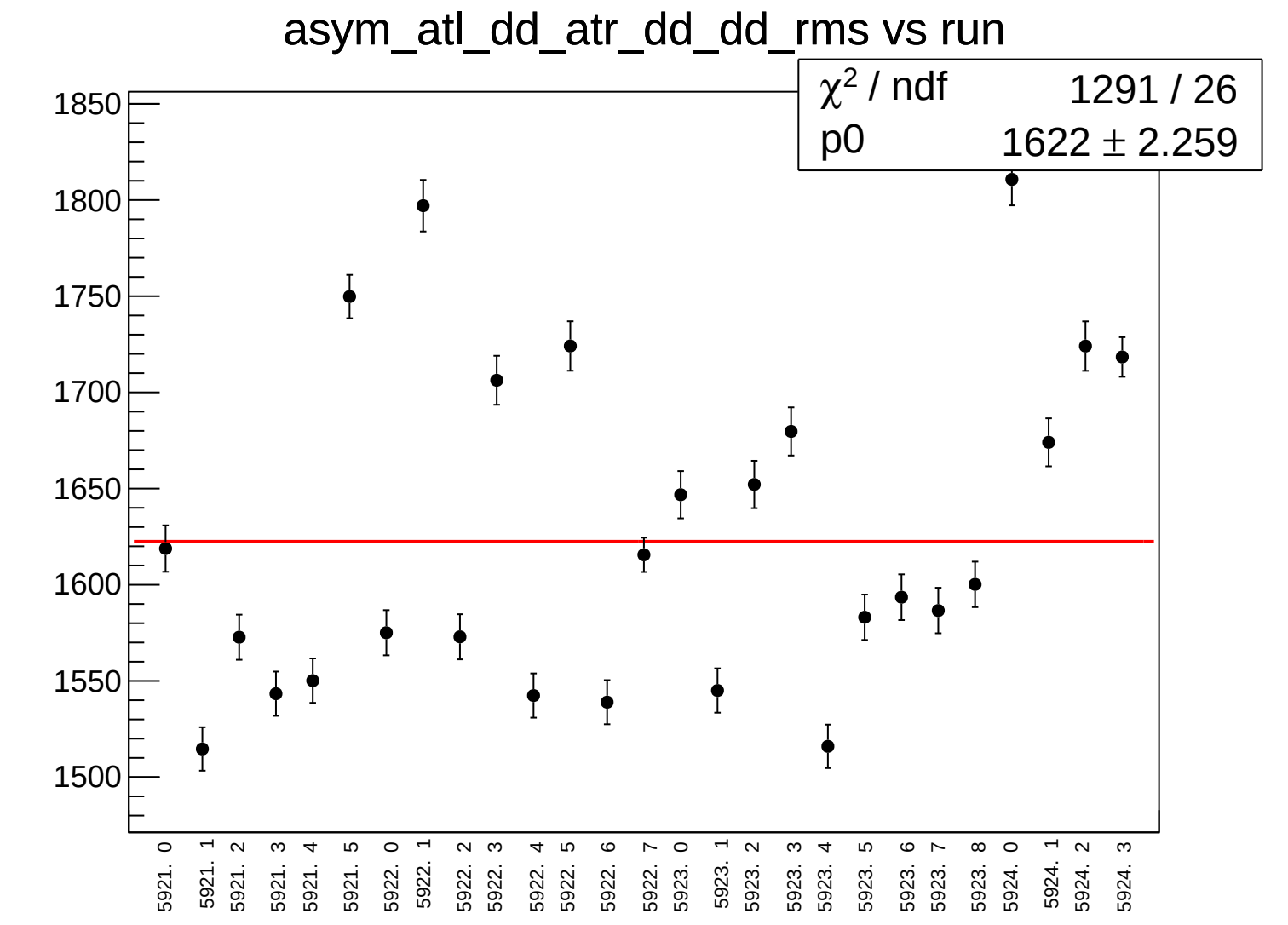

asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 28.12 / 26
p0 1435 ± 1949
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 64.23
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

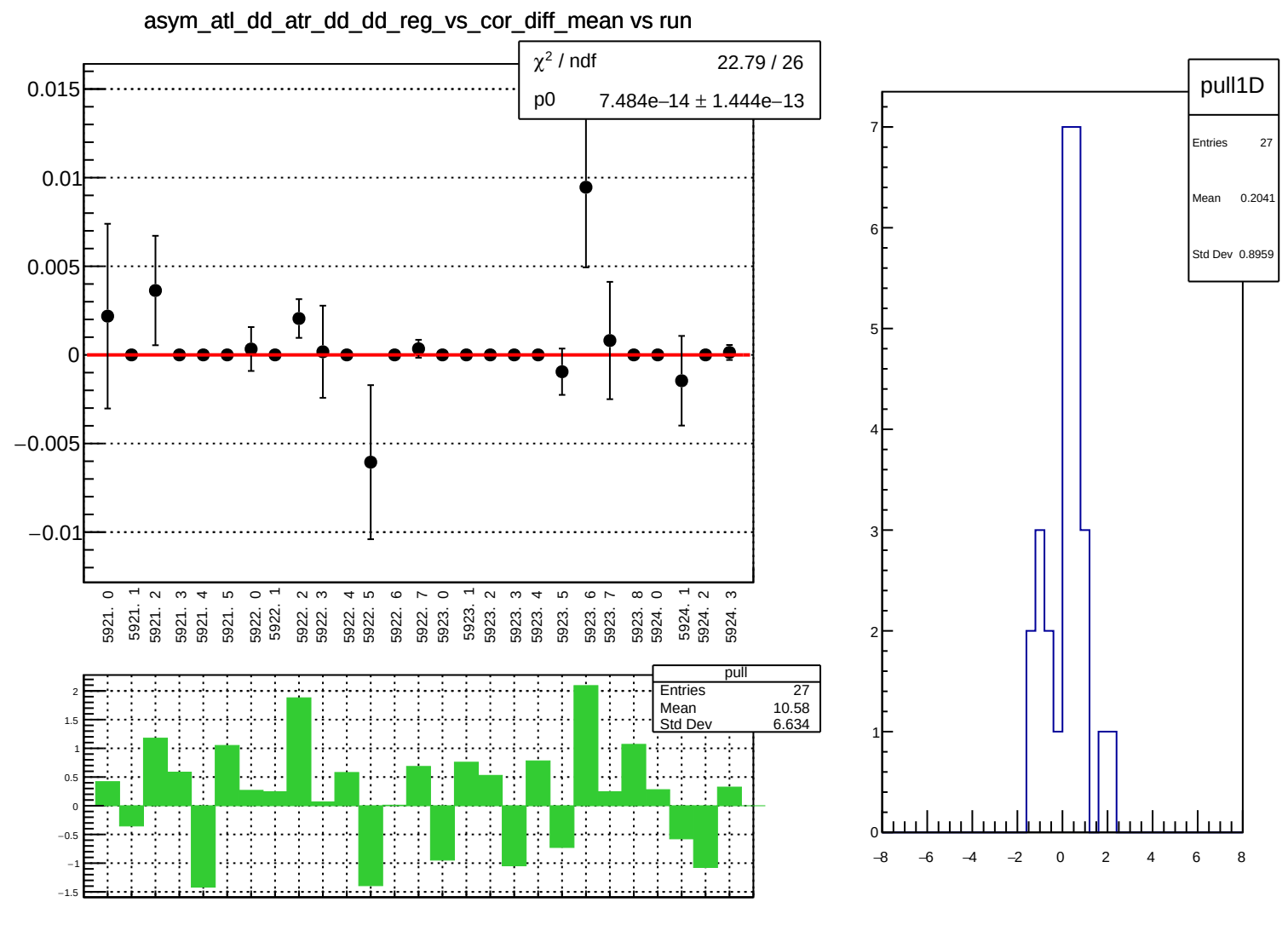

pull1D
Entries 27
Mean −0.02297
Std Dev 1.02
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

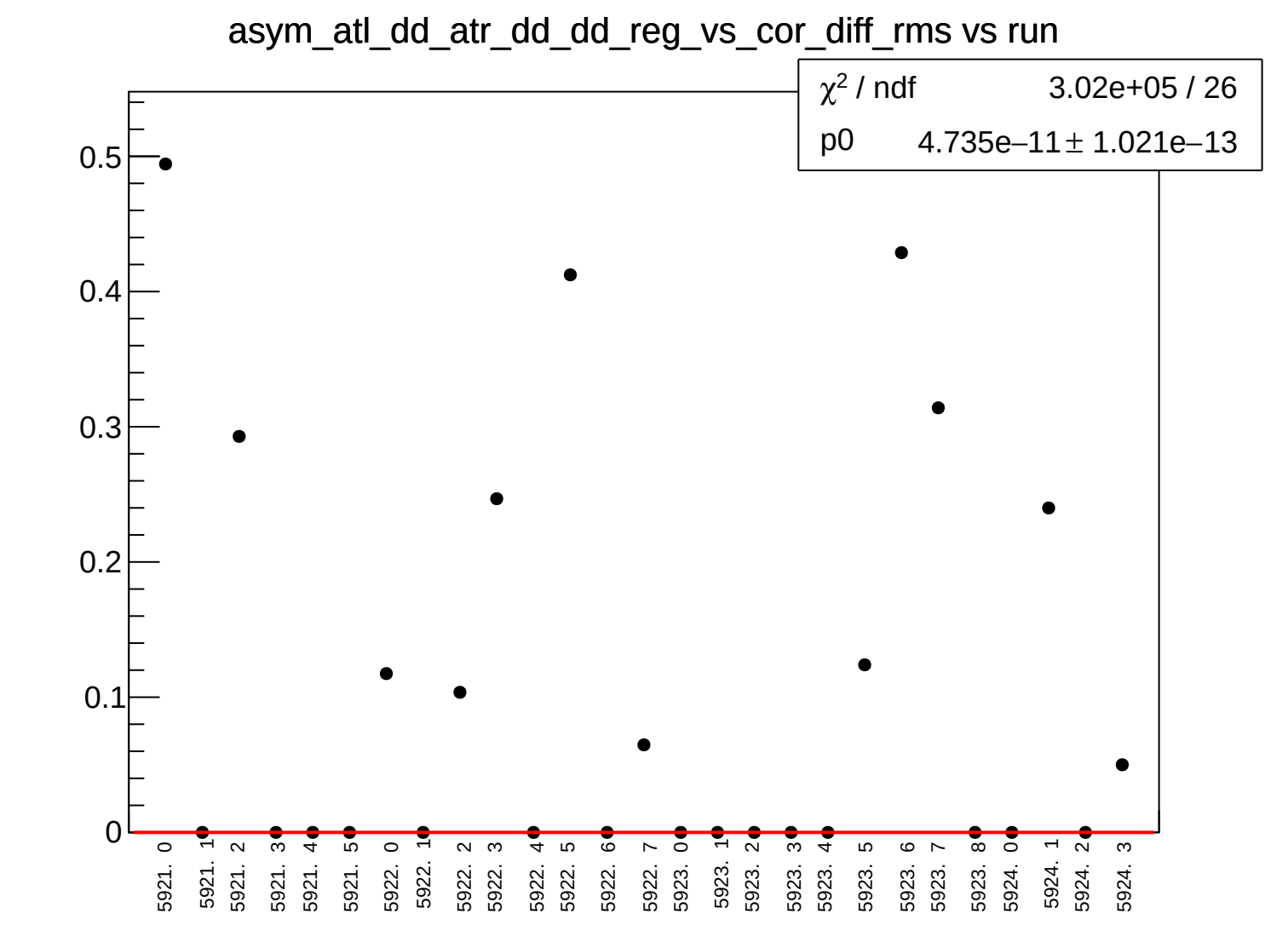

asym_atl_dd_atr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 9158 / 26
p0 982.4 ± 1.378
1300
1200
1100
1000
900
800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

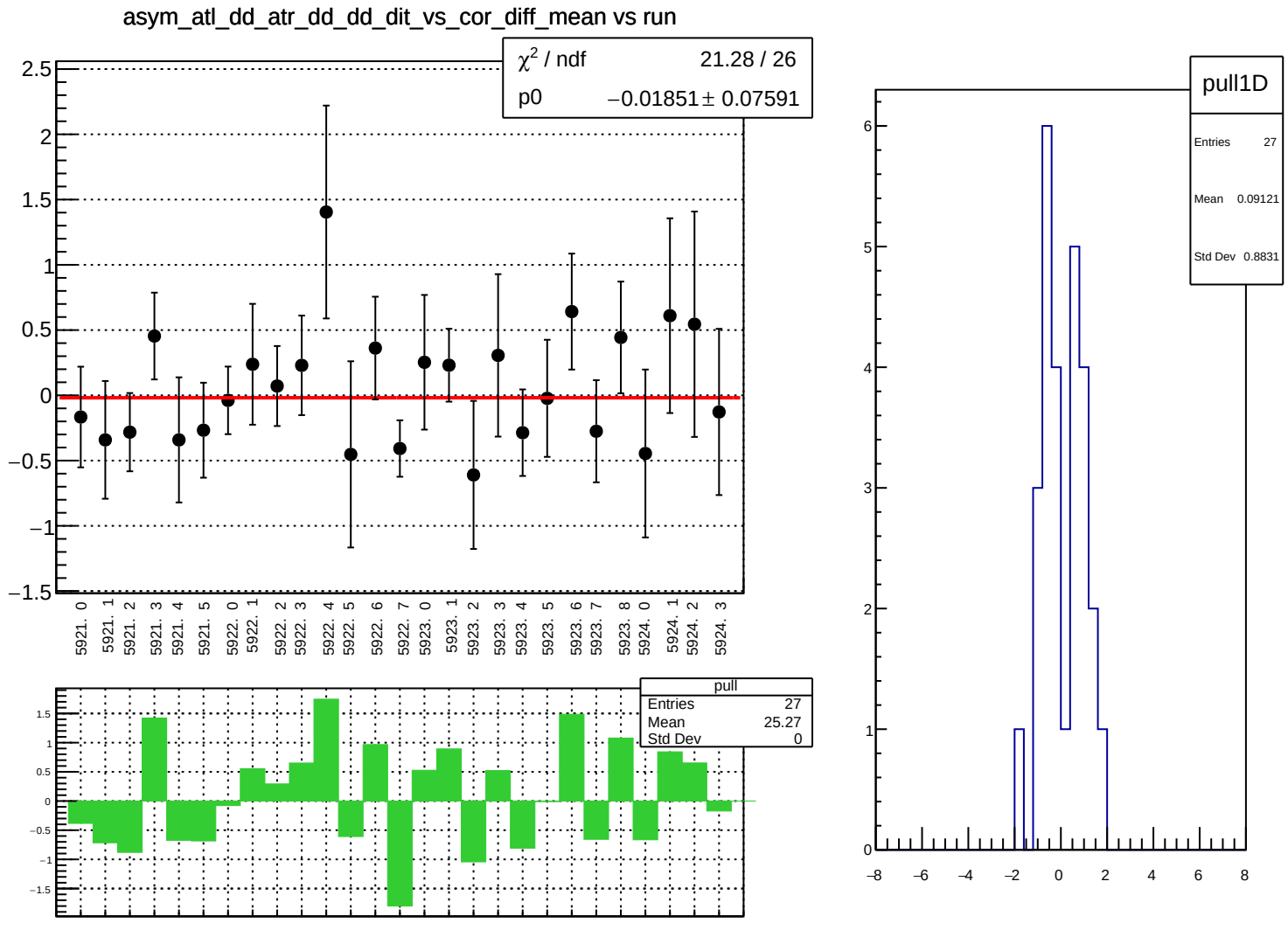

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 19.42 / 26
p0 620.1 ± 3195
60000
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 79.91
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1

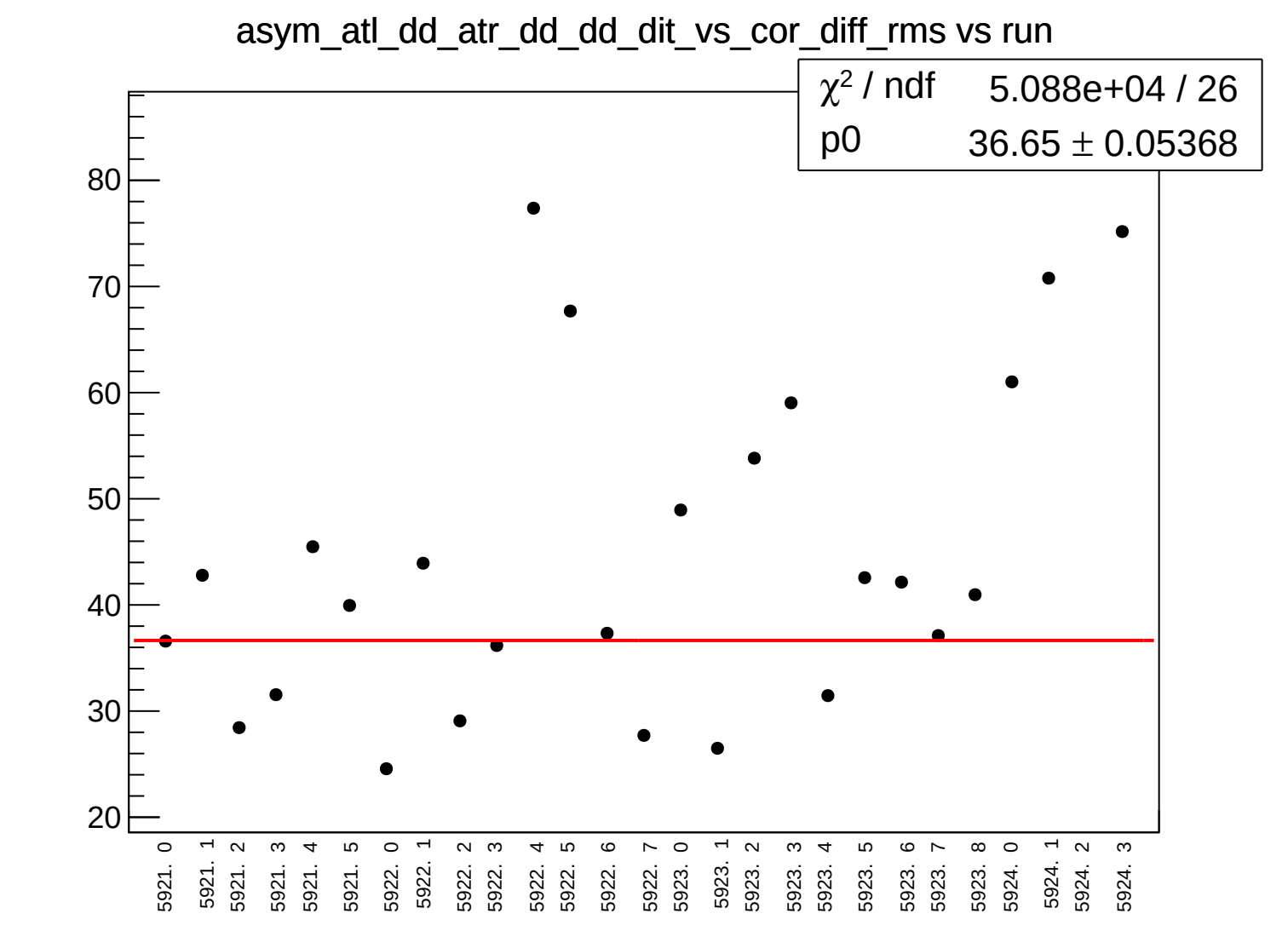

pull1D
Entries 27
Mean 0.01306
Std Dev 0.848
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

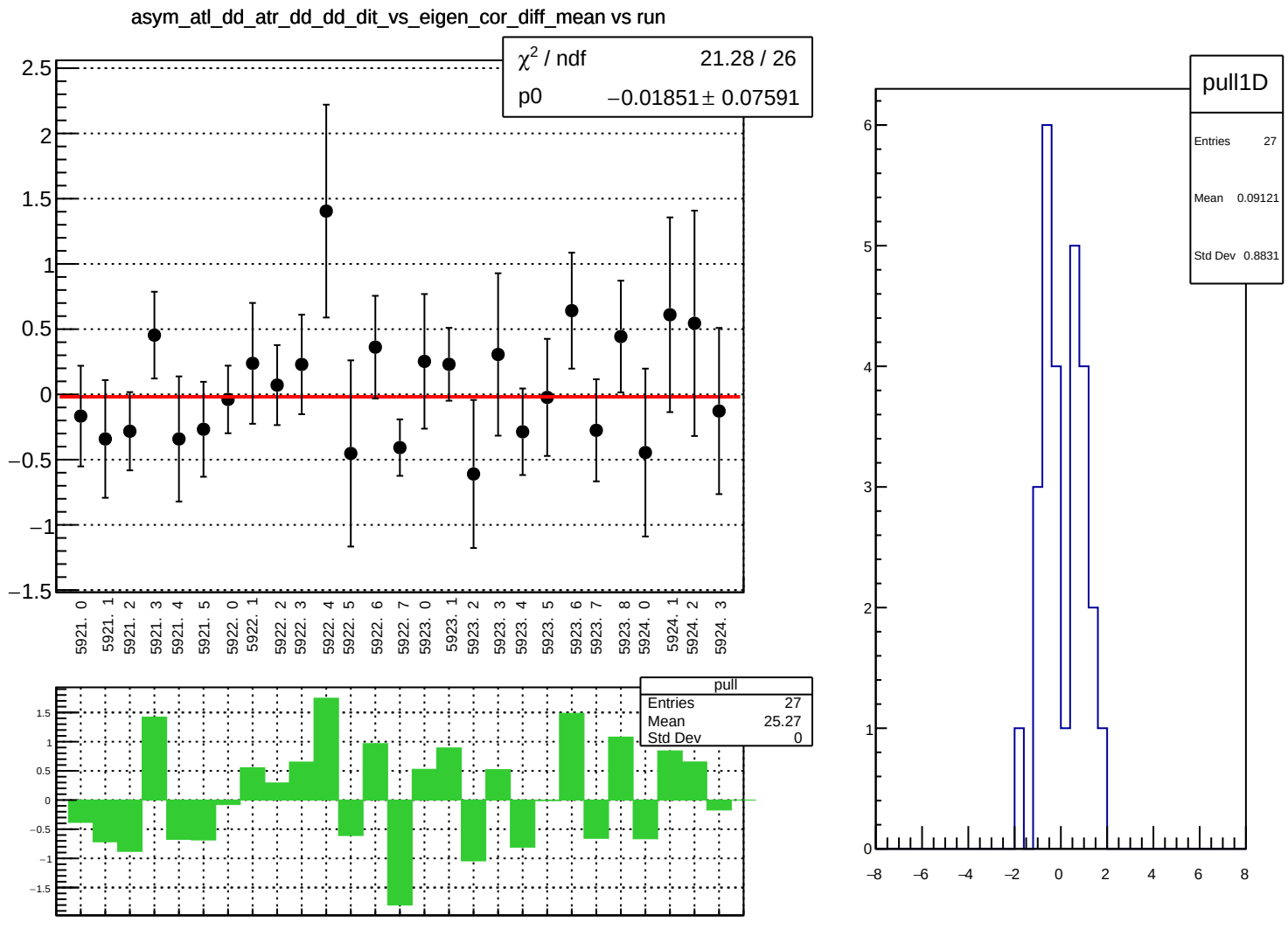

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1291 / 26
p0 1622 ± 2.259
1850
1800
1750
1700
1650
1600
1550
1500
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

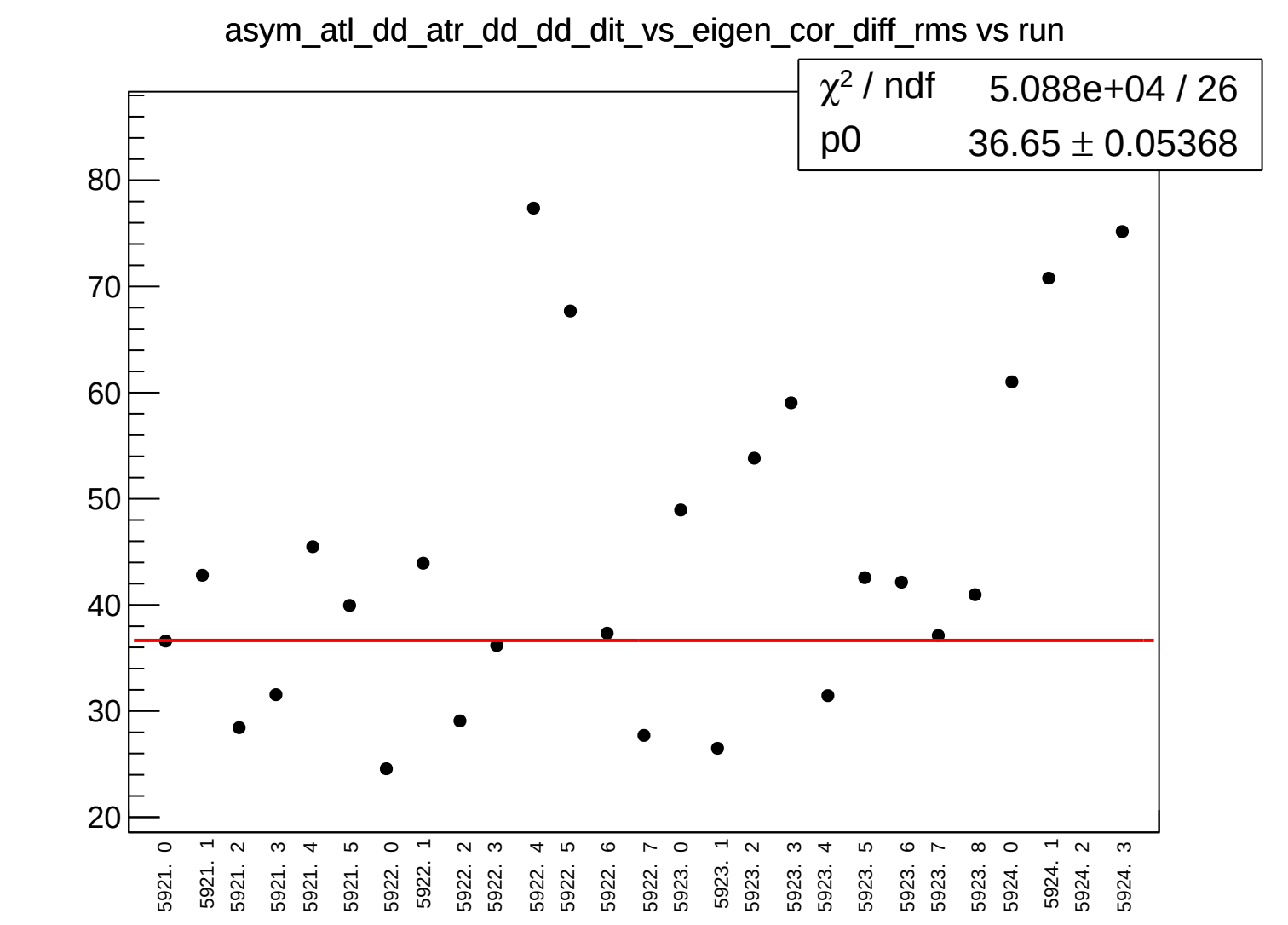

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 22.79 / 26
p0 7.484e−14 ± 1.444e−13
0.015
0.01
0.005
0
−0.005
−0.01
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 10.58
Std Dev 6.634
pull1D
Entries 27
Mean 0.2041
Std Dev 0.8959

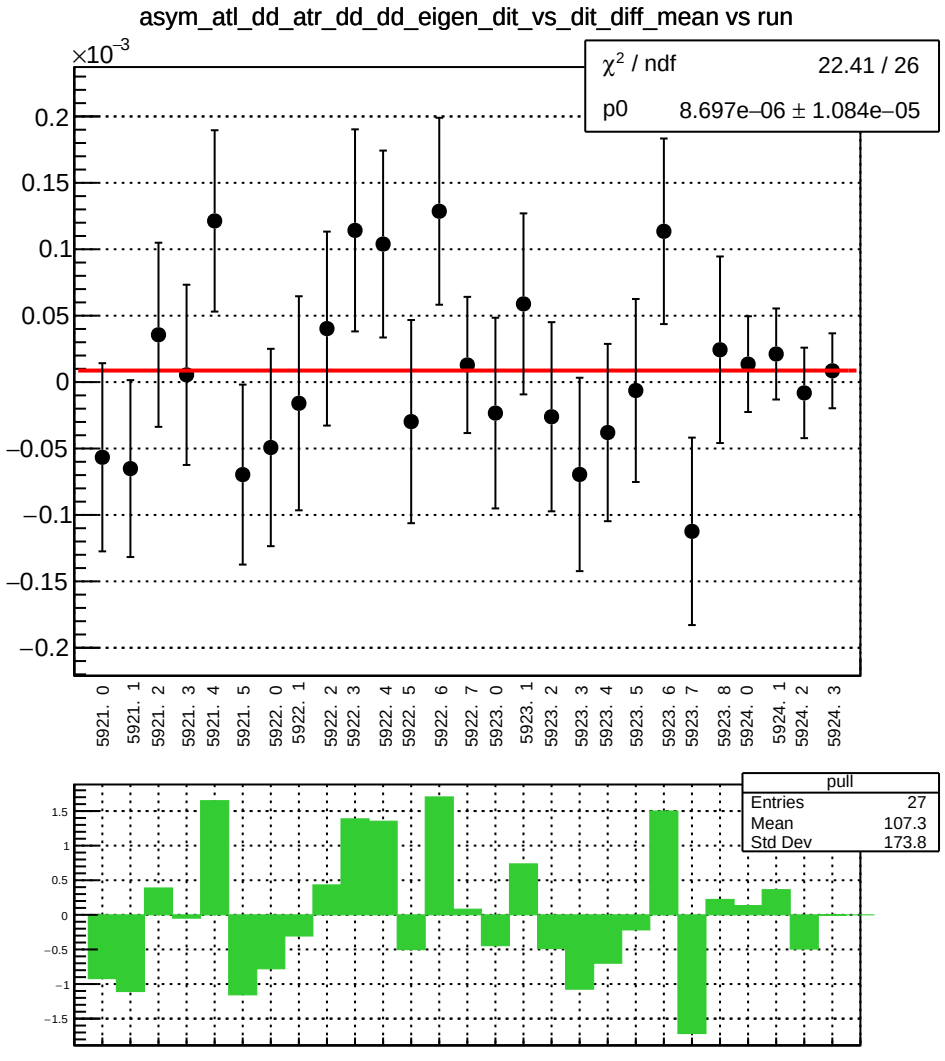

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.02e+05 / 26
p0 4.735e−11 ± 1.021e−13
0.5
0.4
0.3
0.2
0.1
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

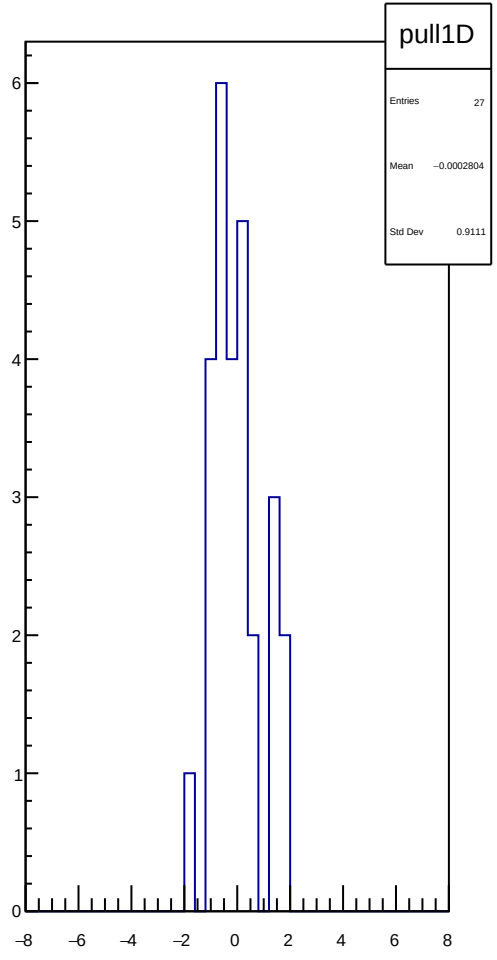

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 21.28 / 26
p0 −0.01851 ± 0.07591
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 25.27
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.09121
Std Dev 0.8831
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

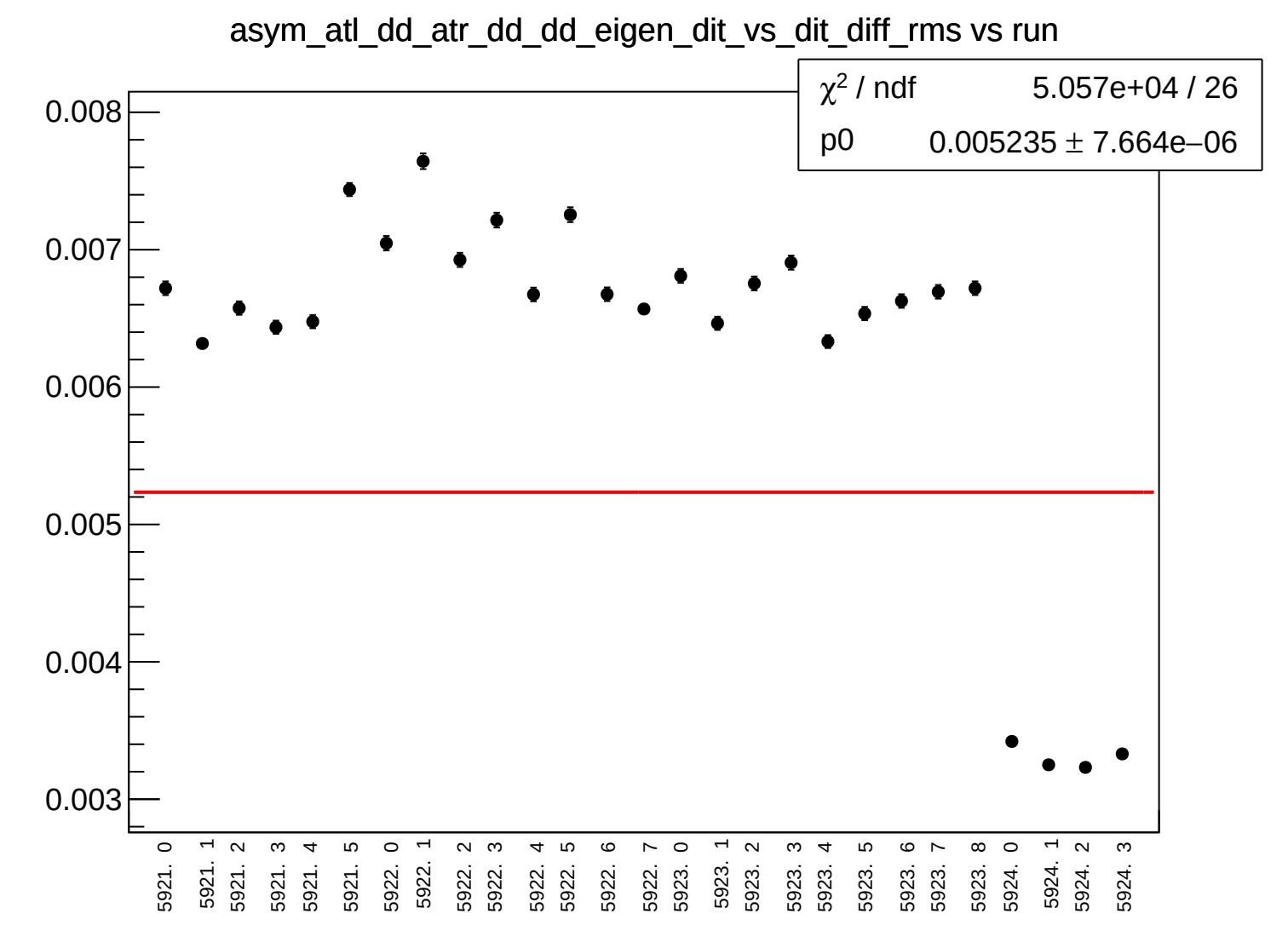

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5.088e+04 / 26
p0 36.65 ± 0.05368
80
70
60
50
40
30
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

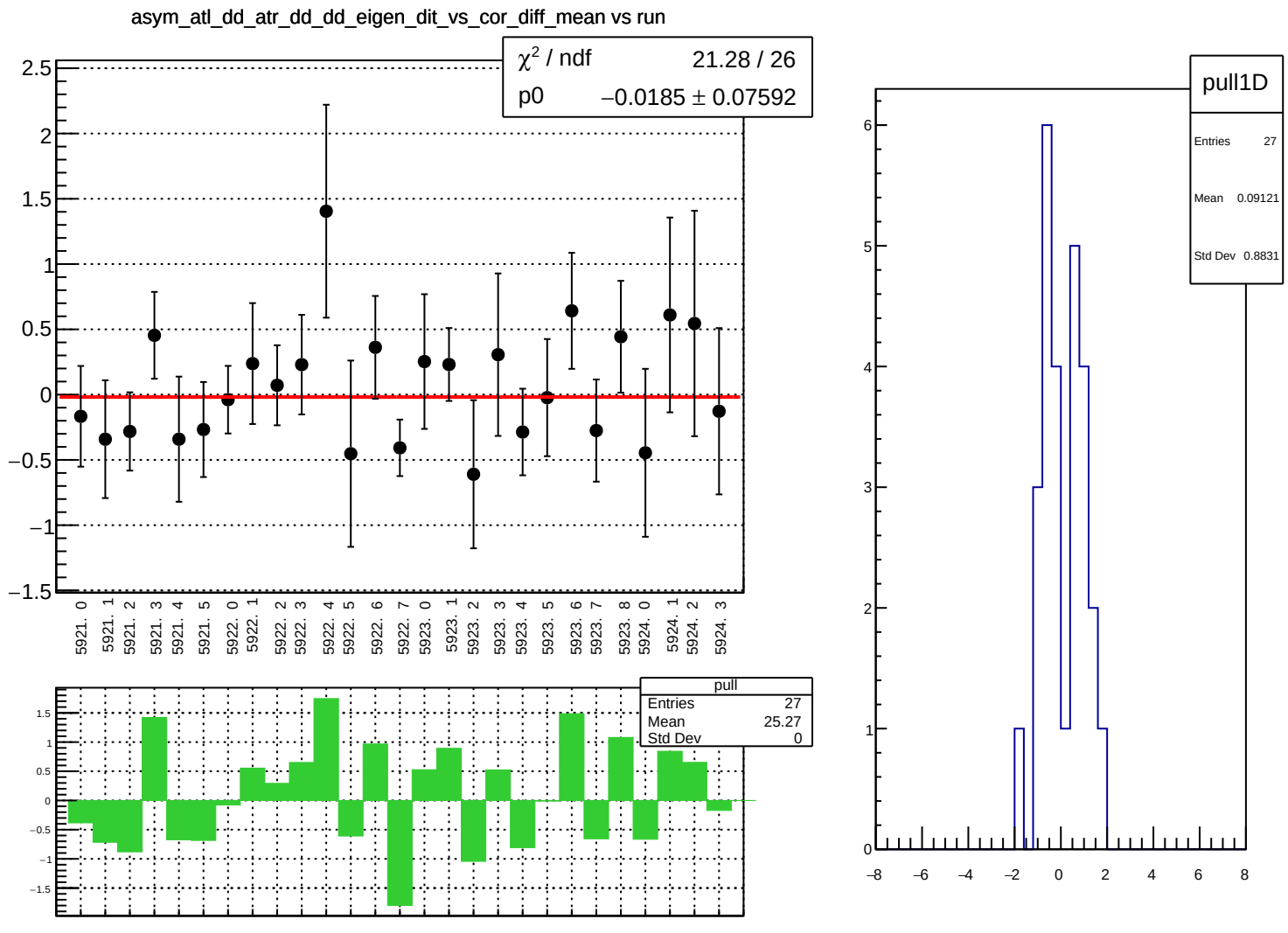

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 21.28 / 26
p0 −0.01851 ± 0.07591
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 25.27
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.09121
Std Dev 0.8831
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

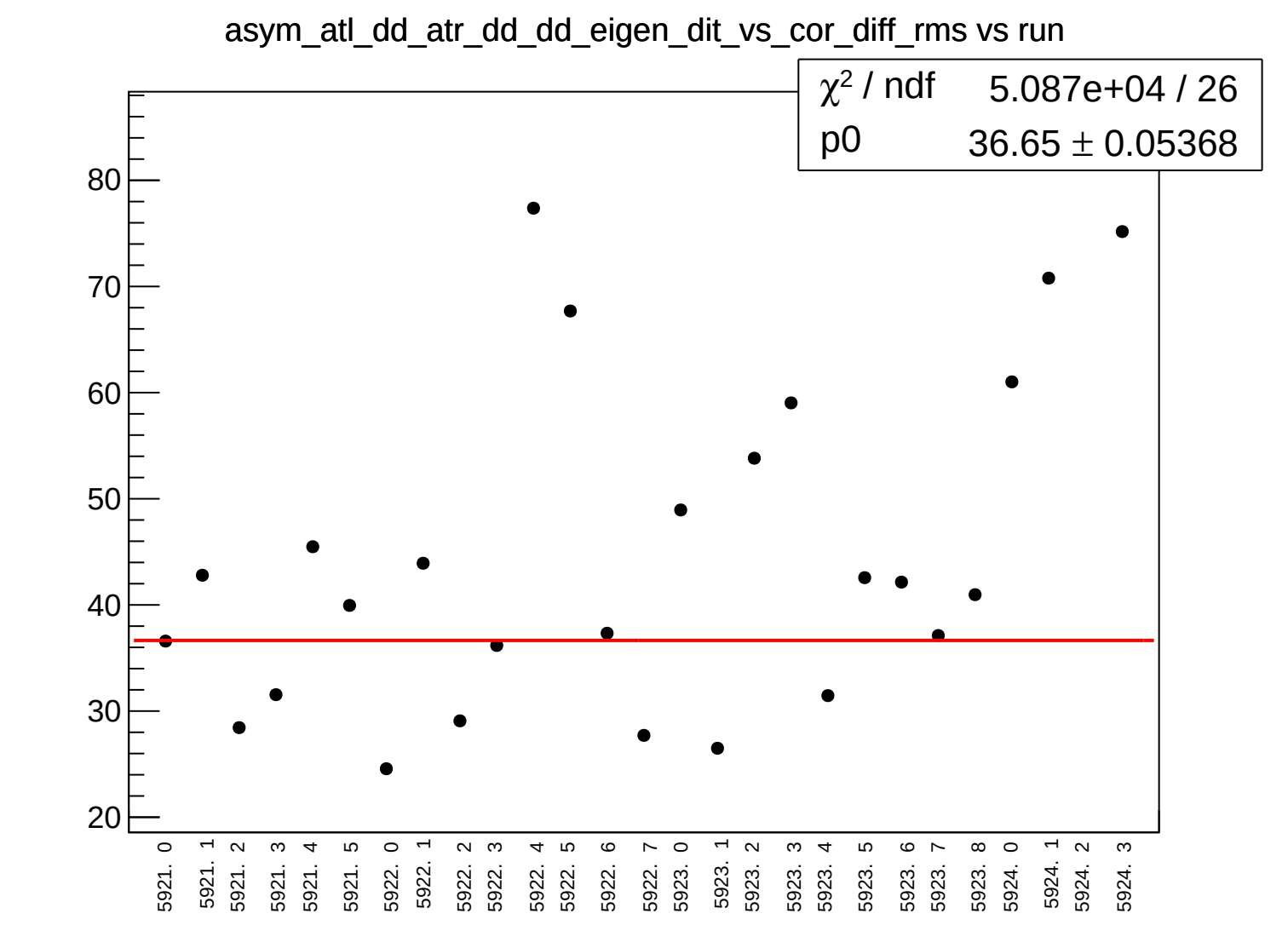

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.088e+04 / 26
p0 36.65 ± 0.05368
80
70
60
50
40
30
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

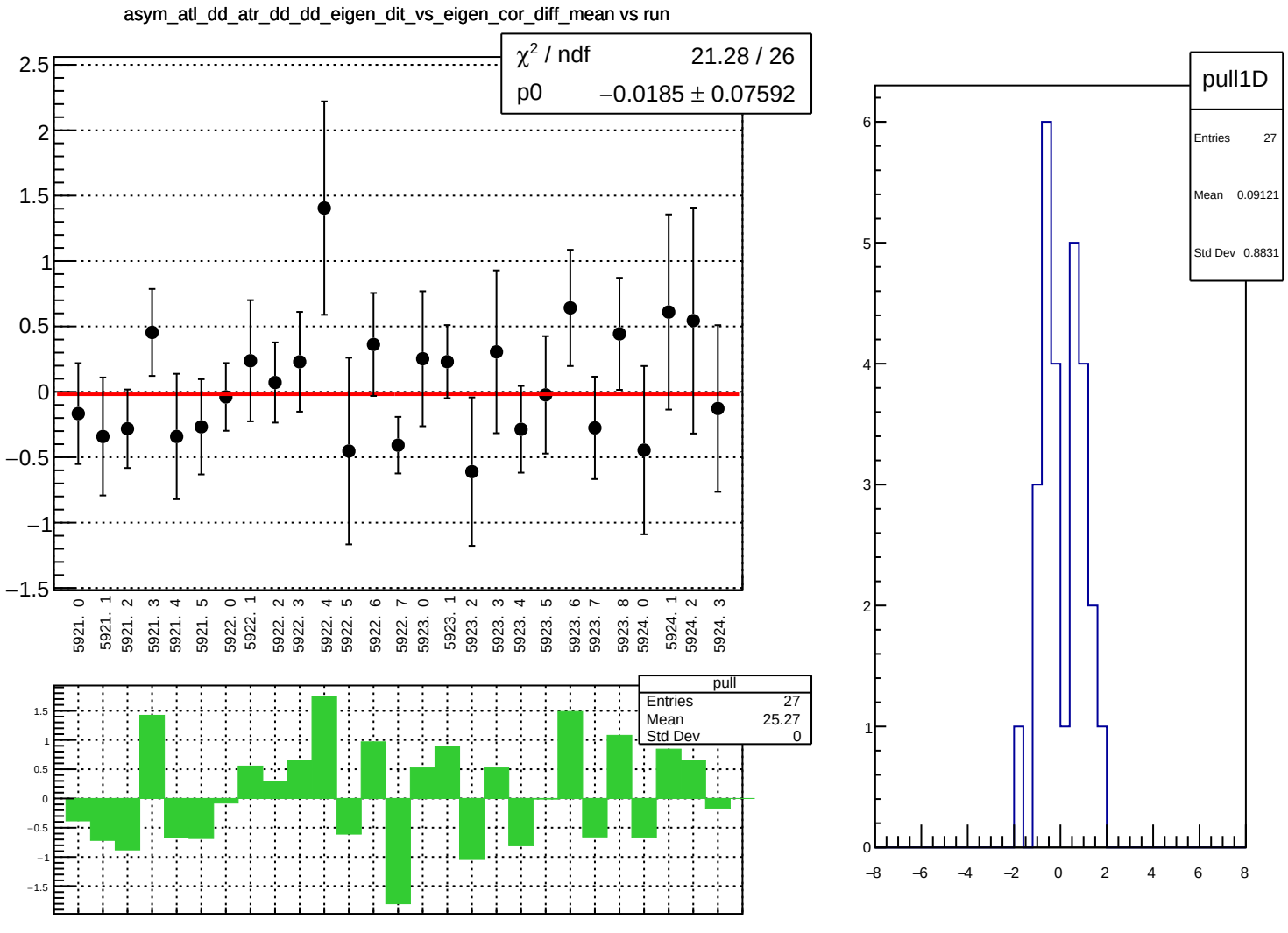

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 22.41 / 26
p0 8.697e−06 ± 1.084e−05
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 107.3
Std Dev 173.8
1.5
1
0.5
0
−0.5
−1
−1.5

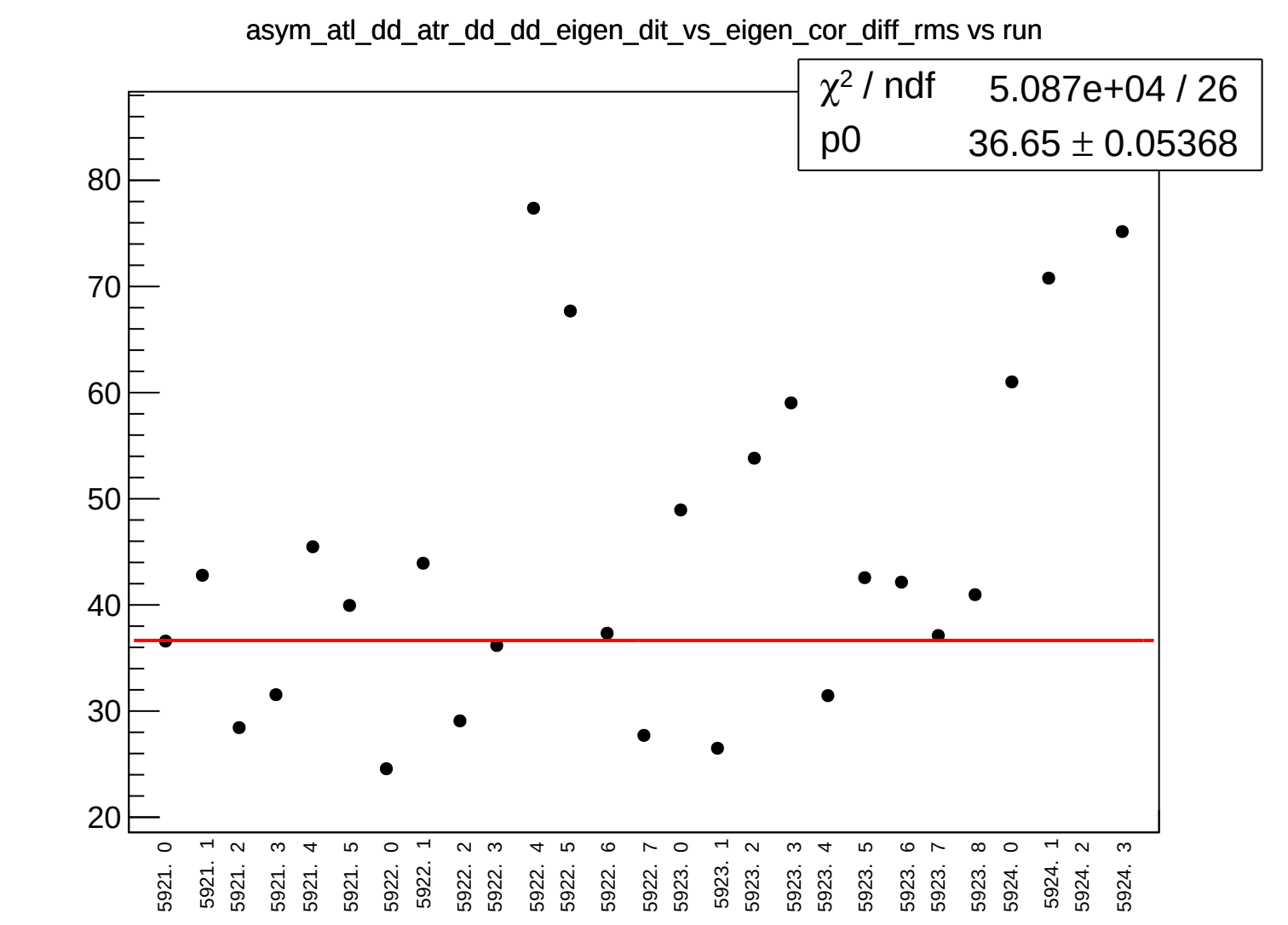

pull1D
Entries 27
Mean −0.0002804
Std Dev 0.9111
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

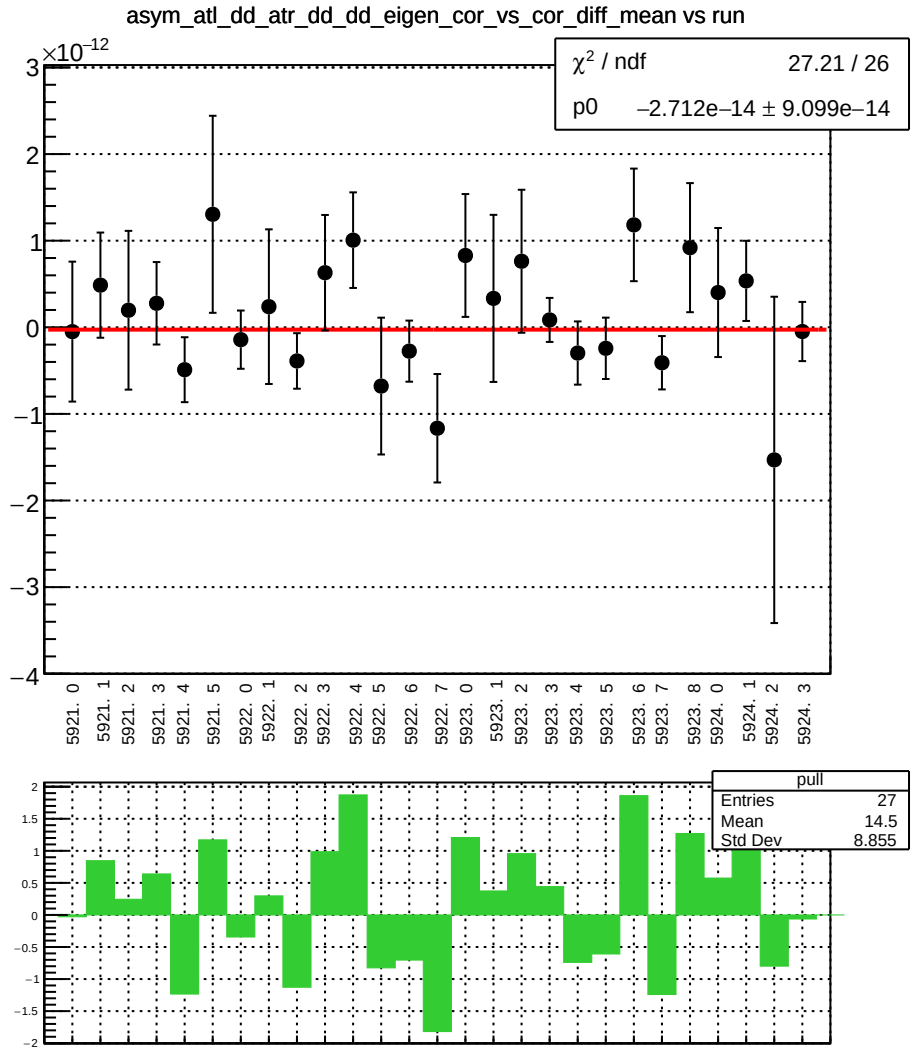

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5.057e+04 / 26
p0 0.005235 ± 7.664e−06
0.008
0.007
0.006
0.005
0.004
0.003
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

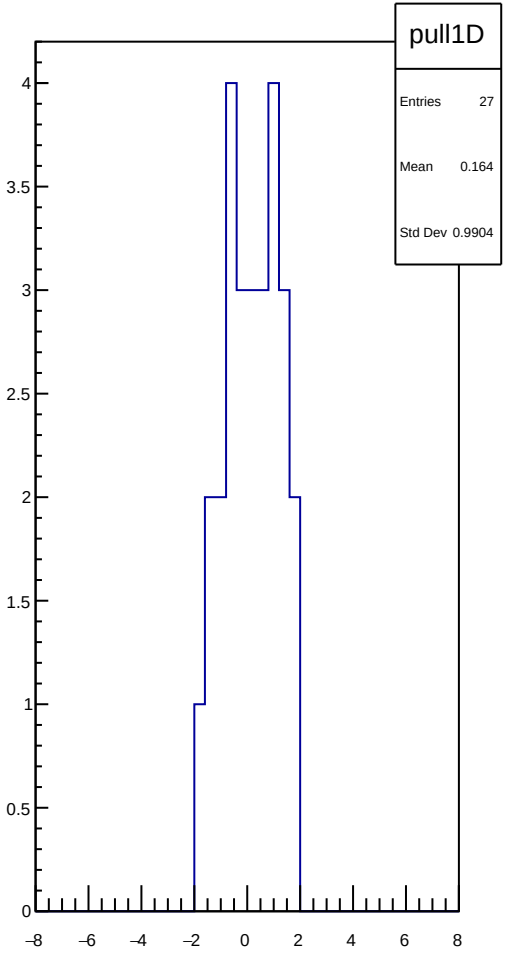

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 21.28 / 26
p0 −0.0185 ± 0.07592
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 25.27
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.09121
Std Dev 0.8831
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

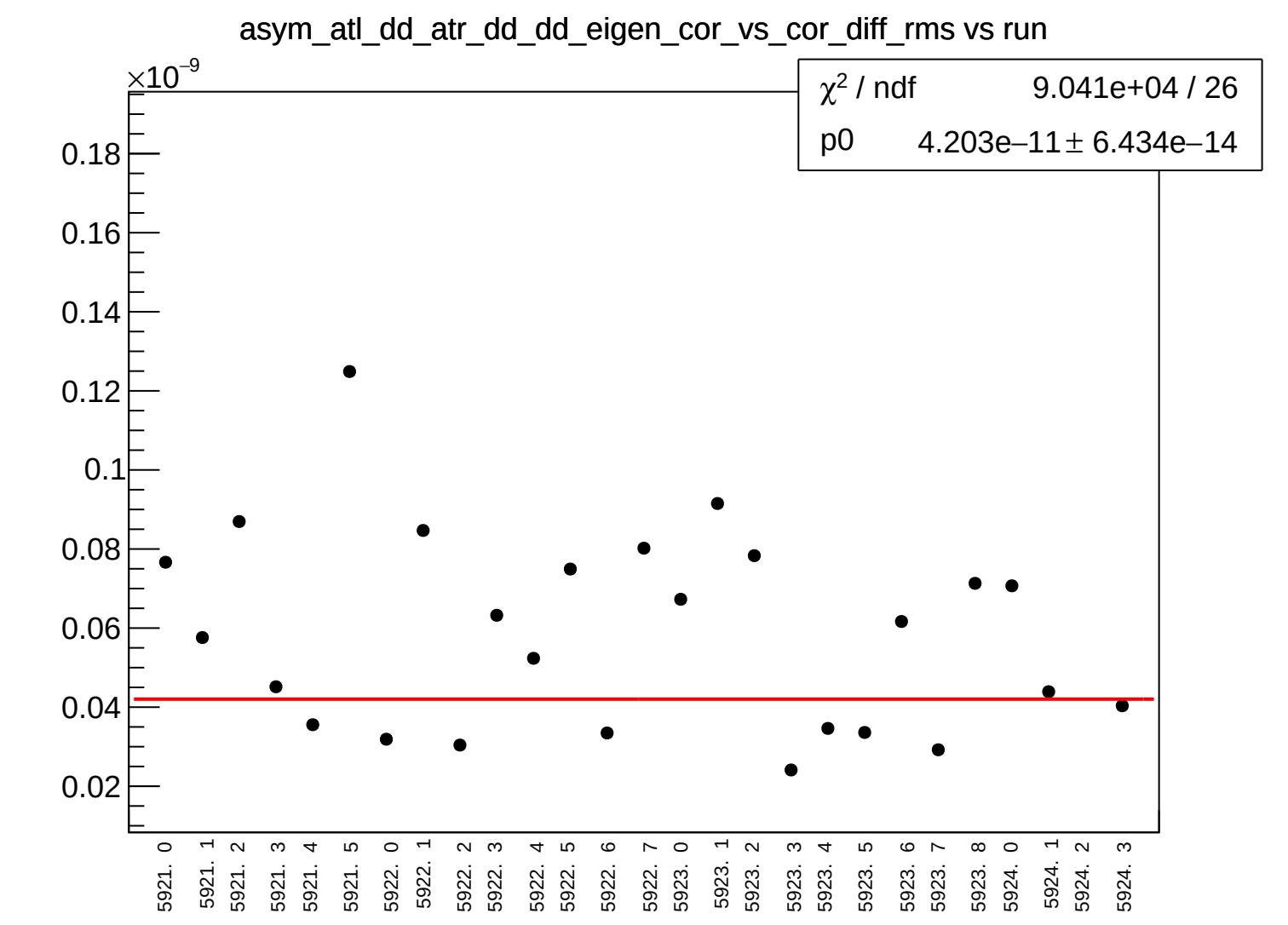

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.087e+04 / 26
p0 36.65 ± 0.05368
80
70
60
50
40
30
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

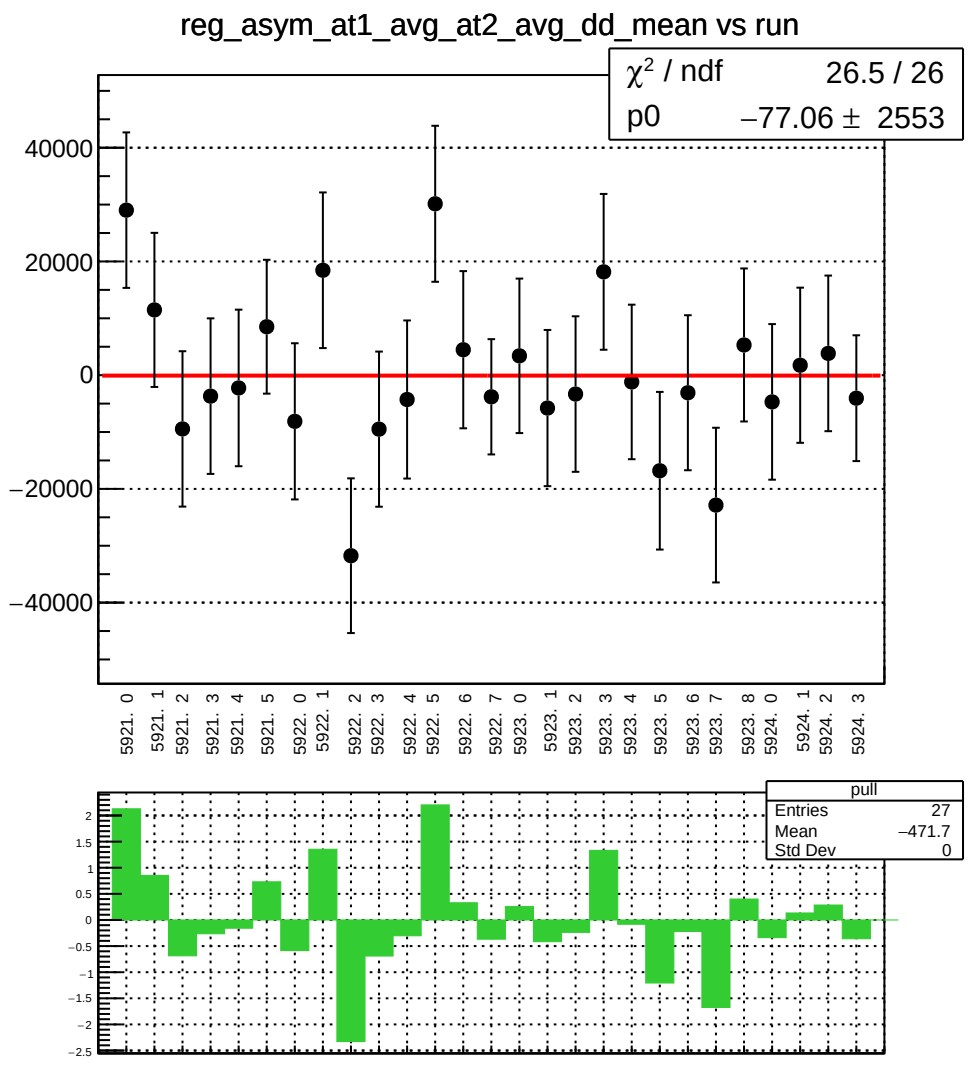

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 21.28 / 26
p0 −0.0185 ± 0.07592
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 25.27
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.09121
Std Dev 0.8831
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

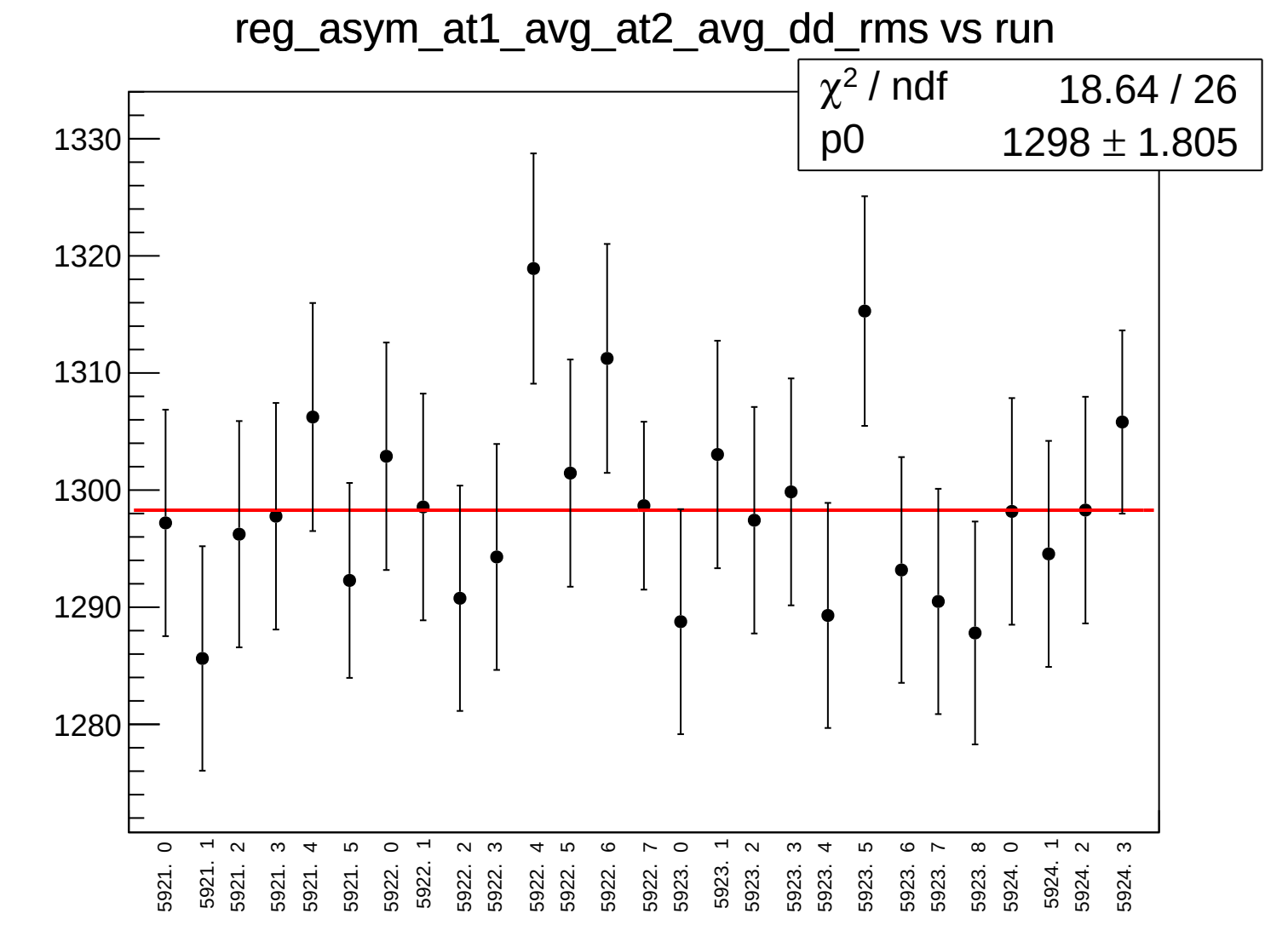

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.087e+04 / 26
p0 36.65 ± 0.05368
80
70
60
50
40
30
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

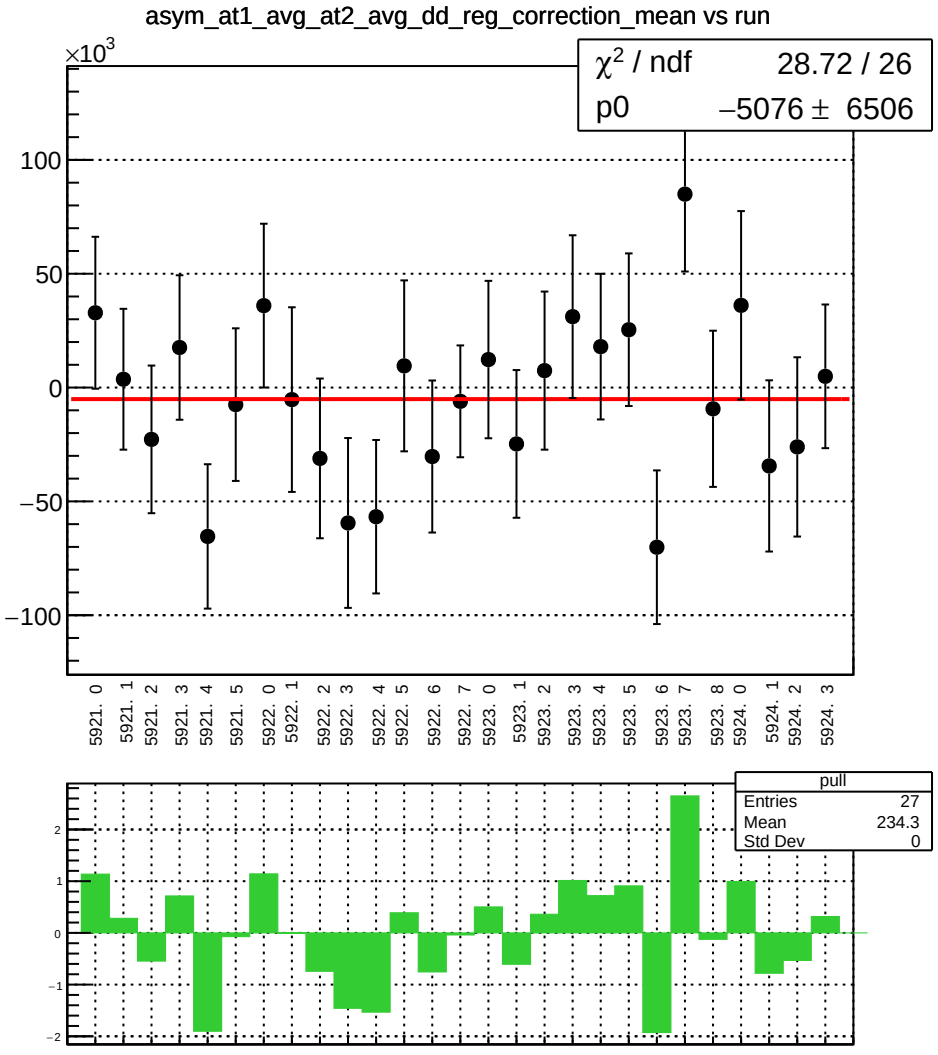

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 27.21 / 26
p0 −2.712e−14 ± 9.099e−14
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 14.5
Std Dev 8.855

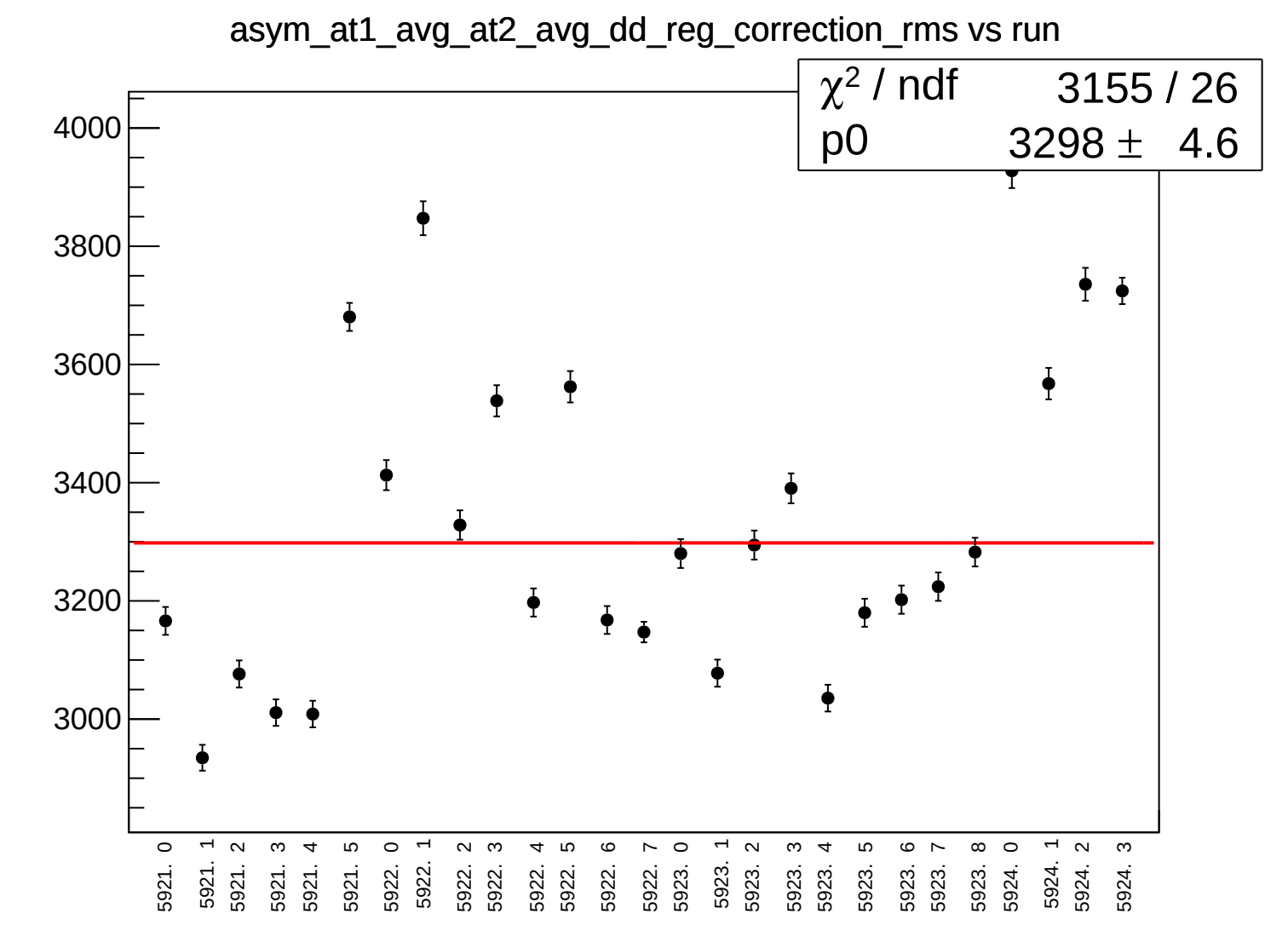

pull1D
Entries 27
Mean 0.164
Std Dev 0.9904

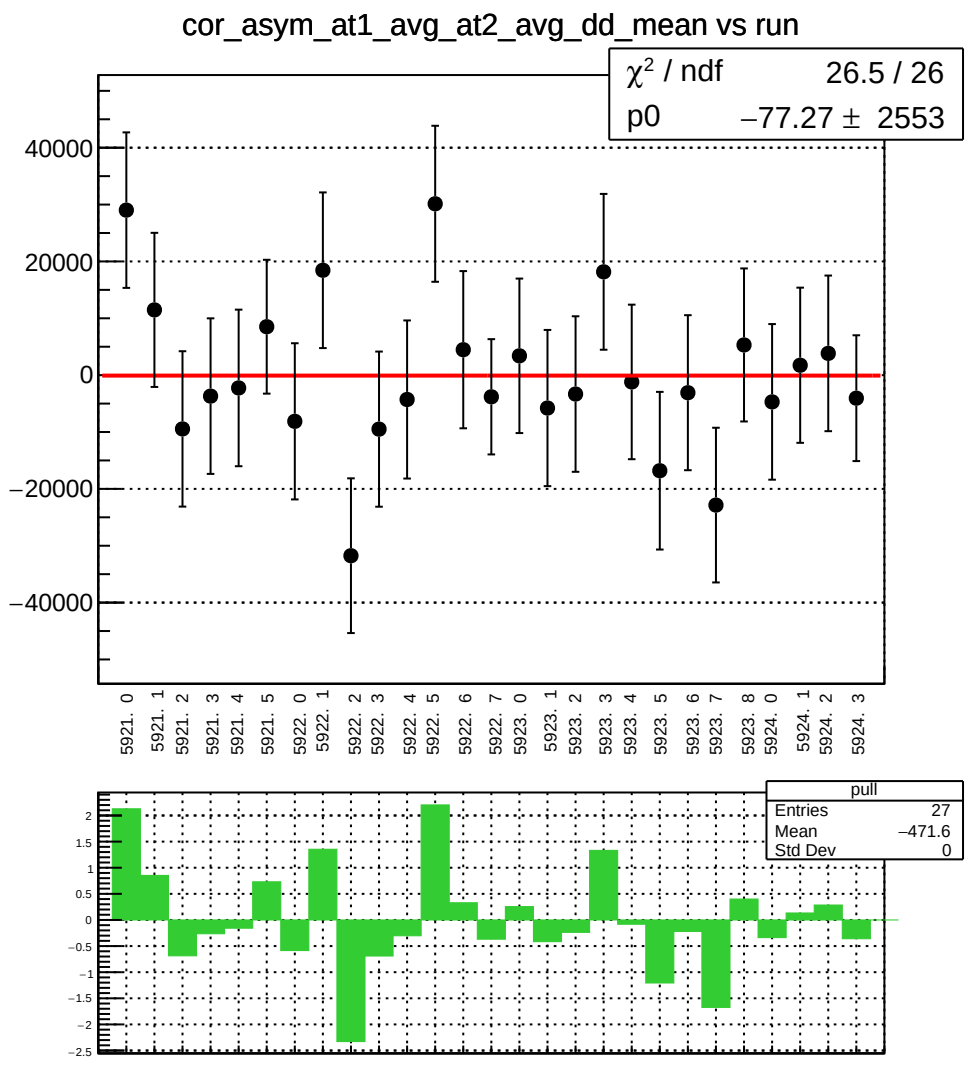

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 9.041e+04 / 26
p0 4.203e−11 ± 6.434e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

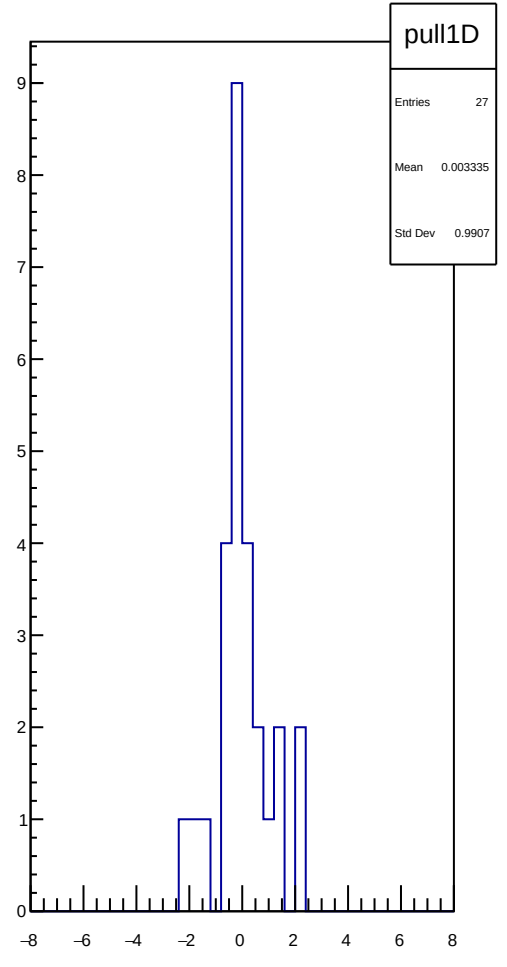

reg_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 26.5 / 26
p0 −77.06 ± 2553
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −471.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean 0.003334
Std Dev 0.9907
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

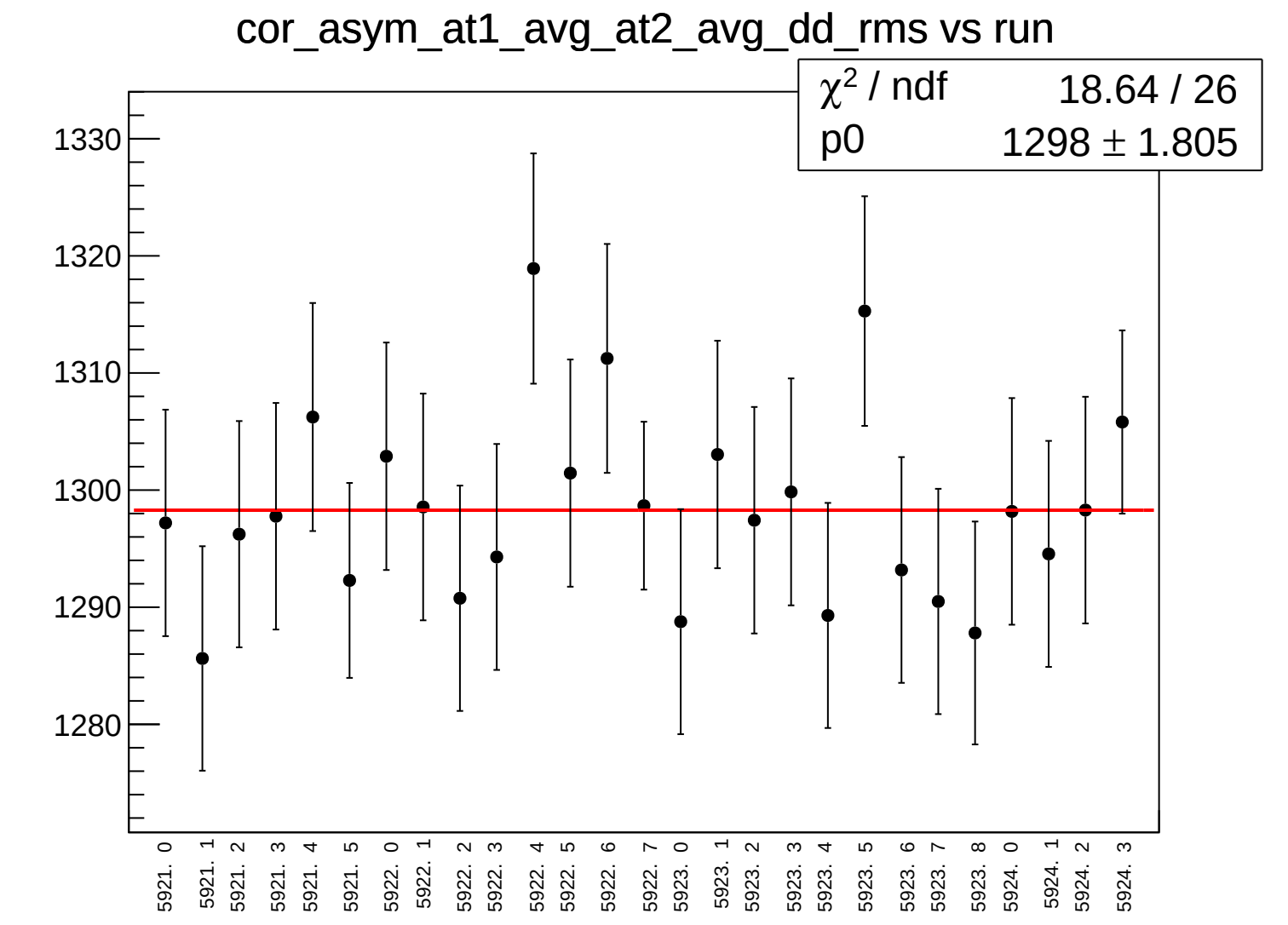

reg_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 18.64 / 26
p0 1298 ± 1.805
1330
1320
1310
1300
1290
1280
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

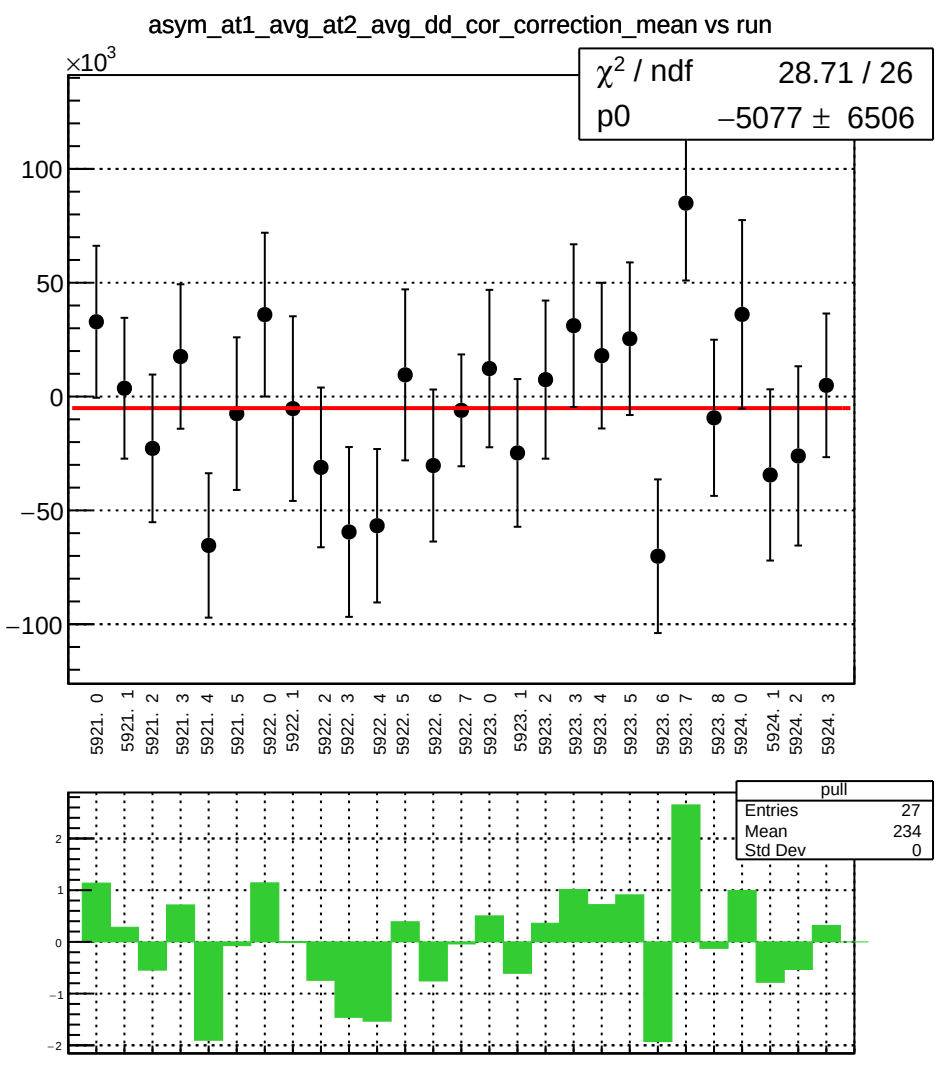

asym_at1_avg_at2_avg_dd_reg_correction_mean vs run
×10^3
χ² / ndf 28.72 / 26
p0 −5076 ± 6506
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 234.3
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.003977
Std Dev 1.031
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

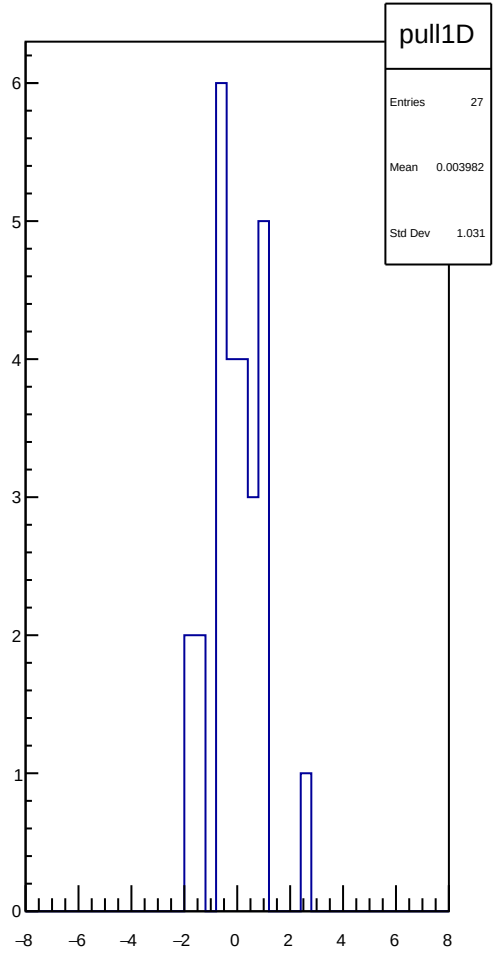

asym_at1_avg_at2_avg_dd_reg_correction_rms vs run
χ² / ndf 3155 / 26
p0 3298 ± 4.6
4000
3800
3600
3400
3200
3000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

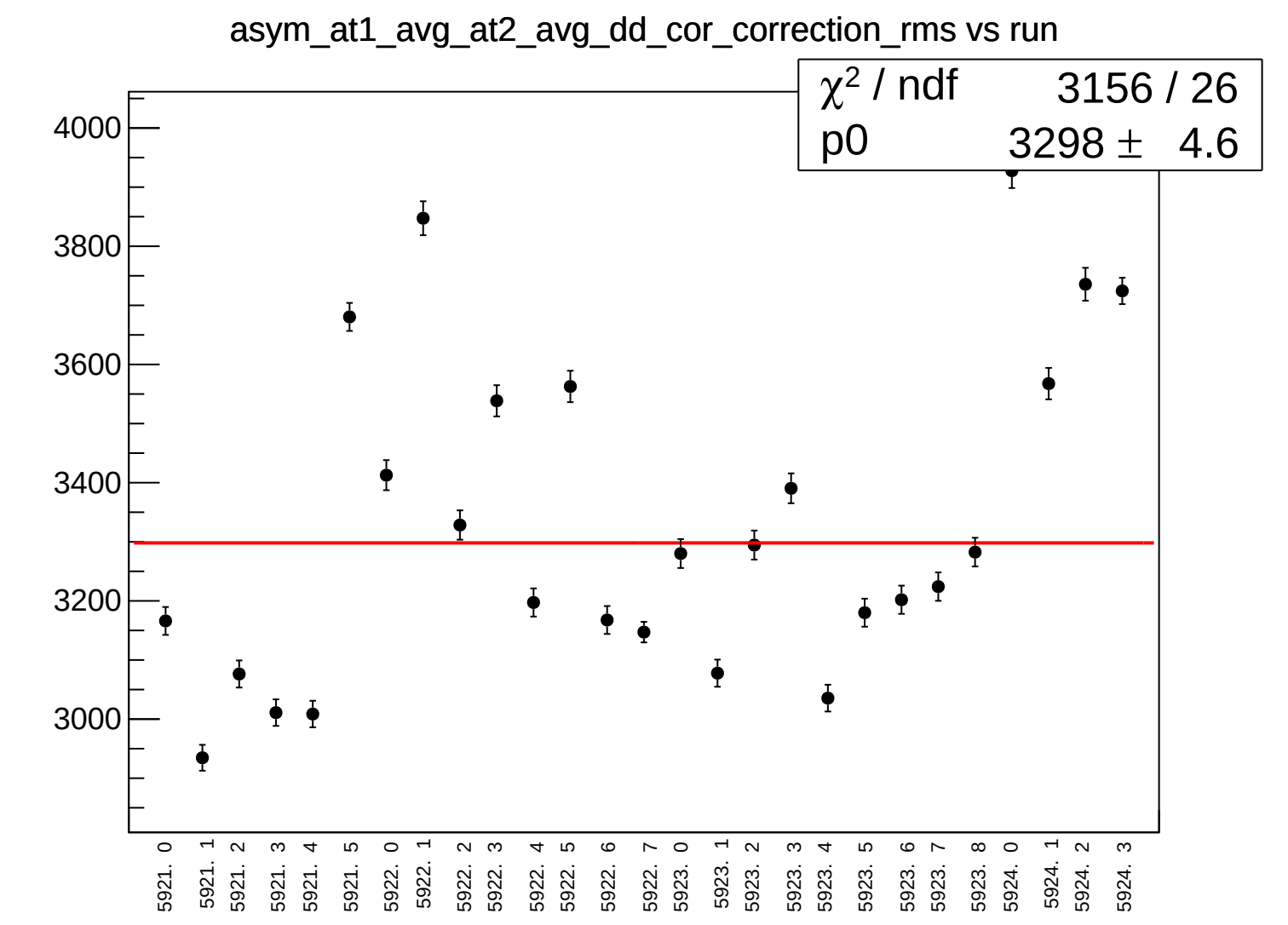

cor_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 26.5 / 26
p0 −77.27 ± 2553
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −471.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

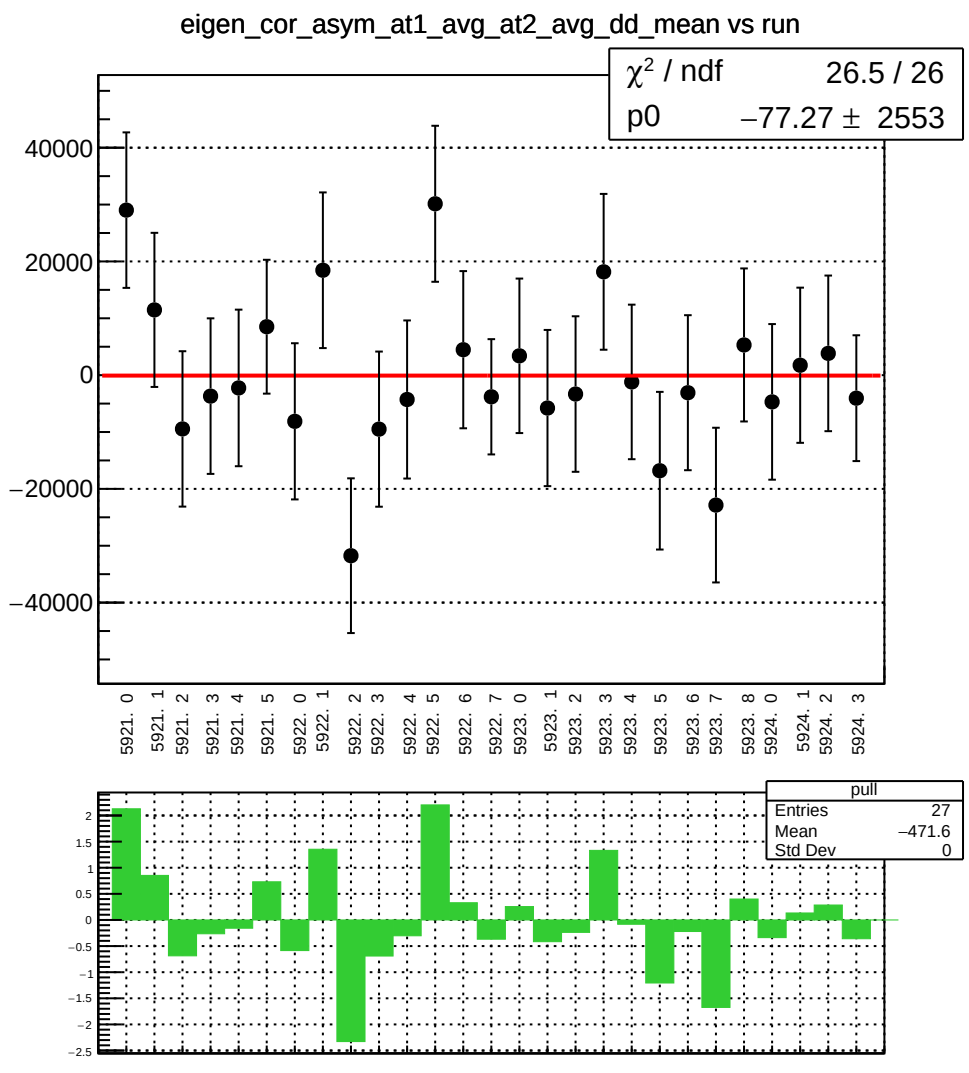

pull1D
Entries 27
Mean 0.003335
Std Dev 0.9907
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

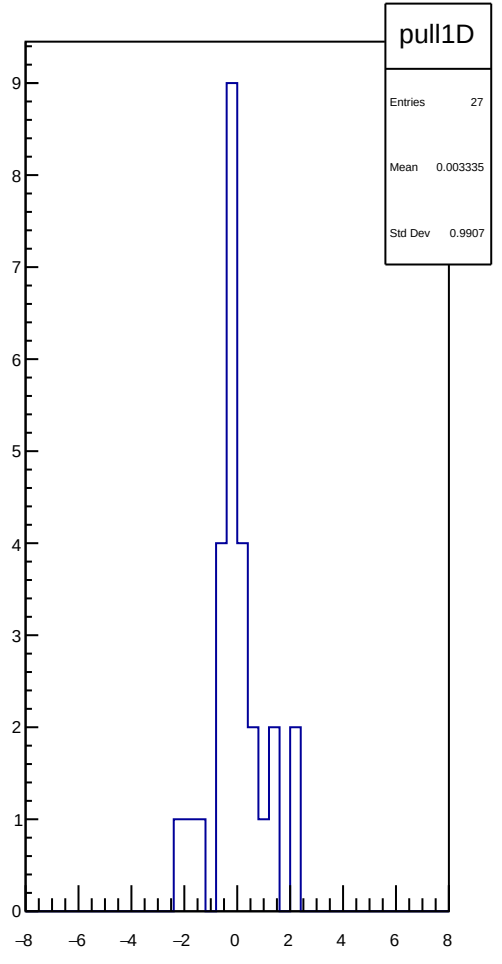

cor_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 18.64 / 26
p0 1298 ± 1.805
1330
1320
1310
1300
1290
1280
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

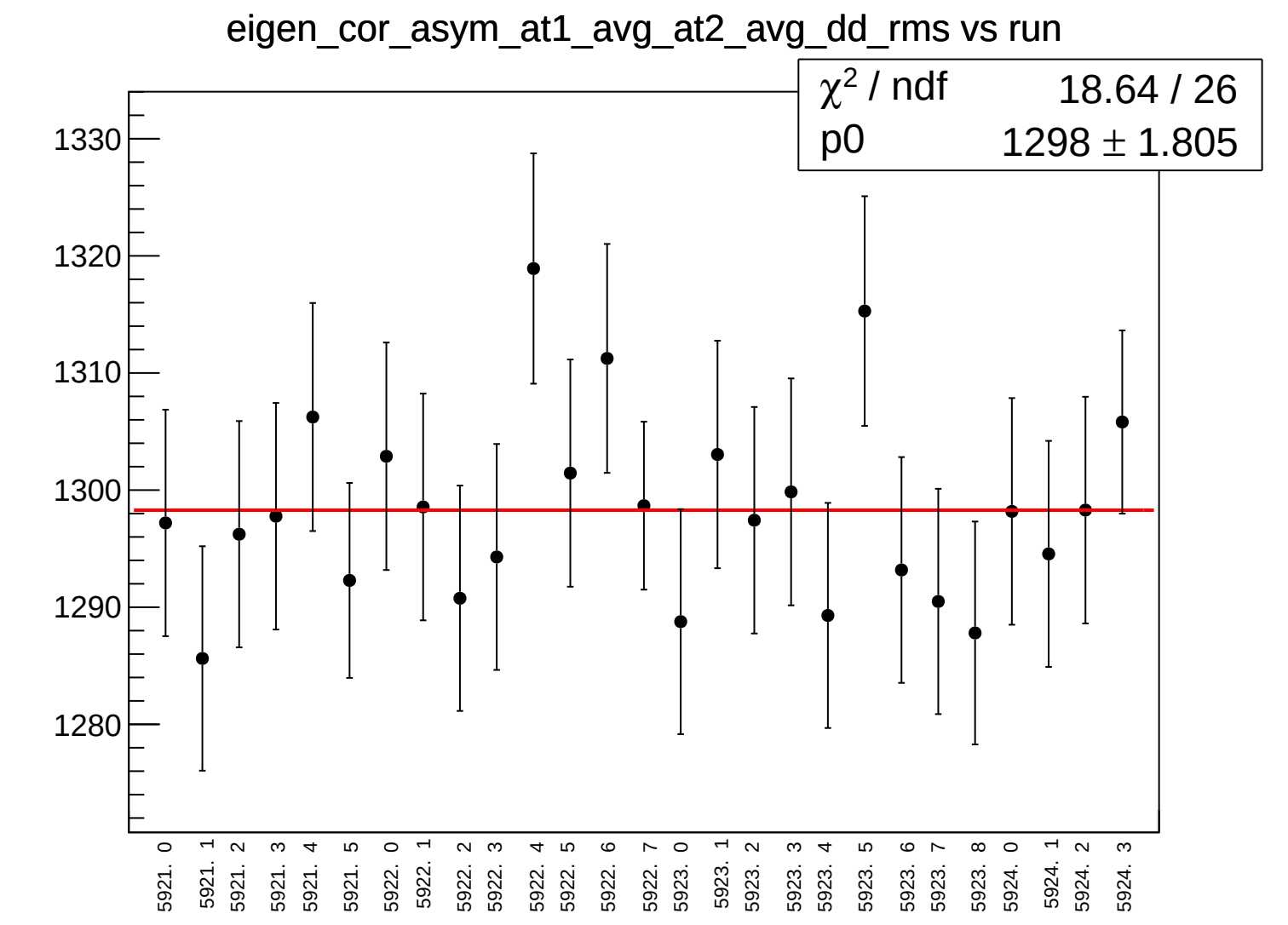

asym_at1_avg_at2_avg_dd_cor_correction_mean vs run
×10^3
χ² / ndf 28.71 / 26
p0 −5077 ± 6506
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 234
Std Dev 0
2
1
0
−1
−2

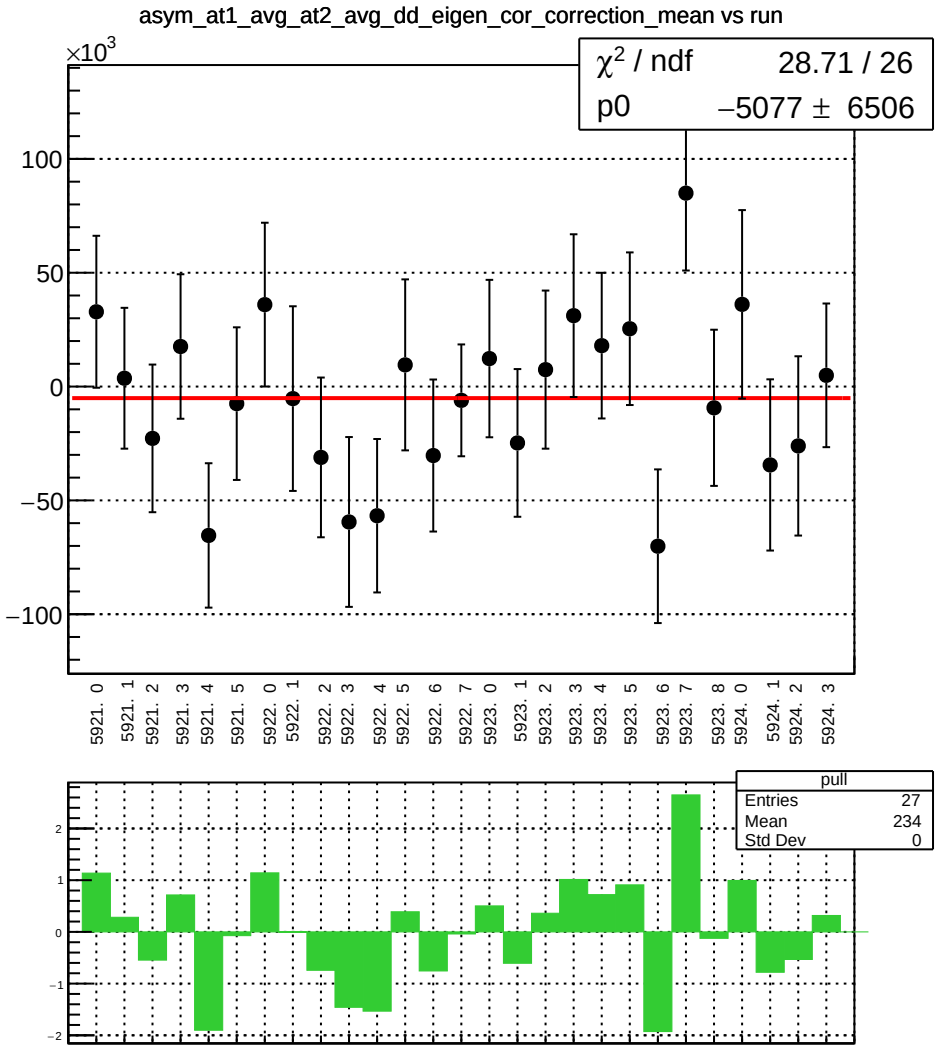

pull1D
Entries 27
Mean 0.003982
Std Dev 1.031
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

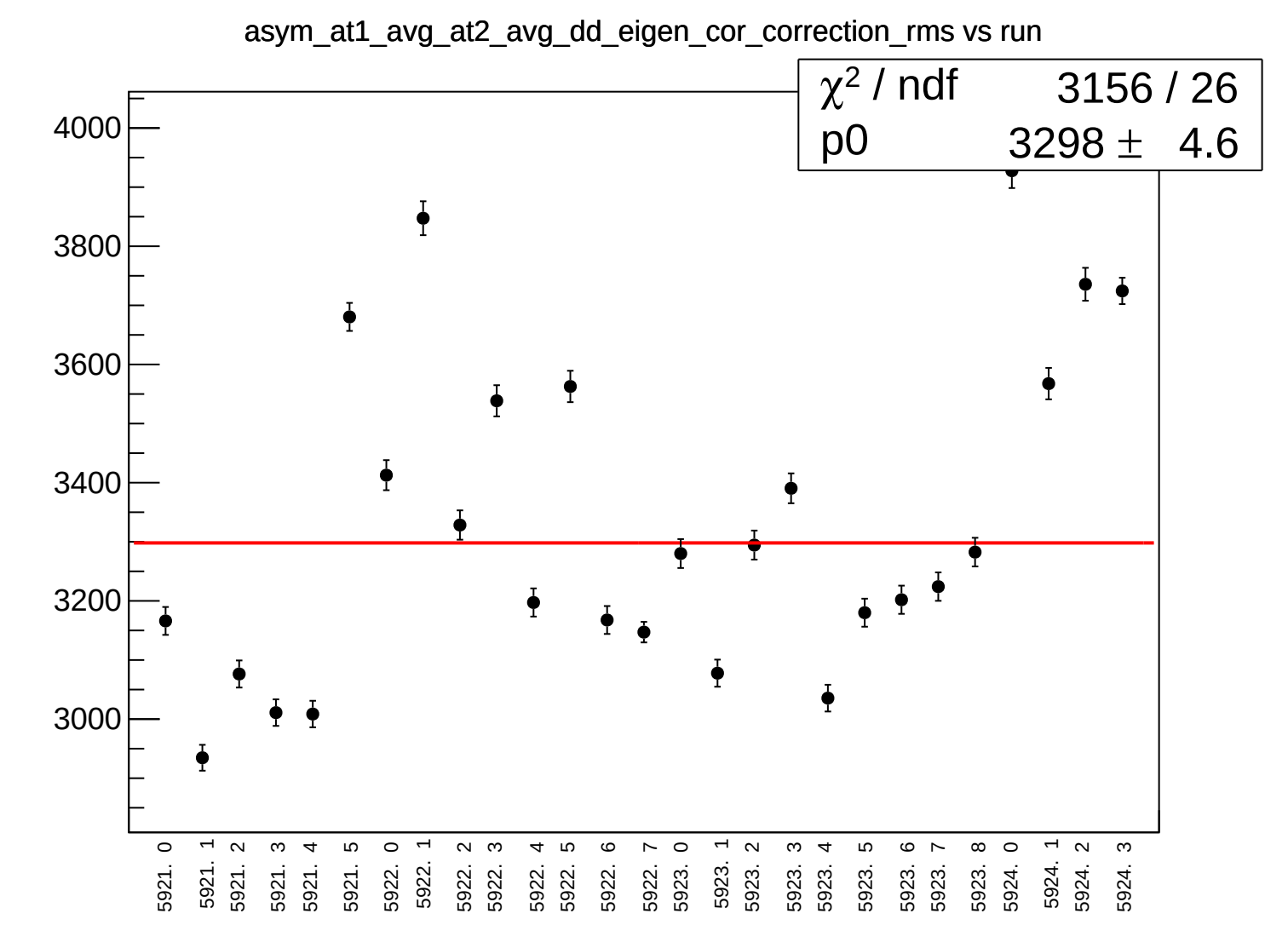

asym_at1_avg_at2_avg_dd_cor_correction_rms vs run
χ² / ndf 3156 / 26
p0 3298 ± 4.6
4000
3800
3600
3400
3200
3000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

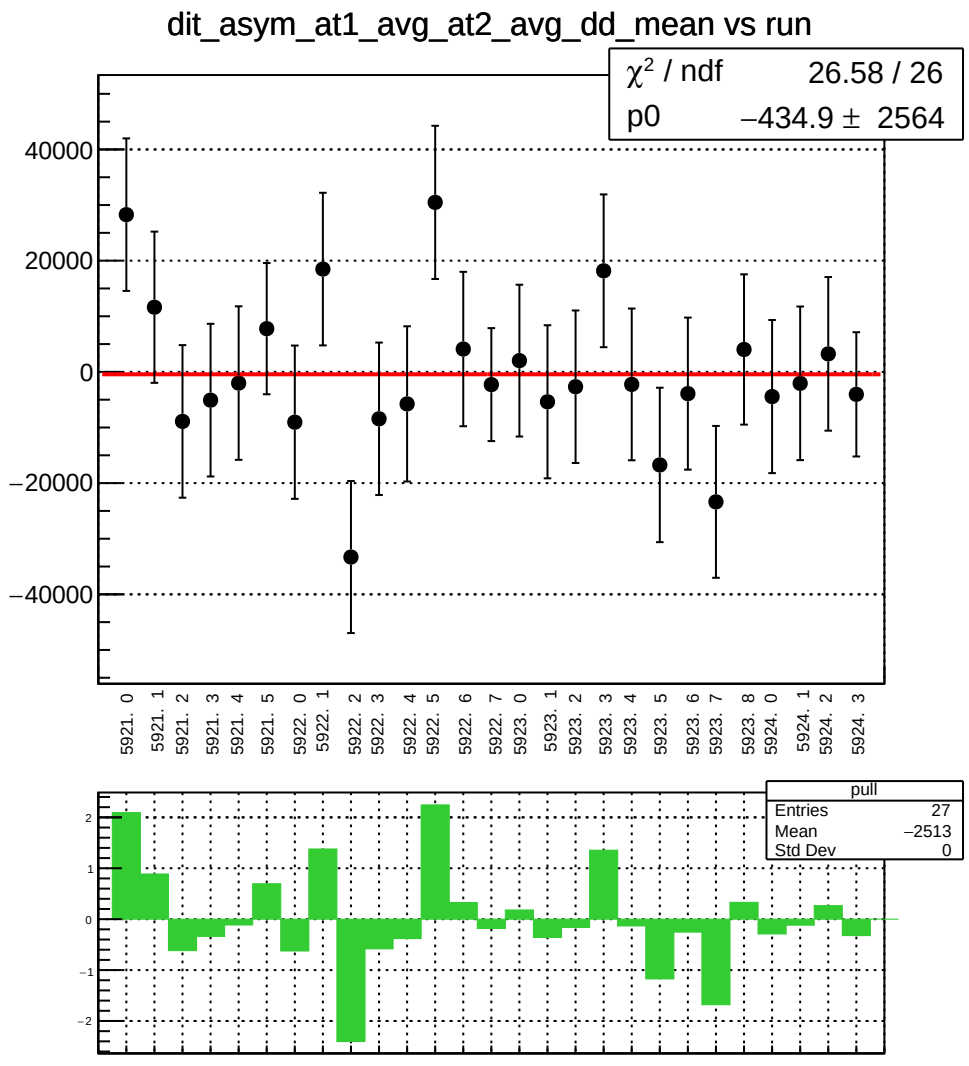

eigen_cor_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 26.5 / 26
p0 −77.27 ± 2553
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −471.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

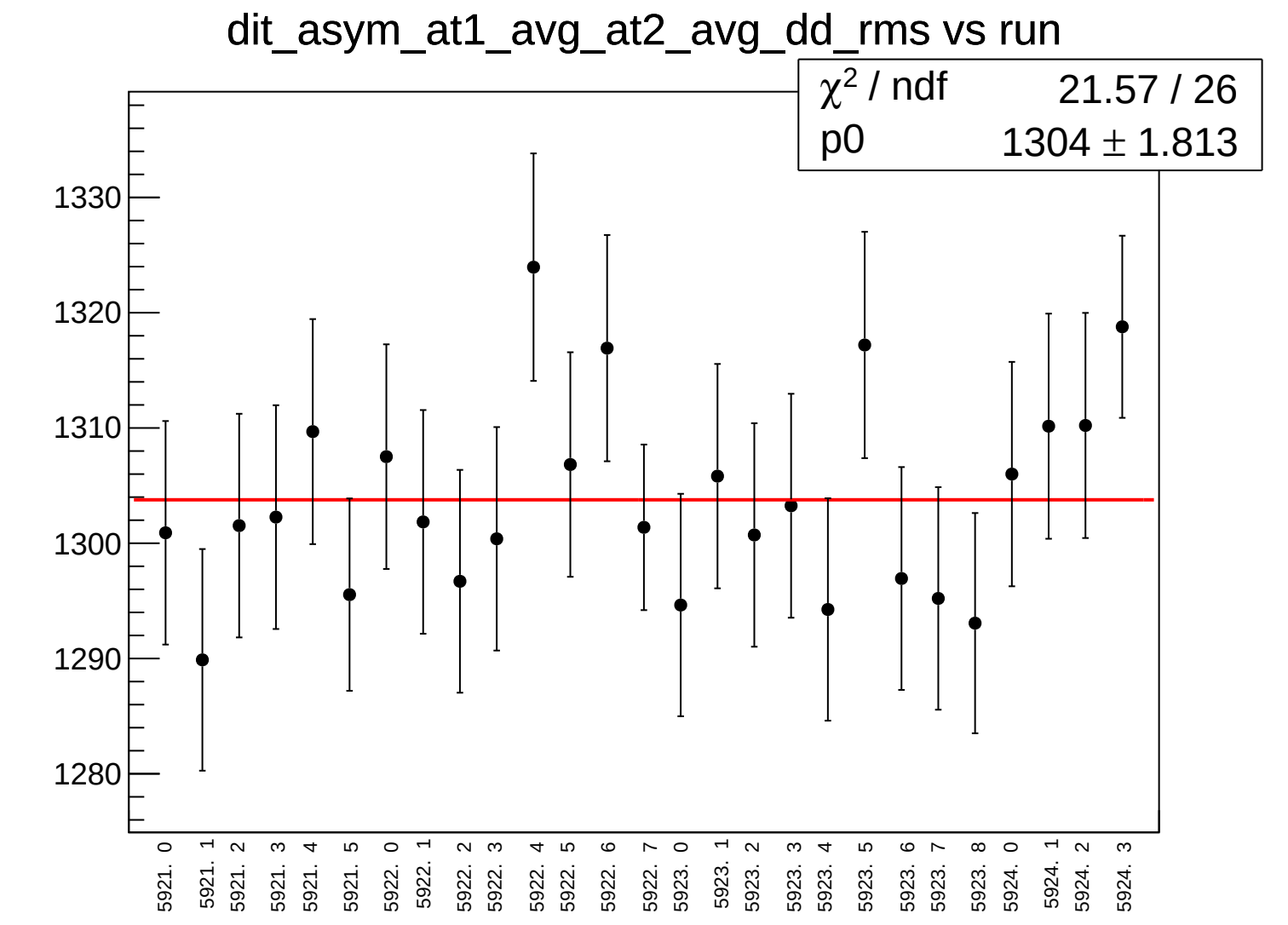

pull1D
Entries 27
Mean 0.003335
Std Dev 0.9907
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

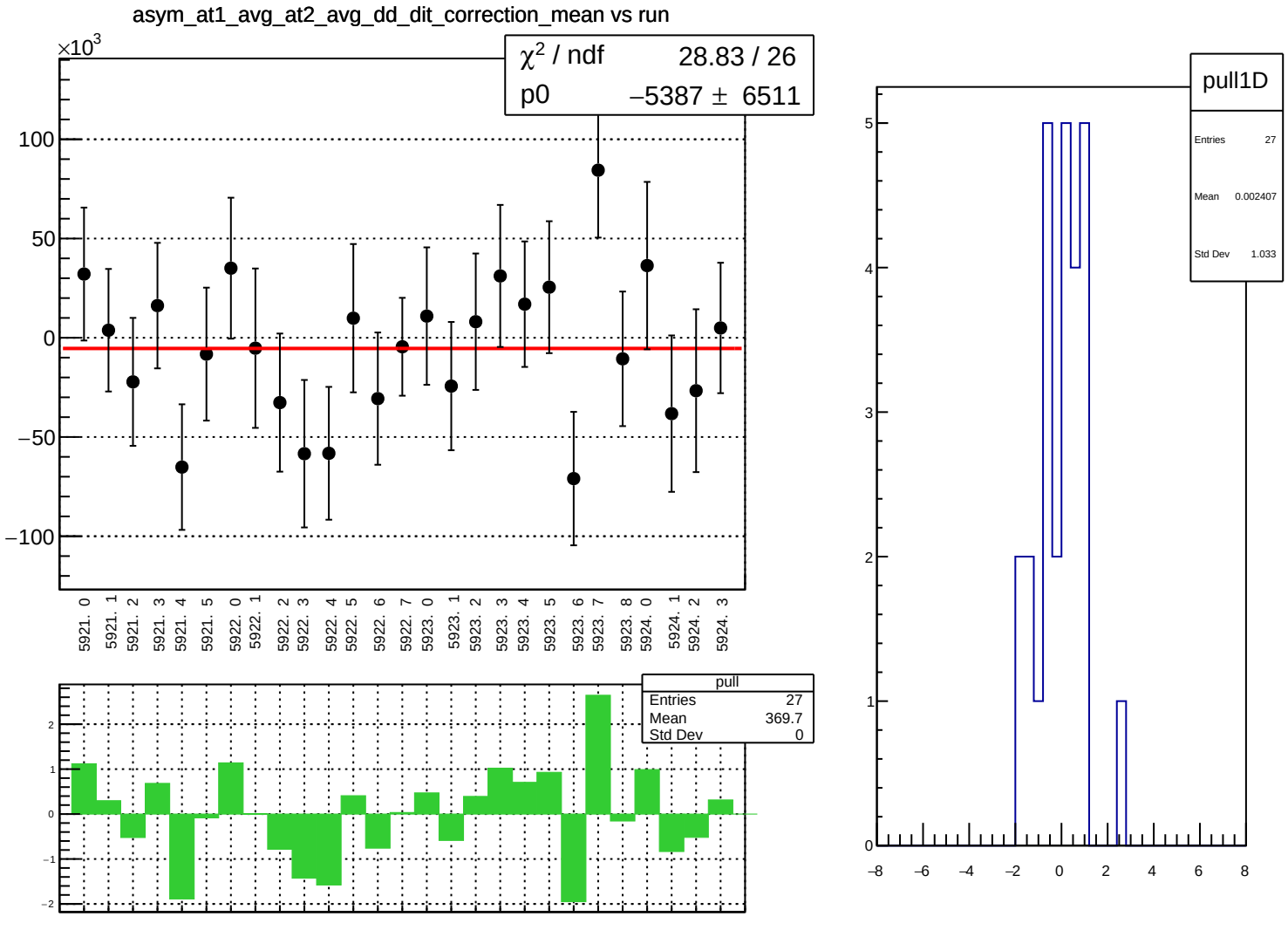

eigen_cor_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 18.64 / 26
p0 1298 ± 1.805
1330
1320
1310
1300
1290
1280
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

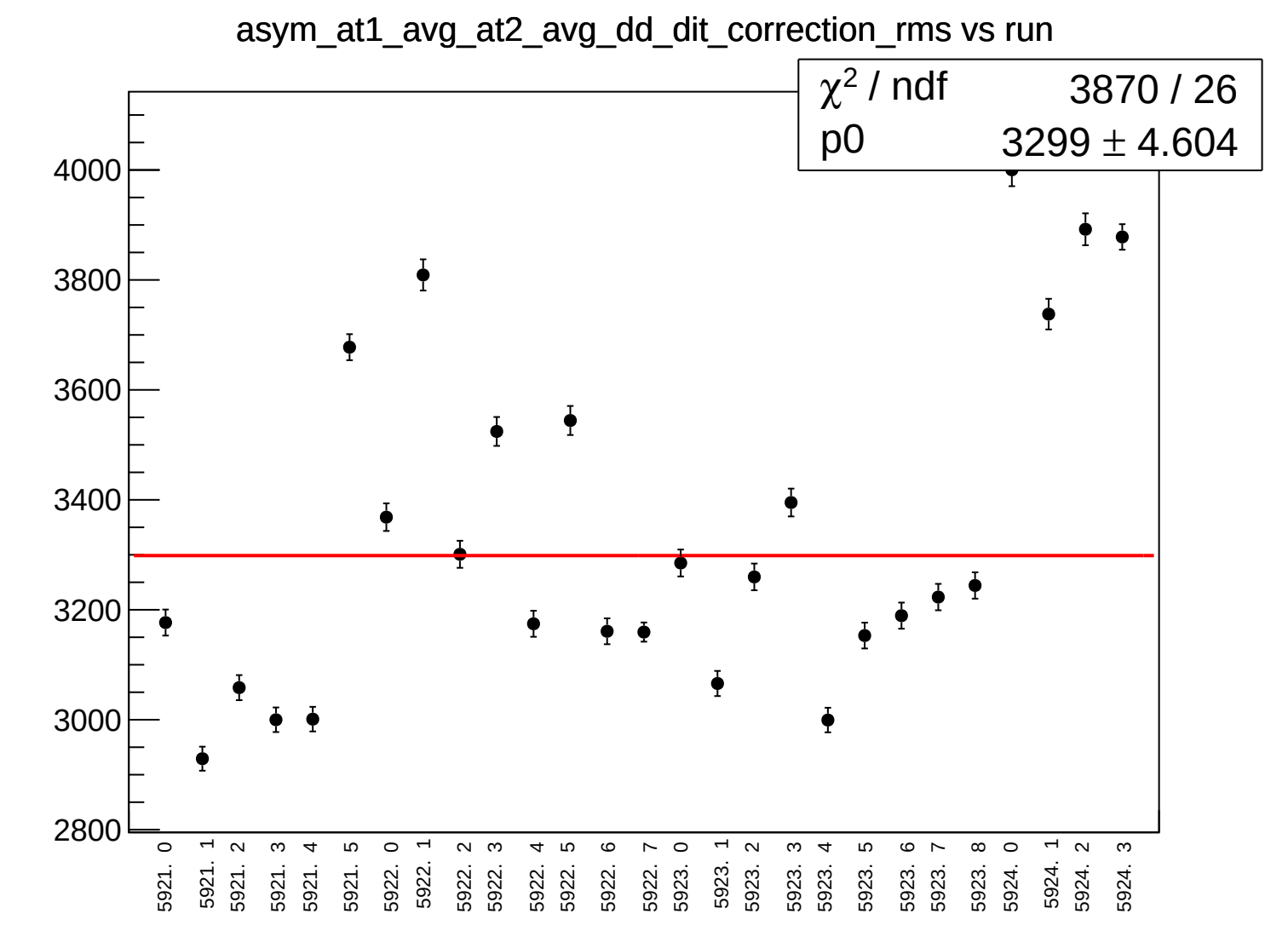

asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 28.71 / 26
p0 −5077 ± 6506
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 234
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.003982
Std Dev 1.031
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

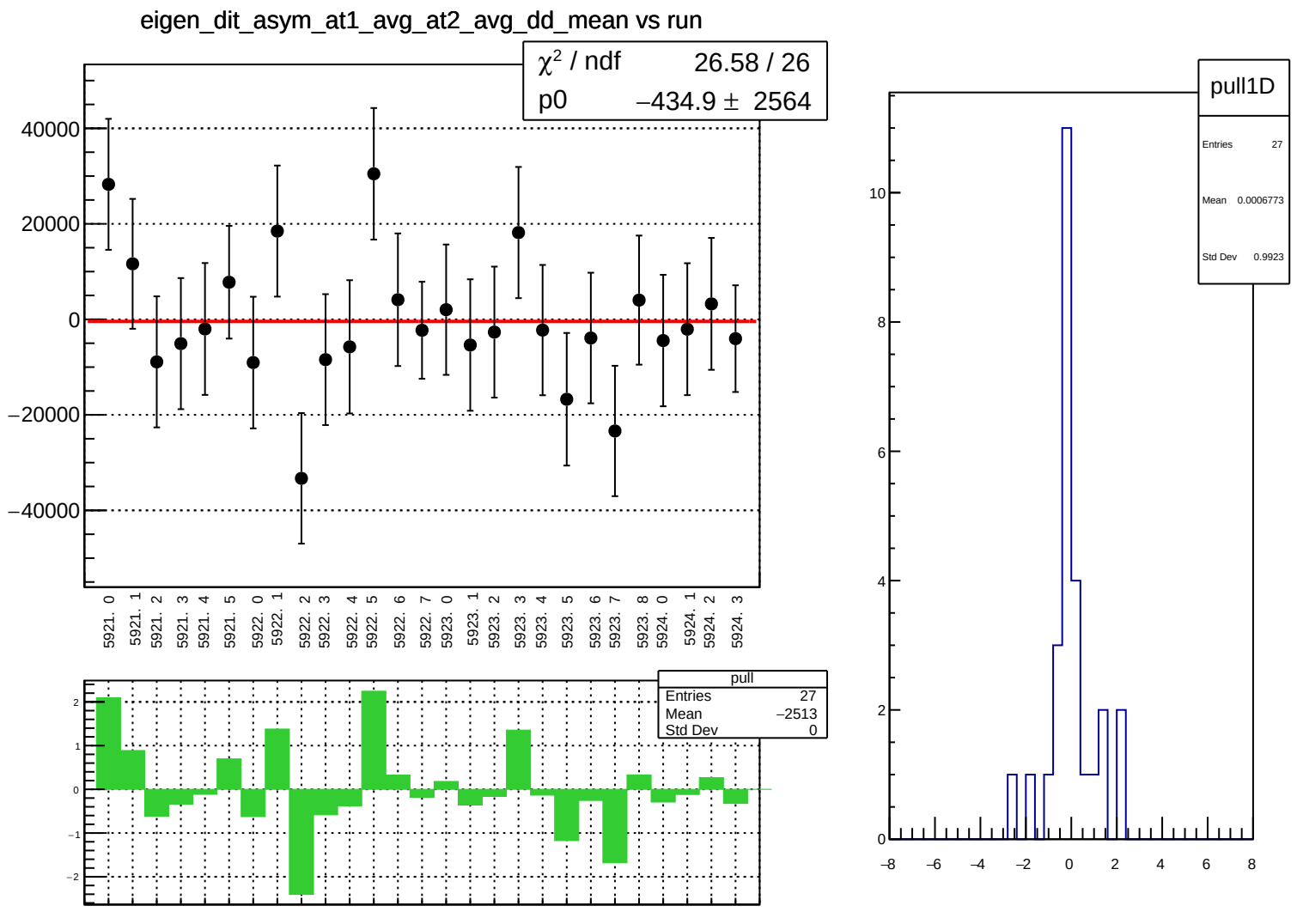

asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 3156 / 26
p0 3298 ± 4.6
4000
3800
3600
3400
3200
3000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

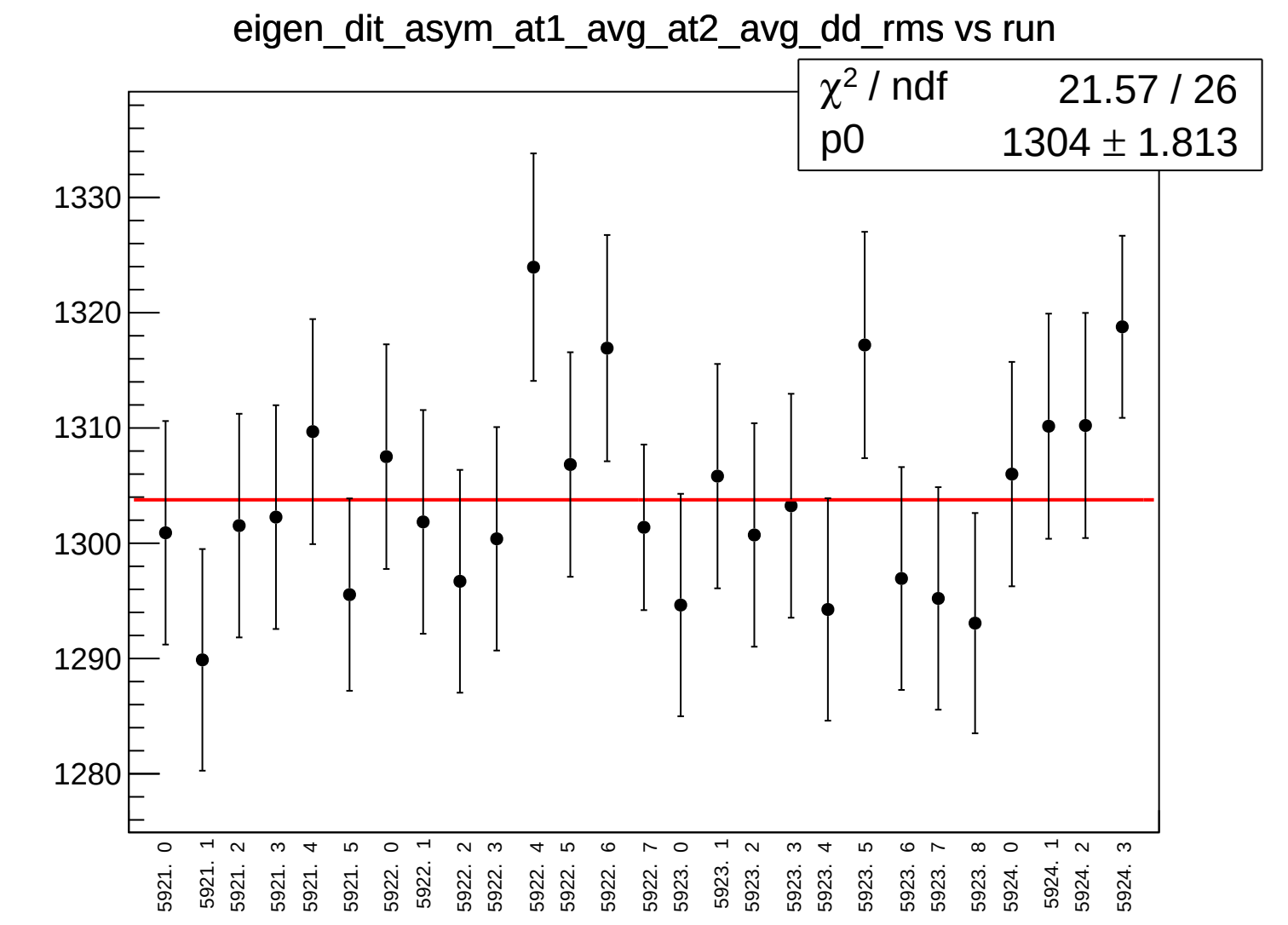

dit_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 26.58 / 26
p0 −434.9 ± 2564
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −2513
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.0006773
Std Dev 0.9923
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

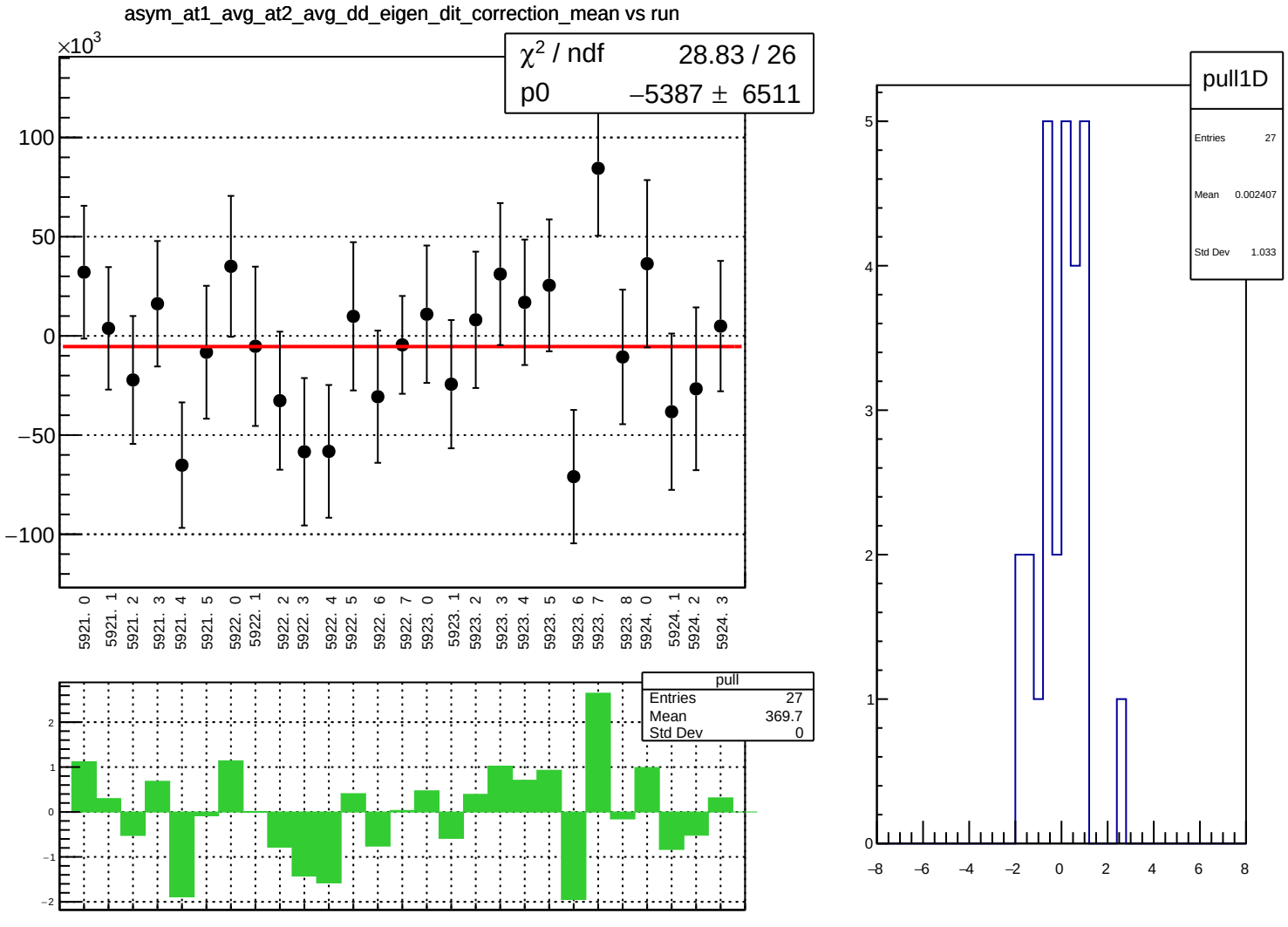

dit_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 21.57 / 26
p0 1304 ± 1.813
1330
1320
1310
1300
1290
1280
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

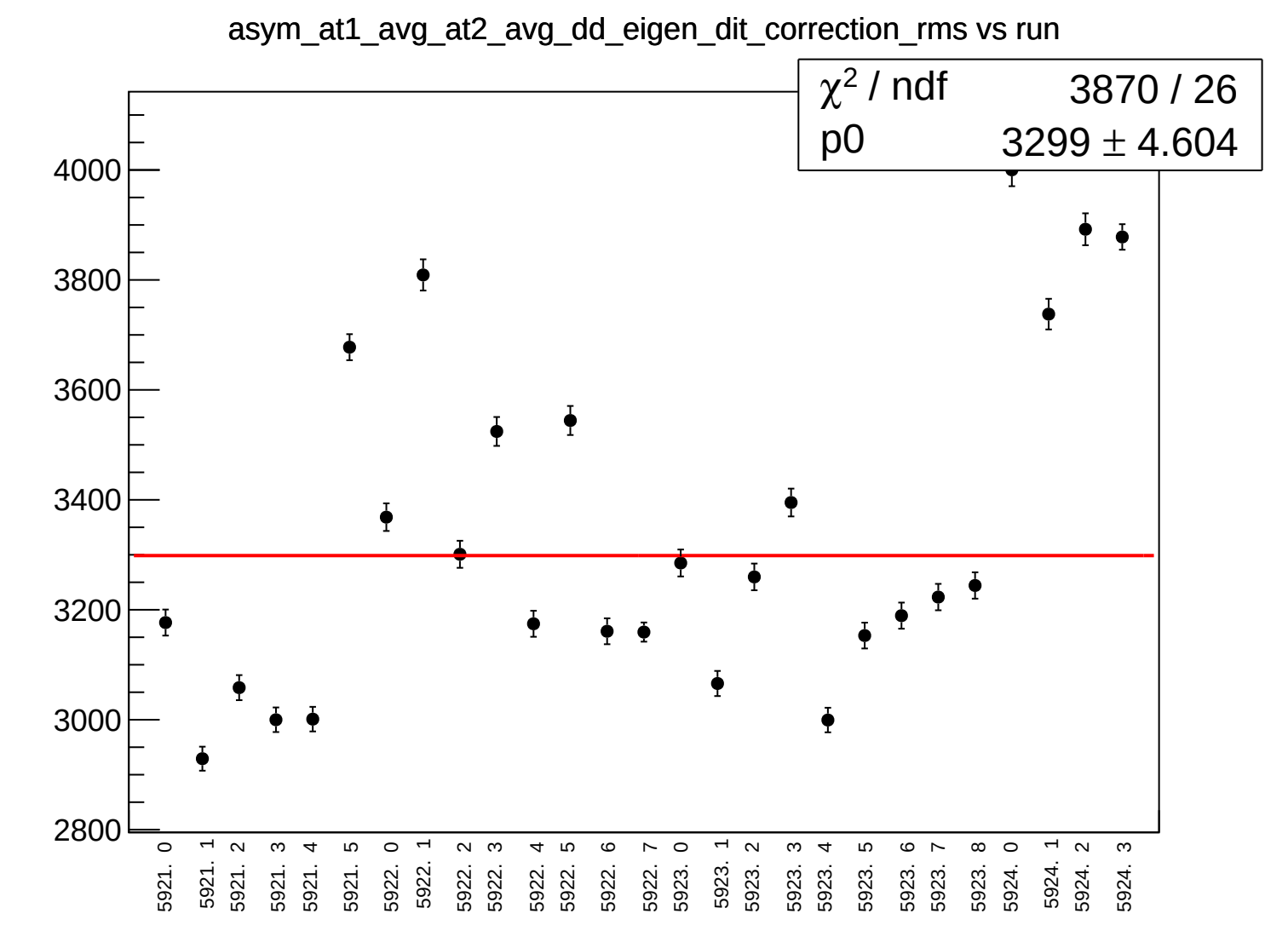

asym_at1_avg_at2_avg_dd_dit_correction_mean vs run
×10^3
χ² / ndf 28.83 / 26
p0 −5387 ± 6511
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 369.7
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.002407
Std Dev 1.033
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

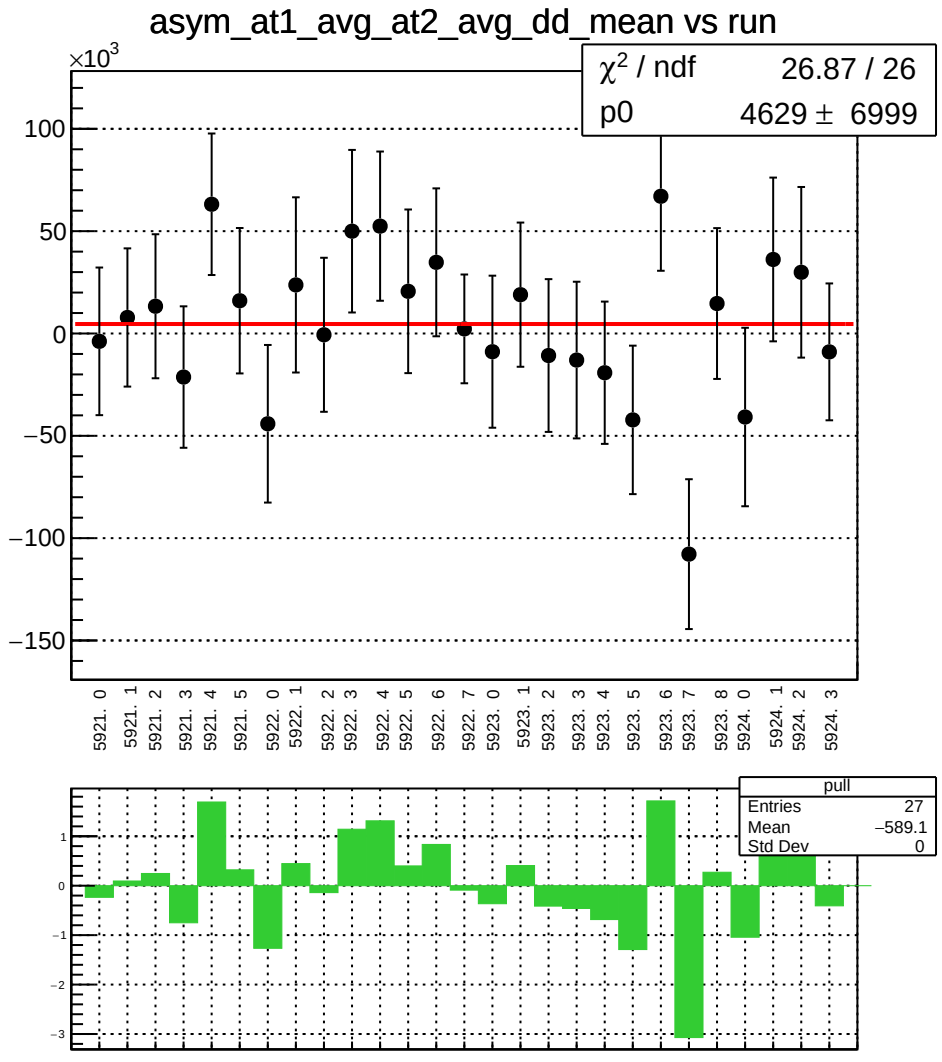

asym_at1_avg_at2_avg_dd_dit_correction_rms vs run
χ² / ndf 3870 / 26
p0 3299 ± 4.604
4000
3800
3600
3400
3200
3000
2800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

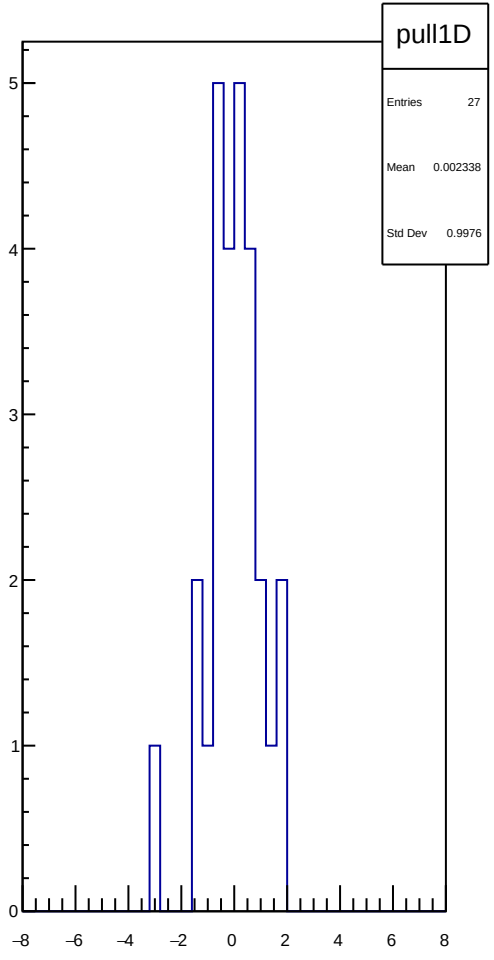

eigen_dit_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 26.58 / 26
p0 −434.9 ± 2564
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −2513
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.0006773
Std Dev 0.9923
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

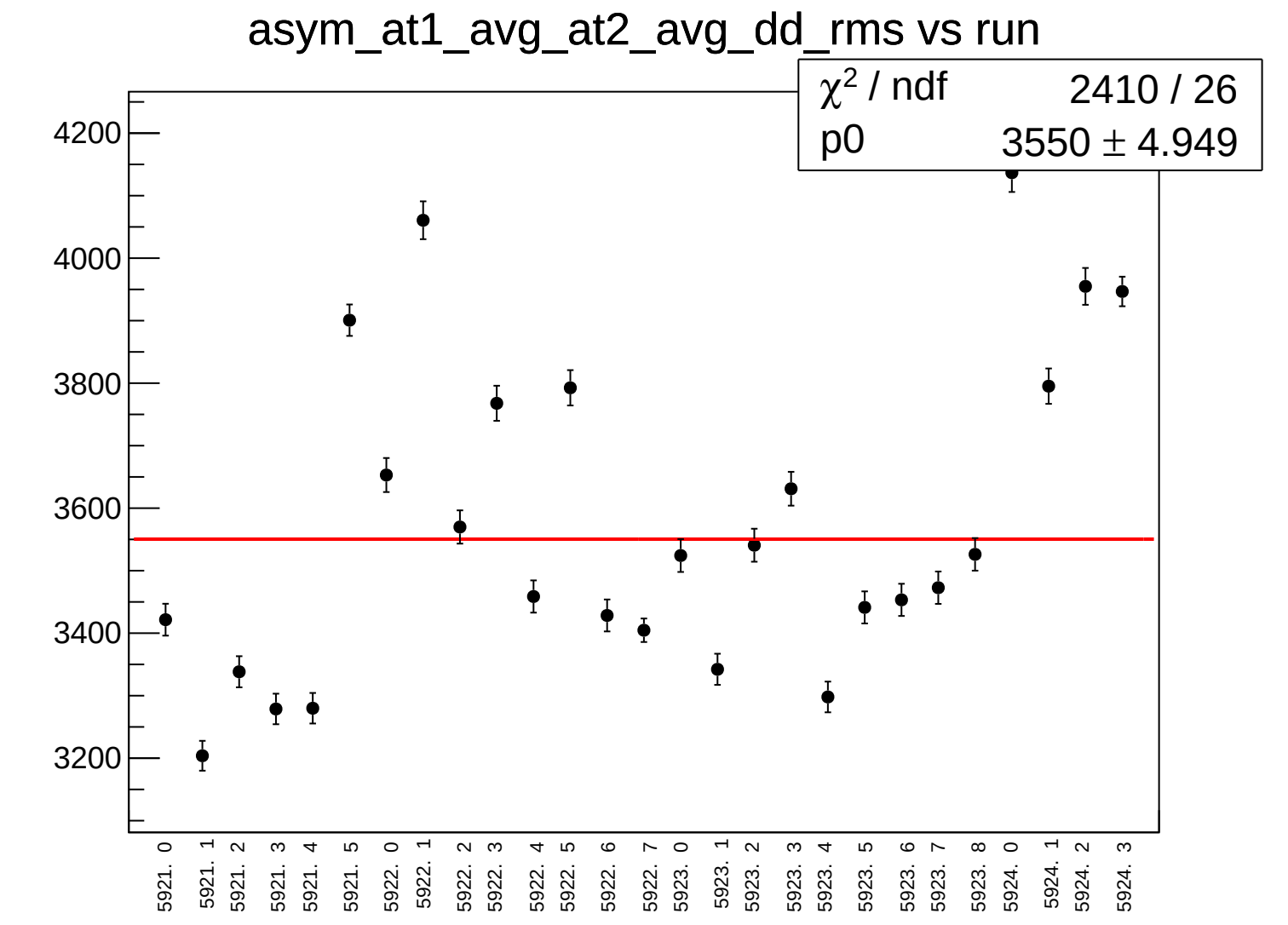

eigen_dit_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 21.57 / 26
p0 1304 ± 1.813
1330
1320
1310
1300
1290
1280
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

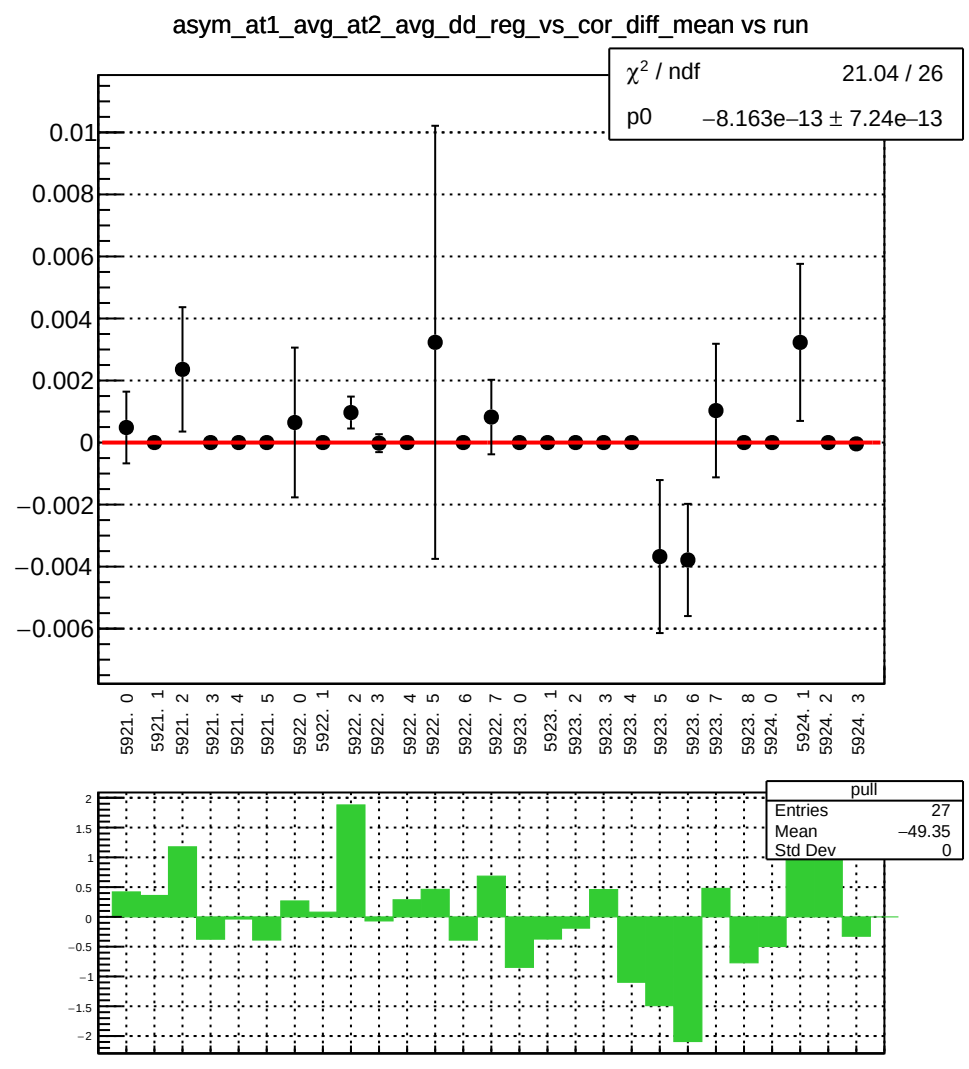

asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 28.83 / 26
p0 −5387 ± 6511
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 369.7
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.002407
Std Dev 1.033
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

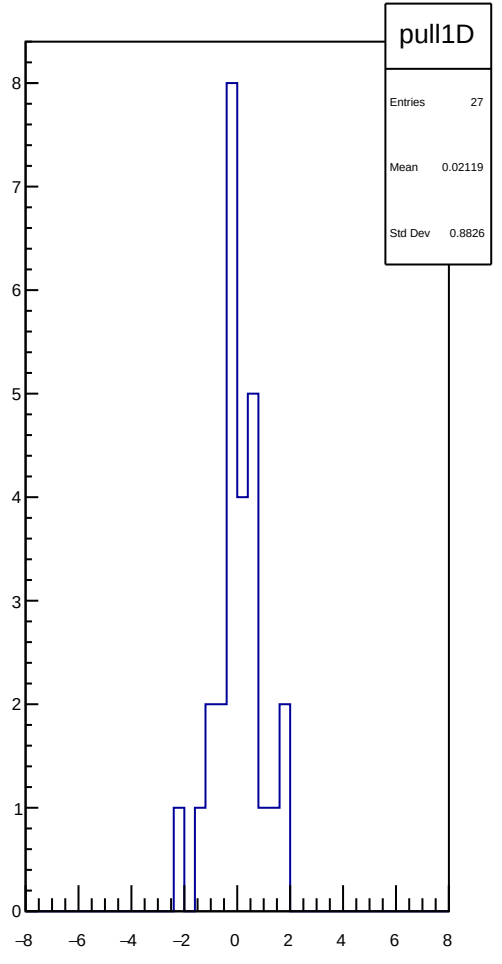

asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 3870 / 26
p0 3299 ± 4.604
4000
3800
3600
3400
3200
3000
2800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

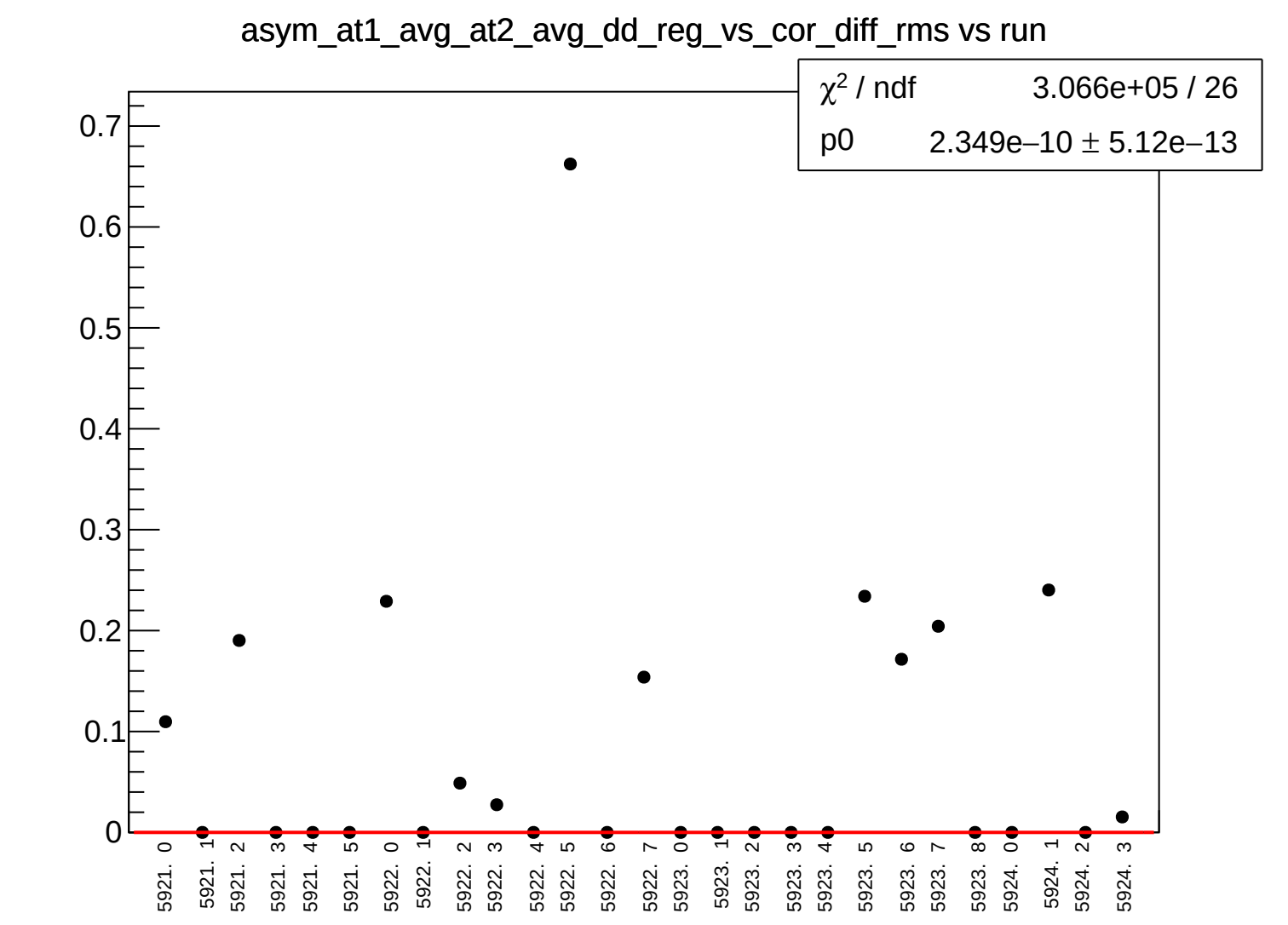

asym_at1_avg_at2_avg_dd_mean vs run
×10^3
χ² / ndf 26.87 / 26
p0 4629 ± 6999
100
50
0
−50
−100
−150
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −589.1
Std Dev 0
1
0
−1
−2
−3

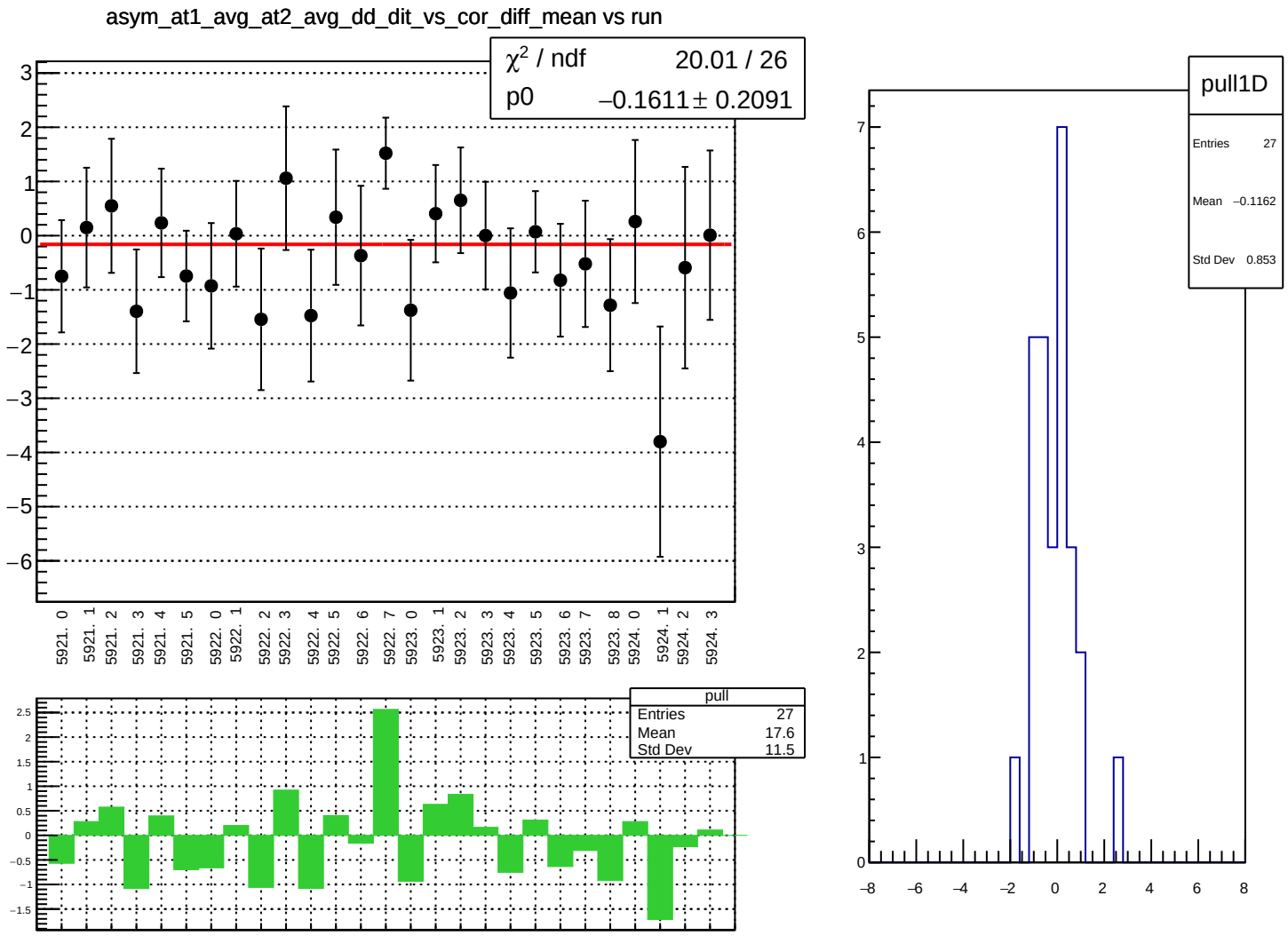

pull1D
Entries 27
Mean 0.002338
Std Dev 0.9976
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

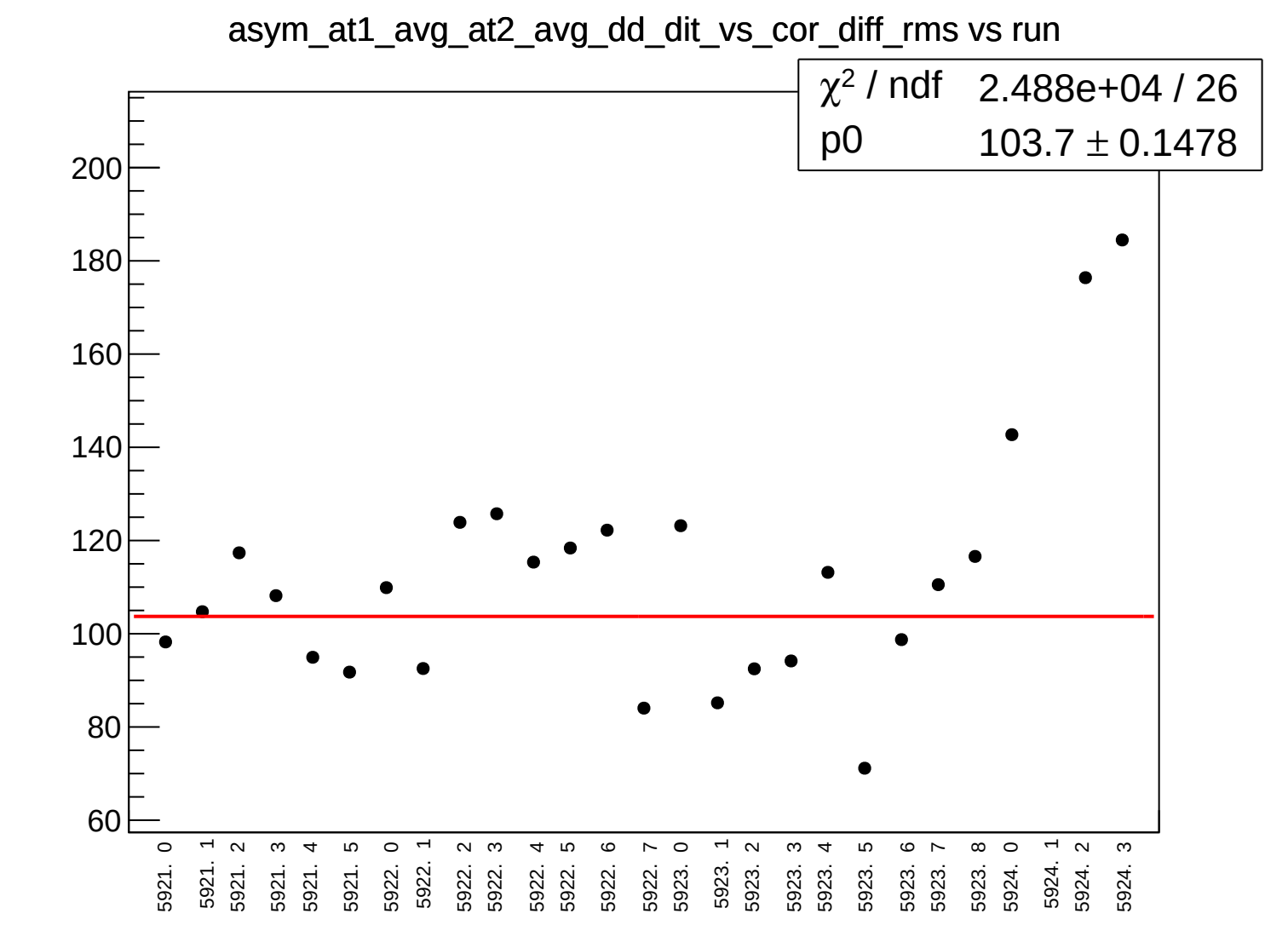

asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 2410 / 26
p0 3550 ± 4.949
4200
4000
3800
3600
3400
3200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

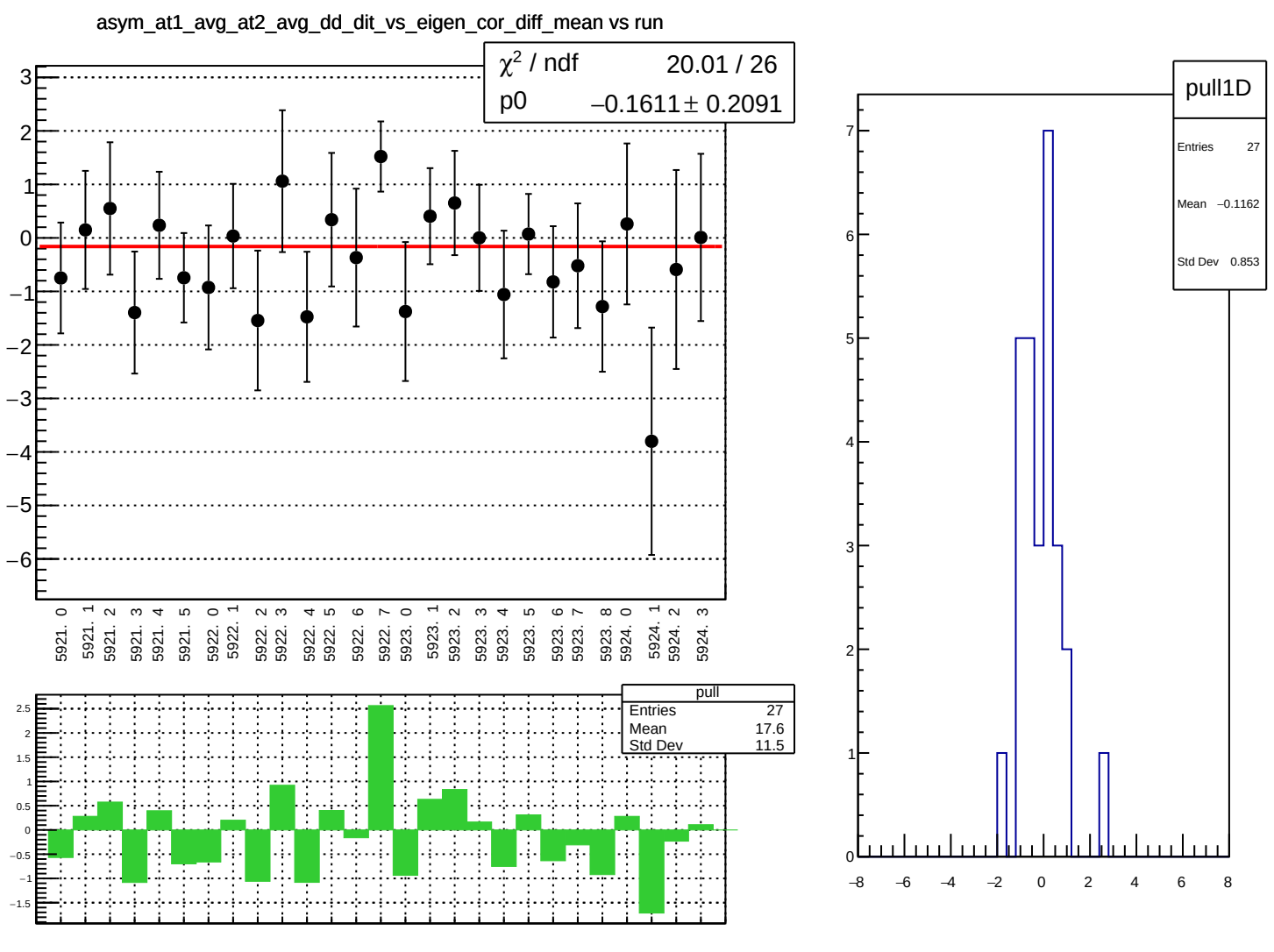

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 21.04 / 26
p0 −8.163e−13 ± 7.24e−13
0.01
0.008
0.006
0.004
0.002
0
−0.002
−0.004
−0.006
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −49.35
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

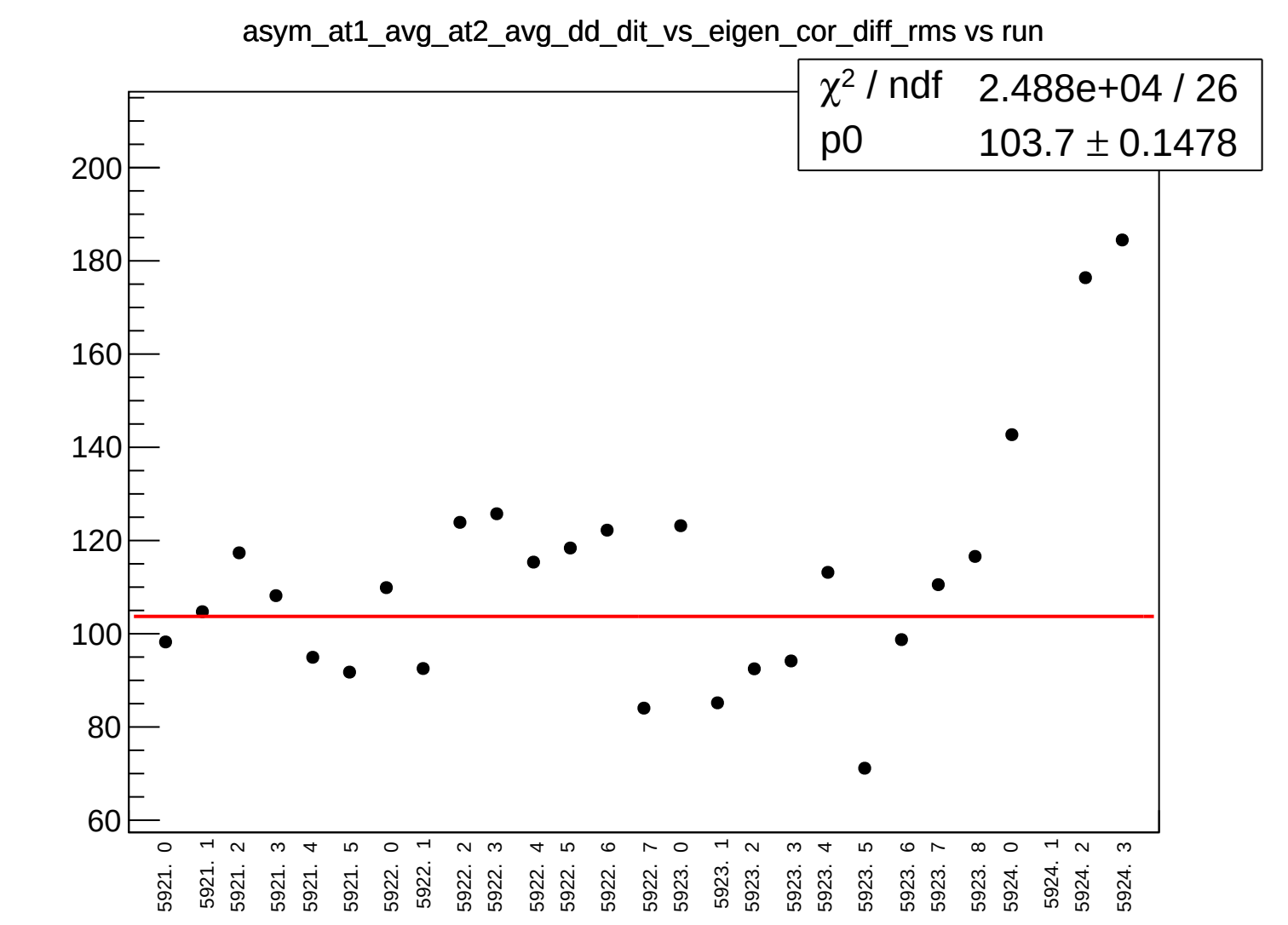

pull1D
Entries 27
Mean 0.02119
Std Dev 0.8826
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

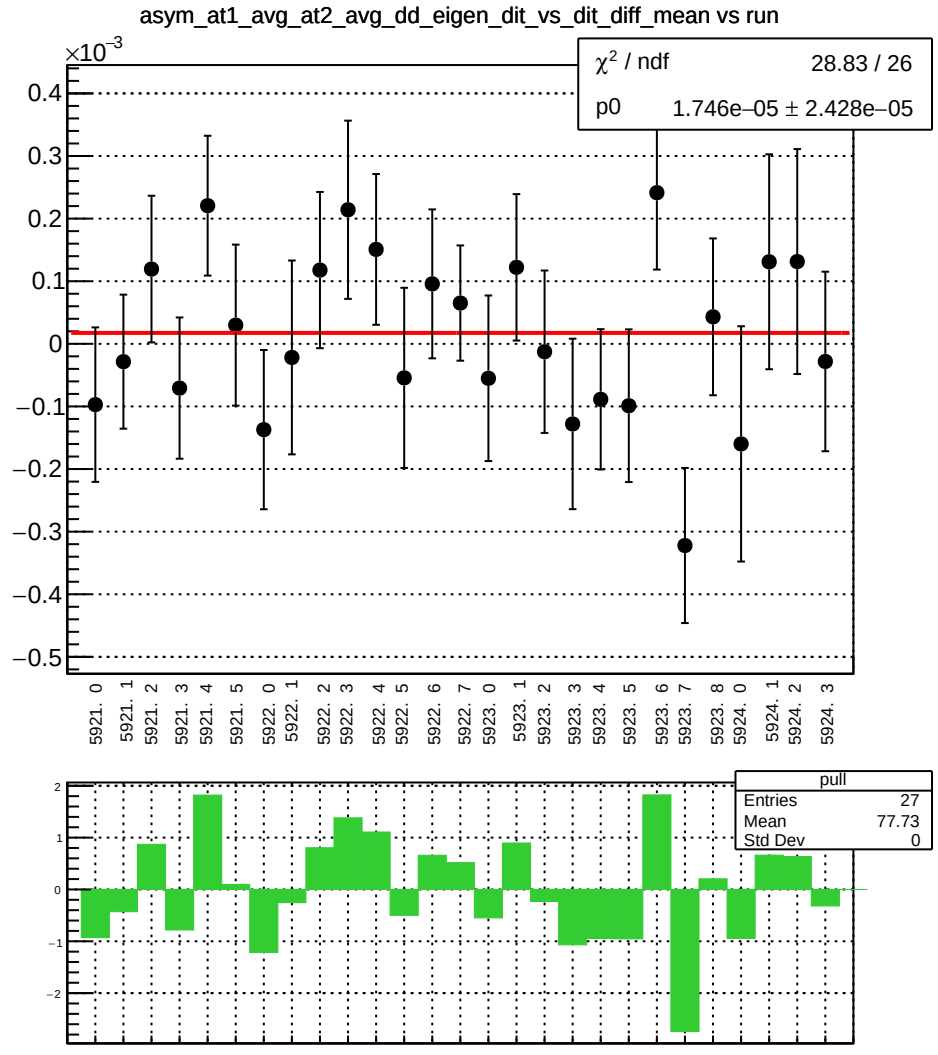

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.066e+05 / 26
p0 2.349e−10 ± 5.12e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

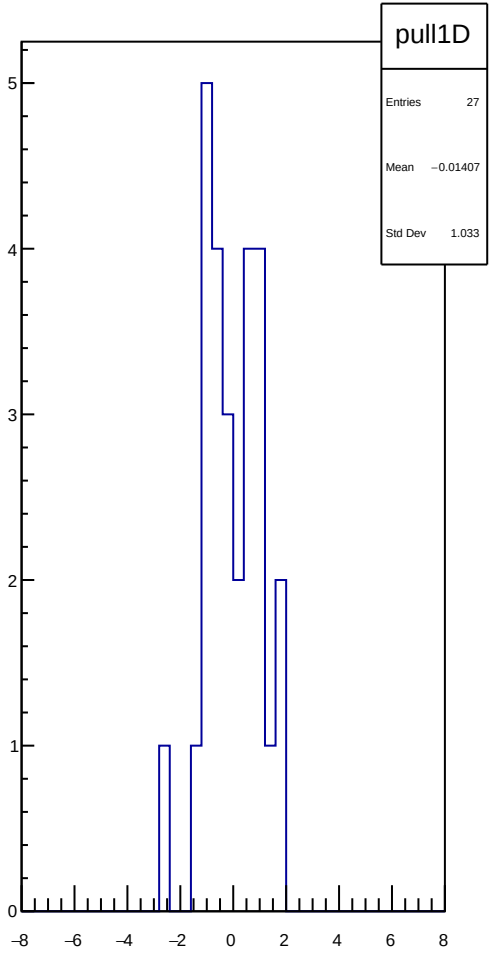

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 20.01 / 26
p0 −0.1611 ± 0.2091
pull
Entries 27
Mean 17.6
Std Dev 11.5
pull1D
Entries 27
Mean −0.1162
Std Dev 0.853

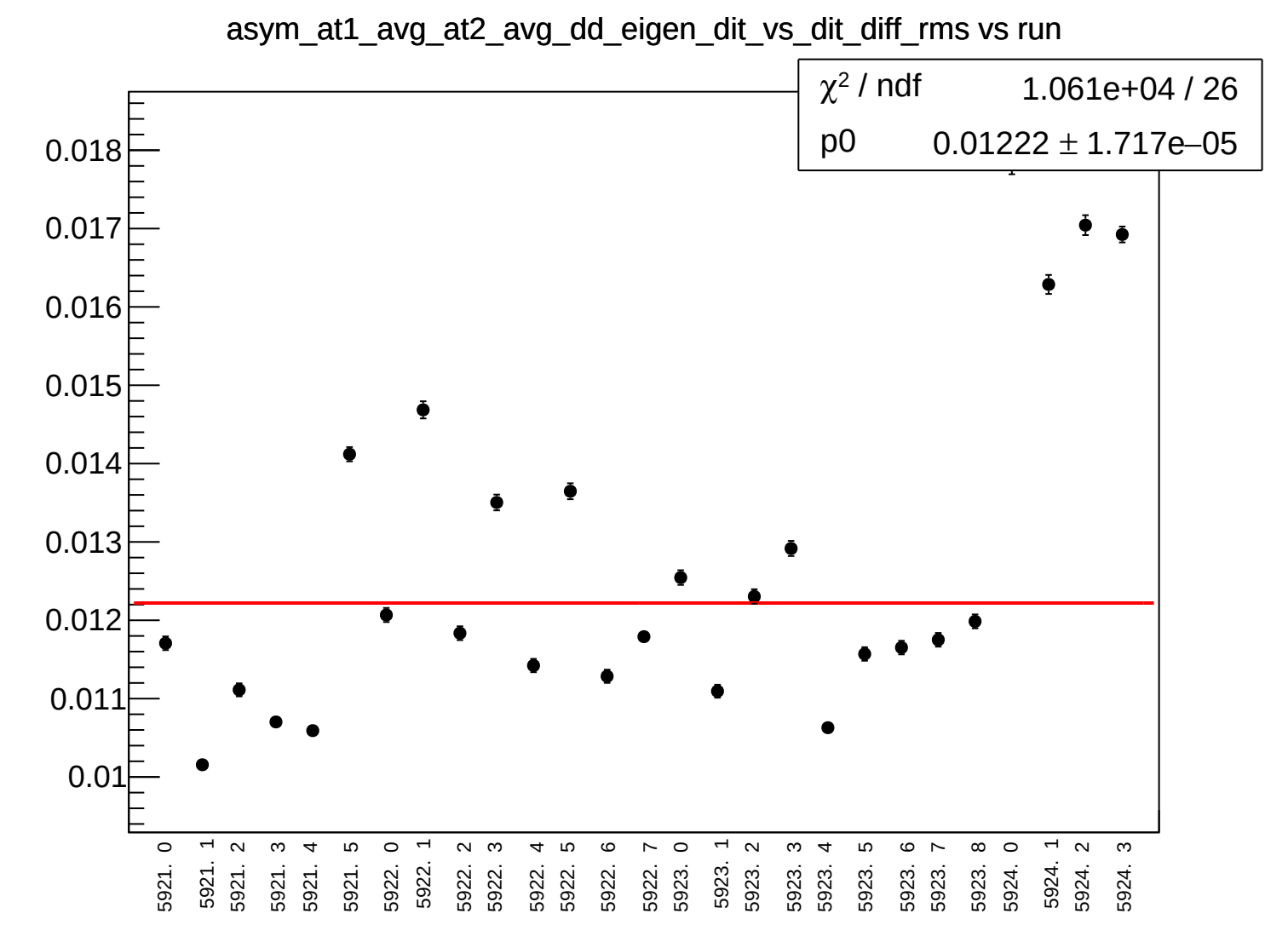

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.488e+04 / 26
p0 103.7 ± 0.1478
200
180
160
140
120
100
80
60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

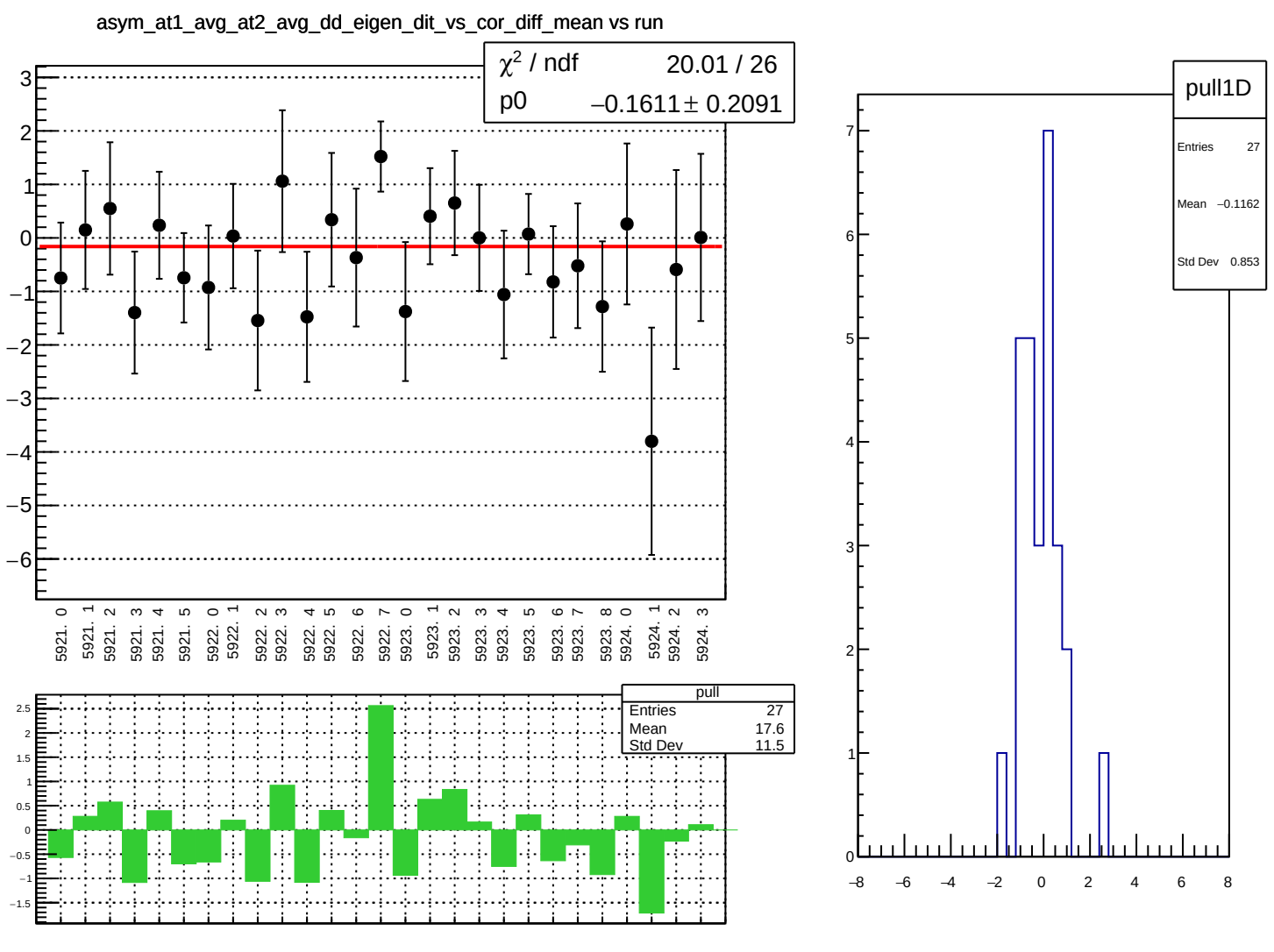

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 20.01 / 26
p0 −0.1611 ± 0.2091
pull
Entries 27
Mean 17.6
Std Dev 11.5
pull1D
Entries 27
Mean −0.1162
Std Dev 0.853

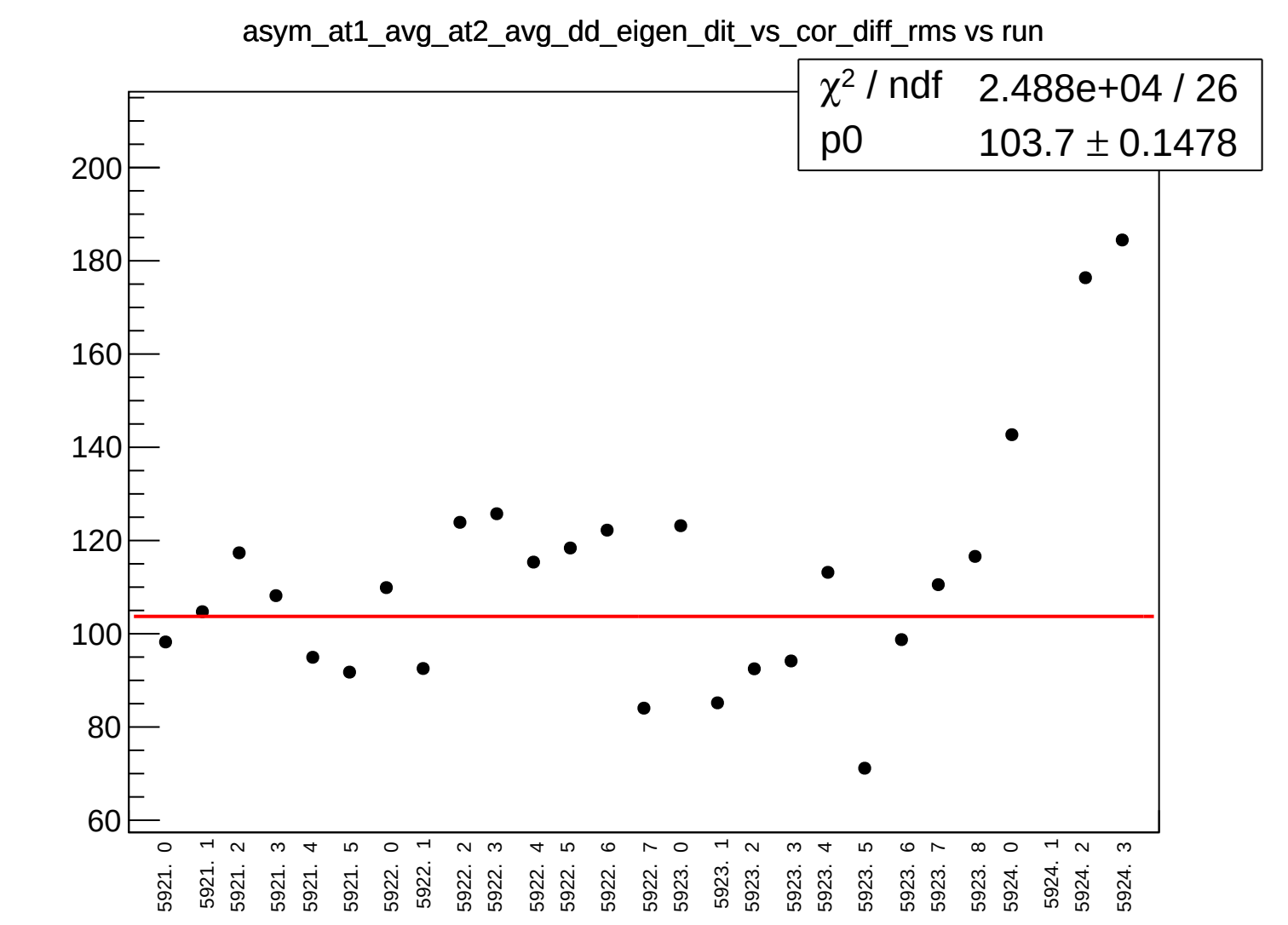

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.488e+04 / 26
p0 103.7 ± 0.1478
200
180
160
140
120
100
80
60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

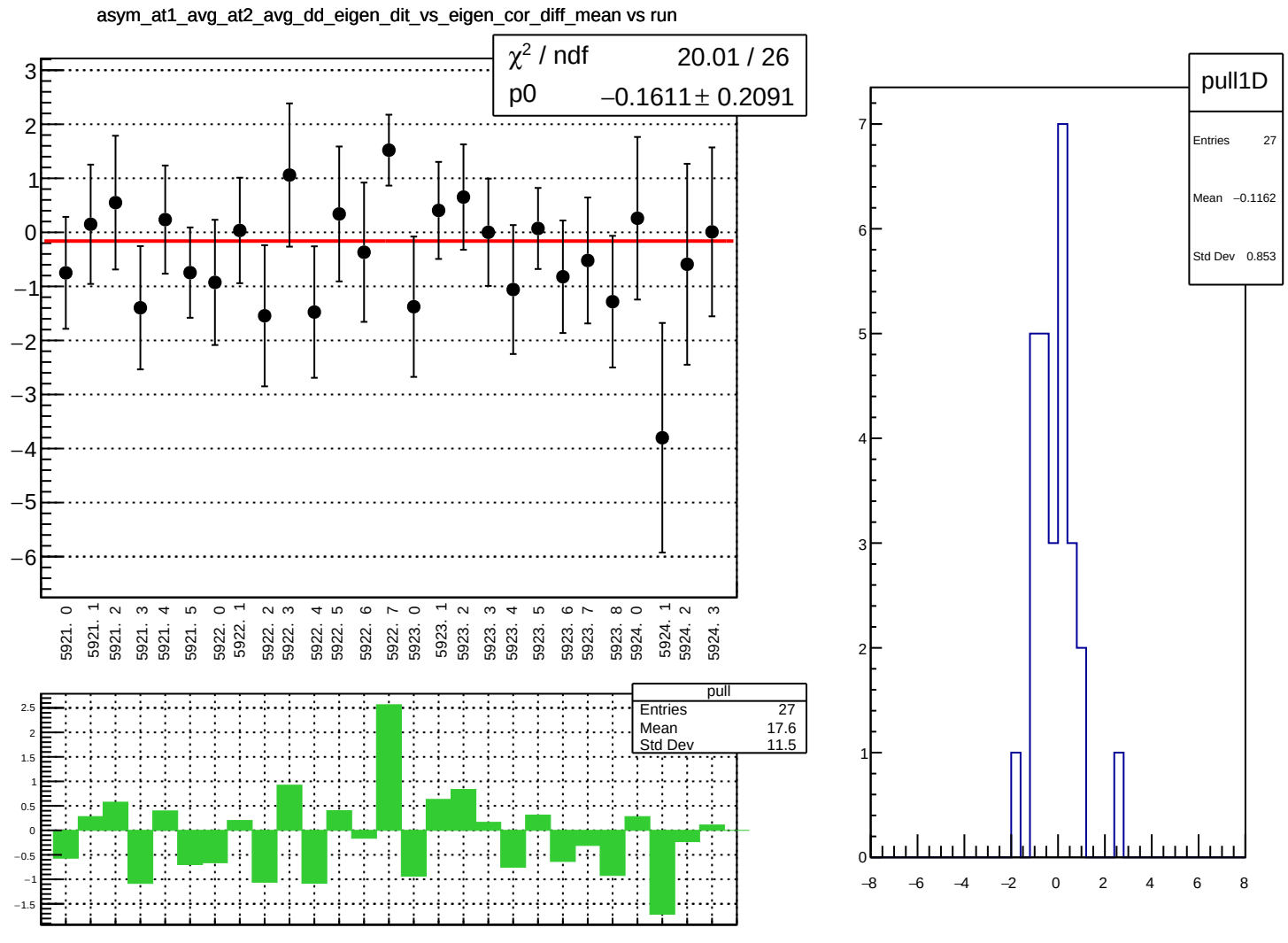

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 28.83 / 26
p0 1.746e−05 ± 2.428e−05
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 77.73
Std Dev 0
2
1
0
−1
−2

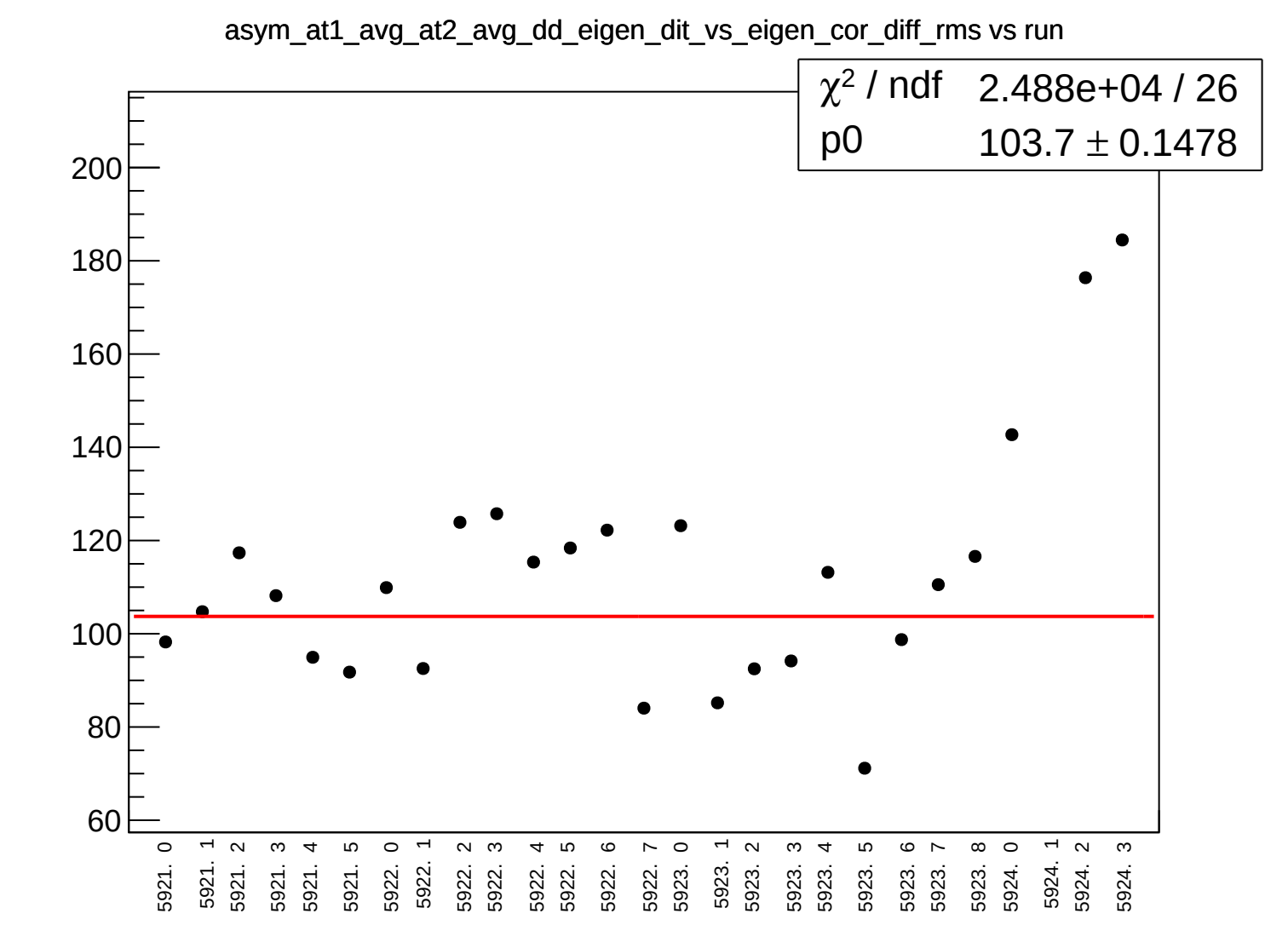

pull1D
Entries 27
Mean −0.01407
Std Dev 1.033
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

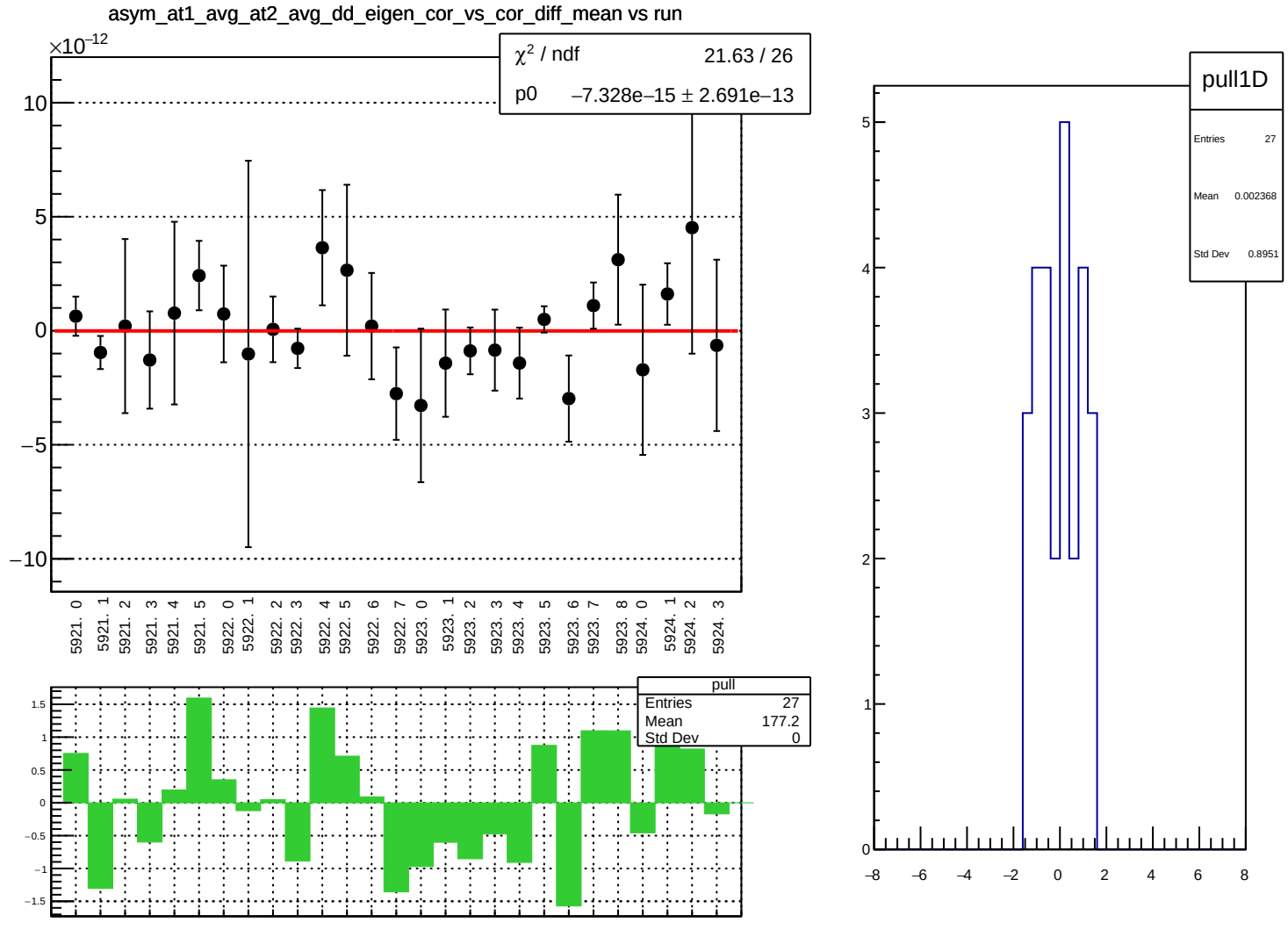

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.061e+04 / 26
p0 0.01222 ± 1.717e–05
0.018
0.017
0.016
0.015
0.014
0.013
0.012
0.011
0.01
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

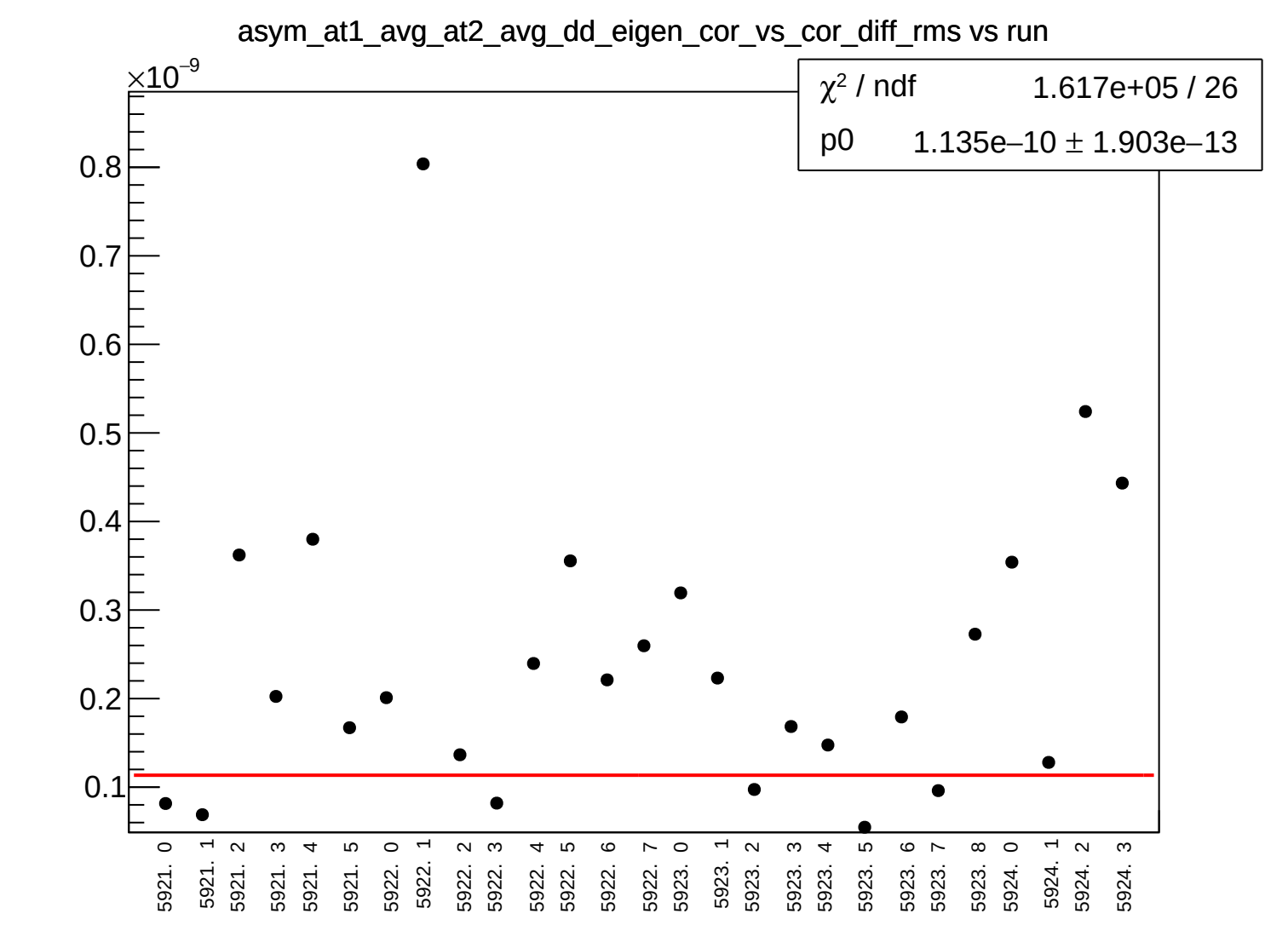

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 20.01 / 26
p0 −0.1611 ± 0.2091
pull
Entries 27
Mean 17.6
Std Dev 11.5
pull1D
Entries 27
Mean −0.1162
Std Dev 0.853

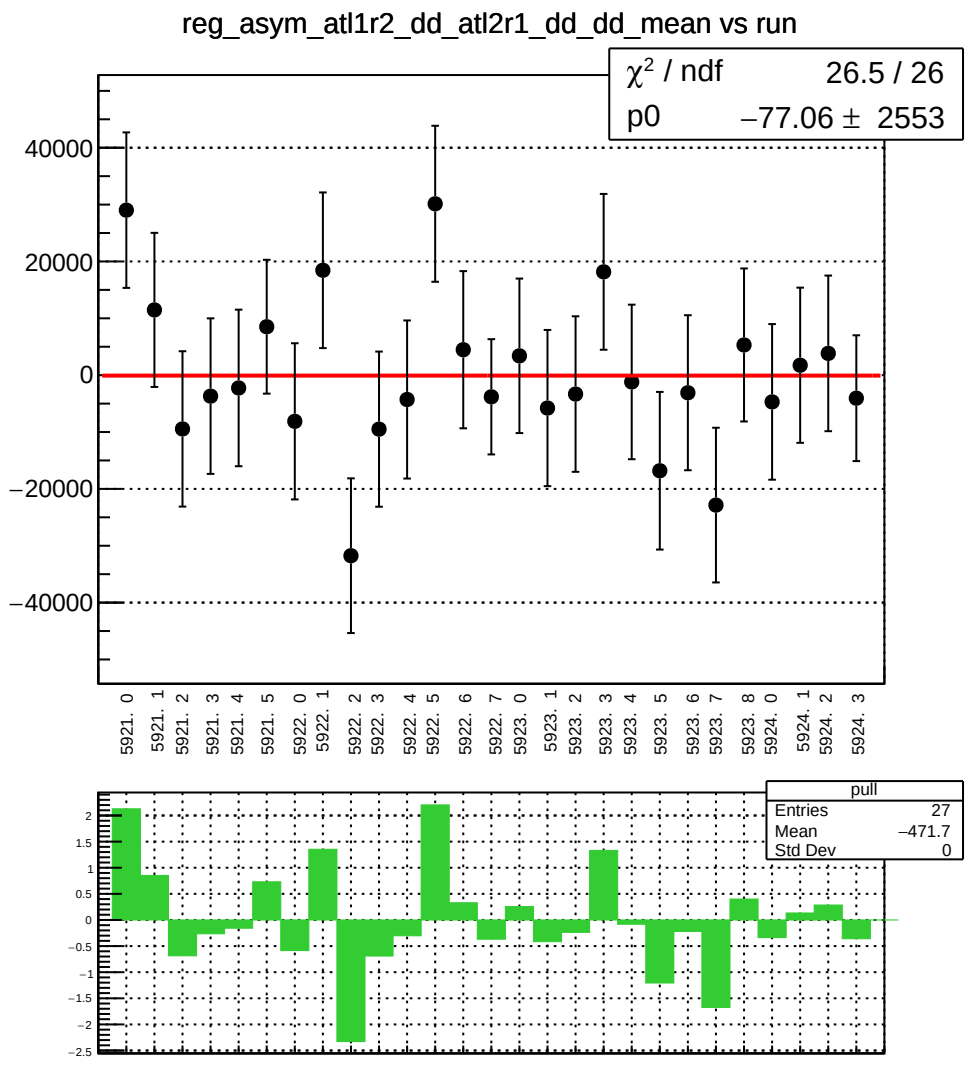

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.488e+04 / 26
p0 103.7 ± 0.1478
200
180
160
140
120
100
80
60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

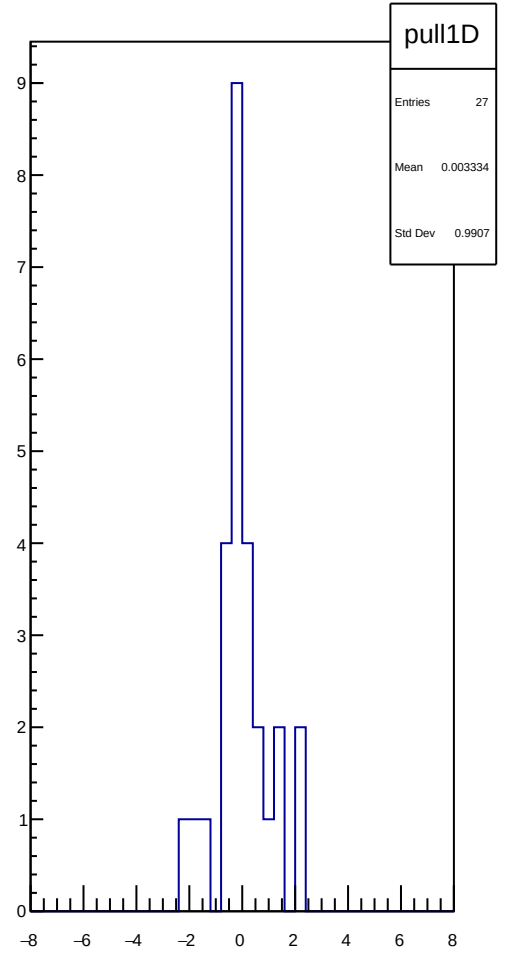

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 20.01 / 26
p0 −0.1611 ± 0.2091
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 17.6
Std Dev 11.5
pull1D
Entries 27
Mean −0.1162
Std Dev 0.853

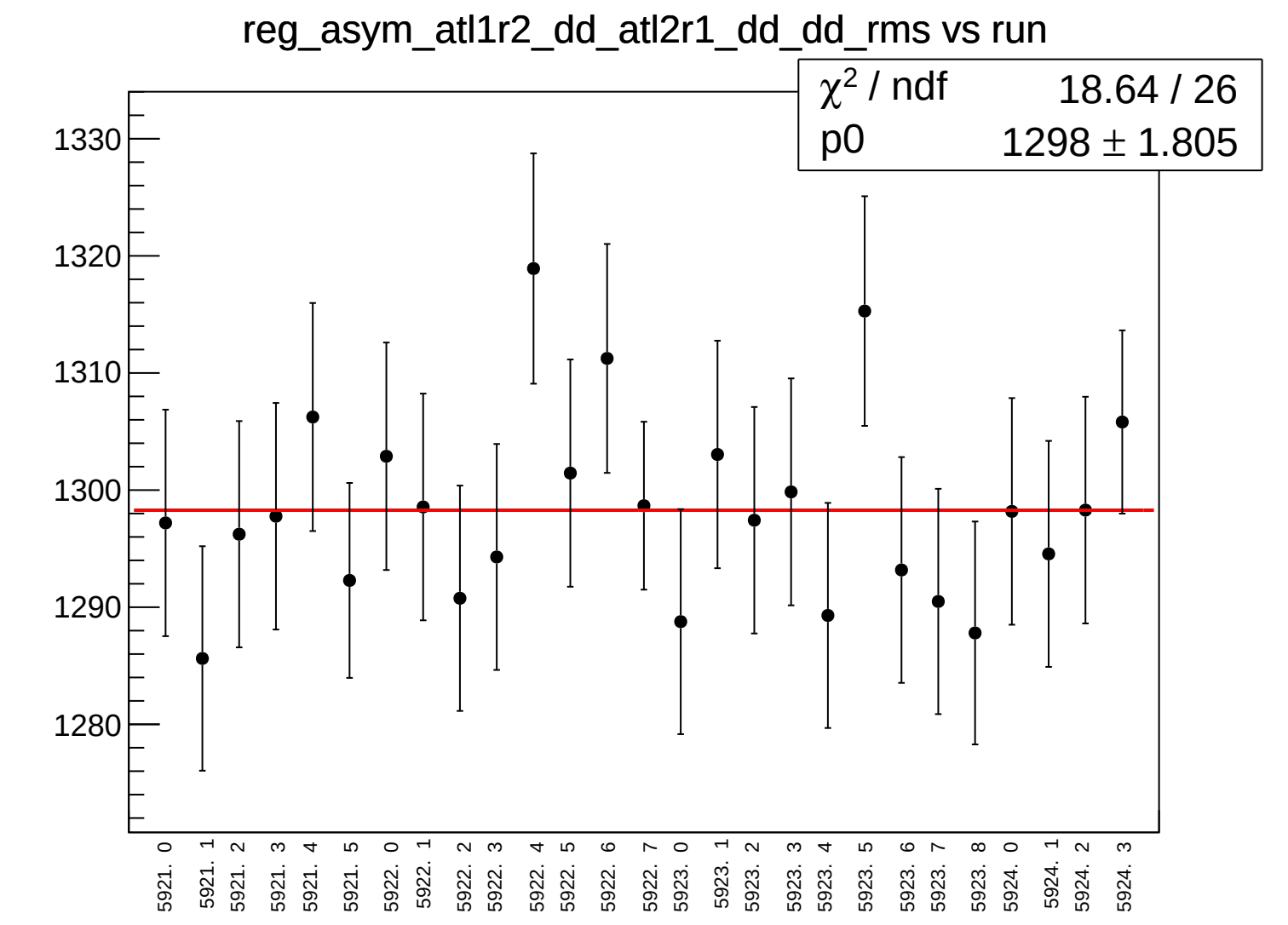

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.488e+04 / 26
p0 103.7 ± 0.1478
200
180
160
140
120
100
80
60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

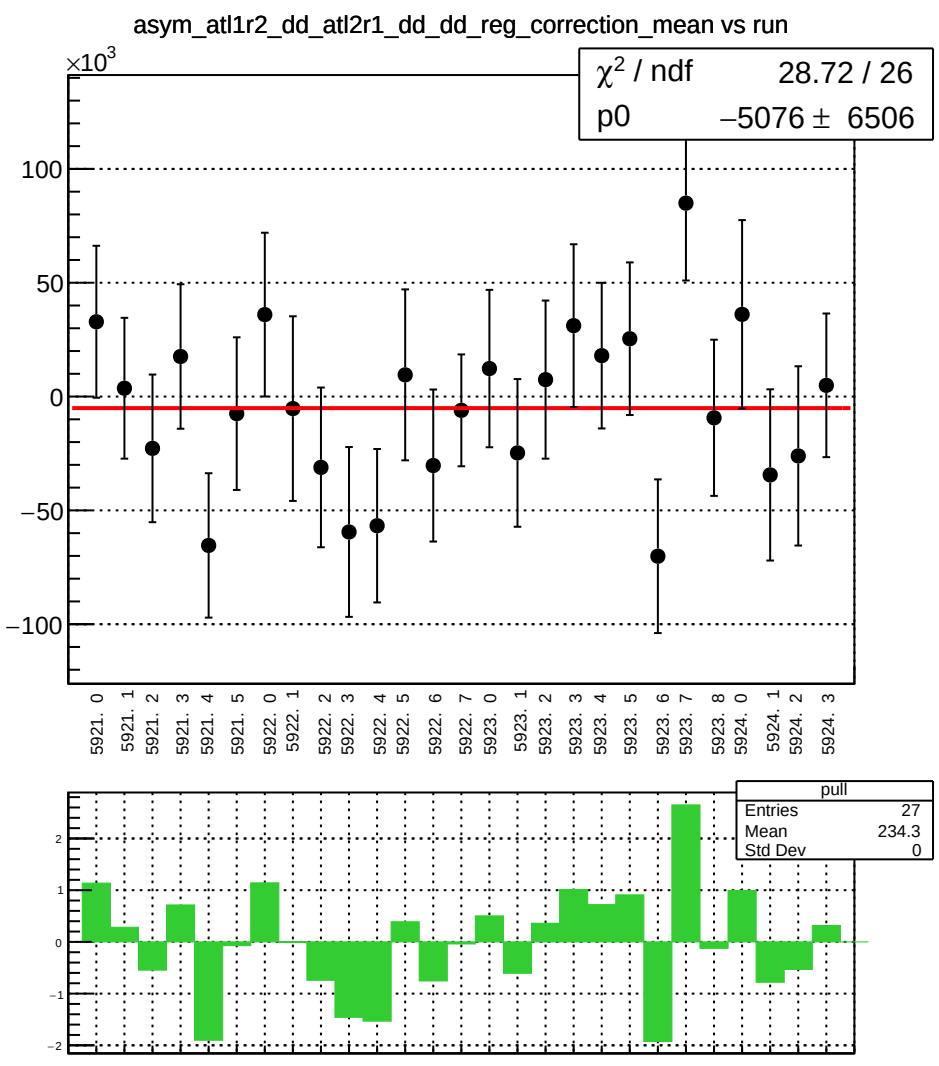

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 21.63 / 26
p0 −7.328e−15 ± 2.691e−13
10
5
0
−5
−10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 177.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.002368
Std Dev 0.8951
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

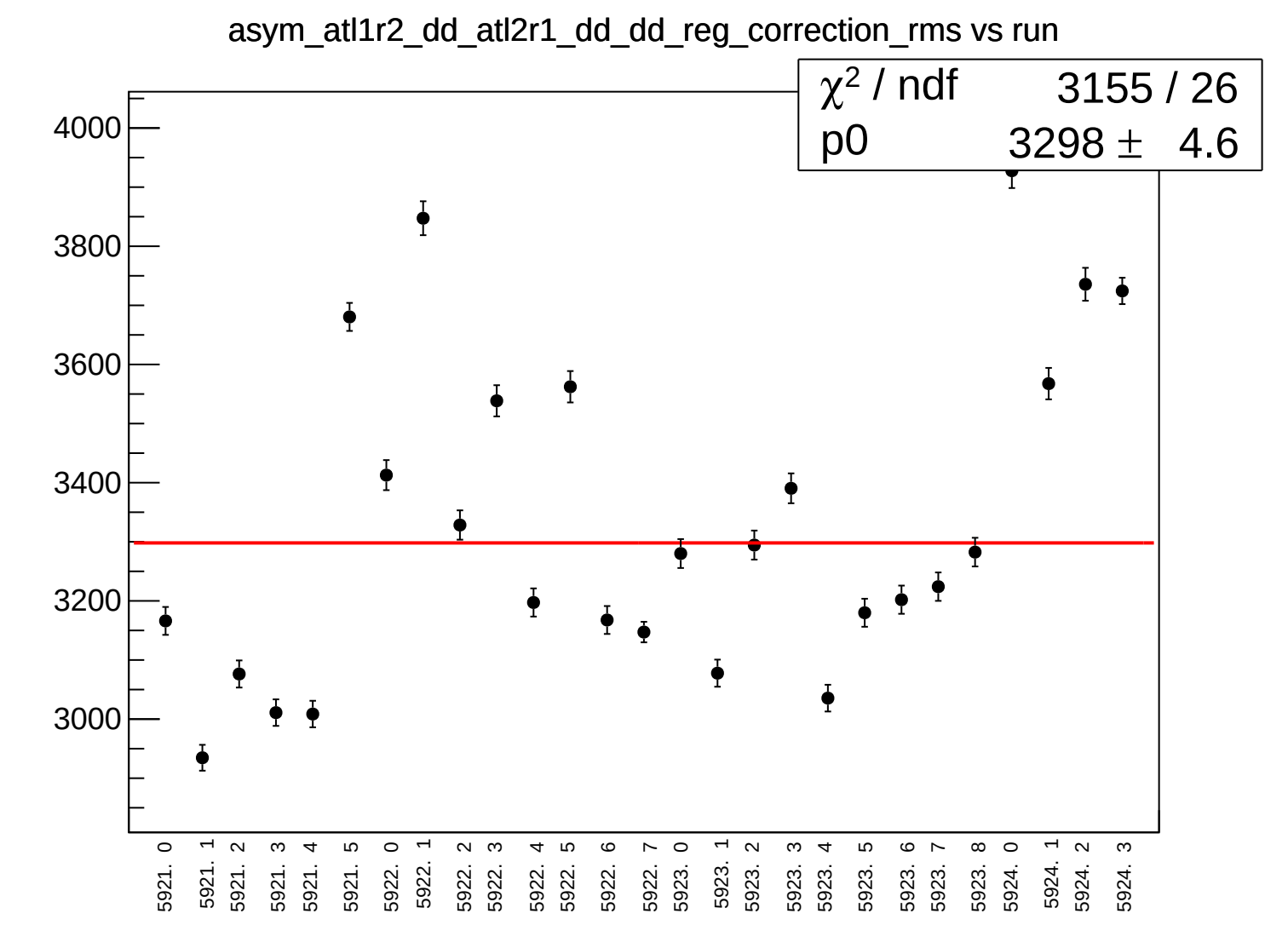

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.617e+05 / 26
p0 1.135e−10 ± 1.903e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

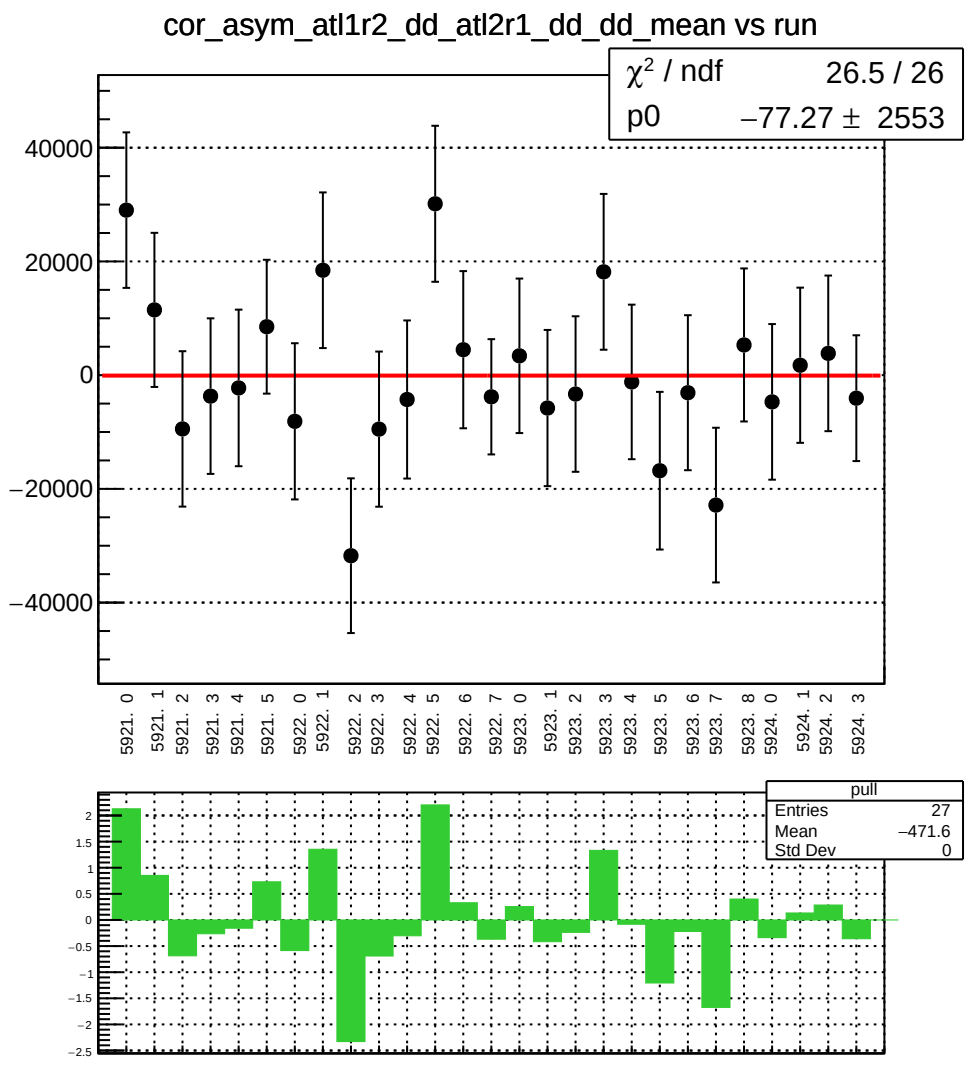

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 26.5 / 26
p0 −77.06 ± 2553
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −471.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

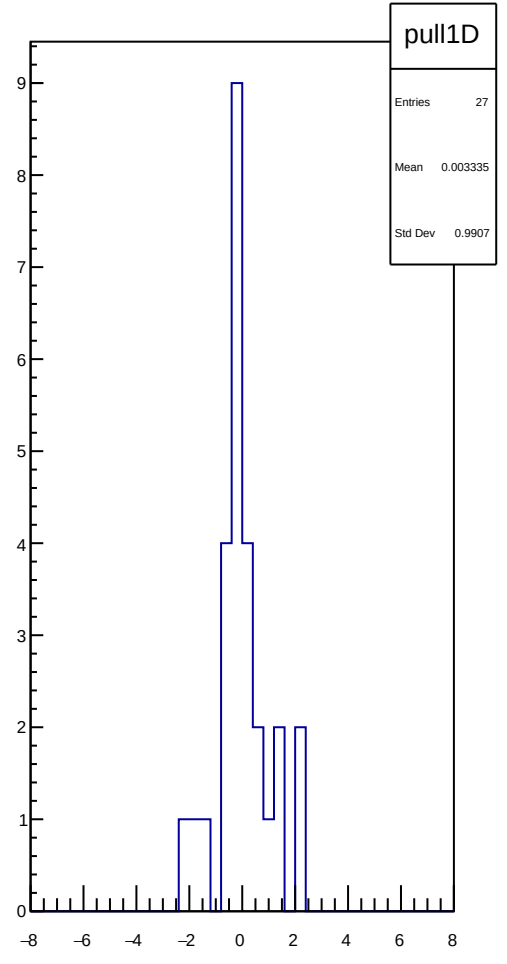

pull1D
Entries 27
Mean 0.003334
Std Dev 0.9907
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

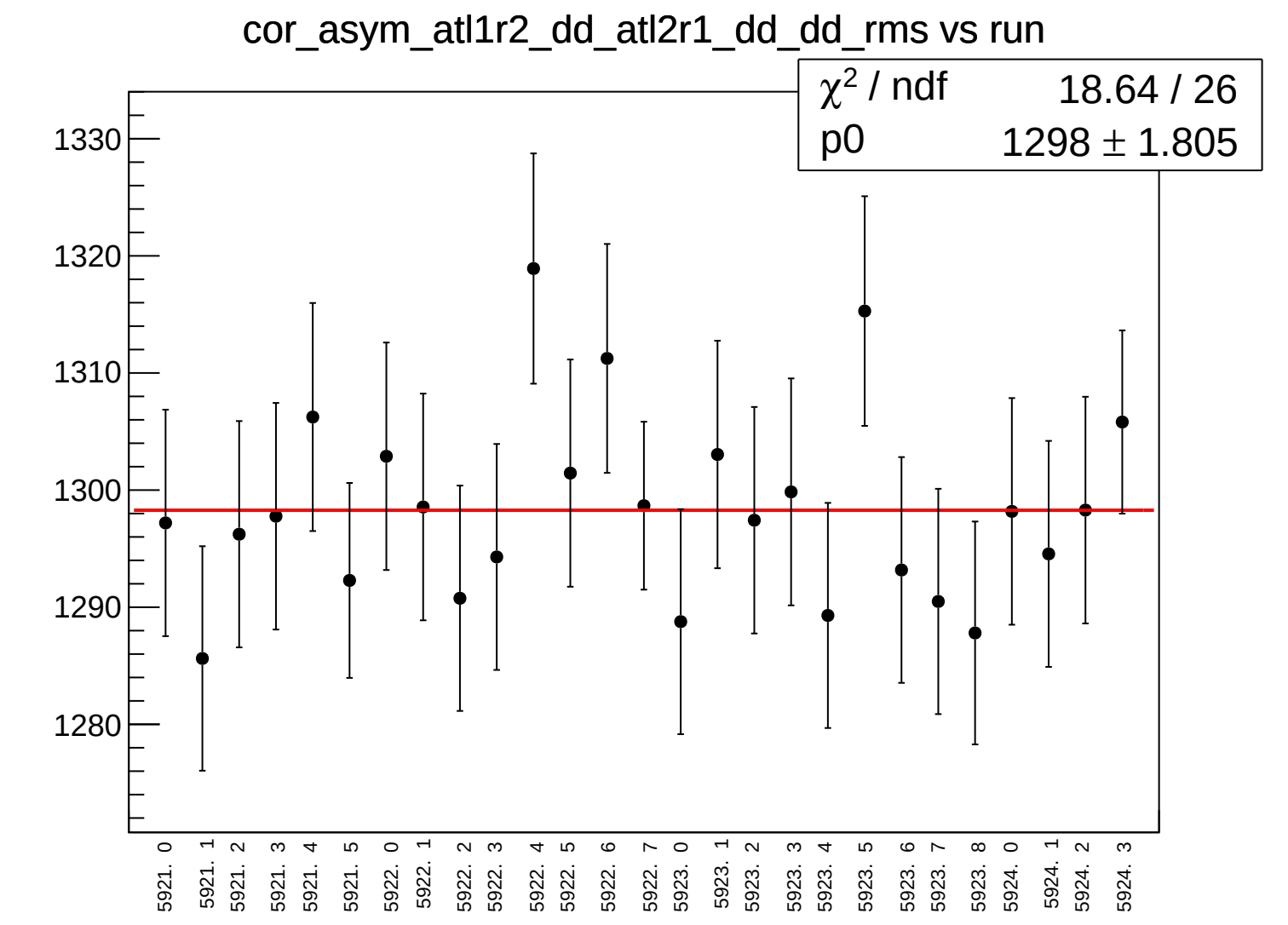

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 18.64 / 26
p0 1298 ± 1.805
1330
1320
1310
1300
1290
1280
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

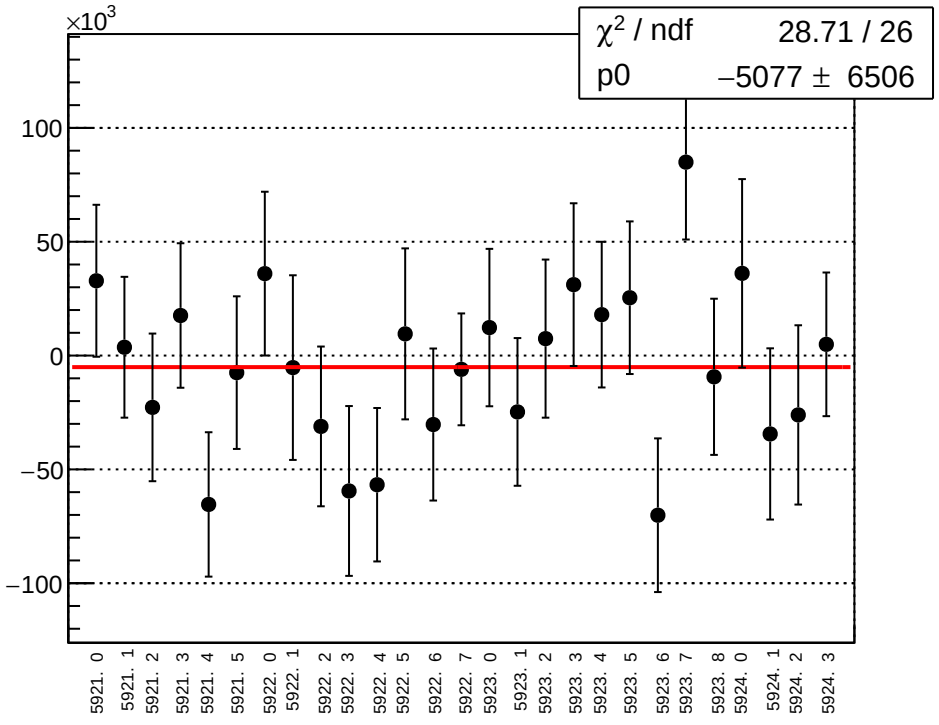

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs run
×10^3
χ² / ndf 28.72 / 26
p0 −5076 ± 6506
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 234.3
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.003977
Std Dev 1.031
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

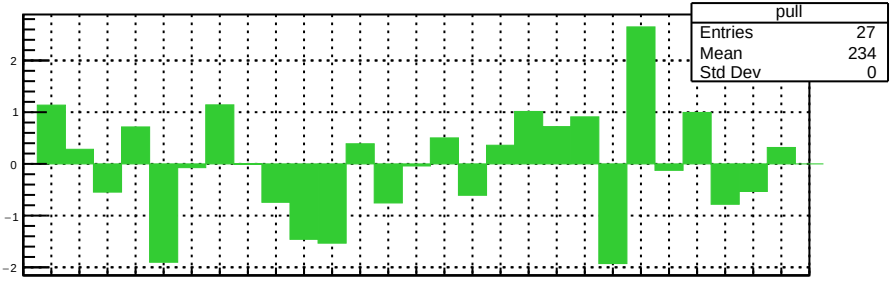

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs run
χ² / ndf 3155 / 26
p0 3298 ± 4.6
4000
3800
3600
3400
3200
3000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

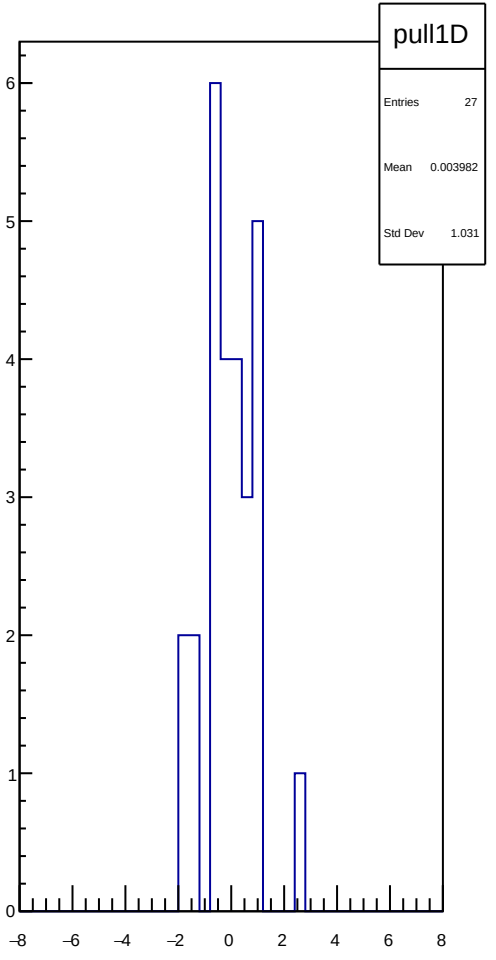

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 26.5 / 26
p0 −77.27 ± 2553
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −471.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

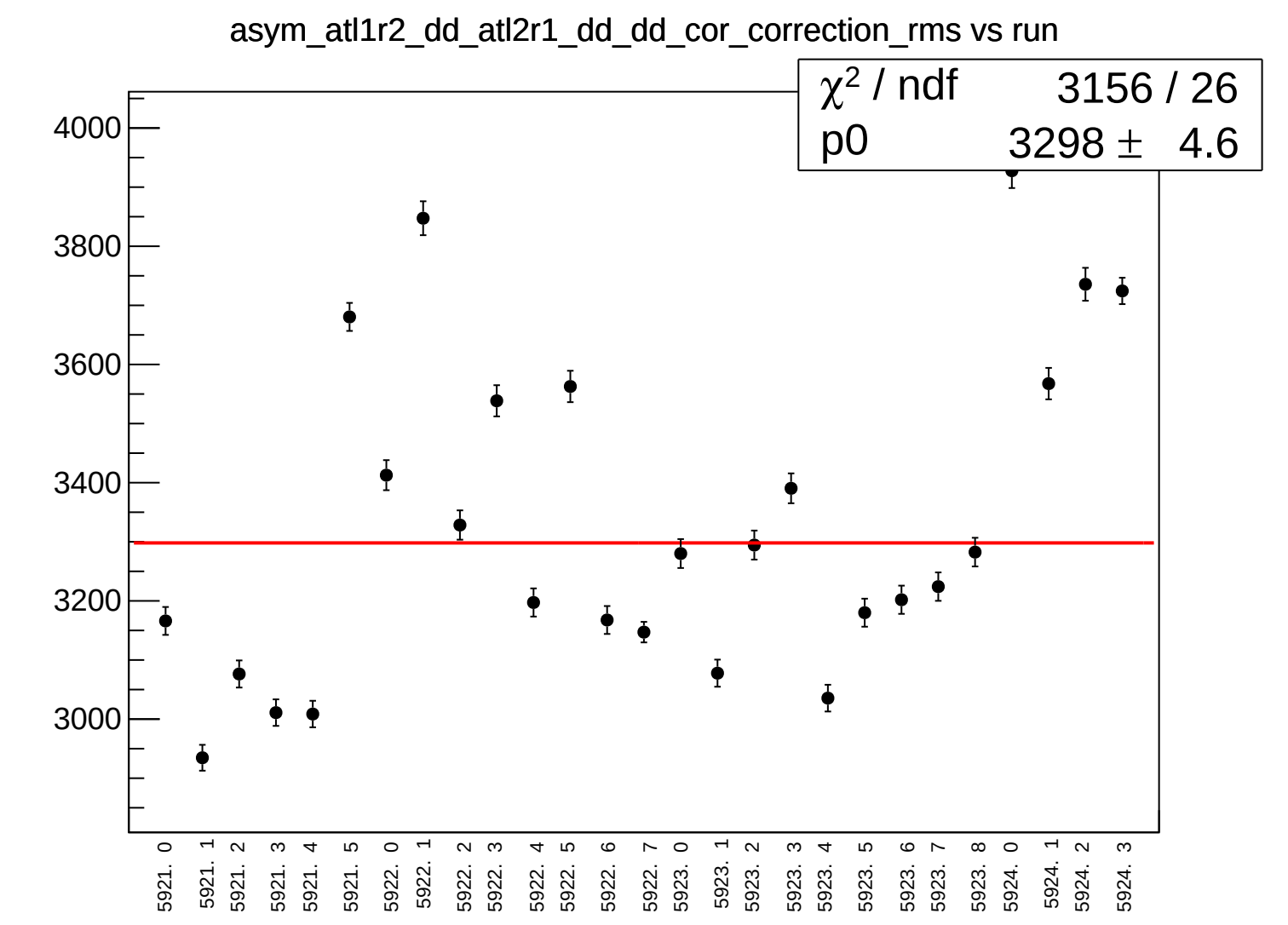

pull1D
Entries 27
Mean 0.003335
Std Dev 0.9907
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

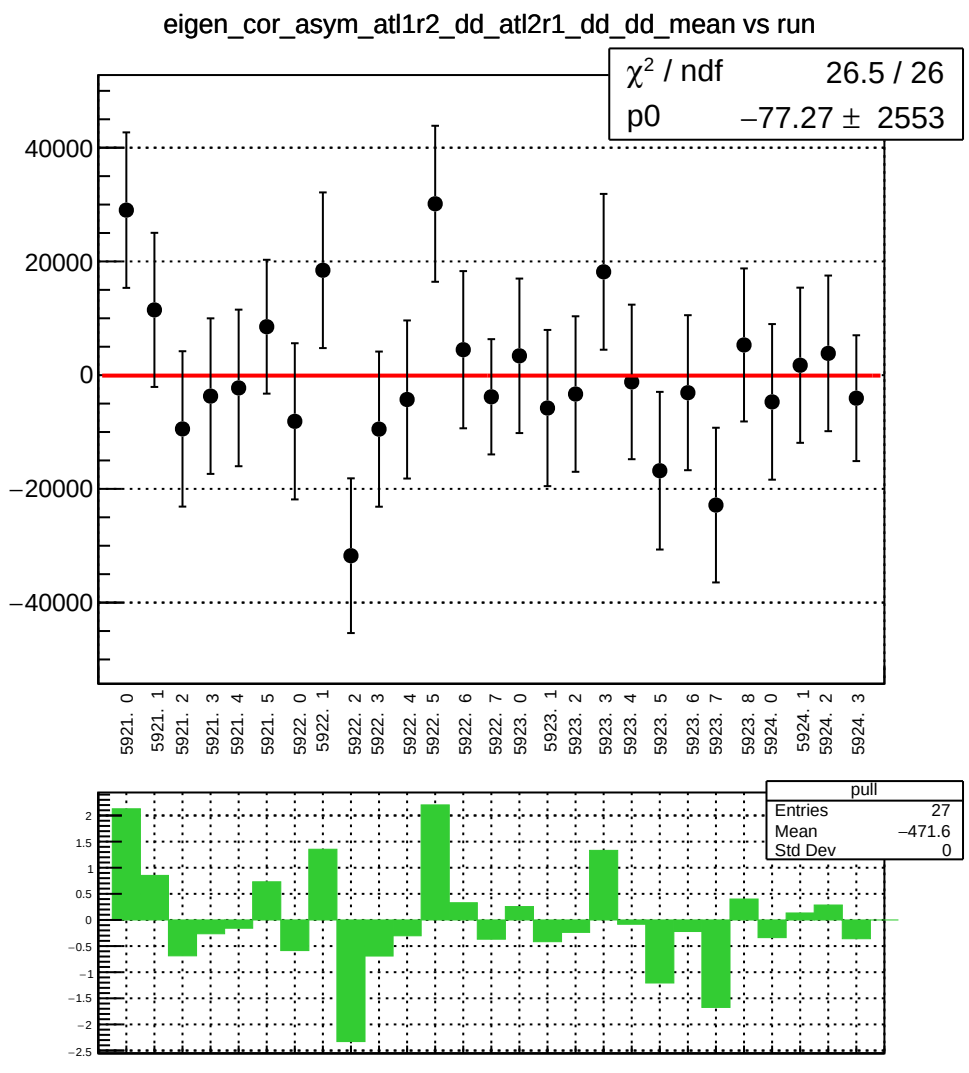

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 18.64 / 26
p0 1298 ± 1.805
1330
1320
1310
1300
1290
1280
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

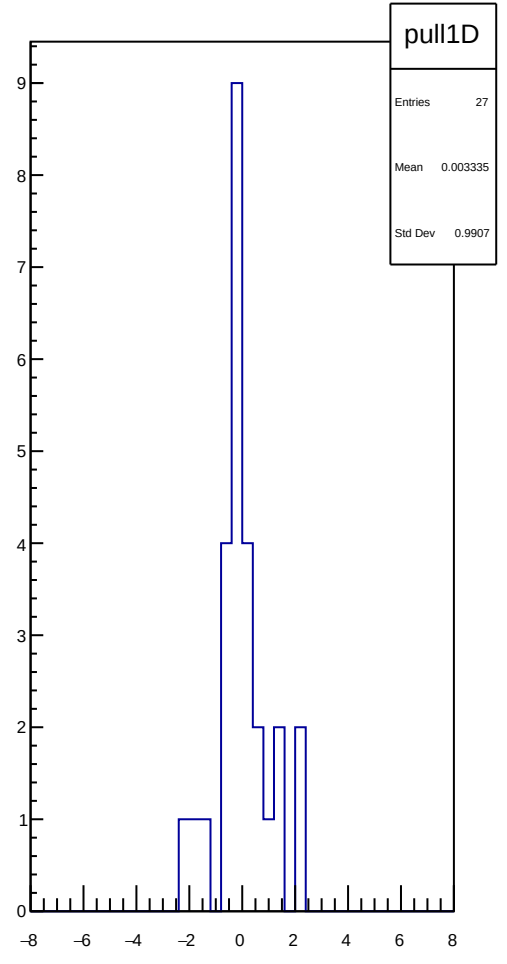

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs run
×10^3
χ² / ndf 28.71 / 26
p0 −5077 ± 6506
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

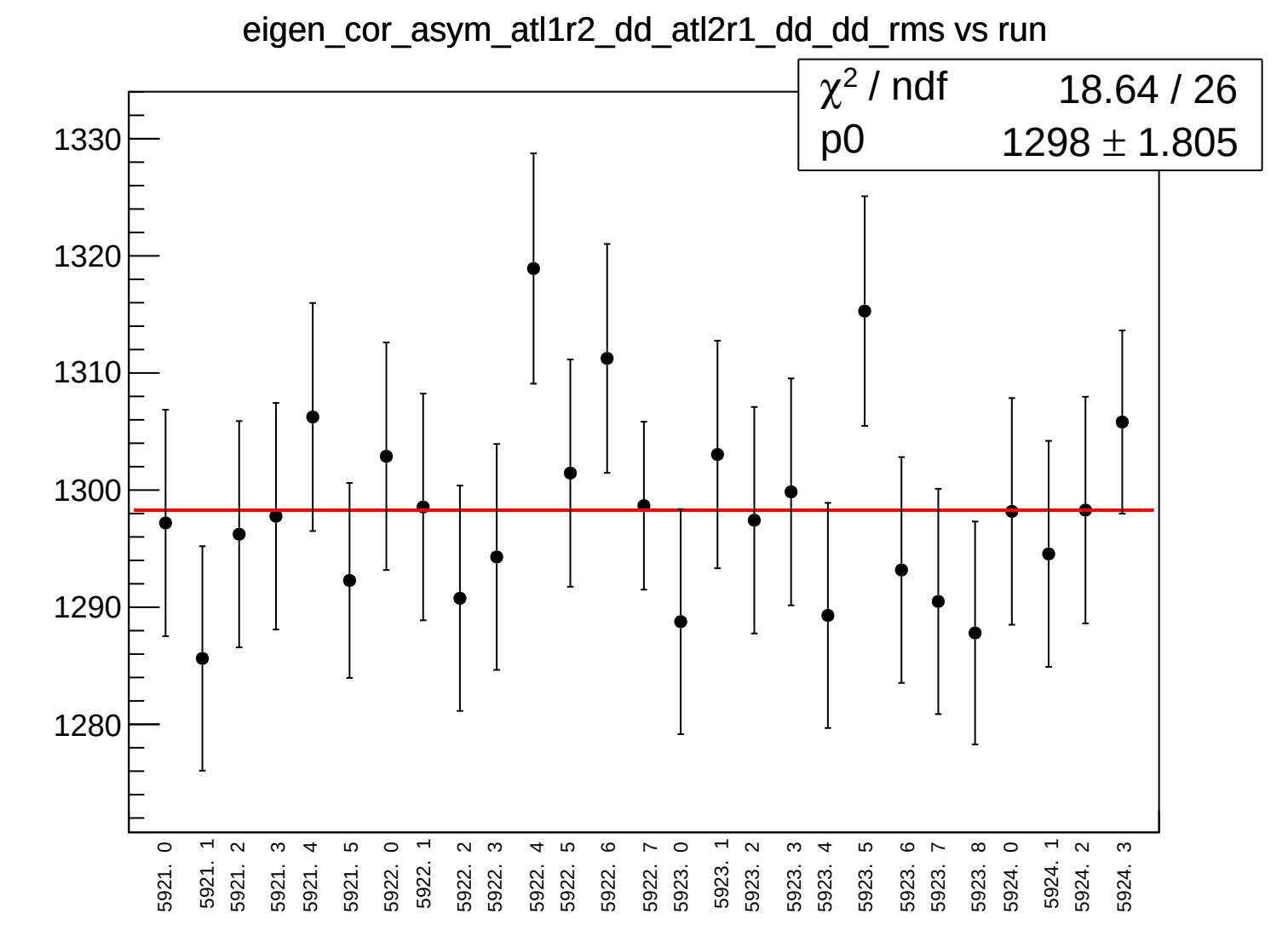

pull
Entries 27
Mean 234
Std Dev 0
2
1
0
−1
−2

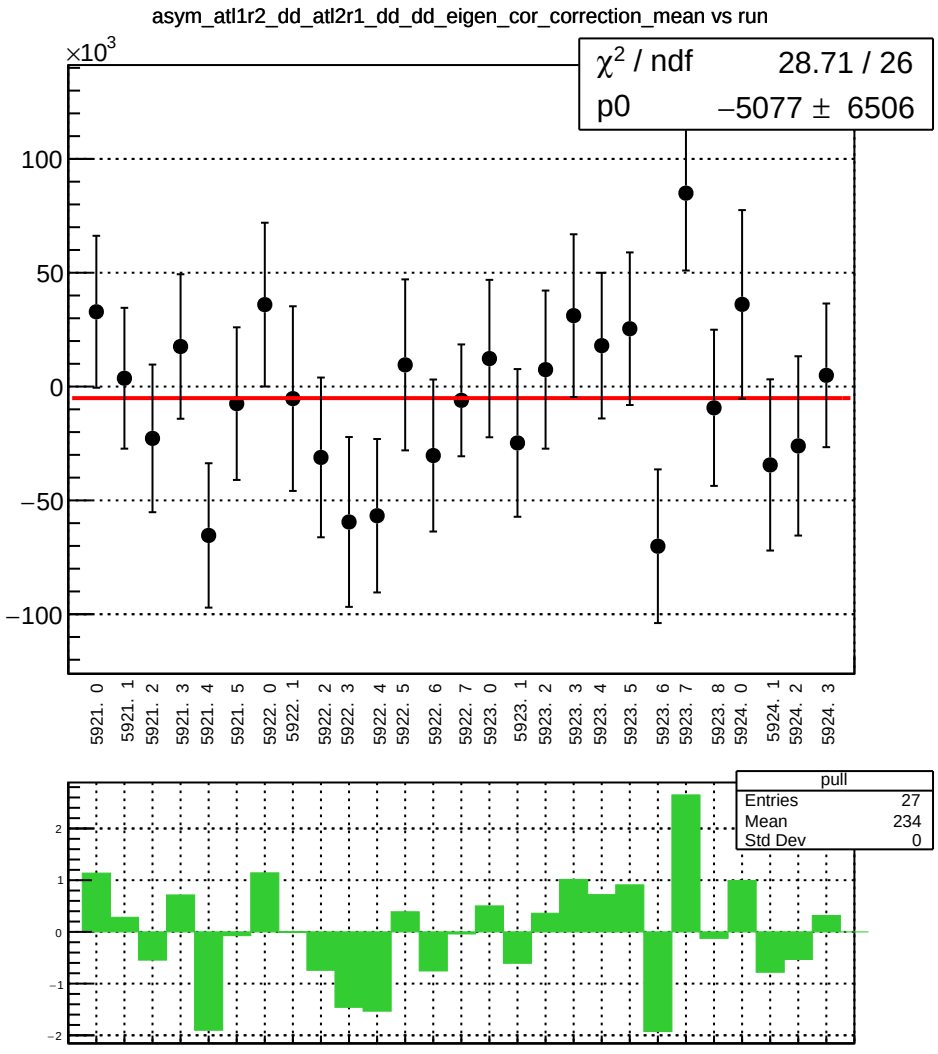

pull1D
Entries 27
Mean 0.003982
Std Dev 1.031
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

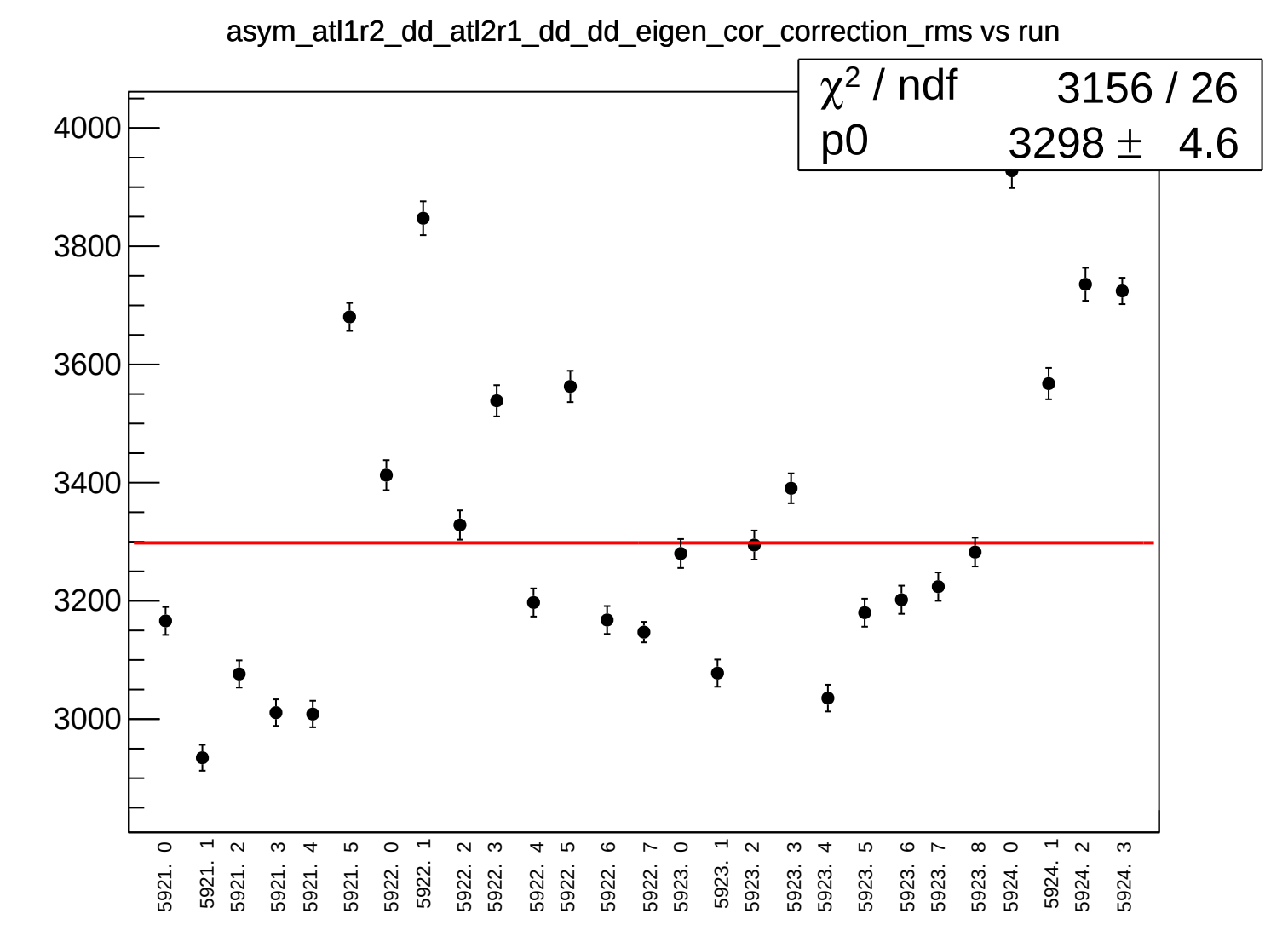

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs run
χ² / ndf 3156 / 26
p0 3298 ± 4.6
4000
3800
3600
3400
3200
3000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

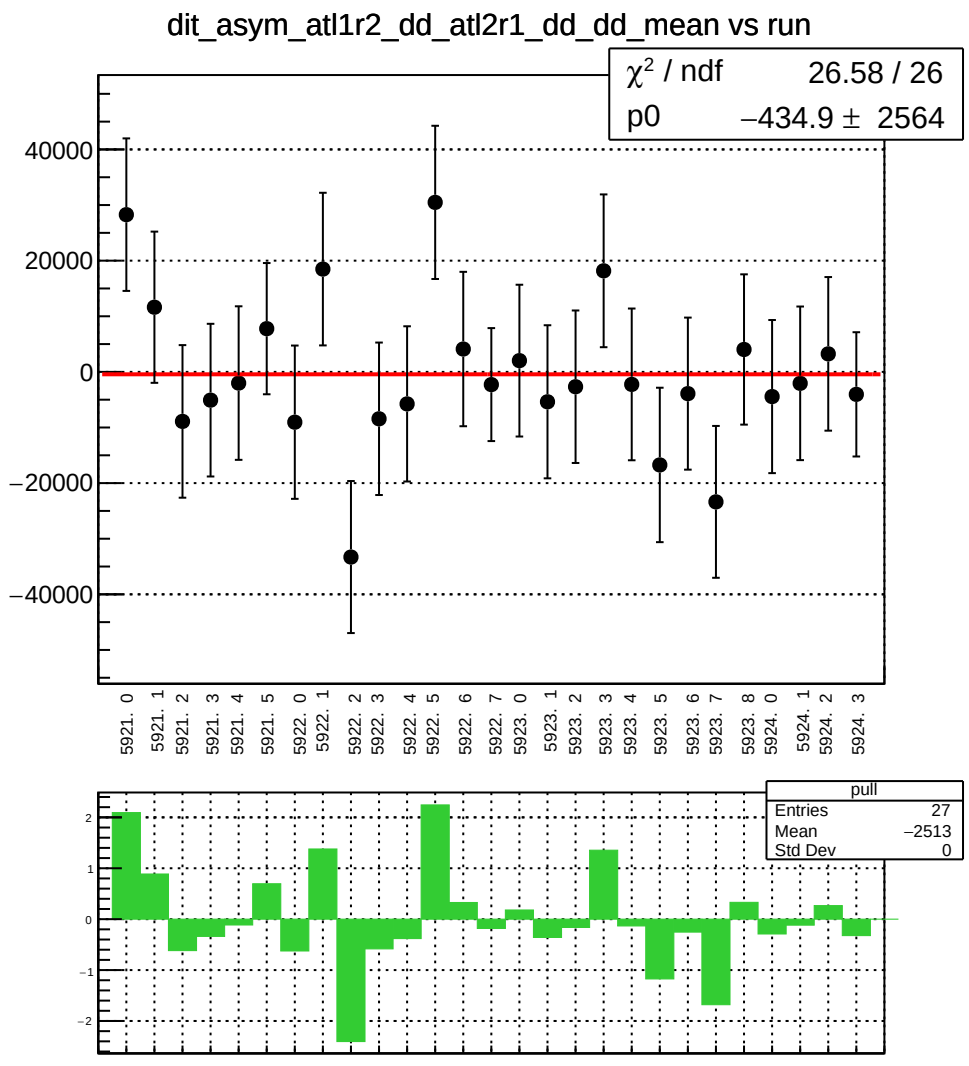

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 26.5 / 26
p0 −77.27 ± 2553
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −471.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

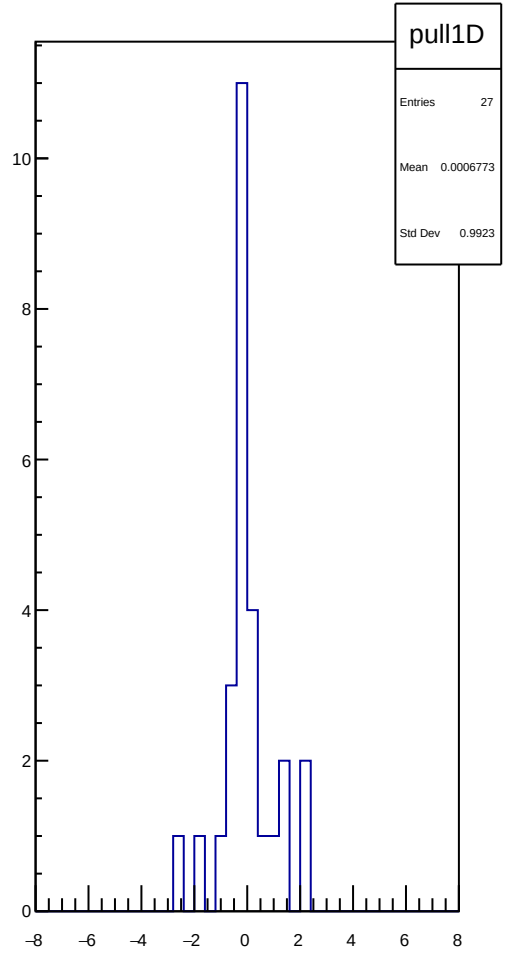

pull1D
Entries 27
Mean 0.003335
Std Dev 0.9907
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

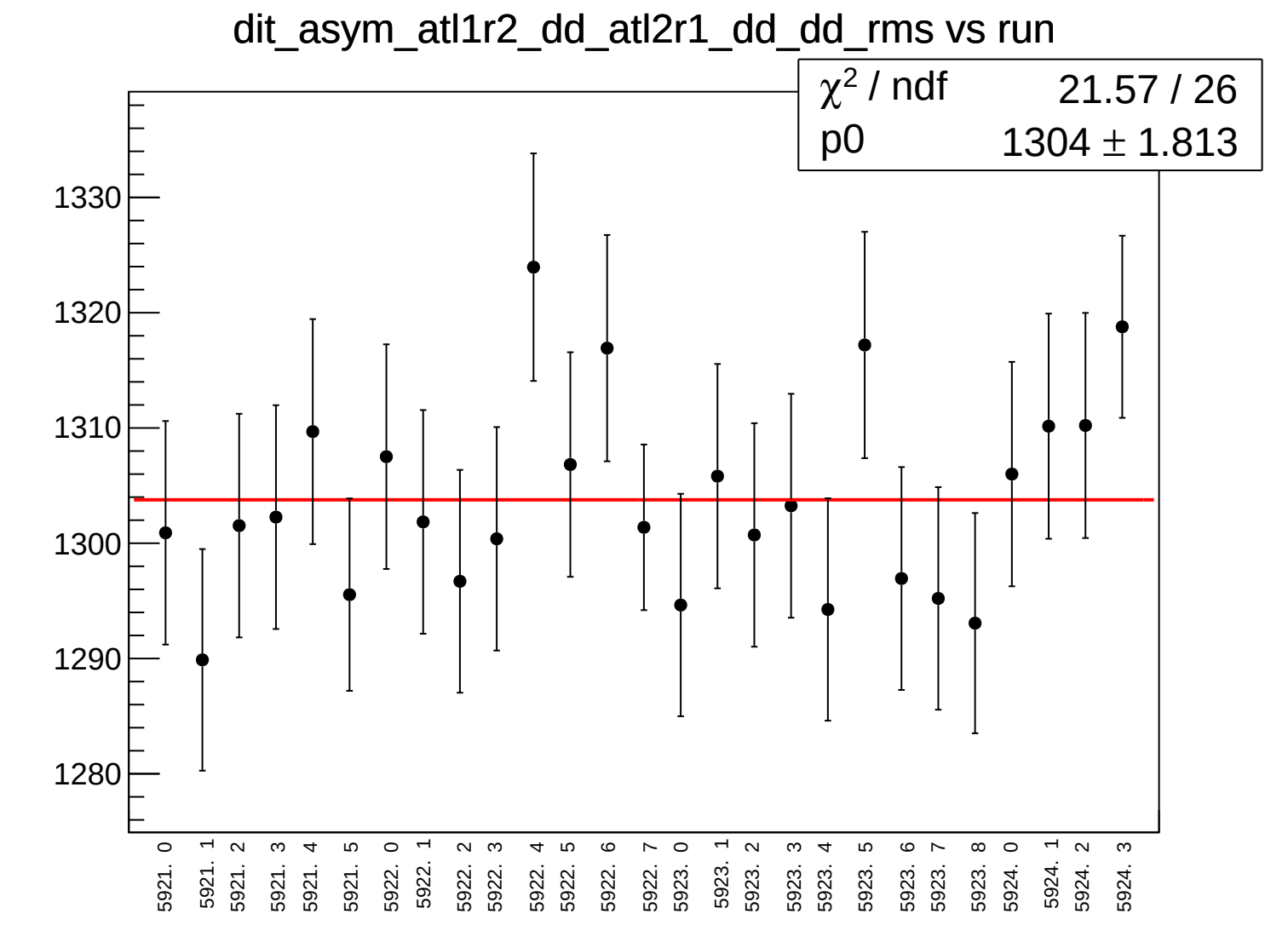

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 18.64 / 26
p0 1298 ± 1.805
1330
1320
1310
1300
1290
1280
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

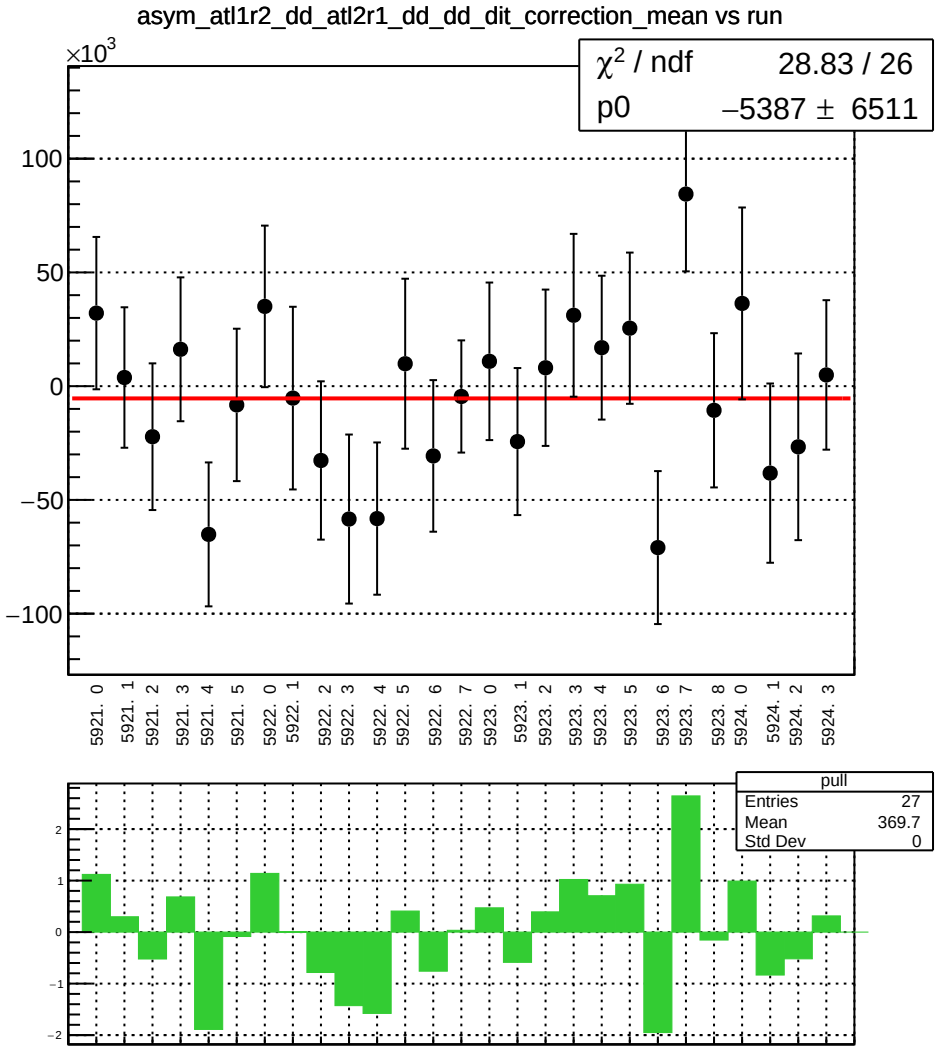

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 28.71 / 26
p0 −5077 ± 6506
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 234
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.003982
Std Dev 1.031
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

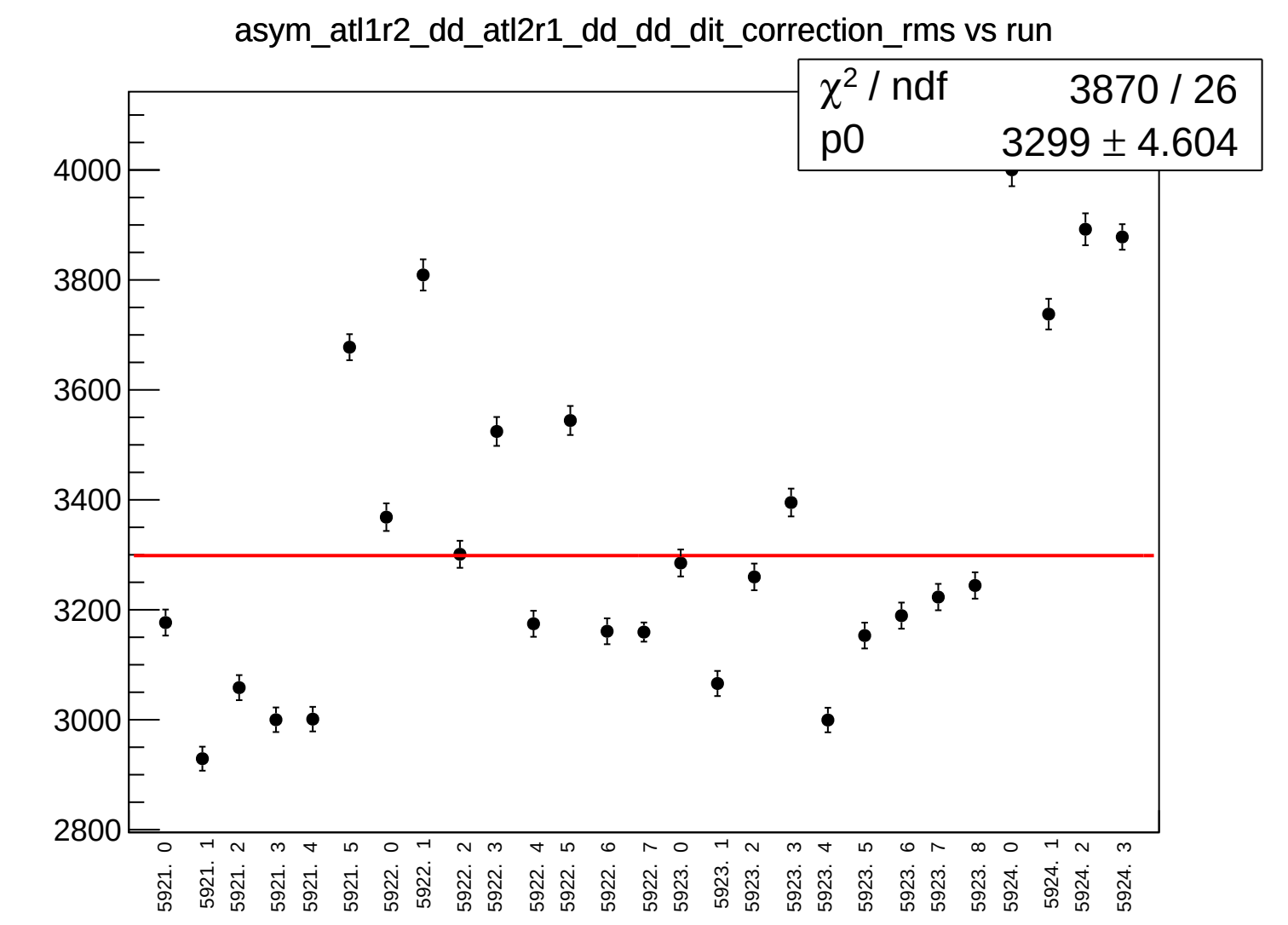

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 3156 / 26
p0 3298 ± 4.6
4000
3800
3600
3400
3200
3000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

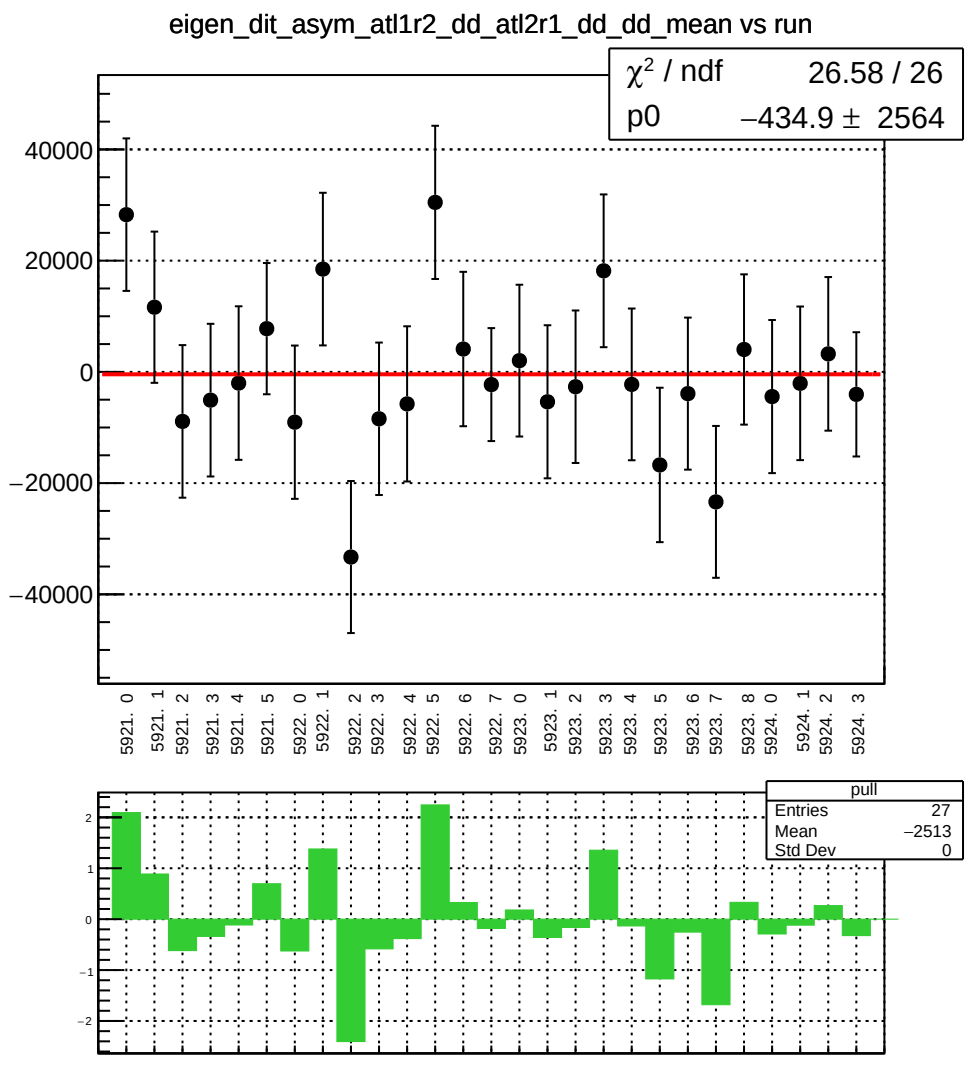

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 26.58 / 26
p0 −434.9 ± 2564
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −2513
Std Dev 0
2
1
0
−1
−2

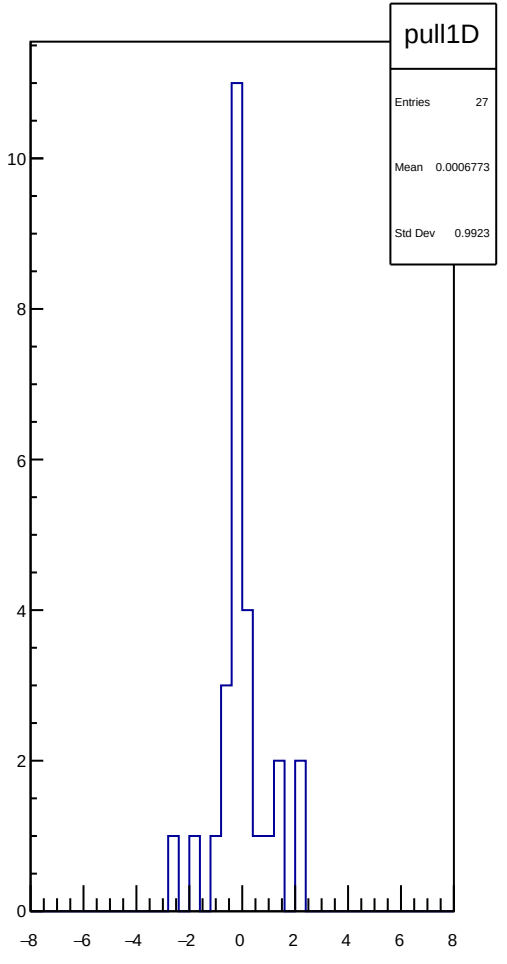

pull1D
Entries 27
Mean 0.0006773
Std Dev 0.9923
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

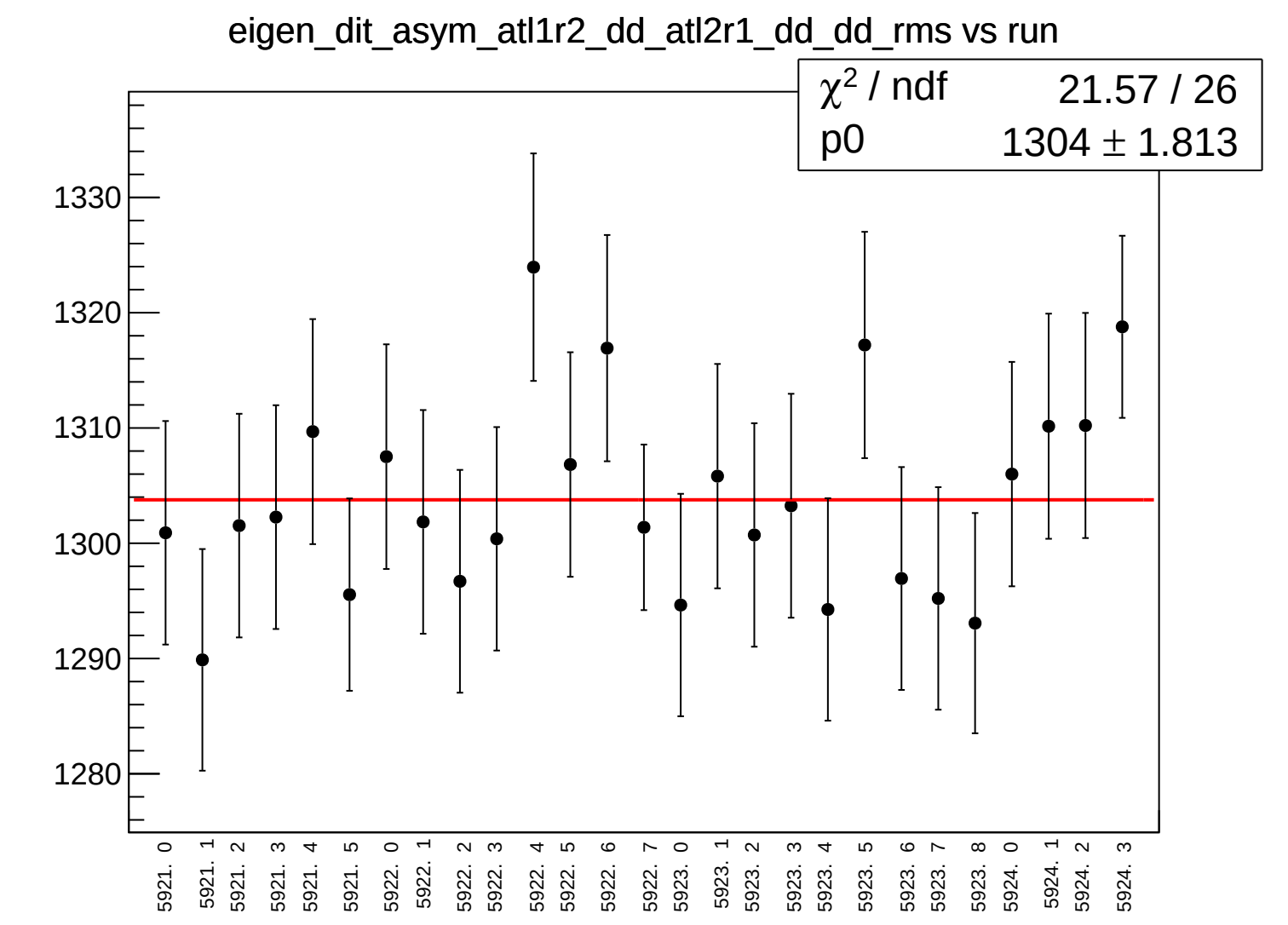

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 21.57 / 26
p0 1304 ± 1.813
1330
1320
1310
1300
1290
1280
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

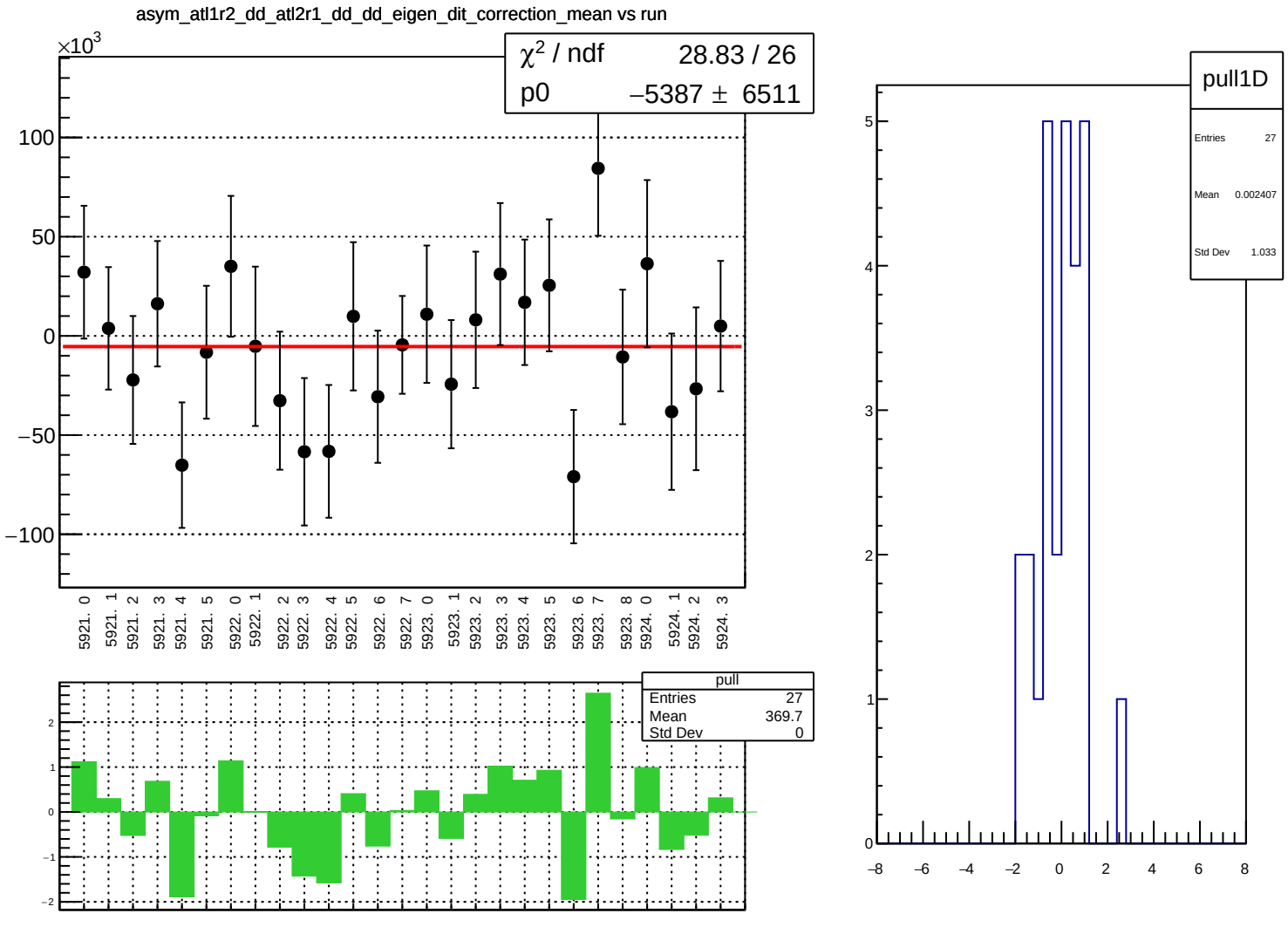

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs run
×10^3
χ² / ndf 28.83 / 26
p0 −5387 ± 6511
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 369.7
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.002407
Std Dev 1.033
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

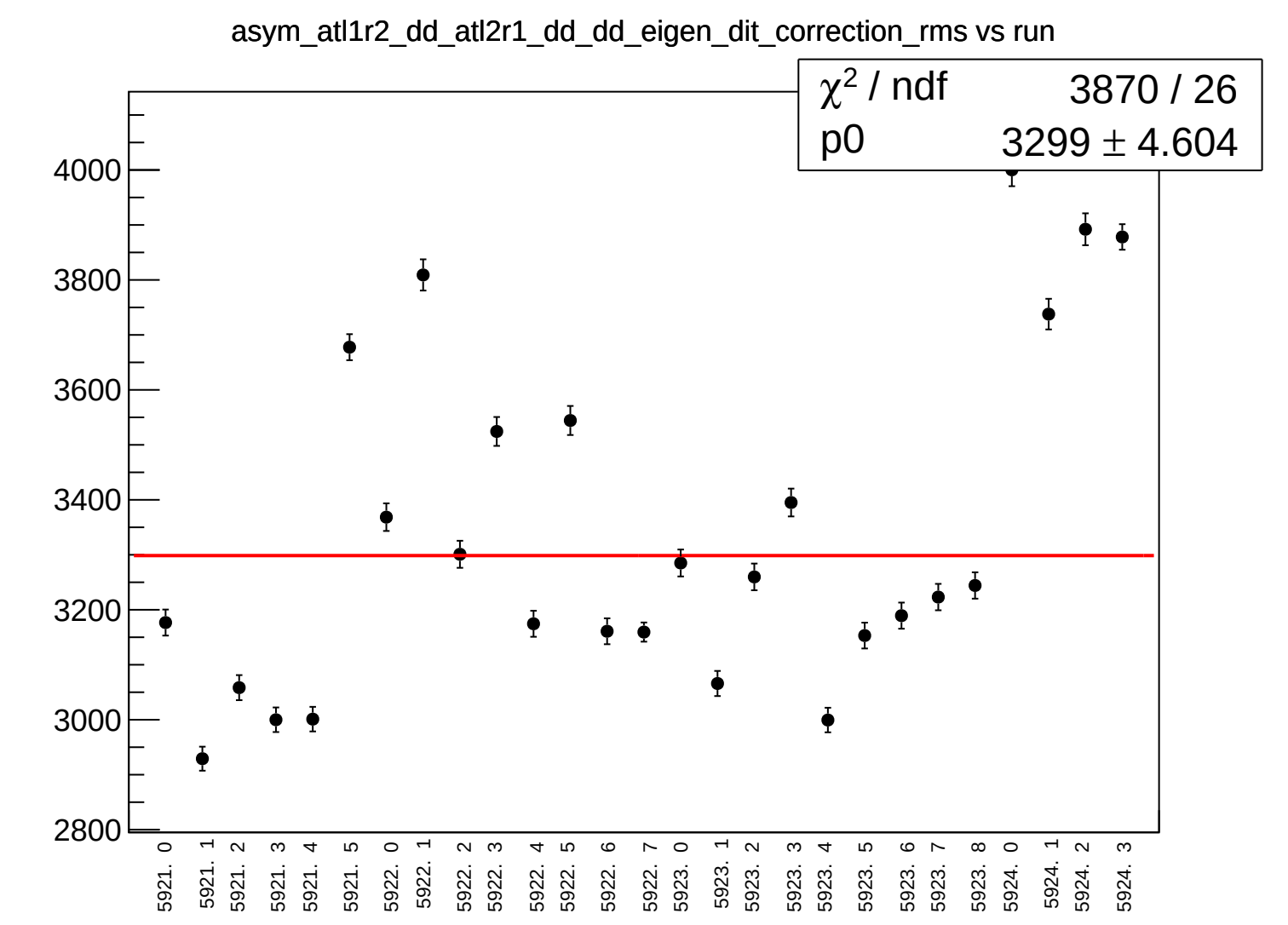

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs run
χ² / ndf 3870 / 26
p0 3299 ± 4.604
4000
3800
3600
3400
3200
3000
2800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

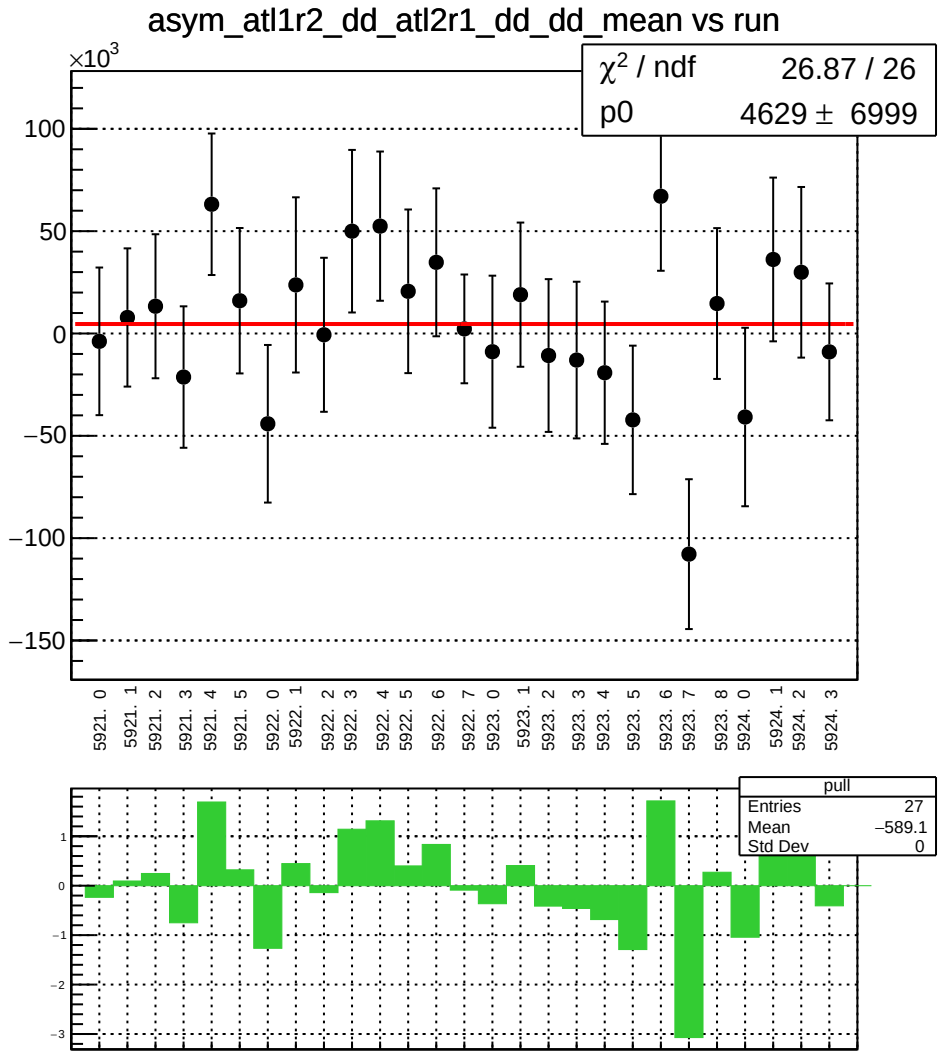

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 26.58 / 26
p0 −434.9 ± 2564
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −2513
Std Dev 0
2
1
0
−1
−2

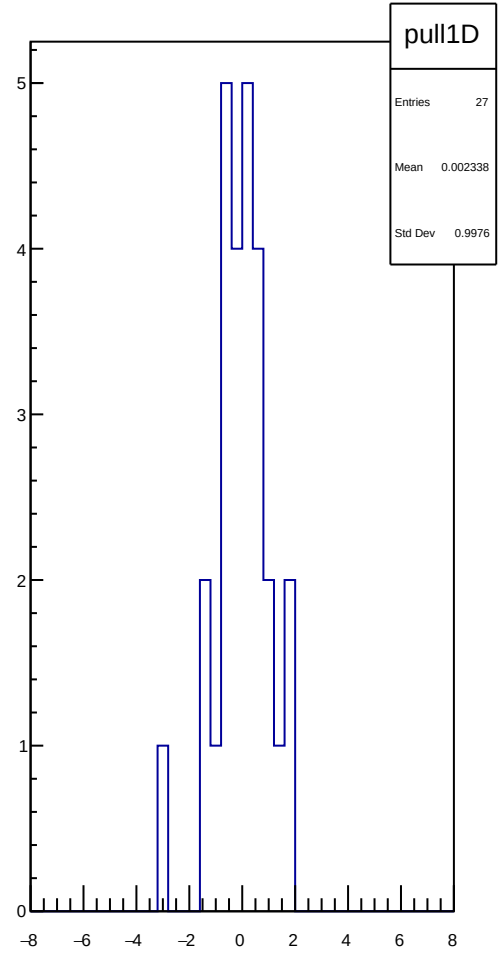

pull1D
Entries 27
Mean 0.0006773
Std Dev 0.9923
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

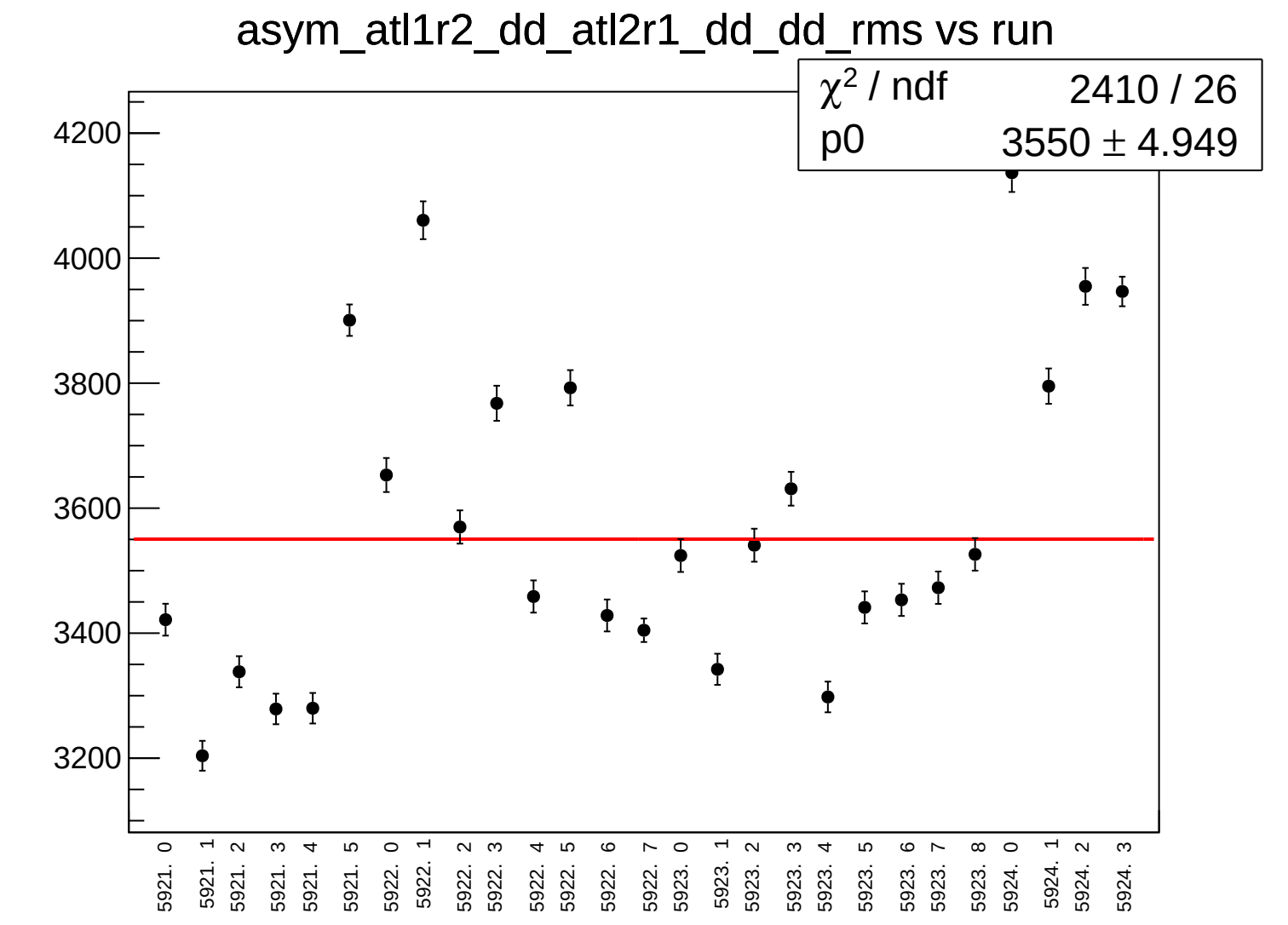

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 21.57 / 26
p0 1304 ± 1.813
1330
1320
1310
1300
1290
1280
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

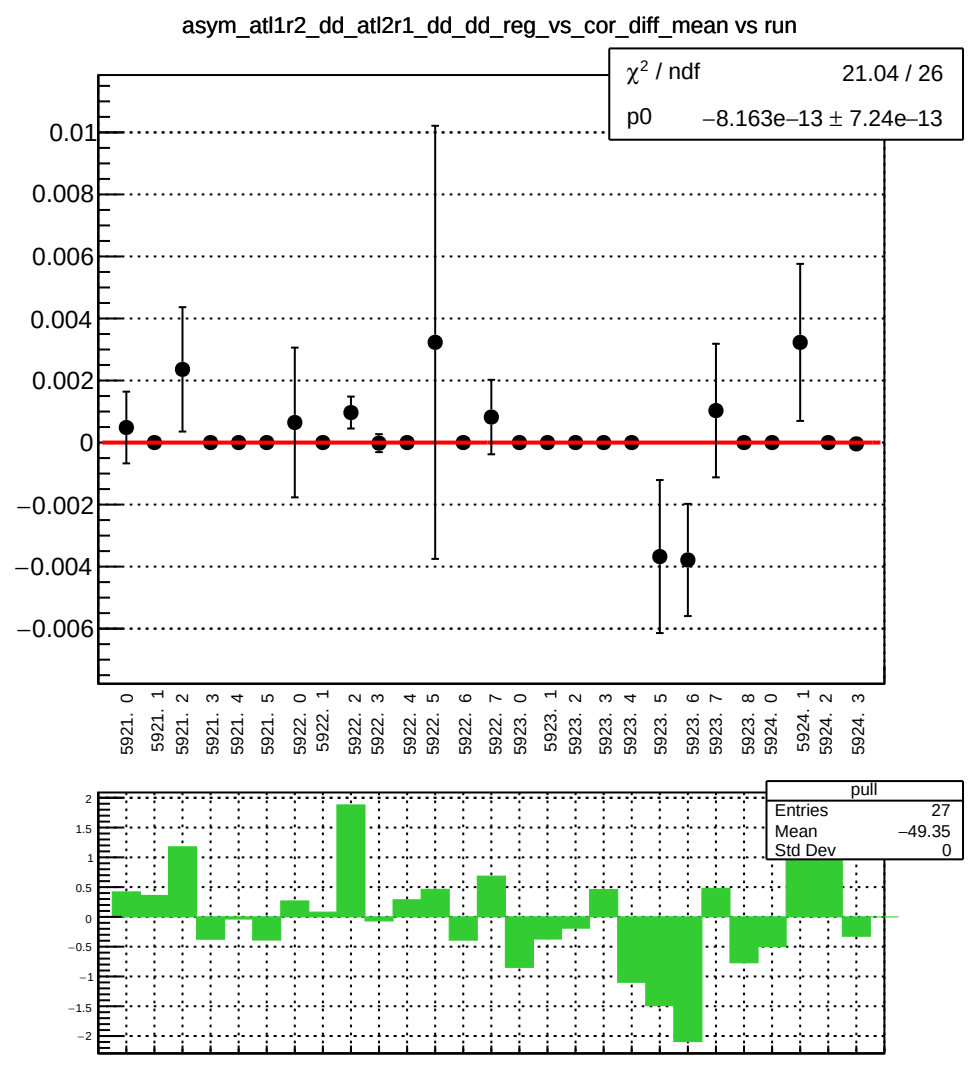

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 28.83 / 26
p0 −5387 ± 6511
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 369.7
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.002407
Std Dev 1.033
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

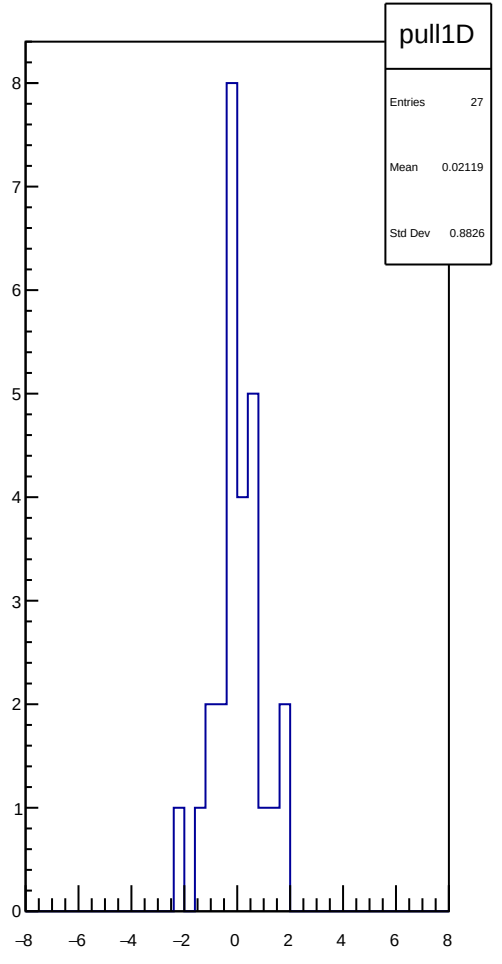

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 3870 / 26
p0 3299 ± 4.604
4000
3800
3600
3400
3200
3000
2800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

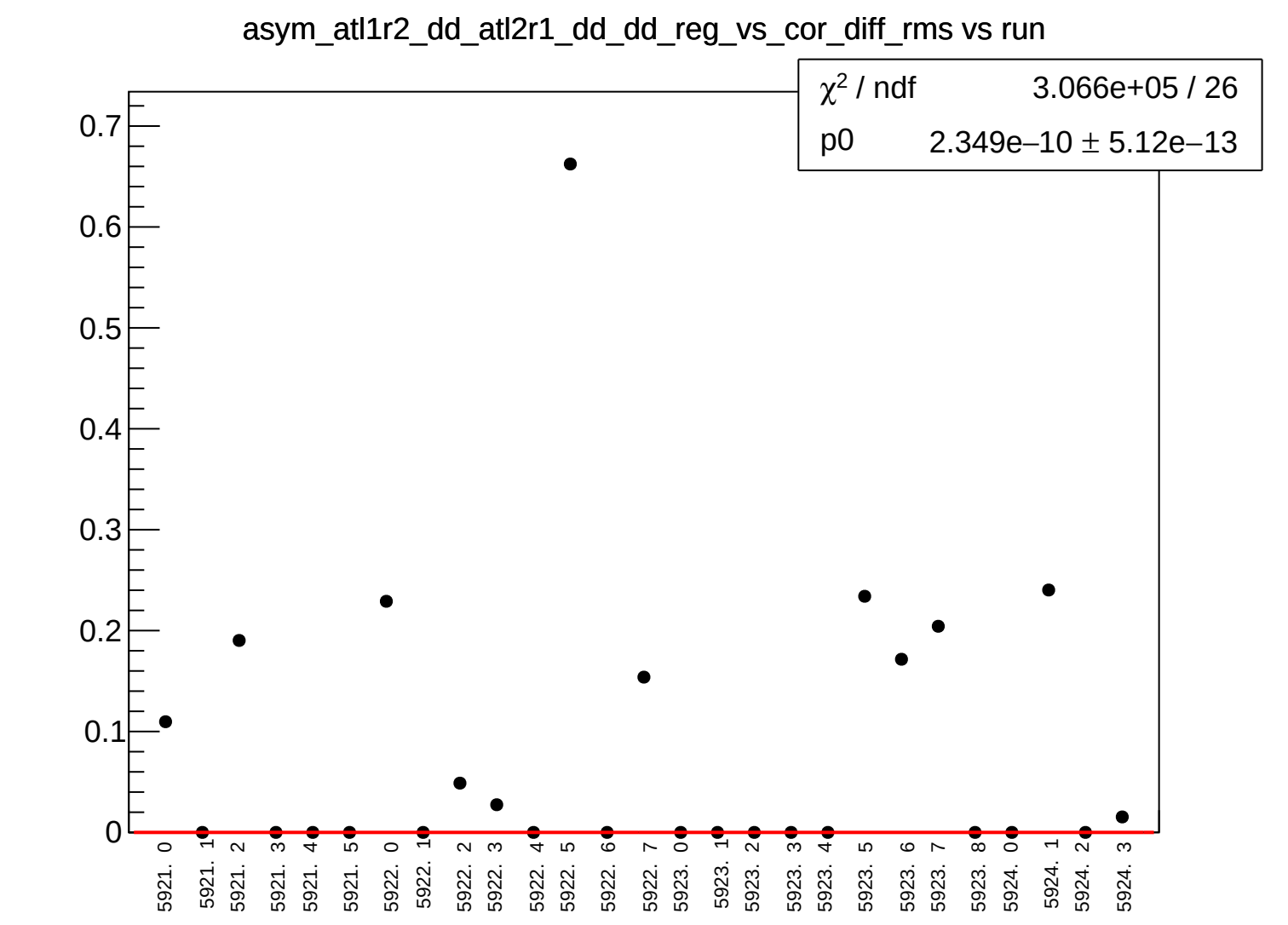

asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
×10^3
χ² / ndf 26.87 / 26
p0 4629 ± 6999
100
50
0
−50
−100
−150
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −589.1
Std Dev 0
1
0
−1
−2
−3

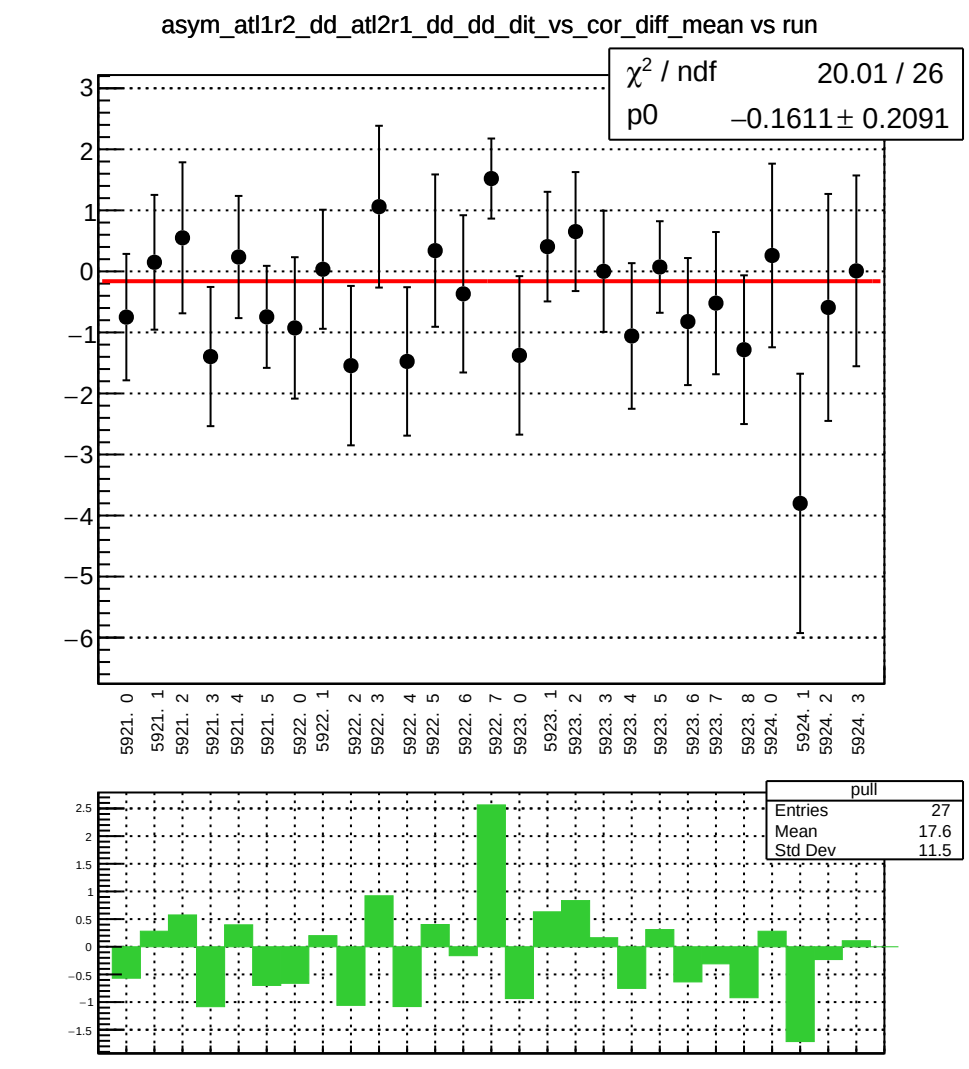

pull1D
Entries 27
Mean 0.002338
Std Dev 0.9976
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

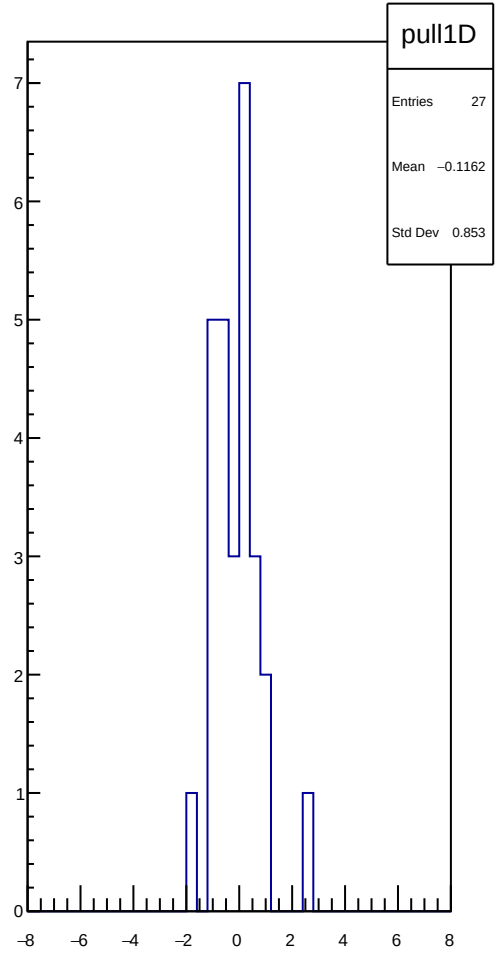

asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 2410 / 26
p0 3550 ± 4.949
4200
4000
3800
3600
3400
3200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

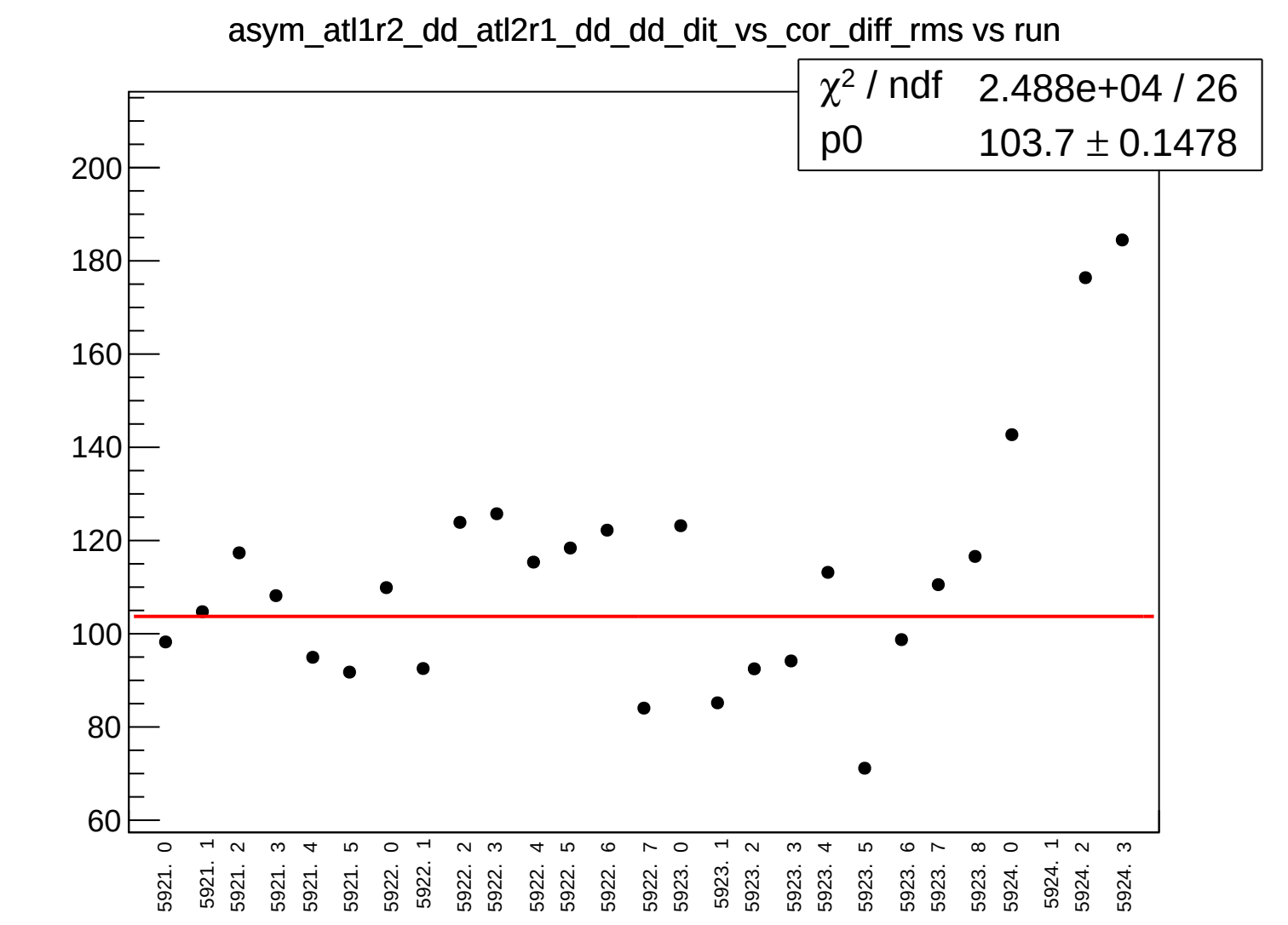

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 21.04 / 26
p0 −8.163e−13 ± 7.24e−13
0.01
0.008
0.006
0.004
0.002
0
−0.002
−0.004
−0.006
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −49.35
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

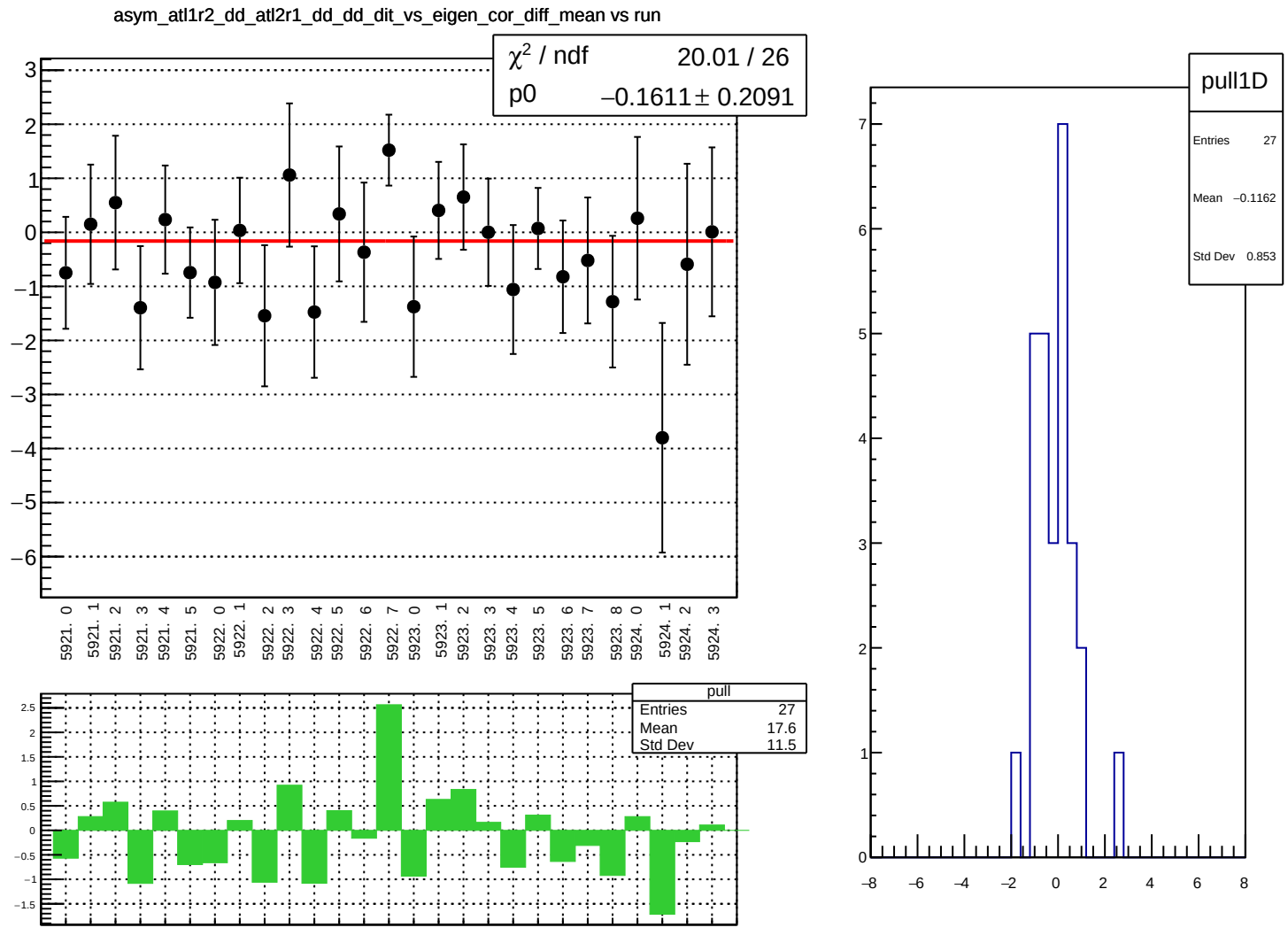

pull1D
Entries 27
Mean 0.02119
Std Dev 0.8826
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

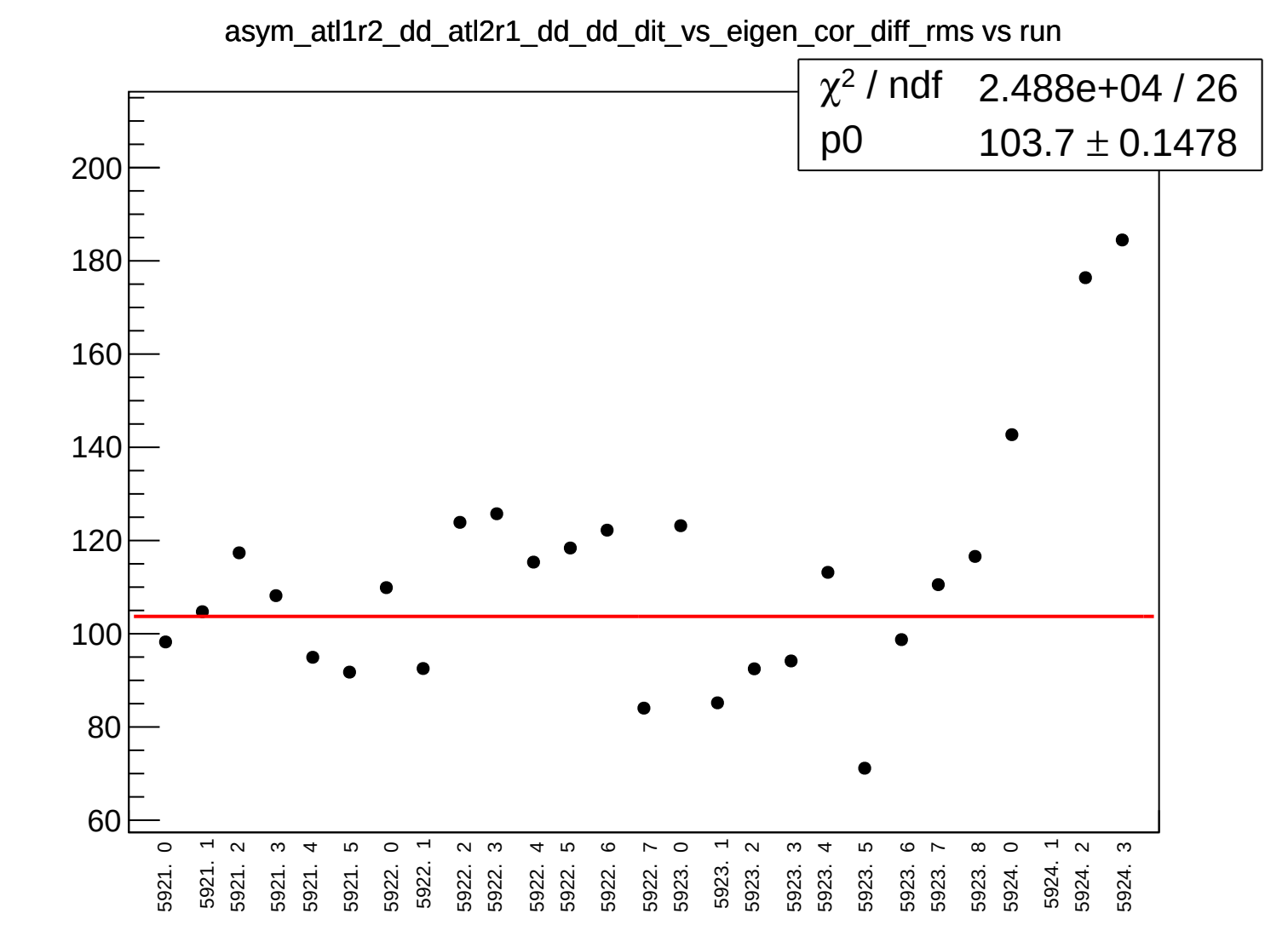

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.066e+05 / 26
p0 2.349e−10 ± 5.12e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

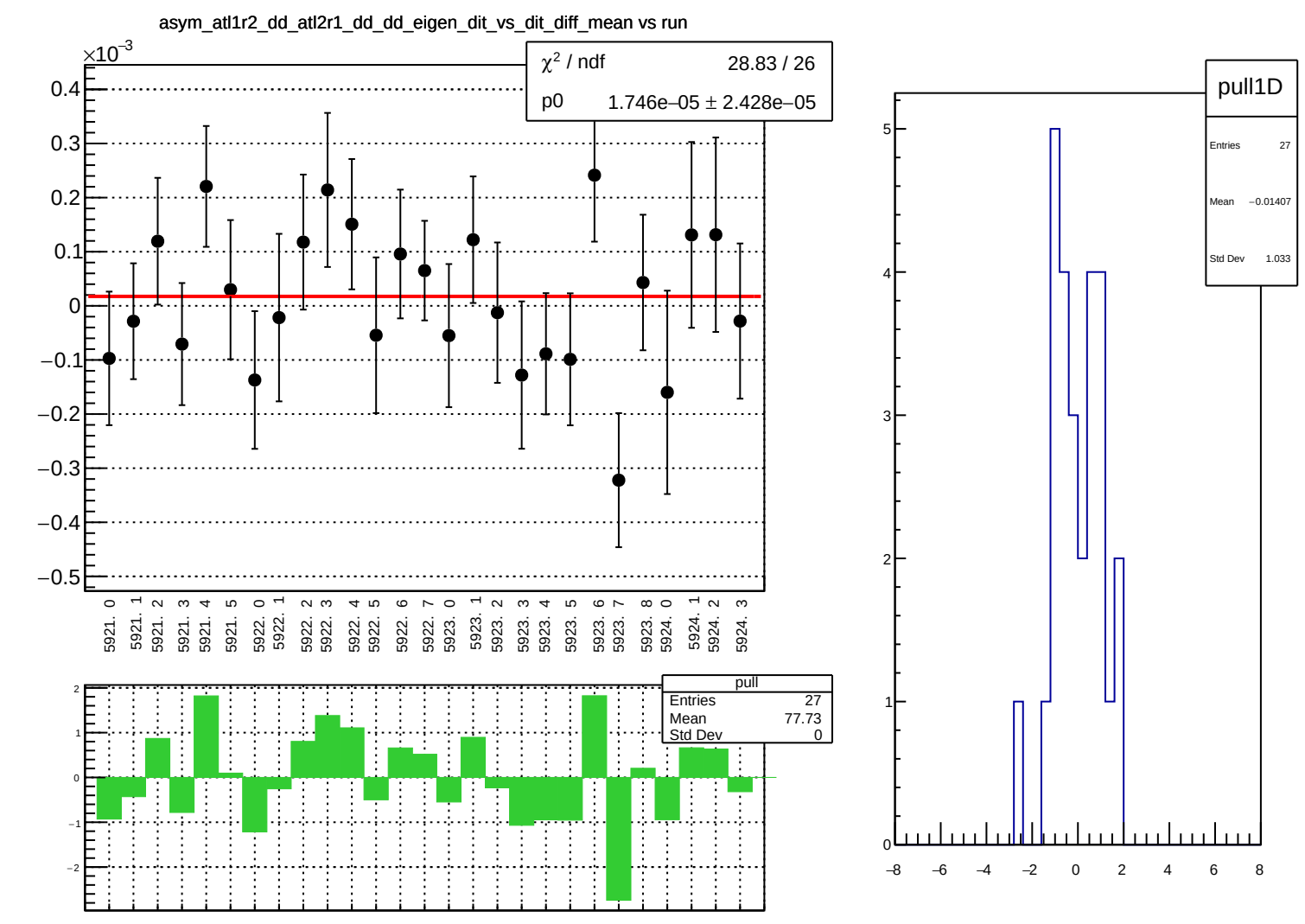

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 20.01 / 26
p0 −0.1611 ± 0.2091
pull
Entries 27
Mean 17.6
Std Dev 11.5

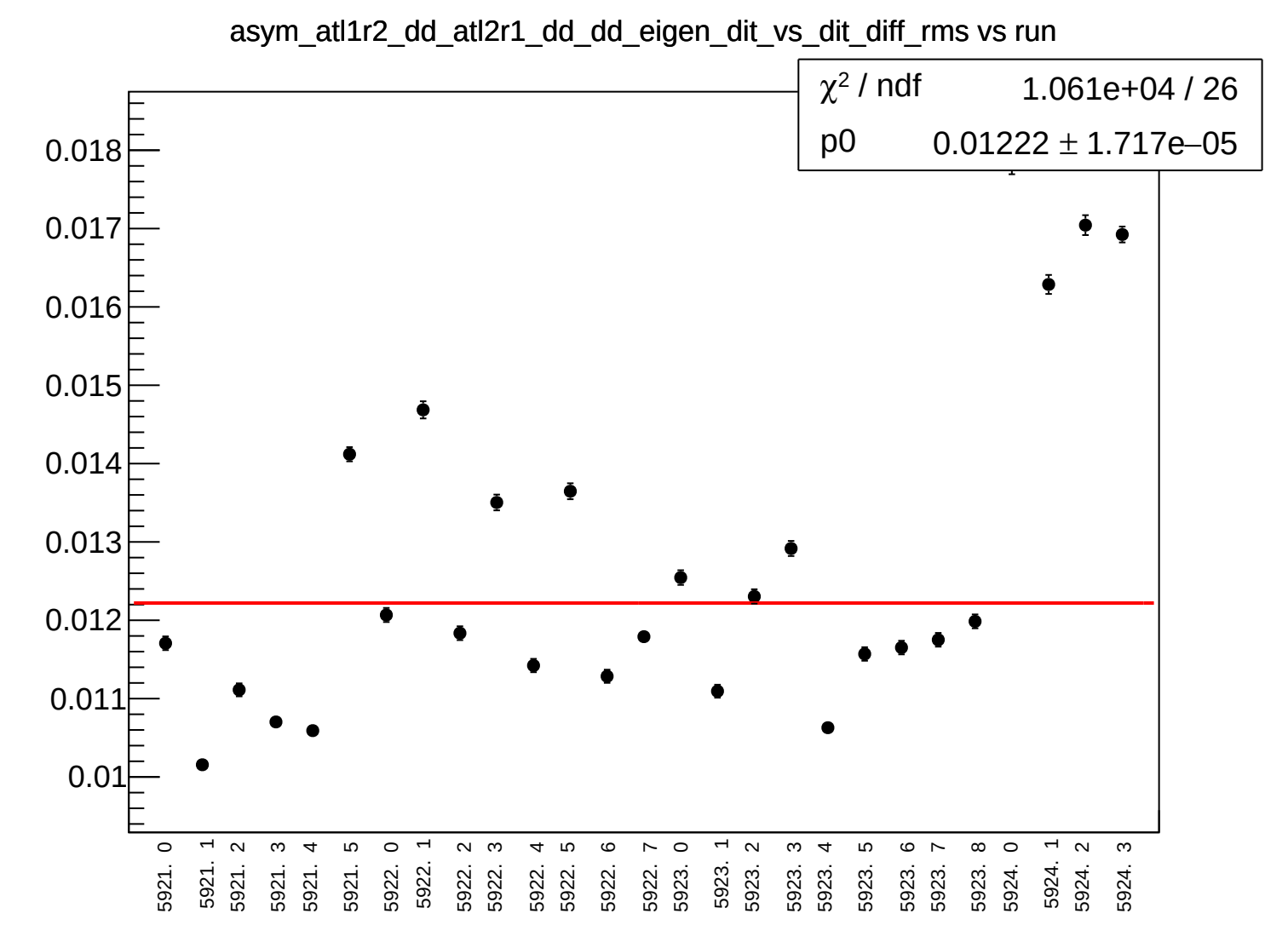

pull1D
Entries 27
Mean −0.1162
Std Dev 0.853

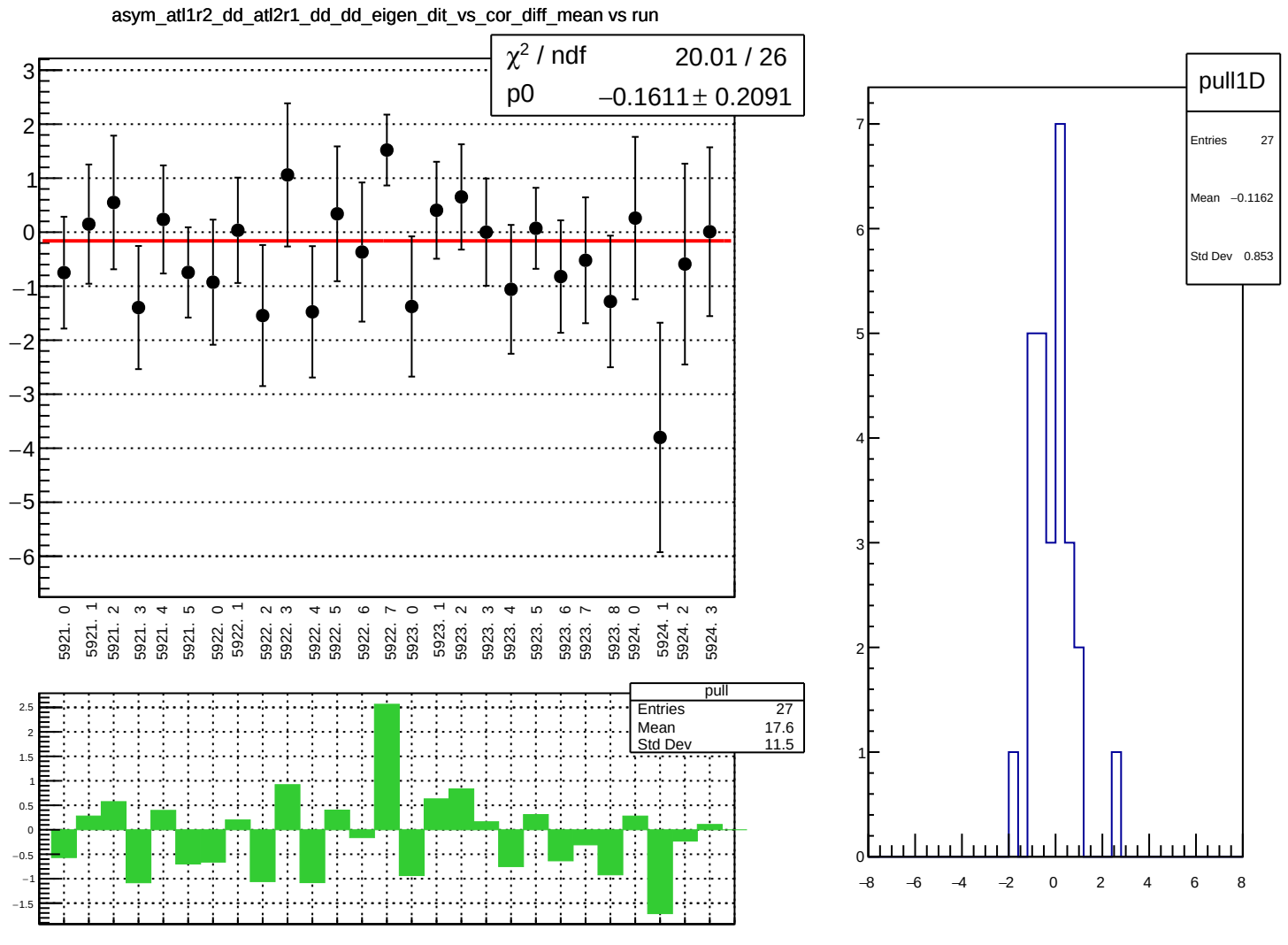

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.488e+04 / 26
p0 103.7 ± 0.1478
200
180
160
140
120
100
80
60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

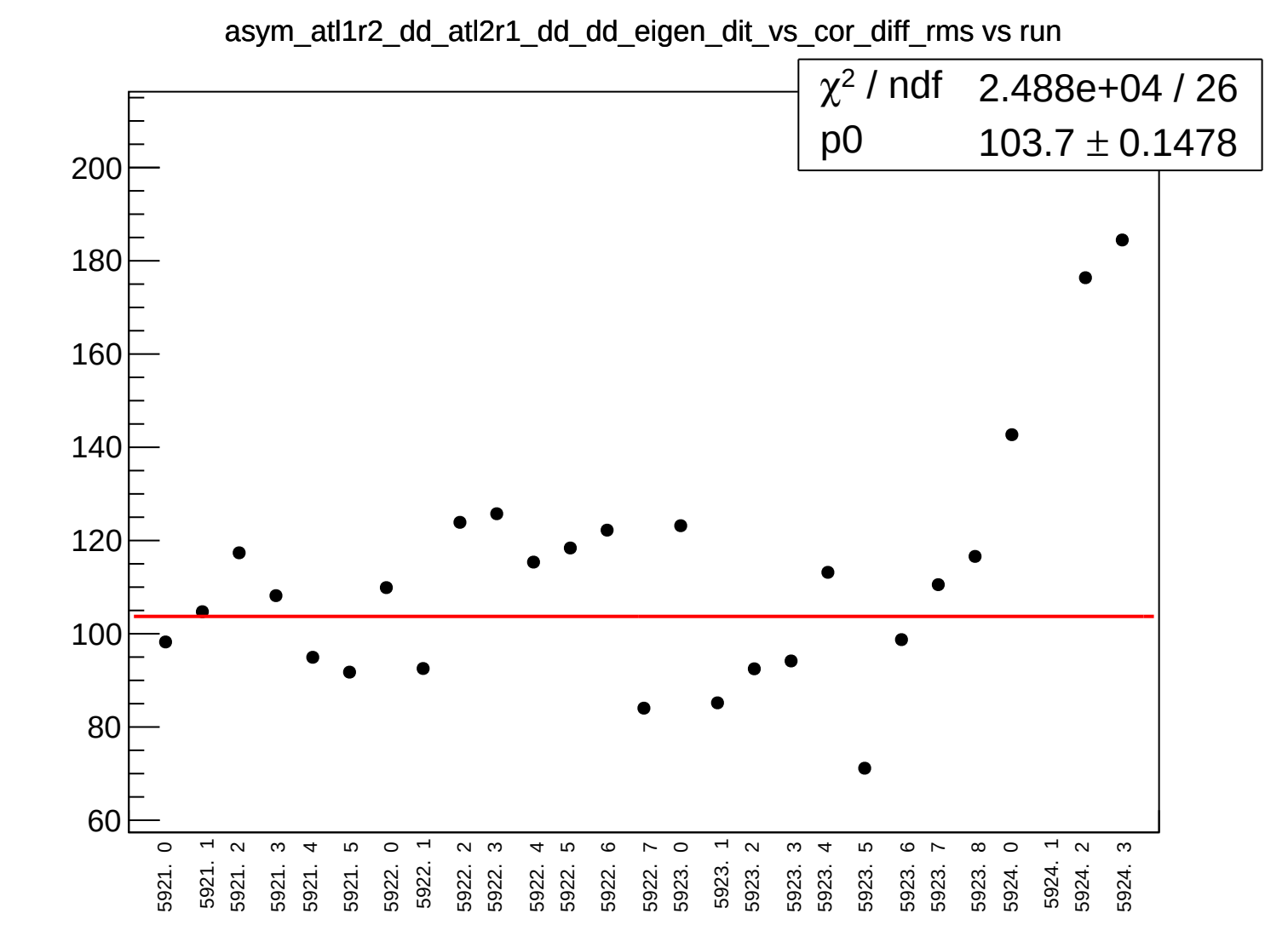

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 20.01 / 26
p0 −0.1611 ± 0.2091
pull
Entries 27
Mean 17.6
Std Dev 11.5
pull1D
Entries 27
Mean −0.1162
Std Dev 0.853

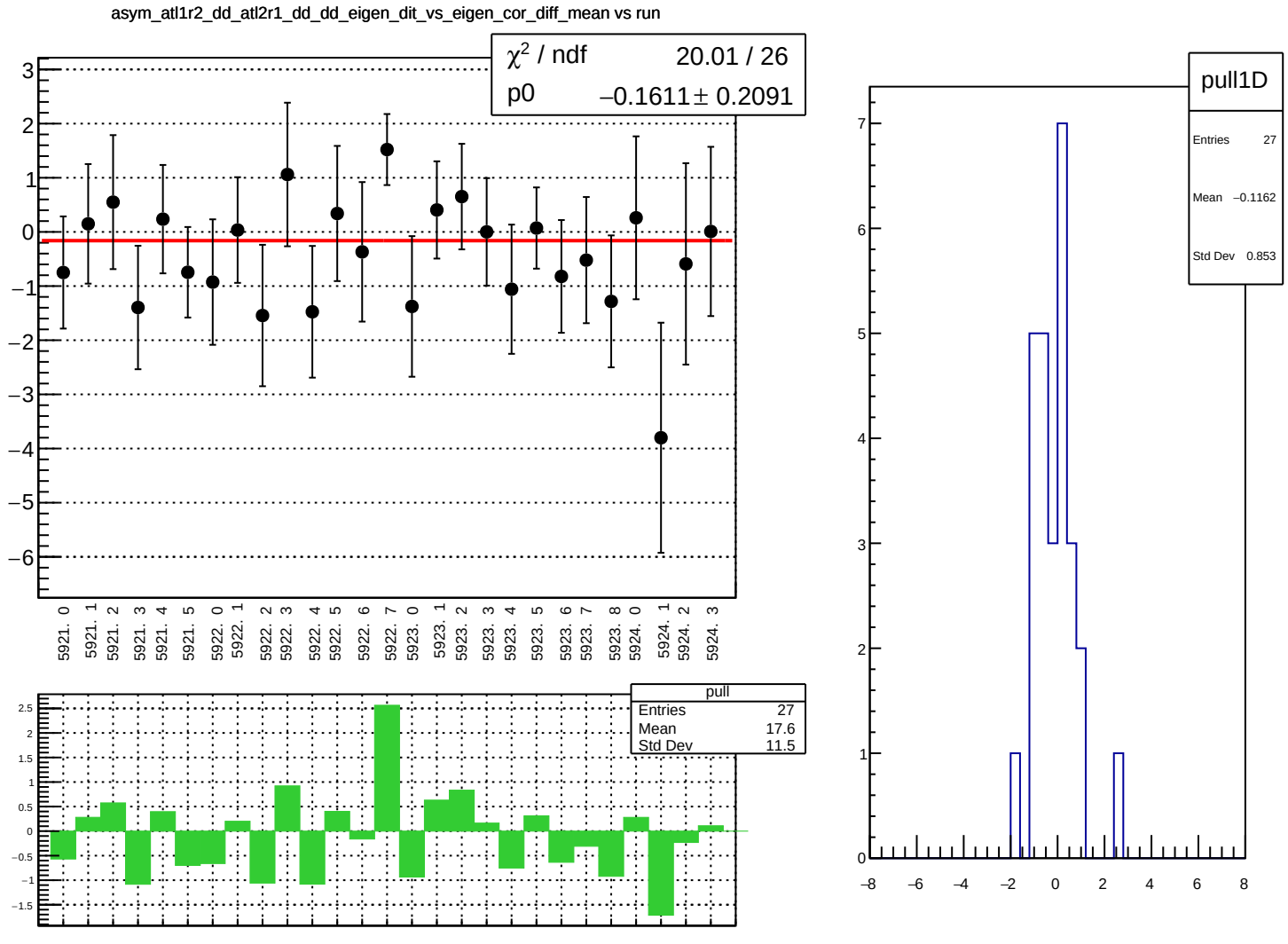

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.488e+04 / 26
p0 103.7 ± 0.1478
200
180
160
140
120
100
80
60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

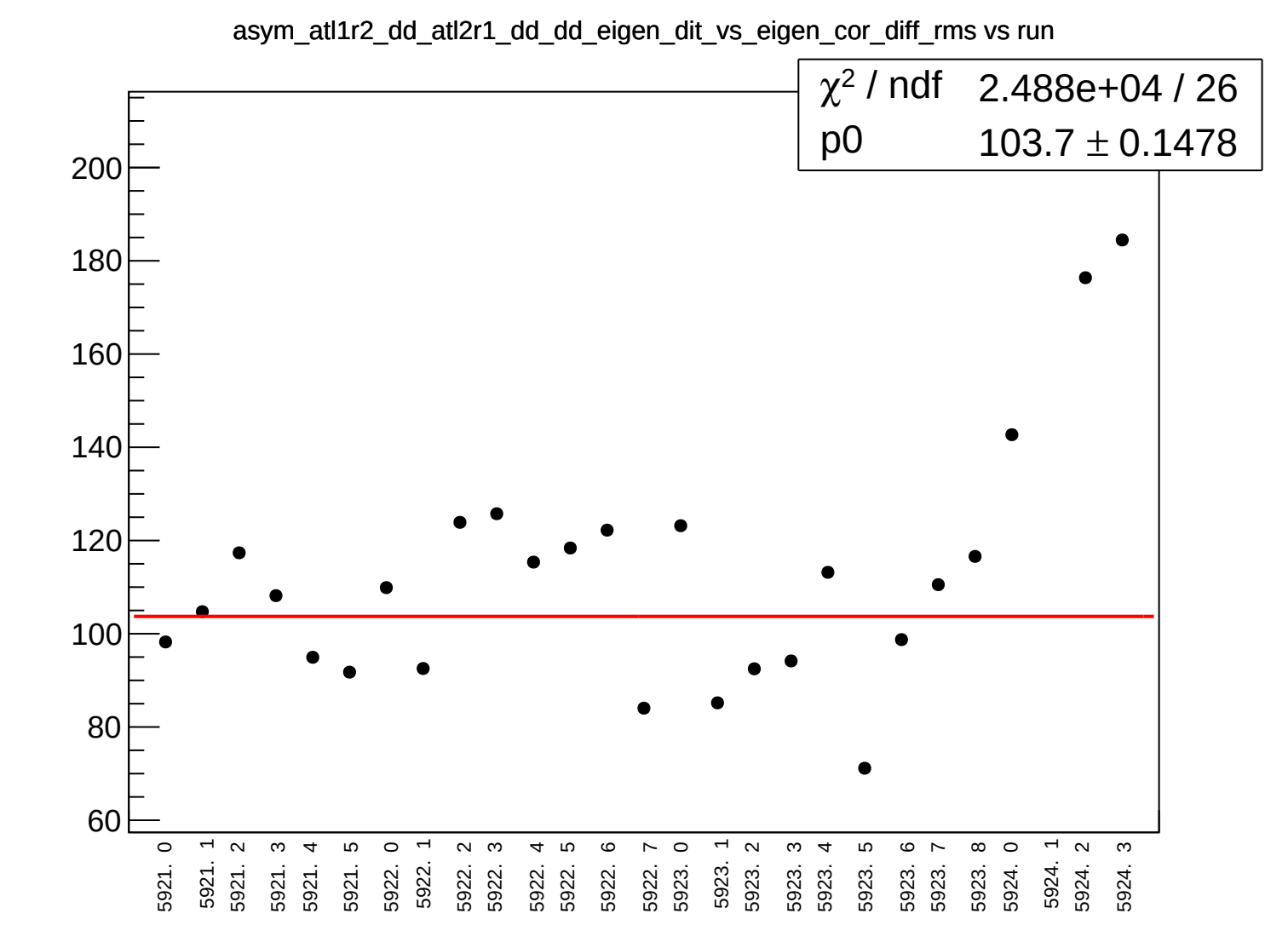

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 28.83 / 26
p0 1.746e−05 ± 2.428e−05
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 77.73
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean −0.01407
Std Dev 1.033
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

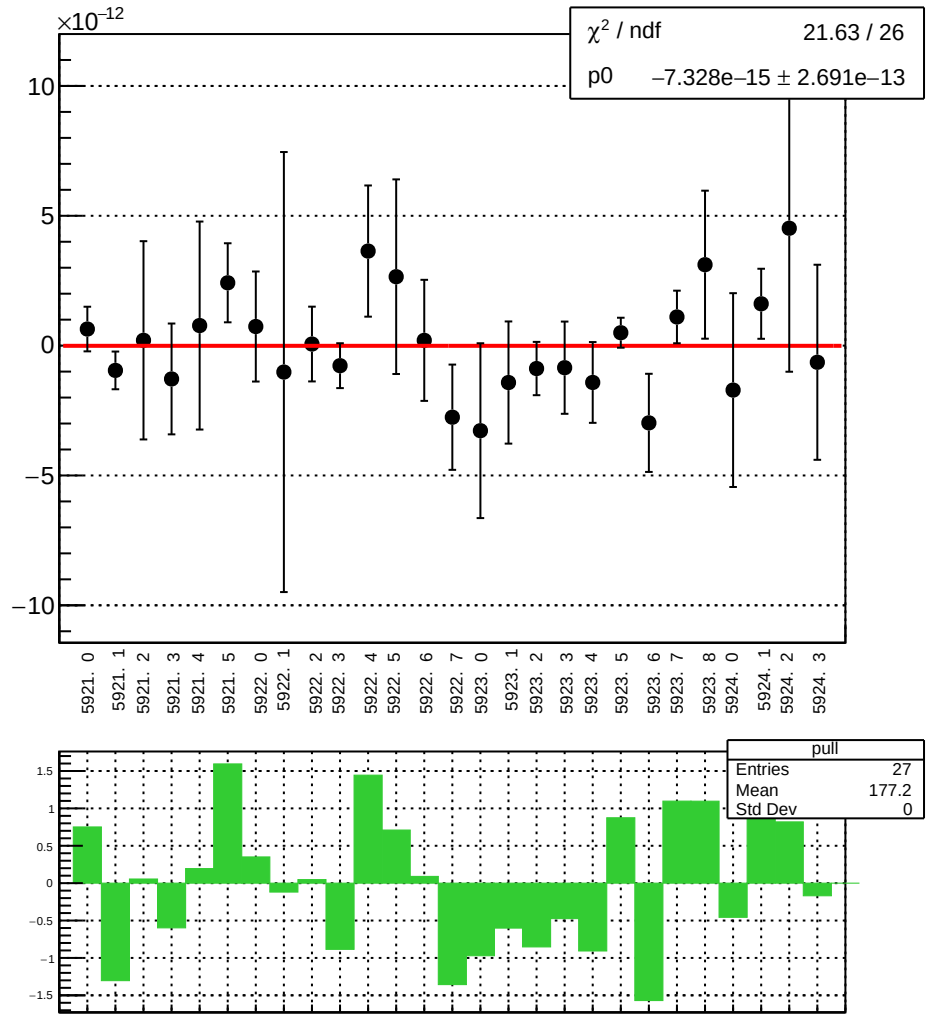

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.061e+04 / 26
p0 0.01222 ± 1.717e–05
0.018
0.017
0.016
0.015
0.014
0.013
0.012
0.011
0.01
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

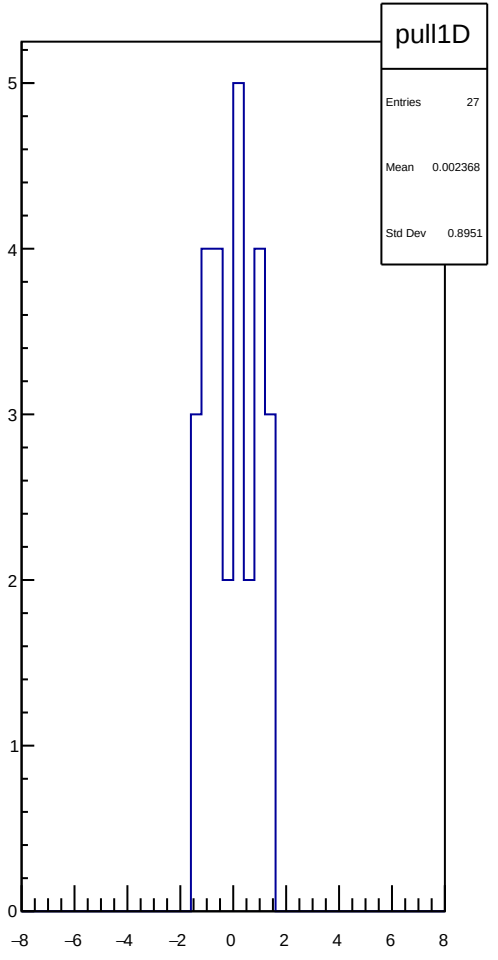

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 20.01 / 26
p0 −0.1611 ± 0.2091
pull
Entries 27
Mean 17.6
Std Dev 11.5
pull1D
Entries 27
Mean −0.1162
Std Dev 0.853

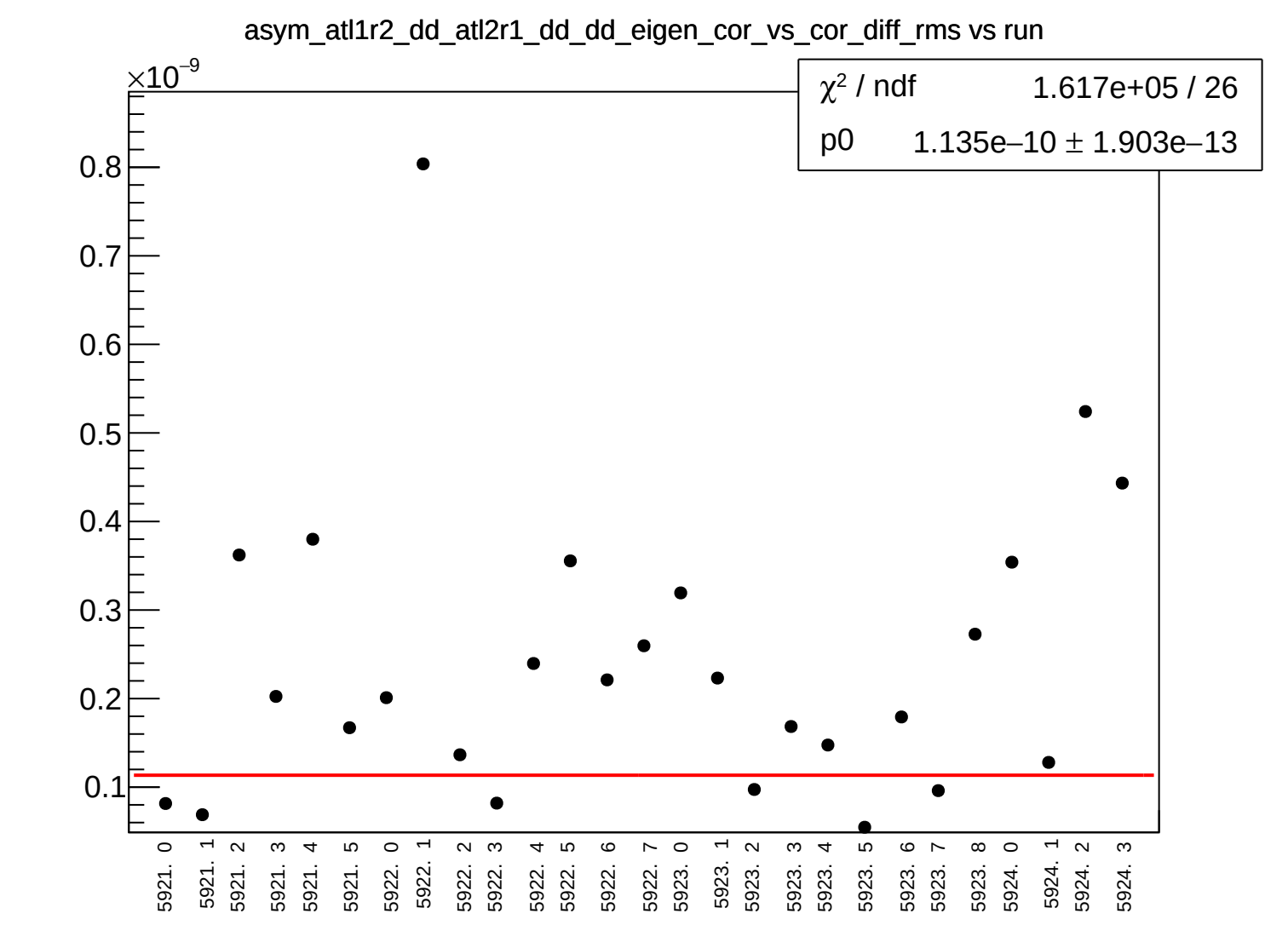

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.488e+04 / 26
p0 103.7 ± 0.1478
200
180
160
140
120
100
80
60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

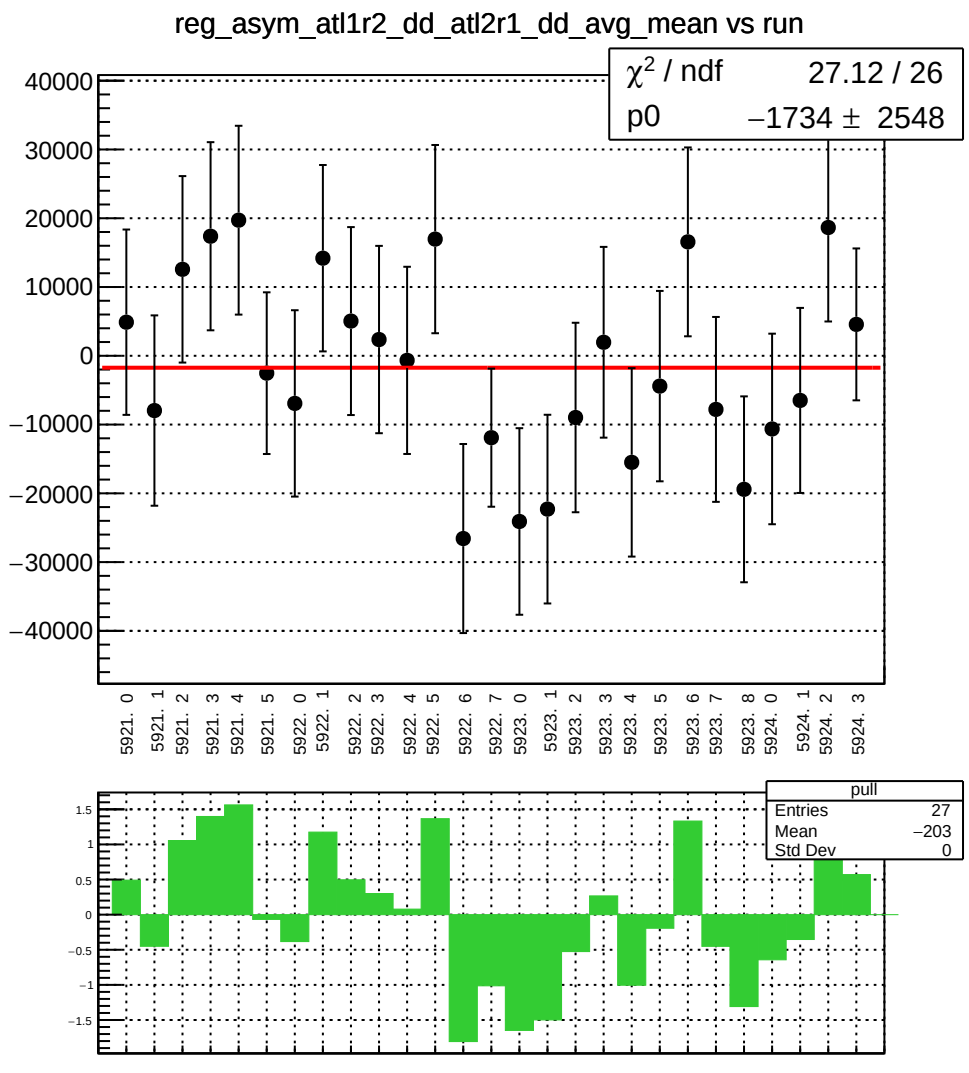

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 20.01 / 26
p0 −0.1611 ± 0.2091
pull
Entries 27
Mean 17.6
Std Dev 11.5
pull1D
Entries 27
Mean −0.1162
Std Dev 0.853

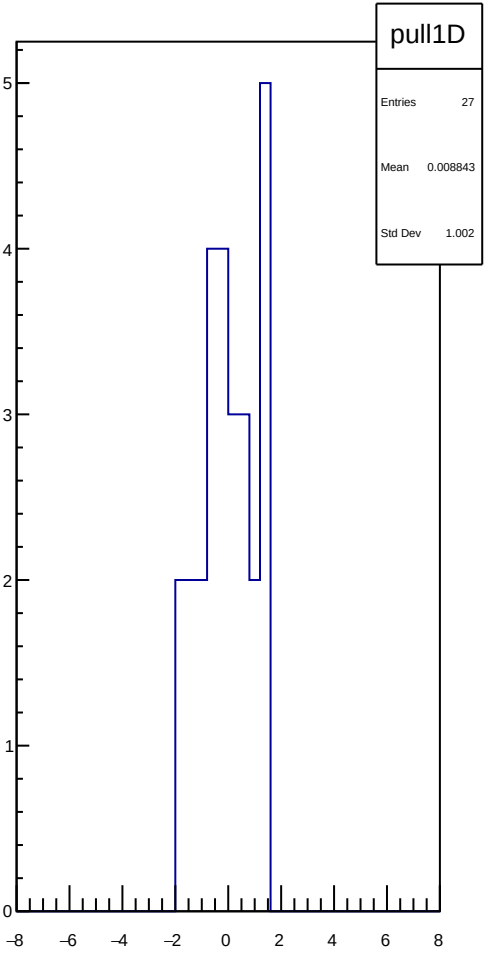

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.488e+04 / 26
p0 103.7 ± 0.1478
200
180
160
140
120
100
80
60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

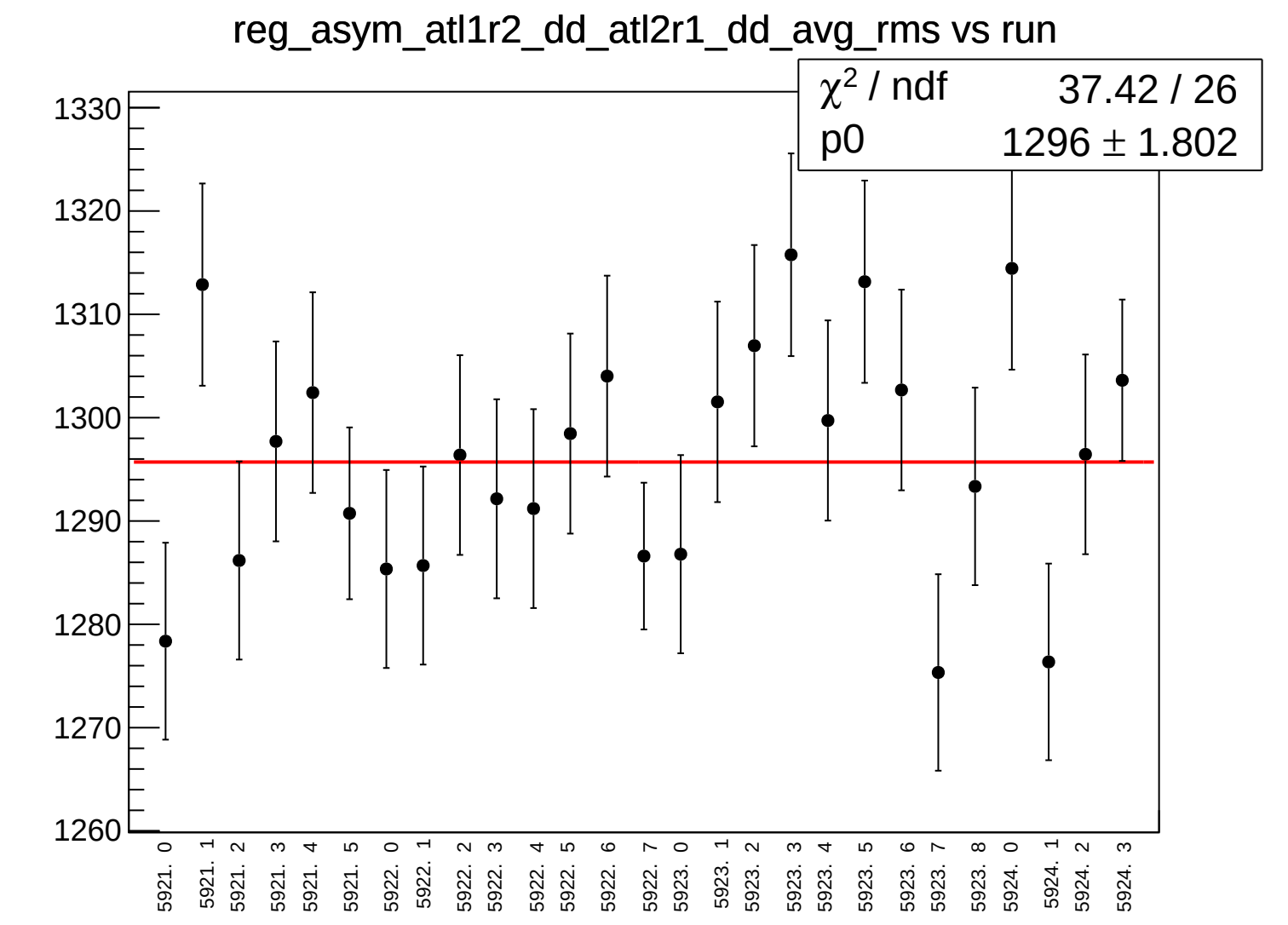

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 21.63 / 26
p0 −7.328e−15 ± 2.691e−13
10
5
0
−5
−10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 177.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

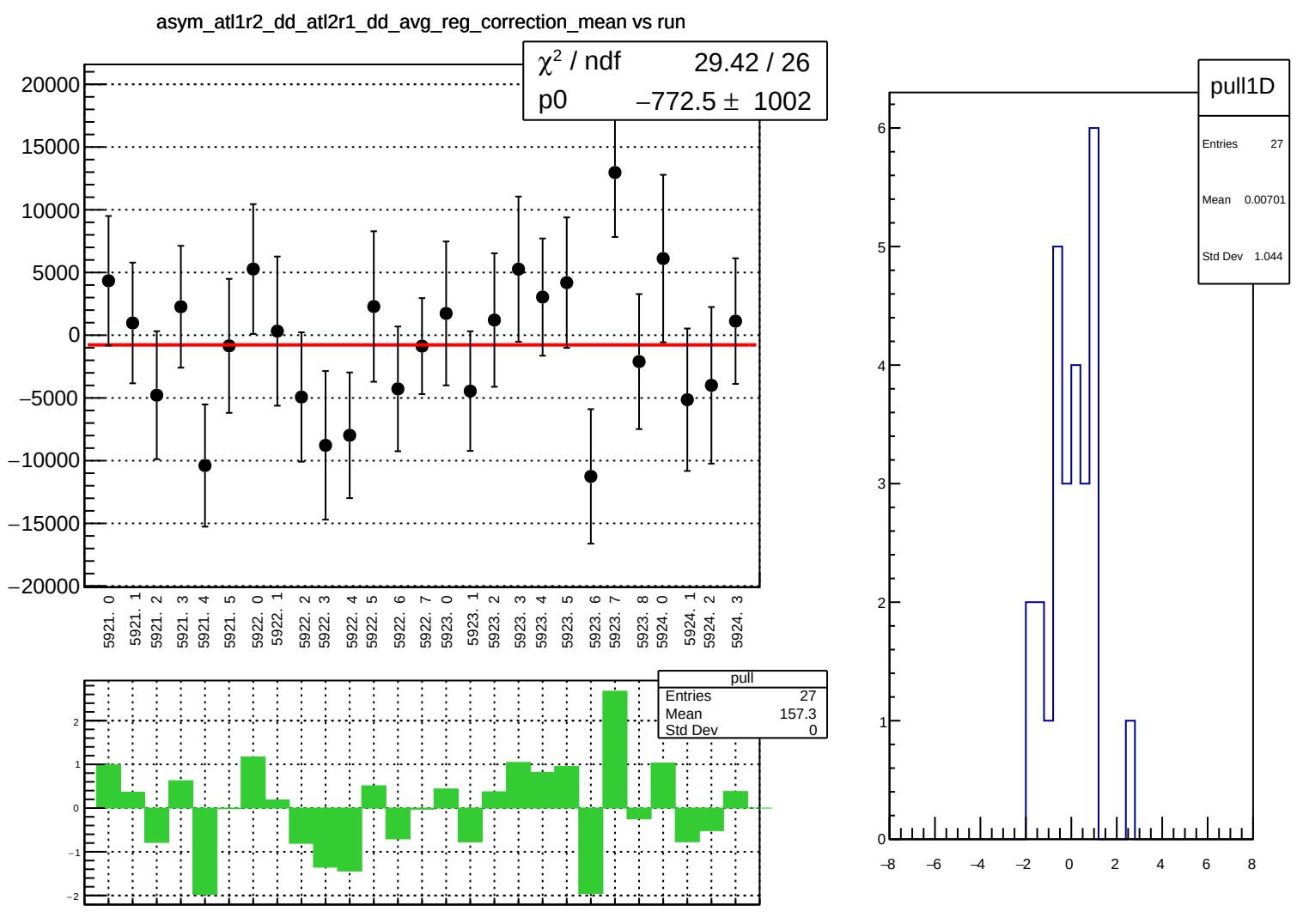

pull1D
Entries 27
Mean 0.002368
Std Dev 0.8951
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

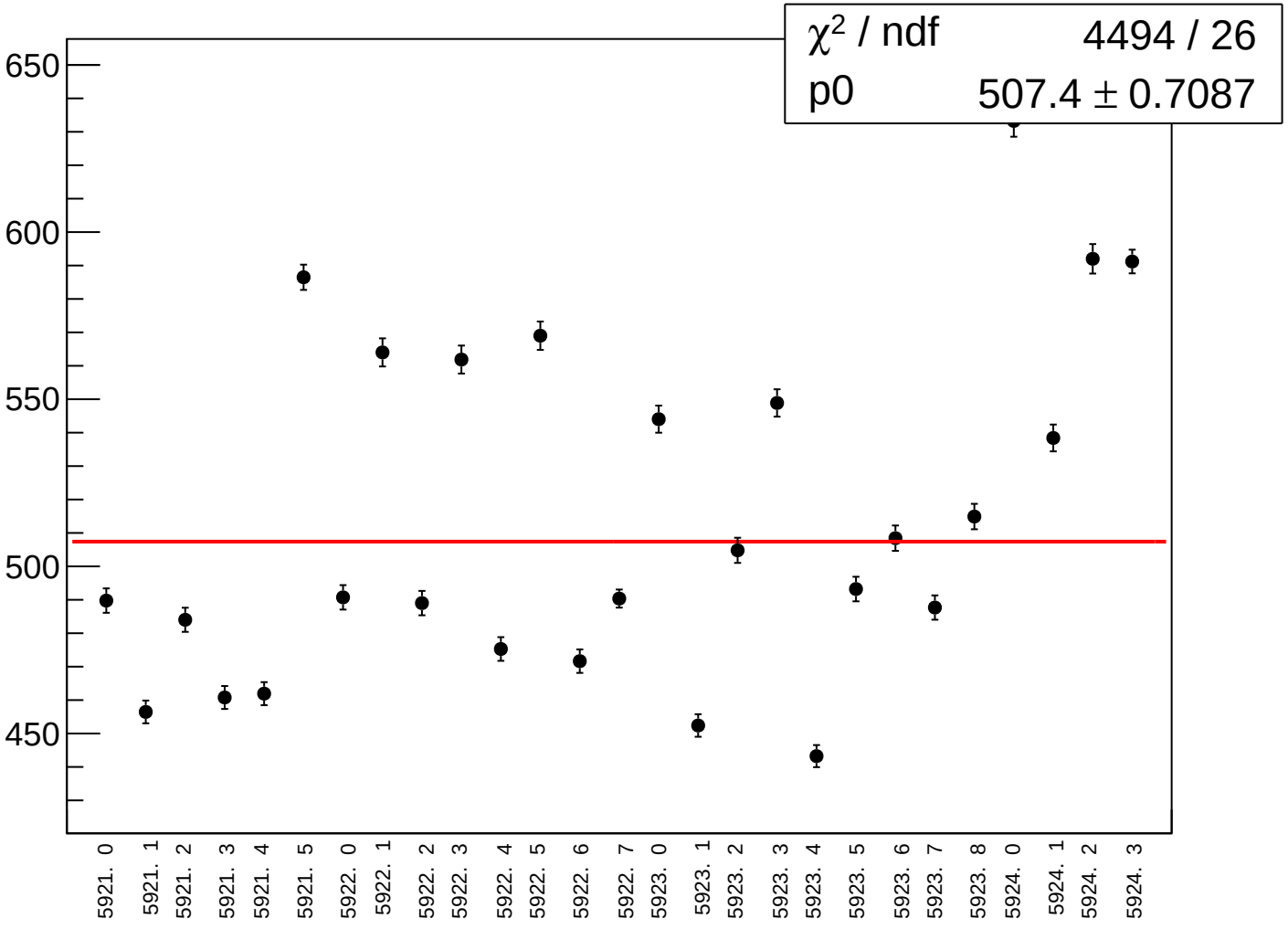

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.617e+05 / 26
p0 1.135e−10 ± 1.903e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

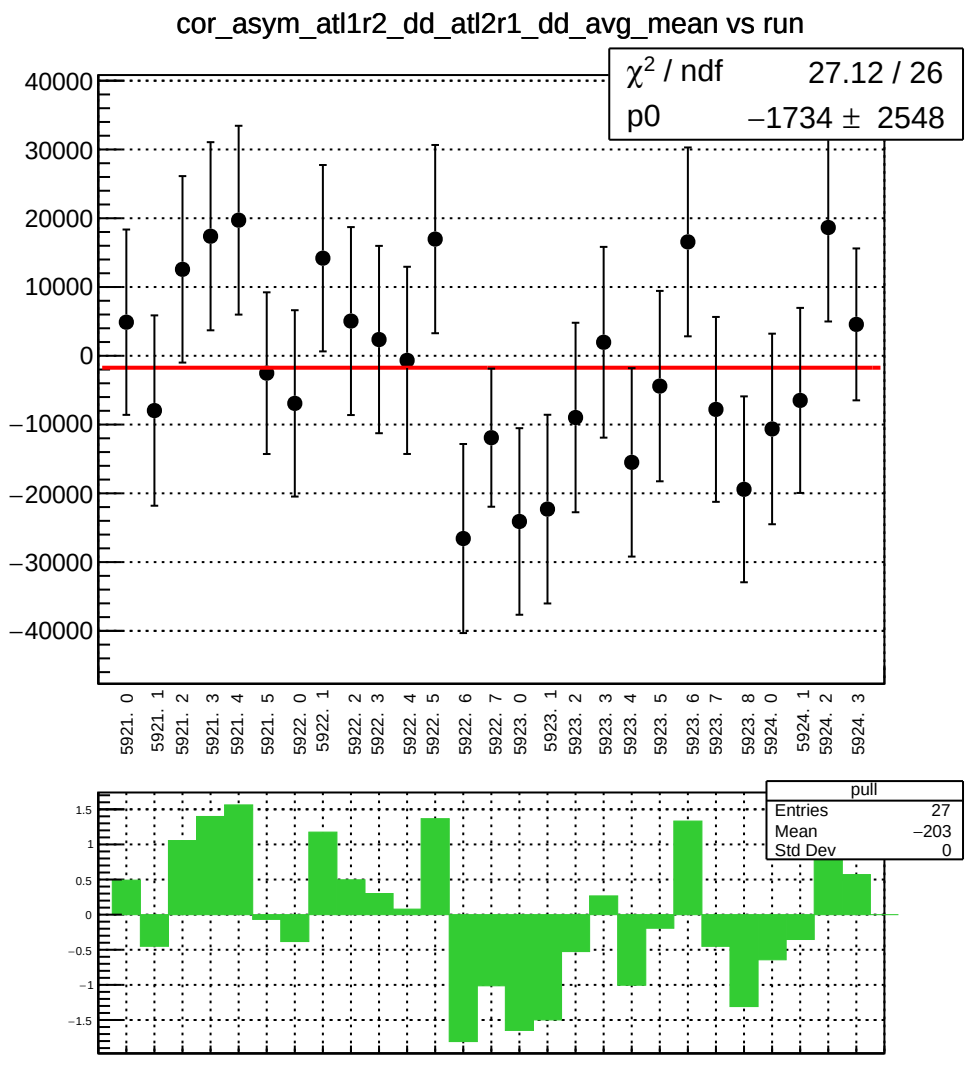

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 27.12 / 26
p0 −1734 ± 2548
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −203
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

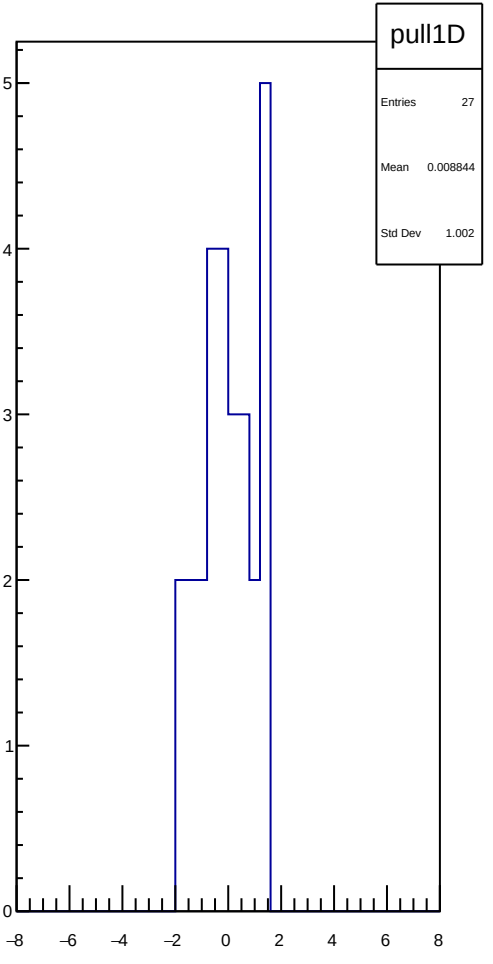

pull1D
Entries 27
Mean 0.008843
Std Dev 1.002
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

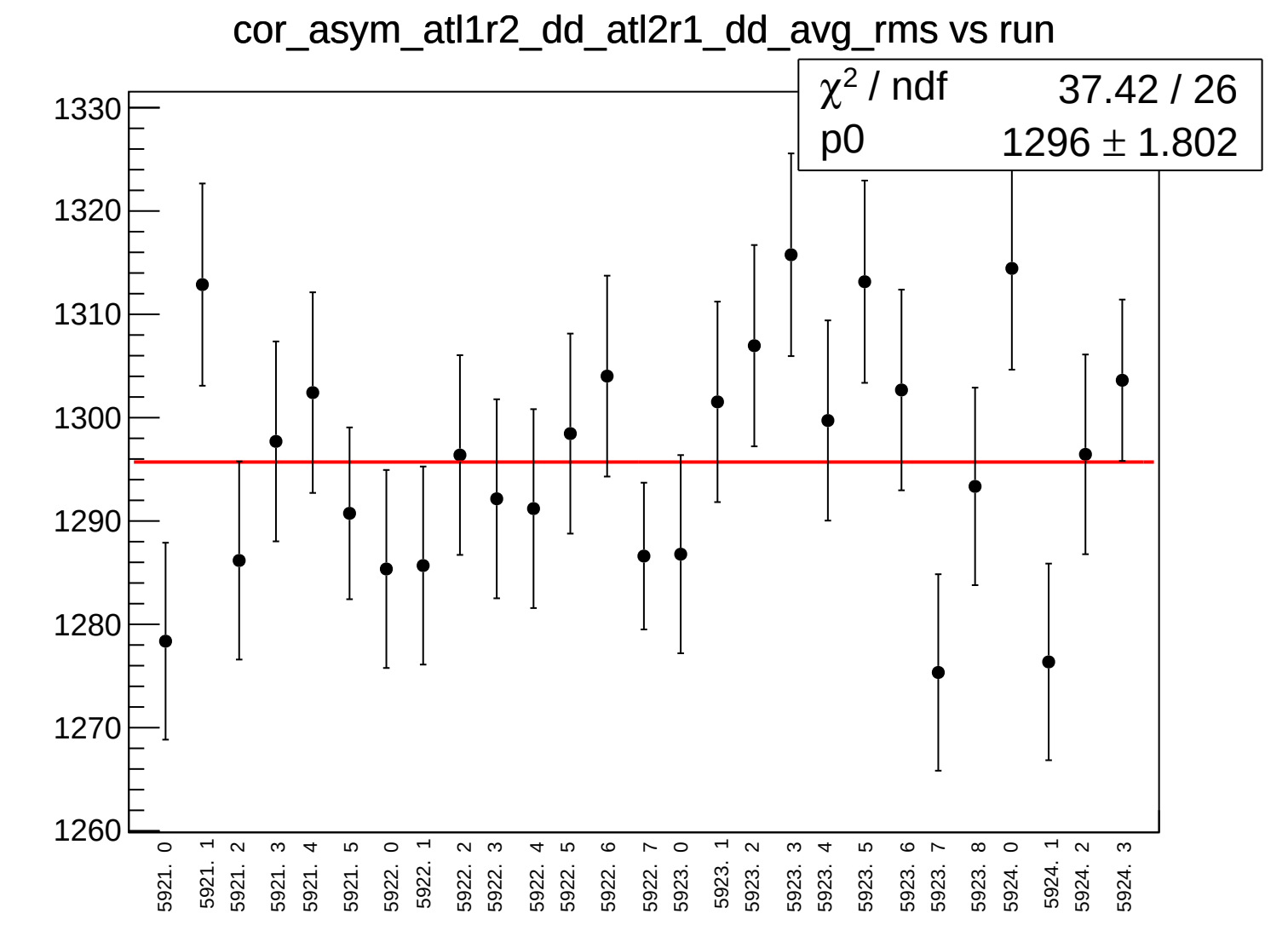

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 37.42 / 26
p0 1296 ± 1.802
1330
1320
1310
1300
1290
1280
1270
1260
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

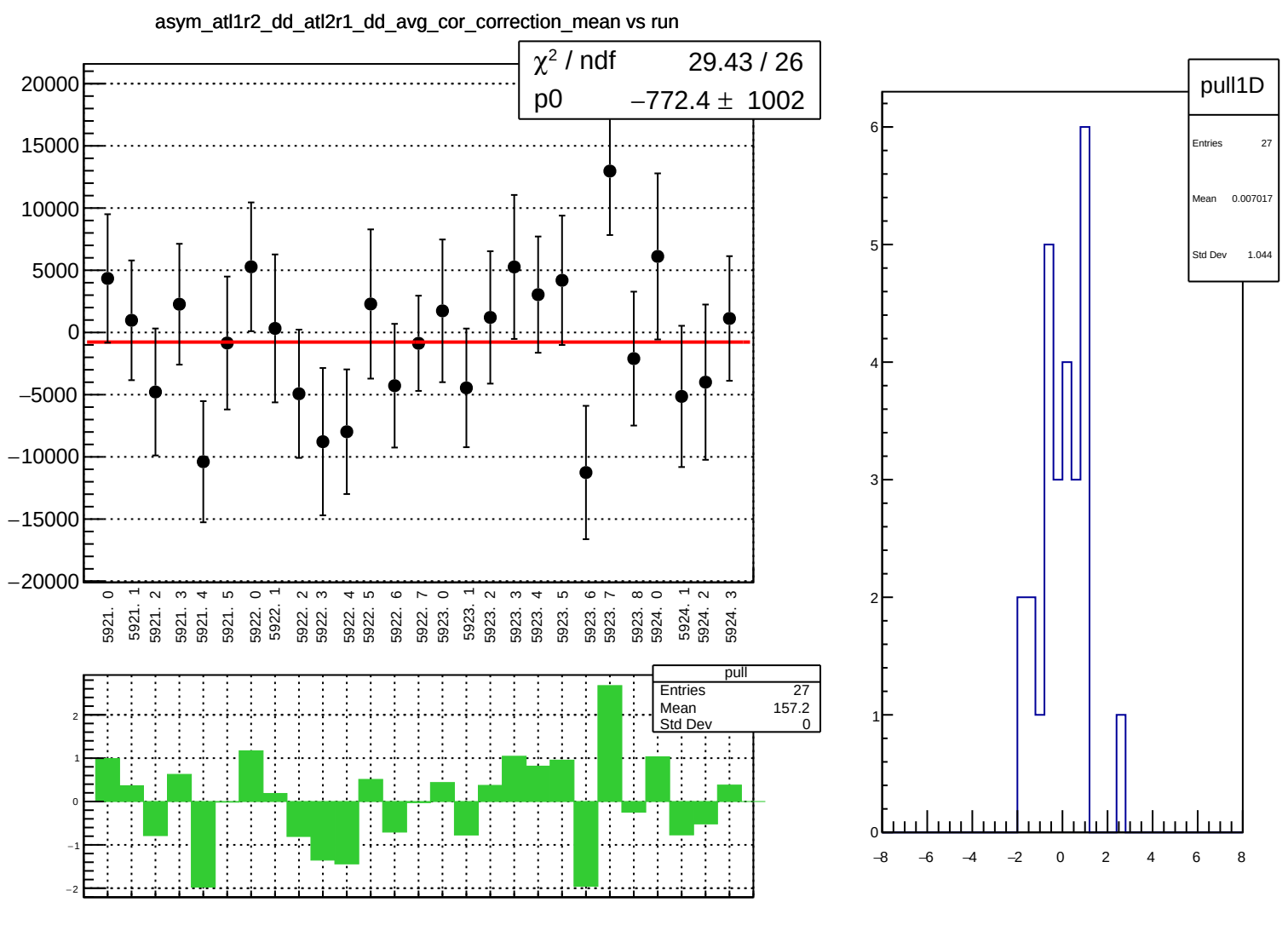

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_mean vs run
χ² / ndf 29.42 / 26
p0 −772.5 ± 1002
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 157.3
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.00701
Std Dev 1.044
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

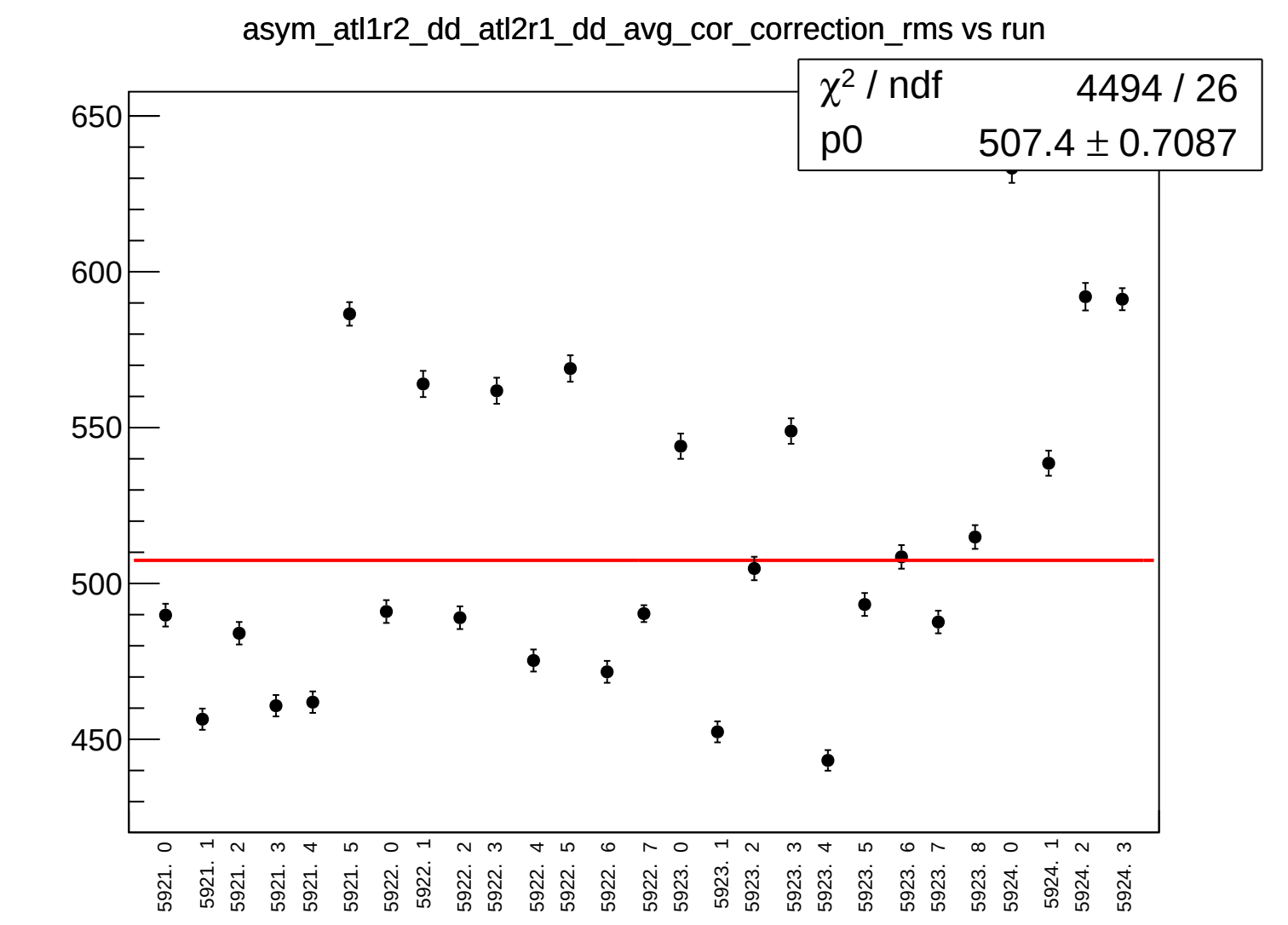

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs run
χ² / ndf 4494 / 26
p0 507.4 ± 0.7087
650
600
550
500
450
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

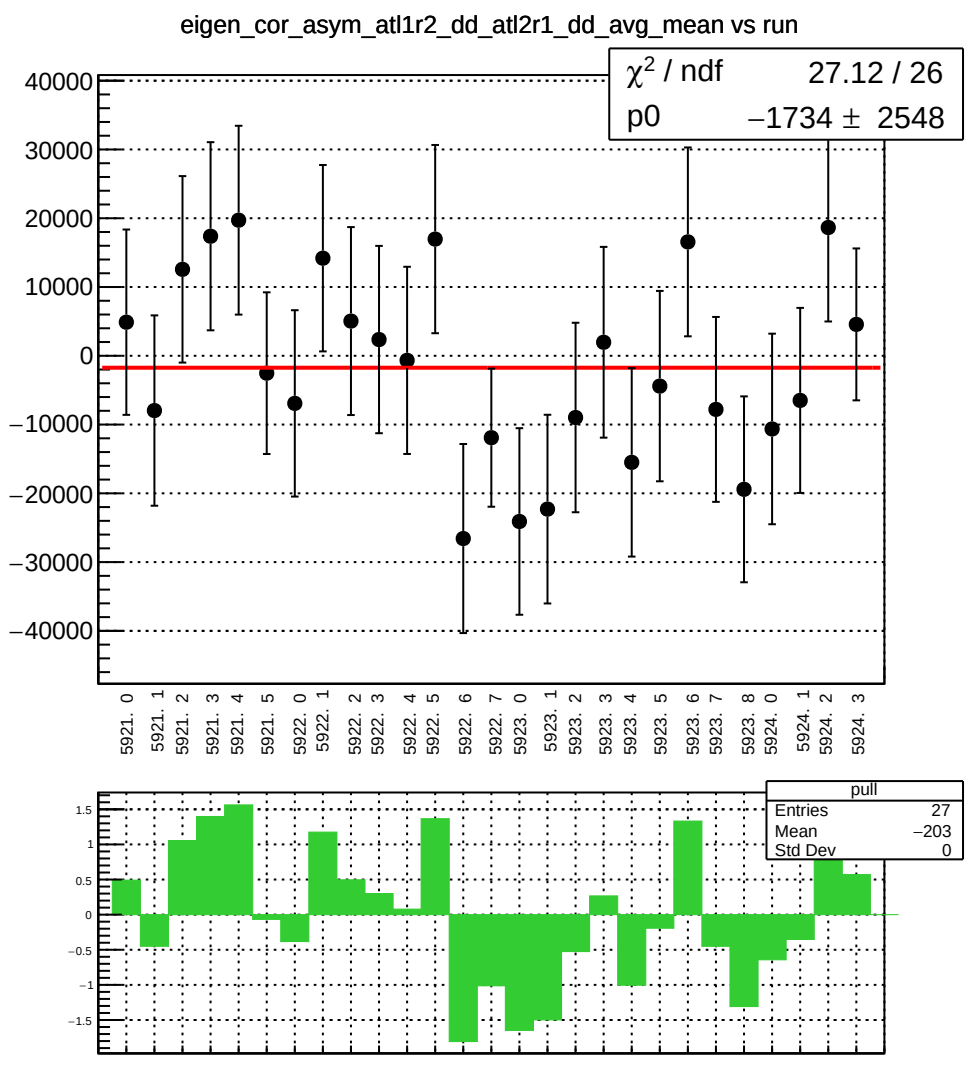

cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 27.12 / 26
p0 −1734 ± 2548
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −203
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

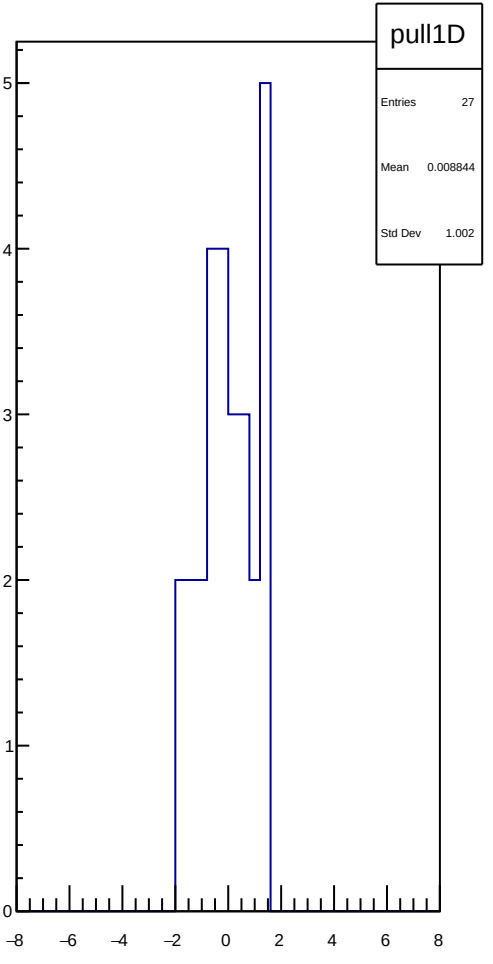

pull1D
Entries 27
Mean 0.008844
Std Dev 1.002
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

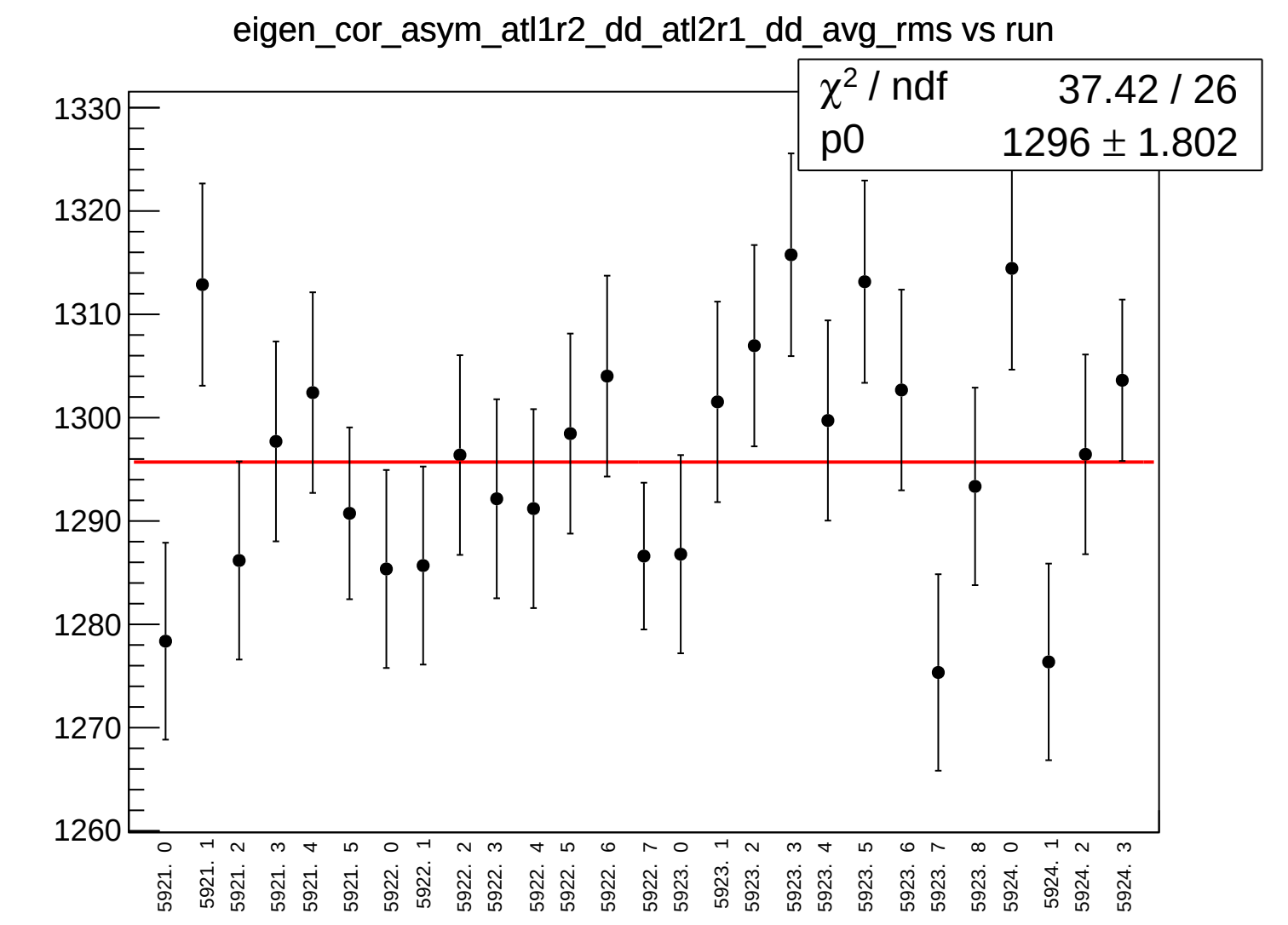

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 37.42 / 26
p0 1296 ± 1.802
1330
1320
1310
1300
1290
1280
1270
1260
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

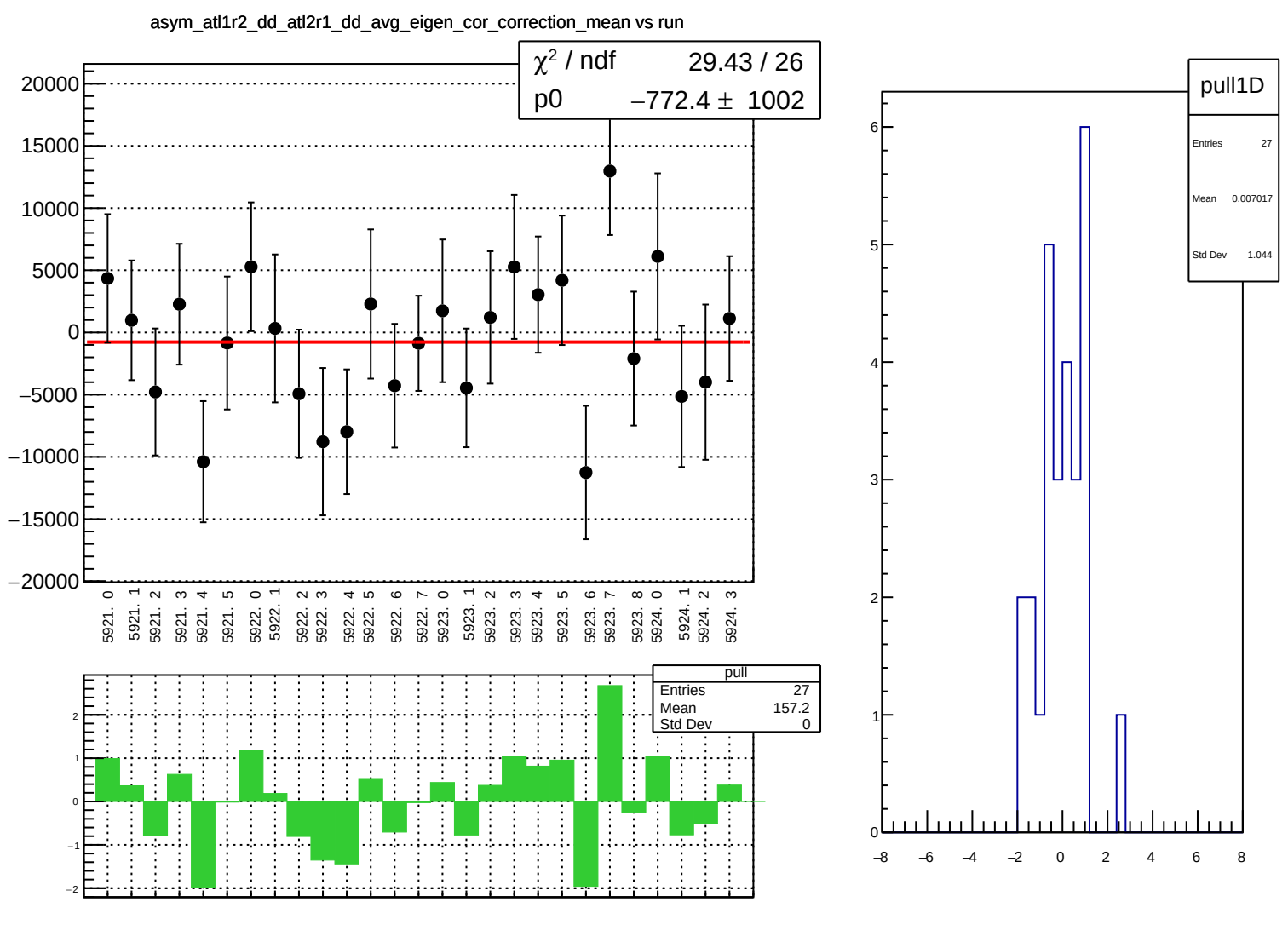

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_mean vs run
χ² / ndf 29.43 / 26
p0 −772.4 ± 1002
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 157.2
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.007017
Std Dev 1.044
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

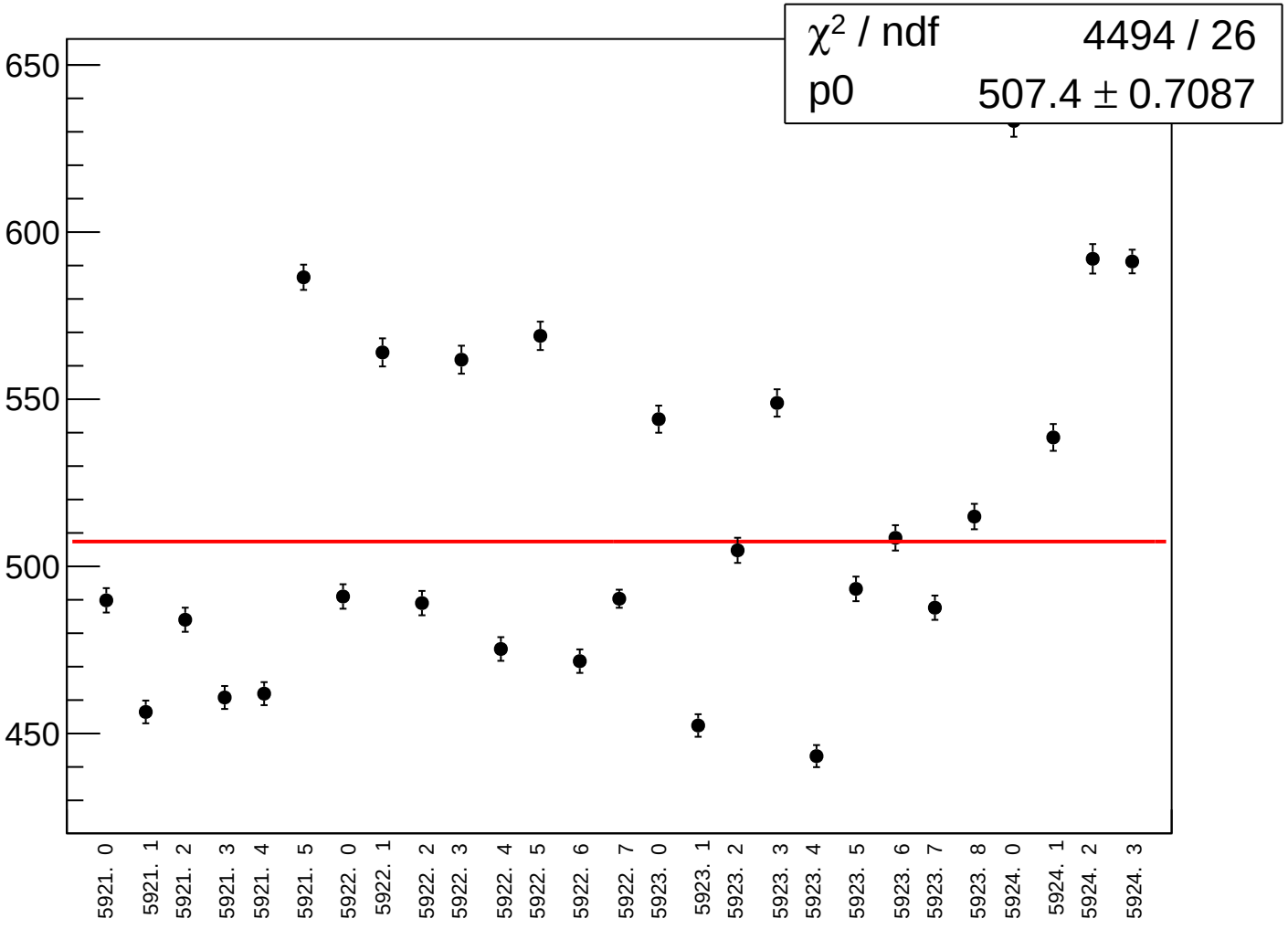

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs run
χ² / ndf 4494 / 26
p0 507.4 ± 0.7087
650
600
550
500
450
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

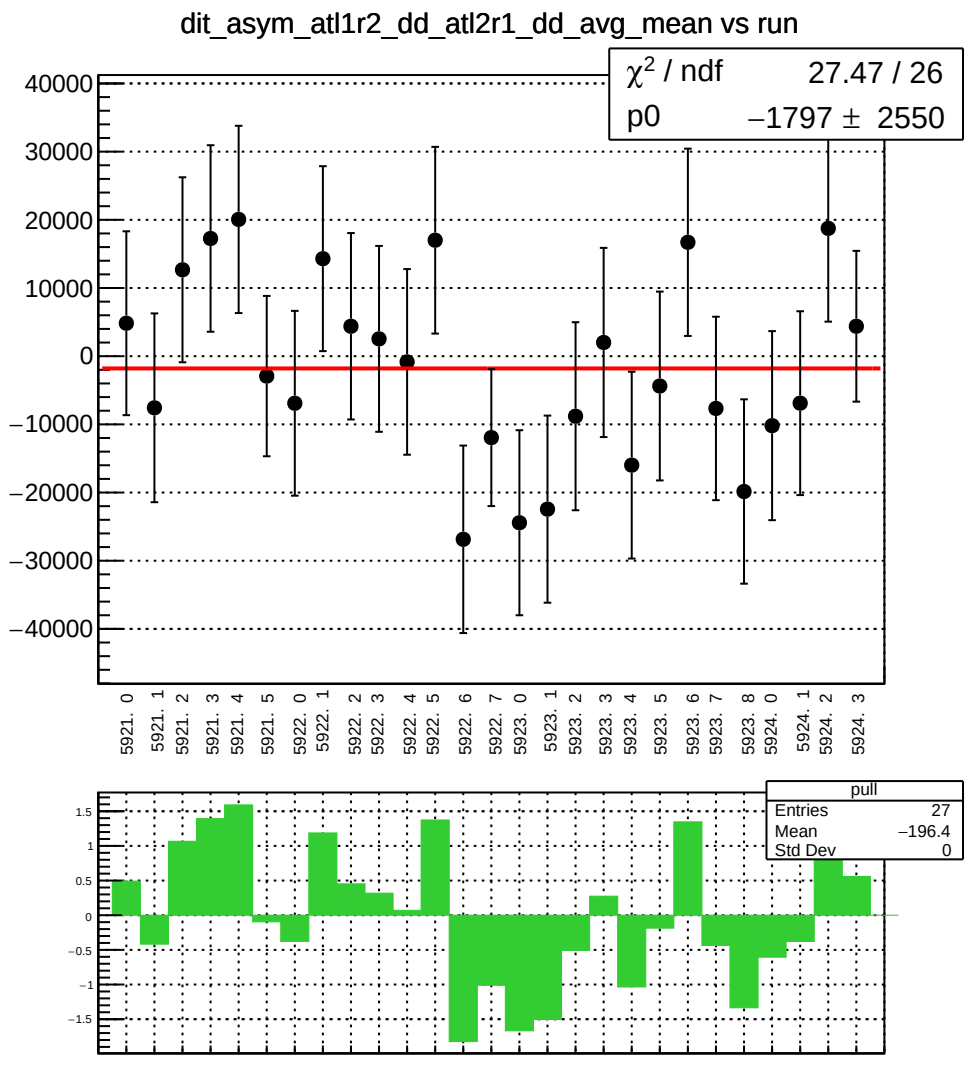

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 27.12 / 26
p0 −1734 ± 2548
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −203
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

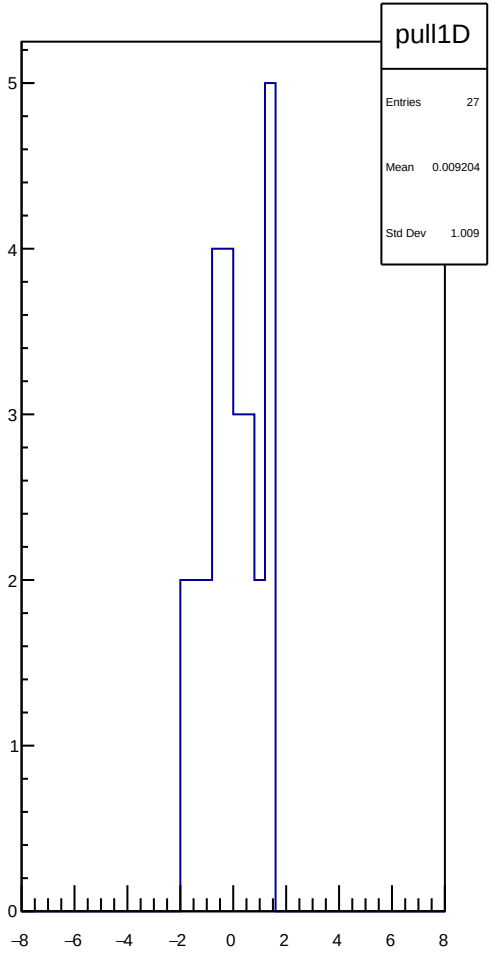

pull1D
Entries 27
Mean 0.008844
Std Dev 1.002
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

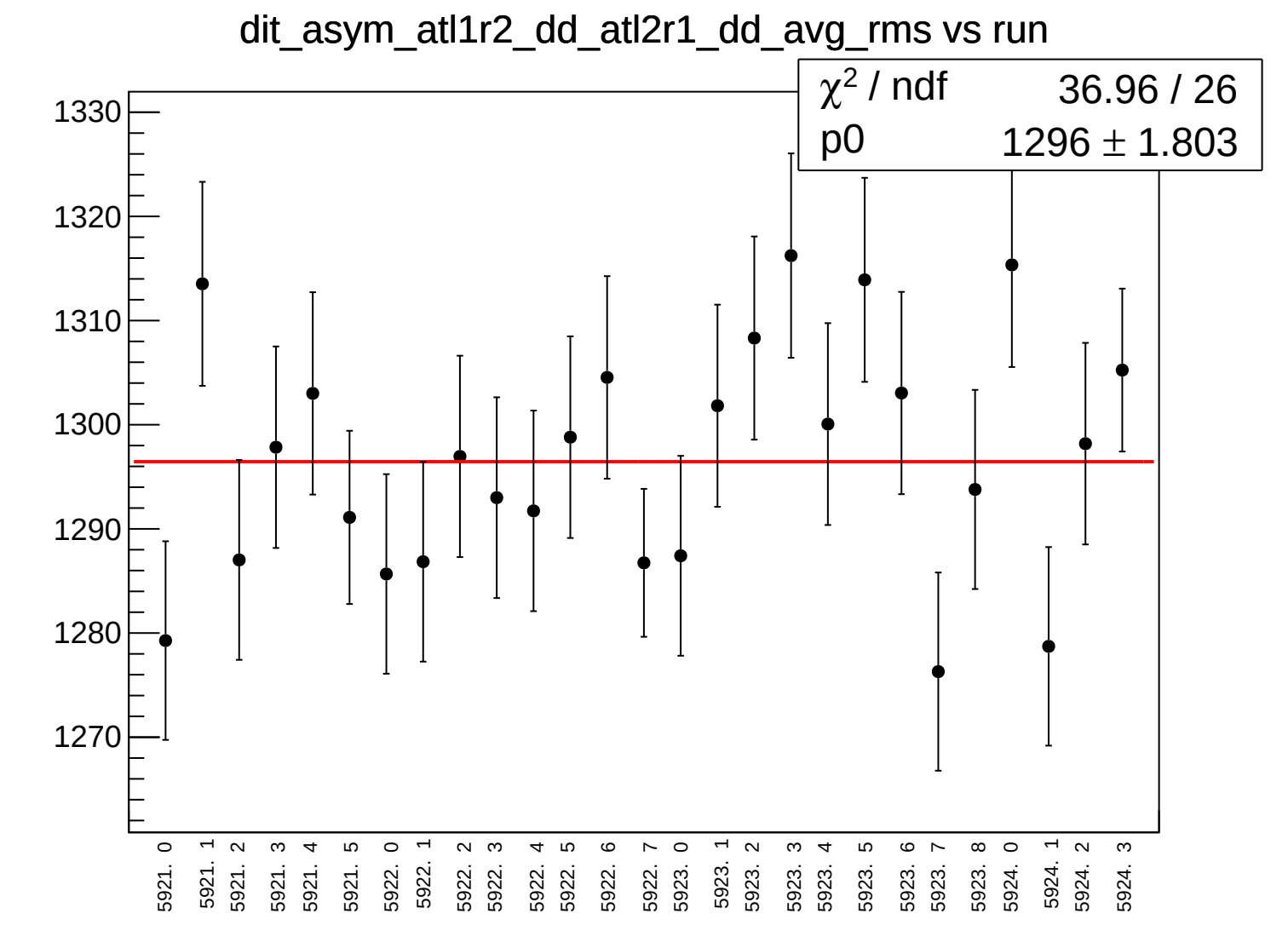

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 37.42 / 26
p0 1296 ± 1.802
1330
1320
1310
1300
1290
1280
1270
1260
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 29.43 / 26
p0 −772.4 ± 1002
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 157.2
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.007017
Std Dev 1.044
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 4494 / 26
p0 507.4 ± 0.7087
650
600
550
500
450
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 27.47 / 26
p0 −1797 ± 2550
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −196.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 27
Mean 0.009204
Std Dev 1.009
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 36.96 / 26
p0 1296 ± 1.803
1330
1320
1310
1300
1290
1280
1270
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
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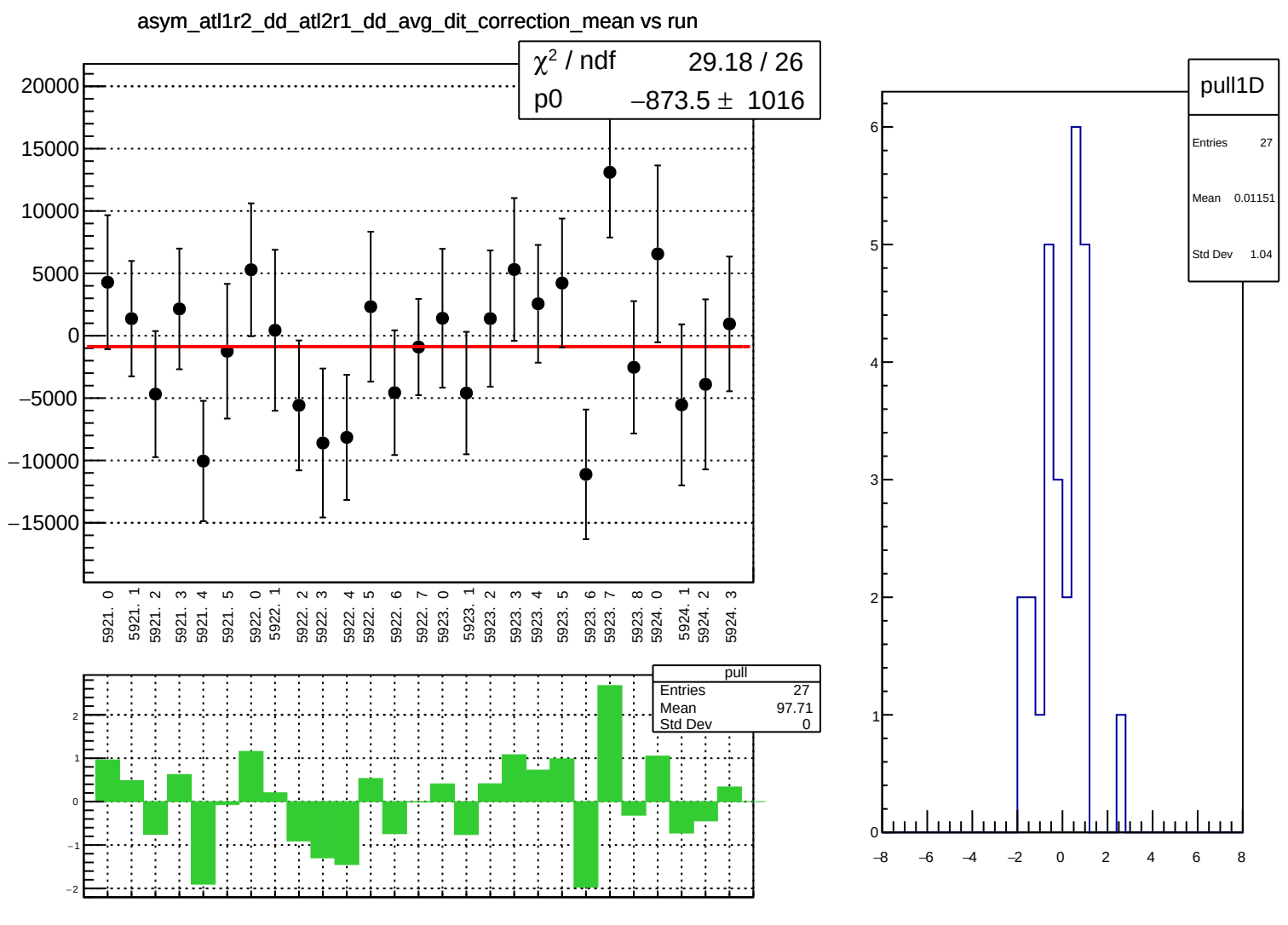
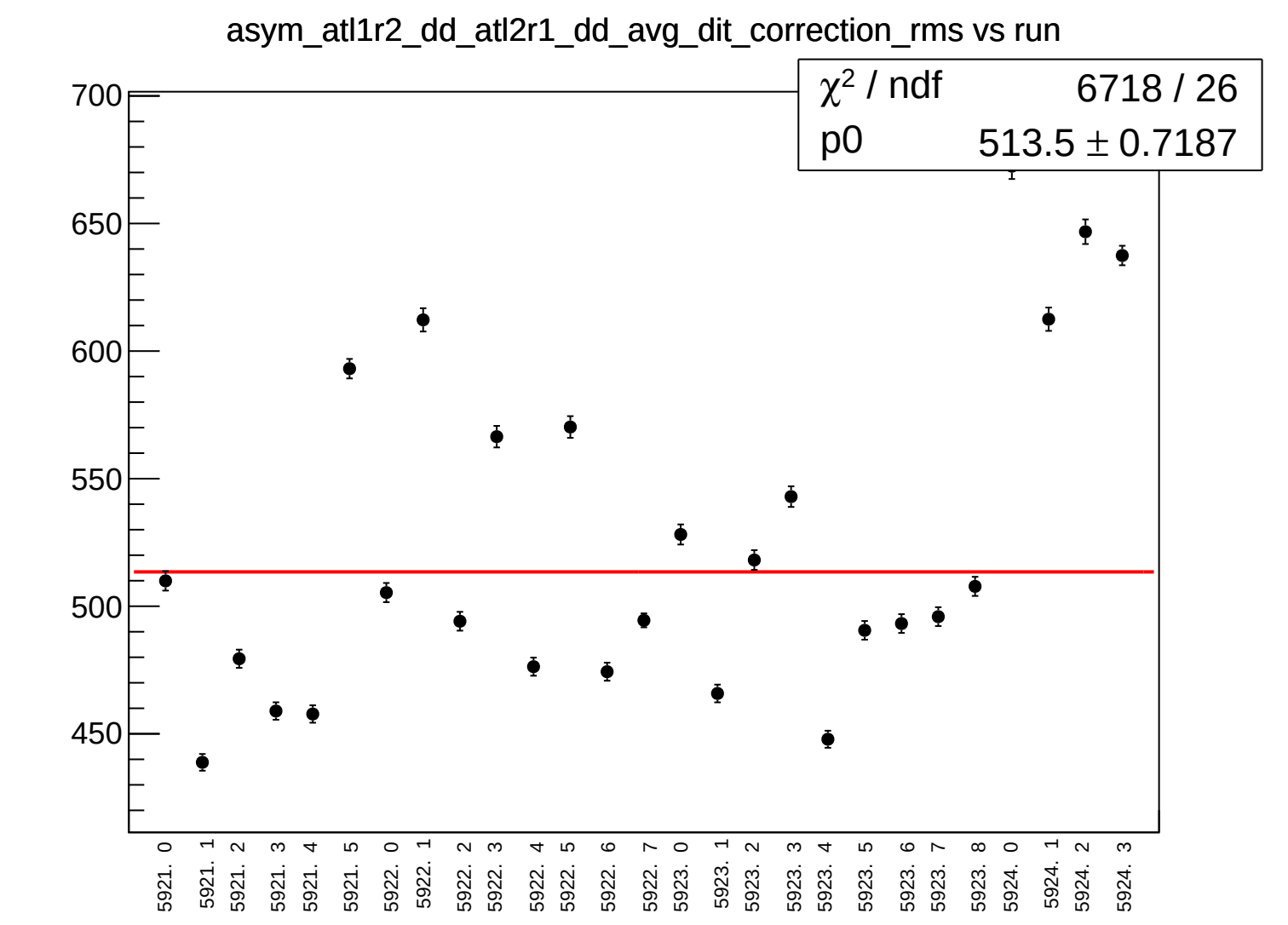
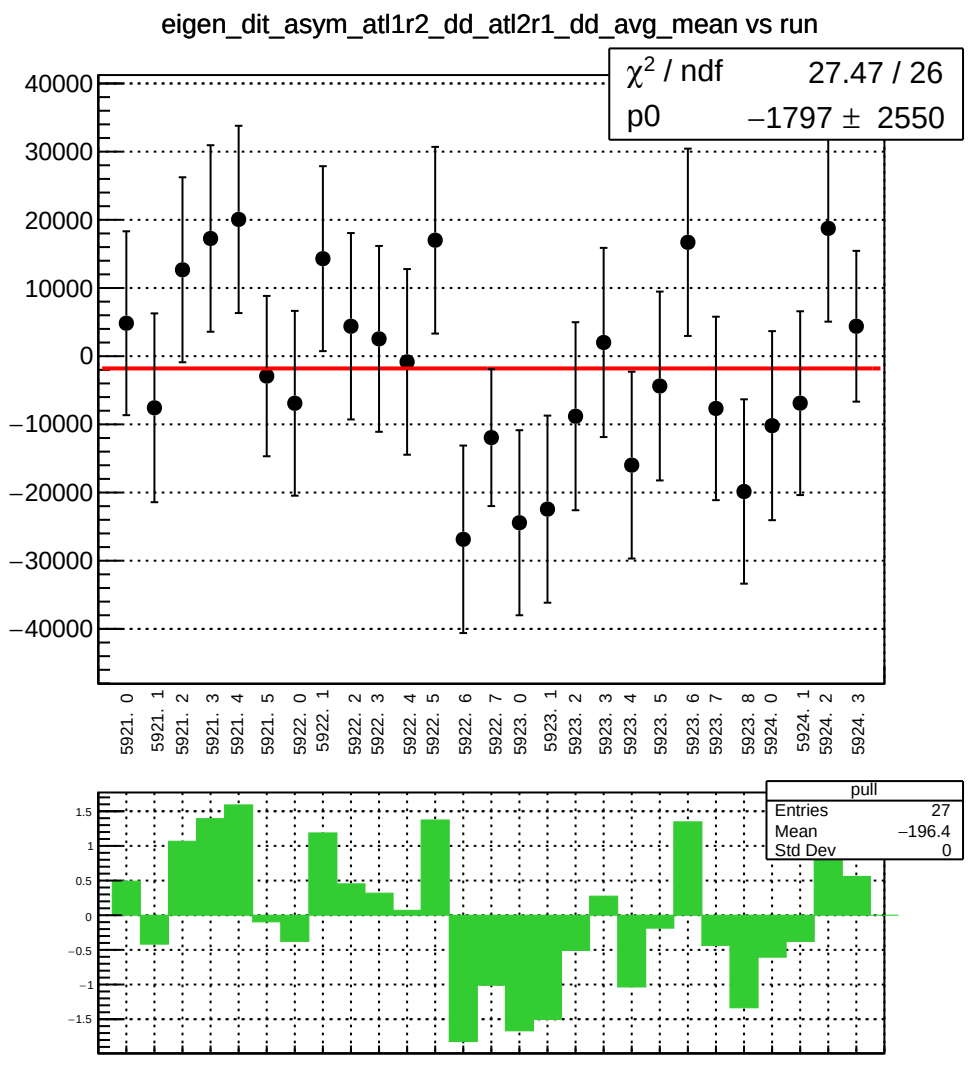
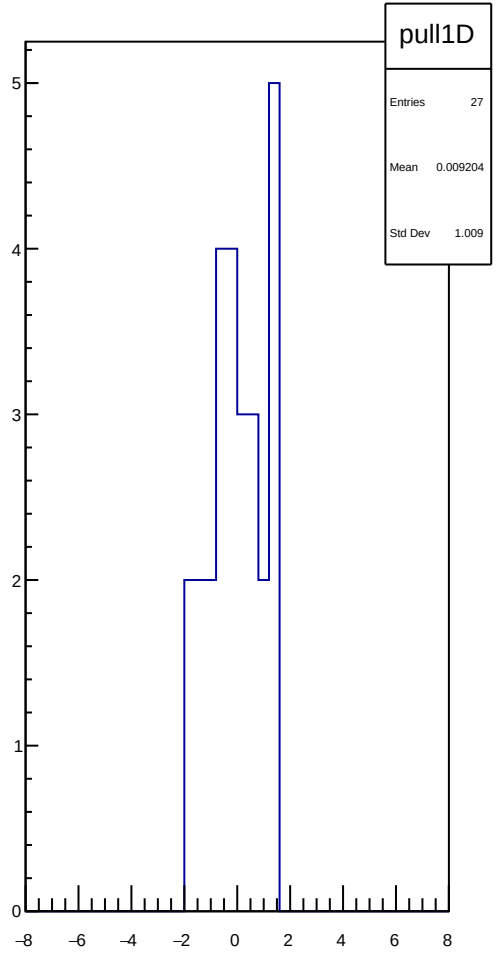
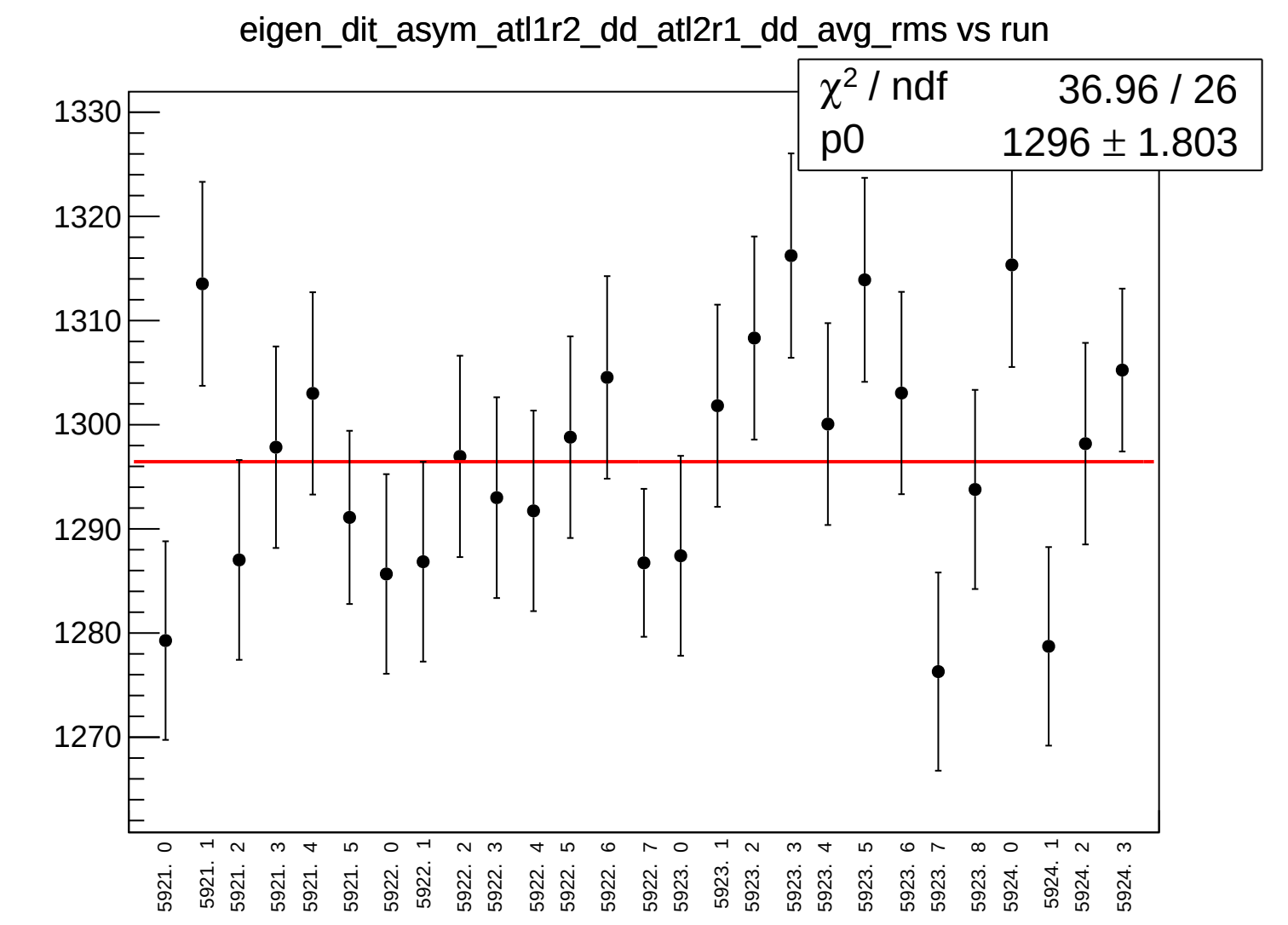
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

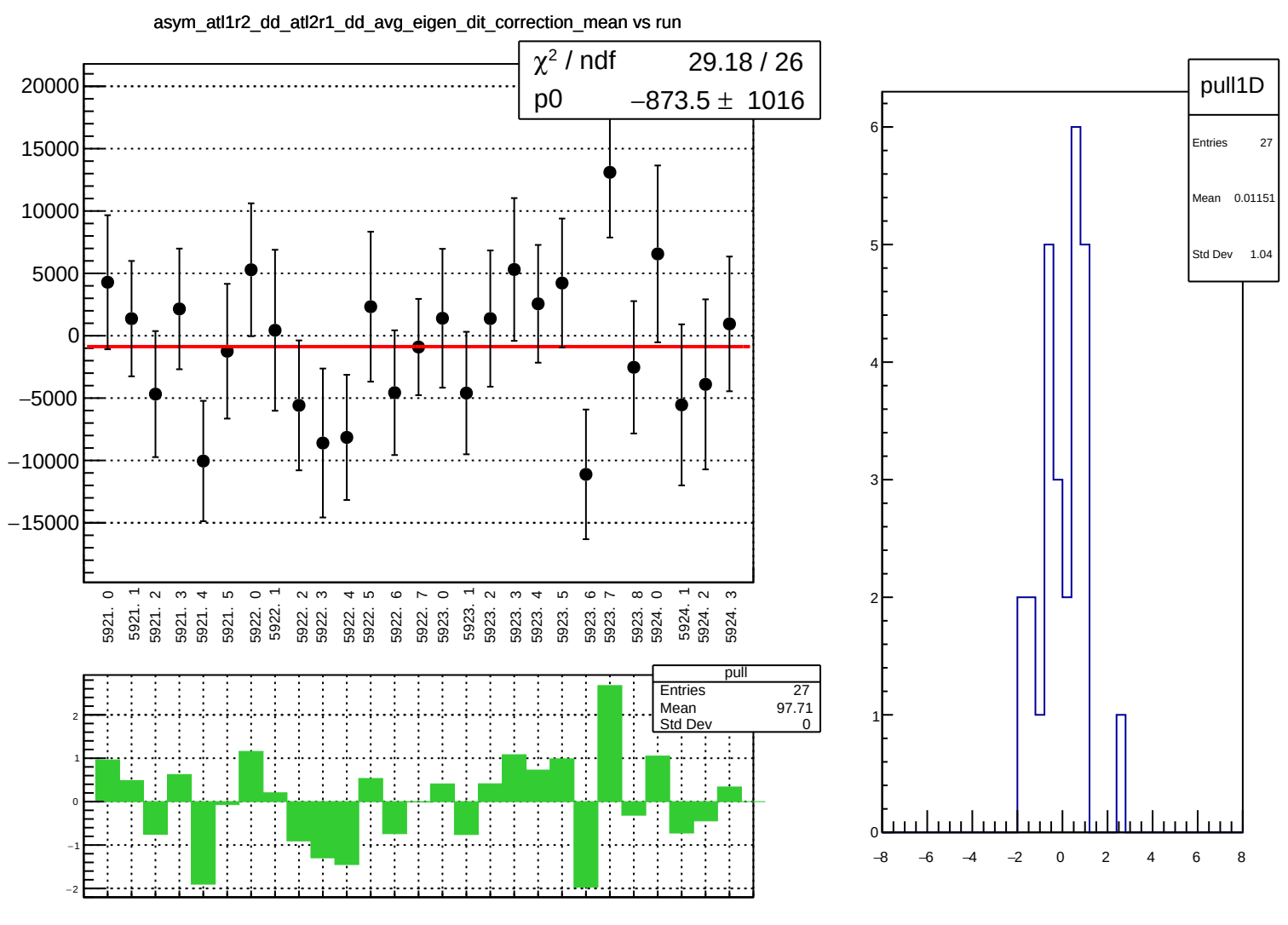

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs run
χ² / ndf 29.18 / 26
p0 −873.5 ± 1016
20000
15000
10000
5000
0
−5000
−10000
−15000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 97.71
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.01151
Std Dev 1.04
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

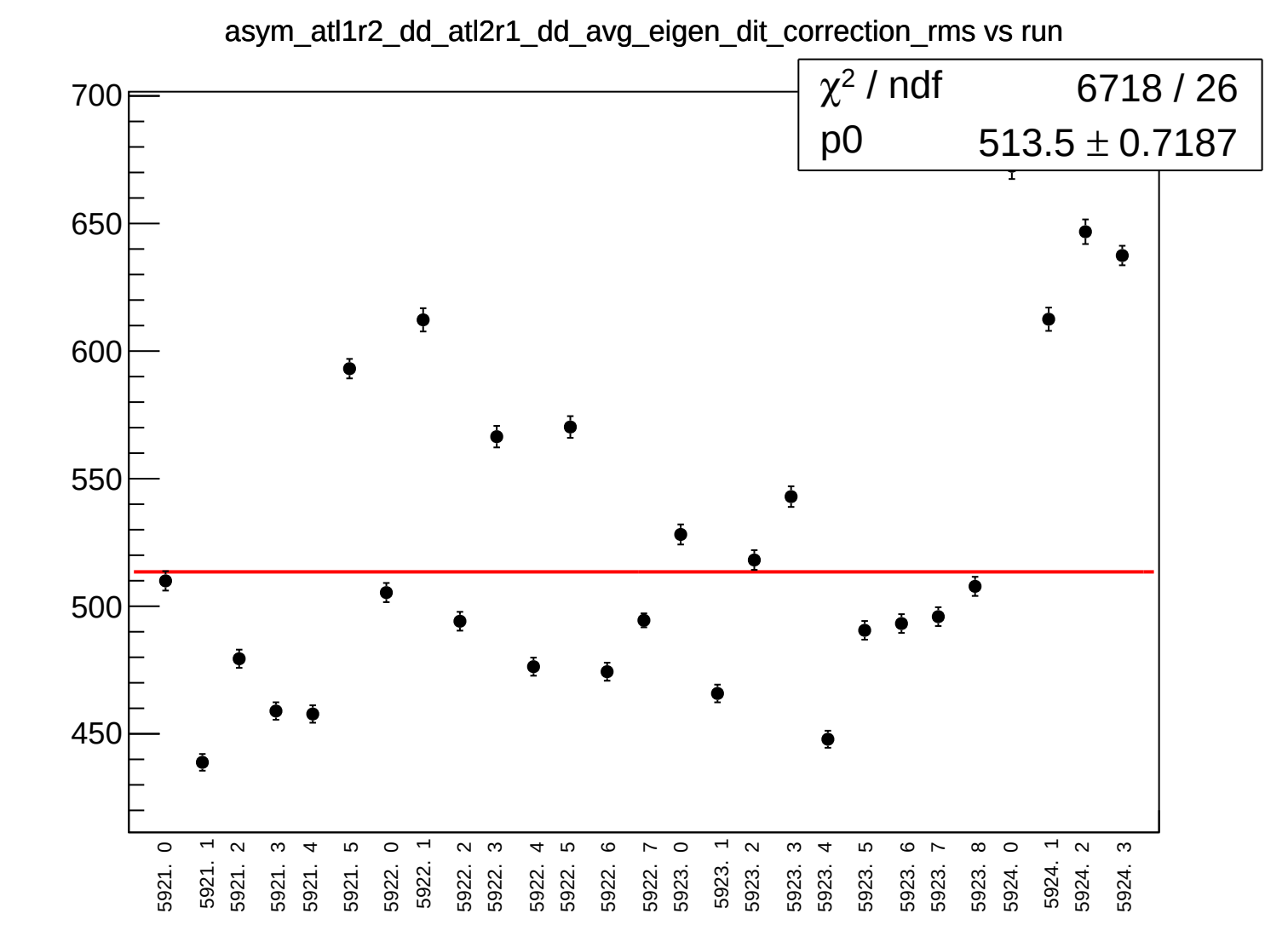

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs run
χ² / ndf 6718 / 26
p0 513.5 ± 0.7187
700
650
600
550
500
450
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

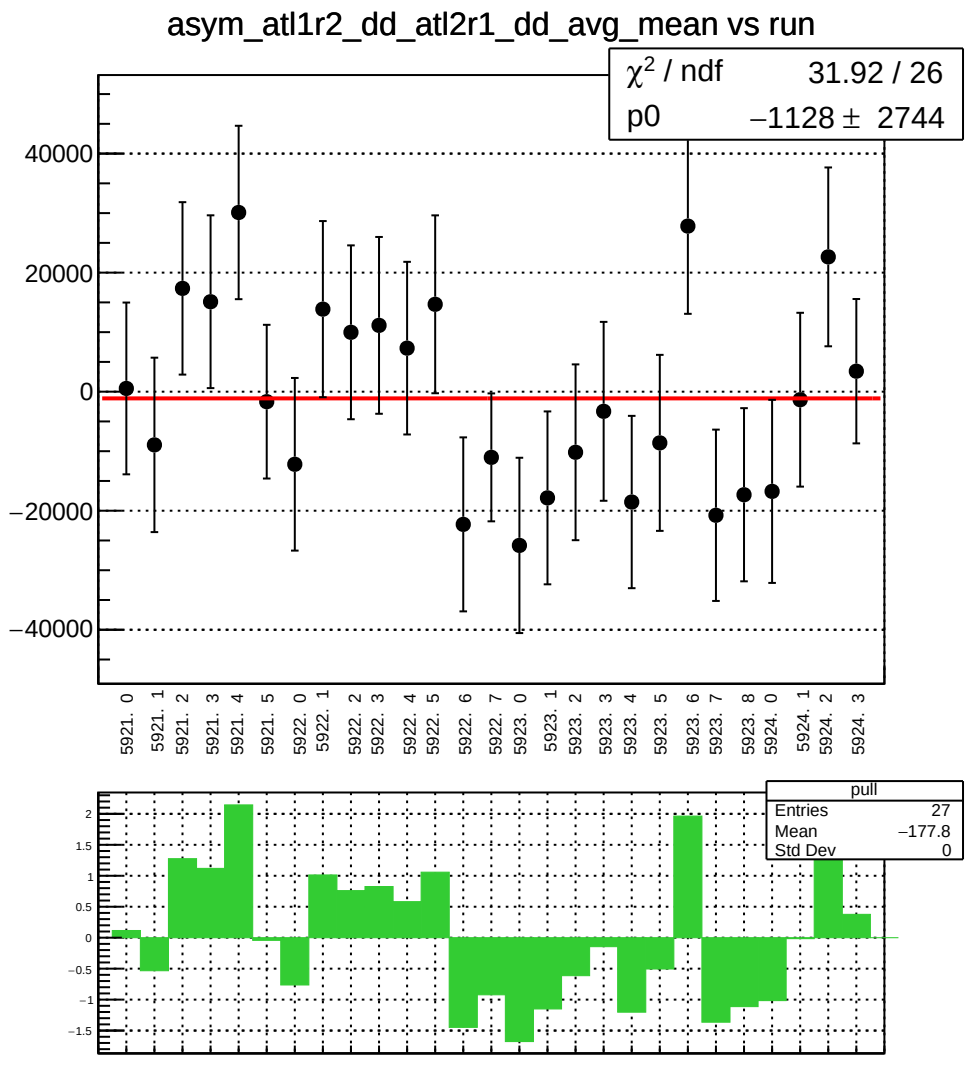

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 27.47 / 26
p0 −1797 ± 2550
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −196.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

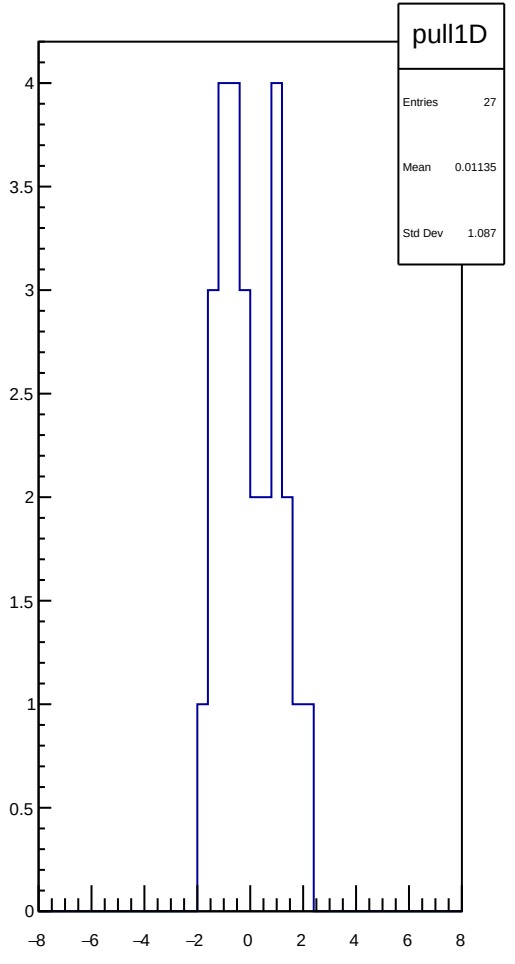

pull1D
Entries 27
Mean 0.009204
Std Dev 1.009
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

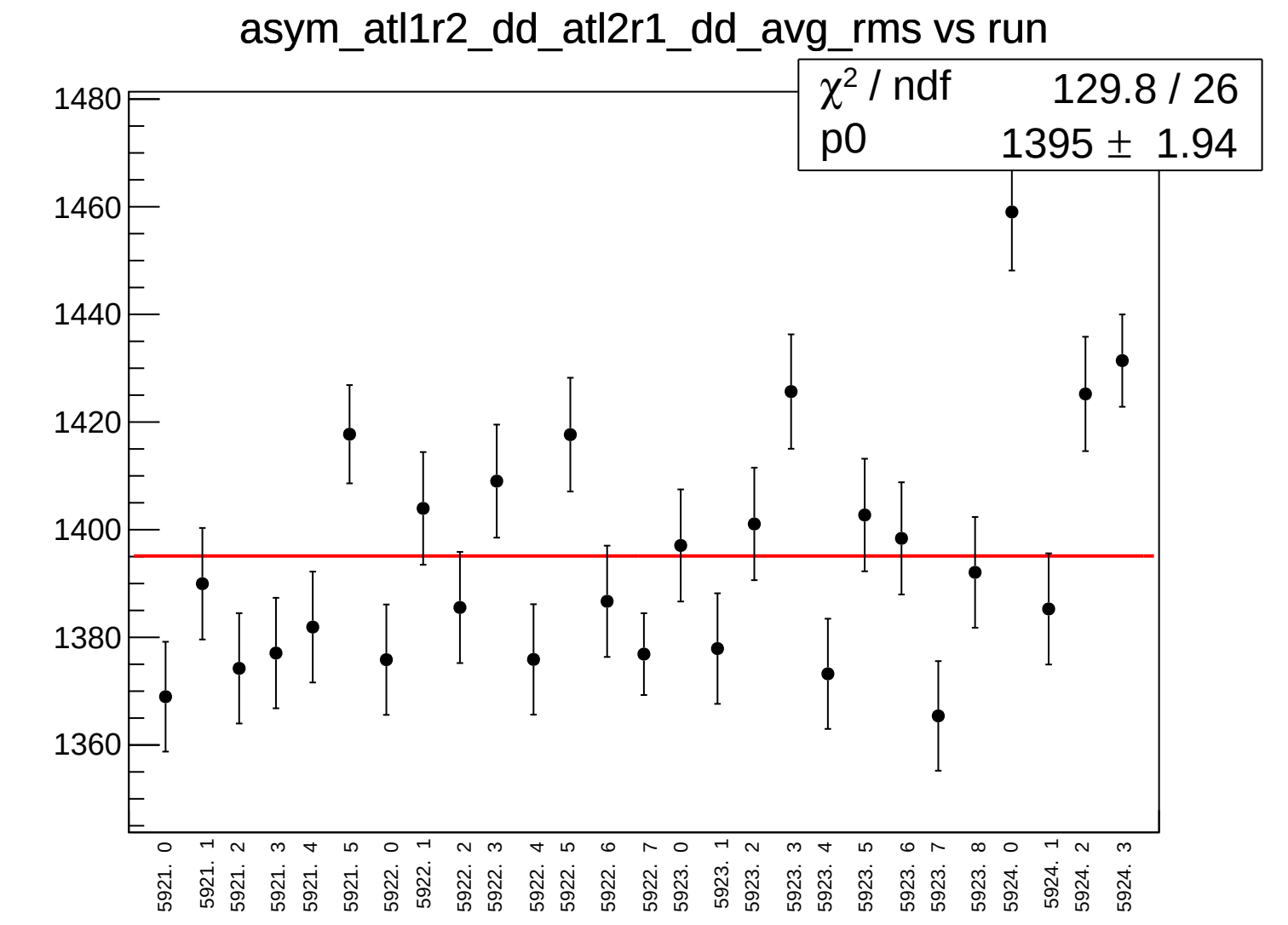

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 36.96 / 26
p0 1296 ± 1.803
1330
1320
1310
1300
1290
1280
1270
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

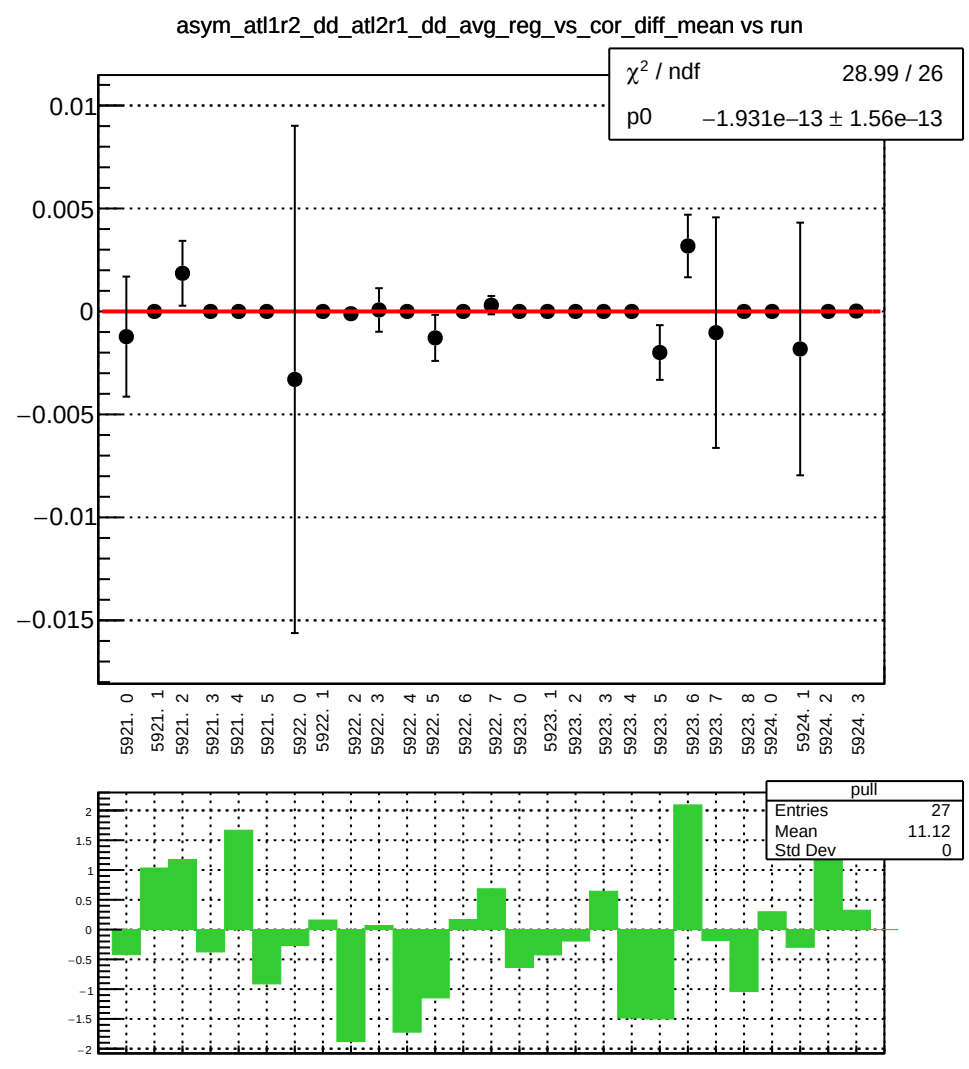

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 29.18 / 26
p0 −873.5 ± 1016
20000
15000
10000
5000
0
−5000
−10000
−15000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 97.71
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.01151
Std Dev 1.04
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

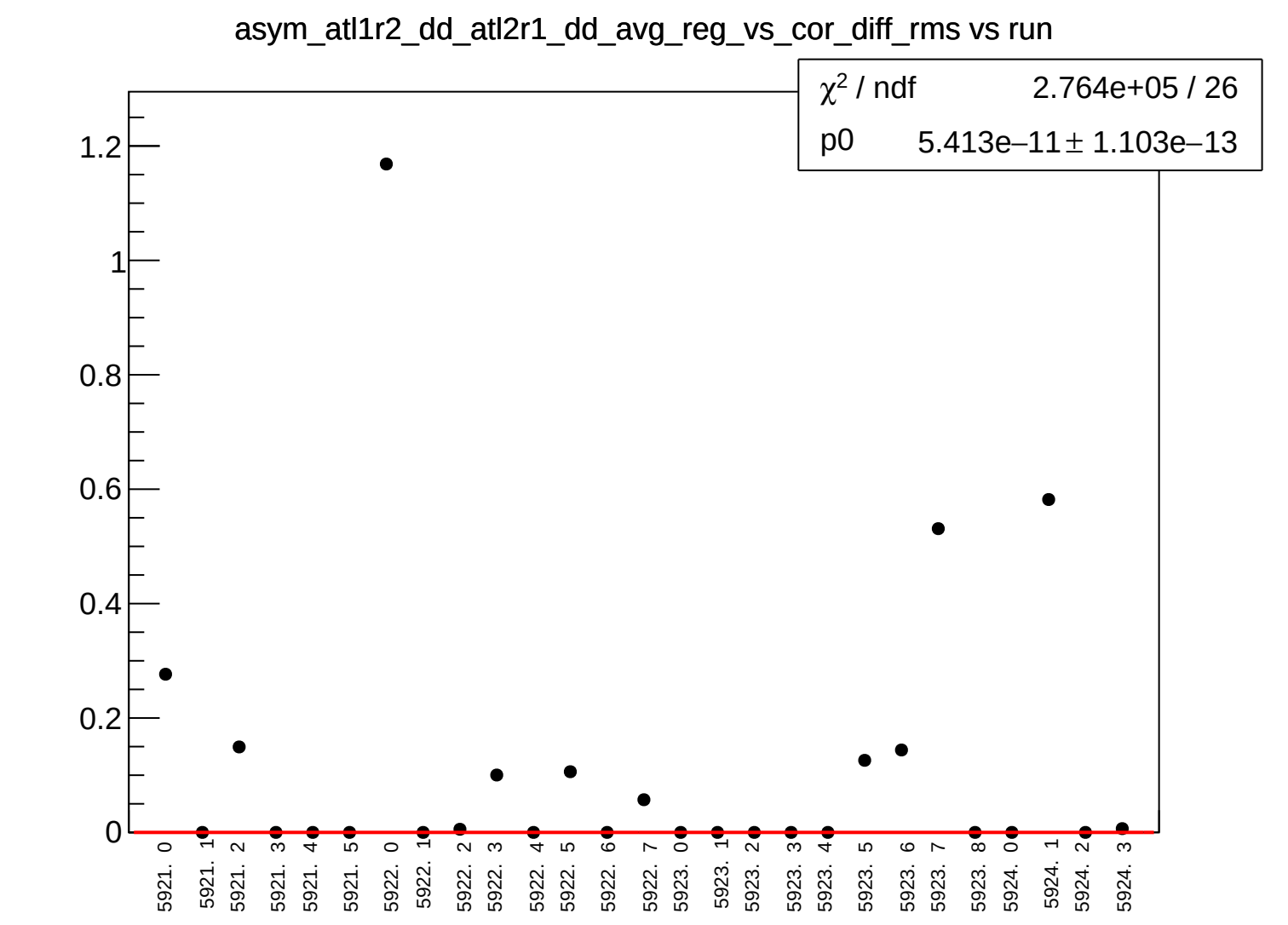

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 6718 / 26
p0 513.5 ± 0.7187
700
650
600
550
500
450
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

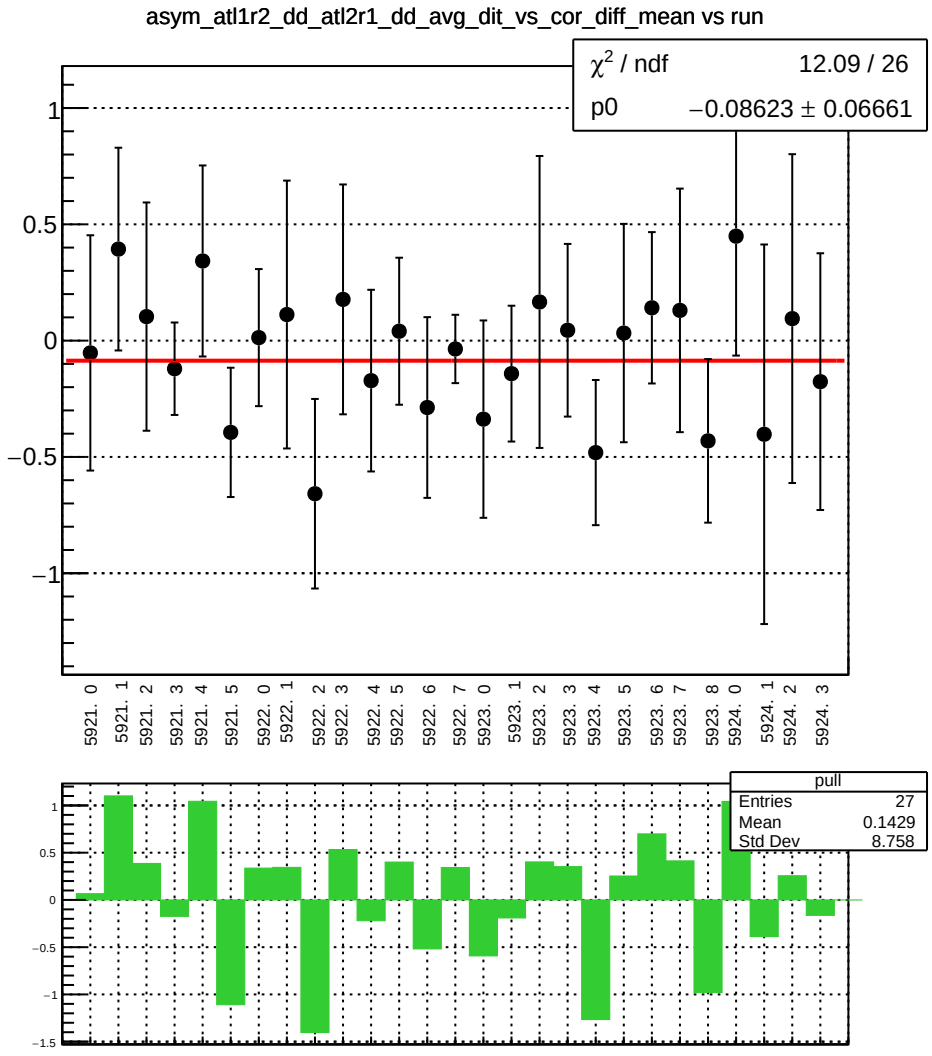

asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 31.92 / 26
p0 −1128 ± 2744
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −177.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

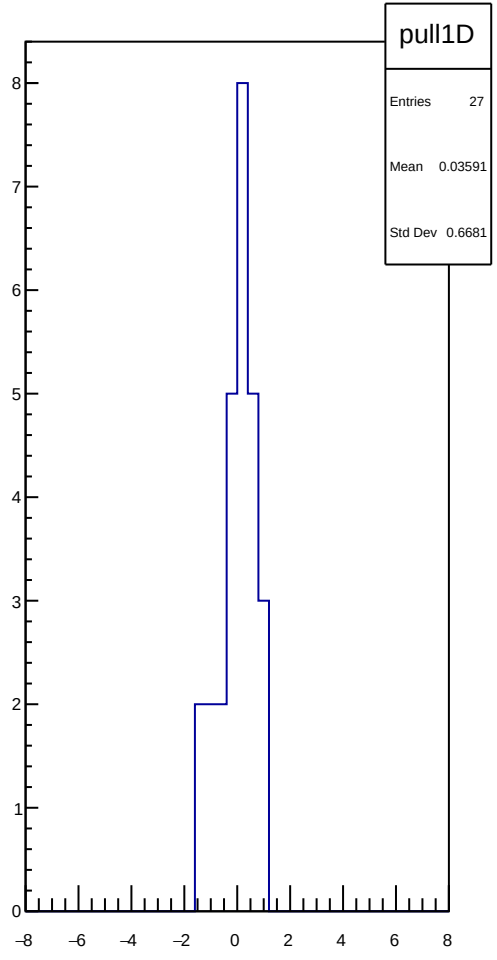

pull1D
Entries 27
Mean 0.01135
Std Dev 1.087
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

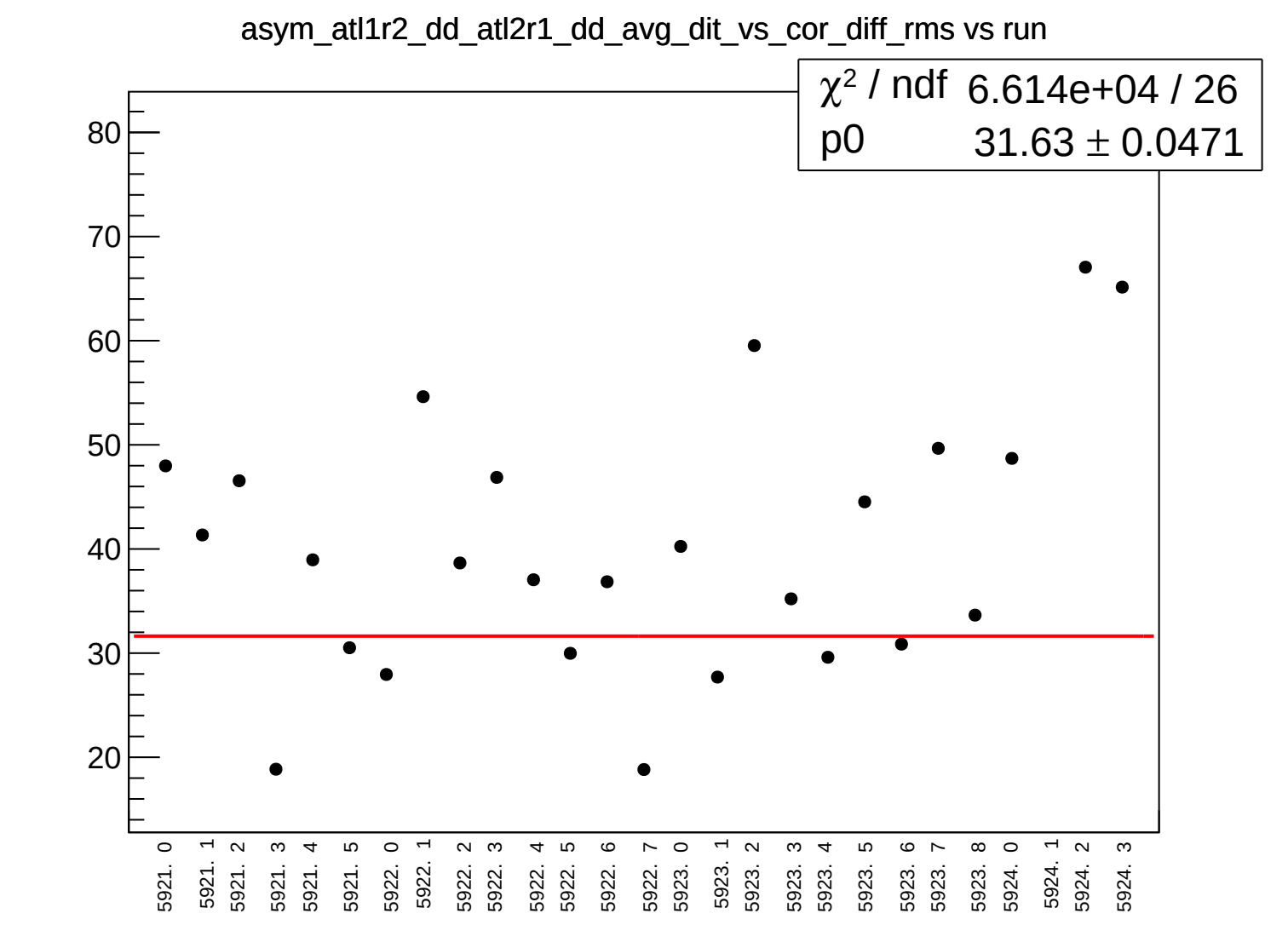

asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 129.8 / 26
p0 1395 ± 1.94
1480
1460
1440
1420
1400
1380
1360
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

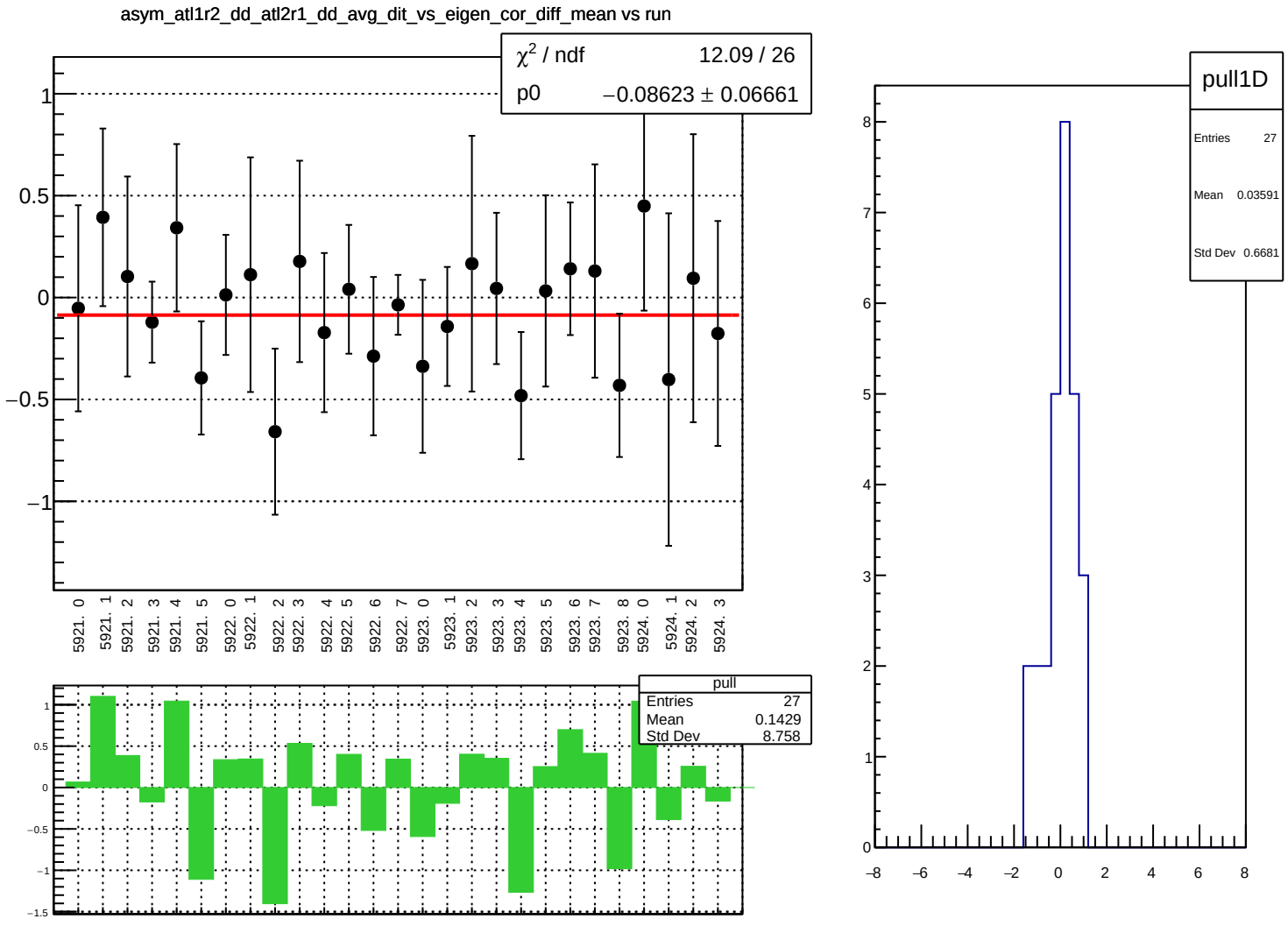

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 28.99 / 26
p0 −1.931e−13 ± 1.56e−13
0.01
0.005
0
−0.005
−0.01
−0.015
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 11.12
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.09098
Std Dev 1.032
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

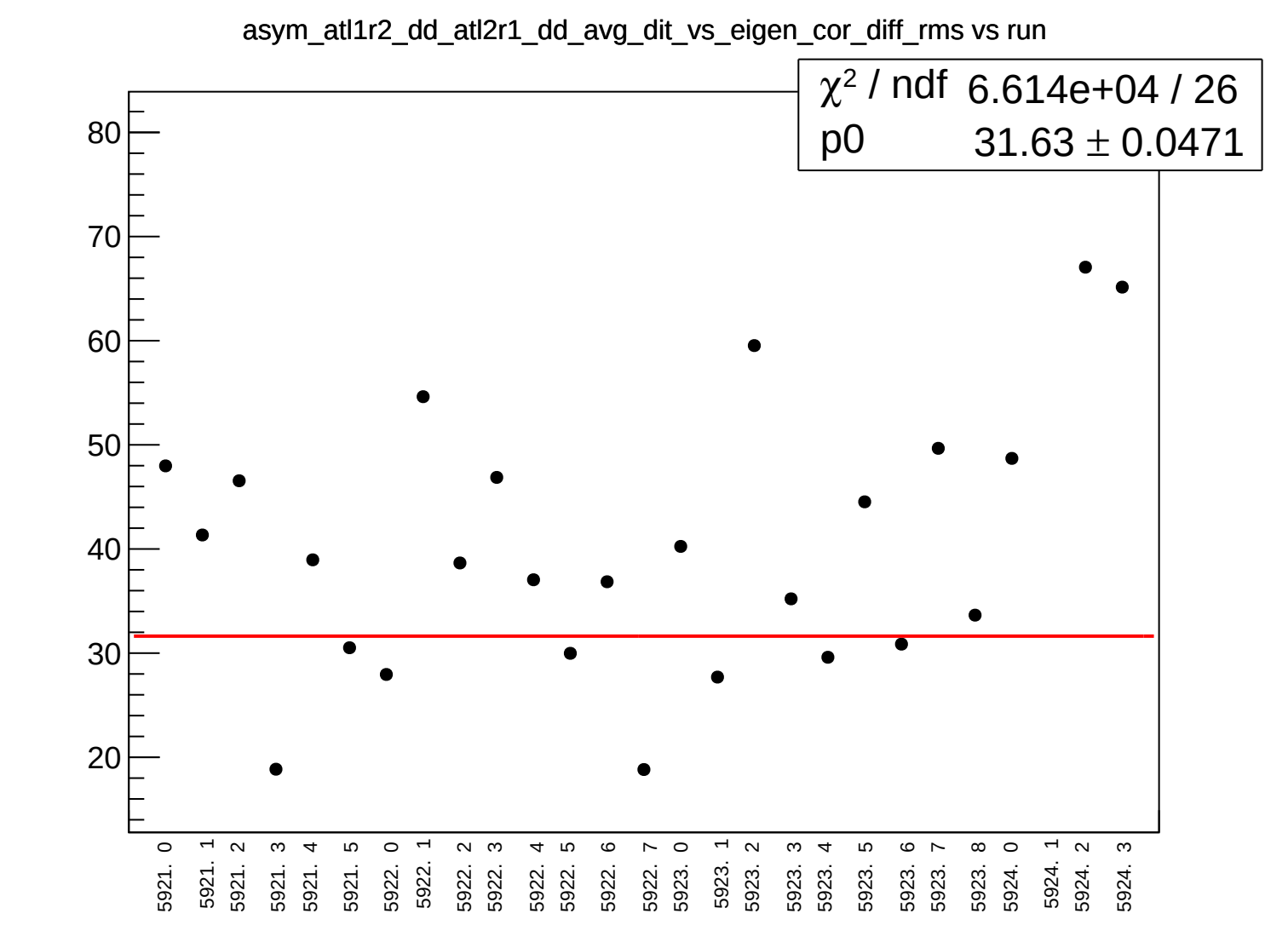

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 2.764e+05 / 26
p0 5.413e−11 ± 1.103e−13
1.2
1
0.8
0.6
0.4
0.2
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

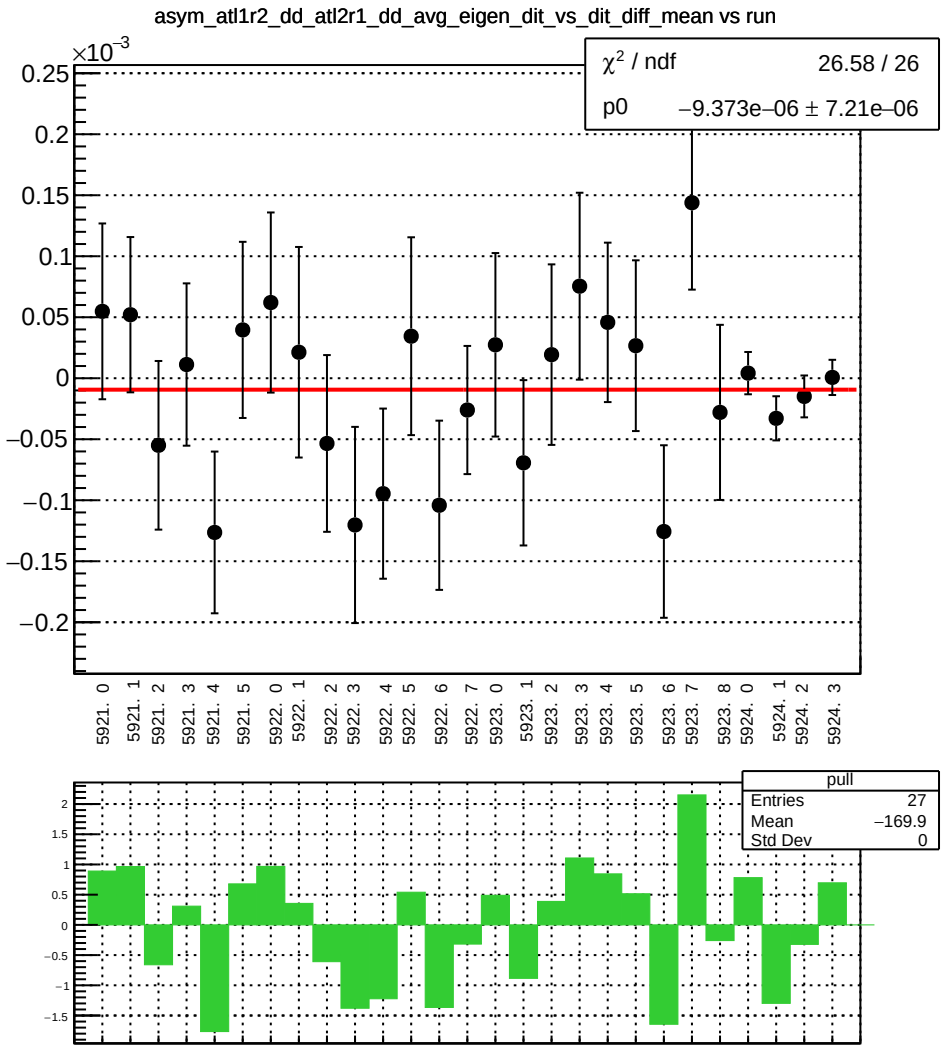

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 12.09 / 26
p0 −0.08623 ± 0.06661
1
0.5
0
−0.5
−1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 0.1429
Std Dev 8.758
1
0.5
0
−0.5
−1
−1.5

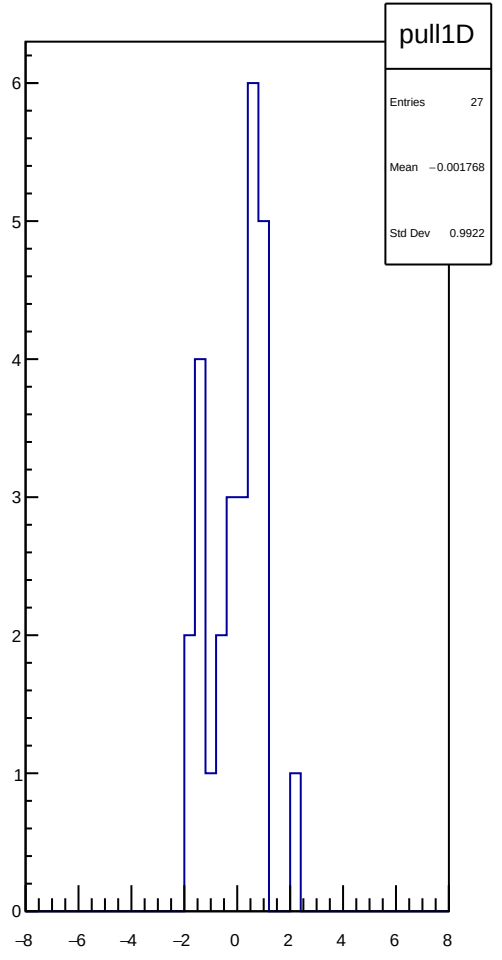

pull1D
Entries 27
Mean 0.03591
Std Dev 0.6681
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

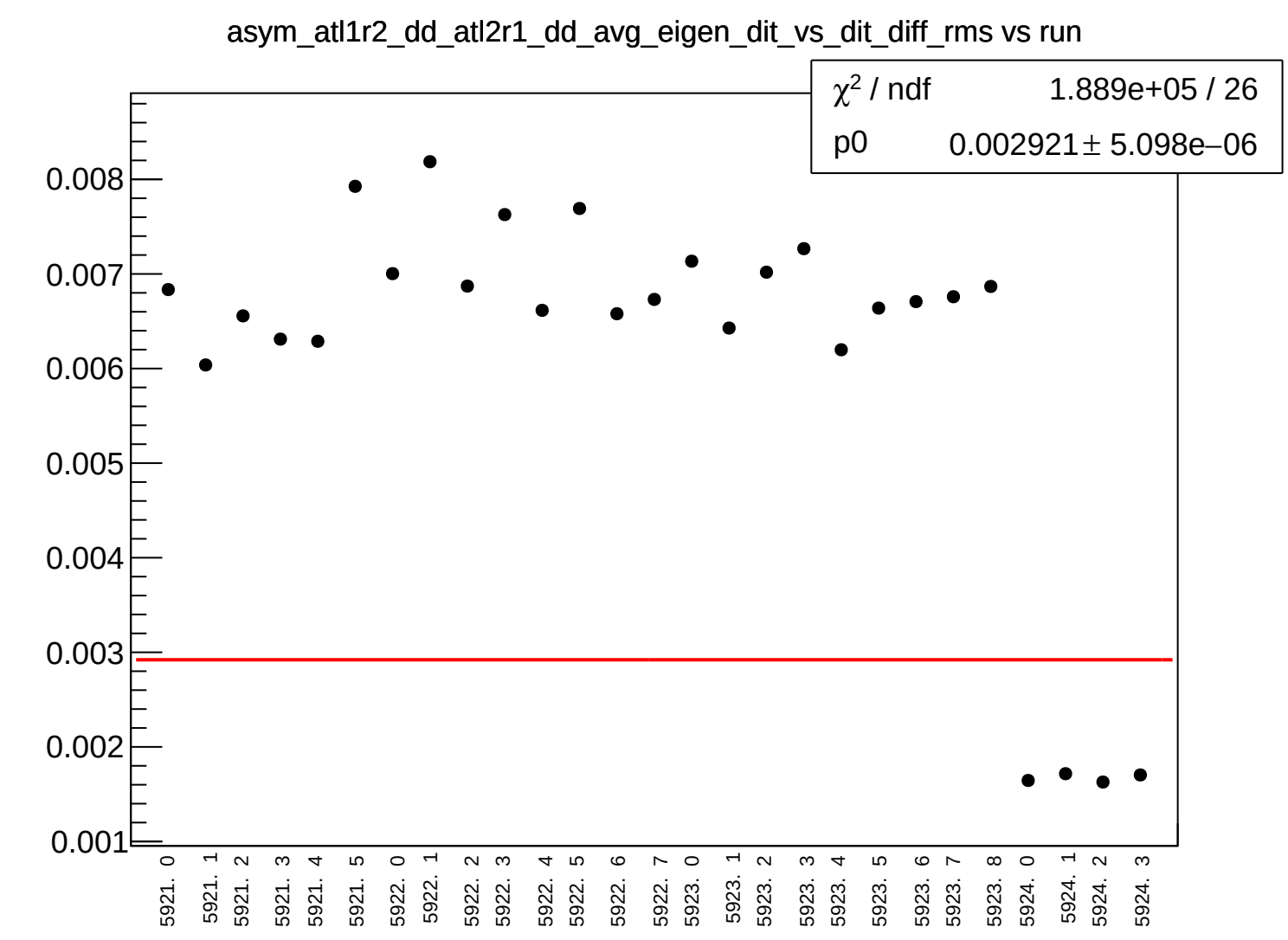

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 6.614e+04 / 26
p0 31.63 ± 0.0471
80
70
60
50
40
30
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

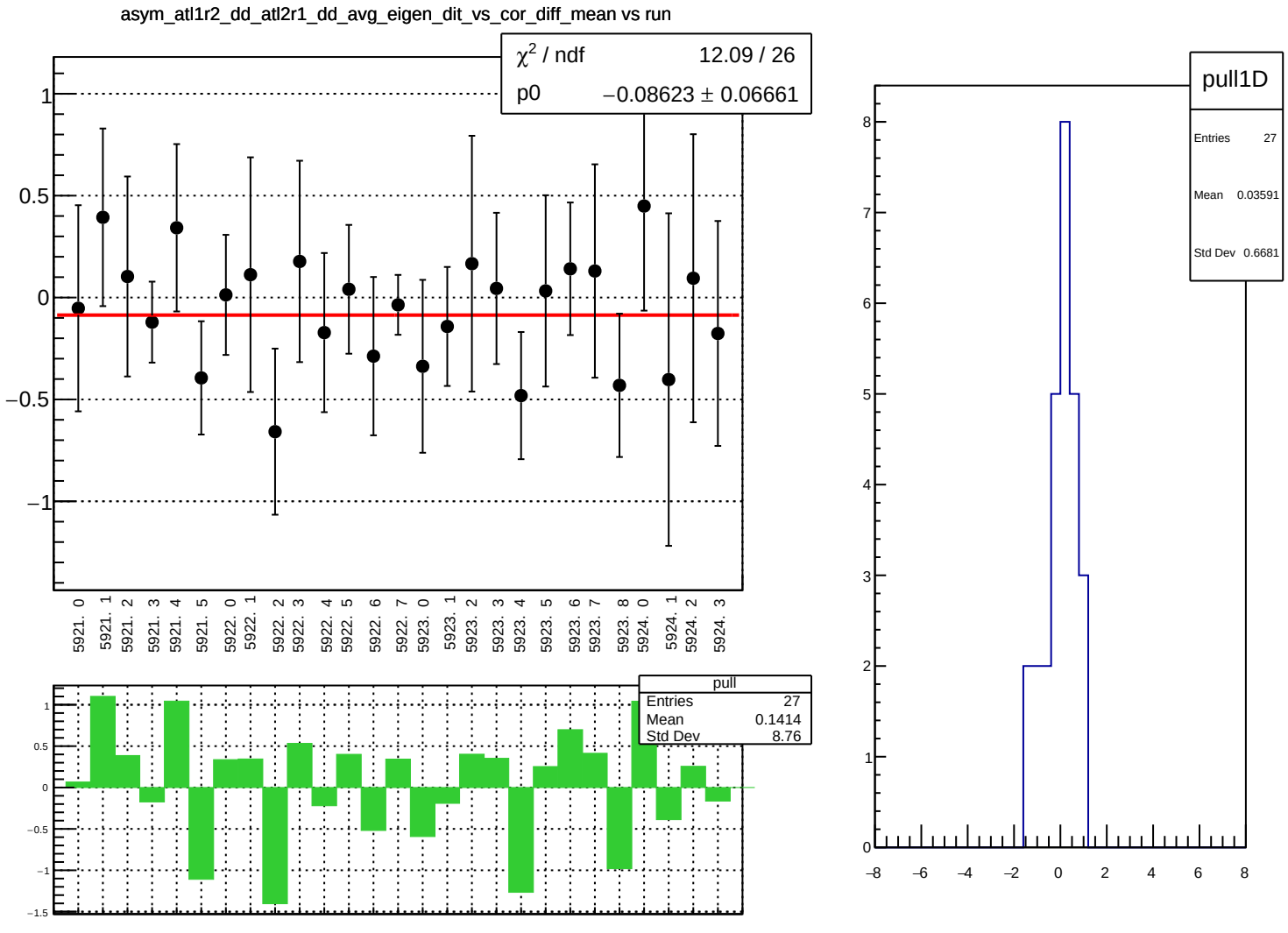

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 12.09 / 26
p0 −0.08623 ± 0.06661
1
0.5
0
−0.5
−1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 0.1429
Std Dev 8.758
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.03591
Std Dev 0.6681
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

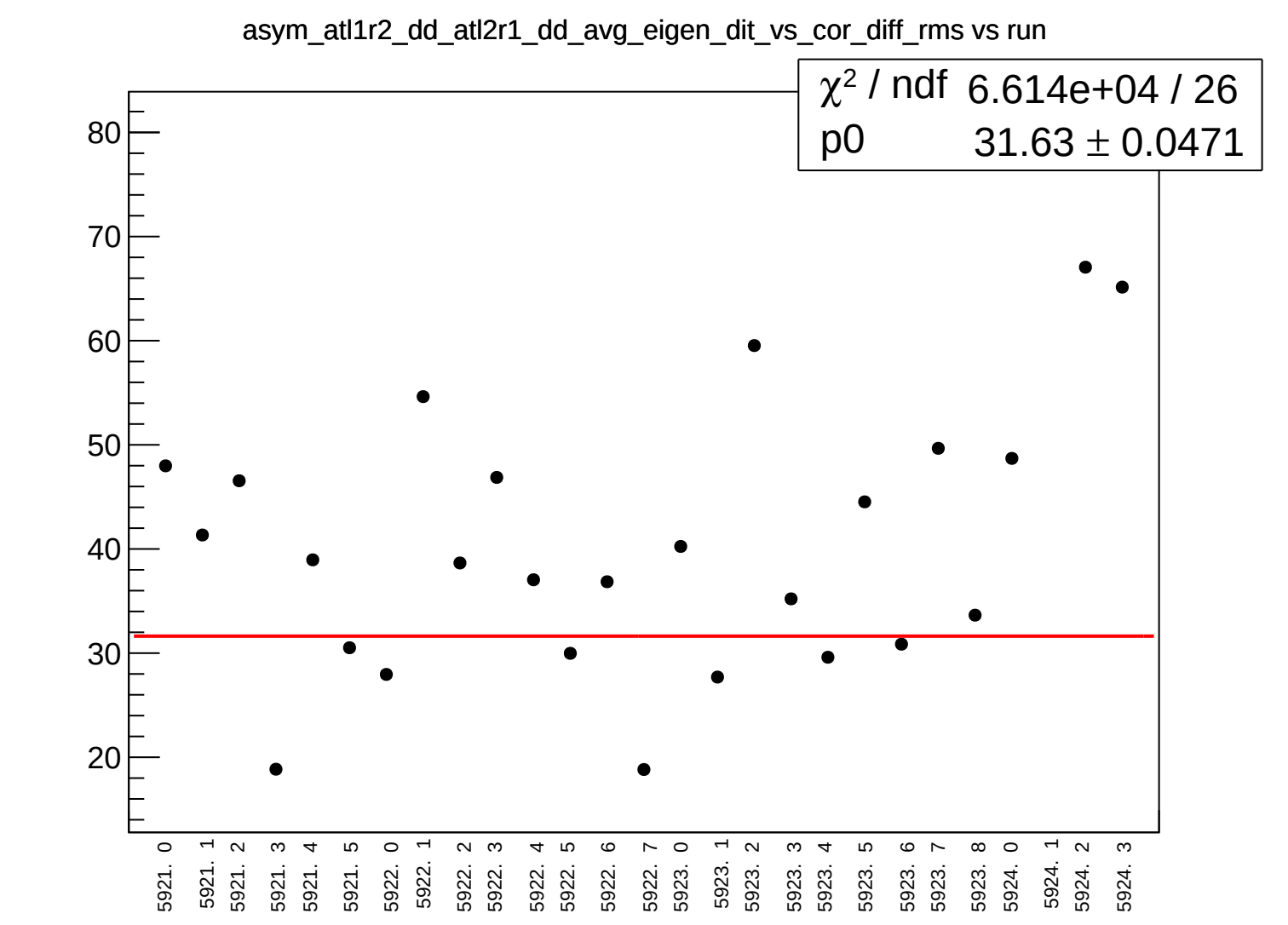

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.614e+04 / 26
p0 31.63 ± 0.0471
80
70
60
50
40
30
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

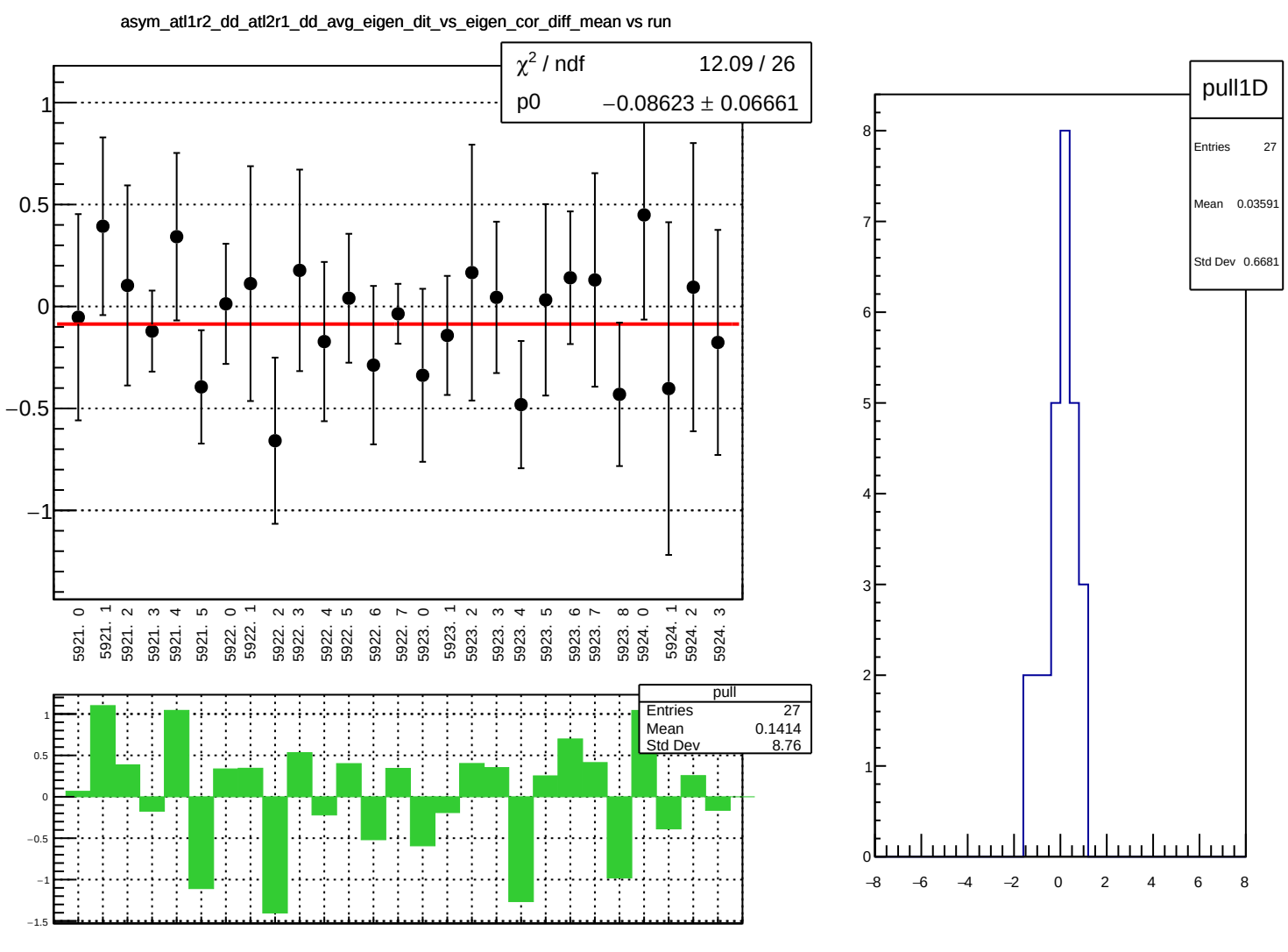

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 26.58 / 26
p0 −9.373e−06 ± 7.21e−06
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −169.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

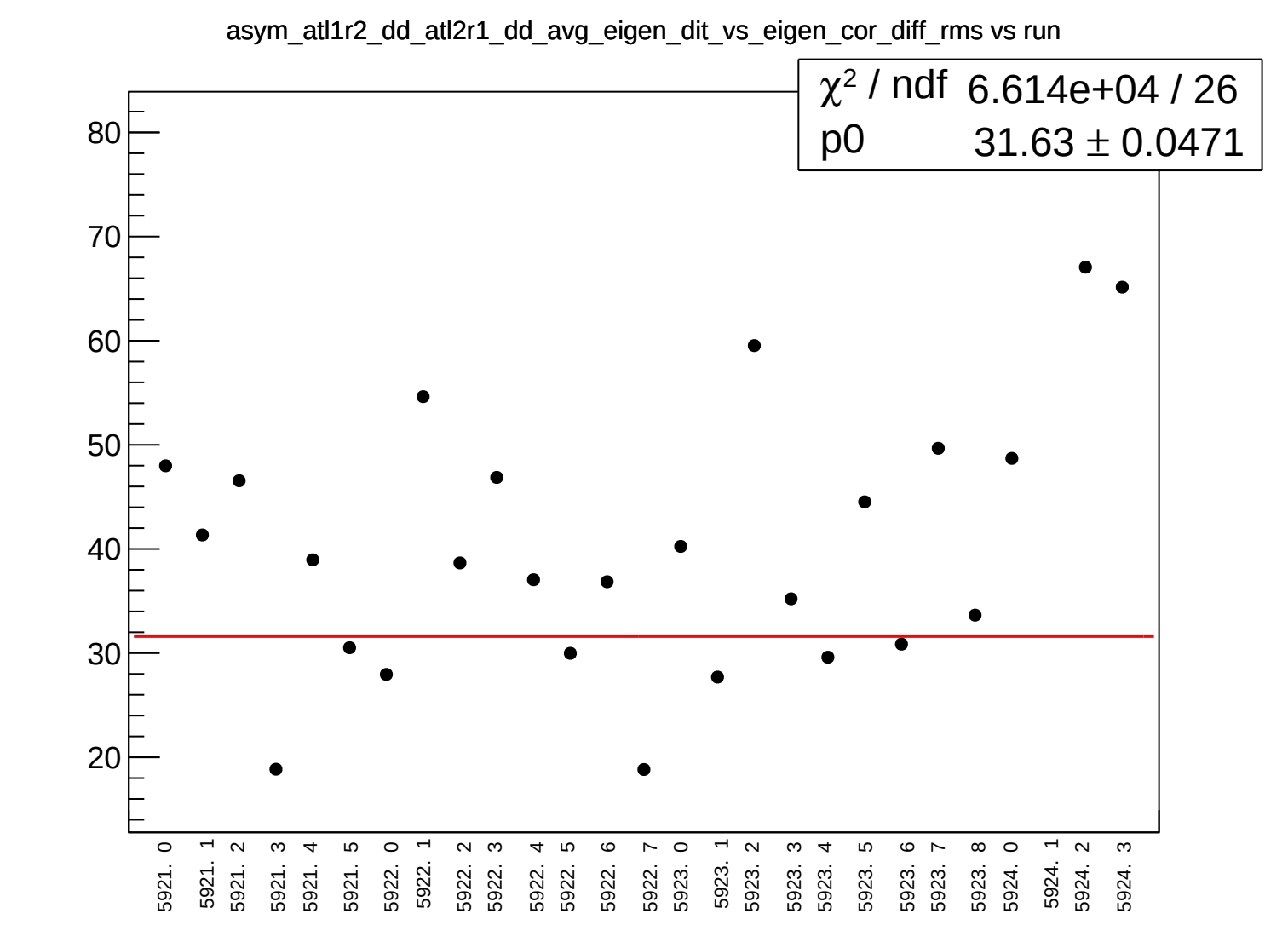

pull1D
Entries 27
Mean −0.001768
Std Dev 0.9922
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

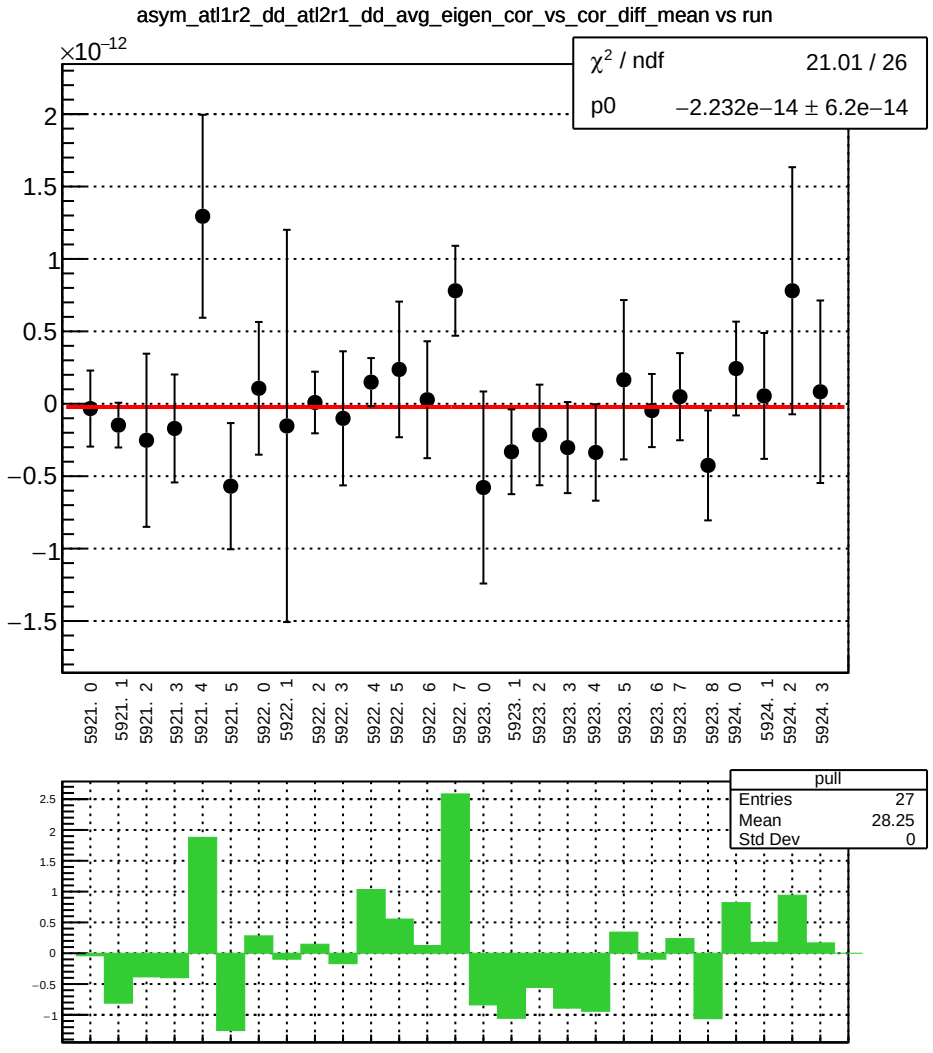

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.889e+05 / 26
p0 0.002921 ± 5.098e−06
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

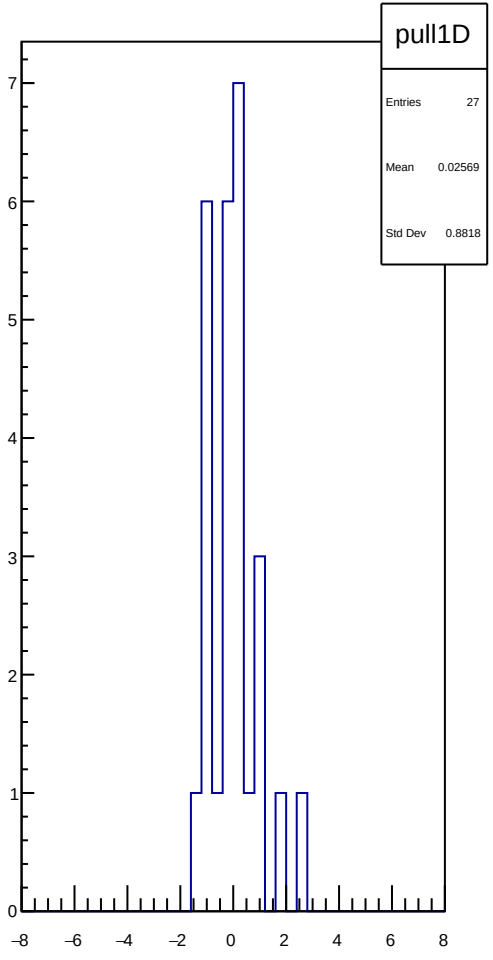

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 12.09 / 26
p0 −0.08623 ± 0.06661
1
0.5
0
−0.5
−1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 0.1414
Std Dev 8.76
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.03591
Std Dev 0.6681
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

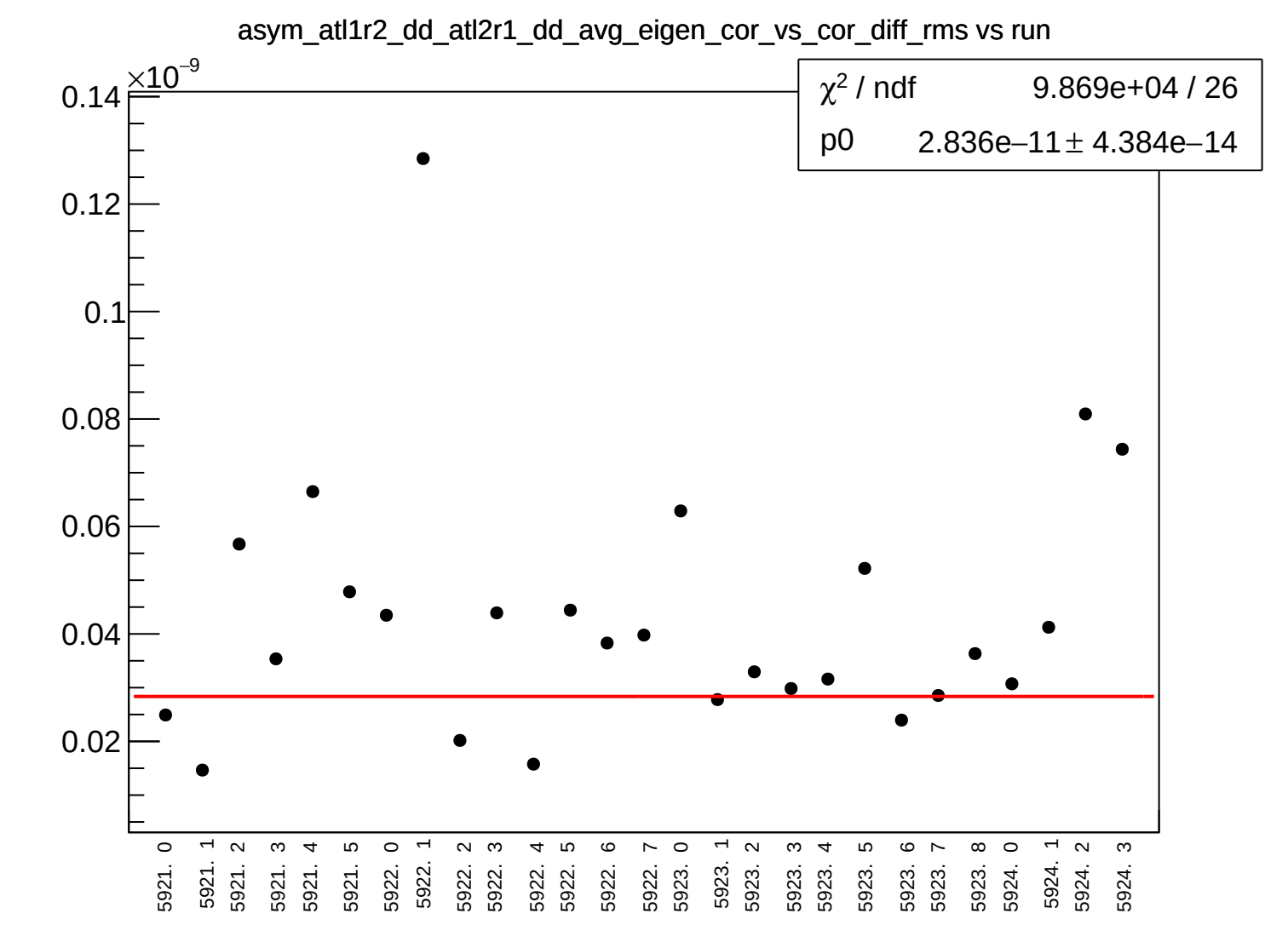

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.614e+04 / 26
p0 31.63 ± 0.0471
80
70
60
50
40
30
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

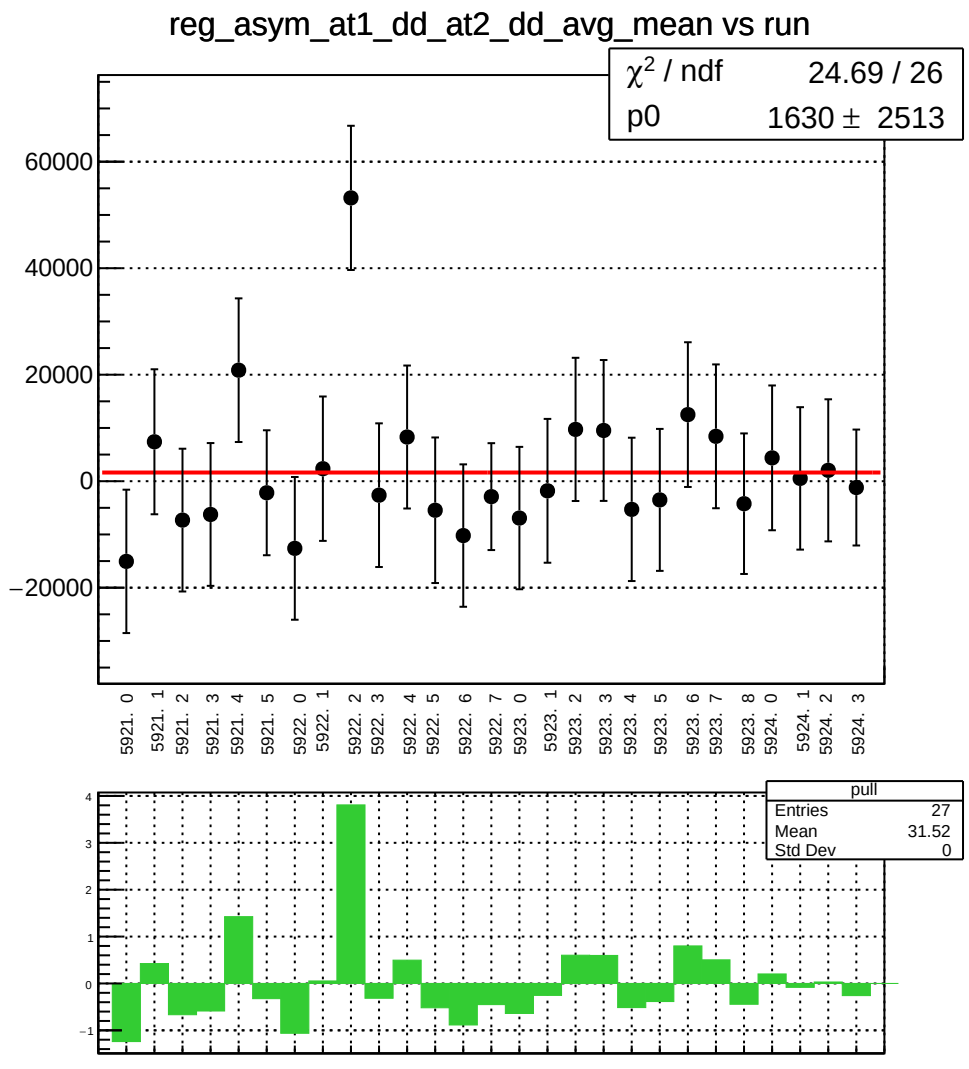

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 12.09 / 26
p0 −0.08623 ± 0.06661
1
0.5
0
−0.5
−1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 0.1414
Std Dev 8.76
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.03591
Std Dev 0.6681
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

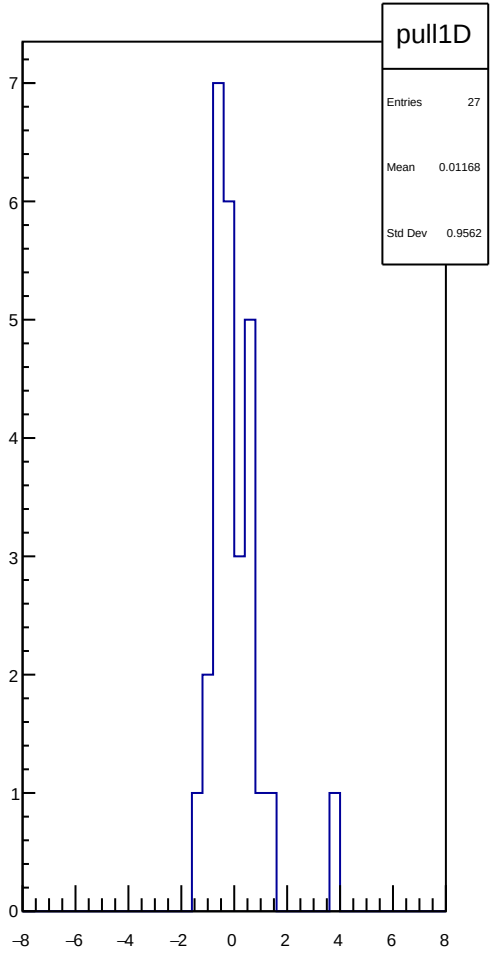

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.614e+04 / 26
p0 31.63 ± 0.0471
80
70
60
50
40
30
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

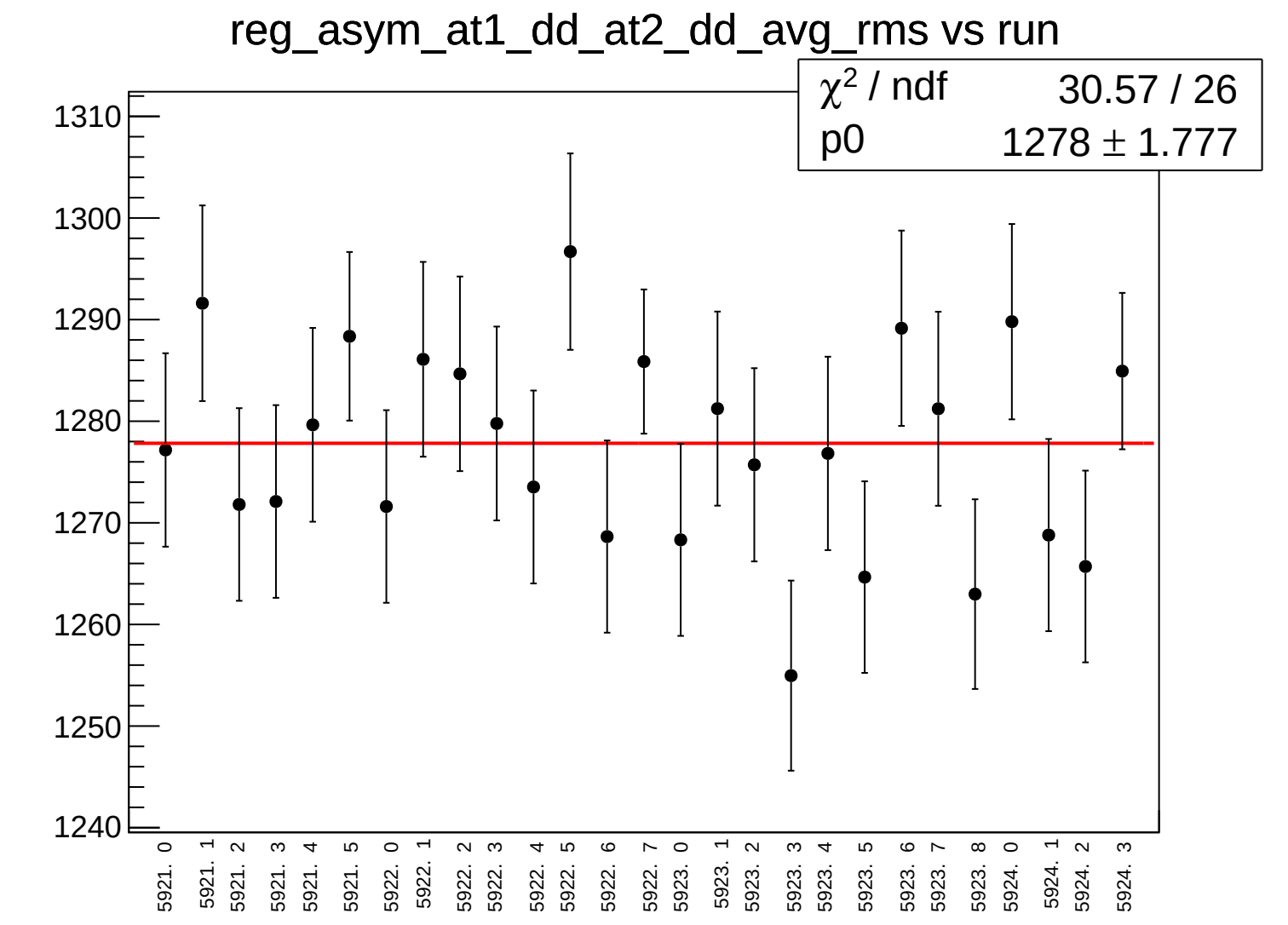

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 21.01 / 26
p0 −2.232e−14 ± 6.2e−14
2
1.5
1
0.5
0
−0.5
−1
−1.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 28.25
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1

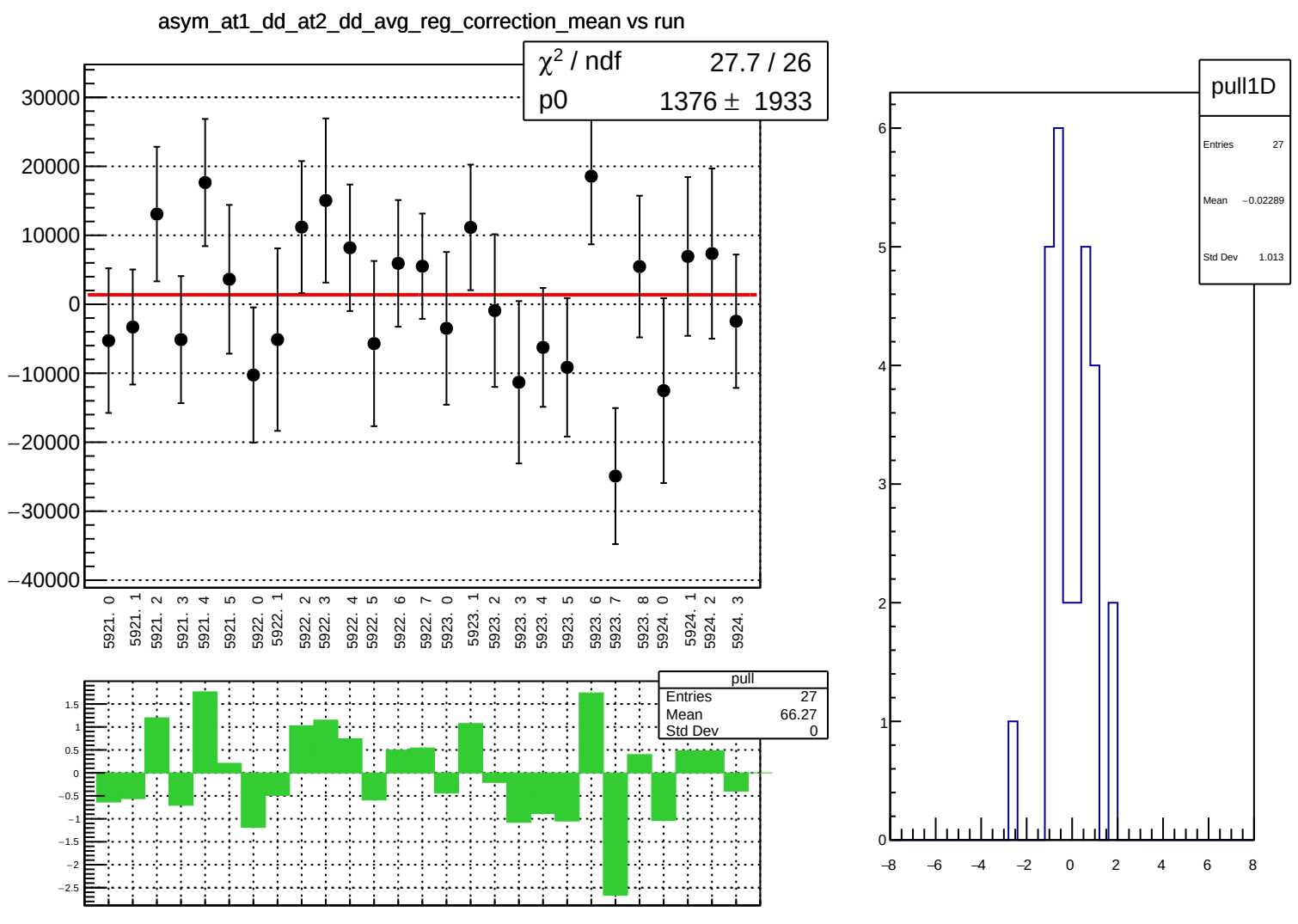

pull1D
Entries 27
Mean 0.02569
Std Dev 0.8818
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

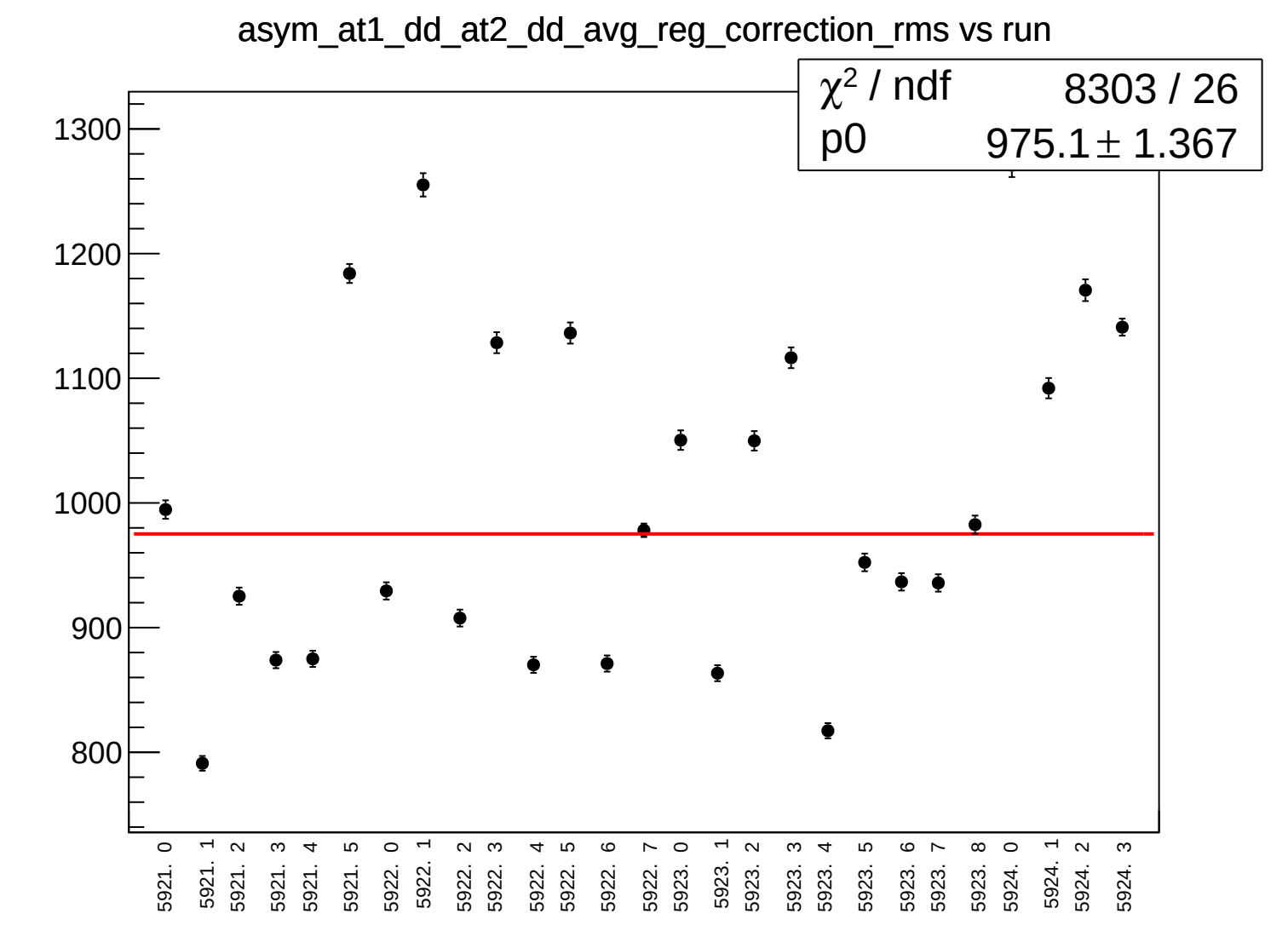

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 9.869e+04 / 26
p0 2.836e−11 ± 4.384e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

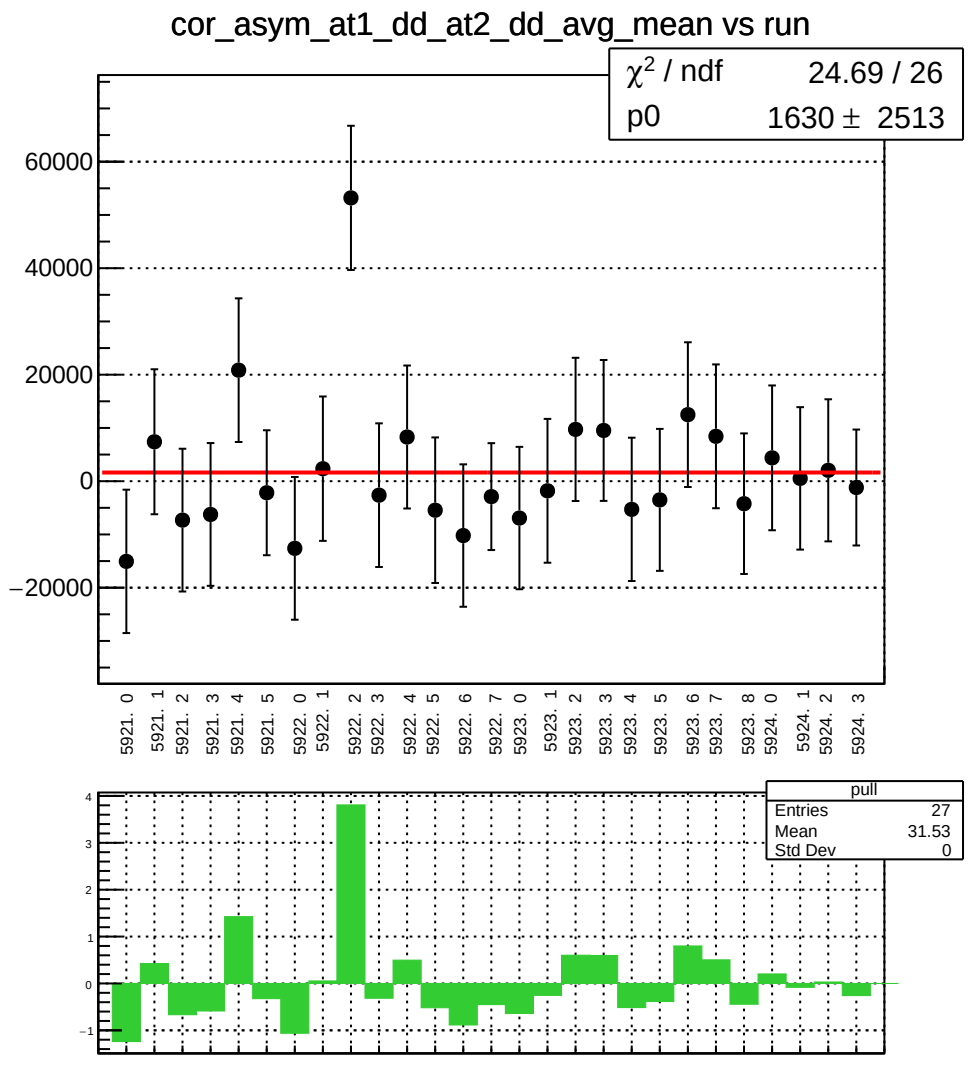

reg_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 24.69 / 26
p0 1630 ± 2513
60000
40000
20000
0
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 31.52
Std Dev 0
4
3
2
1
0
−1

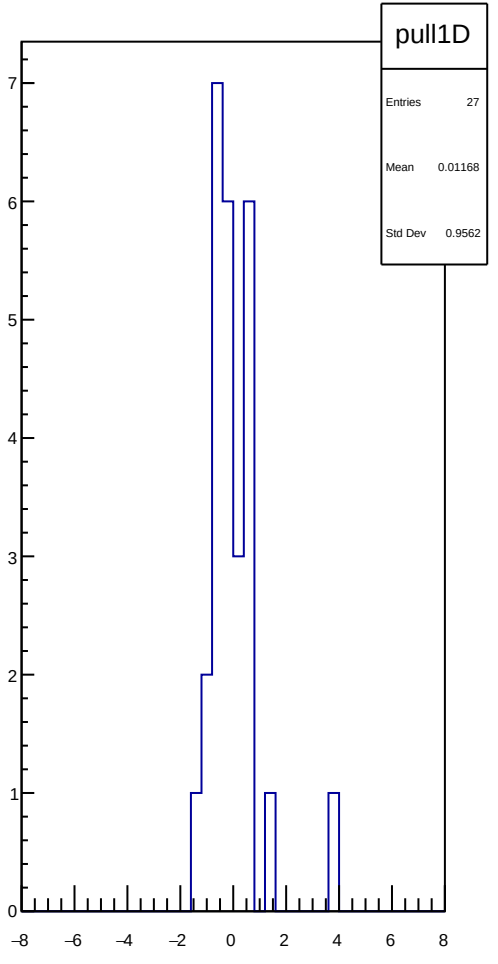

pull1D
Entries 27
Mean 0.01168
Std Dev 0.9562
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

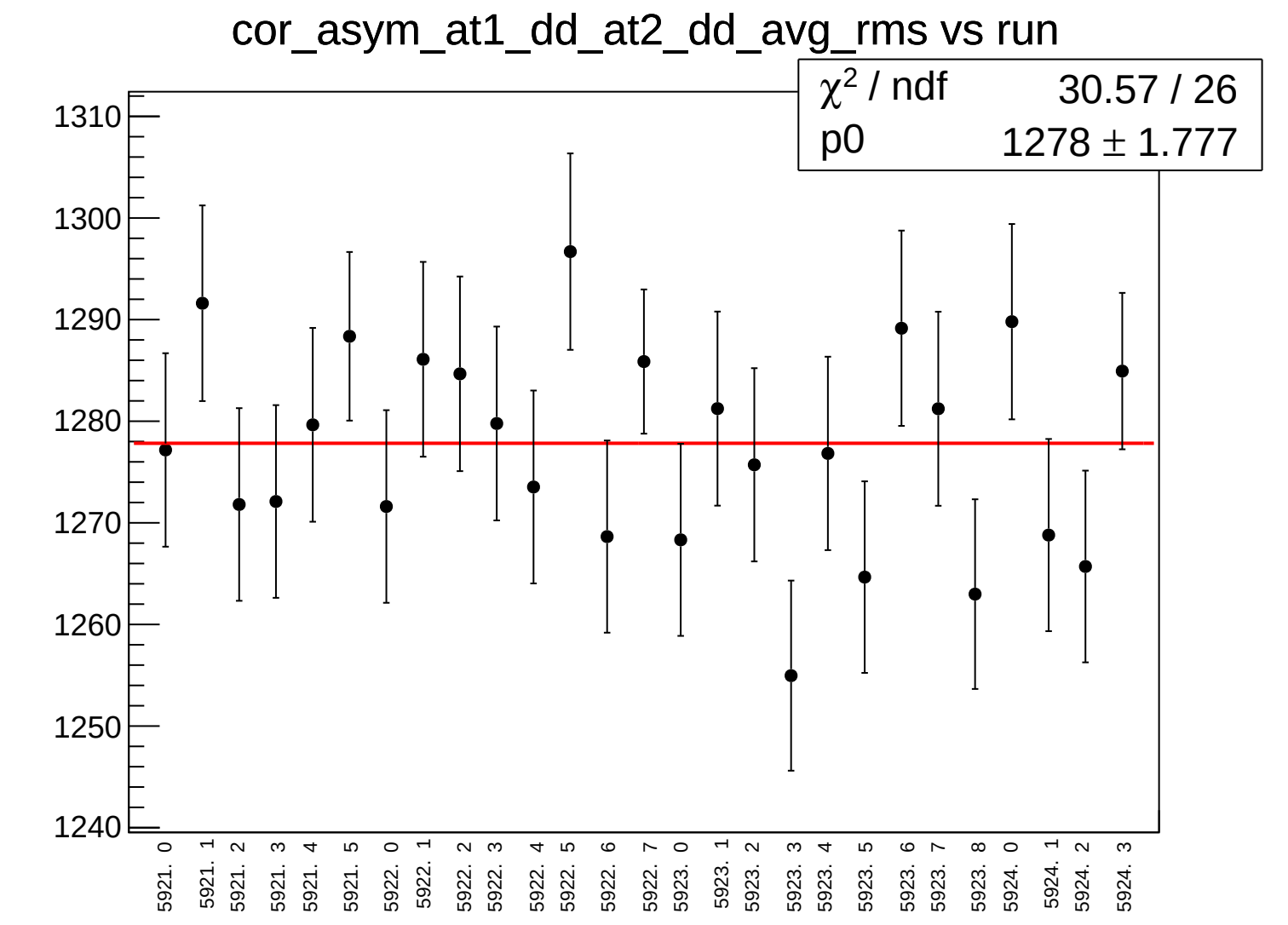

reg_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 30.57 / 26
p0 1278 ± 1.777
1310
1300
1290
1280
1270
1260
1250
1240
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


asym_at1_dd_at2_dd_avg_reg_correction_mean vs run
χ² / ndf 27.7 / 26
p0 1376 ± 1933
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 66.27
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean −0.02289
Std Dev 1.013
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_at1_dd_at2_dd_avg_reg_correction_rms vs run
χ² / ndf 8303 / 26
p0 975.1 ± 1.367
1300
1200
1100
1000
900
800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


cor_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 24.69 / 26
p0 1630 ± 2513
60000
40000
20000
0
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 31.53
Std Dev 0
4
3
2
1
0
−1


pull1D
Entries 27
Mean 0.01168
Std Dev 0.9562
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 30.57 / 26
p0 1278 ± 1.777
1310
1300
1290
1280
1270
1260
1250
1240
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
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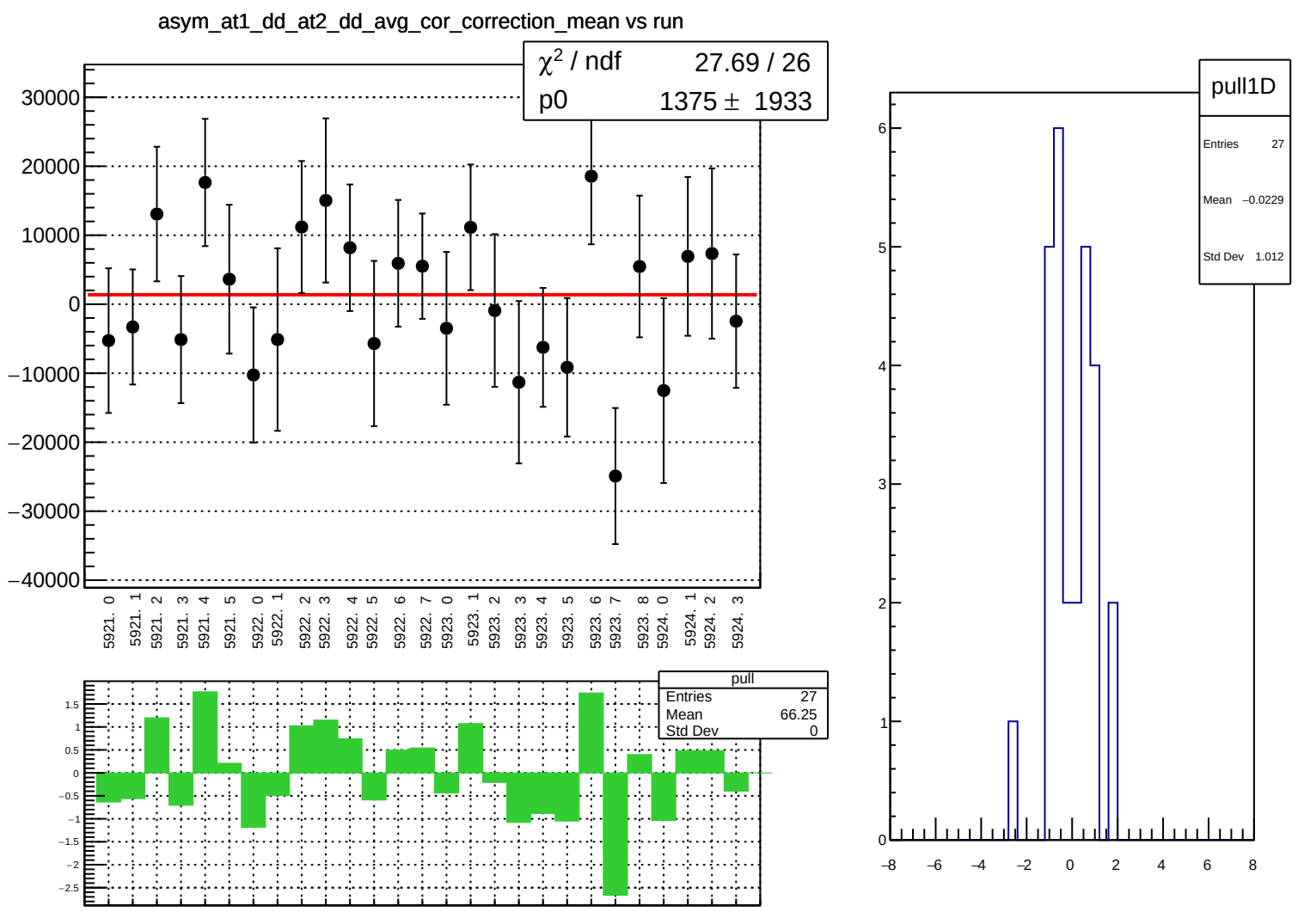
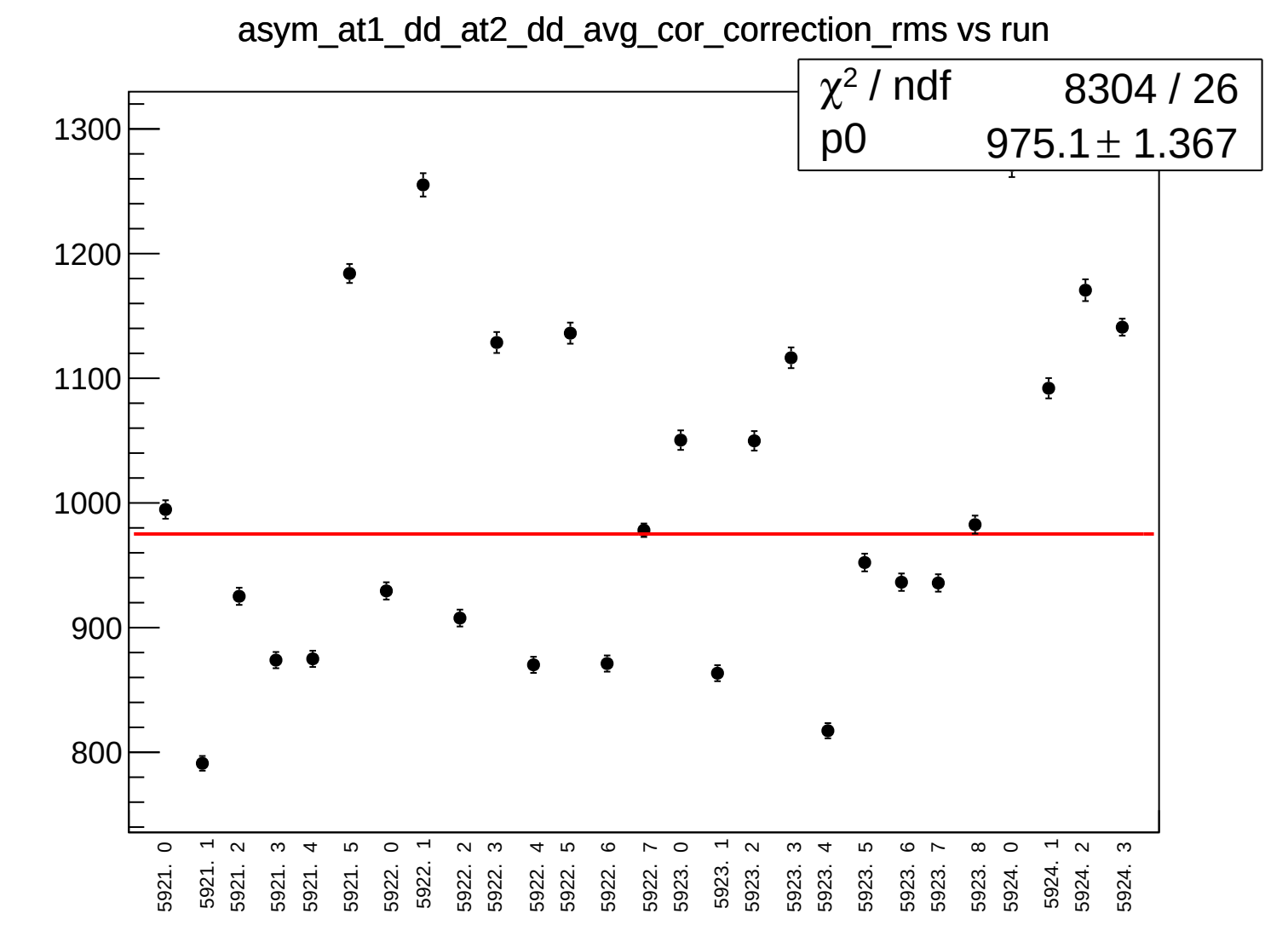
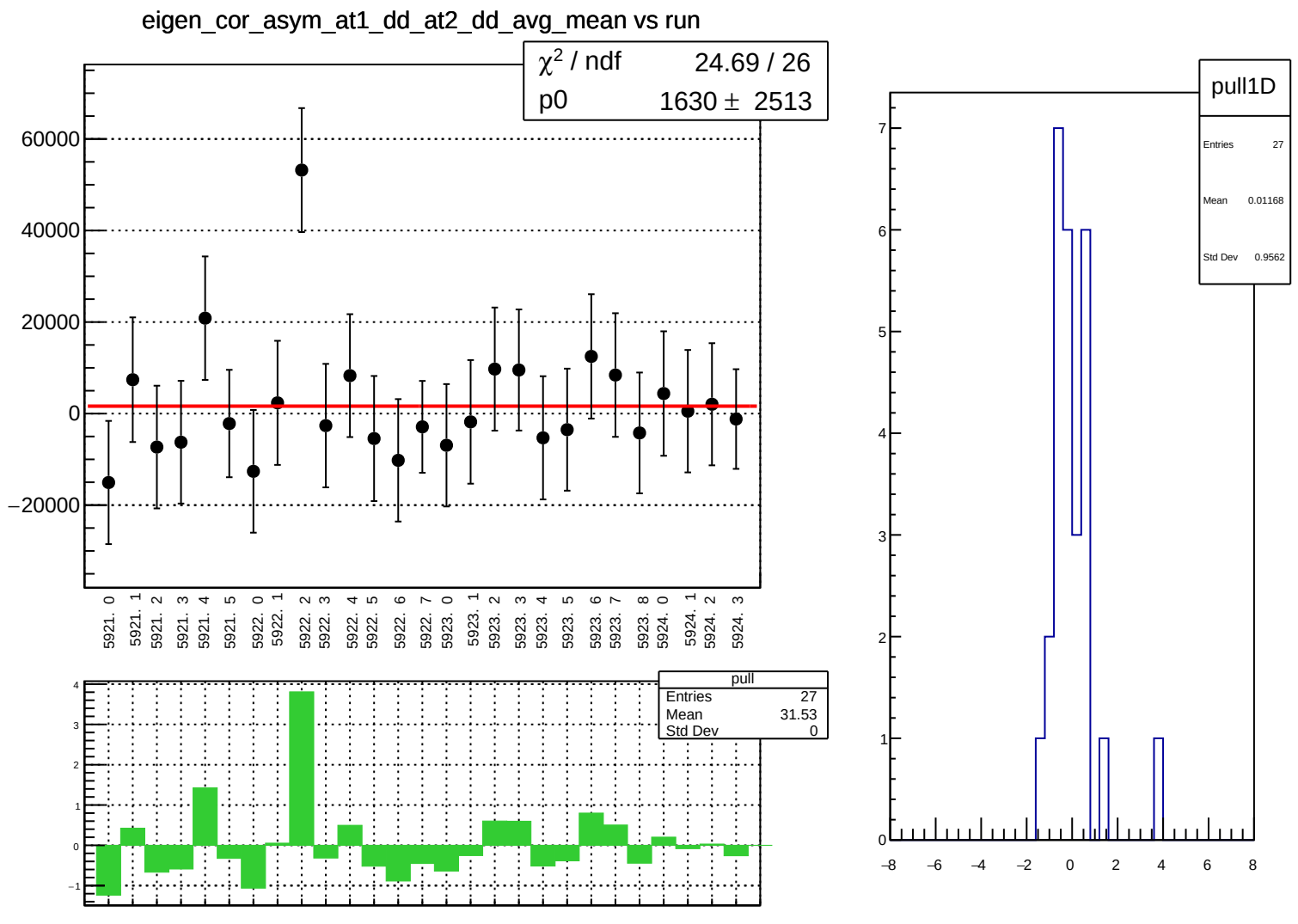
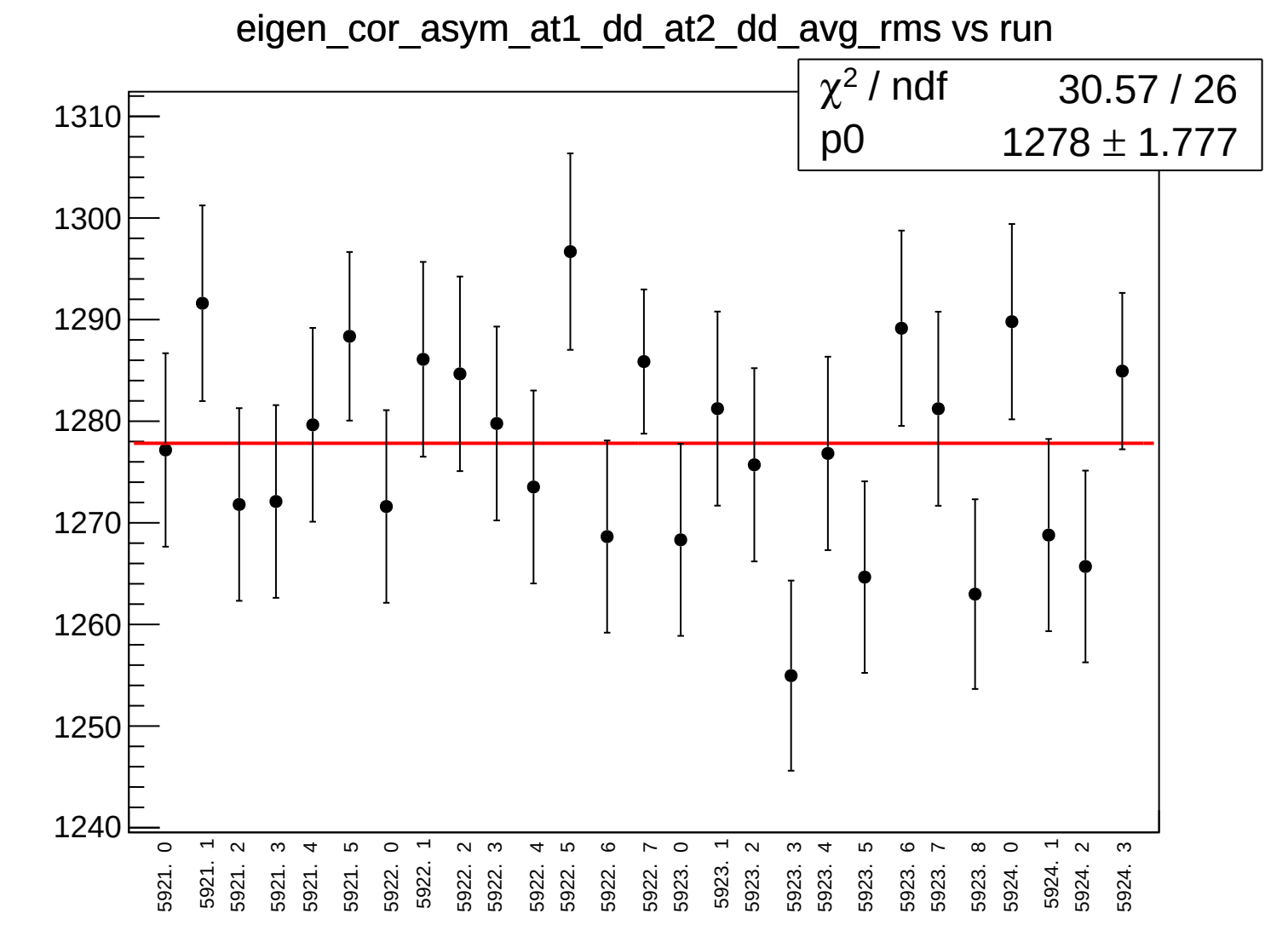
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


asym_at1_dd_at2_dd_avg_cor_correction_mean vs run
χ² / ndf 27.69 / 26
p0 1375 ± 1933
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 66.25
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean −0.0229
Std Dev 1.012
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_at1_dd_at2_dd_avg_cor_correction_rms vs run
χ² / ndf 8304 / 26
p0 975.1 ± 1.367
1300
1200
1100
1000
900
800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


eigen_cor_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 24.69 / 26
p0 1630 ± 2513
60000
40000
20000
0
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 31.53
Std Dev 0
4
3
2
1
0
−1
pull1D
Entries 27
Mean 0.01168
Std Dev 0.9562
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 30.57 / 26
p0 1278 ± 1.777
1310
1300
1290
1280
1270
1260
1250
1240
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
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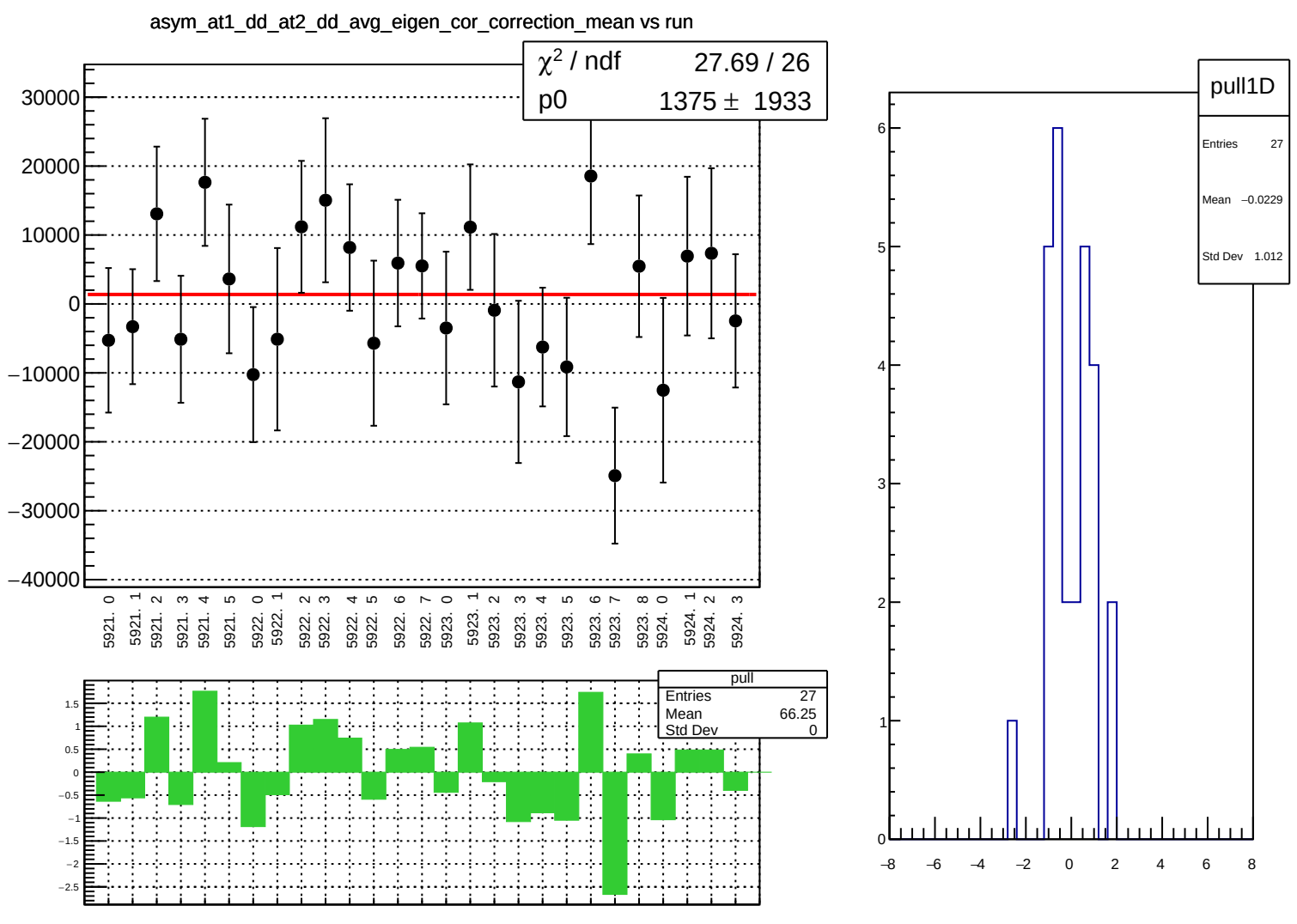
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


asym_at1_dd_at2_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 27.69 / 26
p0 1375 ± 1933
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 66.25
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean −0.0229
Std Dev 1.012
6
5
4
3
2
1
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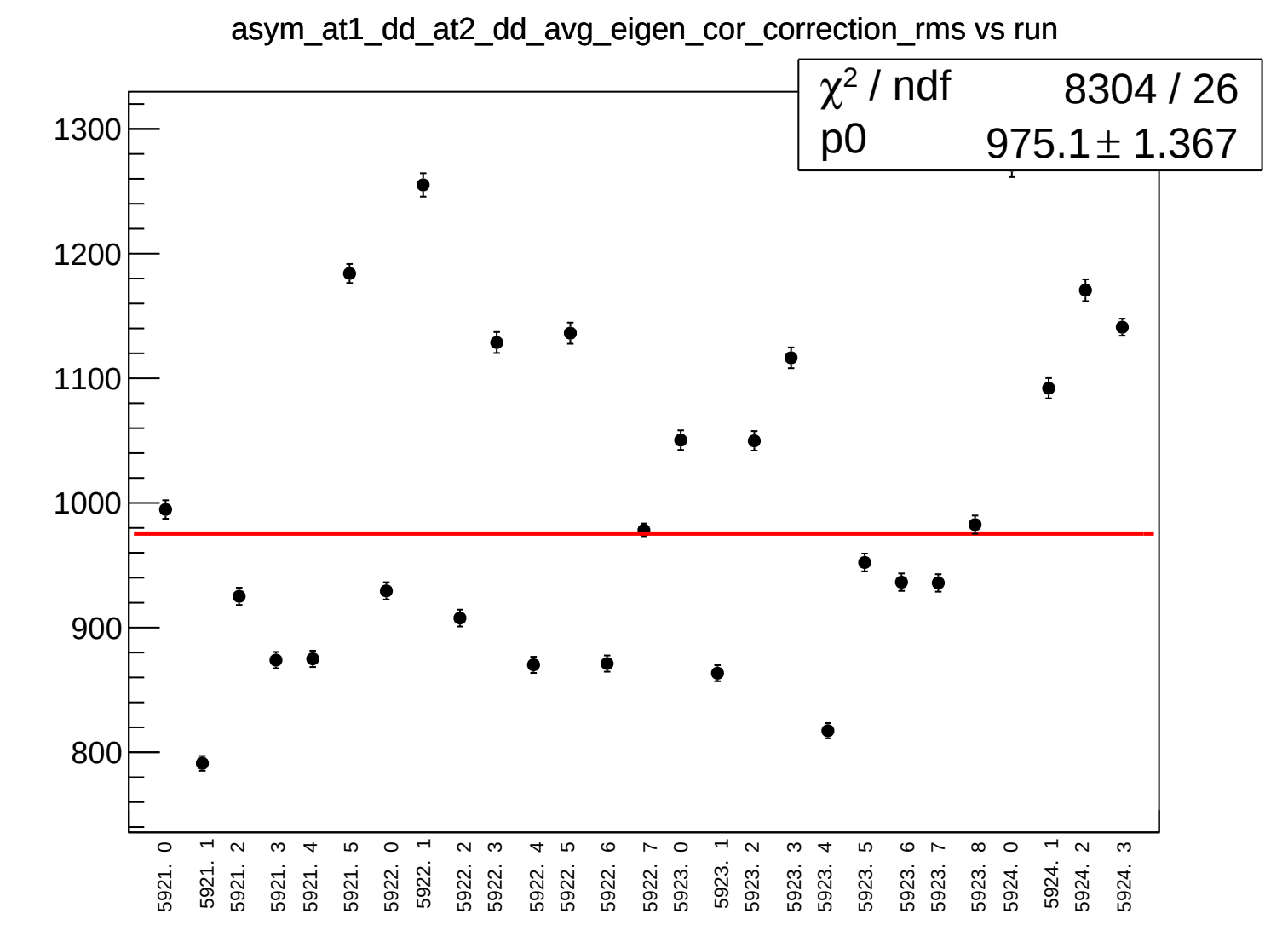
−6
−4
−2
0
2
4
6
8


asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 8304 / 26
p0 975.1 ± 1.367
1300
1200
1100
1000
900
800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
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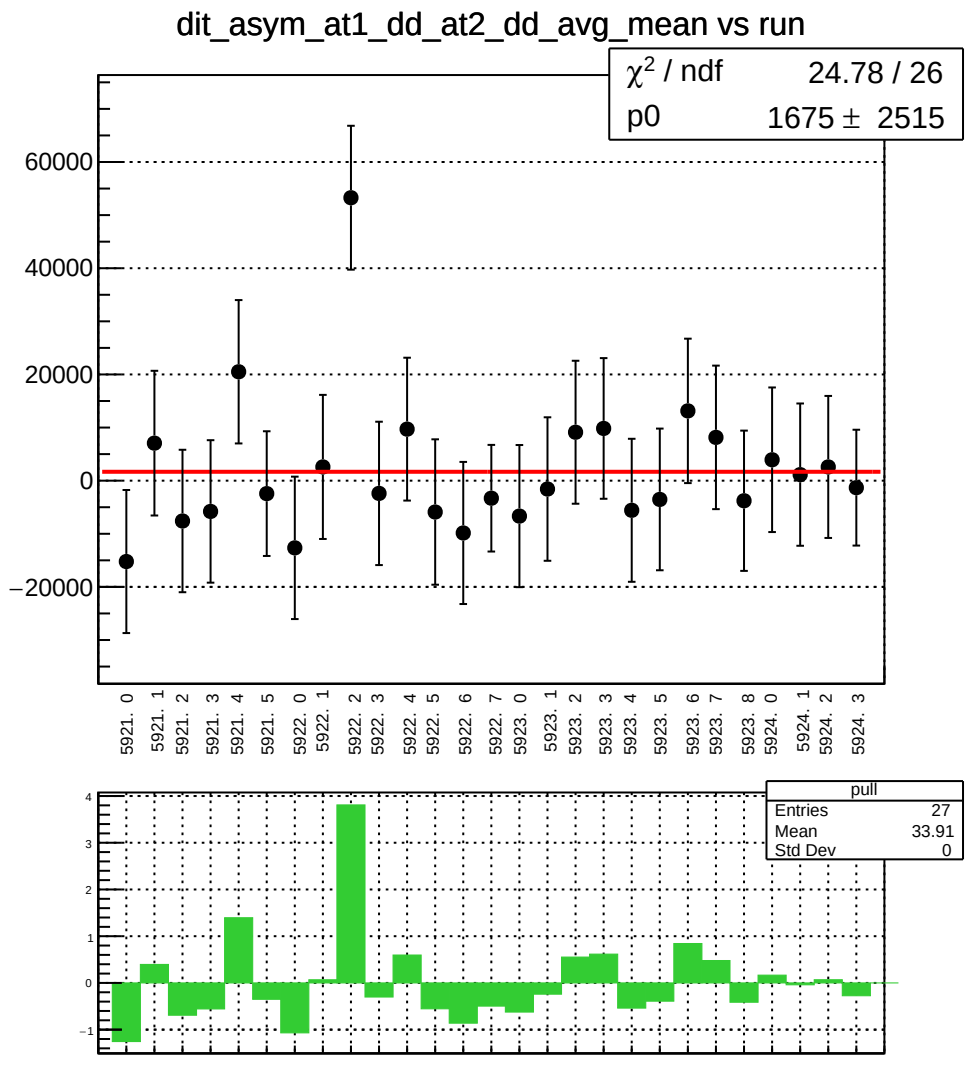
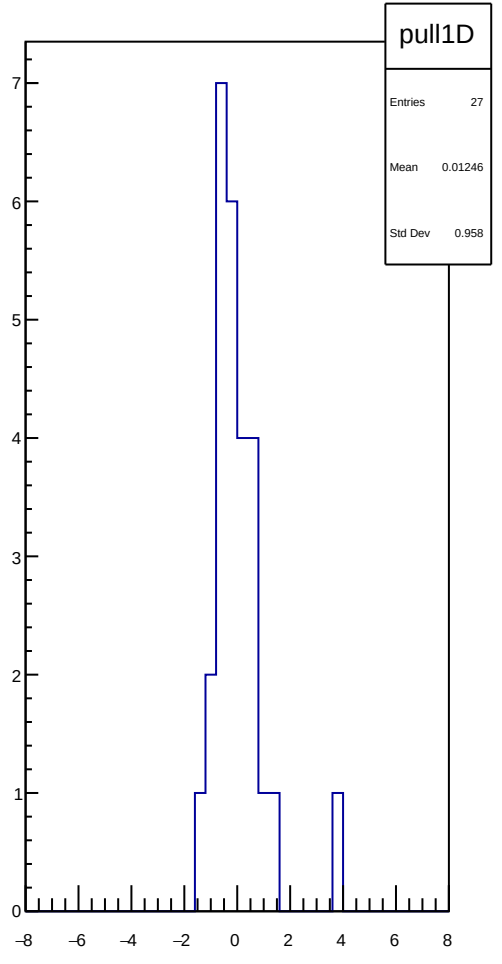
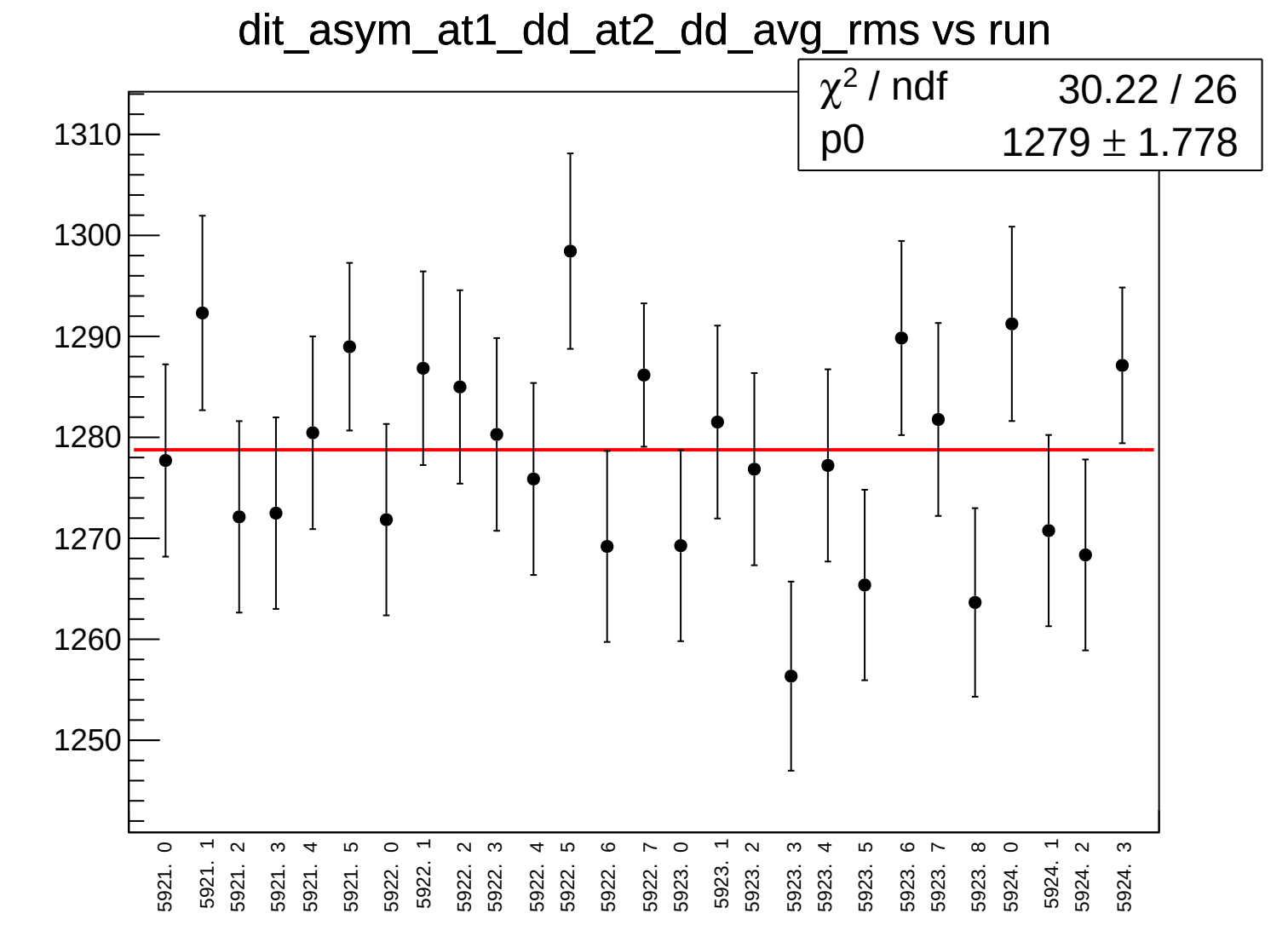
5924. 2
5924. 3


dit_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 24.78 / 26
p0 1675 ± 2515
60000
40000
20000
0
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 33.91
Std Dev 0
4
3
2
1
0
−1


pull1D
Entries 27
Mean 0.01246
Std Dev 0.958
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 30.22 / 26
p0 1279 ± 1.778
1310
1300
1290
1280
1270
1260
1250
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
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5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
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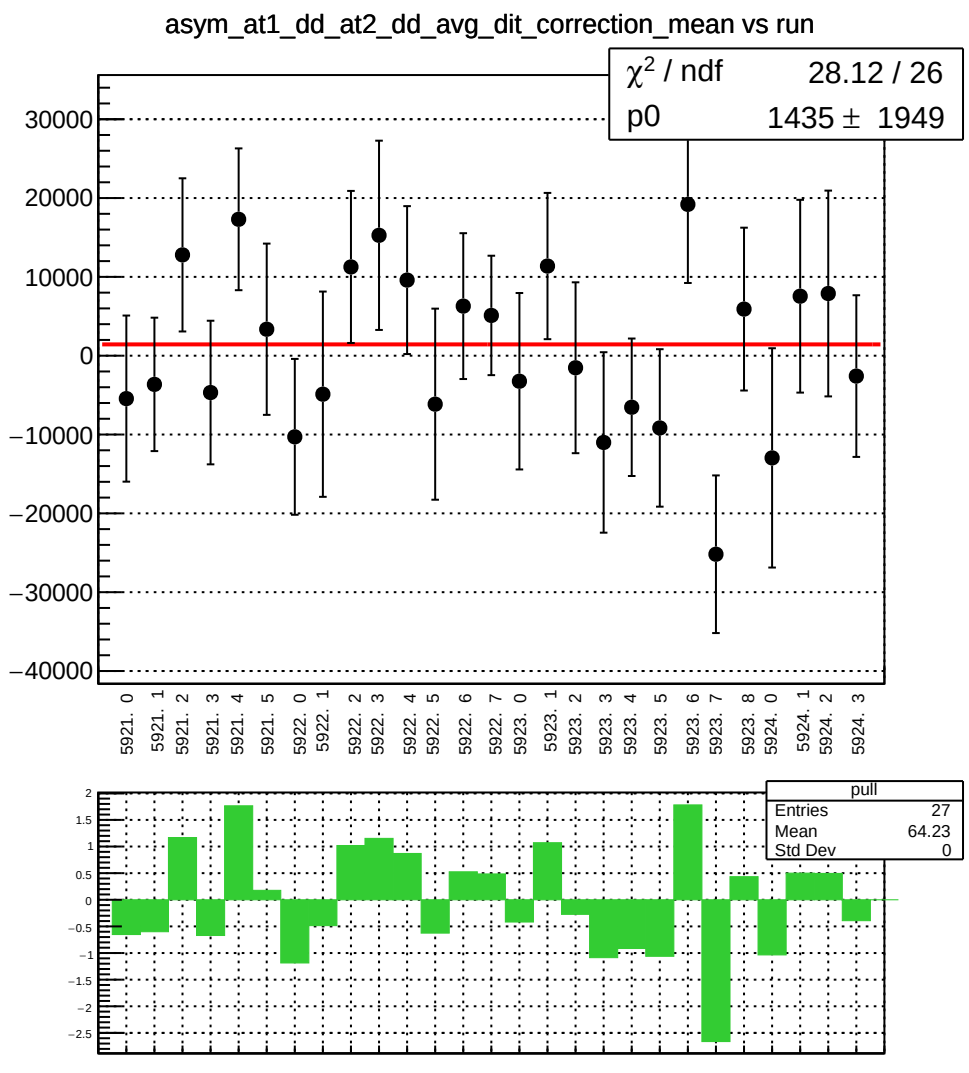
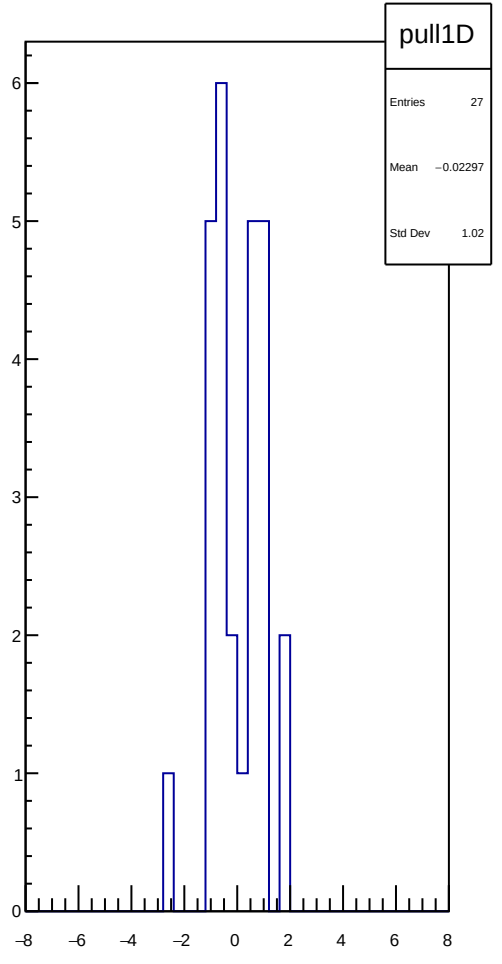
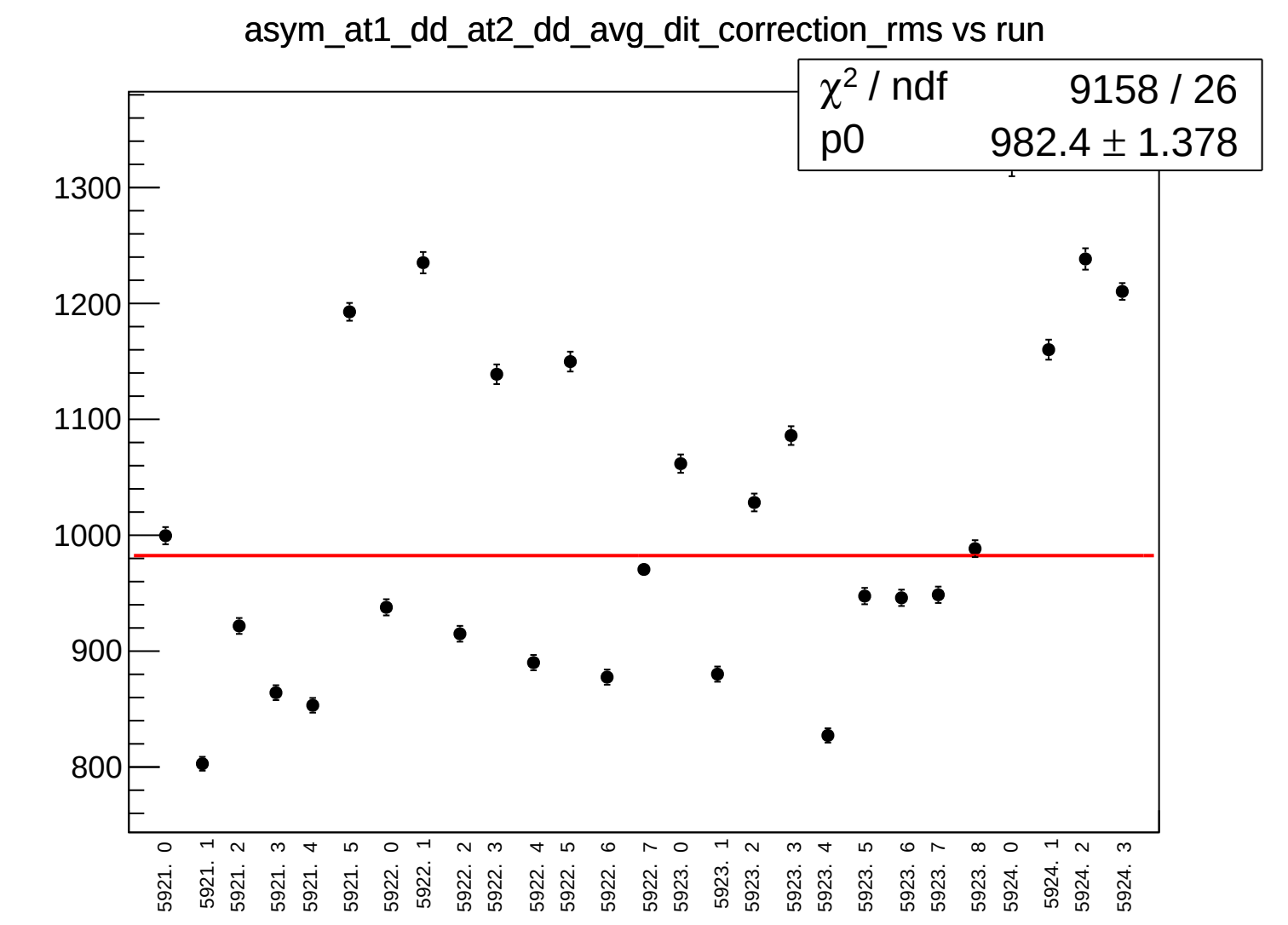
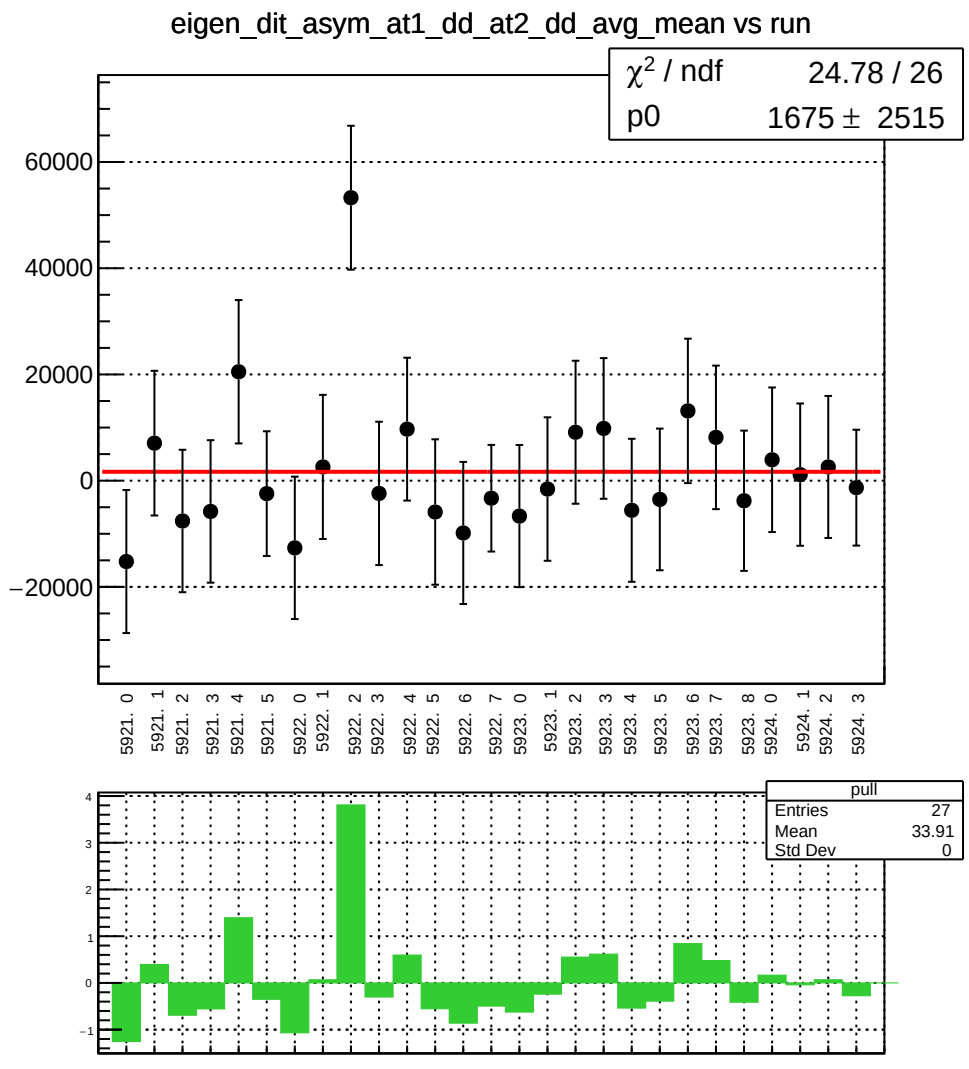
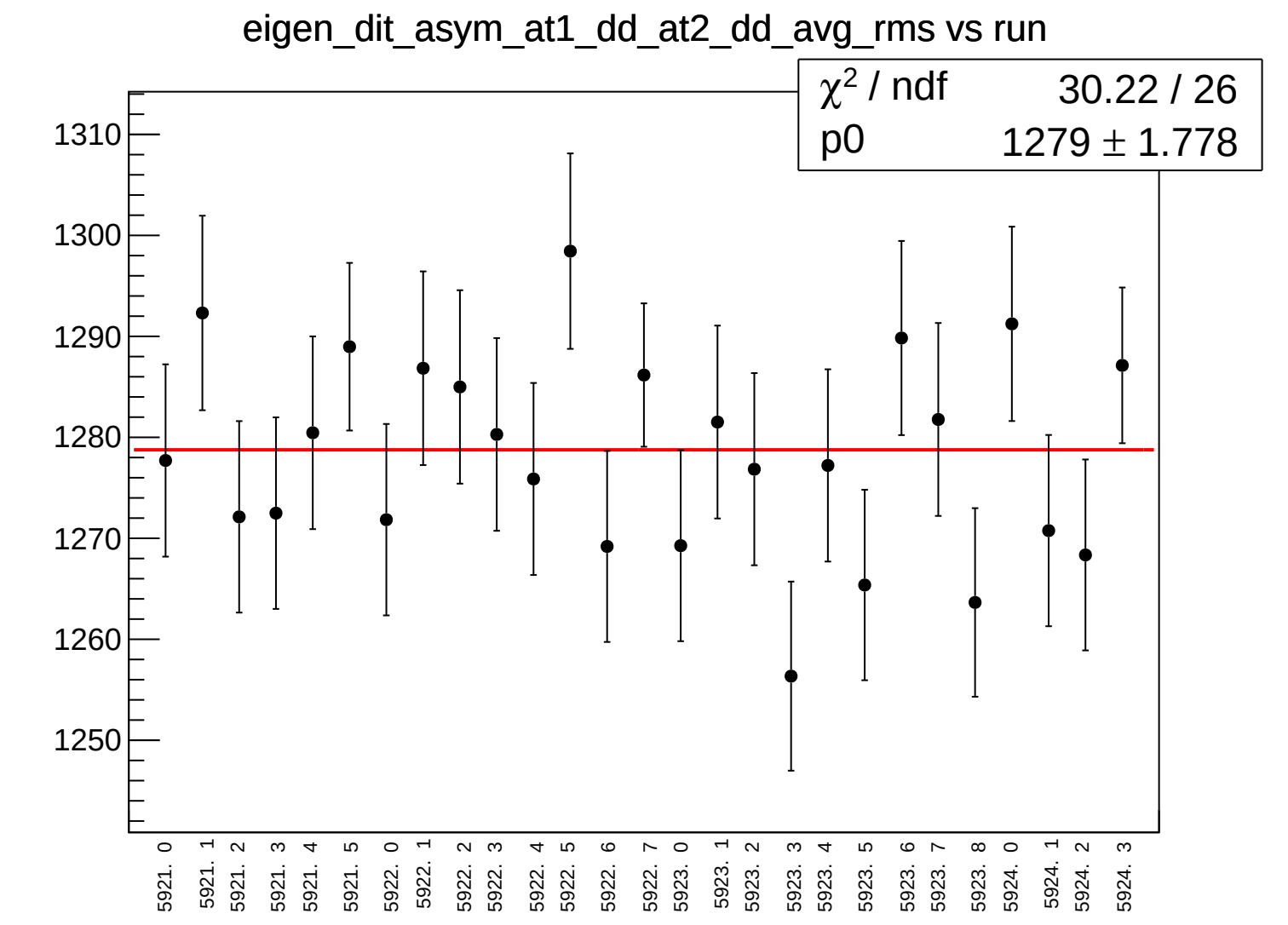
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

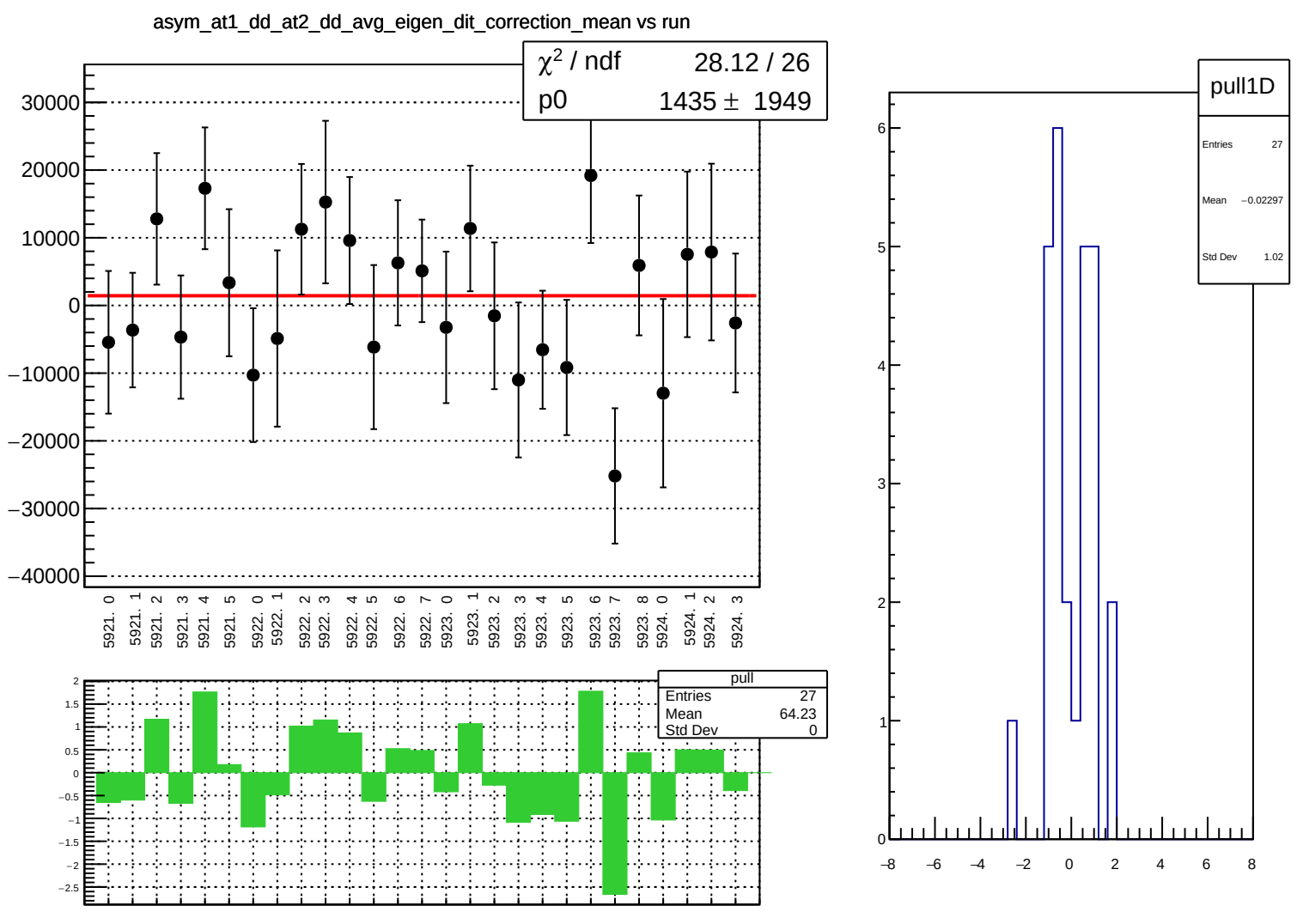

asym_at1_dd_at2_dd_avg_dit_correction_mean vs run
χ² / ndf 28.12 / 26
p0 1435 ± 1949
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 64.23
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

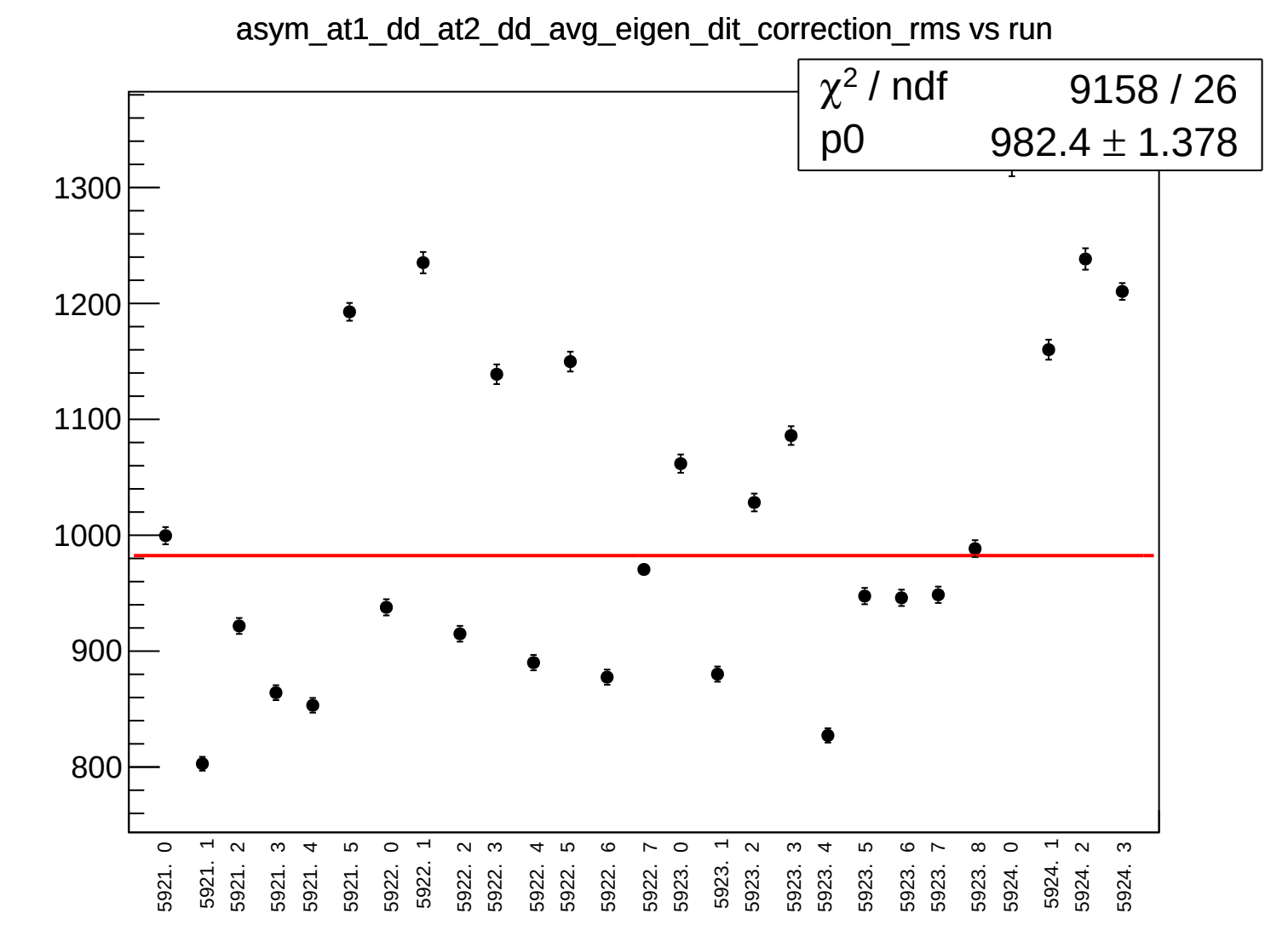

pull1D
Entries 27
Mean −0.02297
Std Dev 1.02
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

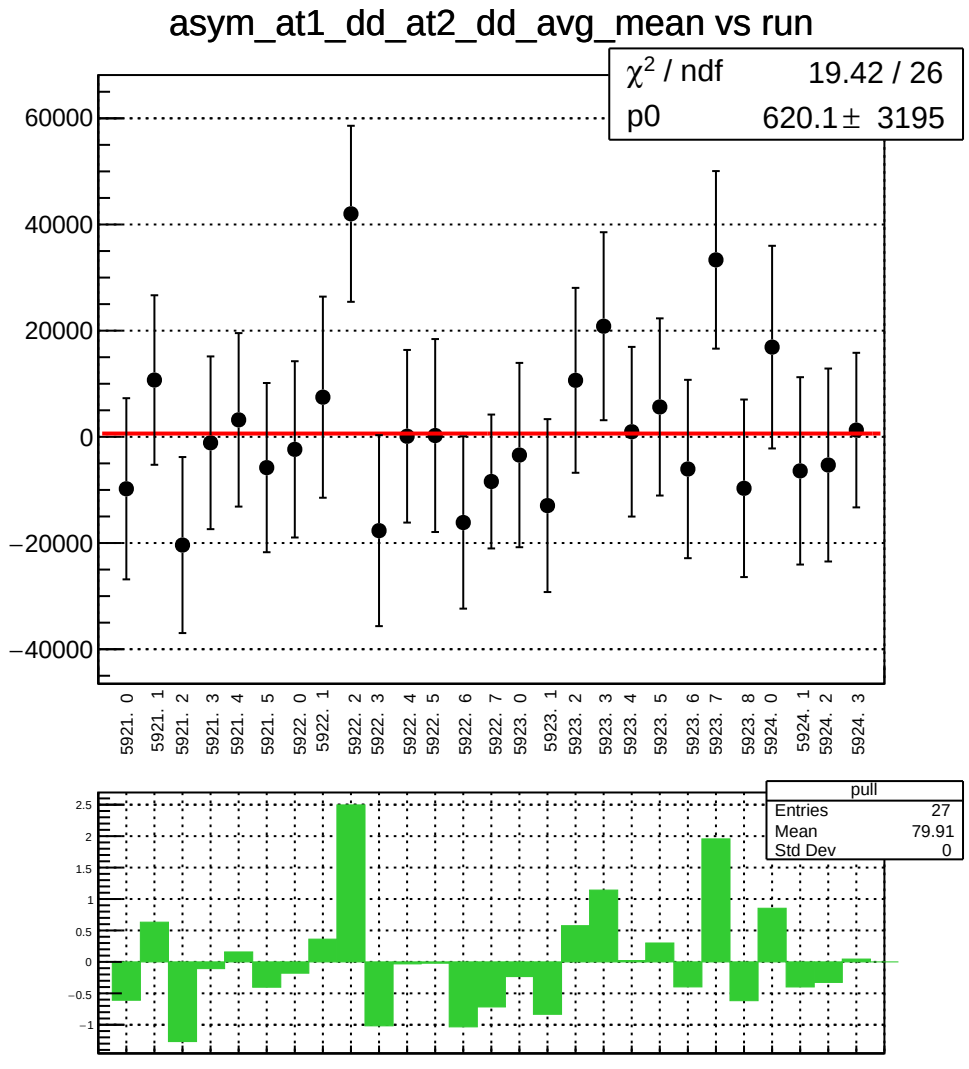

asym_at1_dd_at2_dd_avg_dit_correction_rms vs run
χ² / ndf 9158 / 26
p0 982.4 ± 1.378
1300
1200
1100
1000
900
800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

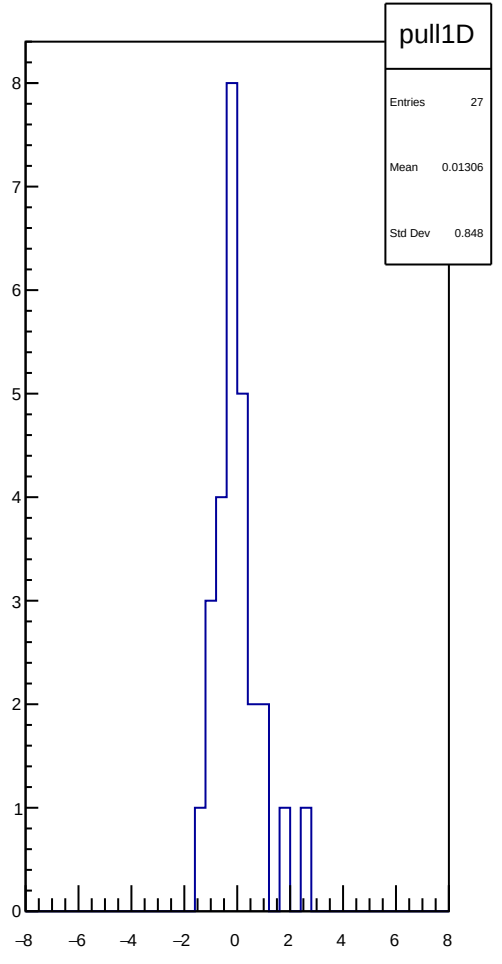

eigen_dit_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 24.78 / 26
p0 1675 ± 2515
60000
40000
20000
0
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 33.91
Std Dev 0
4
3
2
1
0
−1
pull1D
Entries 27
Mean 0.01246
Std Dev 0.958
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

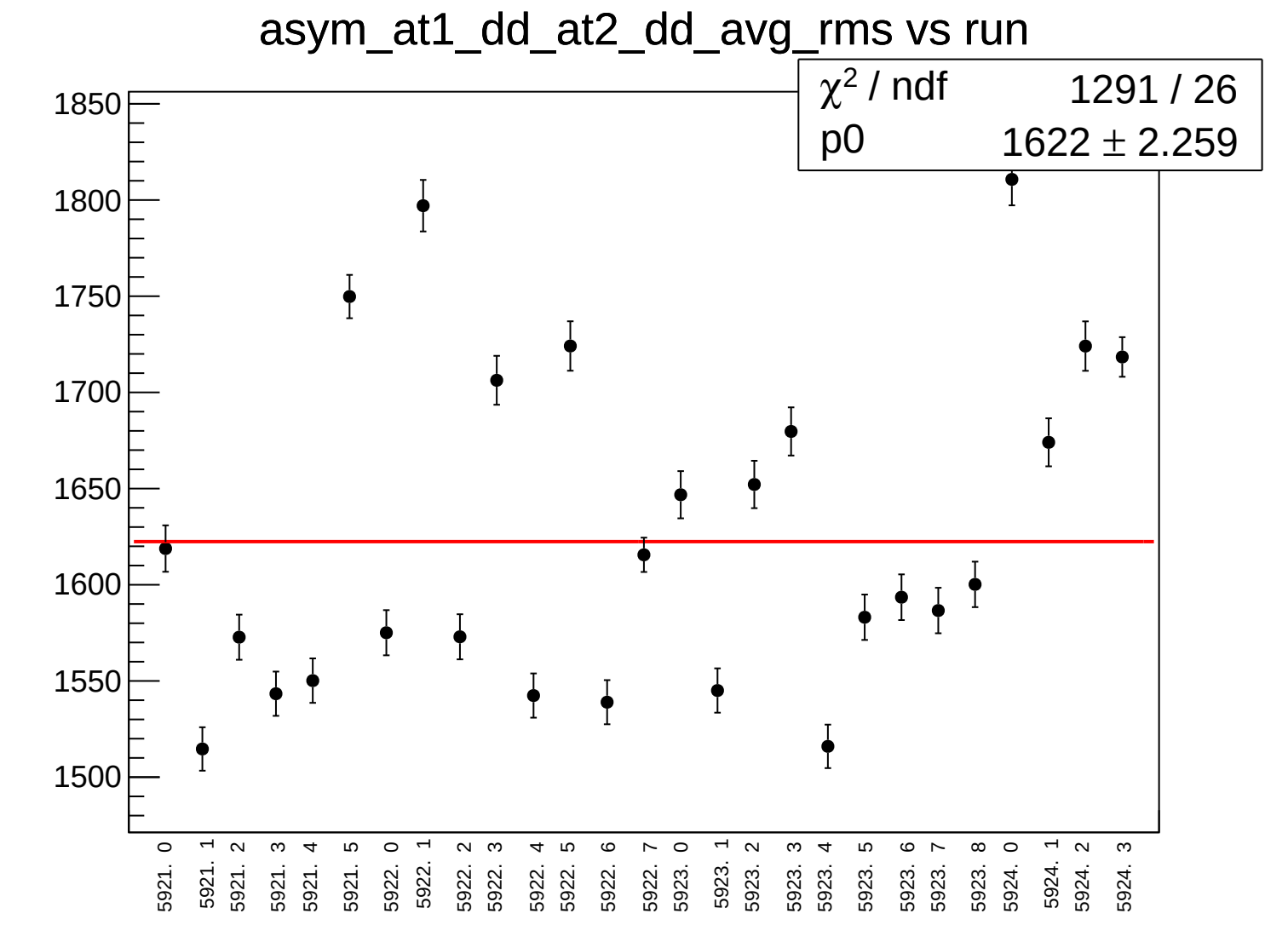

eigen_dit_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 30.22 / 26
p0 1279 ± 1.778
1310
1300
1290
1280
1270
1260
1250
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

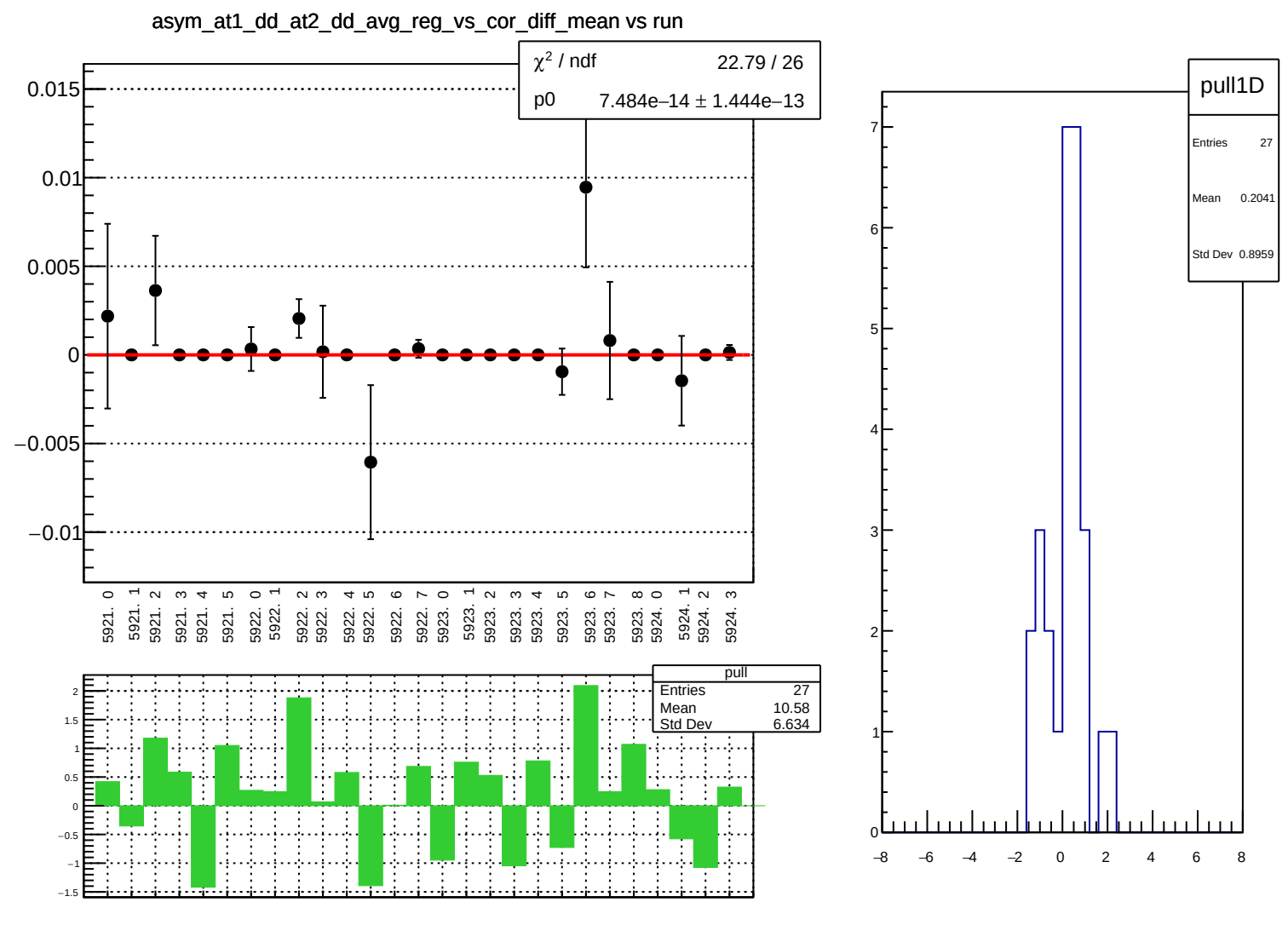

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 28.12 / 26
p0 1435 ± 1949
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 64.23
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean −0.02297
Std Dev 1.02
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

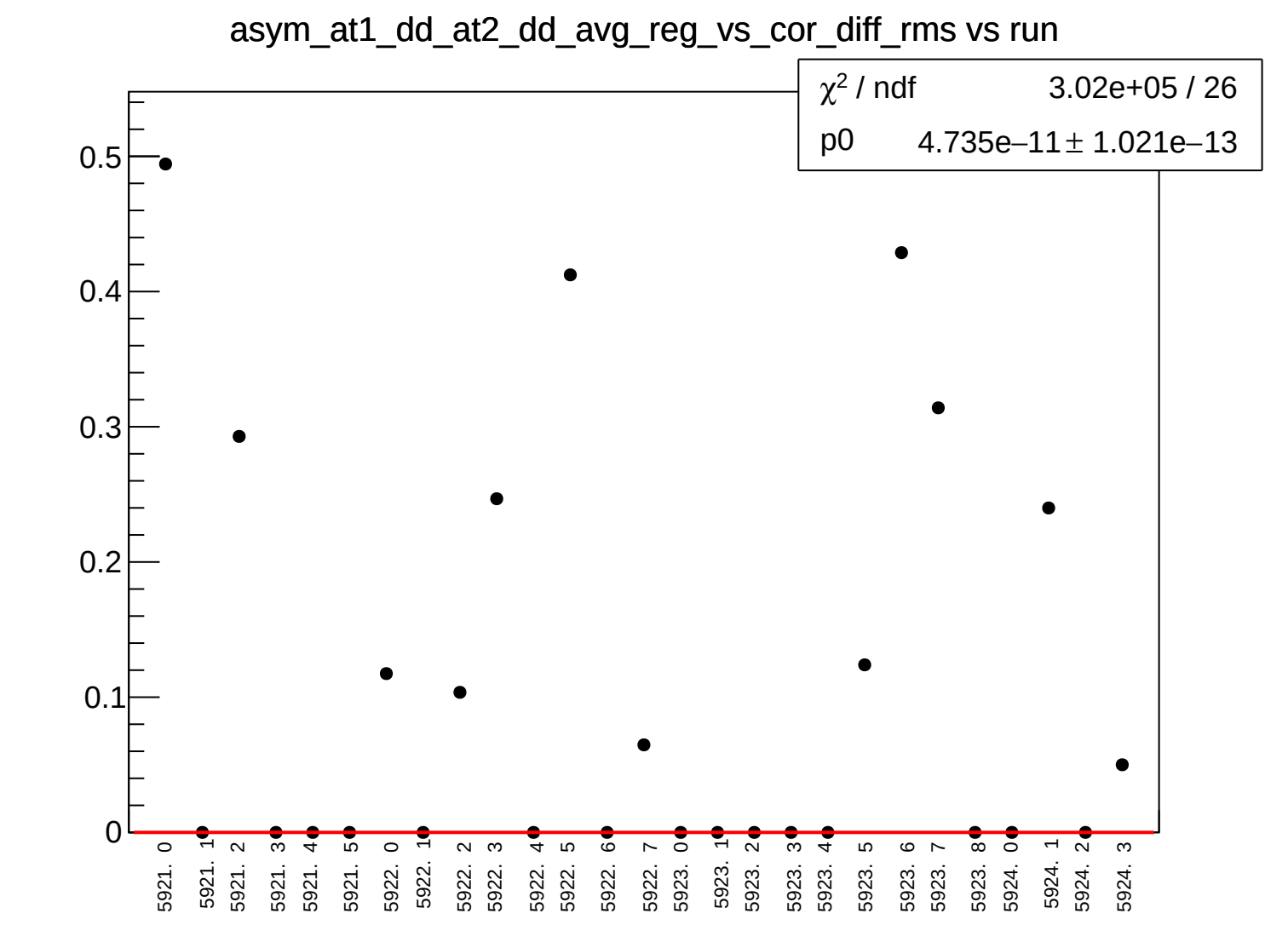

asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 9158 / 26
p0 982.4 ± 1.378
1300
1200
1100
1000
900
800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

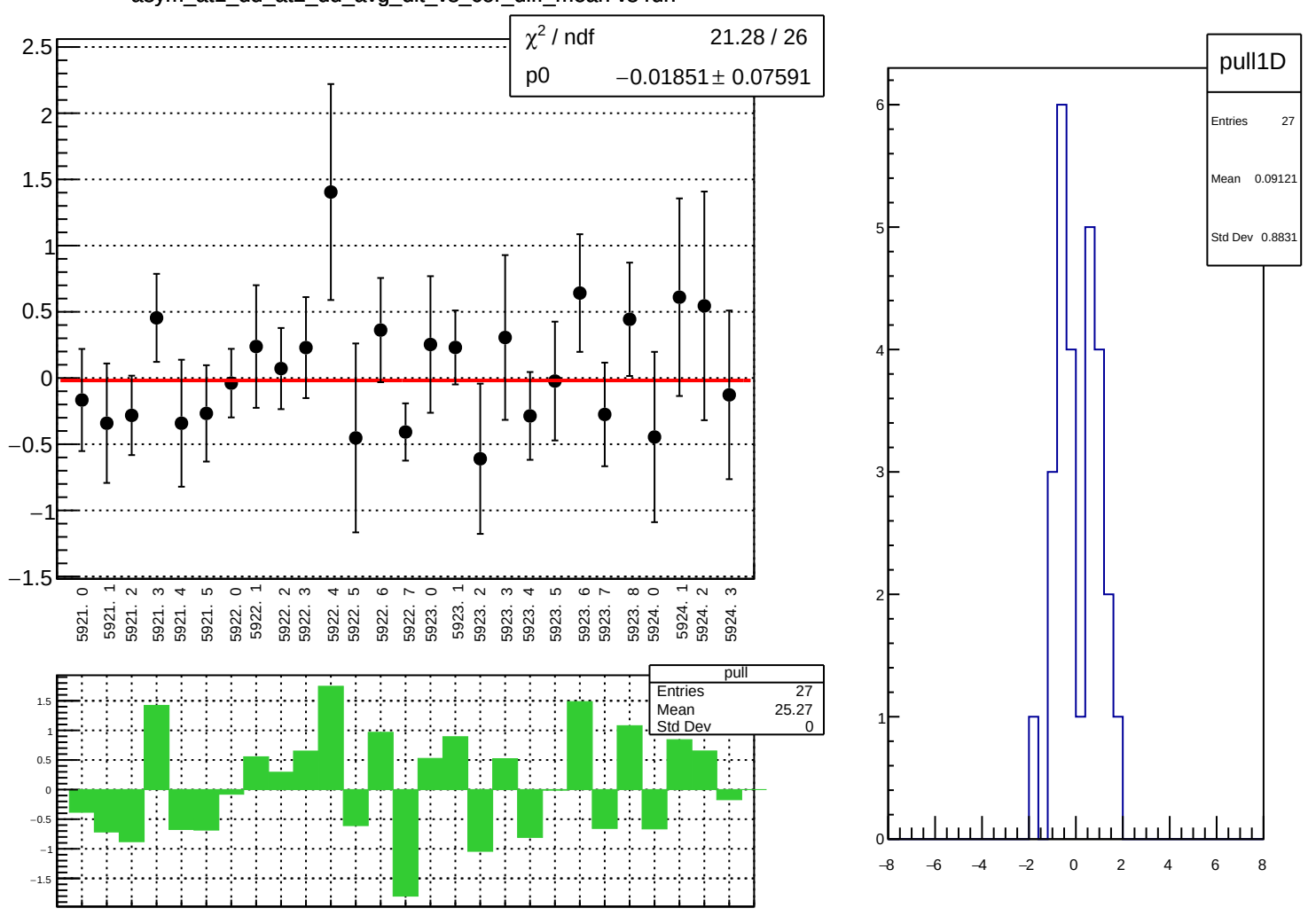

asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 19.42 / 26
p0 620.1 ± 3195
60000
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 79.91
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1

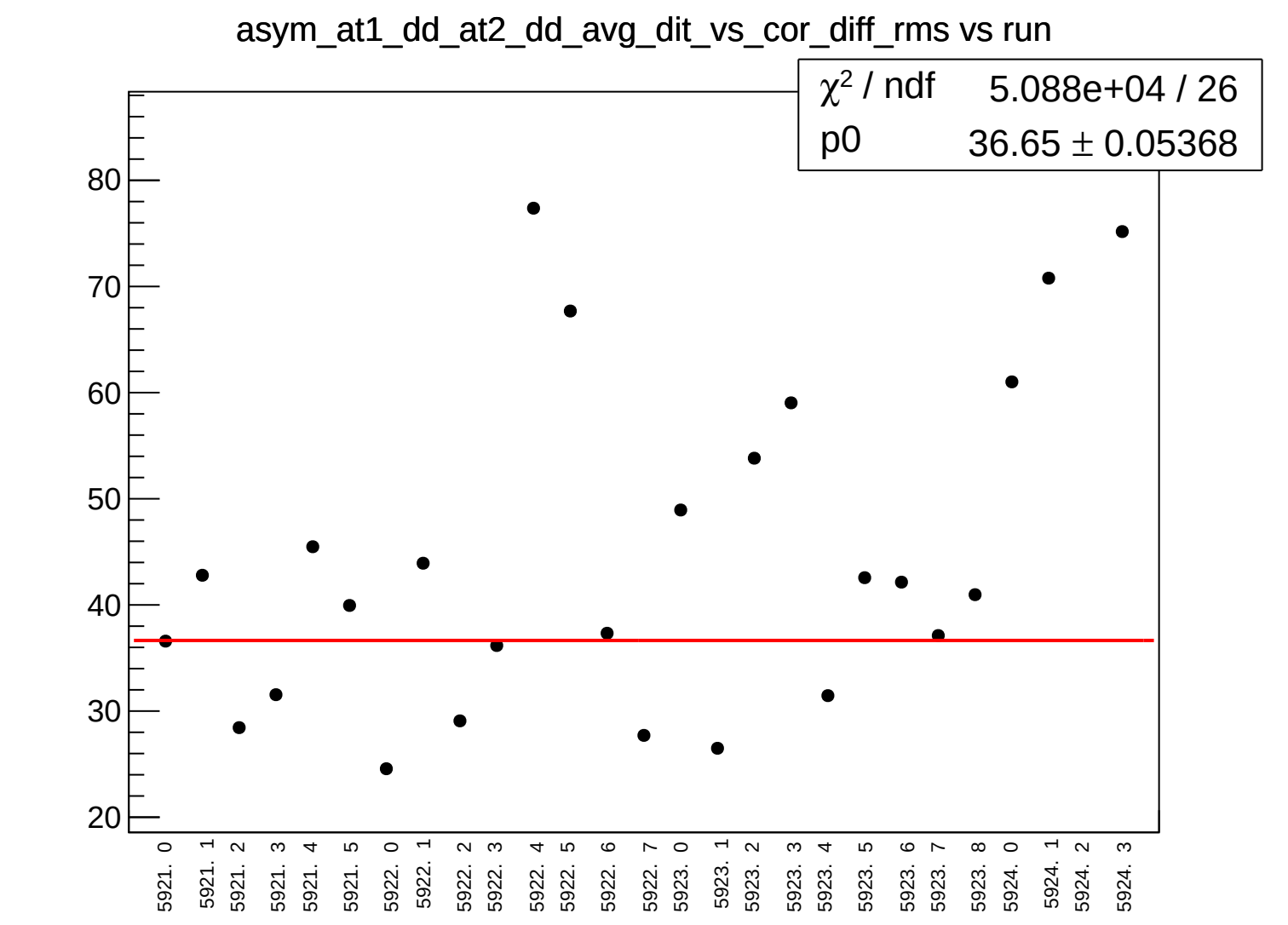

pull1D
Entries 27
Mean 0.01306
Std Dev 0.848
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

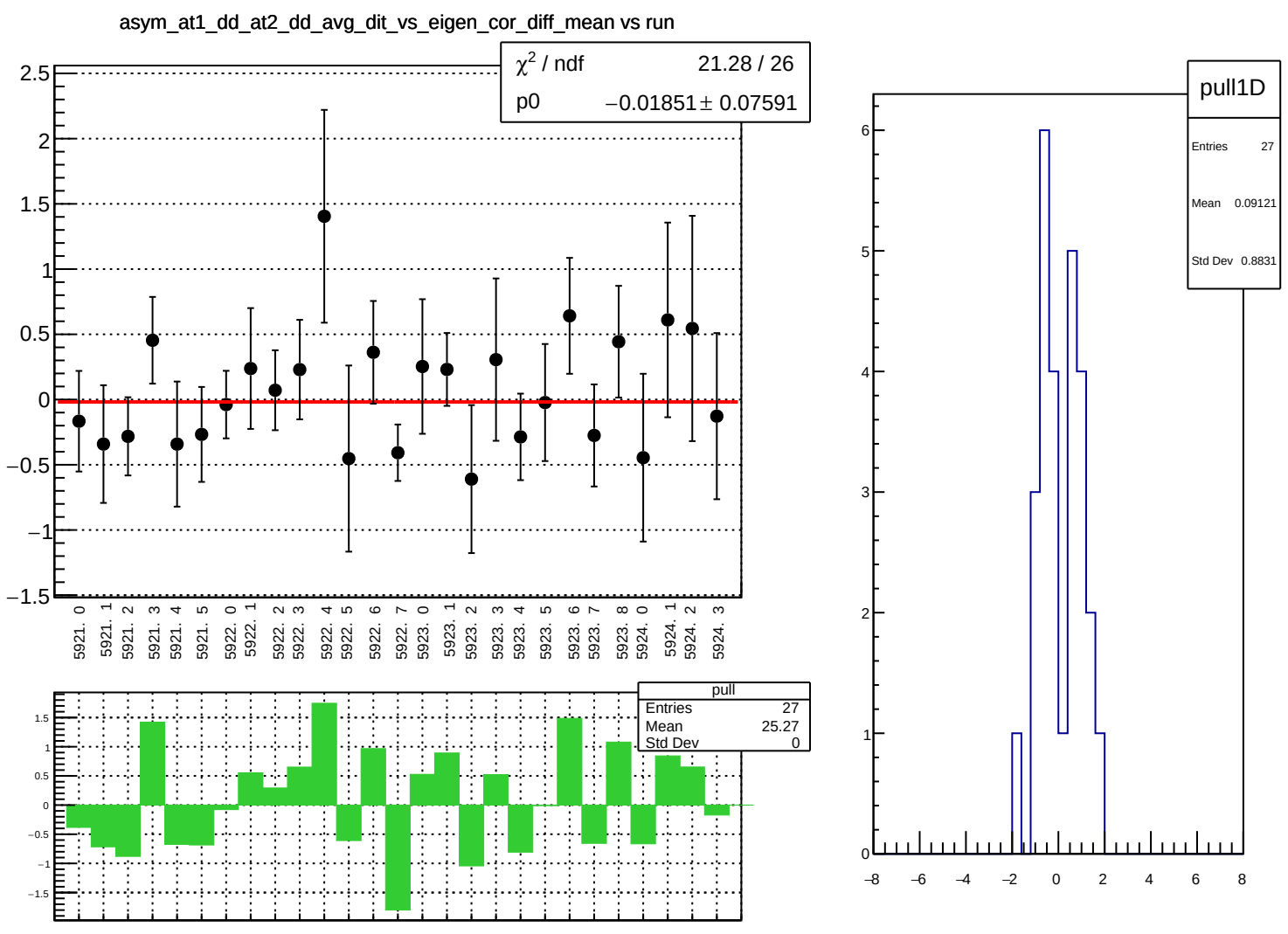

asym_at1_dd_at2_dd_avg_rms vs run
χ^2 / ndf 1291 / 26
p0 1622 ± 2.259
1850
1800
1750
1700
1650
1600
1550
1500
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

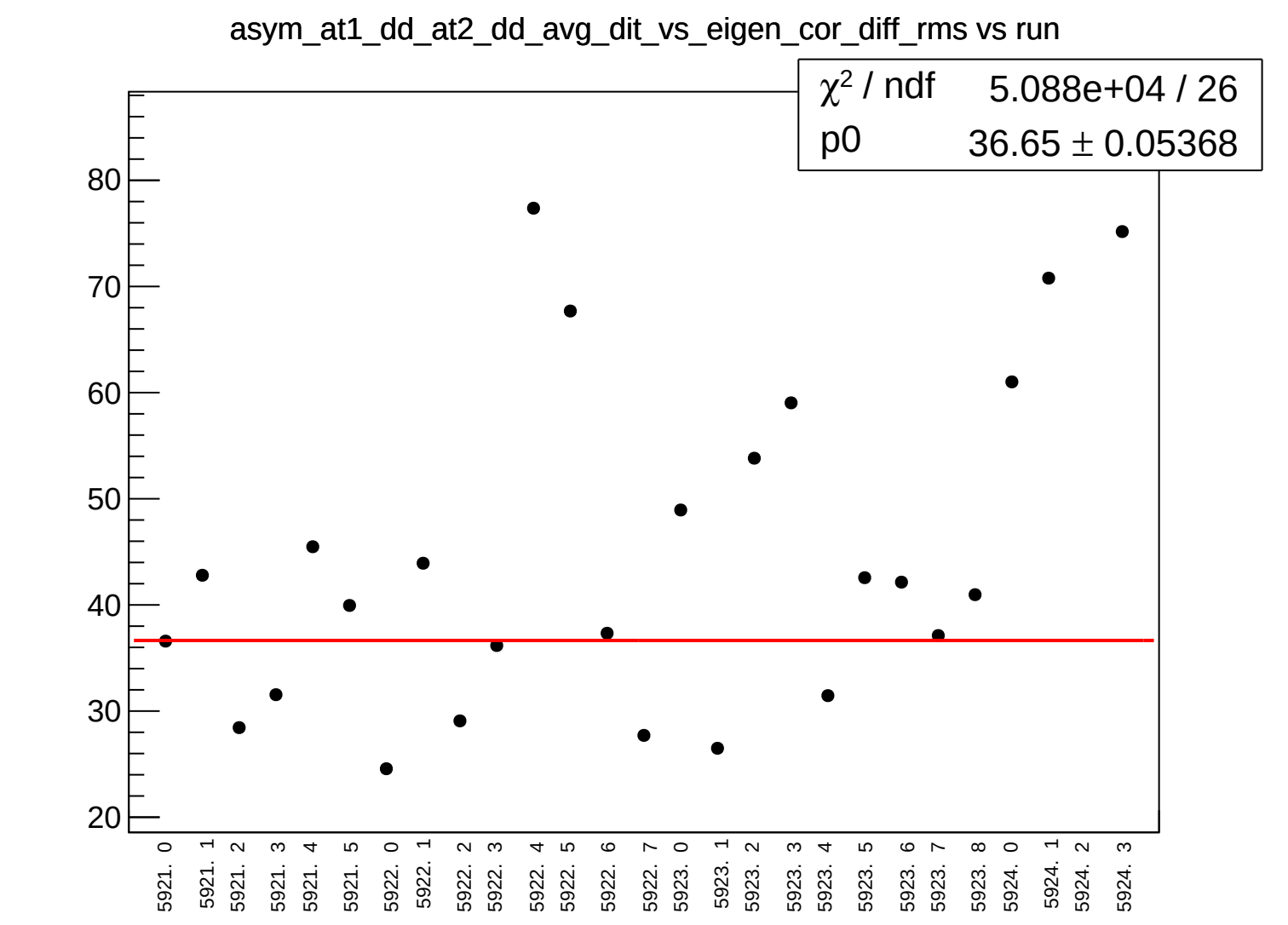

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 22.79 / 26
p0 7.484e−14 ± 1.444e−13
0.015
0.01
0.005
0
−0.005
−0.01
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 10.58
Std Dev 6.634
pull1D
Entries 27
Mean 0.2041
Std Dev 0.8959

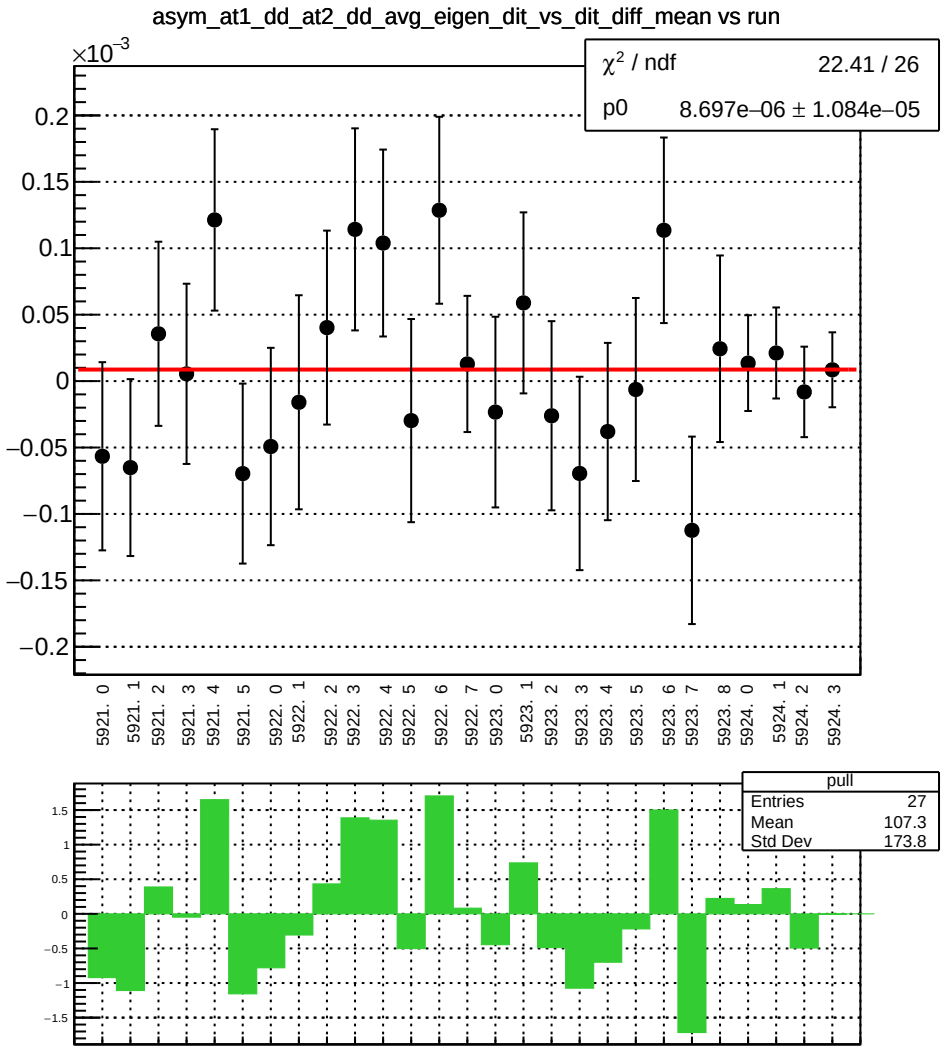

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.02e+05 / 26
p0 4.735e−11 ± 1.021e−13
0.5
0.4
0.3
0.2
0.1
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

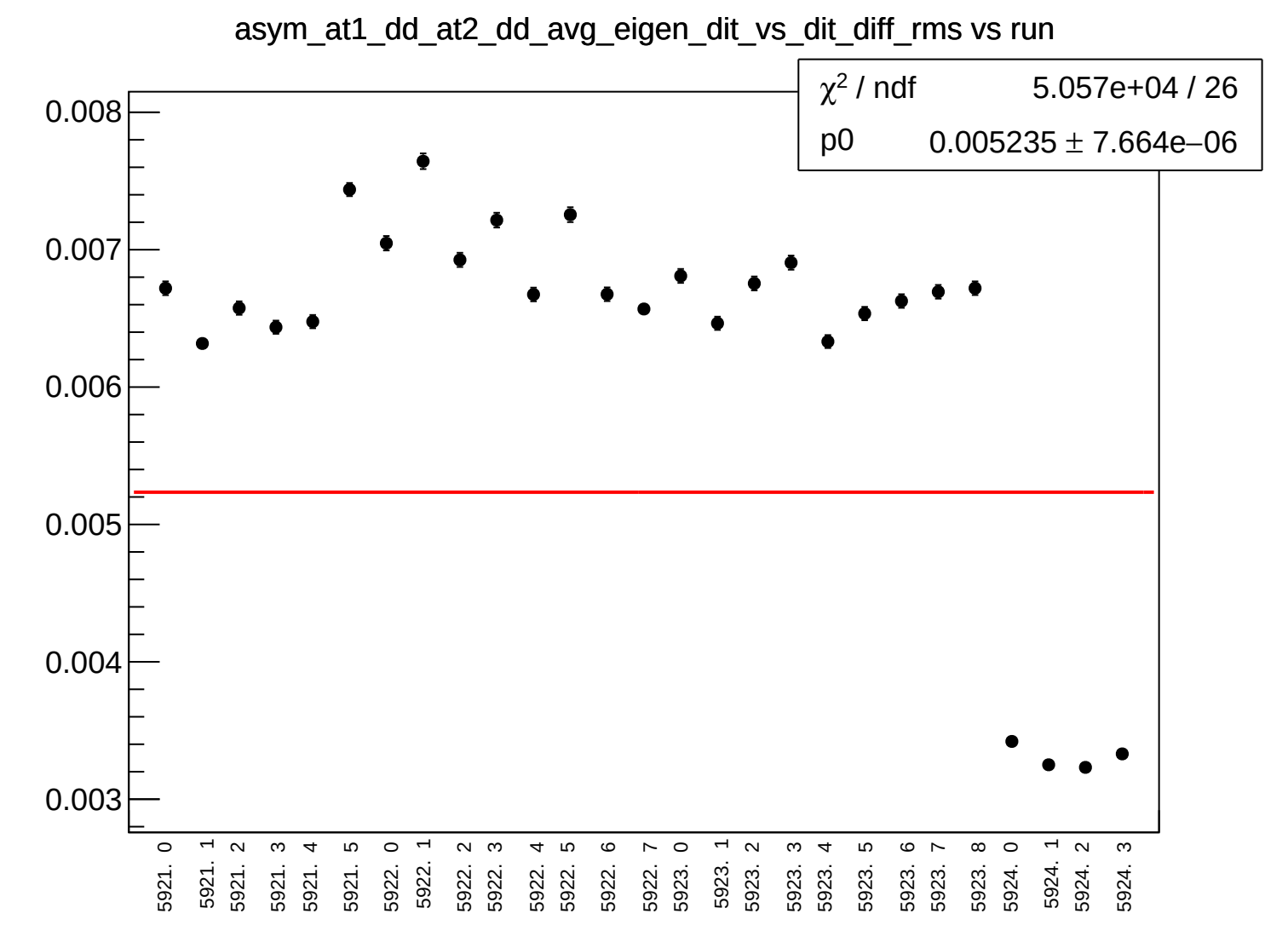

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 21.28 / 26
p0 −0.01851 ± 0.07591
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 25.27
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.09121
Std Dev 0.8831
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

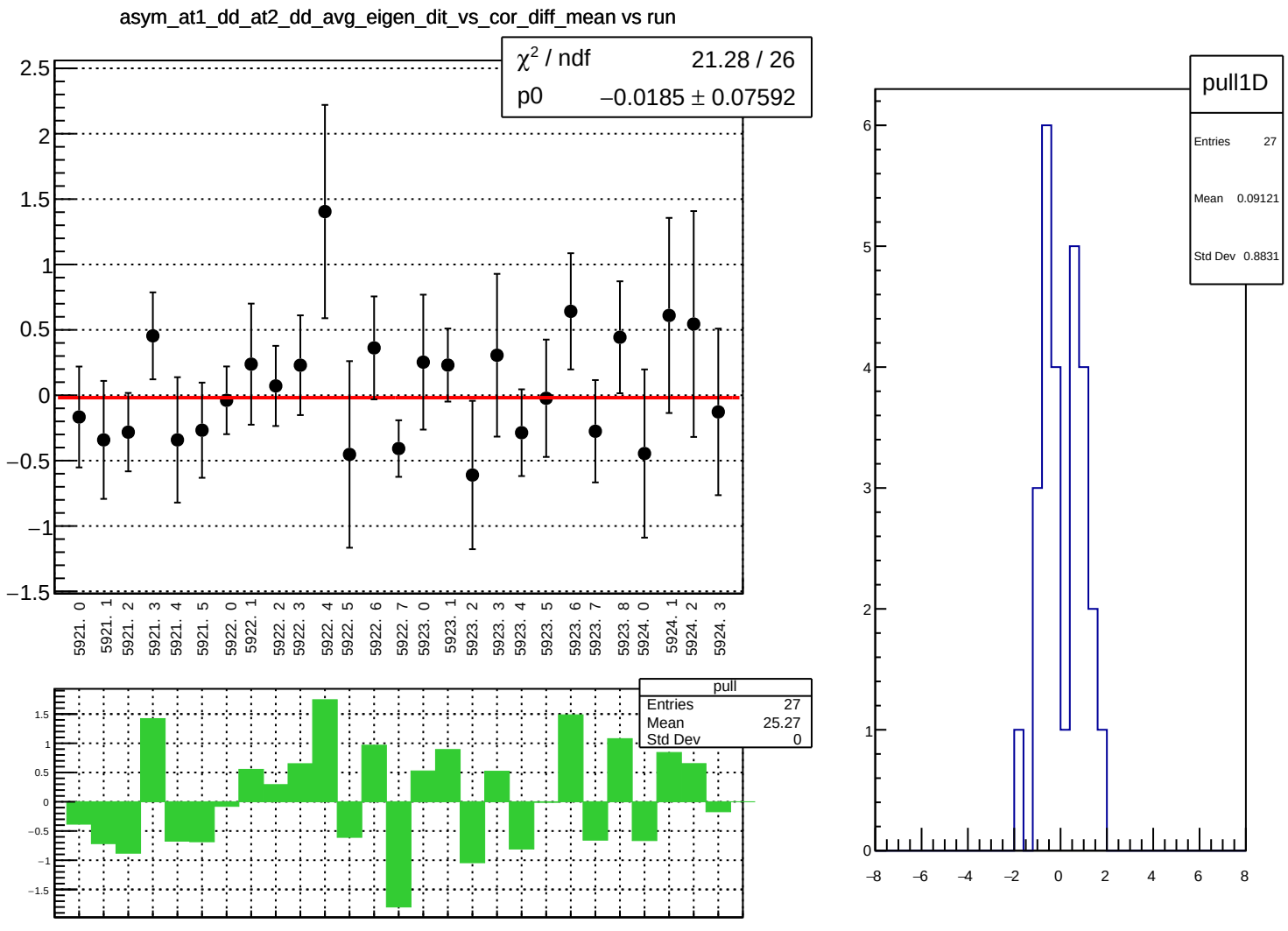

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.088e+04 / 26
p0 36.65 ± 0.05368
80
70
60
50
40
30
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

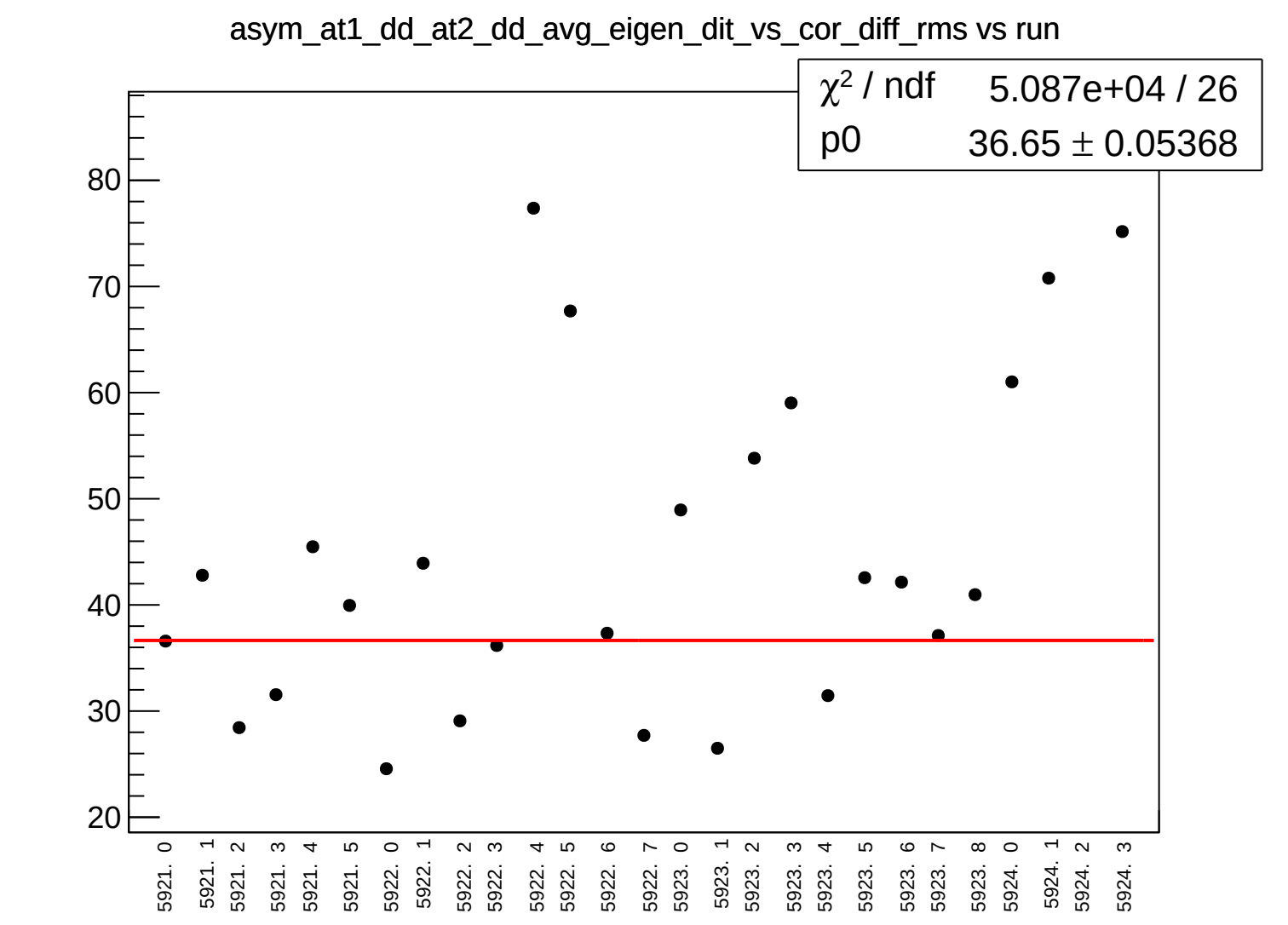

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 21.28 / 26
p0 −0.01851 ± 0.07591
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 25.27
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.09121
Std Dev 0.8831
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

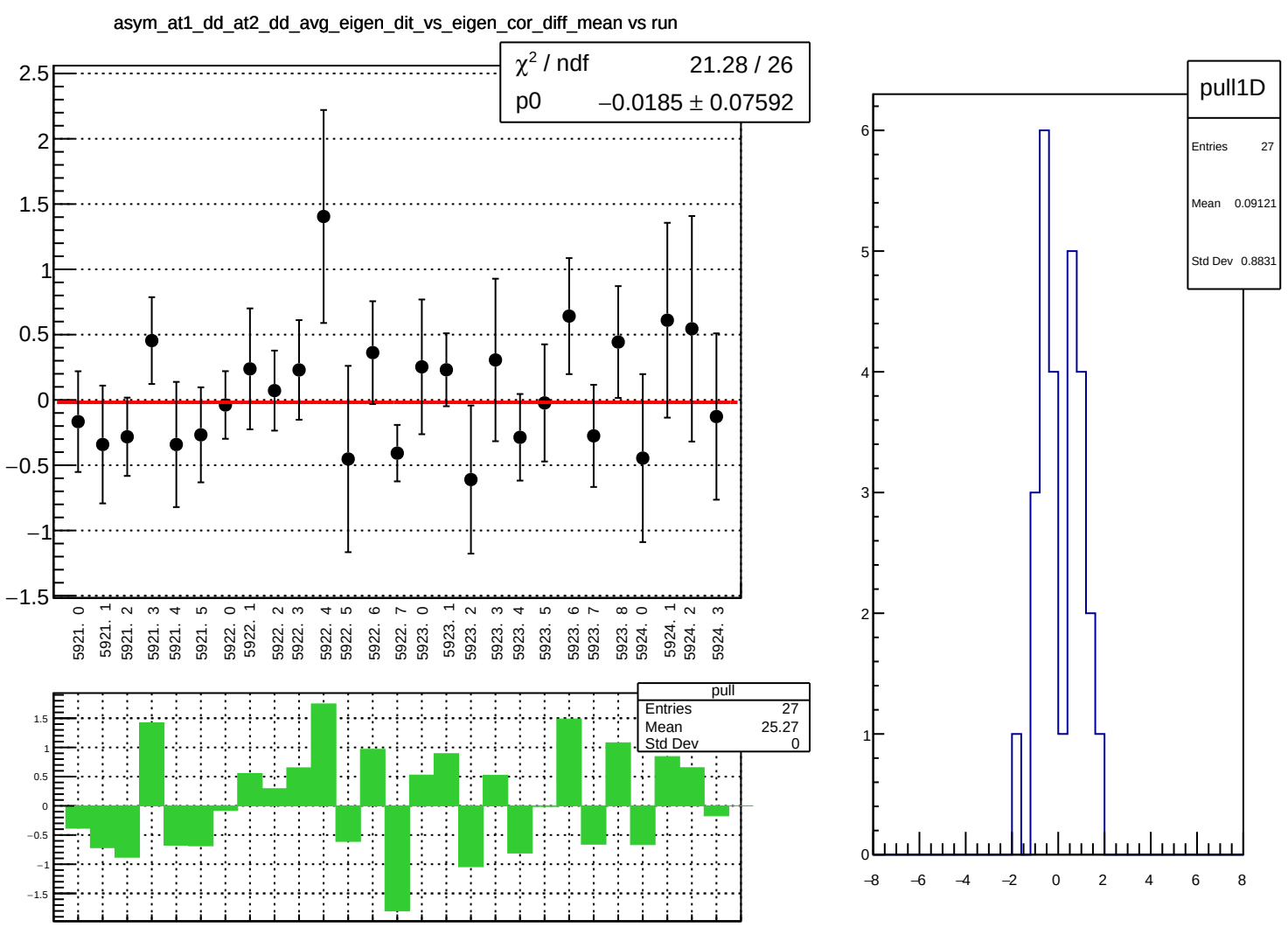

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.088e+04 / 26
p0 36.65 ± 0.05368
80
70
60
50
40
30
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

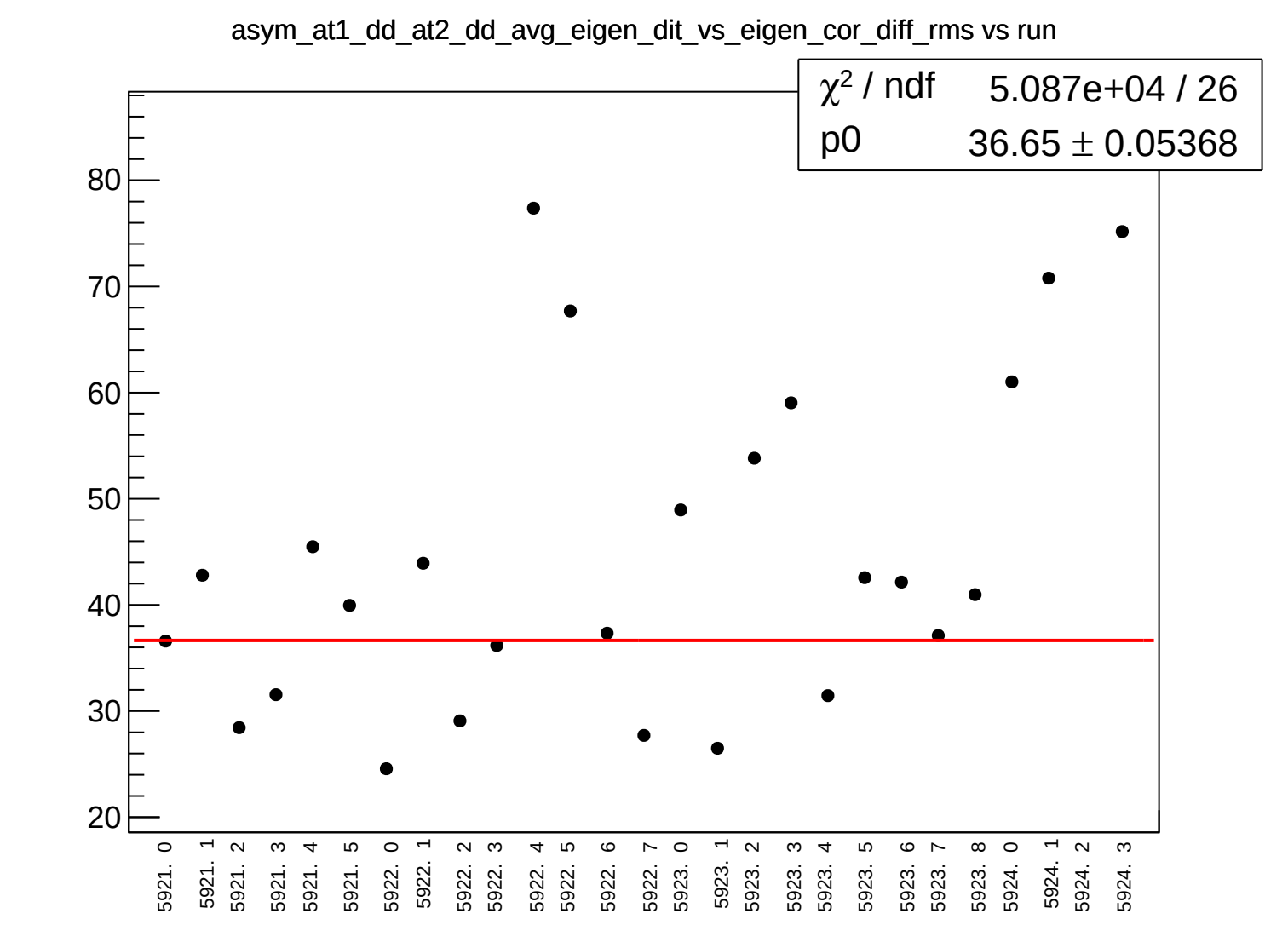

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 22.41 / 26
p0 8.697e−06 ± 1.084e−05
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 107.3
Std Dev 173.8
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.0002804
Std Dev 0.9111
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

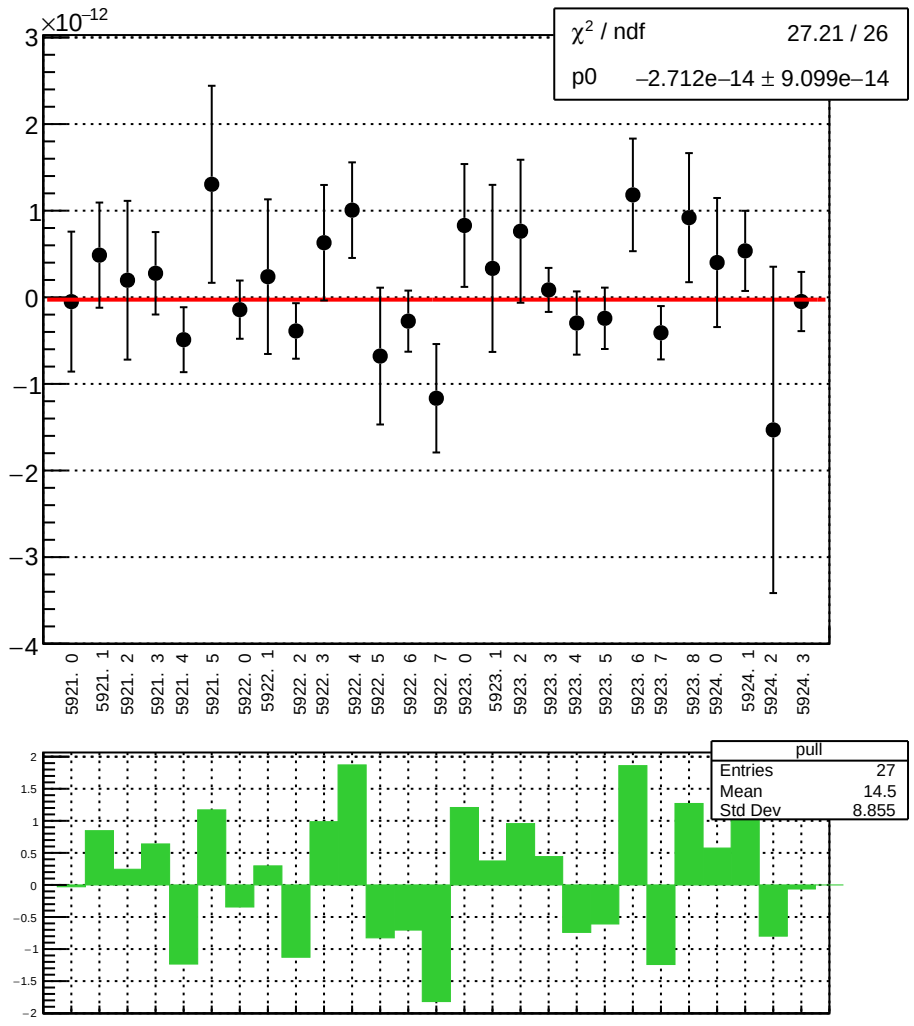

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5.057e+04 / 26
p0 0.005235 ± 7.664e−06
0.008
0.007
0.006
0.005
0.004
0.003
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

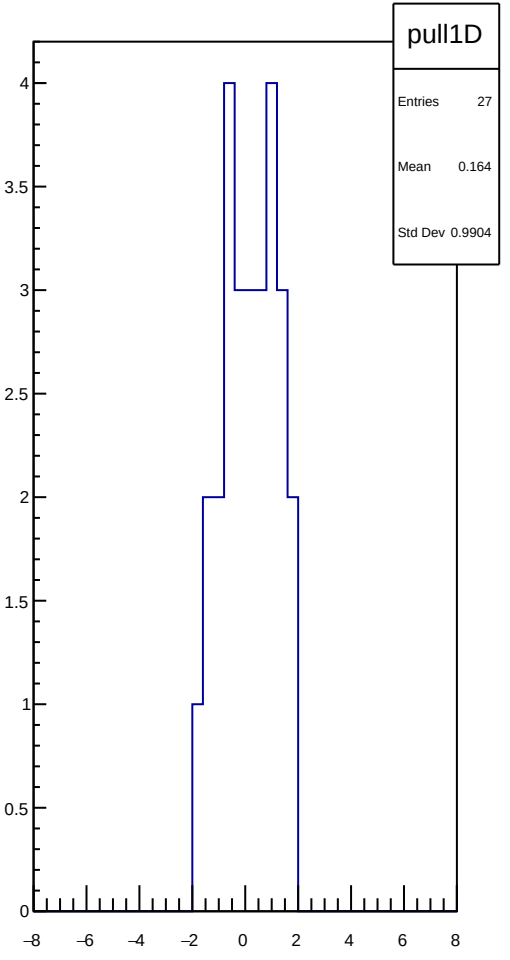

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 21.28 / 26
p0 −0.0185 ± 0.07592
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 25.27
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.09121
Std Dev 0.8831
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

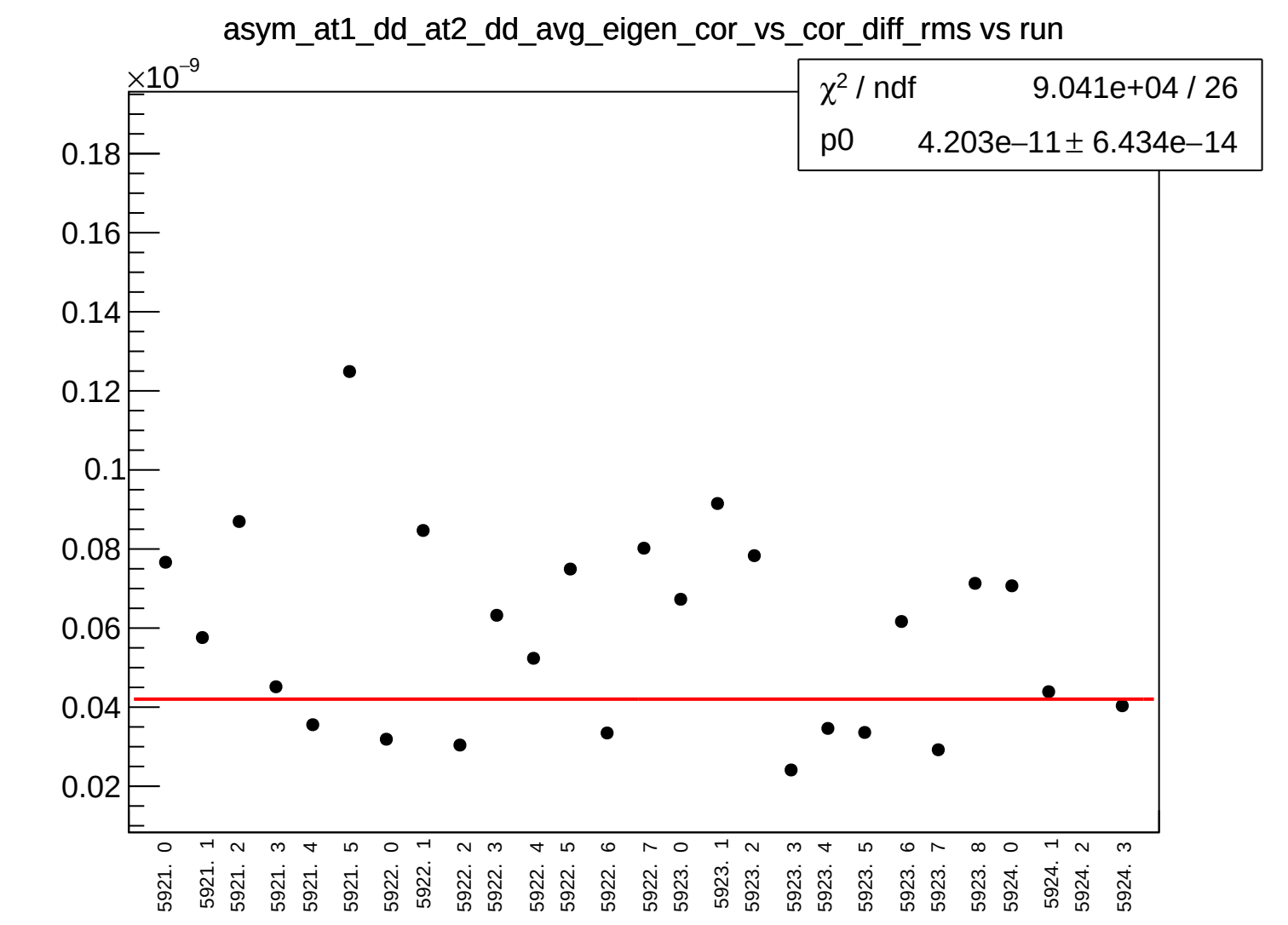

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.087e+04 / 26
p0 36.65 ± 0.05368
80
70
60
50
40
30
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

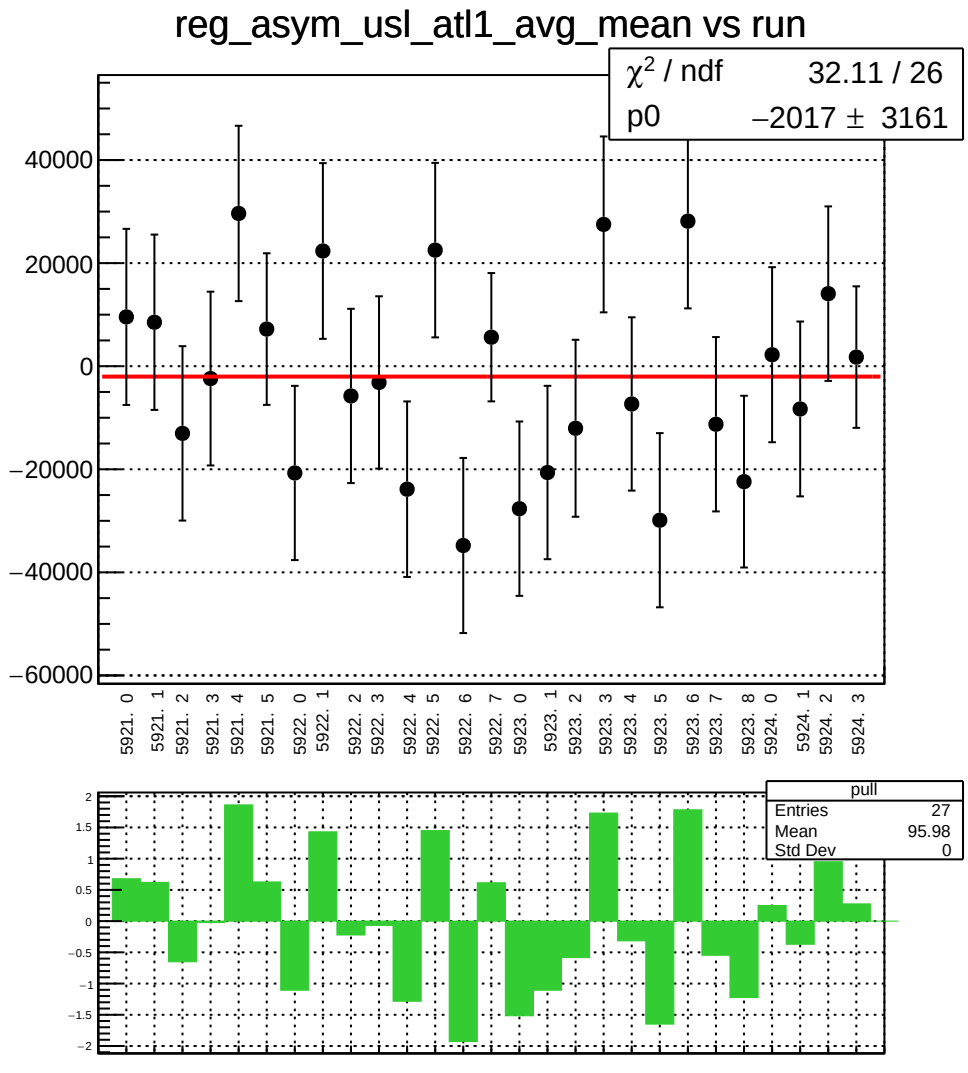

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 21.28 / 26
p0 −0.0185 ± 0.07592
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 25.27
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.09121
Std Dev 0.8831
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

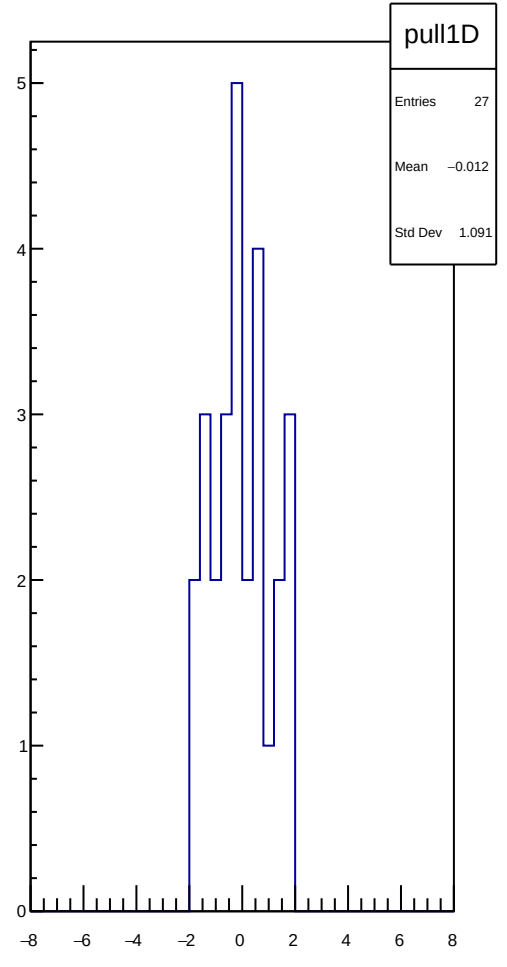

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.087e+04 / 26
p0 36.65 ± 0.05368
80
70
60
50
40
30
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

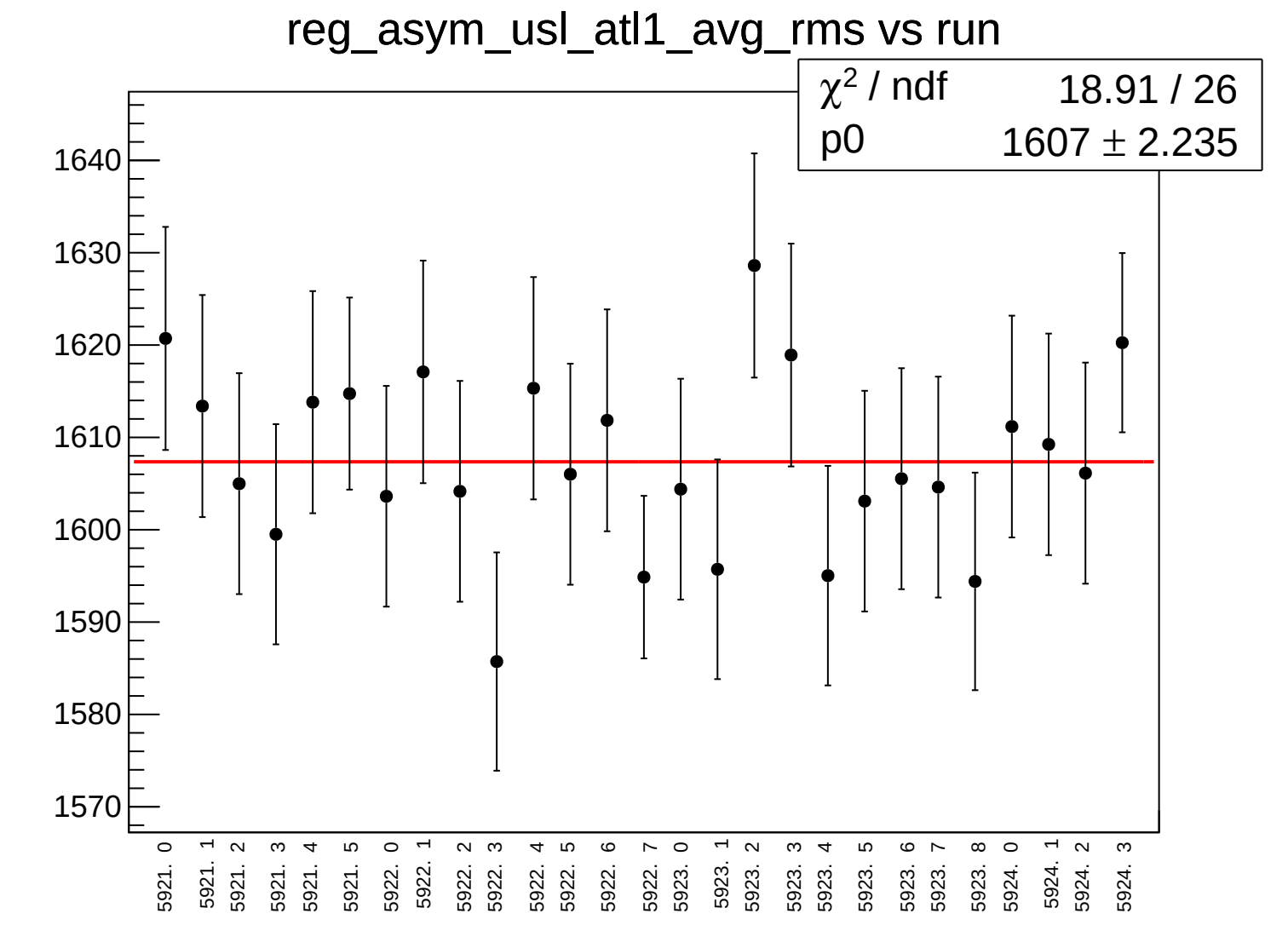

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 27.21 / 26
p0 −2.712e−14 ± 9.099e−14
3
2
1
0
−1
−2
−3
−4
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 14.5
Std Dev 8.855
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

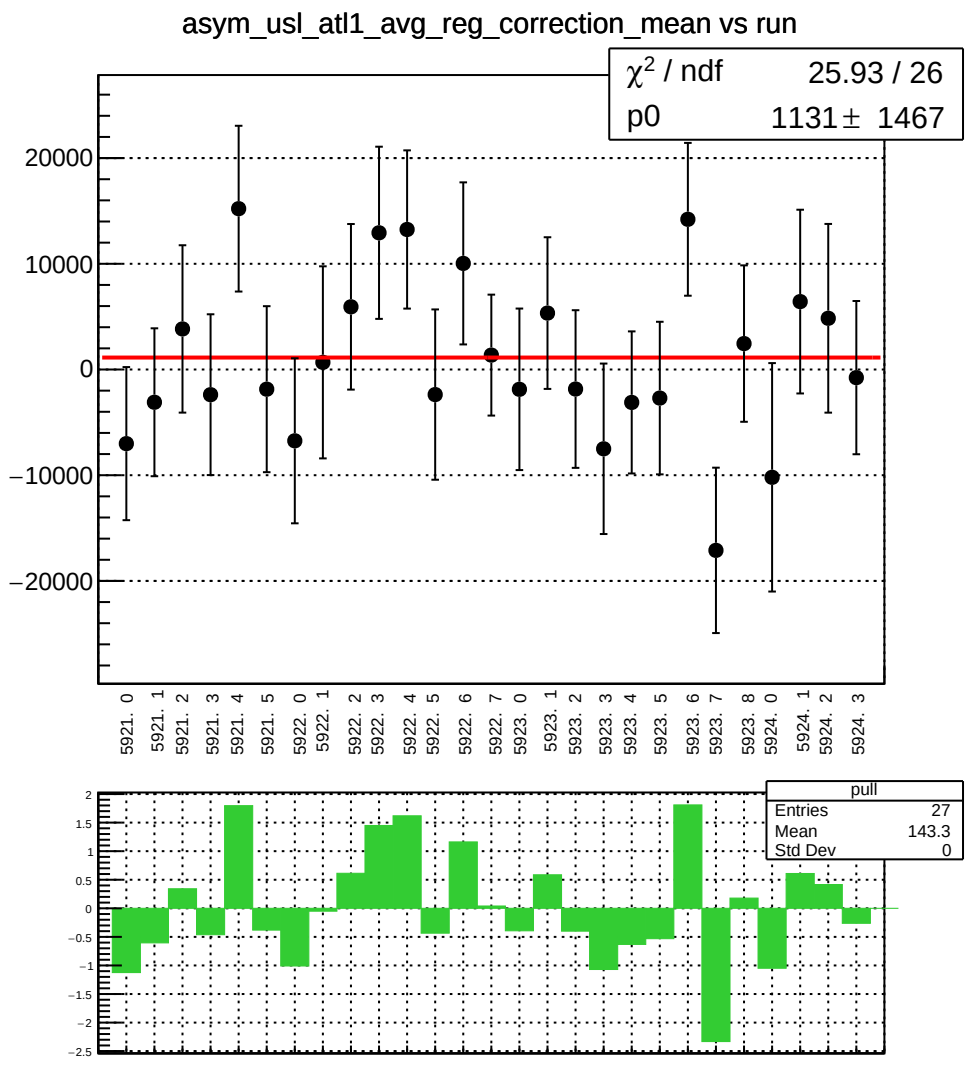

pull1D
Entries 27
Mean 0.164
Std Dev 0.9904
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

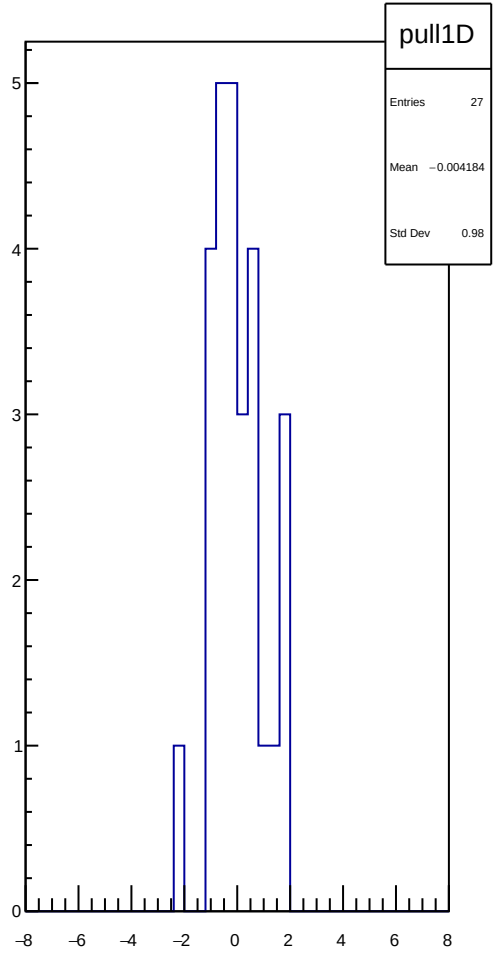

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 9.041e+04 / 26
p0 4.203e−11 ± 6.434e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

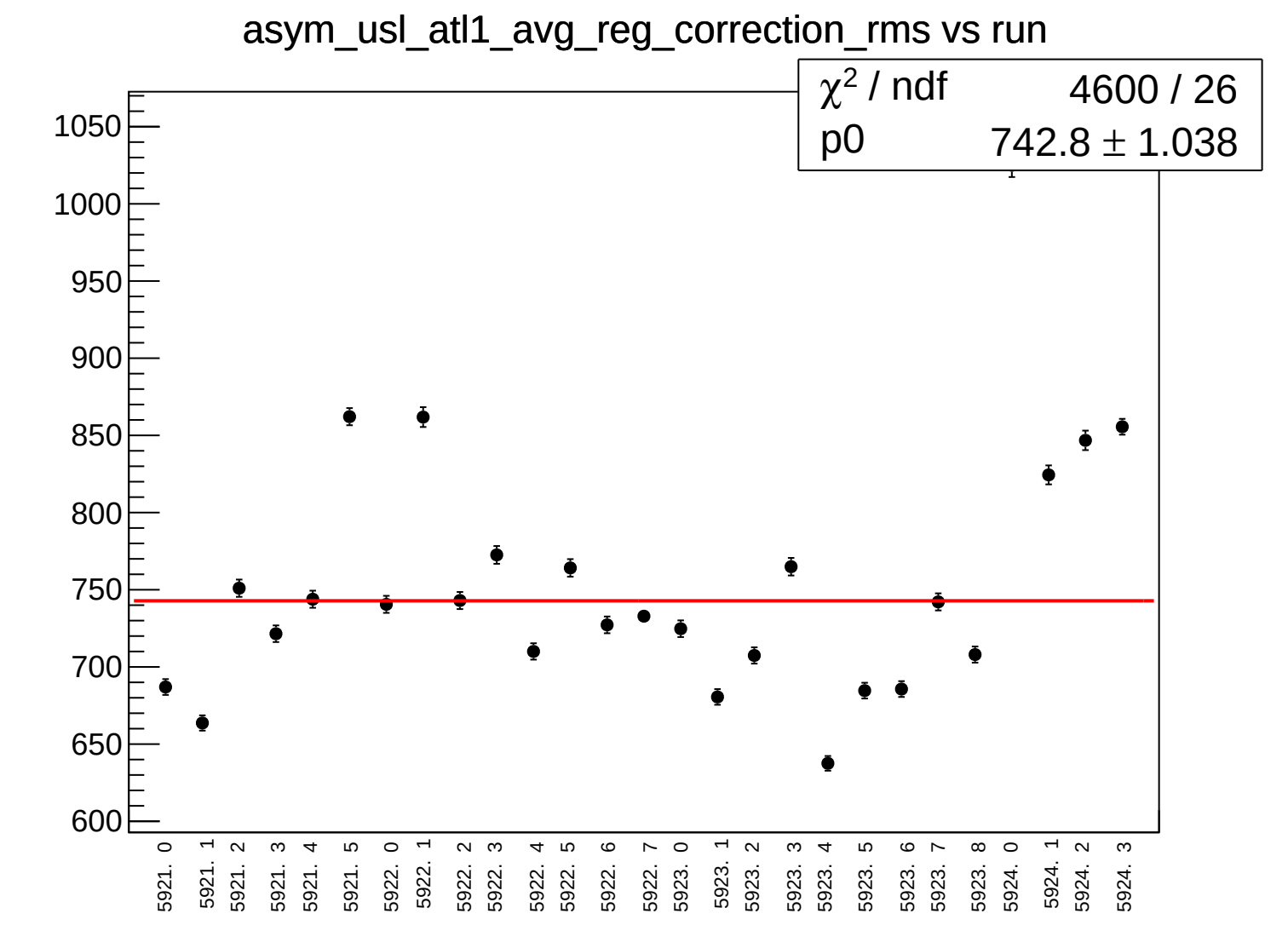

reg_asym_usl_atl1_avg_mean vs run
χ² / ndf 32.11 / 26
p0 −2017 ± 3161
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 95.98
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

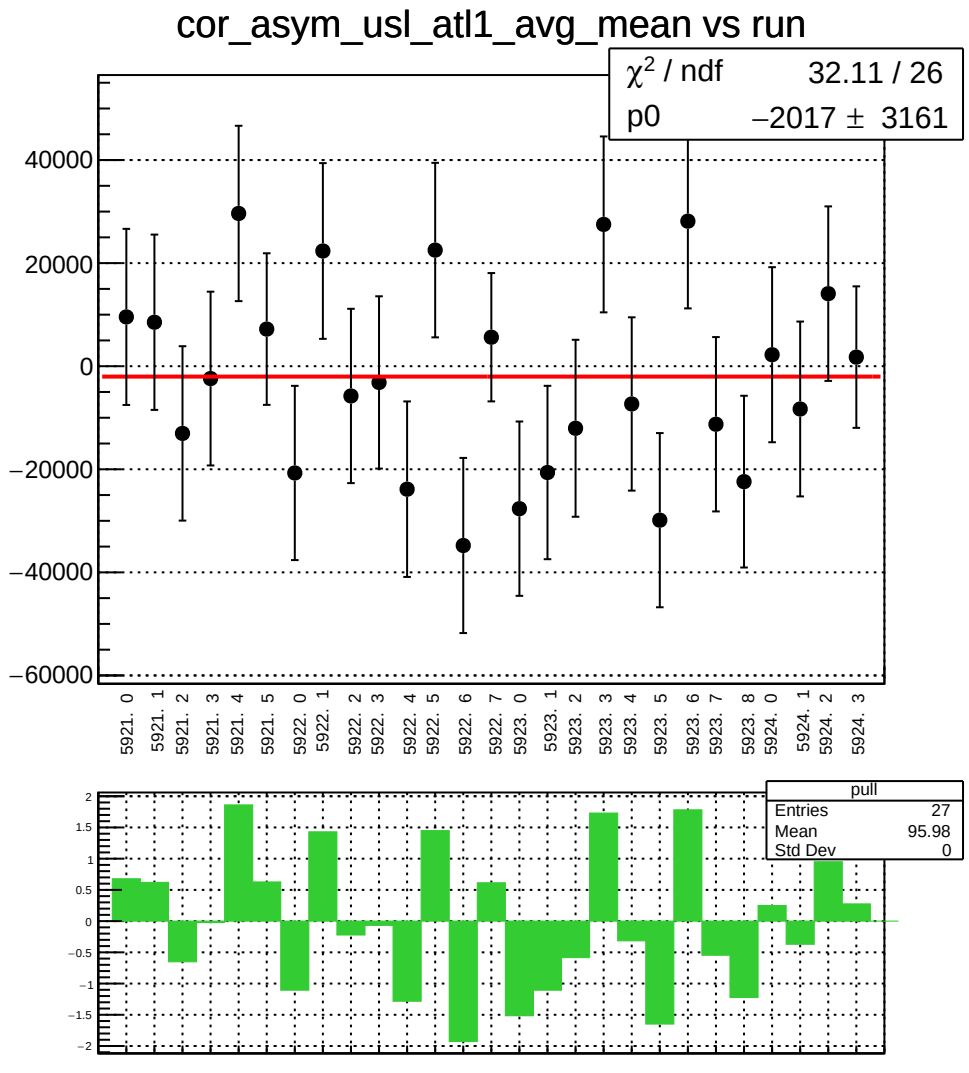

pull1D
Entries 27
Mean −0.012
Std Dev 1.091
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

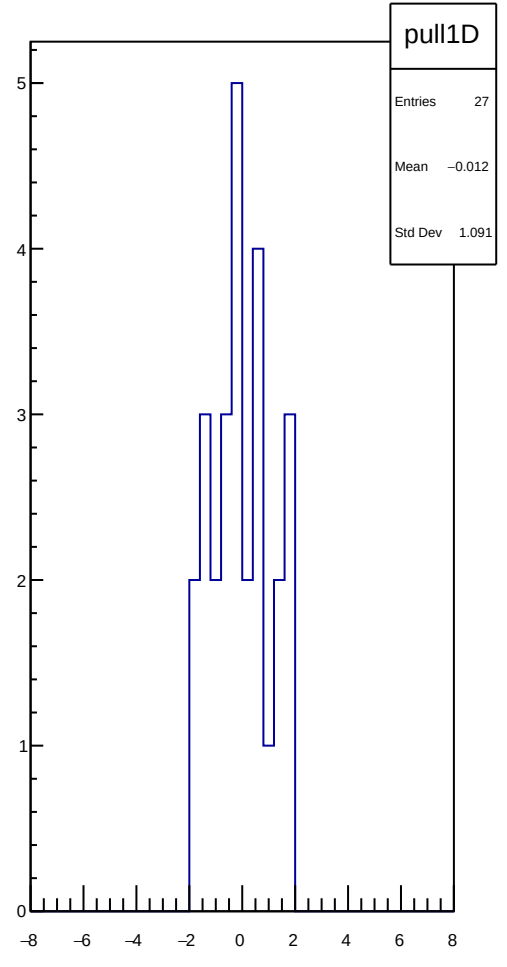

reg_asym_usl_atl1_avg_rms vs run
χ² / ndf 18.91 / 26
p0 1607 ± 2.235
1640
1630
1620
1610
1600
1590
1580
1570
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

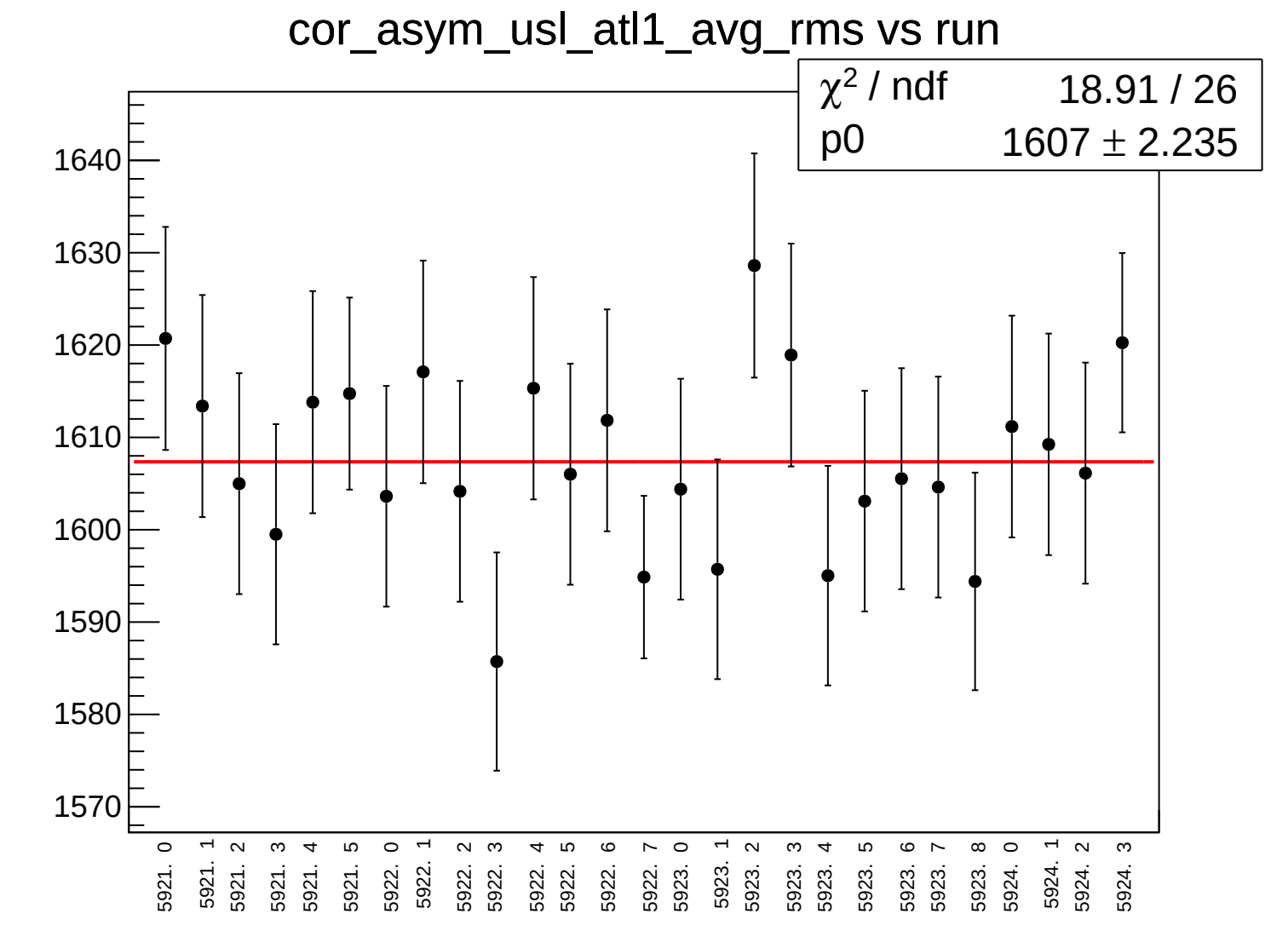

asym_usl_atl1_avg_reg_correction_mean vs run
χ² / ndf 25.93 / 26
p0 1131 ± 1467
20000
10000
0
−10000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 143.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

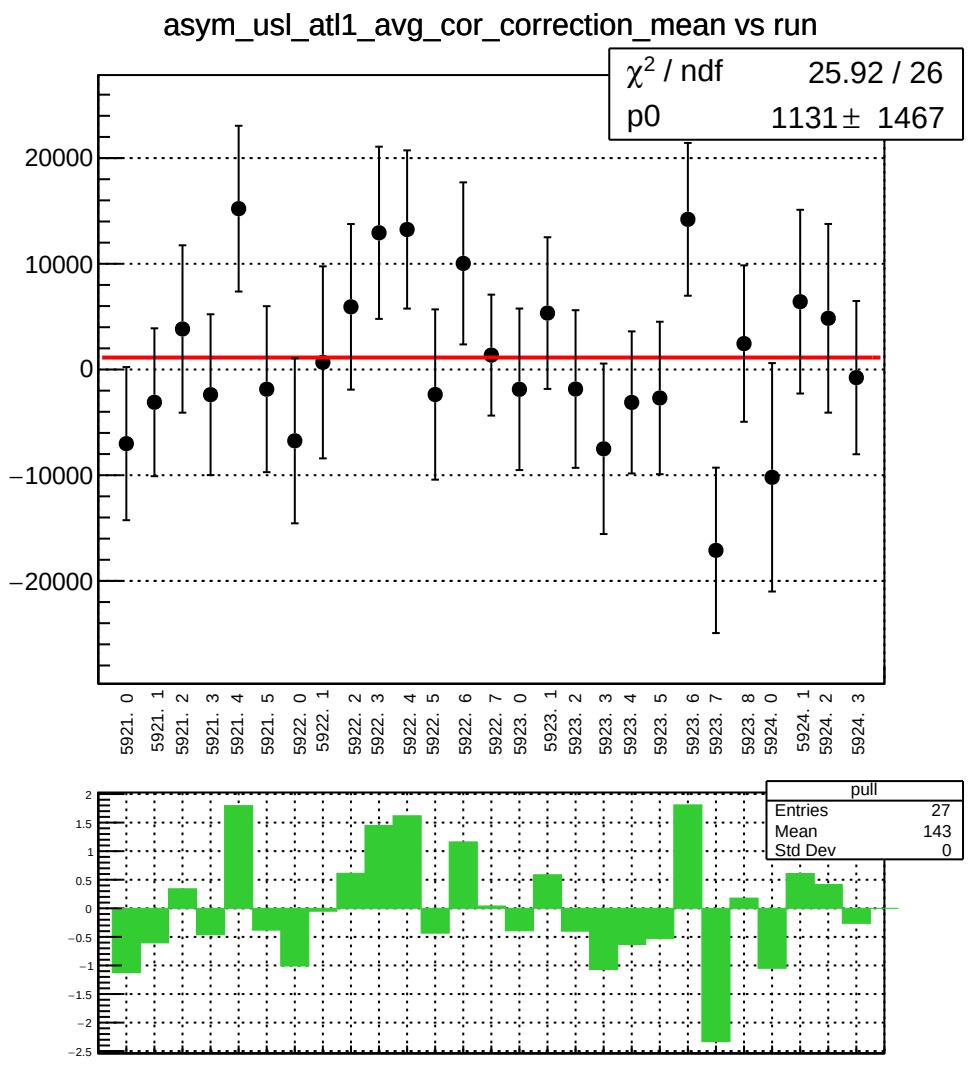

pull1D
Entries 27
Mean −0.004184
Std Dev 0.98
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

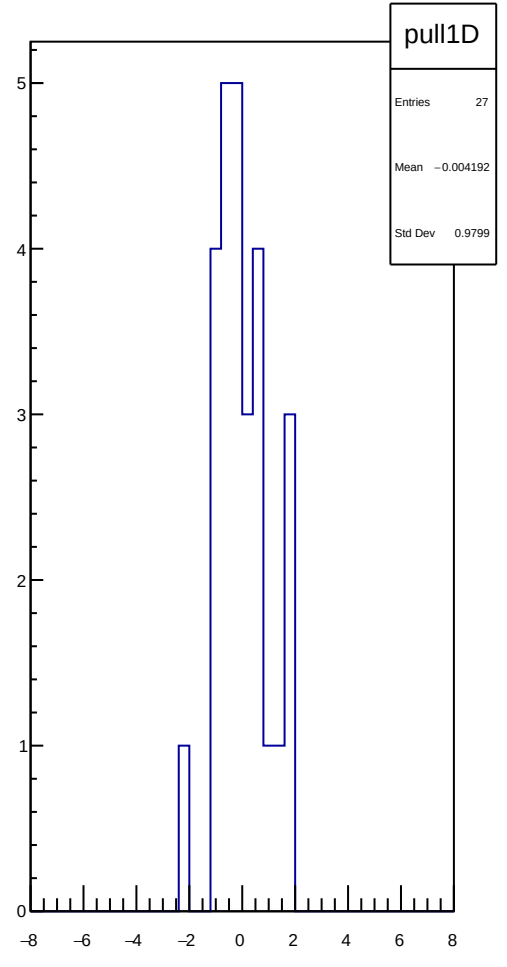

asym_usl_atl1_avg_reg_correction_rms vs run
χ² / ndf 4600 / 26
p0 742.8 ± 1.038
1050
1000
950
900
850
800
750
700
650
600
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

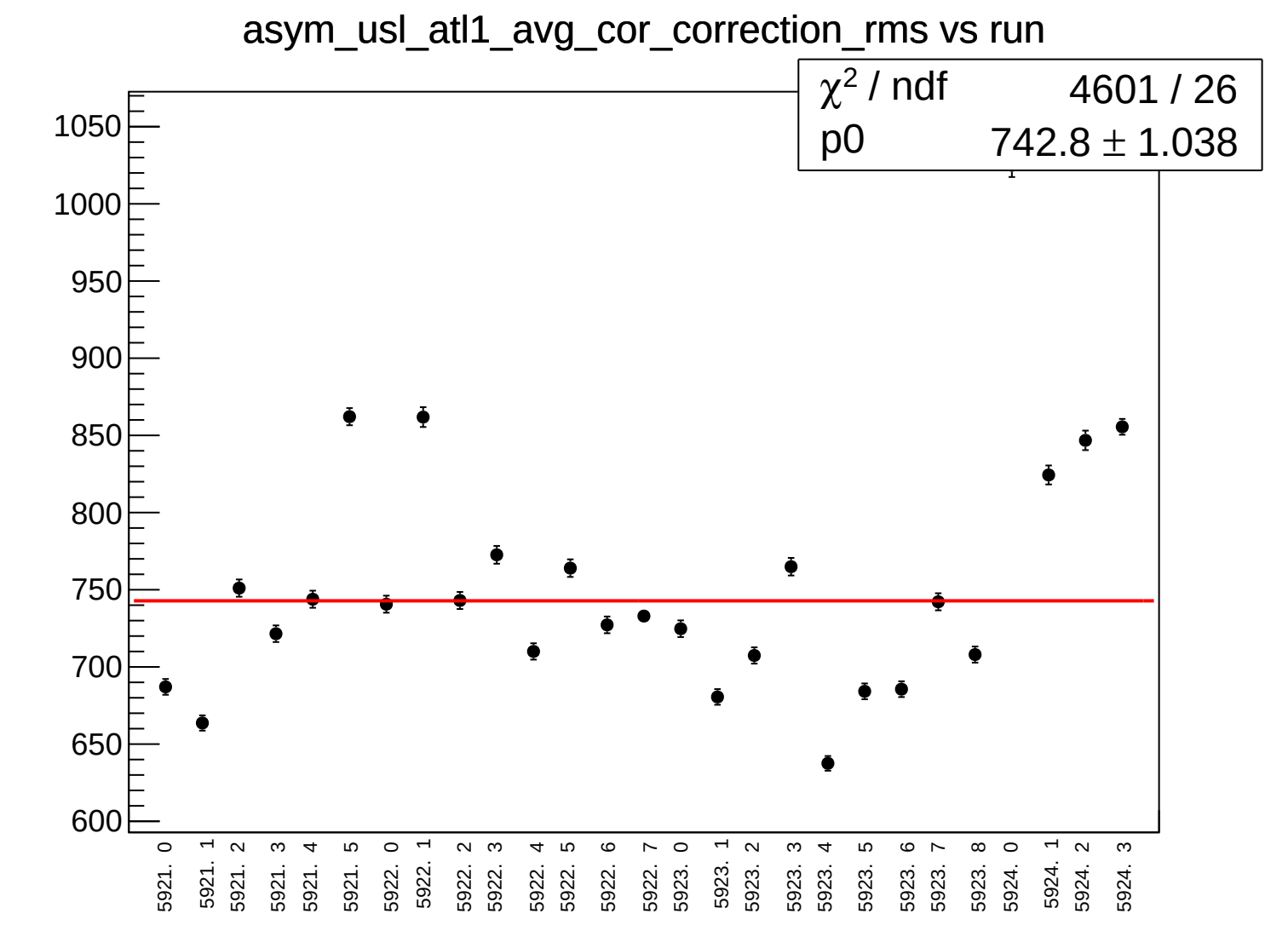

cor_asym_usl_atl1_avg_mean vs run
χ² / ndf 32.11 / 26
p0 −2017 ± 3161
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 95.98
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

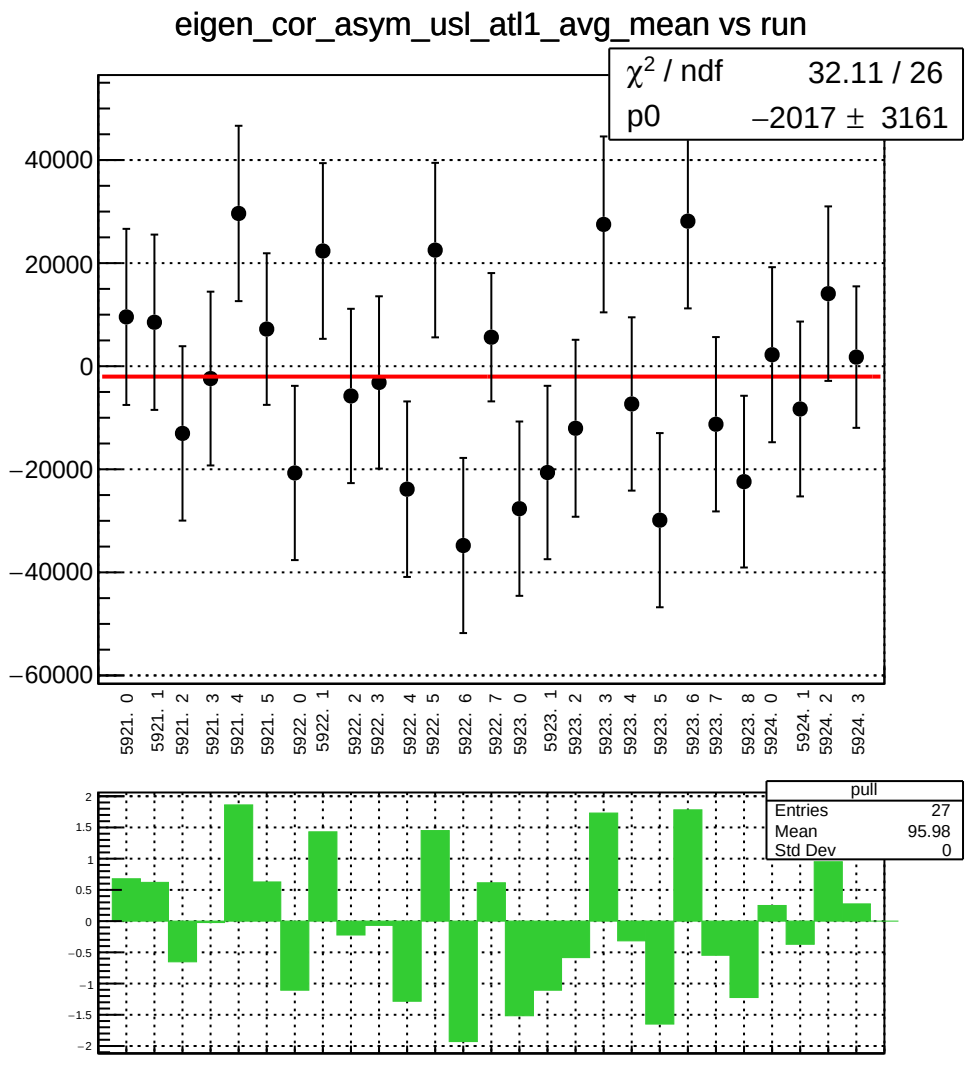

pull1D
Entries 27
Mean −0.012
Std Dev 1.091
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

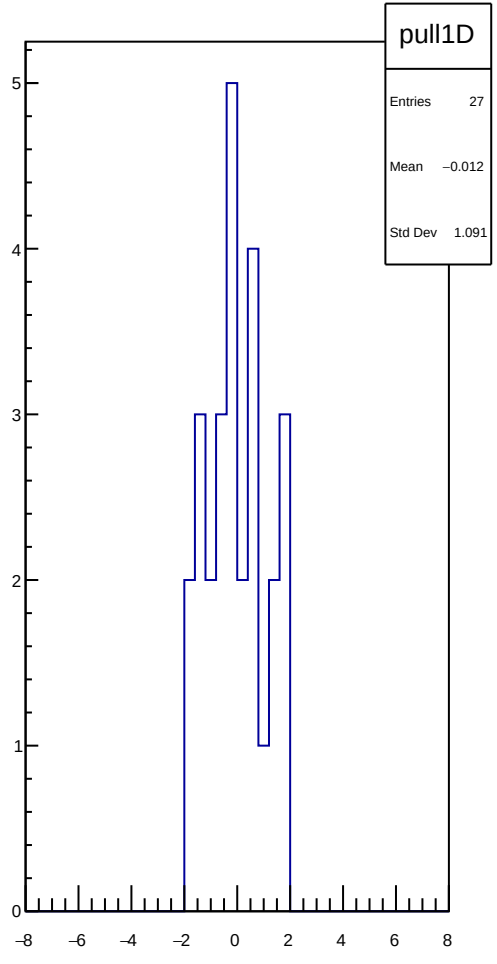

cor_asym_usl_atl1_avg_rms vs run
χ² / ndf 18.91 / 26
p0 1607 ± 2.235
1640
1630
1620
1610
1600
1590
1580
1570
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

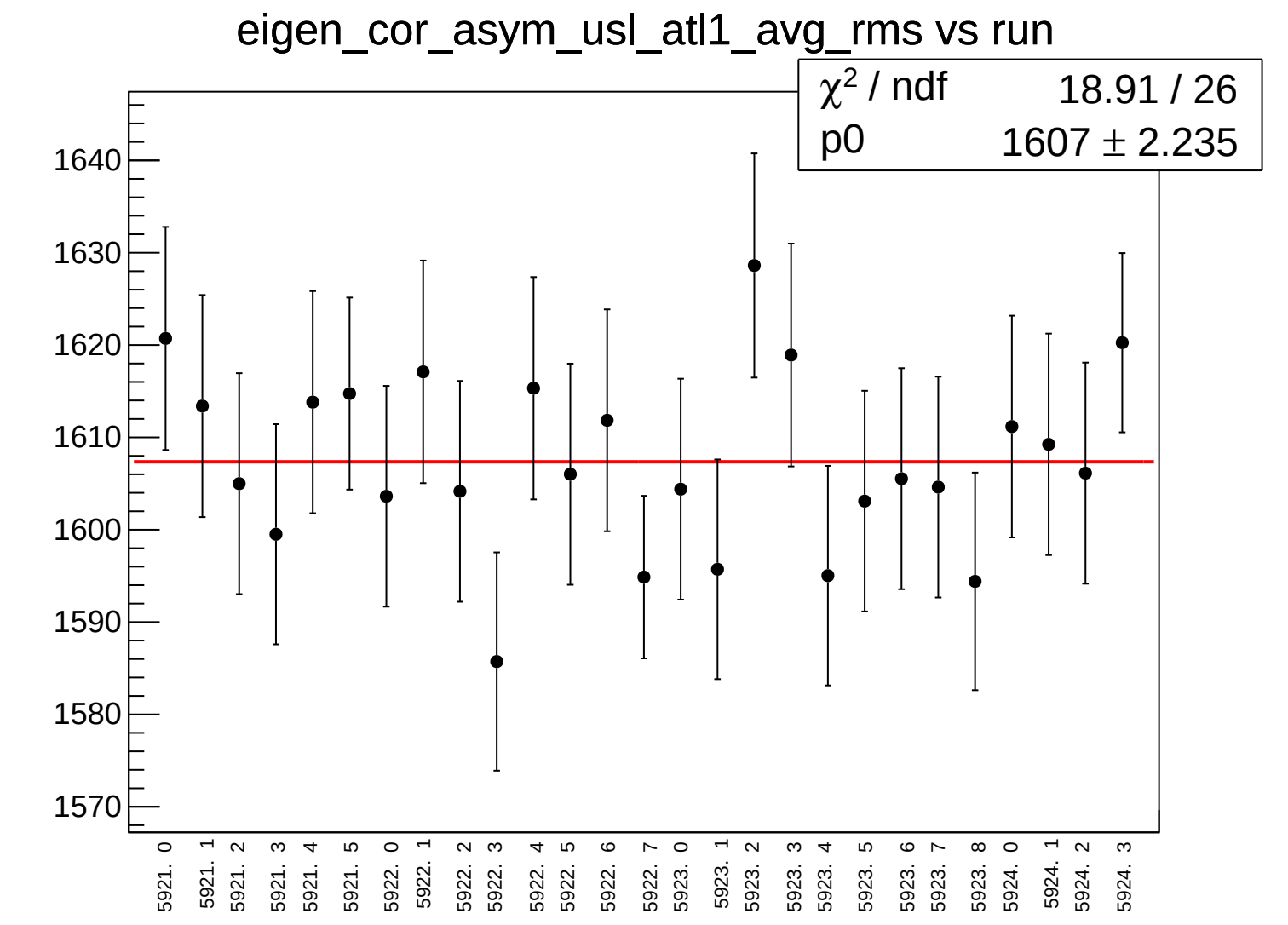

asym_usl_atl1_avg_cor_correction_mean vs run
χ² / ndf 25.92 / 26
p0 1131 ± 1467
20000
10000
0
−10000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 143
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

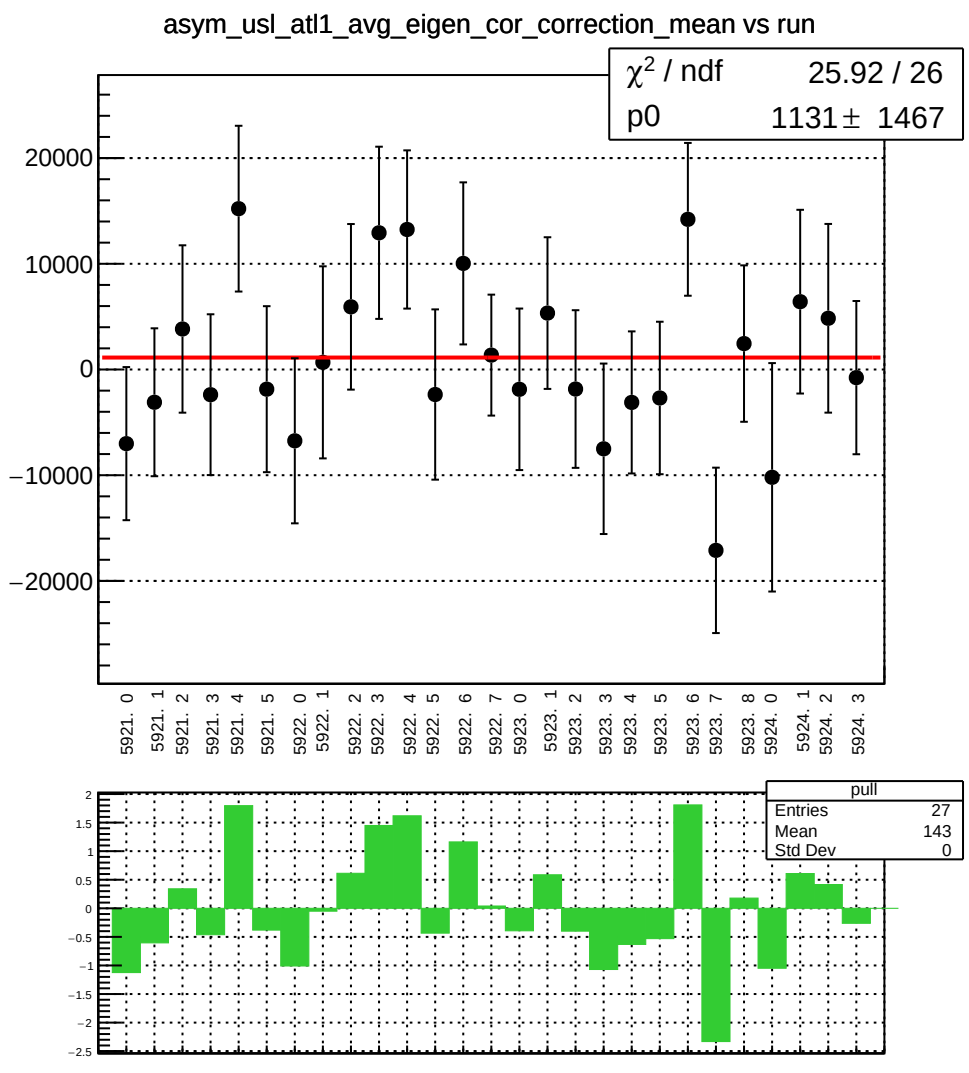

pull1D
Entries 27
Mean −0.004192
Std Dev 0.9799
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

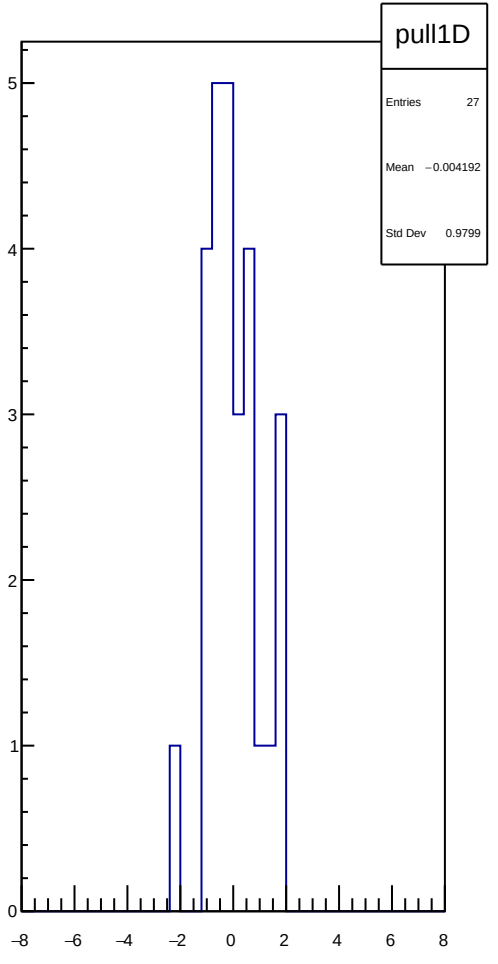

asym_usl_atl1_avg_cor_correction_rms vs run
χ² / ndf 4601 / 26
p0 742.8 ± 1.038
1050
1000
950
900
850
800
750
700
650
600
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

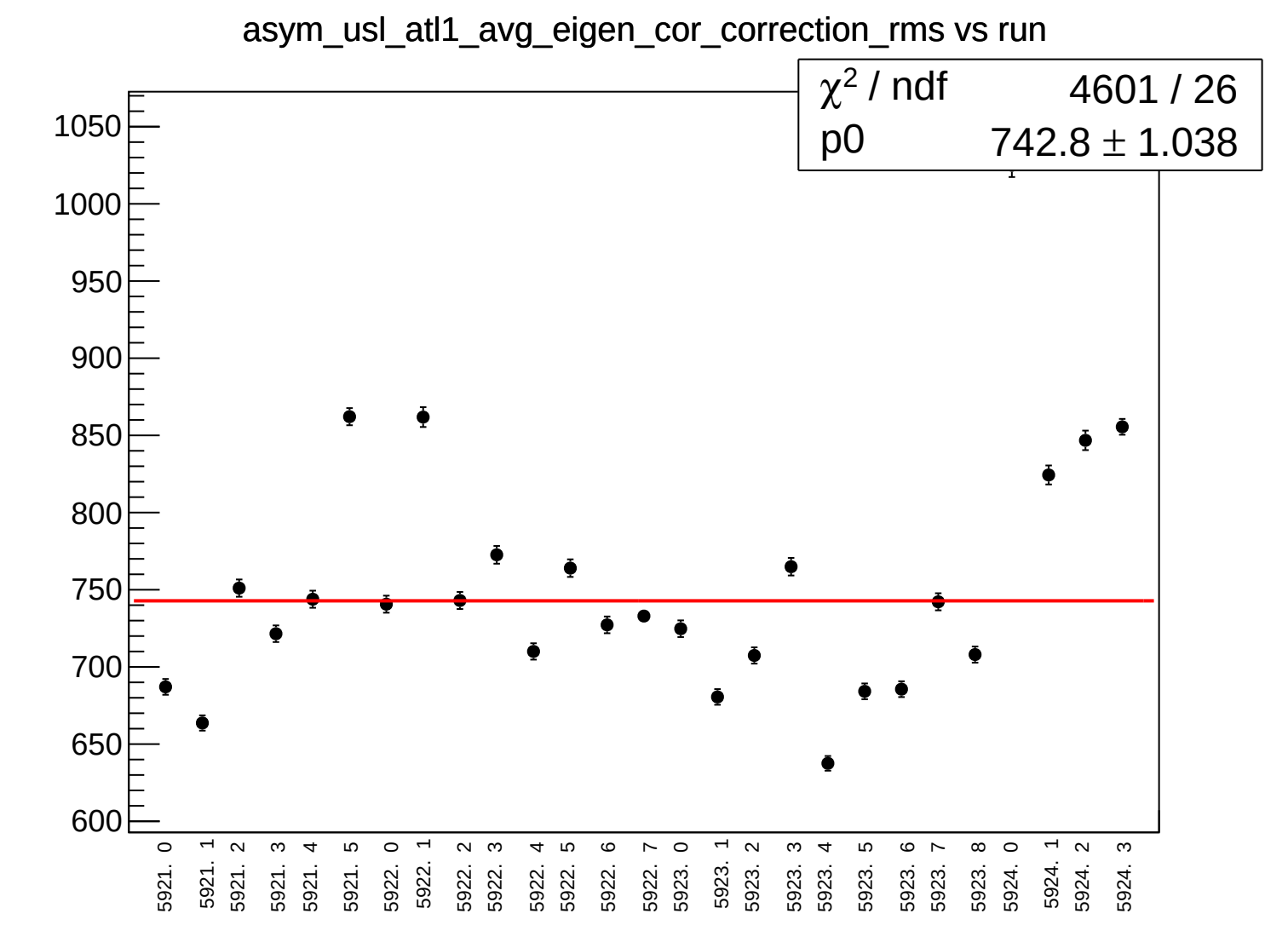

eigen_cor_asym_usl_atl1_avg_mean vs run
χ² / ndf 32.11 / 26
p0 −2017 ± 3161
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 95.98
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

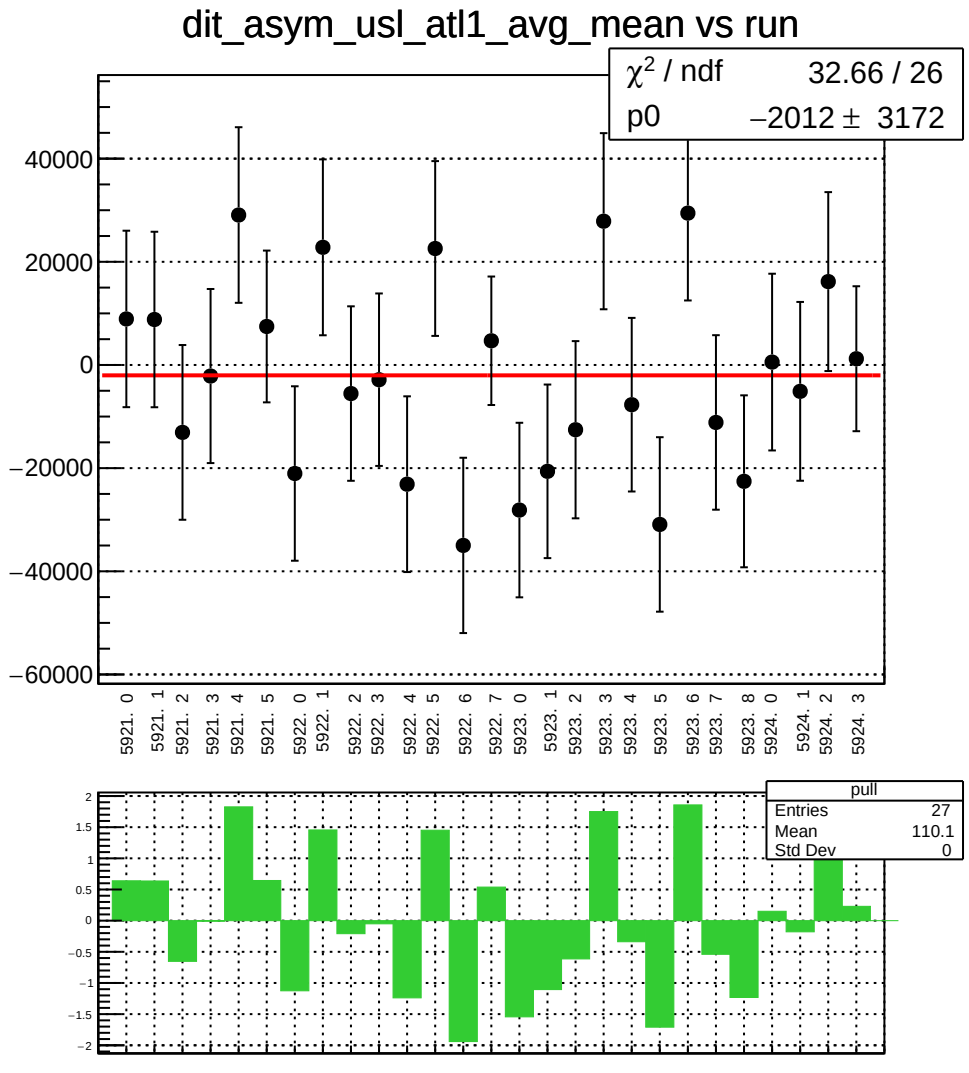

pull1D
Entries 27
Mean −0.012
Std Dev 1.091
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

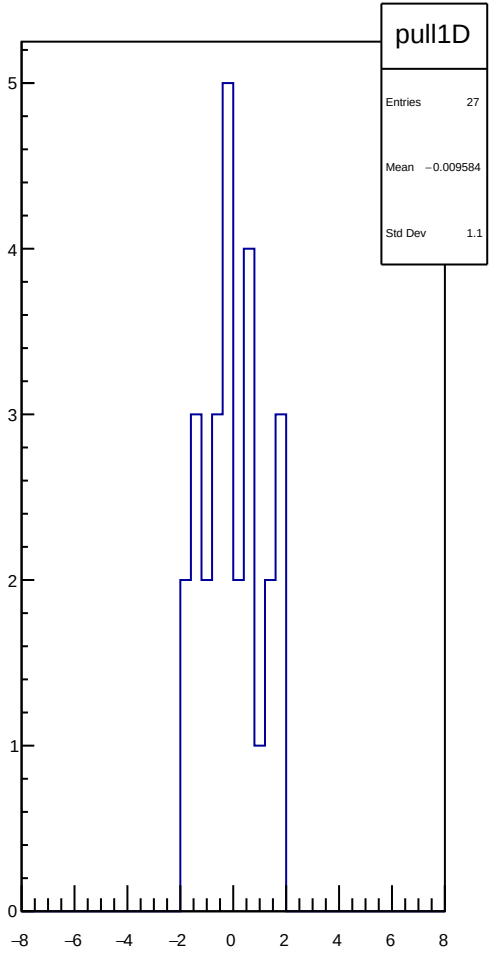

eigen_cor_asym_usl_atl1_avg_rms vs run
χ² / ndf 18.91 / 26
p0 1607 ± 2.235
1640
1630
1620
1610
1600
1590
1580
1570
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

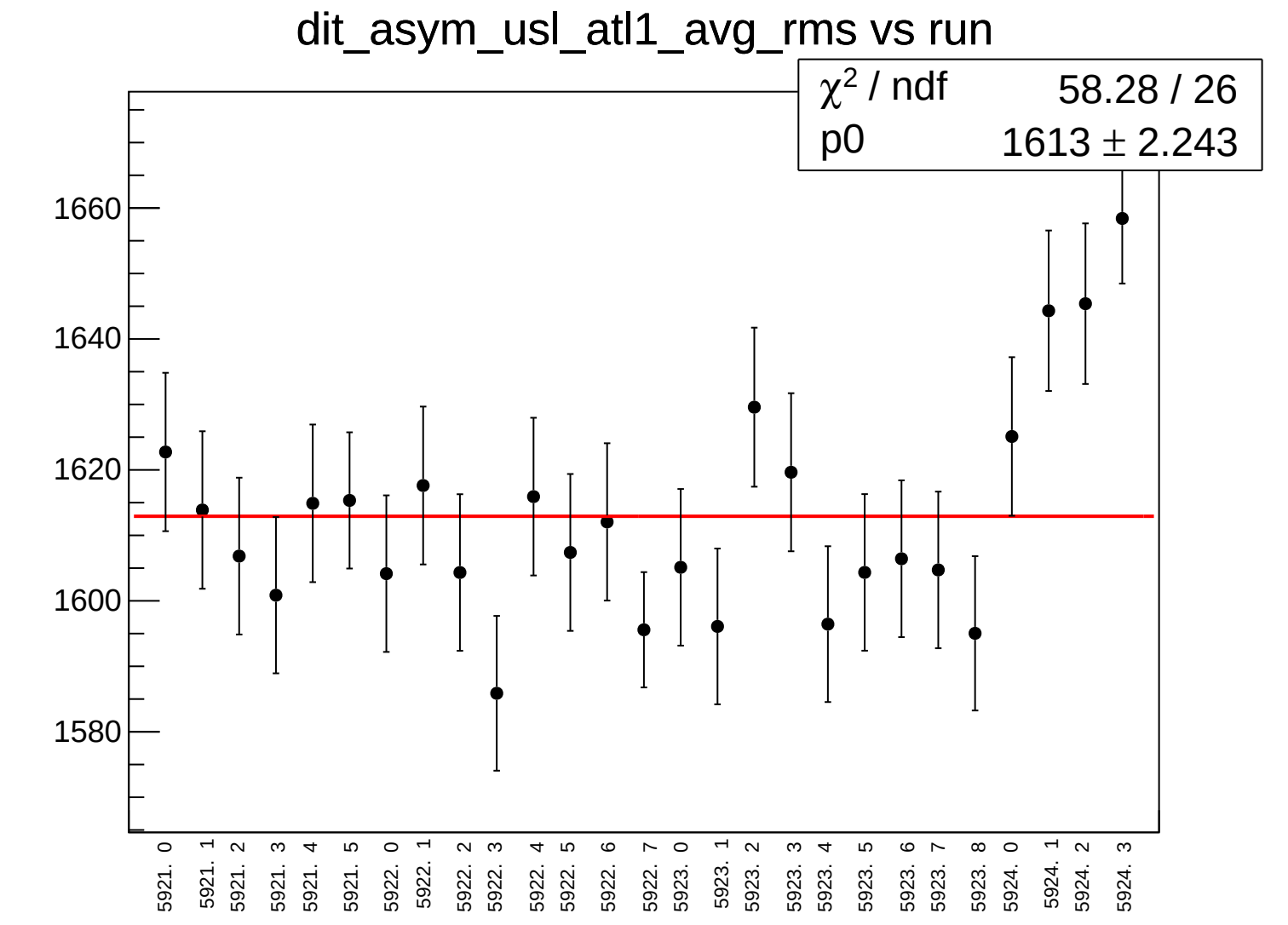

asym_usl_atl1_avg_eigen_cor_correction_mean vs run
χ² / ndf 25.92 / 26
p0 1131 ± 1467
20000
10000
0
−10000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 143
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

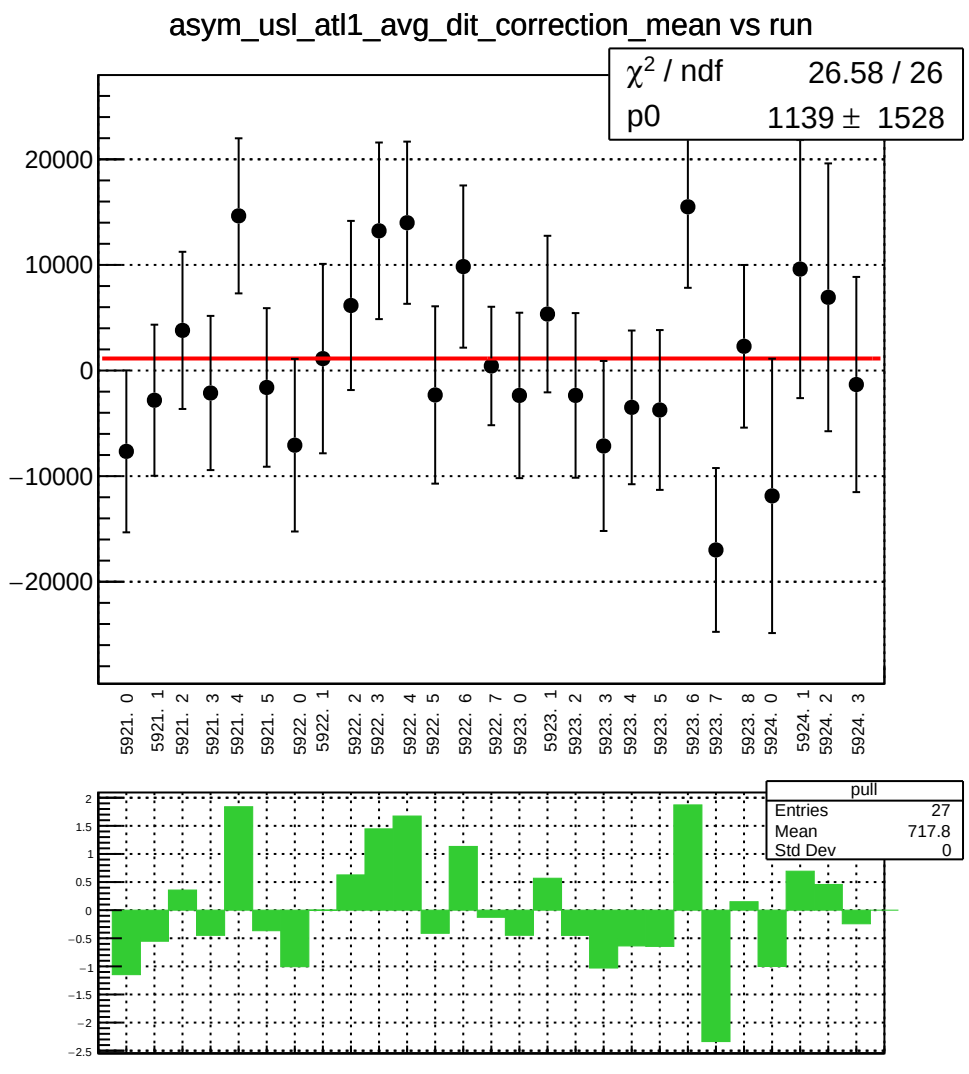

pull1D
Entries 27
Mean −0.004192
Std Dev 0.9799
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

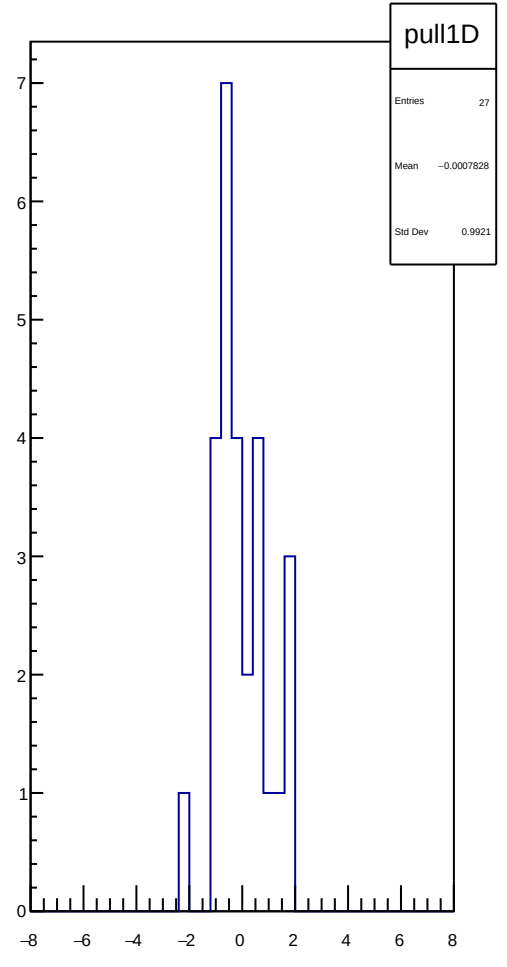

asym_usl_atl1_avg_eigen_cor_correction_rms vs run
χ² / ndf 4601 / 26
p0 742.8 ± 1.038
1050
1000
950
900
850
800
750
700
650
600
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

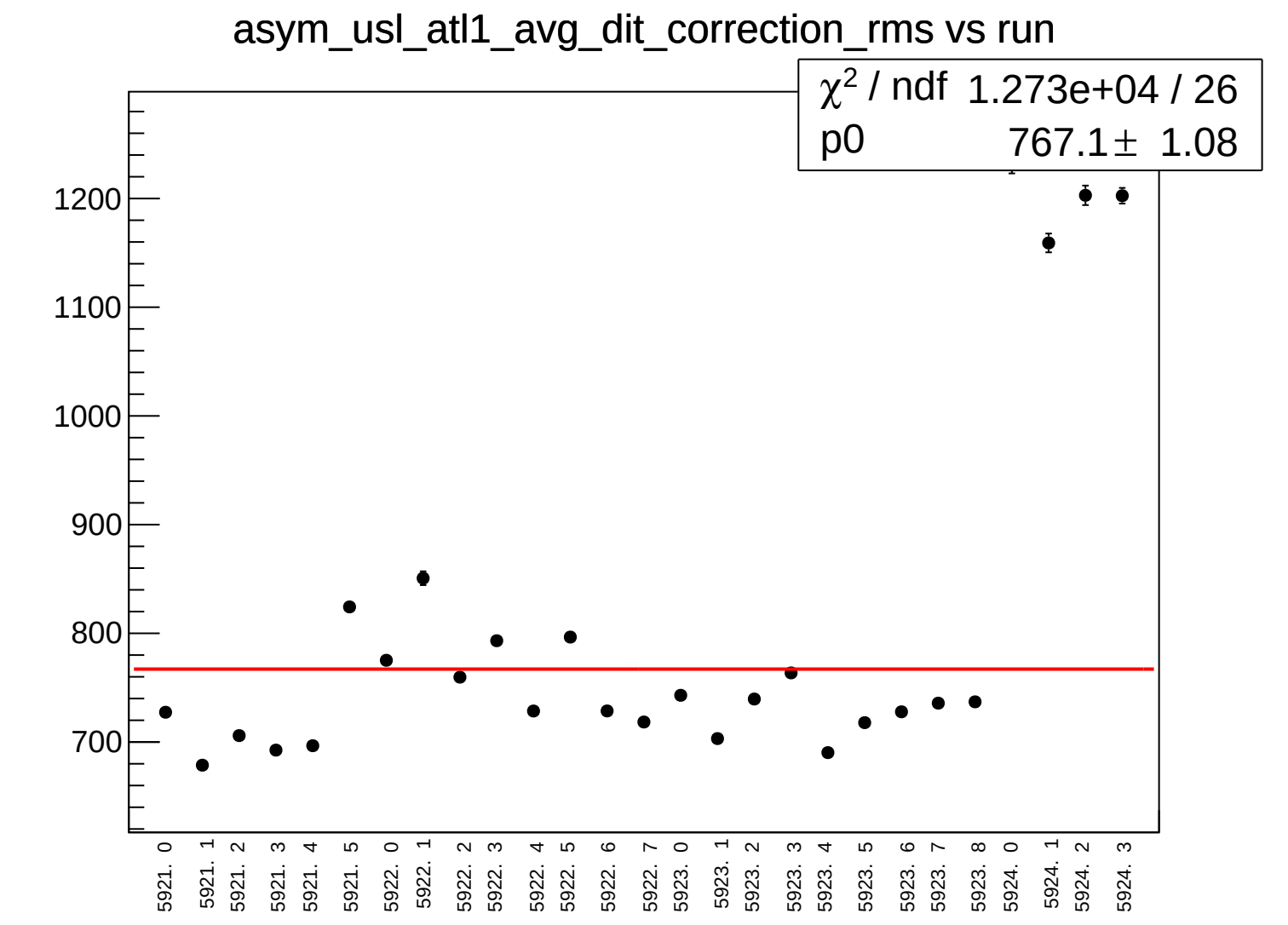

dit_asym_usl_atl1_avg_mean vs run
χ² / ndf 32.66 / 26
p0 −2012 ± 3172
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 110.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

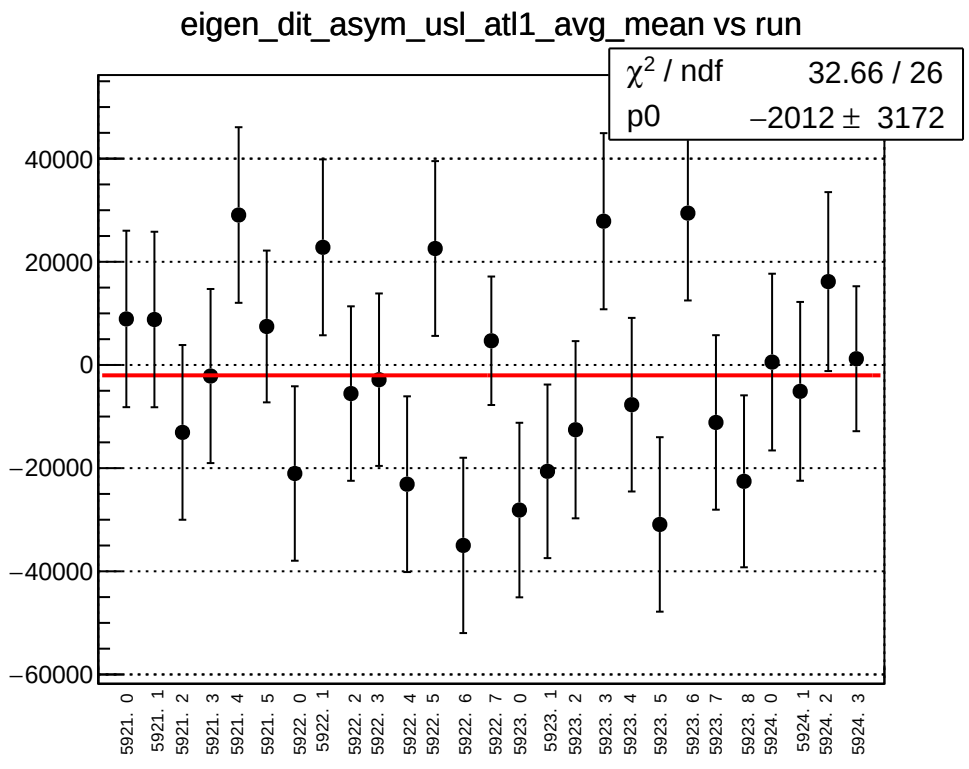

pull1D
Entries 27
Mean −0.009584
Std Dev 1.1
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

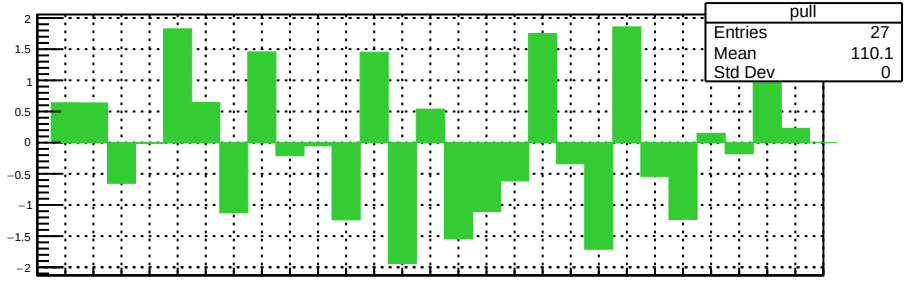

dit_asym_usl_atl1_avg_rms vs run
χ² / ndf 58.28 / 26
p0 1613 ± 2.243
1660
1640
1620
1600
1580
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

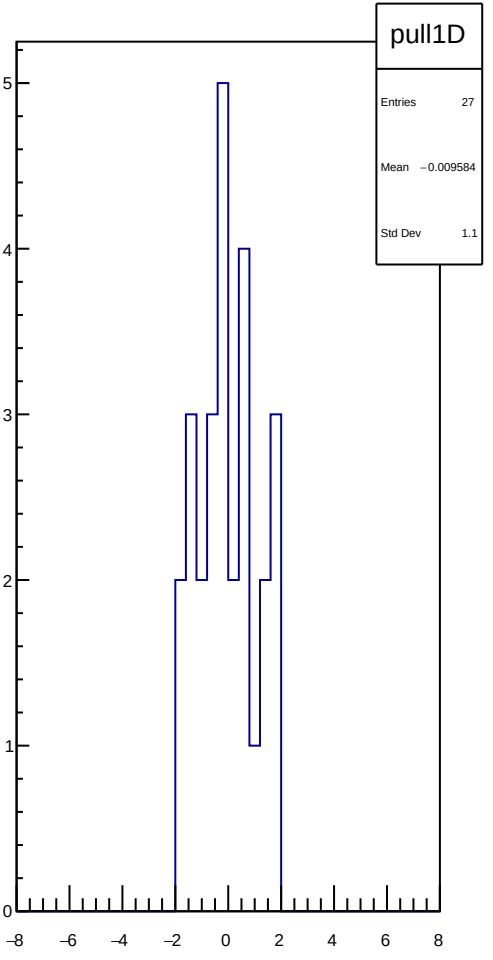

asym_usl_atl1_avg_dit_correction_mean vs run
χ² / ndf 26.58 / 26
p0 1139 ± 1528
20000
10000
0
−10000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 717.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

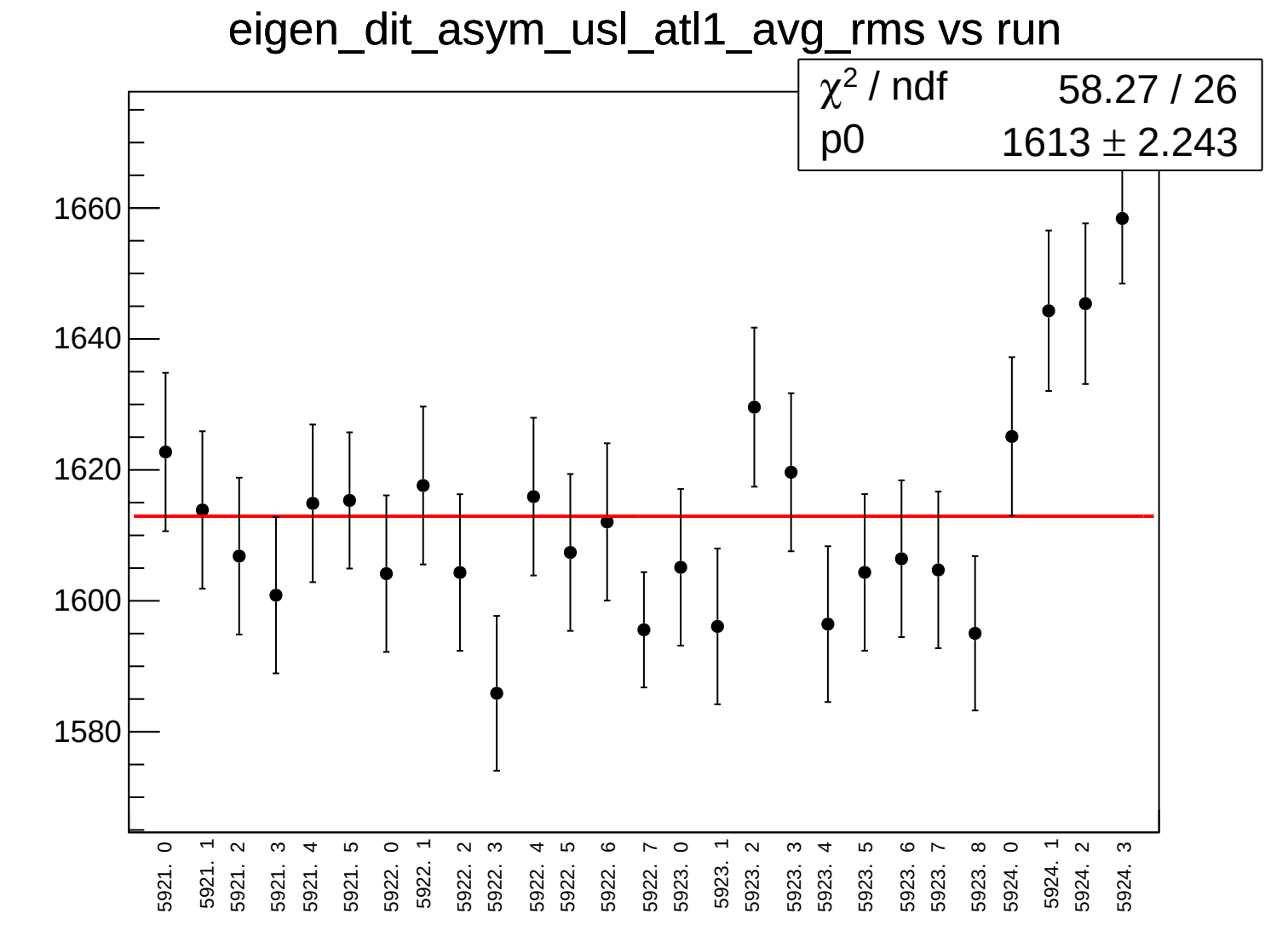

pull1D
Entries 27
Mean −0.0007828
Std Dev 0.9921
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

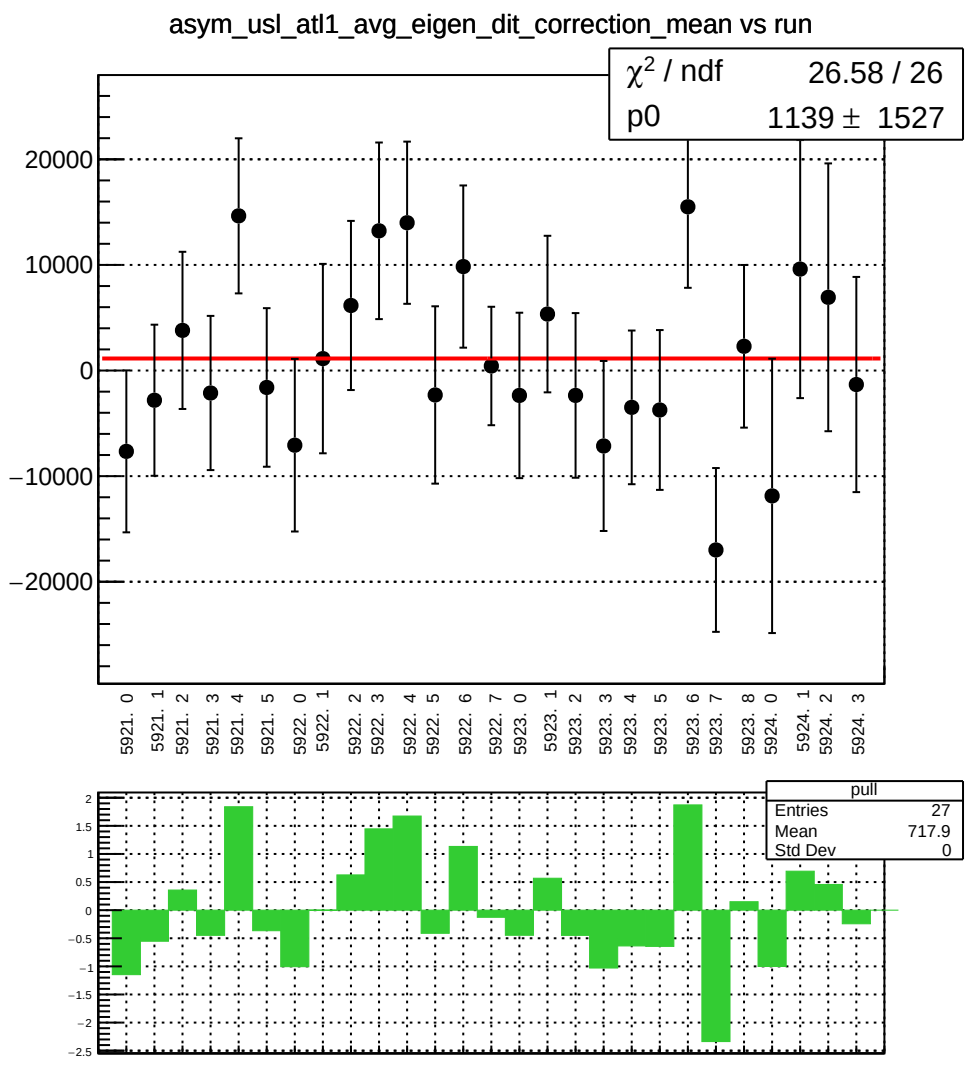

asym_usl_atl1_avg_dit_correction_rms vs run
χ² / ndf 1.273e+04 / 26
p0 767.1 ± 1.08
1200
1100
1000
900
800
700
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

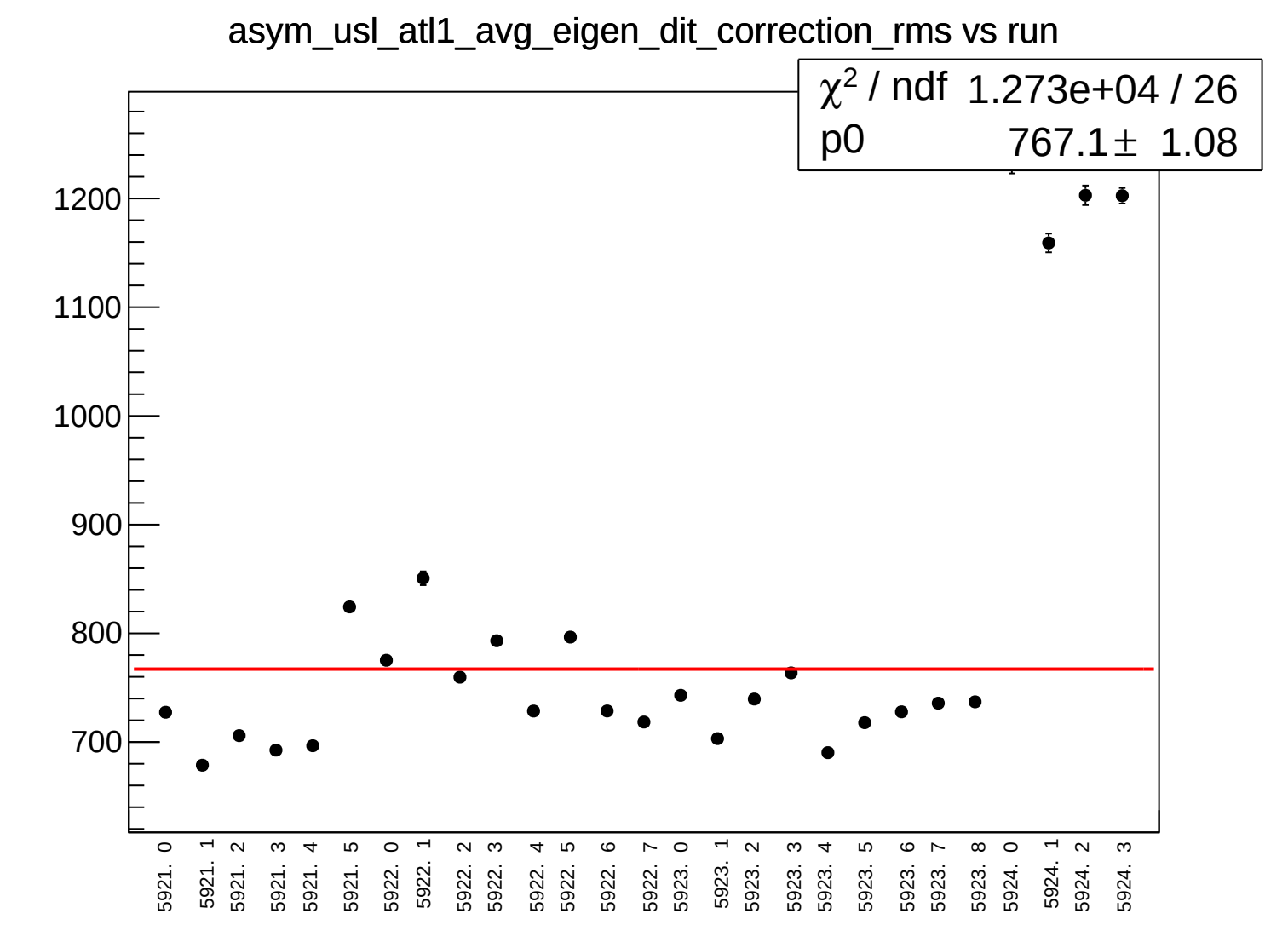

eigen_dit_asym_usl_atl1_avg_mean vs run
χ² / ndf 32.66 / 26
p0 −2012 ± 3172
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

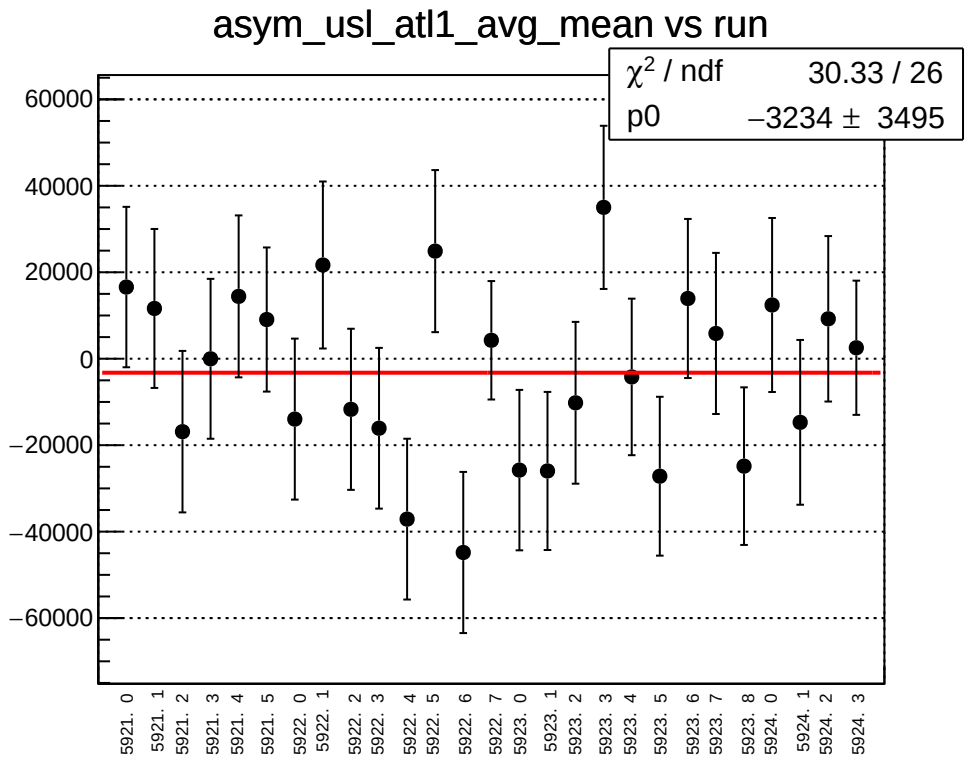

pull
Entries 27
Mean 110.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

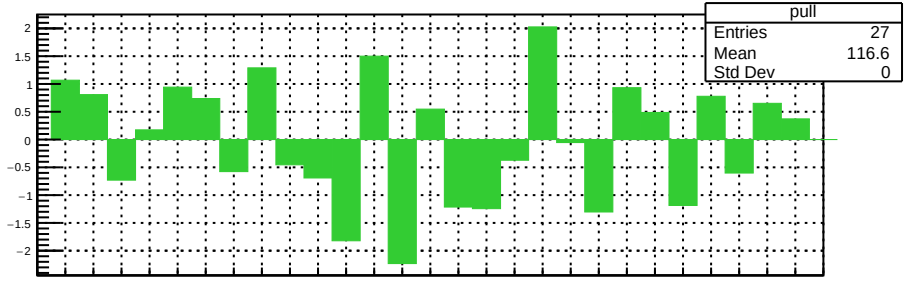

pull1D
Entries 27
Mean −0.009584
Std Dev 1.1
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

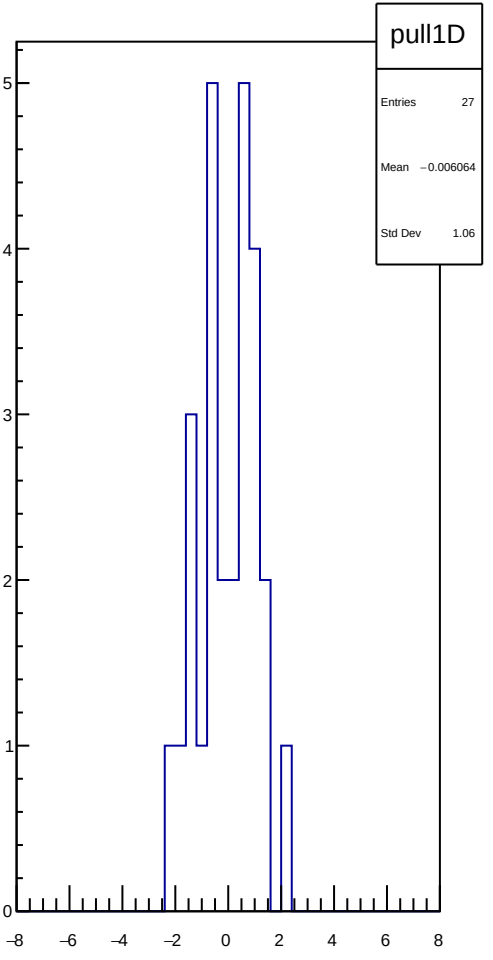

eigen_dit_asym_usl_atl1_avg_rms vs run
χ² / ndf 58.27 / 26
p0 1613 ± 2.243
1660
1640
1620
1600
1580
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

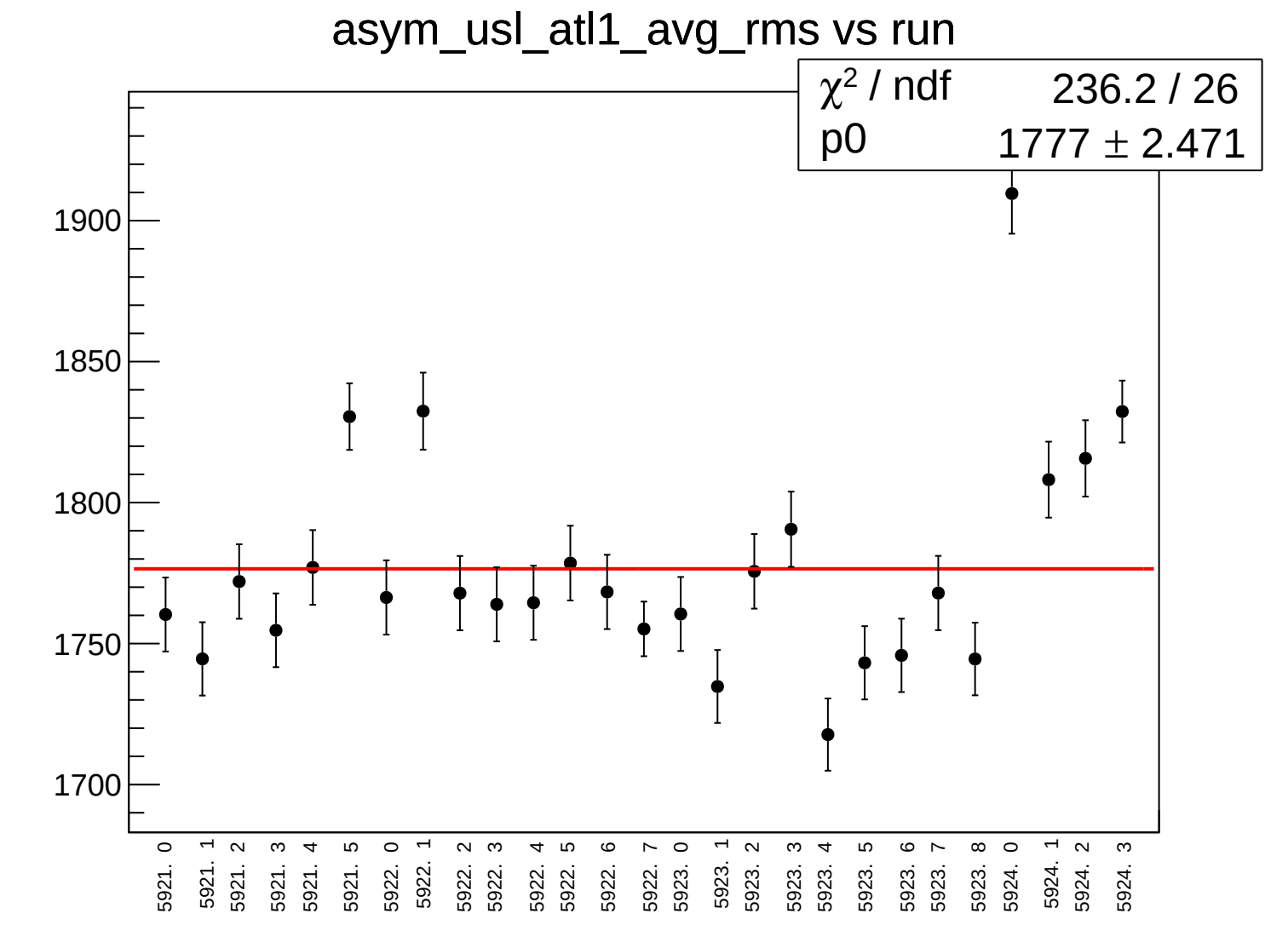

asym_usl_atl1_avg_eigen_dit_correction_mean vs run
χ² / ndf 26.58 / 26
p0 1139 ± 1527
20000
10000
0
−10000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 717.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean −0.0007828
Std Dev 0.9921
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

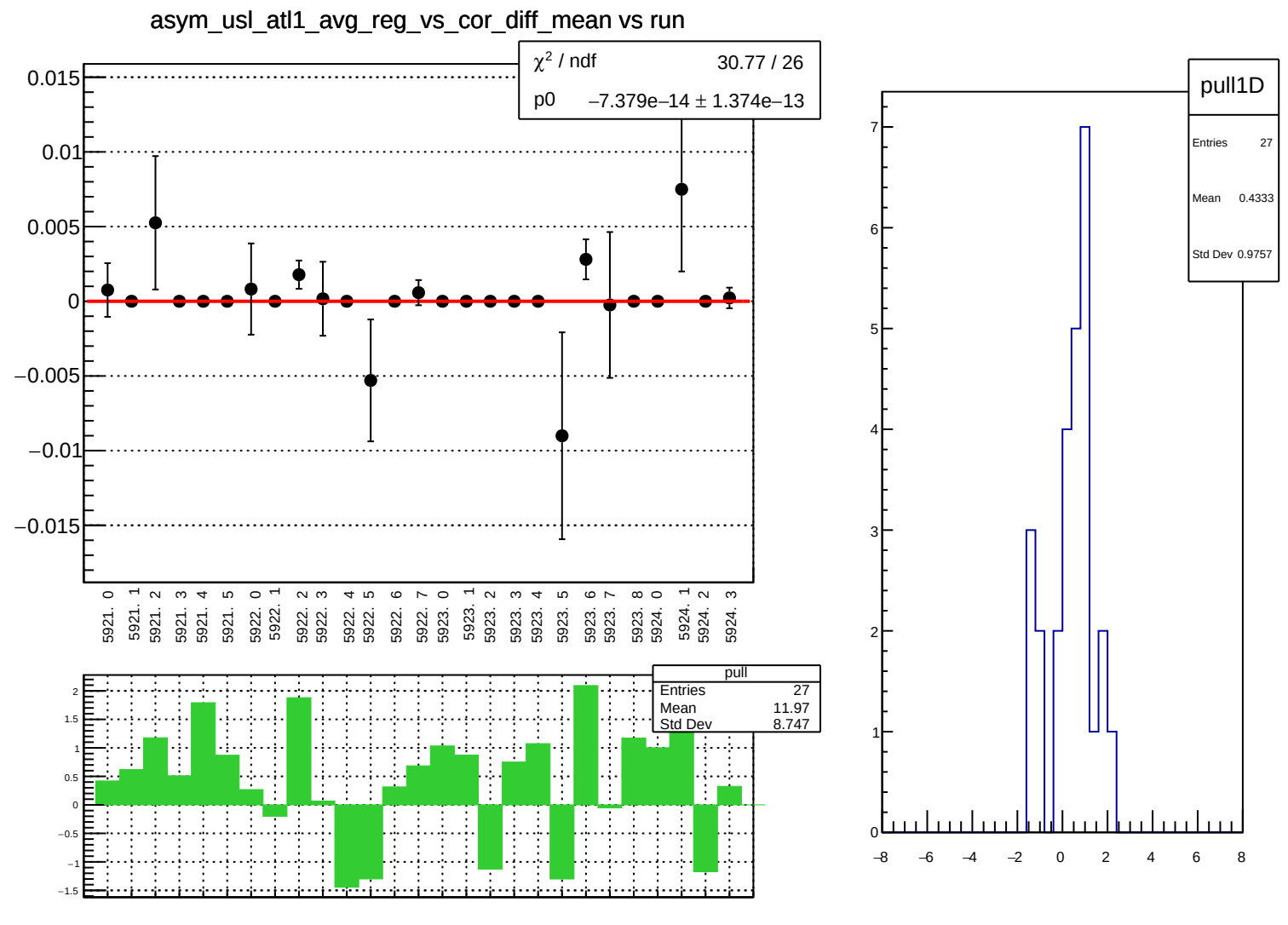

asym_usl_atl1_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.273e+04 / 26
p0 767.1 ± 1.08
1200
1100
1000
900
800
700
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

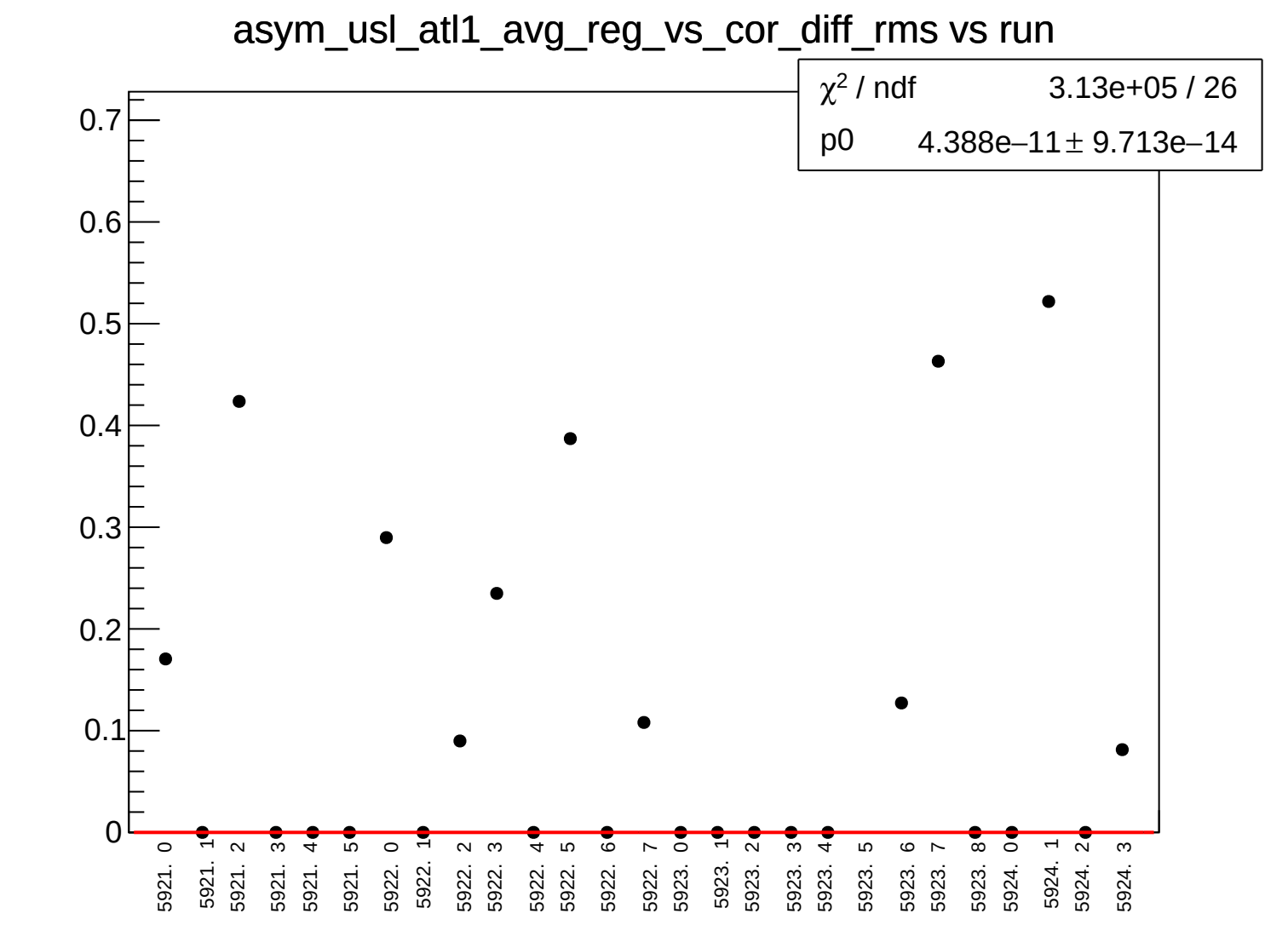

asym_usl_atl1_avg_mean vs run
χ² / ndf 30.33 / 26
p0 −3234 ± 3495
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

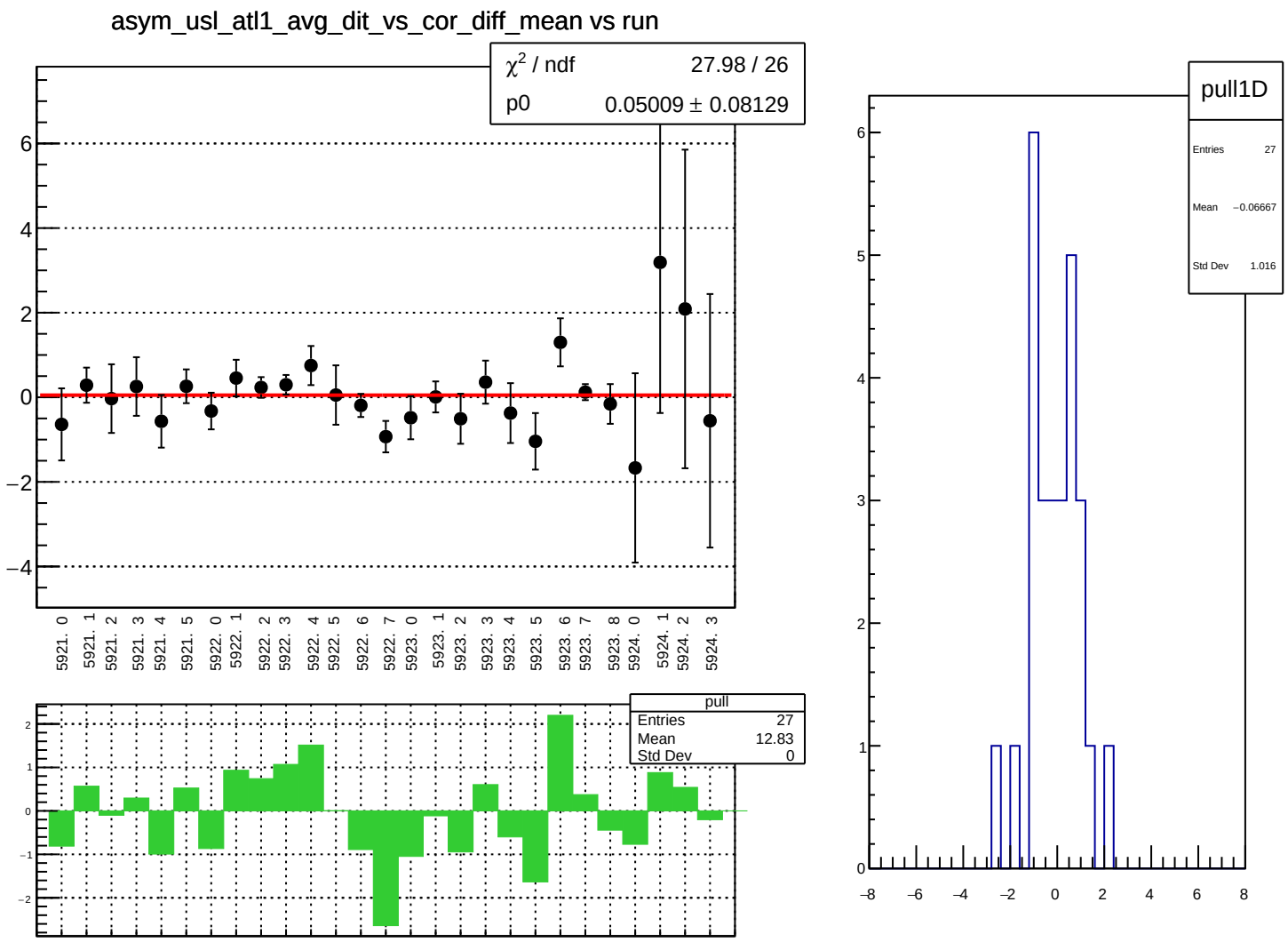

pull
Entries 27
Mean 116.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

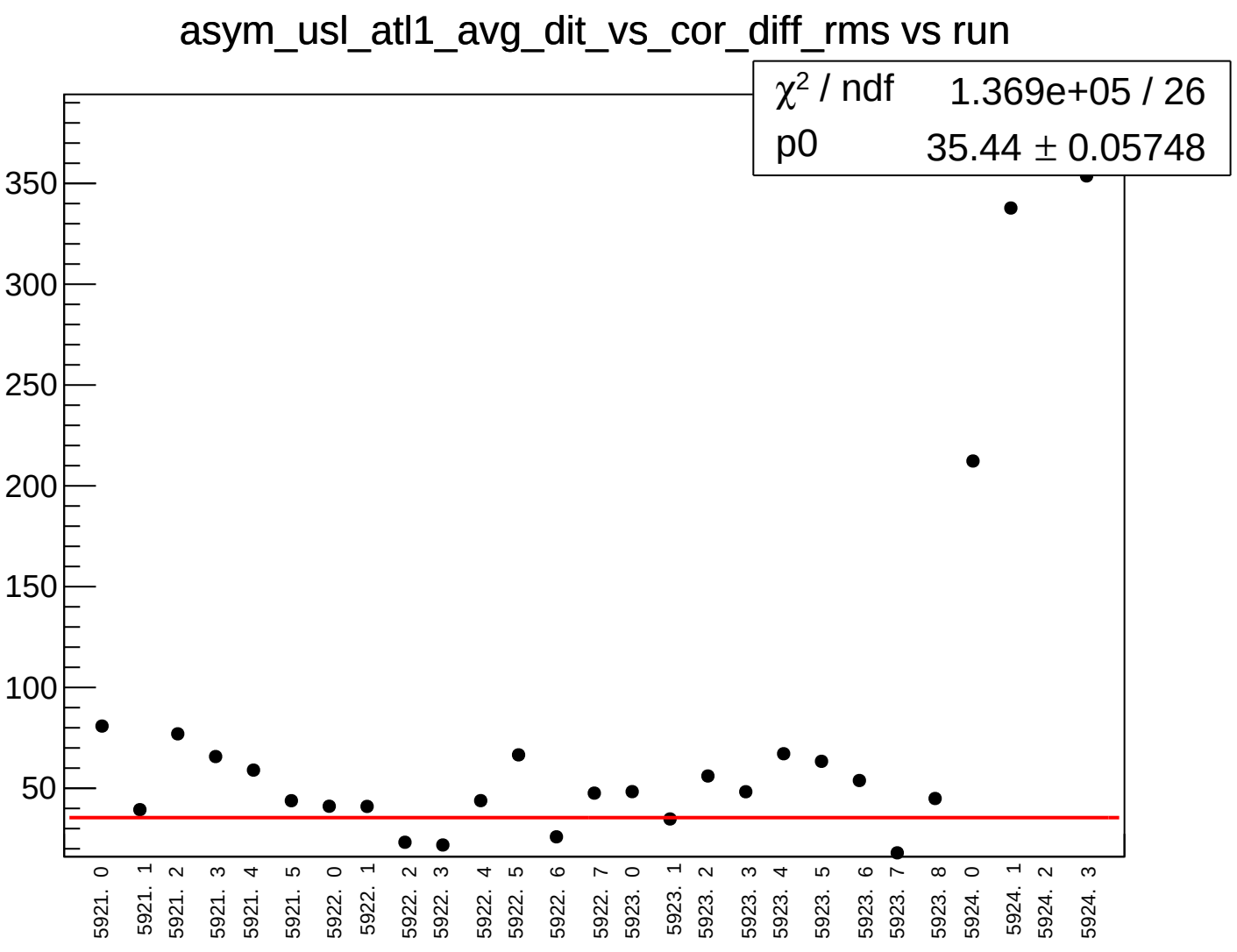

pull1D
Entries 27
Mean −0.006064
Std Dev 1.06
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

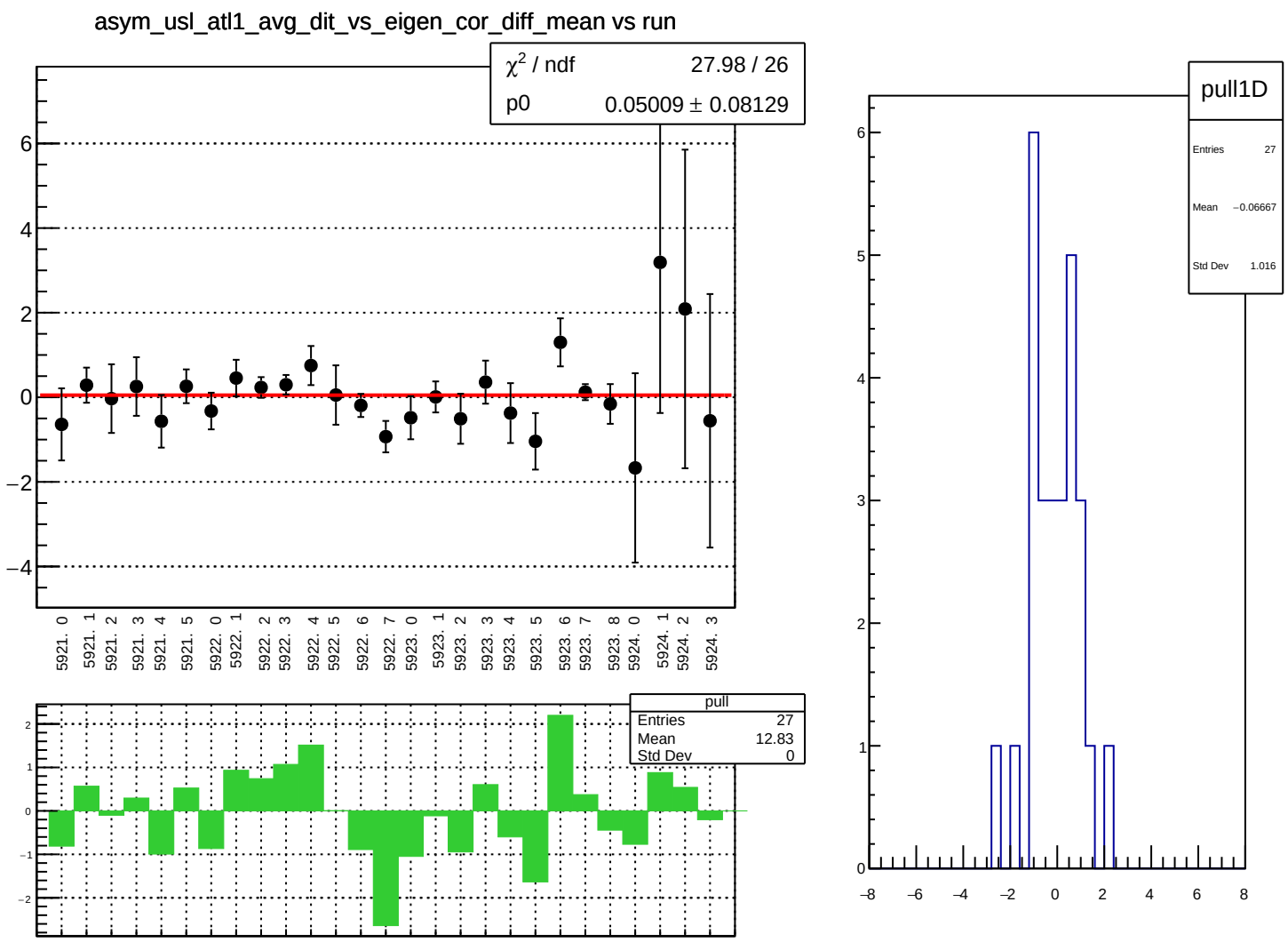

asym_usl_atl1_avg_rms vs run
χ² / ndf 236.2 / 26
p0 1777 ± 2.471
1900
1850
1800
1750
1700
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

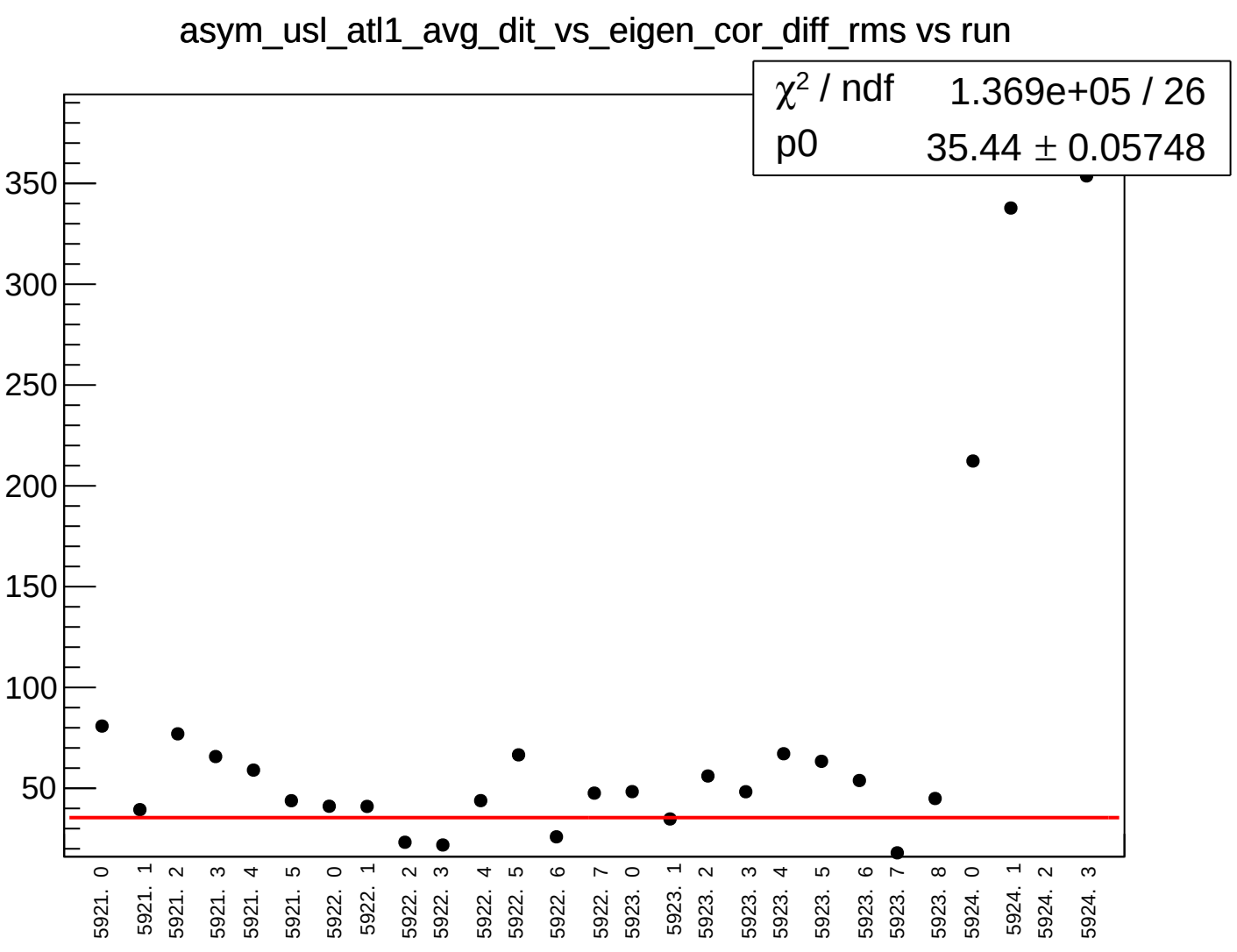

asym_usl_atl1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 30.77 / 26
p0 −7.379e−14 ± 1.374e−13
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 11.97
Std Dev 8.747
pull1D
Entries 27
Mean 0.4333
Std Dev 0.9757

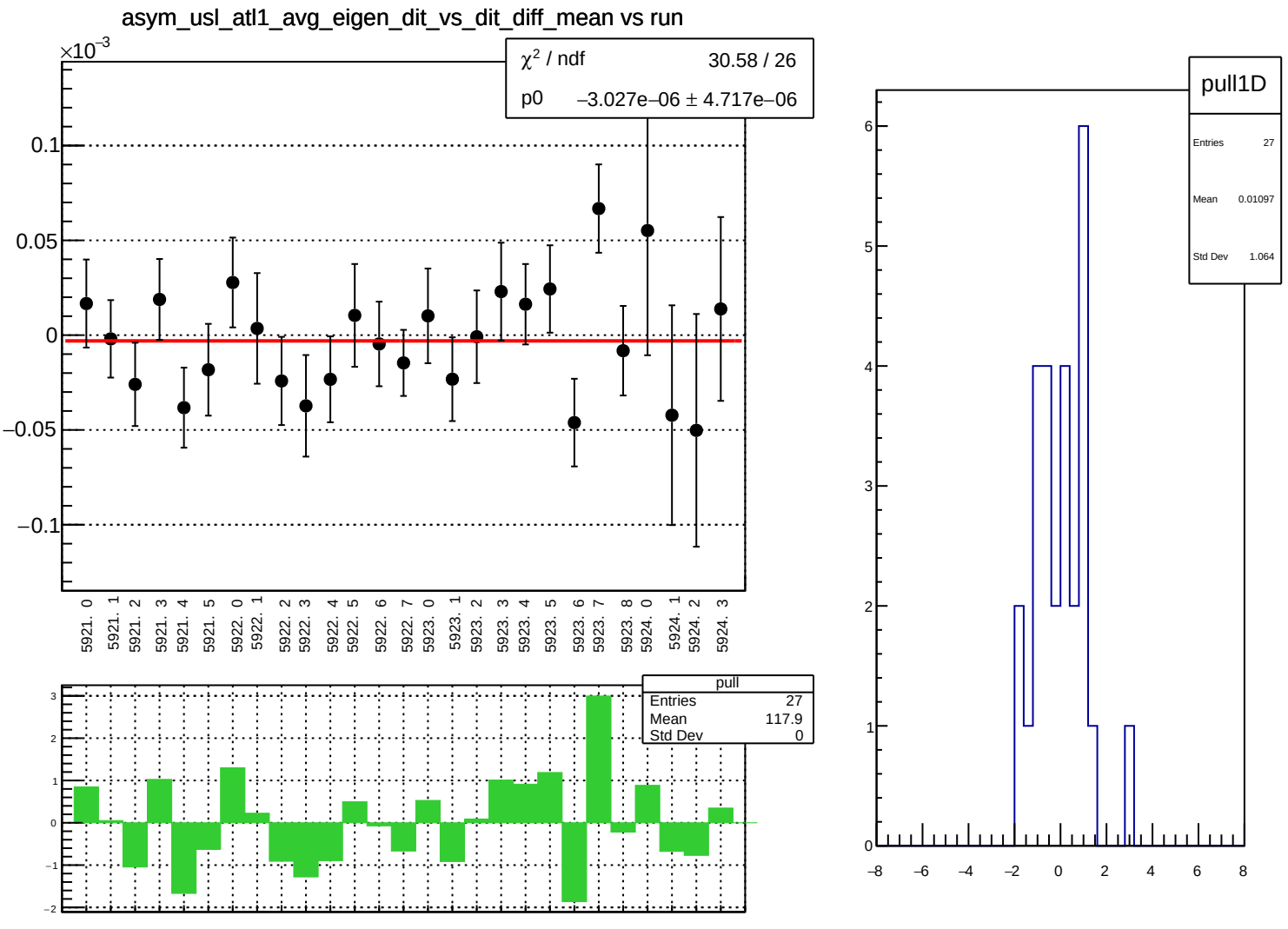

asym_usl_atl1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.13e+05 / 26
p0 4.388e−11 ± 9.713e−14
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

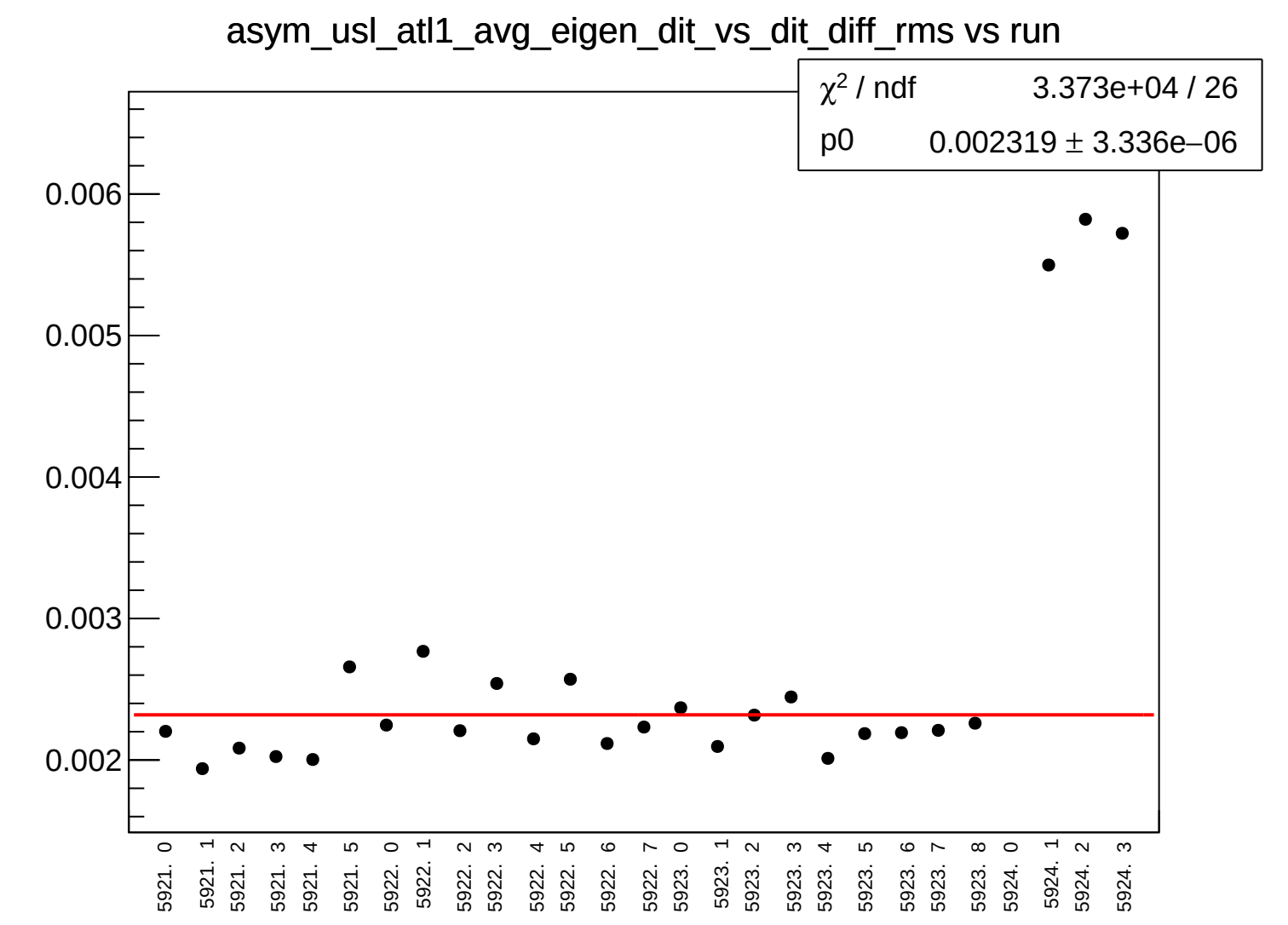

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 27.98 / 26
p0 0.05009 ± 0.08129
6
4
2
0
−2
−4
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 12.83
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean −0.06667
Std Dev 1.016
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

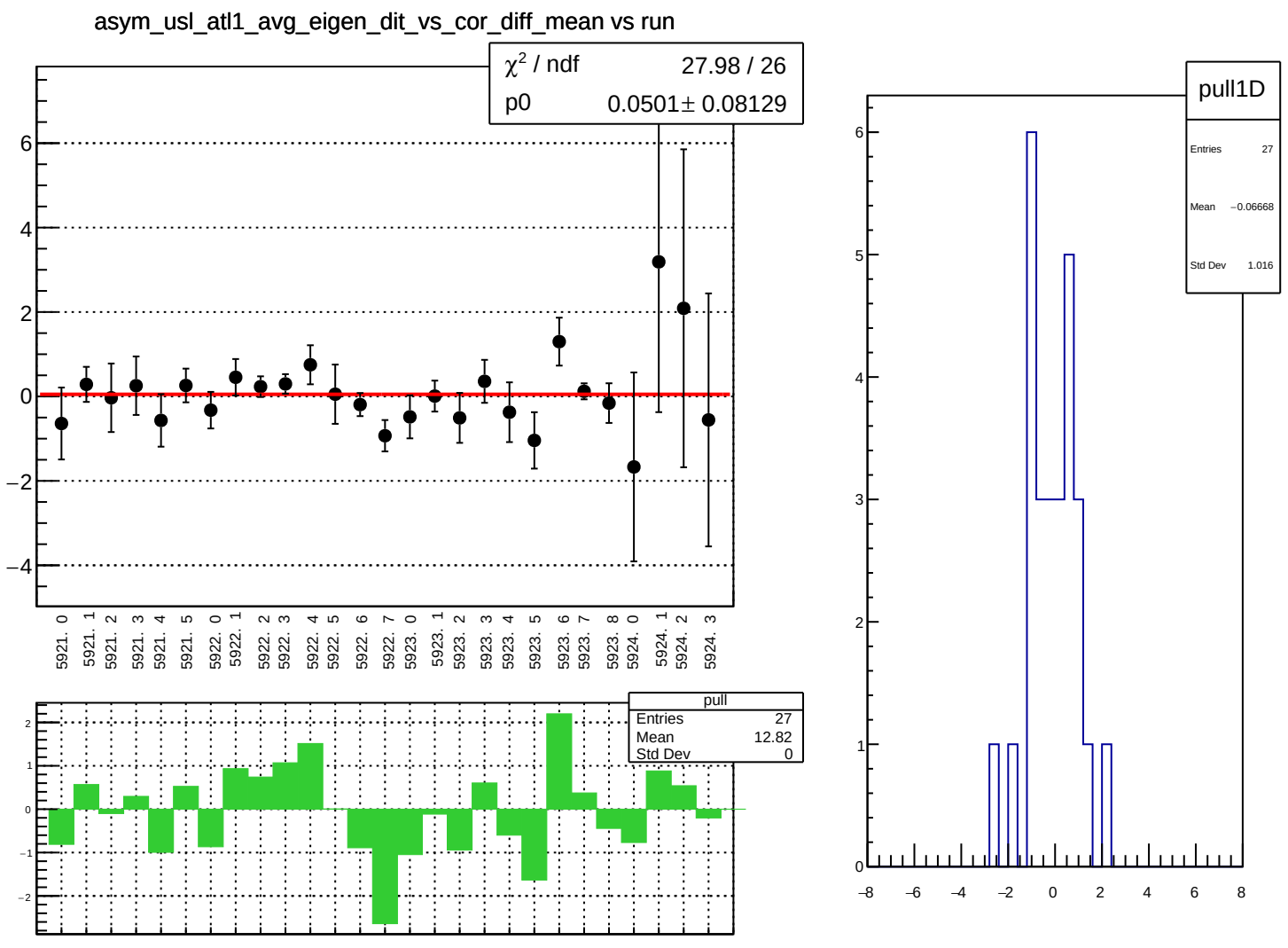

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.369e+05 / 26
p0 35.44 ± 0.05748
350
300
250
200
150
100
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

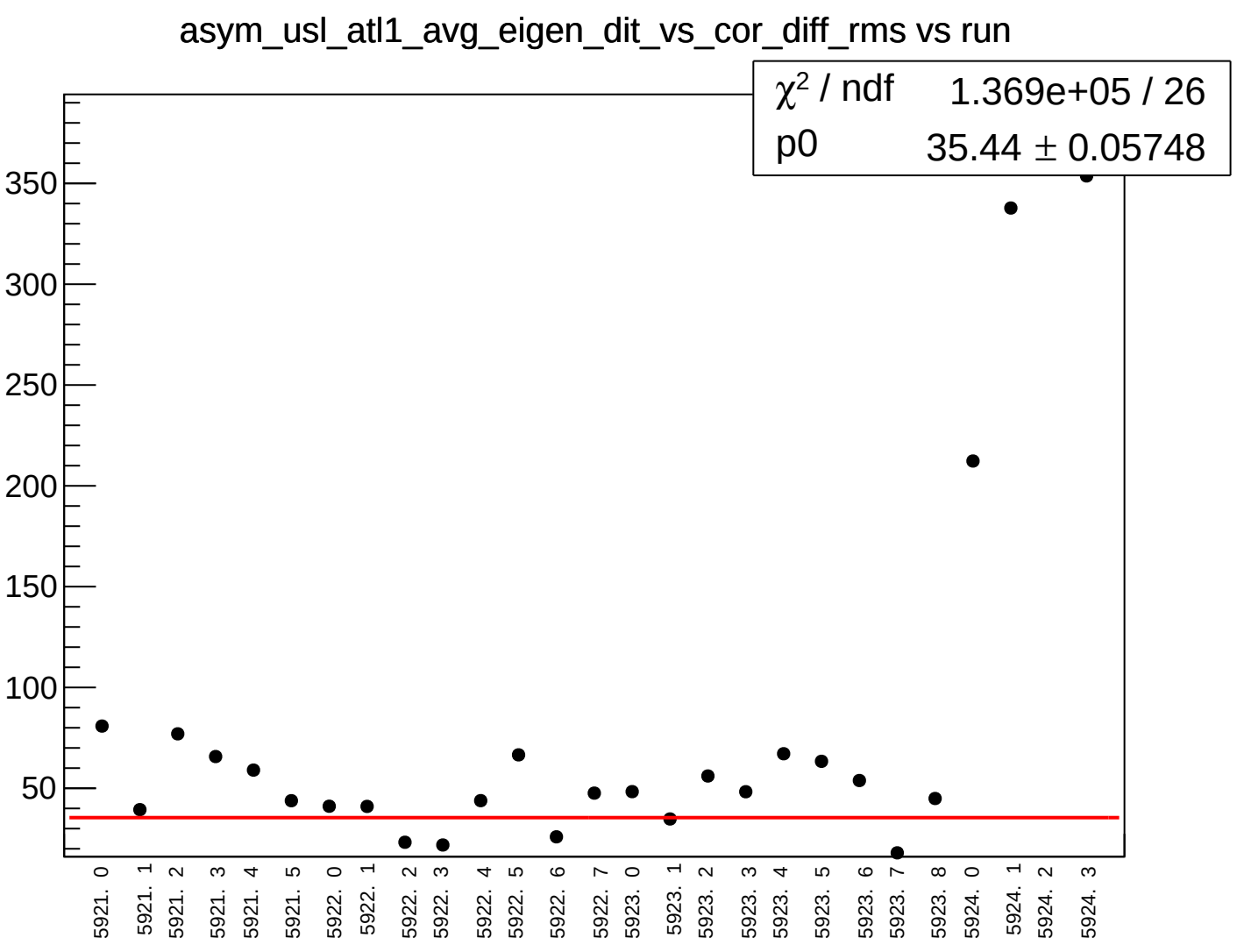

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 27.98 / 26
p0 0.05009 ± 0.08129
6
4
2
0
−2
−4
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 12.83
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean −0.06667
Std Dev 1.016
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

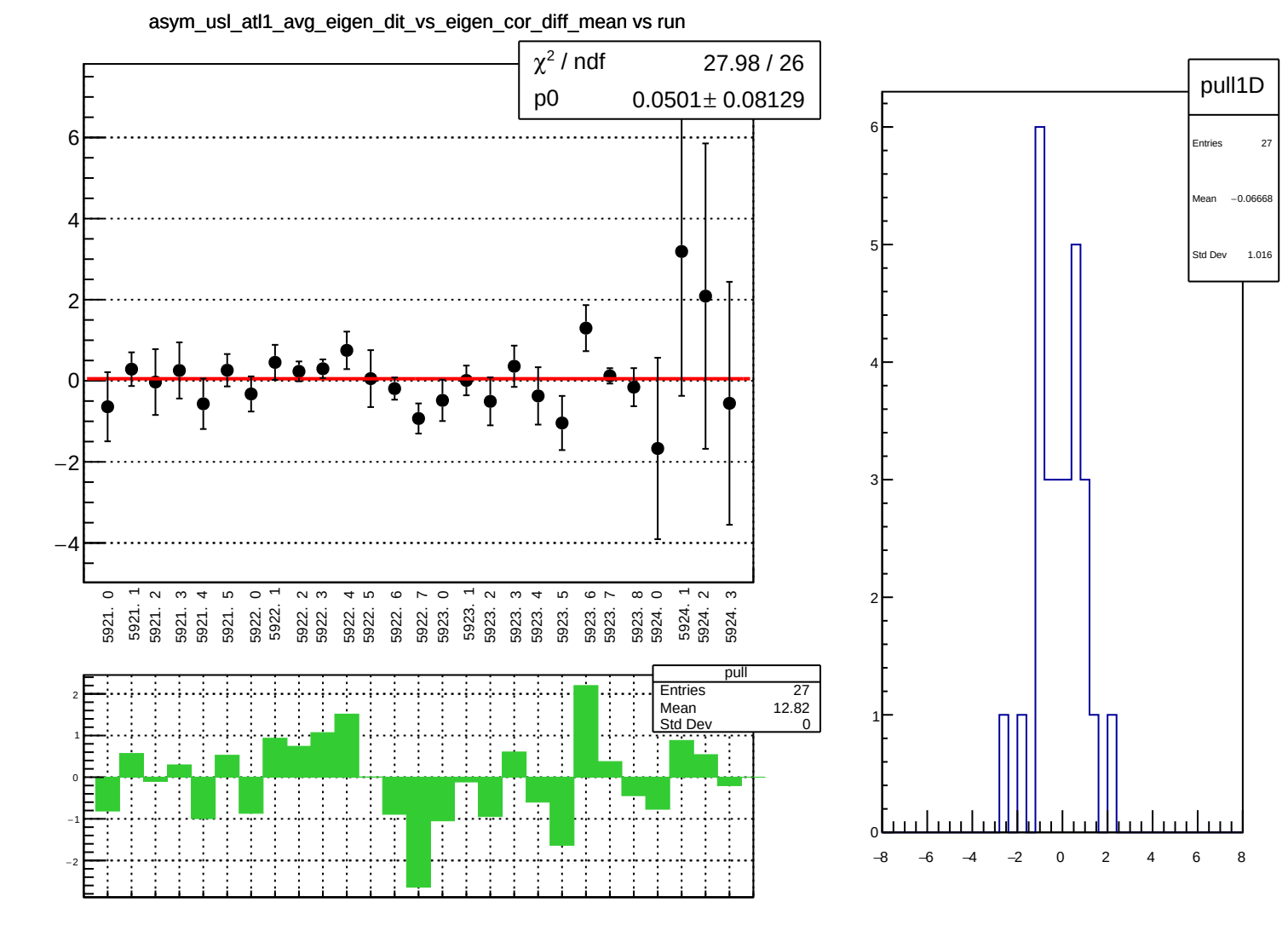

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.369e+05 / 26
p0 35.44 ± 0.05748
350
300
250
200
150
100
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

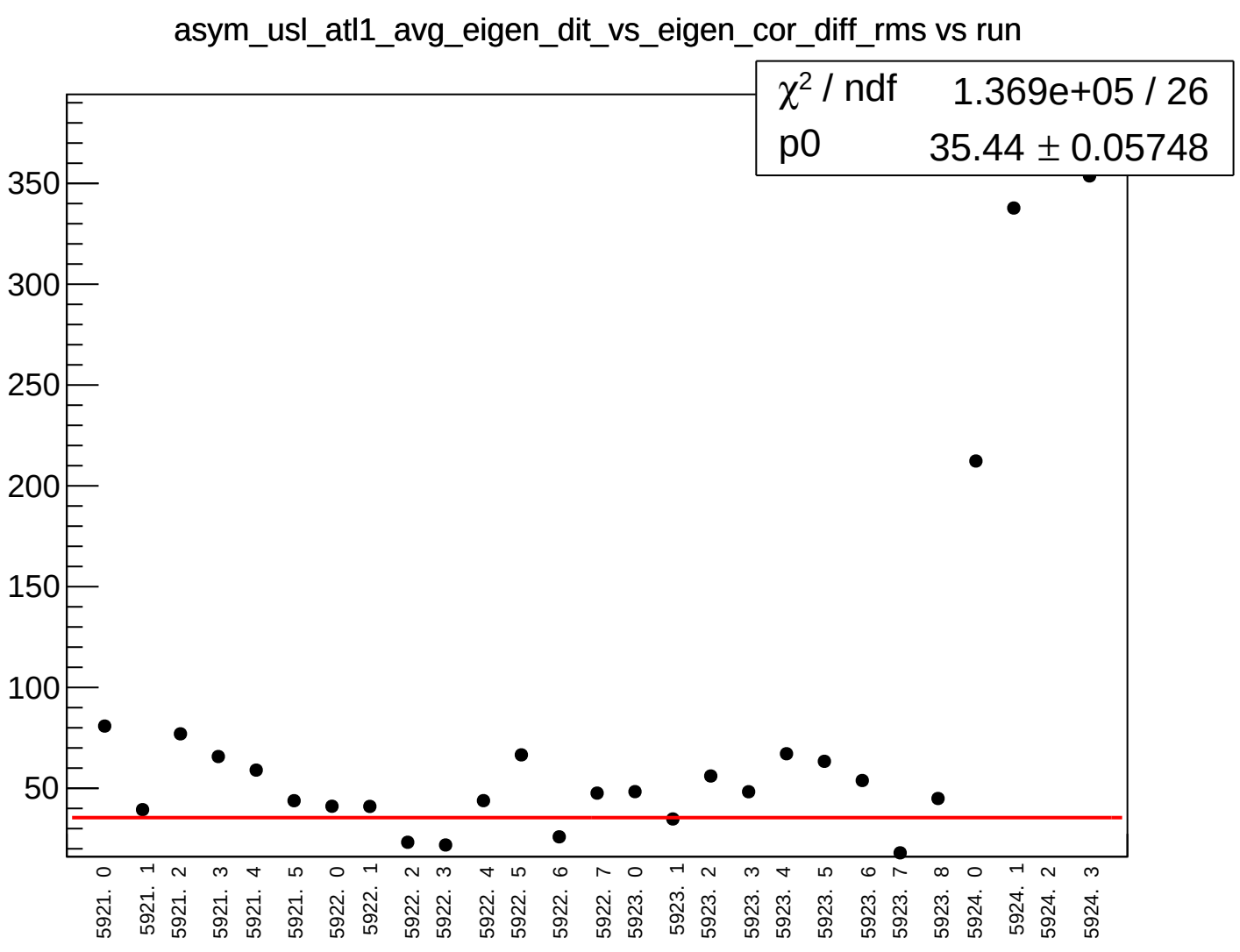

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 30.58 / 26
p0 −3.027e−06 ± 4.717e−06
0.1
0.05
0
−0.05
−0.1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 117.9
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.01097
Std Dev 1.064
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

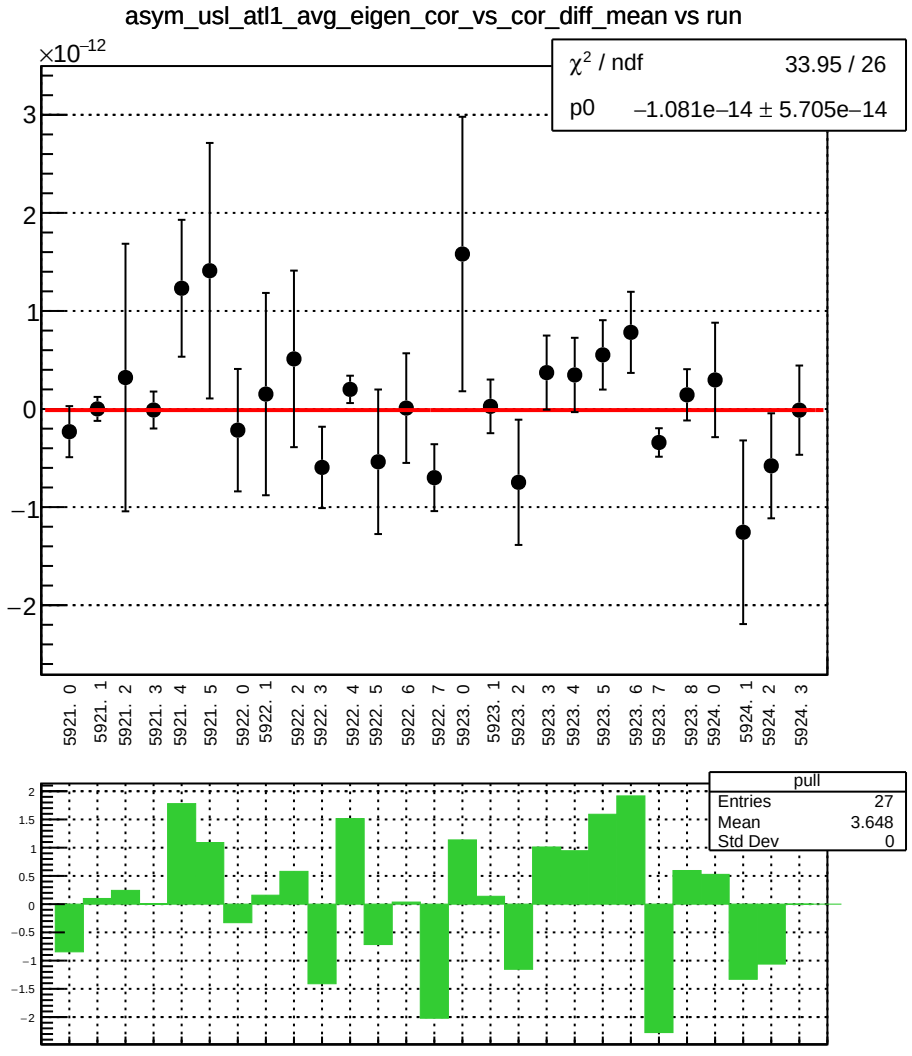

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs run
χ2 / ndf 3.373e+04 / 26
p0 0.002319 ± 3.336e−06
0.006
0.005
0.004
0.003
0.002
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

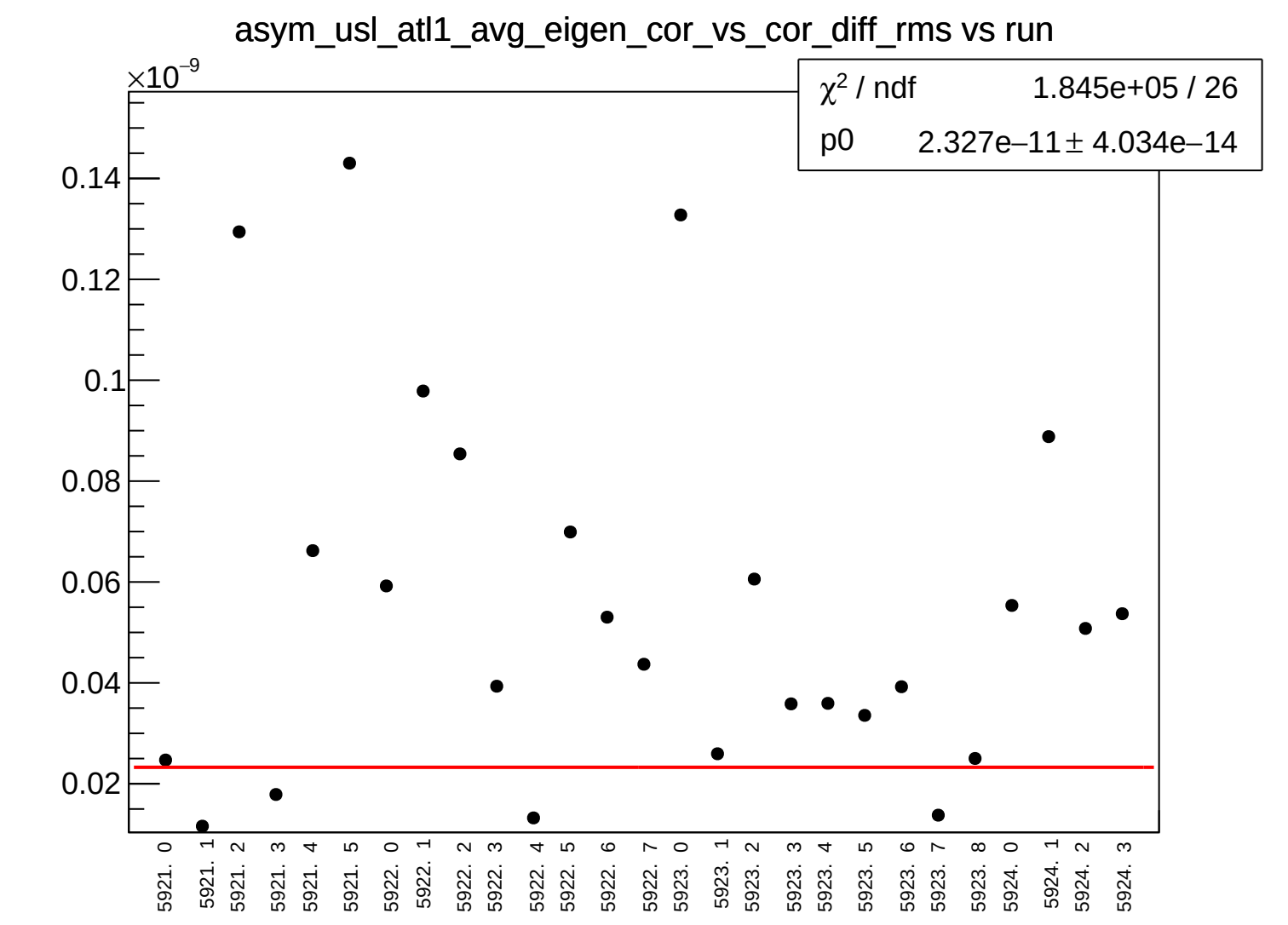

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 27.98 / 26
p0 0.0501± 0.08129
6
4
2
0
−2
−4
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 12.82
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean −0.06668
Std Dev 1.016
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

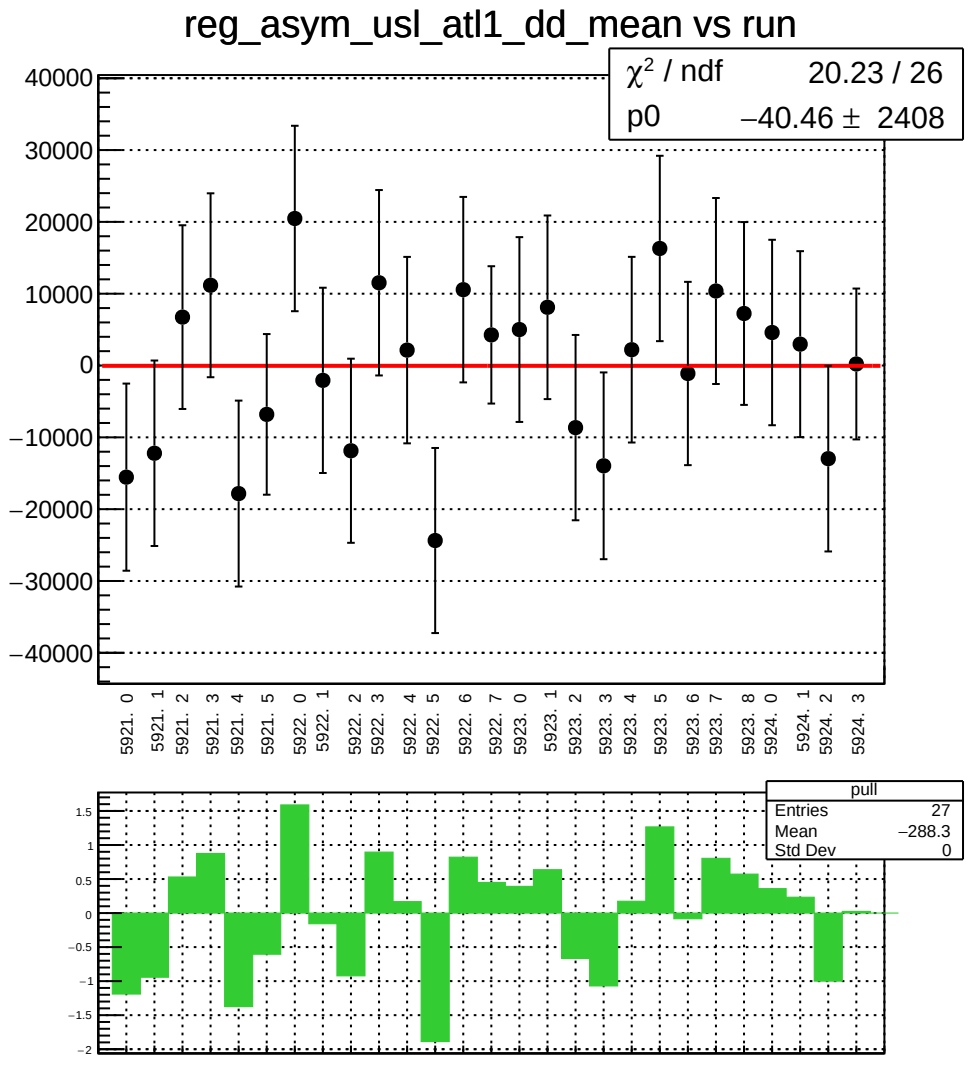

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.369e+05 / 26
p0 35.44 ± 0.05748
350
300
250
200
150
100
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

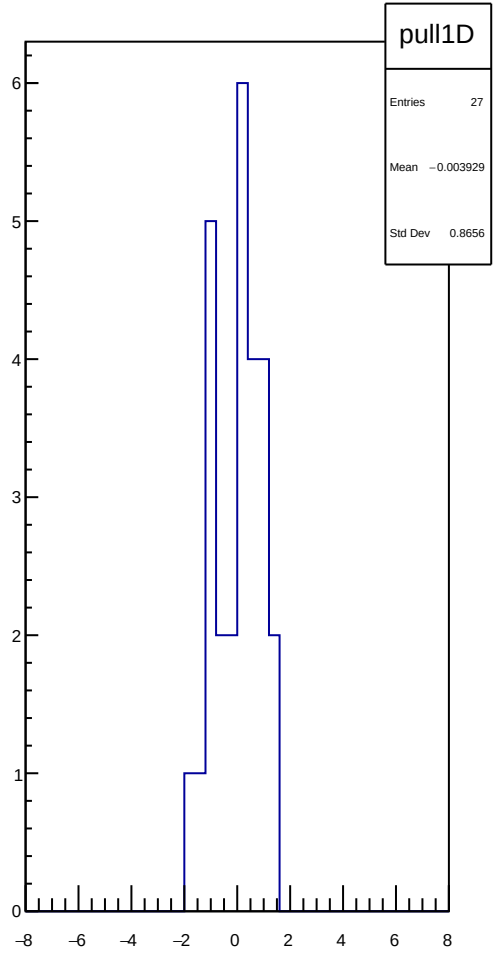

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 27.98 / 26
p0 0.0501± 0.08129
6
4
2
0
−2
−4
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 12.82
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean −0.06668
Std Dev 1.016
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

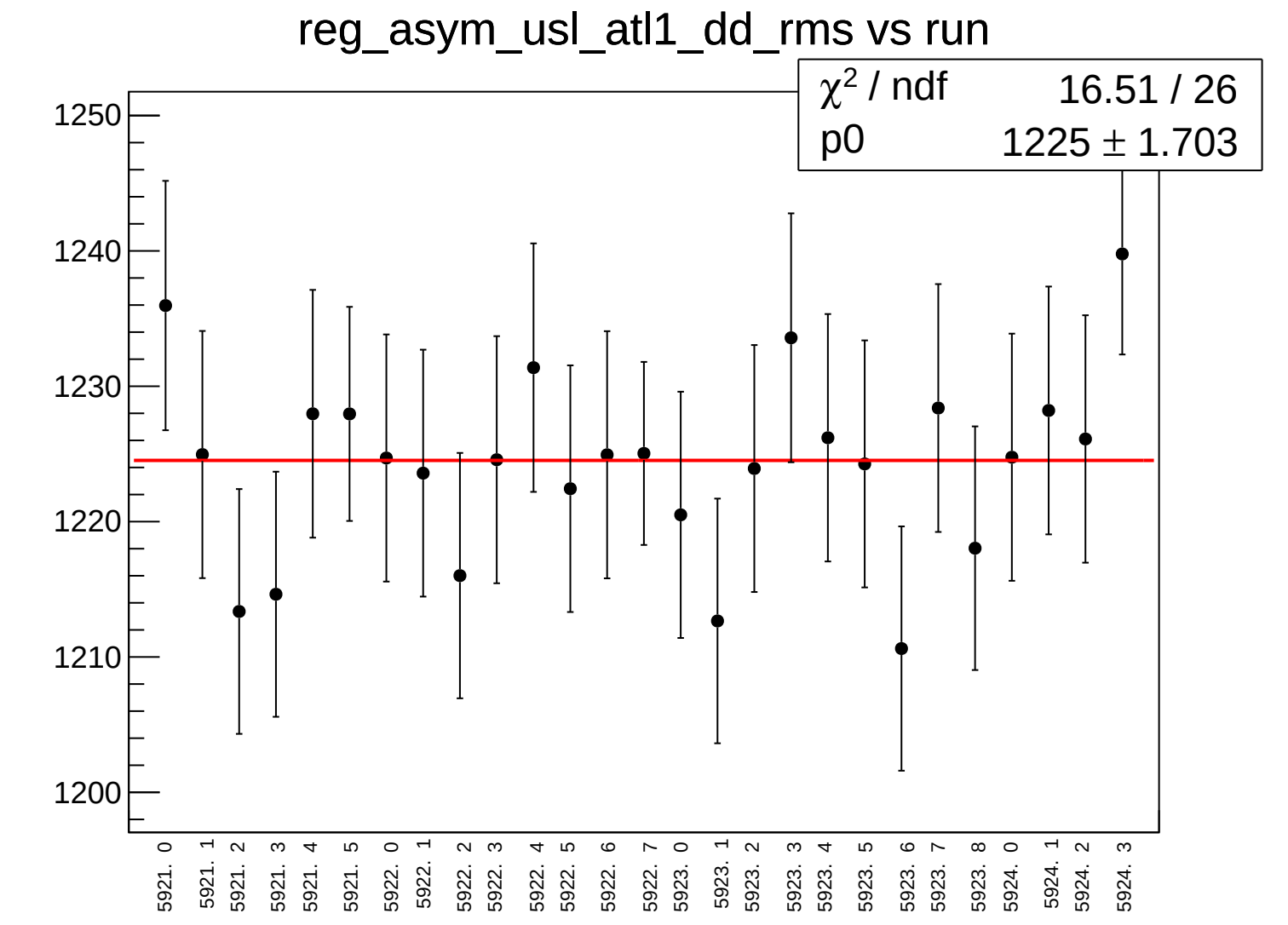

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.369e+05 / 26
p0 35.44 ± 0.05748
350
300
250
200
150
100
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

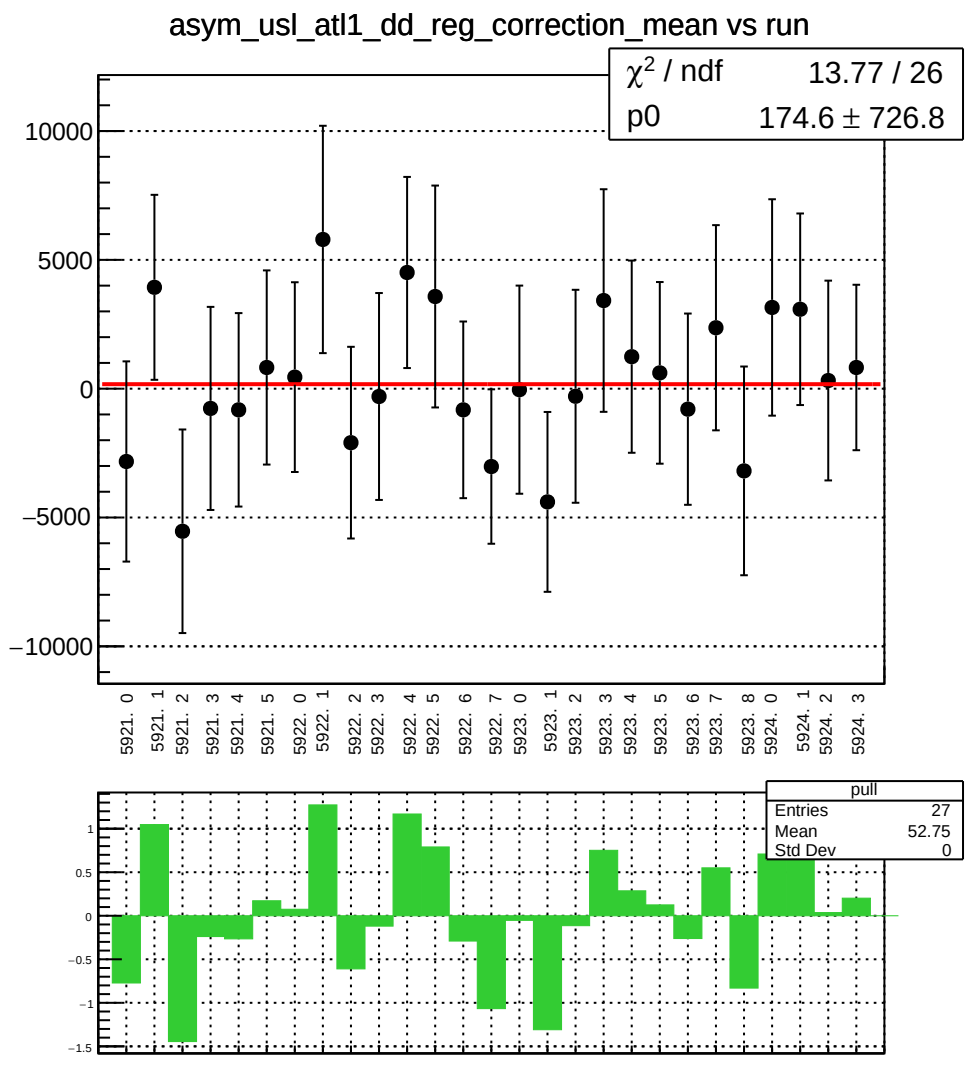

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 33.95 / 26
p0 −1.081e−14 ± 5.705e−14
3
2
1
0
−1
−2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 3.648
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean 0.08272
Std Dev 1.118
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

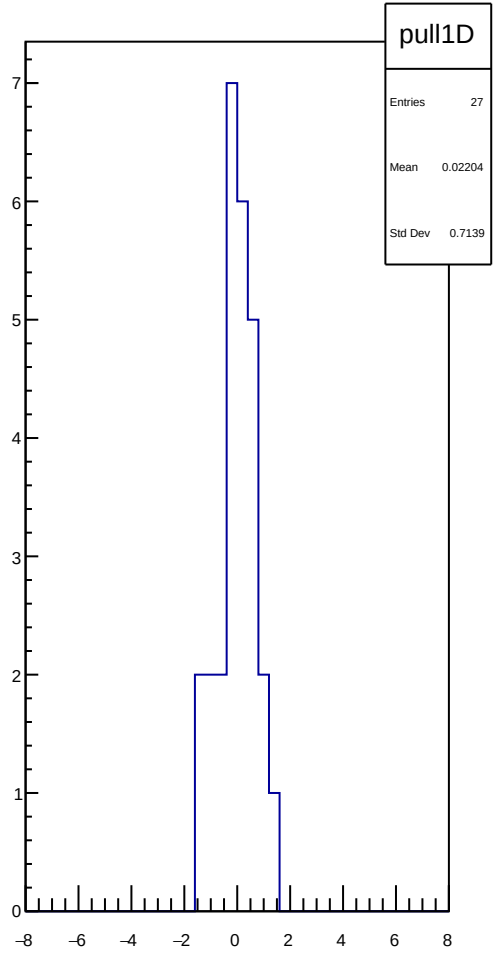

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.845e+05 / 26
p0 2.327e−11 ± 4.034e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

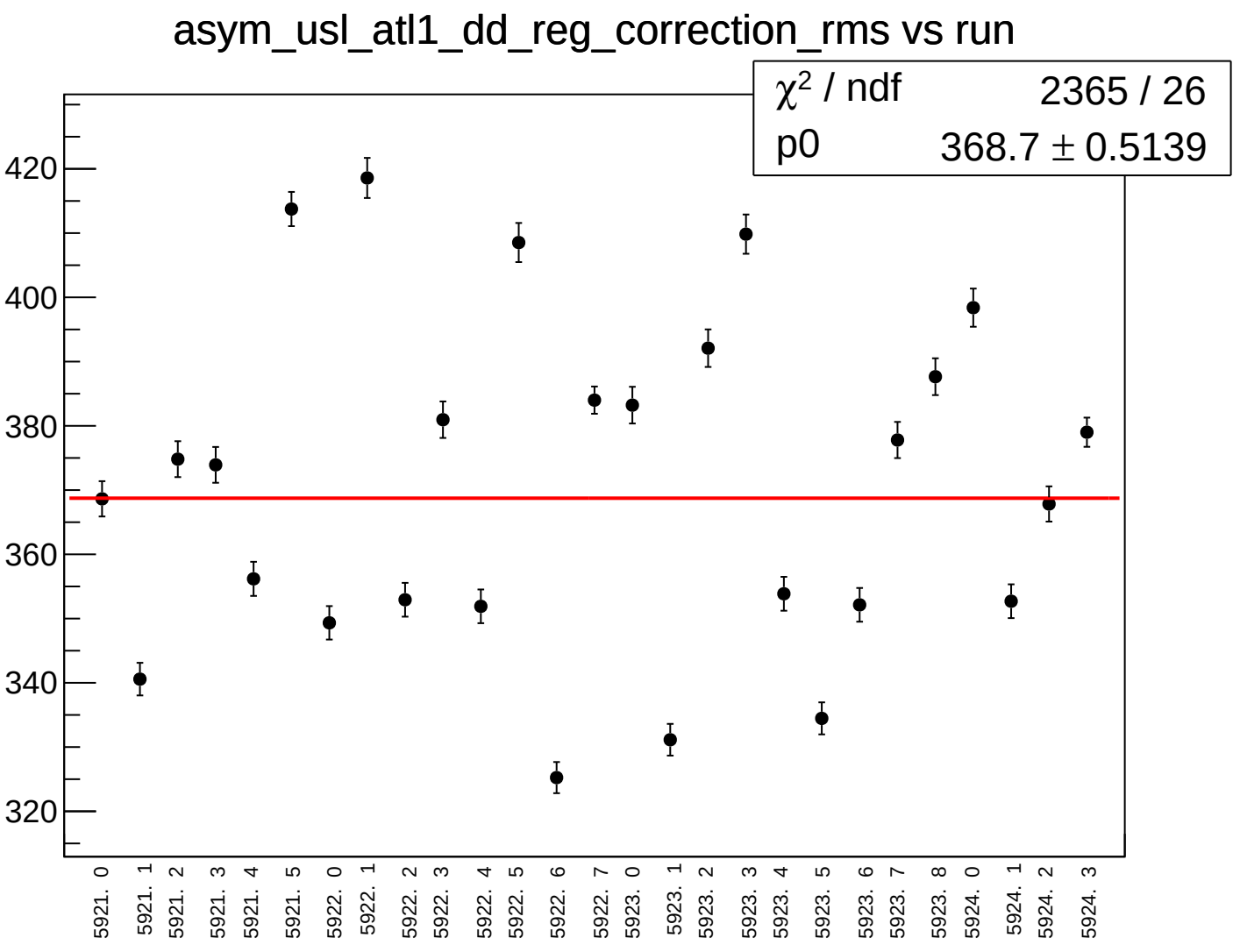

reg_asym_usl_atl1_dd_mean vs run
χ² / ndf 20.23 / 26
p0 −40.46 ± 2408
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −288.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

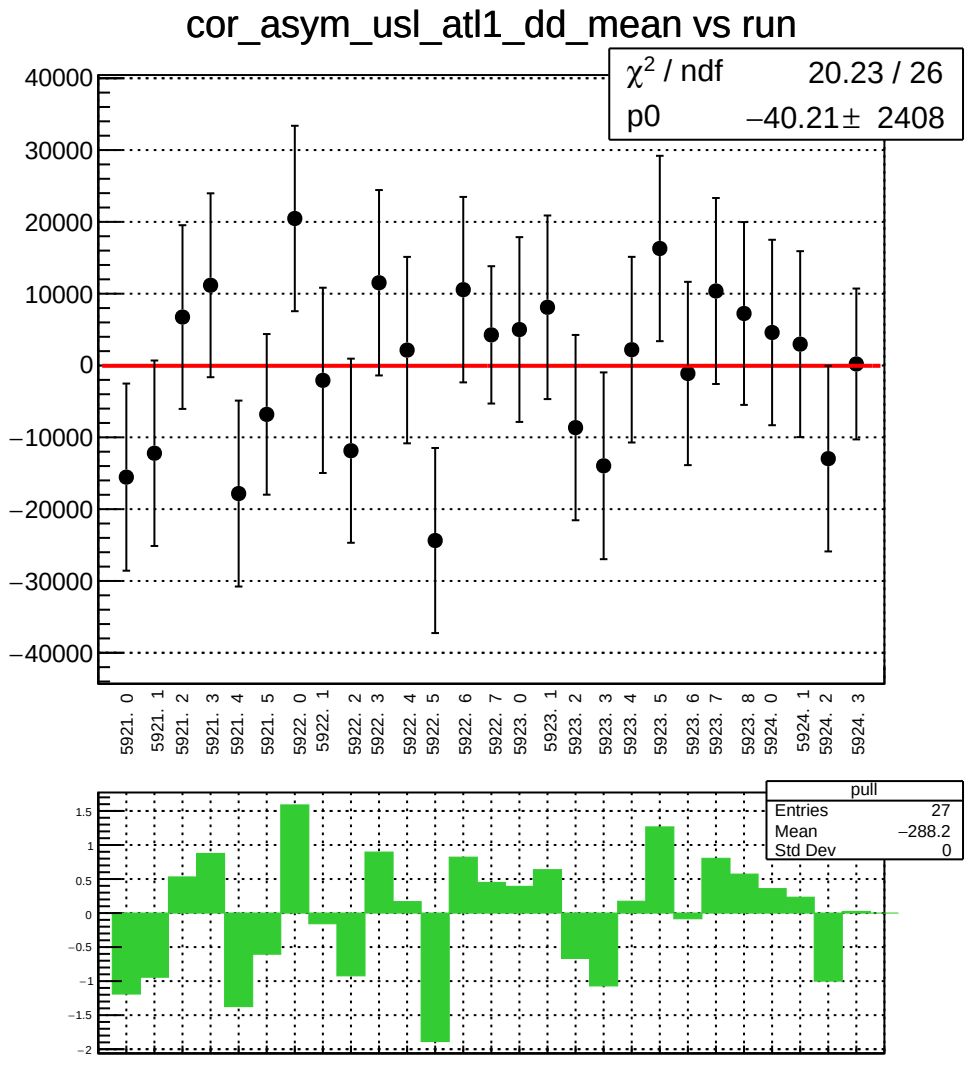

pull1D
Entries 27
Mean −0.003929
Std Dev 0.8656
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

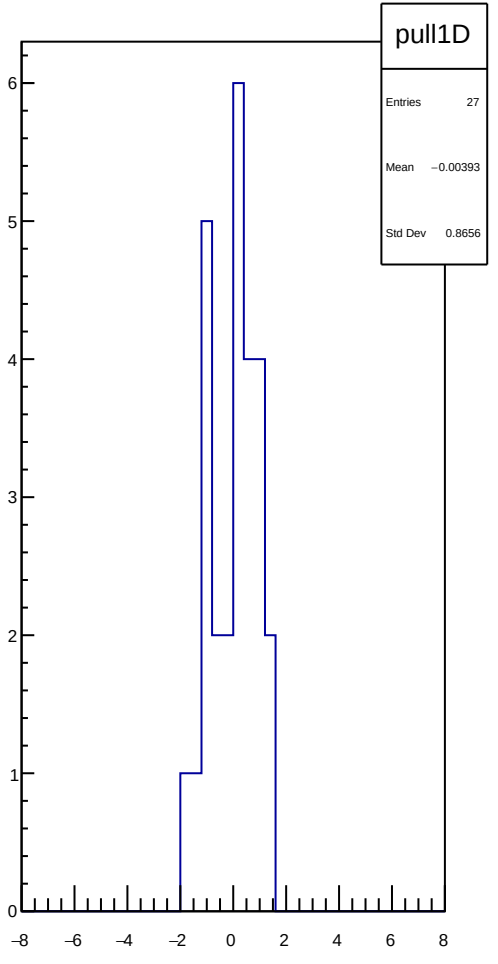

reg_asym_usl_atl1_dd_rms vs run
χ² / ndf 16.51 / 26
p0 1225 ± 1.703
1250
1240
1230
1220
1210
1200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

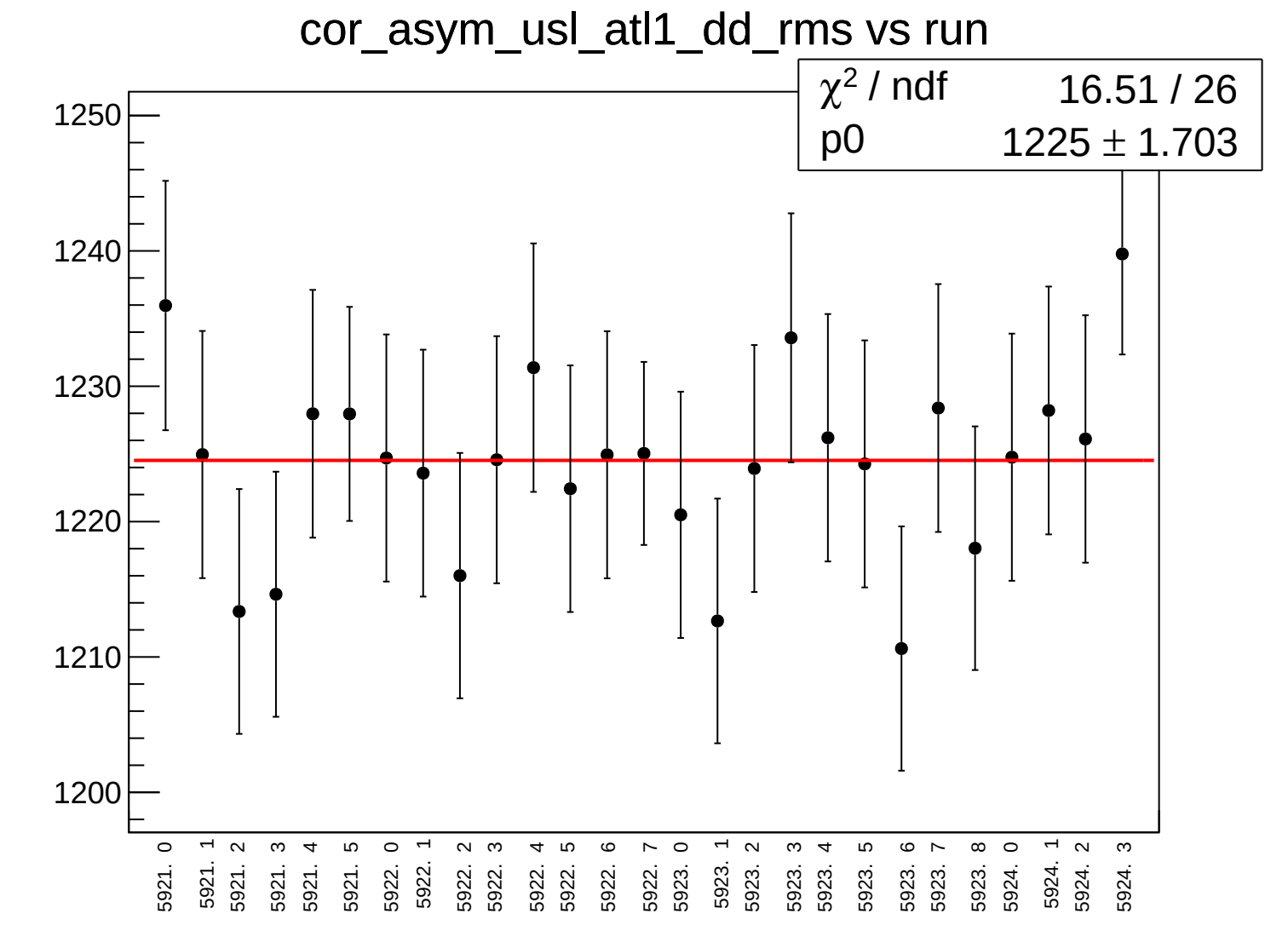

asym_usl_atl1_dd_reg_correction_mean vs run
χ² / ndf 13.77 / 26
p0 174.6 ± 726.8
10000
5000
0
−5000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 52.75
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

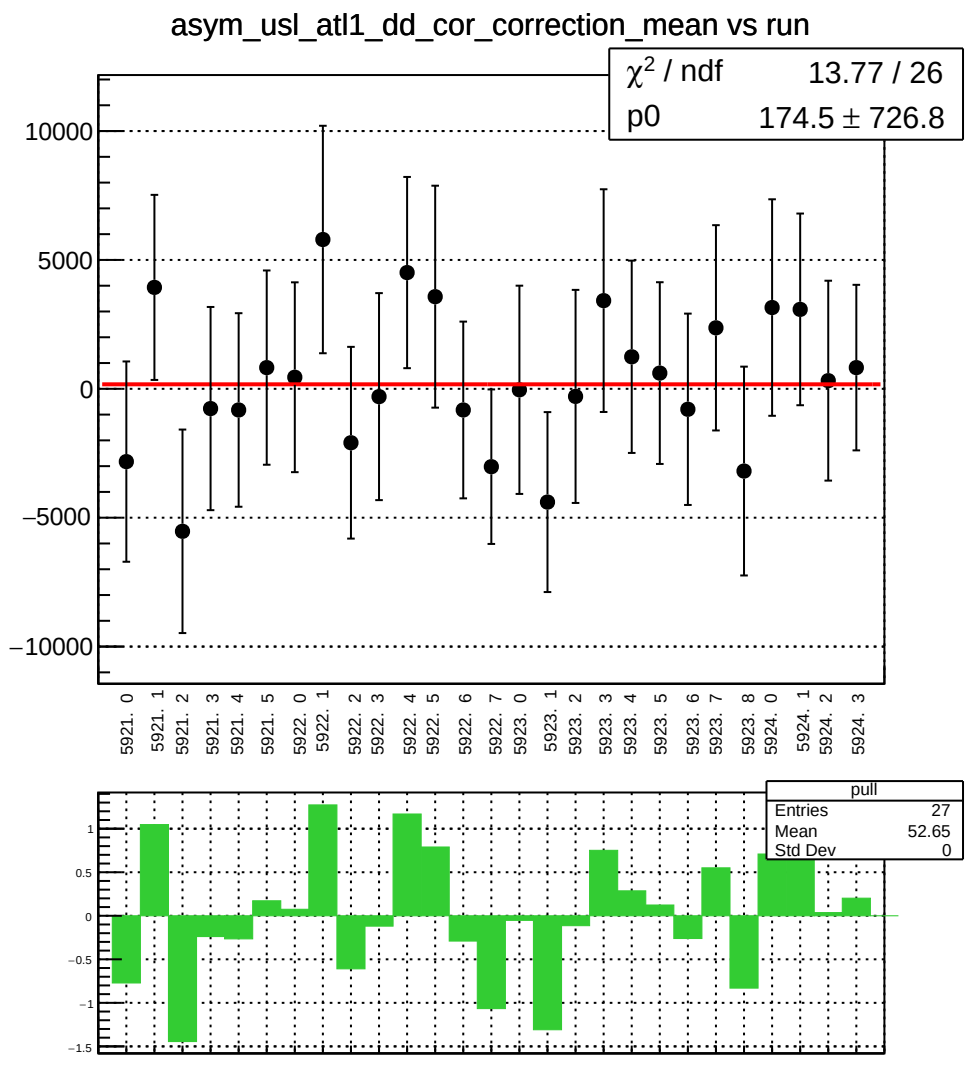

pull1D
Entries 27
Mean 0.02204
Std Dev 0.7139
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

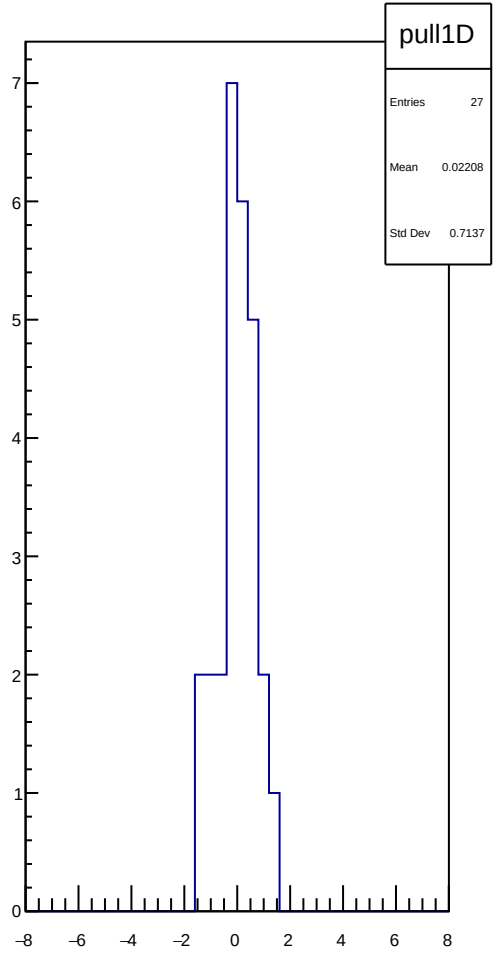

asym_usl_atl1_dd_reg_correction_rms vs run
χ² / ndf 2365 / 26
p0 368.7 ± 0.5139
420
400
380
360
340
320
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

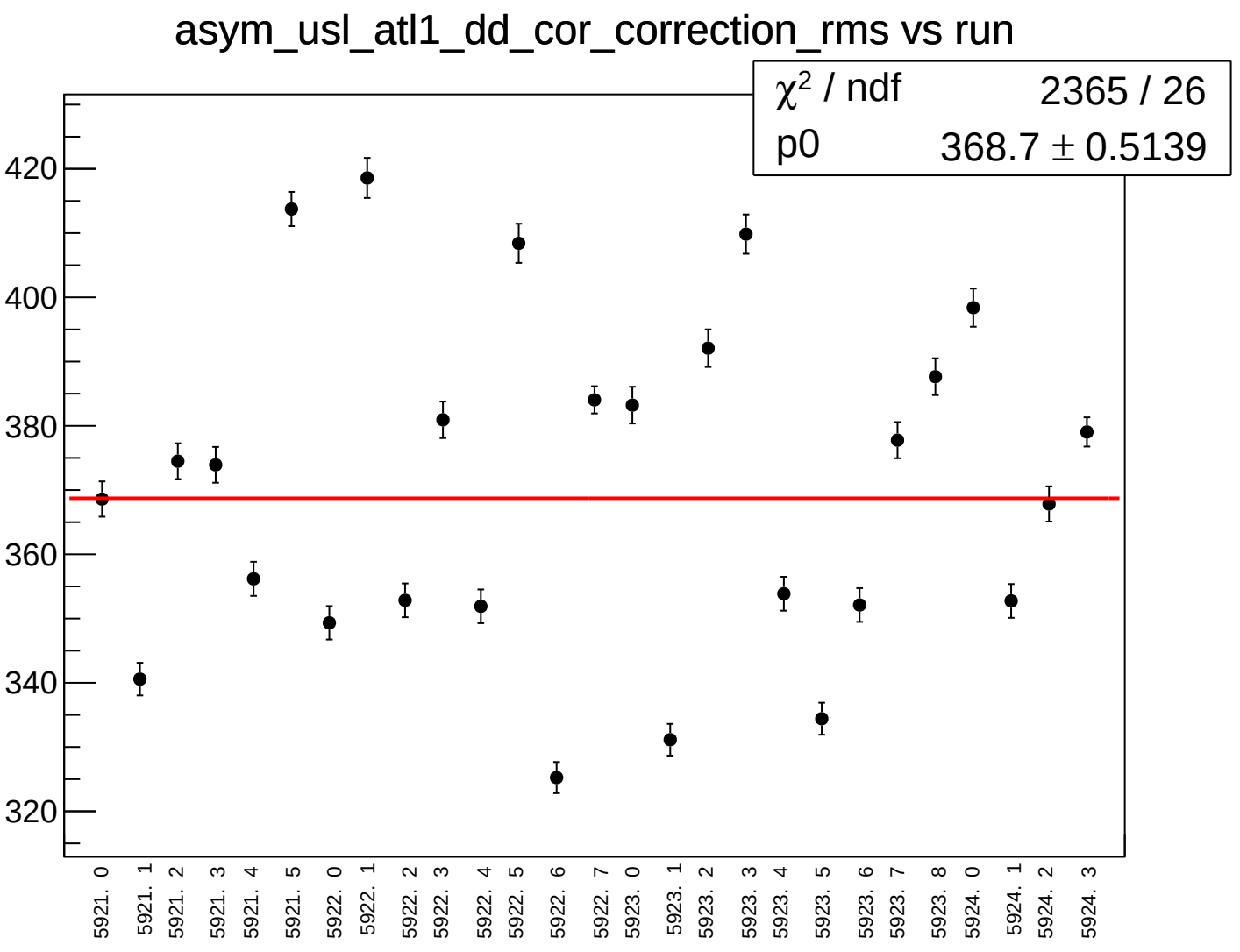

cor_asym_usl_atl1_dd_mean vs run
χ² / ndf 20.23 / 26
p0 −40.21± 2408
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −288.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

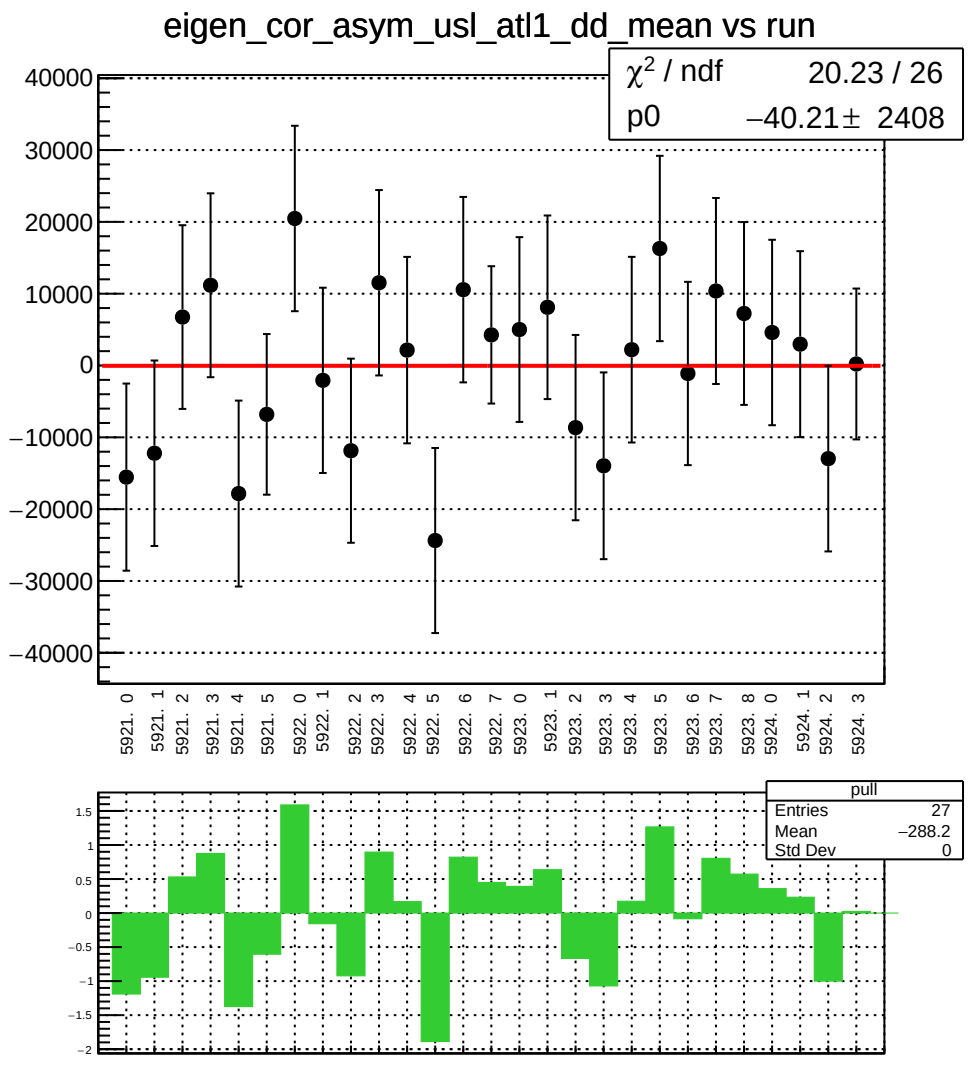

pull1D
Entries 27
Mean −0.00393
Std Dev 0.8656
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

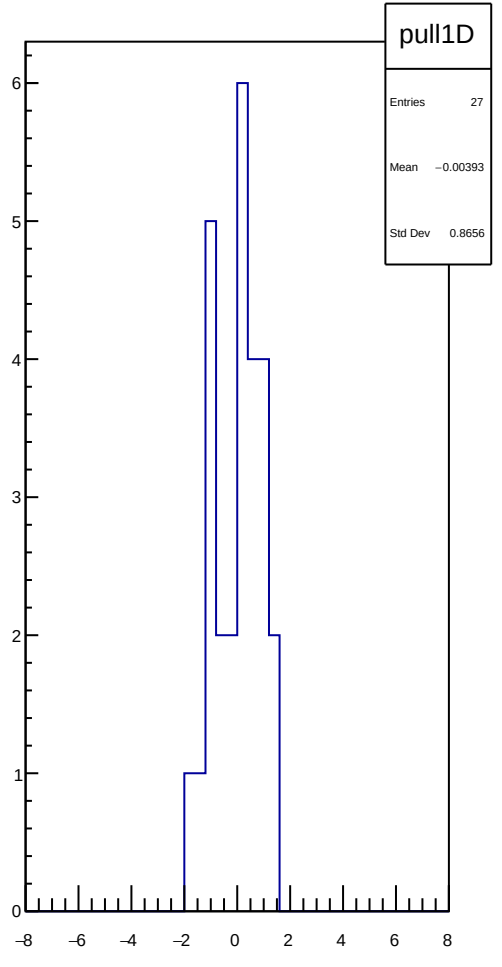

cor_asym_usl_atl1_dd_rms vs run
χ² / ndf 16.51 / 26
p0 1225 ± 1.703
1250
1240
1230
1220
1210
1200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

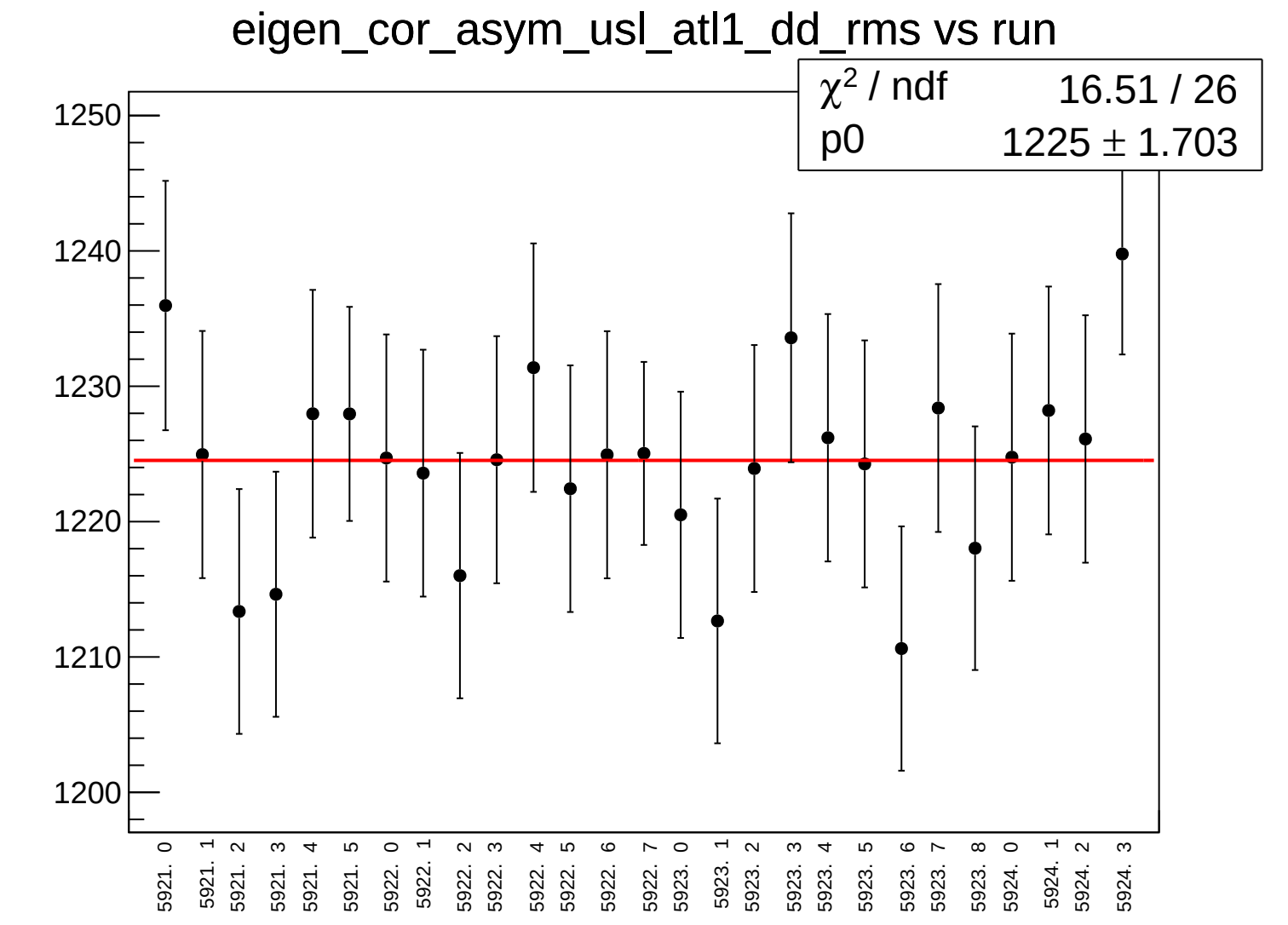

asym_usl_atl1_dd_cor_correction_mean vs run
χ² / ndf 13.77 / 26
p0 174.5 ± 726.8
10000
5000
0
−5000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 52.65
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

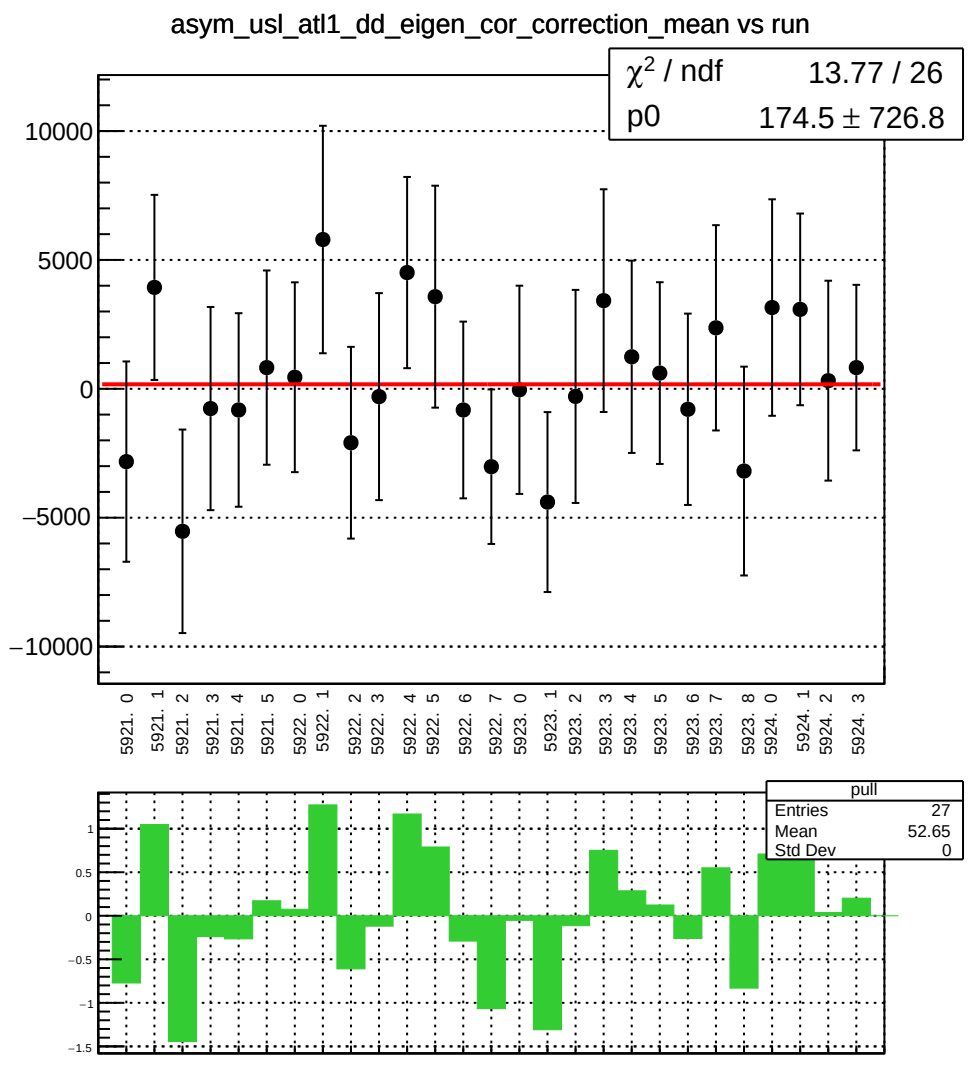

pull1D
Entries 27
Mean 0.02208
Std Dev 0.7137
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

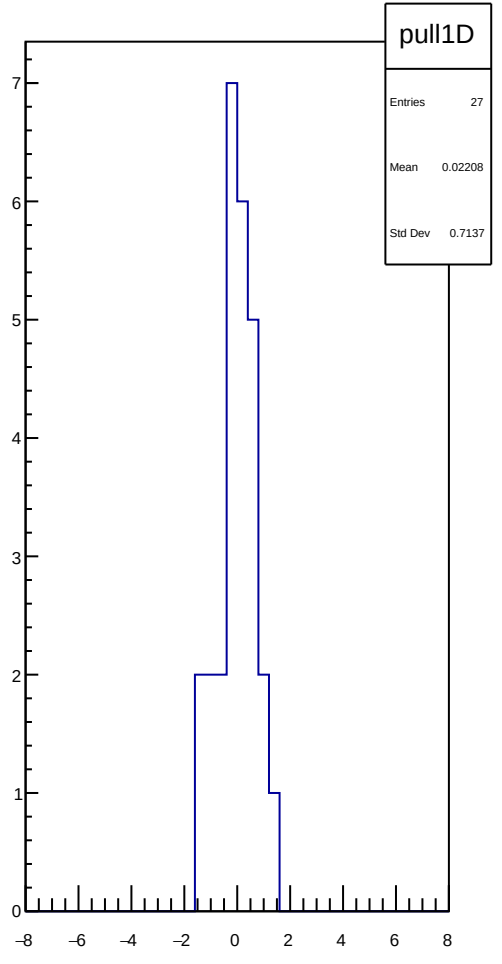

asym_usl_atl1_dd_cor_correction_rms vs run
χ² / ndf 2365 / 26
p0 368.7 ± 0.5139
420
400
380
360
340
320
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

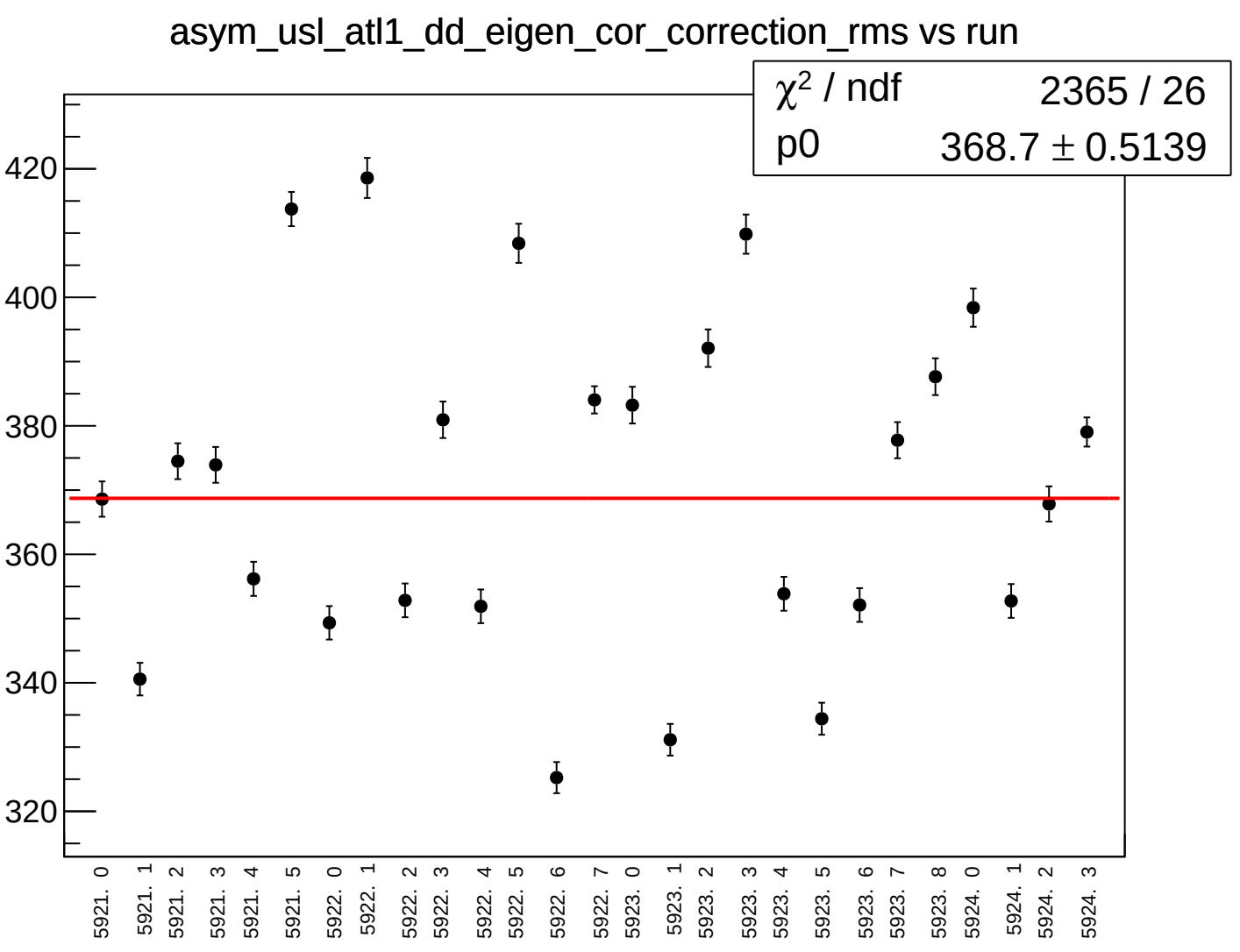

eigen_cor_asym_usl_atl1_dd_mean vs run
χ² / ndf 20.23 / 26
p0 −40.21± 2408
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −288.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

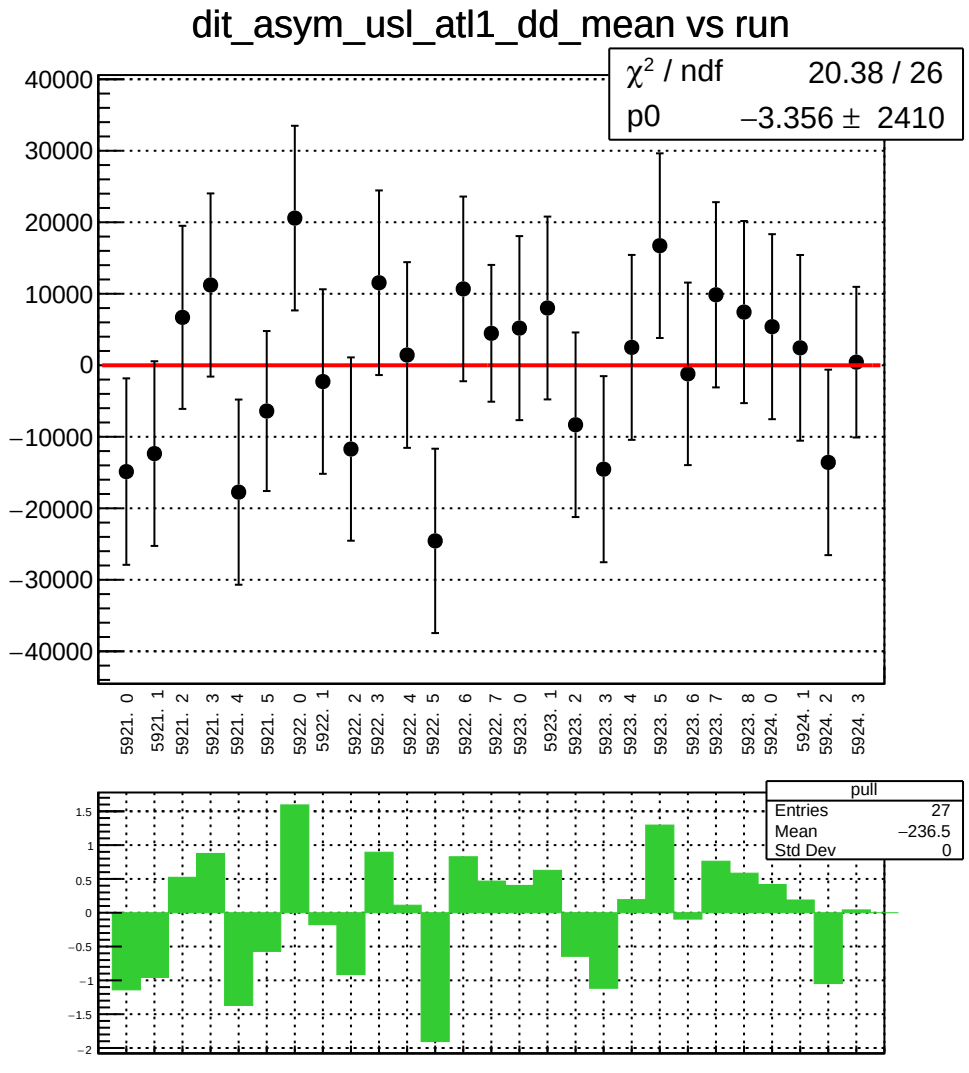

pull1D
Entries 27
Mean −0.00393
Std Dev 0.8656
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

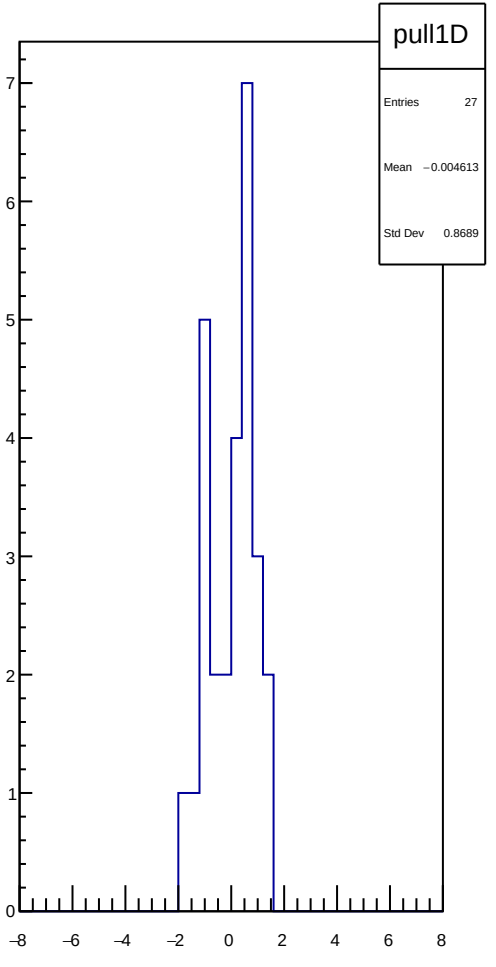

eigen_cor_asym_usl_atl1_dd_rms vs run
χ² / ndf 16.51 / 26
p0 1225 ± 1.703
1250
1240
1230
1220
1210
1200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

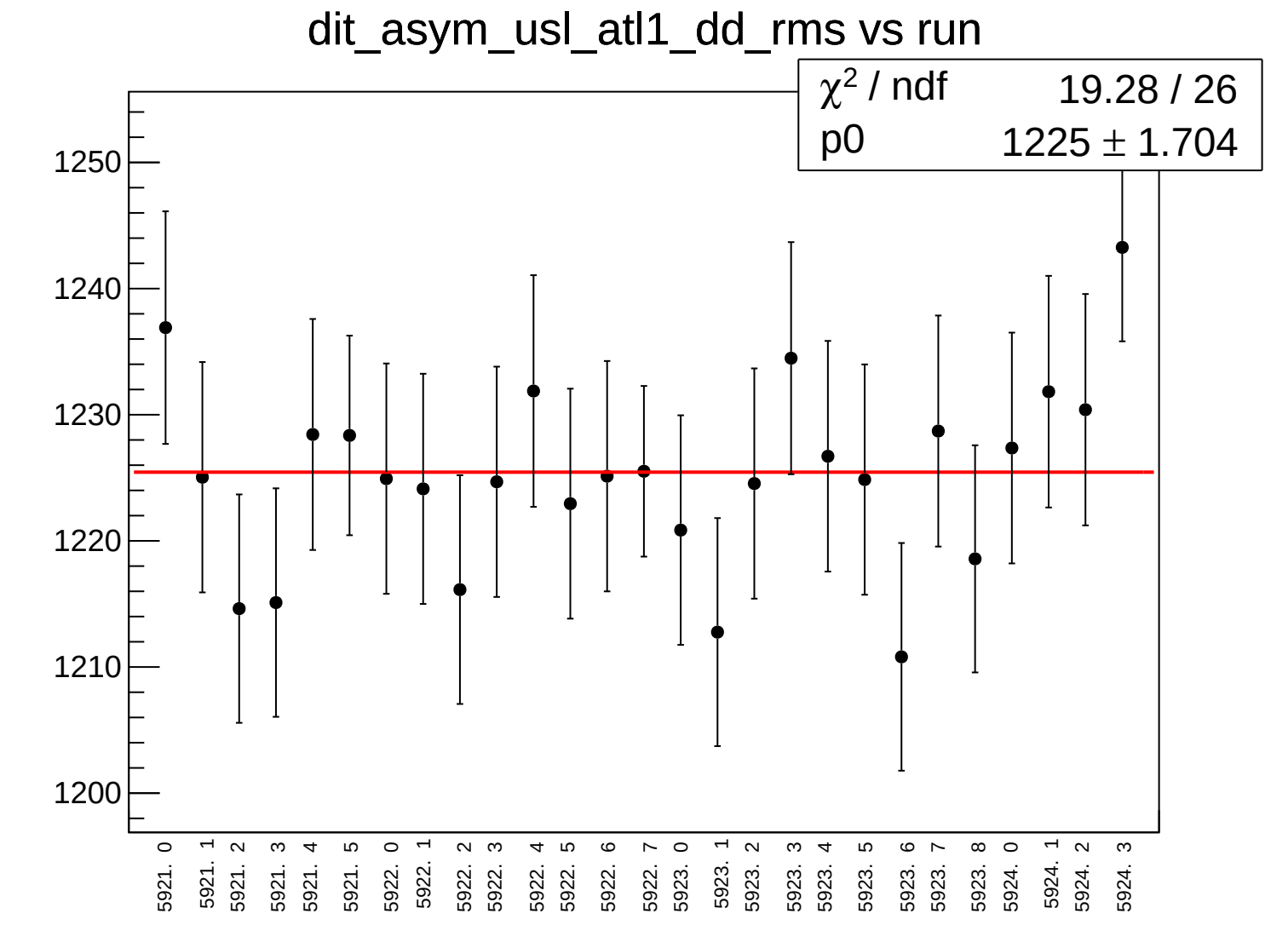

asym_usl_atl1_dd_eigen_cor_correction_mean vs run
χ² / ndf 13.77 / 26
p0 174.5 ± 726.8
10000
5000
0
−5000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 52.65
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

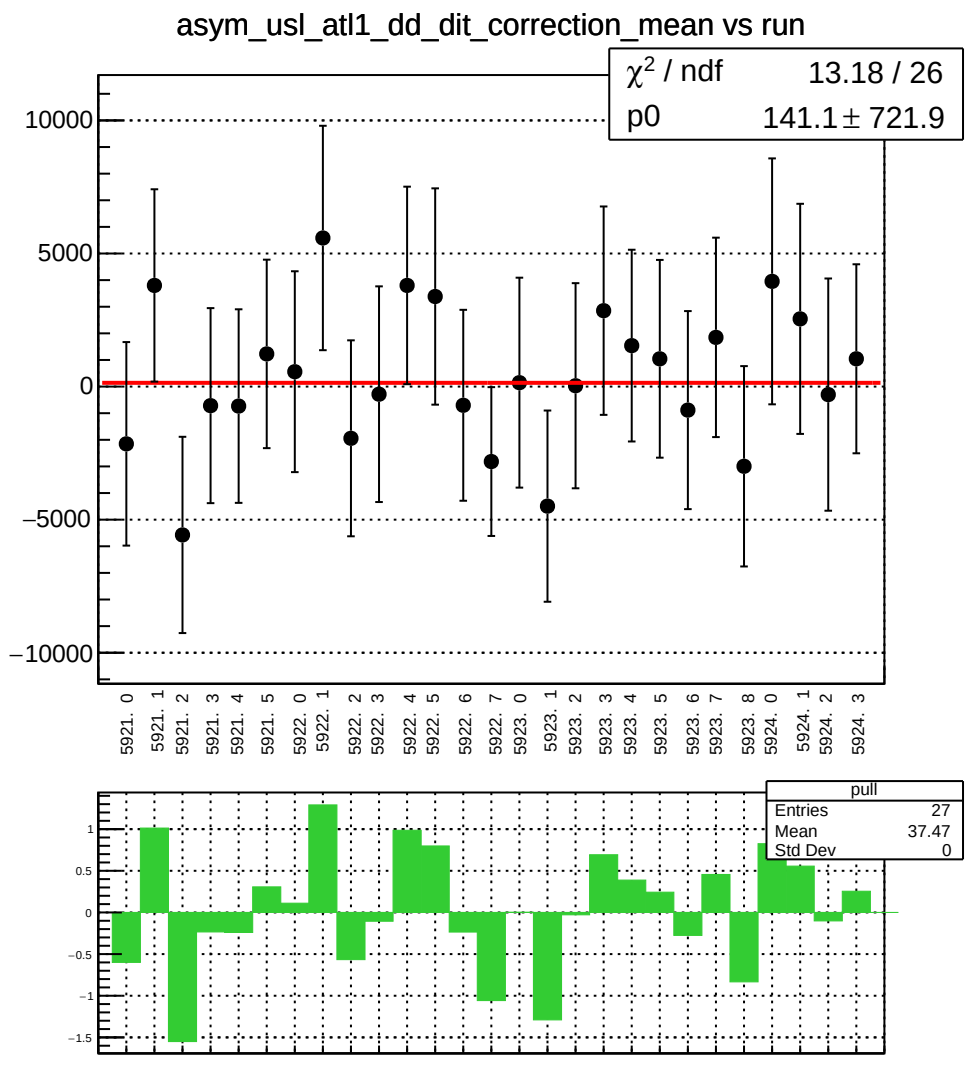

pull1D
Entries 27
Mean 0.02208
Std Dev 0.7137
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

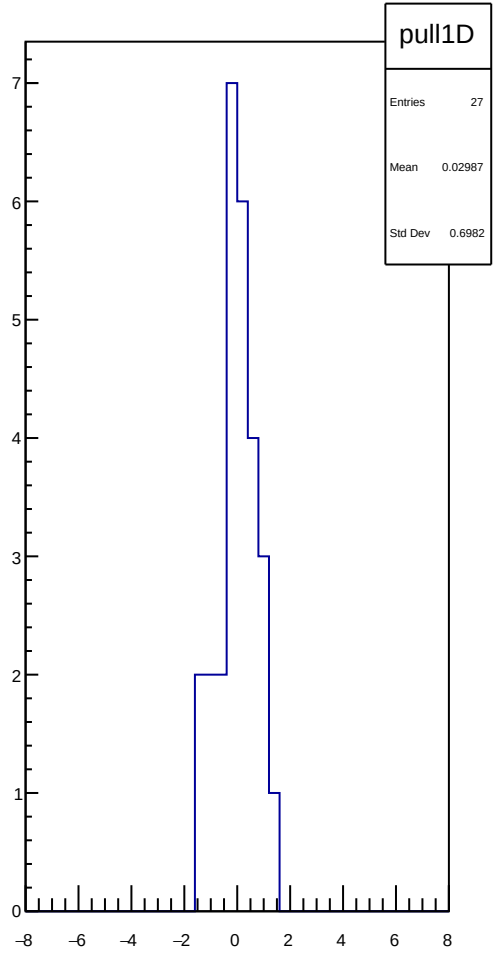

asym_usl_atl1_dd_eigen_cor_correction_rms vs run
χ² / ndf 2365 / 26
p0 368.7 ± 0.5139
420
400
380
360
340
320
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

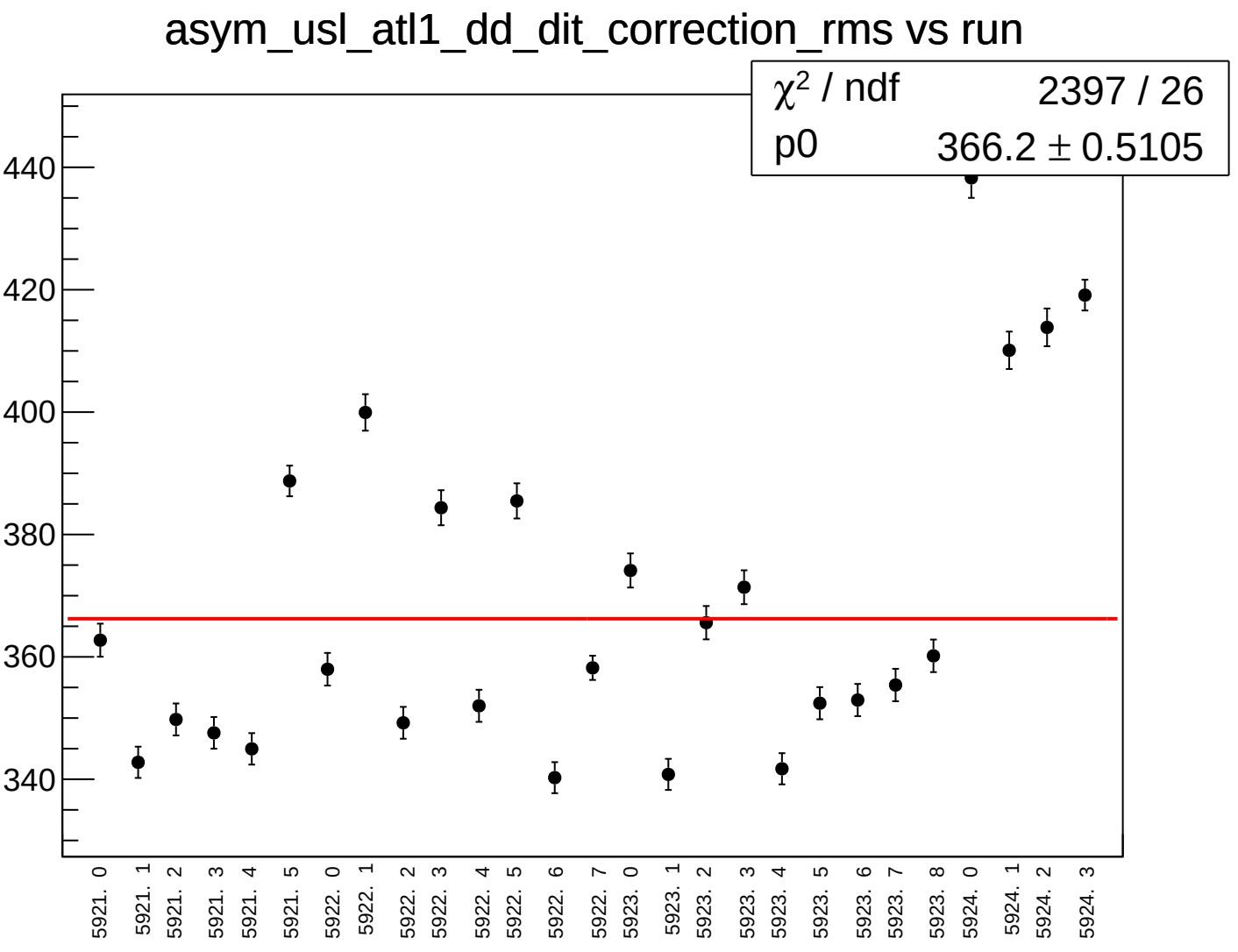

dit_asym_usl_atl1_dd_mean vs run
χ² / ndf 20.38 / 26
p0 −3.356 ± 2410
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −236.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

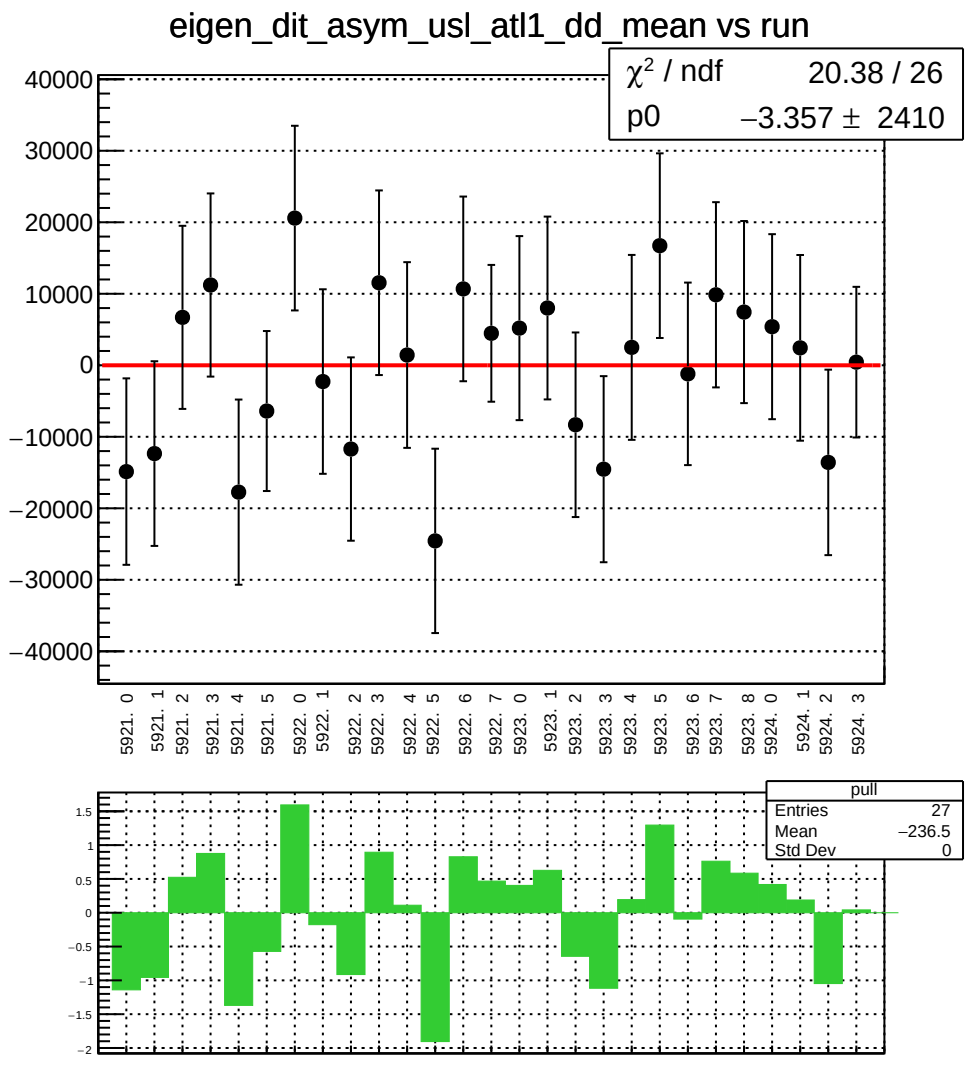

pull1D
Entries 27
Mean −0.004613
Std Dev 0.8689
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

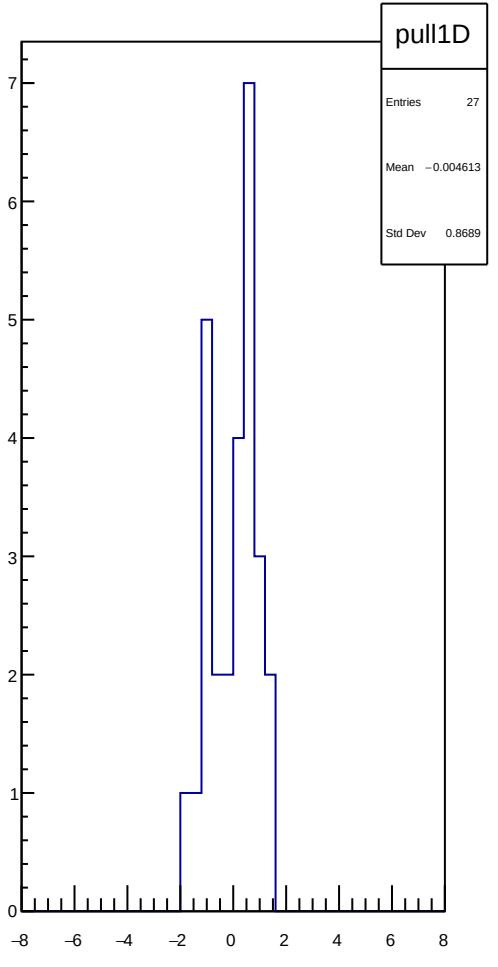

dit_asym_usl_atl1_dd_rms vs run
χ² / ndf 19.28 / 26
p0 1225 ± 1.704
1250
1240
1230
1220
1210
1200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

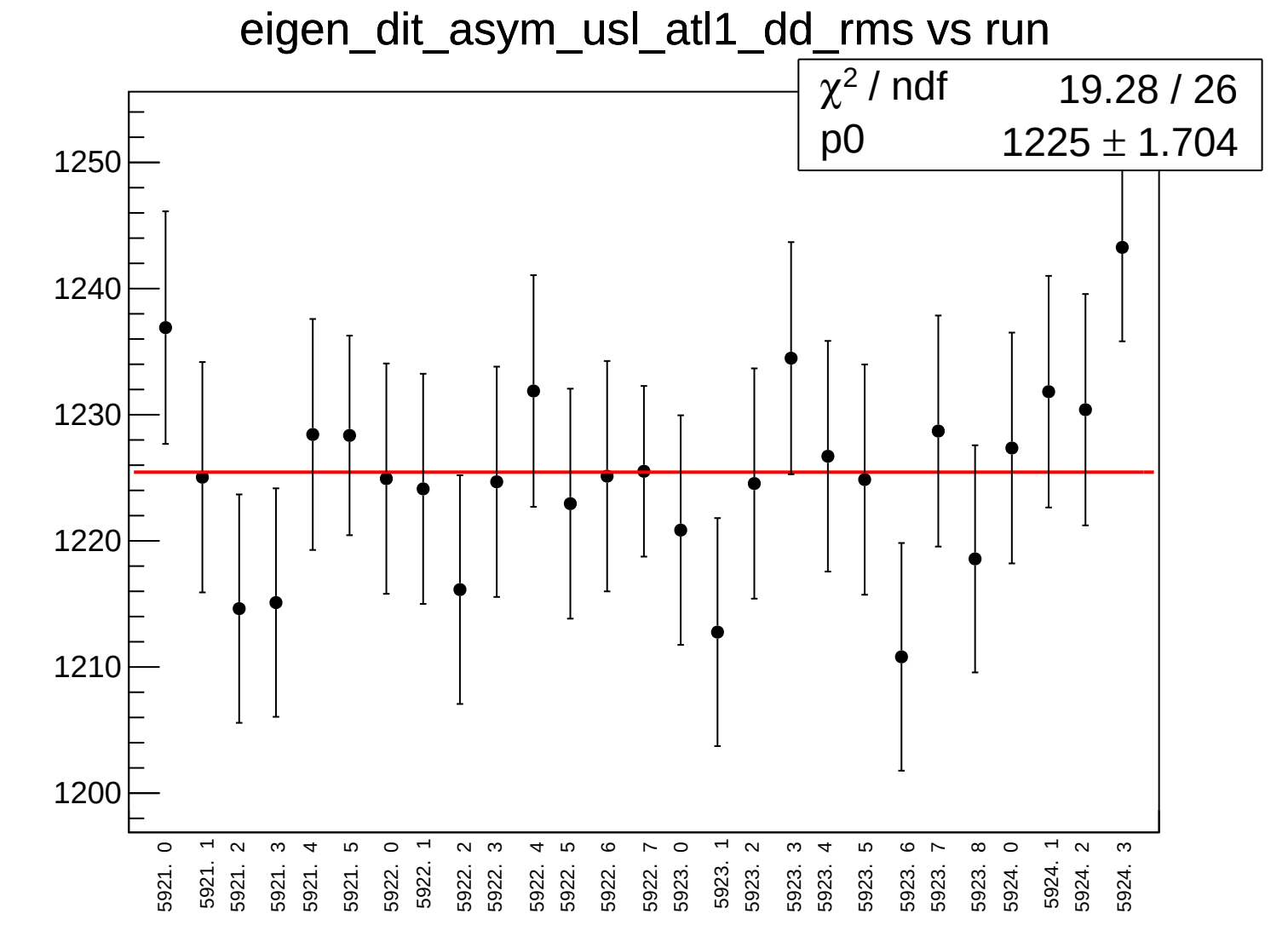

asym_usl_atl1_dd_dit_correction_mean vs run
χ² / ndf 13.18 / 26
p0 141.1 ± 721.9
10000
5000
0
−5000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 37.47
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

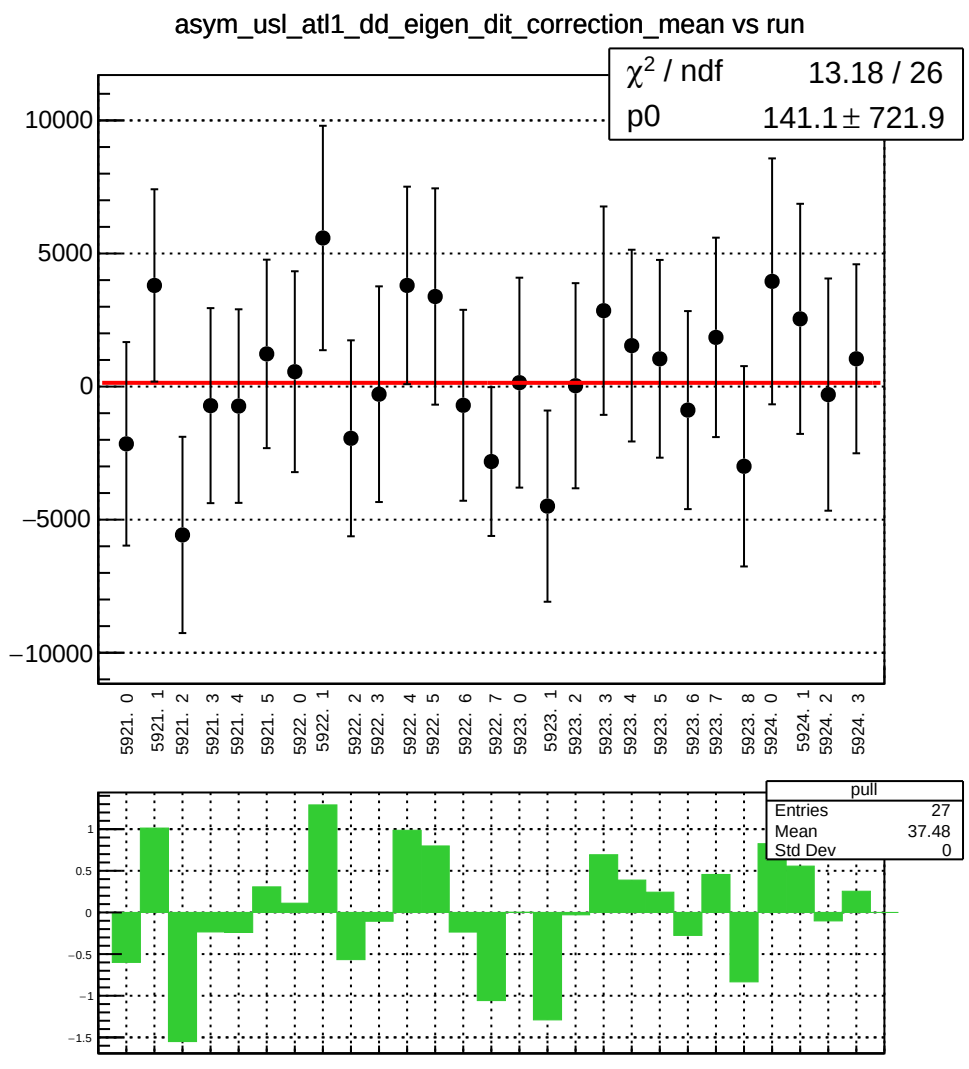

pull1D
Entries 27
Mean 0.02987
Std Dev 0.6982
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

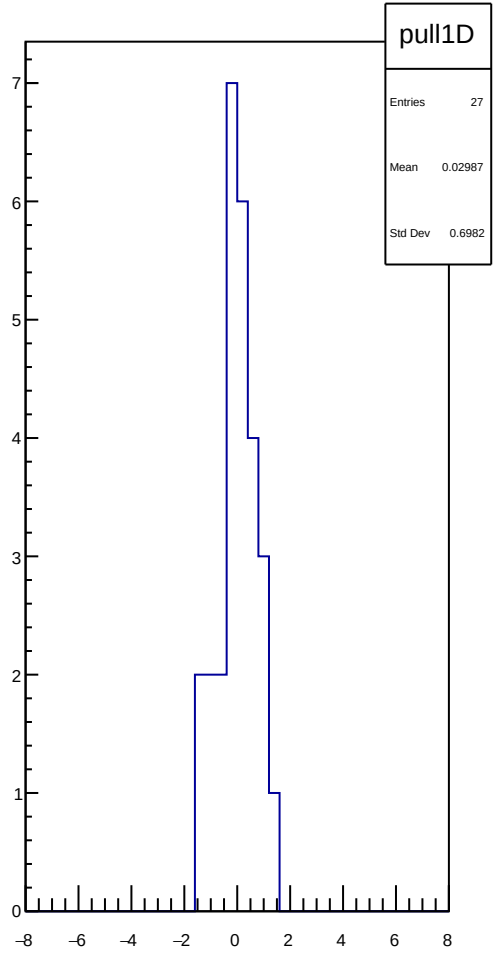

asym_usl_atl1_dd_dit_correction_rms vs run
χ² / ndf 2397 / 26
p0 366.2 ± 0.5105
440
420
400
380
360
340
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

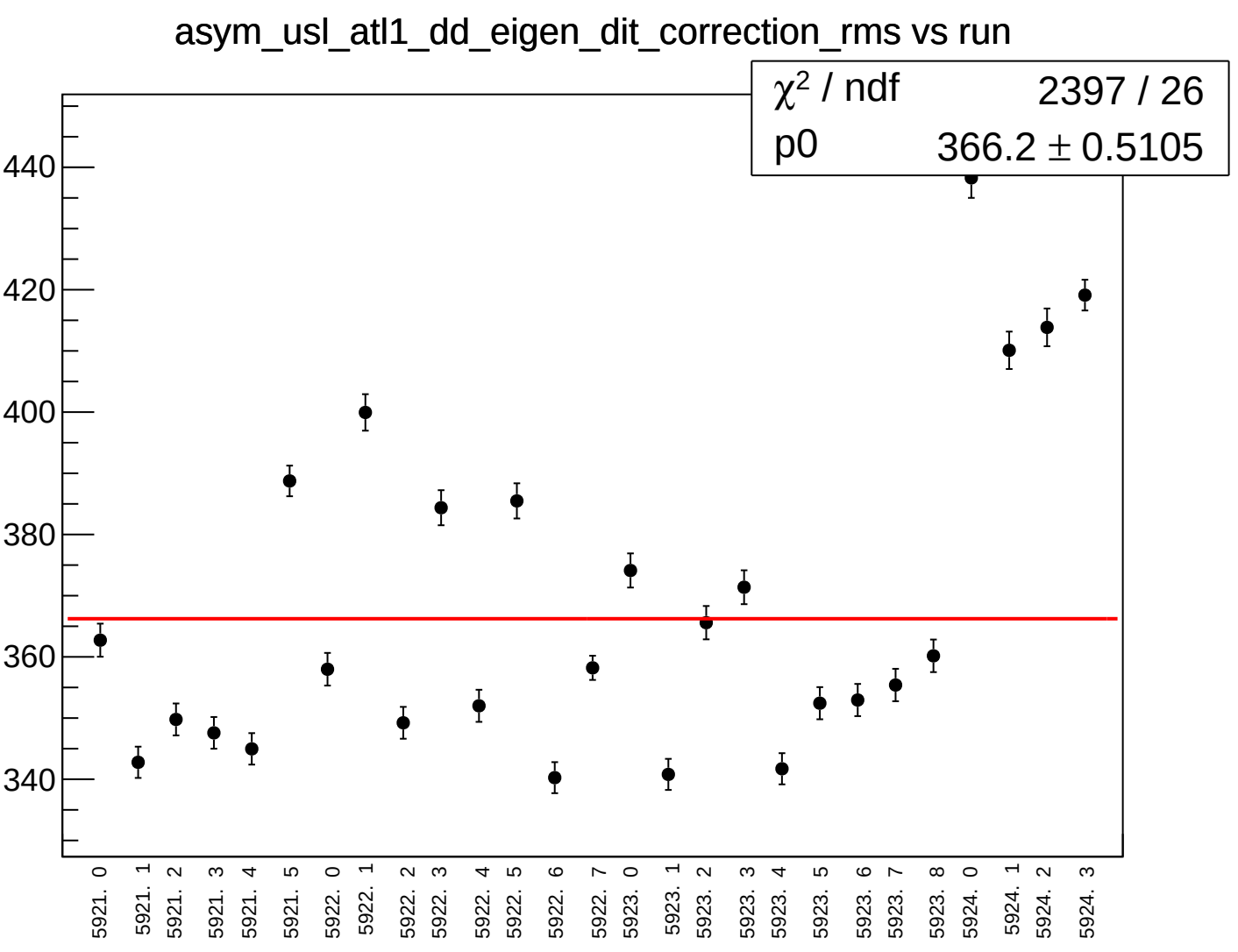

eigen_dit_asym_usl_atl1_dd_mean vs run
χ² / ndf 20.38 / 26
p0 −3.357 ± 2410
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −236.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

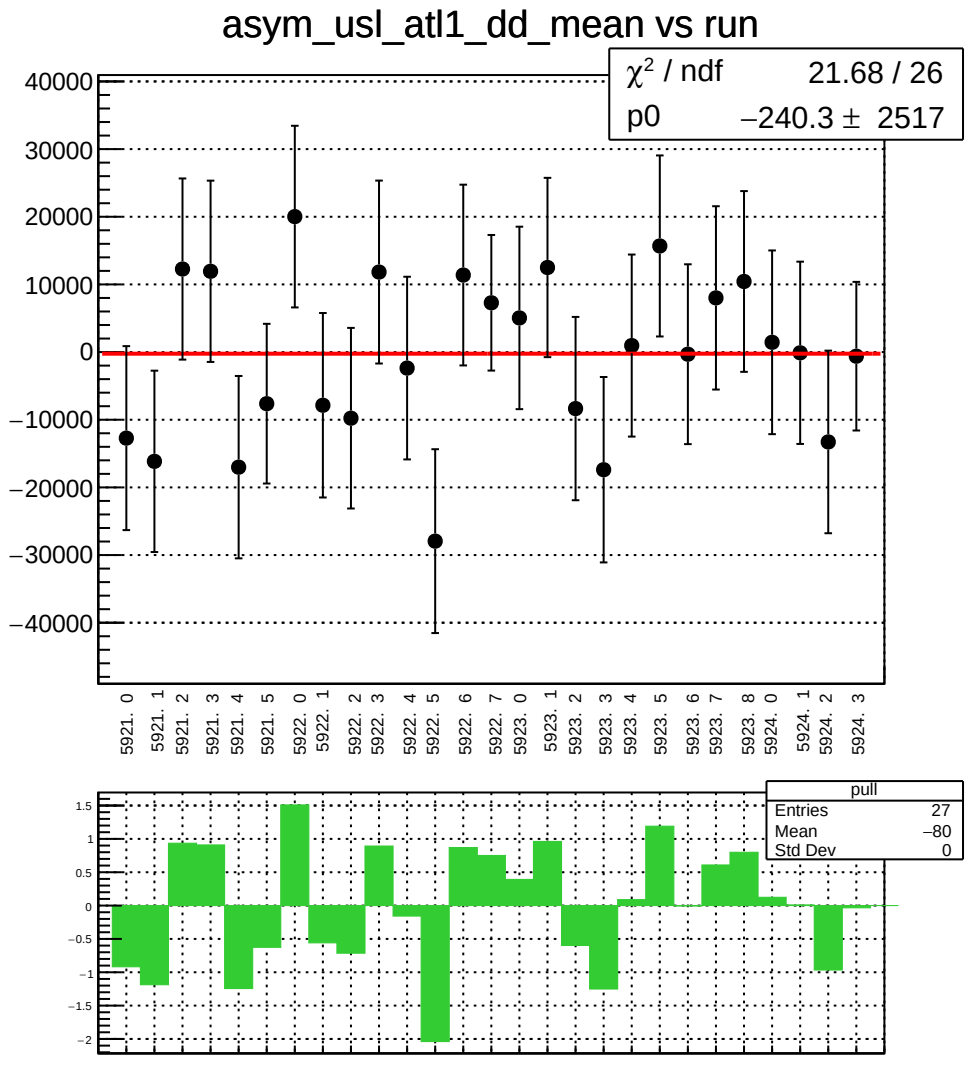

pull1D
Entries 27
Mean −0.004613
Std Dev 0.8689
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

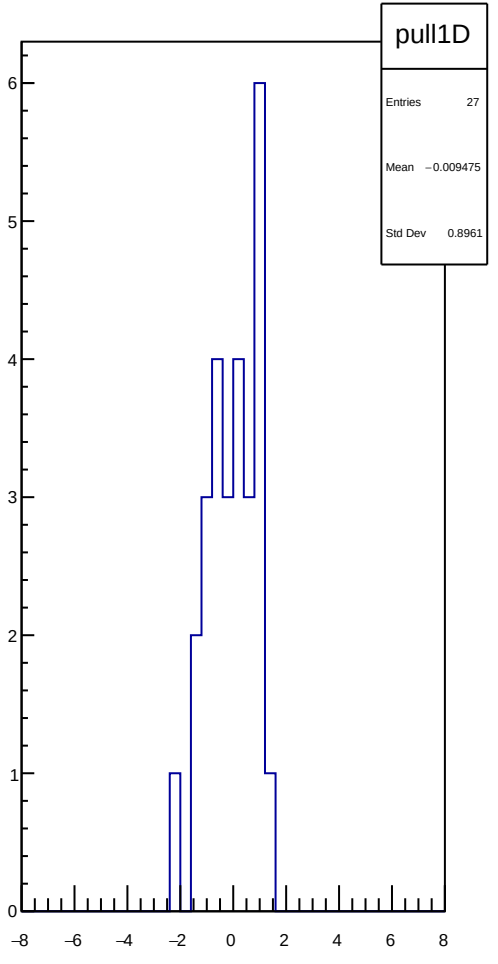

eigen_dit_asym_usl_atl1_dd_rms vs run
χ² / ndf 19.28 / 26
p0 1225 ± 1.704
1250
1240
1230
1220
1210
1200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

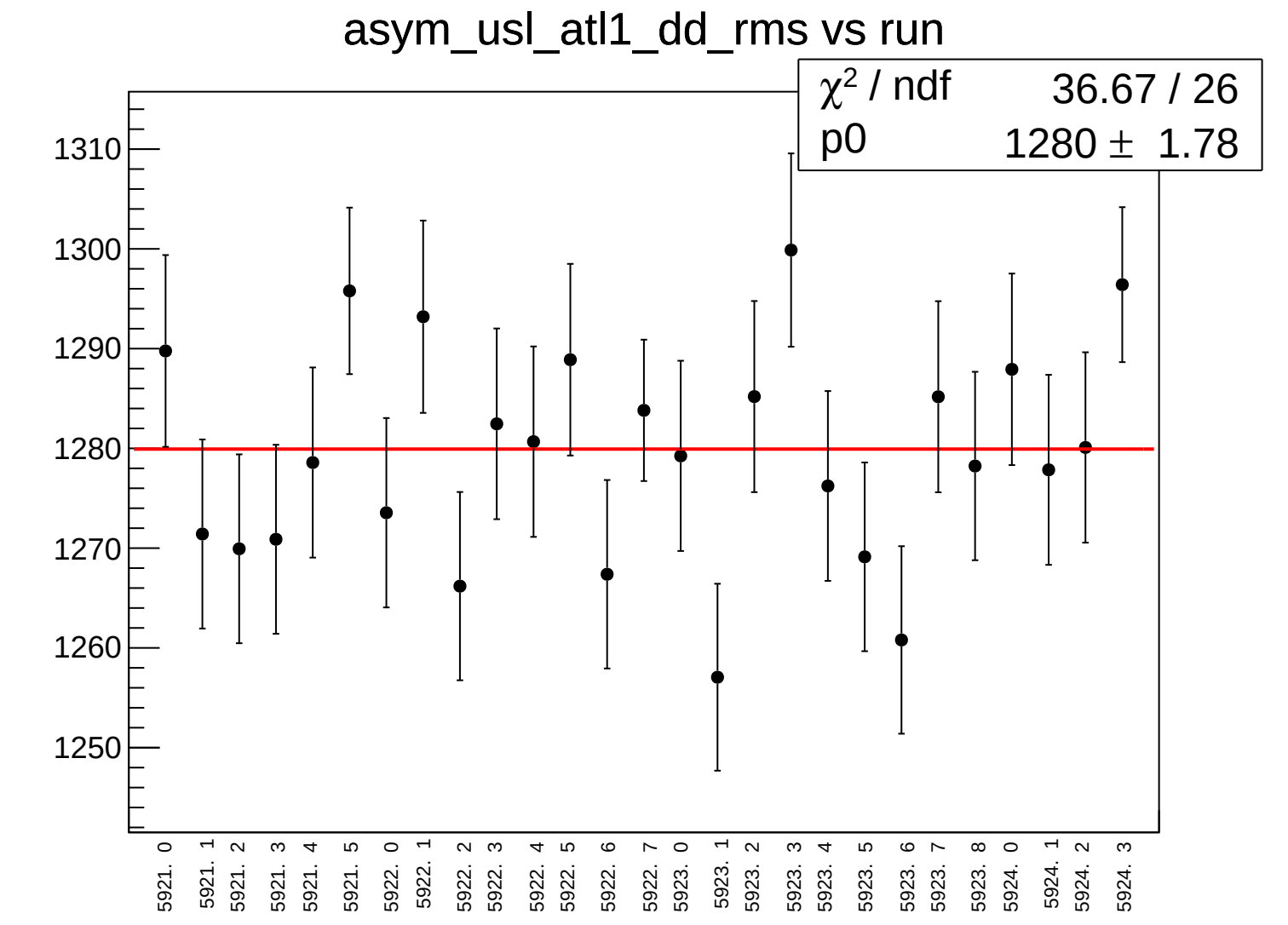

asym_usl_atl1_dd_eigen_dit_correction_mean vs run
χ² / ndf 13.18 / 26
p0 141.1 ± 721.9
10000
5000
0
−5000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 37.48
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

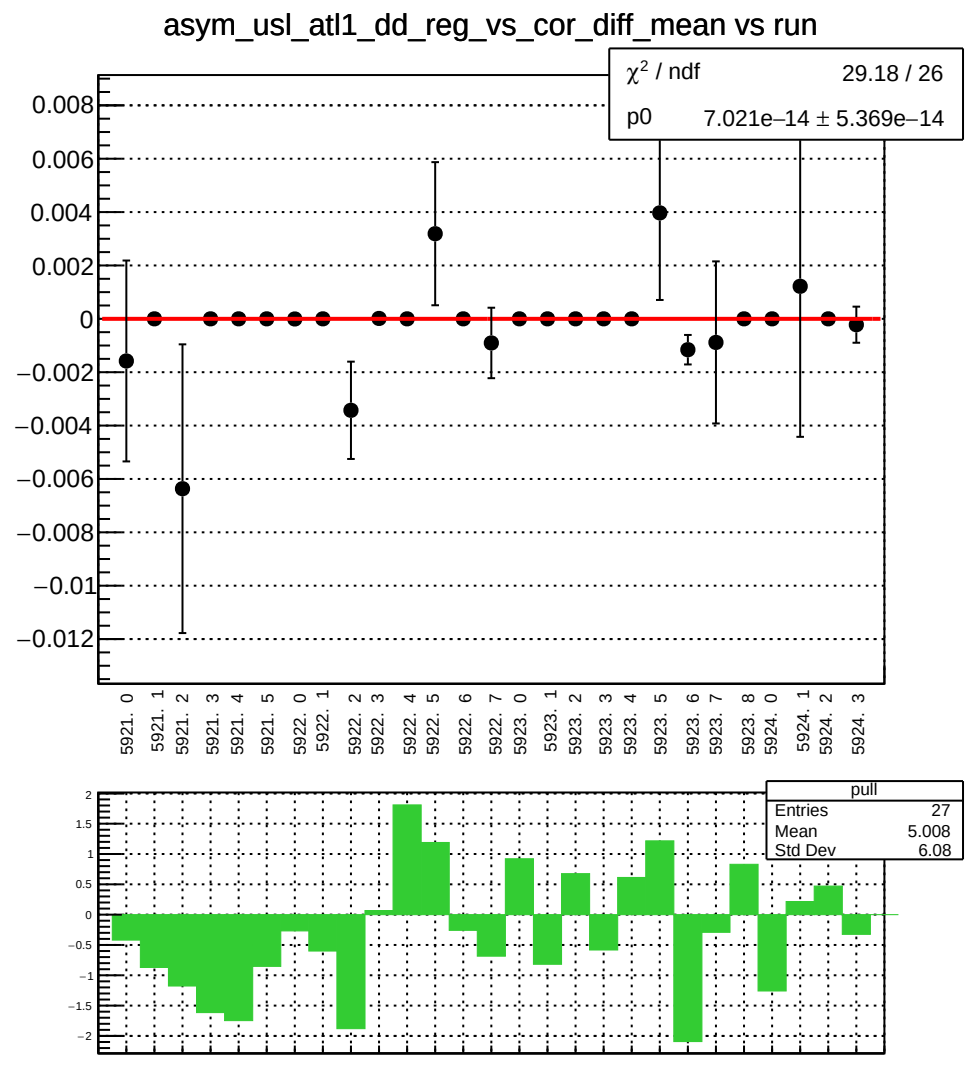

pull1D
Entries 27
Mean 0.02987
Std Dev 0.6982
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

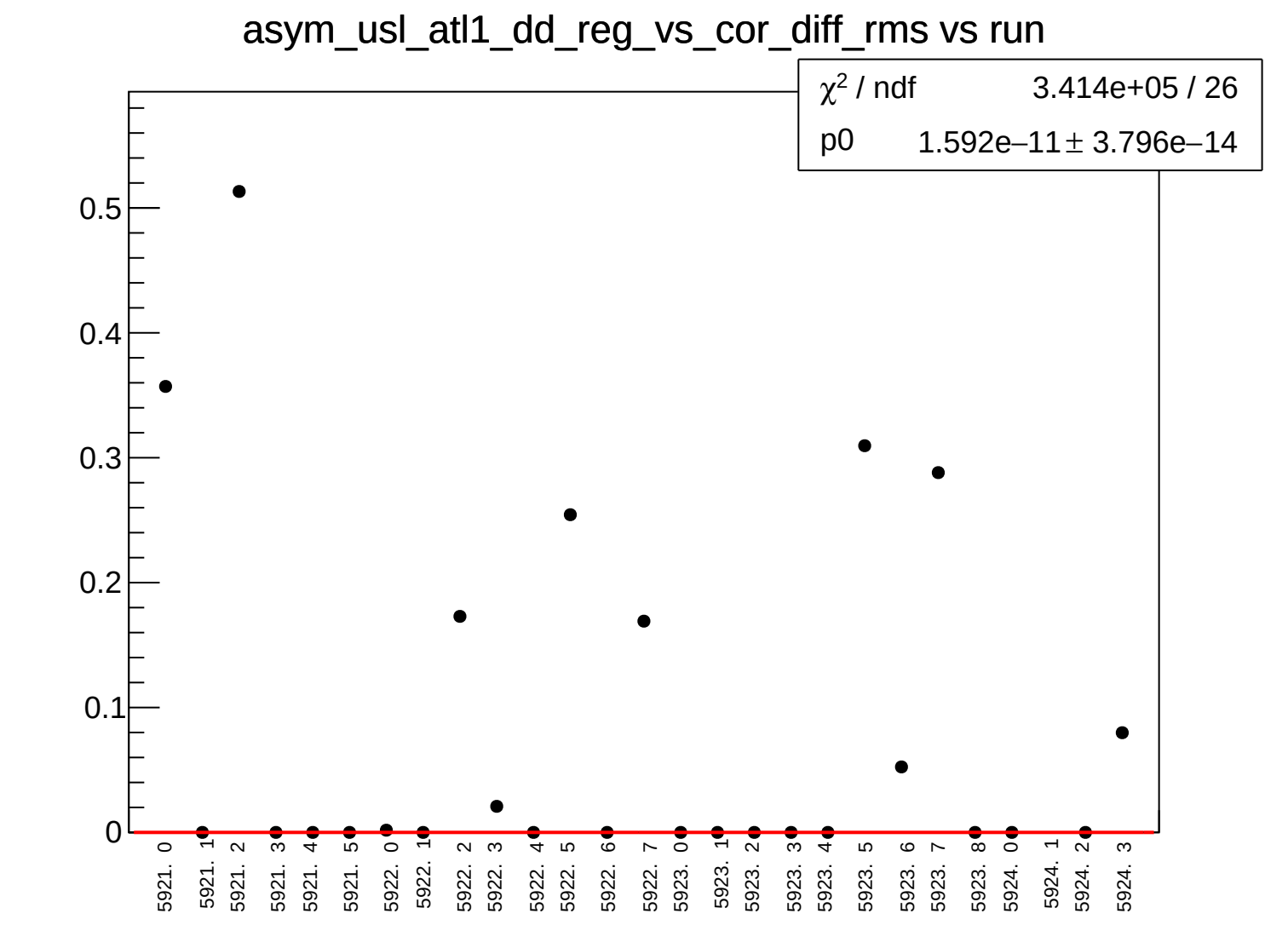

asym_usl_atl1_dd_eigen_dit_correction_rms vs run
χ² / ndf 2397 / 26
p0 366.2 ± 0.5105
440
420
400
380
360
340
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

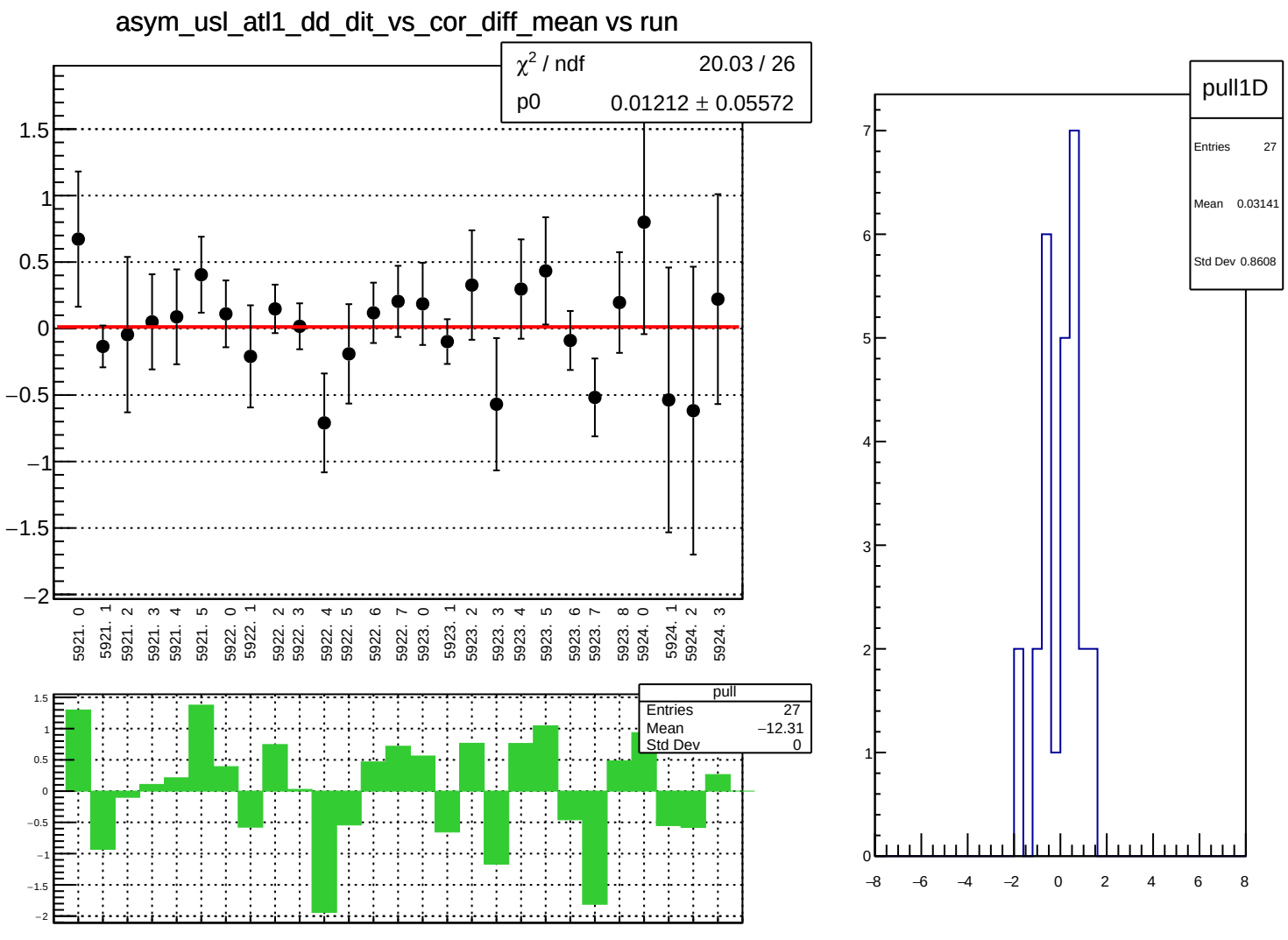

asym_usl_atl1_dd_mean vs run
χ² / ndf 21.68 / 26
p0 −240.3 ± 2517
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −80
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

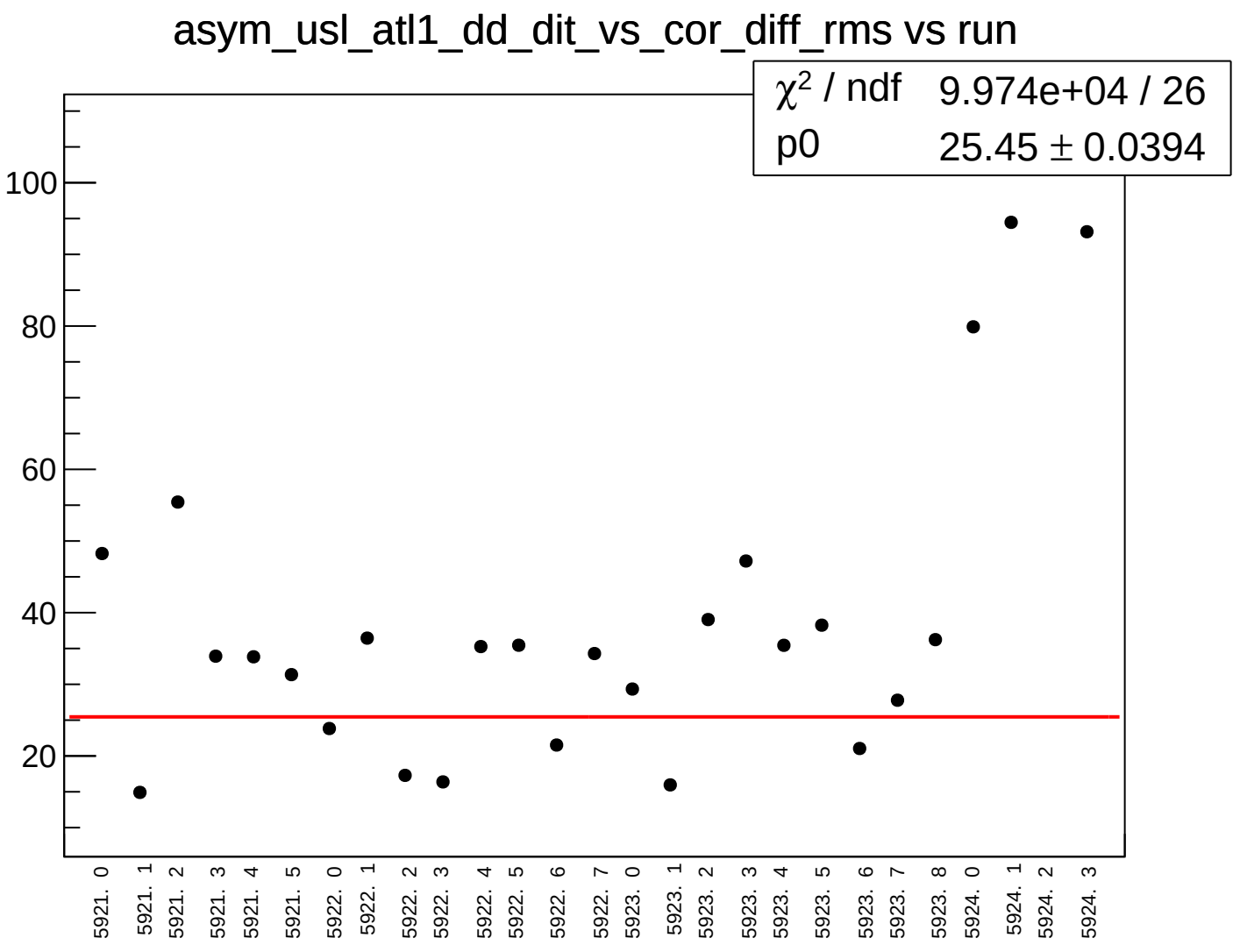

pull1D
Entries 27
Mean −0.009475
Std Dev 0.8961
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

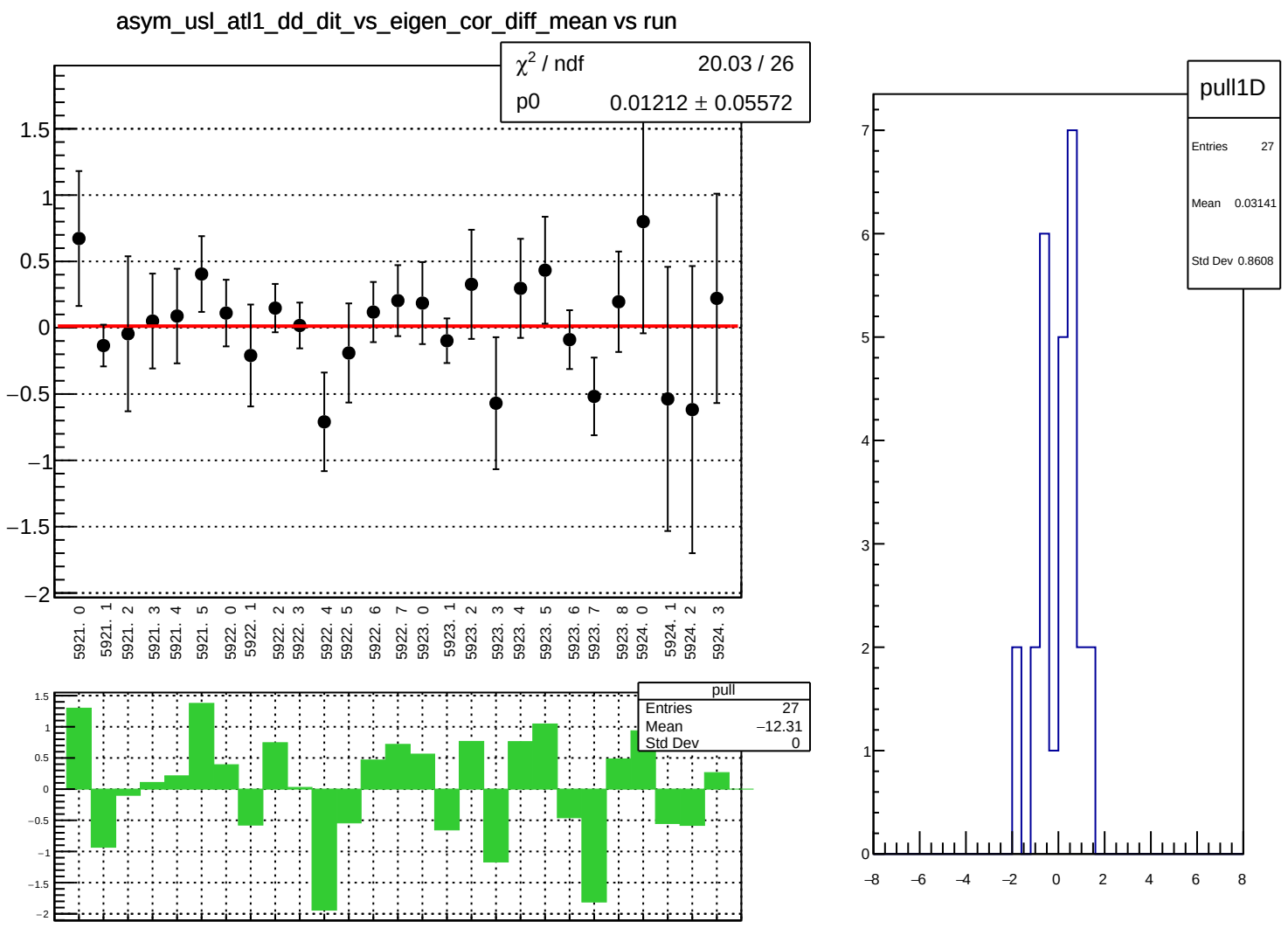

asym_usl_atl1_dd_rms vs run
χ² / ndf 36.67 / 26
p0 1280 ± 1.78
1310
1300
1290
1280
1270
1260
1250
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

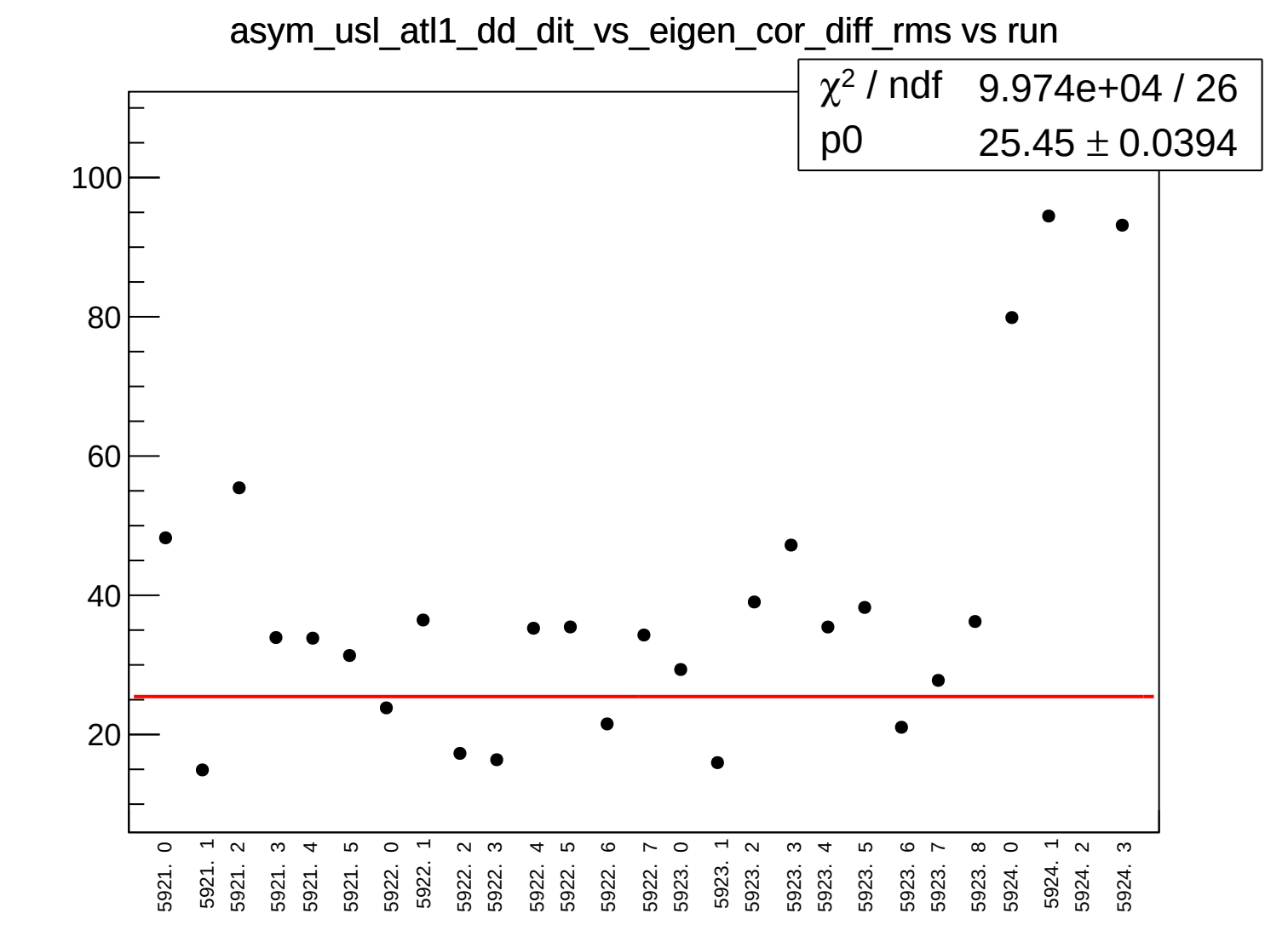

asym_usl_atl1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 29.18 / 26
p0 7.021e−14 ± 5.369e−14
0.008
0.006
0.004
0.002
0
−0.002
−0.004
−0.006
−0.008
−0.01
−0.012
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 5.008
Std Dev 6.08
pull1D
Entries 27
Mean −0.2863
Std Dev 0.9995

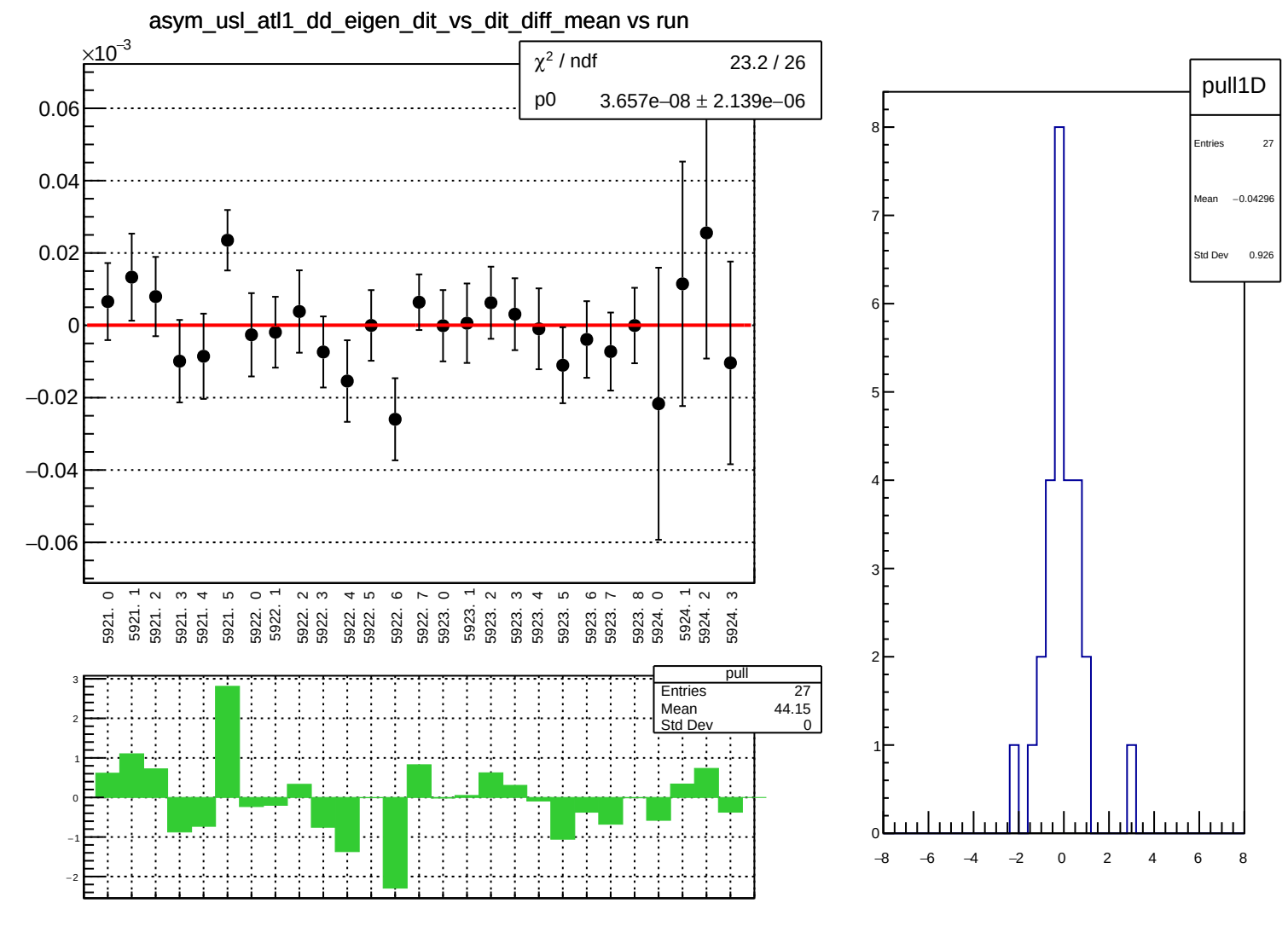

asym_usl_atl1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.414e+05 / 26
p0 1.592e−11 ± 3.796e−14
0.5
0.4
0.3
0.2
0.1
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

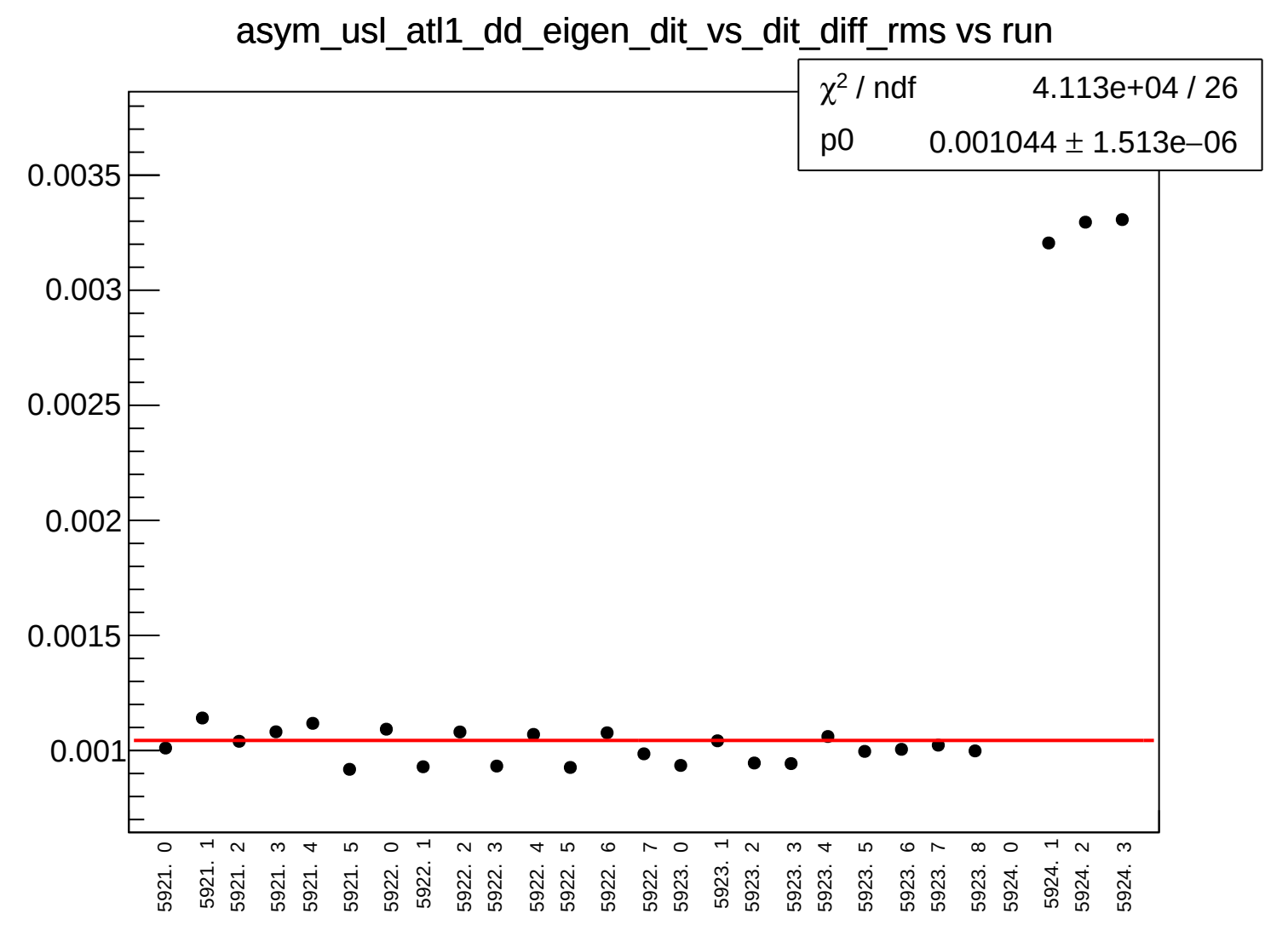

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 20.03 / 26
p0 0.01212 ± 0.05572
pull
Entries 27
Mean −12.31
Std Dev 0
pull1D
Entries 27
Mean 0.03141
Std Dev 0.8608

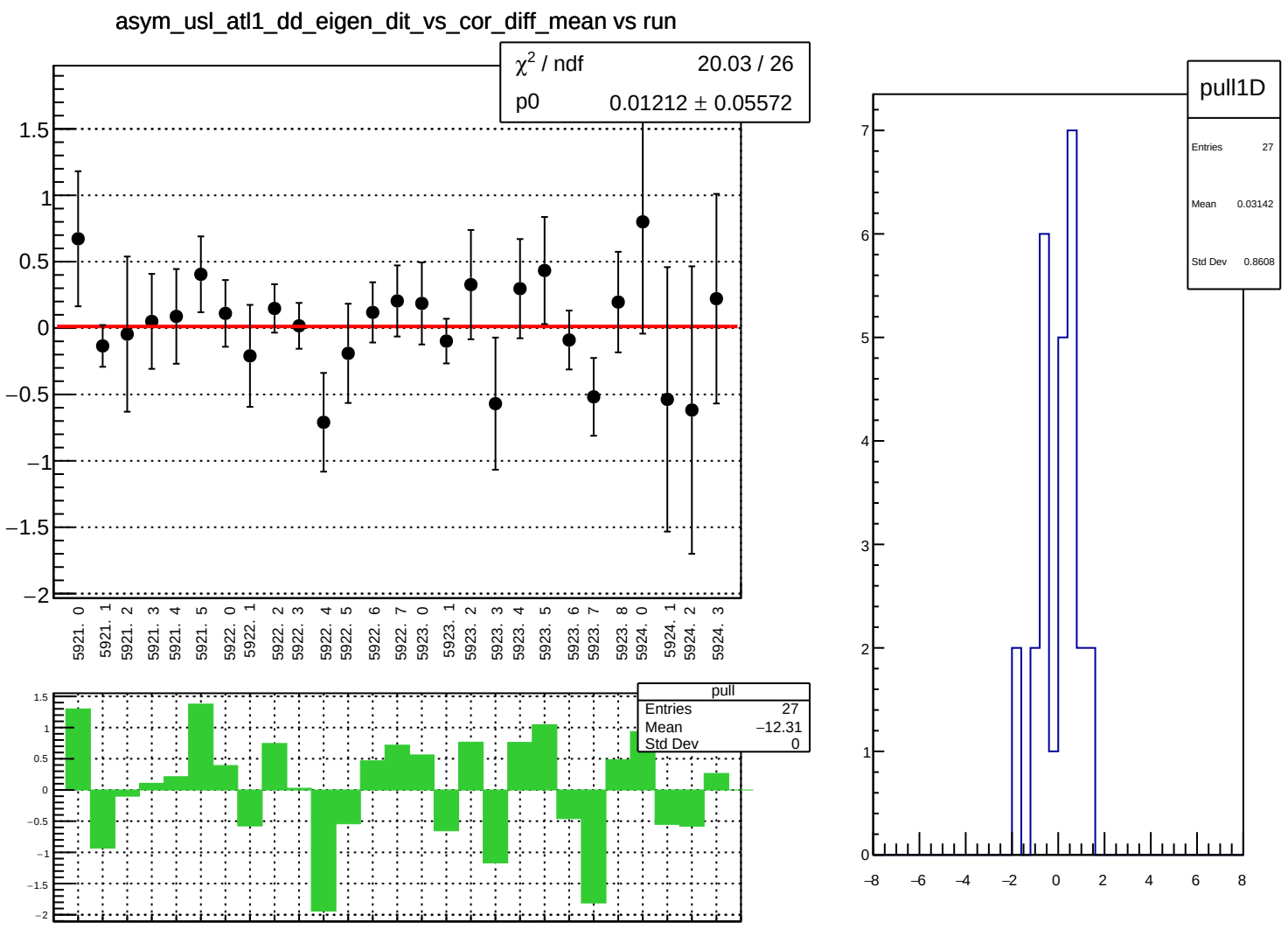

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 9.974e+04 / 26
p0 25.45 ± 0.0394
100
80
60
40
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

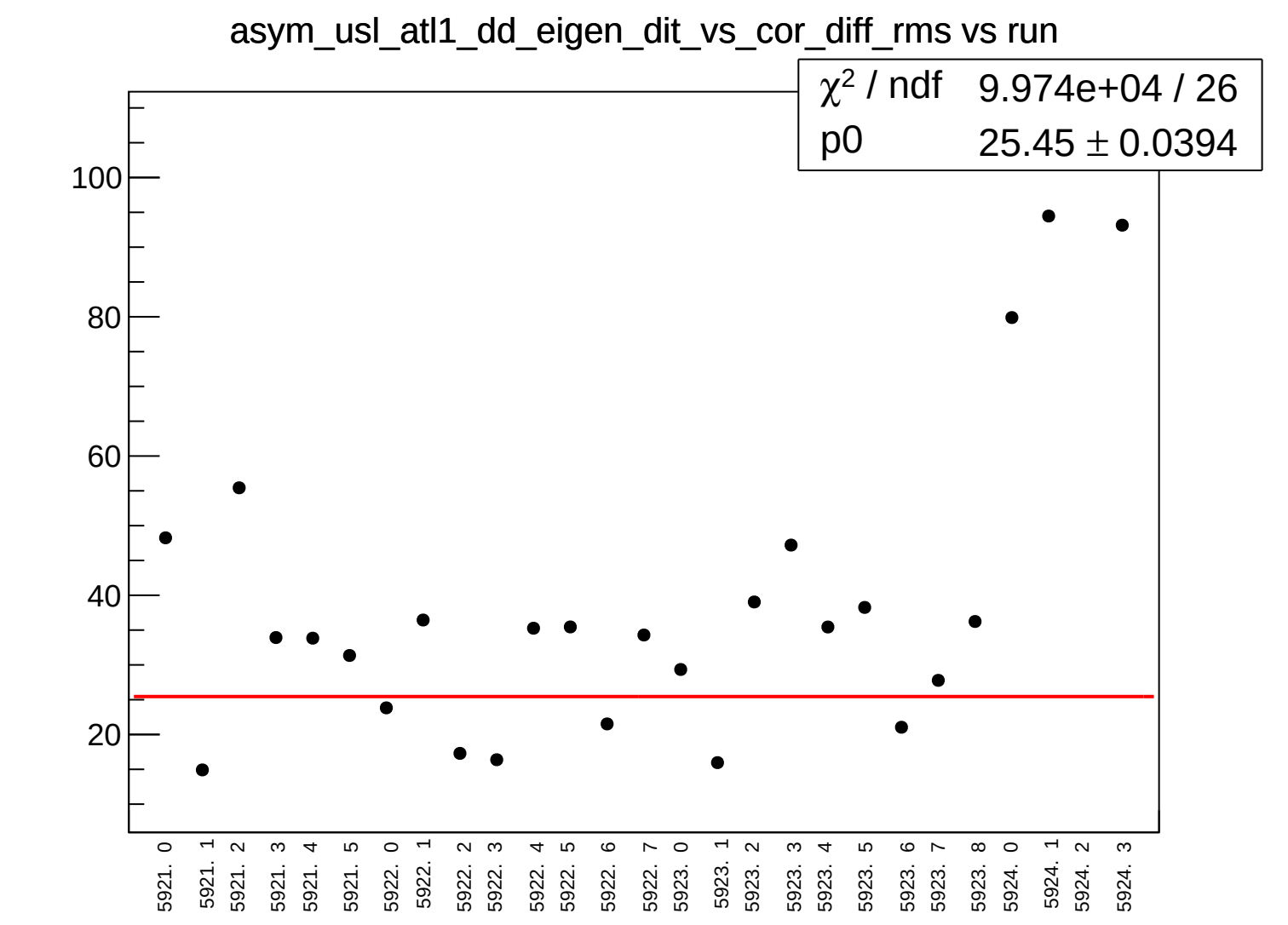

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 20.03 / 26
p0 0.01212 ± 0.05572
pull
Entries 27
Mean −12.31
Std Dev 0
pull1D
Entries 27
Mean 0.03141
Std Dev 0.8608

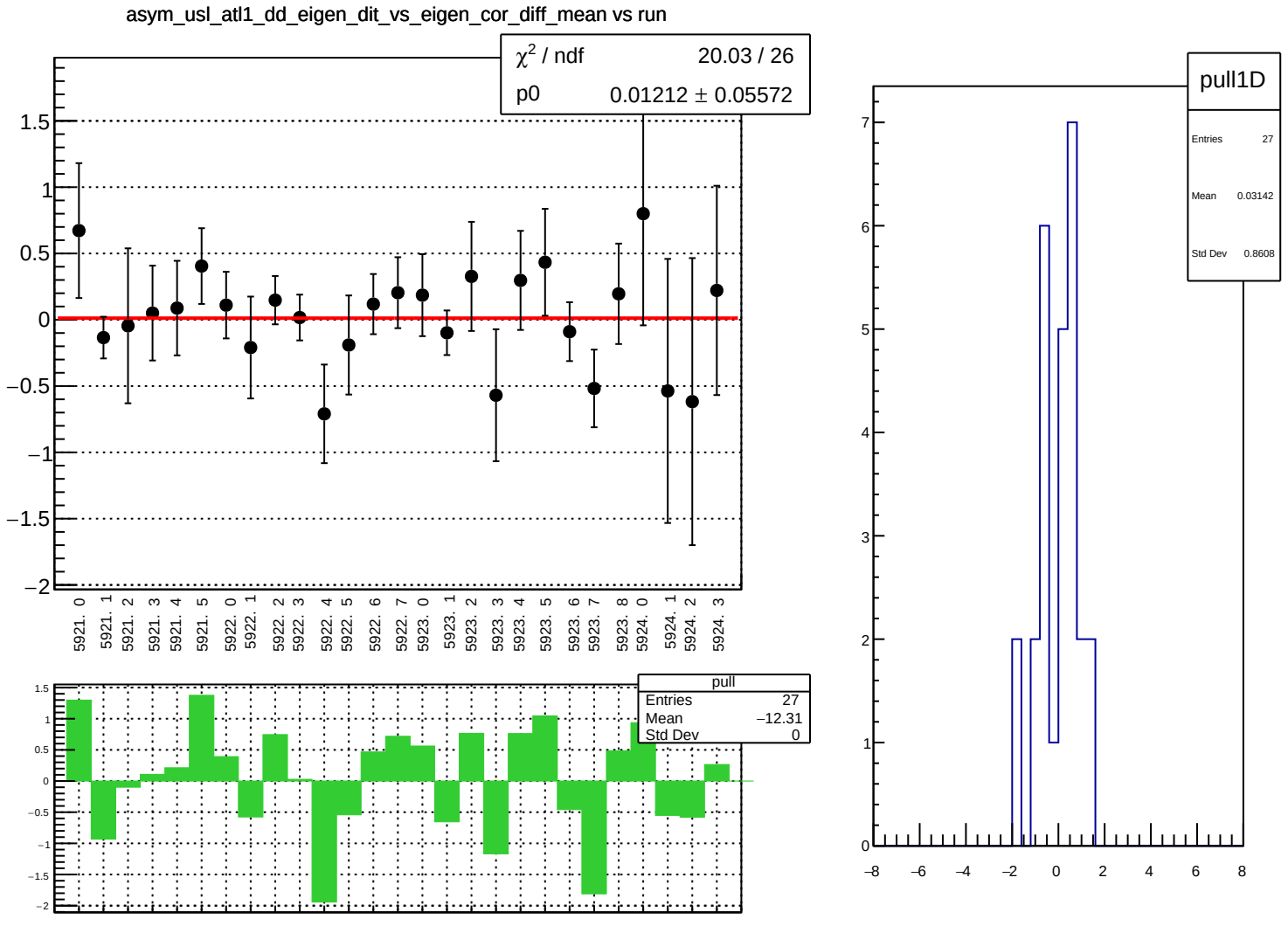

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.974e+04 / 26
p0 25.45 ± 0.0394
100
80
60
40
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

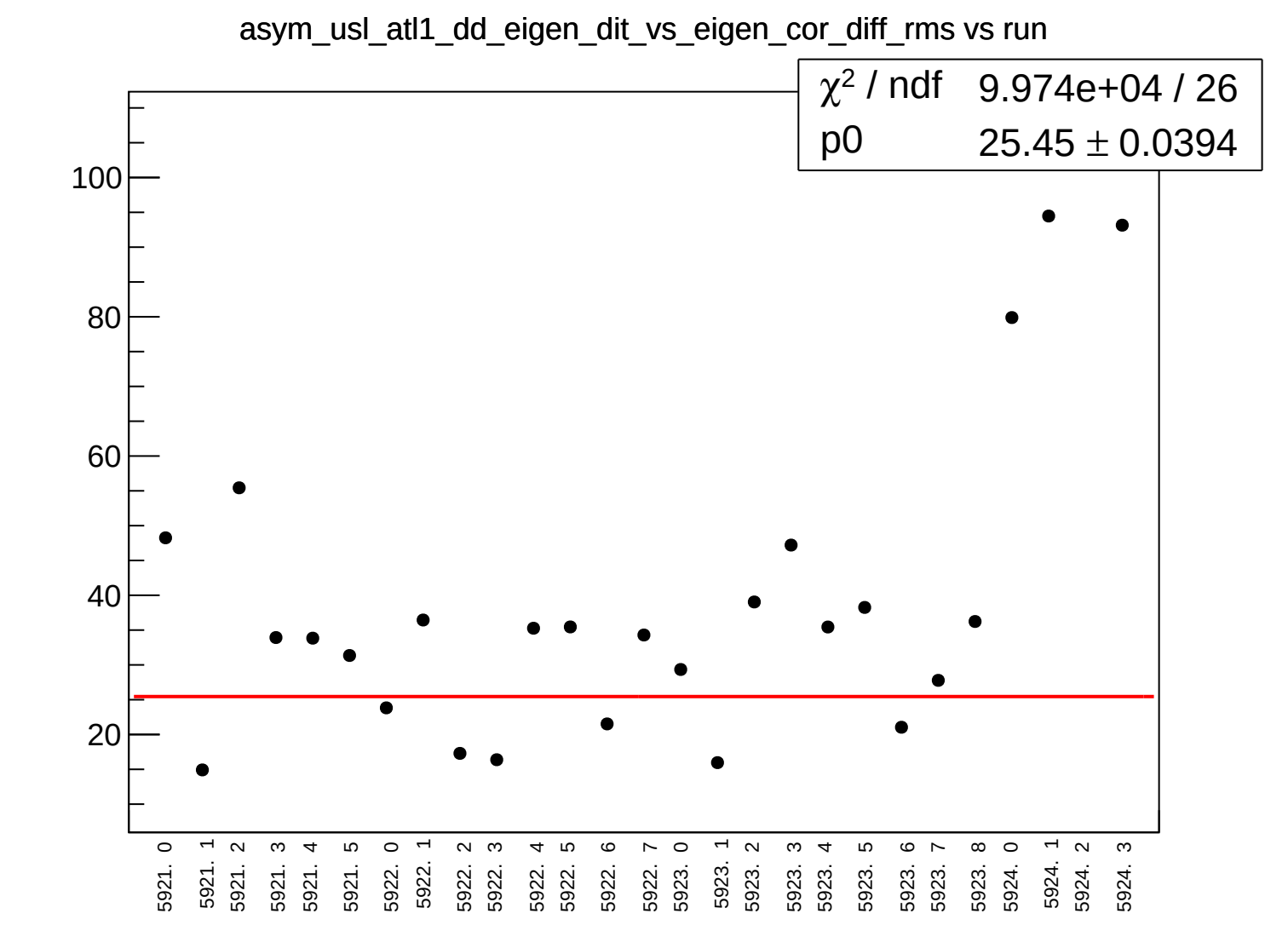

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 23.2 / 26
p0 3.657e−08 ± 2.139e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 44.15
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 27
Mean −0.04296
Std Dev 0.926
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

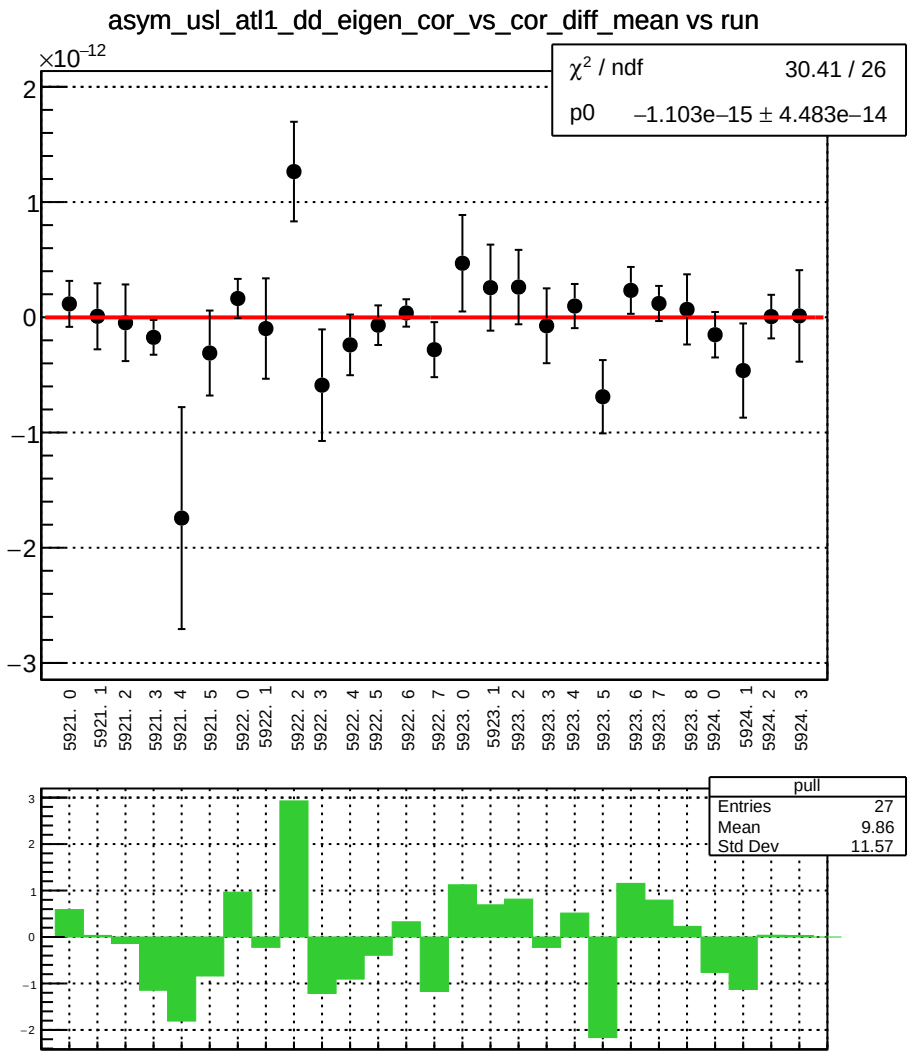

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.113e+04 / 26
p0 0.001044 ± 1.513e−06
0.0035
0.003
0.0025
0.002
0.0015
0.001
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

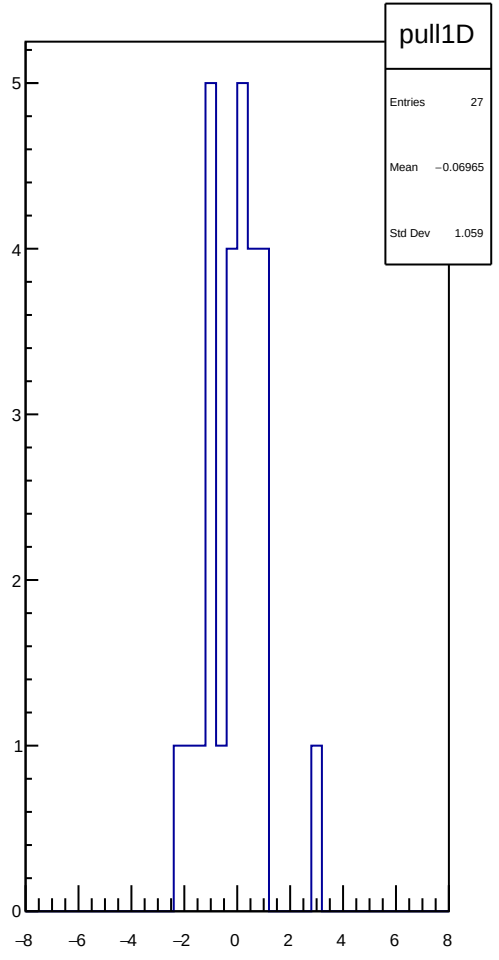

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 20.03 / 26
p0 0.01212 ± 0.05572
pull
Entries 27
Mean −12.31
Std Dev 0
pull1D
Entries 27
Mean 0.03142
Std Dev 0.8608

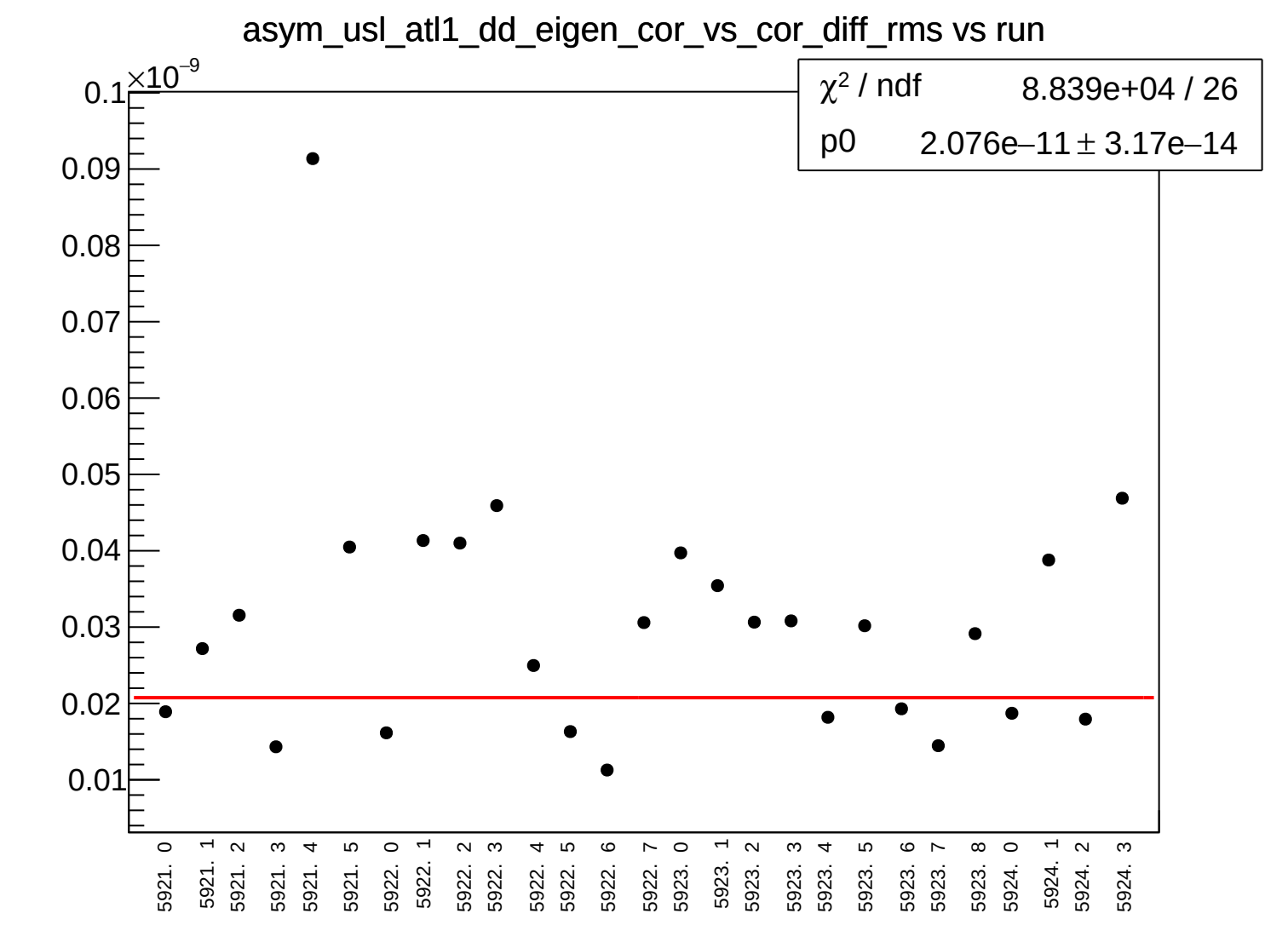

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.974e+04 / 26
p0 25.45 ± 0.0394
100
80
60
40
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

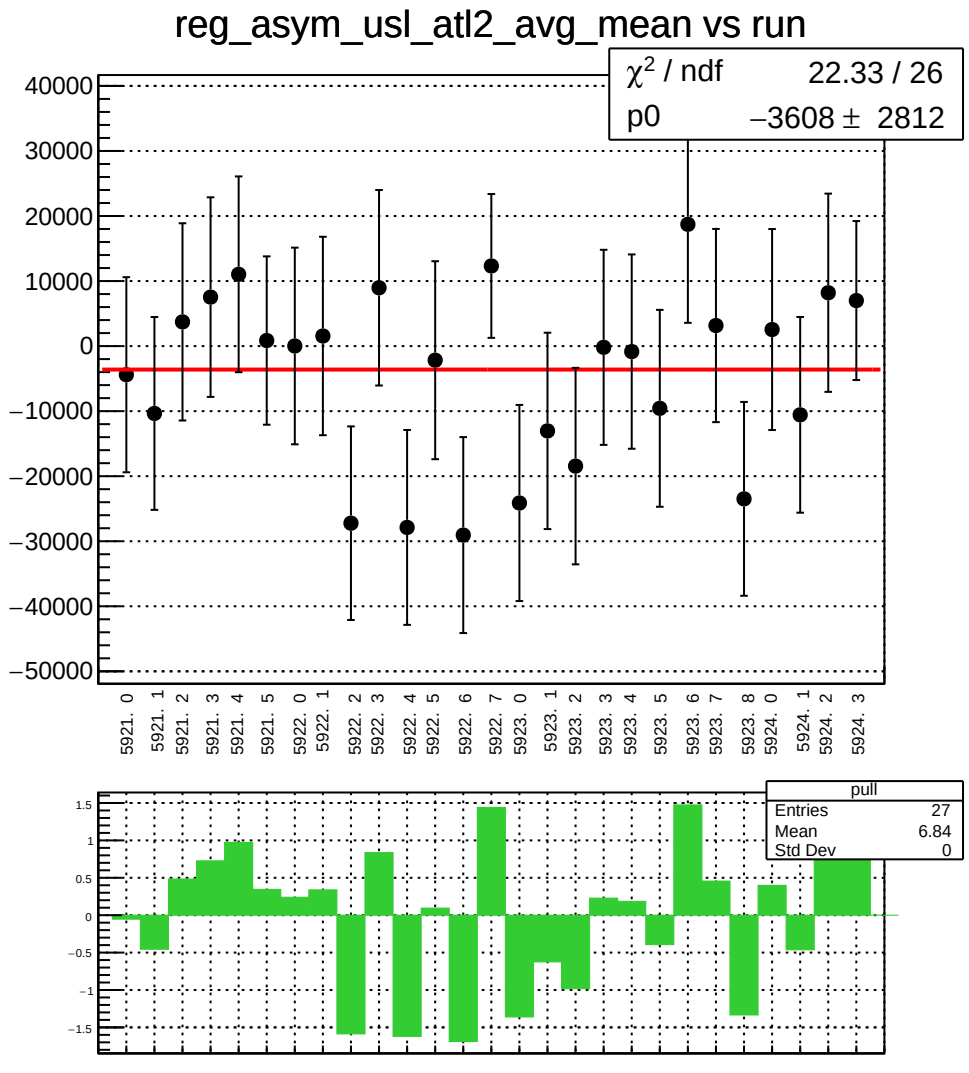

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 20.03 / 26
p0 0.01212 ± 0.05572
pull
Entries 27
Mean −12.31
Std Dev 0
pull1D
Entries 27
Mean 0.03142
Std Dev 0.8608

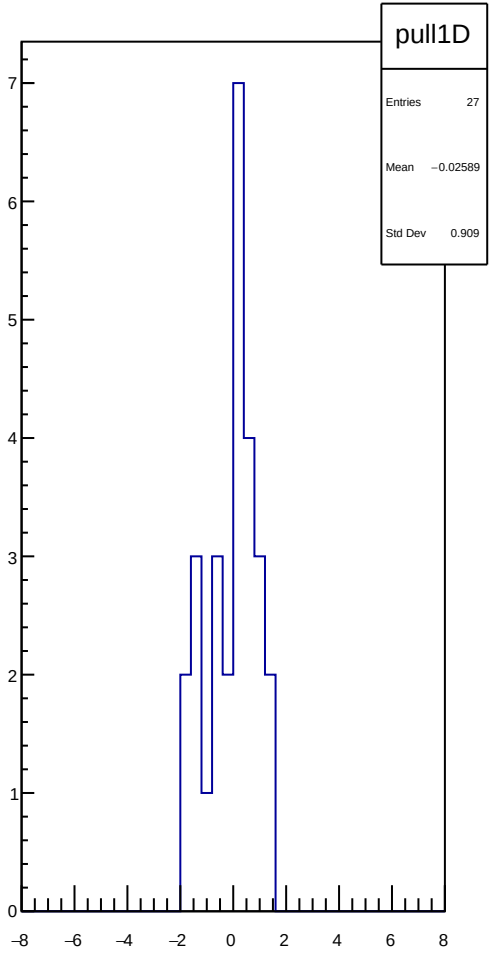

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.974e+04 / 26
p0 25.45 ± 0.0394
100
80
60
40
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

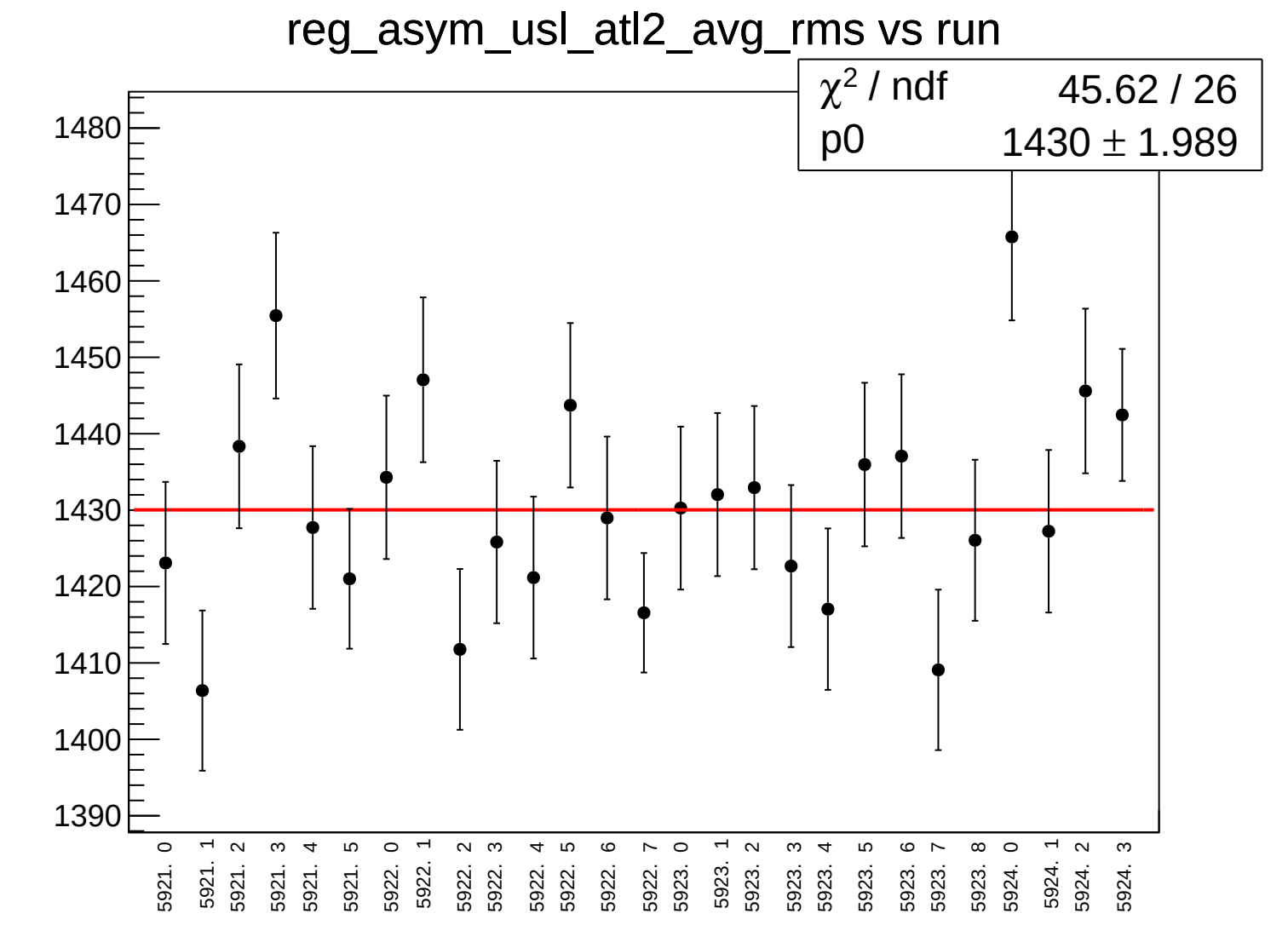

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 30.41 / 26
p0 −1.103e−15 ± 4.483e−14
pull
Entries 27
Mean 9.86
Std Dev 11.57

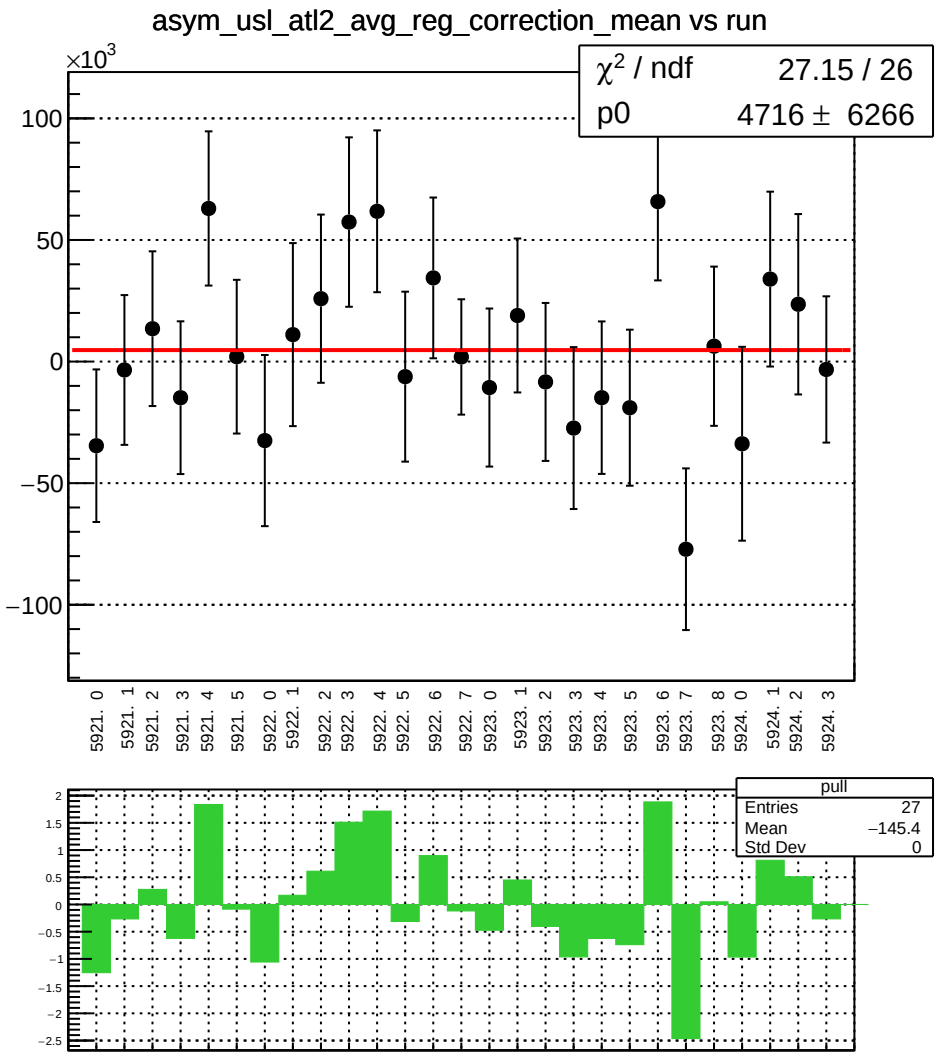

pull1D
Entries 27
Mean −0.06965
Std Dev 1.059

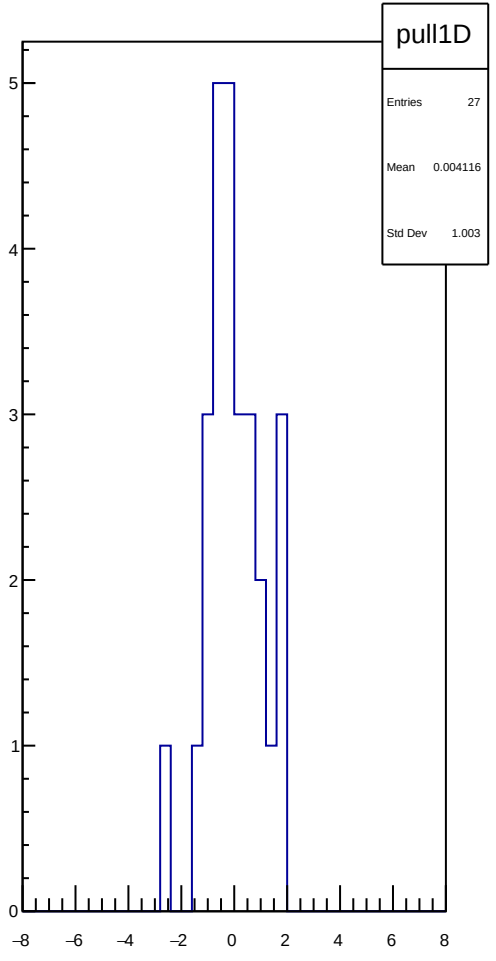

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
χ² / ndf 8.839e+04 / 26
p0 2.076e−11 ± 3.17e−14
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

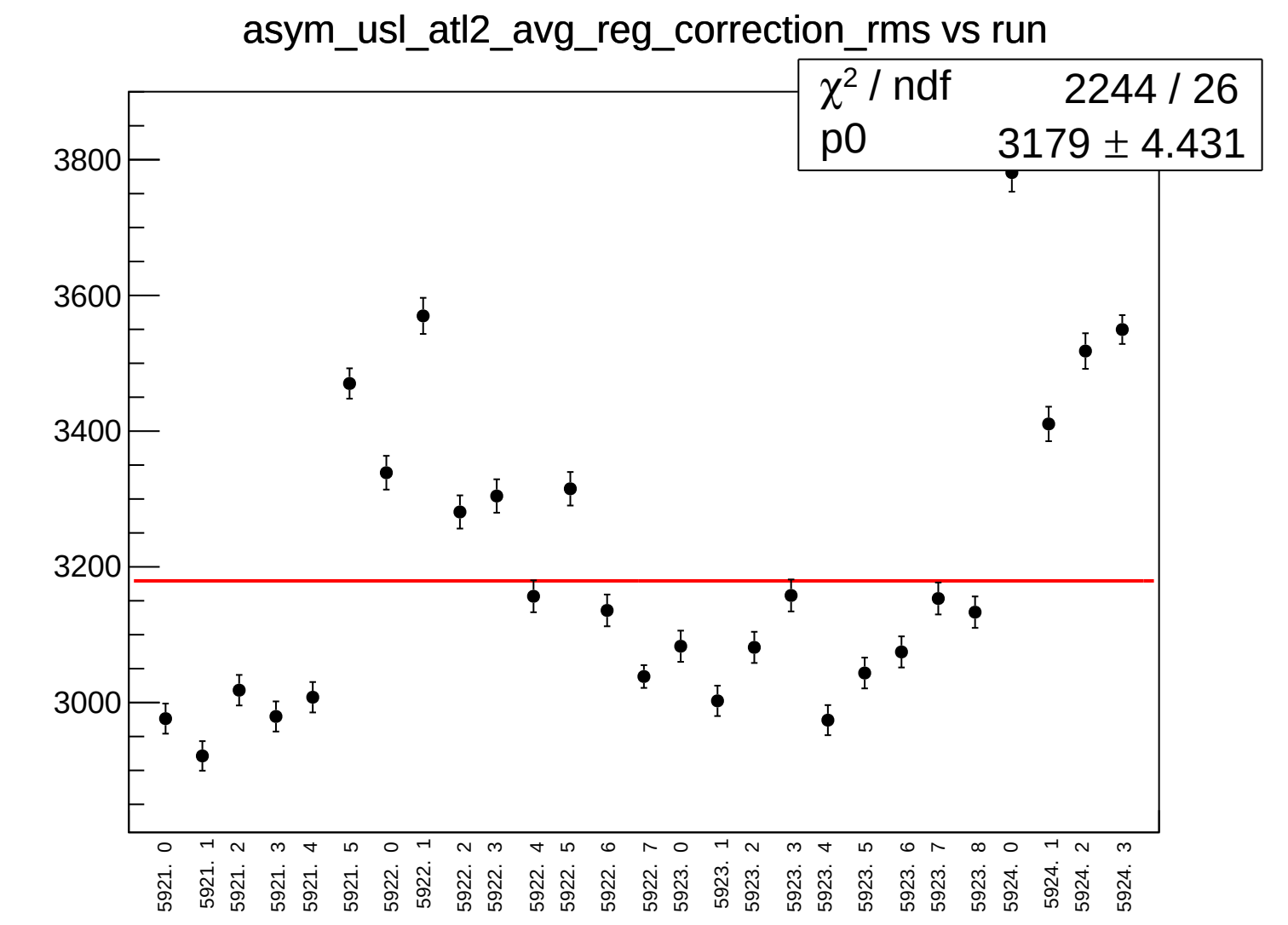

reg_asym_usl_atl2_avg_mean vs run
χ² / ndf 22.33 / 26
p0 −3608 ± 2812
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 6.84
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

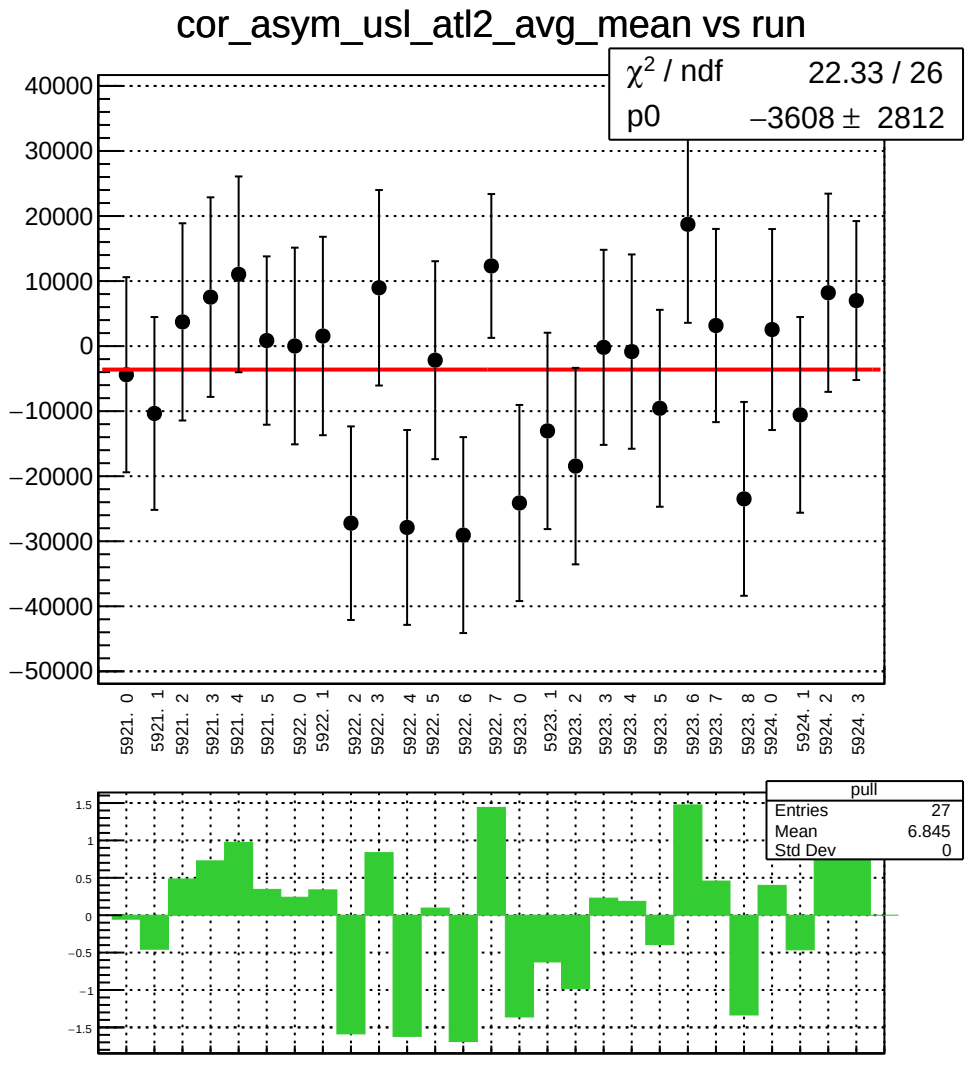

pull1D
Entries 27
Mean −0.02589
Std Dev 0.909
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

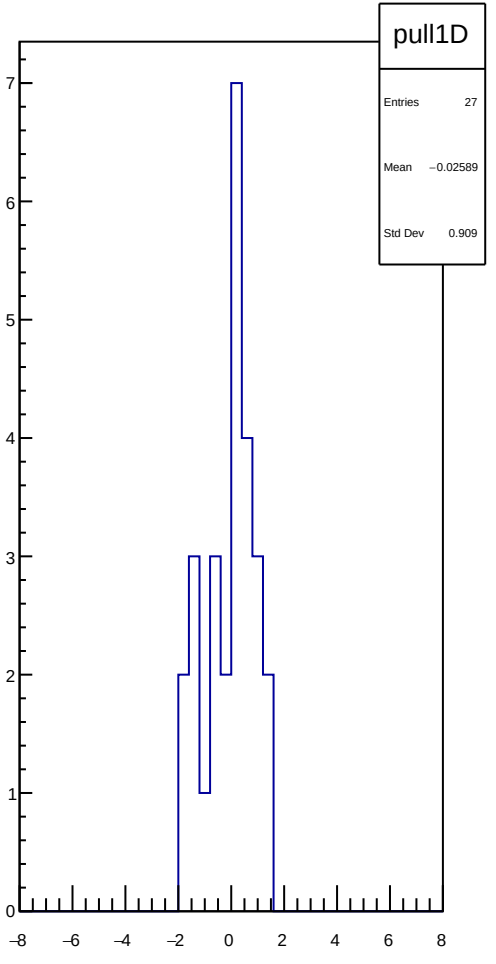

reg_asym_usl_atl2_avg_rms vs run
χ² / ndf 45.62 / 26
p0 1430 ± 1.989
1480
1470
1460
1450
1440
1430
1420
1410
1400
1390
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

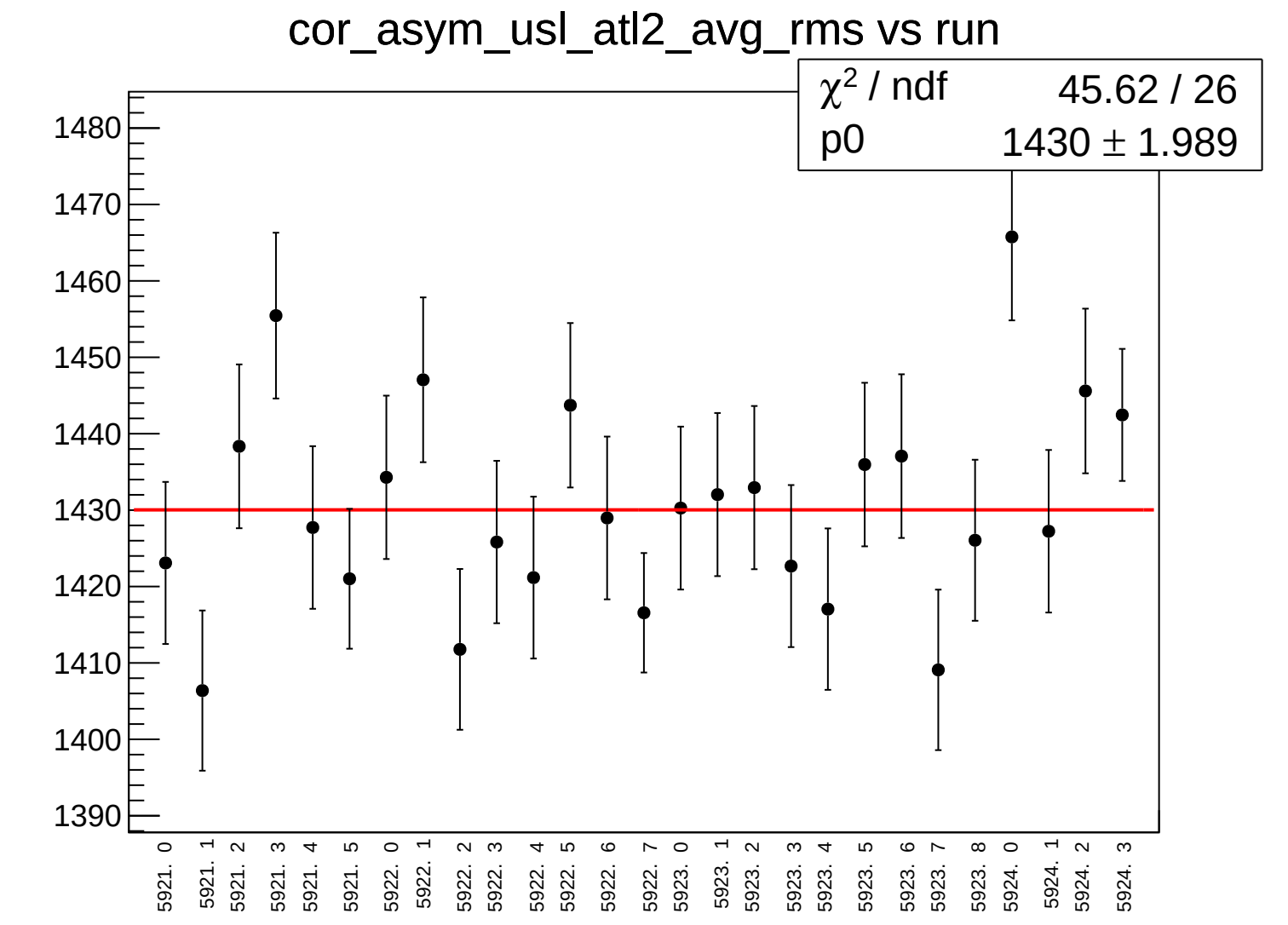

asym_usl_atl2_avg_reg_correction_mean vs run
χ² / ndf 27.15 / 26
p0 4716 ± 6266
×10³
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −145.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

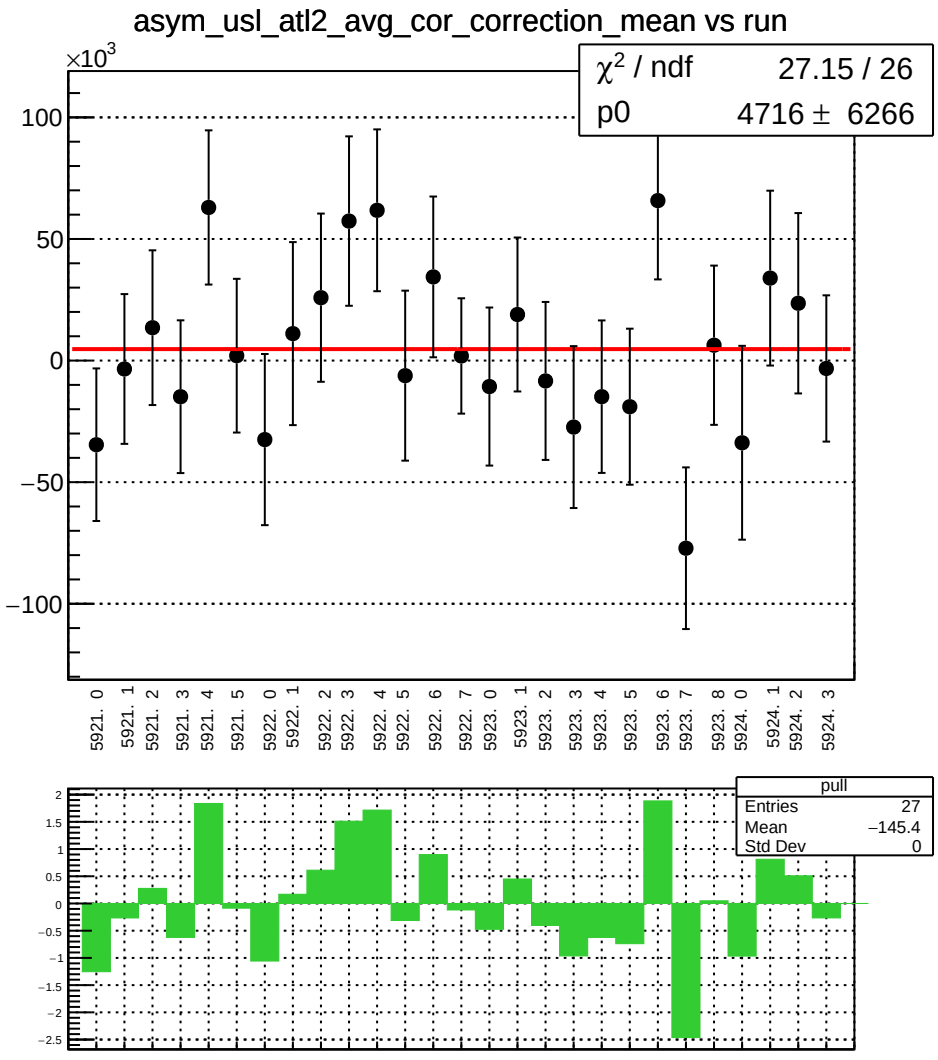

pull1D
Entries 27
Mean 0.004116
Std Dev 1.003
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

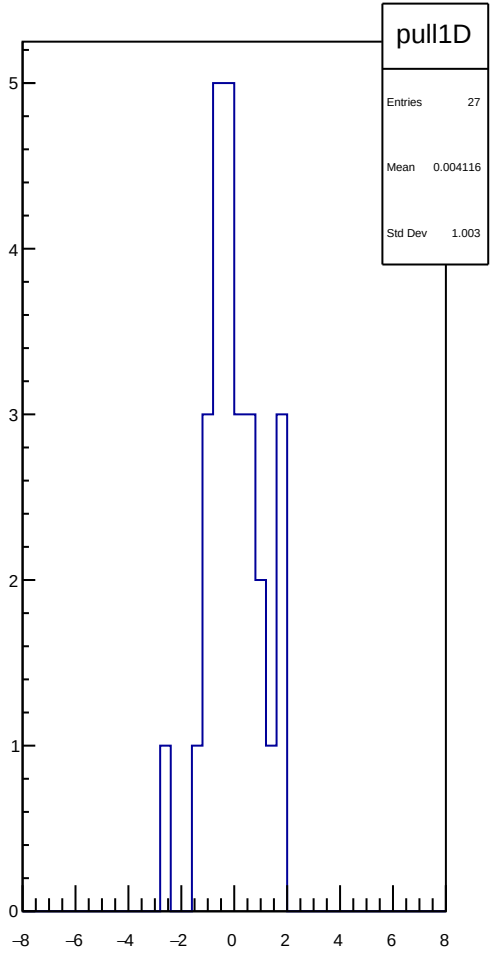

asym_usl_atl2_avg_reg_correction_rms vs run
χ² / ndf 2244 / 26
p0 3179 ± 4.431
3800
3600
3400
3200
3000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

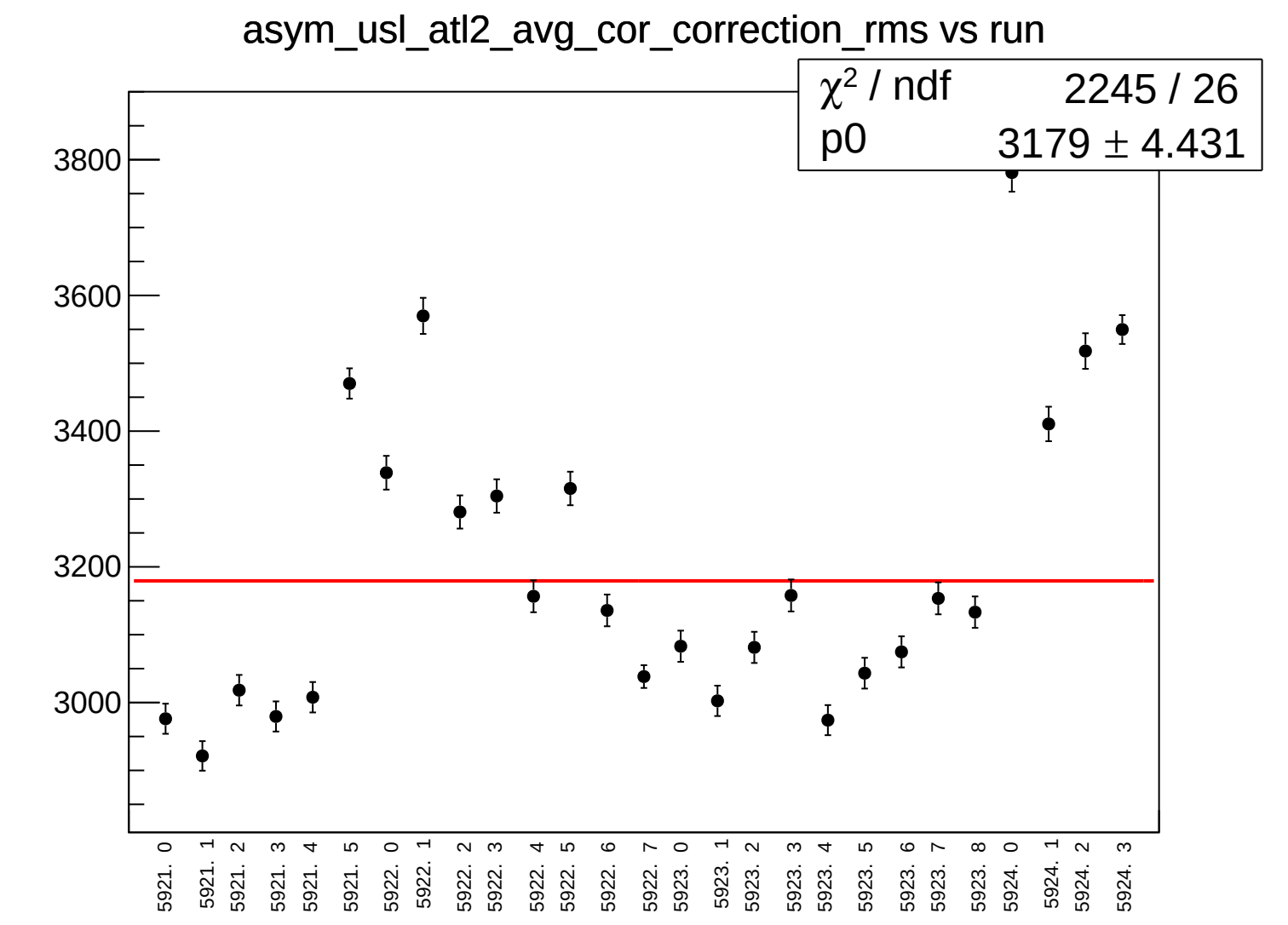

cor_asym_usl_atl2_avg_mean vs run
χ² / ndf 22.33 / 26
p0 −3608 ± 2812
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 6.845
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

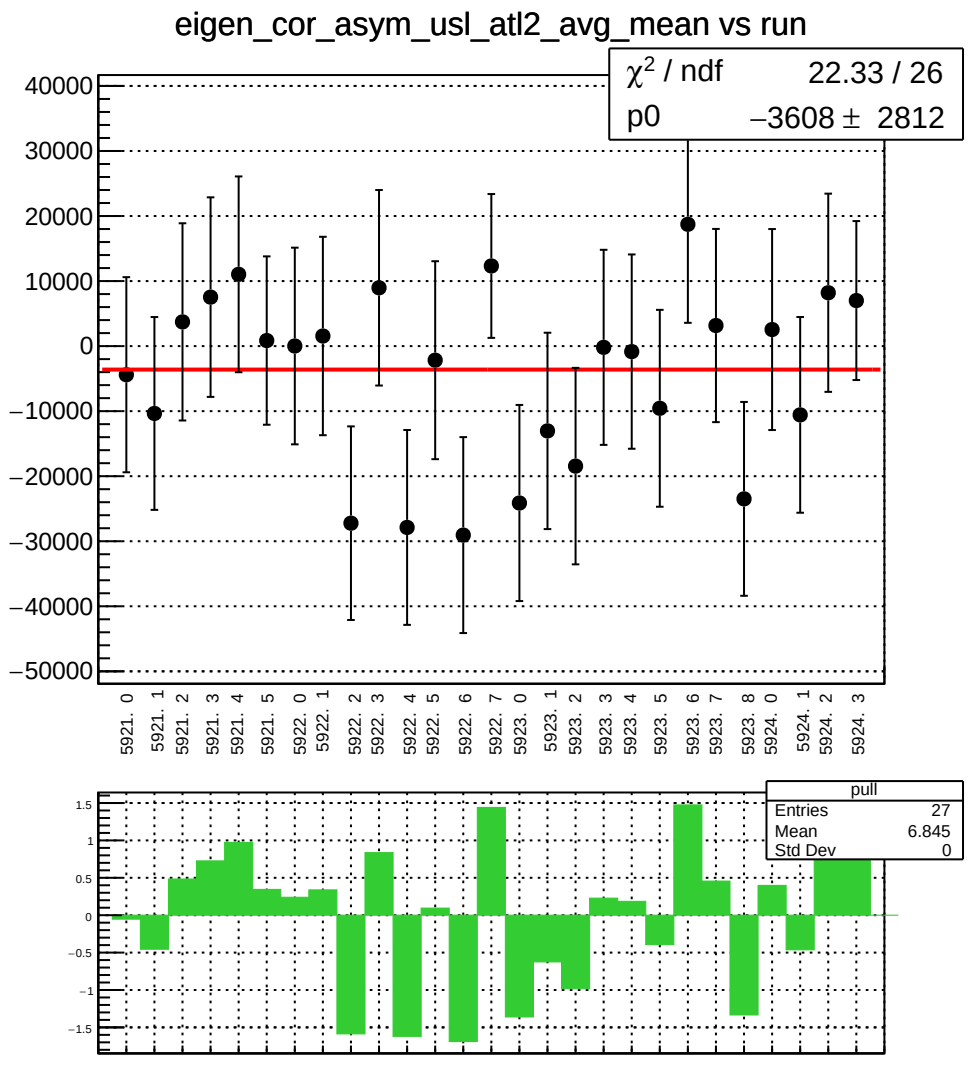

pull1D
Entries 27
Mean −0.02589
Std Dev 0.909
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

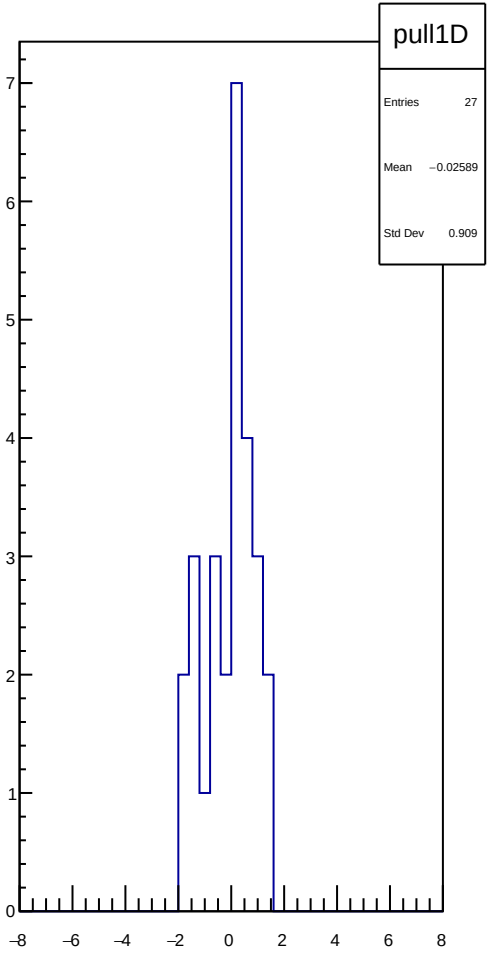

cor_asym_usl_atl2_avg_rms vs run
χ² / ndf 45.62 / 26
p0 1430 ± 1.989
1480
1470
1460
1450
1440
1430
1420
1410
1400
1390
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

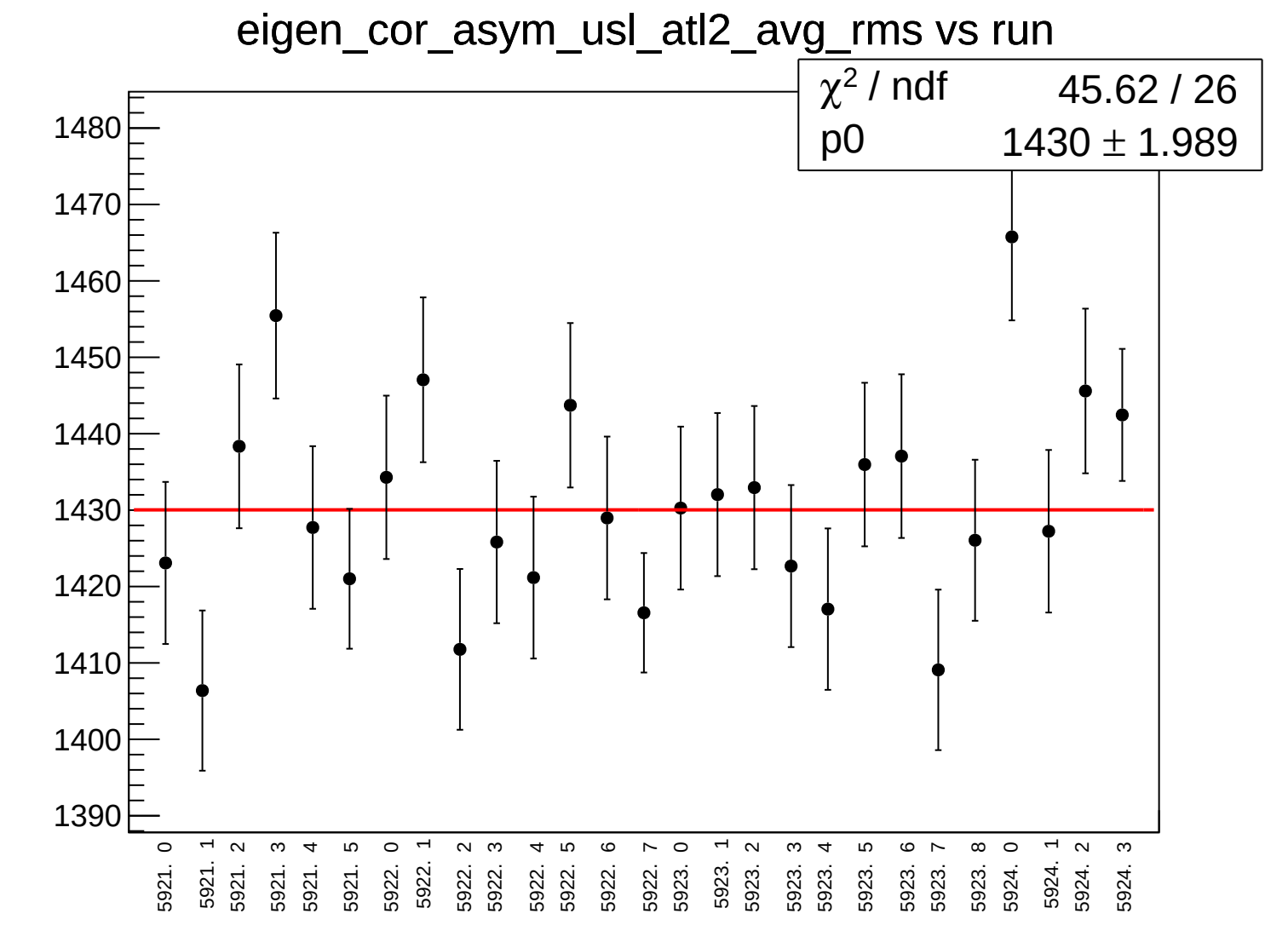

asym_usl_atl2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 27.15 / 26
p0 4716 ± 6266
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −145.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

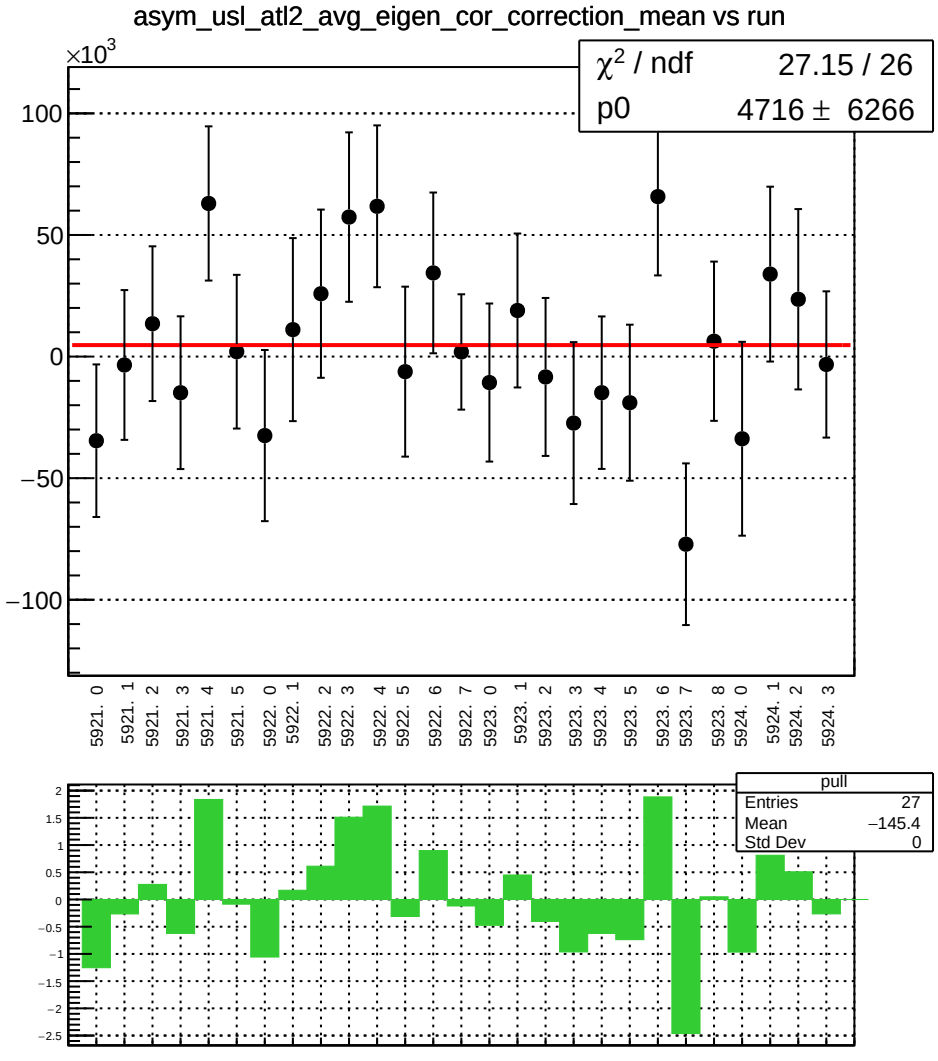

pull1D
Entries 27
Mean 0.004116
Std Dev 1.003
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

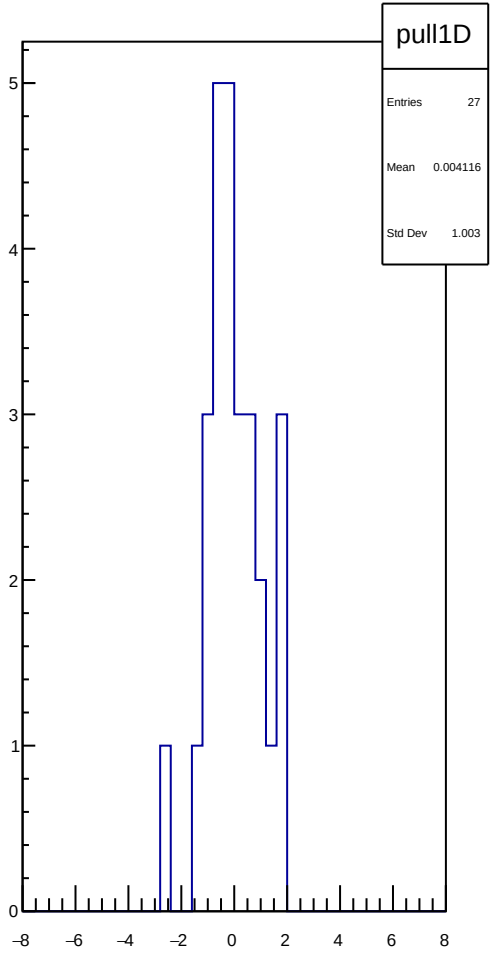

asym_usl_atl2_avg_cor_correction_rms vs run
χ² / ndf 2245 / 26
p0 3179 ± 4.431
3800
3600
3400
3200
3000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

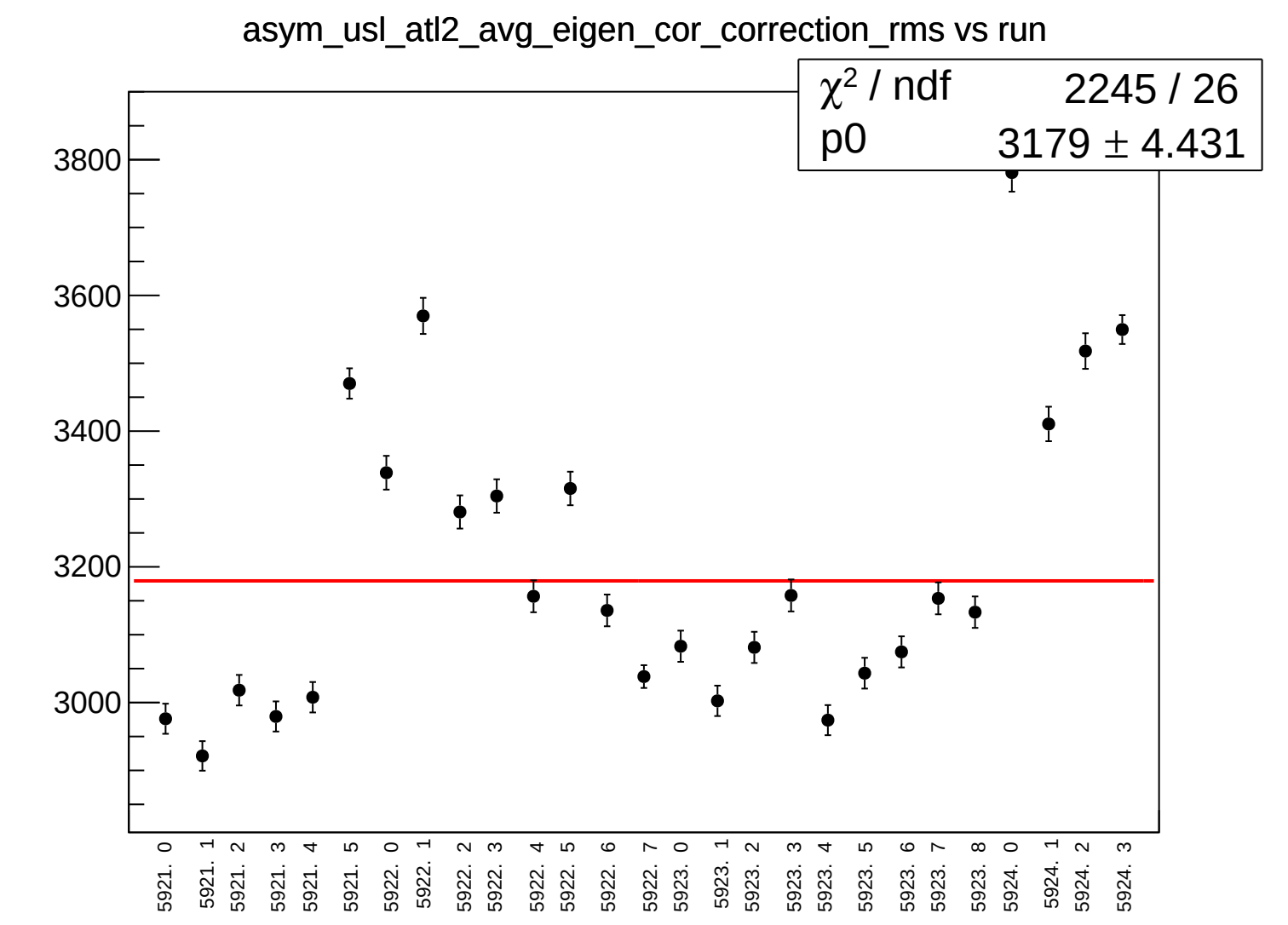

eigen_cor_asym_usl_atl2_avg_mean vs run
χ² / ndf 22.33 / 26
p0 −3608 ± 2812
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 6.845
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

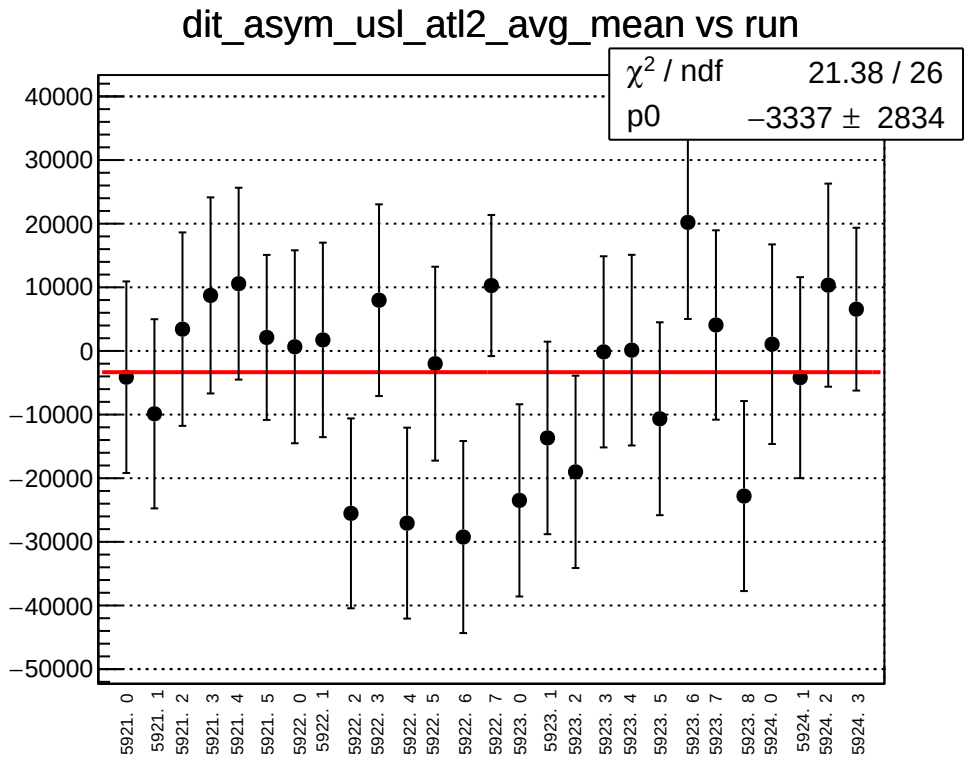

pull1D
Entries 27
Mean −0.02589
Std Dev 0.909
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

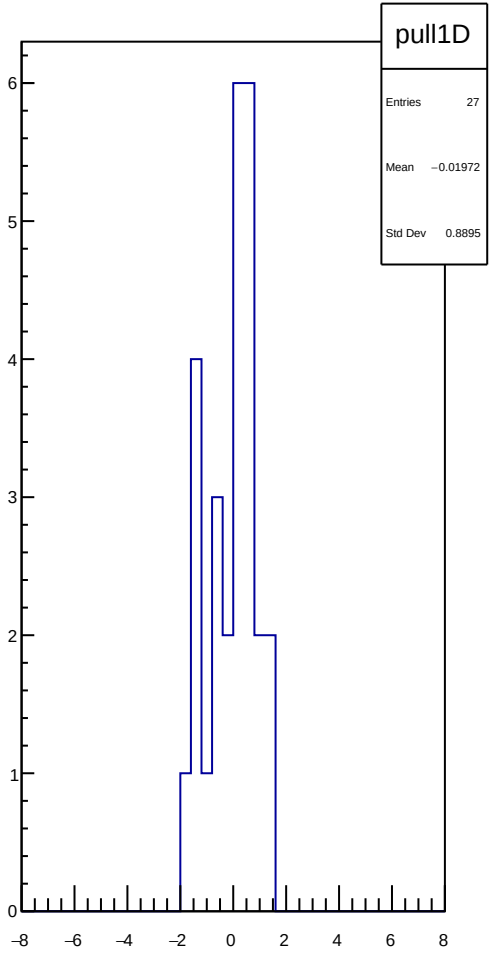

eigen_cor_asym_usl_atl2_avg_rms vs run
χ² / ndf 45.62 / 26
p0 1430 ± 1.989
1480
1470
1460
1450
1440
1430
1420
1410
1400
1390
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

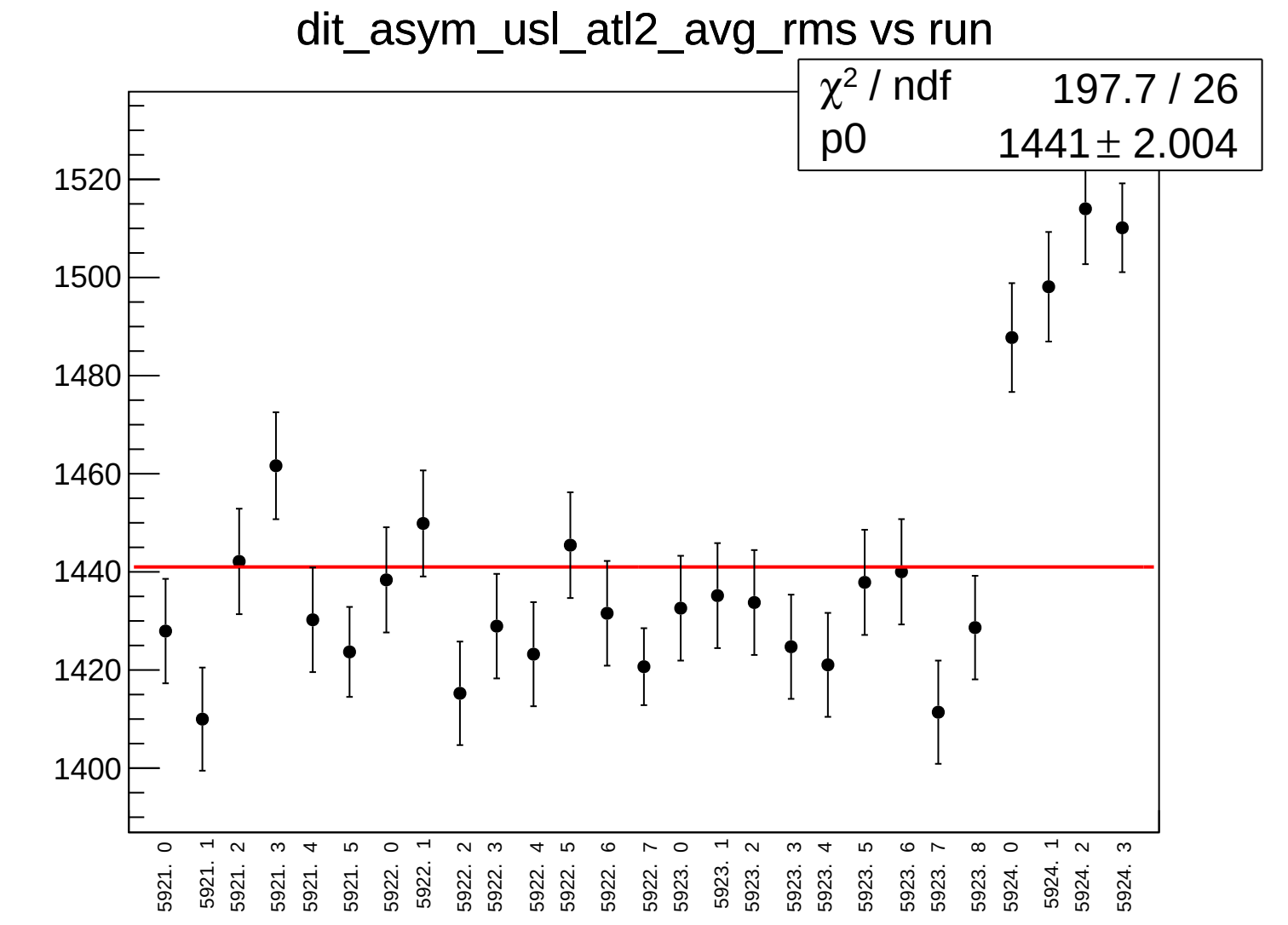

asym_usl_atl2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 27.15 / 26
p0 4716 ± 6266
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −145.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

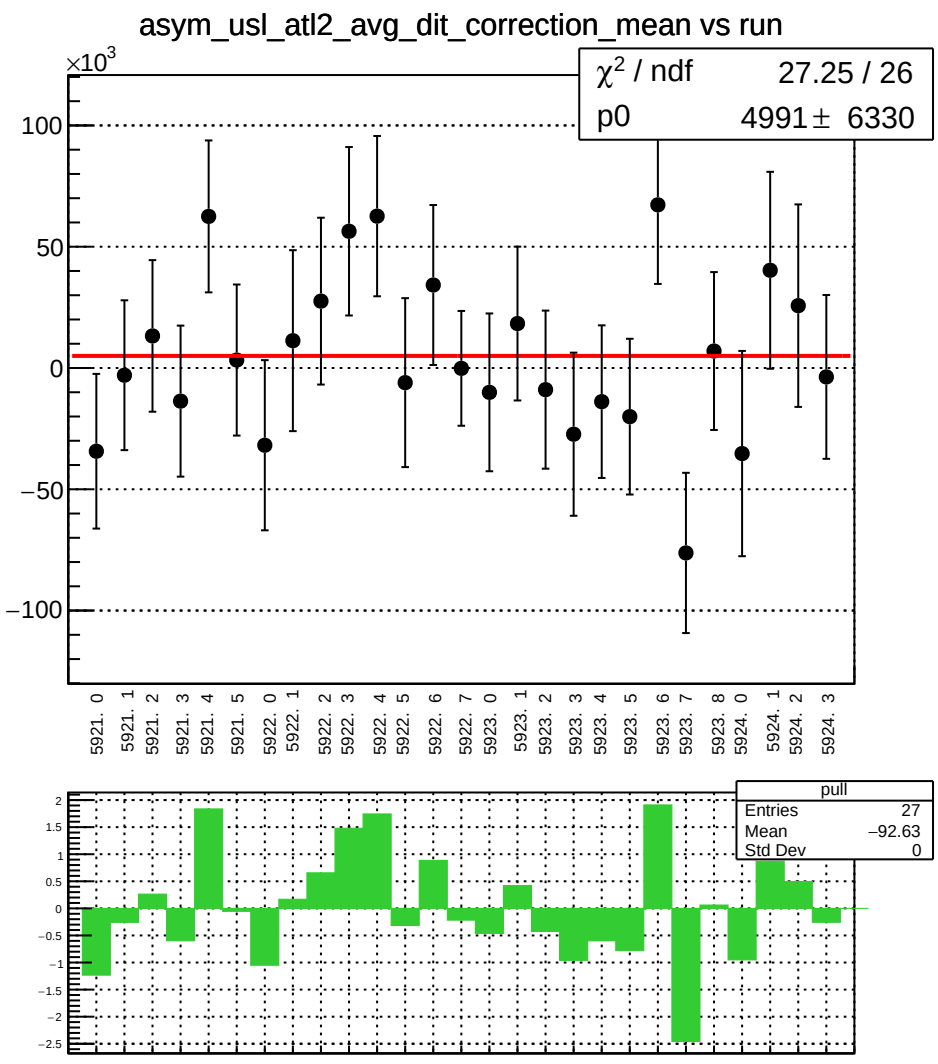

pull1D
Entries 27
Mean 0.004116
Std Dev 1.003
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

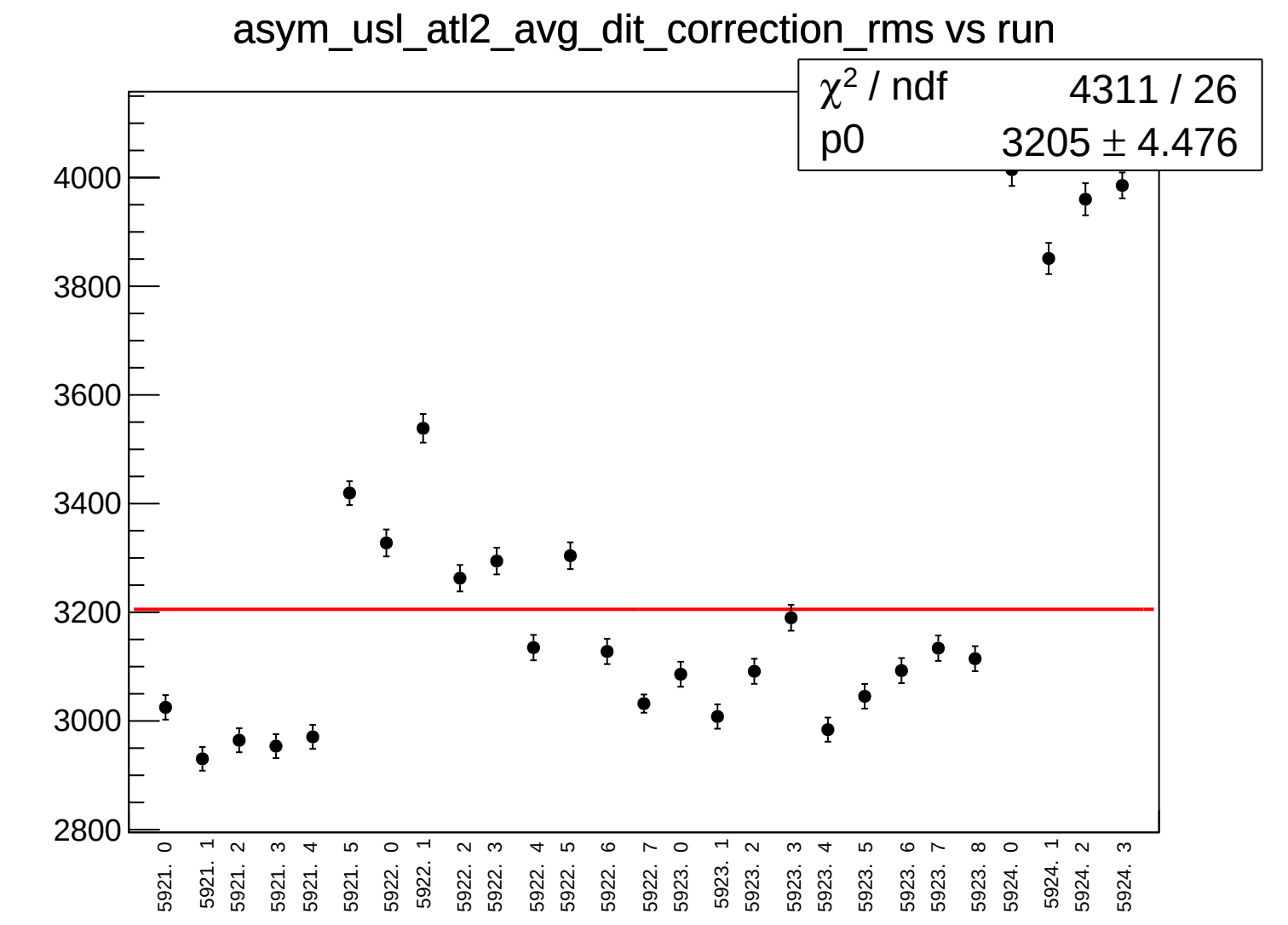

asym_usl_atl2_avg_eigen_cor_correction_rms vs run
χ² / ndf 2245 / 26
p0 3179 ± 4.431
3800
3600
3400
3200
3000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

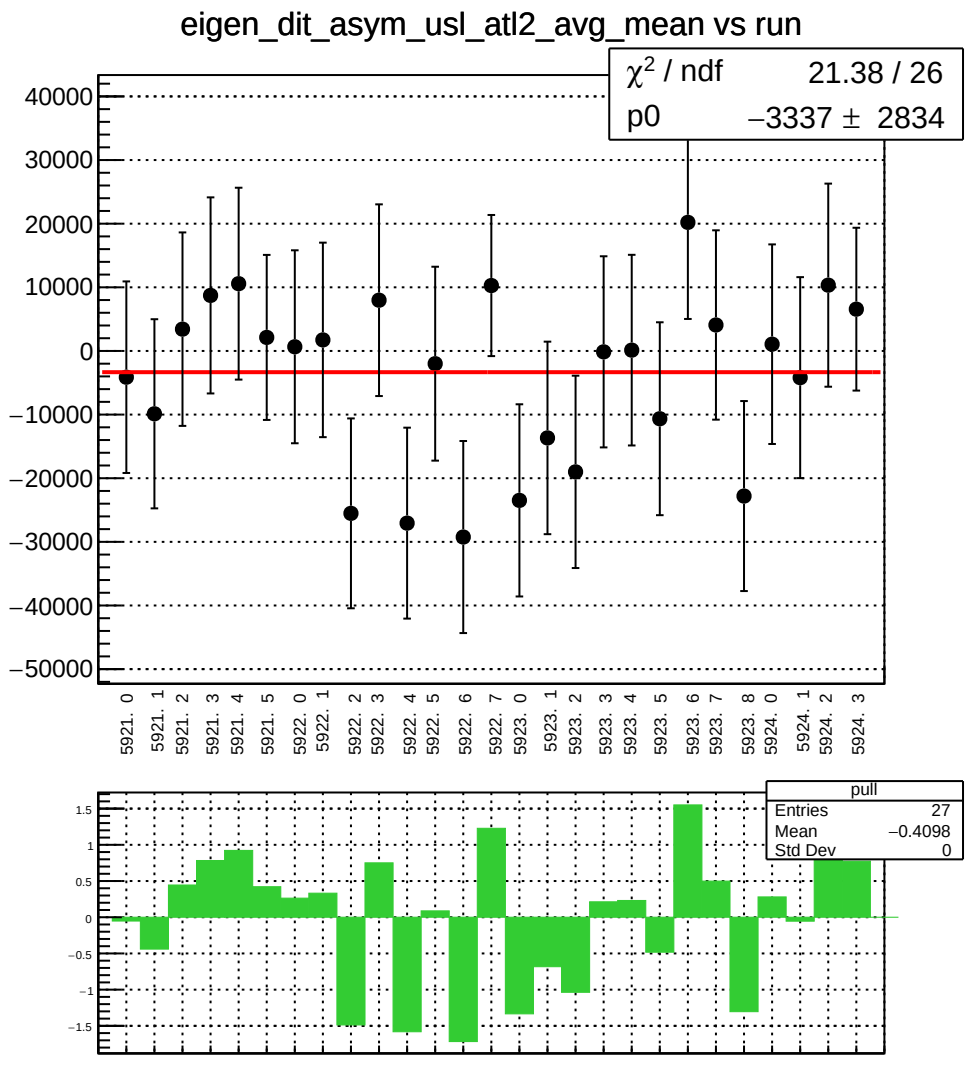

dit_asym_usl_atl2_avg_mean vs run
χ² / ndf 21.38 / 26
p0 −3337 ± 2834
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −0.4093
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

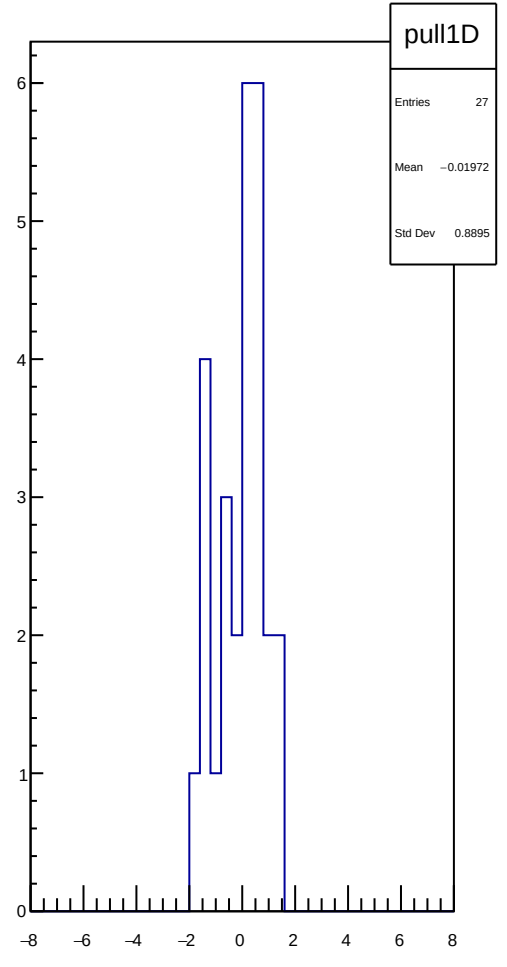

pull1D
Entries 27
Mean −0.01972
Std Dev 0.8895
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

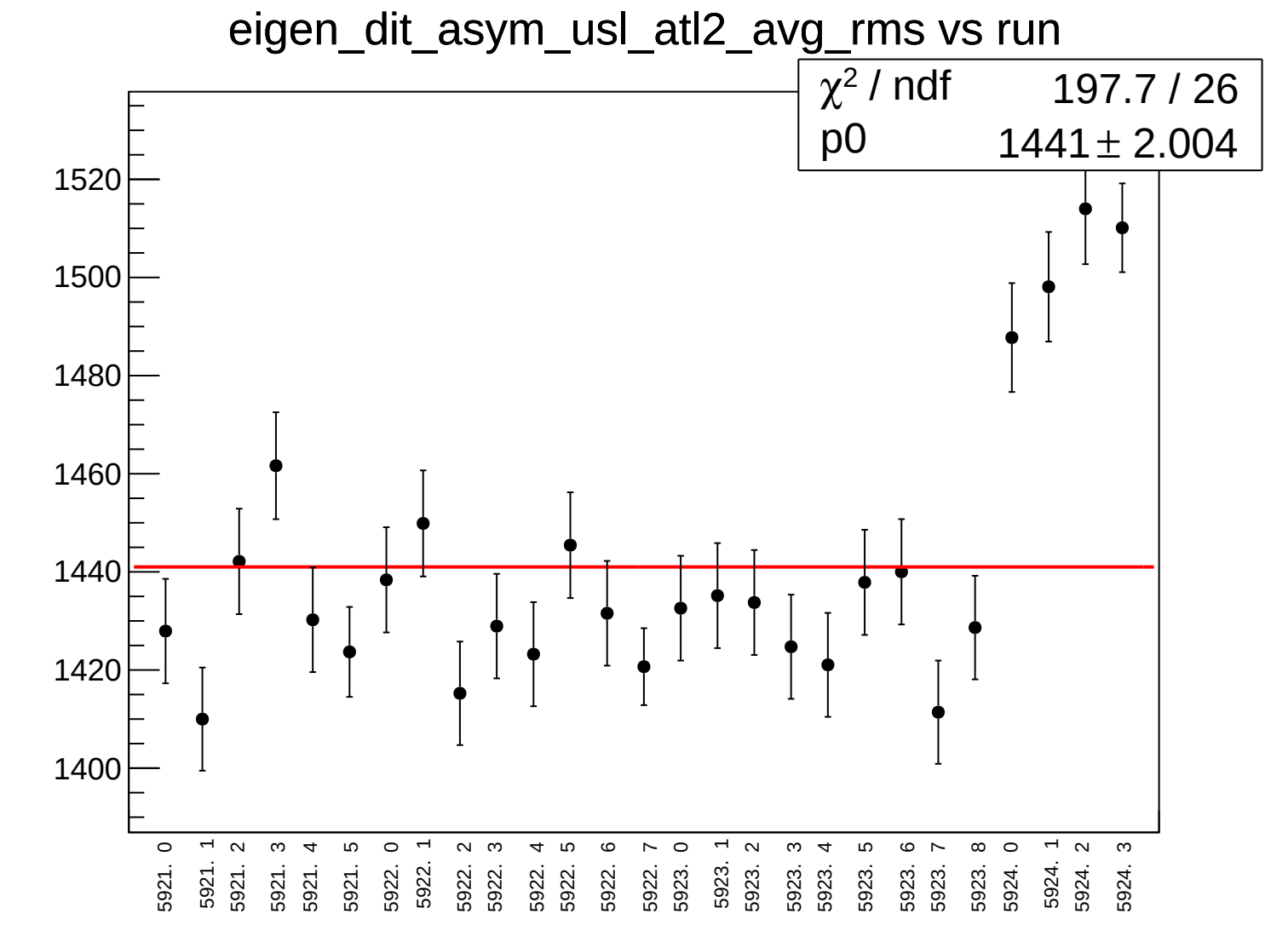

dit_asym_usl_atl2_avg_rms vs run
χ² / ndf 197.7 / 26
p0 1441 ± 2.004
1520
1500
1480
1460
1440
1420
1400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

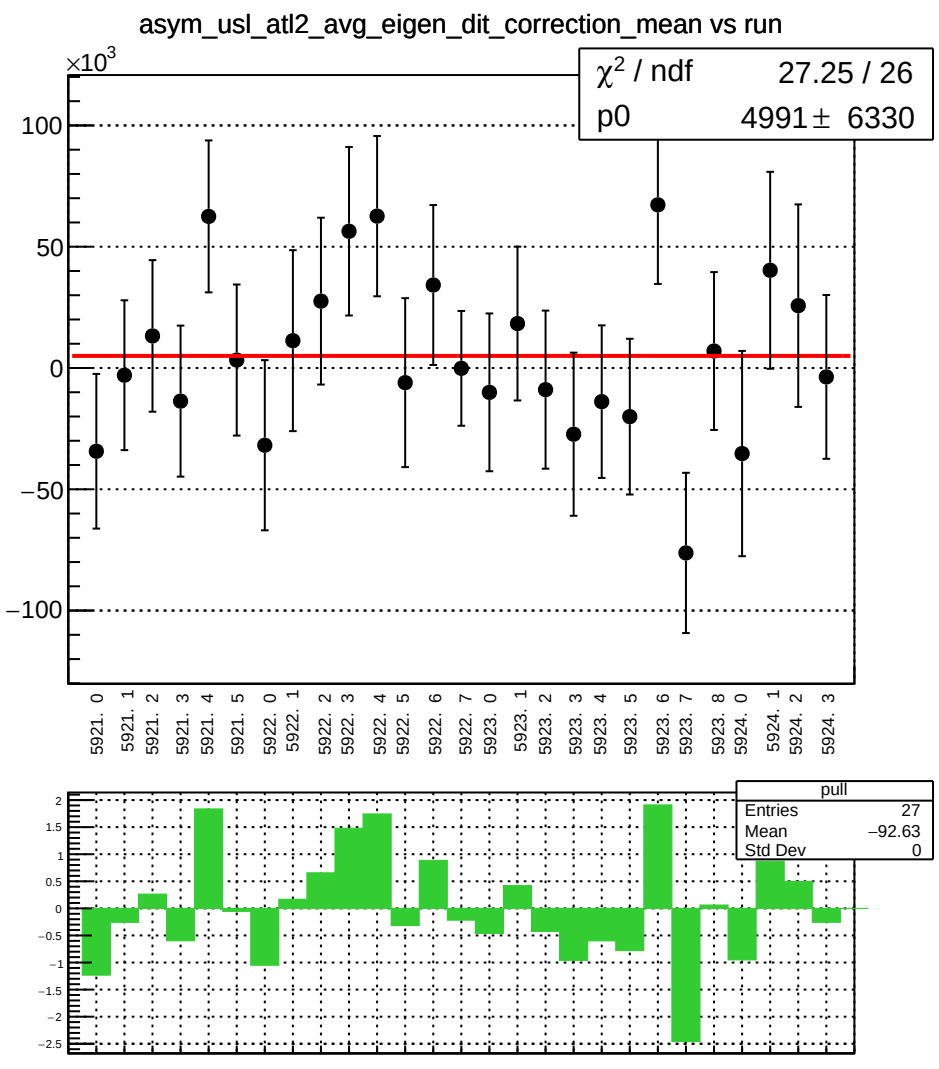

asym_usl_atl2_avg_dit_correction_mean vs run
×10^3
χ^2 / ndf 27.25 / 26
p0 4991 ± 6330
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −92.63
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean 0.006186
Std Dev 1.005
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

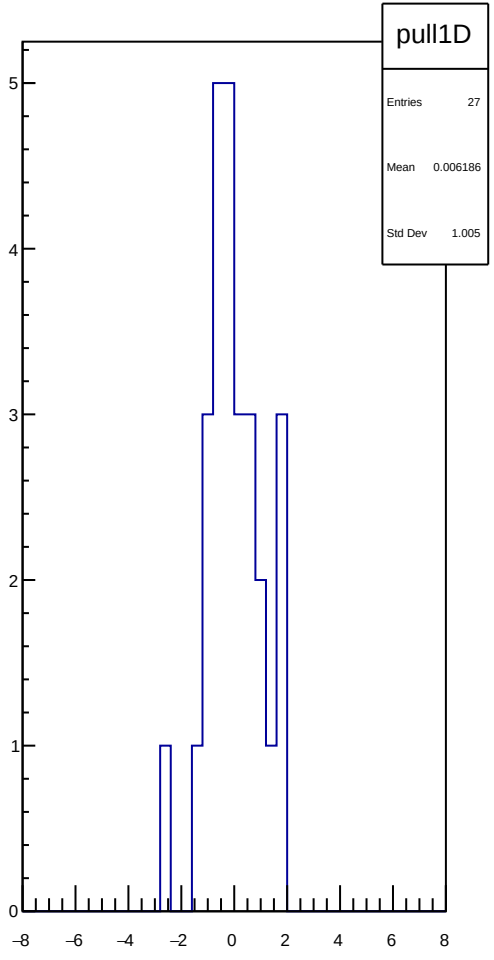

asym_usl_atl2_avg_dit_correction_rms vs run
χ² / ndf 4311 / 26
p0 3205 ± 4.476
4000
3800
3600
3400
3200
3000
2800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

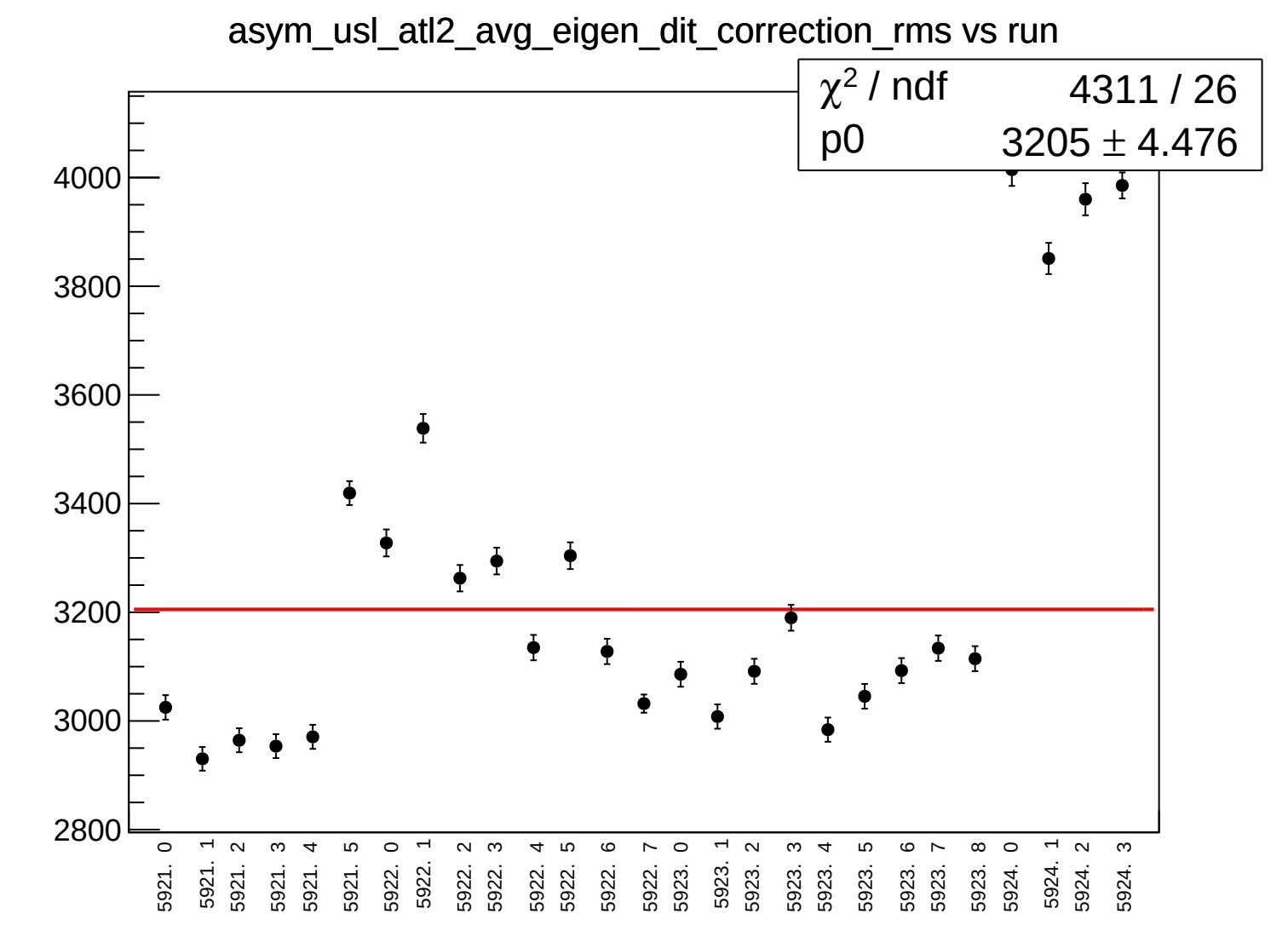

eigen_dit_asym_usl_atl2_avg_mean vs run
χ² / ndf 21.38 / 26
p0 −3337 ± 2834
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −0.4098
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

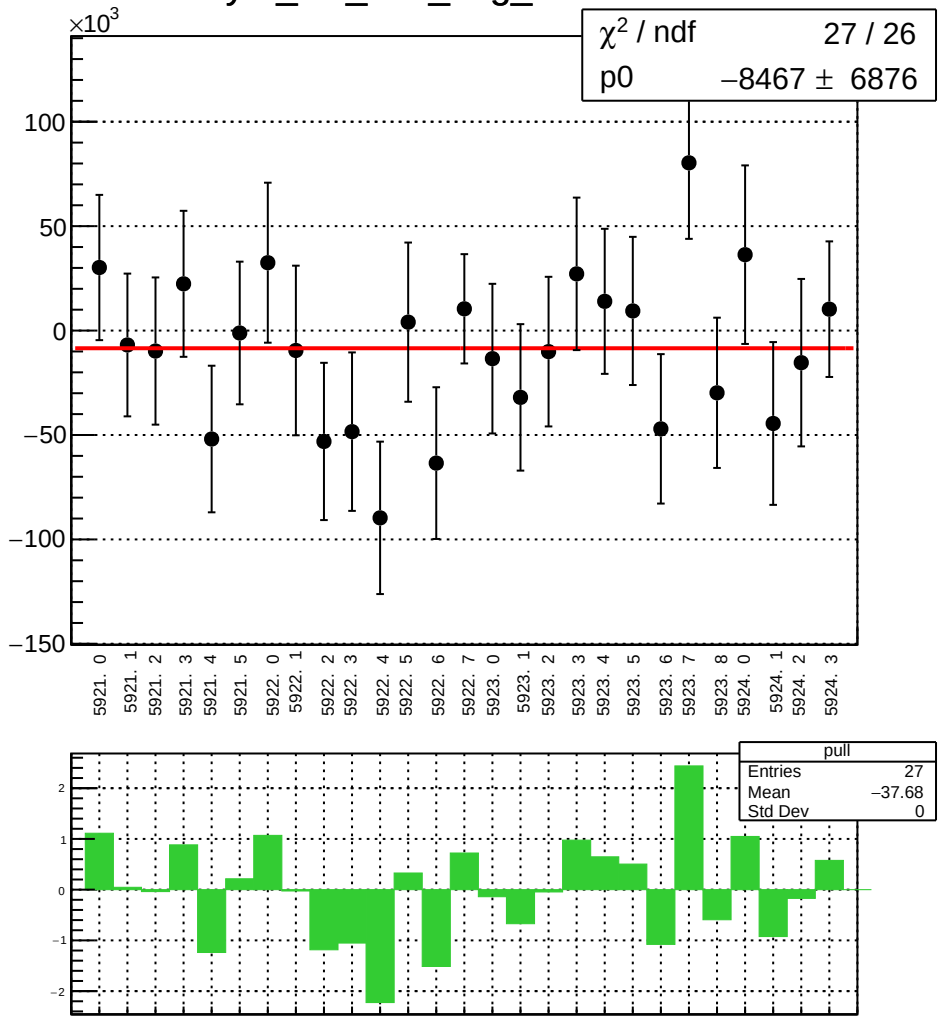

pull1D
Entries 27
Mean −0.01972
Std Dev 0.8895
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

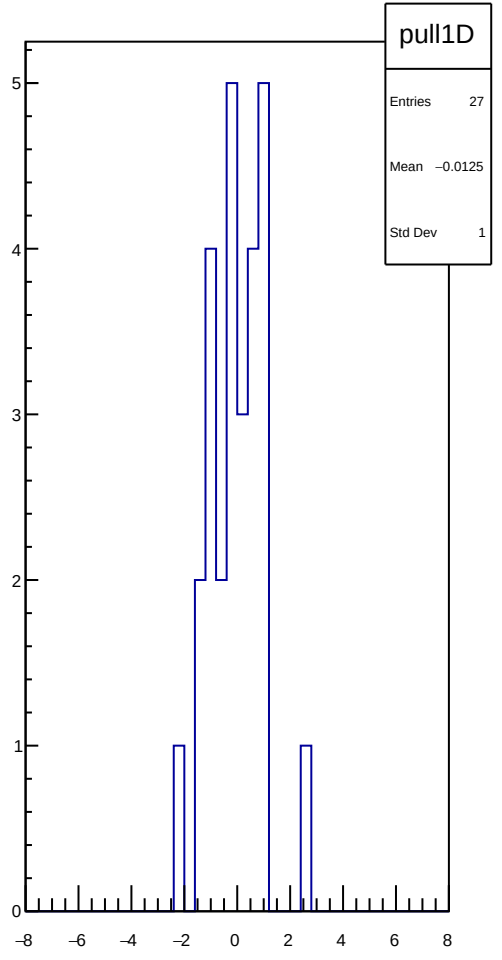

eigen_dit_asym_usl_atl2_avg_rms vs run
χ² / ndf 197.7 / 26
p0 1441 ± 2.004
1520
1500
1480
1460
1440
1420
1400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

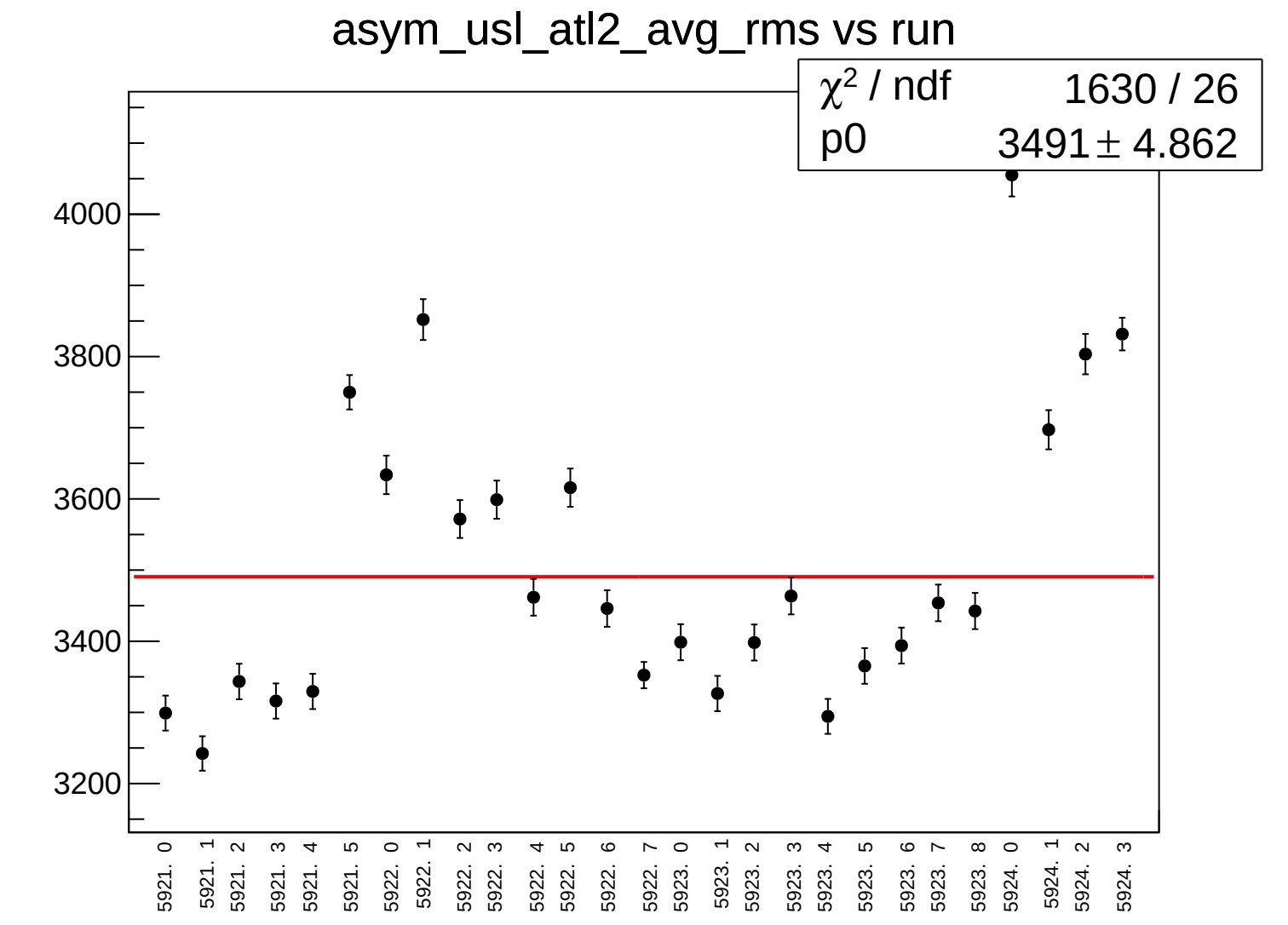

asym_usl_atl2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 27.25 / 26
p0 4991 ± 6330
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −92.63
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

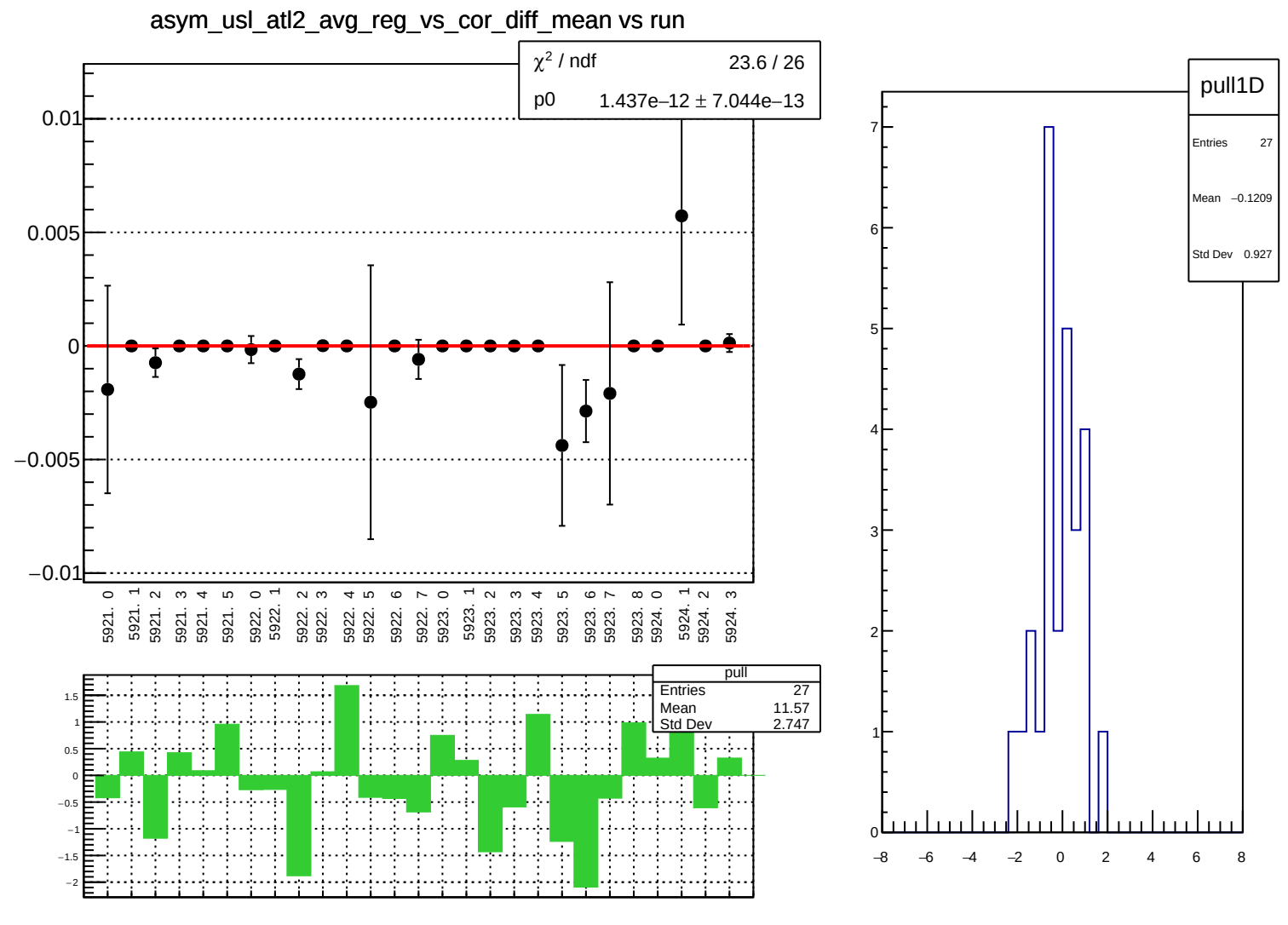

pull1D
Entries 27
Mean 0.006186
Std Dev 1.005
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

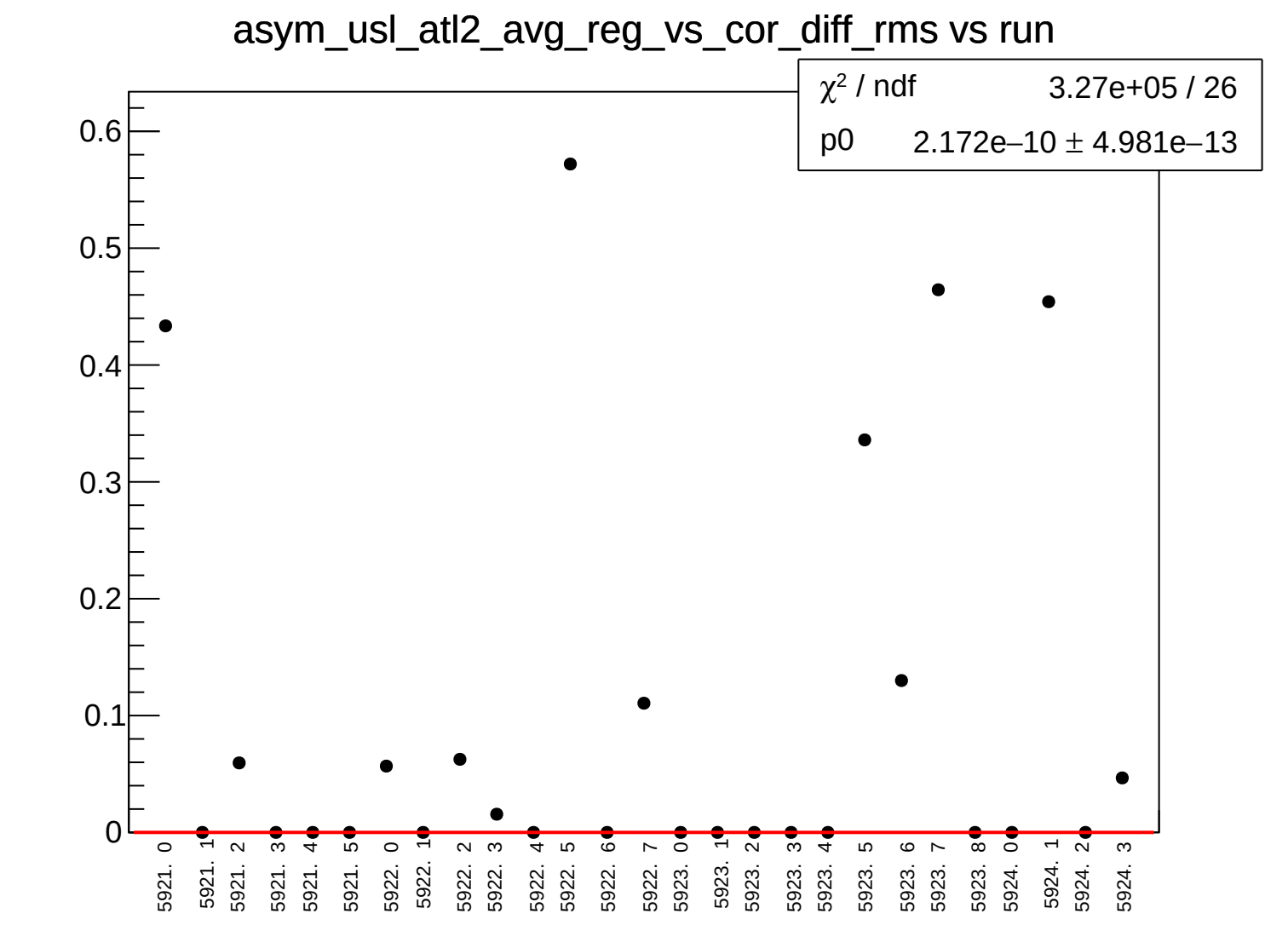

asym_usl_atl2_avg_eigen_dit_correction_rms vs run
χ² / ndf 4311 / 26
p0 3205 ± 4.476
4000
3800
3600
3400
3200
3000
2800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

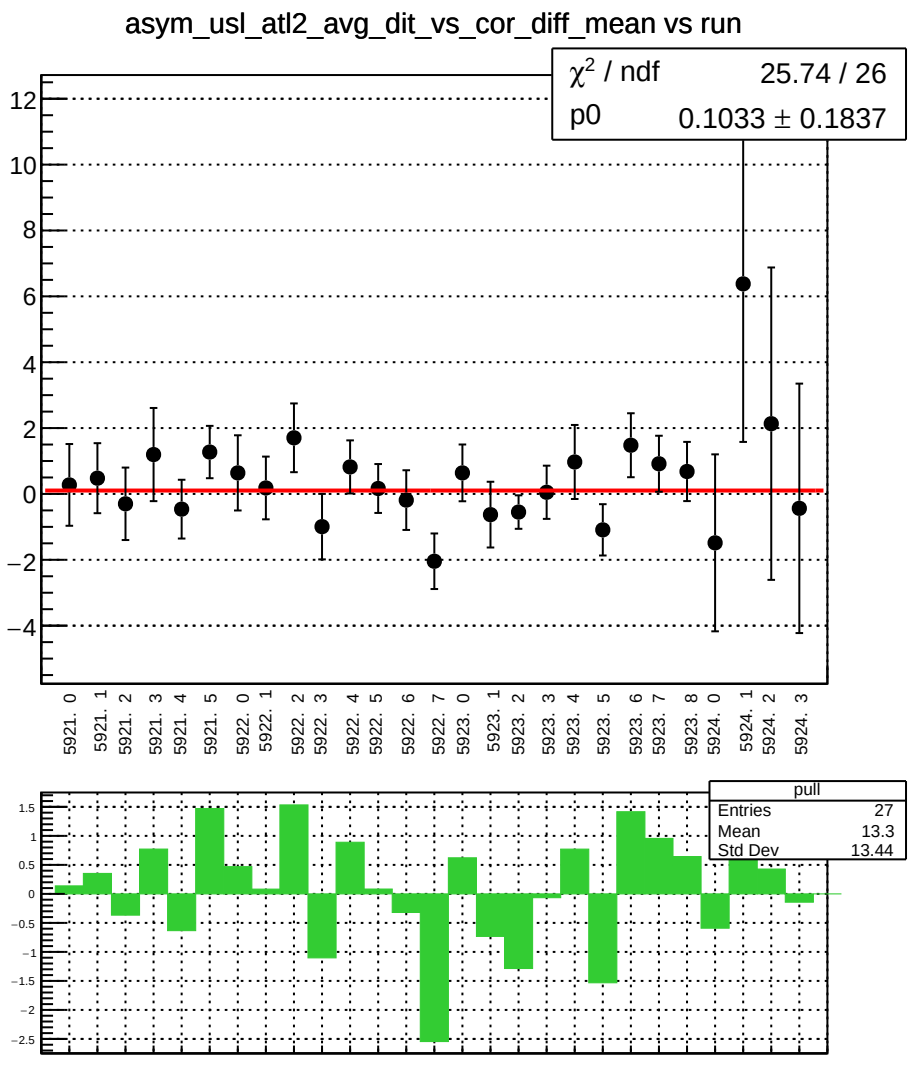

asym_usl_atl2_avg_mean vs run
×10^3
χ^2 / ndf 27 / 26
p0 −8467 ± 6876
100
50
0
−50
−100
−150
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −37.68
Std Dev 0
2
1
0
−1
−2

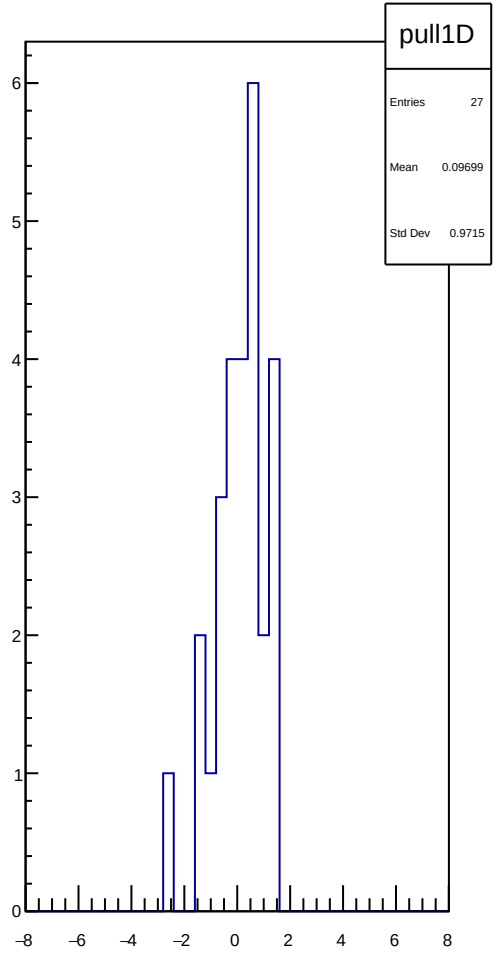

pull1D
Entries 27
Mean −0.0125
Std Dev 1
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

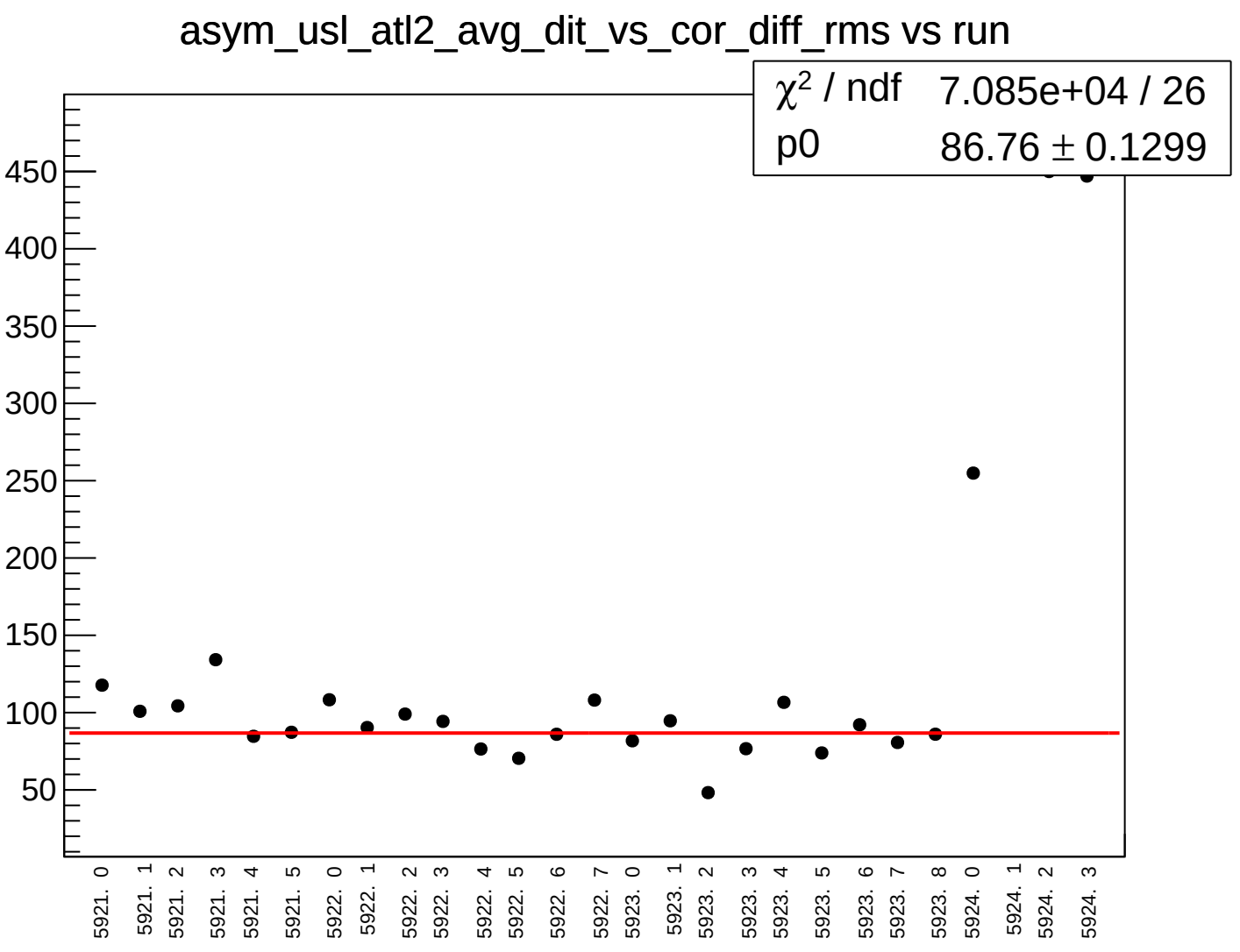

asym_usl_atl2_avg_rms vs run
χ² / ndf 1630 / 26
p0 3491 ± 4.862
4000
3800
3600
3400
3200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

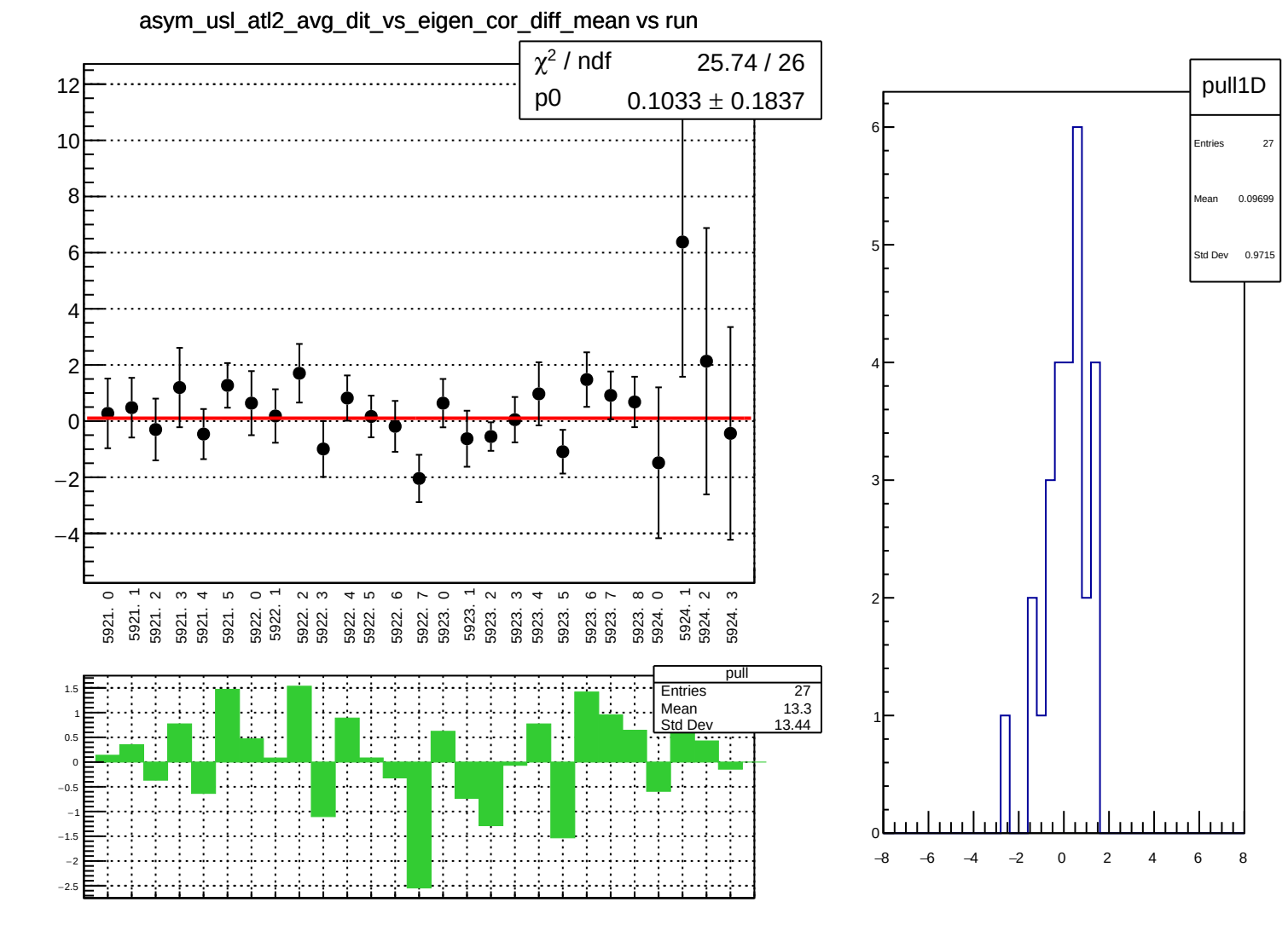

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 23.6 / 26
p0 1.437e−12 ± 7.044e−13
0.01
0.005
0
−0.005
−0.01
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 11.57
Std Dev 2.747
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.1209
Std Dev 0.927
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

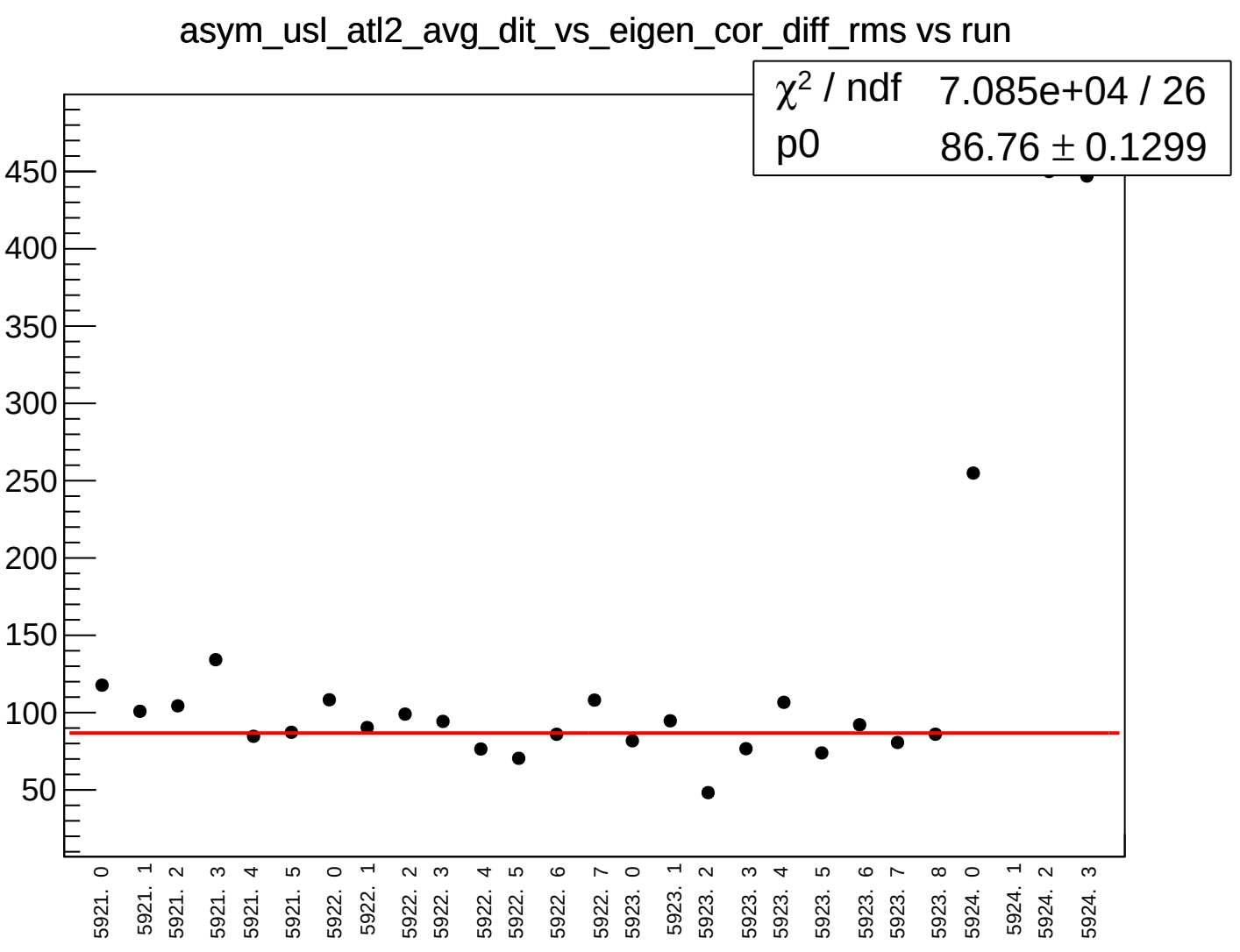

asym_usl_atl2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.27e+05 / 26
p0 2.172e−10 ± 4.981e−13
0.6
0.5
0.4
0.3
0.2
0.1
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

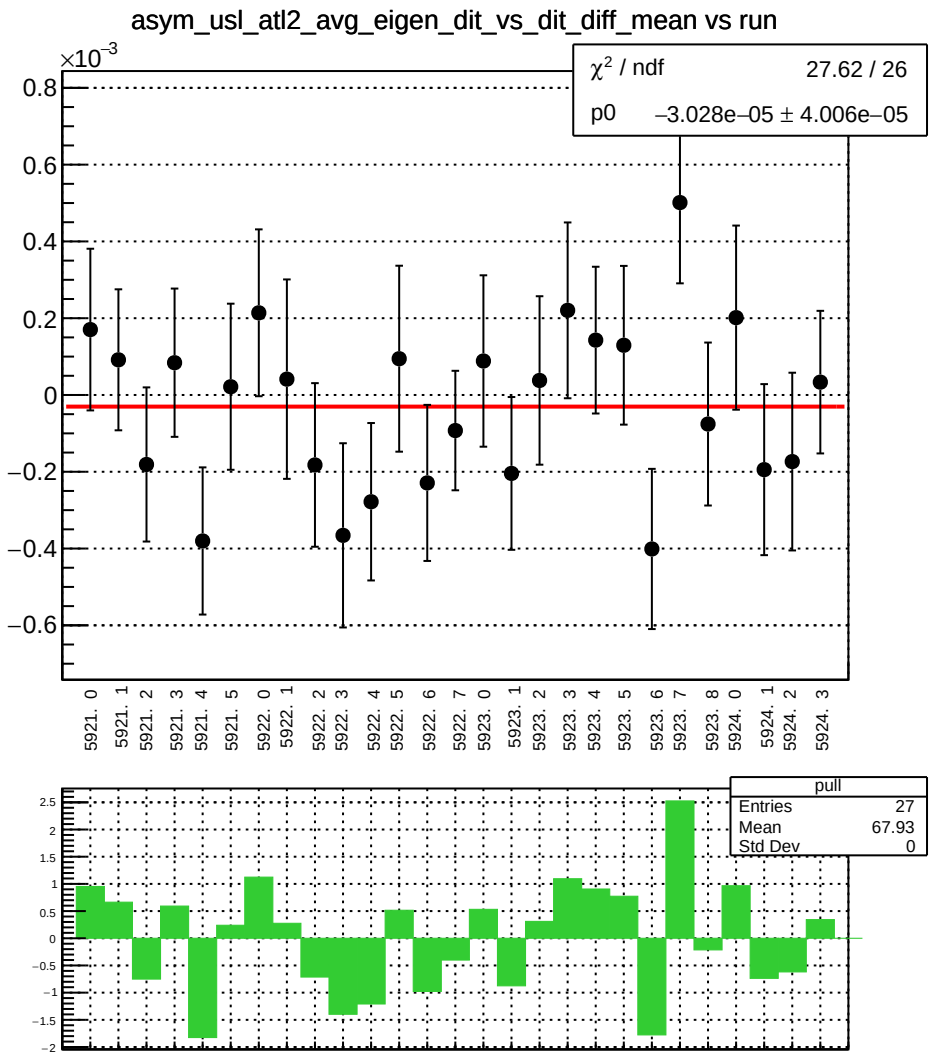

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 25.74 / 26
p0 0.1033 ± 0.1837
pull
Entries 27
Mean 13.3
Std Dev 13.44

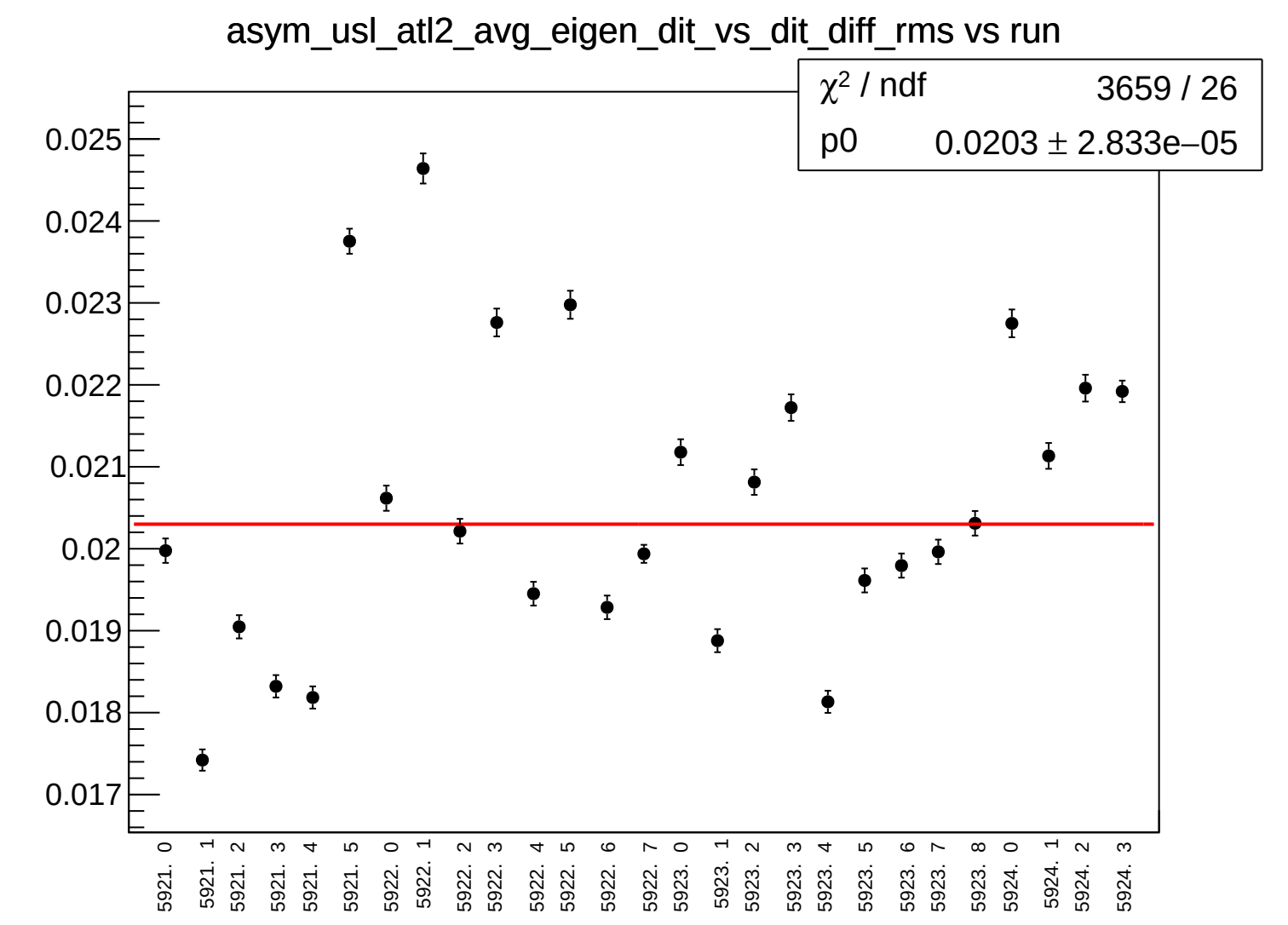

pull1D
Entries 27
Mean 0.09699
Std Dev 0.9715

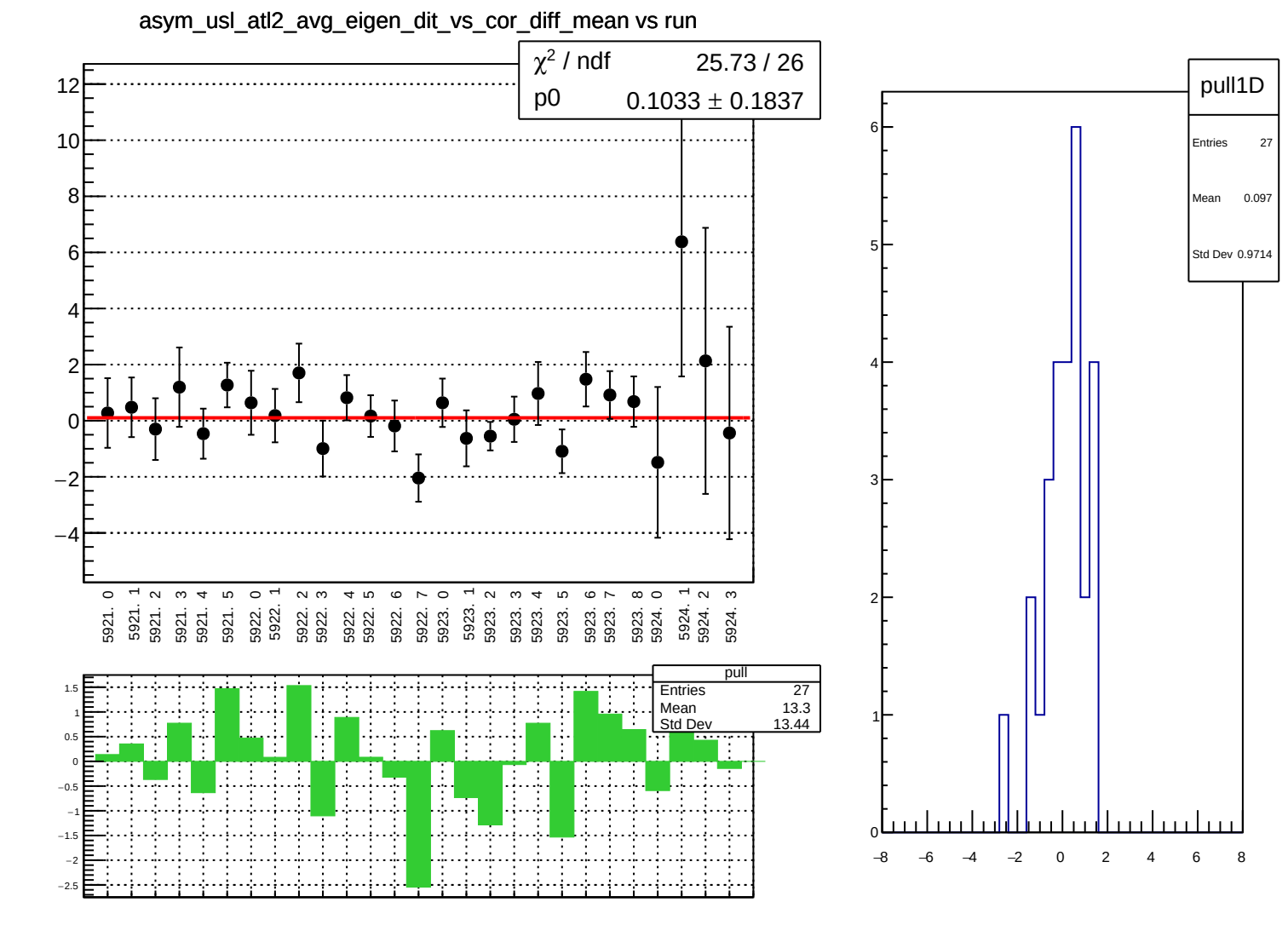

asym_usl_atl2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 7.085e+04 / 26
p0 86.76 ± 0.1299
450
400
350
300
250
200
150
100
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

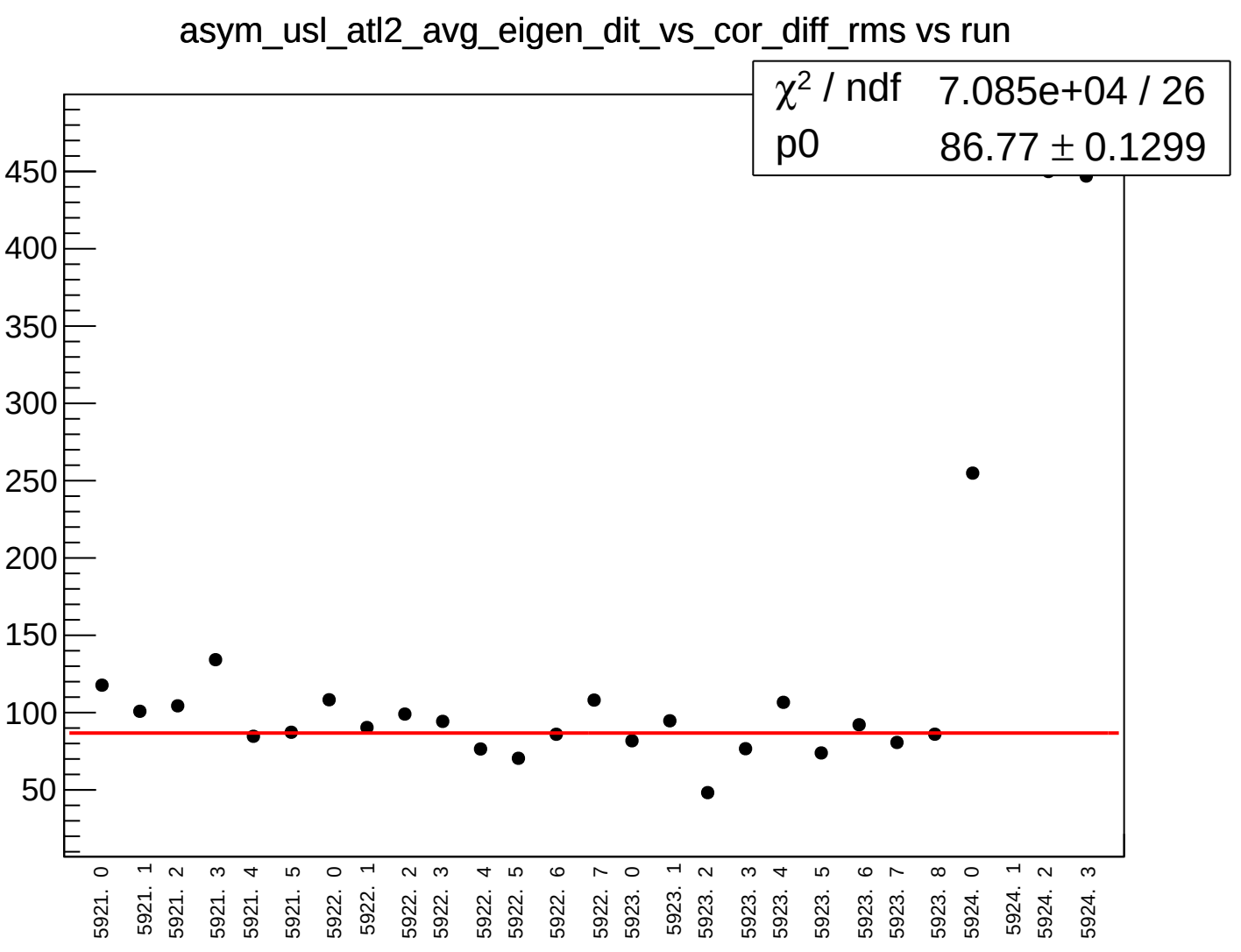

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 25.74 / 26
p0 0.1033 ± 0.1837
pull
Entries 27
Mean 13.3
Std Dev 13.44
pull1D
Entries 27
Mean 0.09699
Std Dev 0.9715

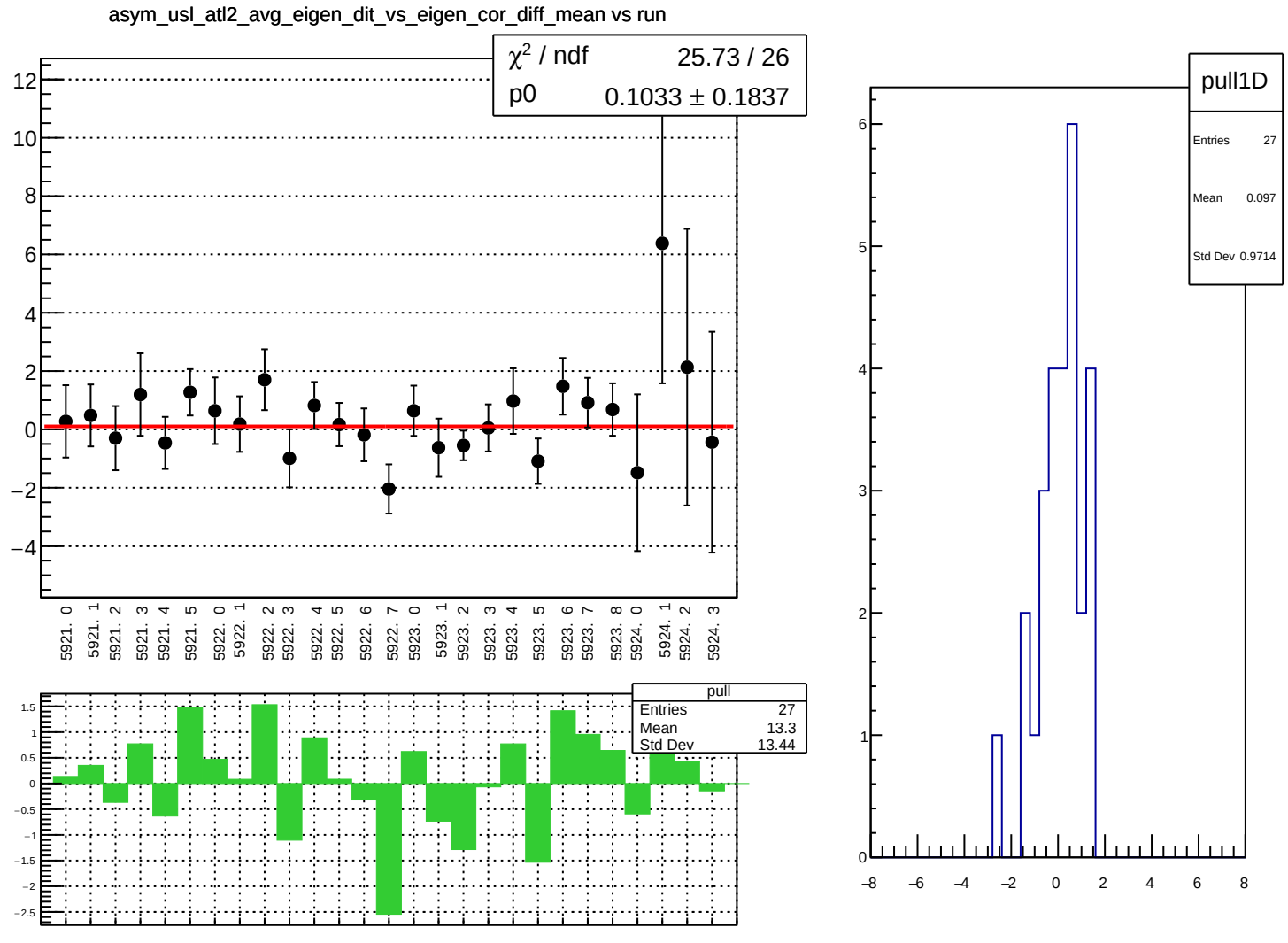

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.085e+04 / 26
p0 86.76 ± 0.1299
450
400
350
300
250
200
150
100
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

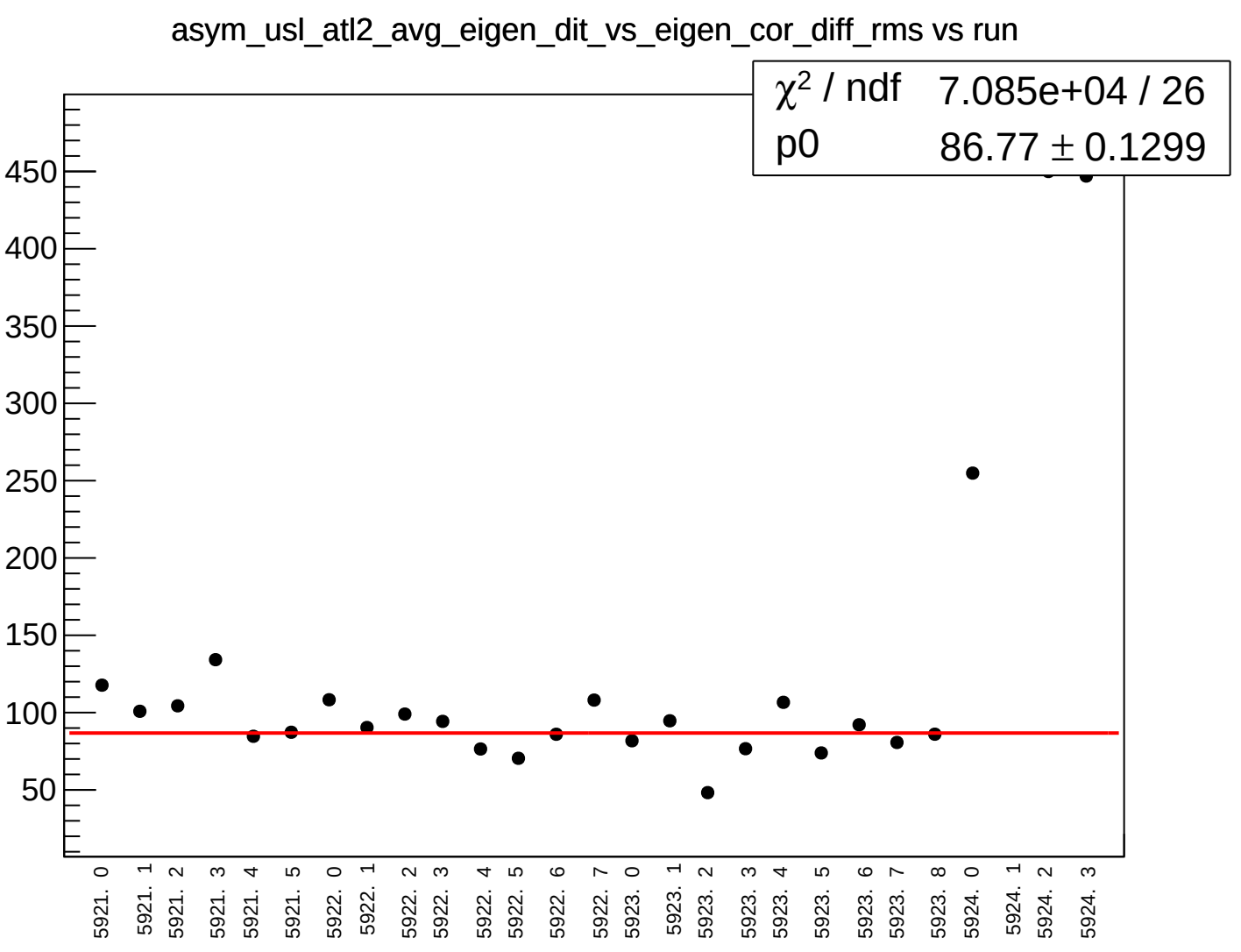

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 27.62 / 26
p0 −3.028e−05 ± 4.006e−05
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 67.93
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean 0.01185
Std Dev 1.011
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

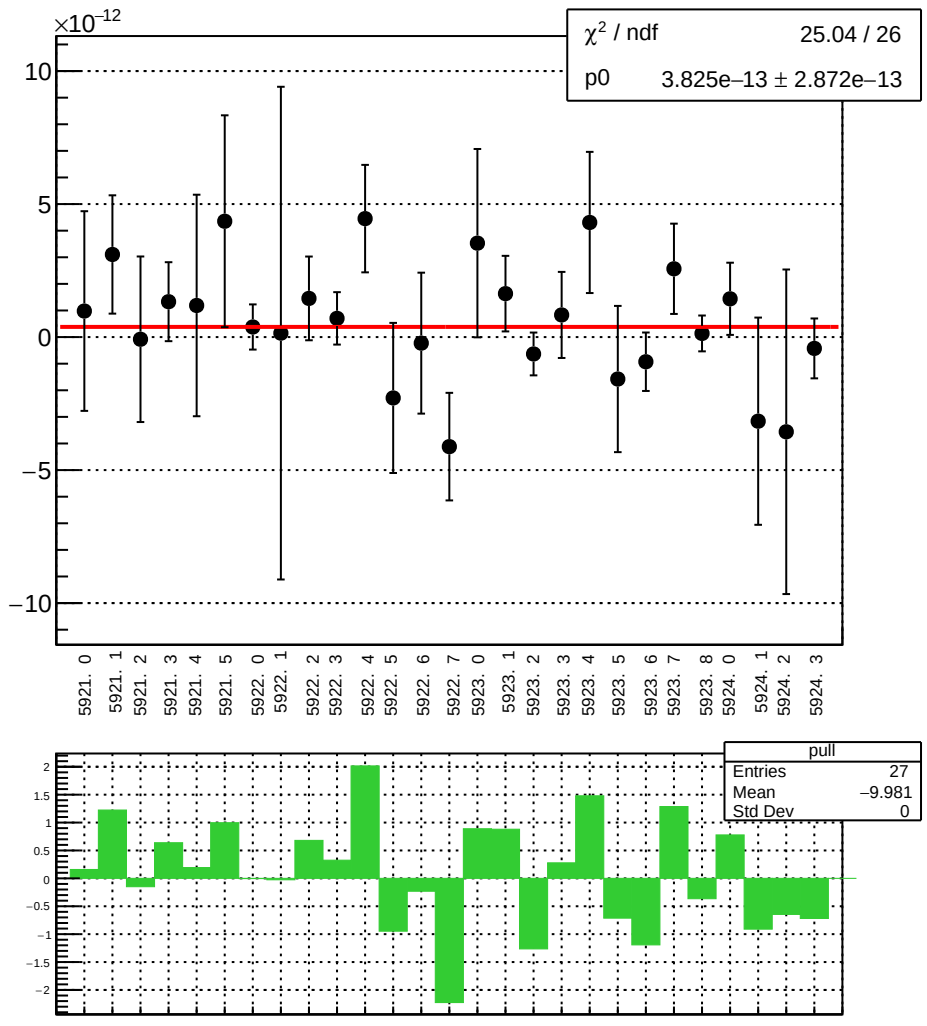

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3659 / 26
p0 0.0203 ± 2.833e−05
0.025
0.024
0.023
0.022
0.021
0.02
0.019
0.018
0.017
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

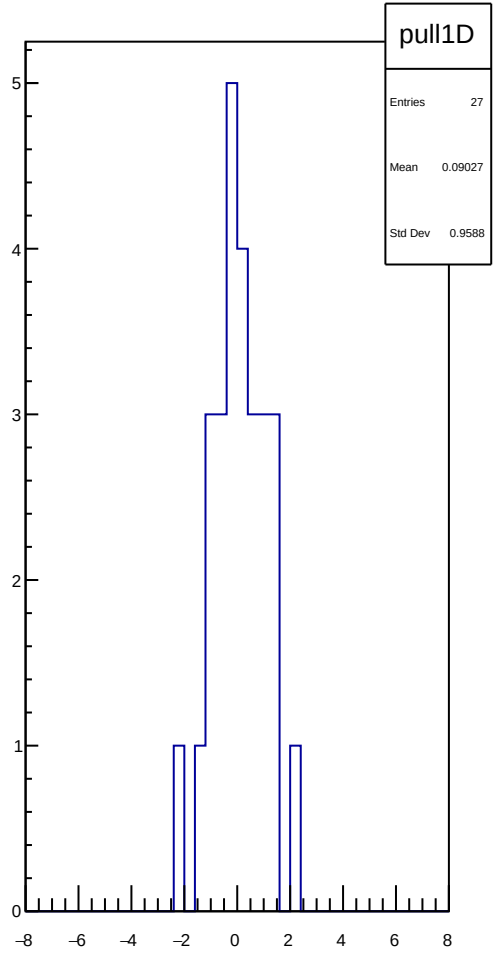

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 25.73 / 26
p0 0.1033 ± 0.1837
pull
Entries 27
Mean 13.3
Std Dev 13.44
pull1D
Entries 27
Mean 0.097
Std Dev 0.9714

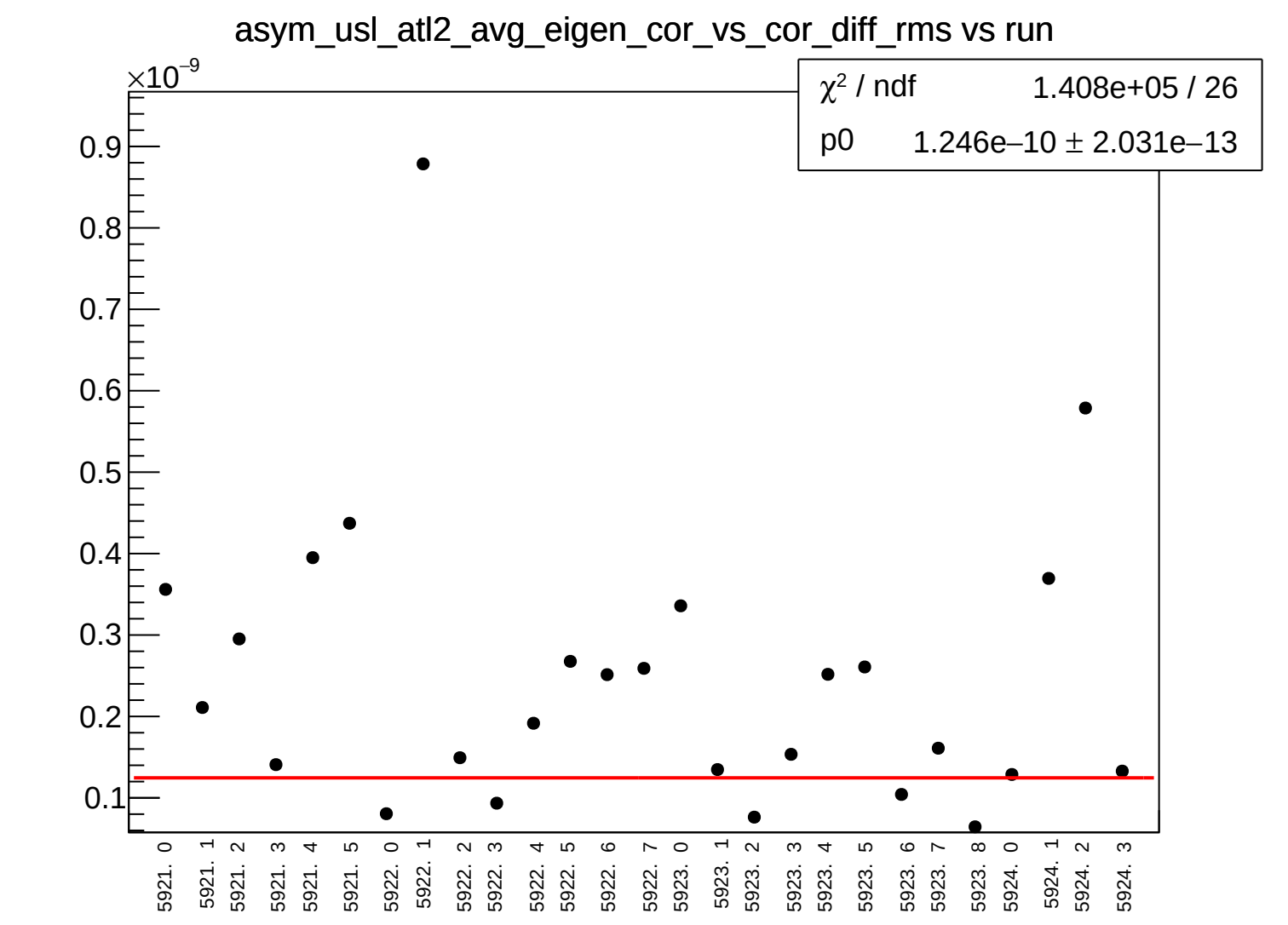

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.085e+04 / 26
p0 86.77 ± 0.1299
450
400
350
300
250
200
150
100
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

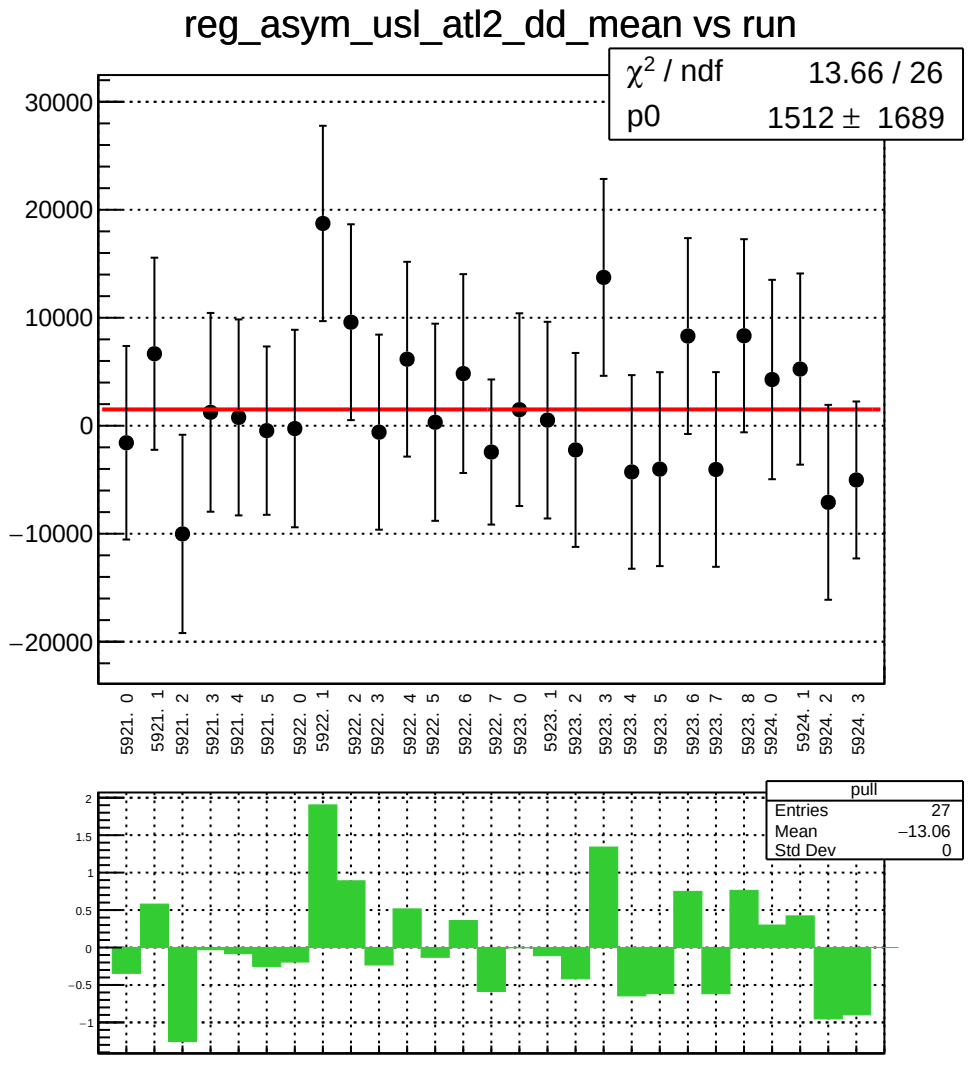

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 25.73 / 26
p0 0.1033 ± 0.1837
pull
Entries 27
Mean 13.3
Std Dev 13.44
pull1D
Entries 27
Mean 0.097
Std Dev 0.9714

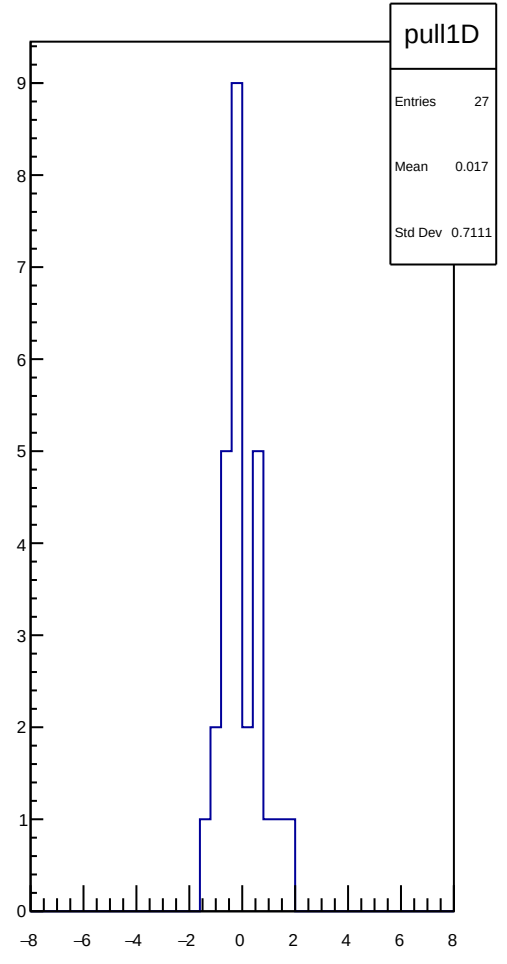

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.085e+04 / 26
p0 86.77 ± 0.1299
450
400
350
300
250
200
150
100
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

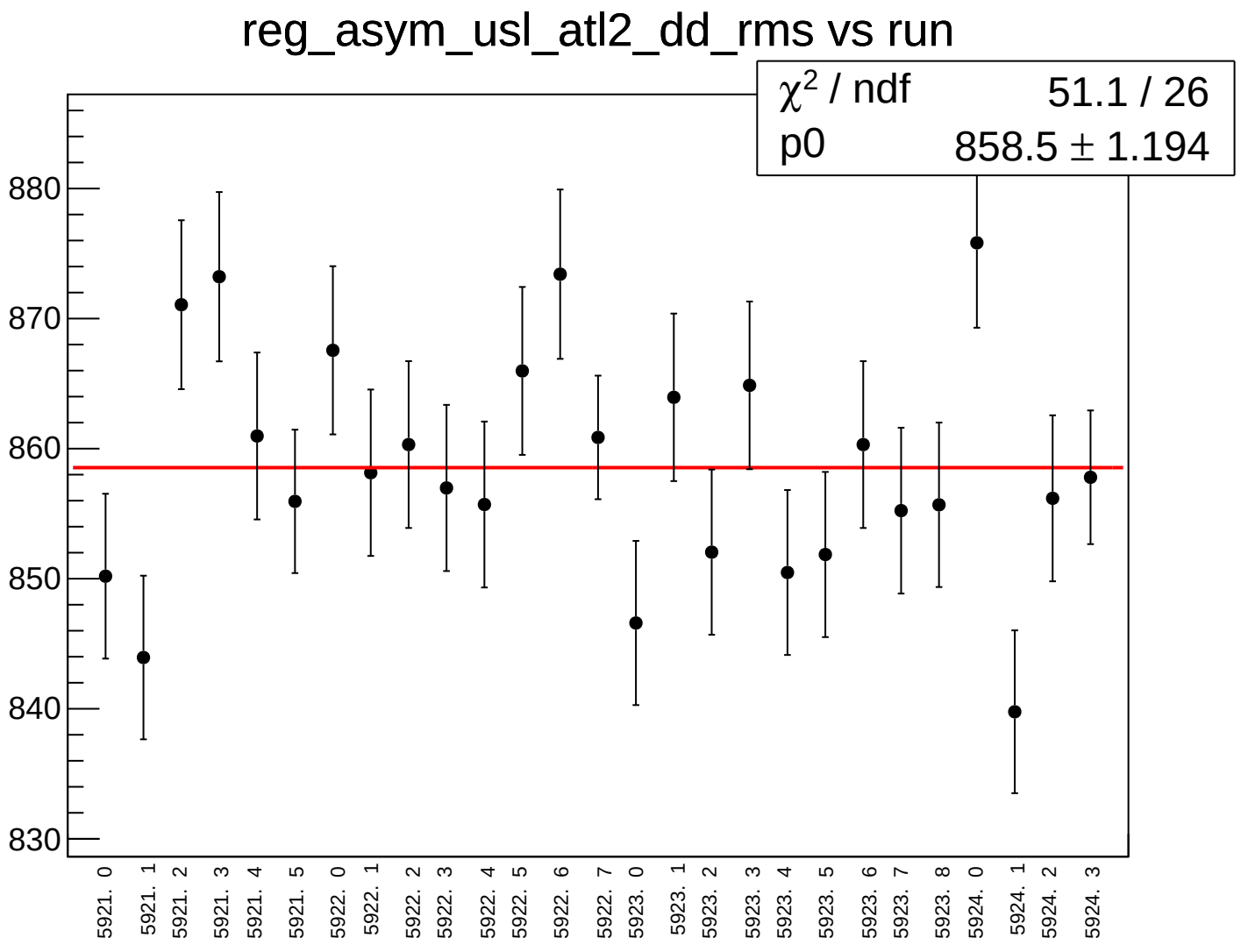

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 25.04 / 26
p0 3.825e−13 ± 2.872e−13
10
5
0
−5
−10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −9.981
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

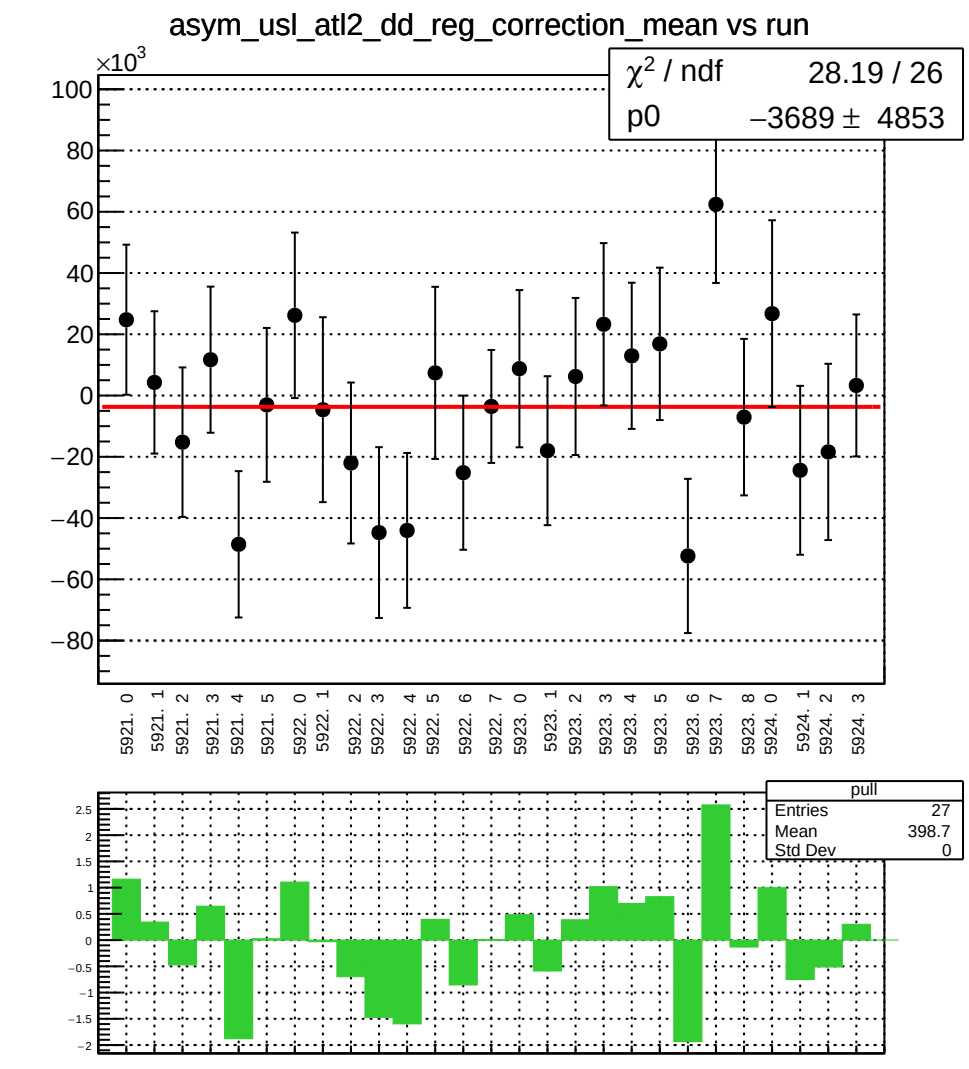

pull1D
Entries 27
Mean 0.09027
Std Dev 0.9588
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

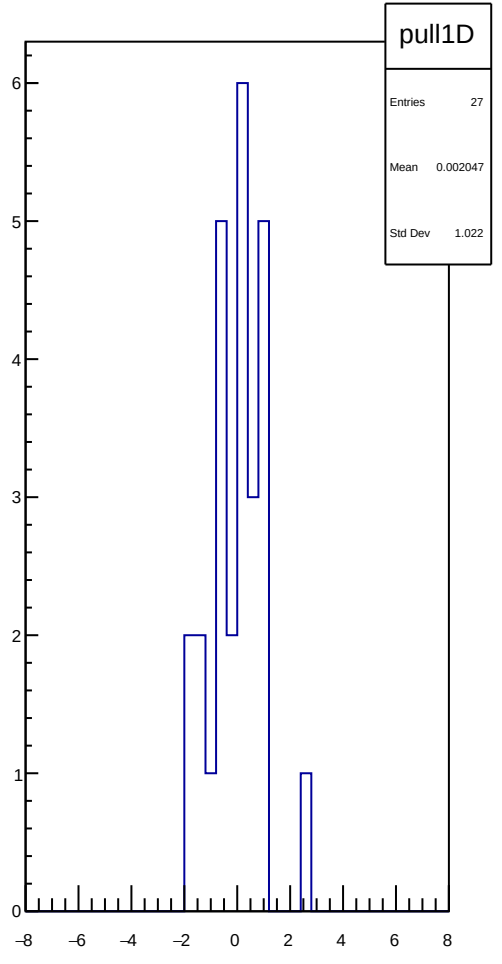

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.408e+05 / 26
p0 1.246e−10 ± 2.031e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

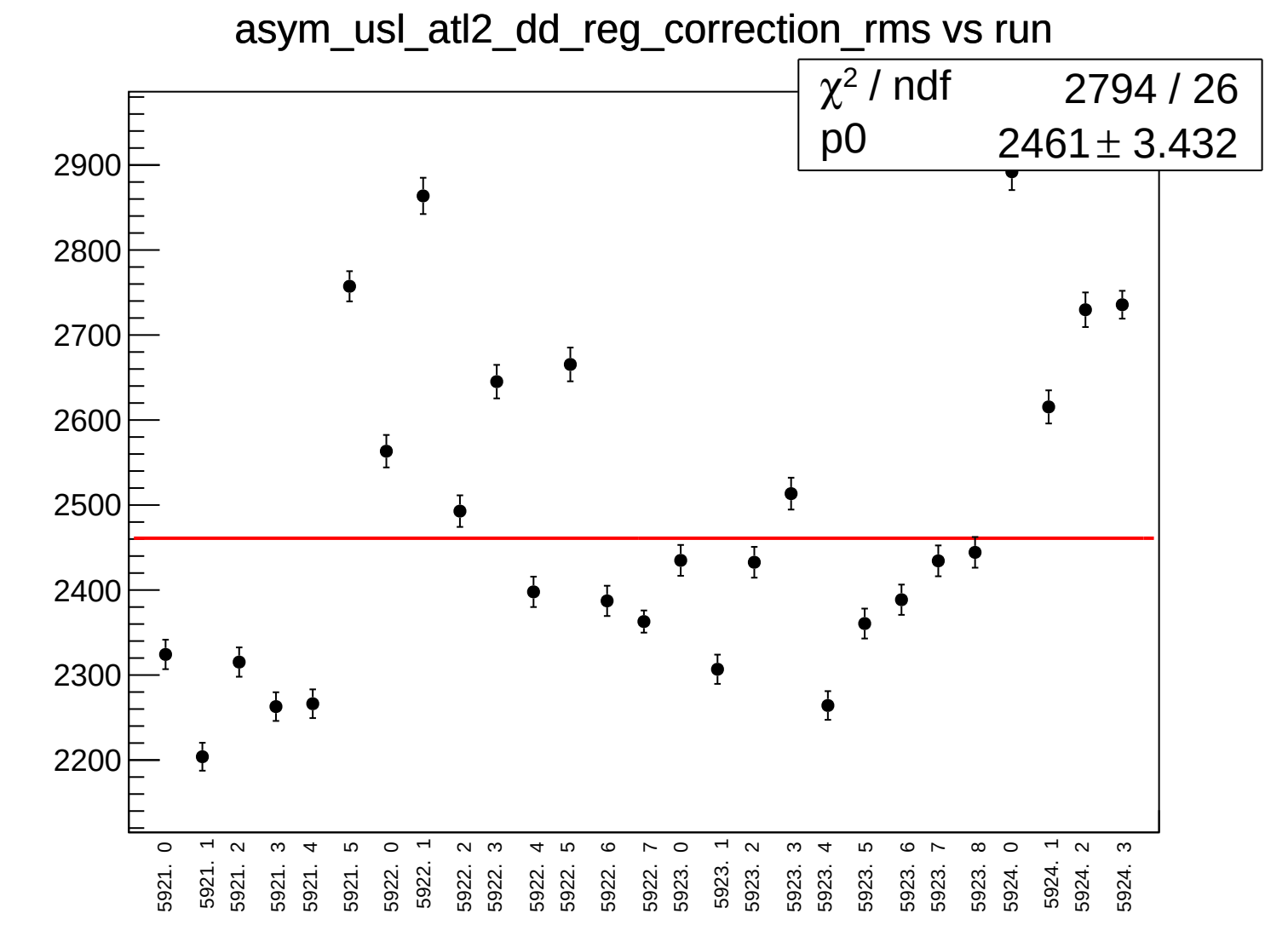

reg_asym_usl_atl2_dd_mean vs run
χ² / ndf 13.66 / 26
p0 1512 ± 1689
30000
20000
10000
0
−10000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −13.06
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1

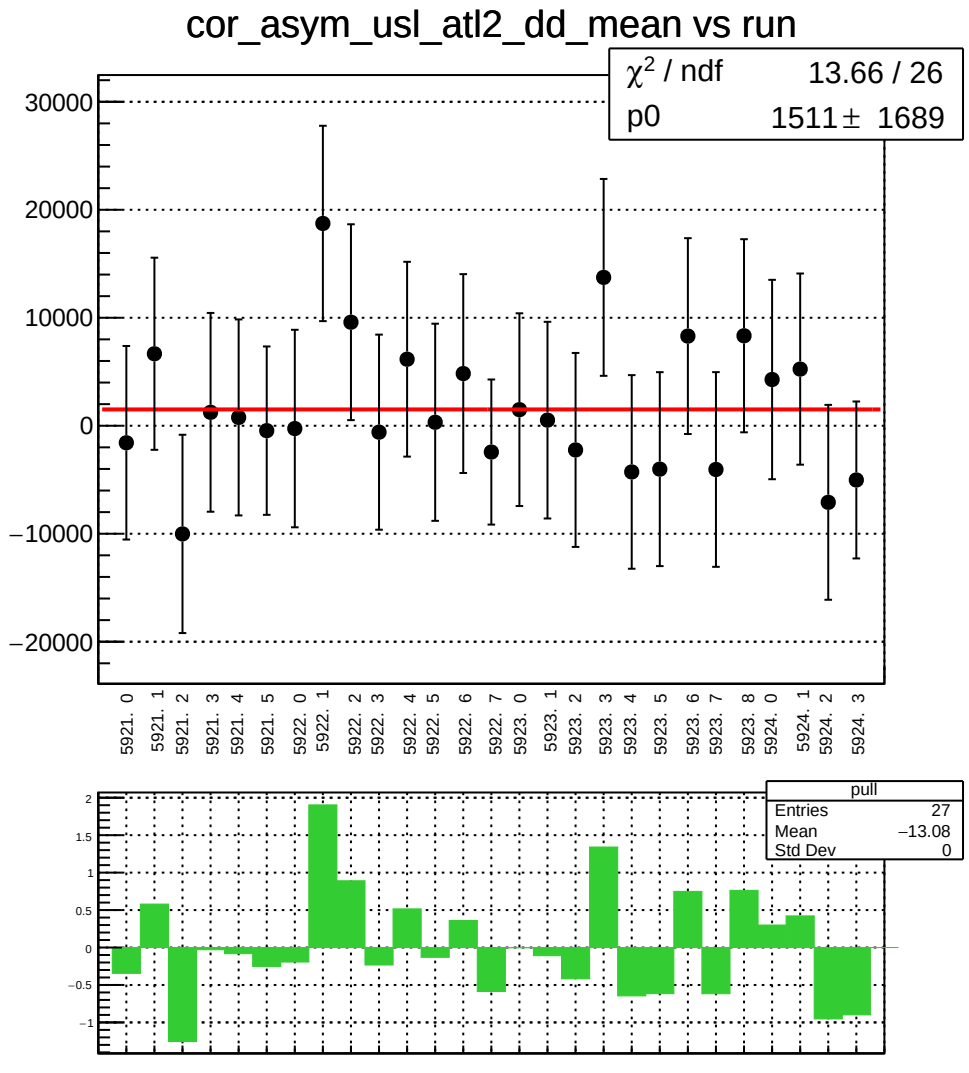

pull1D
Entries 27
Mean 0.017
Std Dev 0.7111
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

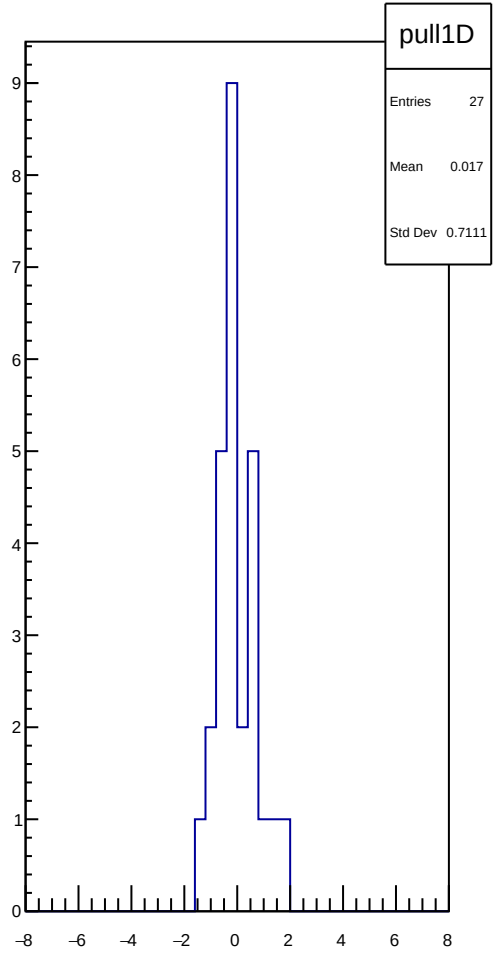

reg_asym_usl_atl2_dd_rms vs run
χ² / ndf 51.1 / 26
p0 858.5 ± 1.194
880
870
860
850
840
830
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

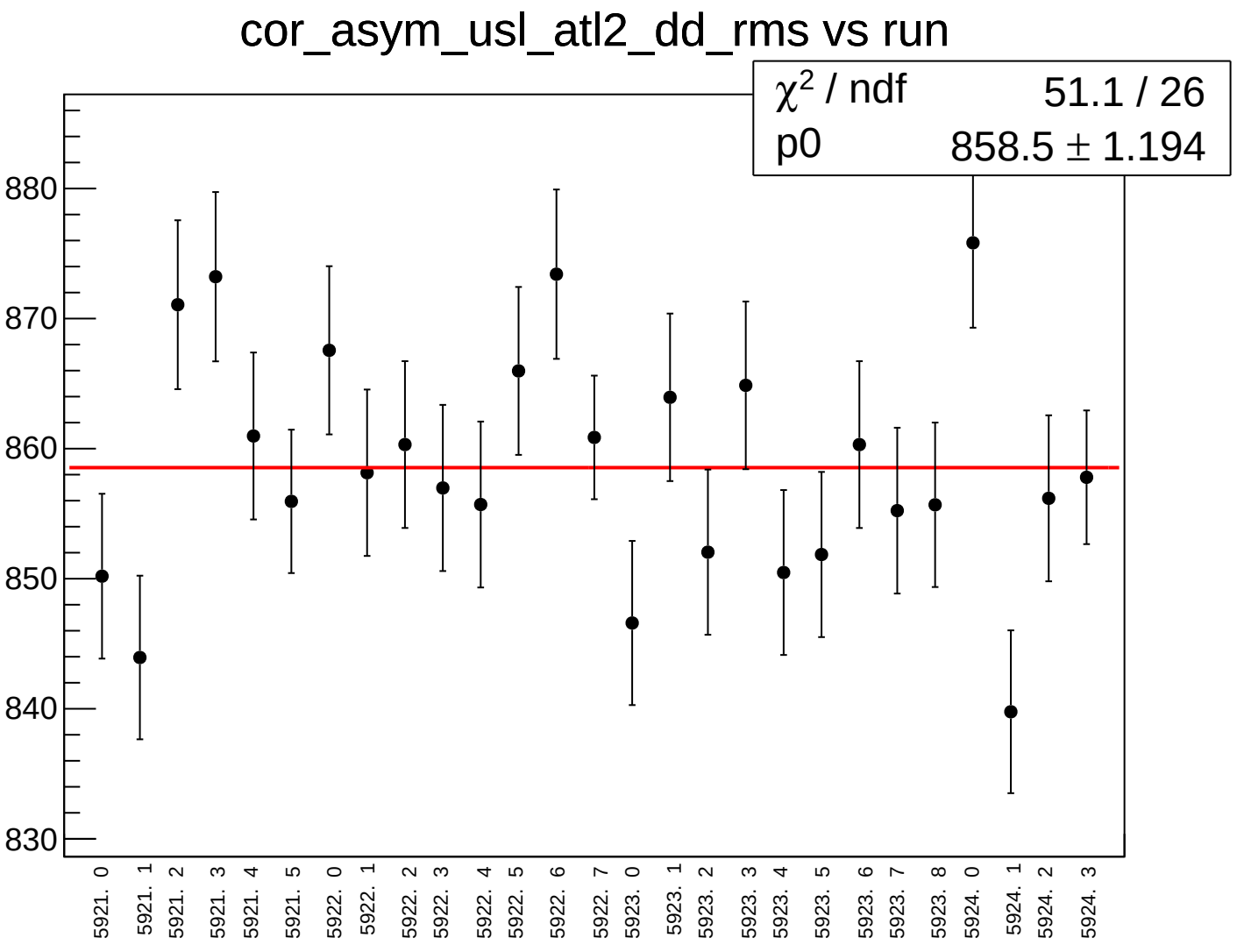

asym_usl_atl2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 28.19 / 26
p0 −3689 ± 4853
100
80
60
40
20
0
−20
−40
−60
−80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 398.7
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

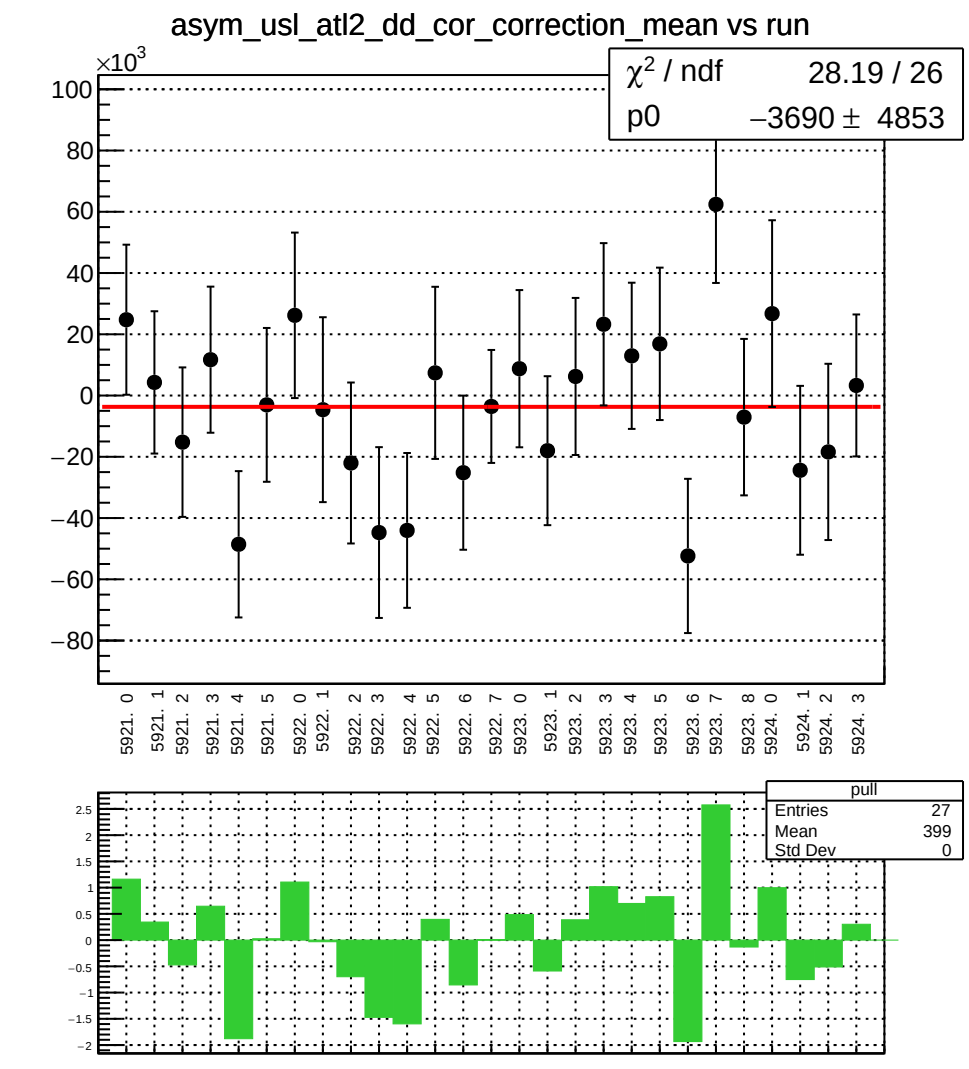

pull1D
Entries 27
Mean 0.002047
Std Dev 1.022
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

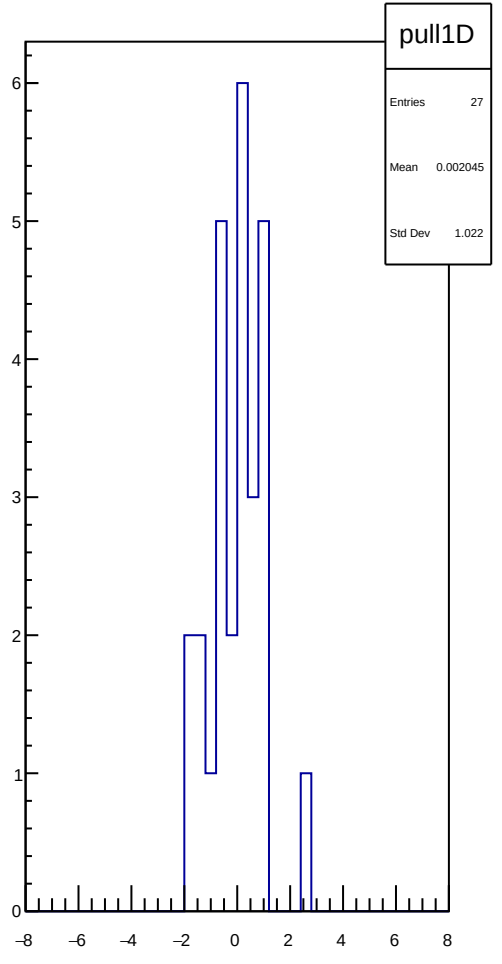

asym_usl_atl2_dd_reg_correction_rms vs run
χ² / ndf 2794 / 26
p0 2461 ± 3.432
2900
2800
2700
2600
2500
2400
2300
2200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

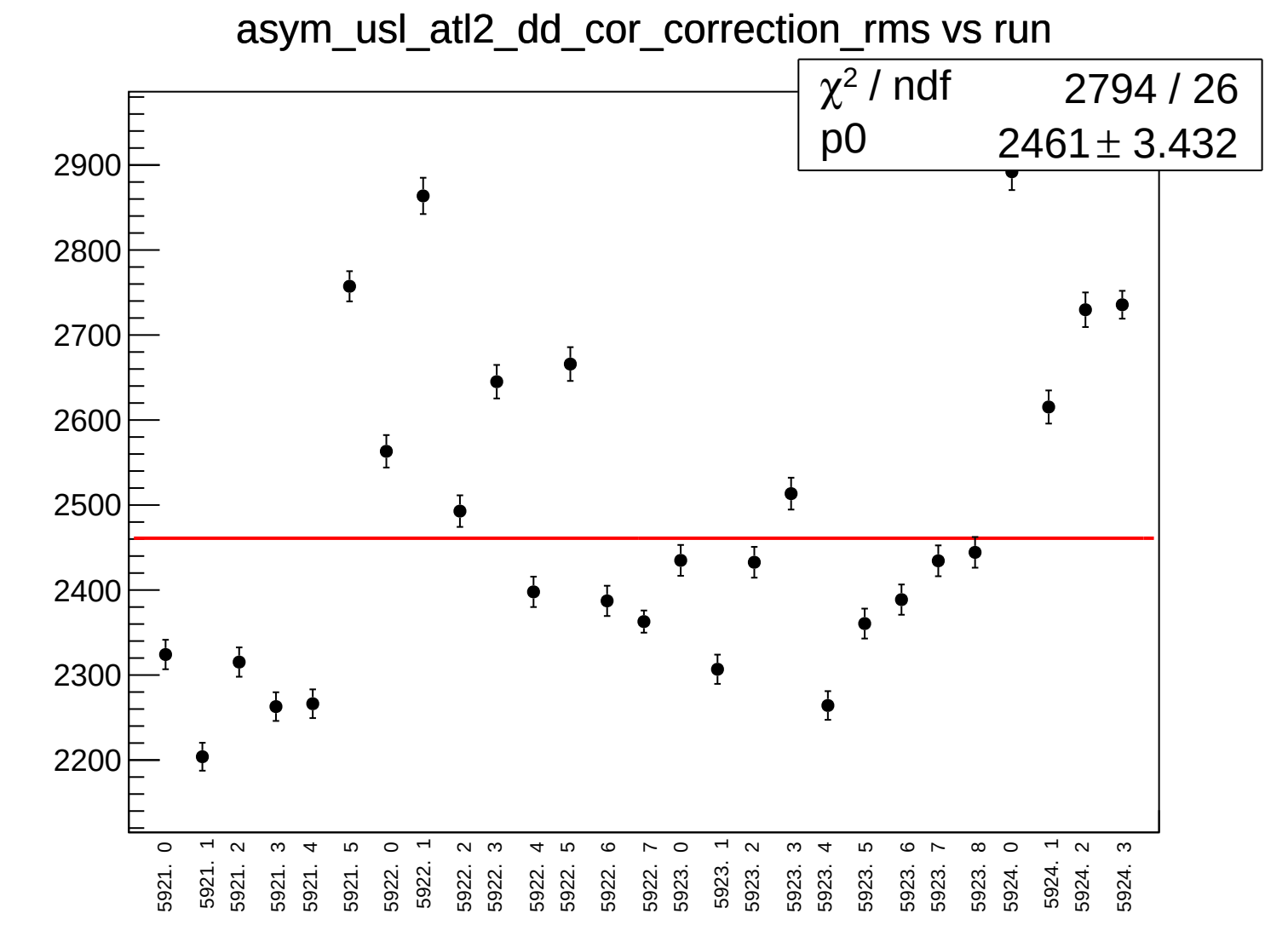

cor_asym_usl_atl2_dd_mean vs run
χ² / ndf 13.66 / 26
p0 1511 ± 1689
30000
20000
10000
0
−10000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −13.08
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1

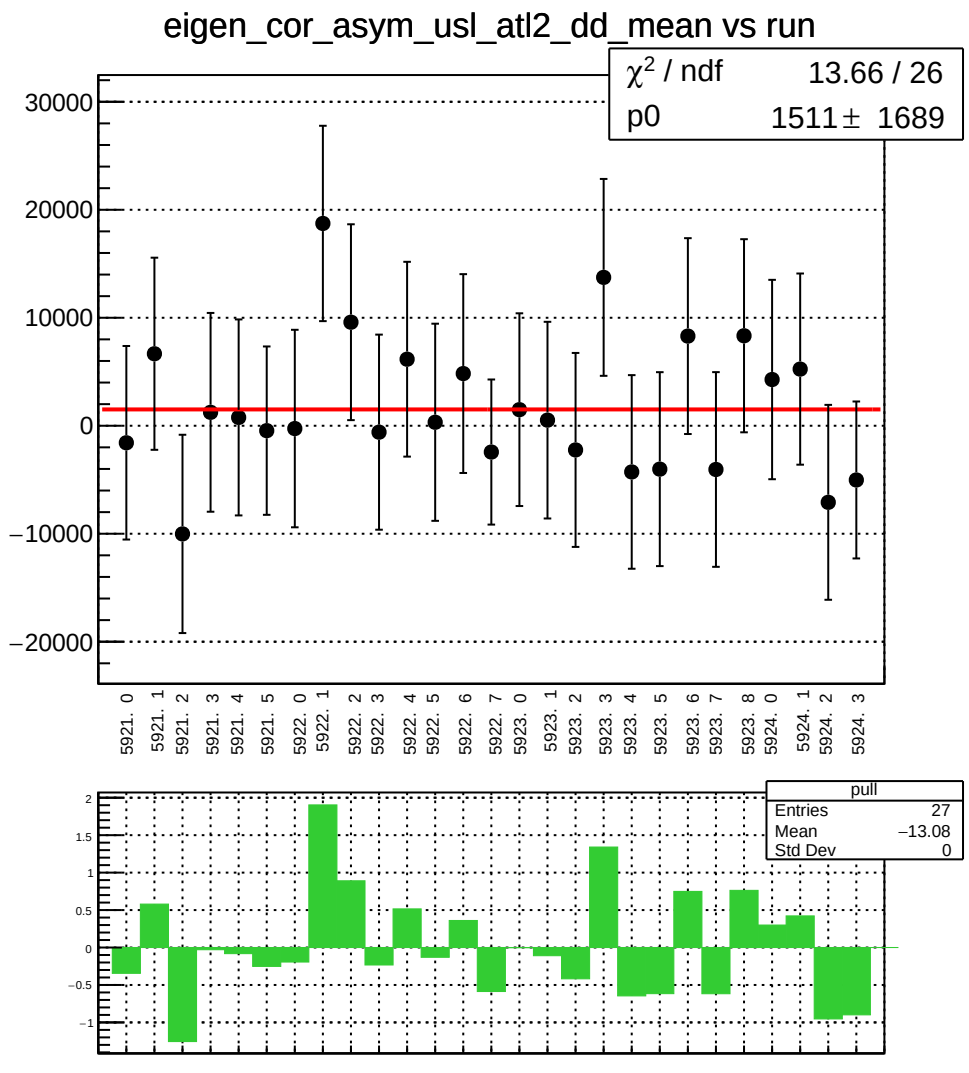

pull1D
Entries 27
Mean 0.017
Std Dev 0.7111
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

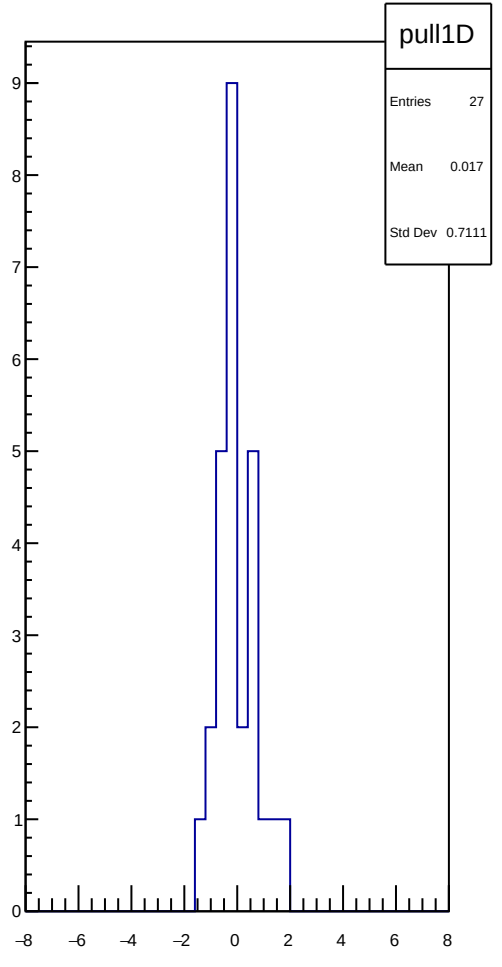

cor_asym_usl_atl2_dd_rms vs run
χ² / ndf 51.1 / 26
p0 858.5 ± 1.194
880
870
860
850
840
830
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

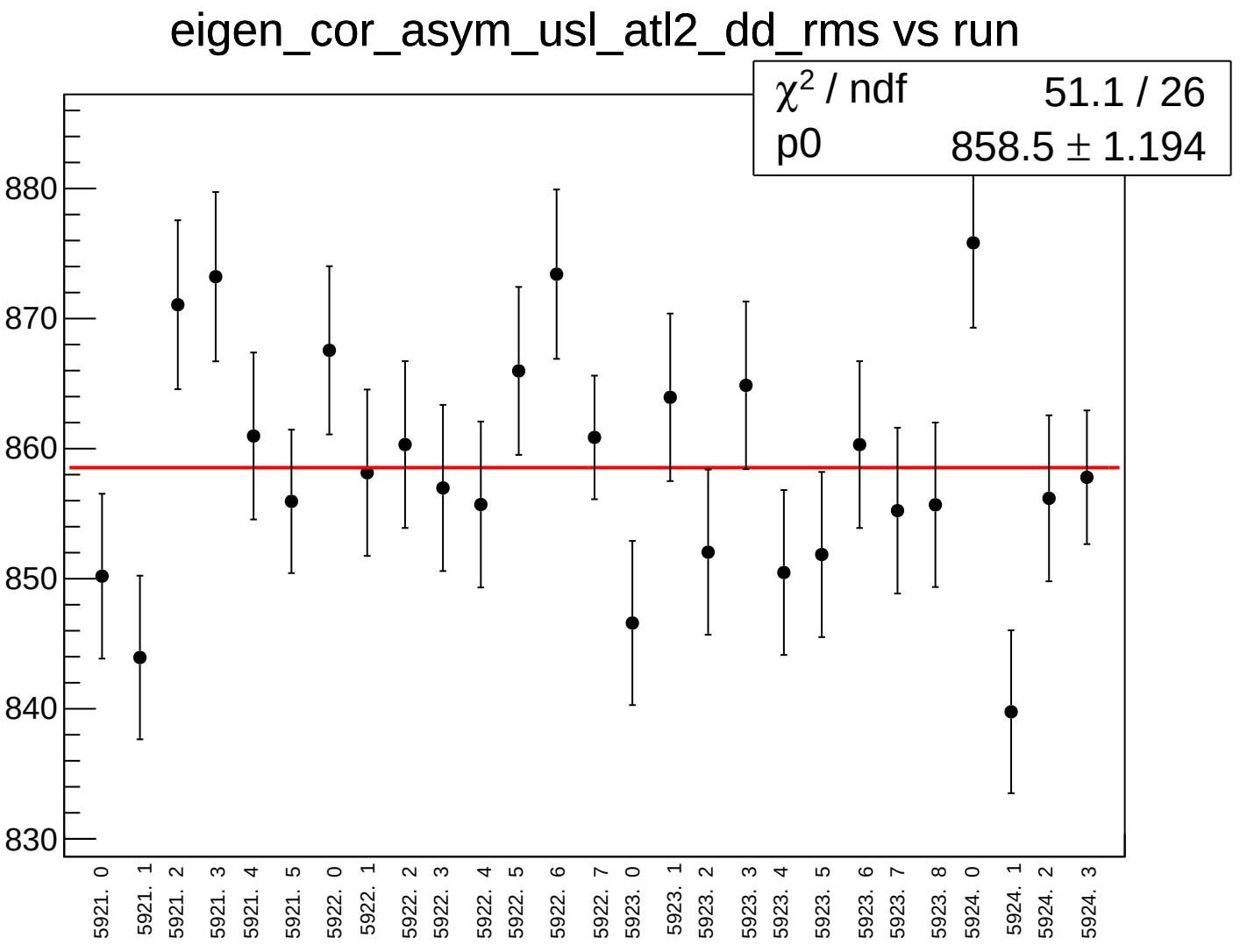

asym_usl_atl2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 28.19 / 26
p0 −3690 ± 4853
100
80
60
40
20
0
−20
−40
−60
−80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 399
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

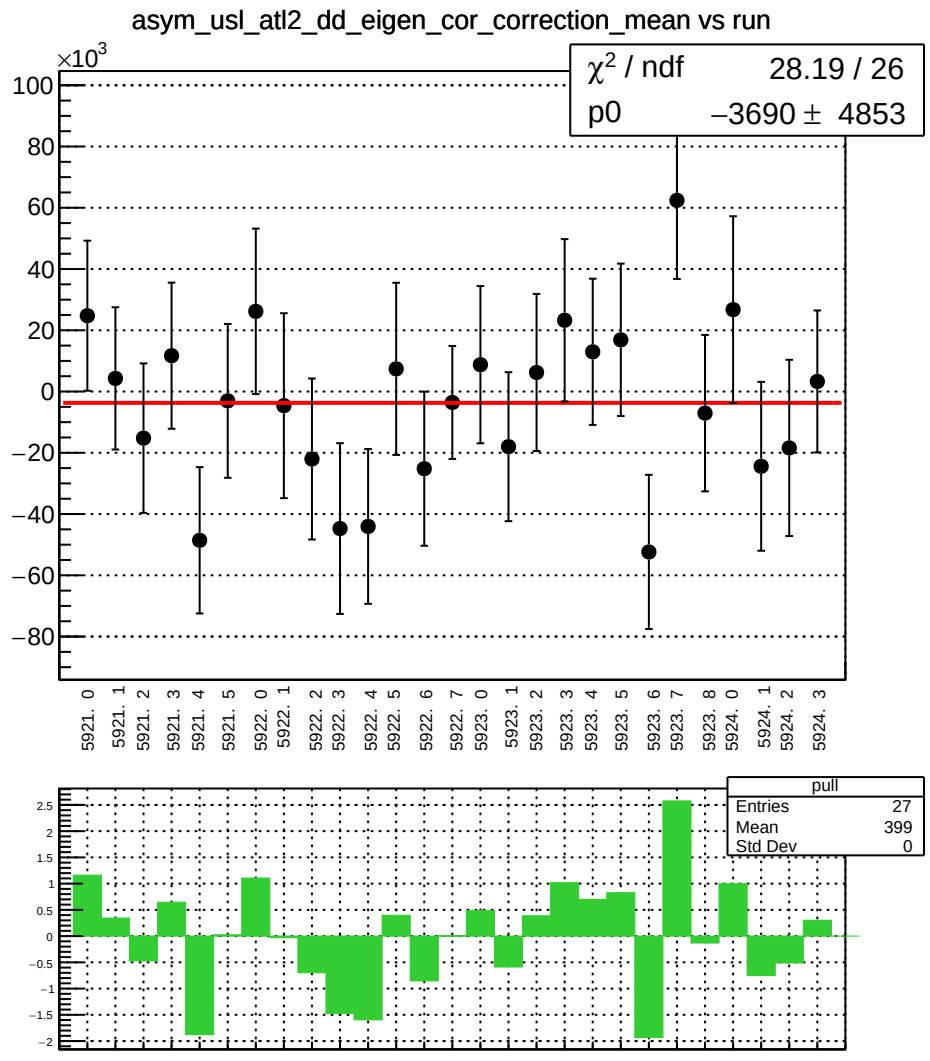

pull1D
Entries 27
Mean 0.002045
Std Dev 1.022
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

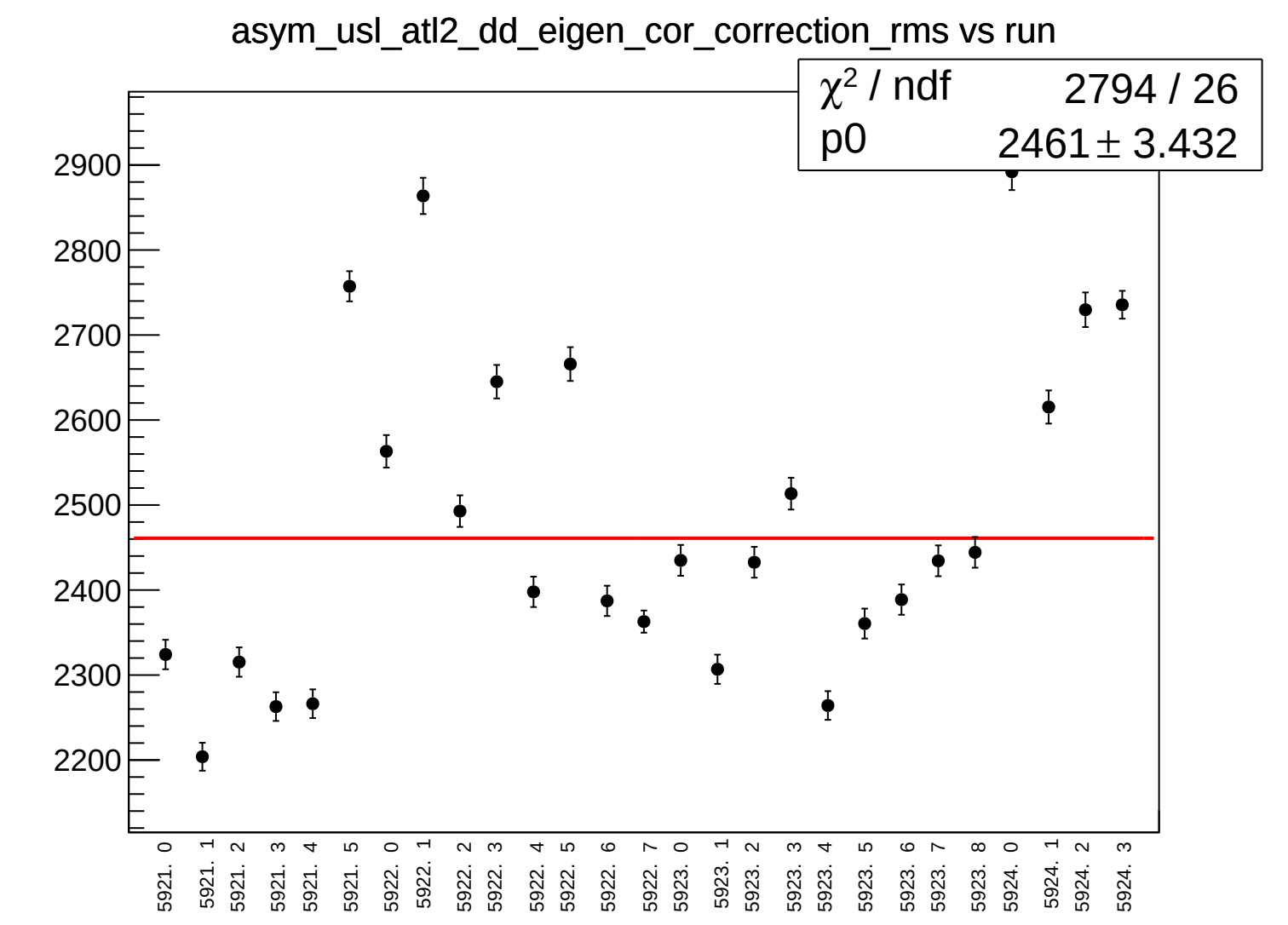

asym_usl_atl2_dd_cor_correction_rms vs run
χ² / ndf 2794 / 26
p0 2461 ± 3.432
2900
2800
2700
2600
2500
2400
2300
2200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

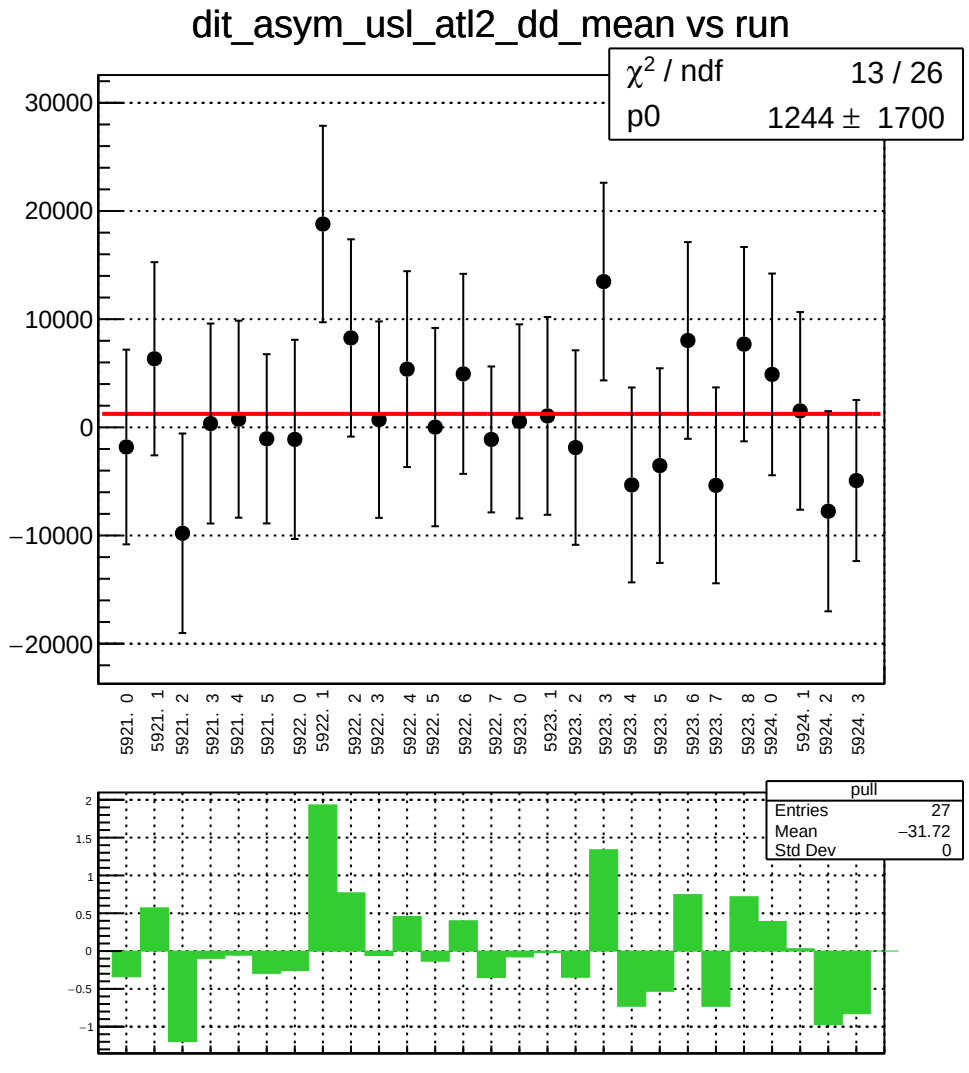

eigen_cor_asym_usl_atl2_dd_mean vs run
χ² / ndf 13.66 / 26
p0 1511 ± 1689
30000
20000
10000
0
−10000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −13.08
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1

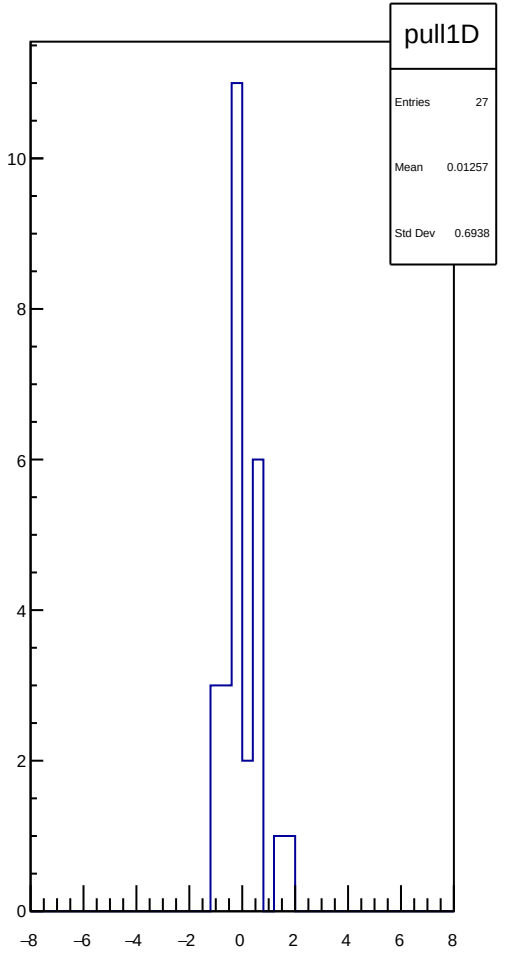

pull1D
Entries 27
Mean 0.017
Std Dev 0.7111
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

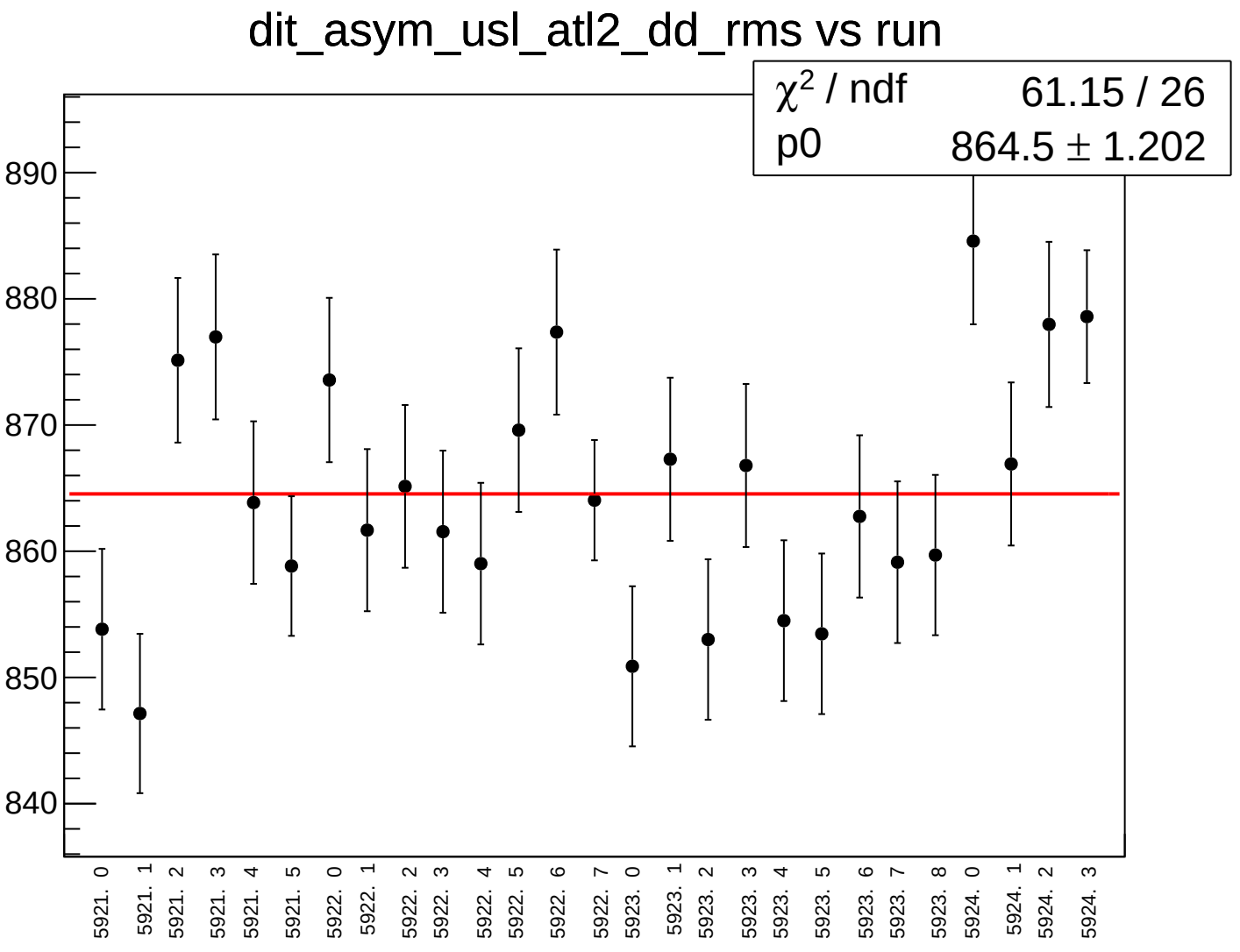

eigen_cor_asym_usl_atl2_dd_rms vs run
χ² / ndf 51.1 / 26
p0 858.5 ± 1.194
880
870
860
850
840
830
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

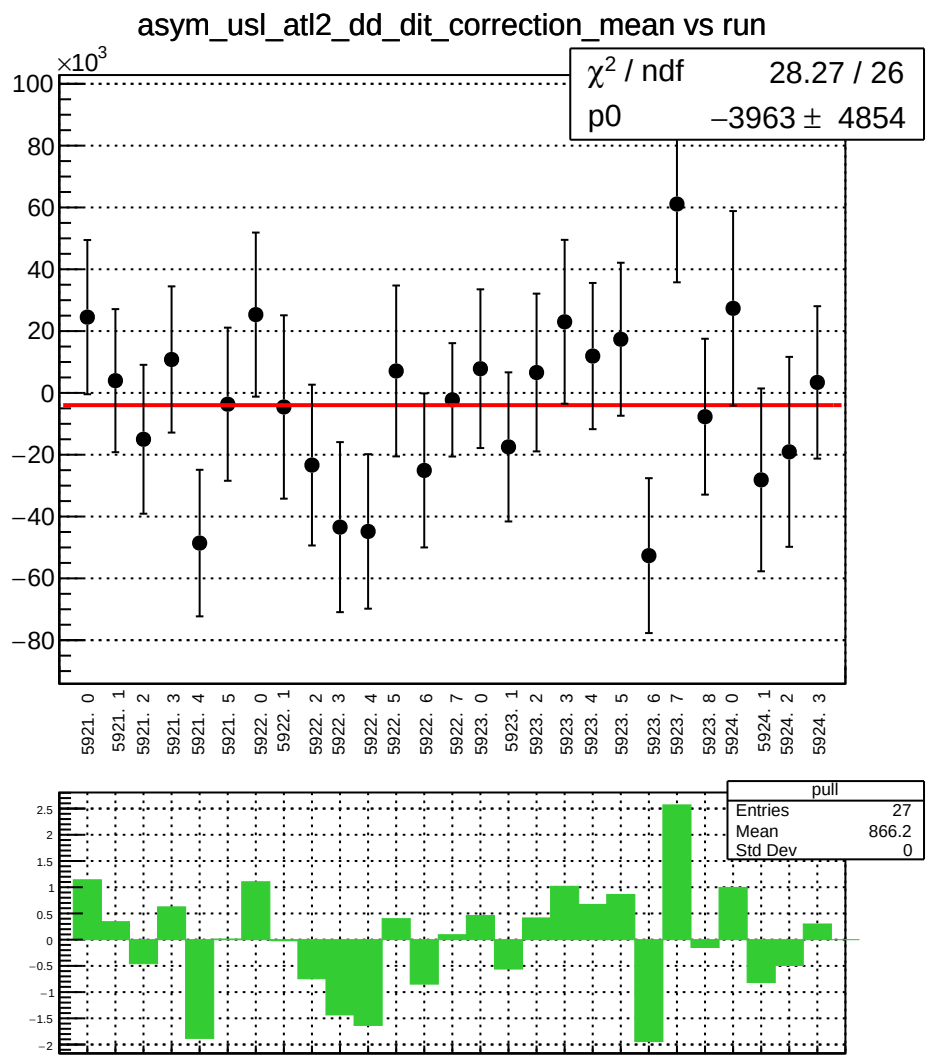

asym_usl_atl2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 28.19 / 26
p0 −3690 ± 4853
100
80
60
40
20
0
−20
−40
−60
−80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 399
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean 0.002045
Std Dev 1.022
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

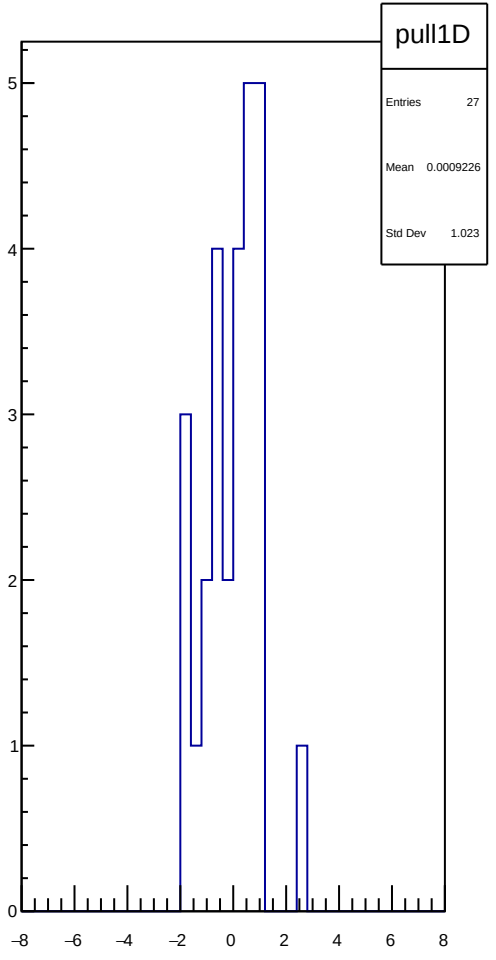

asym_usl_atl2_dd_eigen_cor_correction_rms vs run
χ² / ndf 2794 / 26
p0 2461 ± 3.432
2900
2800
2700
2600
2500
2400
2300
2200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

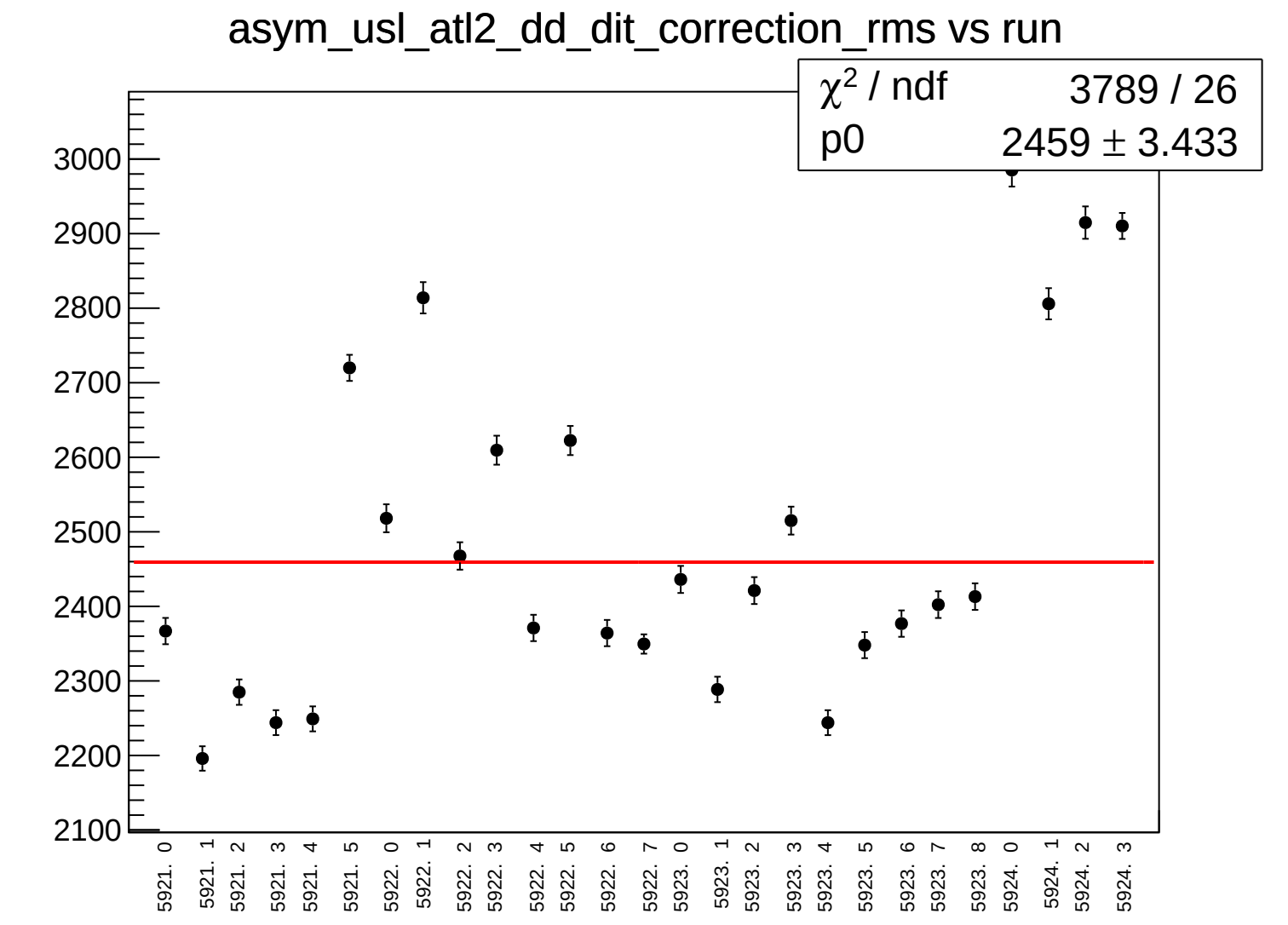

dit_asym_usl_atl2_dd_mean vs run
χ² / ndf 13 / 26
p0 1244 ± 1700
30000
20000
10000
0
−10000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −31.72
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1

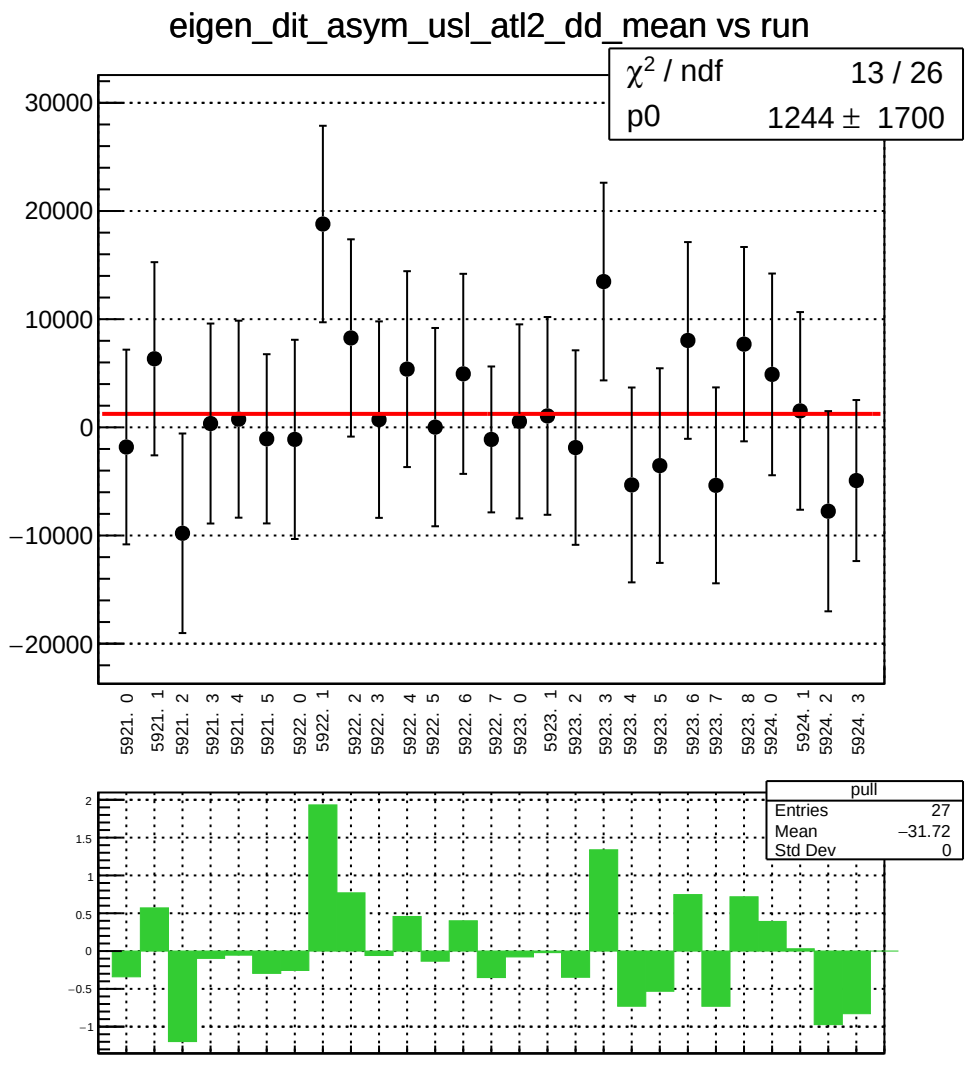

pull1D
Entries 27
Mean 0.01257
Std Dev 0.6938
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

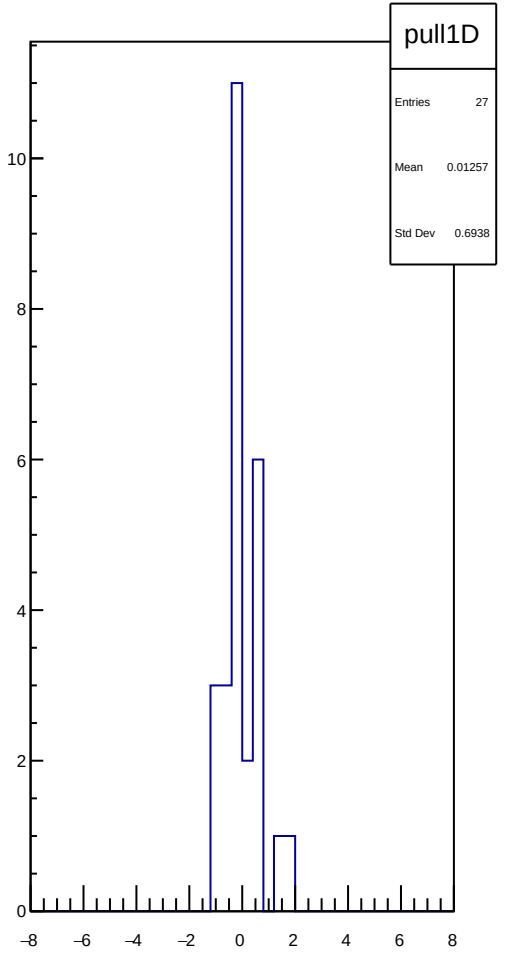

dit_asym_usl_atl2_dd_rms vs run
χ² / ndf 61.15 / 26
p0 864.5 ± 1.202
890
880
870
860
850
840
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

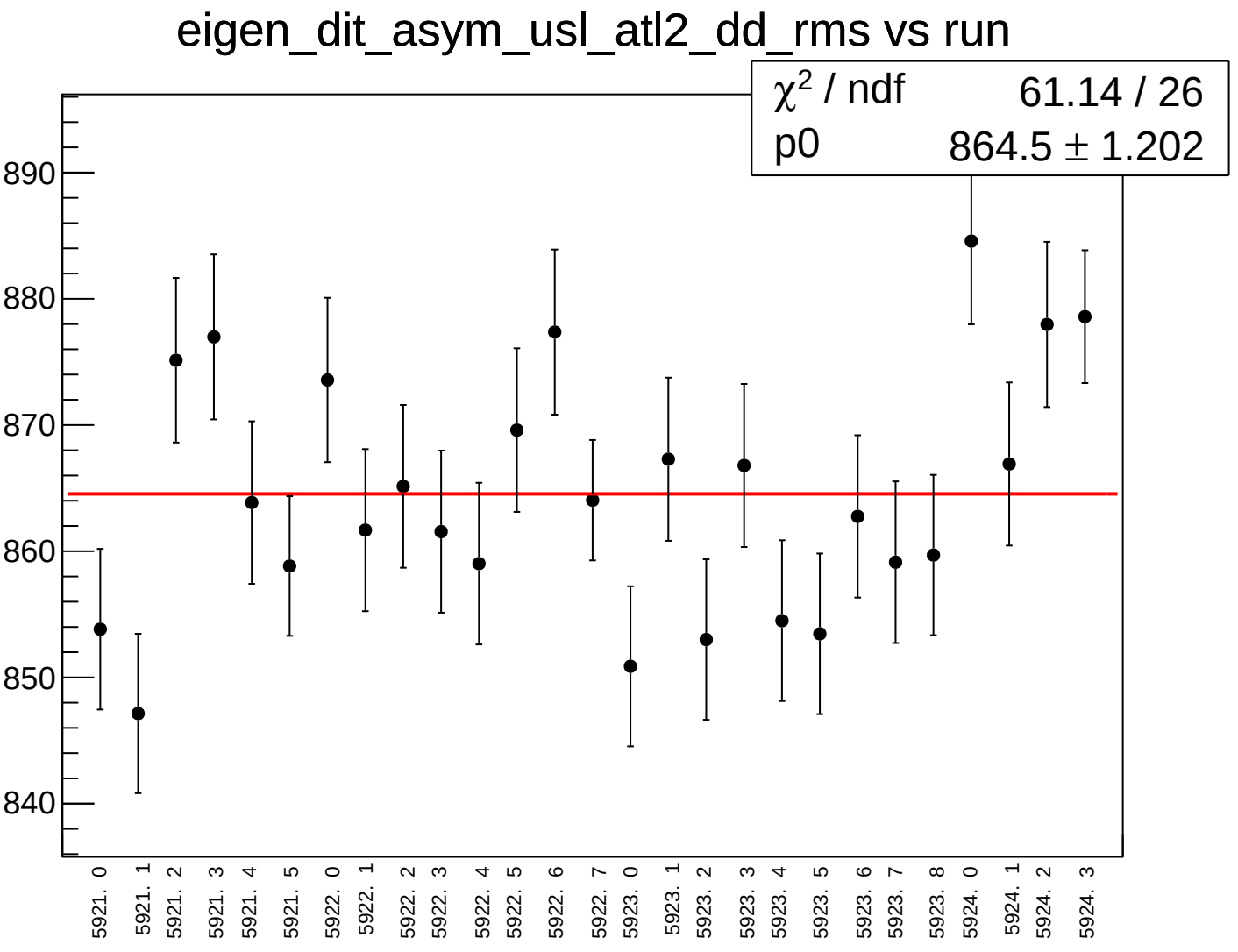

asym_usl_atl2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 28.27 / 26
p0 −3963 ± 4854
100
80
60
40
20
0
−20
−40
−60
−80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 866.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

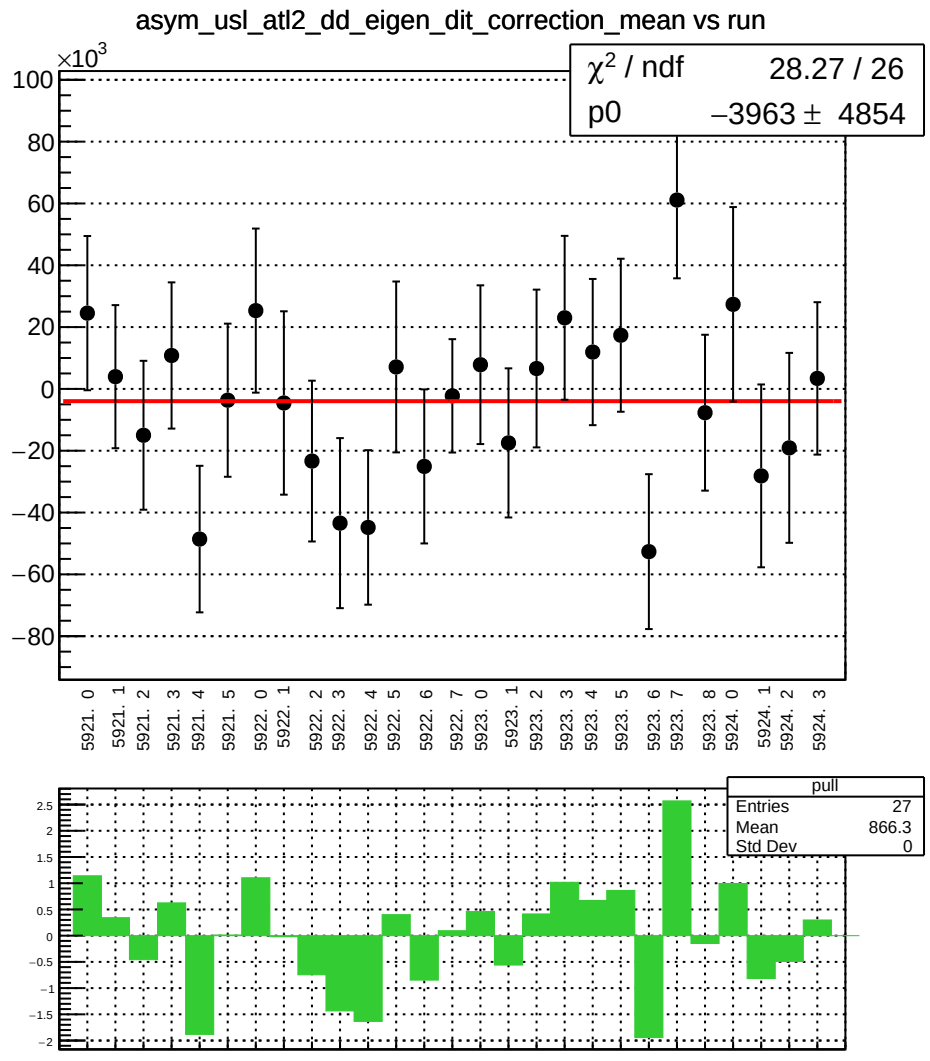

pull1D
Entries 27
Mean 0.0009226
Std Dev 1.023
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

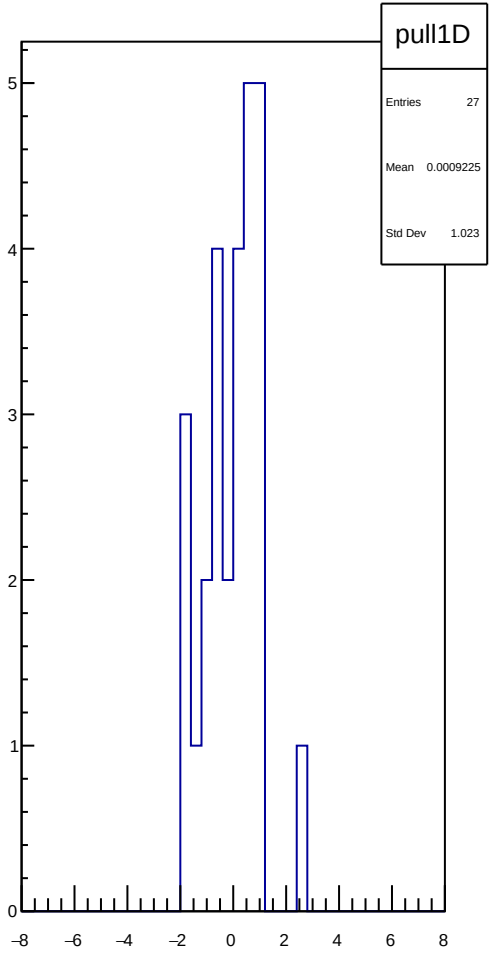

asym_usl_atl2_dd_dit_correction_rms vs run
χ² / ndf 3789 / 26
p0 2459 ± 3.433
3000
2900
2800
2700
2600
2500
2400
2300
2200
2100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

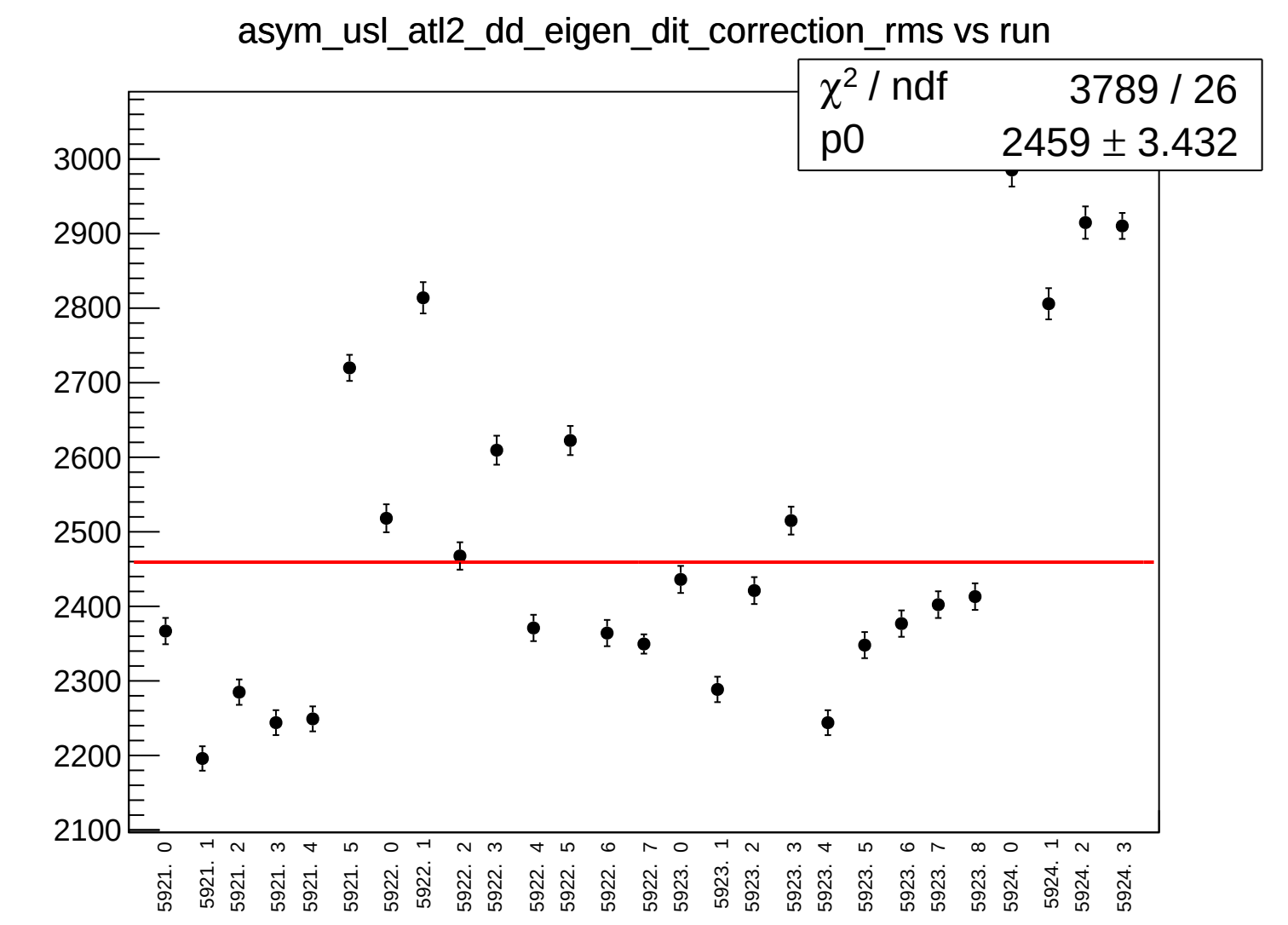

eigen_dit_asym_usl_atl2_dd_mean vs run
χ² / ndf 13 / 26
p0 1244 ± 1700
30000
20000
10000
0
−10000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −31.72
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1

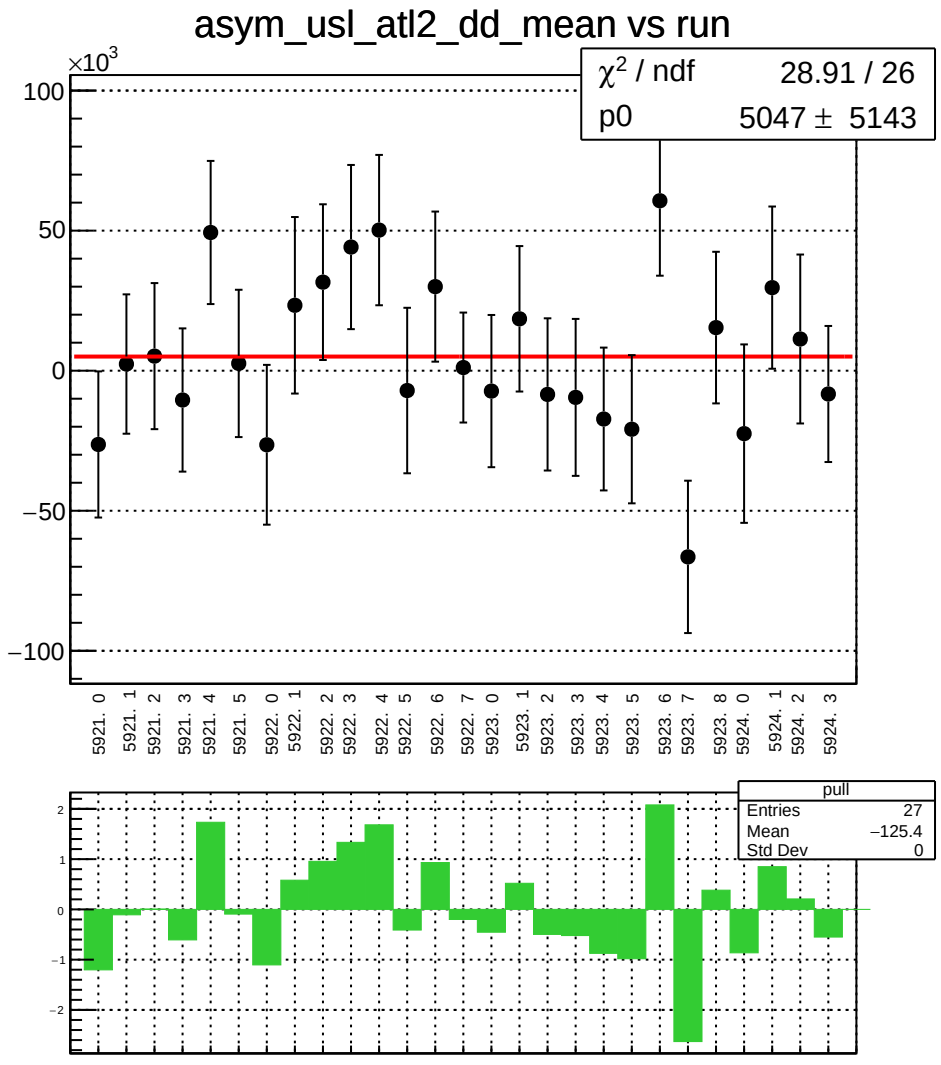

pull1D
Entries 27
Mean 0.01257
Std Dev 0.6938
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

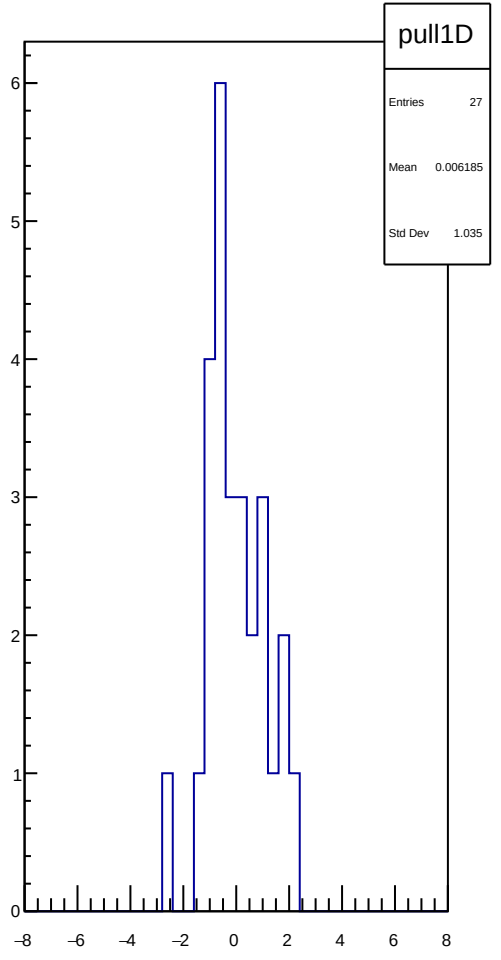

eigen_dit_asym_usl_atl2_dd_rms vs run
χ² / ndf 61.14 / 26
p0 864.5 ± 1.202
890
880
870
860
850
840
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

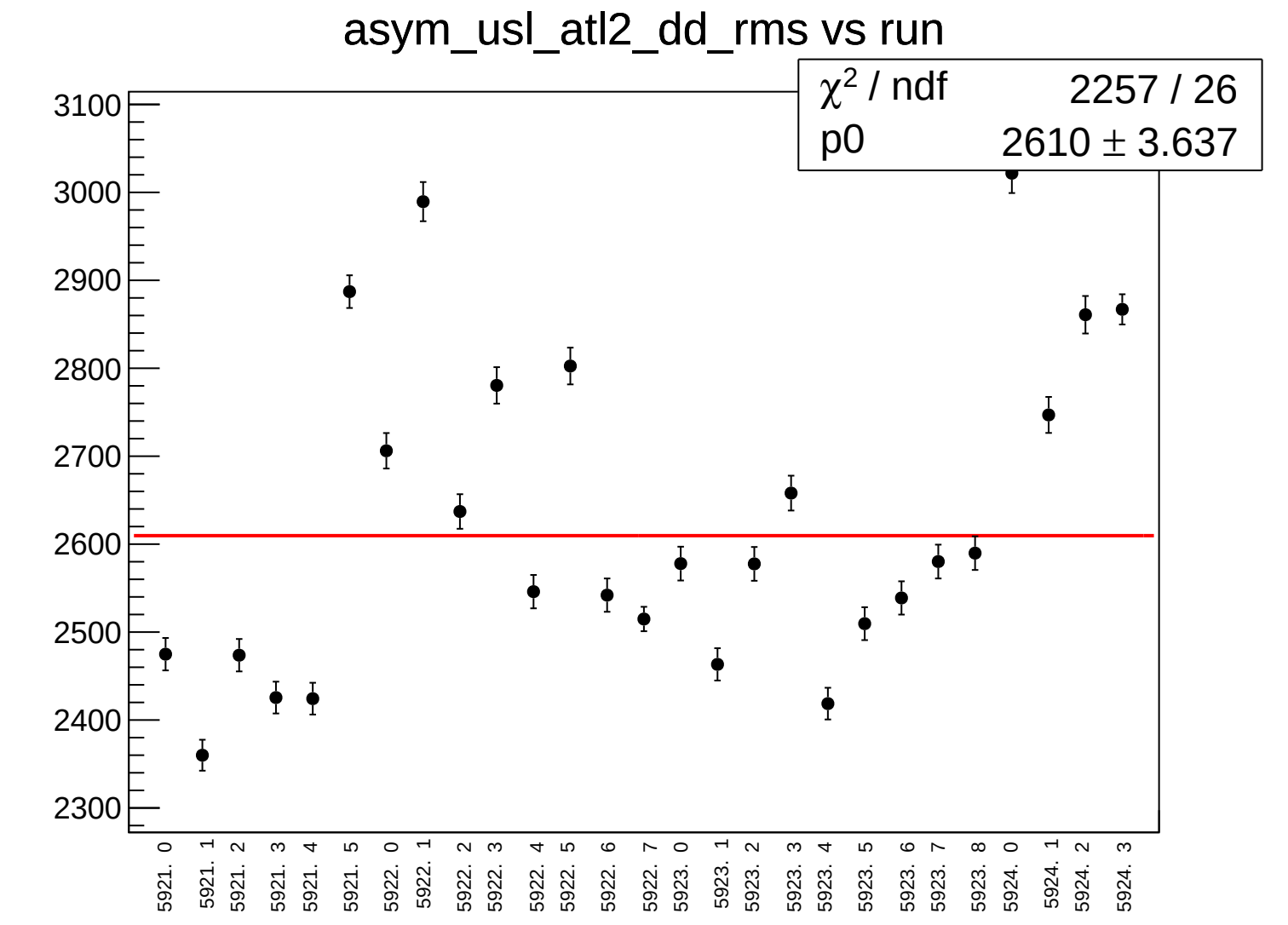

asym_usl_atl2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 28.27 / 26
p0 −3963 ± 4854
100
80
60
40
20
0
−20
−40
−60
−80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 866.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

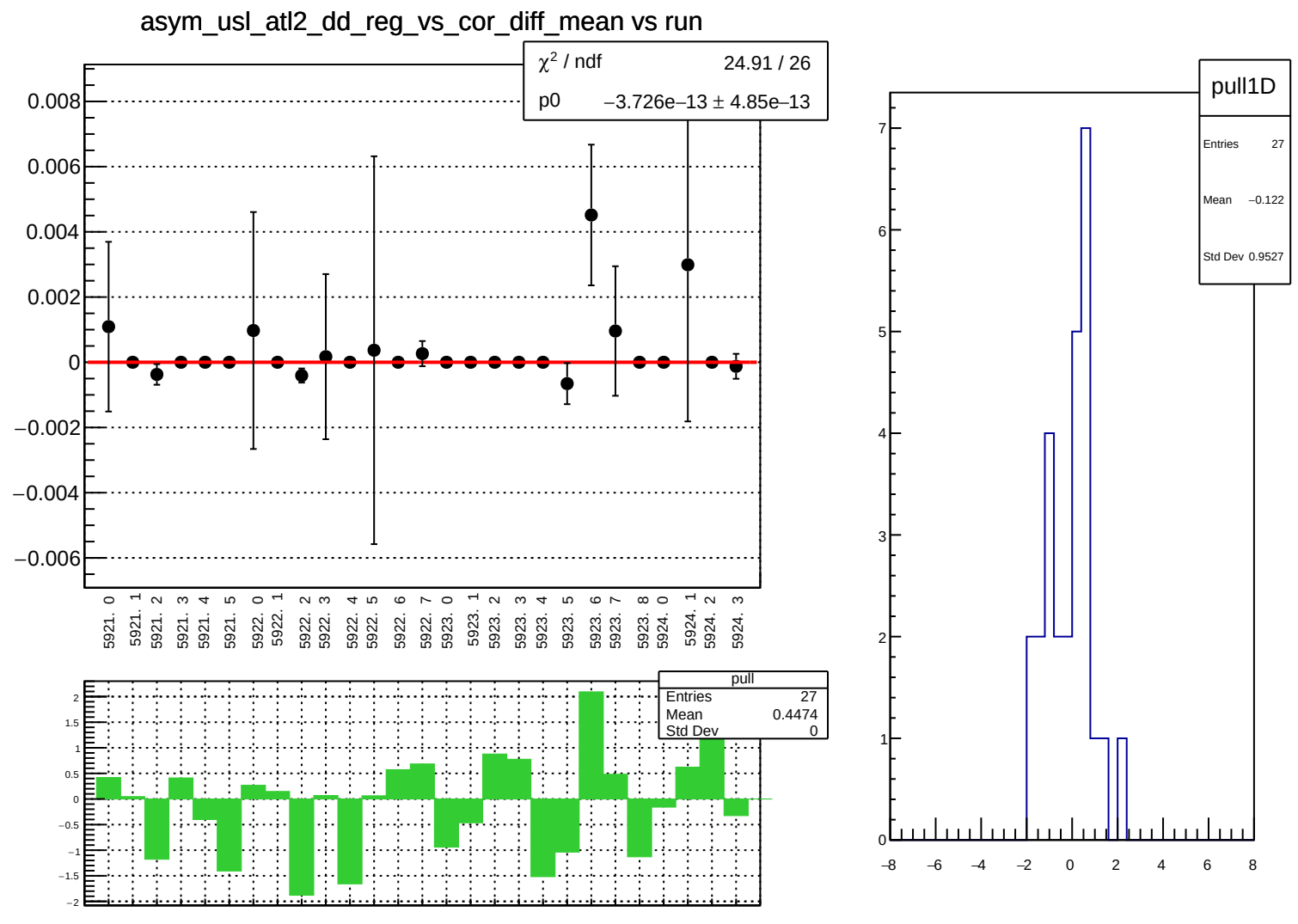

pull1D
Entries 27
Mean 0.0009225
Std Dev 1.023
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

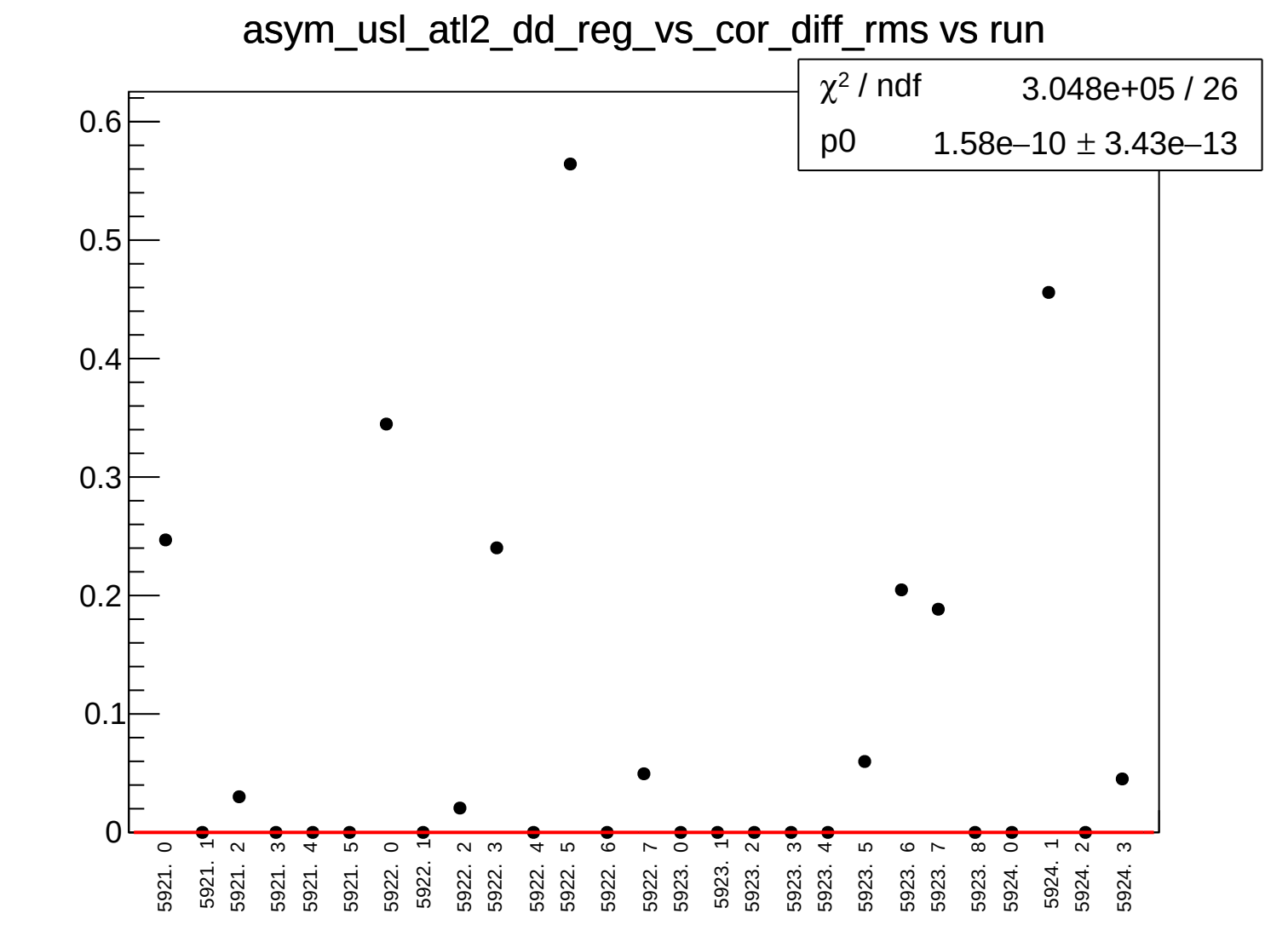

asym_usl_atl2_dd_eigen_dit_correction_rms vs run
χ² / ndf 3789 / 26
p0 2459 ± 3.432
3000
2900
2800
2700
2600
2500
2400
2300
2200
2100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

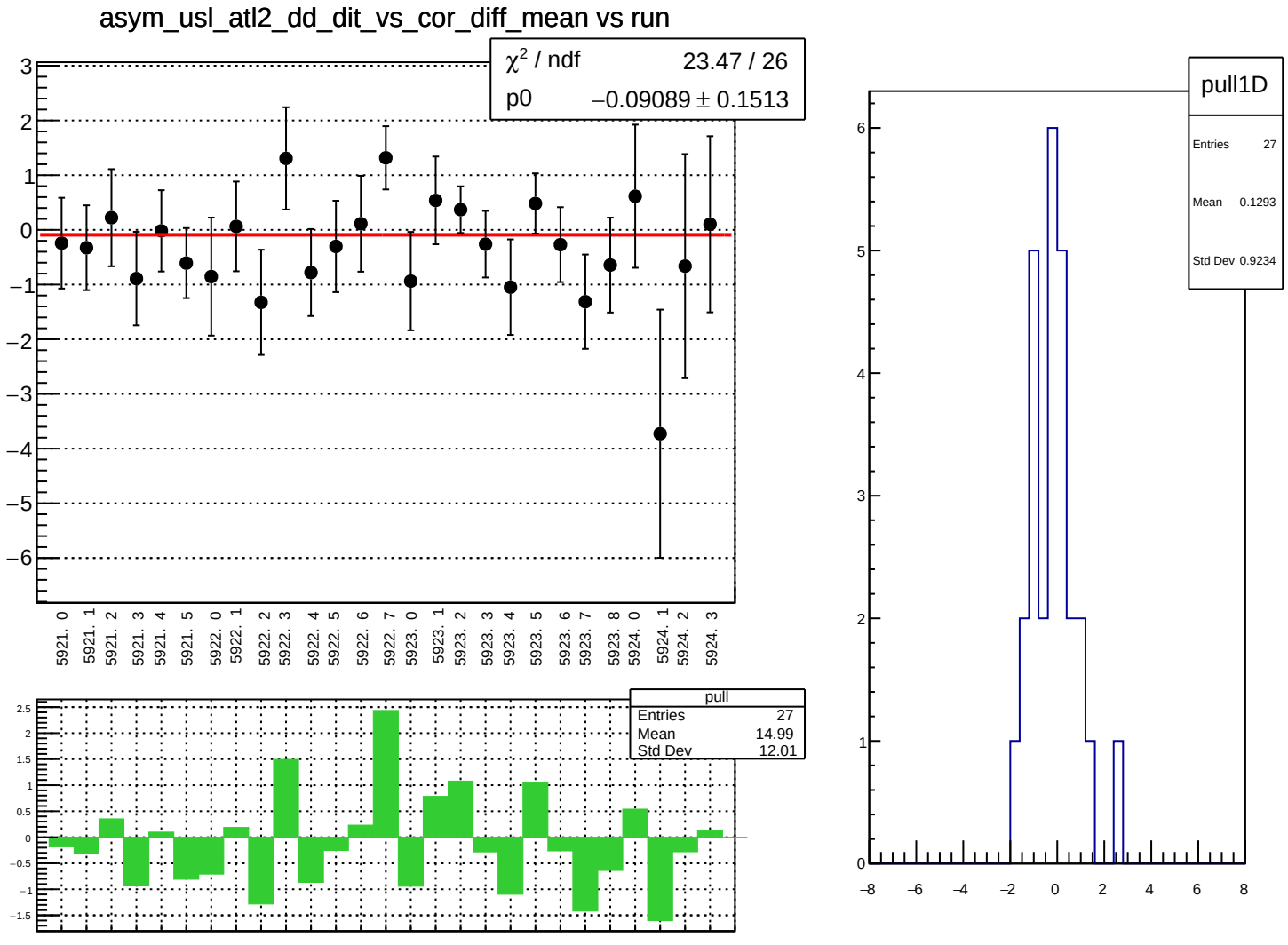

asym_usl_atl2_dd_mean vs run
×10^3
χ² / ndf 28.91 / 26
p0 5047 ± 5143
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −125.4
Std Dev 0
2
1
0
−1
−2

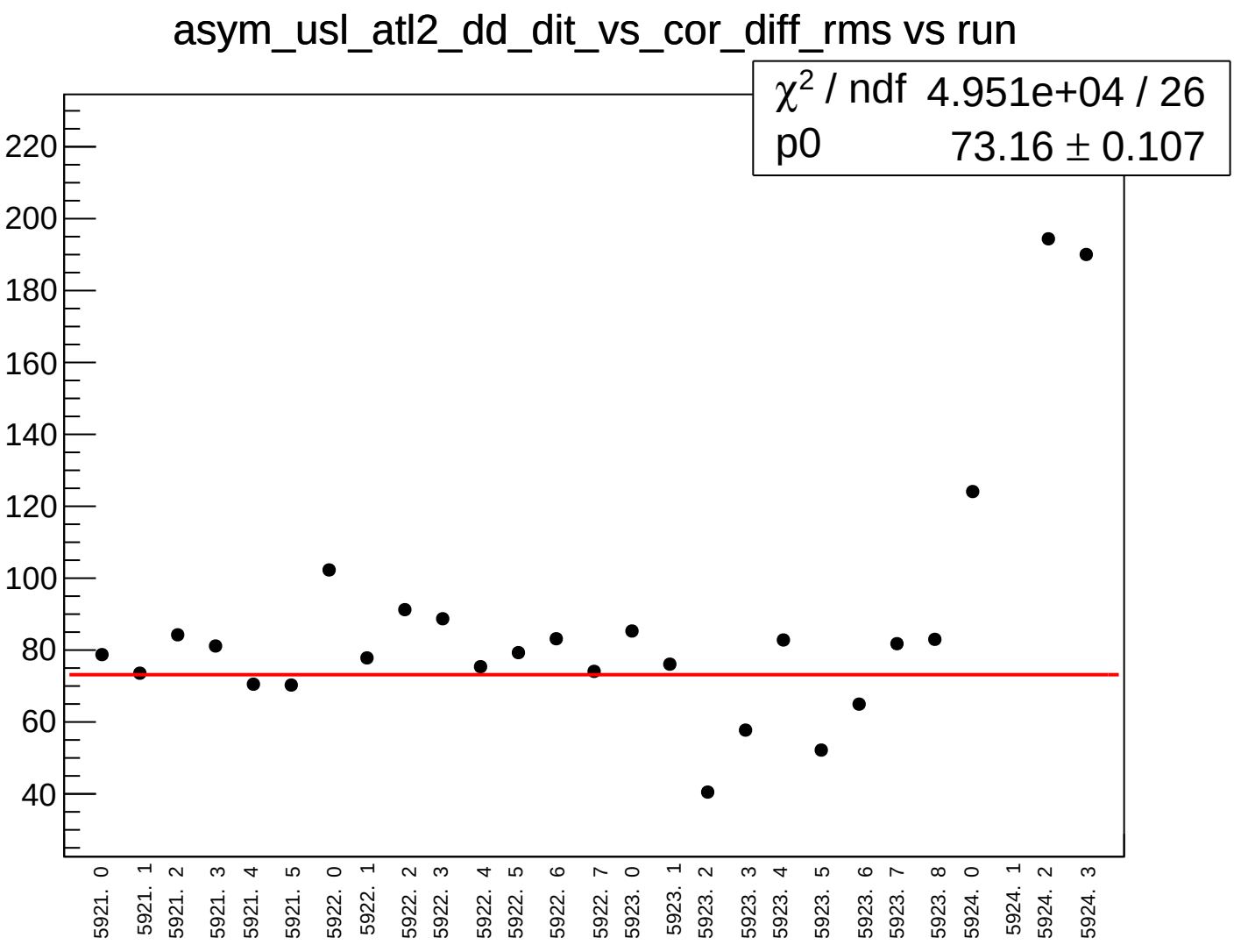

pull1D
Entries 27
Mean 0.006185
Std Dev 1.035
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

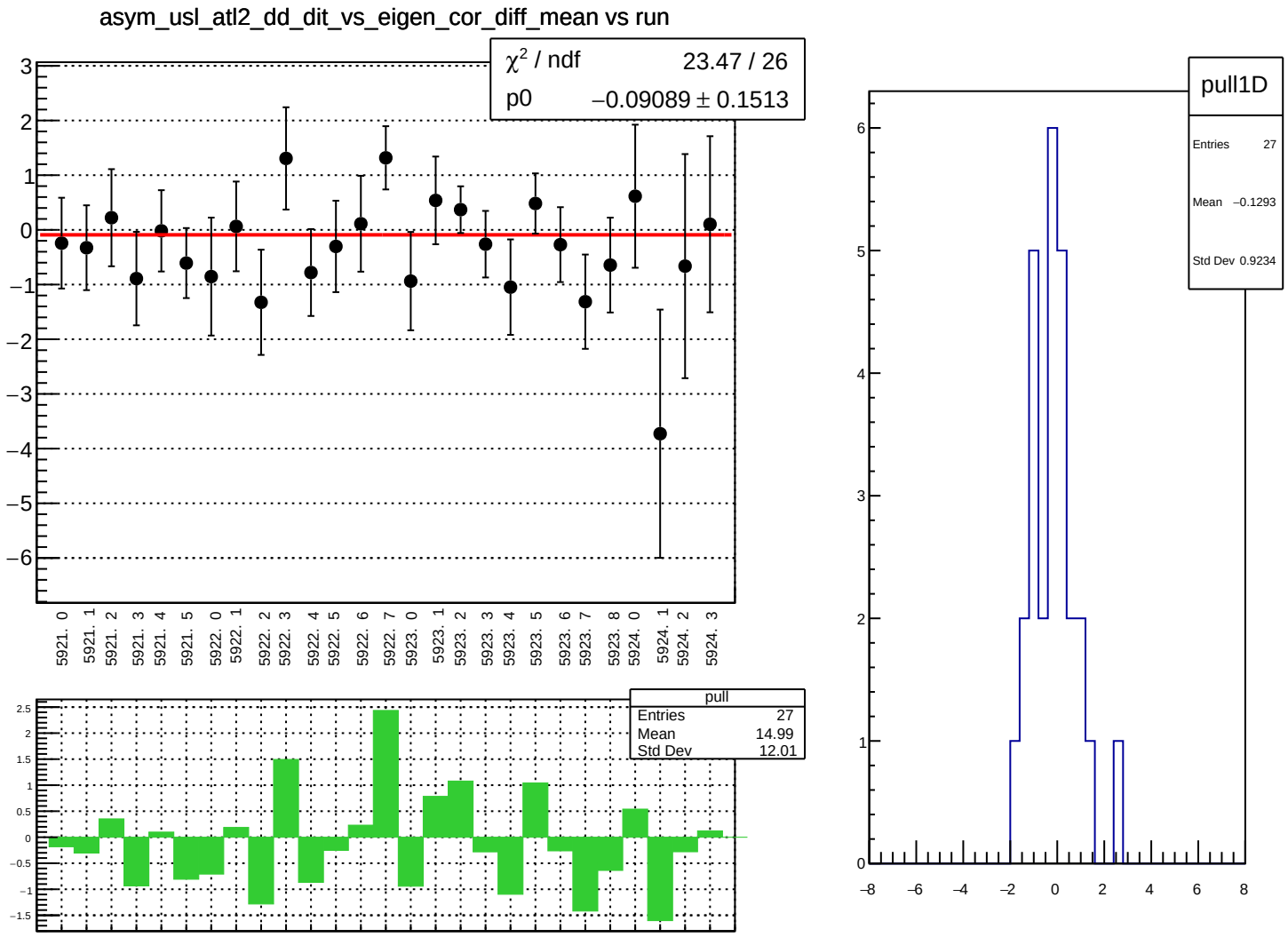

asym_usl_atl2_dd_rms vs run
χ² / ndf 2257 / 26
p0 2610 ± 3.637
3100
3000
2900
2800
2700
2600
2500
2400
2300
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

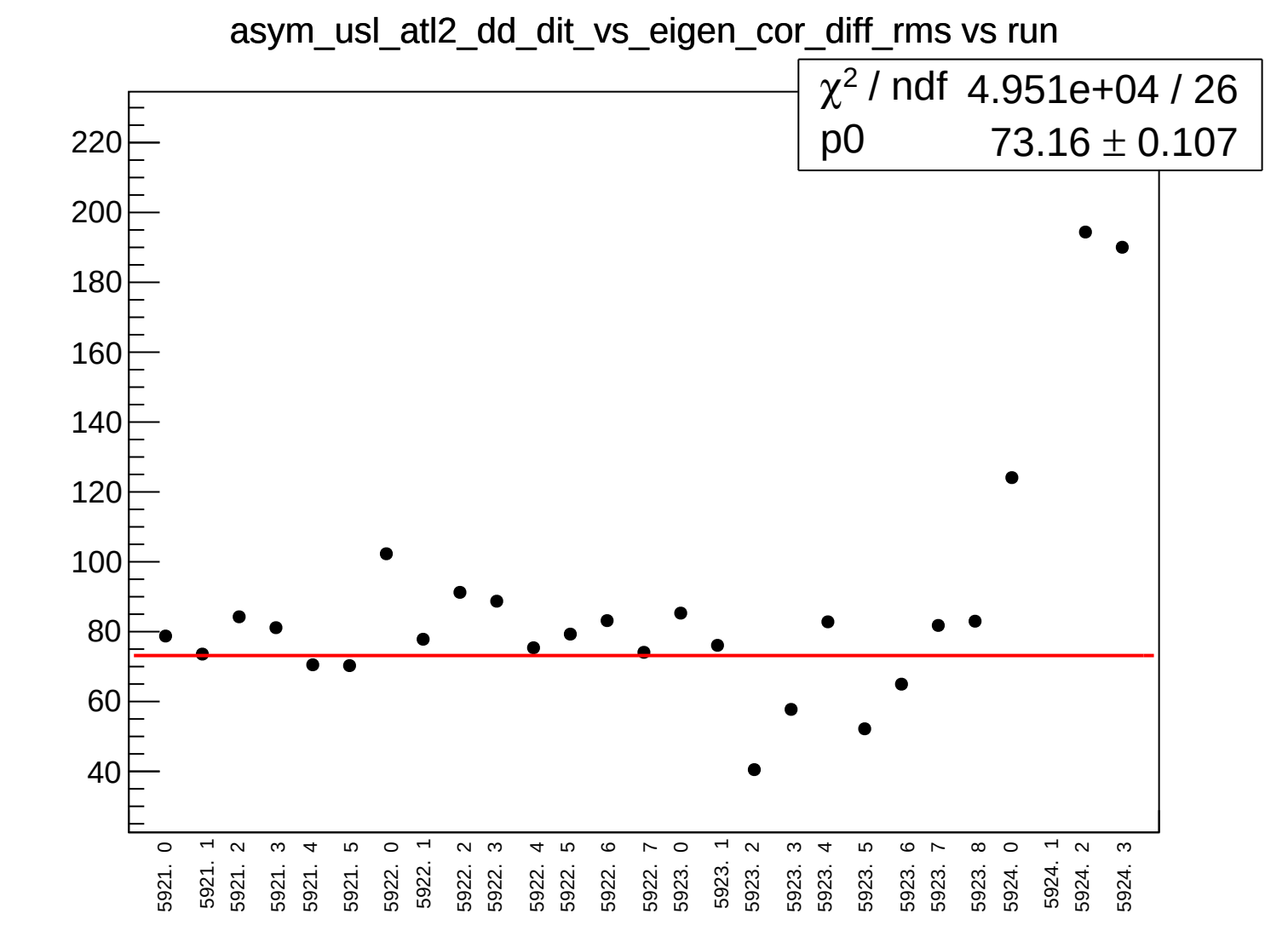

asym_usl_atl2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 24.91 / 26
p0 −3.726e−13 ± 4.85e−13
0.008
0.006
0.004
0.002
0
−0.002
−0.004
−0.006
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 0.4474
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.122
Std Dev 0.9527
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

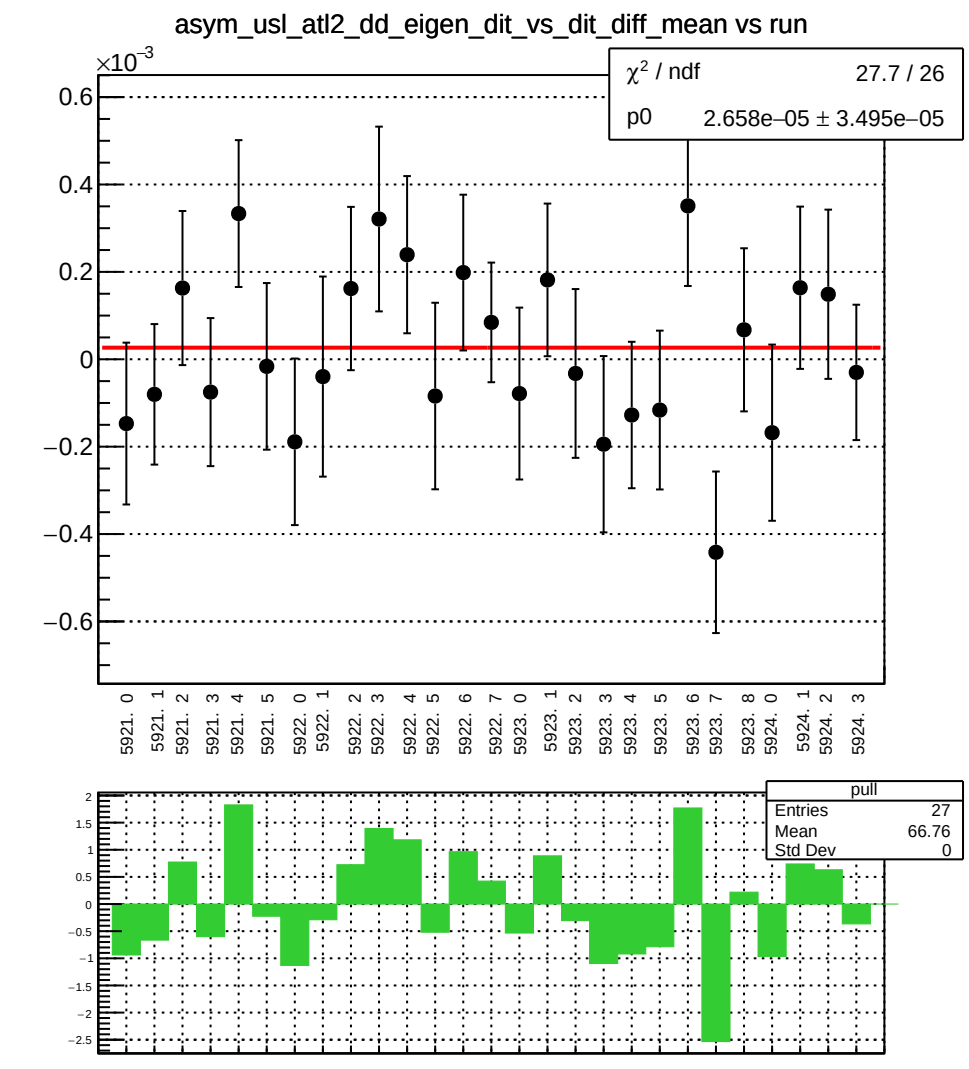

asym_usl_atl2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.048e+05 / 26
p0 1.58e−10 ± 3.43e−13
0.6
0.5
0.4
0.3
0.2
0.1
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

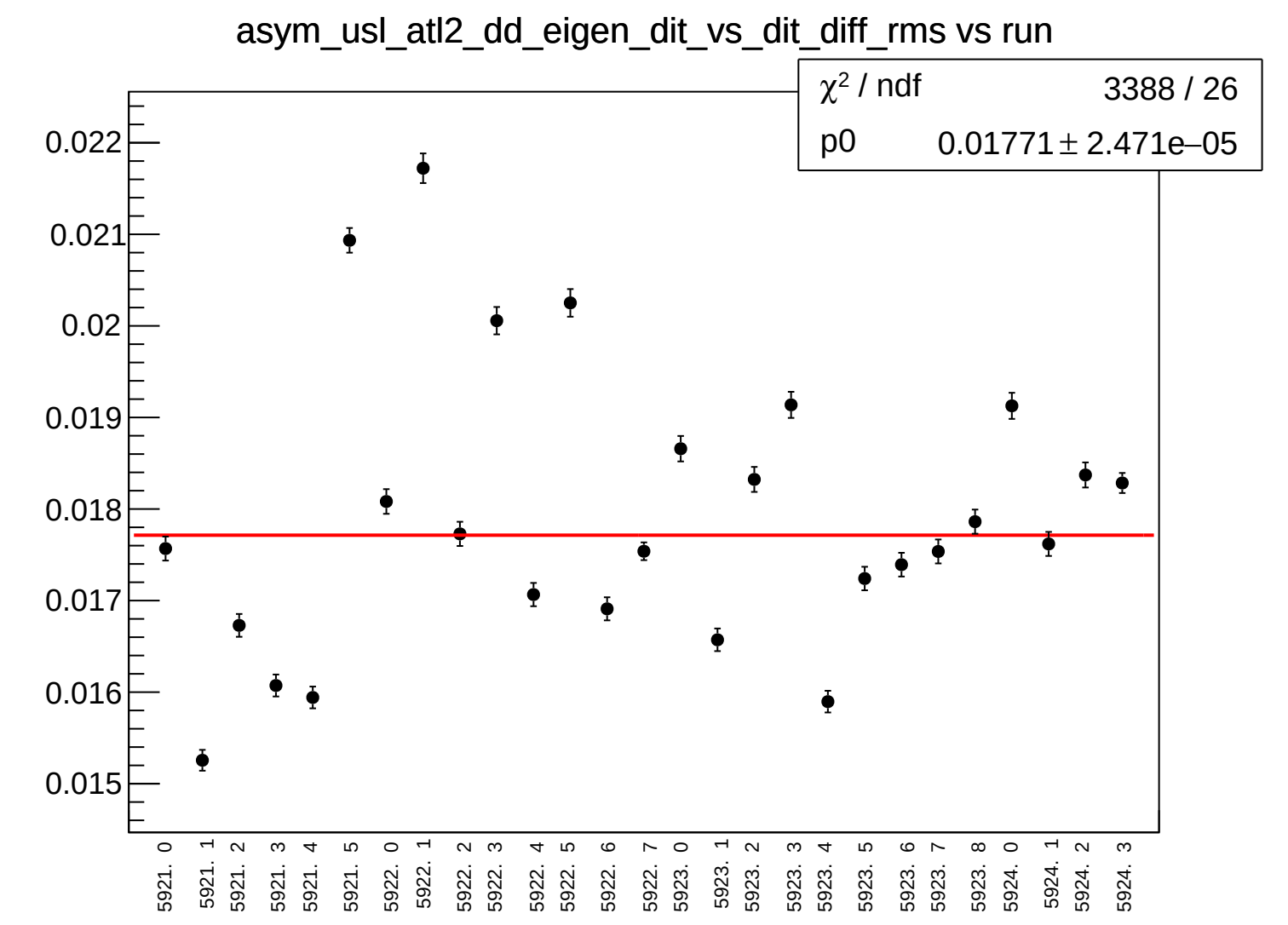

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 23.47 / 26
p0 −0.09089 ± 0.1513
pull
Entries 27
Mean 14.99
Std Dev 12.01
pull1D
Entries 27
Mean −0.1293
Std Dev 0.9234

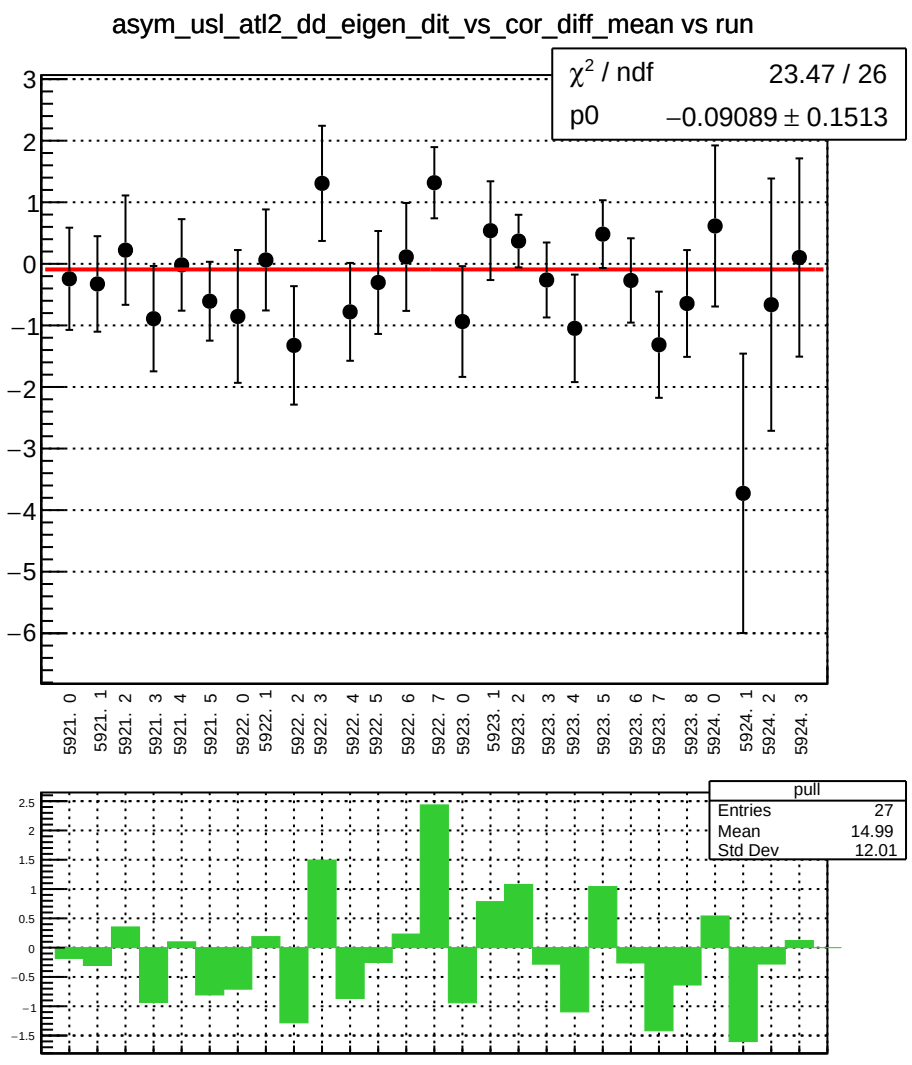

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 4.951e+04 / 26
p0 73.16 ± 0.107
220
200
180
160
140
120
100
80
60
40
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

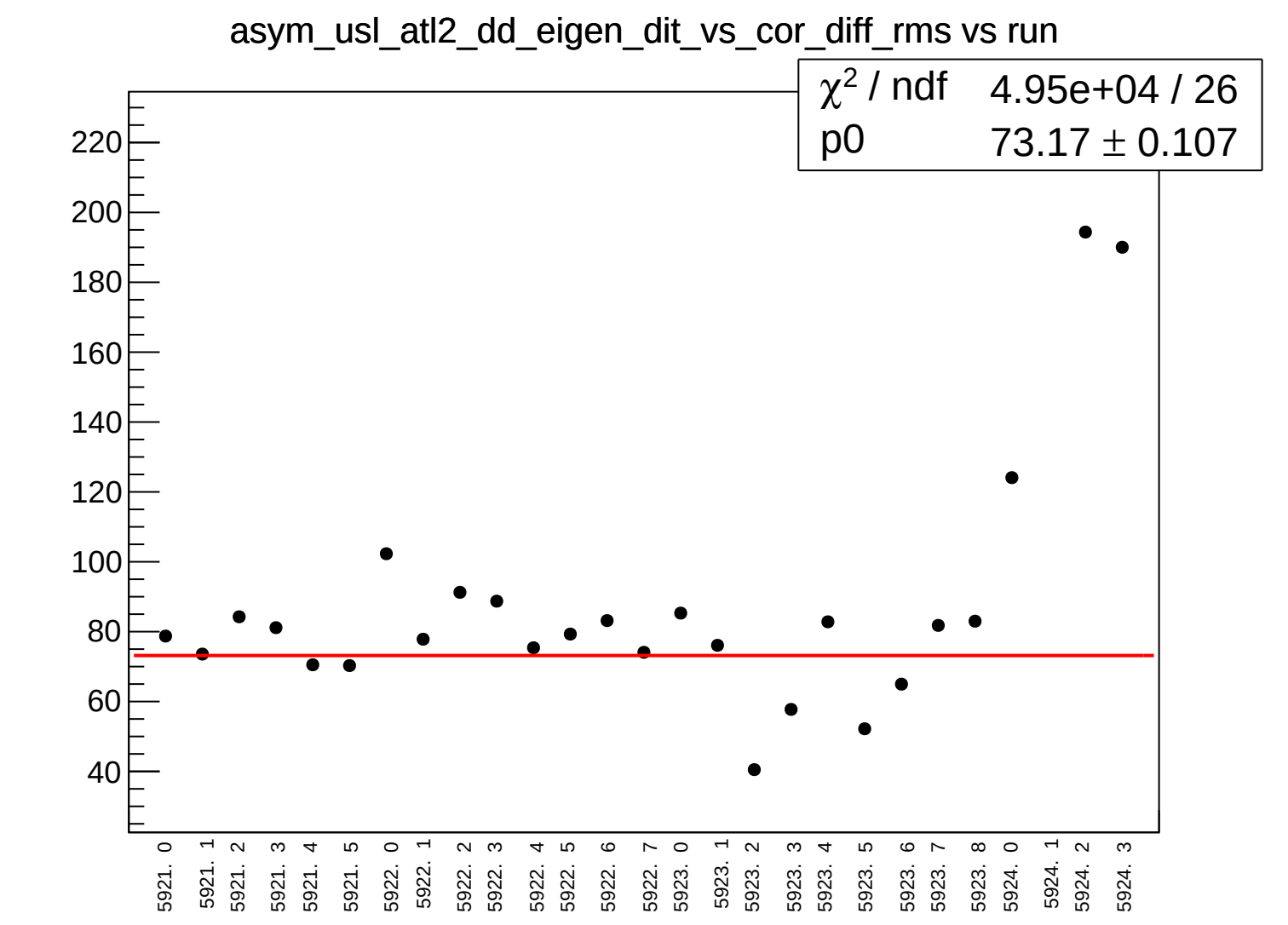

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 23.47 / 26
p0 −0.09089 ± 0.1513
3
2
1
0
−1
−2
−3
−4
−5
−6
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 14.99
Std Dev 12.01
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.1293
Std Dev 0.9234
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

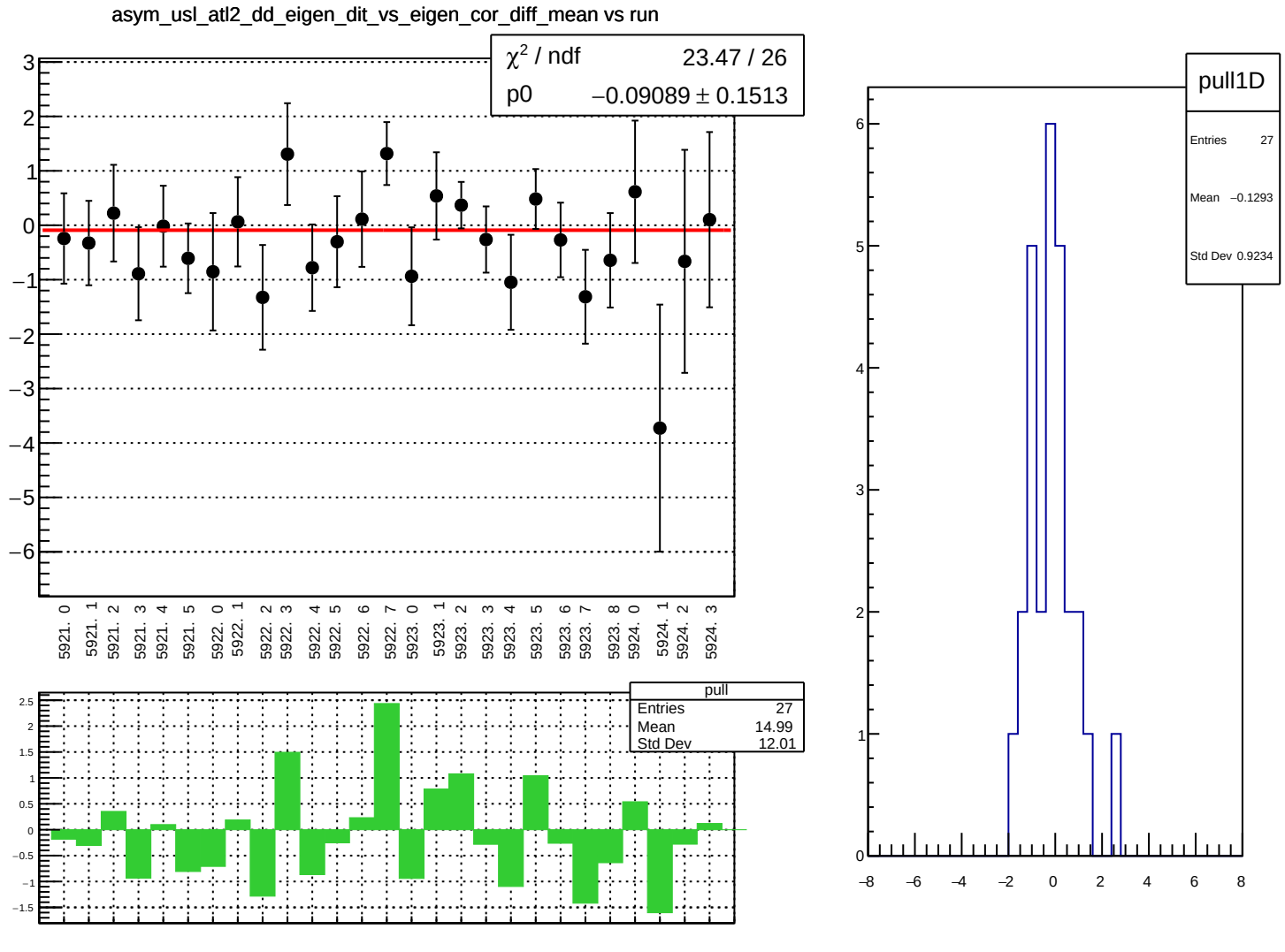

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.951e+04 / 26
p0 73.16 ± 0.107
220
200
180
160
140
120
100
80
60
40
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

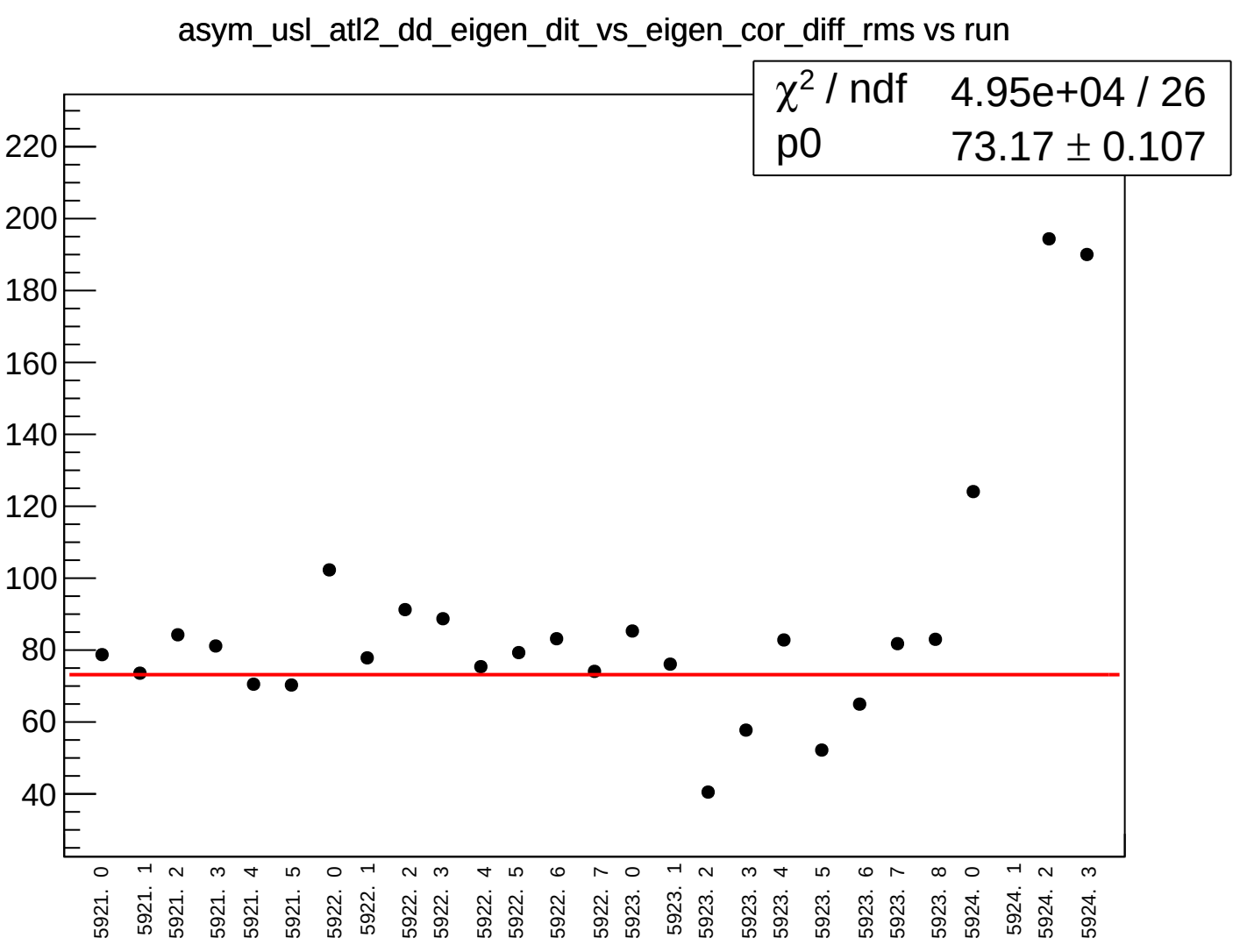

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 27.7 / 26
p0 2.658e−05 ± 3.495e−05
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 66.76
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean −0.0125
Std Dev 1.013
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

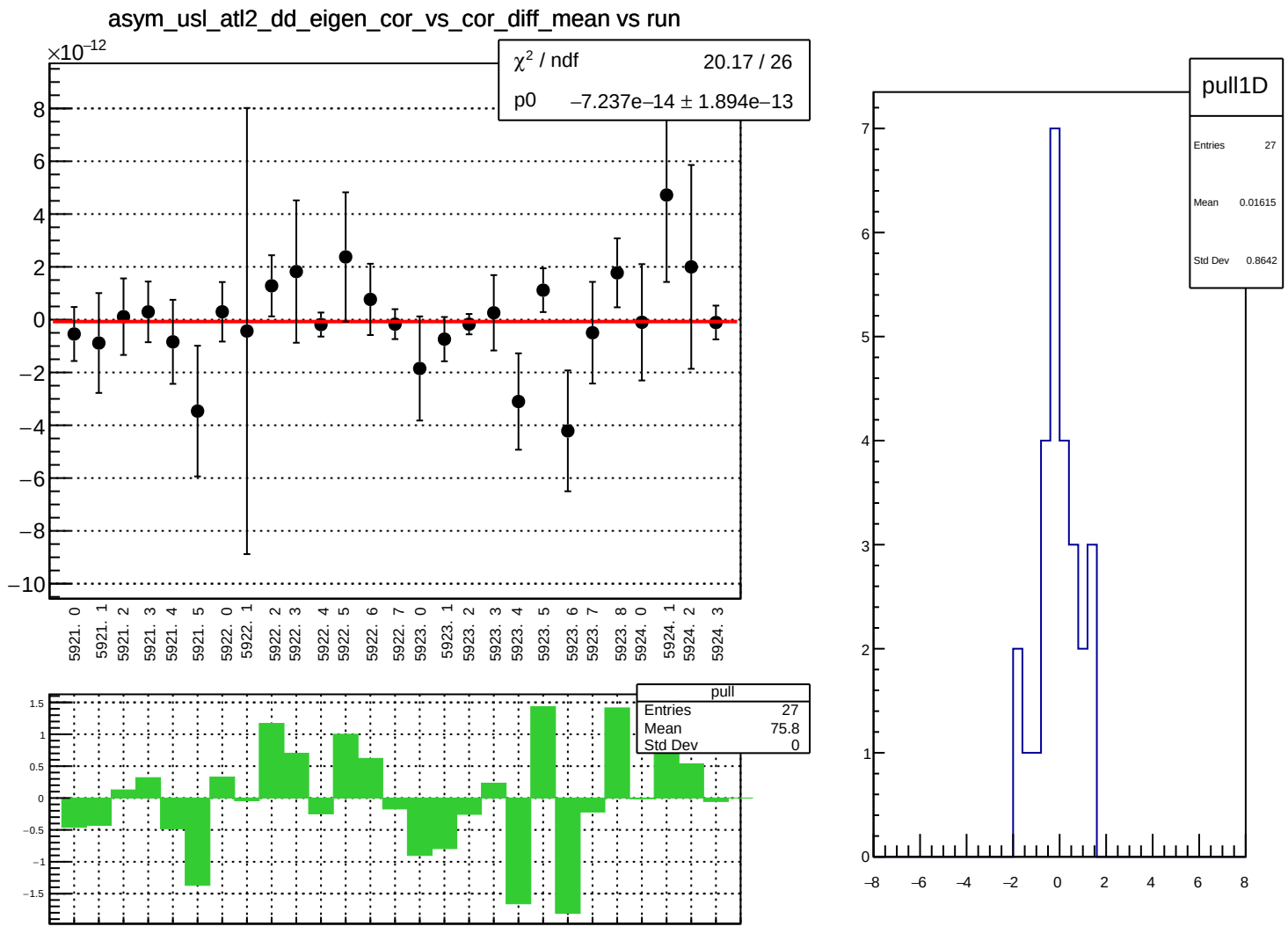

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3388 / 26
p0 0.01771 ± 2.471e–05
0.022
0.021
0.02
0.019
0.018
0.017
0.016
0.015
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

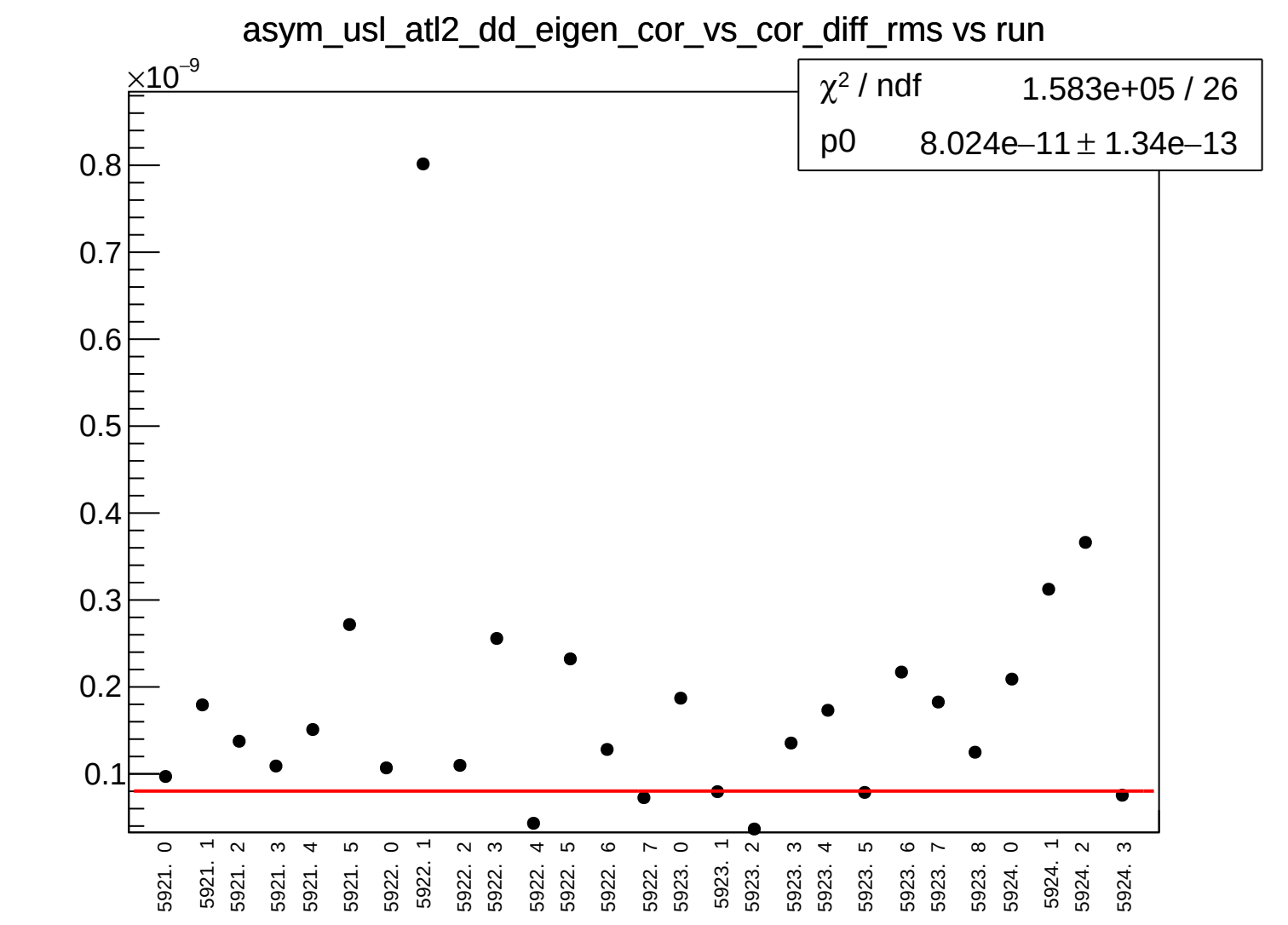

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 23.47 / 26
p0 −0.09089 ± 0.1513
pull
Entries 27
Mean 14.99
Std Dev 12.01
pull1D
Entries 27
Mean −0.1293
Std Dev 0.9234

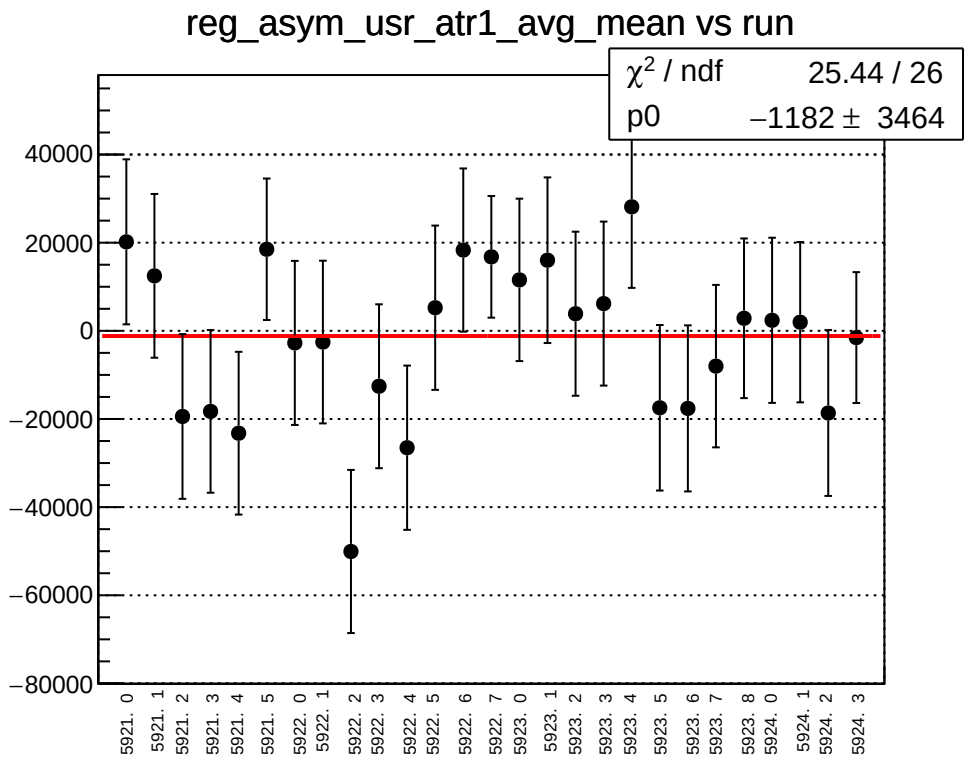

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.95e+04 / 26
p0 73.17 ± 0.107
220
200
180
160
140
120
100
80
60
40
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

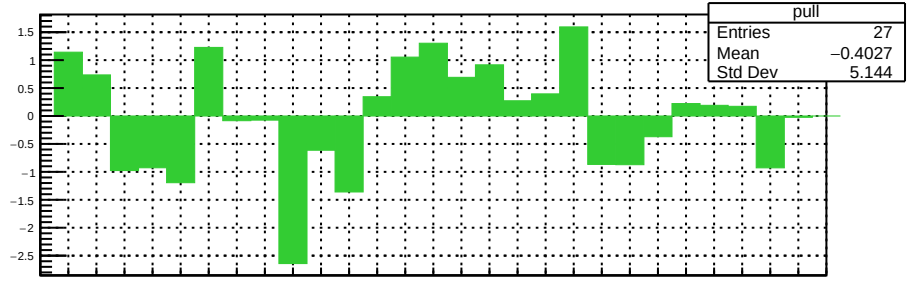

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 23.47 / 26
p0 −0.09089 ± 0.1513
pull
Entries 27
Mean 14.99
Std Dev 12.01
pull1D
Entries 27
Mean −0.1293
Std Dev 0.9234

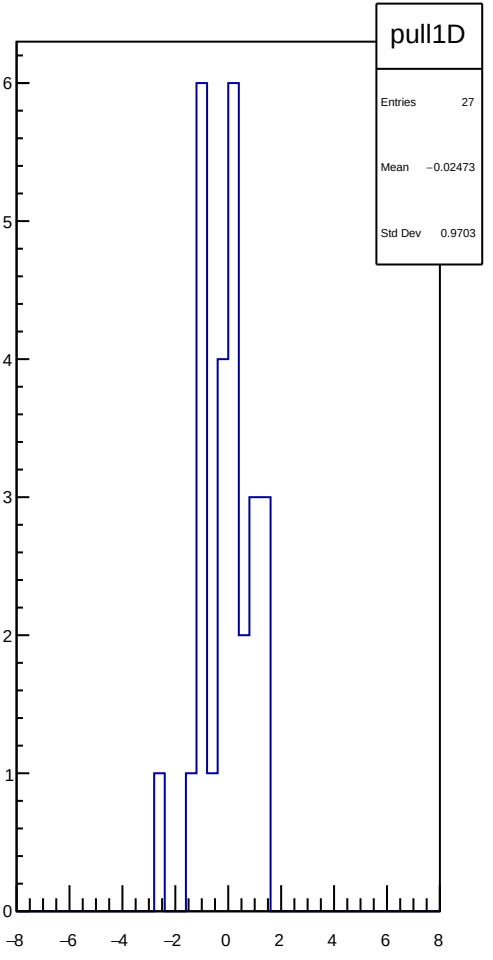

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.95e+04 / 26
p0 73.17 ± 0.107
220
200
180
160
140
120
100
80
60
40
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

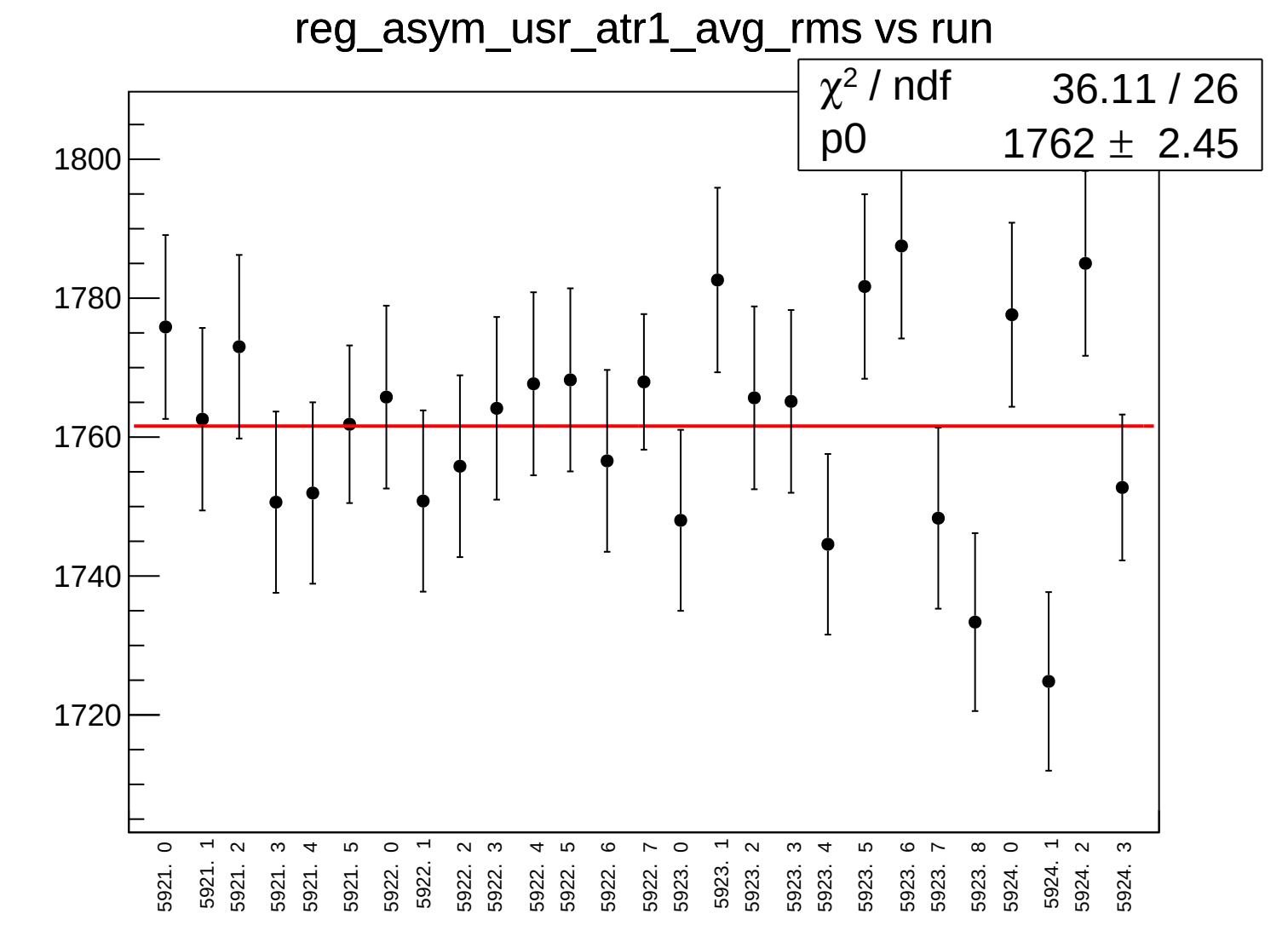

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_mean vs run
×10^−12
χ² / ndf 20.17 / 26
p0 −7.237e−14 ± 1.894e−13
8
6
4
2
0
−2
−4
−6
−8
−10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 75.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.01615
Std Dev 0.8642
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

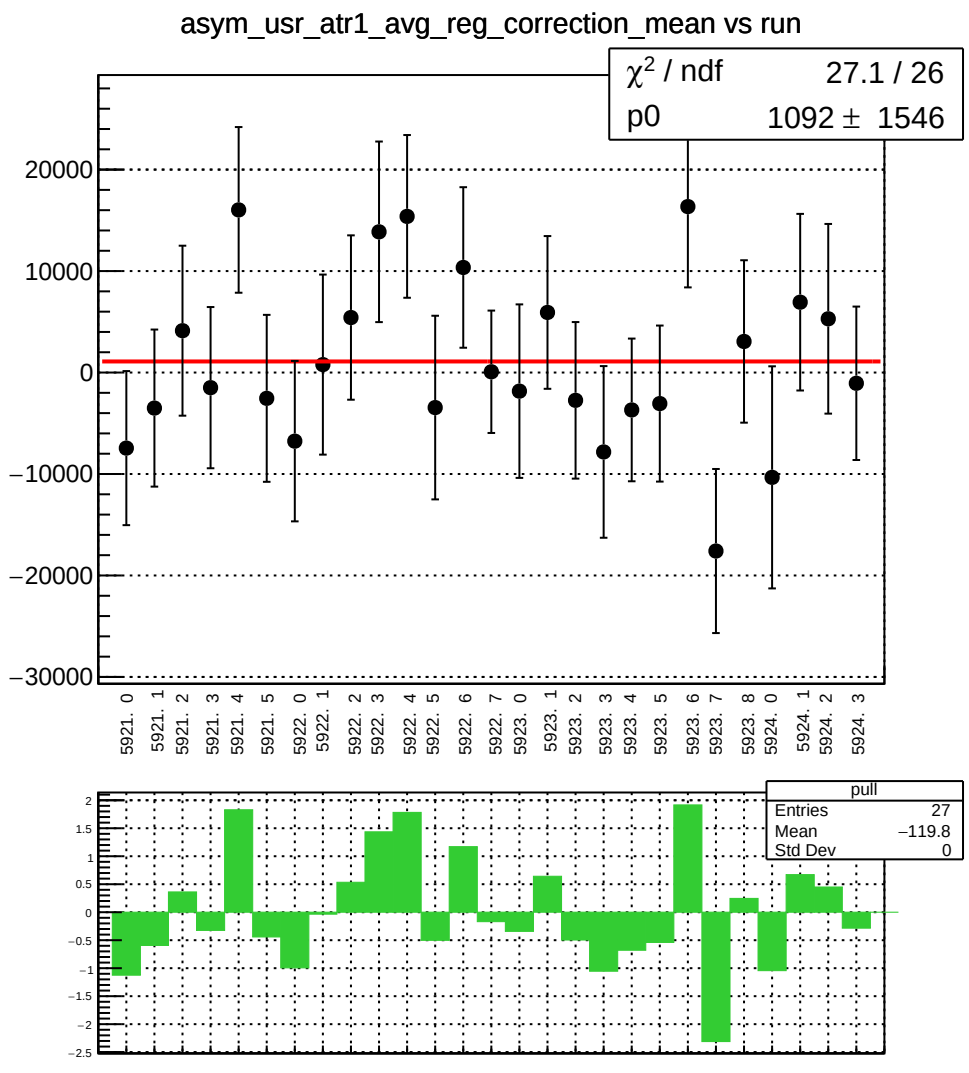

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.583e+05 / 26
p0 8.024e−11 ± 1.34e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

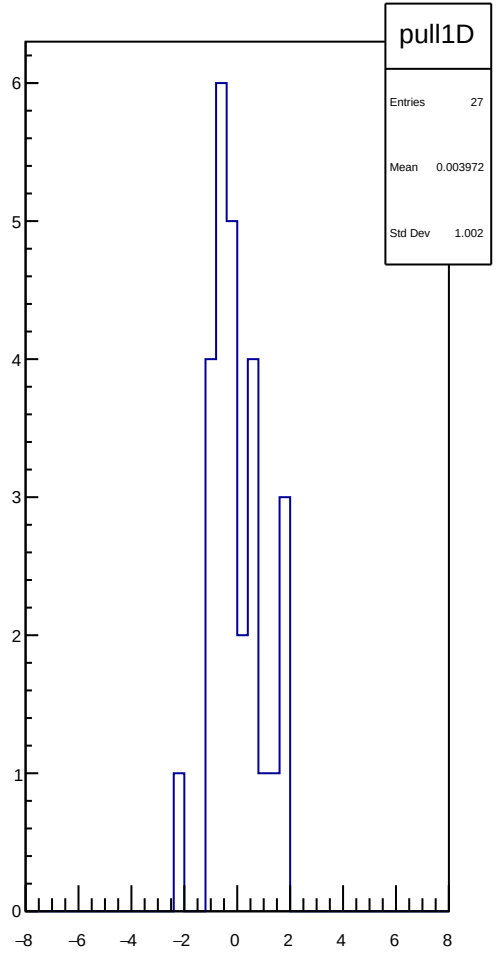

reg_asym_usr_atr1_avg_mean vs run
χ² / ndf 25.44 / 26
p0 −1182 ± 3464
40000
20000
0
−20000
−40000
−60000
−80000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

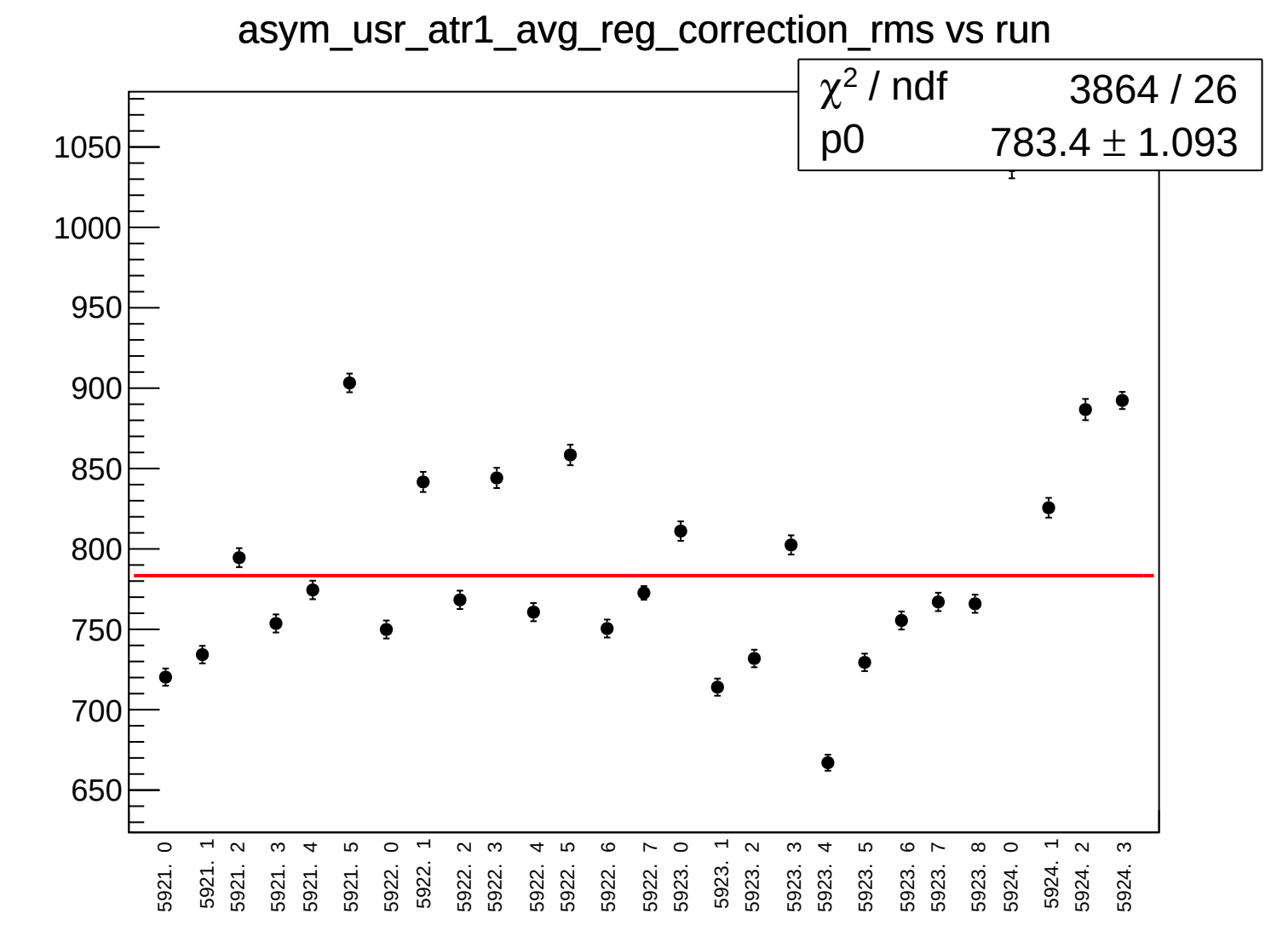

pull
Entries 27
Mean −0.4027
Std Dev 5.144
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

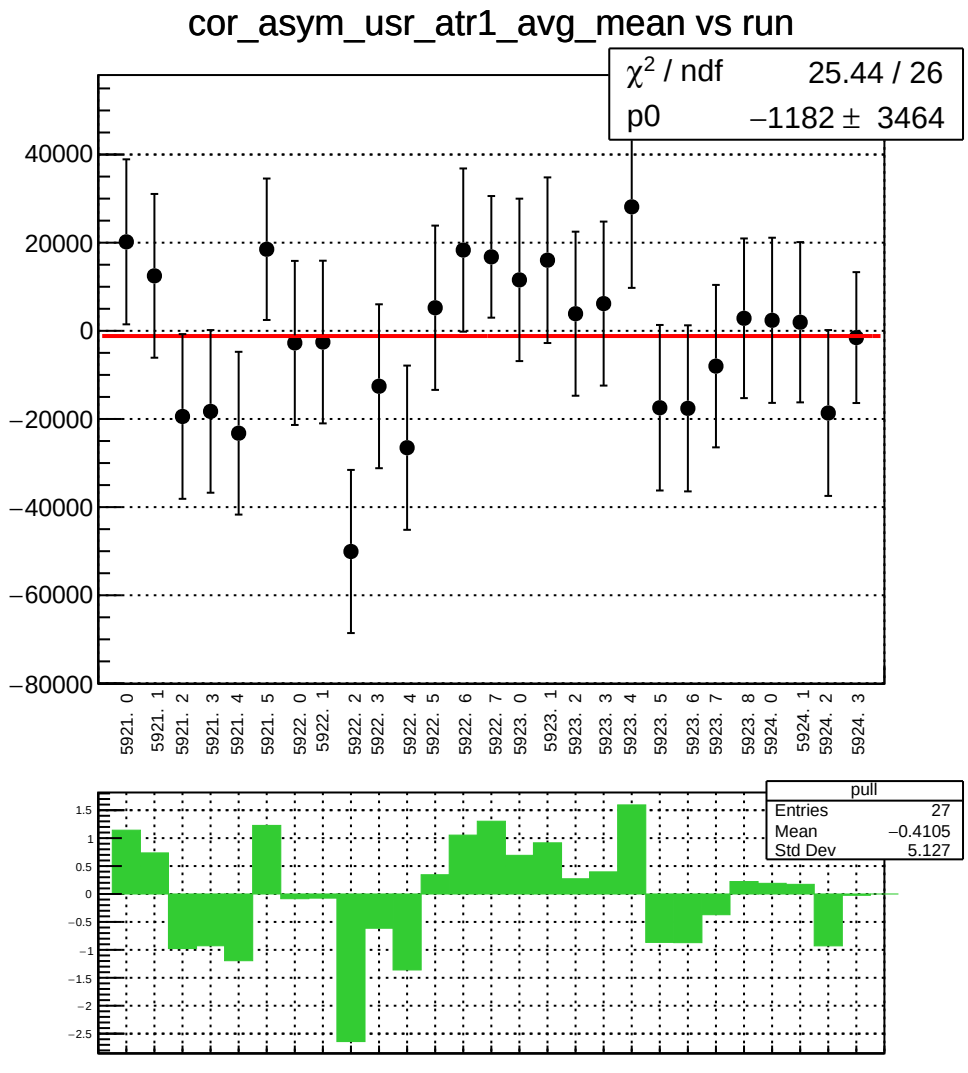

pull1D
Entries 27
Mean −0.02473
Std Dev 0.9703
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

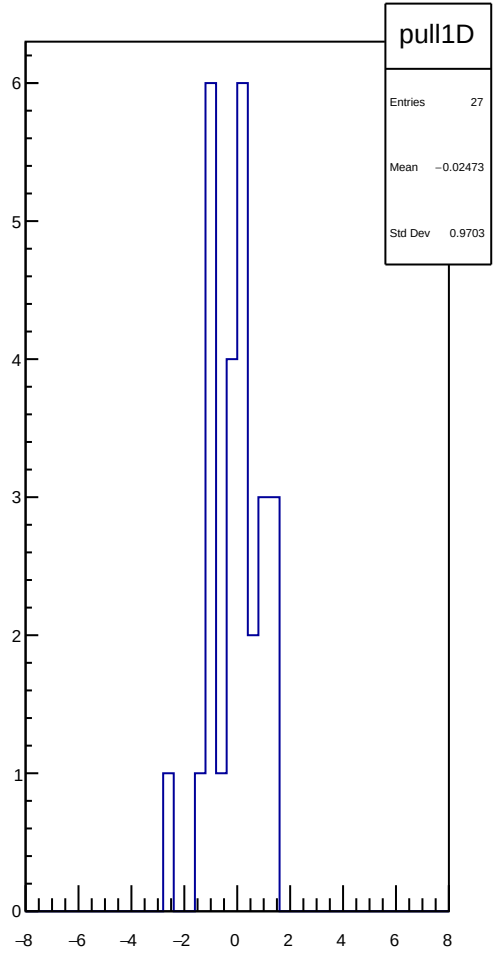

reg_asym_usr_atr1_avg_rms vs run
χ² / ndf 36.11 / 26
p0 1762 ± 2.45
1800
1780
1760
1740
1720
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

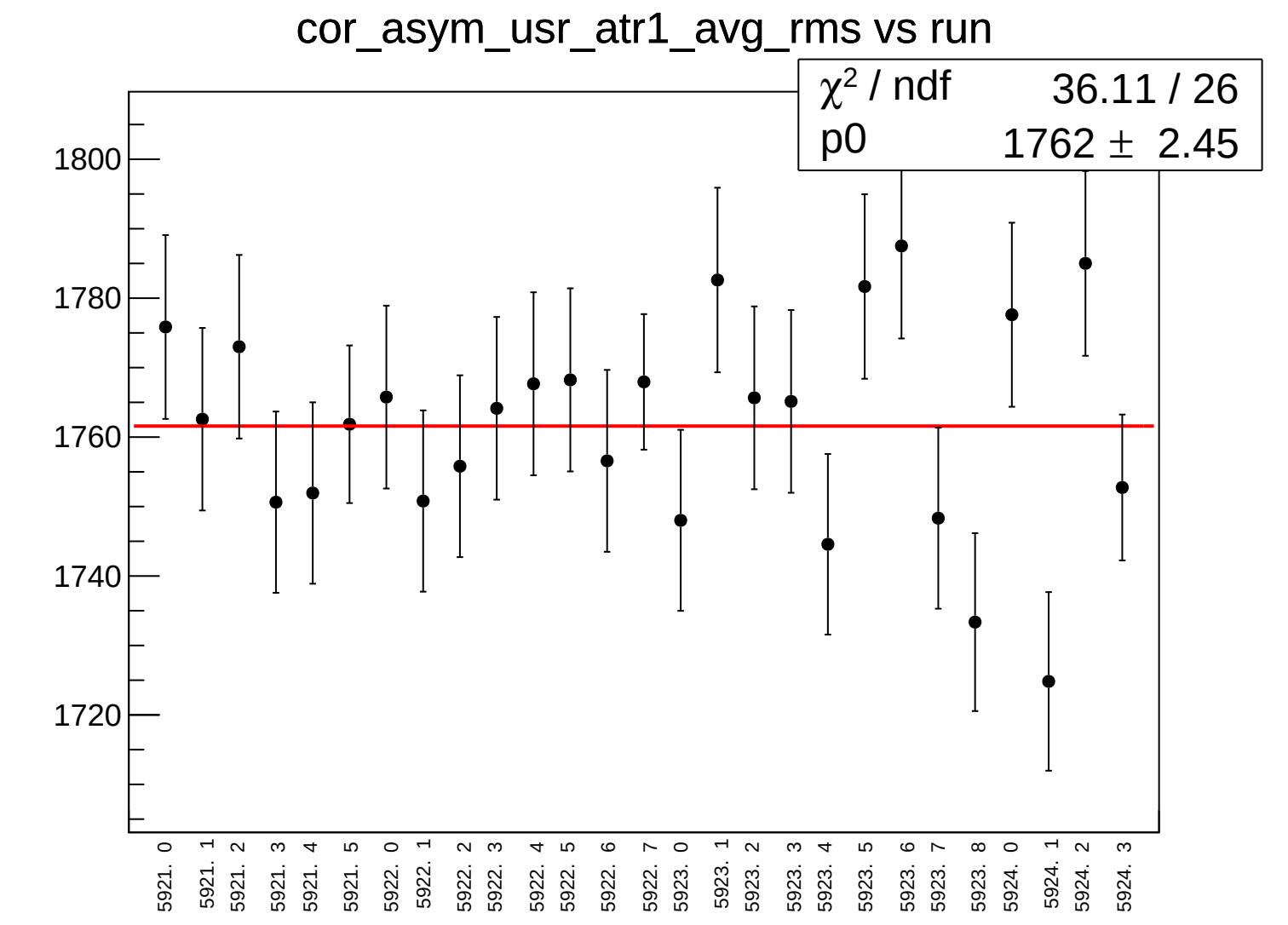

asym_usr_atr1_avg_reg_correction_mean vs run
χ² / ndf 27.1 / 26
p0 1092 ± 1546
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −119.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

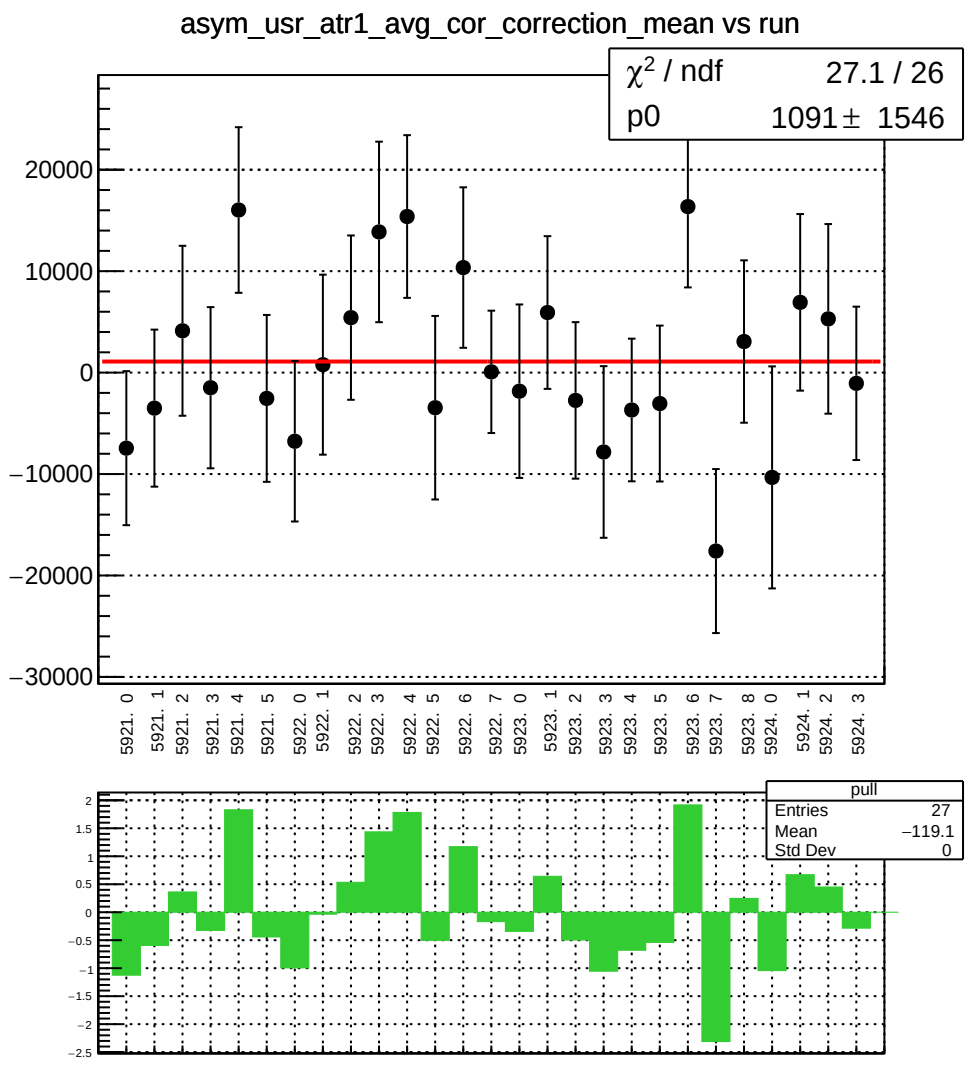

pull1D
Entries 27
Mean 0.003972
Std Dev 1.002
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

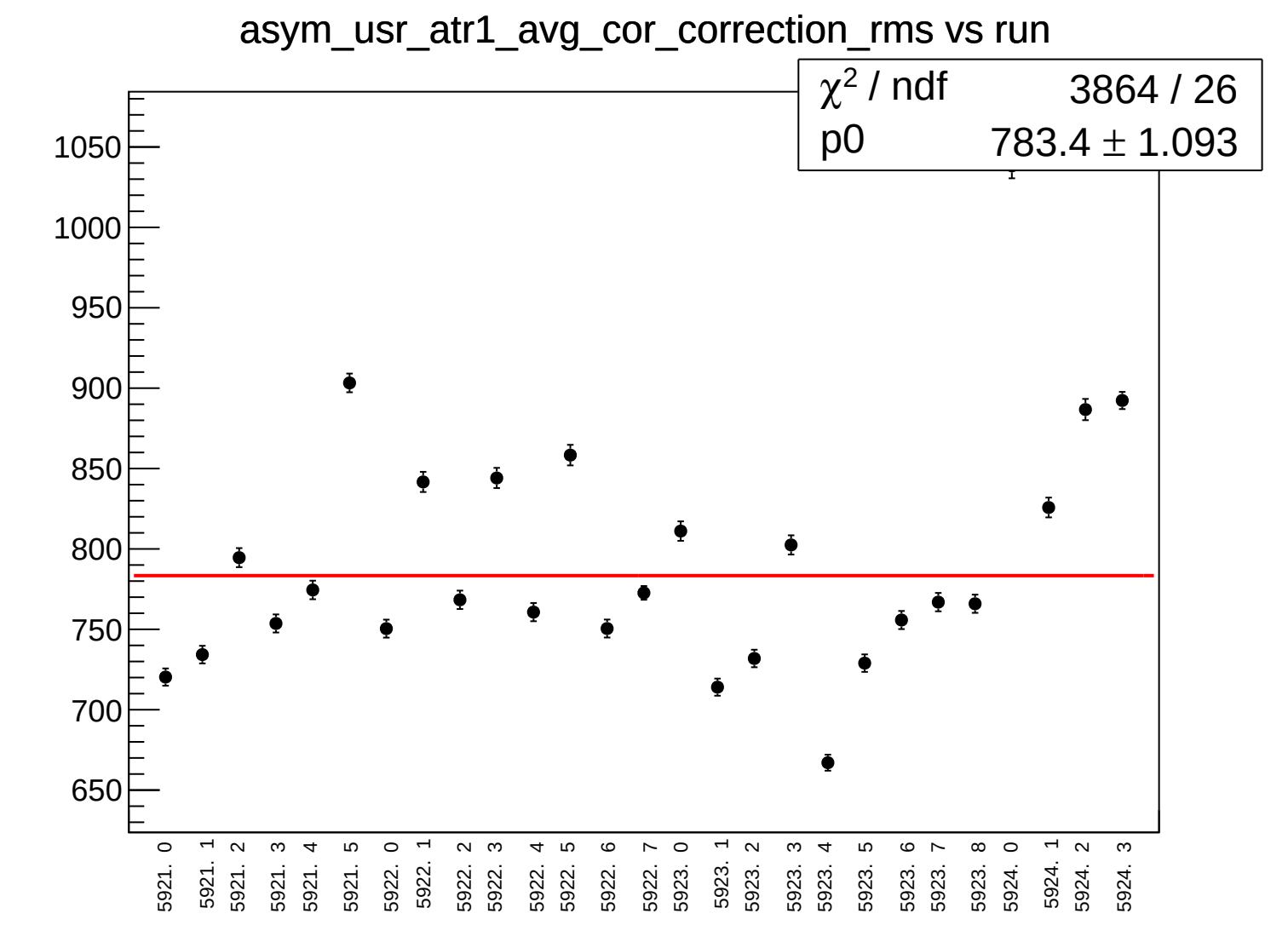

asym_usr_atr1_avg_reg_correction_rms vs run
χ² / ndf 3864 / 26
p0 783.4 ± 1.093
1050
1000
950
900
850
800
750
700
650
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

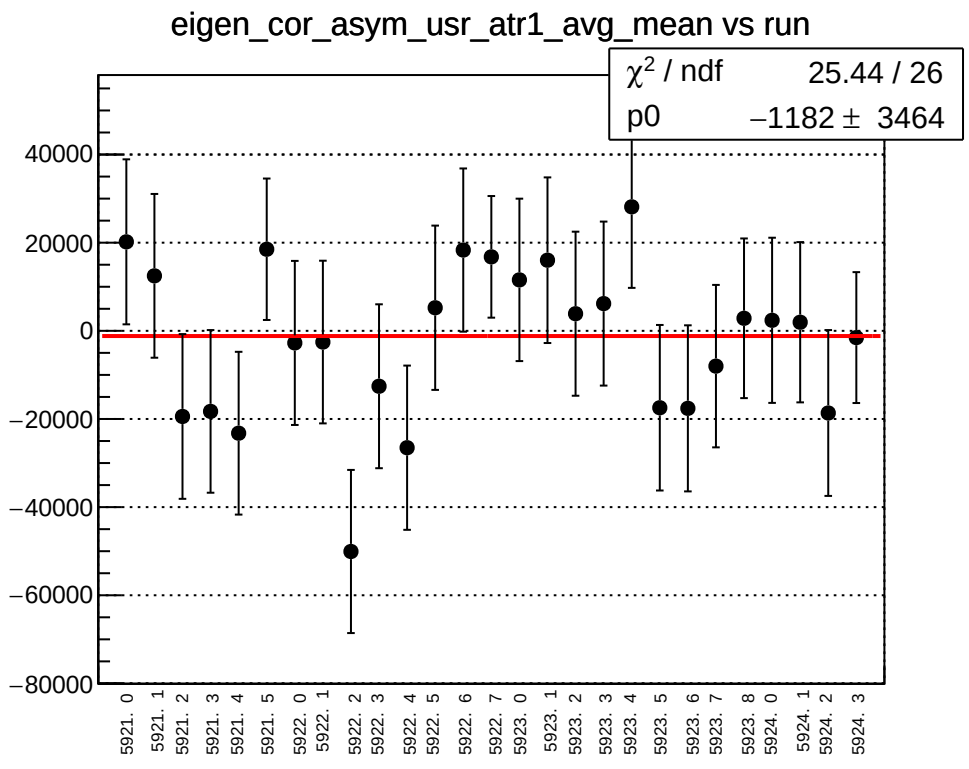

cor_asym_usr_atr1_avg_mean vs run
χ² / ndf 25.44 / 26
p0 −1182 ± 3464
40000
20000
0
−20000
−40000
−60000
−80000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −0.4105
Std Dev 5.127
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

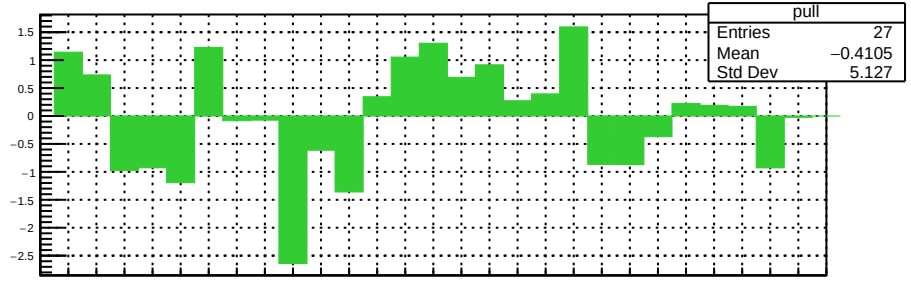

pull1D
Entries 27
Mean −0.02473
Std Dev 0.9703
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

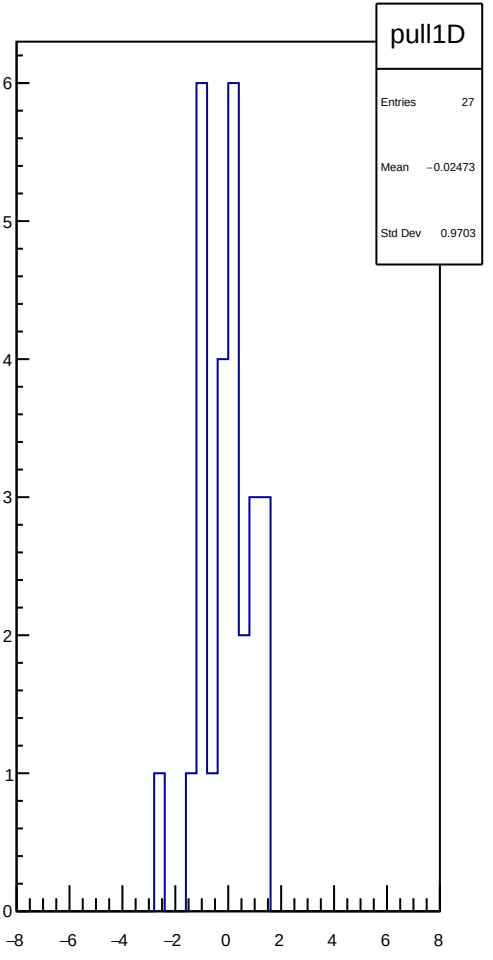

cor_asym_usr_atr1_avg_rms vs run
χ² / ndf 36.11 / 26
p0 1762 ± 2.45
1800
1780
1760
1740
1720
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

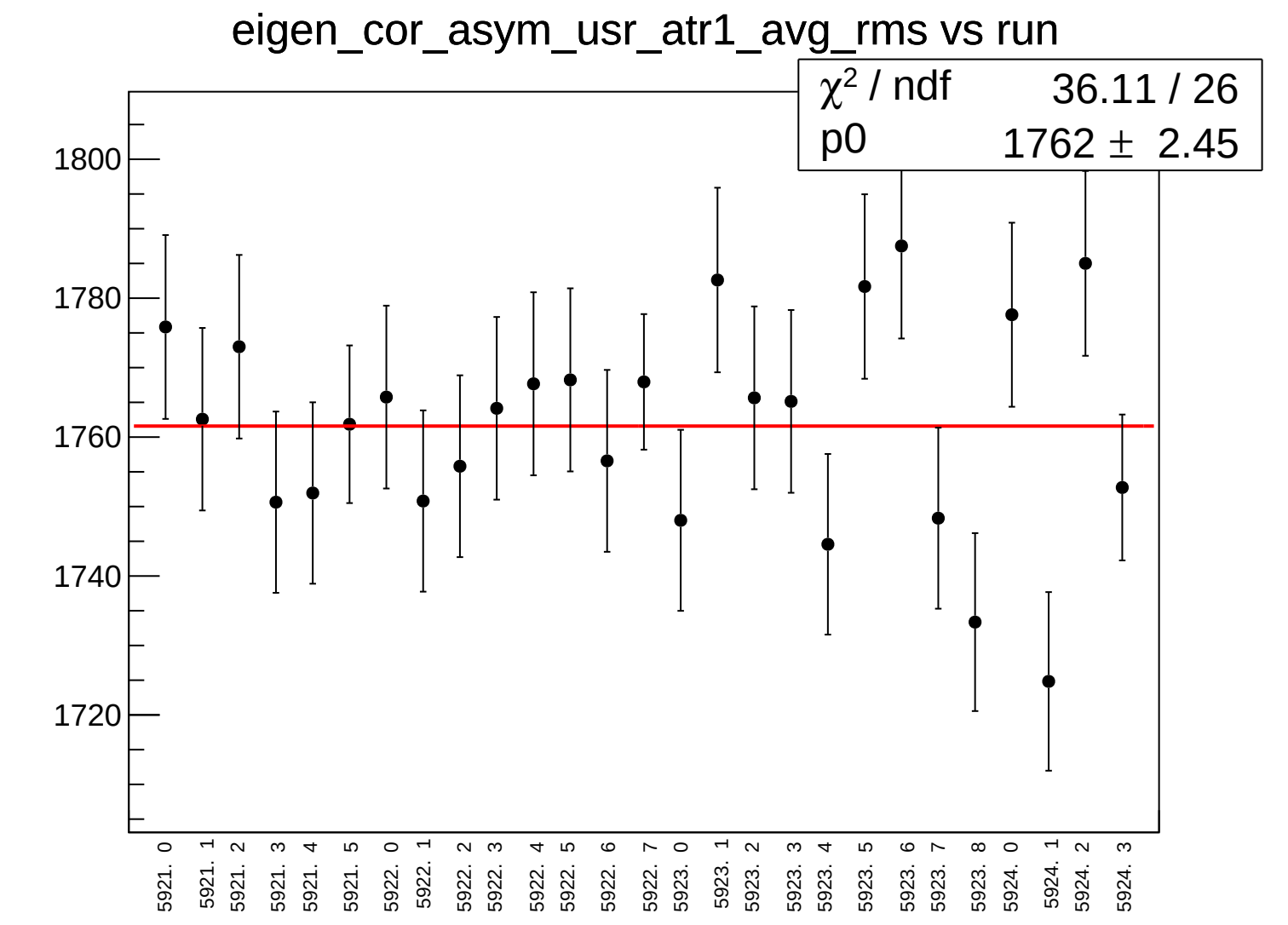

asym_usr_atr1_avg_cor_correction_mean vs run
χ² / ndf 27.1 / 26
p0 1091 ± 1546
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −119.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean 0.003994
Std Dev 1.002
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

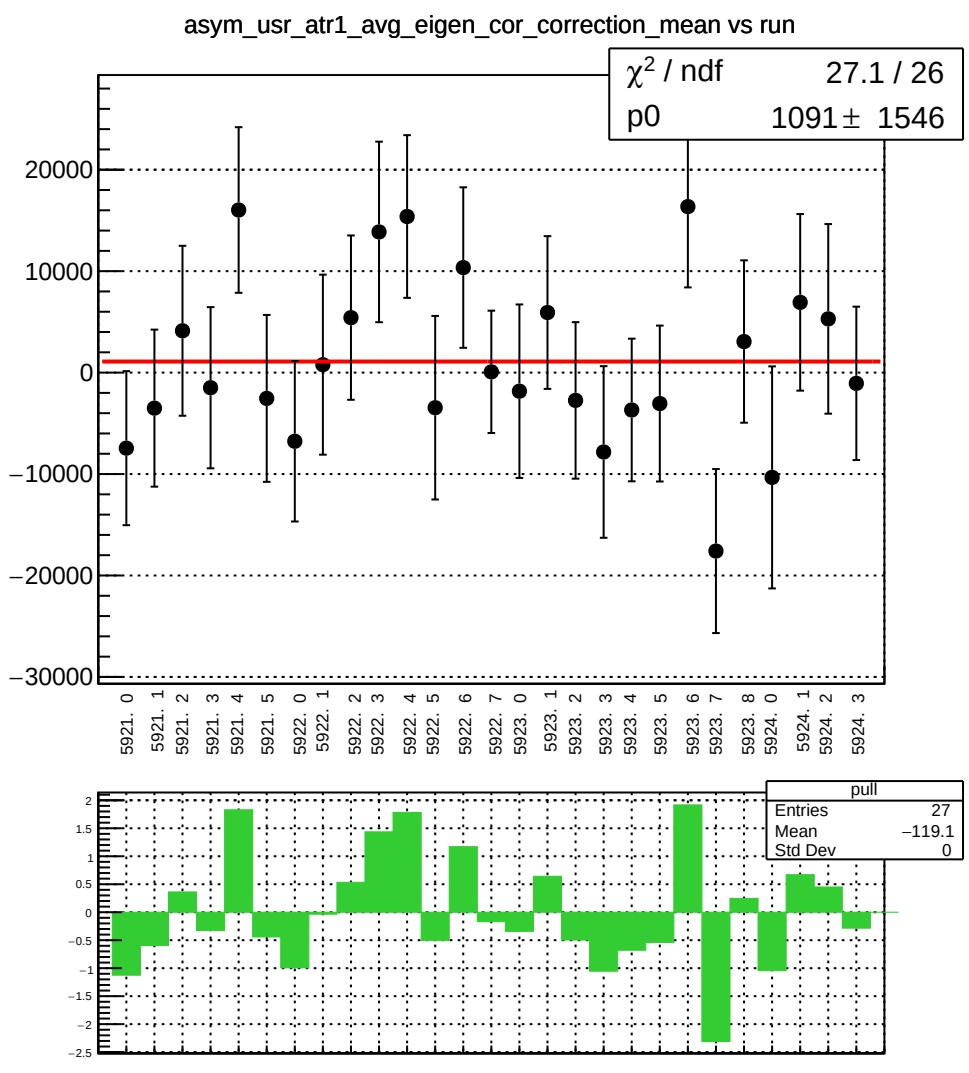

asym_usr_atr1_avg_cor_correction_rms vs run
χ² / ndf 3864 / 26
p0 783.4 ± 1.093
1050
1000
950
900
850
800
750
700
650
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

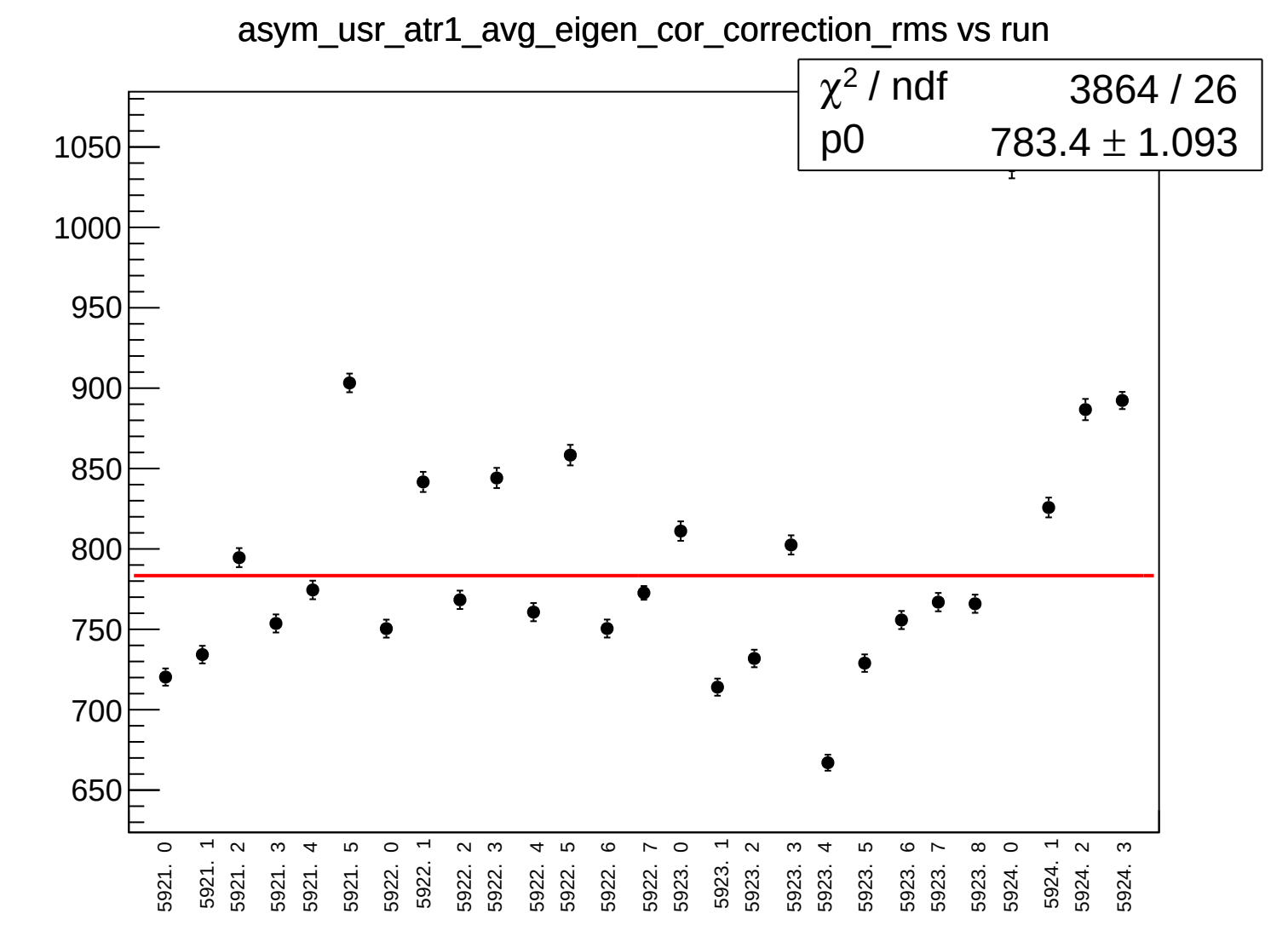

eigen_cor_asym_usr_atr1_avg_mean vs run
χ² / ndf 25.44 / 26
p0 −1182 ± 3464
40000
20000
0
−20000
−40000
−60000
−80000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

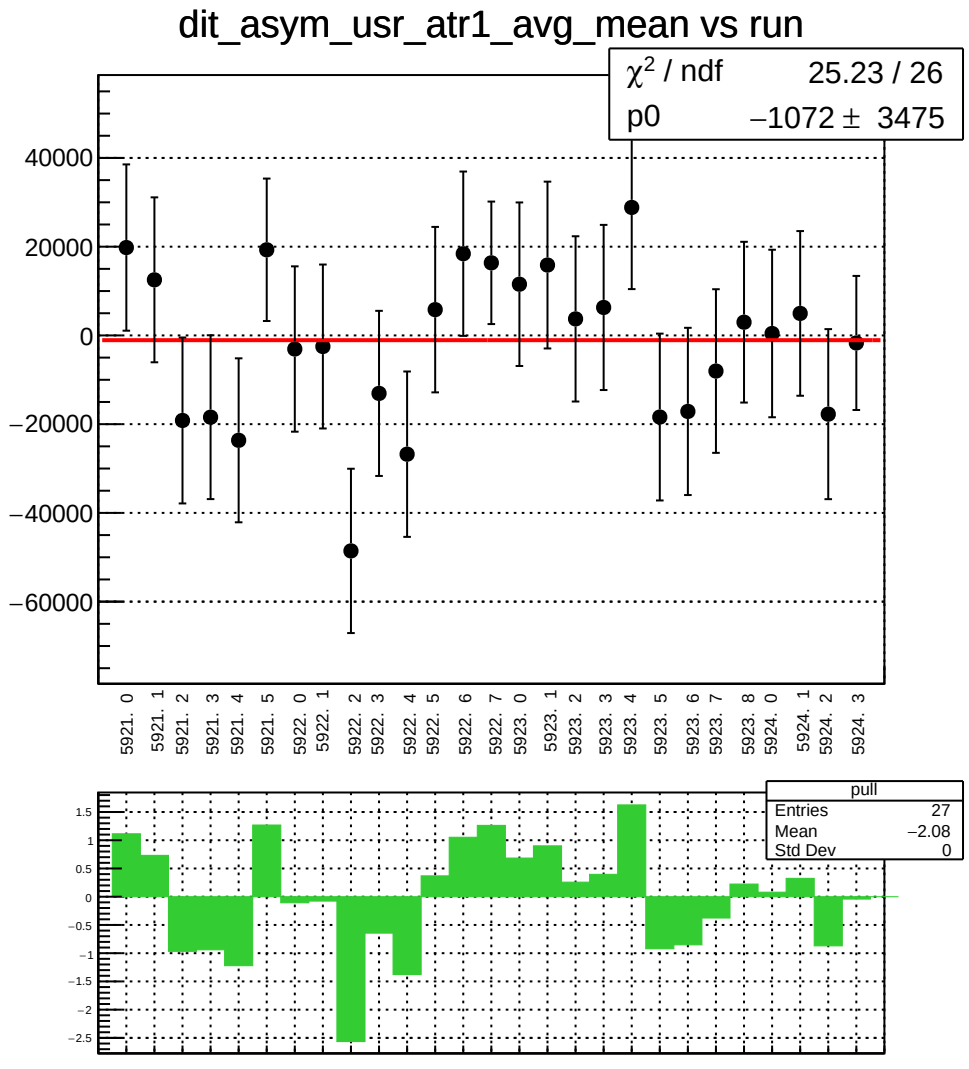

pull
Entries 27
Mean −0.4105
Std Dev 5.127
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

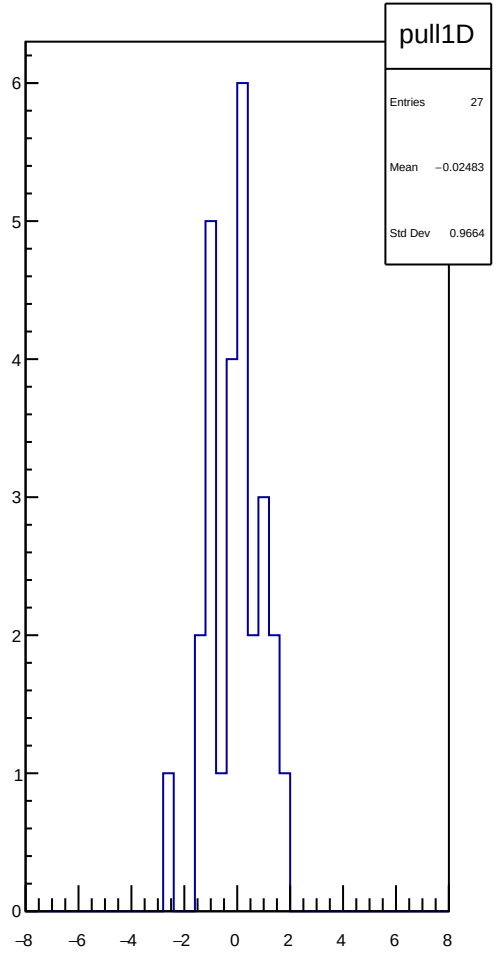

pull1D
Entries 27
Mean −0.02473
Std Dev 0.9703
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

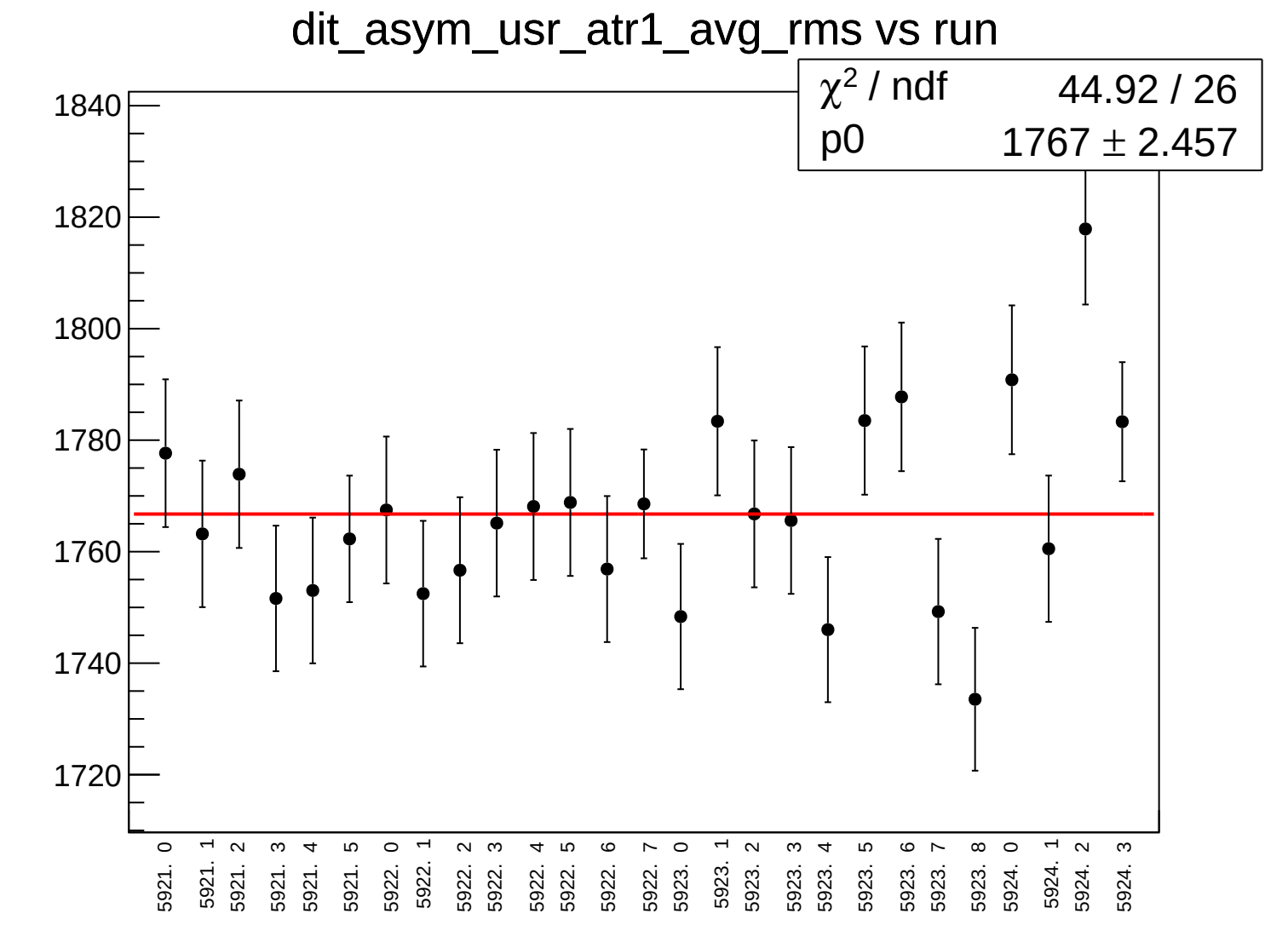

eigen_cor_asym_usr_atr1_avg_rms vs run
χ² / ndf 36.11 / 26
p0 1762 ± 2.45
1800
1780
1760
1740
1720
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

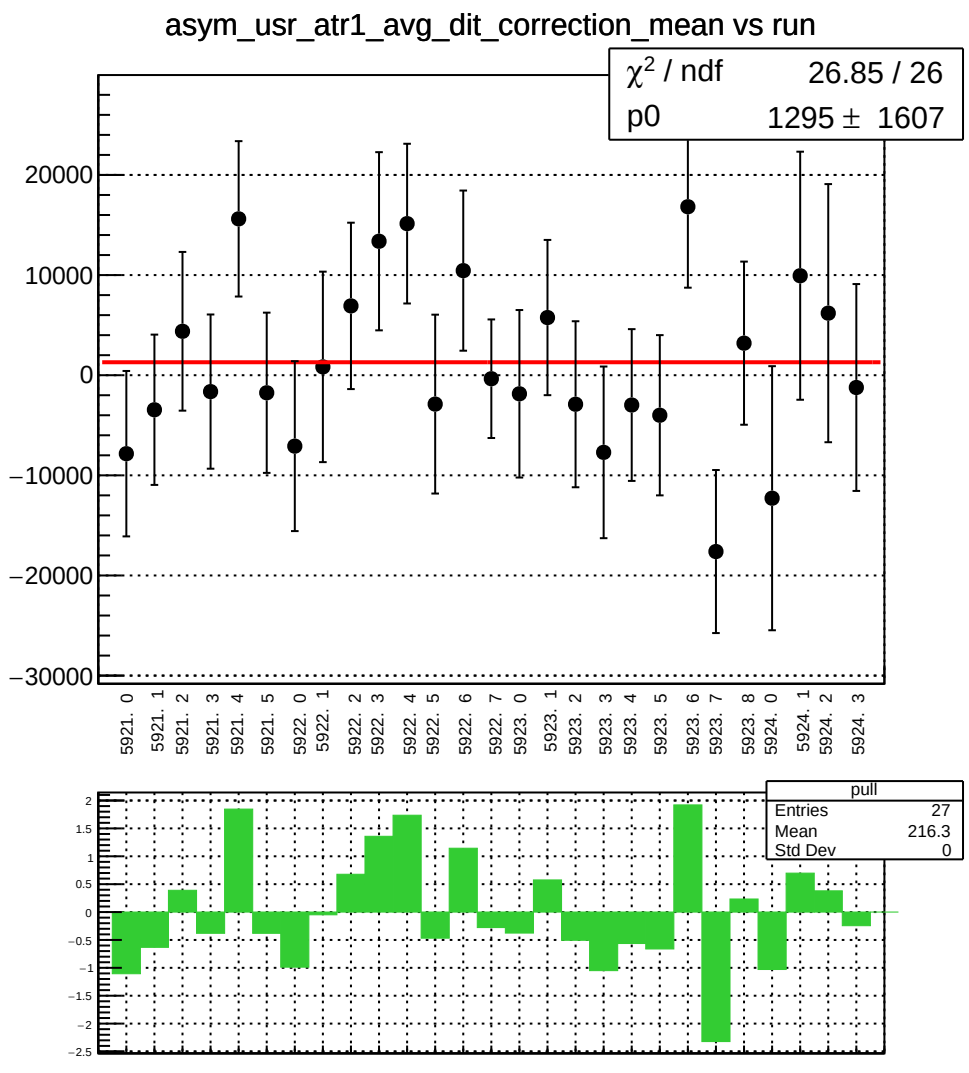

asym_usr_atr1_avg_eigen_cor_correction_mean vs run
χ² / ndf 27.1 / 26
p0 1091 ± 1546
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −119.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean 0.003994
Std Dev 1.002
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

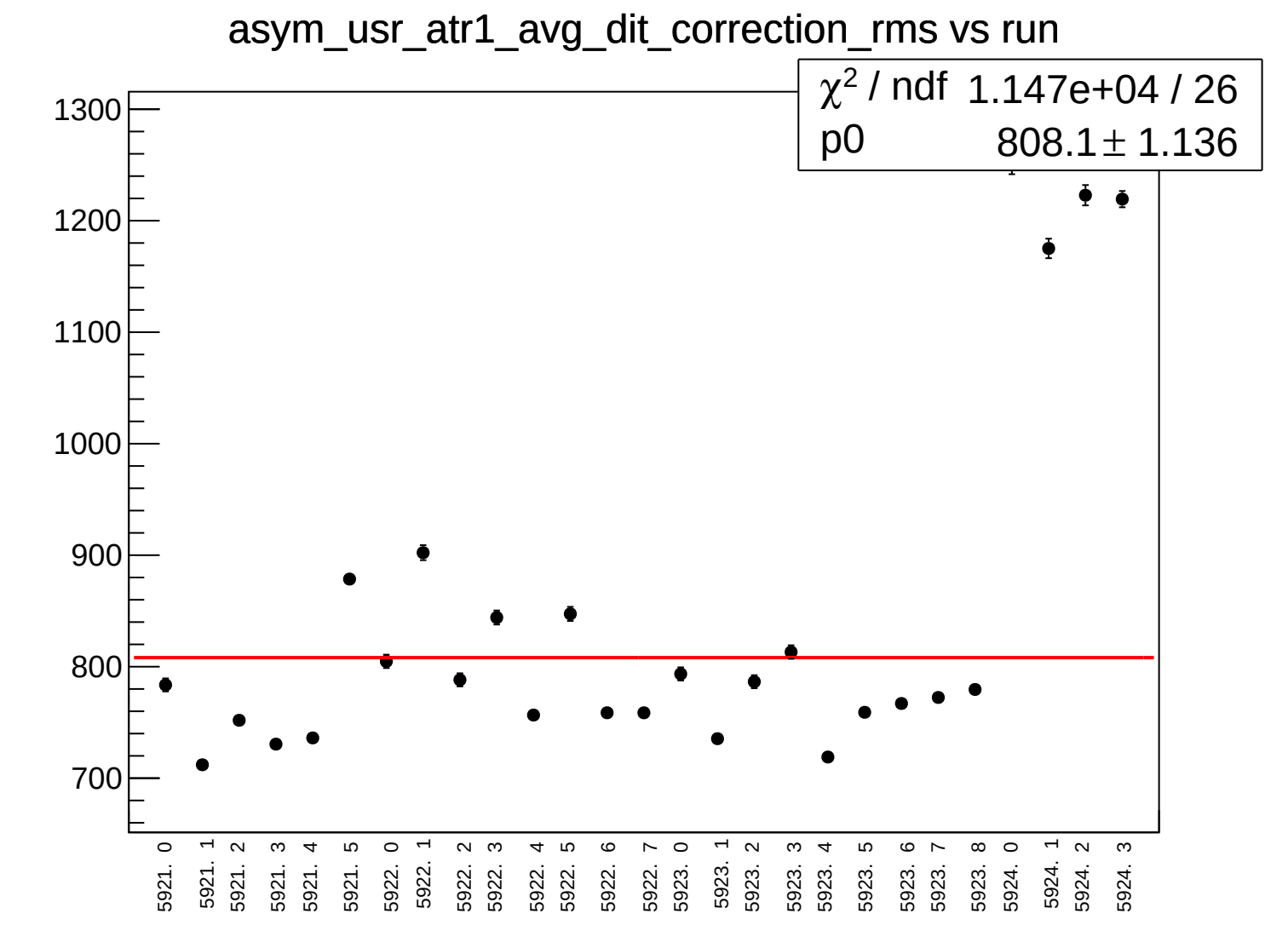

asym_usr_atr1_avg_eigen_cor_correction_rms vs run
χ² / ndf 3864 / 26
p0 783.4 ± 1.093
1050
1000
950
900
850
800
750
700
650
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

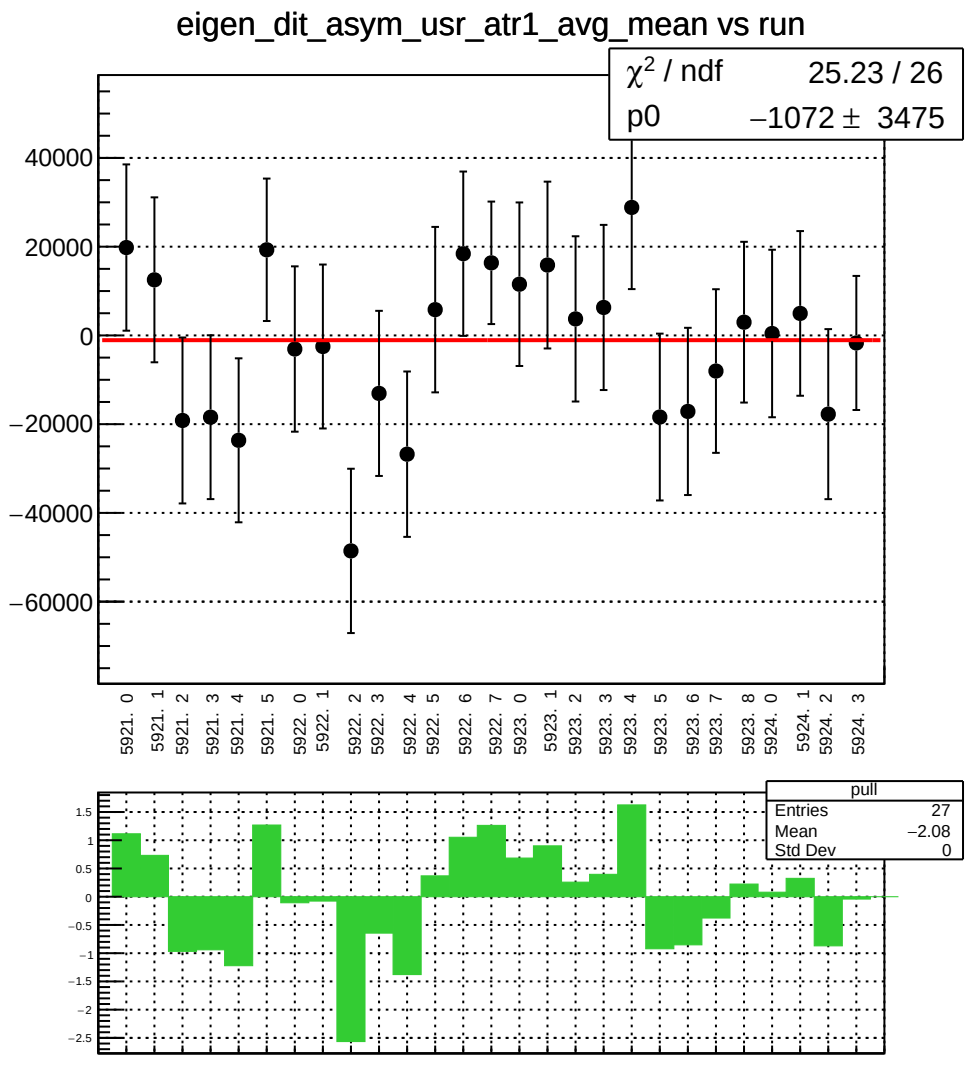

dit_asym_usr_atr1_avg_mean vs run
χ² / ndf 25.23 / 26
p0 −1072 ± 3475
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −2.08
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

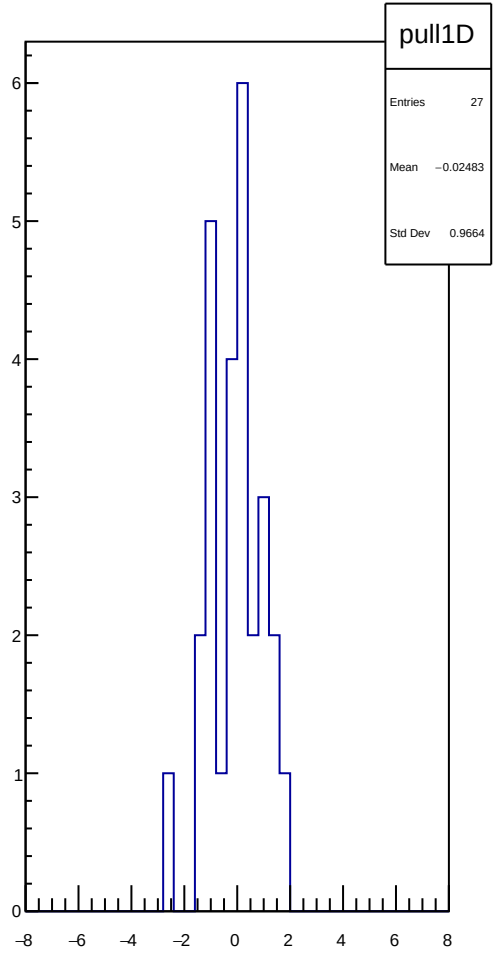

pull1D
Entries 27
Mean −0.02483
Std Dev 0.9664
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

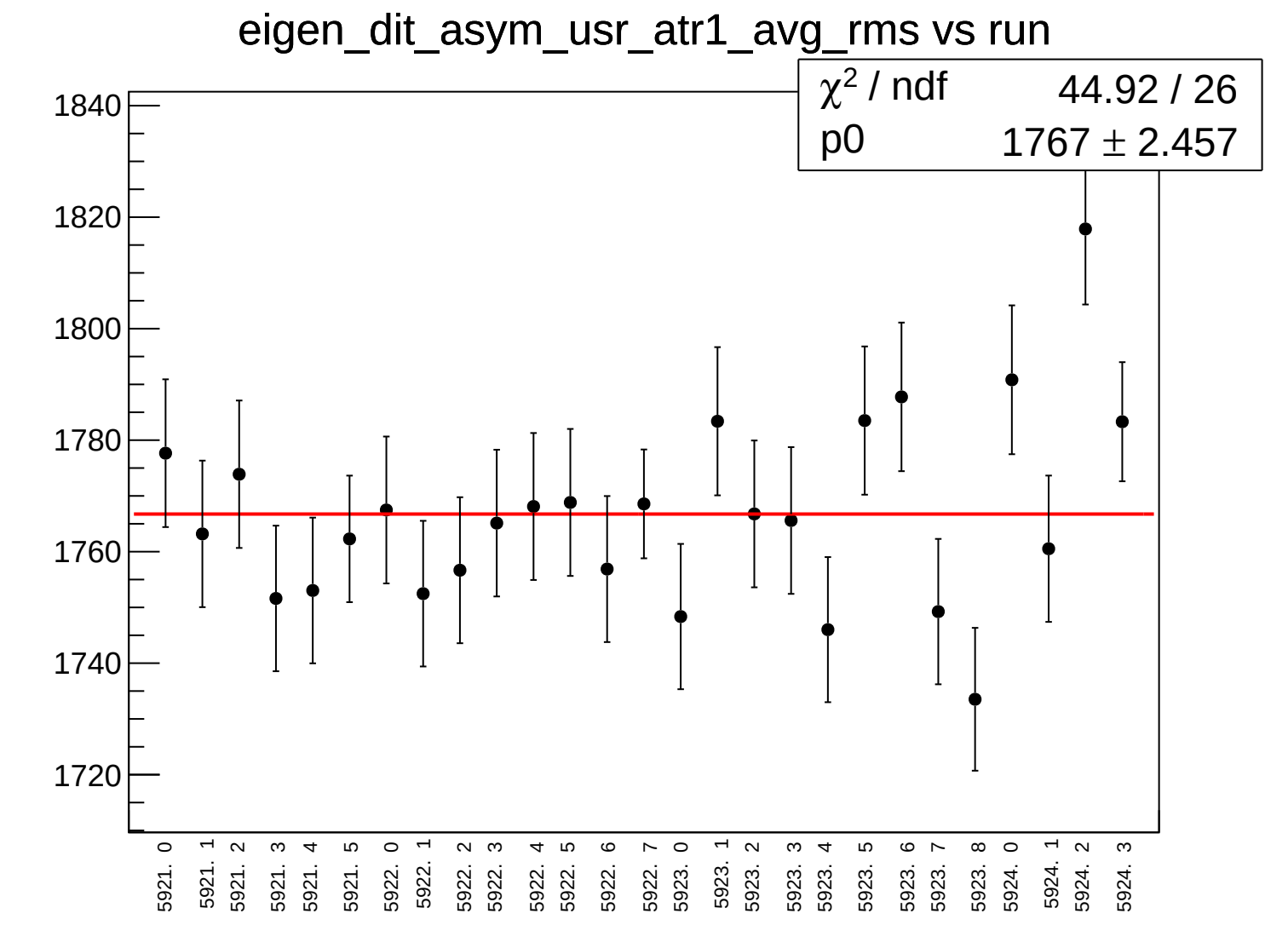

dit_asym_usr_atr1_avg_rms vs run
χ² / ndf 44.92 / 26
p0 1767 ± 2.457
1840
1820
1800
1780
1760
1740
1720
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

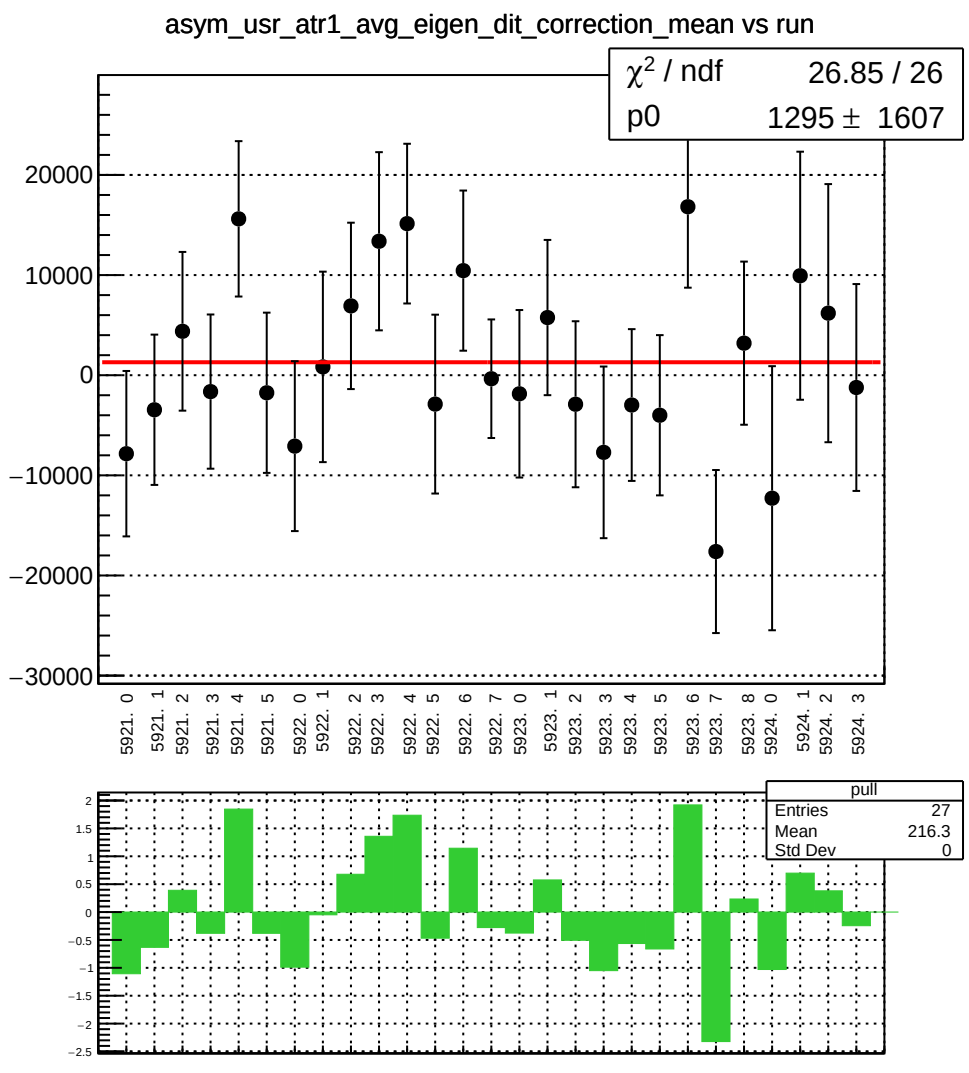

asym_usr_atr1_avg_dit_correction_mean vs run
χ² / ndf 26.85 / 26
p0 1295 ± 1607
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 216.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean −0.002759
Std Dev 0.9971
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

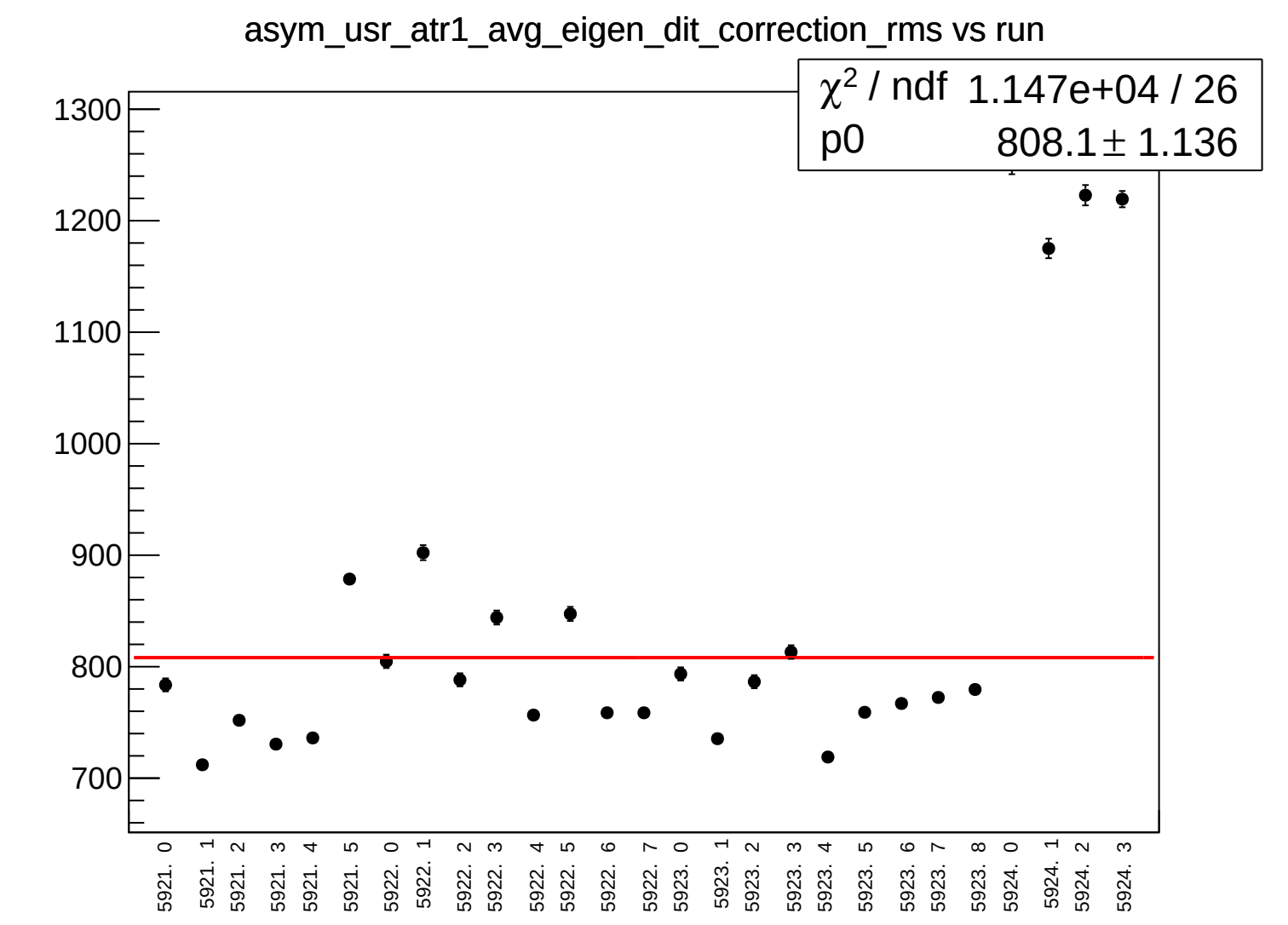

asym_usr_atr1_avg_dit_correction_rms vs run
χ² / ndf 1.147e+04 / 26
p0 808.1 ± 1.136
1300
1200
1100
1000
900
800
700
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


eigen_dit_asym_usr_atr1_avg_mean vs run
χ² / ndf 25.23 / 26
p0 −1072 ± 3475
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −2.08
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 27
Mean −0.02483
Std Dev 0.9664
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_usr_atr1_avg_rms vs run
χ² / ndf 44.92 / 26
p0 1767 ± 2.457
1840
1820
1800
1780
1760
1740
1720
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


asym_usr_atr1_avg_eigen_dit_correction_mean vs run
χ² / ndf 26.85 / 26
p0 1295 ± 1607
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 216.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean −0.002759
Std Dev 0.9971
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr1_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.147e+04 / 26
p0 808.1 ± 1.136
1300
1200
1100
1000
900
800
700
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
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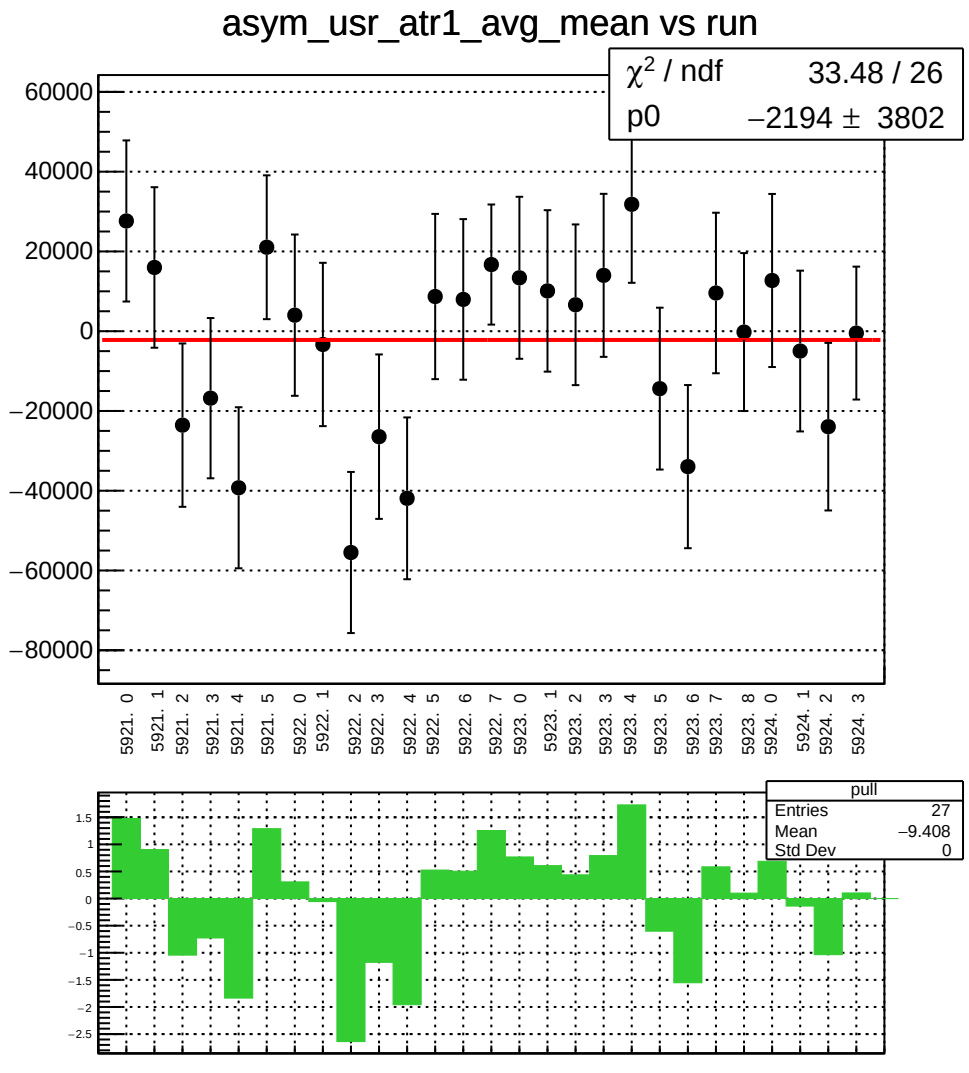
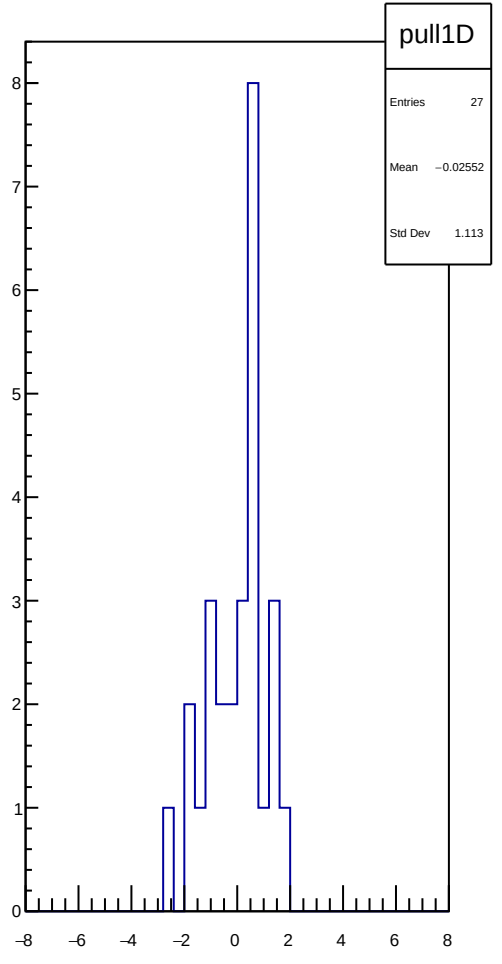
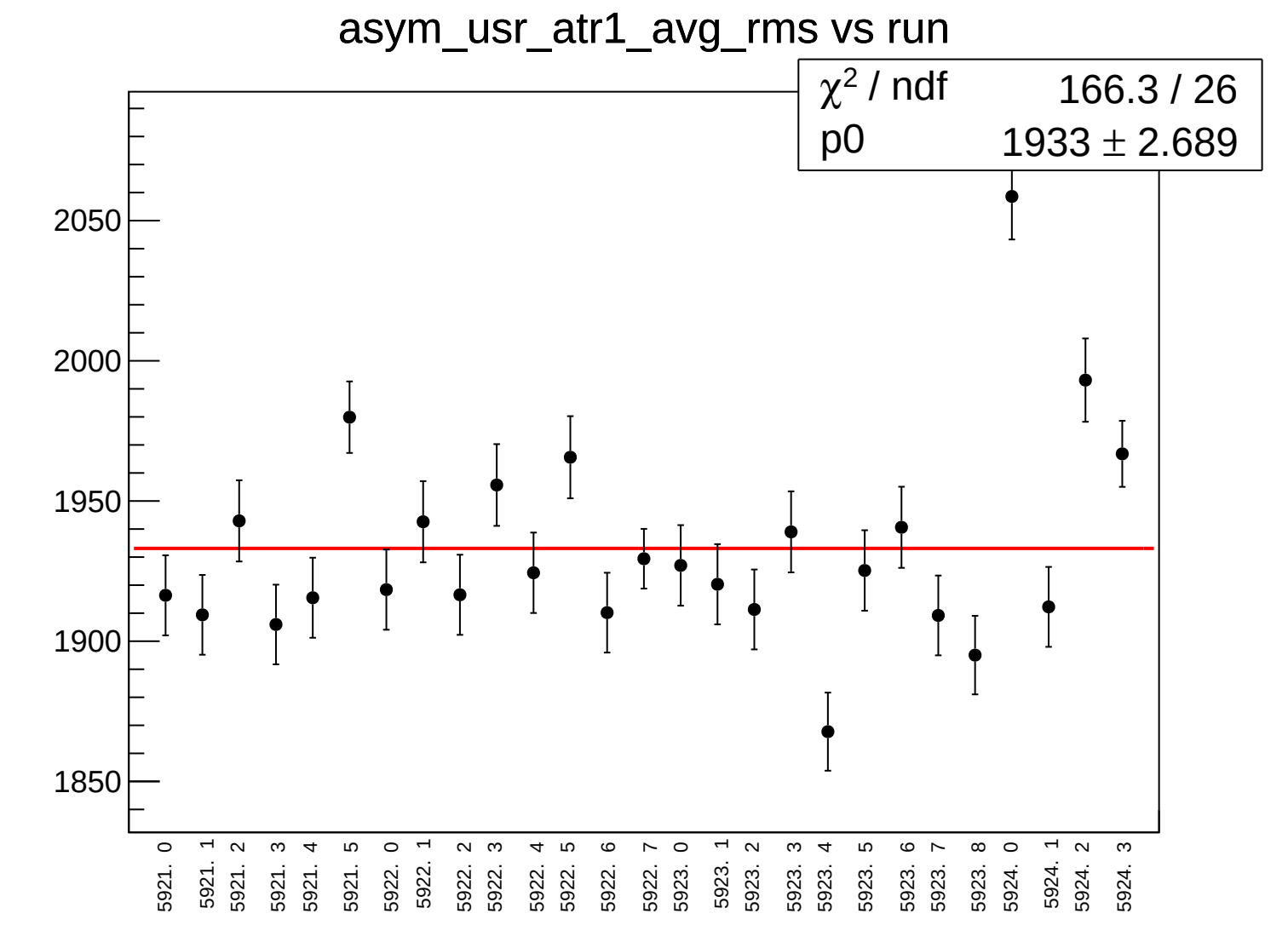
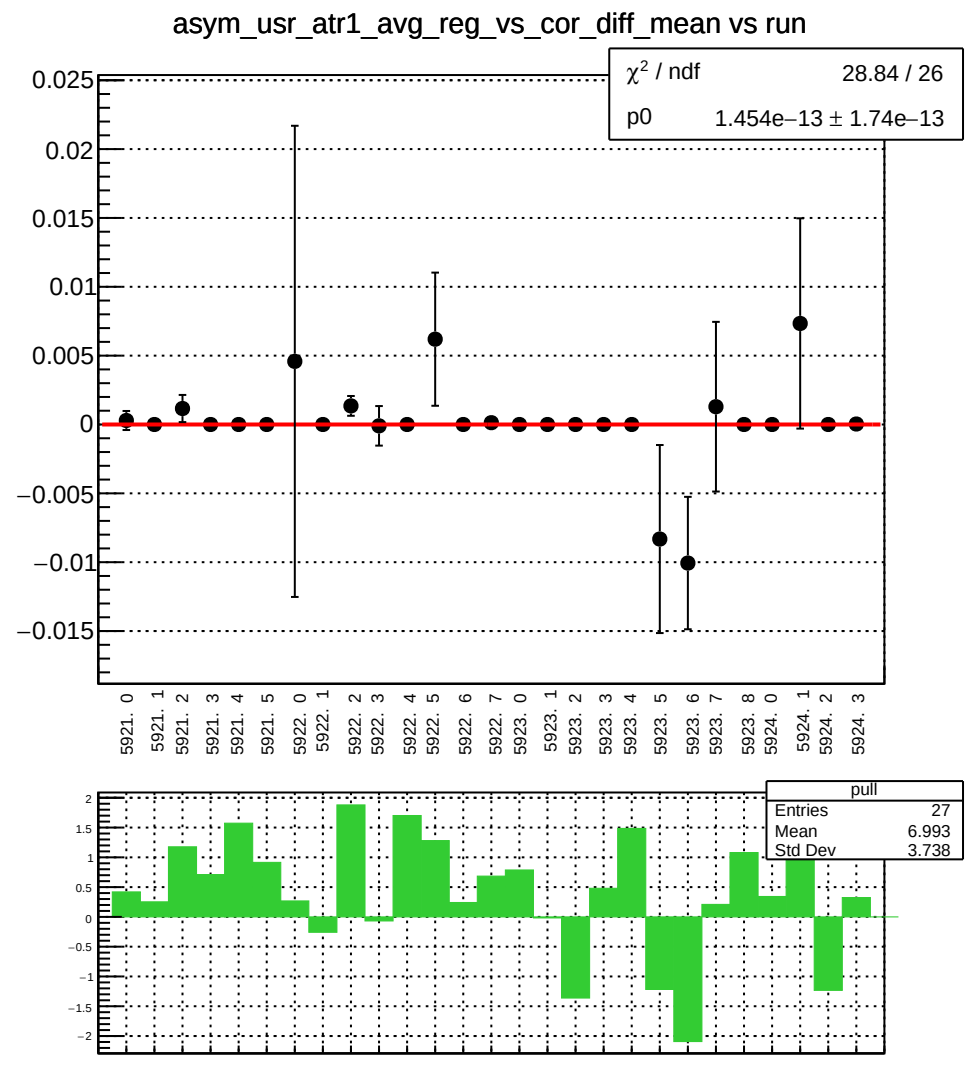
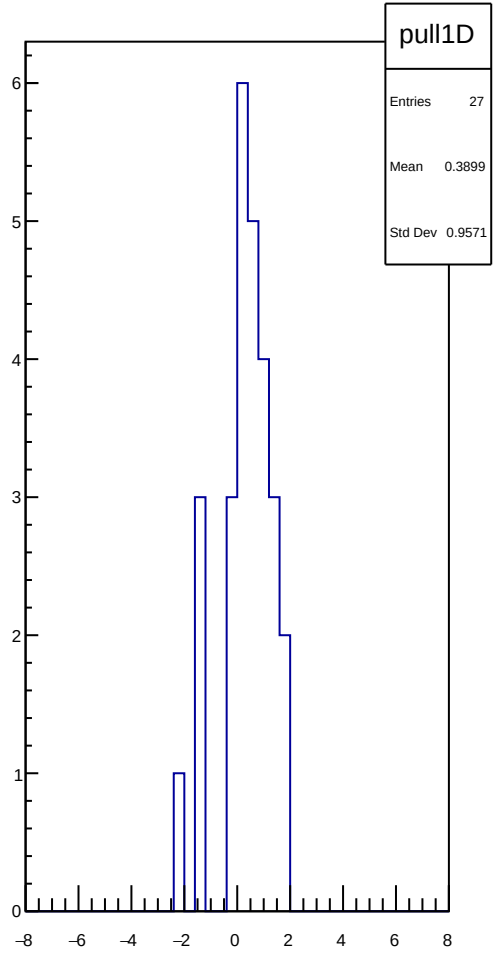
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

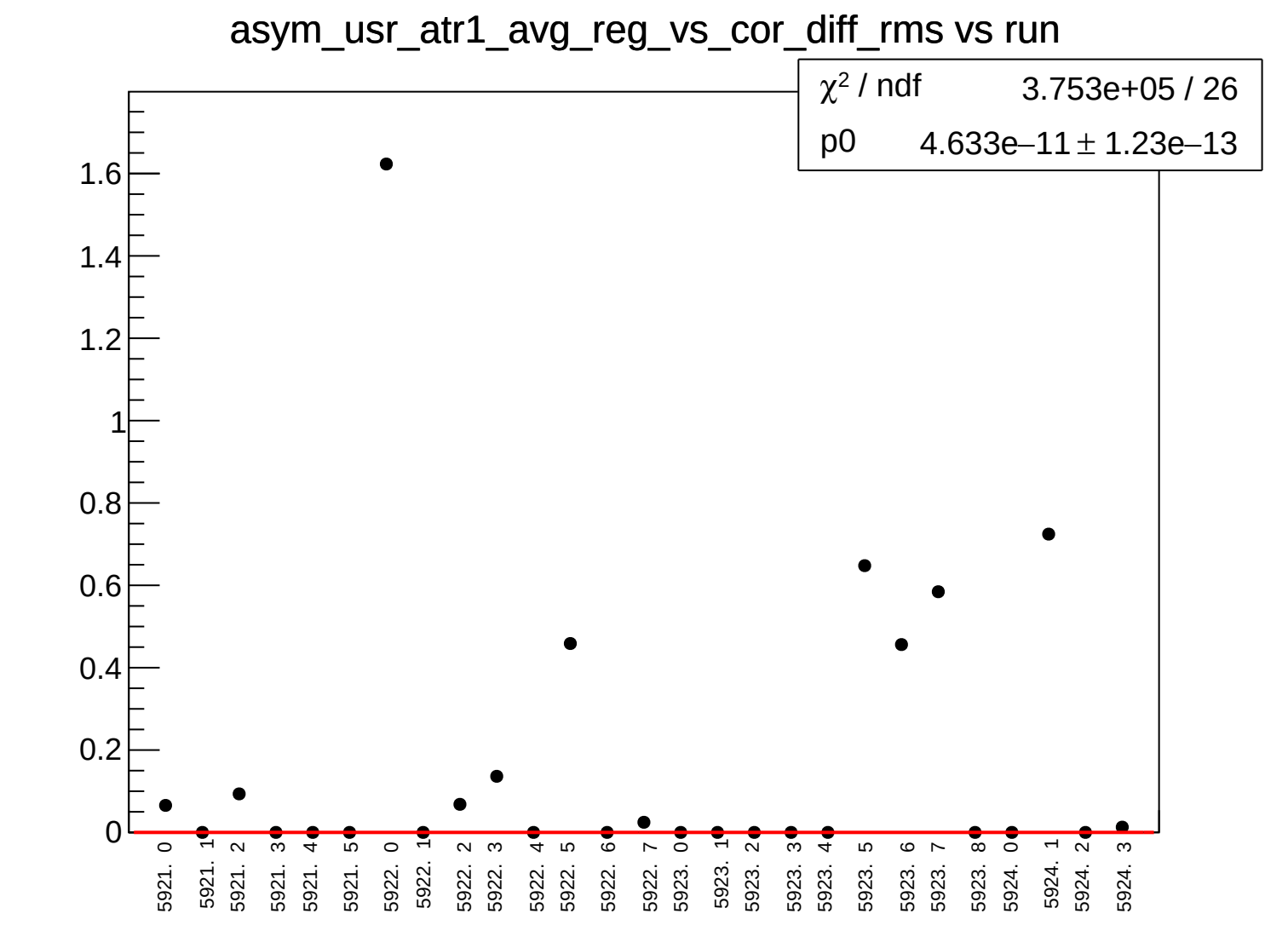

asym_usr_atr1_avg_mean vs run
χ² / ndf 33.48 / 26
p0 −2194 ± 3802
60000
40000
20000
0
−20000
−40000
−60000
−80000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −9.408
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

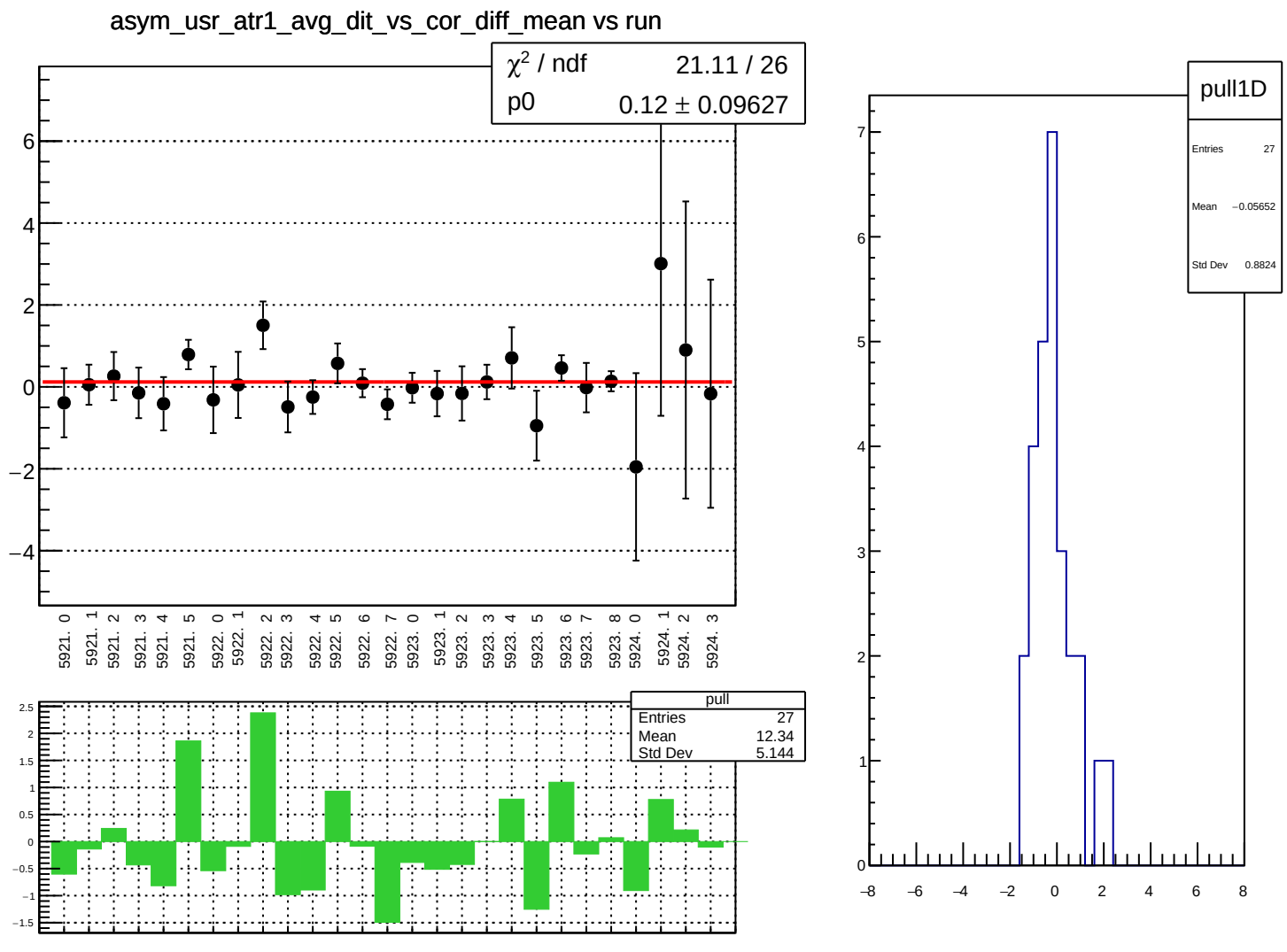

pull1D
Entries 27
Mean −0.02552
Std Dev 1.113
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

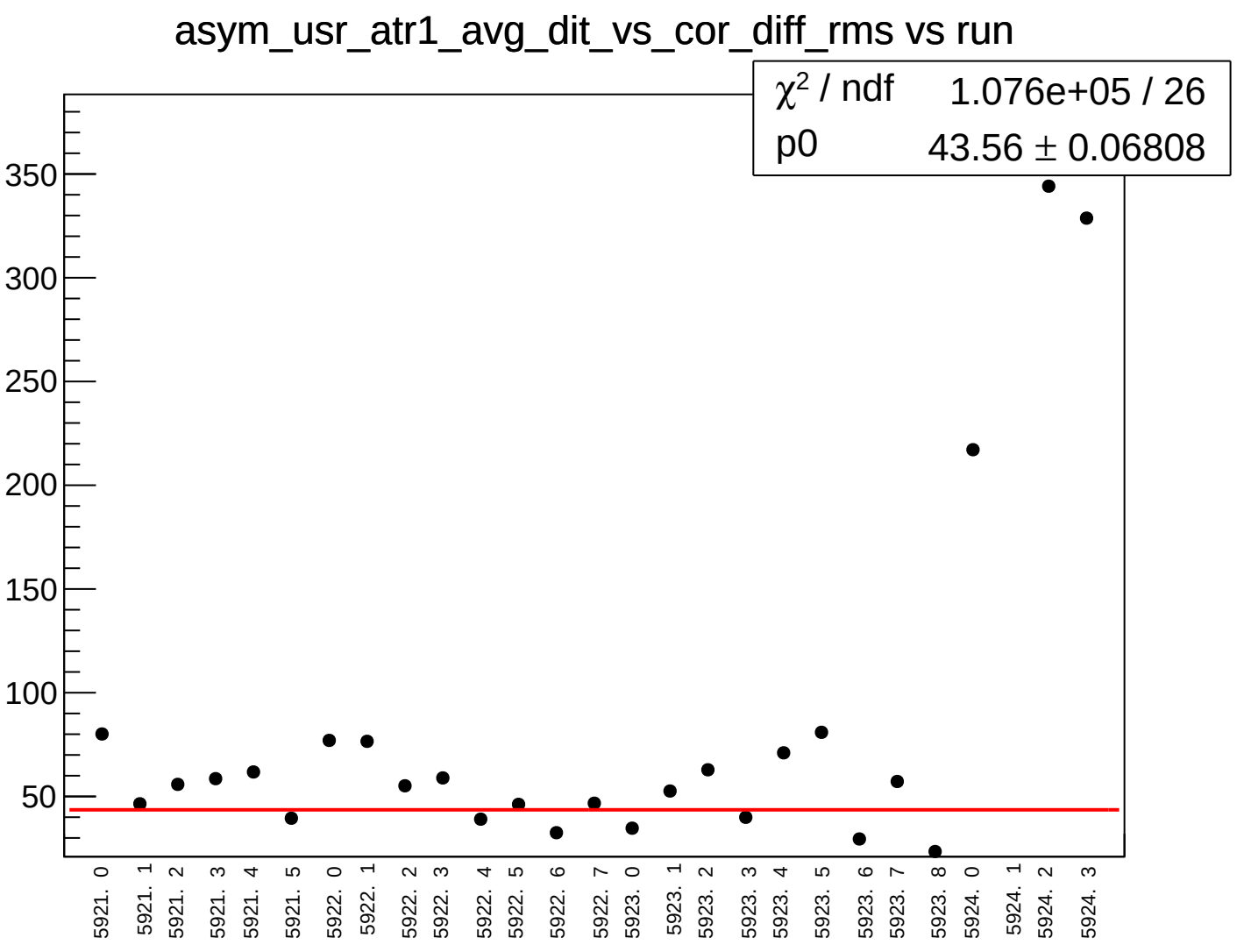

asym_usr_atr1_avg_rms vs run
χ² / ndf 166.3 / 26
p0 1933 ± 2.689
2050
2000
1950
1900
1850
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


asym_usr_atr1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 28.84 / 26
p0 1.454e−13 ± 1.74e−13
0.025
0.02
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 6.993
Std Dev 3.738
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 27
Mean 0.3899
Std Dev 0.9571
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.753e+05 / 26
p0 4.633e−11 ± 1.23e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


asym_usr_atr1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 21.11 / 26
p0 0.12 ± 0.09627
6
4
2
0
−2
−4
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 12.34
Std Dev 5.144
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.05652
Std Dev 0.8824
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.076e+05 / 26
p0 43.56 ± 0.06808
350
300
250
200
150
100
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
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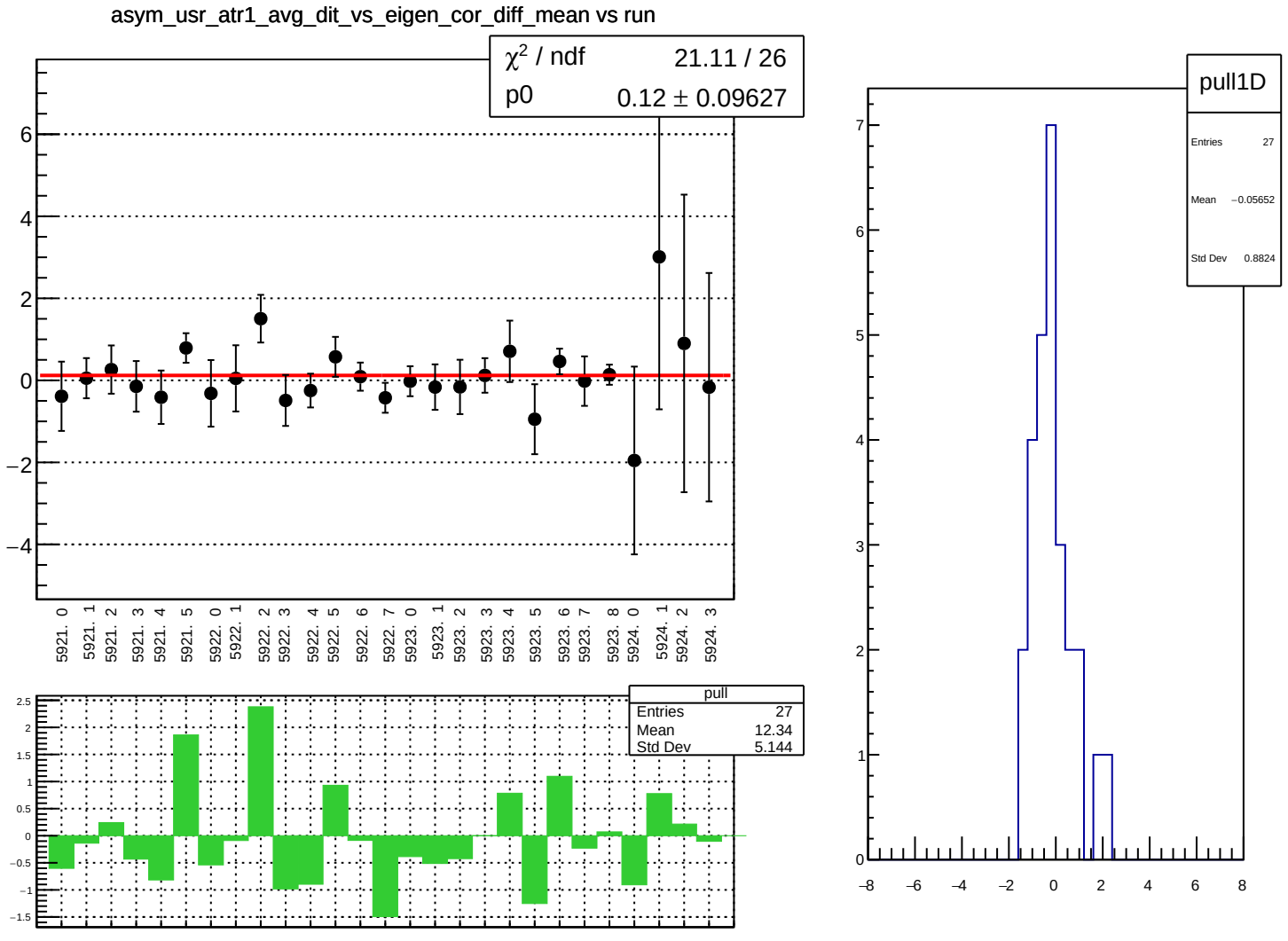
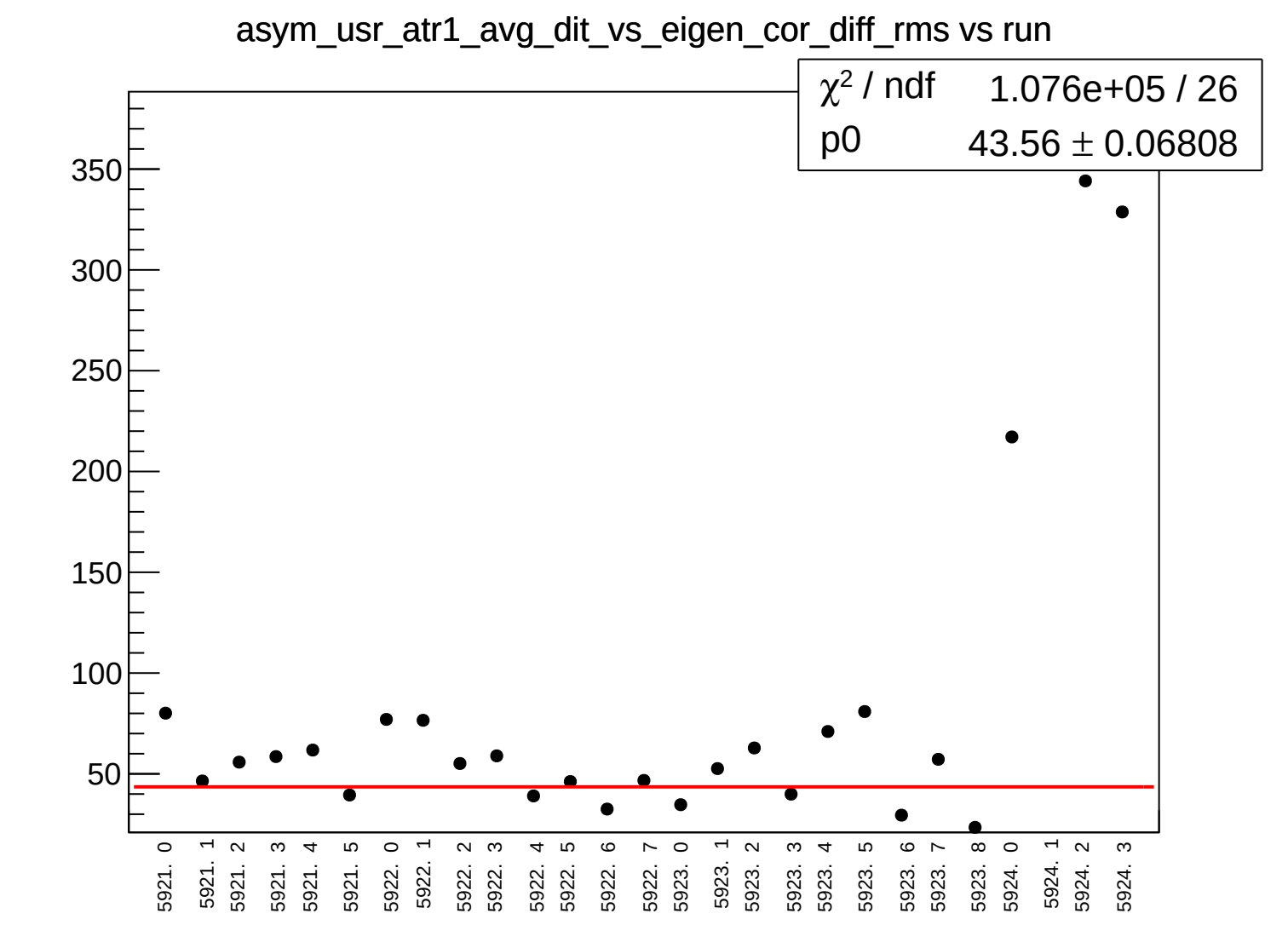
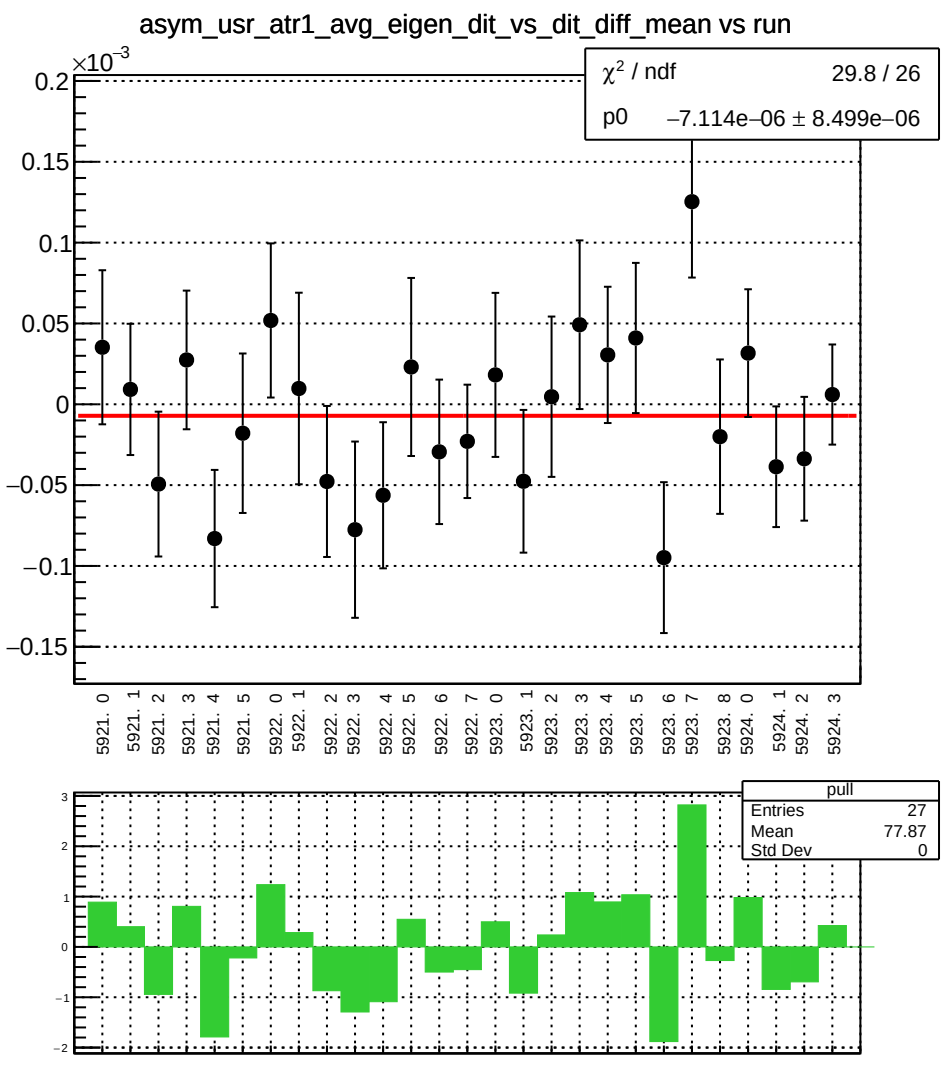
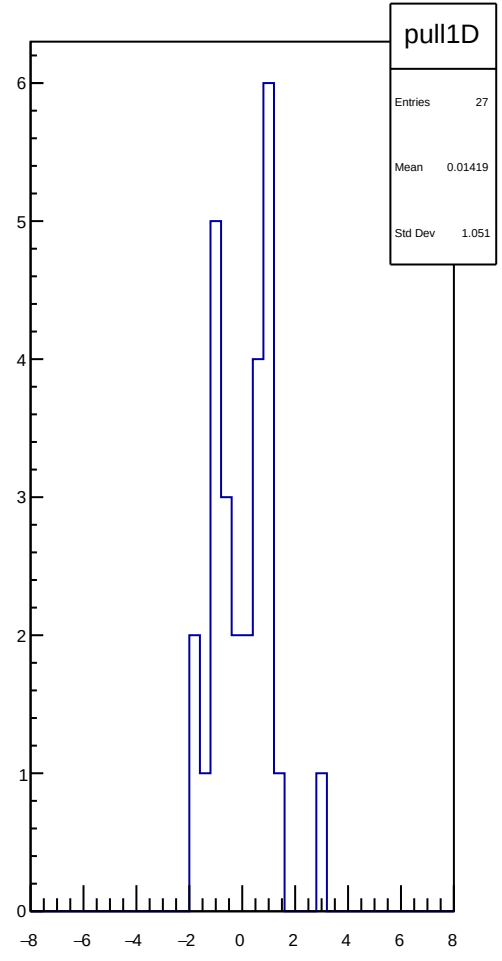
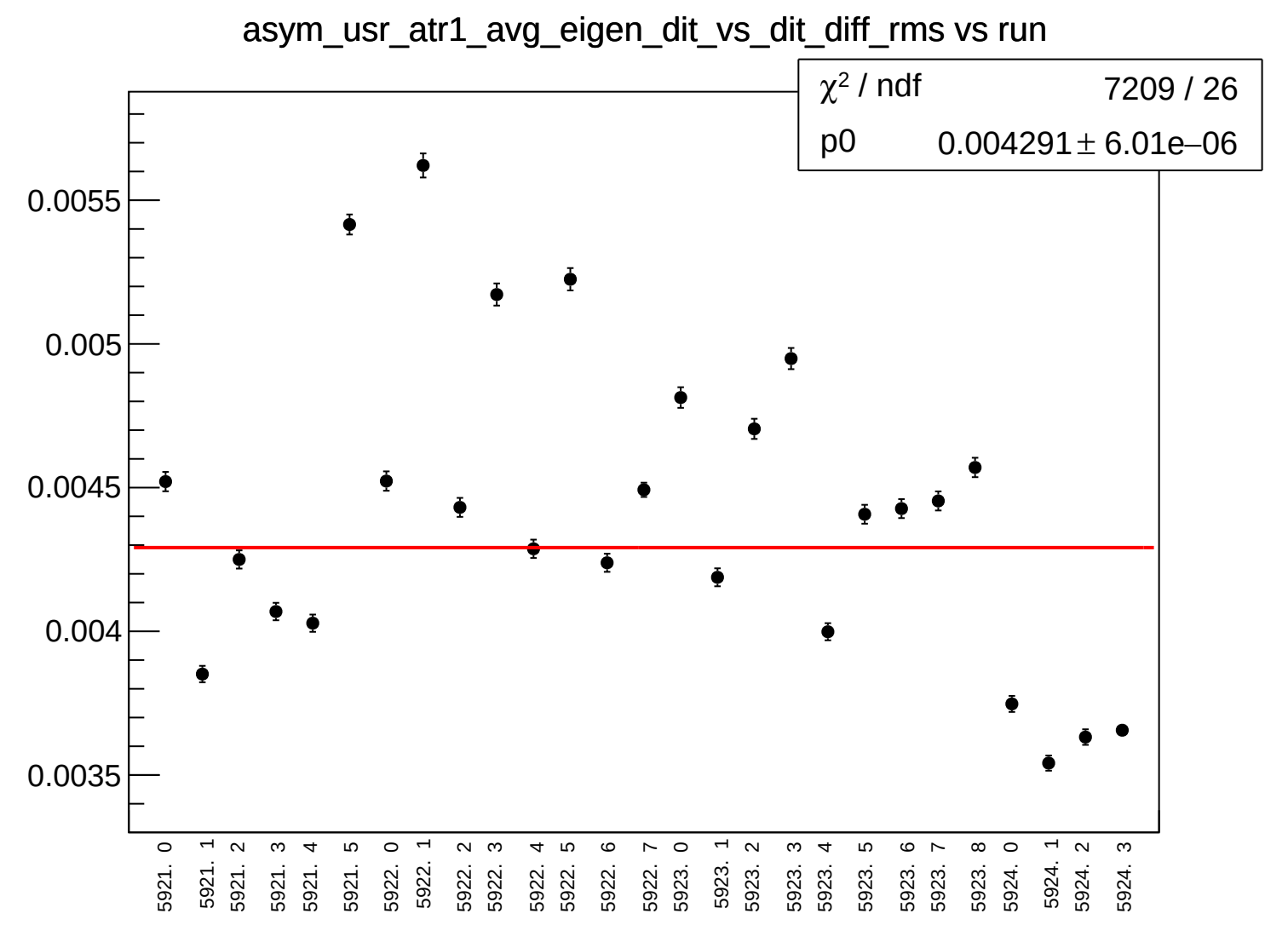
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

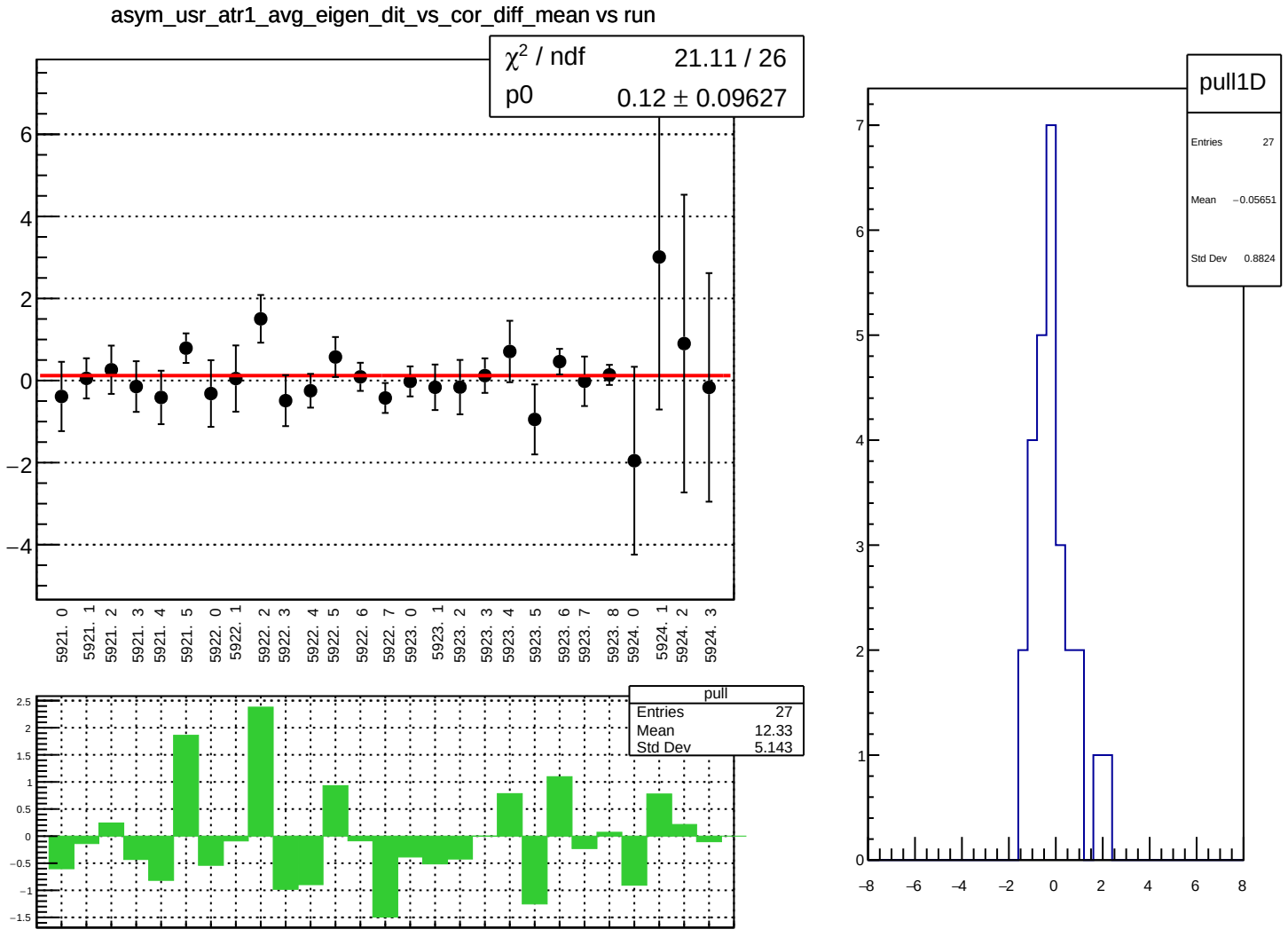

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 21.11 / 26
p0 0.12 ± 0.09627
6
4
2
0
−2
−4
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 12.34
Std Dev 5.144
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.05652
Std Dev 0.8824
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

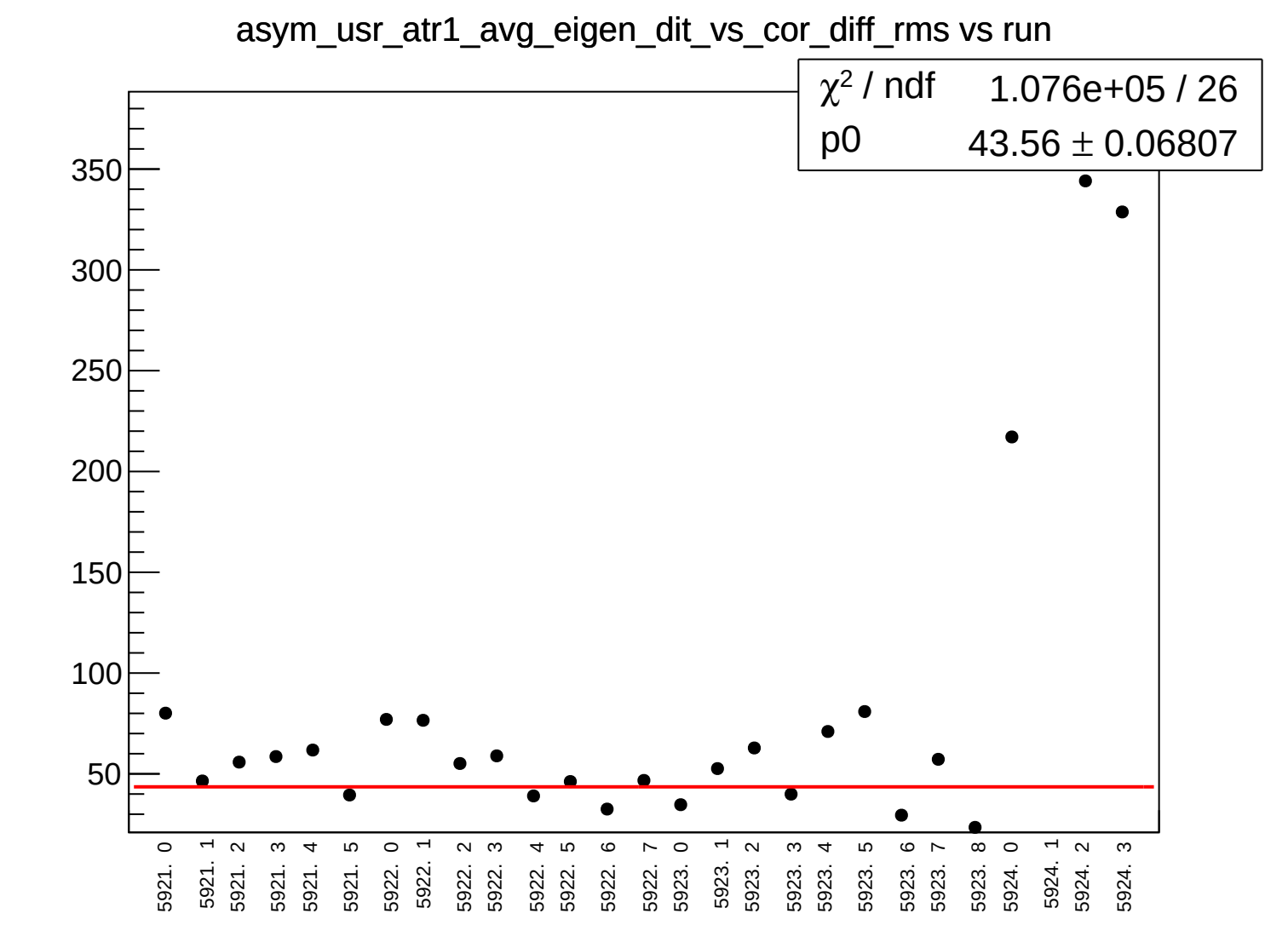

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.076e+05 / 26
p0 43.56 ± 0.06808
350
300
250
200
150
100
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

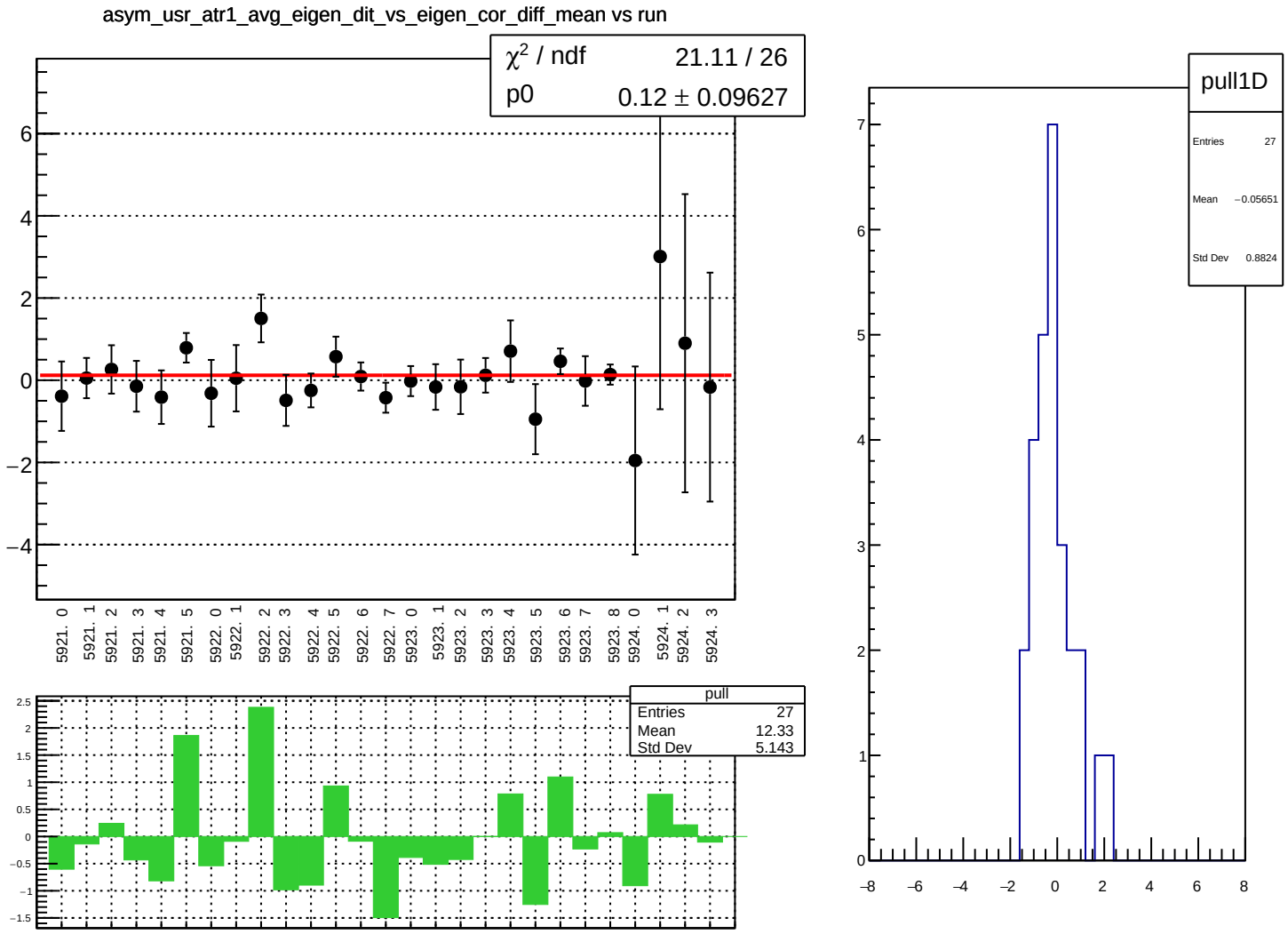

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 29.8 / 26
p0 −7.114e−06 ± 8.499e−06
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 77.87
Std Dev 0
3
2
1
0
−1
−2

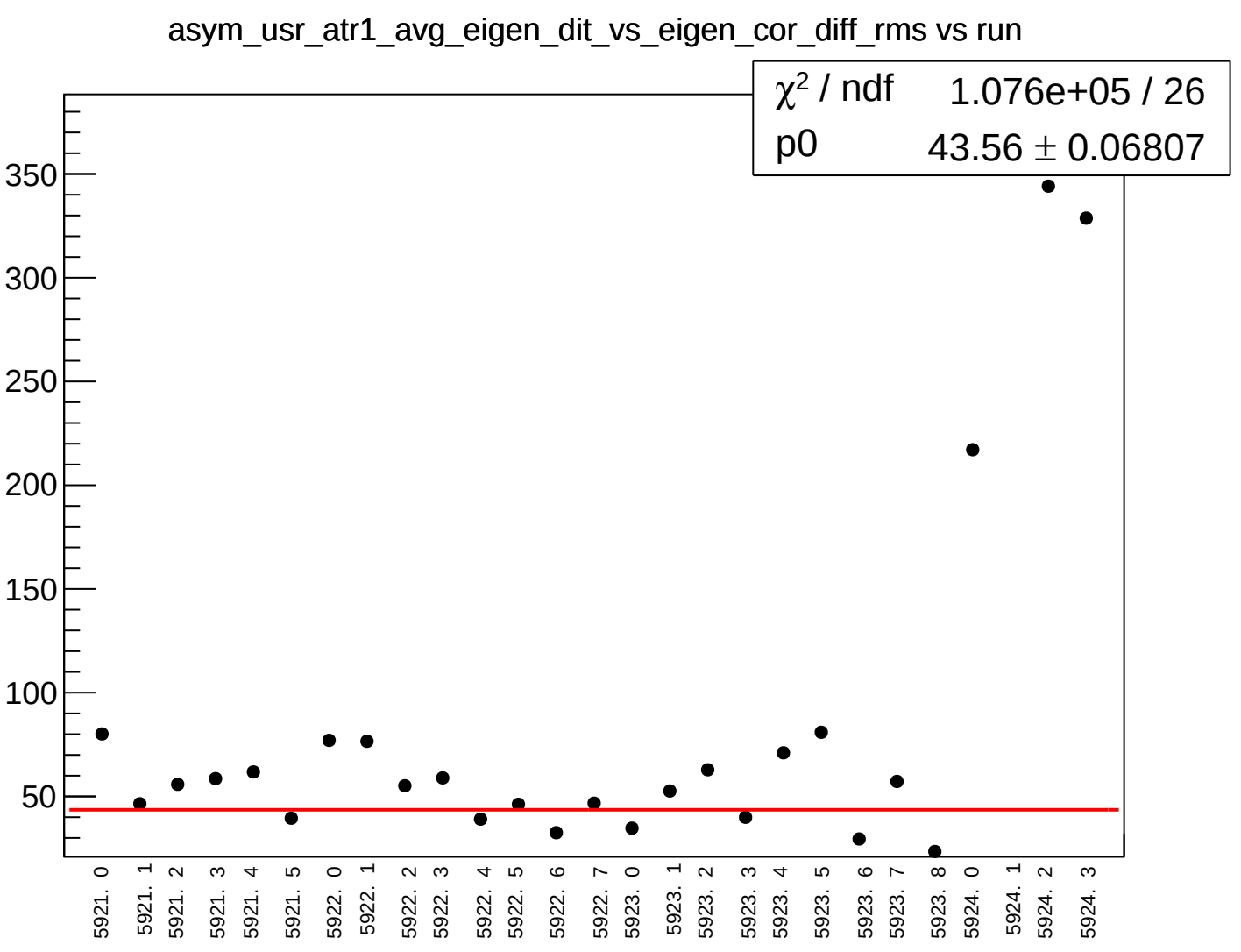

pull1D
Entries 27
Mean 0.01419
Std Dev 1.051
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

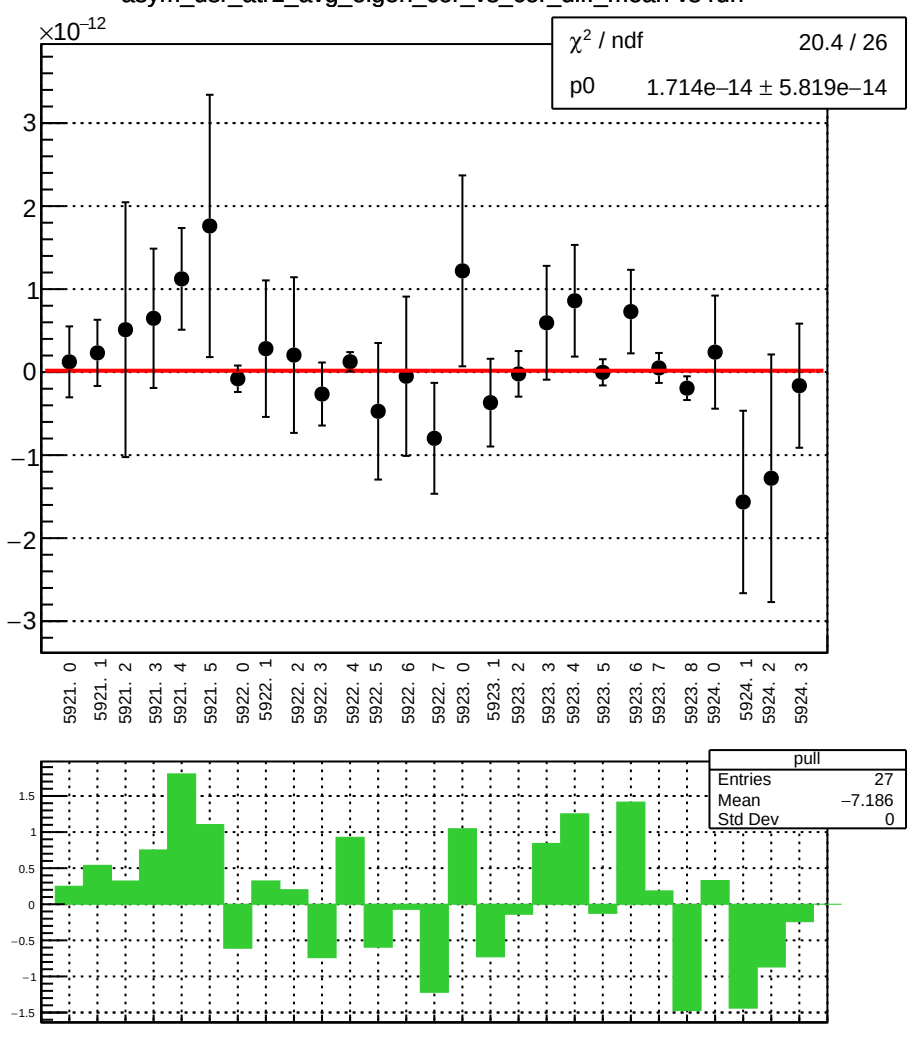

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7209 / 26
p0 0.004291 ± 6.01e–06
0.0055
0.005
0.0045
0.004
0.0035
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

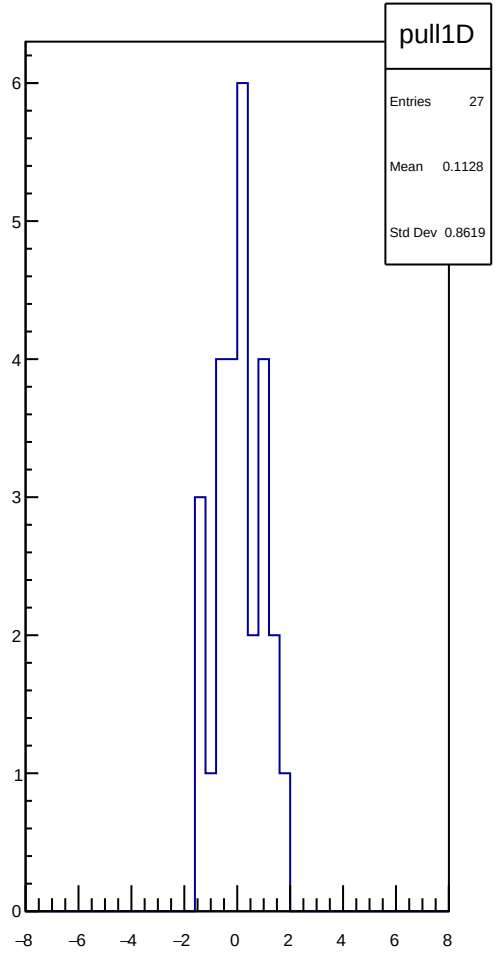

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 21.11 / 26
p0 0.12 ± 0.09627
pull
Entries 27
Mean 12.33
Std Dev 5.143
pull1D
Entries 27
Mean −0.05651
Std Dev 0.8824

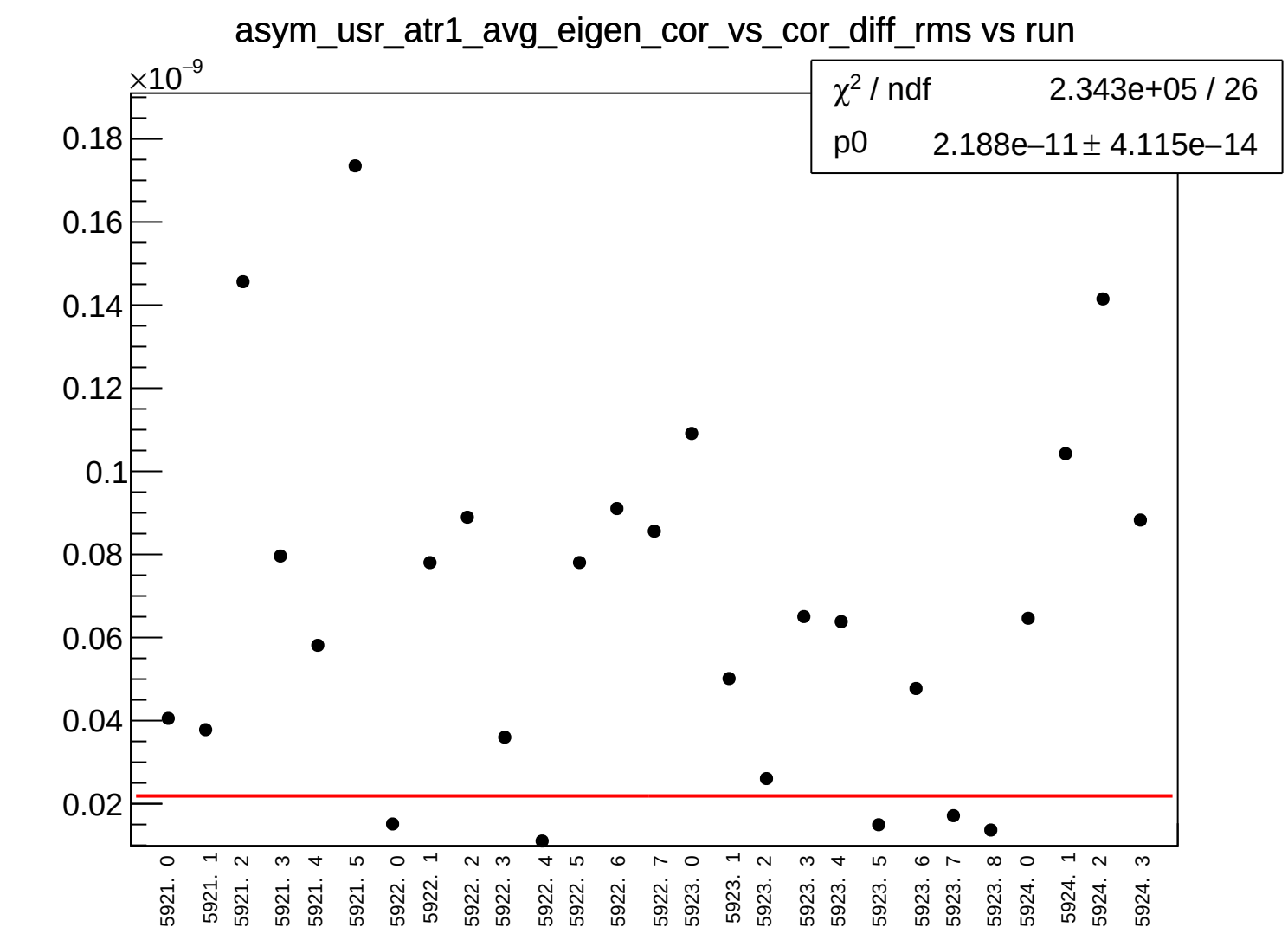

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.076e+05 / 26
p0 43.56 ± 0.06807
350
300
250
200
150
100
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

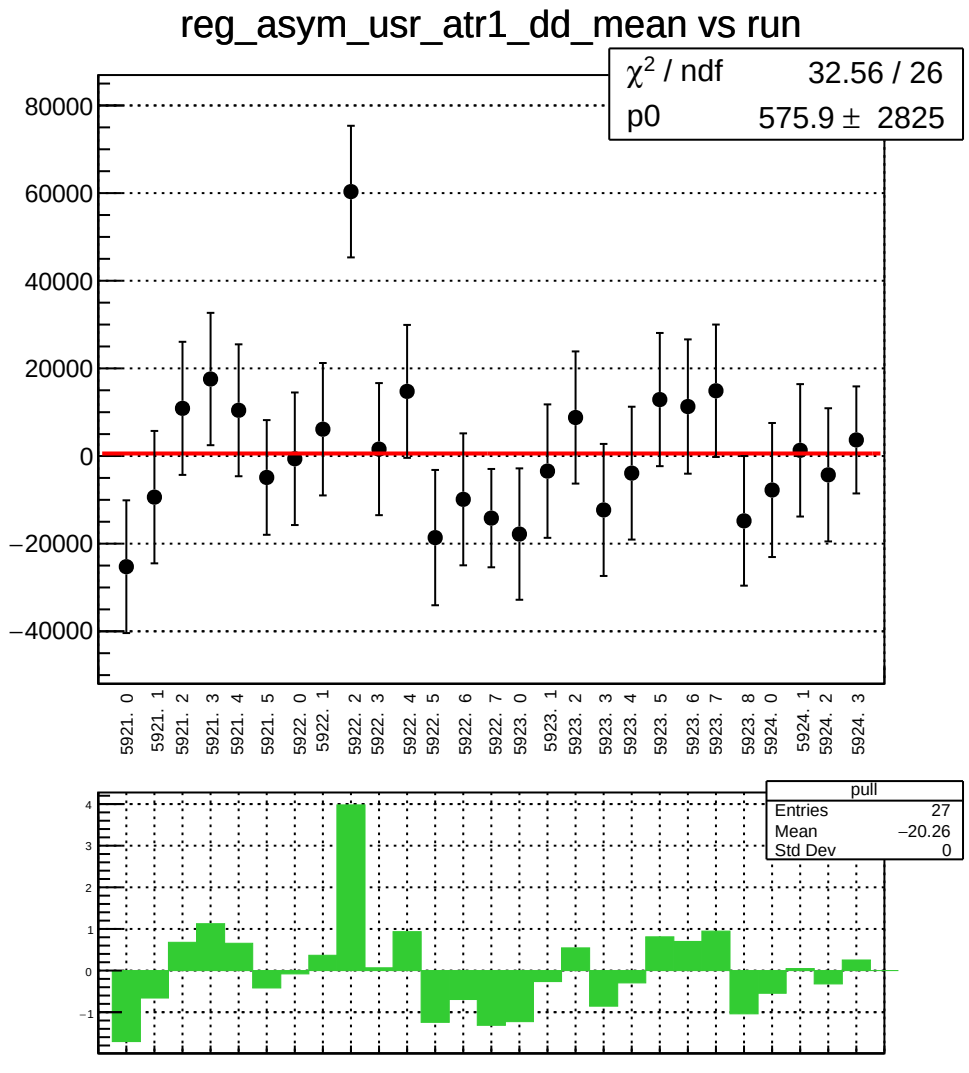

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 21.11 / 26
p0 0.12 ± 0.09627
6
4
2
0
−2
−4
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 12.33
Std Dev 5.143
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.05651
Std Dev 0.8824
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

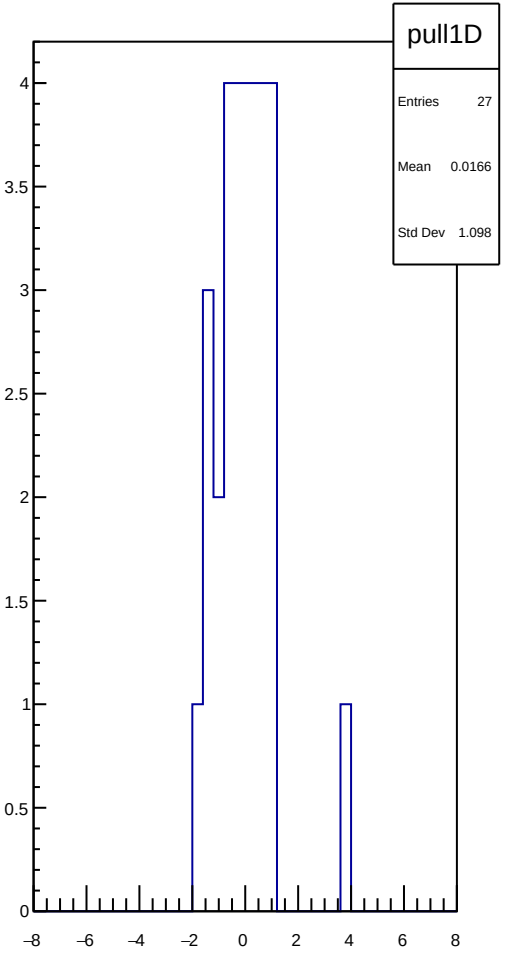

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.076e+05 / 26
p0 43.56 ± 0.06807
350
300
250
200
150
100
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

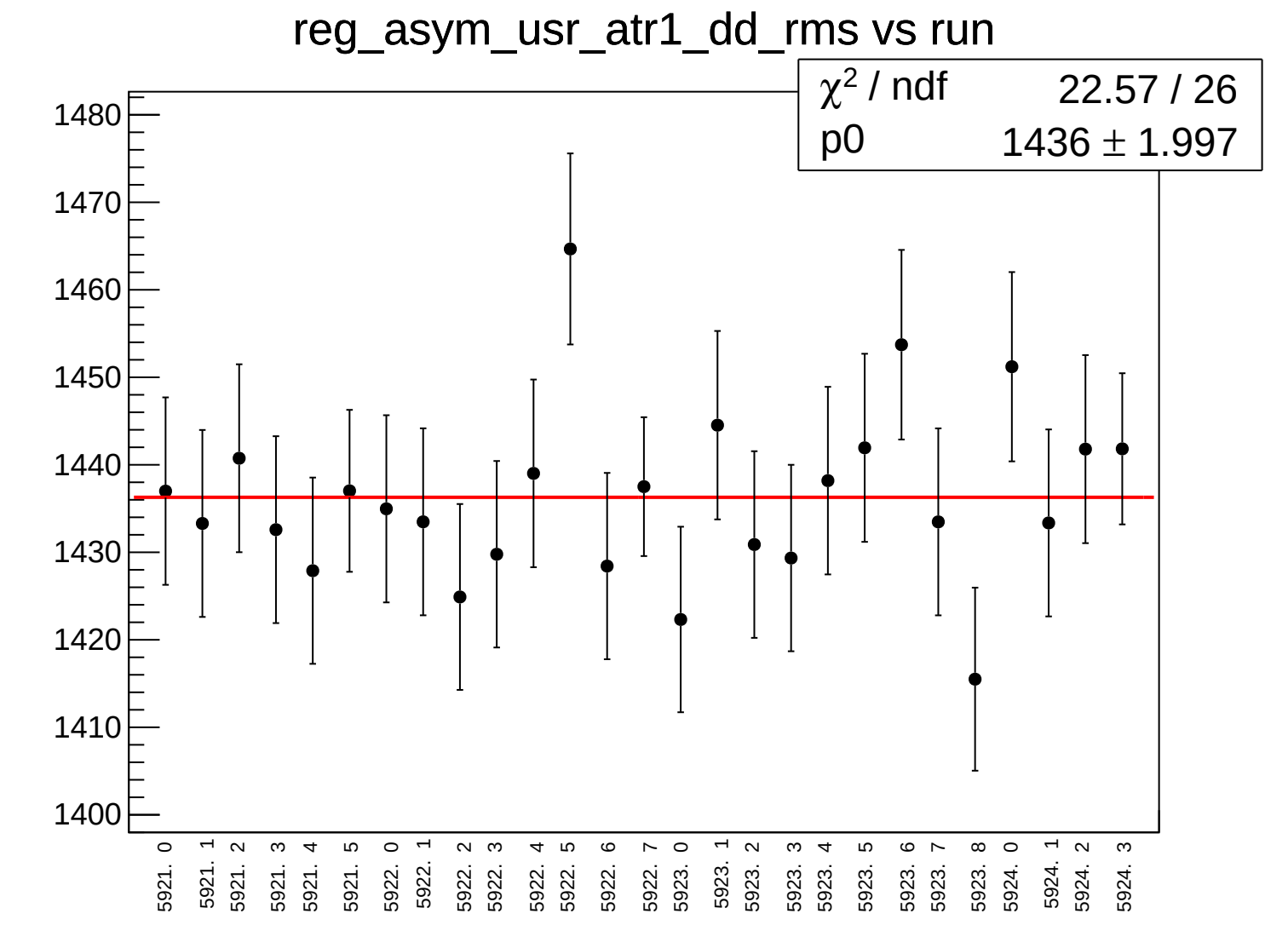

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 20.4 / 26
p0 1.714e−14 ± 5.819e−14
3
2
1
0
−1
−2
−3
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −7.186
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

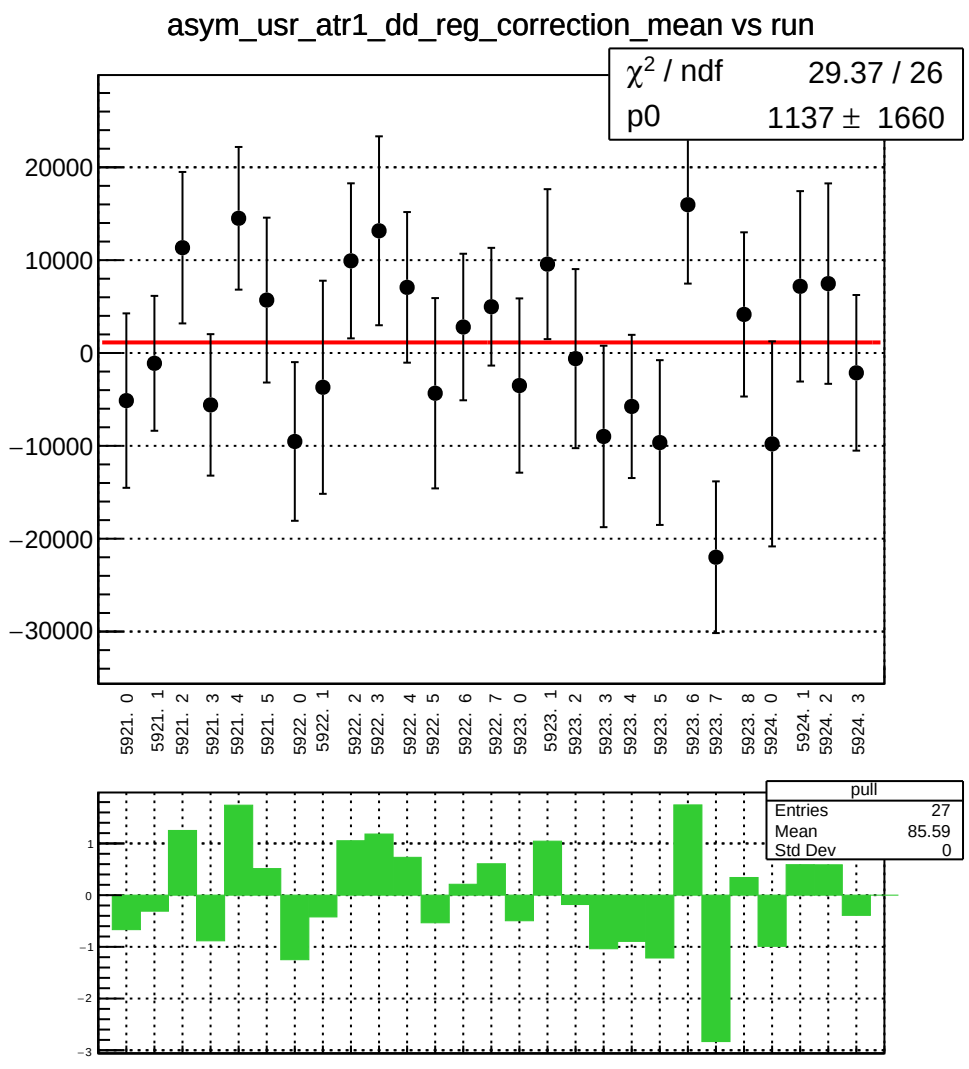

pull1D
Entries 27
Mean 0.1128
Std Dev 0.8619
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

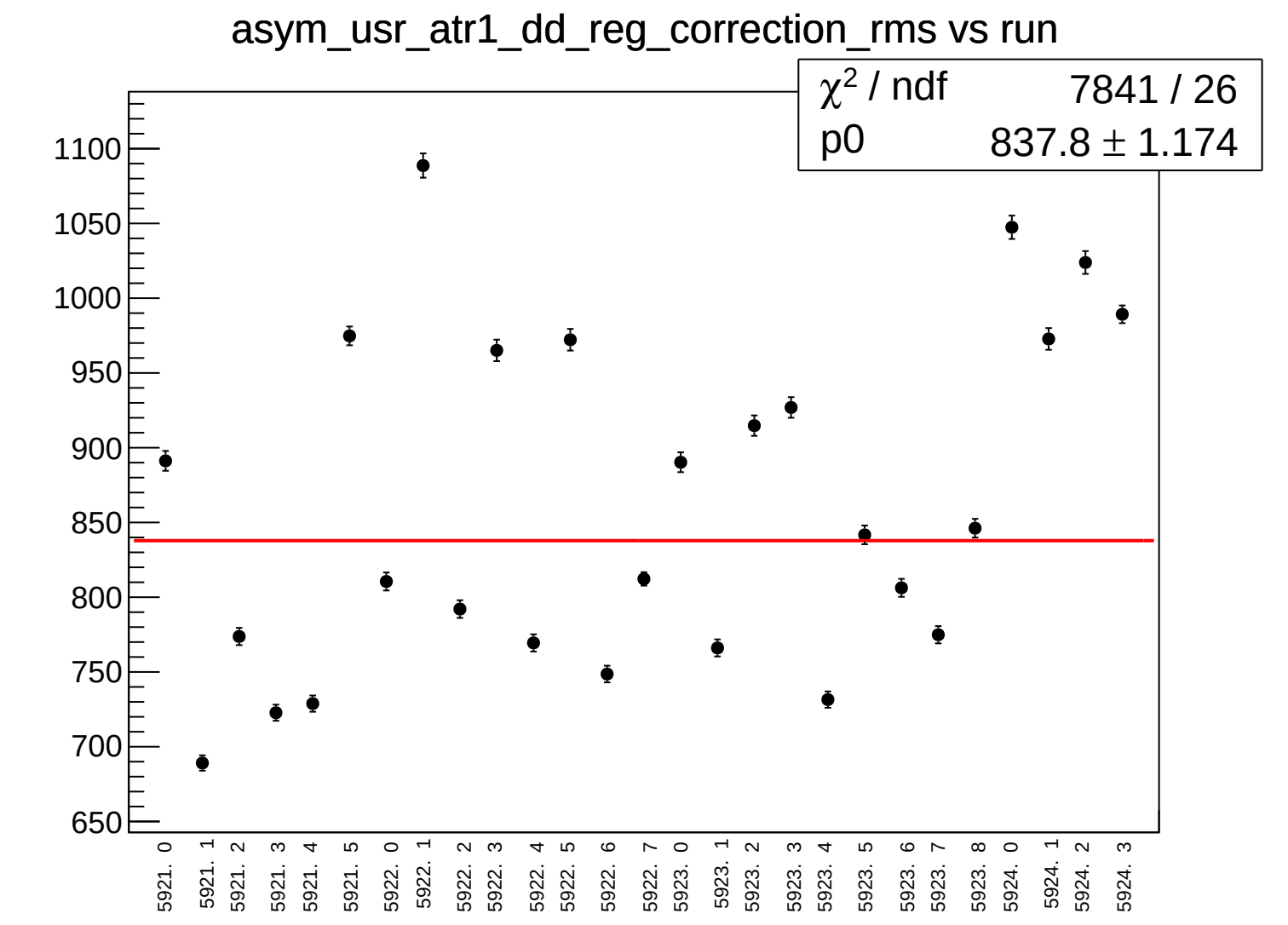

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.343e+05 / 26
p0 2.188e−11 ± 4.115e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

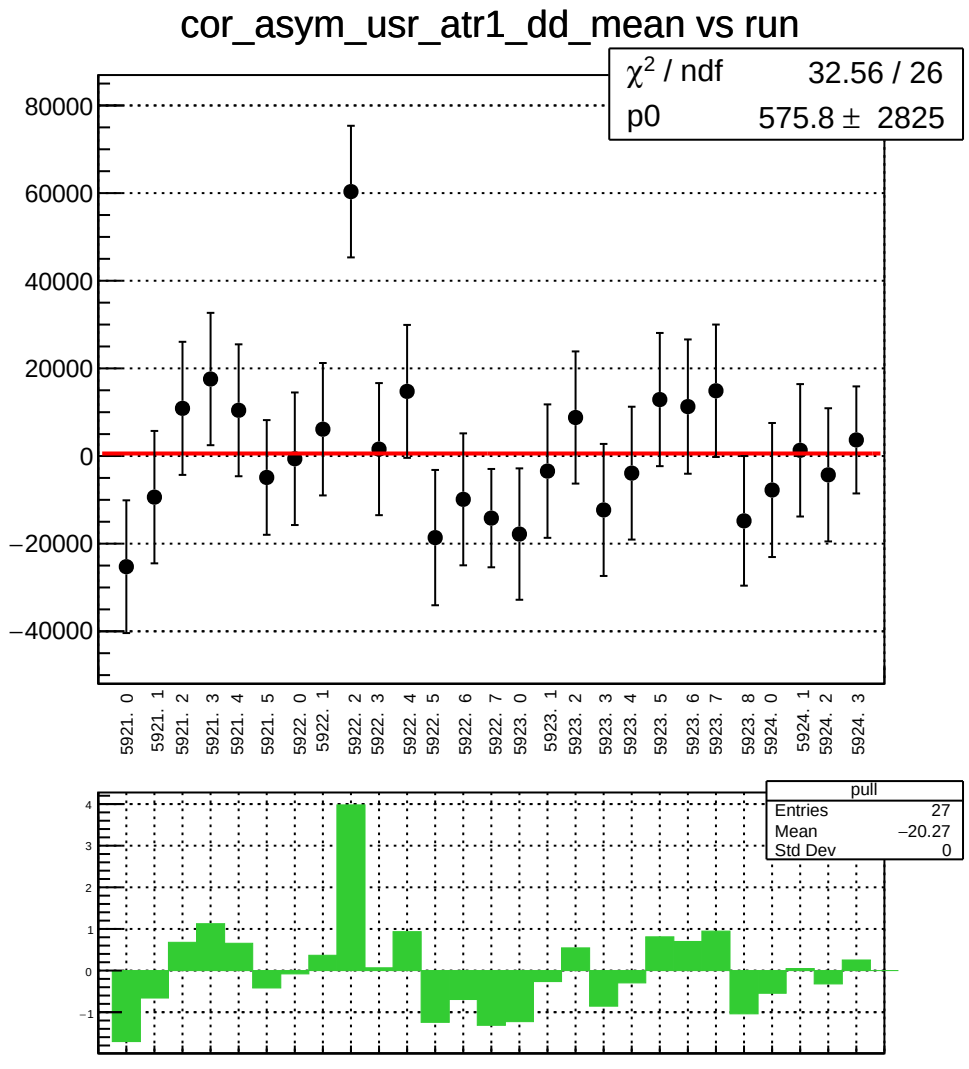

reg_asym_usr_atr1_dd_mean vs run
χ² / ndf 32.56 / 26
p0 575.9 ± 2825
80000
60000
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −20.26
Std Dev 0
4
3
2
1
0
−1

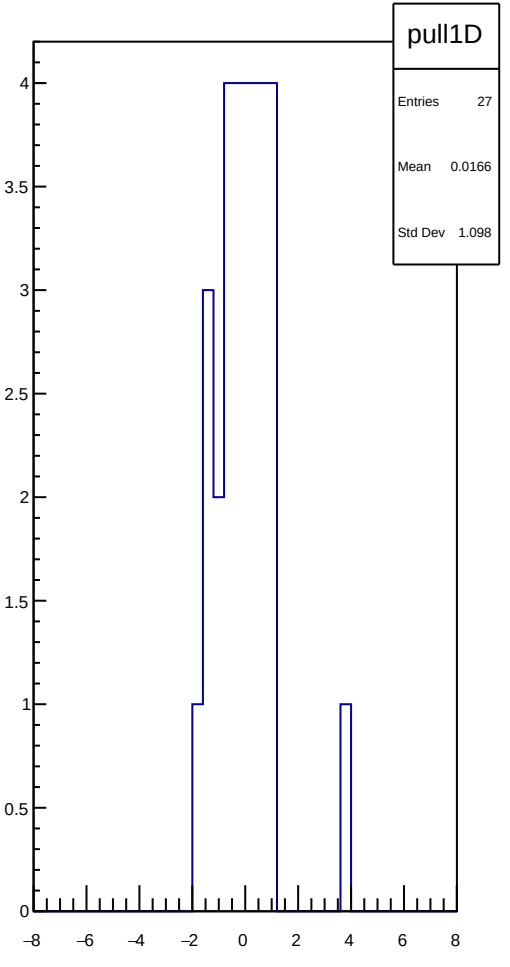

pull1D
Entries 27
Mean 0.0166
Std Dev 1.098
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

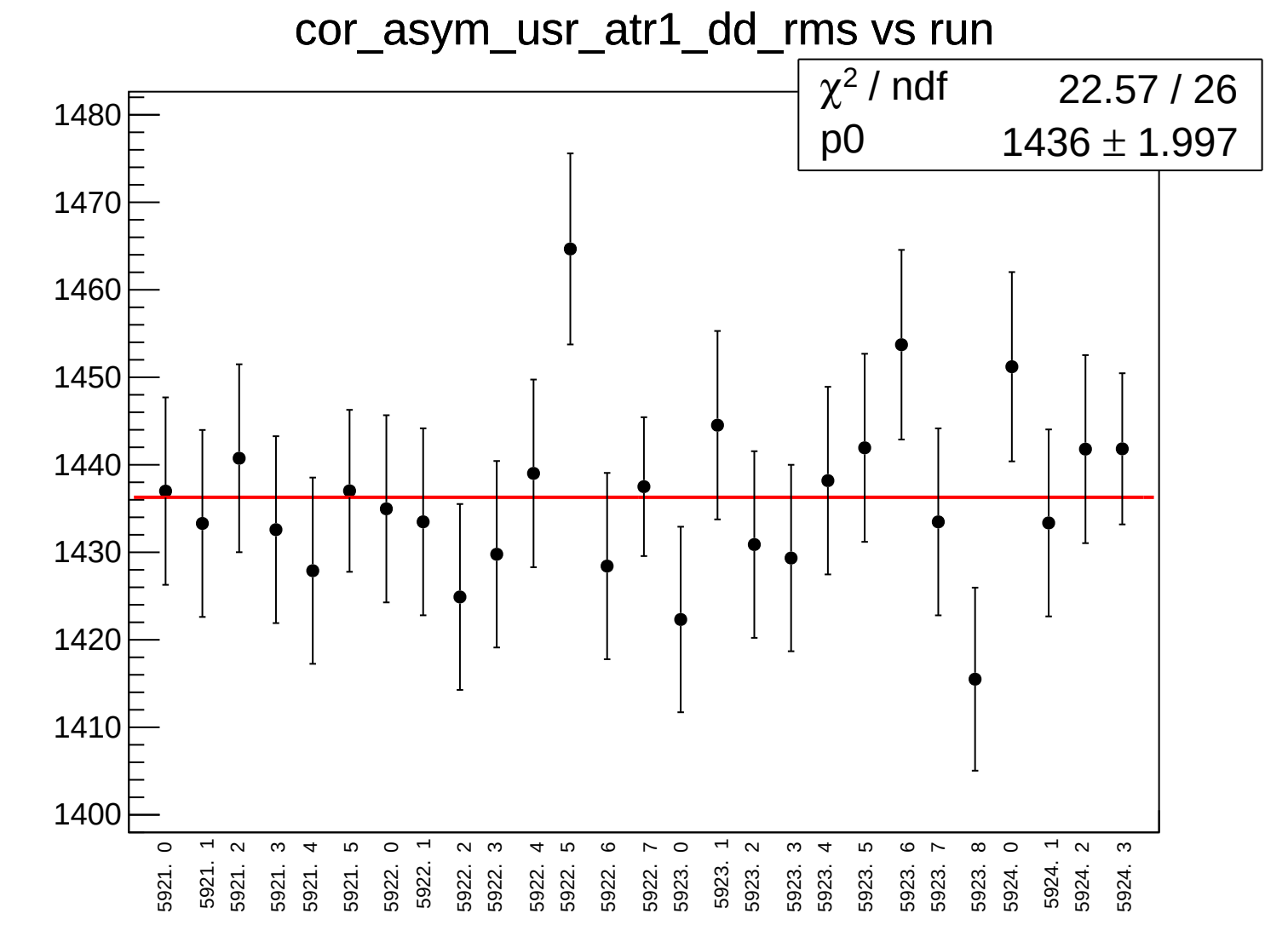

reg_asym_usr_atr1_dd_rms vs run
χ² / ndf 22.57 / 26
p0 1436 ± 1.997
1480
1470
1460
1450
1440
1430
1420
1410
1400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

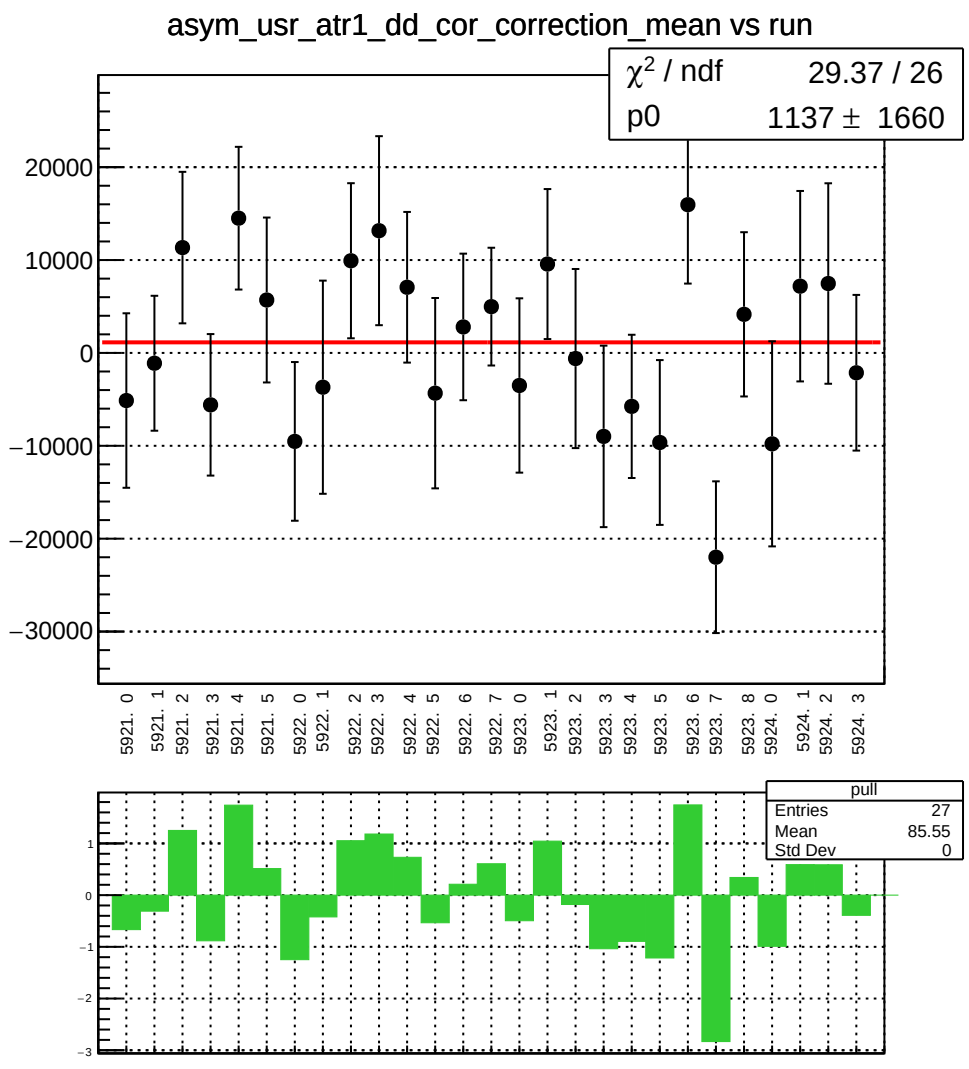

asym_usr_atr1_dd_reg_correction_mean vs run
χ² / ndf 29.37 / 26
p0 1137 ± 1660
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 85.59
Std Dev 0
1
0
−1
−2
−3
pull1D
Entries 27
Mean −0.01852
Std Dev 1.043
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

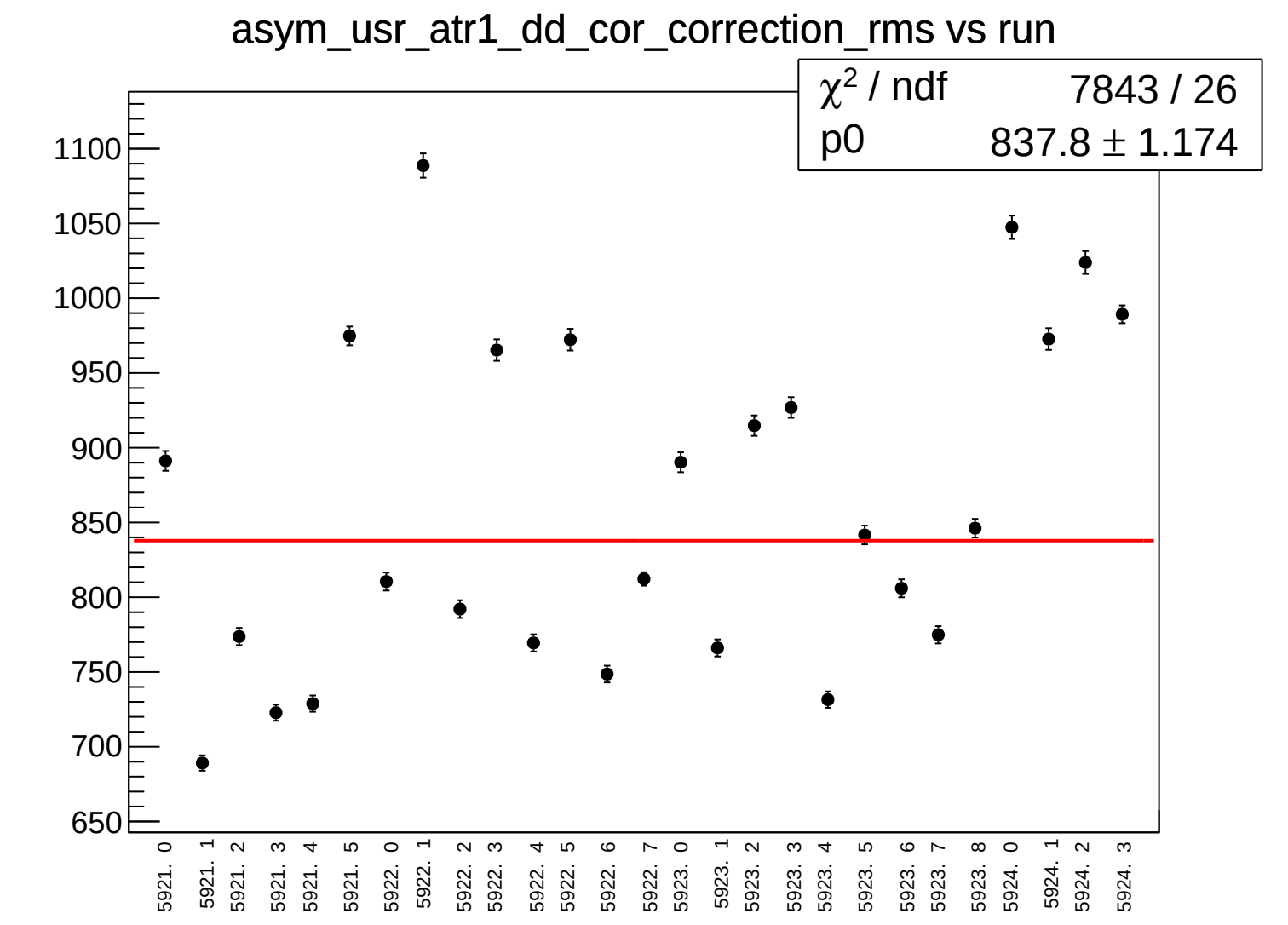

asym_usr_atr1_dd_reg_correction_rms vs run
χ² / ndf 7841 / 26
p0 837.8 ± 1.174
1100
1050
1000
950
900
850
800
750
700
650
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

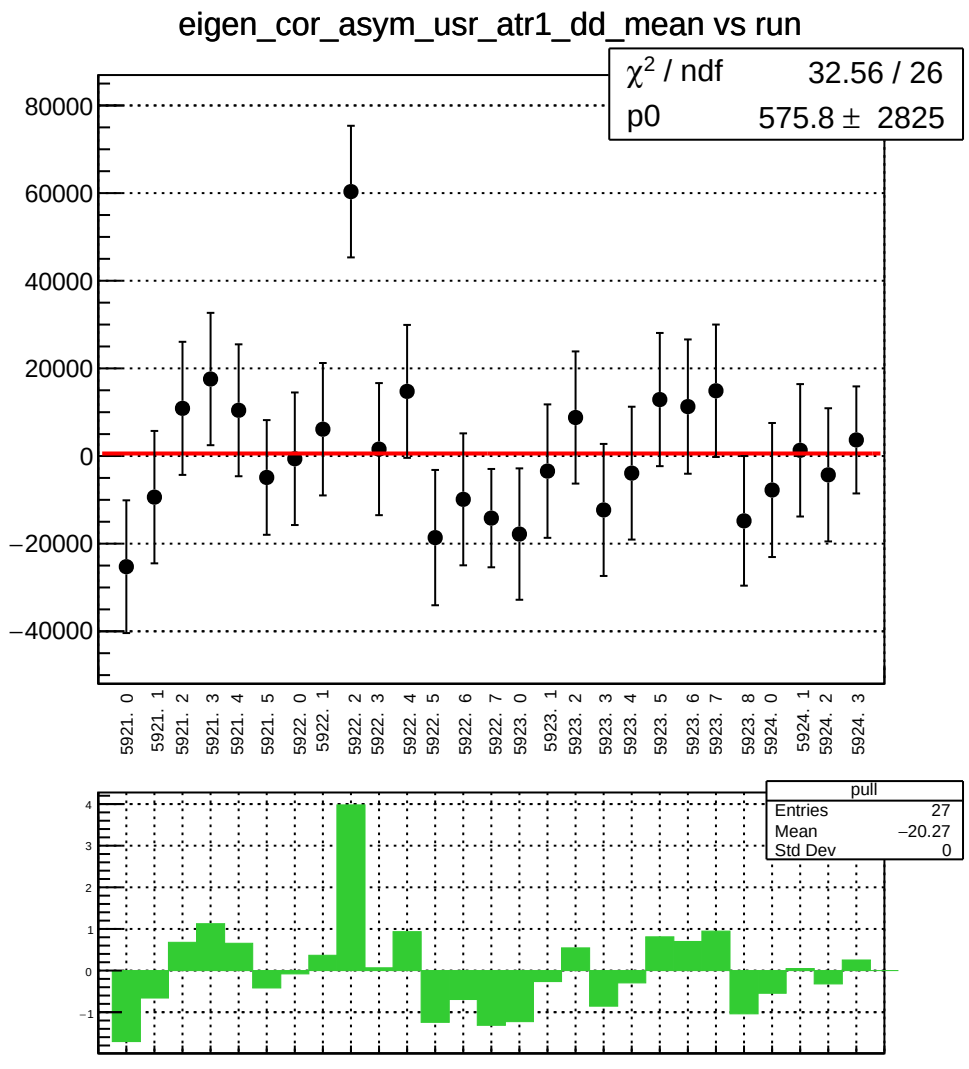

cor_asym_usr_atr1_dd_mean vs run
χ² / ndf 32.56 / 26
p0 575.8 ± 2825
80000
60000
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −20.27
Std Dev 0
4
3
2
1
0
−1

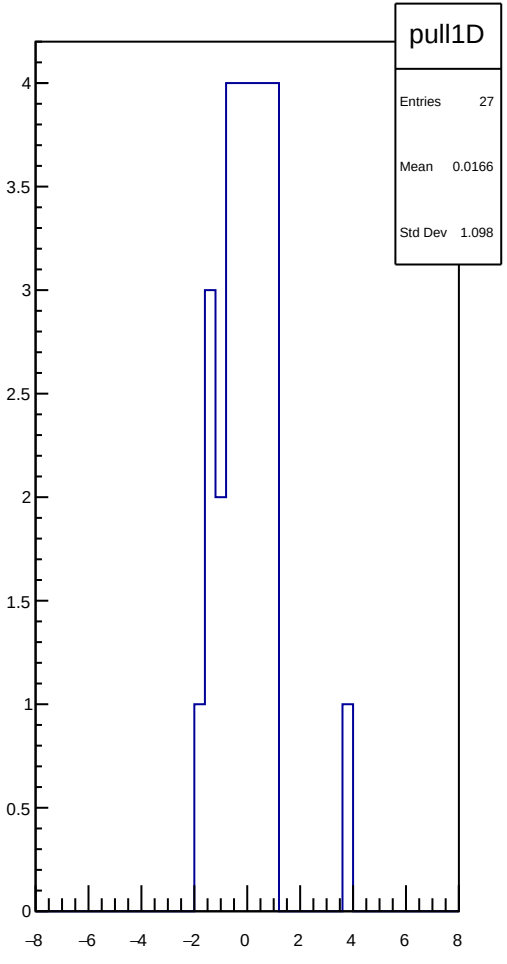

pull1D
Entries 27
Mean 0.0166
Std Dev 1.098
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

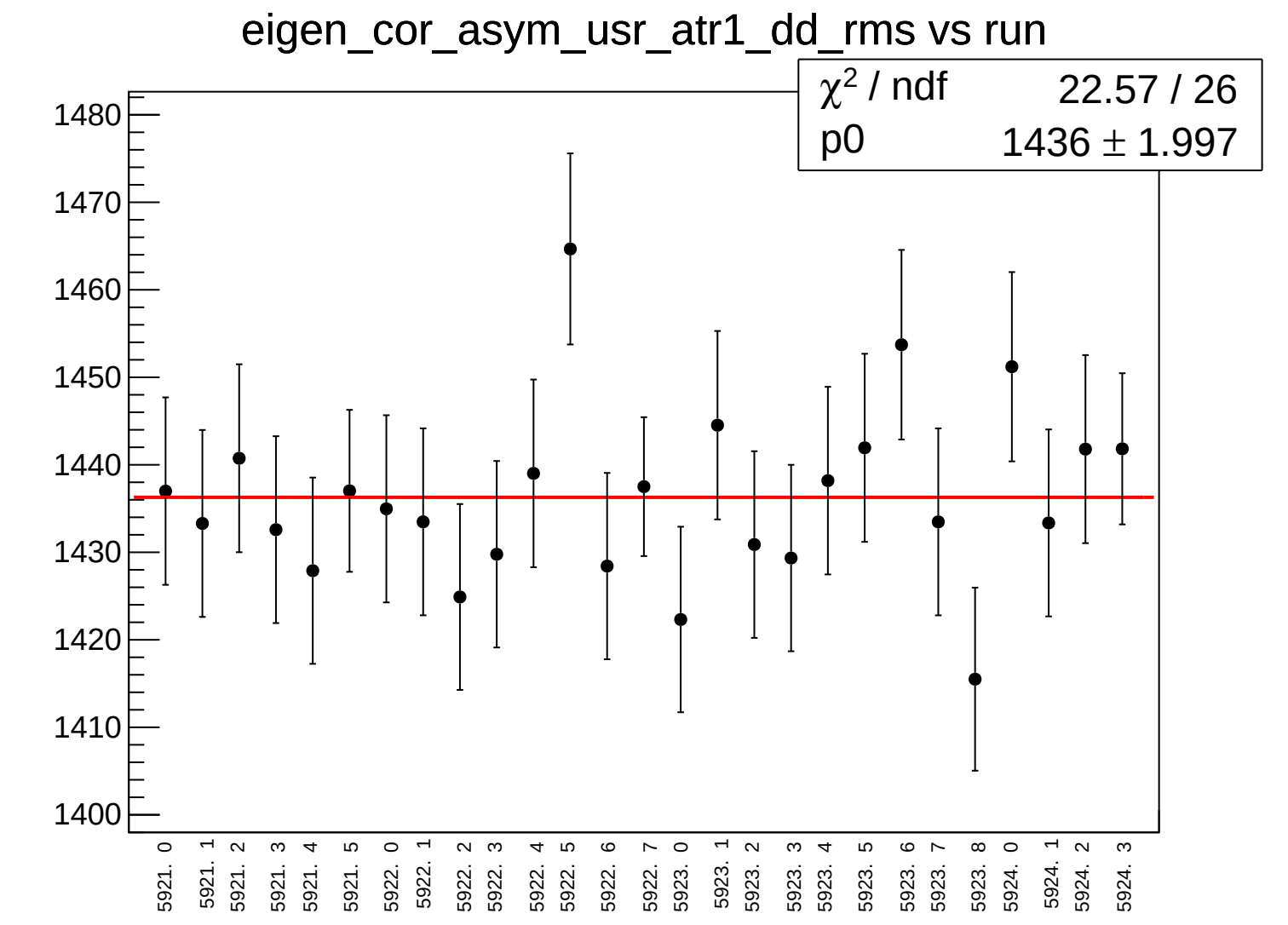

cor_asym_usr_atr1_dd_rms vs run
χ² / ndf 22.57 / 26
p0 1436 ± 1.997
1480
1470
1460
1450
1440
1430
1420
1410
1400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

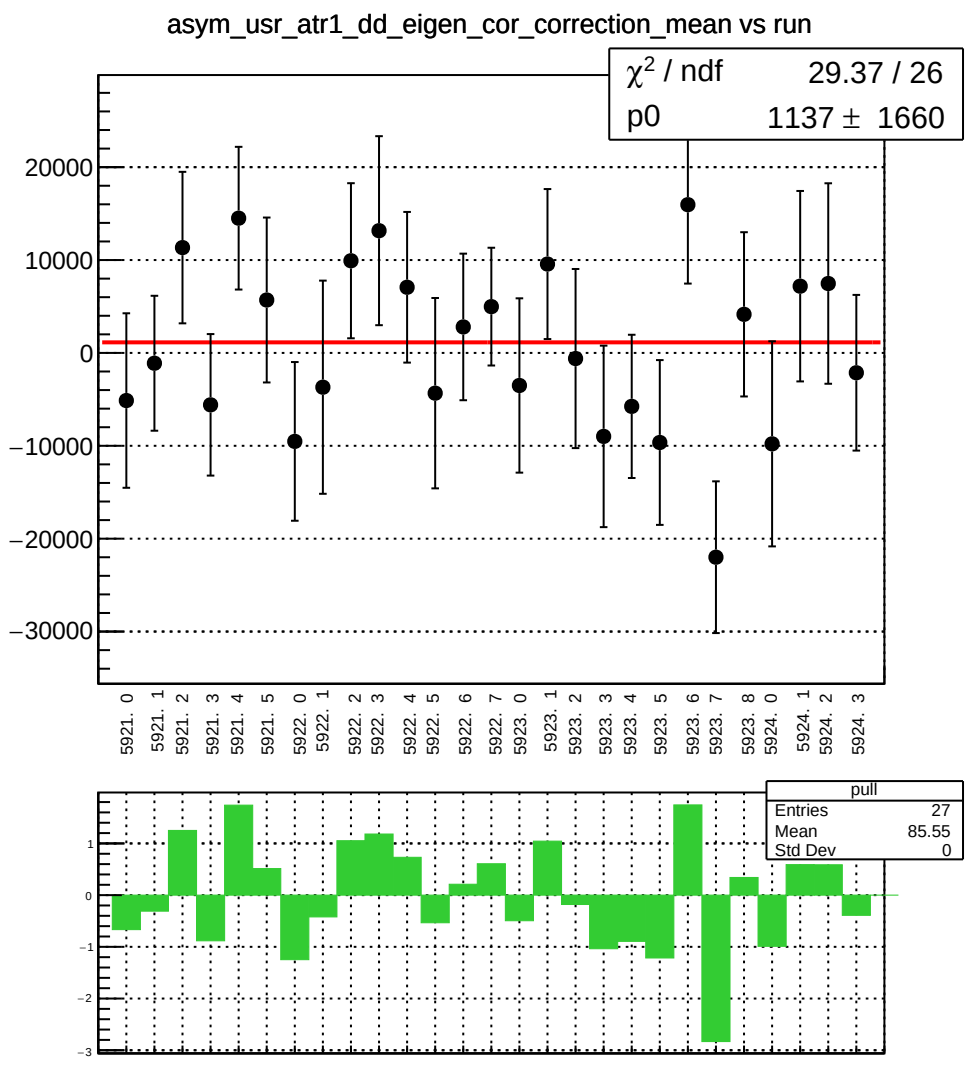

asym_usr_atr1_dd_cor_correction_mean vs run
χ² / ndf 29.37 / 26
p0 1137 ± 1660
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 85.55
Std Dev 0
1
0
−1
−2
−3
pull1D
Entries 27
Mean −0.01853
Std Dev 1.043
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

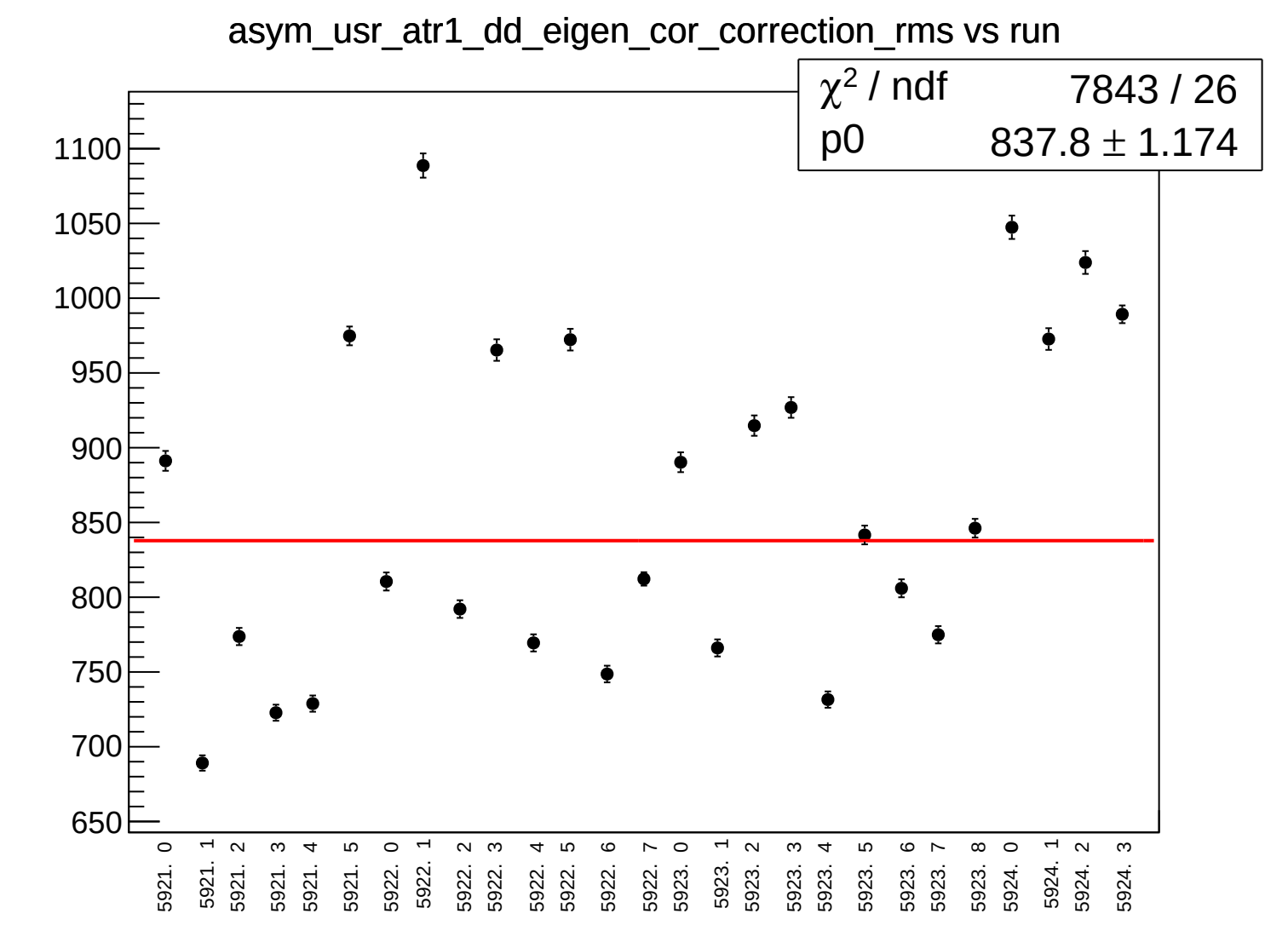

asym_usr_atr1_dd_cor_correction_rms vs run
χ² / ndf 7843 / 26
p0 837.8 ± 1.174
1100
1050
1000
950
900
850
800
750
700
650
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

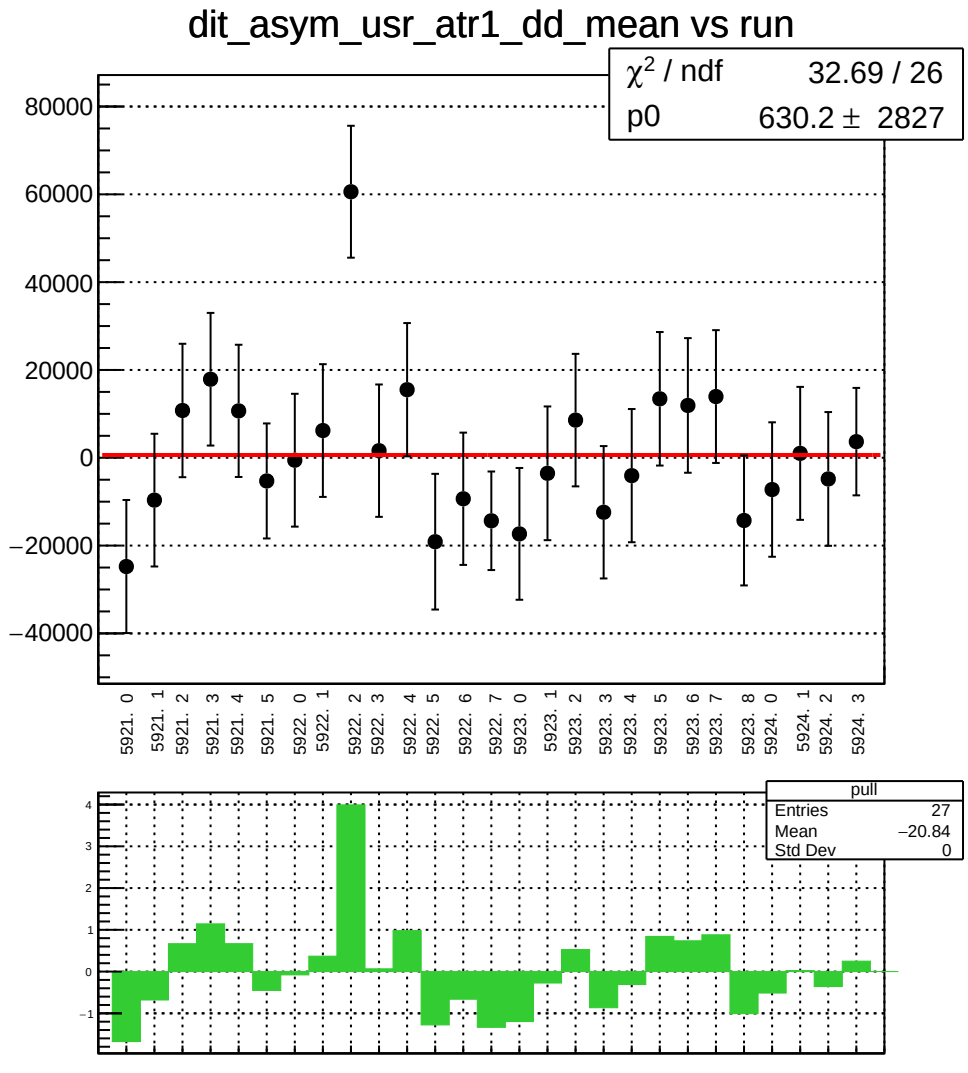

eigen_cor_asym_usr_atr1_dd_mean vs run
χ² / ndf 32.56 / 26
p0 575.8 ± 2825
80000
60000
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −20.27
Std Dev 0
4
3
2
1
0
−1

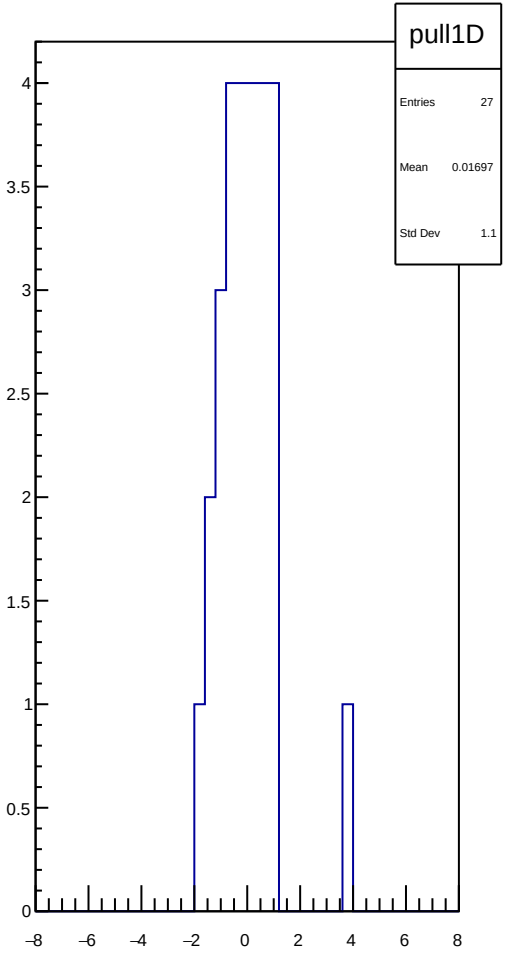

pull1D
Entries 27
Mean 0.0166
Std Dev 1.098
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

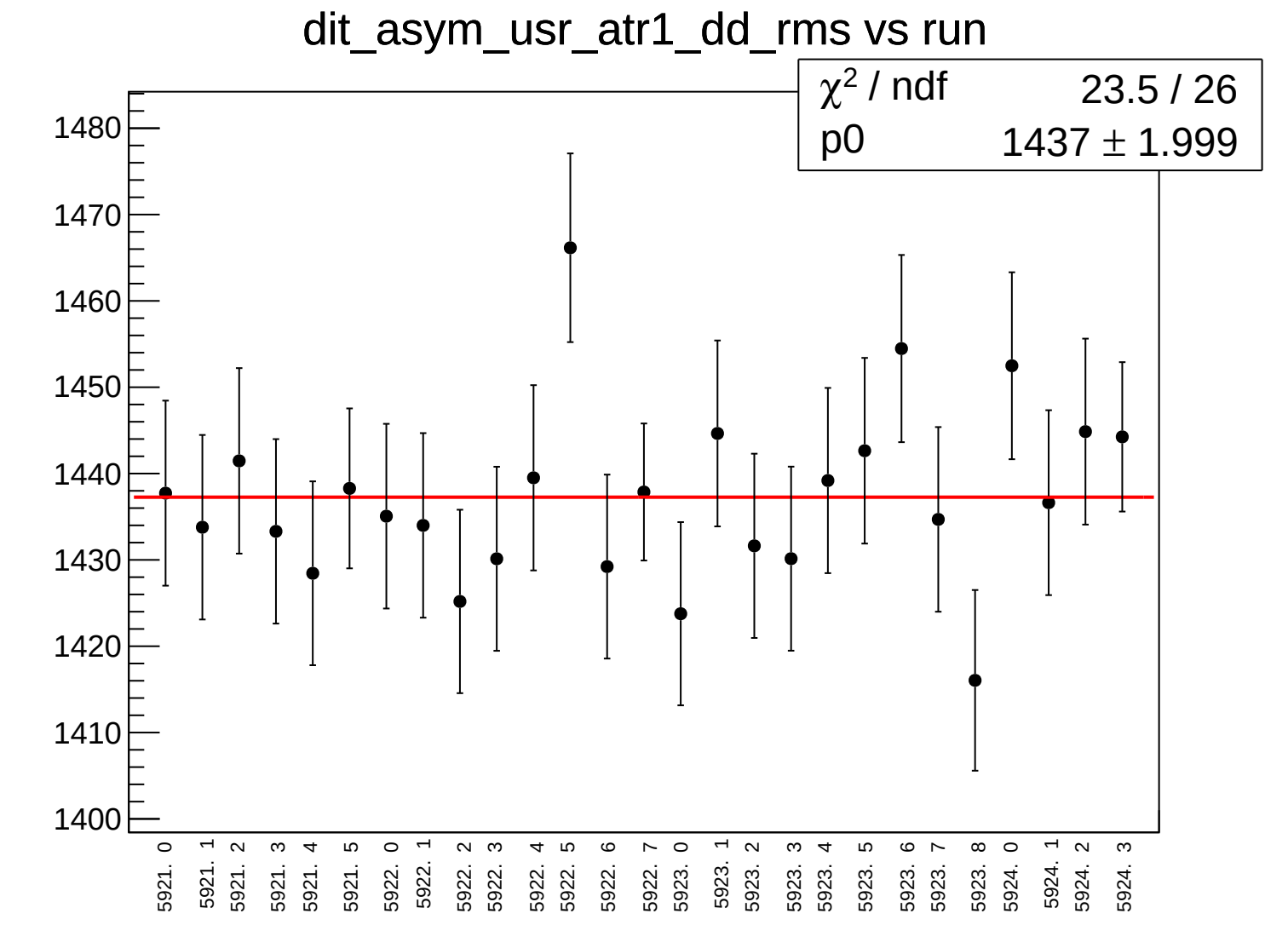

eigen_cor_asym_usr_atr1_dd_rms vs run
χ² / ndf 22.57 / 26
p0 1436 ± 1.997
1480
1470
1460
1450
1440
1430
1420
1410
1400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

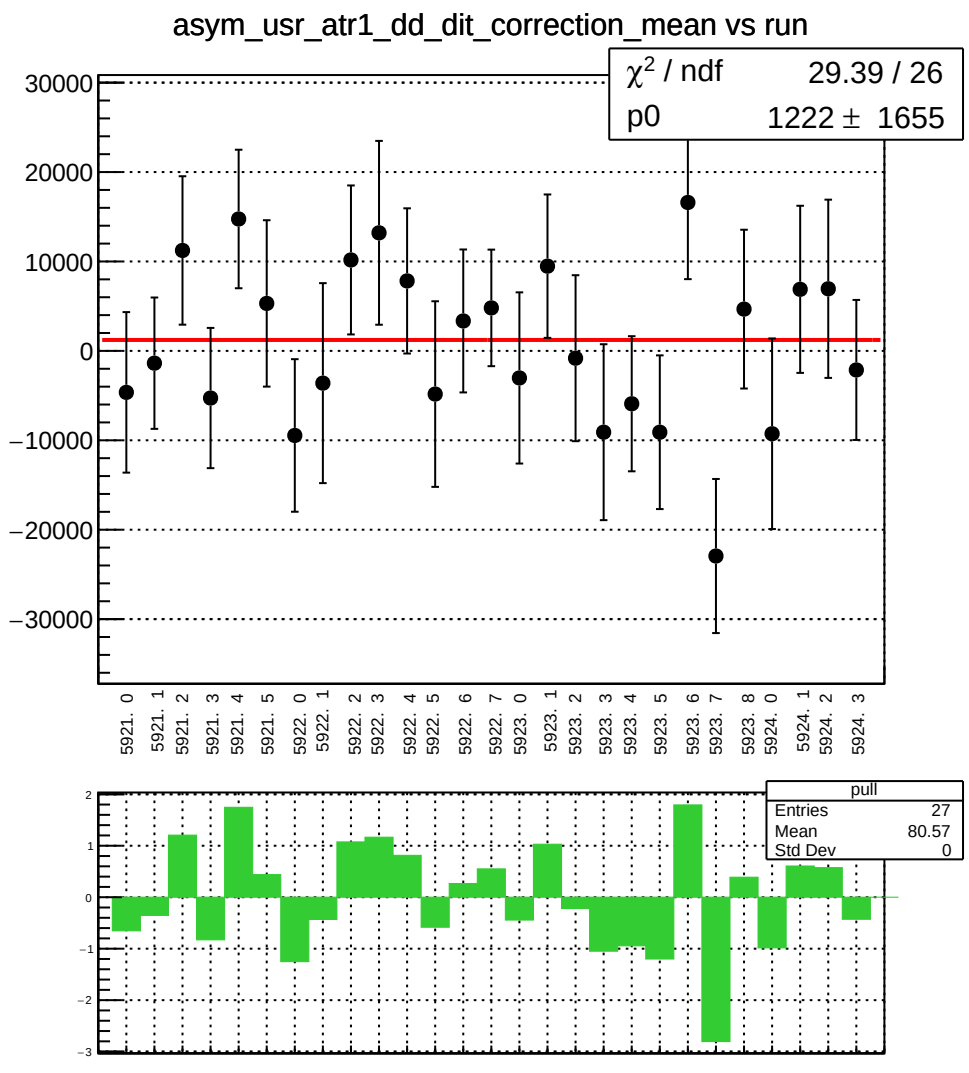

asym_usr_atr1_dd_eigen_cor_correction_mean vs run
χ² / ndf 29.37 / 26
p0 1137 ± 1660
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 85.55
Std Dev 0
1
0
−1
−2
−3
pull1D
Entries 27
Mean −0.01853
Std Dev 1.043
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

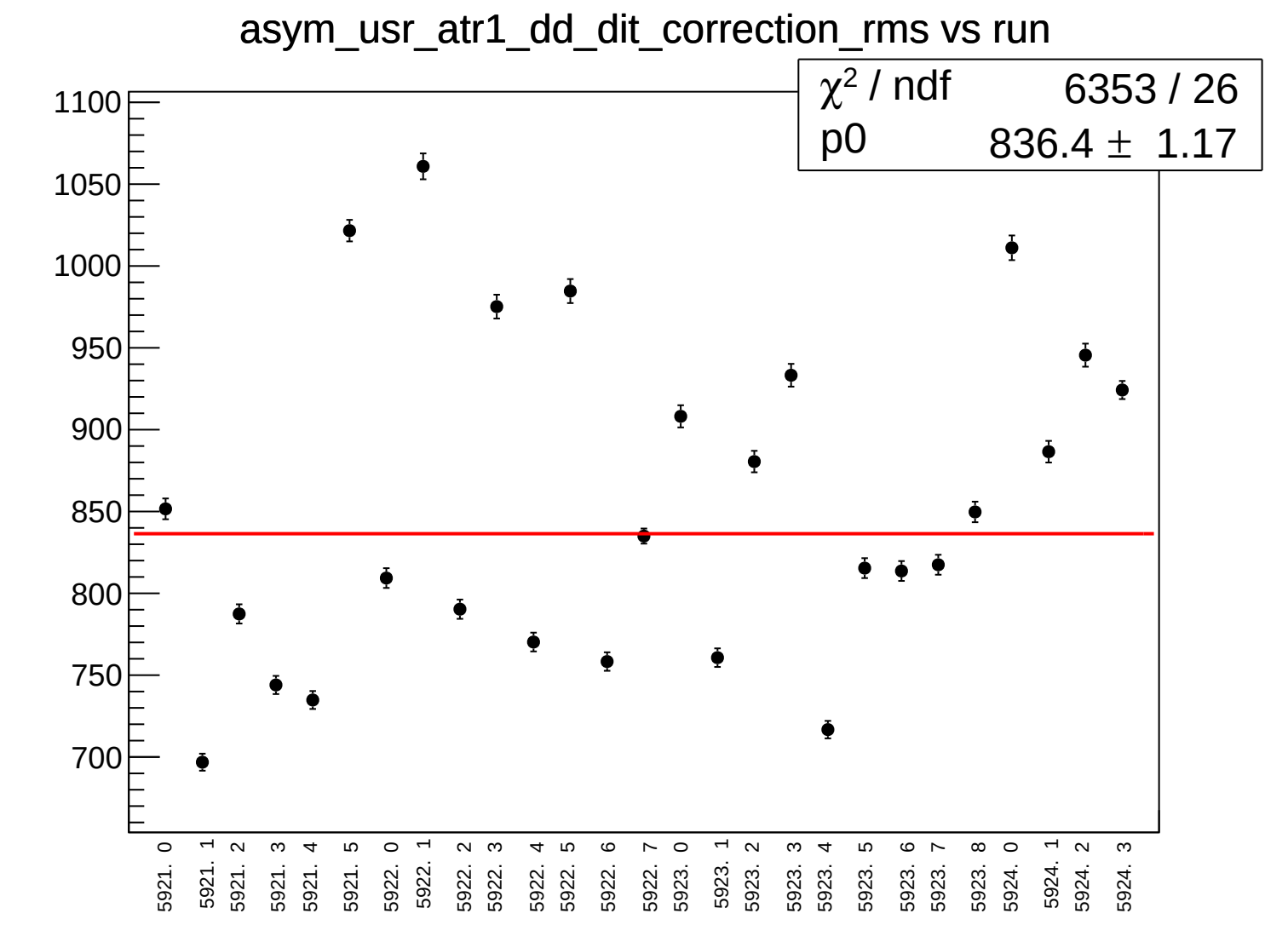

asym_usr_atr1_dd_eigen_cor_correction_rms vs run
χ² / ndf 7843 / 26
p0 837.8 ± 1.174
1100
1050
1000
950
900
850
800
750
700
650
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

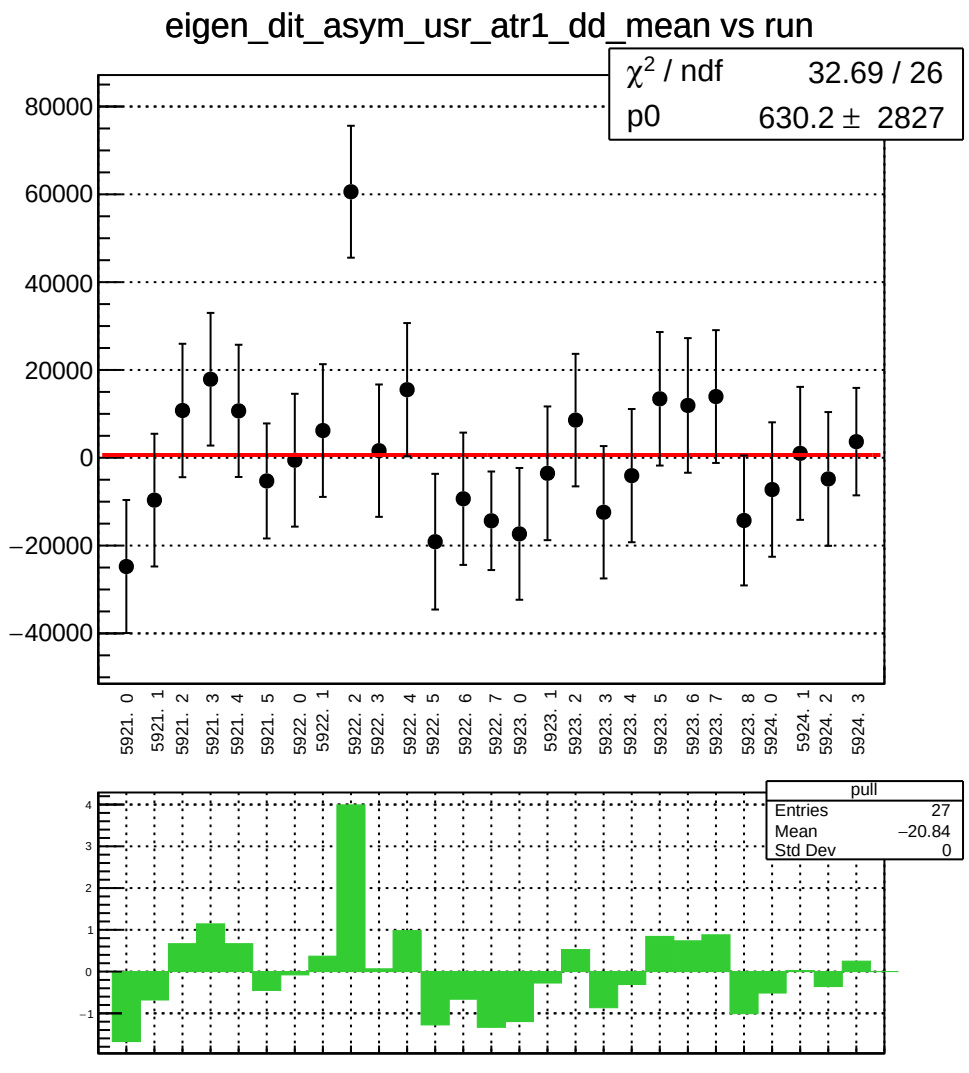

dit_asym_usr_atr1_dd_mean vs run
χ² / ndf 32.69 / 26
p0 630.2 ± 2827
80000
60000
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −20.84
Std Dev 0
4
3
2
1
0
−1

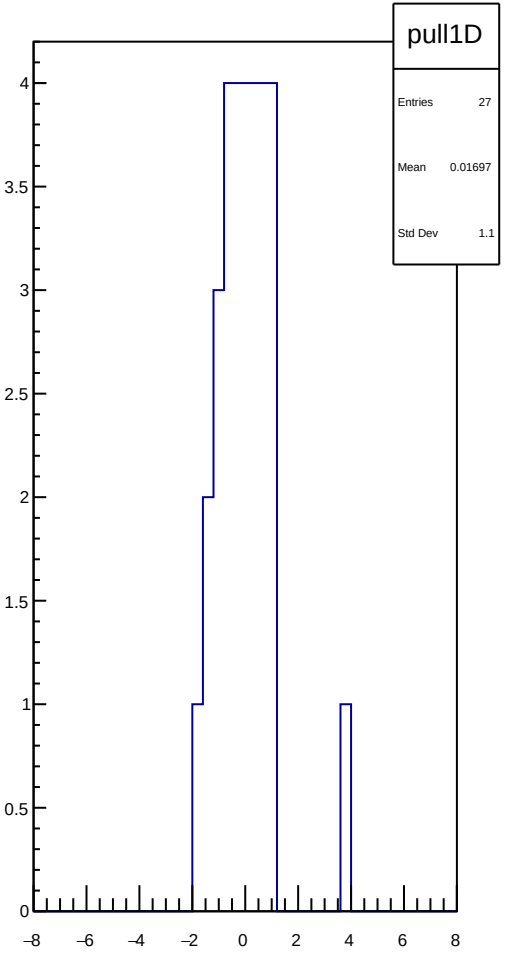

pull1D
Entries 27
Mean 0.01697
Std Dev 1.1
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

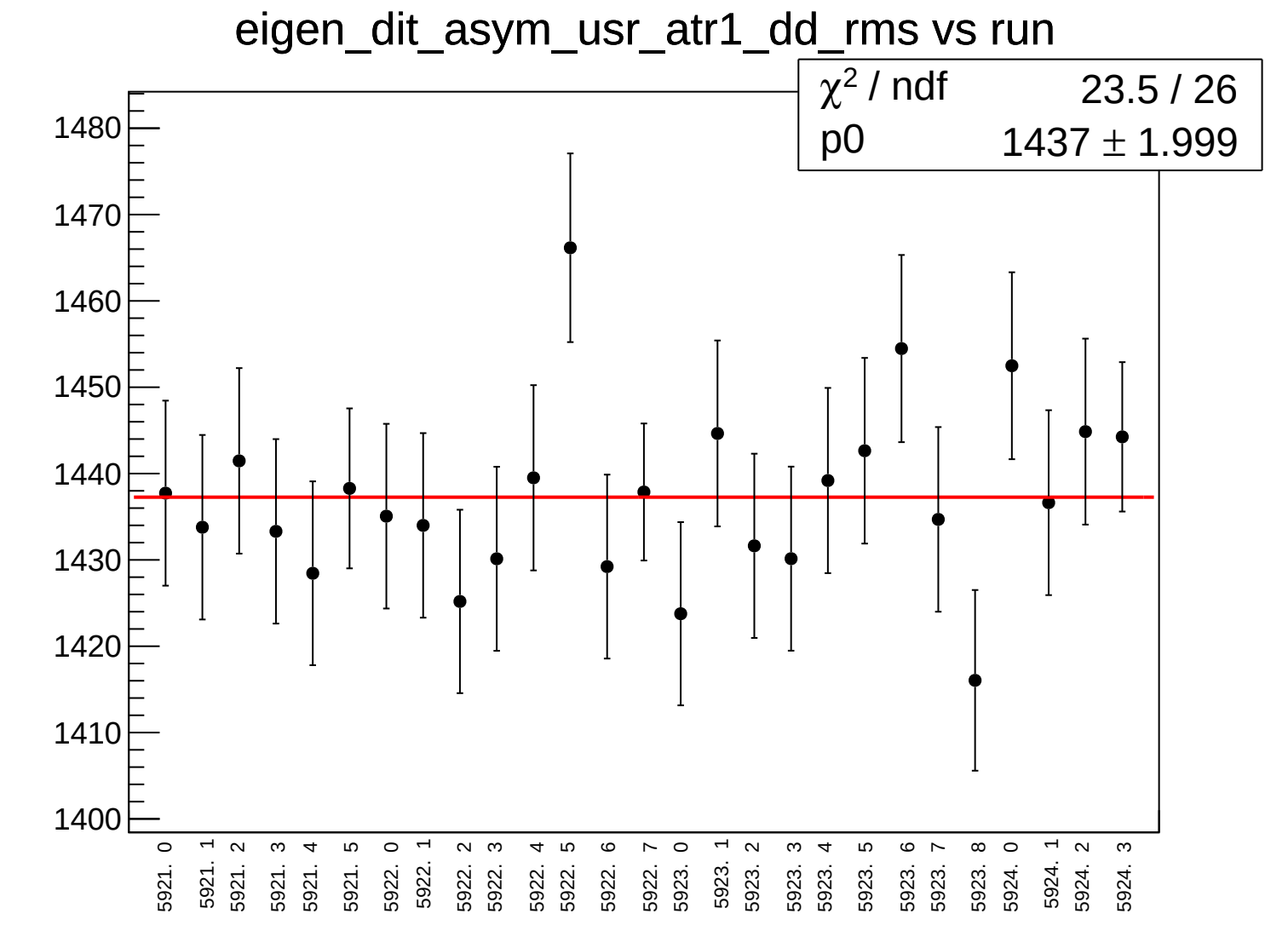

dit_asym_usr_atr1_dd_rms vs run
χ² / ndf 23.5 / 26
p0 1437 ± 1.999
1480
1470
1460
1450
1440
1430
1420
1410
1400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

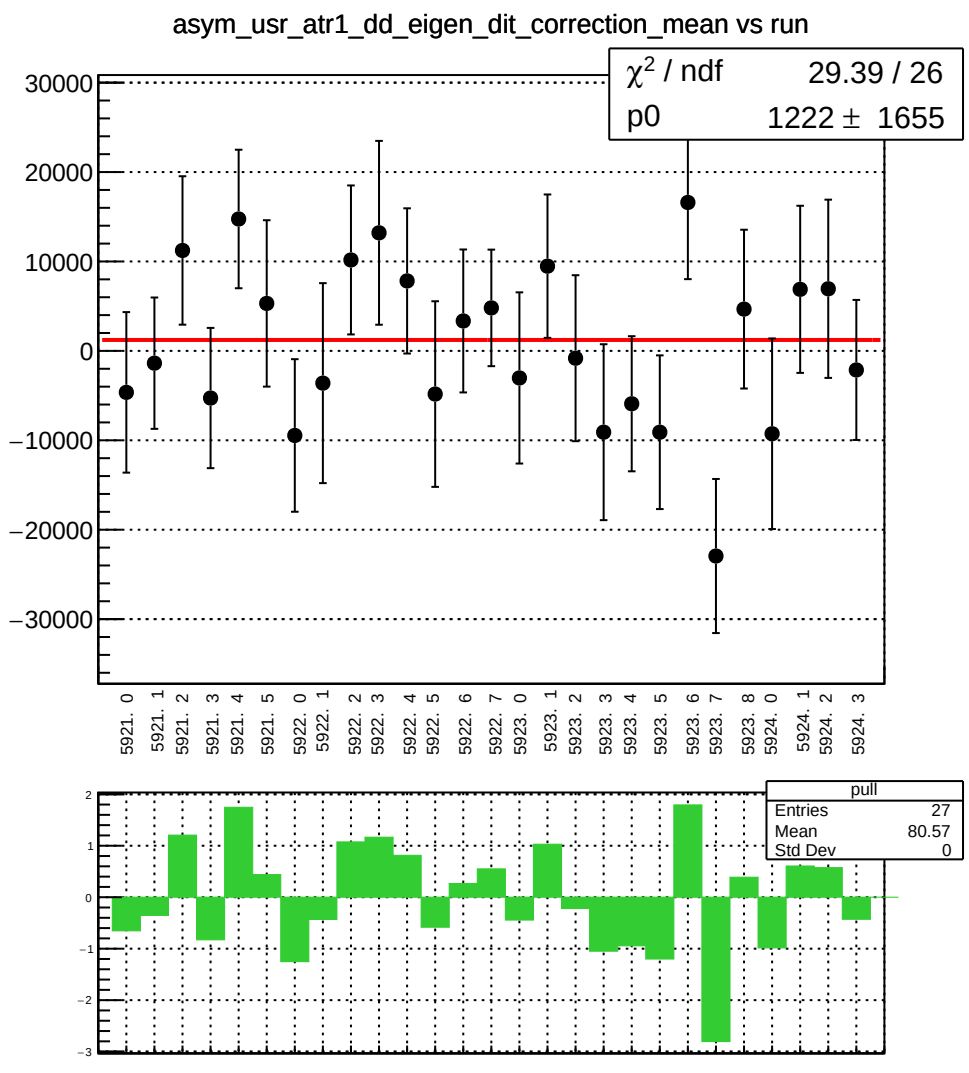

asym_usr_atr1_dd_dit_correction_mean vs run
χ² / ndf 29.39 / 26
p0 1222 ± 1655
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 80.57
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 27
Mean −0.01939
Std Dev 1.043
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

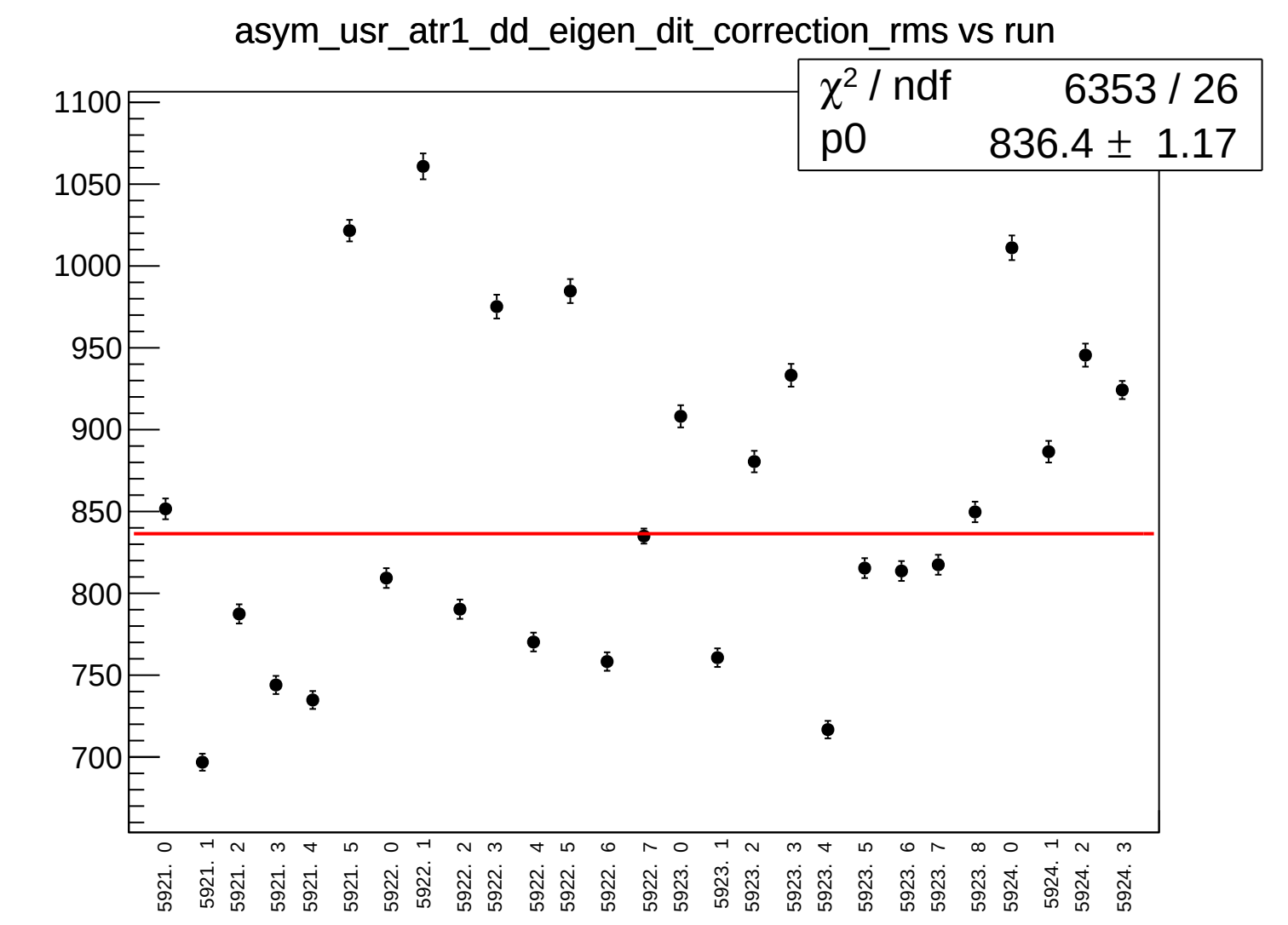

asym_usr_atr1_dd_dit_correction_rms vs run
χ² / ndf 6353 / 26
p0 836.4 ± 1.17
1100
1050
1000
950
900
850
800
750
700
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

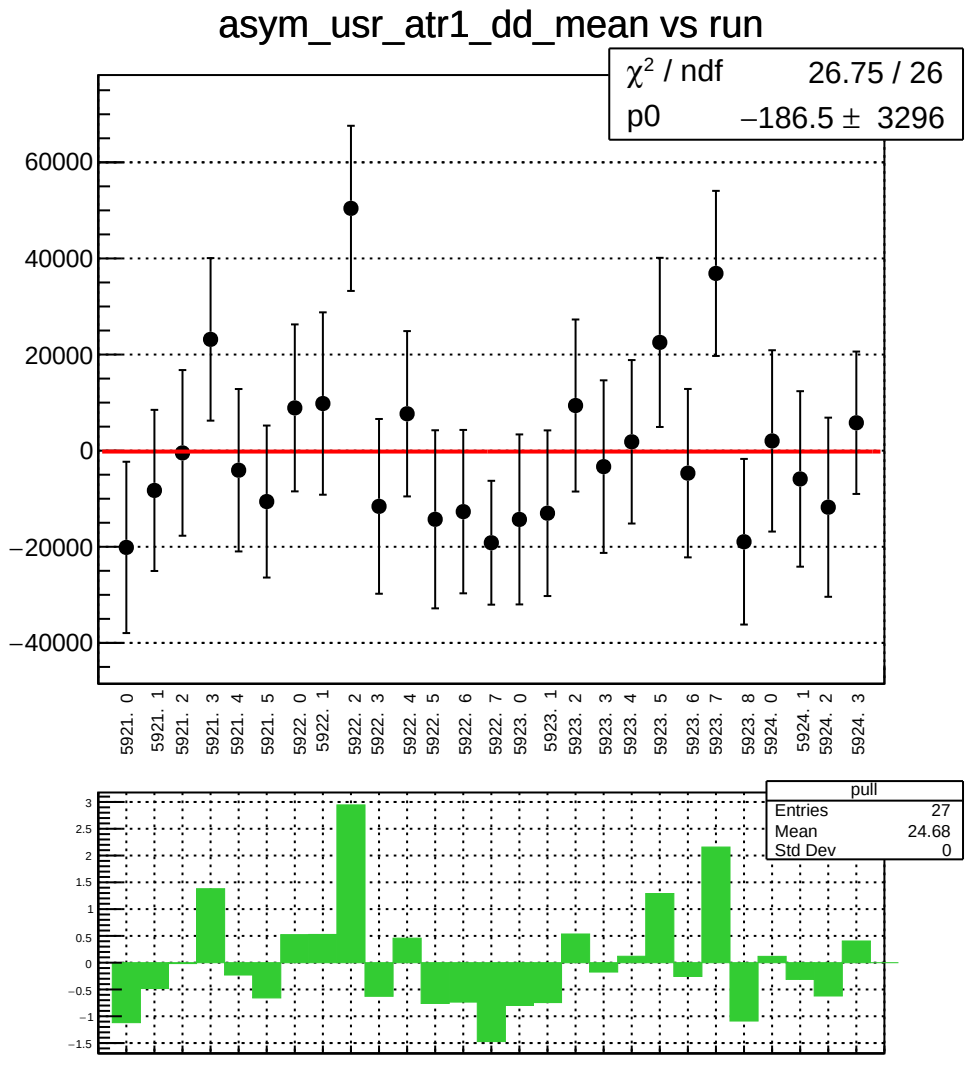

eigen_dit_asym_usr_atr1_dd_mean vs run
χ² / ndf 32.69 / 26
p0 630.2 ± 2827
80000
60000
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −20.84
Std Dev 0
4
3
2
1
0
−1

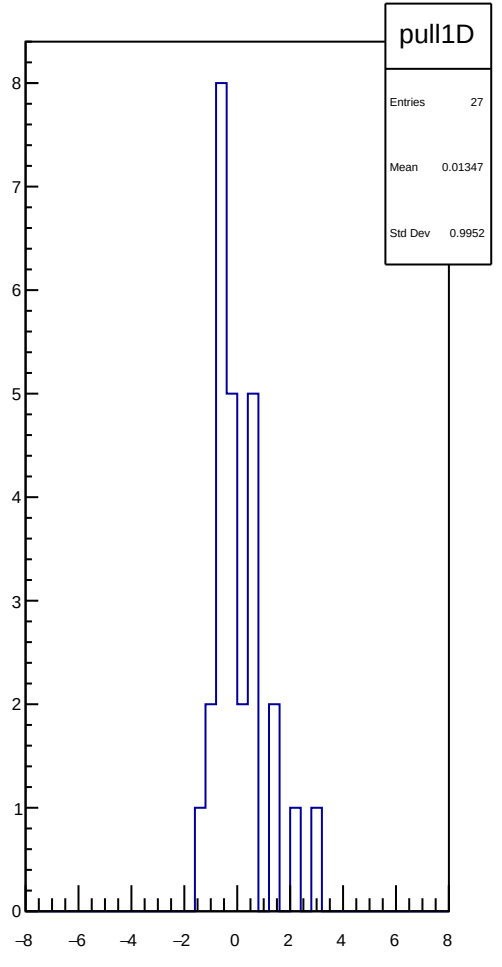

pull1D
Entries 27
Mean 0.01697
Std Dev 1.1
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

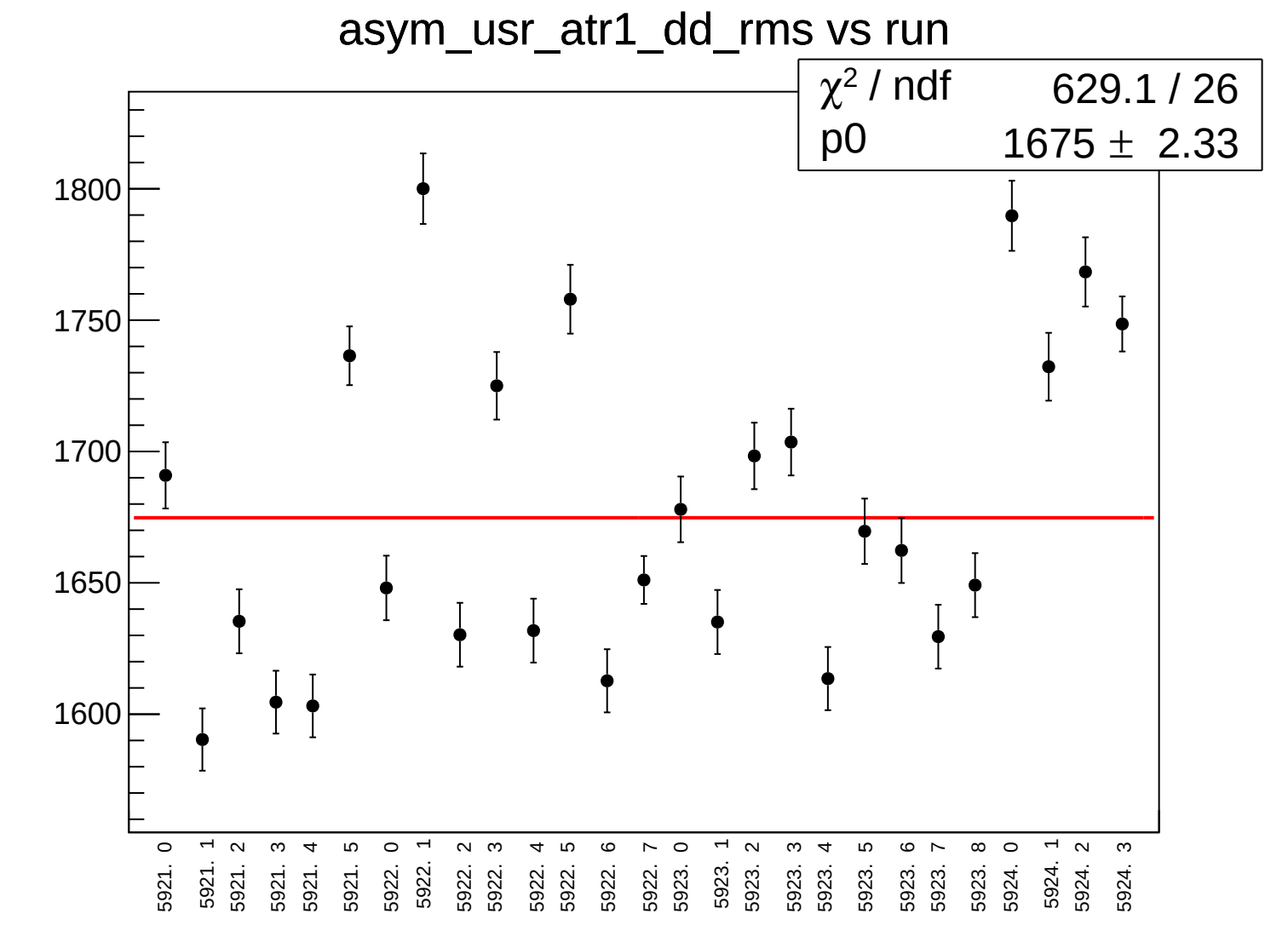

eigen_dit_asym_usr_atr1_dd_rms vs run
χ² / ndf 23.5 / 26
p0 1437 ± 1.999
1480
1470
1460
1450
1440
1430
1420
1410
1400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

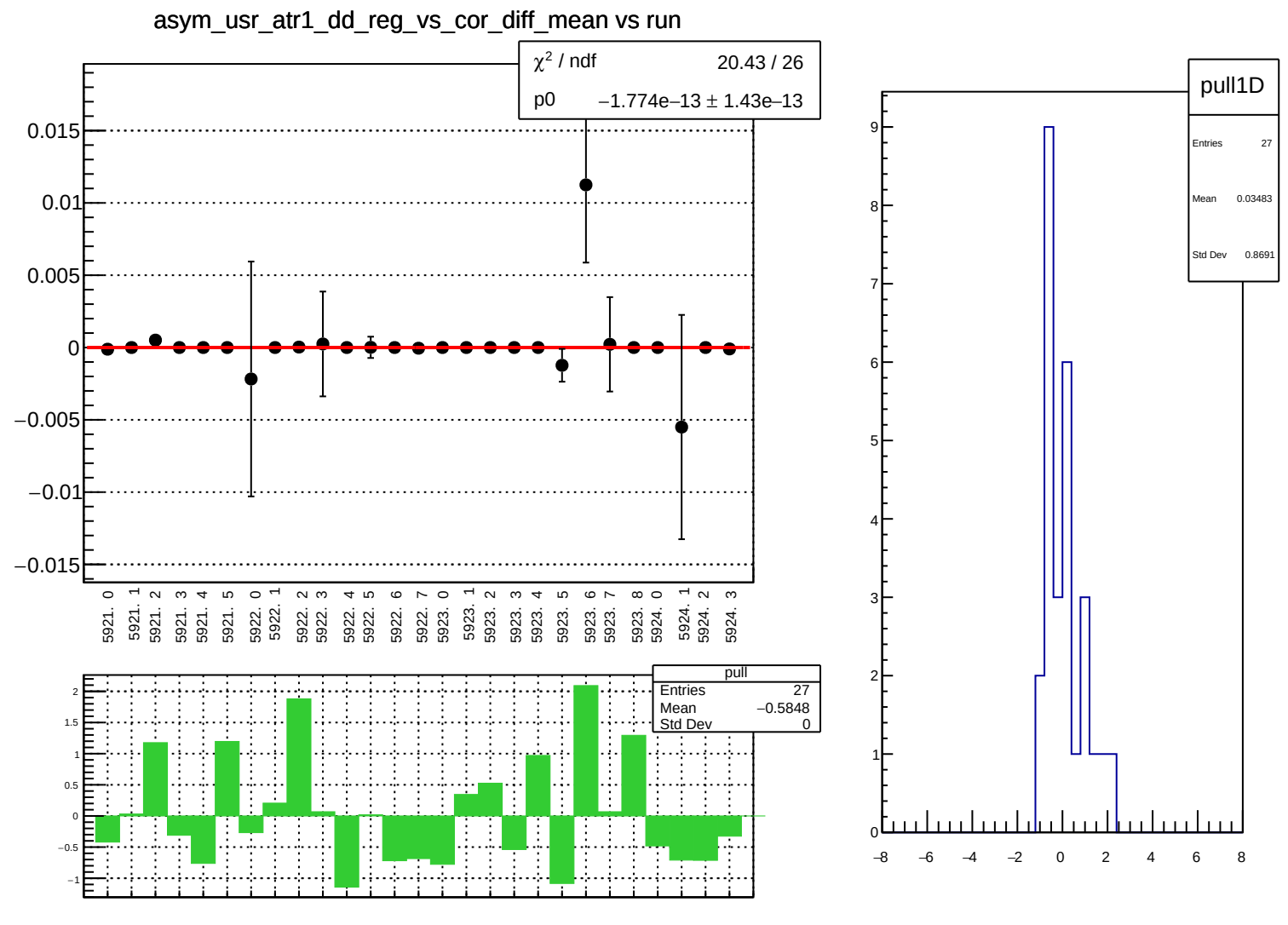

asym_usr_atr1_dd_eigen_dit_correction_mean vs run
χ² / ndf 29.39 / 26
p0 1222 ± 1655
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 80.57
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 27
Mean −0.01939
Std Dev 1.043
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

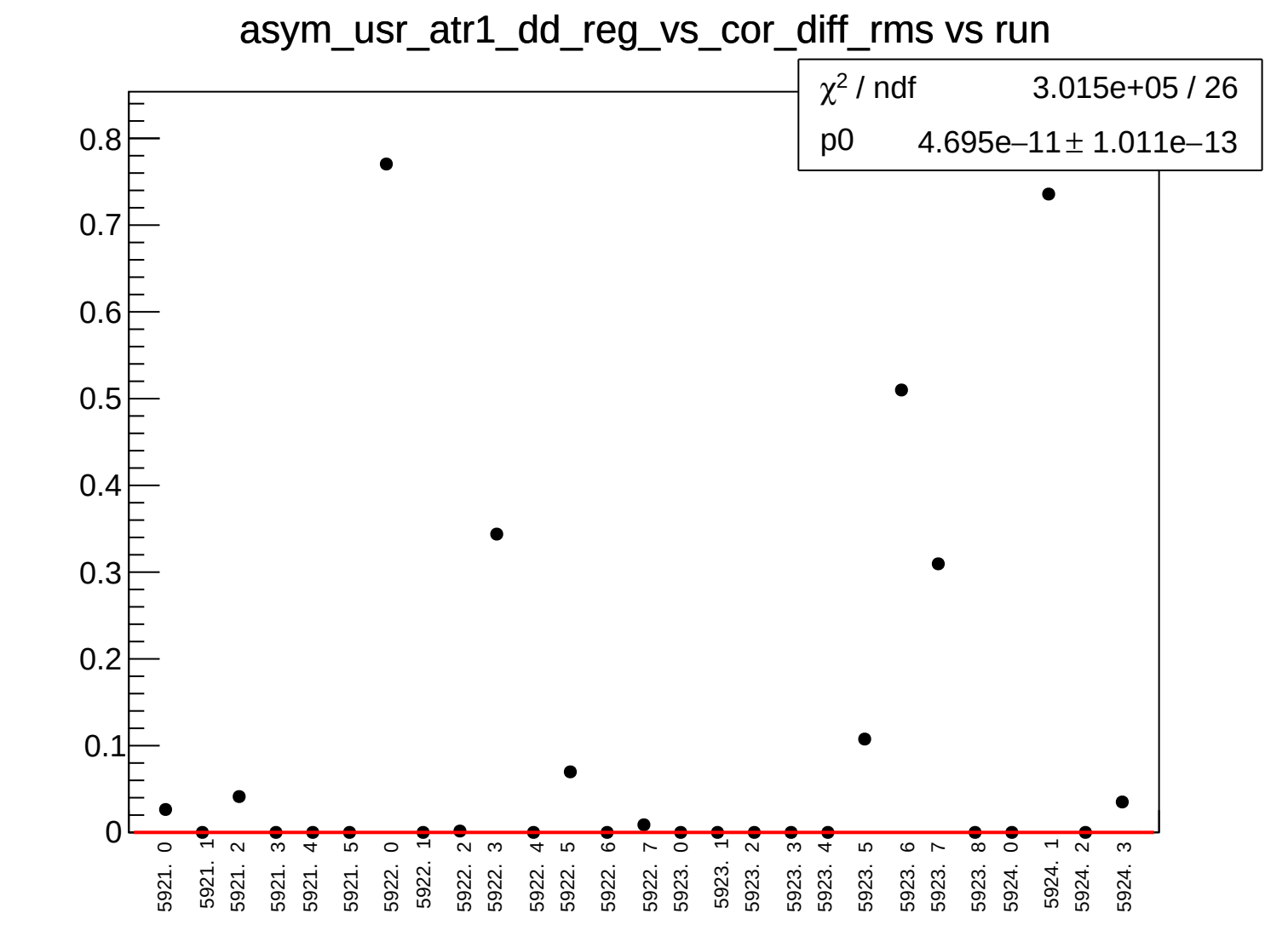

asym_usr_atr1_dd_eigen_dit_correction_rms vs run
χ² / ndf 6353 / 26
p0 836.4 ± 1.17
1100
1050
1000
950
900
850
800
750
700
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

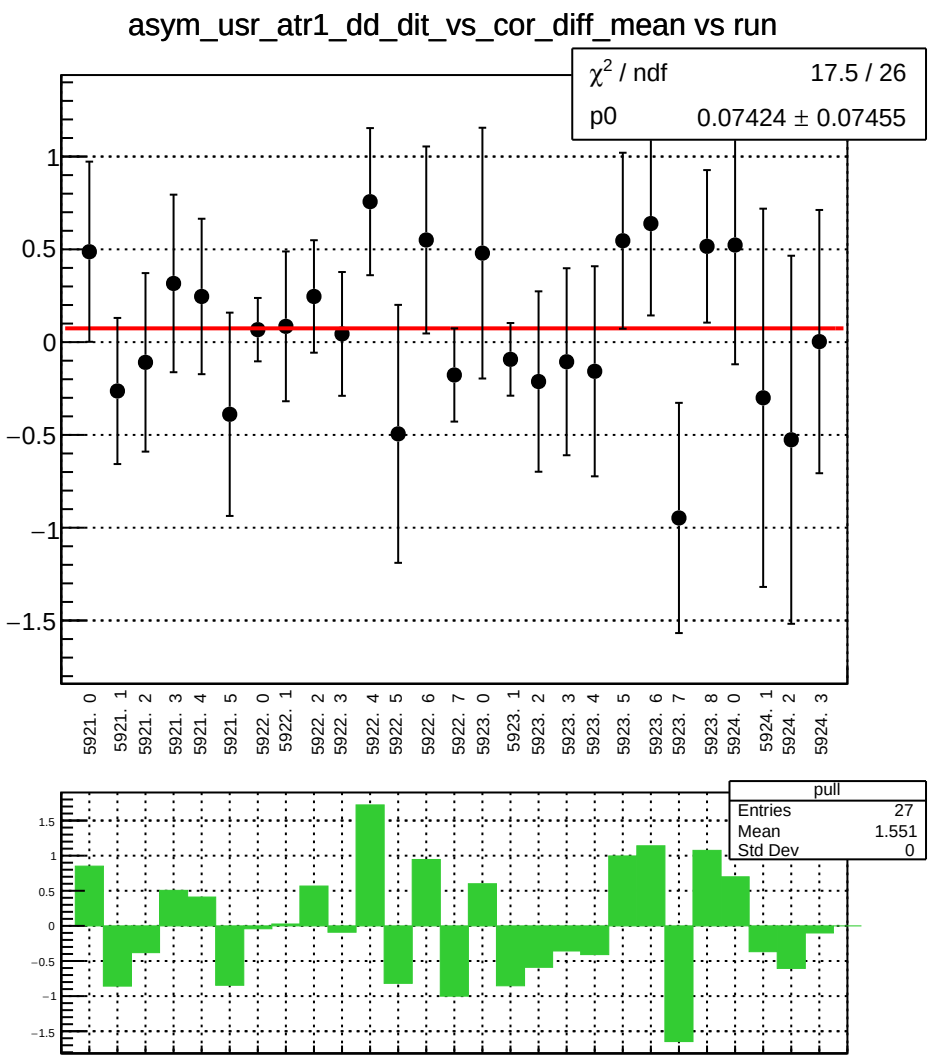

asym_usr_atr1_dd_mean vs run
χ² / ndf 26.75 / 26
p0 −186.5 ± 3296
60000
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 24.68
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

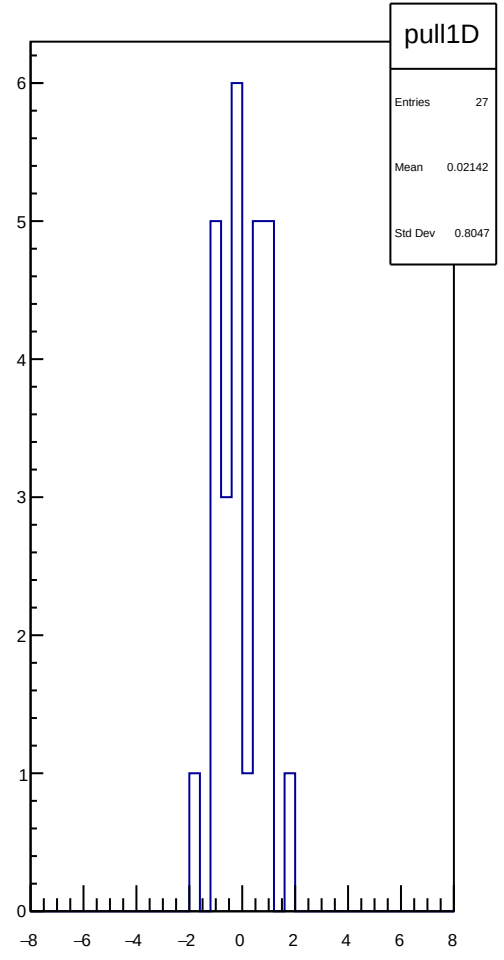

pull1D
Entries 27
Mean 0.01347
Std Dev 0.9952
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

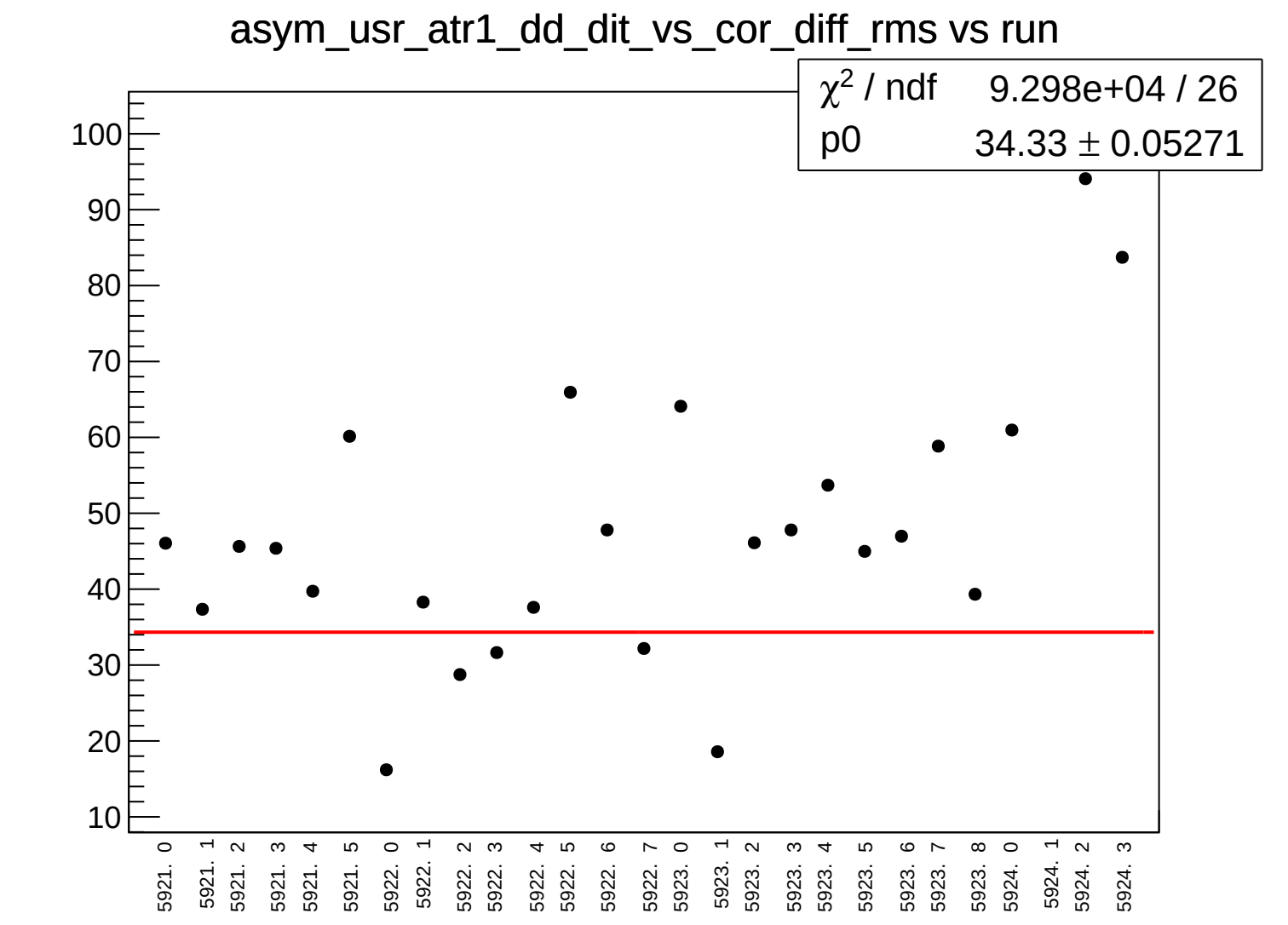

asym_usr_atr1_dd_rms vs run
χ² / ndf 629.1 / 26
p0 1675 ± 2.33
1800
1750
1700
1650
1600
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

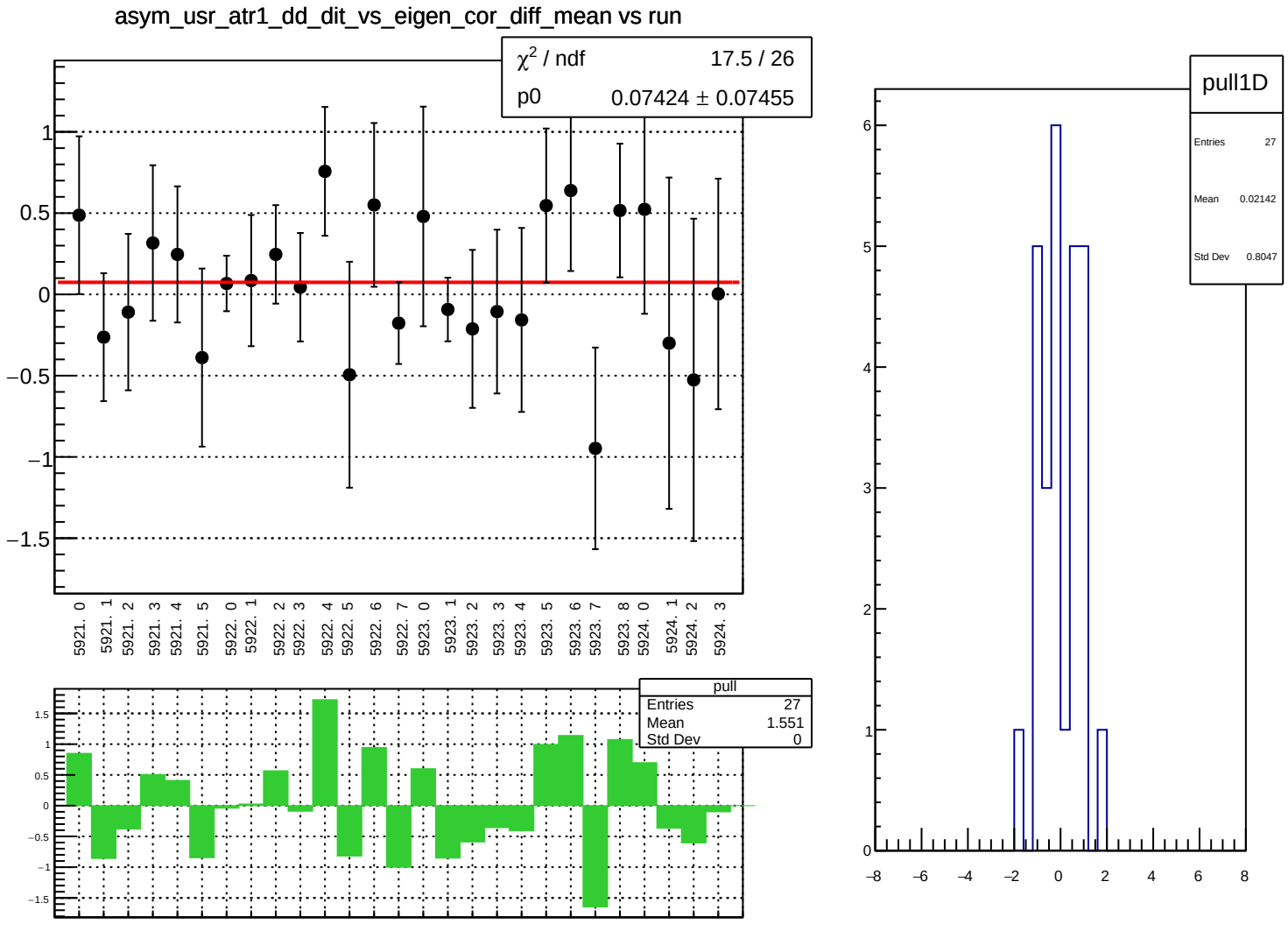

asym_usr_atr1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 20.43 / 26
p0 −1.774e−13 ± 1.43e−13
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −0.5848
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 27
Mean 0.03483
Std Dev 0.8691
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

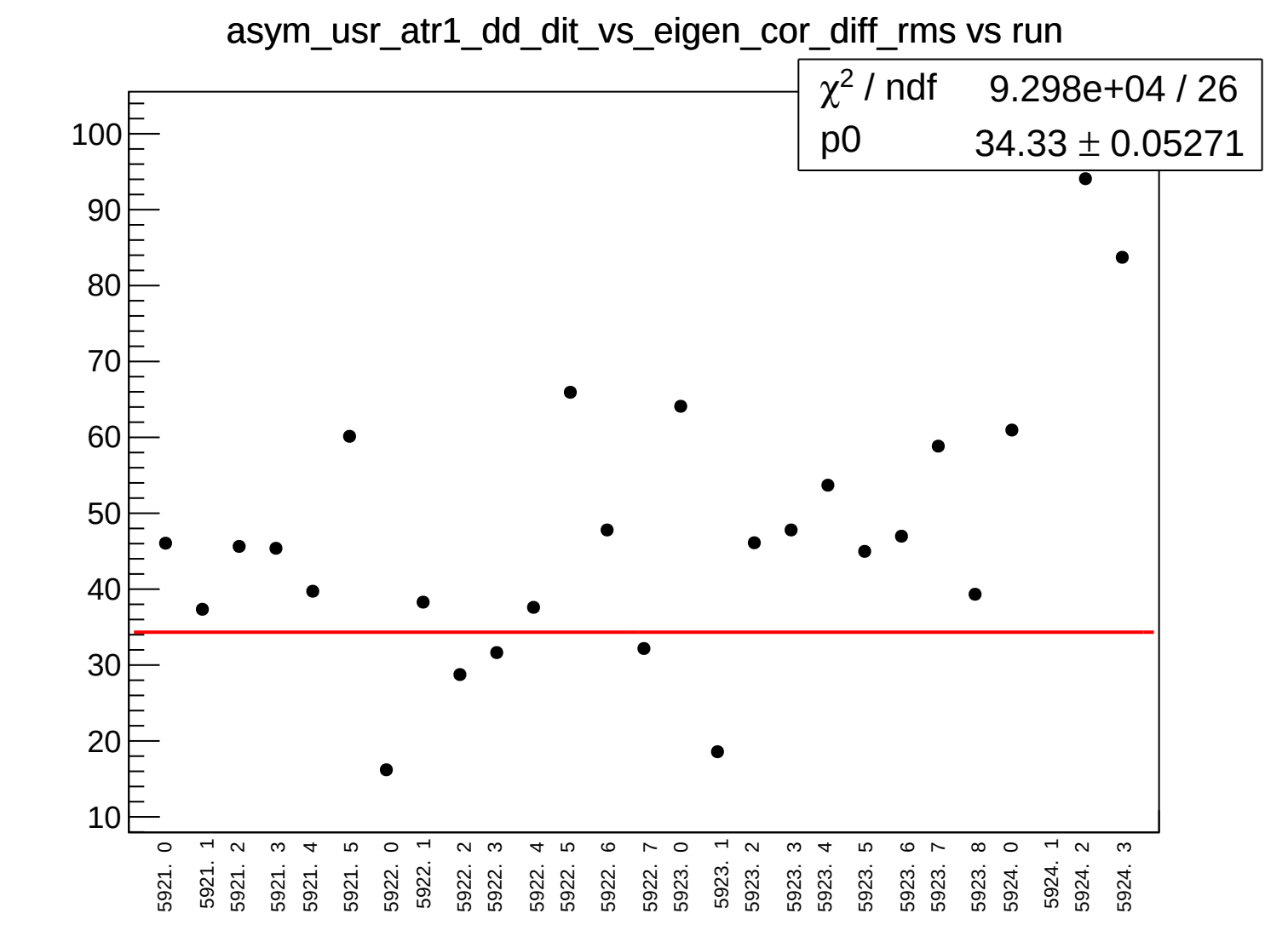

asym_usr_atr1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.015e+05 / 26
p0 4.695e−11 ± 1.011e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

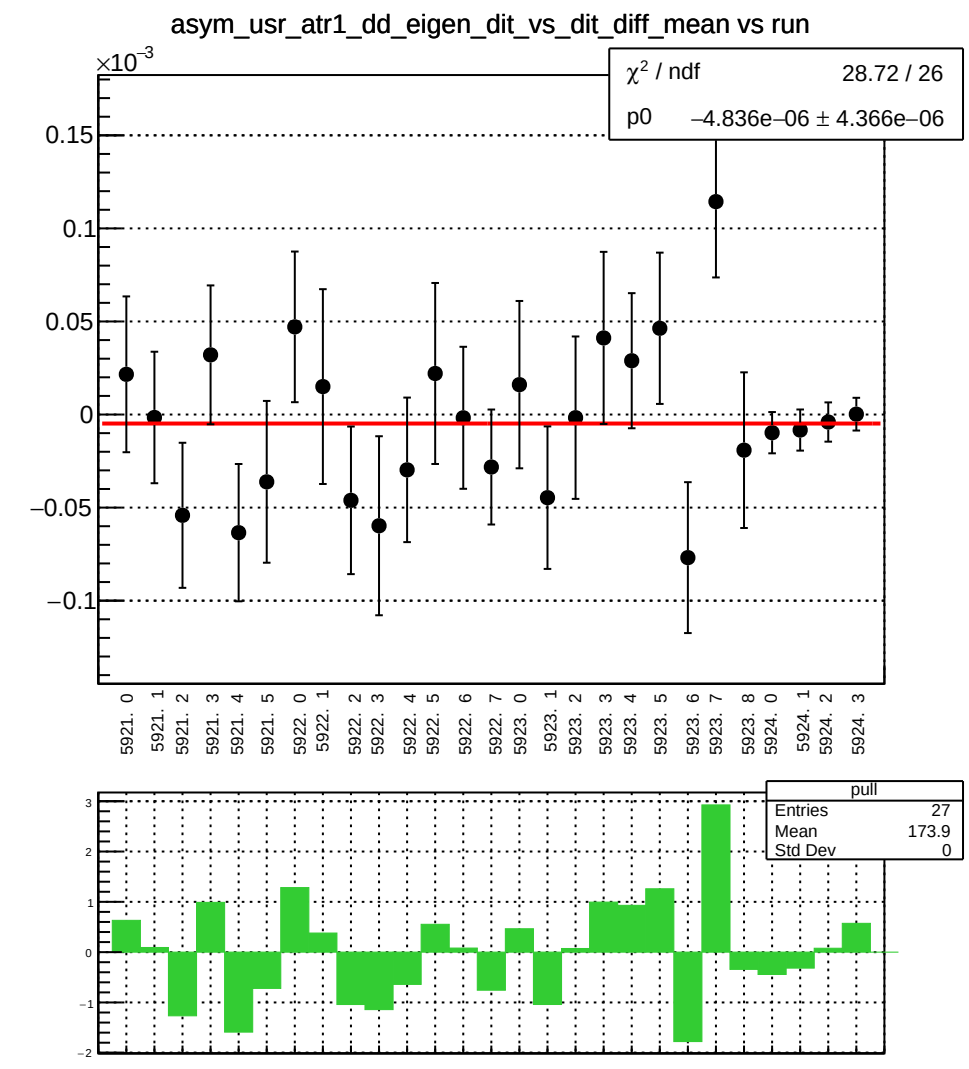

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 17.5 / 26
p0 0.07424 ± 0.07455
1
0.5
0
−0.5
−1
−1.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 1.551
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

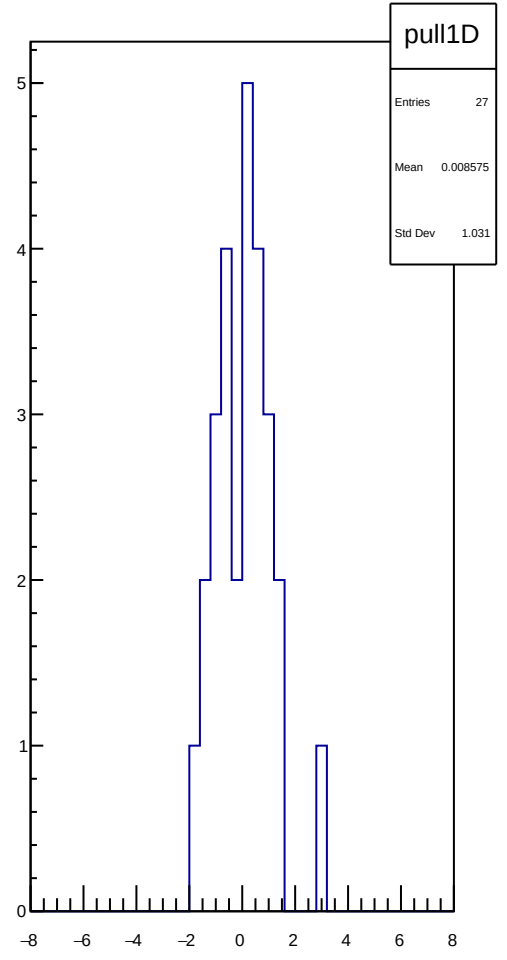

pull1D
Entries 27
Mean 0.02142
Std Dev 0.8047
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

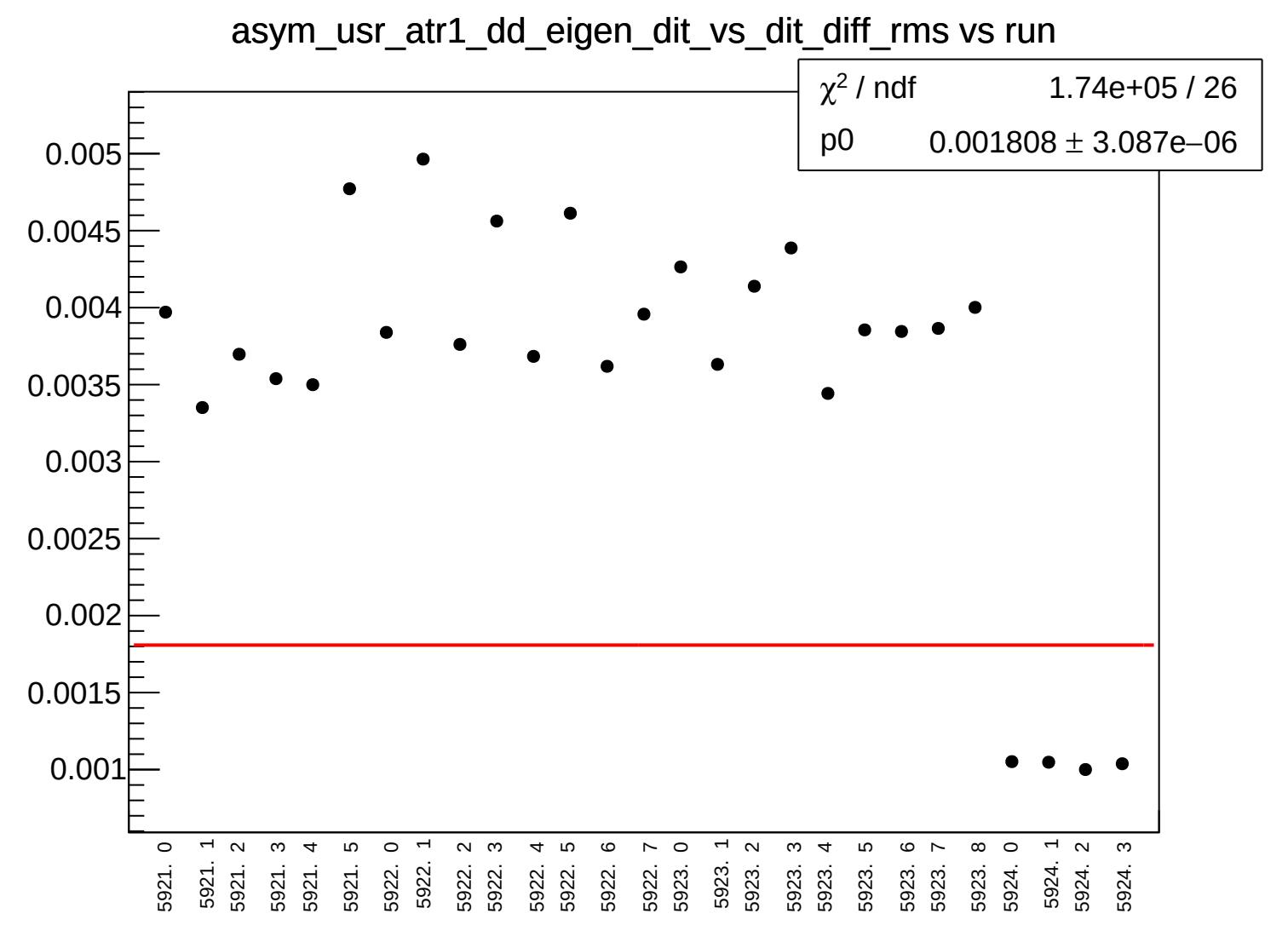

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 9.298e+04 / 26
p0 34.33 ± 0.05271
100
90
80
70
60
50
40
30
20
10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

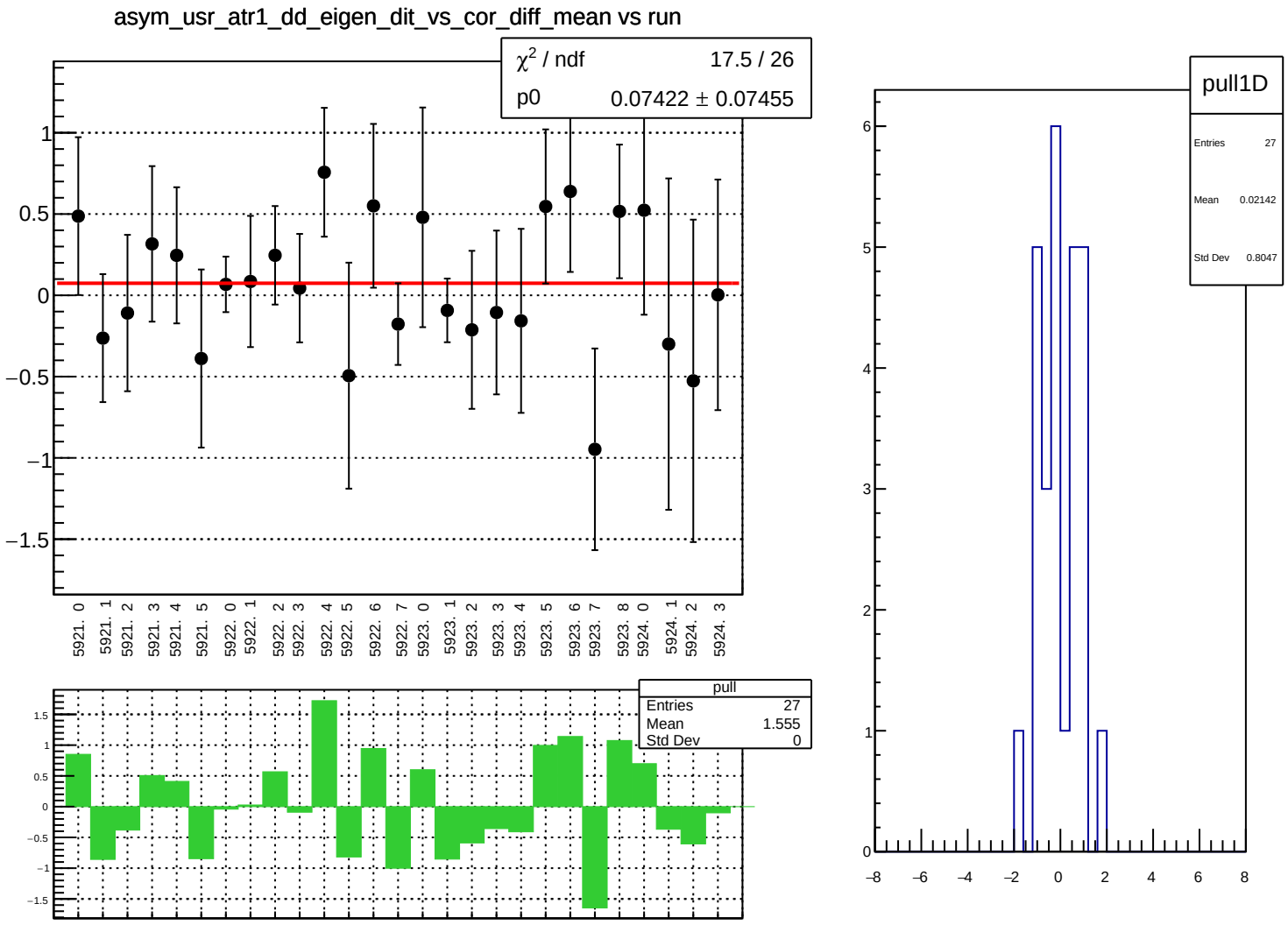

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 17.5 / 26
p0 0.07424 ± 0.07455
1
0.5
0
−0.5
−1
−1.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 1.551
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.02142
Std Dev 0.8047
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

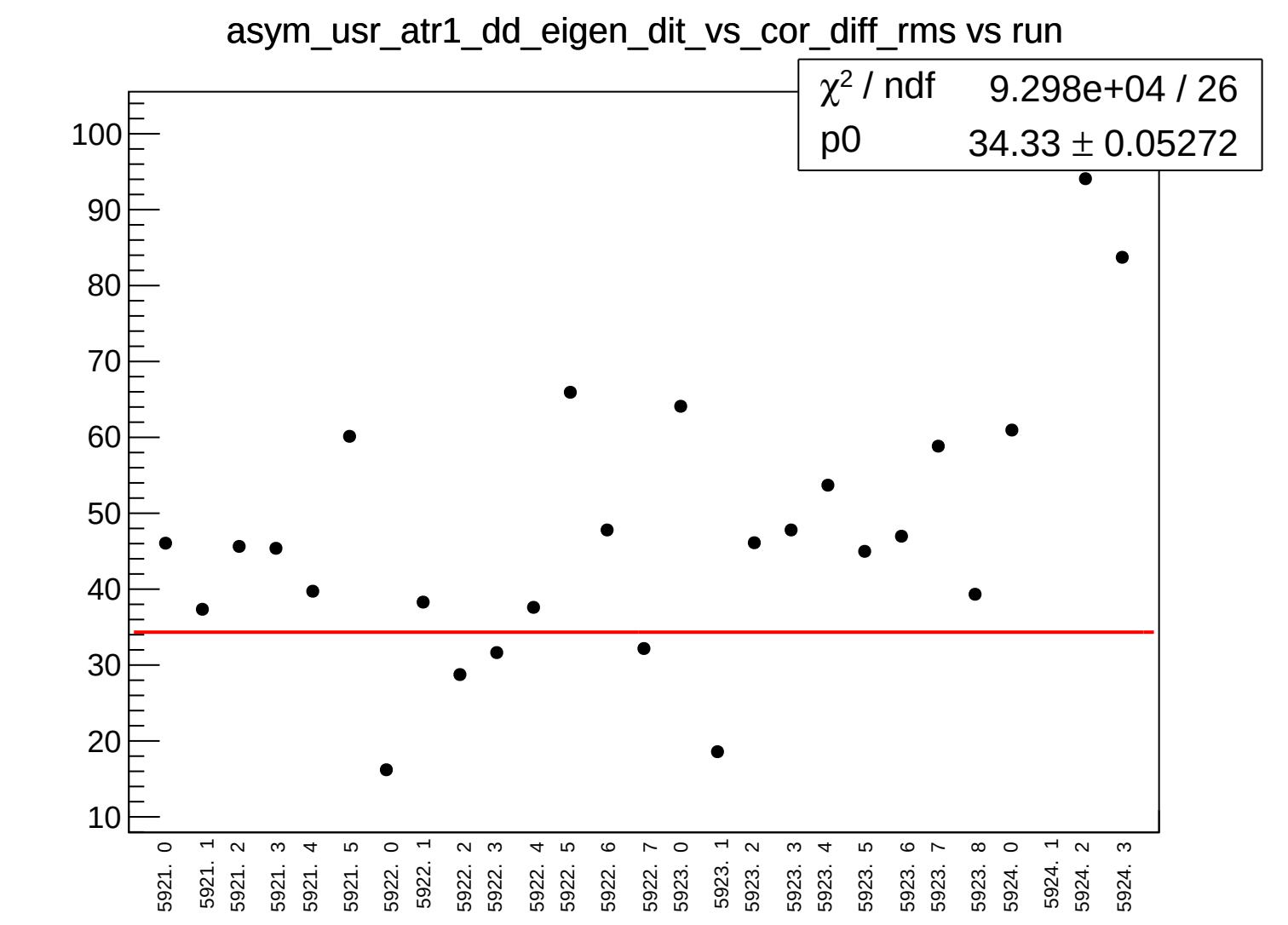

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.298e+04 / 26
p0 34.33 ± 0.05271
100
90
80
70
60
50
40
30
20
10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

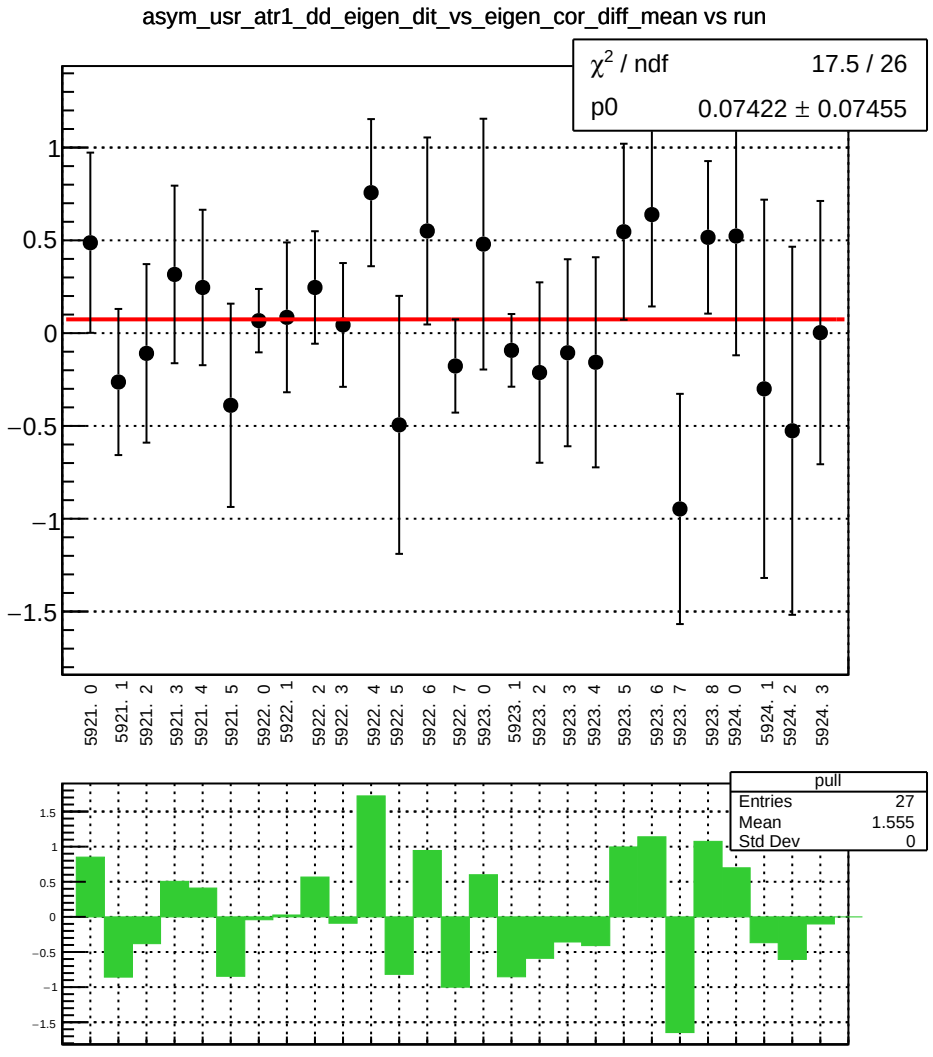

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 28.72 / 26
p0 −4.836e−06 ± 4.366e−06
0.15
0.1
0.05
0
−0.05
−0.1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 173.9
Std Dev 0
3
2
1
0
−1
−2

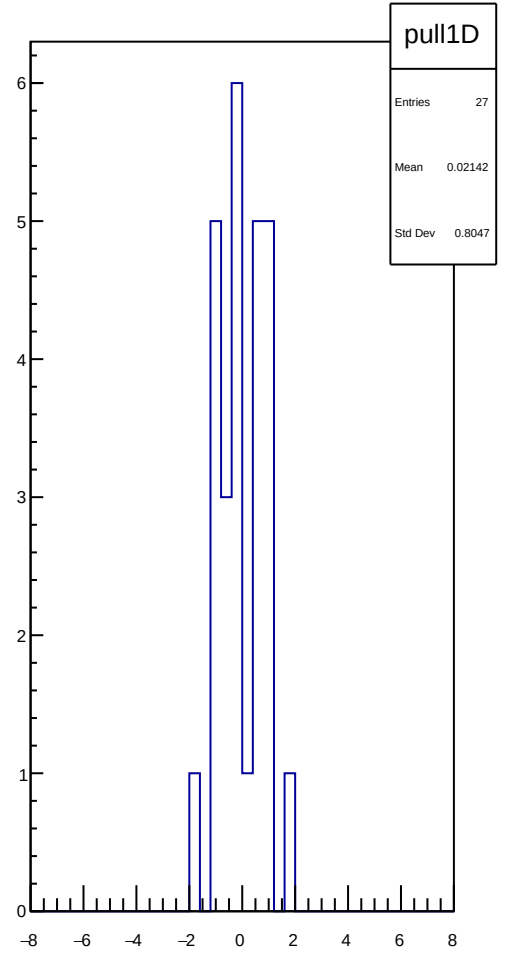

pull1D
Entries 27
Mean 0.008575
Std Dev 1.031
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

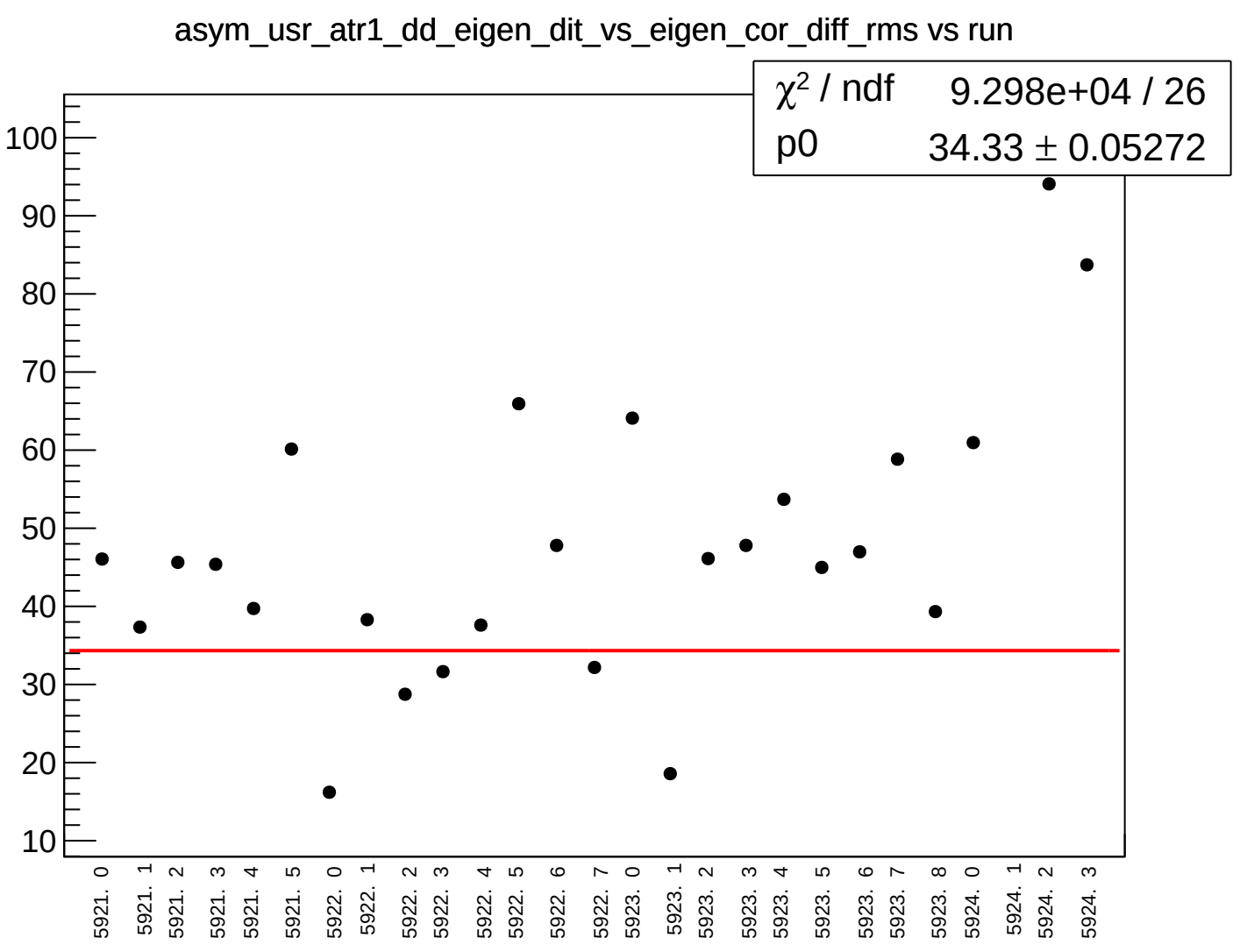

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.74e+05 / 26
p0 0.001808 ± 3.087e−06
0.005
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

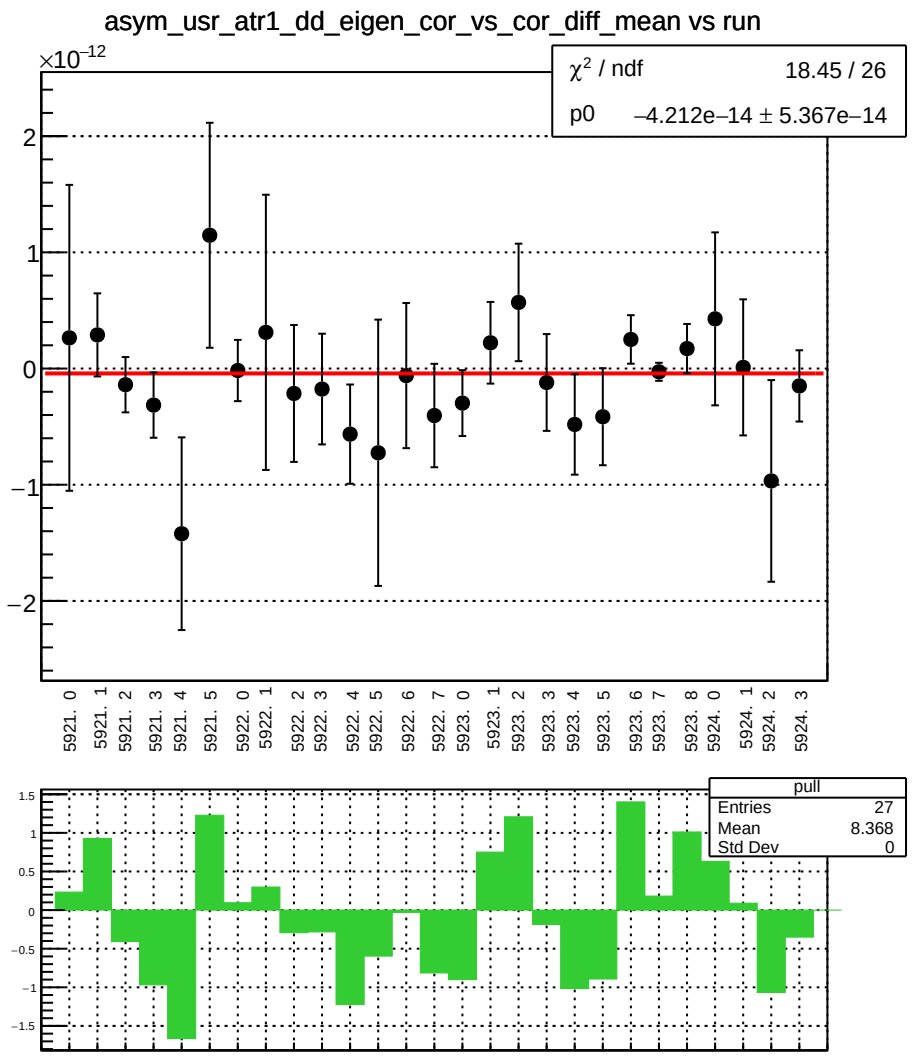

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 17.5 / 26
p0 0.07422 ± 0.07455
1
0.5
0
−0.5
−1
−1.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 1.555
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.02142
Std Dev 0.8047
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

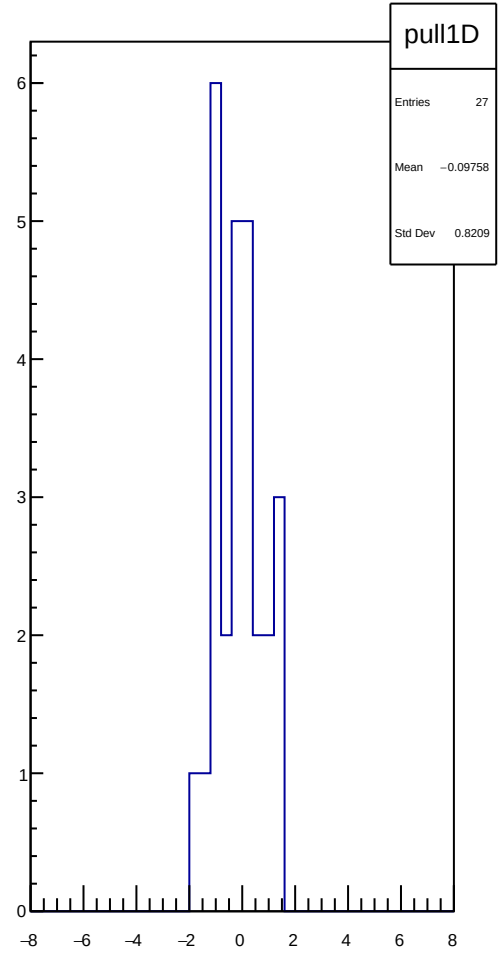

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.298e+04 / 26
p0 34.33 ± 0.05272
100
90
80
70
60
50
40
30
20
10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

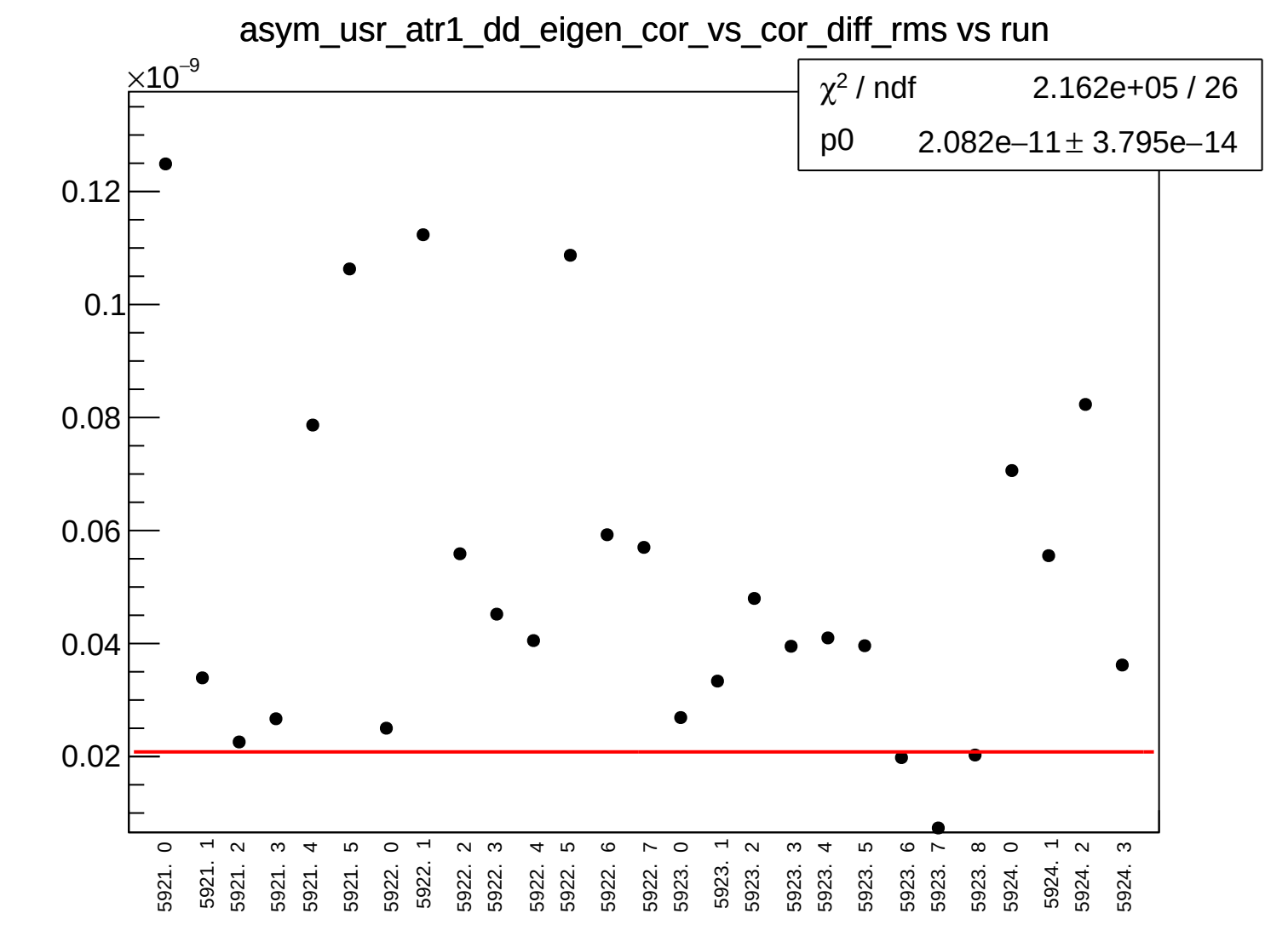

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 17.5 / 26
p0 0.07422 ± 0.07455
1
0.5
0
−0.5
−1
−1.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 1.555
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

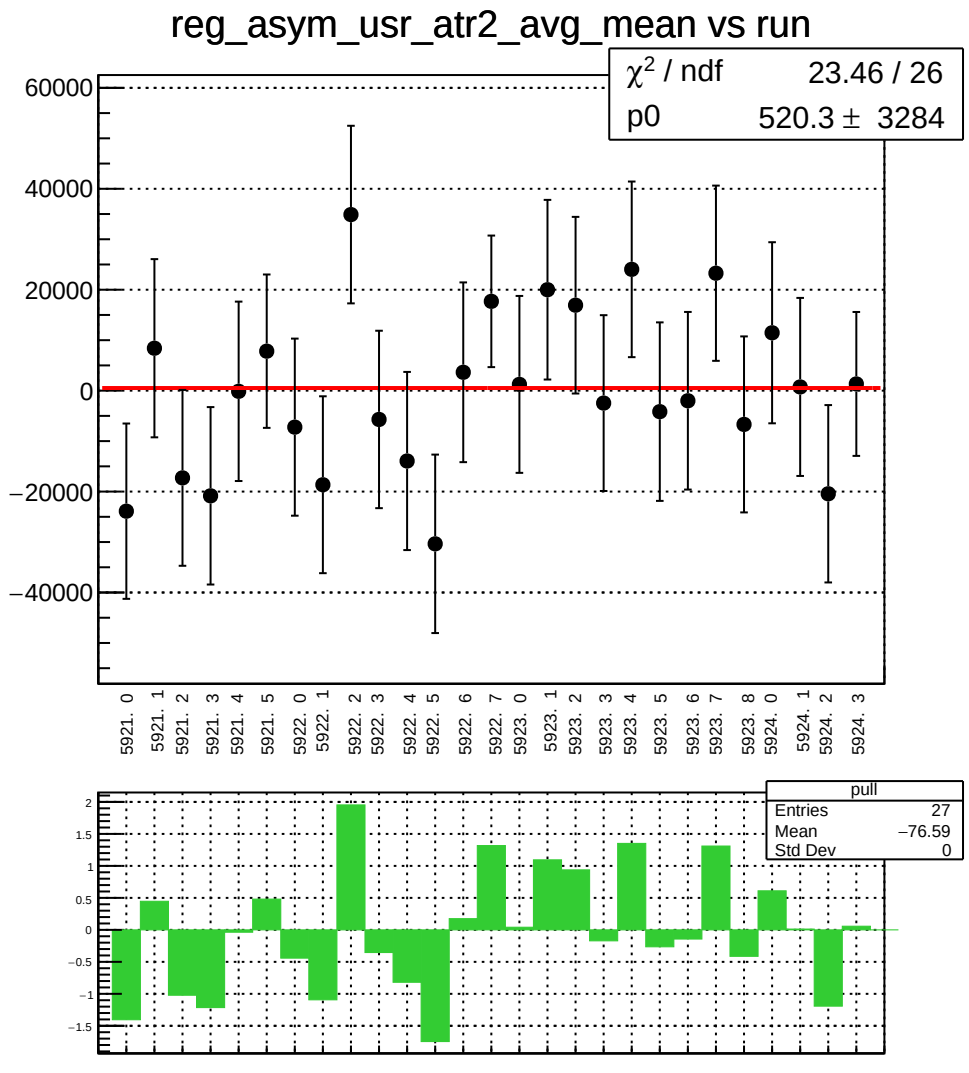

pull1D
Entries 27
Mean 0.02142
Std Dev 0.8047
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

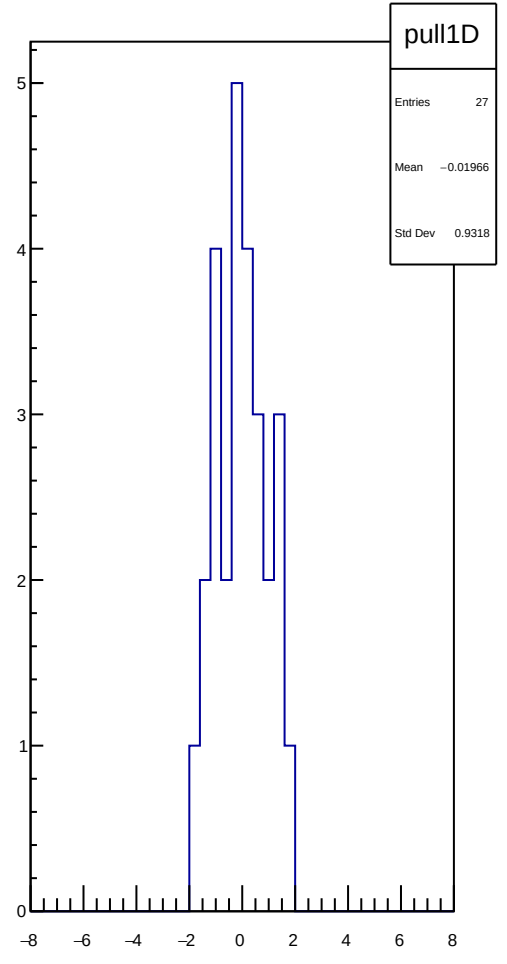

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.298e+04 / 26
p0 34.33 ± 0.05272
100
90
80
70
60
50
40
30
20
10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

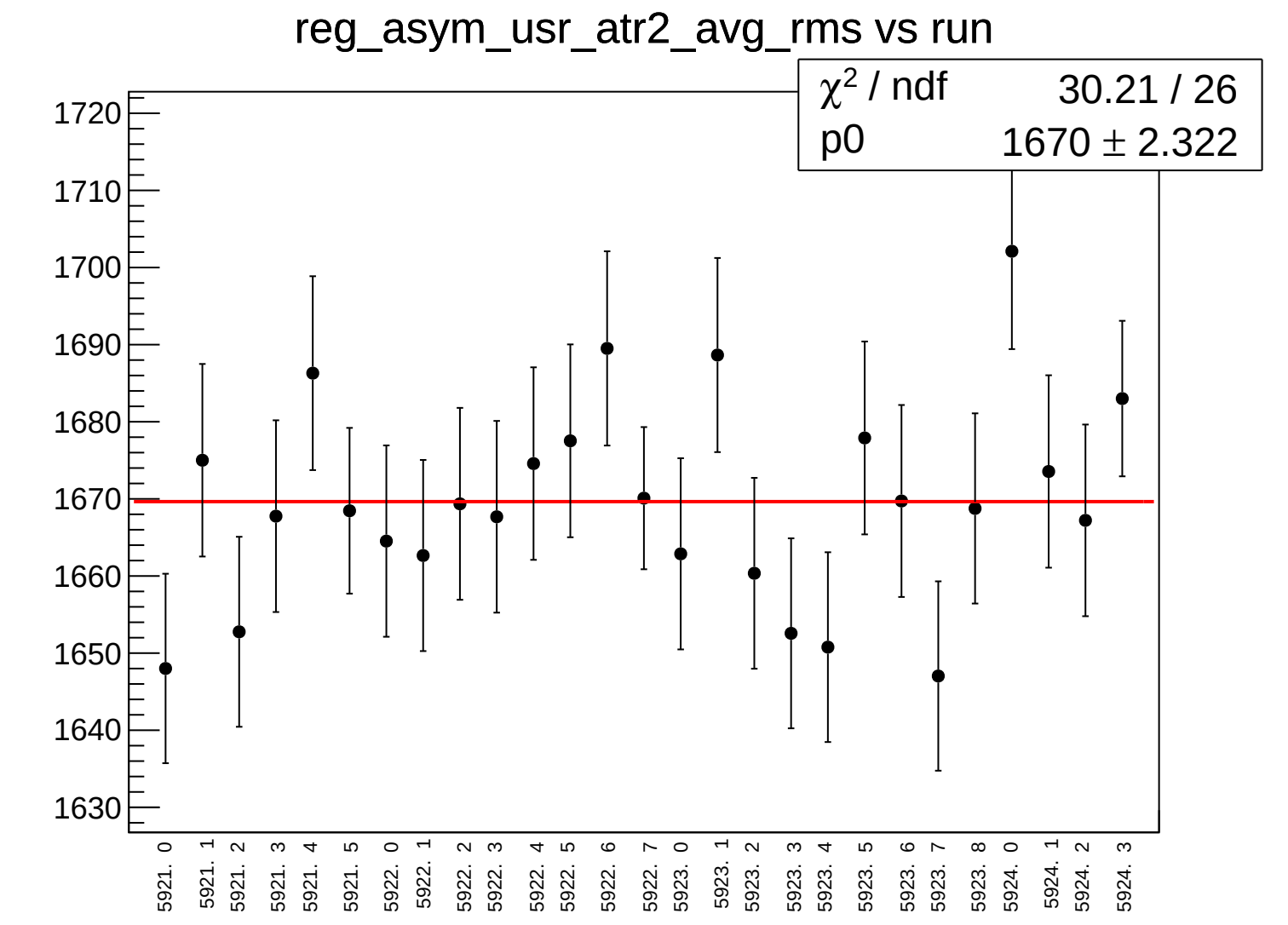

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 18.45 / 26
p0 −4.212e−14 ± 5.367e−14
2
1
0
−1
−2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 8.368
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

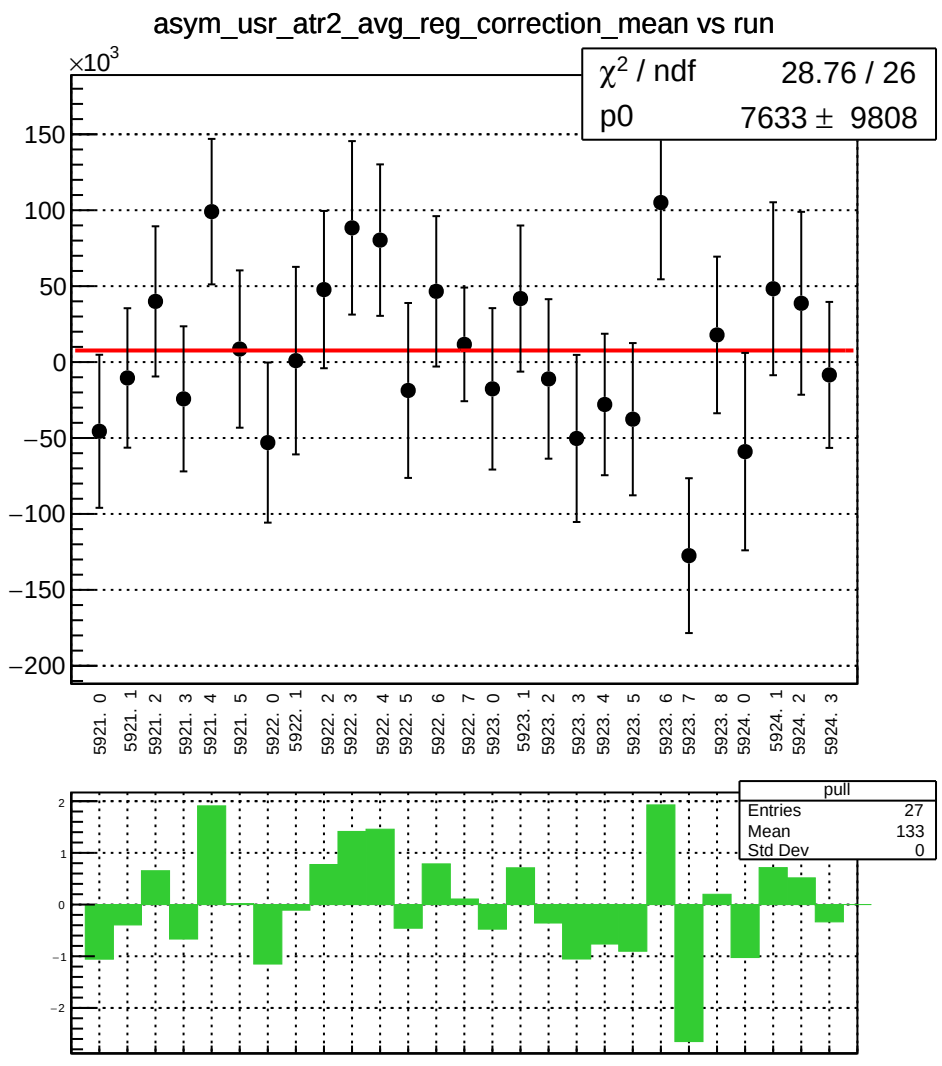

pull1D
Entries 27
Mean −0.09758
Std Dev 0.8209
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

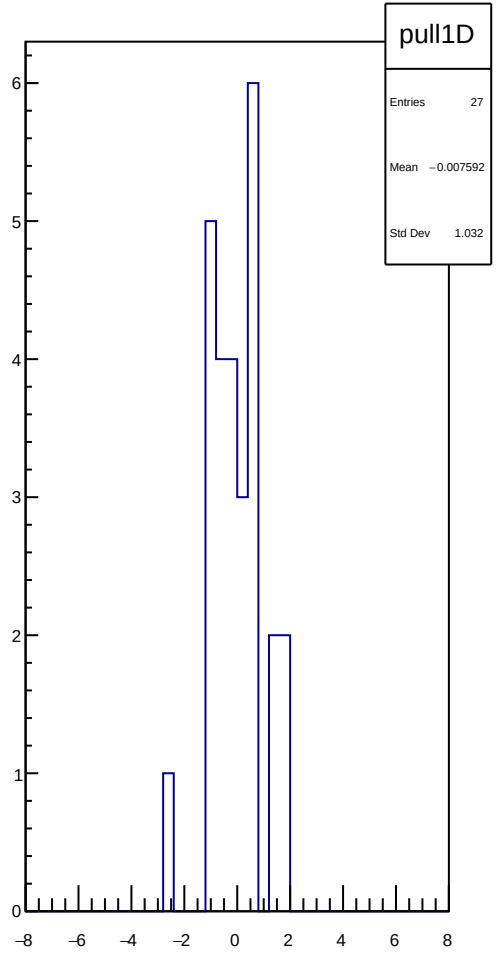

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.162e+05 / 26
p0 2.082e−11 ± 3.795e−14
0.12
0.1
0.08
0.06
0.04
0.02
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

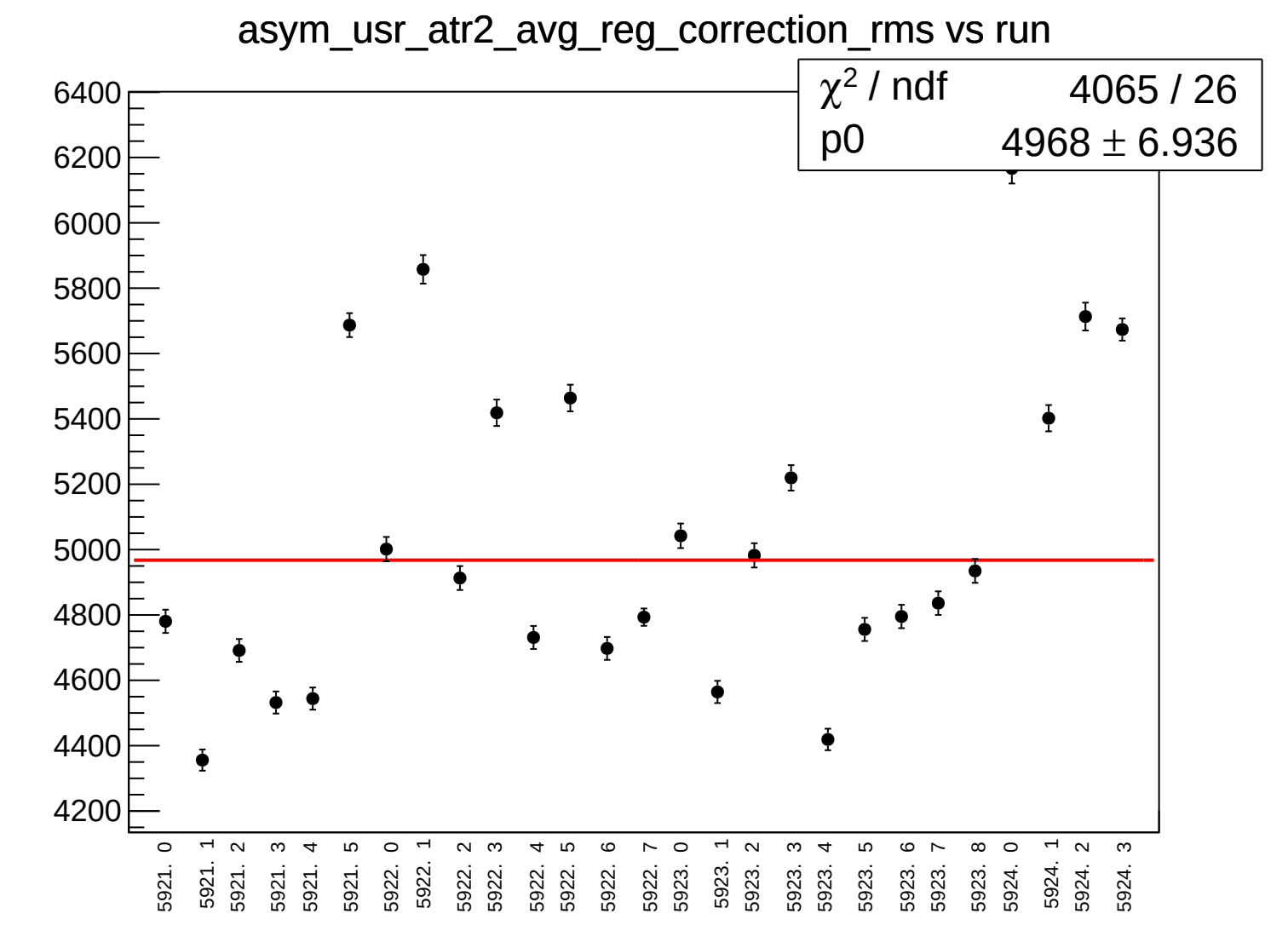

reg_asym_usr_atr2_avg_mean vs run
χ² / ndf 23.46 / 26
p0 520.3 ± 3284
60000
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −76.59
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

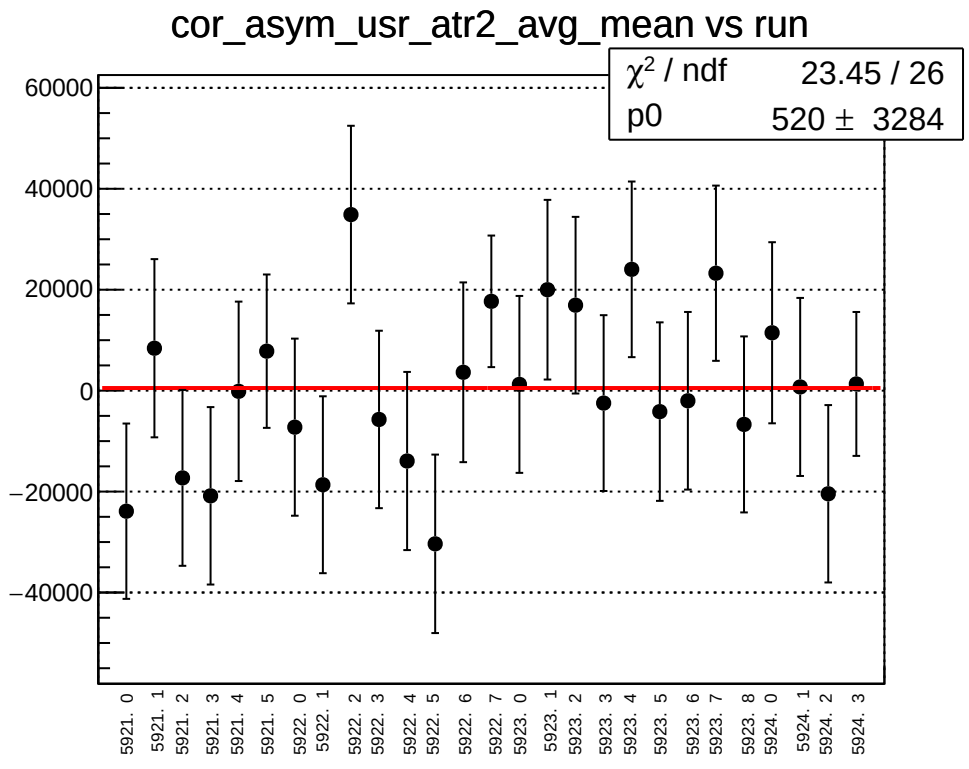

pull1D
Entries 27
Mean −0.01966
Std Dev 0.9318
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

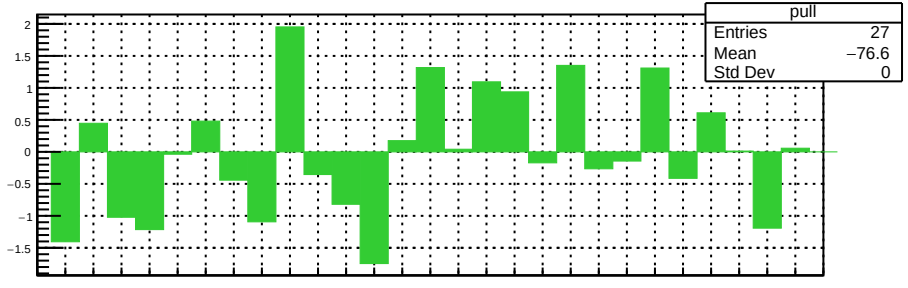

reg_asym_usr_atr2_avg_rms vs run
χ² / ndf 30.21 / 26
p0 1670 ± 2.322
1720
1710
1700
1690
1680
1670
1660
1650
1640
1630
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

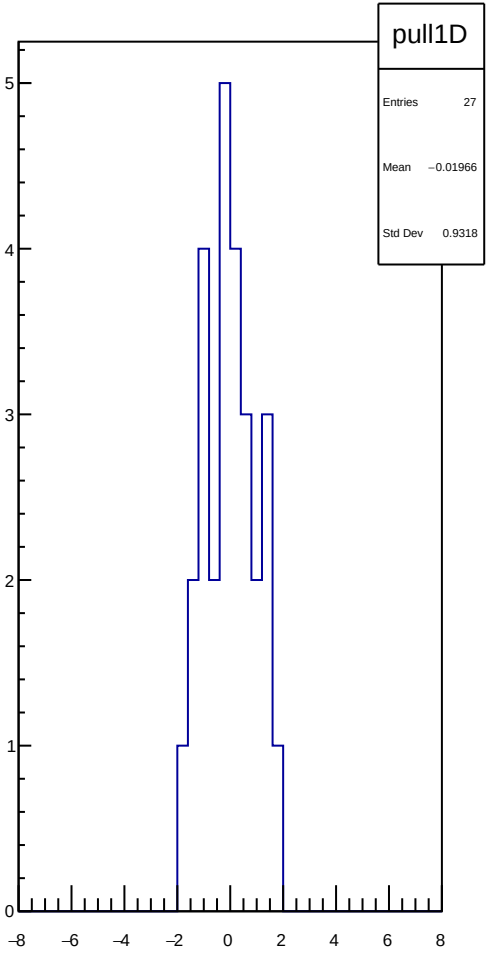

asym_usr_atr2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 28.76 / 26
p0 7633 ± 9808
150
100
50
0
−50
−100
−150
−200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 133
Std Dev 0
2
1
0
−1
−2

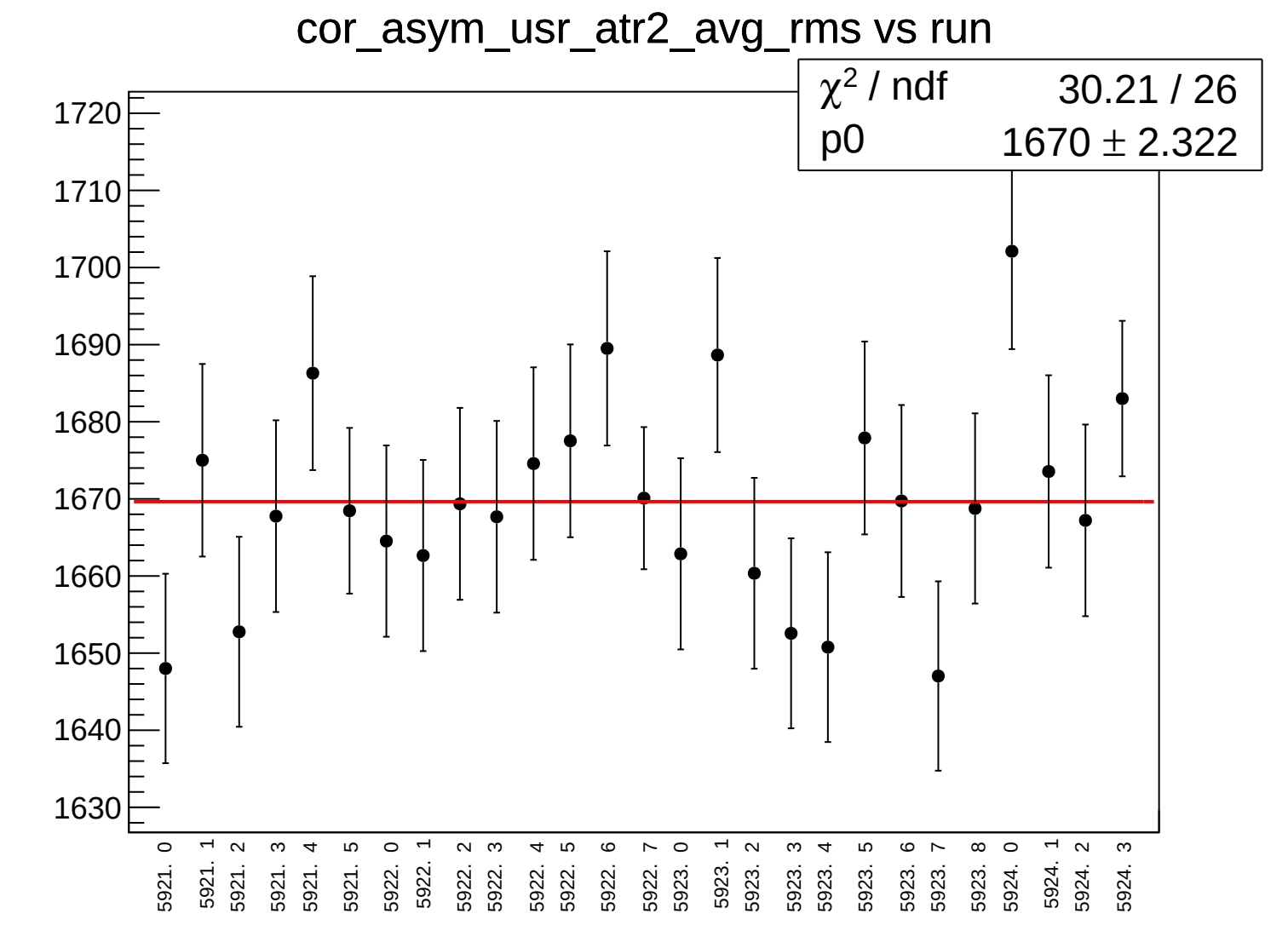

pull1D
Entries 27
Mean −0.007592
Std Dev 1.032
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

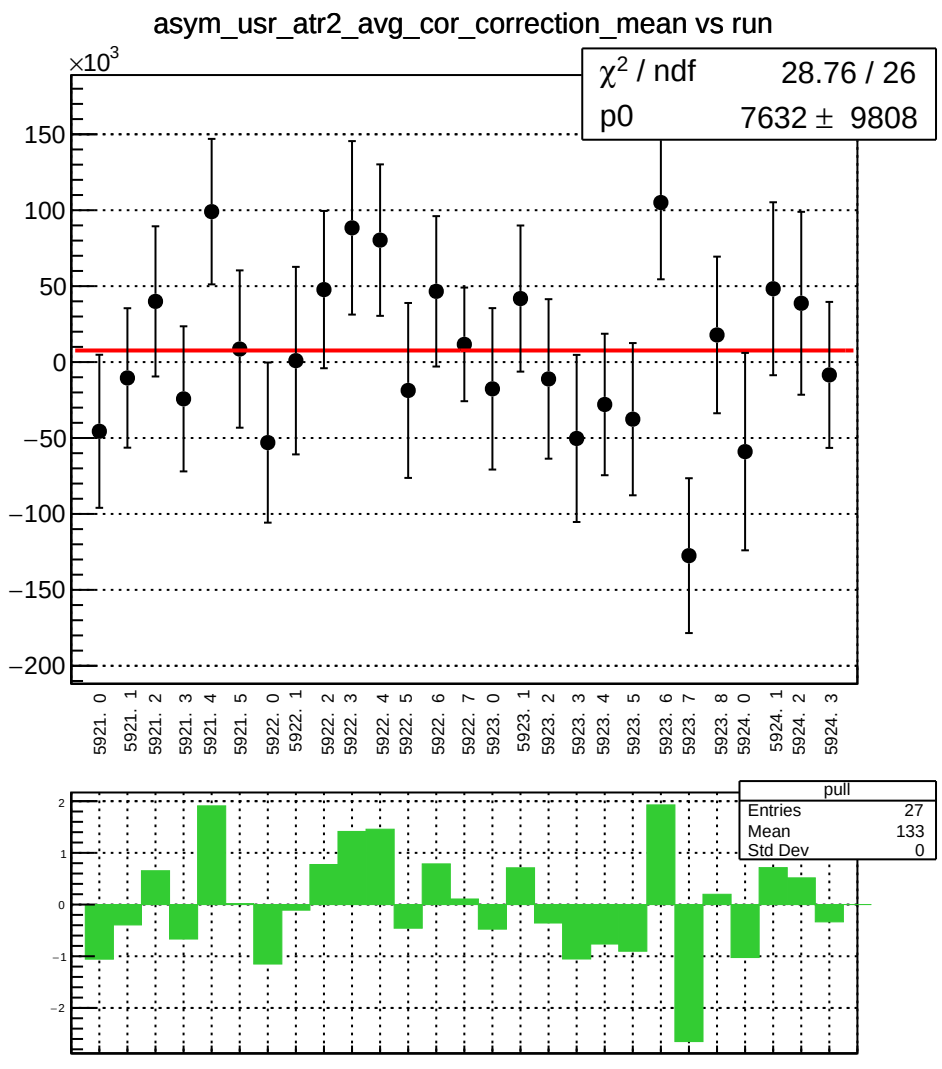

asym_usr_atr2_avg_reg_correction_rms vs run
χ² / ndf 4065 / 26
p0 4968 ± 6.936
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

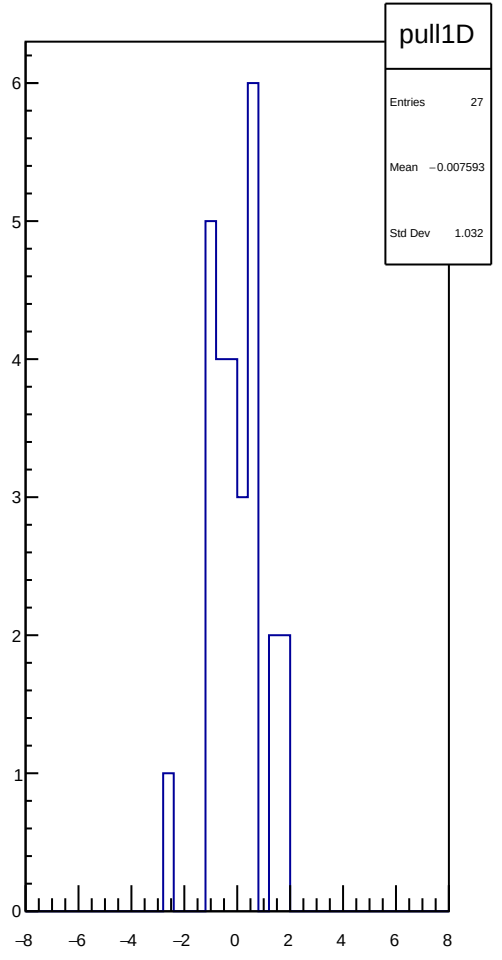

cor_asym_usr_atr2_avg_mean vs run
χ² / ndf 23.45 / 26
p0 520 ± 3284
60000
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

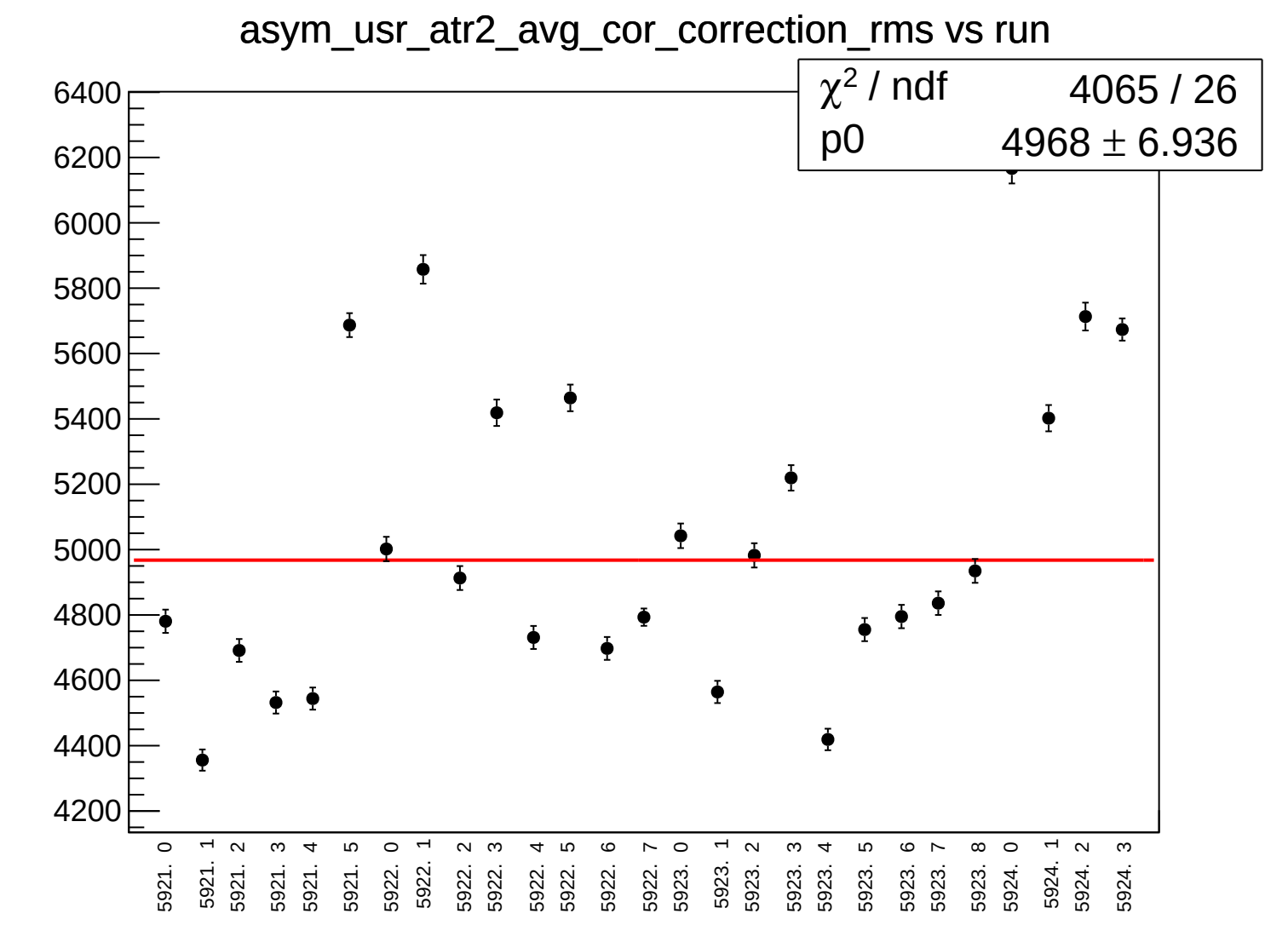

pull
Entries 27
Mean −76.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

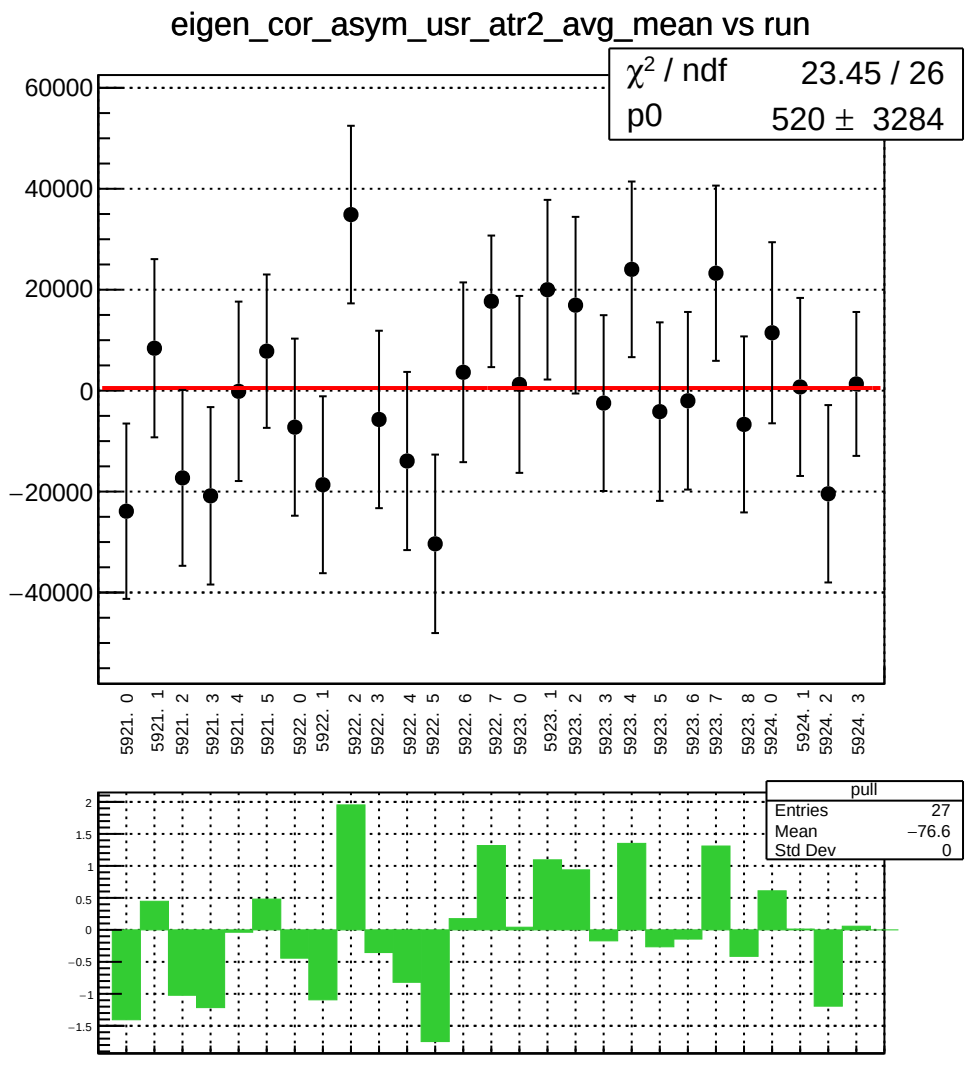

pull1D
Entries 27
Mean −0.01966
Std Dev 0.9318
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

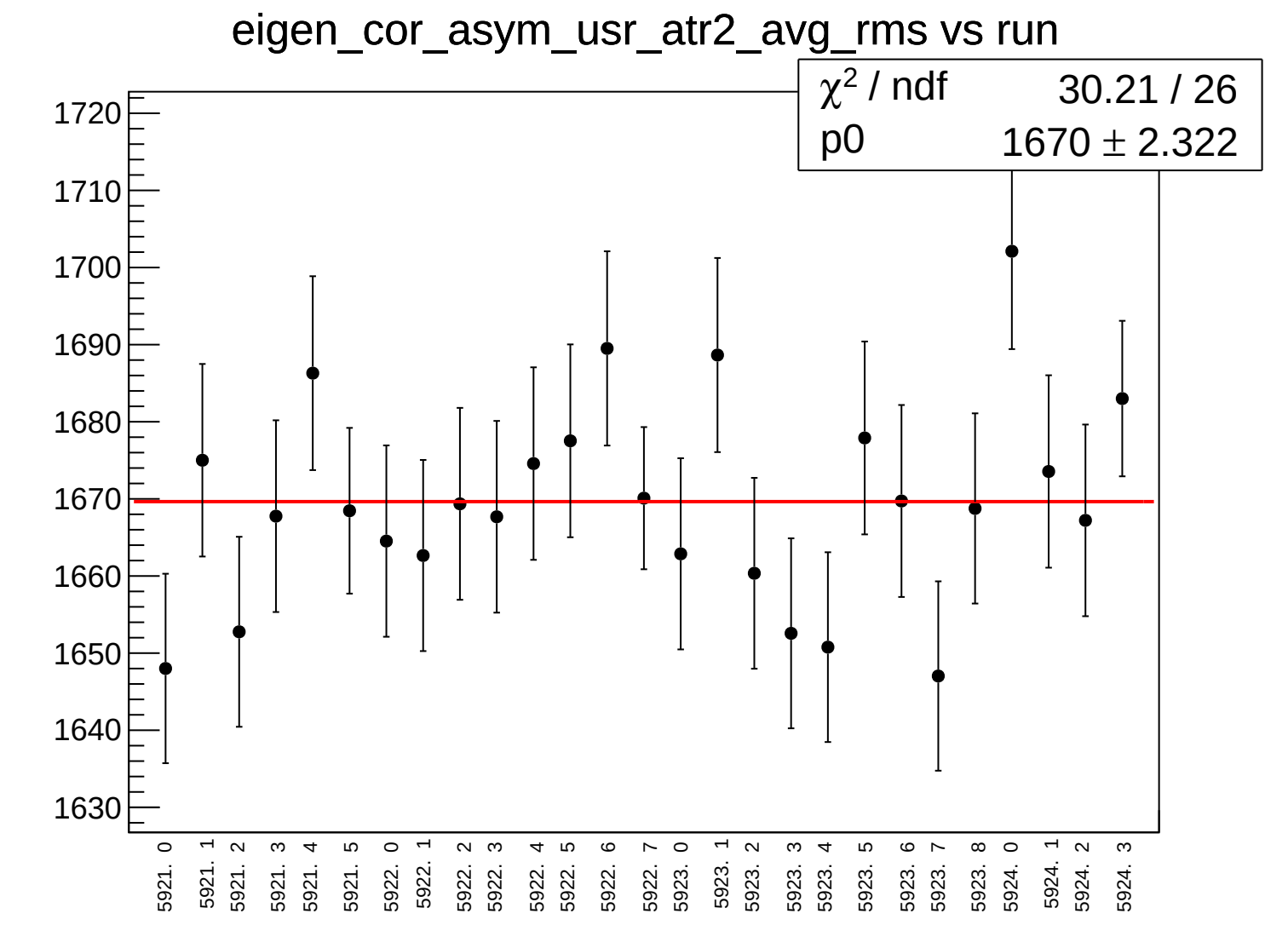

cor_asym_usr_atr2_avg_rms vs run
χ² / ndf 30.21 / 26
p0 1670 ± 2.322
1720
1710
1700
1690
1680
1670
1660
1650
1640
1630
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

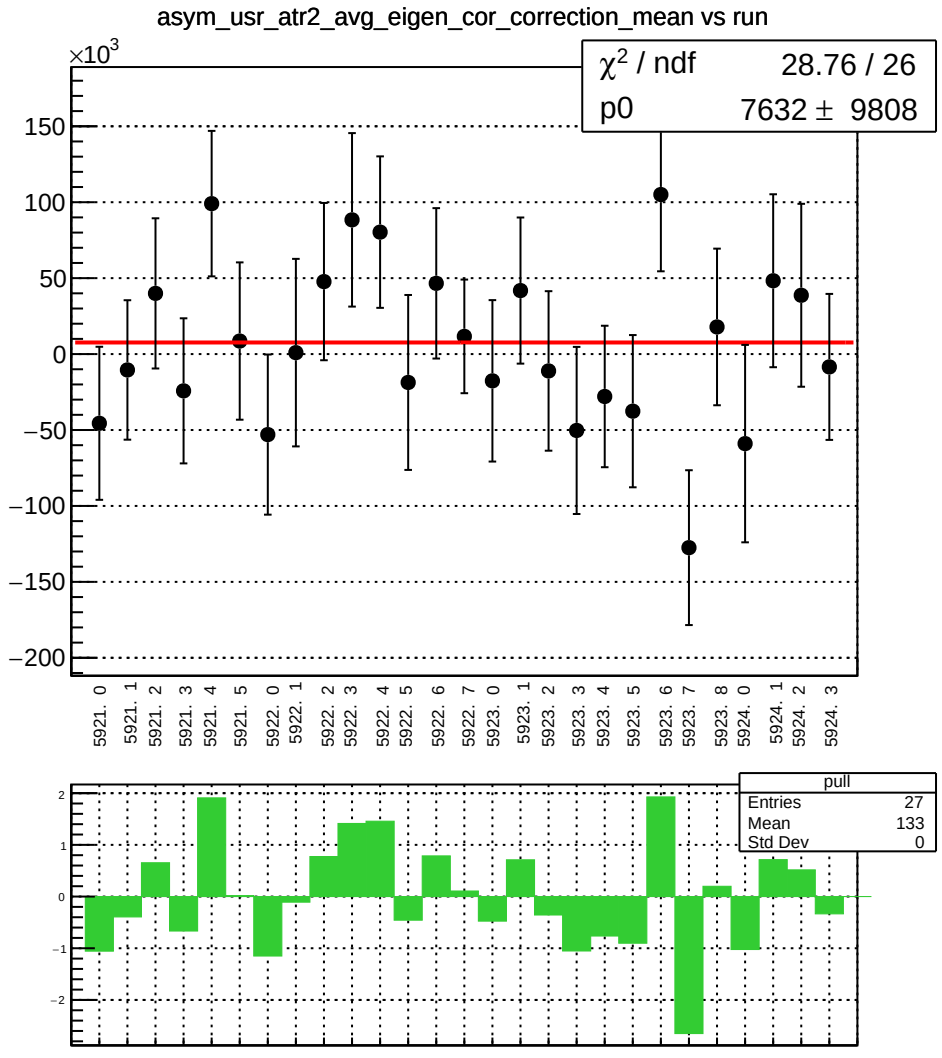

asym_usr_atr2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 28.76 / 26
p0 7632 ± 9808
150
100
50
0
−50
−100
−150
−200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 133
Std Dev 0
2
1
0
−1
−2

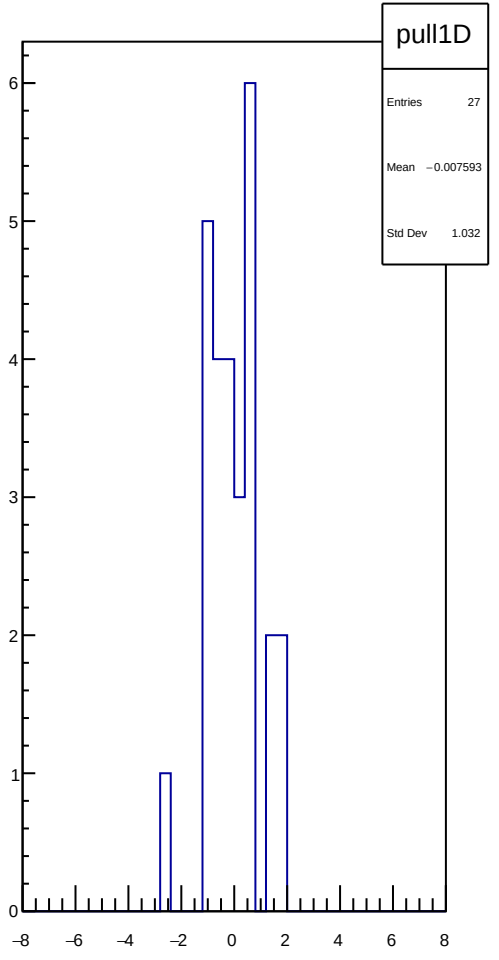

pull1D
Entries 27
Mean −0.007593
Std Dev 1.032
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

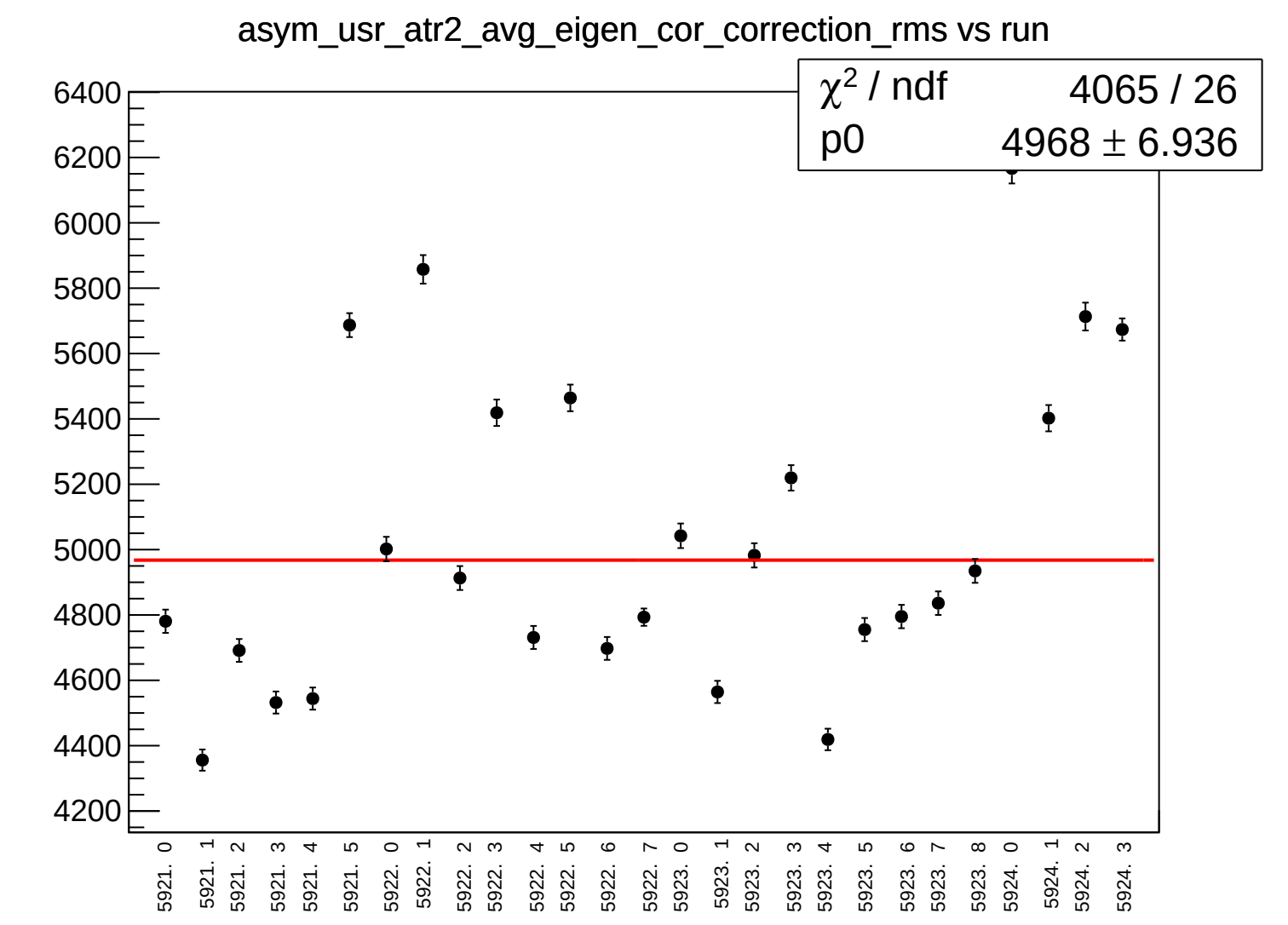

asym_usr_atr2_avg_cor_correction_rms vs run
χ² / ndf 4065 / 26
p0 4968 ± 6.936
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

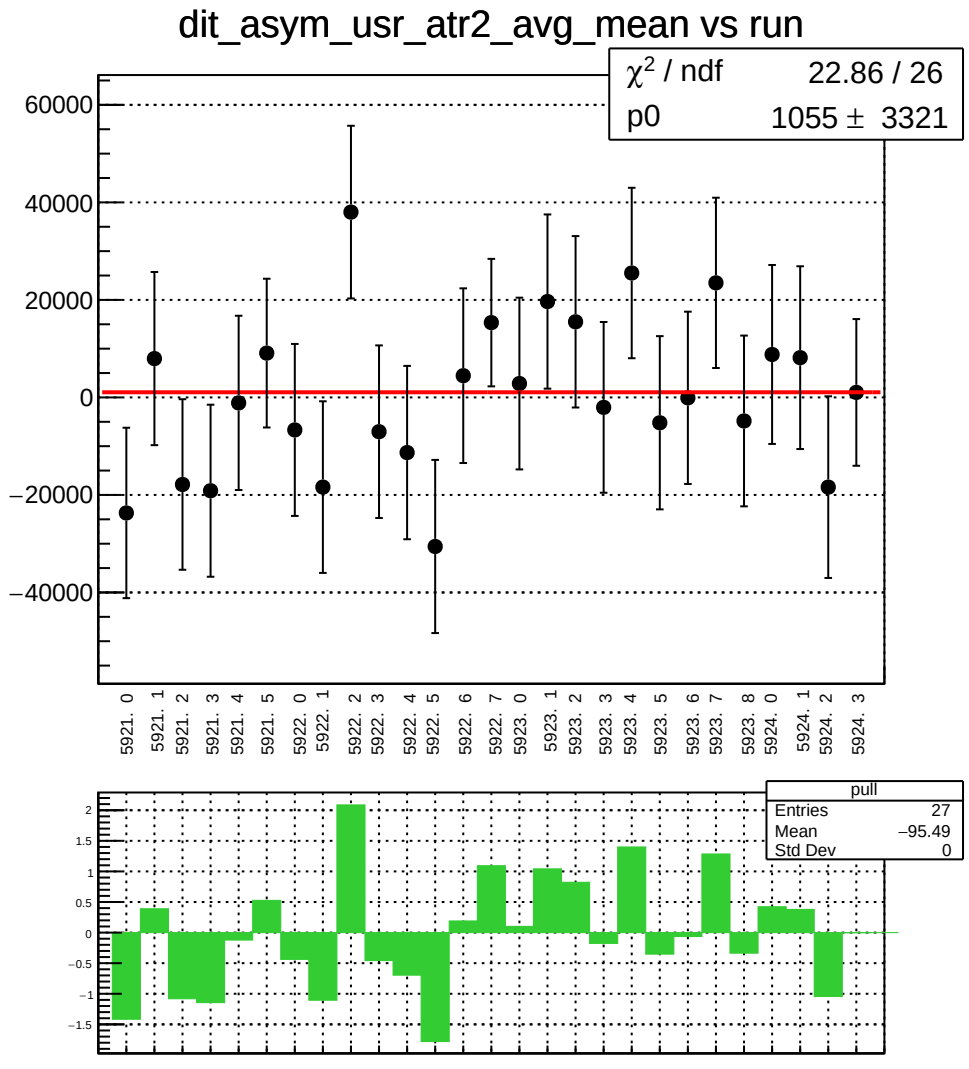

eigen_cor_asym_usr_atr2_avg_mean vs run
χ² / ndf 23.45 / 26
p0 520 ± 3284
60000
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −76.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.01966
Std Dev 0.9318
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

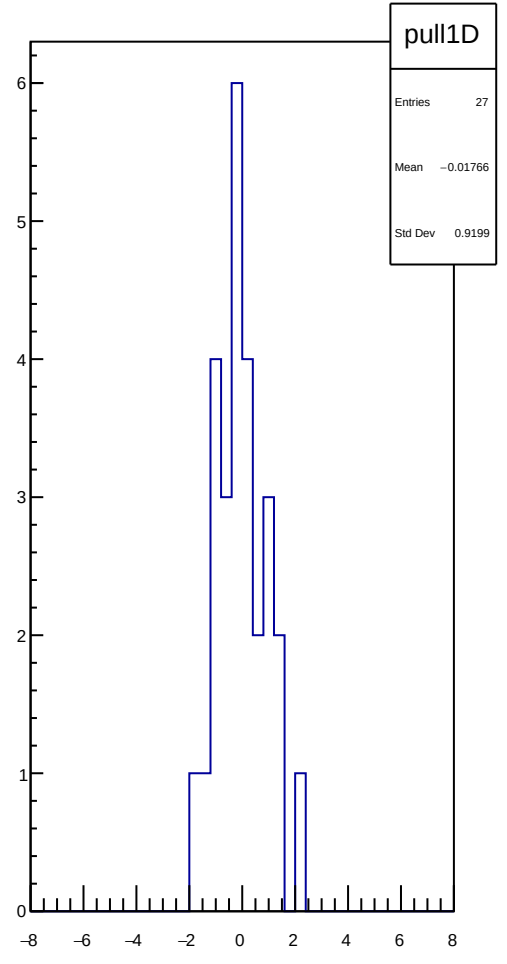

eigen_cor_asym_usr_atr2_avg_rms vs run
χ² / ndf 30.21 / 26
p0 1670 ± 2.322
1720
1710
1700
1690
1680
1670
1660
1650
1640
1630
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

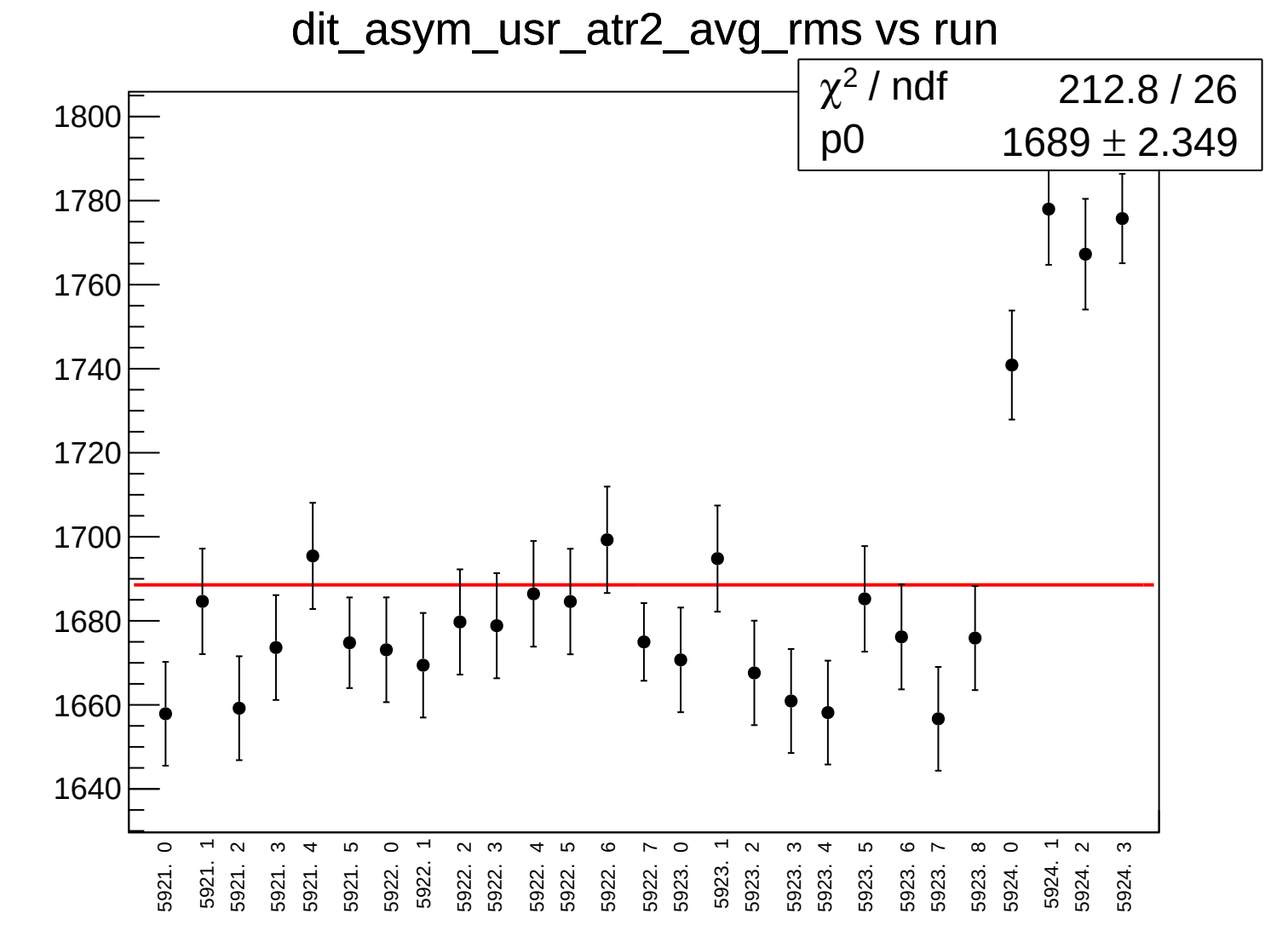

asym_usr_atr2_avg_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 28.76 / 26
p0 7632 ± 9808
150
100
50
0
−50
−100
−150
−200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 133
Std Dev 0
2
1
0
−1
−2

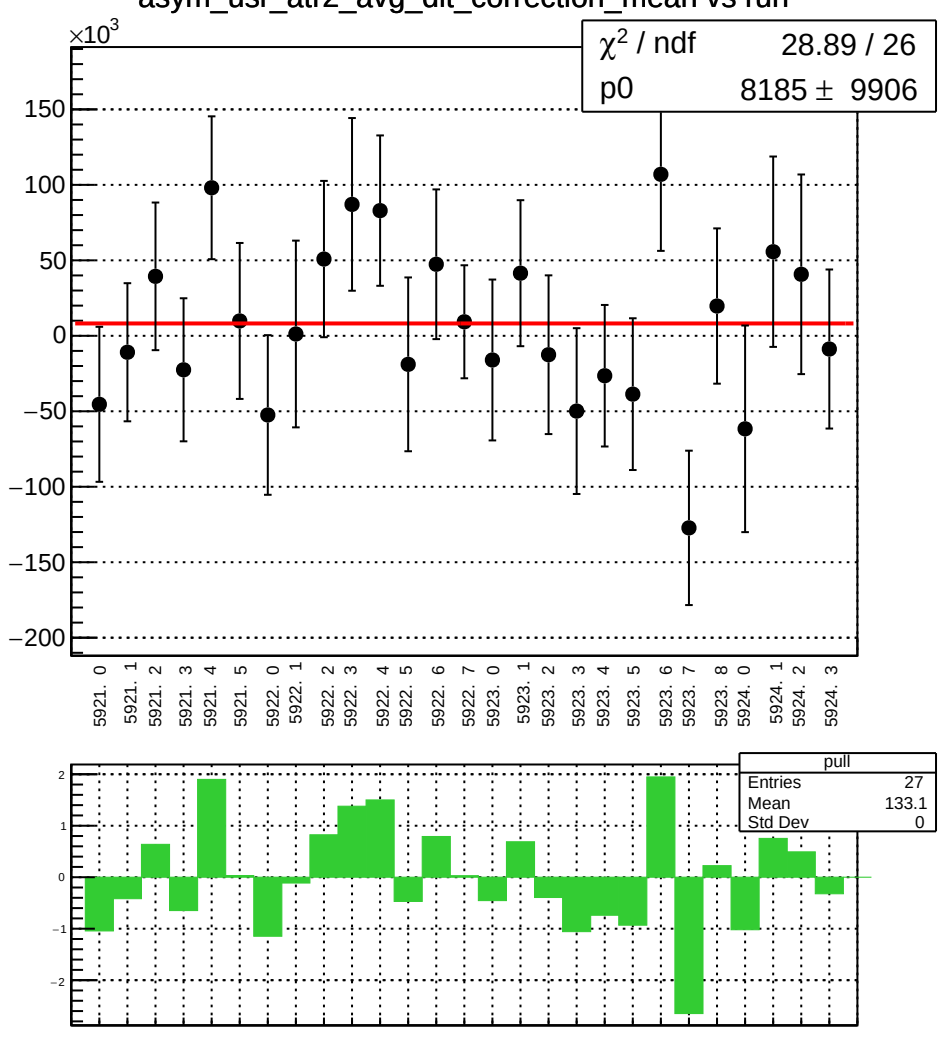

pull1D
Entries 27
Mean −0.007593
Std Dev 1.032
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

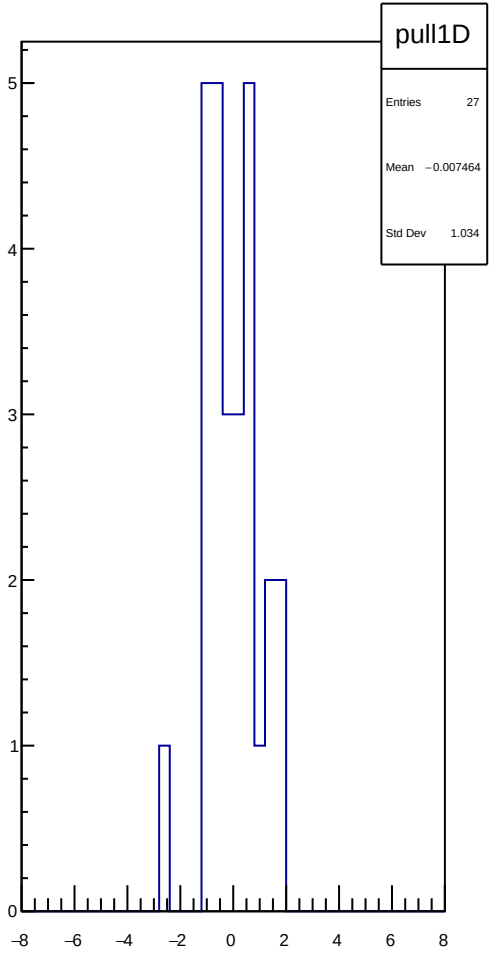

asym_usr_atr2_avg_eigen_cor_correction_rms vs run
χ² / ndf 4065 / 26
p0 4968 ± 6.936
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

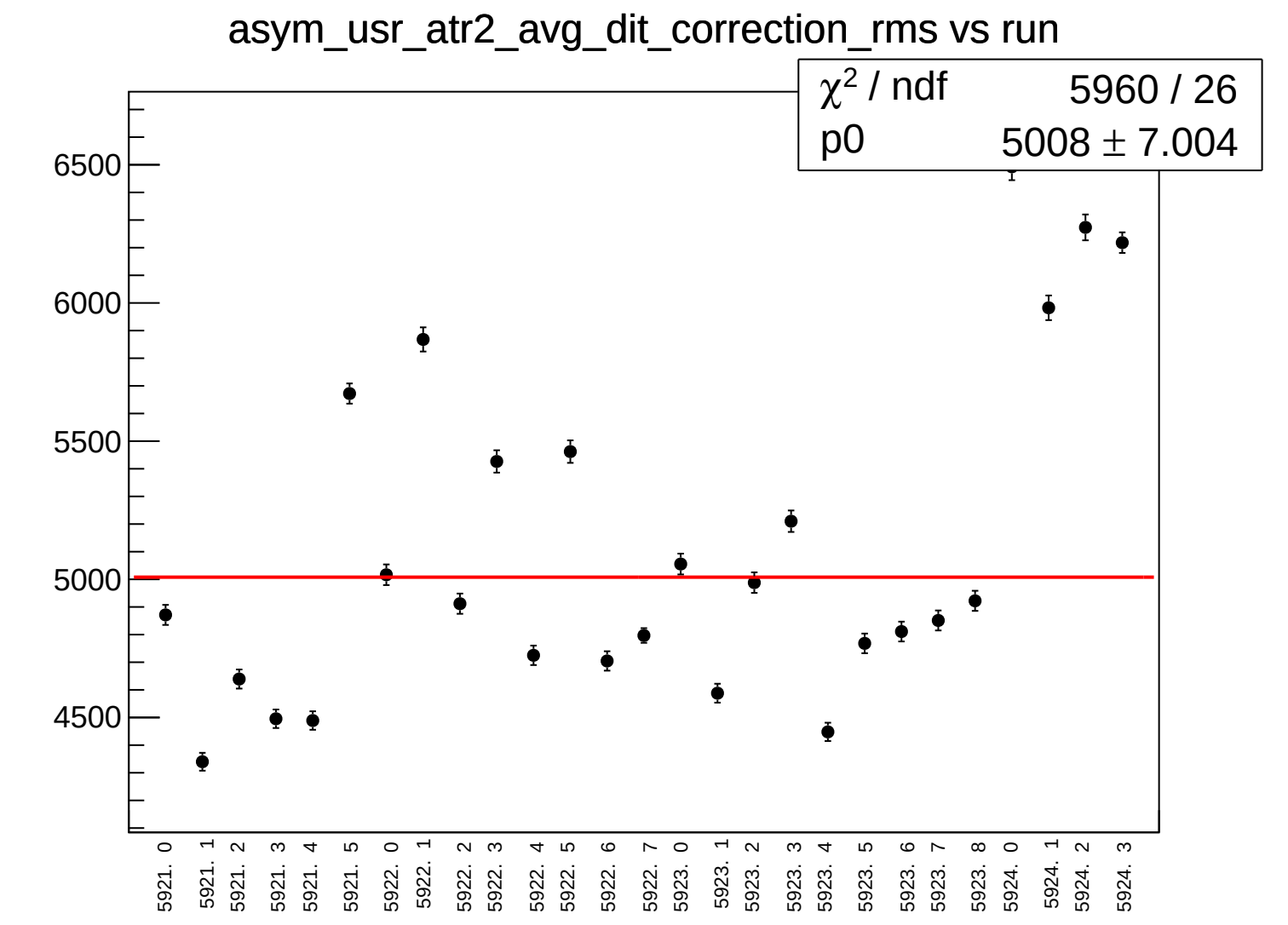

dit_asym_usr_atr2_avg_mean vs run
χ² / ndf 22.86 / 26
p0 1055 ± 3321
60000
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −95.49
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

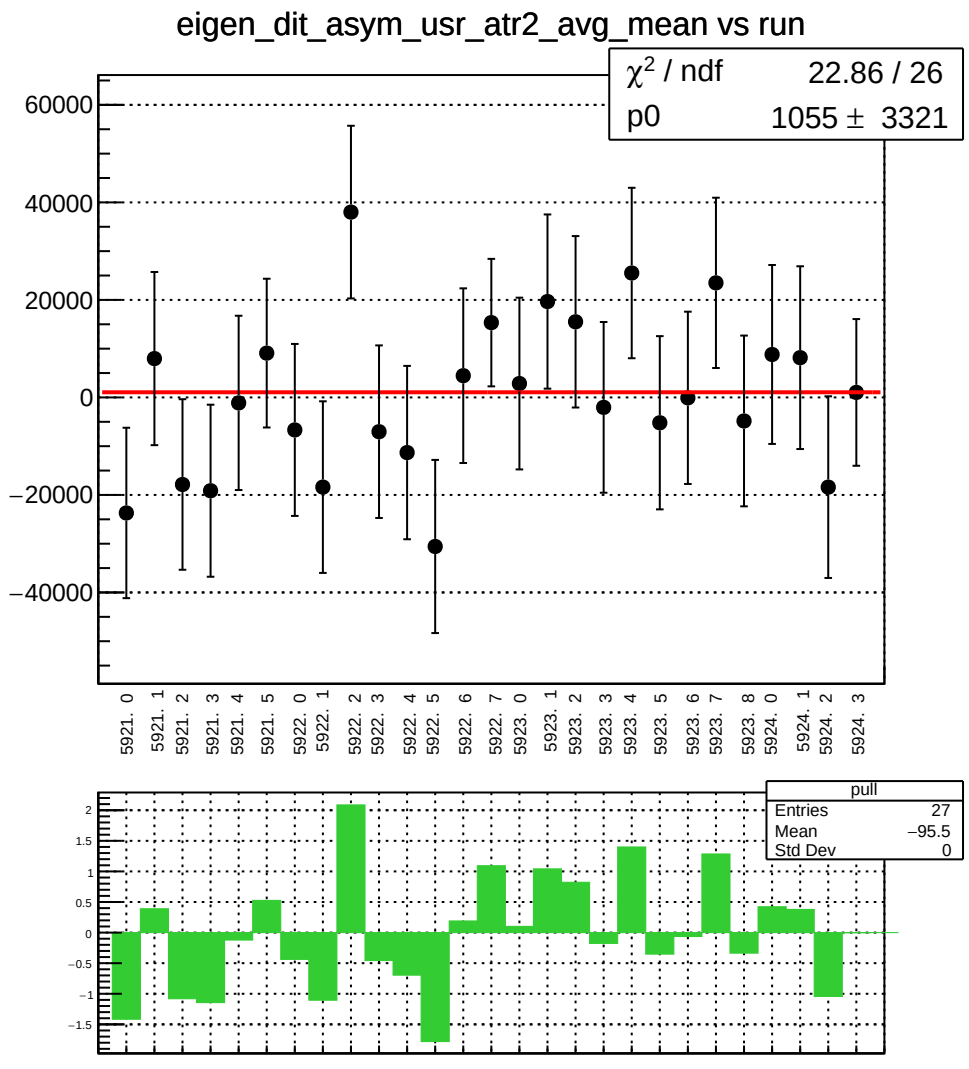

pull1D
Entries 27
Mean −0.01766
Std Dev 0.9199
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

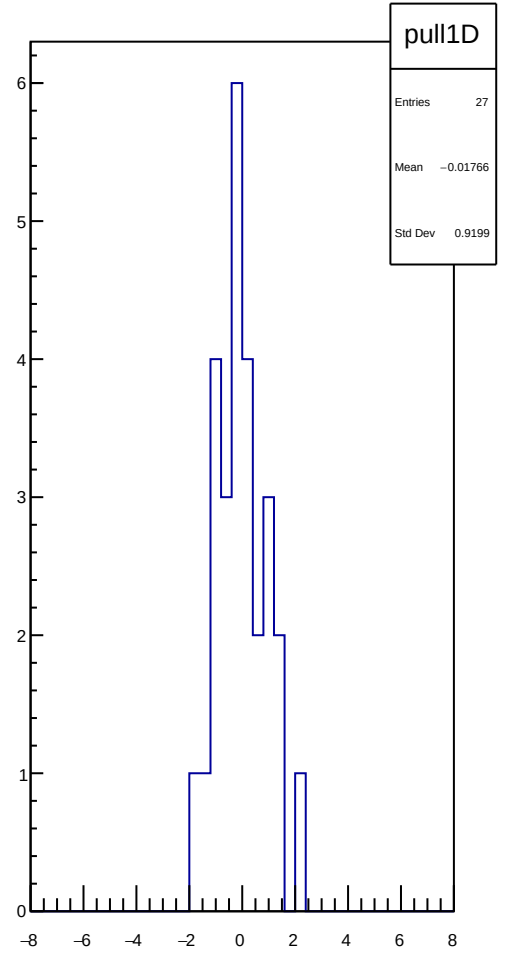

dit_asym_usr_atr2_avg_rms vs run
χ² / ndf 212.8 / 26
p0 1689 ± 2.349
1800
1780
1760
1740
1720
1700
1680
1660
1640
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

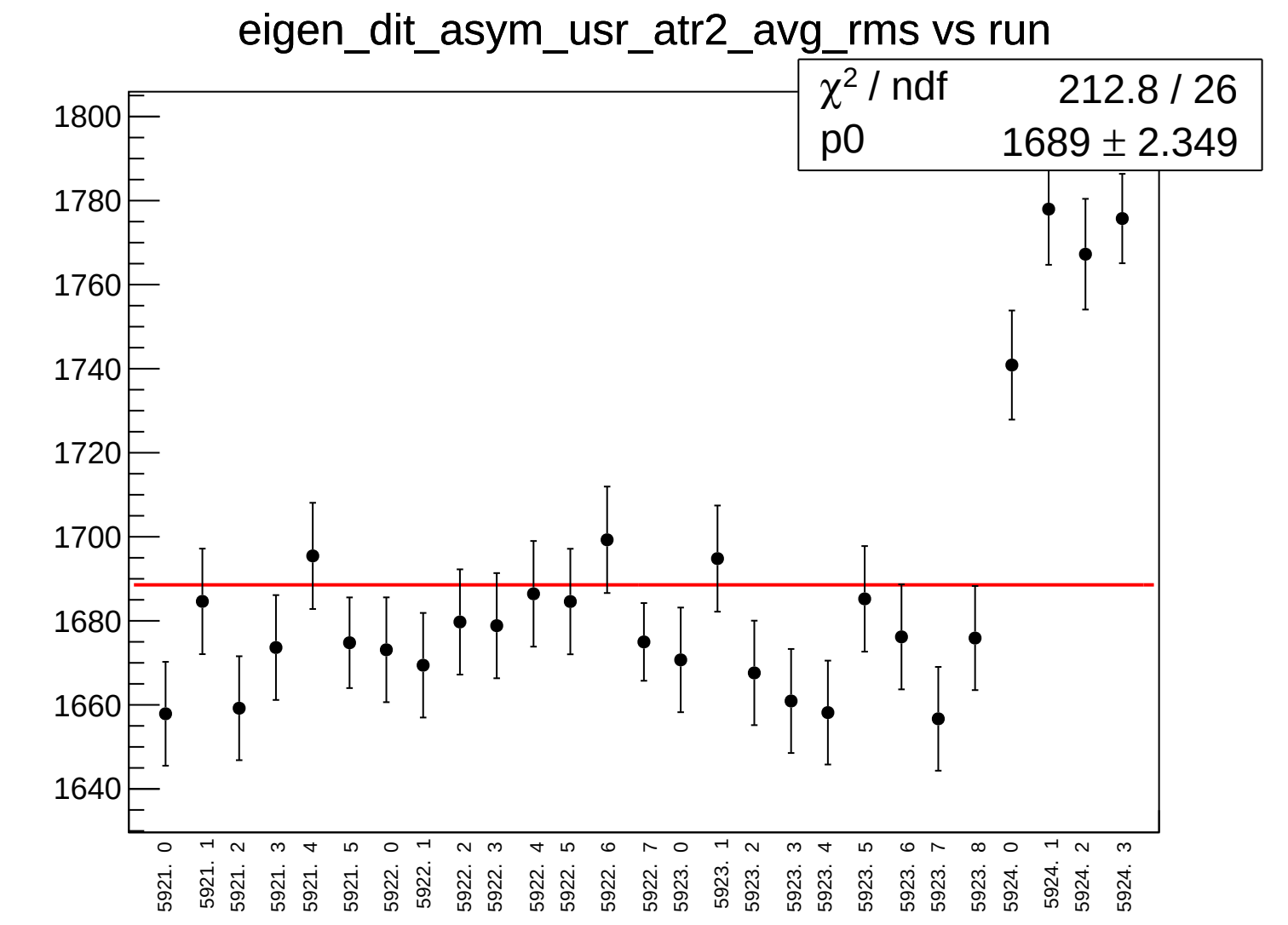

asym_usr_atr2_avg_dit_correction_mean vs run
×10^3
χ^2 / ndf 28.89 / 26
p0 8185 ± 9906
150
100
50
0
−50
−100
−150
−200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 133.1
Std Dev 0
2
1
0
−1
−2

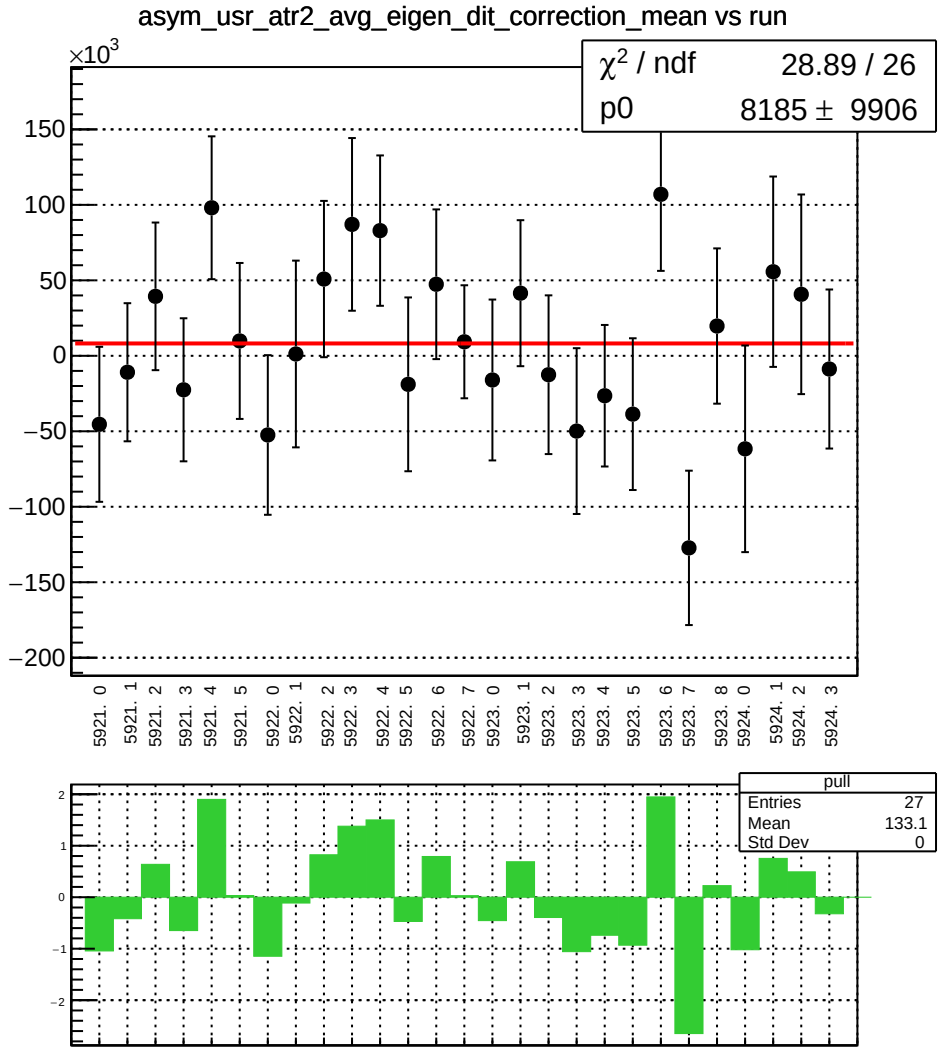

pull1D
Entries 27
Mean −0.007464
Std Dev 1.034
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

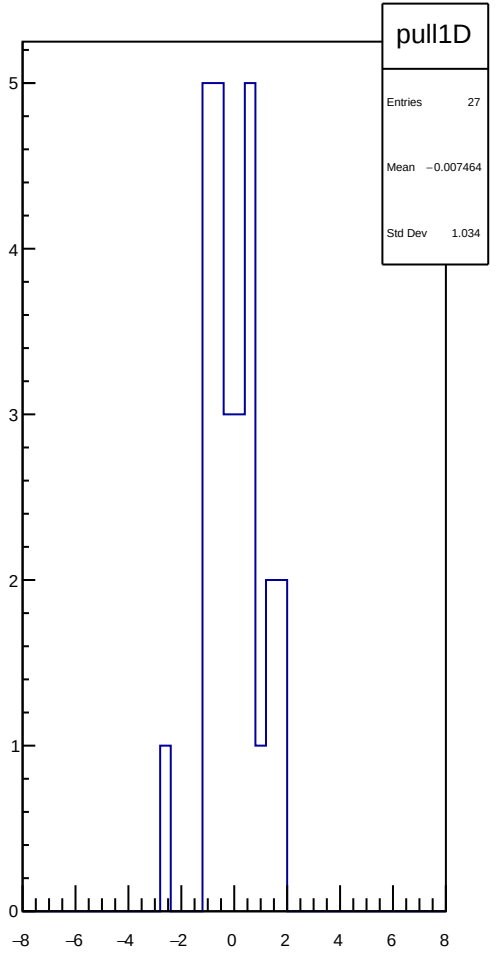

asym_usr_atr2_avg_dit_correction_rms vs run
χ² / ndf 5960 / 26
p0 5008 ± 7.004
6500
6000
5500
5000
4500
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

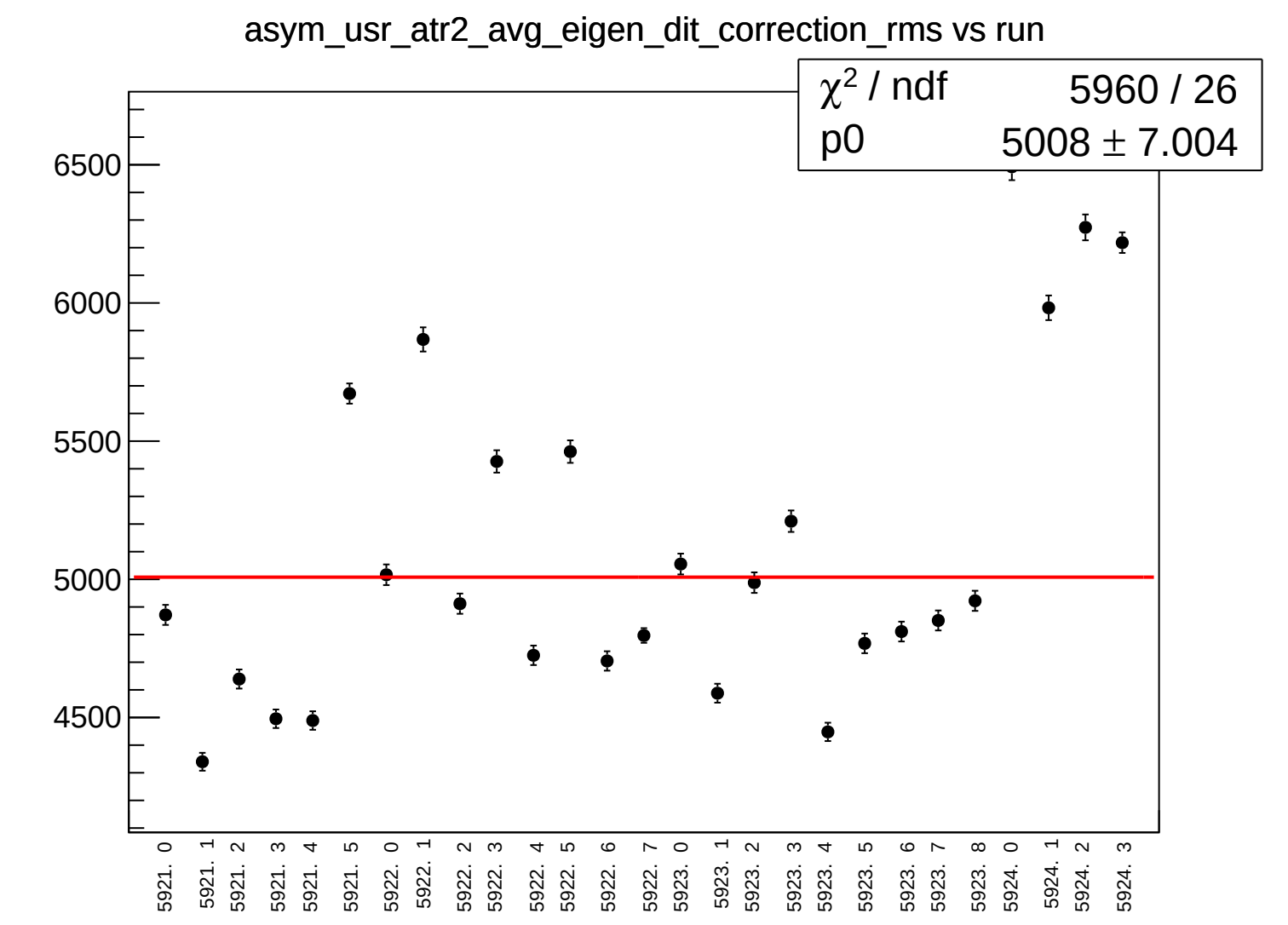

eigen_dit_asym_usr_atr2_avg_mean vs run
χ² / ndf 22.86 / 26
p0 1055 ± 3321
60000
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −95.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

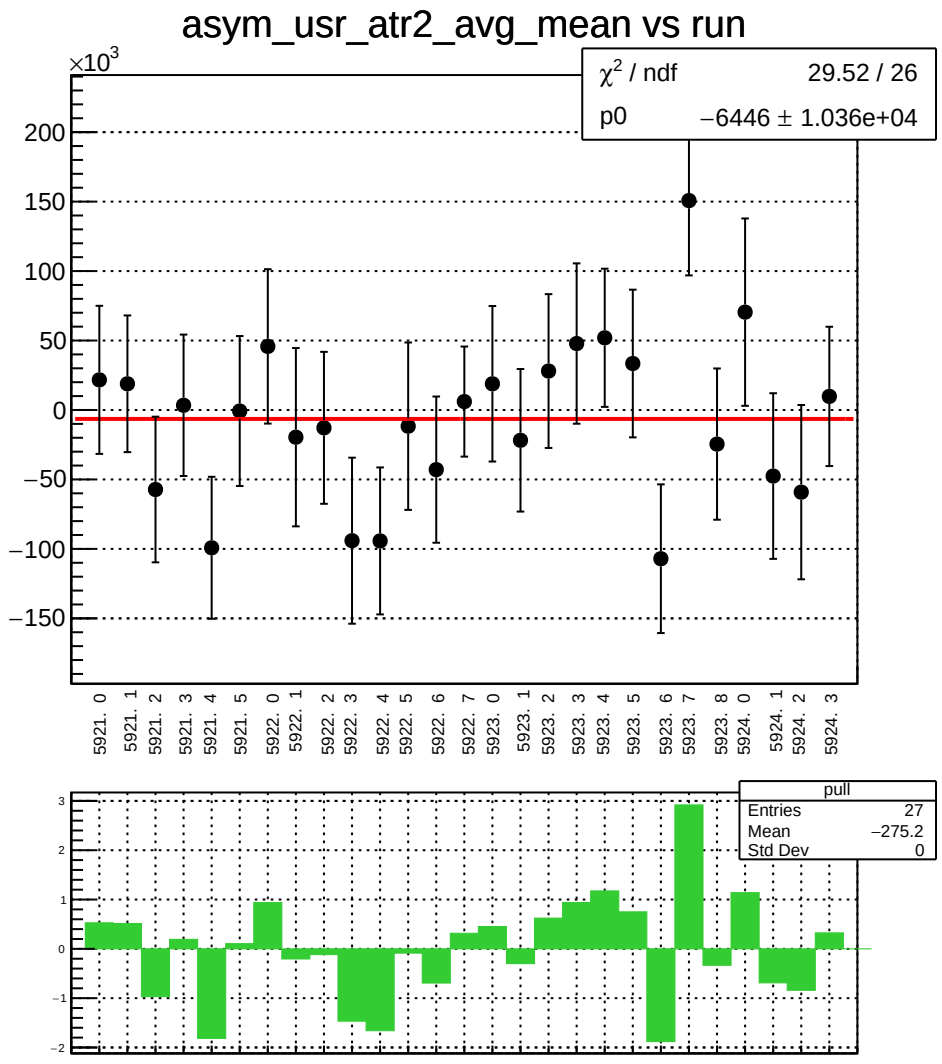

pull1D
Entries 27
Mean −0.01766
Std Dev 0.9199
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

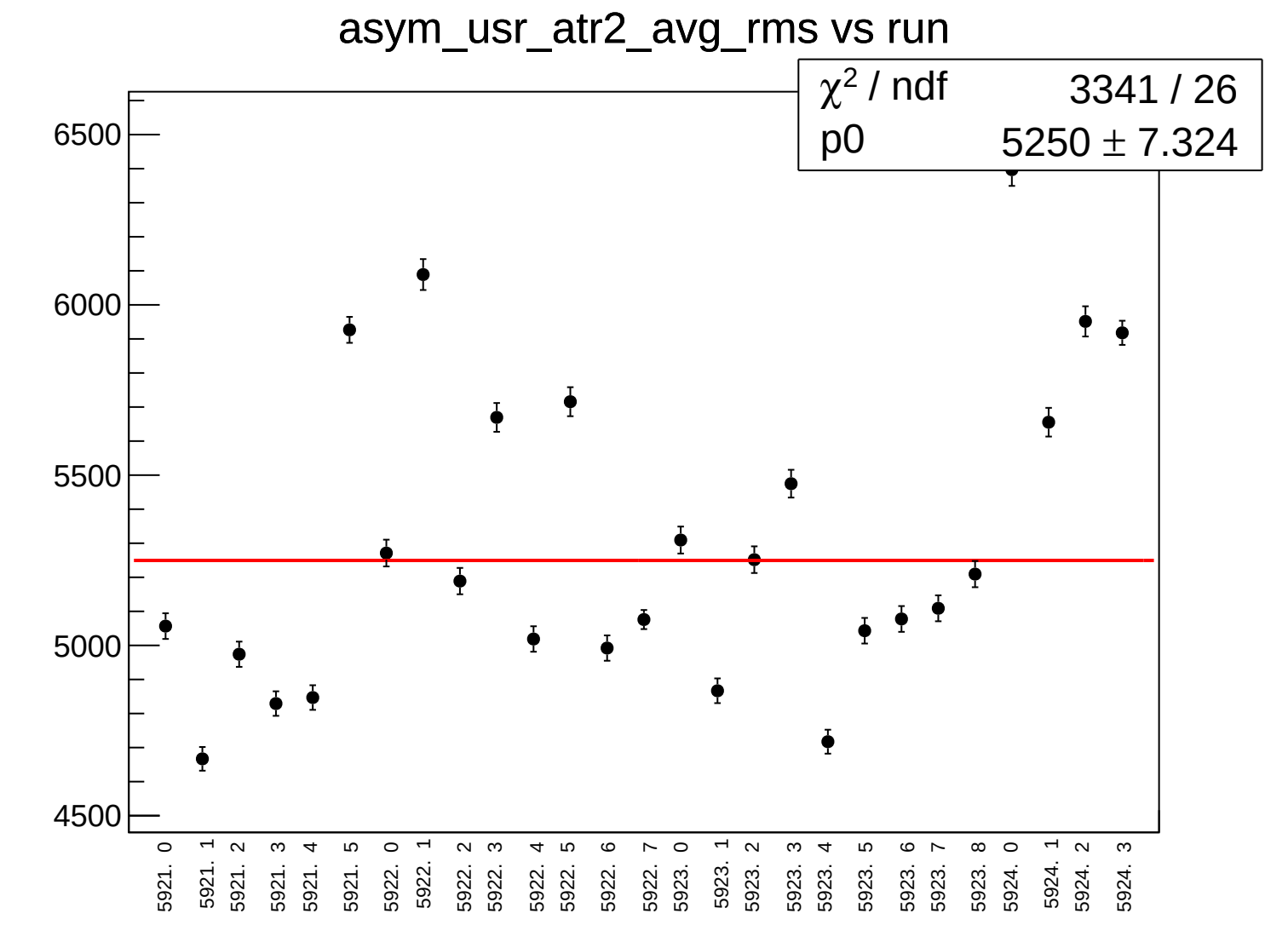

eigen_dit_asym_usr_atr2_avg_rms vs run
χ² / ndf 212.8 / 26
p0 1689 ± 2.349
1800
1780
1760
1740
1720
1700
1680
1660
1640
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

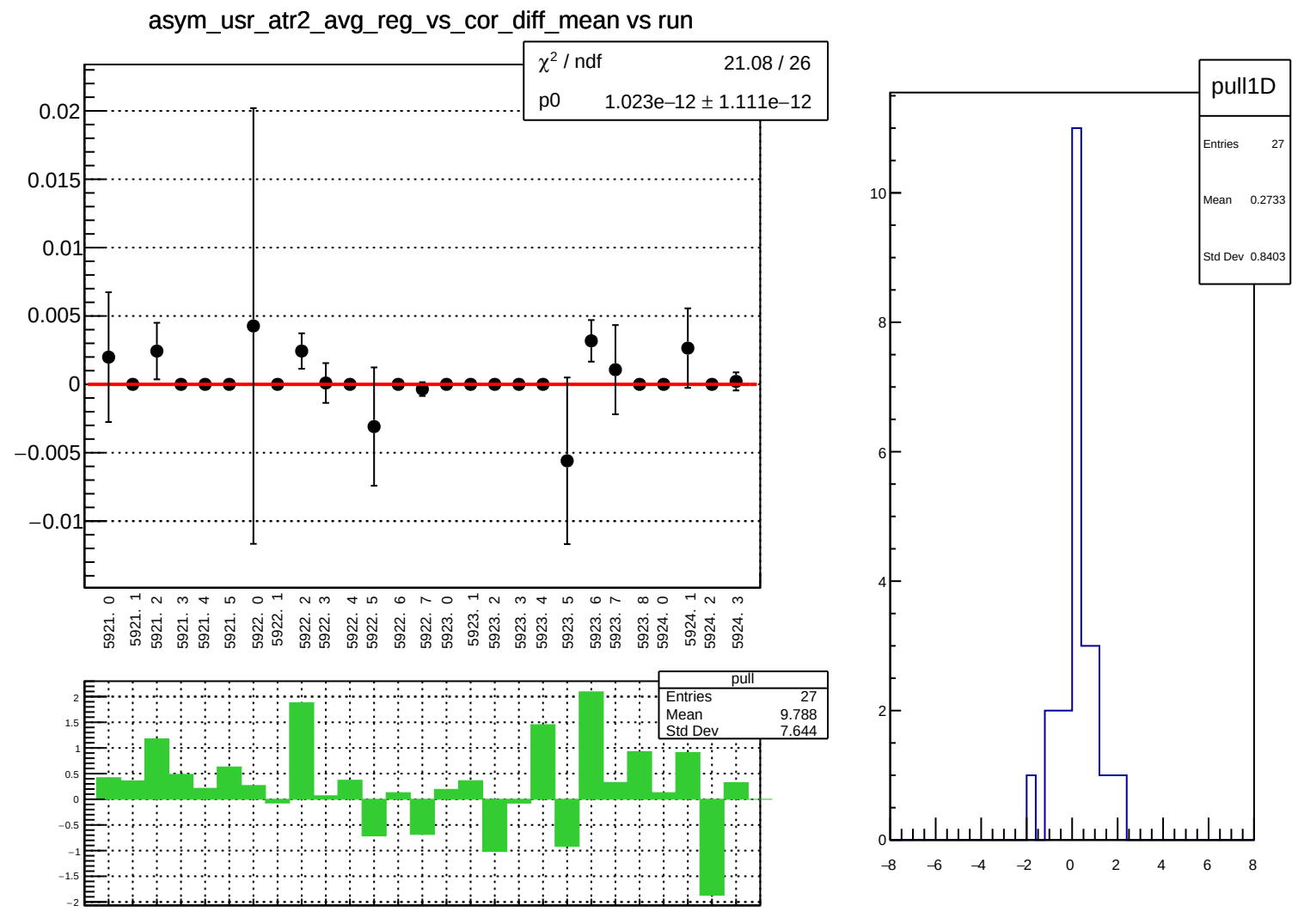

asym_usr_atr2_avg_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 28.89 / 26
p0 8185 ± 9906
150
100
50
0
−50
−100
−150
−200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 133.1
Std Dev 0
2
1
0
−1
−2

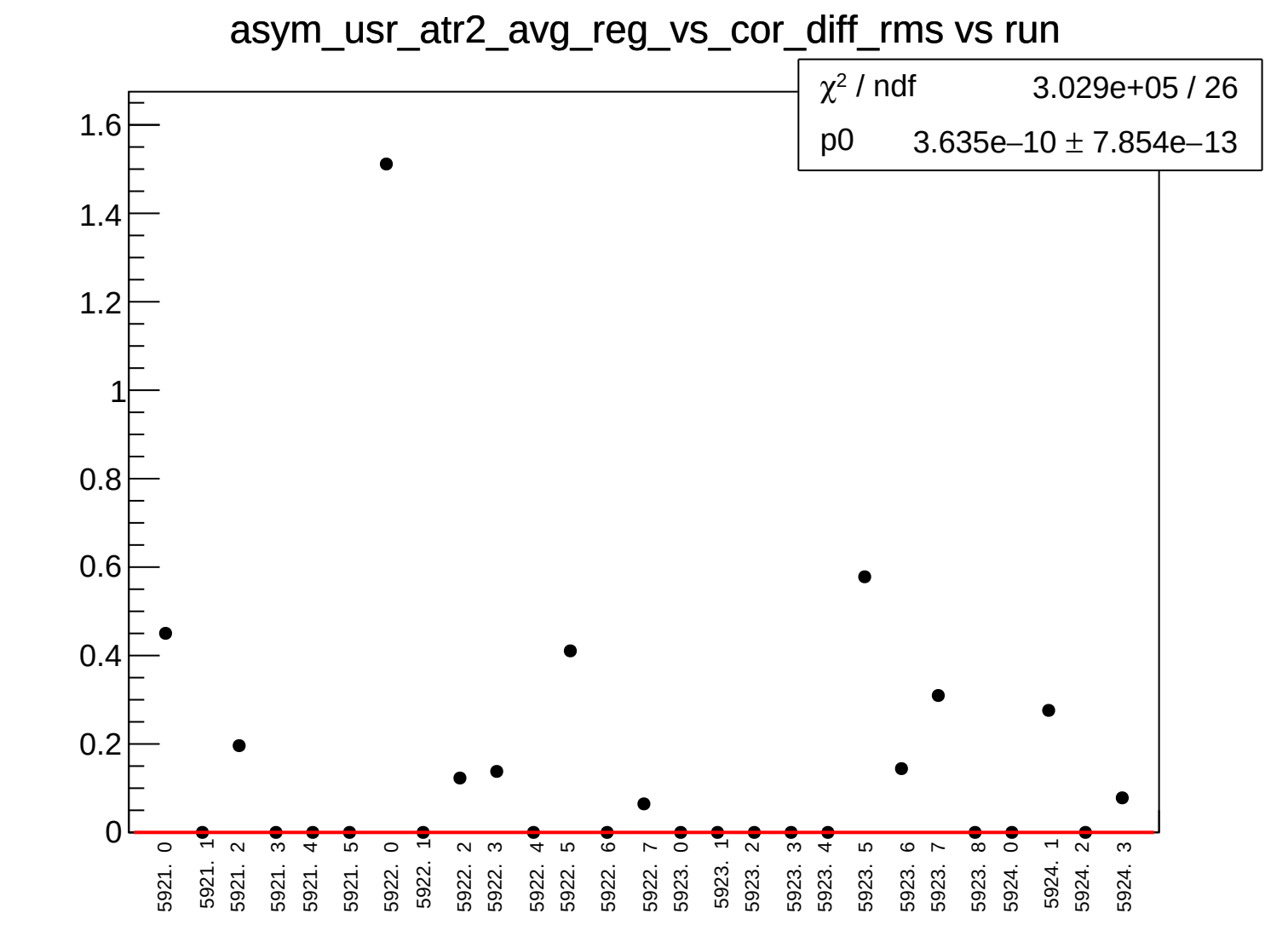

pull1D
Entries 27
Mean −0.007464
Std Dev 1.034
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

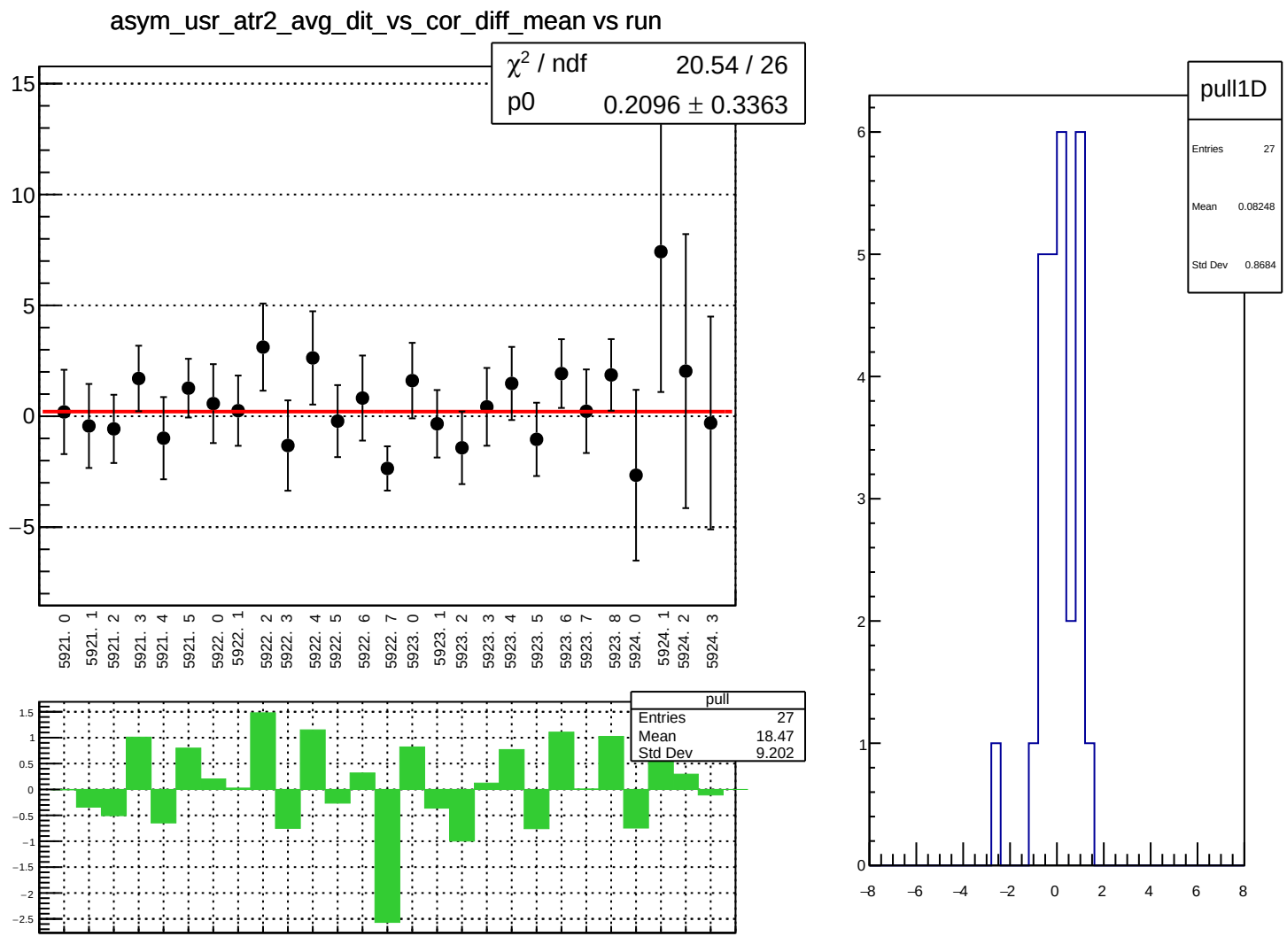

asym_usr_atr2_avg_eigen_dit_correction_rms vs run
χ² / ndf 5960 / 26
p0 5008 ± 7.004
6500
6000
5500
5000
4500
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

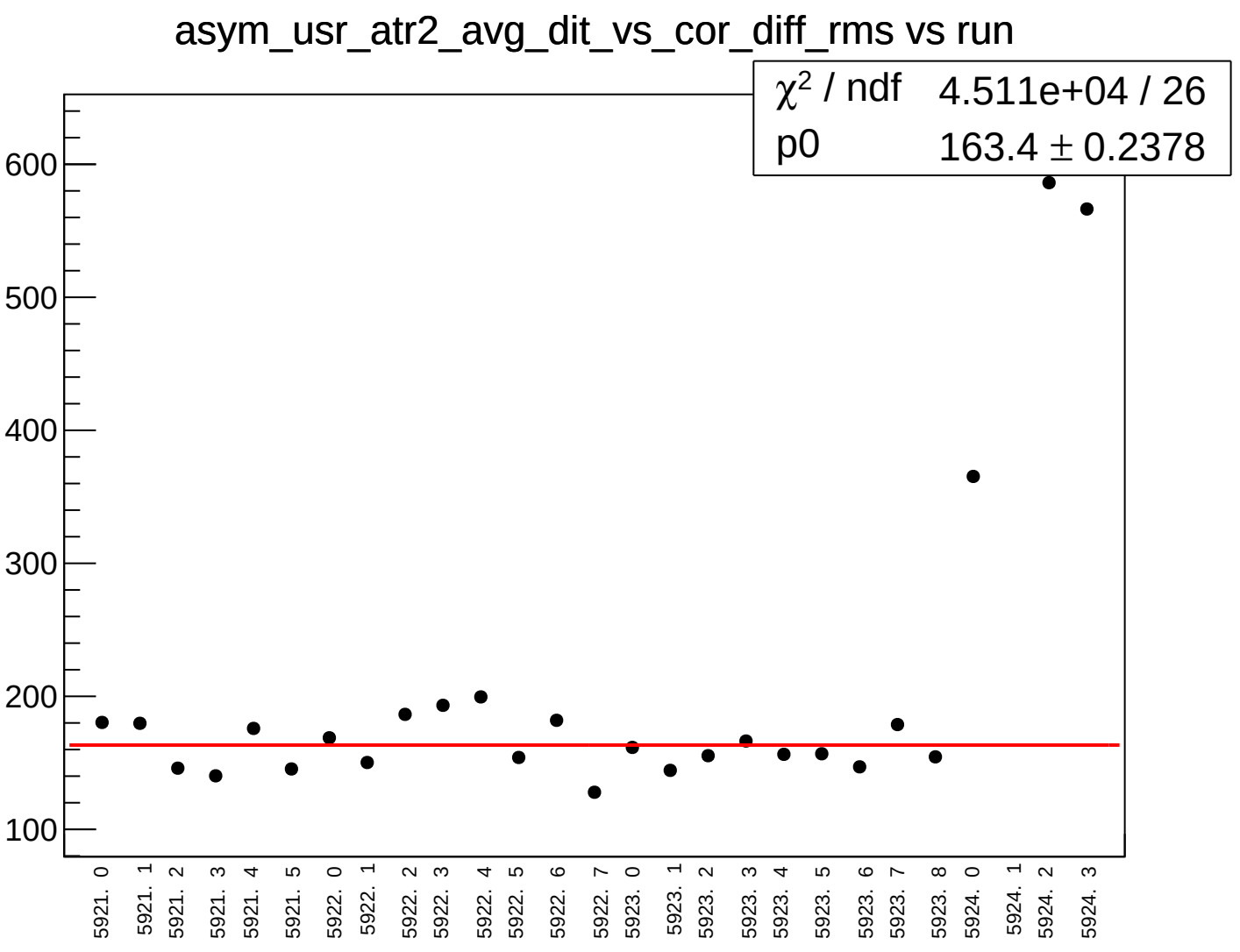

asym_usr_atr2_avg_mean vs run
×10^3
χ² / ndf 29.52 / 26
p0 −6446 ± 1.036e+04
200
150
100
50
0
−50
−100
−150
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −275.2
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 27
Mean −0.00502
Std Dev 1.046
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

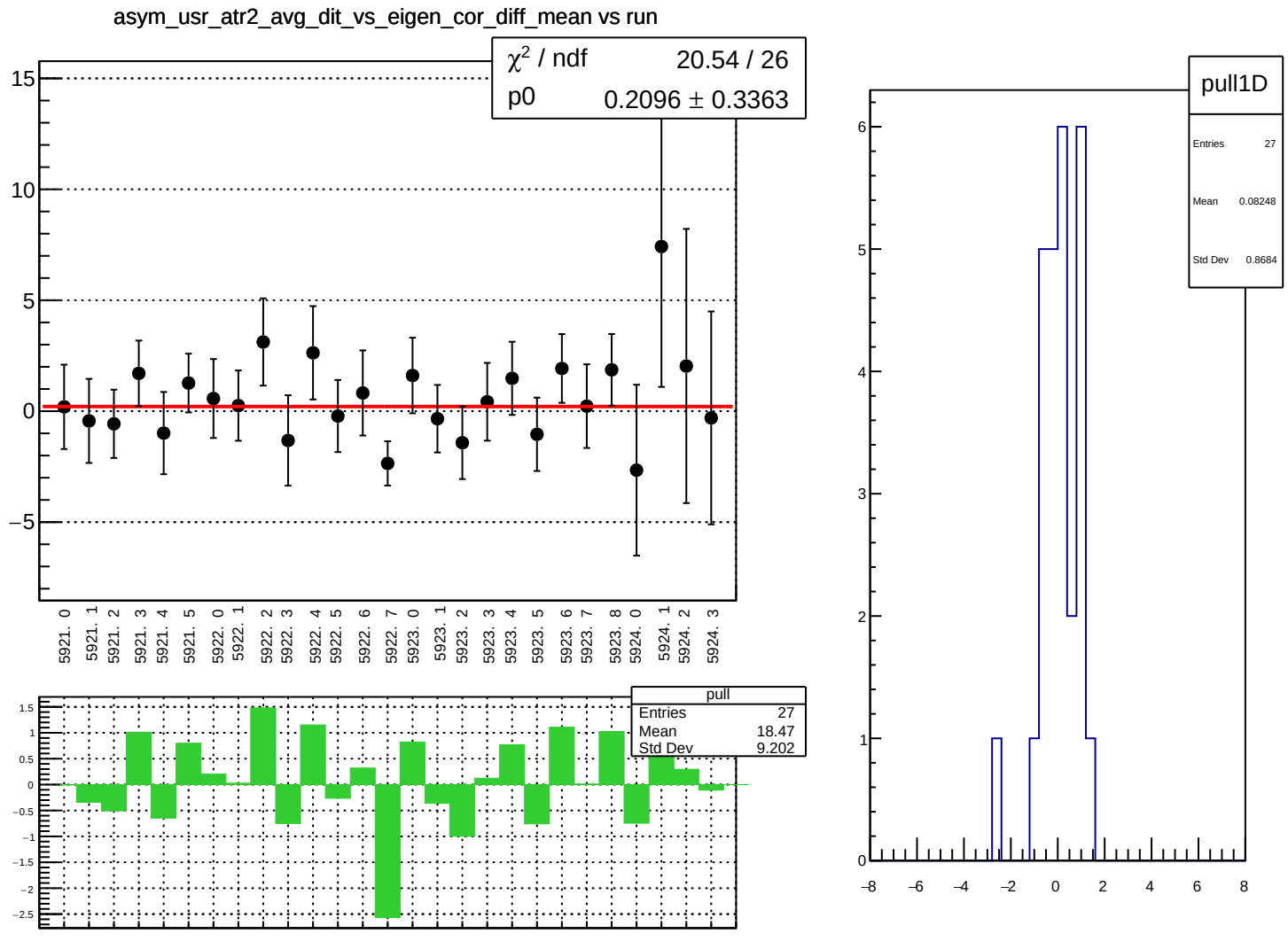

asym_usr_atr2_avg_rms vs run
χ² / ndf 3341 / 26
p0 5250 ± 7.324
6500
6000
5500
5000
4500
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

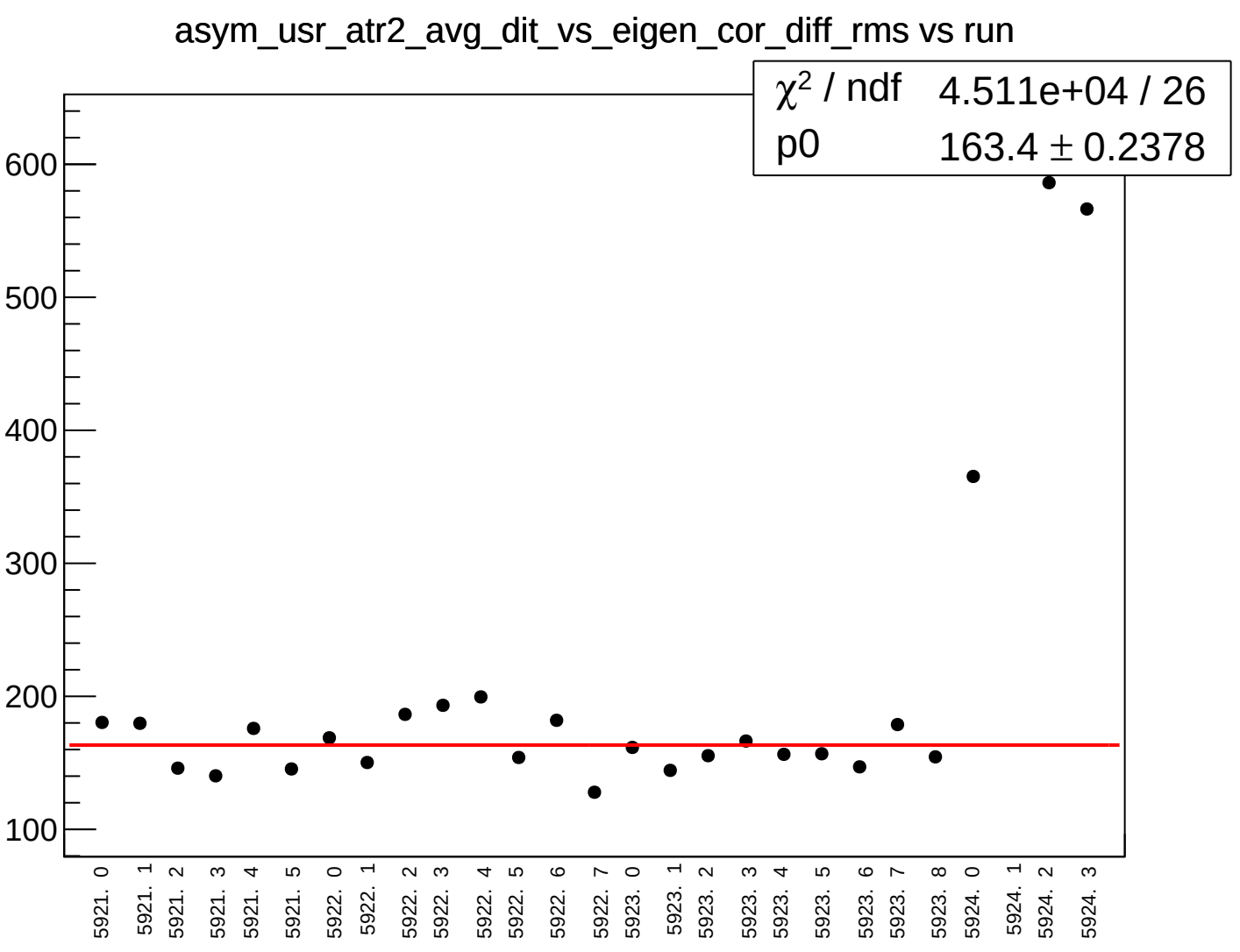

asym_usr_atr2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 21.08 / 26
p0 1.023e−12 ± 1.111e−12
0.02
0.015
0.01
0.005
0
−0.005
−0.01
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 9.788
Std Dev 7.644
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean 0.2733
Std Dev 0.8403
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

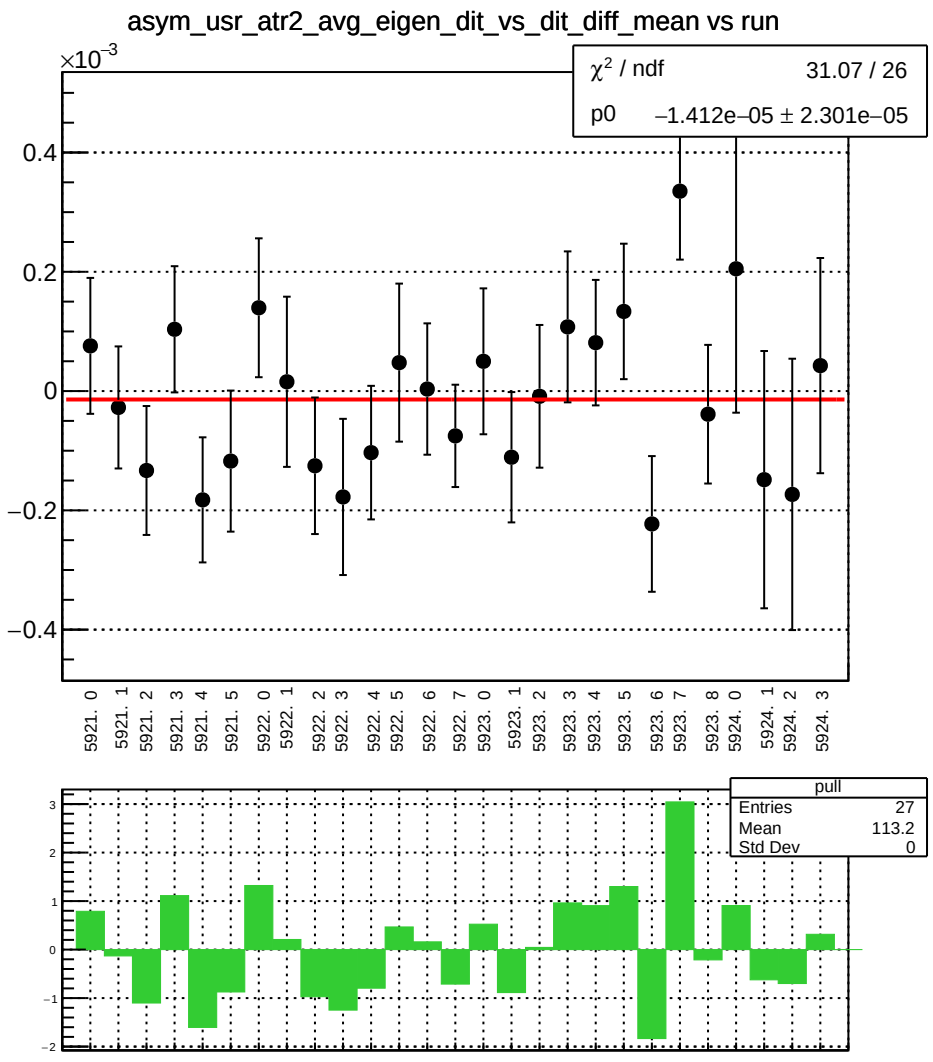

asym_usr_atr2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.029e+05 / 26
p0 3.635e−10 ± 7.854e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

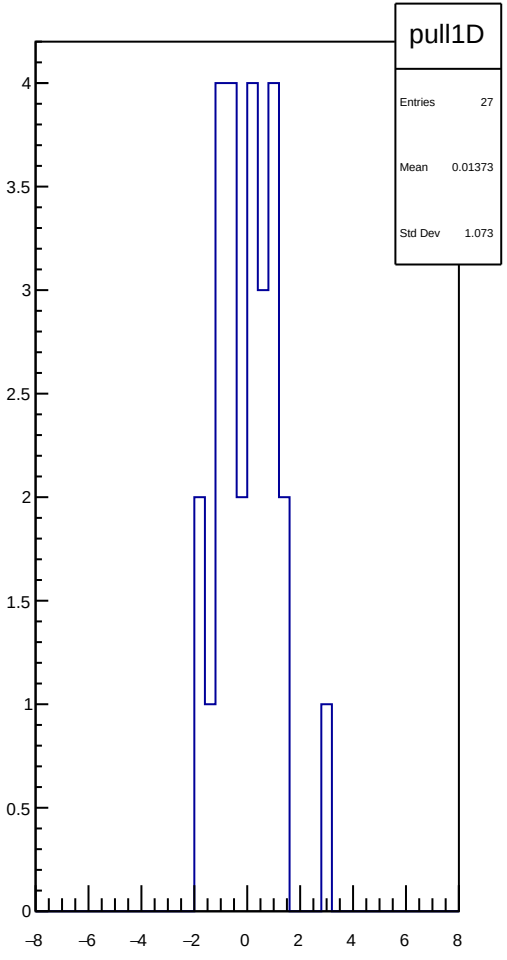

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 20.54 / 26
p0 0.2096 ± 0.3363
15
10
5
0
−5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 18.47
Std Dev 9.202
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean 0.08248
Std Dev 0.8684
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

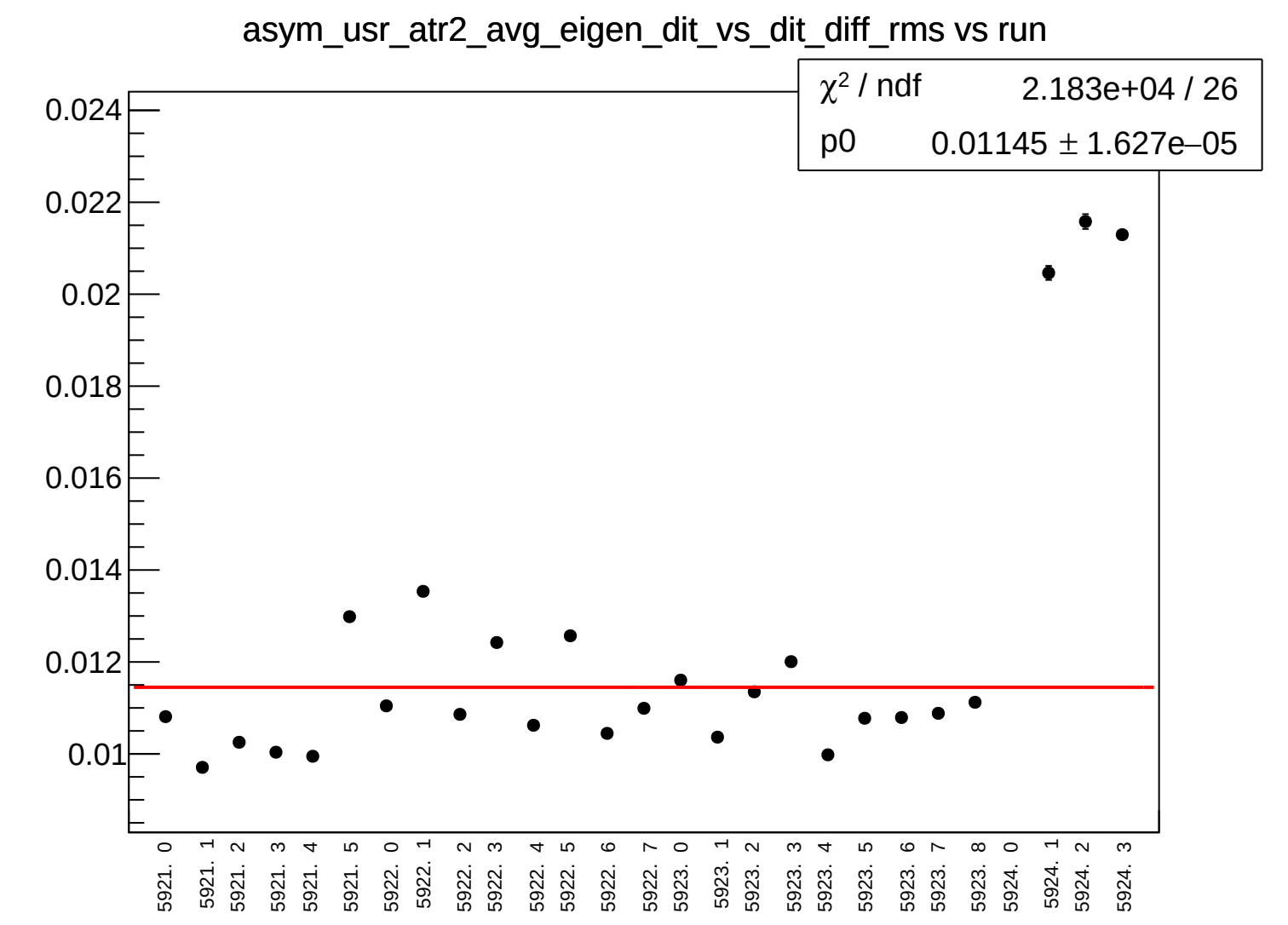

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.511e+04 / 26
p0 163.4 ± 0.2378
600
500
400
300
200
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

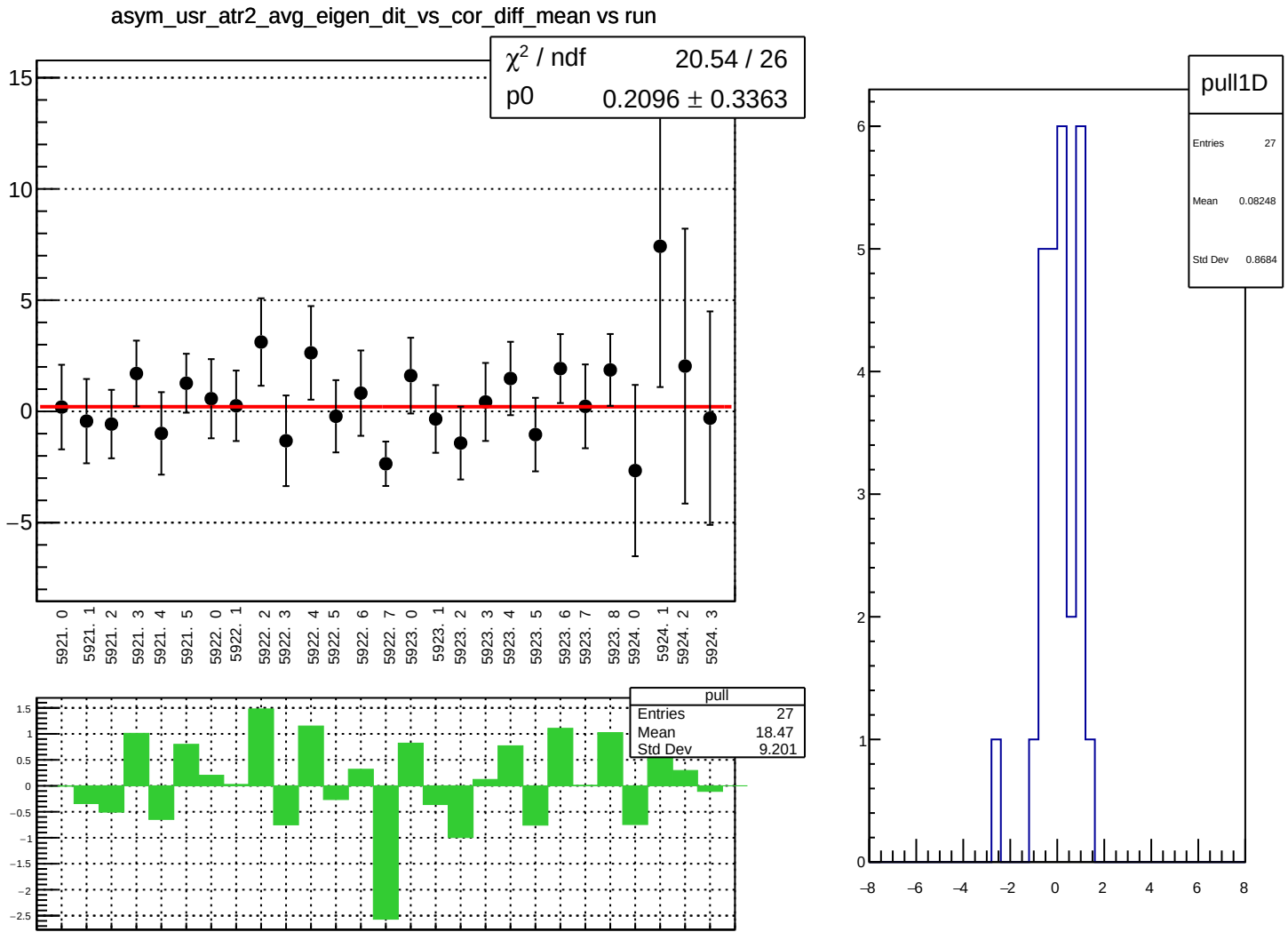

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 20.54 / 26
p0 0.2096 ± 0.3363
15
10
5
0
−5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 18.47
Std Dev 9.202
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean 0.08248
Std Dev 0.8684
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

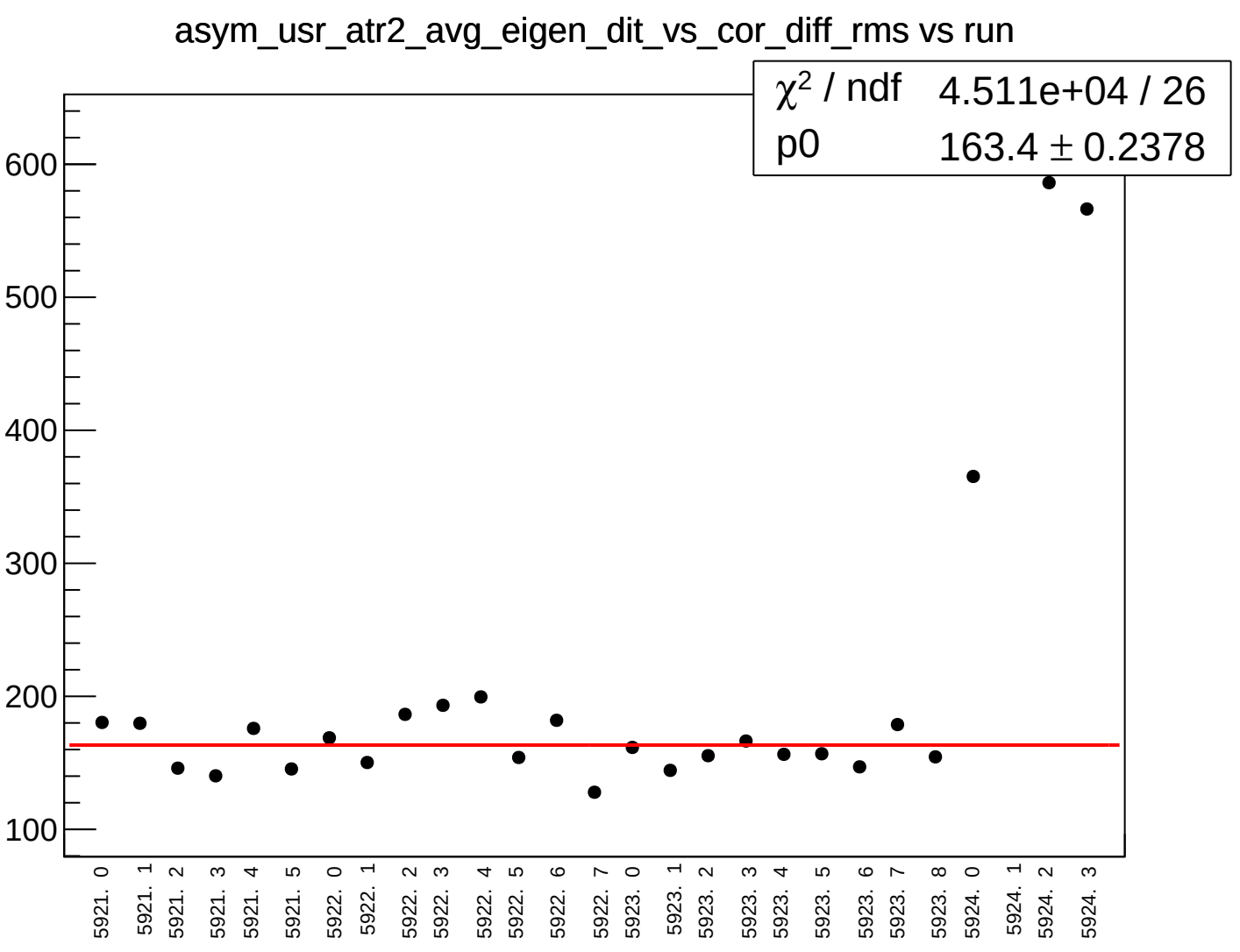

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.511e+04 / 26
p0 163.4 ± 0.2378
600
500
400
300
200
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

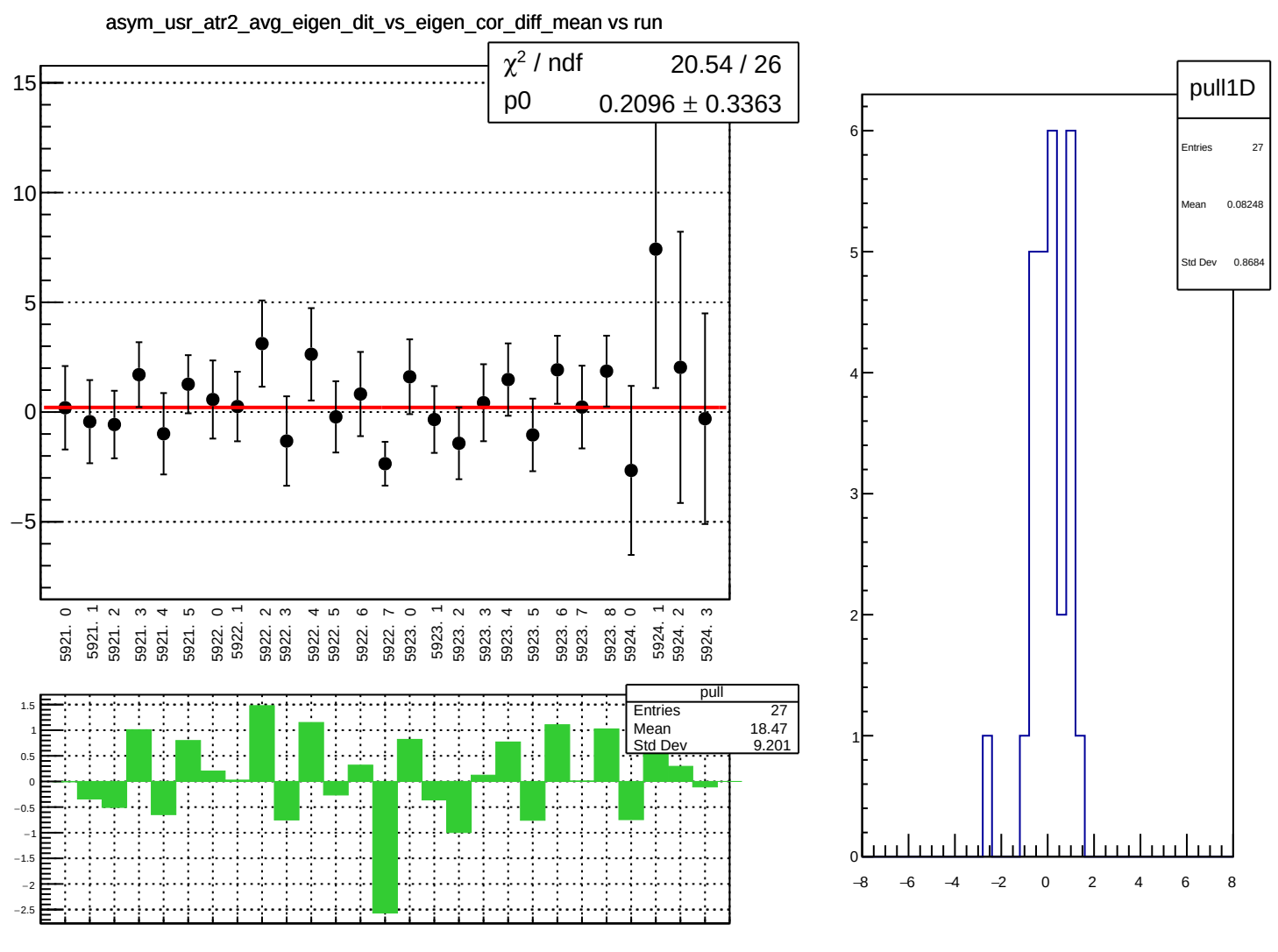

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 31.07 / 26
p0 −1.412e−05 ± 2.301e−05
0.4
0.2
0
−0.2
−0.4
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 113.2
Std Dev 0
3
2
1
0
−1
−2

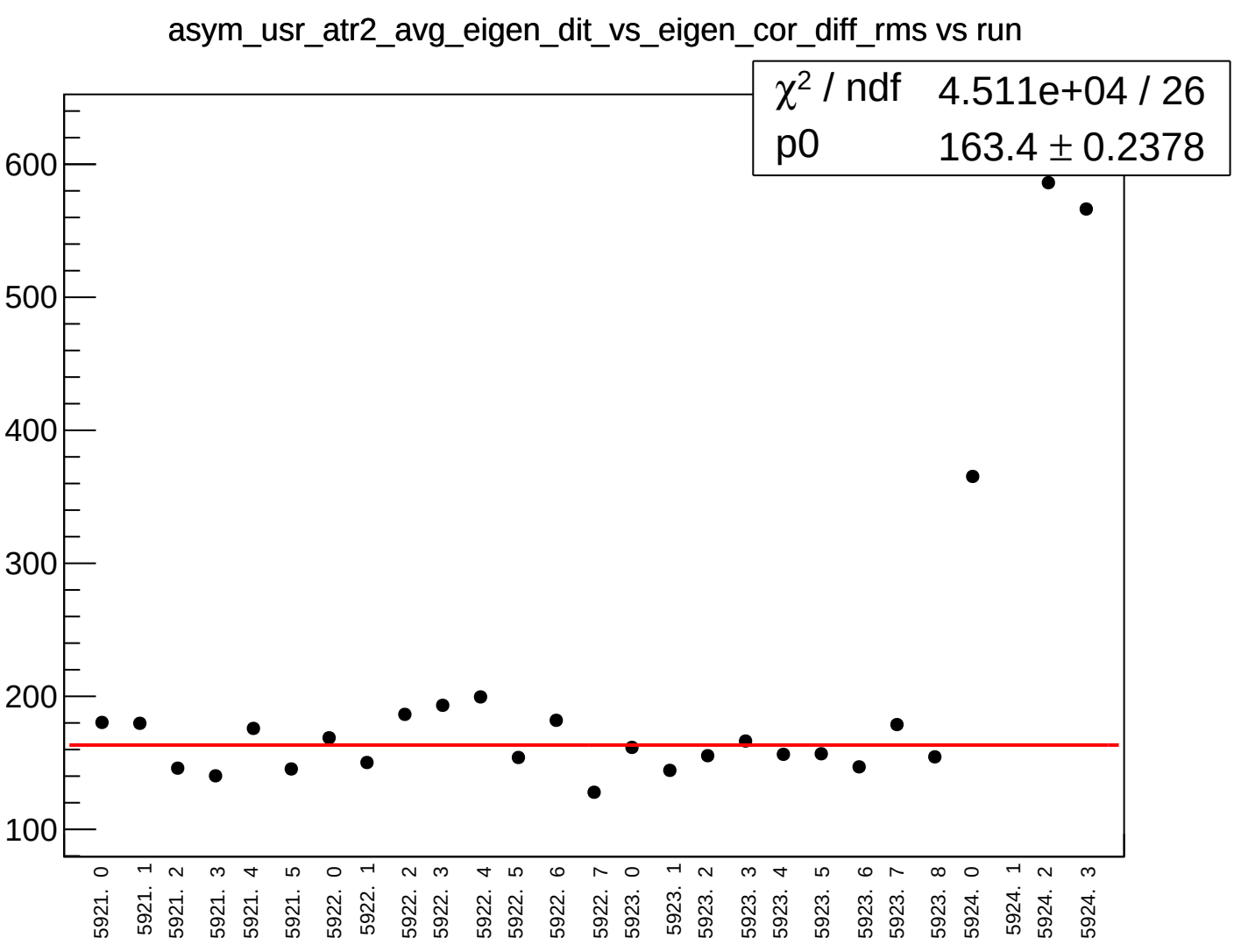

pull1D
Entries 27
Mean 0.01373
Std Dev 1.073
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

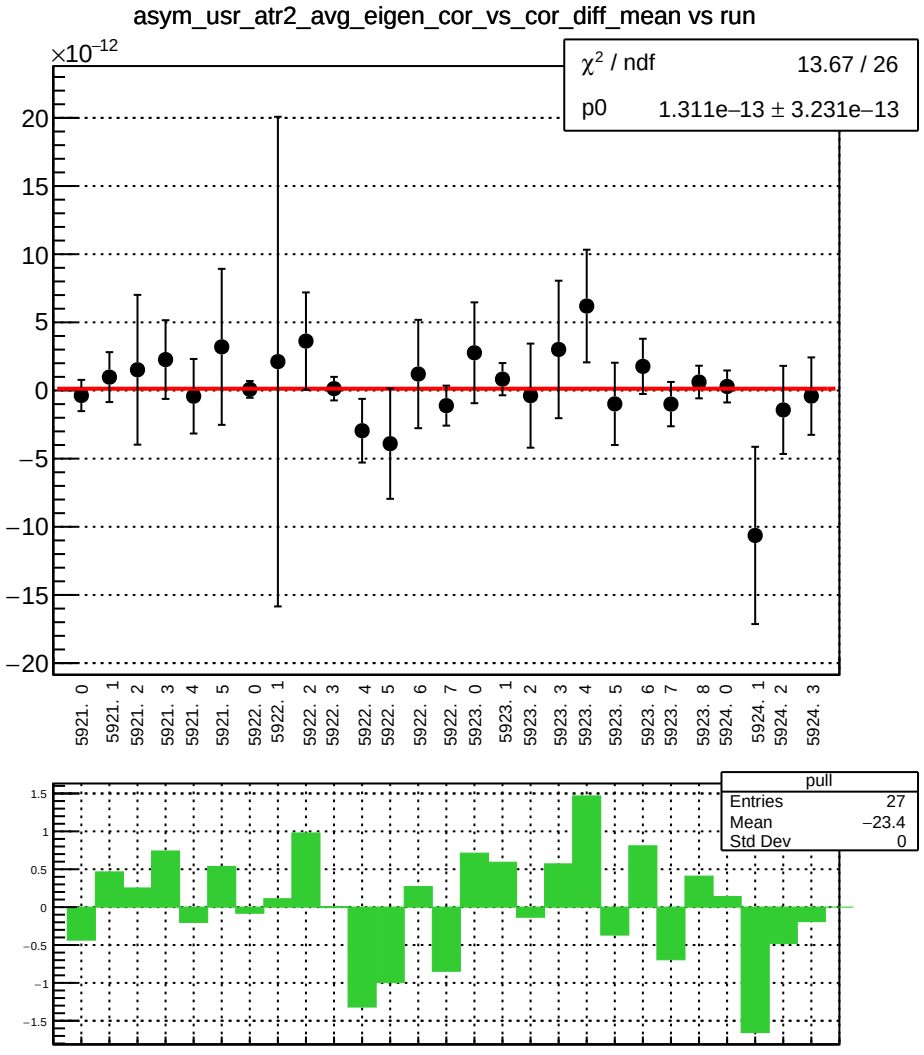

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.183e+04 / 26
p0 0.01145 ± 1.627e−05
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

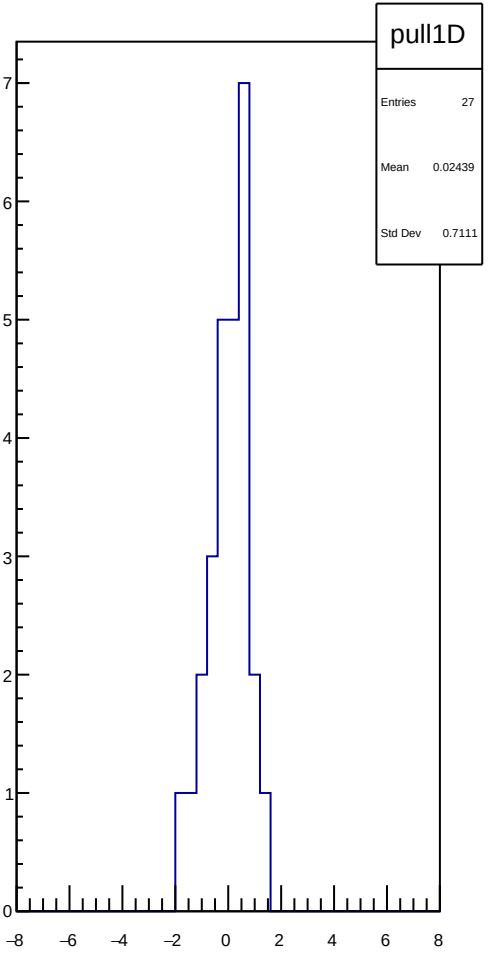

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 20.54 / 26
p0 0.2096 ± 0.3363
15
10
5
0
−5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 18.47
Std Dev 9.201
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean 0.08248
Std Dev 0.8684
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

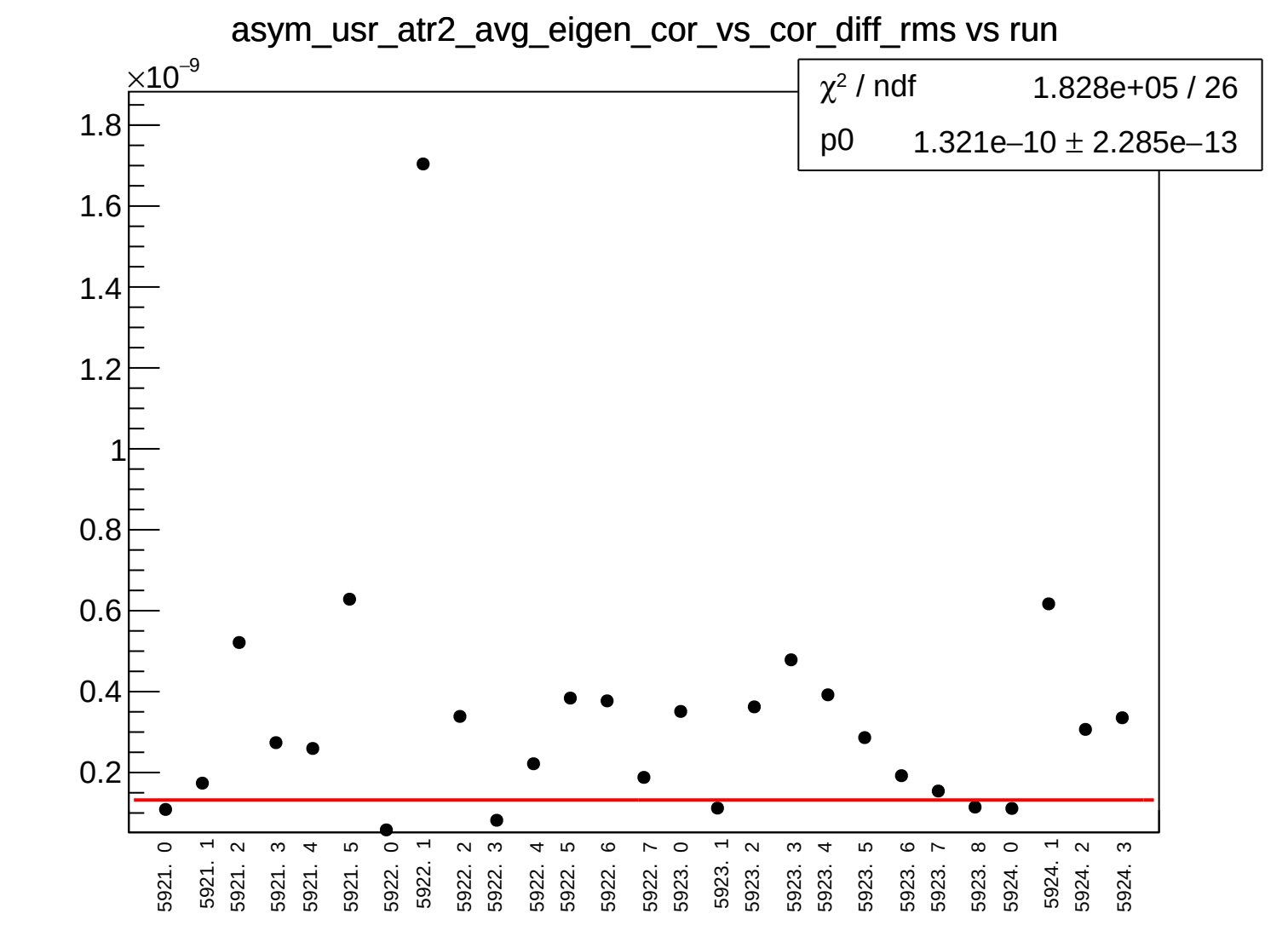

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.511e+04 / 26
p0 163.4 ± 0.2378
600
500
400
300
200
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

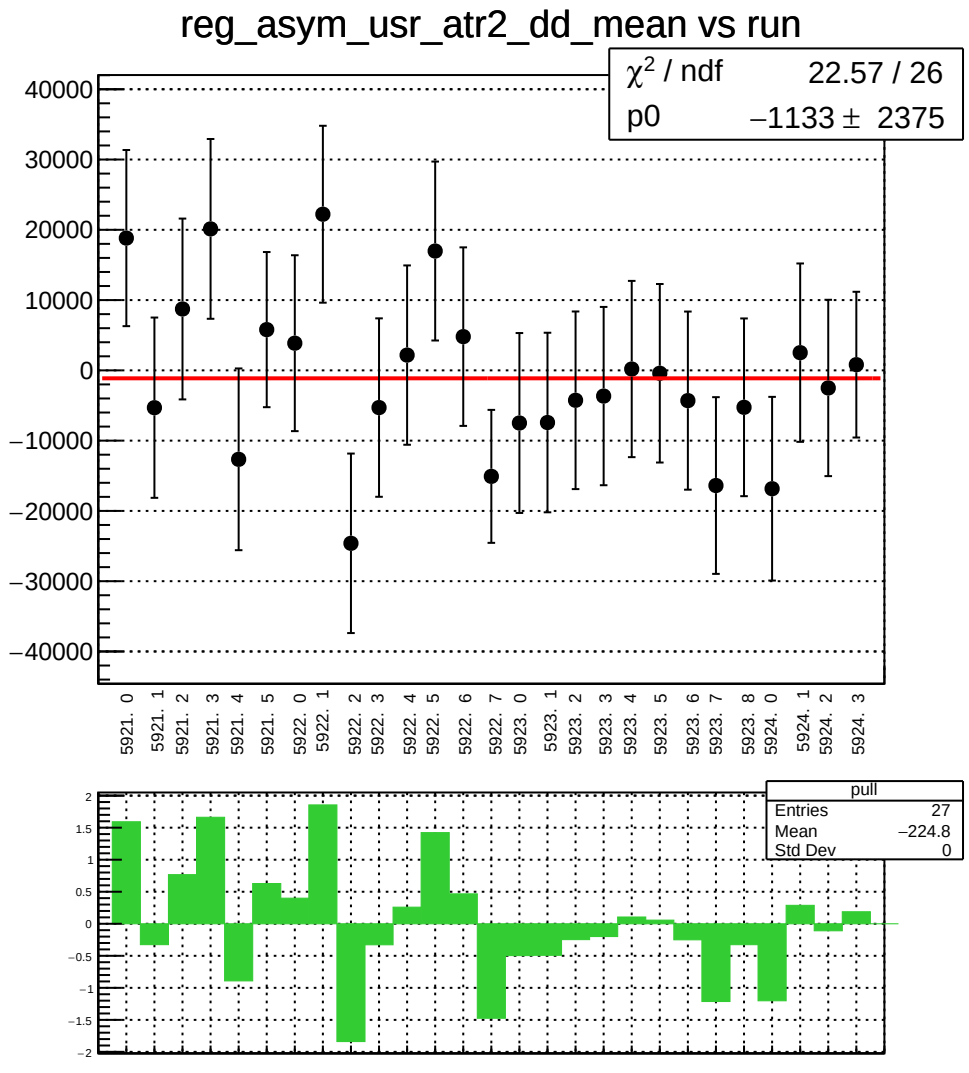

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 20.54 / 26
p0 0.2096 ± 0.3363
15
10
5
0
−5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 18.47
Std Dev 9.201
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean 0.08248
Std Dev 0.8684
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

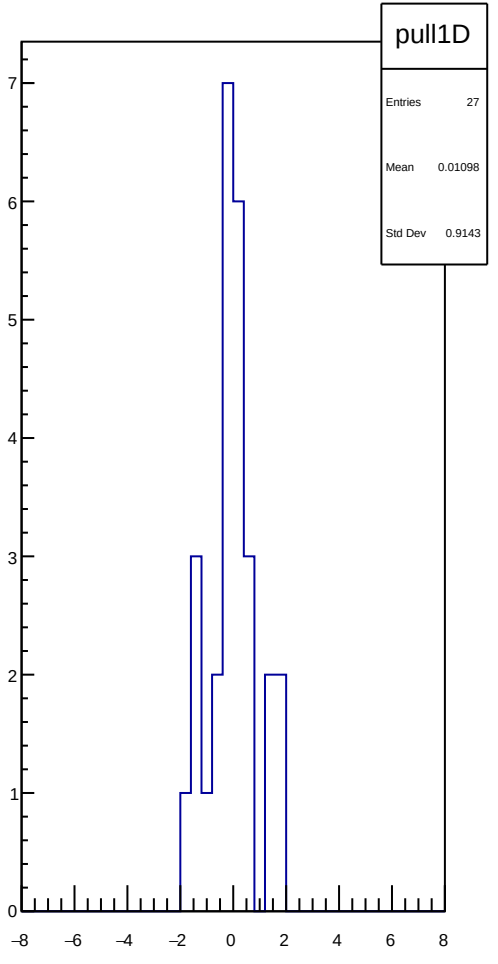

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.511e+04 / 26
p0 163.4 ± 0.2378
600
500
400
300
200
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

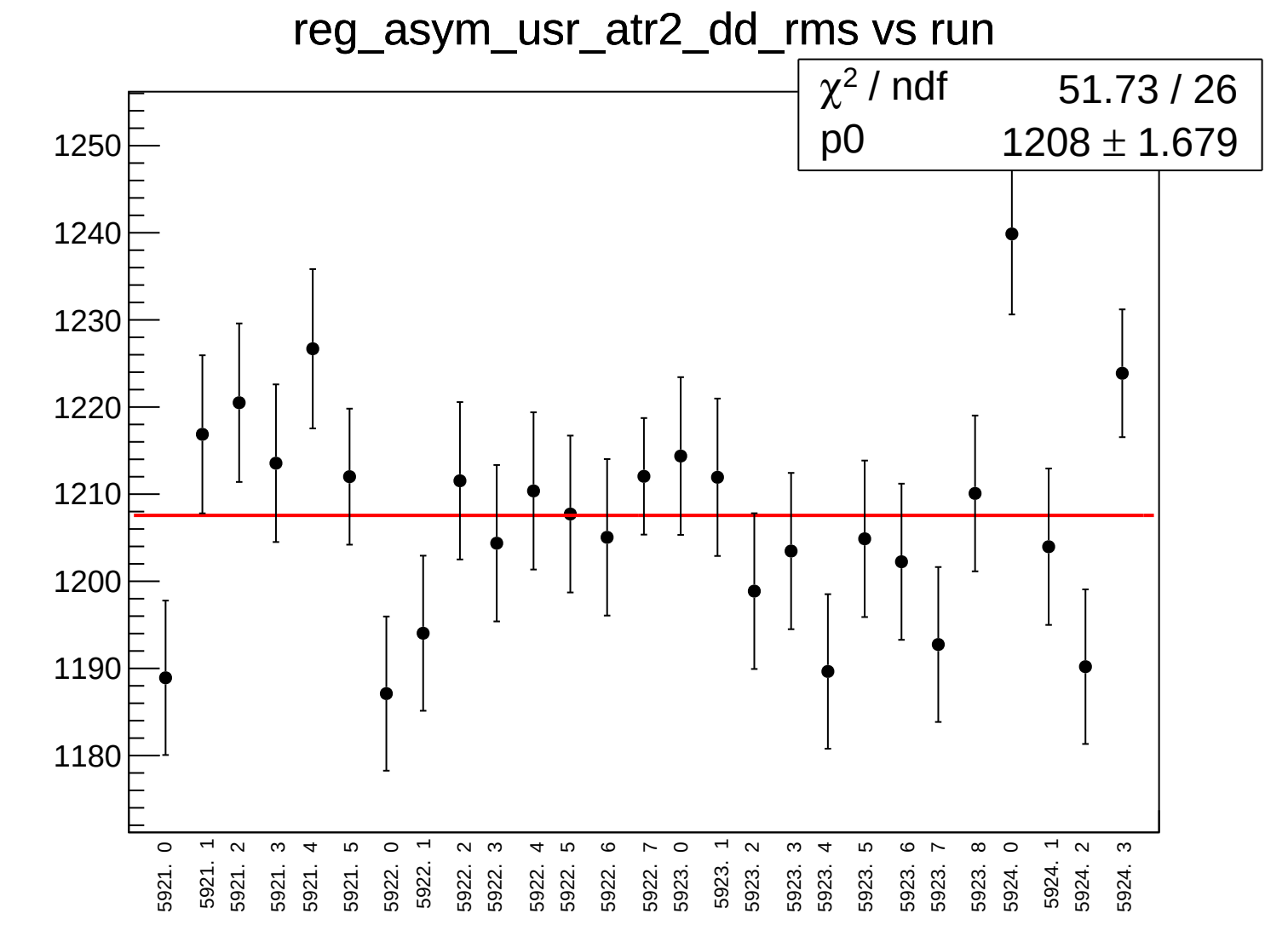

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 13.67 / 26
p0 1.311e−13 ± 3.231e−13
20
15
10
5
0
−5
−10
−15
−20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −23.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

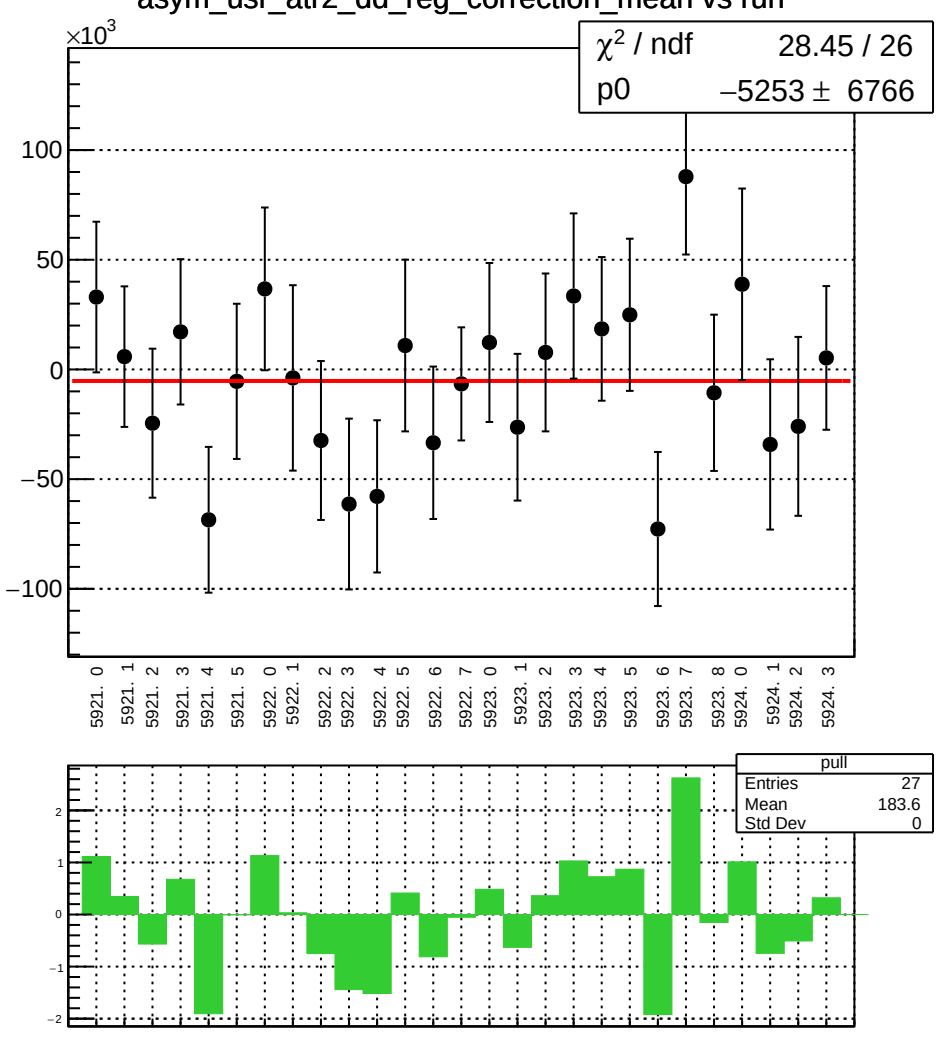

pull1D
Entries 27
Mean 0.02439
Std Dev 0.7111
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

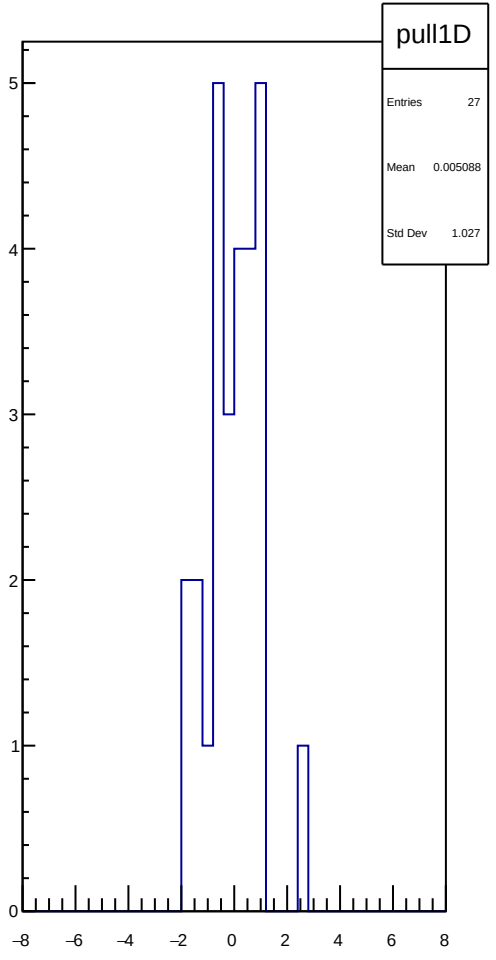

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.828e+05 / 26
p0 1.321e−10 ± 2.285e−13
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

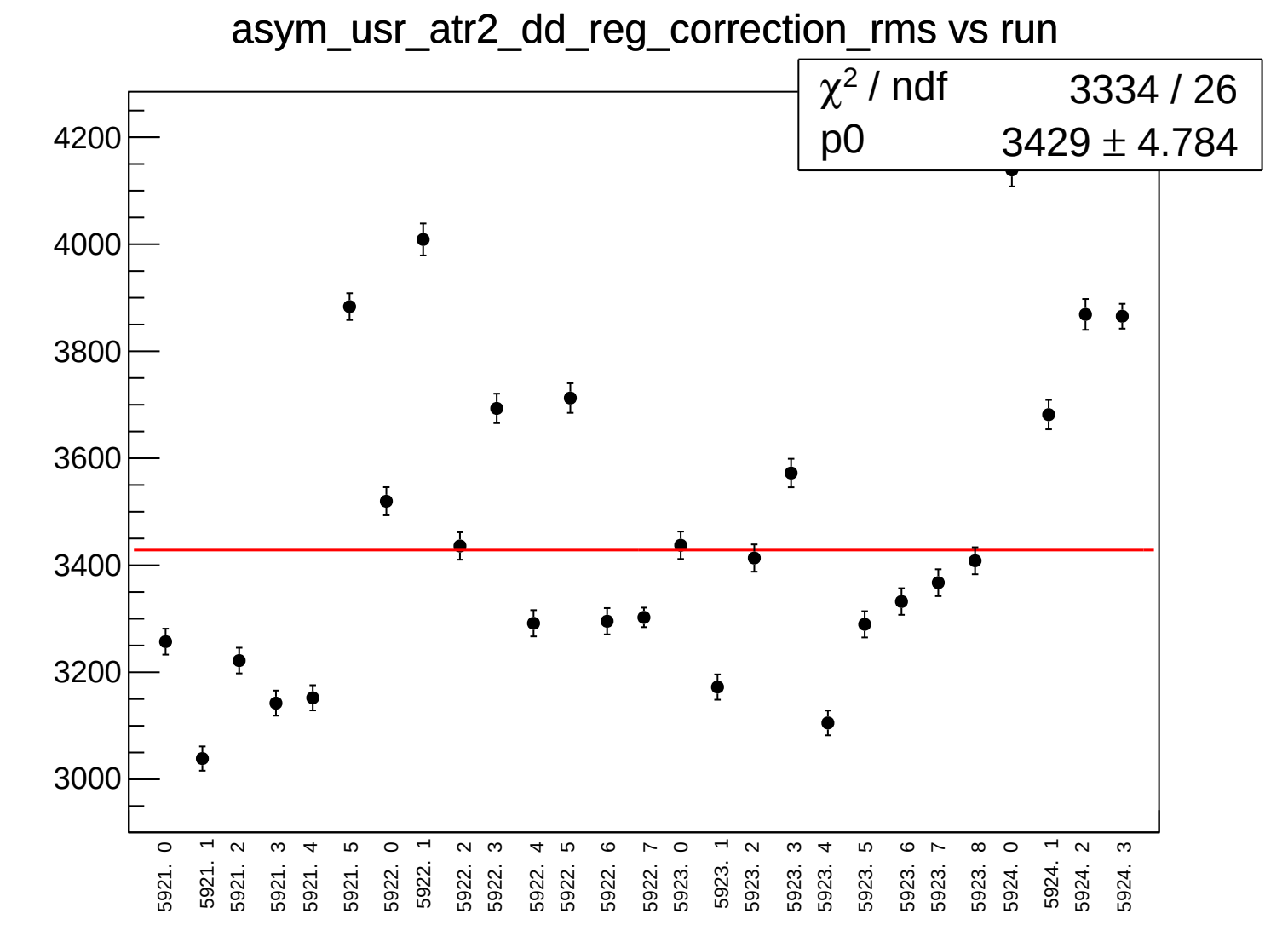

reg_asym_usr_atr2_dd_mean vs run
χ² / ndf 22.57 / 26
p0 −1133 ± 2375
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −224.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

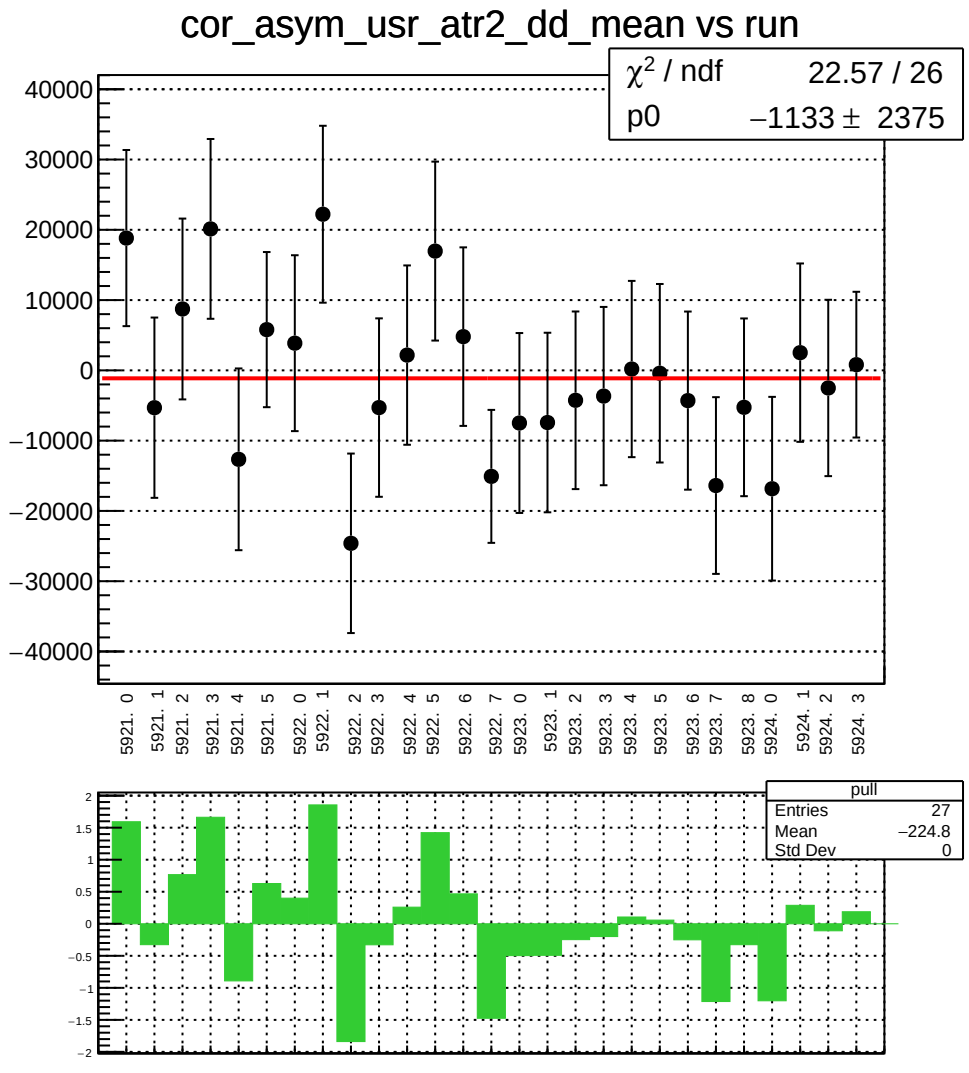

pull1D
Entries 27
Mean 0.01098
Std Dev 0.9143
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

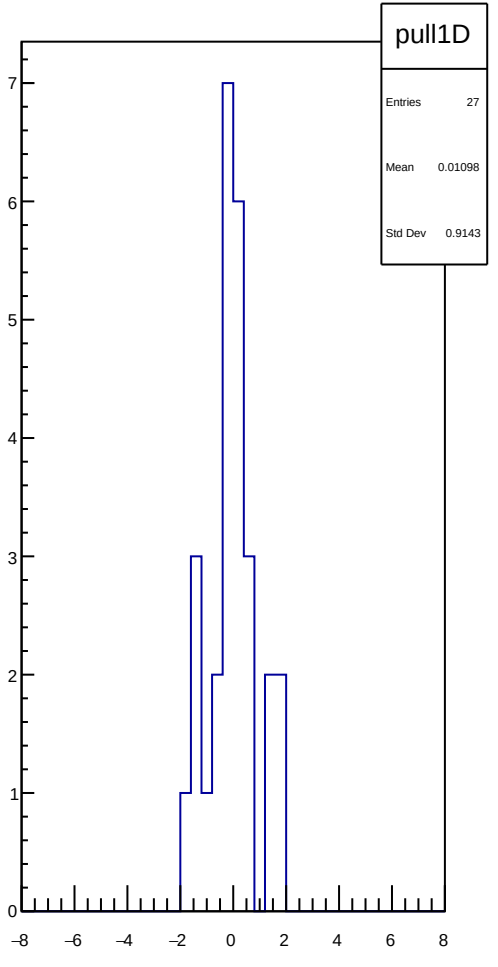

reg_asym_usr_atr2_dd_rms vs run
χ² / ndf 51.73 / 26
p0 1208 ± 1.679
1250
1240
1230
1220
1210
1200
1190
1180
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

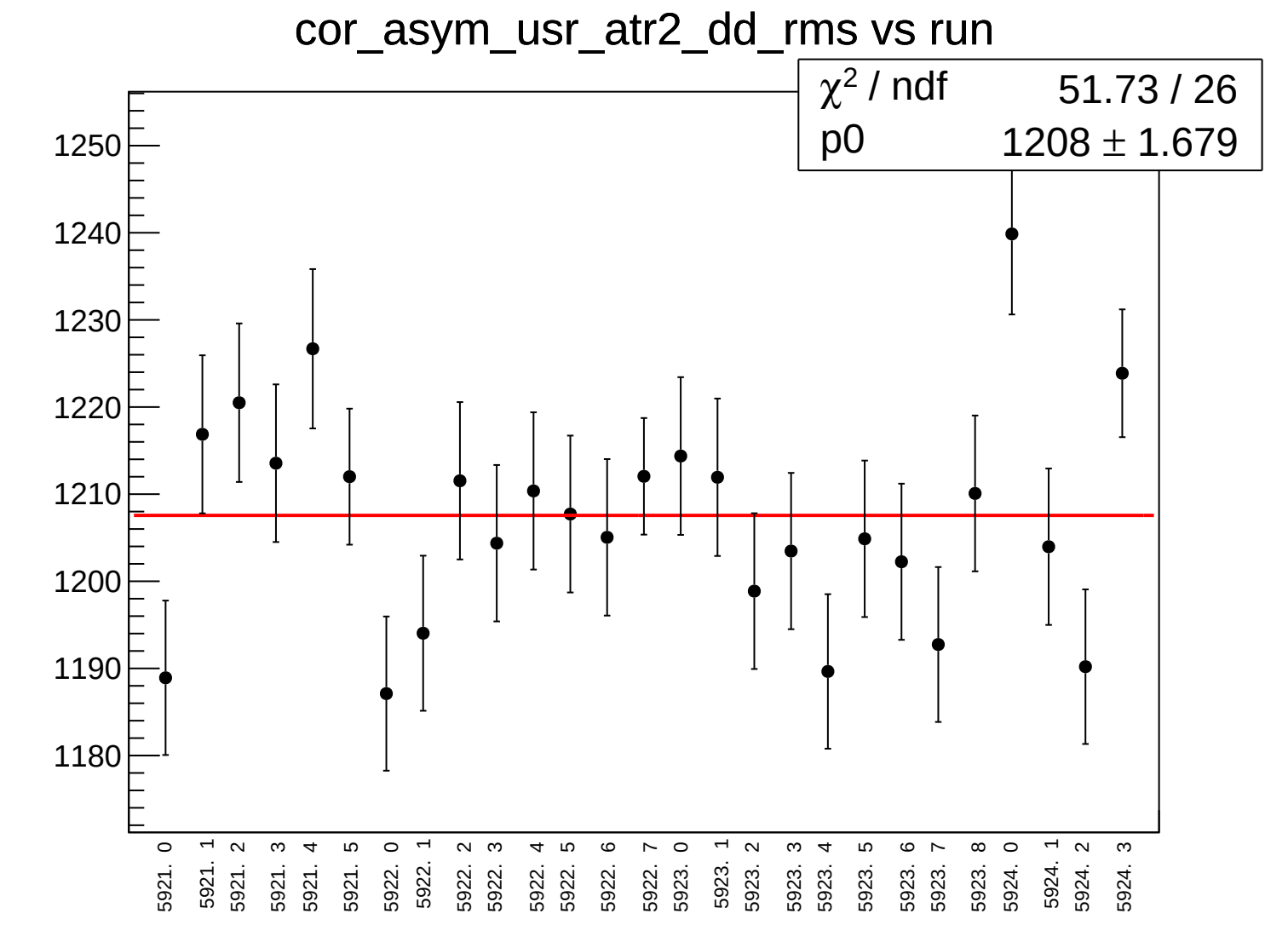

asym_usr_atr2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 28.45 / 26
p0 −5253 ± 6766
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 183.6
Std Dev 0
2
1
0
−1
−2

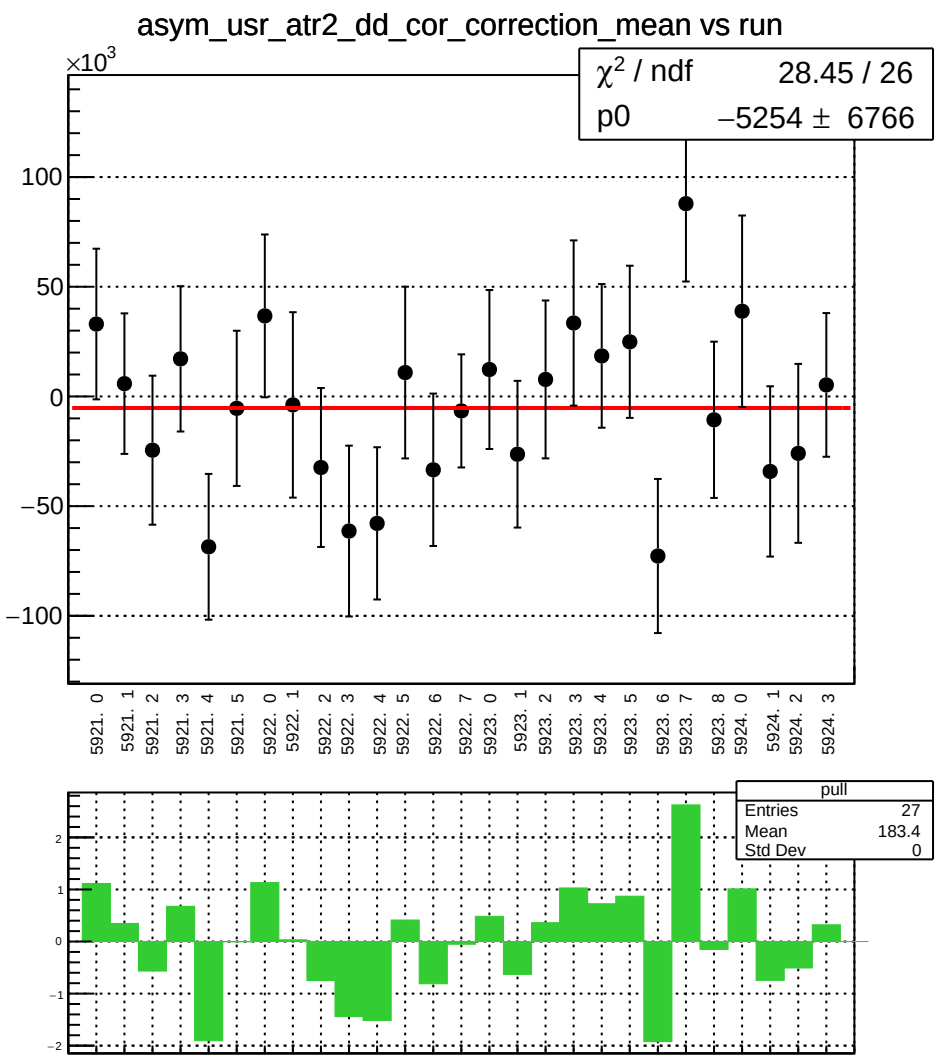

pull1D
Entries 27
Mean 0.005088
Std Dev 1.027
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

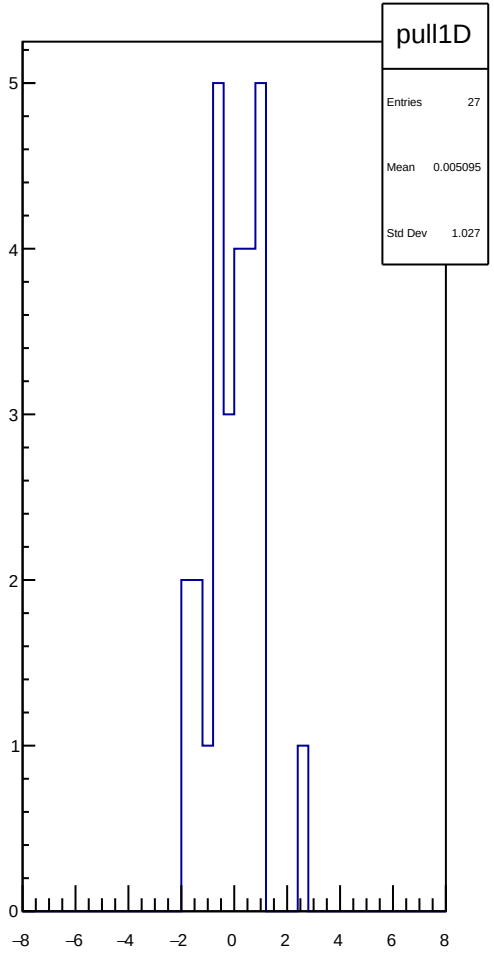

asym_usr_atr2_dd_reg_correction_rms vs run
χ² / ndf 3334 / 26
p0 3429 ± 4.784
4200
4000
3800
3600
3400
3200
3000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

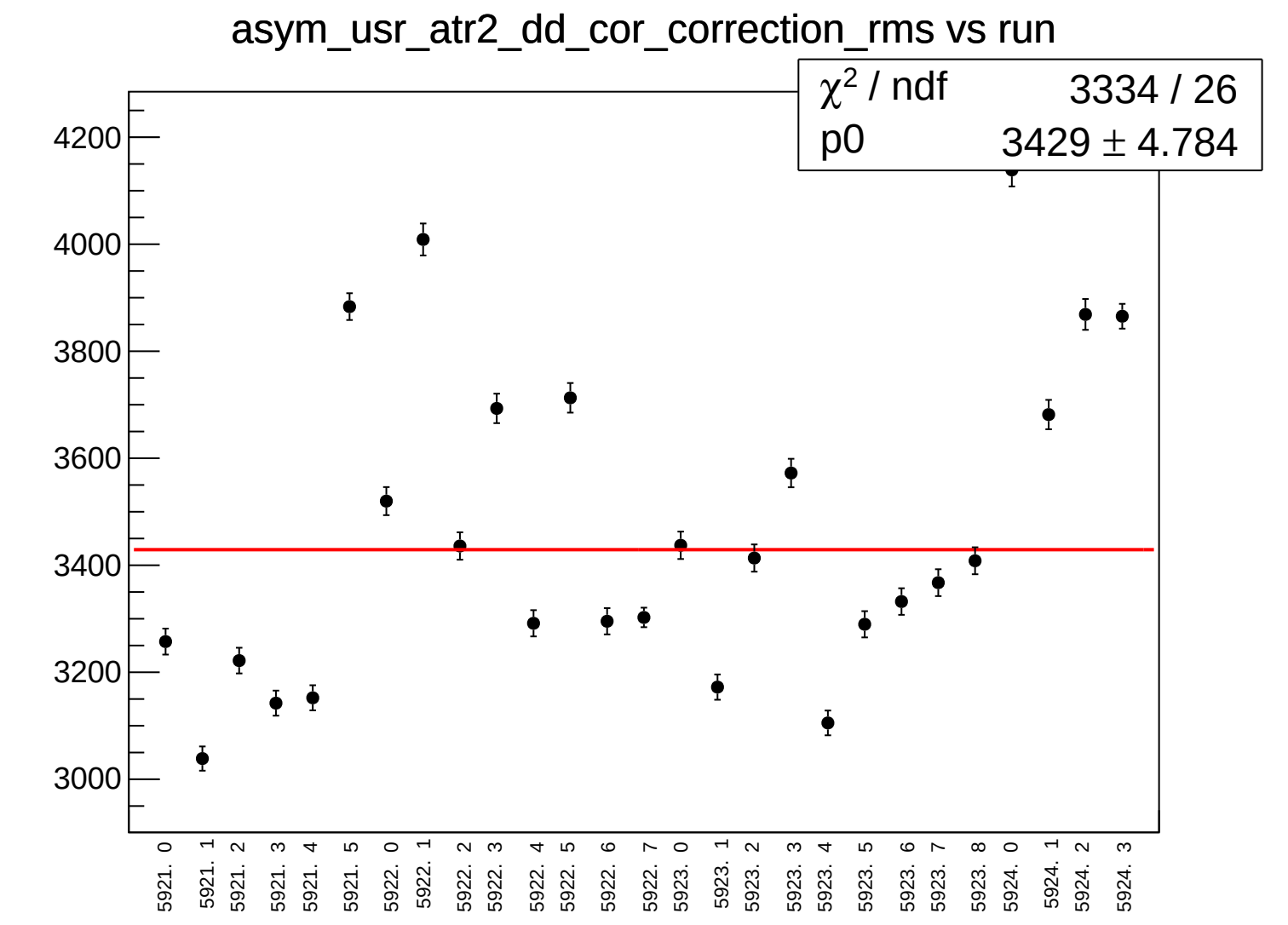

cor_asym_usr_atr2_dd_mean vs run
χ² / ndf 22.57 / 26
p0 −1133 ± 2375
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −224.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

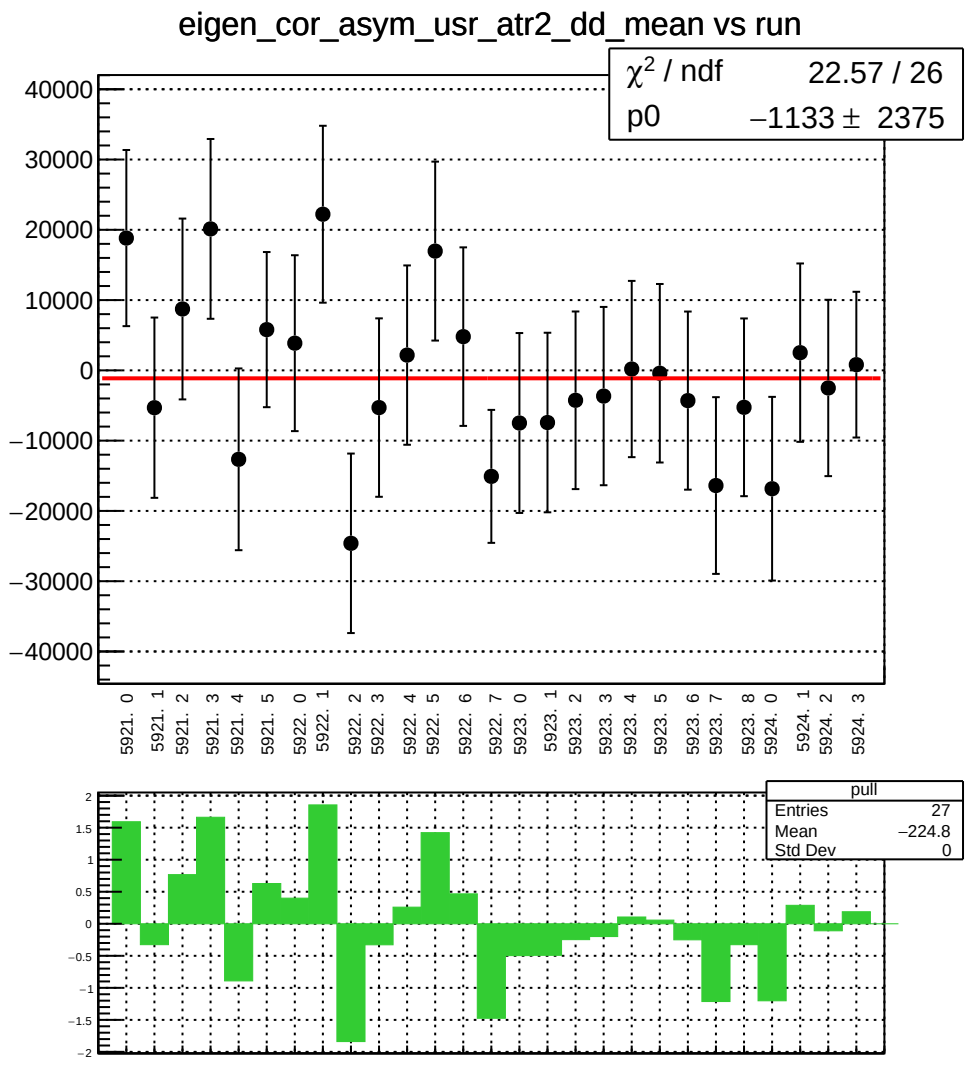

pull1D
Entries 27
Mean 0.01098
Std Dev 0.9143
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

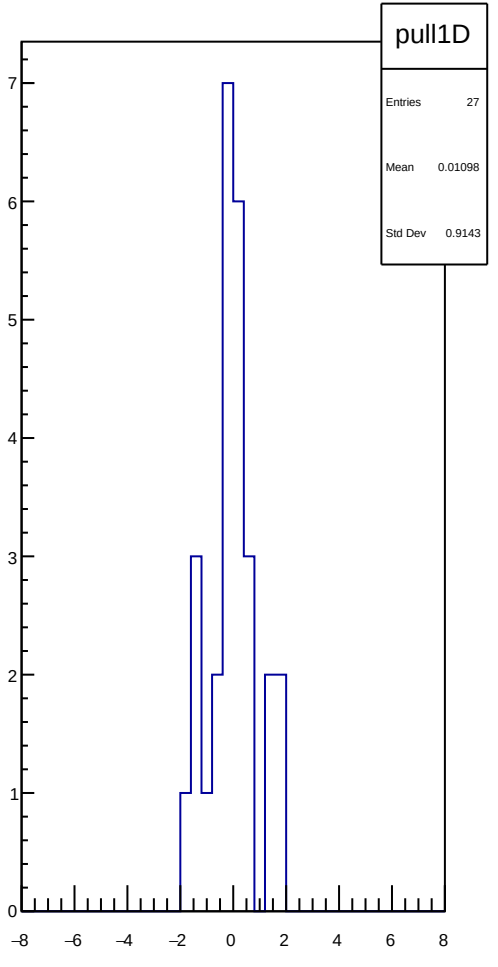

cor_asym_usr_atr2_dd_rms vs run
χ² / ndf 51.73 / 26
p0 1208 ± 1.679
1250
1240
1230
1220
1210
1200
1190
1180
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

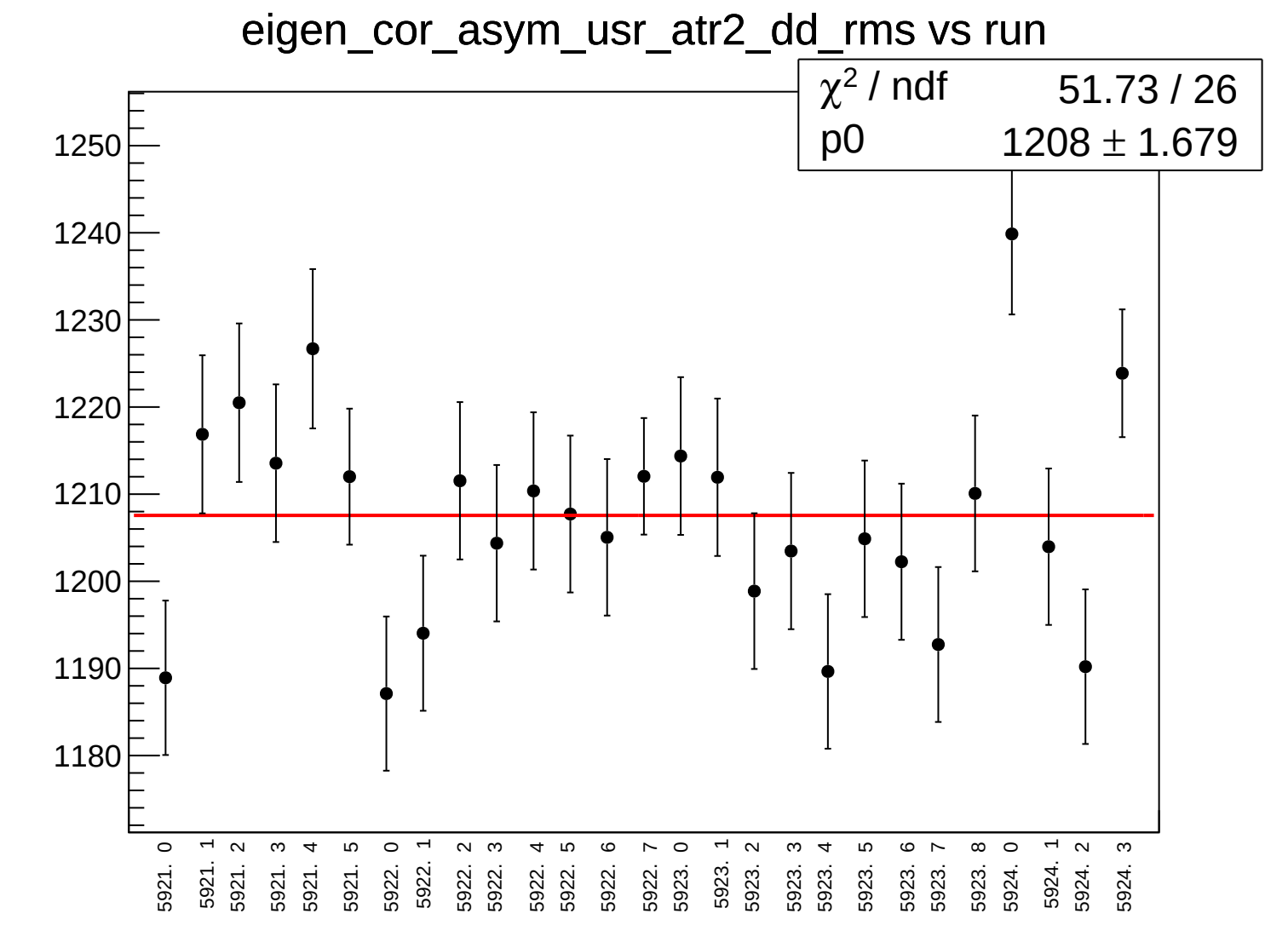

asym_usr_atr2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 28.45 / 26
p0 −5254 ± 6766
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 183.4
Std Dev 0
2
1
0
−1
−2

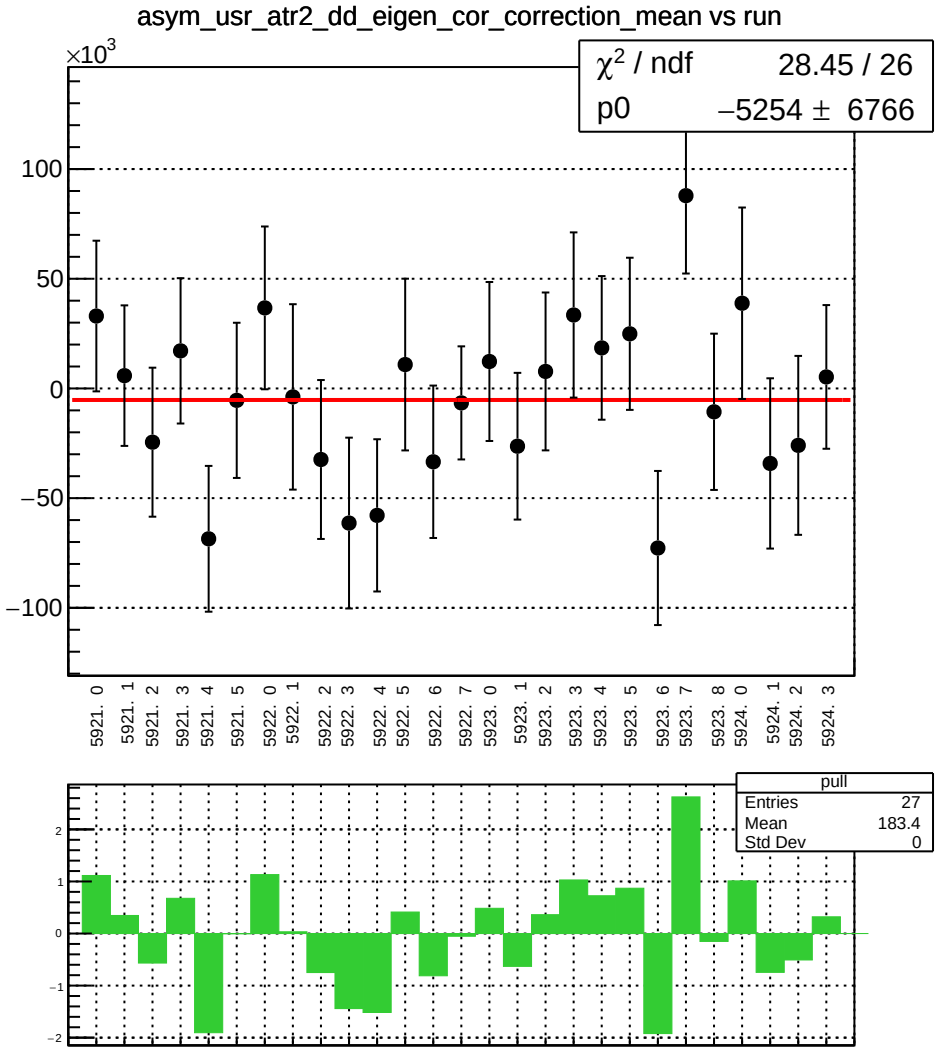

pull1D
Entries 27
Mean 0.005095
Std Dev 1.027
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

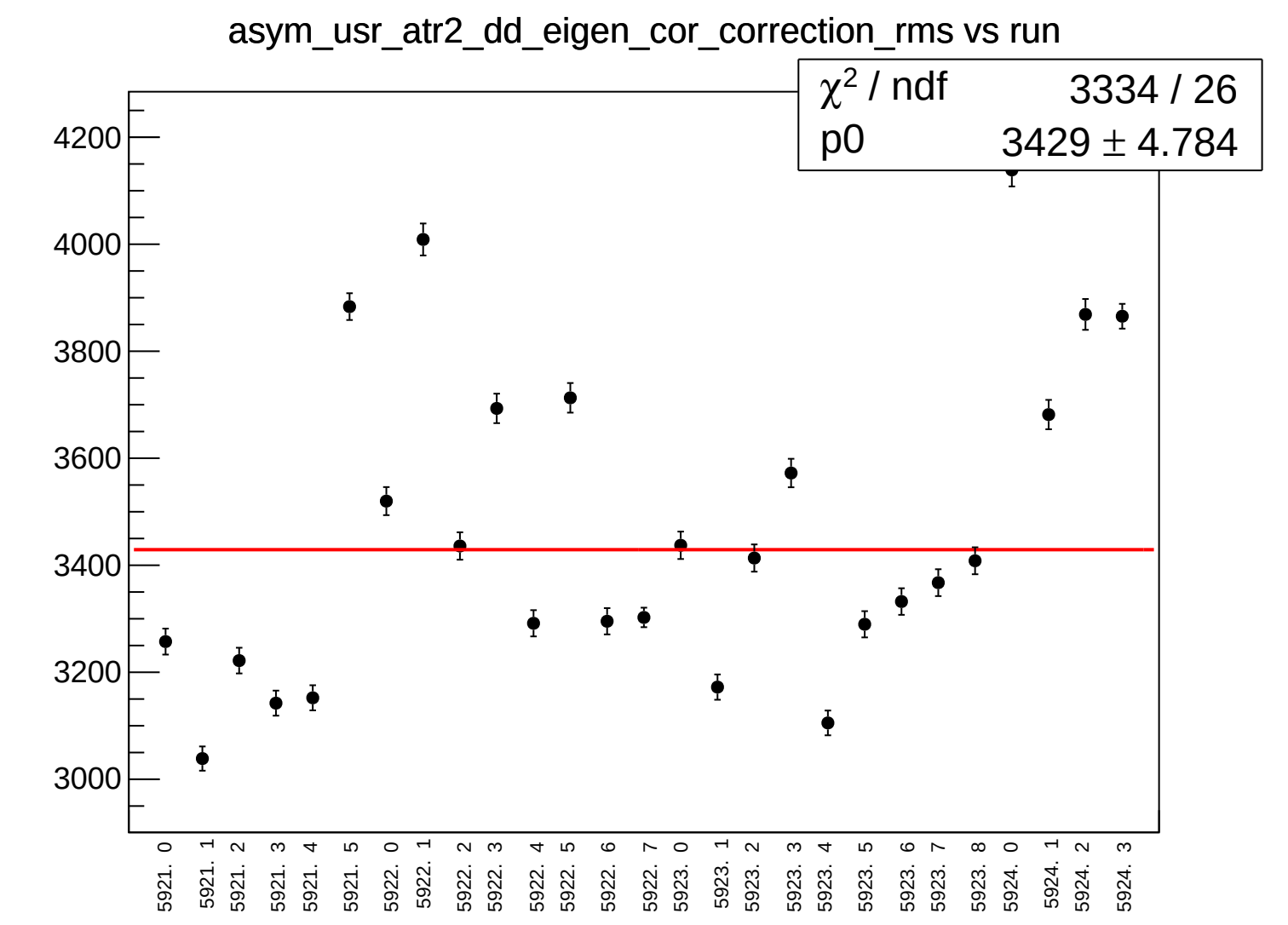

asym_usr_atr2_dd_cor_correction_rms vs run
χ² / ndf 3334 / 26
p0 3429 ± 4.784
4200
4000
3800
3600
3400
3200
3000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


eigen_cor_asym_usr_atr2_dd_mean vs run
χ² / ndf 22.57 / 26
p0 −1133 ± 2375
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −224.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 27
Mean 0.01098
Std Dev 0.9143
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_usr_atr2_dd_rms vs run
χ² / ndf 51.73 / 26
p0 1208 ± 1.679
1250
1240
1230
1220
1210
1200
1190
1180
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


asym_usr_atr2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 28.45 / 26
p0 −5254 ± 6766
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 183.4
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.005095
Std Dev 1.027
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr2_dd_eigen_cor_correction_rms vs run
χ² / ndf 3334 / 26
p0 3429 ± 4.784
4200
4000
3800
3600
3400
3200
3000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
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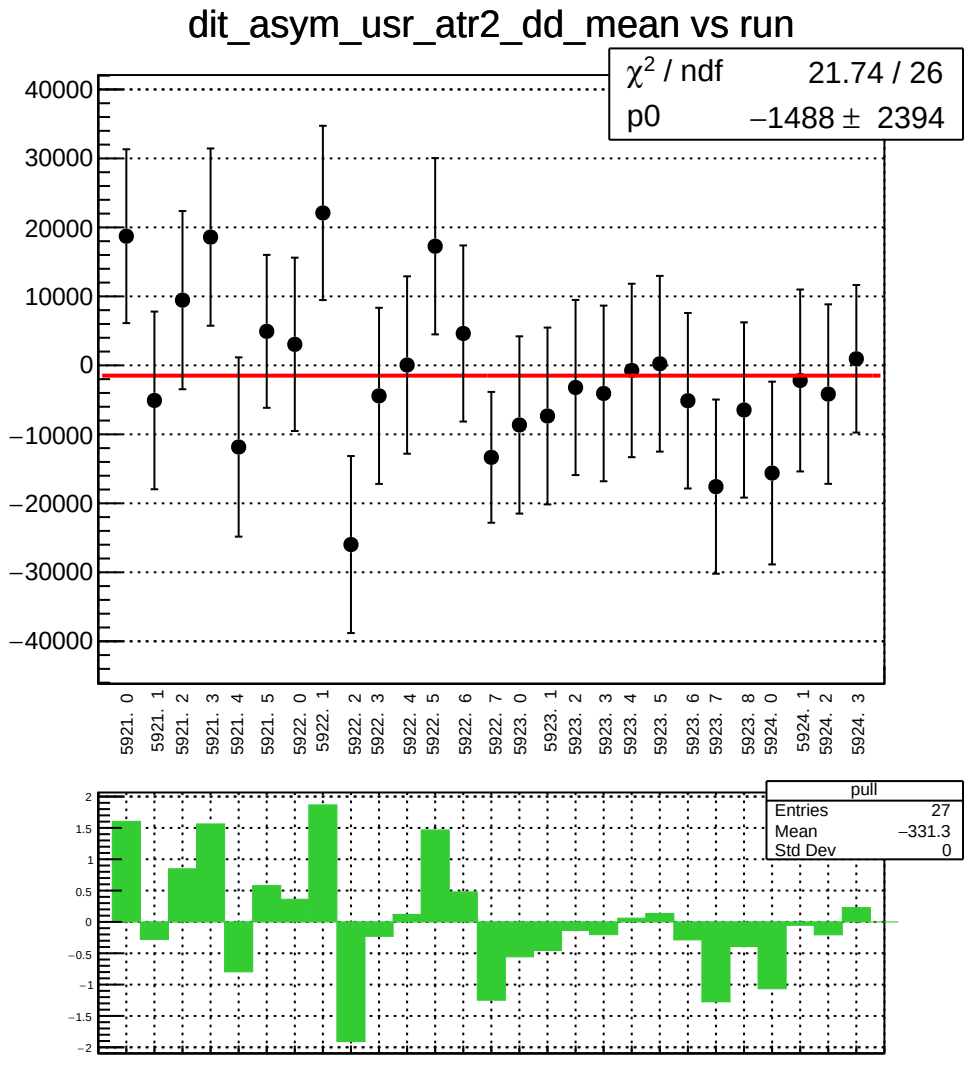
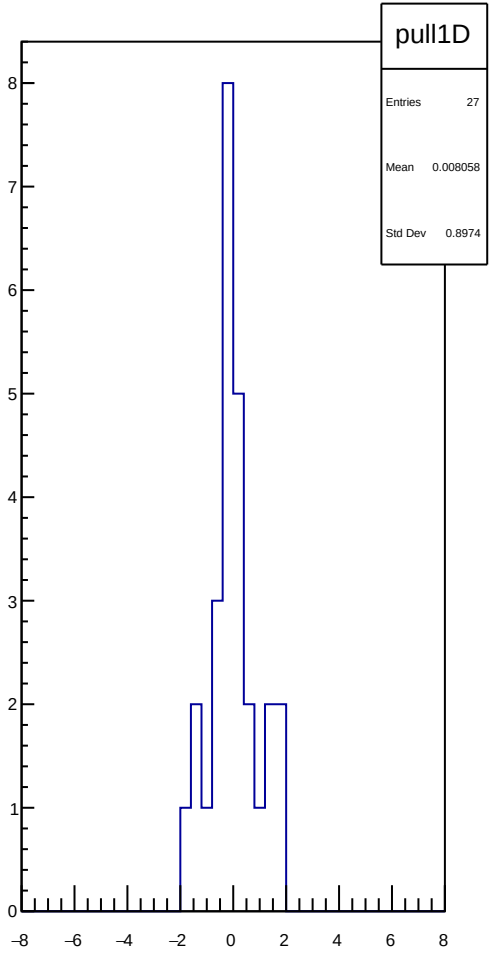
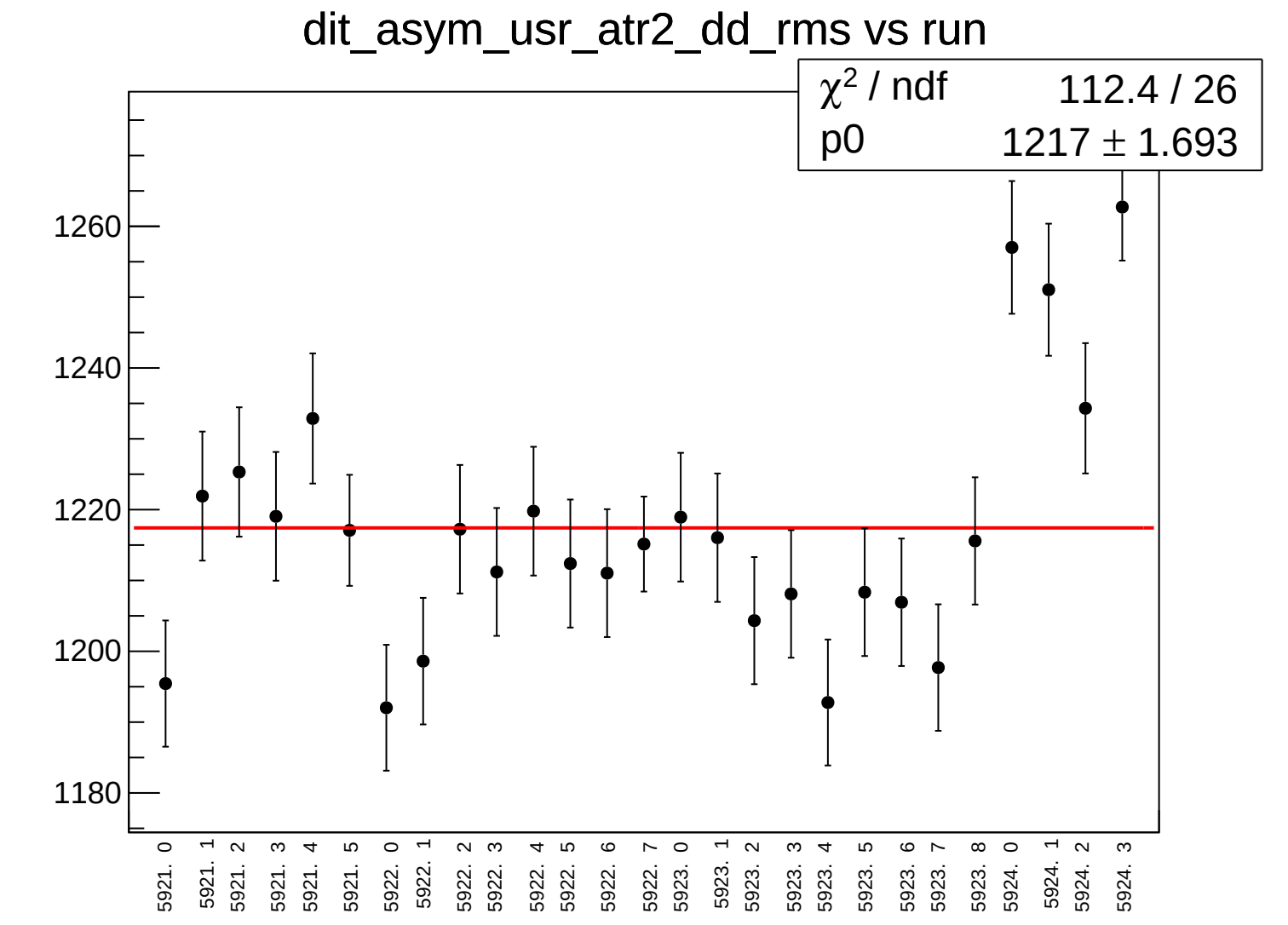
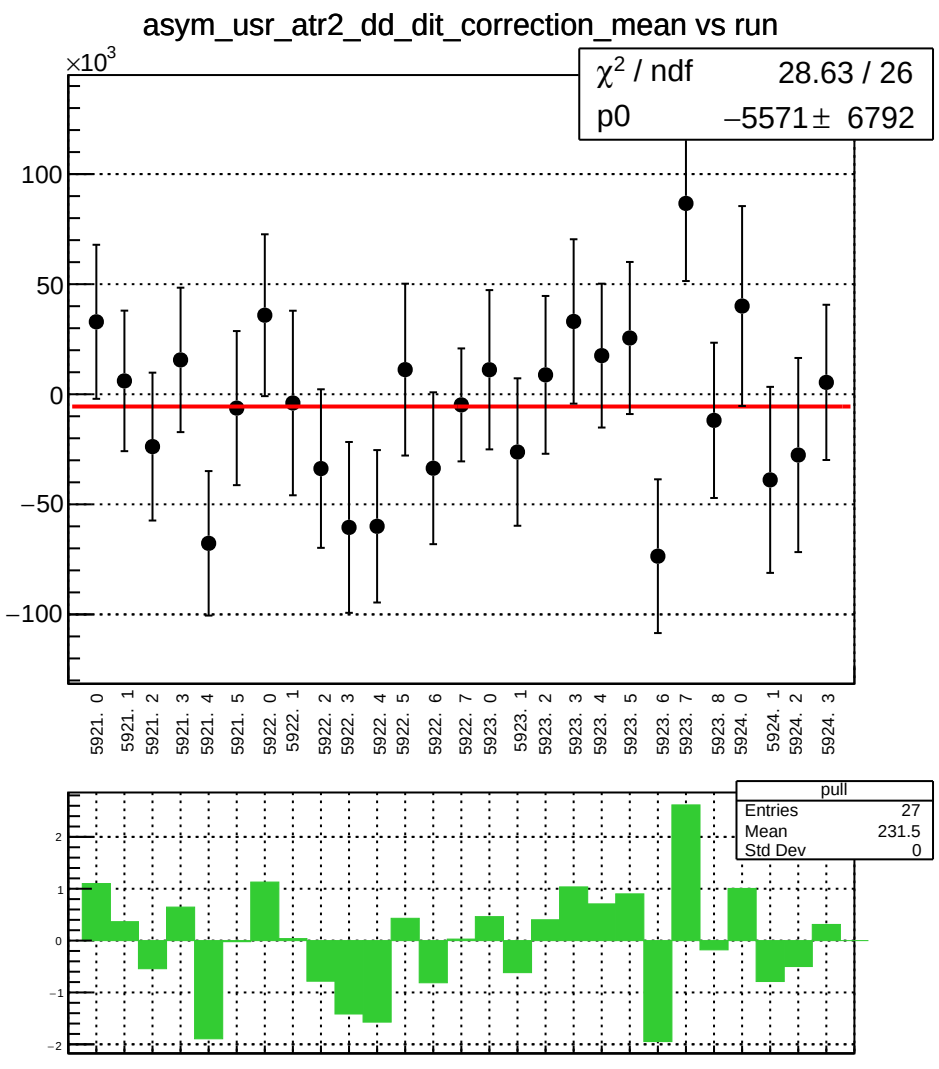
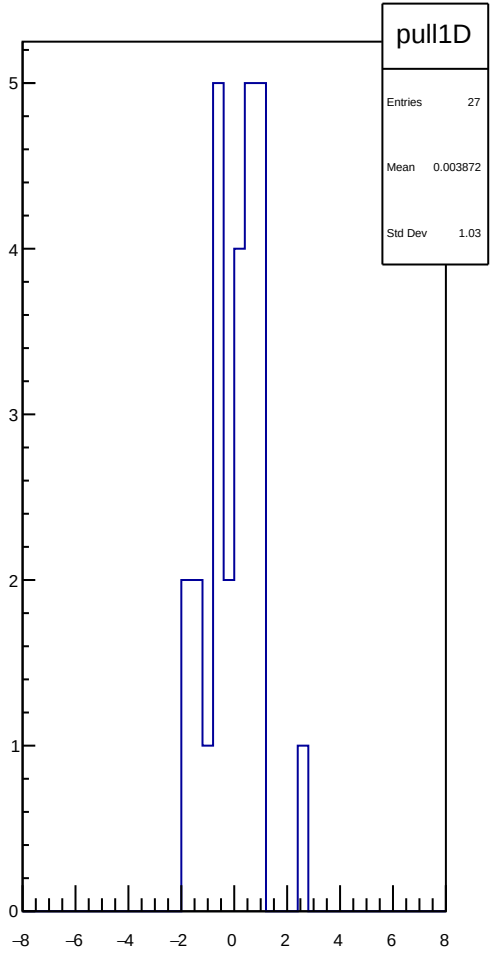
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

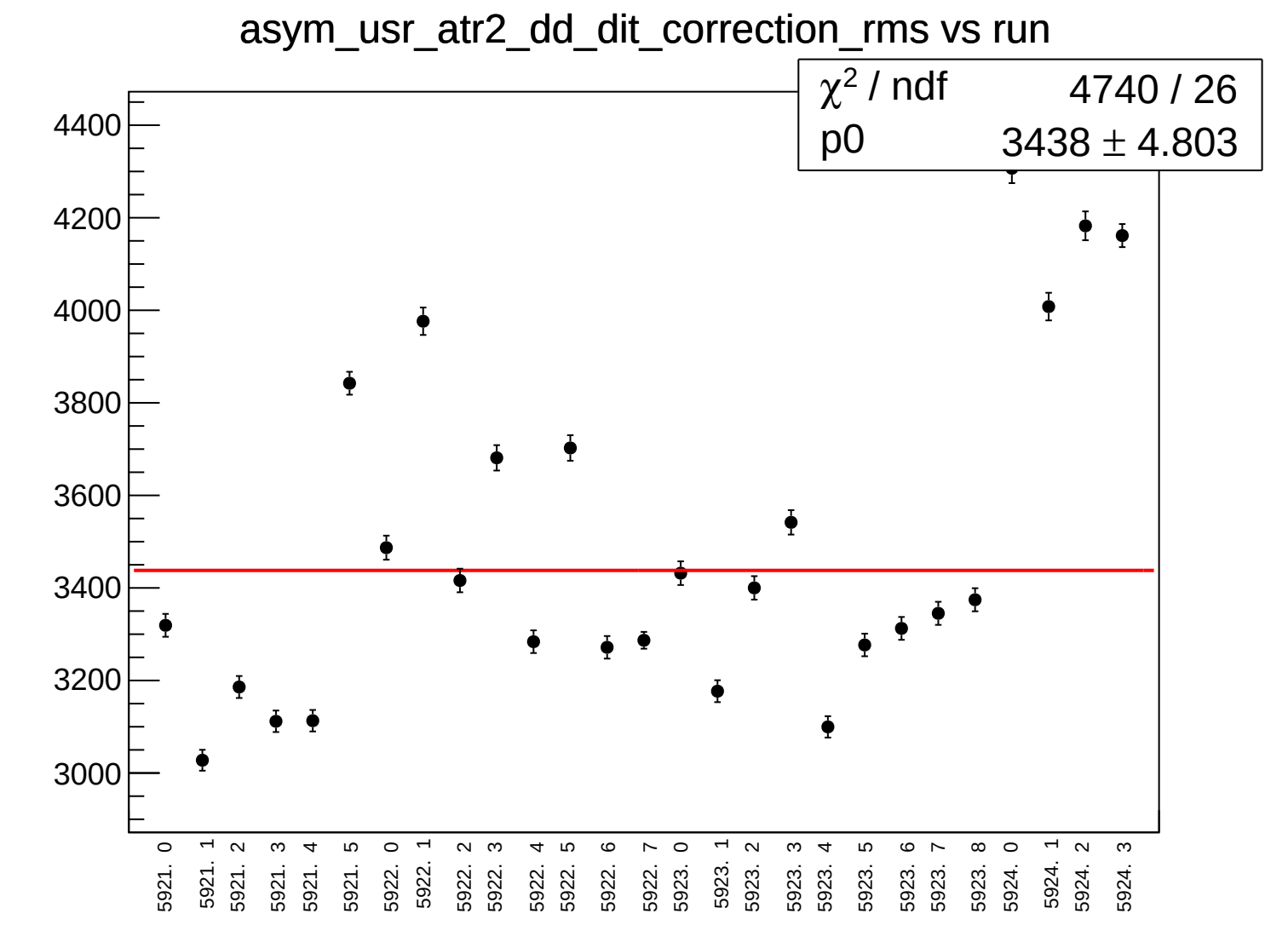

dit_asym_usr_atr2_dd_mean vs run
χ² / ndf 21.74 / 26
p0 −1488 ± 2394
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −331.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 27
Mean 0.008058
Std Dev 0.8974
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_usr_atr2_dd_rms vs run
χ² / ndf 112.4 / 26
p0 1217 ± 1.693
1260
1240
1220
1200
1180
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


asym_usr_atr2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 28.63 / 26
p0 −5571 ± 6792
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 231.5
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 27
Mean 0.003872
Std Dev 1.03
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr2_dd_dit_correction_rms vs run
χ² / ndf 4740 / 26
p0 3438 ± 4.803
4400
4200
4000
3800
3600
3400
3200
3000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
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5924. 0
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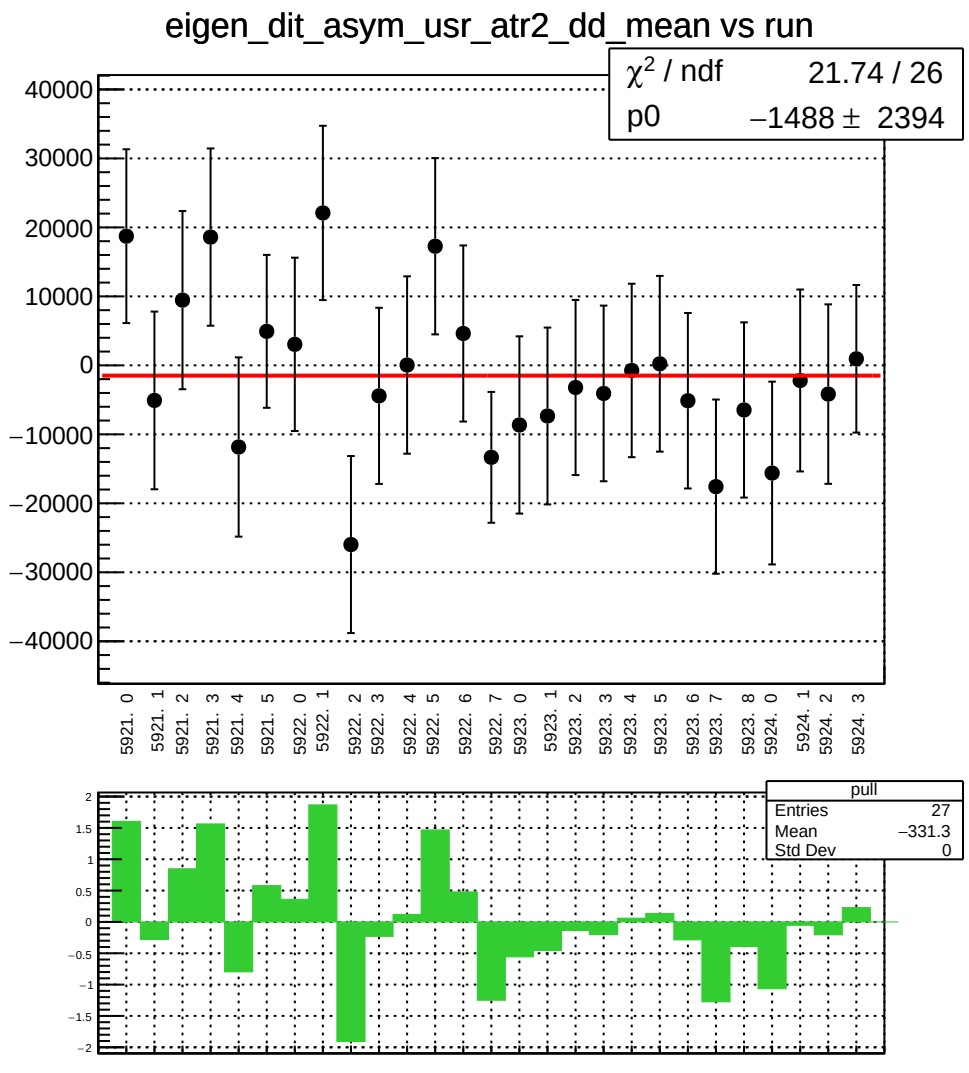
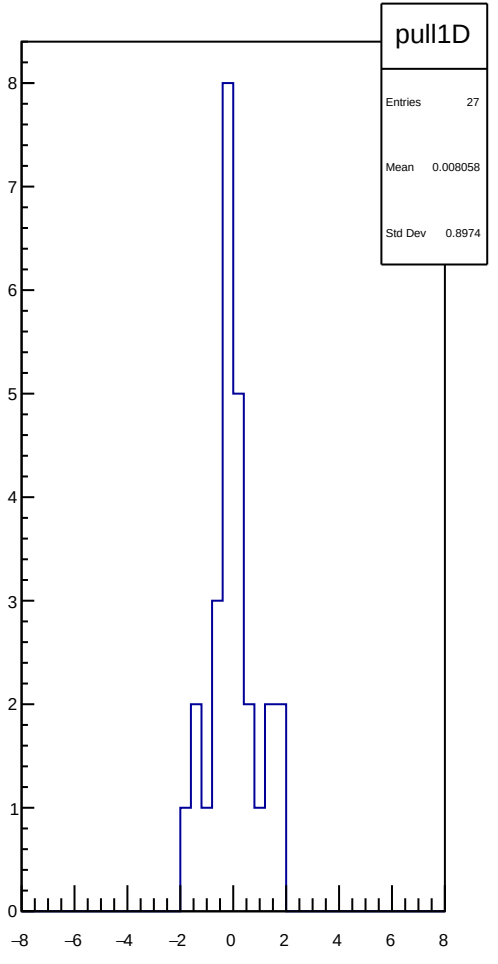
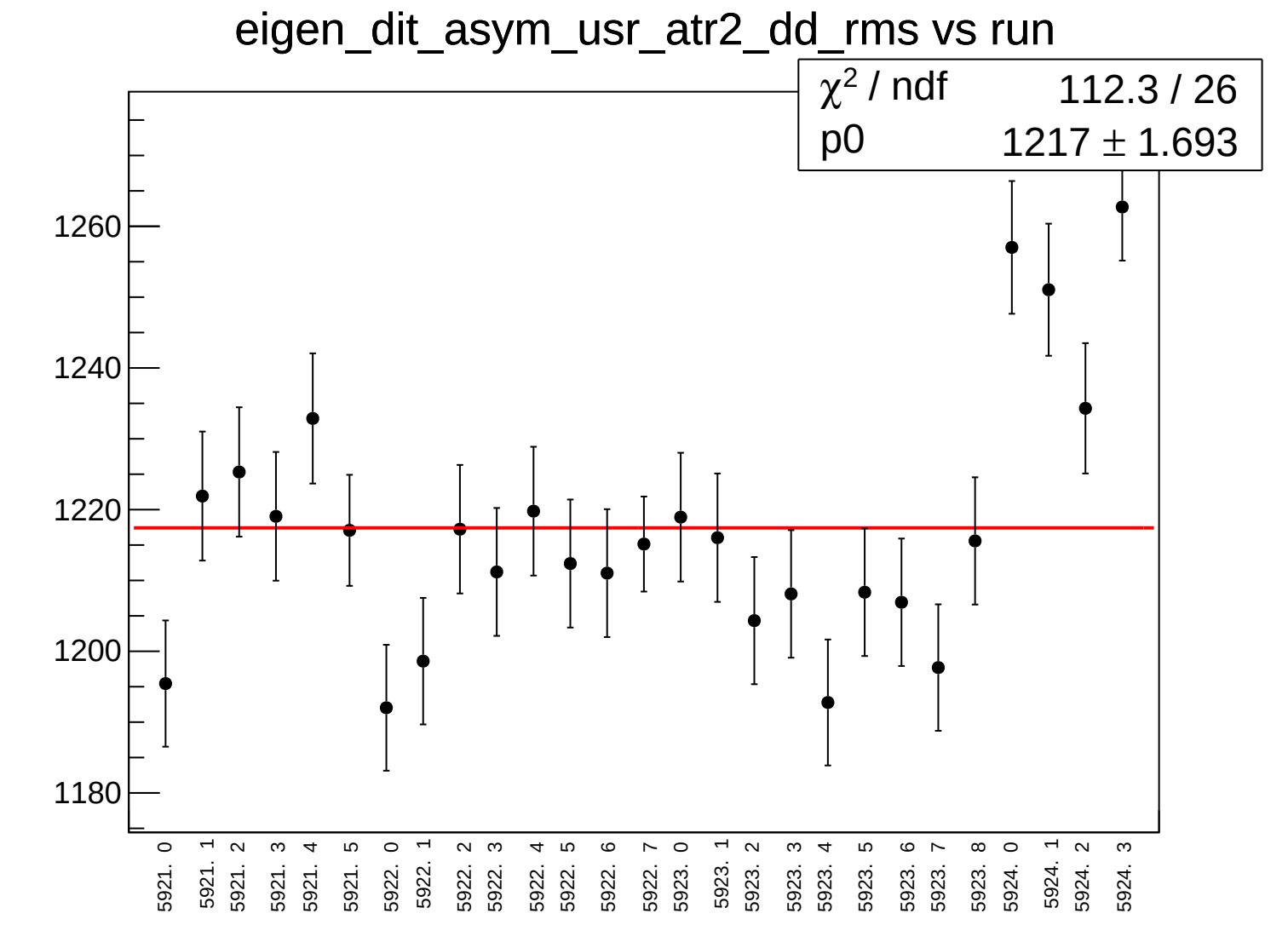
5924. 2
5924. 3


eigen_dit_asym_usr_atr2_dd_mean vs run
χ² / ndf 21.74 / 26
p0 −1488 ± 2394
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −331.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 27
Mean 0.008058
Std Dev 0.8974
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_usr_atr2_dd_rms vs run
χ² / ndf 112.3 / 26
p0 1217 ± 1.693
1260
1240
1220
1200
1180
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
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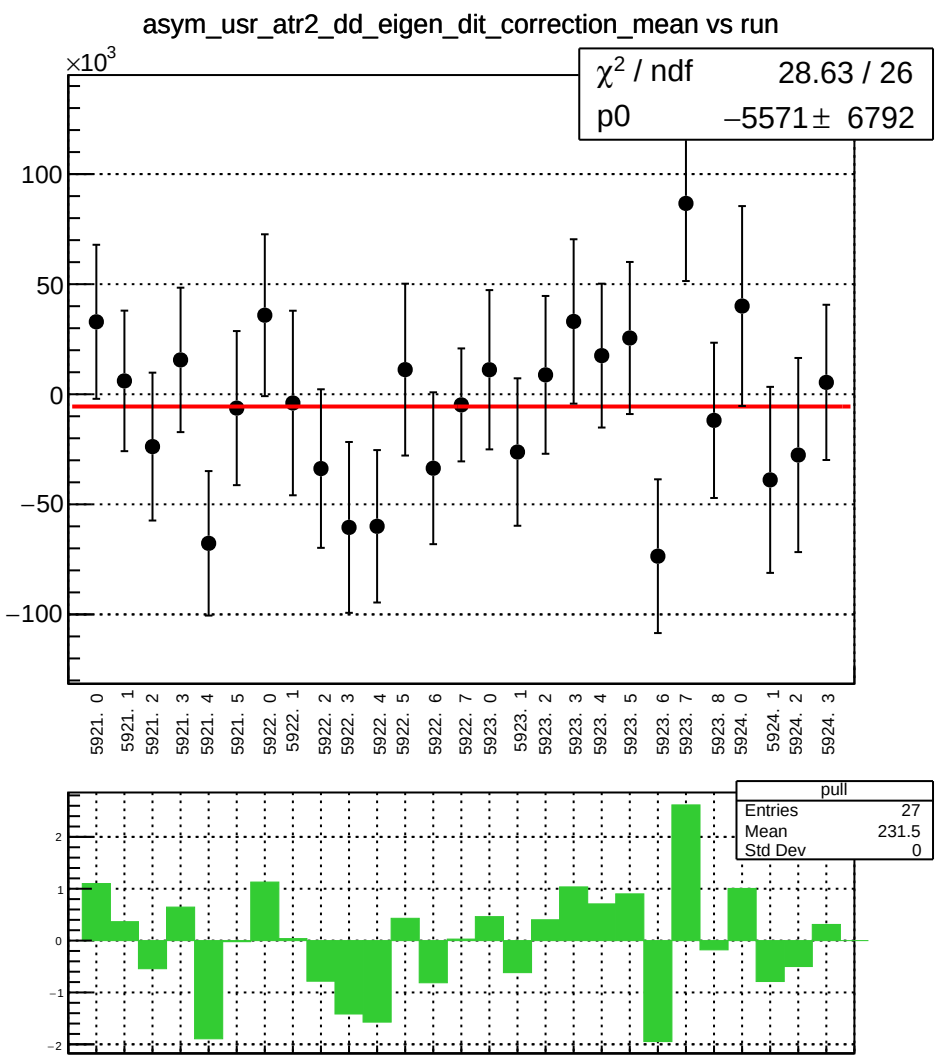
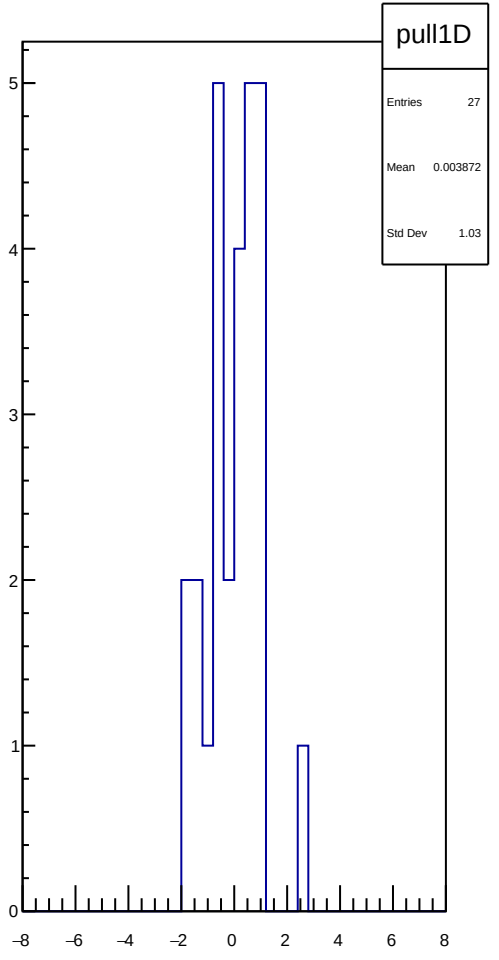
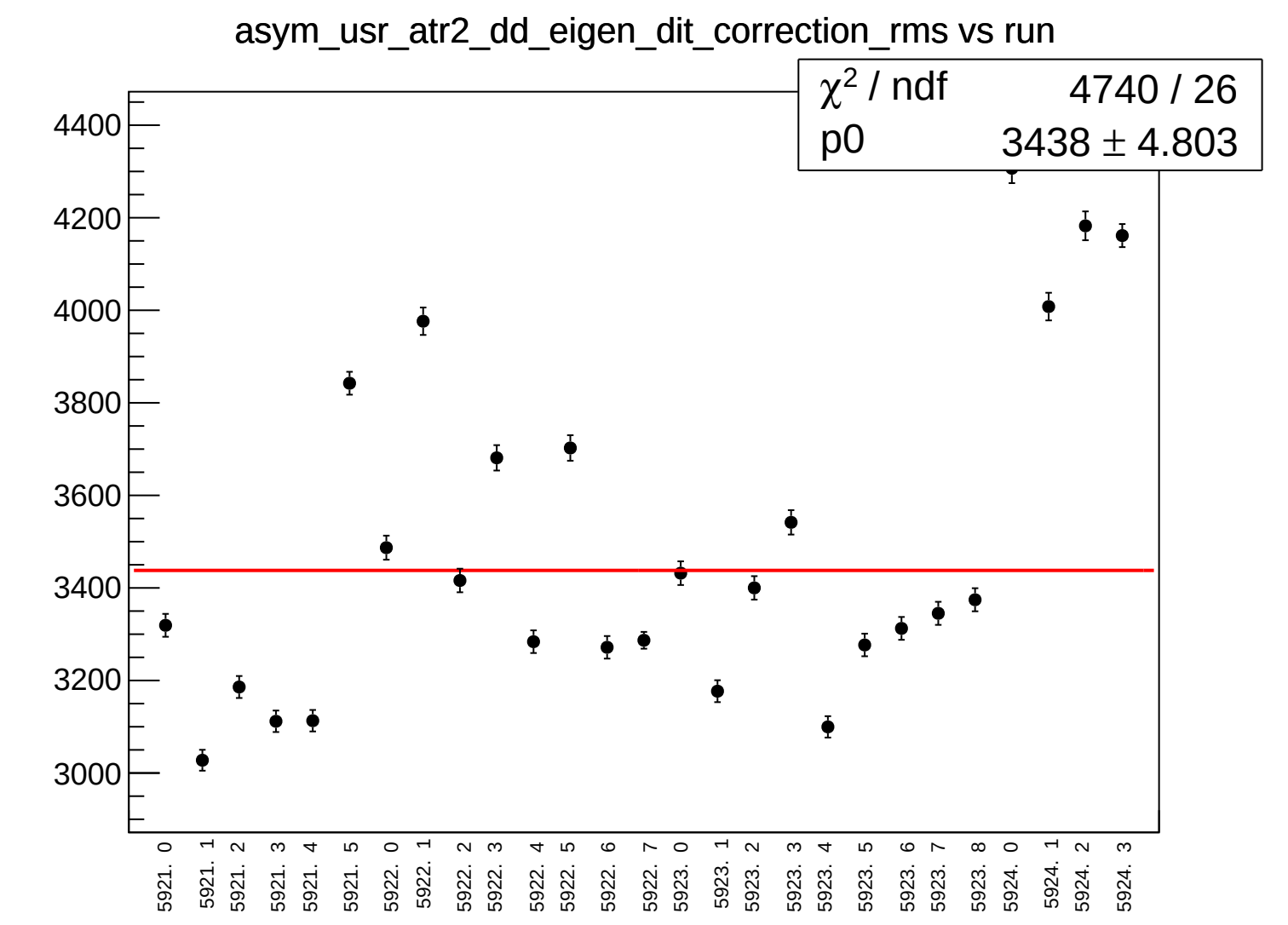
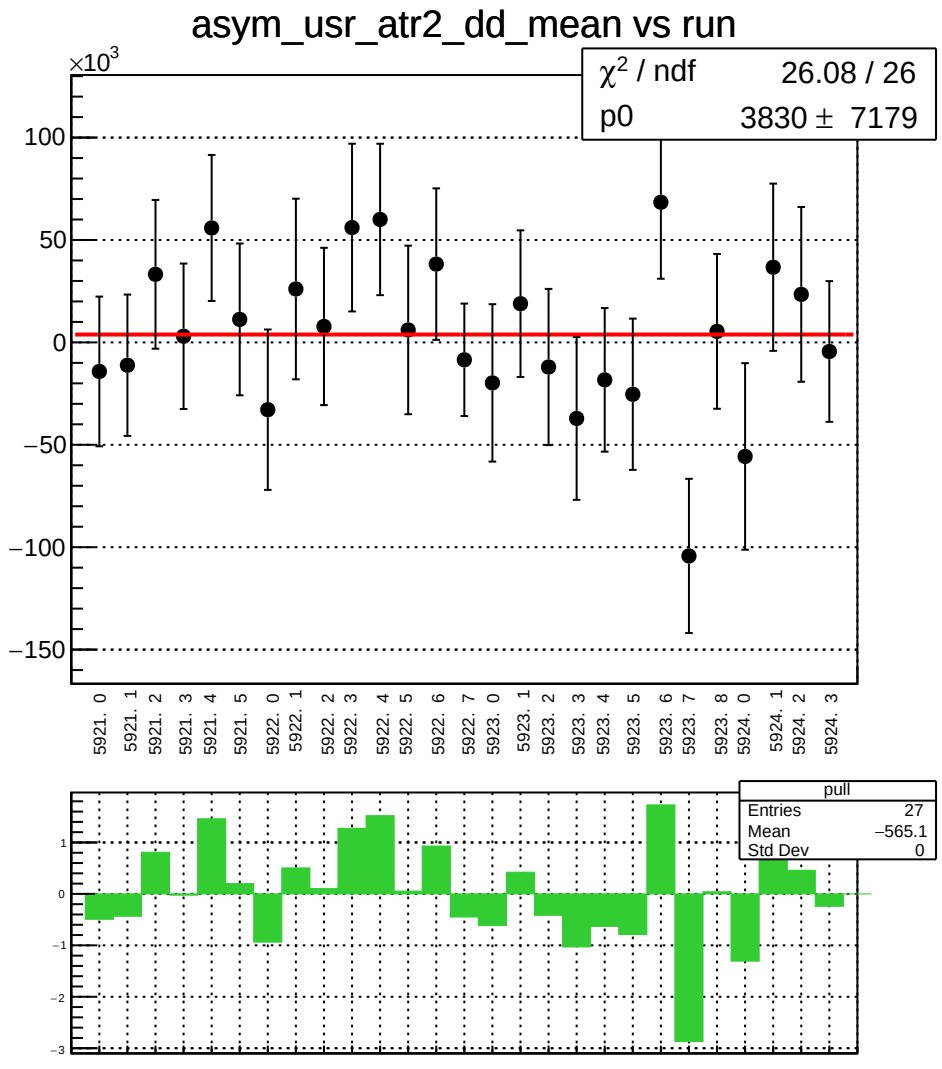
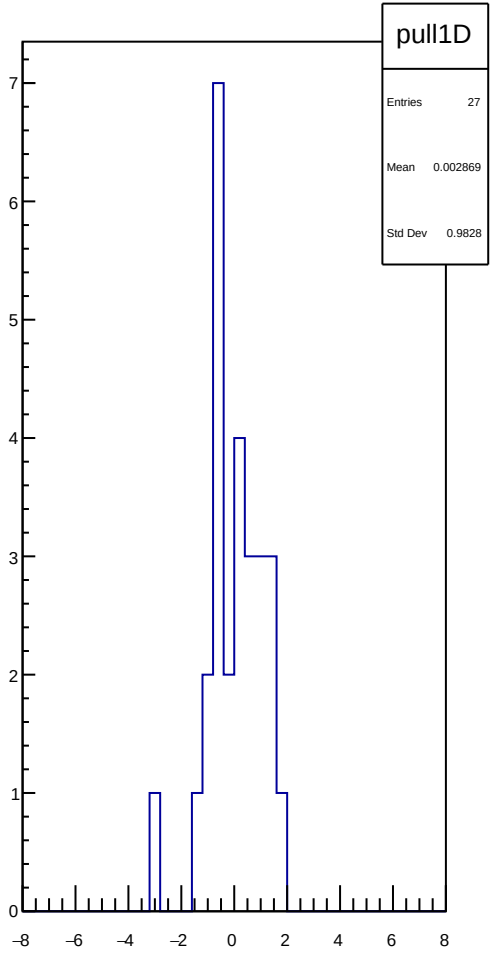
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

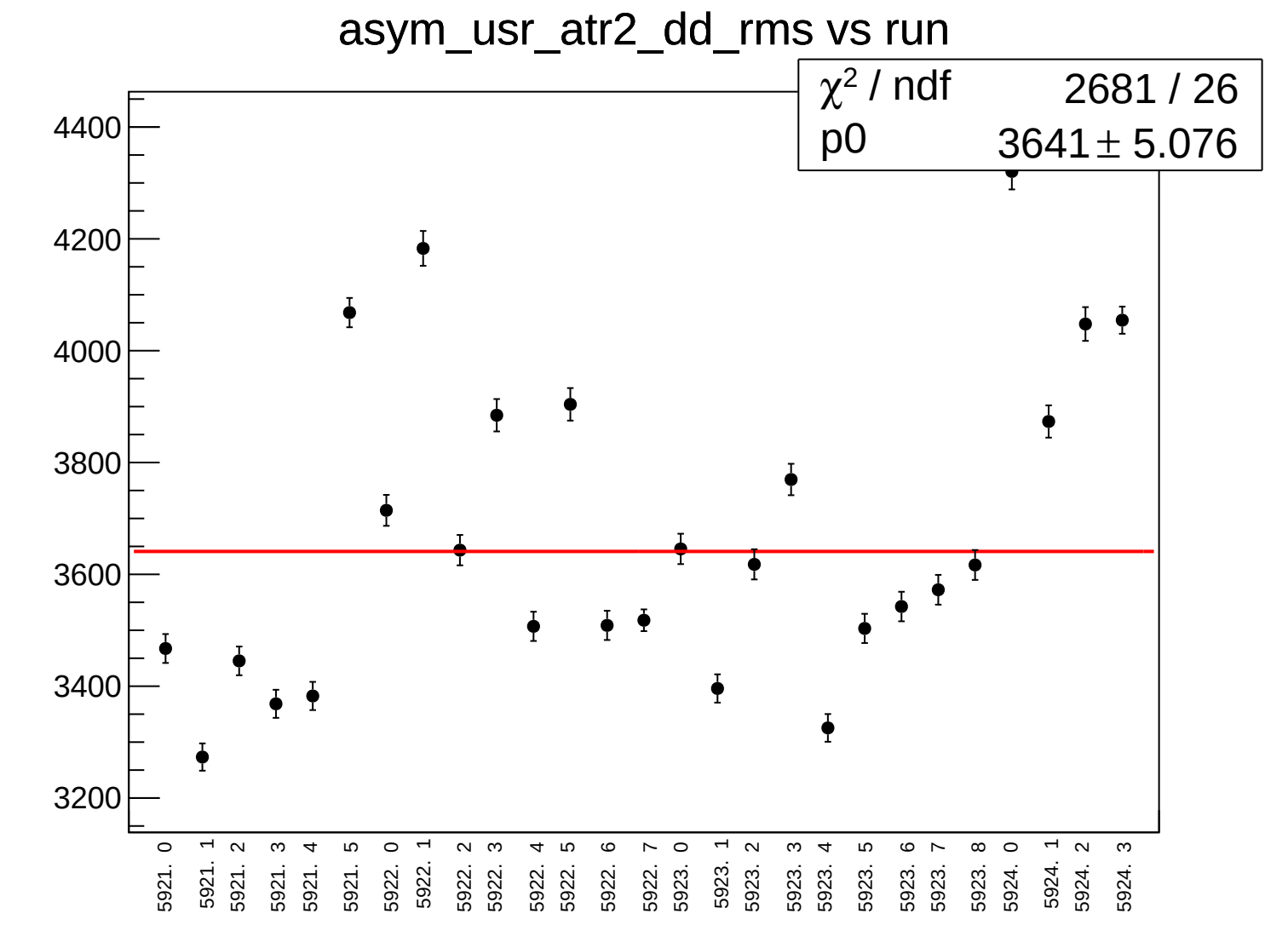

asym_usr_atr2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 28.63 / 26
p0 −5571 ± 6792
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 231.5
Std Dev 0
2
1
0
−1
−2

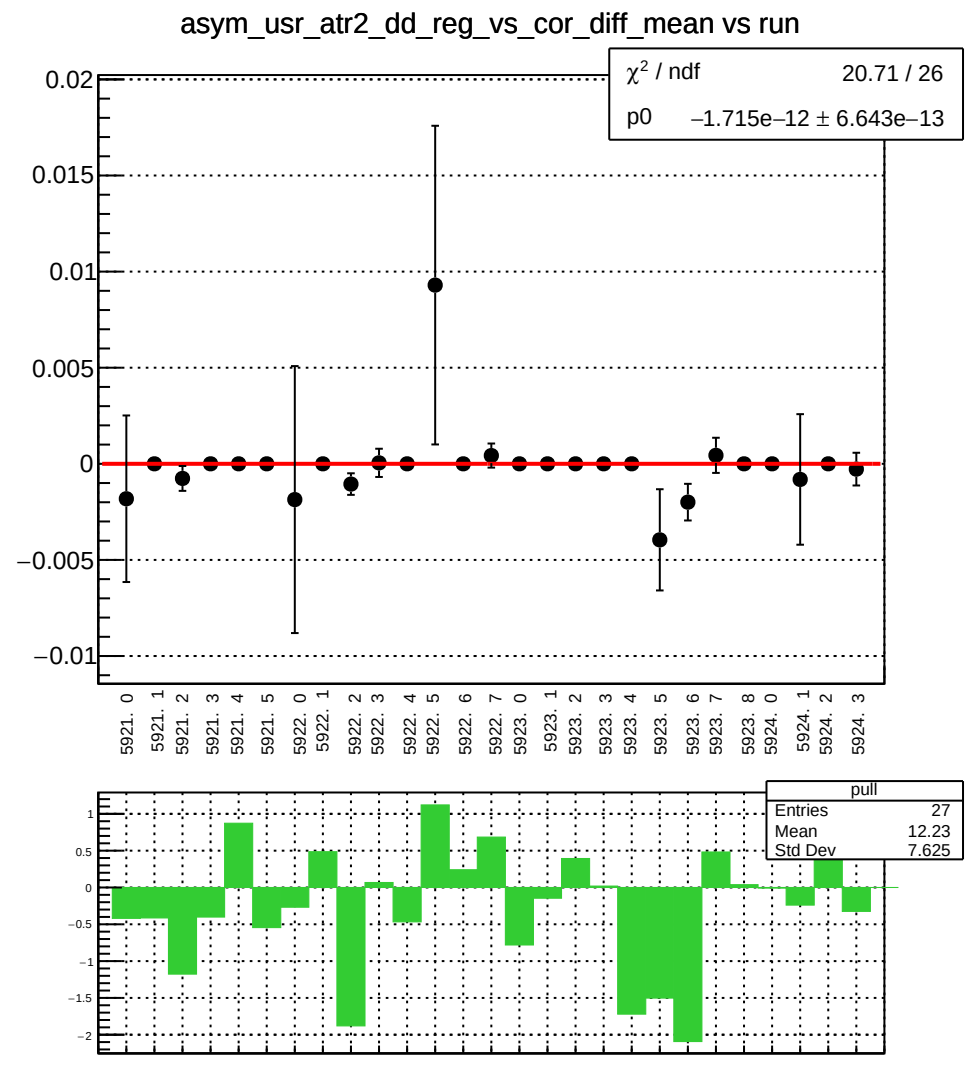

pull1D
Entries 27
Mean 0.003872
Std Dev 1.03
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

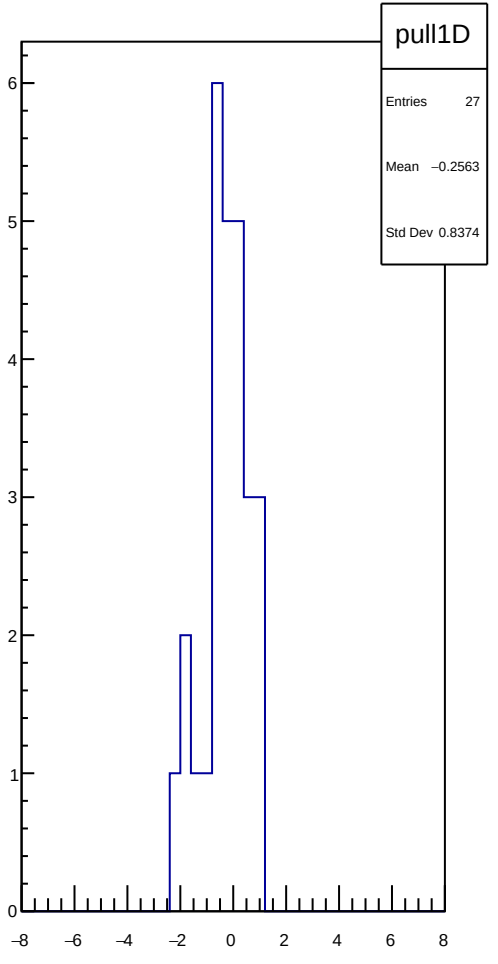

asym_usr_atr2_dd_eigen_dit_correction_rms vs run
χ² / ndf 4740 / 26
p0 3438 ± 4.803
4400
4200
4000
3800
3600
3400
3200
3000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

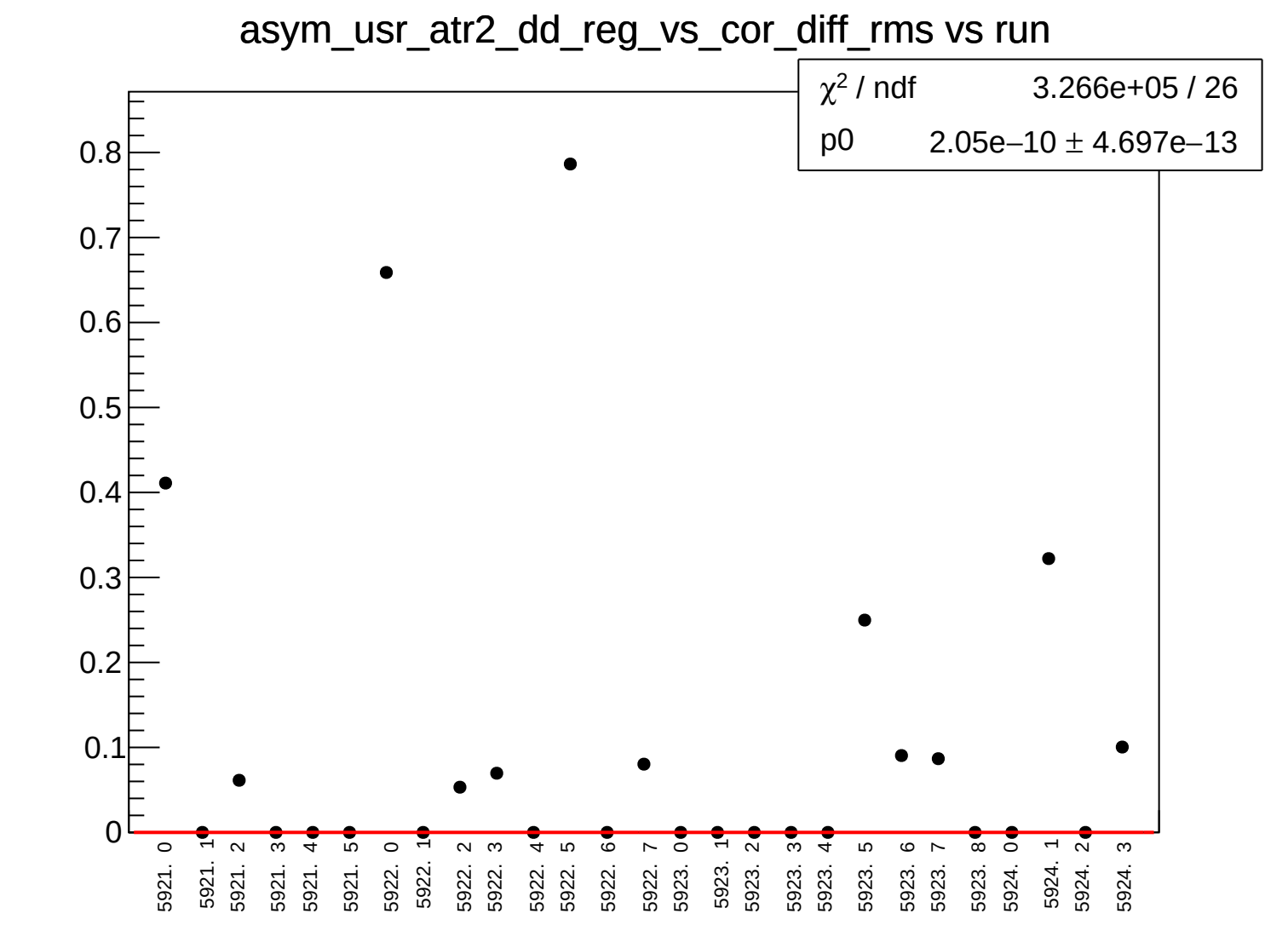

asym_usr_atr2_dd_mean vs run
×10^3
χ^2 / ndf 26.08 / 26
p0 3830 ± 7179
100
50
0
−50
−100
−150
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −565.1
Std Dev 0
1
0
−1
−2
−3

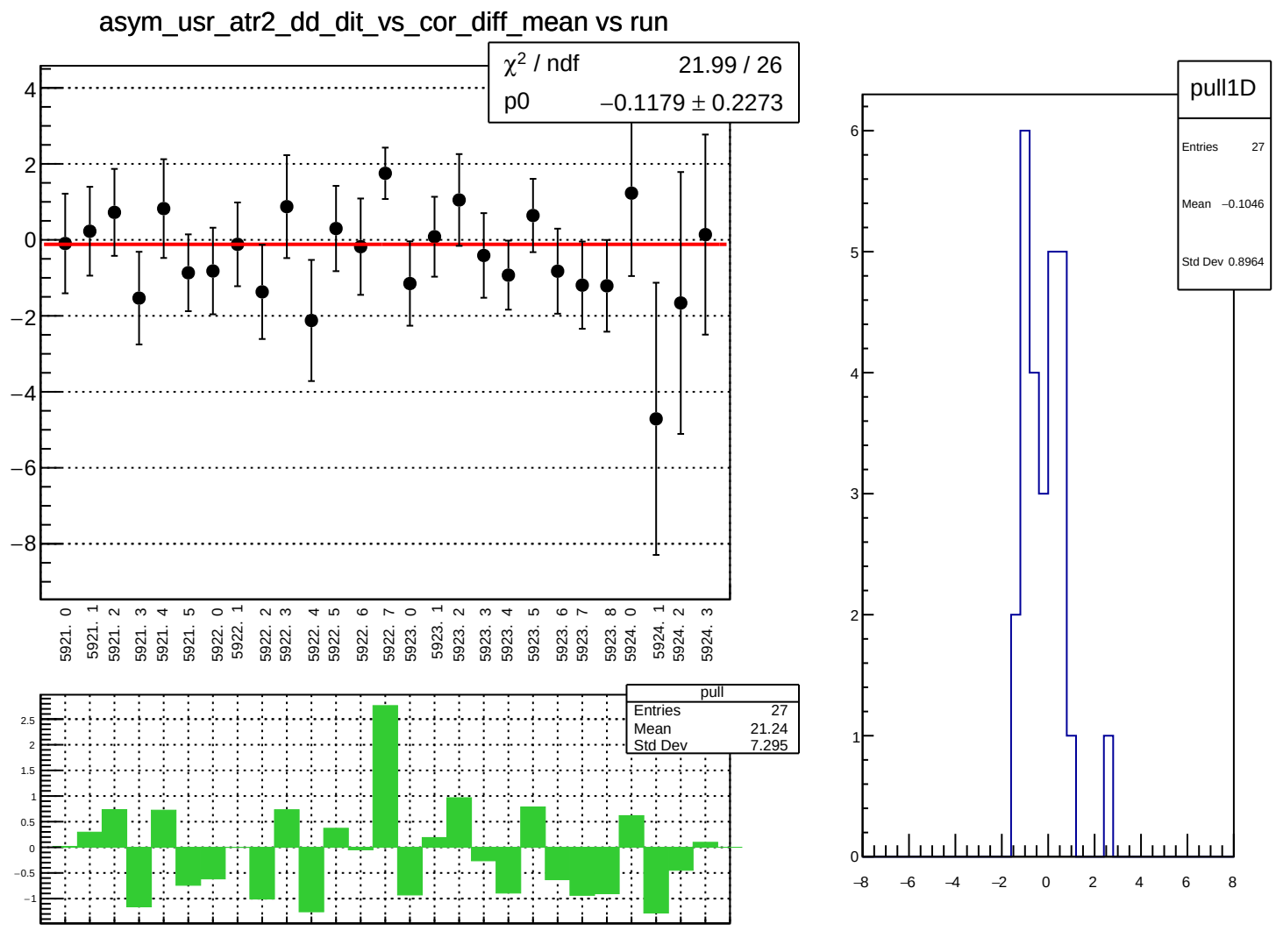

pull1D
Entries 27
Mean 0.002869
Std Dev 0.9828
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

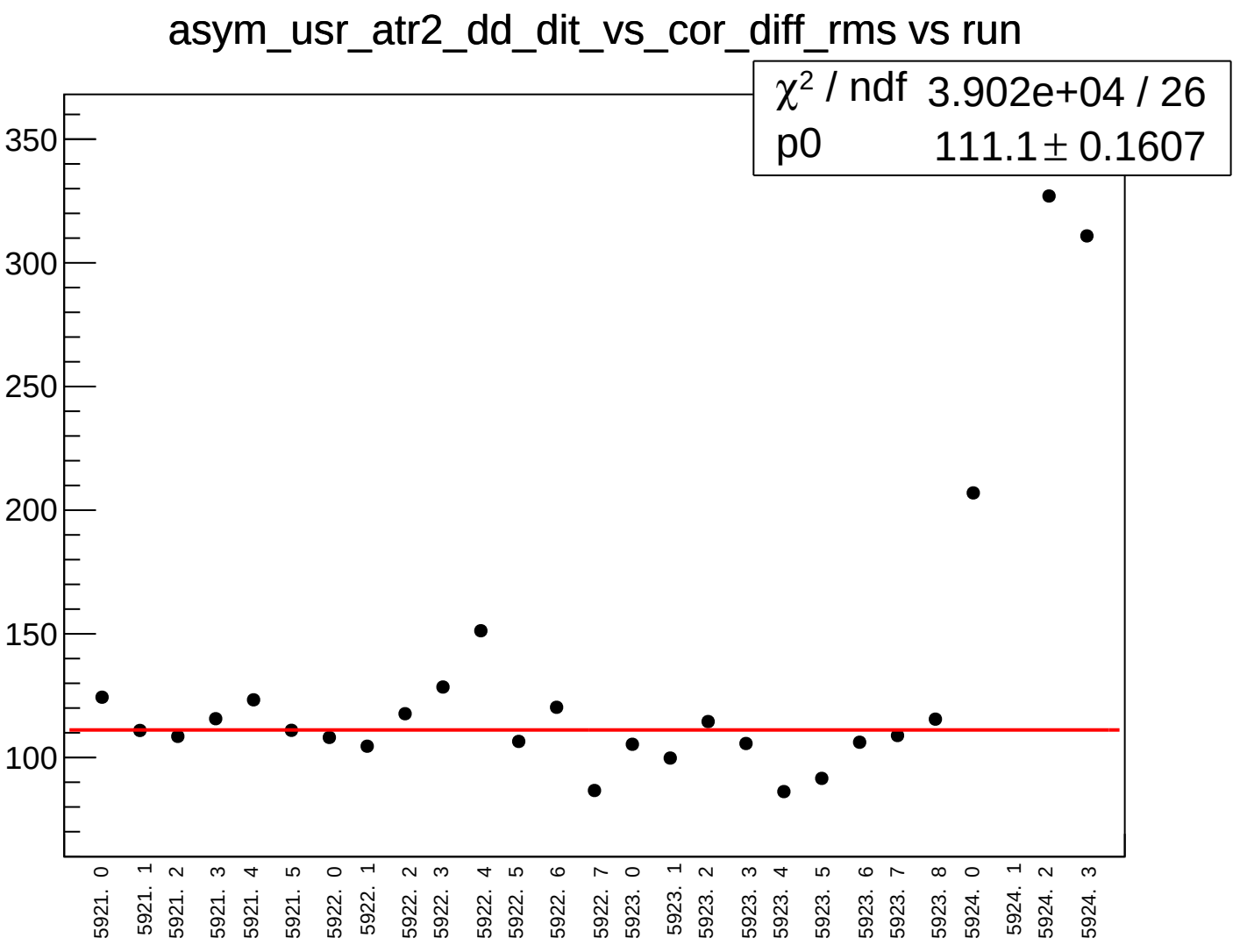

asym_usr_atr2_dd_rms vs run
χ² / ndf 2681 / 26
p0 3641 ± 5.076
4400
4200
4000
3800
3600
3400
3200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

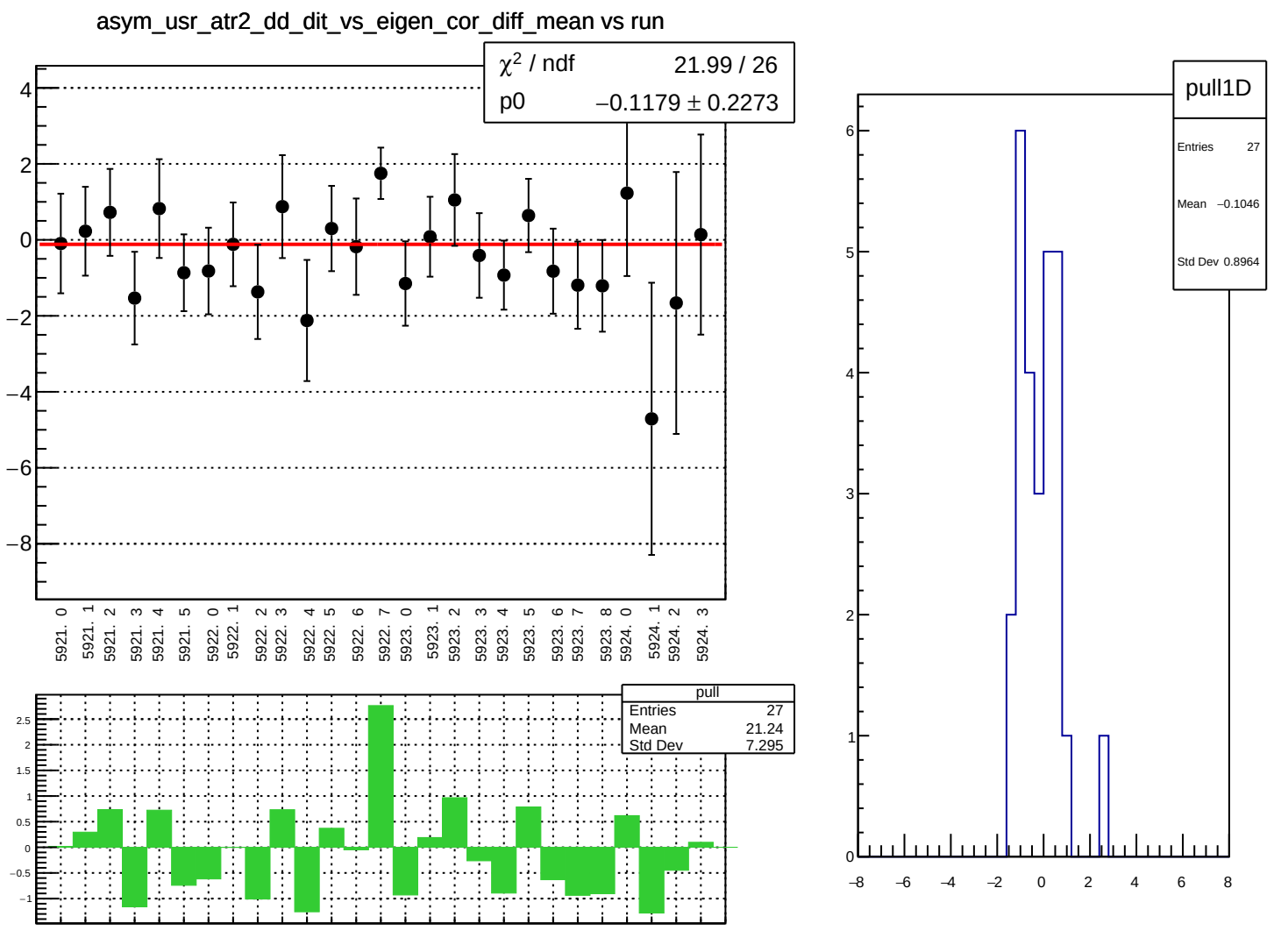

asym_usr_atr2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 20.71 / 26
p0 −1.715e−12 ± 6.643e−13
0.02
0.015
0.01
0.005
0
−0.005
−0.01
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 12.23
Std Dev 7.625
1
0.5
0
−0.5
−1
−1.5
−2

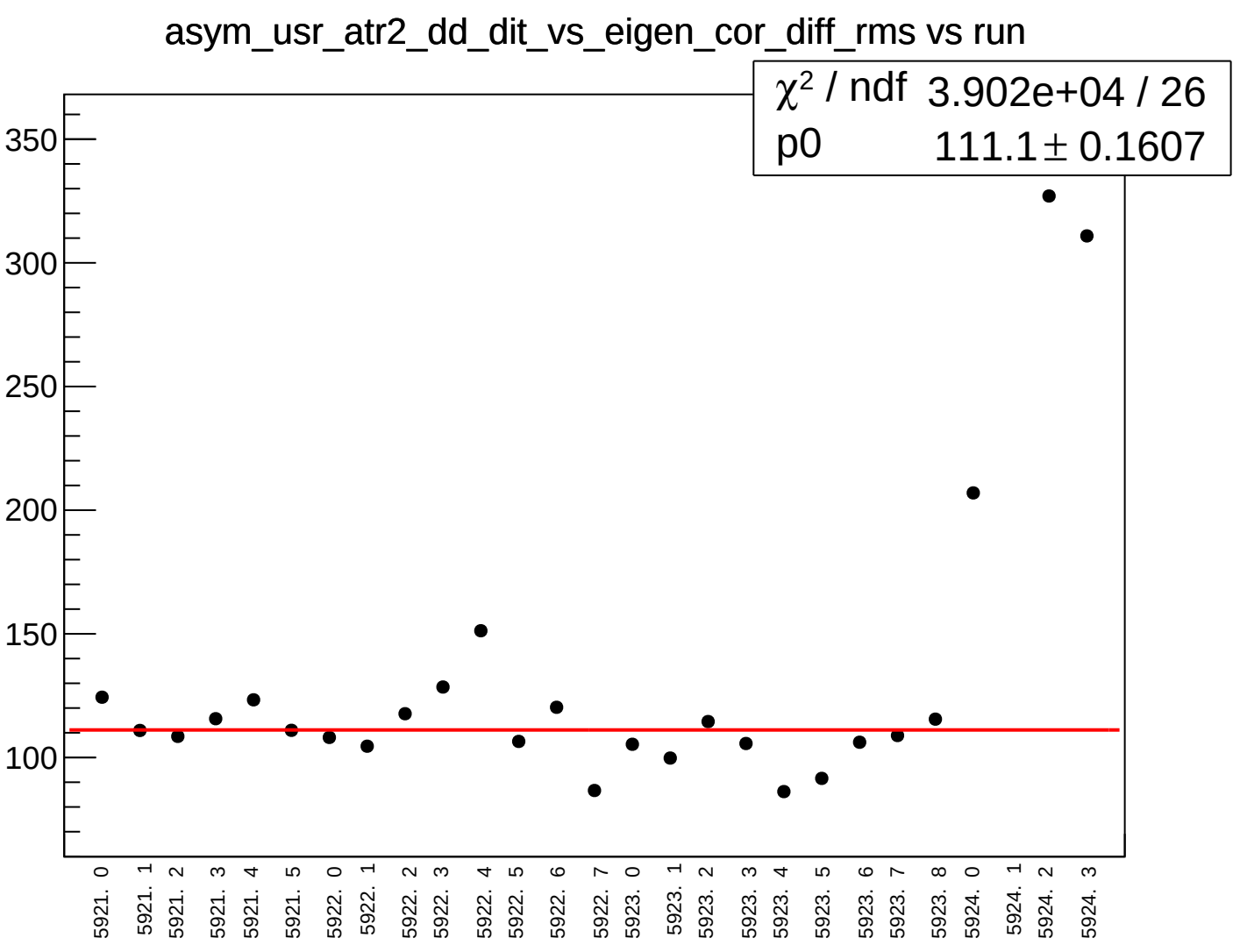

pull1D
Entries 27
Mean −0.2563
Std Dev 0.8374
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

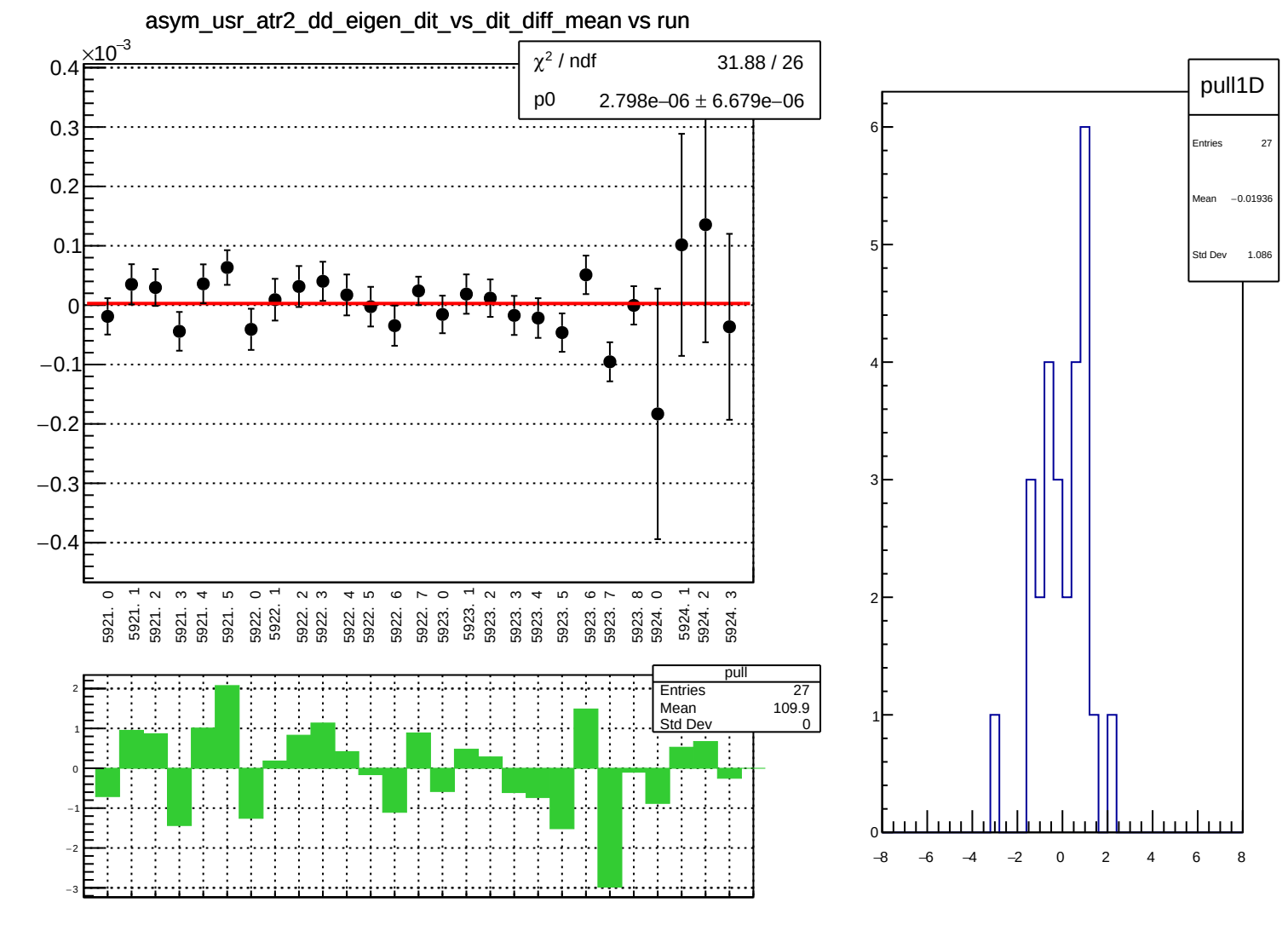

asym_usr_atr2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.266e+05 / 26
p0 2.05e−10 ± 4.697e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

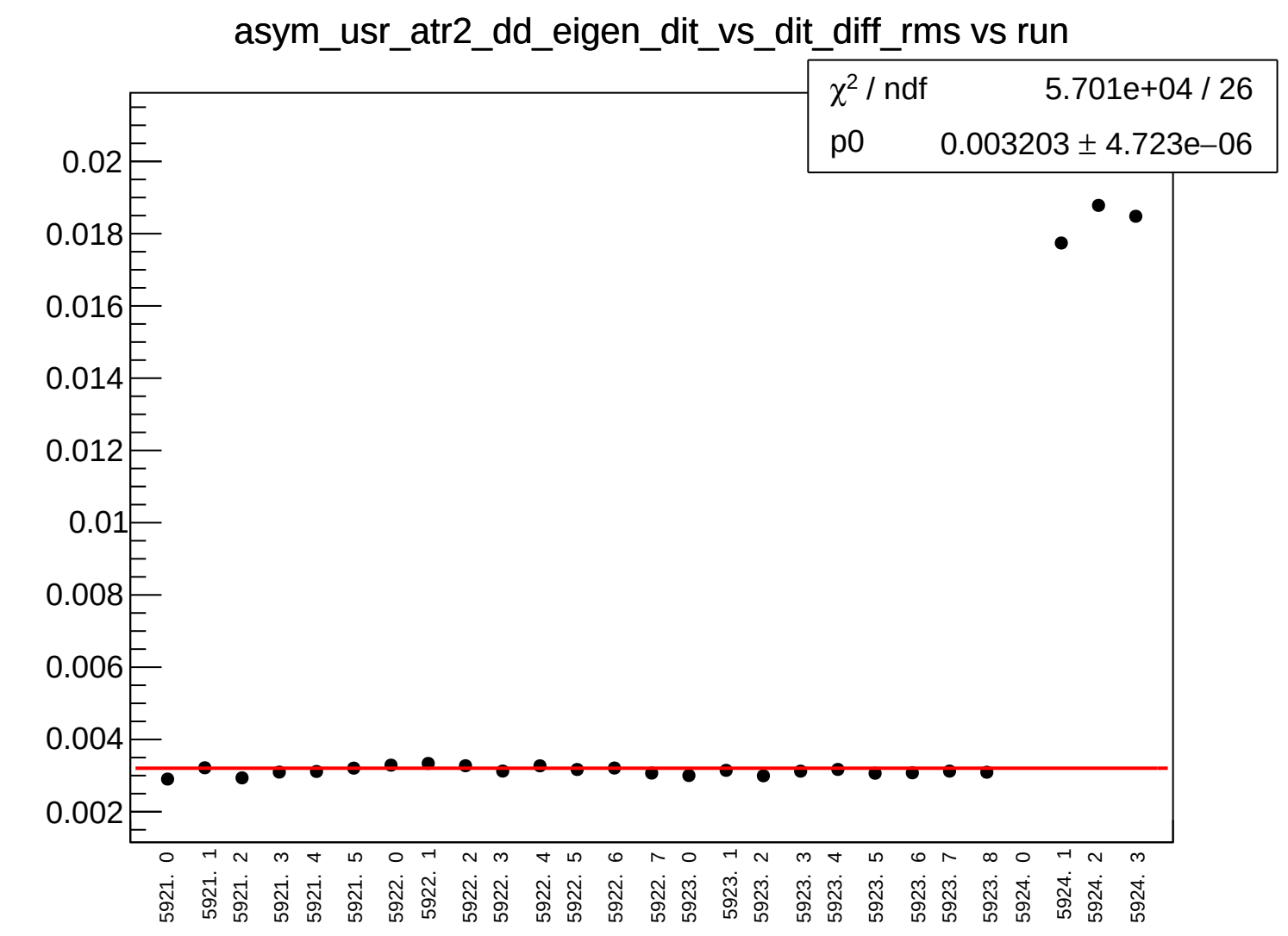

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 21.99 / 26
p0 −0.1179 ± 0.2273
4
2
0
−2
−4
−6
−8
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 21.24
Std Dev 7.295
2.5
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 27
Mean −0.1046
Std Dev 0.8964
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

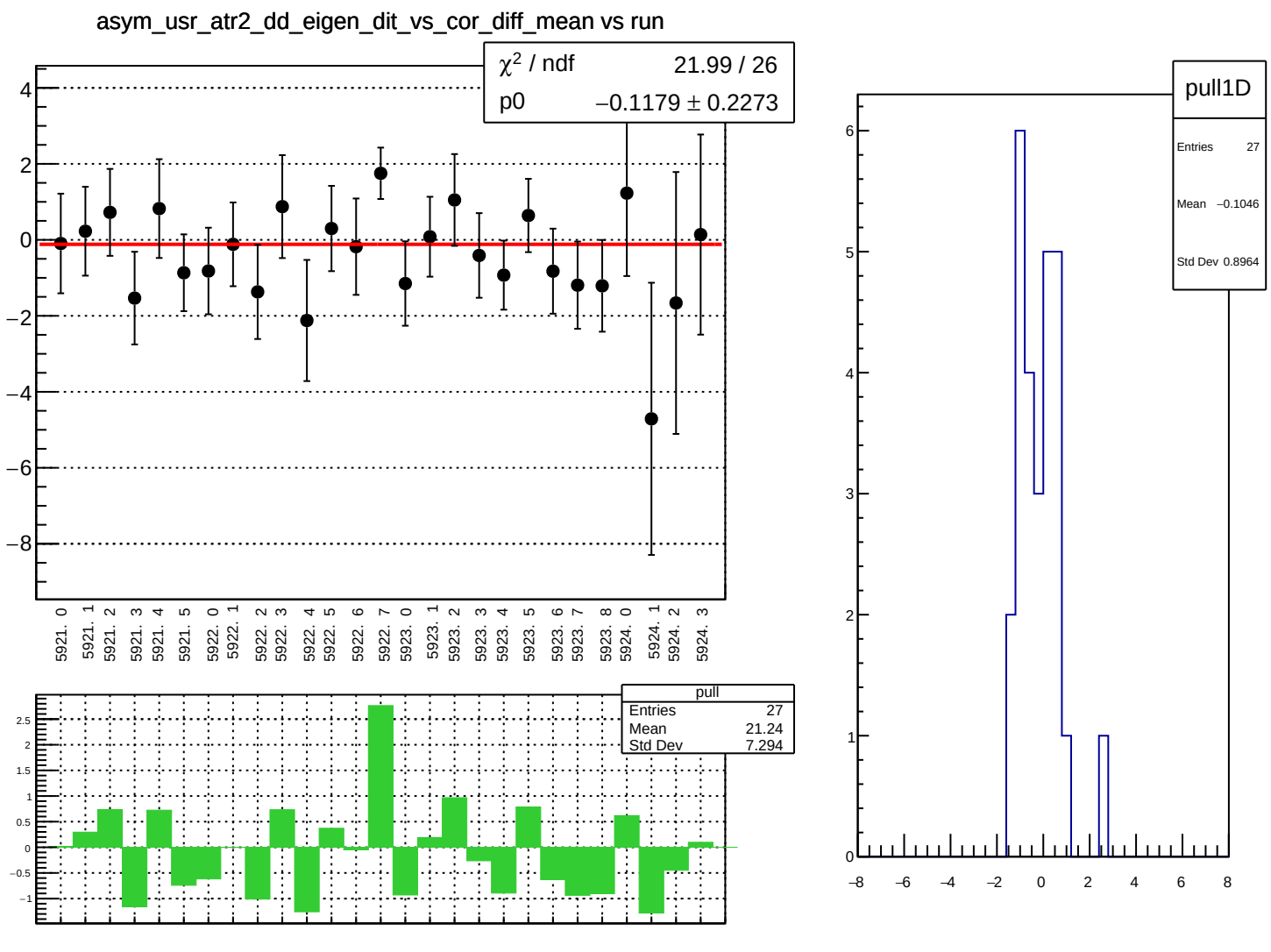

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.902e+04 / 26
p0 111.1 ± 0.1607
350
300
250
200
150
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

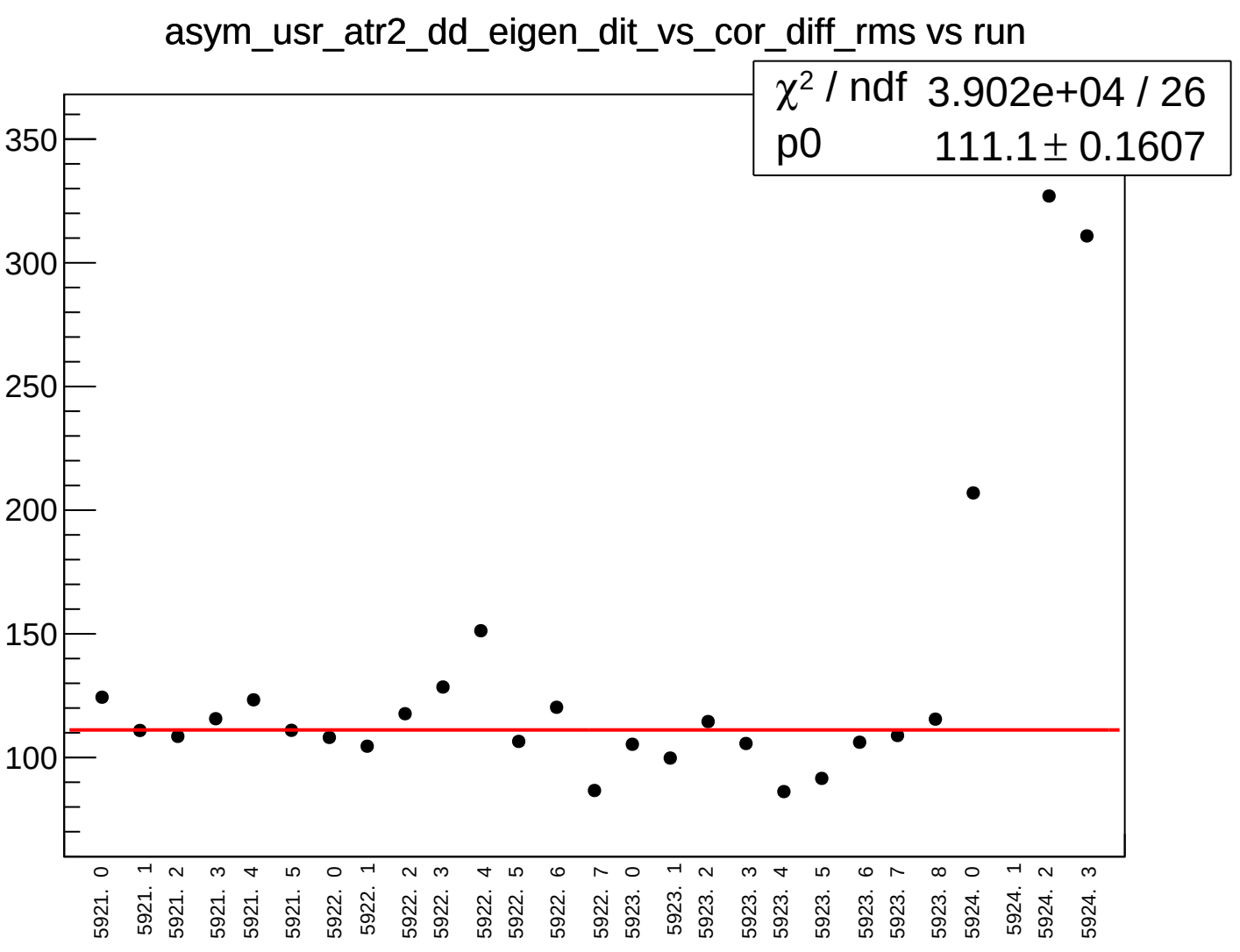

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 21.99 / 26
p0 −0.1179 ± 0.2273
4
2
0
−2
−4
−6
−8
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 21.24
Std Dev 7.295
2.5
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 27
Mean −0.1046
Std Dev 0.8964
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

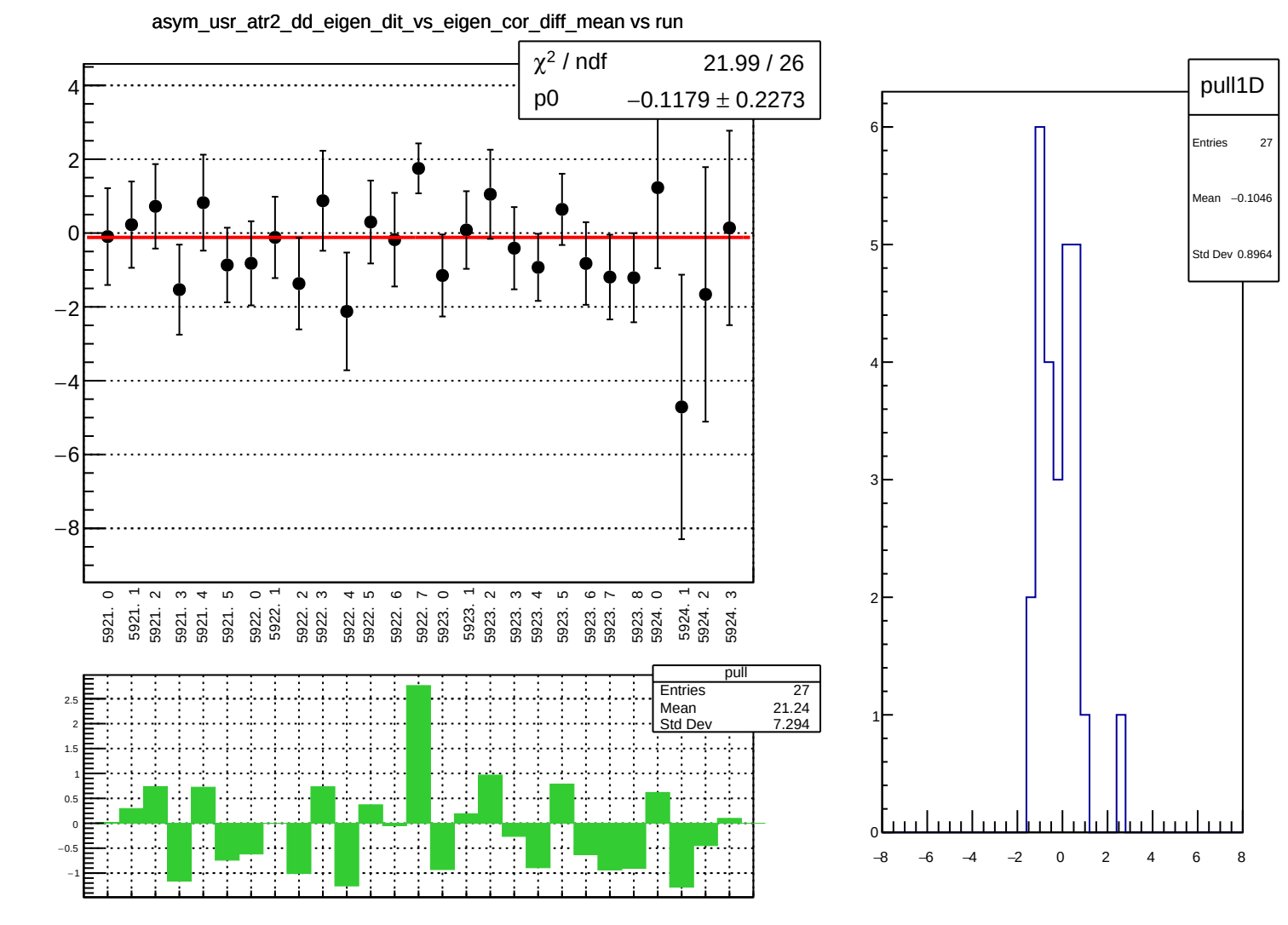

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.902e+04 / 26
p0 111.1 ± 0.1607
350
300
250
200
150
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

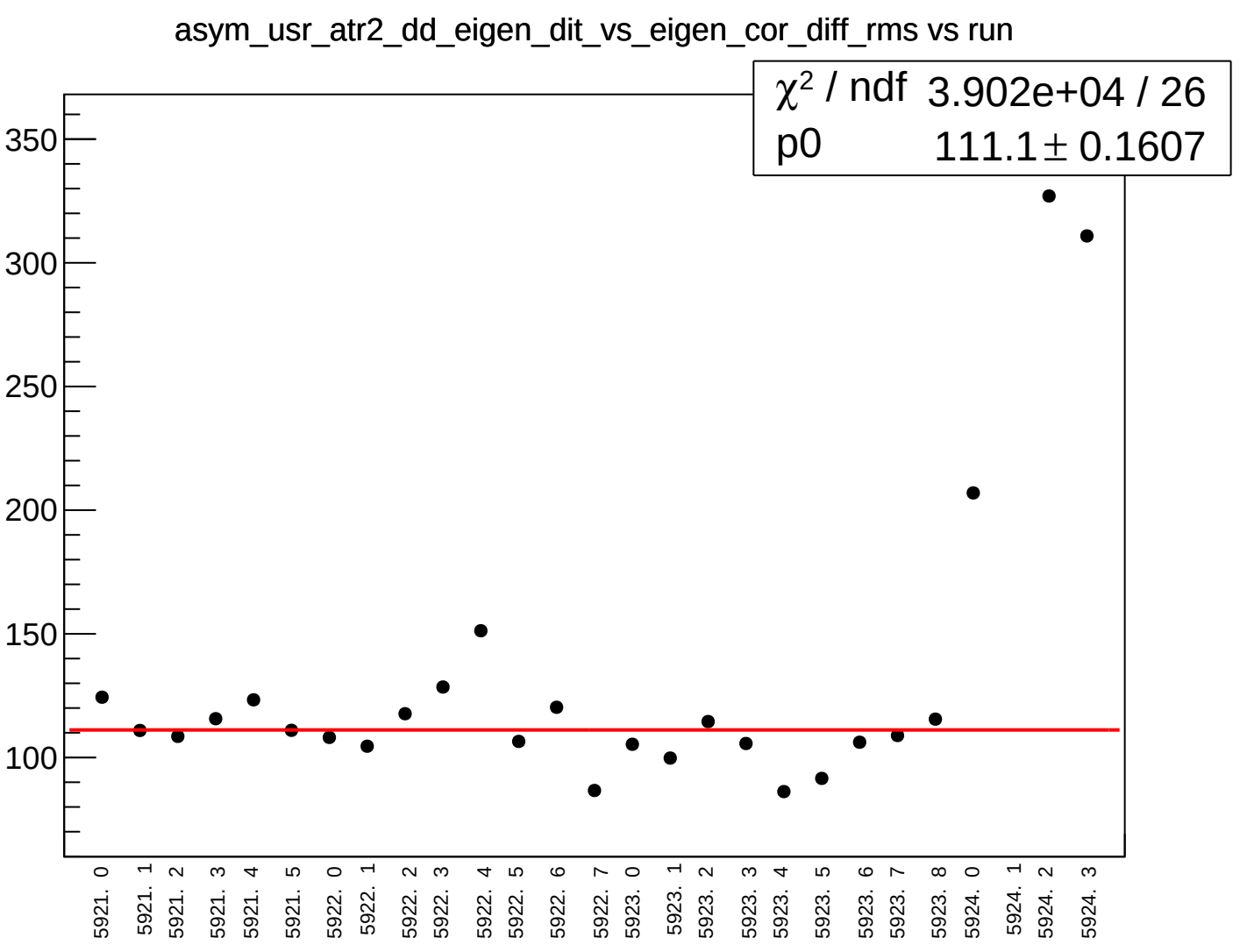

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 31.88 / 26
p0 2.798e−06 ± 6.679e−06
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 109.9
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 27
Mean −0.01936
Std Dev 1.086
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

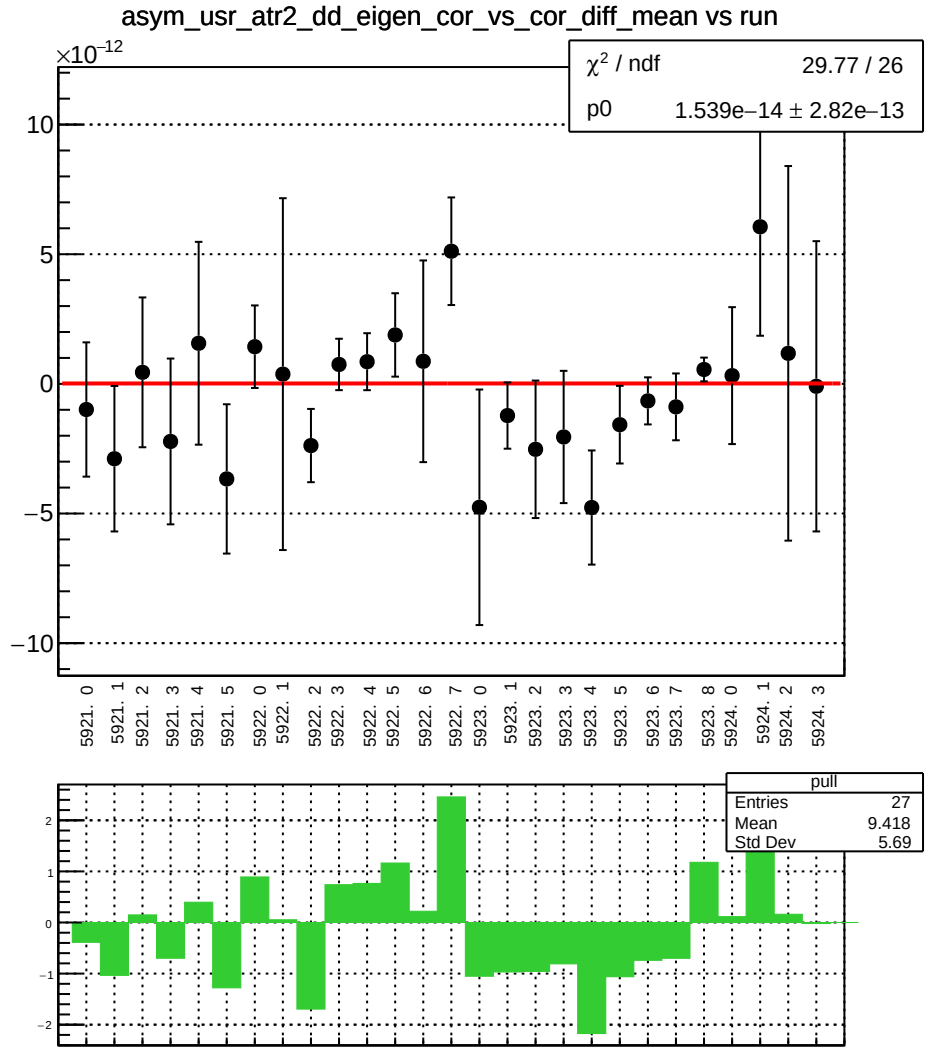

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5.701e+04 / 26
p0 0.003203 ± 4.723e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

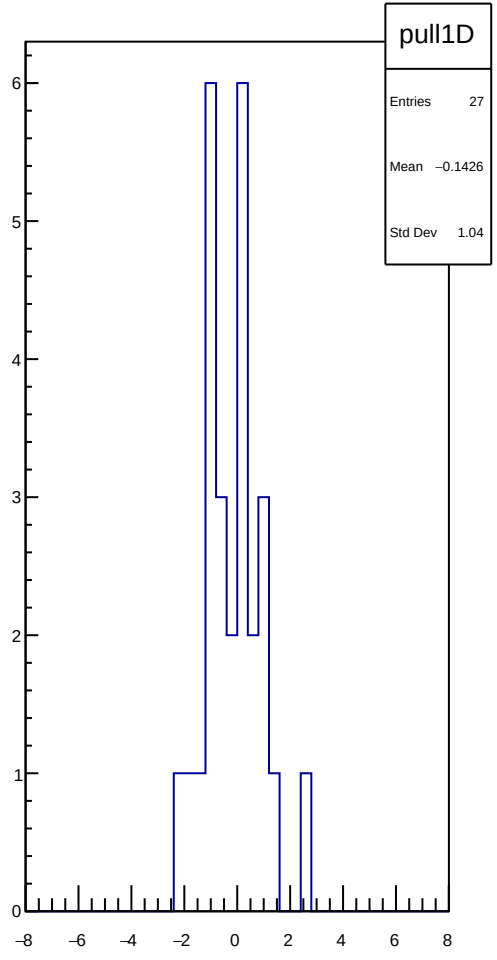

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 21.99 / 26
p0 −0.1179 ± 0.2273
pull
Entries 27
Mean 21.24
Std Dev 7.294
pull1D
Entries 27
Mean −0.1046
Std Dev 0.8964

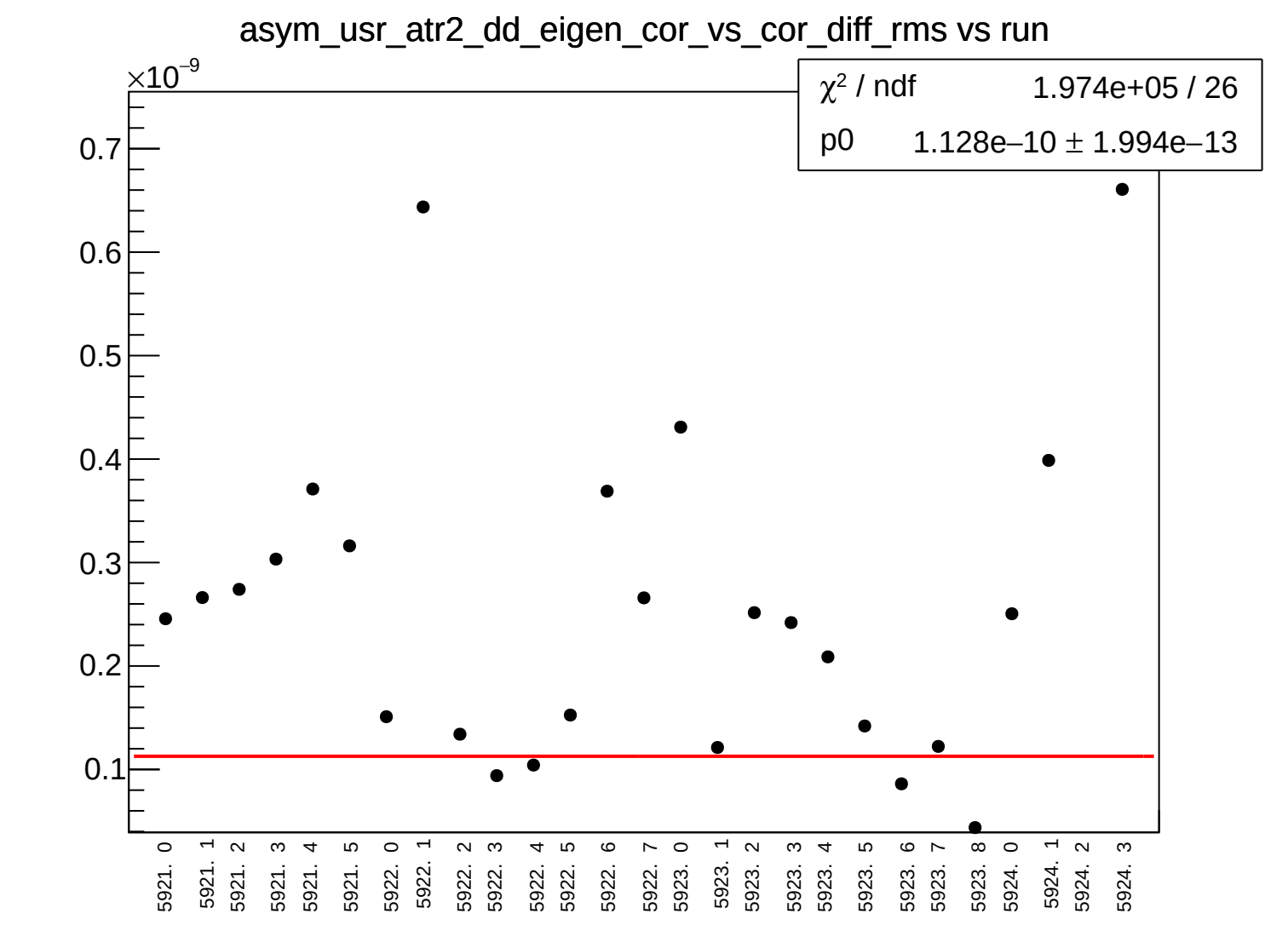

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.902e+04 / 26
p0 111.1 ± 0.1607
350
300
250
200
150
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

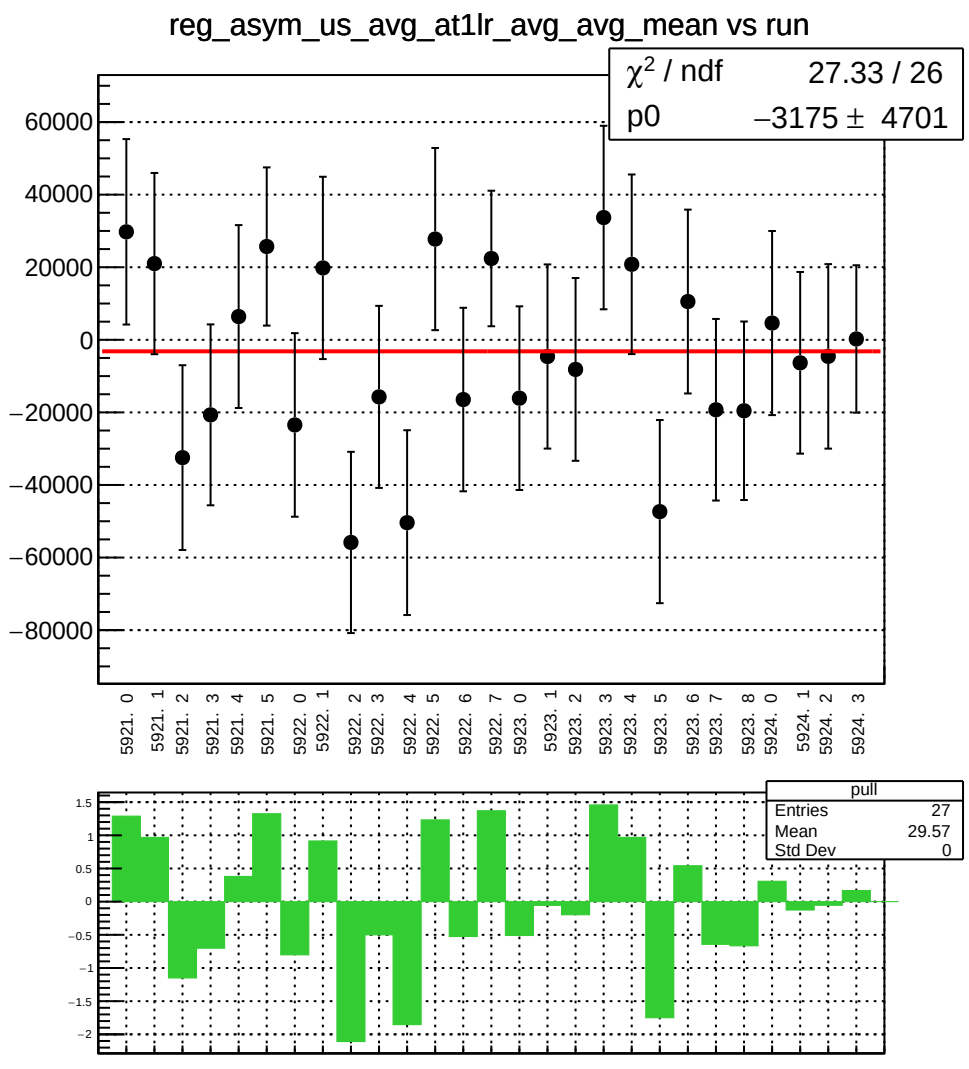

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 21.99 / 26
p0 −0.1179 ± 0.2273
4
2
0
−2
−4
−6
−8
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 21.24
Std Dev 7.294
2.5
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 27
Mean −0.1046
Std Dev 0.8964
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

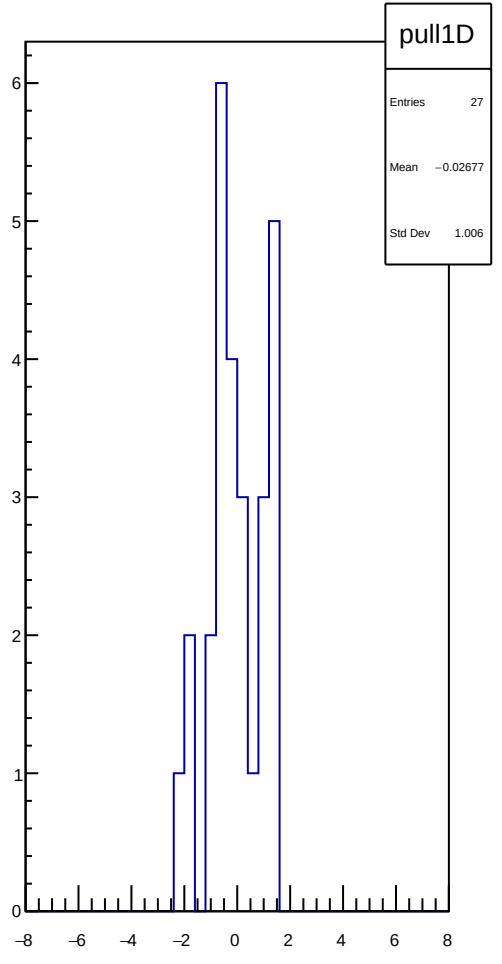

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.902e+04 / 26
p0 111.1 ± 0.1607
350
300
250
200
150
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

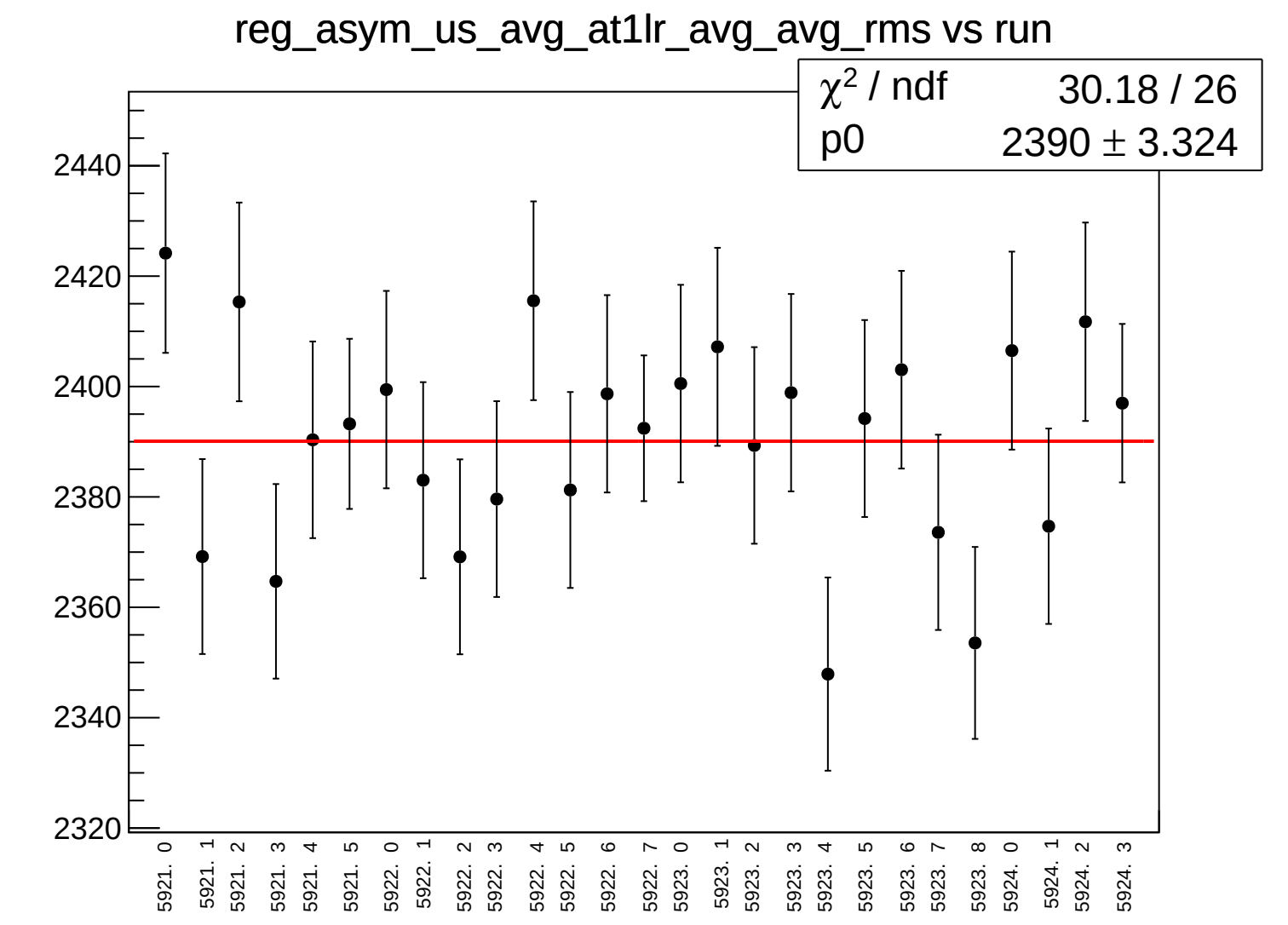

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 29.77 / 26
p0 1.539e−14 ± 2.82e−13
10
5
0
−5
−10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 9.418
Std Dev 5.69
2
1
0
−1
−2

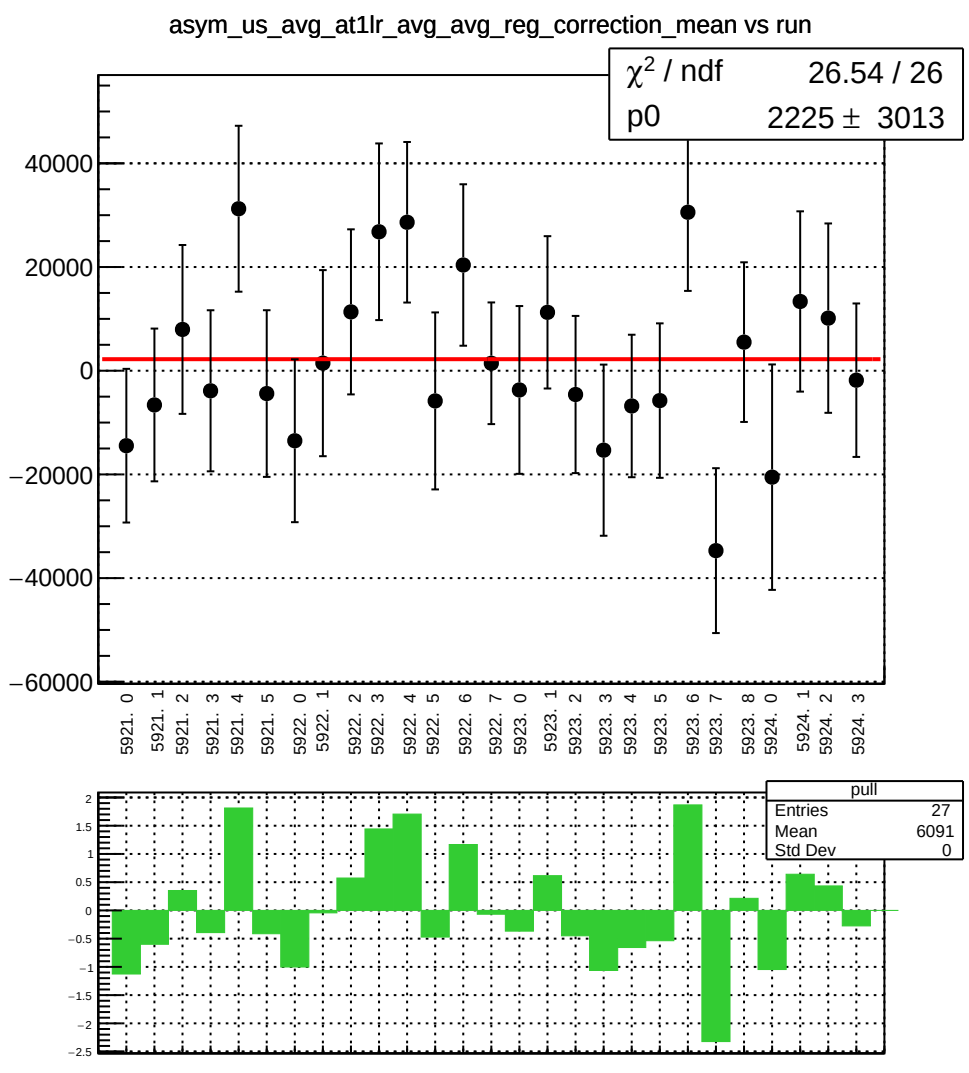

pull1D
Entries 27
Mean −0.1426
Std Dev 1.04
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

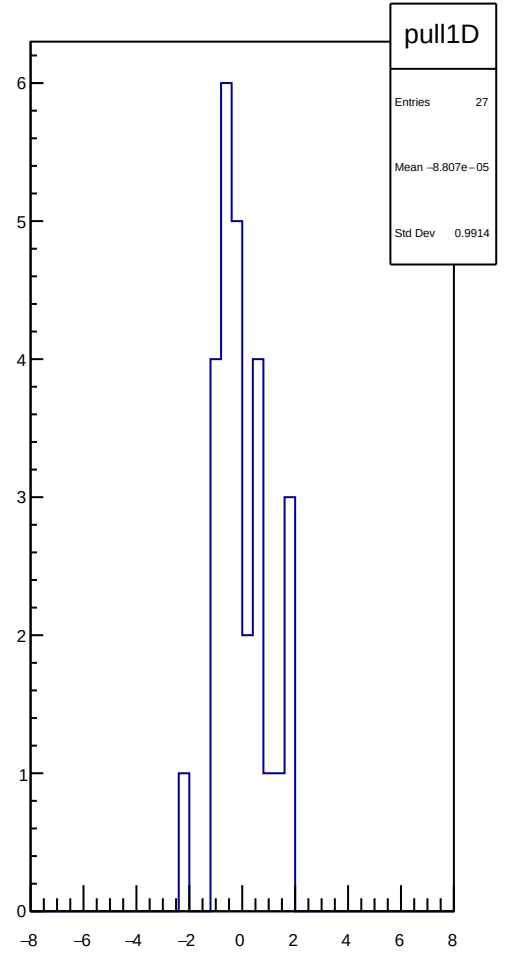

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.974e+05 / 26
p0 1.128e−10 ± 1.994e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

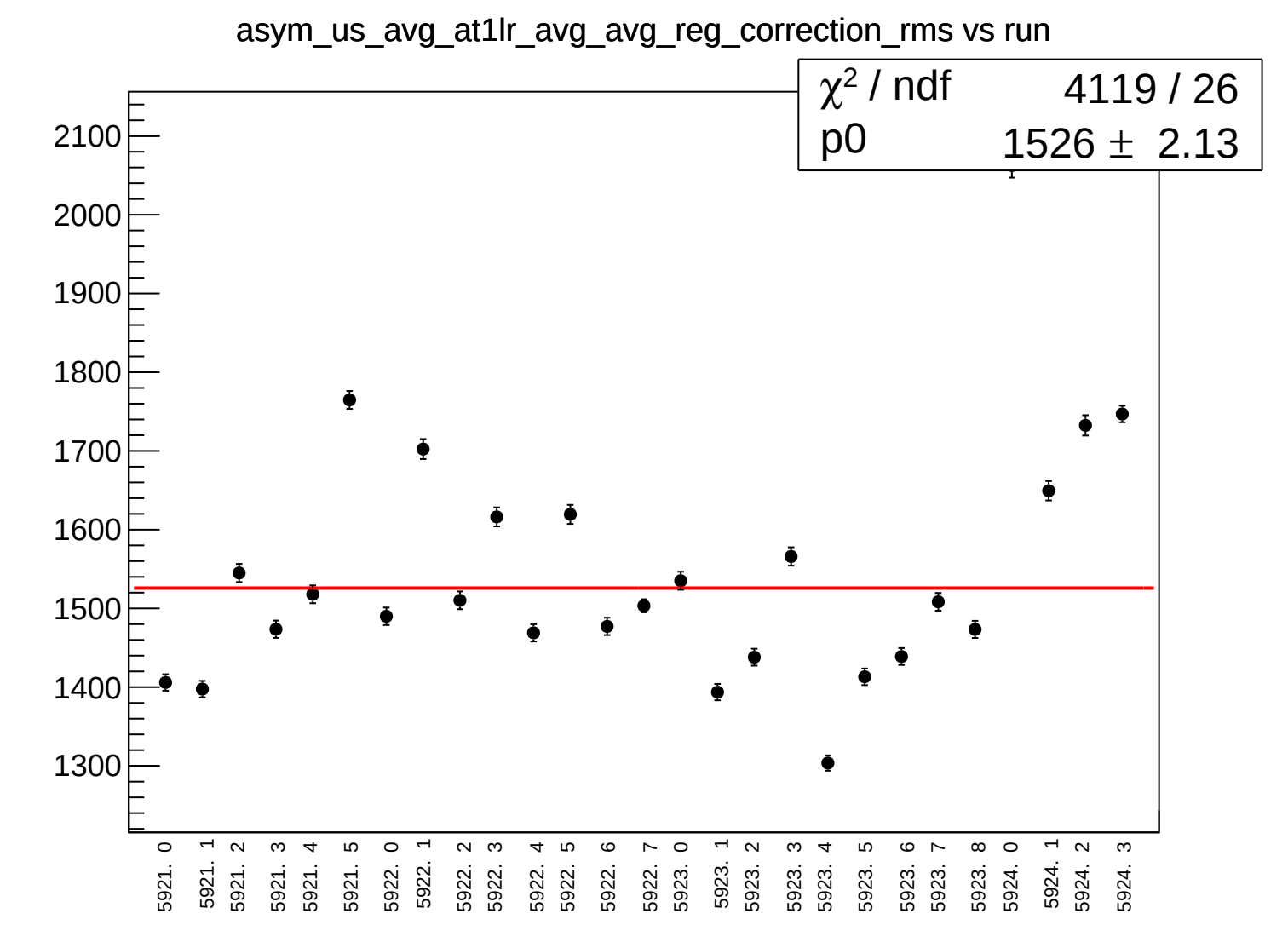

reg_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 27.33 / 26
p0 −3175 ± 4701
60000
40000
20000
0
−20000
−40000
−60000
−80000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 29.57
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

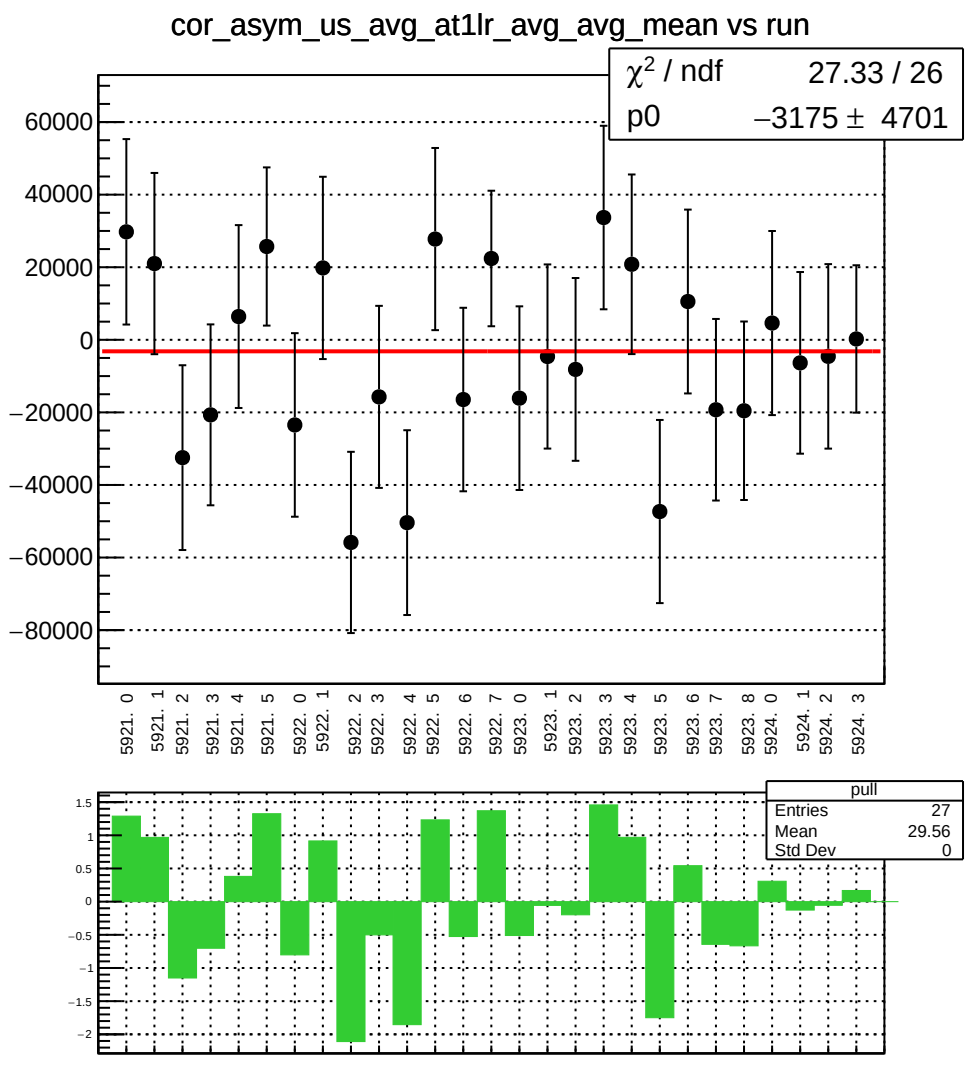

pull1D
Entries 27
Mean −0.02677
Std Dev 1.006
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

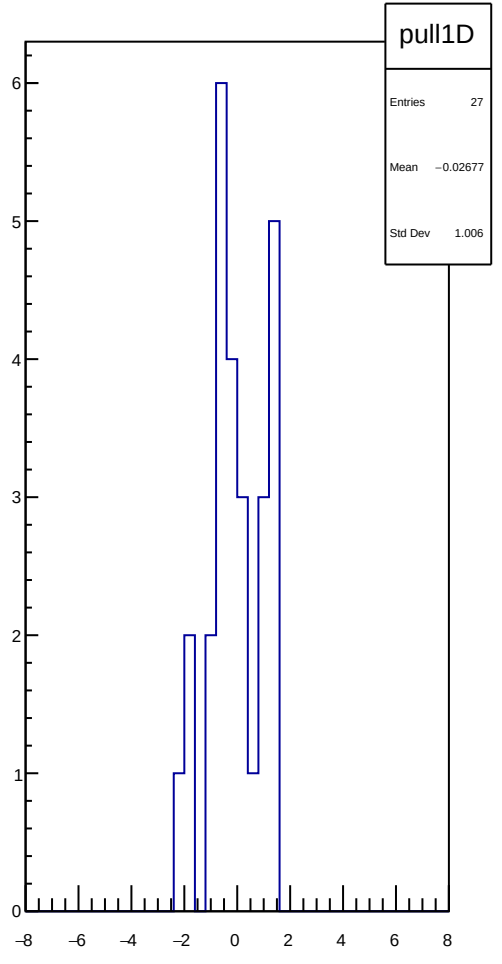

reg_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 30.18 / 26
p0 2390 ± 3.324
2440
2420
2400
2380
2360
2340
2320
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

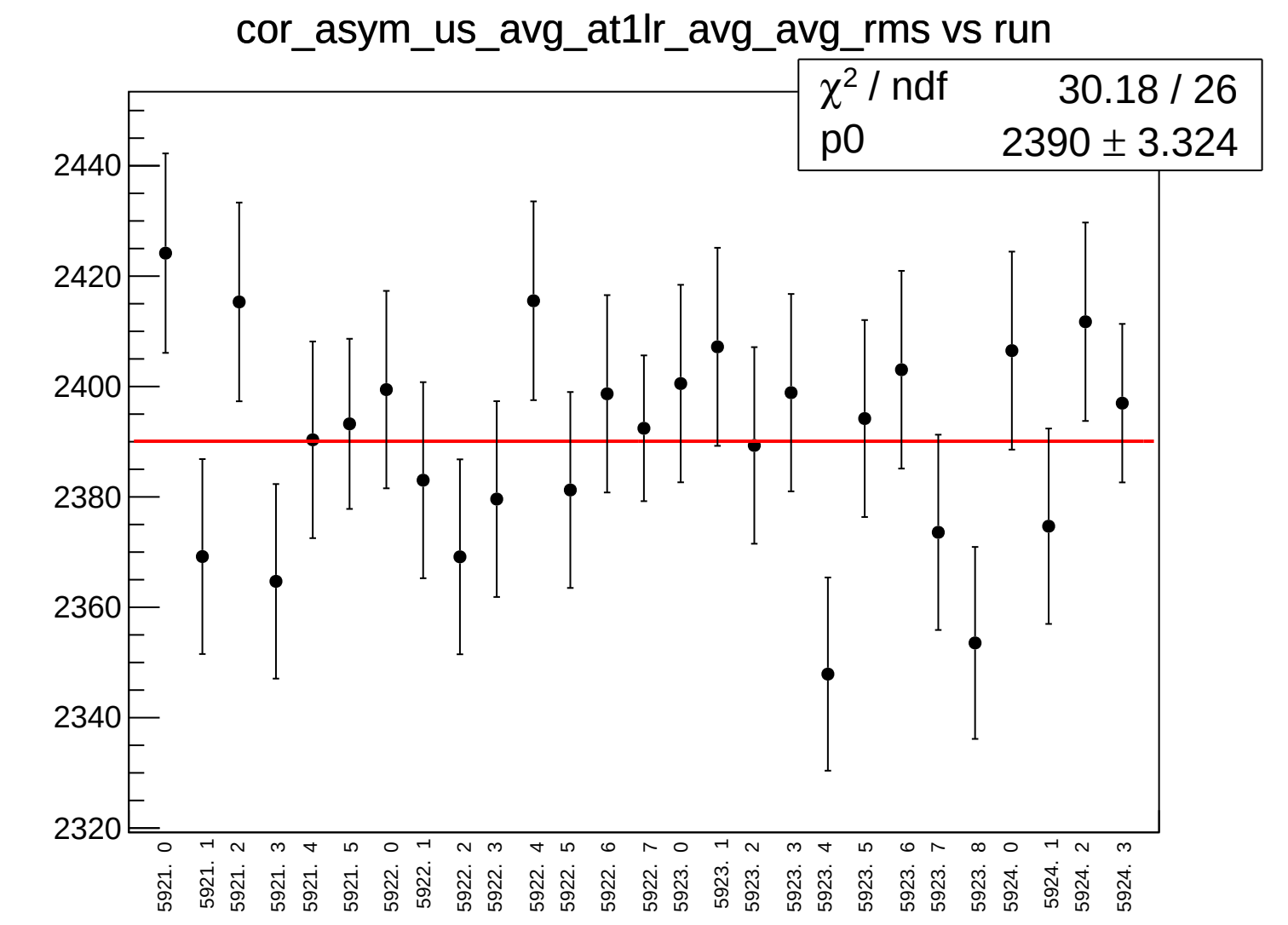

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs run
χ² / ndf 26.54 / 26
p0 2225 ± 3013
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 6091
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

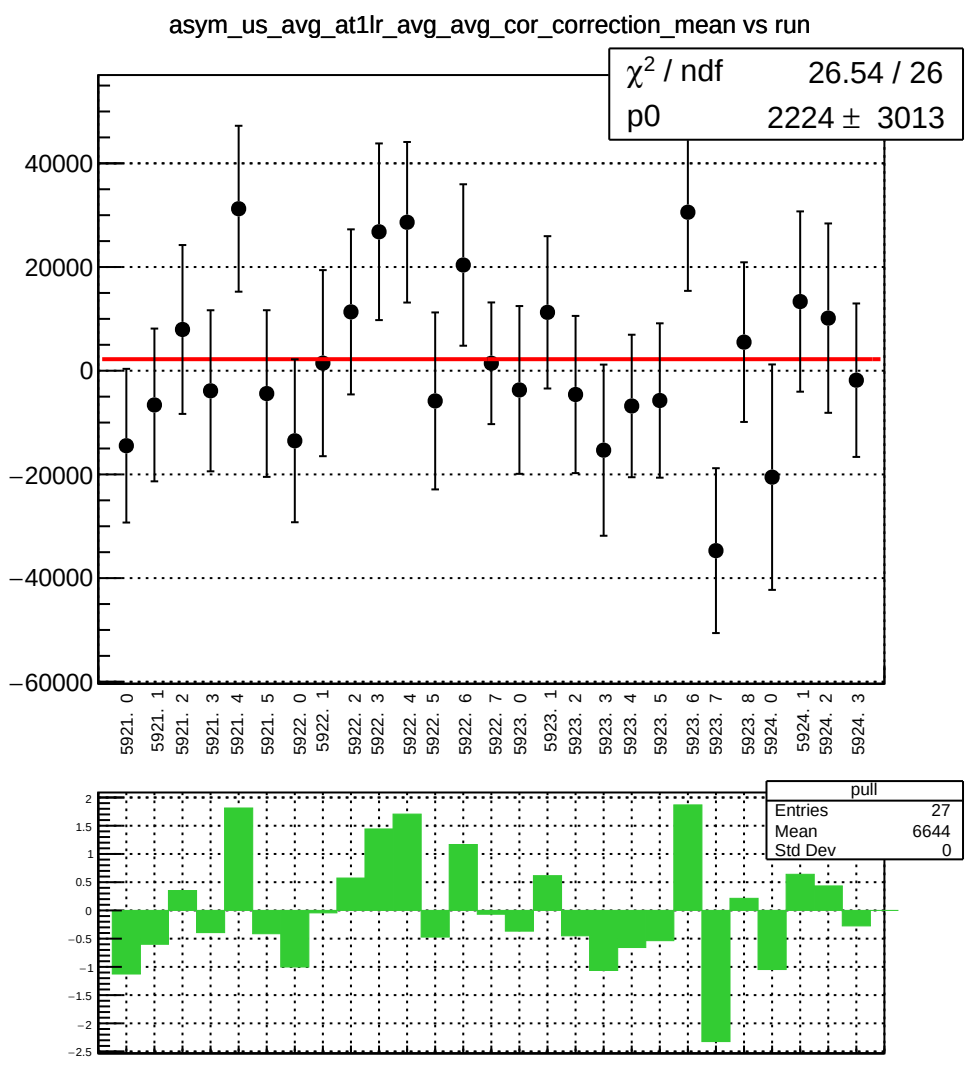

pull1D
Entries 27
Mean −8.807e−05
Std Dev 0.9914
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

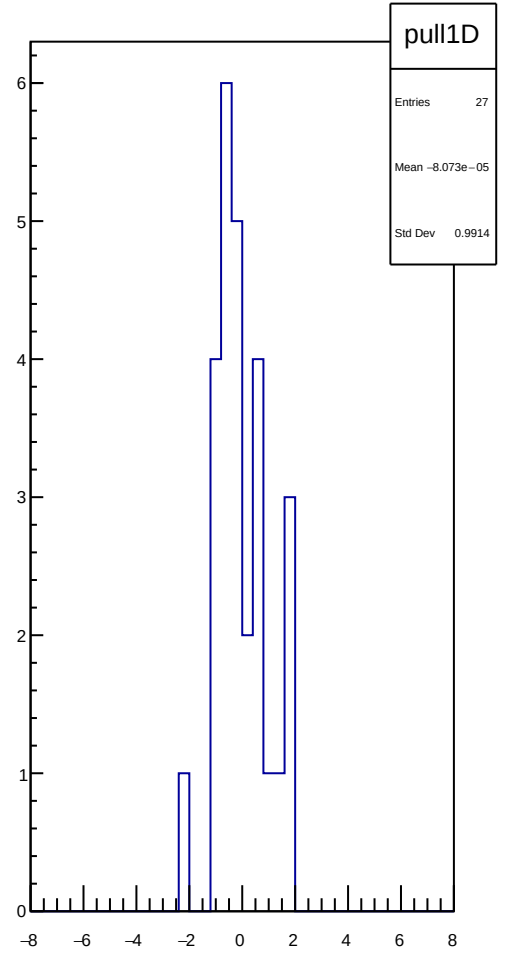

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs run
χ² / ndf 4119 / 26
p0 1526 ± 2.13
2100
2000
1900
1800
1700
1600
1500
1400
1300
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

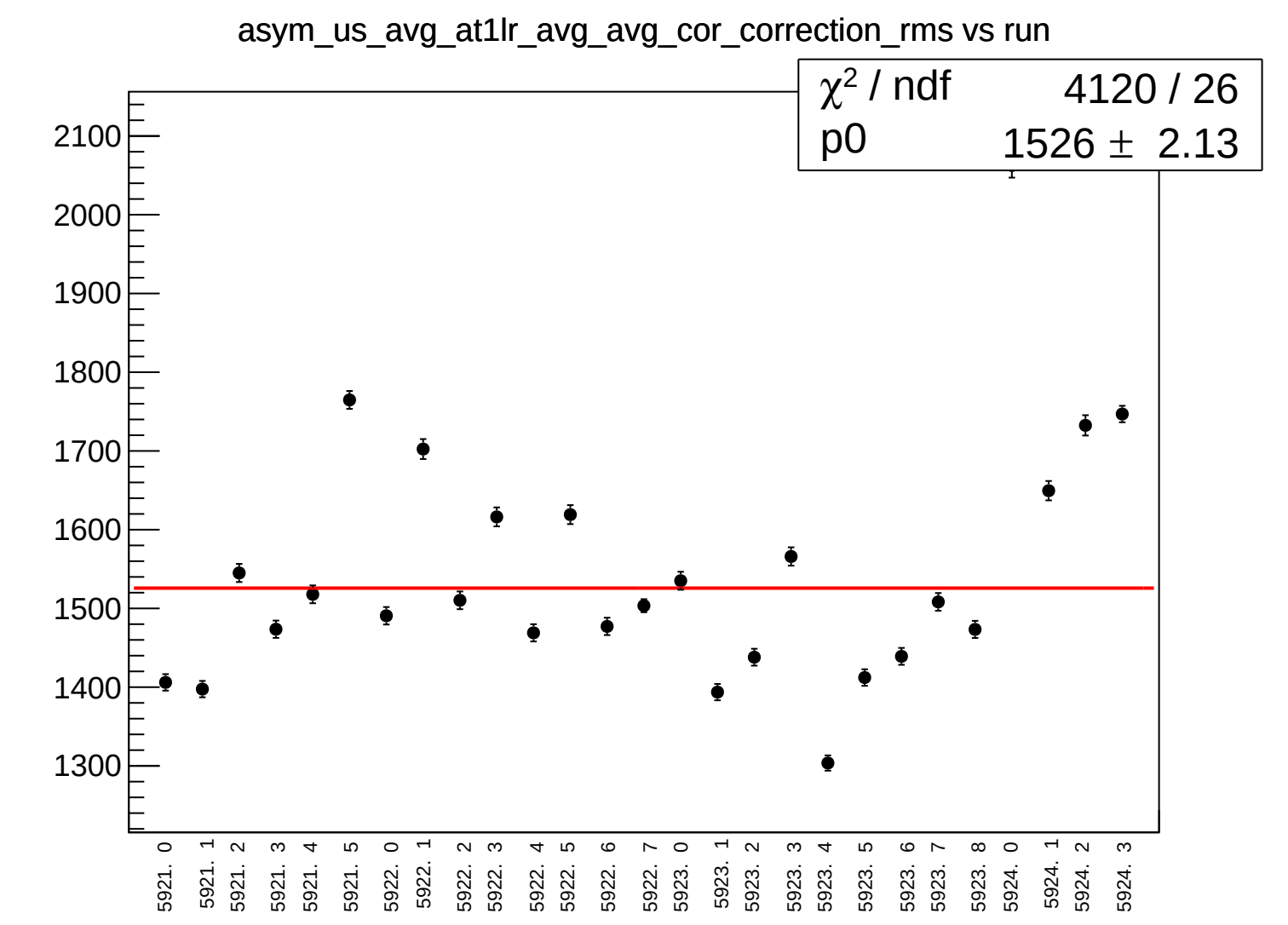

cor_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 27.33 / 26
p0 −3175 ± 4701
60000
40000
20000
0
−20000
−40000
−60000
−80000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 29.56
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

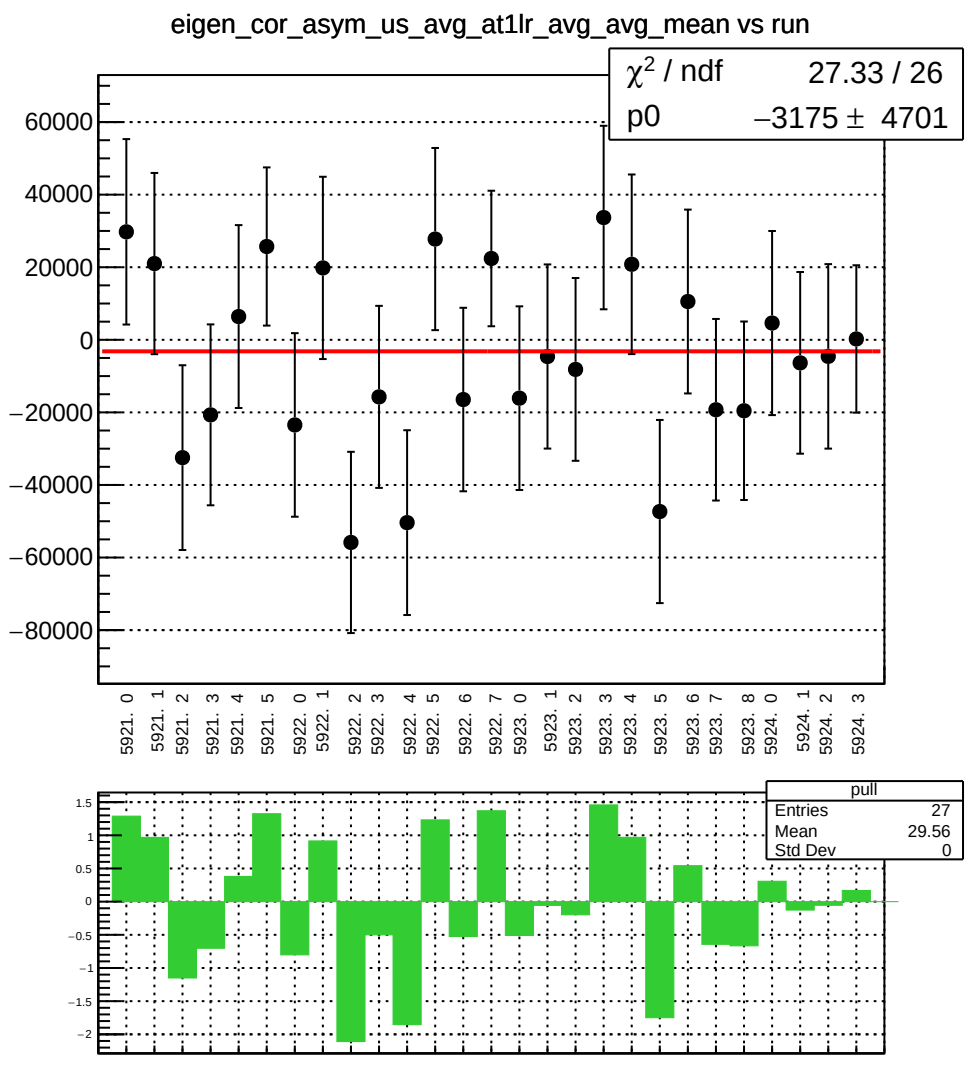

pull1D
Entries 27
Mean −0.02677
Std Dev 1.006
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

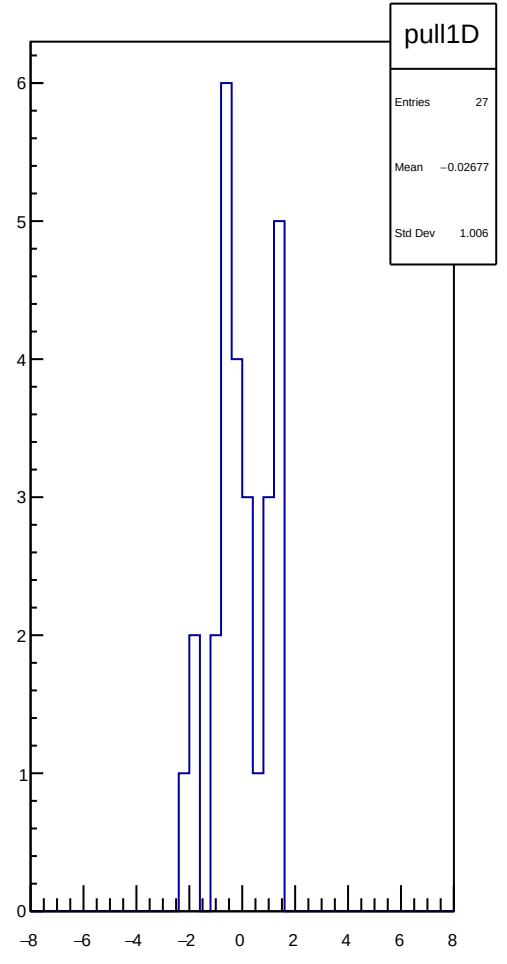

cor_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 30.18 / 26
p0 2390 ± 3.324
2440
2420
2400
2380
2360
2340
2320
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

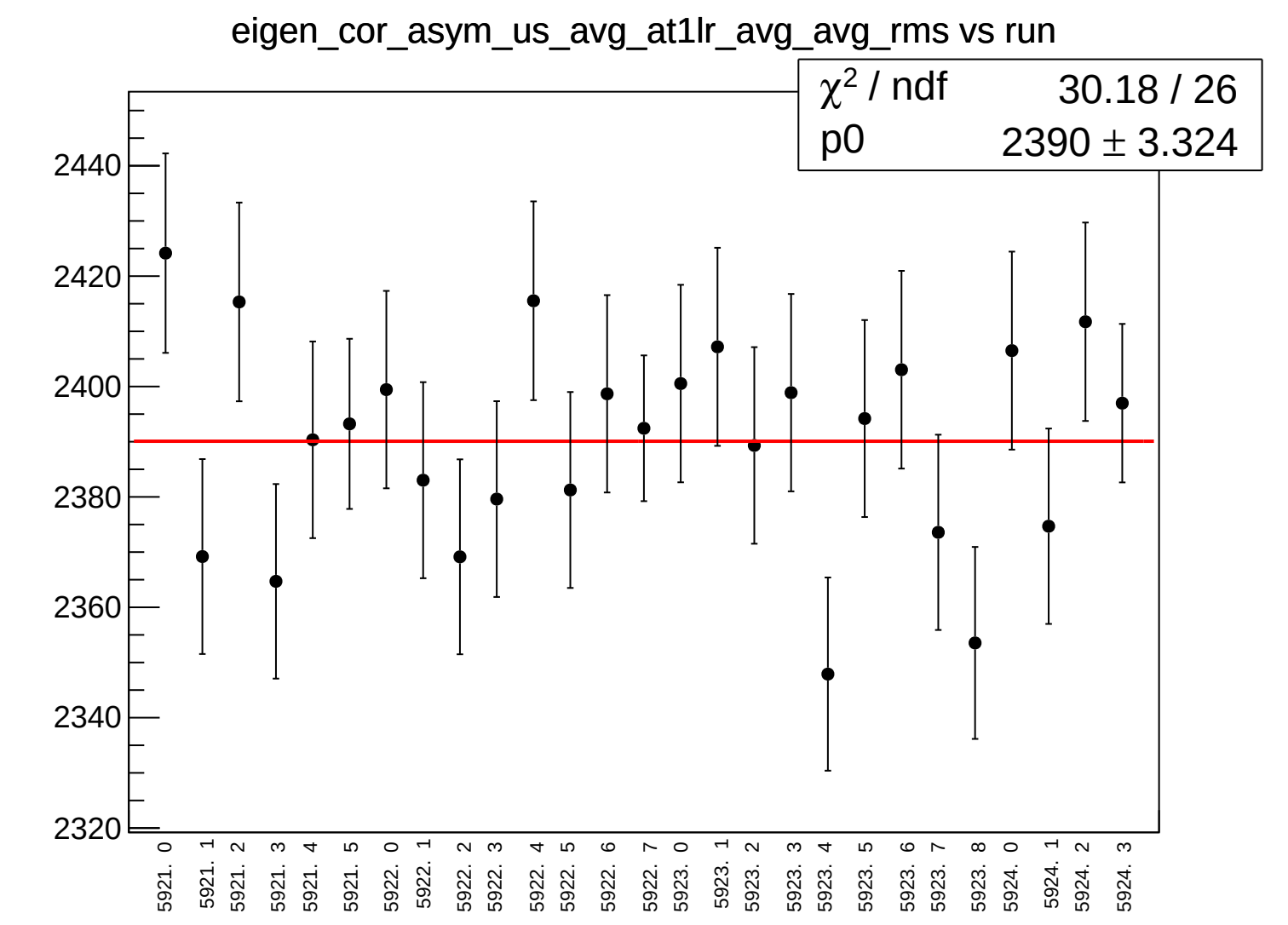

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs run
χ² / ndf 26.54 / 26
p0 2224 ± 3013
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 6644
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

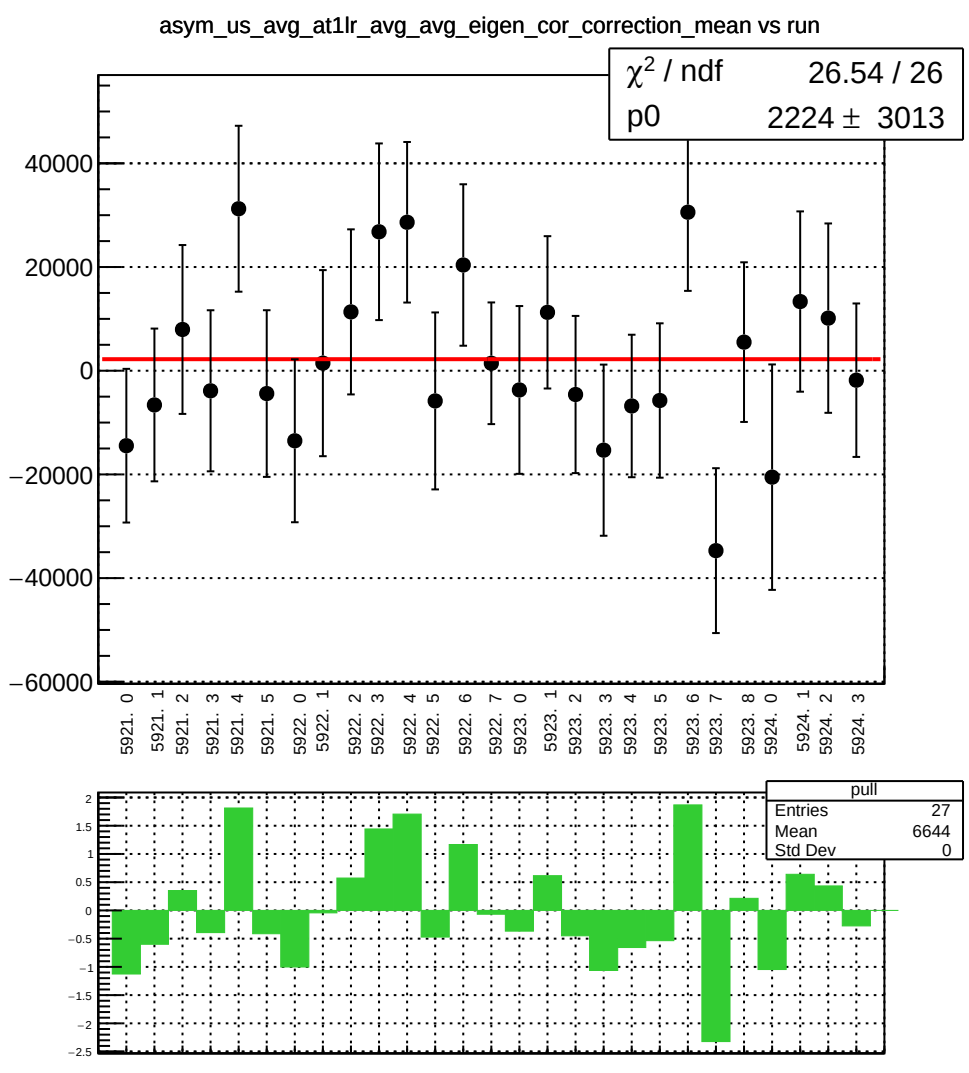

pull1D
Entries 27
Mean −8.073e−05
Std Dev 0.9914
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

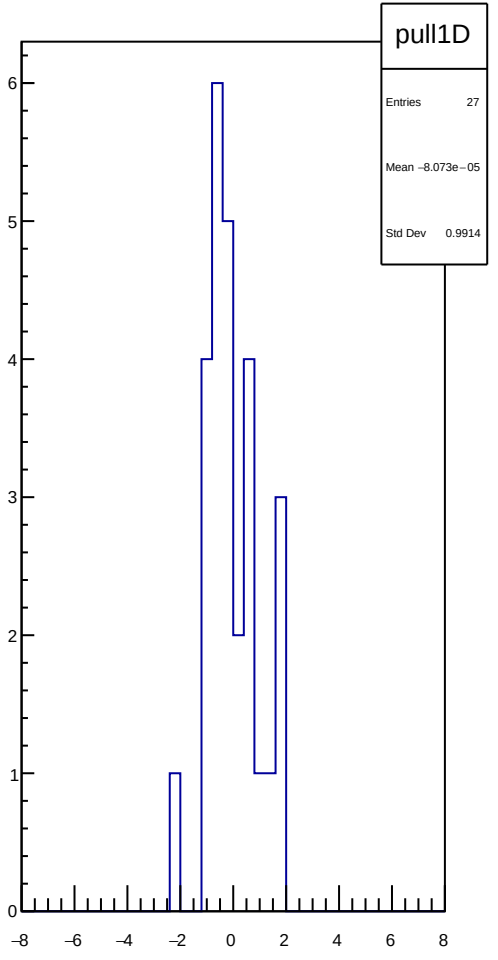

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs run
χ² / ndf 4120 / 26
p0 1526 ± 2.13
2100
2000
1900
1800
1700
1600
1500
1400
1300
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

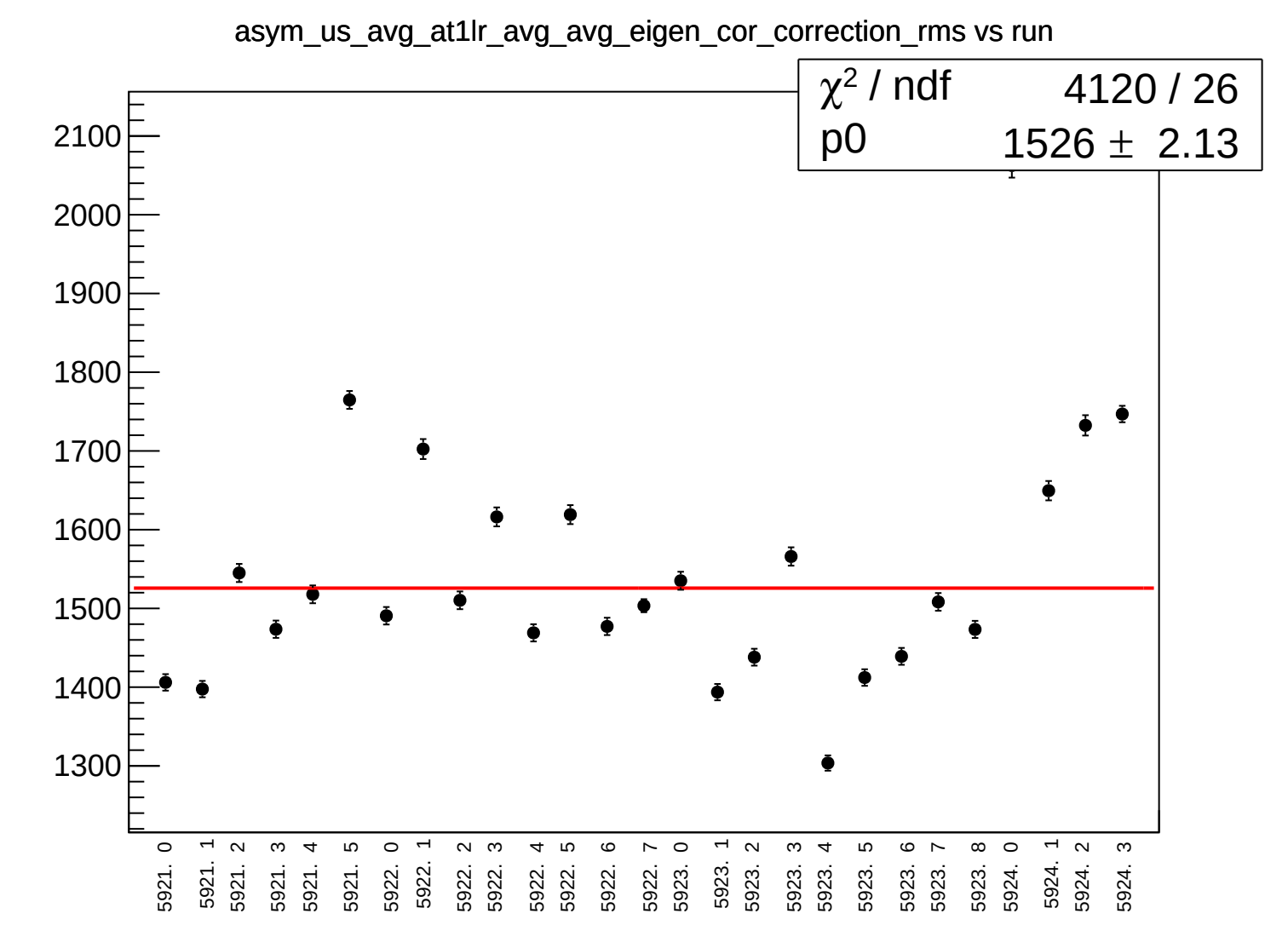

eigen_cor_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 27.33 / 26
p0 −3175 ± 4701
60000
40000
20000
0
−20000
−40000
−60000
−80000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 29.56
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

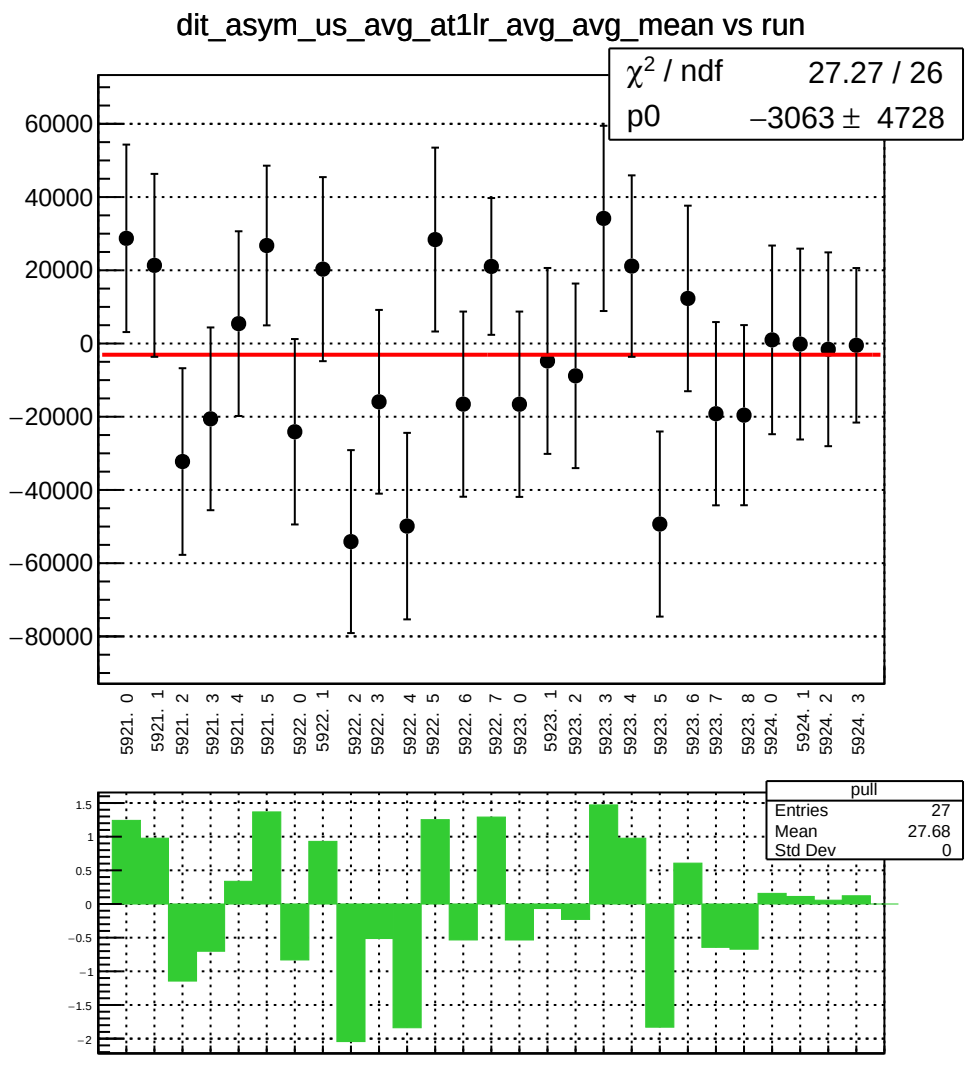

pull1D
Entries 27
Mean −0.02677
Std Dev 1.006
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

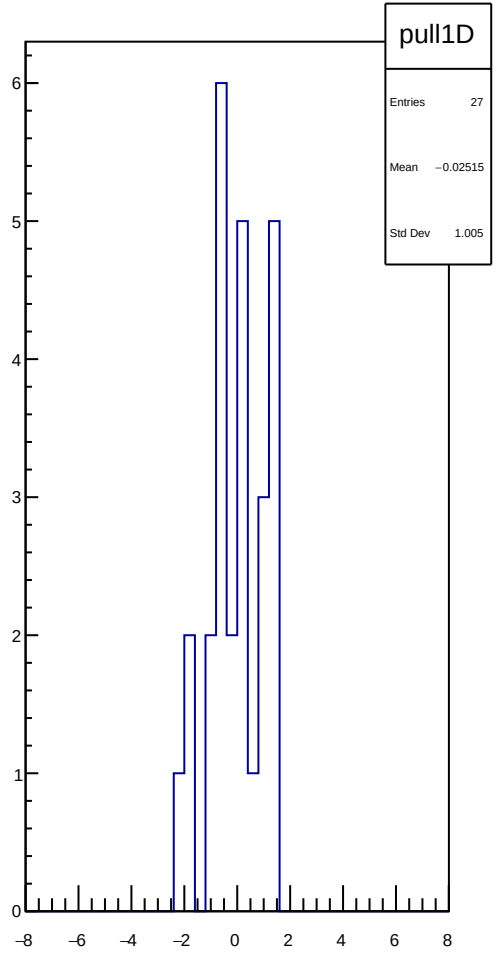

eigen_cor_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 30.18 / 26
p0 2390 ± 3.324
2440
2420
2400
2380
2360
2340
2320
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

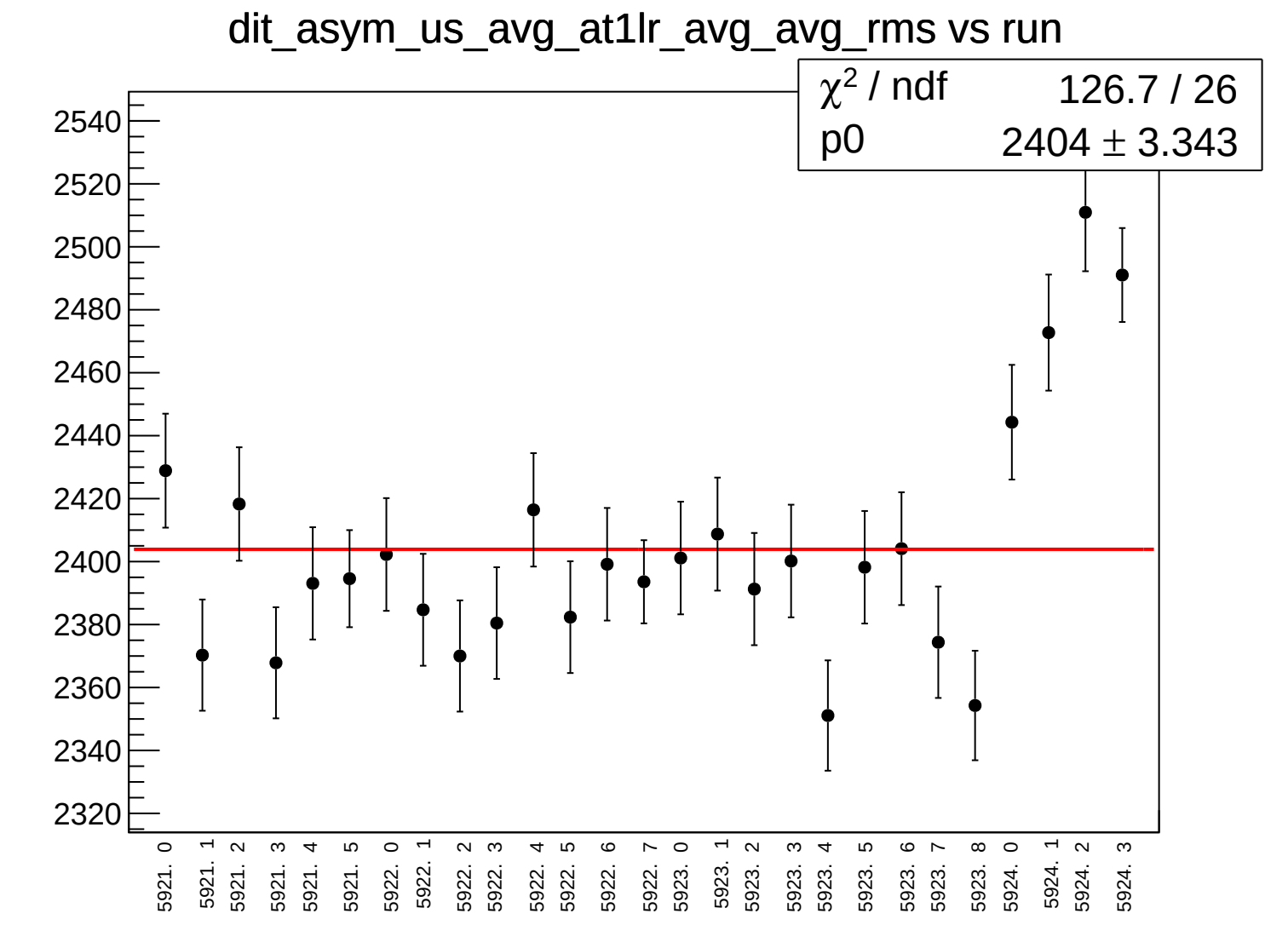

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs run
χ² / ndf 26.54 / 26
p0 2224 ± 3013
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 6644
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

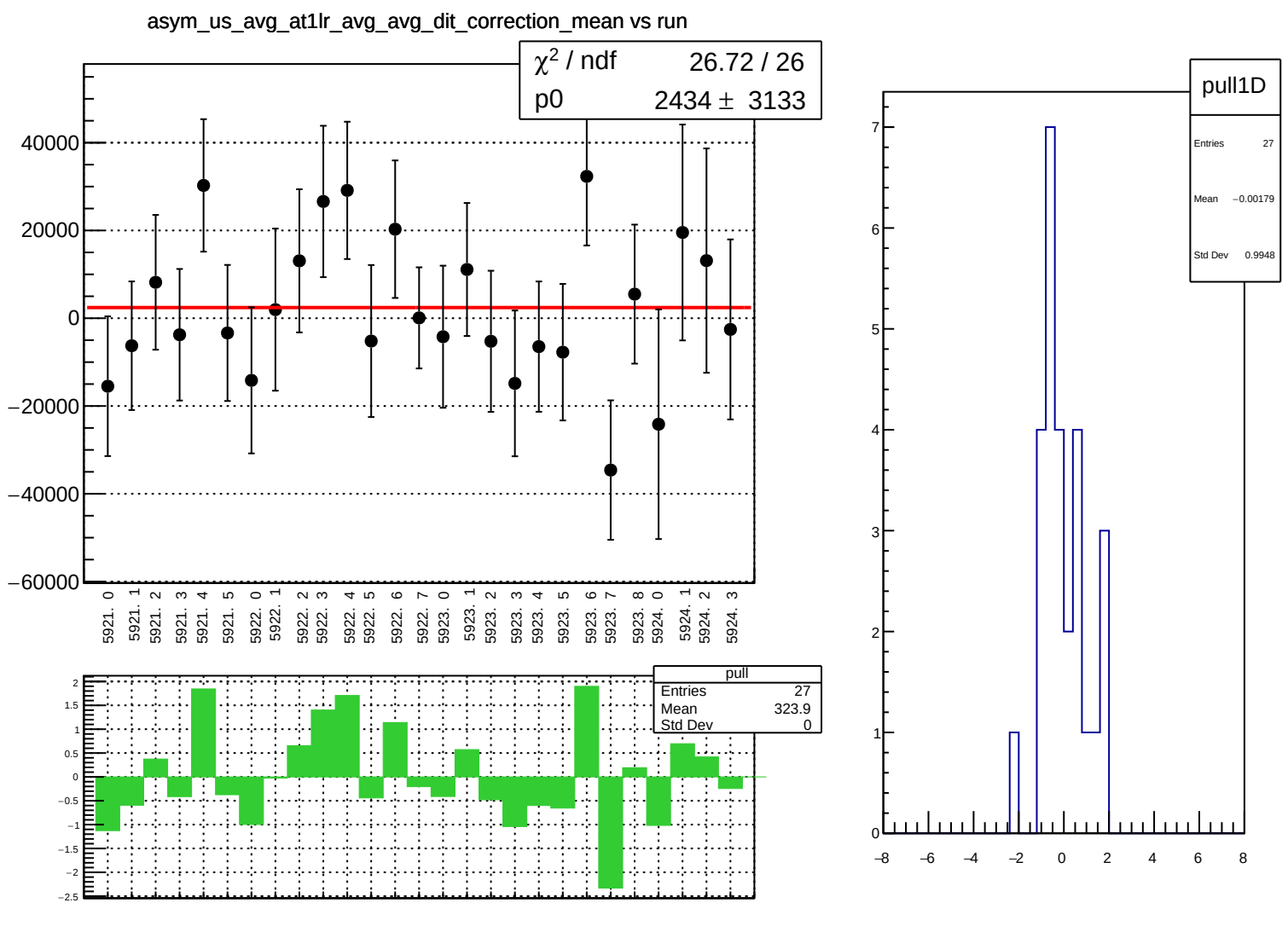

pull1D
Entries 27
Mean −8.073e−05
Std Dev 0.9914
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

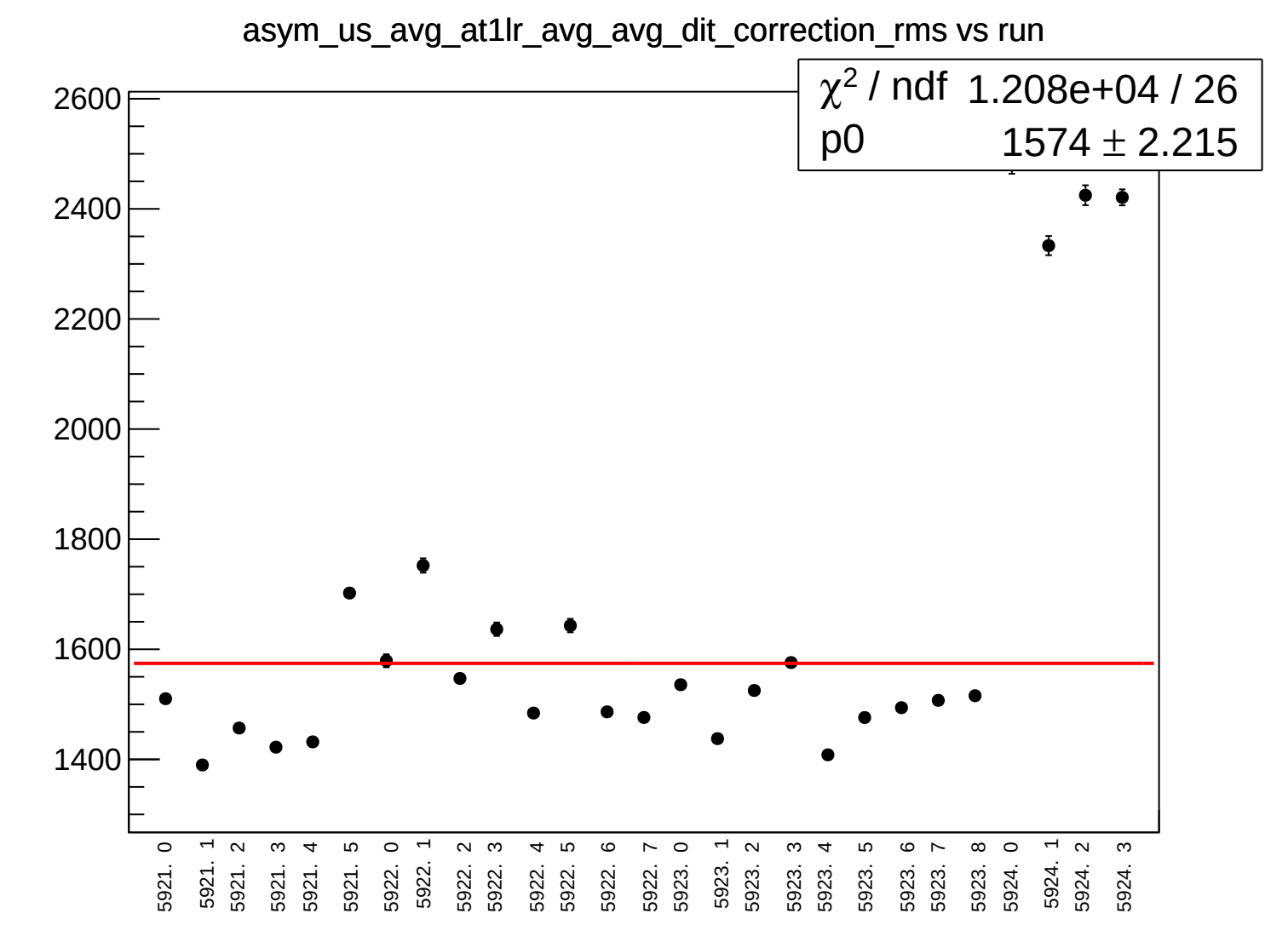

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 4120 / 26
p0 1526 ± 2.13
2100
2000
1900
1800
1700
1600
1500
1400
1300
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

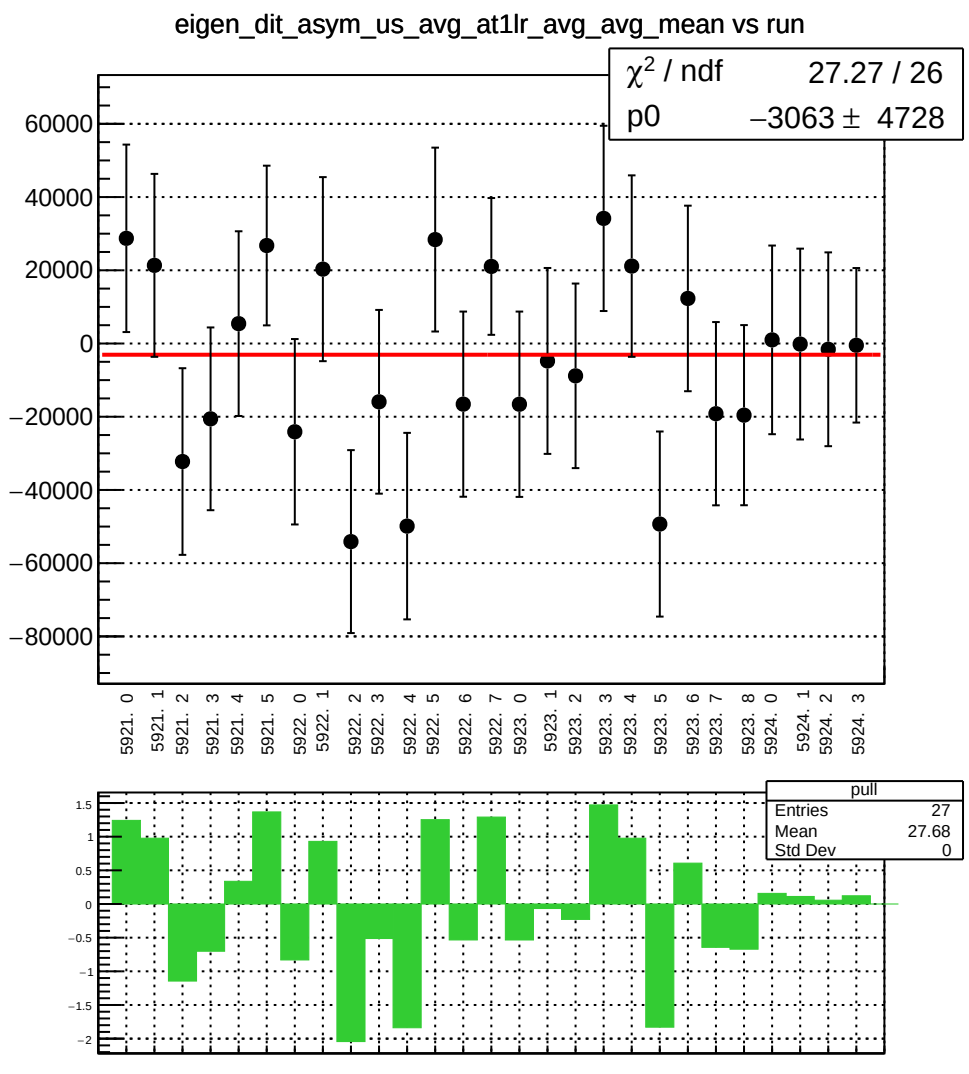

dit_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 27.27 / 26
p0 −3063 ± 4728
60000
40000
20000
0
−20000
−40000
−60000
−80000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 27.68
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

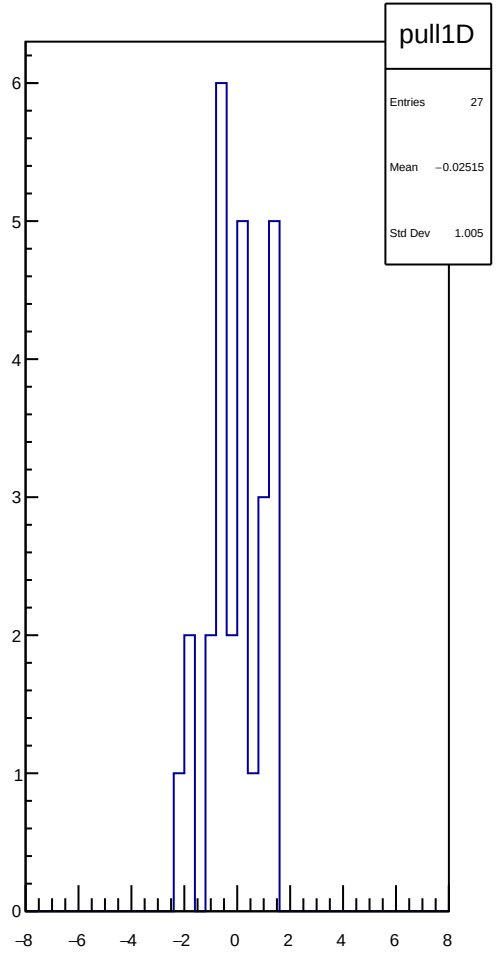

pull1D
Entries 27
Mean −0.02515
Std Dev 1.005
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

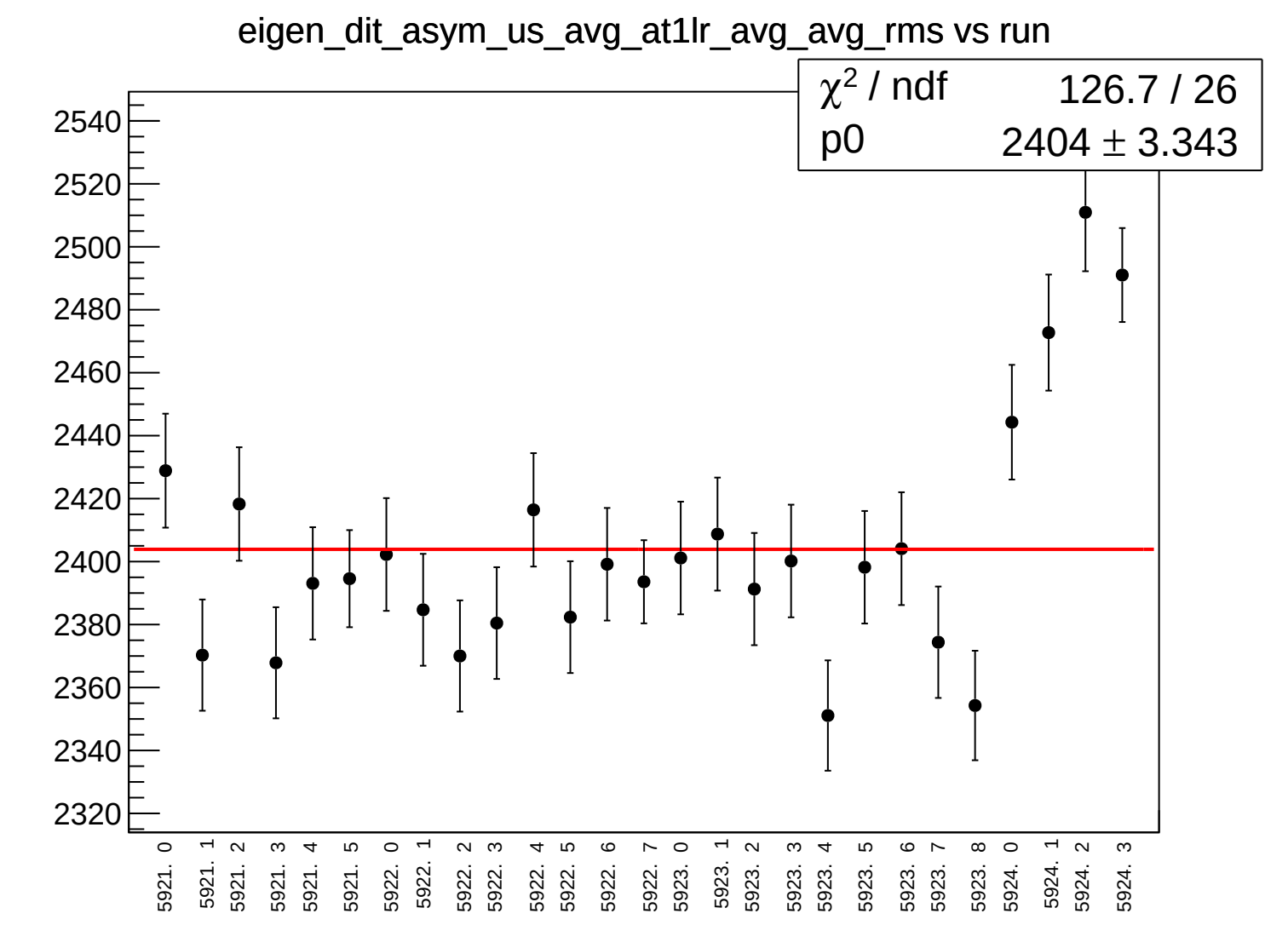

dit_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 126.7 / 26
p0 2404 ± 3.343
2540
2520
2500
2480
2460
2440
2420
2400
2380
2360
2340
2320
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

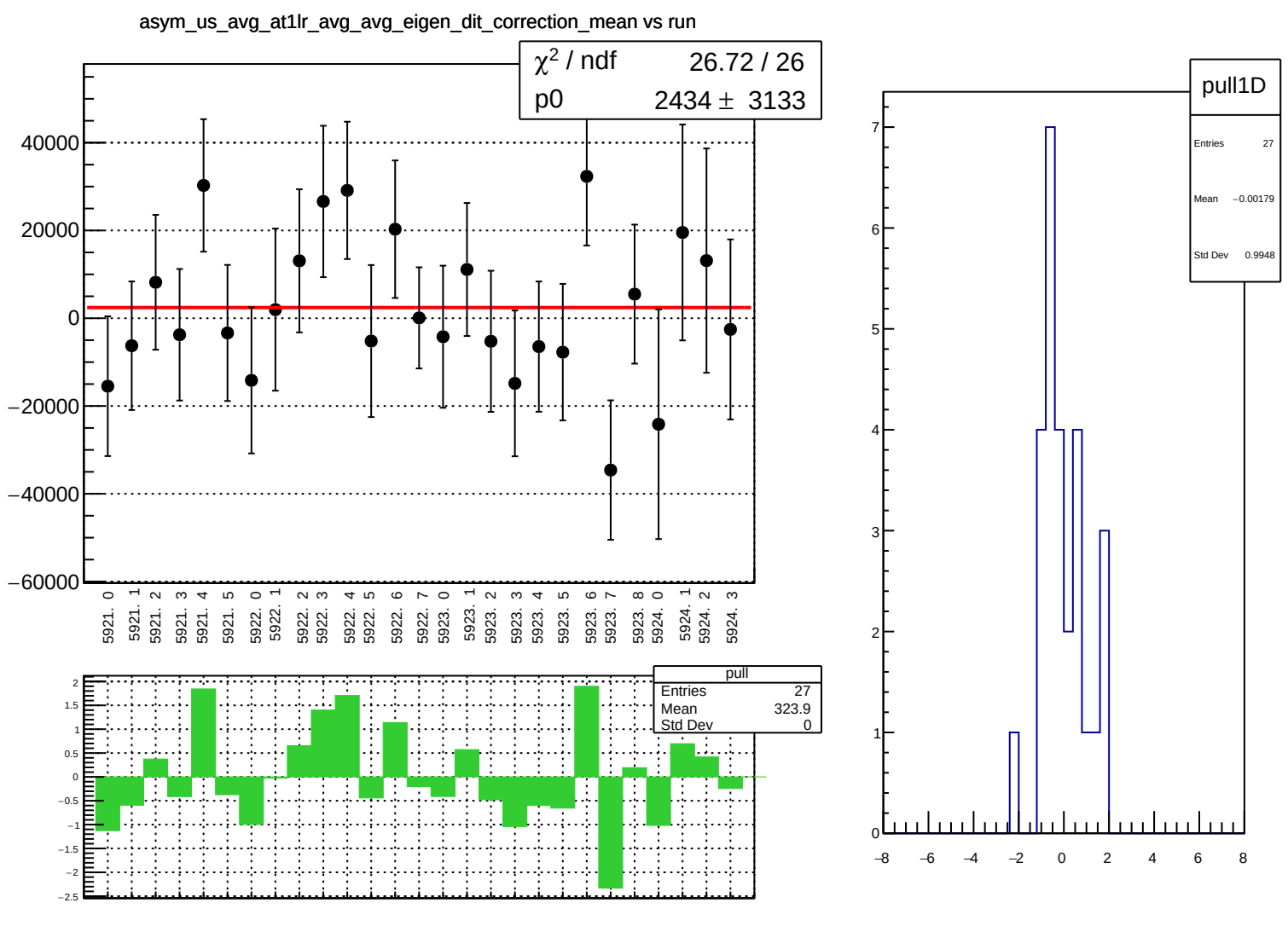

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs run
χ² / ndf 26.72 / 26
p0 2434 ± 3133
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 323.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean −0.00179
Std Dev 0.9948
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

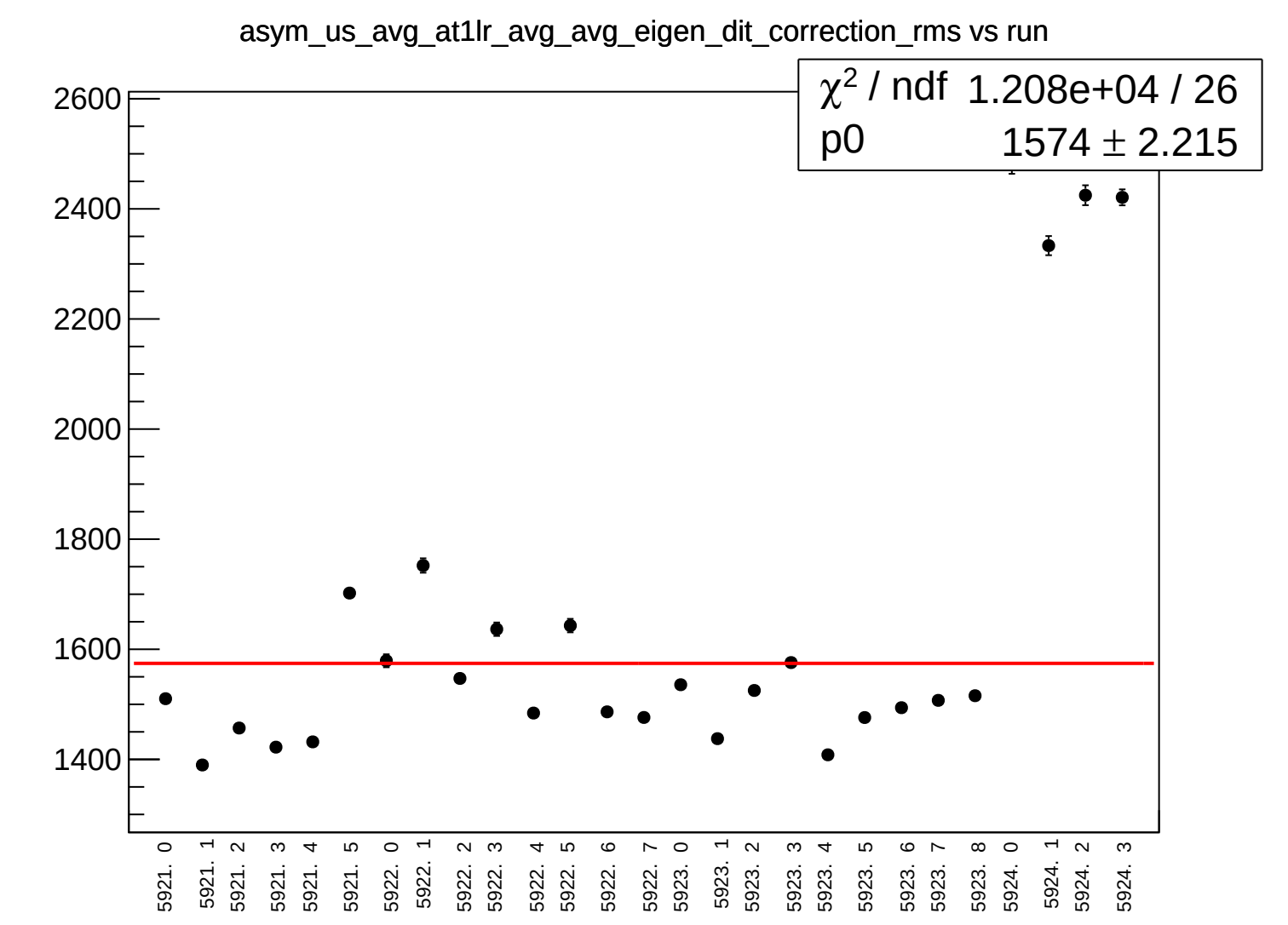

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs run
χ² / ndf 1.208e+04 / 26
p0 1574 ± 2.215
2600
2400
2200
2000
1800
1600
1400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

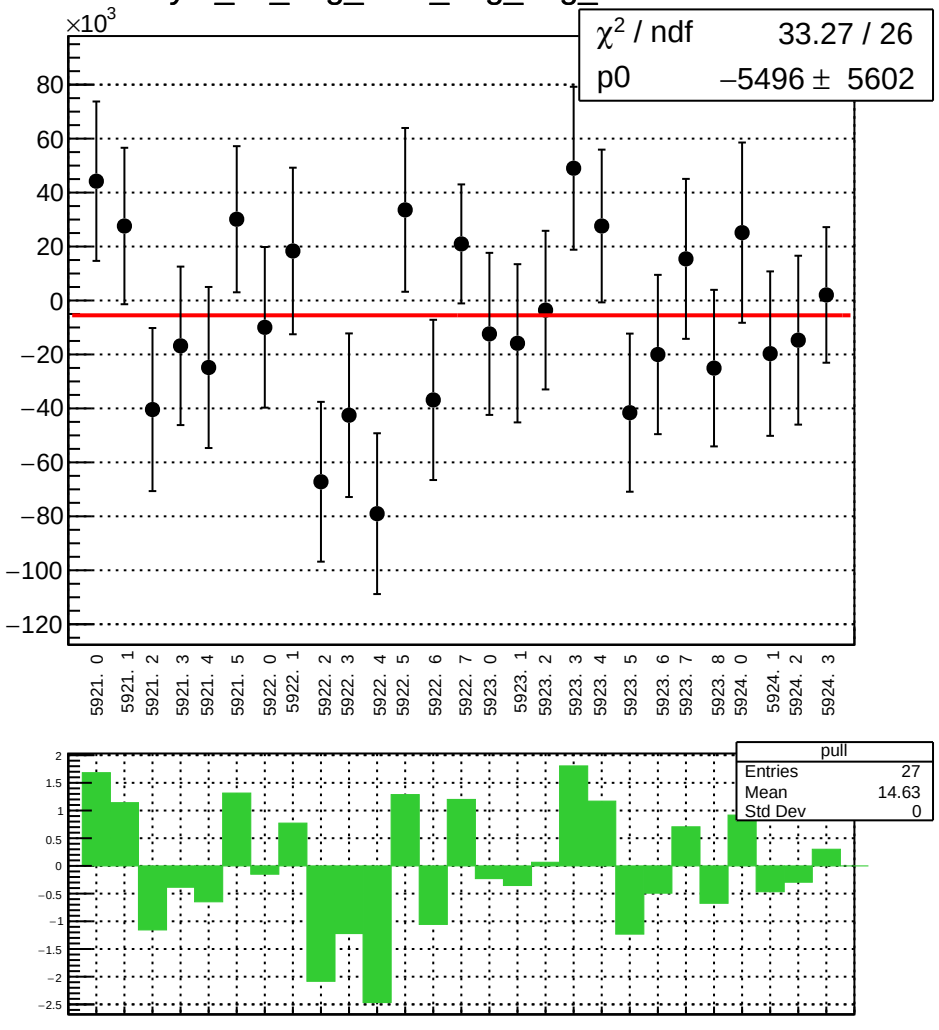

eigen_dit_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 27.27 / 26
p0 −3063 ± 4728
60000
40000
20000
0
−20000
−40000
−60000
−80000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 27.68
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

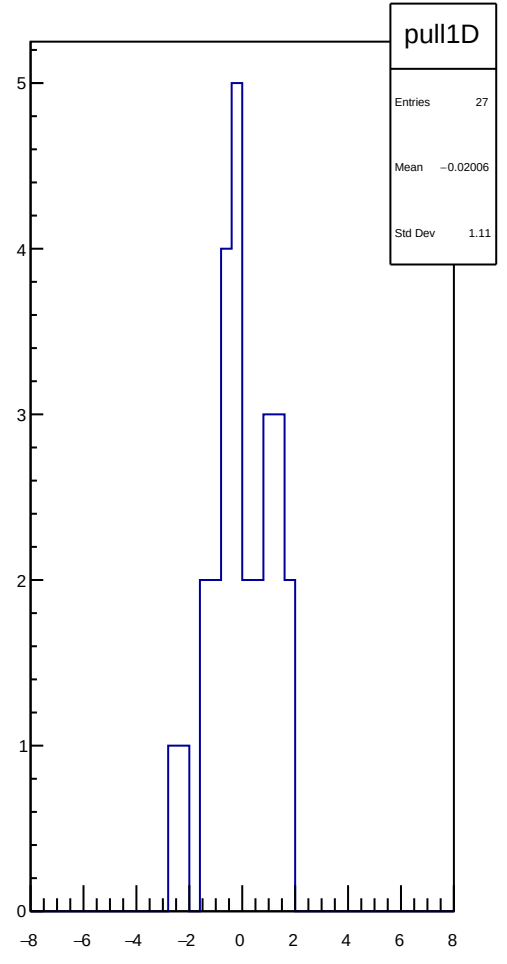

pull1D
Entries 27
Mean −0.02515
Std Dev 1.005
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

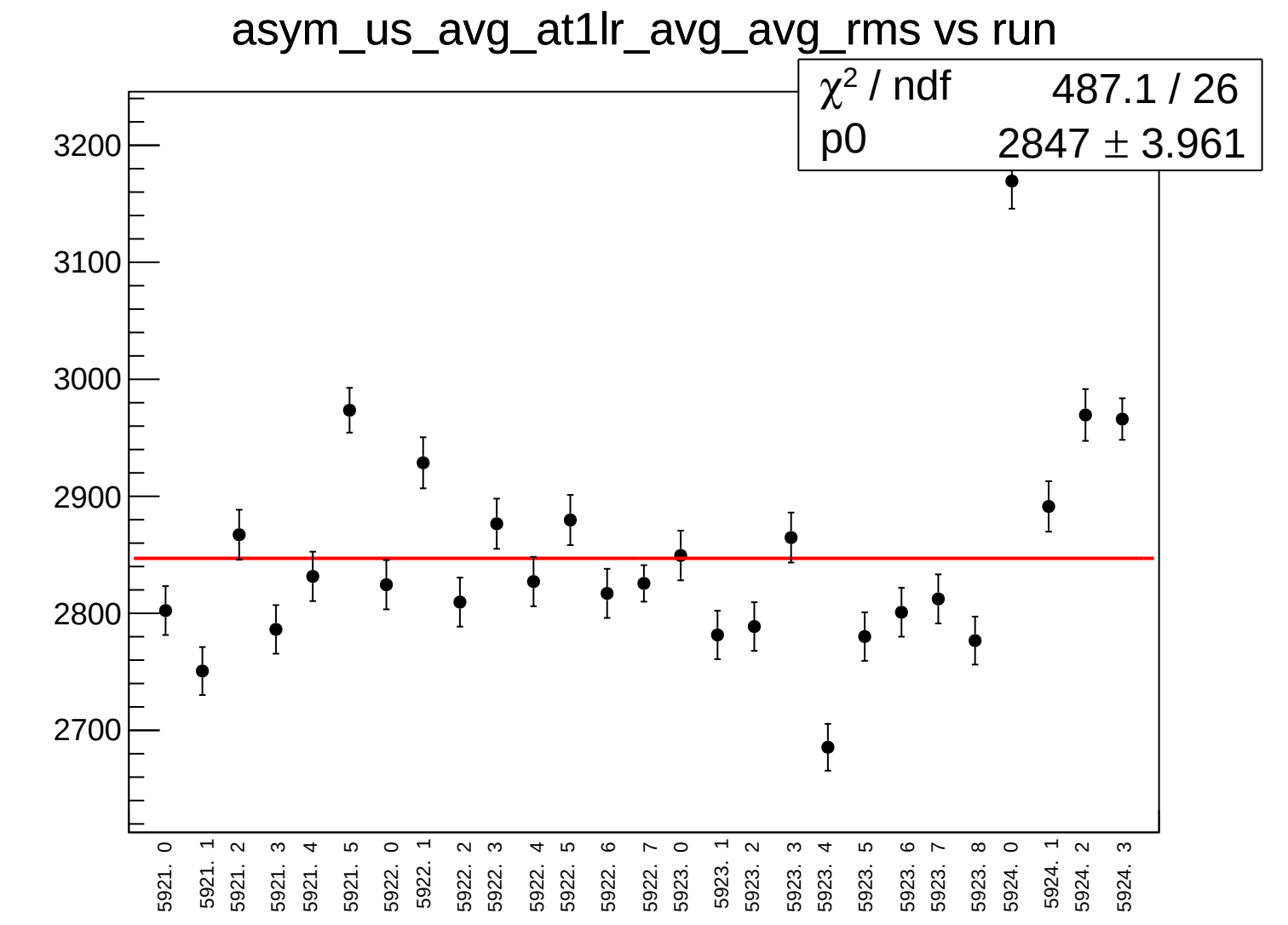

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 126.7 / 26
p0 2404 ± 3.343
2540
2520
2500
2480
2460
2440
2420
2400
2380
2360
2340
2320
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

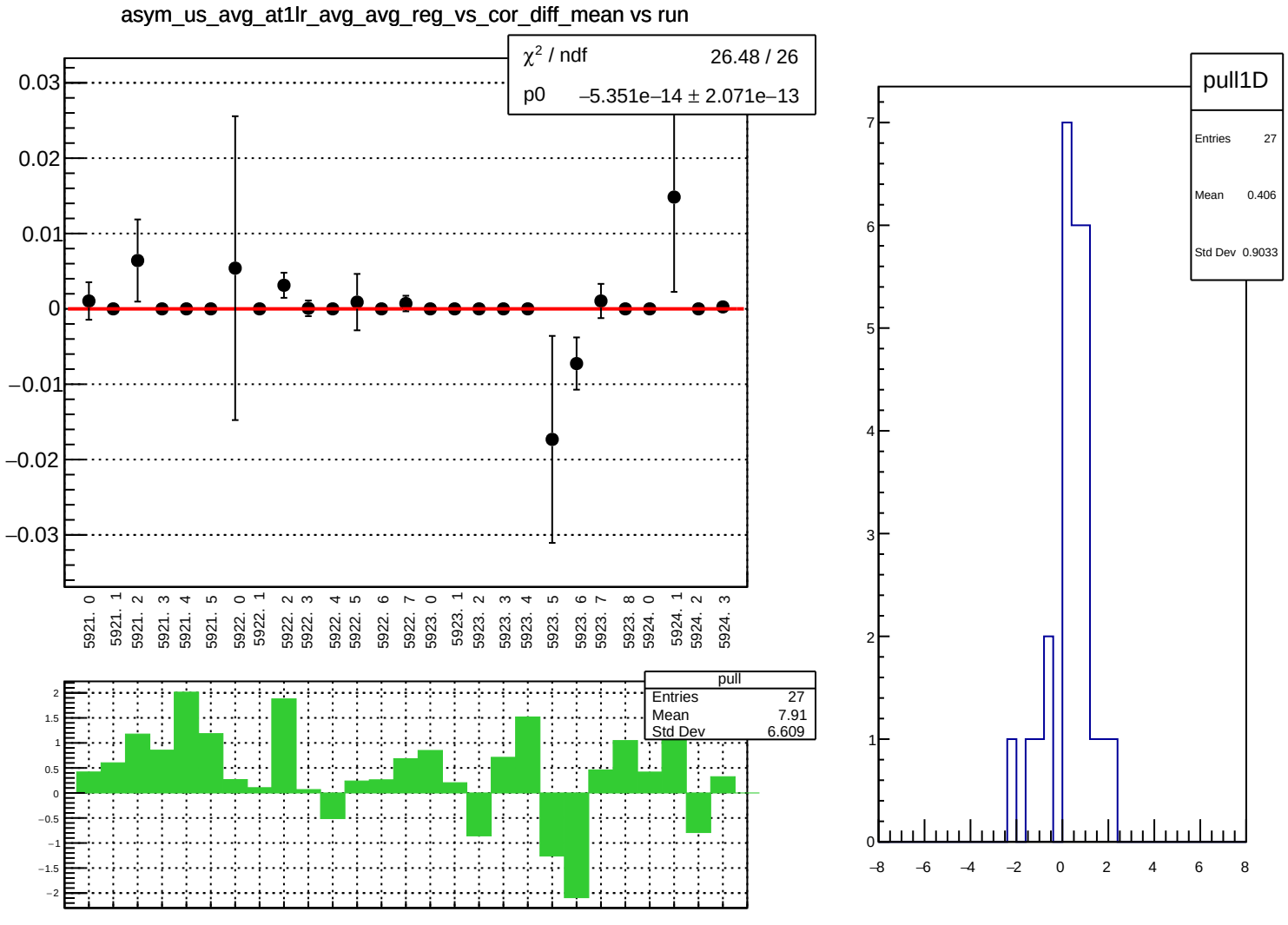

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs run
χ² / ndf 26.72 / 26
p0 2434 ± 3133
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 323.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean −0.00179
Std Dev 0.9948
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

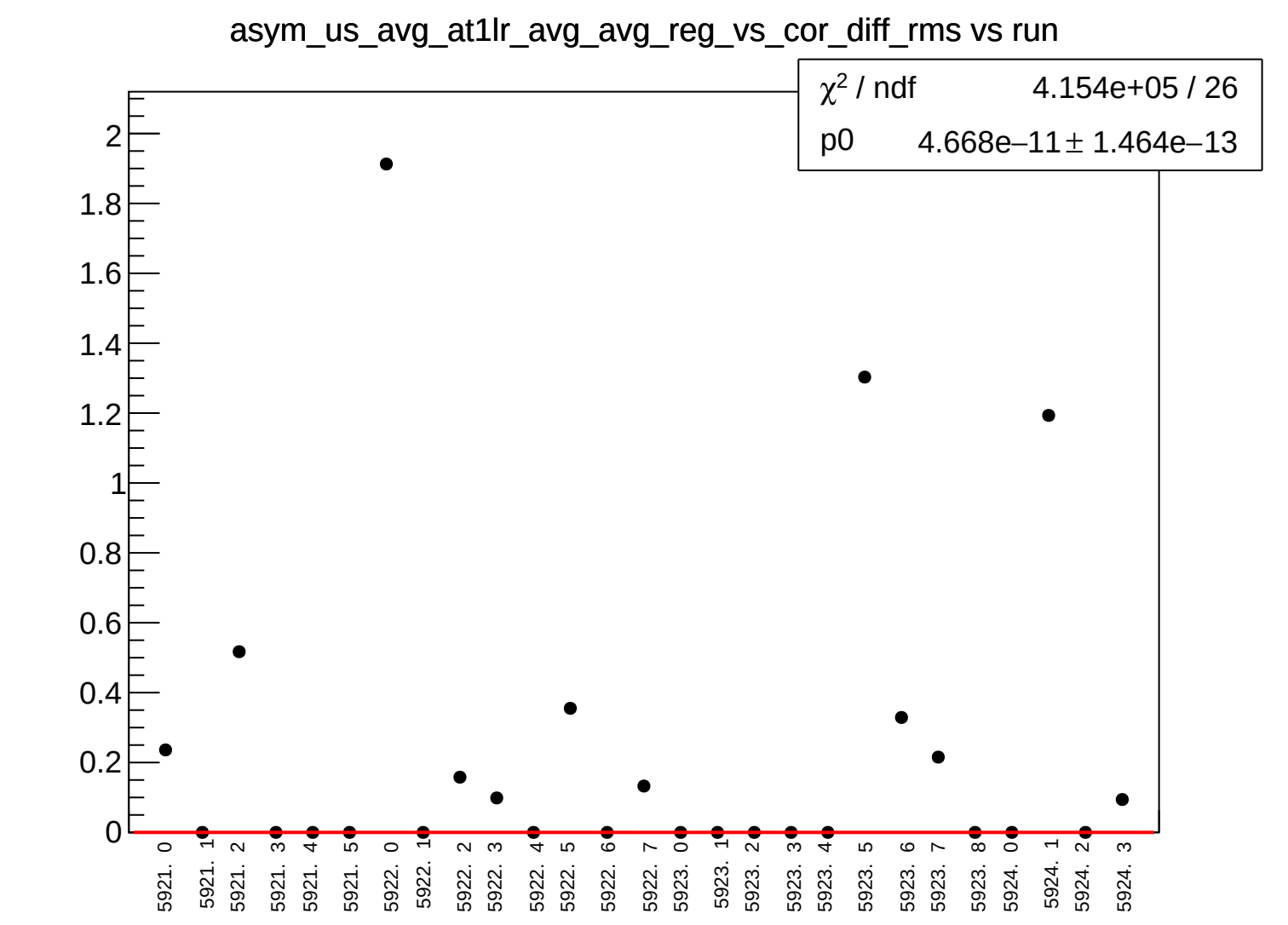

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.208e+04 / 26
p0 1574 ± 2.215
2600
2400
2200
2000
1800
1600
1400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

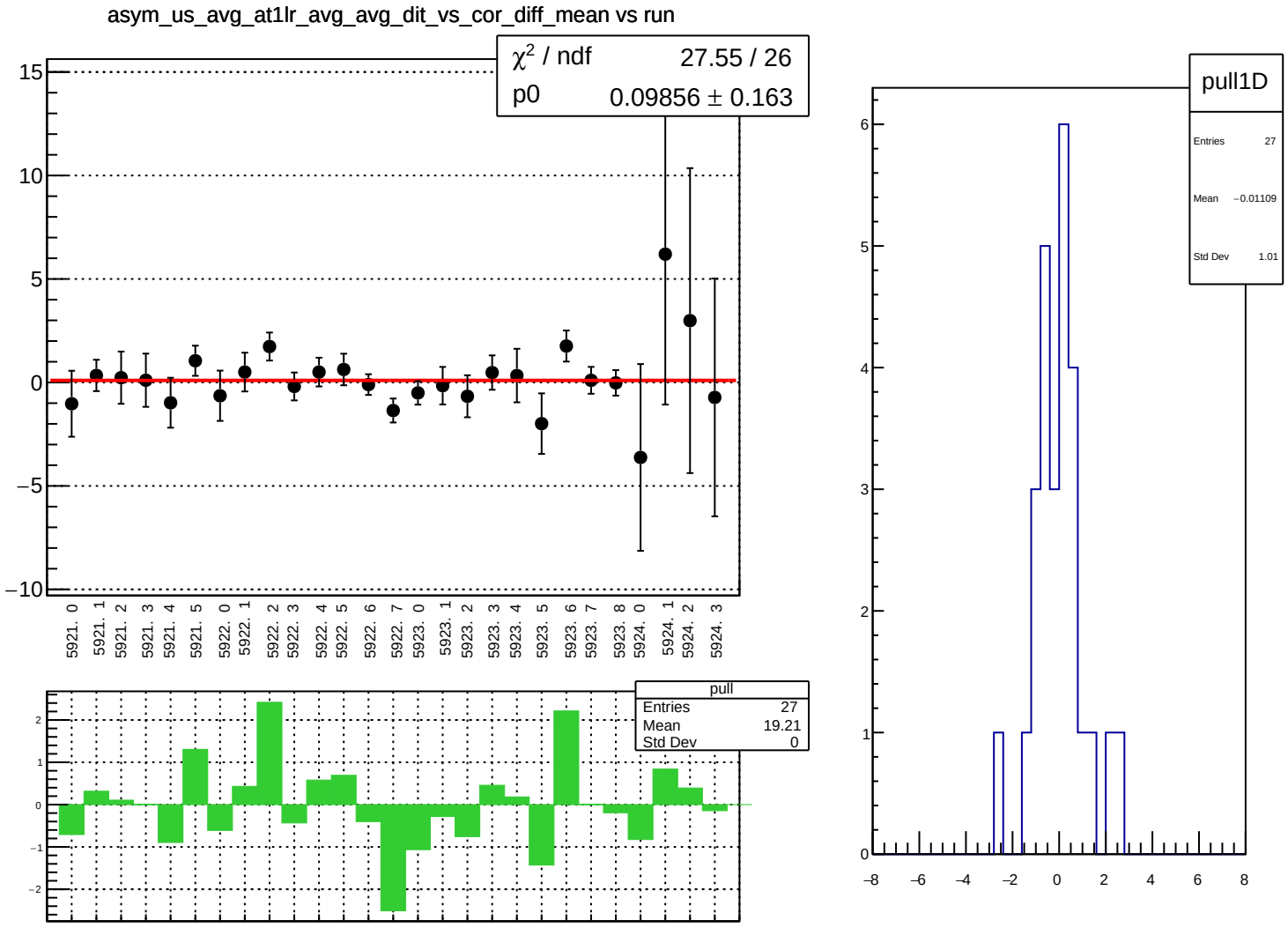

asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 33.27 / 26
p0 −5496 ± 5602
80
60
40
20
0
−20
−40
−60
−80
−100
−120
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 14.63
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

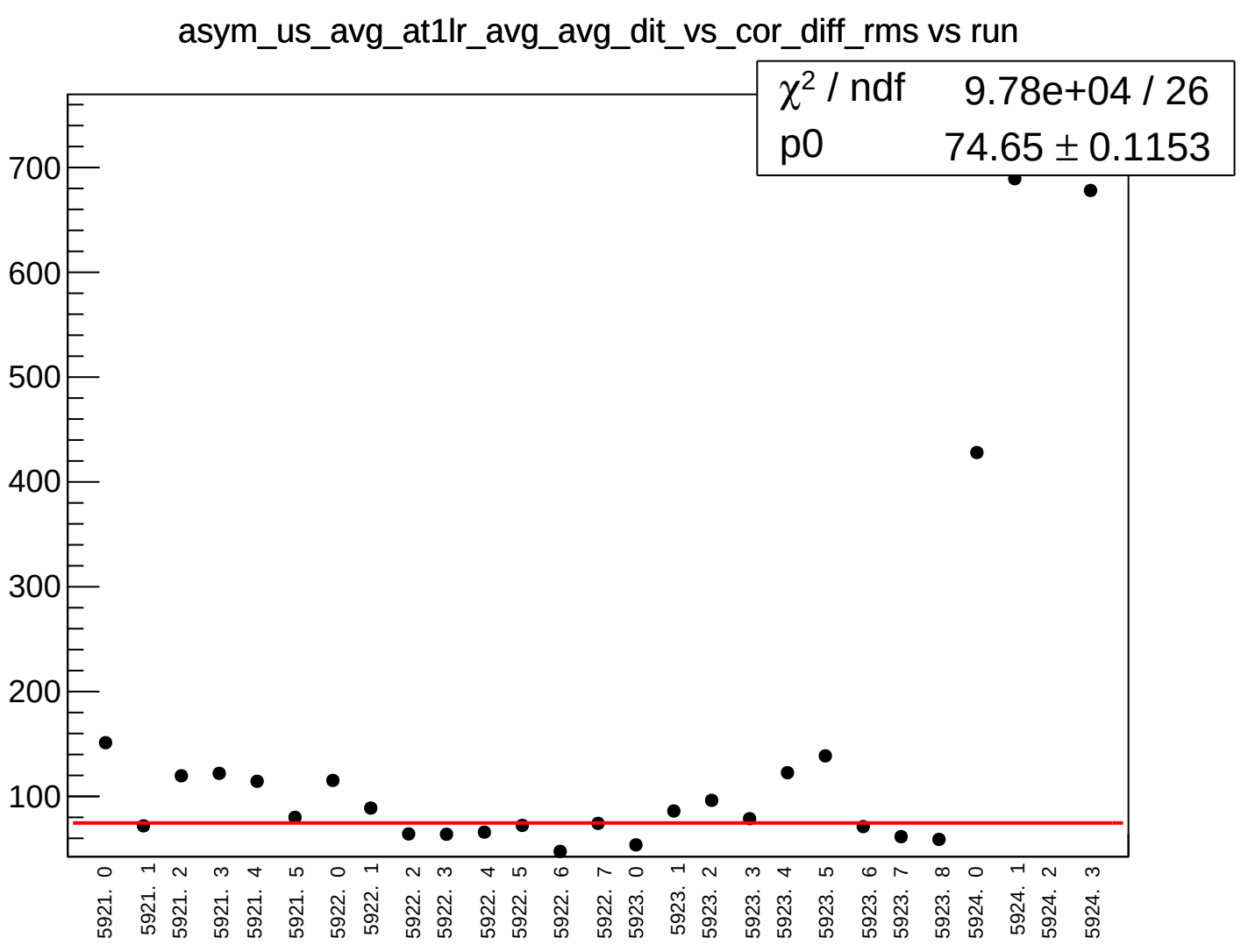

pull1D
Entries 27
Mean −0.02006
Std Dev 1.11
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

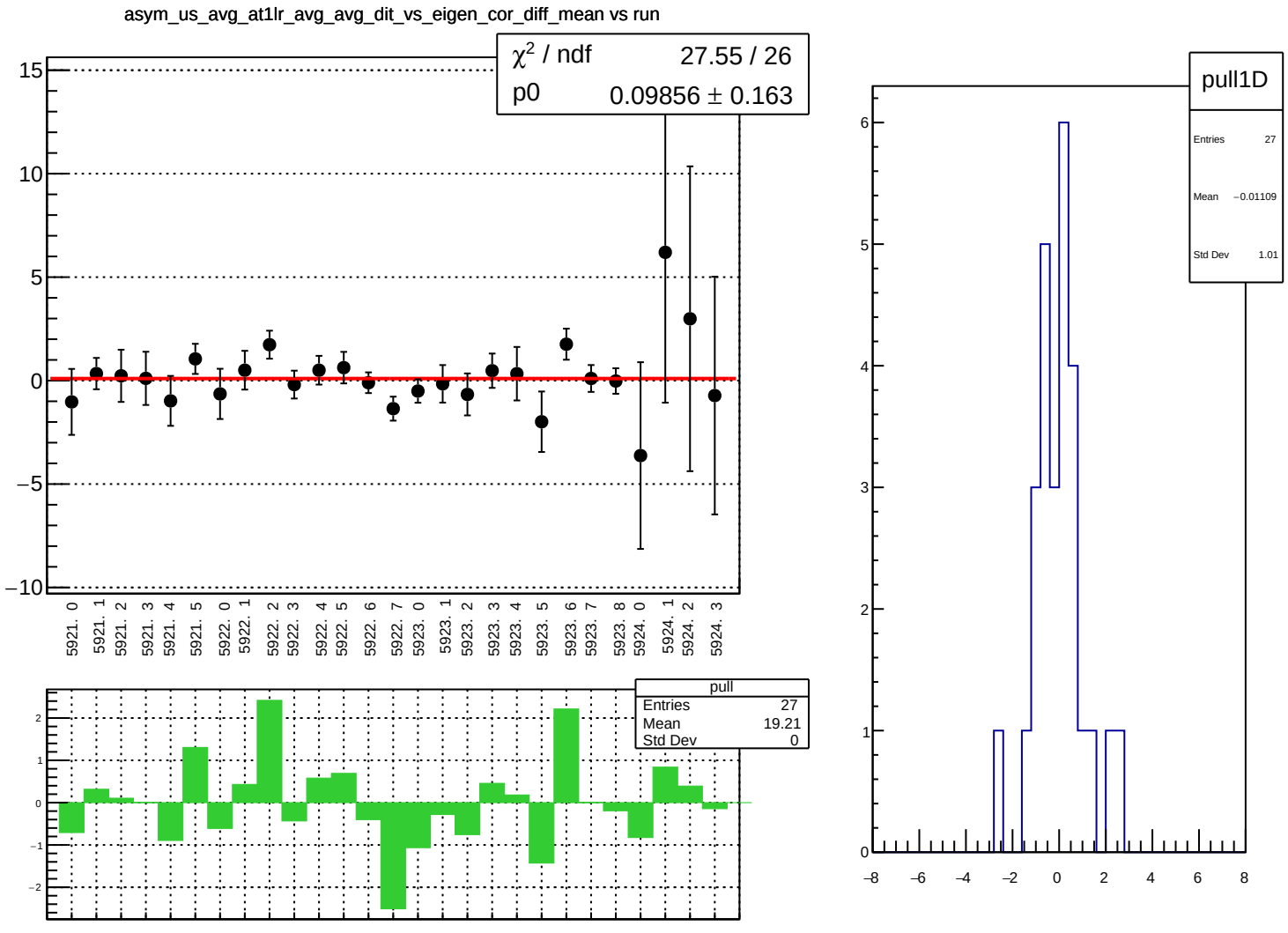

asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 487.1 / 26
p0 2847 ± 3.961
3200
3100
3000
2900
2800
2700
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

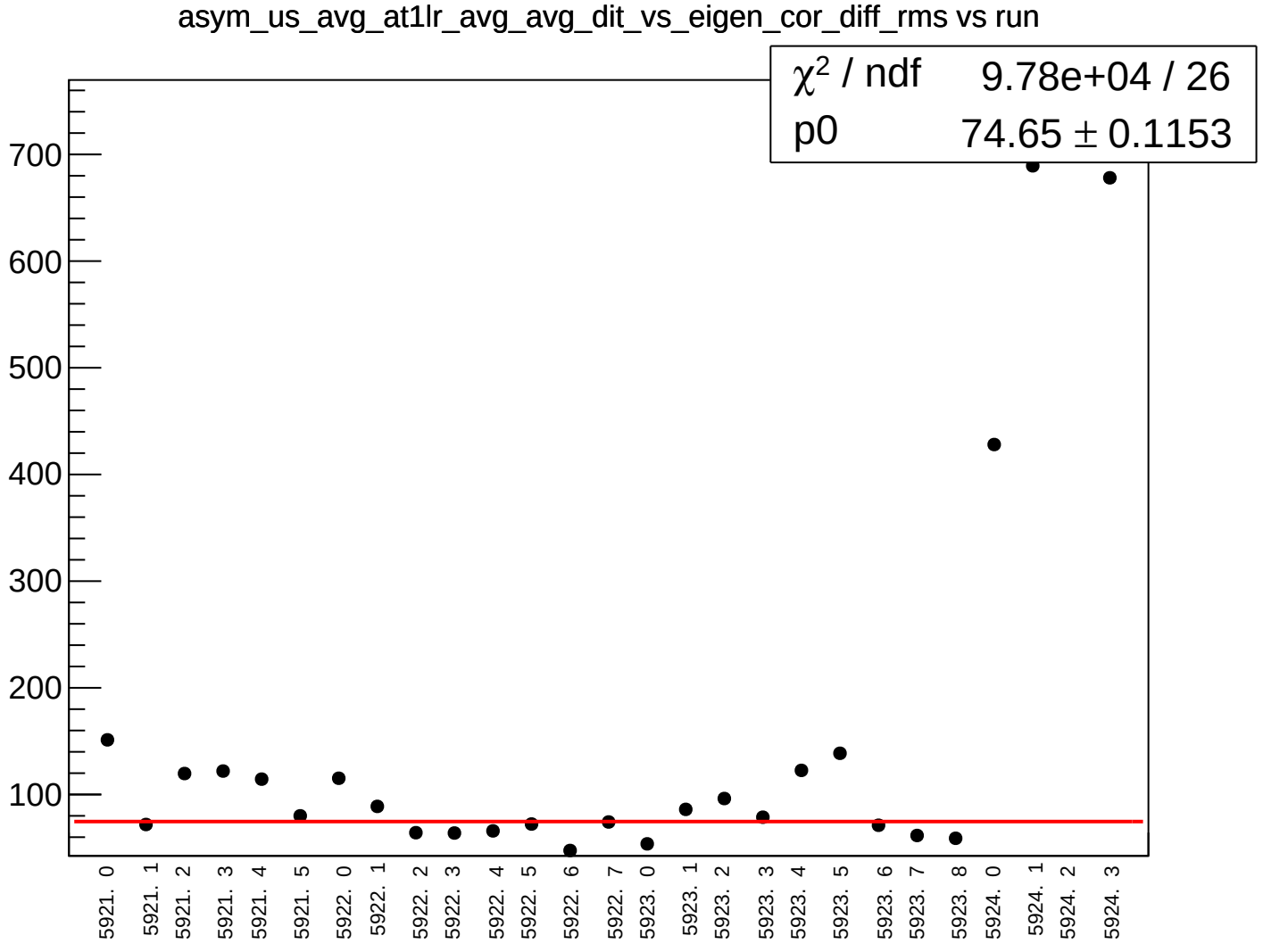

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 26.48 / 26
p0 −5.351e−14 ± 2.071e−13
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 7.91
Std Dev 6.609
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean 0.406
Std Dev 0.9033
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

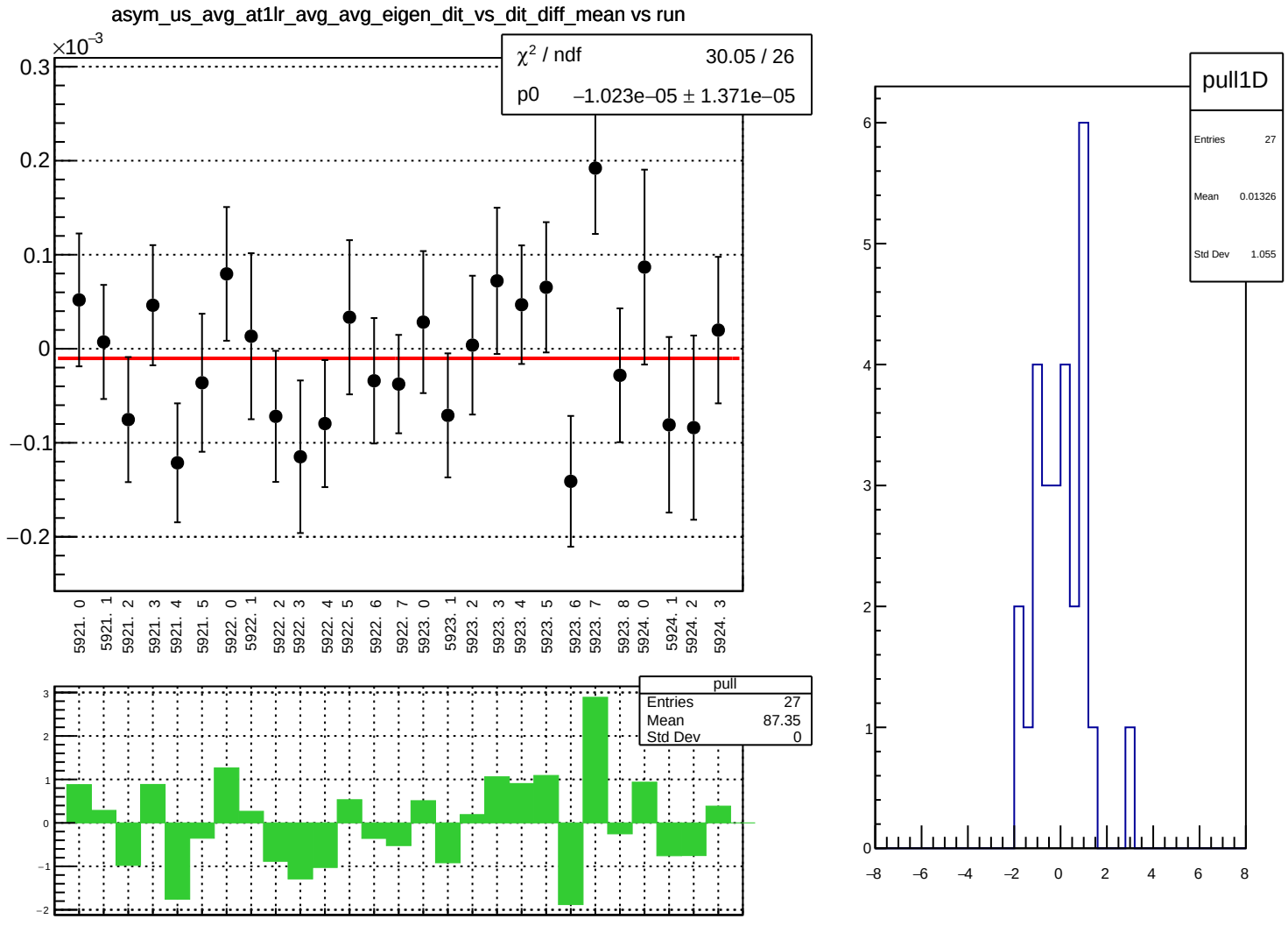

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 4.154e+05 / 26
p0 4.668e−11 ± 1.464e−13
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

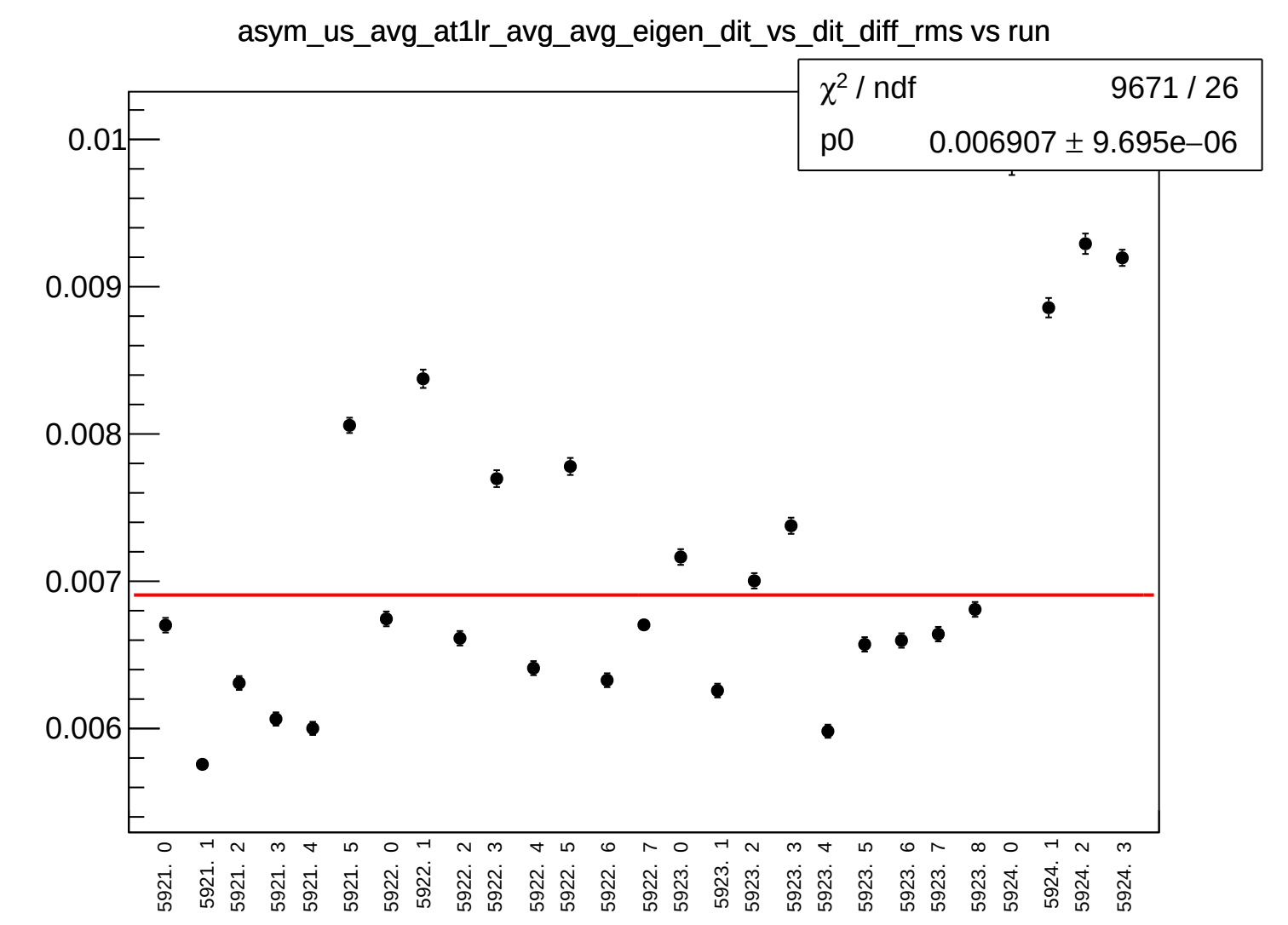

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 27.55 / 26
p0 0.09856 ± 0.163
15
10
5
0
−5
−10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 19.21
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean −0.01109
Std Dev 1.01
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

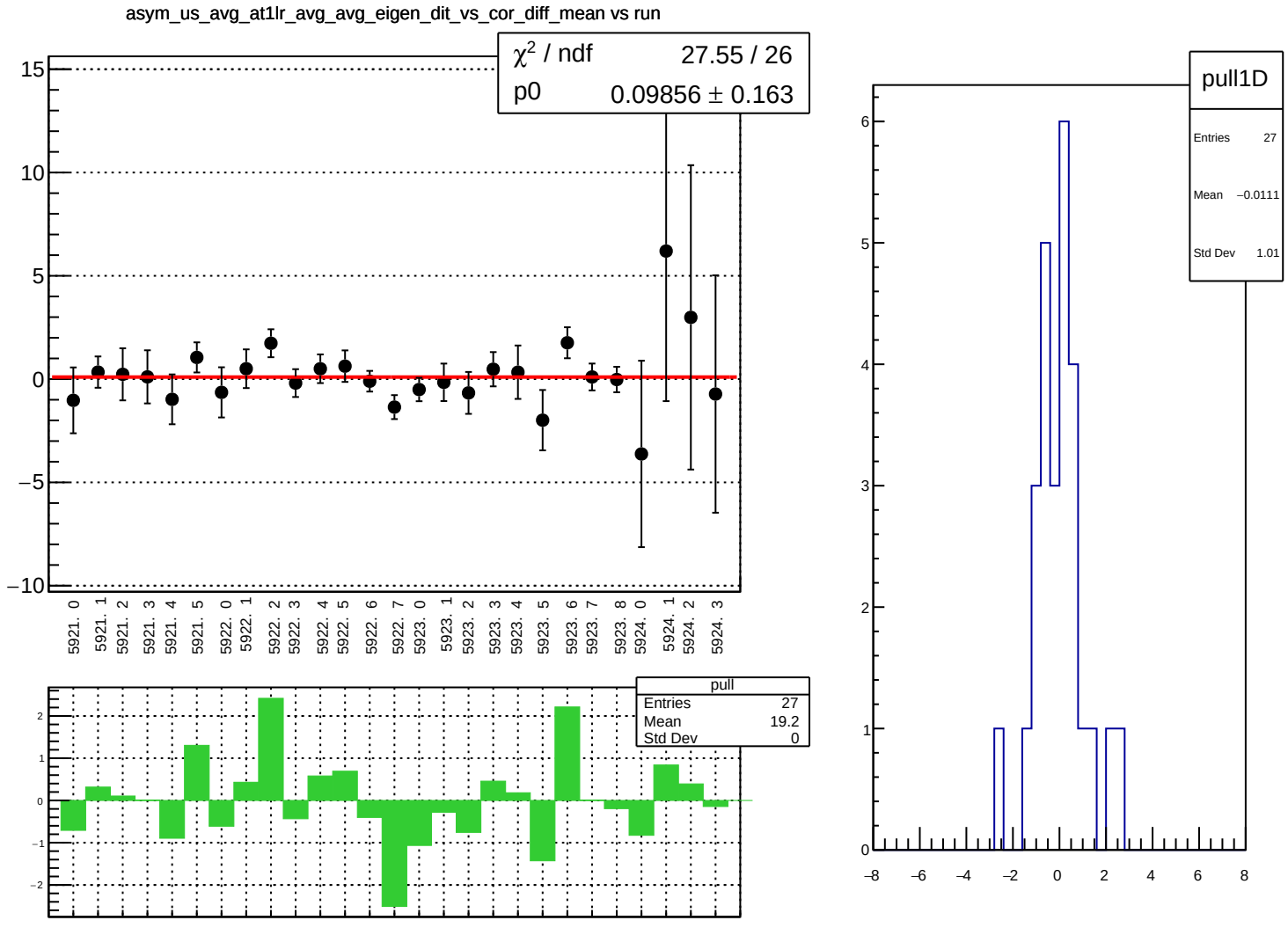

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 9.78e+04 / 26
p0 74.65 ± 0.1153
700
600
500
400
300
200
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

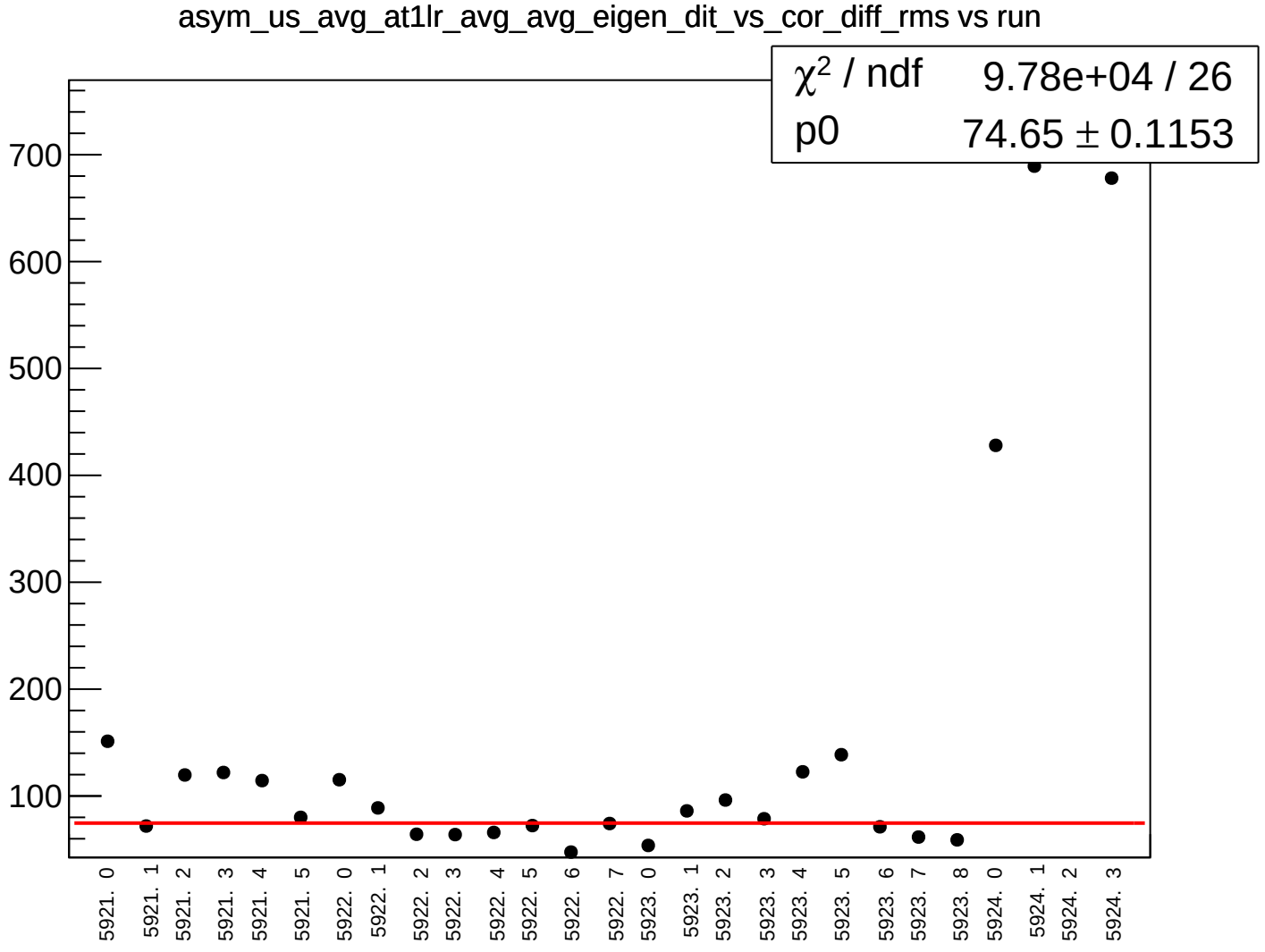

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 27.55 / 26
p0 0.09856 ± 0.163
15
10
5
0
−5
−10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 19.21
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean −0.01109
Std Dev 1.01
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

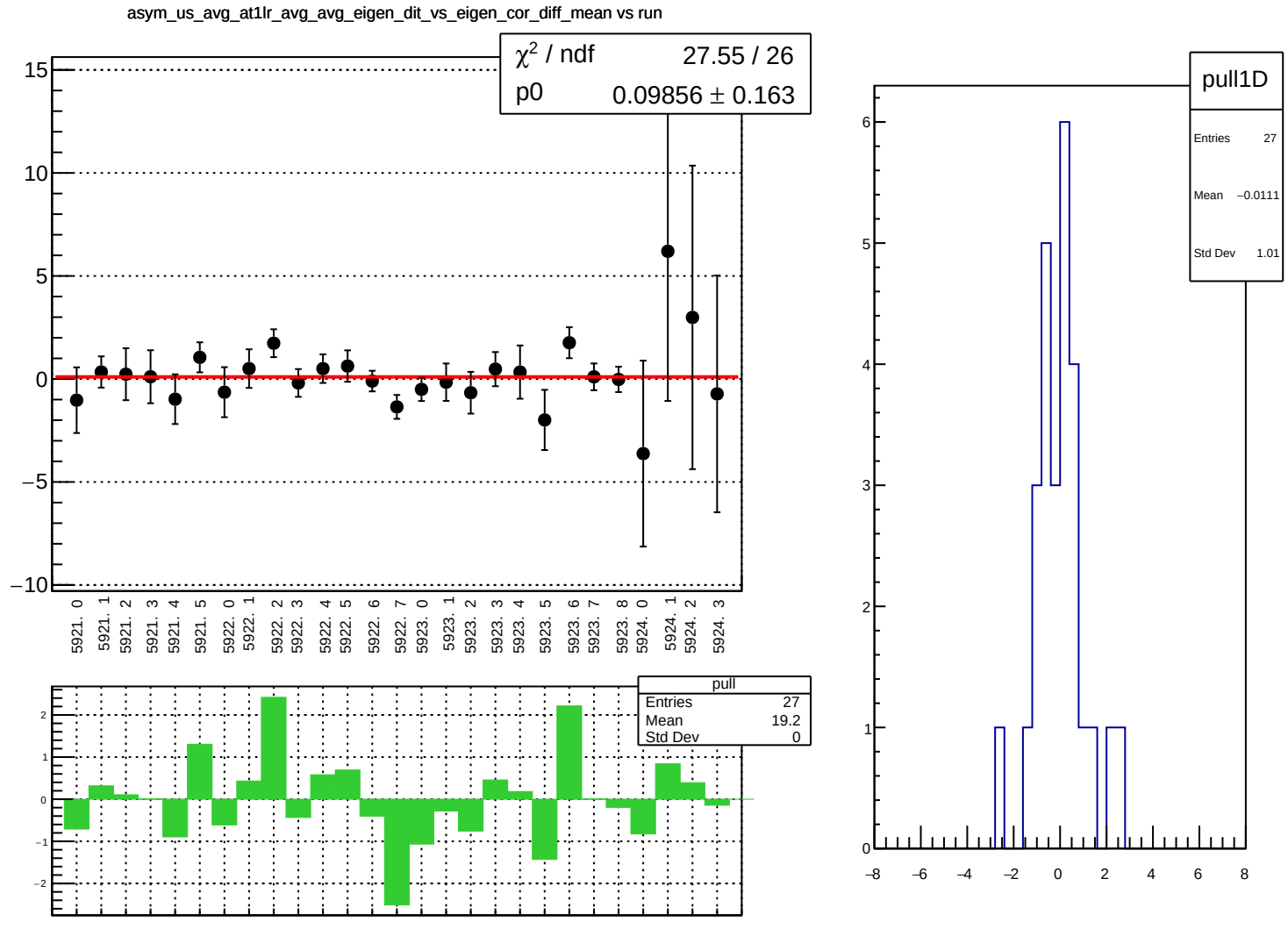

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.78e+04 / 26
p0 74.65 ± 0.1153
700
600
500
400
300
200
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

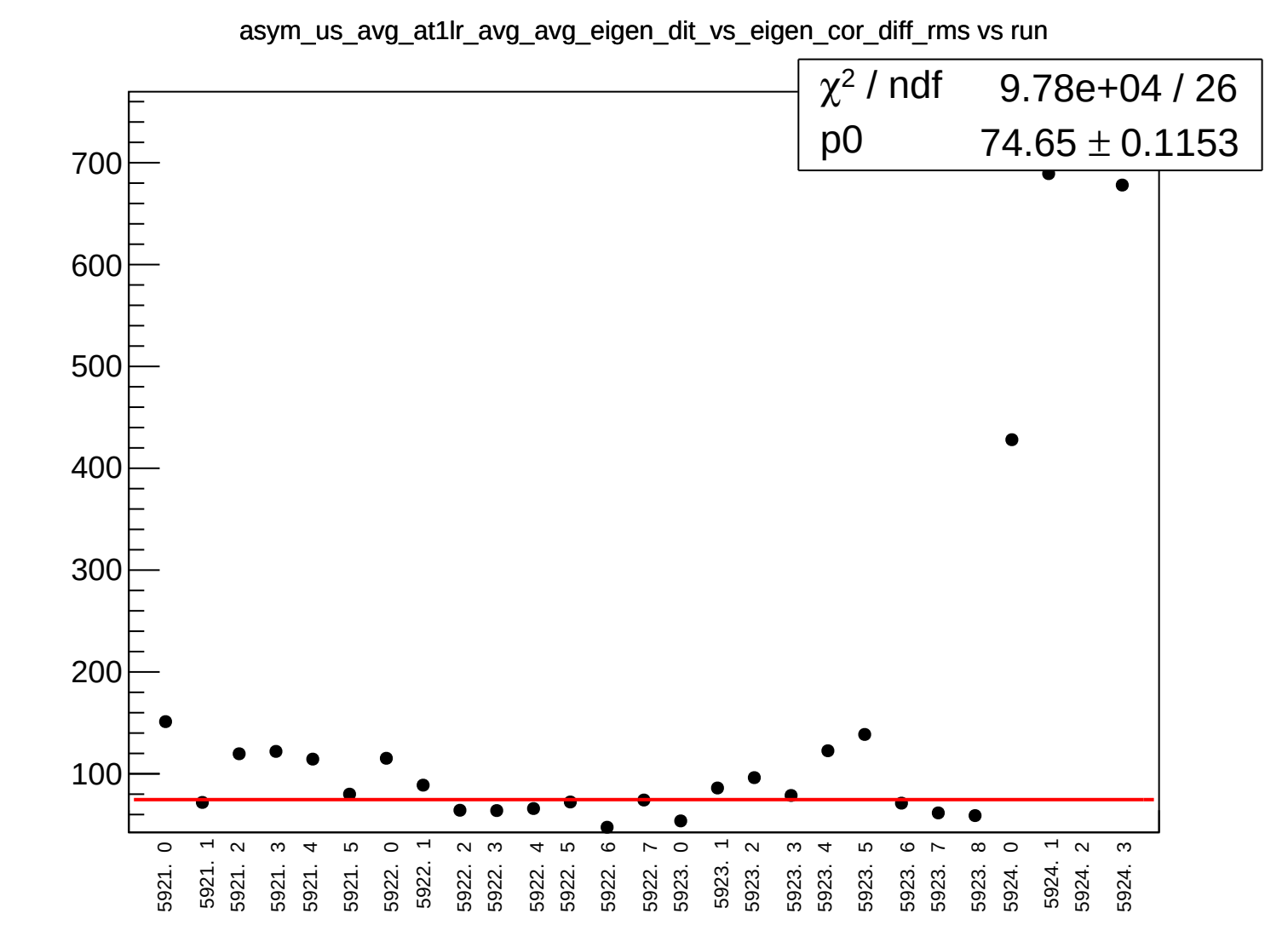

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 30.05 / 26
p0 −1.023e−05 ± 1.371e−05
0.3
0.2
0.1
0
−0.1
−0.2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 87.35
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.01326
Std Dev 1.055
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

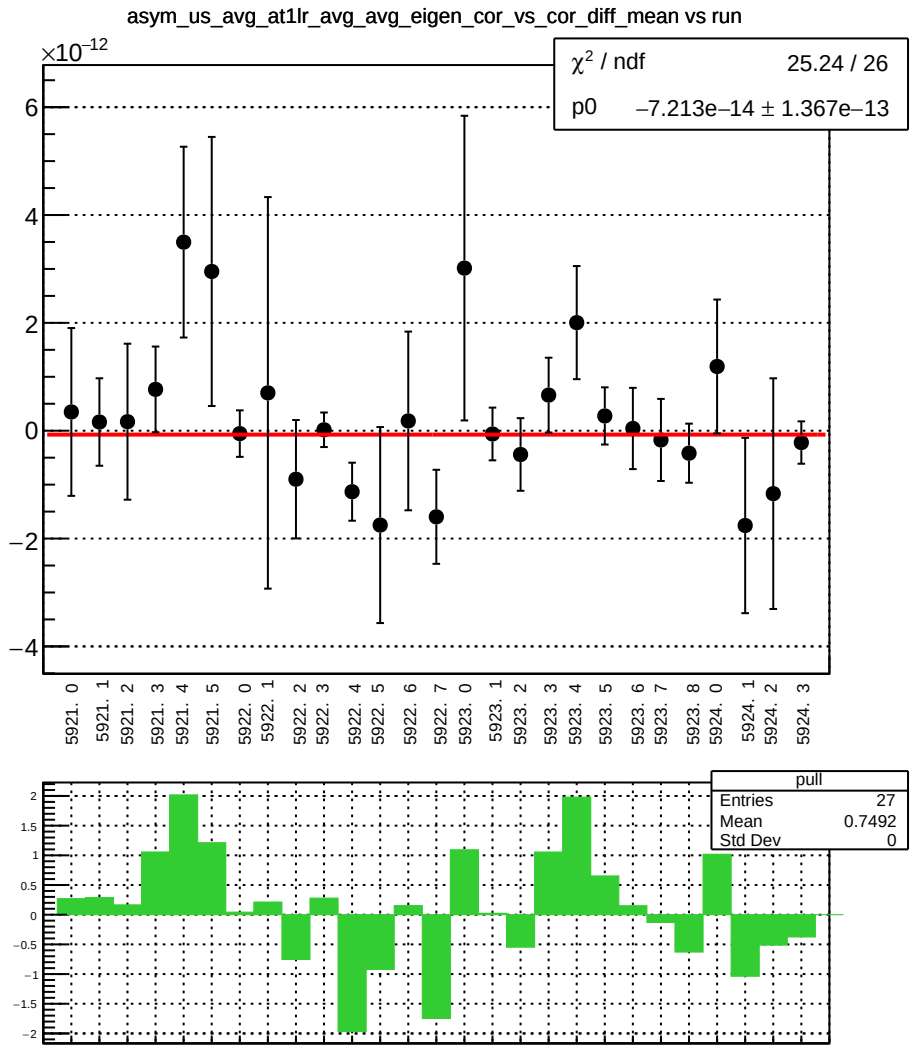

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 9671 / 26
p0 0.006907 ± 9.695e−06
0.01
0.009
0.008
0.007
0.006
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

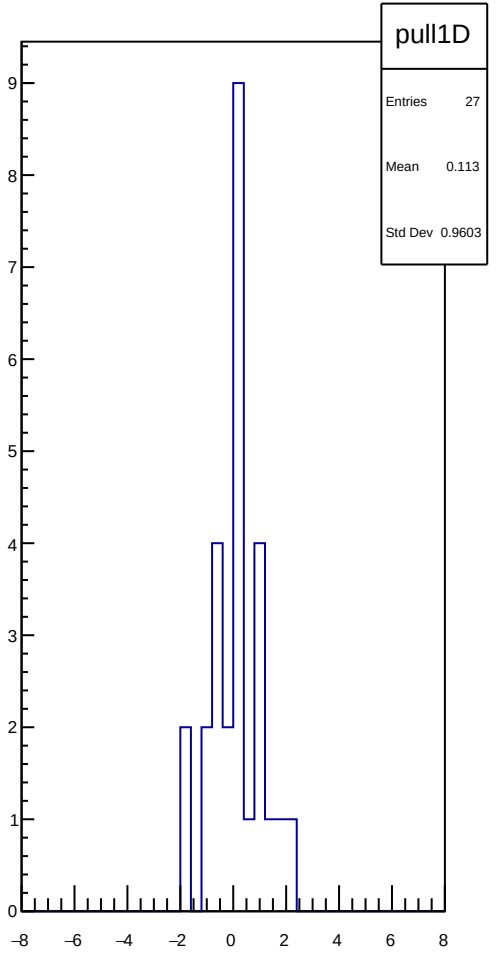

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 27.55 / 26
p0 0.09856 ± 0.163
15
10
5
0
−5
−10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 19.2
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean −0.0111
Std Dev 1.01
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

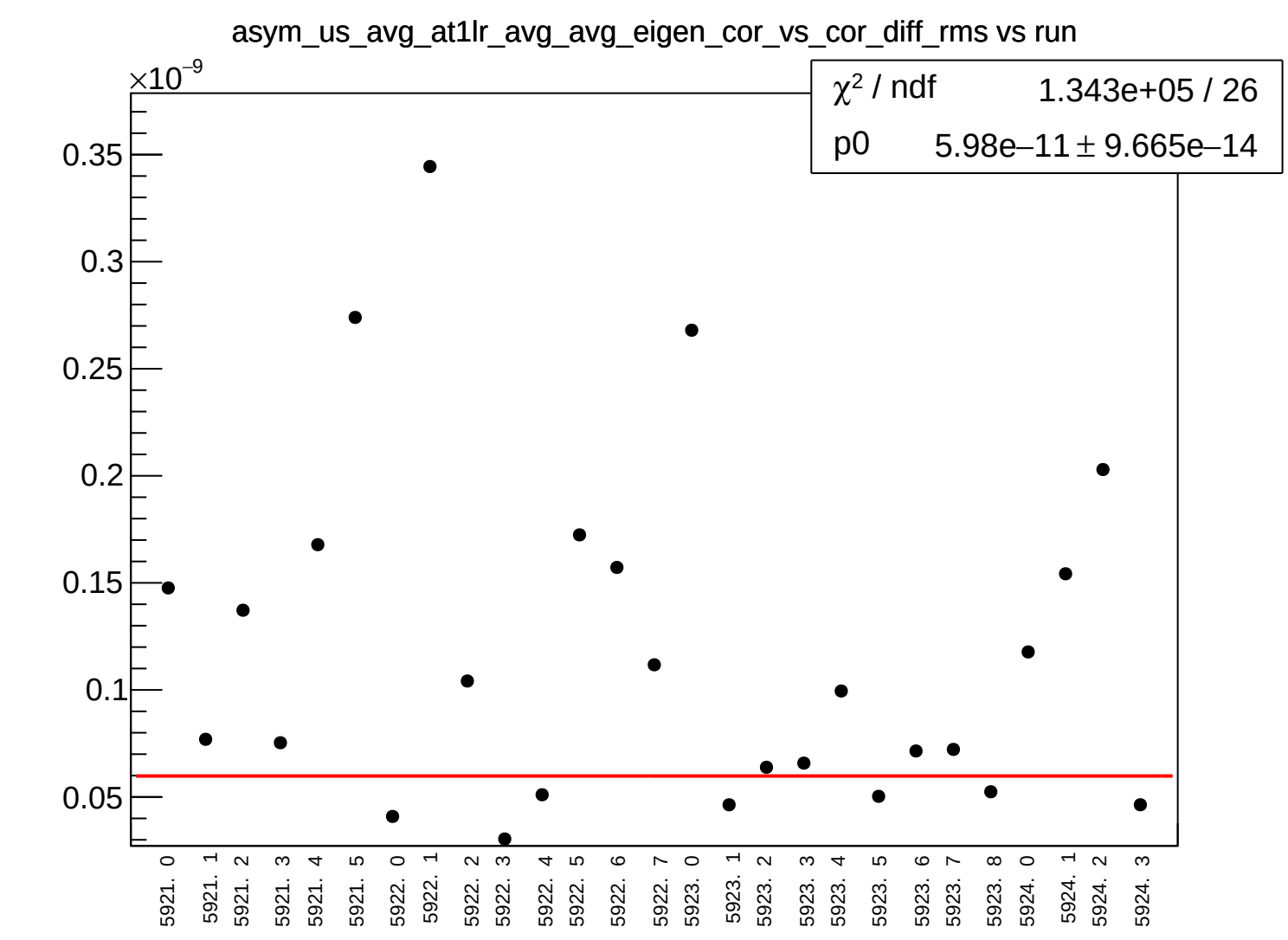

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.78e+04 / 26
p0 74.65 ± 0.1153
700
600
500
400
300
200
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

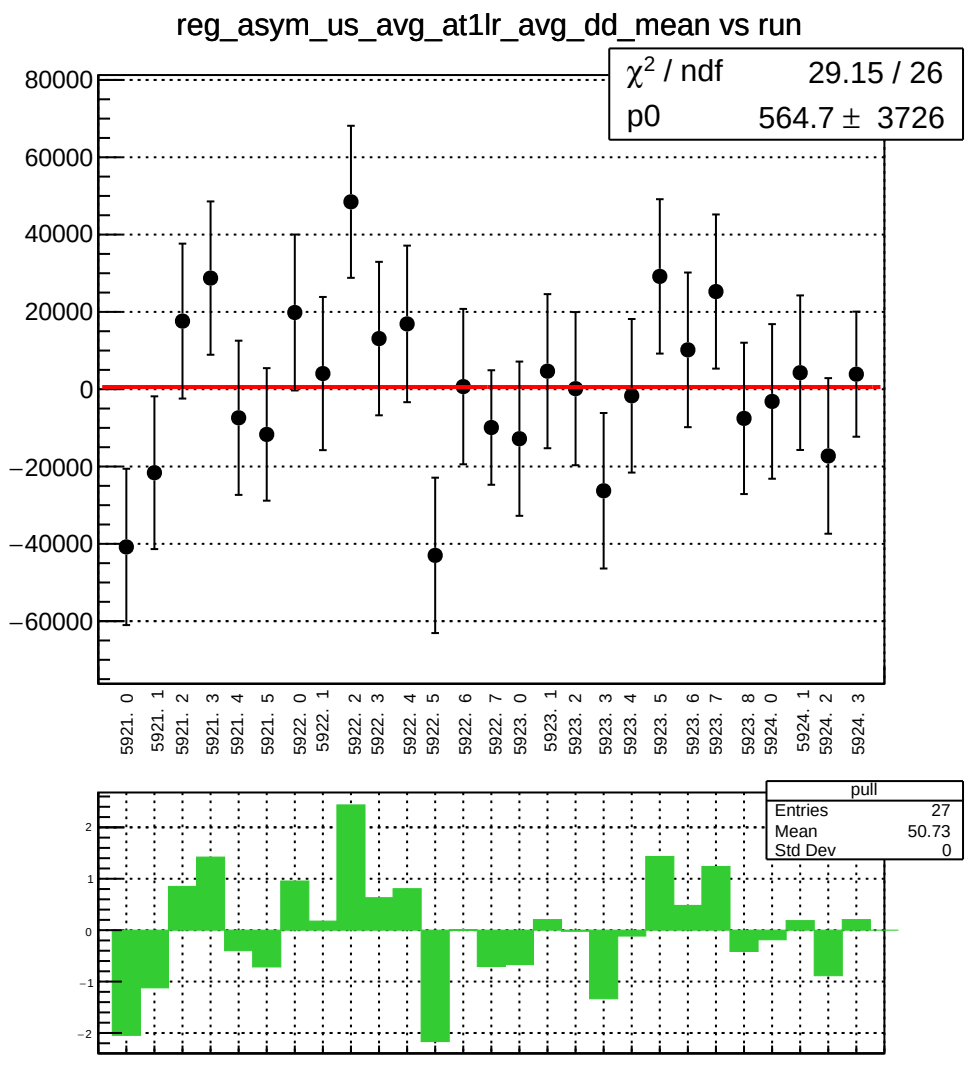

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 27.55 / 26
p0 0.09856 ± 0.163
15
10
5
0
−5
−10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 19.2
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean −0.0111
Std Dev 1.01
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

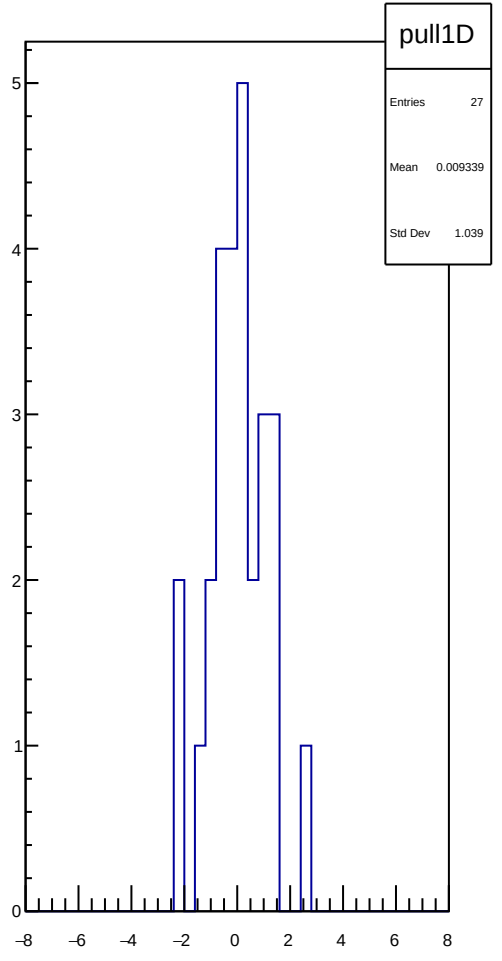

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.78e+04 / 26
p0 74.65 ± 0.1153
700
600
500
400
300
200
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

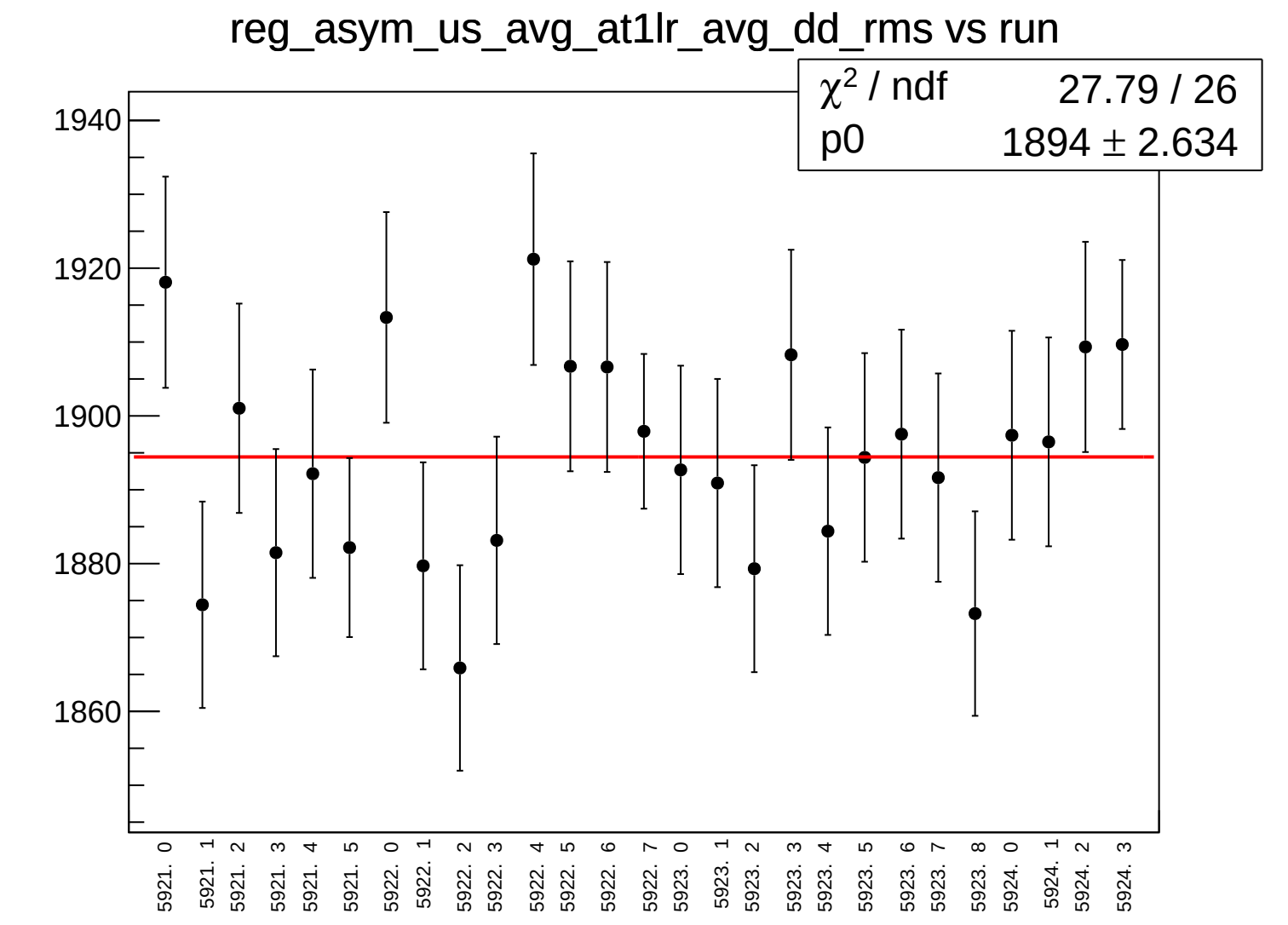

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 25.24 / 26
p0 −7.213e−14 ± 1.367e−13
6
4
2
0
−2
−4
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 0.7492
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

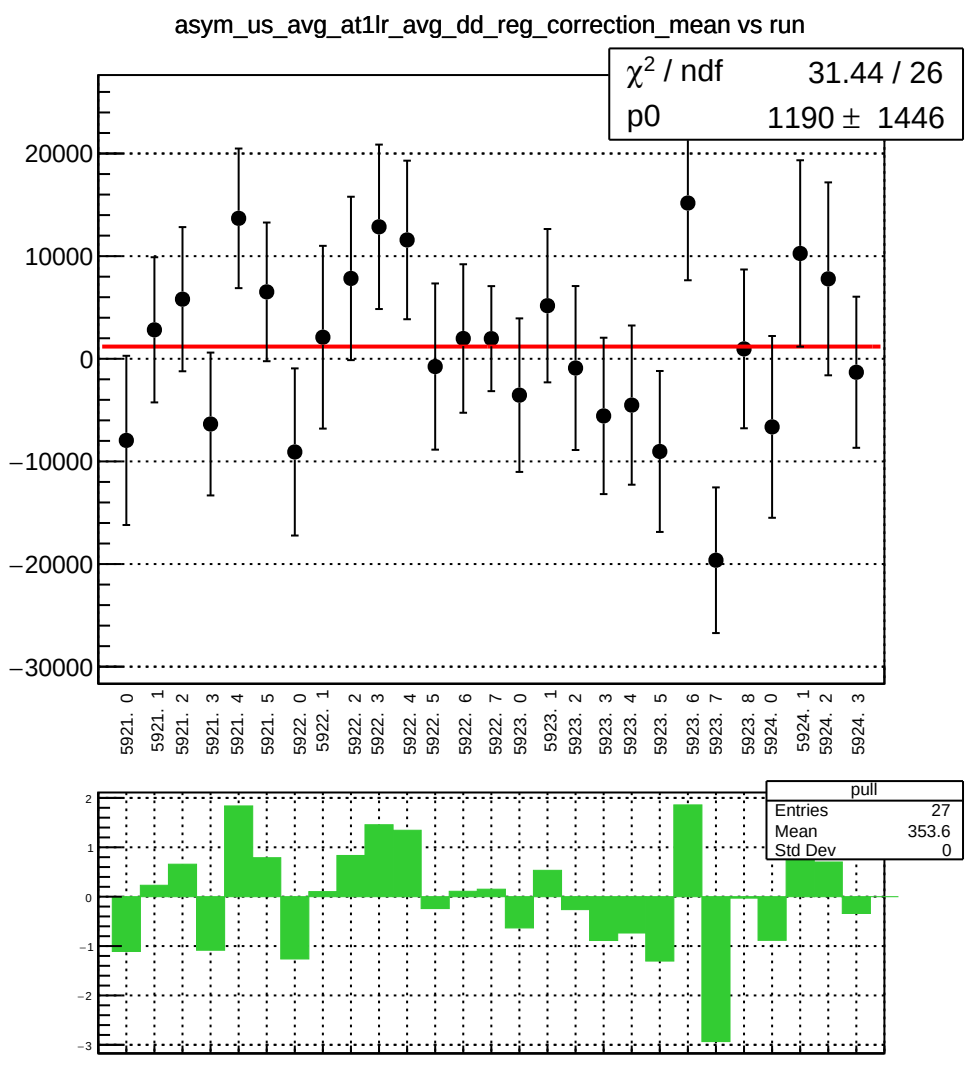

pull1D
Entries 27
Mean 0.113
Std Dev 0.9603
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

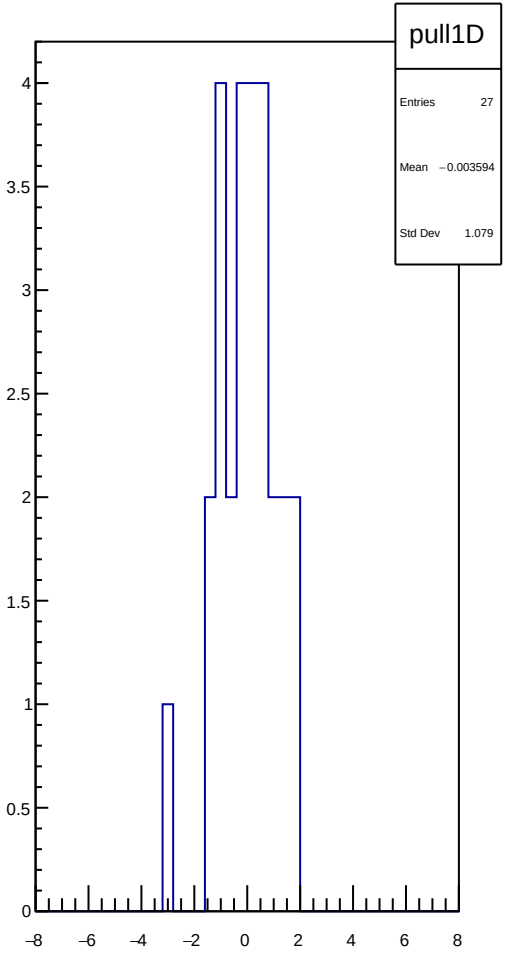

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.343e+05 / 26
p0 5.98e−11 ± 9.665e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

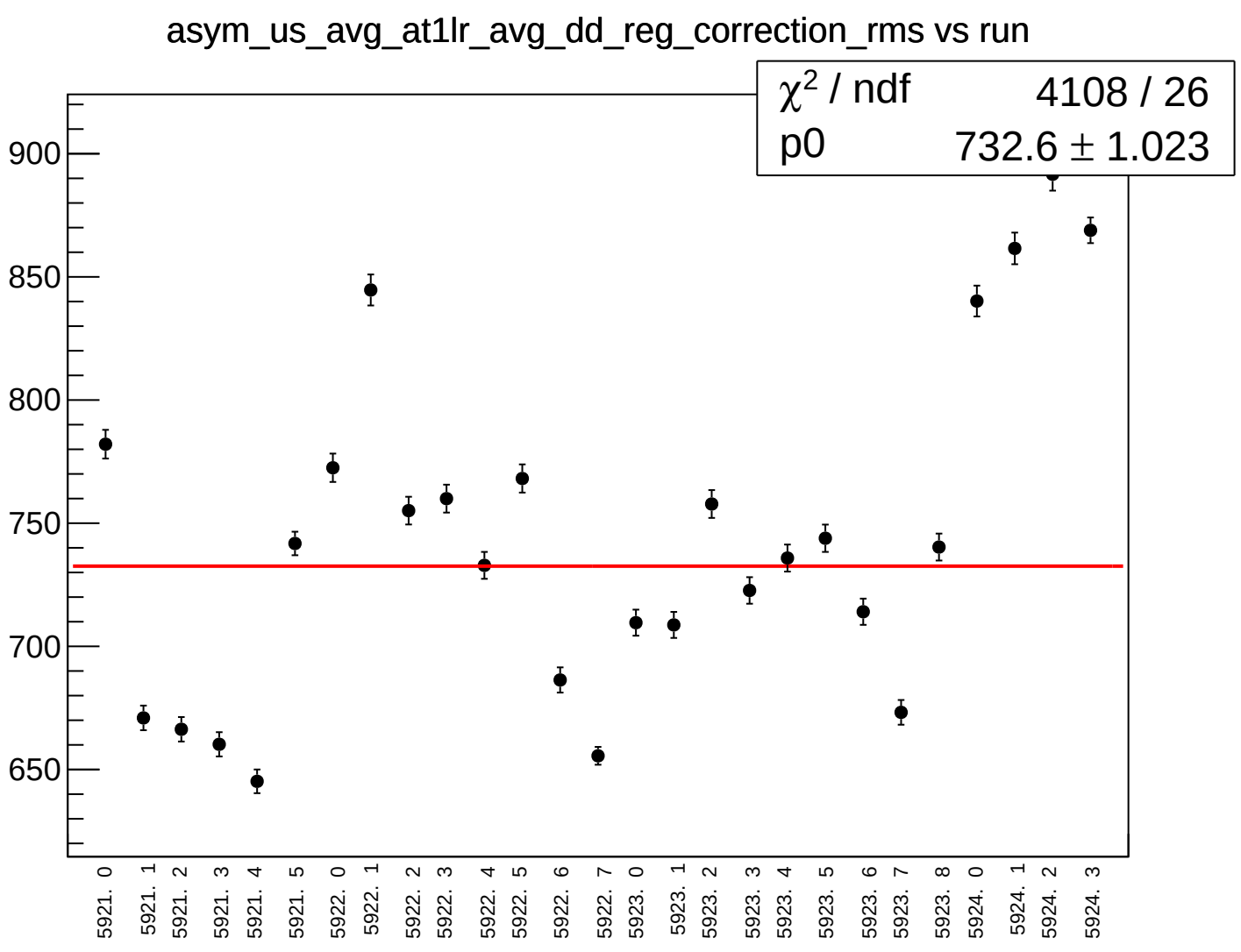

reg_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 29.15 / 26
p0 564.7 ± 3726
80000
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 50.73
Std Dev 0
2
1
0
−1
−2

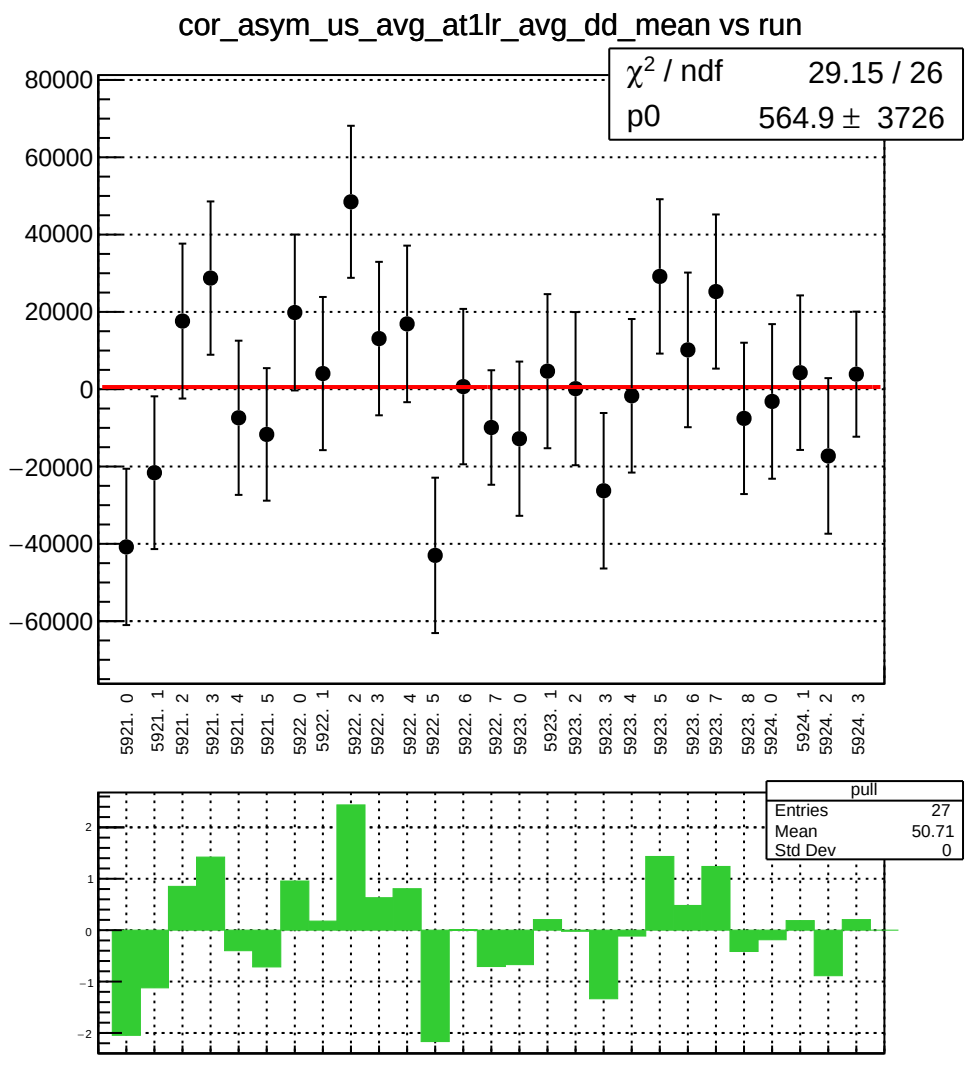

pull1D
Entries 27
Mean 0.009339
Std Dev 1.039
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

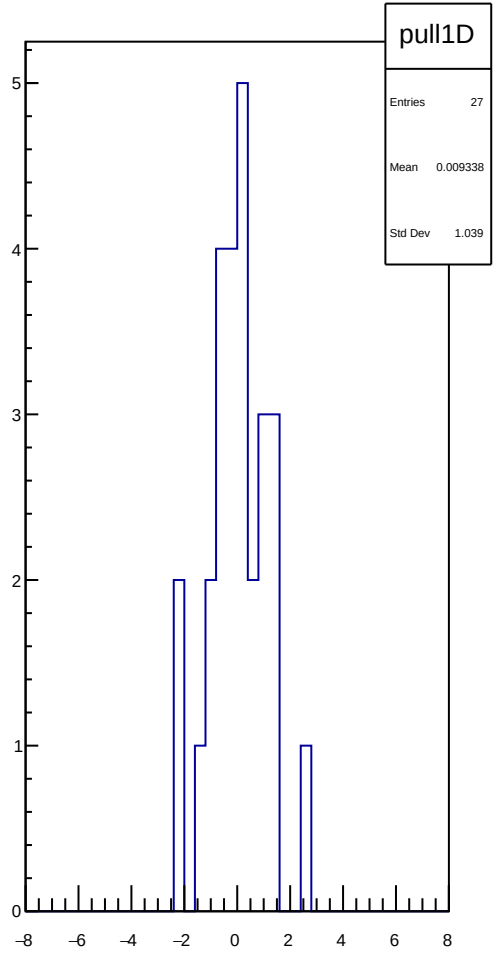

reg_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 27.79 / 26
p0 1894 ± 2.634
1940
1920
1900
1880
1860
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

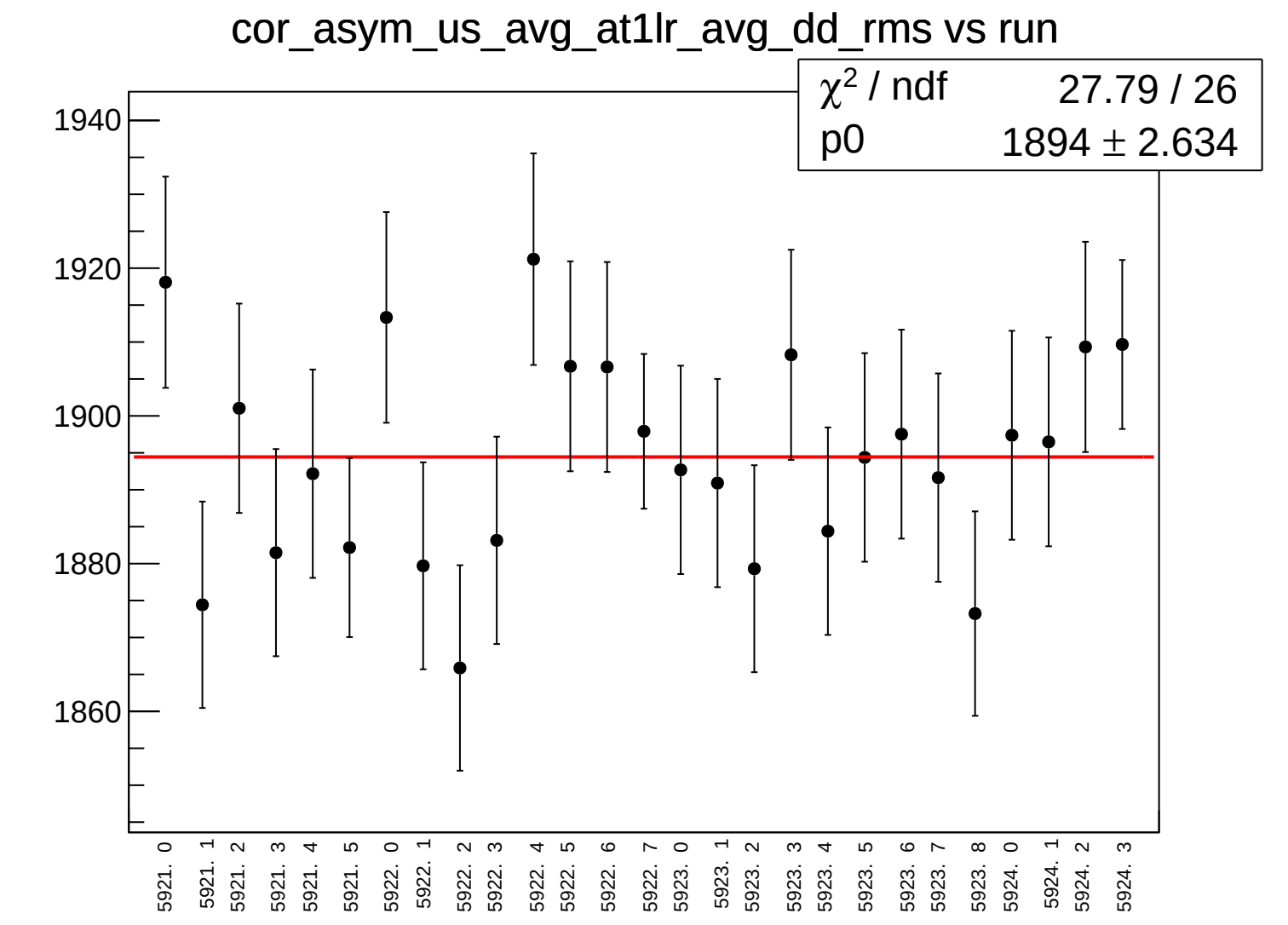

asym_us_avg_at1lr_avg_dd_reg_correction_mean vs run
χ² / ndf 31.44 / 26
p0 1190 ± 1446
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 353.6
Std Dev 0
2
1
0
−1
−2
−3

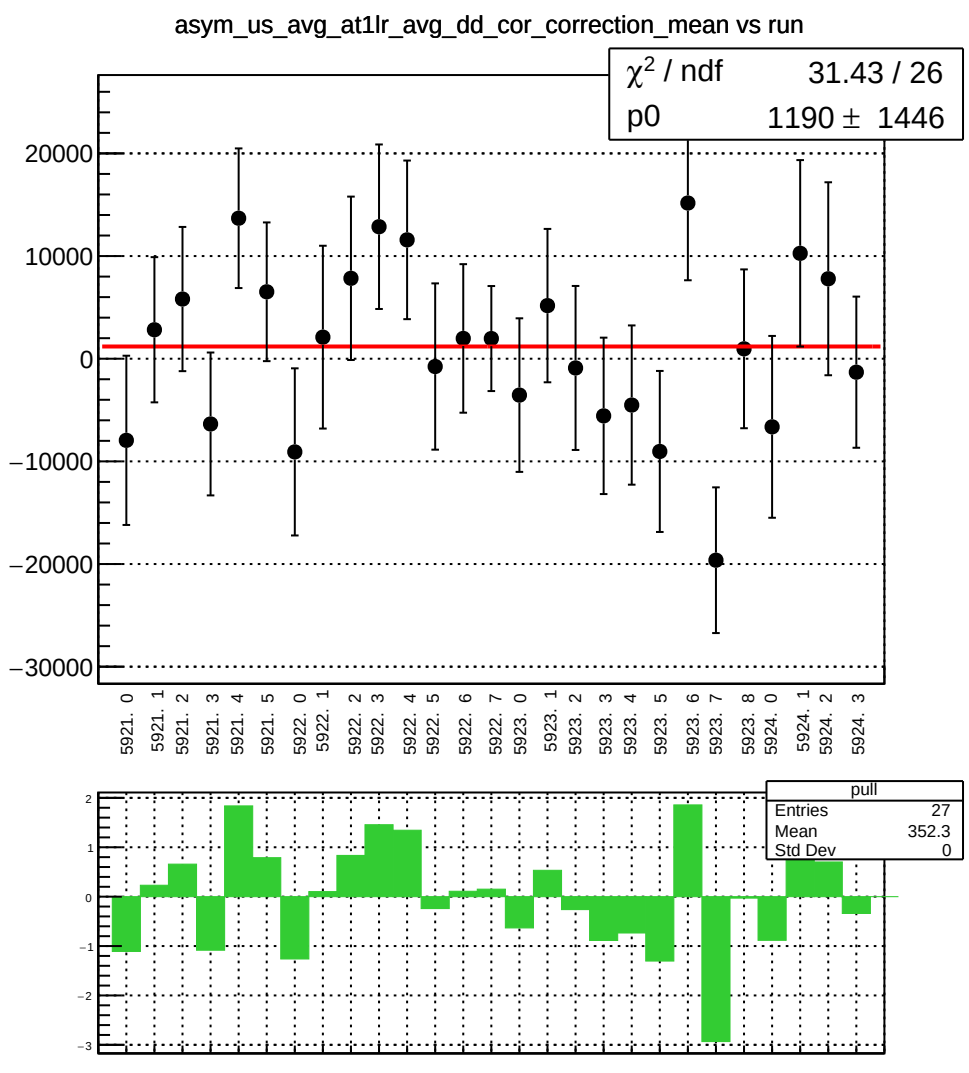

pull1D
Entries 27
Mean −0.003594
Std Dev 1.079
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

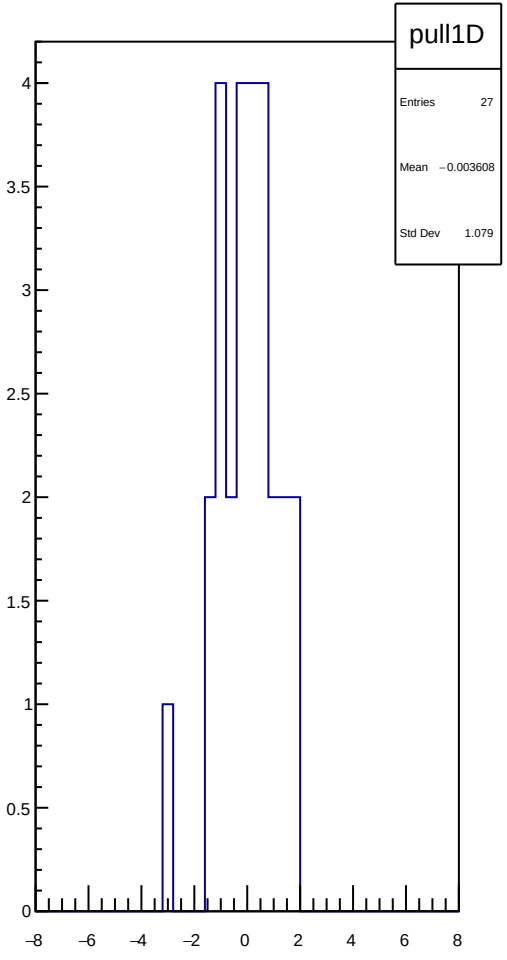

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs run
χ² / ndf 4108 / 26
p0 732.6 ± 1.023
900
850
800
750
700
650
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

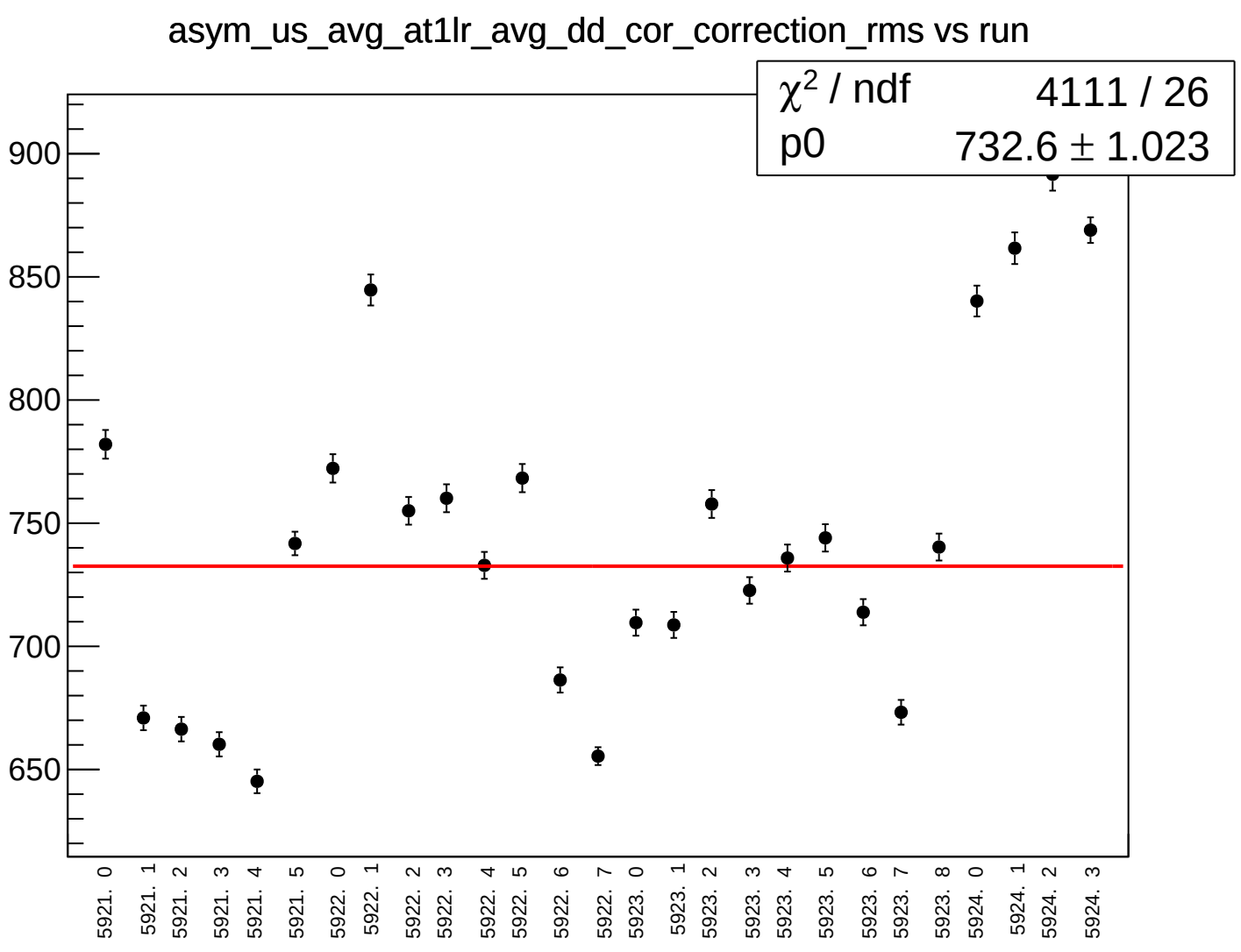

cor_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 29.15 / 26
p0 564.9 ± 3726
80000
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 50.71
Std Dev 0
2
1
0
−1
−2

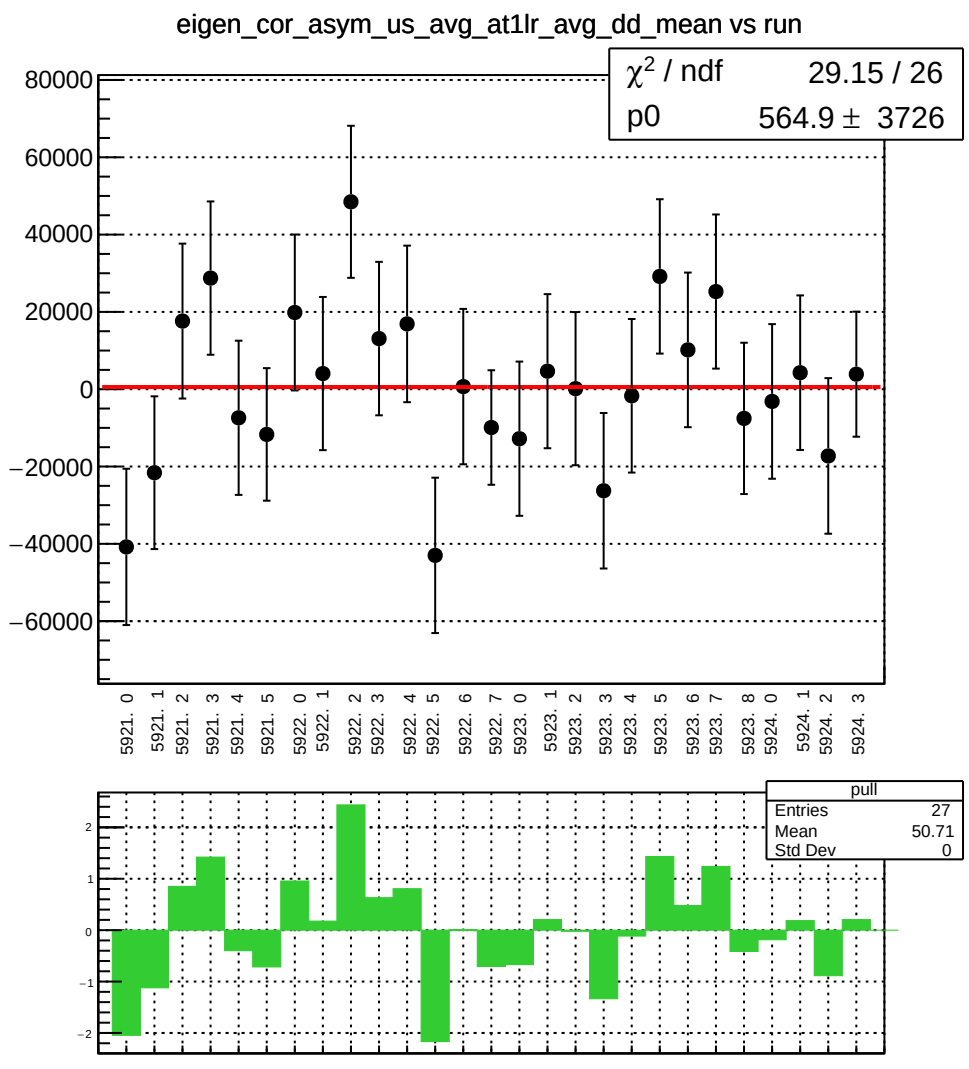

pull1D
Entries 27
Mean 0.009338
Std Dev 1.039
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

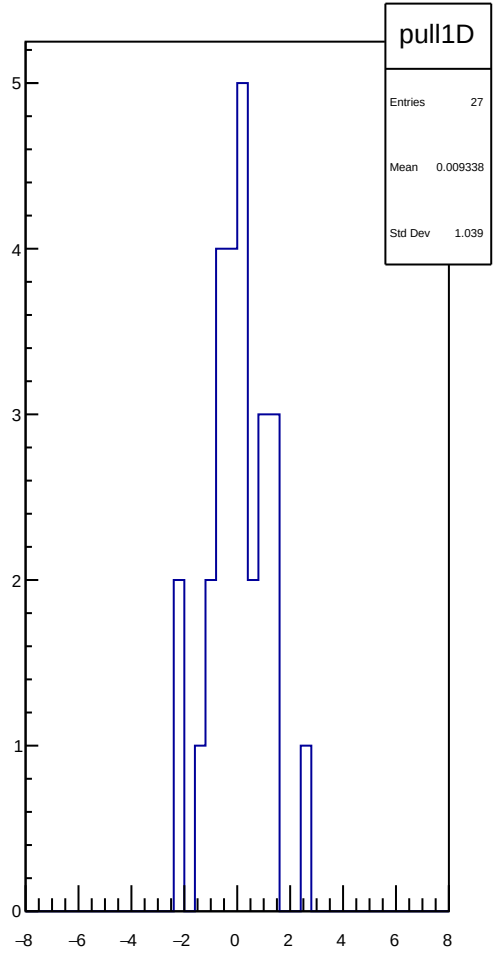

cor_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 27.79 / 26
p0 1894 ± 2.634
1940
1920
1900
1880
1860
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

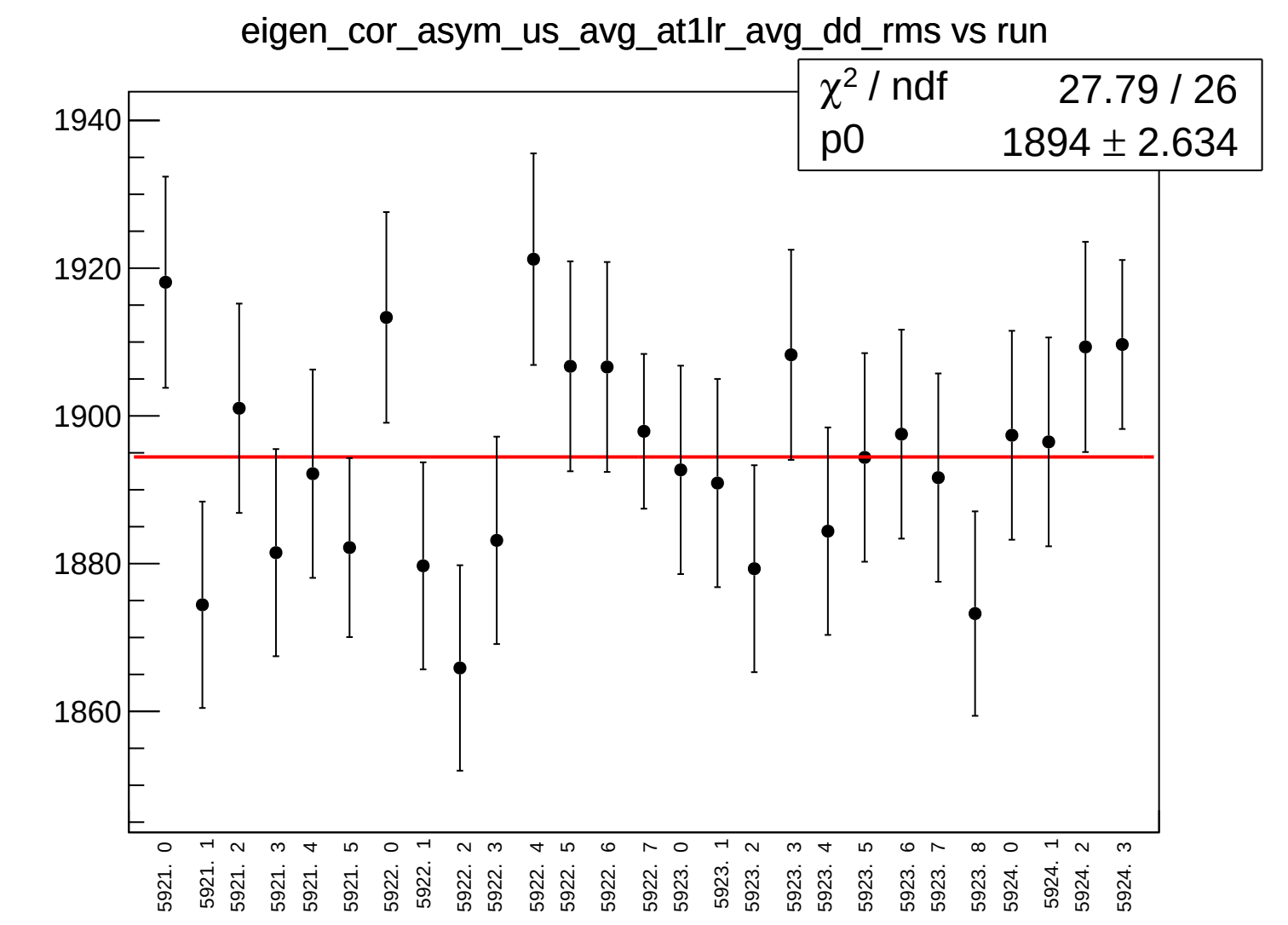

asym_us_avg_at1lr_avg_dd_cor_correction_mean vs run
χ² / ndf 31.43 / 26
p0 1190 ± 1446
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 352.3
Std Dev 0
2
1
0
−1
−2
−3

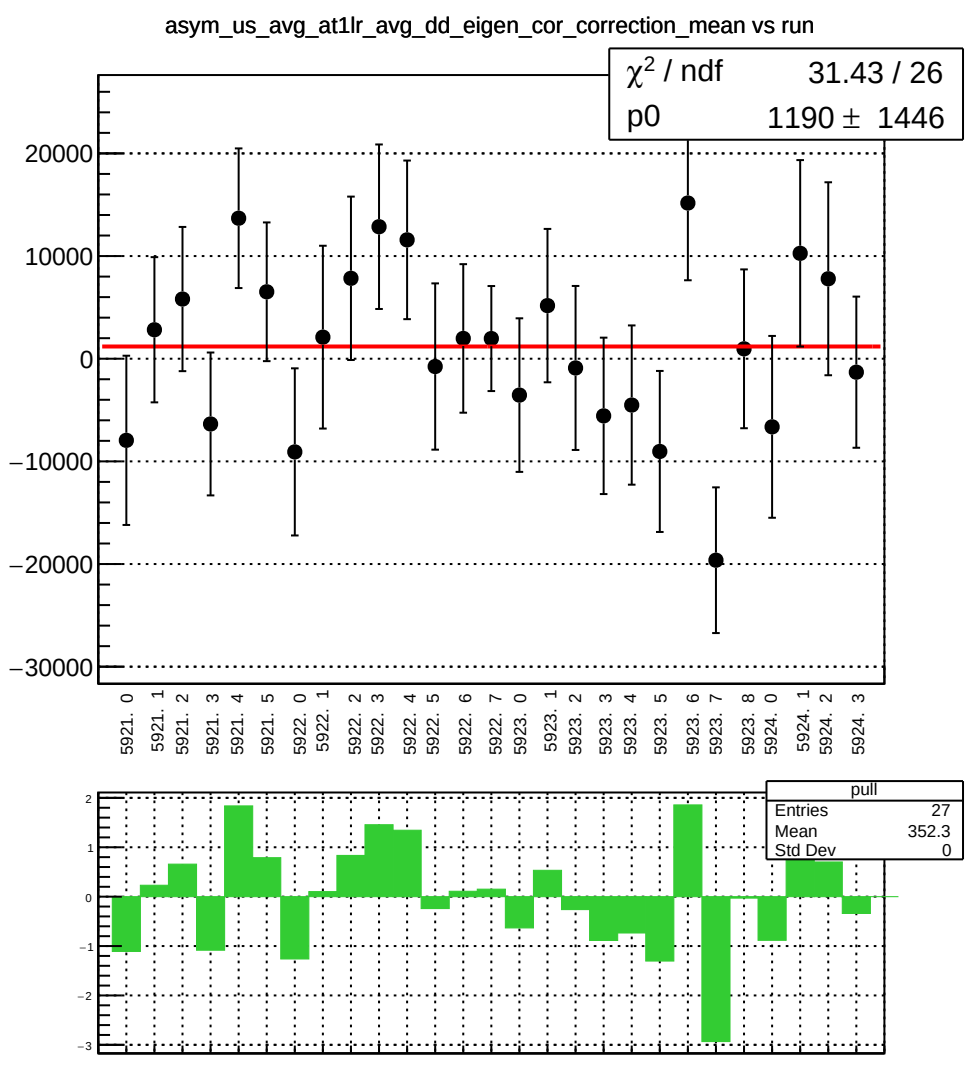

pull1D
Entries 27
Mean −0.003608
Std Dev 1.079
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

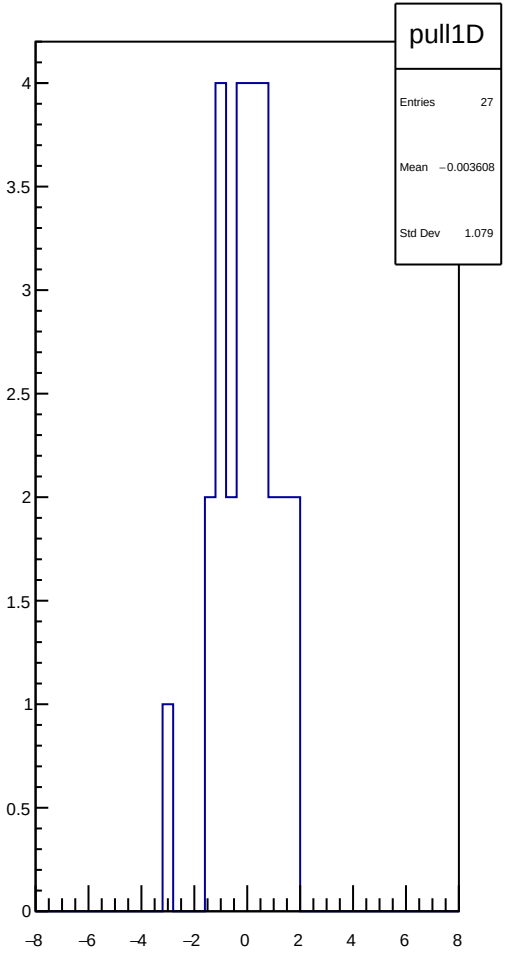

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs run
χ² / ndf 4111 / 26
p0 732.6 ± 1.023
900
850
800
750
700
650
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

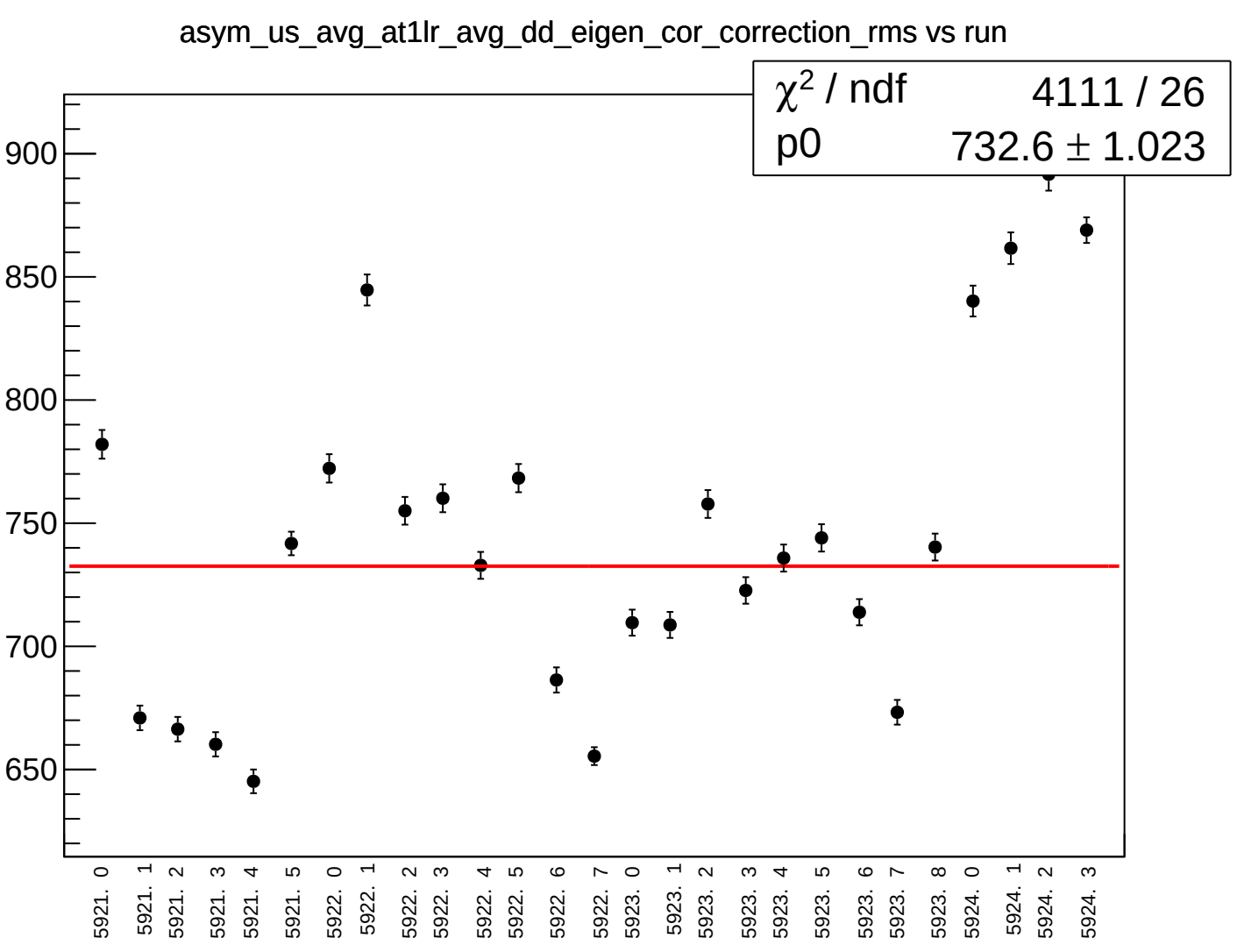

eigen_cor_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 29.15 / 26
p0 564.9 ± 3726
80000
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 50.71
Std Dev 0
2
1
0
−1
−2

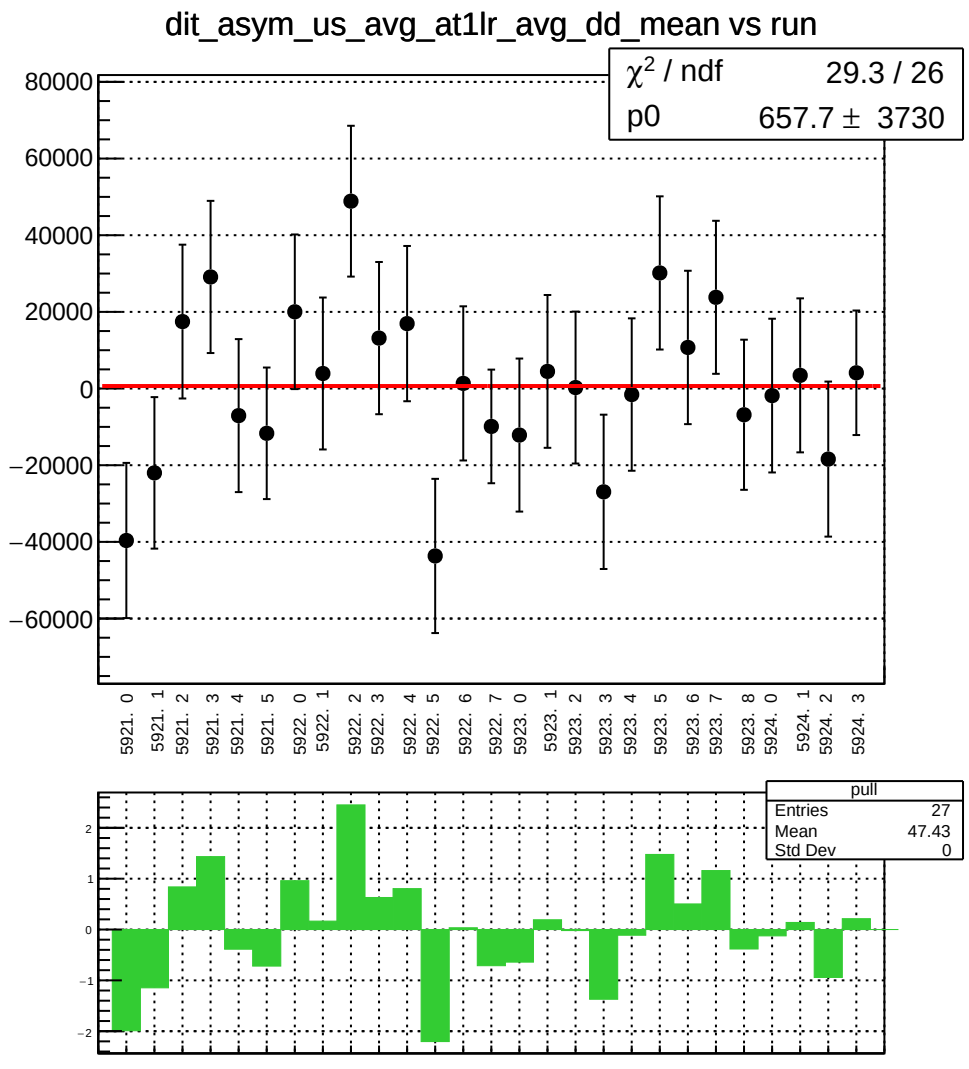

pull1D
Entries 27
Mean 0.009338
Std Dev 1.039
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

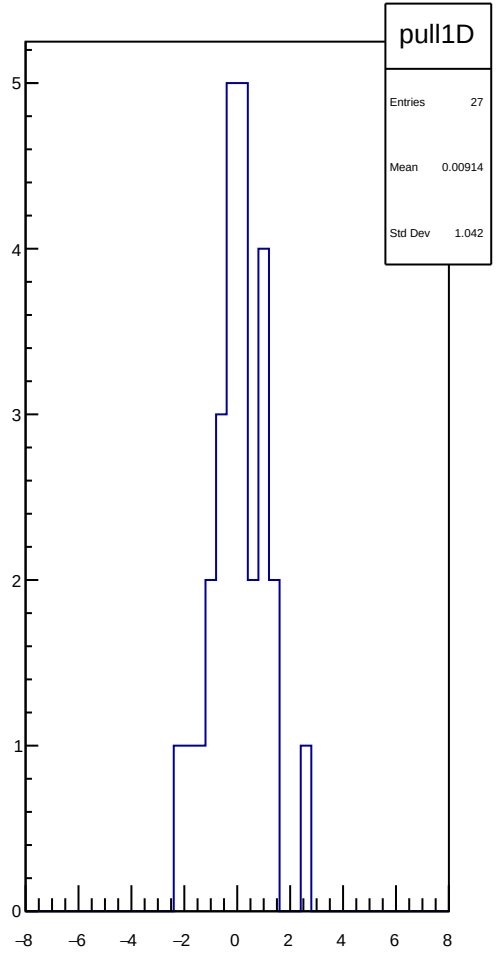

eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 27.79 / 26
p0 1894 ± 2.634
1940
1920
1900
1880
1860
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

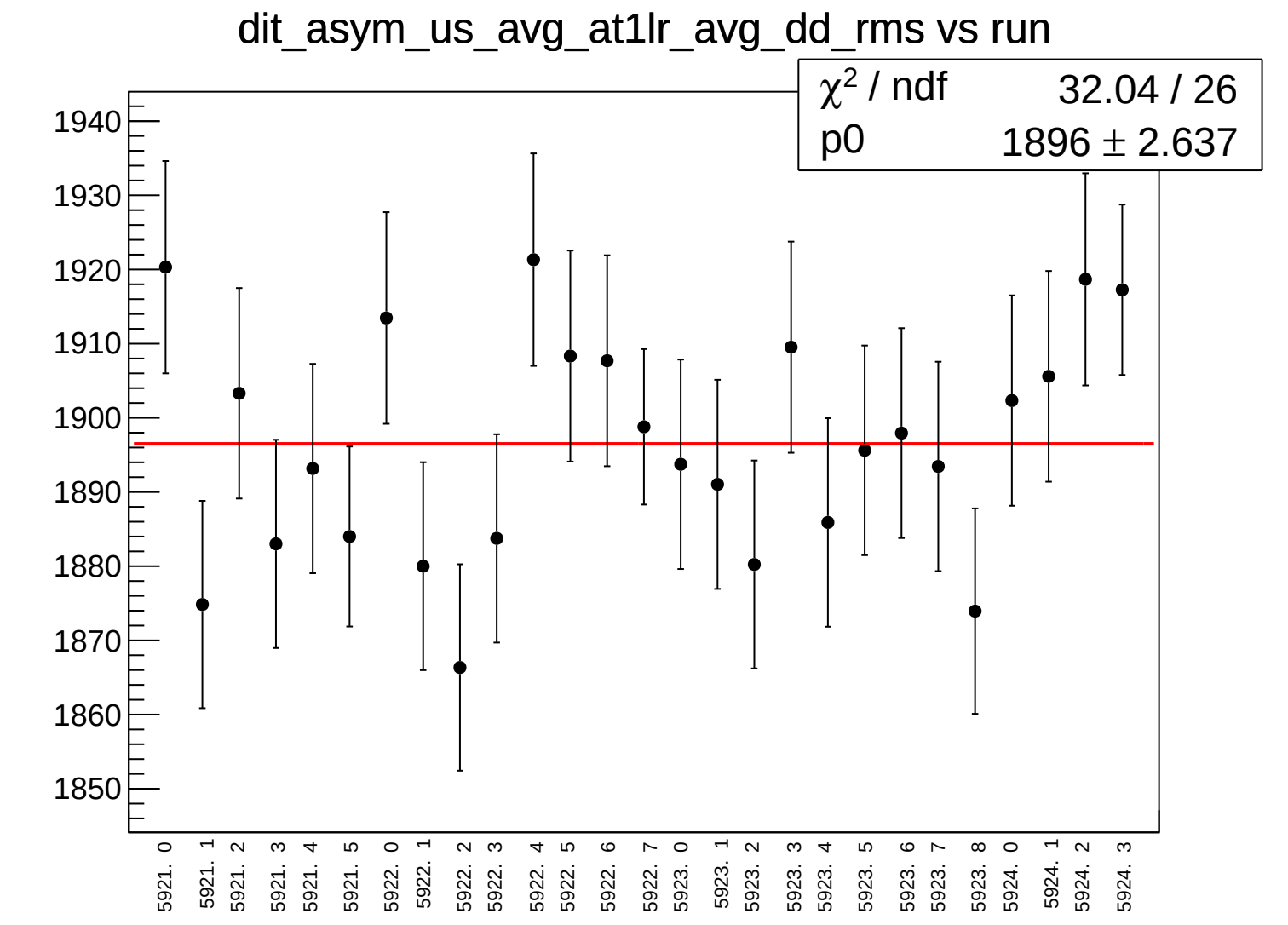

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs run
χ² / ndf 31.43 / 26
p0 1190 ± 1446
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 352.3
Std Dev 0
2
1
0
−1
−2
−3

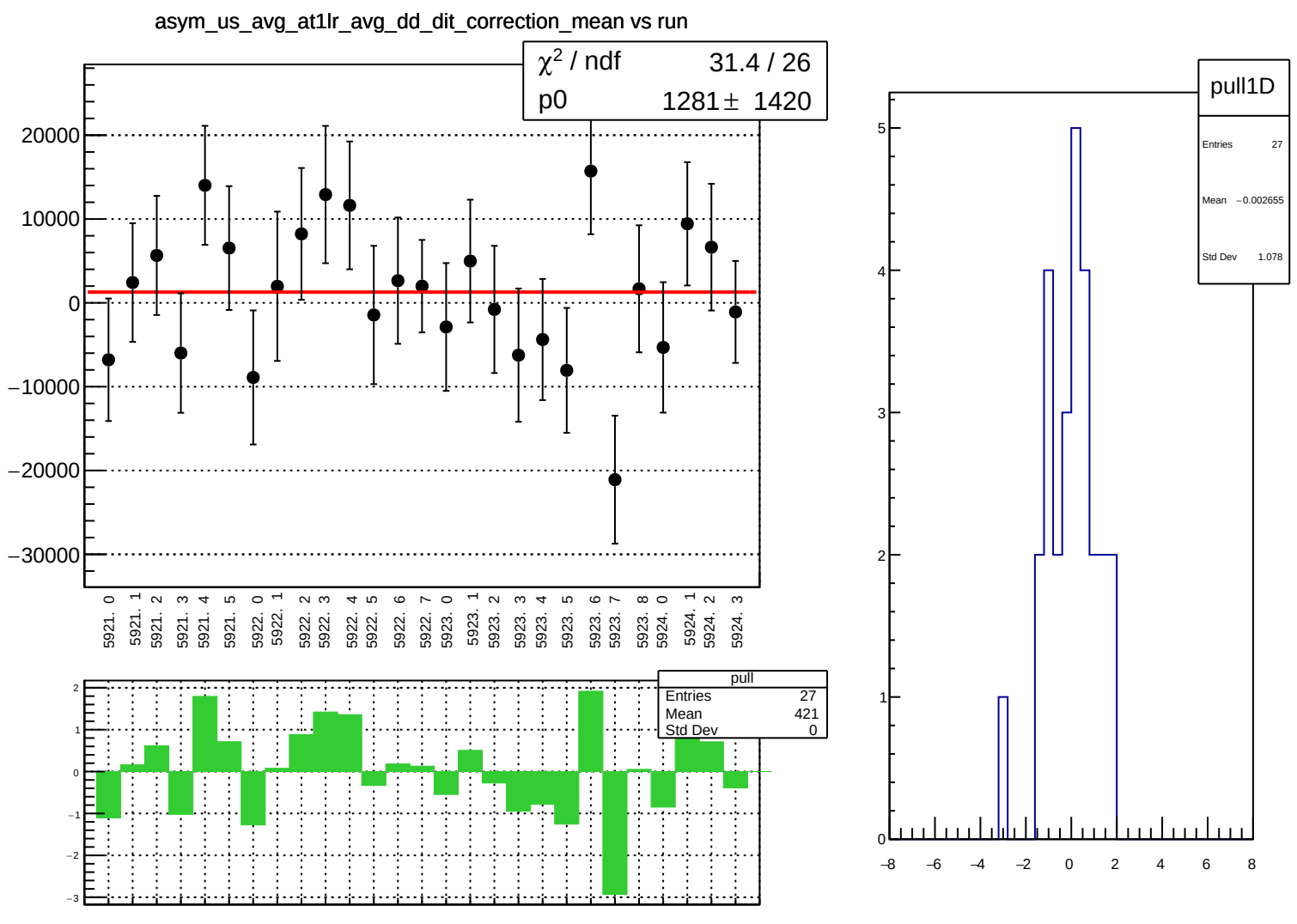

pull1D
Entries 27
Mean −0.003608
Std Dev 1.079
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

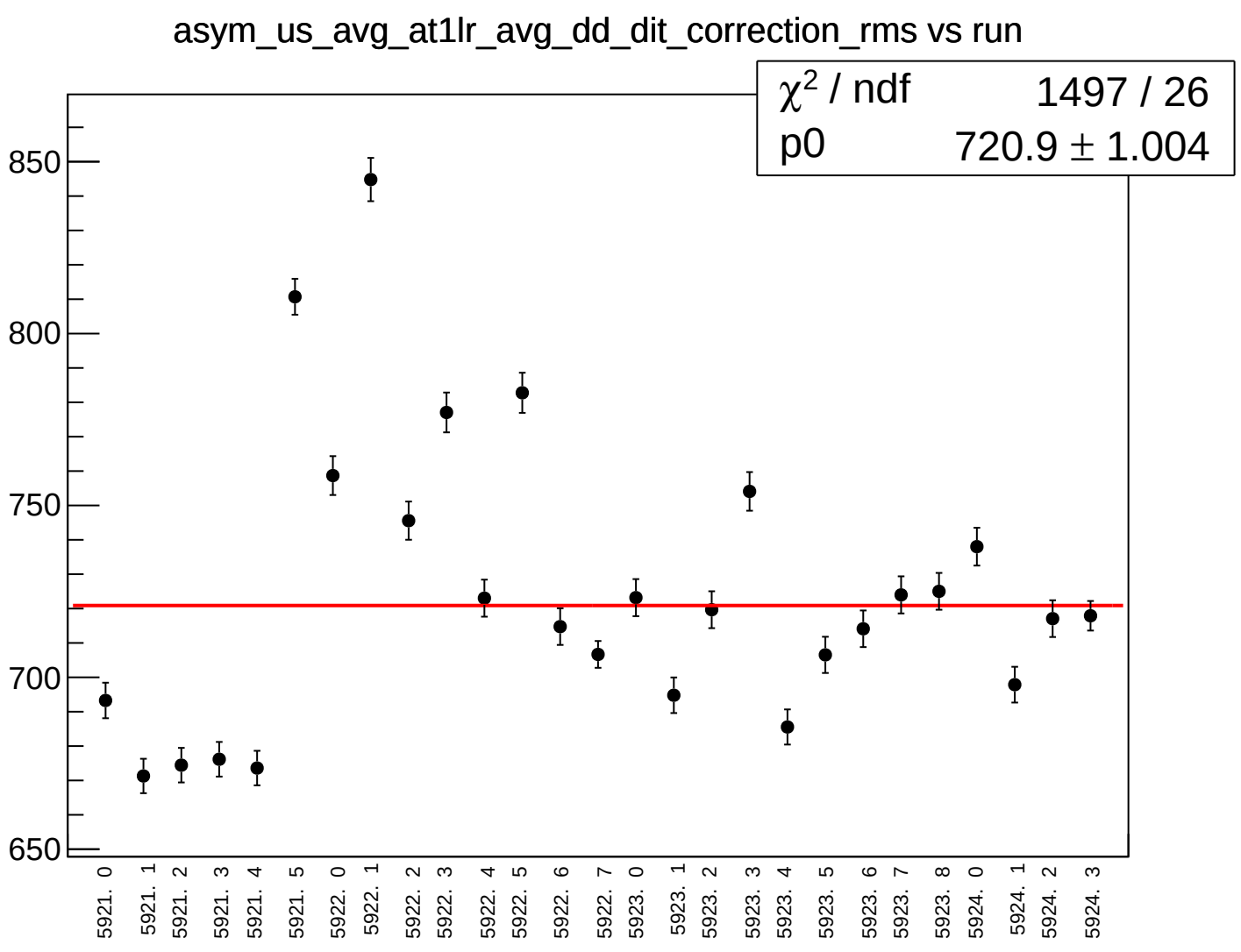

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 4111 / 26
p0 732.6 ± 1.023
900
850
800
750
700
650
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

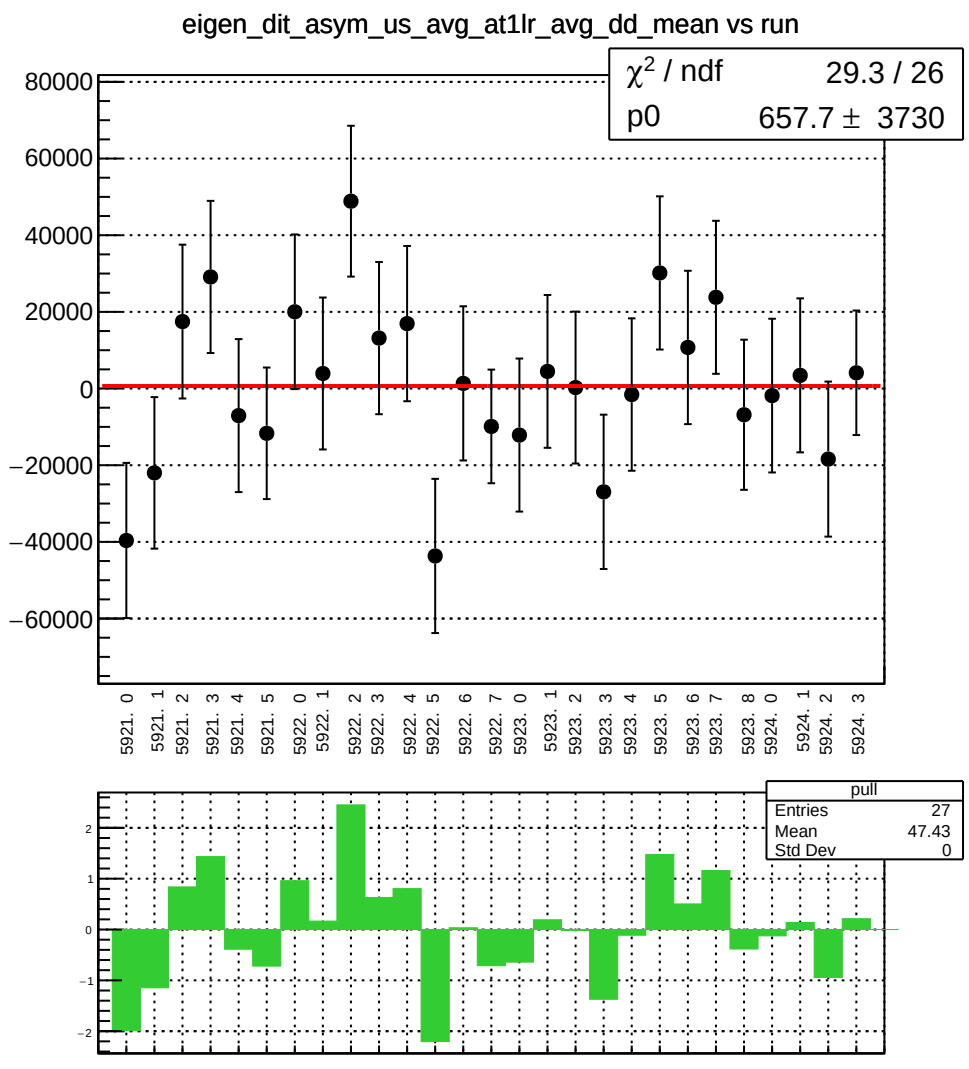

dit_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 29.3 / 26
p0 657.7 ± 3730
80000
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 47.43
Std Dev 0
2
1
0
−1
−2

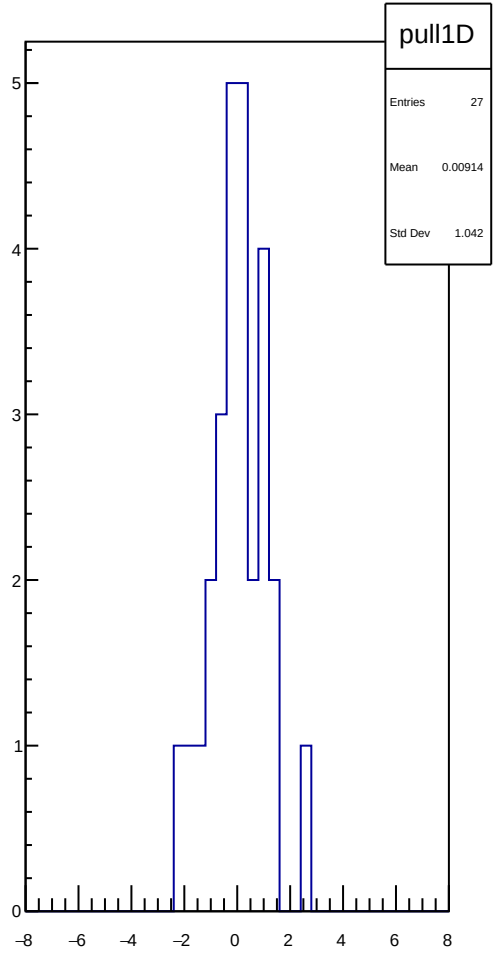

pull1D
Entries 27
Mean 0.00914
Std Dev 1.042
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

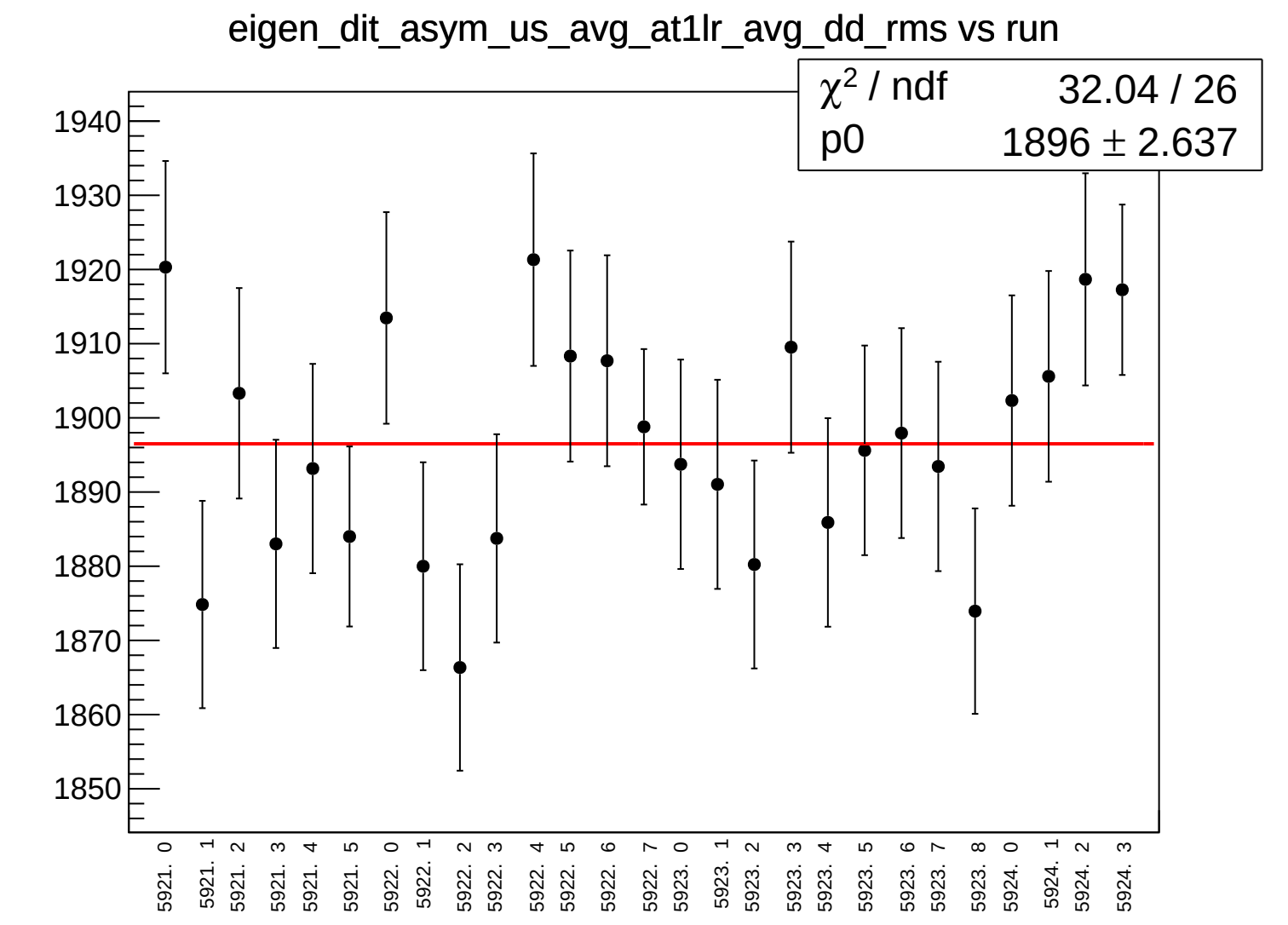

dit_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 32.04 / 26
p0 1896 ± 2.637
1940
1930
1920
1910
1900
1890
1880
1870
1860
1850
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

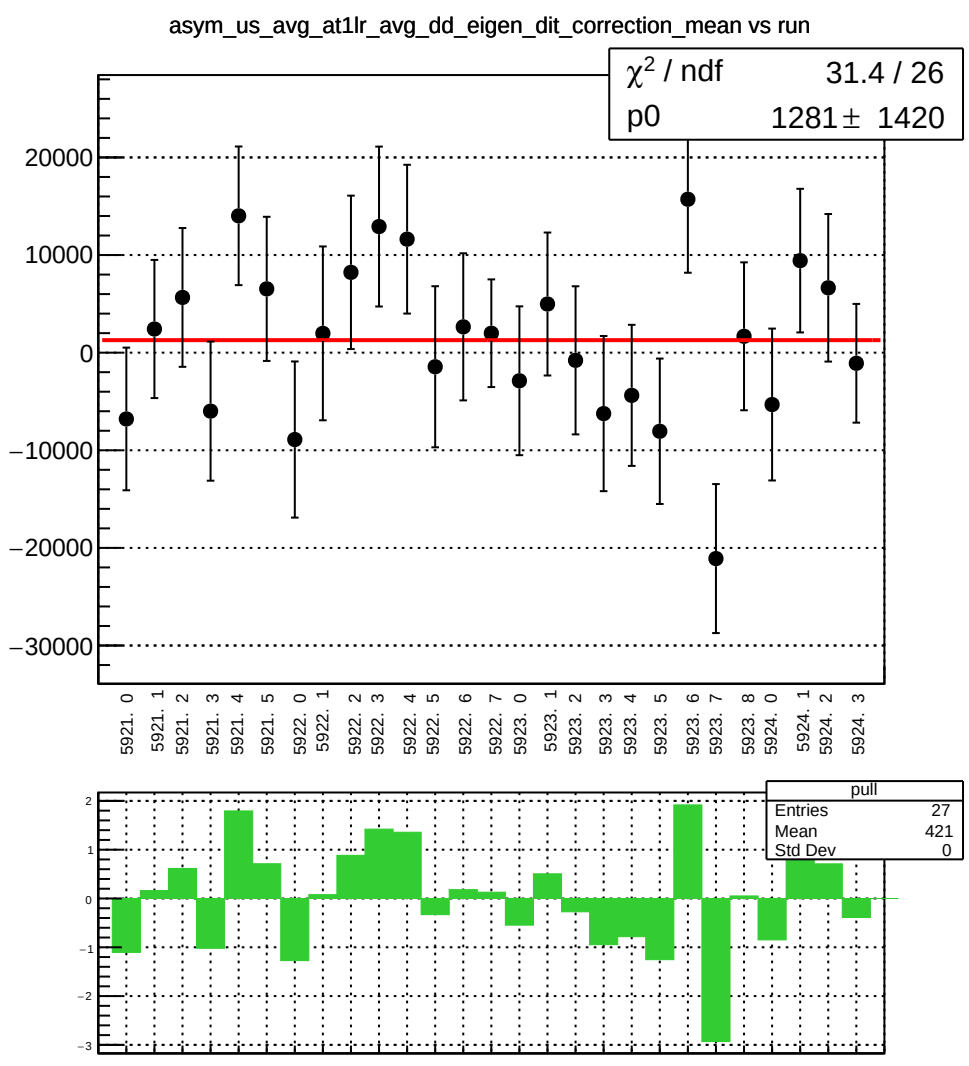

asym_us_avg_at1lr_avg_dd_dit_correction_mean vs run
χ² / ndf 31.4 / 26
p0 1281 ± 1420
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 421
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 27
Mean −0.002655
Std Dev 1.078
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

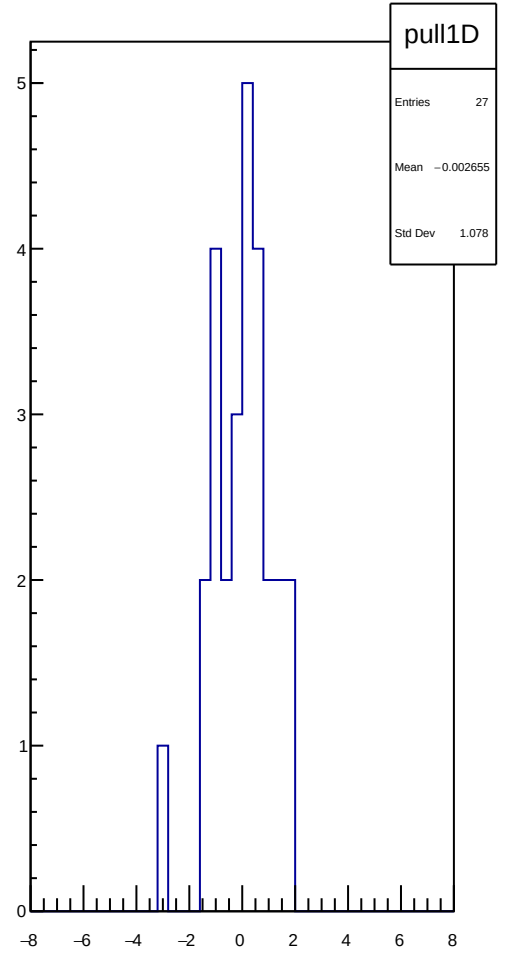

asym_us_avg_at1lr_avg_dd_dit_correction_rms vs run
χ² / ndf 1497 / 26
p0 720.9 ± 1.004
850
800
750
700
650
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

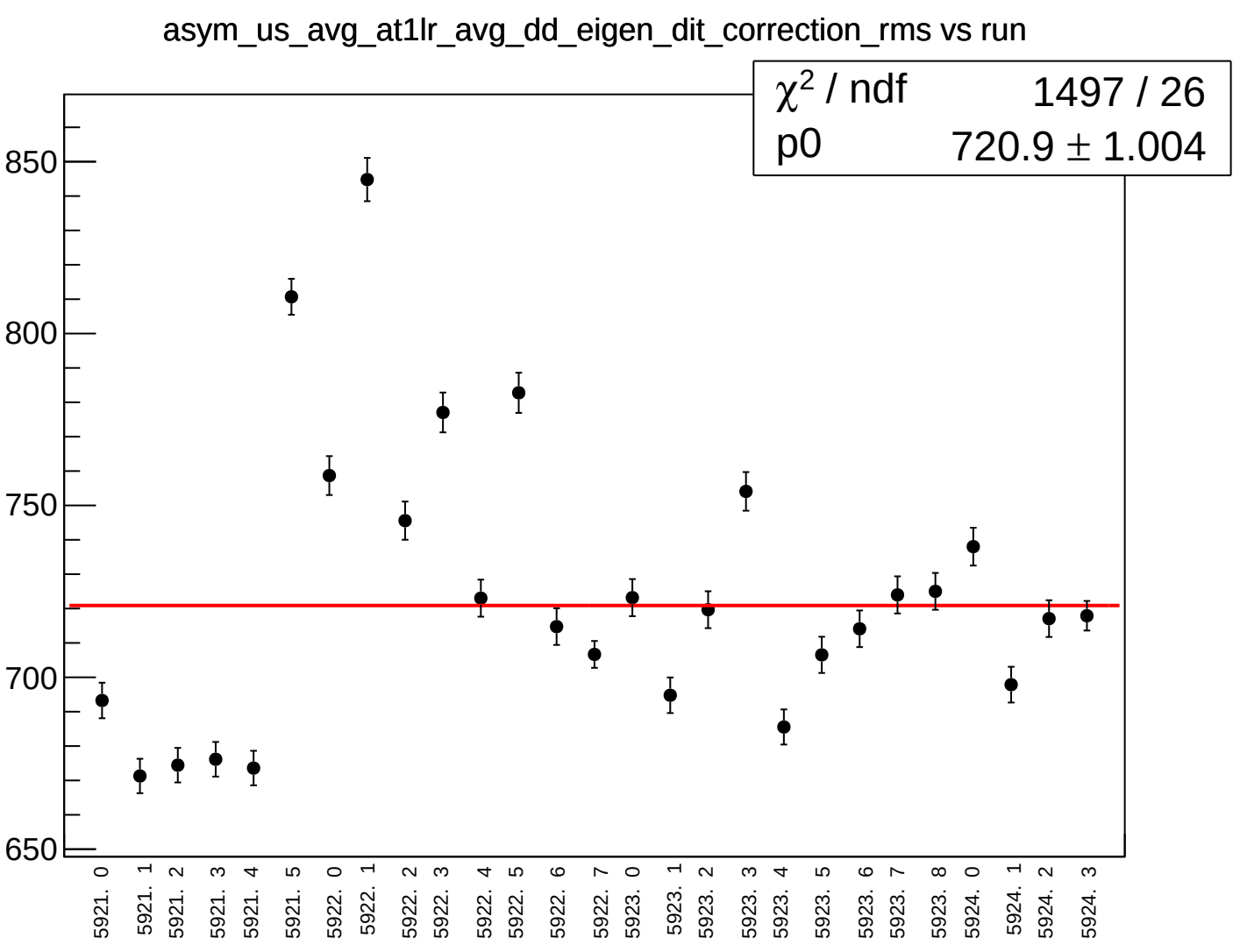

eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 29.3 / 26
p0 657.7 ± 3730
80000
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 47.43
Std Dev 0
2
1
0
−1
−2

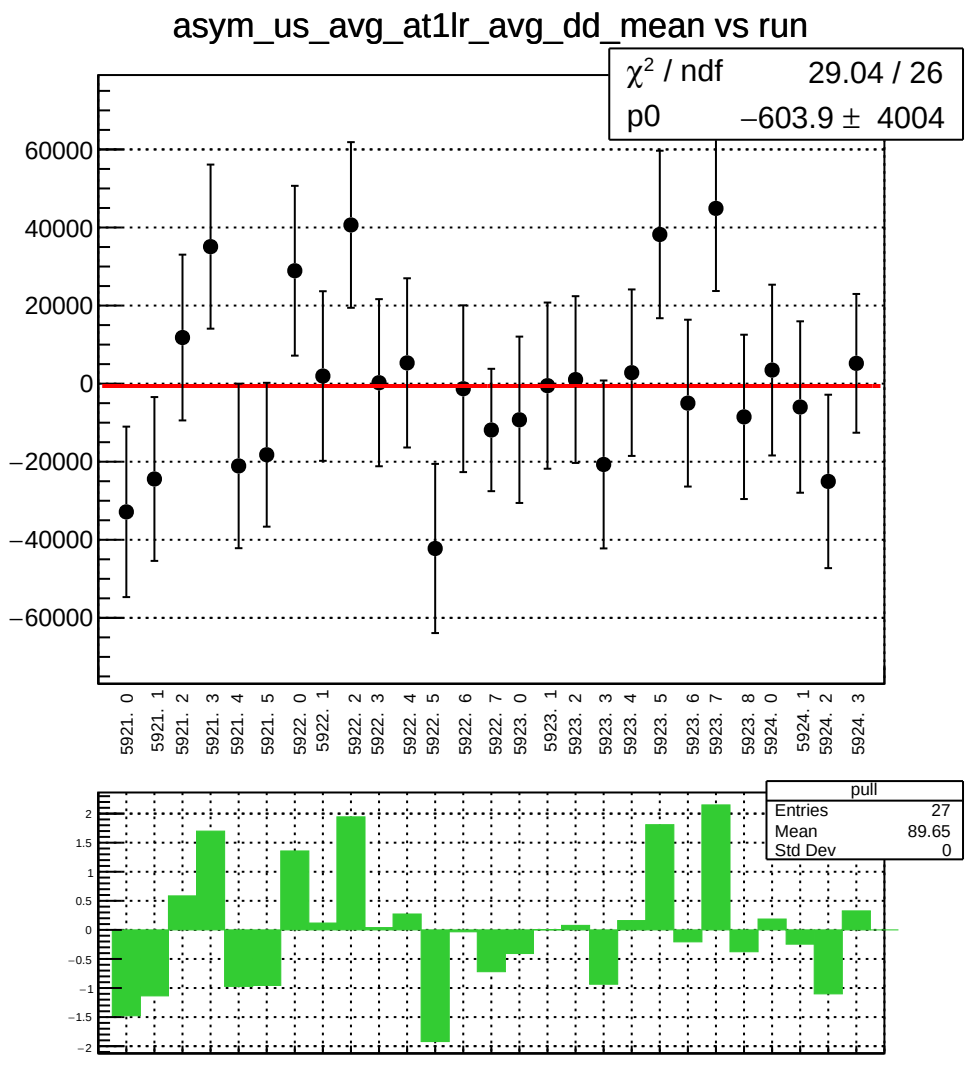

pull1D
Entries 27
Mean 0.00914
Std Dev 1.042
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

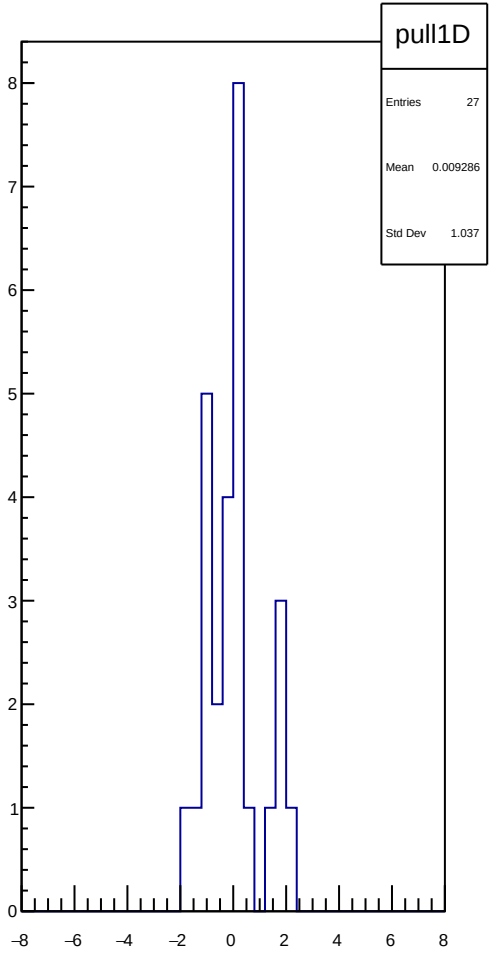

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 32.04 / 26
p0 1896 ± 2.637
1940
1930
1920
1910
1900
1890
1880
1870
1860
1850
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

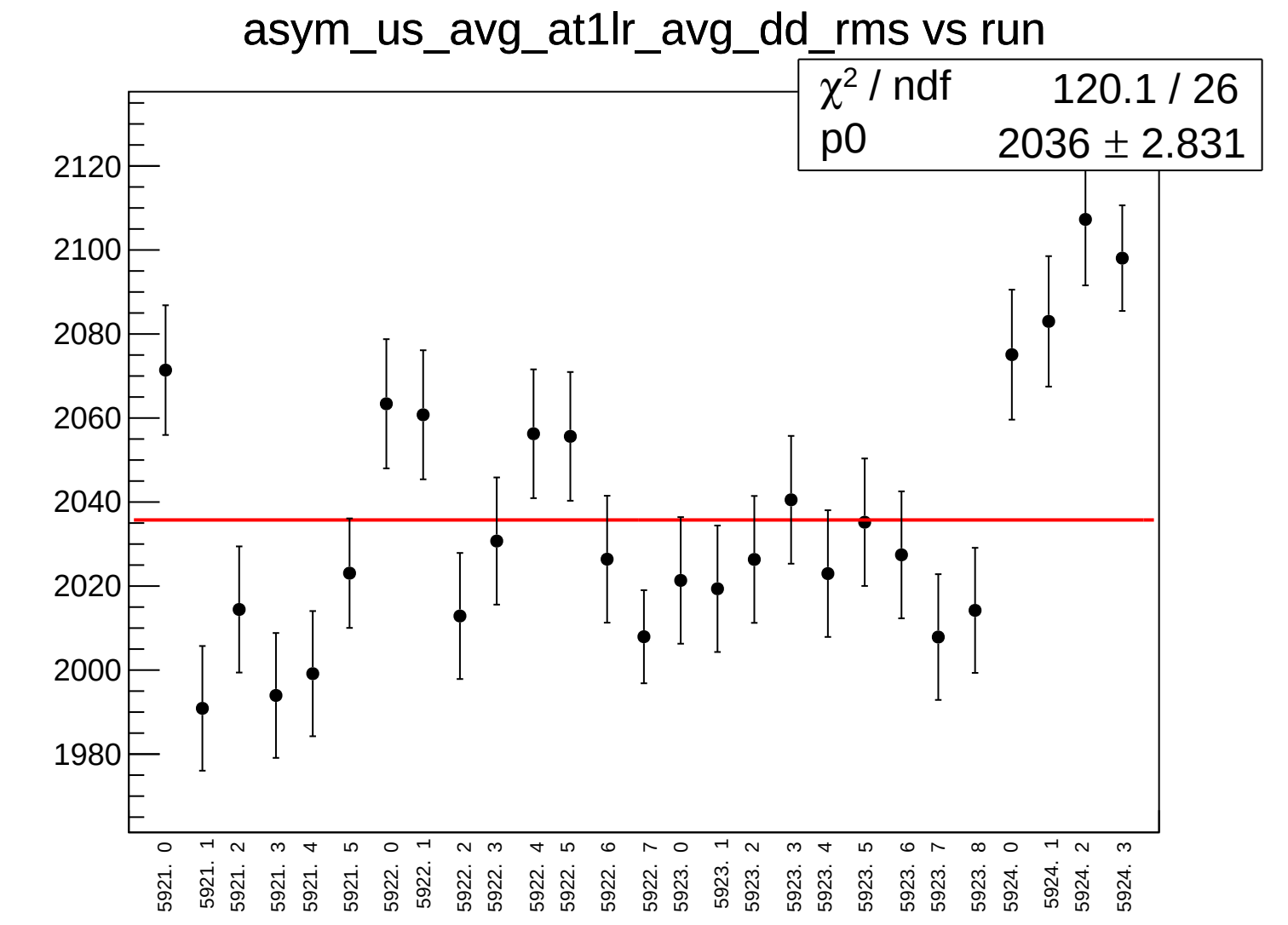

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs run
χ² / ndf 31.4 / 26
p0 1281 ± 1420
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 421
Std Dev 0
2
1
0
−1
−2
−3

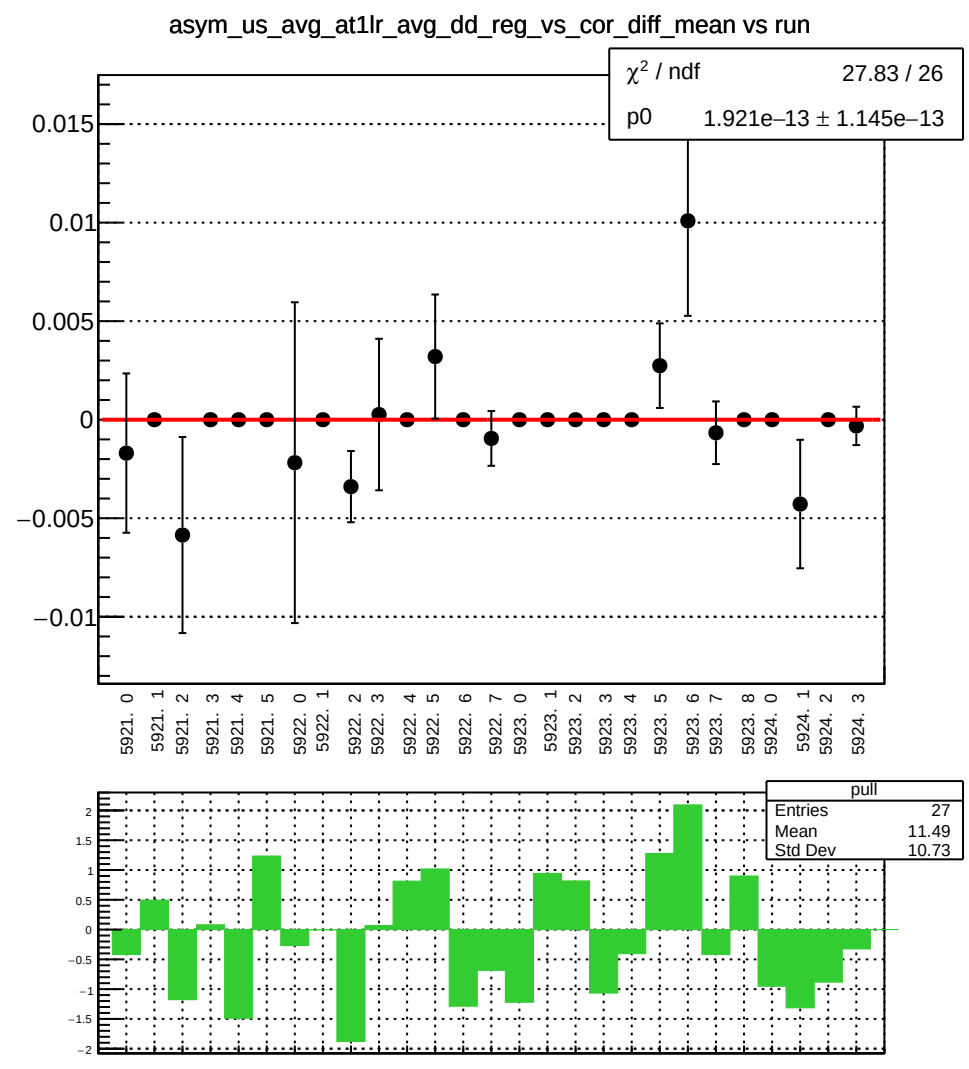

pull1D
Entries 27
Mean −0.002655
Std Dev 1.078
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

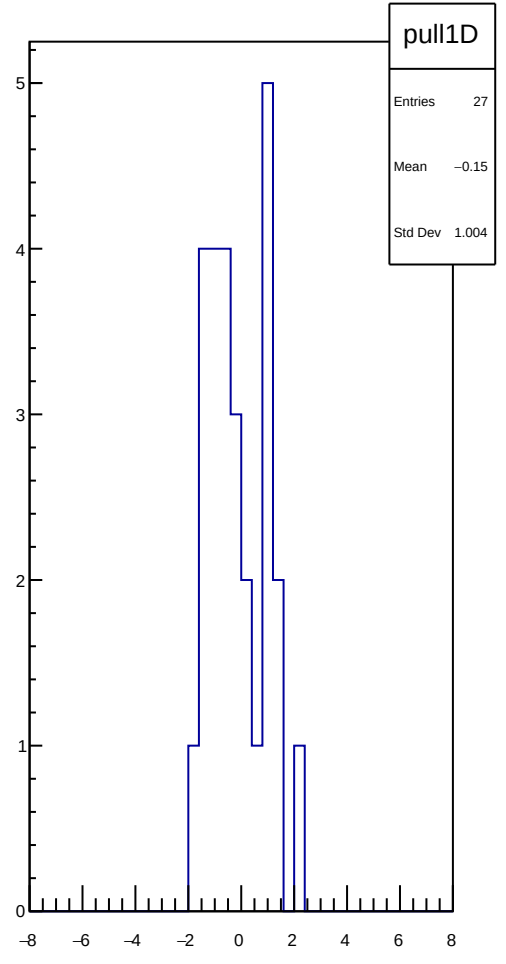

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 1497 / 26
p0 720.9 ± 1.004
850
800
750
700
650
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

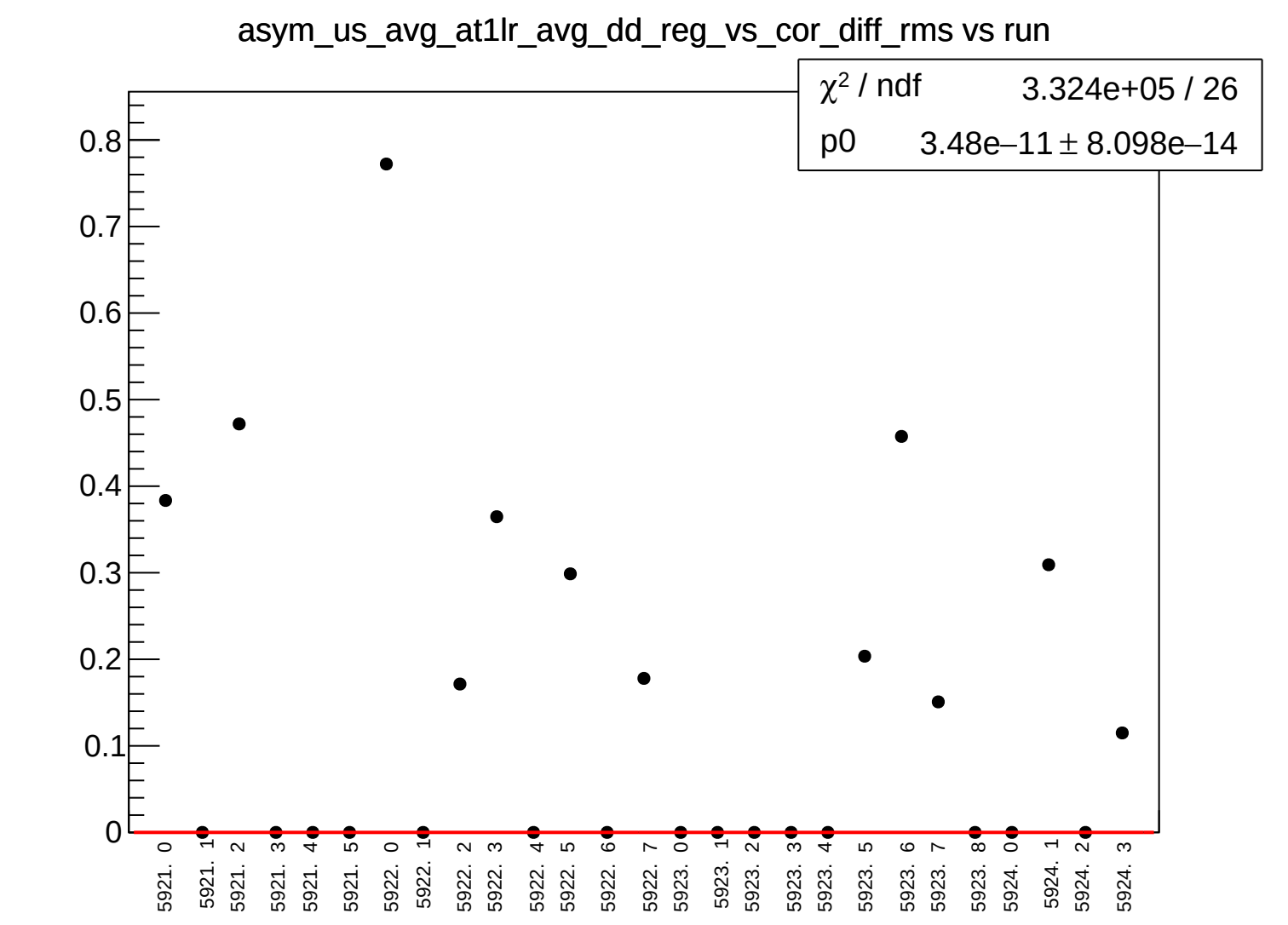

asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 29.04 / 26
p0 −603.9 ± 4004
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 89.65
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

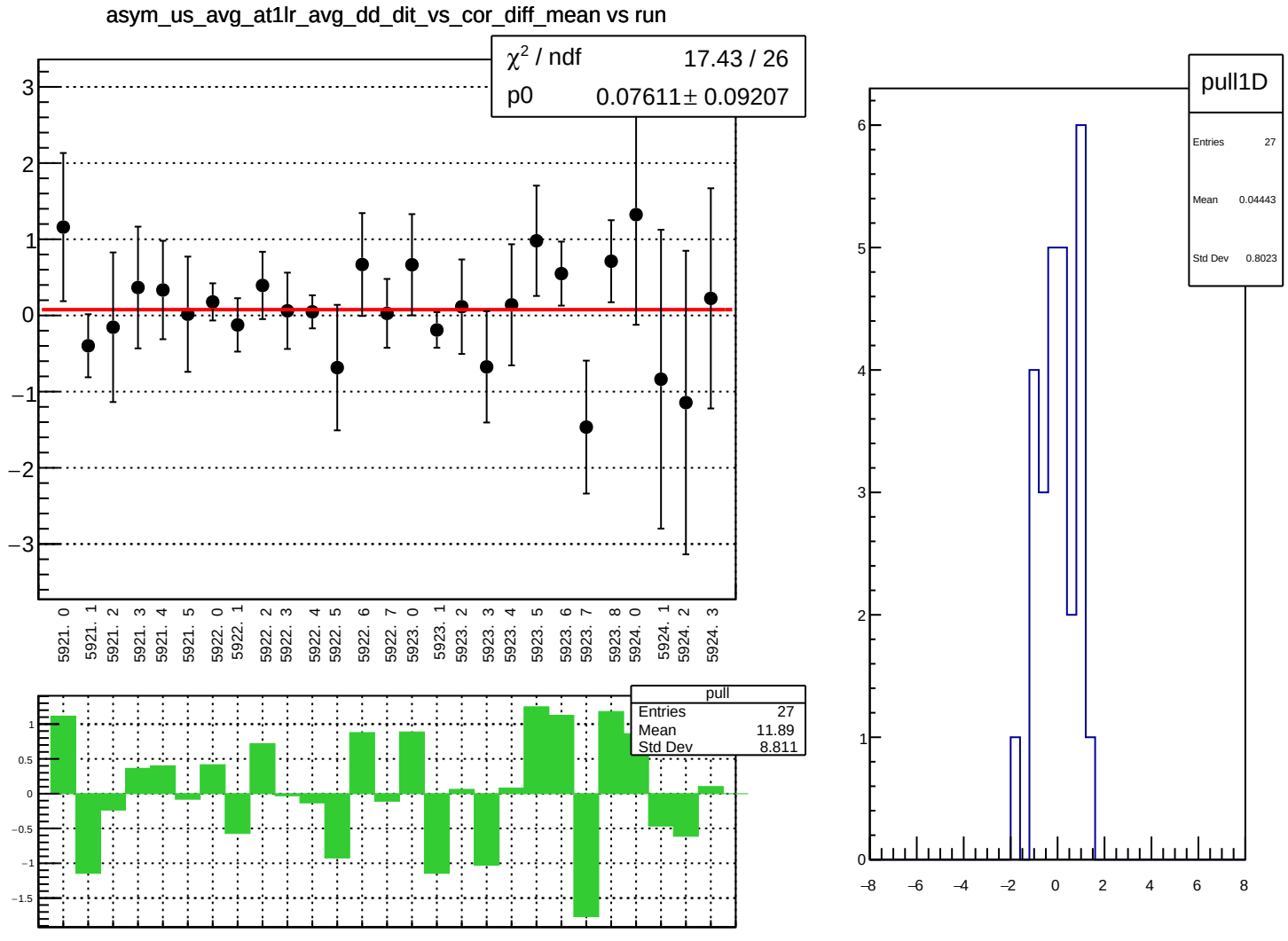

pull1D
Entries 27
Mean 0.009286
Std Dev 1.037
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

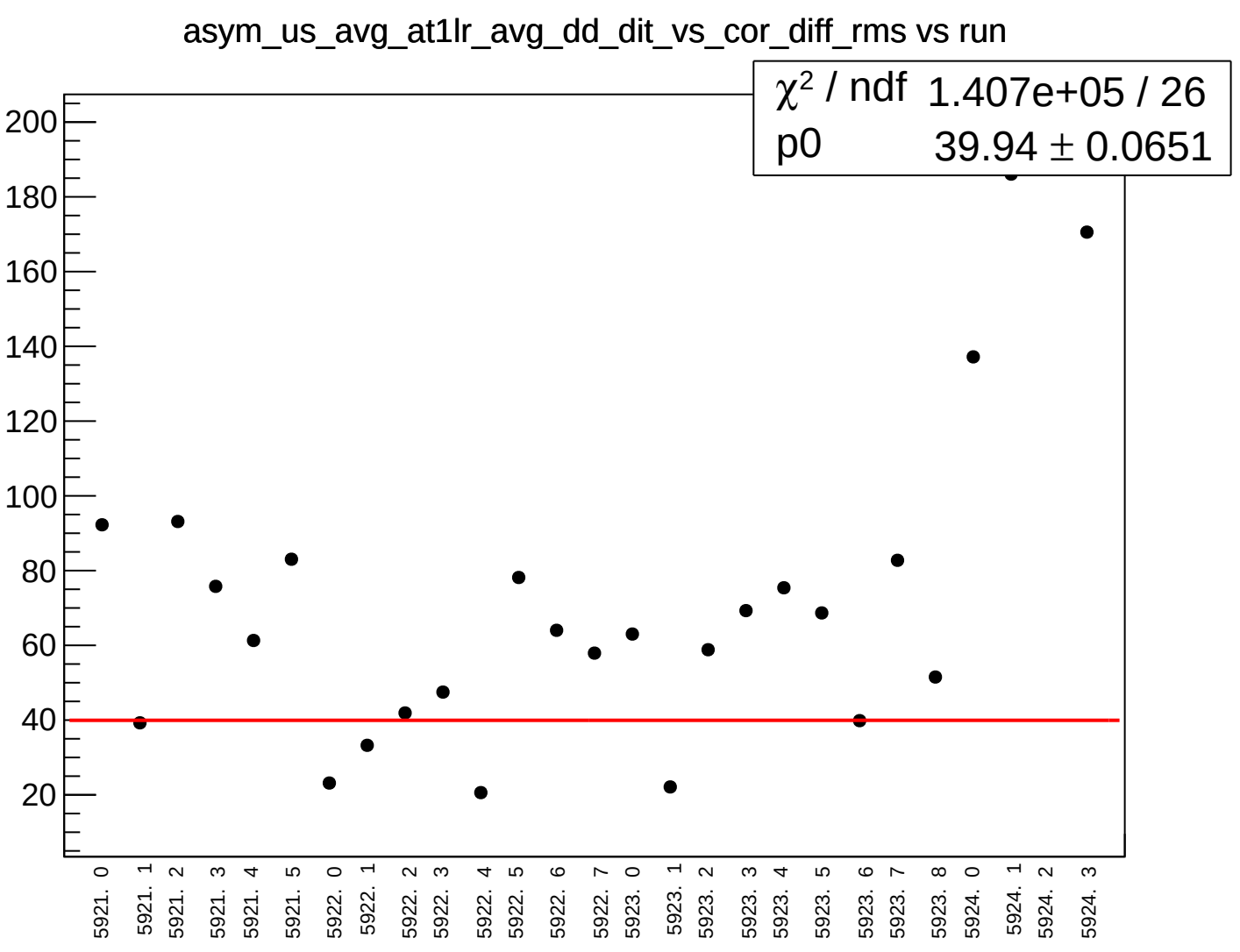

asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 120.1 / 26
p0 2036 ± 2.831
2120
2100
2080
2060
2040
2020
2000
1980
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

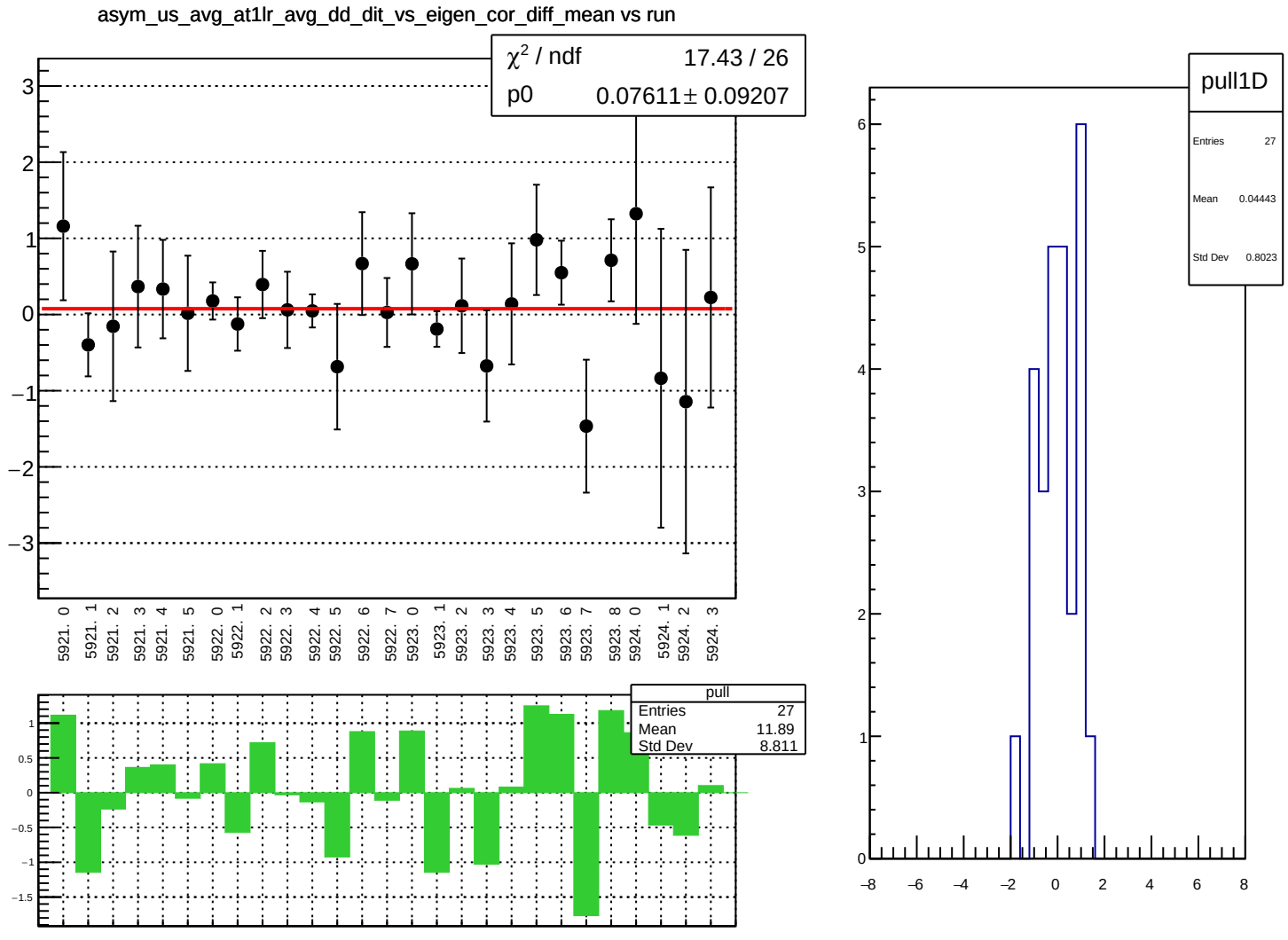

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 27.83 / 26
p0 1.921e−13 ± 1.145e−13
0.015
0.01
0.005
0
−0.005
−0.01
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 11.49
Std Dev 10.73
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

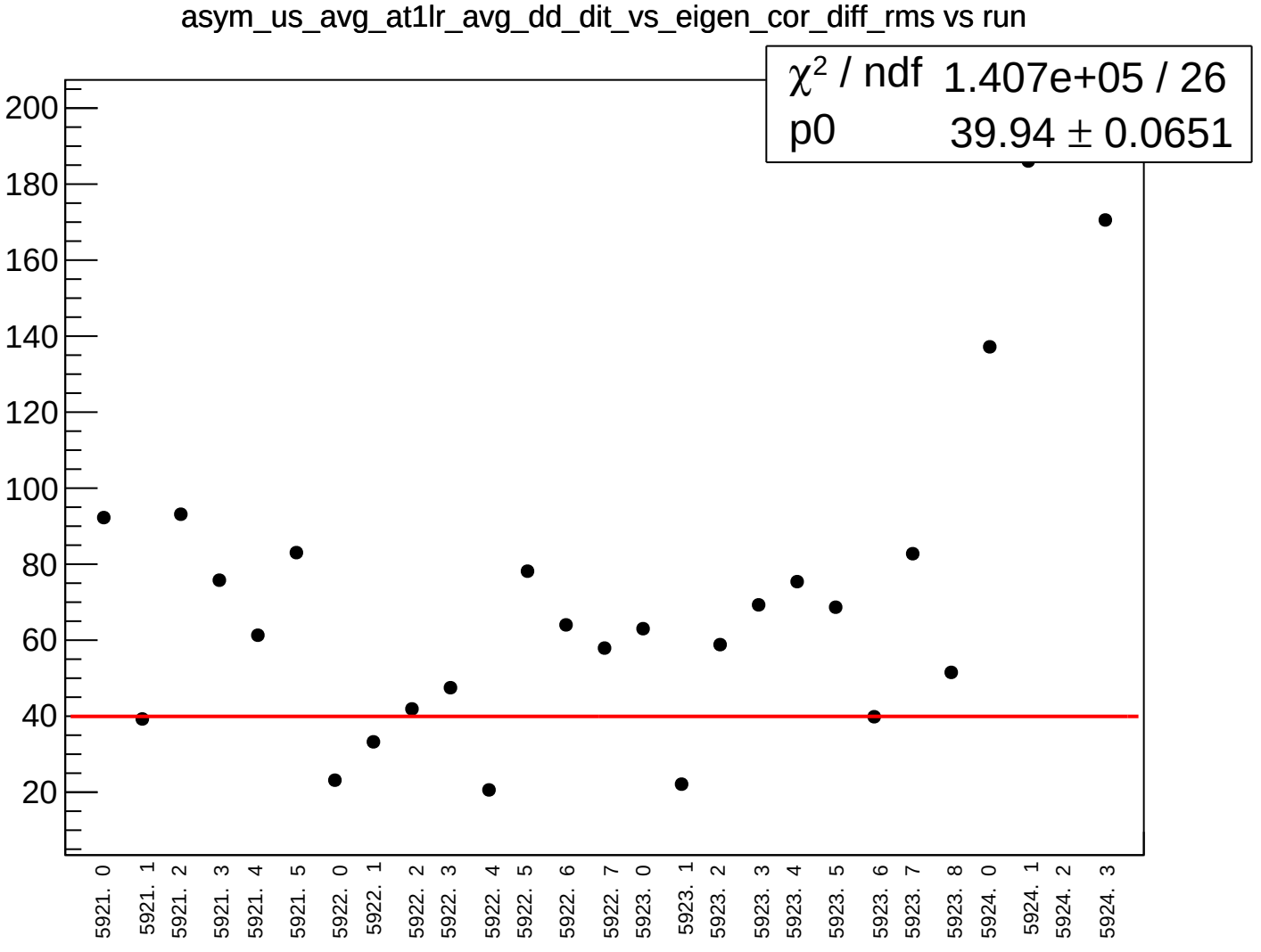

pull1D
Entries 27
Mean −0.15
Std Dev 1.004
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

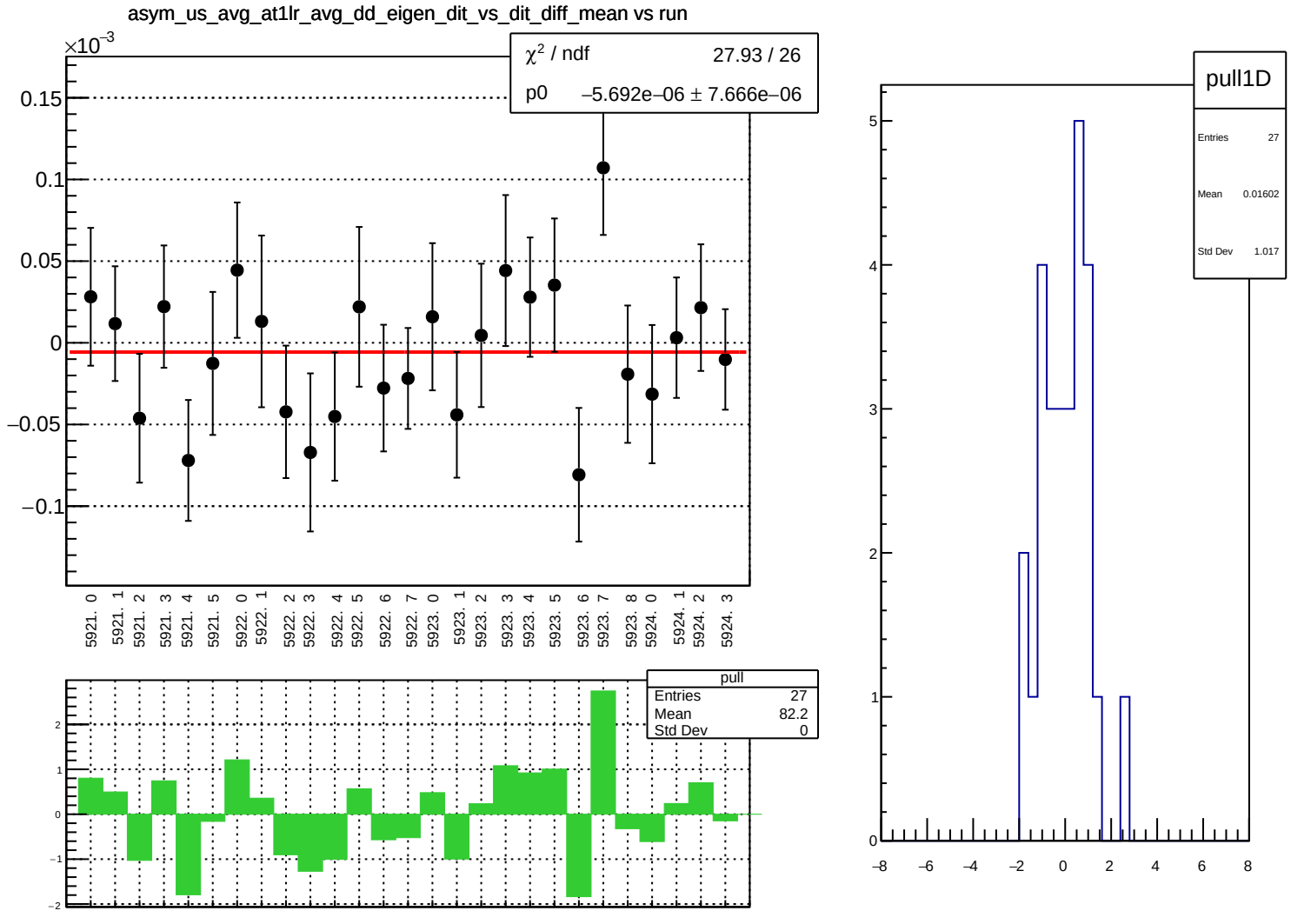

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.324e+05 / 26
p0 3.48e−11 ± 8.098e−14
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

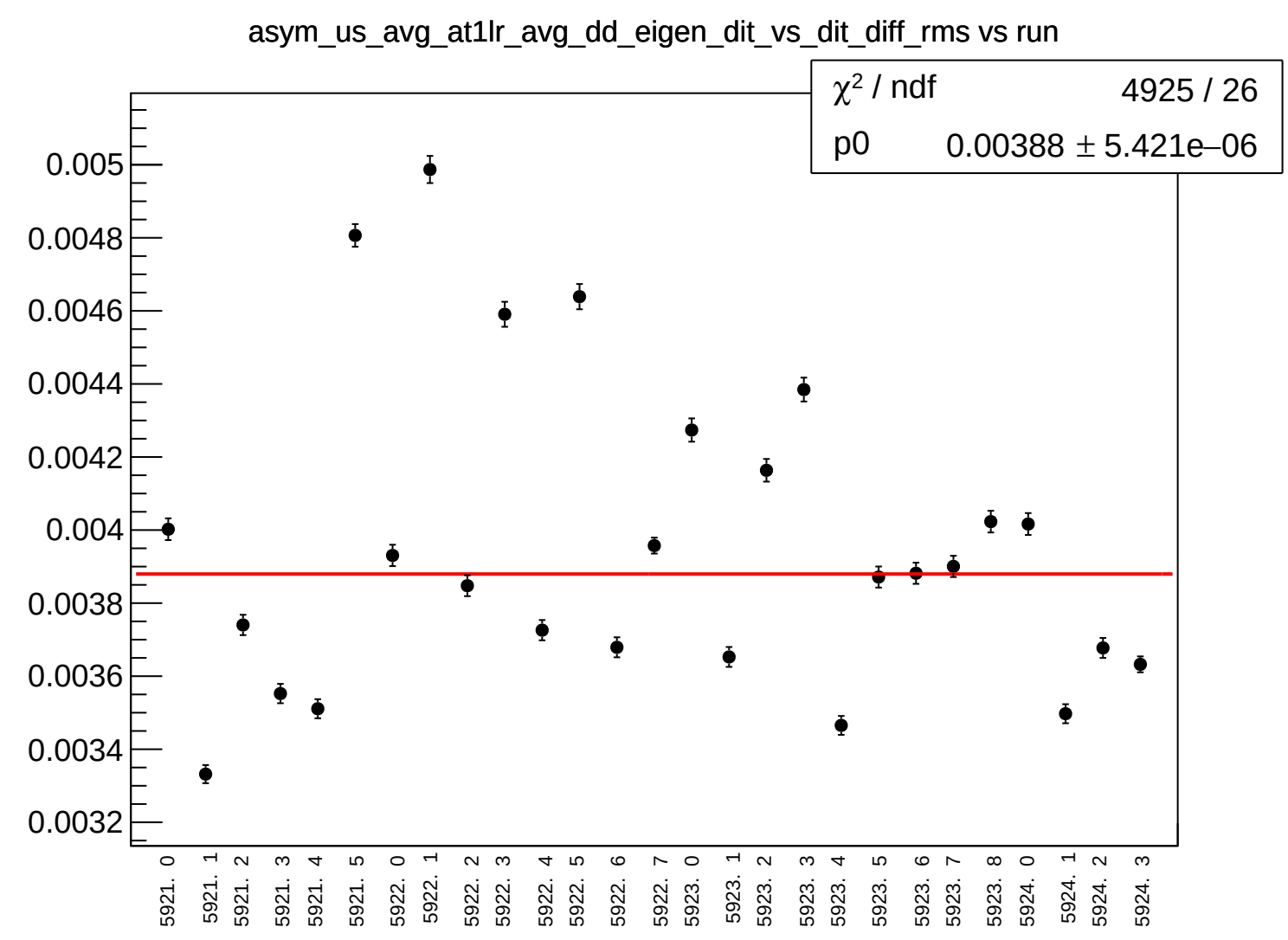

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 17.43 / 26
p0 0.07611 ± 0.09207
3
2
1
0
−1
−2
−3
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 11.89
Std Dev 8.811
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.04443
Std Dev 0.8023
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.407e+05 / 26
p0 39.94 ± 0.0651
200
180
160
140
120
100
80
60
40
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

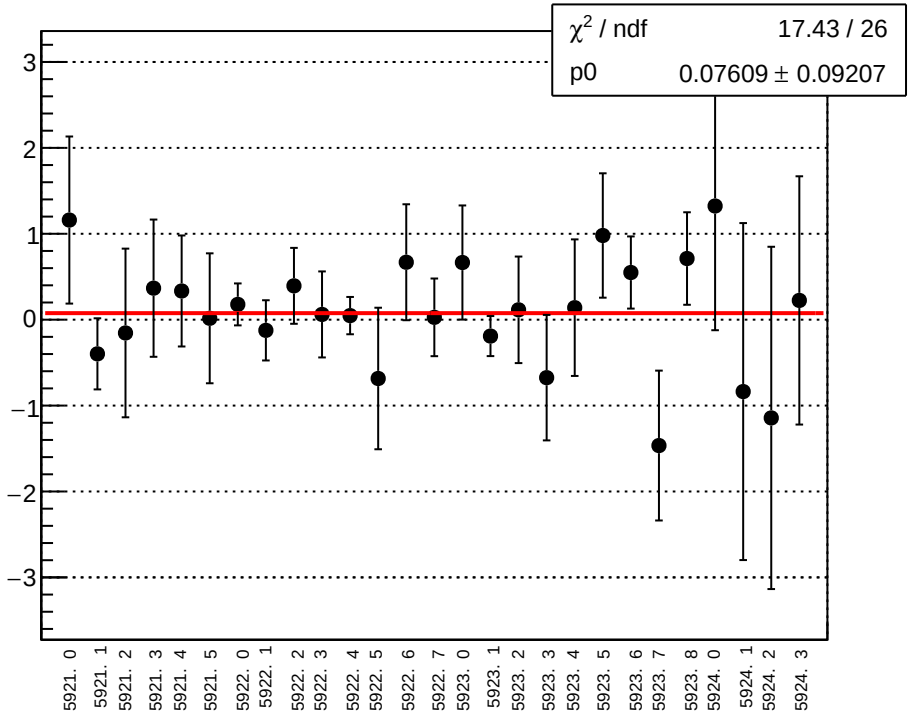

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 17.43 / 26
p0 0.07611 ± 0.09207
3
2
1
0
−1
−2
−3
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 11.89
Std Dev 8.811
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.04443
Std Dev 0.8023
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

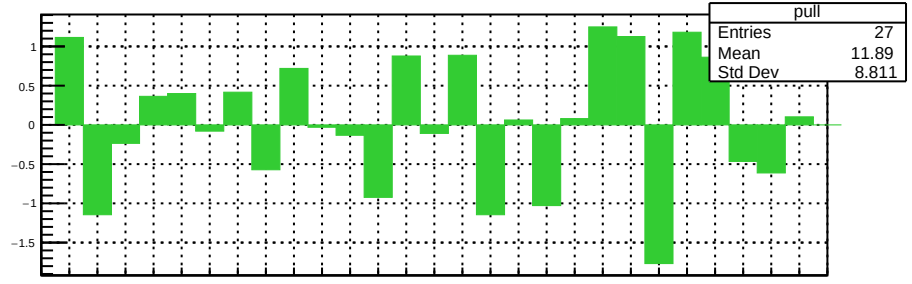

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.407e+05 / 26
p0 39.94 ± 0.0651
200
180
160
140
120
100
80
60
40
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

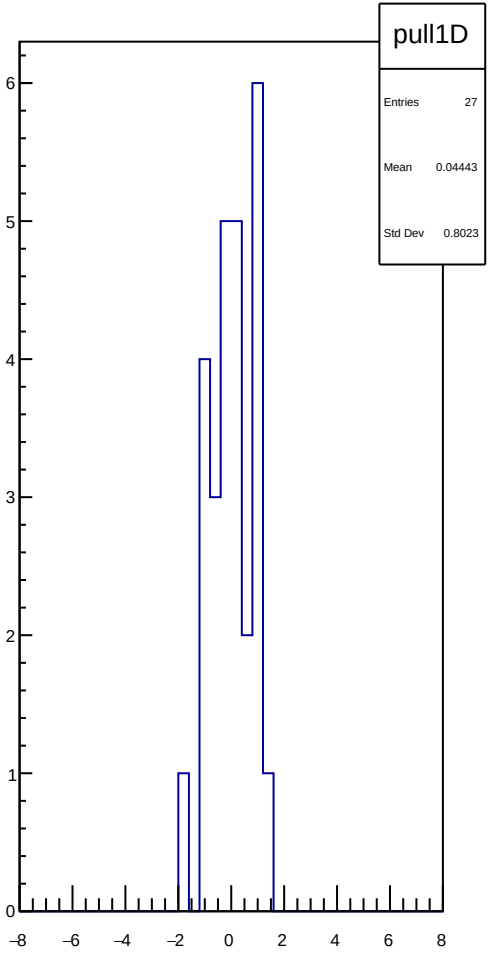

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 27.93 / 26
p0 −5.692e−06 ± 7.666e−06
0.15
0.1
0.05
0
−0.05
−0.1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 82.2
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.01602
Std Dev 1.017
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

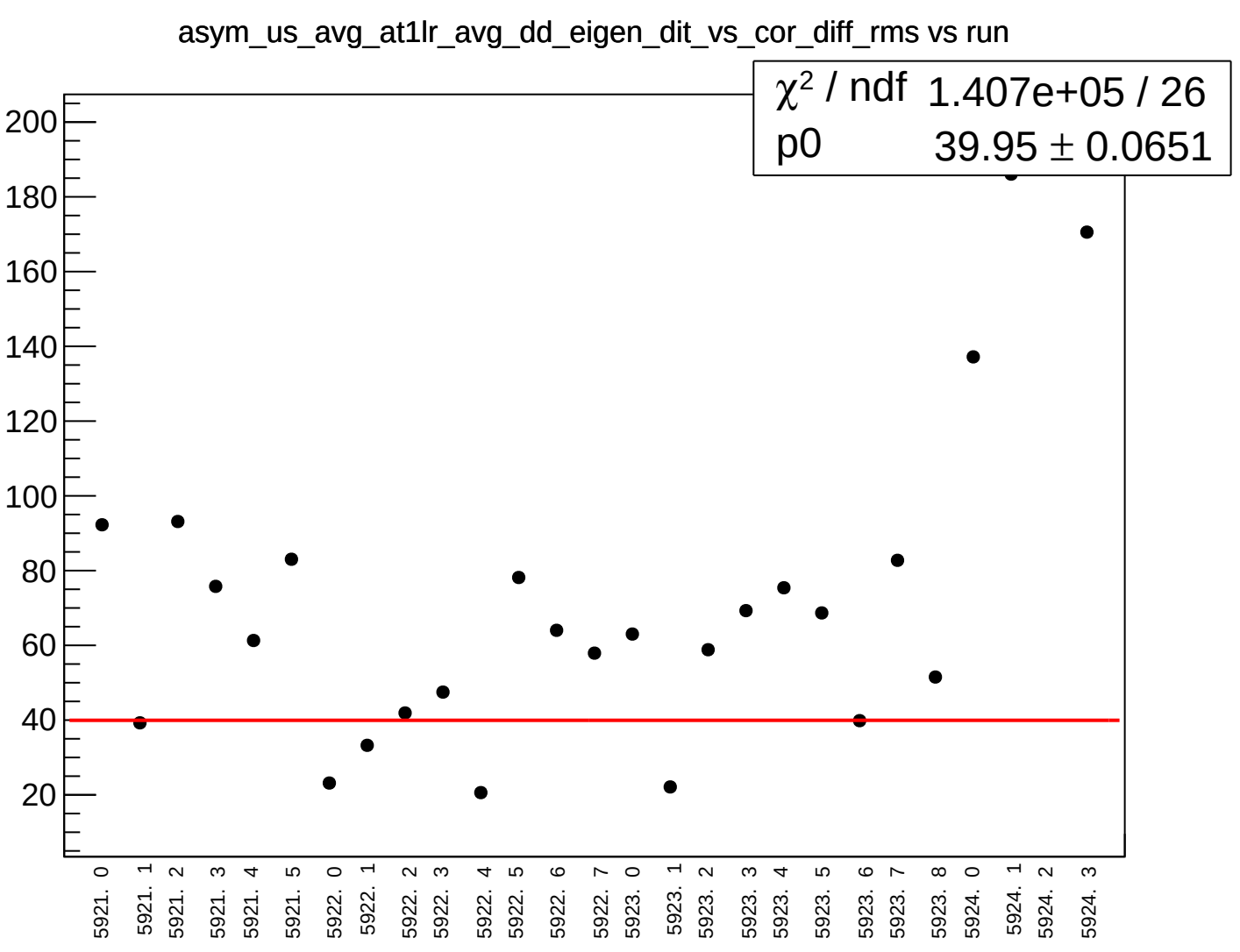

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4925 / 26
p0 0.00388 ± 5.421e−06
0.005
0.0048
0.0046
0.0044
0.0042
0.004
0.0038
0.0036
0.0034
0.0032
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs run

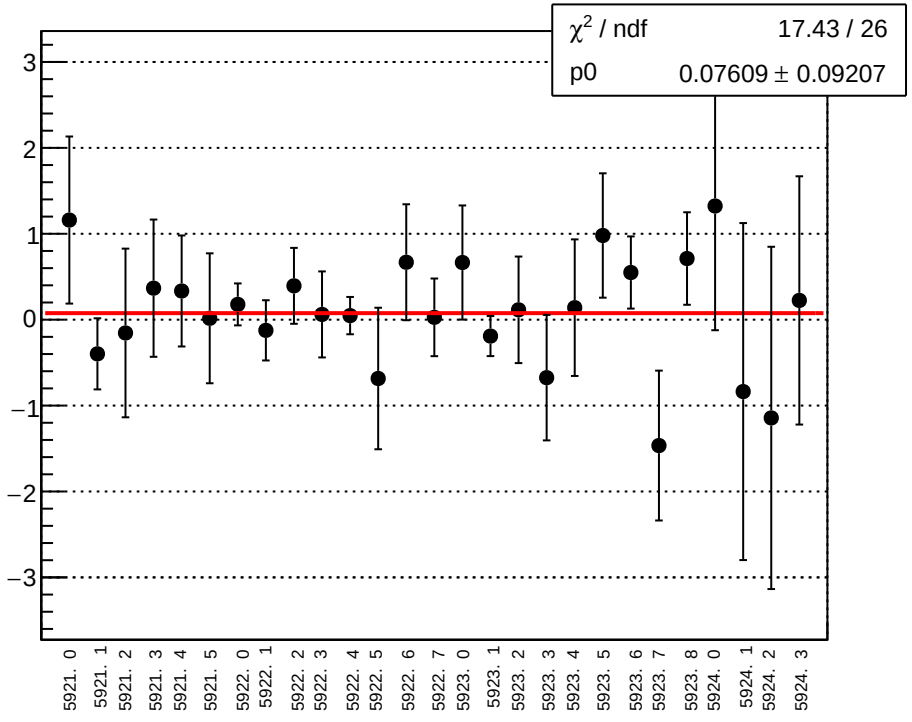


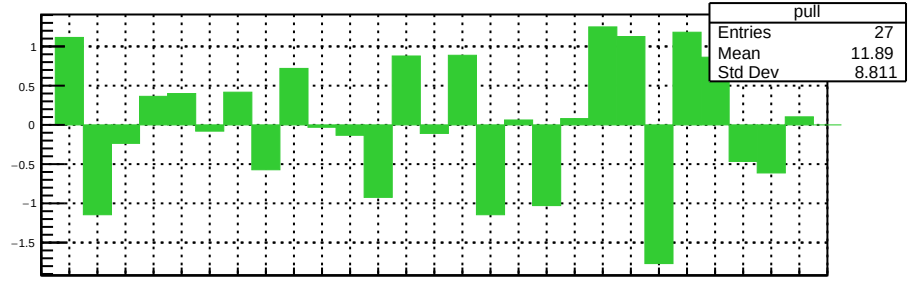


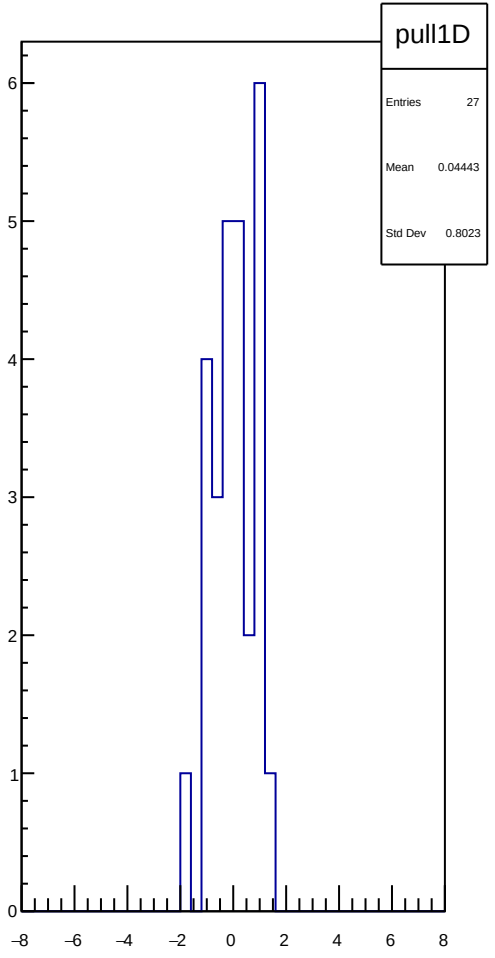


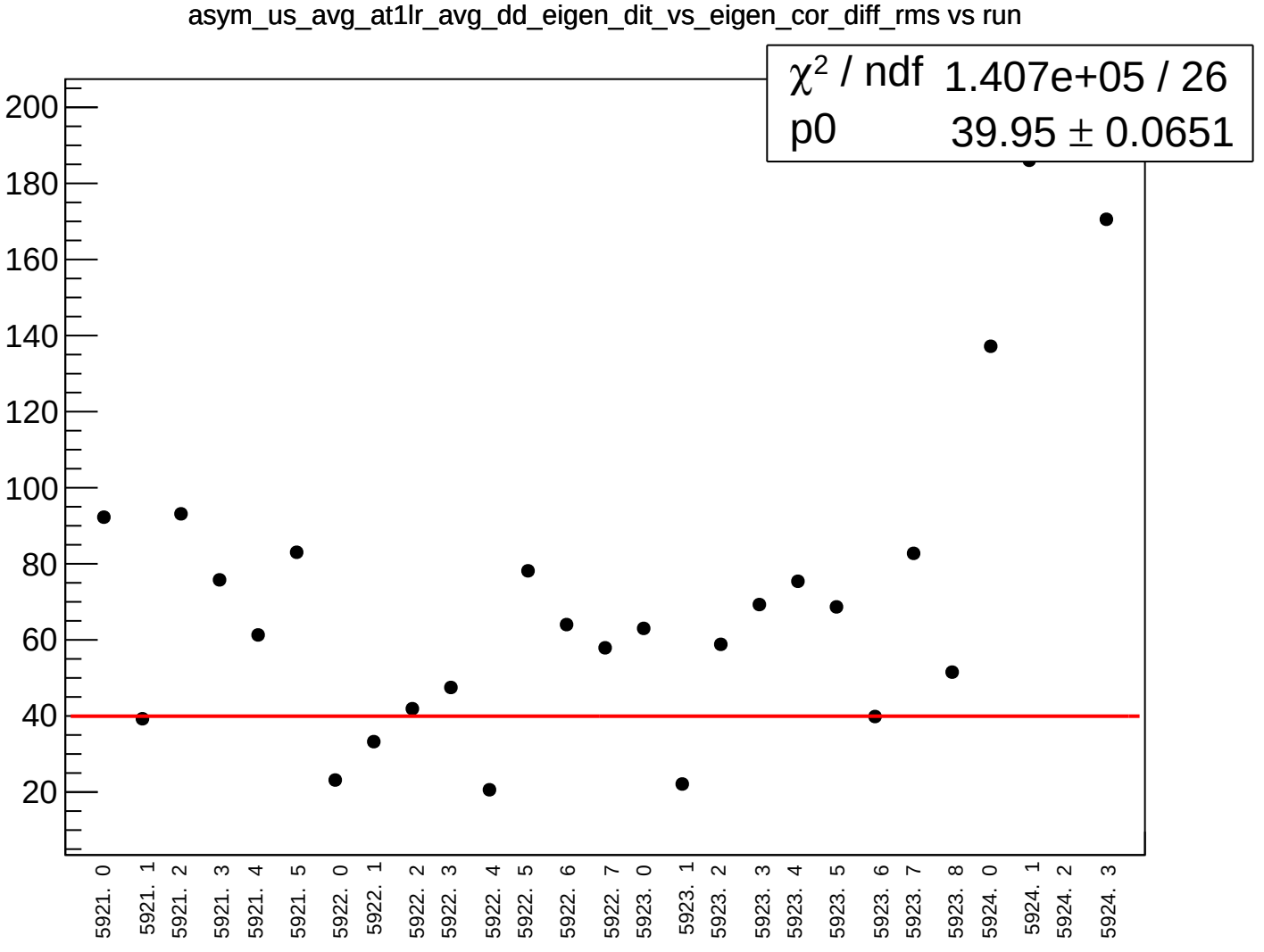

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.407e+05 / 26
p0 39.95 ± 0.0651
200
180
160
140
120
100
80
60
40
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

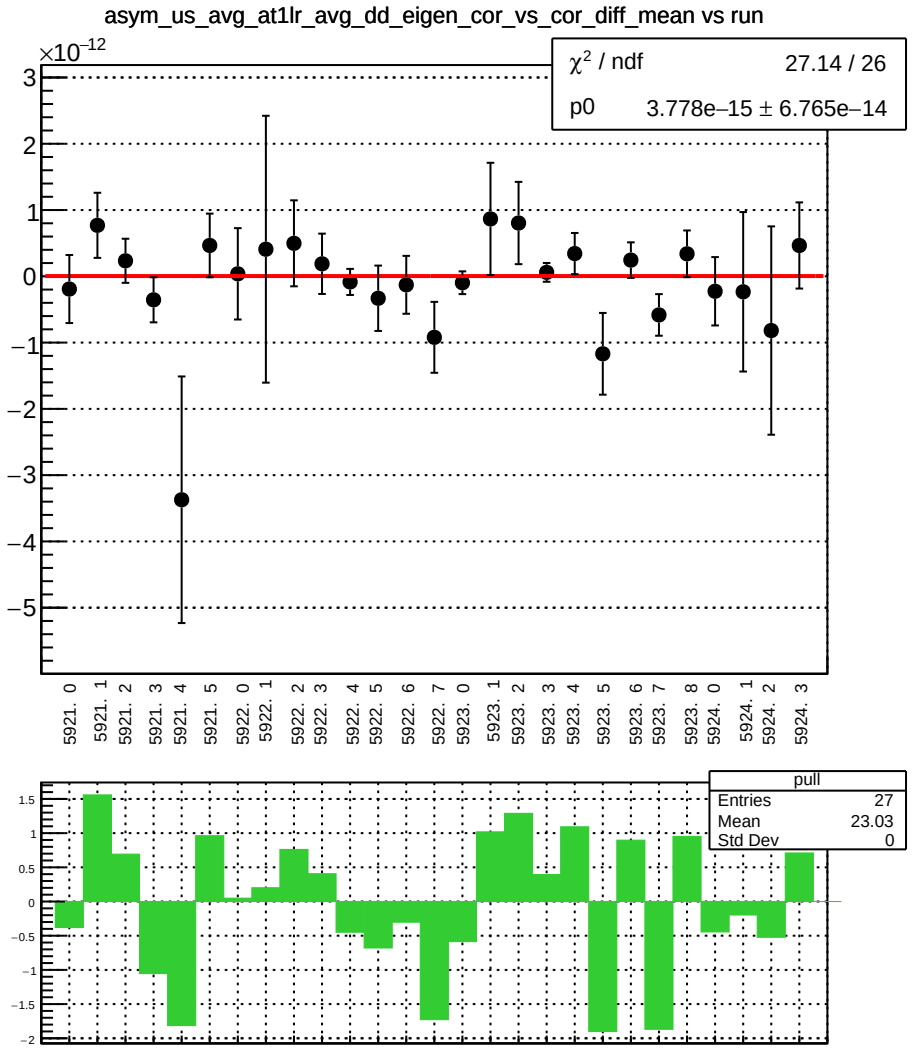
asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

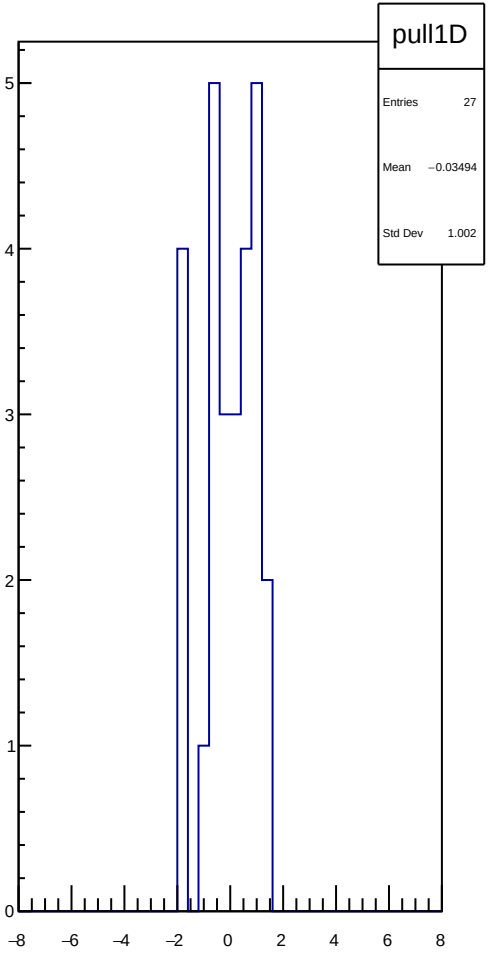


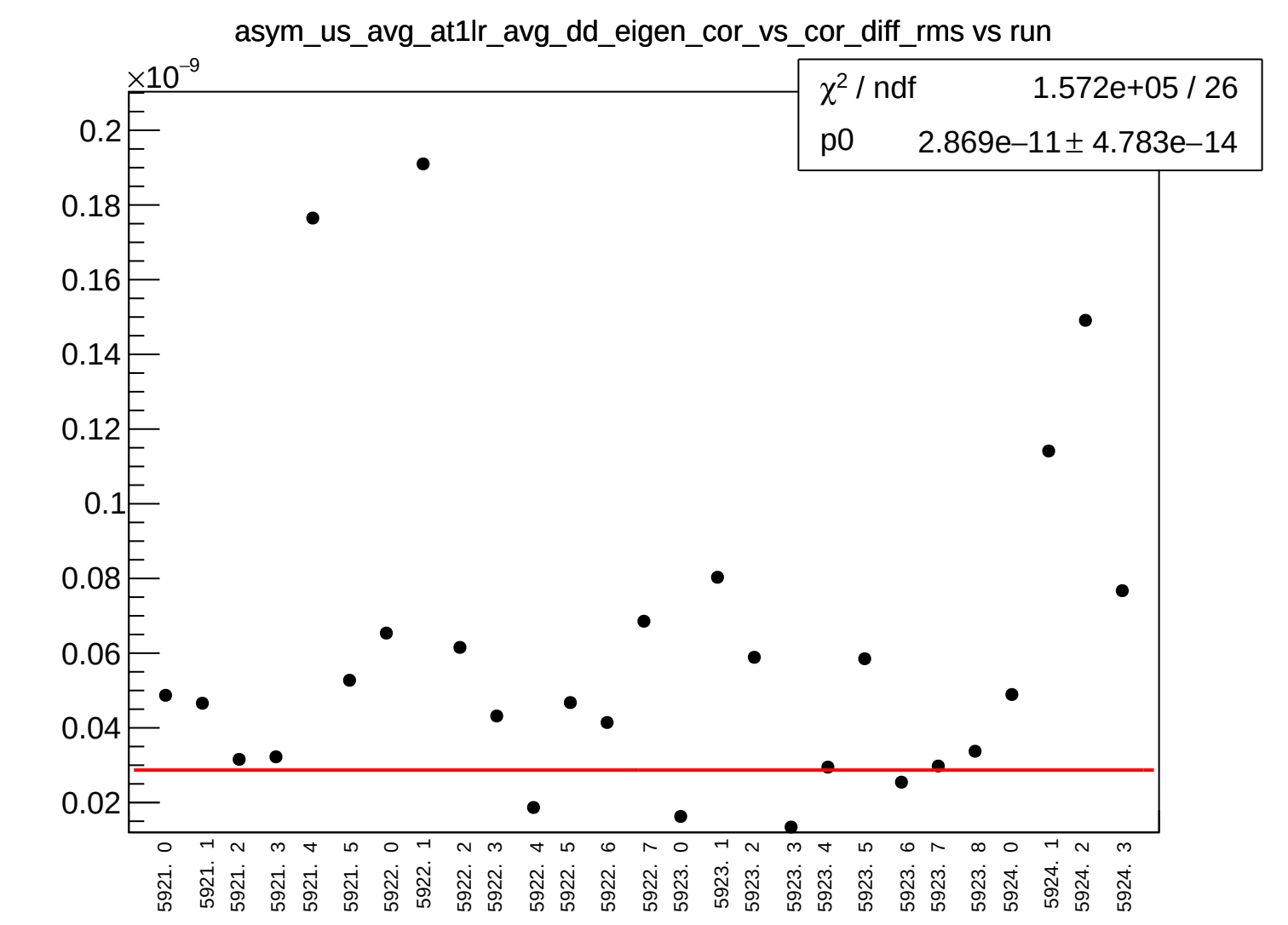


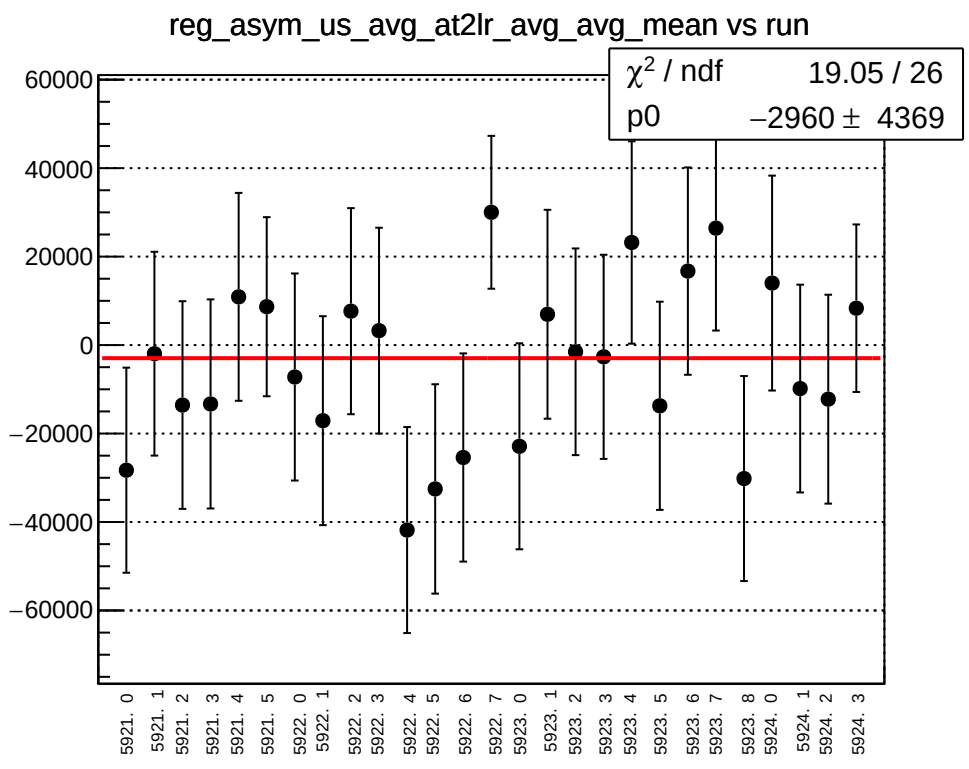


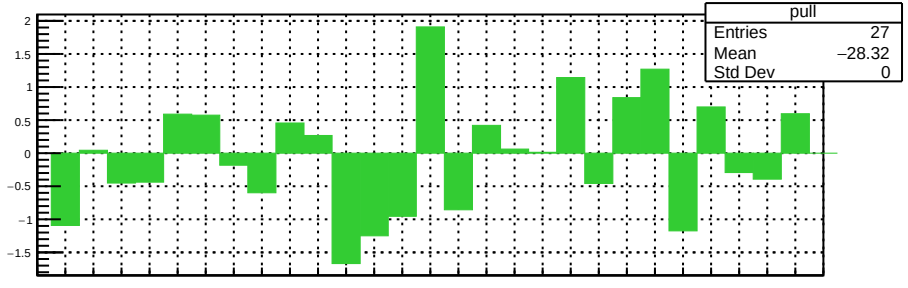

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.407e+05 / 26
p0 39.95 ± 0.0651
200
180
160
140
120
100
80
60
40
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

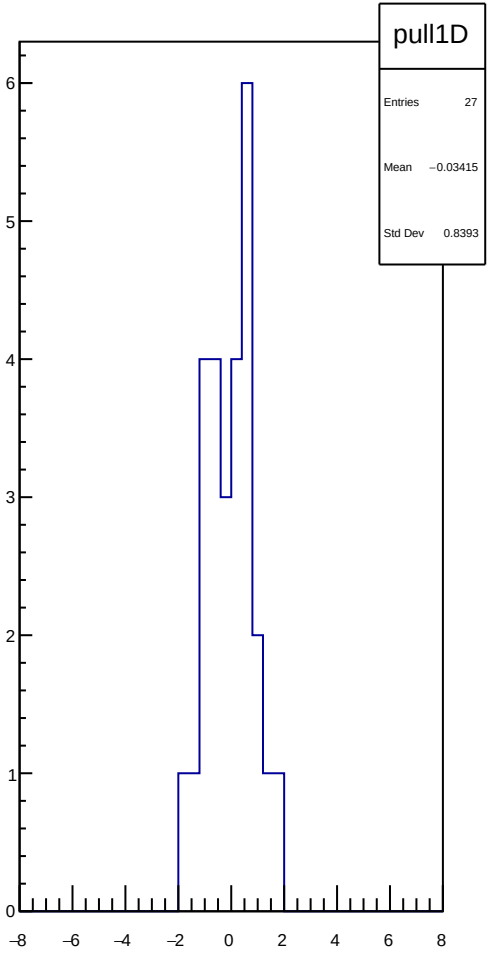

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 27.14 / 26
p0 3.778e−15 ± 6.765e−14
3
2
1
0
−1
−2
−3
−4
−5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 23.03
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

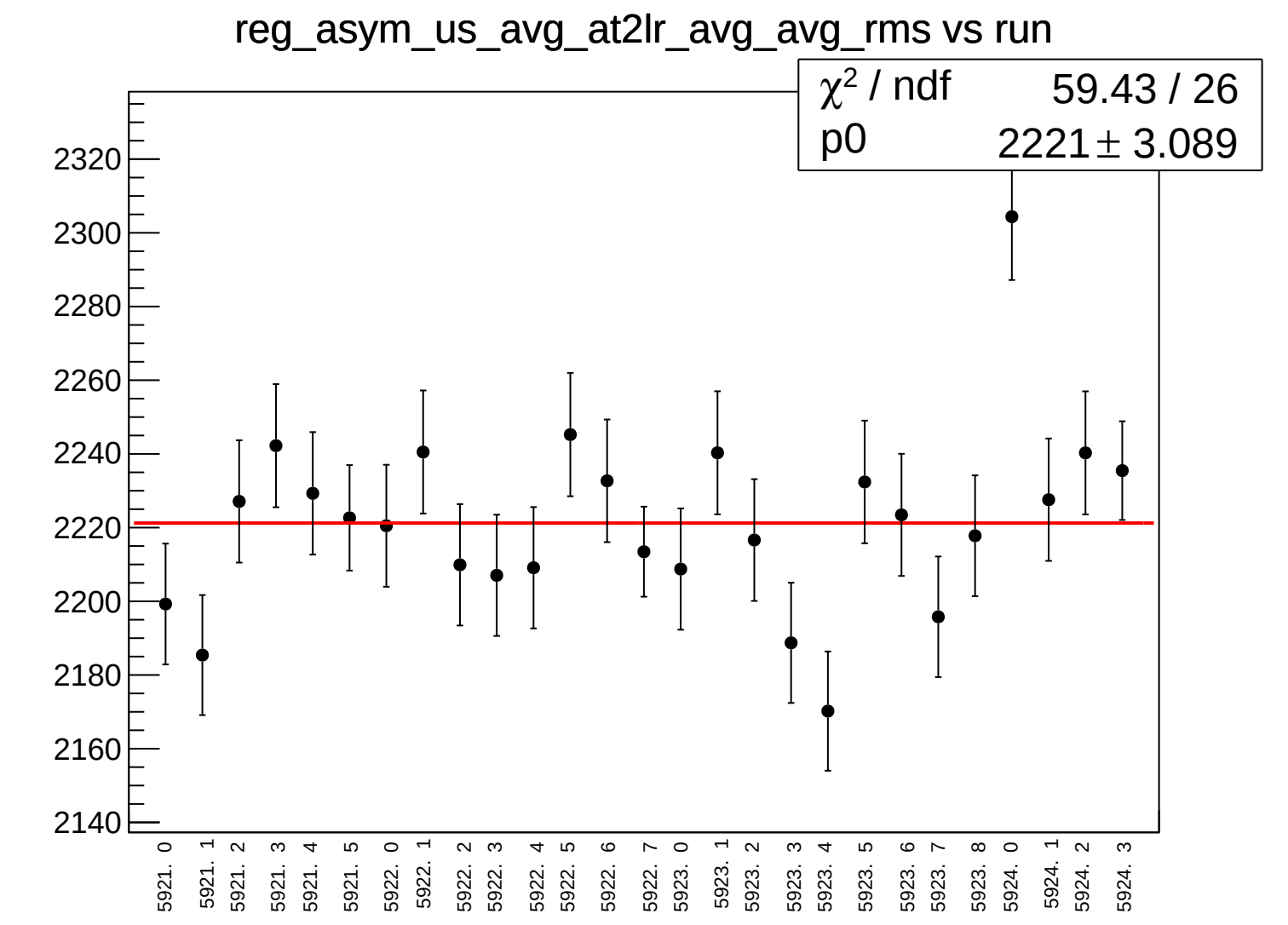

pull1D
Entries 27
Mean −0.03494
Std Dev 1.002
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

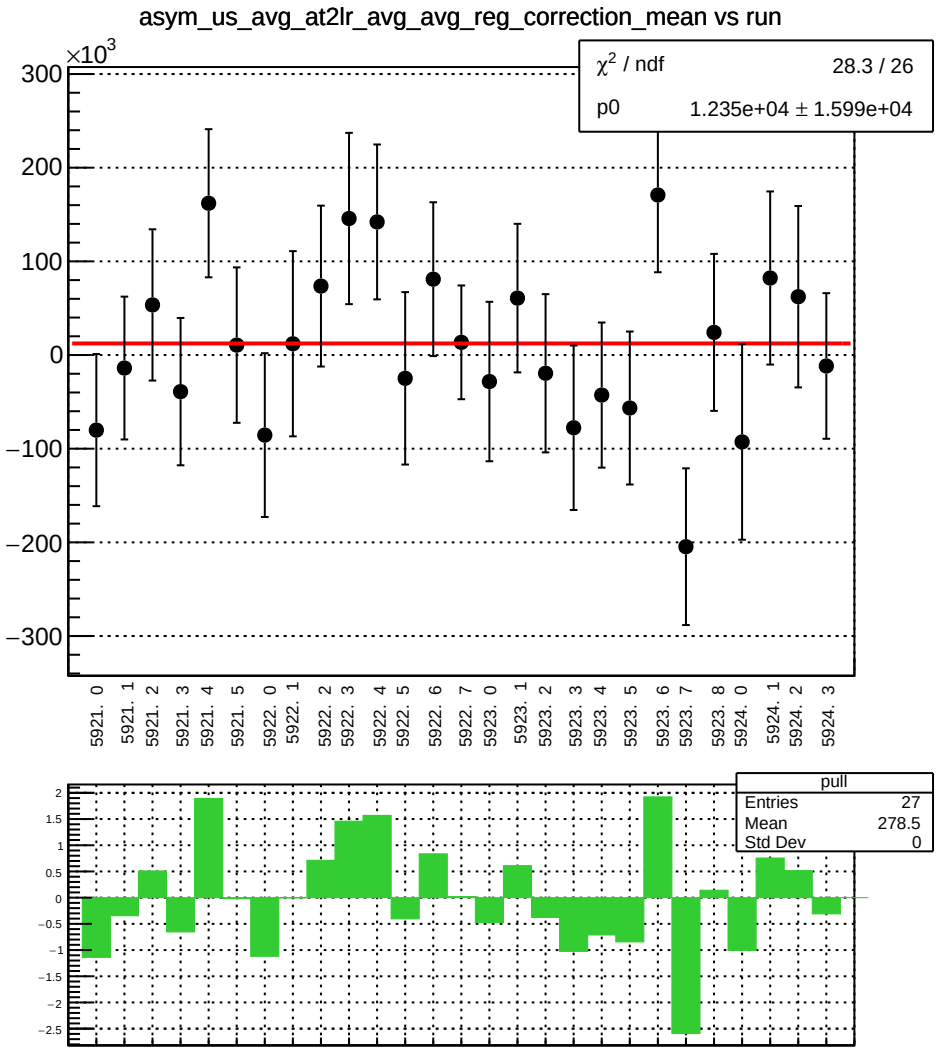

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.572e+05 / 26
p0 2.869e−11 ± 4.783e−14
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

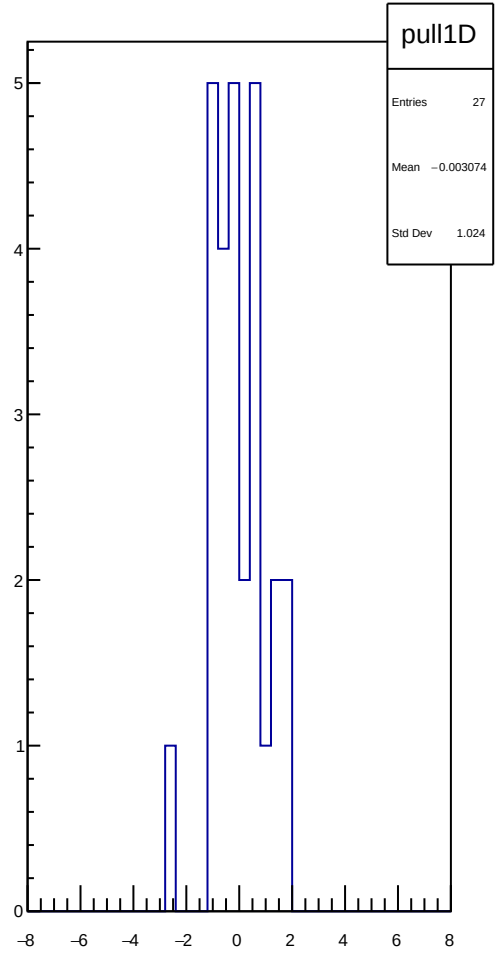

reg_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 19.05 / 26
p0 −2960 ± 4369
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

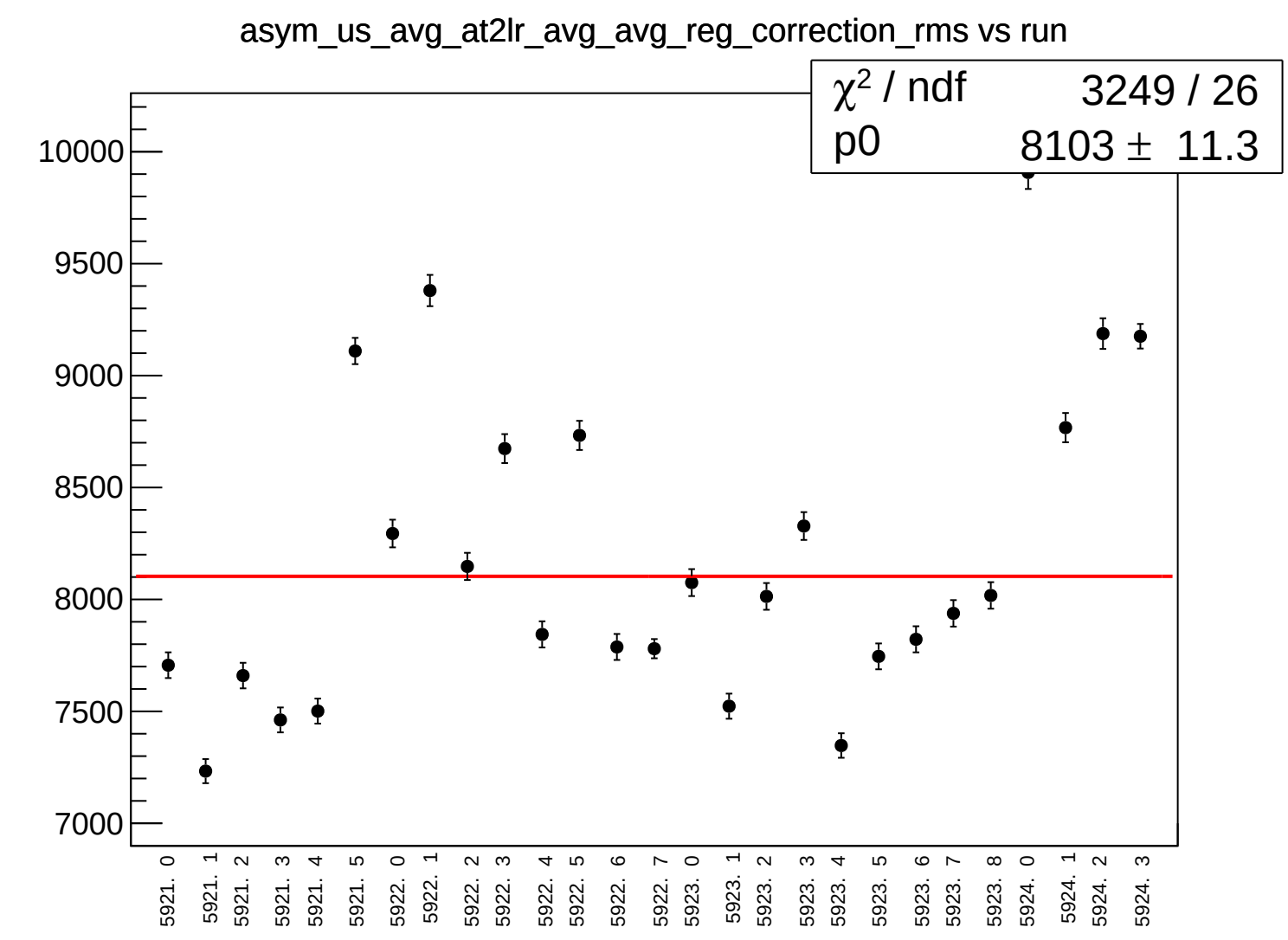

pull
Entries 27
Mean −28.32
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

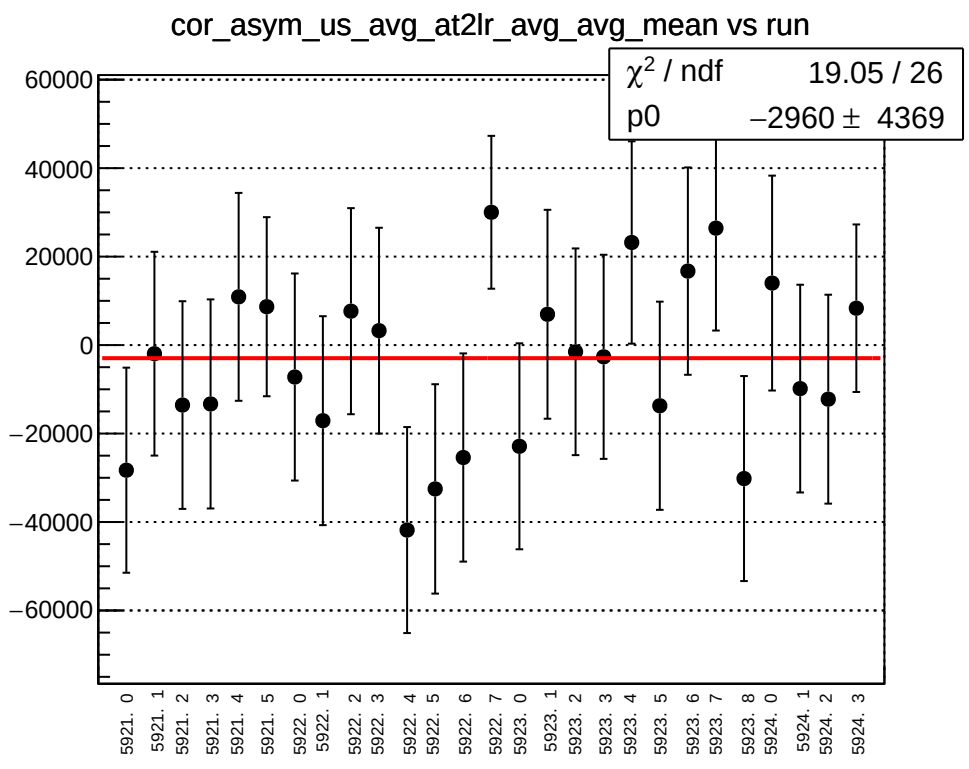

pull1D
Entries 27
Mean −0.03415
Std Dev 0.8393
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

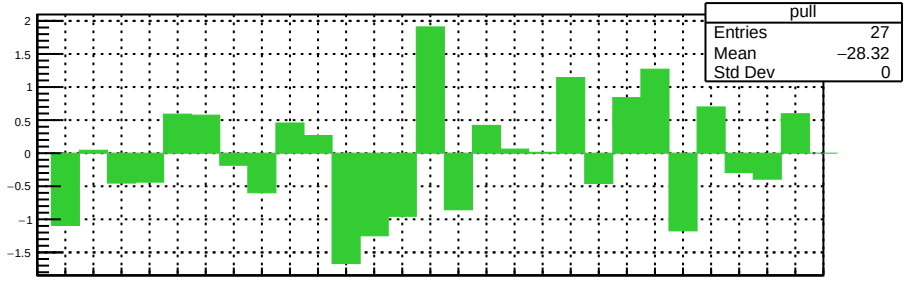

reg_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 59.43 / 26
p0 2221 ± 3.089
2320
2300
2280
2260
2240
2220
2200
2180
2160
2140
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

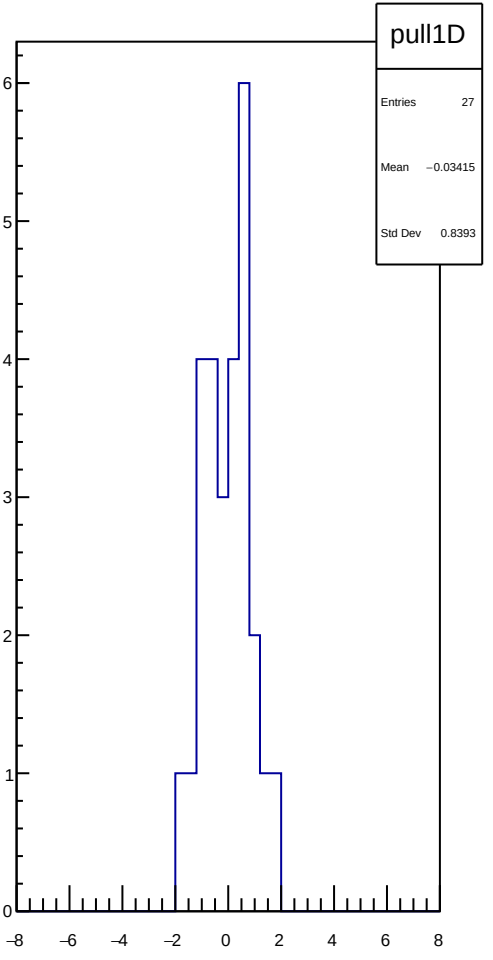

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 28.3 / 26
p0 1.235e+04 ± 1.599e+04
pull
Entries 27
Mean 278.5
Std Dev 0

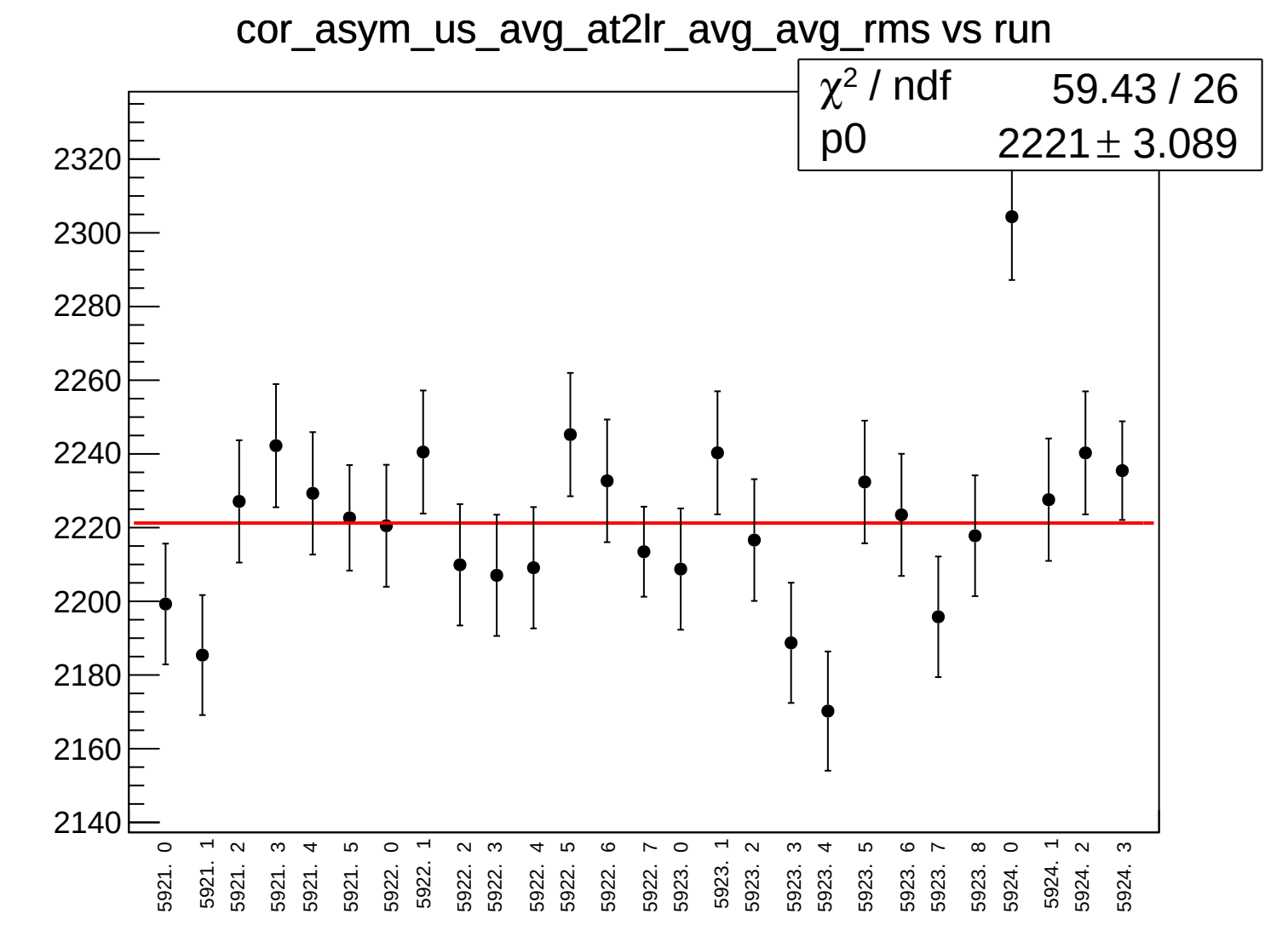

pull1D
Entries 27
Mean −0.003074
Std Dev 1.024

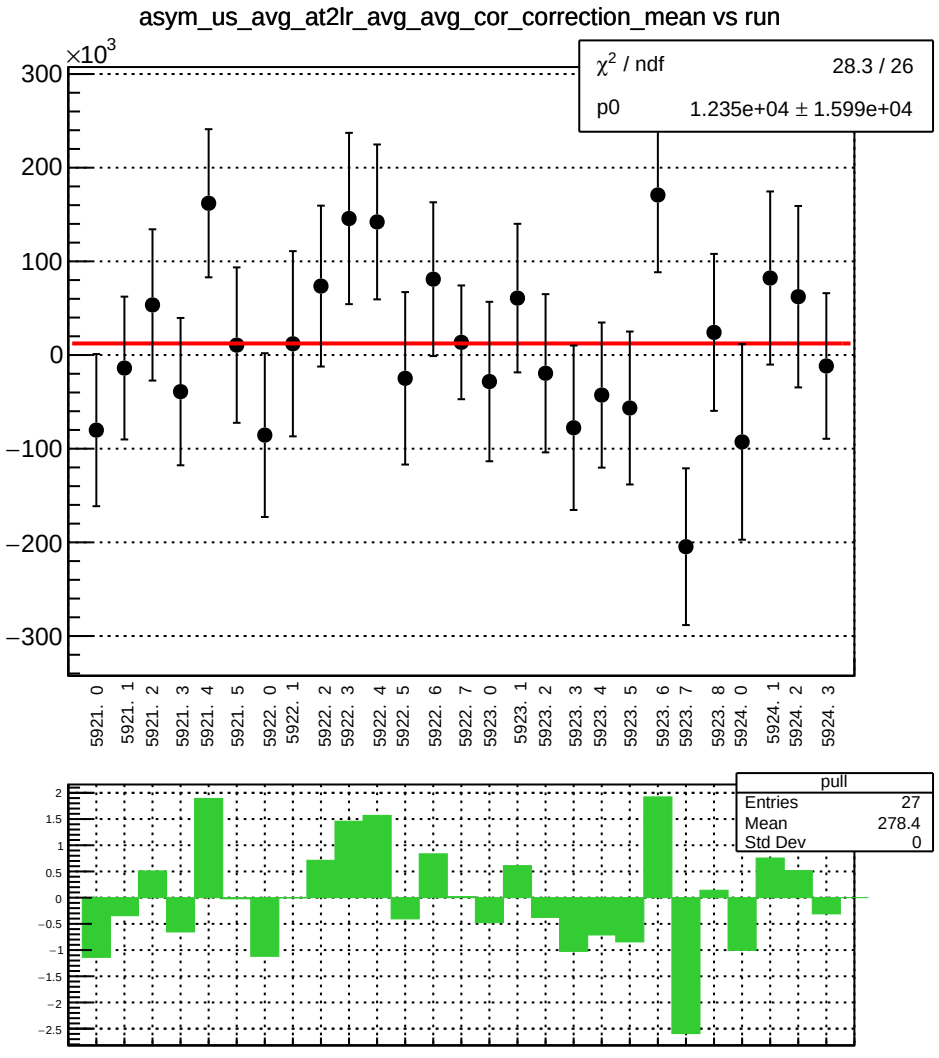

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs run
χ² / ndf 3249 / 26
p0 8103 ± 11.3
10000
9500
9000
8500
8000
7500
7000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

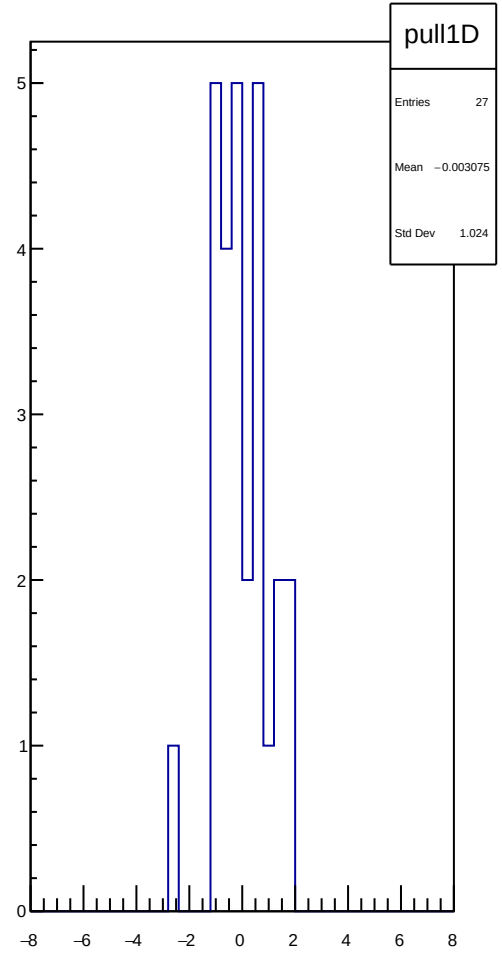

cor_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 19.05 / 26
p0 −2960 ± 4369
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

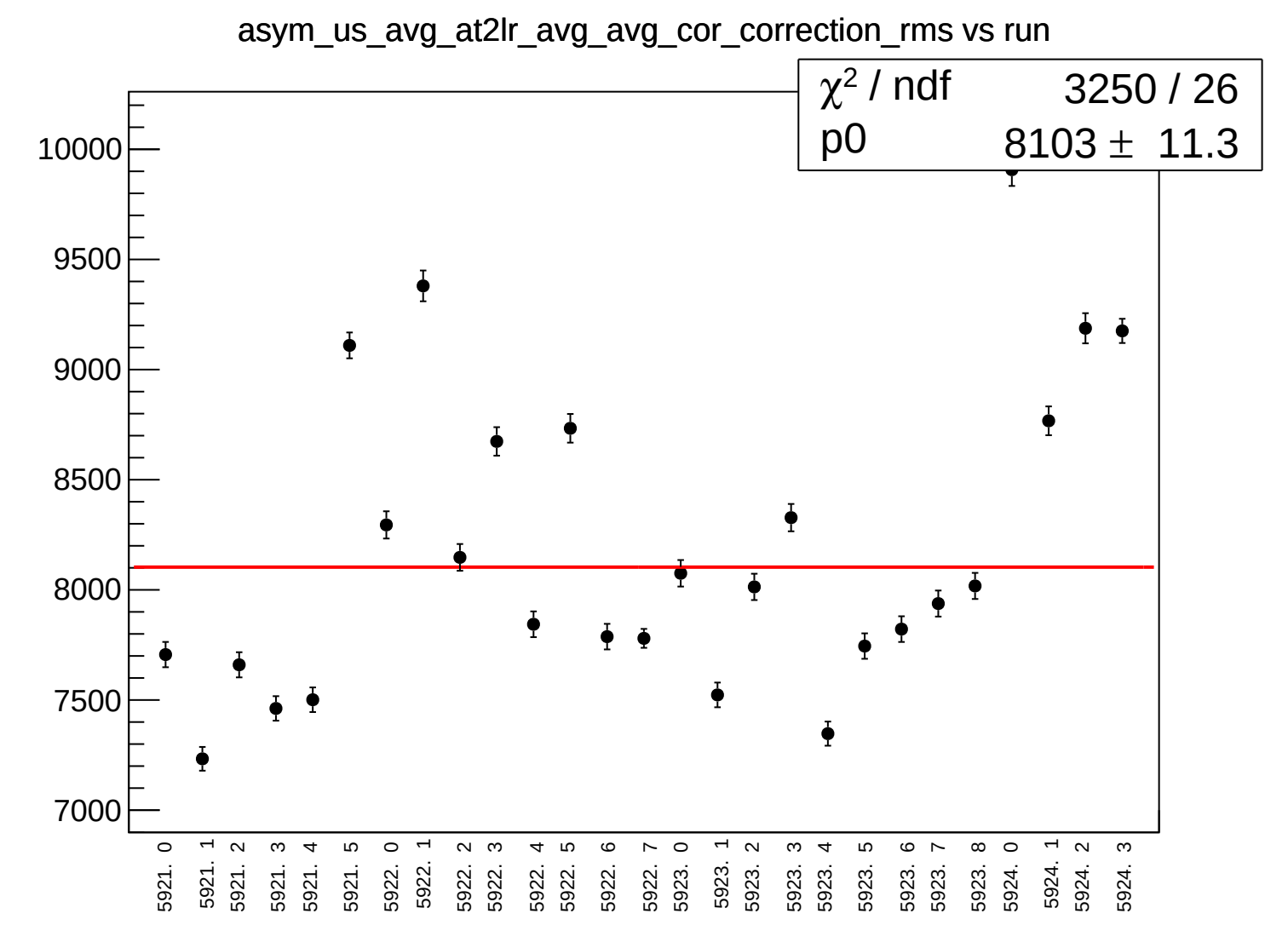

pull
Entries 27
Mean −28.32
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

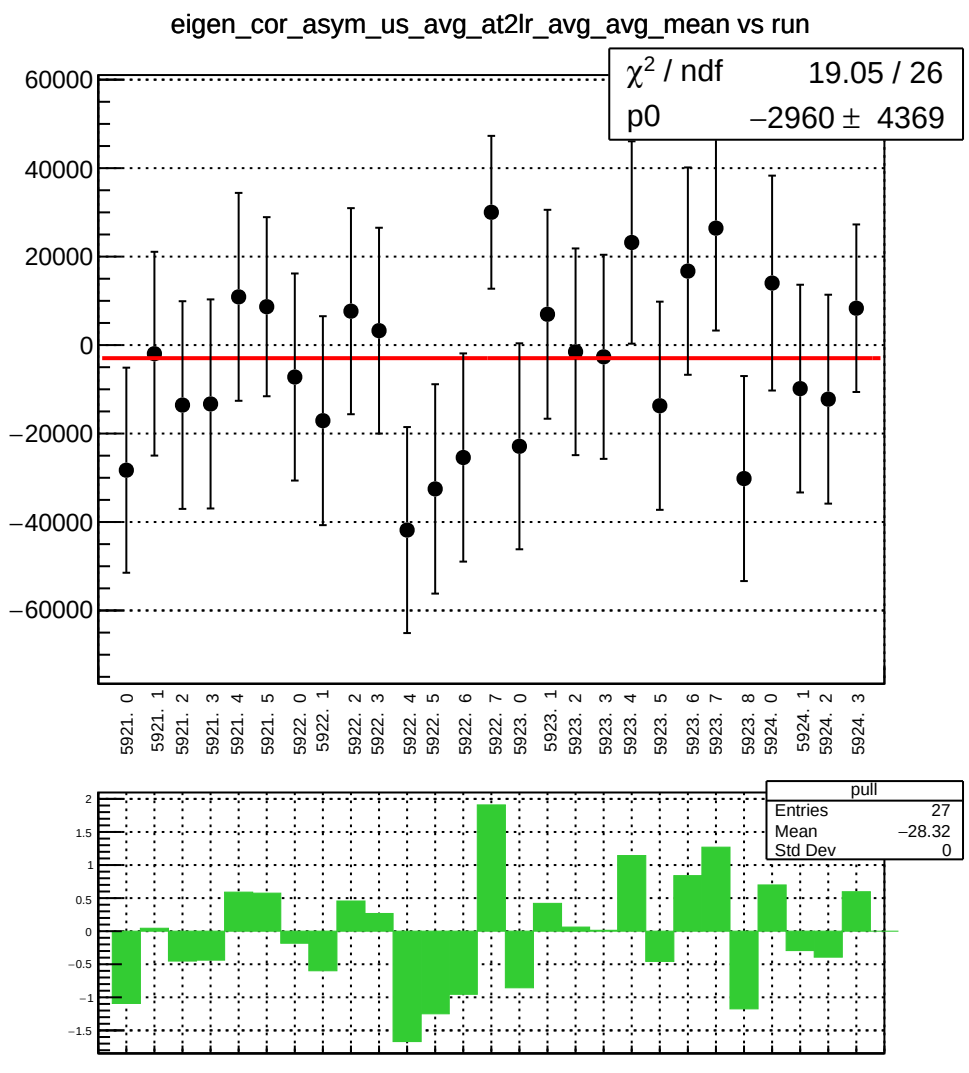

pull1D
Entries 27
Mean −0.03415
Std Dev 0.8393
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

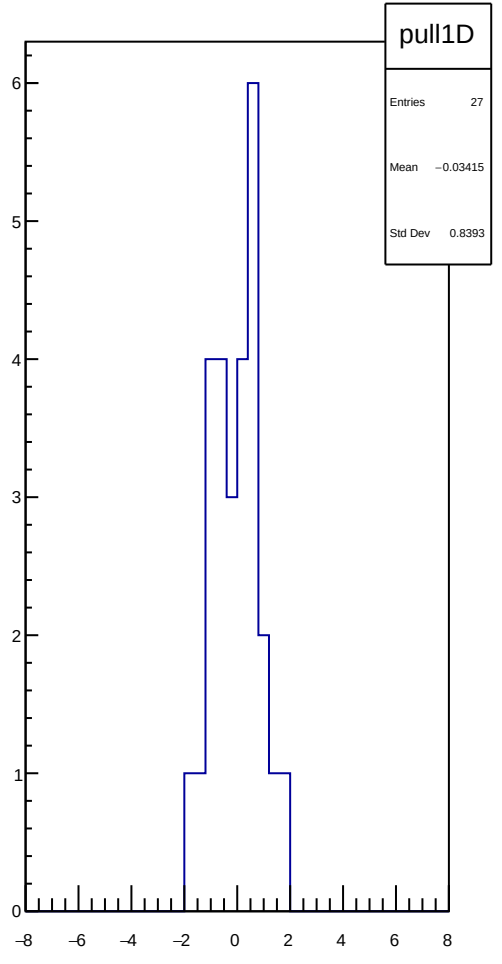

cor_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 59.43 / 26
p0 2221 ± 3.089
2320
2300
2280
2260
2240
2220
2200
2180
2160
2140
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

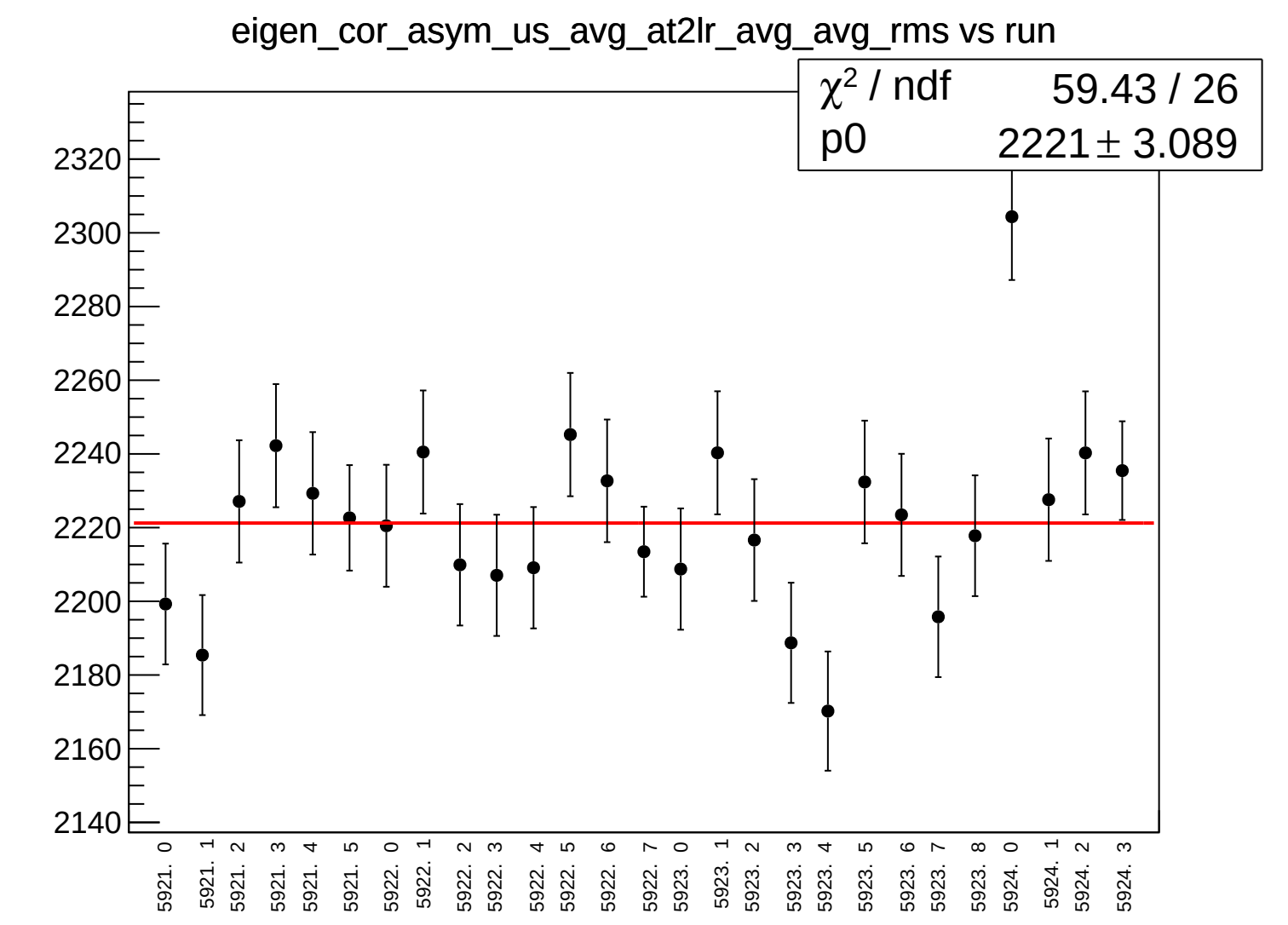

asym_us_avg_at2lr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 28.3 / 26
p0 1.235e+04 ± 1.599e+04
pull
Entries 27
Mean 278.4
Std Dev 0

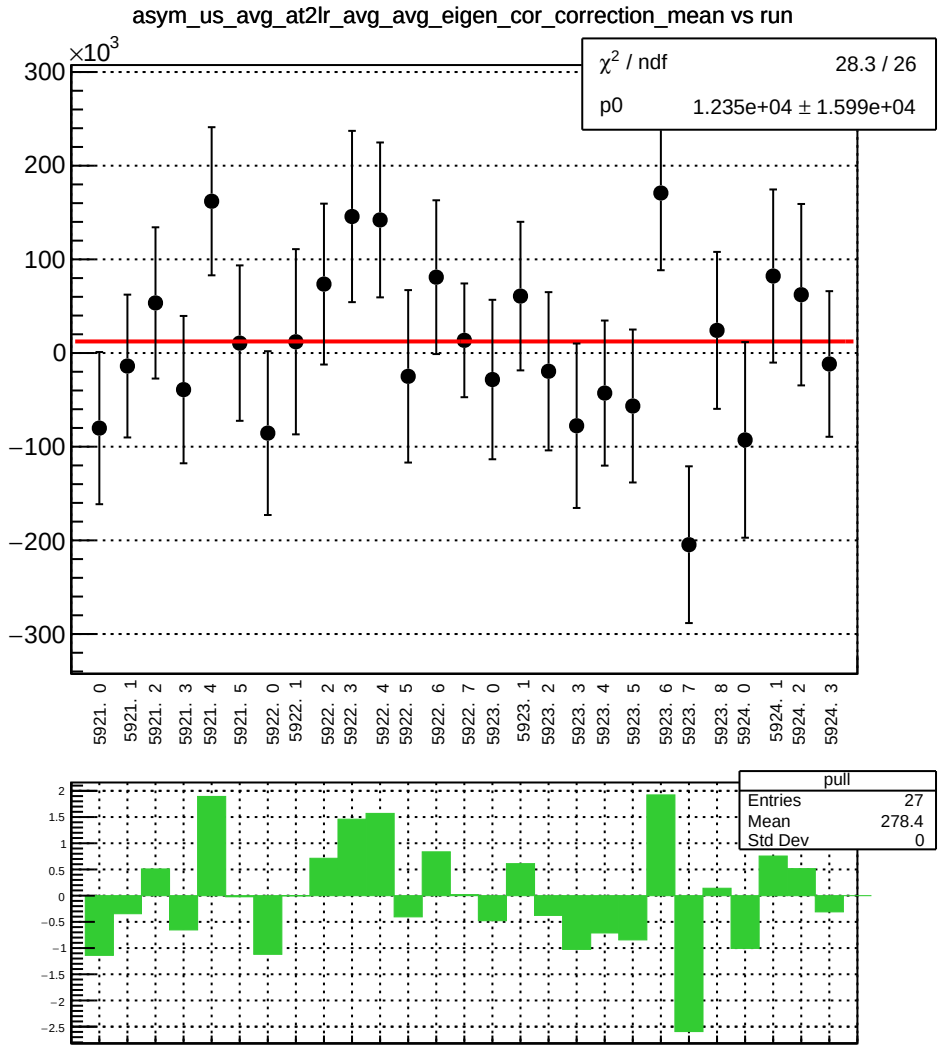

pull1D
Entries 27
Mean −0.003075
Std Dev 1.024

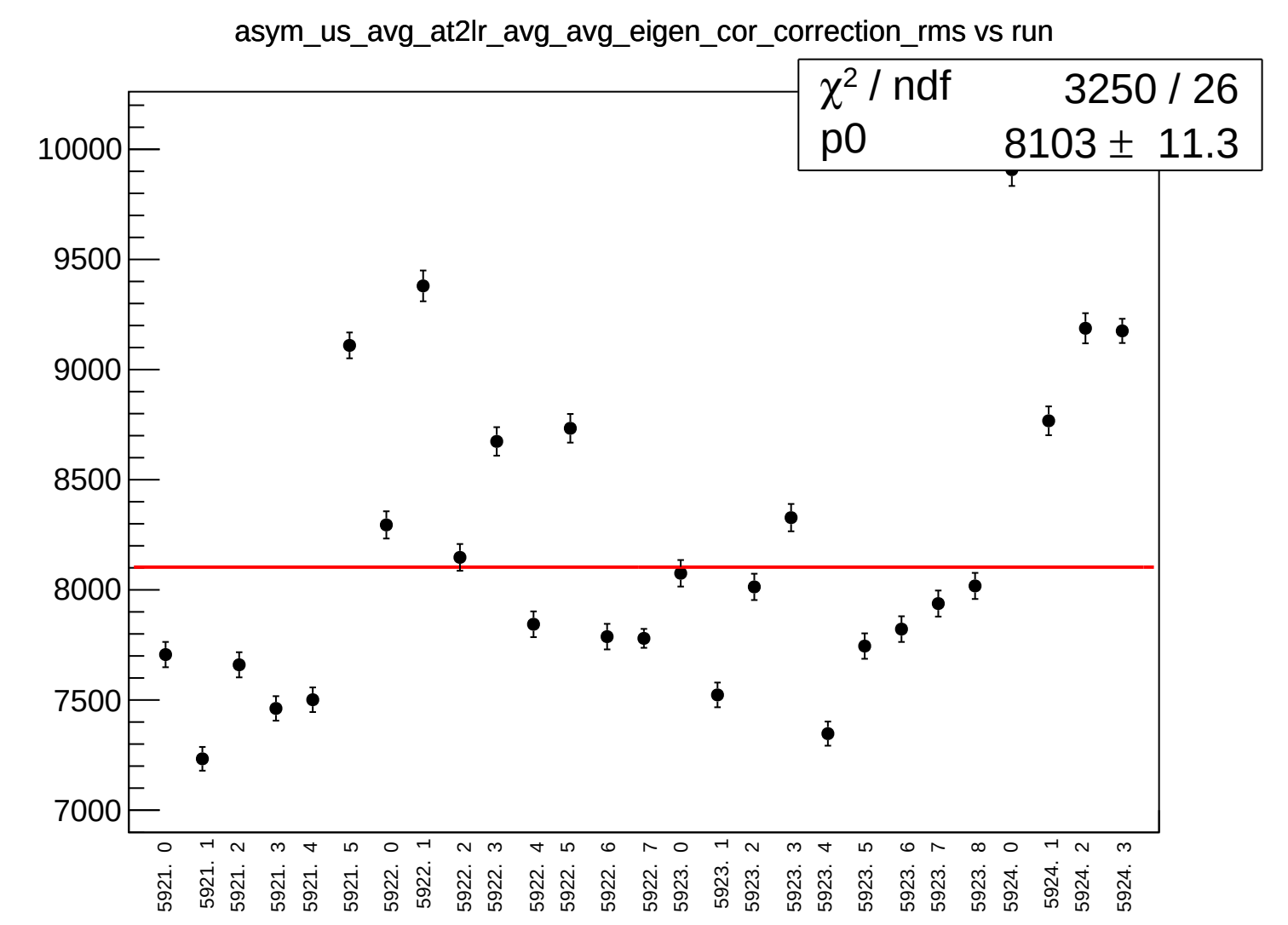

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs run
χ² / ndf 3250 / 26
p0 8103 ± 11.3
10000
9500
9000
8500
8000
7500
7000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

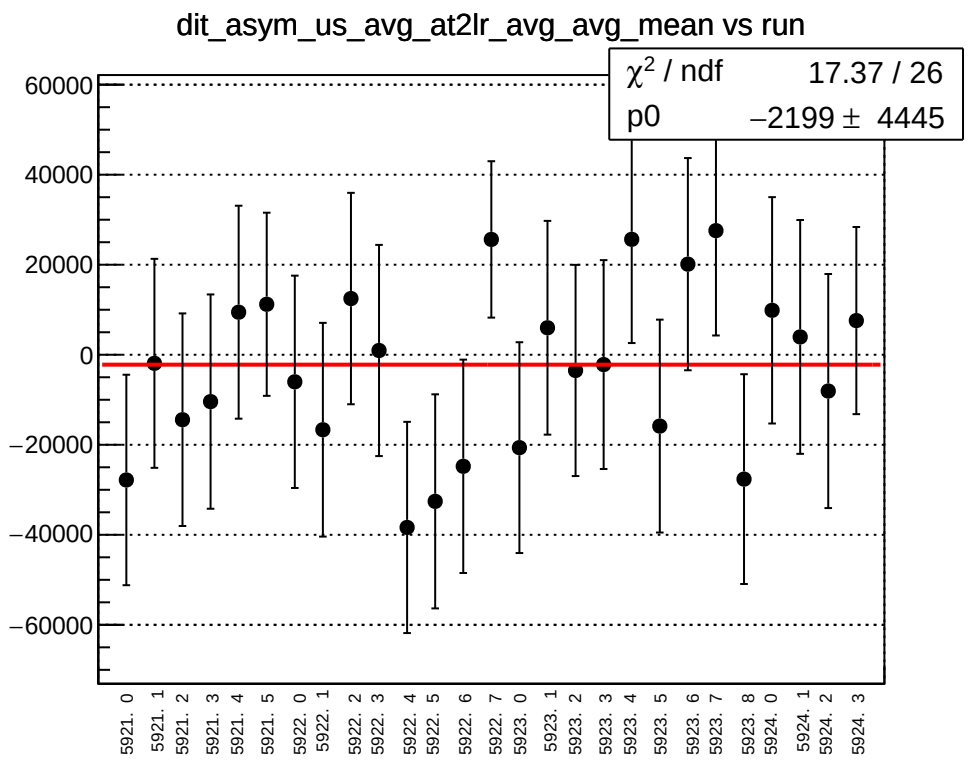

eigen_cor_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 19.05 / 26
p0 −2960 ± 4369
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −28.32
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

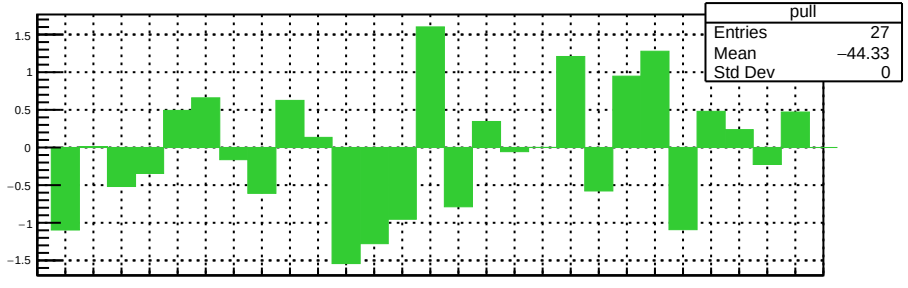

pull1D
Entries 27
Mean −0.03415
Std Dev 0.8393
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

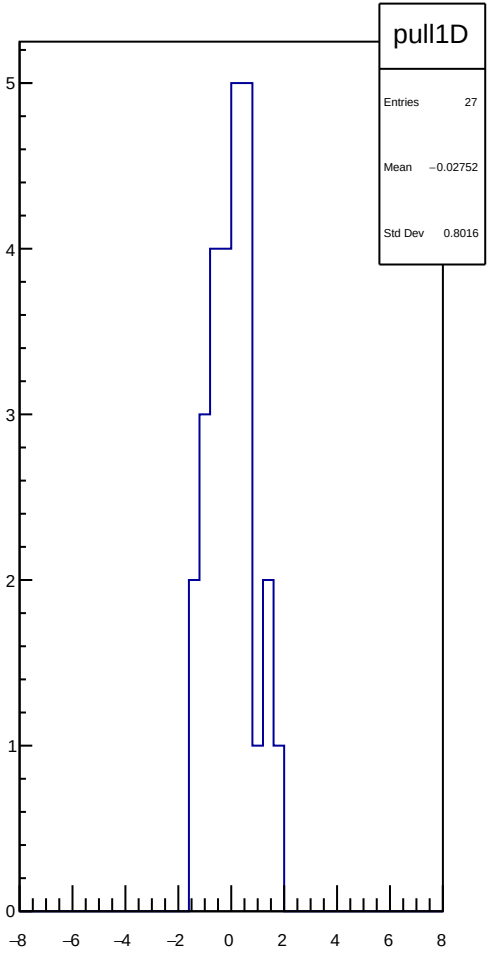

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 59.43 / 26
p0 2221 ± 3.089
2320
2300
2280
2260
2240
2220
2200
2180
2160
2140
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

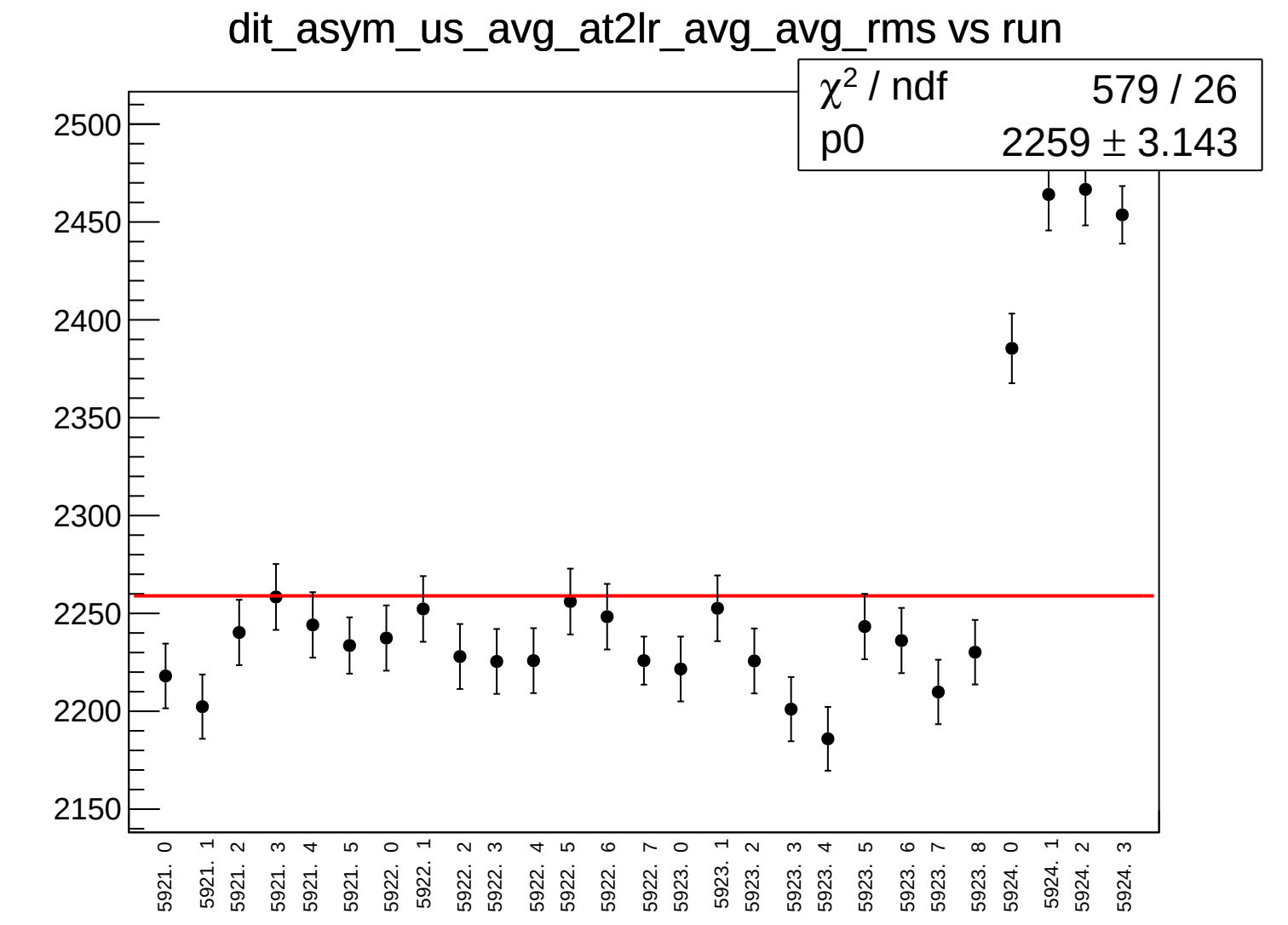

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 28.3 / 26
p0 1.235e+04 ± 1.599e+04
pull
Entries 27
Mean 278.4
Std Dev 0
pull1D
Entries 27
Mean −0.003075
Std Dev 1.024

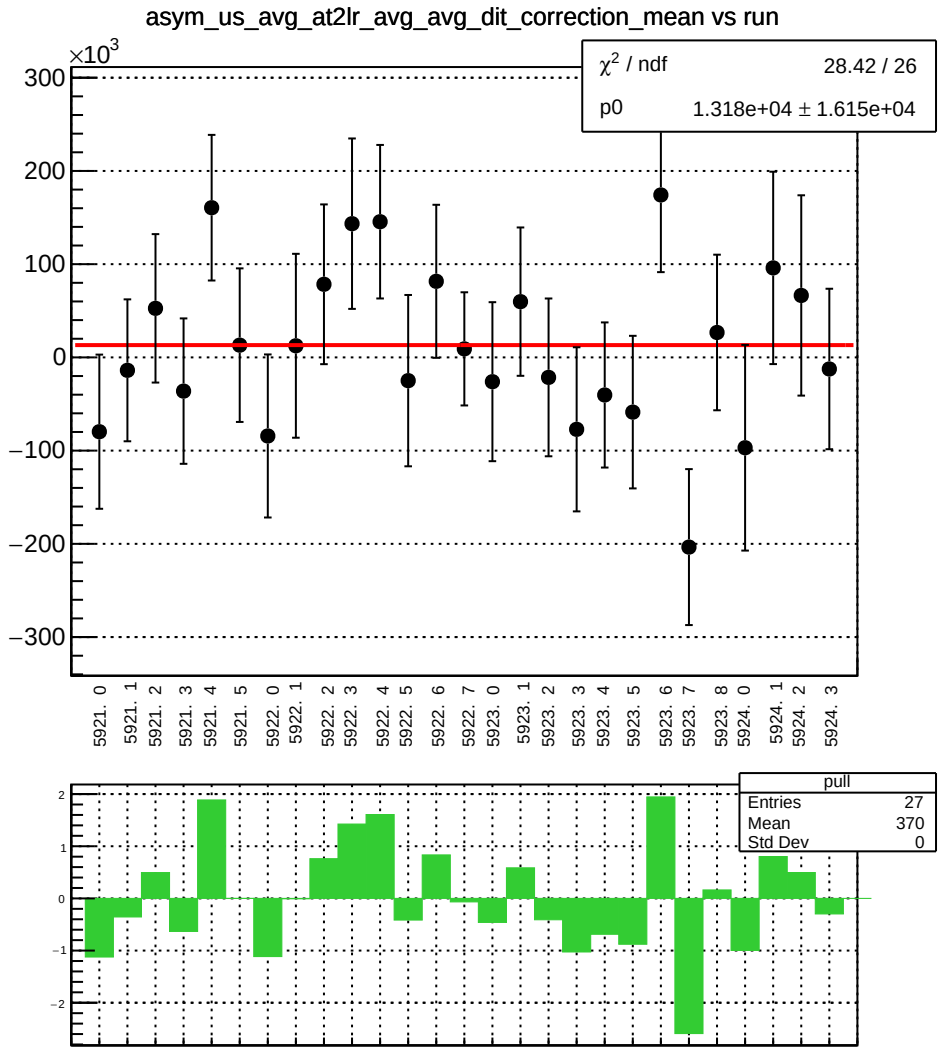

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 3250 / 26
p0 8103 ± 11.3
10000
9500
9000
8500
8000
7500
7000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

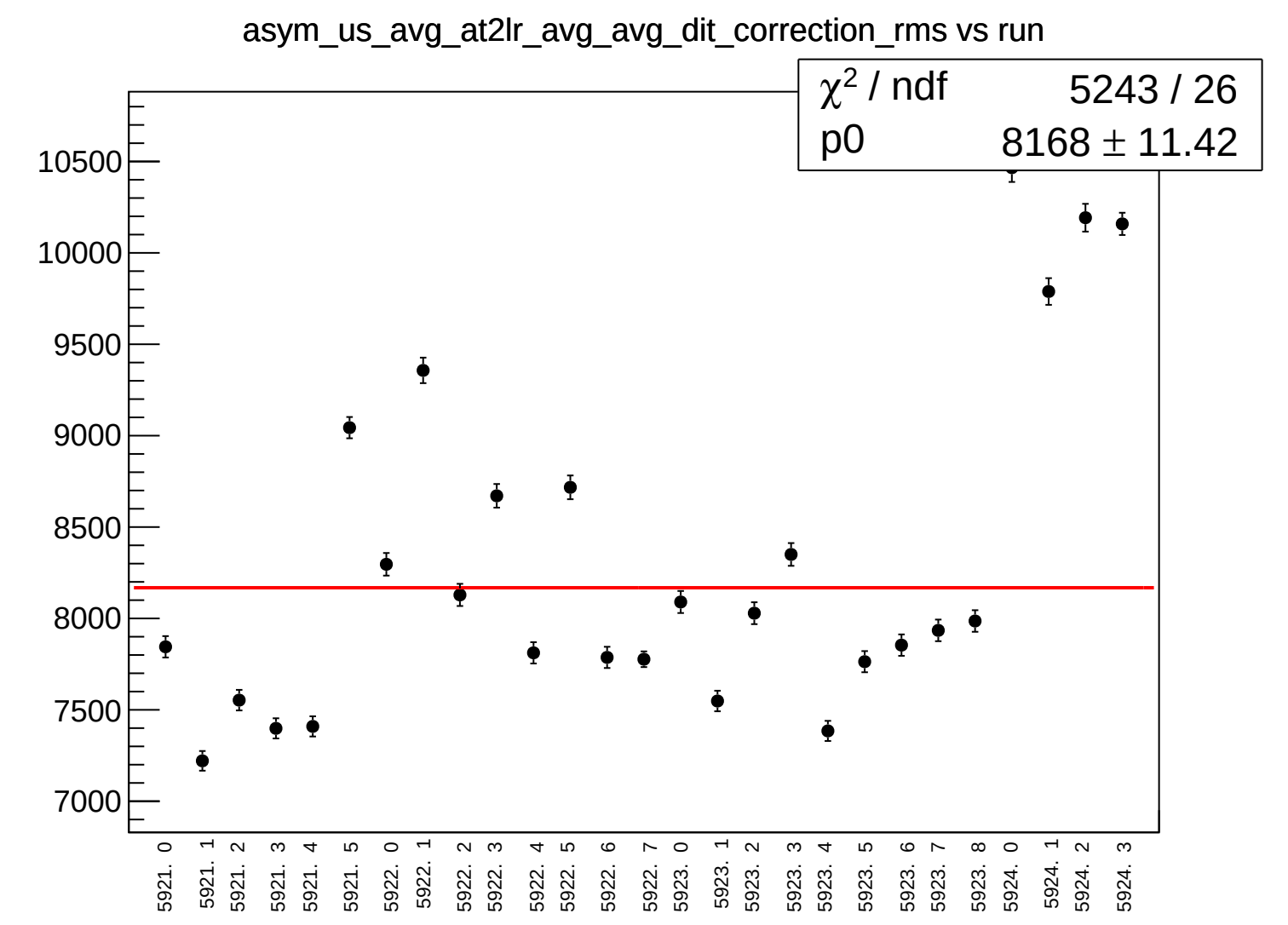

dit_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 17.37 / 26
p0 −2199 ± 4445
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

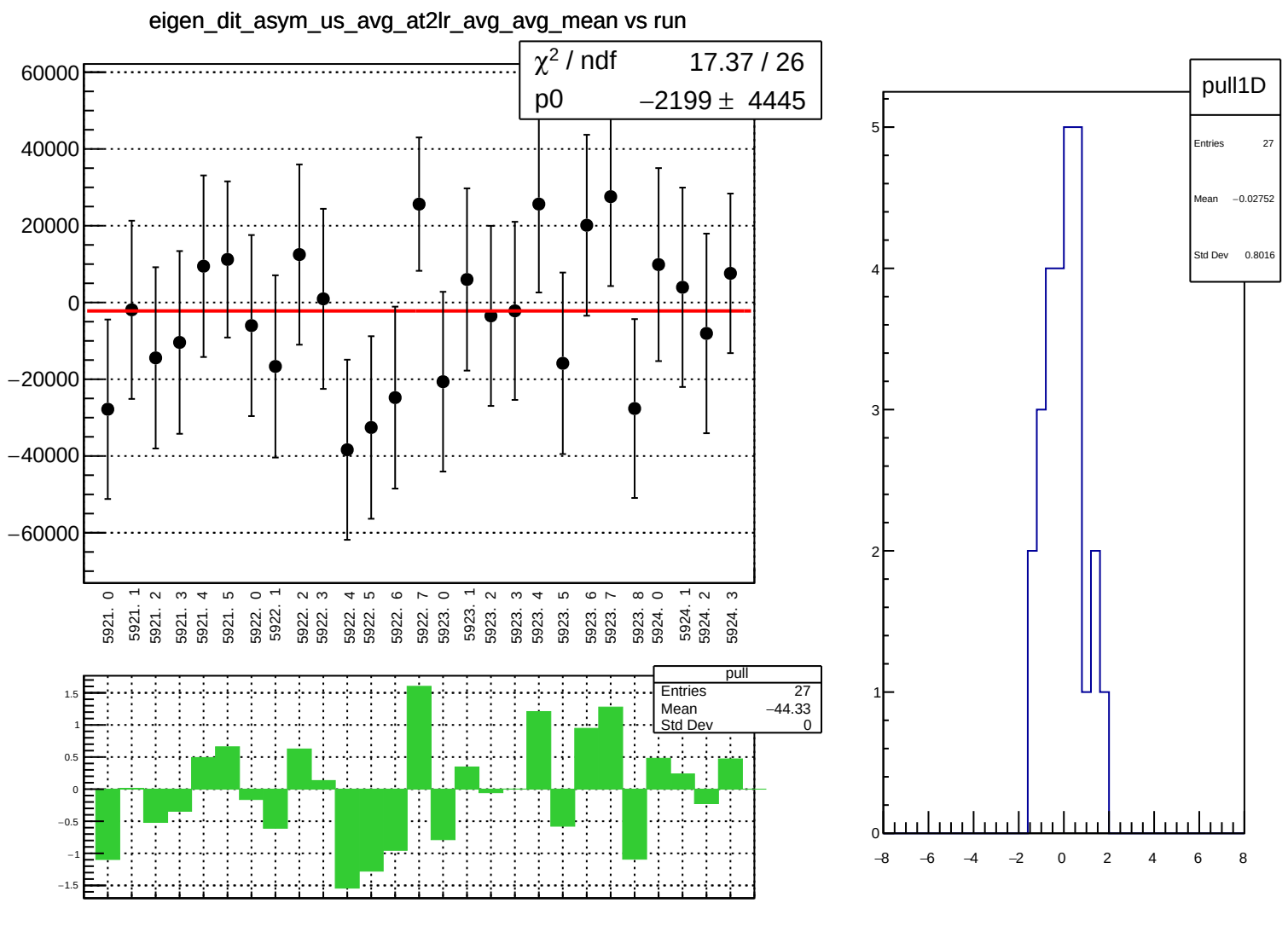

pull
Entries 27
Mean −44.33
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

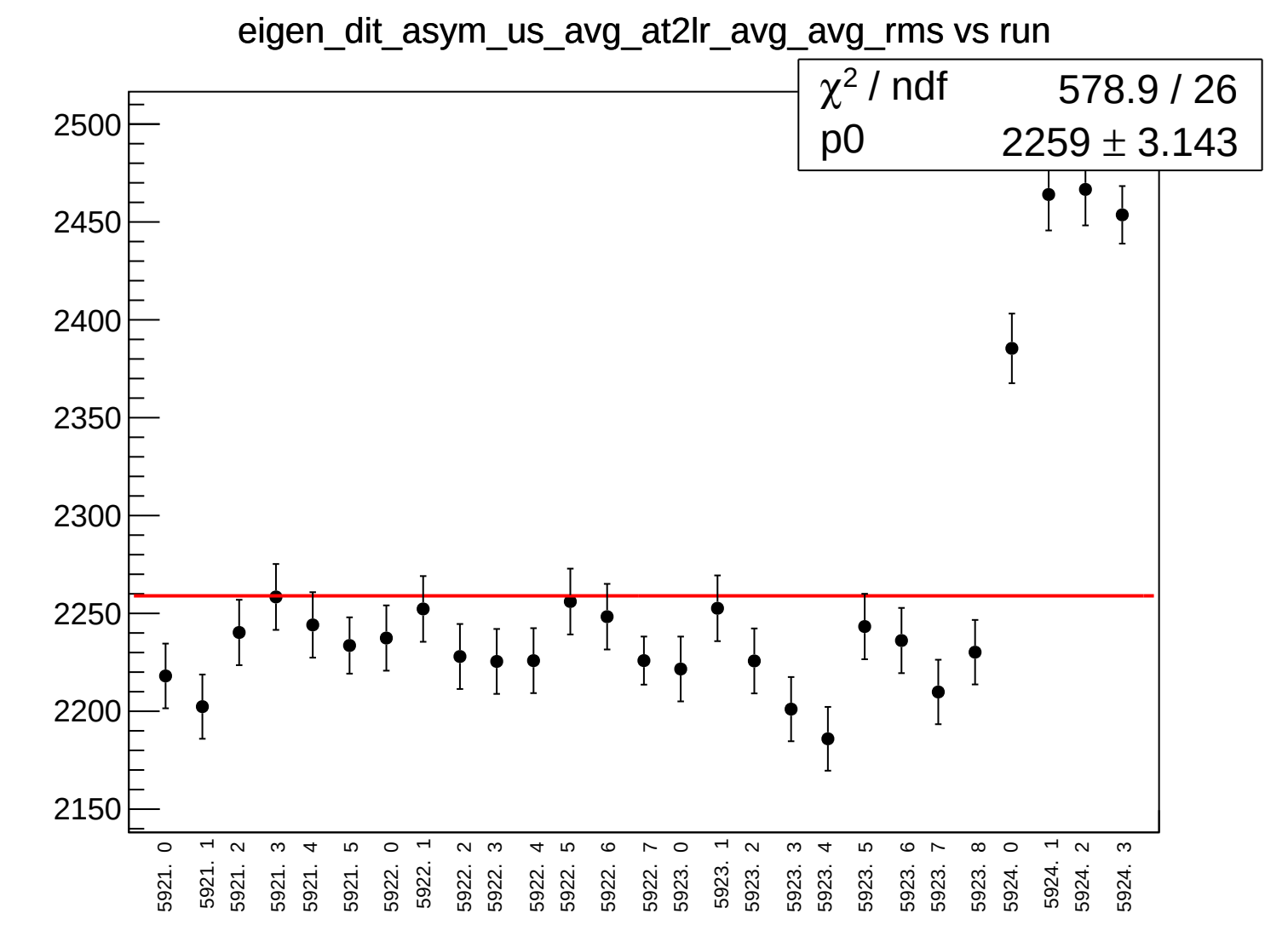

pull1D
Entries 27
Mean −0.02752
Std Dev 0.8016
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

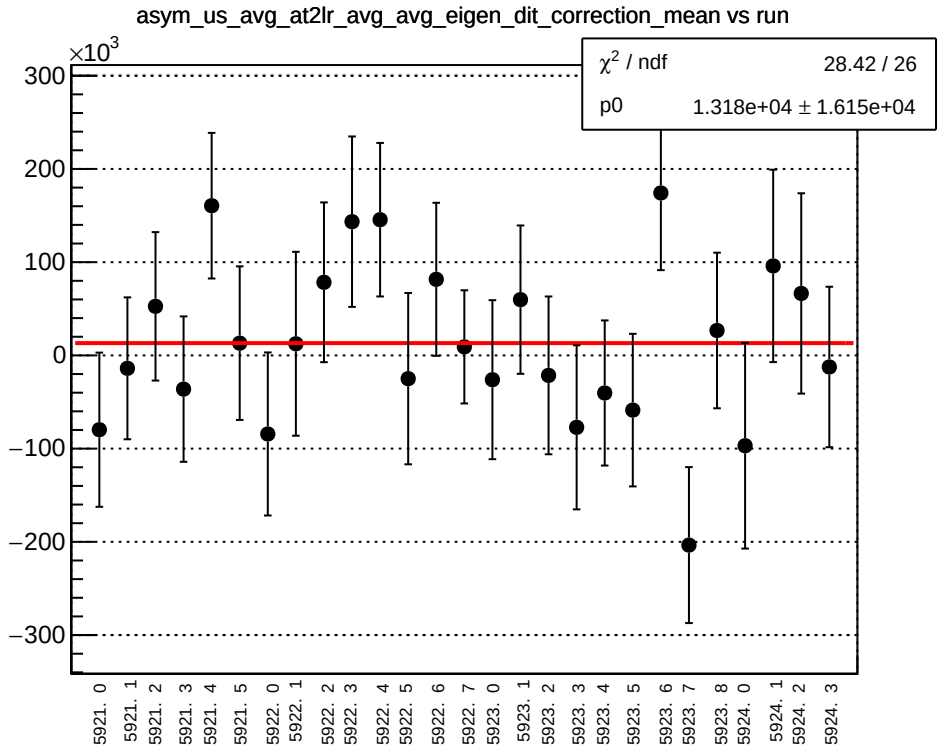

dit_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 579 / 26
p0 2259 ± 3.143
2500
2450
2400
2350
2300
2250
2200
2150
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

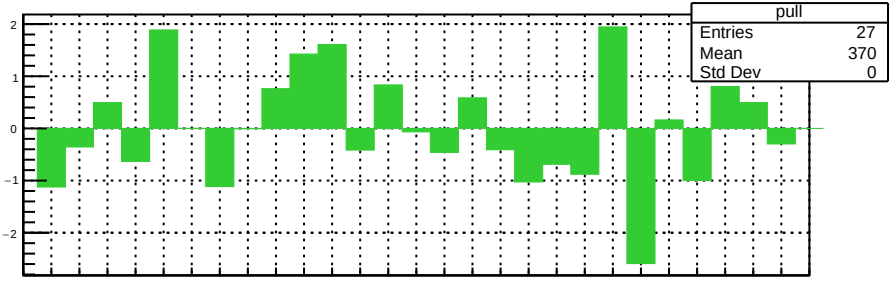

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 28.42 / 26
p0 1.318e+04 ± 1.615e+04
300
200
100
0
−100
−200
−300
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 370
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean −0.002261
Std Dev 1.026
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

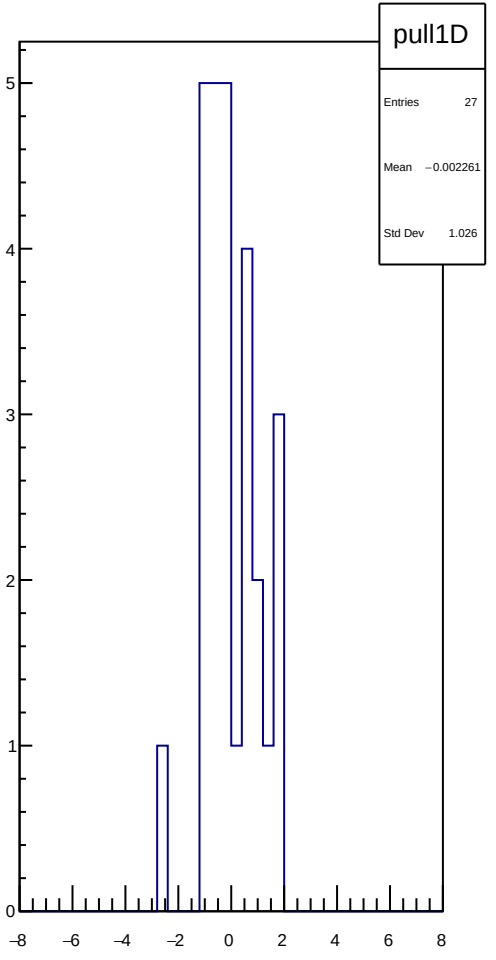

asym_us_avg_at2lr_avg_avg_dit_correction_rms vs run
χ² / ndf 5243 / 26
p0 8168 ± 11.42
10500
10000
9500
9000
8500
8000
7500
7000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

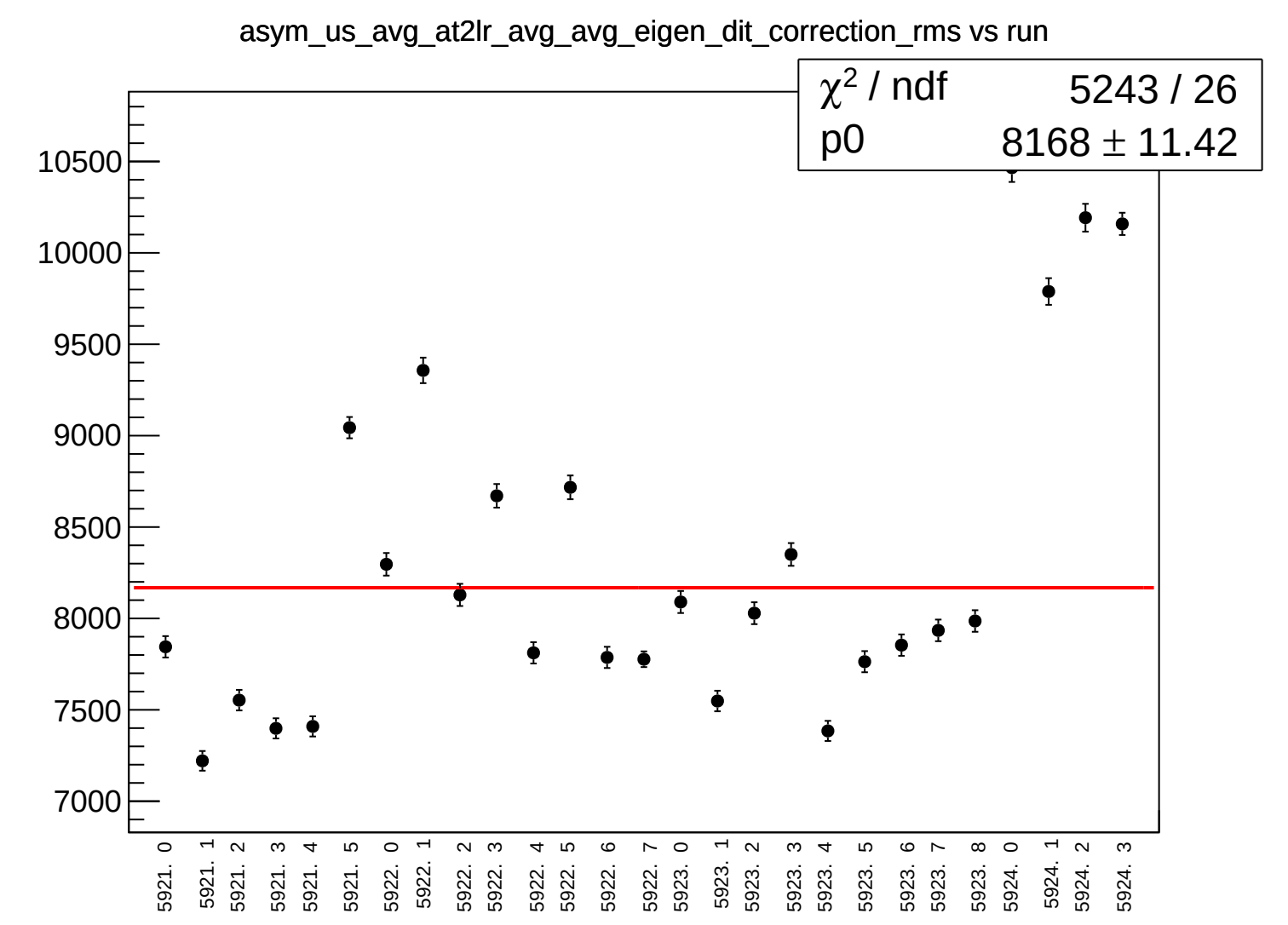

eigen_dit_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 17.37 / 26
p0 −2199 ± 4445
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −44.33
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.02752
Std Dev 0.8016
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

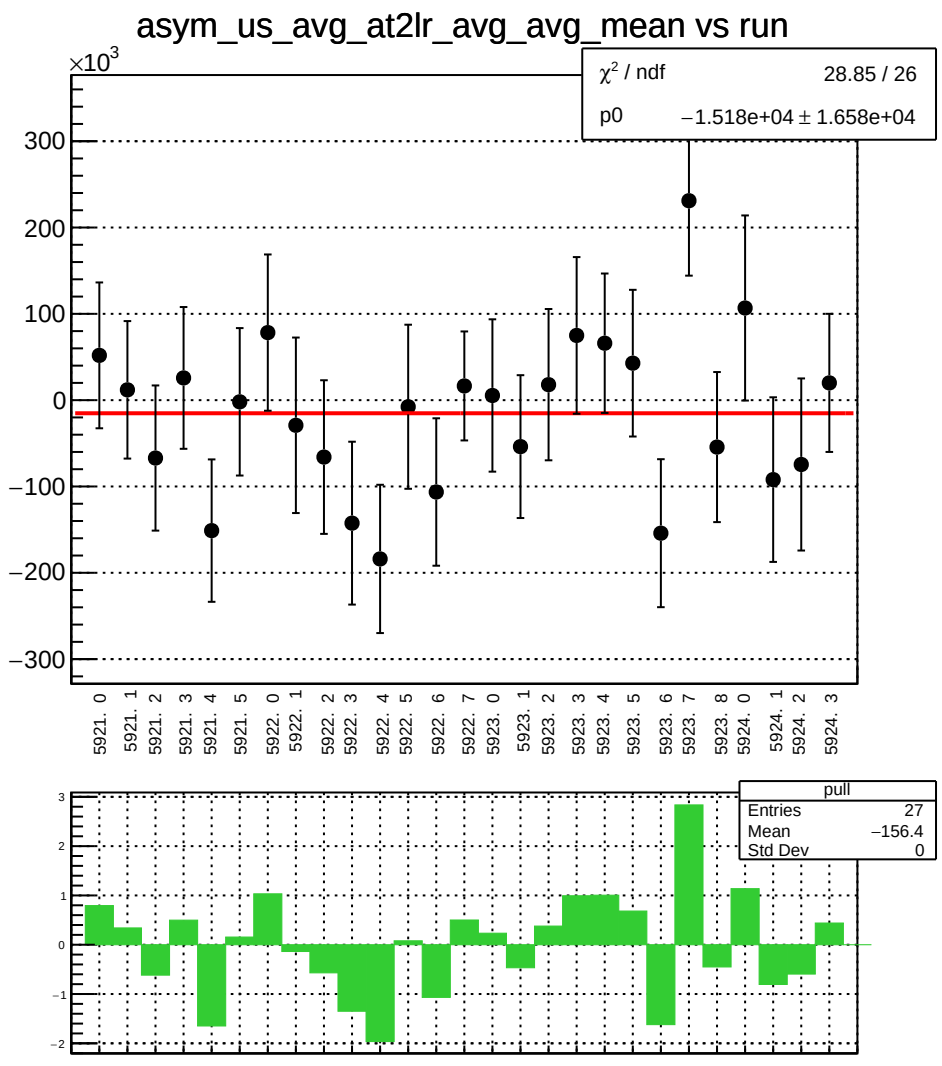

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 578.9 / 26
p0 2259 ± 3.143
2500
2450
2400
2350
2300
2250
2200
2150
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

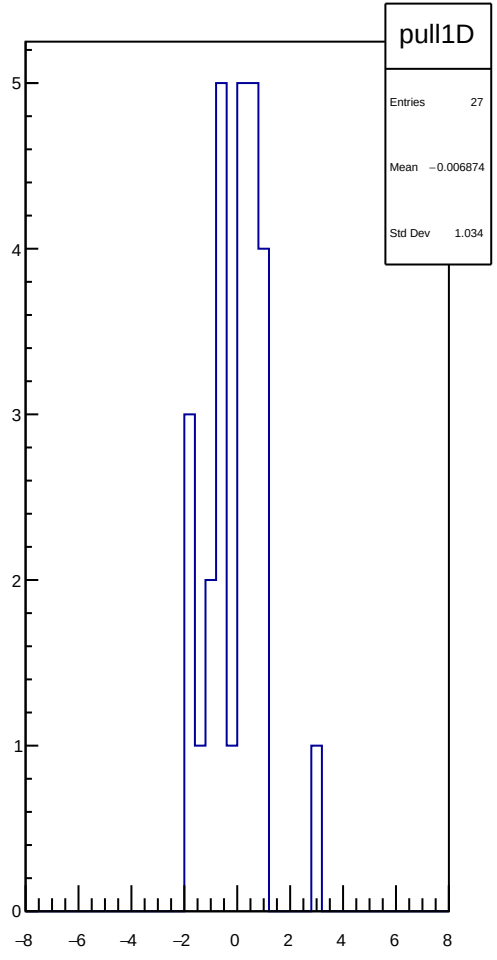

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 28.42 / 26
p0 1.318e+04 ± 1.615e+04
300
200
100
0
−100
−200
−300
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

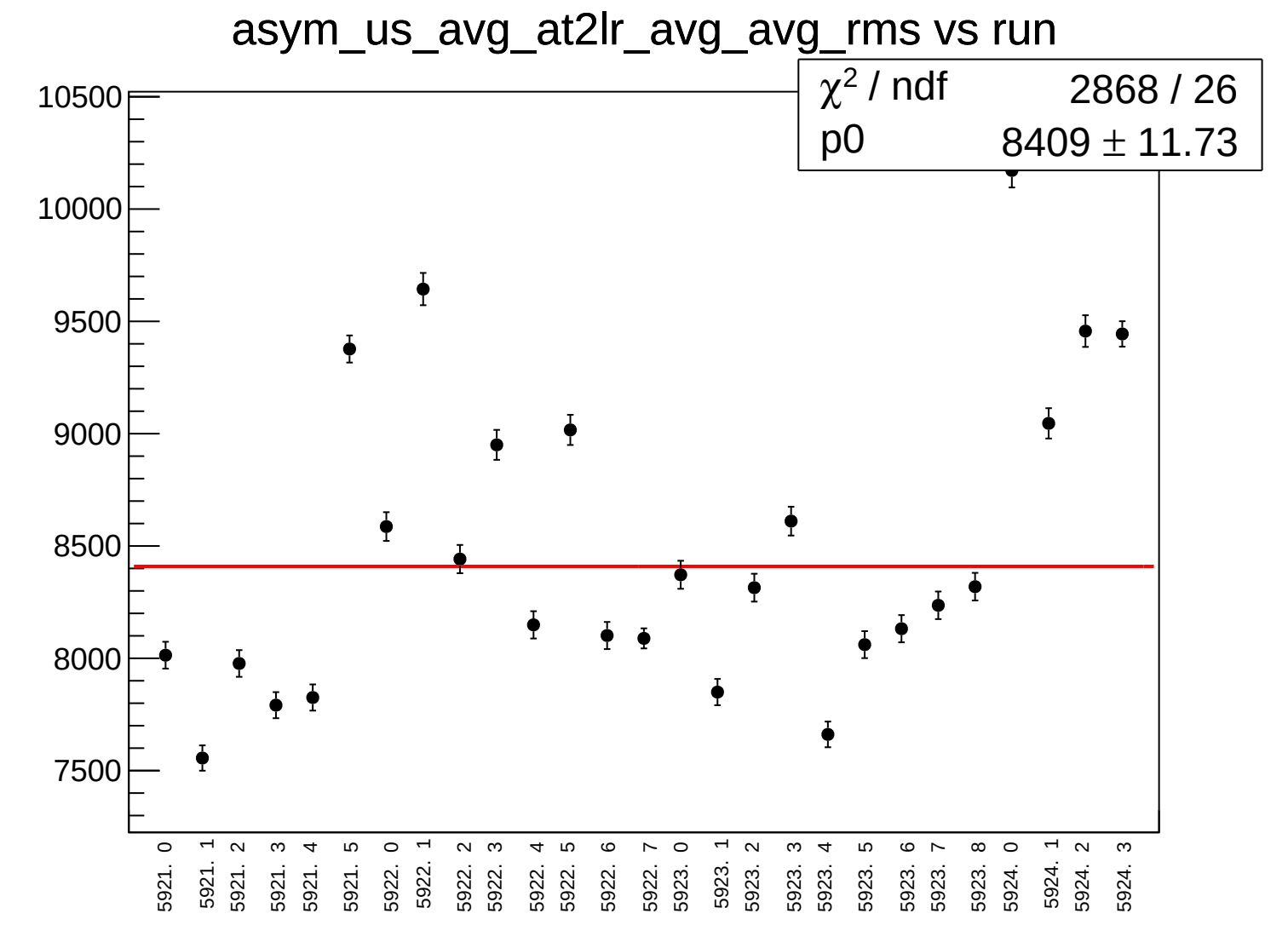

pull
Entries 27
Mean 370
Std Dev 0
2
1
0
−1
−2

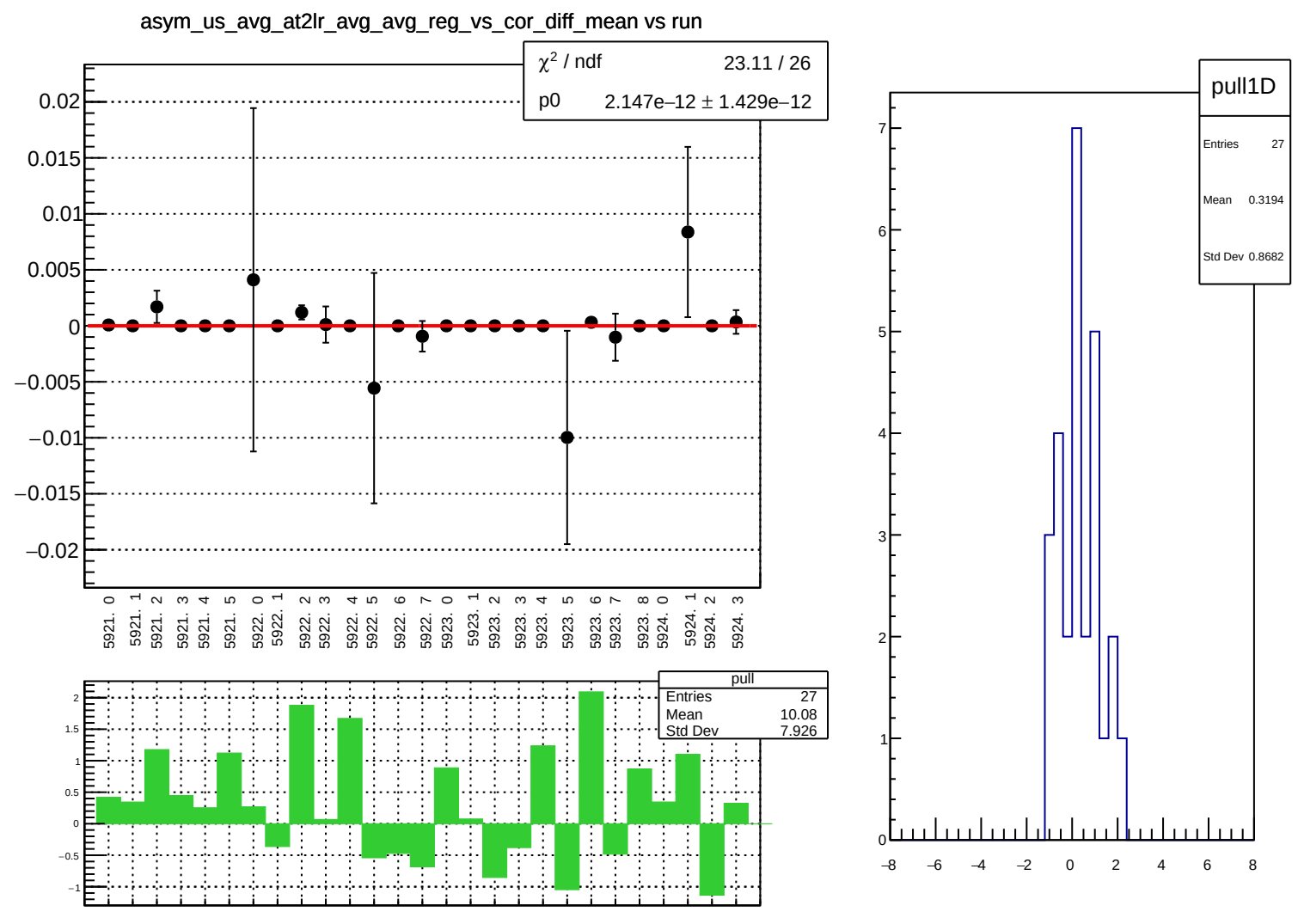

pull1D
Entries 27
Mean −0.002261
Std Dev 1.026
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

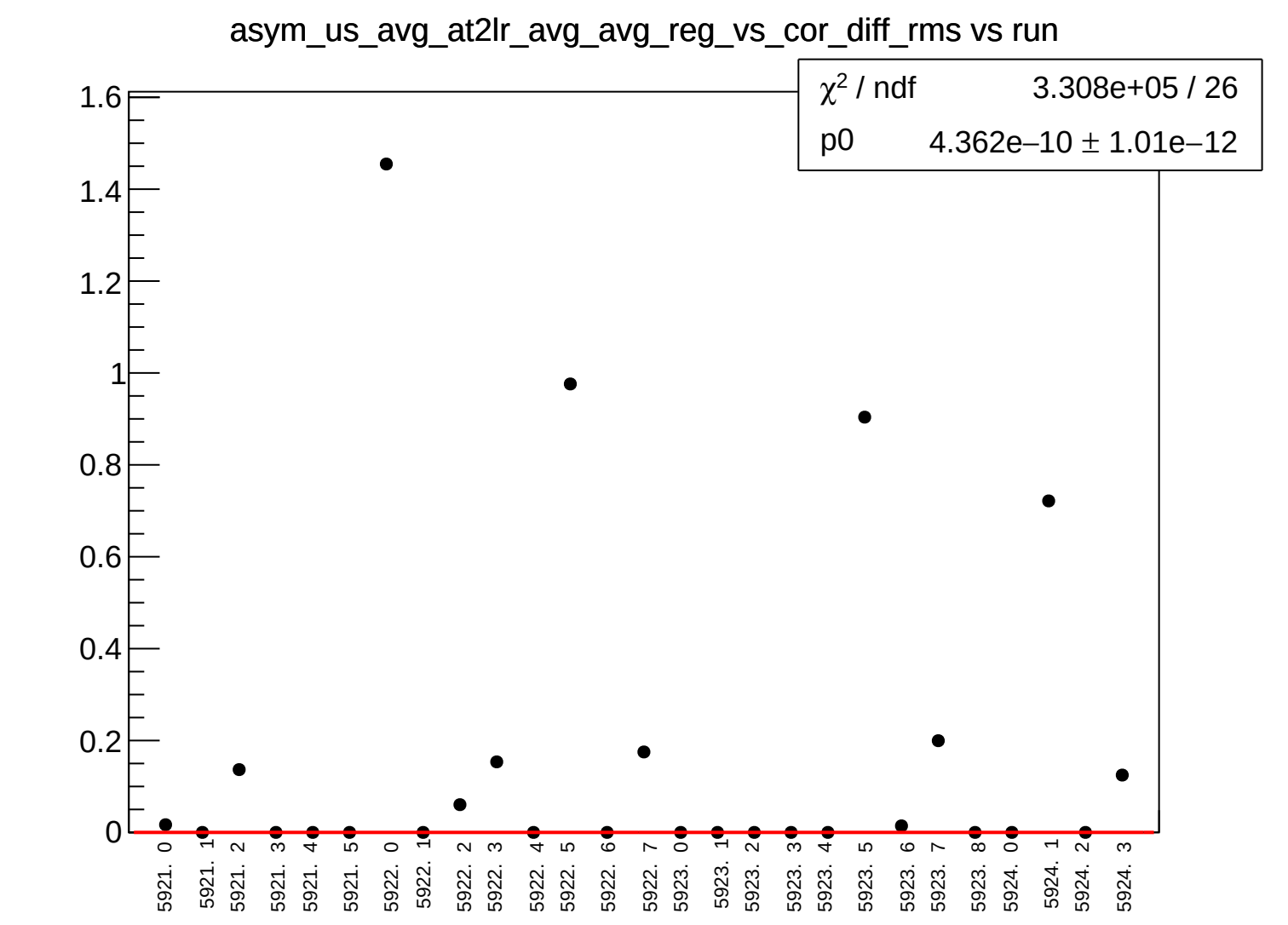

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 5243 / 26
p0 8168 ± 11.42
10500
10000
9500
9000
8500
8000
7500
7000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

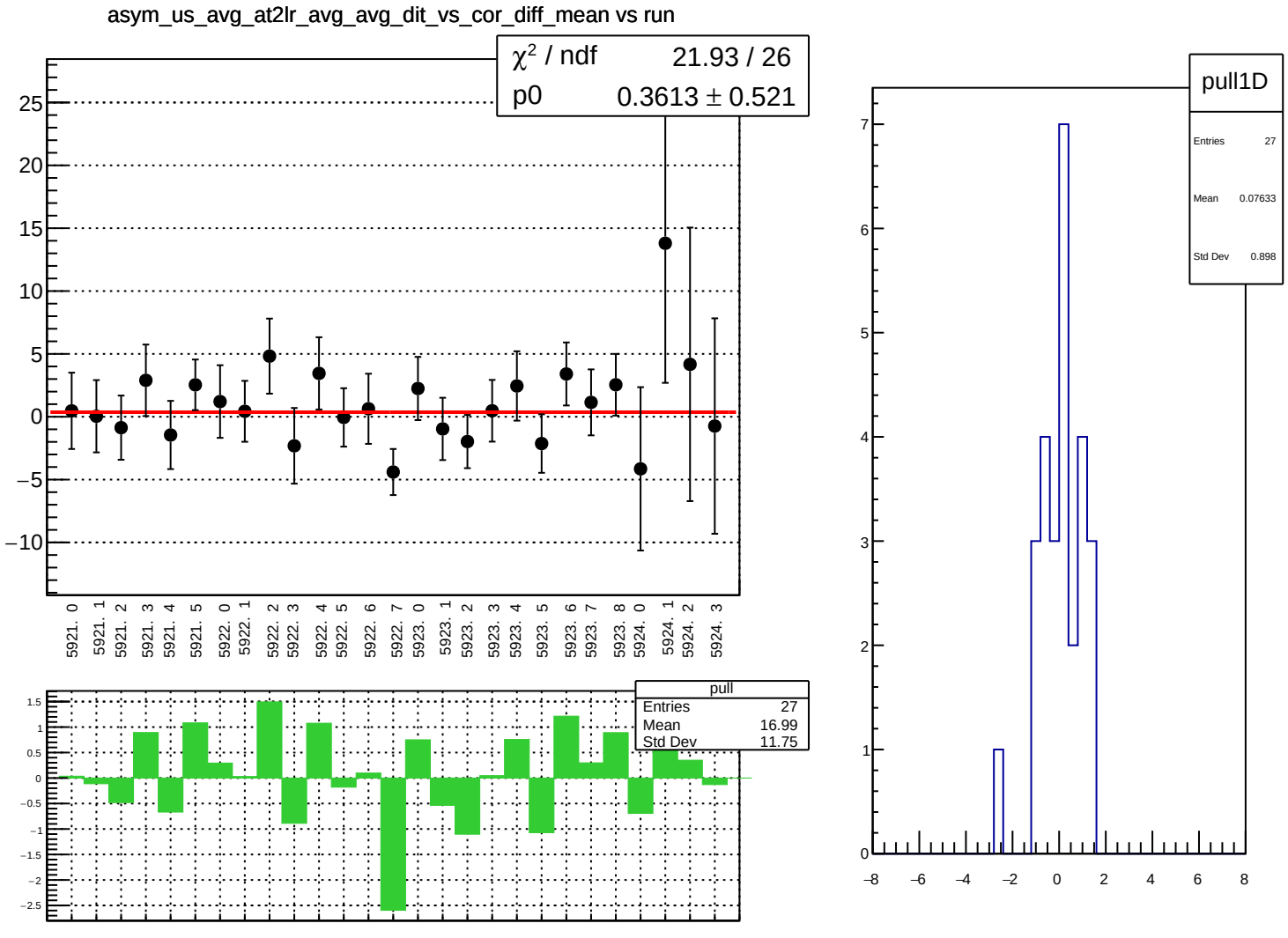

asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ² / ndf 28.85 / 26
p0 −1.518e+04 ± 1.658e+04
300
200
100
0
−100
−200
−300
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −156.4
Std Dev 0
3
2
1
0
−1
−2

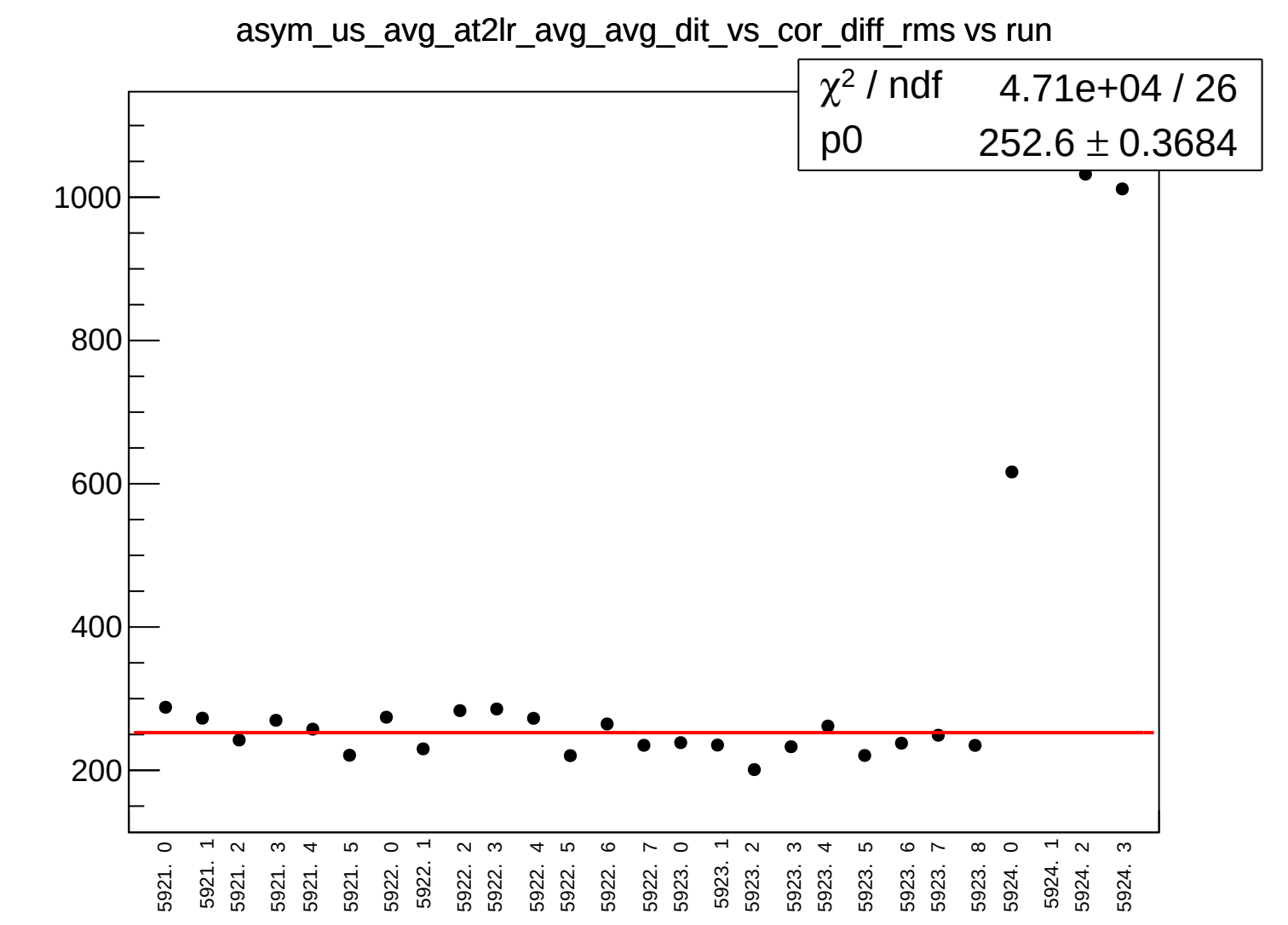

pull1D
Entries 27
Mean −0.006874
Std Dev 1.034
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

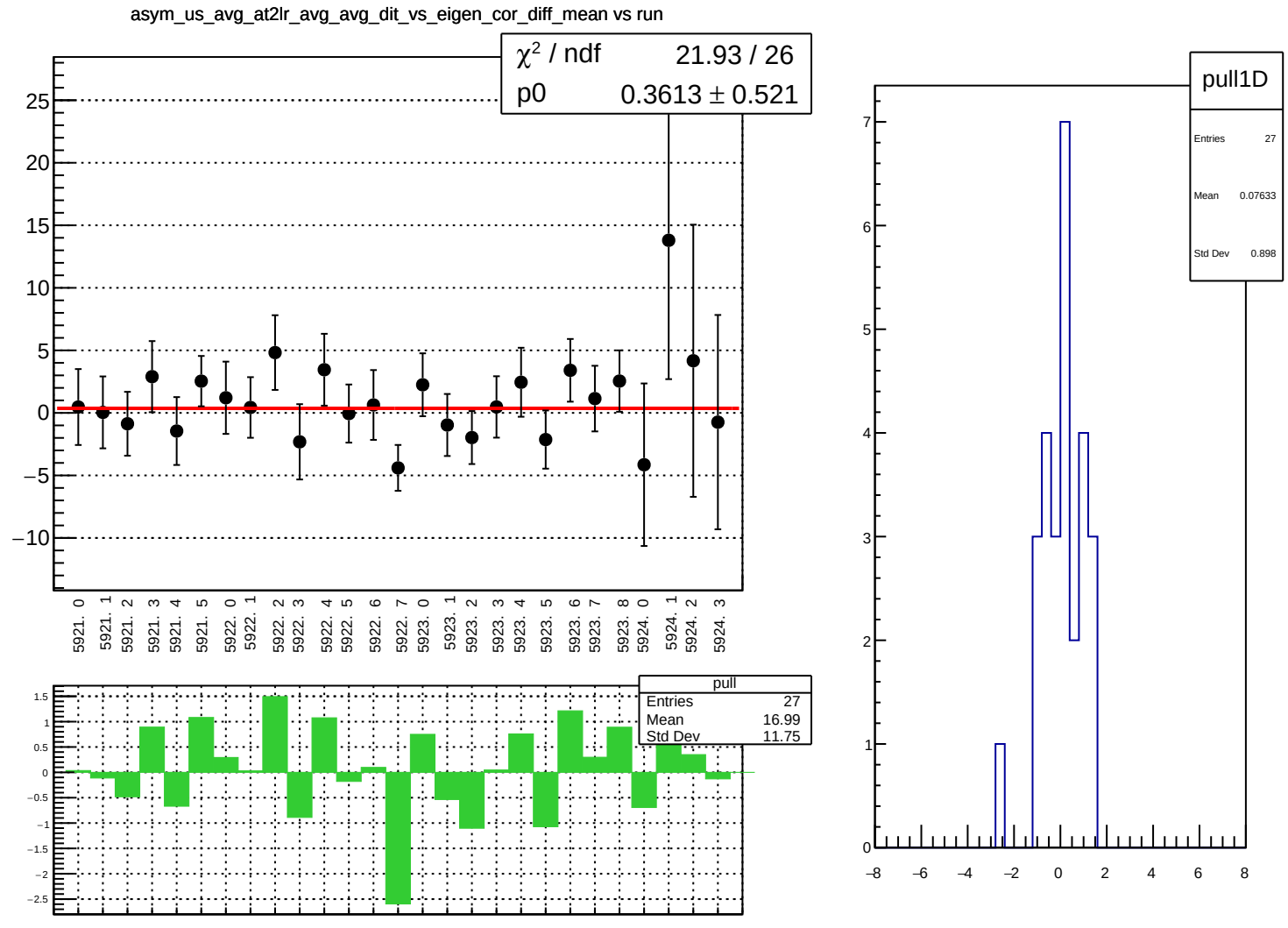

asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 2868 / 26
p0 8409 ± 11.73
10500
10000
9500
9000
8500
8000
7500
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

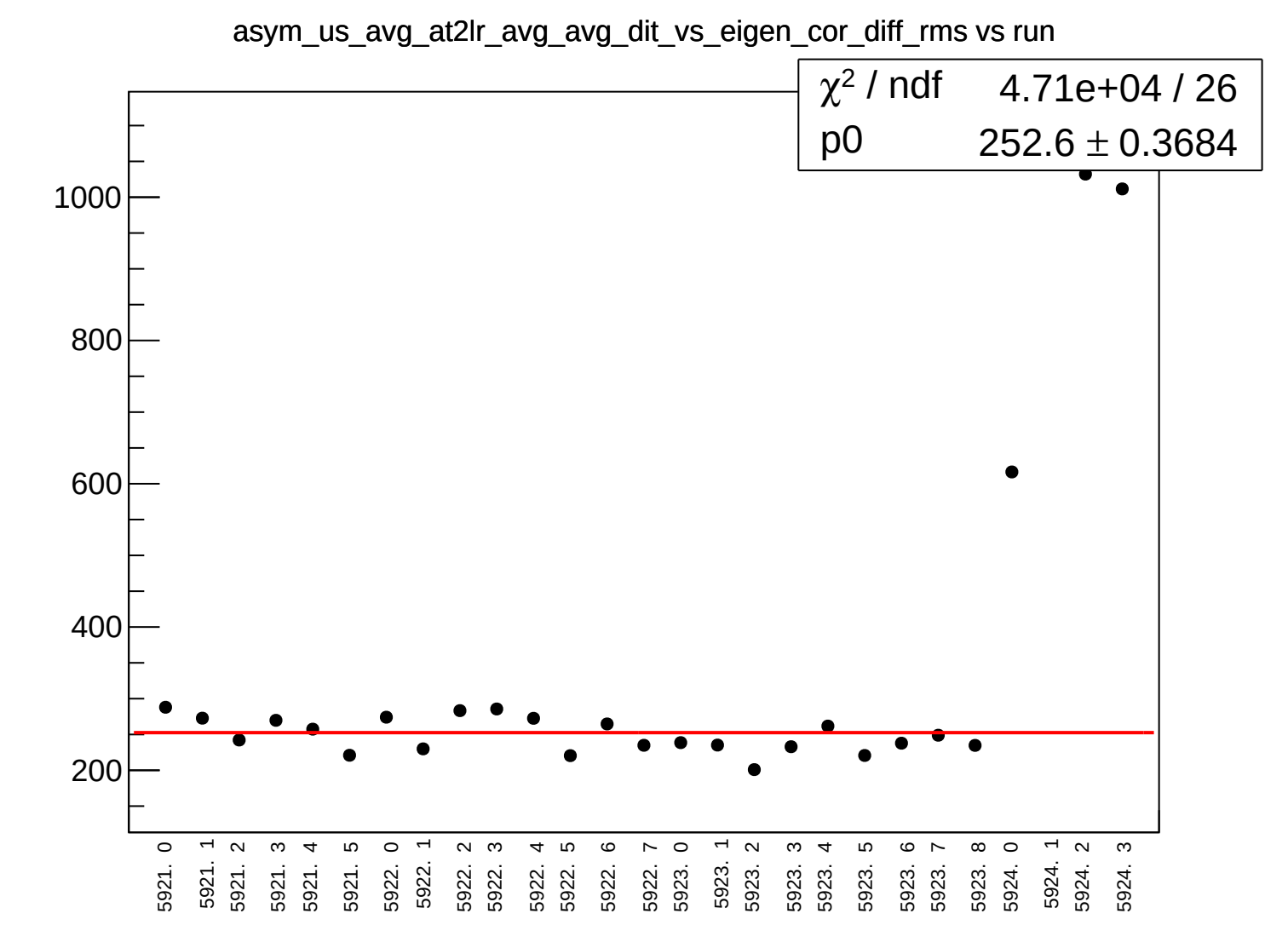

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 23.11 / 26
p0 2.147e−12 ± 1.429e−12
0.02
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 10.08
Std Dev 7.926
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 27
Mean 0.3194
Std Dev 0.8682
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

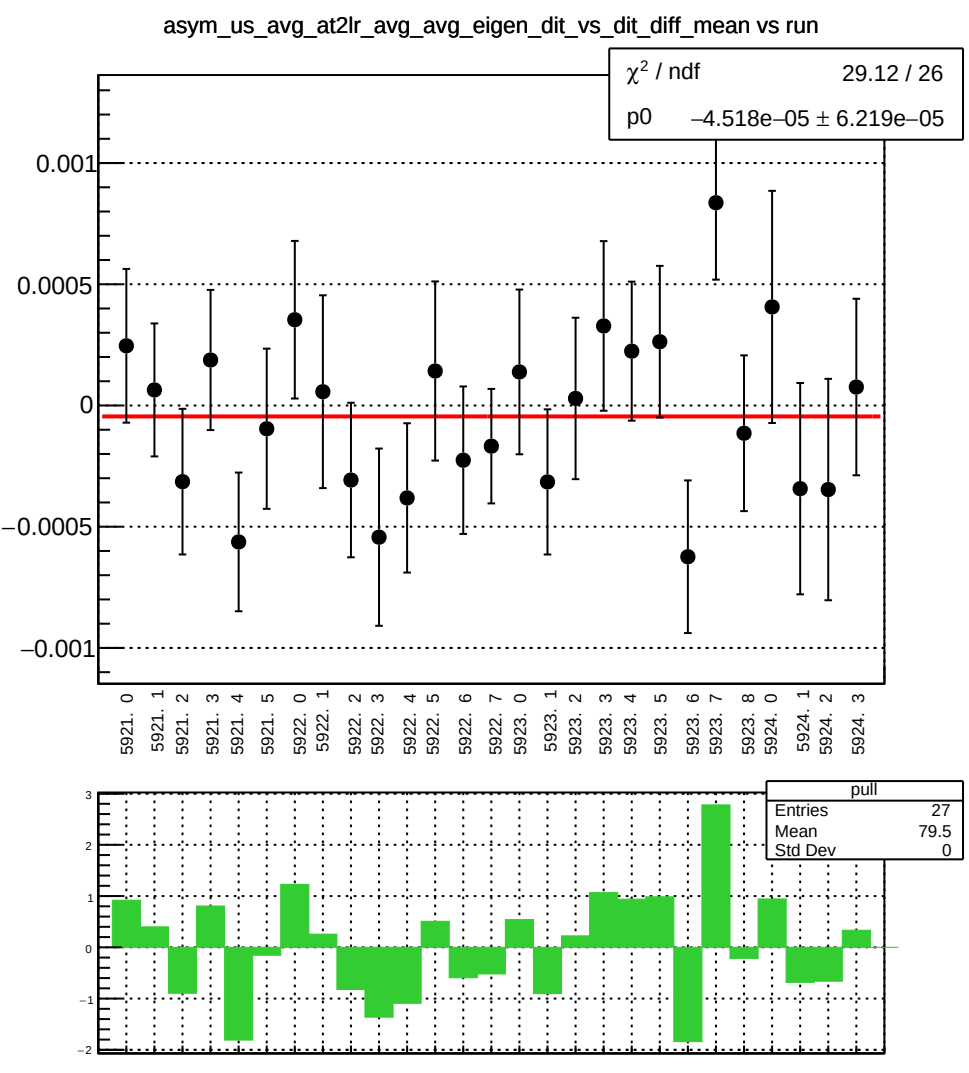

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.308e+05 / 26
p0 4.362e−10 ± 1.01e−12
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

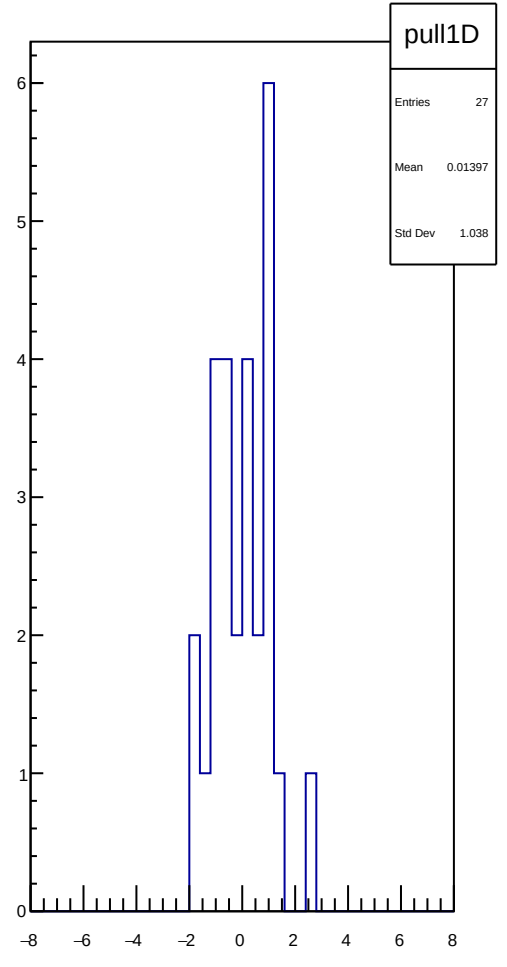

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 21.93 / 26
p0 0.3613 ± 0.521
25
20
15
10
5
0
−5
−10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 16.99
Std Dev 11.75
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean 0.07633
Std Dev 0.898
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

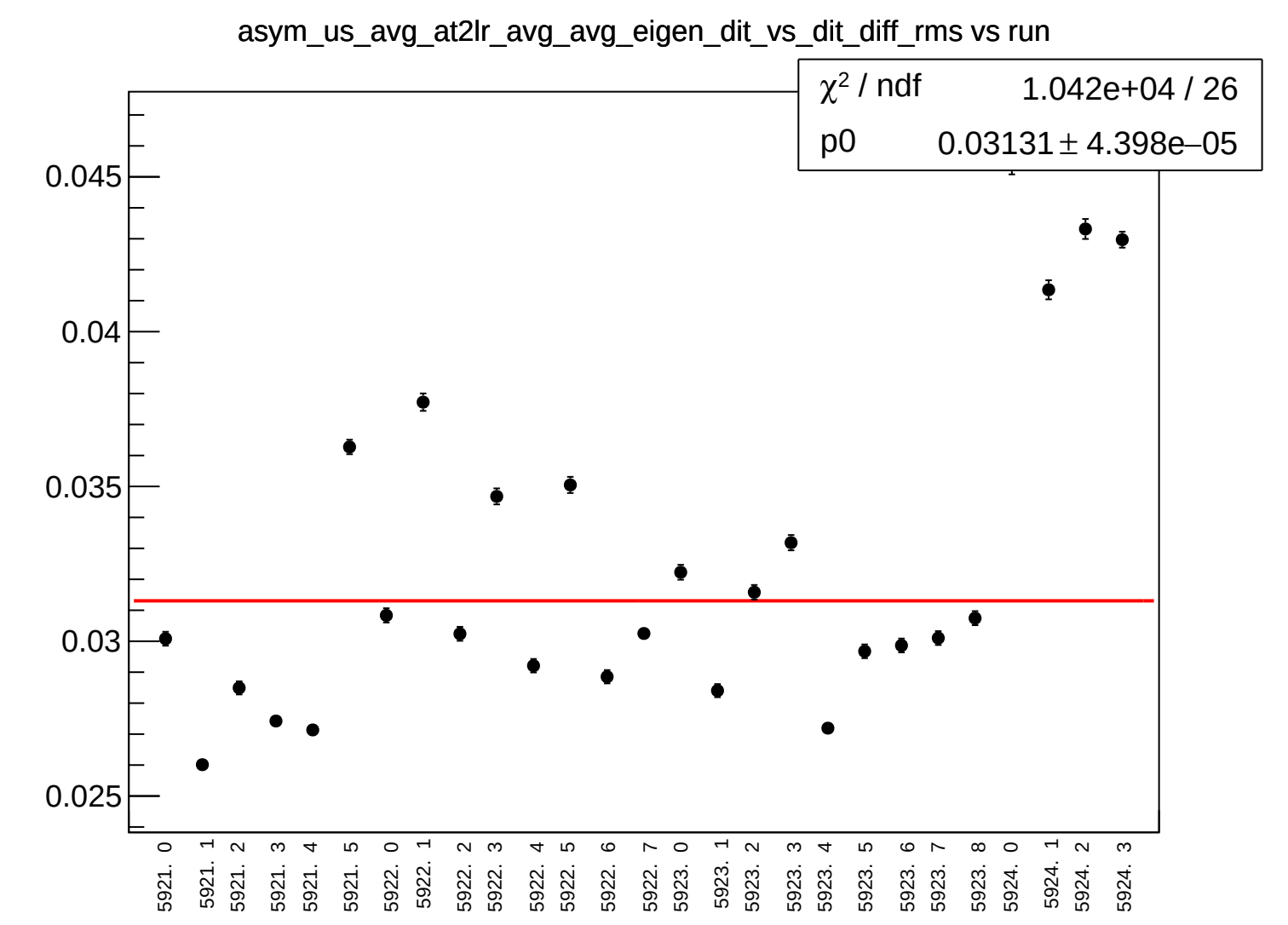

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.71e+04 / 26
p0 252.6 ± 0.3684
1000
800
600
400
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

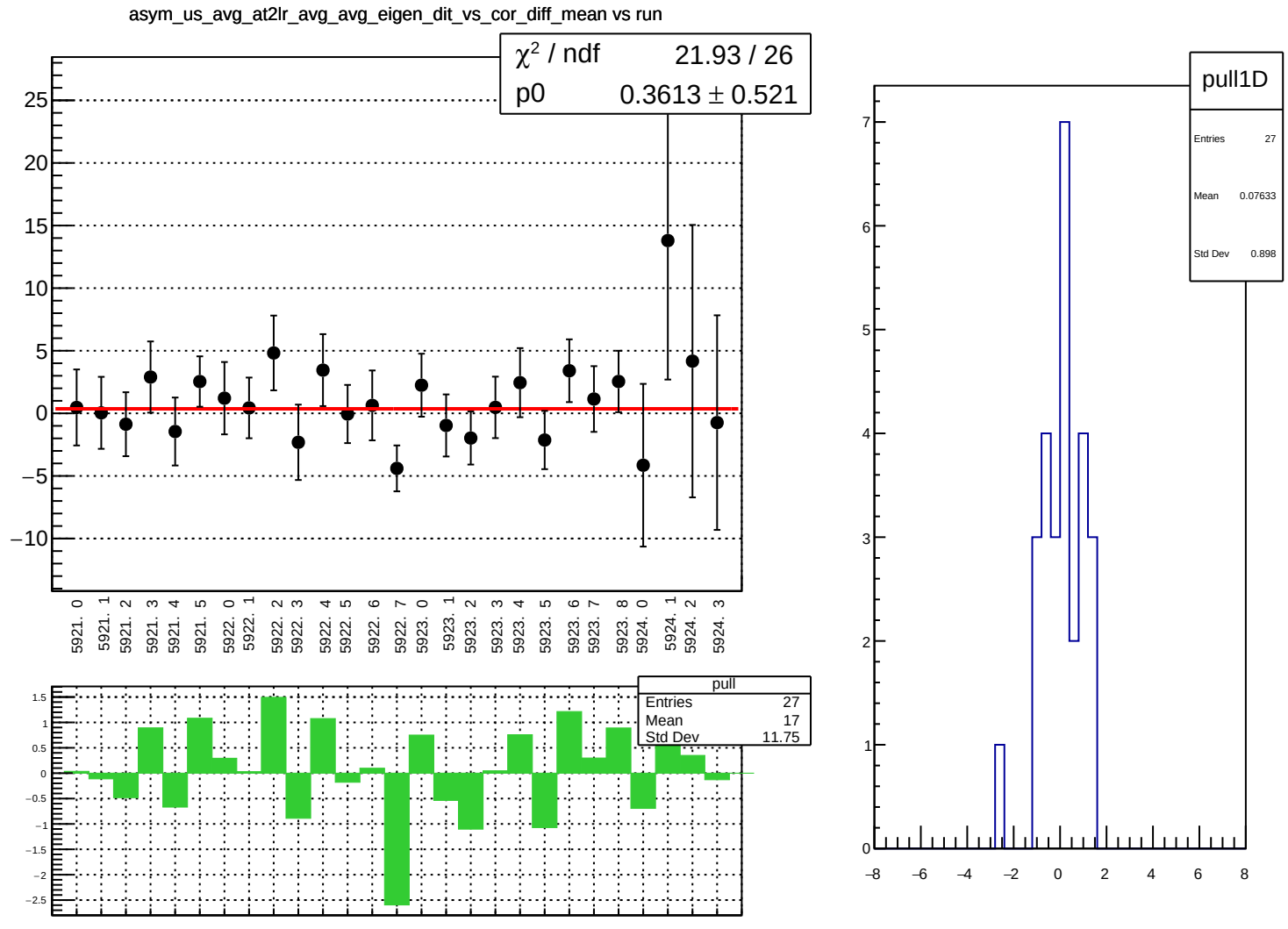

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 21.93 / 26
p0 0.3613 ± 0.521
pull
Entries 27
Mean 16.99
Std Dev 11.75
pull1D
Entries 27
Mean 0.07633
Std Dev 0.898

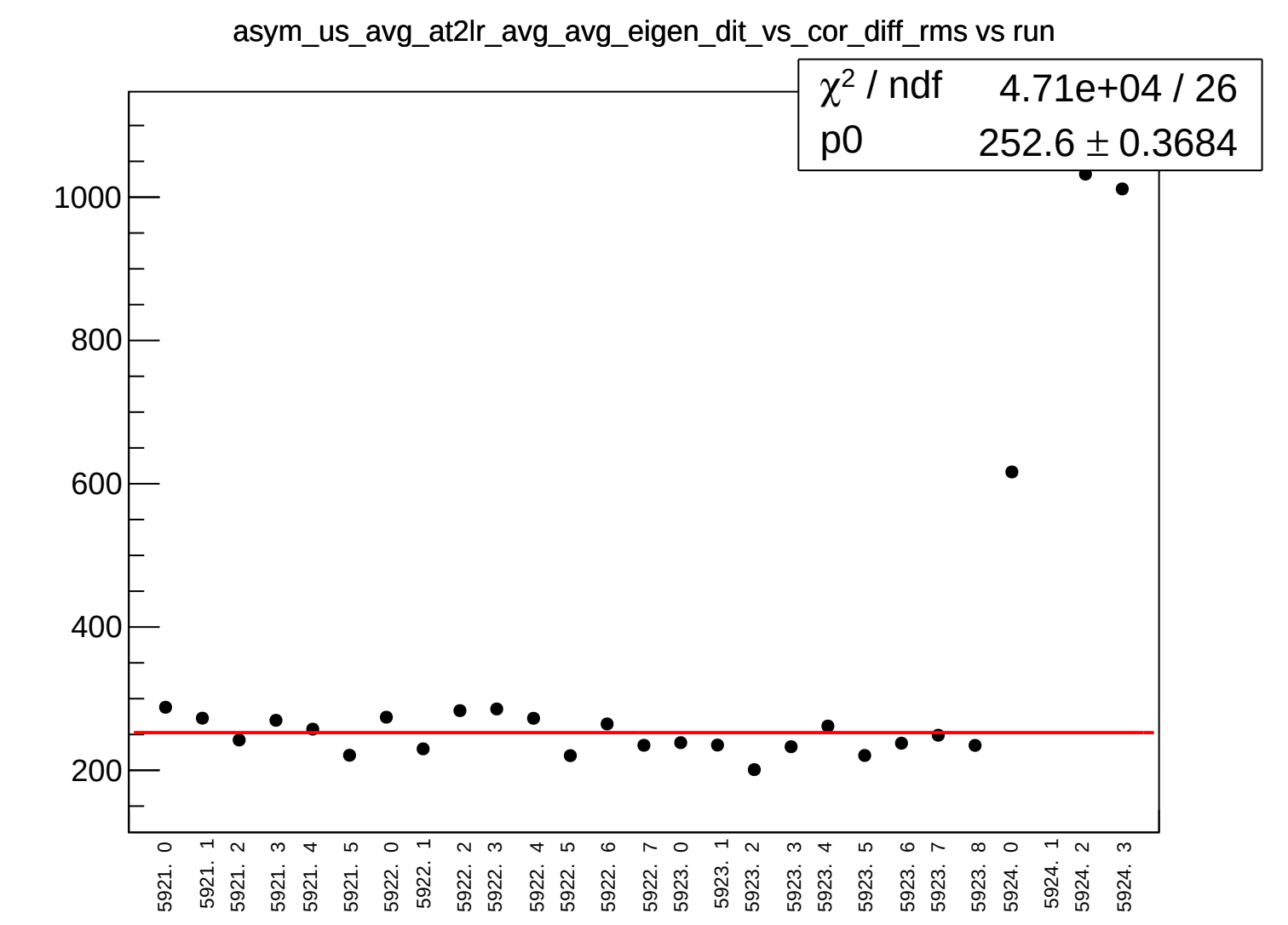

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.71e+04 / 26
p0 252.6 ± 0.3684
1000
800
600
400
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

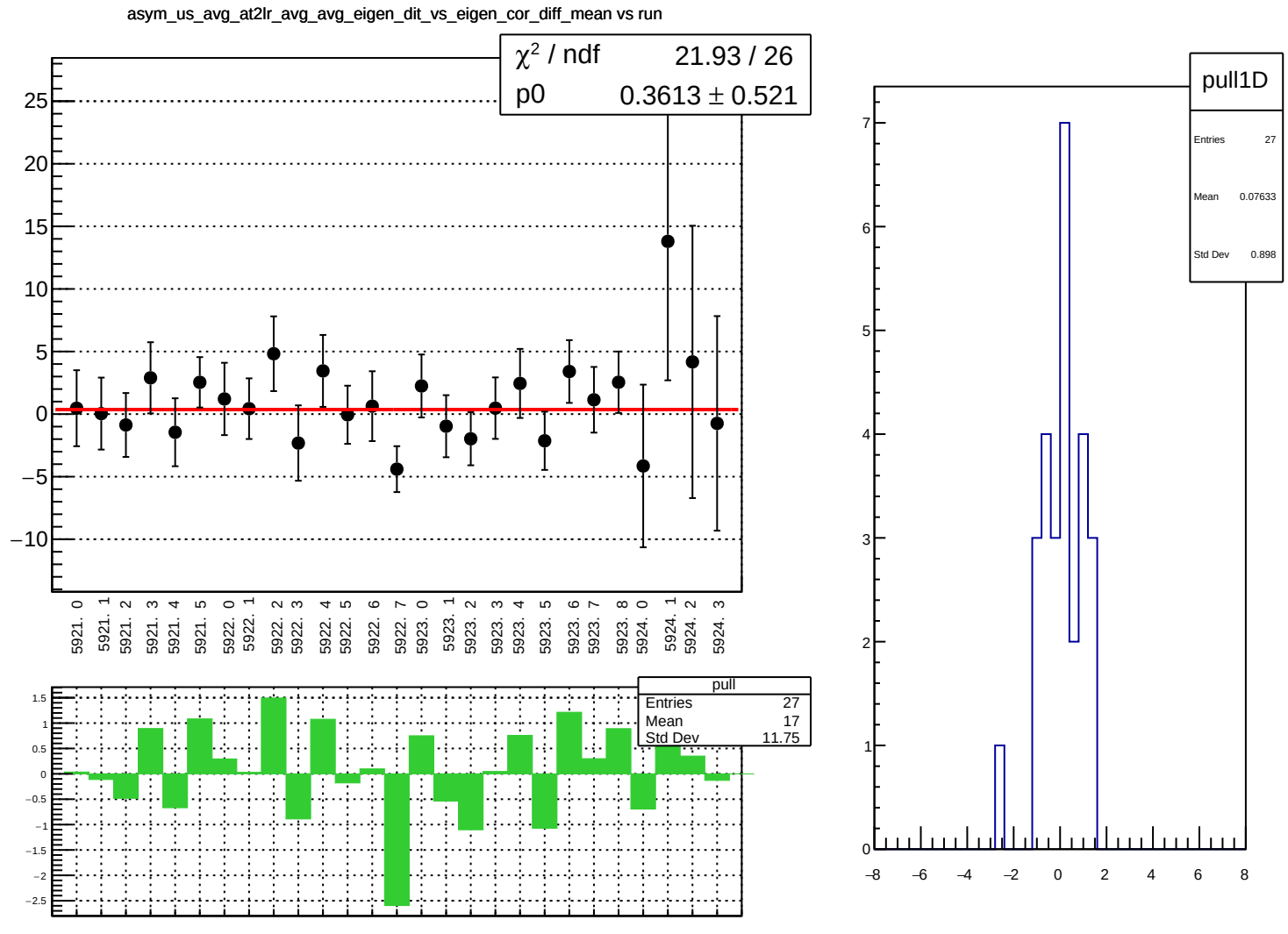

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 29.12 / 26
p0 −4.518e−05 ± 6.219e−05
0.001
0.0005
0
−0.0005
−0.001
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 79.5
Std Dev 0
3
2
1
0
−1
−2

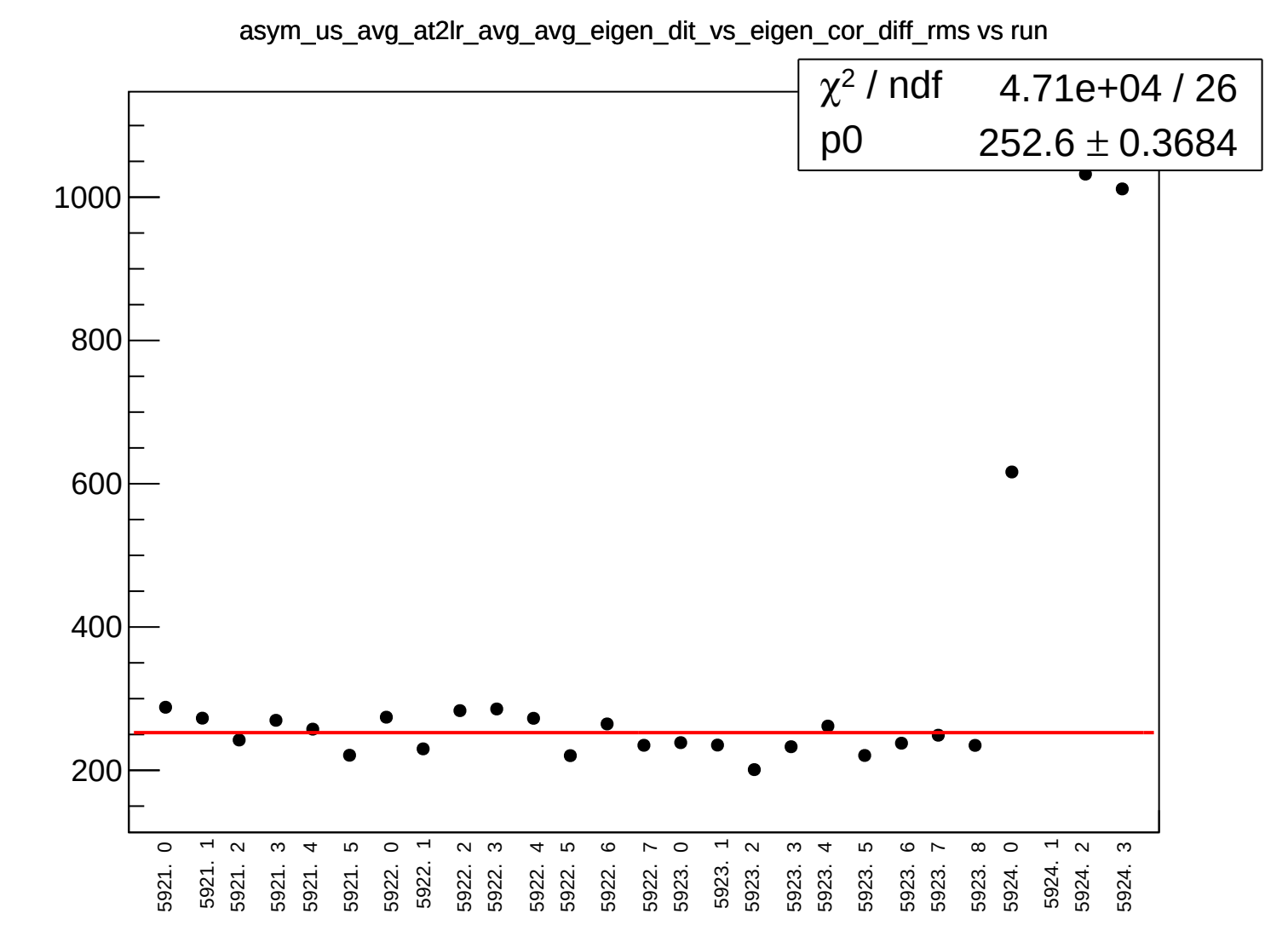

pull1D
Entries 27
Mean 0.01397
Std Dev 1.038
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

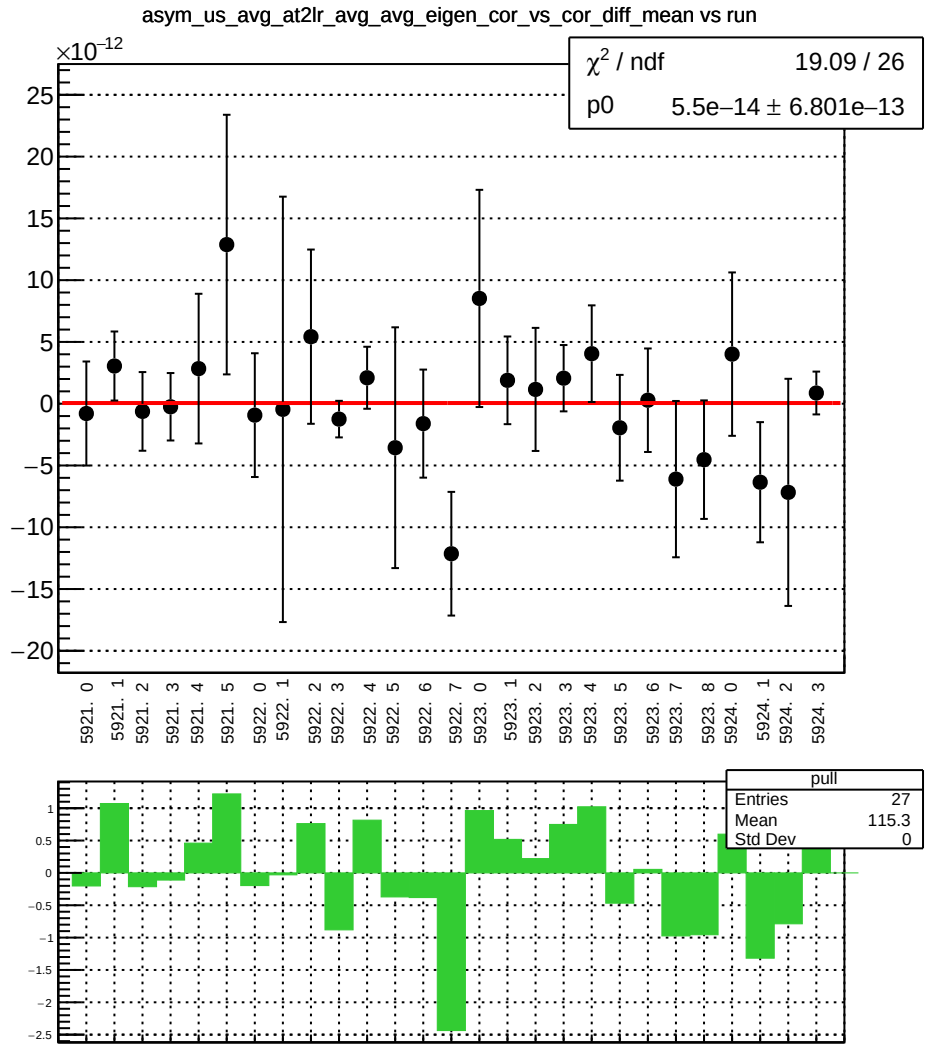

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.042e+04 / 26
p0 0.03131 ± 4.398e–05
0.045
0.04
0.035
0.03
0.025
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

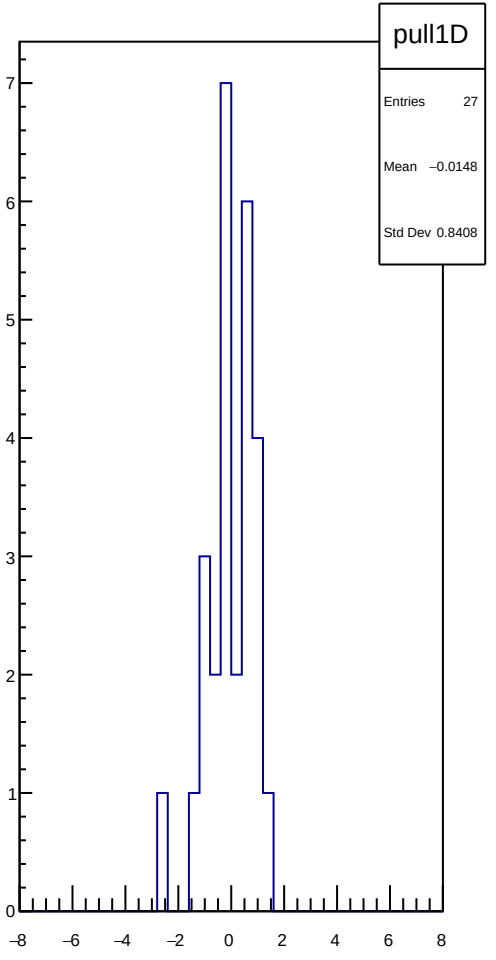

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 21.93 / 26
p0 0.3613 ± 0.521
pull
Entries 27
Mean 17
Std Dev 11.75
pull1D
Entries 27
Mean 0.07633
Std Dev 0.898

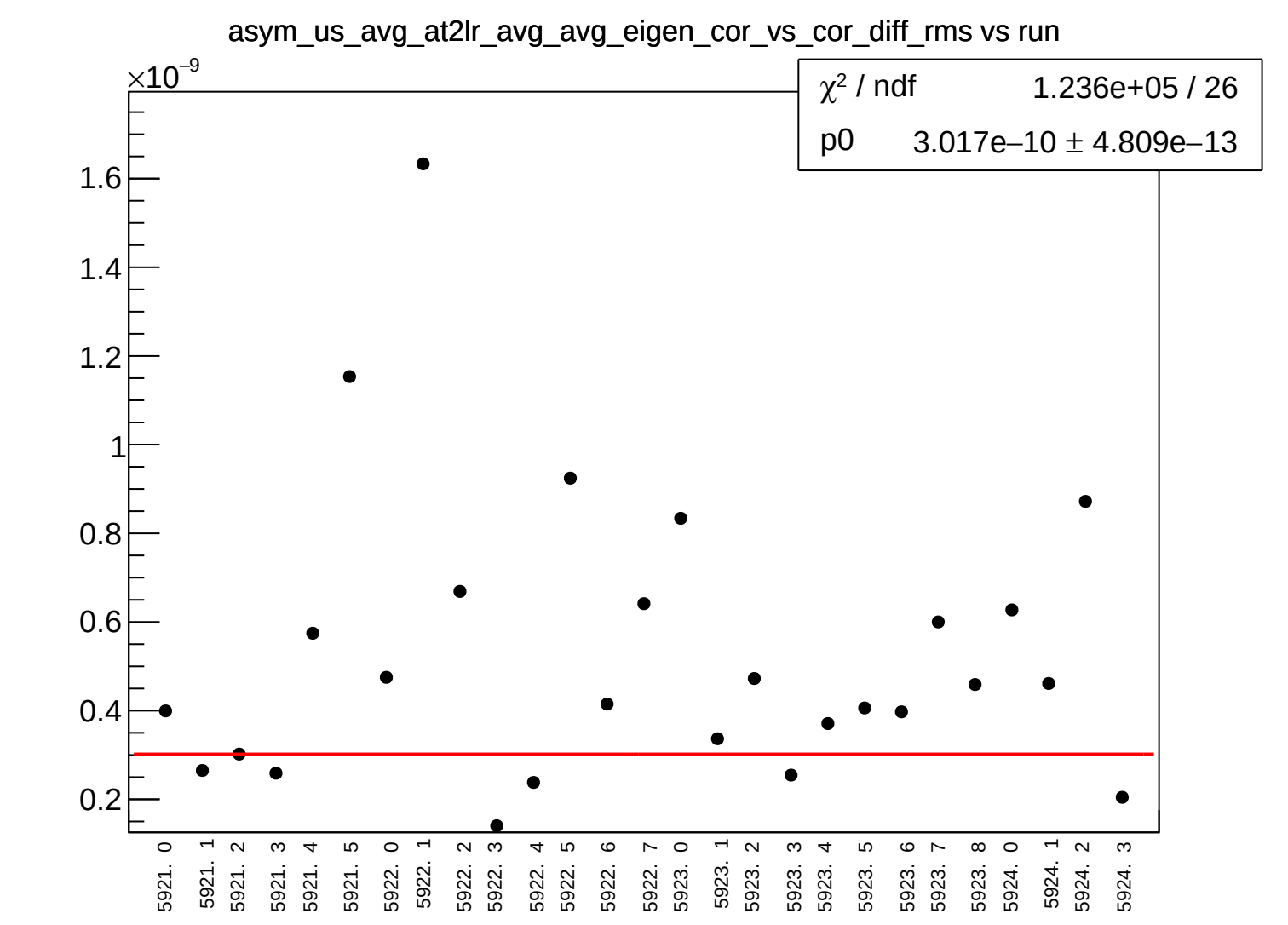

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.71e+04 / 26
p0 252.6 ± 0.3684
1000
800
600
400
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

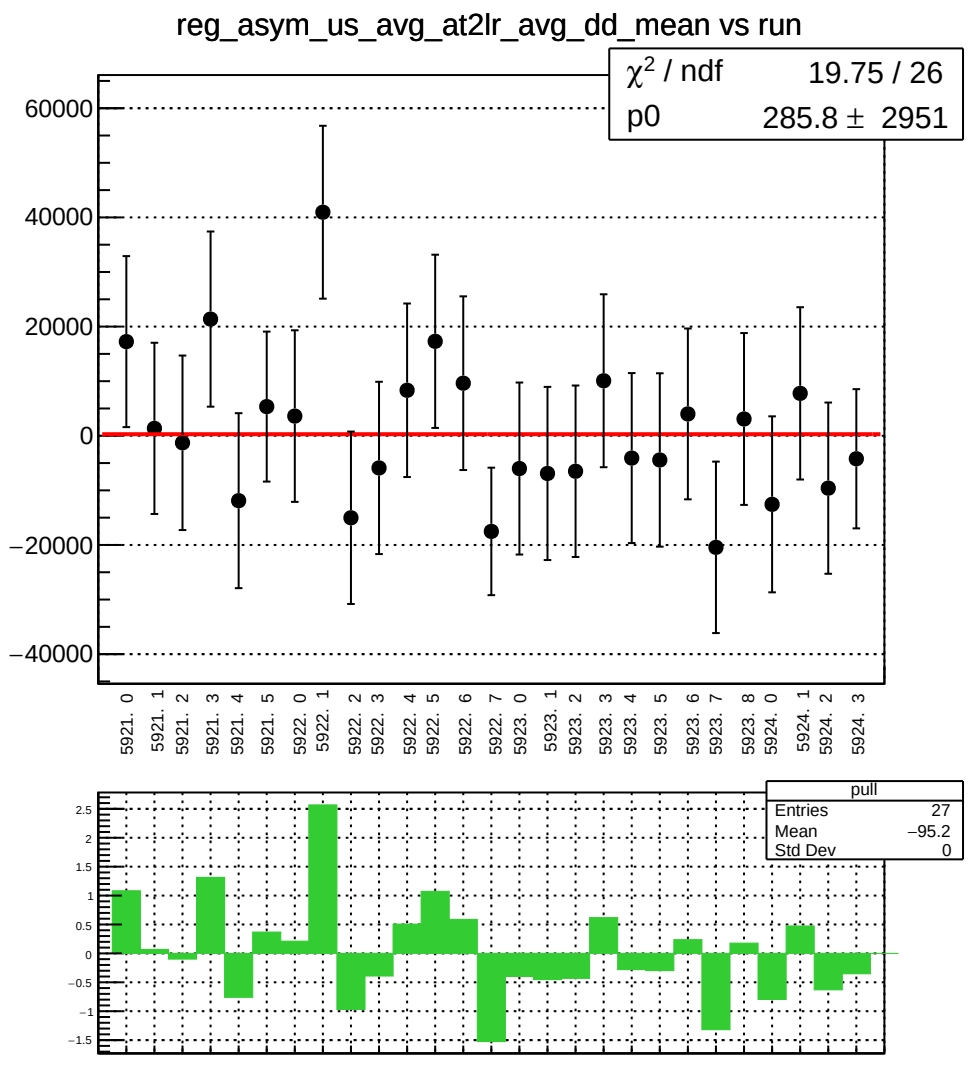

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 21.93 / 26
p0 0.3613 ± 0.521
25
20
15
10
5
0
−5
−10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 17
Std Dev 11.75
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean 0.07633
Std Dev 0.898
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

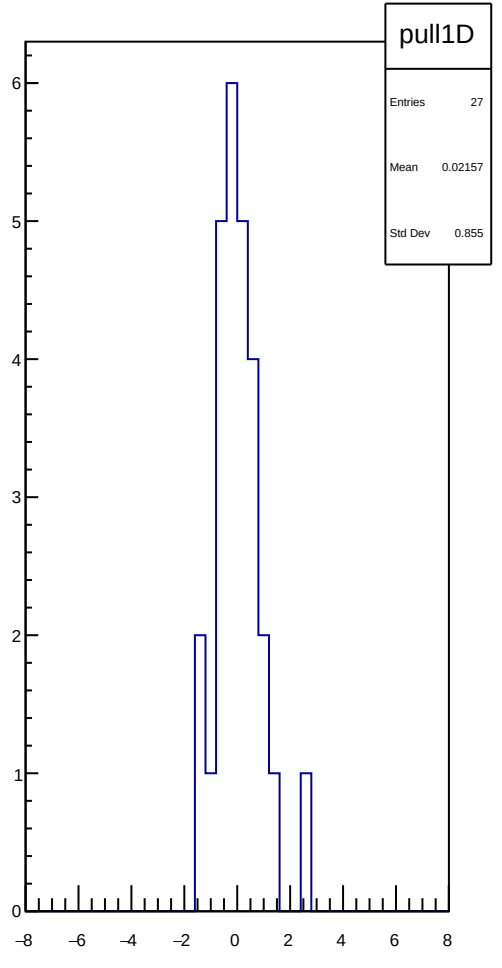

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.71e+04 / 26
p0 252.6 ± 0.3684
1000
800
600
400
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

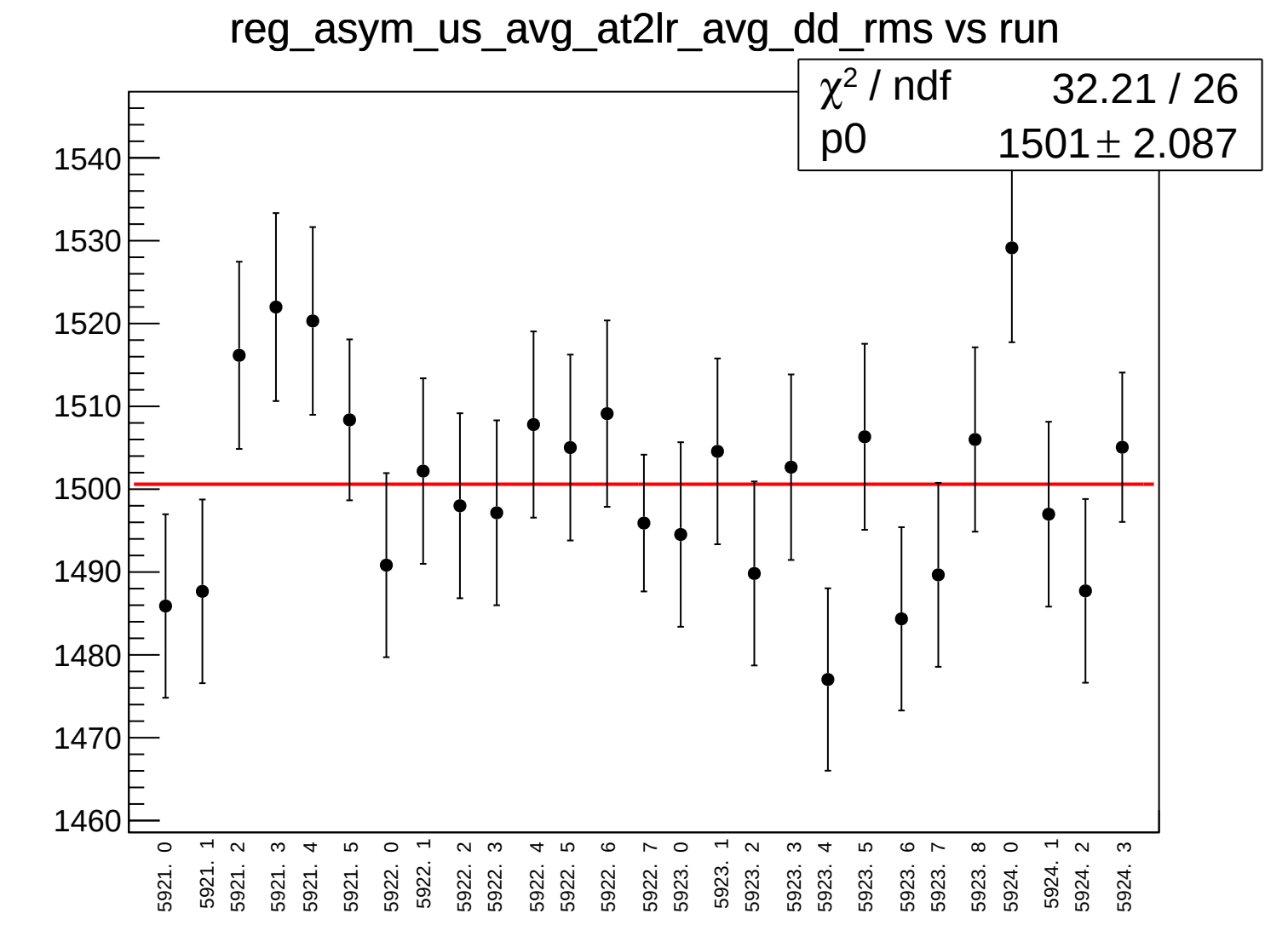

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 19.09 / 26
p0 5.5e−14 ± 6.801e−13
25
20
15
10
5
0
−5
−10
−15
−20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 115.3
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

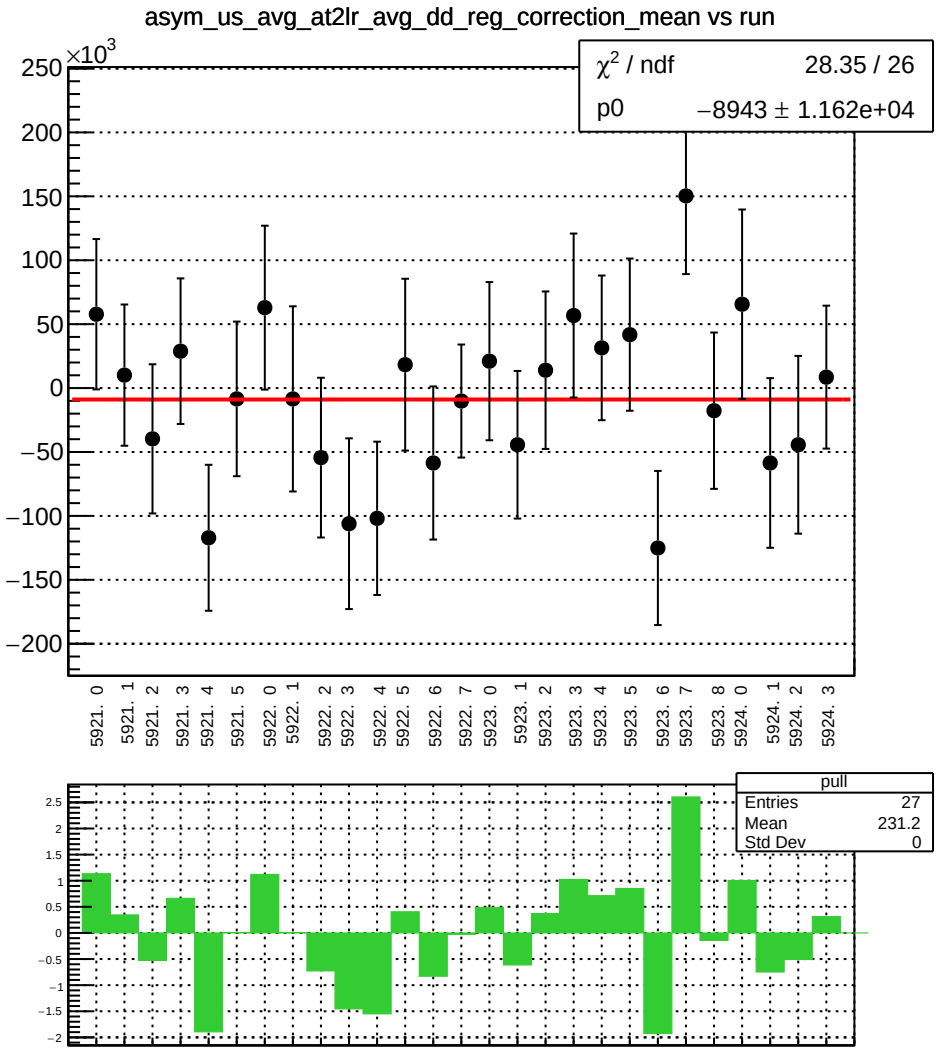

pull1D
Entries 27
Mean −0.0148
Std Dev 0.8408
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

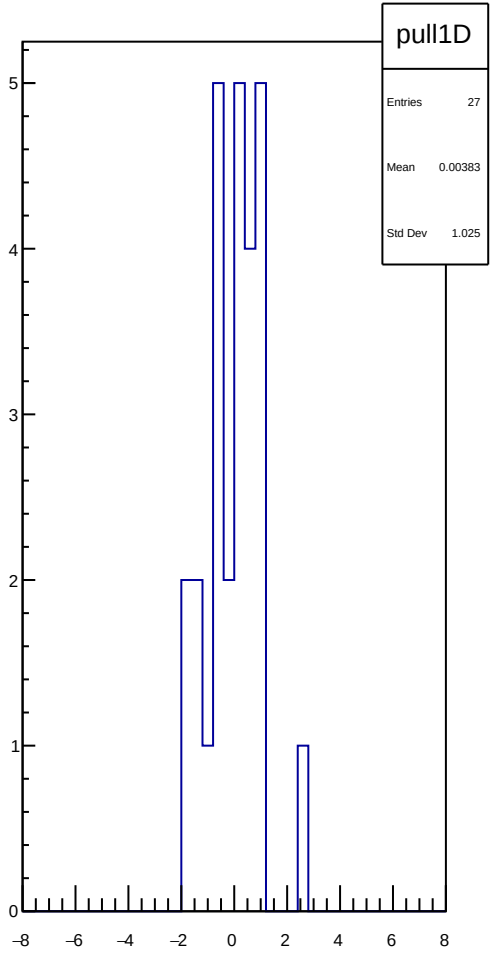

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.236e+05 / 26
p0 3.017e−10 ± 4.809e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

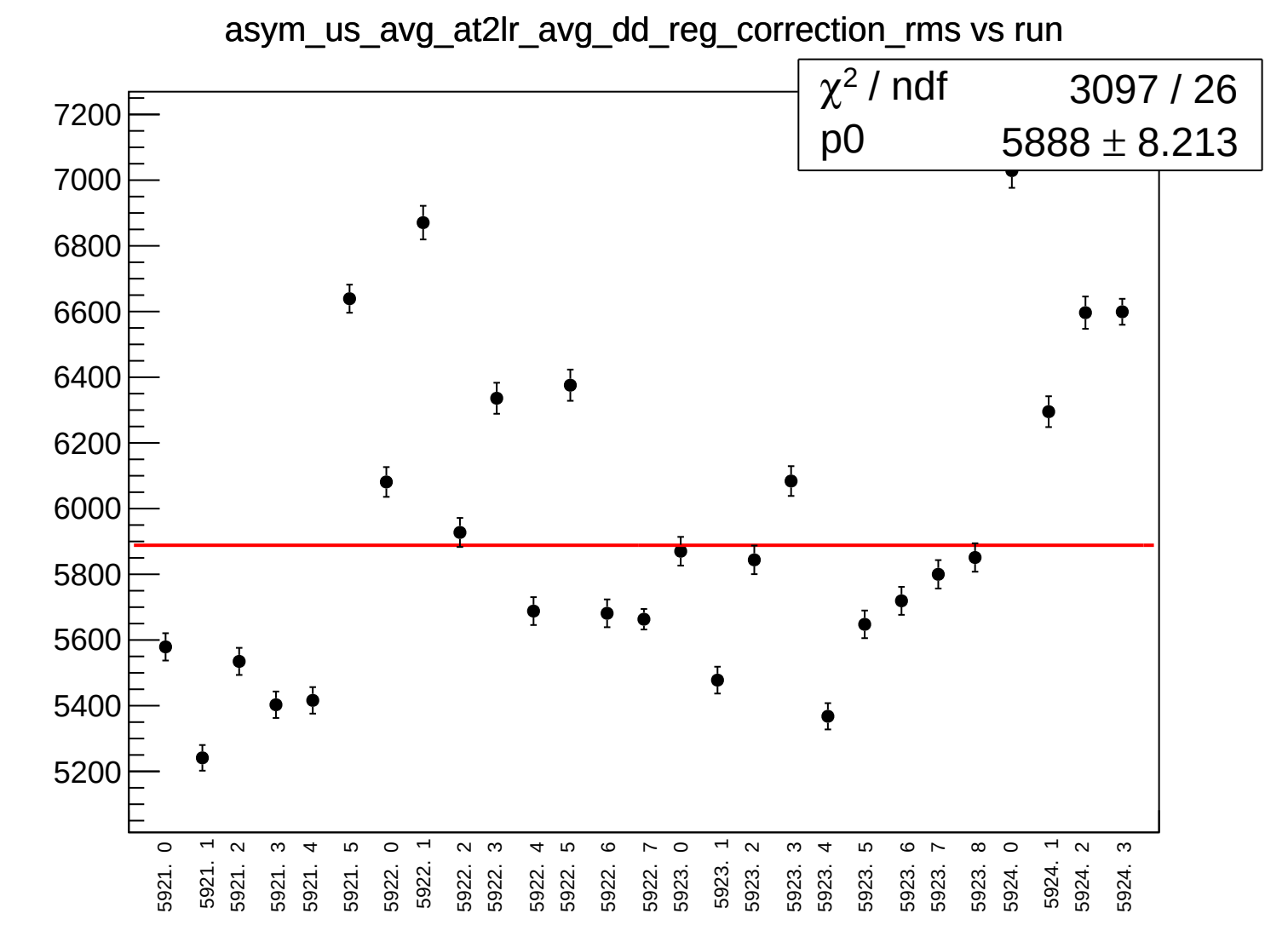

reg_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 19.75 / 26
p0 285.8 ± 2951
60000
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −95.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

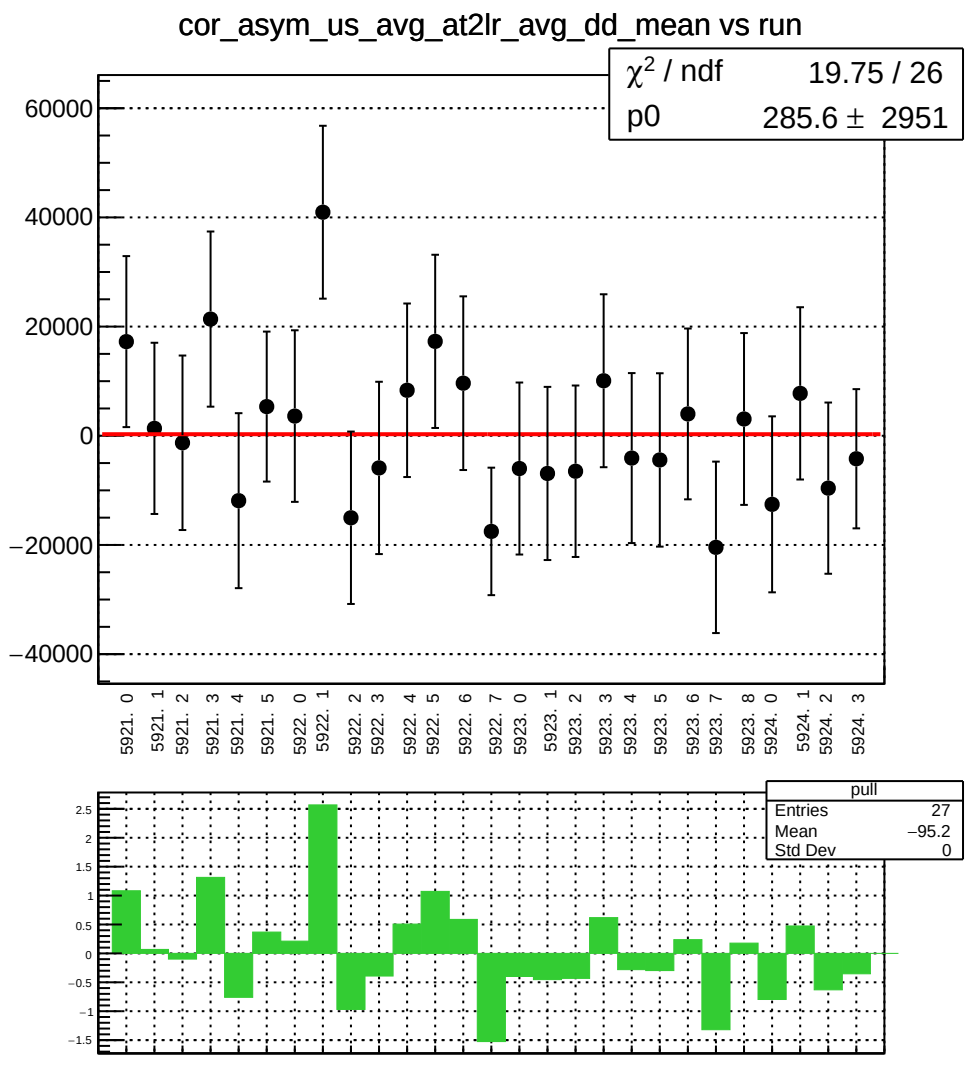

pull1D
Entries 27
Mean 0.02157
Std Dev 0.855
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

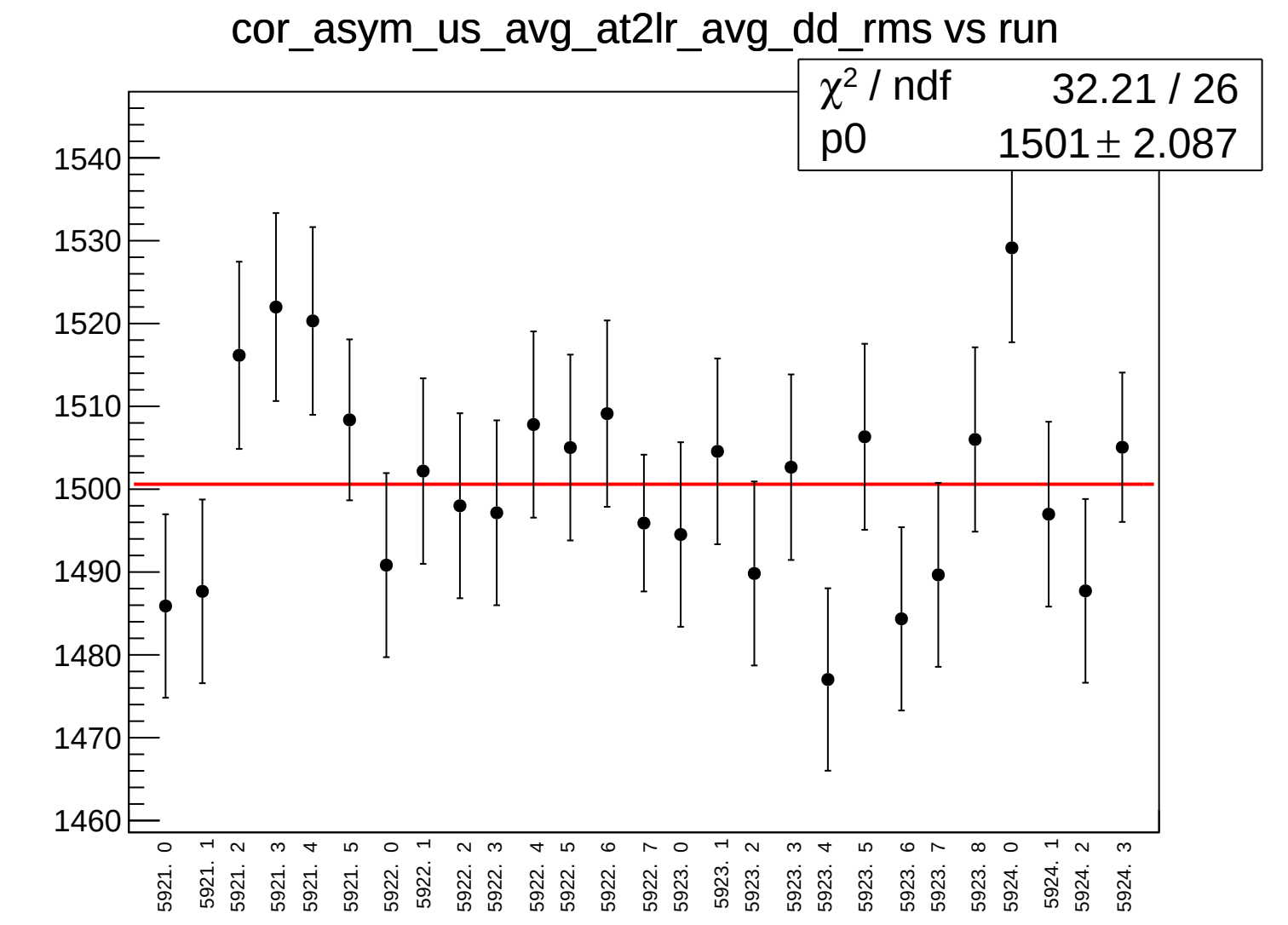

reg_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 32.21 / 26
p0 1501 ± 2.087
1540
1530
1520
1510
1500
1490
1480
1470
1460
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

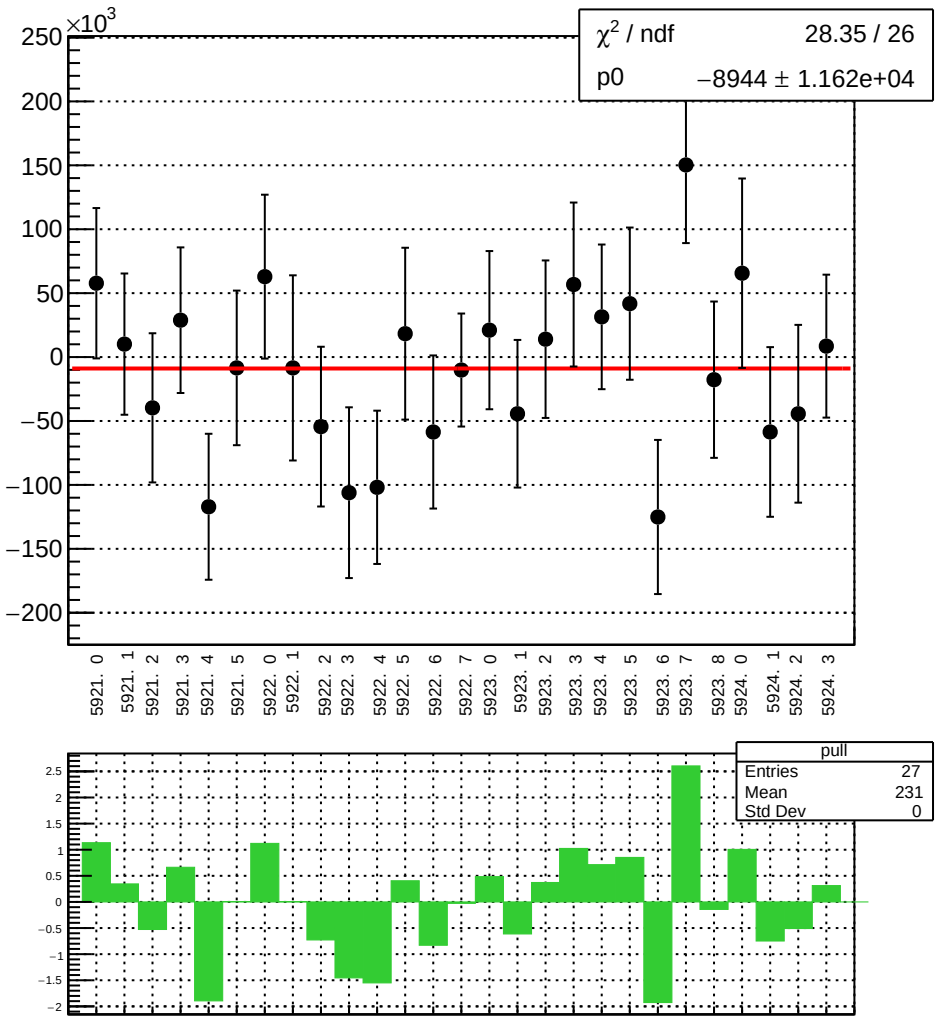

asym_us_avg_at2lr_avg_dd_reg_correction_mean vs run
×10^3
χ² / ndf 28.35 / 26
p0 −8943 ± 1.162e+04
pull
Entries 27
Mean 231.2
Std Dev 0

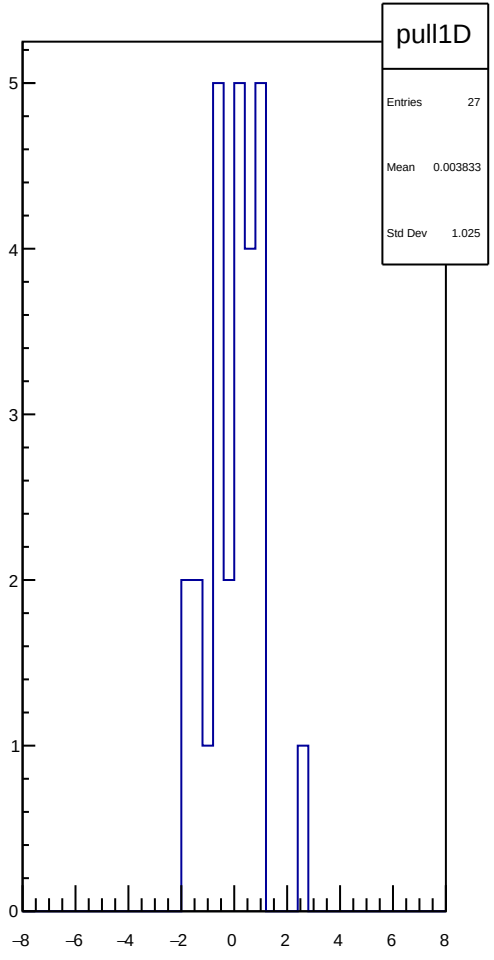

pull1D
Entries 27
Mean 0.00383
Std Dev 1.025

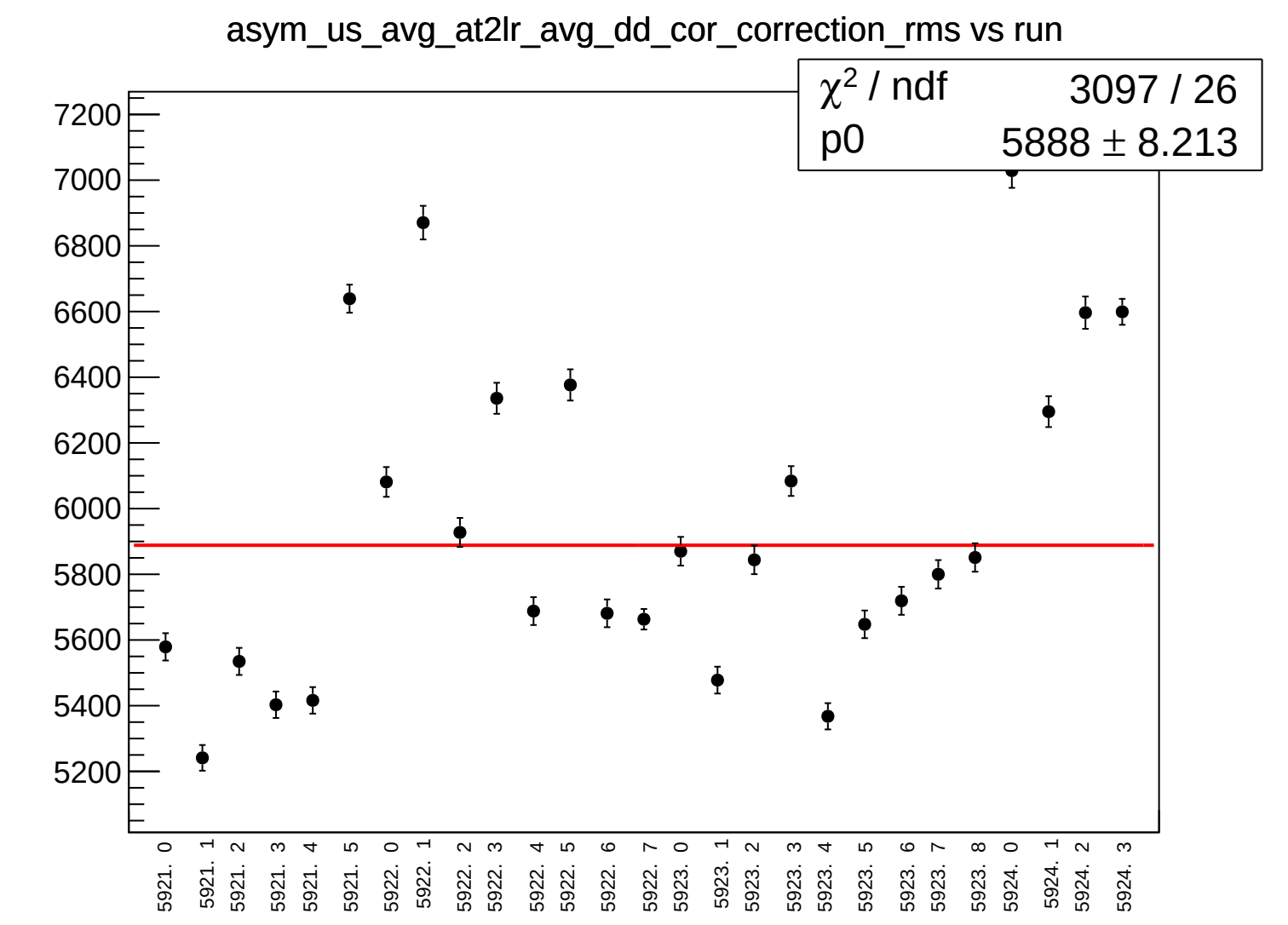

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs run
χ² / ndf 3097 / 26
p0 5888 ± 8.213
7200
7000
6800
6600
6400
6200
6000
5800
5600
5400
5200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

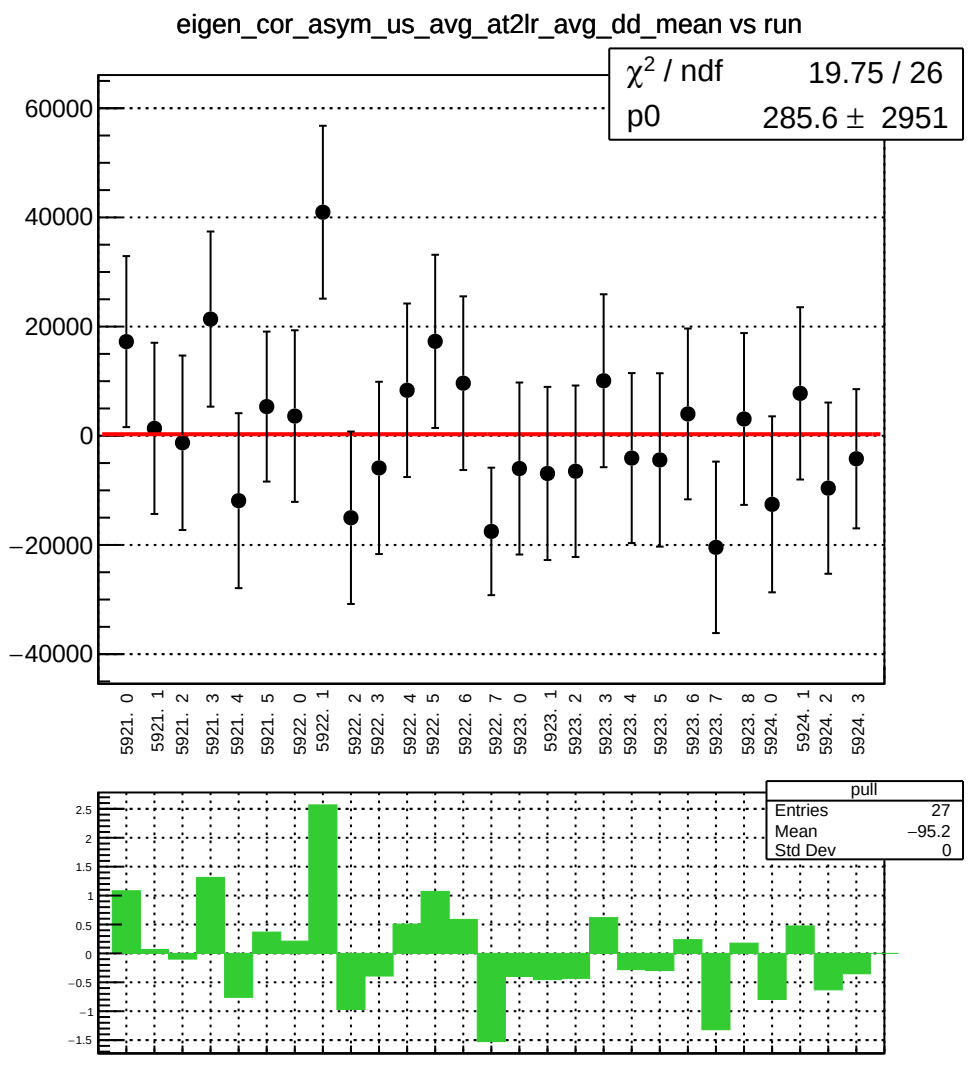

cor_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 19.75 / 26
p0 285.6 ± 2951
60000
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −95.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.02157
Std Dev 0.8549
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

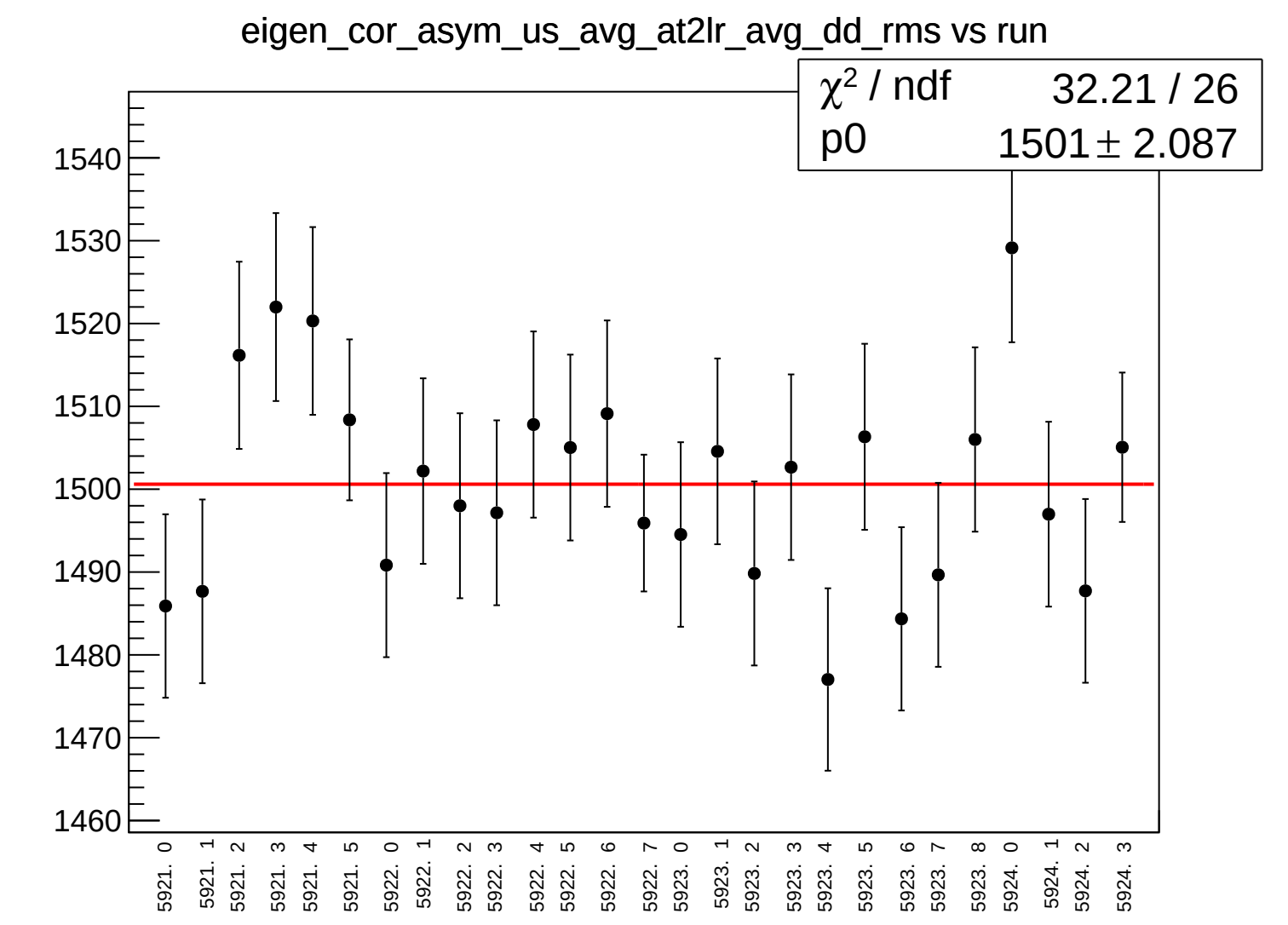

cor_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 32.21 / 26
p0 1501 ± 2.087
1540
1530
1520
1510
1500
1490
1480
1470
1460
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

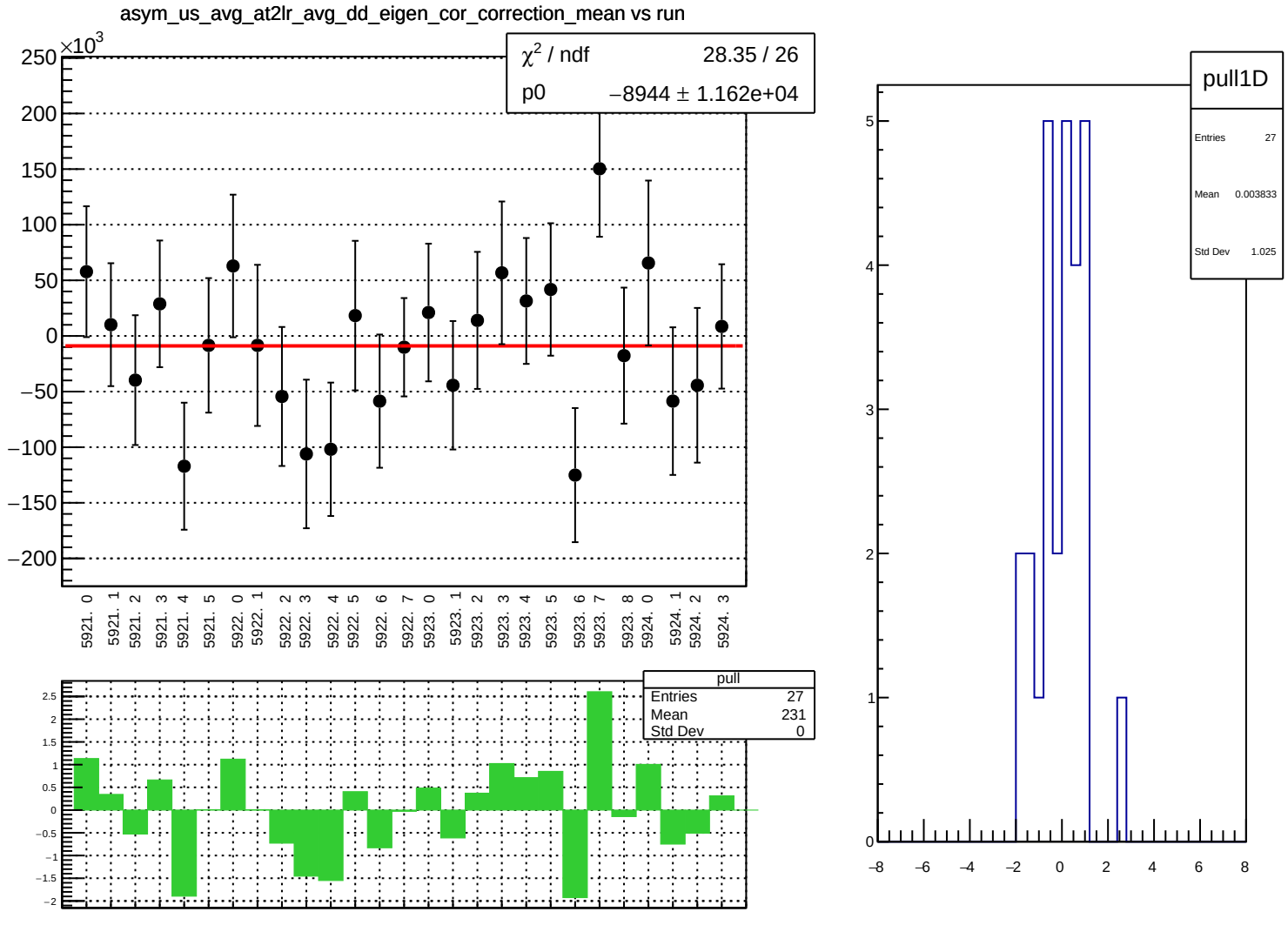

asym_us_avg_at2lr_avg_dd_cor_correction_mean vs run
χ² / ndf 28.35 / 26
p0 −8944 ± 1.162e+04
×10³
pull
Entries 27
Mean 231
Std Dev 0

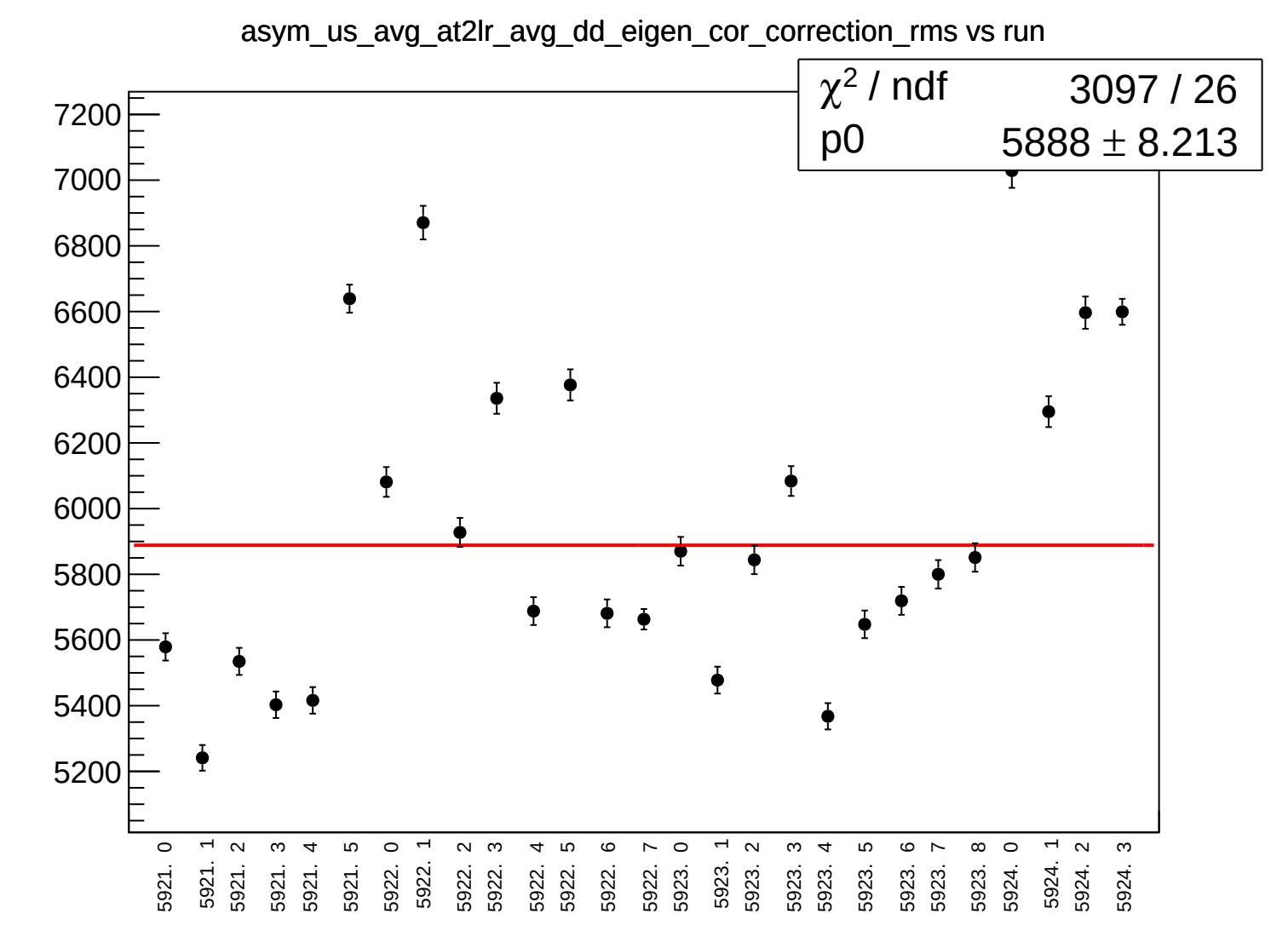

pull1D
Entries 27
Mean 0.003833
Std Dev 1.025

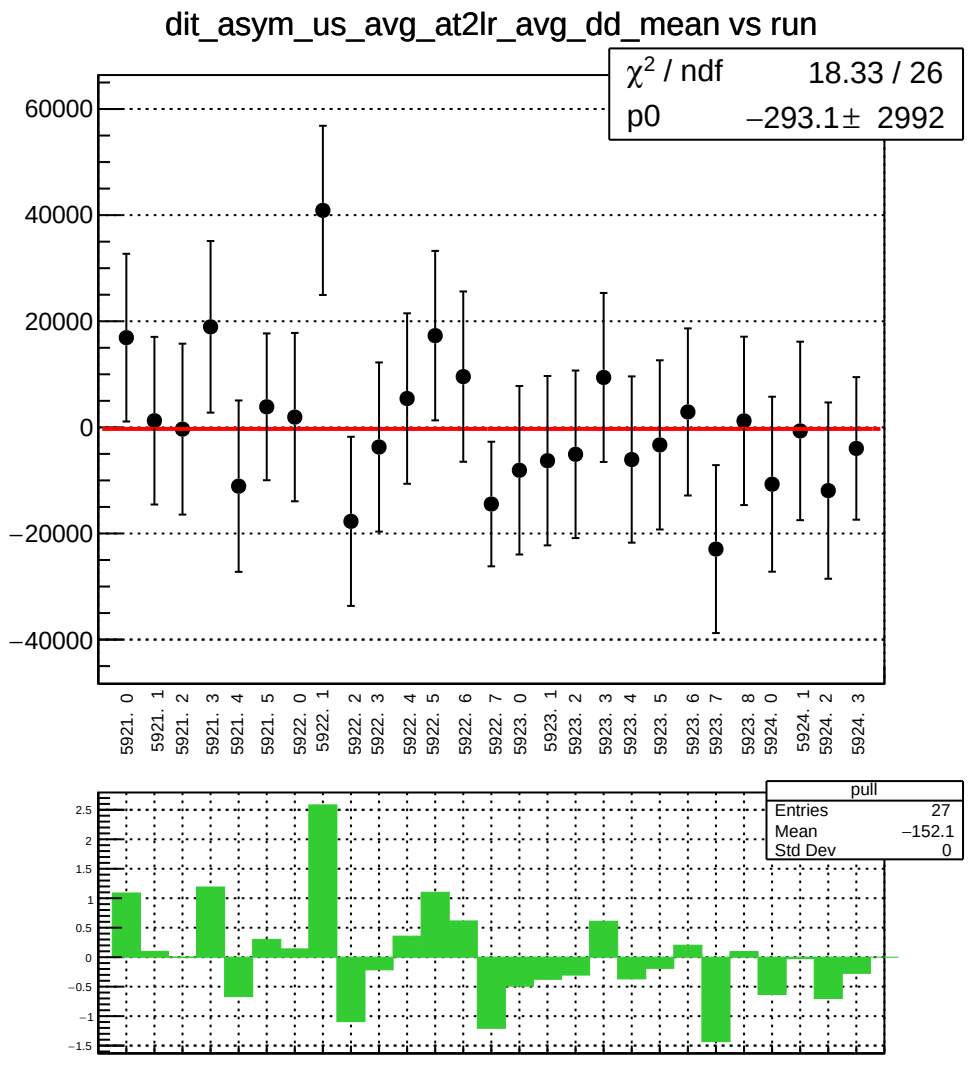

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs run
χ² / ndf 3097 / 26
p0 5888 ± 8.213
7200
7000
6800
6600
6400
6200
6000
5800
5600
5400
5200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

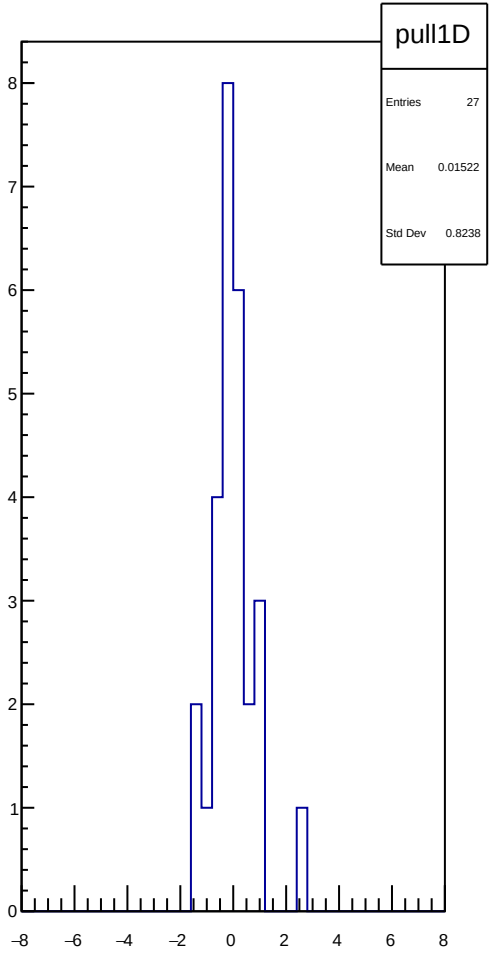

eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 19.75 / 26
p0 285.6 ± 2951
60000
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −95.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.02157
Std Dev 0.8549
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

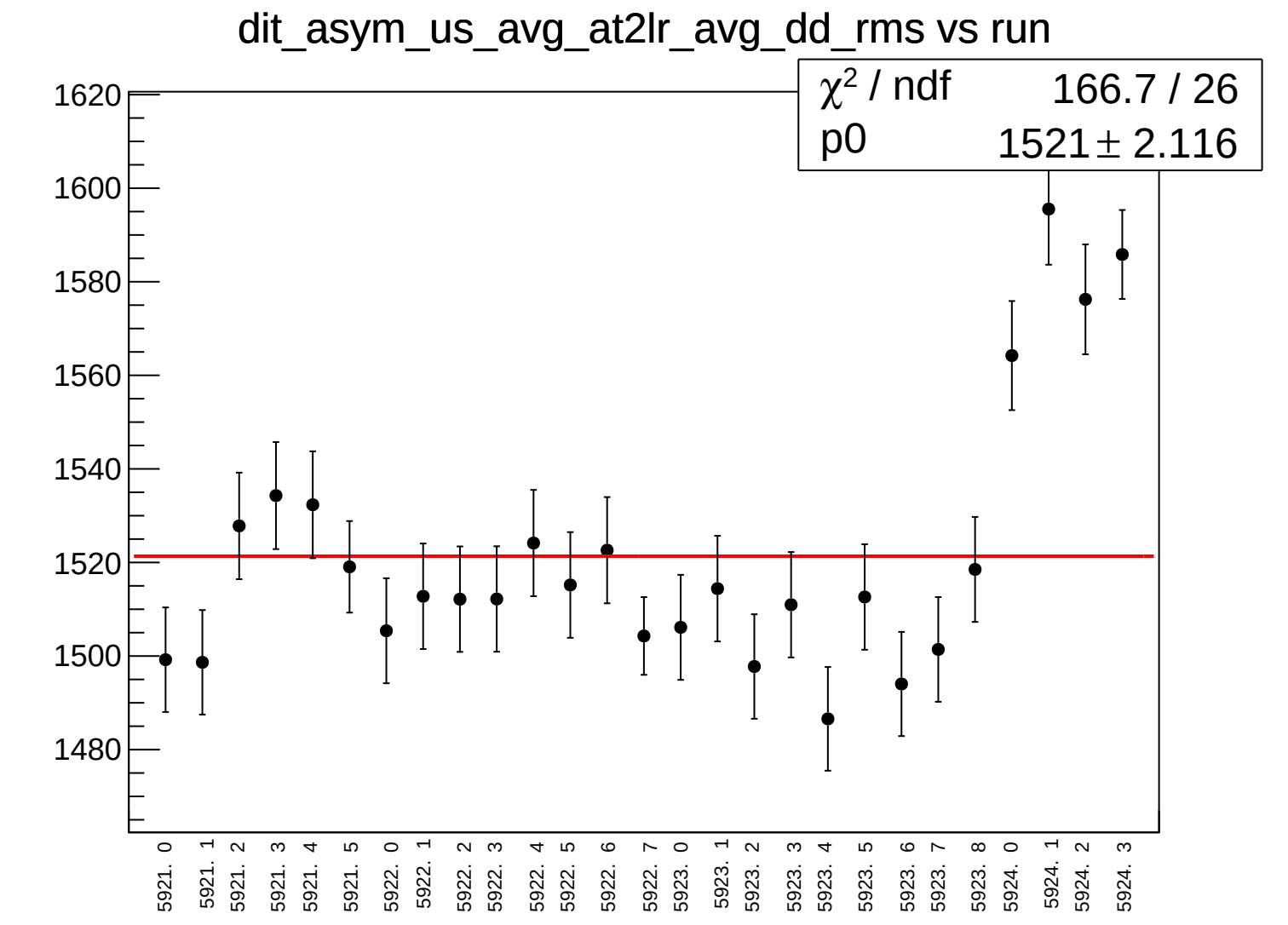

eigen_cor_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 32.21 / 26
p0 1501 ± 2.087
1540
1530
1520
1510
1500
1490
1480
1470
1460
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

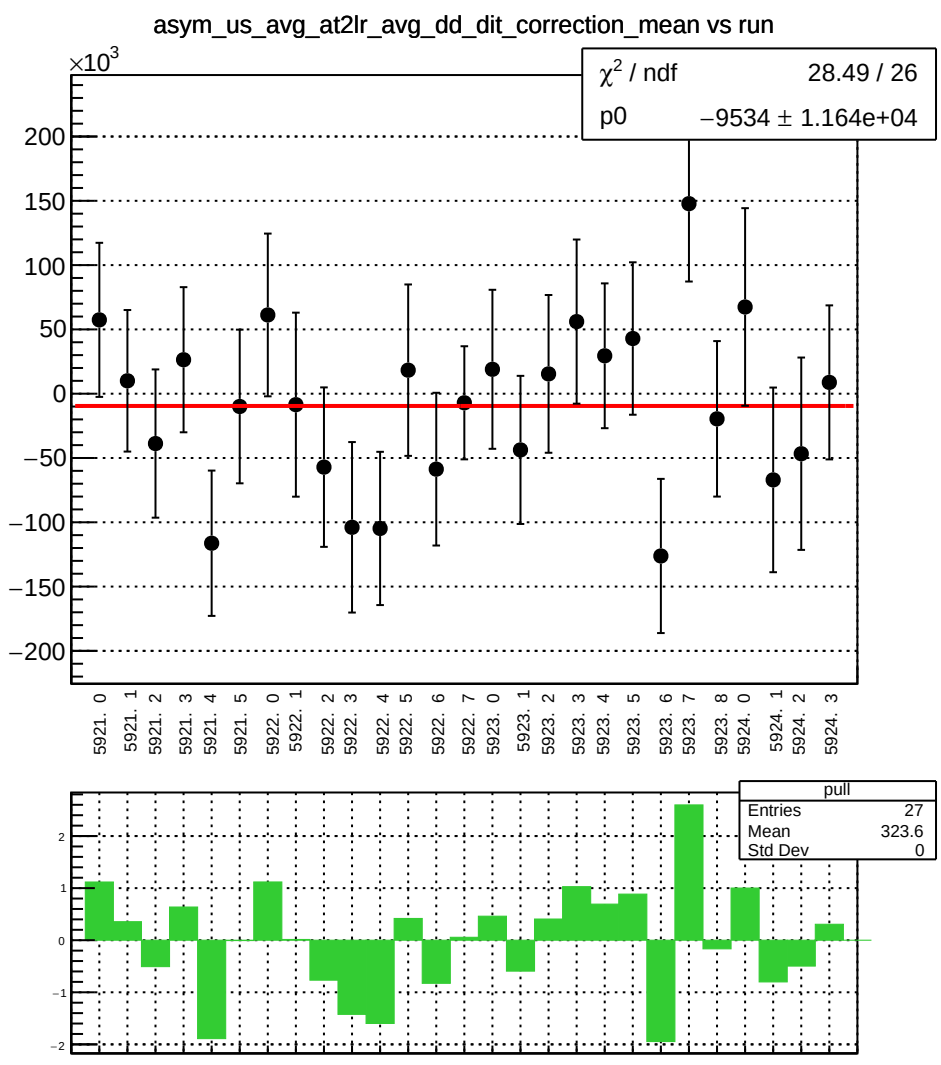

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 28.35 / 26
p0 −8944 ± 1.162e+04
250
200
150
100
50
0
−50
−100
−150
−200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 231
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean 0.003833
Std Dev 1.025
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

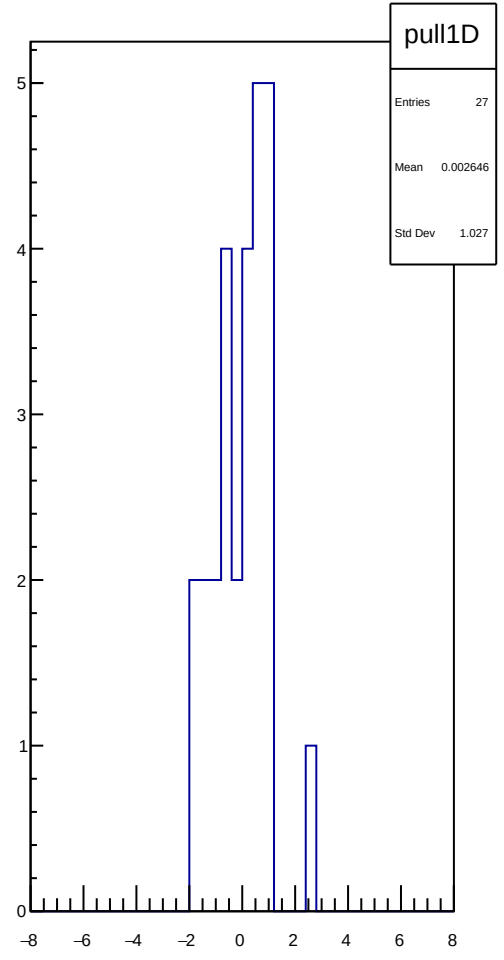

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 3097 / 26
p0 5888 ± 8.213
7200
7000
6800
6600
6400
6200
6000
5800
5600
5400
5200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

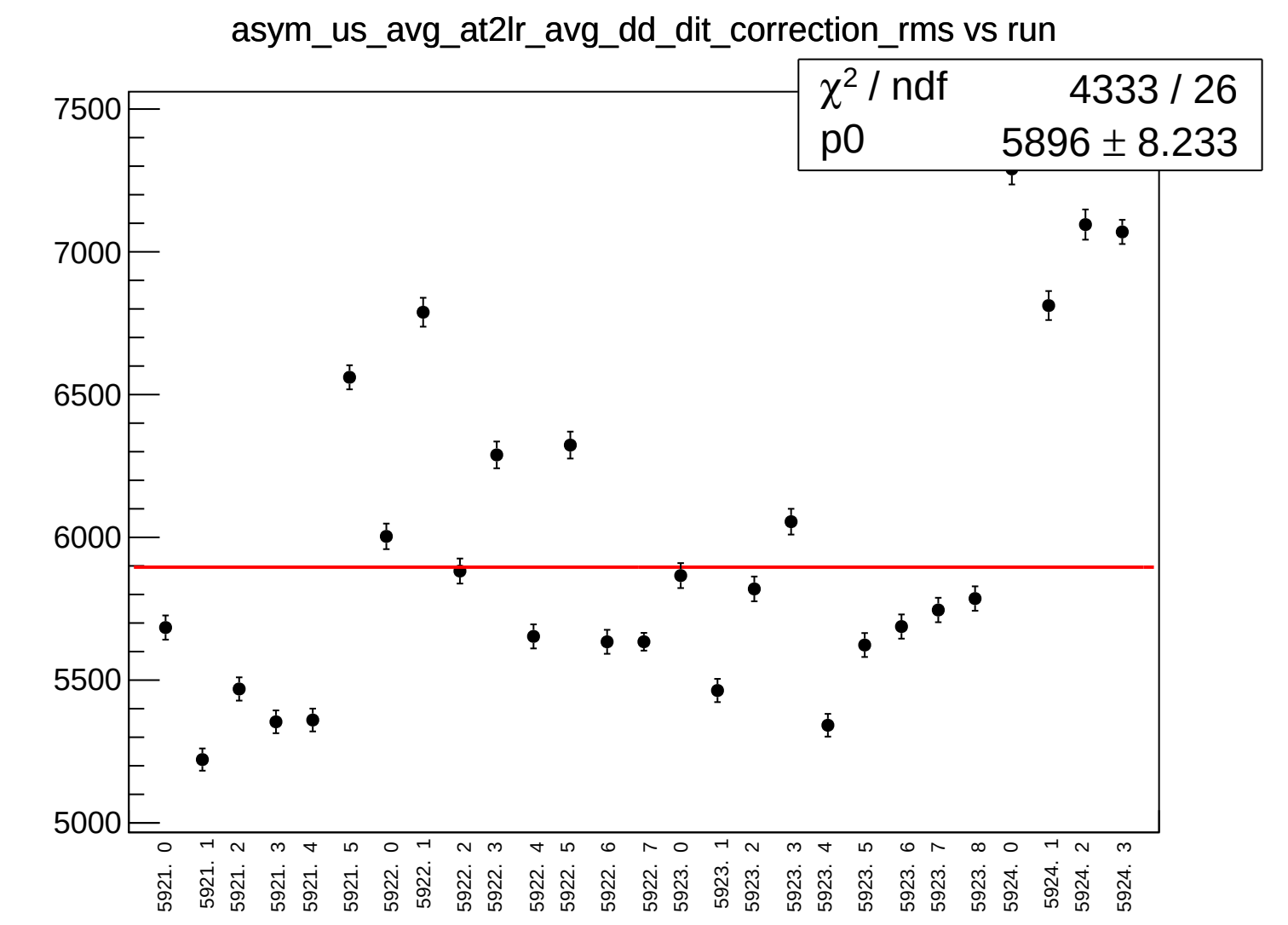

dit_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 18.33 / 26
p0 −293.1± 2992
60000
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −152.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

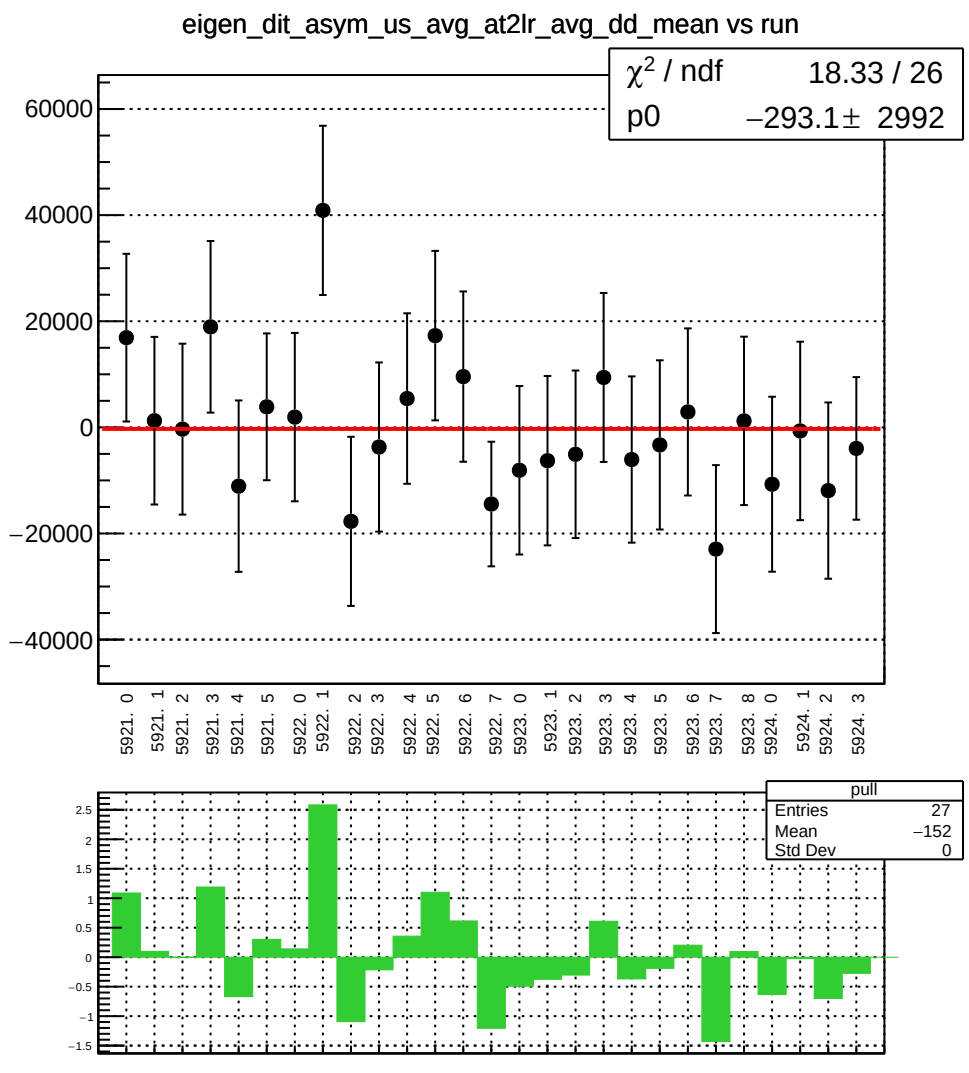

pull1D
Entries 27
Mean 0.01522
Std Dev 0.8238
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

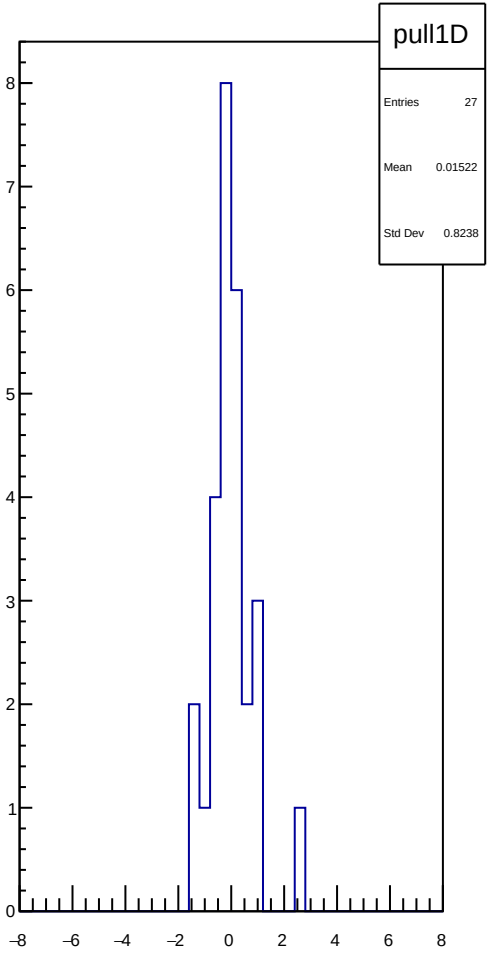

dit_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 166.7 / 26
p0 1521 ± 2.116
1620
1600
1580
1560
1540
1520
1500
1480
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

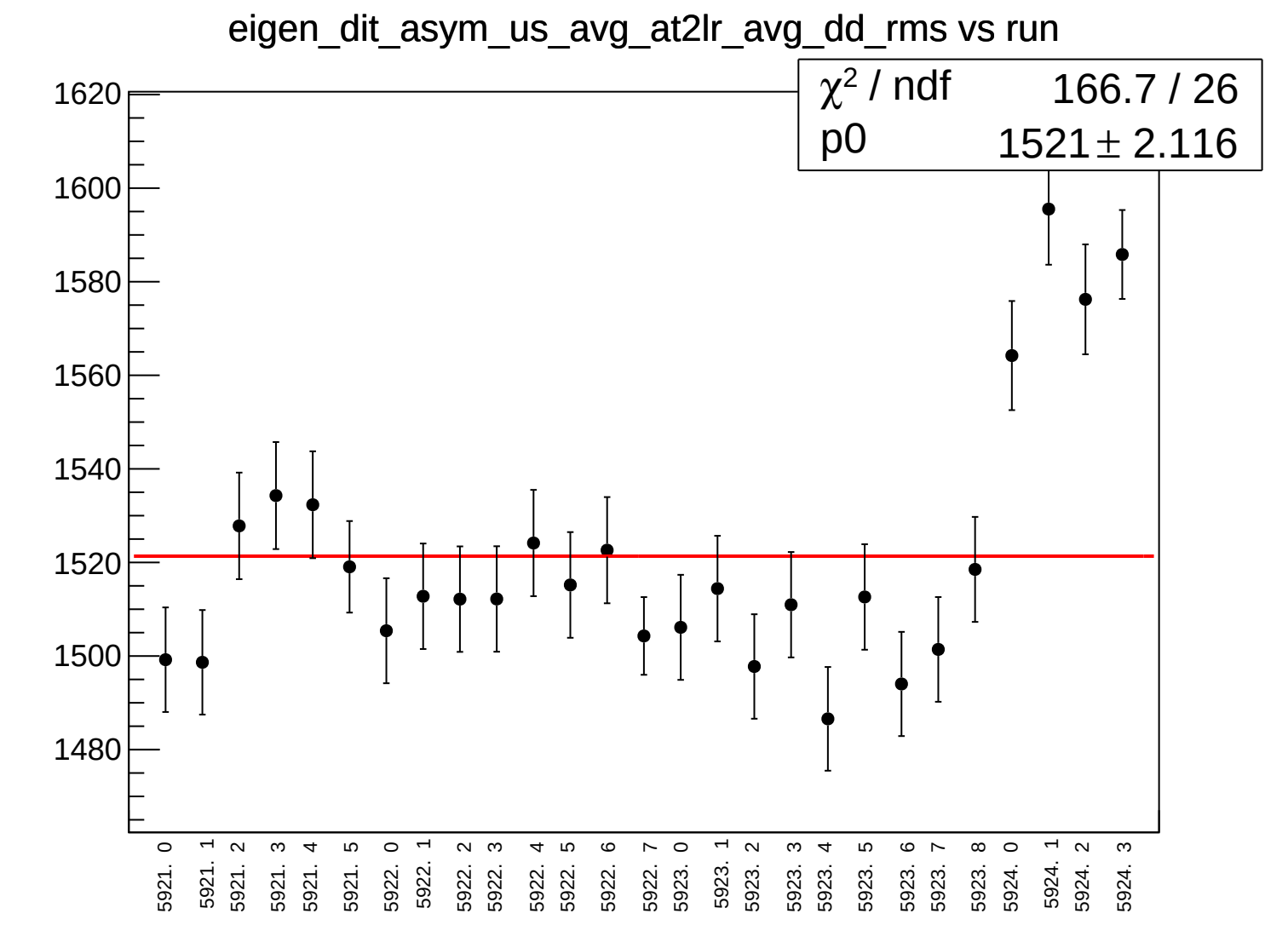

asym_us_avg_at2lr_avg_dd_dit_correction_mean vs run
×10^3
χ² / ndf 28.49 / 26
p0 −9534 ± 1.164e+04
200
150
100
50
0
−50
−100
−150
−200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 323.6
Std Dev 0
2
1
0
−1
−2

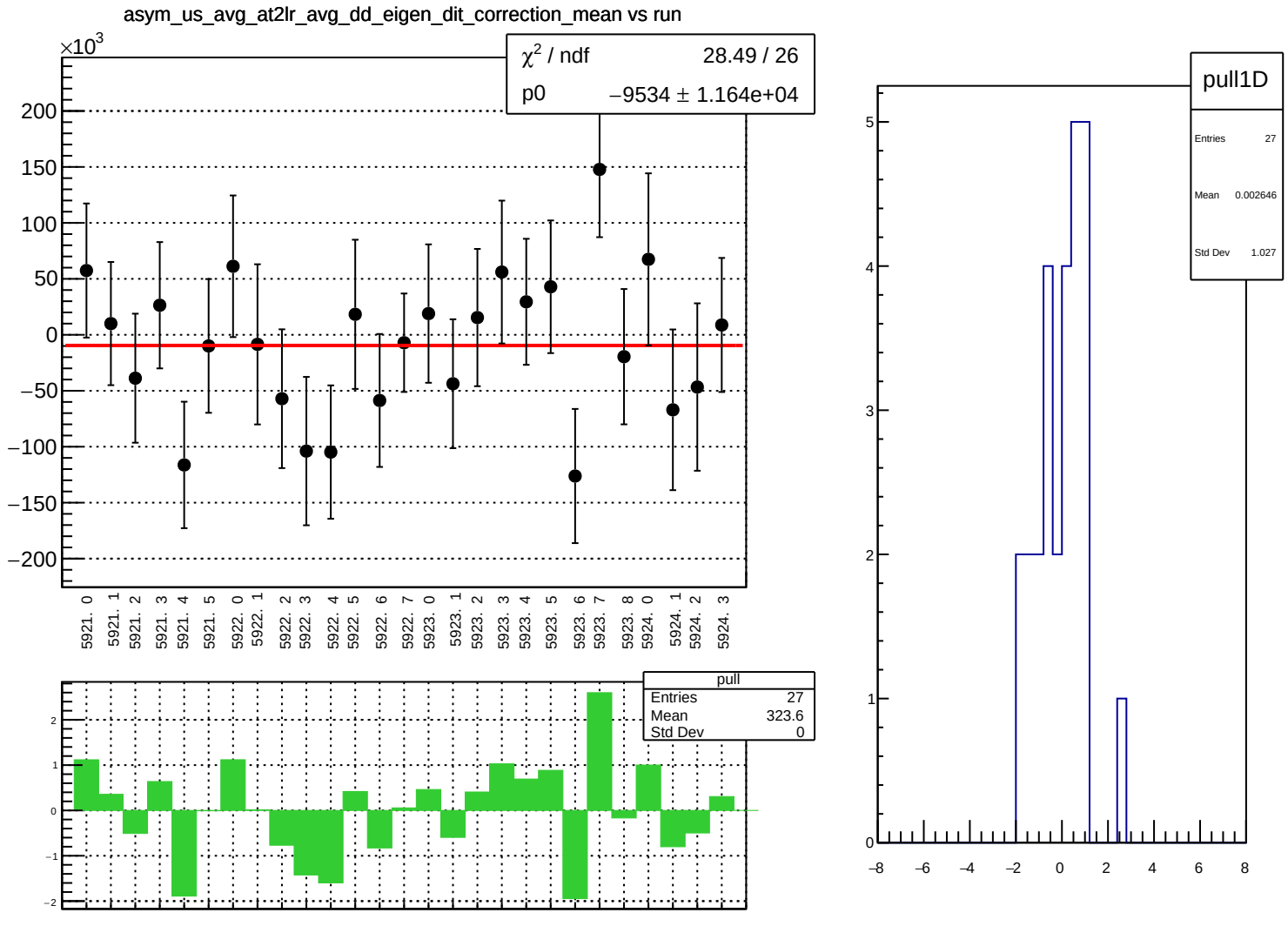

pull1D
Entries 27
Mean 0.002646
Std Dev 1.027
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

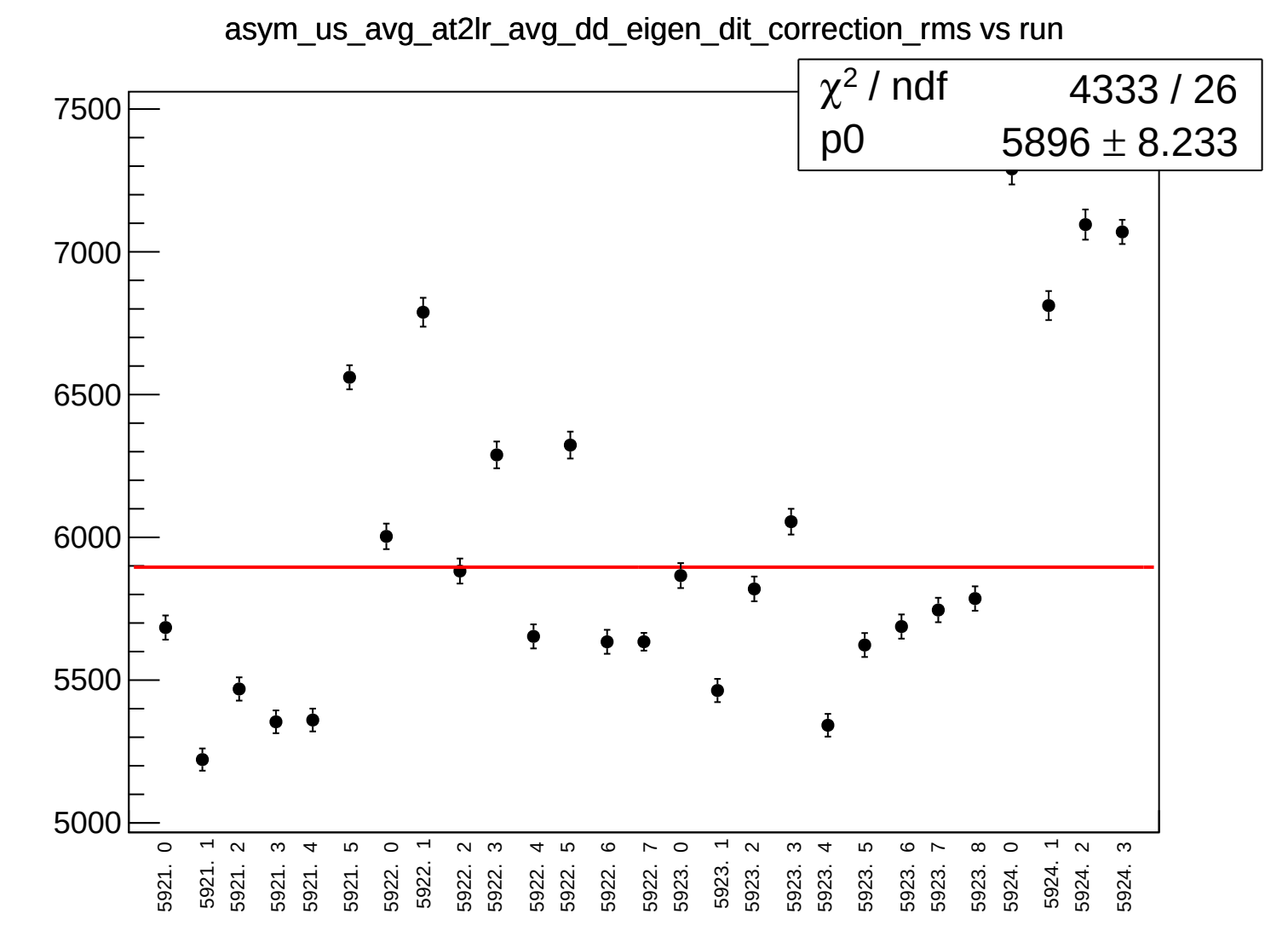

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs run
χ² / ndf 4333 / 26
p0 5896 ± 8.233
7500
7000
6500
6000
5500
5000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

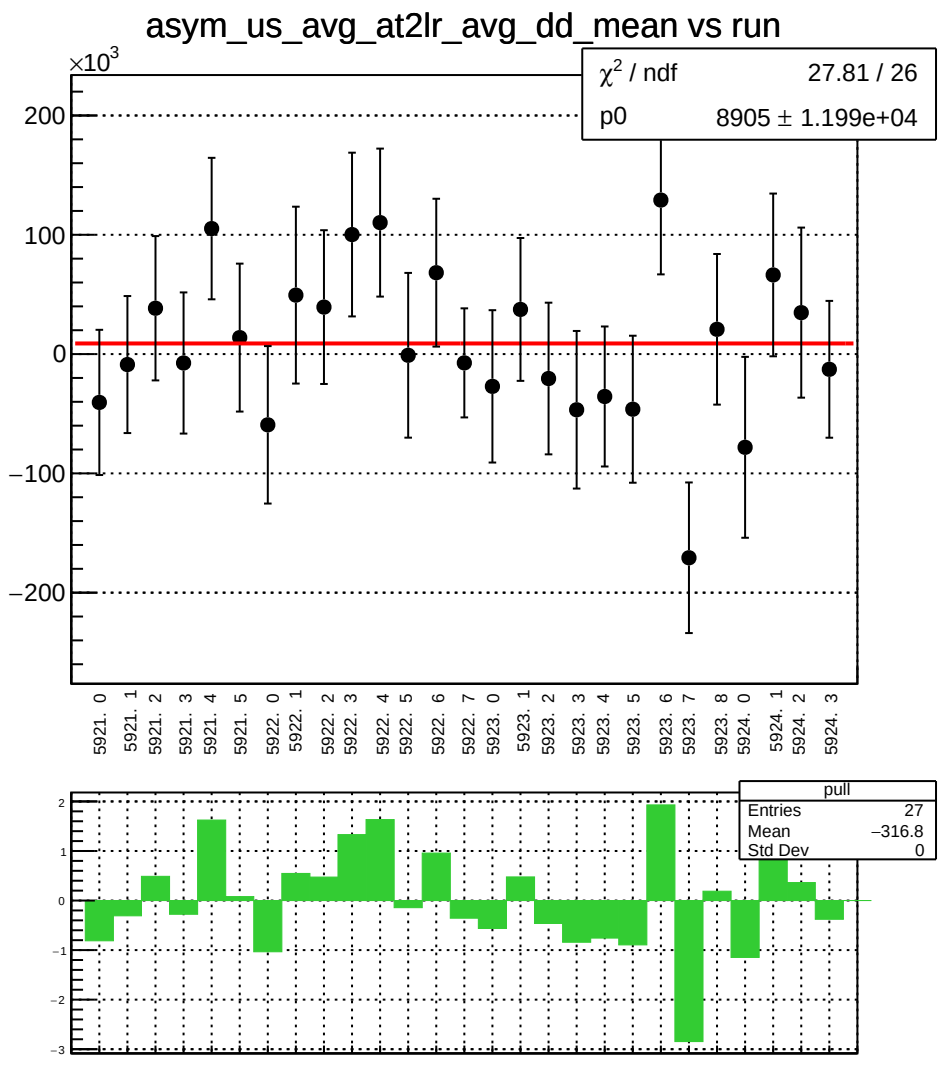

eigen_dit_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 18.33 / 26
p0 −293.1± 2992
60000
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −152
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

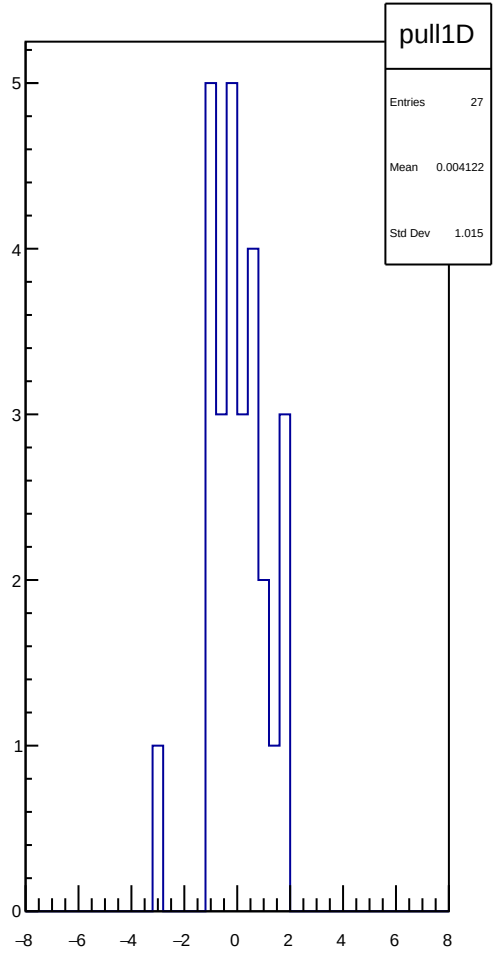

pull1D
Entries 27
Mean 0.01522
Std Dev 0.8238
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

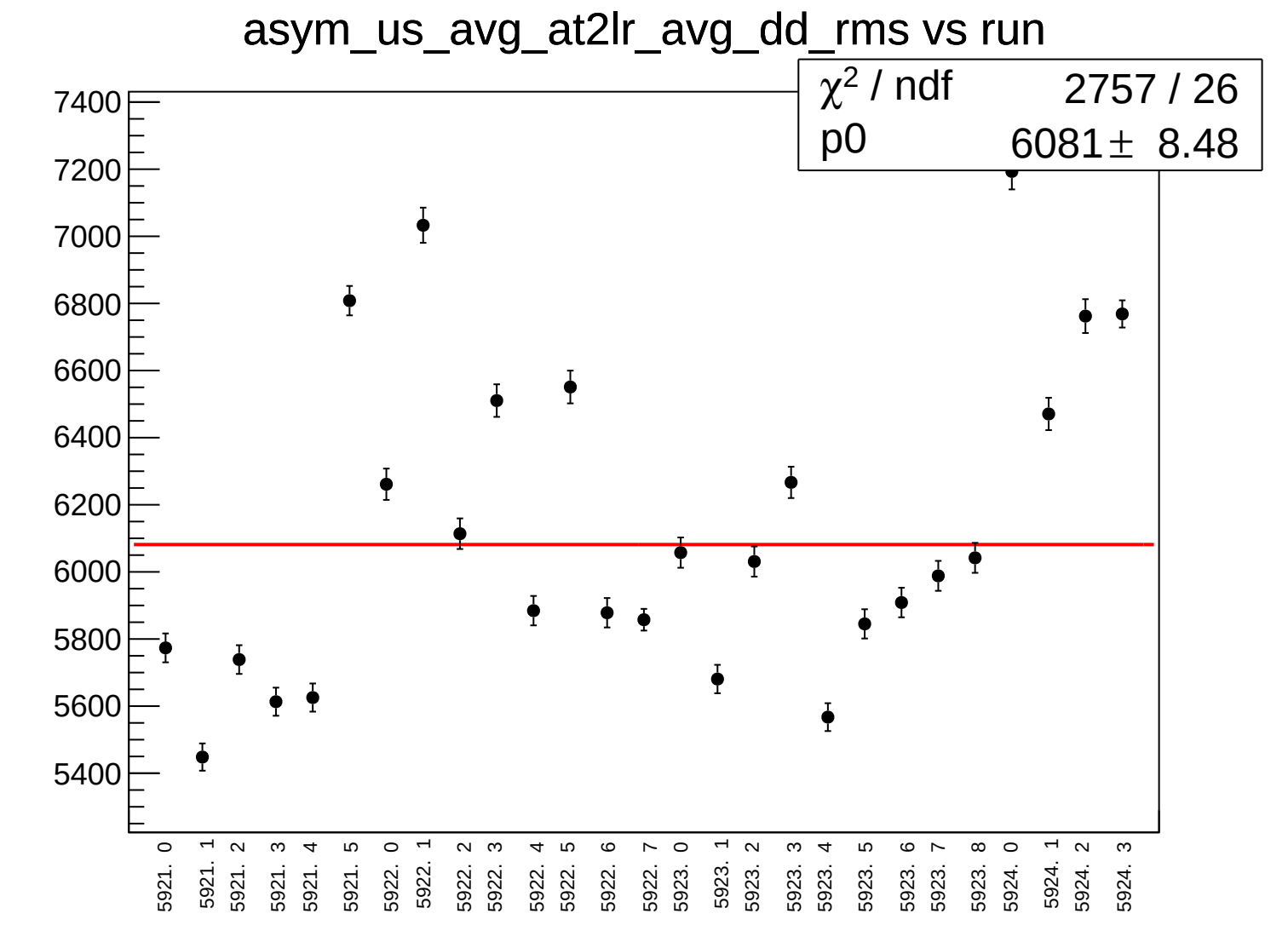

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 166.7 / 26
p0 1521 ± 2.116
1620
1600
1580
1560
1540
1520
1500
1480
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

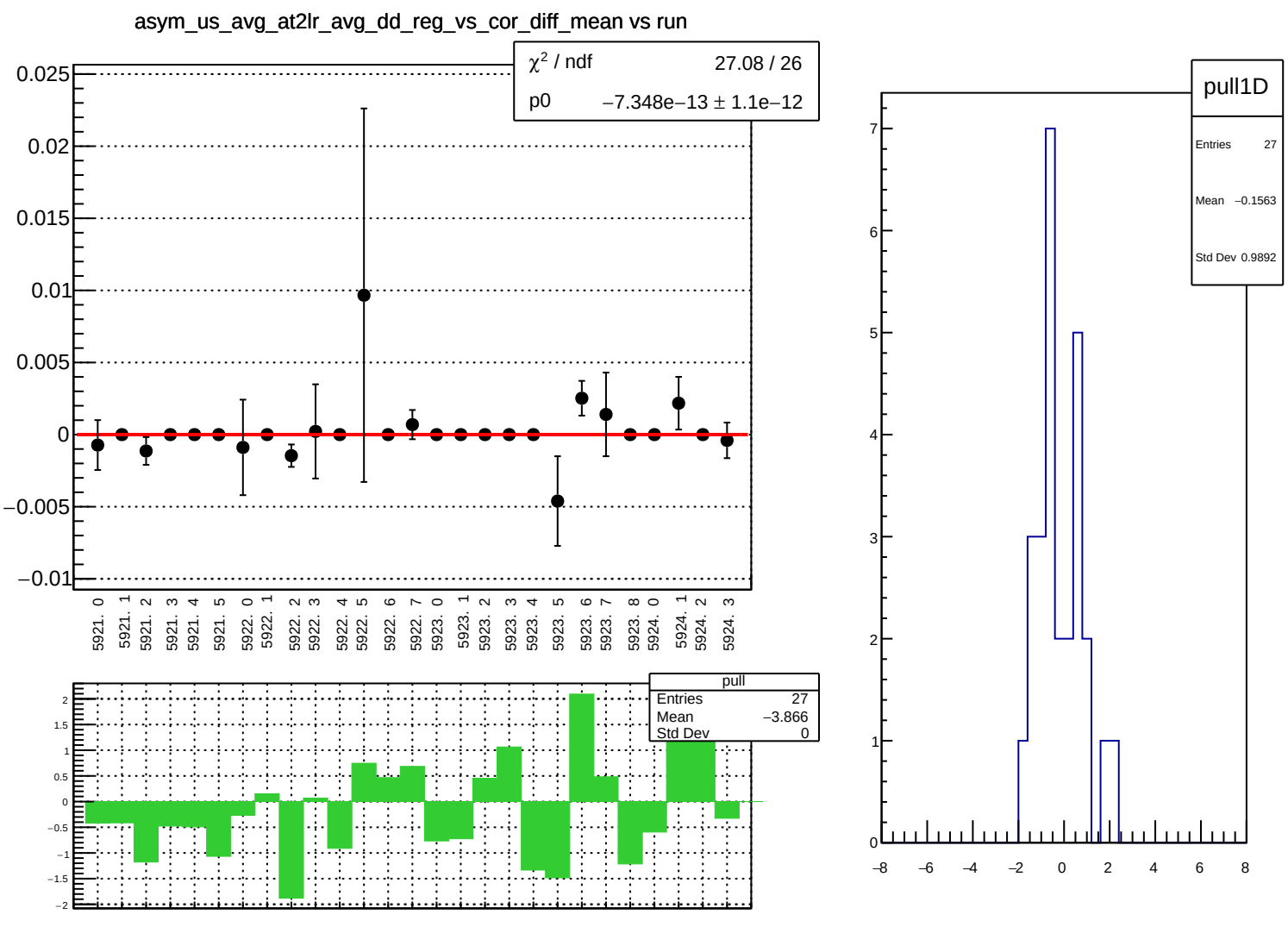

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 28.49 / 26
p0 −9534 ± 1.164e+04
200
150
100
50
0
−50
−100
−150
−200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 323.6
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.002646
Std Dev 1.027
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

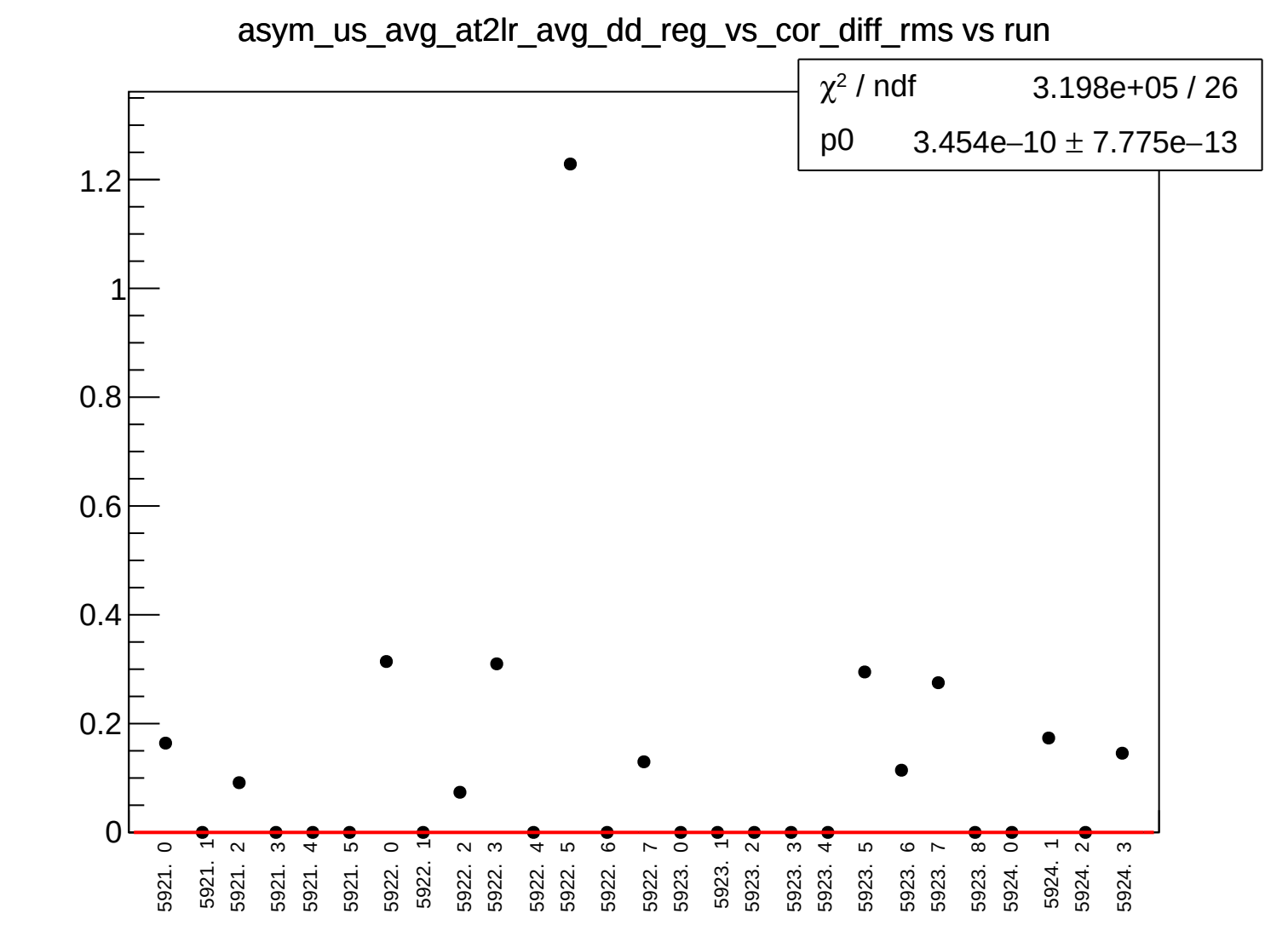

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 4333 / 26
p0 5896 ± 8.233
7500
7000
6500
6000
5500
5000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

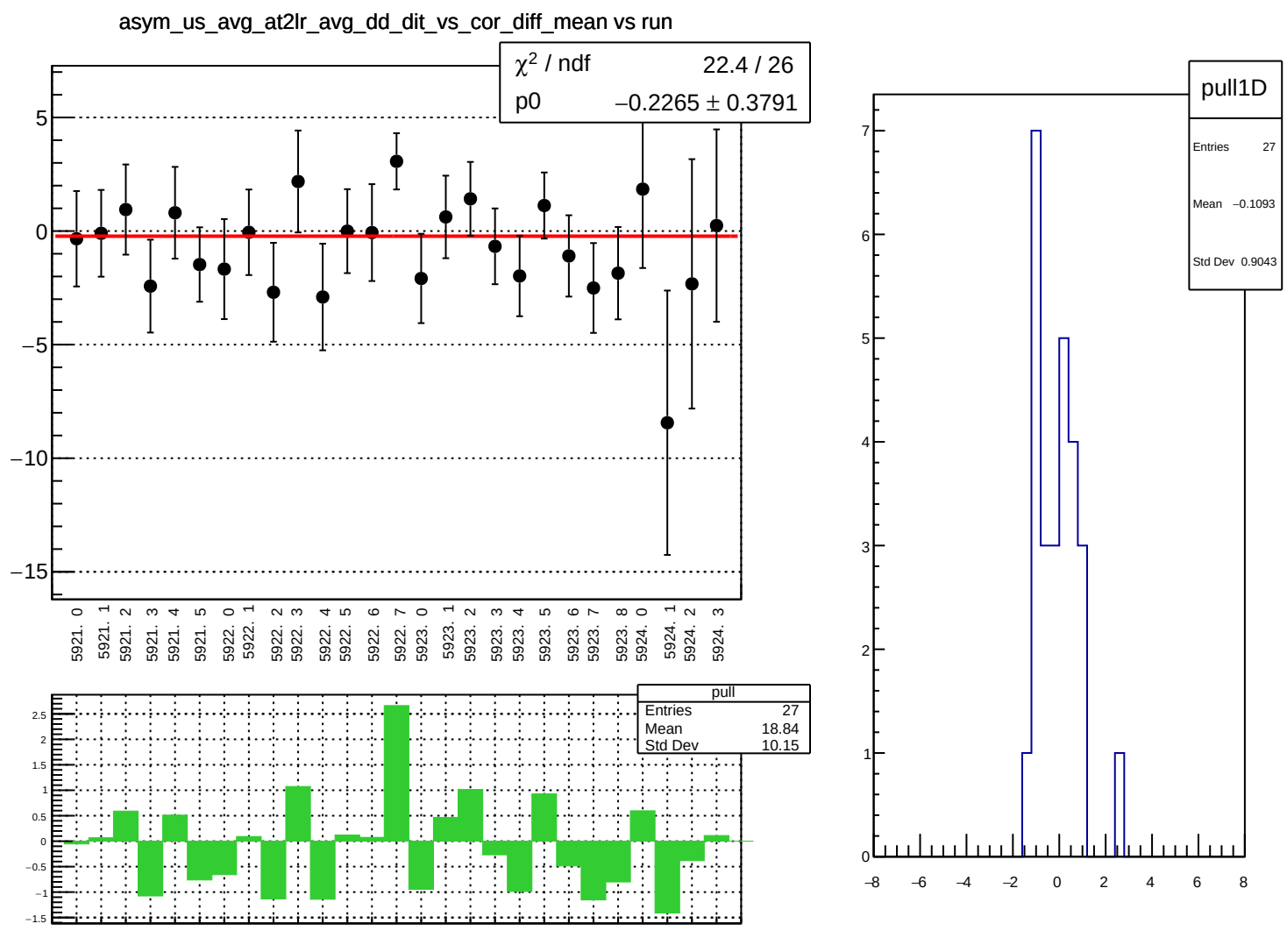

asym_us_avg_at2lr_avg_dd_mean vs run
×10^3
χ² / ndf 27.81 / 26
p0 8905 ± 1.199e+04
200
100
0
−100
−200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −316.8
Std Dev 0
2
1
0
−1
−2
−3

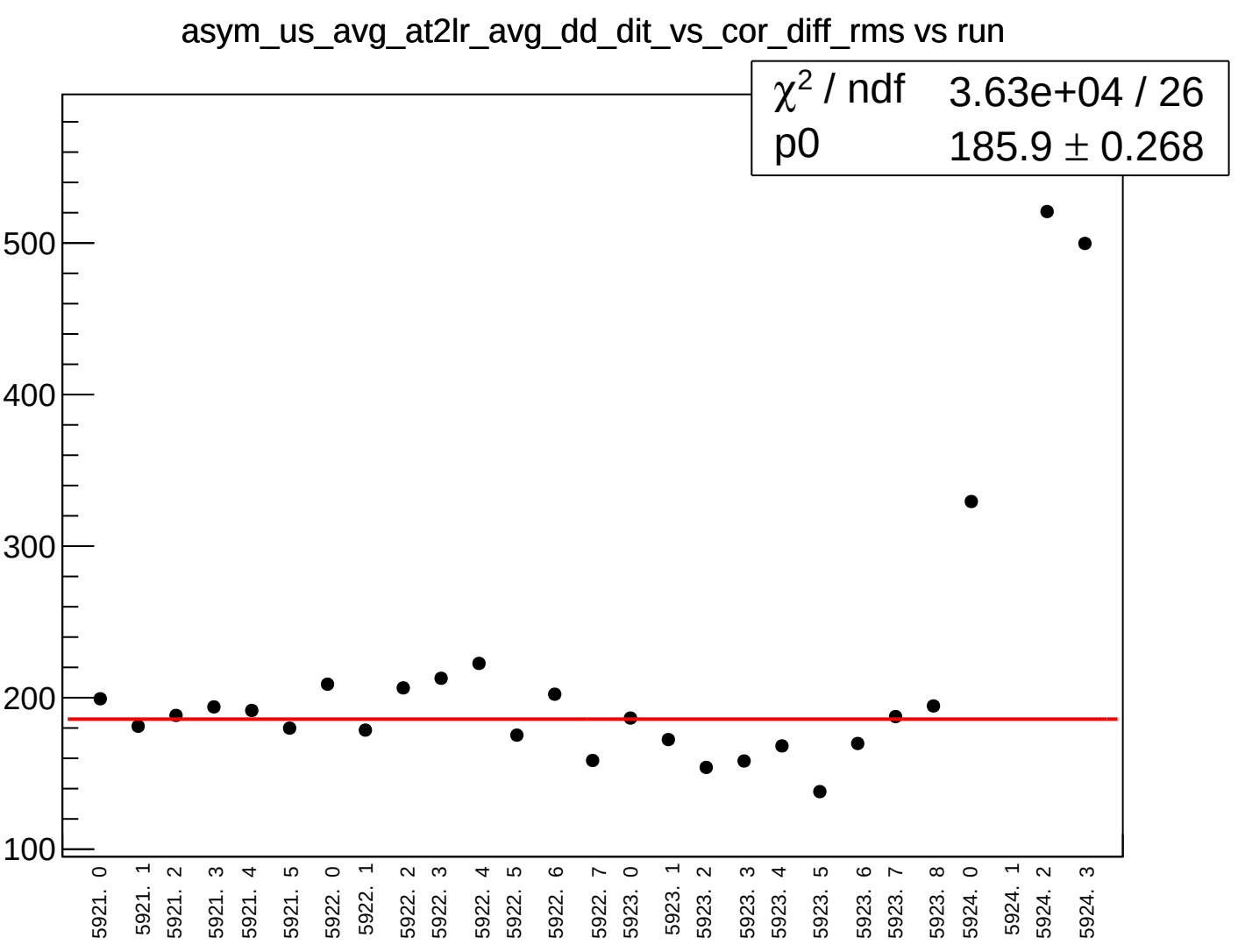

pull1D
Entries 27
Mean 0.004122
Std Dev 1.015
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

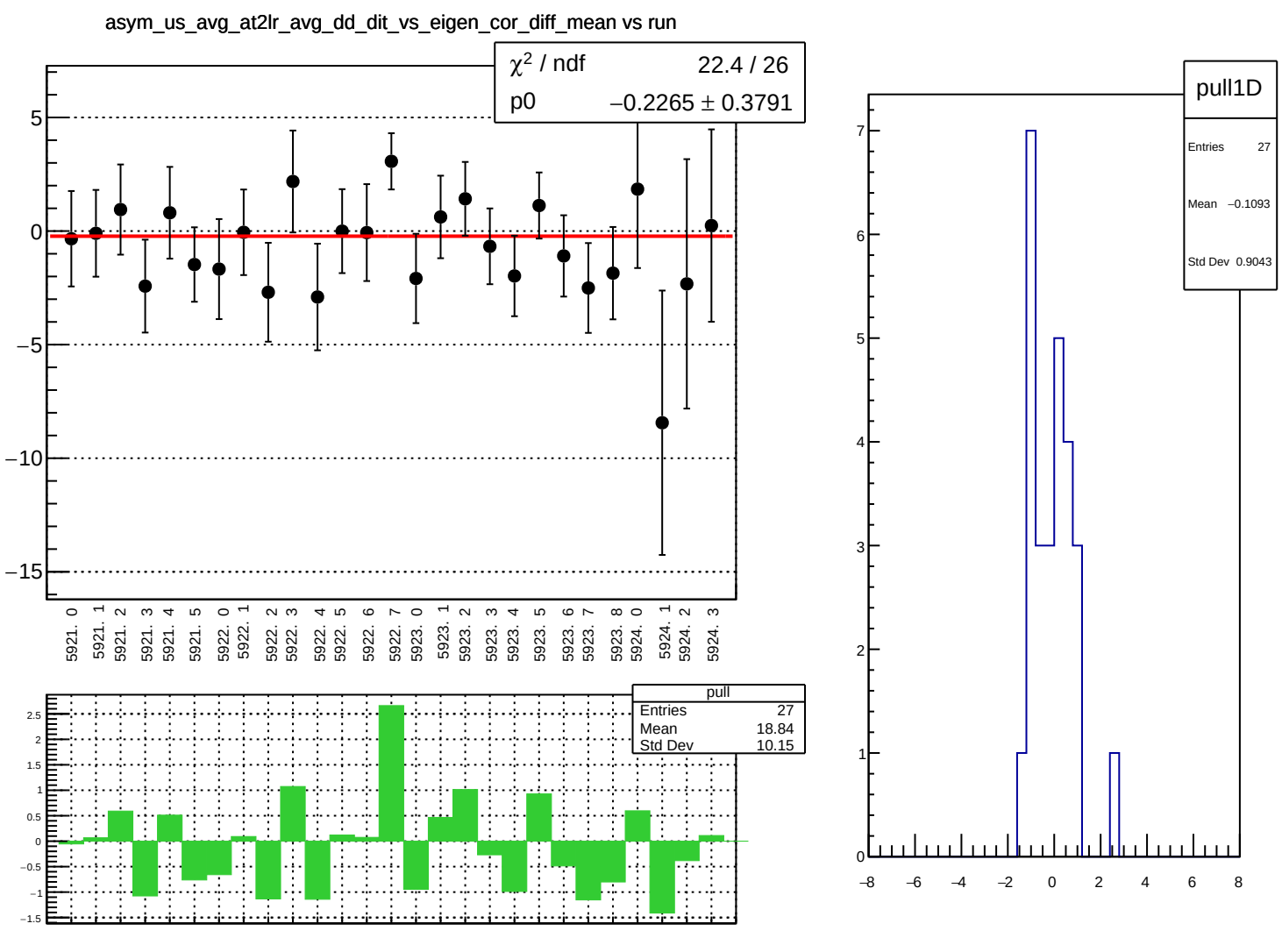

asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 2757 / 26
p0 6081 ± 8.48
7400
7200
7000
6800
6600
6400
6200
6000
5800
5600
5400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

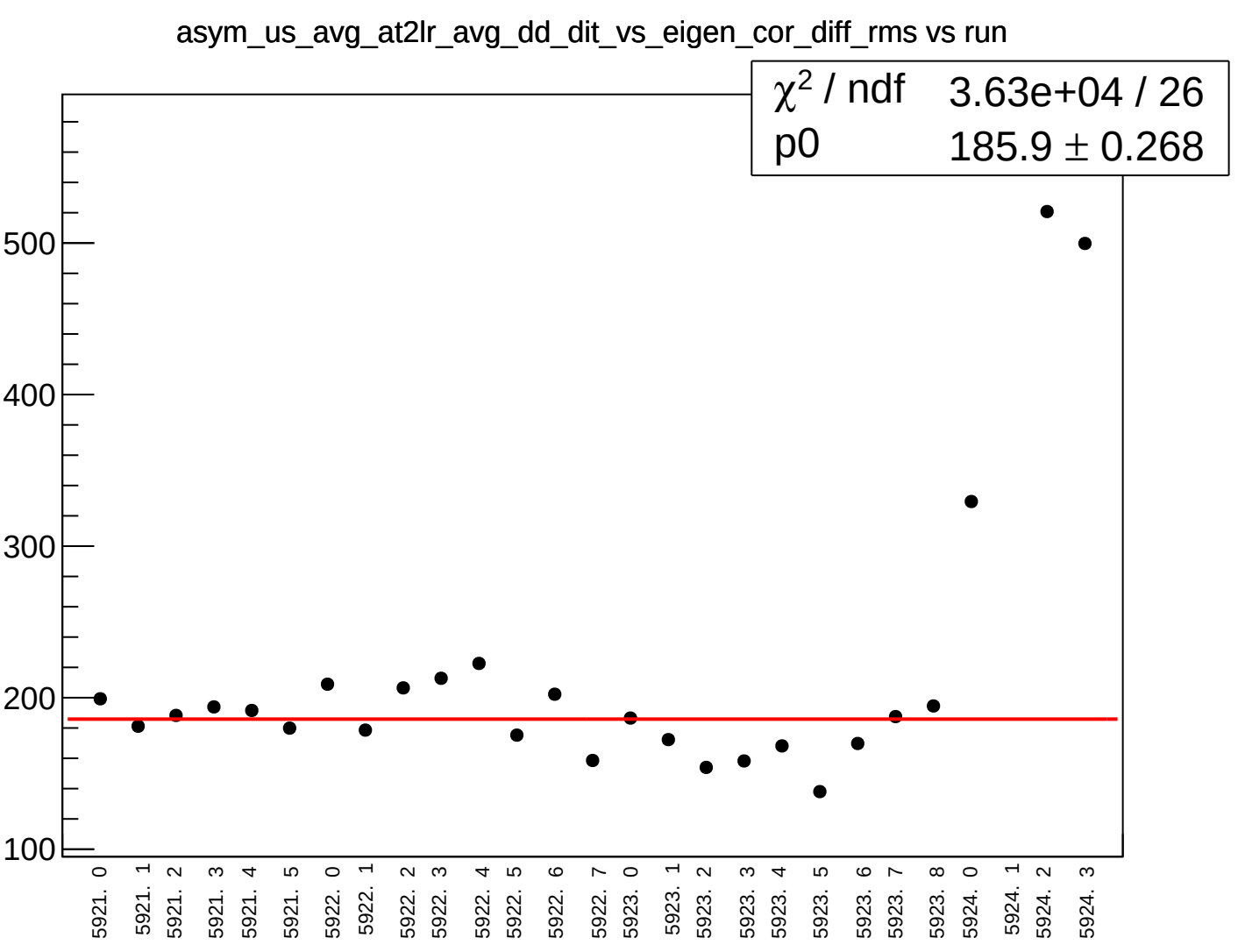

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 27.08 / 26
p0 −7.348e−13 ± 1.1e−12
0.025
0.02
0.015
0.01
0.005
0
−0.005
−0.01
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −3.866
Std Dev 0
pull1D
Entries 27
Mean −0.1563
Std Dev 0.9892

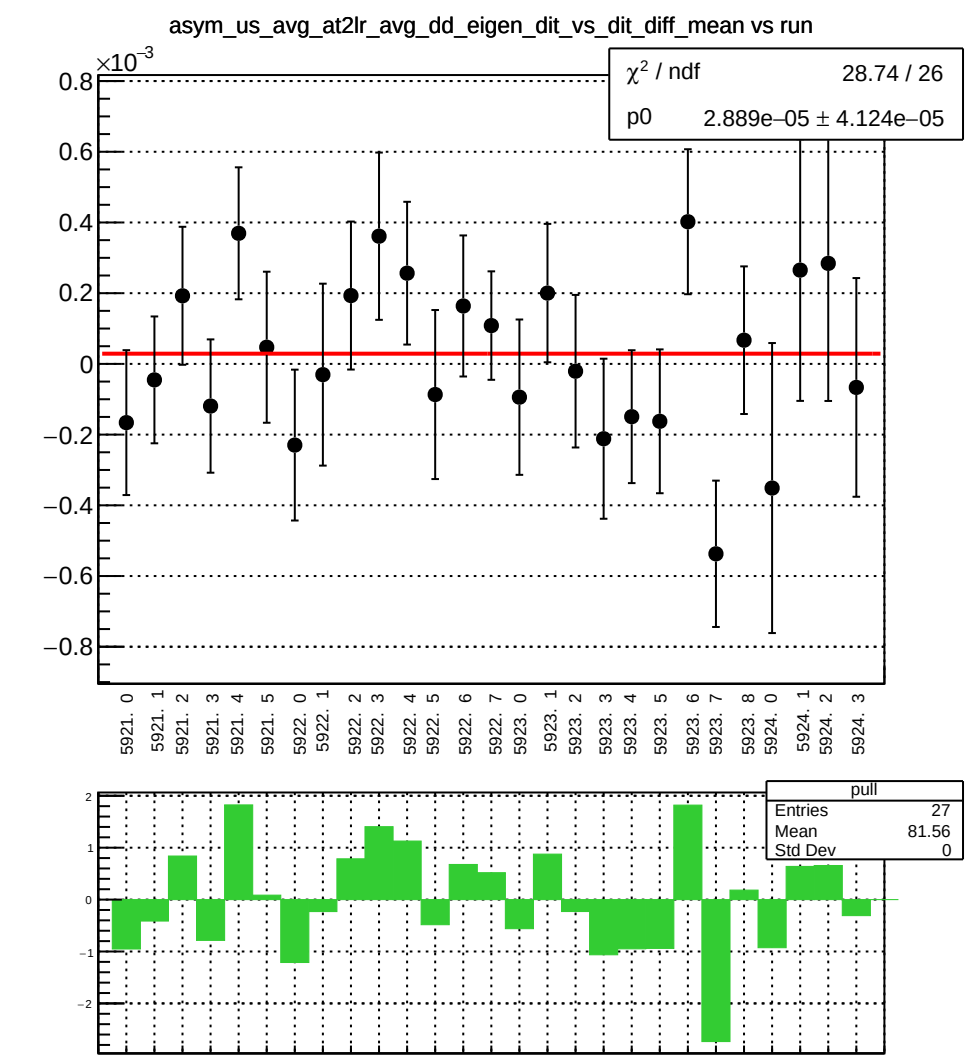

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.198e+05 / 26
p0 3.454e−10 ± 7.775e−13
1.2
1
0.8
0.6
0.4
0.2
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

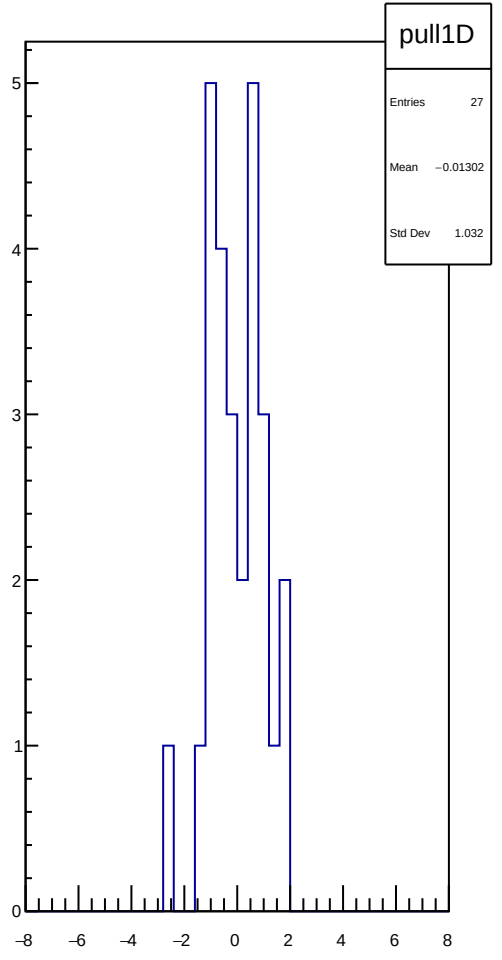

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 22.4 / 26
p0 −0.2265 ± 0.3791
5
0
−5
−10
−15
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 18.84
Std Dev 10.15
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.1093
Std Dev 0.9043
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

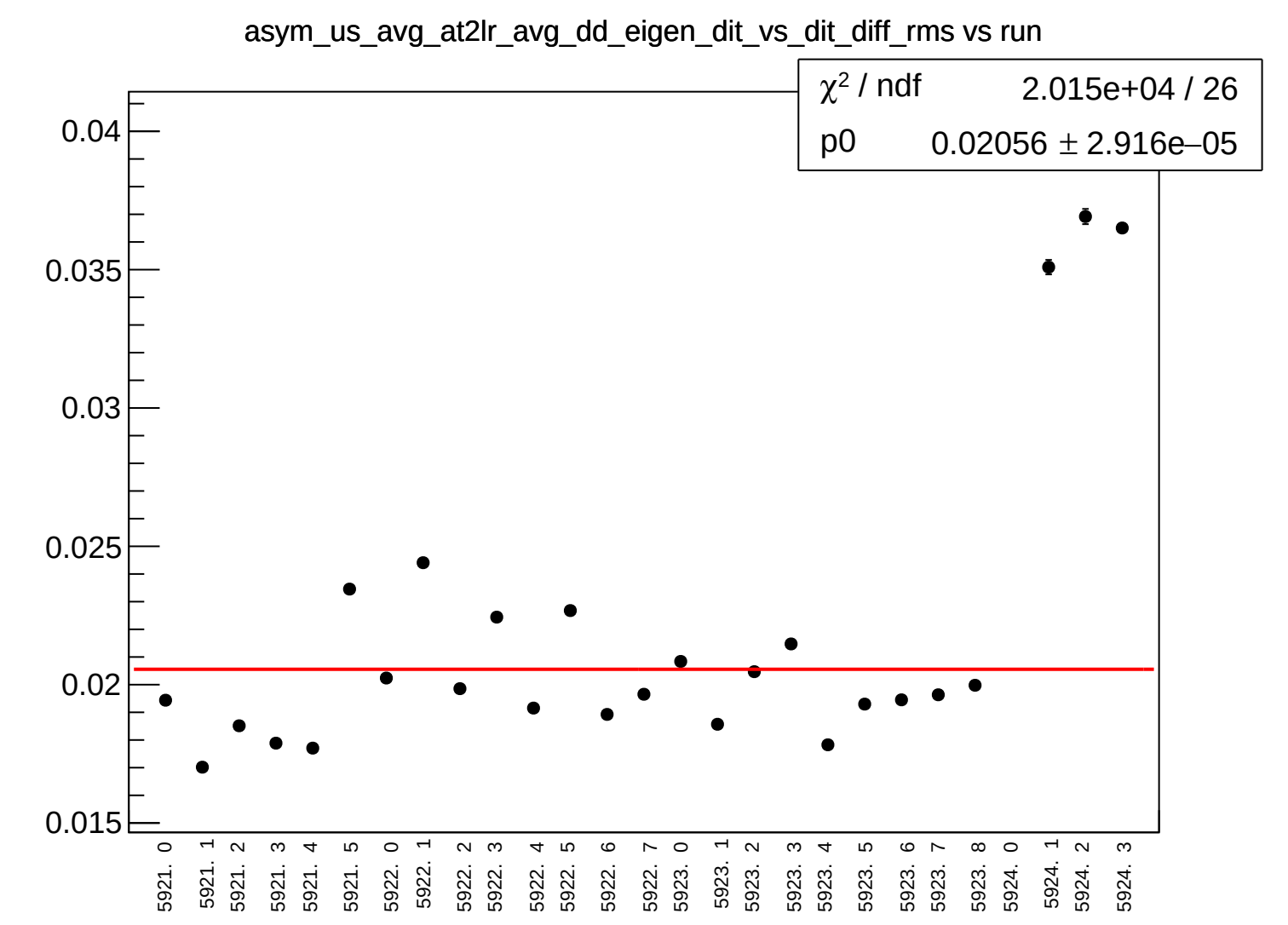

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.63e+04 / 26
p0 185.9 ± 0.268
500
400
300
200
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

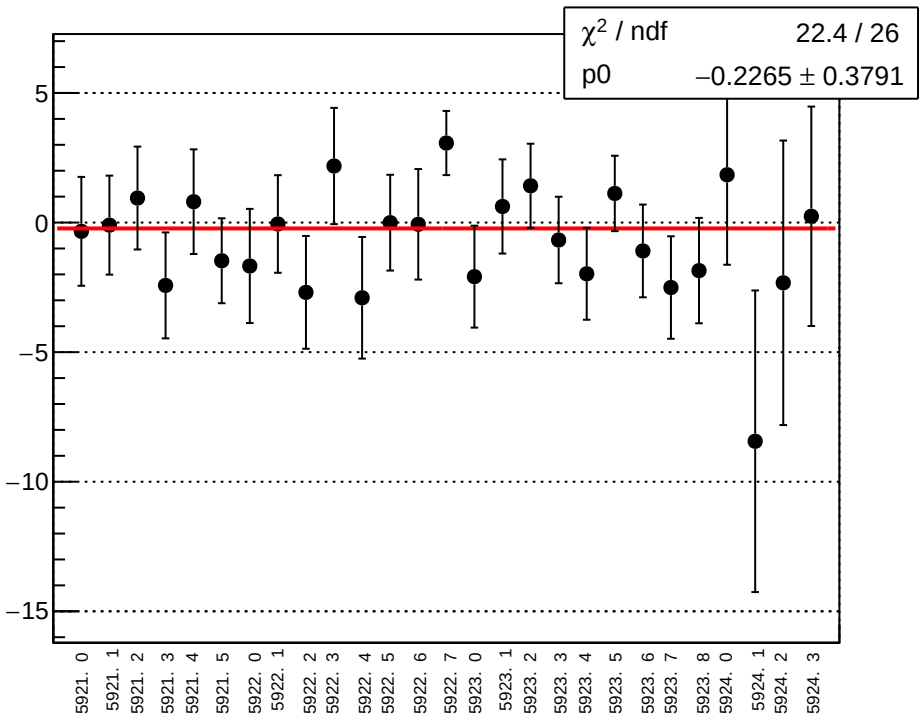

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 22.4 / 26
p0 −0.2265 ± 0.3791
5
0
−5
−10
−15
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 18.84
Std Dev 10.15
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.1093
Std Dev 0.9043
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

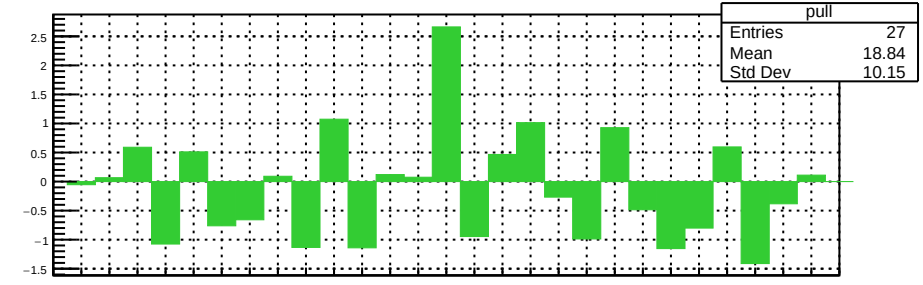

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.63e+04 / 26
p0 185.9 ± 0.268
500
400
300
200
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

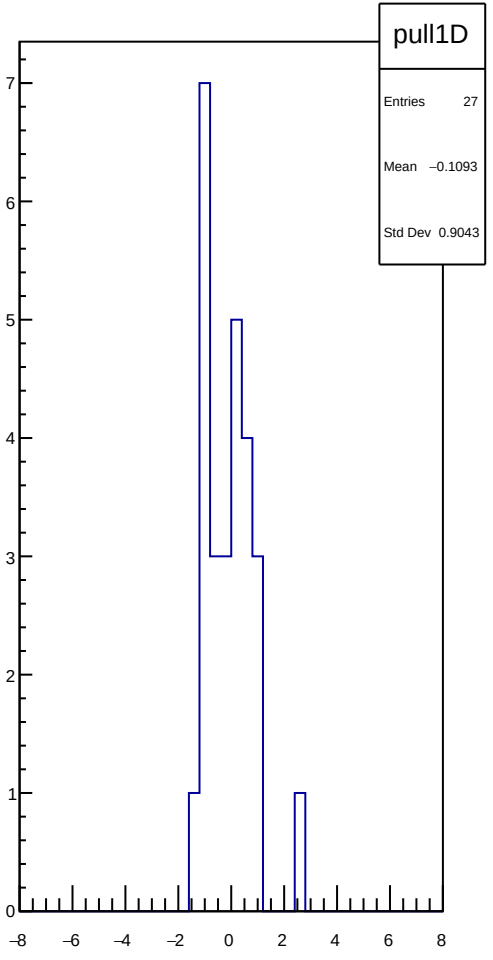

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 28.74 / 26
p0 2.889e−05 ± 4.124e−05
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 81.56
Std Dev 0
2
1
0
−1
−2

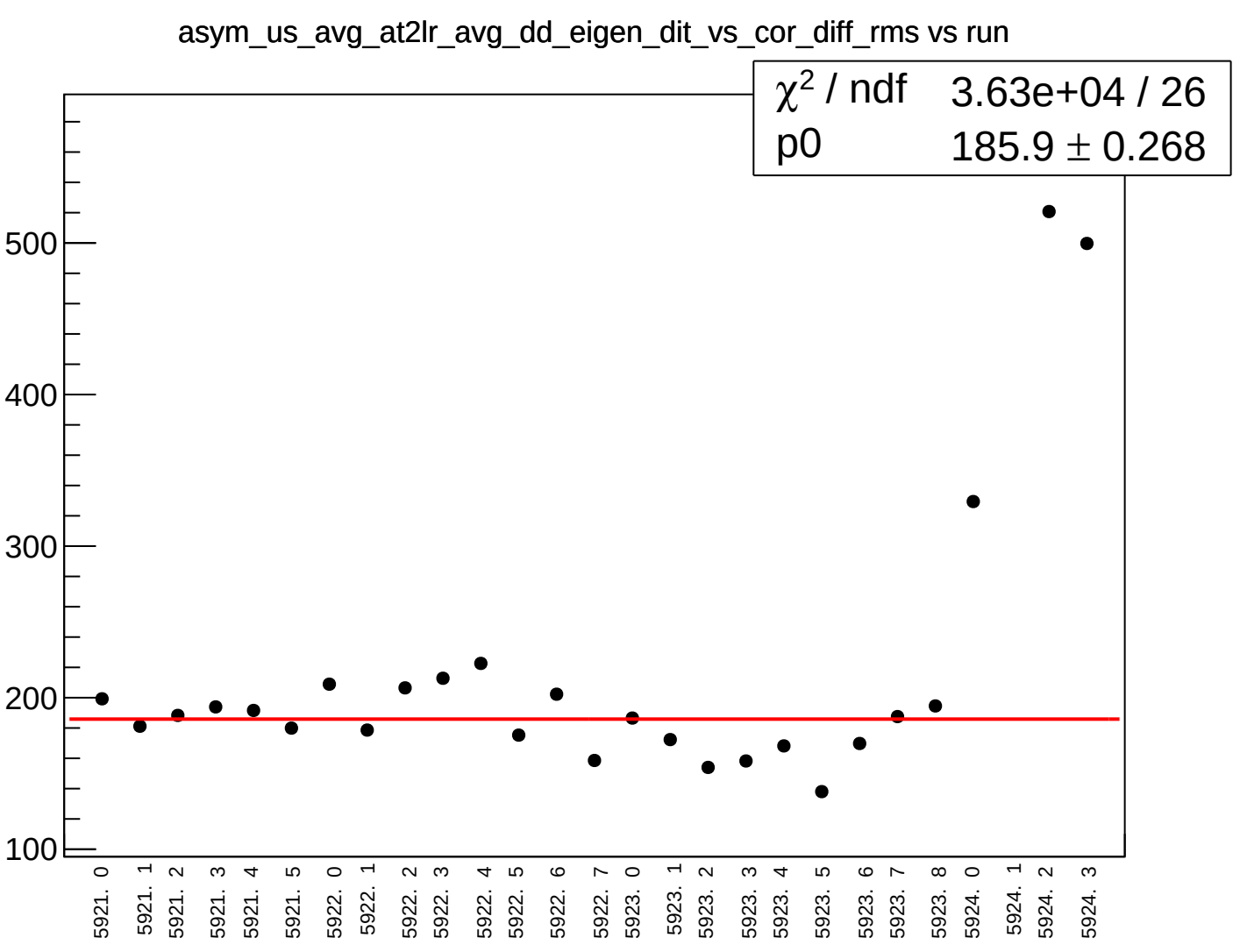

pull1D
Entries 27
Mean −0.01302
Std Dev 1.032
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

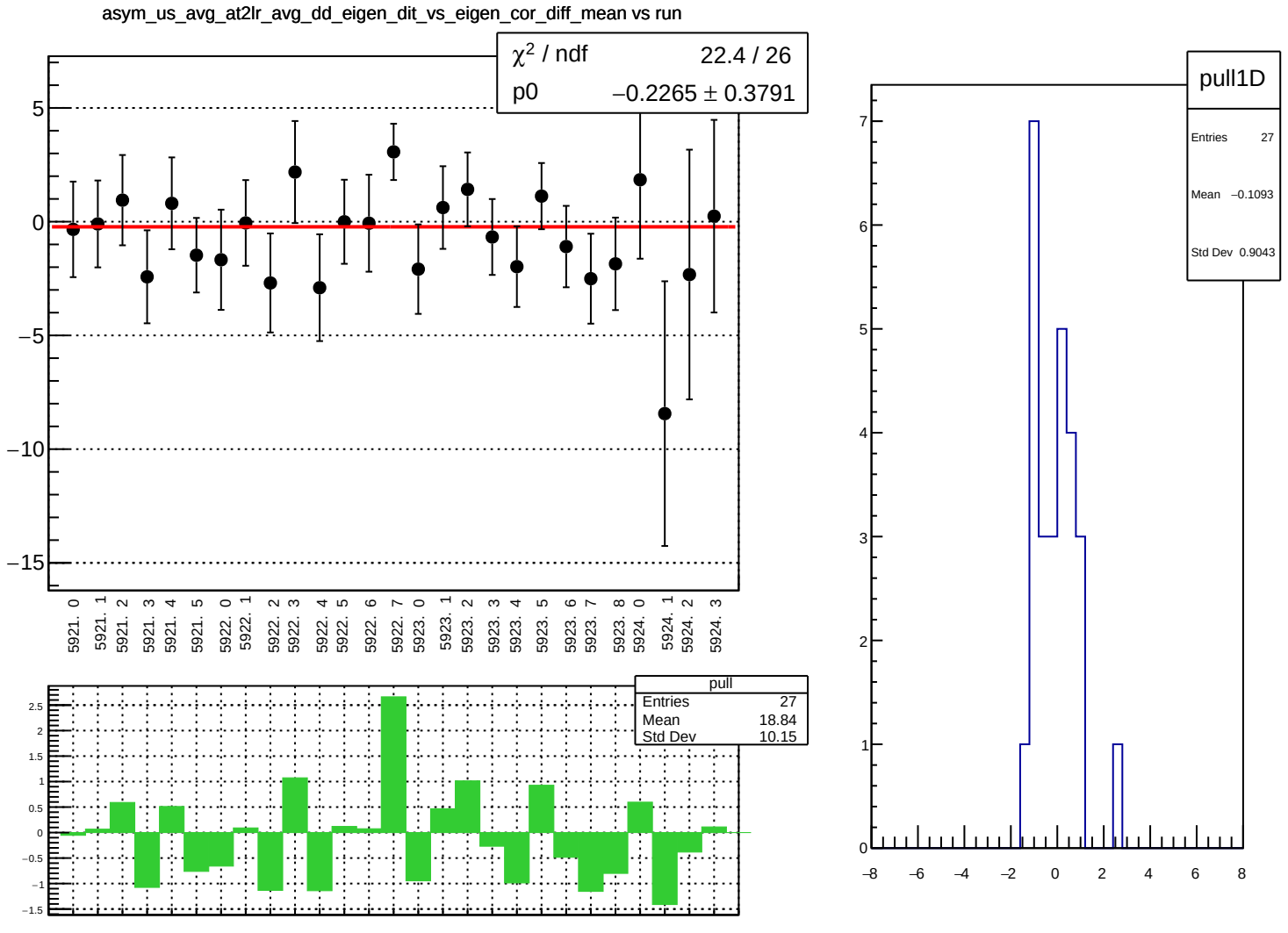

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.015e+04 / 26
p0 0.02056 ± 2.916e–05
0.04
0.035
0.03
0.025
0.02
0.015
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

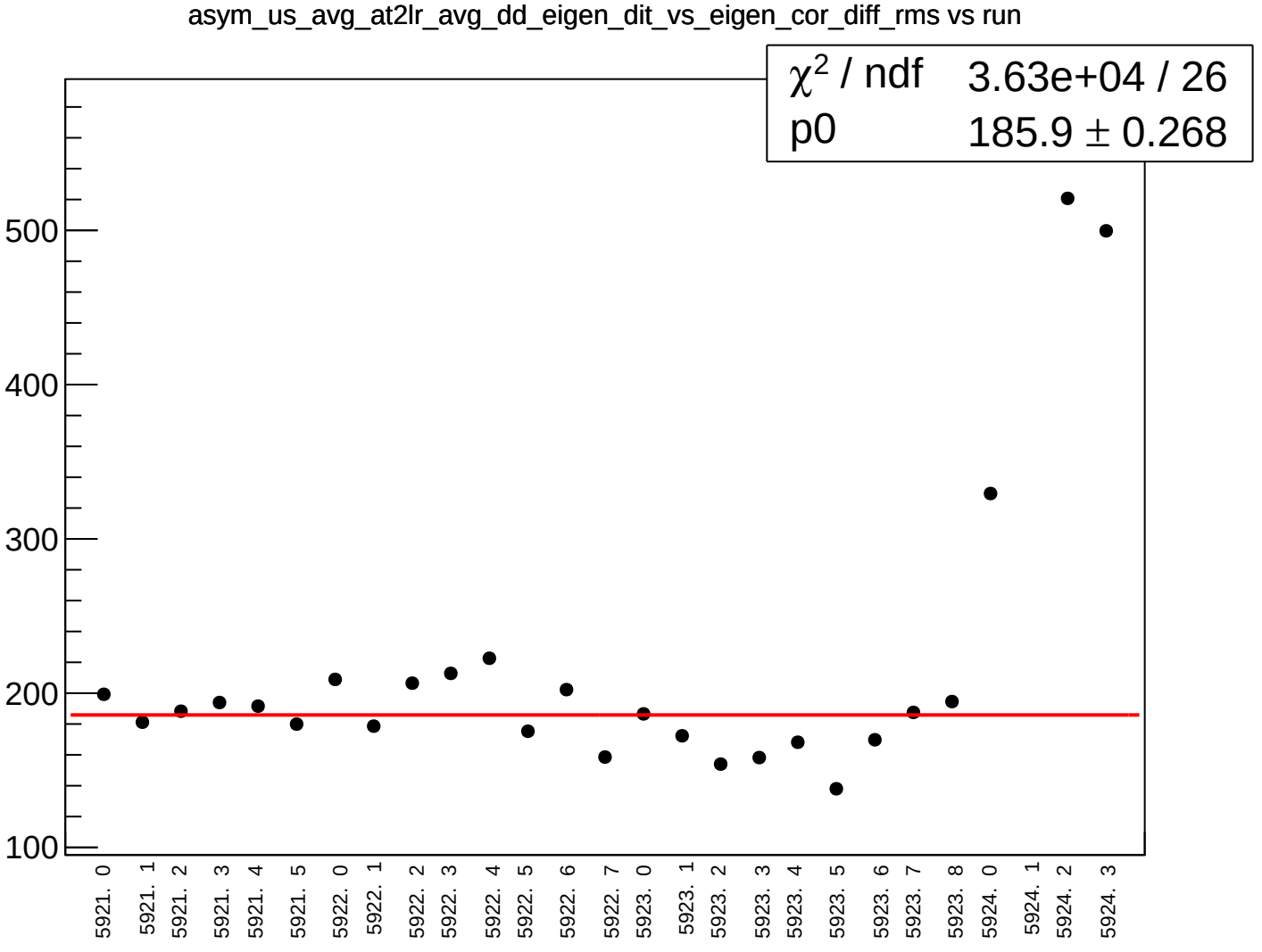

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 22.4 / 26
p0 −0.2265 ± 0.3791
5
0
−5
−10
−15
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

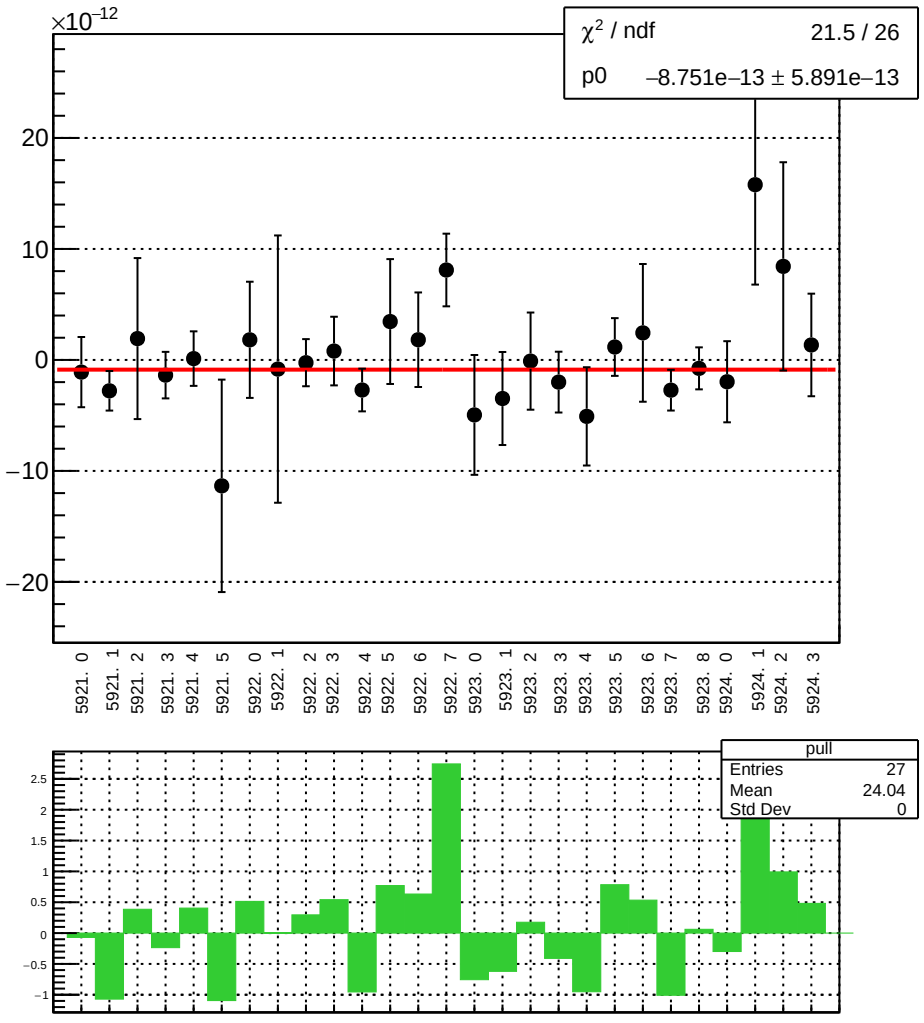

pull
Entries 27
Mean 18.84
Std Dev 10.15
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

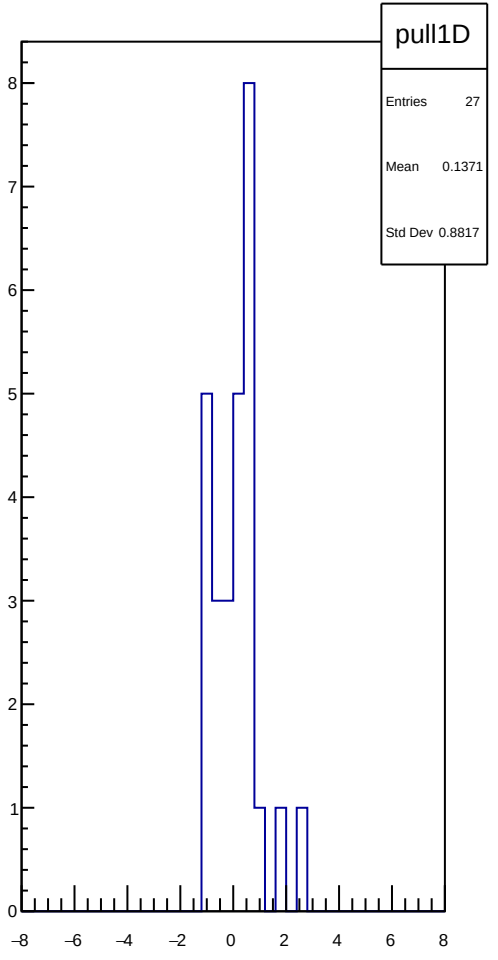

pull1D
Entries 27
Mean −0.1093
Std Dev 0.9043
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

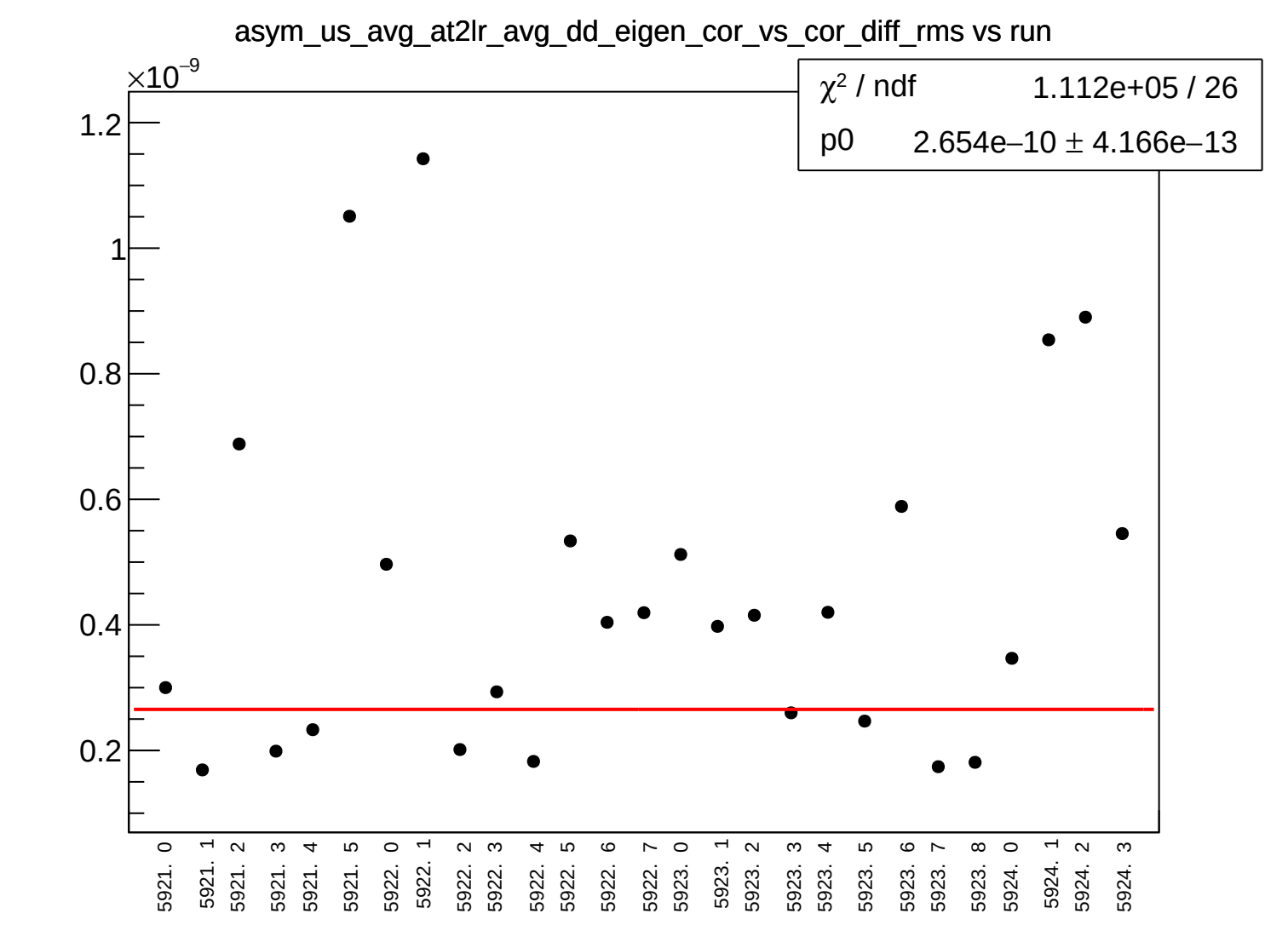

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.63e+04 / 26
p0 185.9 ± 0.268
500
400
300
200
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

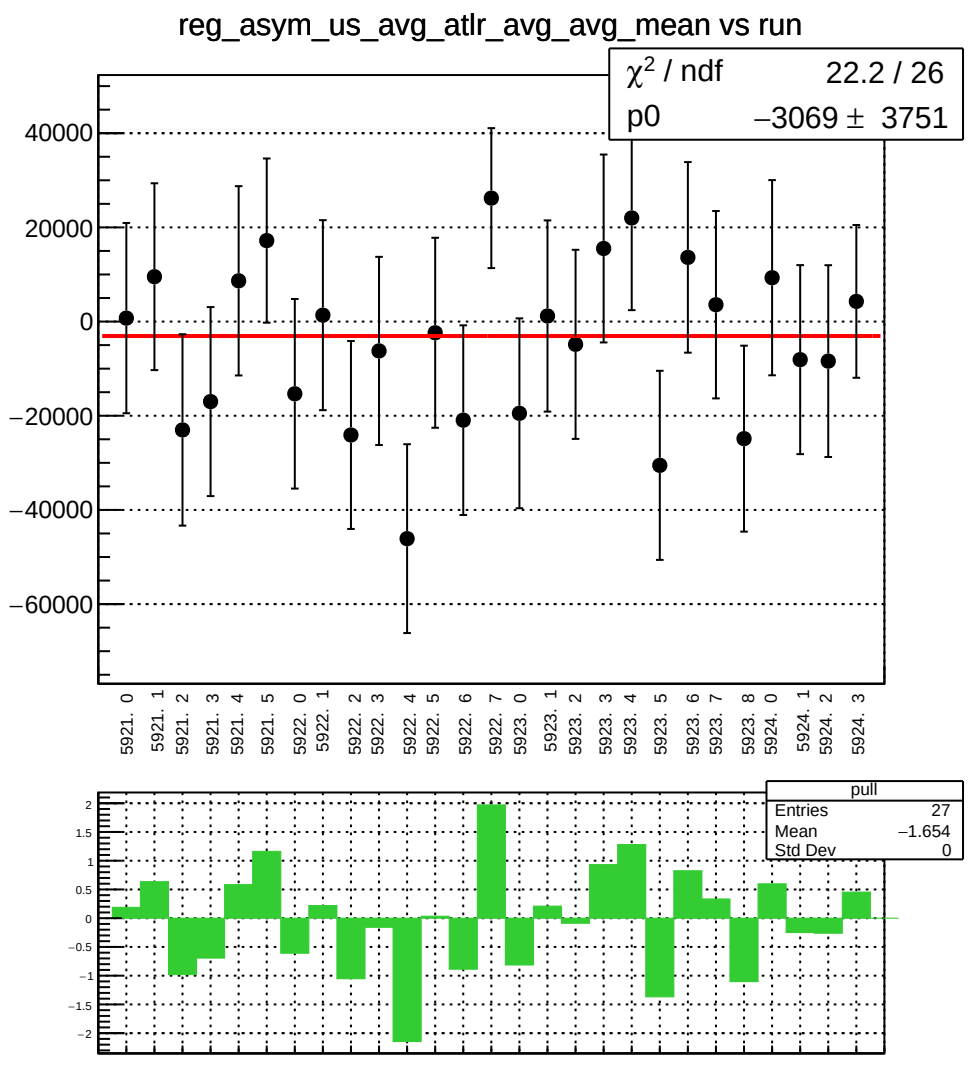

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 22.4 / 26
p0 −0.2265 ± 0.3791
5
0
−5
−10
−15
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 18.84
Std Dev 10.15
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.1093
Std Dev 0.9043
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

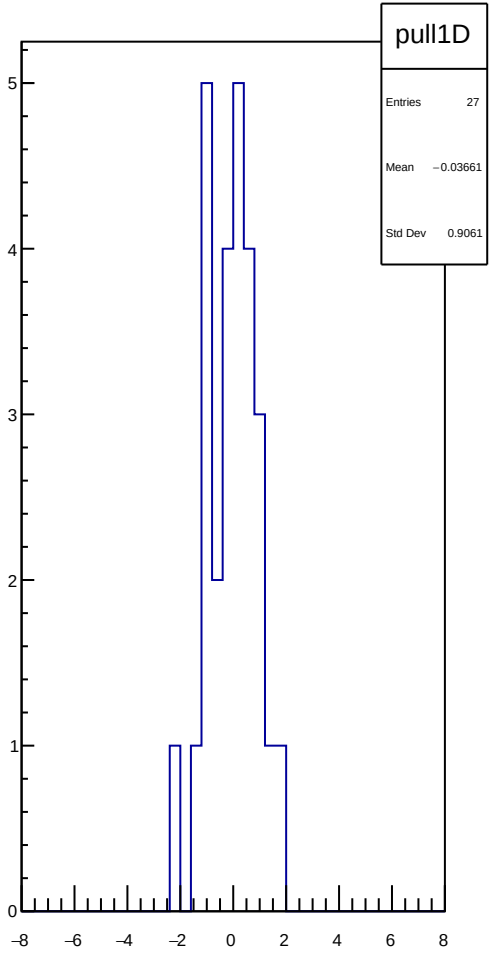

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.63e+04 / 26
p0 185.9 ± 0.268
500
400
300
200
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

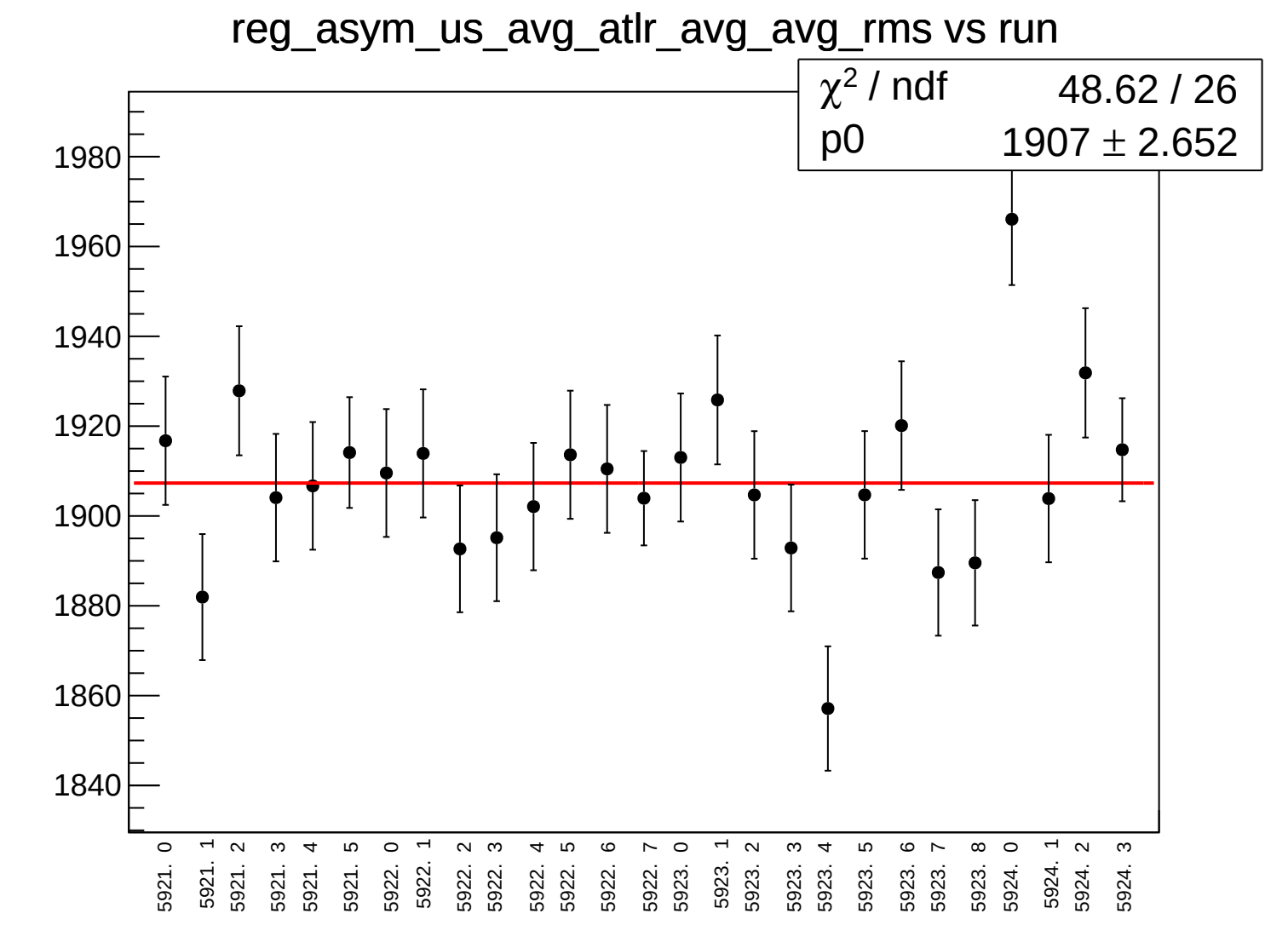

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 21.5 / 26
p0 −8.751e−13 ± 5.891e−13
20
10
0
−10
−20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 24.04
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1

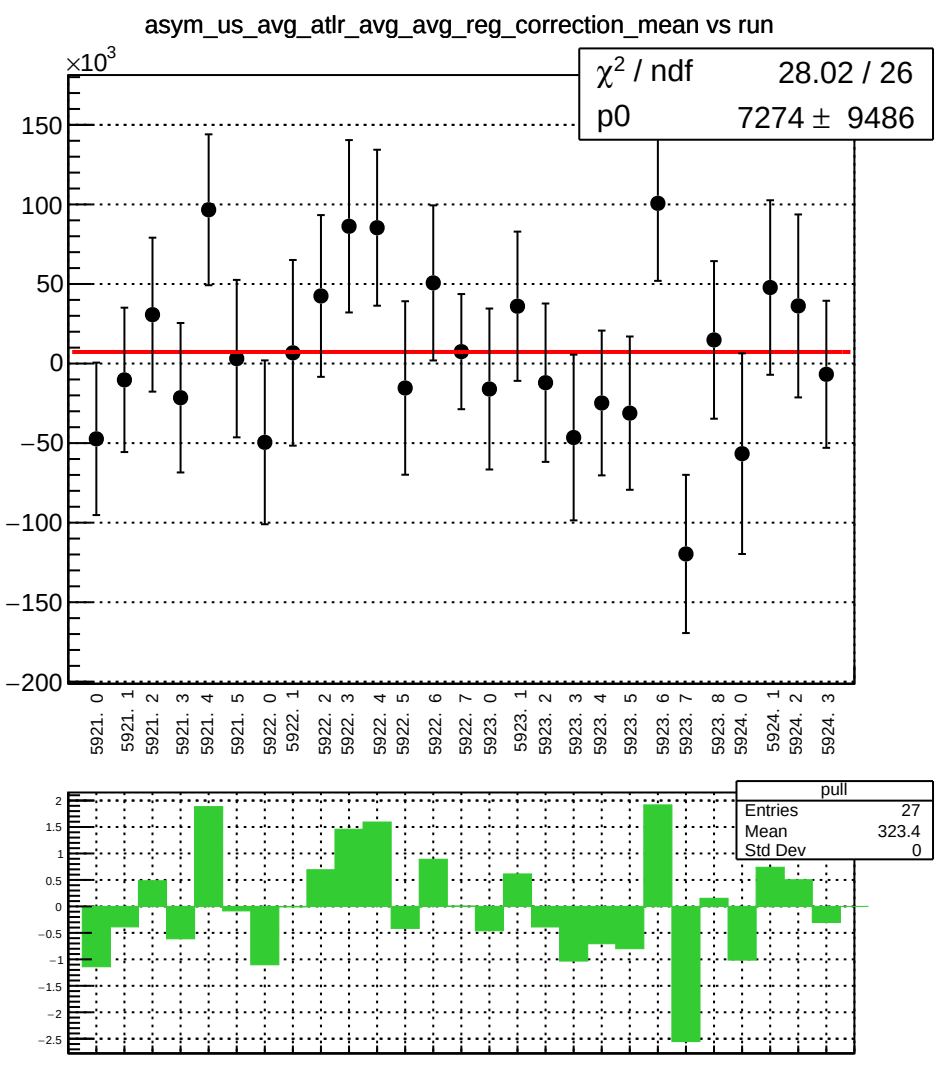

pull1D
Entries 27
Mean 0.1371
Std Dev 0.8817
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

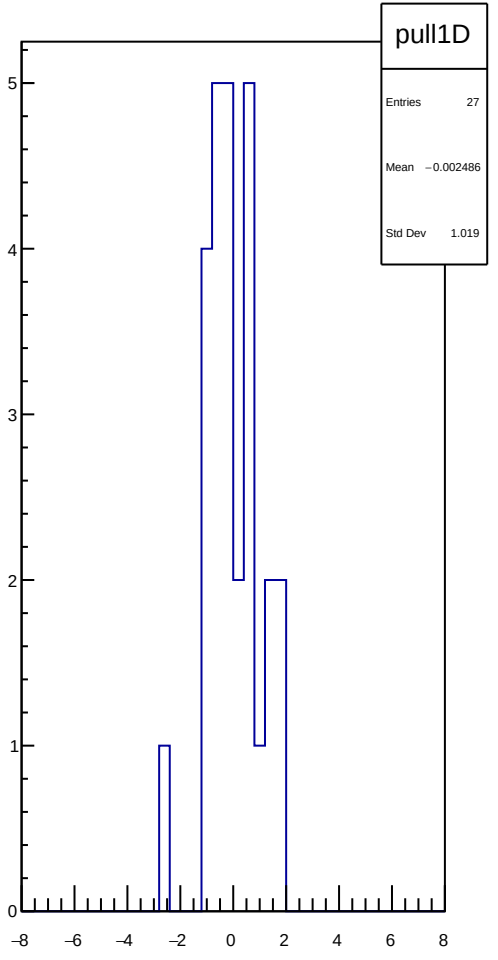

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.112e+05 / 26
p0 2.654e−10 ± 4.166e−13
1.2
1
0.8
0.6
0.4
0.2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

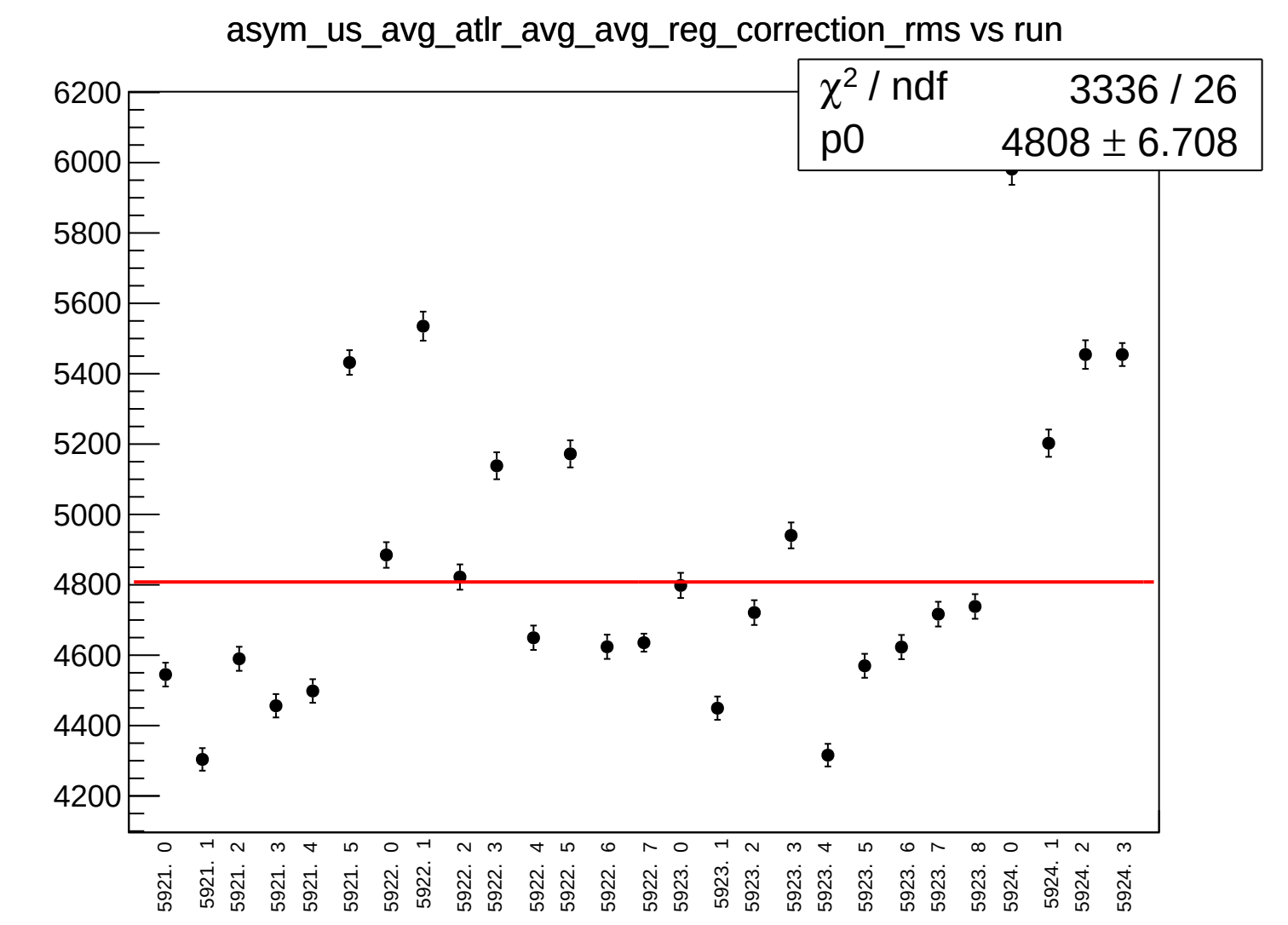

reg_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 22.2 / 26
p0 −3069 ± 3751
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −1.654
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

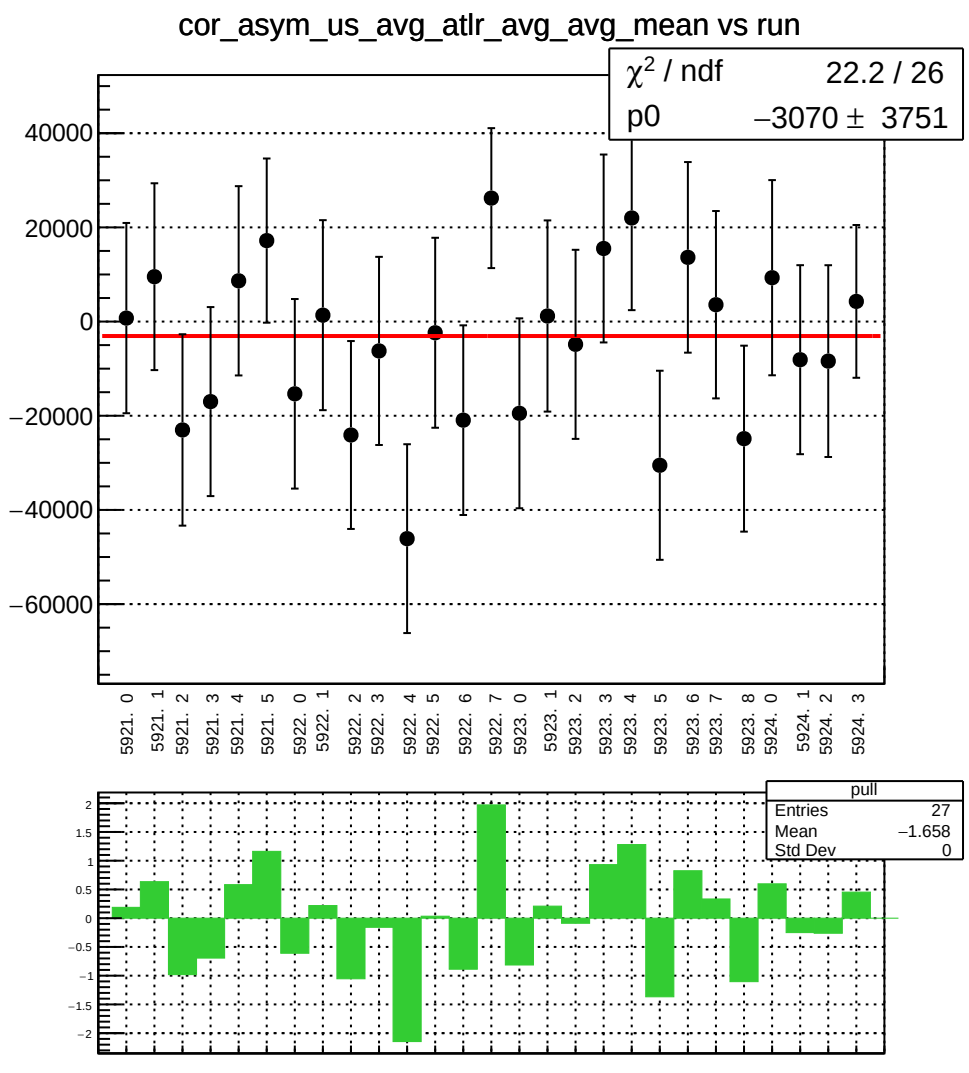

pull1D
Entries 27
Mean −0.03661
Std Dev 0.9061
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

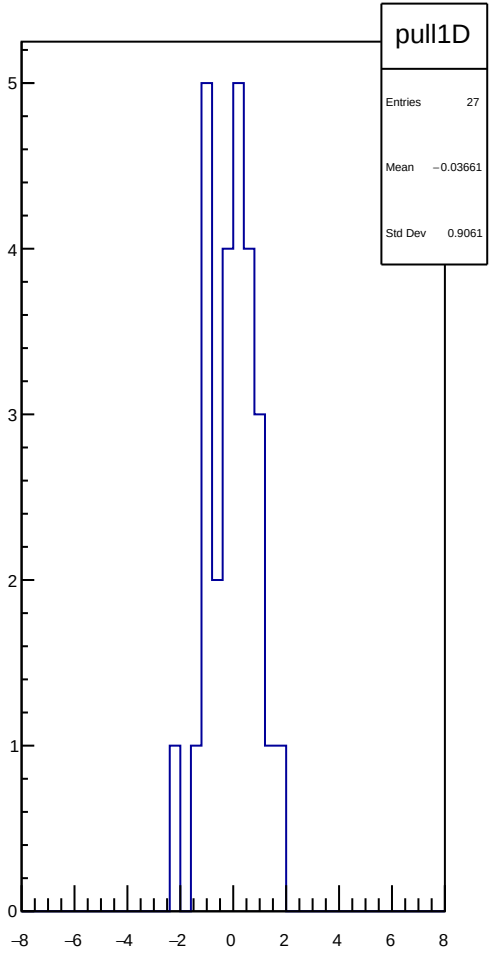

reg_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 48.62 / 26
p0 1907 ± 2.652
1980
1960
1940
1920
1900
1880
1860
1840
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

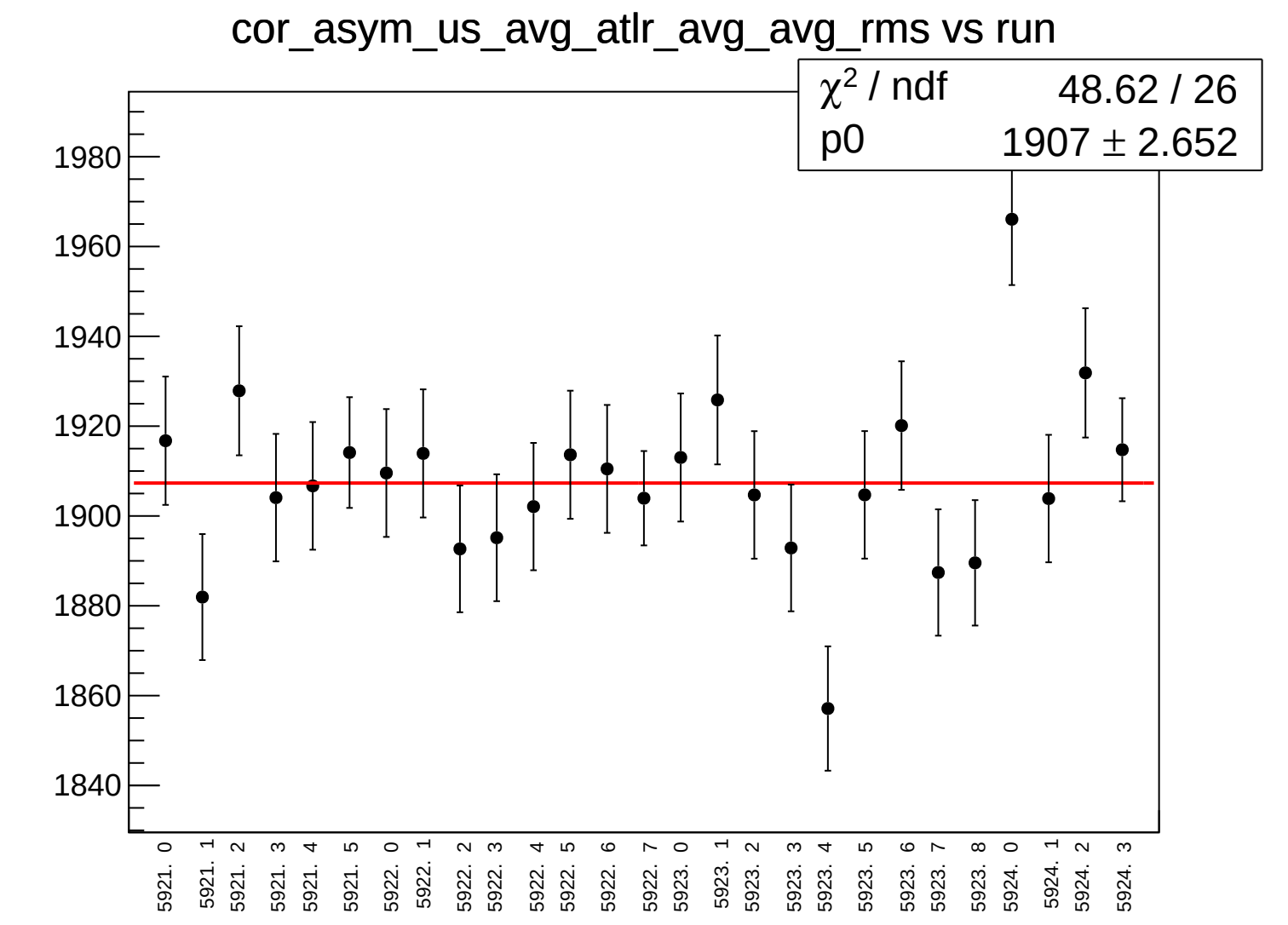

asym_us_avg_atlr_avg_avg_reg_correction_mean vs run
×10^3
χ^2 / ndf 28.02 / 26
p0 7274 ± 9486
150
100
50
0
−50
−100
−150
−200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 323.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

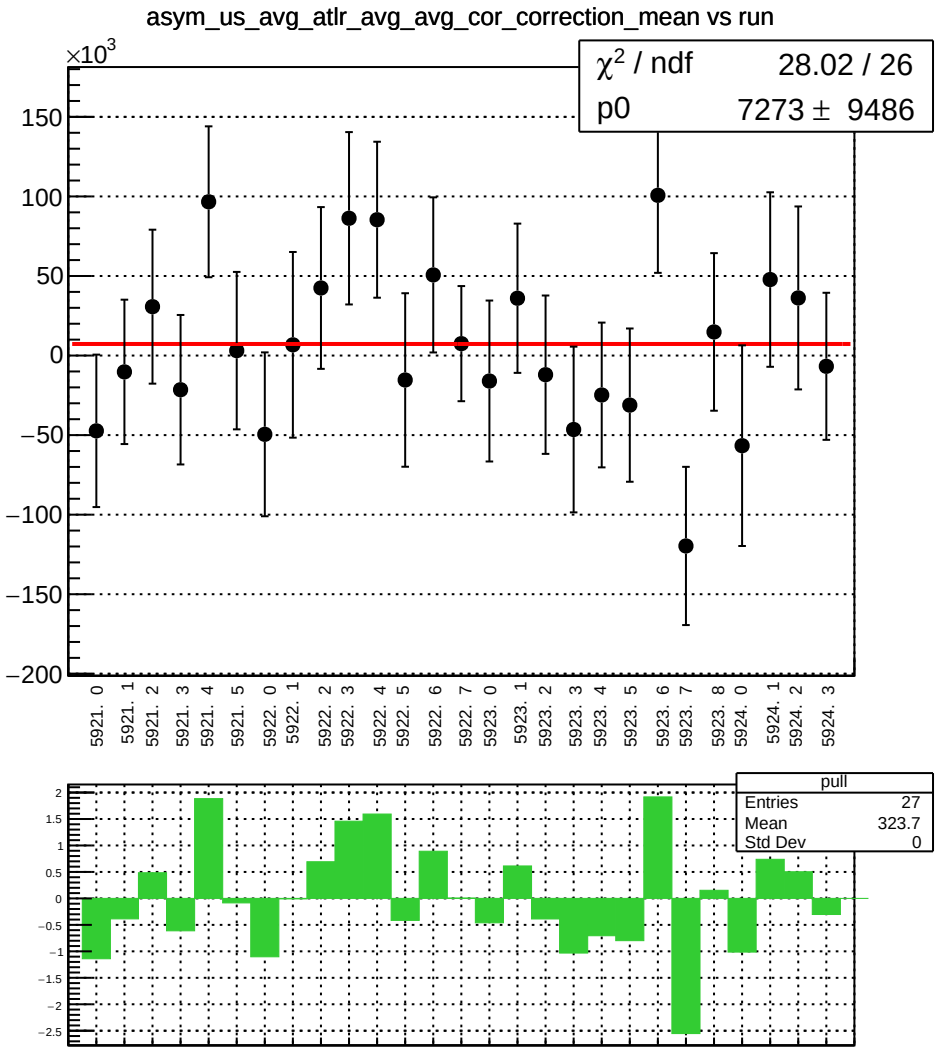

pull1D
Entries 27
Mean −0.002486
Std Dev 1.019
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

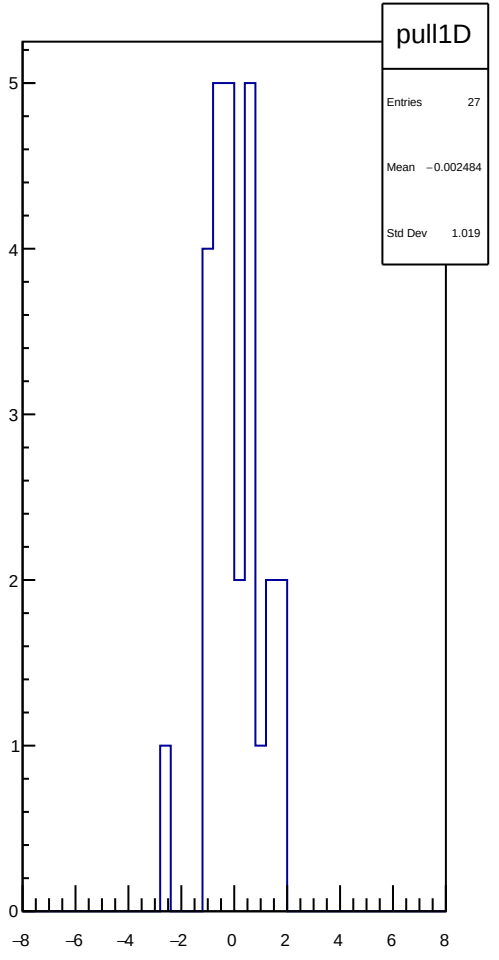

asym_us_avg_atlr_avg_avg_reg_correction_rms vs run
χ² / ndf 3336 / 26
p0 4808 ± 6.708
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

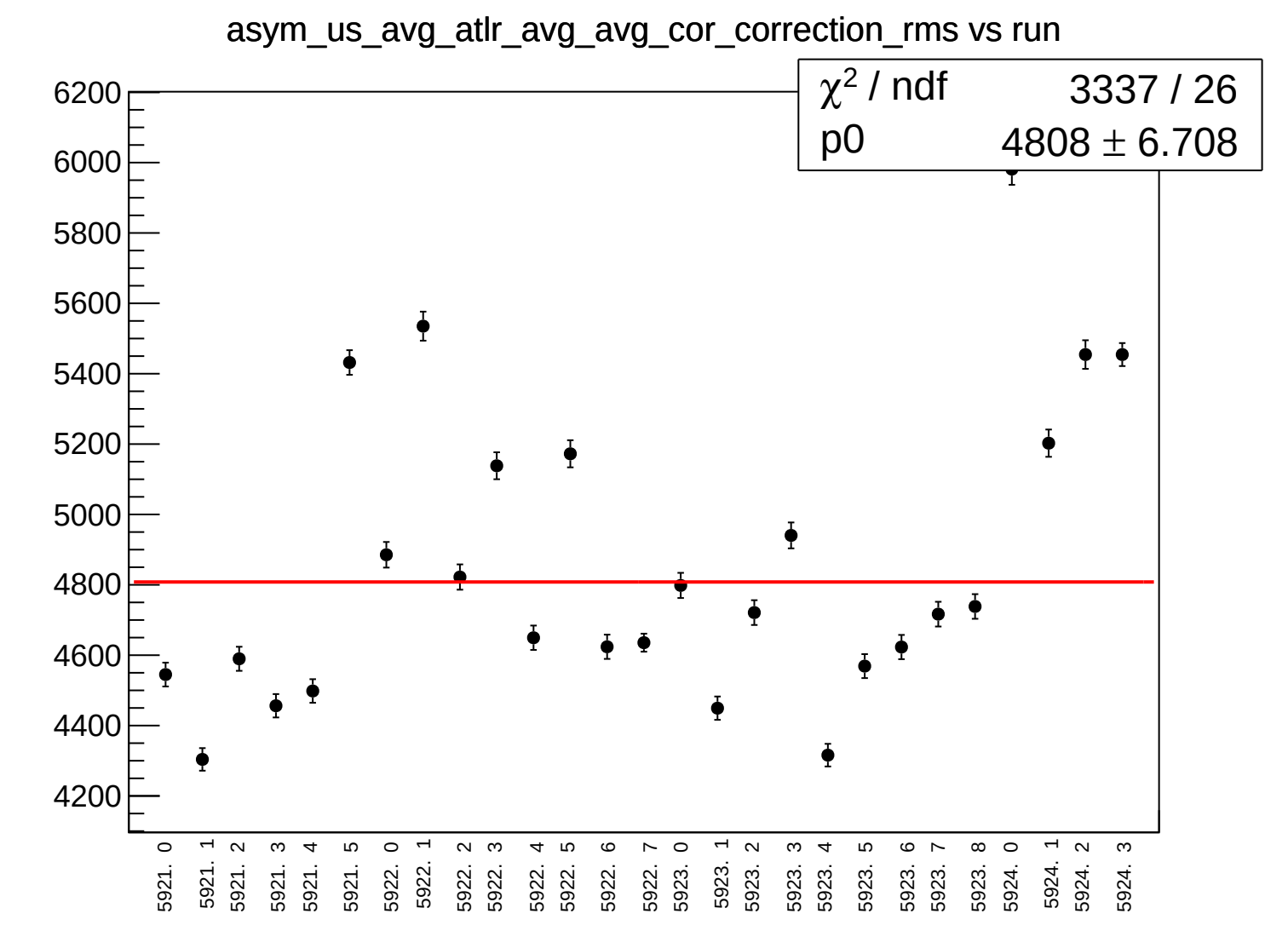

cor_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 22.2 / 26
p0 −3070 ± 3751
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −1.658
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

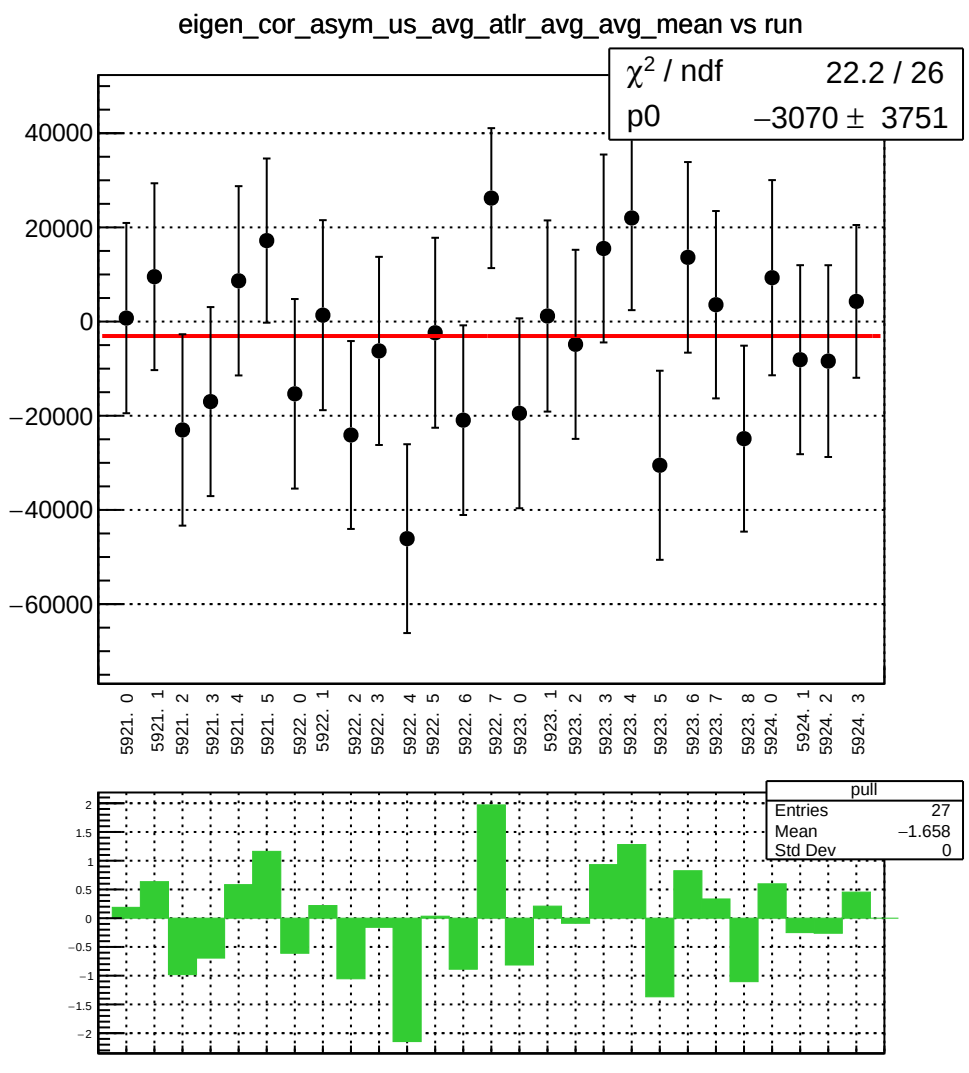

pull1D
Entries 27
Mean −0.03661
Std Dev 0.9061
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

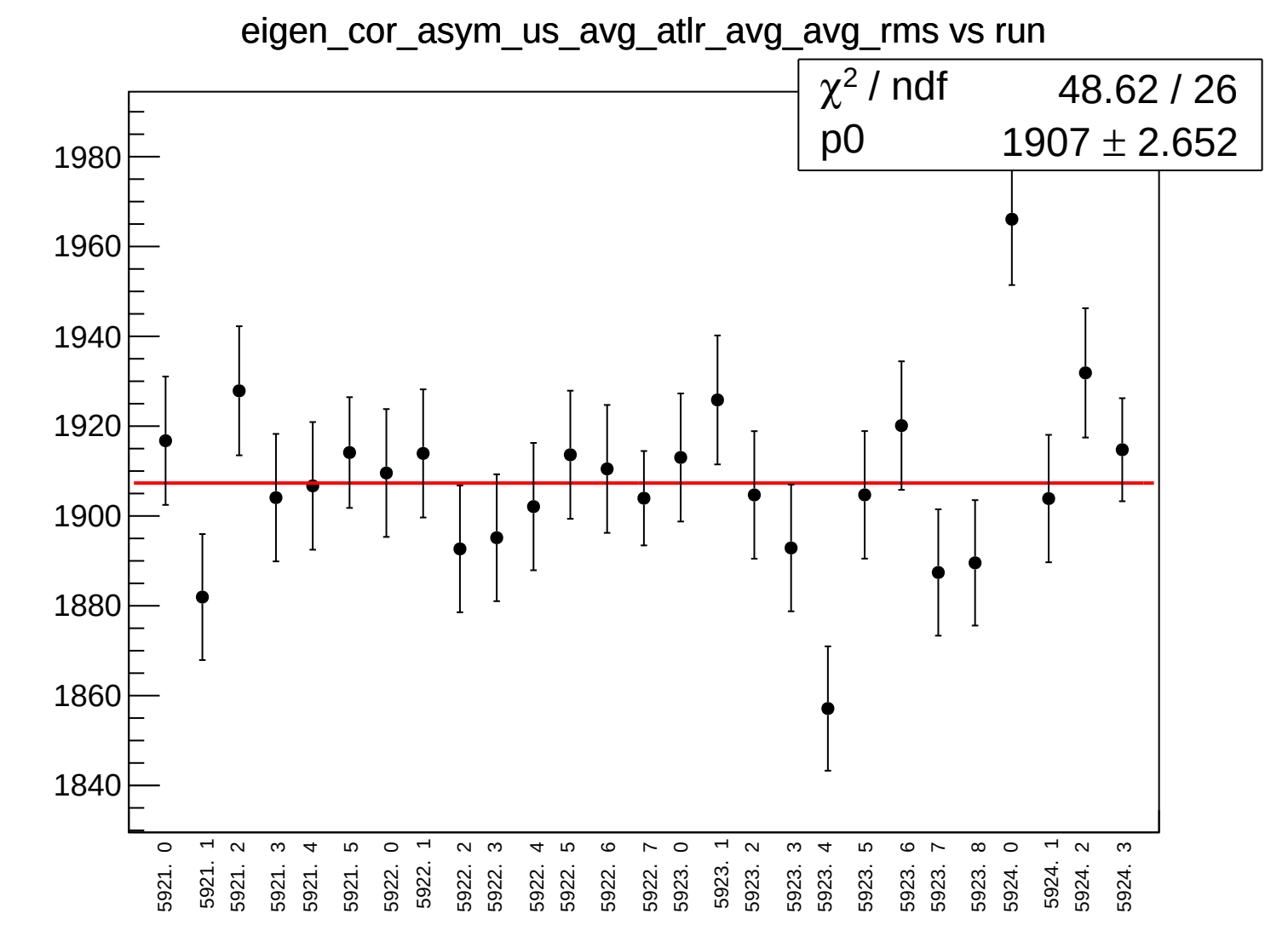

cor_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 48.62 / 26
p0 1907 ± 2.652
1980
1960
1940
1920
1900
1880
1860
1840
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

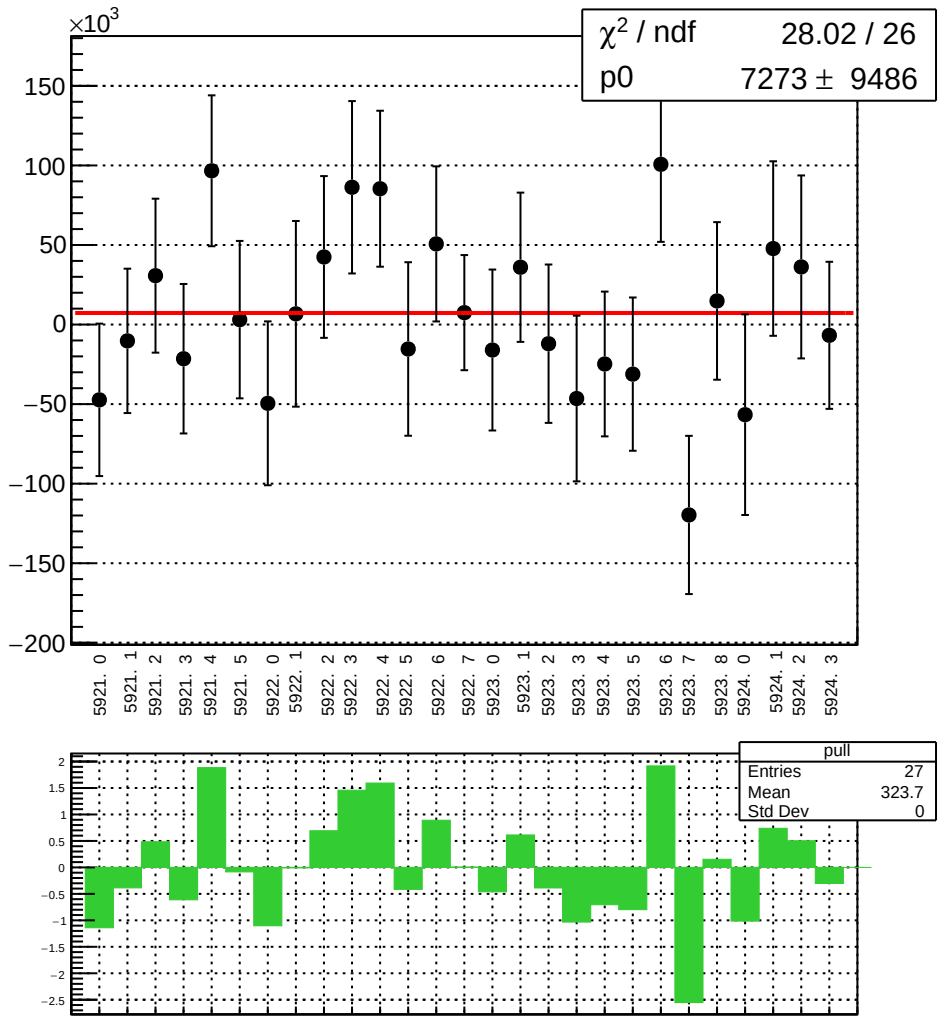

asym_us_avg_atlr_avg_avg_cor_correction_mean vs run
×10^3
χ^2 / ndf 28.02 / 26
p0 7273 ± 9486
150
100
50
0
−50
−100
−150
−200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 323.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

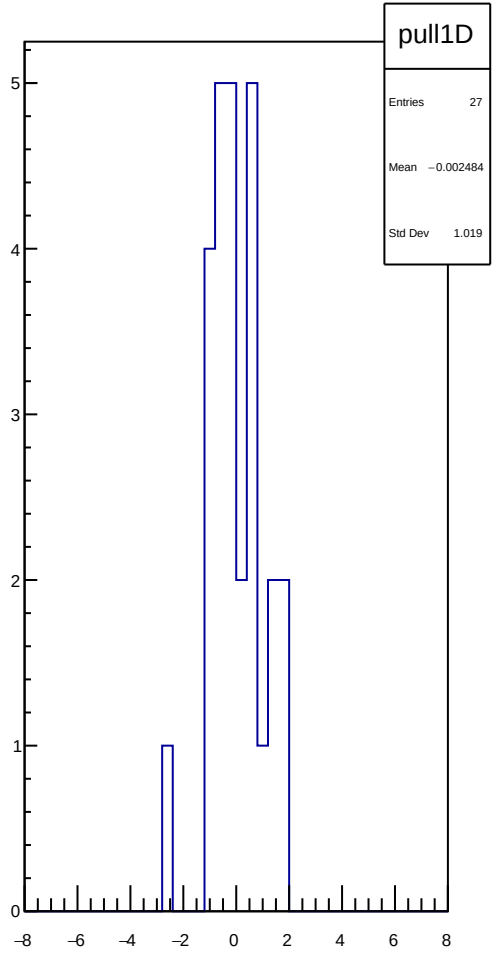

pull1D
Entries 27
Mean −0.002484
Std Dev 1.019
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

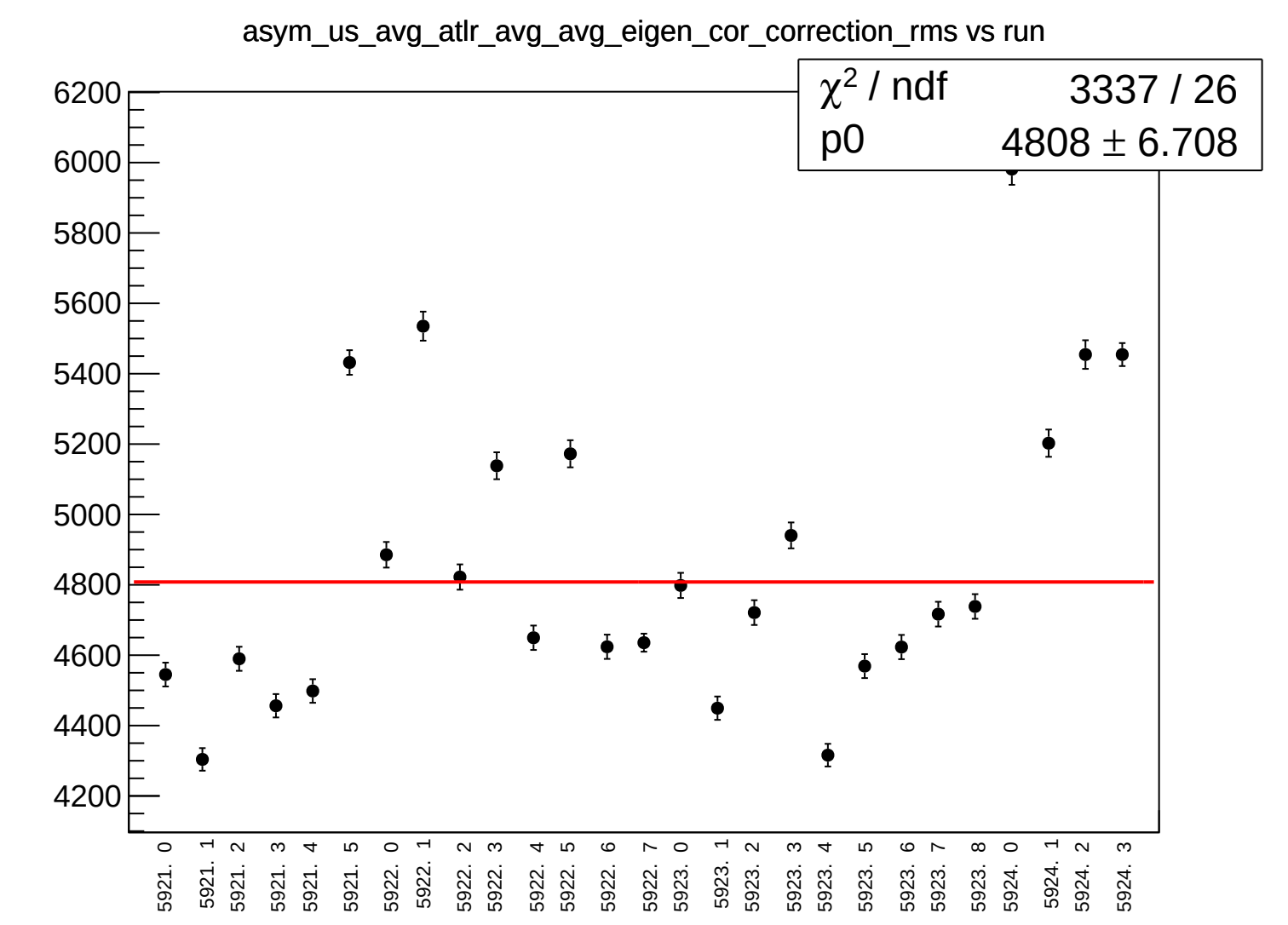

asym_us_avg_atlr_avg_avg_cor_correction_rms vs run
χ² / ndf 3337 / 26
p0 4808 ± 6.708
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

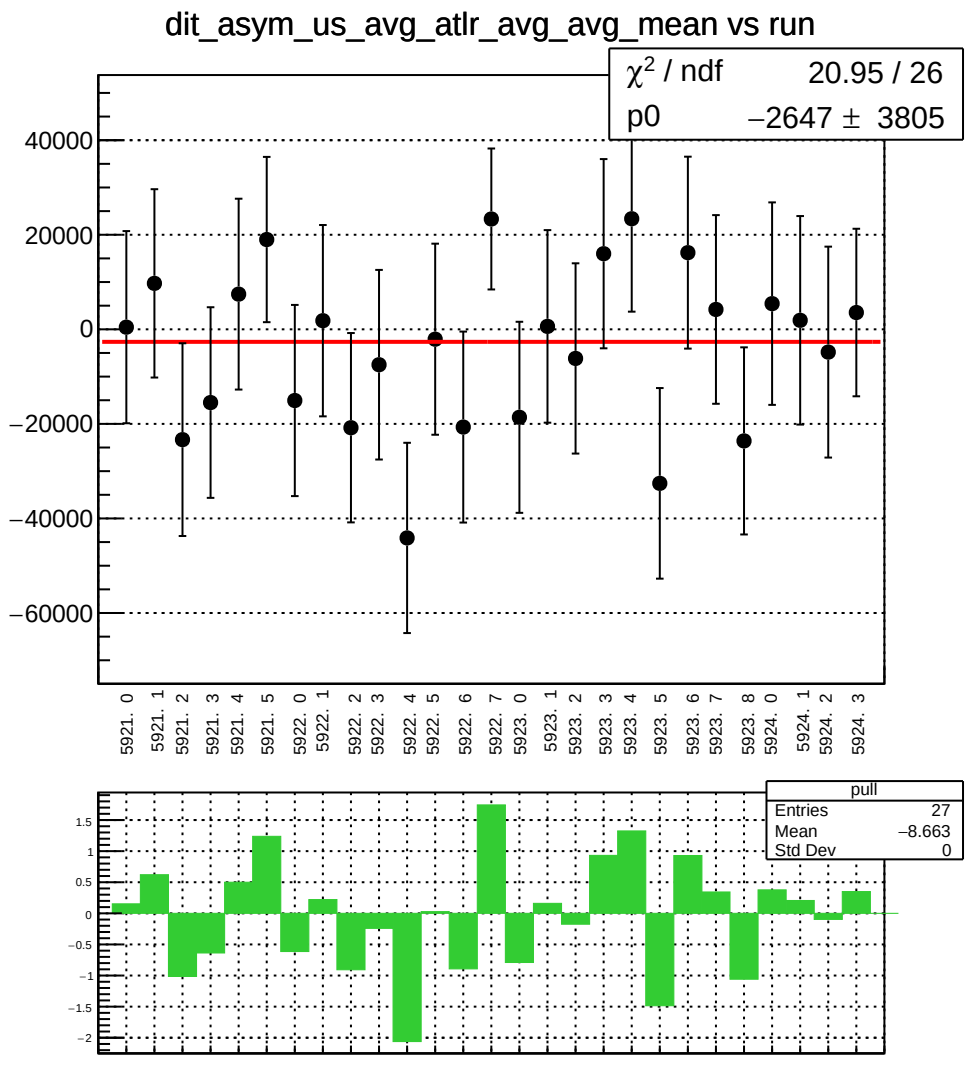

eigen_cor_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 22.2 / 26
p0 −3070 ± 3751
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −1.658
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.03661
Std Dev 0.9061
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

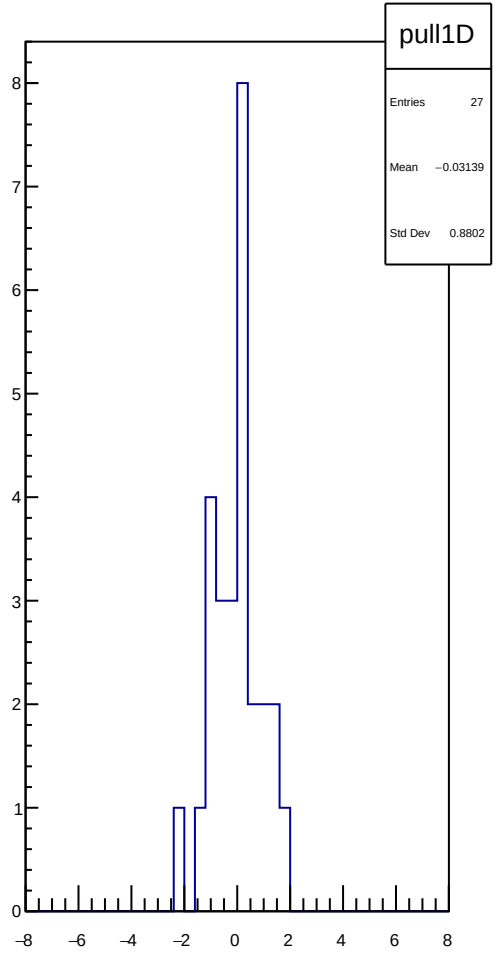

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 48.62 / 26
p0 1907 ± 2.652
1980
1960
1940
1920
1900
1880
1860
1840
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

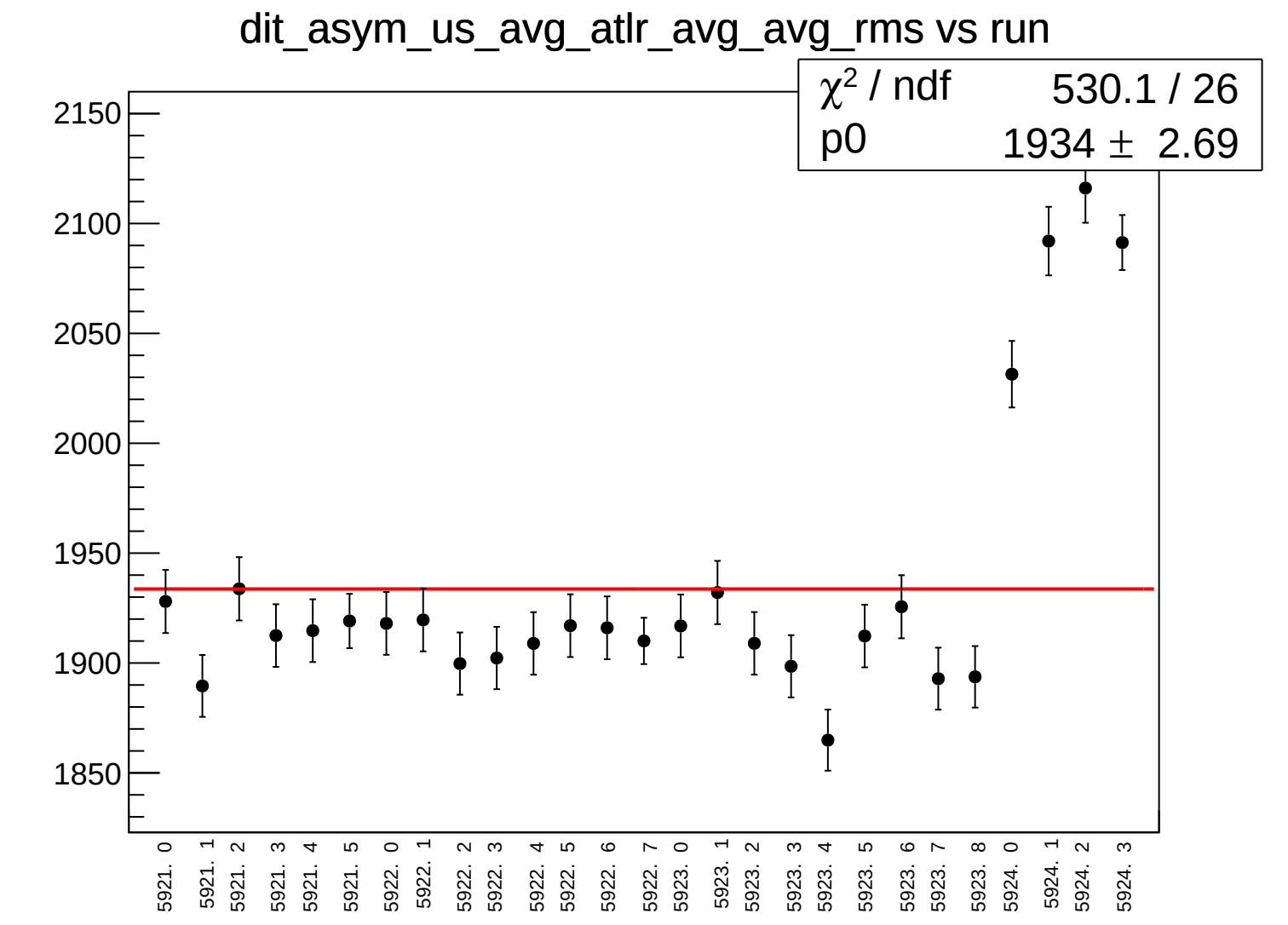

asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 28.02 / 26
p0 7273 ± 9486
150
100
50
0
−50
−100
−150
−200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 323.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

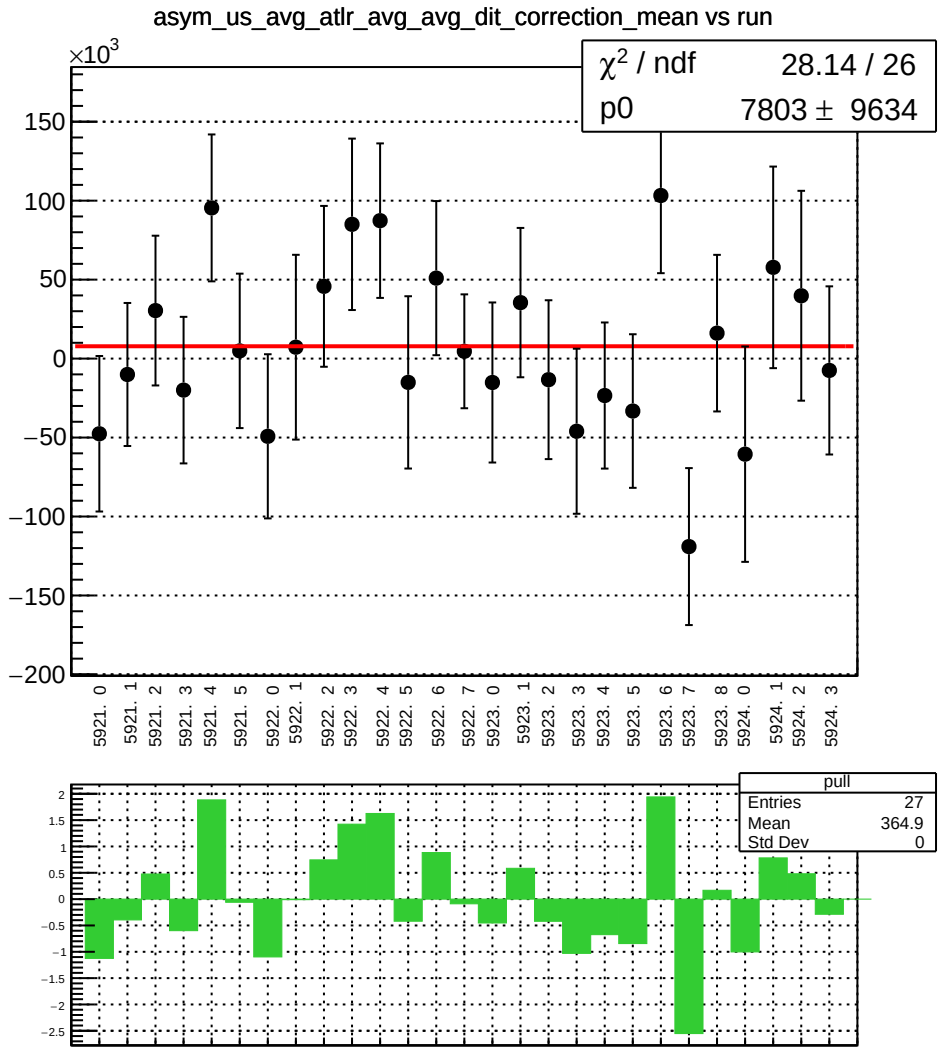

pull1D
Entries 27
Mean −0.002484
Std Dev 1.019
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

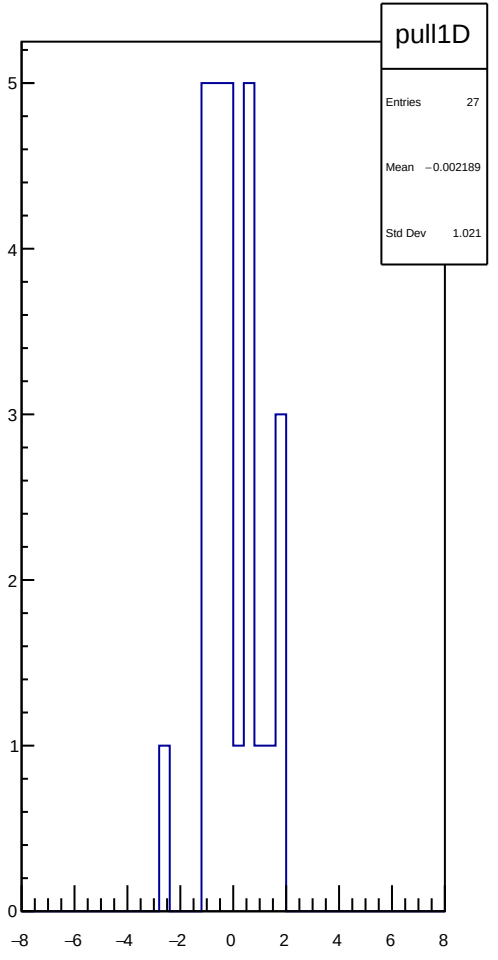

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 3337 / 26
p0 4808 ± 6.708
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

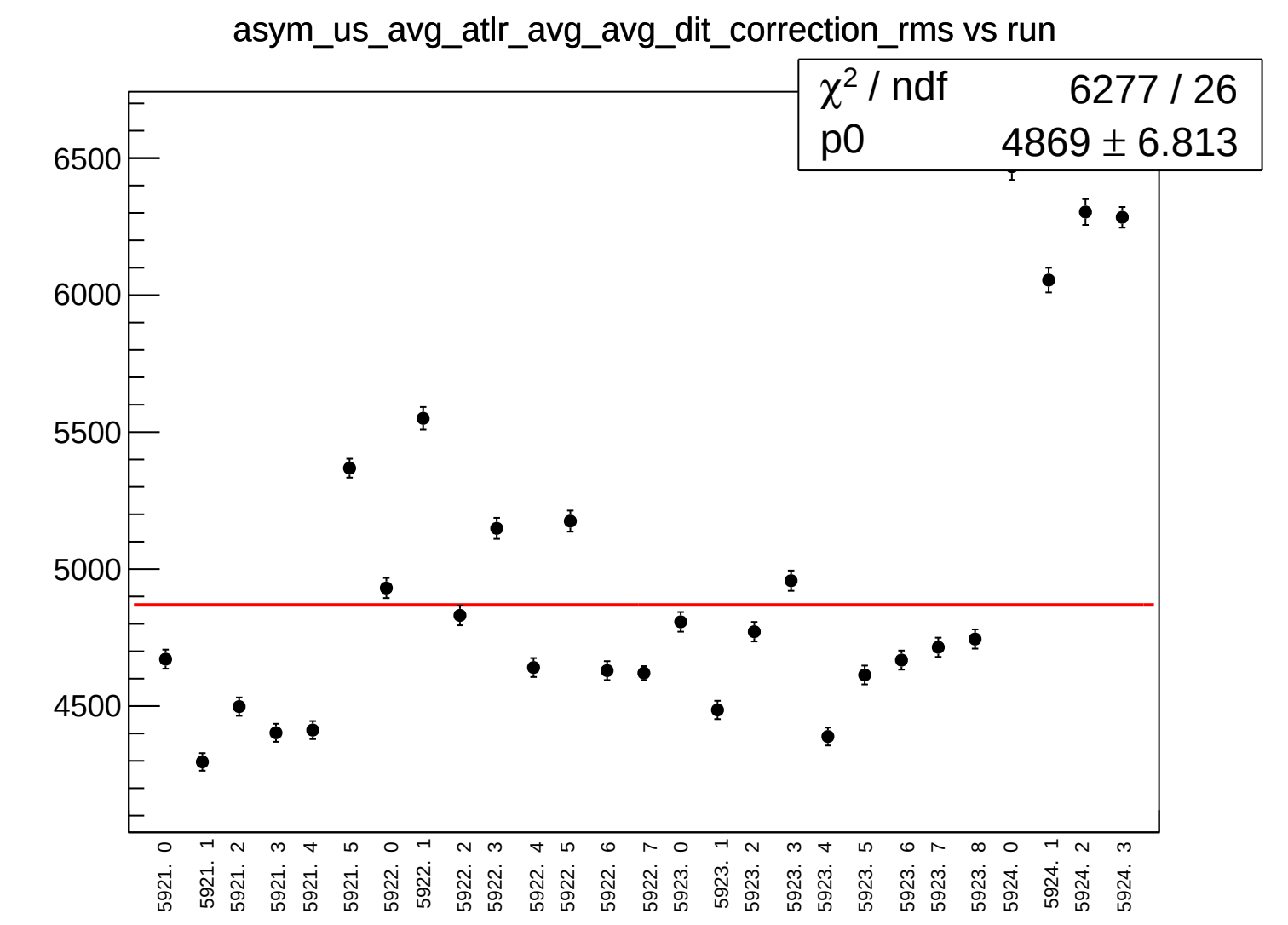

dit_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 20.95 / 26
p0 −2647 ± 3805
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −8.663
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

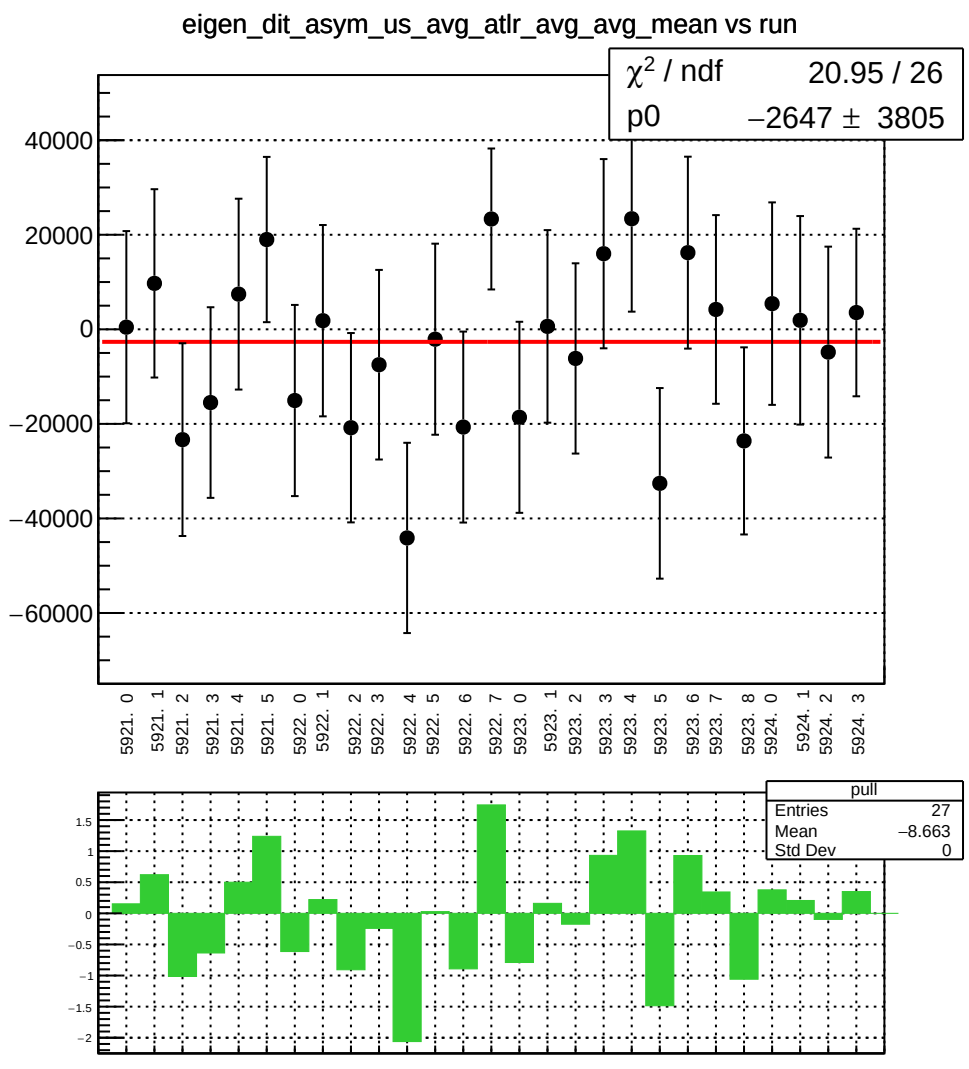

pull1D
Entries 27
Mean −0.03139
Std Dev 0.8802
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

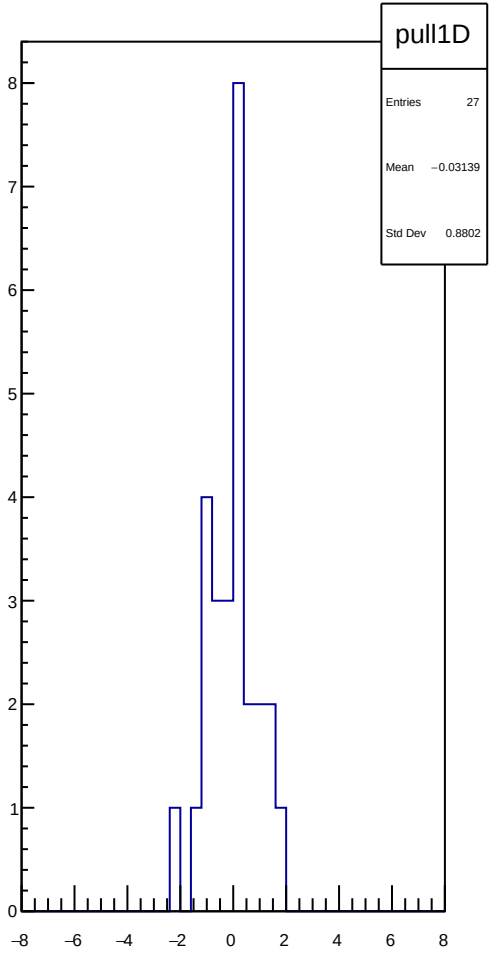

dit_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 530.1 / 26
p0 1934 ± 2.69
2150
2100
2050
2000
1950
1900
1850
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

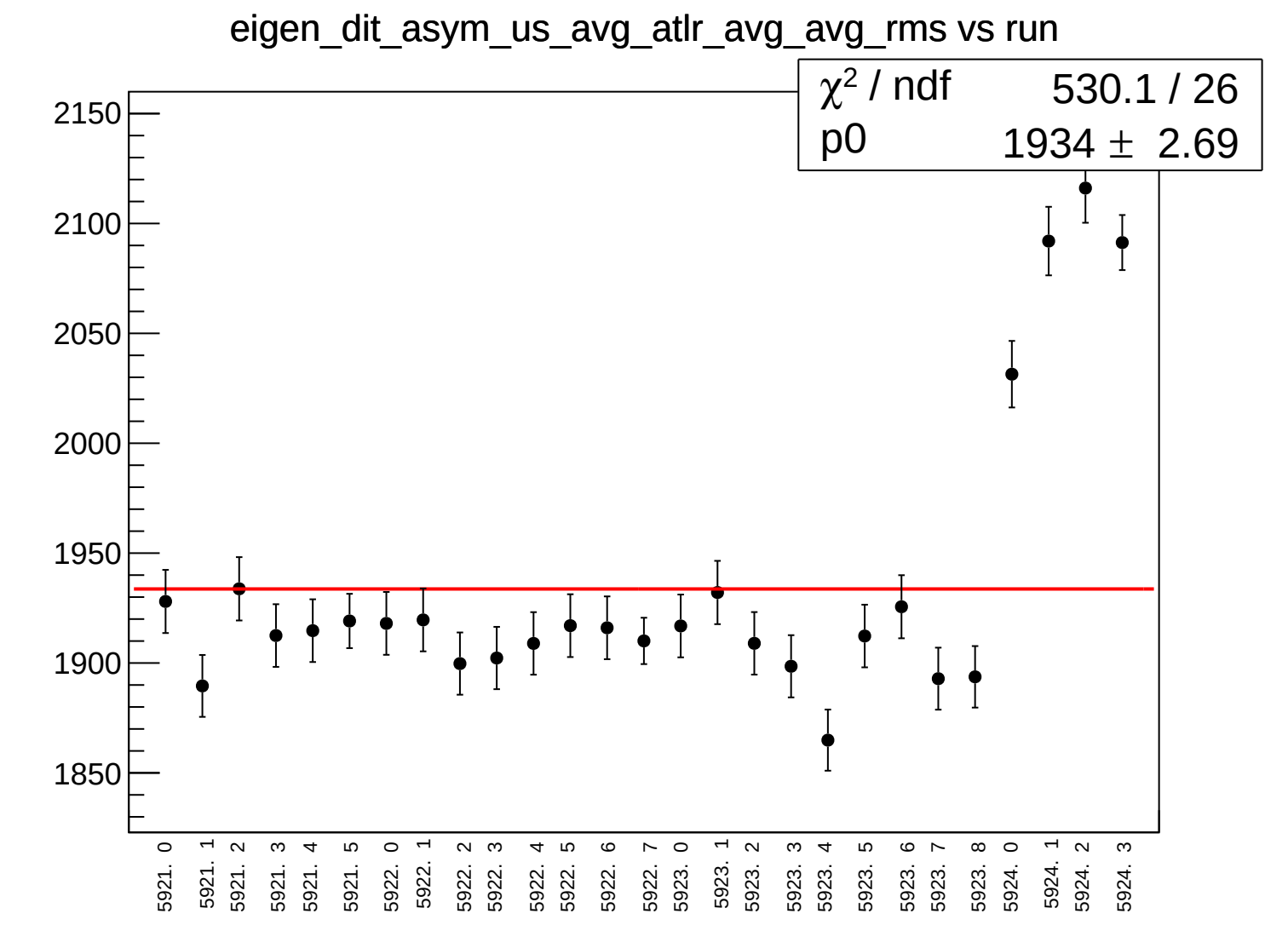

asym_us_avg_atlr_avg_avg_dit_correction_mean vs run
×10^3
χ^2 / ndf 28.14 / 26
p0 7803 ± 9634
150
100
50
0
−50
−100
−150
−200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 364.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

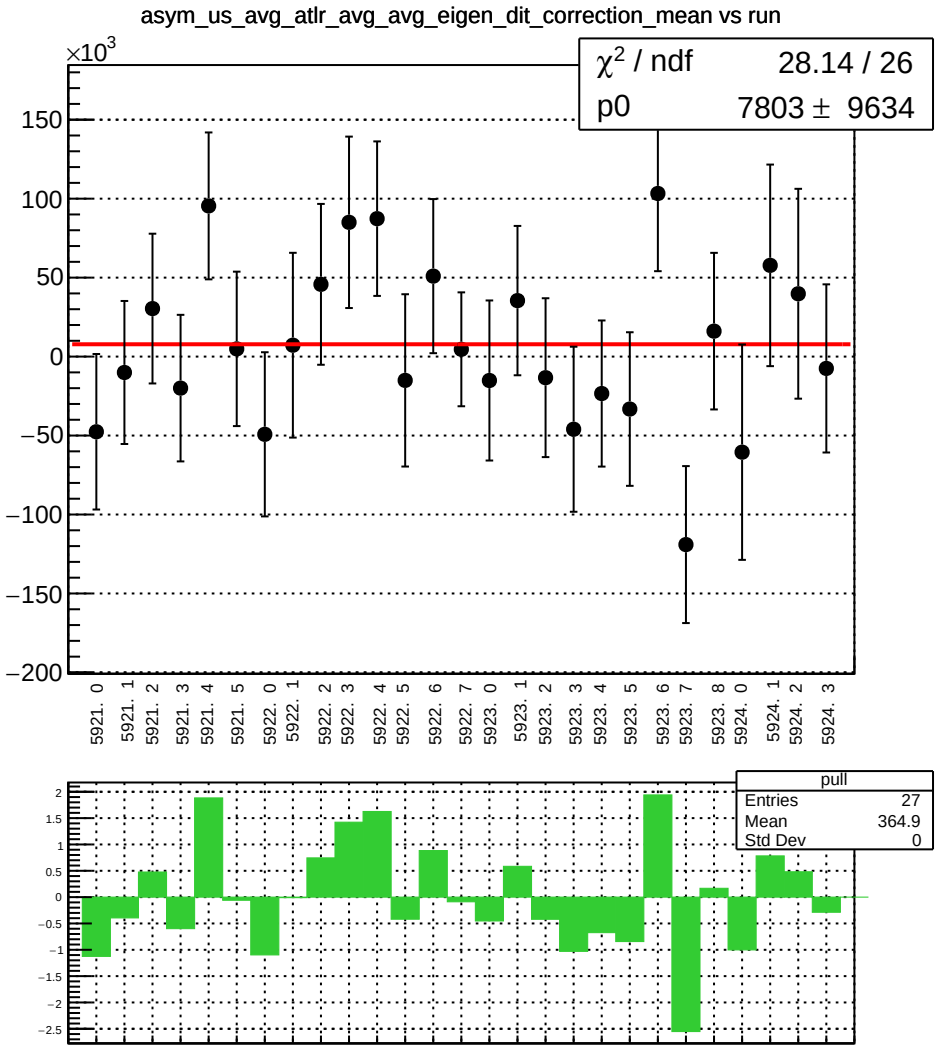

pull1D
Entries 27
Mean −0.002189
Std Dev 1.021
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

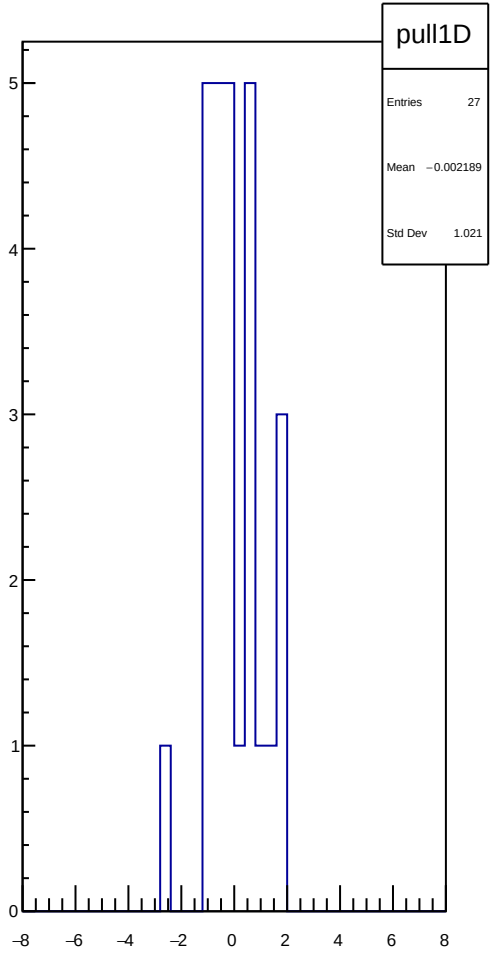

asym_us_avg_atlr_avg_avg_dit_correction_rms vs run
χ² / ndf 6277 / 26
p0 4869 ± 6.813
6500
6000
5500
5000
4500
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

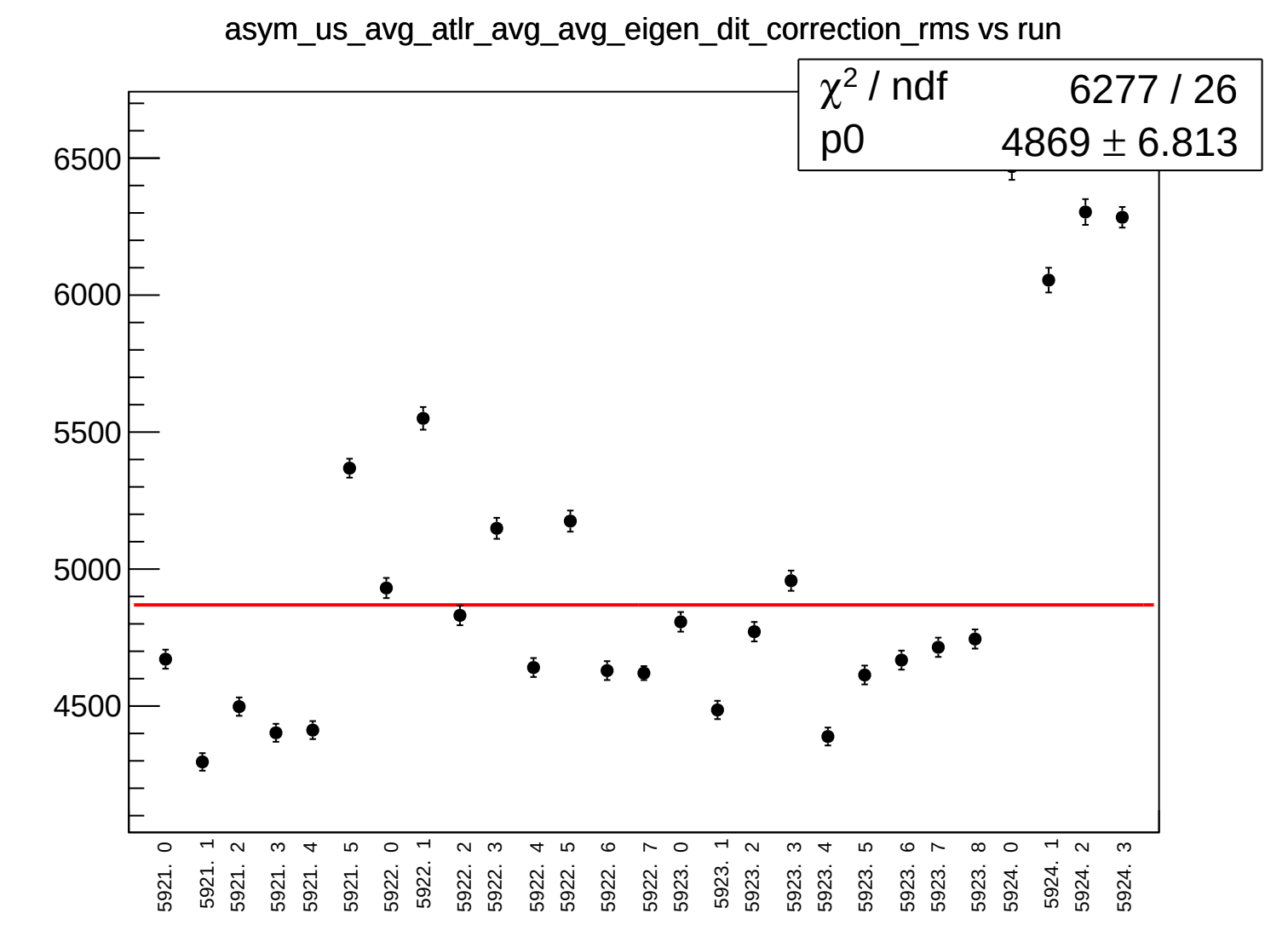

eigen_dit_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 20.95 / 26
p0 −2647 ± 3805
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −8.663
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

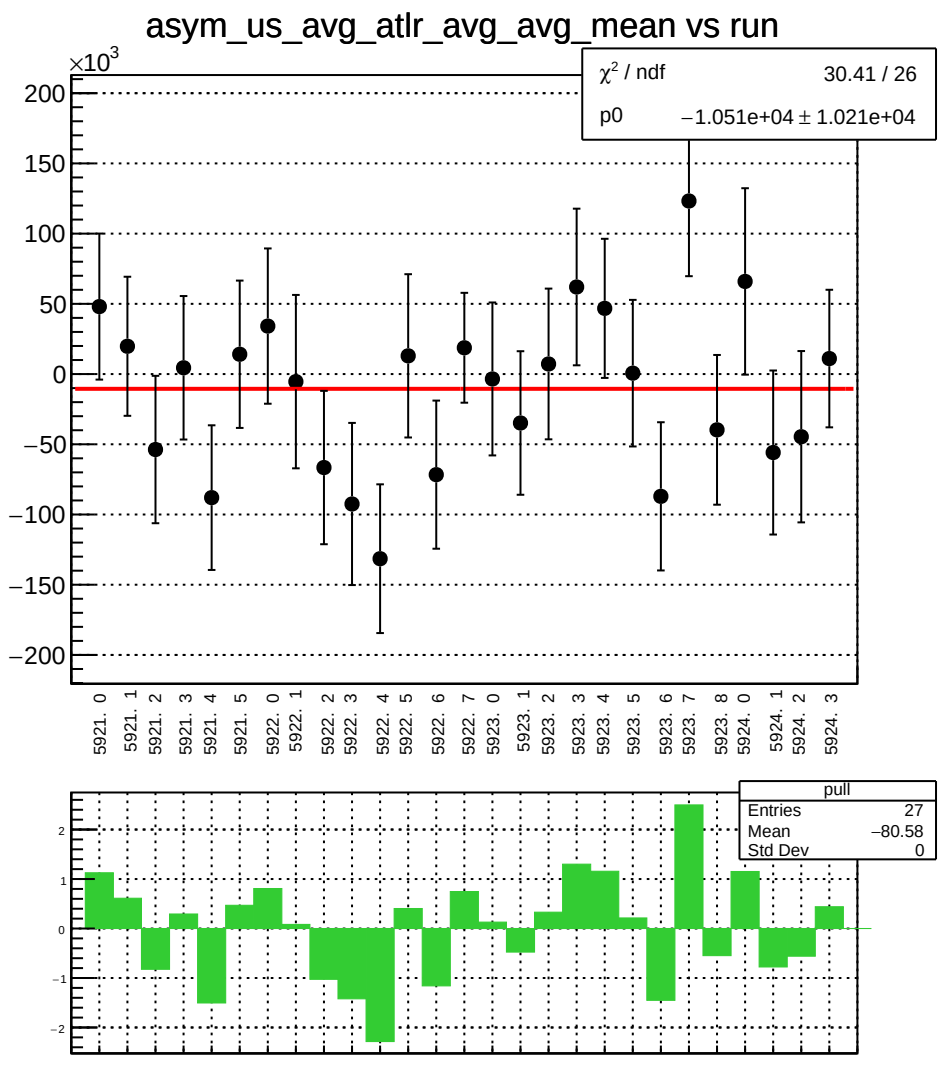

pull1D
Entries 27
Mean −0.03139
Std Dev 0.8802
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

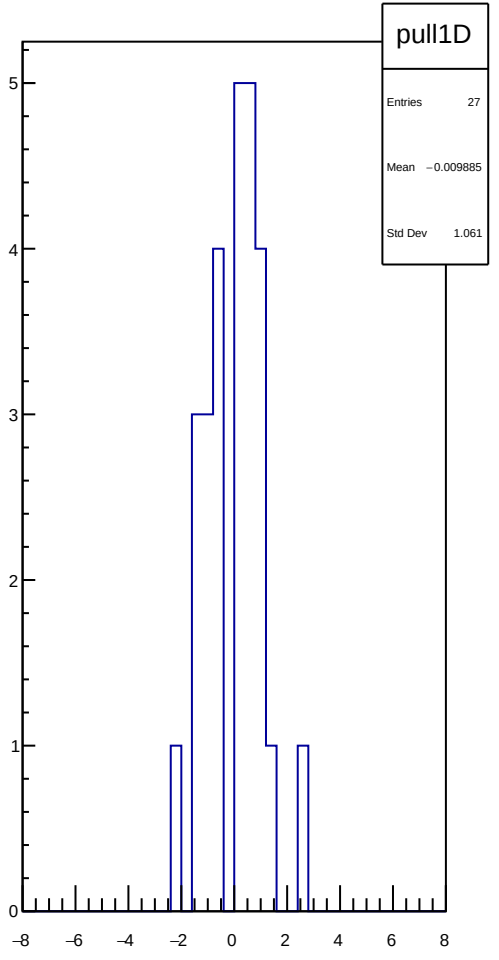

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 530.1 / 26
p0 1934 ± 2.69
2150
2100
2050
2000
1950
1900
1850
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

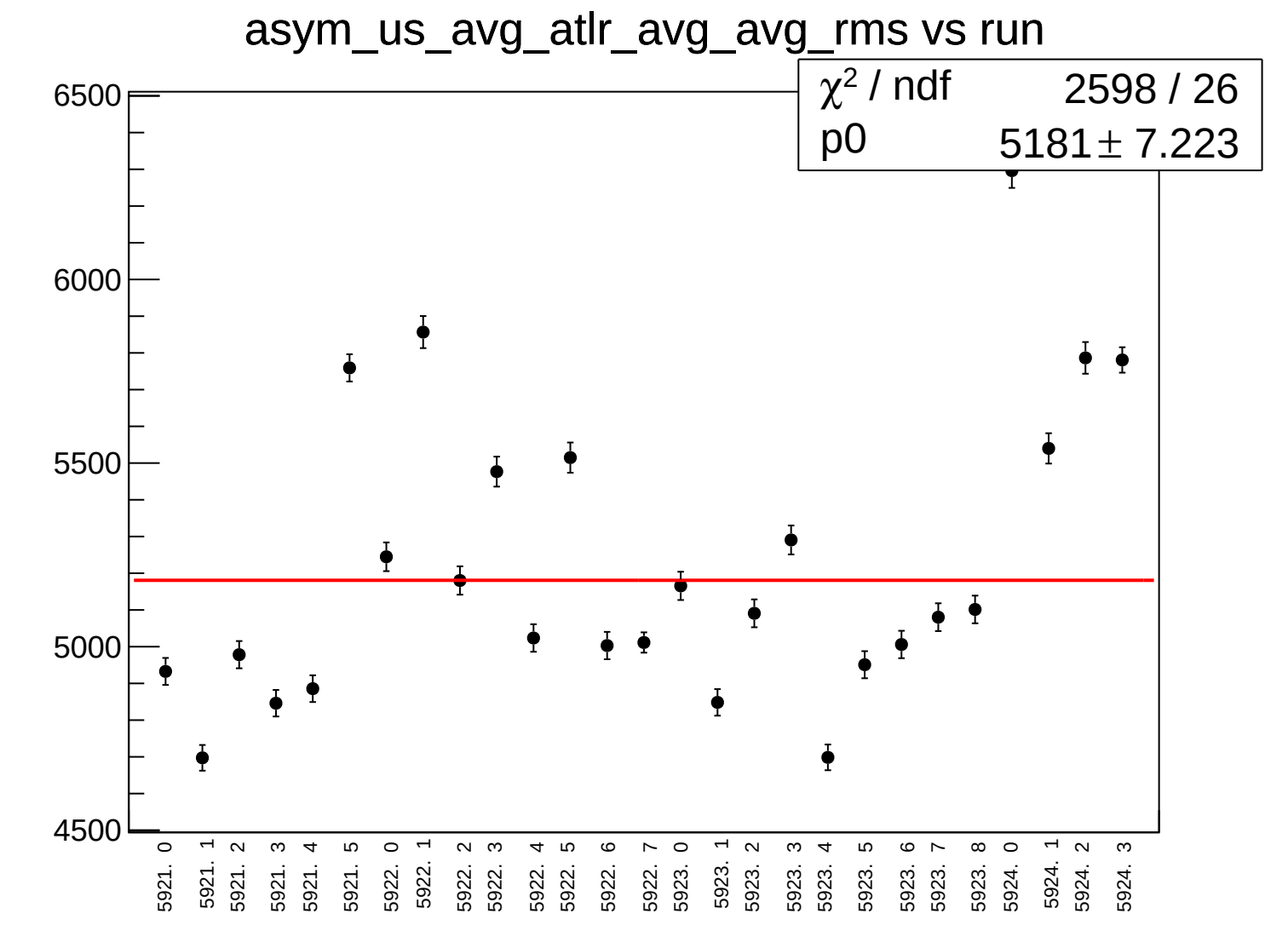

asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 28.14 / 26
p0 7803 ± 9634
150
100
50
0
−50
−100
−150
−200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 364.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

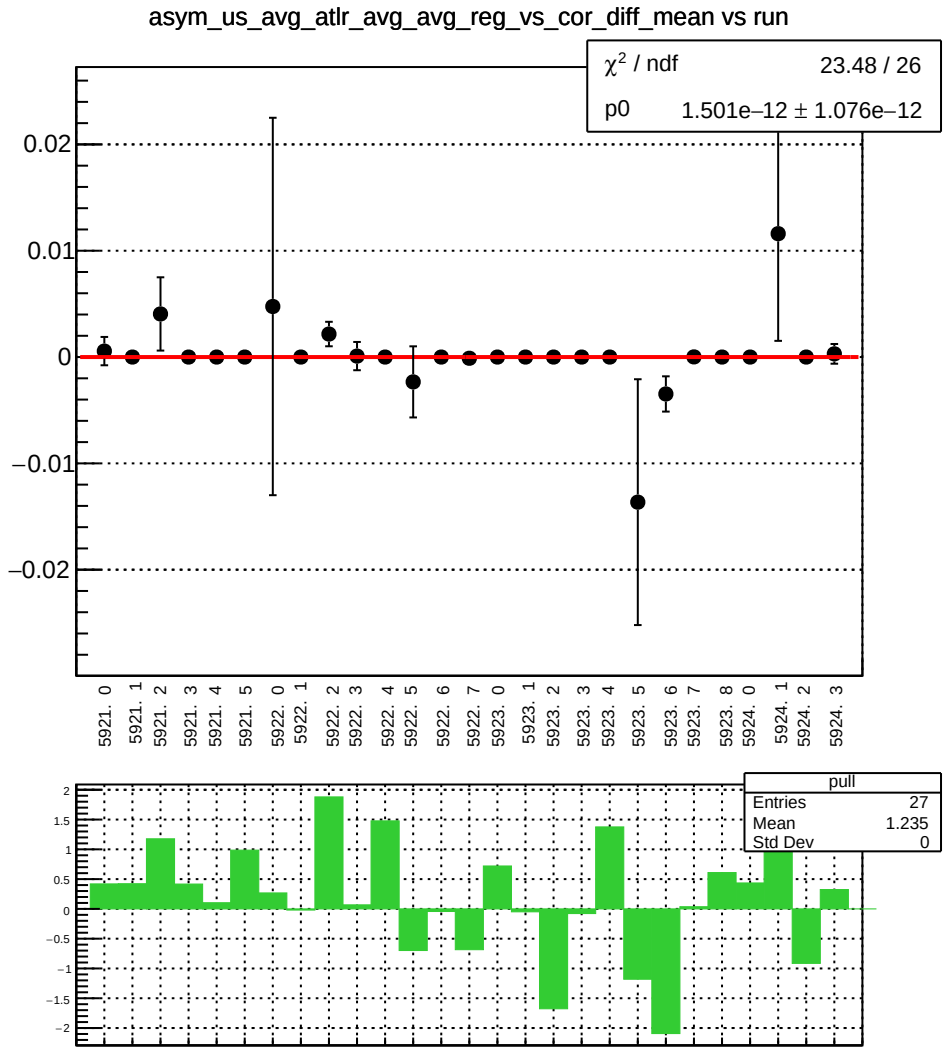

pull1D
Entries 27
Mean −0.002189
Std Dev 1.021
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

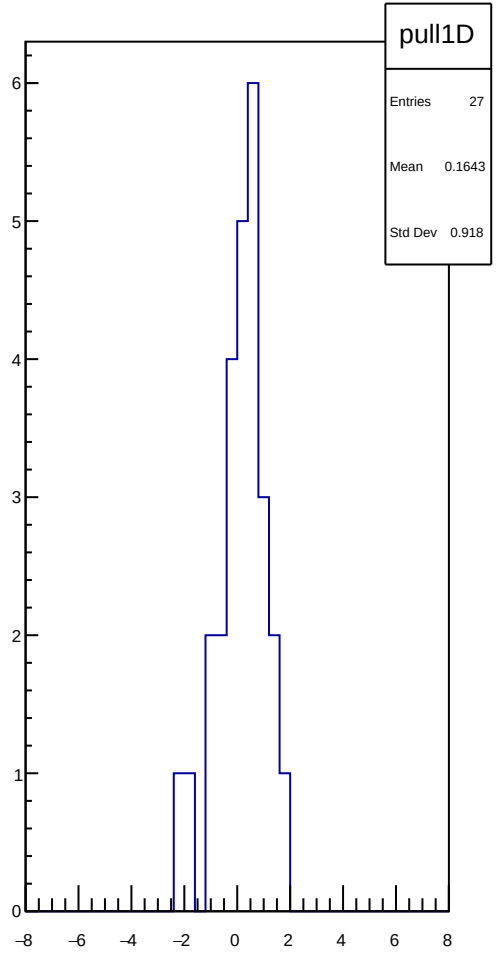

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 6277 / 26
p0 4869 ± 6.813
6500
6000
5500
5000
4500
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

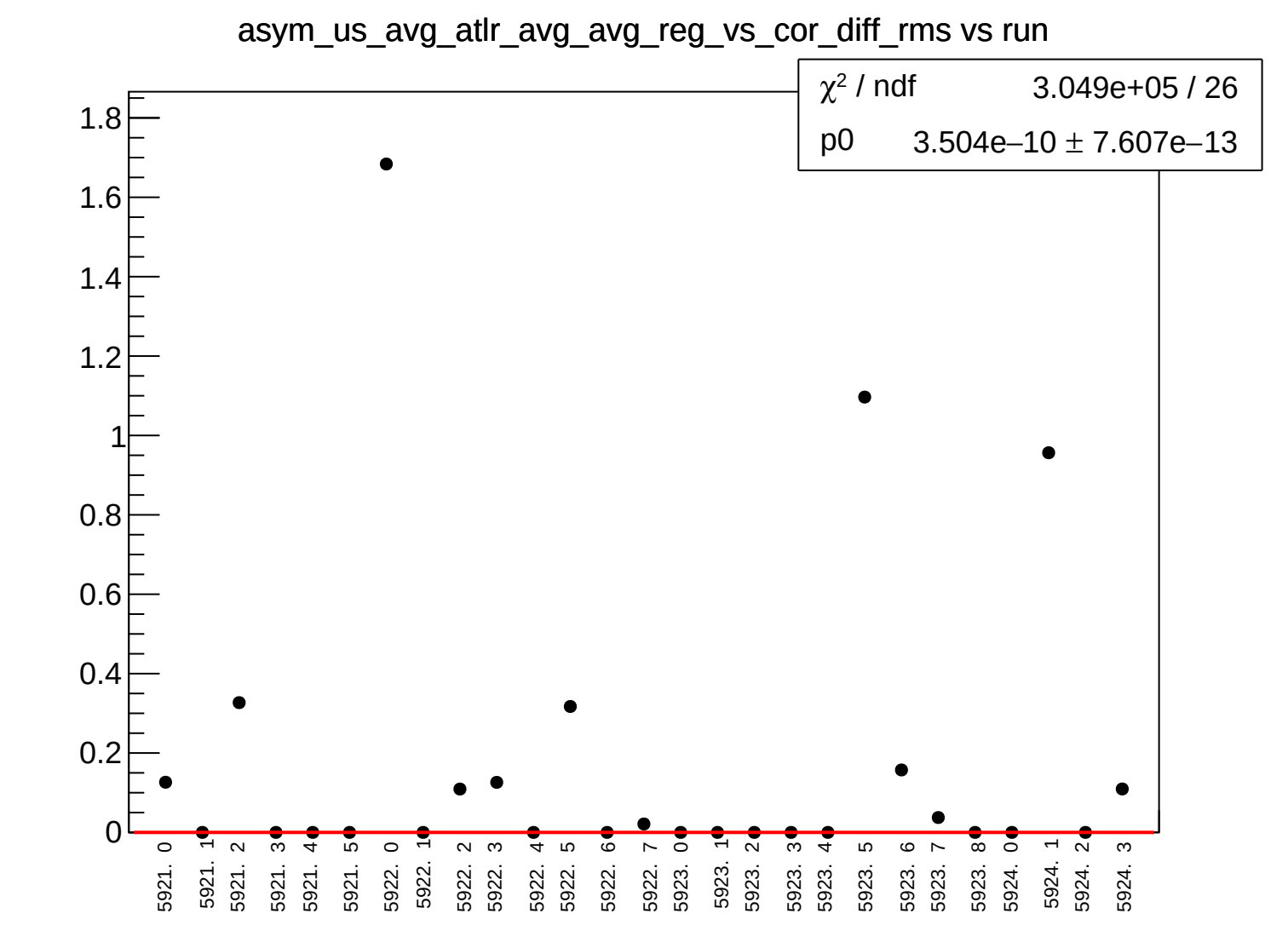

asym_us_avg_atlr_avg_avg_mean vs run
×10^3
χ² / ndf 30.41 / 26
p0 −1.051e+04 ± 1.021e+04
200
150
100
50
0
−50
−100
−150
−200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −80.58
Std Dev 0
2
1
0
−1
−2

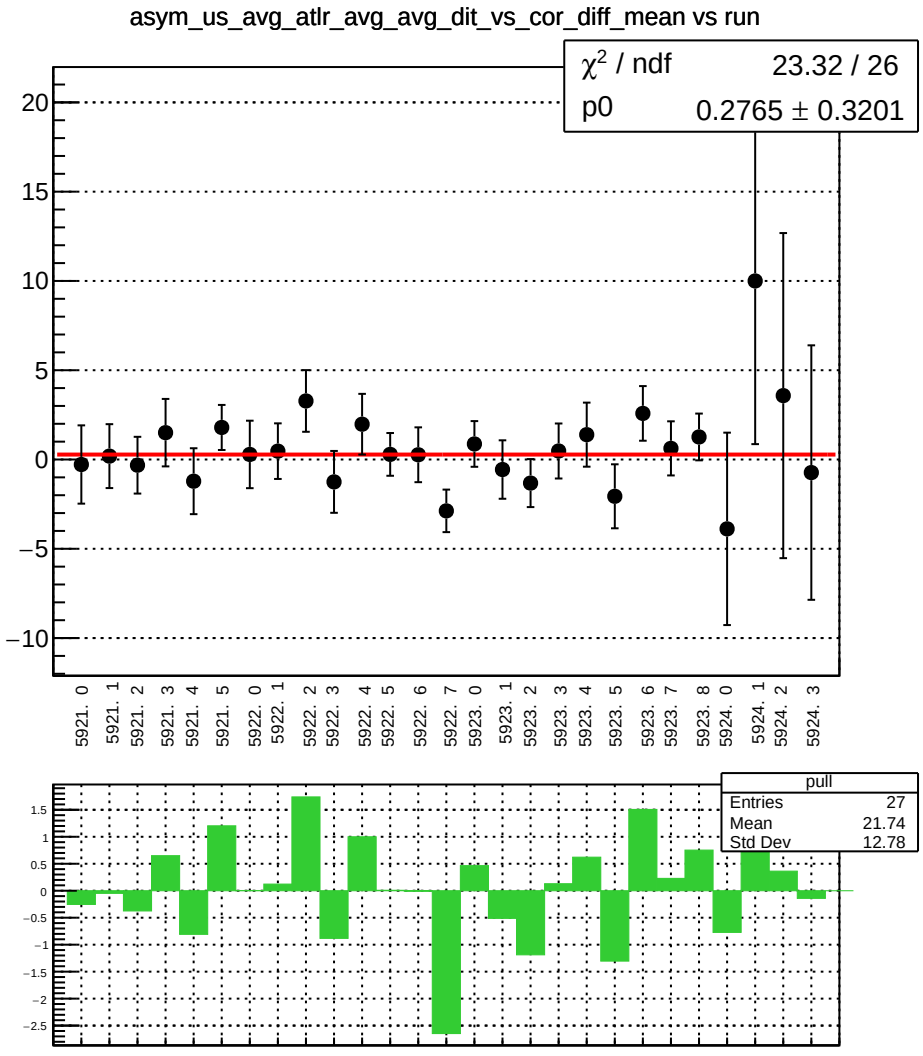

pull1D
Entries 27
Mean −0.009885
Std Dev 1.061
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

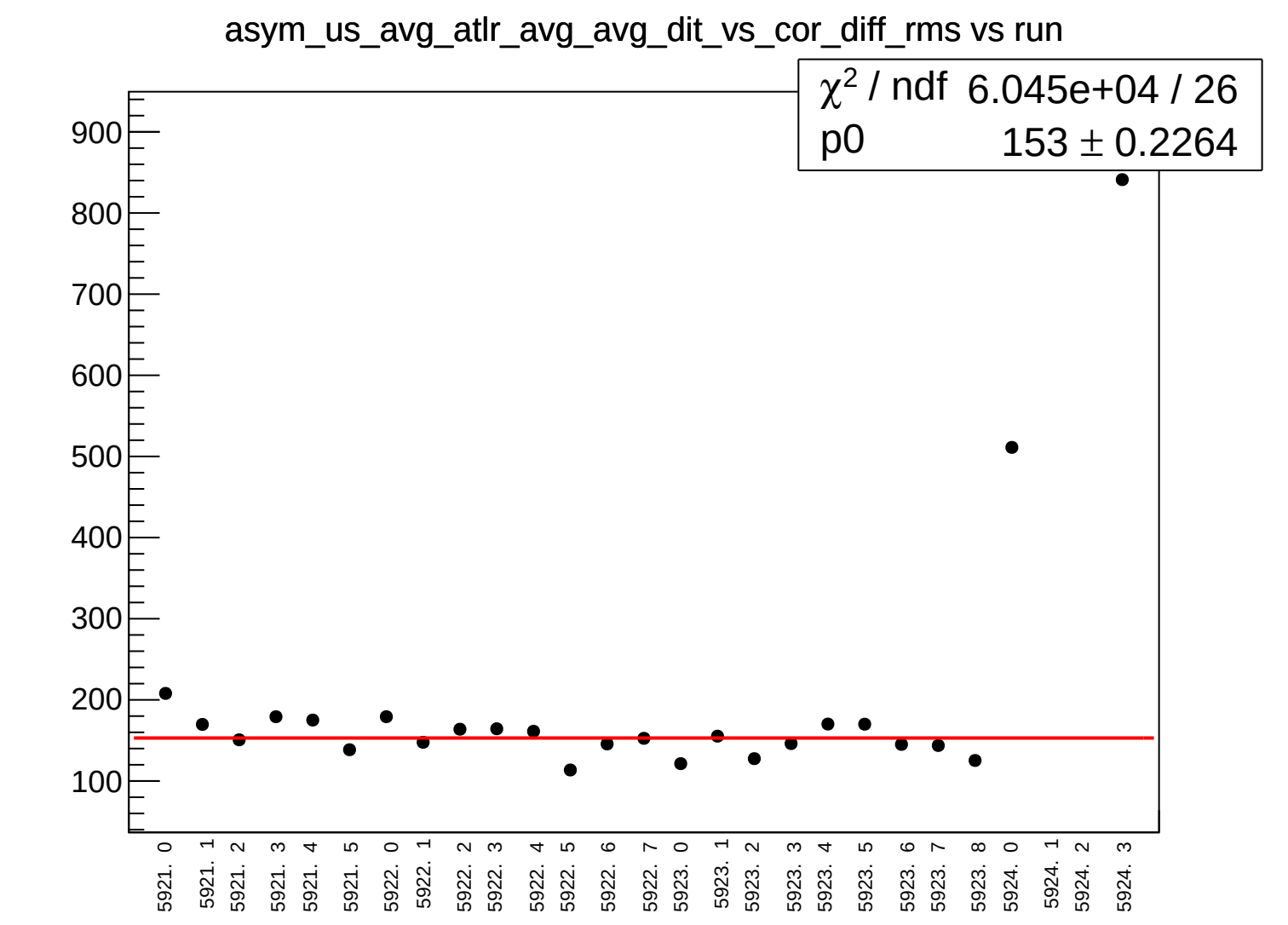

asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 2598 / 26
p0 5181 ± 7.223
6500
6000
5500
5000
4500
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

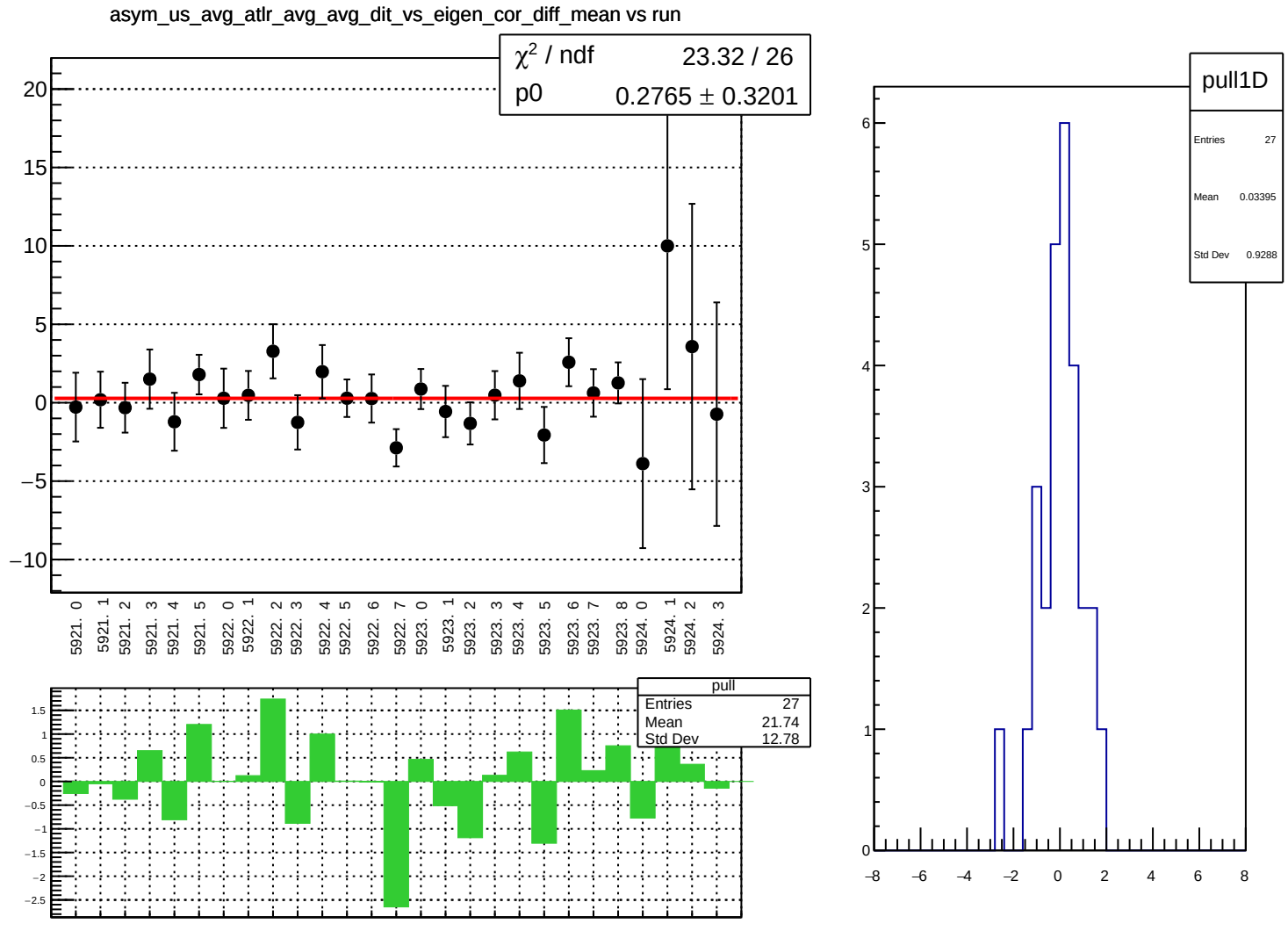

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 23.48 / 26
p0 1.501e−12 ± 1.076e−12
0.02
0.01
0
−0.01
−0.02
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 1.235
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

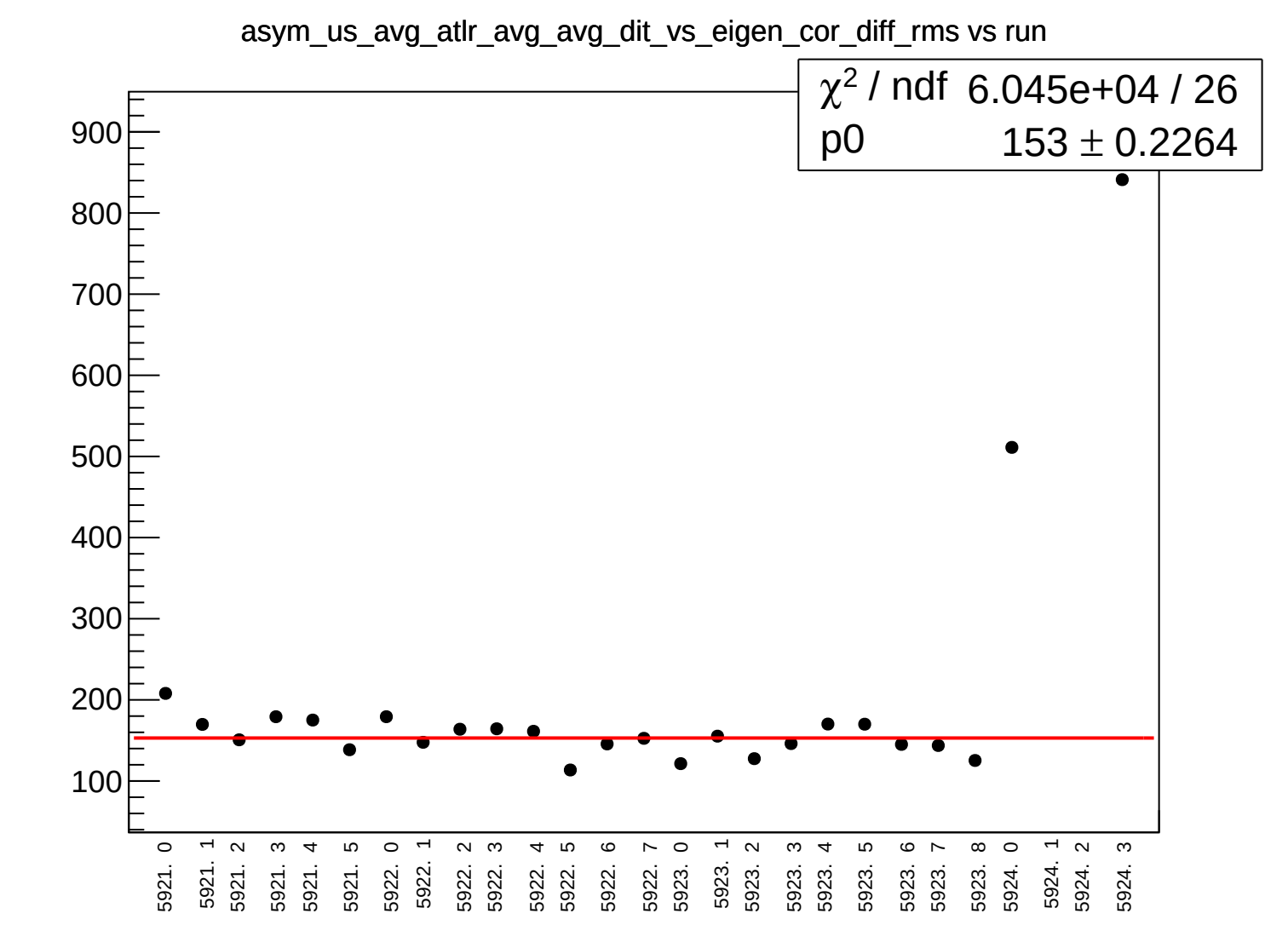

pull1D
Entries 27
Mean 0.1643
Std Dev 0.918
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

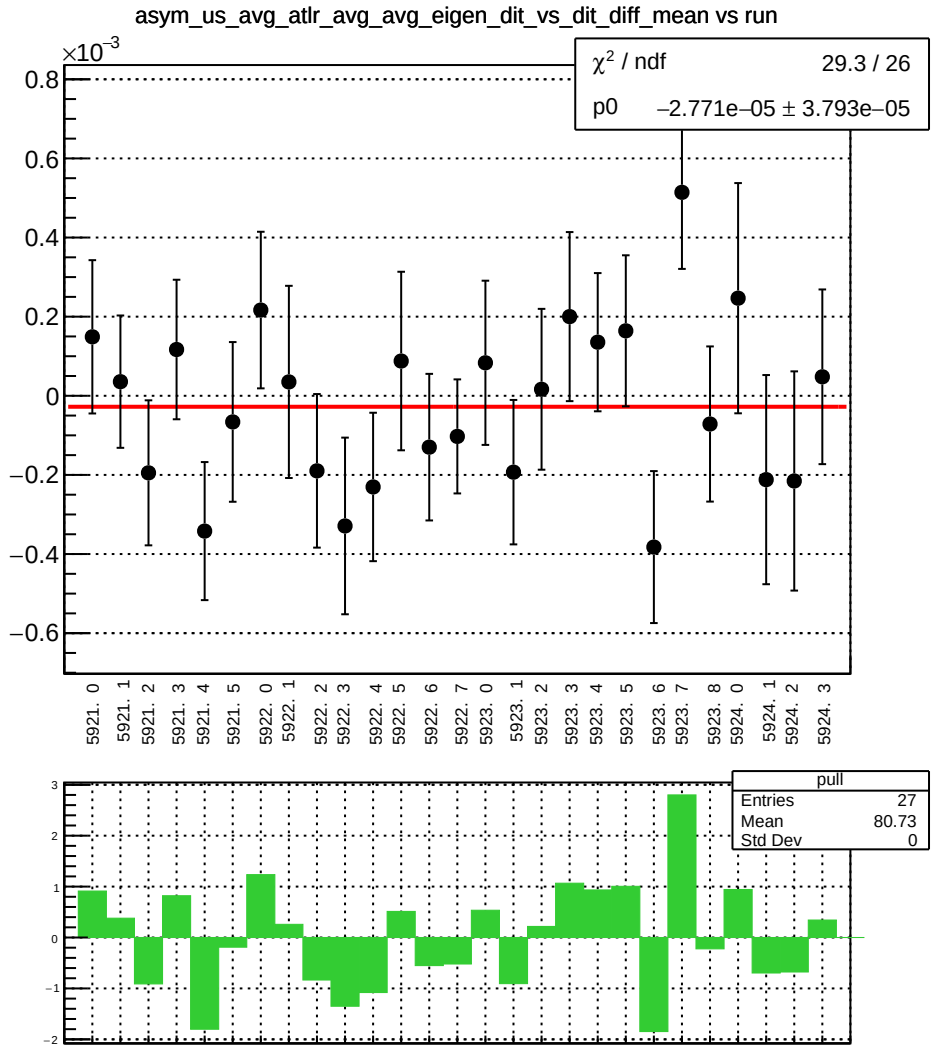

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.049e+05 / 26
p0 3.504e−10 ± 7.607e−13
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

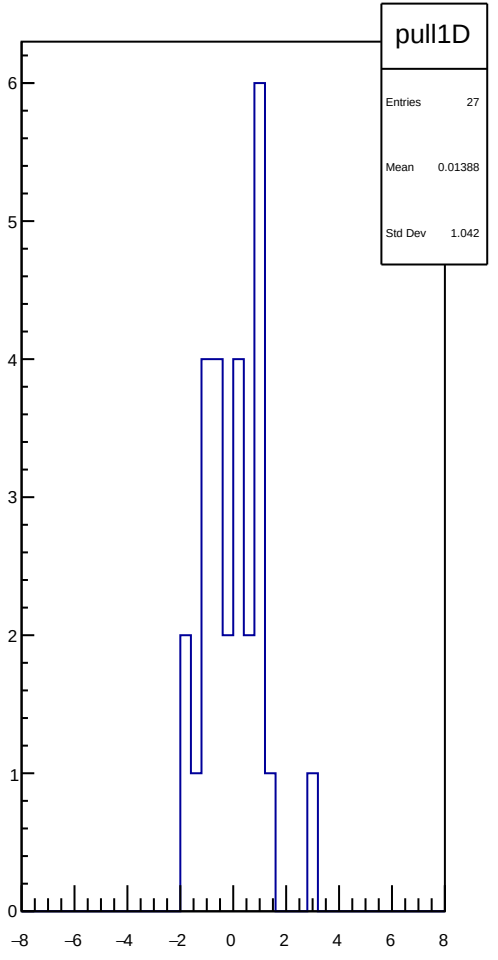

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 23.32 / 26
p0 0.2765 ± 0.3201
pull
Entries 27
Mean 21.74
Std Dev 12.78
pull1D
Entries 27
Mean 0.03395
Std Dev 0.9288

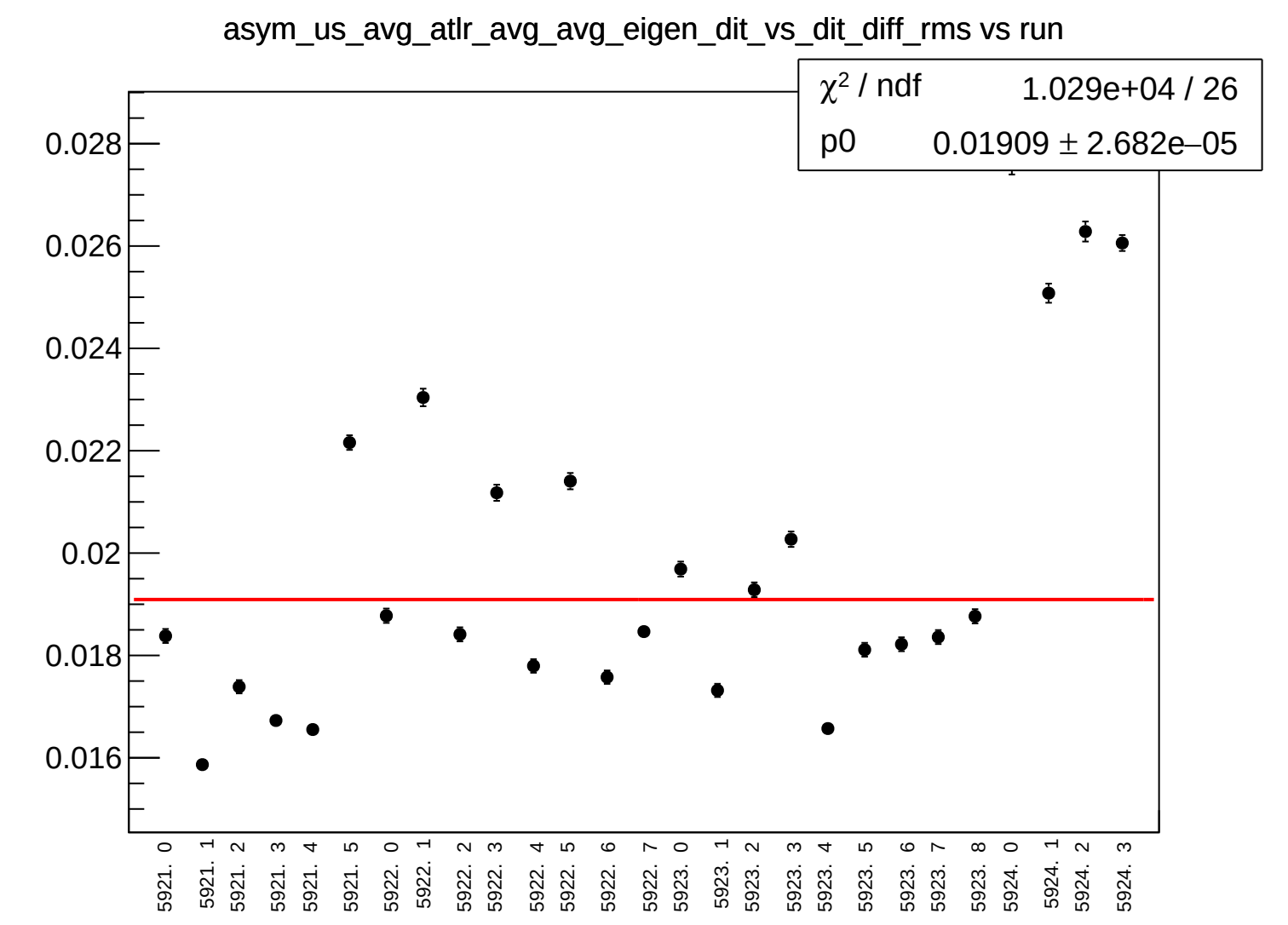

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 6.045e+04 / 26
p0 153 ± 0.2264
900
800
700
600
500
400
300
200
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

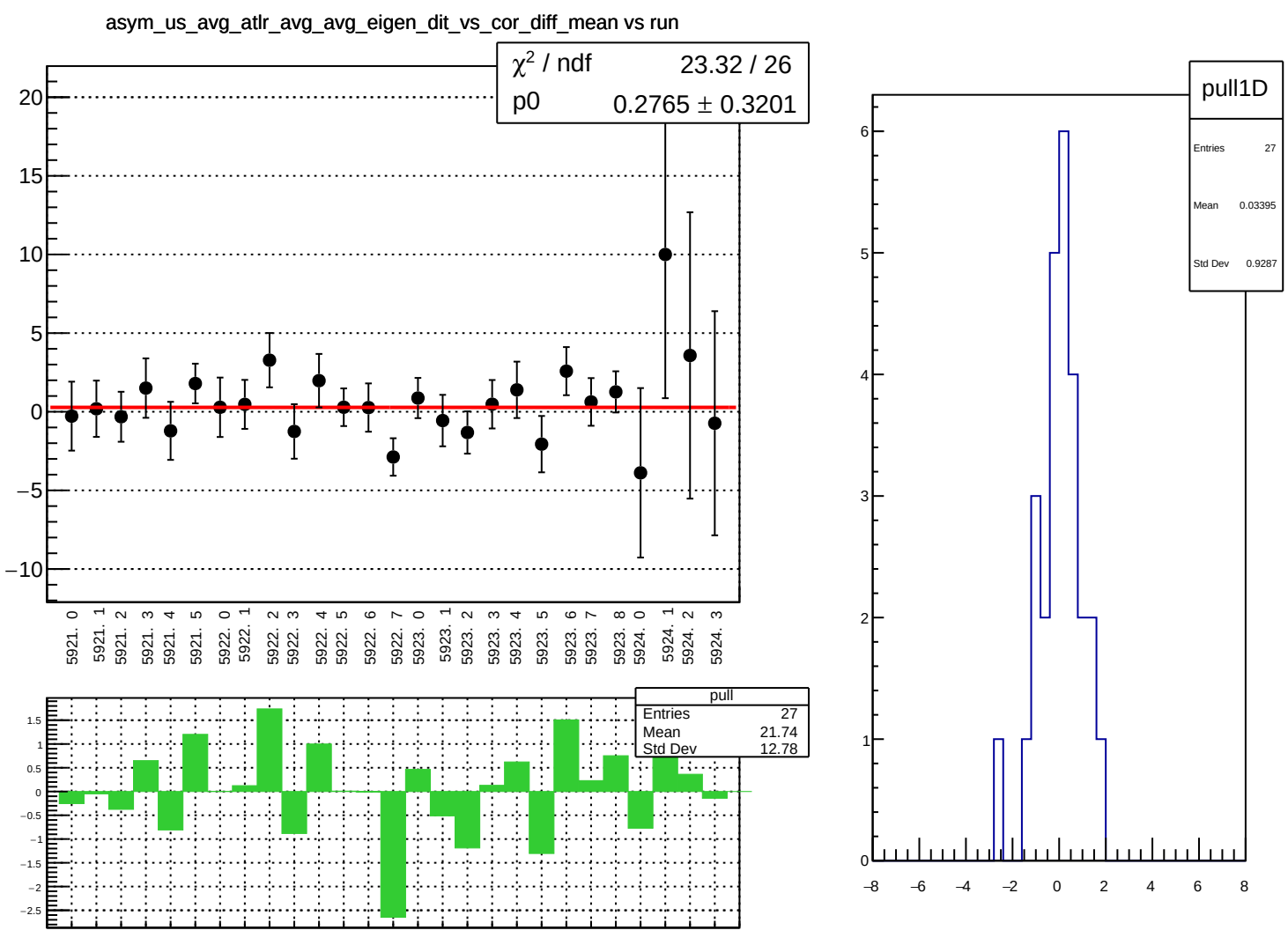

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 23.32 / 26
p0 0.2765 ± 0.3201
pull
Entries 27
Mean 21.74
Std Dev 12.78
pull1D
Entries 27
Mean 0.03395
Std Dev 0.9288

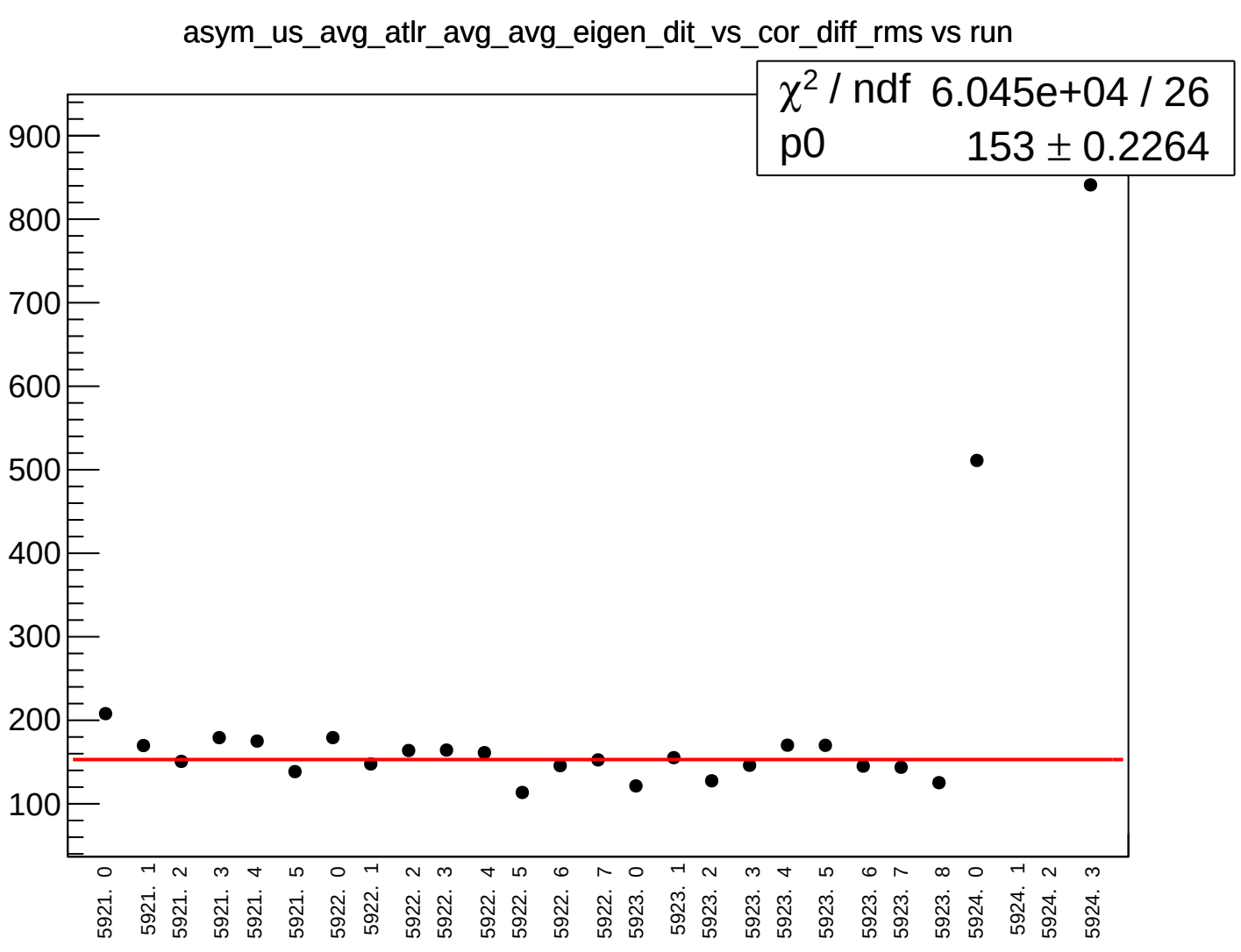

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.045e+04 / 26
p0 153 ± 0.2264
900
800
700
600
500
400
300
200
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

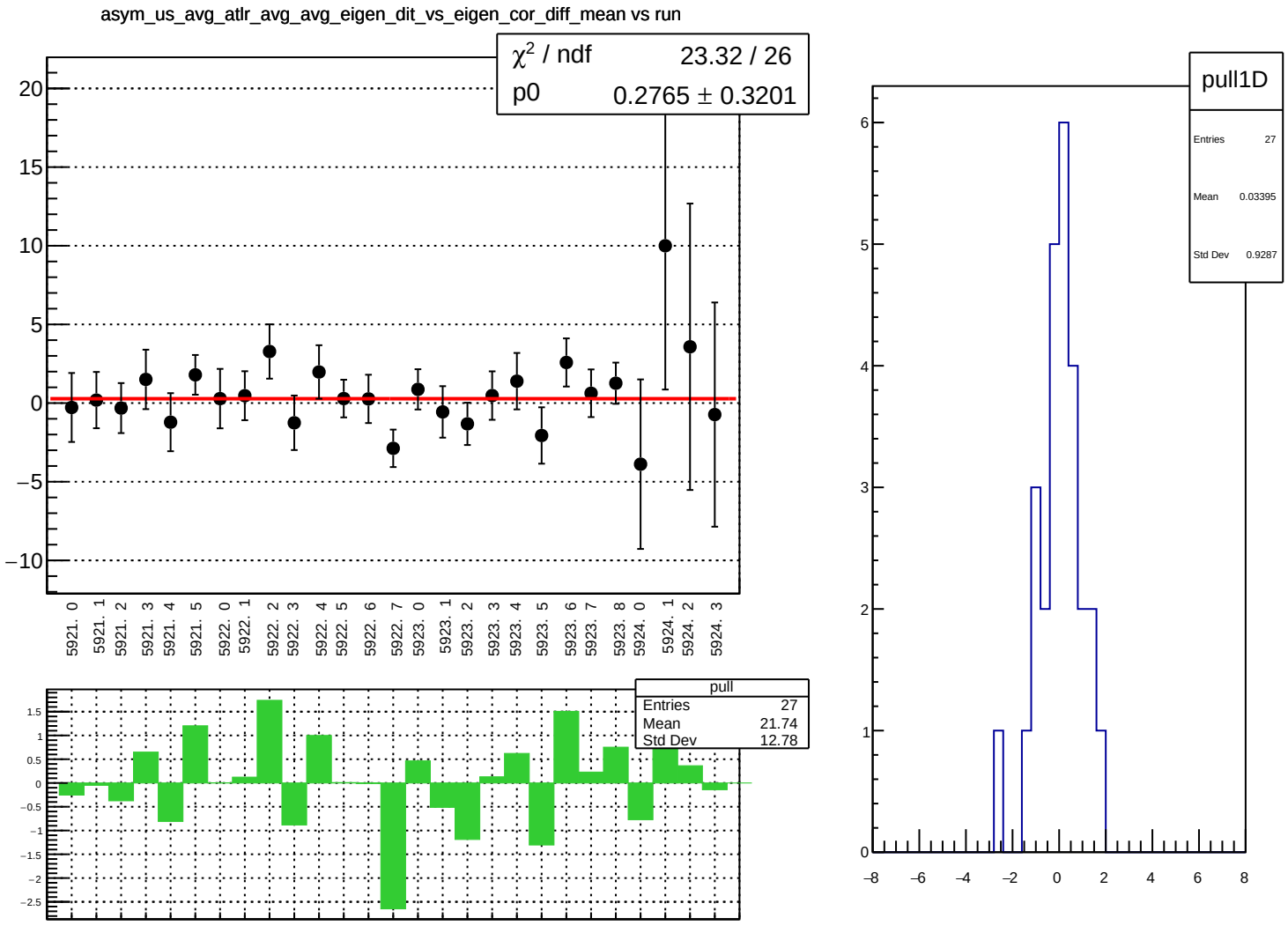

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 29.3 / 26
p0 −2.771e−05 ± 3.793e−05
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 80.73
Std Dev 0
3
2
1
0
−1
−2

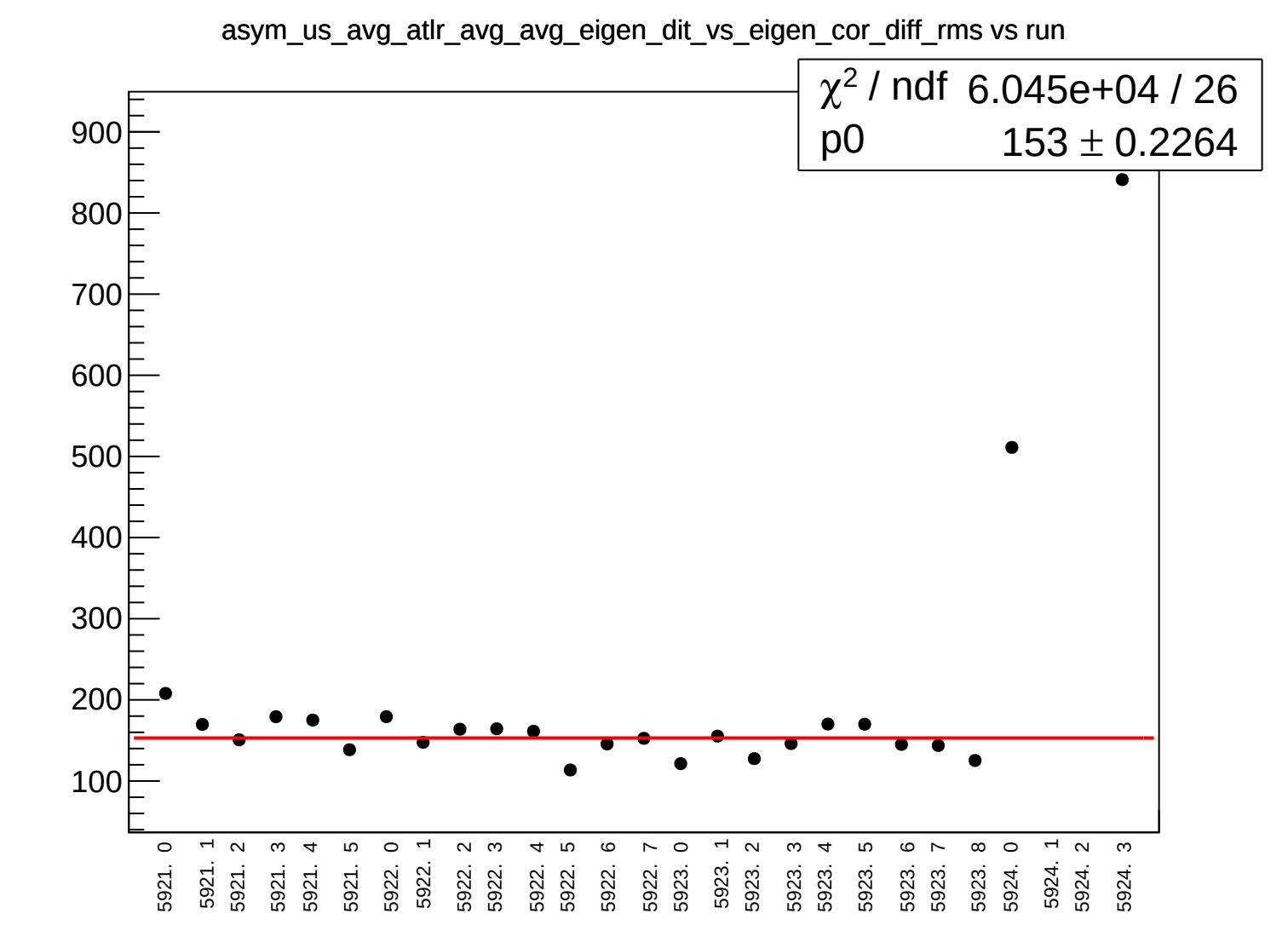

pull1D
Entries 27
Mean 0.01388
Std Dev 1.042
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

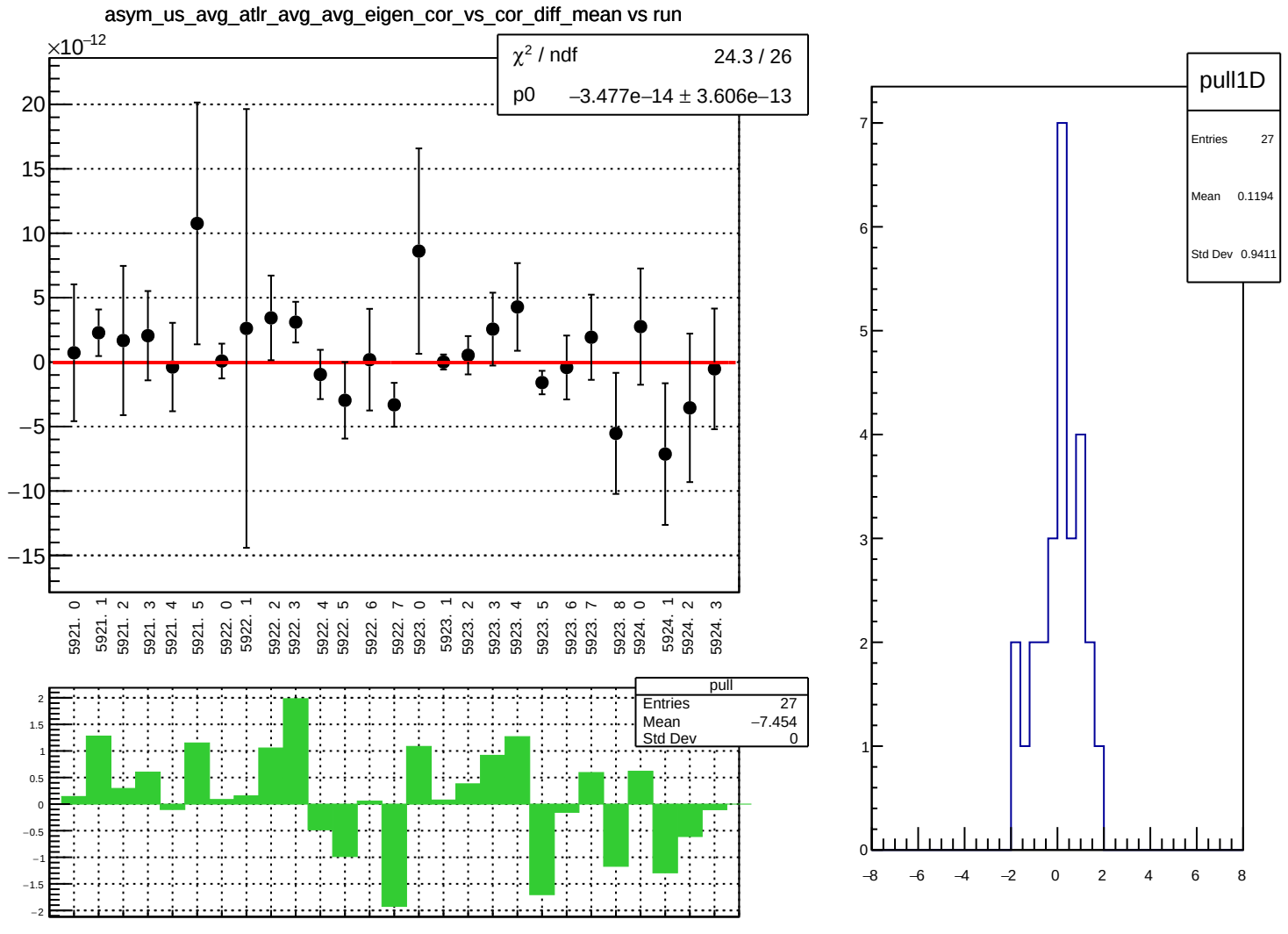

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.029e+04 / 26
p0 0.01909 ± 2.682e–05
0.028
0.026
0.024
0.022
0.02
0.018
0.016
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

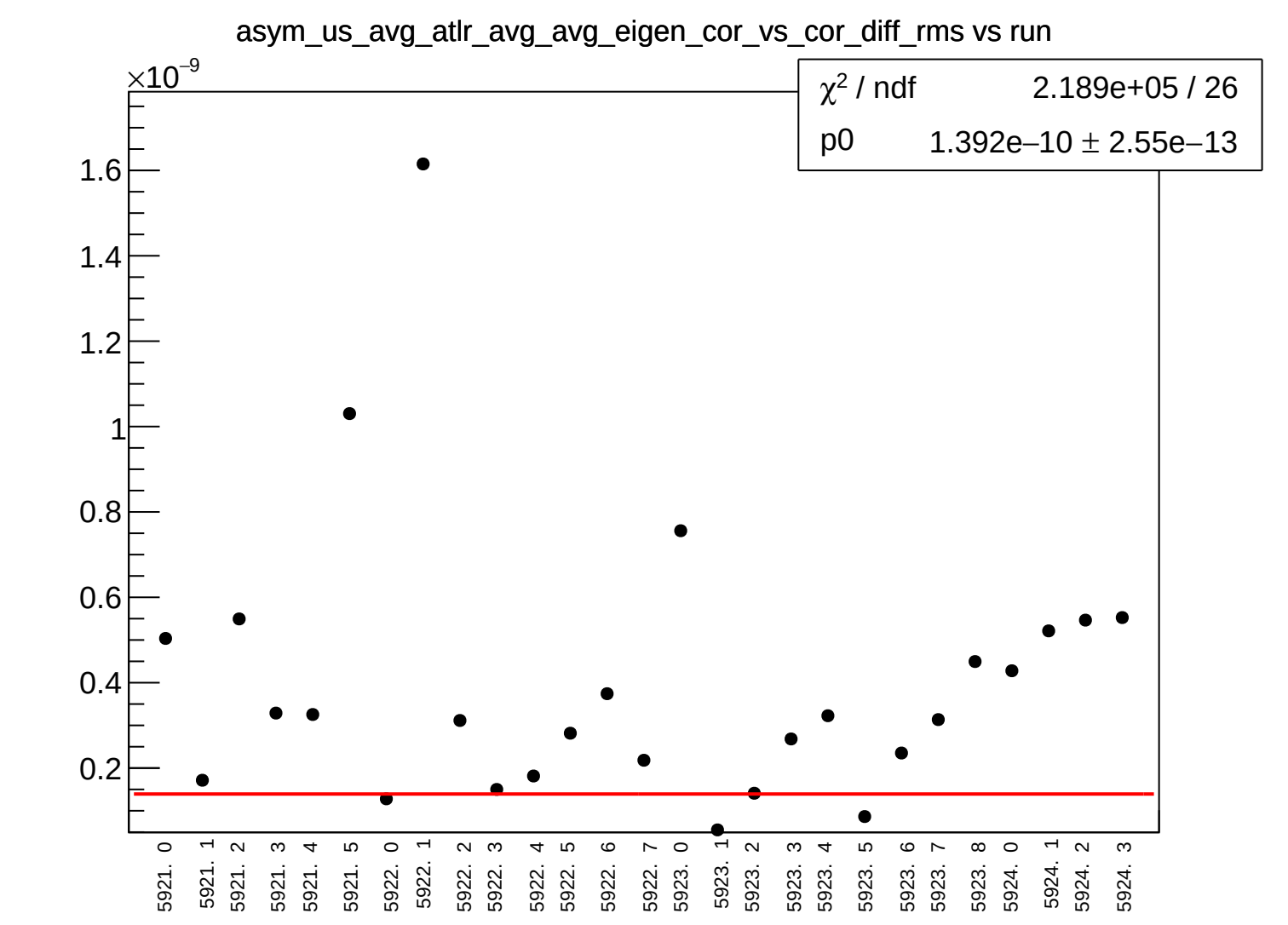

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 23.32 / 26
p0 0.2765 ± 0.3201
pull
Entries 27
Mean 21.74
Std Dev 12.78
pull1D
Entries 27
Mean 0.03395
Std Dev 0.9287

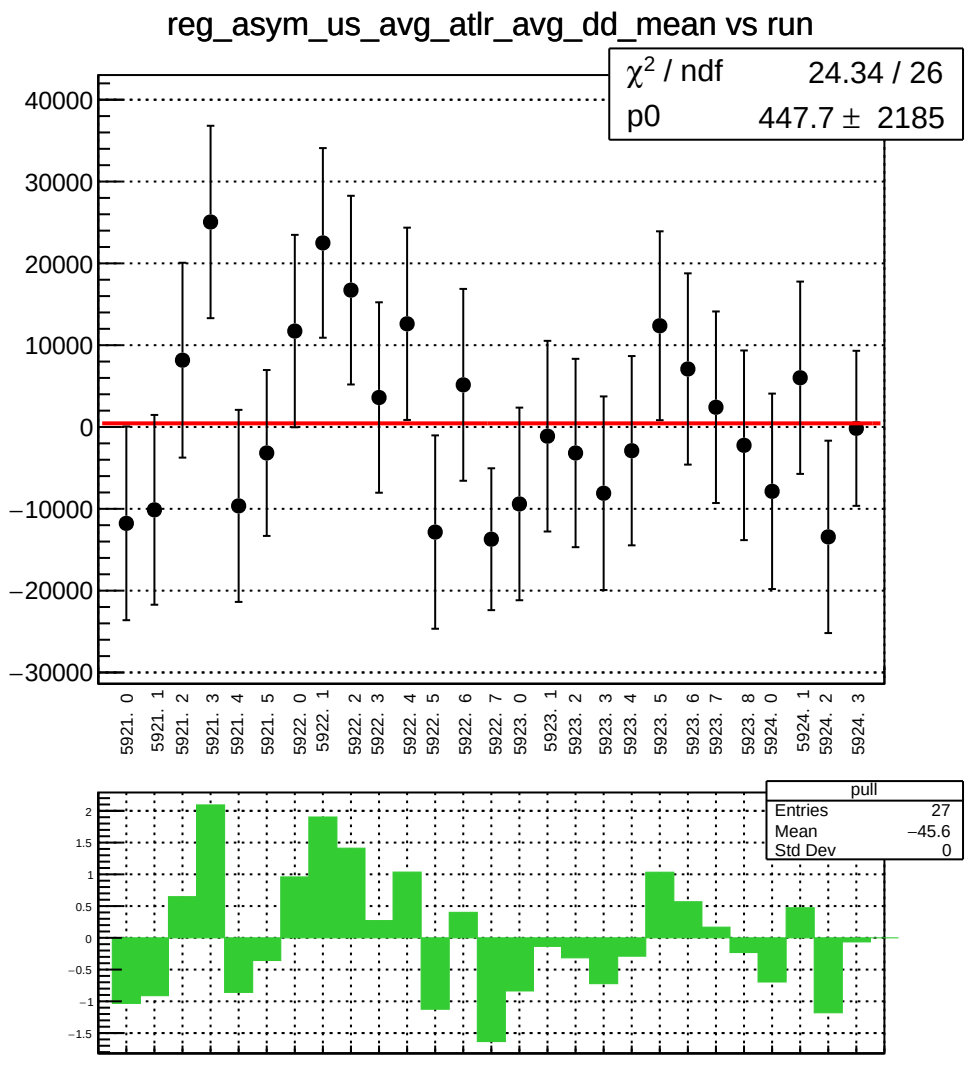

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.045e+04 / 26
p0 153 ± 0.2264
900
800
700
600
500
400
300
200
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

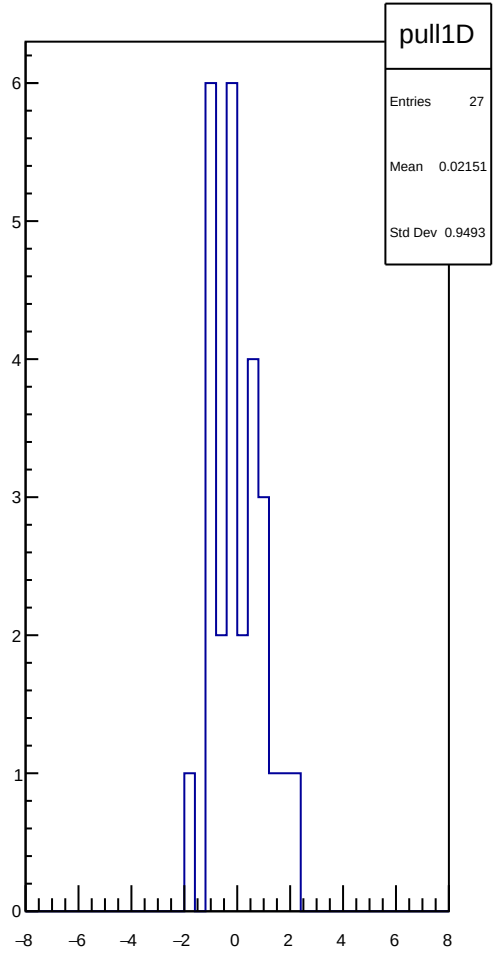

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 23.32 / 26
p0 0.2765 ± 0.3201
20
15
10
5
0
−5
−10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 21.74
Std Dev 12.78
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean 0.03395
Std Dev 0.9287
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

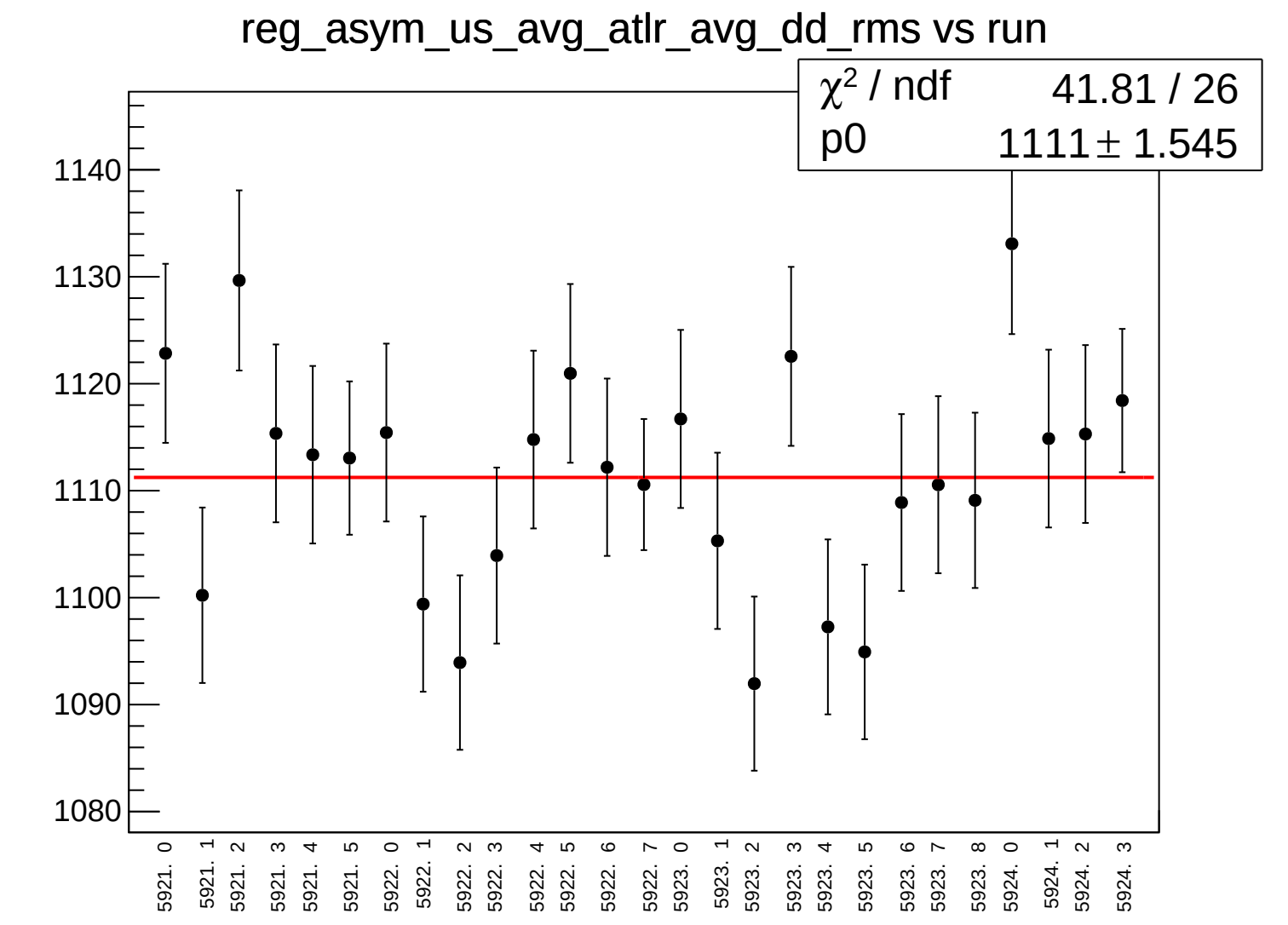

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.045e+04 / 26
p0 153 ± 0.2264
900
800
700
600
500
400
300
200
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

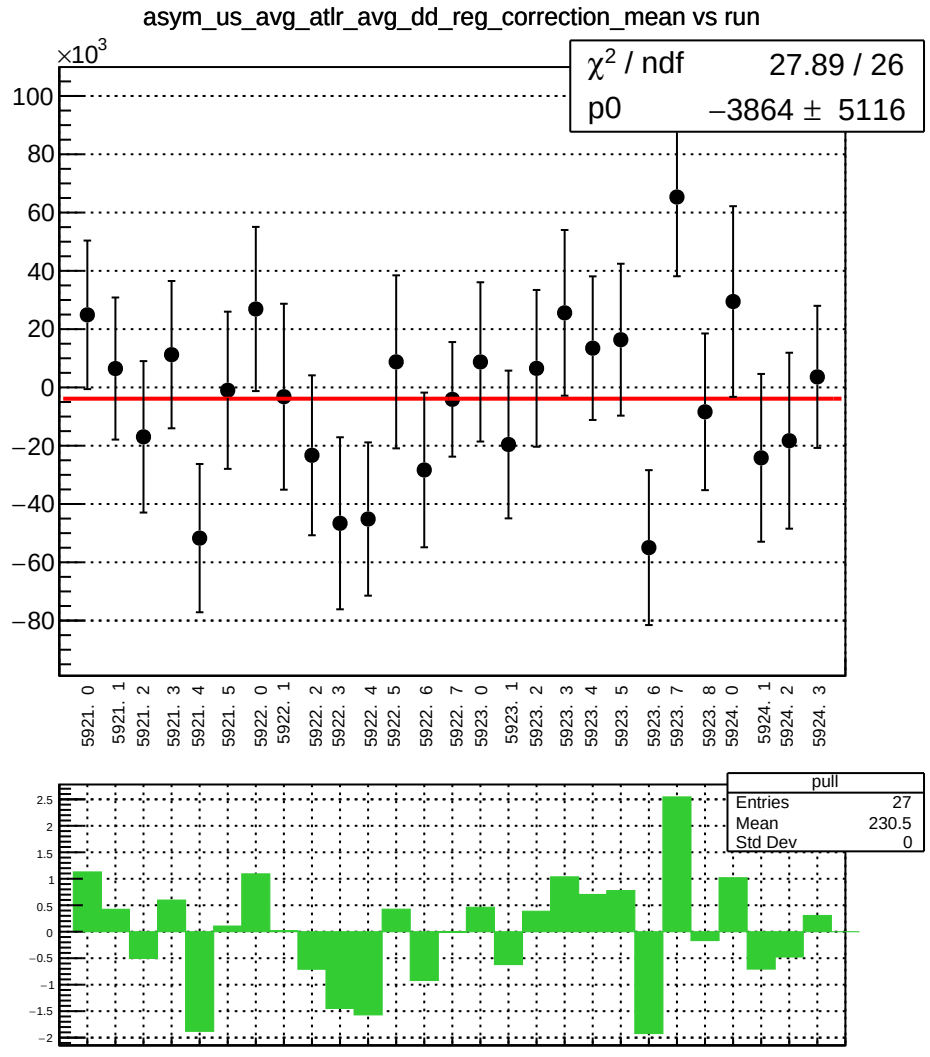

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 24.3 / 26
p0 −3.477e−14 ± 3.606e−13
20
15
10
5
0
−5
−10
−15
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −7.454
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean 0.1194
Std Dev 0.9411
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

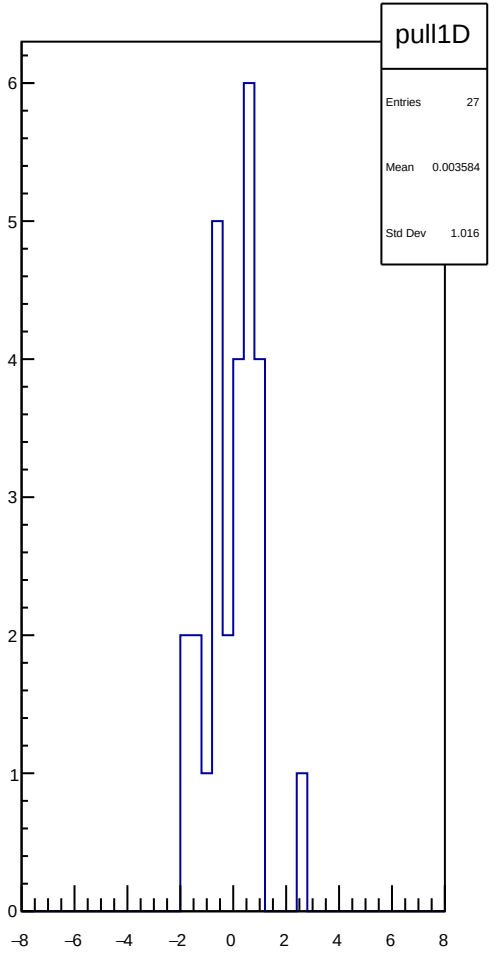

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.189e+05 / 26
p0 1.392e−10 ± 2.55e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

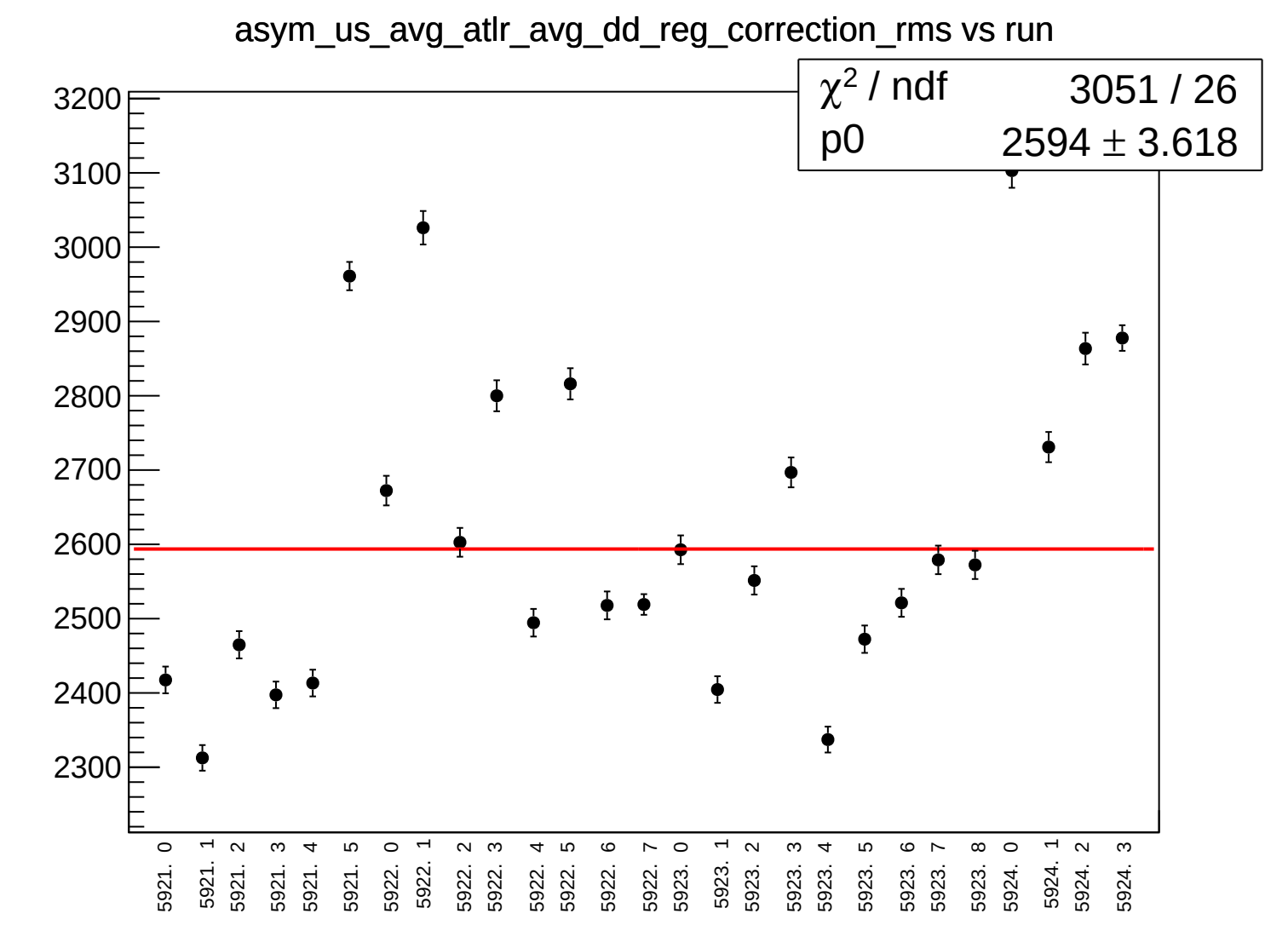

reg_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 24.34 / 26
p0 447.7 ± 2185
40000
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −45.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

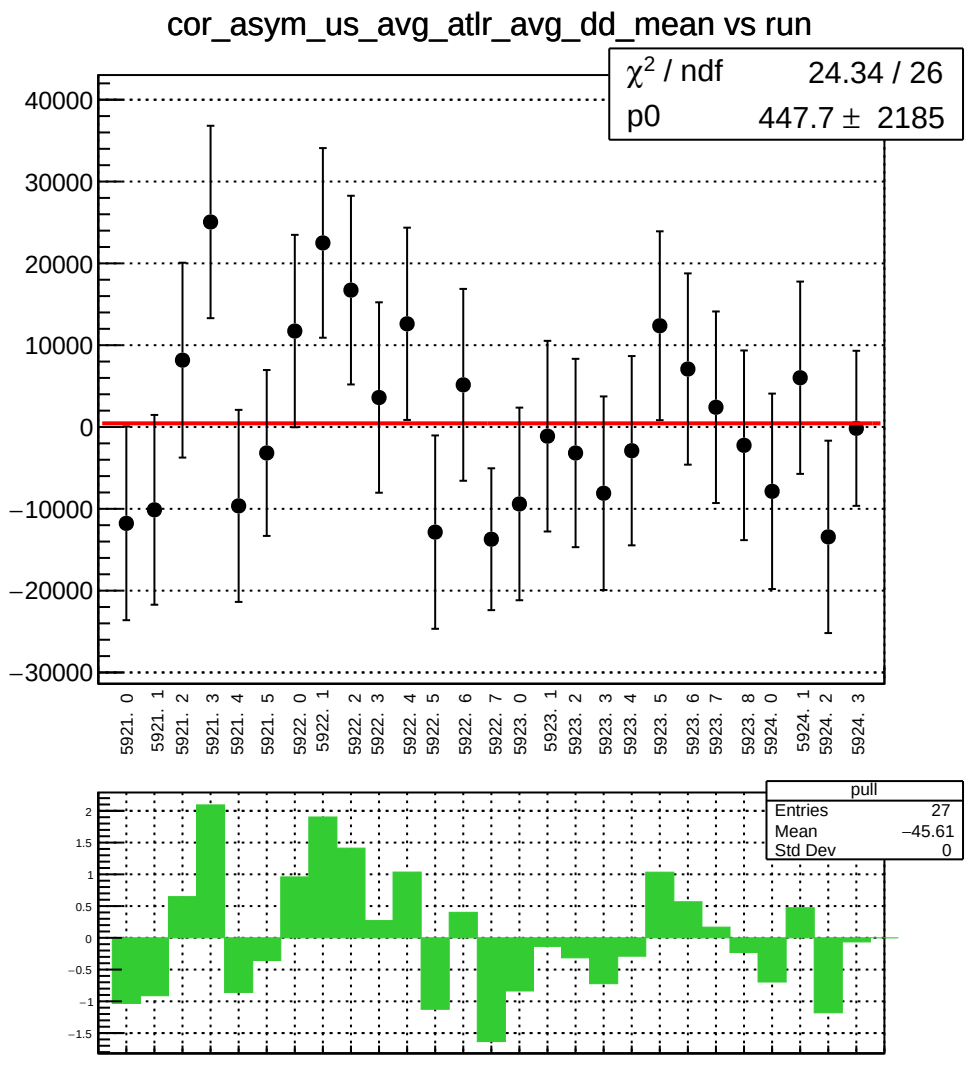

pull1D
Entries 27
Mean 0.02151
Std Dev 0.9493
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

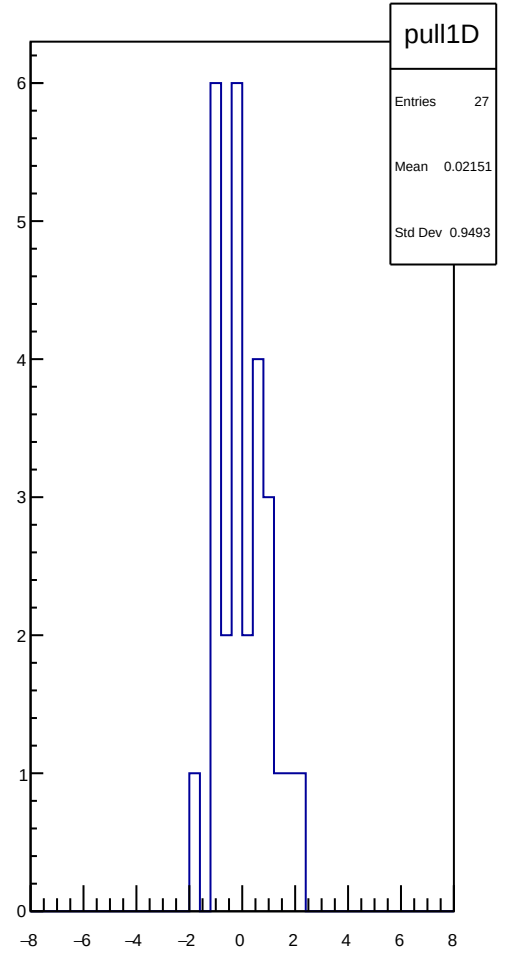

reg_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 41.81 / 26
p0 1111 ± 1.545
1140
1130
1120
1110
1100
1090
1080
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

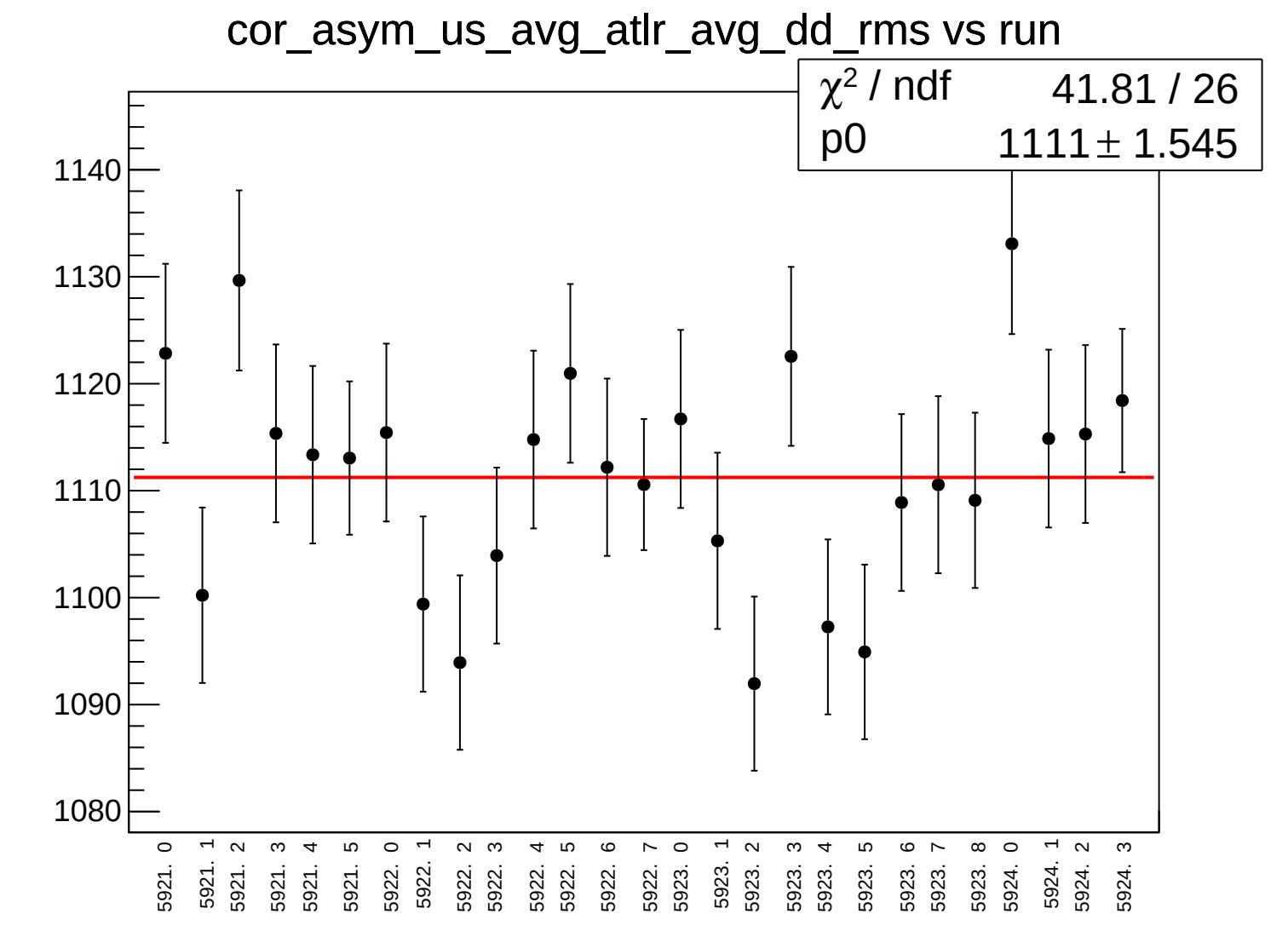

asym_us_avg_atlr_avg_dd_reg_correction_mean vs run
×10^3
χ² / ndf 27.89 / 26
p0 −3864 ± 5116
100
80
60
40
20
0
−20
−40
−60
−80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 230.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

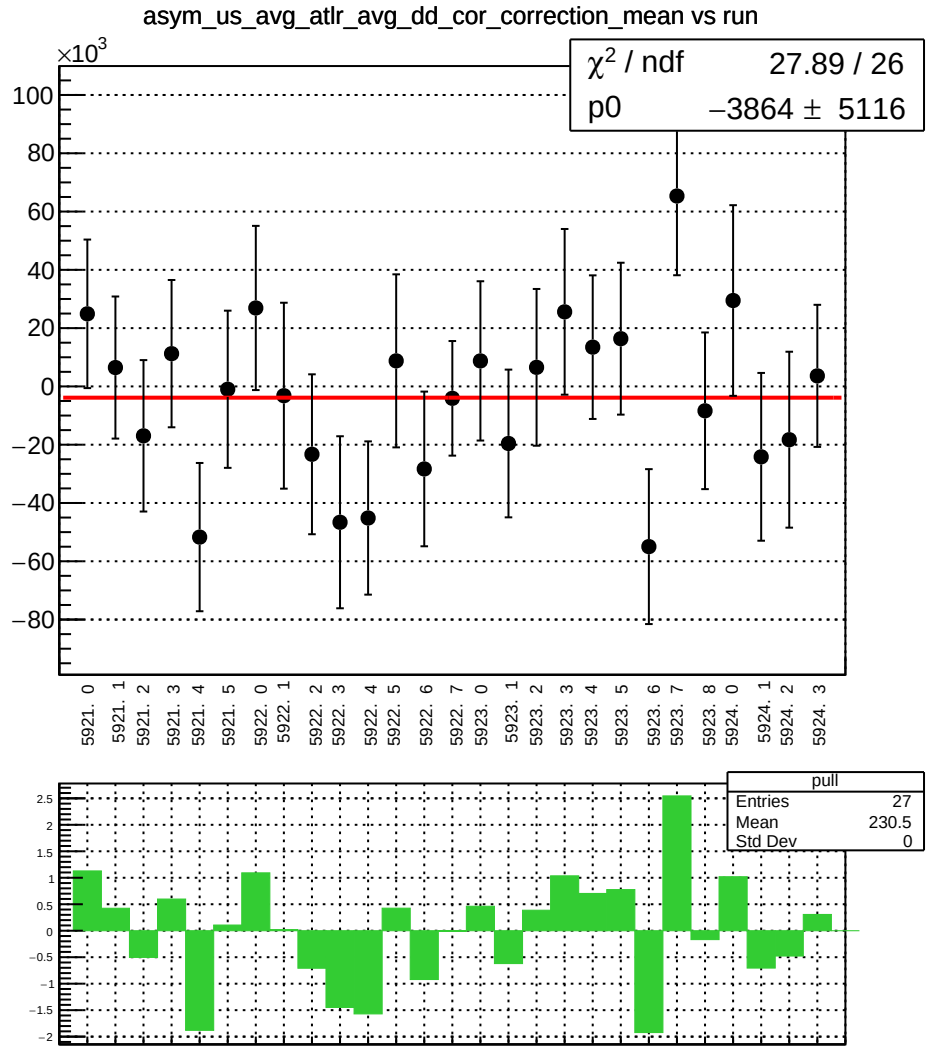

pull1D
Entries 27
Mean 0.003584
Std Dev 1.016
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

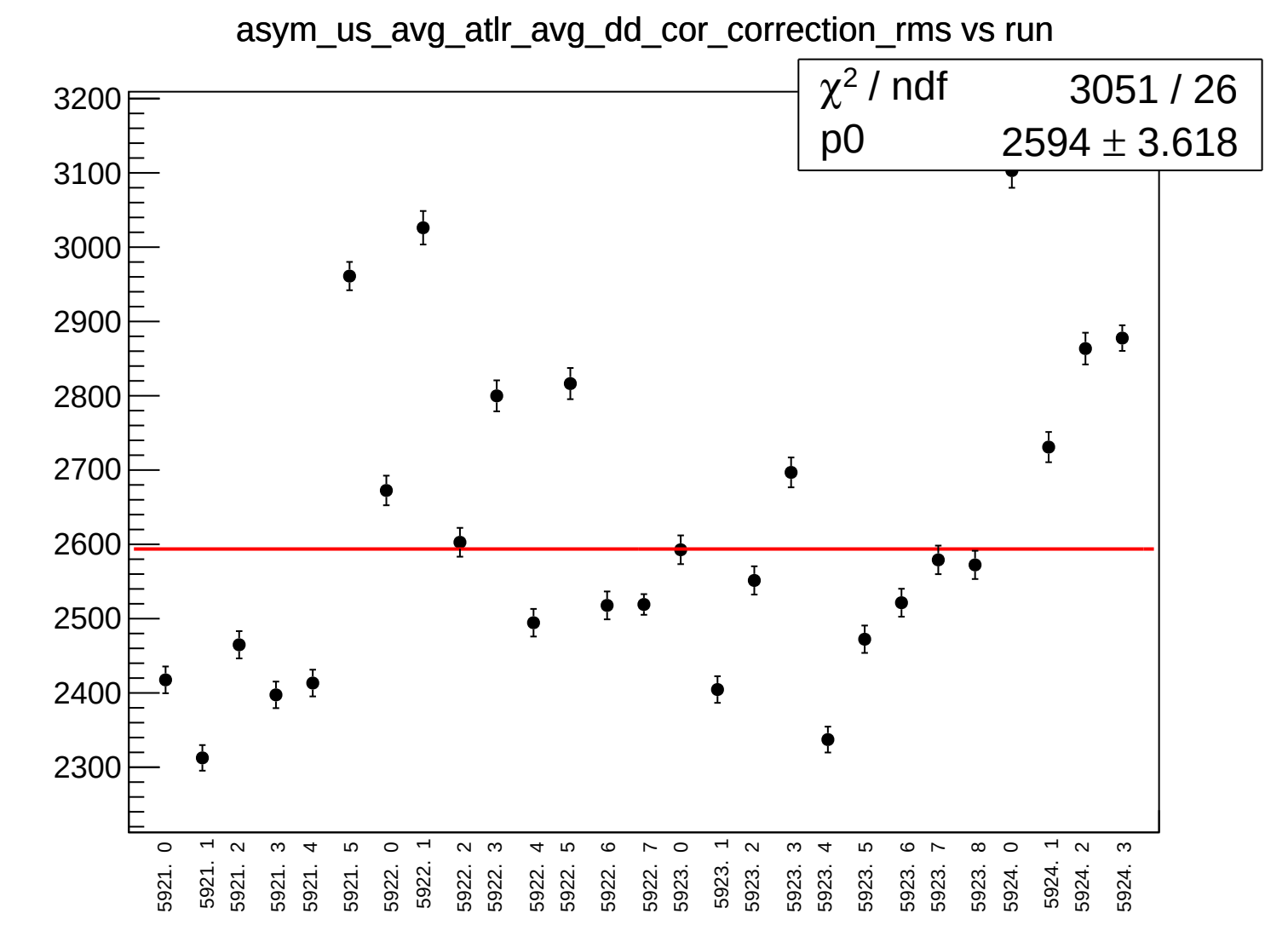

asym_us_avg_atlr_avg_dd_reg_correction_rms vs run
χ² / ndf 3051 / 26
p0 2594 ± 3.618
3200
3100
3000
2900
2800
2700
2600
2500
2400
2300
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

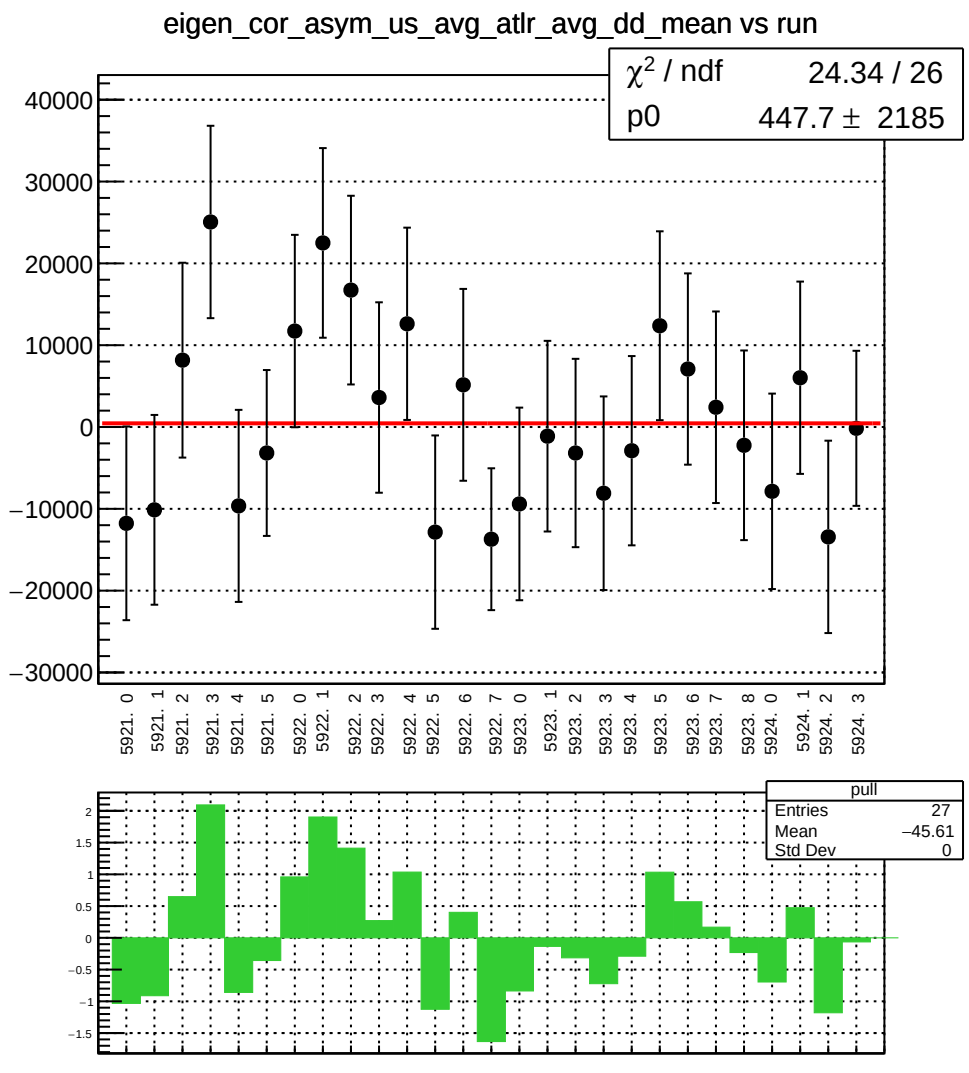

cor_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 24.34 / 26
p0 447.7 ± 2185
40000
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −45.61
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

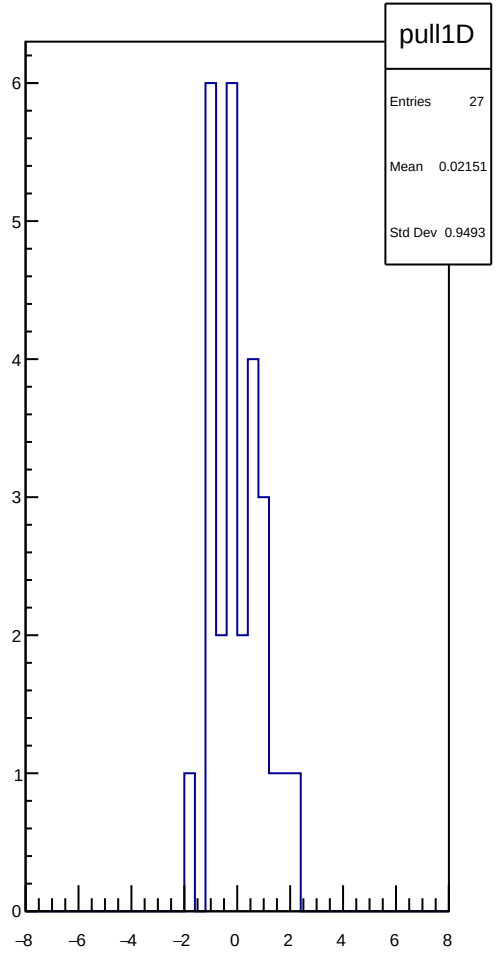

pull1D
Entries 27
Mean 0.02151
Std Dev 0.9493
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

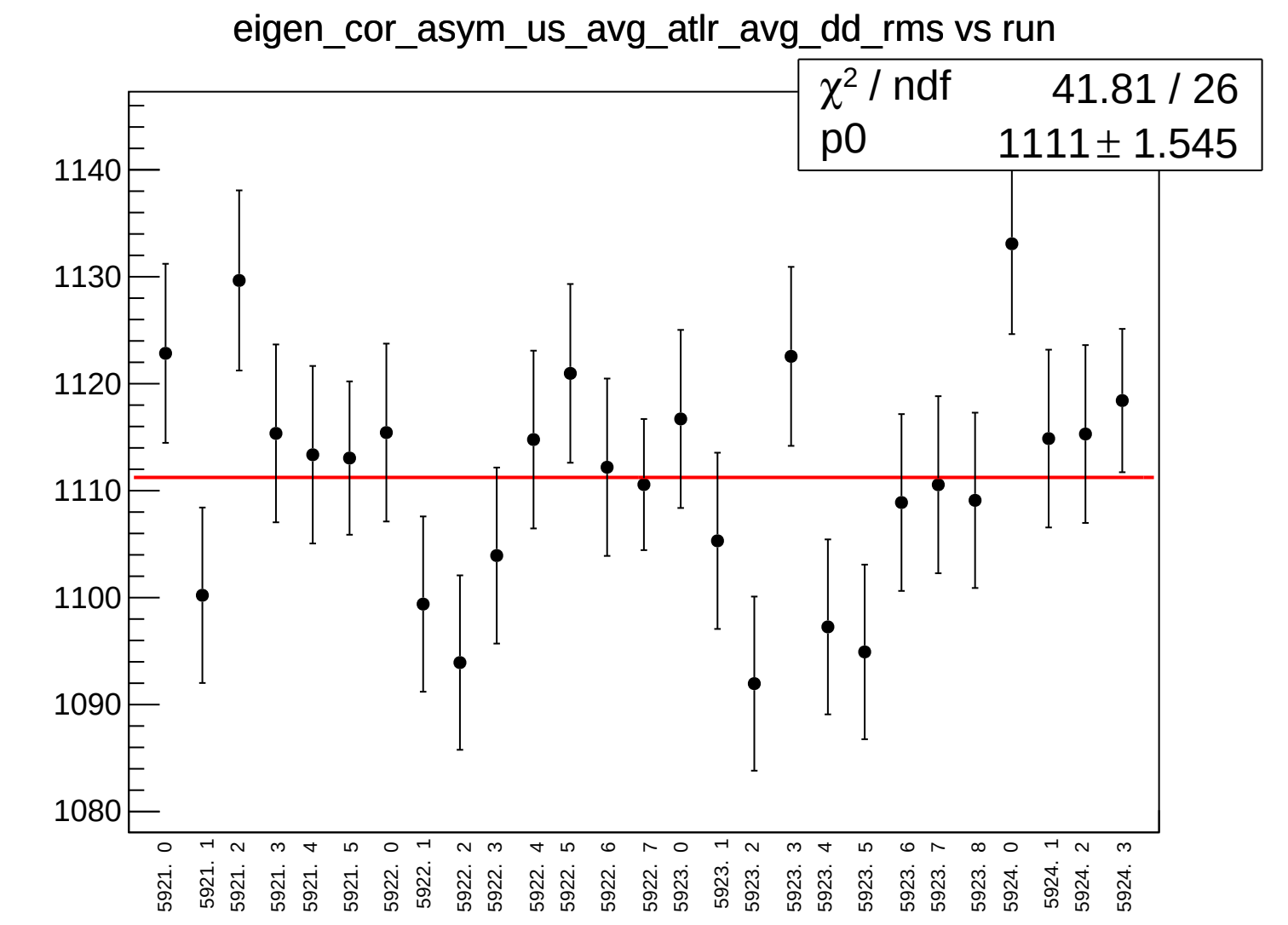

cor_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 41.81 / 26
p0 1111 ± 1.545
1140
1130
1120
1110
1100
1090
1080
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

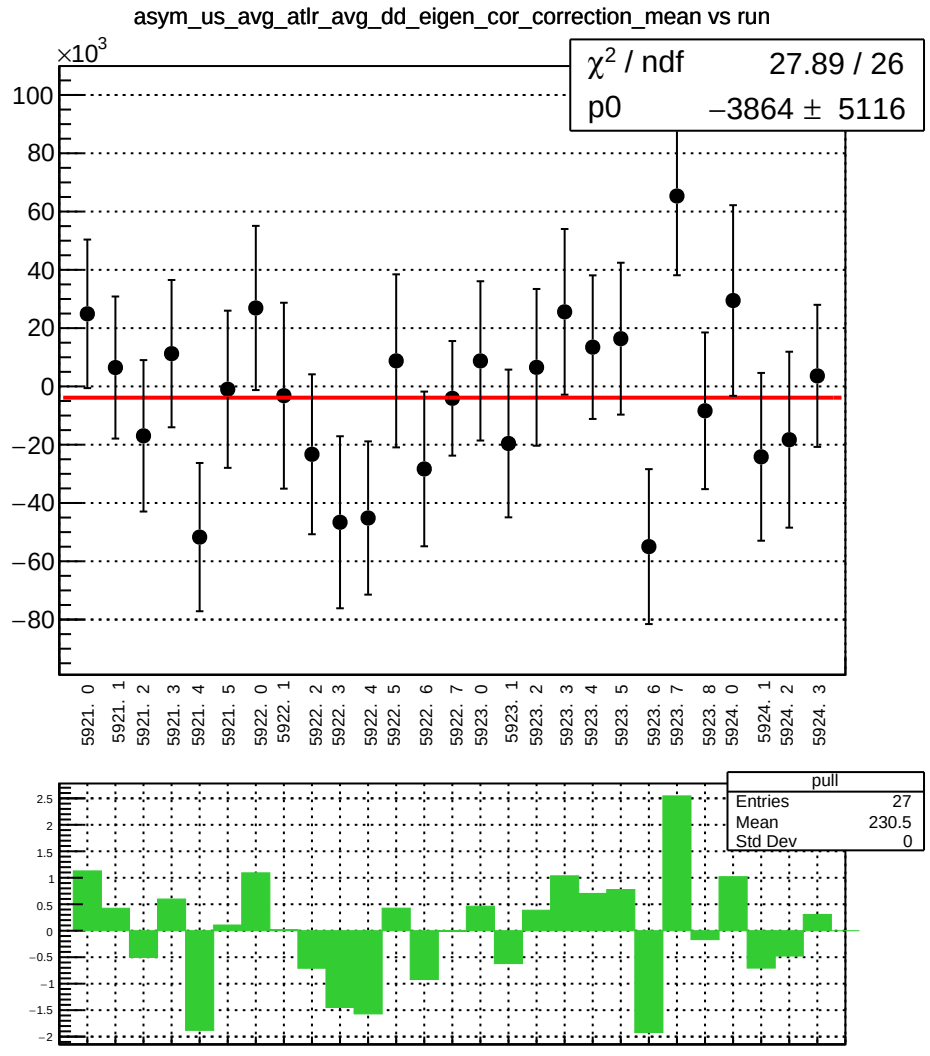

asym_us_avg_atlr_avg_dd_cor_correction_mean vs run
×10^3
χ² / ndf 27.89 / 26
p0 −3864 ± 5116
100
80
60
40
20
0
−20
−40
−60
−80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 230.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean 0.003586
Std Dev 1.016
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

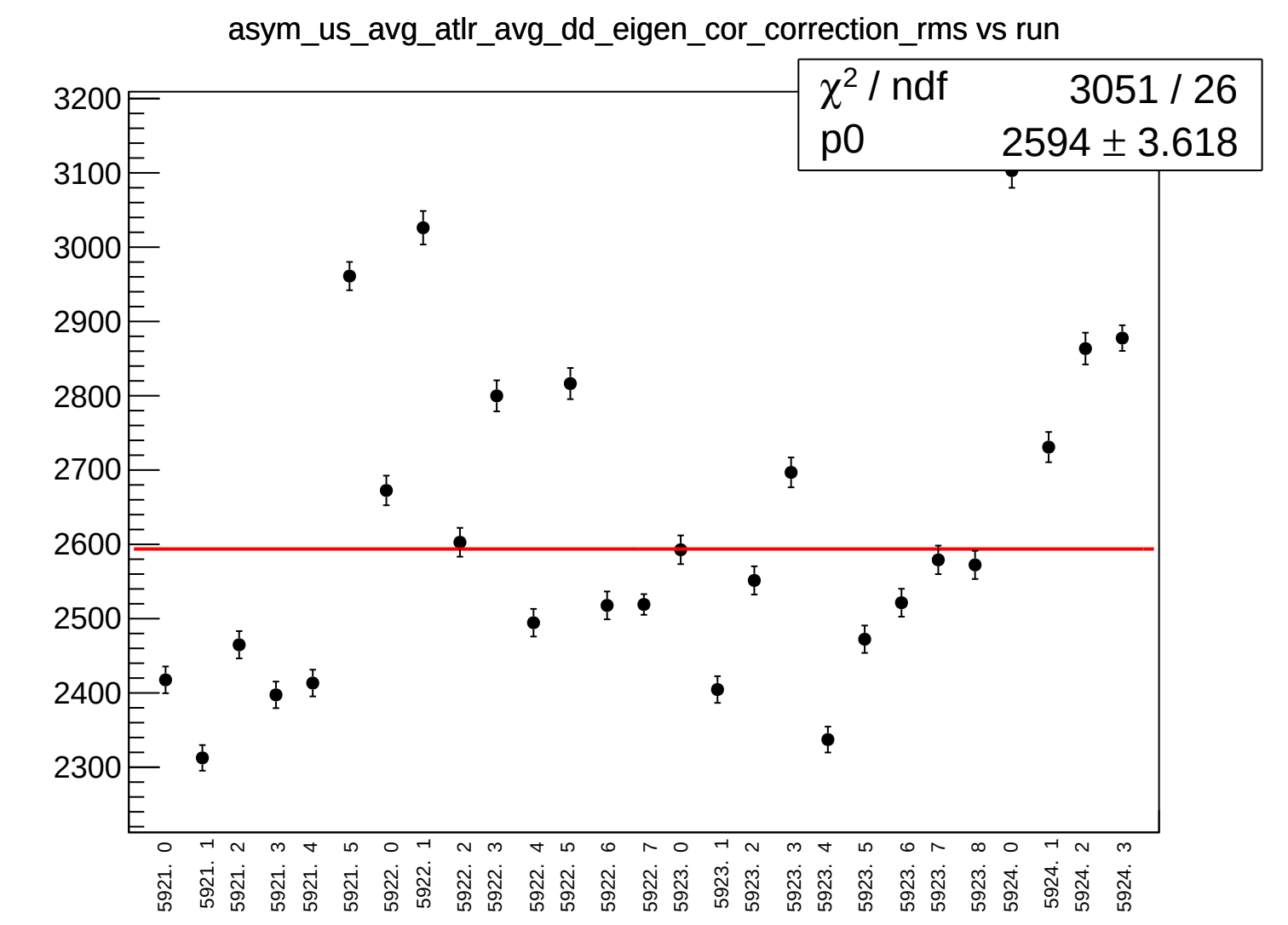

asym_us_avg_atlr_avg_dd_cor_correction_rms vs run
χ² / ndf 3051 / 26
p0 2594 ± 3.618
3200
3100
3000
2900
2800
2700
2600
2500
2400
2300
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

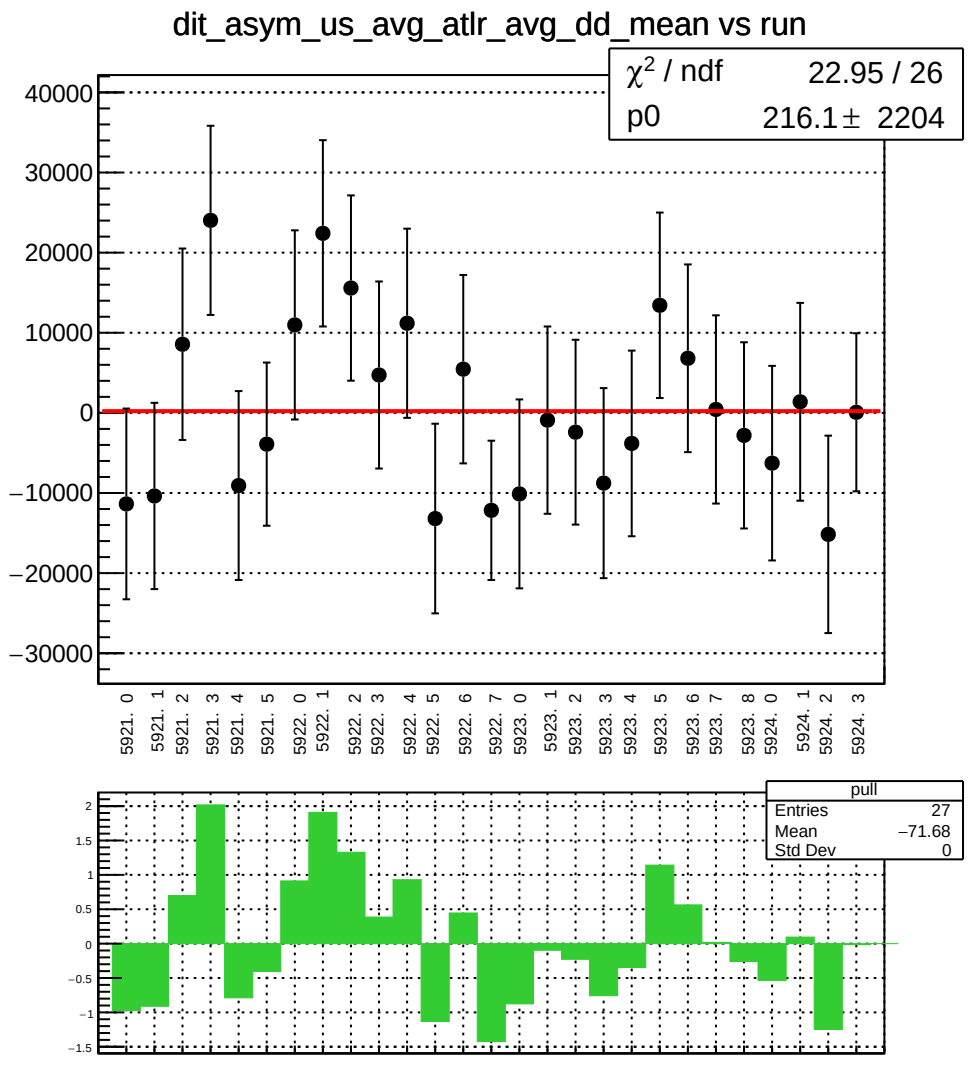

eigen_cor_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 24.34 / 26
p0 447.7 ± 2185
40000
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −45.61
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

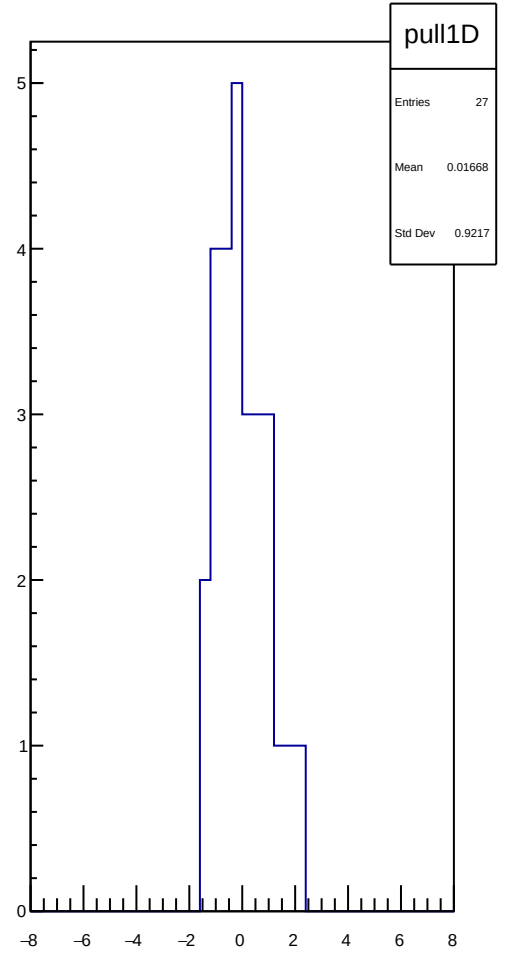

pull1D
Entries 27
Mean 0.02151
Std Dev 0.9493
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

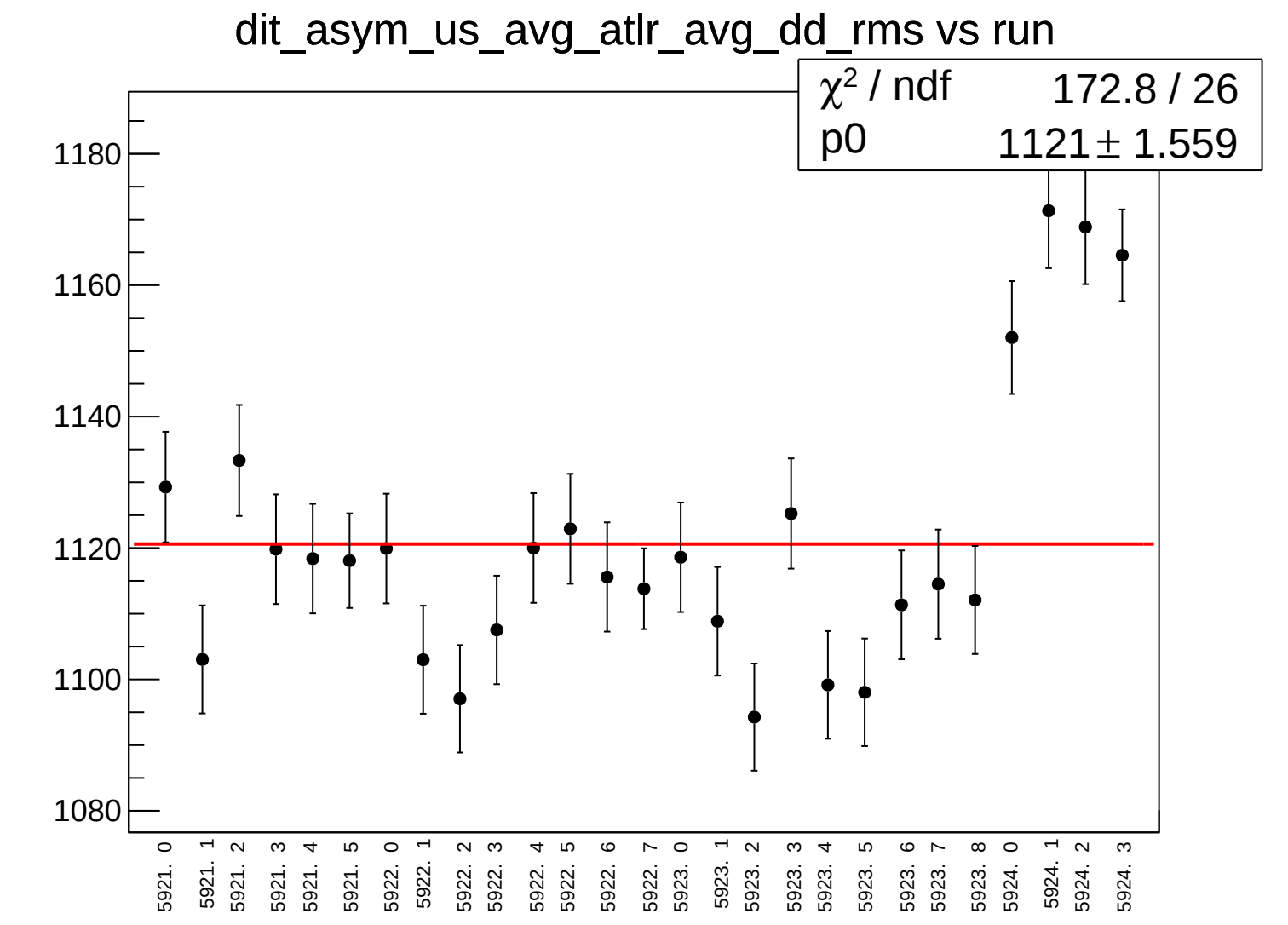

eigen_cor_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 41.81 / 26
p0 1111 ± 1.545
1140
1130
1120
1110
1100
1090
1080
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

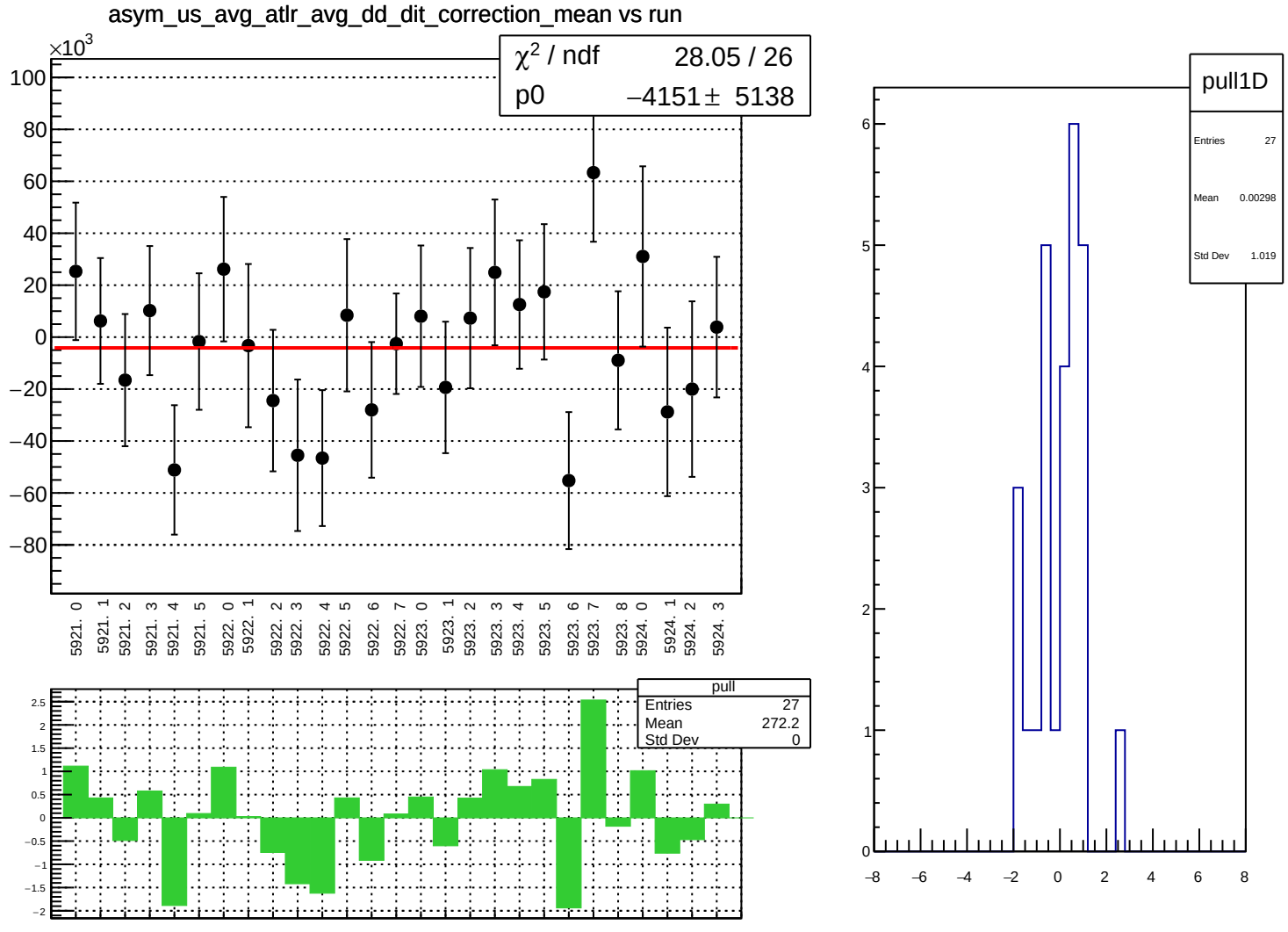

asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 27.89 / 26
p0 −3864 ± 5116
100
80
60
40
20
0
−20
−40
−60
−80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 230.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean 0.003586
Std Dev 1.016
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

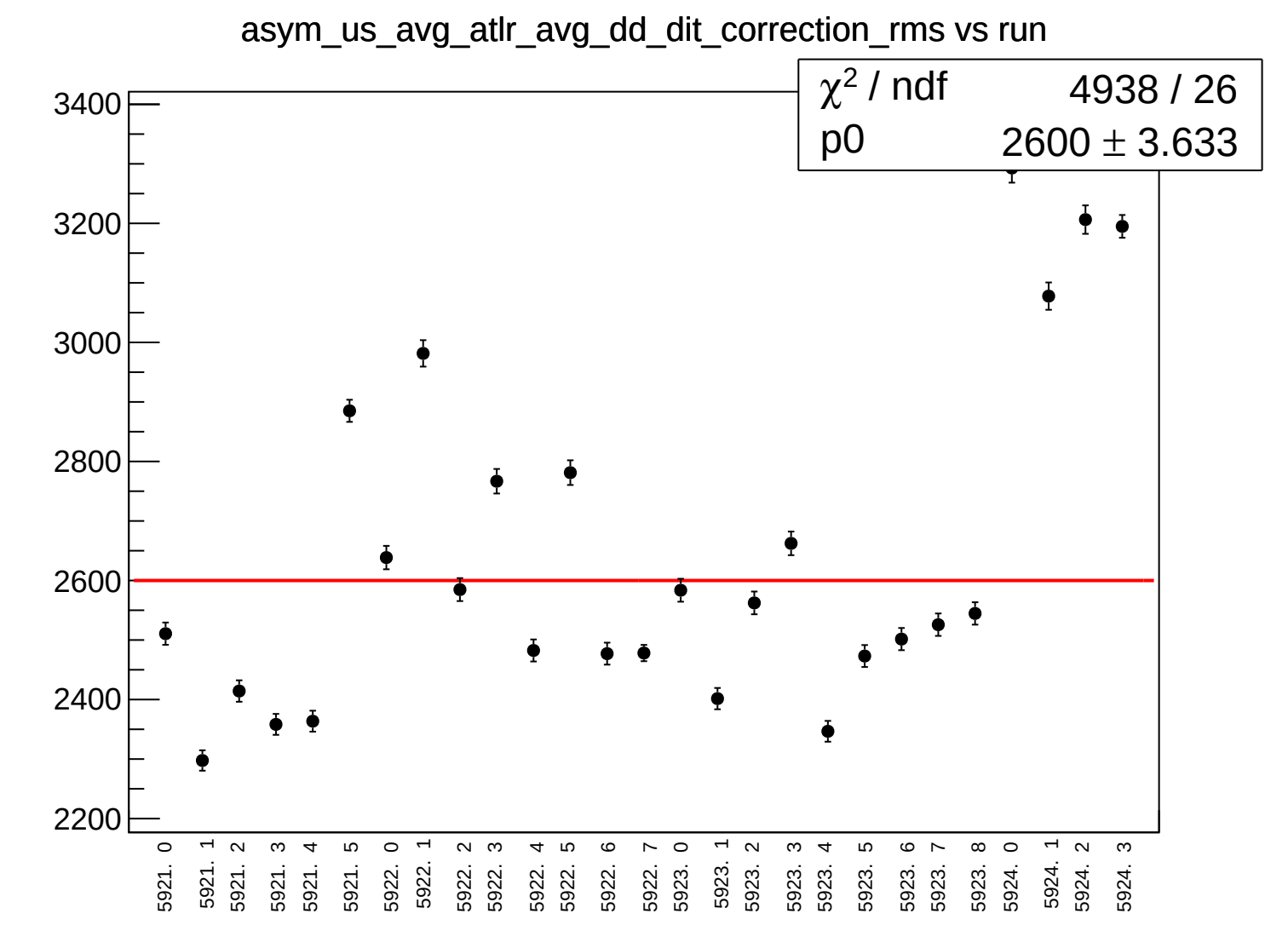

asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 3051 / 26
p0 2594 ± 3.618
3200
3100
3000
2900
2800
2700
2600
2500
2400
2300
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

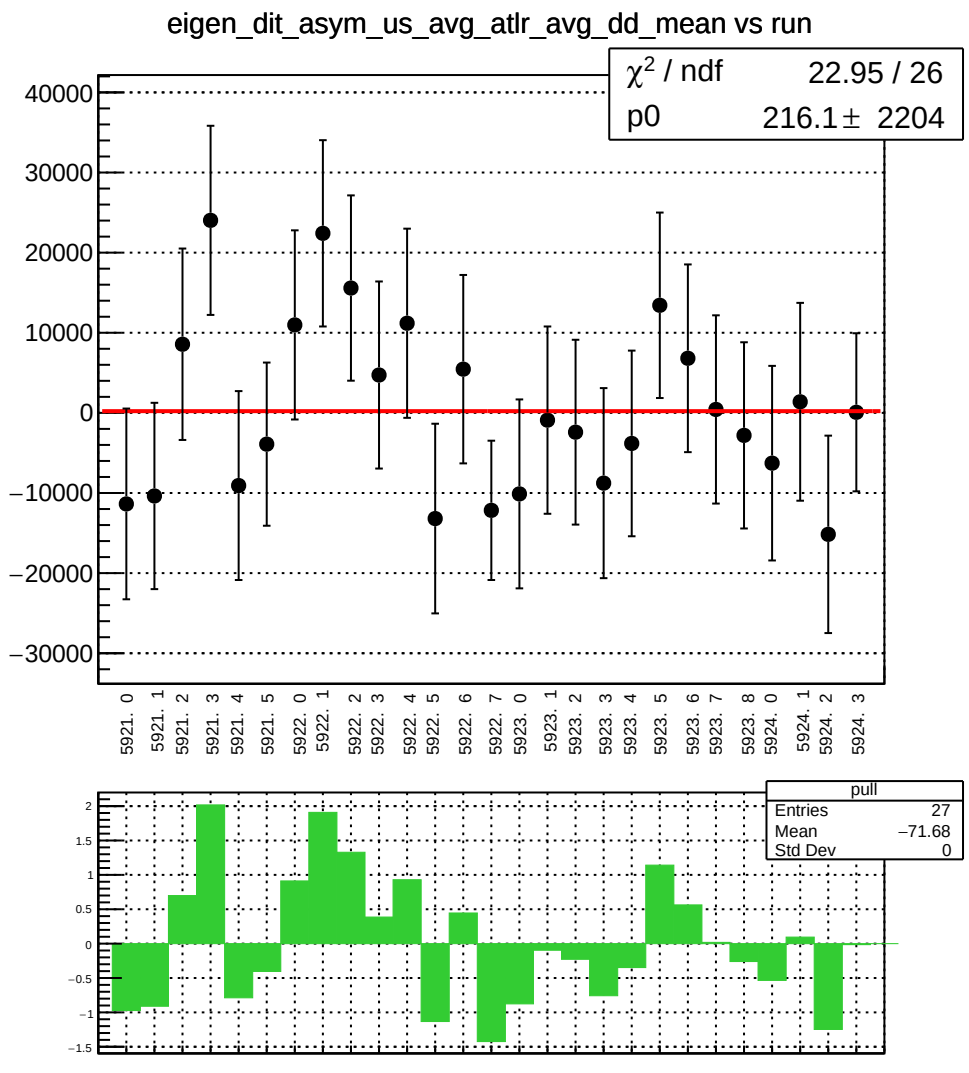

dit_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 22.95 / 26
p0 216.1 ± 2204
40000
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −71.68
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

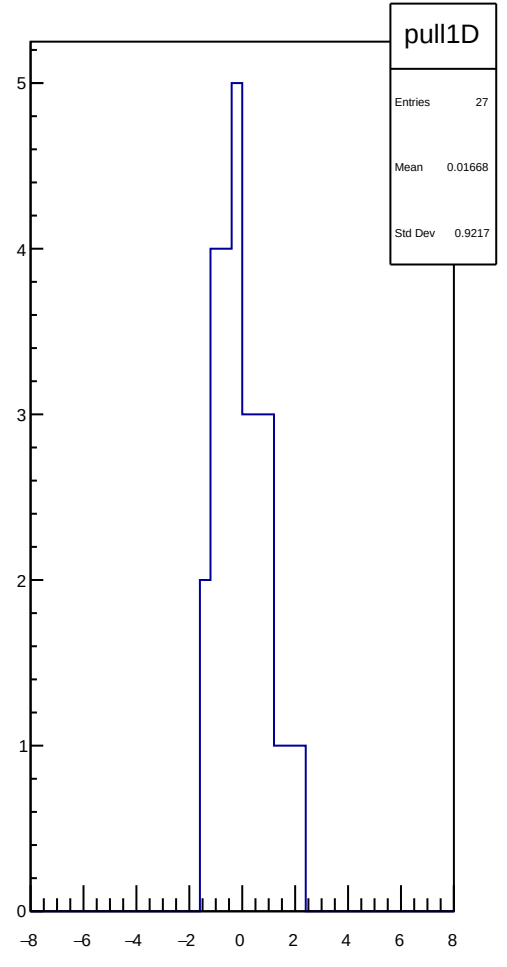

pull1D
Entries 27
Mean 0.01668
Std Dev 0.9217
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

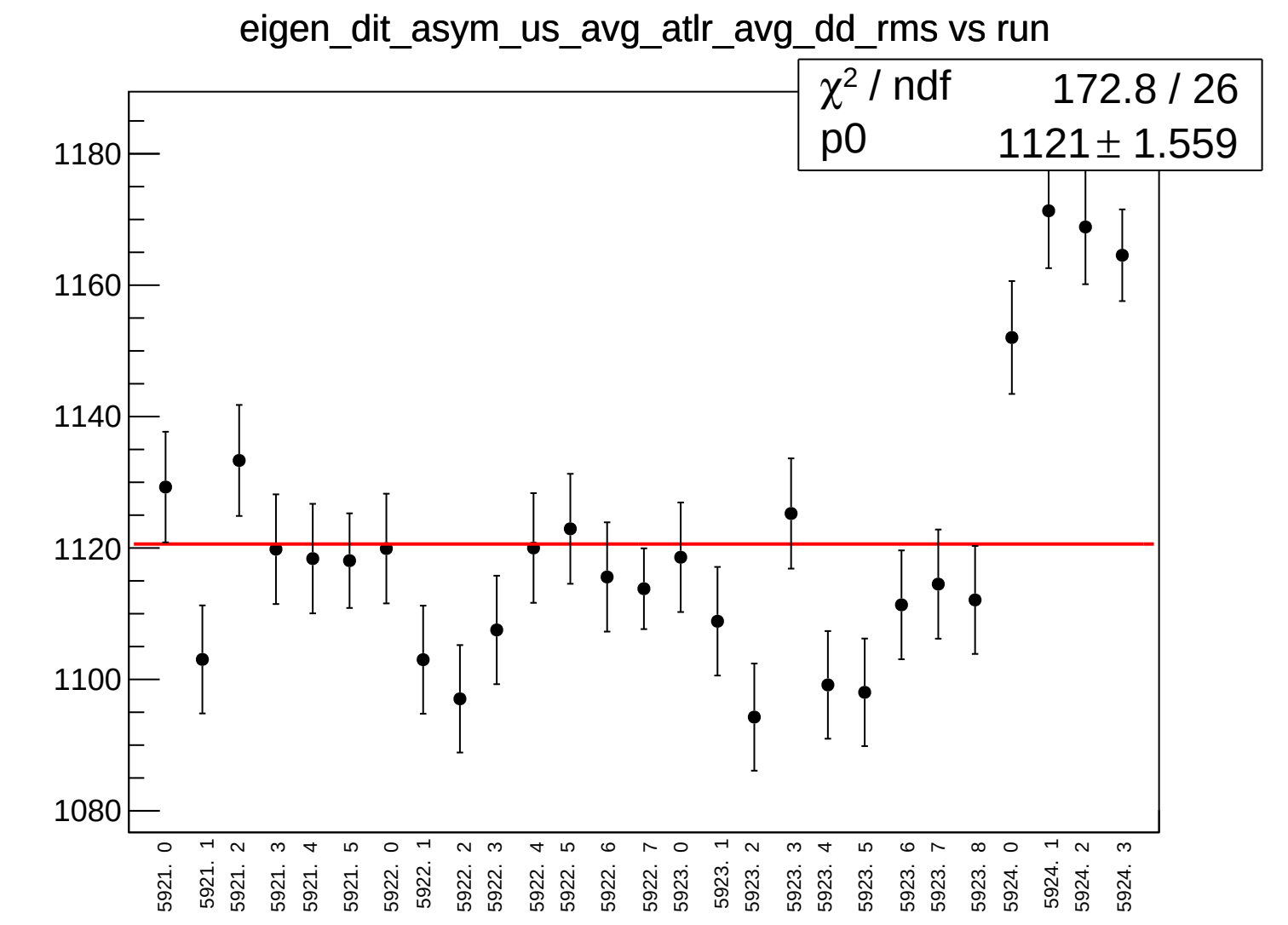

dit_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 172.8 / 26
p0 1121 ± 1.559
1180
1160
1140
1120
1100
1080
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


asym_us_avg_atlr_avg_dd_dit_correction_mean vs run
×10^3
χ² / ndf 28.05 / 26
p0 −4151 ± 5138
100
80
60
40
20
0
−20
−40
−60
−80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 272.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean 0.00298
Std Dev 1.019
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_atlr_avg_dd_dit_correction_rms vs run
χ² / ndf 4938 / 26
p0 2600 ± 3.633
3400
3200
3000
2800
2600
2400
2200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


eigen_dit_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 22.95 / 26
p0 216.1± 2204
40000
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −71.68
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 27
Mean 0.01668
Std Dev 0.9217
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 172.8 / 26
p0 1121 ± 1.559
1180
1160
1140
1120
1100
1080
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
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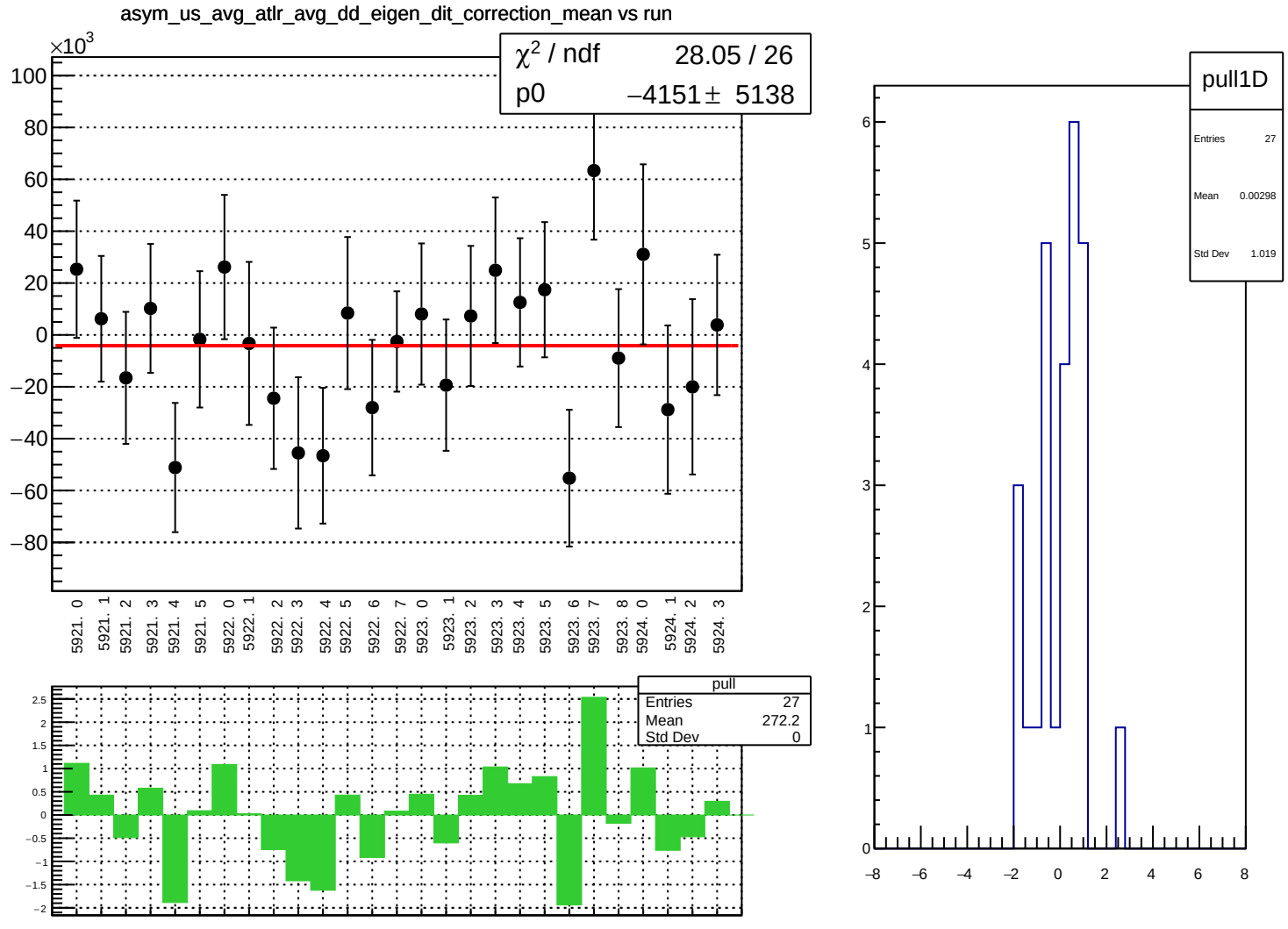
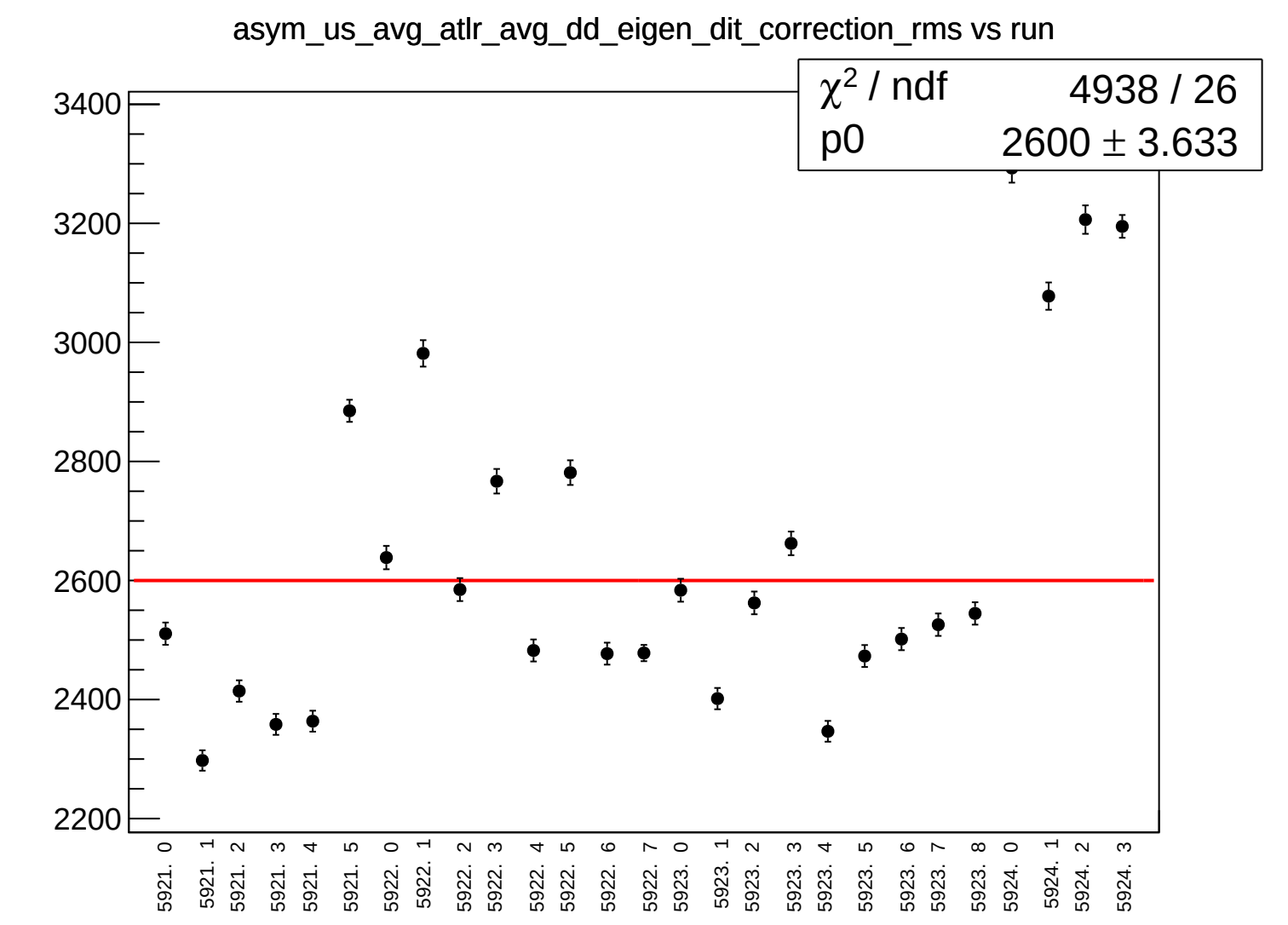
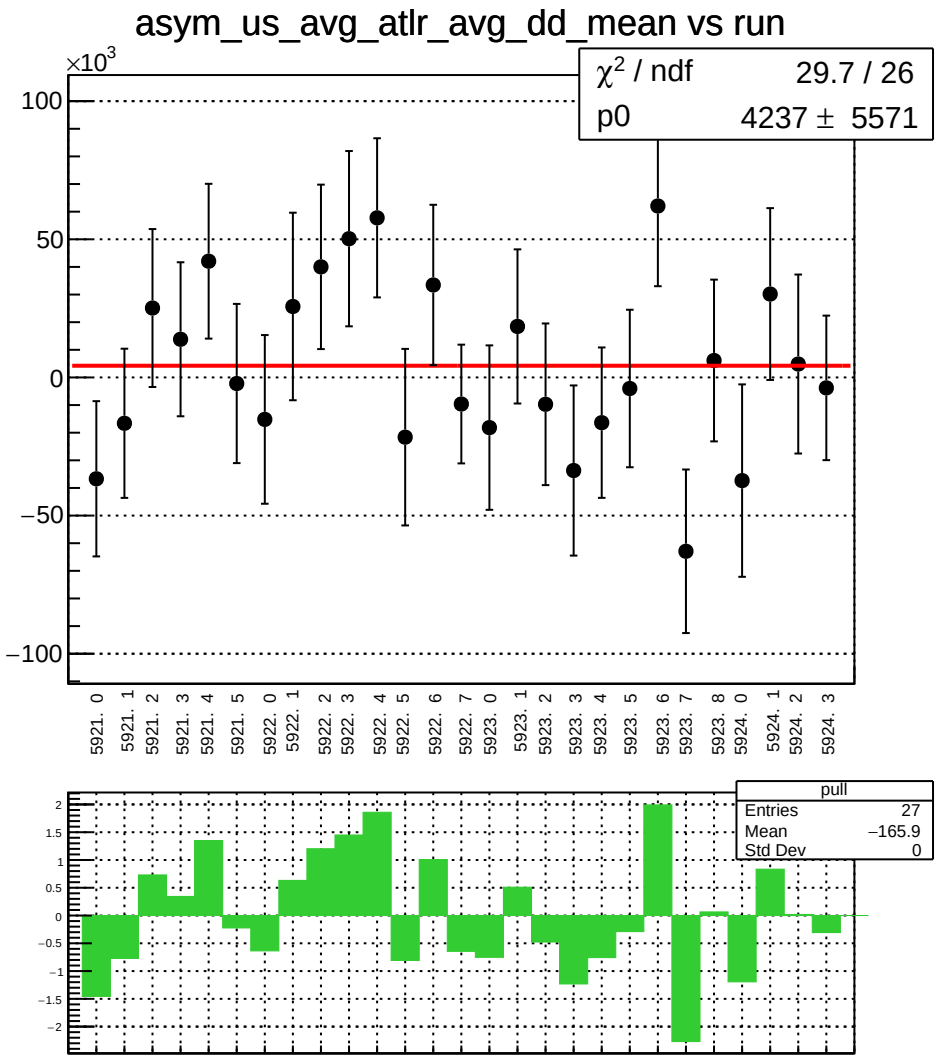
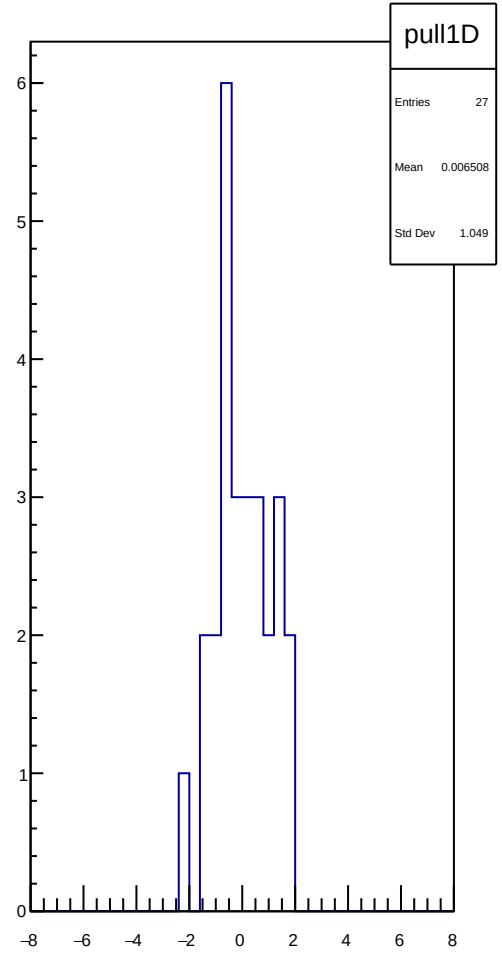
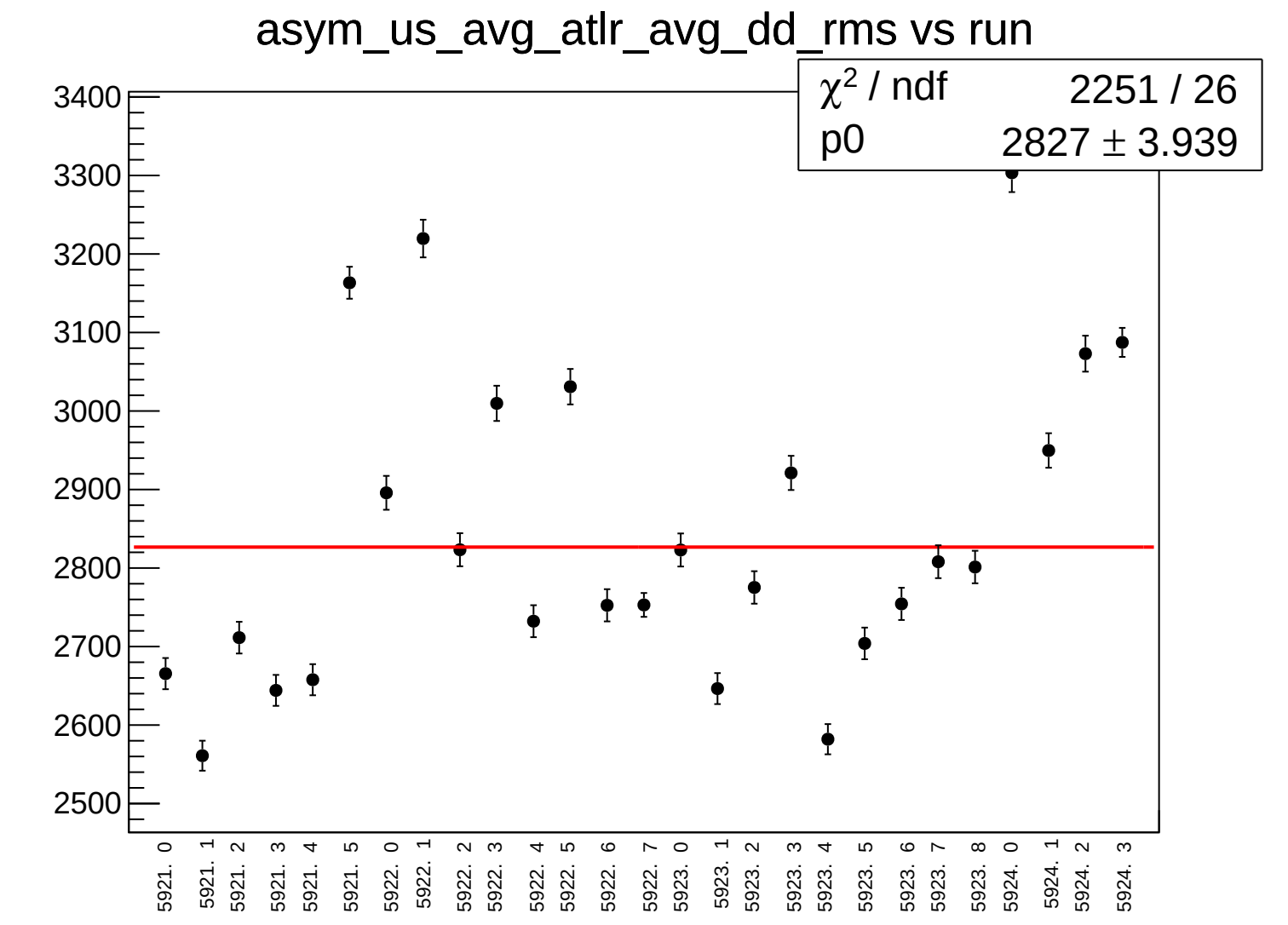
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

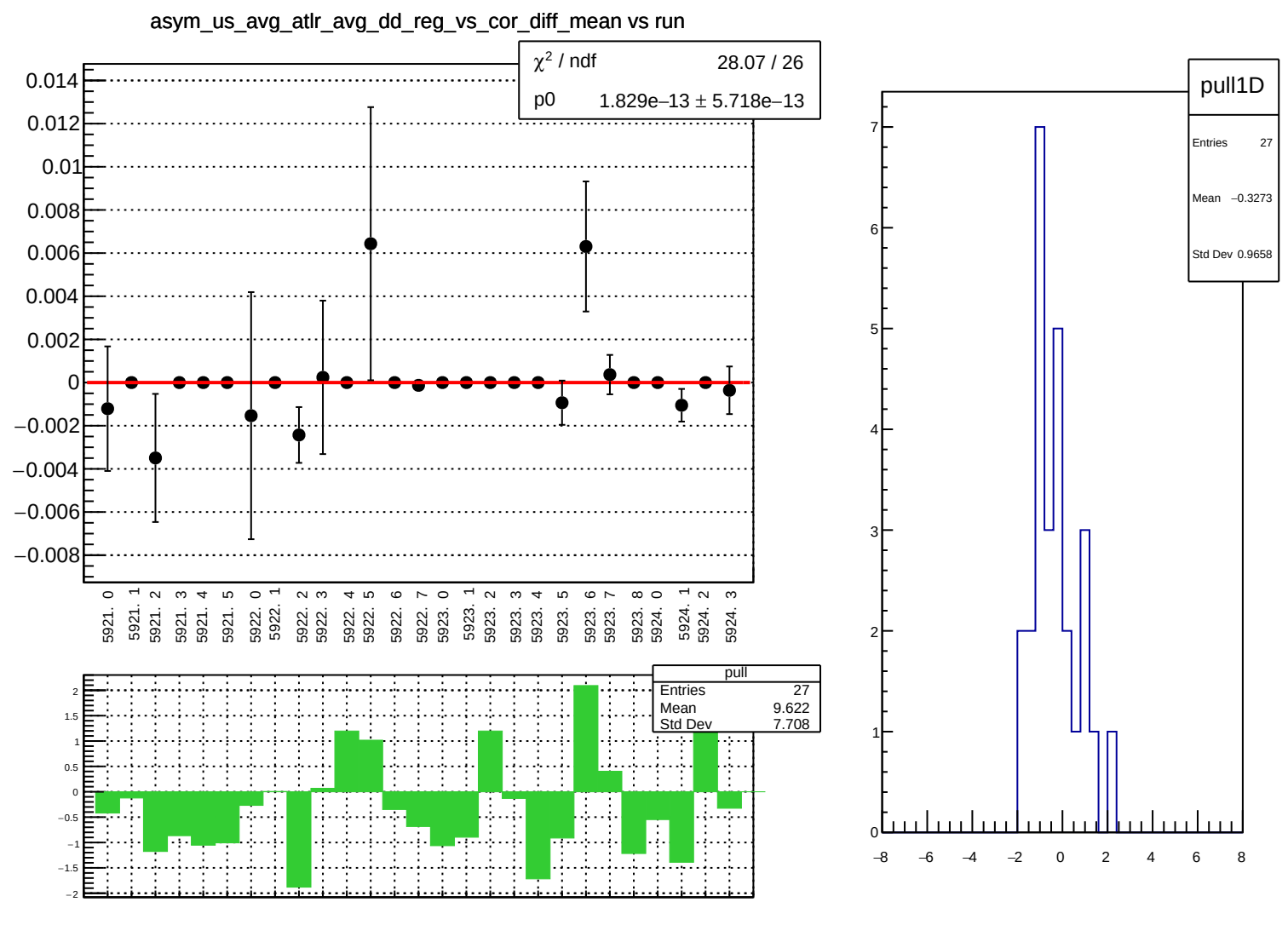

asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 28.05 / 26
p0 −4151 ± 5138
100
80
60
40
20
0
−20
−40
−60
−80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 272.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean 0.00298
Std Dev 1.019
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

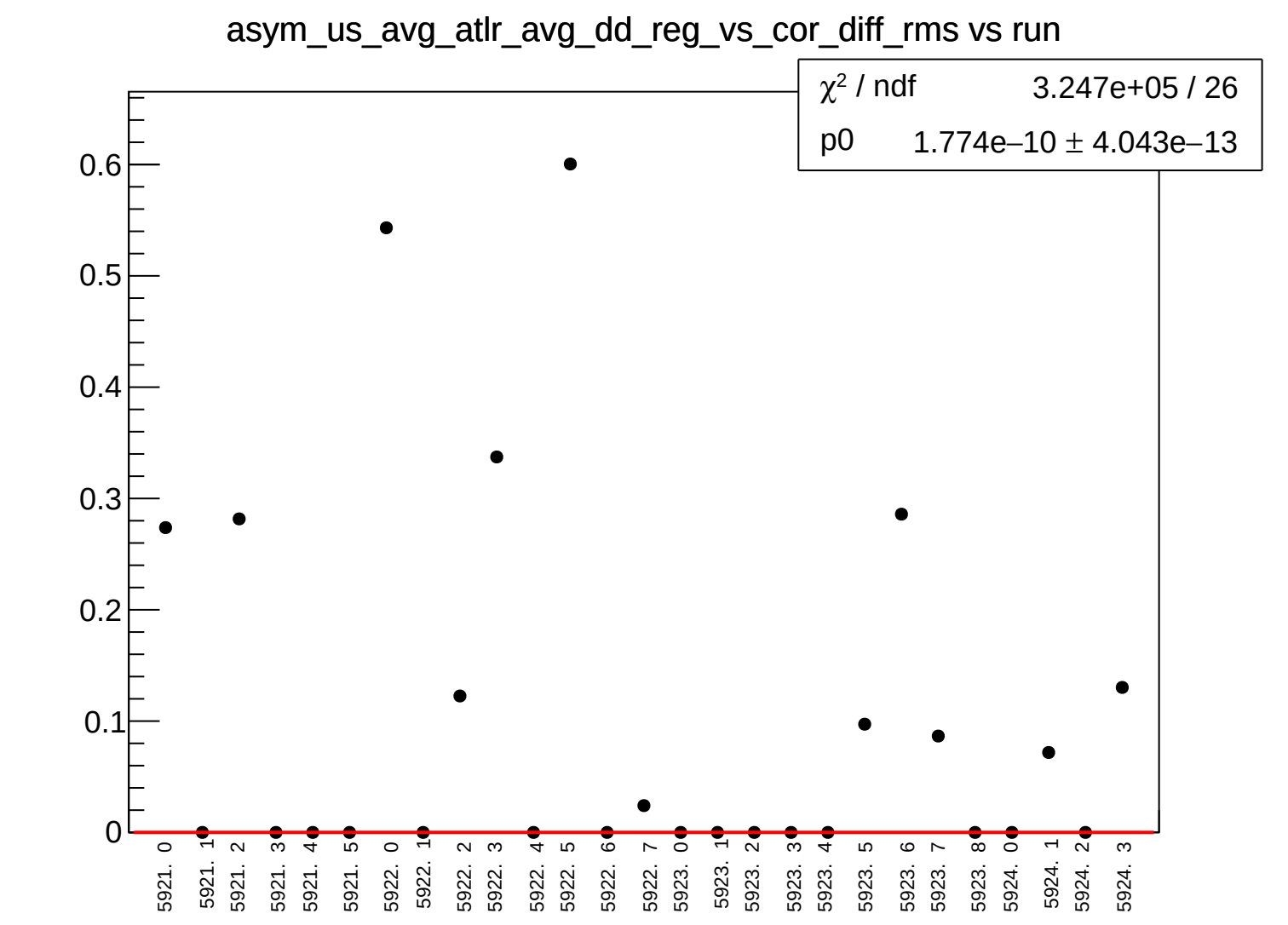

asym_us_avg_atlr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 4938 / 26
p0 2600 ± 3.633
3400
3200
3000
2800
2600
2400
2200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

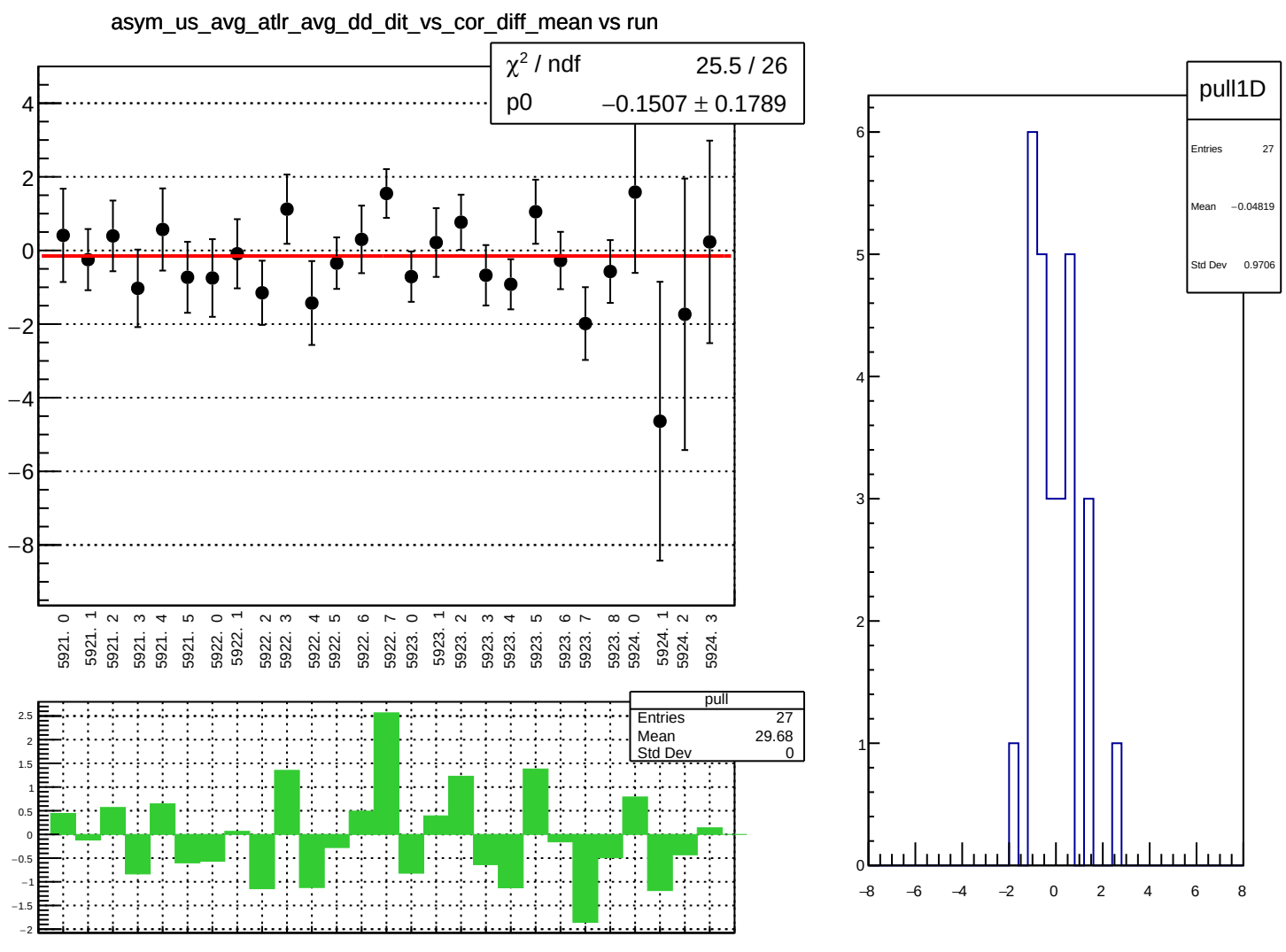

asym_us_avg_atlr_avg_dd_mean vs run
×10^3
χ^2 / ndf 29.7 / 26
p0 4237 ± 5571
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −165.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

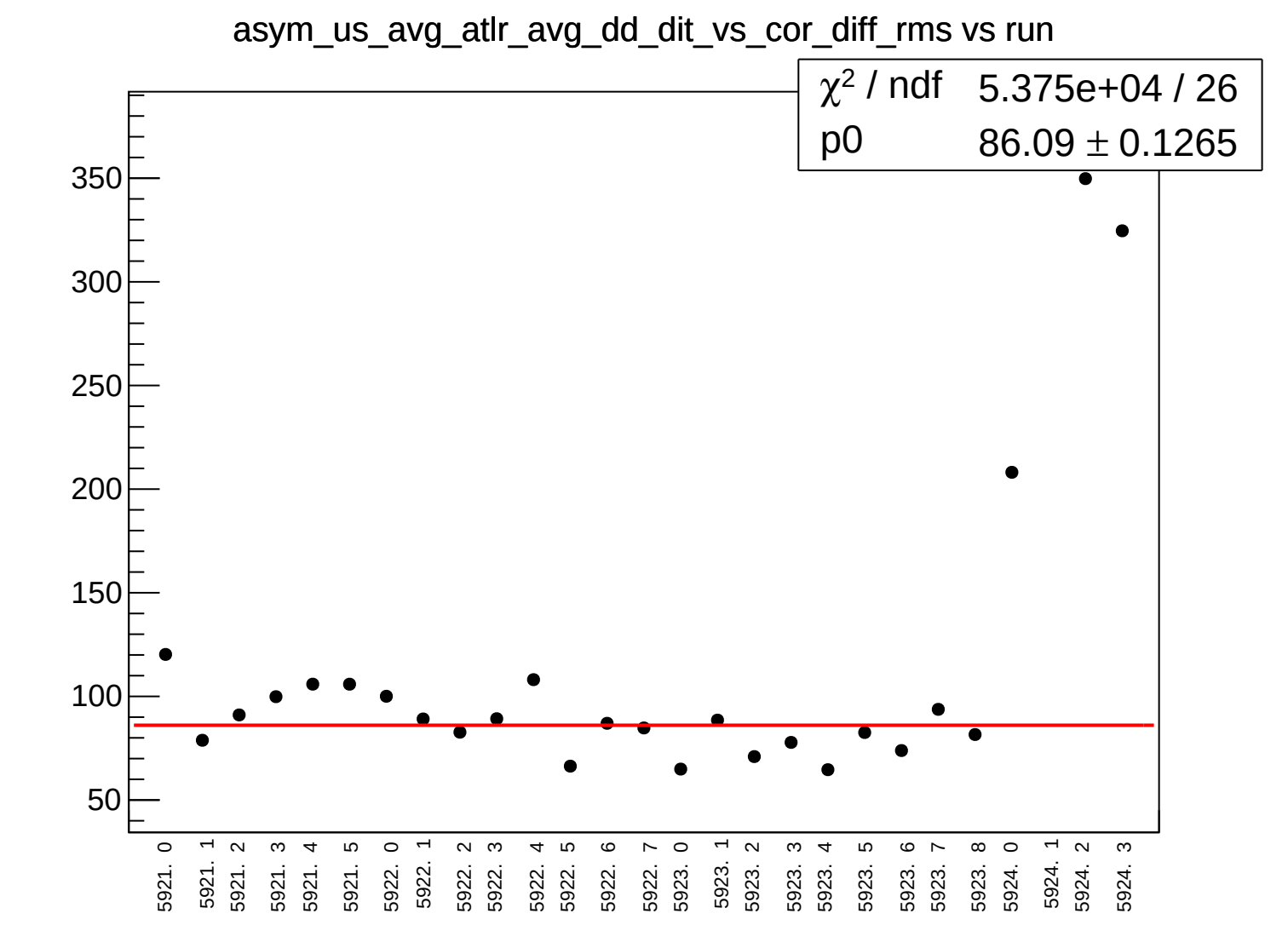

pull1D
Entries 27
Mean 0.006508
Std Dev 1.049
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

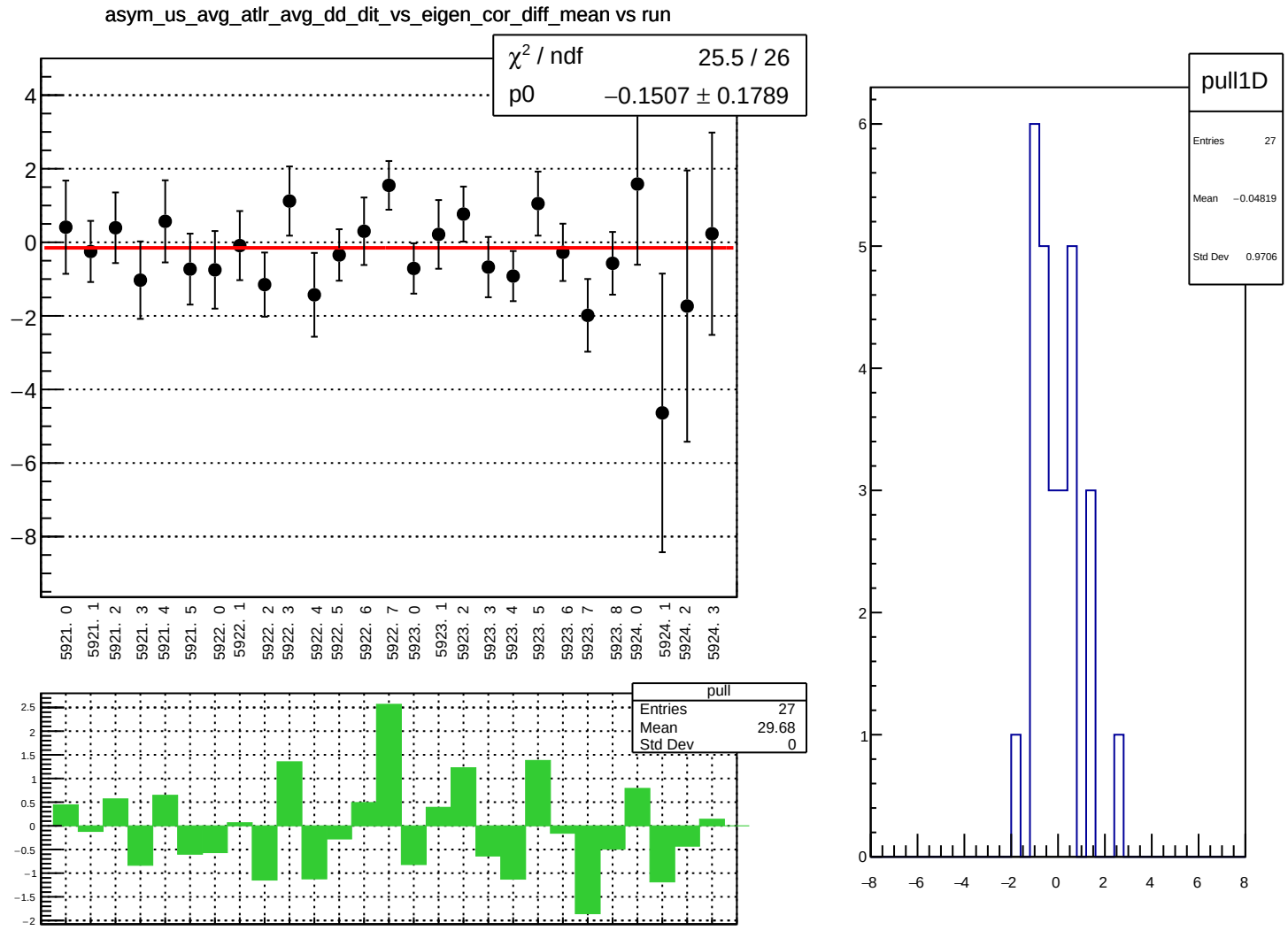

asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 2251 / 26
p0 2827 ± 3.939
3400
3300
3200
3100
3000
2900
2800
2700
2600
2500
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

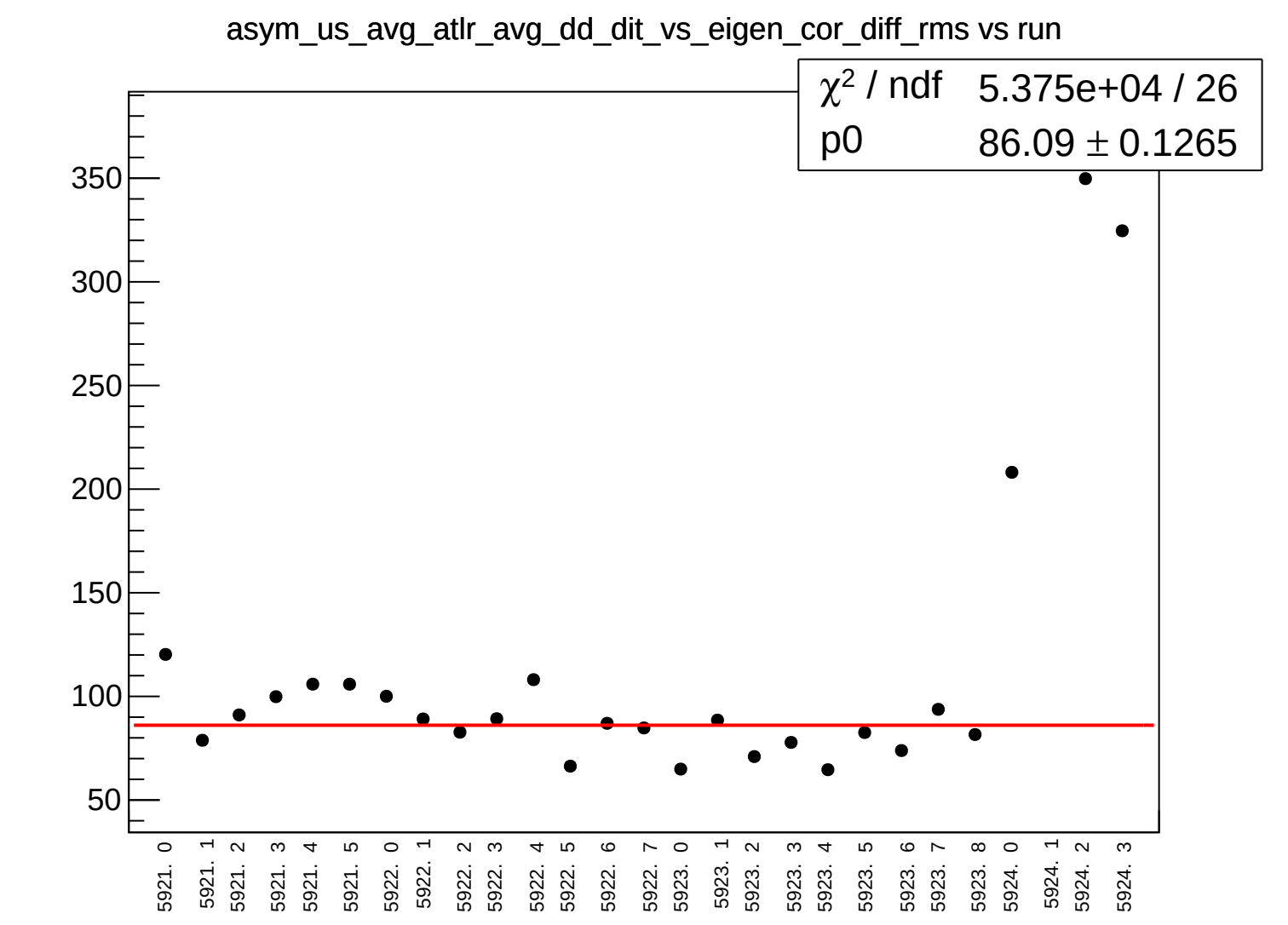

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 28.07 / 26
p0 1.829e−13 ± 5.718e−13
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
−0.002
−0.004
−0.006
−0.008
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 9.622
Std Dev 7.708
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.3273
Std Dev 0.9658
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

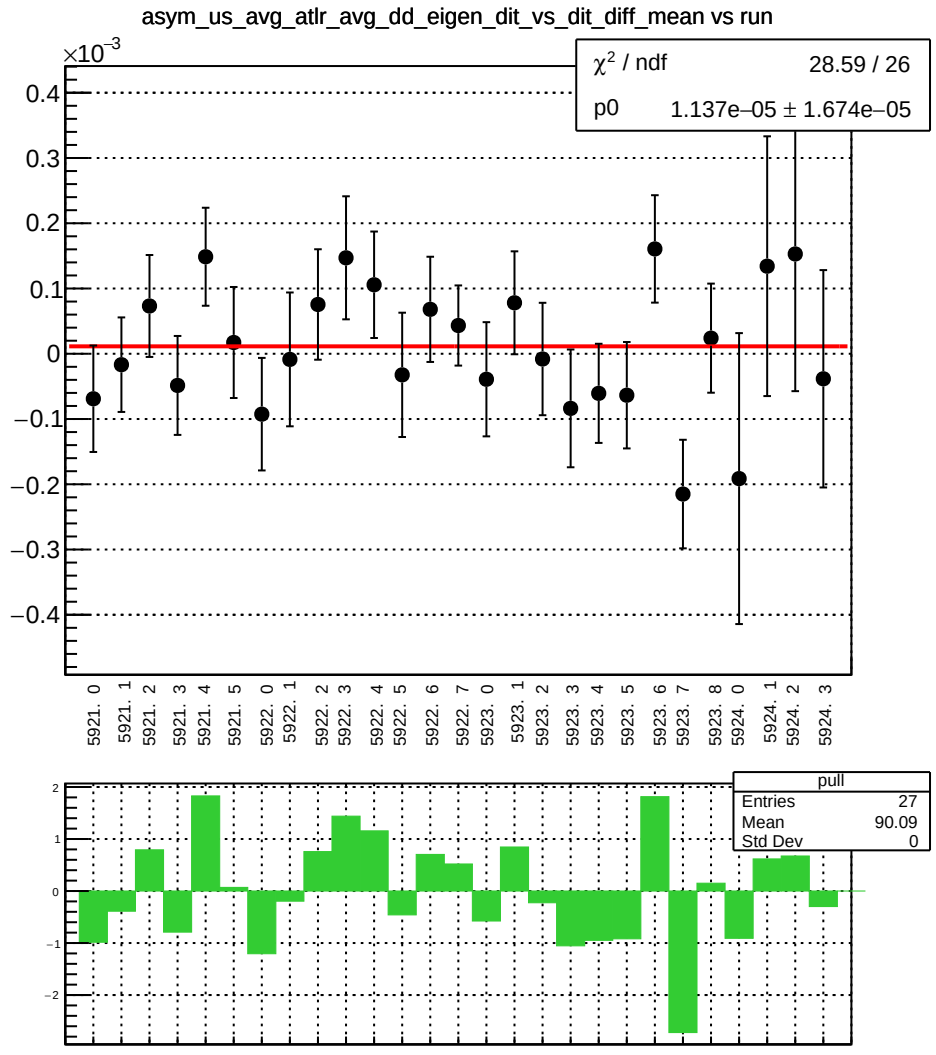

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.247e+05 / 26
p0 1.774e−10 ± 4.043e−13
0.6
0.5
0.4
0.3
0.2
0.1
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

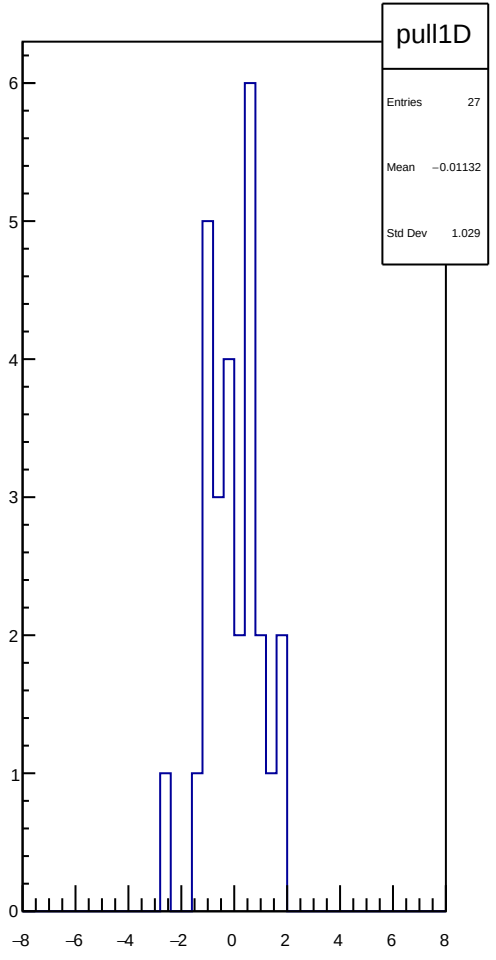

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 25.5 / 26
p0 −0.1507 ± 0.1789
4
2
0
−2
−4
−6
−8
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 29.68
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.04819
Std Dev 0.9706
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

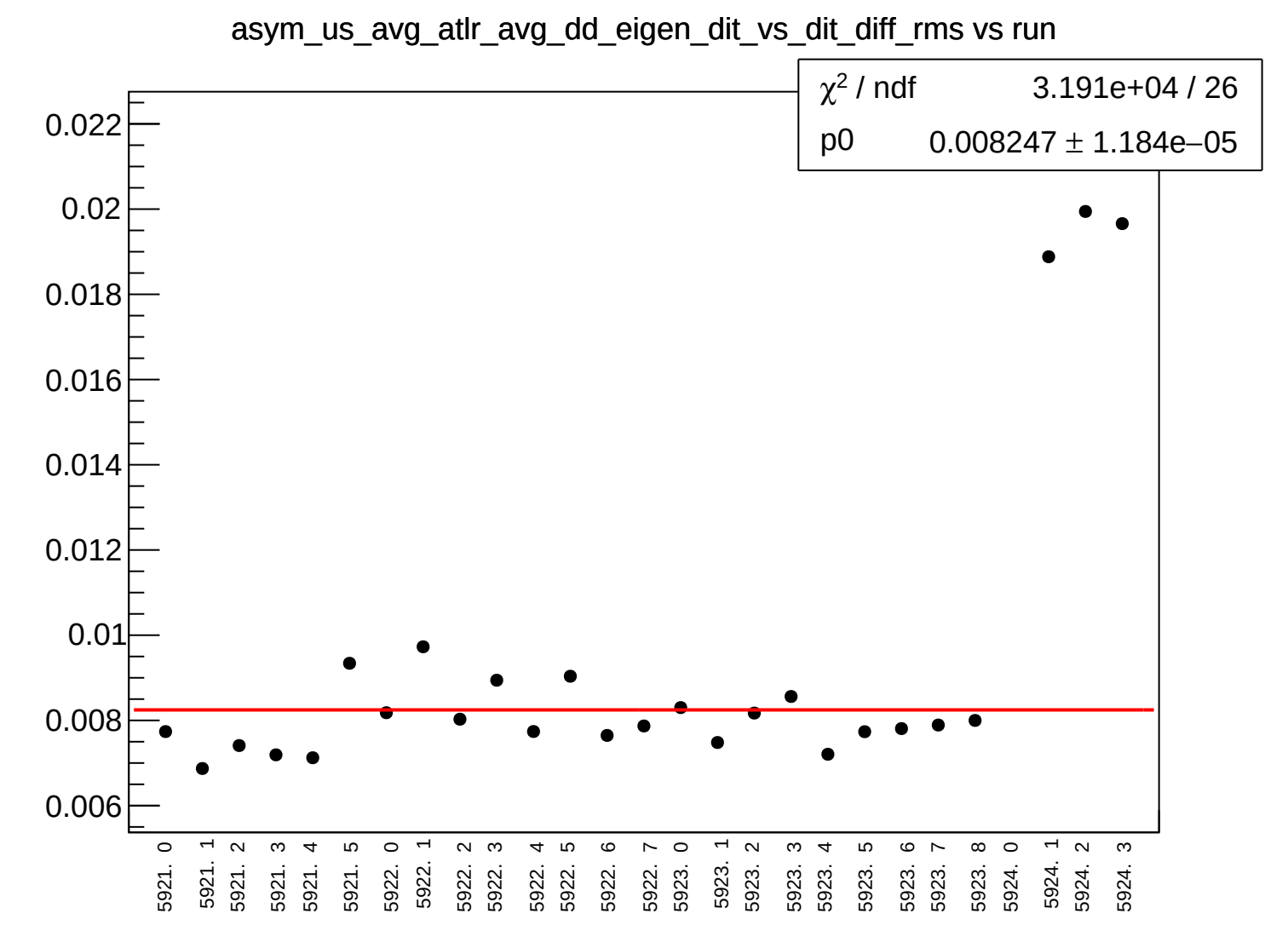

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5.375e+04 / 26
p0 86.09 ± 0.1265
350
300
250
200
150
100
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

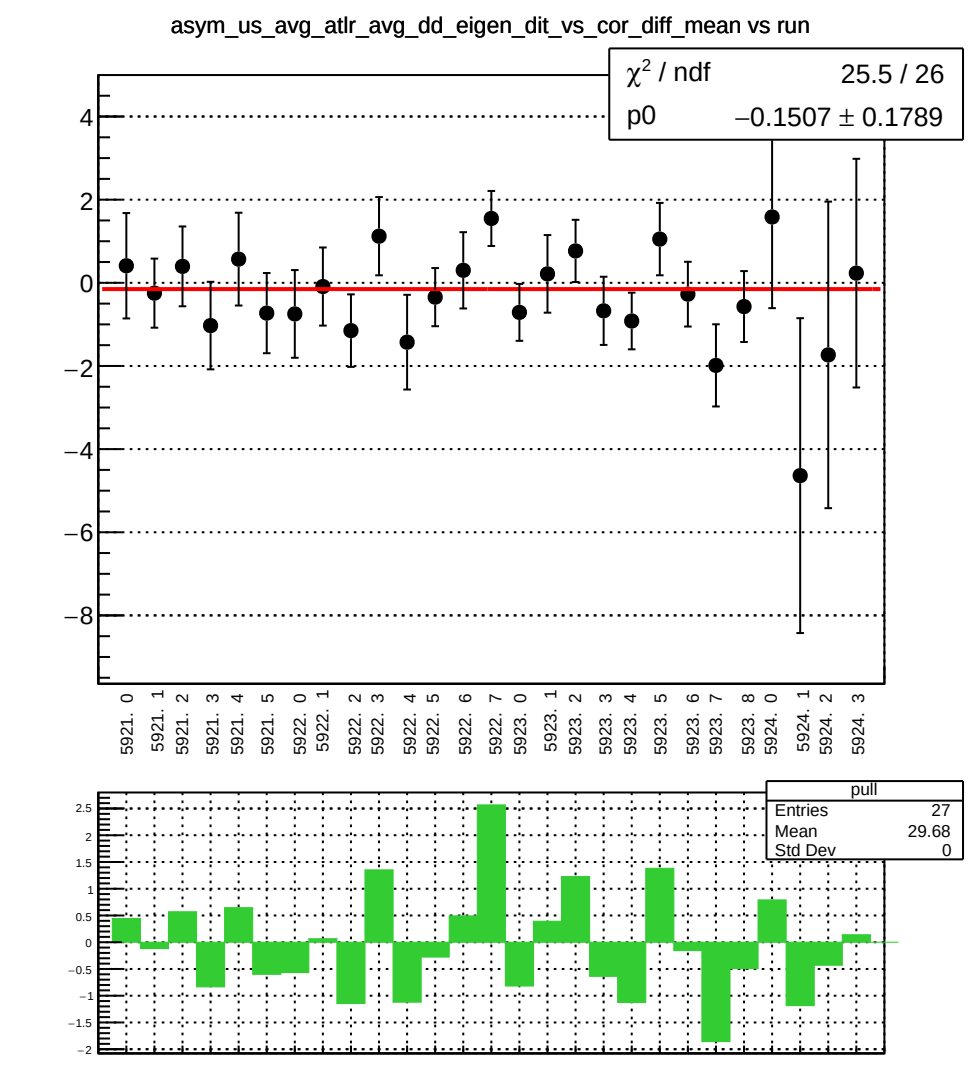

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 25.5 / 26
p0 −0.1507 ± 0.1789
4
2
0
−2
−4
−6
−8
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 29.68
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.04819
Std Dev 0.9706
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

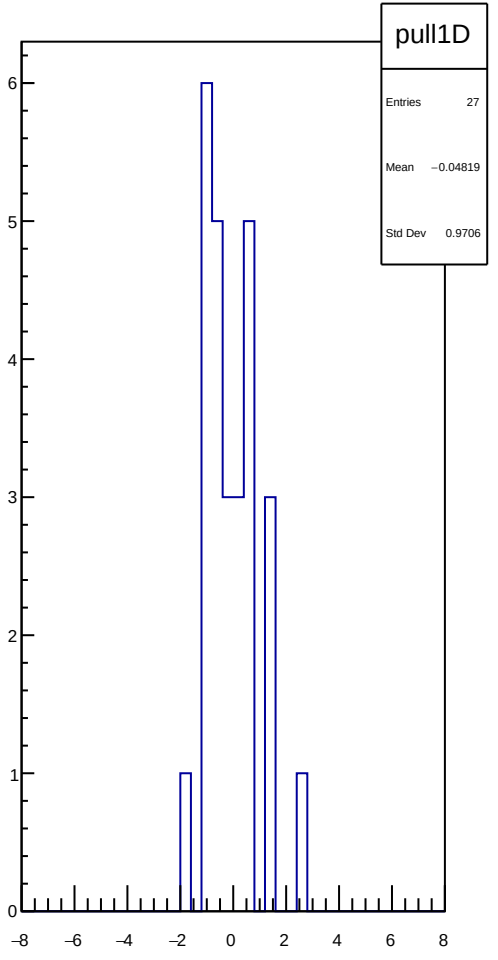

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.375e+04 / 26
p0 86.09 ± 0.1265
350
300
250
200
150
100
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

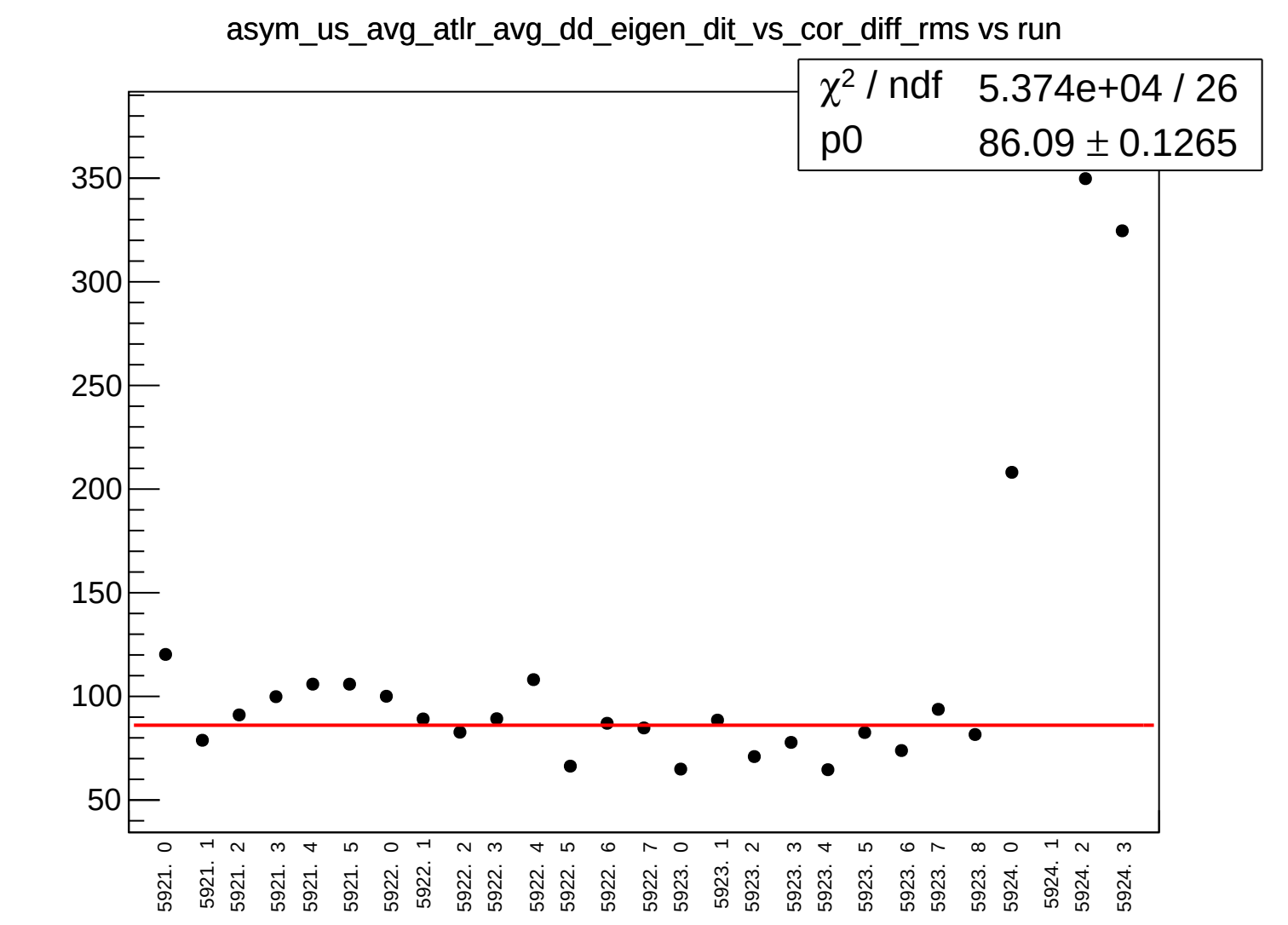

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 28.59 / 26
p0 1.137e−05 ± 1.674e−05
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 90.09
Std Dev 0
2
1
0
−1
−2

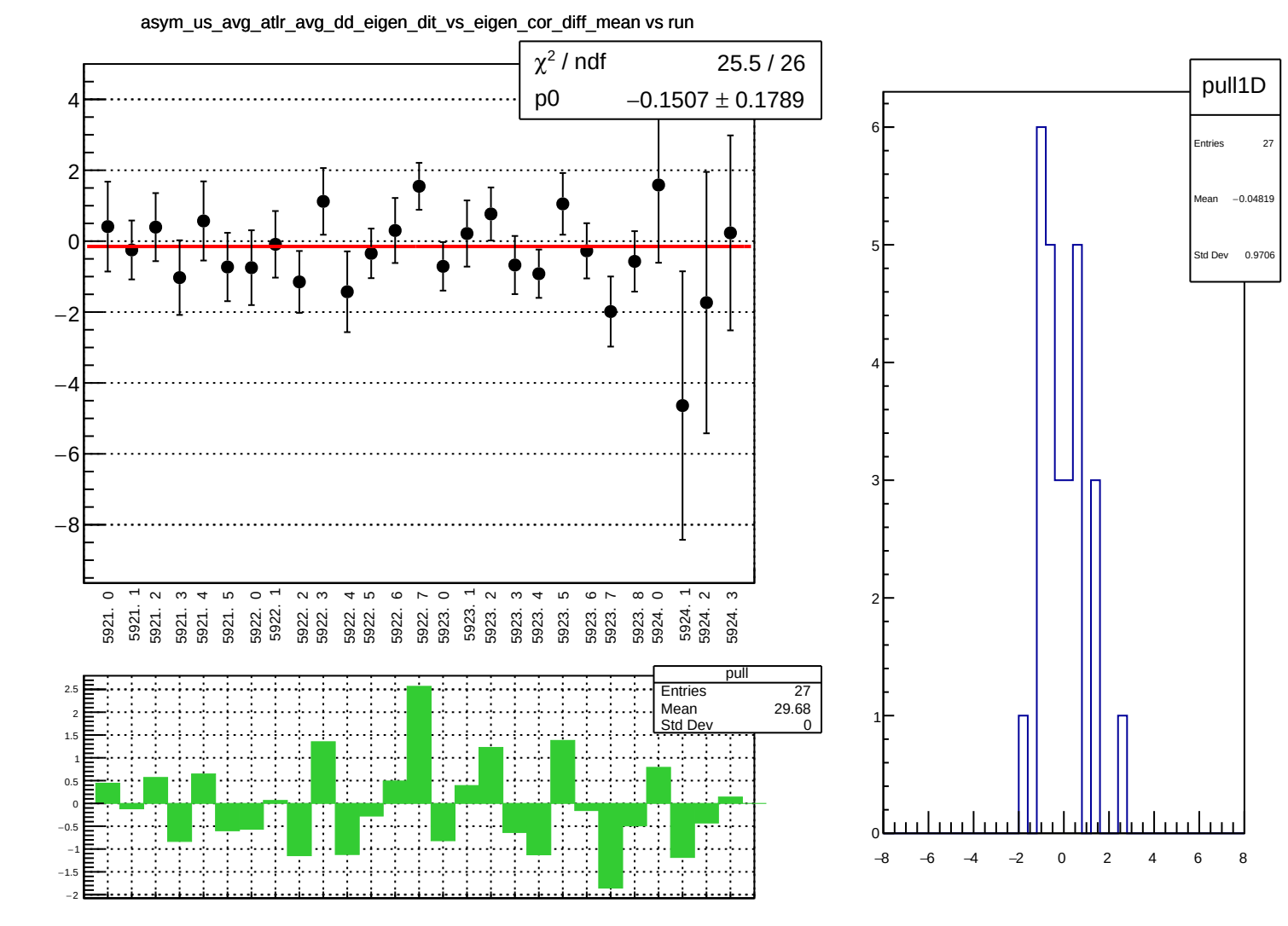

pull1D
Entries 27
Mean −0.01132
Std Dev 1.029
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

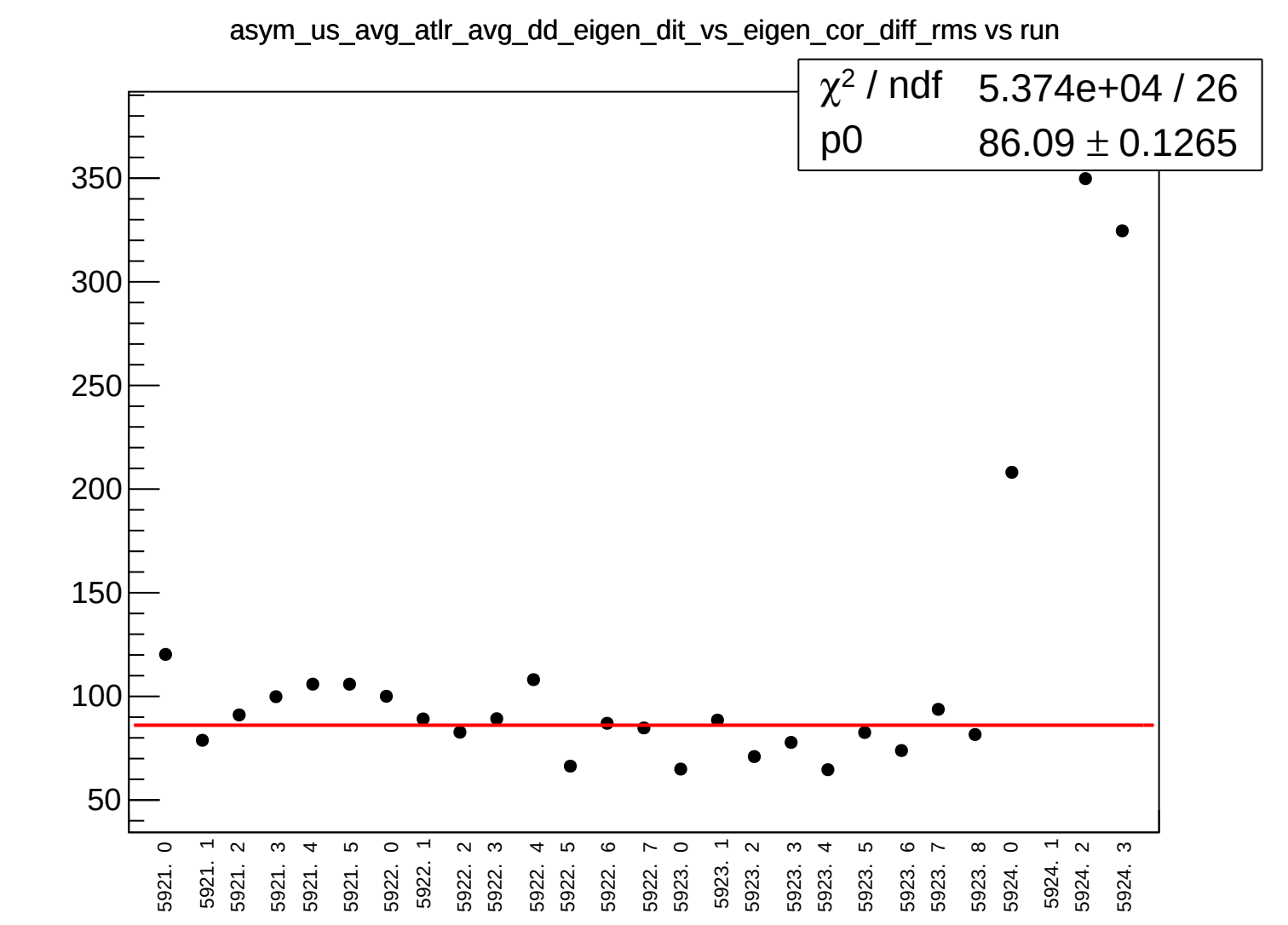

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.191e+04 / 26
p0 0.008247 ± 1.184e−05
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

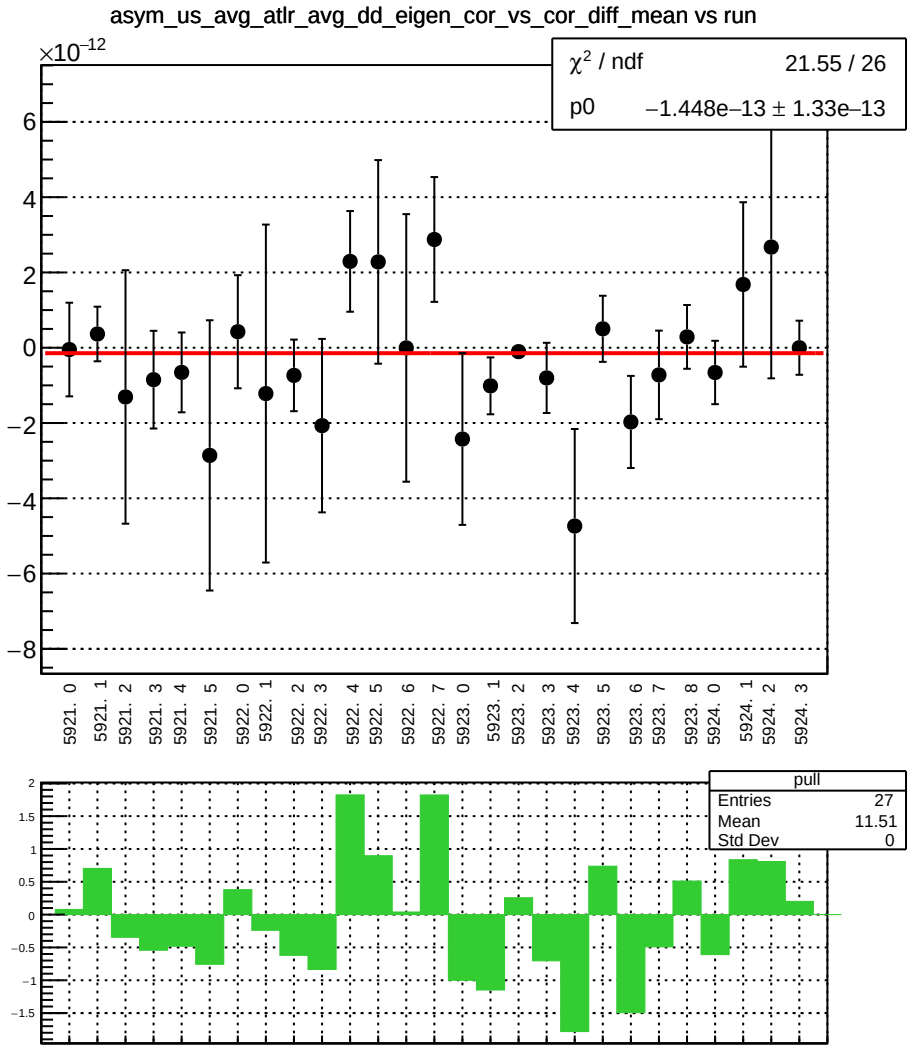

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 25.5 / 26
p0 −0.1507 ± 0.1789
4
2
0
−2
−4
−6
−8
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 29.68
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

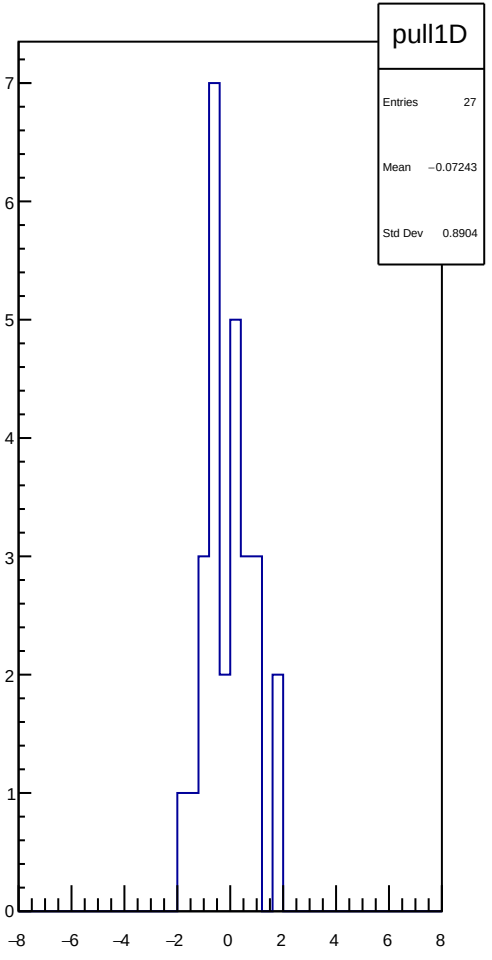

pull1D
Entries 27
Mean −0.04819
Std Dev 0.9706
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

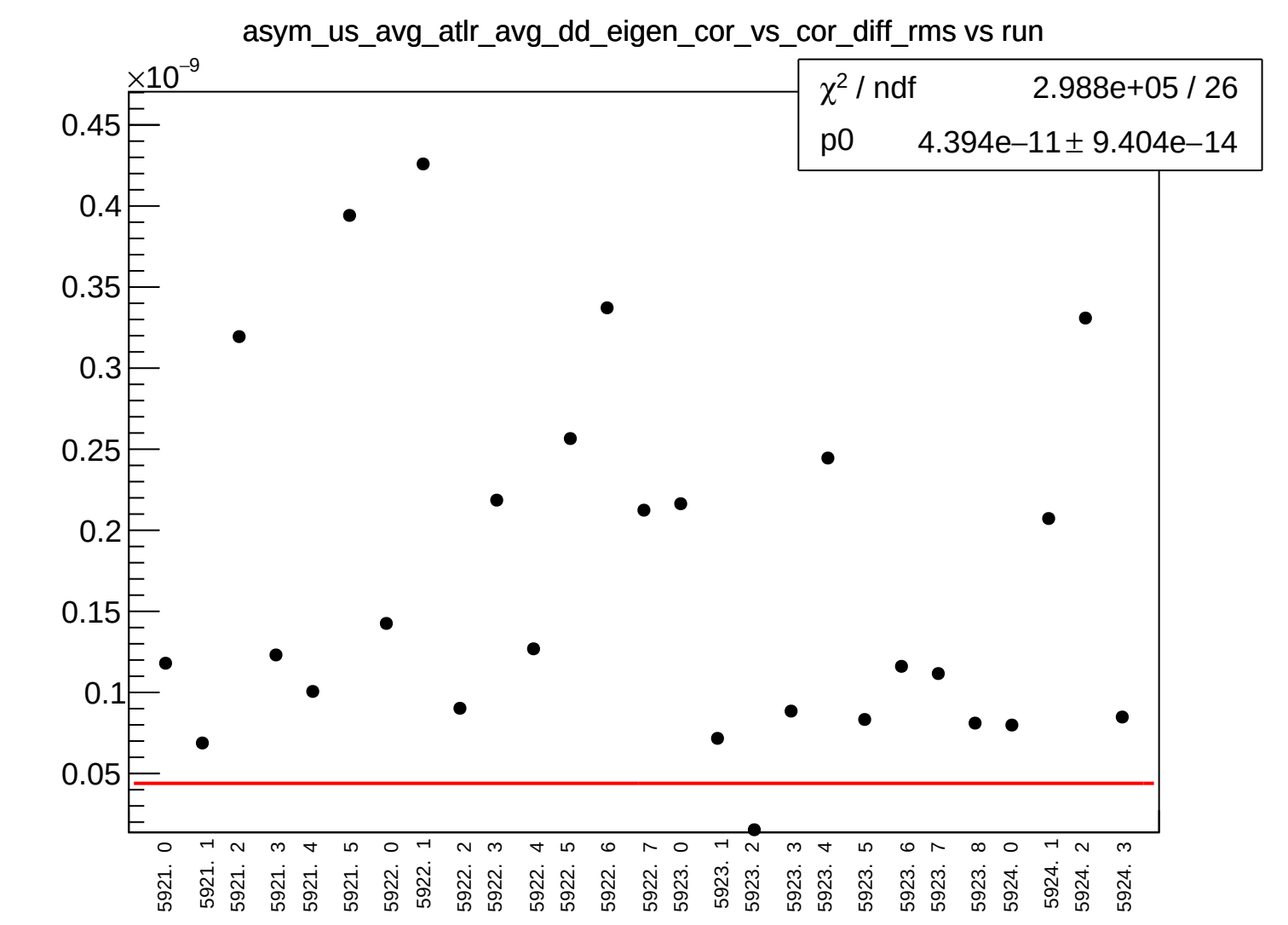

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.374e+04 / 26
p0 86.09 ± 0.1265
350
300
250
200
150
100
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

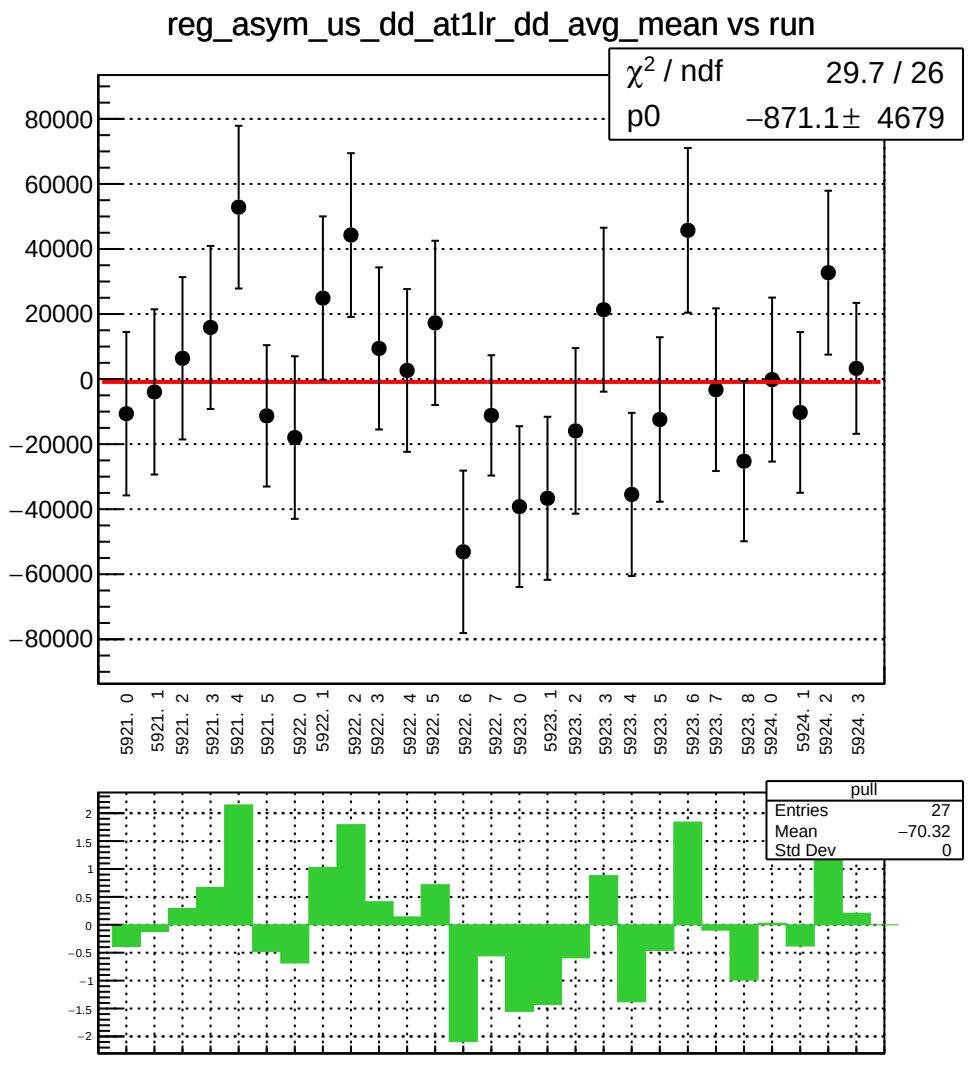

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 25.5 / 26
p0 −0.1507 ± 0.1789
4
2
0
−2
−4
−6
−8
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 29.68
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.04819
Std Dev 0.9706
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

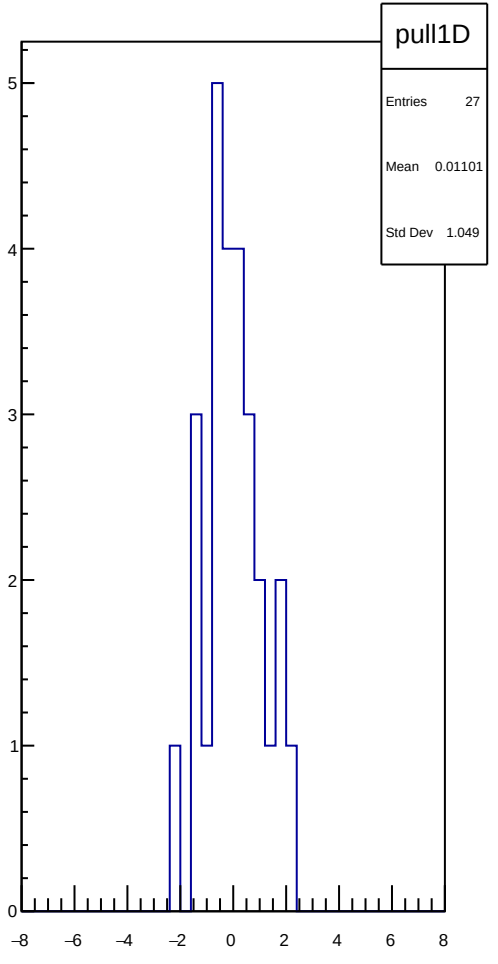

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.374e+04 / 26
p0 86.09 ± 0.1265
350
300
250
200
150
100
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

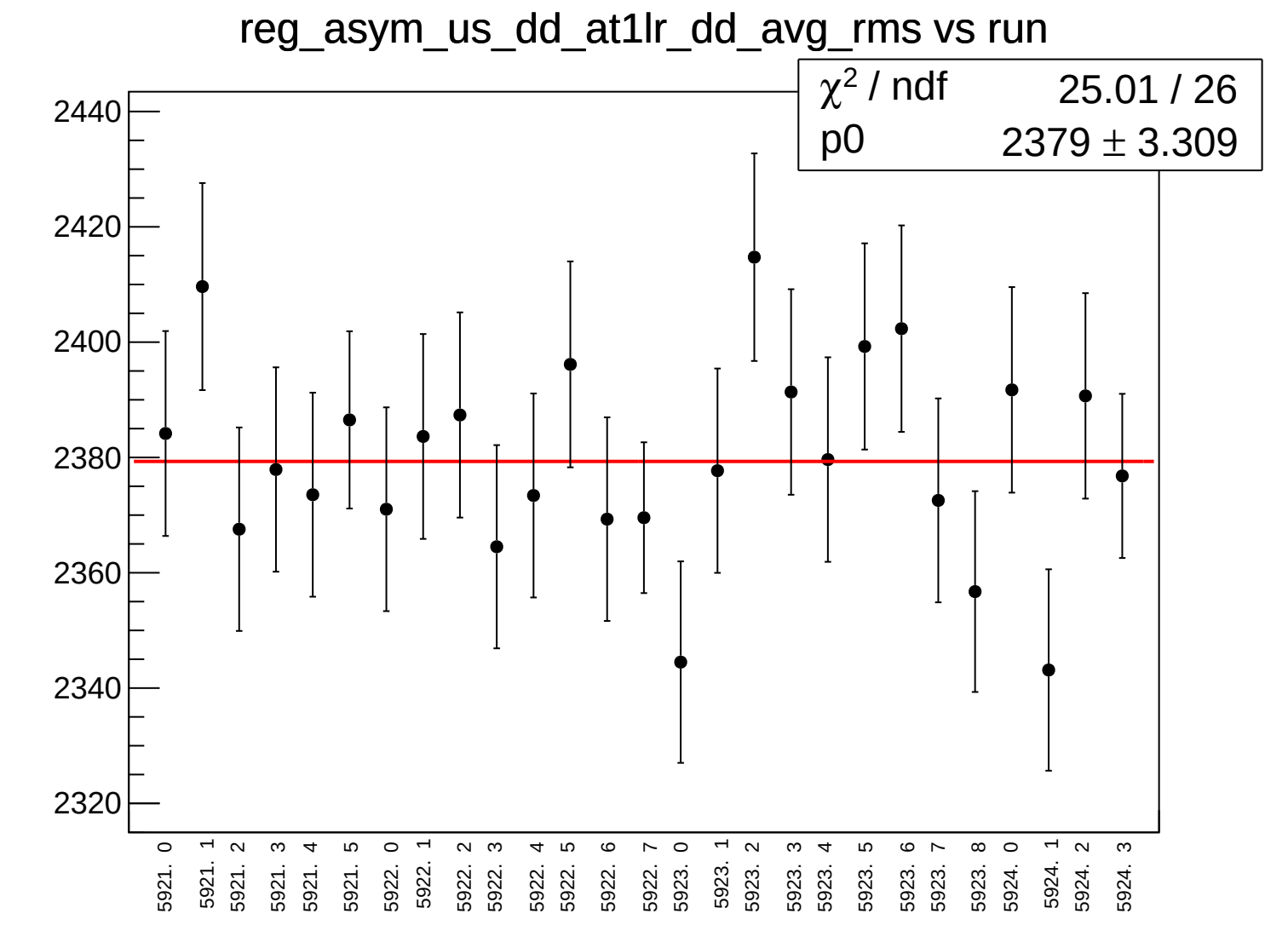

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 21.55 / 26
p0 −1.448e−13 ± 1.33e−13
6
4
2
0
−2
−4
−6
−8
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 11.51
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

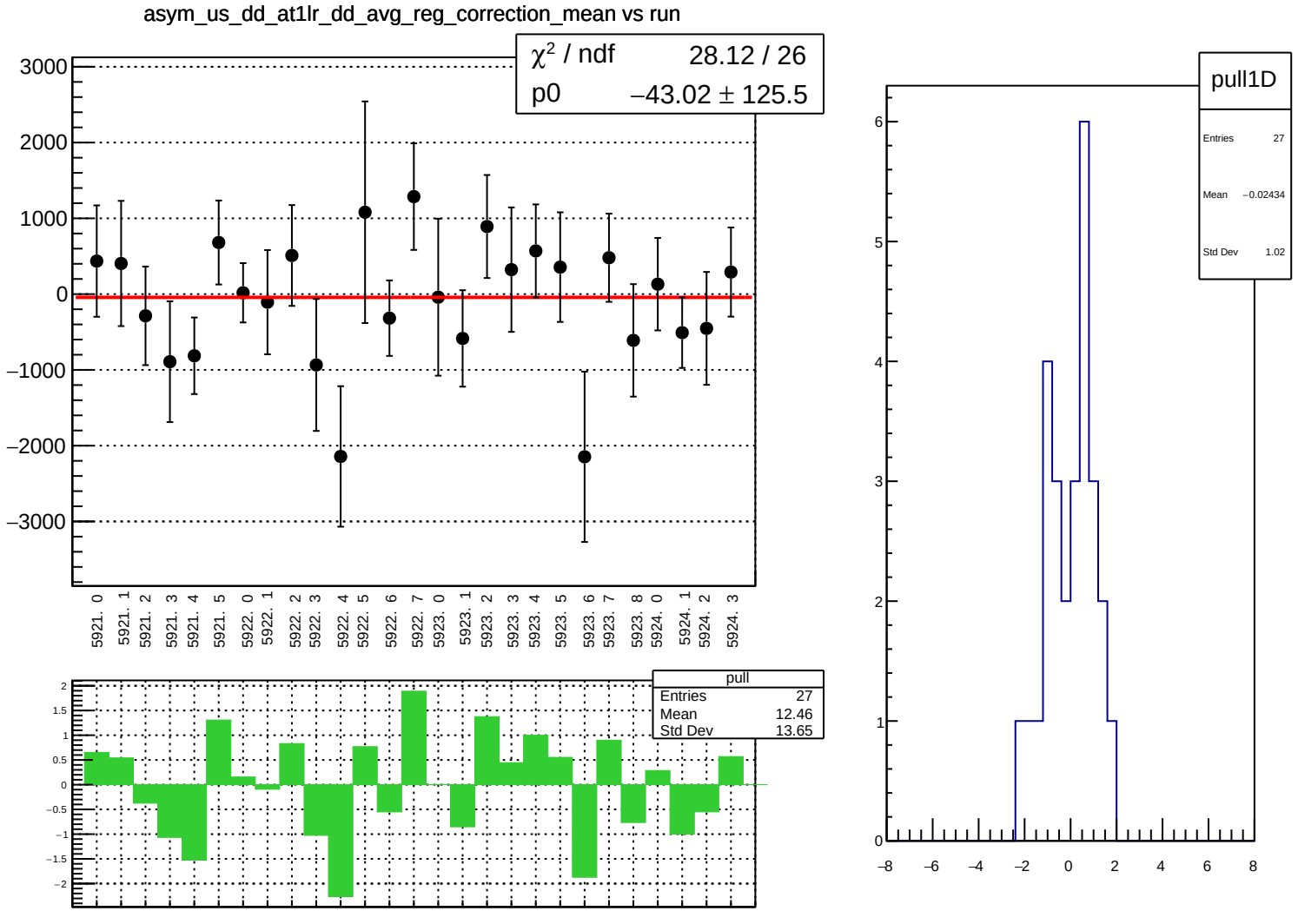

pull1D
Entries 27
Mean −0.07243
Std Dev 0.8904
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

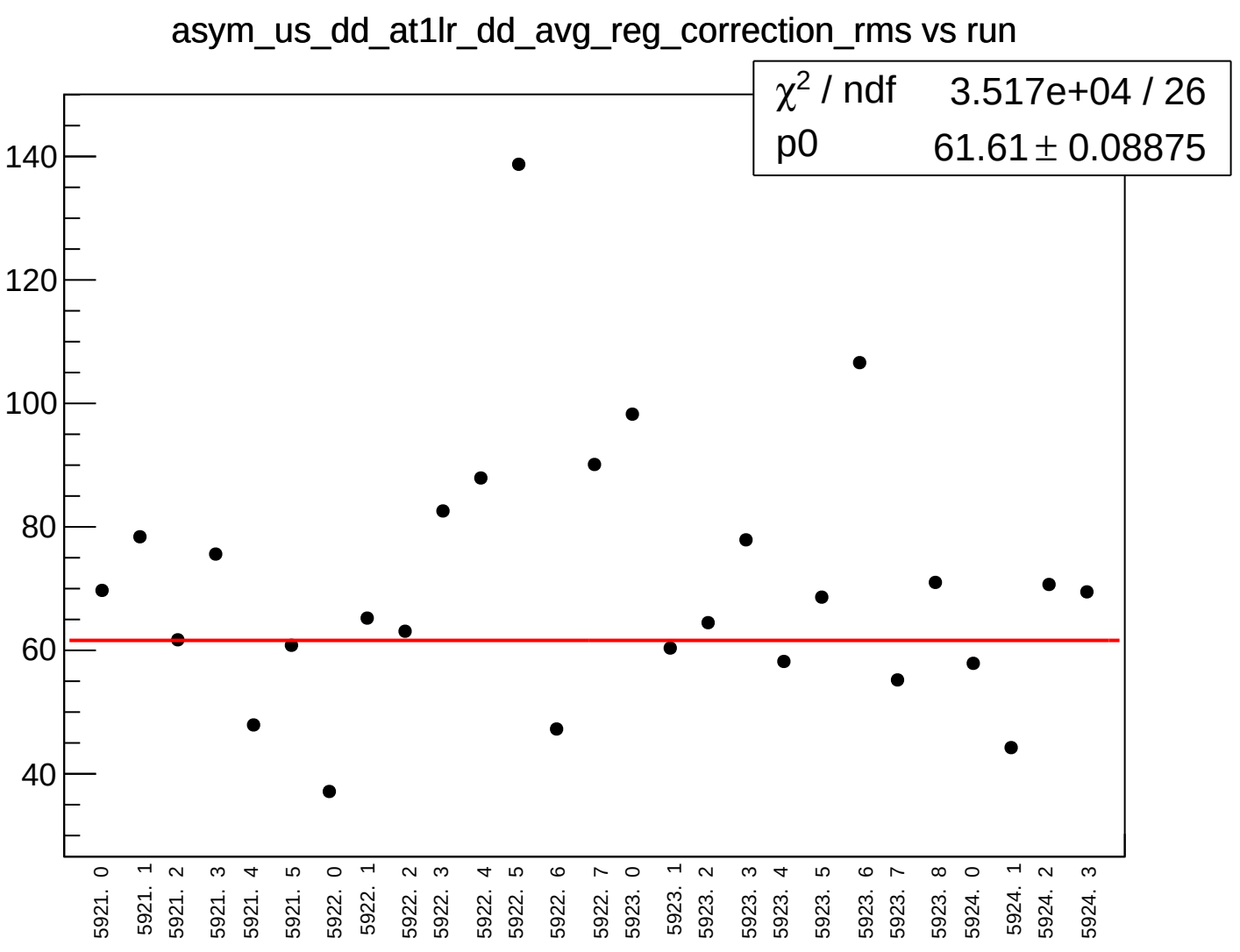

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.988e+05 / 26
p0 4.394e−11 ± 9.404e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

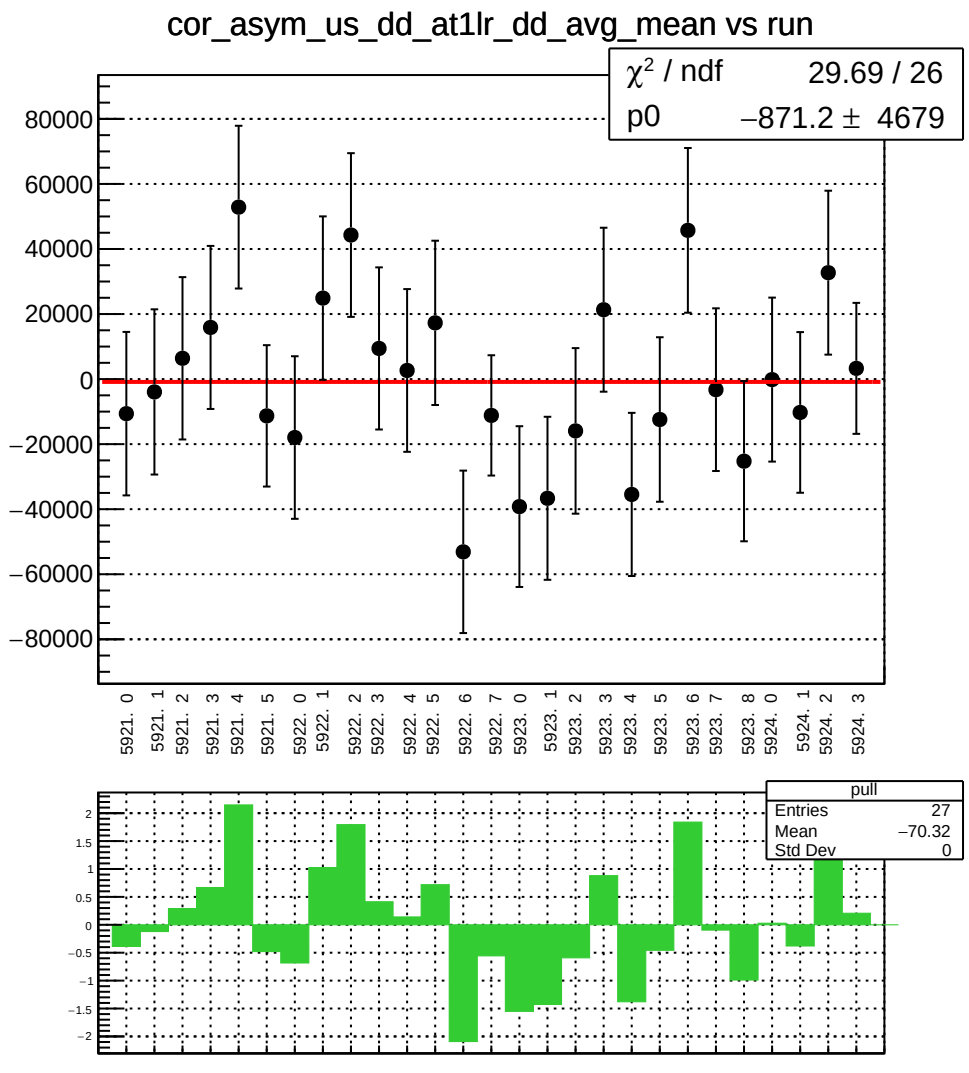

reg_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 29.7 / 26
p0 −871.1± 4679
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −70.32
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

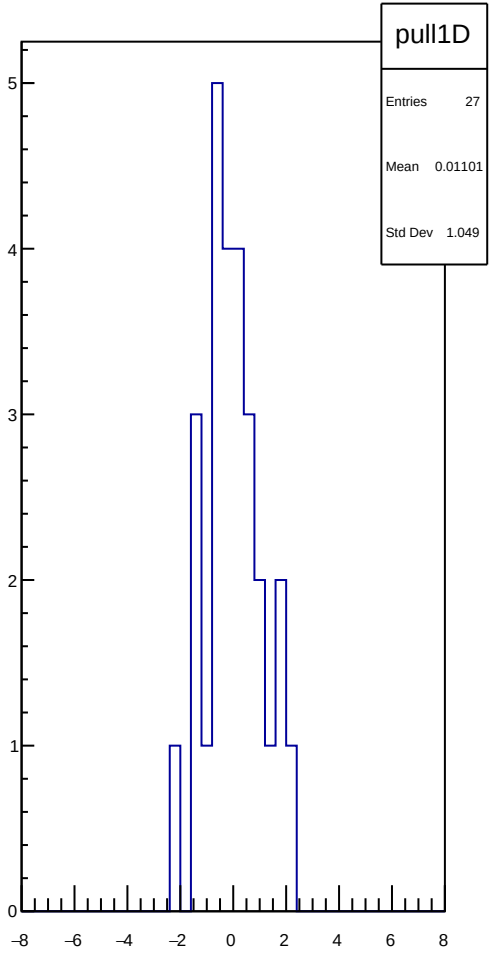

pull1D
Entries 27
Mean 0.01101
Std Dev 1.049
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

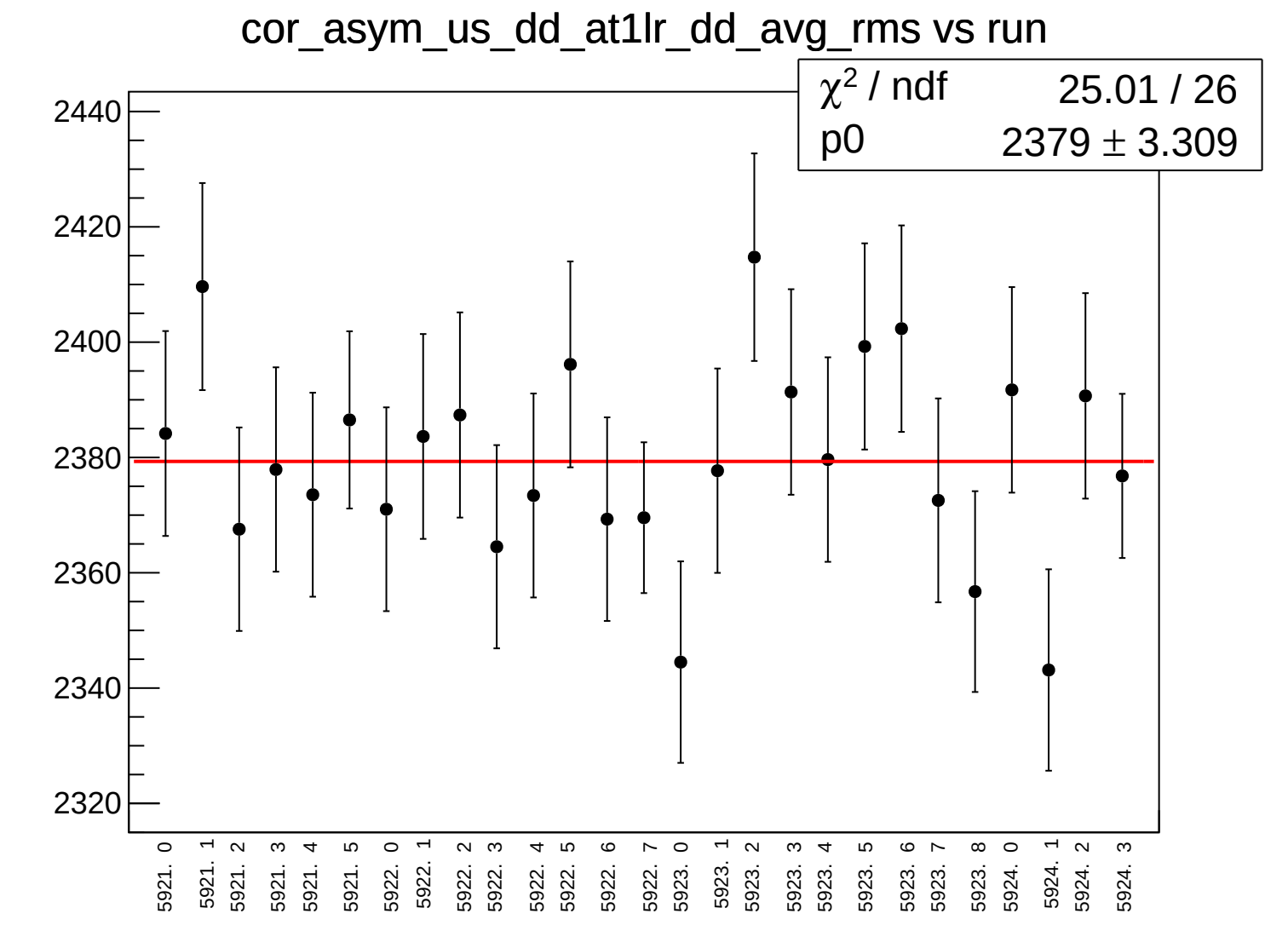

reg_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 25.01 / 26
p0 2379 ± 3.309
2440
2420
2400
2380
2360
2340
2320
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

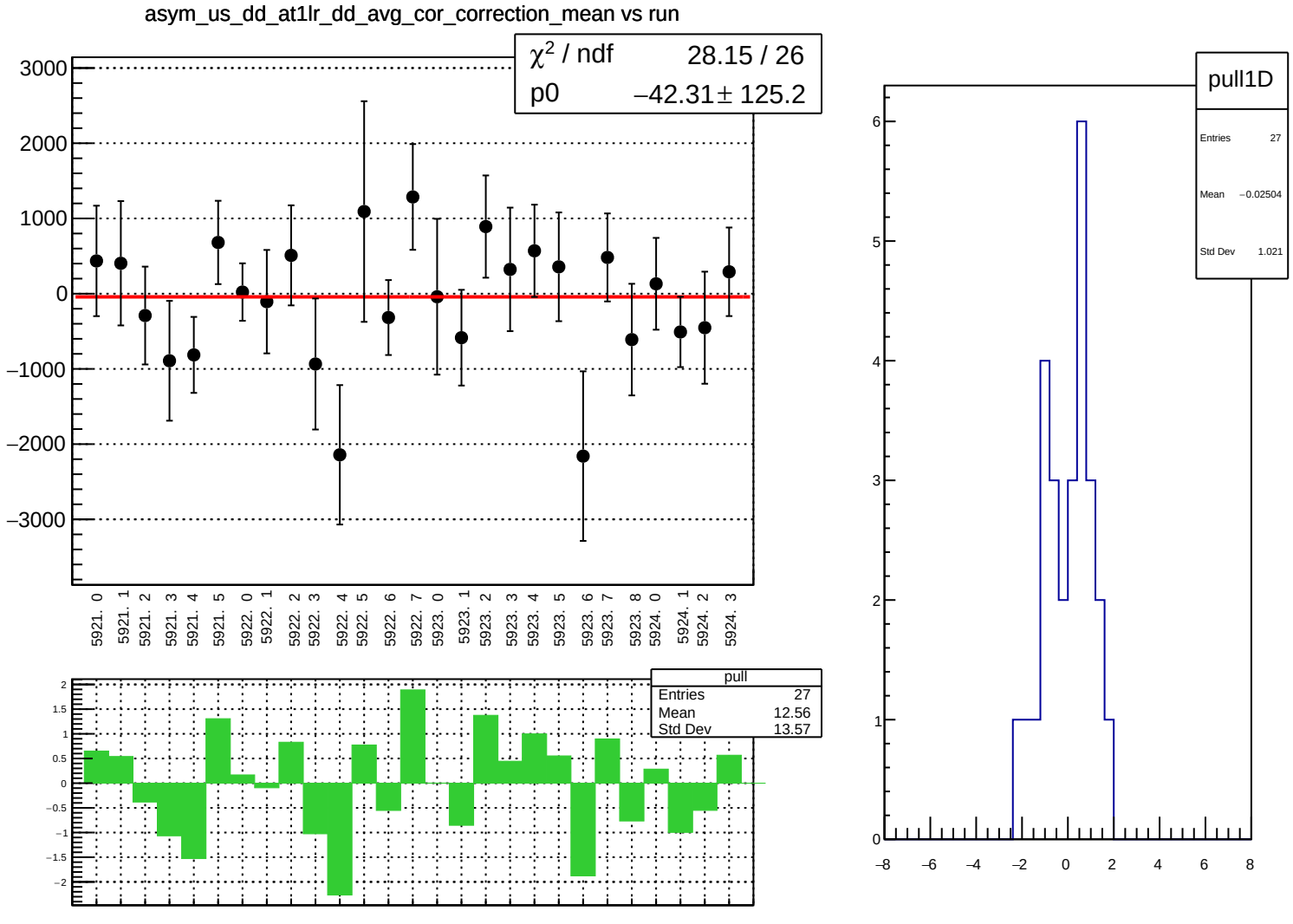

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs run
χ² / ndf 28.12 / 26
p0 −43.02 ± 125.5
3000
2000
1000
0
−1000
−2000
−3000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 12.46
Std Dev 13.65
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.02434
Std Dev 1.02
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

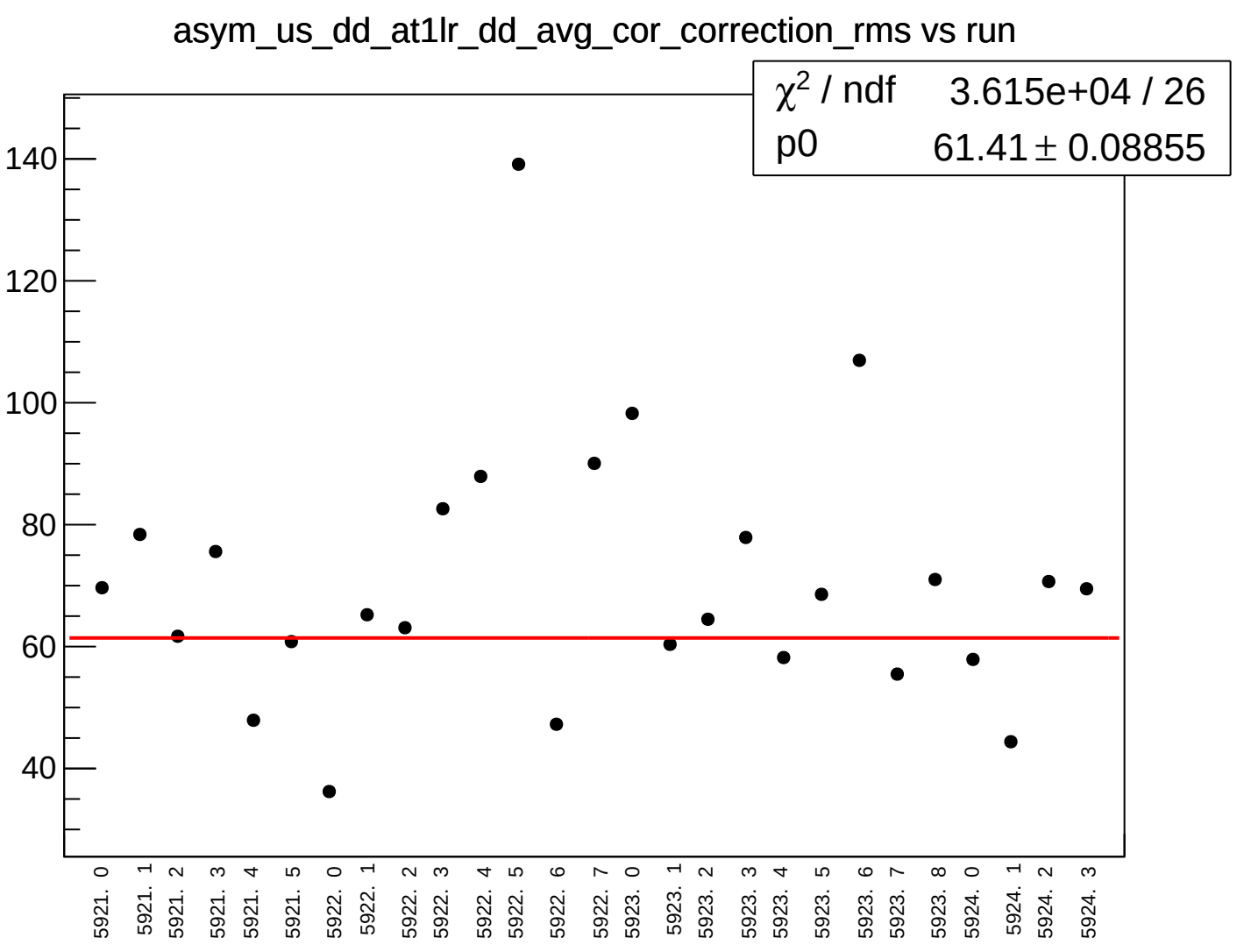

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs run
χ² / ndf 3.517e+04 / 26
p0 61.61 ± 0.08875
140
120
100
80
60
40
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

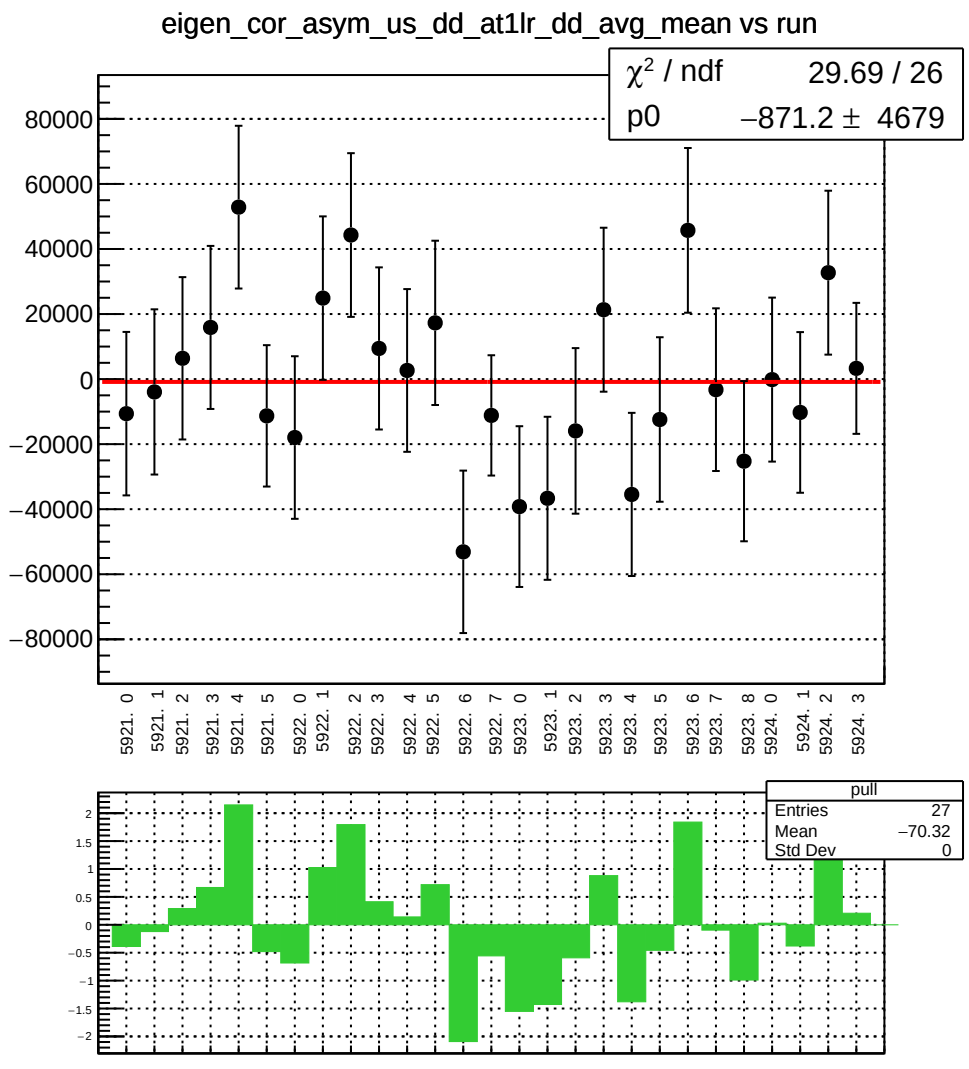

cor_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 29.69 / 26
p0 −871.2 ± 4679
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −70.32
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

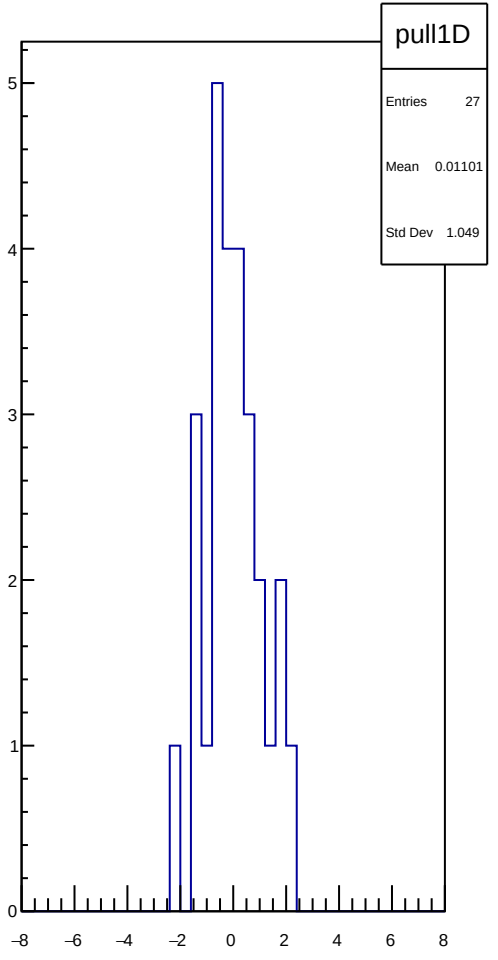

pull1D
Entries 27
Mean 0.01101
Std Dev 1.049
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

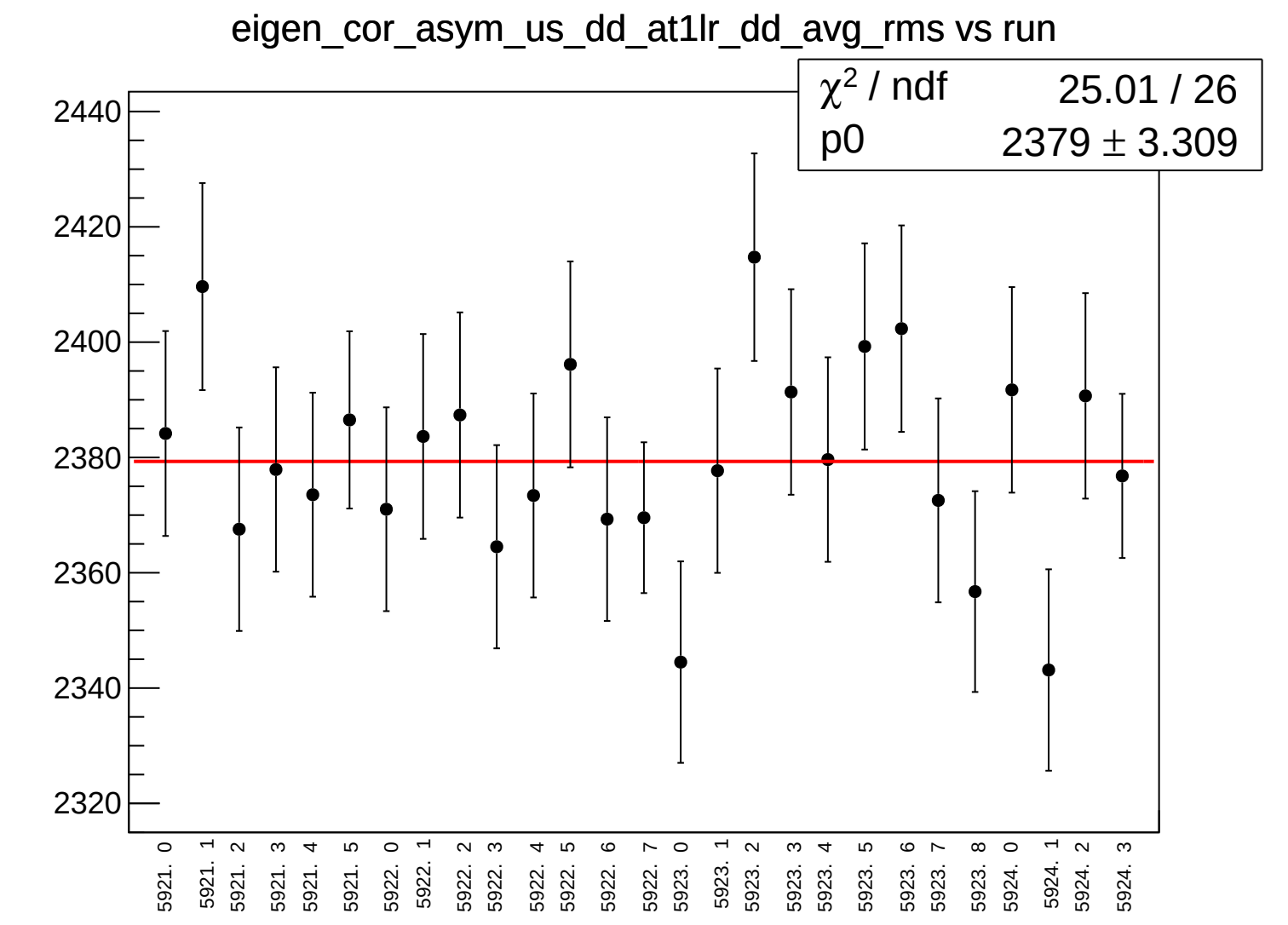

cor_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 25.01 / 26
p0 2379 ± 3.309
2440
2420
2400
2380
2360
2340
2320
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

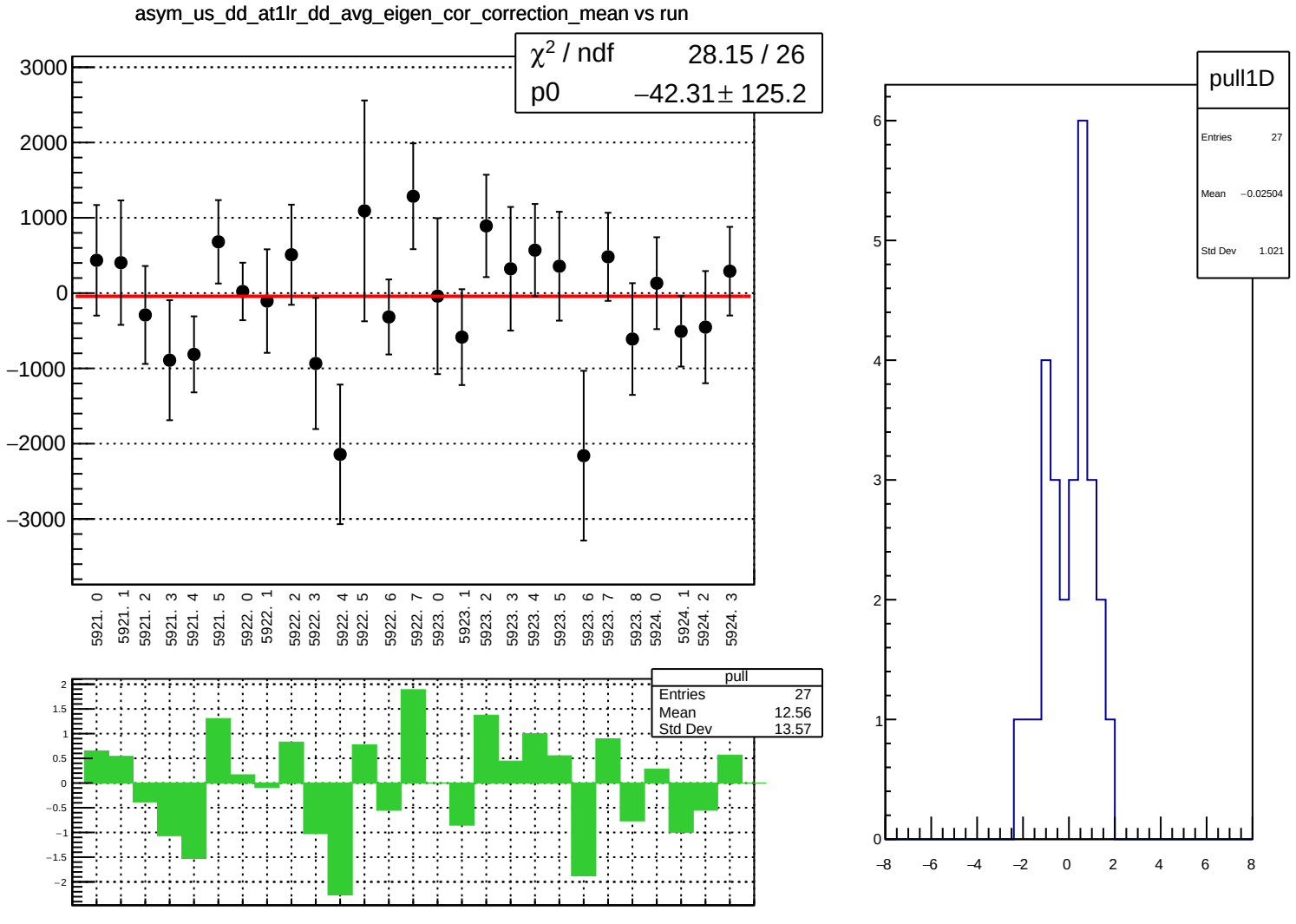

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs run
χ² / ndf 28.15 / 26
p0 −42.31 ± 125.2
3000
2000
1000
0
−1000
−2000
−3000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 12.56
Std Dev 13.57
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.02504
Std Dev 1.021
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

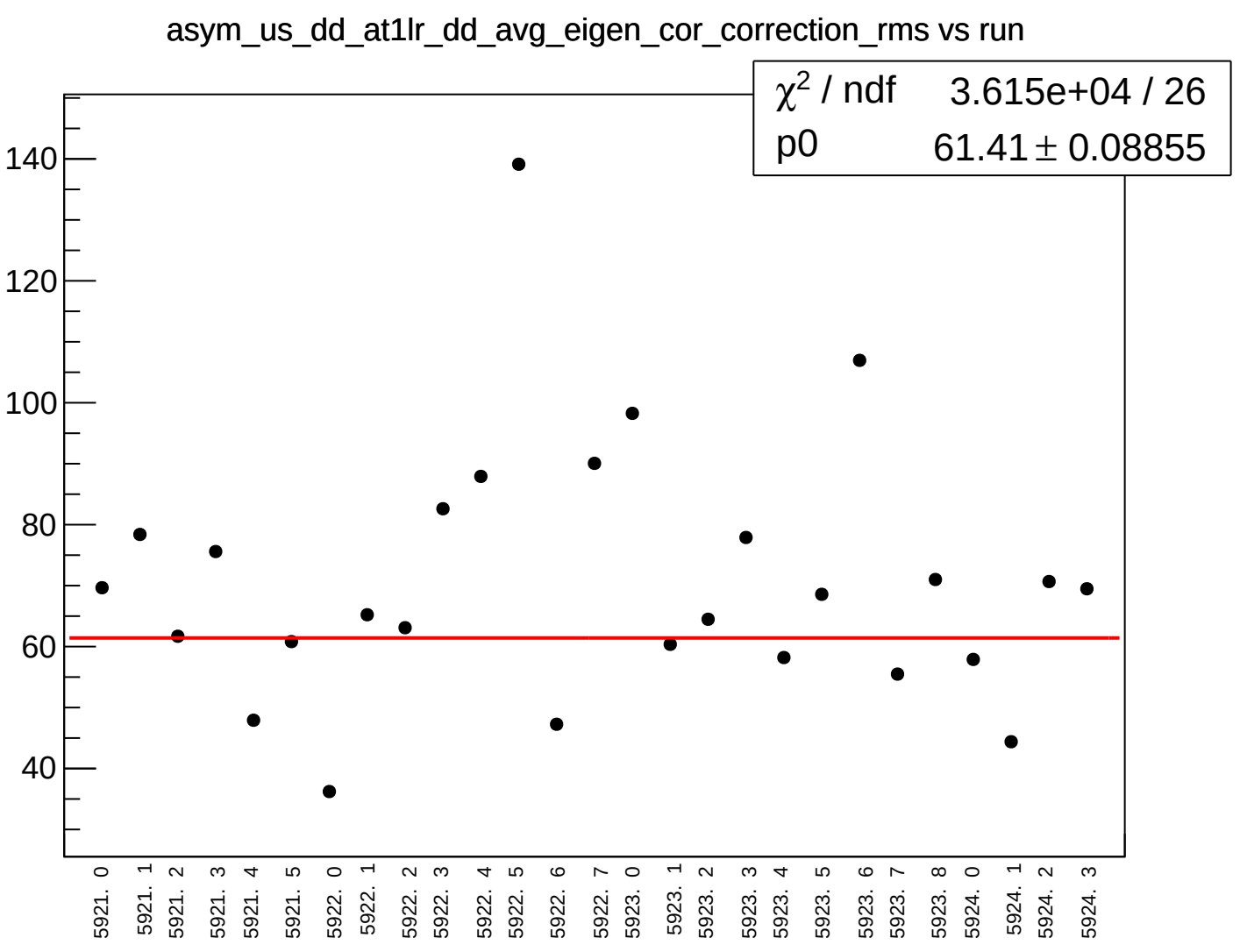

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs run
χ² / ndf 3.615e+04 / 26
p0 61.41 ± 0.08855
140
120
100
80
60
40
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

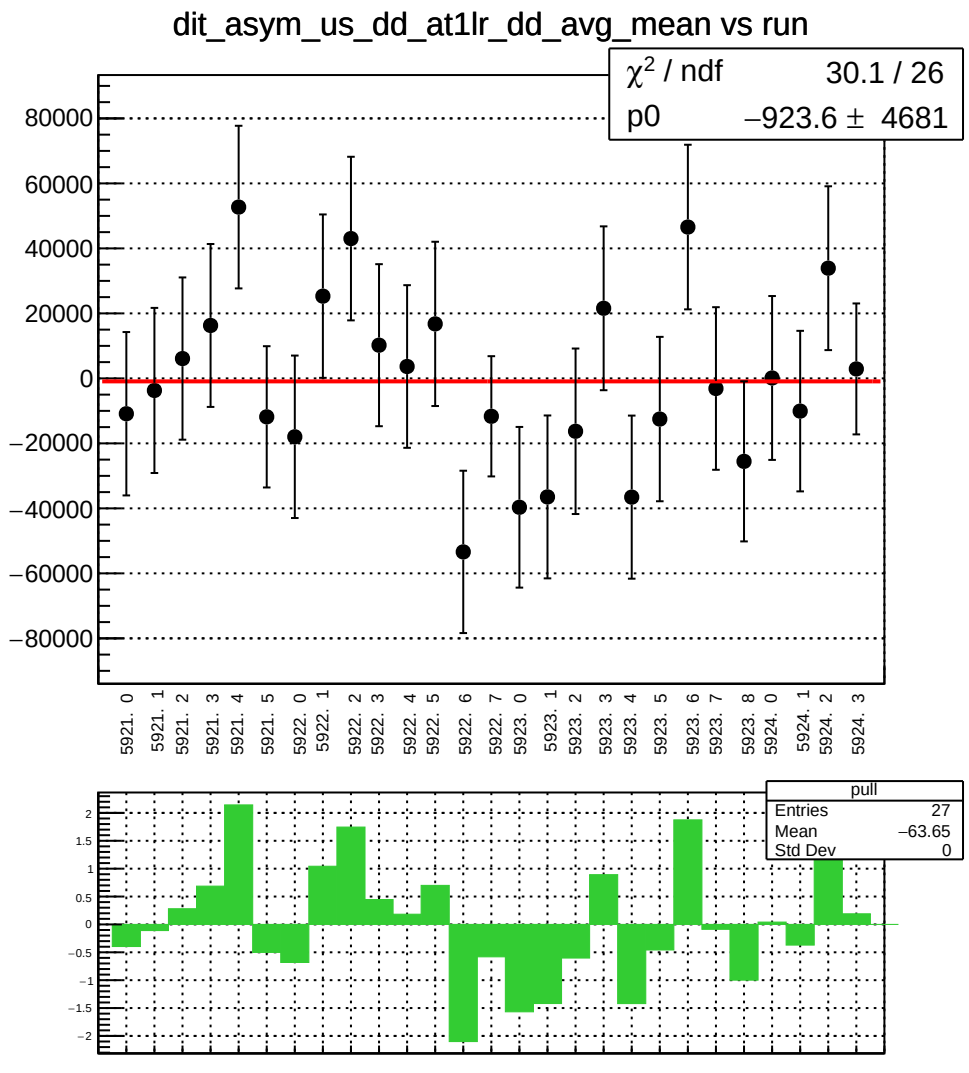

eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 29.69 / 26
p0 −871.2 ± 4679
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −70.32
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

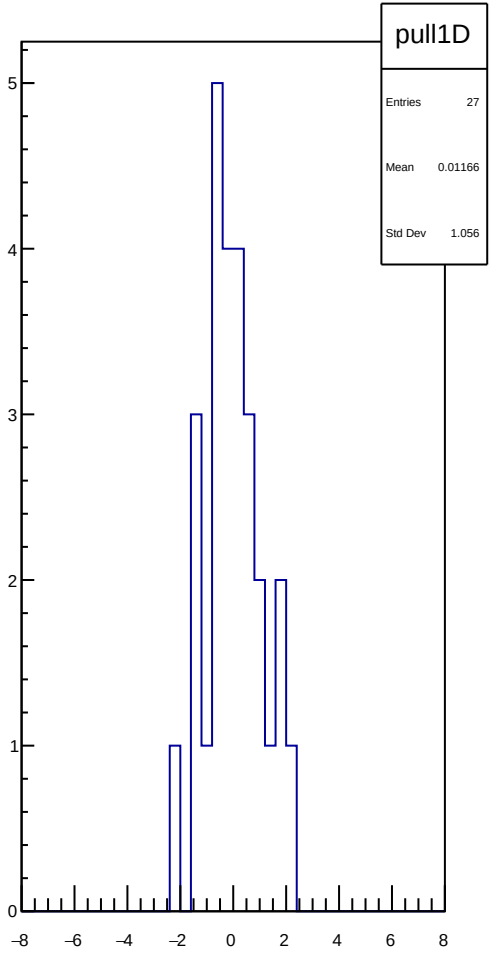

pull1D
Entries 27
Mean 0.01101
Std Dev 1.049
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

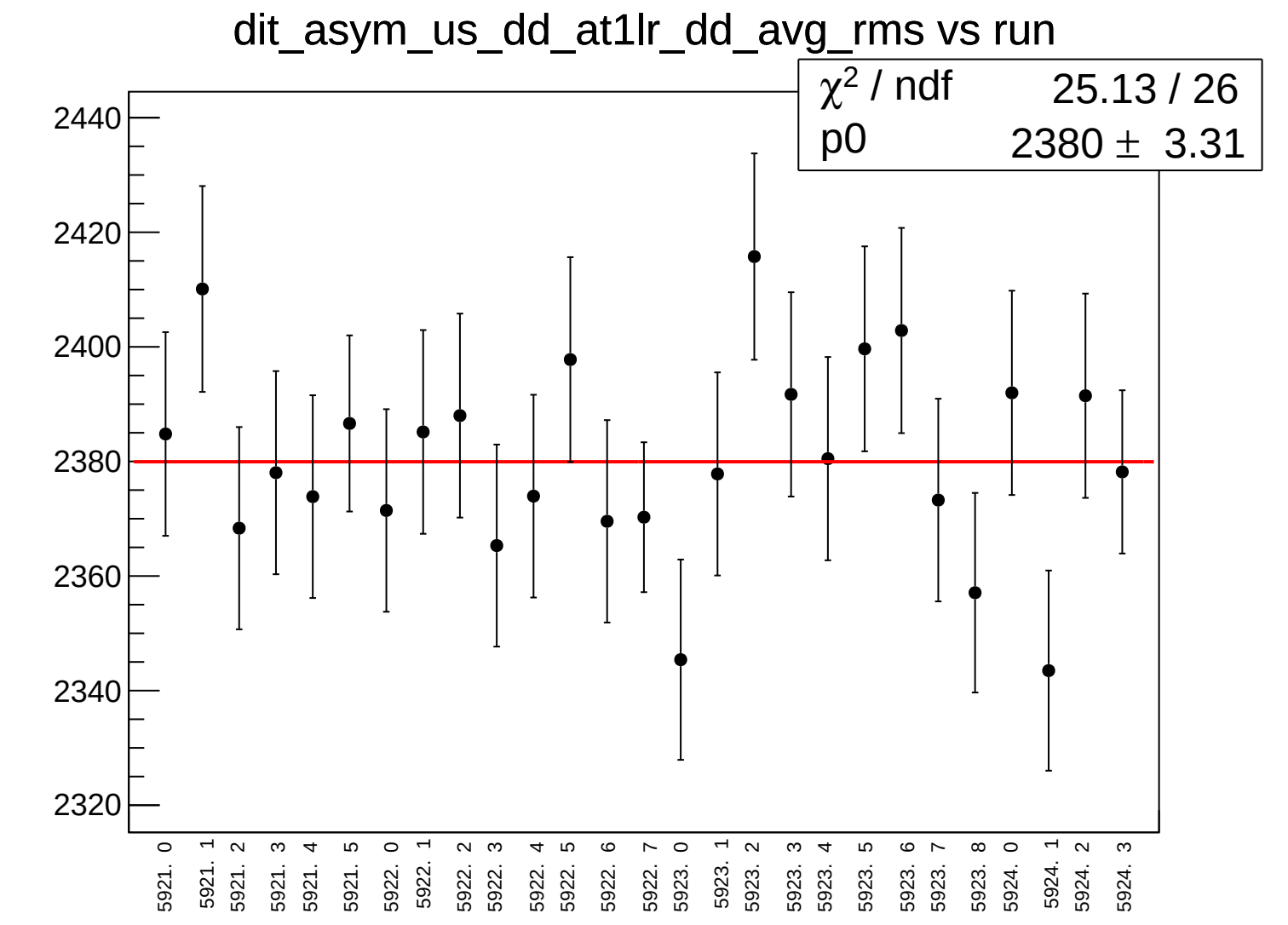

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 25.01 / 26
p0 2379 ± 3.309
2440
2420
2400
2380
2360
2340
2320
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

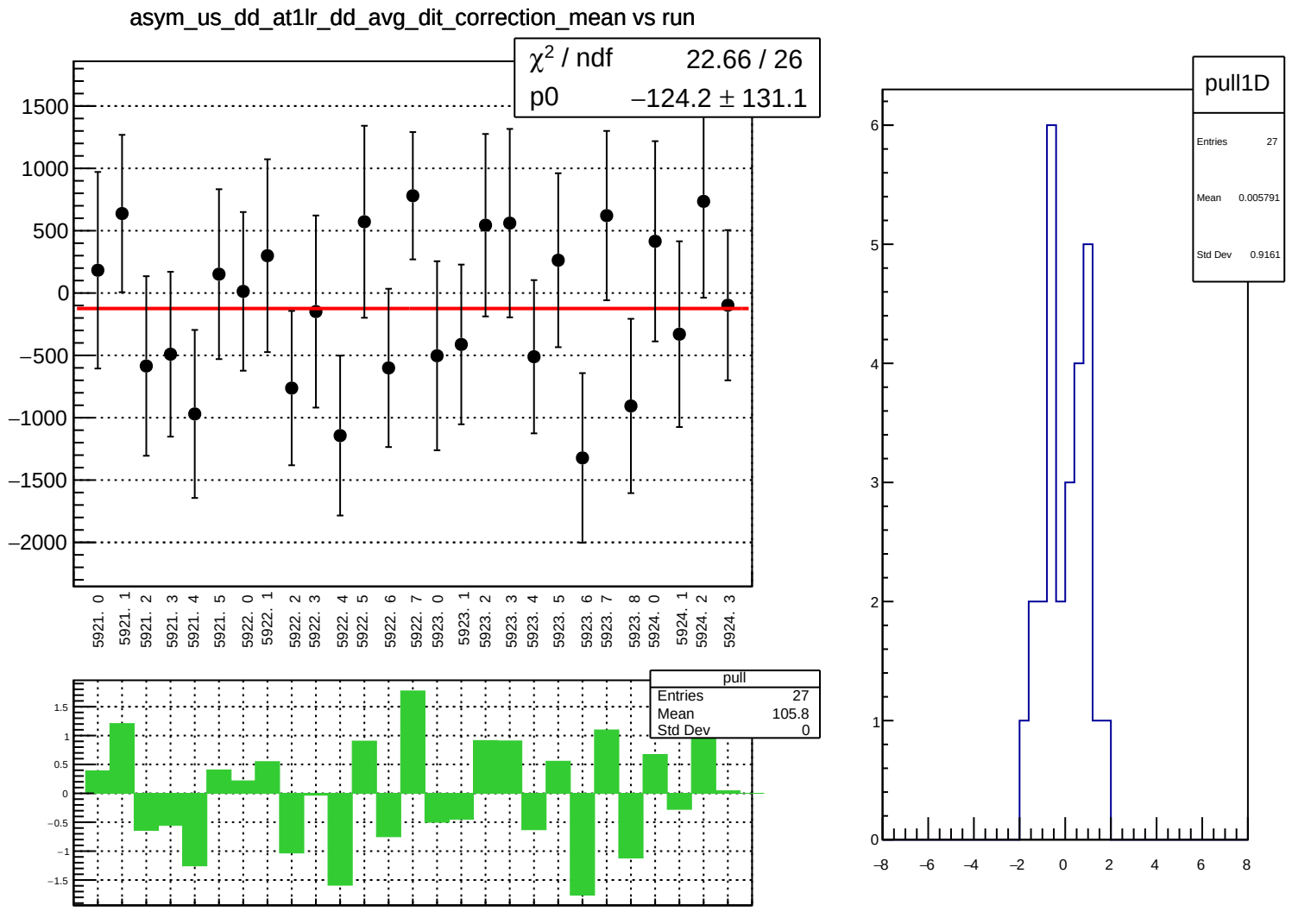

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 28.15 / 26
p0 −42.31 ± 125.2
3000
2000
1000
0
−1000
−2000
−3000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 12.56
Std Dev 13.57
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.02504
Std Dev 1.021
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

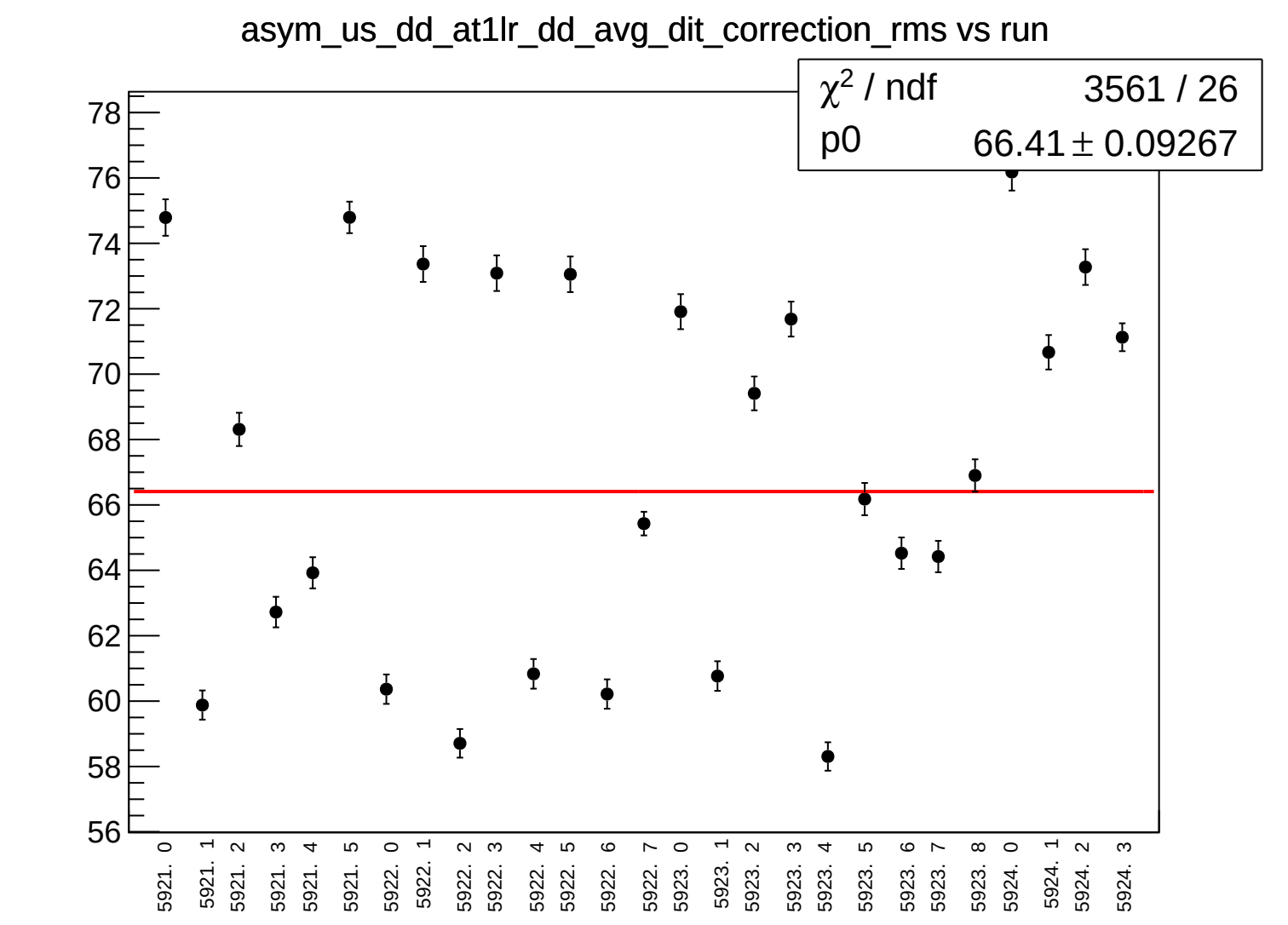

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 3.615e+04 / 26
p0 61.41 ± 0.08855
140
120
100
80
60
40
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

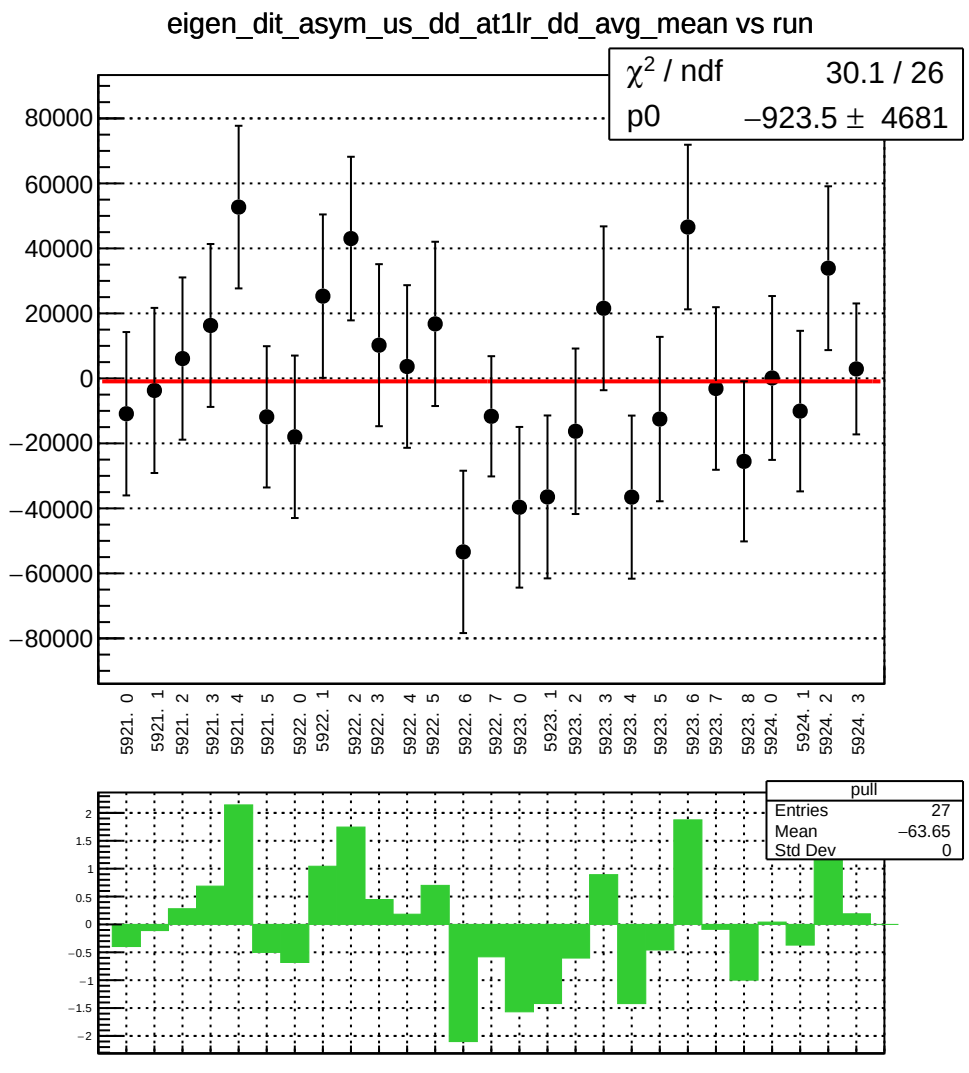

dit_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 30.1 / 26
p0 −923.6 ± 4681
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −63.65
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

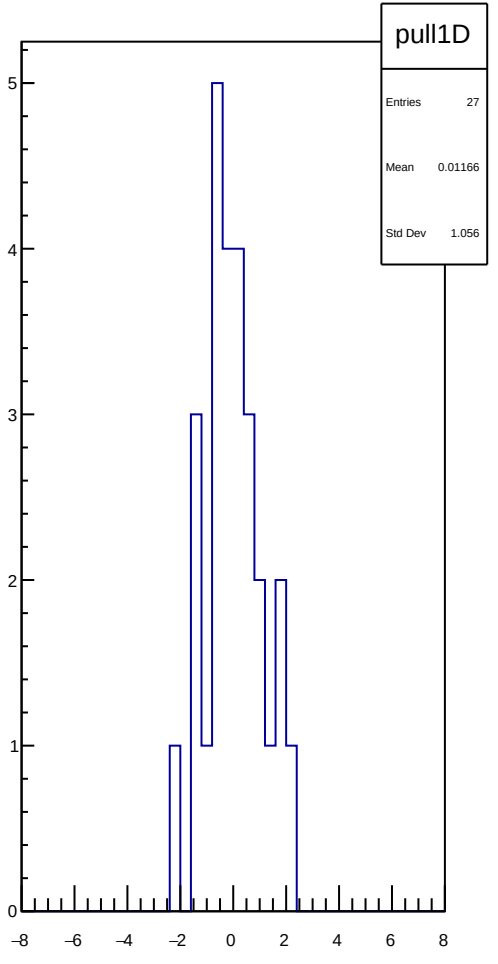

pull1D
Entries 27
Mean 0.01166
Std Dev 1.056
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

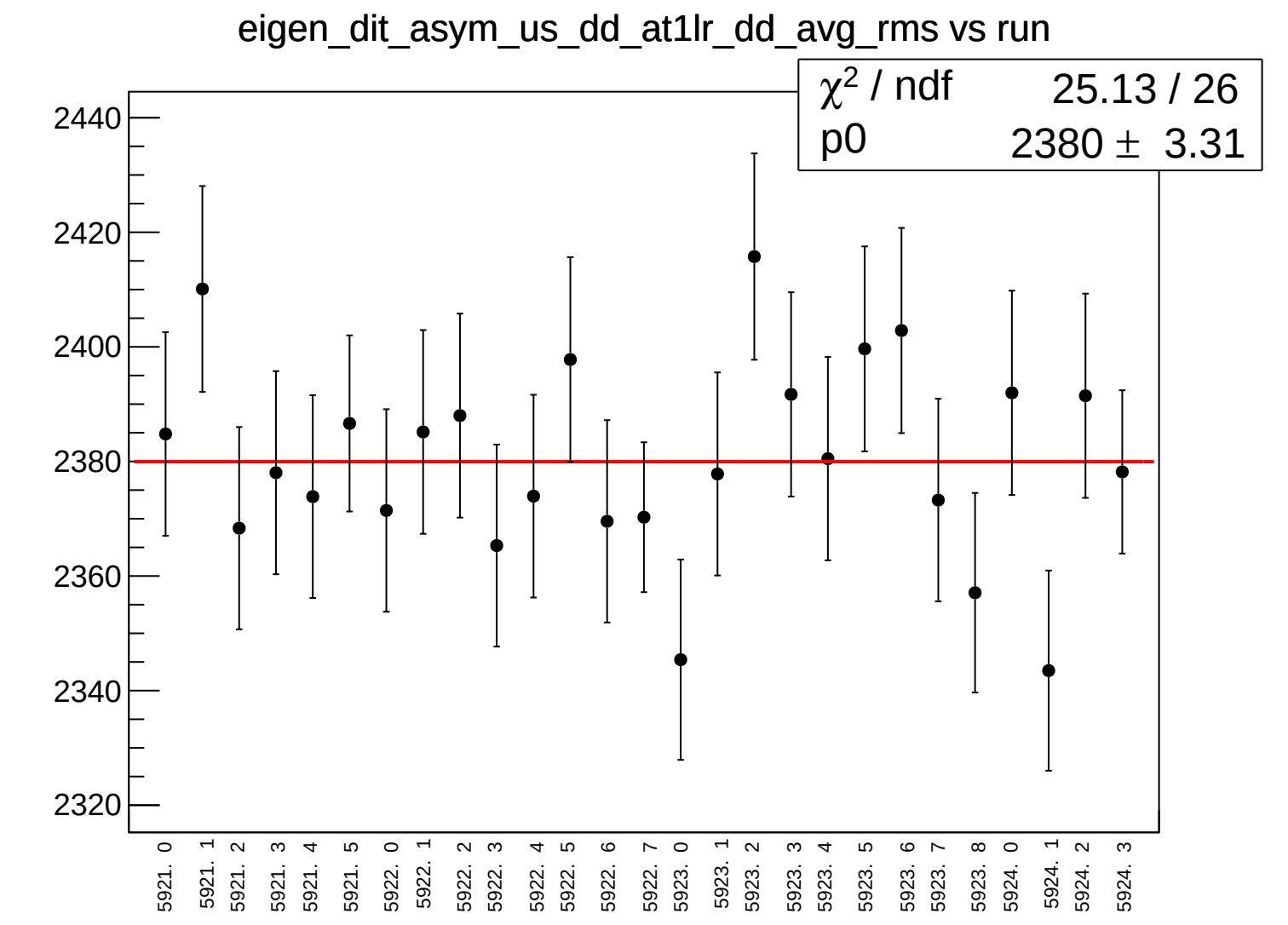

dit_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 25.13 / 26
p0 2380 ± 3.31
2440
2420
2400
2380
2360
2340
2320
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

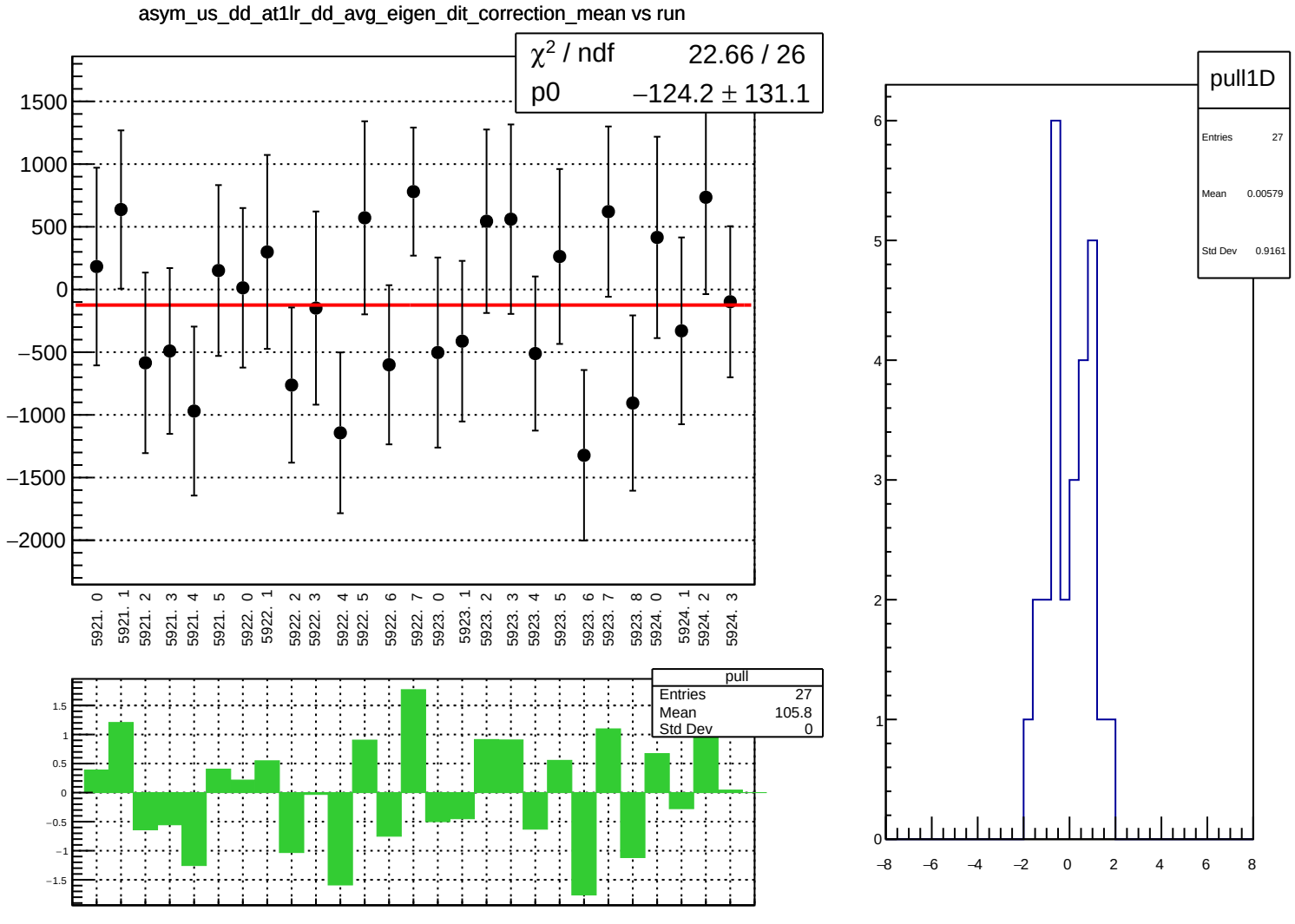

asym_us_dd_at1lr_dd_avg_dit_correction_mean vs run
χ² / ndf 22.66 / 26
p0 −124.2 ± 131.1
1500
1000
500
0
−500
−1000
−1500
−2000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 105.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.005791
Std Dev 0.9161
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

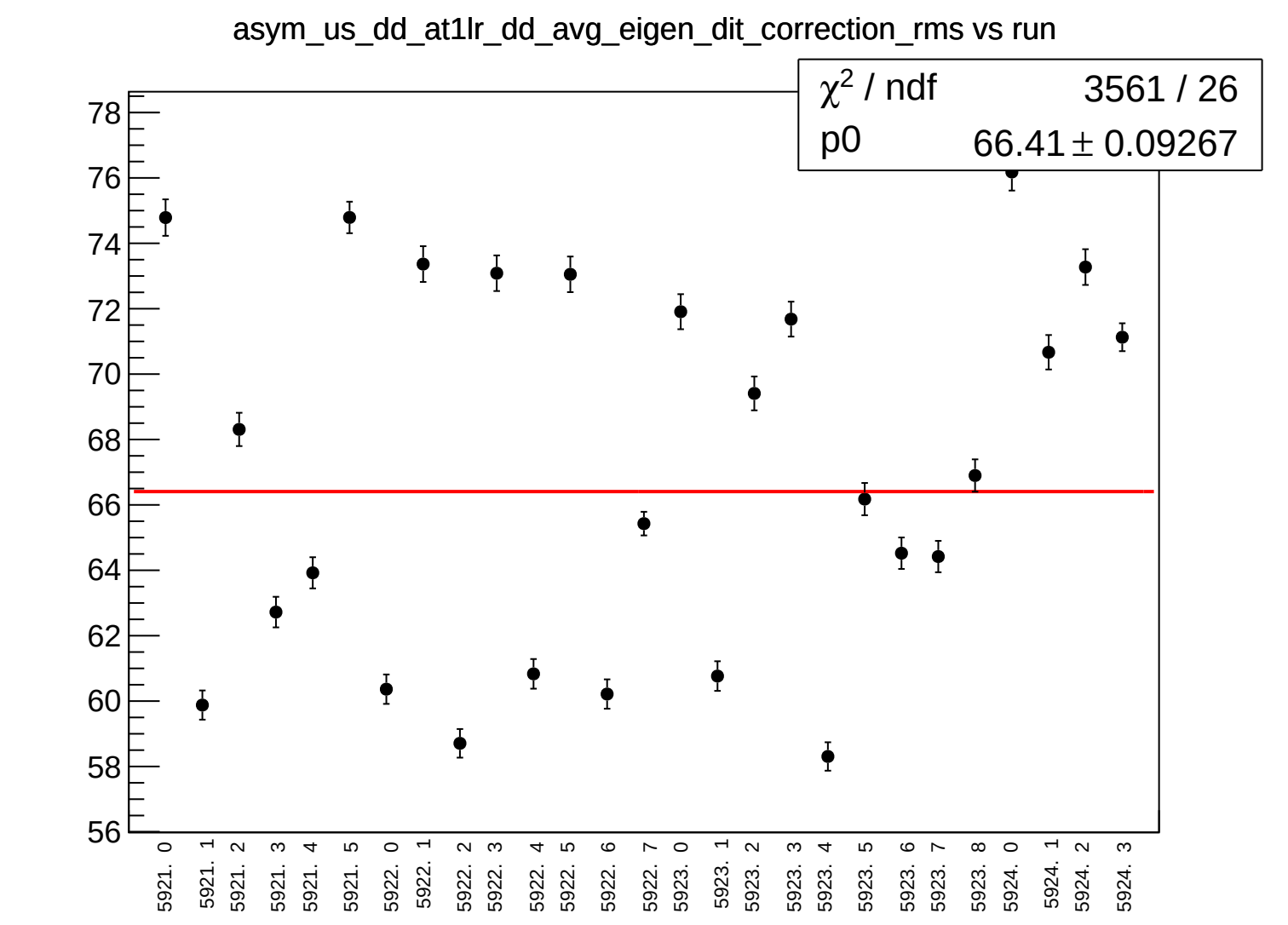

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs run
χ² / ndf 3561 / 26
p0 66.41 ± 0.09267
78
76
74
72
70
68
66
64
62
60
58
56
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

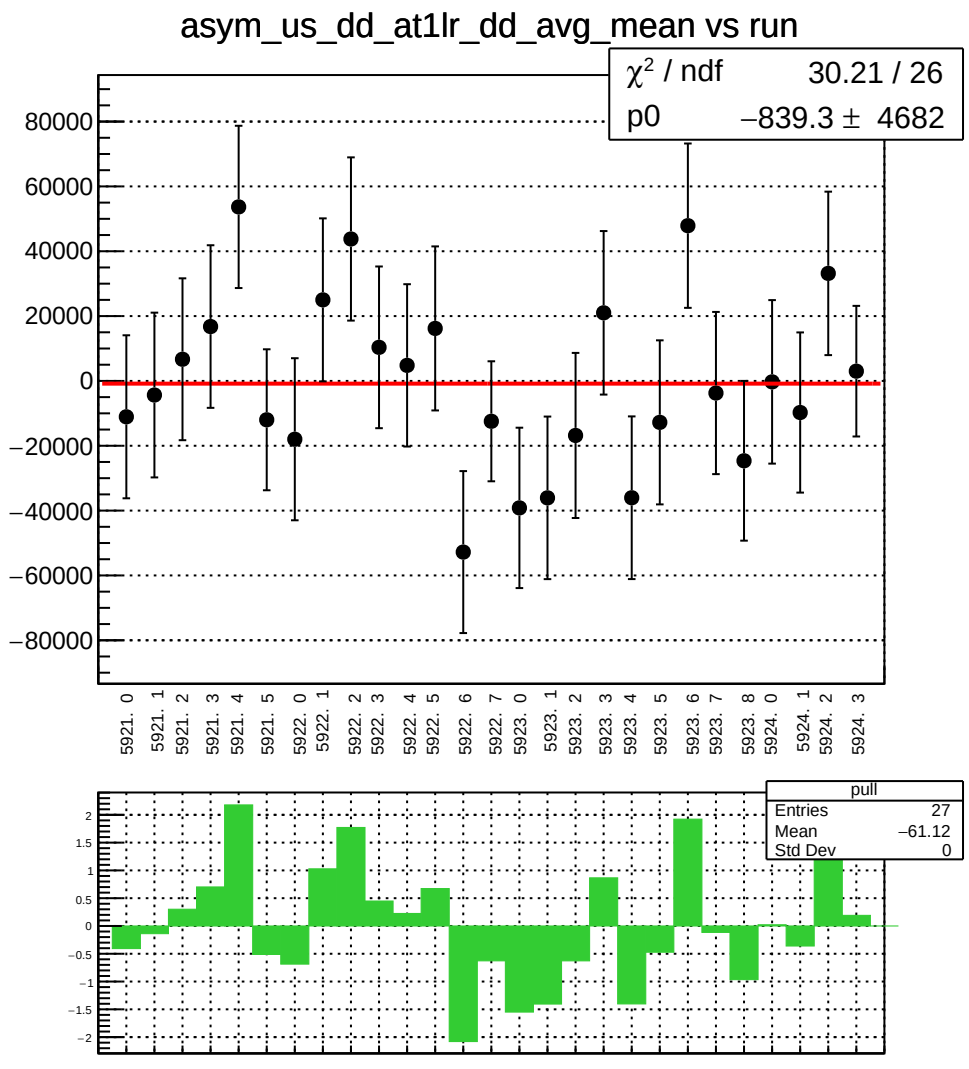

eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 30.1 / 26
p0 −923.5 ± 4681
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −63.65
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

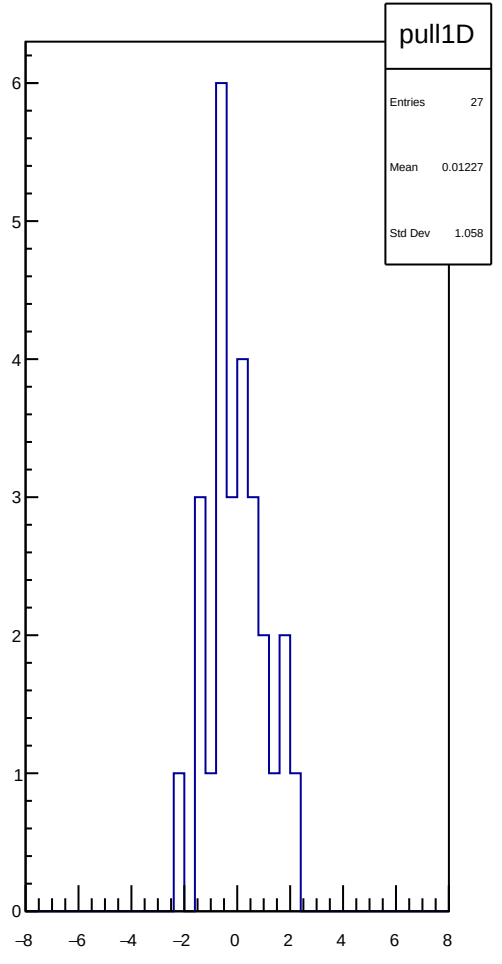

pull1D
Entries 27
Mean 0.01166
Std Dev 1.056
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

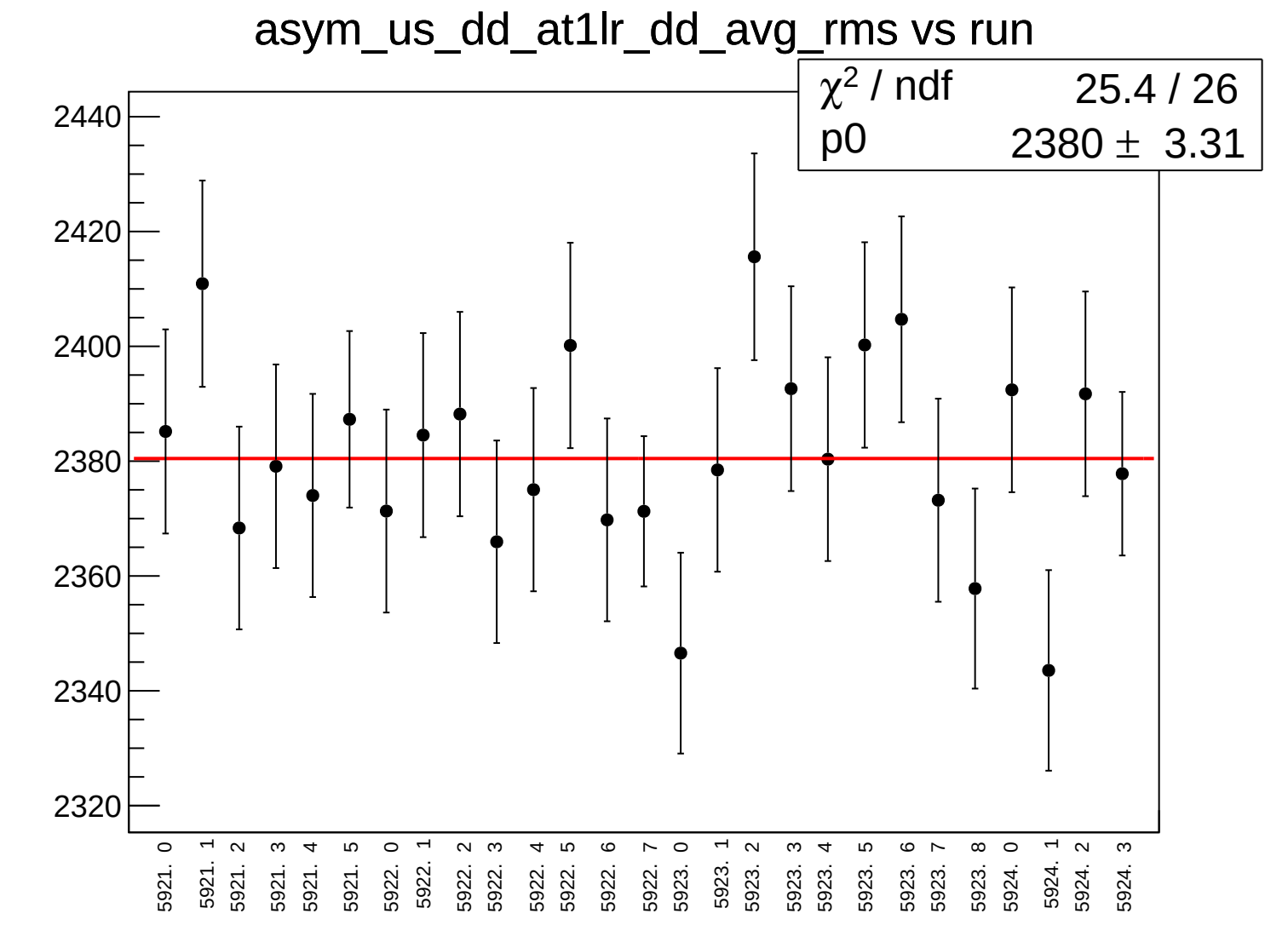

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 25.13 / 26
p0 2380 ± 3.31
2440
2420
2400
2380
2360
2340
2320
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

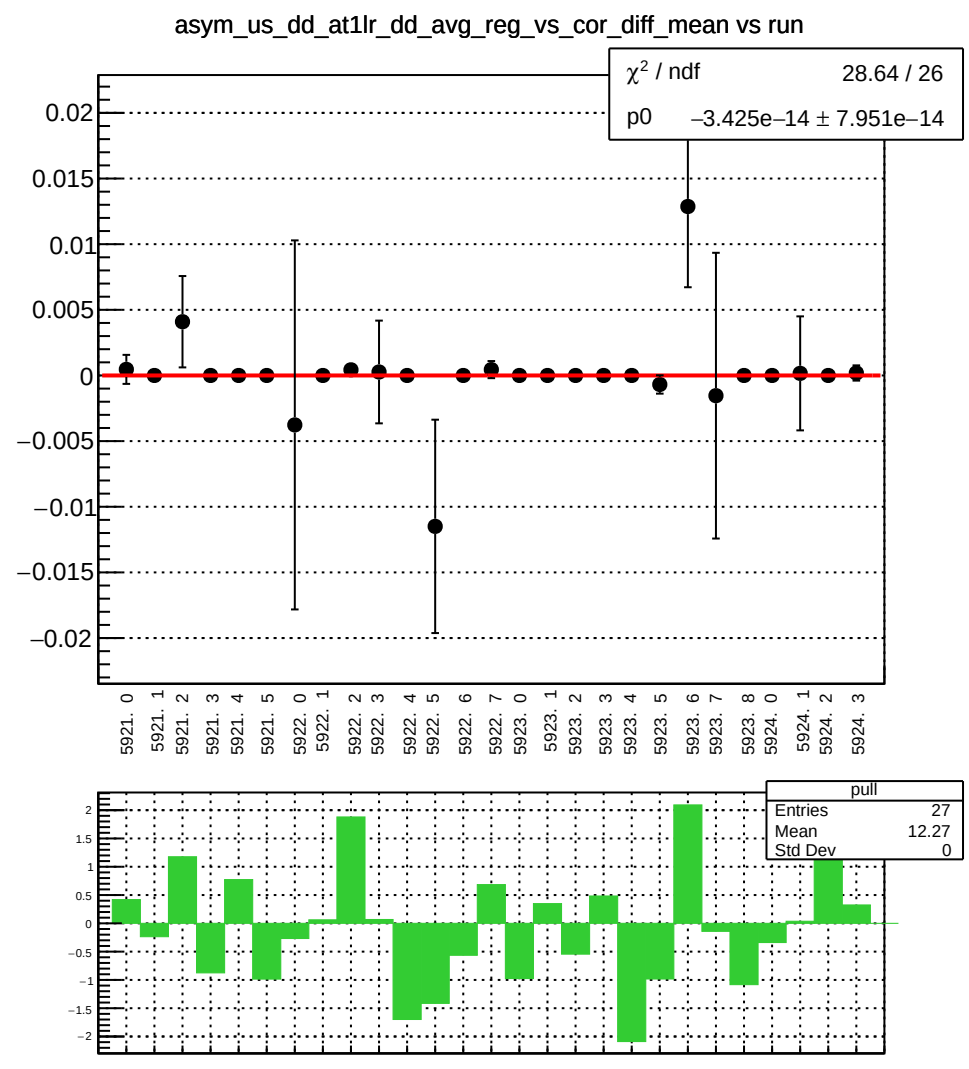

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 22.66 / 26
p0 −124.2 ± 131.1
1500
1000
500
0
−500
−1000
−1500
−2000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 105.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.00579
Std Dev 0.9161
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

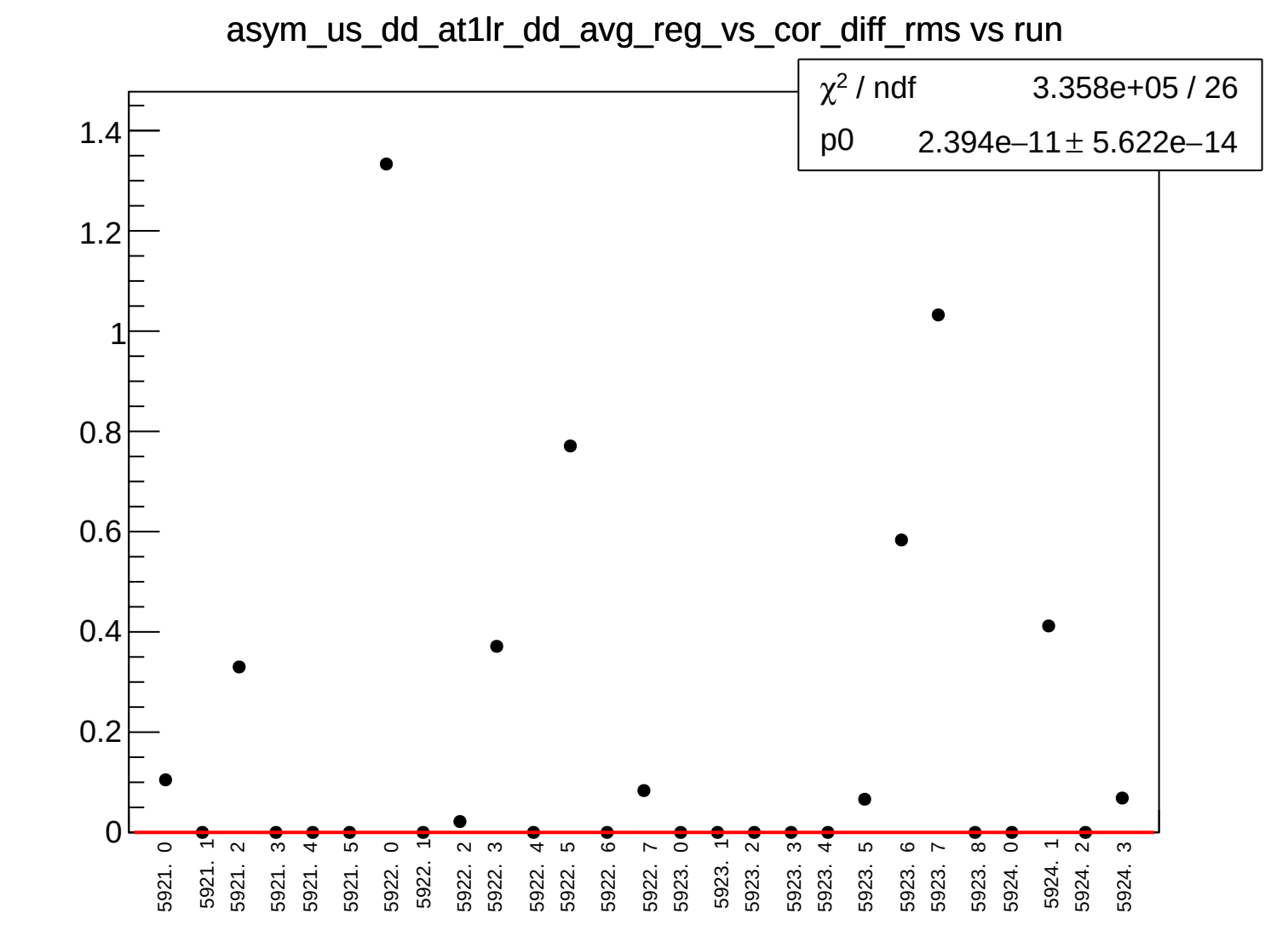

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 3561 / 26
p0 66.41 ± 0.09267
78
76
74
72
70
68
66
64
62
60
58
56
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

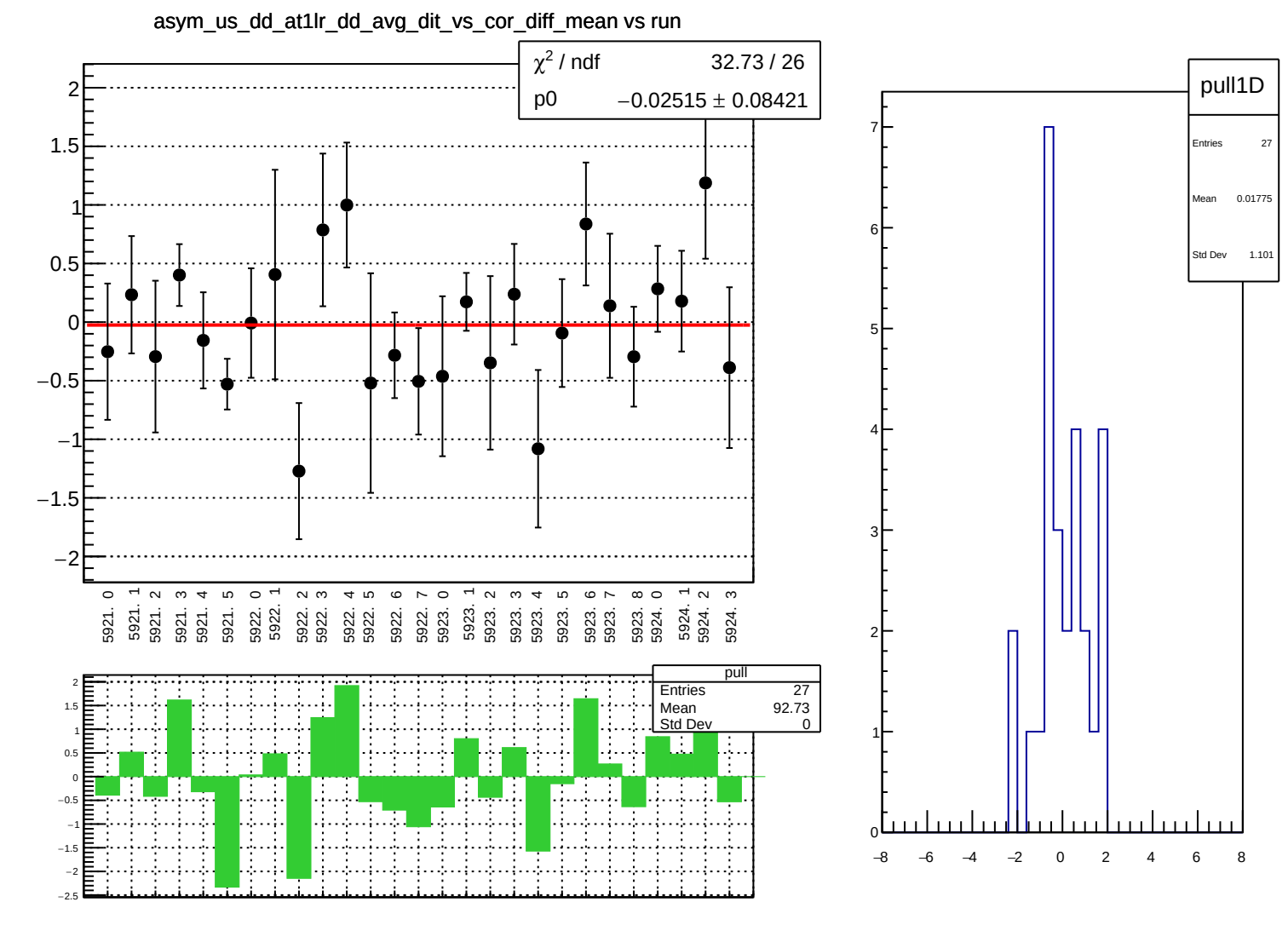

asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 30.21 / 26
p0 −839.3 ± 4682
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −61.12
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

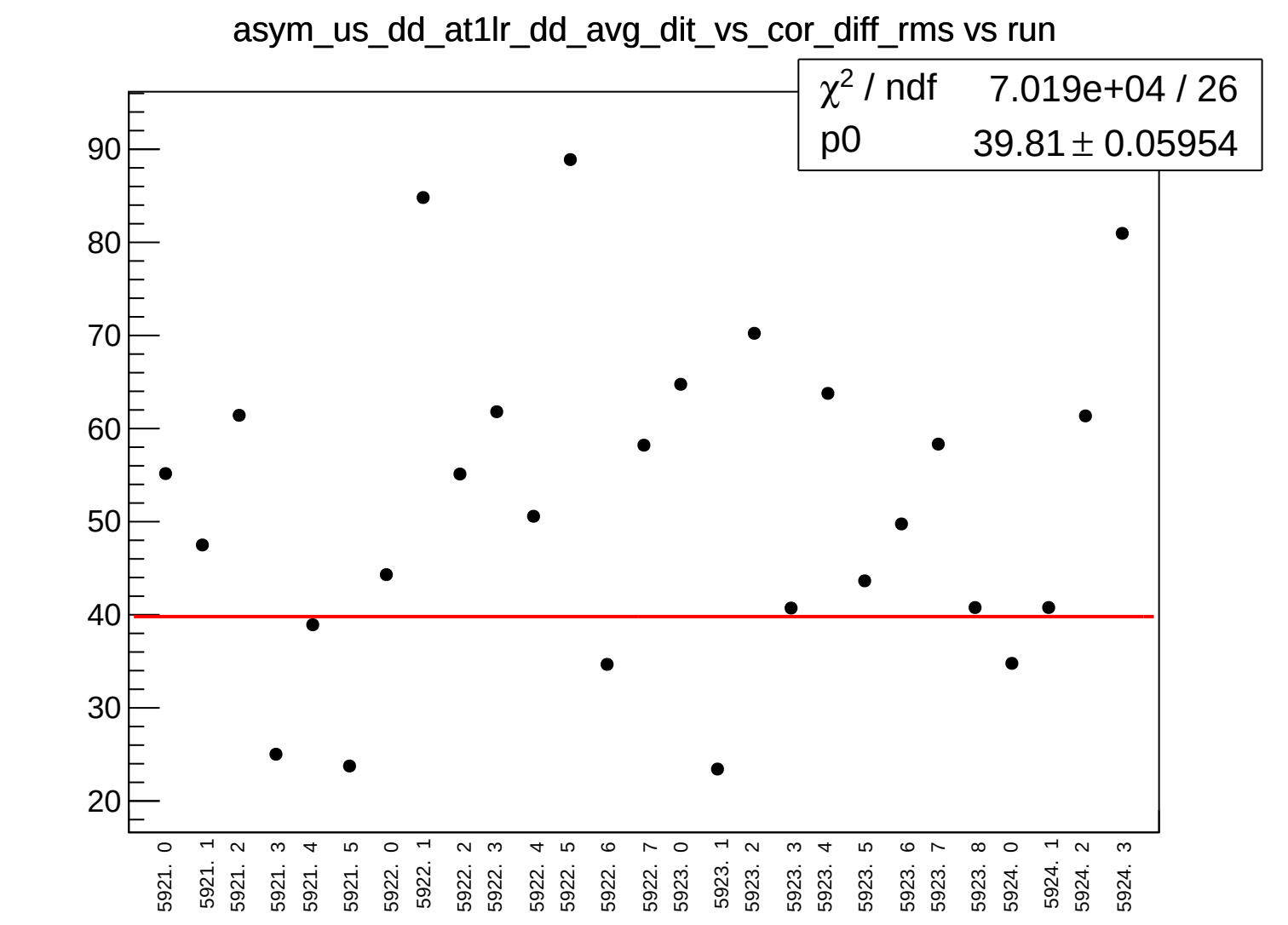

pull1D
Entries 27
Mean 0.01227
Std Dev 1.058
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

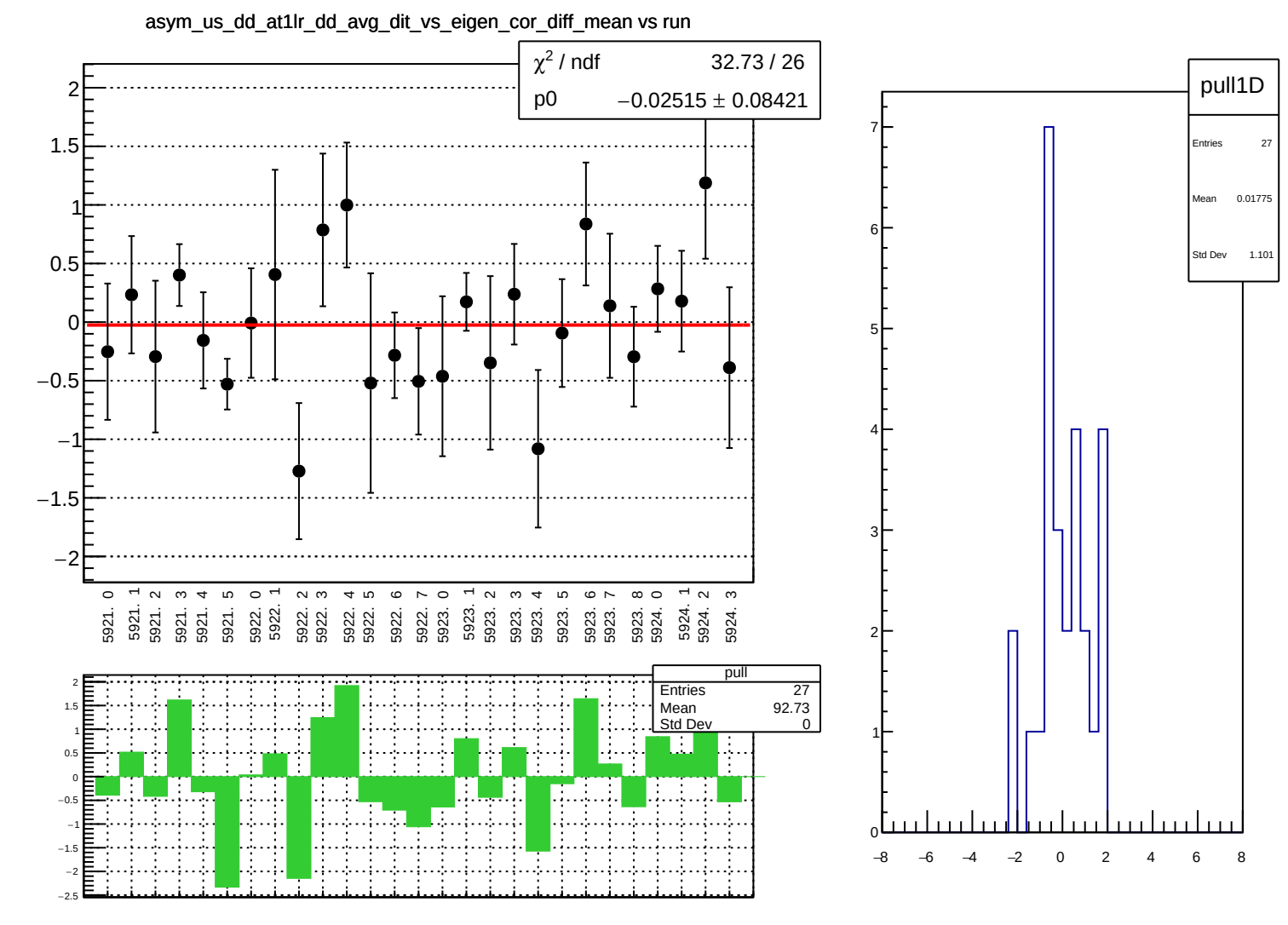

asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 25.4 / 26
p0 2380 ± 3.31
2440
2420
2400
2380
2360
2340
2320
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

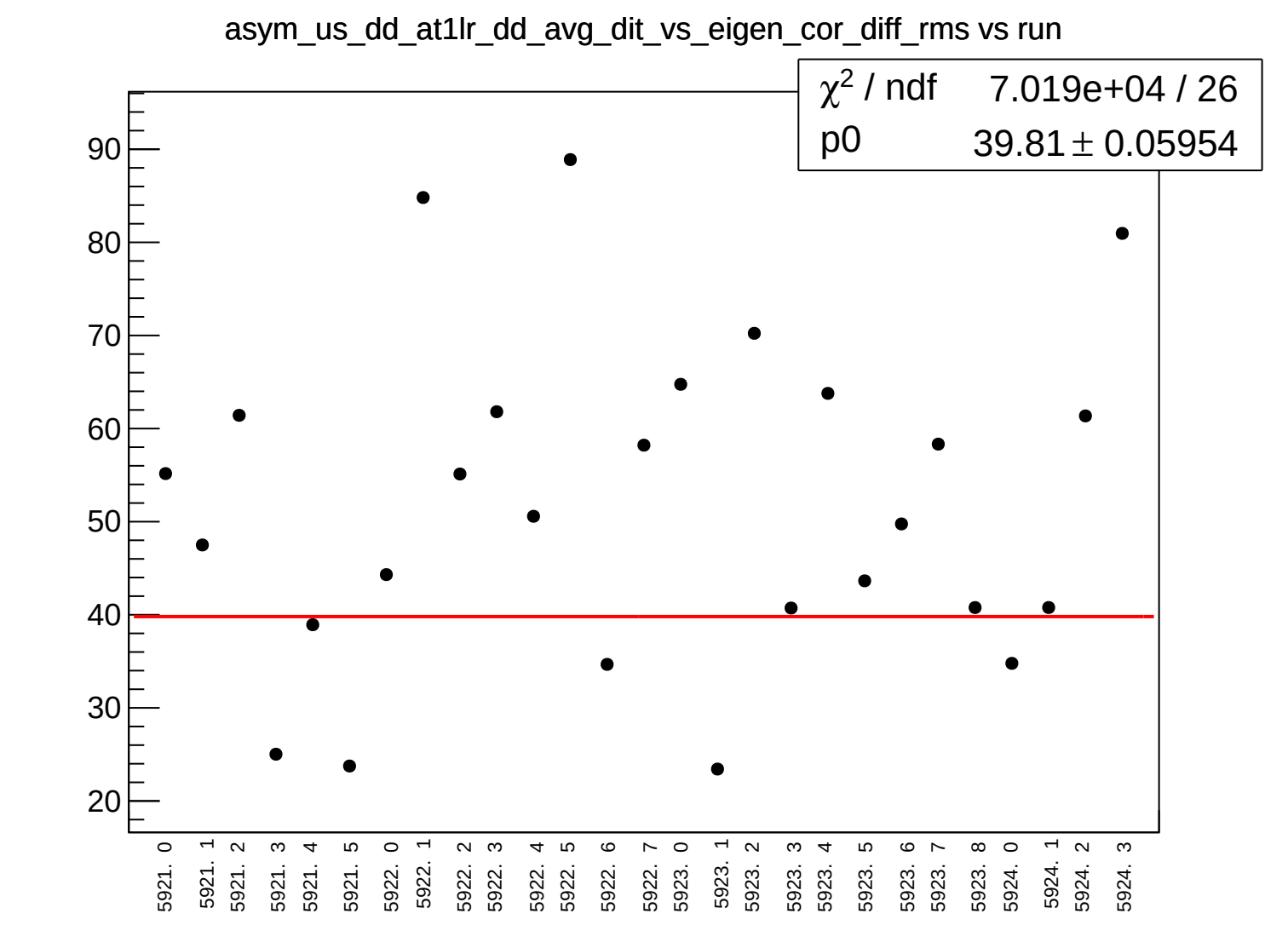

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 28.64 / 26
p0 −3.425e−14 ± 7.951e−14
0.02
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 12.27
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.08205
Std Dev 1.027
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

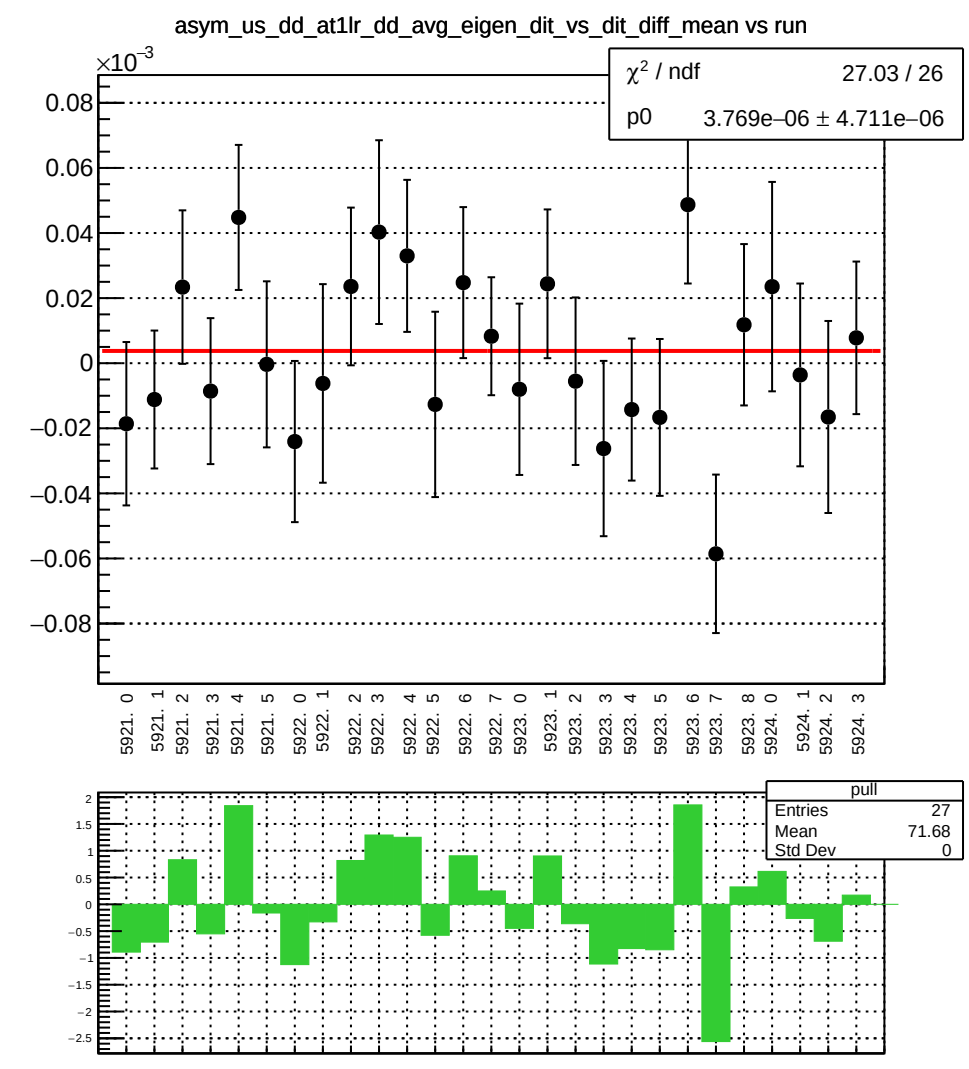

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.358e+05 / 26
p0 2.394e−11 ± 5.622e−14
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

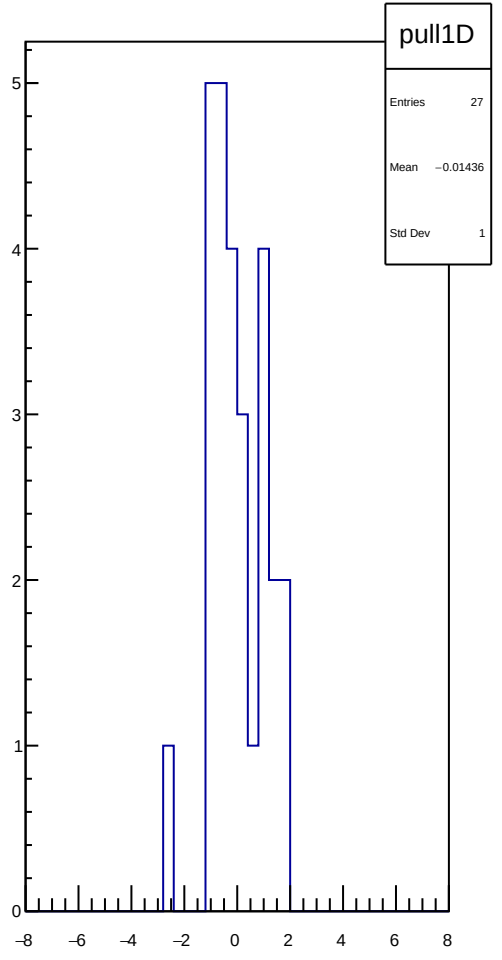

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 32.73 / 26
p0 −0.02515 ± 0.08421
pull
Entries 27
Mean 92.73
Std Dev 0
pull1D
Entries 27
Mean 0.01775
Std Dev 1.101

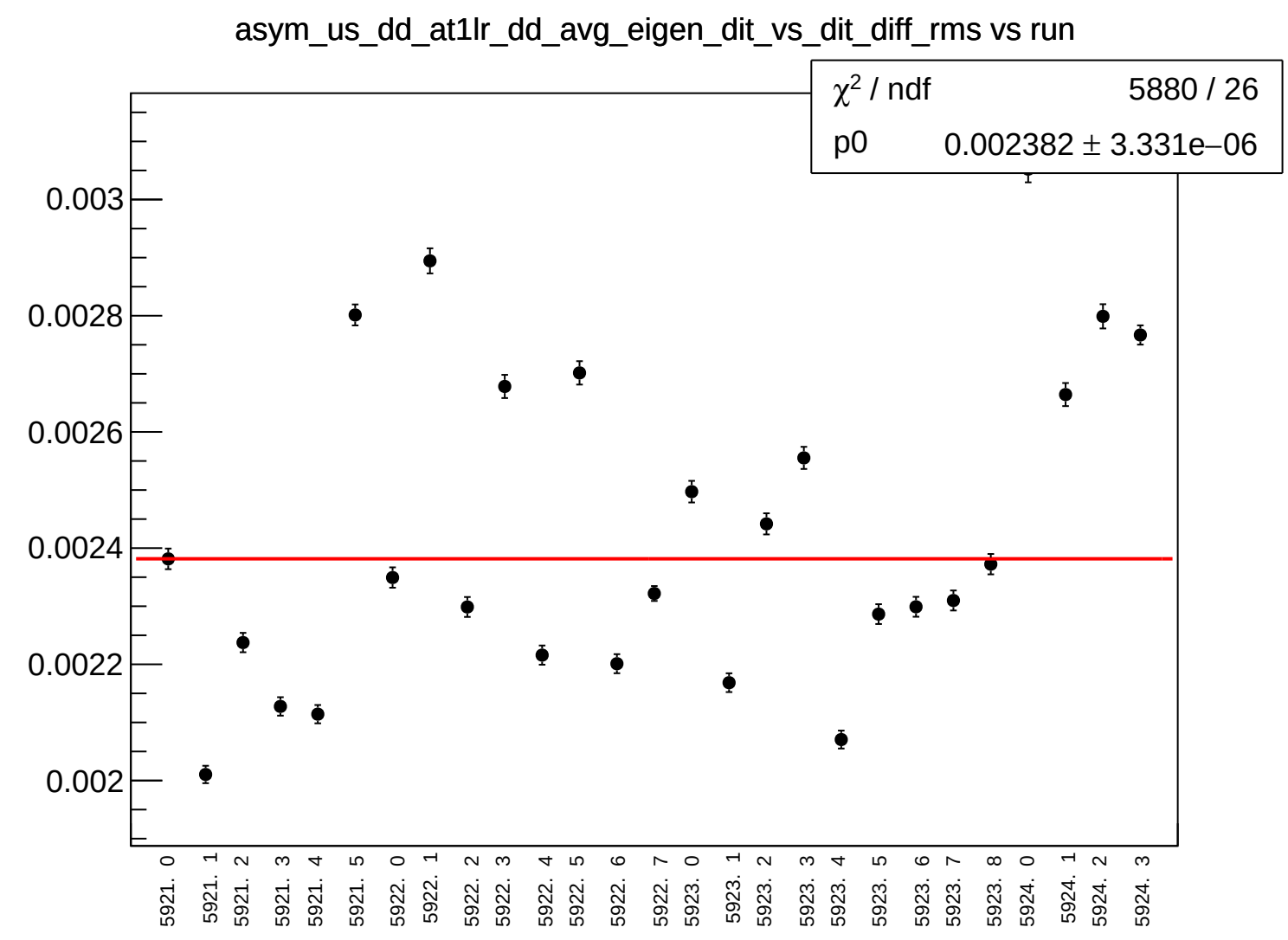

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 7.019e+04 / 26
p0 39.81 ± 0.05954
90
80
70
60
50
40
30
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

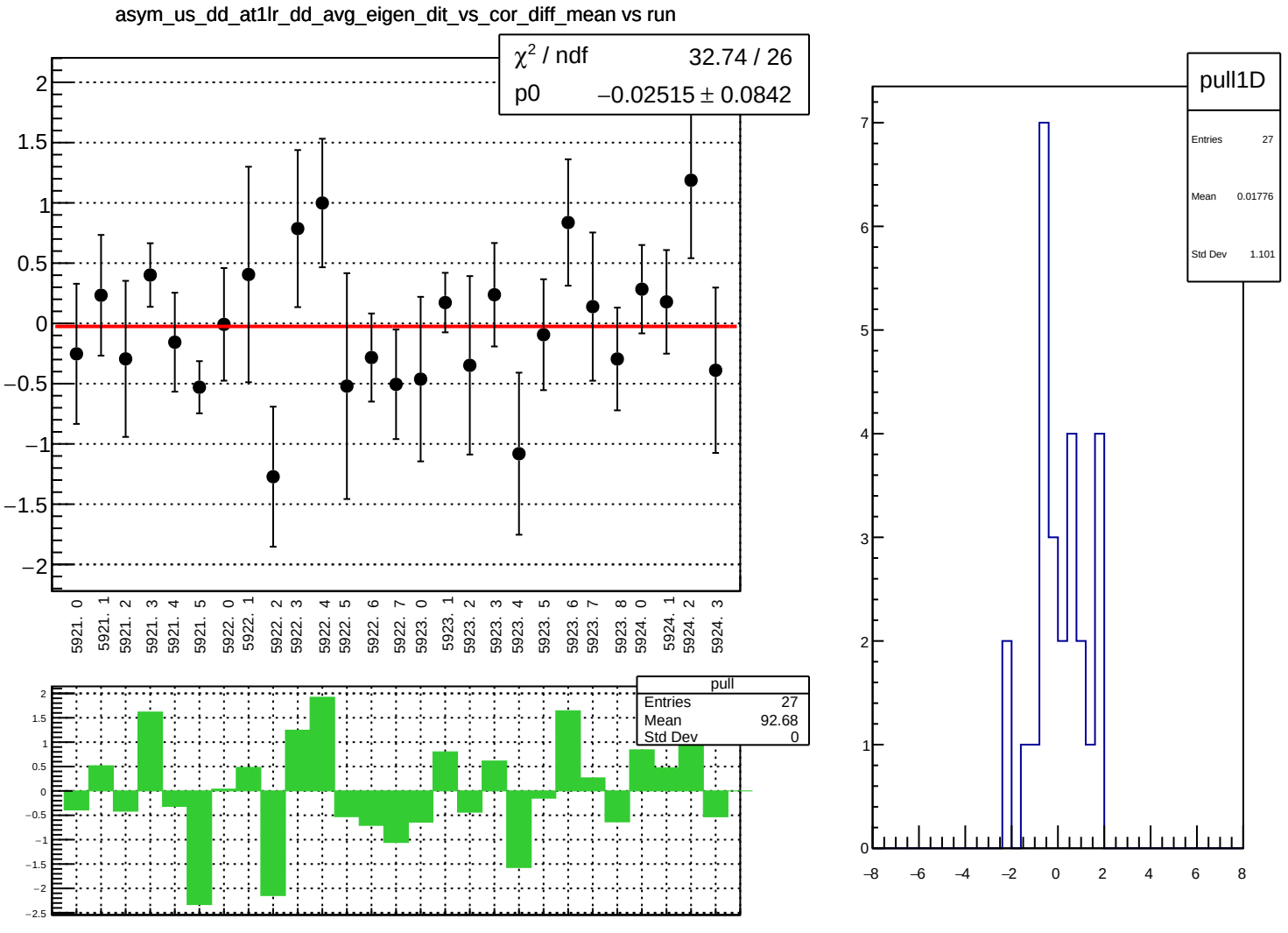

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 32.73 / 26
p0 −0.02515 ± 0.08421
pull
Entries 27
Mean 92.73
Std Dev 0
pull1D
Entries 27
Mean 0.01775
Std Dev 1.101

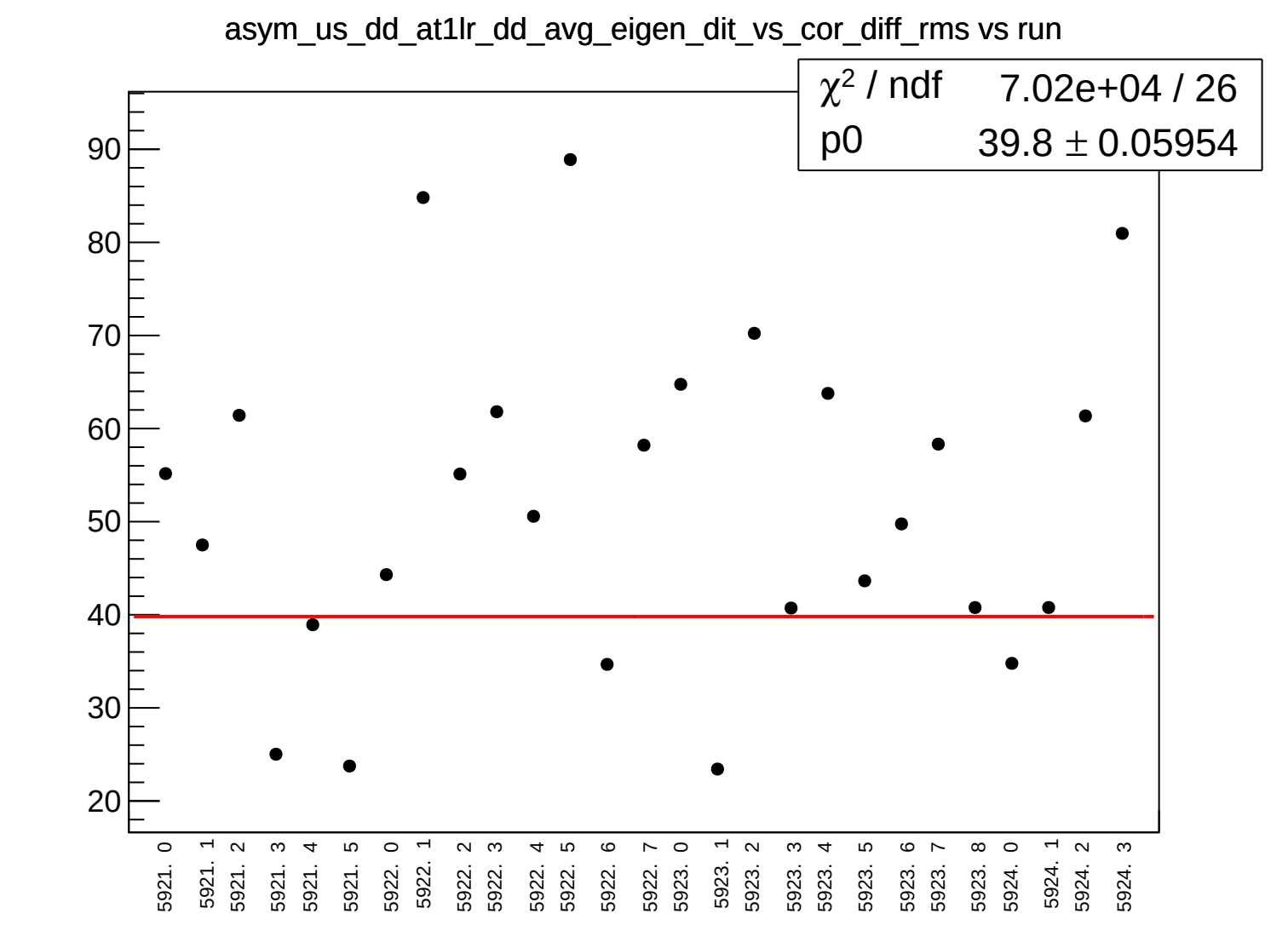

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.019e+04 / 26
p0 39.81 ± 0.05954
90
80
70
60
50
40
30
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

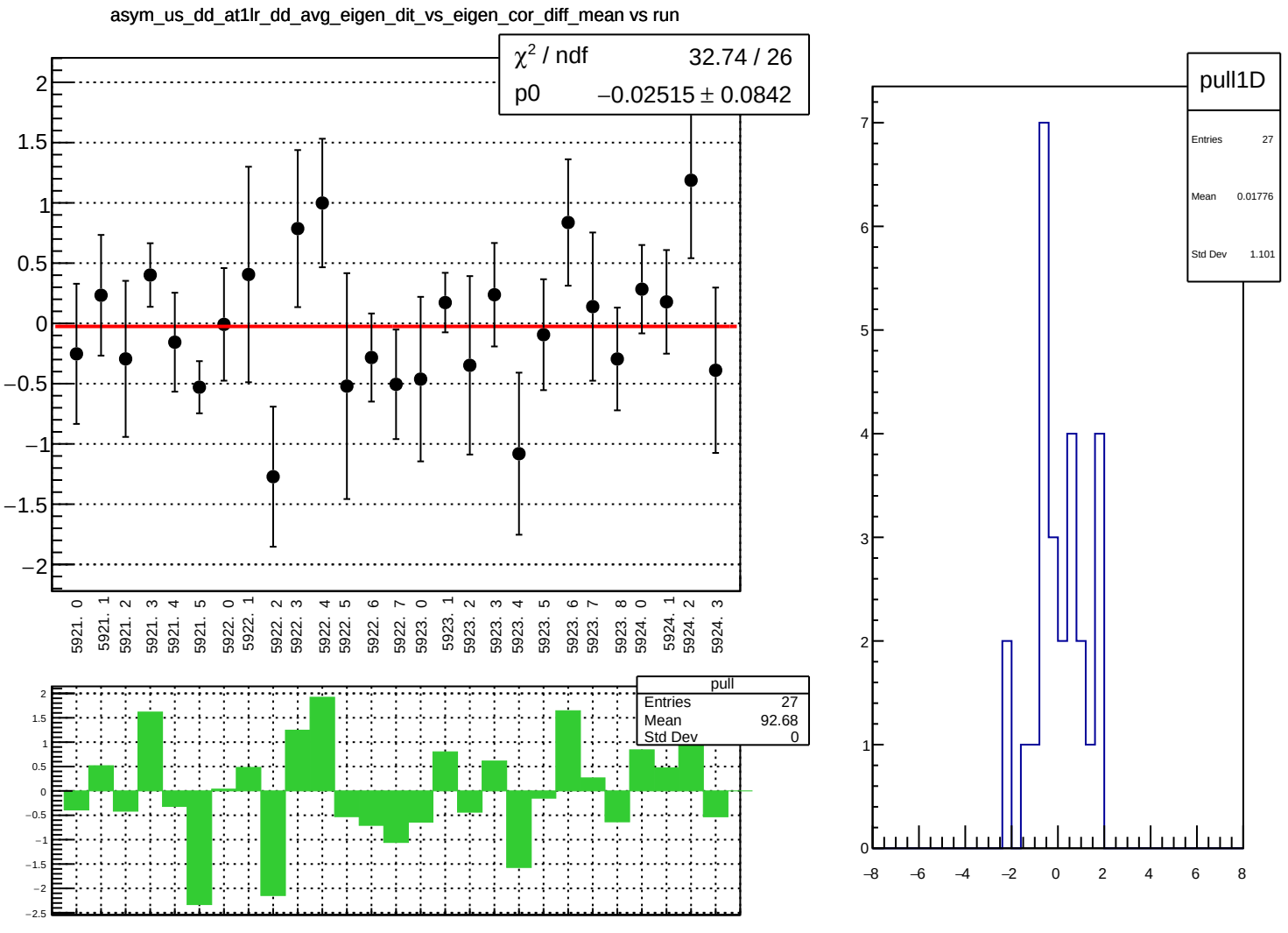

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 27.03 / 26
p0 3.769e−06 ± 4.711e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 71.68
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

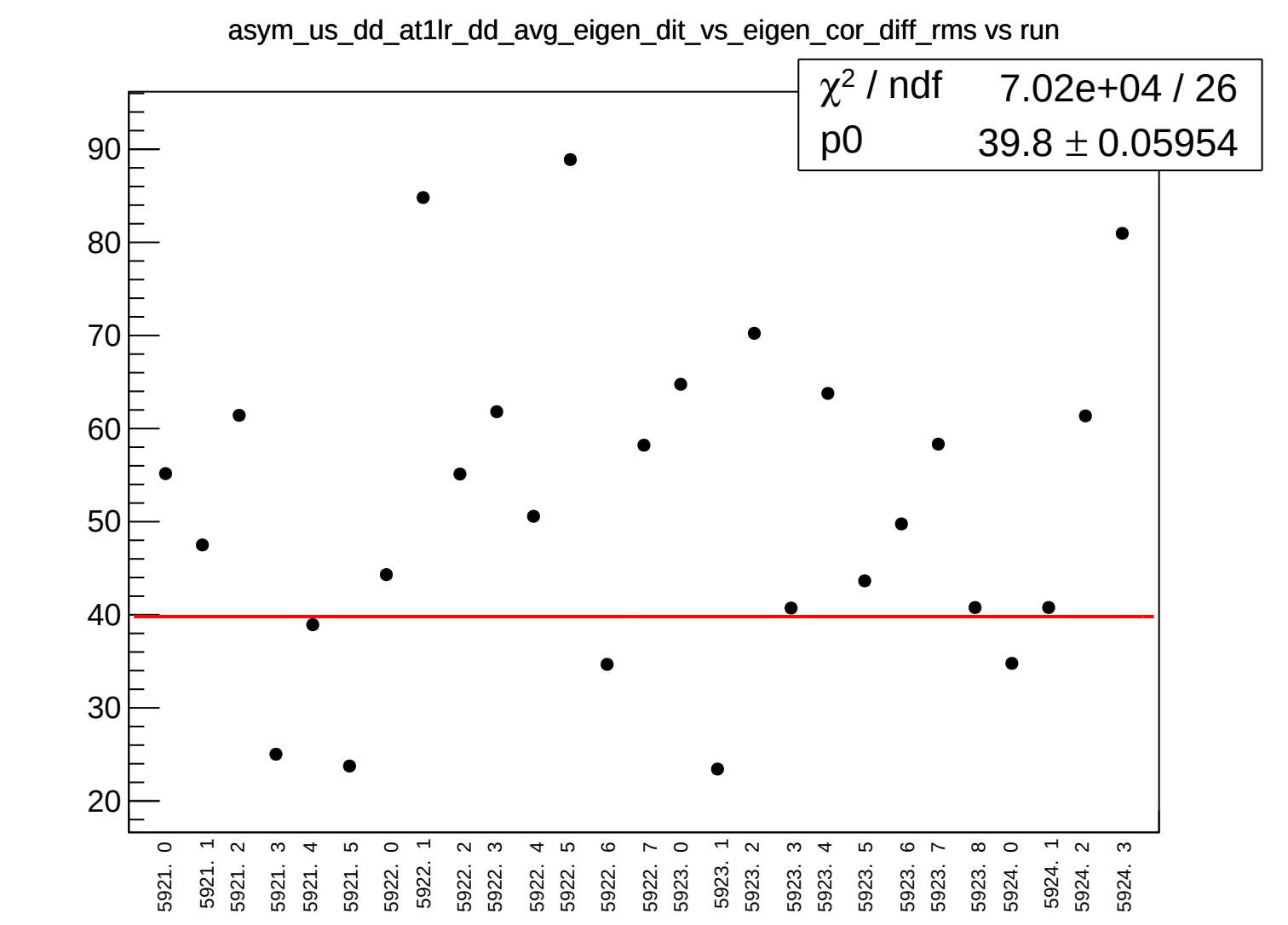

pull1D
Entries 27
Mean −0.01436
Std Dev 1
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

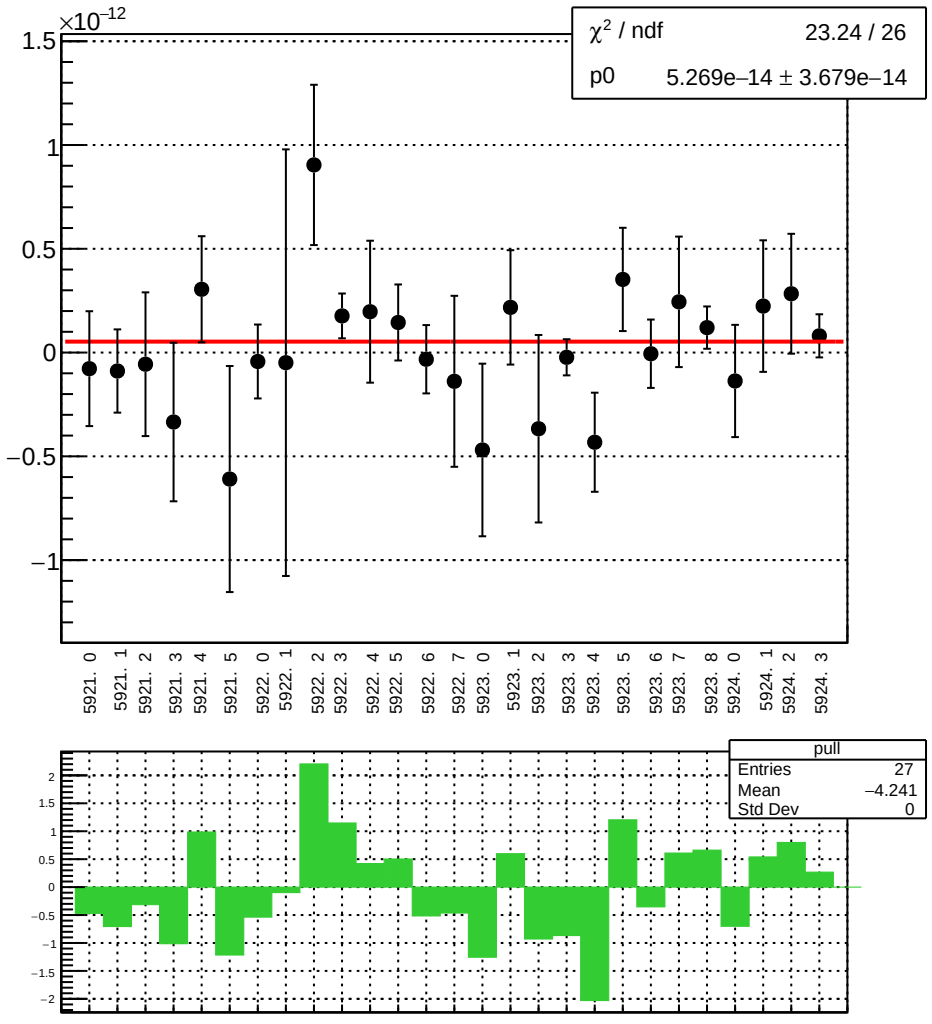

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5880 / 26
p0 0.002382 ± 3.331e−06
0.003
0.0028
0.0026
0.0024
0.0022
0.002
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

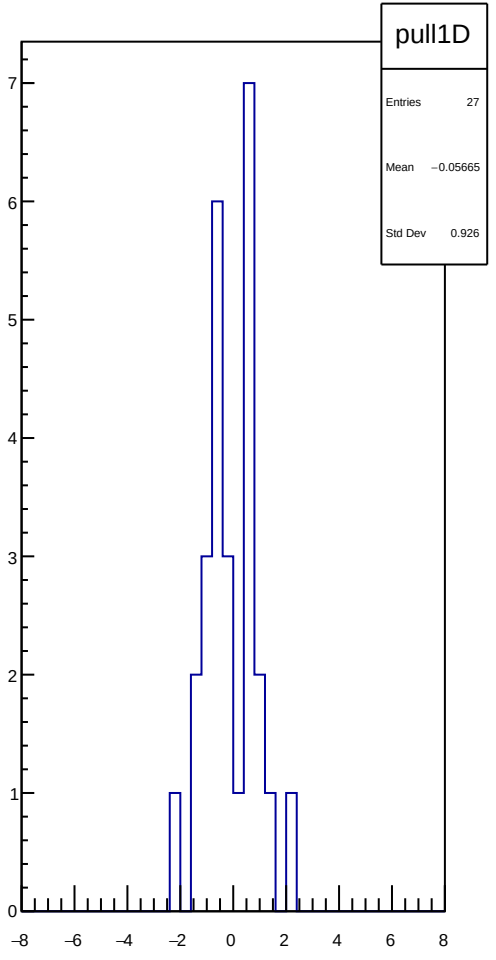

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 32.74 / 26
p0 −0.02515 ± 0.0842
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 92.68
Std Dev 0
pull1D
Entries 27
Mean 0.01776
Std Dev 1.101

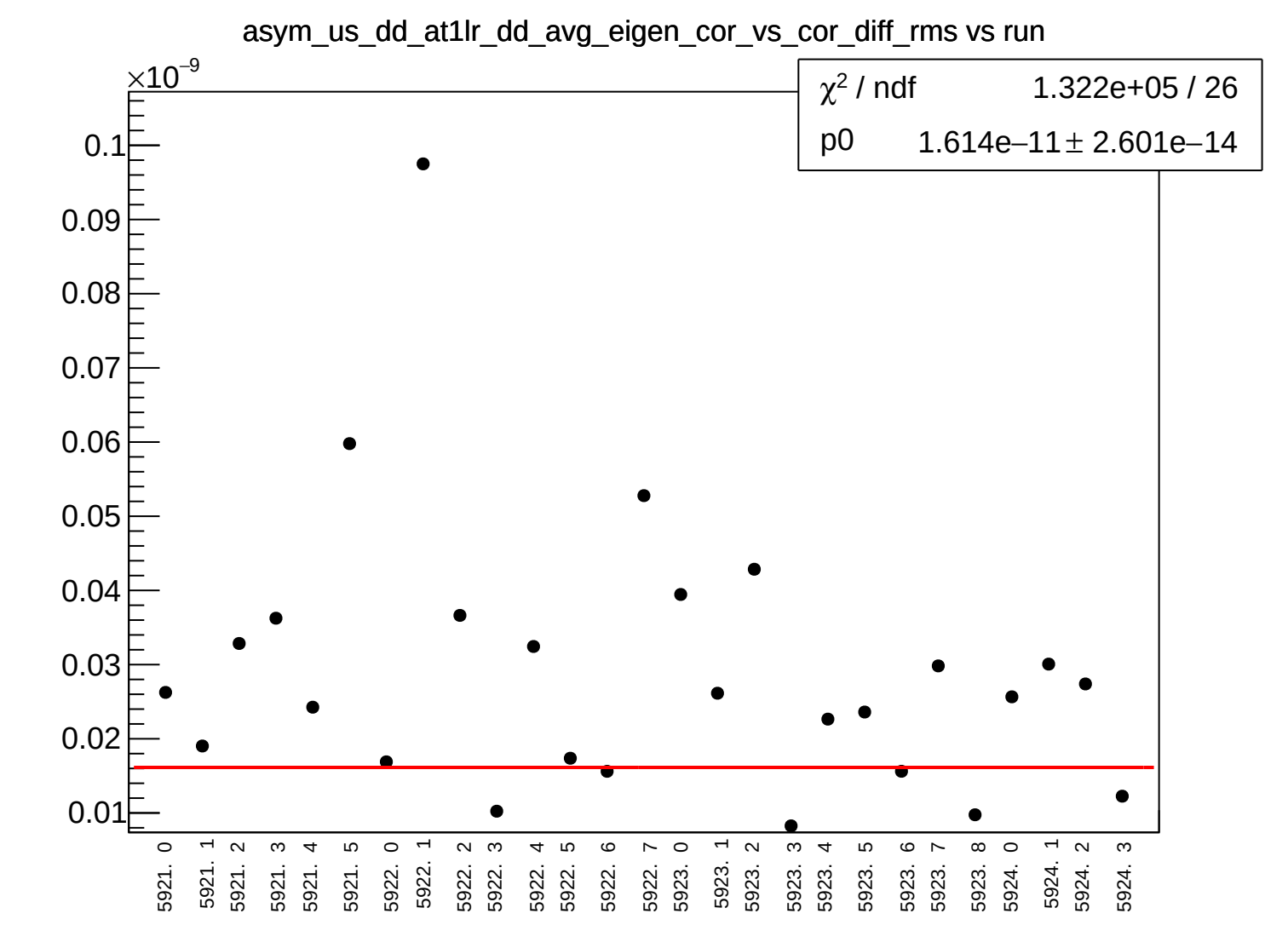

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.02e+04 / 26
p0 39.8 ± 0.05954
90
80
70
60
50
40
30
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

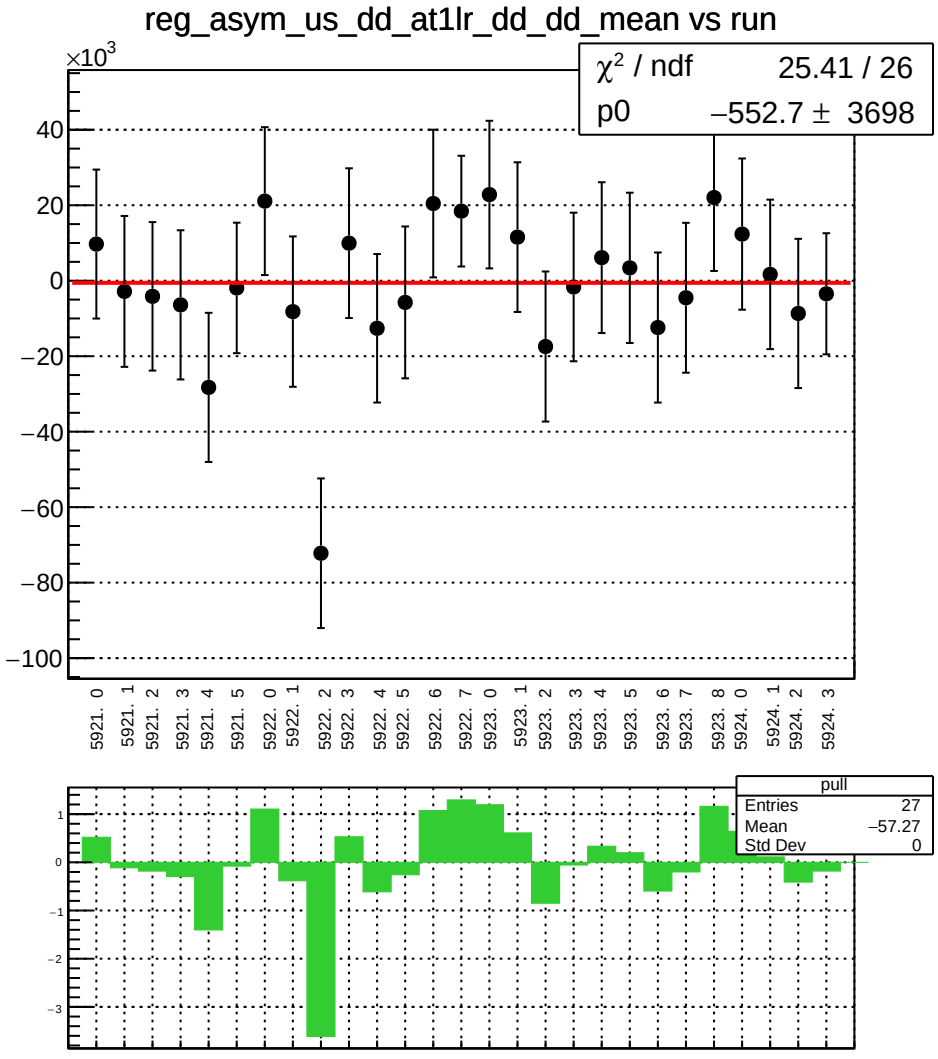

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 32.74 / 26
p0 −0.02515 ± 0.0842
pull
Entries 27
Mean 92.68
Std Dev 0
pull1D
Entries 27
Mean 0.01776
Std Dev 1.101

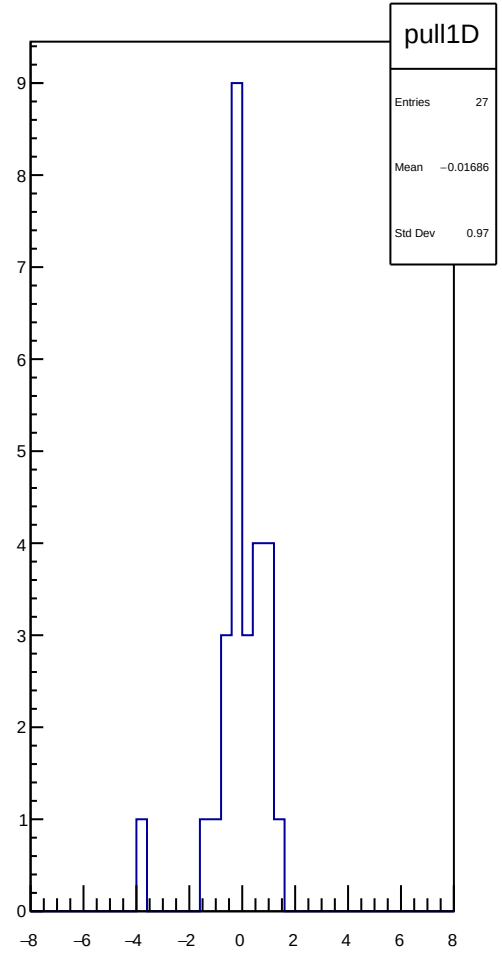

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.02e+04 / 26
p0 39.8 ± 0.05954
90
80
70
60
50
40
30
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

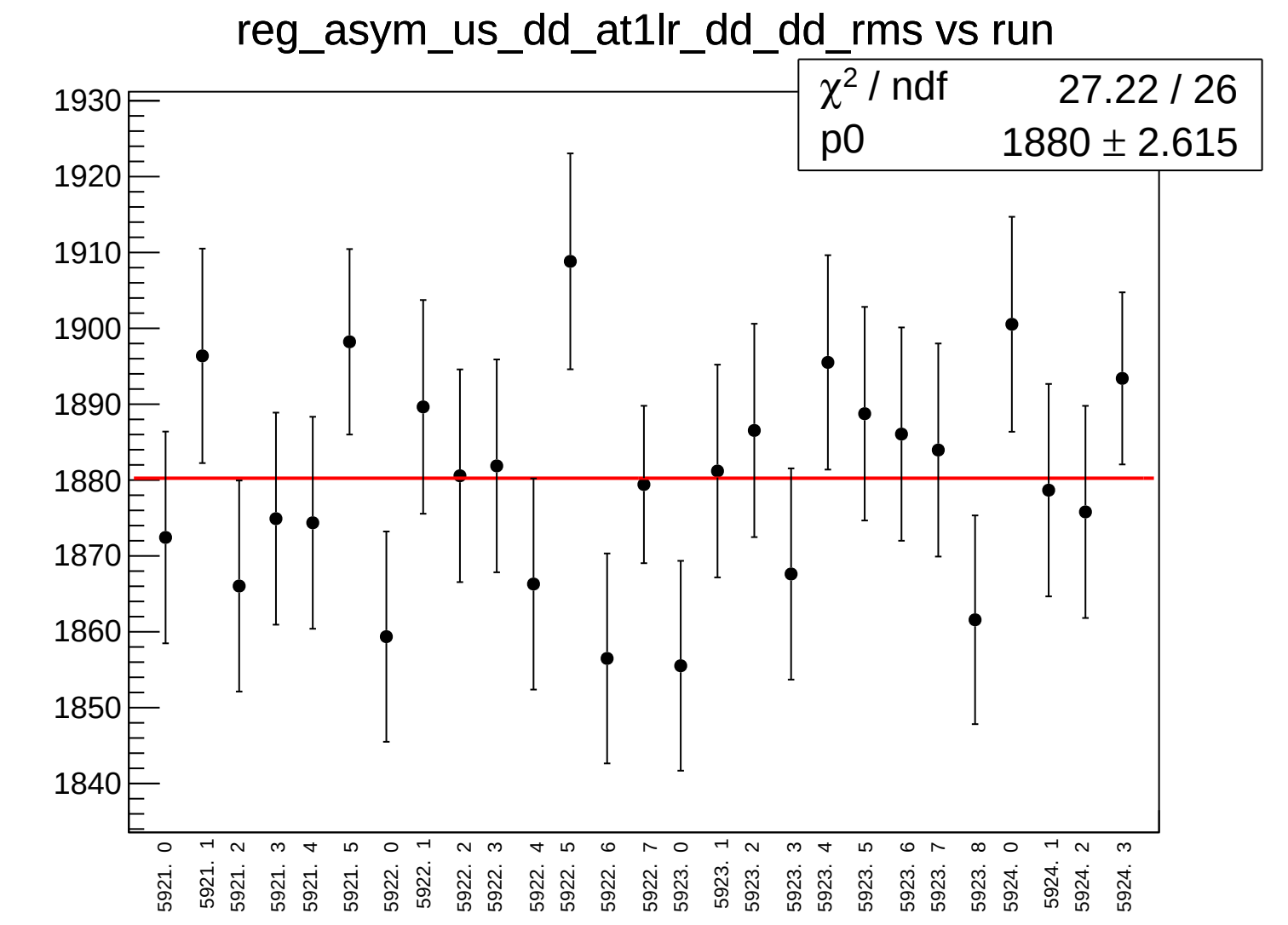

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 23.24 / 26
p0 5.269e−14 ± 3.679e−14
1.5
1
0.5
0
−0.5
−1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −4.241
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

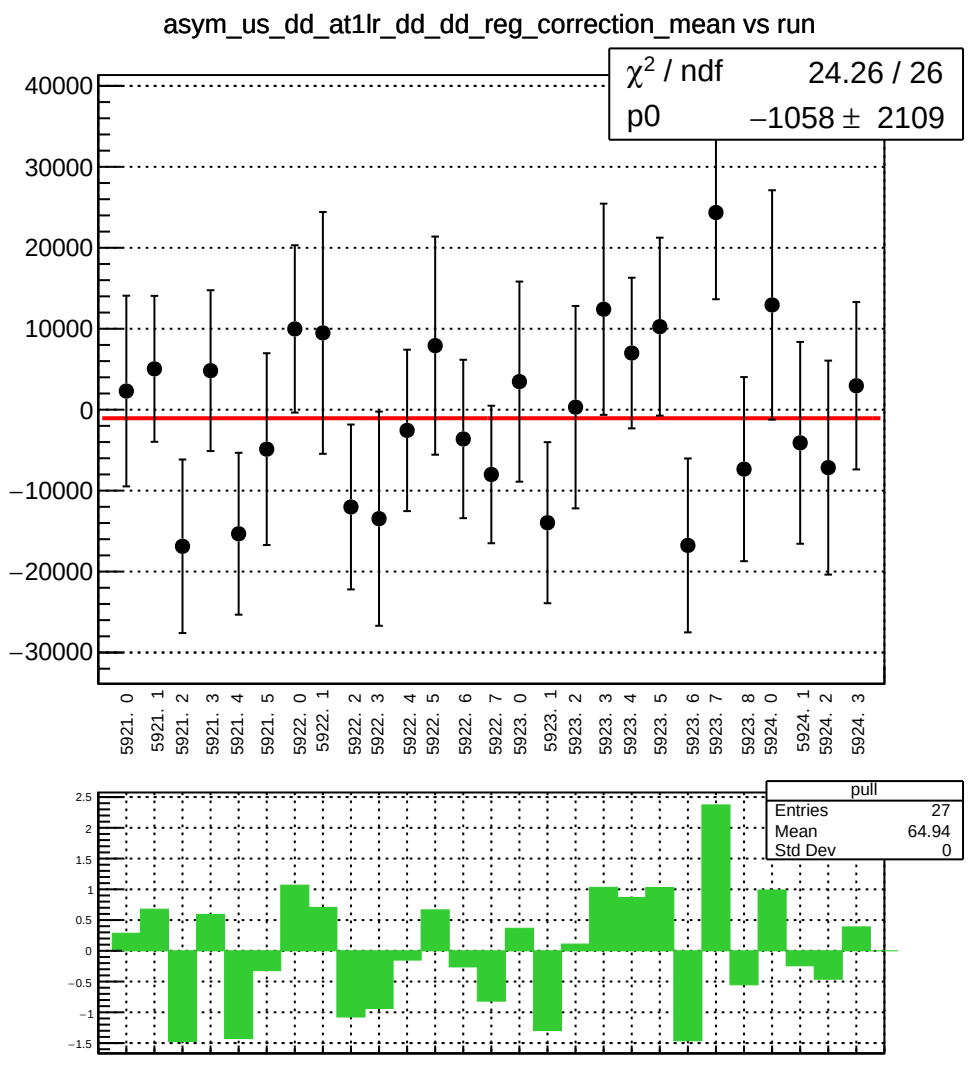

pull1D
Entries 27
Mean −0.05665
Std Dev 0.926
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

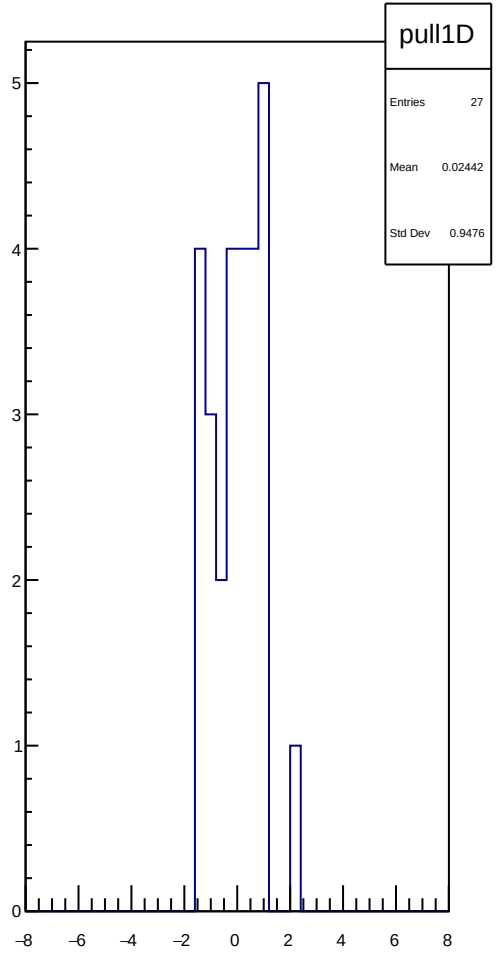

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.322e+05 / 26
p0 1.614e−11 ± 2.601e−14
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

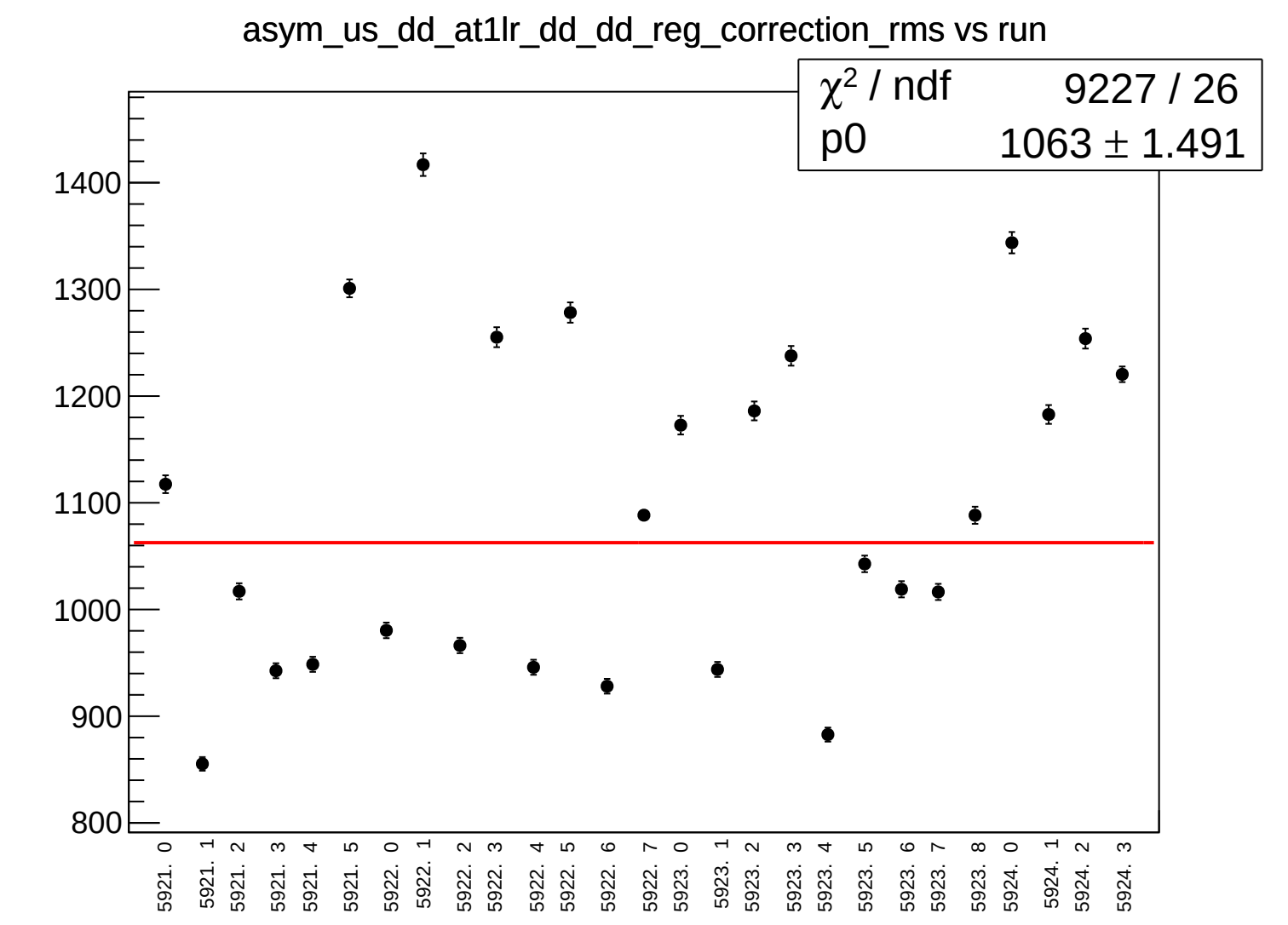

reg_asym_us_dd_at1lr_dd_dd_mean vs run
×10^3
χ² / ndf 25.41 / 26
p0 −552.7 ± 3698
40
20
0
−20
−40
−60
−80
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −57.27
Std Dev 0
1
0
−1
−2
−3

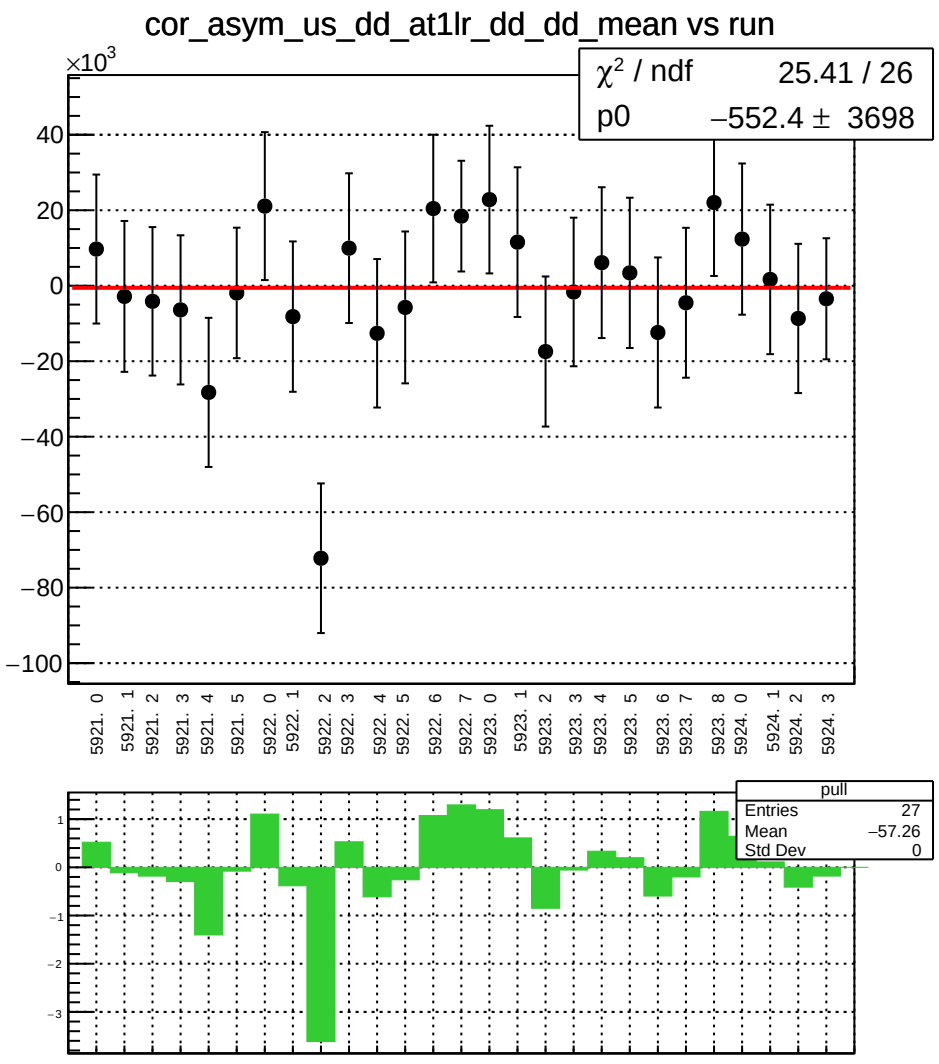

pull1D
Entries 27
Mean −0.01686
Std Dev 0.97
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

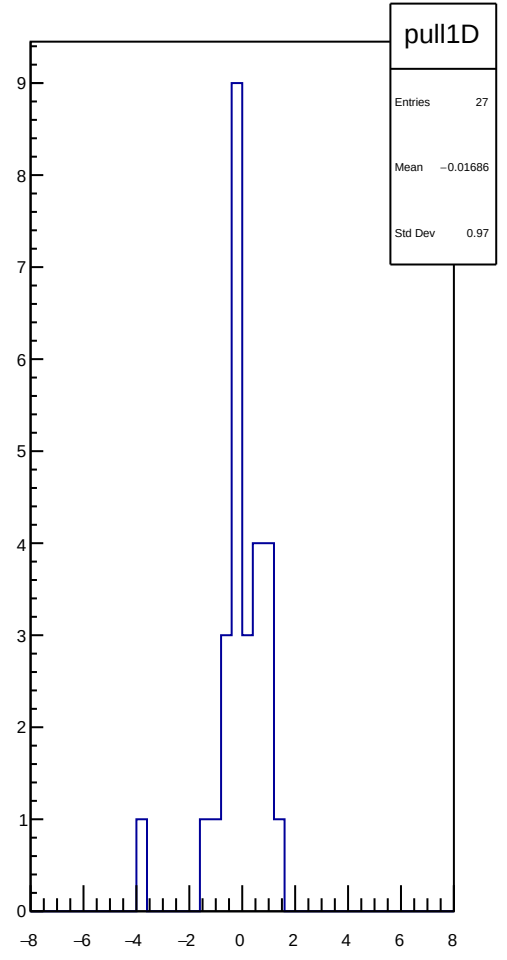

reg_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 27.22 / 26
p0 1880 ± 2.615
1930
1920
1910
1900
1890
1880
1870
1860
1850
1840
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

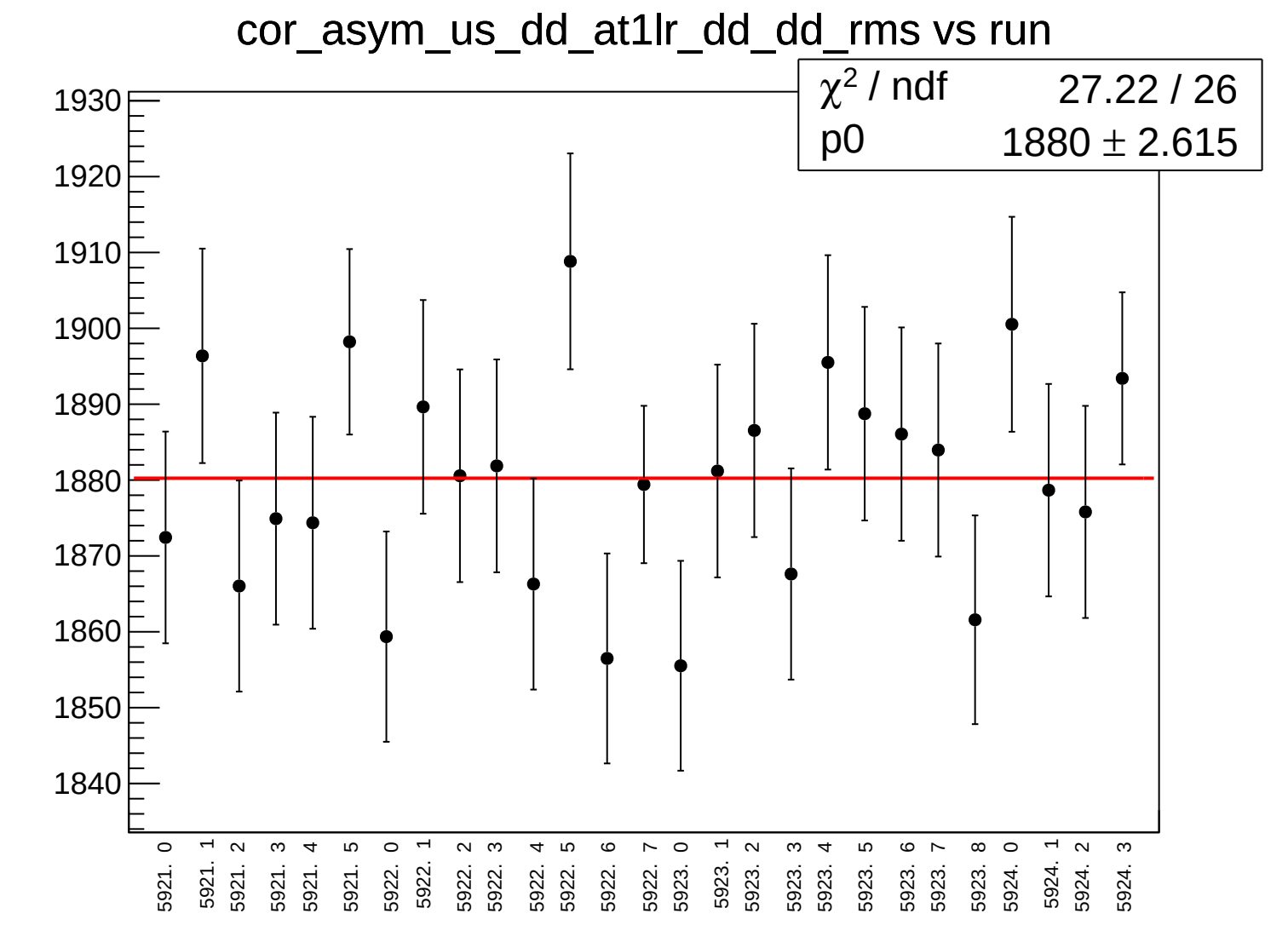

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs run
χ² / ndf 24.26 / 26
p0 −1058 ± 2109
40000
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 64.94
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

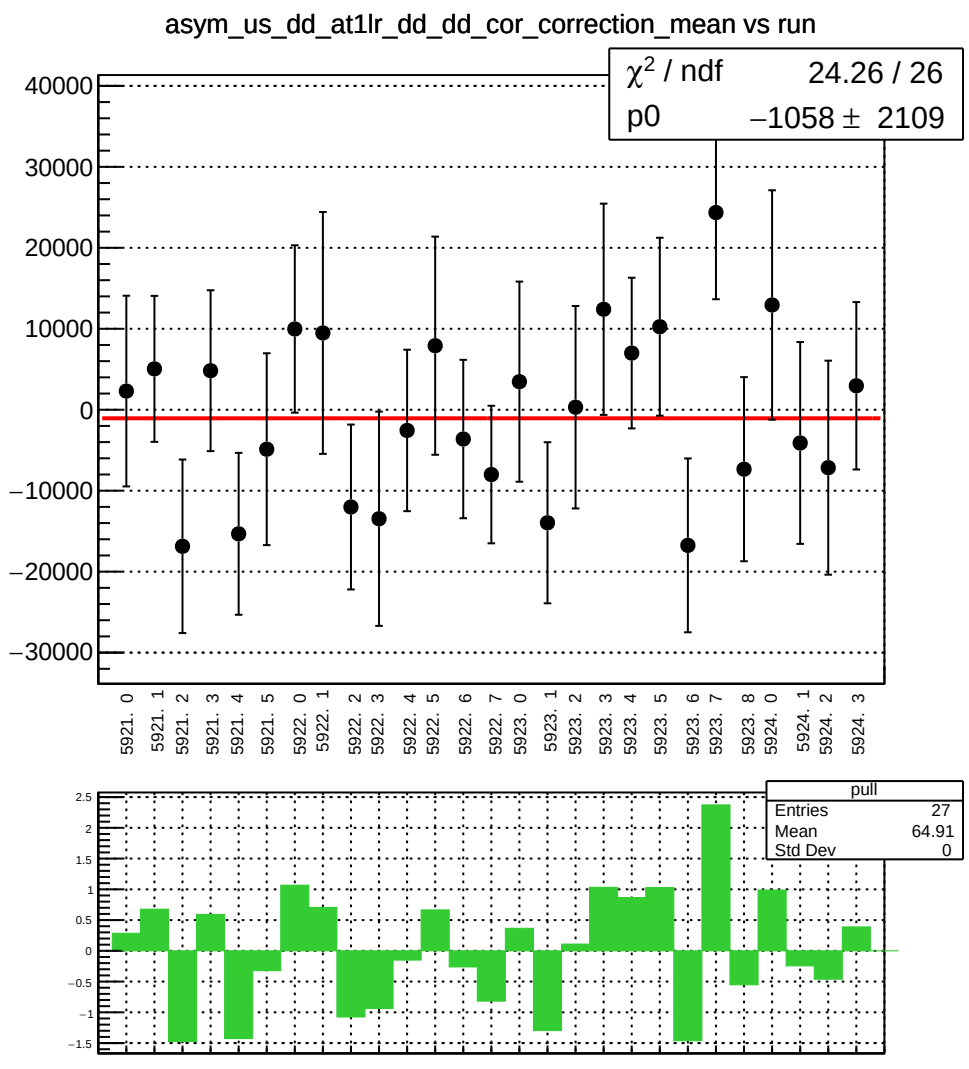

pull1D
Entries 27
Mean 0.02442
Std Dev 0.9476
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

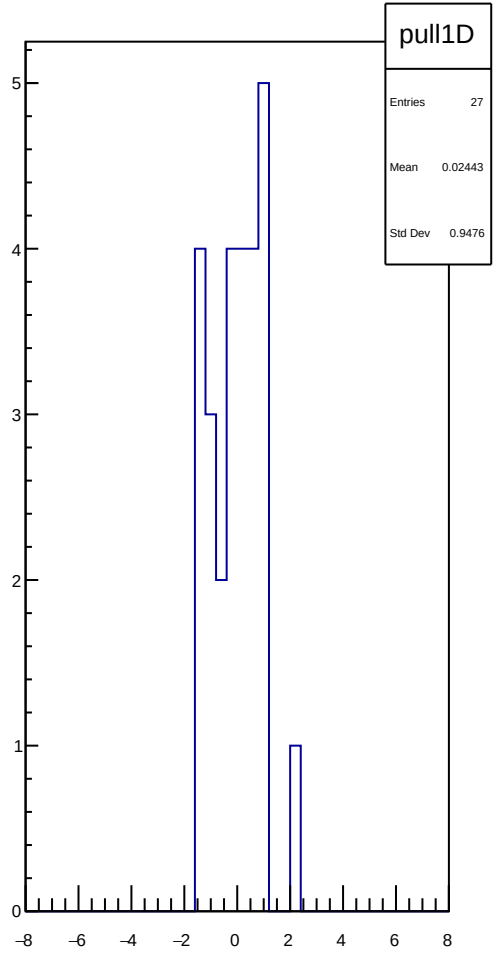

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs run
χ² / ndf 9227 / 26
p0 1063 ± 1.491
1400
1300
1200
1100
1000
900
800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

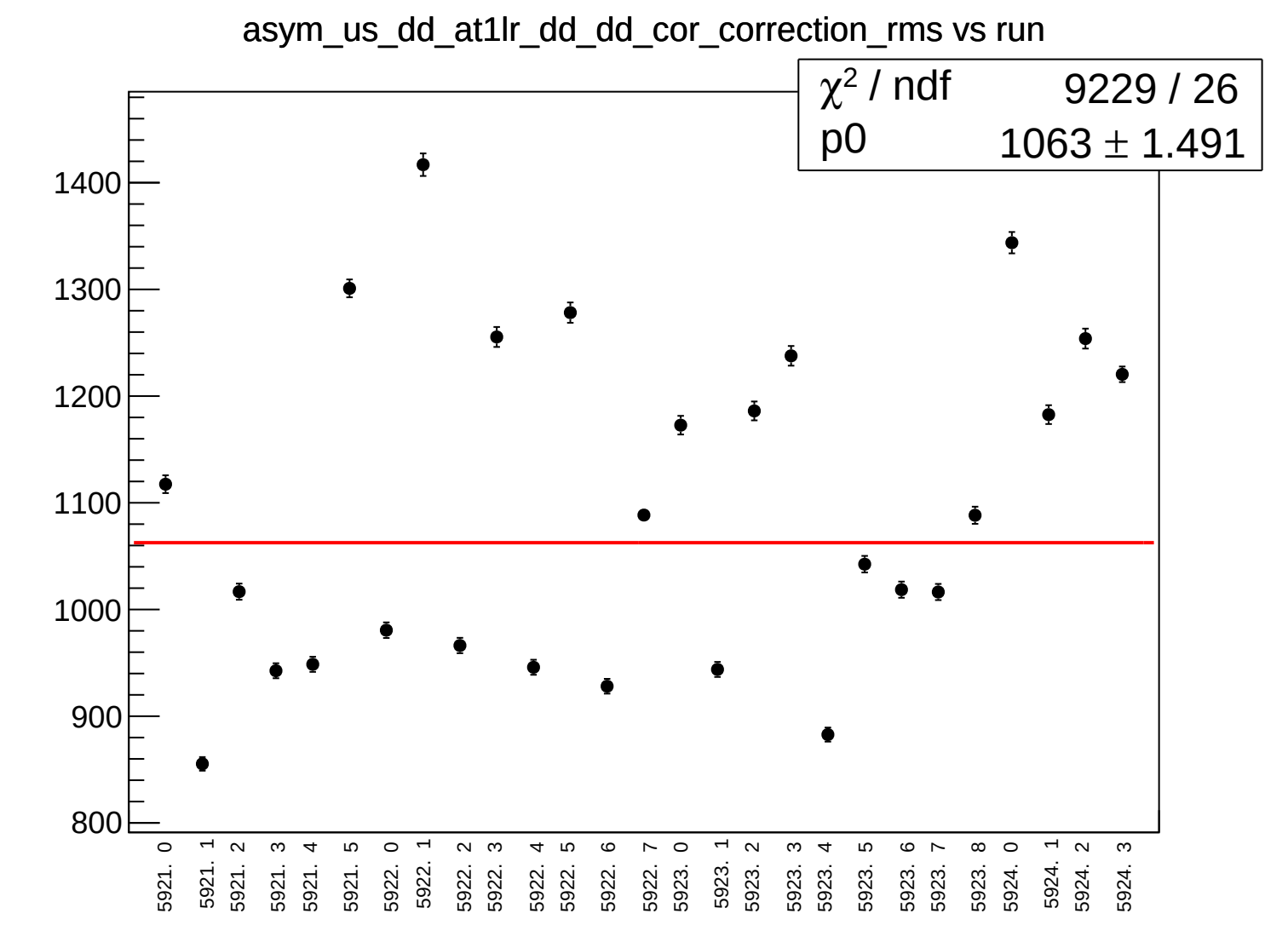

cor_asym_us_dd_at1lr_dd_dd_mean vs run
×10^3
χ² / ndf 25.41 / 26
p0 −552.4 ± 3698
40
20
0
−20
−40
−60
−80
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −57.26
Std Dev 0
1
0
−1
−2
−3

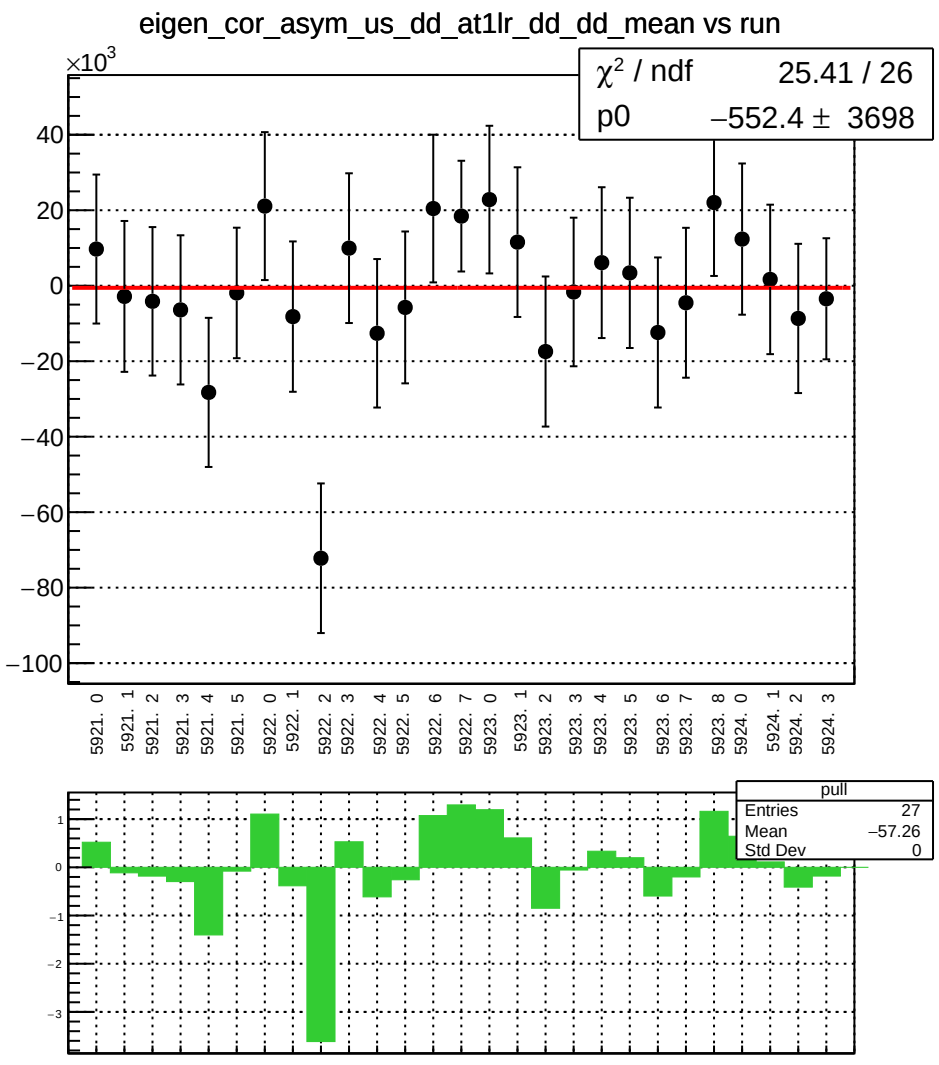

pull1D
Entries 27
Mean −0.01686
Std Dev 0.97
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

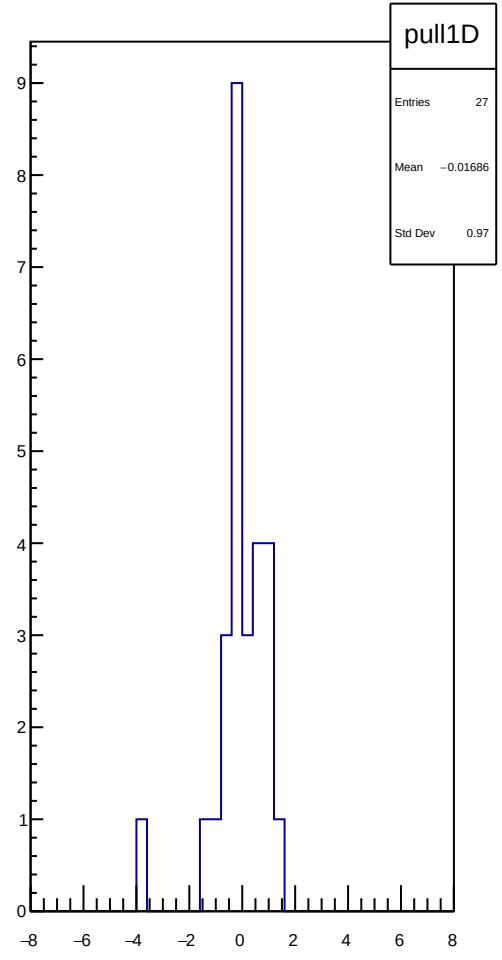

cor_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 27.22 / 26
p0 1880 ± 2.615
1930
1920
1910
1900
1890
1880
1870
1860
1850
1840
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

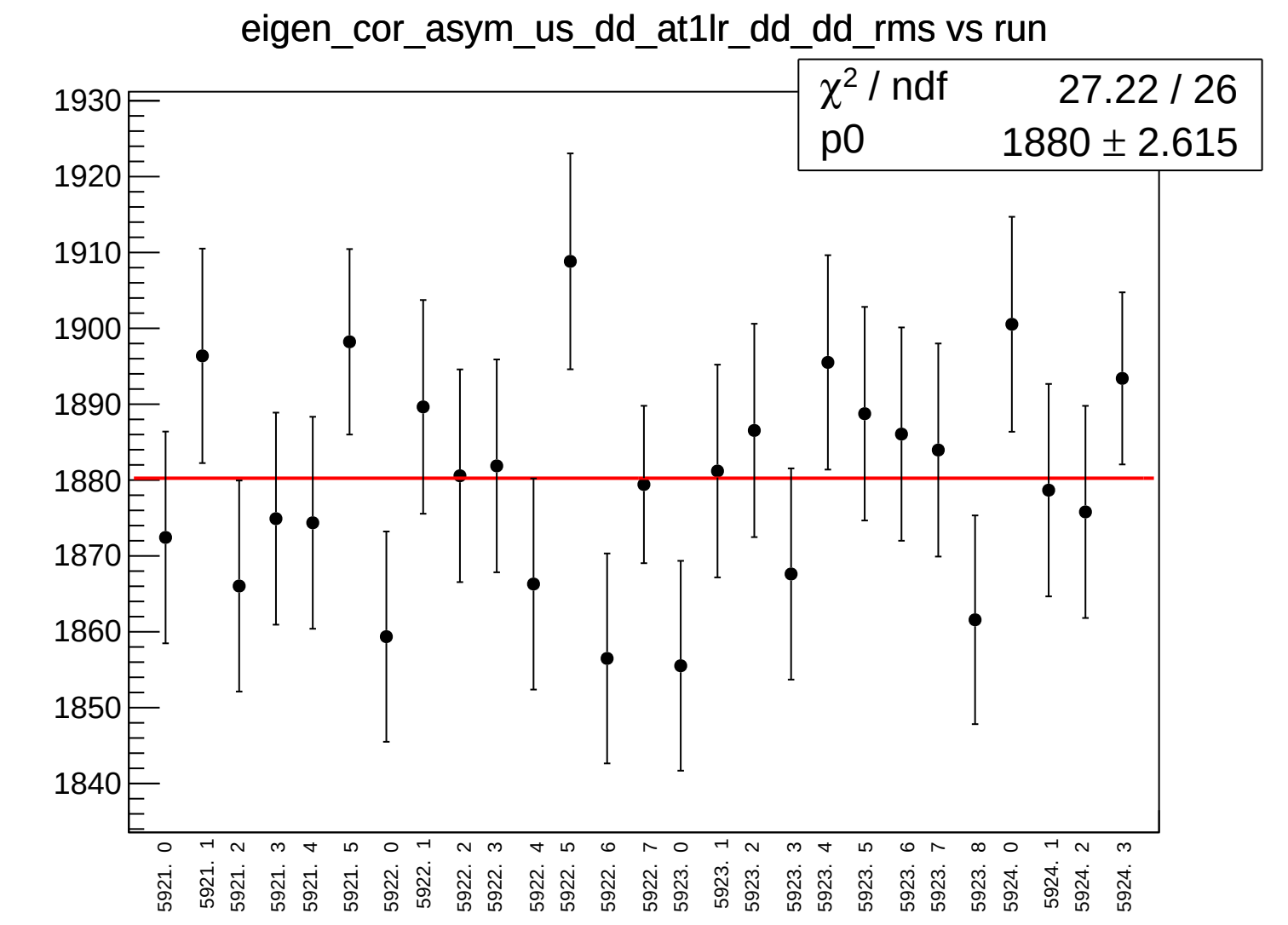

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs run
χ² / ndf 24.26 / 26
p0 −1058 ± 2109
40000
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 64.91
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

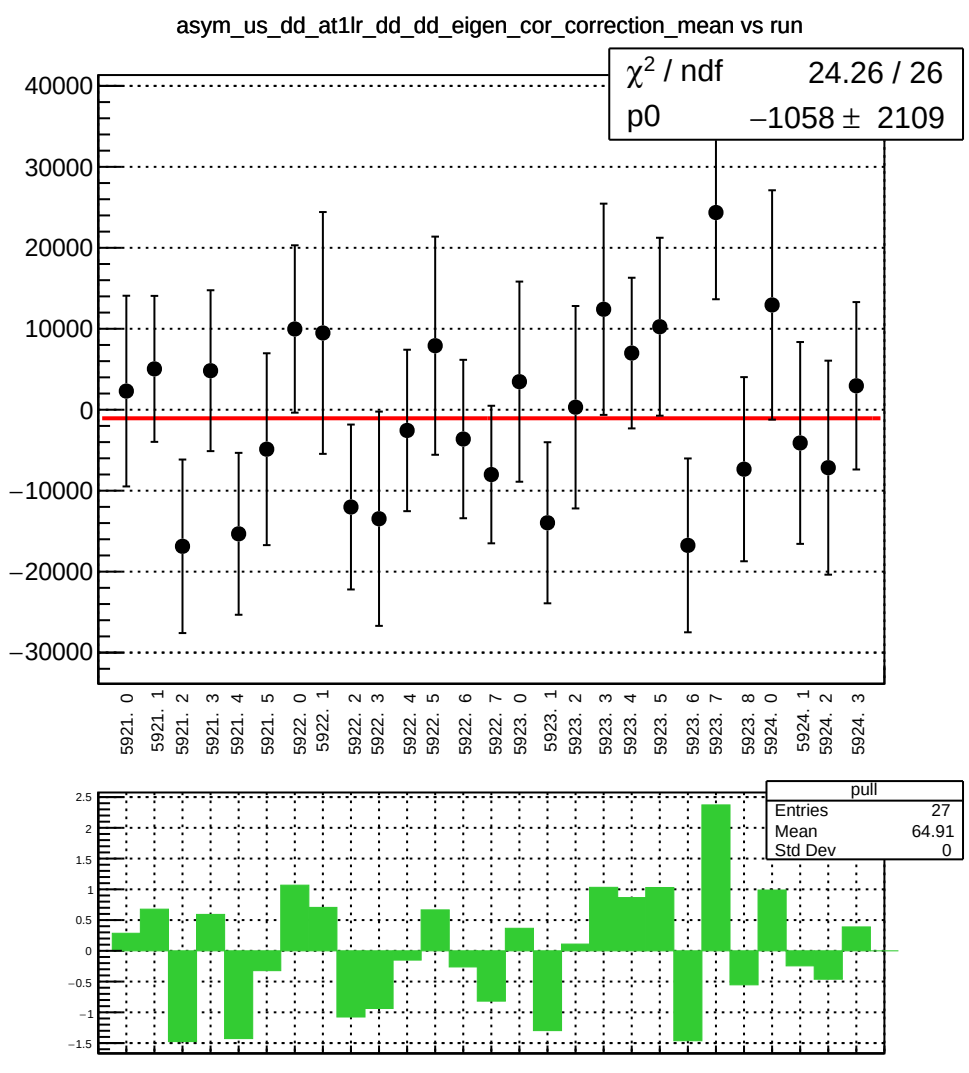

pull1D
Entries 27
Mean 0.02443
Std Dev 0.9476
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

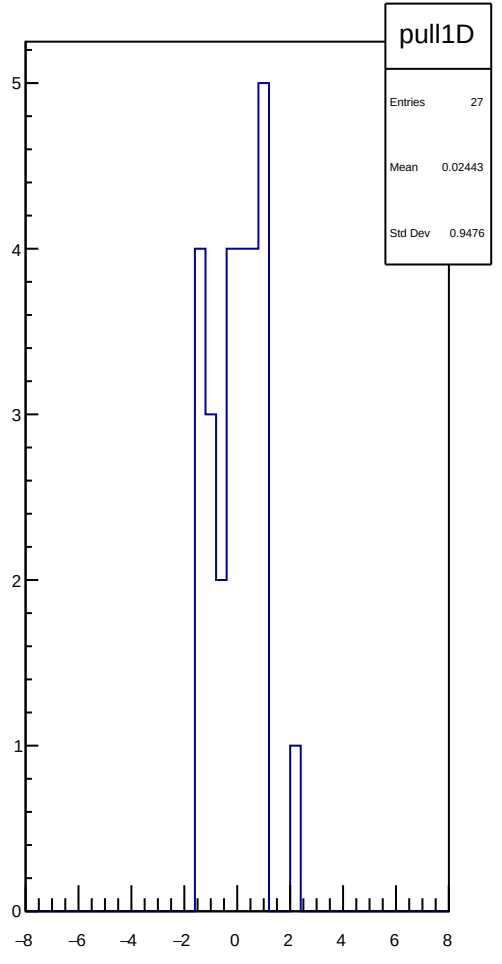

asym_us_dd_at1lr_dd_dd_cor_correction_rms vs run
χ² / ndf 9229 / 26
p0 1063 ± 1.491
1400
1300
1200
1100
1000
900
800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

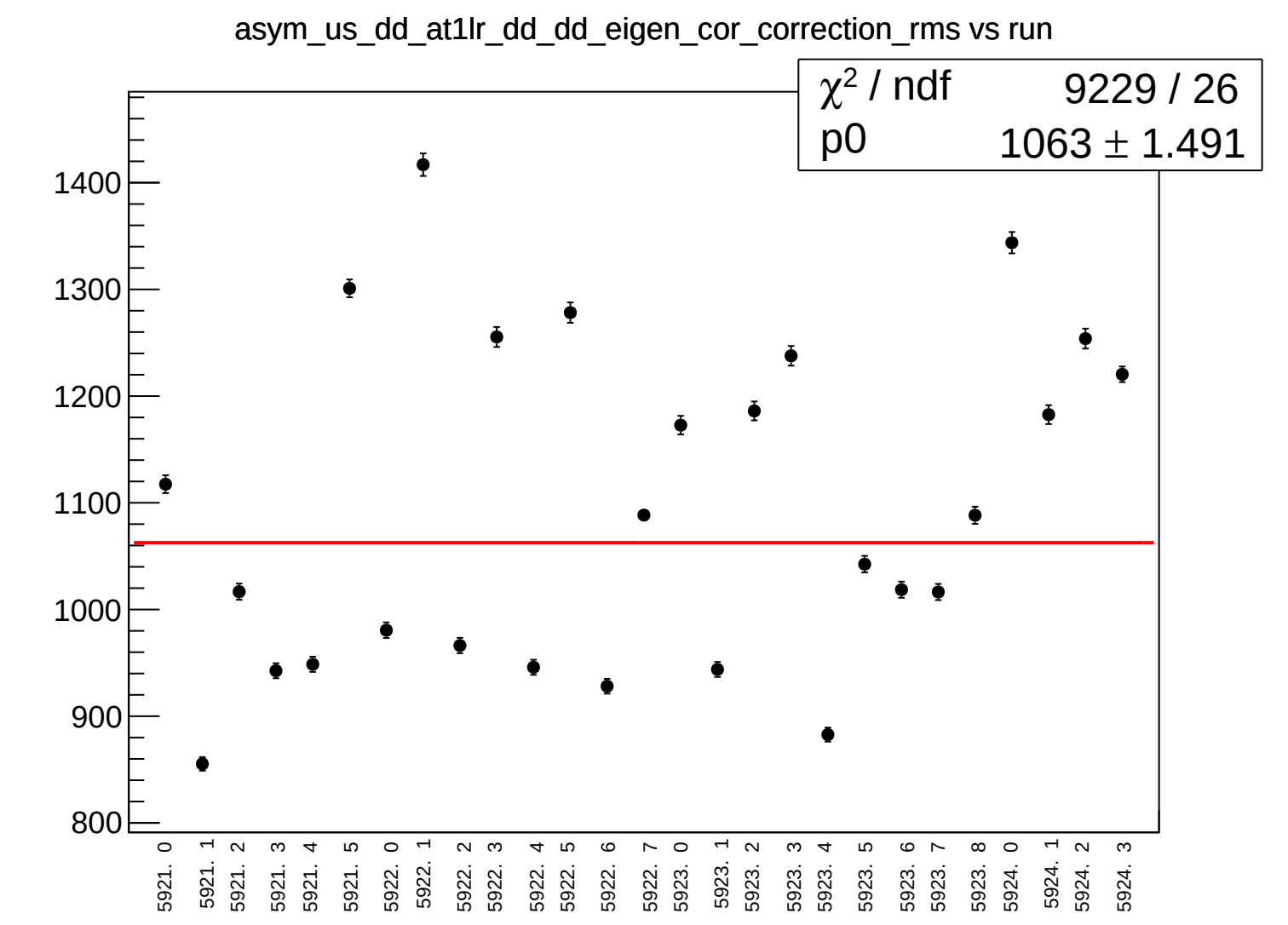

eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs run
×10^3
χ² / ndf 25.41 / 26
p0 −552.4 ± 3698
40
20
0
−20
−40
−60
−80
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −57.26
Std Dev 0
1
0
−1
−2
−3

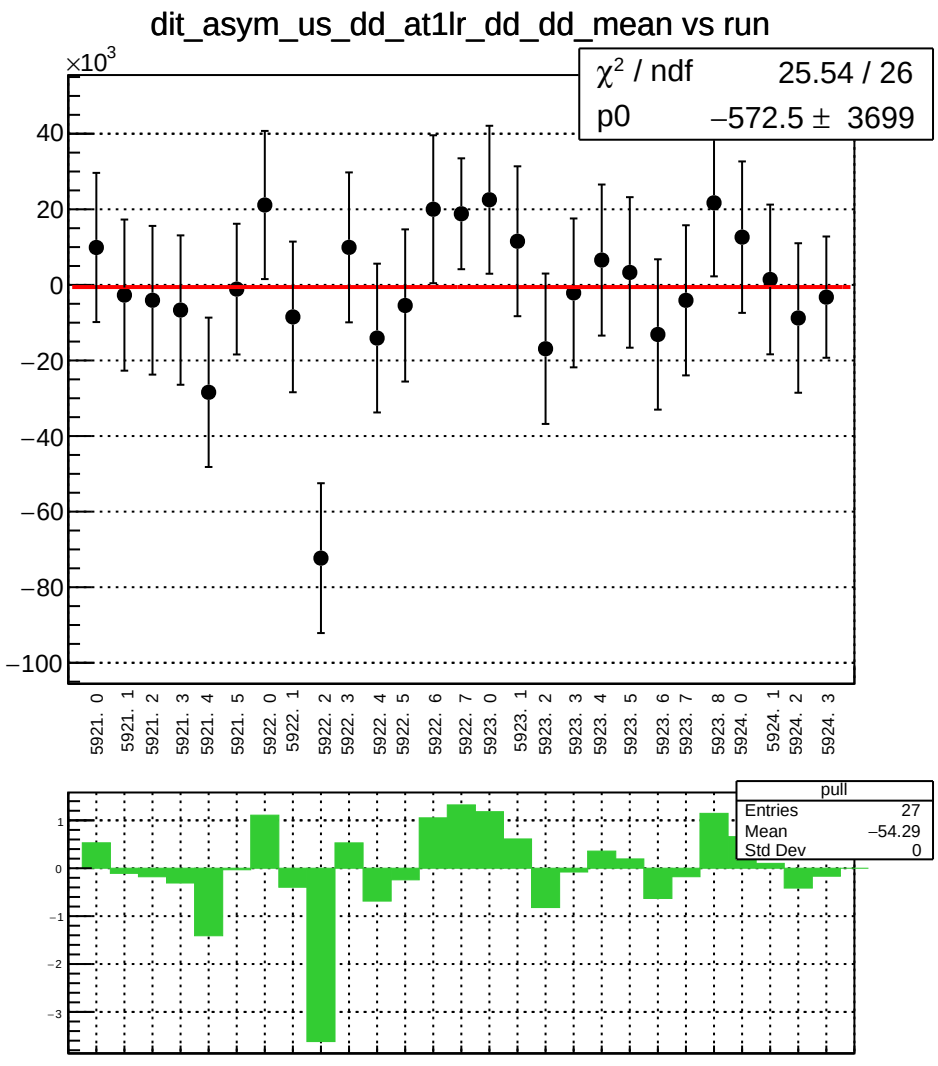

pull1D
Entries 27
Mean −0.01686
Std Dev 0.97
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

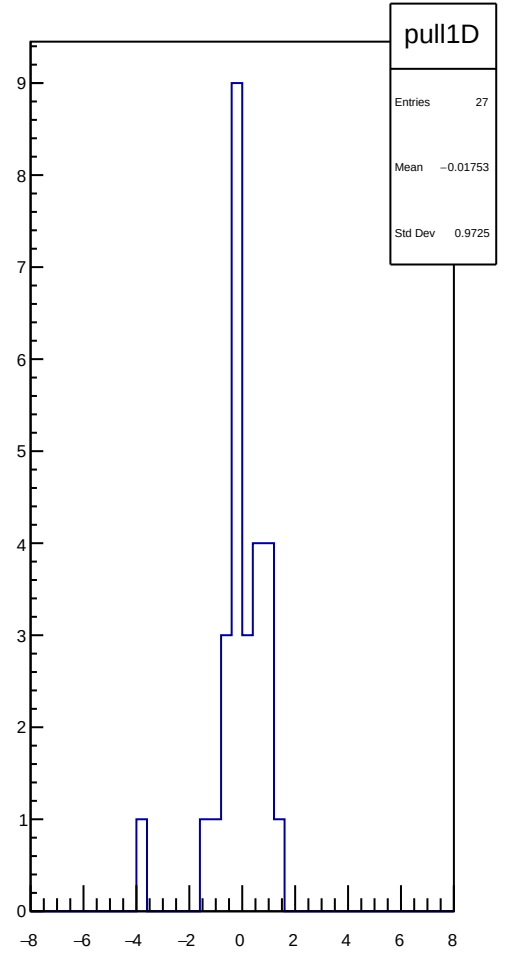

eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 27.22 / 26
p0 1880 ± 2.615
1930
1920
1910
1900
1890
1880
1870
1860
1850
1840
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

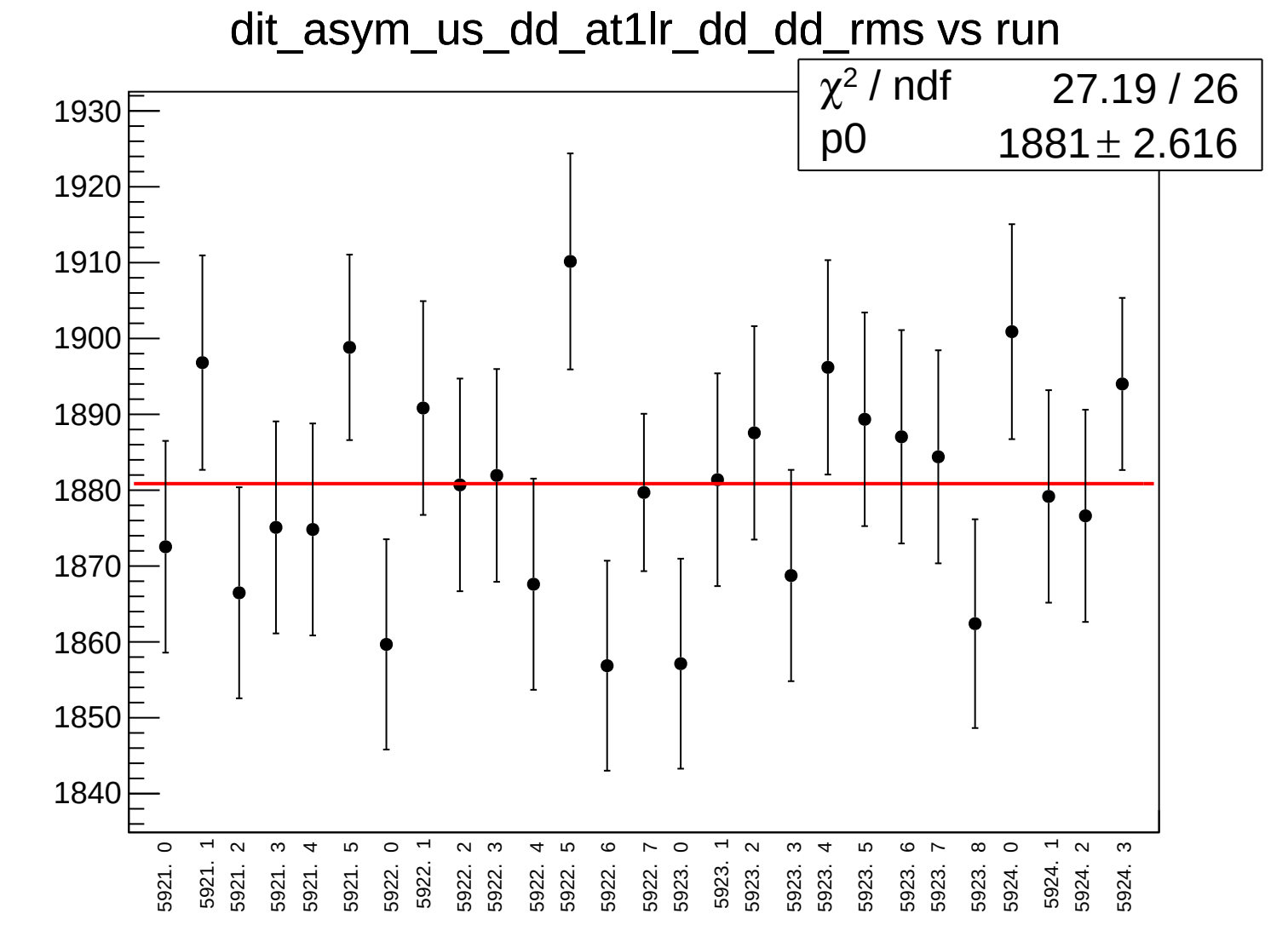

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 24.26 / 26
p0 −1058 ± 2109
40000
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 64.91
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

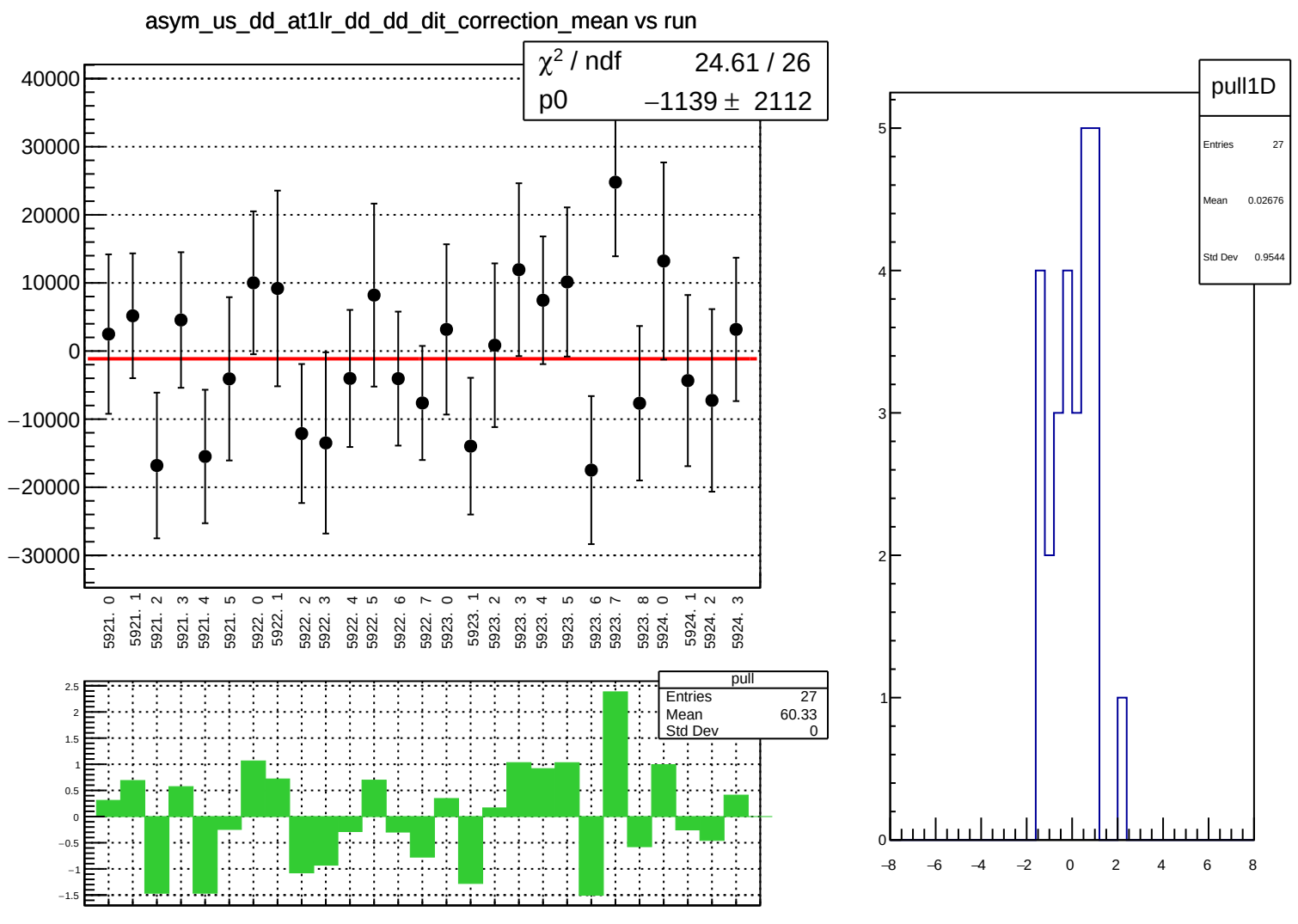

pull1D
Entries 27
Mean 0.02443
Std Dev 0.9476
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

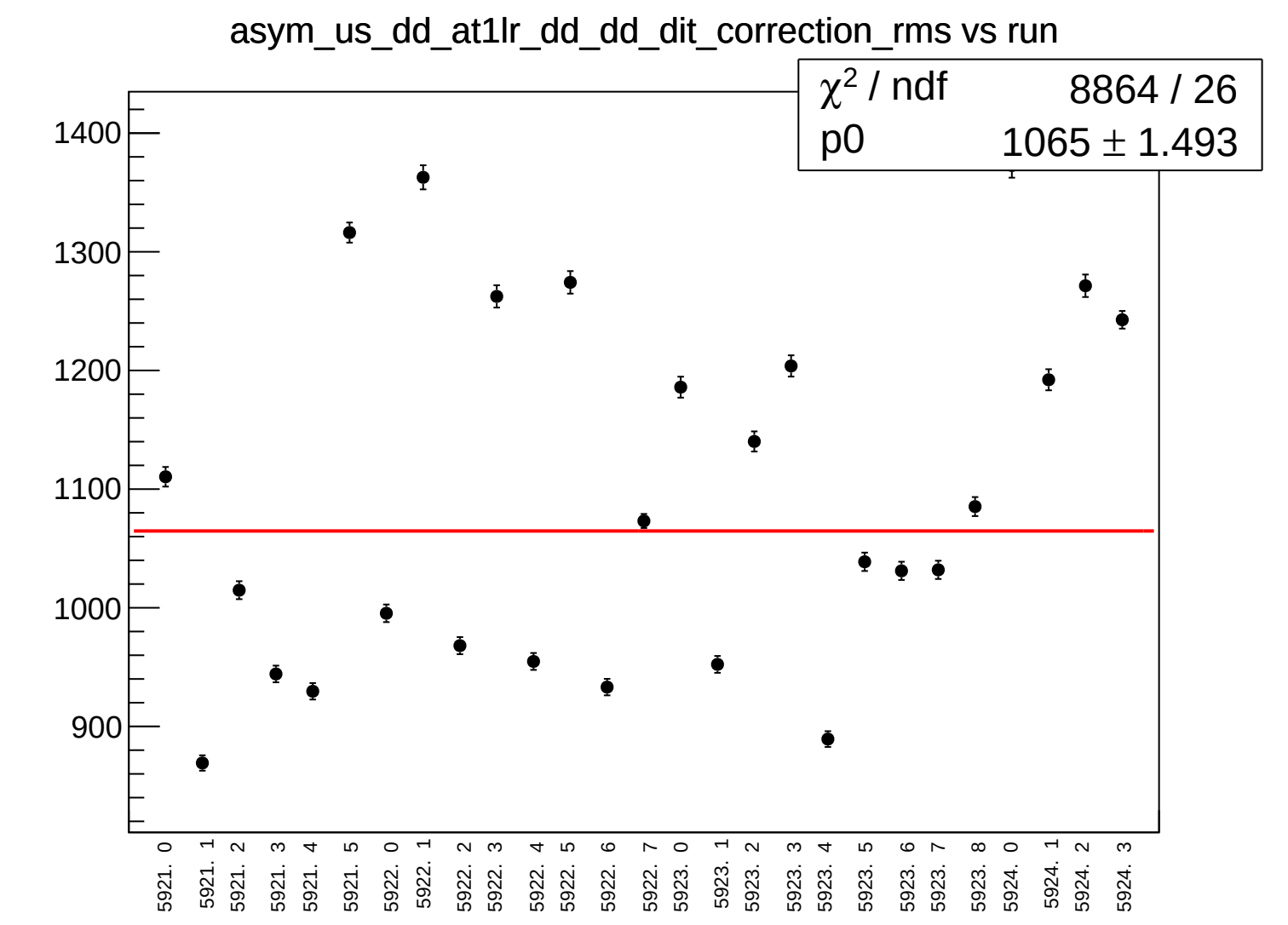

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 9229 / 26
p0 1063 ± 1.491
1400
1300
1200
1100
1000
900
800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

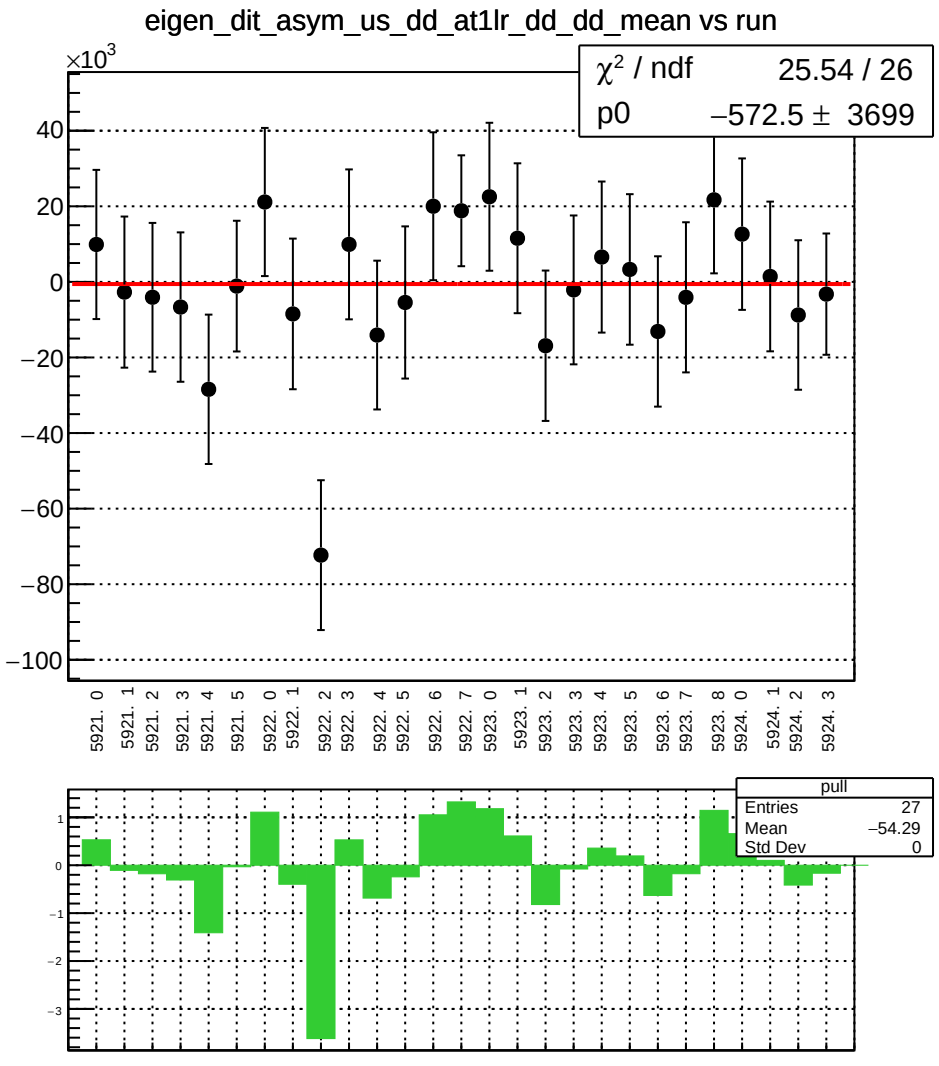

dit_asym_us_dd_at1lr_dd_dd_mean vs run
×10^3
χ² / ndf 25.54 / 26
p0 −572.5 ± 3699
40
20
0
−20
−40
−60
−80
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −54.29
Std Dev 0
1
0
−1
−2
−3

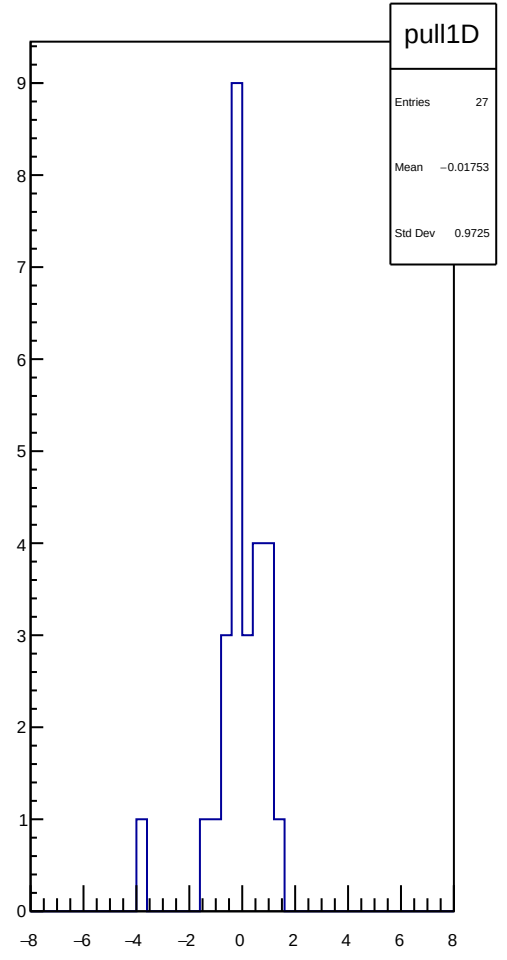

pull1D
Entries 27
Mean −0.01753
Std Dev 0.9725
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

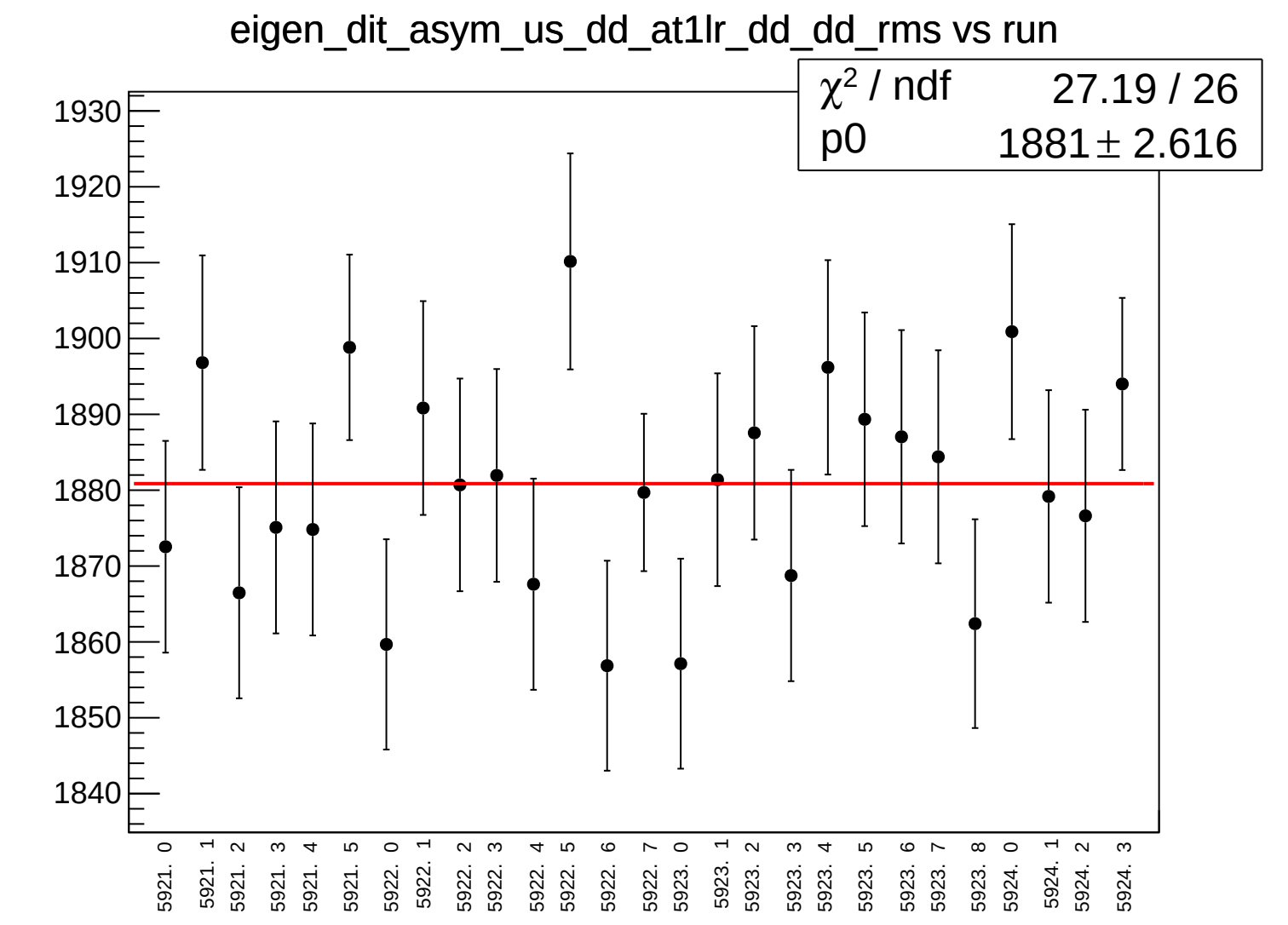

dit_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 27.19 / 26
p0 1881 ± 2.616
1930
1920
1910
1900
1890
1880
1870
1860
1850
1840
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

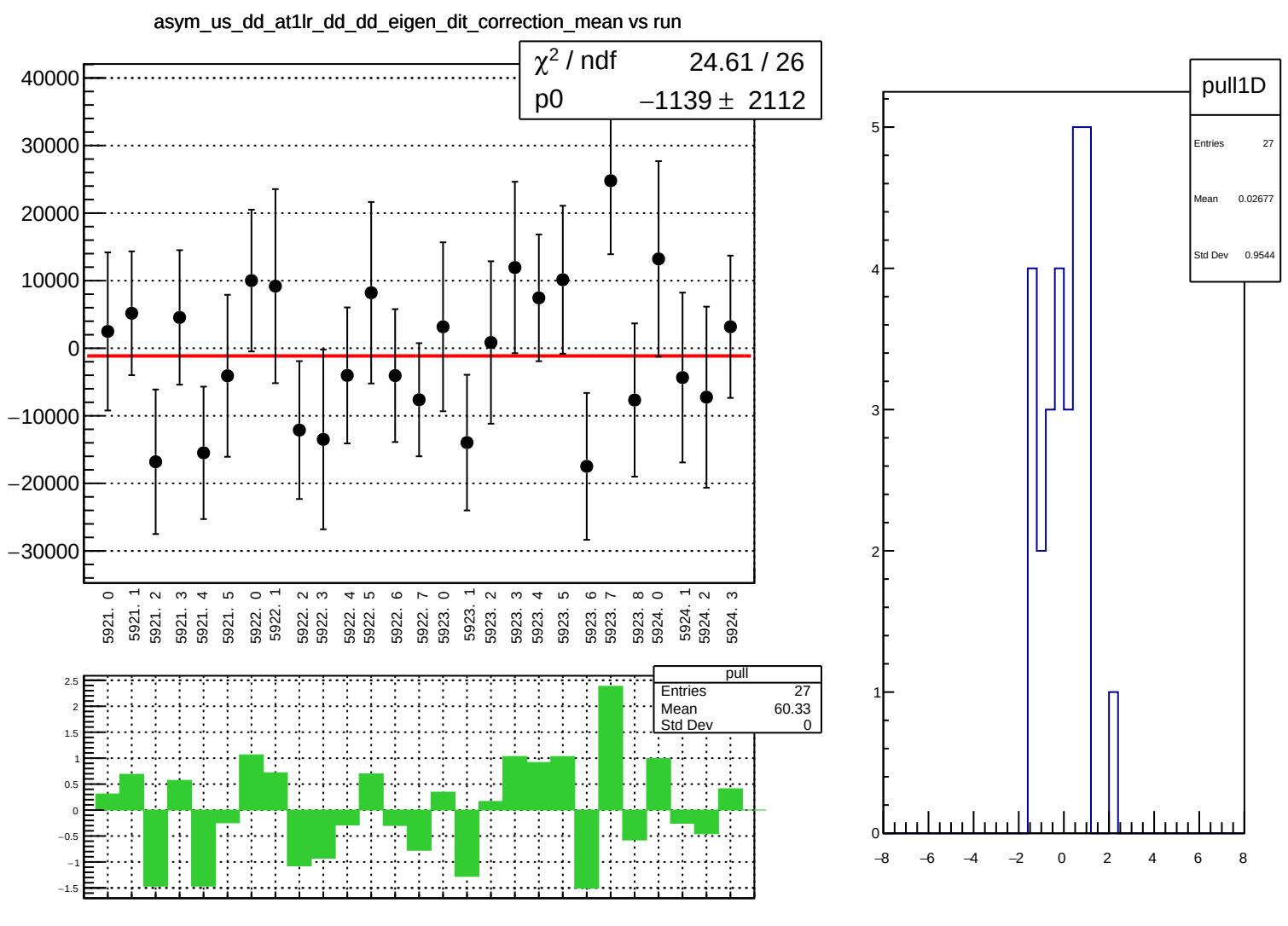

asym_us_dd_at1lr_dd_dd_dit_correction_mean vs run
χ² / ndf 24.61 / 26
p0 −1139 ± 2112
40000
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 60.33
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.02676
Std Dev 0.9544
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

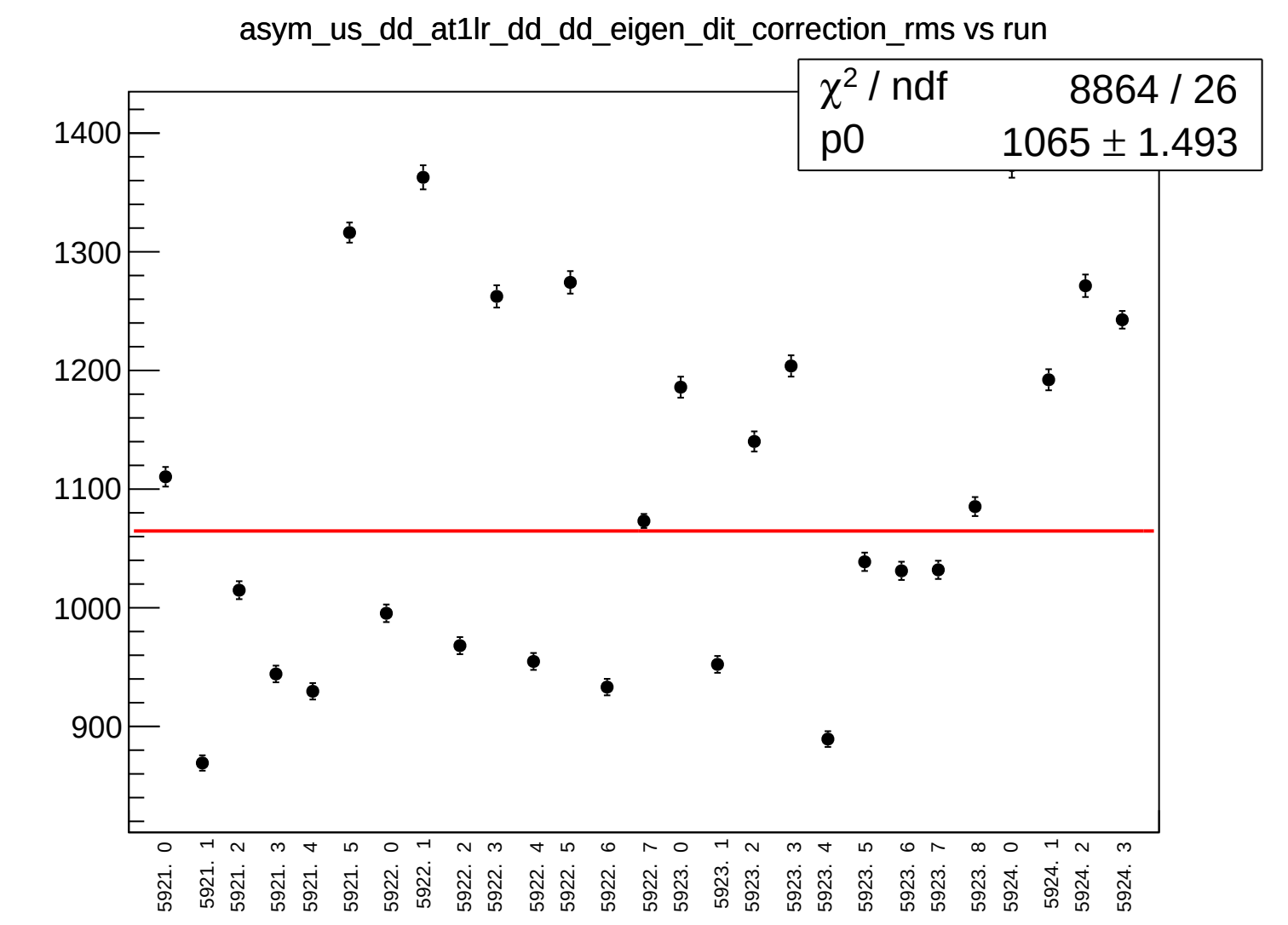

asym_us_dd_at1lr_dd_dd_dit_correction_rms vs run
χ² / ndf 8864 / 26
p0 1065 ± 1.493
1400
1300
1200
1100
1000
900
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

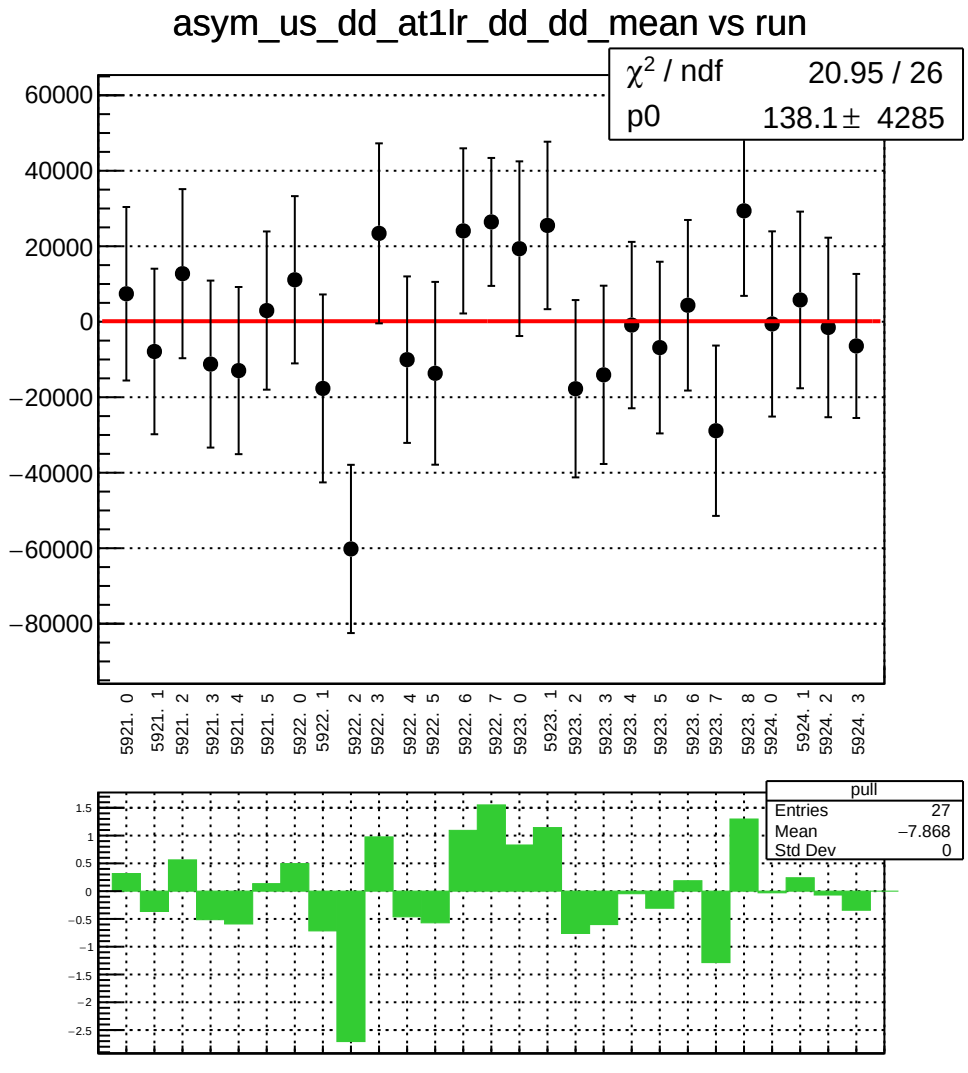

eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs run
×10^3
χ² / ndf 25.54 / 26
p0 −572.5 ± 3699
40
20
0
−20
−40
−60
−80
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −54.29
Std Dev 0
1
0
−1
−2
−3

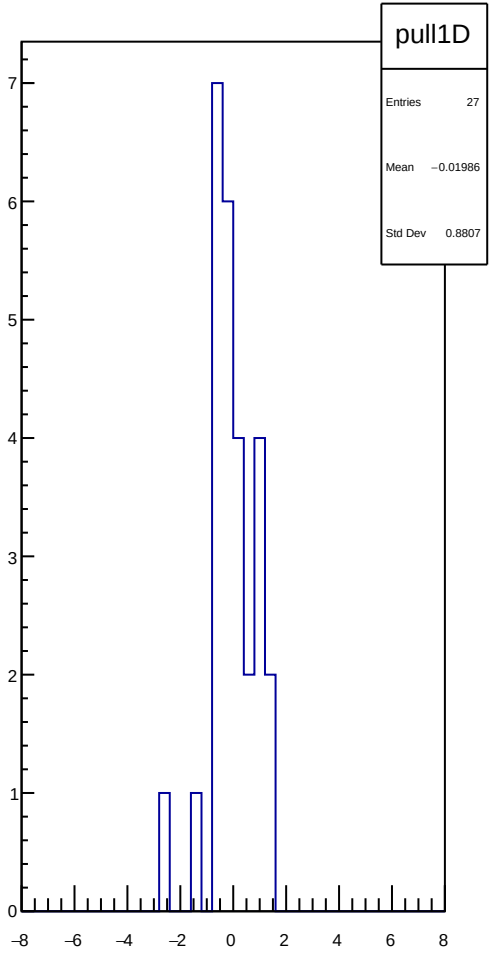

pull1D
Entries 27
Mean −0.01753
Std Dev 0.9725
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

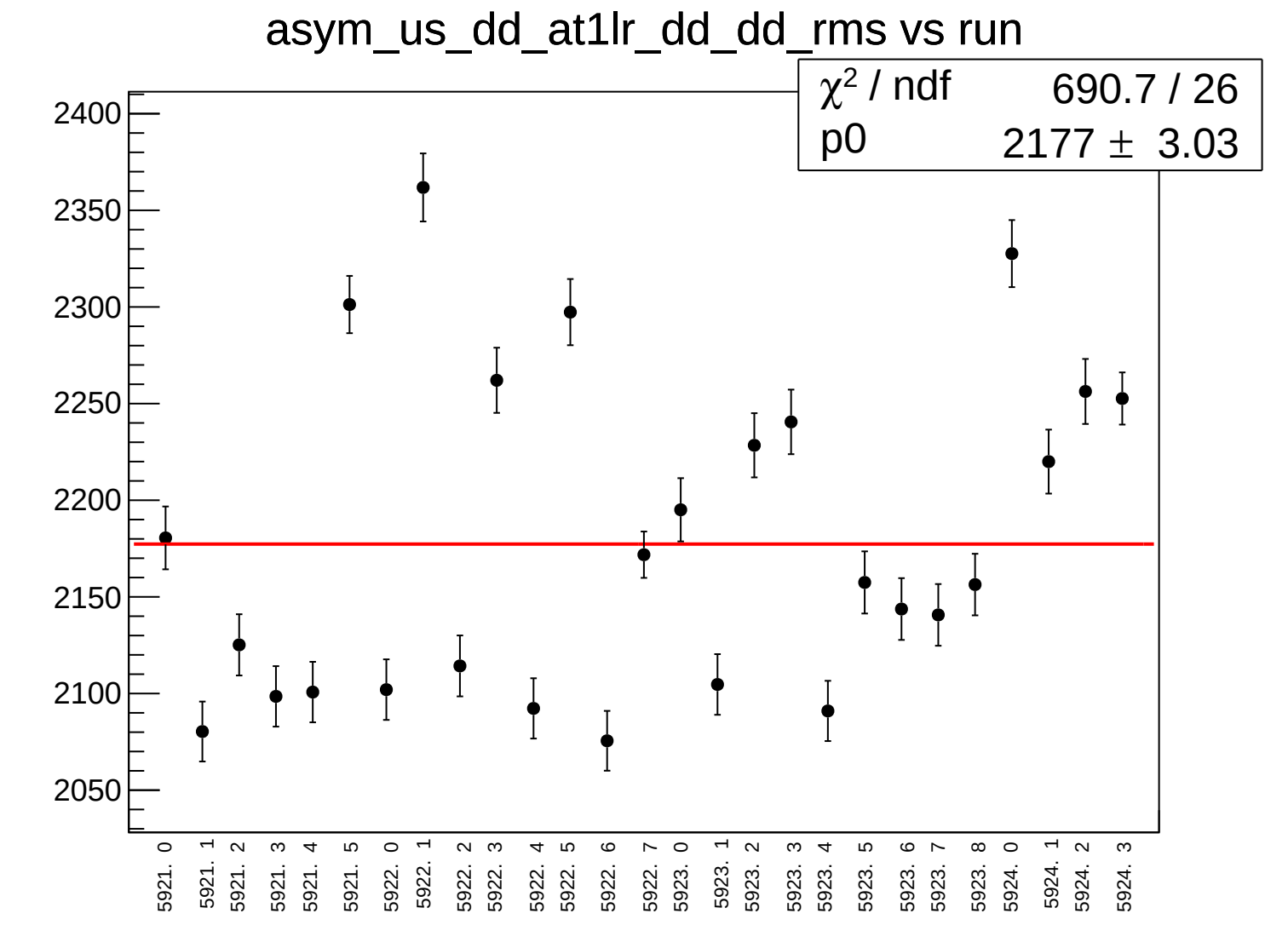

eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 27.19 / 26
p0 1881 ± 2.616
1930
1920
1910
1900
1890
1880
1870
1860
1850
1840
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

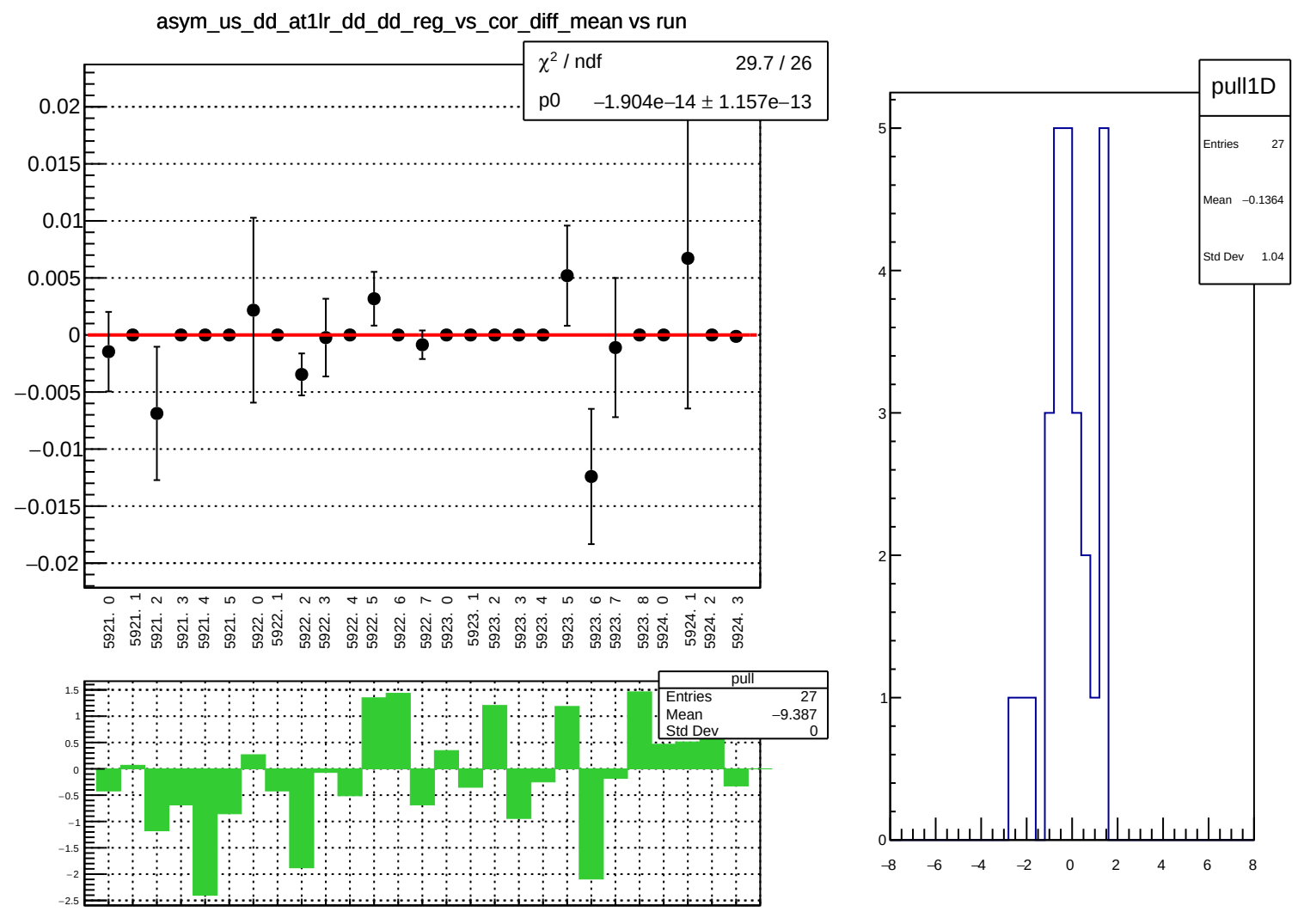

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 24.61 / 26
p0 −1139 ± 2112
40000
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 60.33
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.02677
Std Dev 0.9544
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

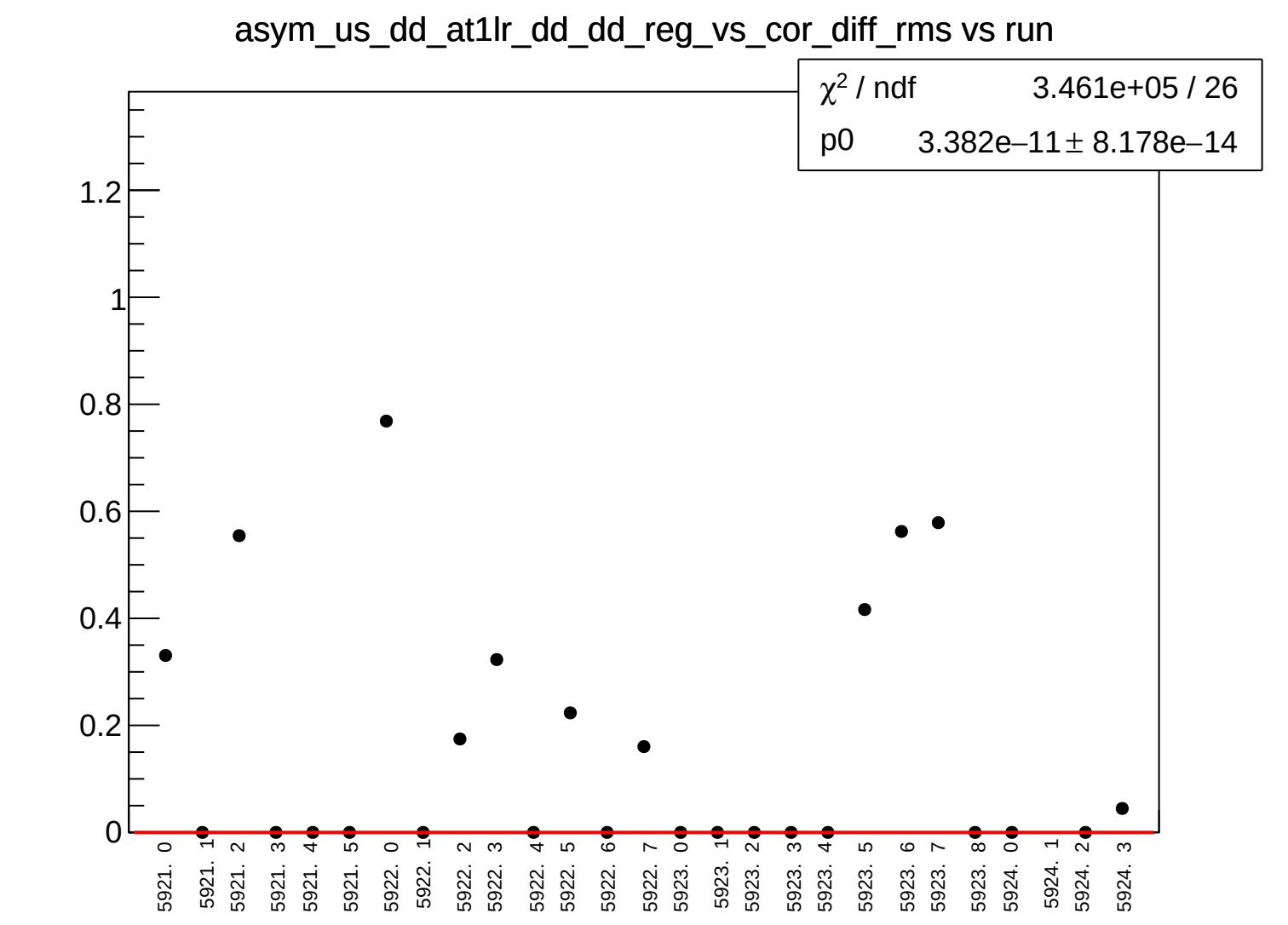

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 8864 / 26
p0 1065 ± 1.493
1400
1300
1200
1100
1000
900
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

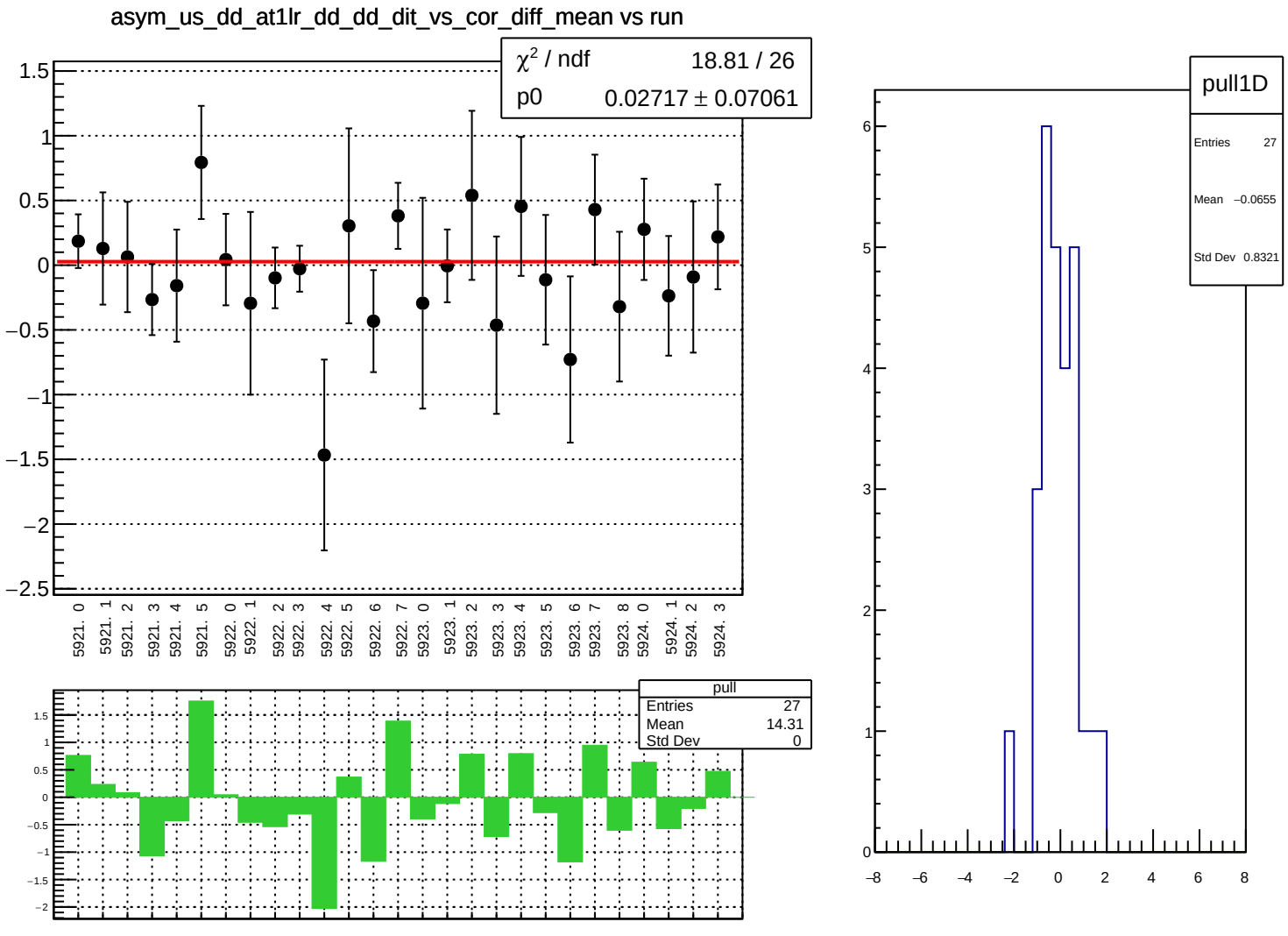

asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 20.95 / 26
p0 138.1 ± 4285
60000
40000
20000
0
−20000
−40000
−60000
−80000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −7.868
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

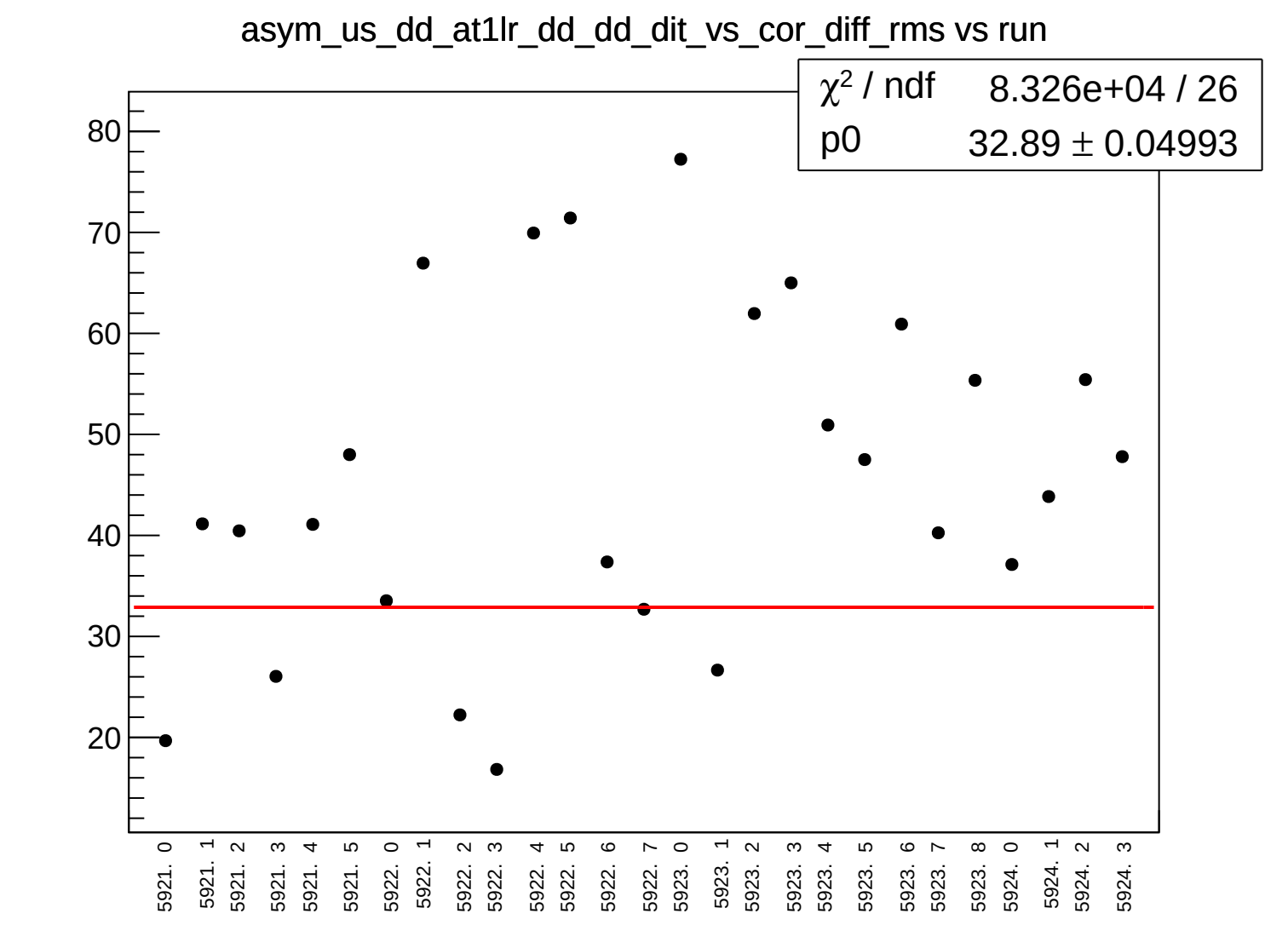

pull1D
Entries 27
Mean −0.01986
Std Dev 0.8807
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

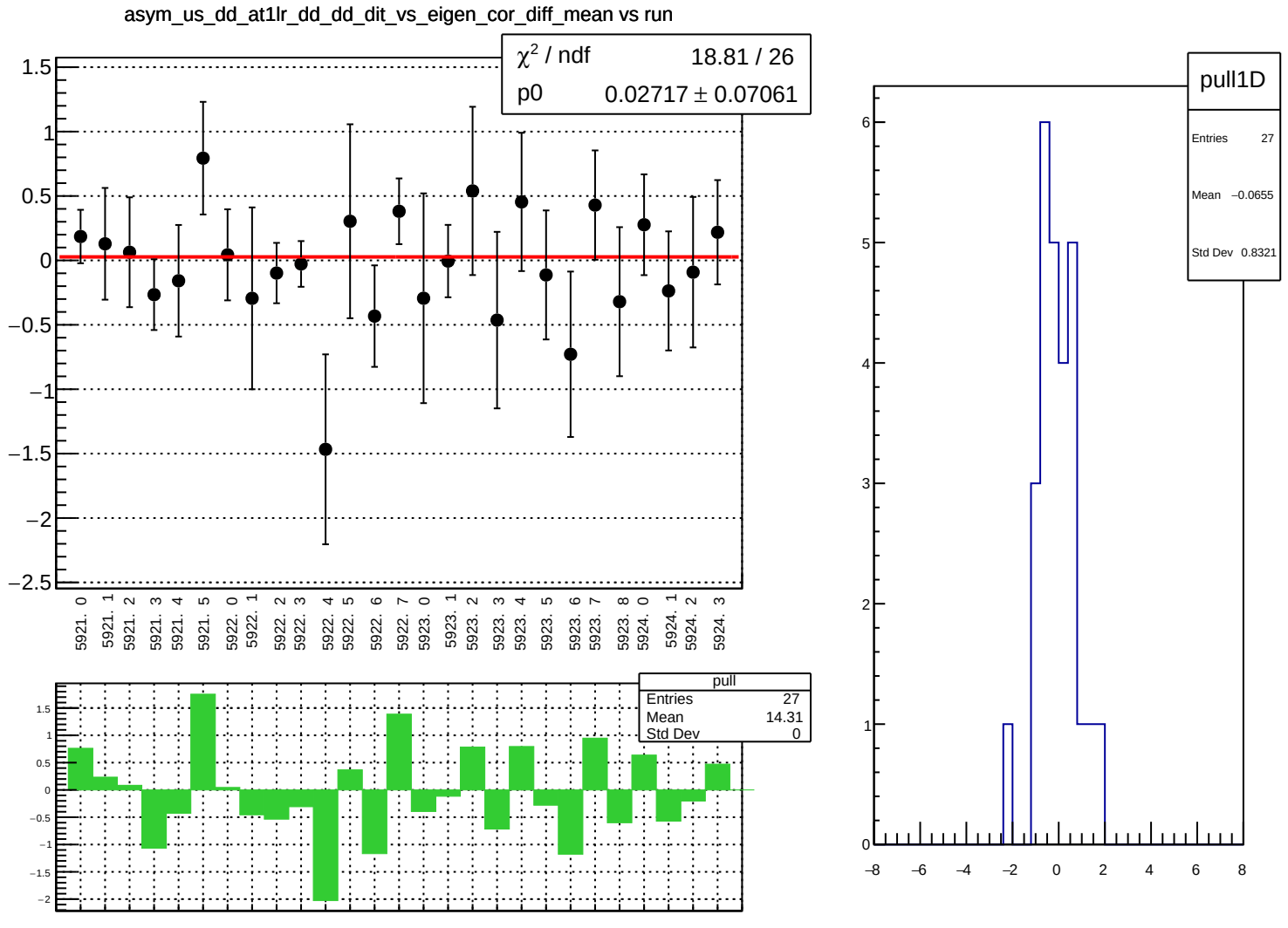

asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 690.7 / 26
p0 2177 ± 3.03
2400
2350
2300
2250
2200
2150
2100
2050
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

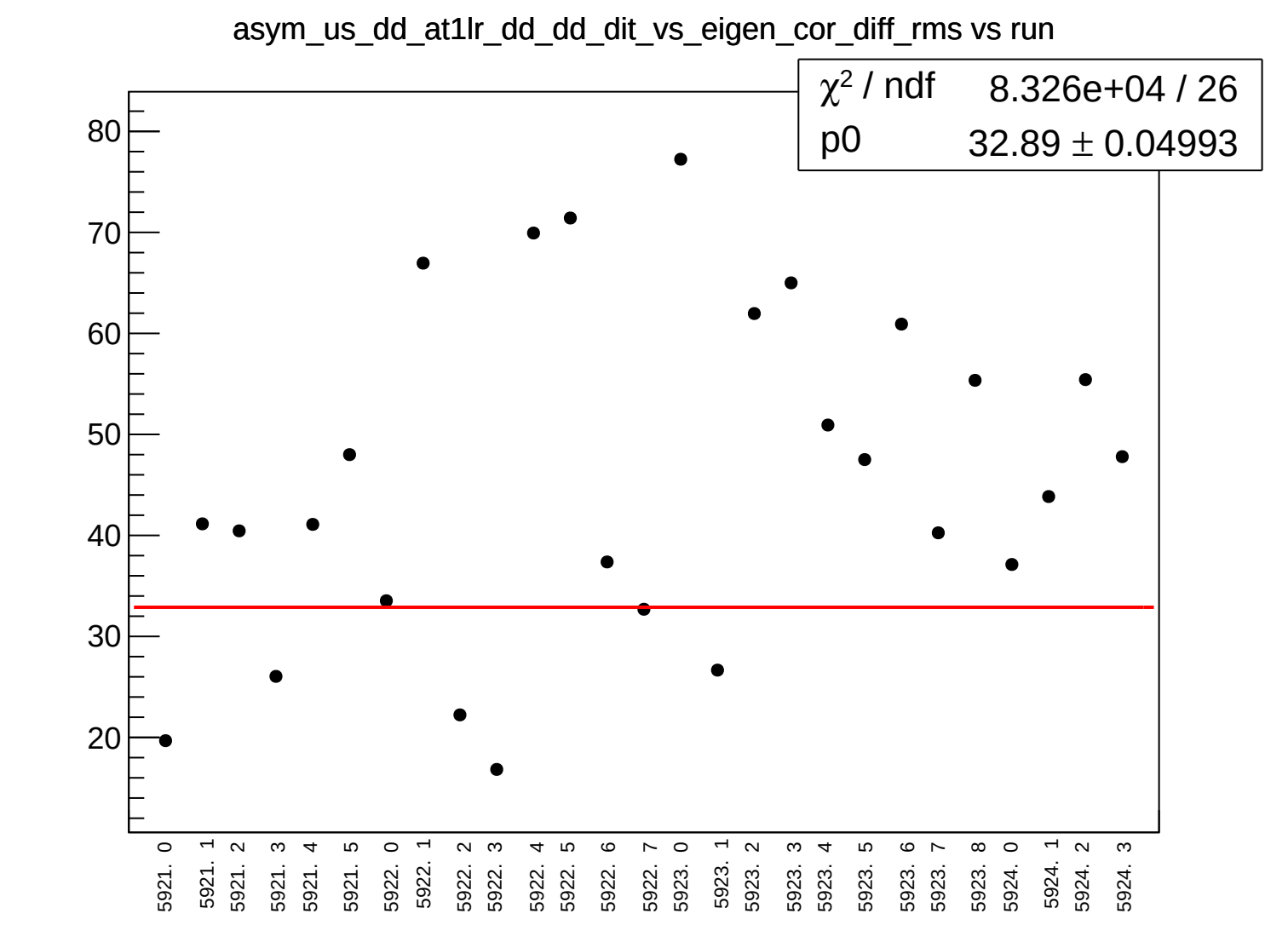

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 29.7 / 26
p0 −1.904e−14 ± 1.157e−13
0.02
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −9.387
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean −0.1364
Std Dev 1.04
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

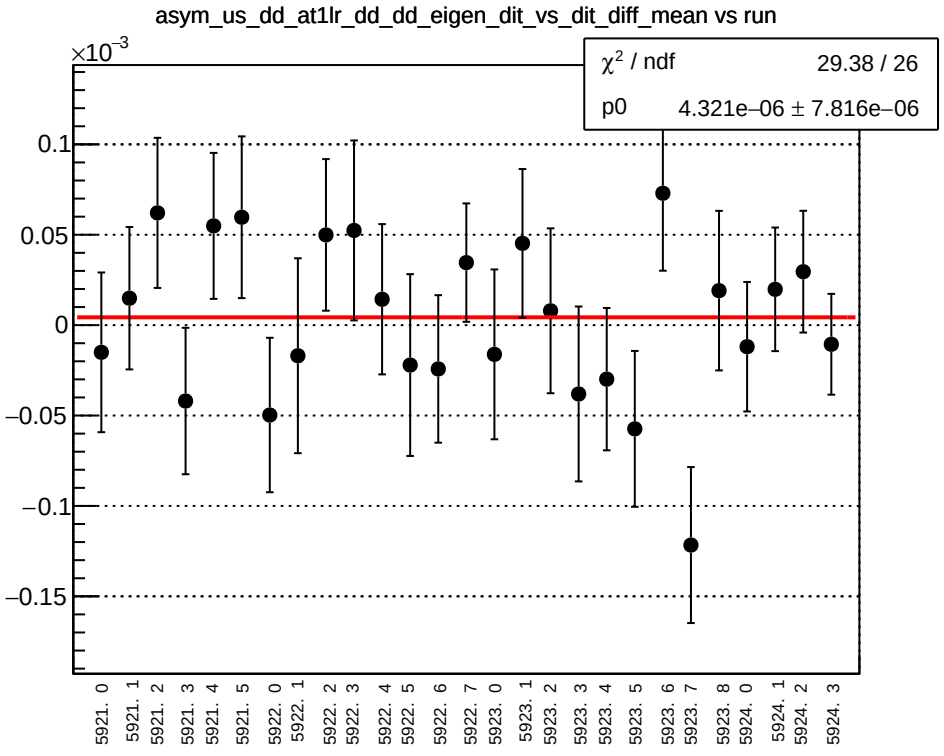

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.461e+05 / 26
p0 3.382e−11 ± 8.178e−14
1.2
1
0.8
0.6
0.4
0.2
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

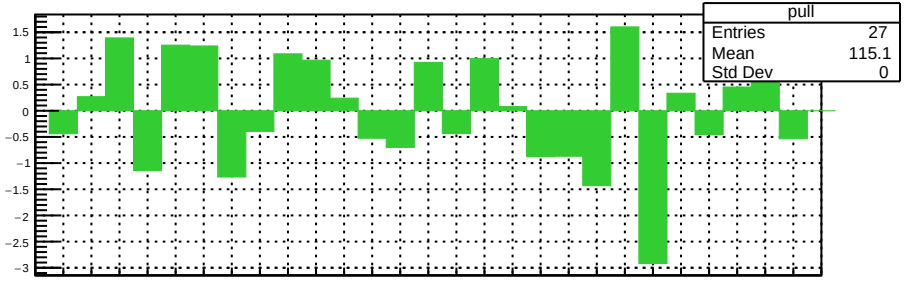

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 18.81 / 26
p0 0.02717 ± 0.07061
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 14.31
Std Dev 0
pull1D
Entries 27
Mean −0.0655
Std Dev 0.8321
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

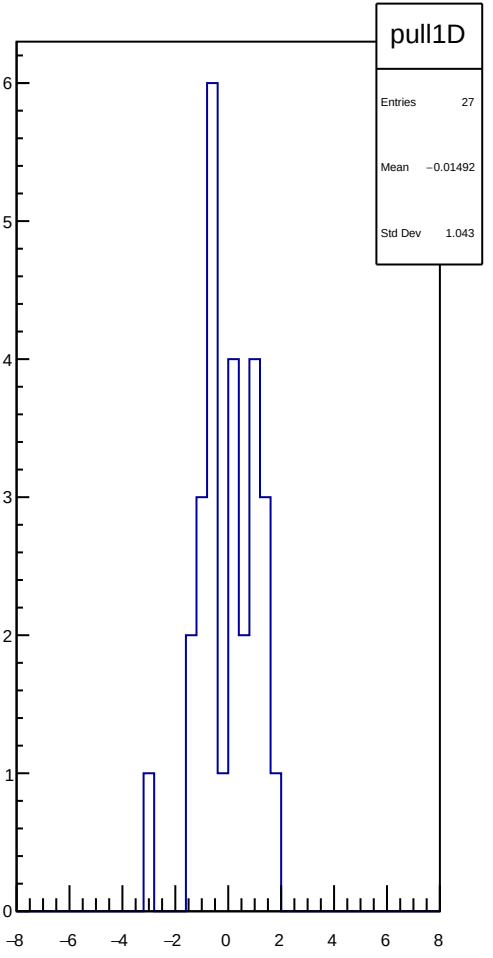

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 8.326e+04 / 26
p0 32.89 ± 0.04993
80
70
60
50
40
30
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

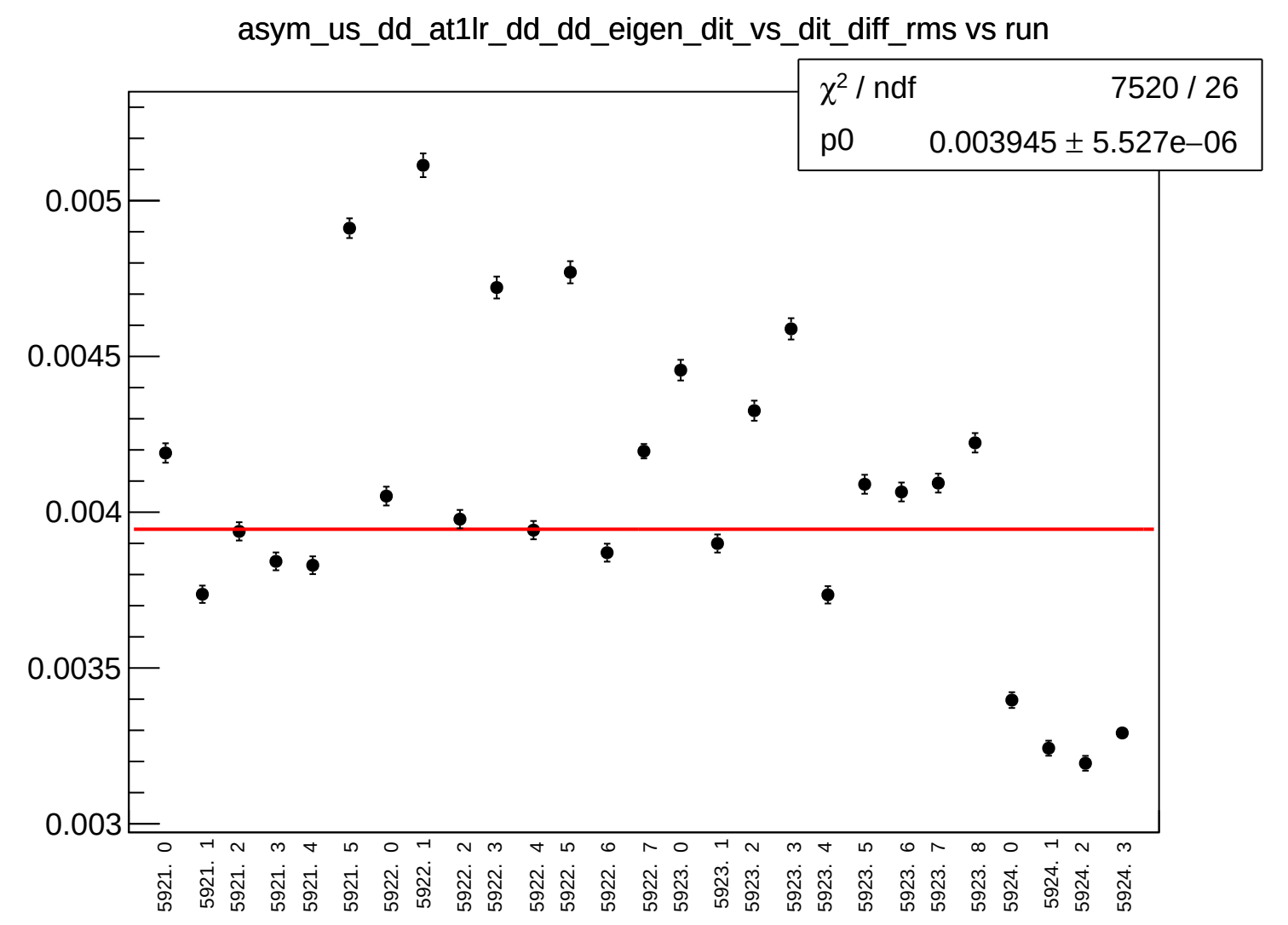

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 18.81 / 26
p0 0.02717 ± 0.07061
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 14.31
Std Dev 0
pull1D
Entries 27
Mean −0.0655
Std Dev 0.8321
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

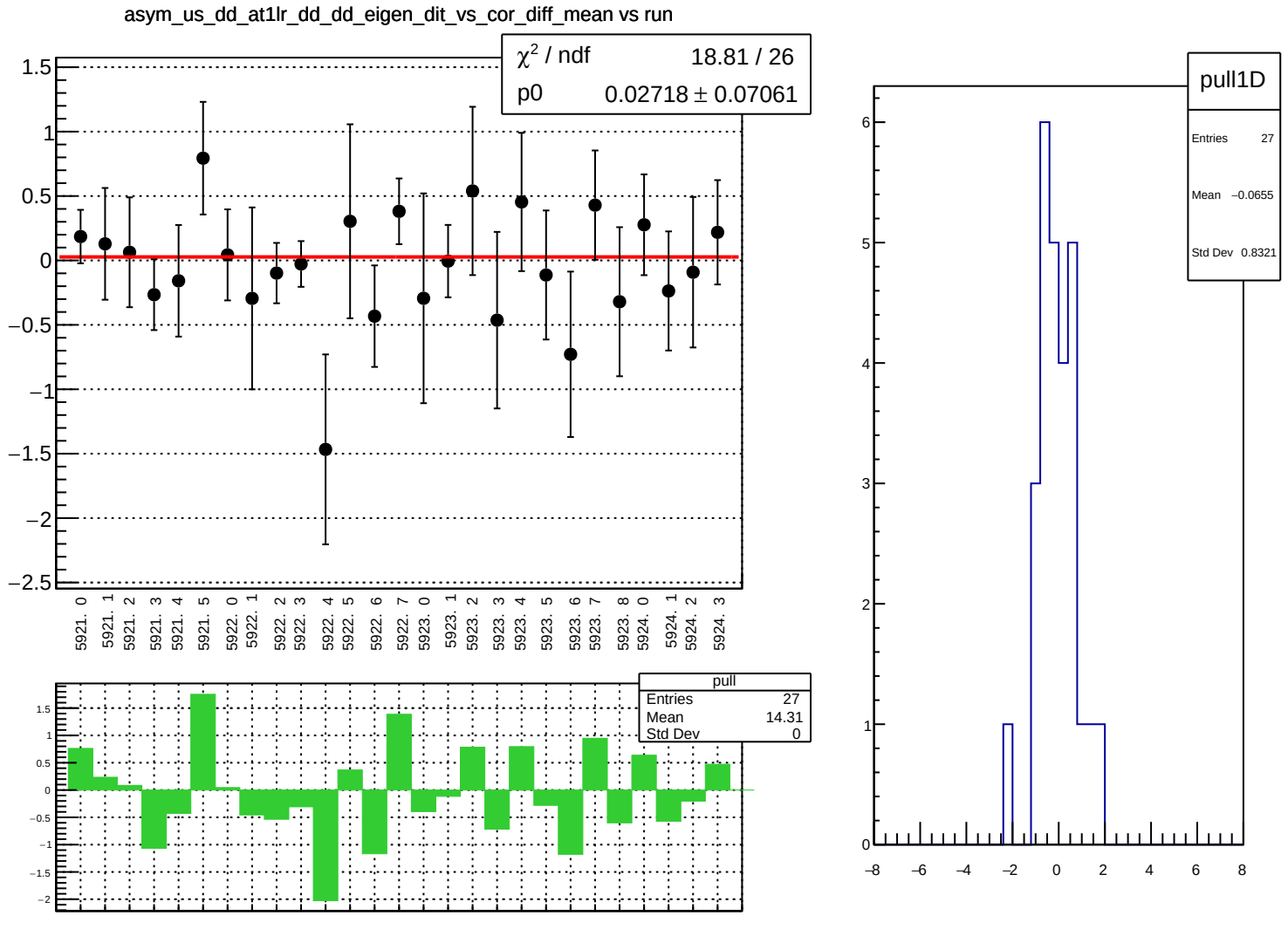

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.326e+04 / 26
p0 32.89 ± 0.04993
80
70
60
50
40
30
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

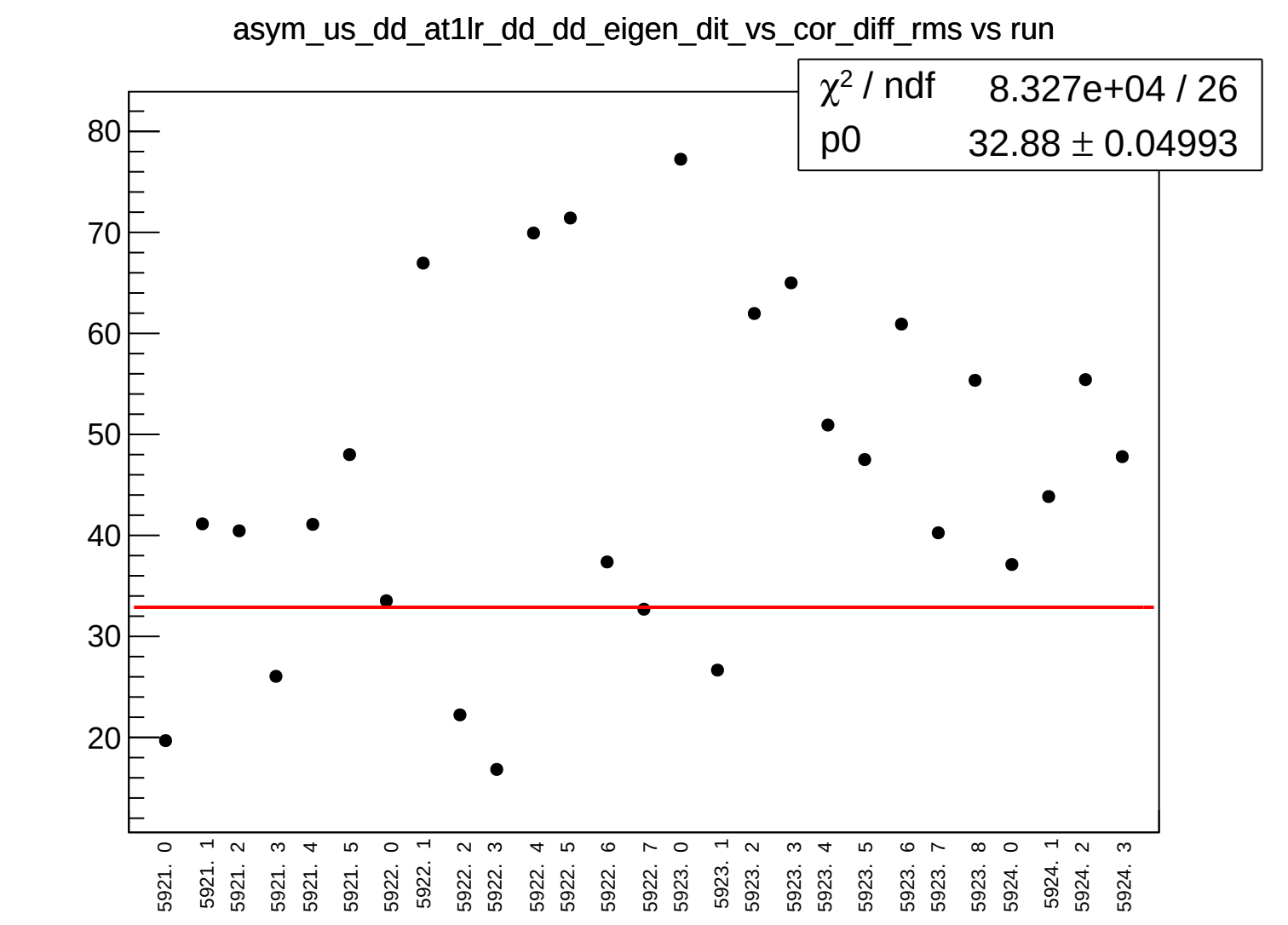

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 29.38 / 26
p0 4.321e−06 ± 7.816e−06
0.1
0.05
0
−0.05
−0.1
−0.15
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

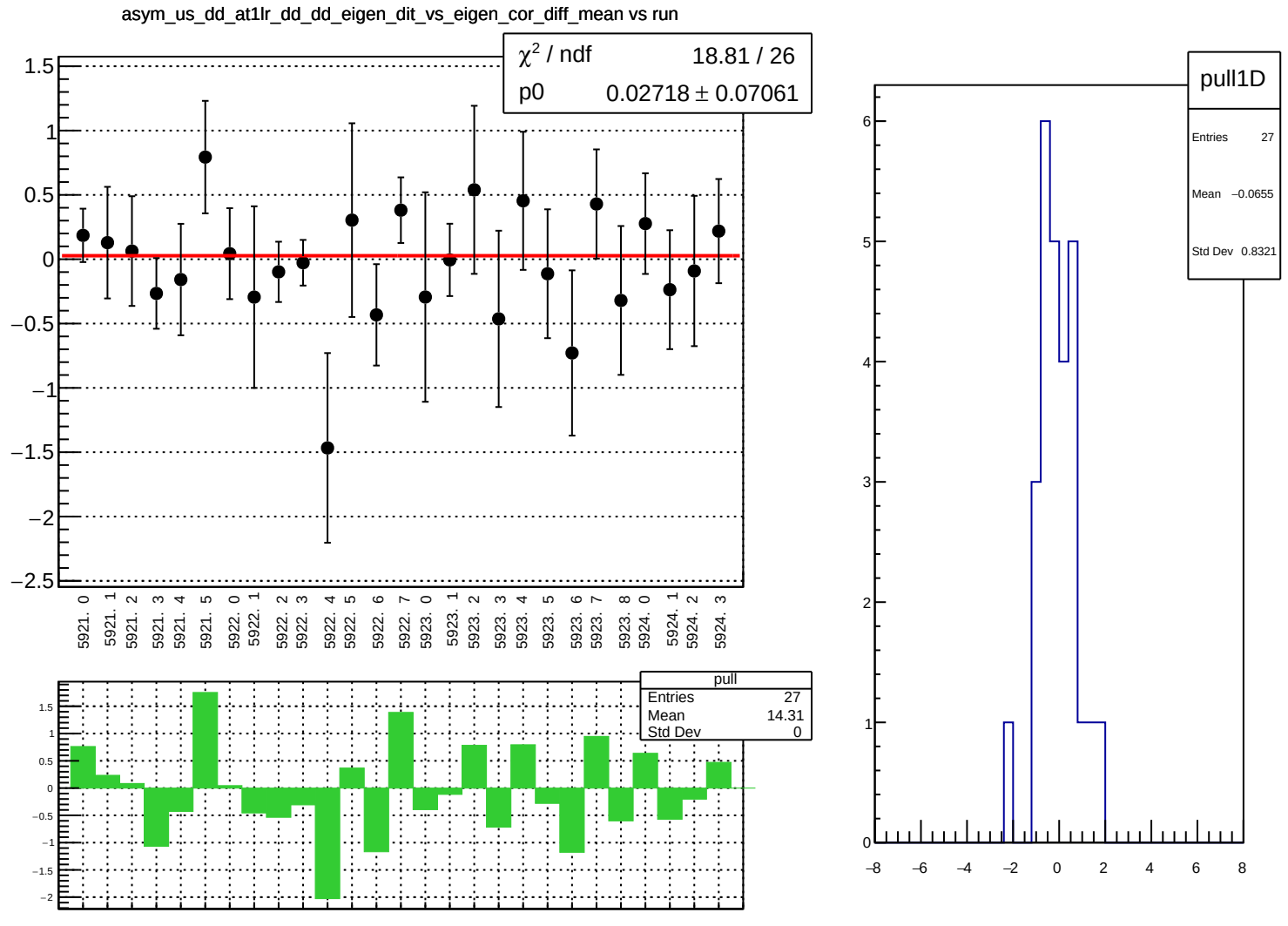

pull
Entries 27
Mean 115.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

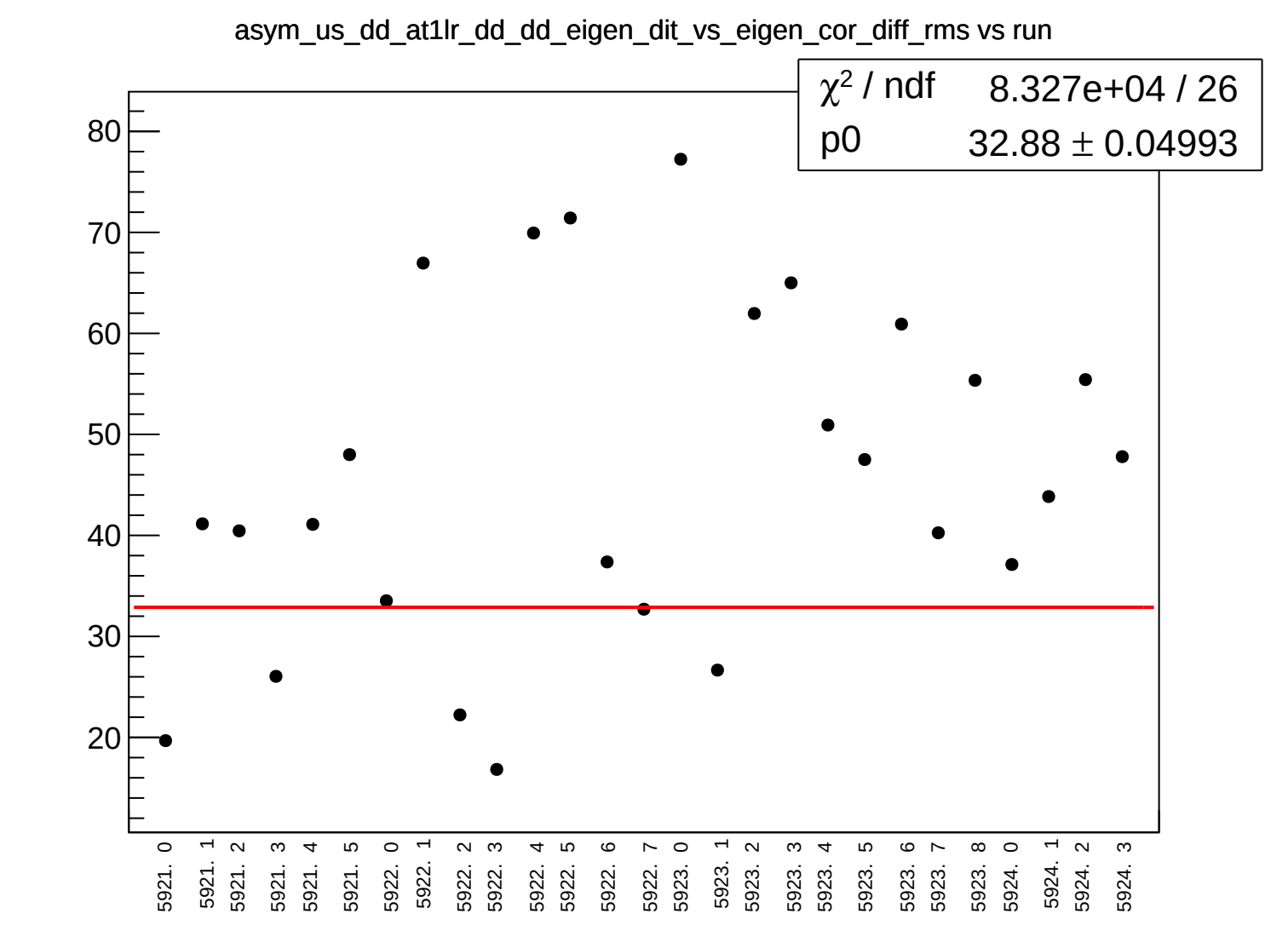

pull1D
Entries 27
Mean −0.01492
Std Dev 1.043
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

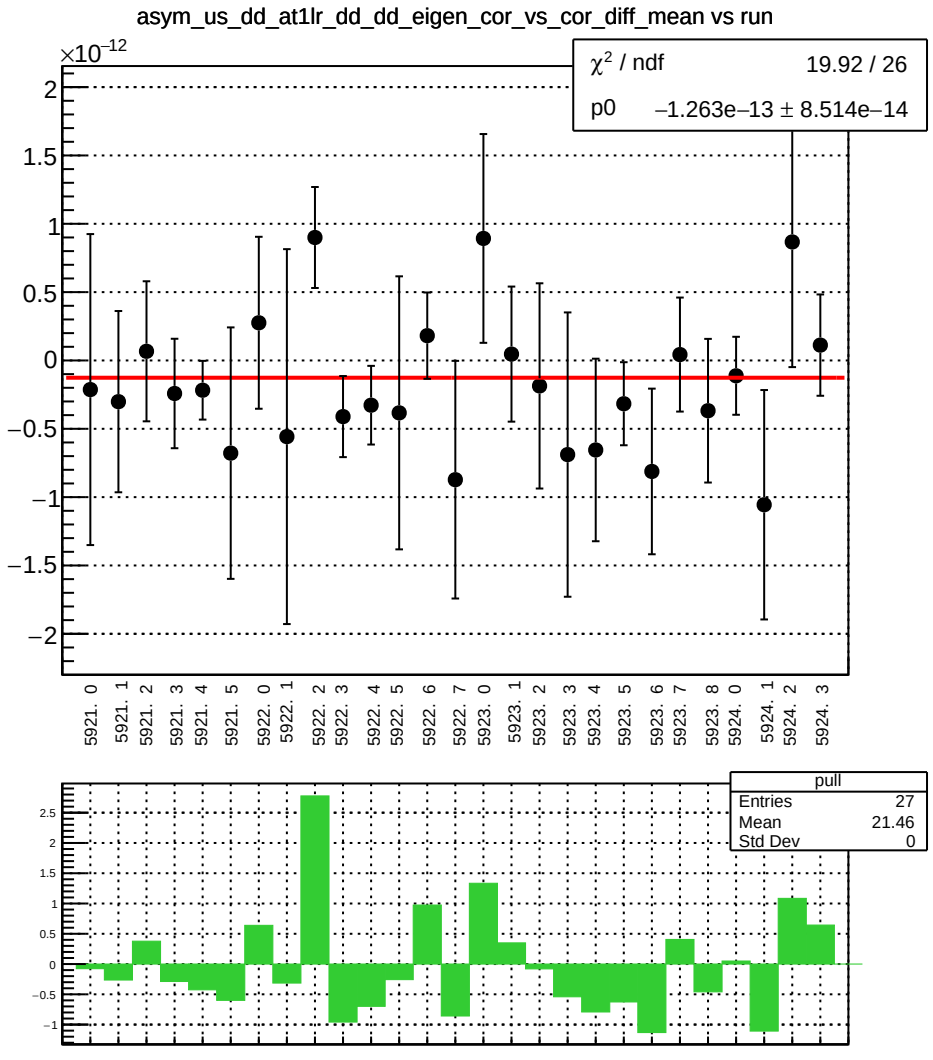

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7520 / 26
p0 0.003945 ± 5.527e−06
0.005
0.0045
0.004
0.0035
0.003
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

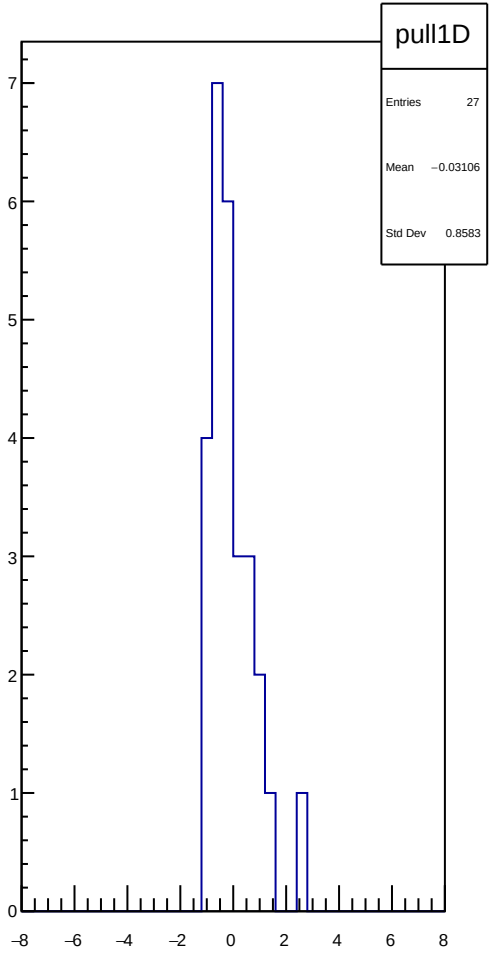

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 18.81 / 26
p0 0.02718 ± 0.07061
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 14.31
Std Dev 0
pull1D
Entries 27
Mean −0.0655
Std Dev 0.8321
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

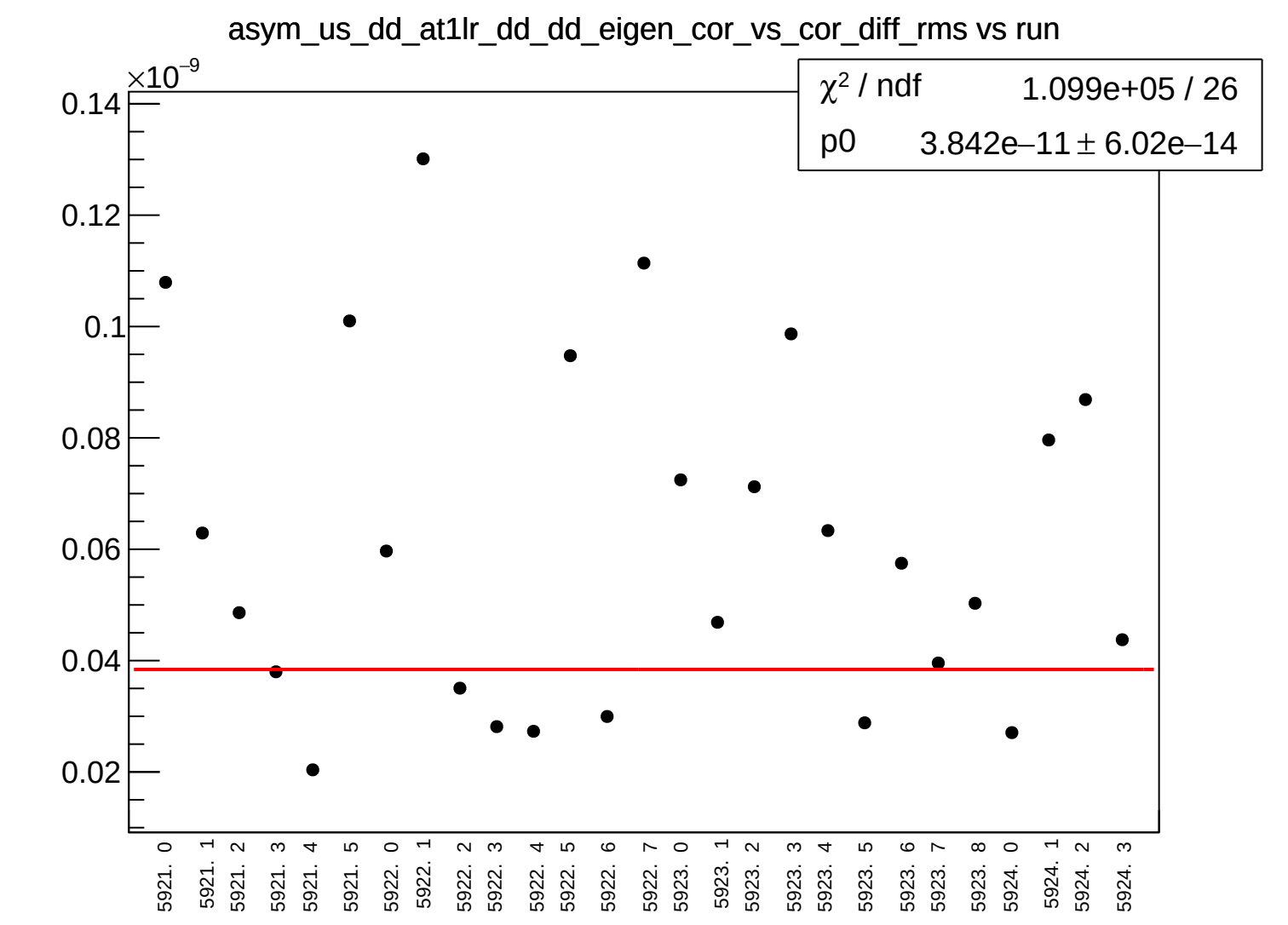

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.327e+04 / 26
p0 32.88 ± 0.04993
80
70
60
50
40
30
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

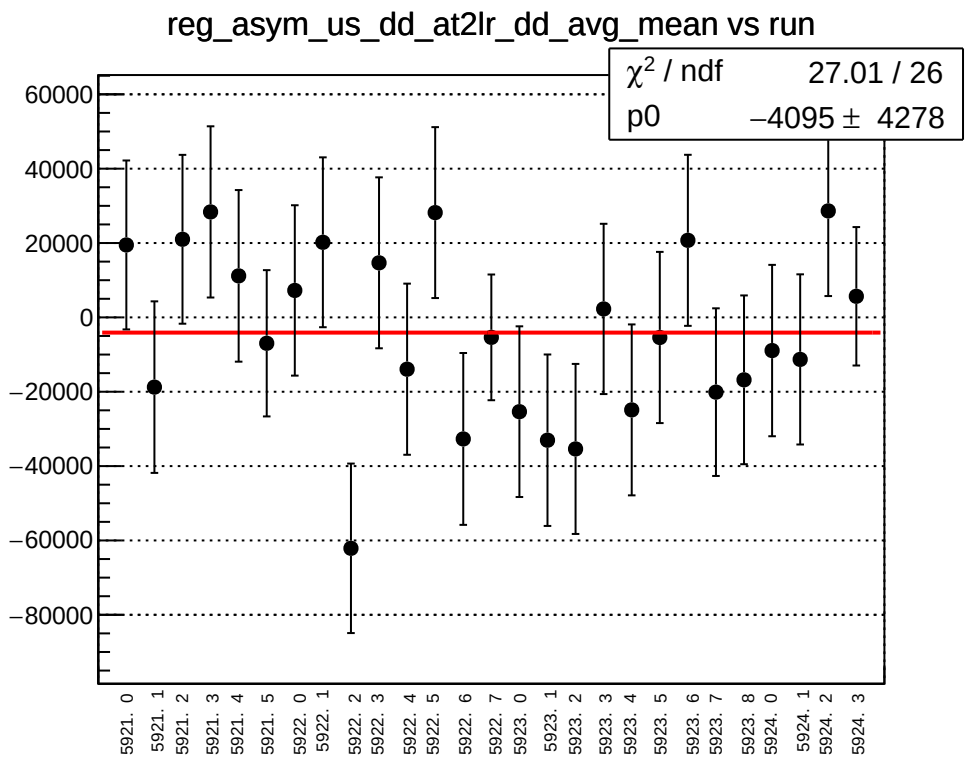

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 18.81 / 26
p0 0.02718 ± 0.07061
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 14.31
Std Dev 0
pull1D
Entries 27
Mean −0.0655
Std Dev 0.8321
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

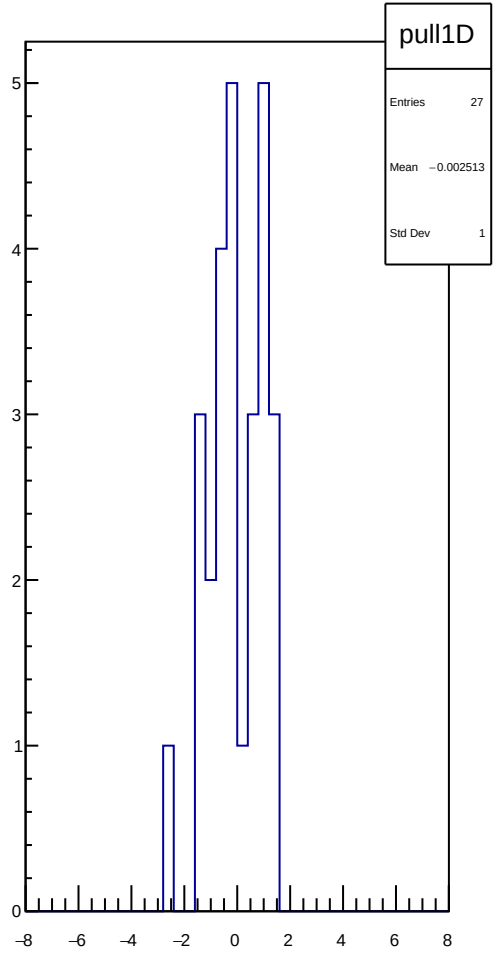

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.327e+04 / 26
p0 32.88 ± 0.04993
80
70
60
50
40
30
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

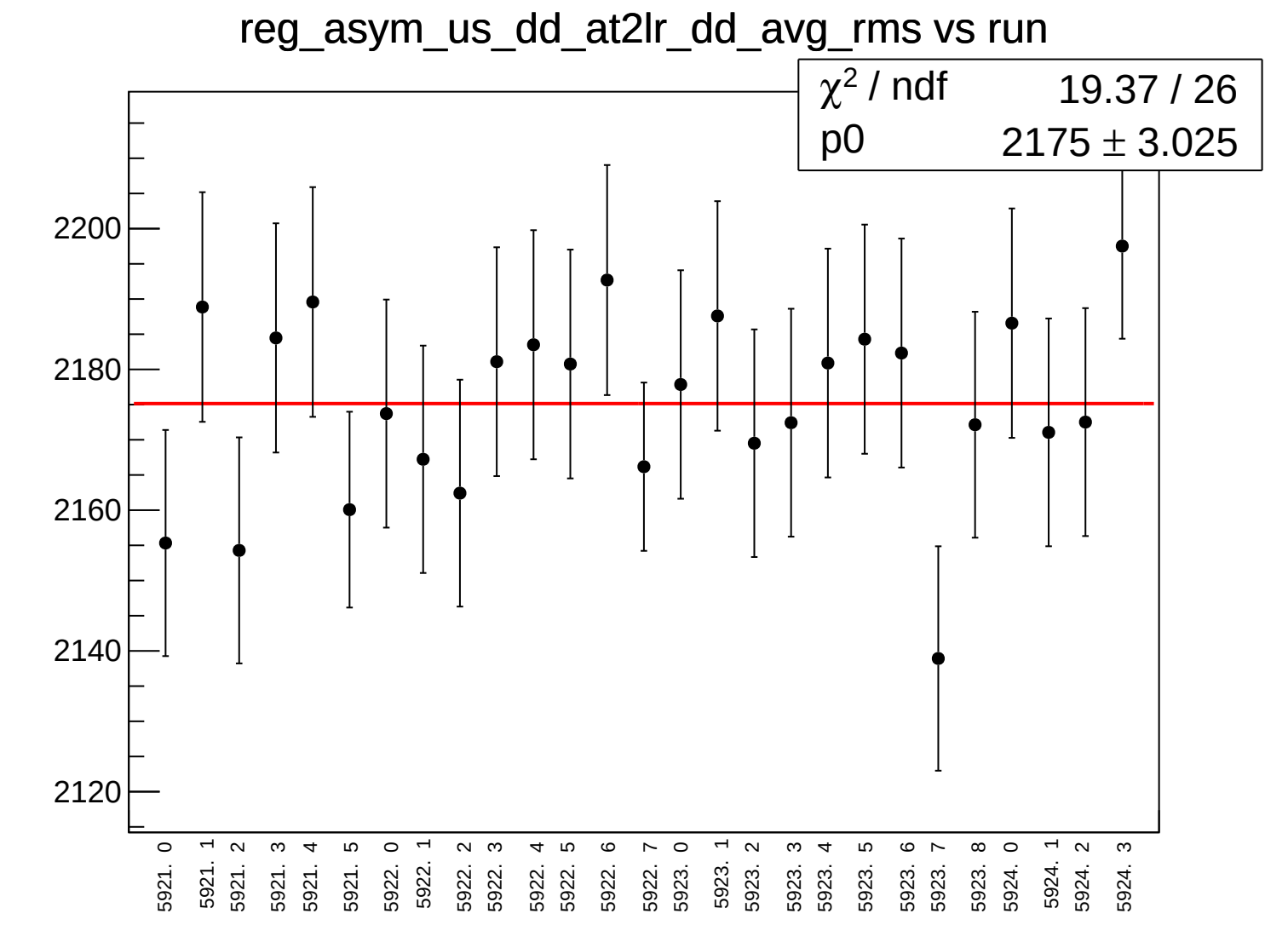

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 19.92 / 26
p0 −1.263e−13 ± 8.514e−14
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 21.46
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1

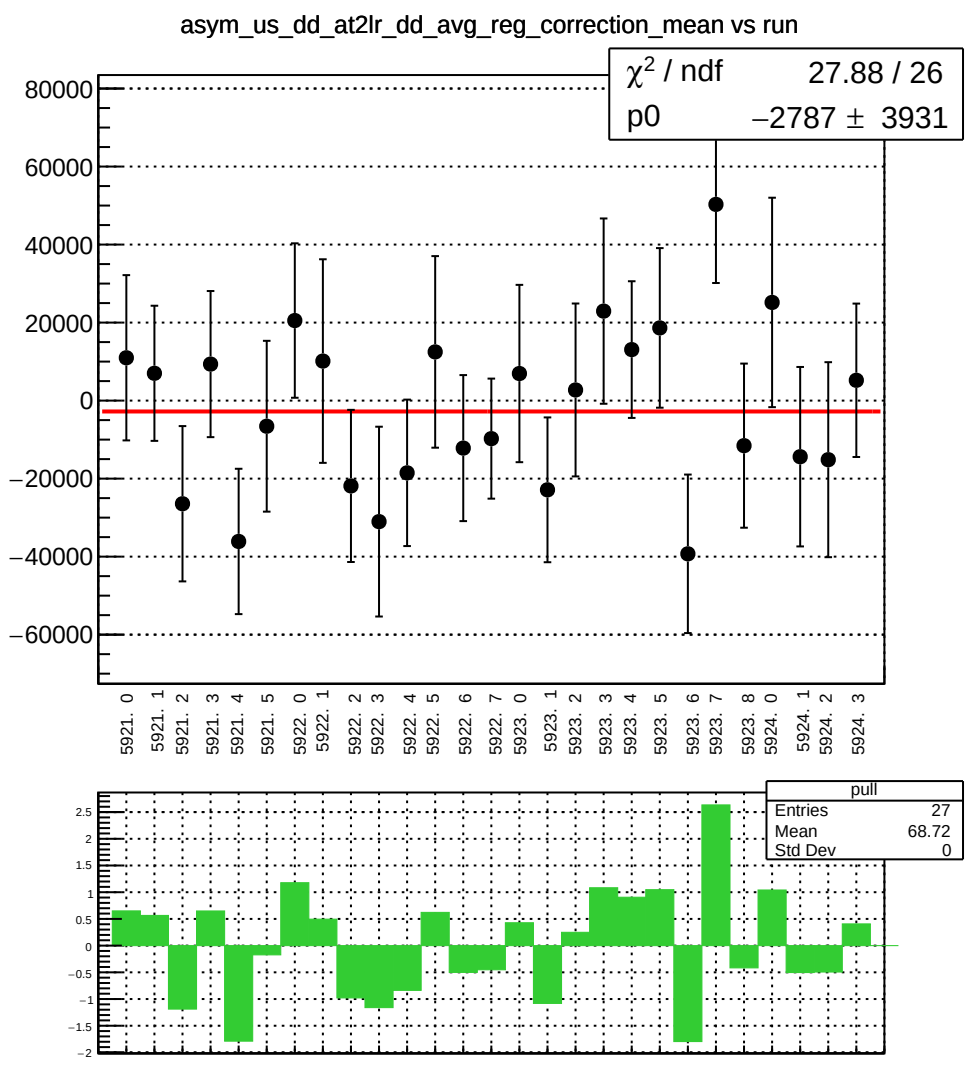

pull1D
Entries 27
Mean −0.03106
Std Dev 0.8583
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

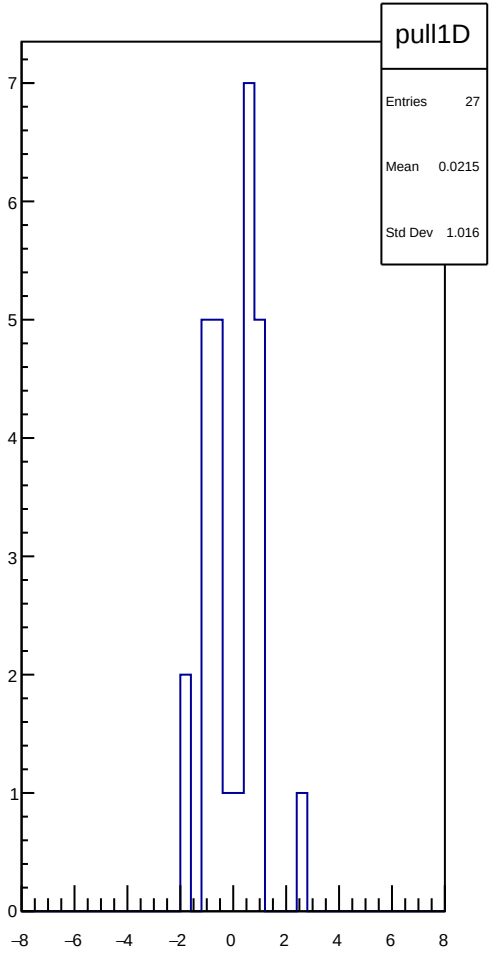

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.099e+05 / 26
p0 3.842e−11 ± 6.02e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

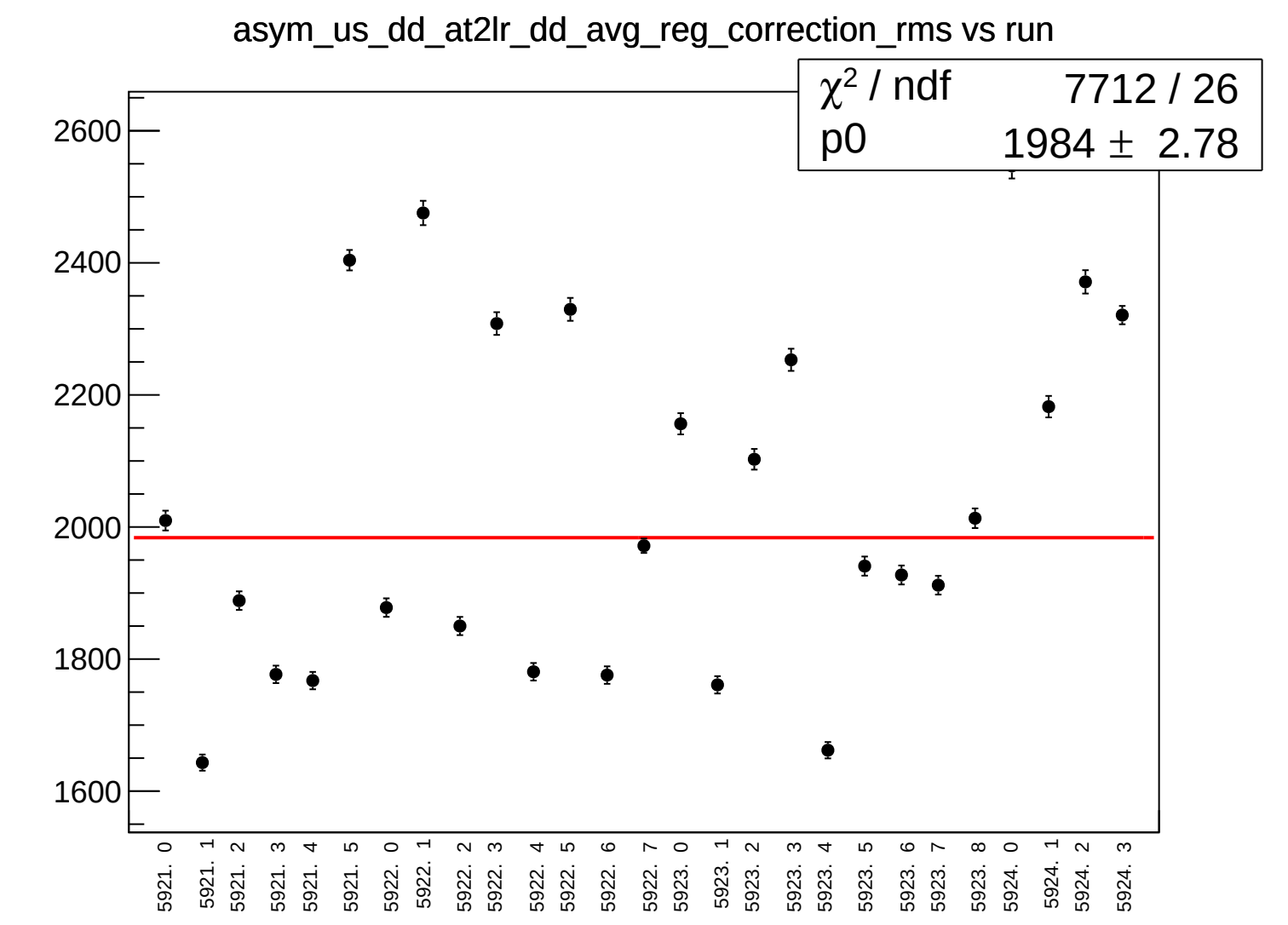

reg_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 27.01 / 26
p0 −4095 ± 4278
60000
40000
20000
0
−20000
−40000
−60000
−80000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 509
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

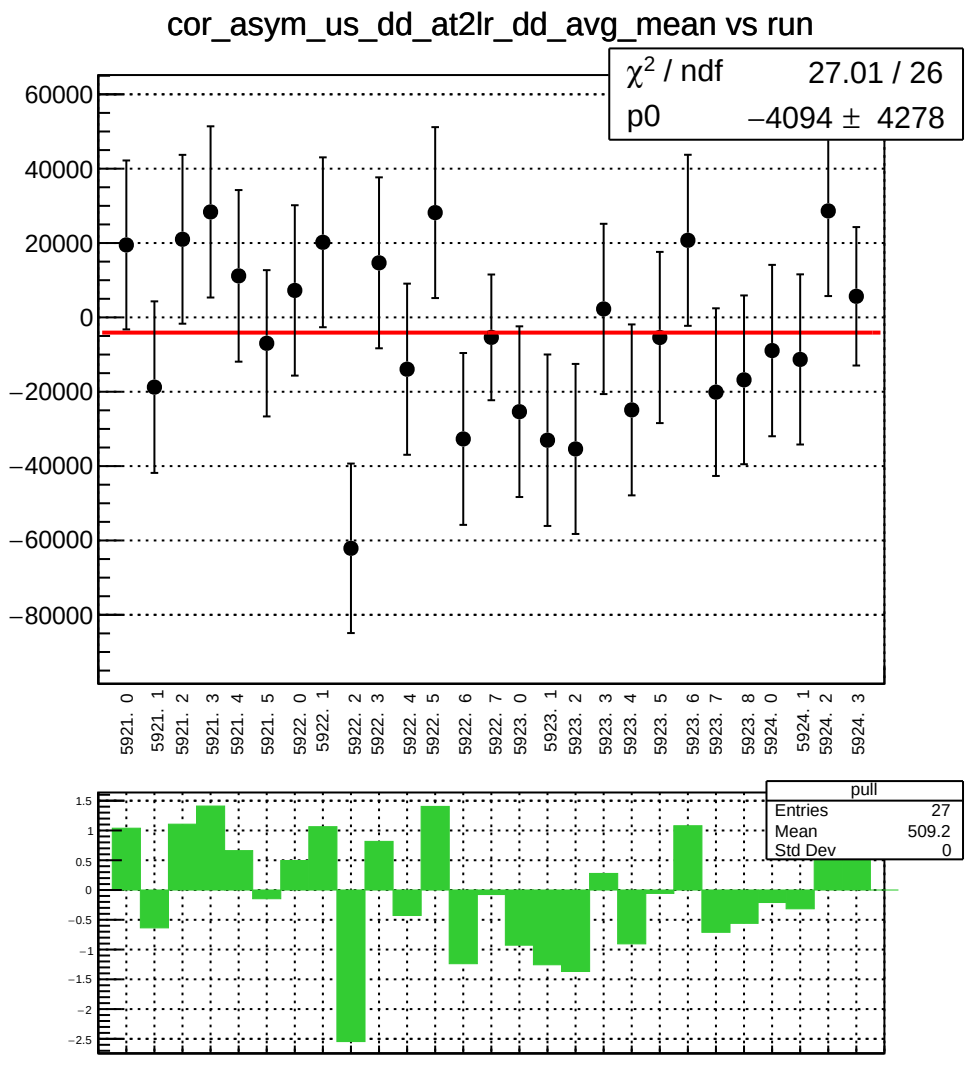

pull1D
Entries 27
Mean −0.002513
Std Dev 1
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

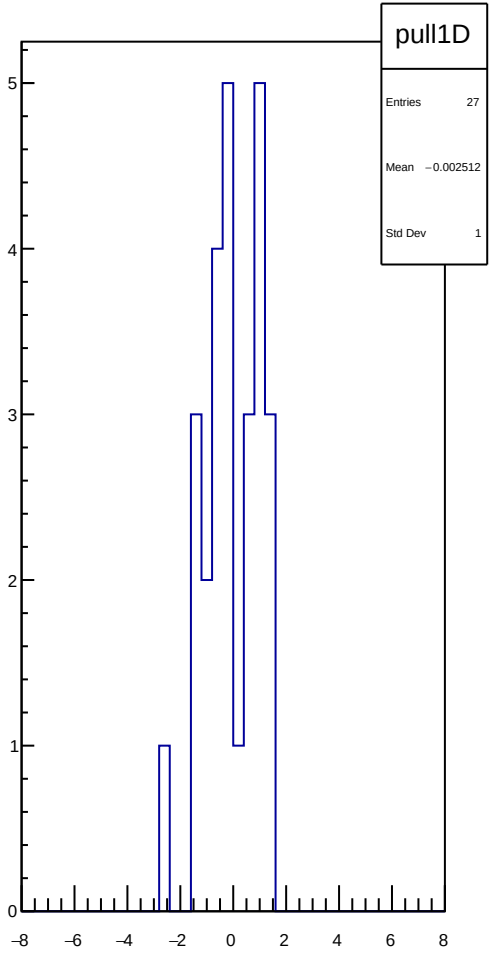

reg_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 19.37 / 26
p0 2175 ± 3.025
2200
2180
2160
2140
2120
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

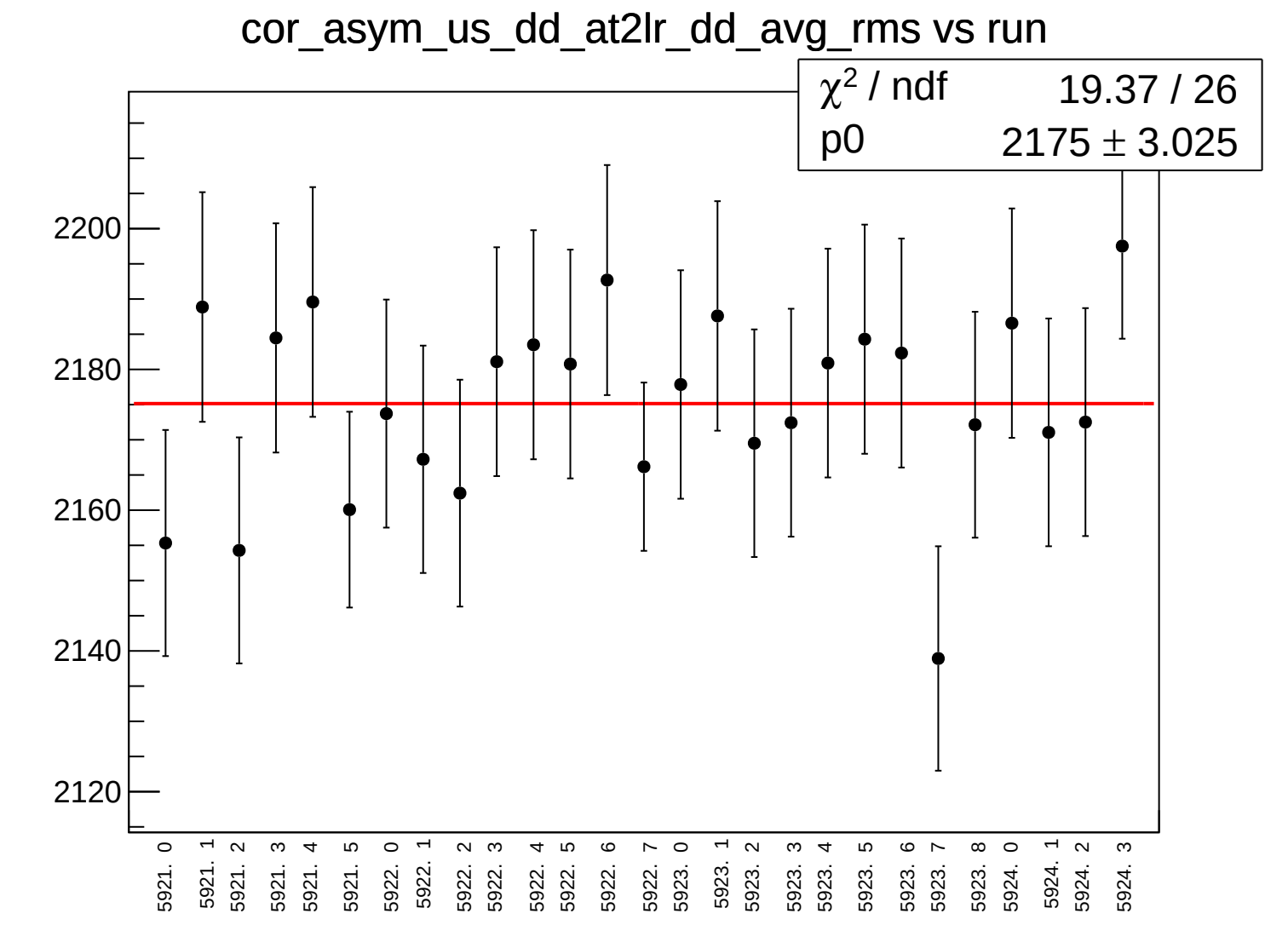

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs run
χ² / ndf 27.88 / 26
p0 −2787 ± 3931
80000
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 68.72
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

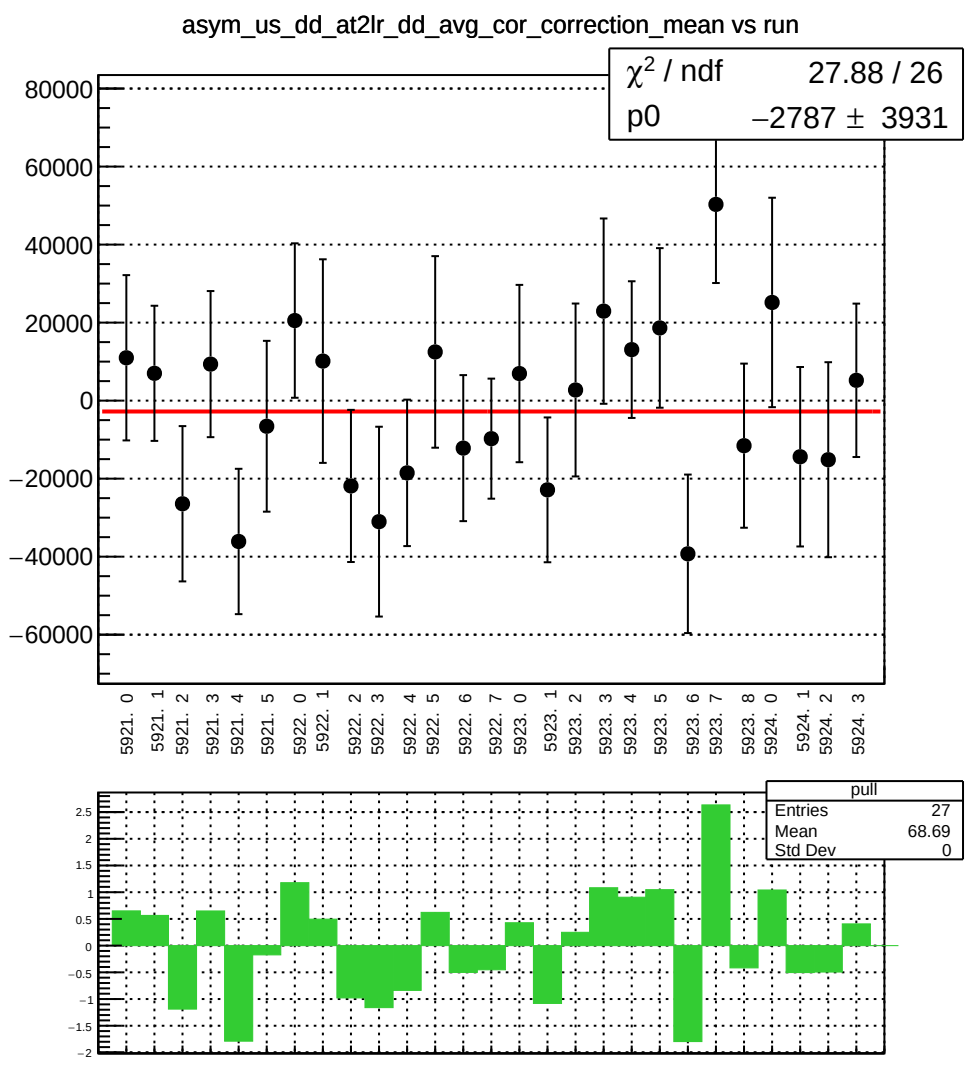

pull1D
Entries 27
Mean 0.0215
Std Dev 1.016
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

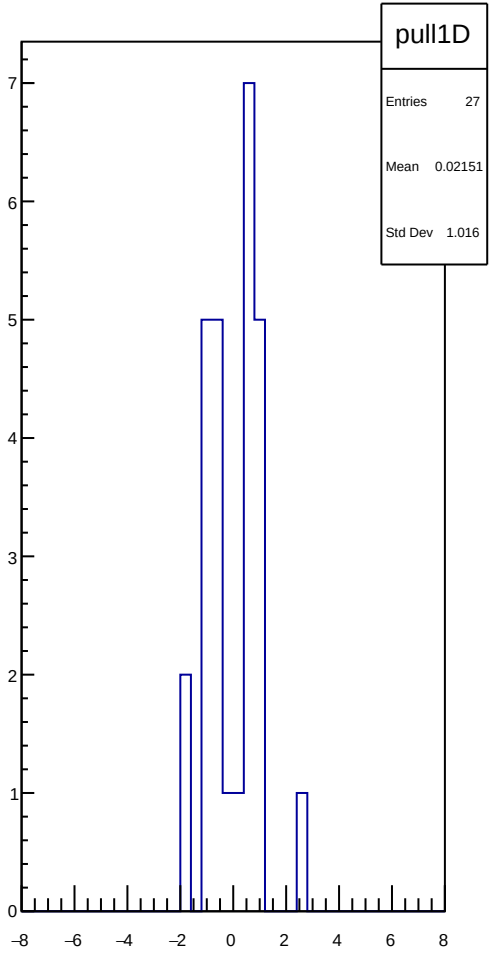

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs run
χ² / ndf 7712 / 26
p0 1984 ± 2.78
2600
2400
2200
2000
1800
1600
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

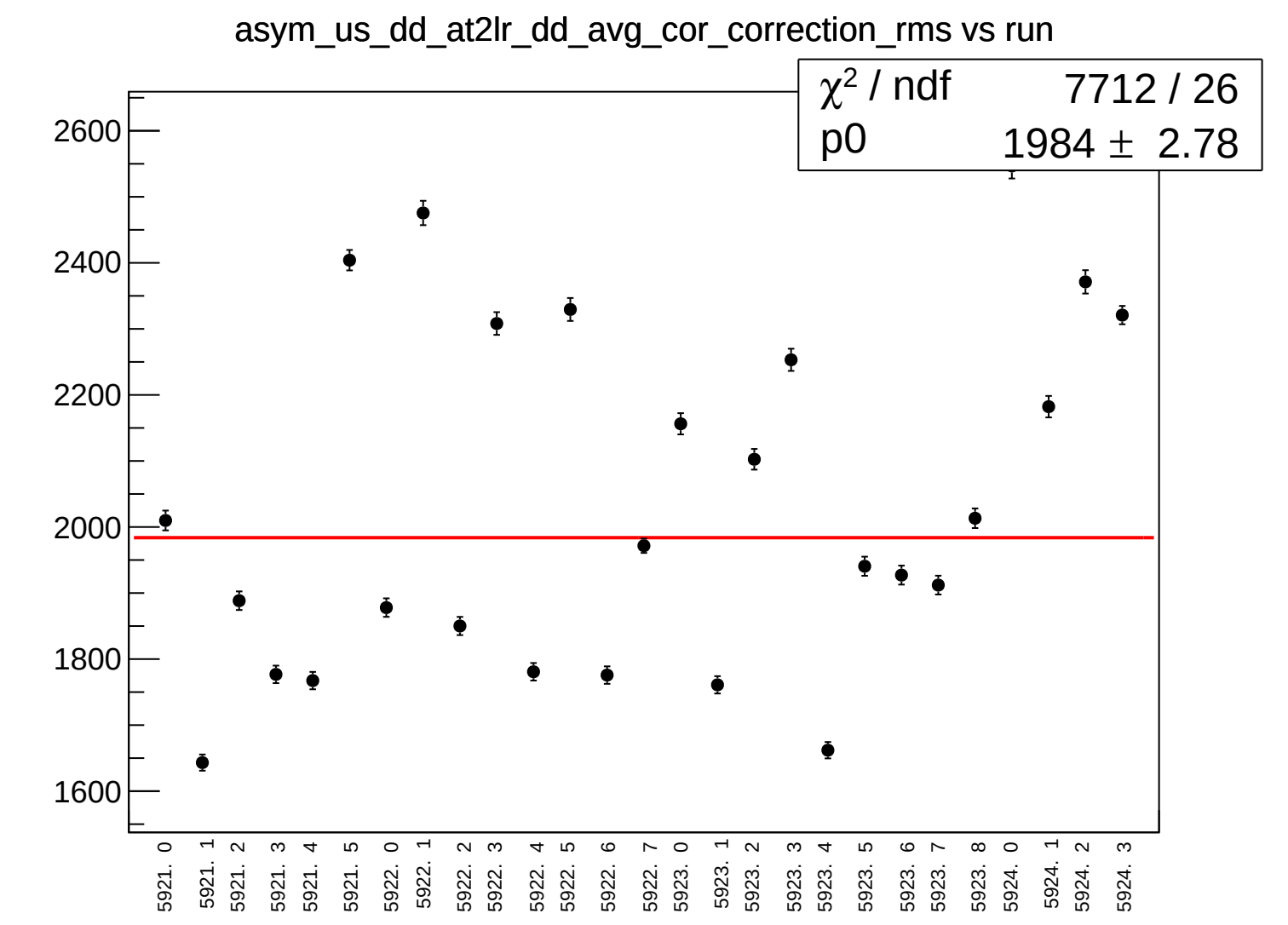

cor_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 27.01 / 26
p0 −4094 ± 4278
60000
40000
20000
0
−20000
−40000
−60000
−80000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 509.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

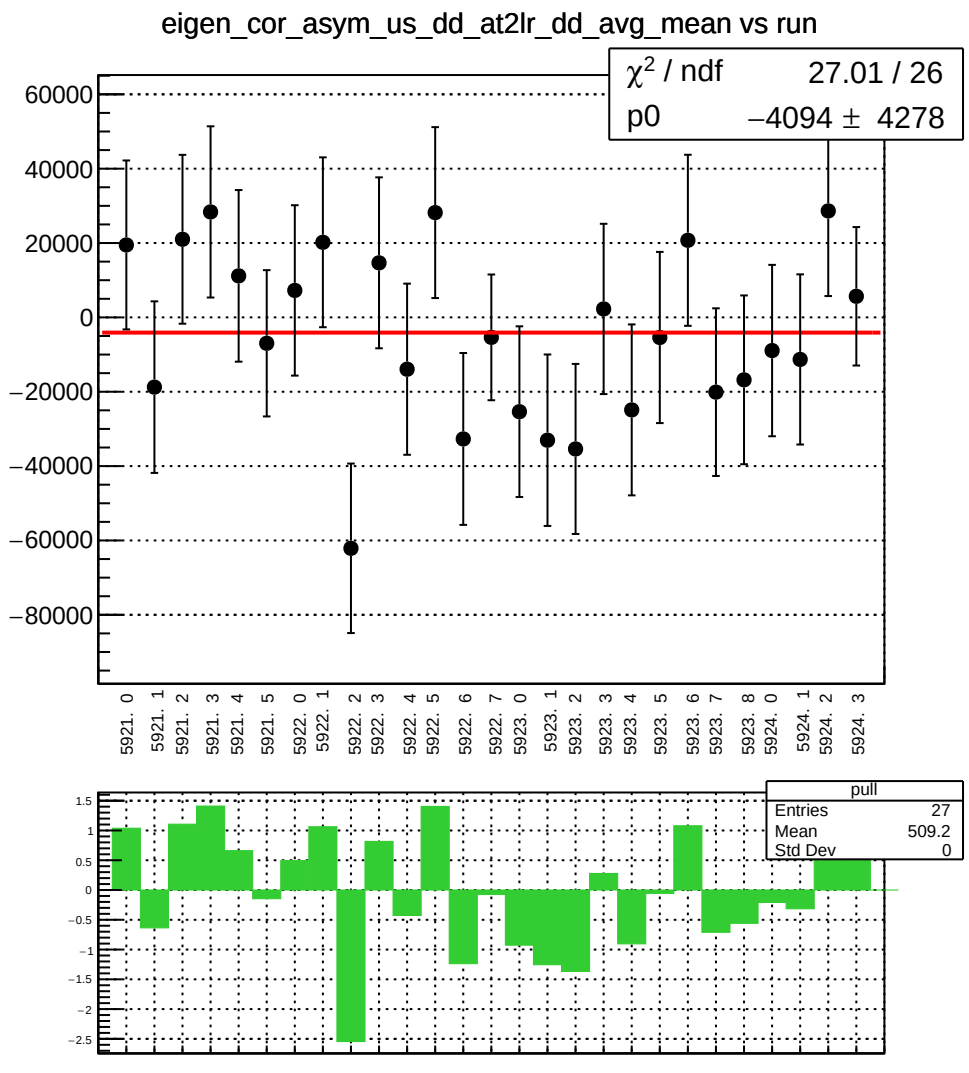

pull1D
Entries 27
Mean −0.002512
Std Dev 1
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

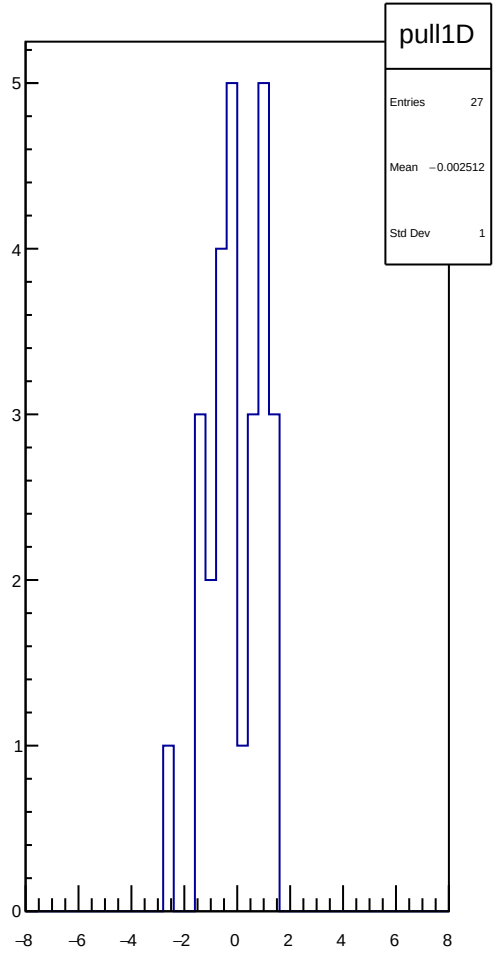

cor_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 19.37 / 26
p0 2175 ± 3.025
2200
2180
2160
2140
2120
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

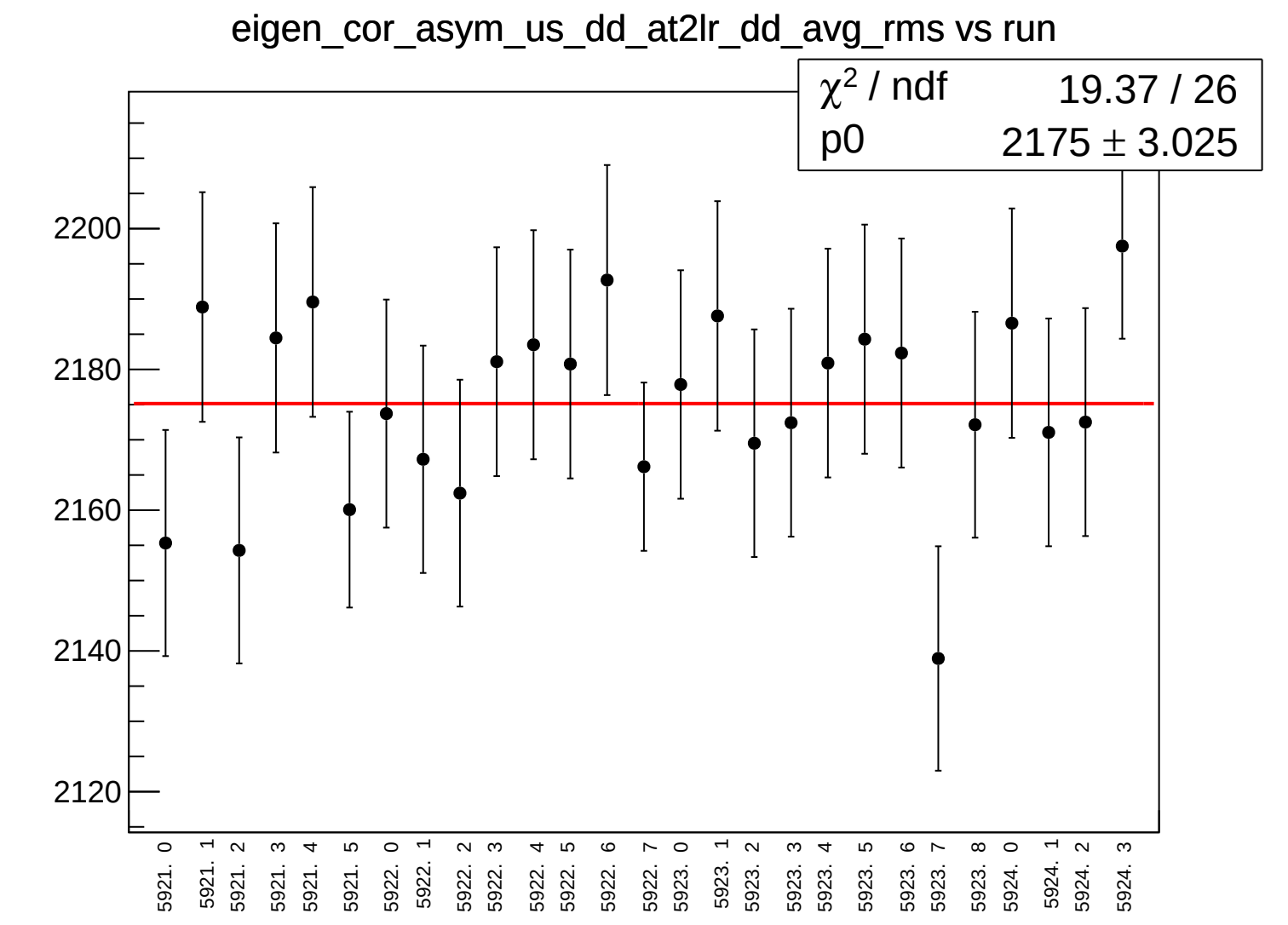

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs run
χ² / ndf 27.88 / 26
p0 −2787 ± 3931
80000
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 68.69
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

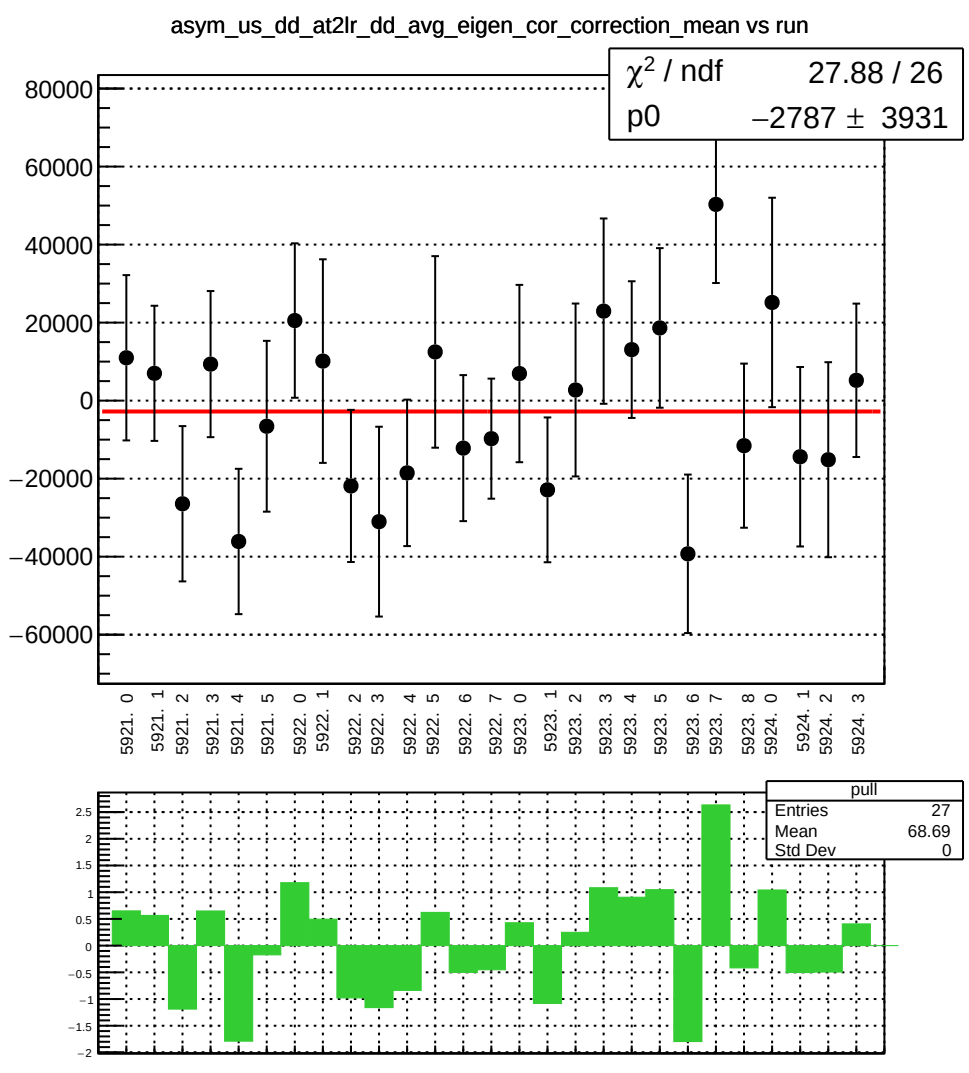

pull1D
Entries 27
Mean 0.02151
Std Dev 1.016
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

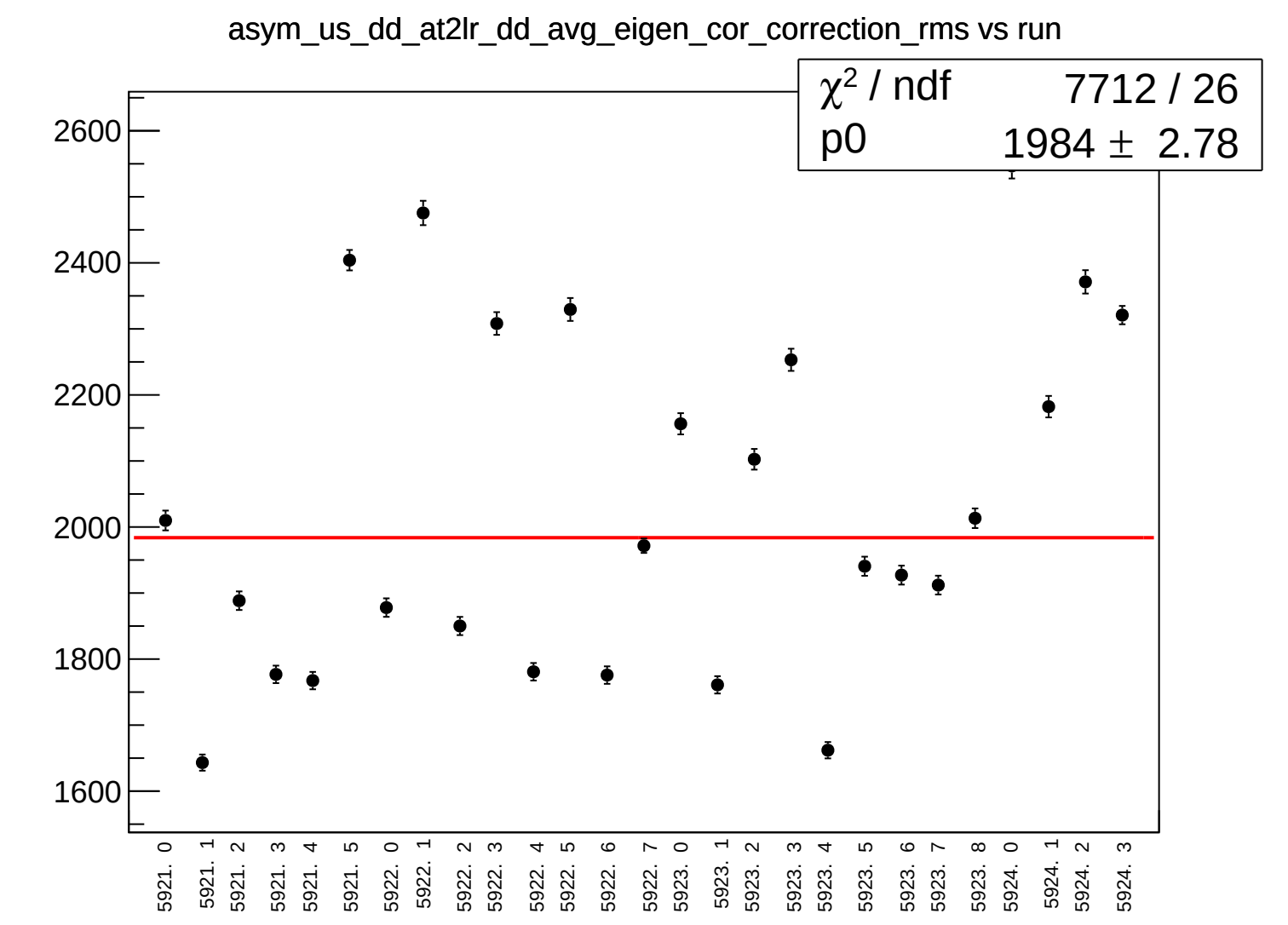

asym_us_dd_at2lr_dd_avg_cor_correction_rms vs run
χ² / ndf 7712 / 26
p0 1984 ± 2.78
2600
2400
2200
2000
1800
1600
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

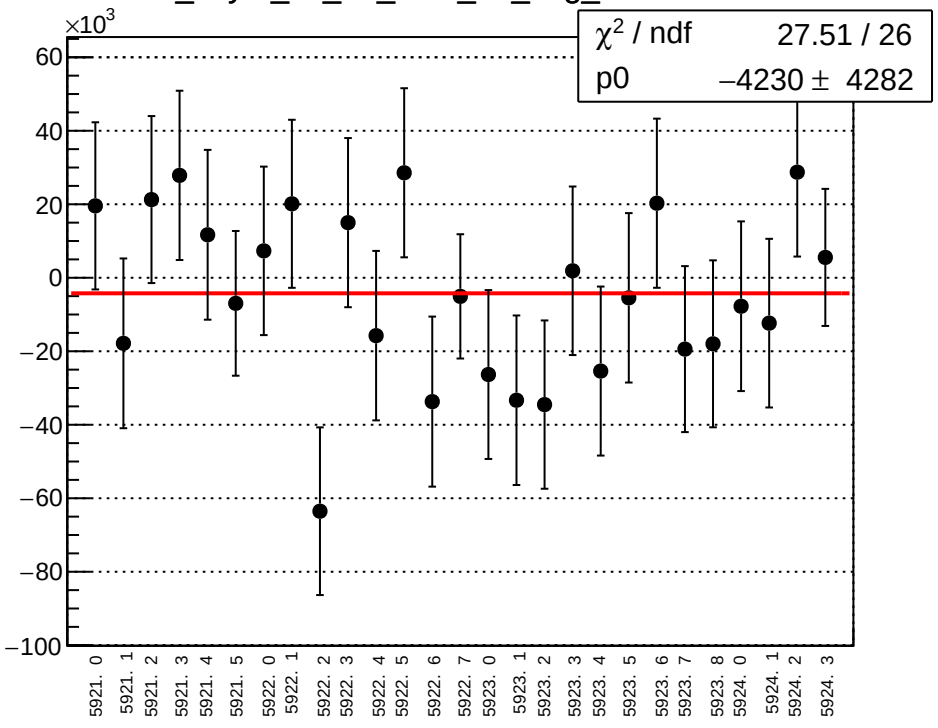

eigen_cor_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 27.01 / 26
p0 −4094 ± 4278
60000
40000
20000
0
−20000
−40000
−60000
−80000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 509.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

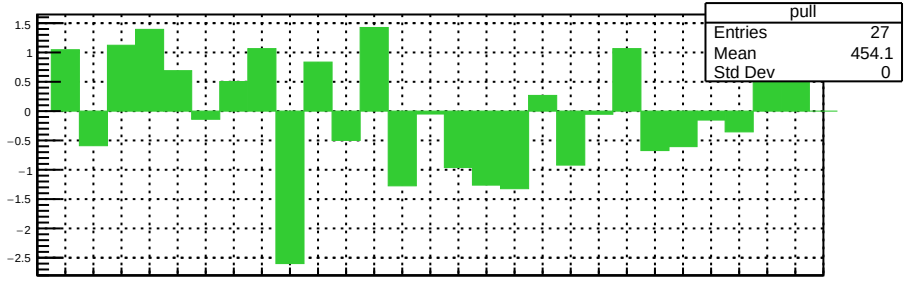

pull1D
Entries 27
Mean −0.002512
Std Dev 1
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

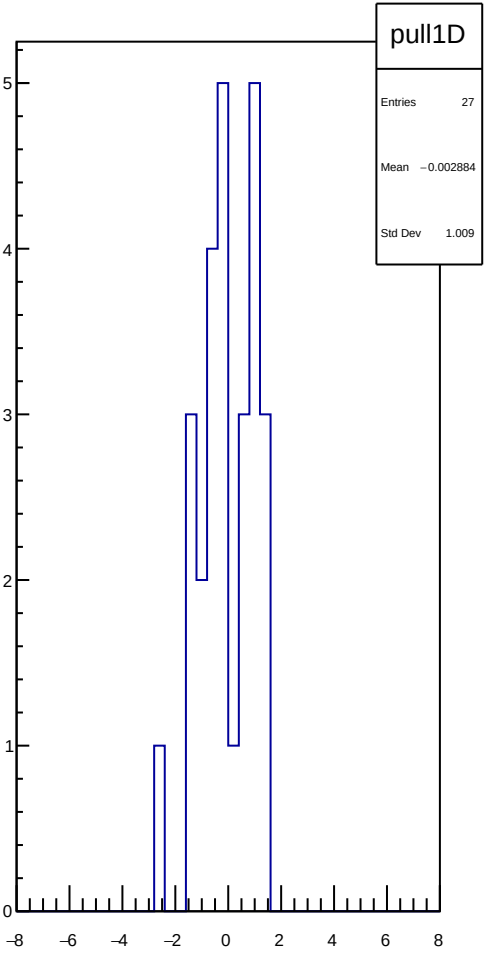

eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 19.37 / 26
p0 2175 ± 3.025
2200
2180
2160
2140
2120
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

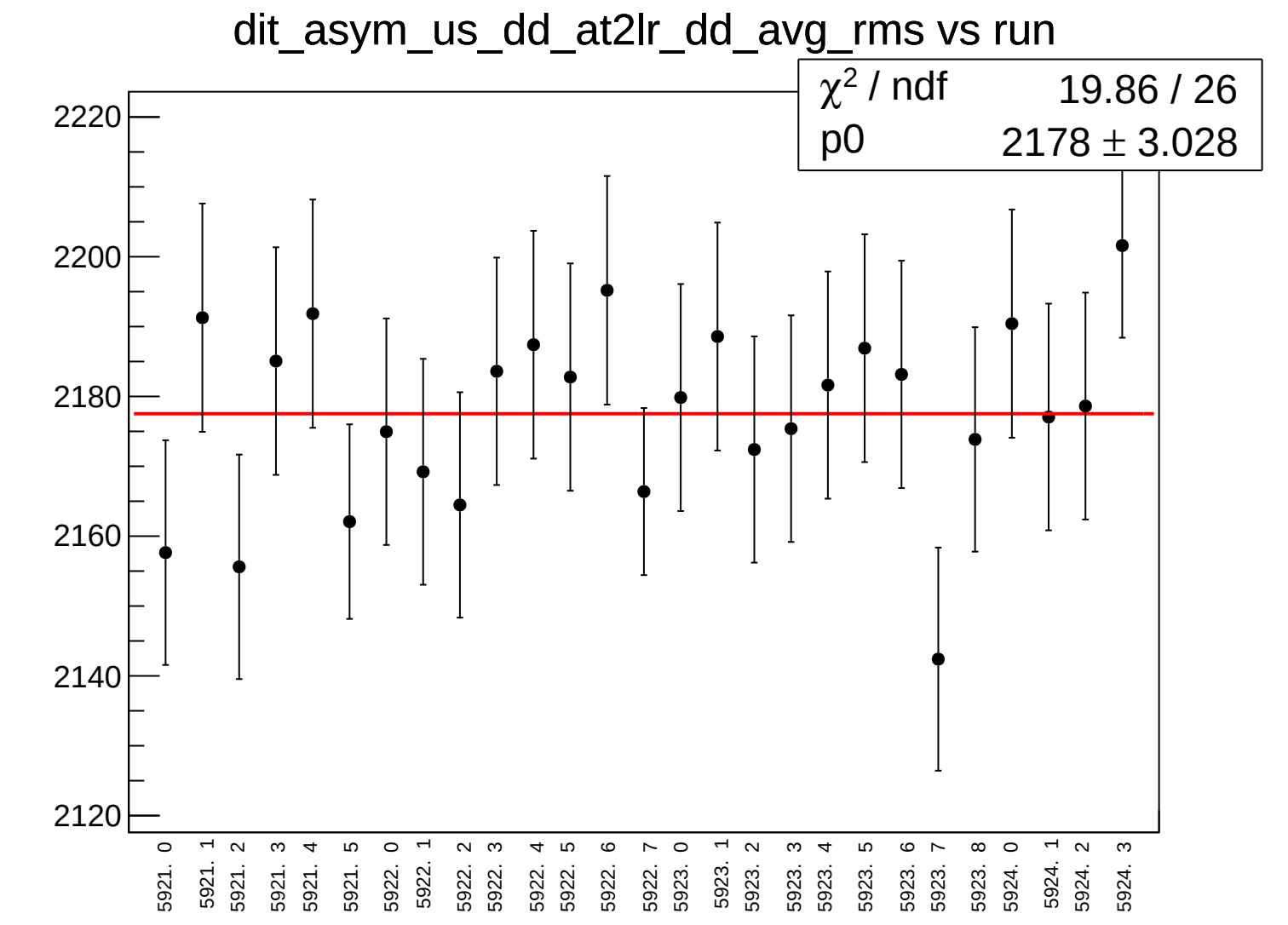

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 27.88 / 26
p0 −2787 ± 3931
80000
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 68.69
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean 0.02151
Std Dev 1.016
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

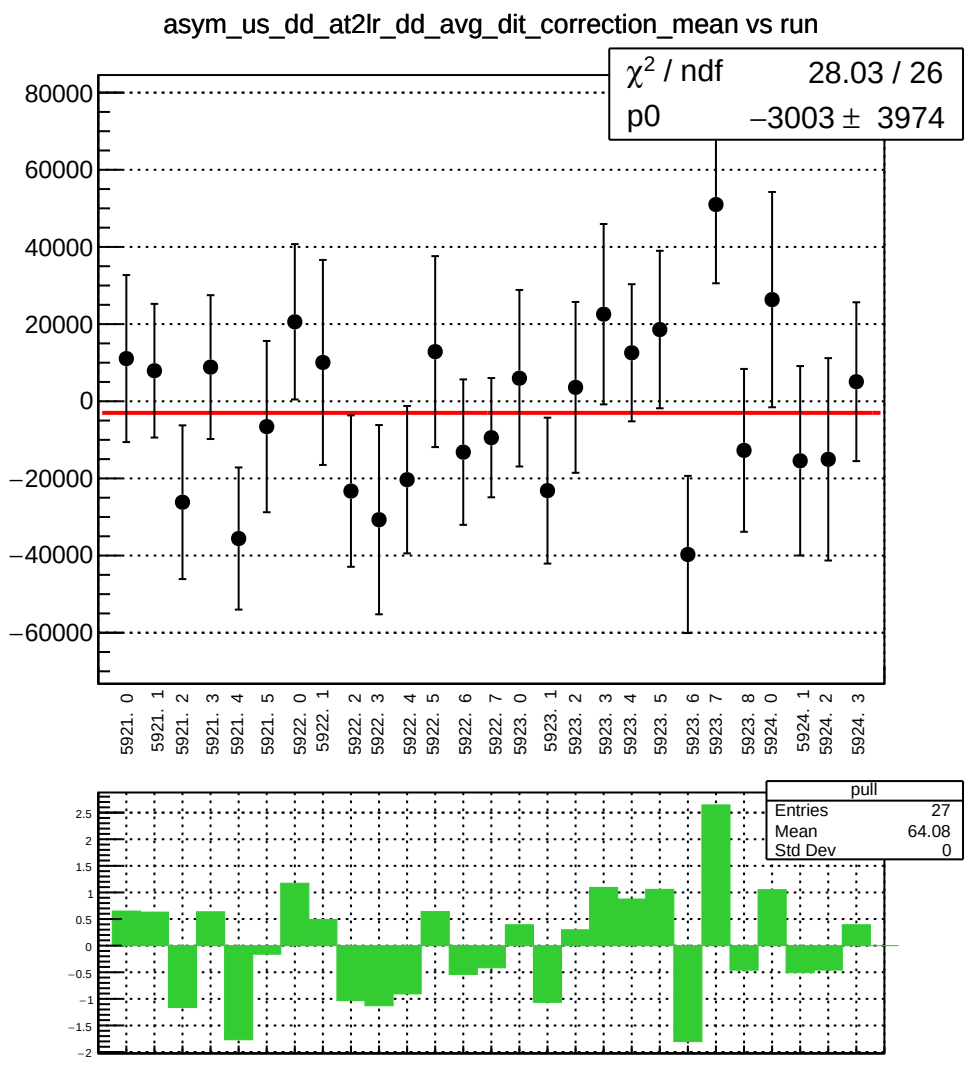

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 7712 / 26
p0 1984 ± 2.78
2600
2400
2200
2000
1800
1600
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

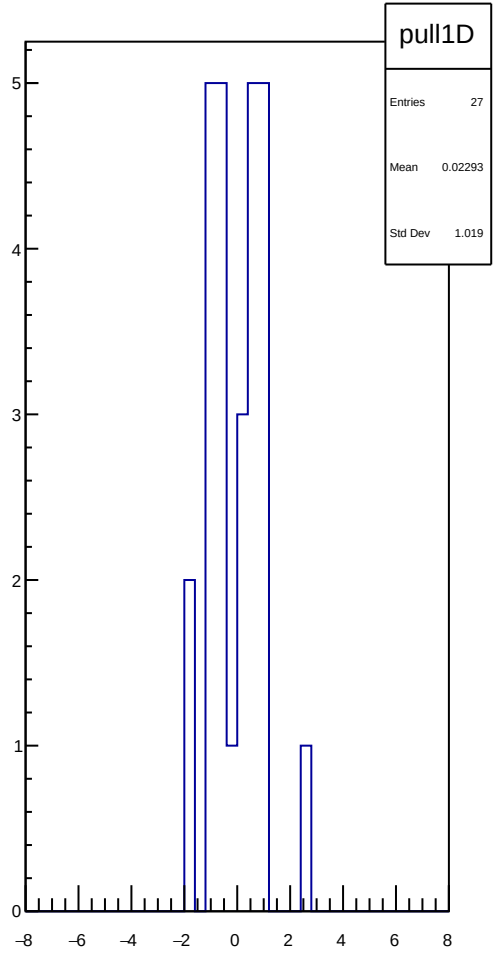

dit_asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ² / ndf 27.51 / 26
p0 −4230 ± 4282
60
40
20
0
−20
−40
−60
−80
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

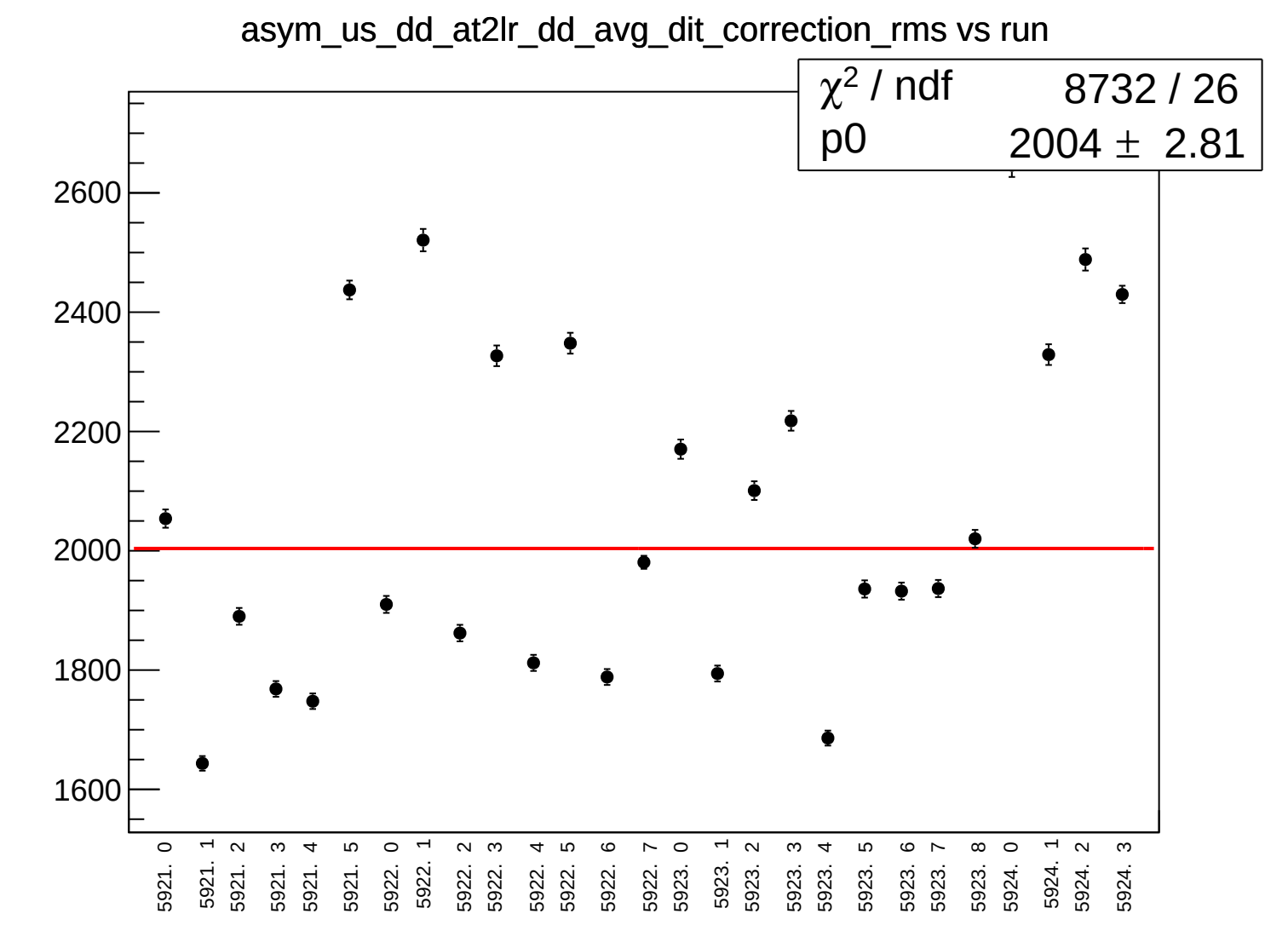

pull
Entries 27
Mean 454.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

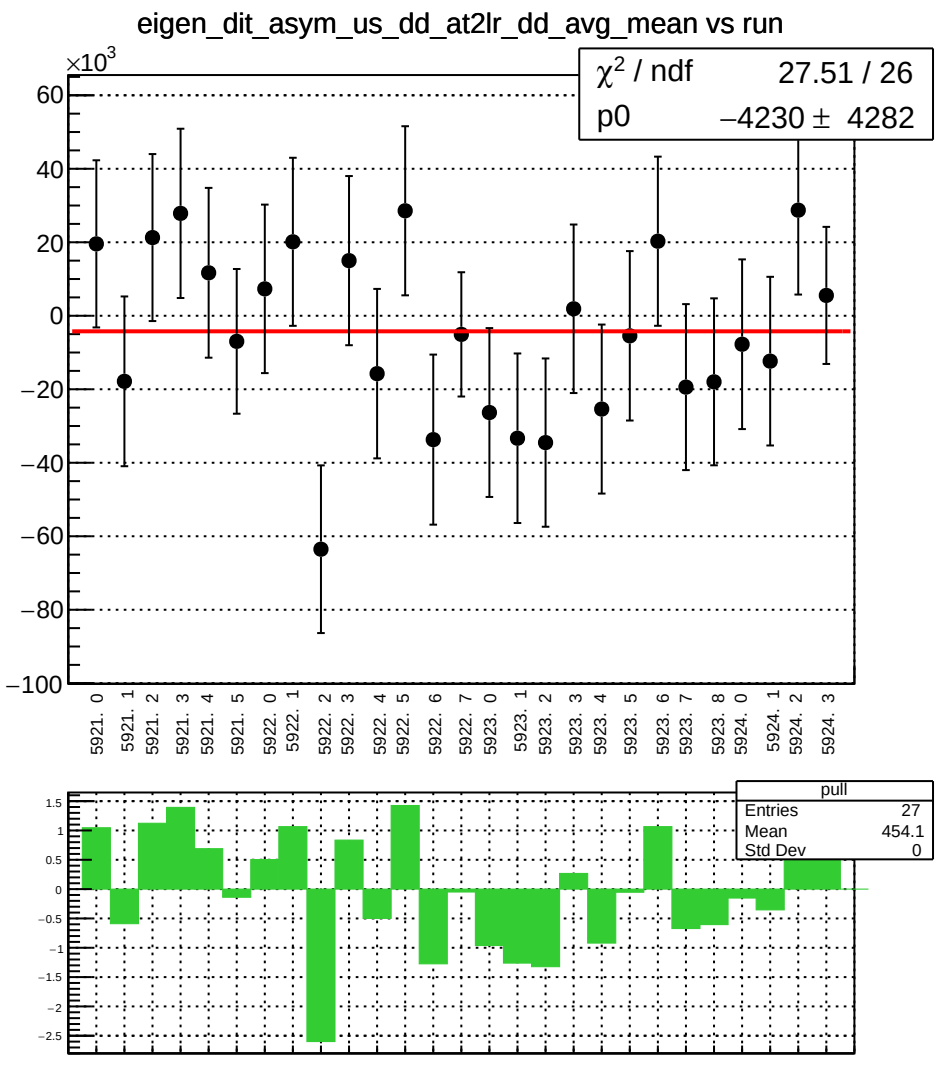

pull1D
Entries 27
Mean −0.002884
Std Dev 1.009
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

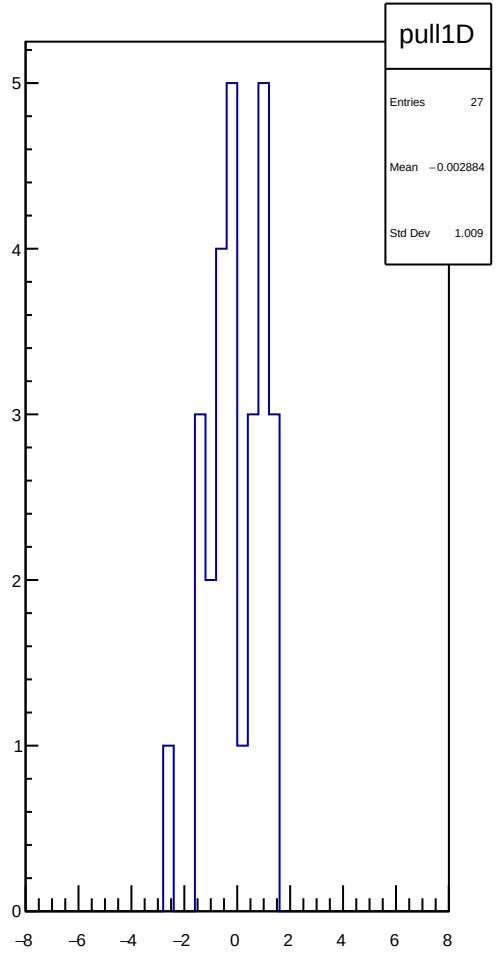

dit_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 19.86 / 26
p0 2178 ± 3.028
2220
2200
2180
2160
2140
2120
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

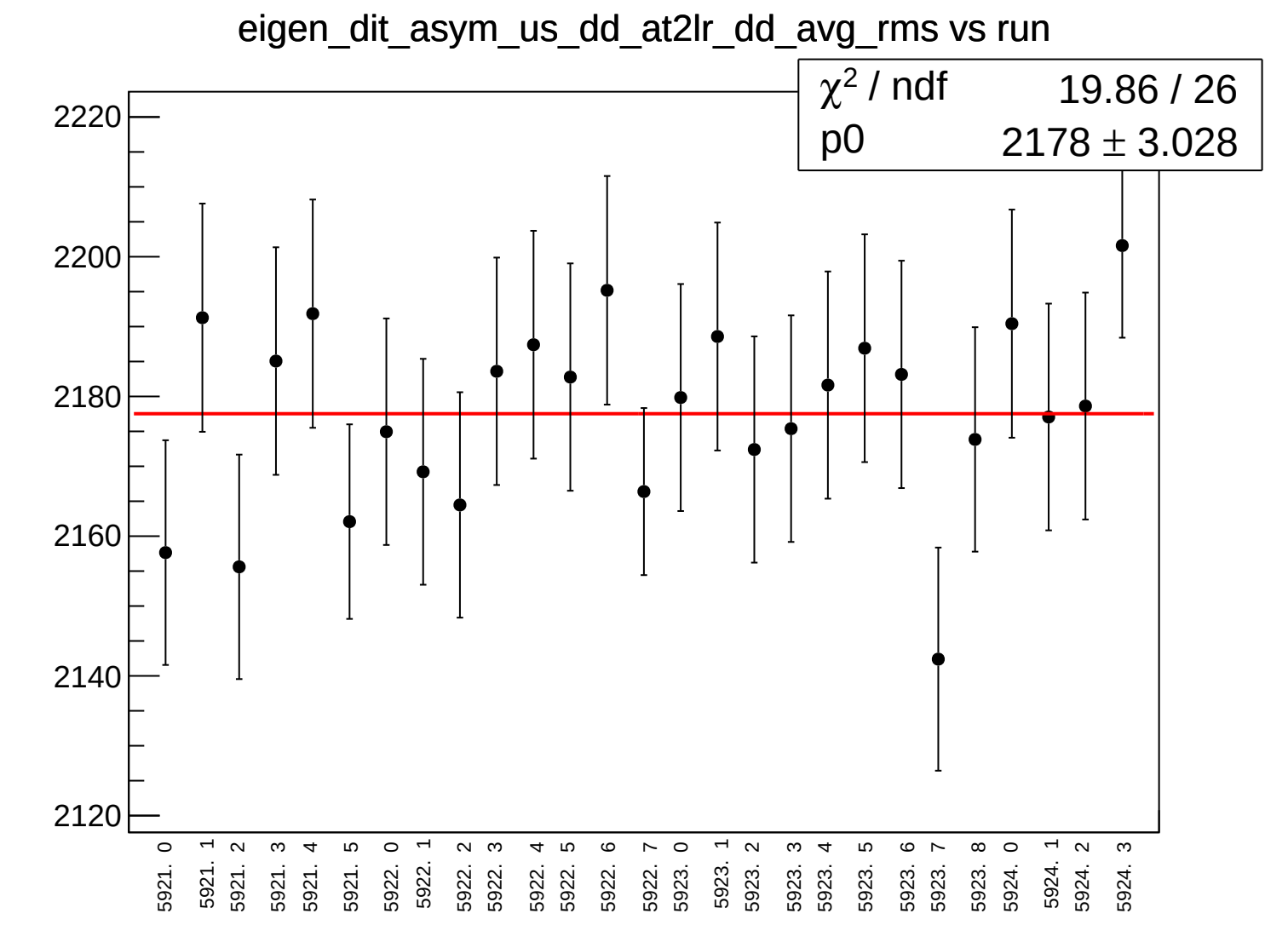

asym_us_dd_at2lr_dd_avg_dit_correction_mean vs run
χ² / ndf 28.03 / 26
p0 −3003 ± 3974
80000
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 64.08
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

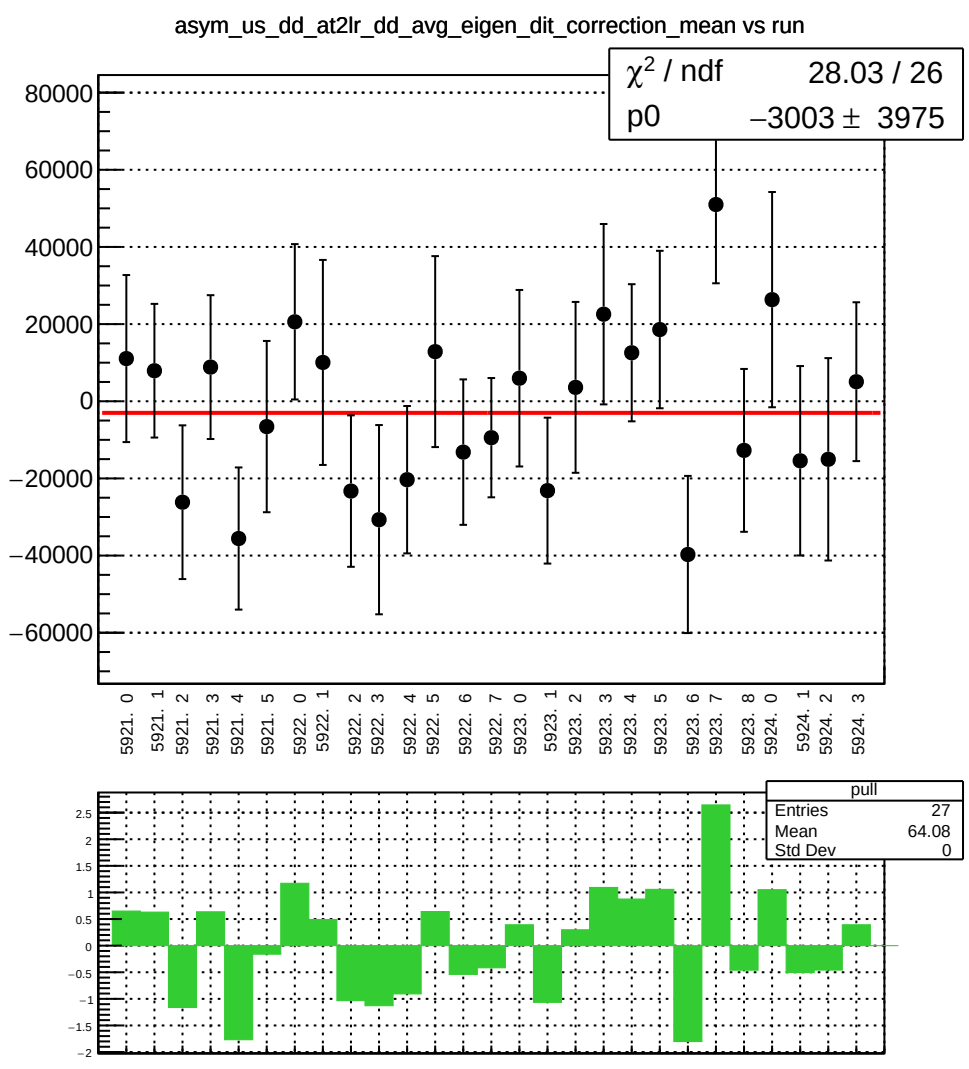

pull1D
Entries 27
Mean 0.02293
Std Dev 1.019
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

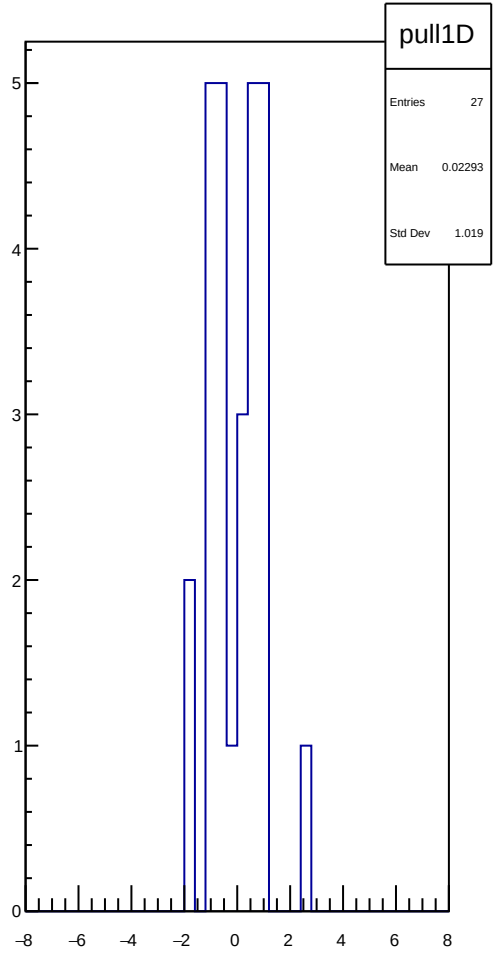

asym_us_dd_at2lr_dd_avg_dit_correction_rms vs run
χ² / ndf 8732 / 26
p0 2004 ± 2.81
2600
2400
2200
2000
1800
1600
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

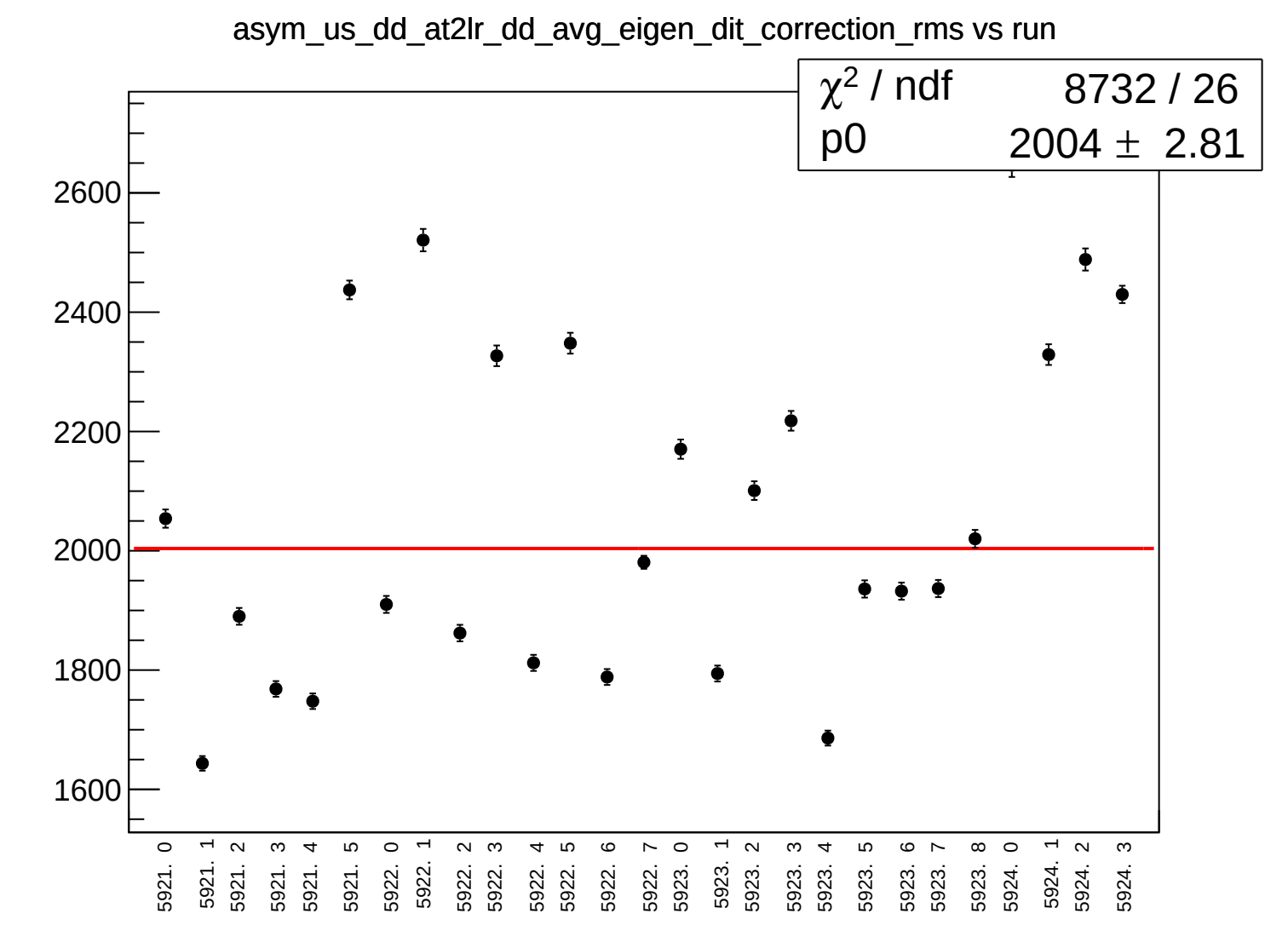

eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ² / ndf 27.51 / 26
p0 −4230 ± 4282
60
40
20
0
−20
−40
−60
−80
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 454.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

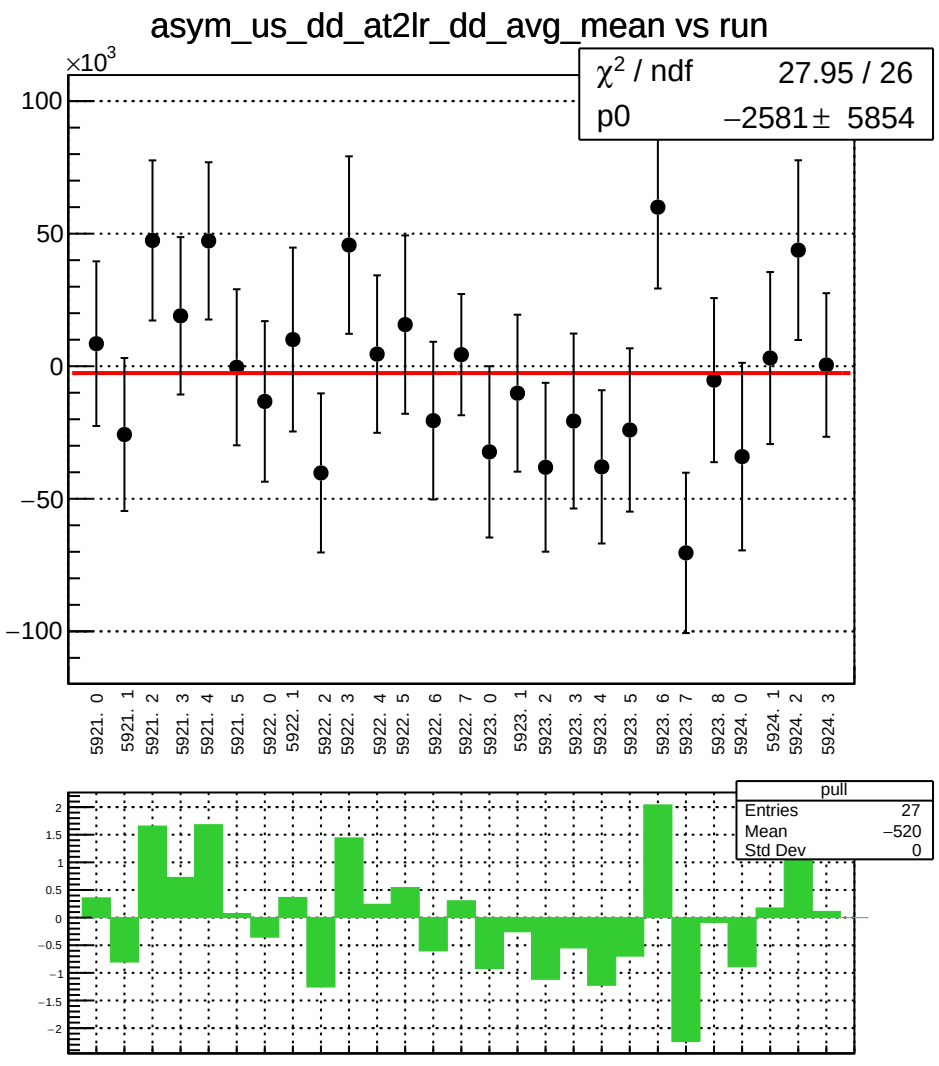

pull1D
Entries 27
Mean −0.002884
Std Dev 1.009
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

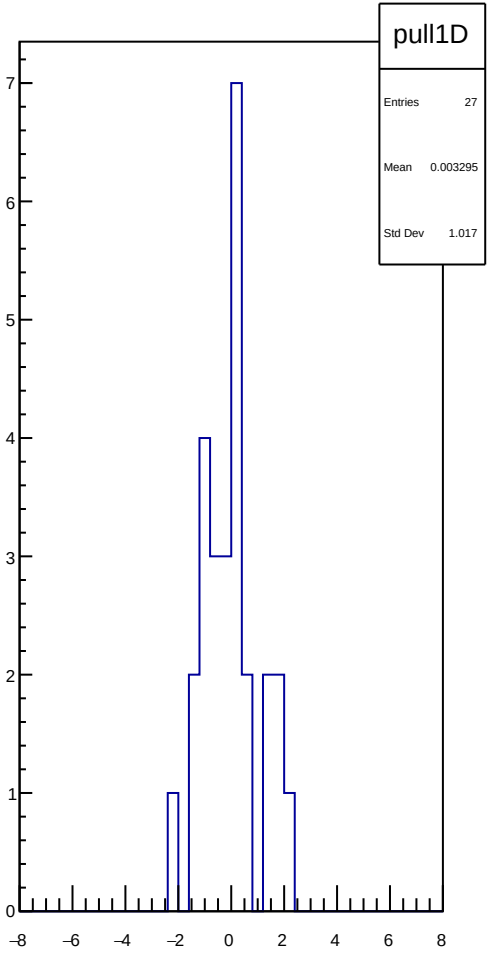

eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 19.86 / 26
p0 2178 ± 3.028
2220
2200
2180
2160
2140
2120
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

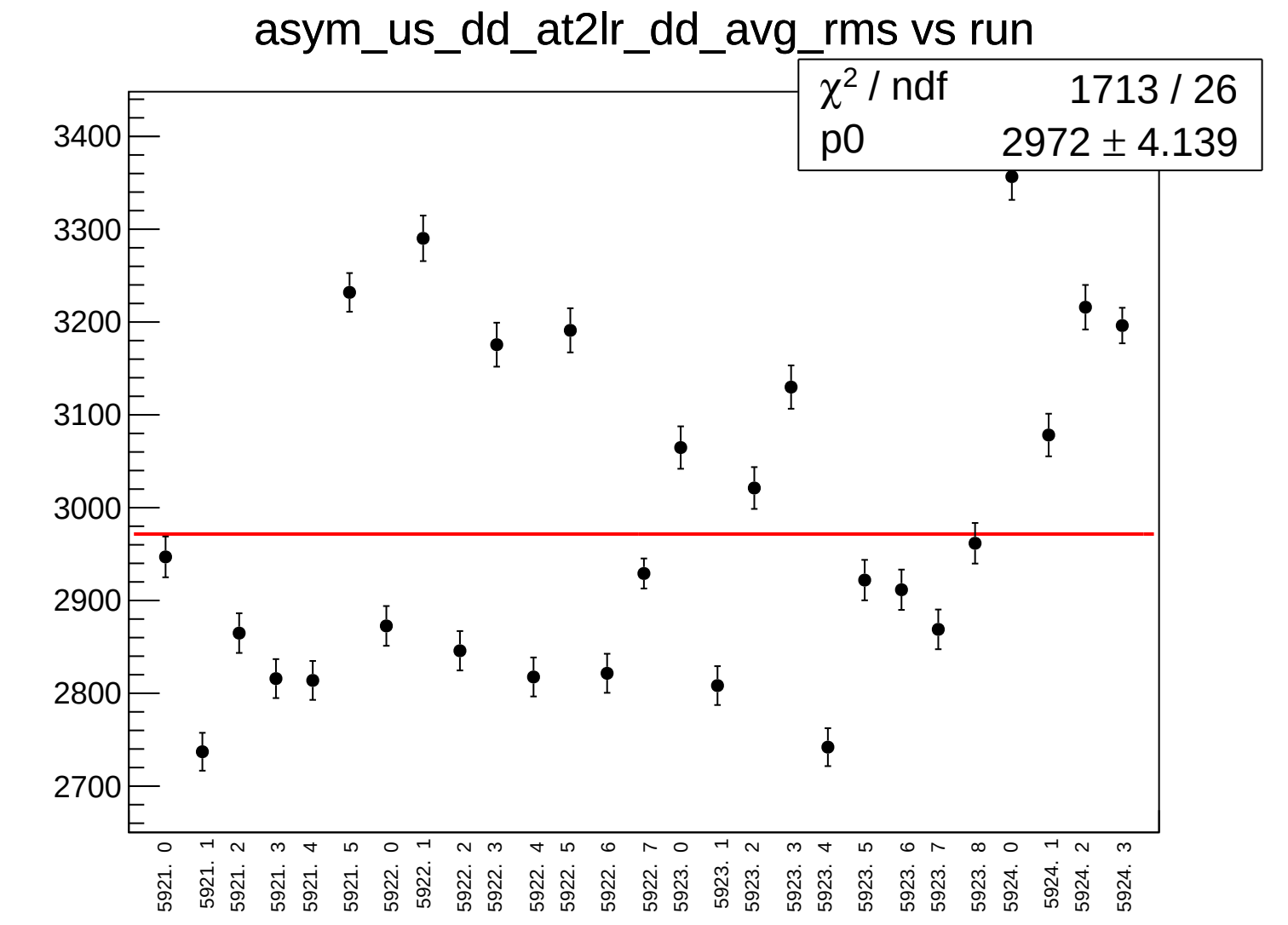

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 28.03 / 26
p0 −3003 ± 3975
80000
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 64.08
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

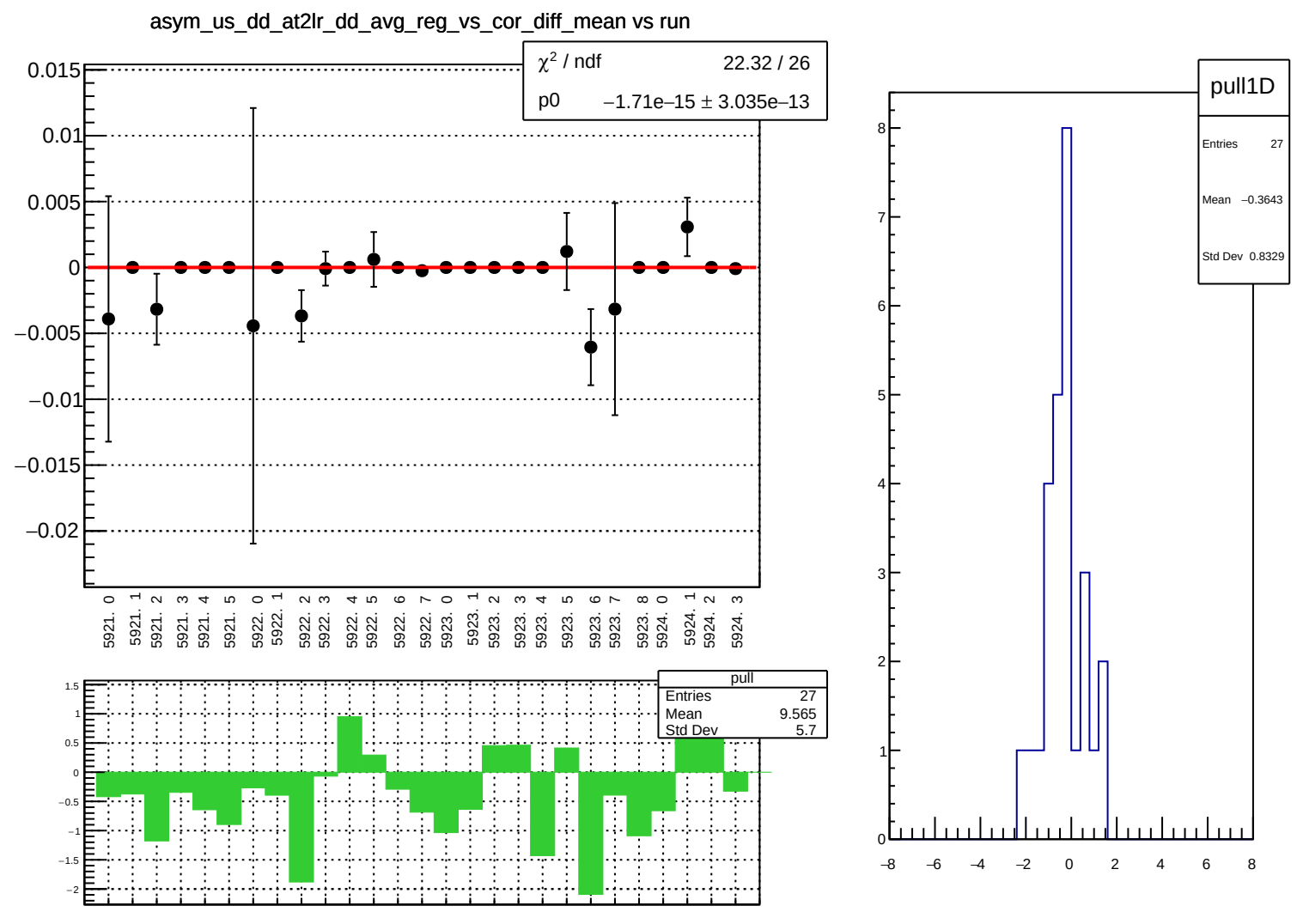

pull1D
Entries 27
Mean 0.02293
Std Dev 1.019
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

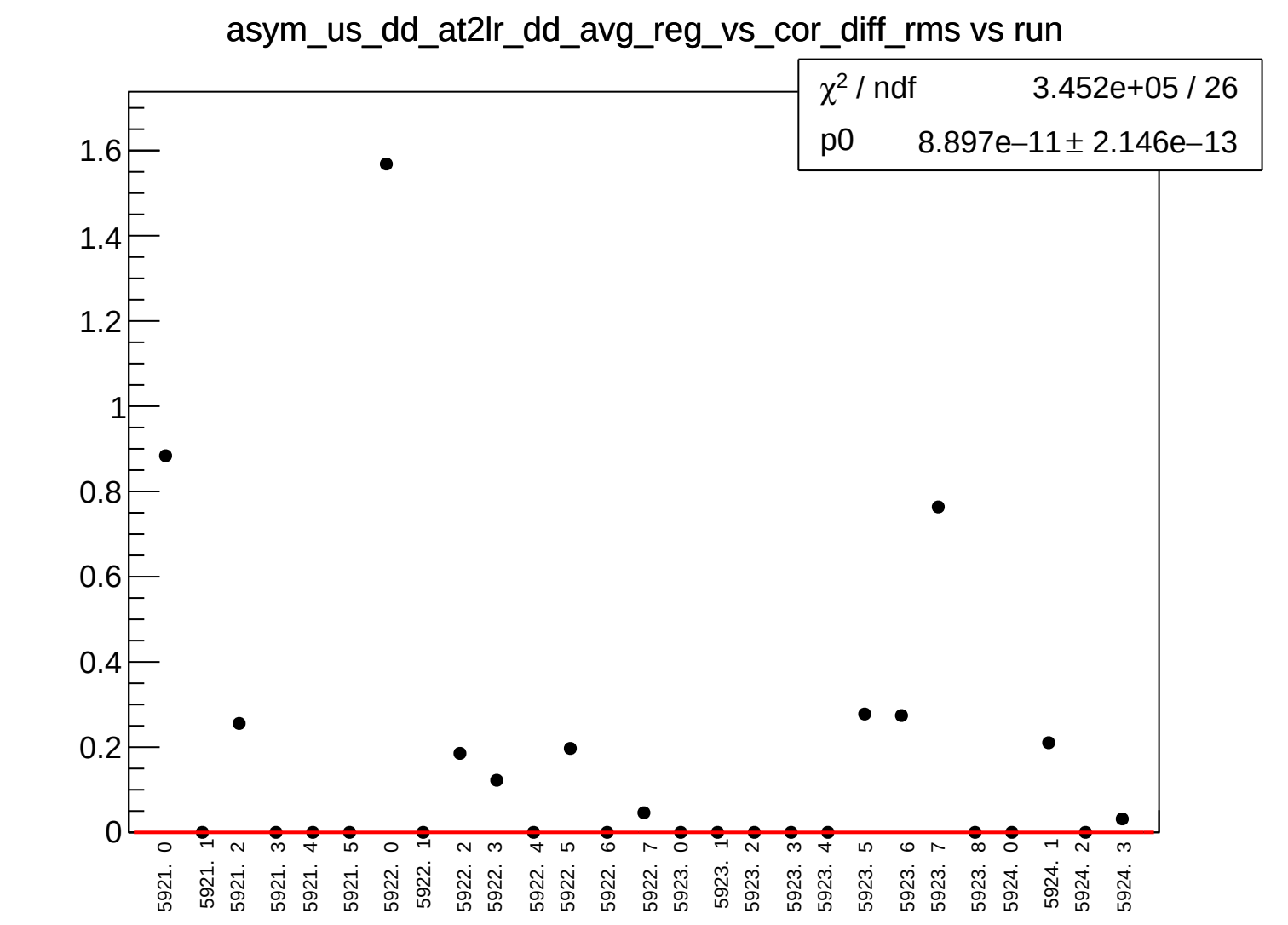

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 8732 / 26
p0 2004 ± 2.81
2600
2400
2200
2000
1800
1600
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

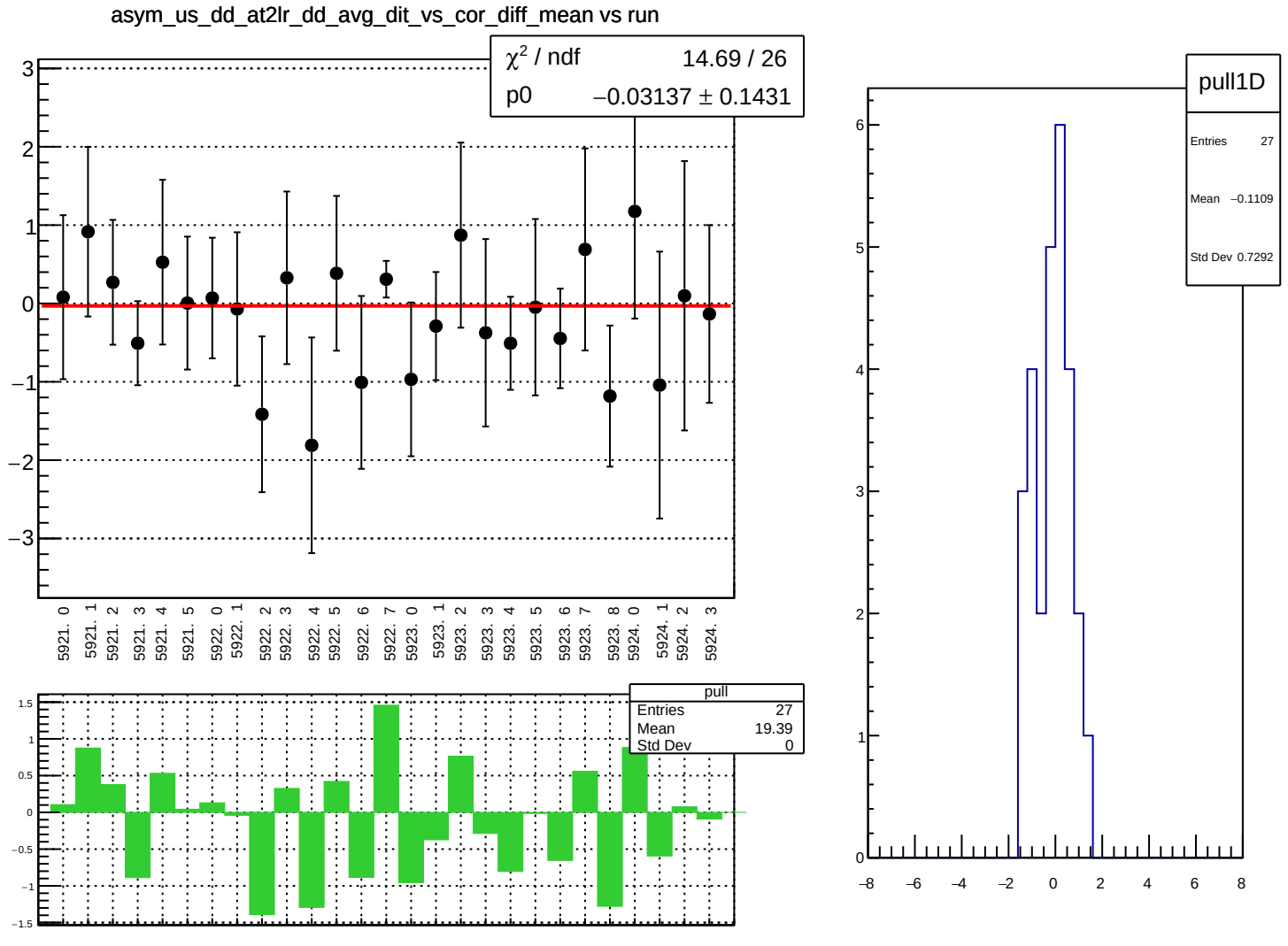

asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ² / ndf 27.95 / 26
p0 −2581 ± 5854
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −520
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

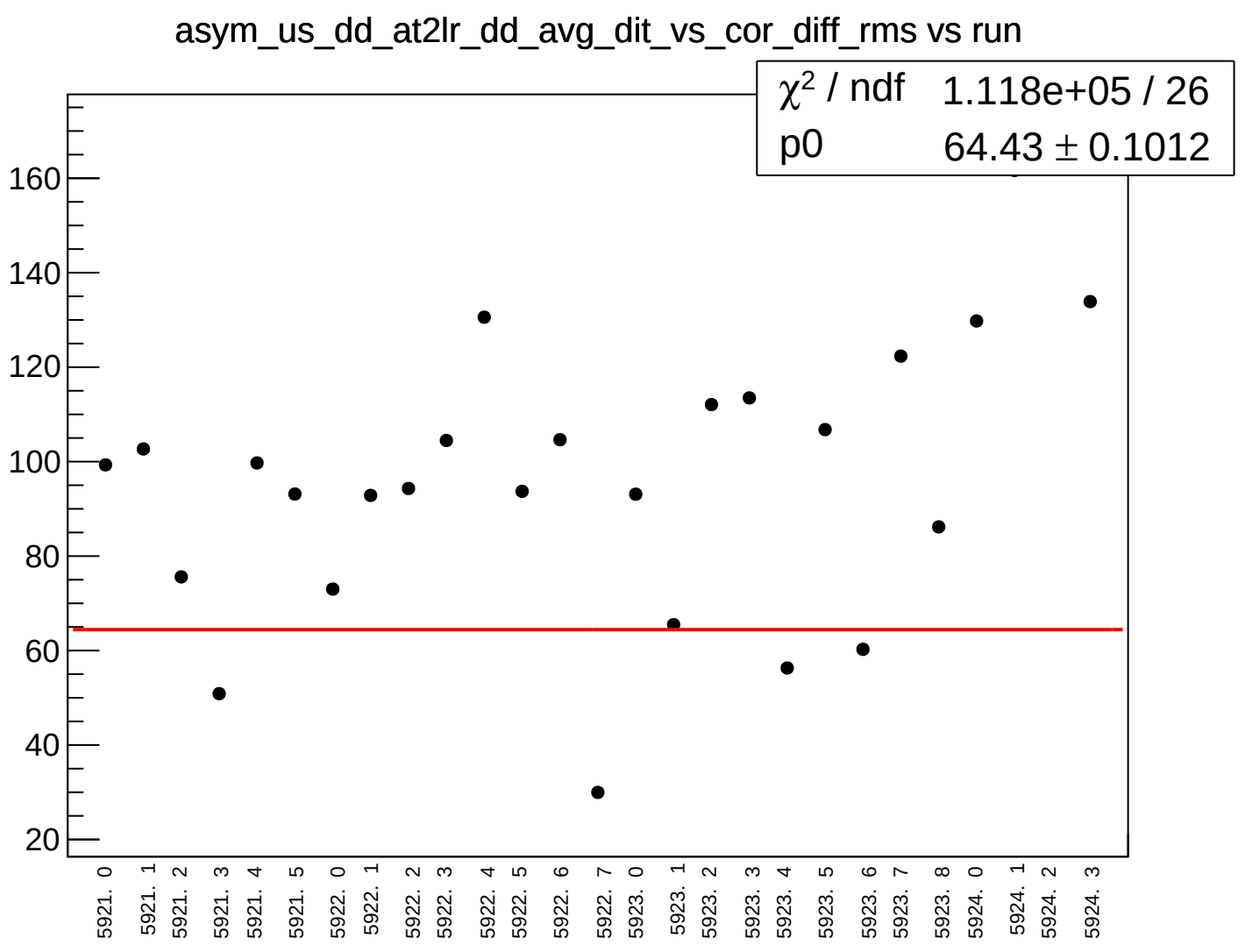

pull1D
Entries 27
Mean 0.003295
Std Dev 1.017
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

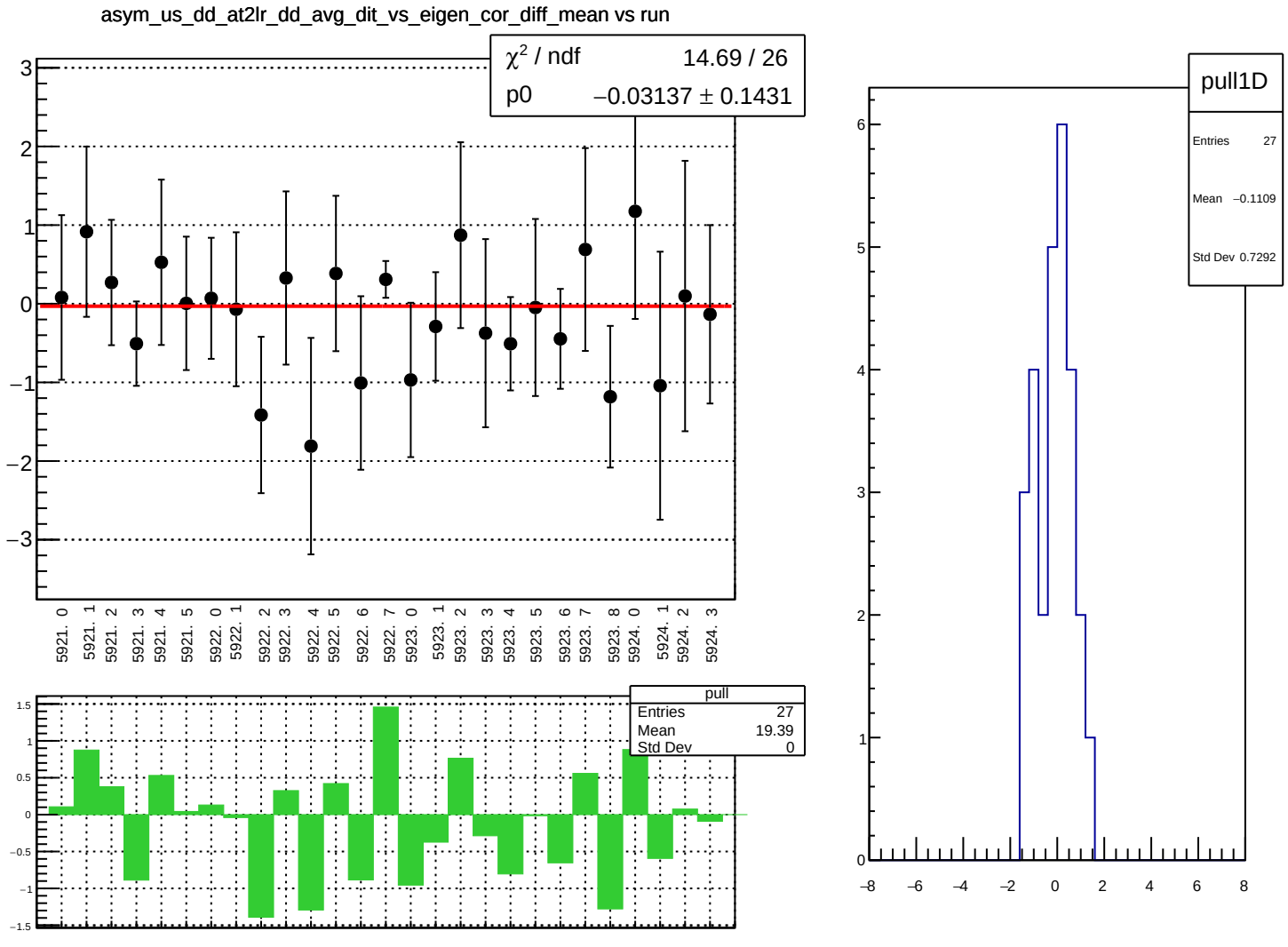

asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 1713 / 26
p0 2972 ± 4.139
3400
3300
3200
3100
3000
2900
2800
2700
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

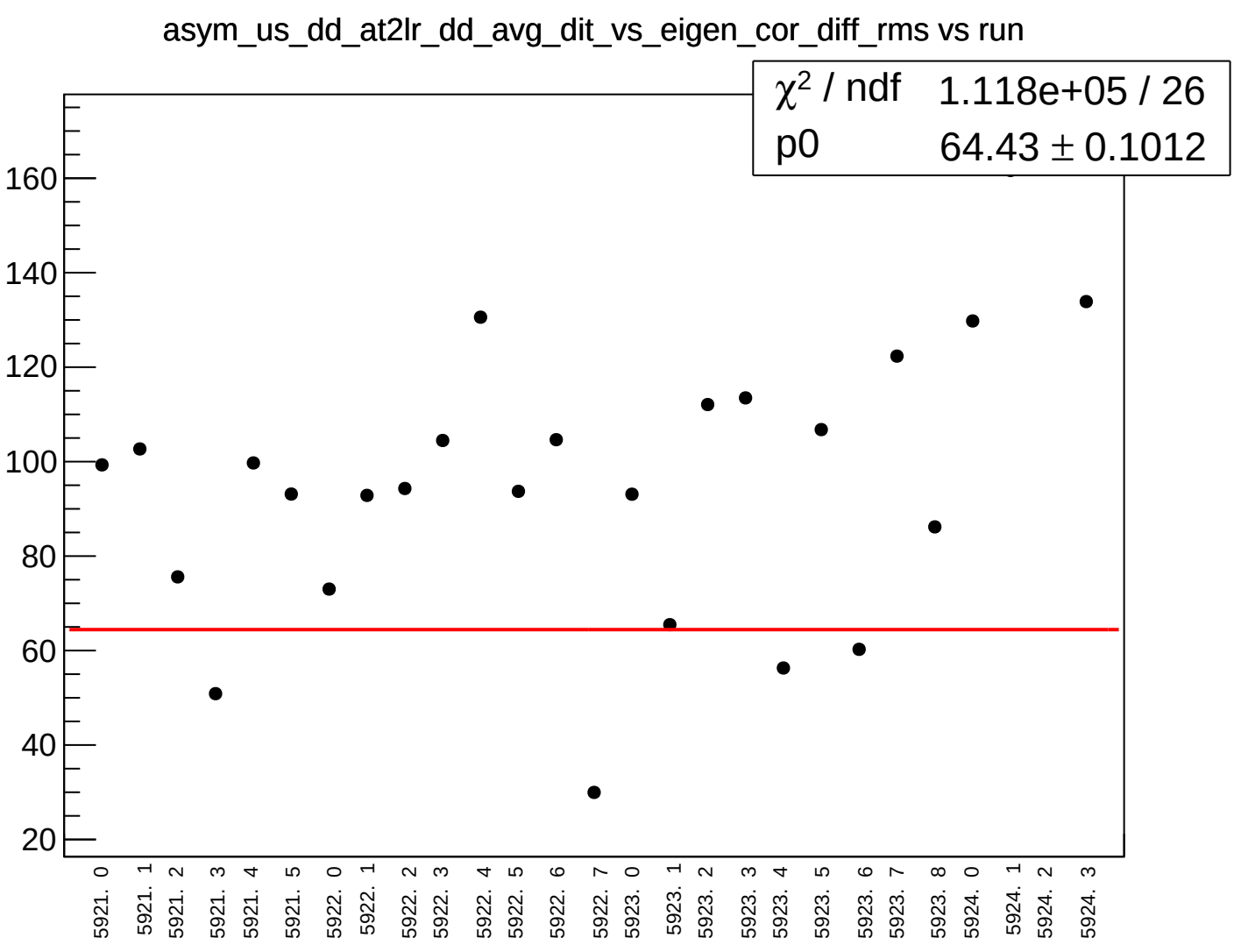

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 22.32 / 26
p0 −1.71e−15 ± 3.035e−13
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 9.565
Std Dev 5.7
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.3643
Std Dev 0.8329
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

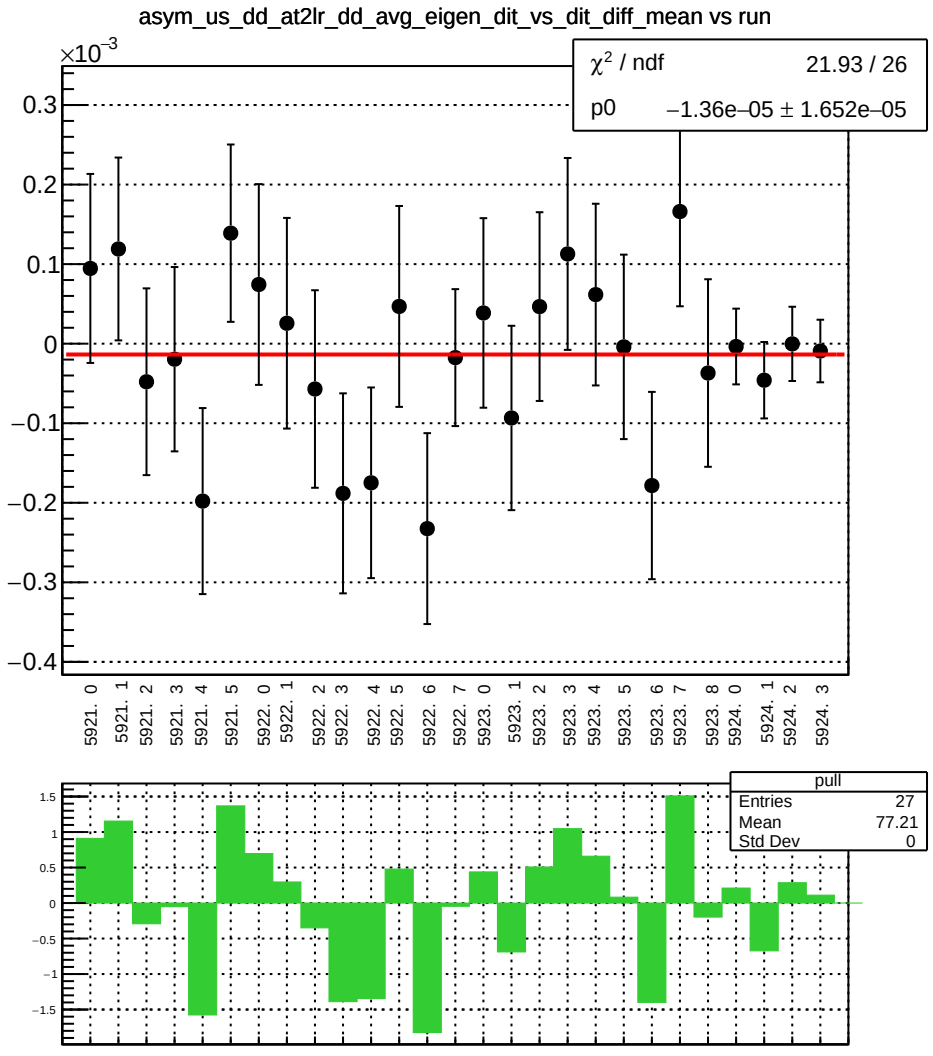

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.452e+05 / 26
p0 8.897e−11 ± 2.146e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

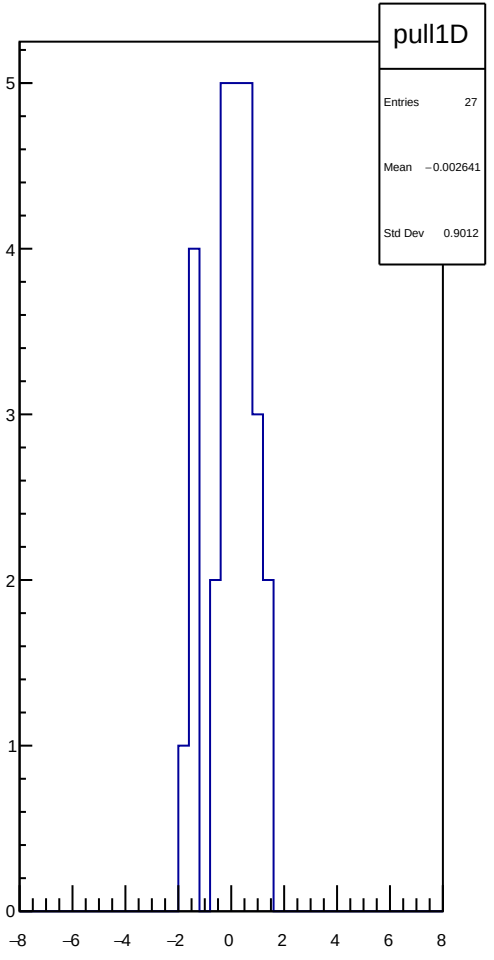

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 14.69 / 26
p0 −0.03137 ± 0.1431
3
2
1
0
−1
−2
−3
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 19.39
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.1109
Std Dev 0.7292
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

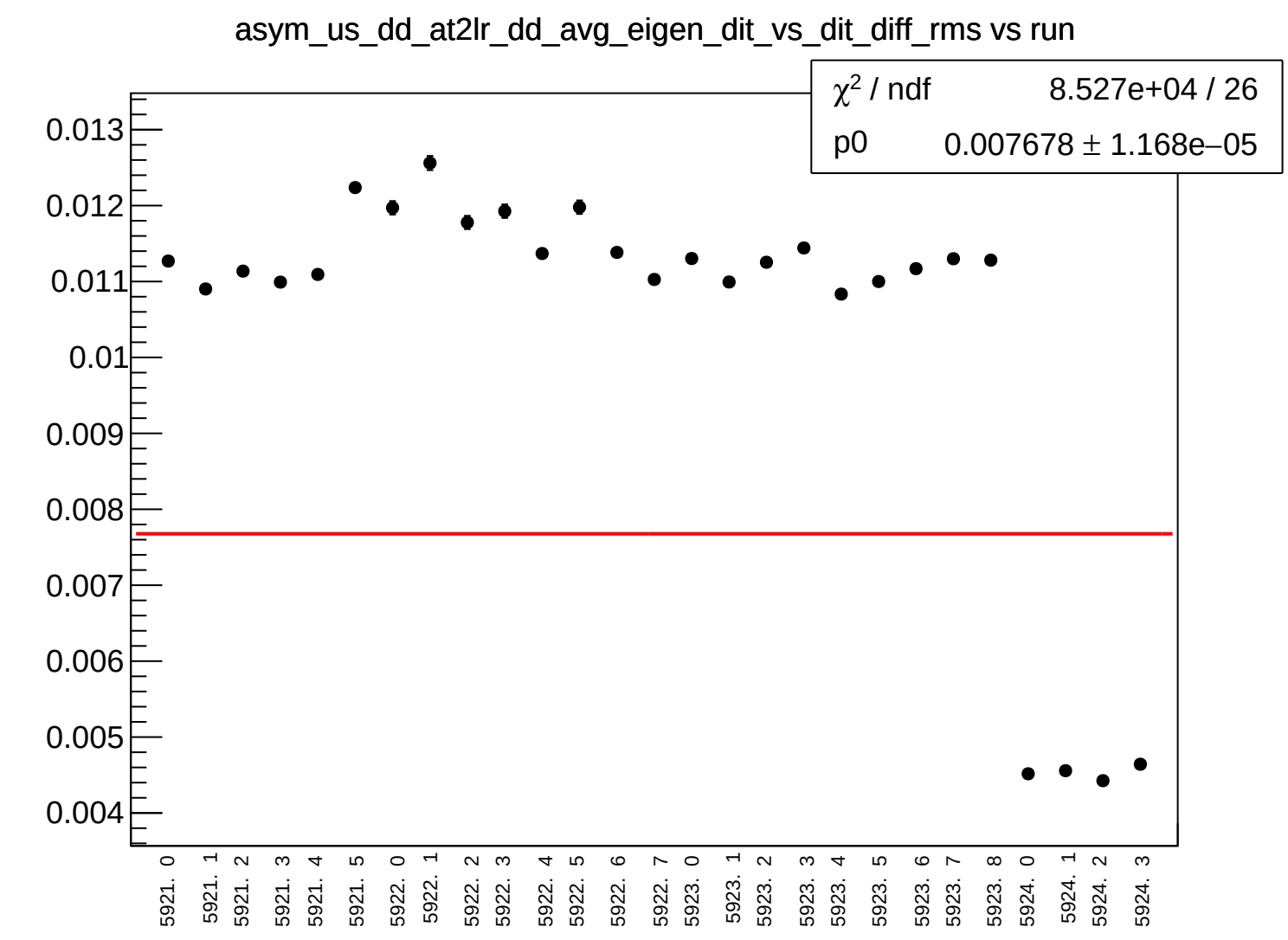

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.118e+05 / 26
p0 64.43 ± 0.1012
160
140
120
100
80
60
40
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

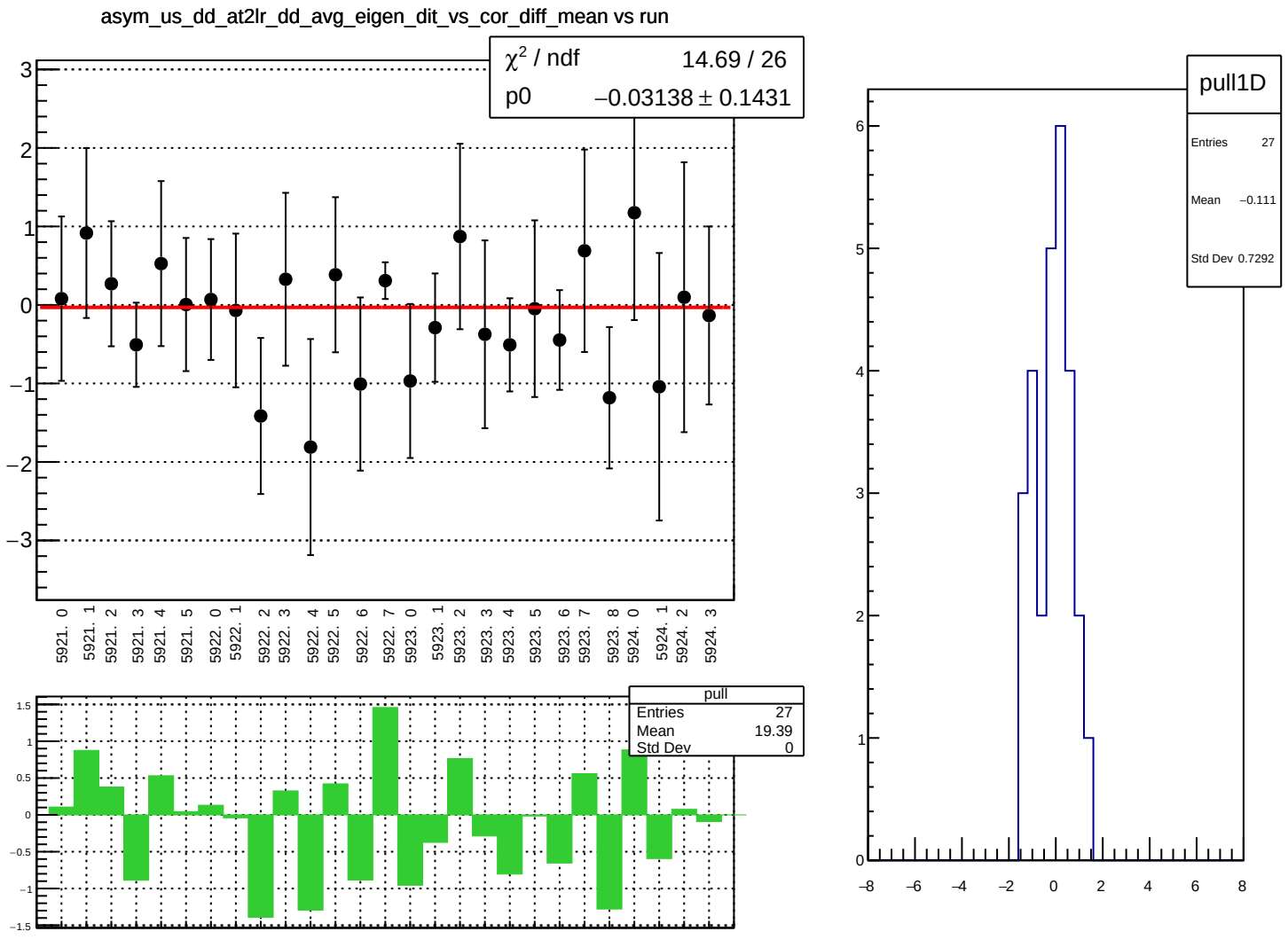

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 14.69 / 26
p0 −0.03137 ± 0.1431
3
2
1
0
−1
−2
−3
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 19.39
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.1109
Std Dev 0.7292
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

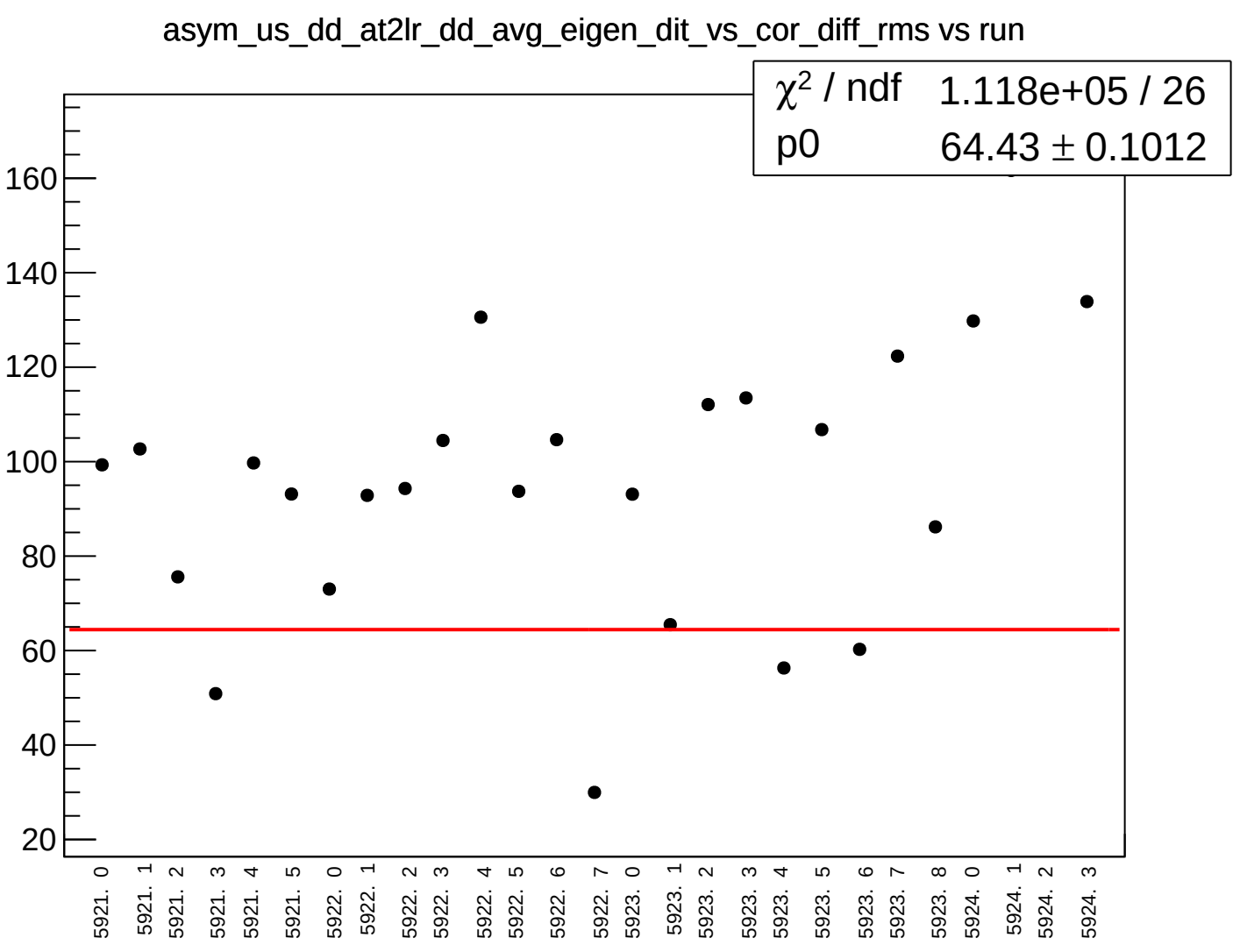

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.118e+05 / 26
p0 64.43 ± 0.1012
160
140
120
100
80
60
40
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

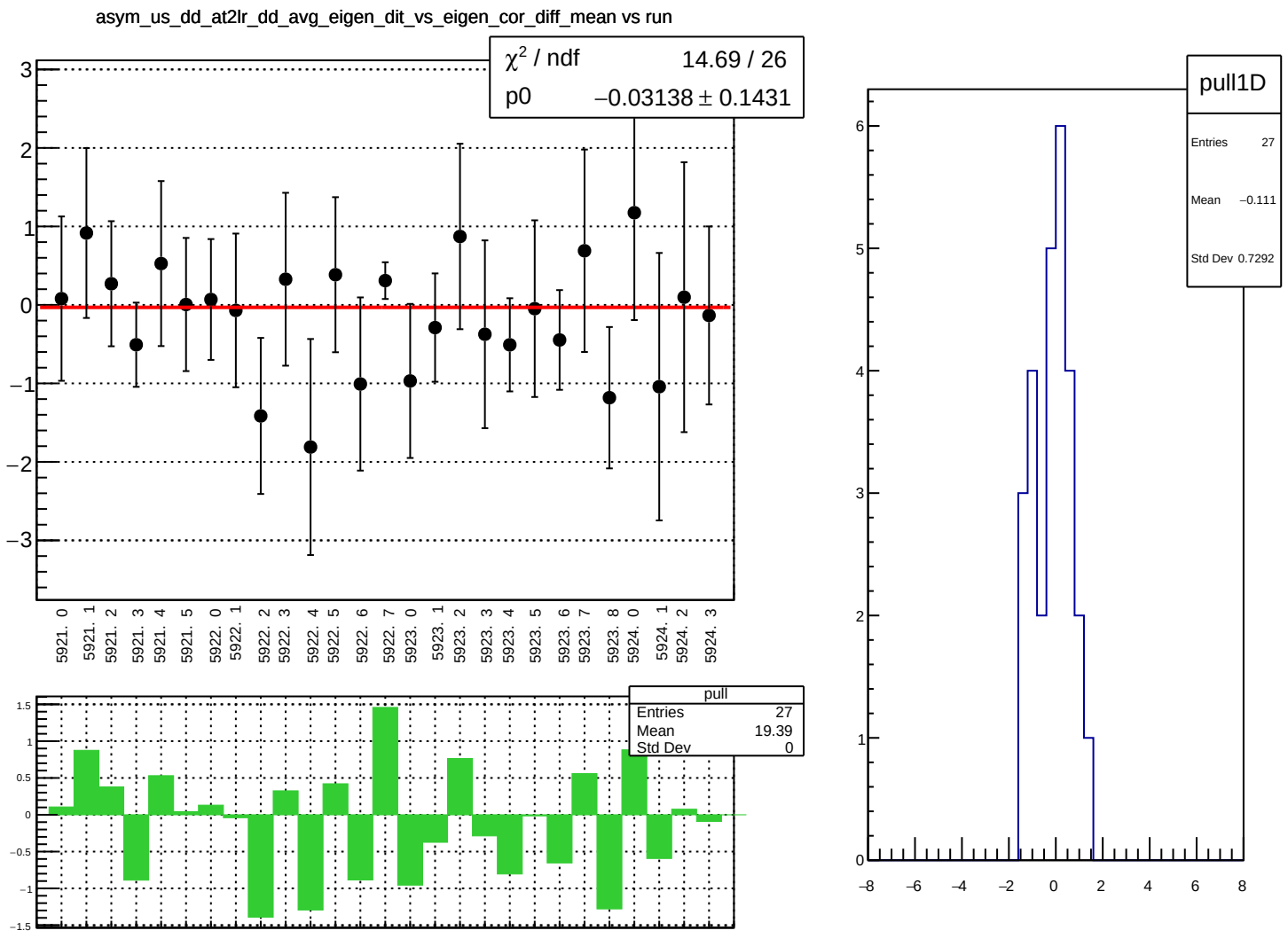

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 21.93 / 26
p0 −1.36e−05 ± 1.652e−05
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 77.21
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

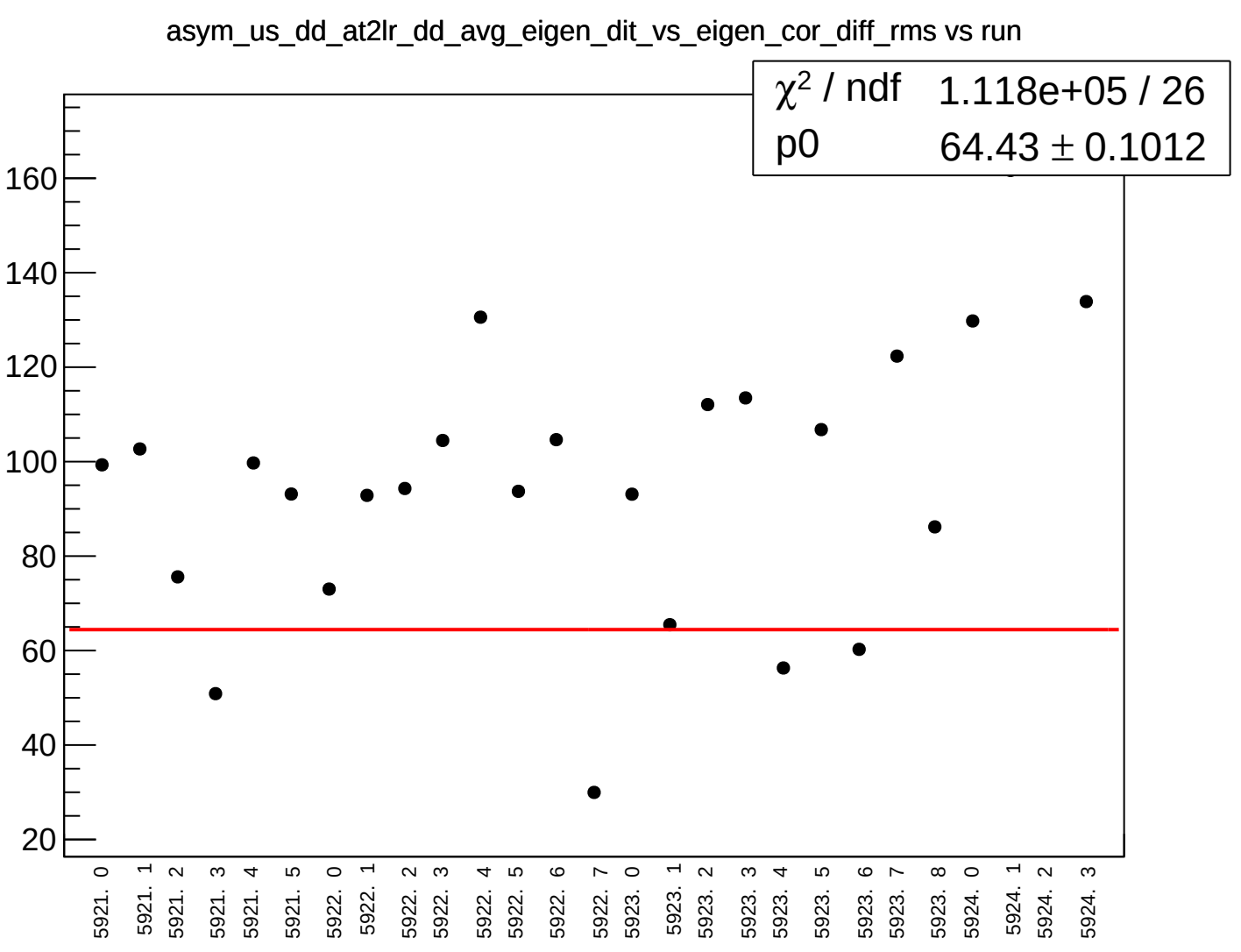

pull1D
Entries 27
Mean −0.002641
Std Dev 0.9012
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

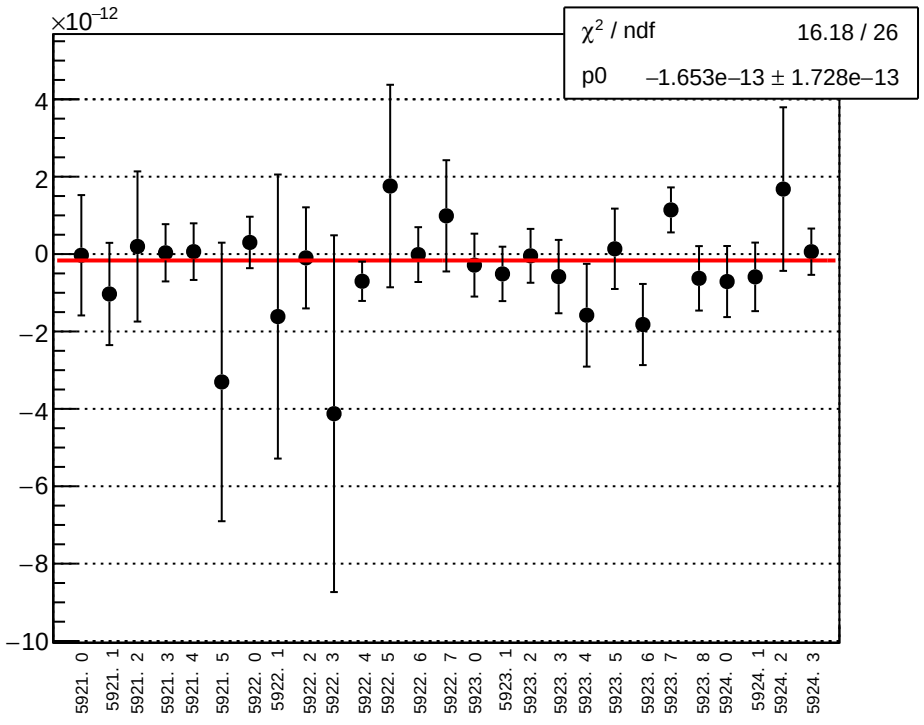

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8.527e+04 / 26
p0 0.007678 ± 1.168e−05
0.013
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005
0.004
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

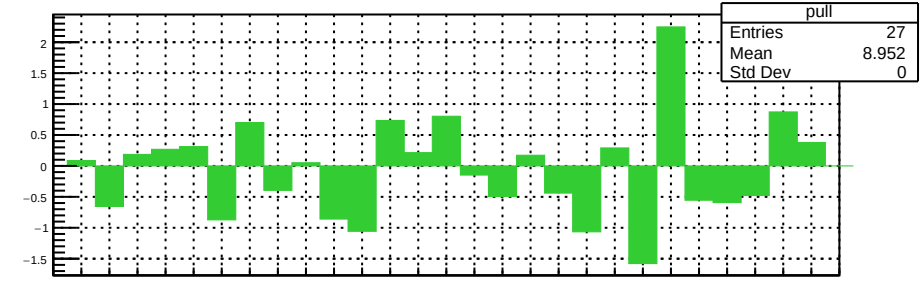

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 14.69 / 26
p0 −0.03138 ± 0.1431
3
2
1
0
−1
−2
−3
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 19.39
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.111
Std Dev 0.7292
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

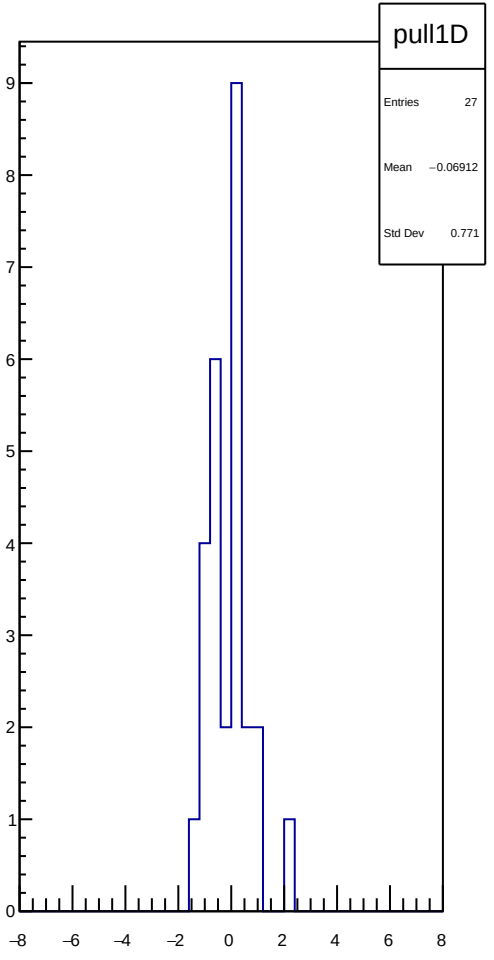

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.118e+05 / 26
p0 64.43 ± 0.1012
160
140
120
100
80
60
40
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

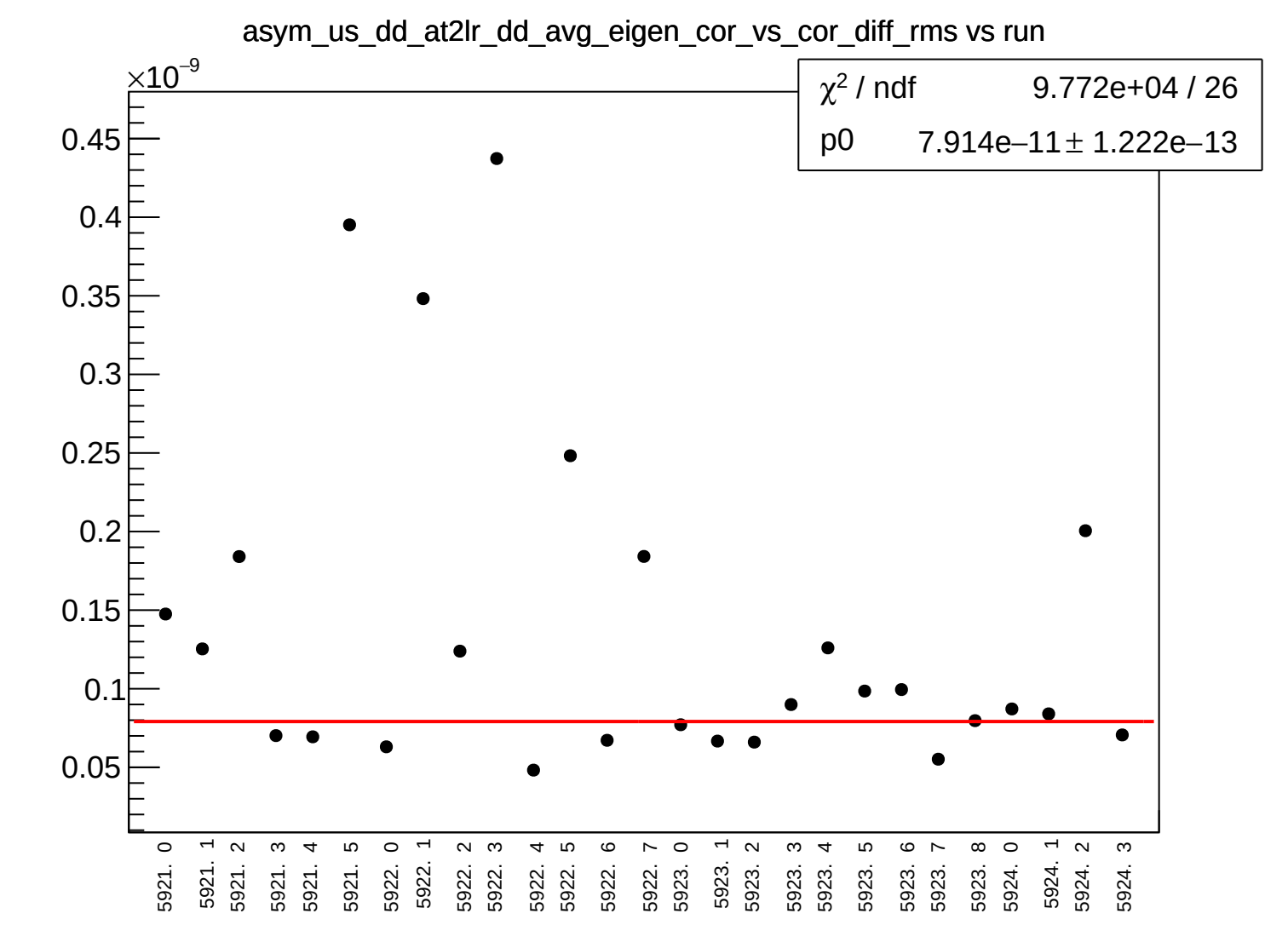

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 14.69 / 26
p0 −0.03138 ± 0.1431
3
2
1
0
−1
−2
−3
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 19.39
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.111
Std Dev 0.7292
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

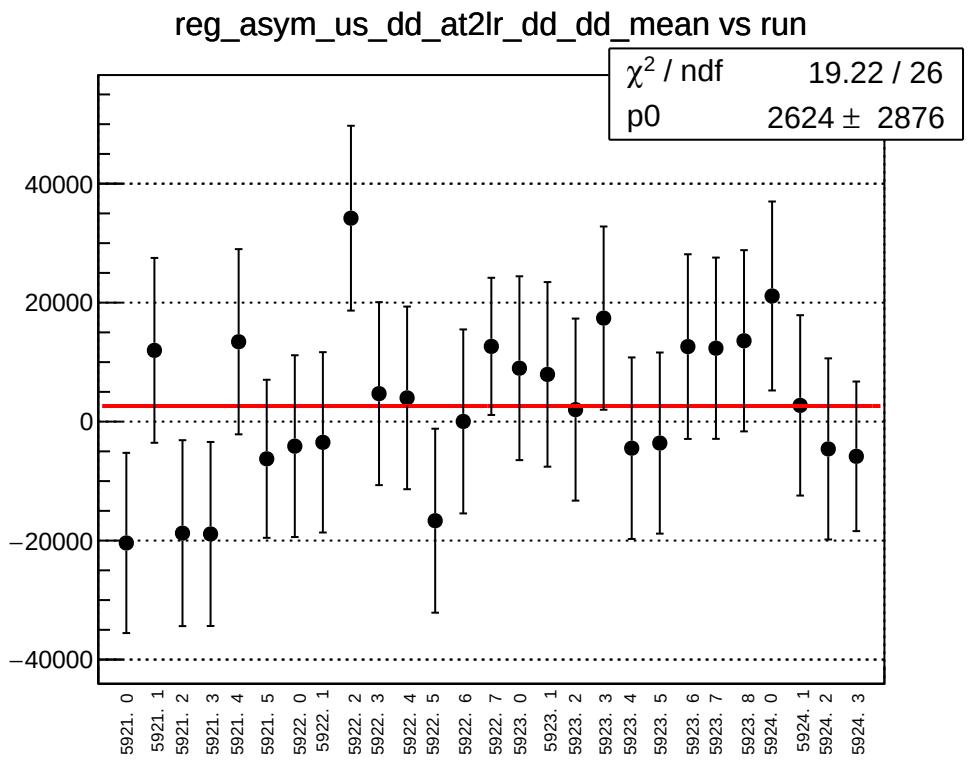

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.118e+05 / 26
p0 64.43 ± 0.1012
160
140
120
100
80
60
40
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

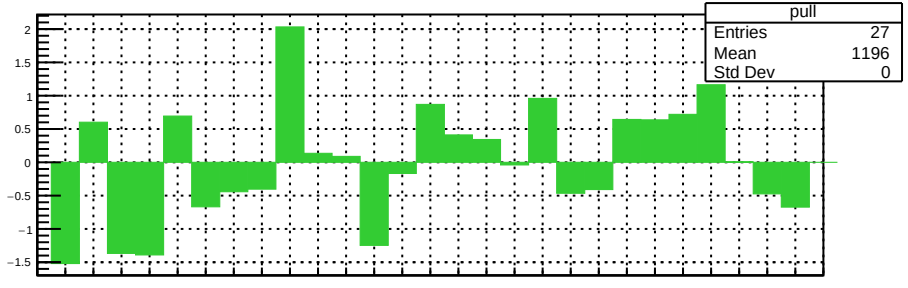

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 16.18 / 26
p0 −1.653e−13 ± 1.728e−13
4
2
0
−2
−4
−6
−8
−10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

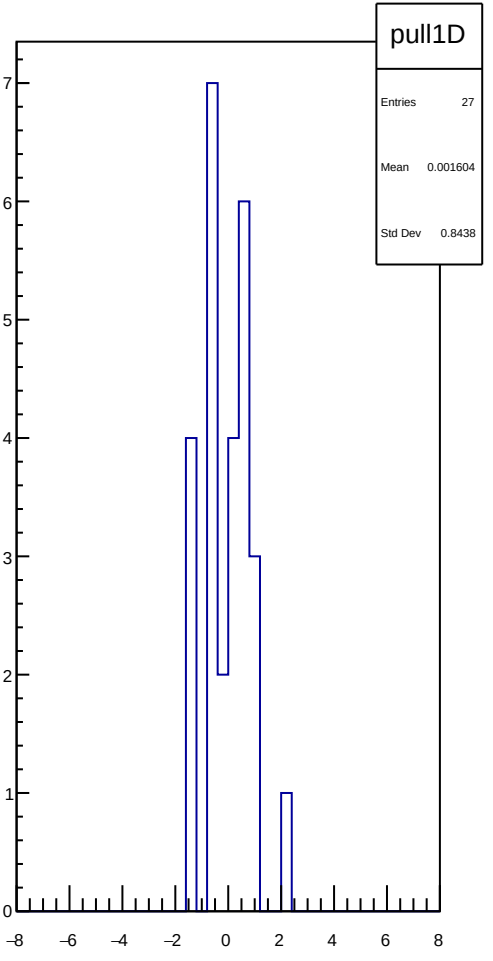

pull
Entries 27
Mean 8.952
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

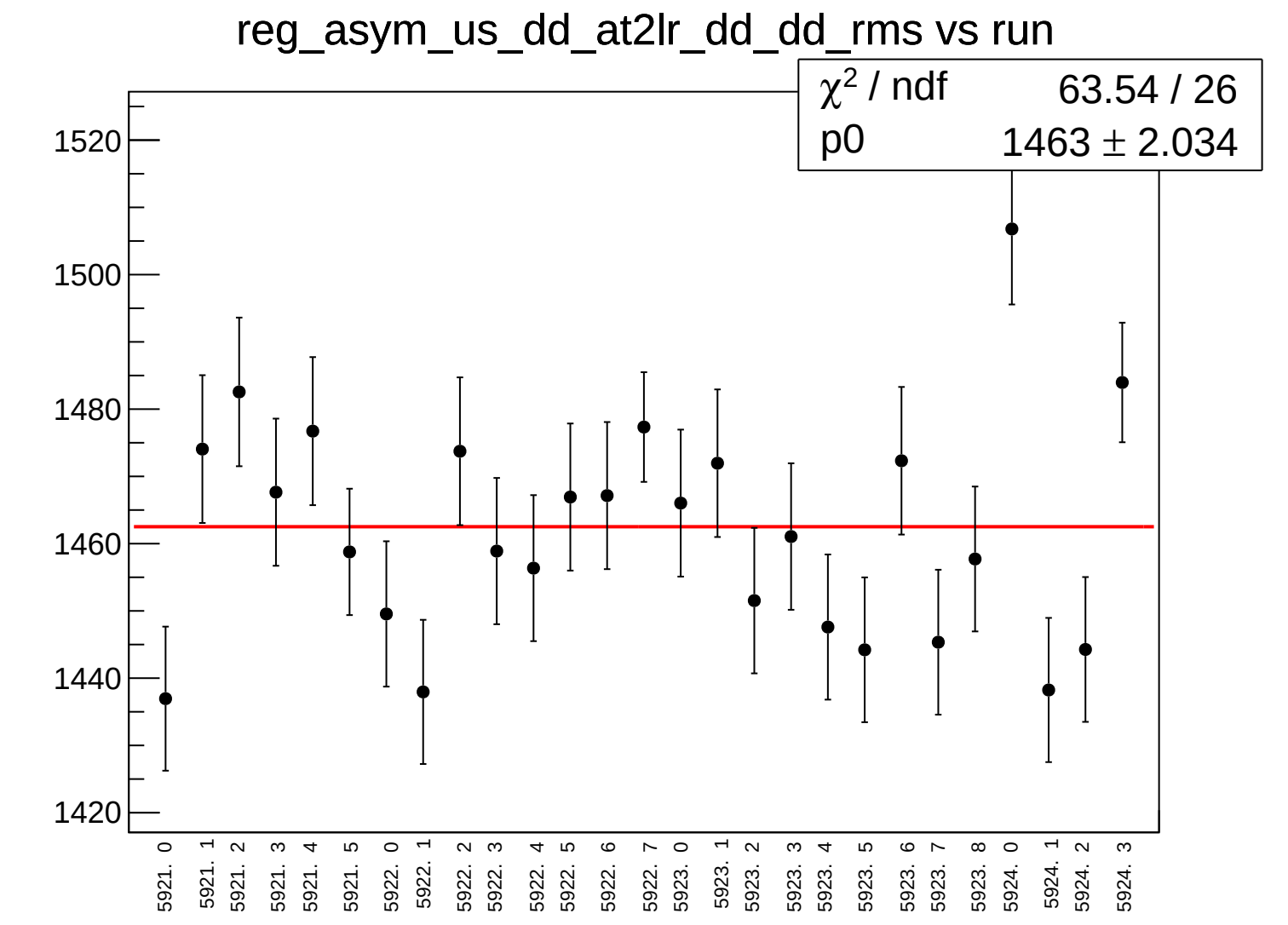

pull1D
Entries 27
Mean −0.06912
Std Dev 0.771
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

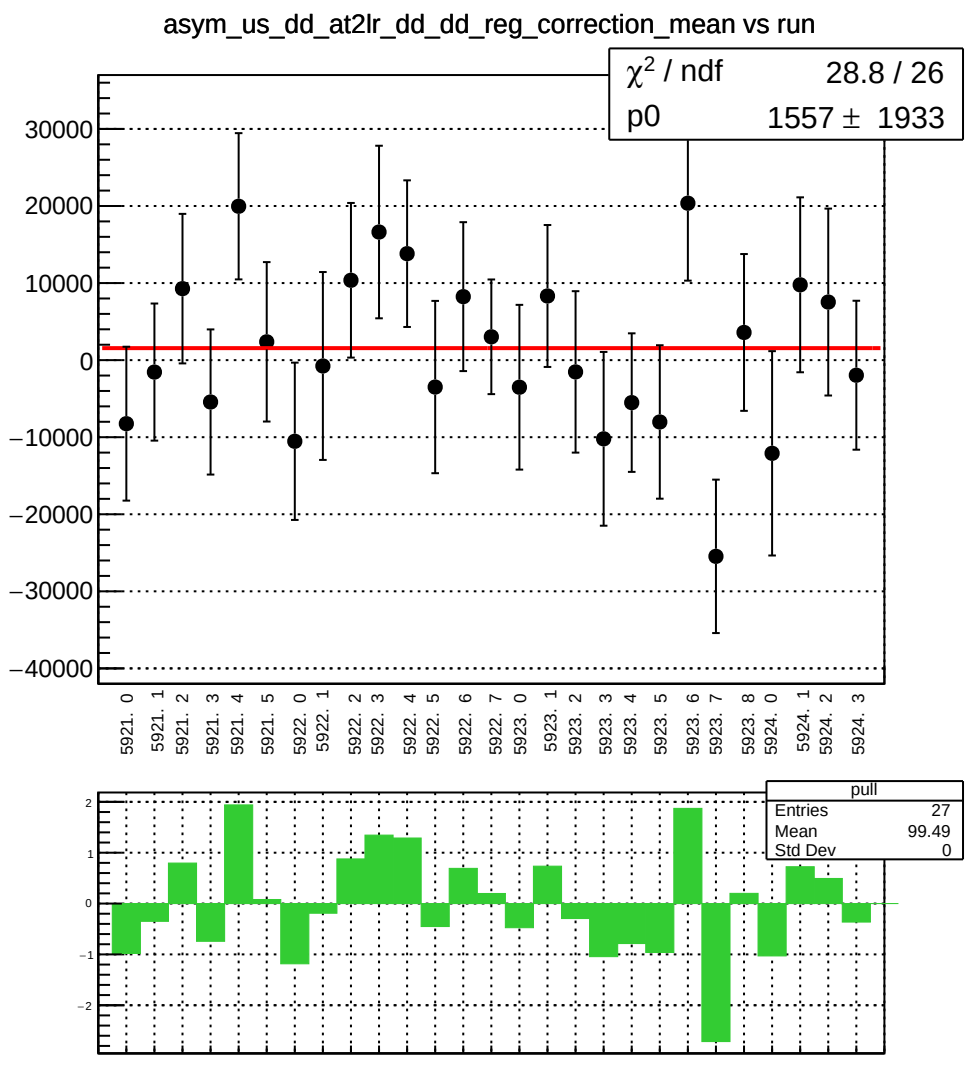

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 9.772e+04 / 26
p0 7.914e−11 ± 1.222e−13
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

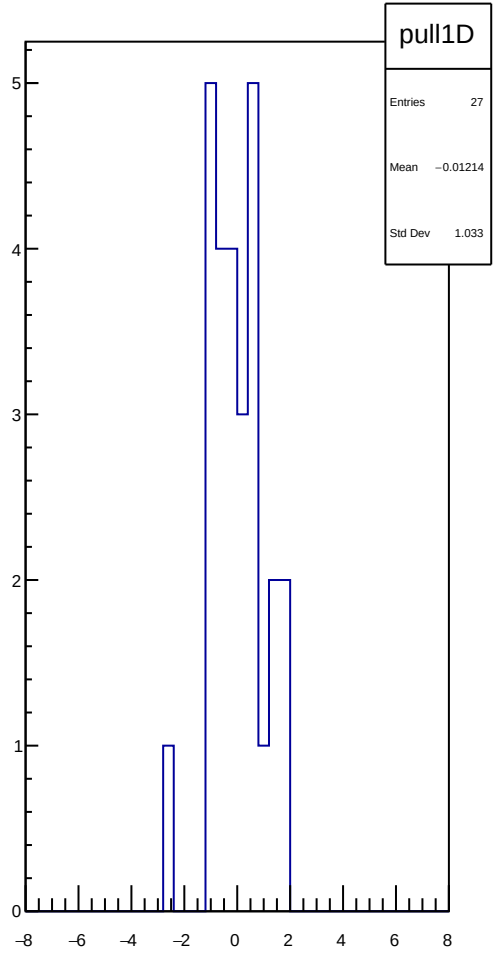

reg_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 19.22 / 26
p0 2624 ± 2876
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

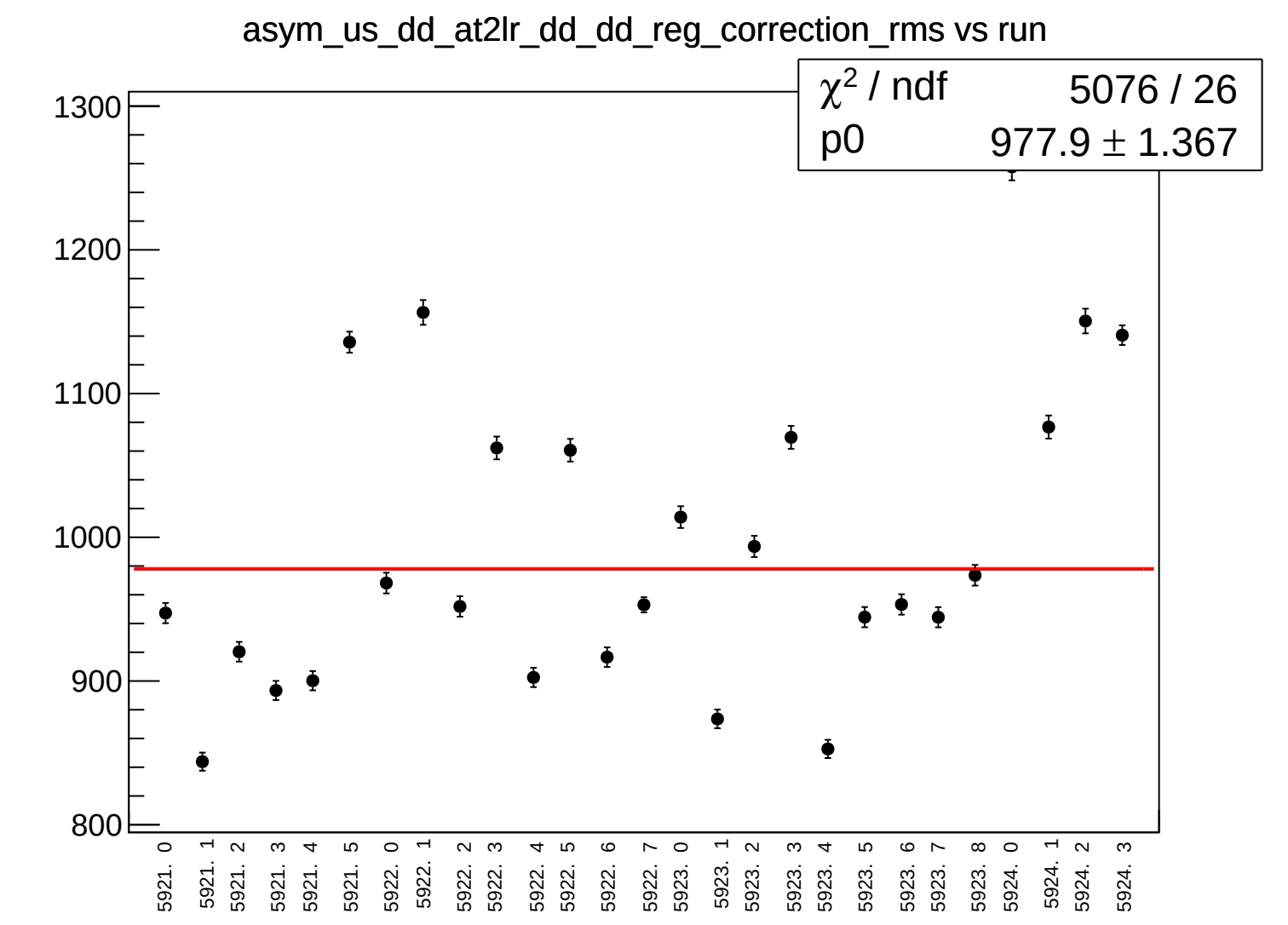

pull
Entries 27
Mean 1196
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

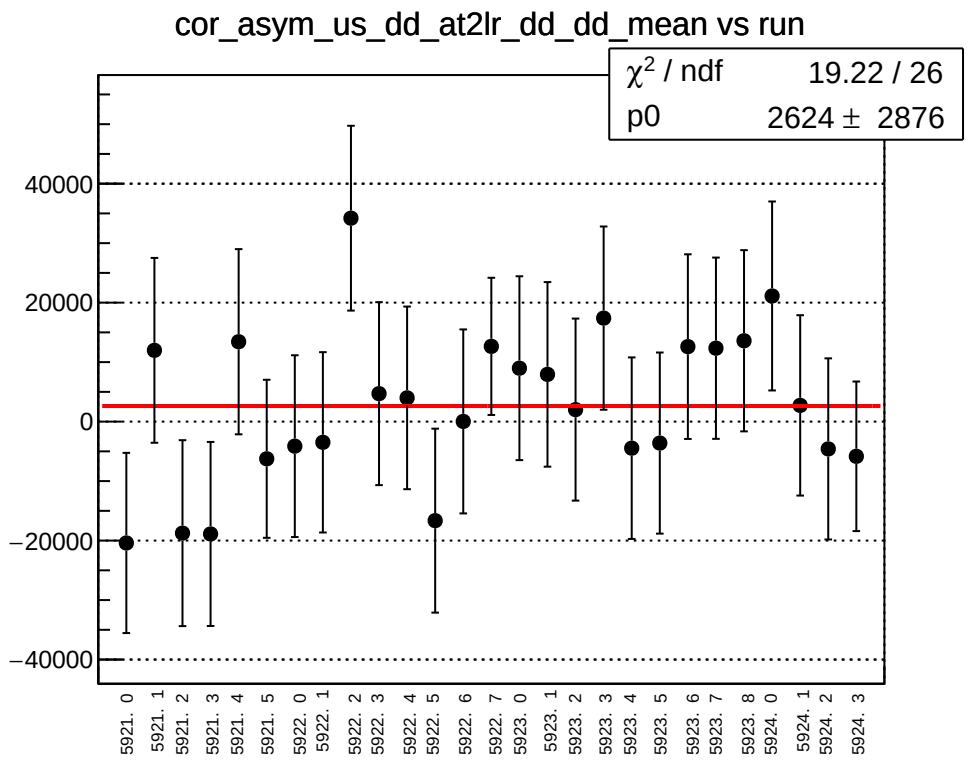

pull1D
Entries 27
Mean 0.001604
Std Dev 0.8438
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

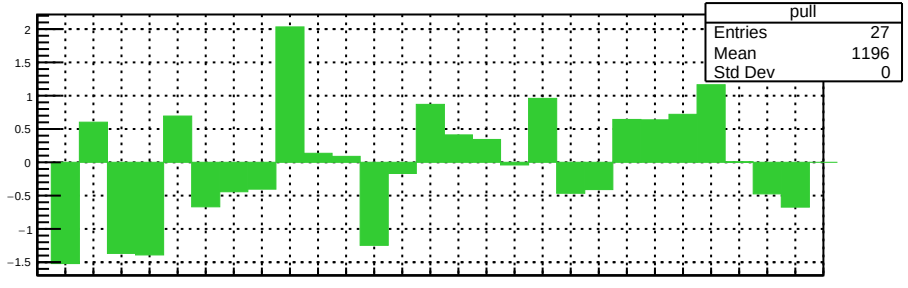

reg_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 63.54 / 26
p0 1463 ± 2.034
1520
1500
1480
1460
1440
1420
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

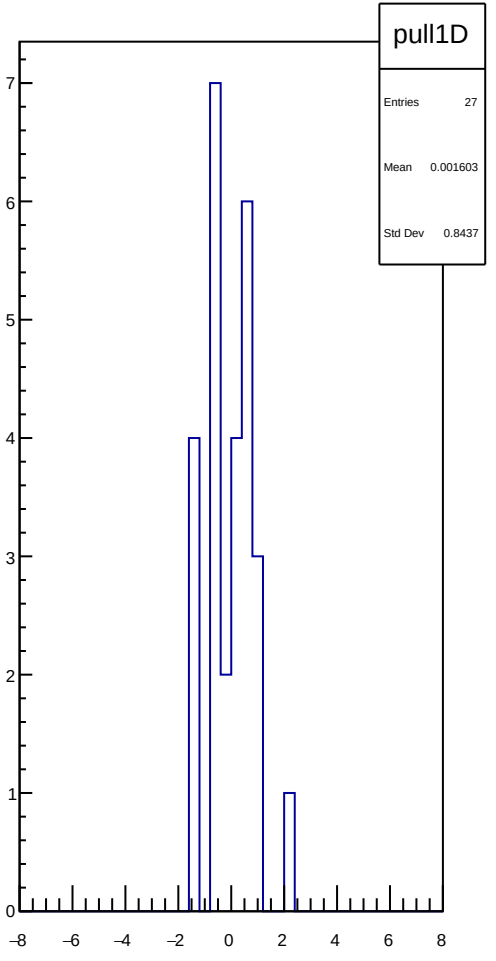

asym_us_dd_at2lr_dd_dd_reg_correction_mean vs run
χ² / ndf 28.8 / 26
p0 1557 ± 1933
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 99.49
Std Dev 0
2
1
0
−1
−2

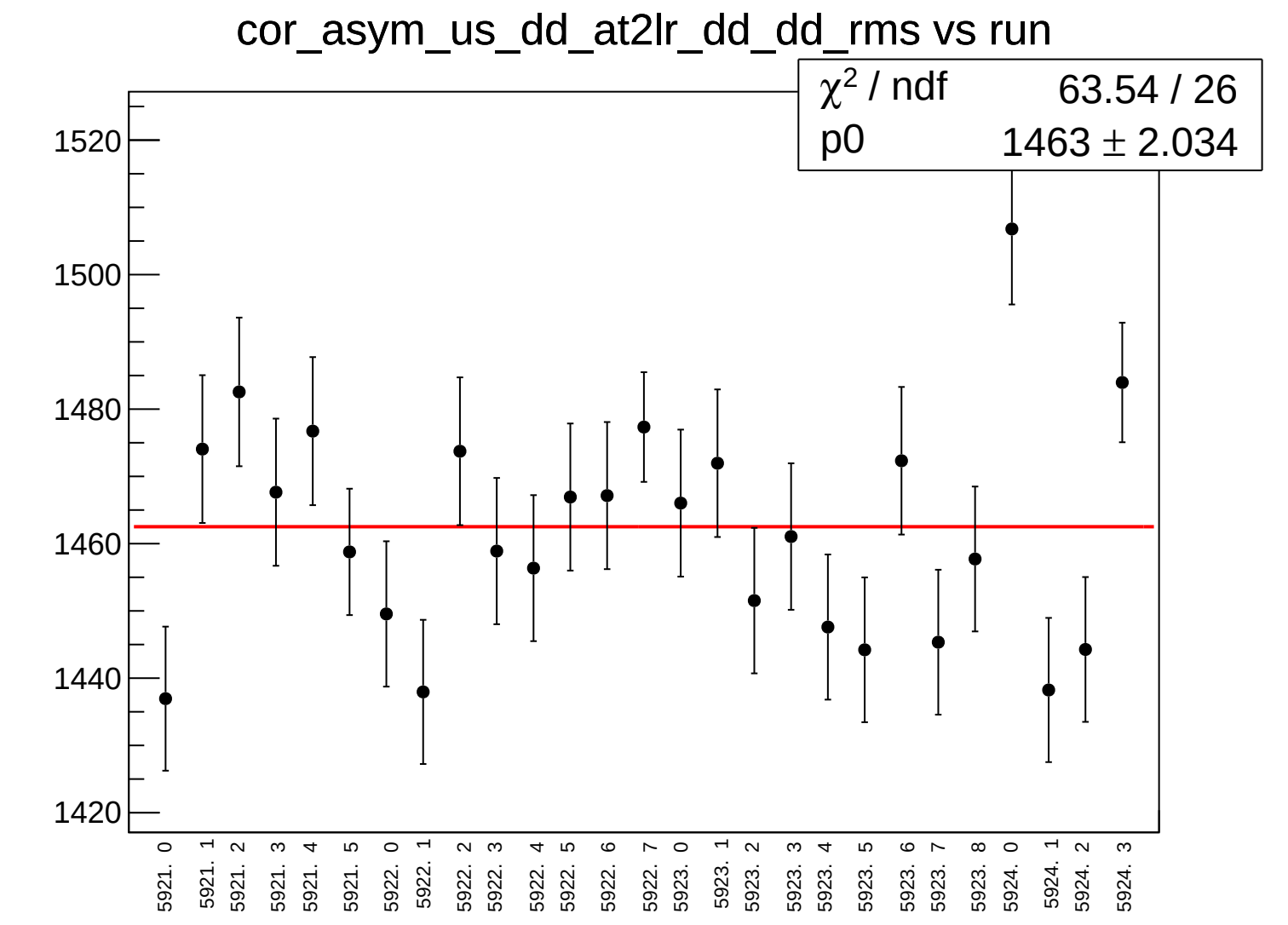

pull1D
Entries 27
Mean −0.01214
Std Dev 1.033
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

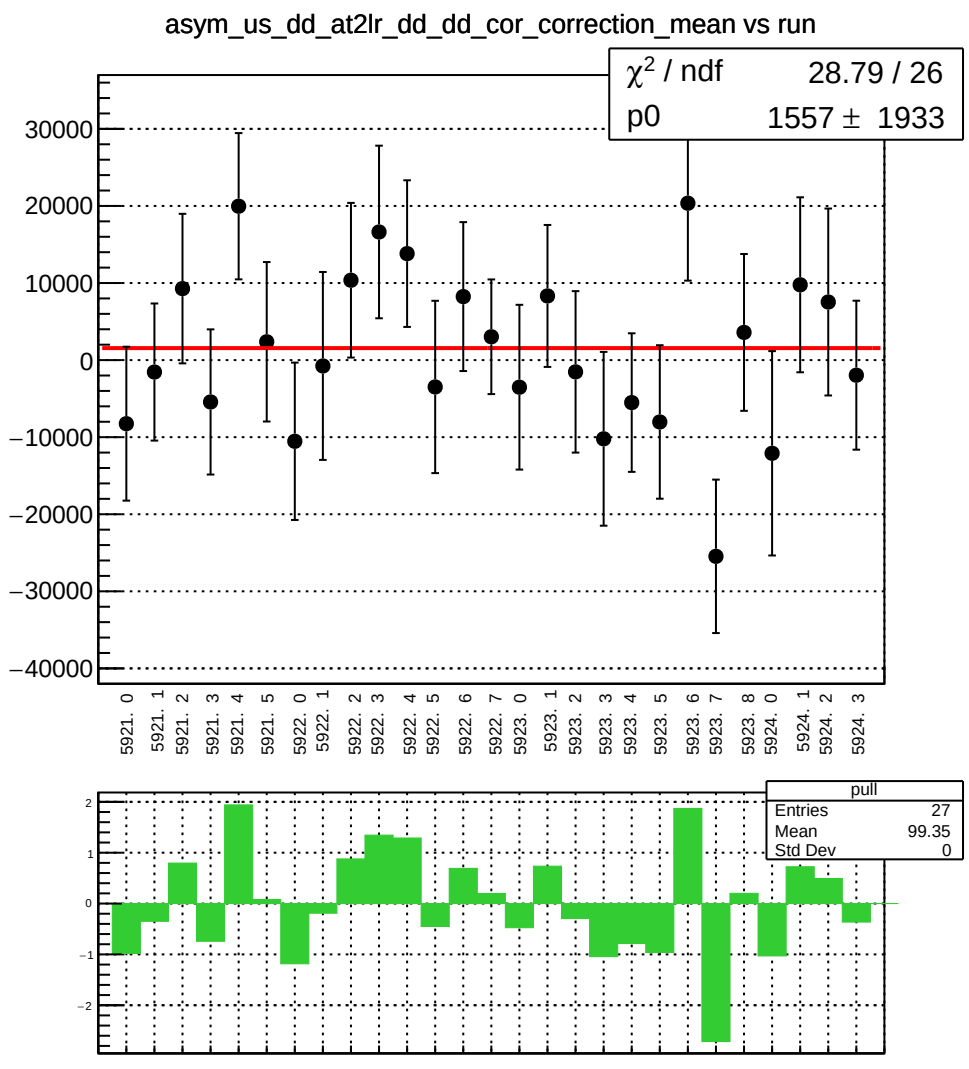

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs run
χ² / ndf 5076 / 26
p0 977.9 ± 1.367
1300
1200
1100
1000
900
800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

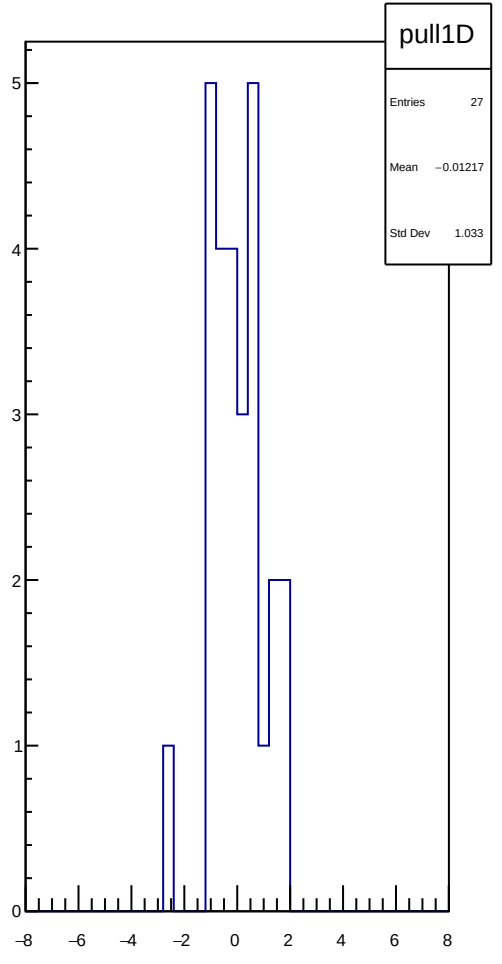

cor_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 19.22 / 26
p0 2624 ± 2876
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

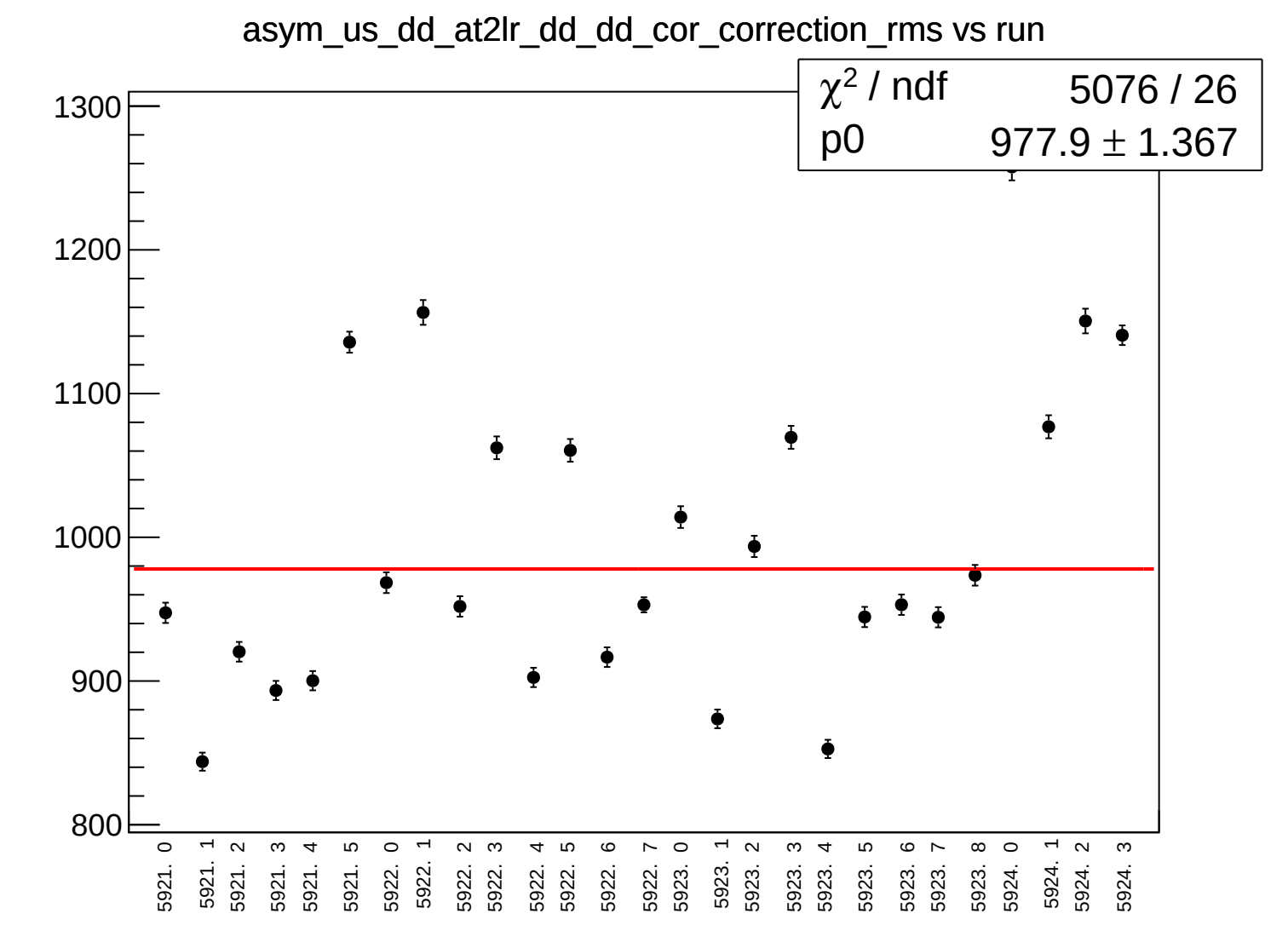

pull
Entries 27
Mean 1196
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

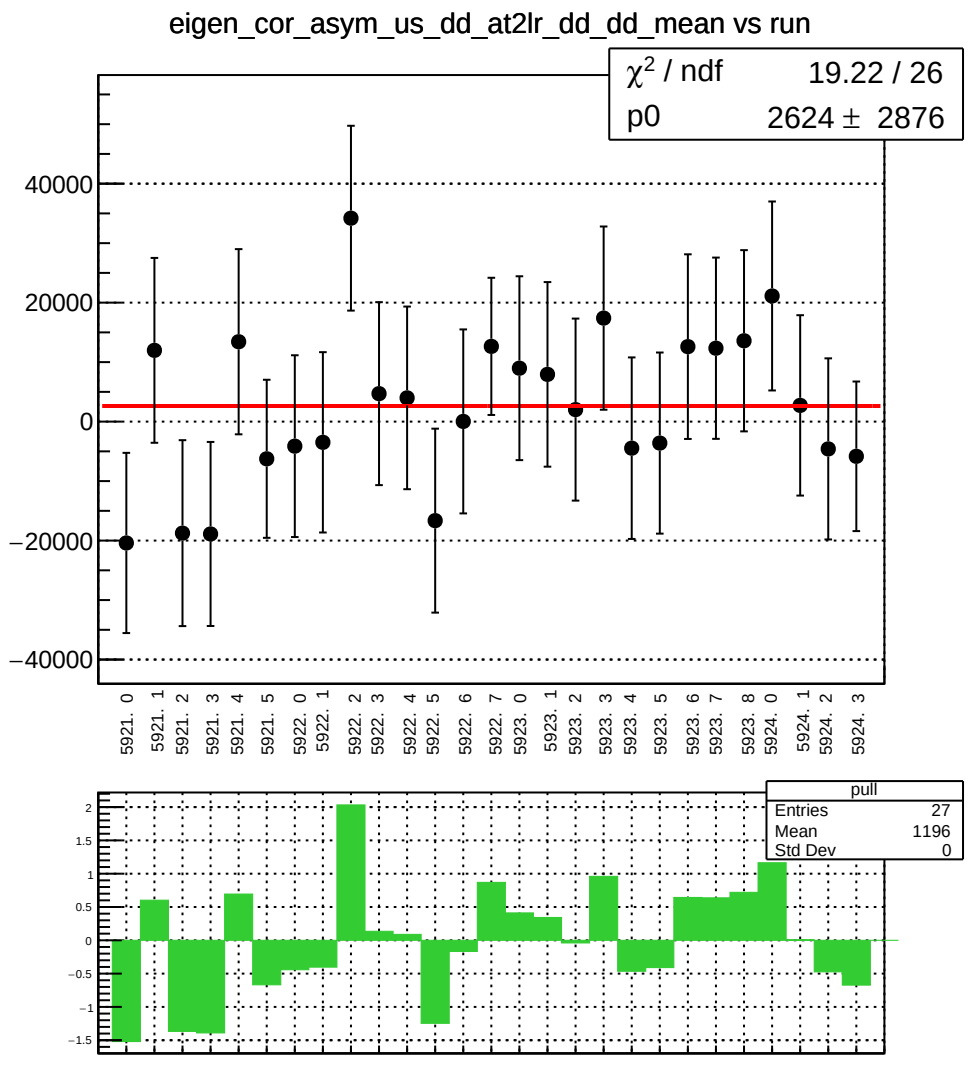

pull1D
Entries 27
Mean 0.001603
Std Dev 0.8437
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

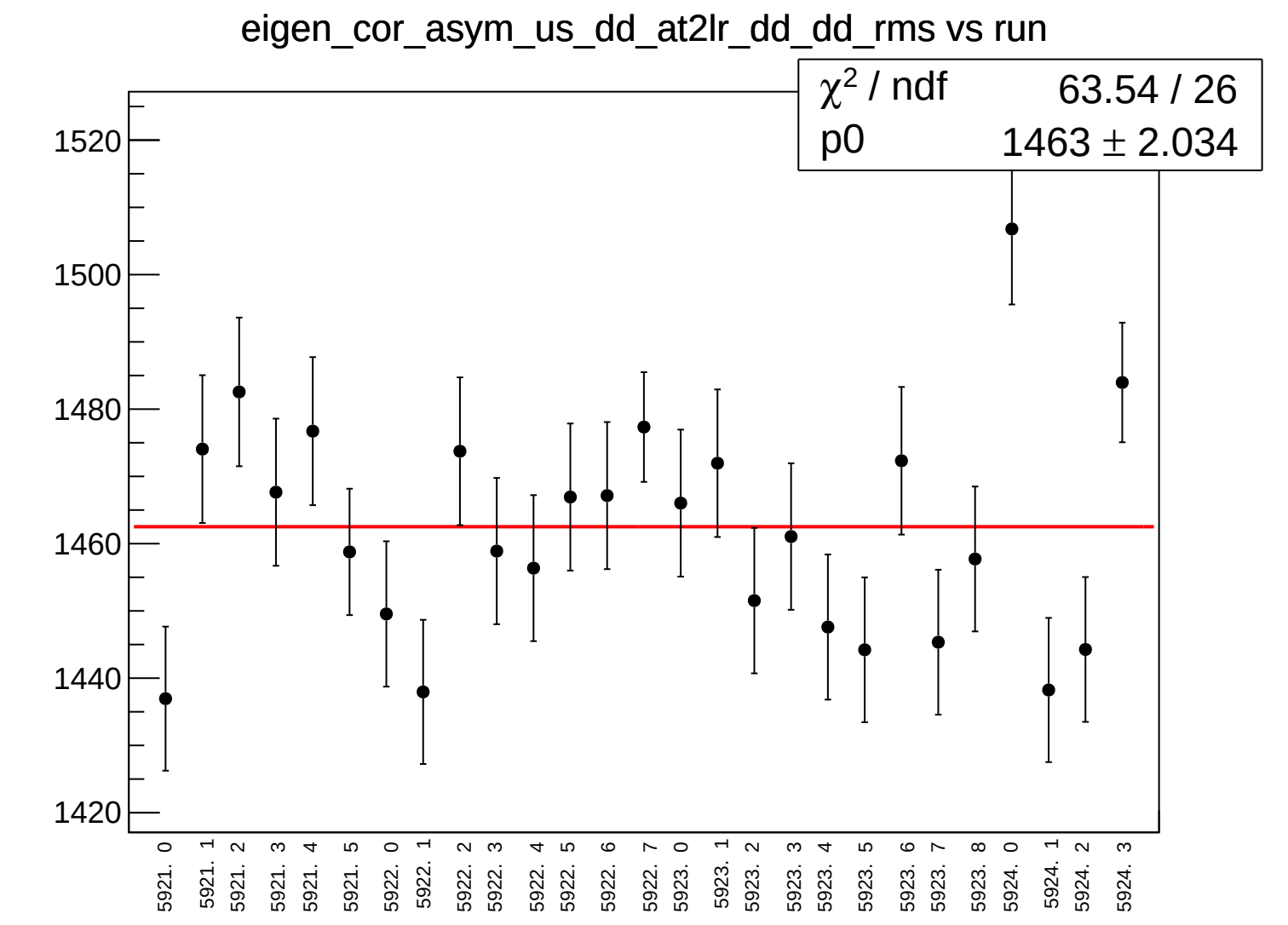

cor_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 63.54 / 26
p0 1463 ± 2.034
1520
1500
1480
1460
1440
1420
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

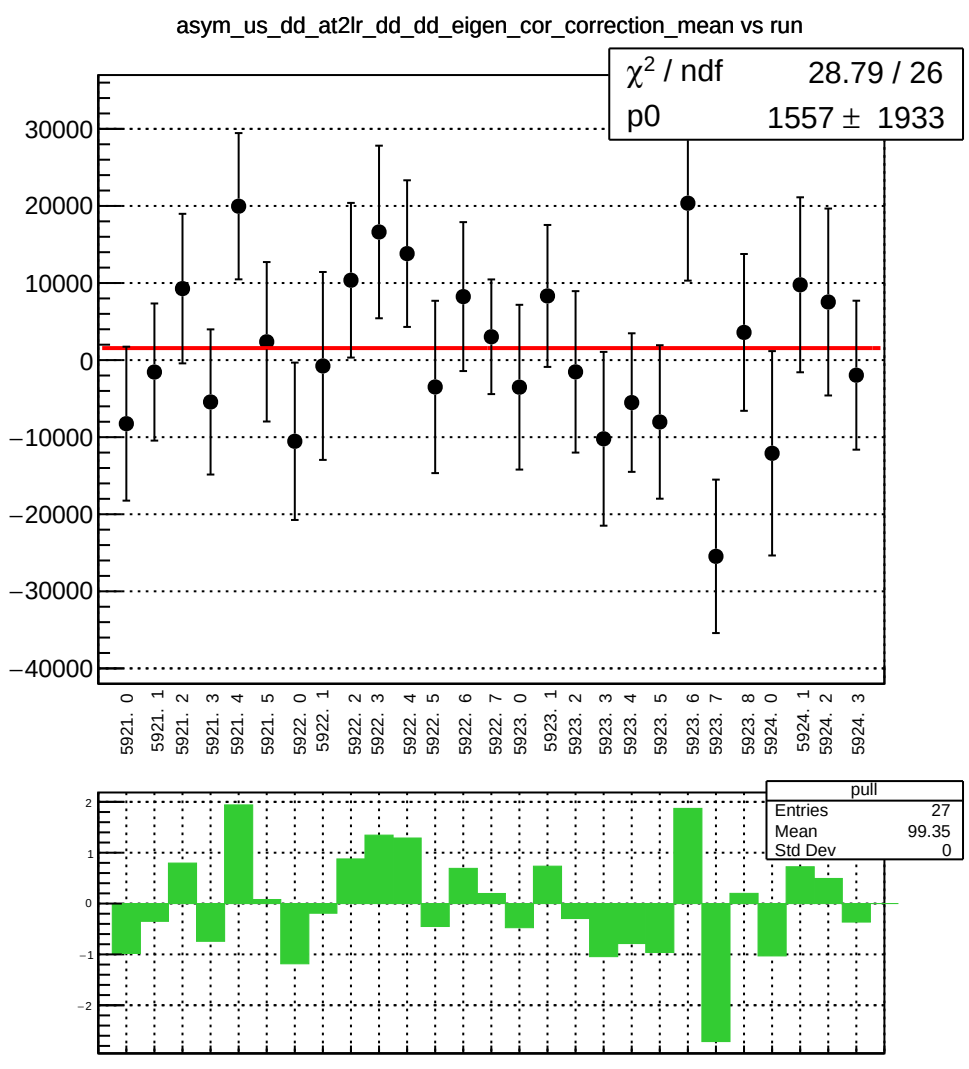

asym_us_dd_at2lr_dd_dd_cor_correction_mean vs run
χ² / ndf 28.79 / 26
p0 1557 ± 1933
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 99.35
Std Dev 0
2
1
0
−1
−2

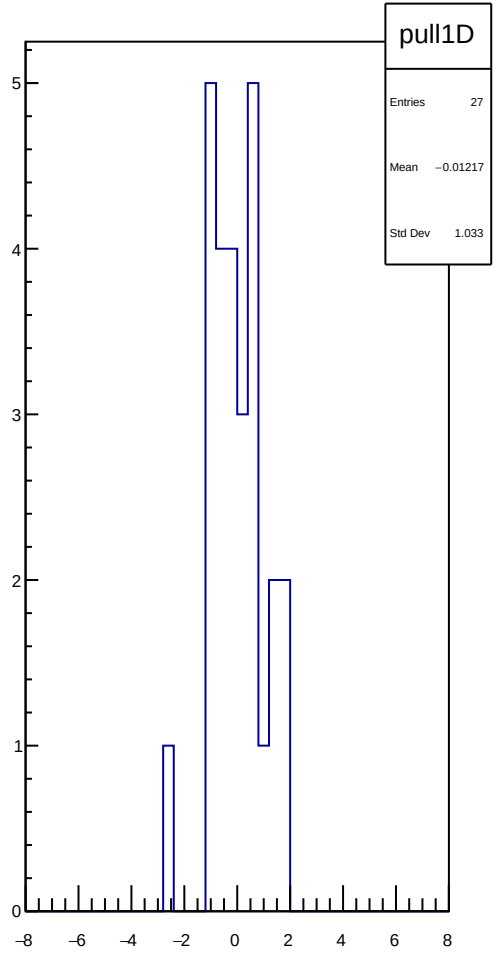

pull1D
Entries 27
Mean −0.01217
Std Dev 1.033
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

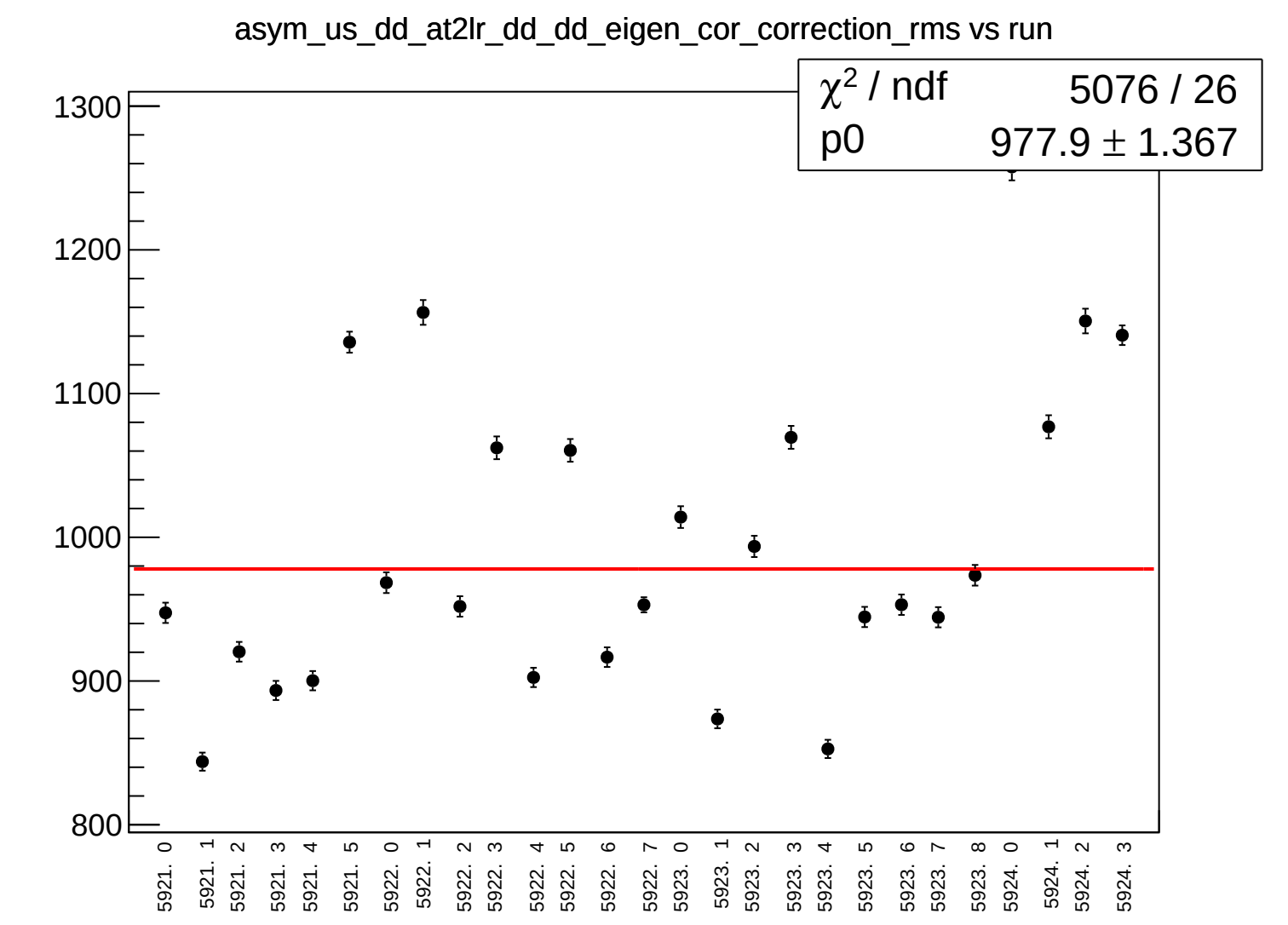

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs run
χ² / ndf 5076 / 26
p0 977.9 ± 1.367
1300
1200
1100
1000
900
800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

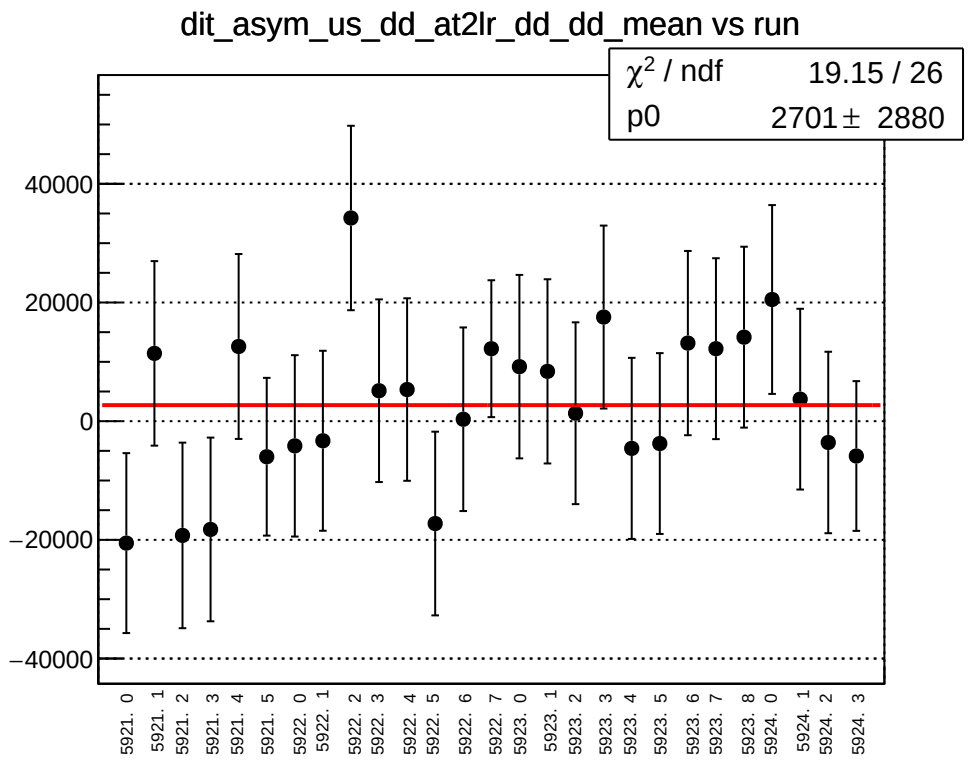

eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 19.22 / 26
p0 2624 ± 2876
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 1196
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.001603
Std Dev 0.8437
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 63.54 / 26
p0 1463 ± 2.034
1520
1500
1480
1460
1440
1420
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 28.79 / 26
p0 1557 ± 1933
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 99.35
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 27
Mean −0.01217
Std Dev 1.033
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 5076 / 26
p0 977.9 ± 1.367
1300
1200
1100
1000
900
800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


dit_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 19.15 / 26
p0 2701 ± 2880
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
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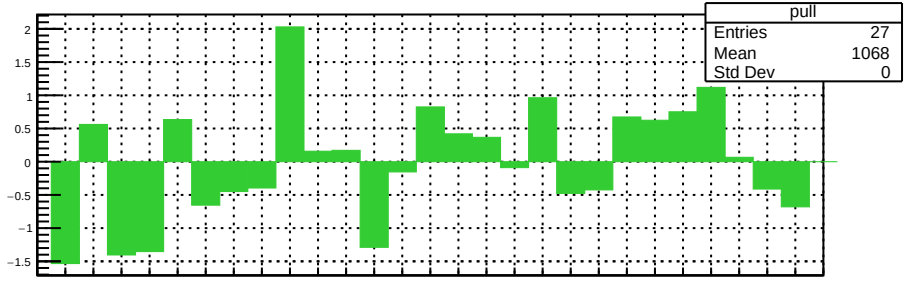
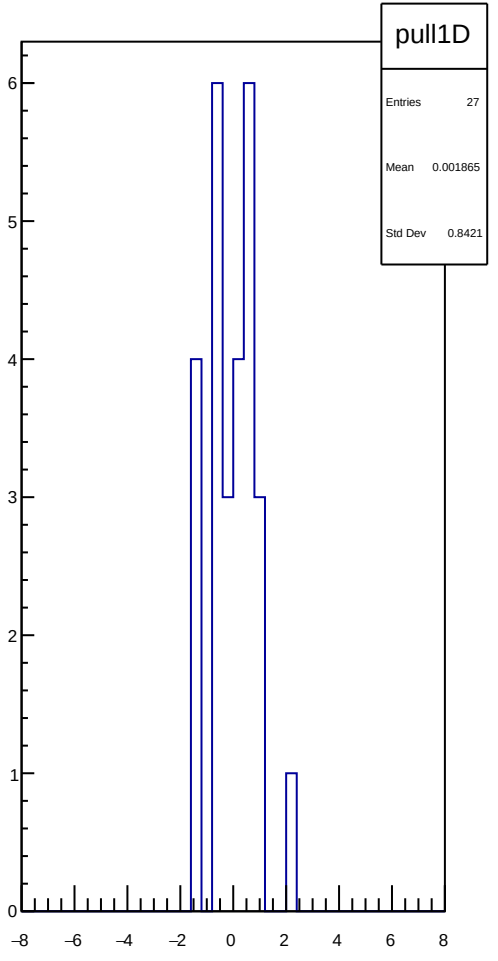
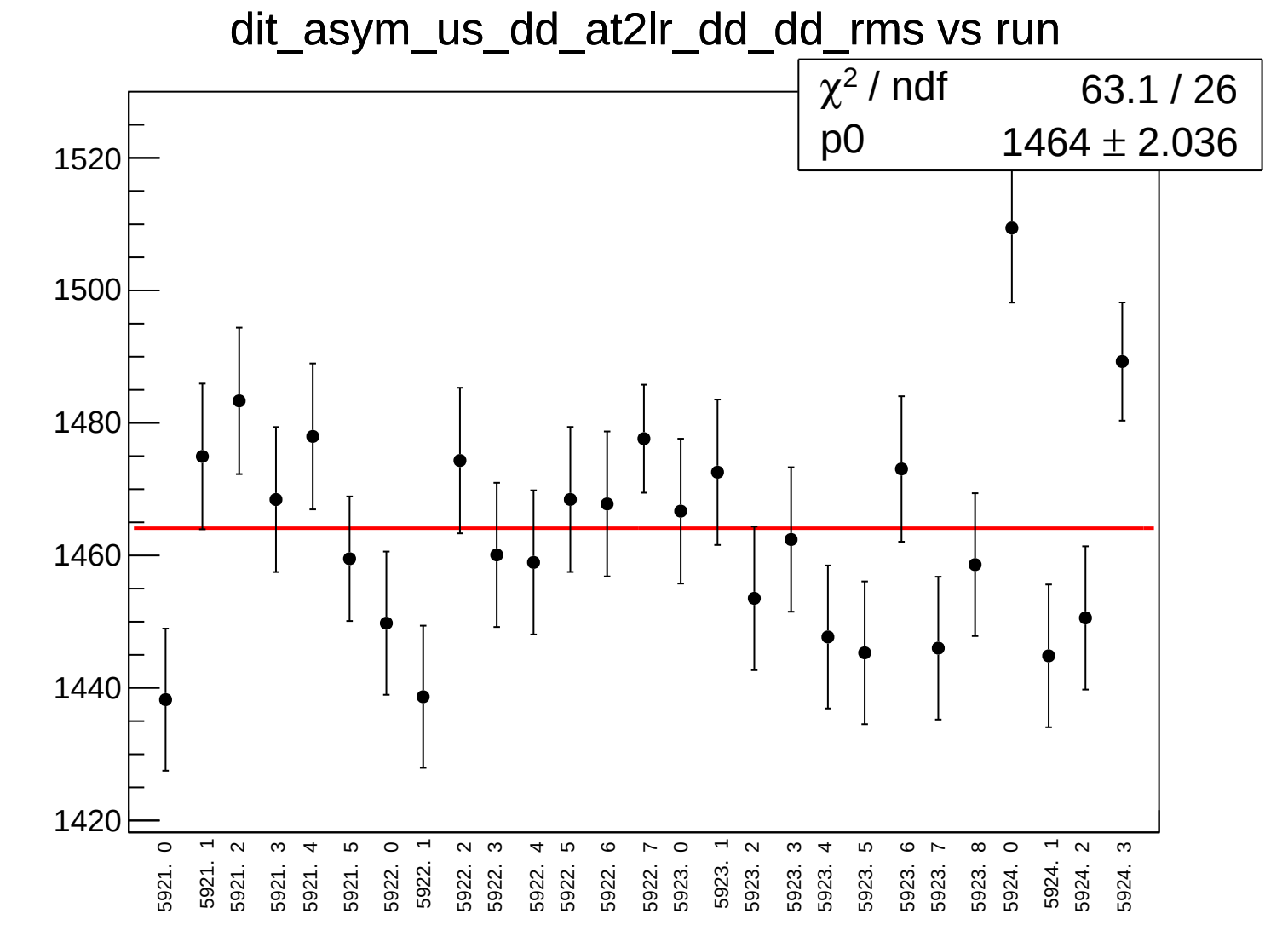
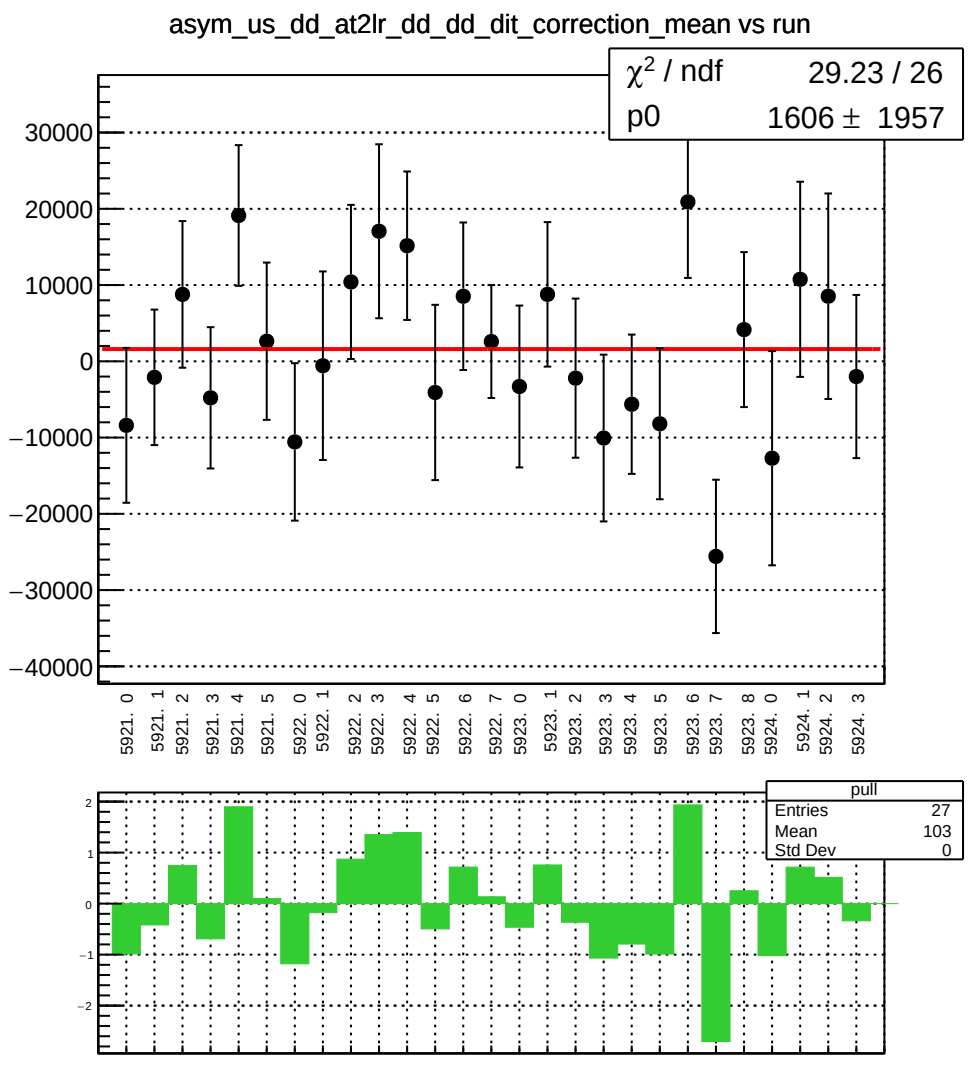
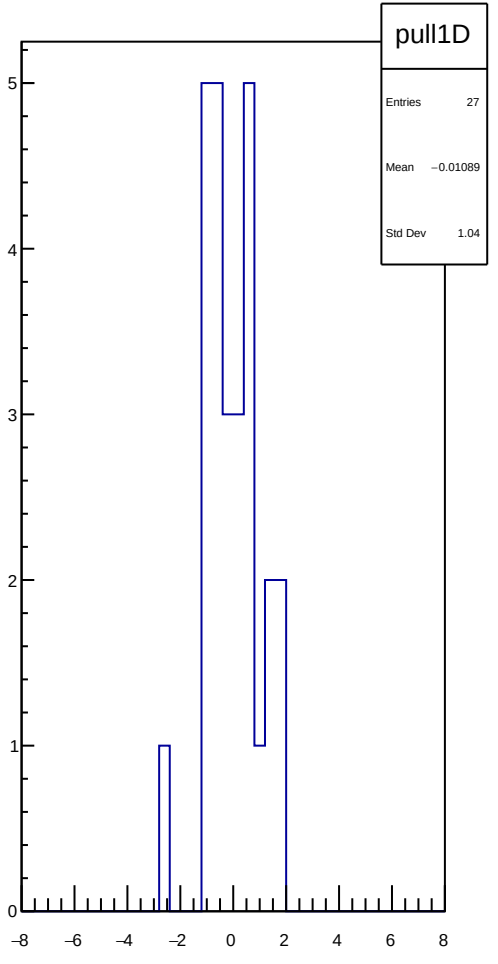
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

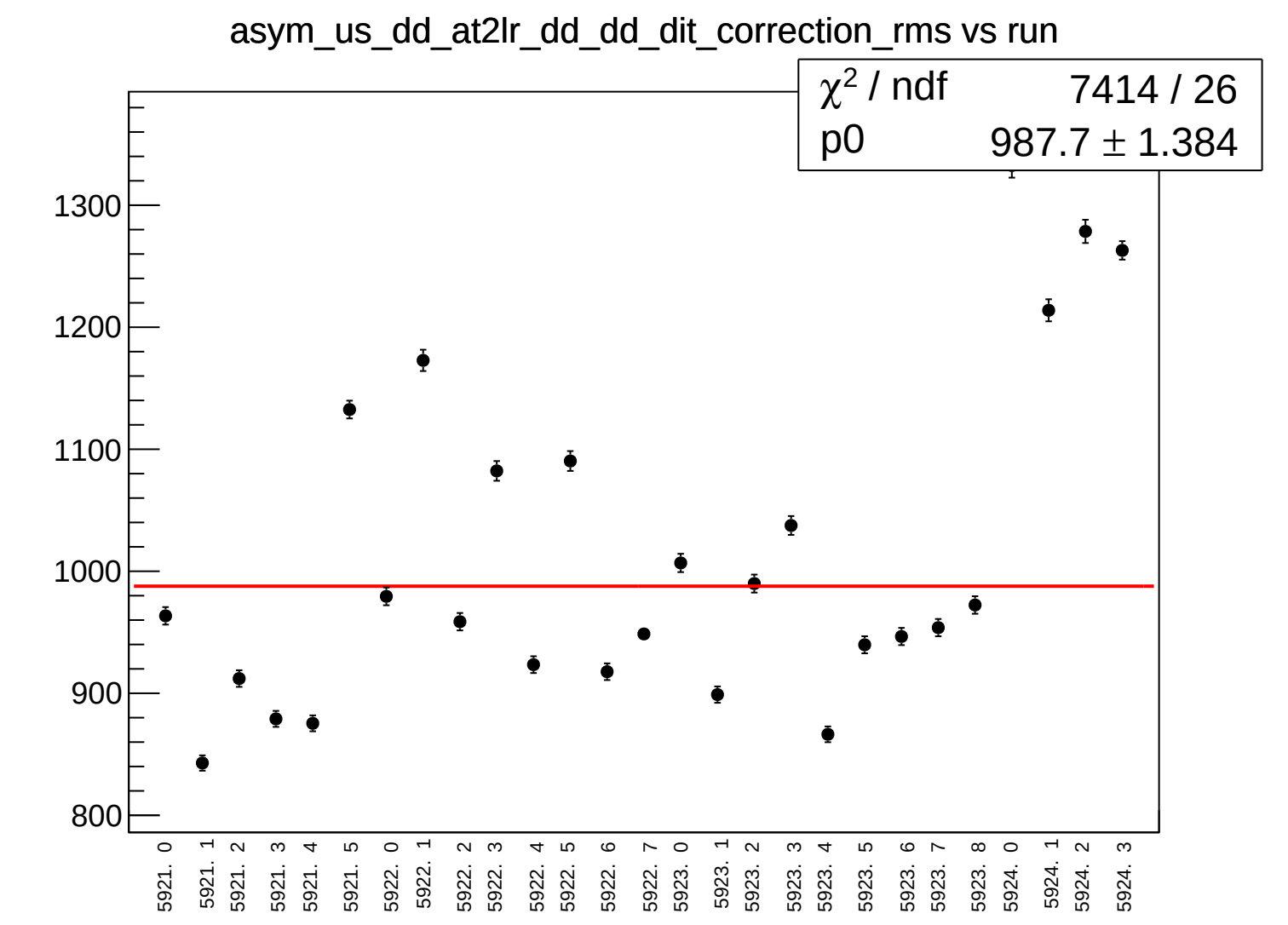

pull
Entries 27
Mean 1068
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

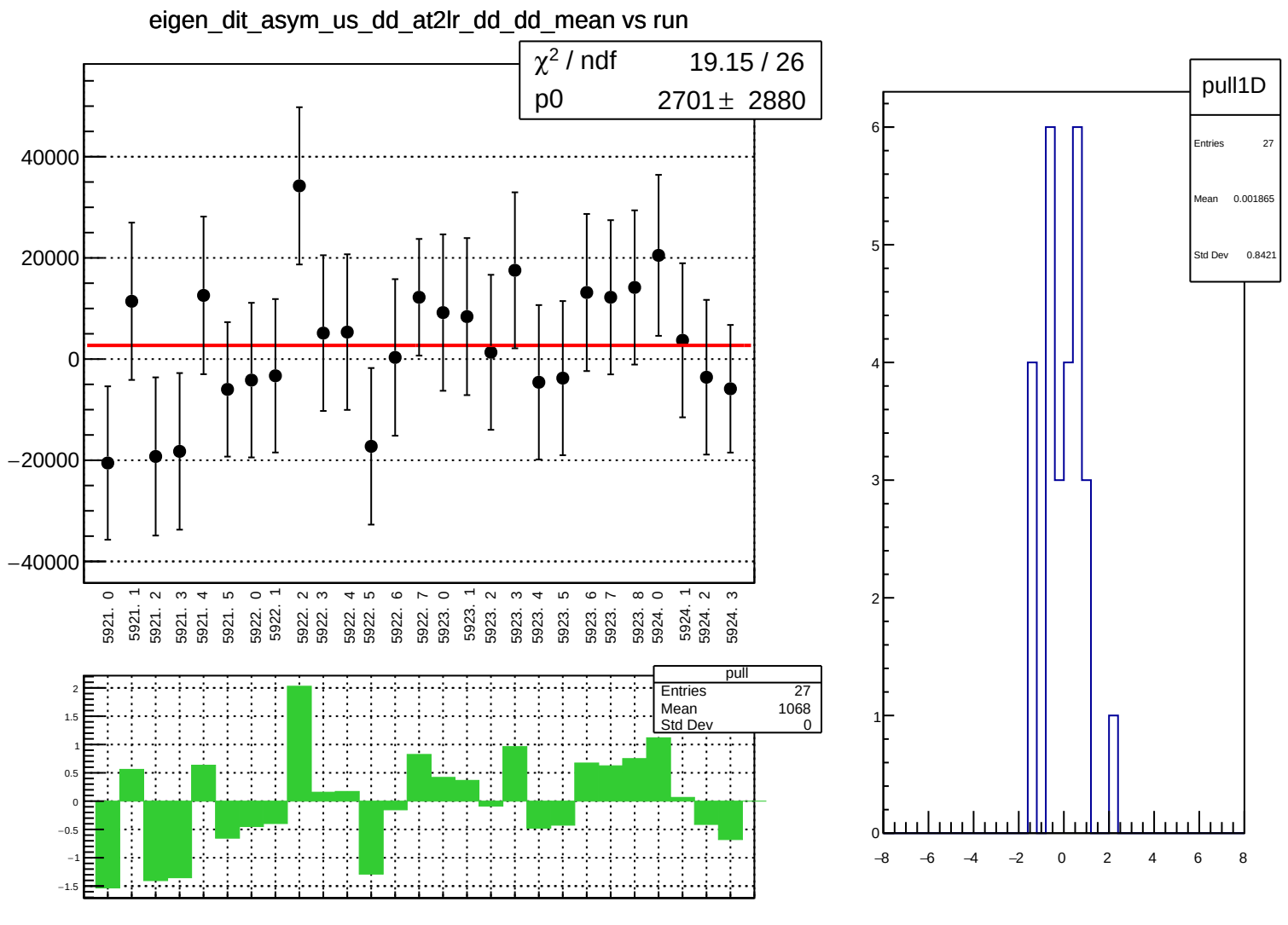

pull1D
Entries 27
Mean 0.001865
Std Dev 0.8421
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

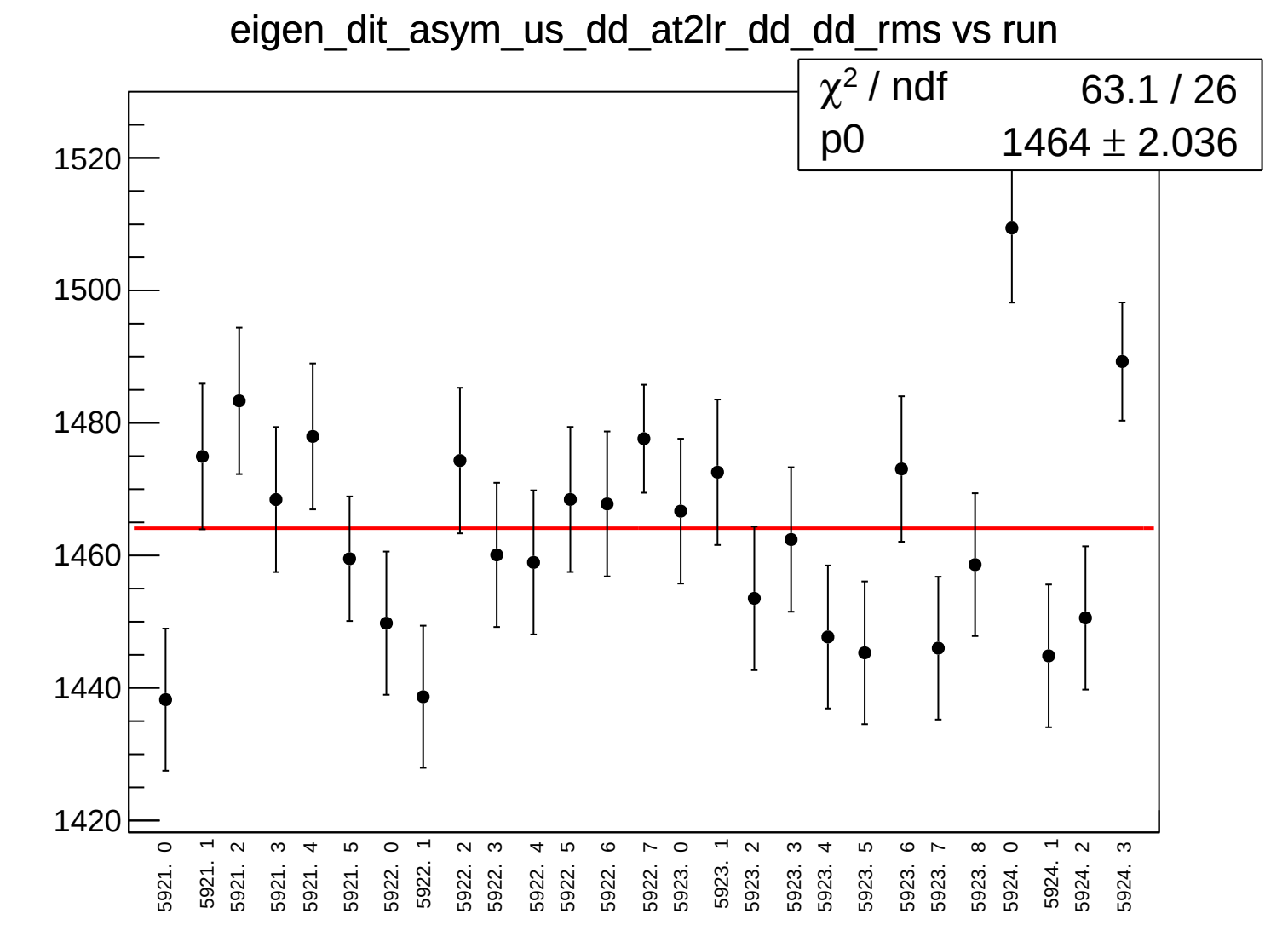

dit_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 63.1 / 26
p0 1464 ± 2.036
1520
1500
1480
1460
1440
1420
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

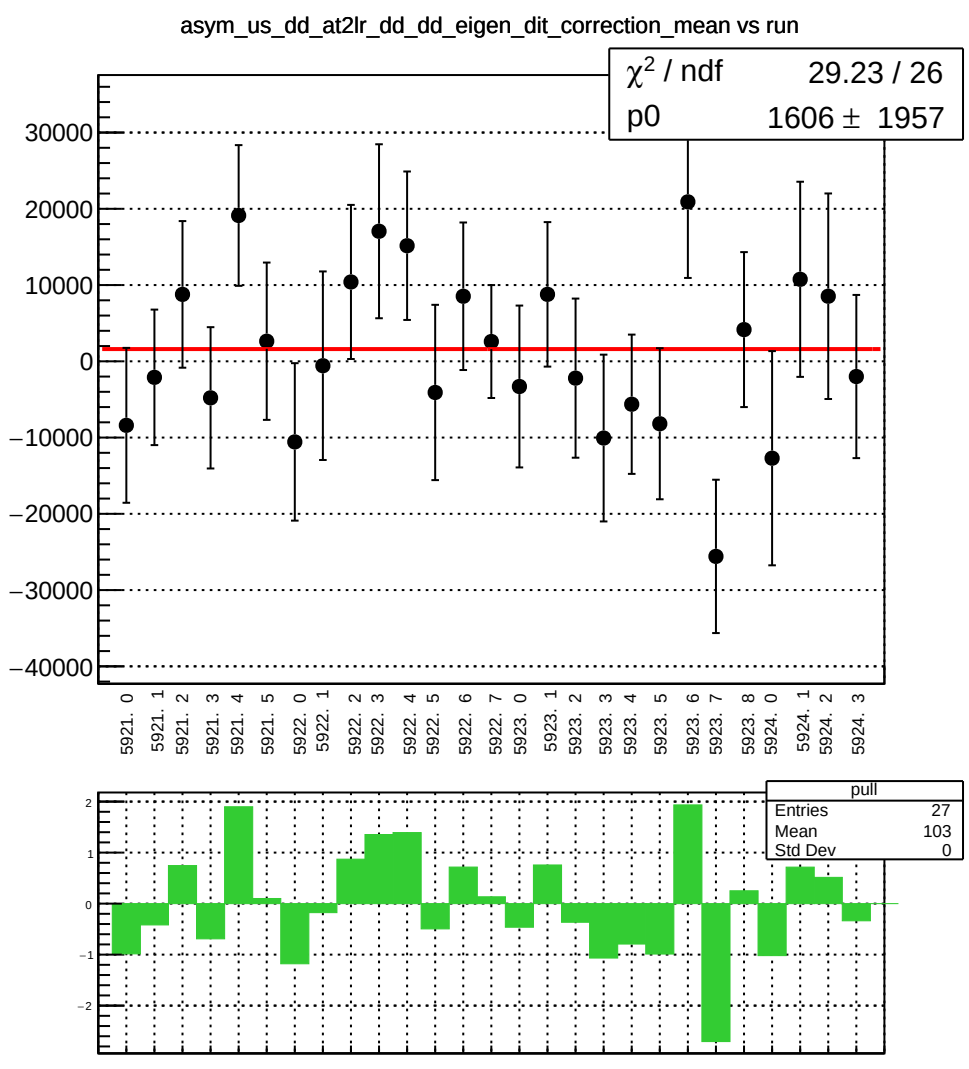

asym_us_dd_at2lr_dd_dd_dit_correction_mean vs run
χ² / ndf 29.23 / 26
p0 1606 ± 1957
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 103
Std Dev 0
2
1
0
−1
−2

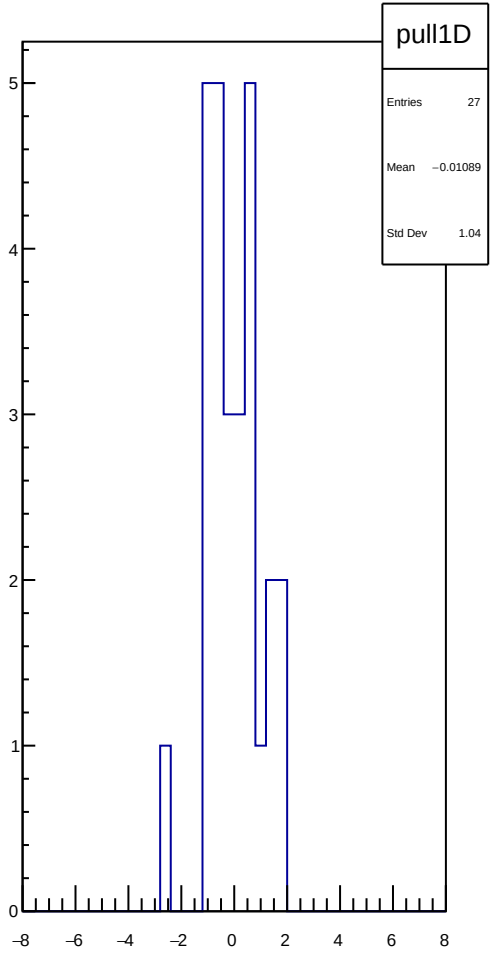

pull1D
Entries 27
Mean −0.01089
Std Dev 1.04
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

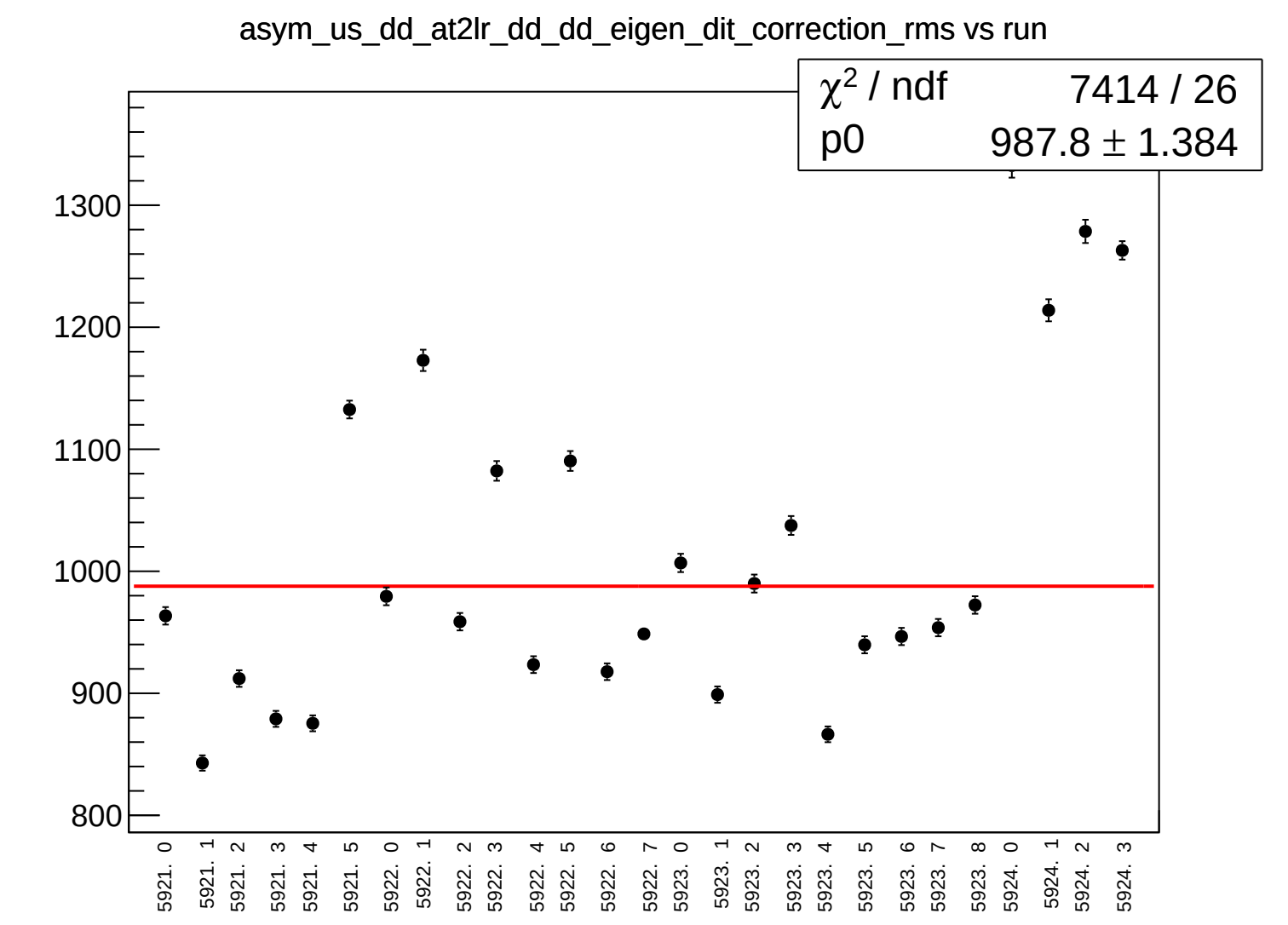

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs run
χ² / ndf 7414 / 26
p0 987.7 ± 1.384
1300
1200
1100
1000
900
800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

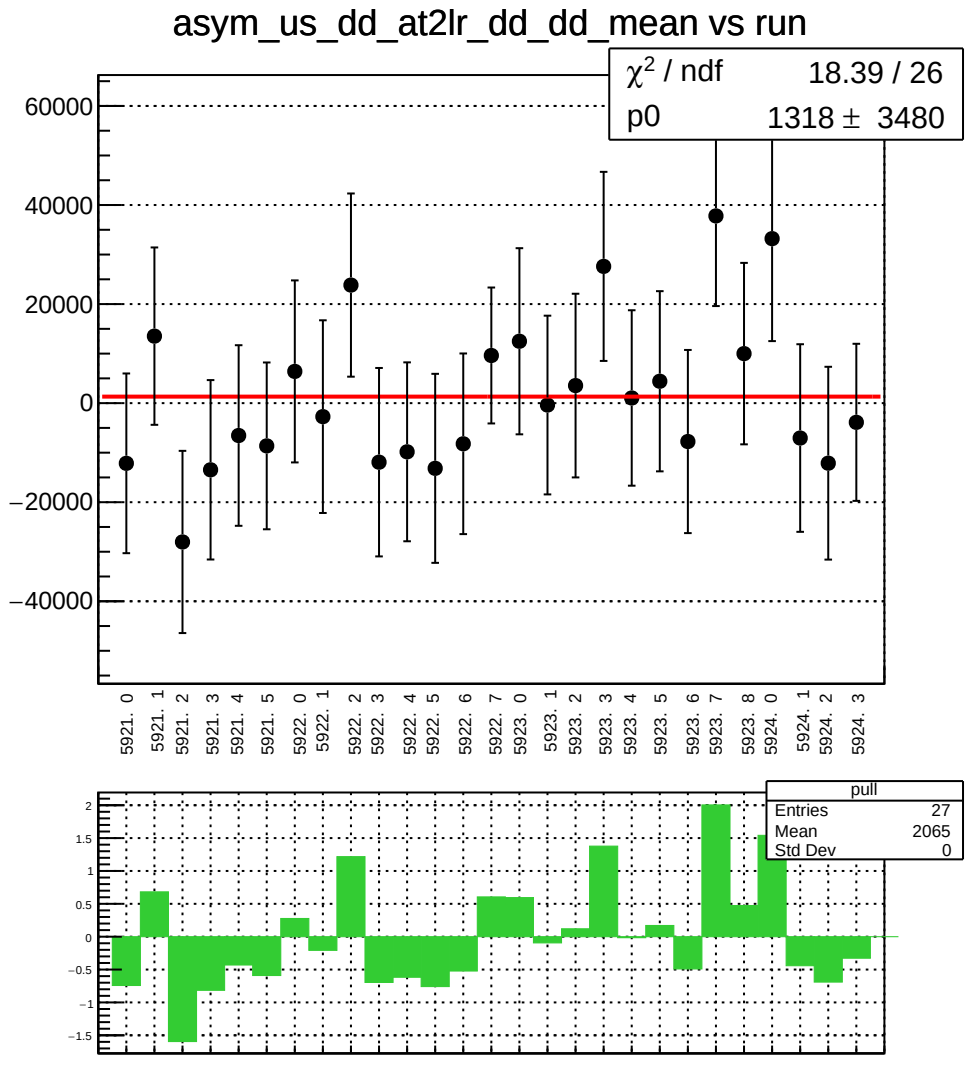

eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 19.15 / 26
p0 2701 ± 2880
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 1068
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.001865
Std Dev 0.8421
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

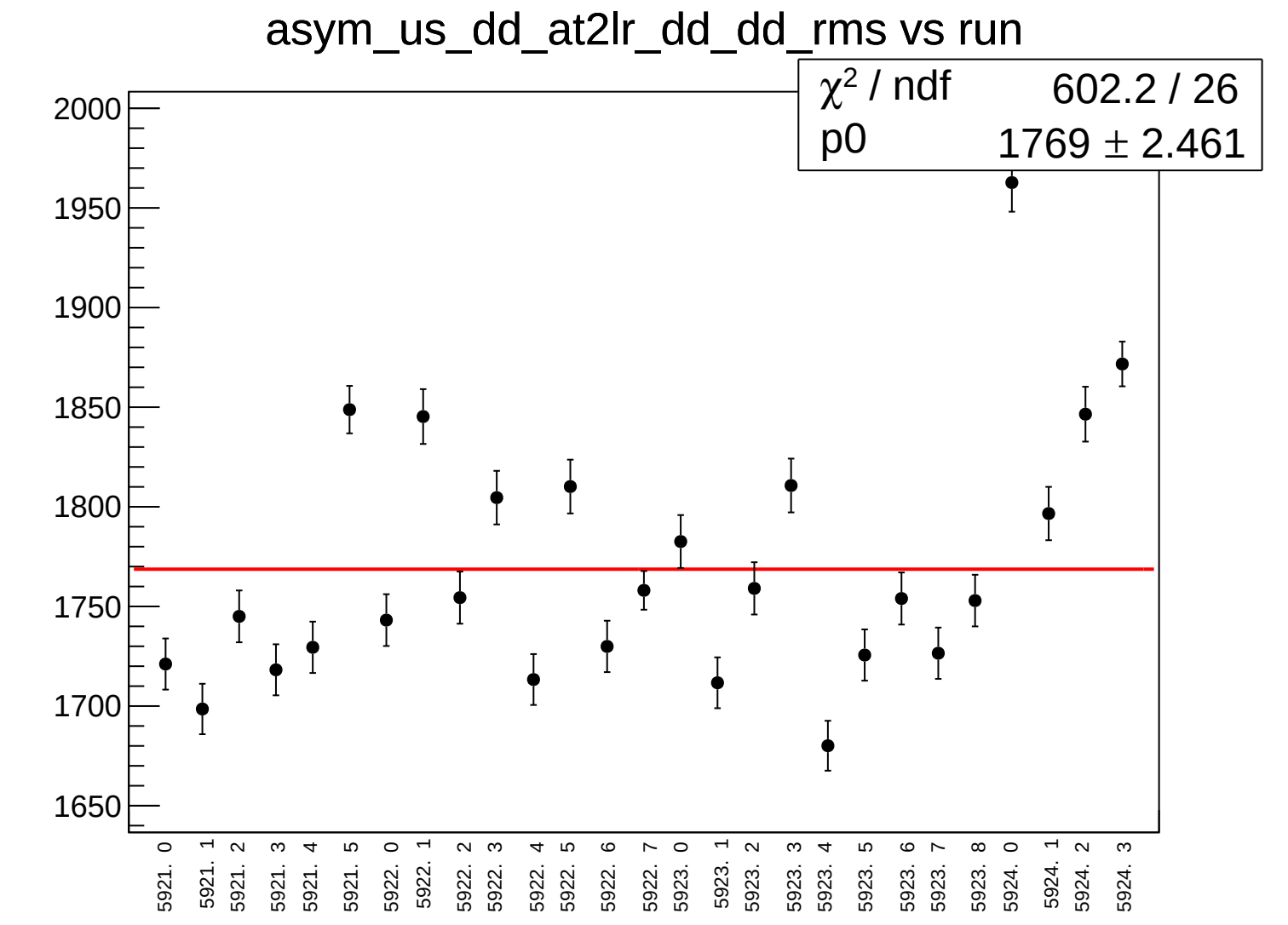

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 63.1 / 26
p0 1464 ± 2.036
1520
1500
1480
1460
1440
1420
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

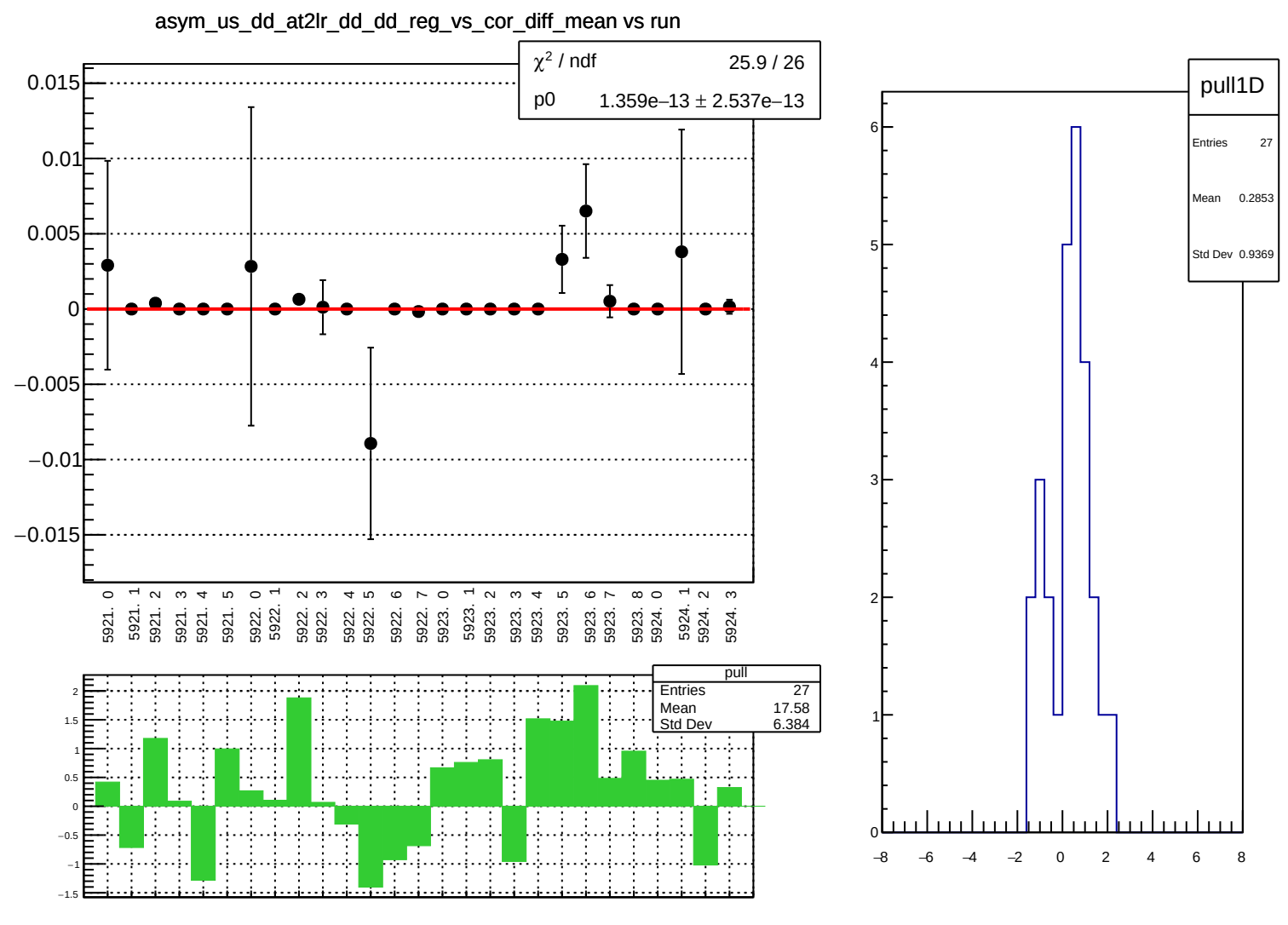

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 29.23 / 26
p0 1606 ± 1957
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 103
Std Dev 0
2
1
0
−1
−2

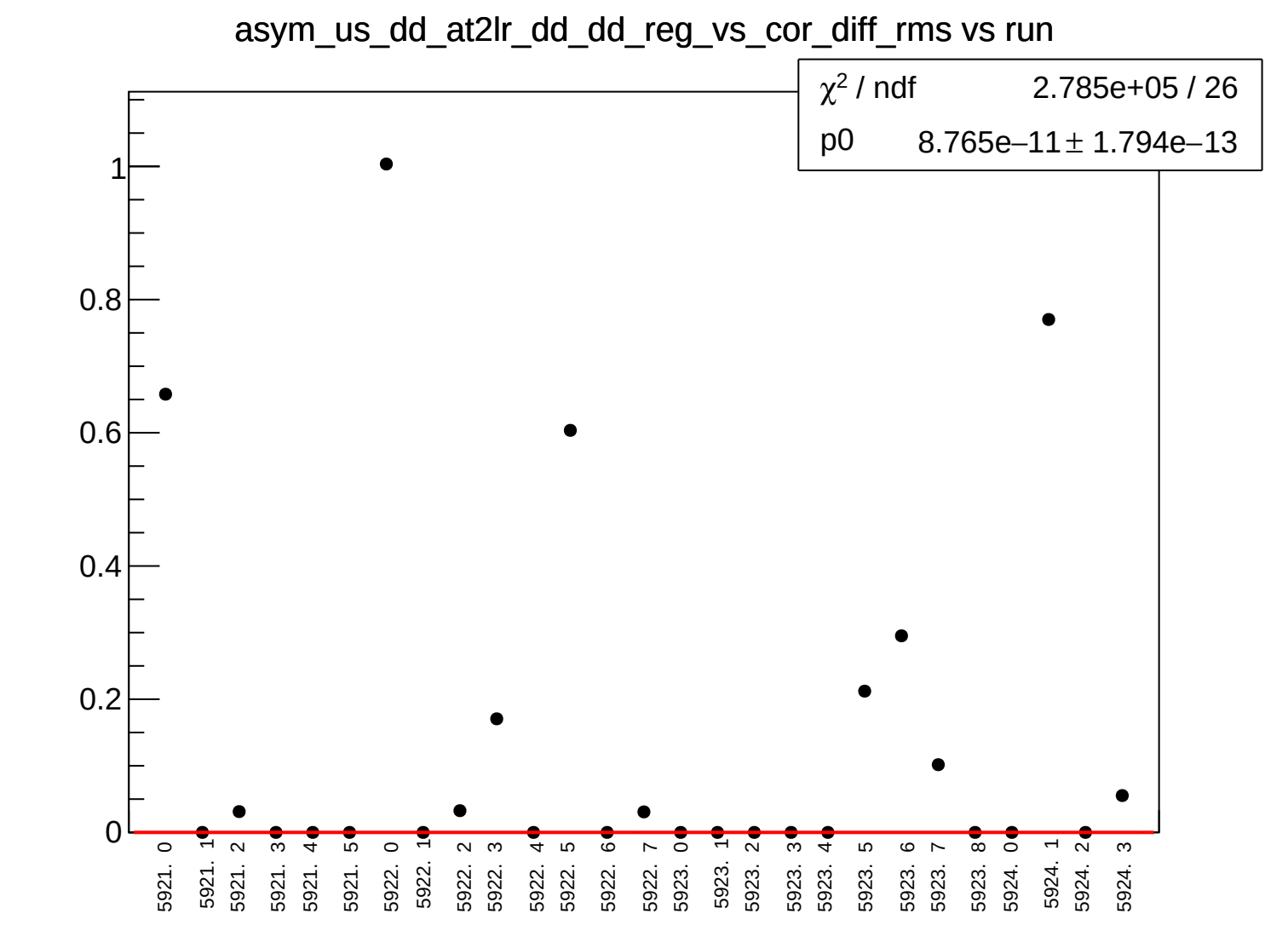

pull1D
Entries 27
Mean −0.01089
Std Dev 1.04
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

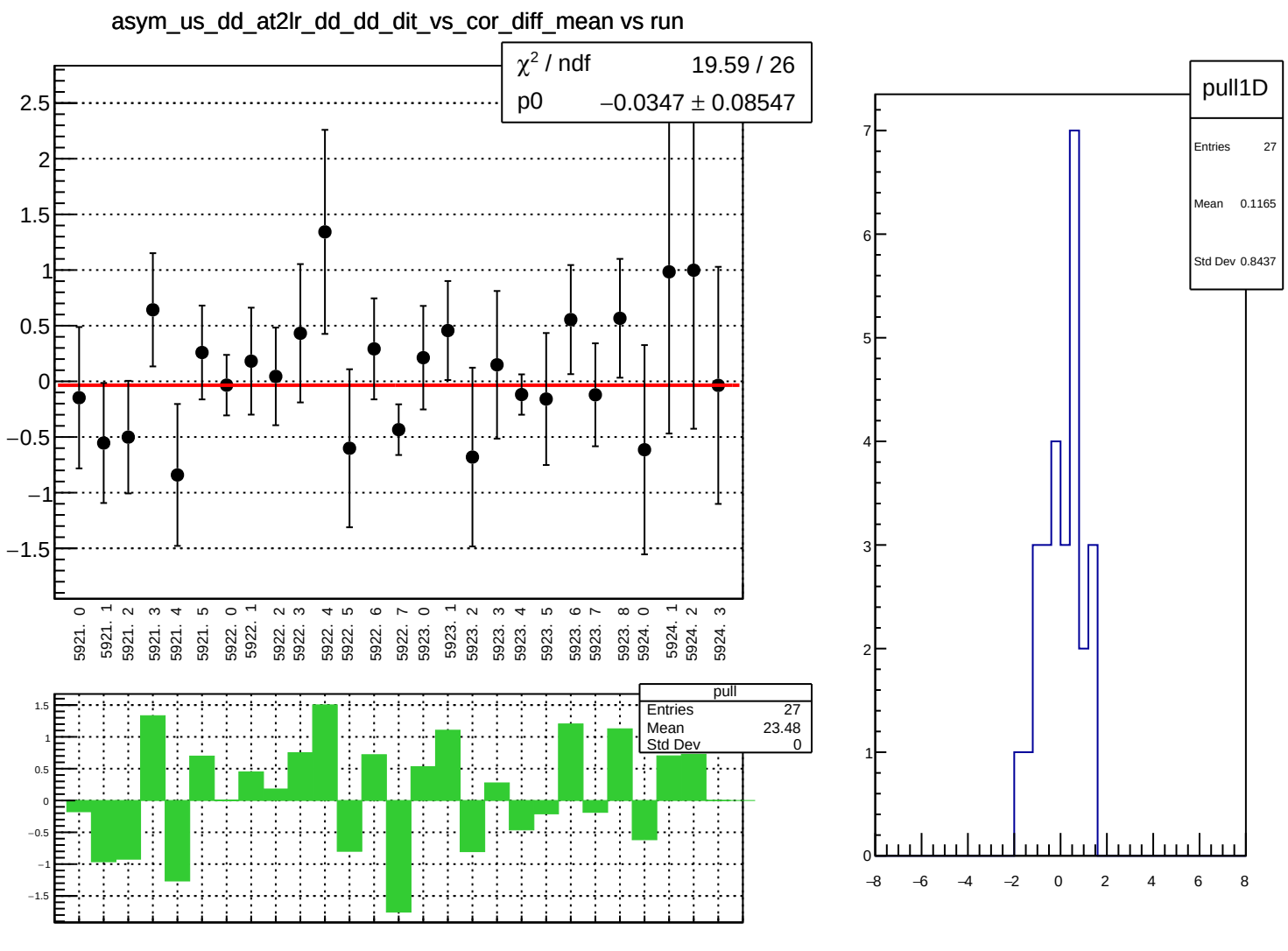

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 7414 / 26
p0 987.8 ± 1.384
1300
1200
1100
1000
900
800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

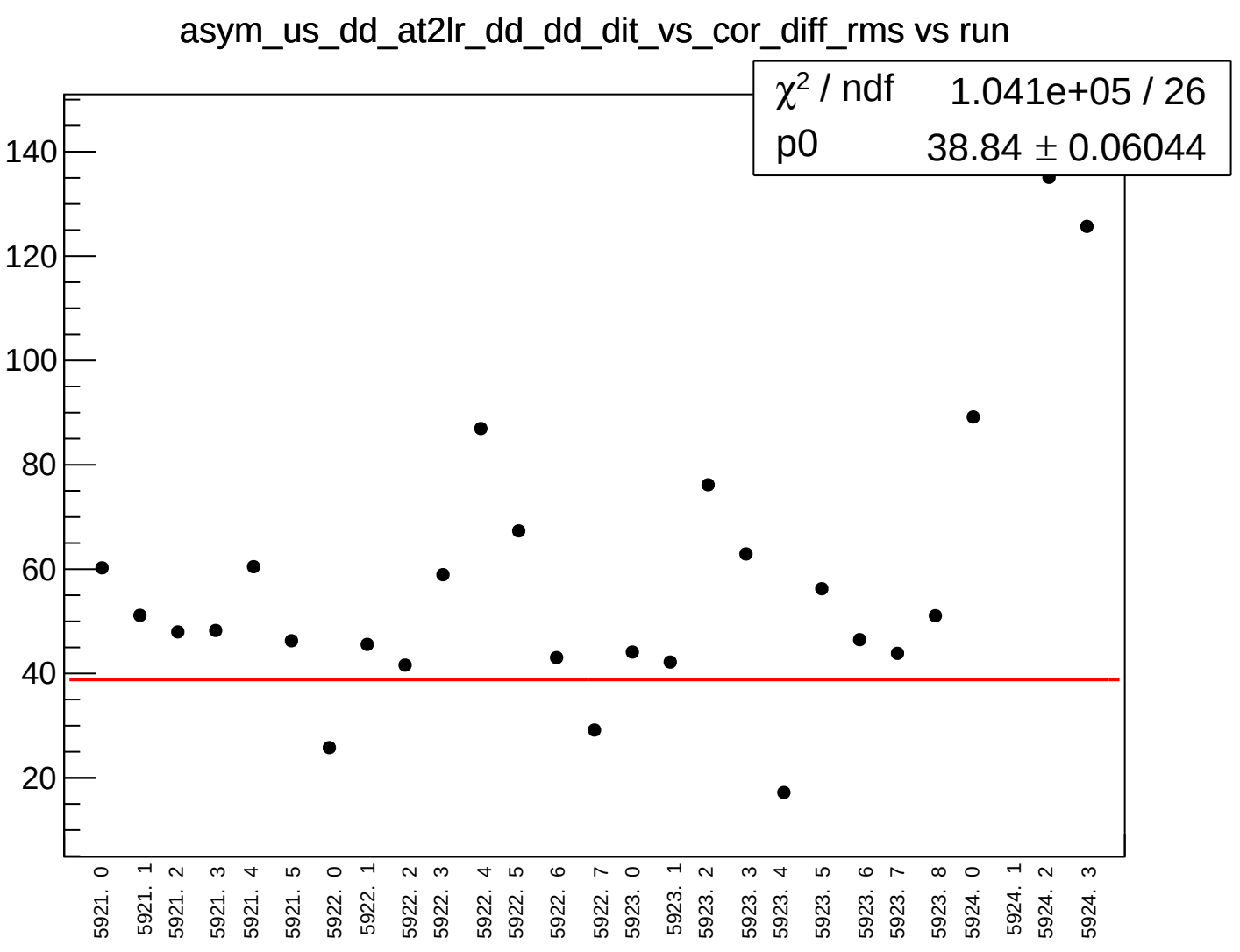

asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 18.39 / 26
p0 1318 ± 3480
60000
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 2065
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.001043
Std Dev 0.8252
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

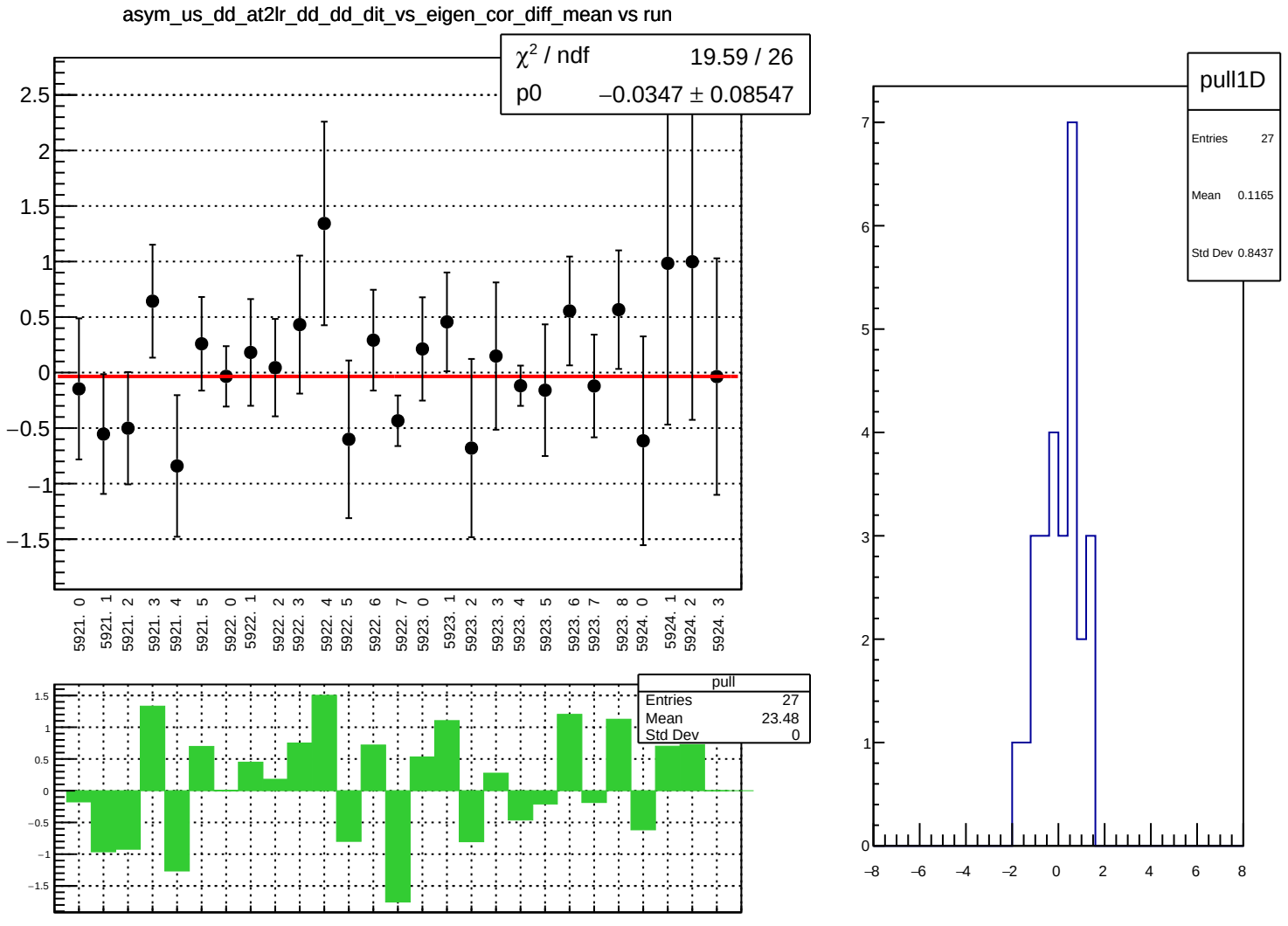

asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 602.2 / 26
p0 1769 ± 2.461
2000
1950
1900
1850
1800
1750
1700
1650
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

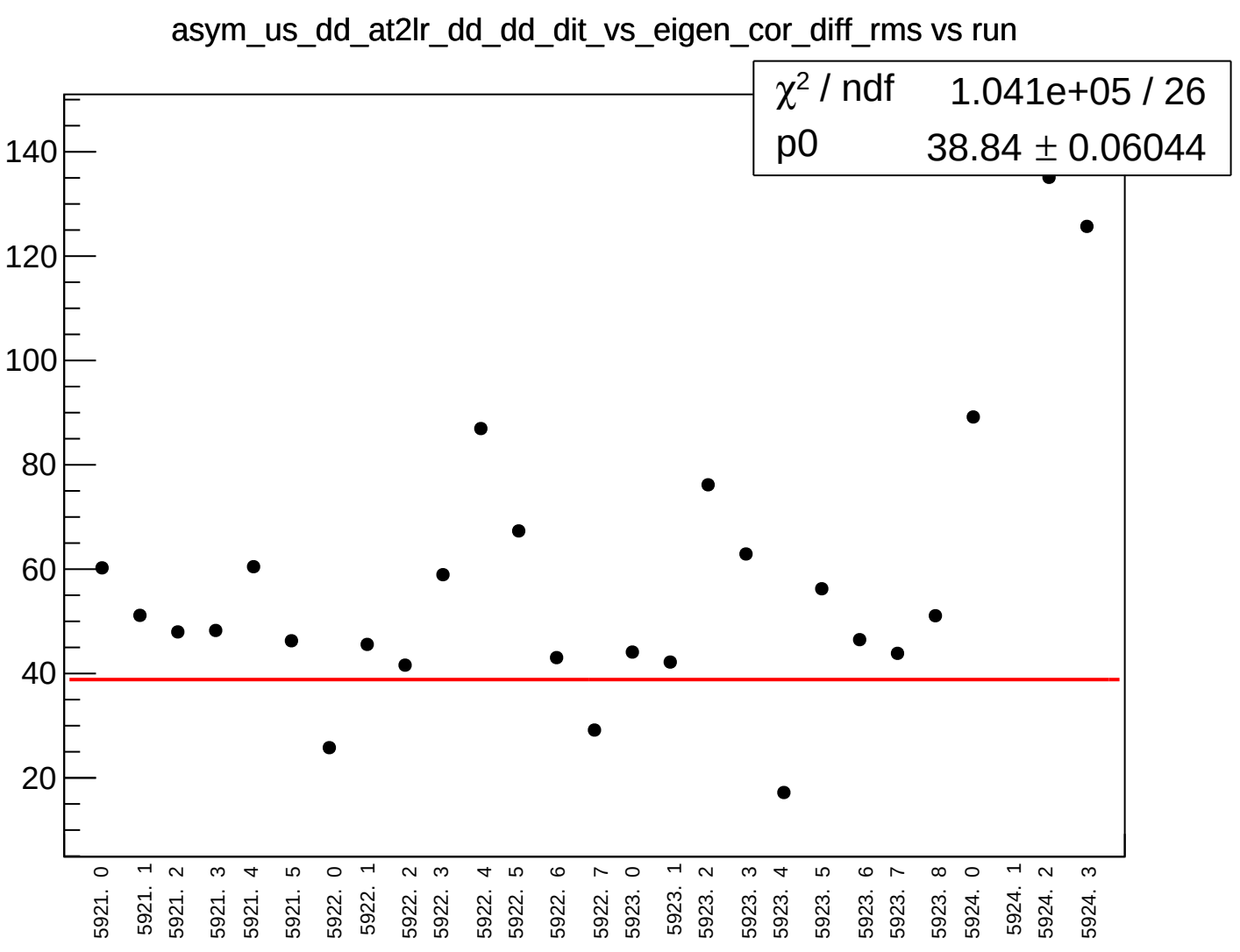

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 25.9 / 26
p0 1.359e−13 ± 2.537e−13
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 17.58
Std Dev 6.384
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.2853
Std Dev 0.9369
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

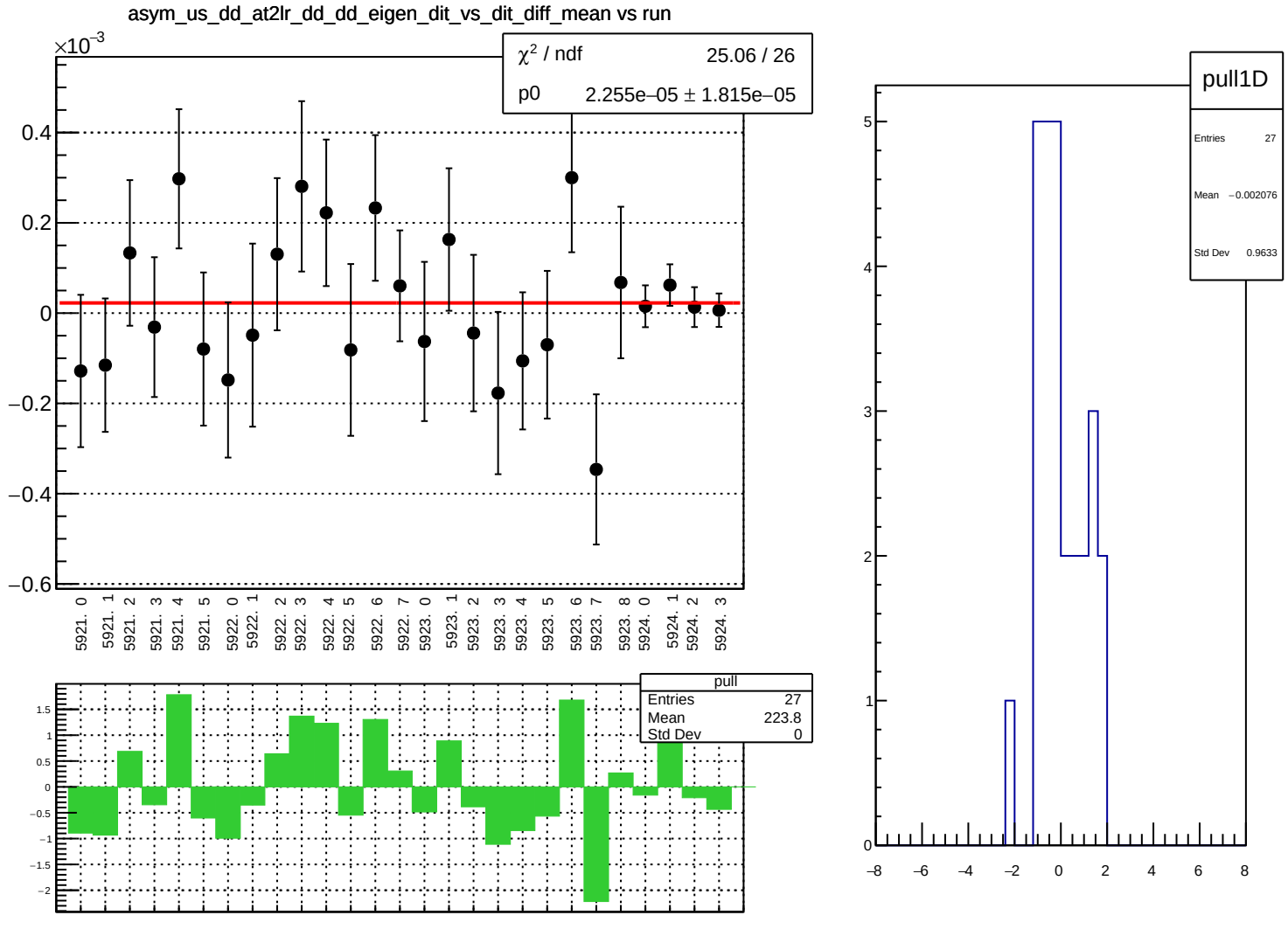

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 2.785e+05 / 26
p0 8.765e−11 ± 1.794e−13
1
0.8
0.6
0.4
0.2
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

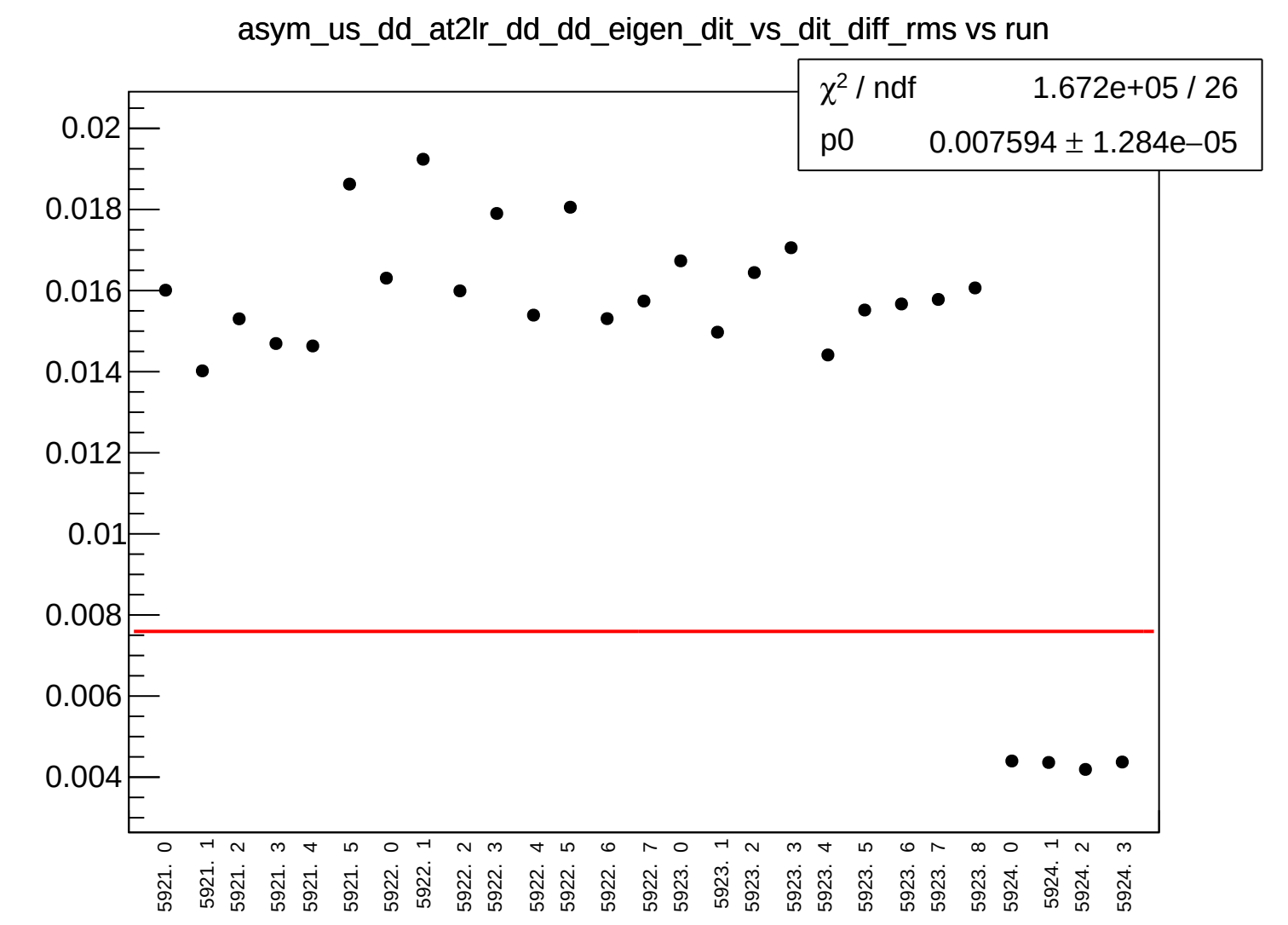

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 19.59 / 26
p0 −0.0347 ± 0.08547
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 23.48
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.1165
Std Dev 0.8437
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

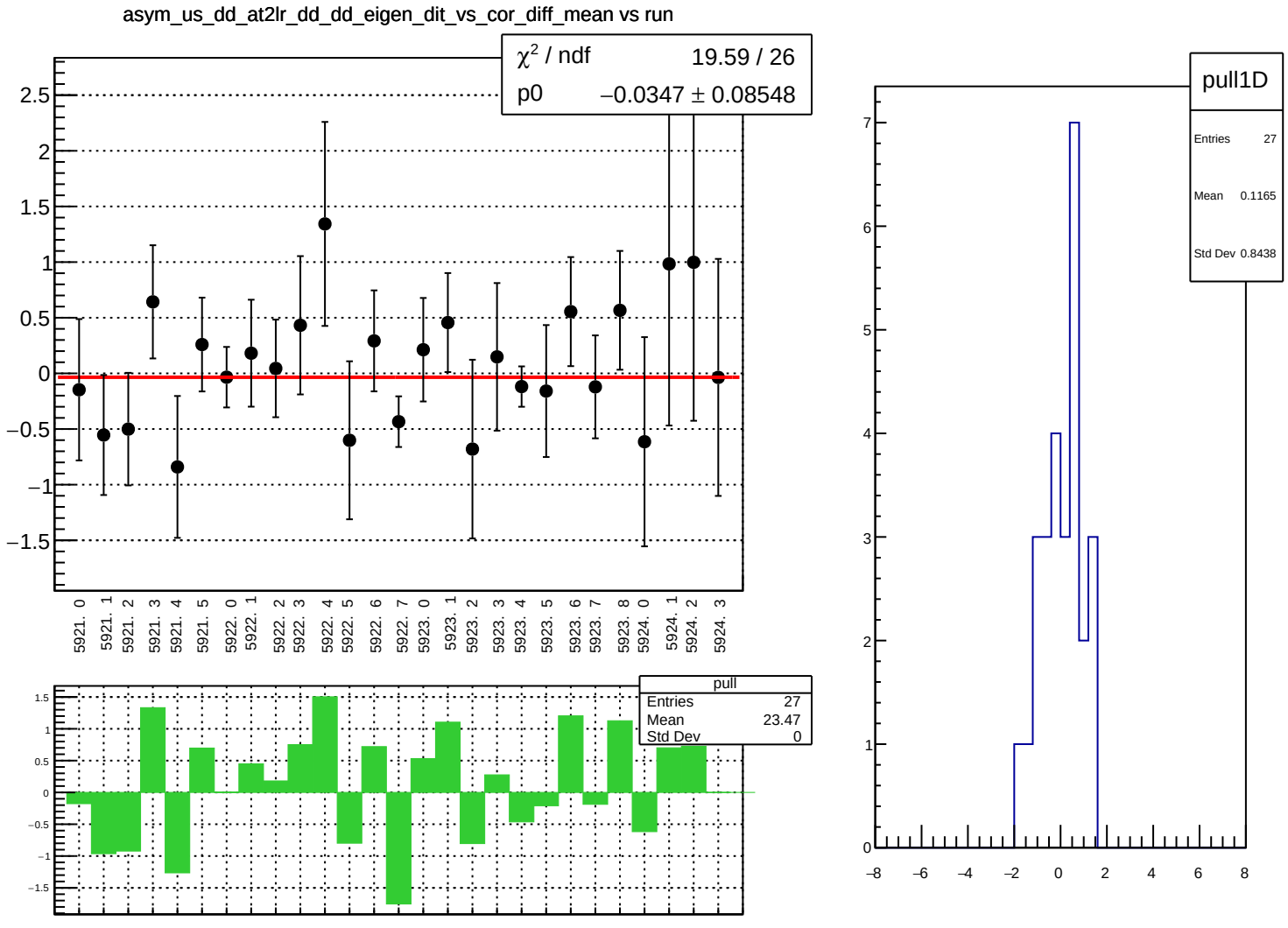

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.041e+05 / 26
p0 38.84 ± 0.06044
140
120
100
80
60
40
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

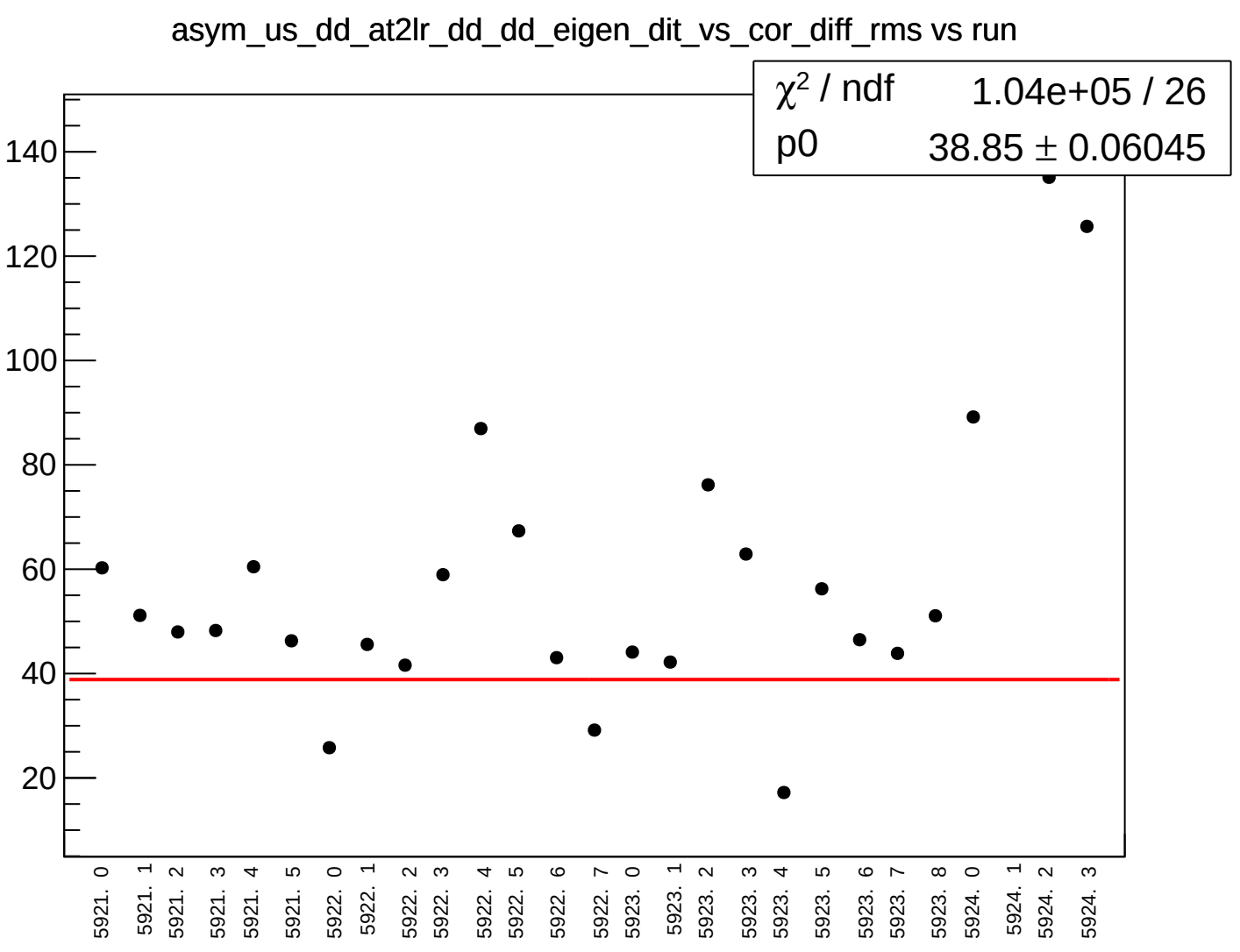

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 19.59 / 26
p0 −0.0347 ± 0.08547
pull
Entries 27
Mean 23.48
Std Dev 0
pull1D
Entries 27
Mean 0.1165
Std Dev 0.8437

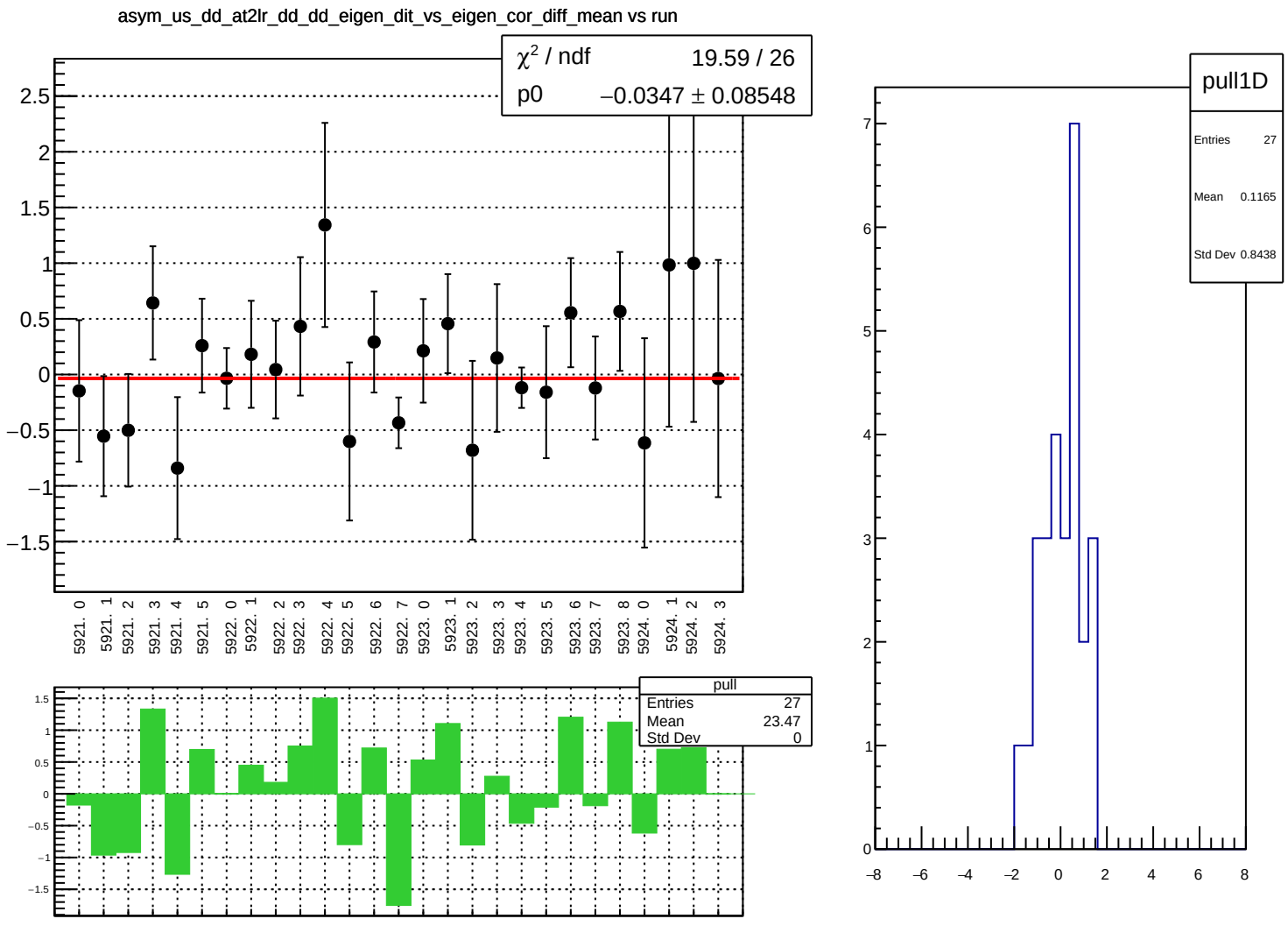

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.041e+05 / 26
p0 38.84 ± 0.06044
140
120
100
80
60
40
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

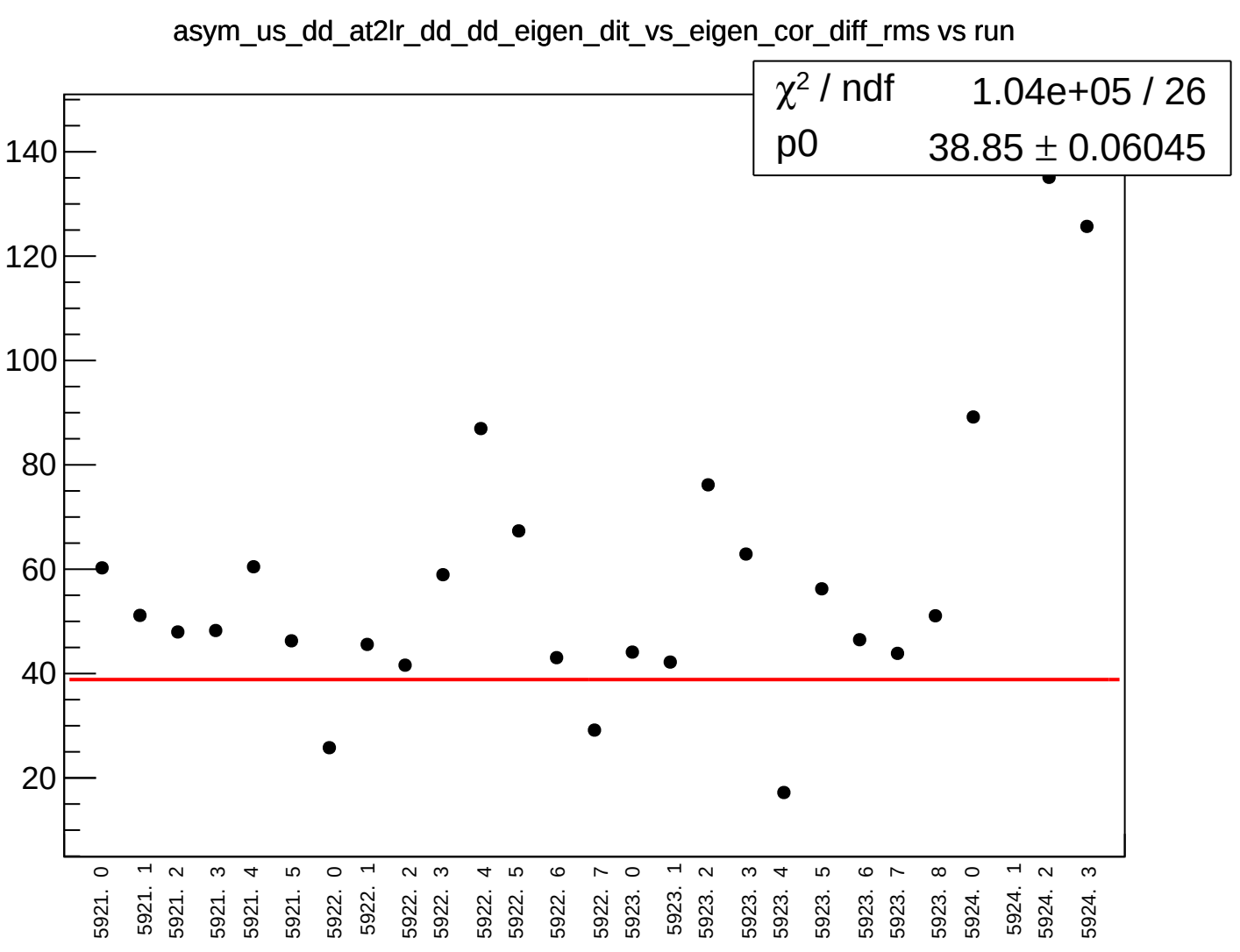

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 25.06 / 26
p0 2.255e−05 ± 1.815e−05
0.4
0.2
0
−0.2
−0.4
−0.6
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 223.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.002076
Std Dev 0.9633
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

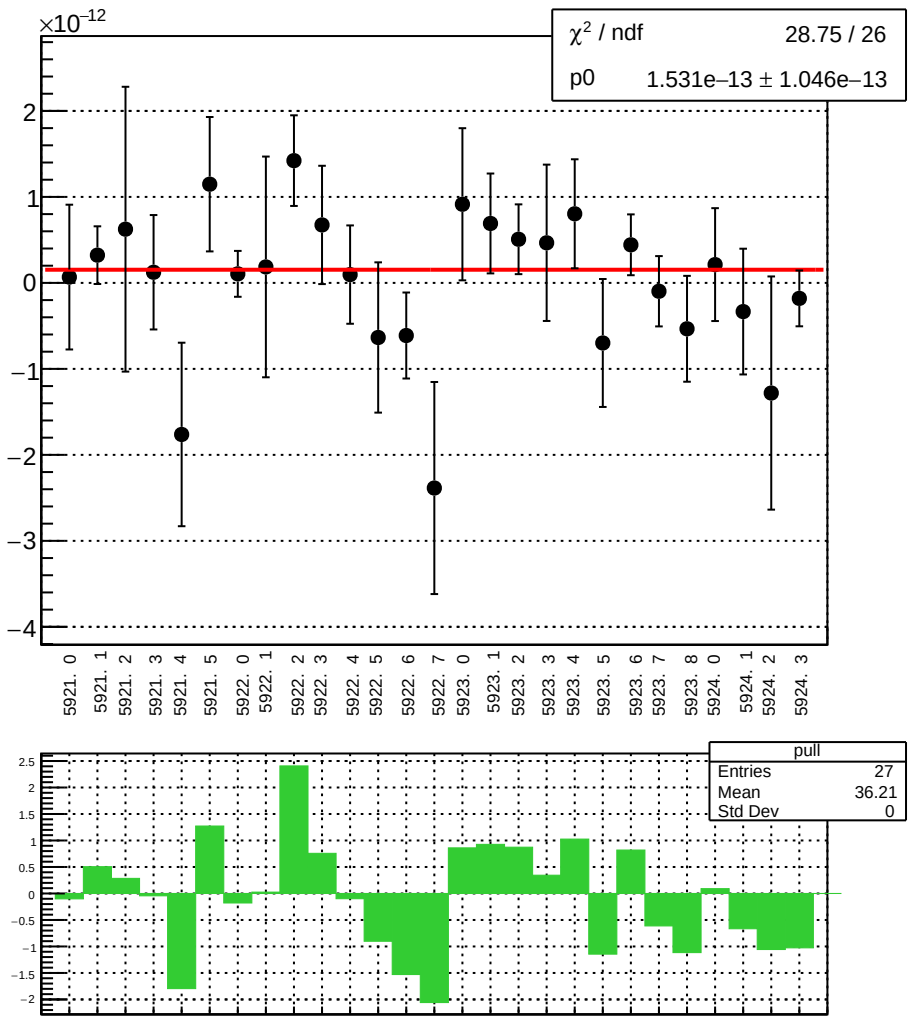

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.672e+05 / 26
p0 0.007594 ± 1.284e−05
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

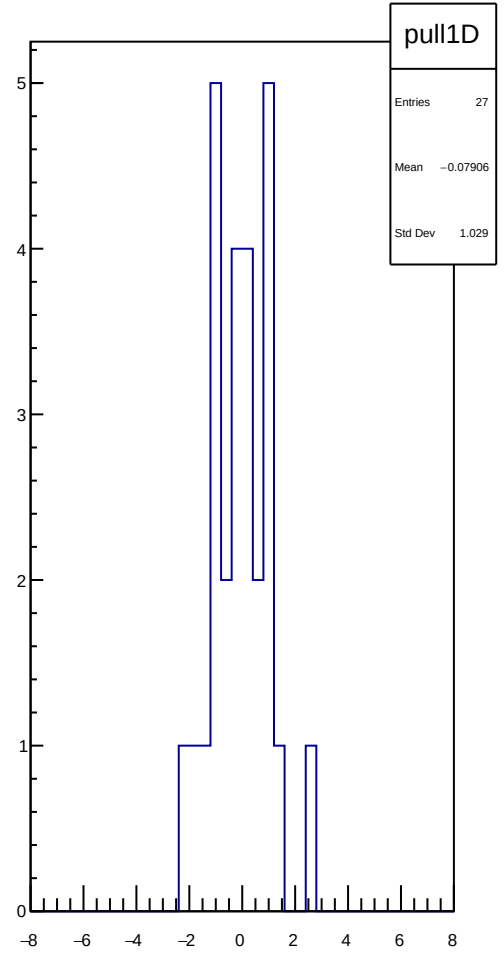

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 19.59 / 26
p0 −0.0347 ± 0.08548
pull
Entries 27
Mean 23.47
Std Dev 0
pull1D
Entries 27
Mean 0.1165
Std Dev 0.8438

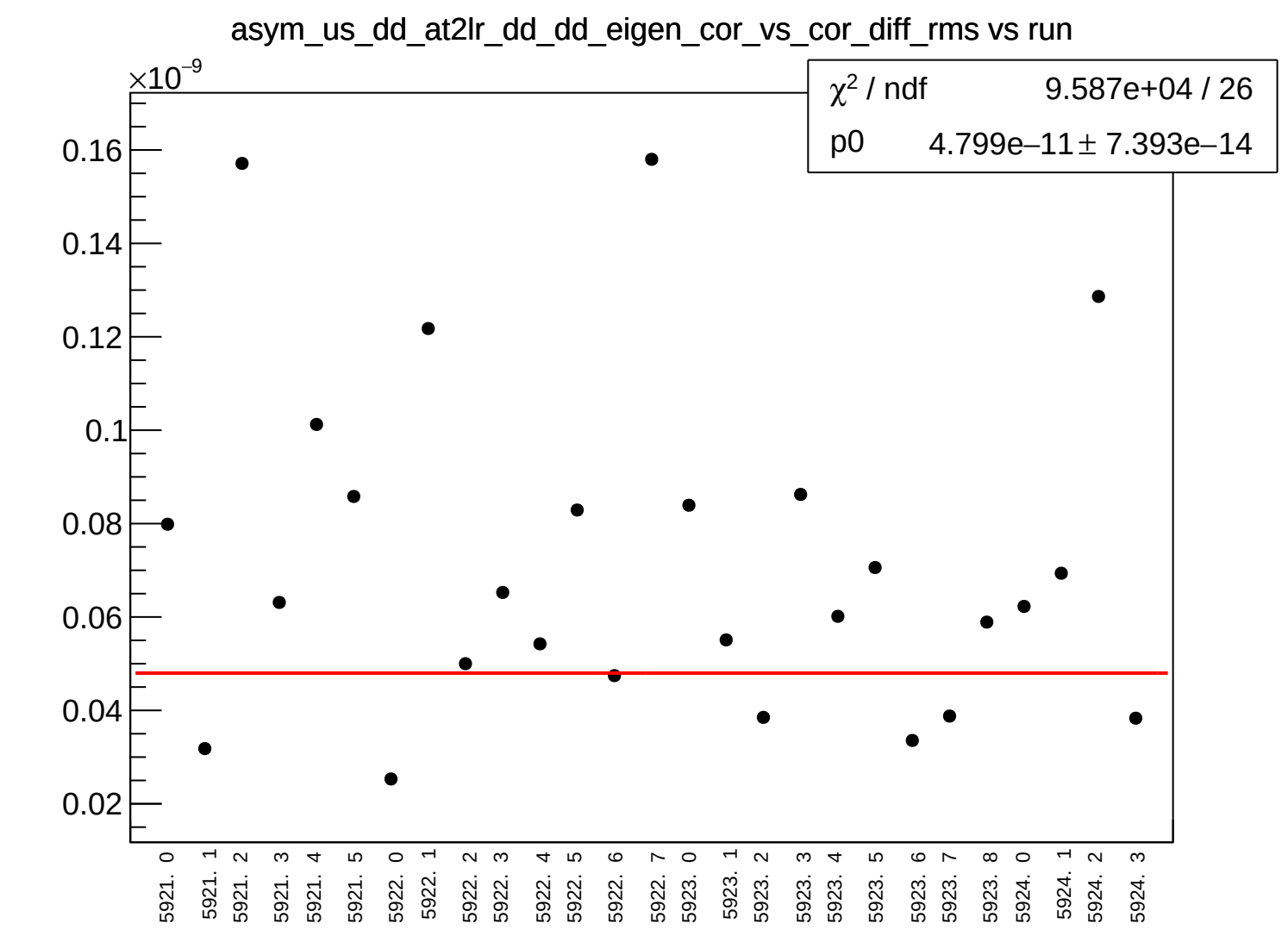

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.04e+05 / 26
p0 38.85 ± 0.06045
140
120
100
80
60
40
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

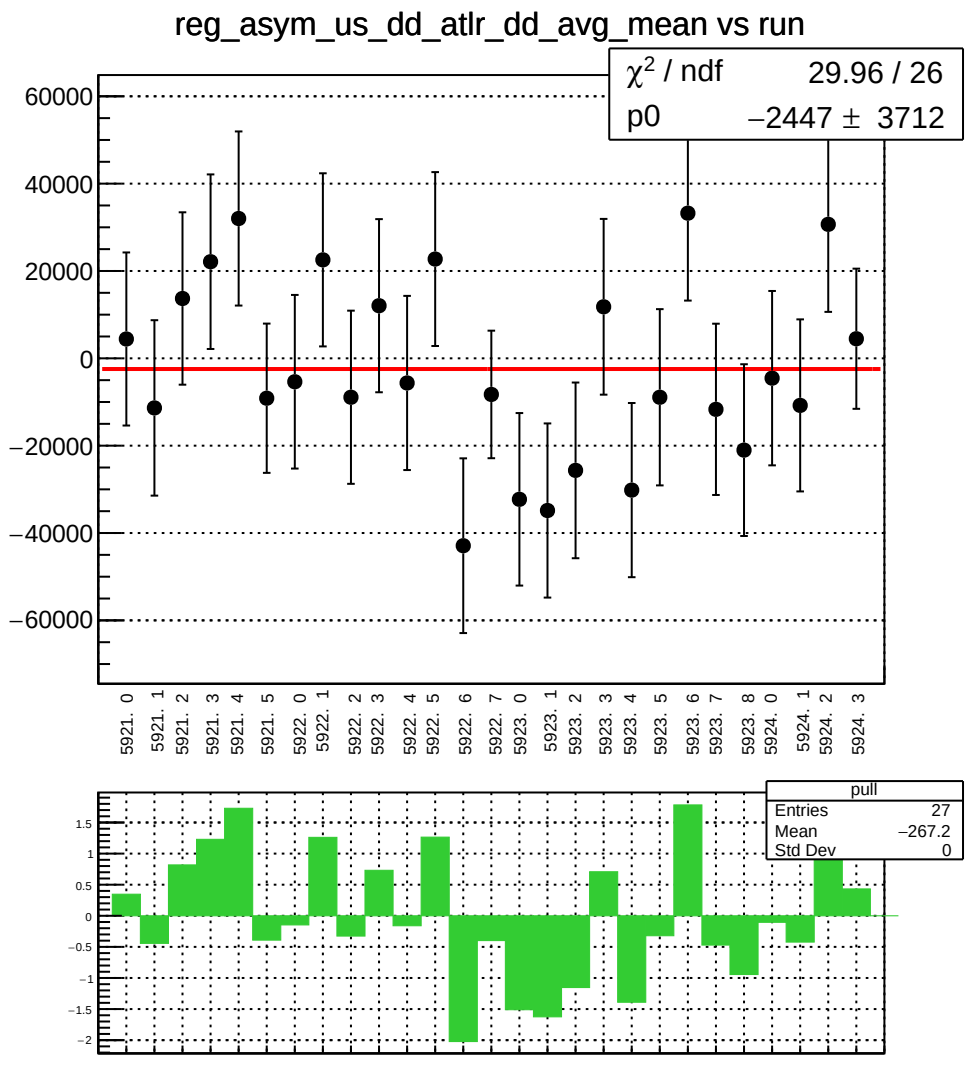

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 19.59 / 26
p0 −0.0347 ± 0.08548
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 23.47
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.1165
Std Dev 0.8438
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

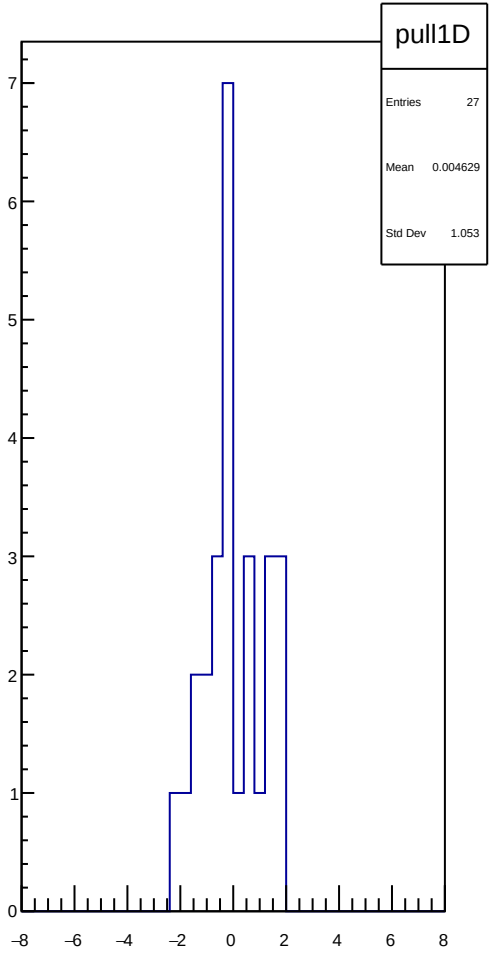

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.04e+05 / 26
p0 38.85 ± 0.06045
140
120
100
80
60
40
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

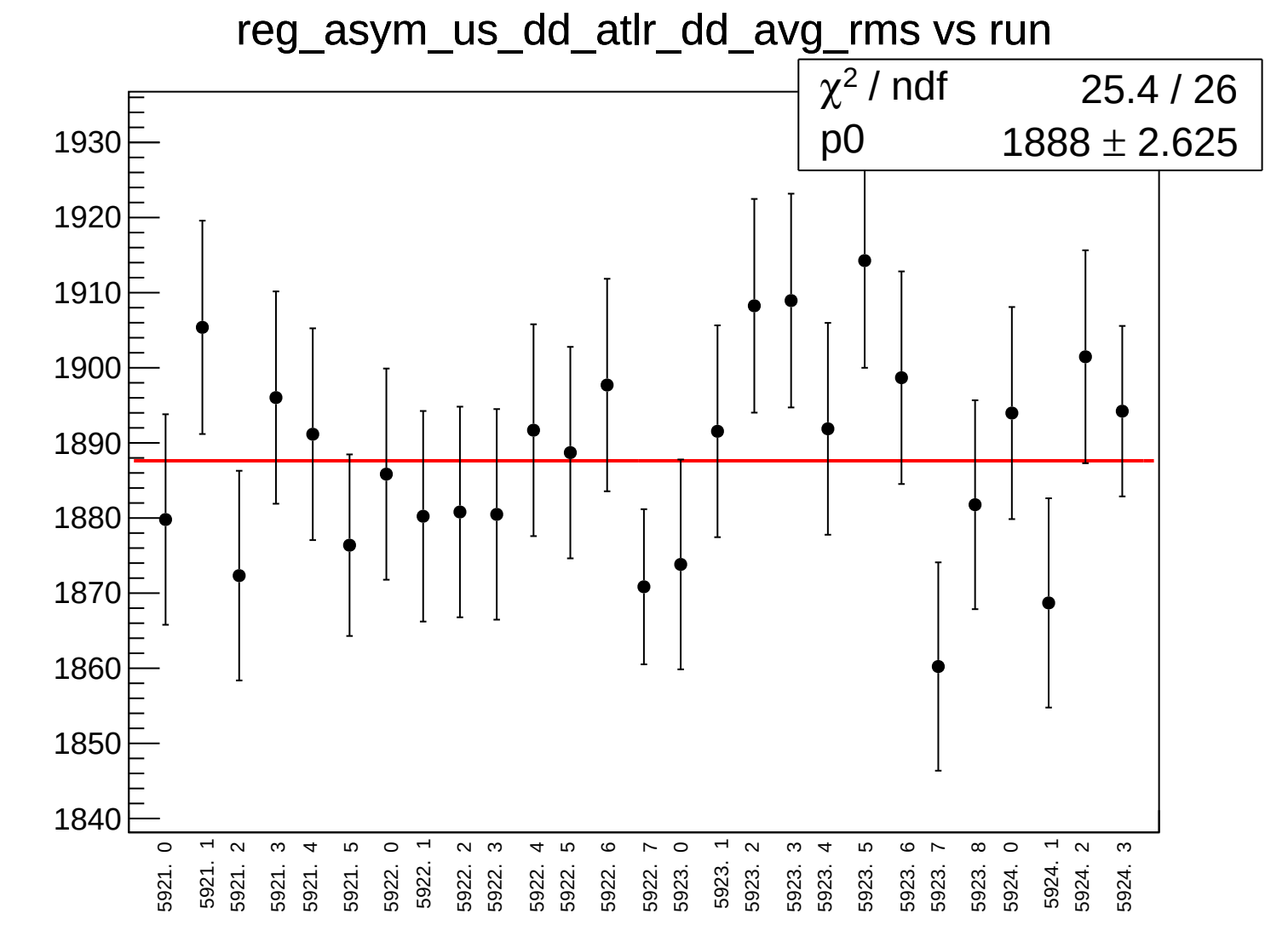

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 28.75 / 26
p0 1.531e−13 ± 1.046e−13
pull
Entries 27
Mean 36.21
Std Dev 0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

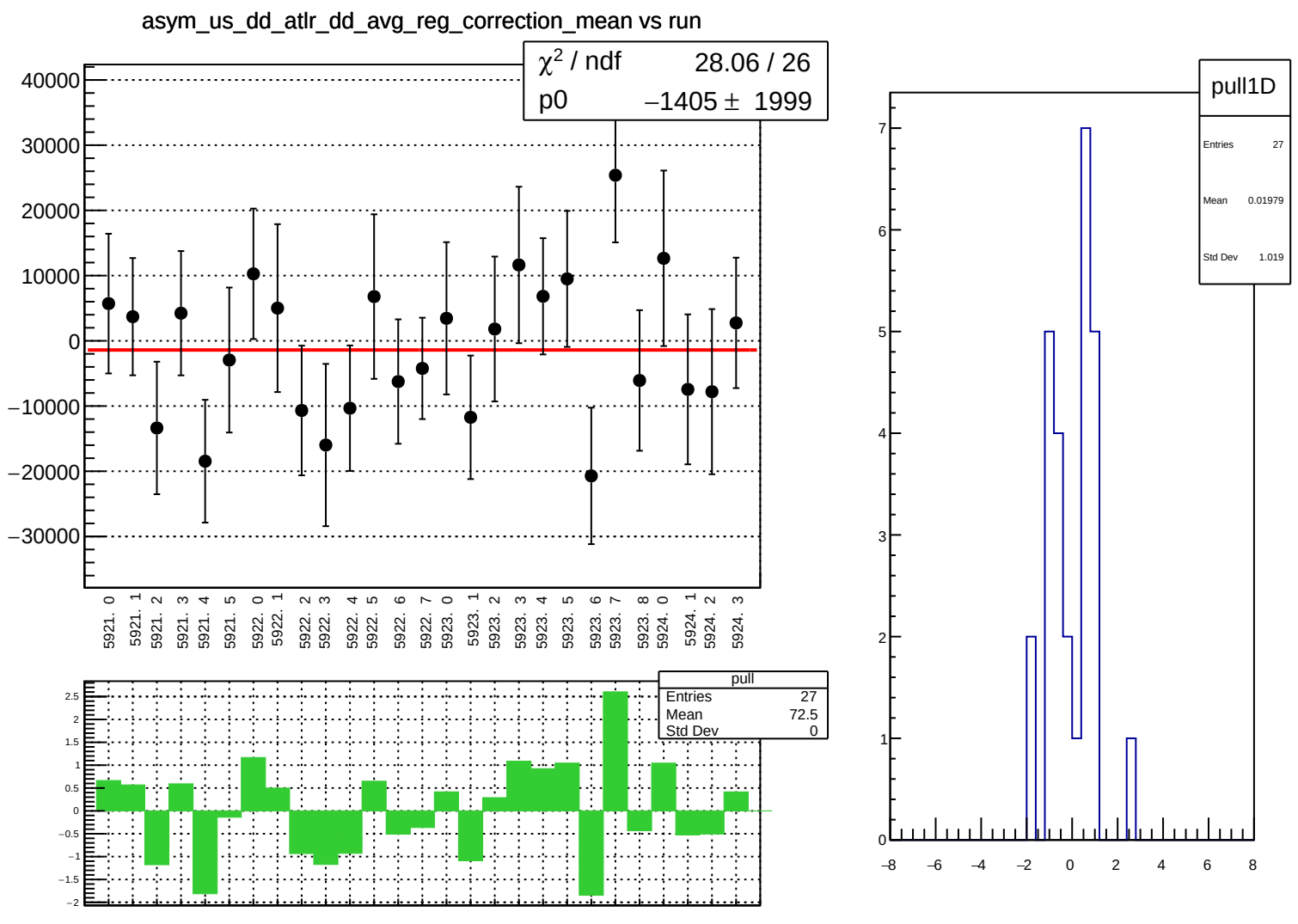

pull1D
Entries 27
Mean −0.07906
Std Dev 1.029

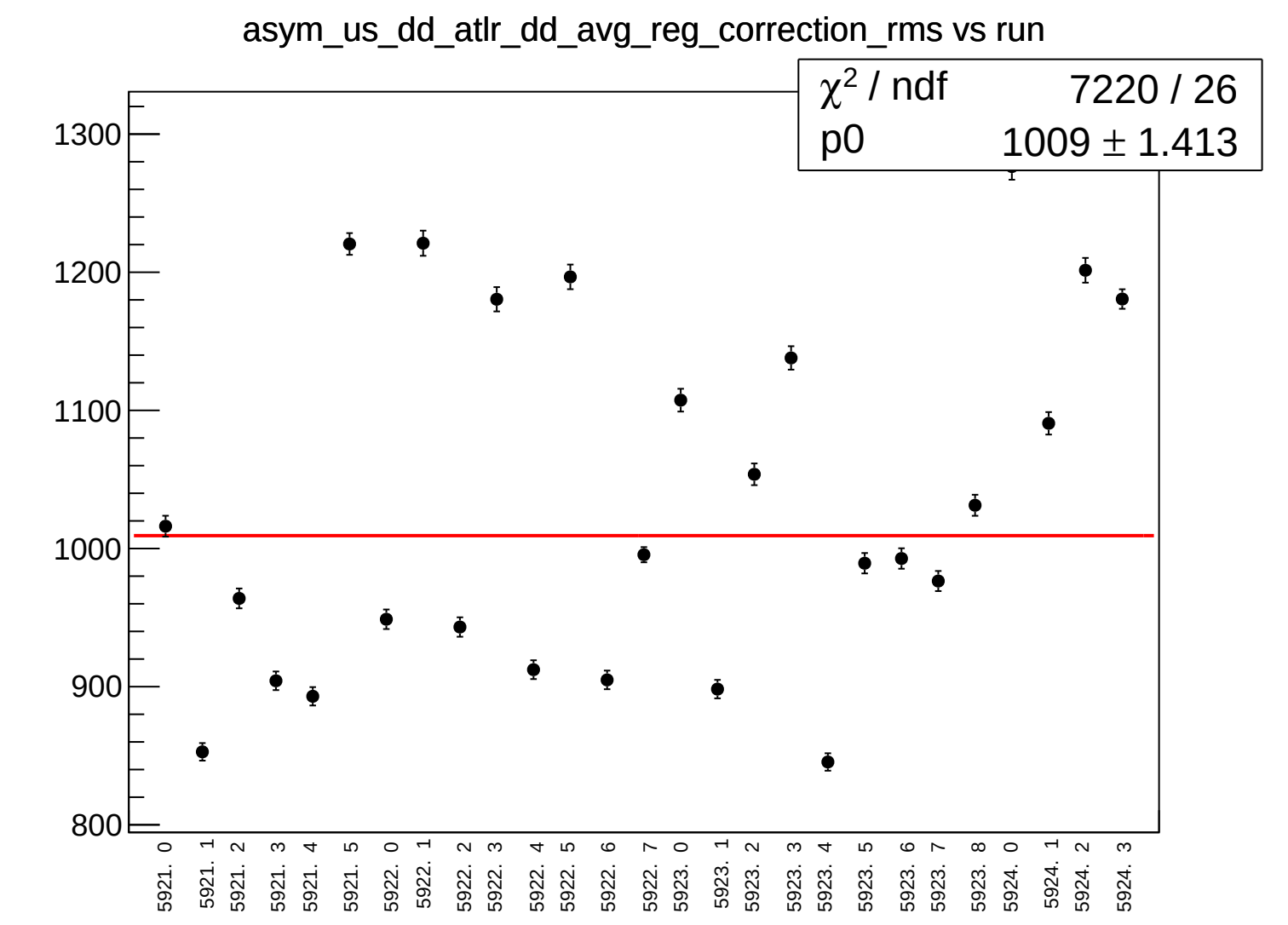

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 9.587e+04 / 26
p0 4.799e−11 ± 7.393e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

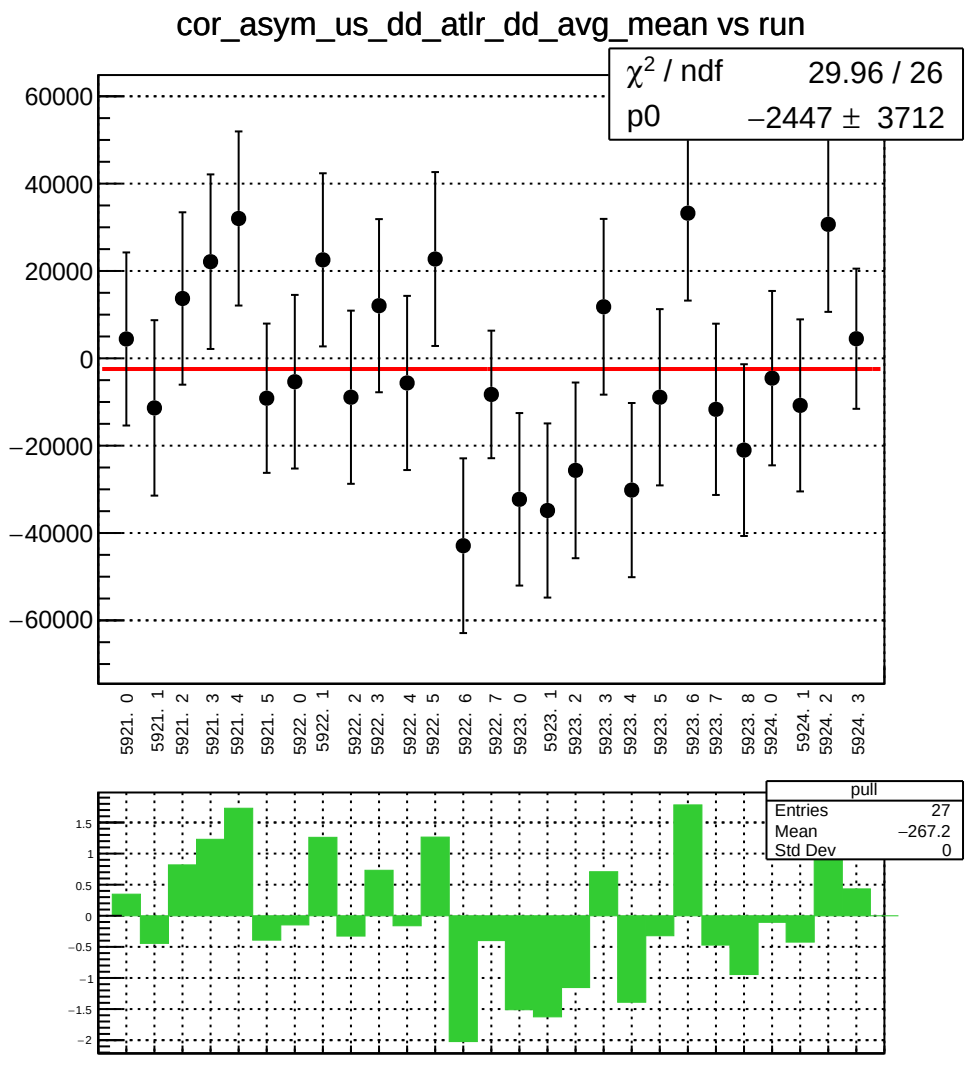

reg_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 29.96 / 26
p0 −2447 ± 3712
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −267.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

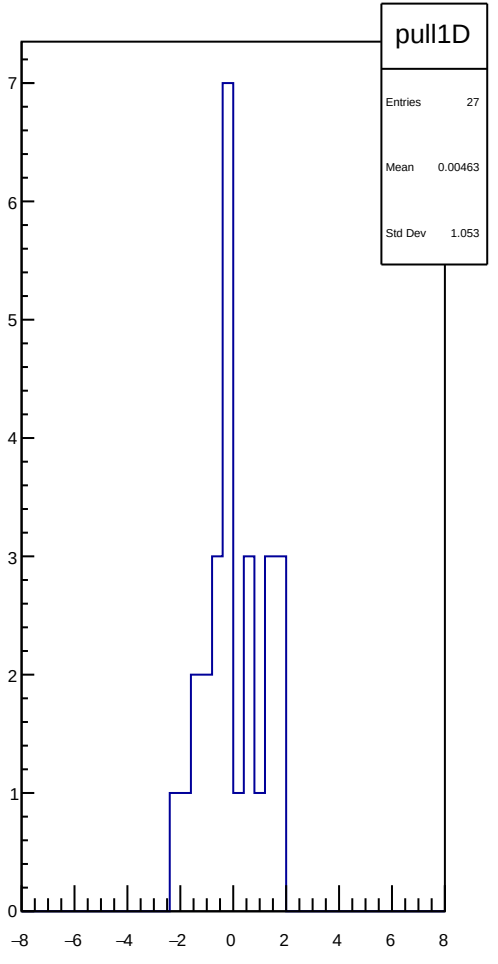

pull1D
Entries 27
Mean 0.004629
Std Dev 1.053
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

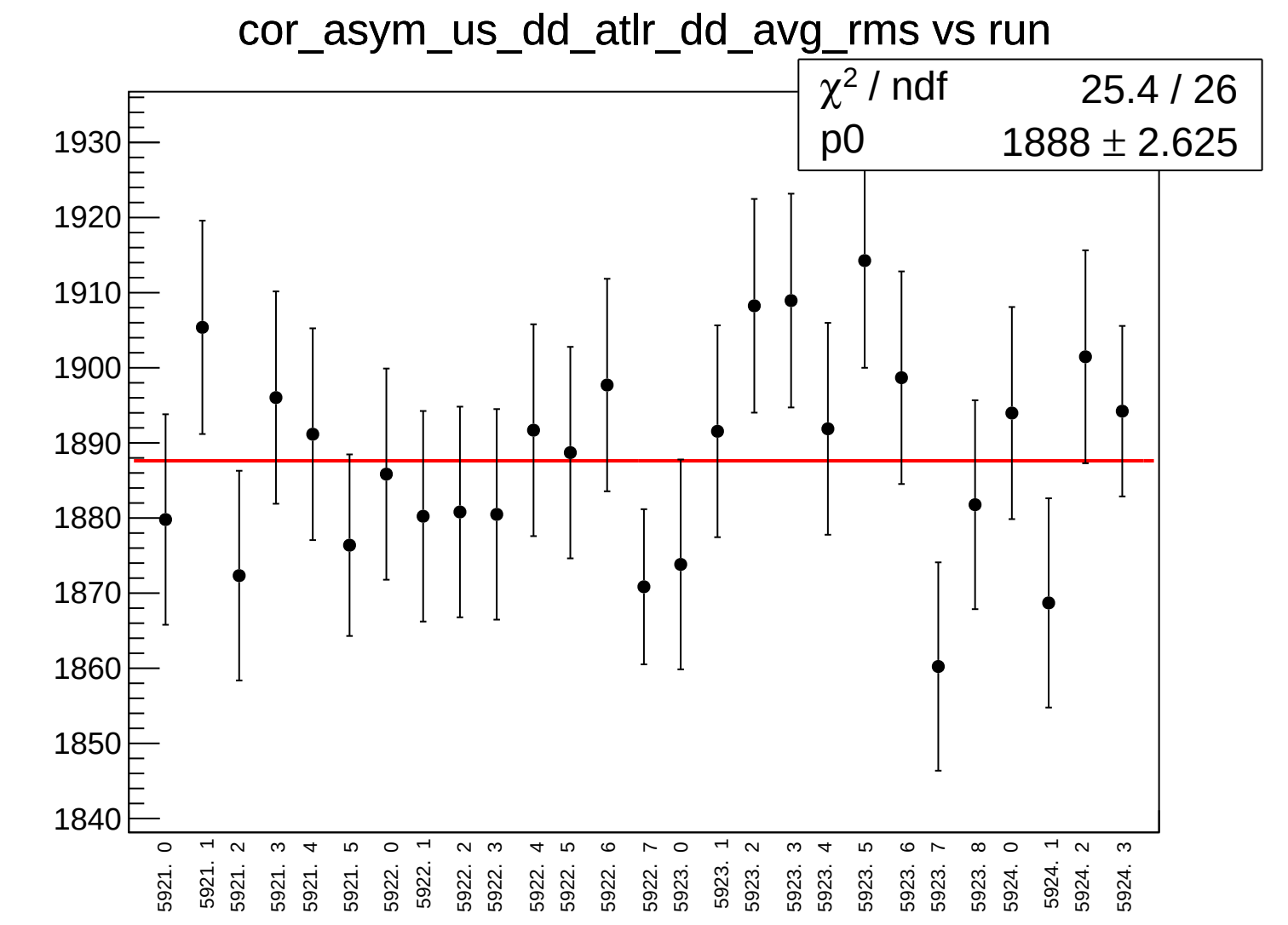

reg_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 25.4 / 26
p0 1888 ± 2.625
1930
1920
1910
1900
1890
1880
1870
1860
1850
1840
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

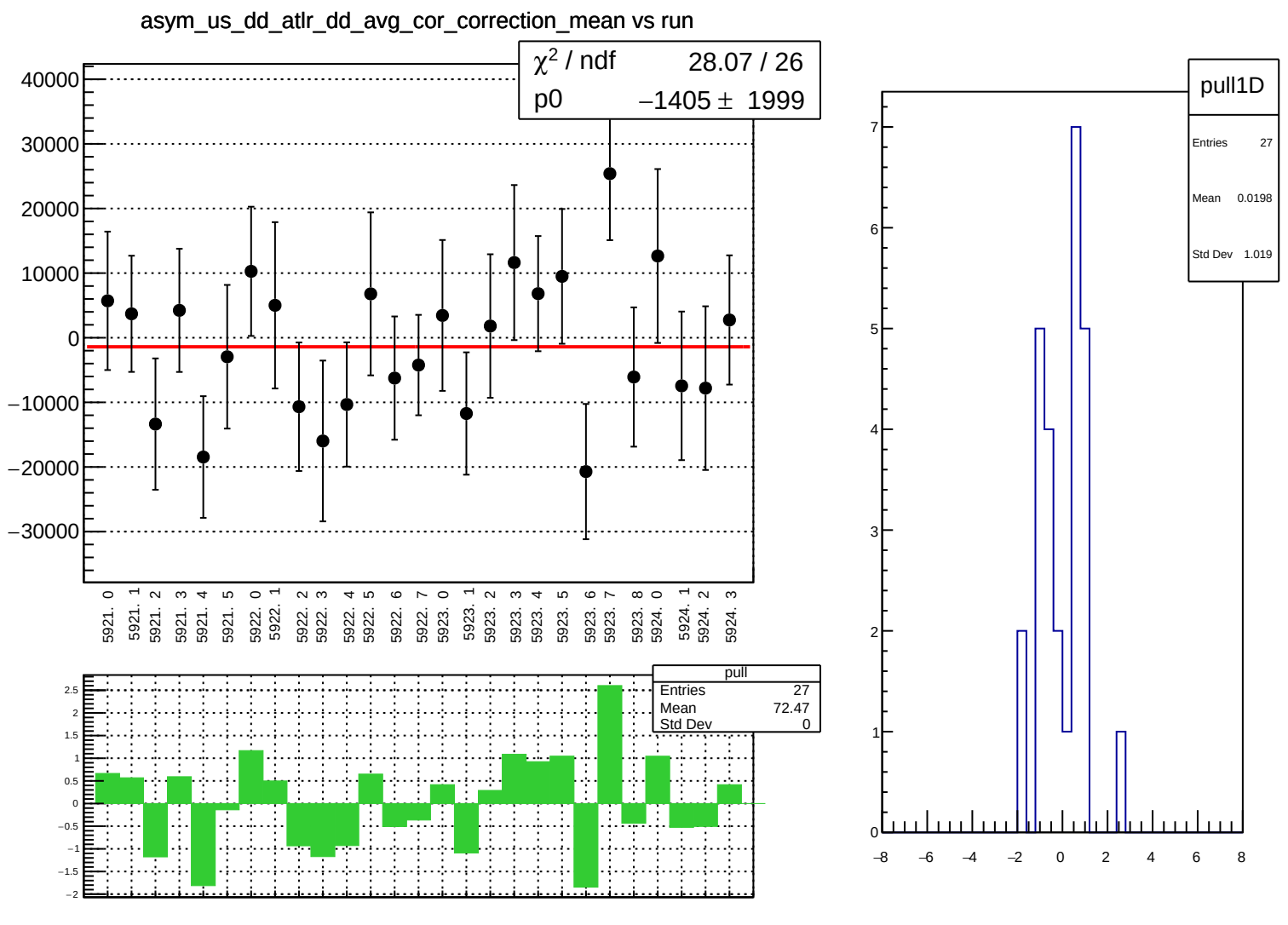

asym_us_dd_atlr_dd_avg_reg_correction_mean vs run
χ² / ndf 28.06 / 26
p0 −1405 ± 1999
40000
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 72.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean 0.01979
Std Dev 1.019
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

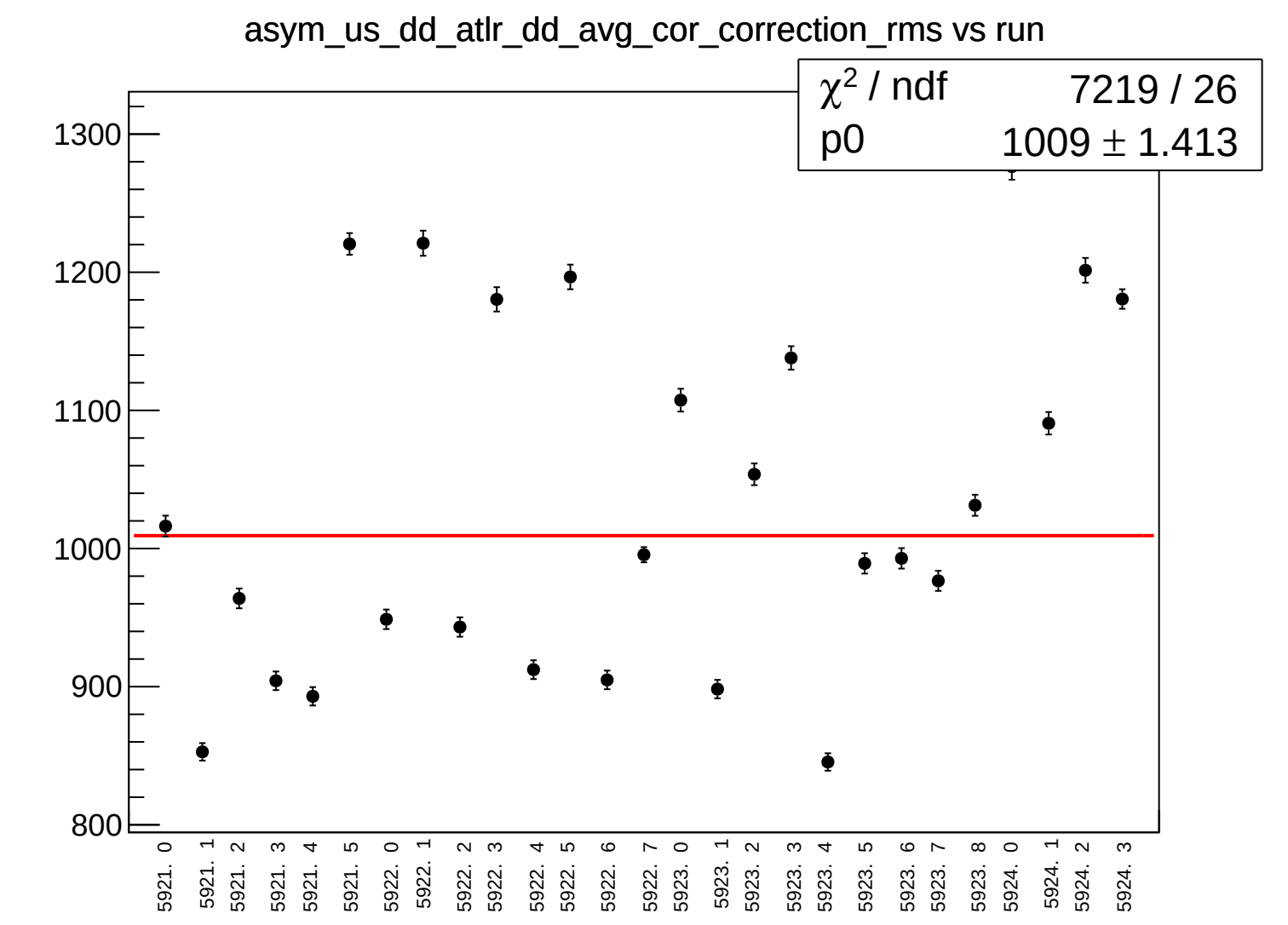

asym_us_dd_atlr_dd_avg_reg_correction_rms vs run
χ² / ndf 7220 / 26
p0 1009 ± 1.413
1300
1200
1100
1000
900
800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

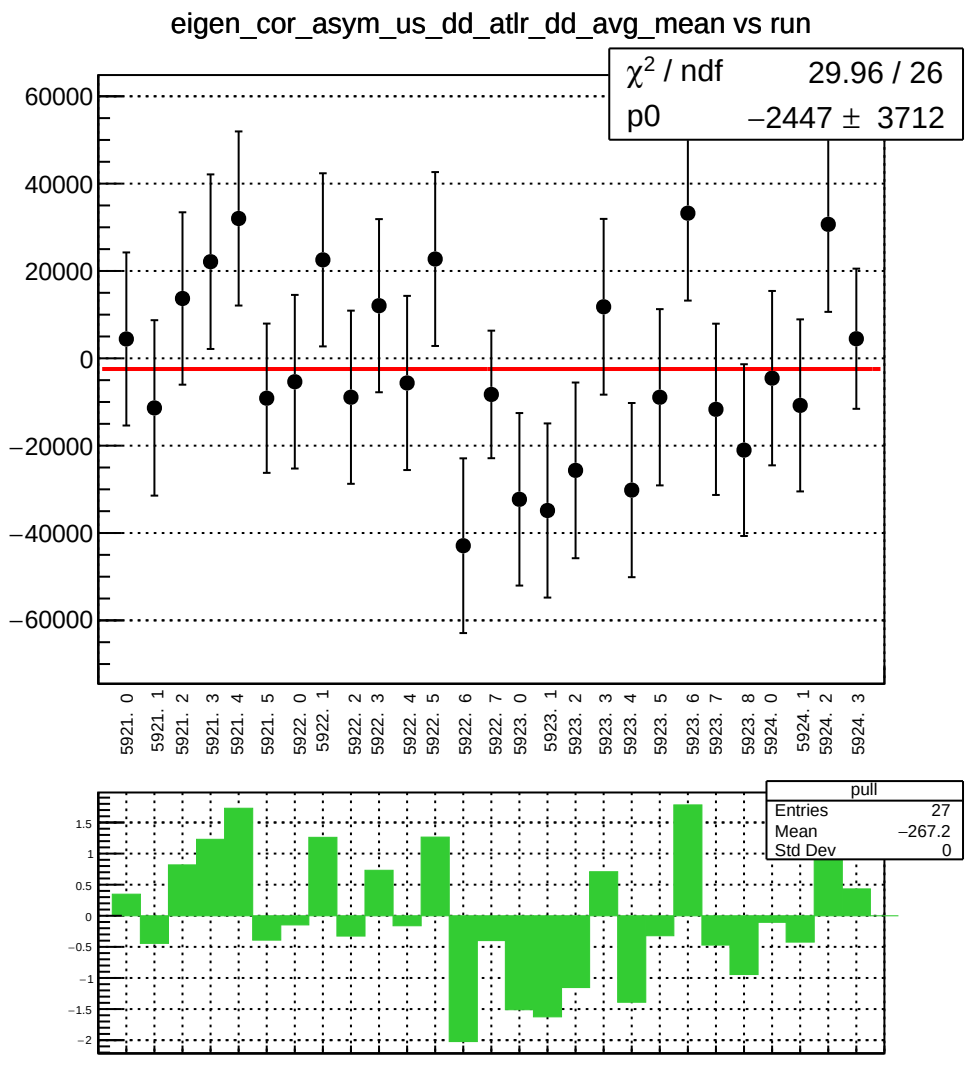

cor_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 29.96 / 26
p0 −2447 ± 3712
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −267.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

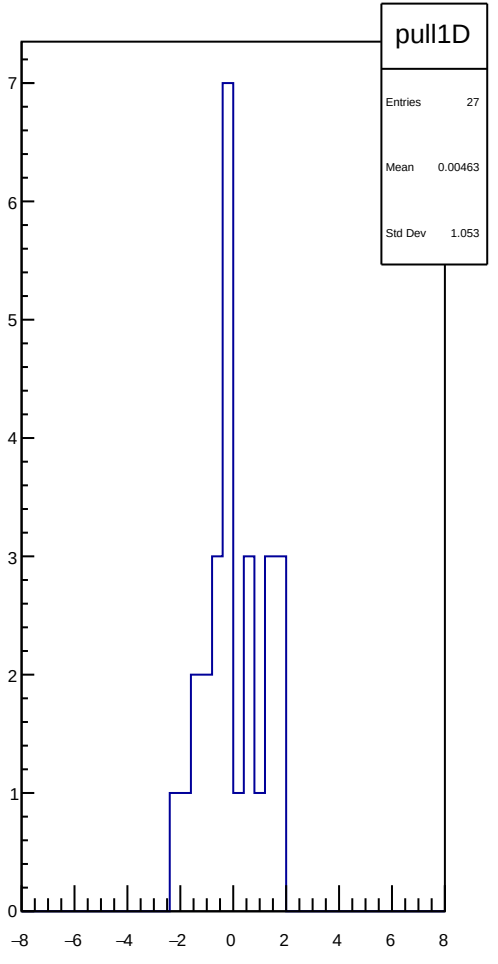

pull1D
Entries 27
Mean 0.00463
Std Dev 1.053
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

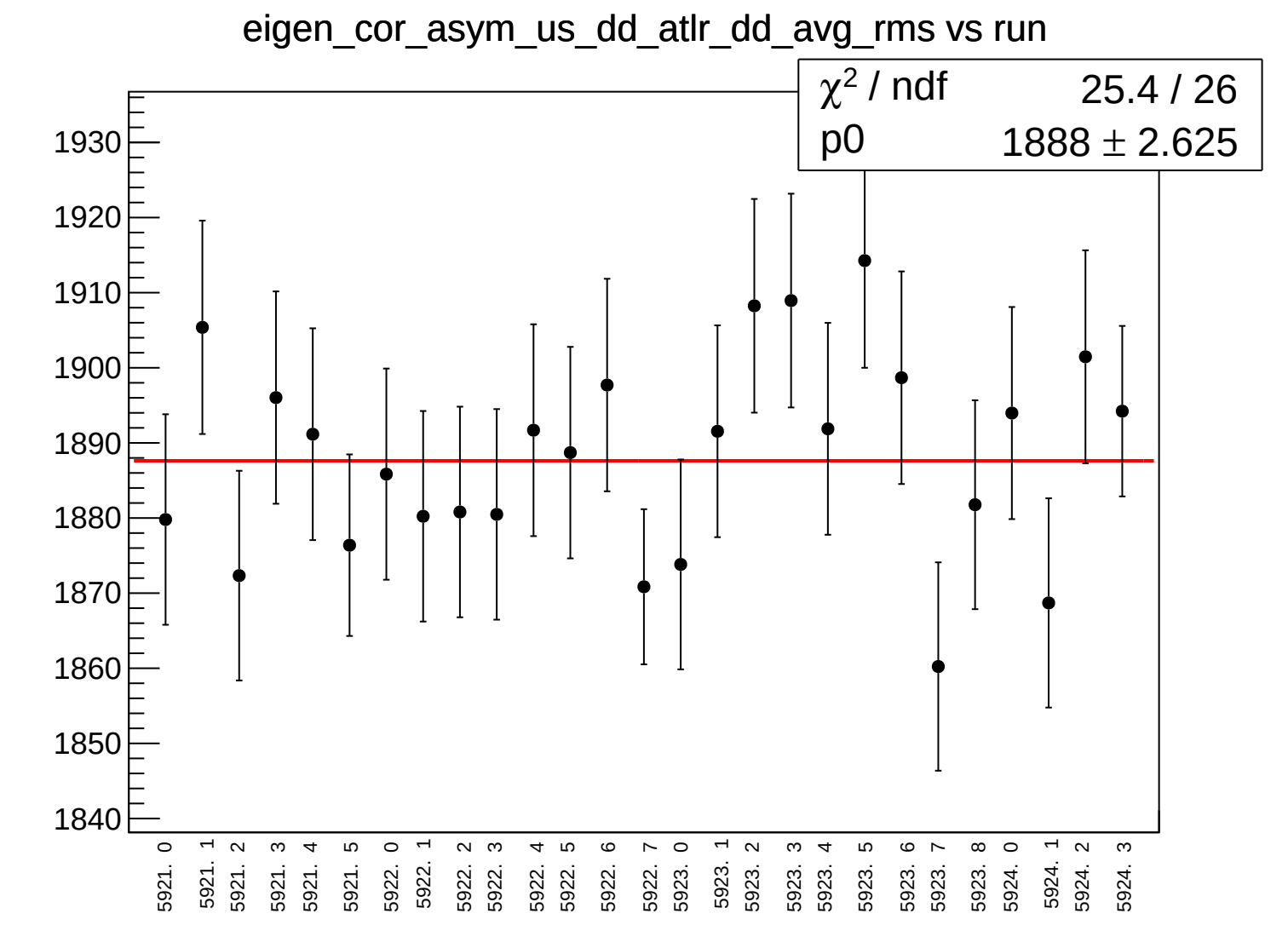

cor_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 25.4 / 26
p0 1888 ± 2.625
1930
1920
1910
1900
1890
1880
1870
1860
1850
1840
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

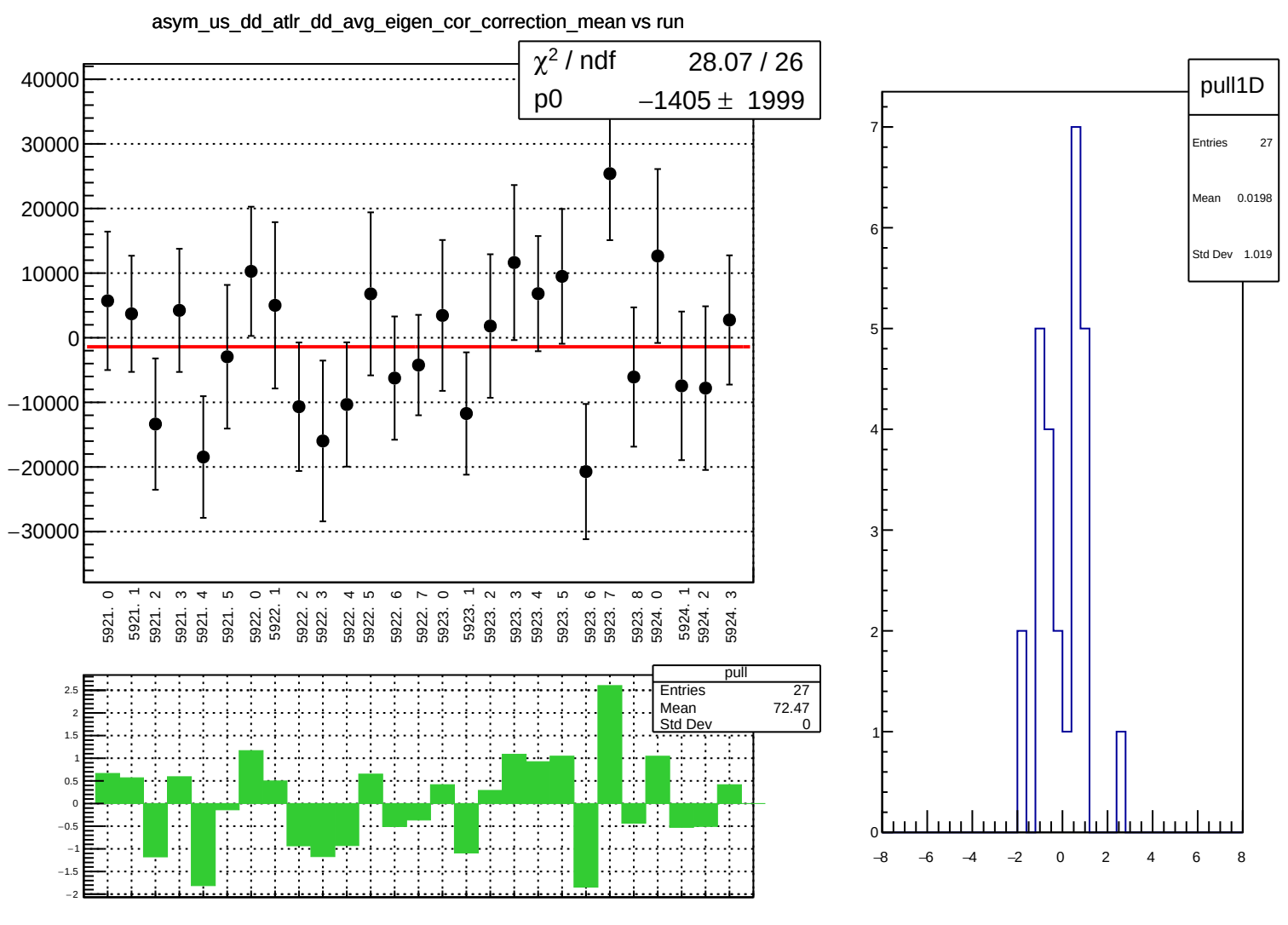

asym_us_dd_atlr_dd_avg_cor_correction_mean vs run
χ² / ndf 28.07 / 26
p0 −1405 ± 1999
40000
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 72.47
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean 0.0198
Std Dev 1.019
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

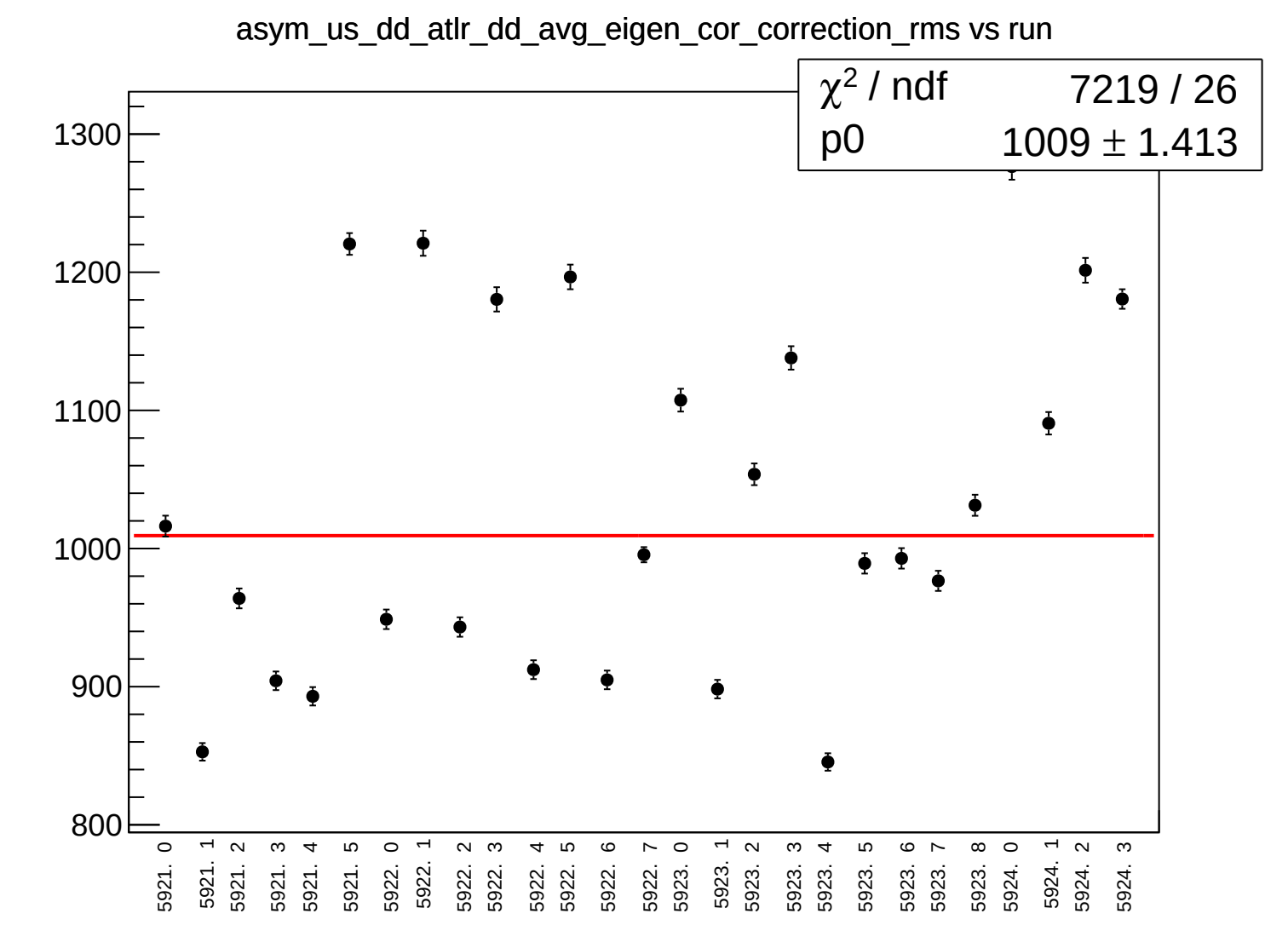

asym_us_dd_atlr_dd_avg_cor_correction_rms vs run
χ² / ndf 7219 / 26
p0 1009 ± 1.413
1300
1200
1100
1000
900
800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

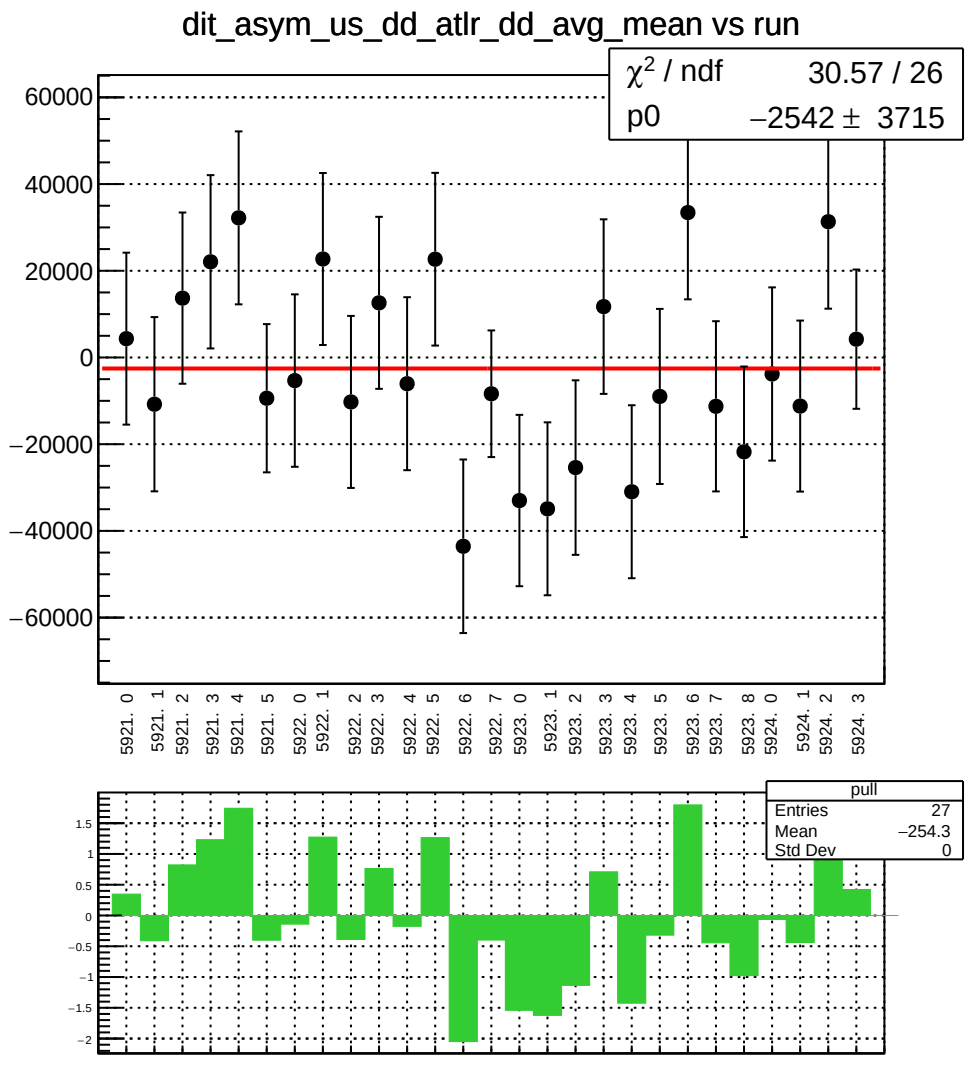

eigen_cor_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 29.96 / 26
p0 −2447 ± 3712
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −267.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

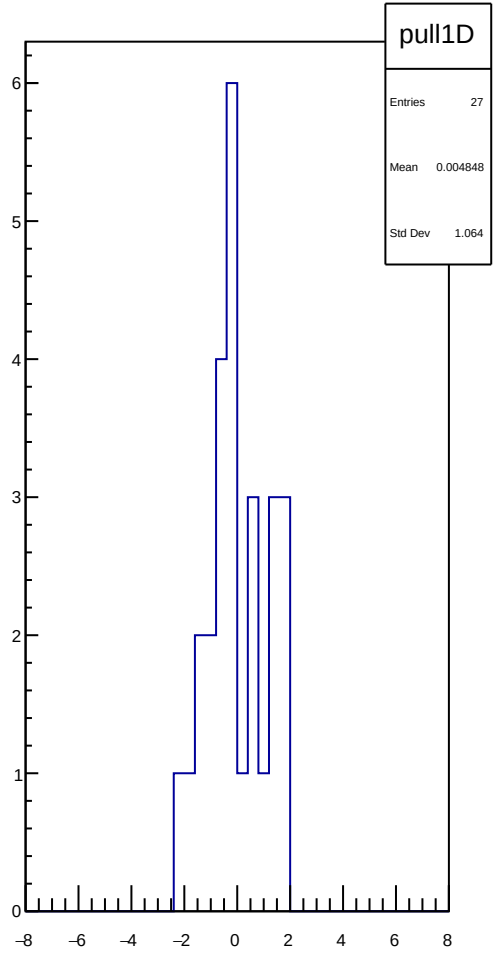

pull1D
Entries 27
Mean 0.00463
Std Dev 1.053
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

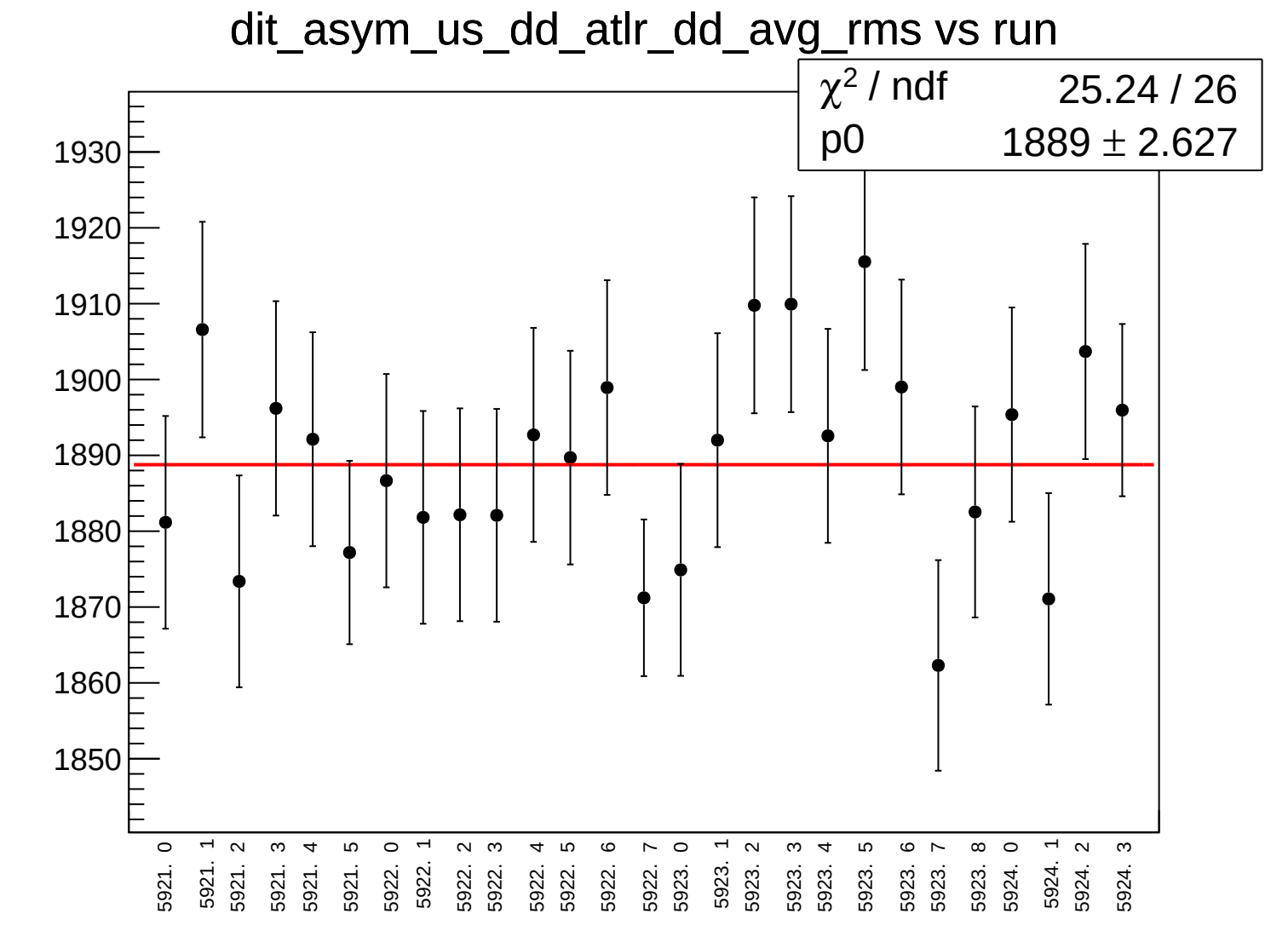

eigen_cor_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 25.4 / 26
p0 1888 ± 2.625
1930
1920
1910
1900
1890
1880
1870
1860
1850
1840
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

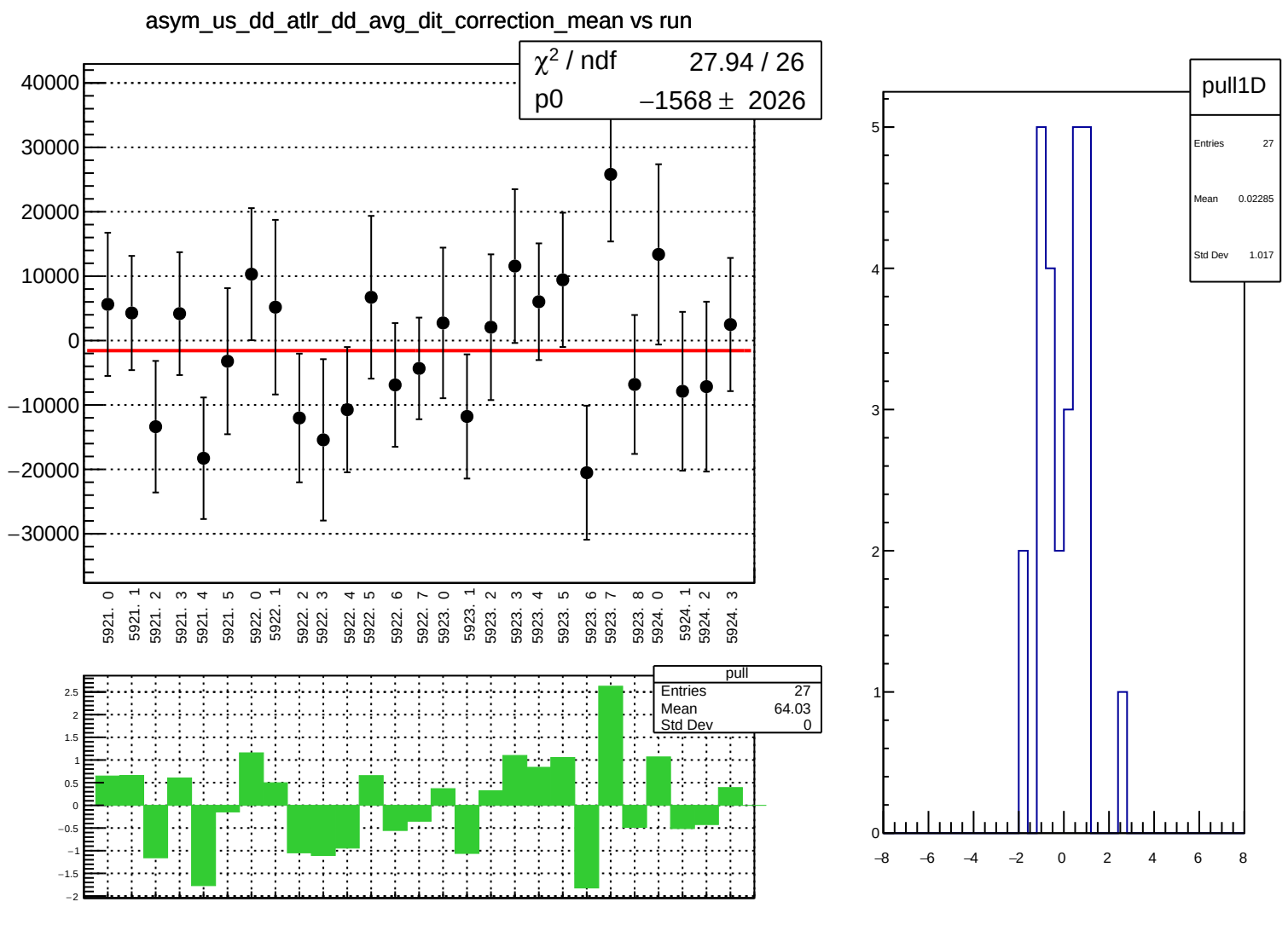

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 28.07 / 26
p0 −1405 ± 1999
pull
Entries 27
Mean 72.47
Std Dev 0
pull1D
Entries 27
Mean 0.0198
Std Dev 1.019

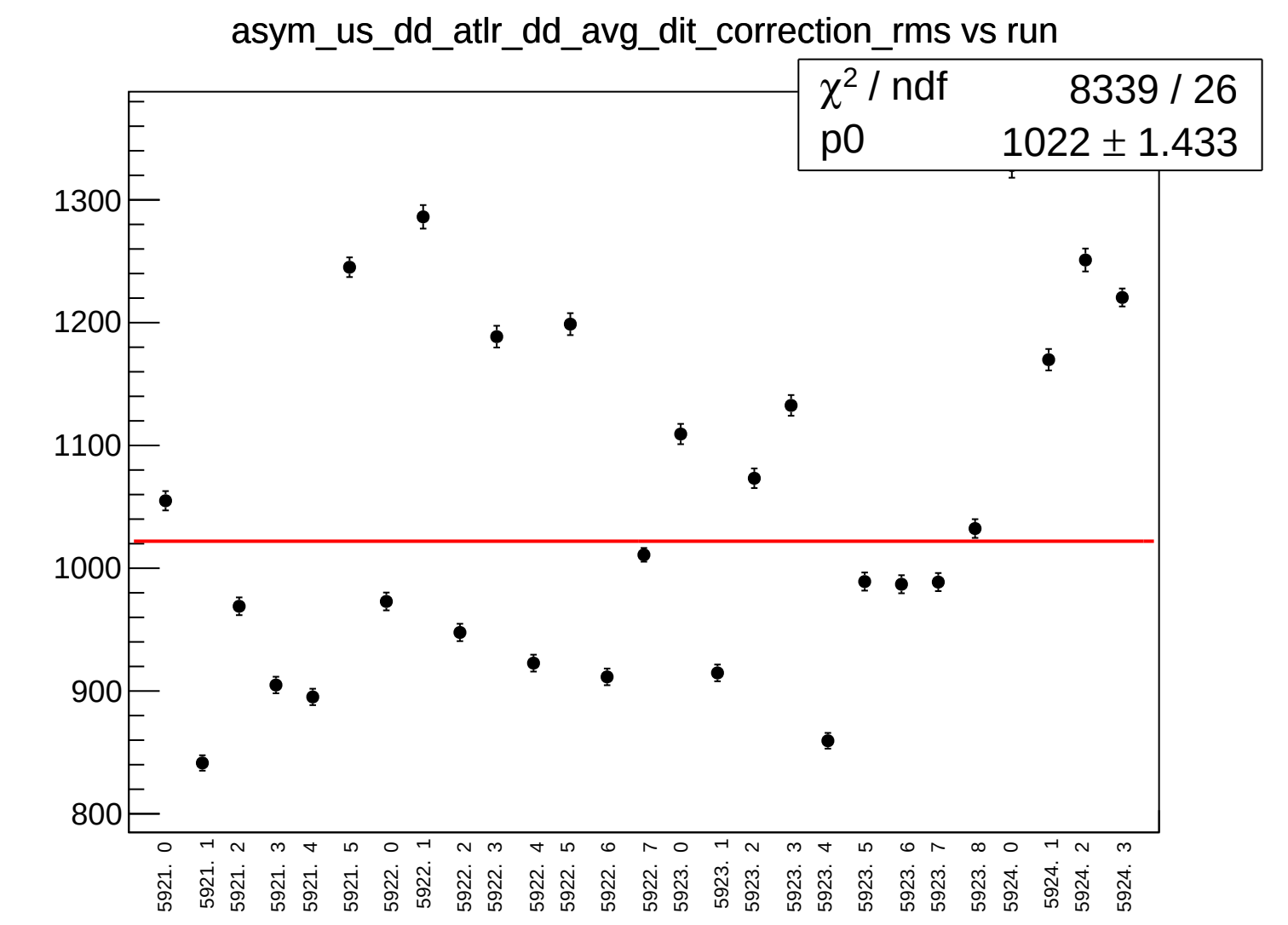

asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 7219 / 26
p0 1009 ± 1.413
1300
1200
1100
1000
900
800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

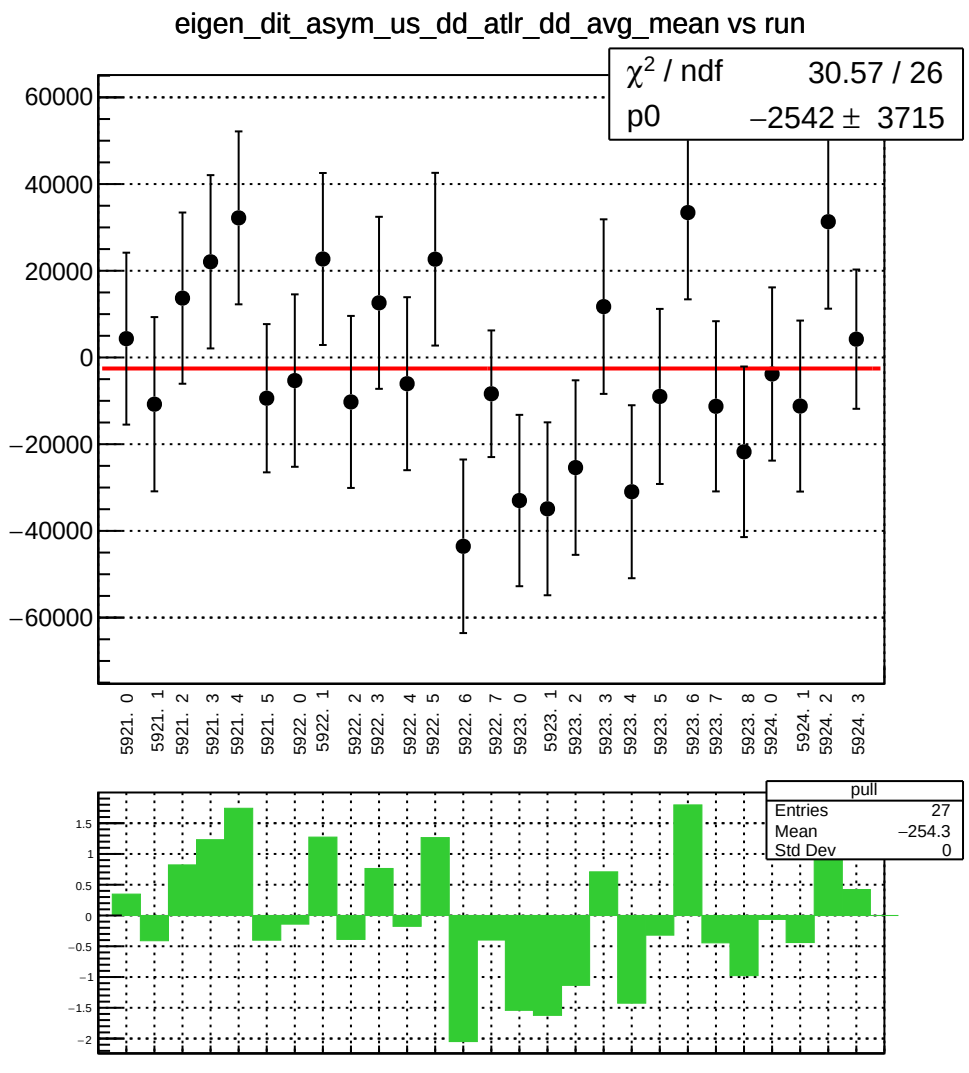

dit_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 30.57 / 26
p0 −2542 ± 3715
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −254.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

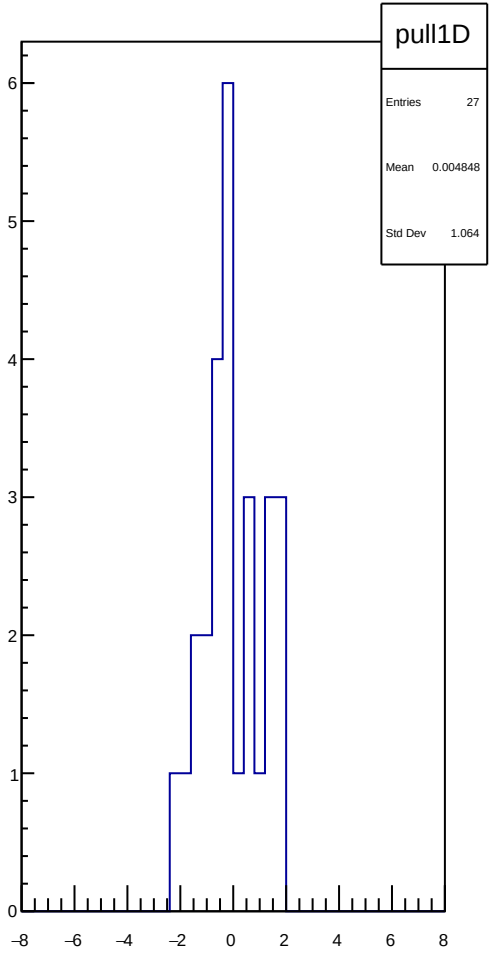

pull1D
Entries 27
Mean 0.004848
Std Dev 1.064
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

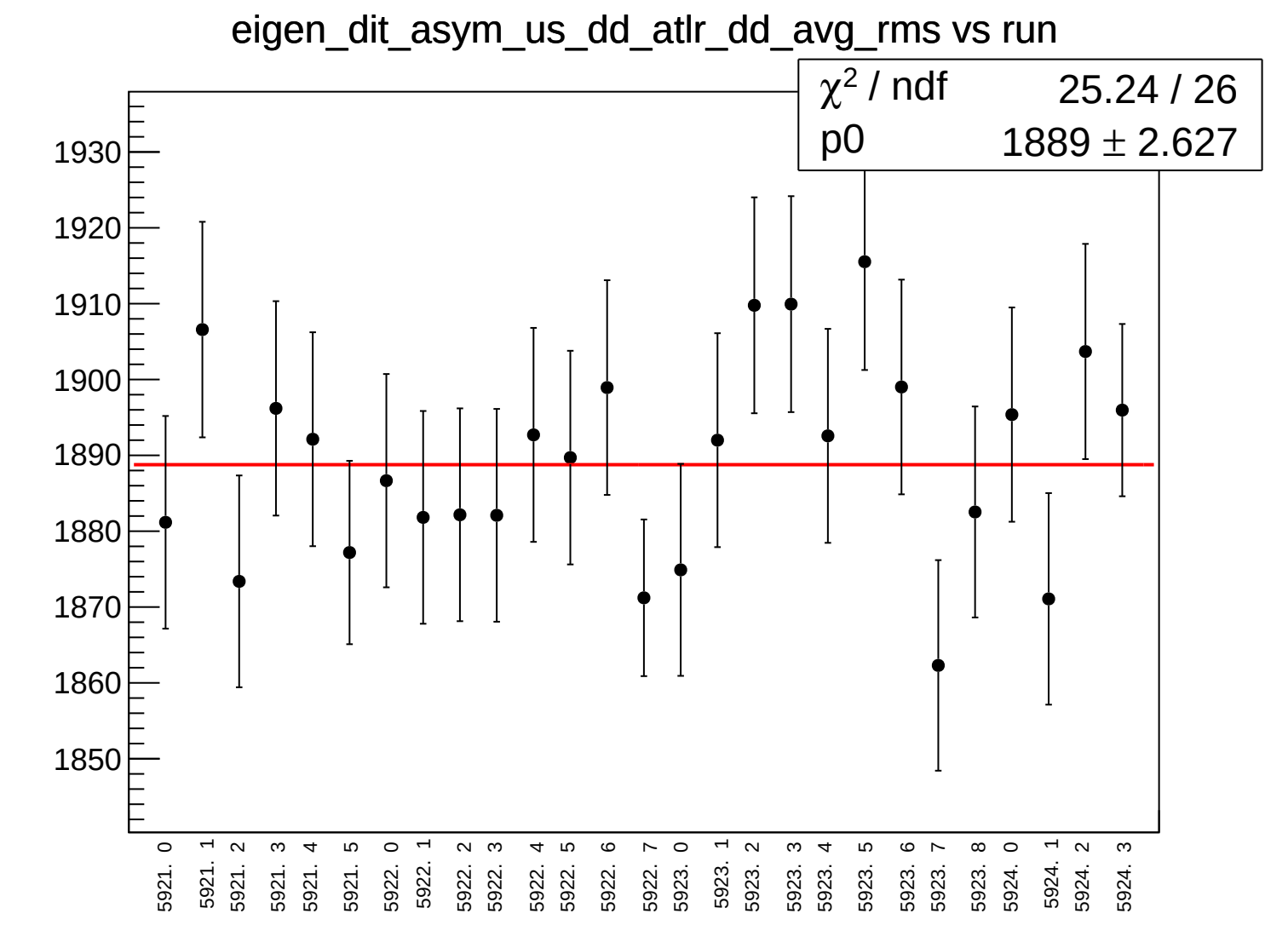

dit_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 25.24 / 26
p0 1889 ± 2.627
1930
1920
1910
1900
1890
1880
1870
1860
1850
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

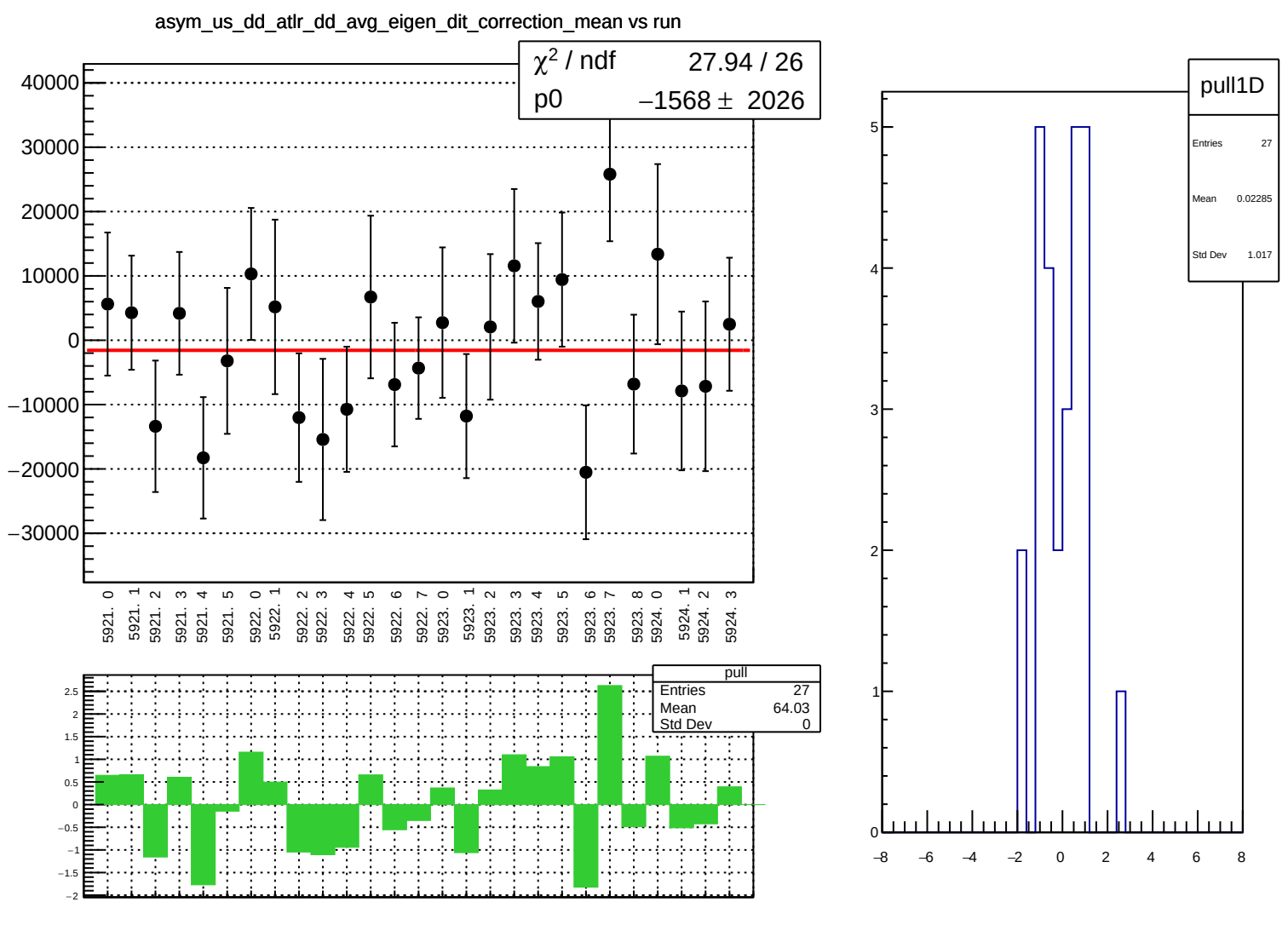

asym_us_dd_atlr_dd_avg_dit_correction_mean vs run
χ² / ndf 27.94 / 26
p0 −1568 ± 2026
40000
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 64.03
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean 0.02285
Std Dev 1.017
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

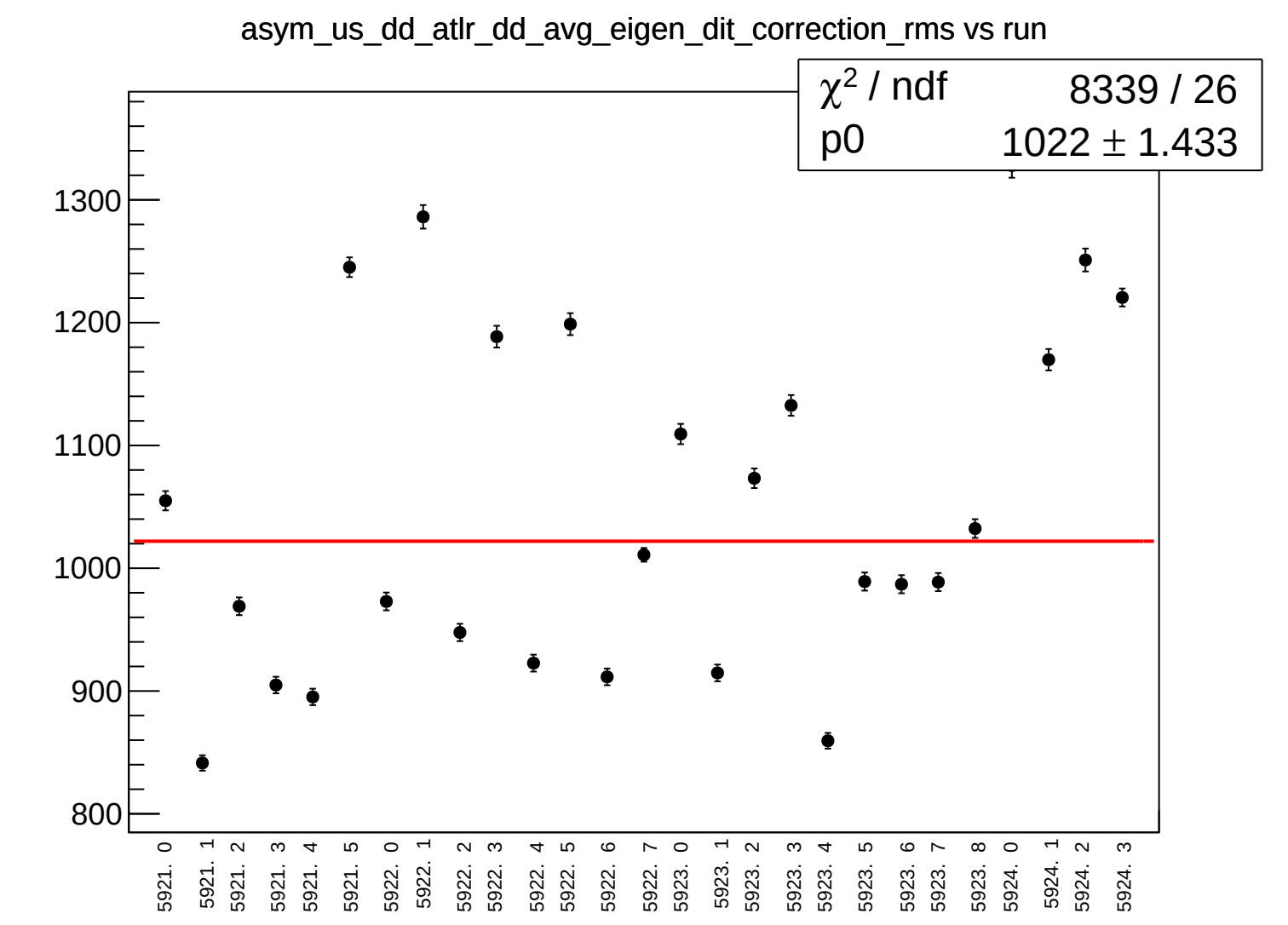

asym_us_dd_atlr_dd_avg_dit_correction_rms vs run
χ² / ndf 8339 / 26
p0 1022 ± 1.433
1300
1200
1100
1000
900
800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

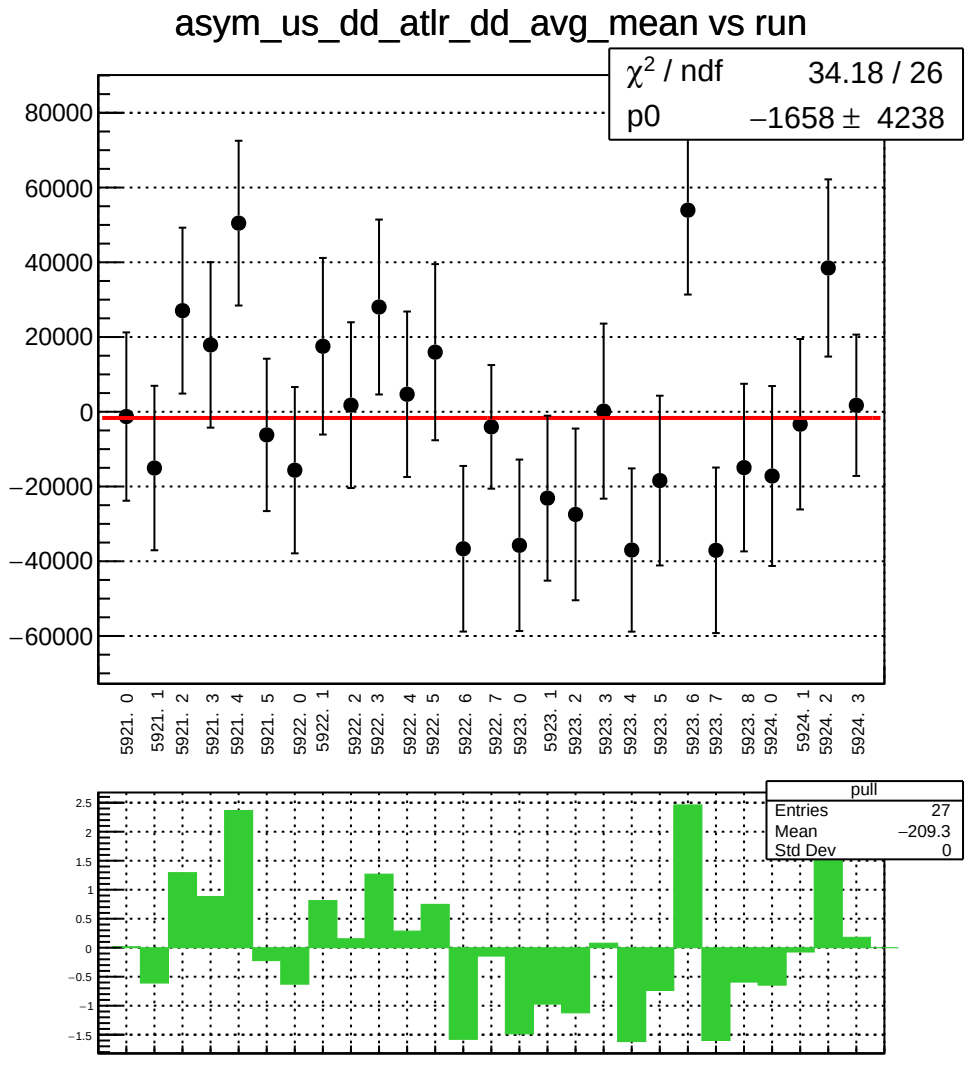

eigen_dit_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 30.57 / 26
p0 −2542 ± 3715
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −254.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

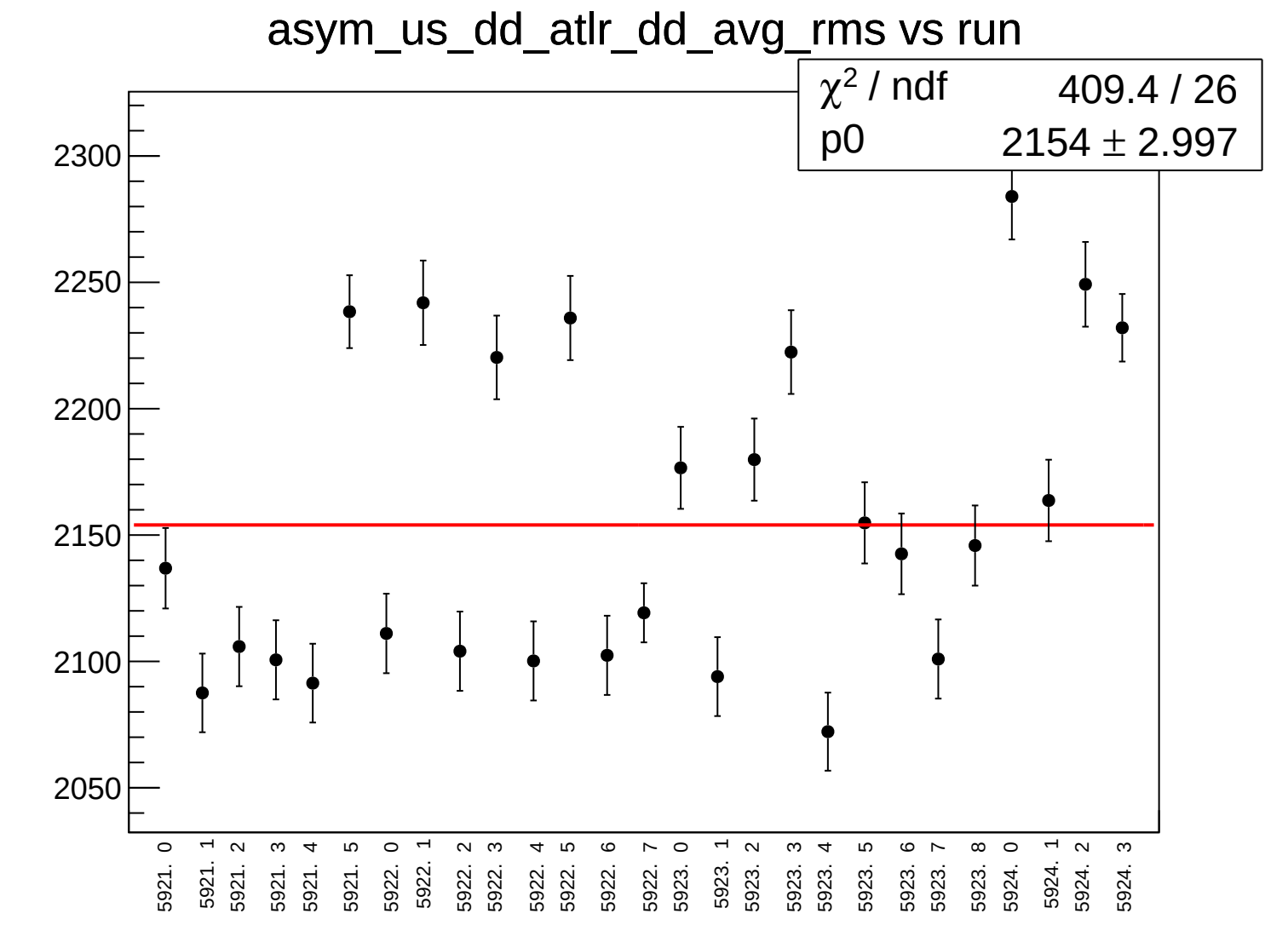

pull1D
Entries 27
Mean 0.004848
Std Dev 1.064
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

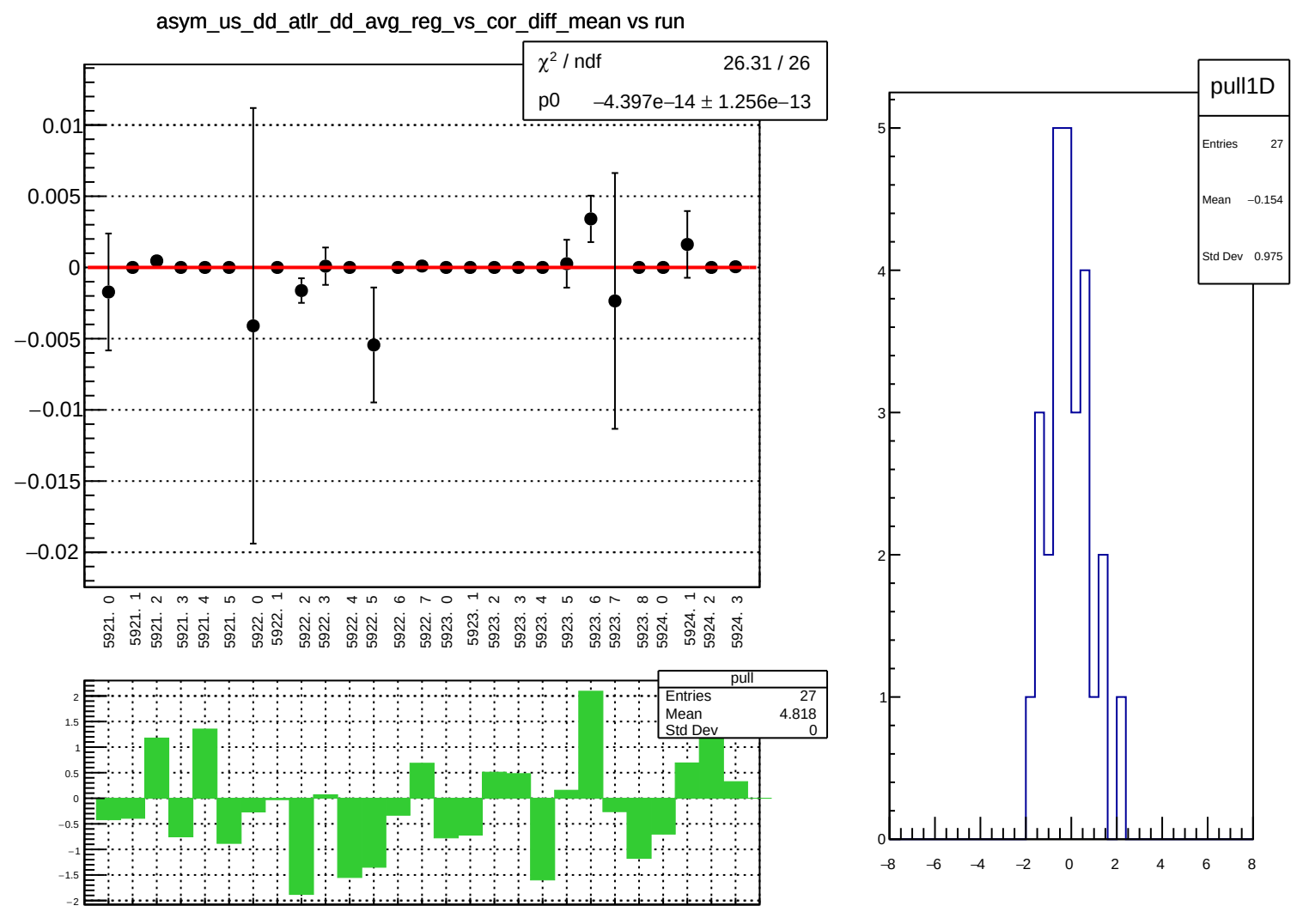

eigen_dit_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 25.24 / 26
p0 1889 ± 2.627
1930
1920
1910
1900
1890
1880
1870
1860
1850
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

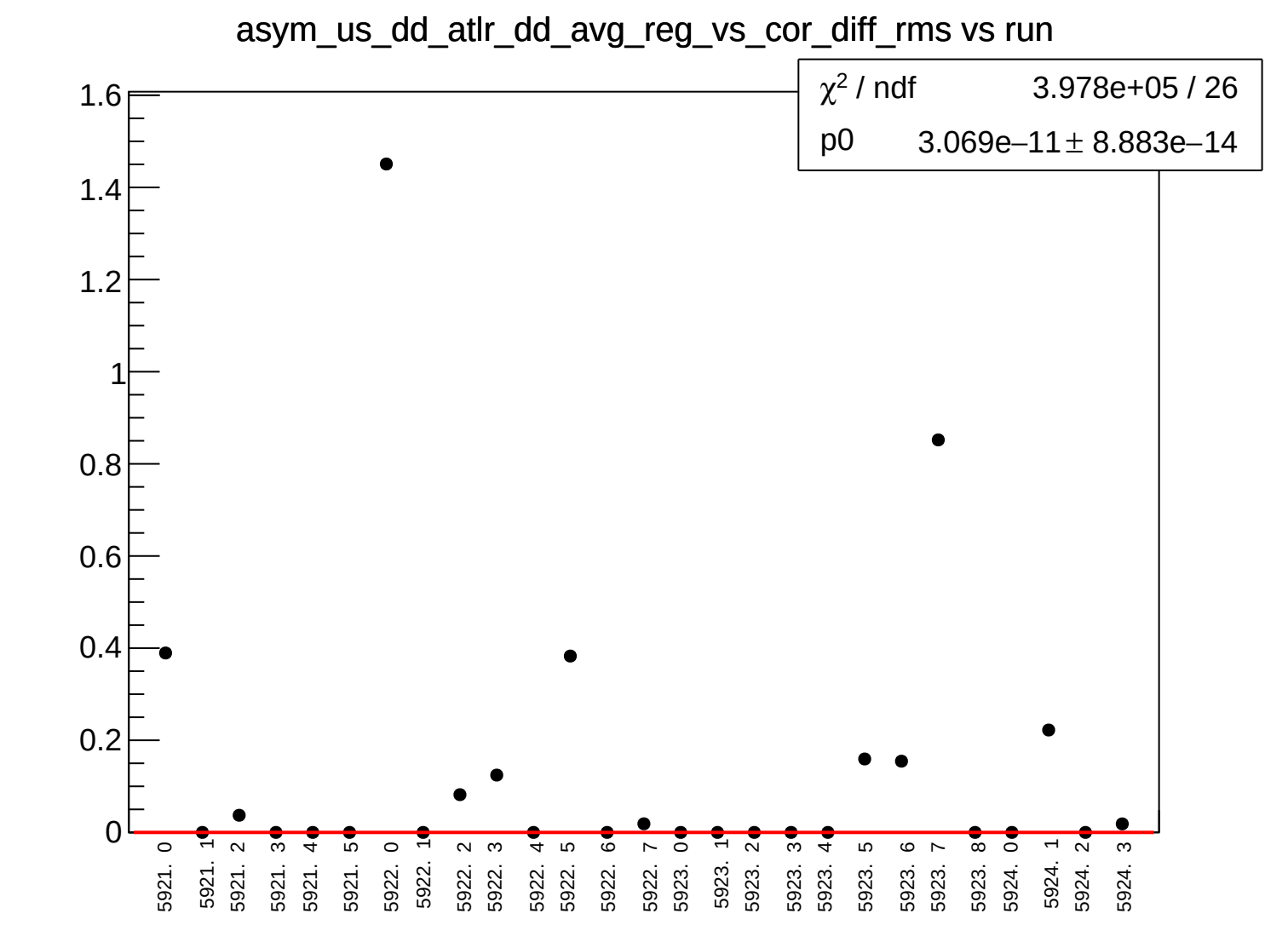

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 27.94 / 26
p0 −1568 ± 2026
40000
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 64.03
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean 0.02285
Std Dev 1.017
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

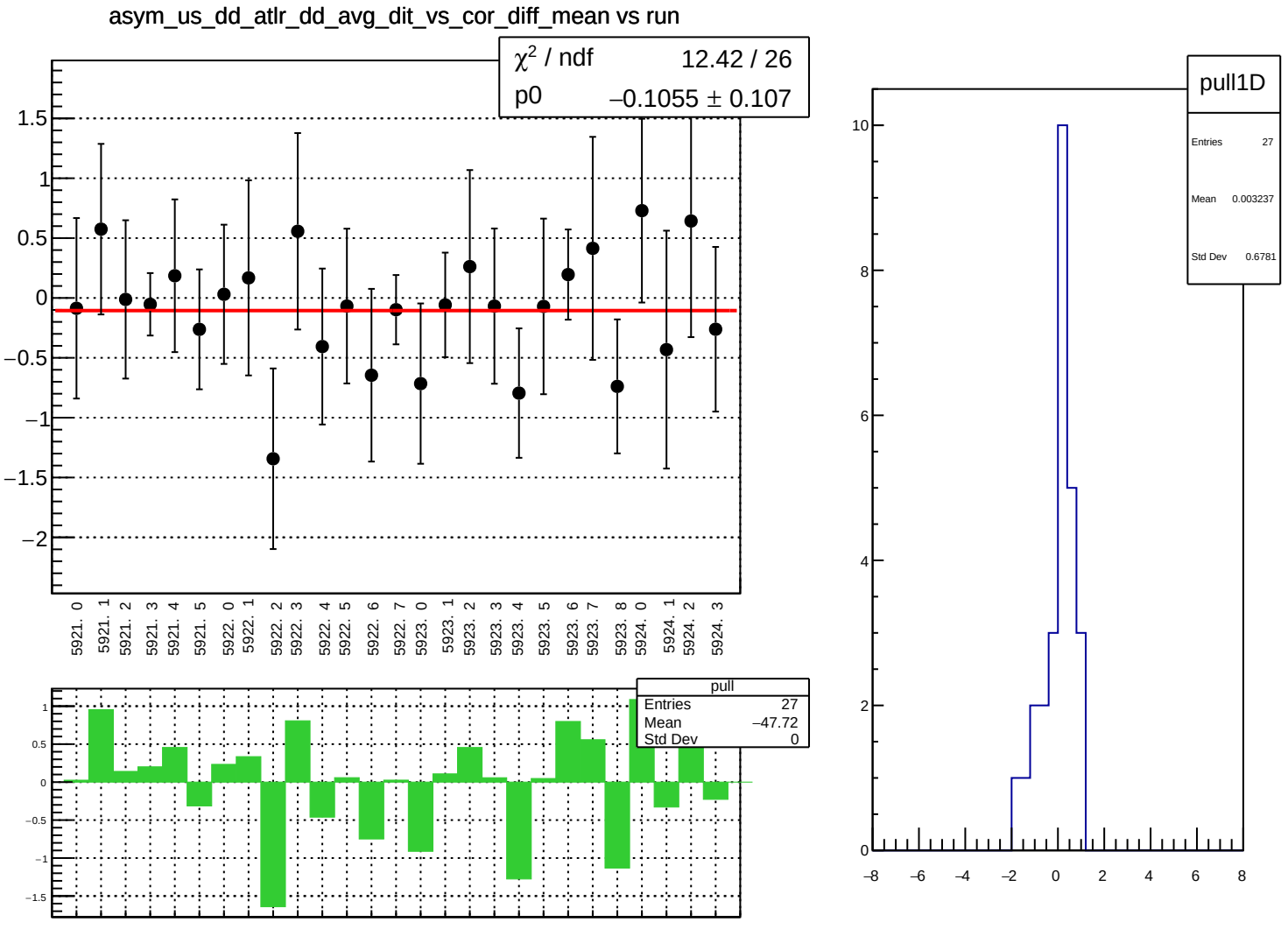

asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 8339 / 26
p0 1022 ± 1.433
1300
1200
1100
1000
900
800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

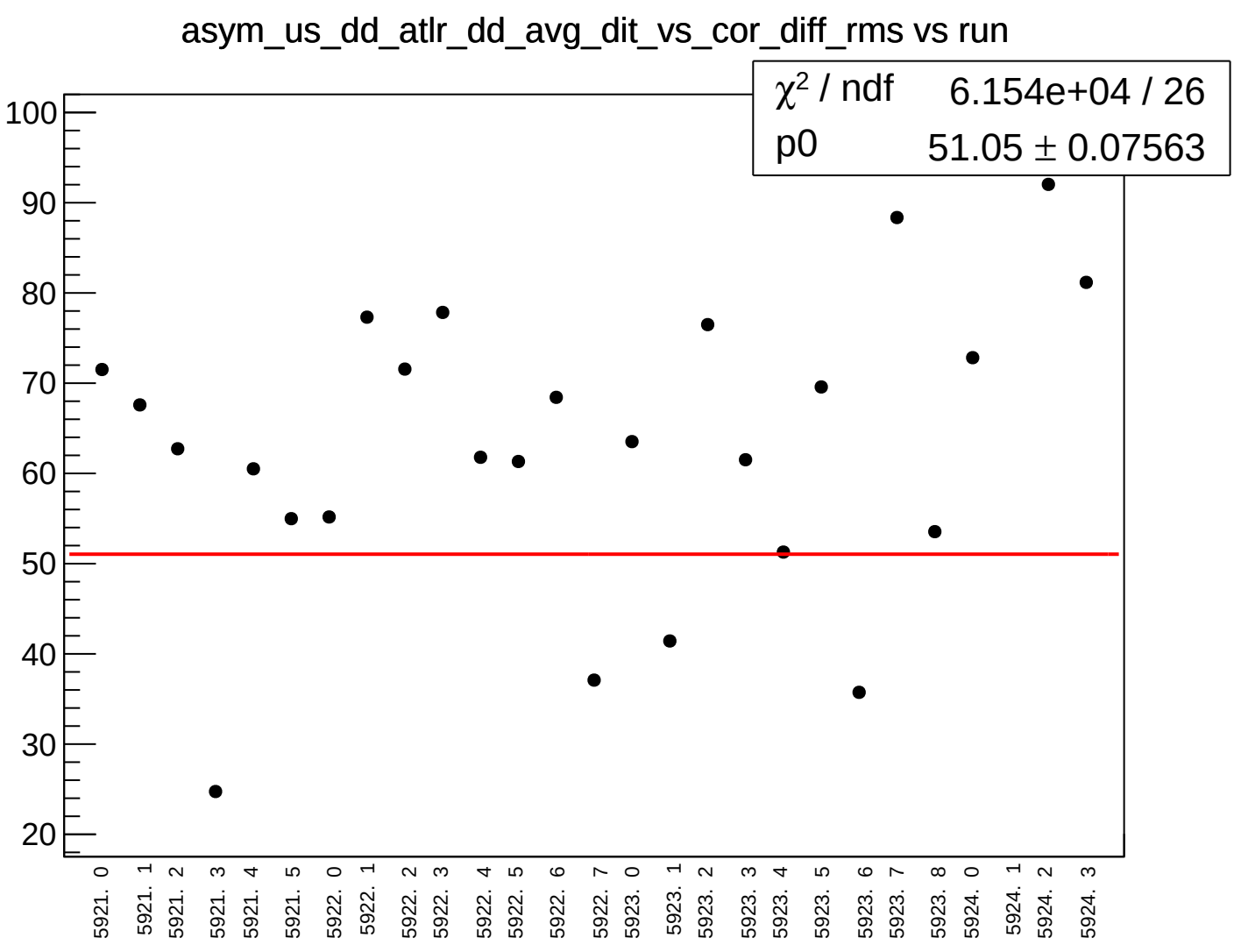

asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 34.18 / 26
p0 −1658 ± 4238
80000
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −209.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.007828
Std Dev 1.125
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

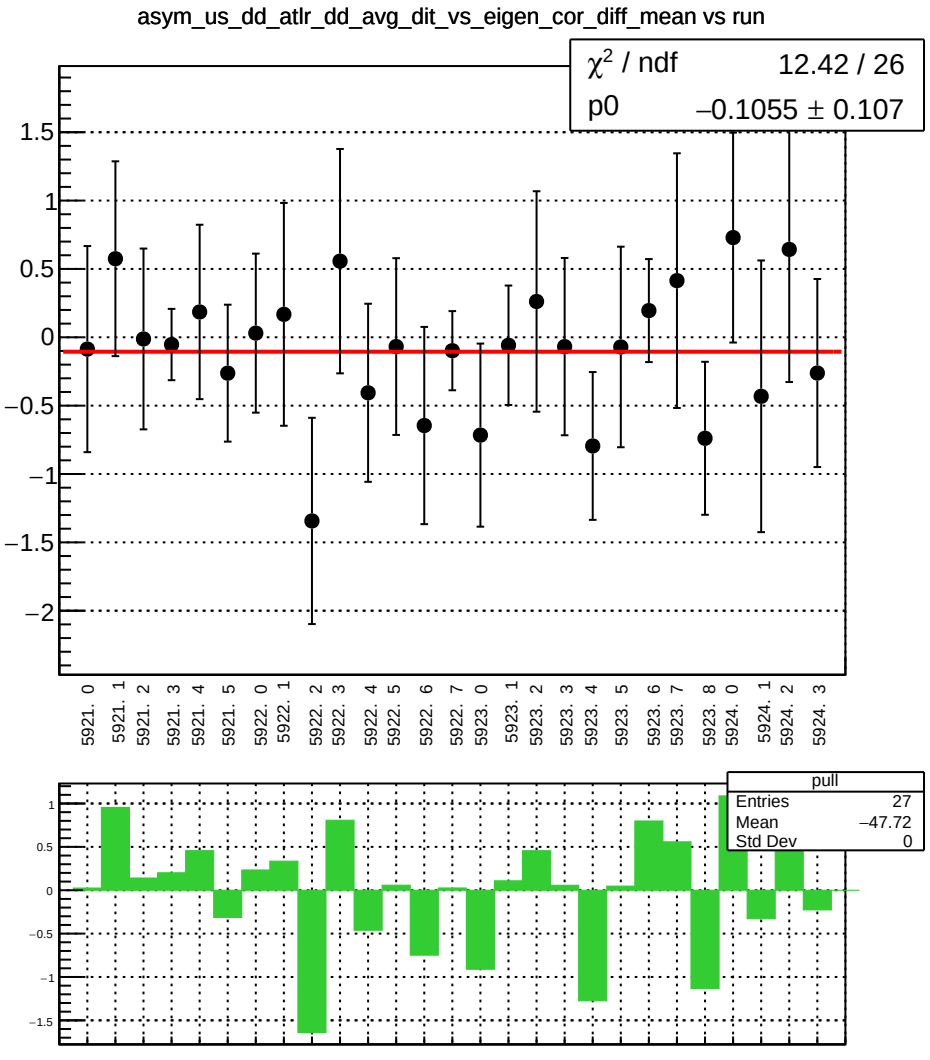

asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 409.4 / 26
p0 2154 ± 2.997
2300
2250
2200
2150
2100
2050
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

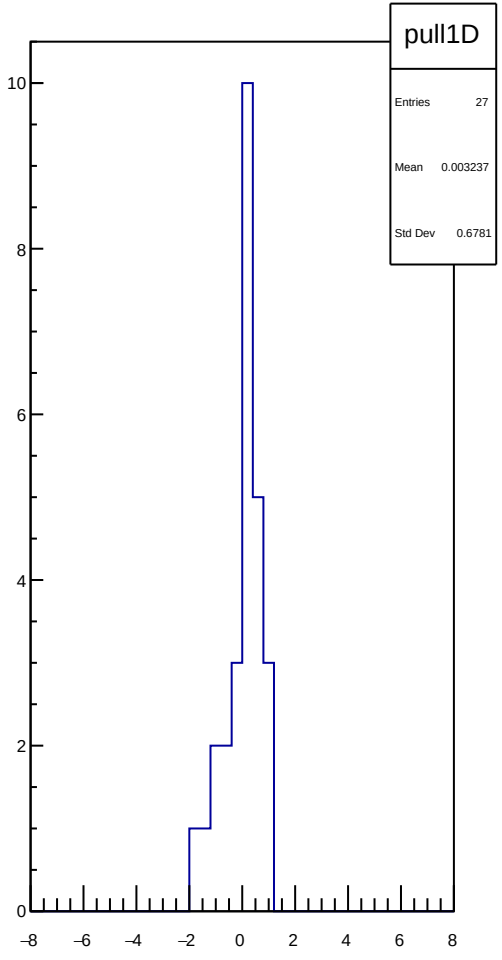

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 26.31 / 26
p0 −4.397e−14 ± 1.256e−13
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 4.818
Std Dev 0
pull1D
Entries 27
Mean −0.154
Std Dev 0.975

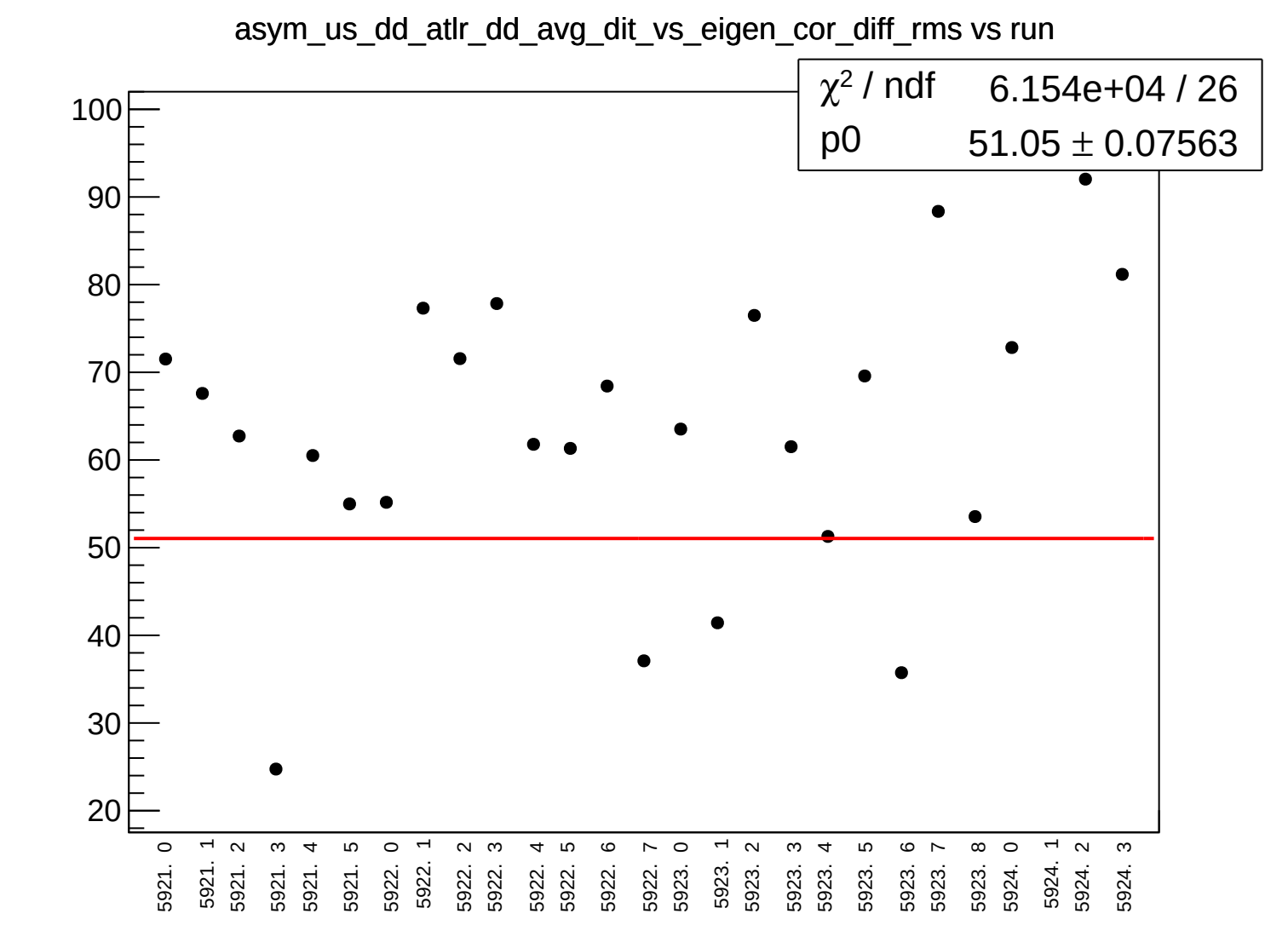

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.978e+05 / 26
p0 3.069e−11 ± 8.883e−14
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

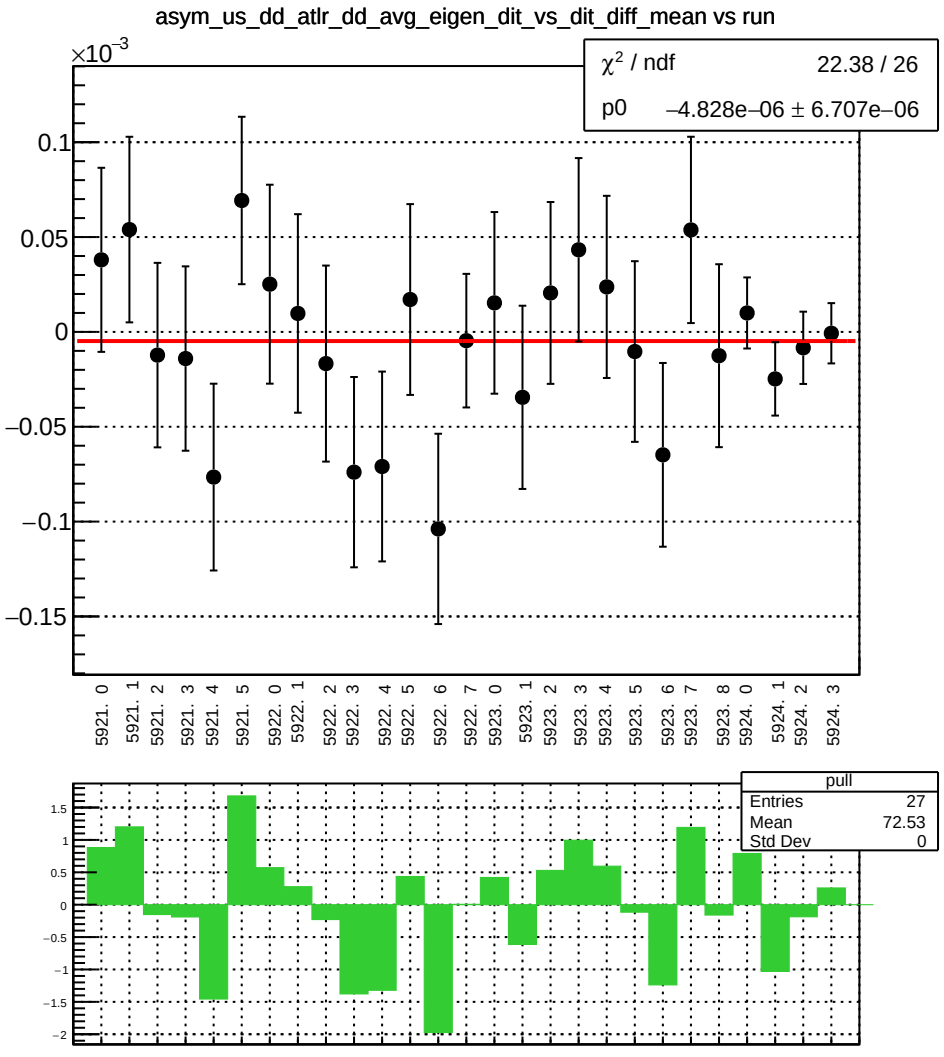

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 12.42 / 26
p0 −0.1055 ± 0.107
1.5
1
0.5
0
−0.5
−1
−1.5
−2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −47.72
Std Dev 0
pull1D
Entries 27
Mean 0.003237
Std Dev 0.6781
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

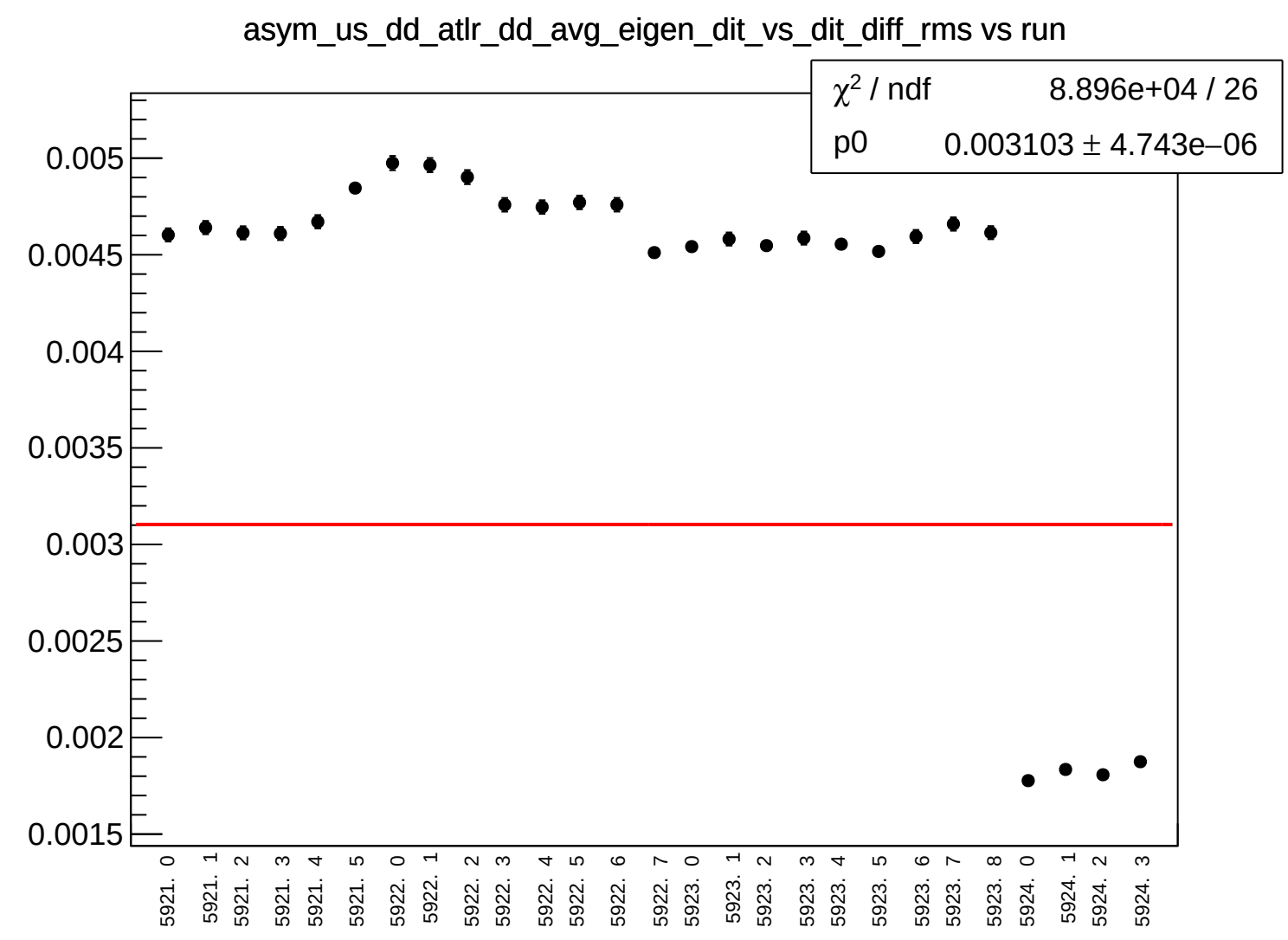

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 6.154e+04 / 26
p0 51.05 ± 0.07563
100
90
80
70
60
50
40
30
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

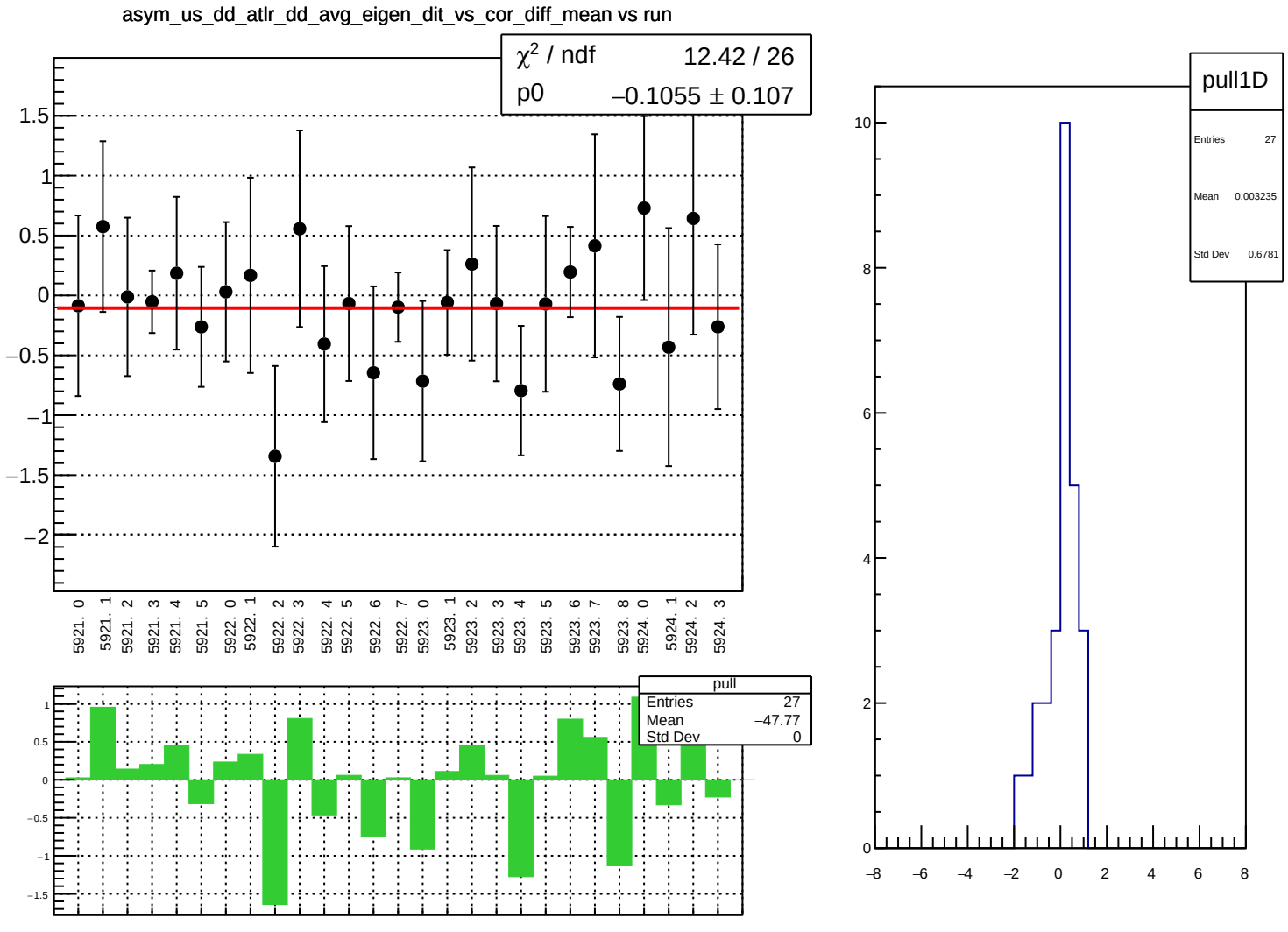

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 12.42 / 26
p0 −0.1055 ± 0.107
pull
Entries 27
Mean −47.72
Std Dev 0

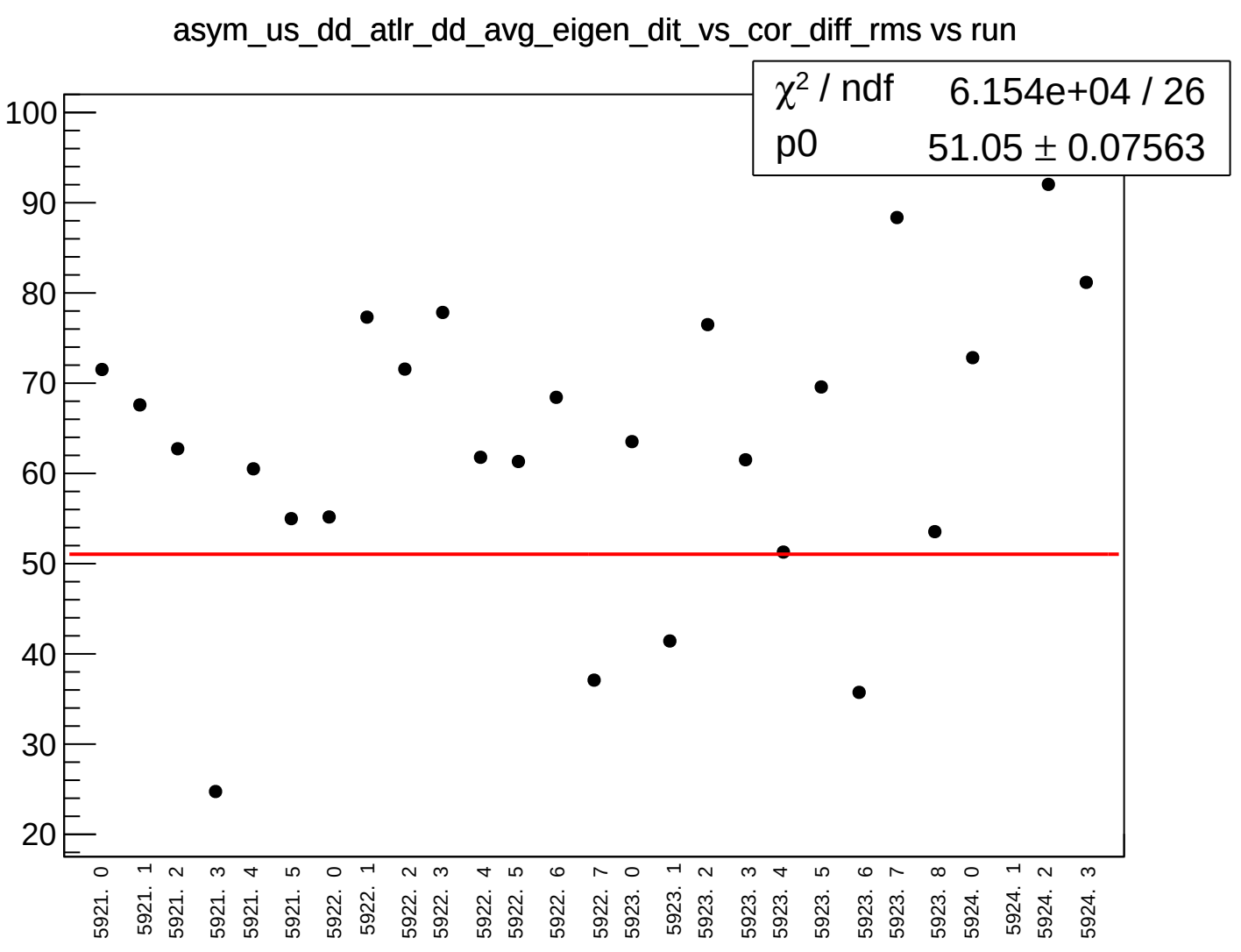

pull1D
Entries 27
Mean 0.003237
Std Dev 0.6781

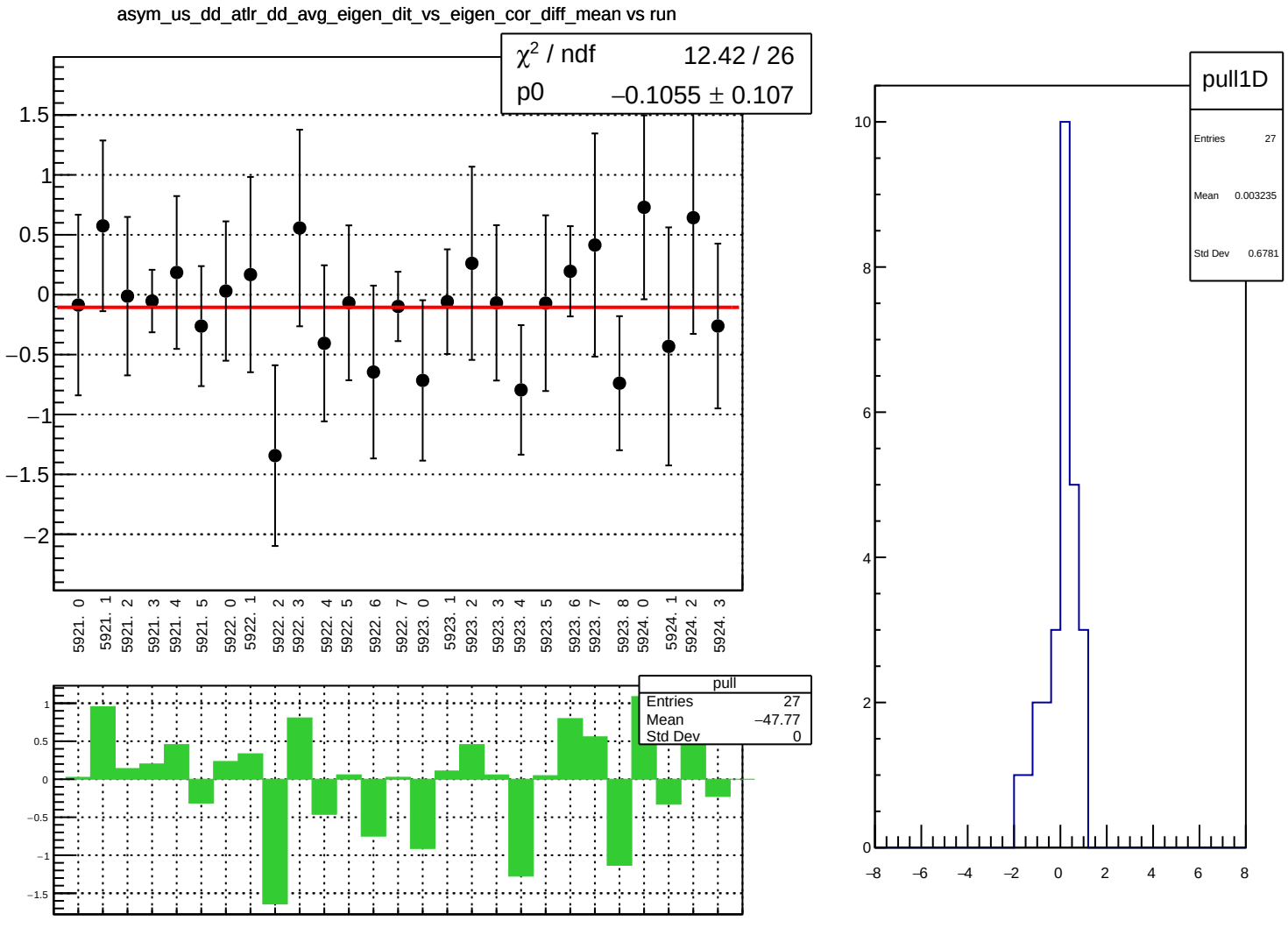

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.154e+04 / 26
p0 51.05 ± 0.07563
100
90
80
70
60
50
40
30
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

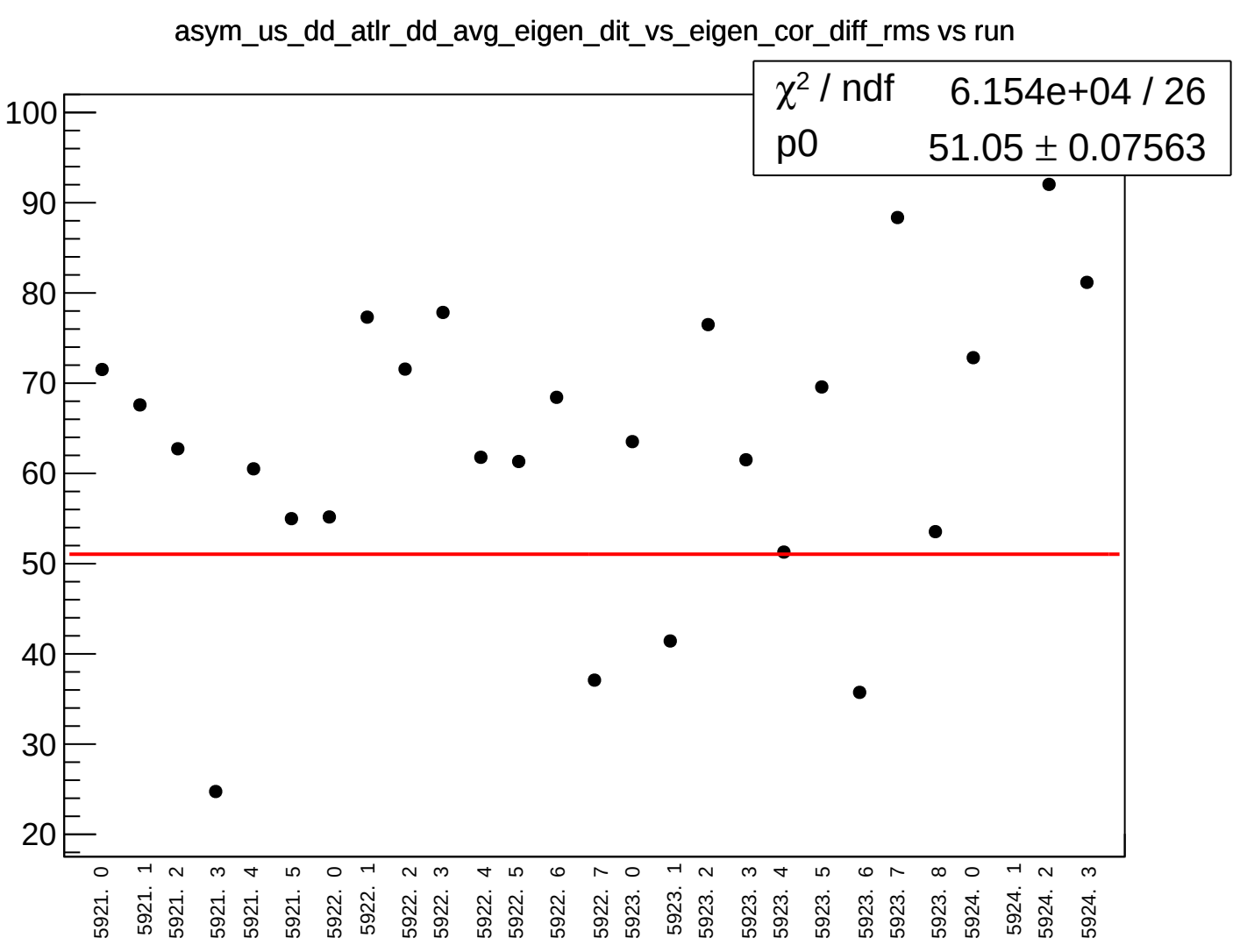

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 22.38 / 26
p0 −4.828e−06 ± 6.707e−06
0.1
0.05
0
−0.05
−0.1
−0.15
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 72.53
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.007798
Std Dev 0.9103
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

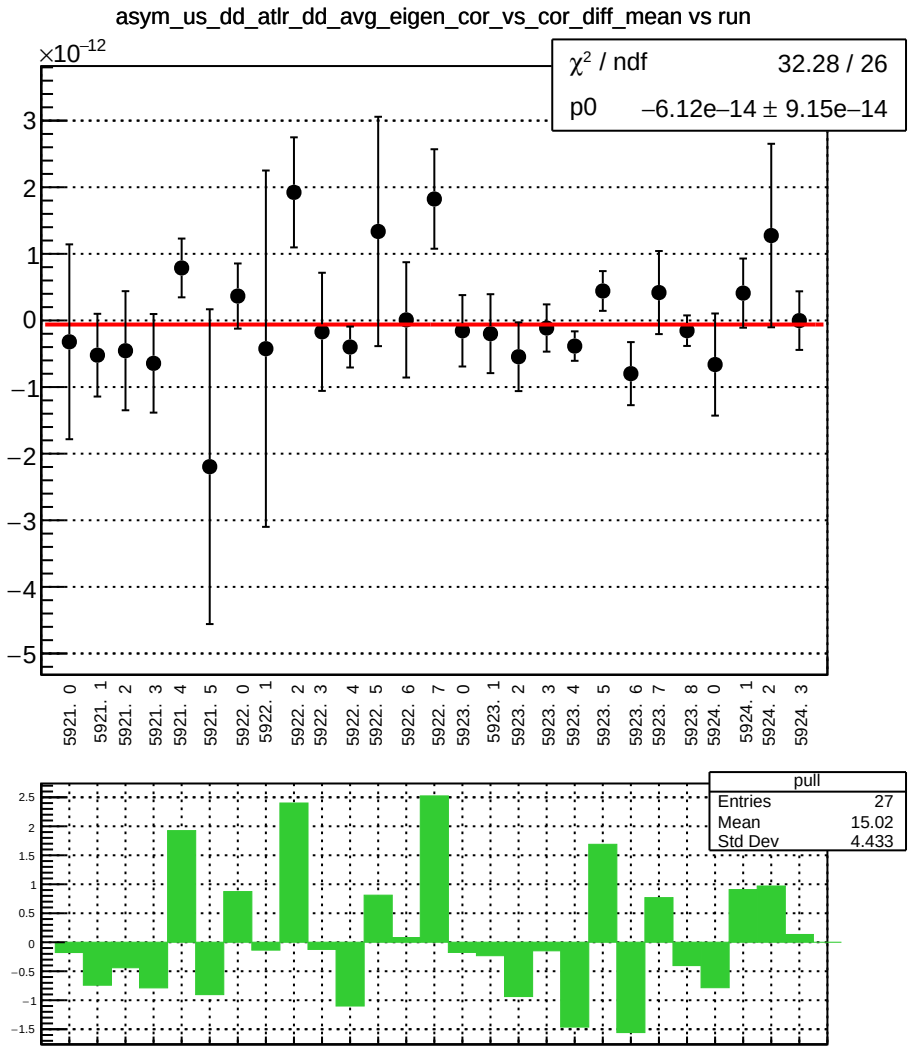

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8.896e+04 / 26
p0 0.003103 ± 4.743e−06
0.005
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

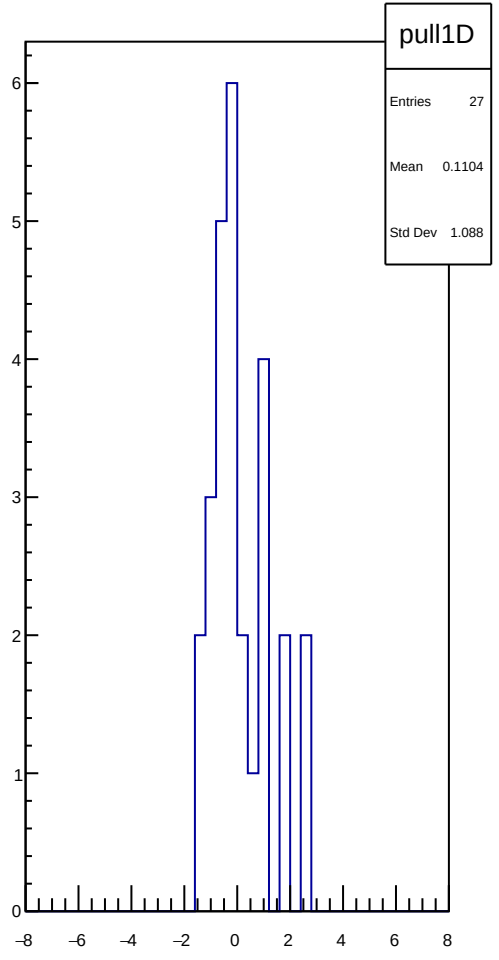

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 12.42 / 26
p0 −0.1055 ± 0.107
1.5
1
0.5
0
−0.5
−1
−1.5
−2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −47.77
Std Dev 0
pull1D
Entries 27
Mean 0.003235
Std Dev 0.6781
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

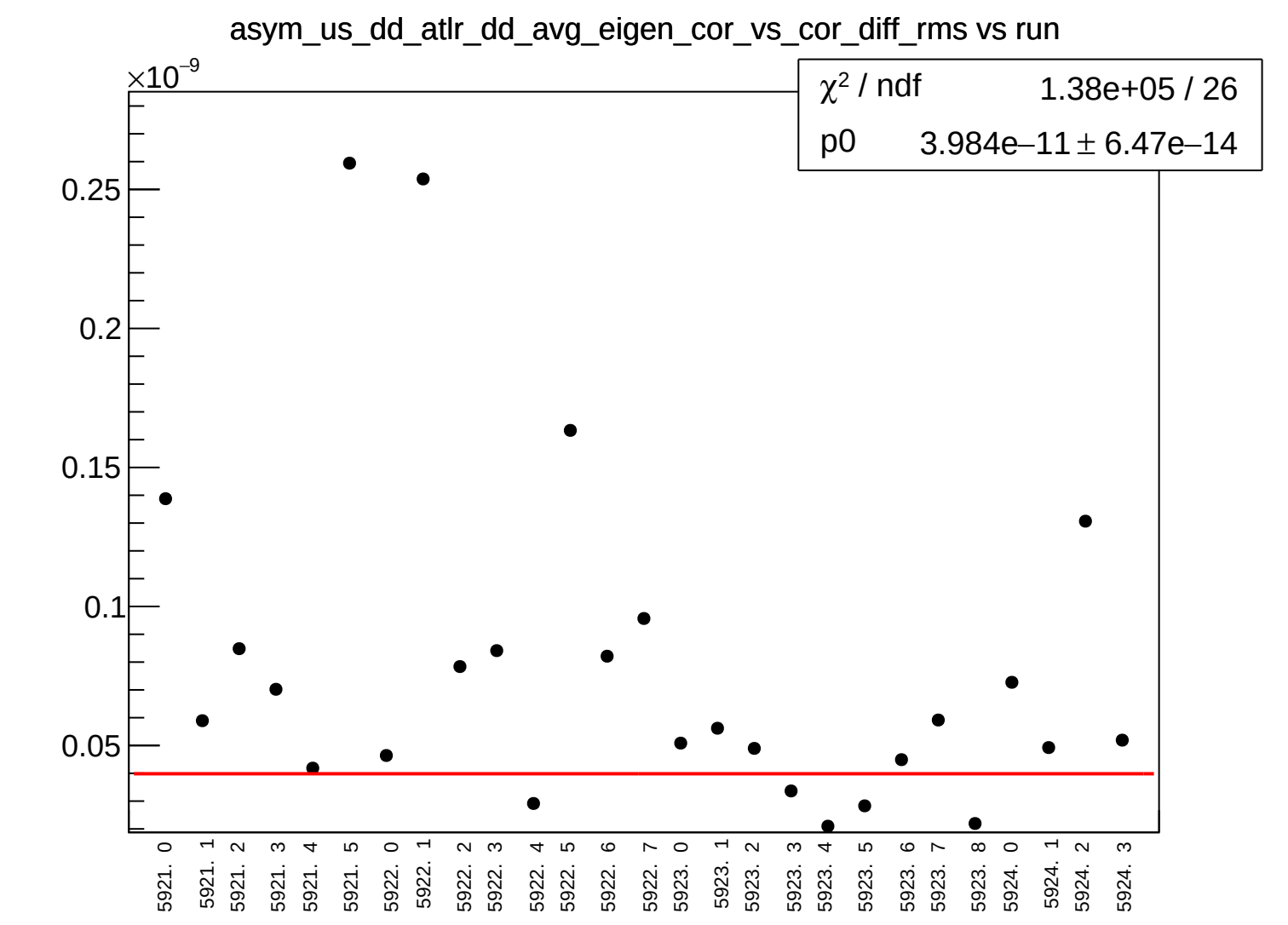

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.154e+04 / 26
p0 51.05 ± 0.07563
100
90
80
70
60
50
40
30
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

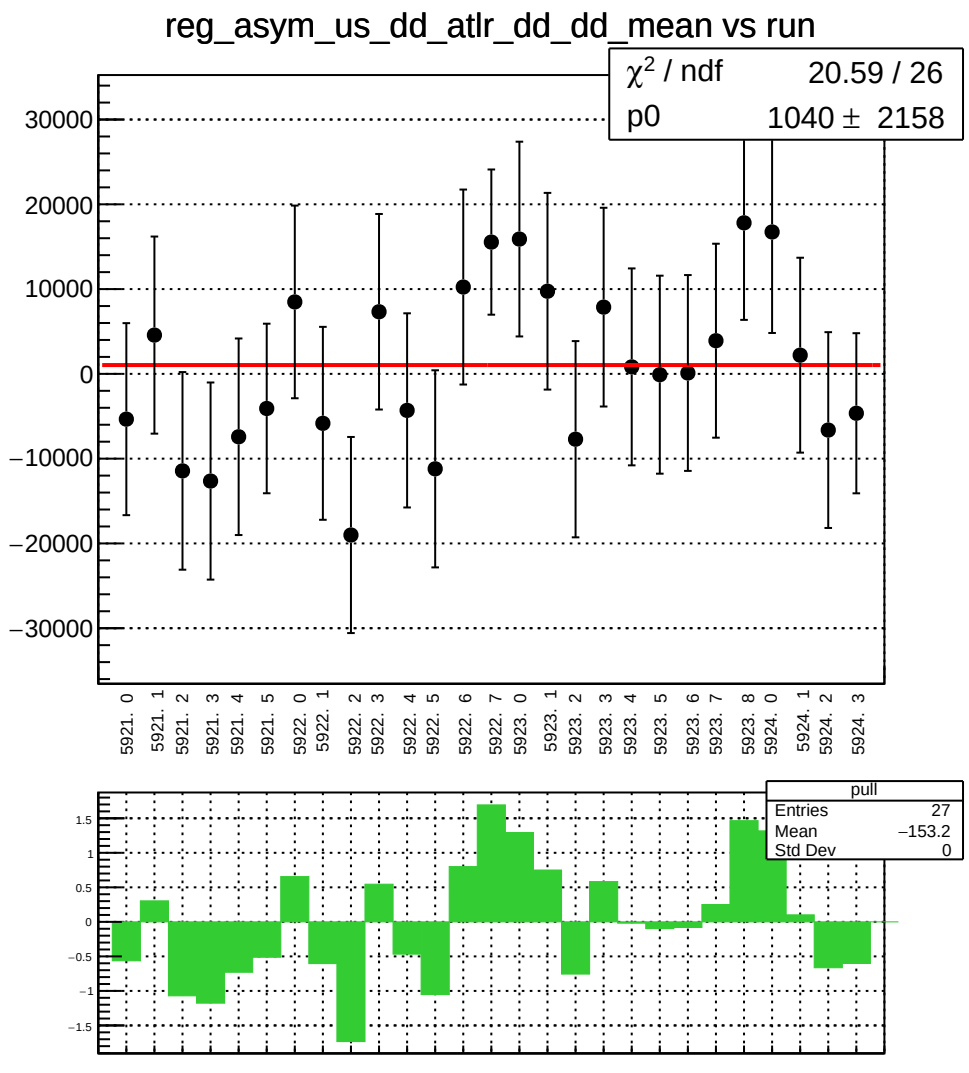

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 12.42 / 26
p0 −0.1055 ± 0.107
1.5
1
0.5
0
−0.5
−1
−1.5
−2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −47.77
Std Dev 0
pull1D
Entries 27
Mean 0.003235
Std Dev 0.6781
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

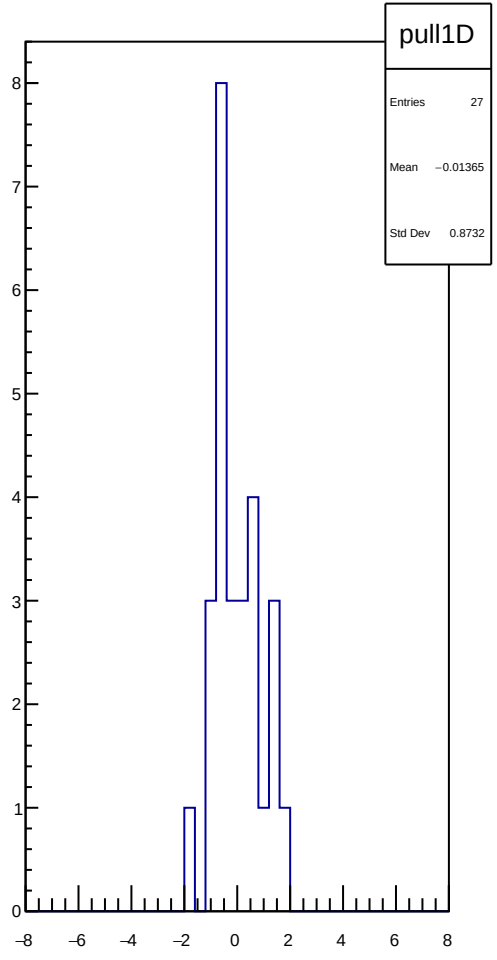

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.154e+04 / 26
p0 51.05 ± 0.07563
100
90
80
70
60
50
40
30
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

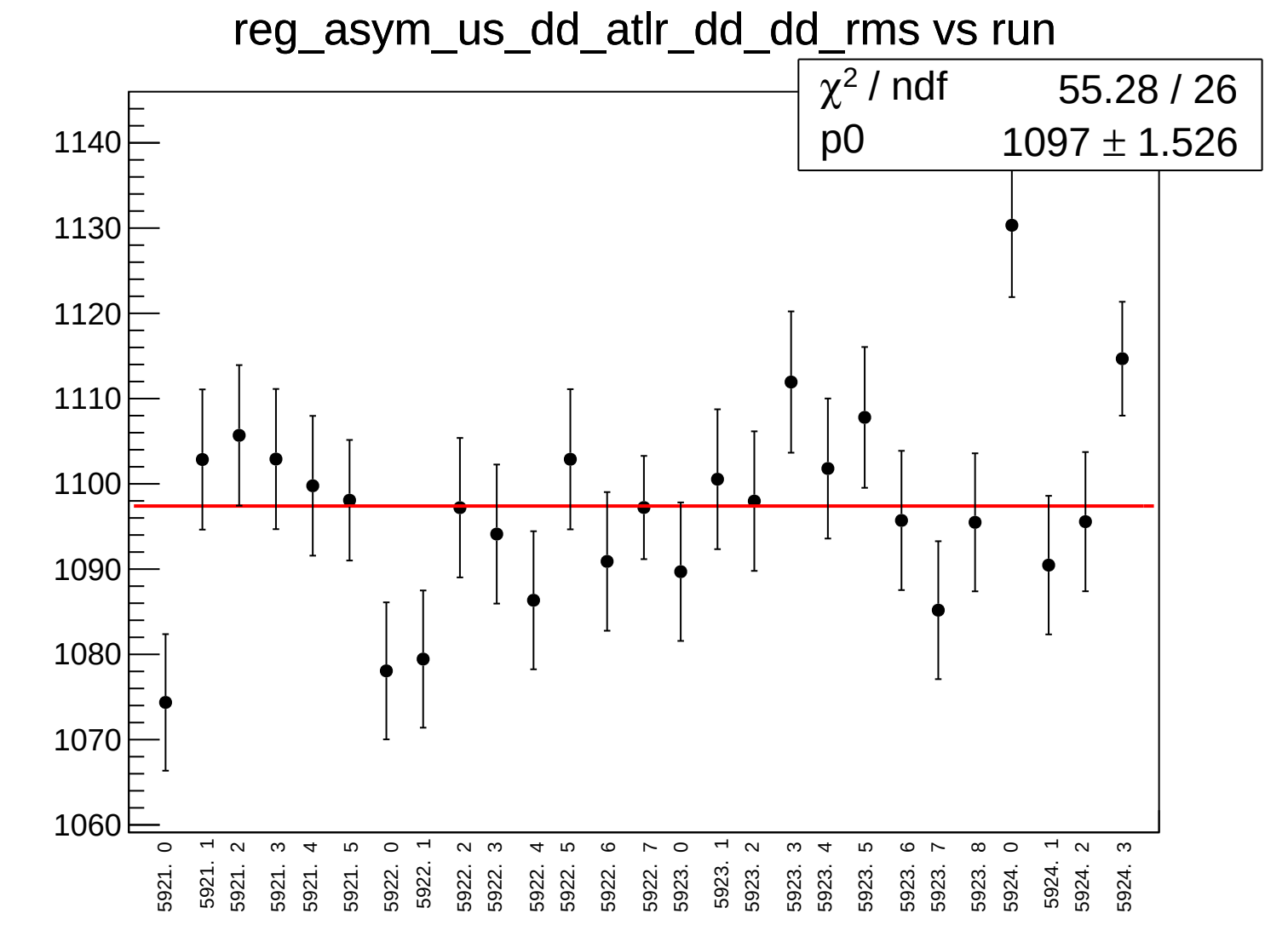

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 32.28 / 26
p0 −6.12e−14 ± 9.15e−14
3
2
1
0
−1
−2
−3
−4
−5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 15.02
Std Dev 4.433
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

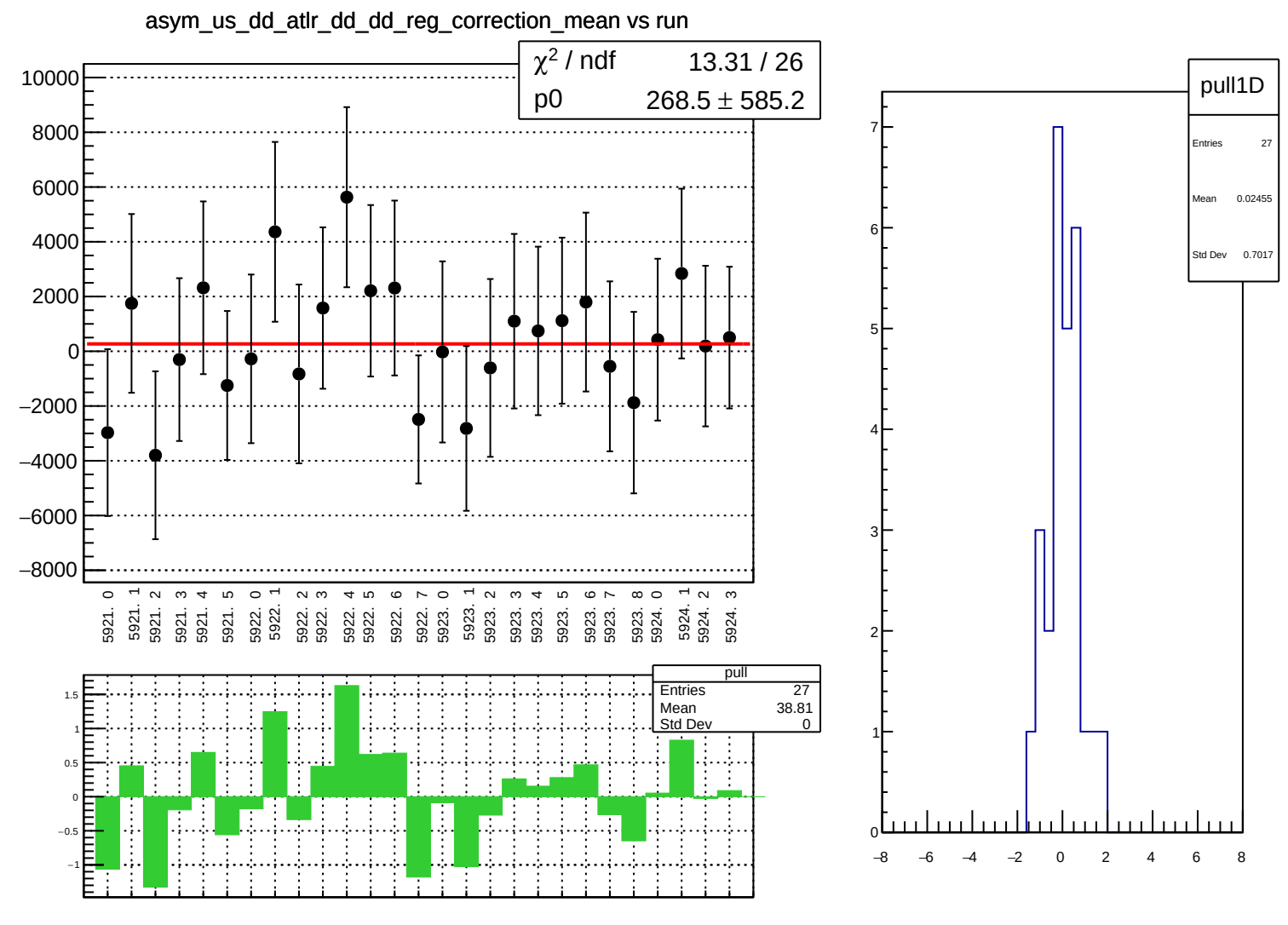

pull1D
Entries 27
Mean 0.1104
Std Dev 1.088
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

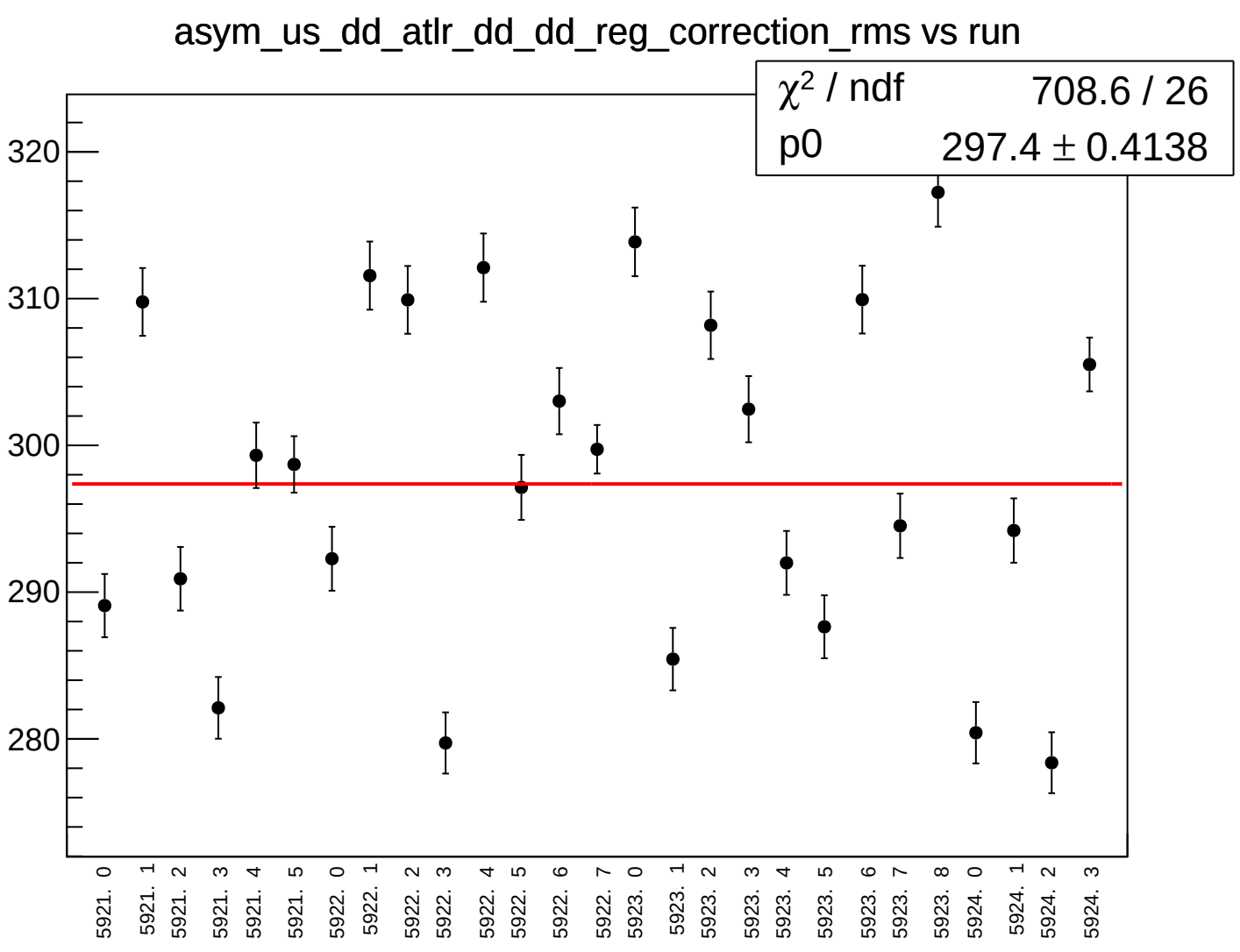

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.38e+05 / 26
p0 3.984e−11 ± 6.47e−14
0.25
0.2
0.15
0.1
0.05
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

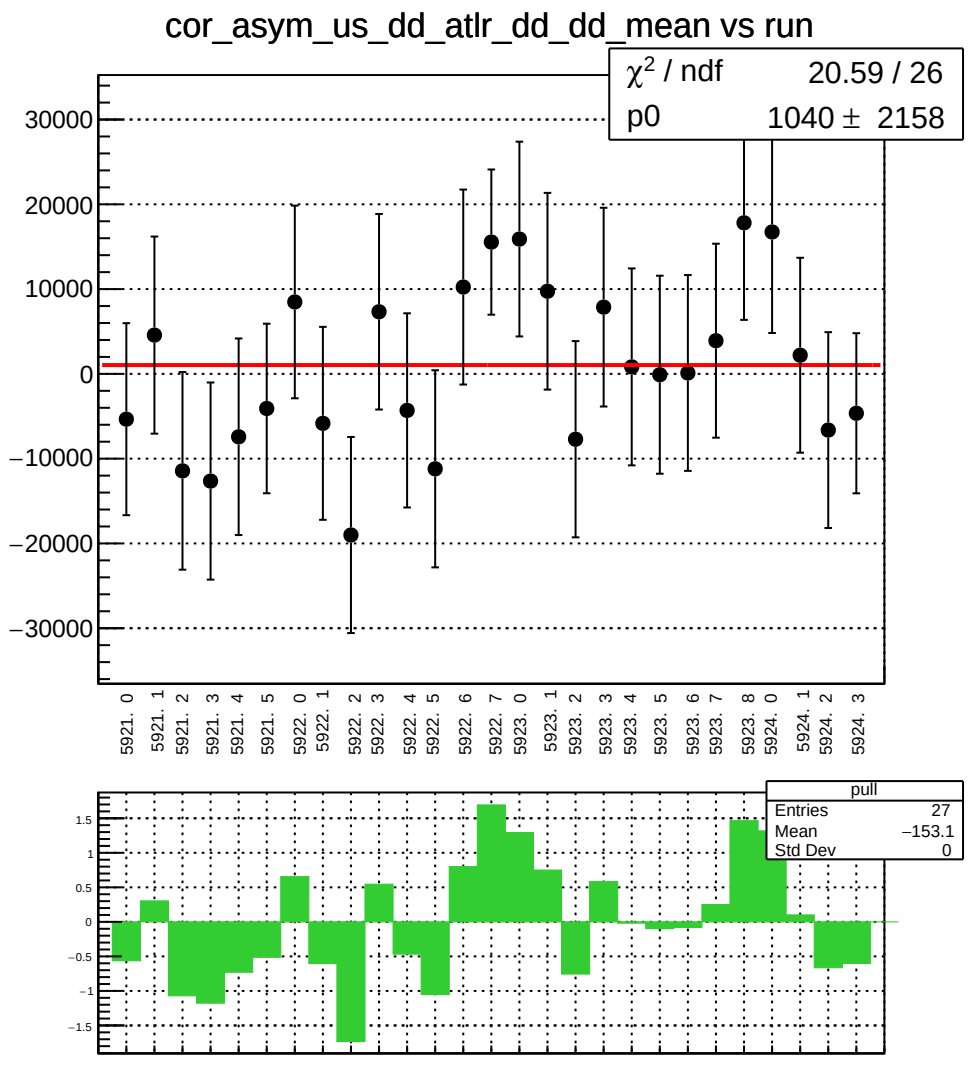

reg_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 20.59 / 26
p0 1040 ± 2158
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −153.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

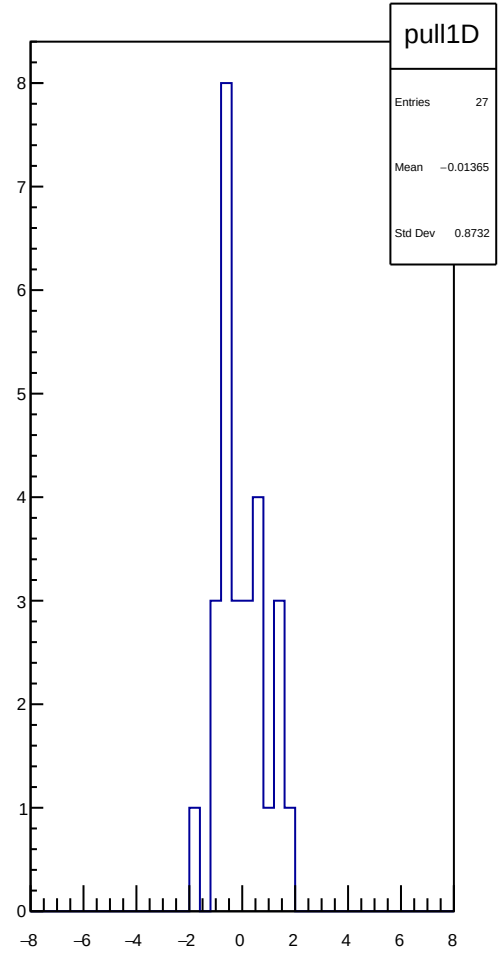

pull1D
Entries 27
Mean −0.01365
Std Dev 0.8732
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

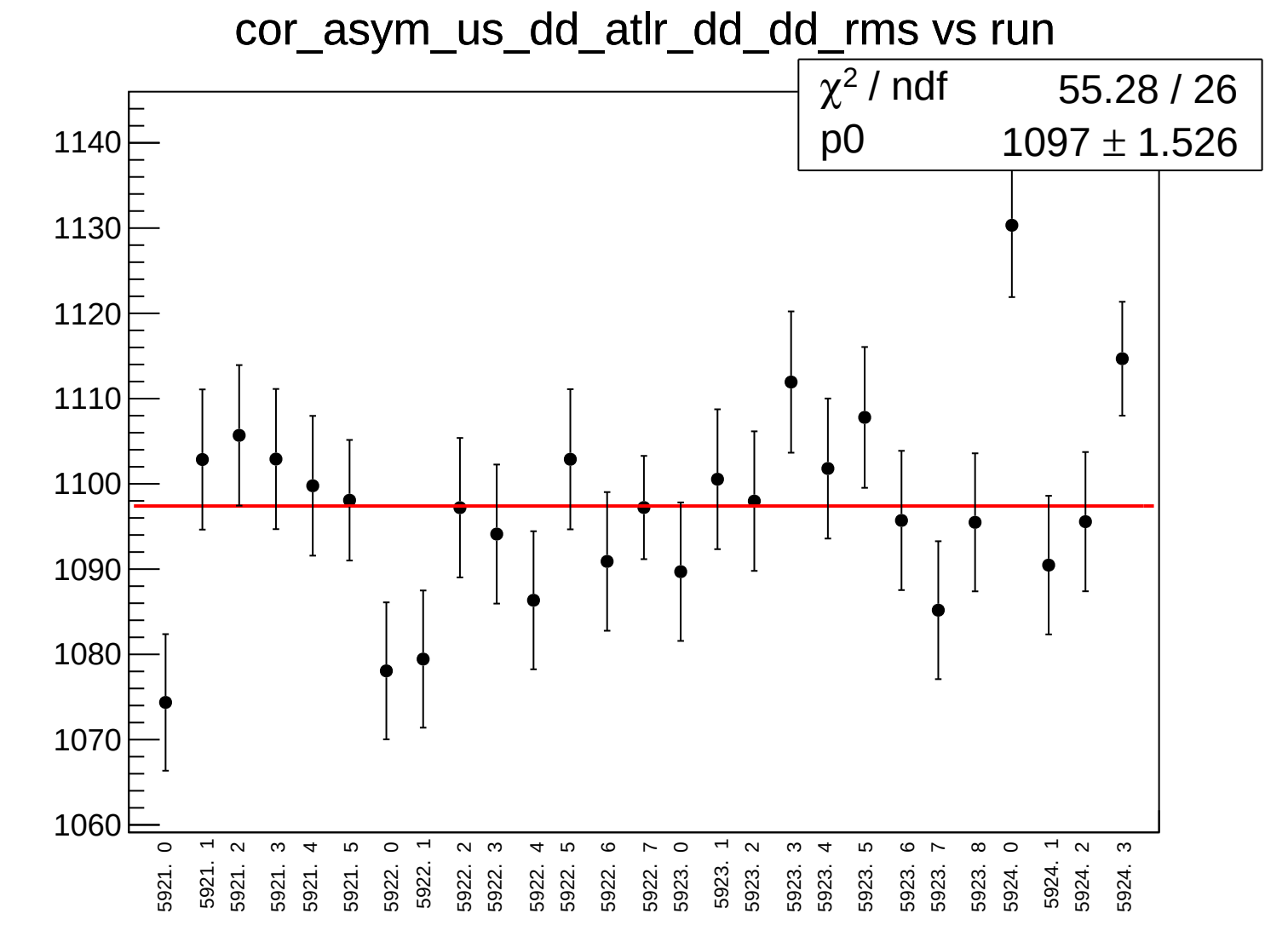

reg_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 55.28 / 26
p0 1097 ± 1.526
1140
1130
1120
1110
1100
1090
1080
1070
1060
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

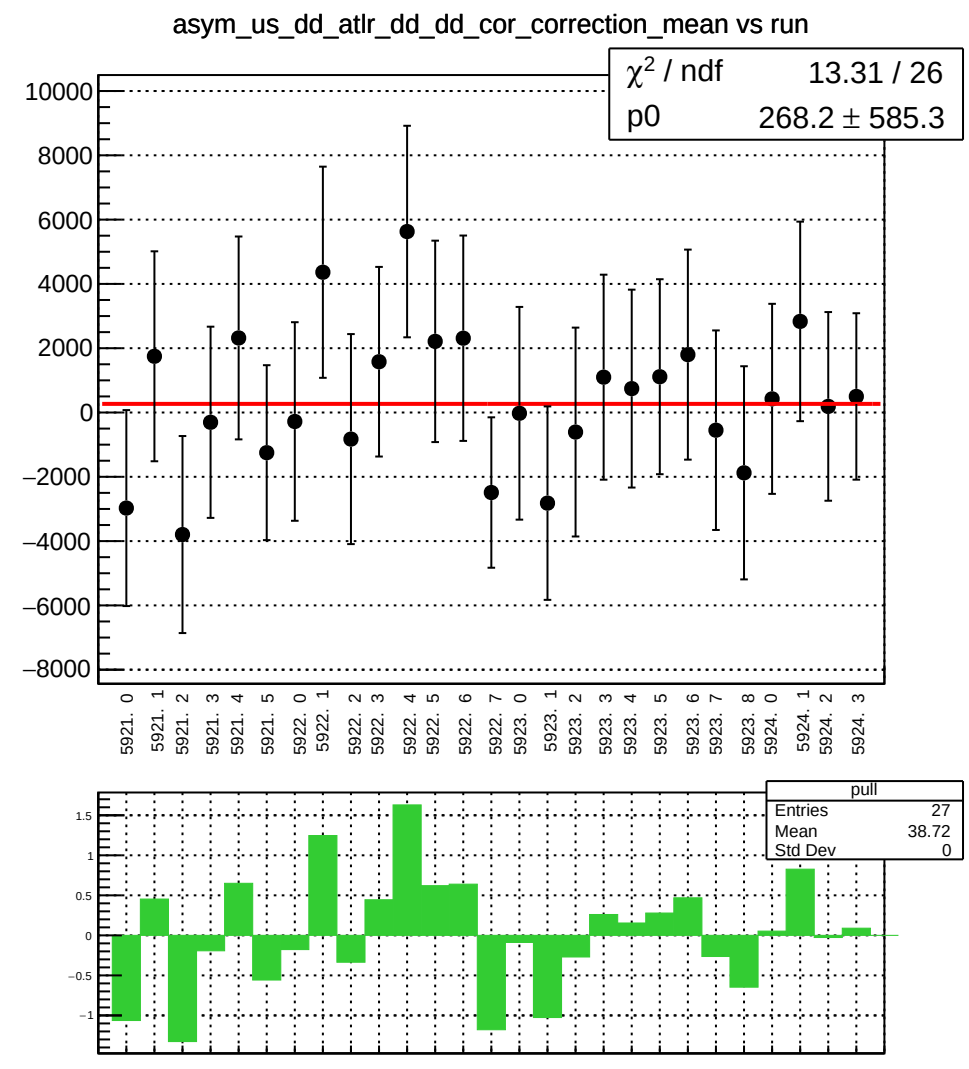

asym_us_dd_atlr_dd_dd_reg_correction_mean vs run
χ² / ndf 13.31 / 26
p0 268.5 ± 585.2
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 38.81
Std Dev 0
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 27
Mean 0.02455
Std Dev 0.7017
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

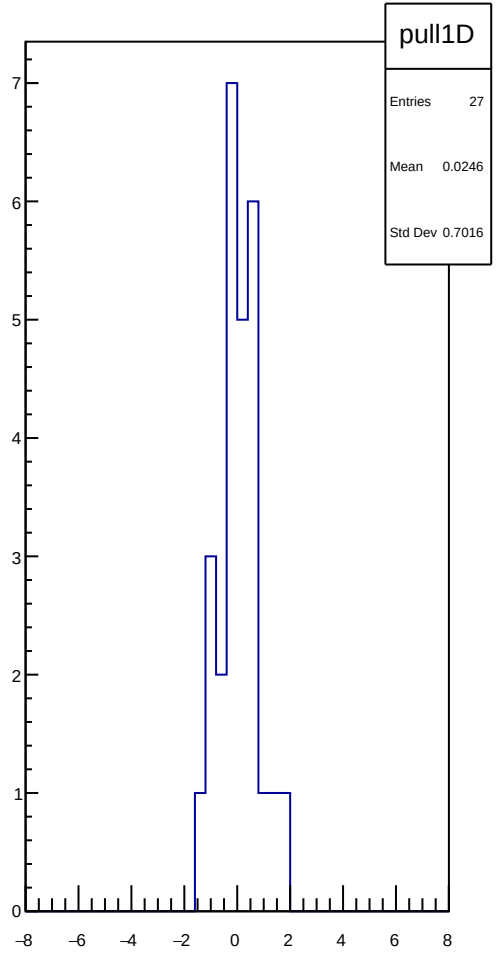

asym_us_dd_atlr_dd_dd_reg_correction_rms vs run
χ² / ndf 708.6 / 26
p0 297.4 ± 0.4138
320
310
300
290
280
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

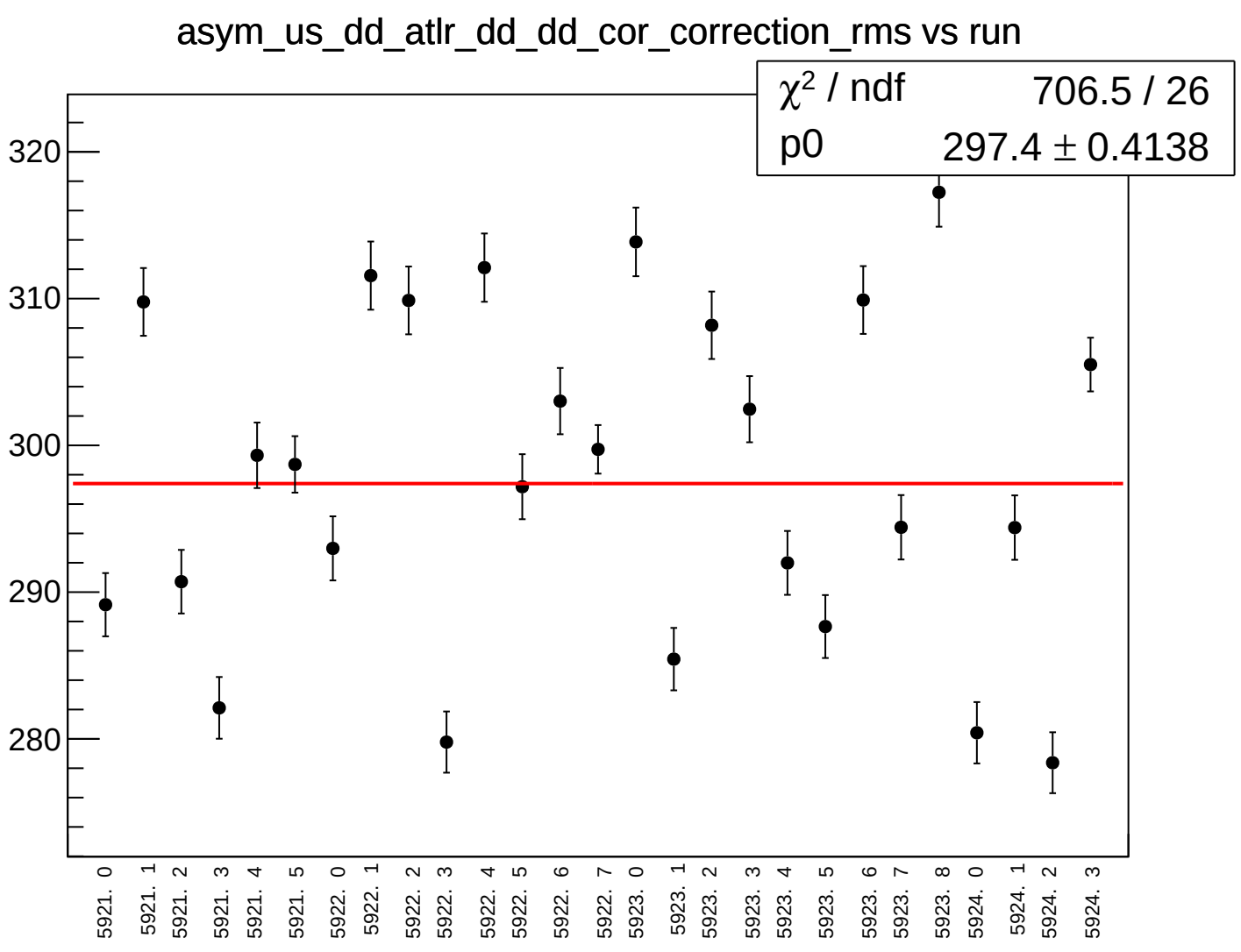

cor_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 20.59 / 26
p0 1040 ± 2158
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −153.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

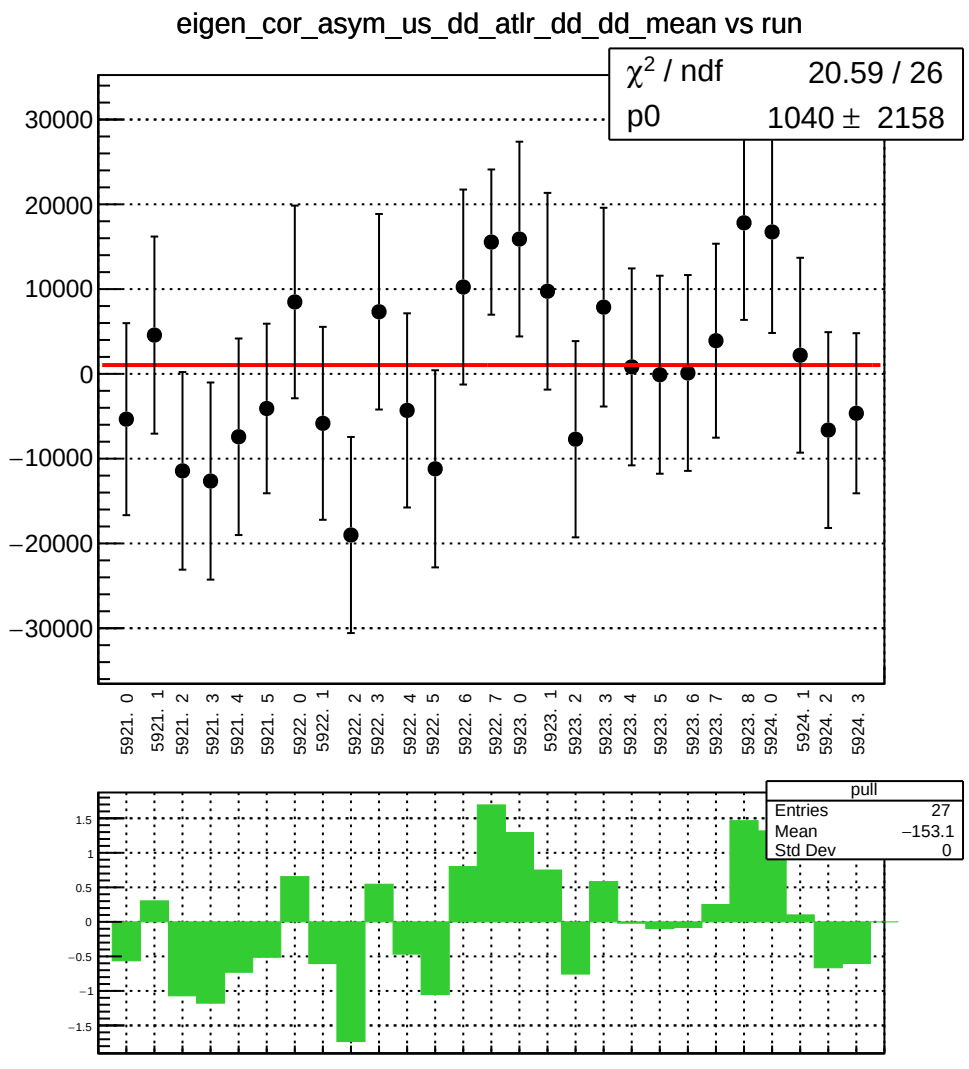

pull1D
Entries 27
Mean −0.01365
Std Dev 0.8732
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

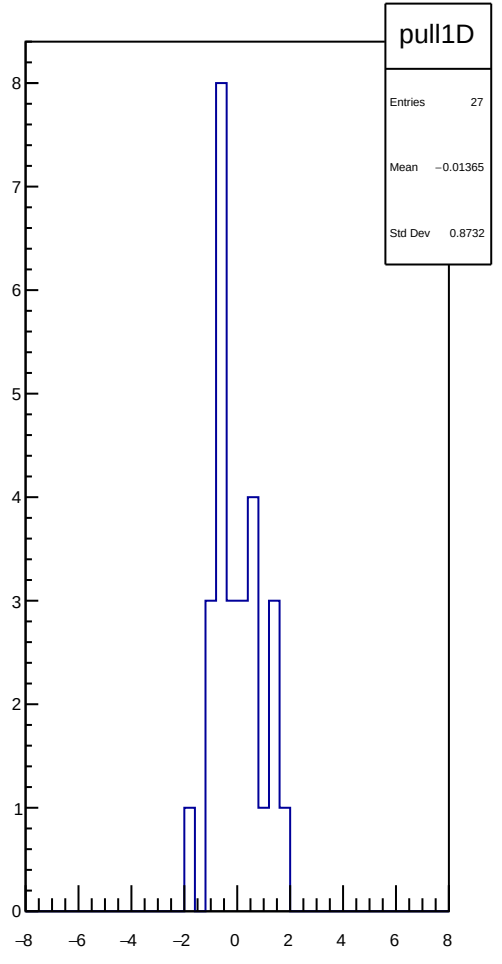

cor_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 55.28 / 26
p0 1097 ± 1.526
1140
1130
1120
1110
1100
1090
1080
1070
1060
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

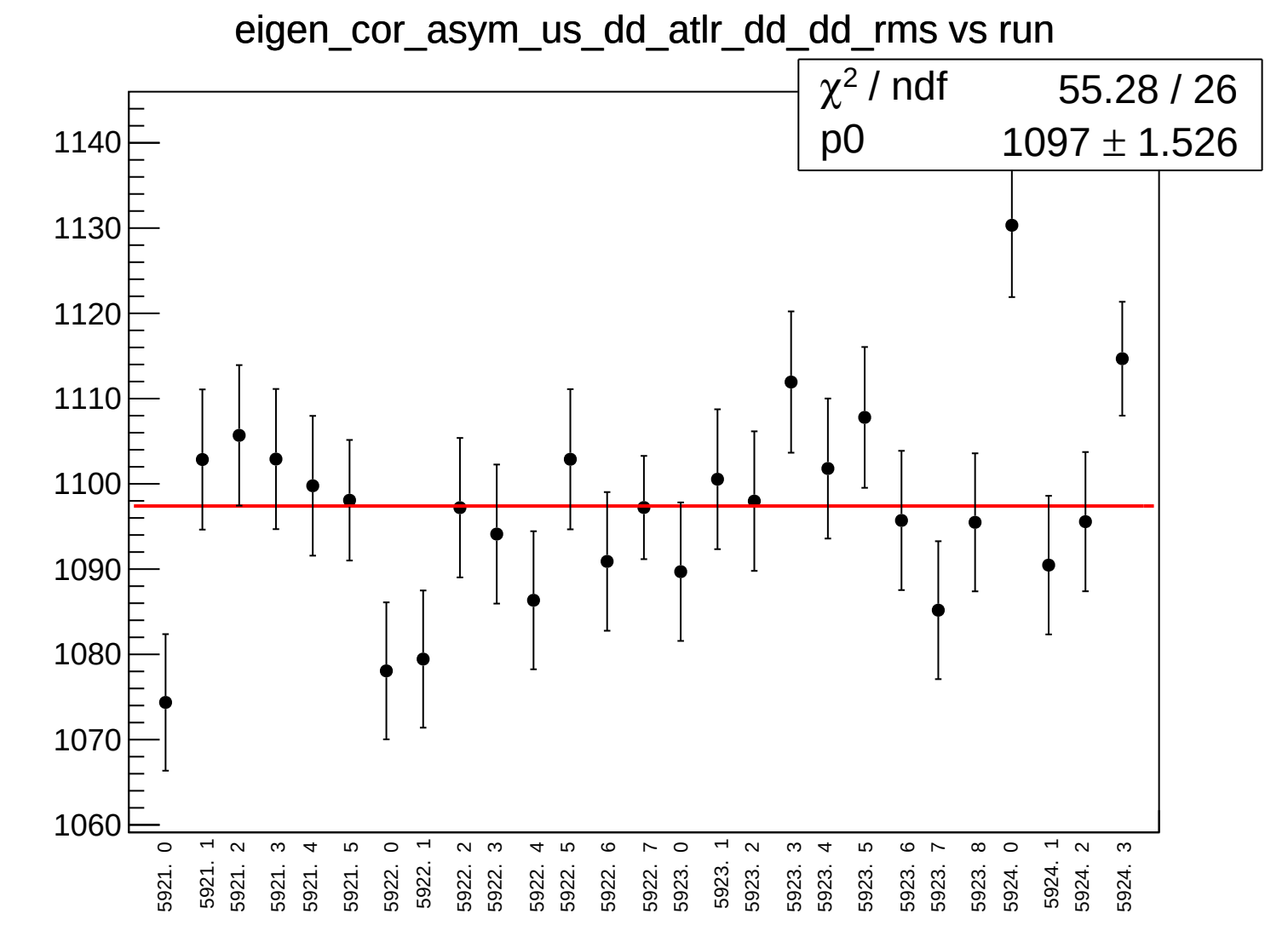

asym_us_dd_atlr_dd_dd_cor_correction_mean vs run
χ² / ndf 13.31 / 26
p0 268.2 ± 585.3
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 38.72
Std Dev 0
1.5
1
0.5
0
−0.5
−1

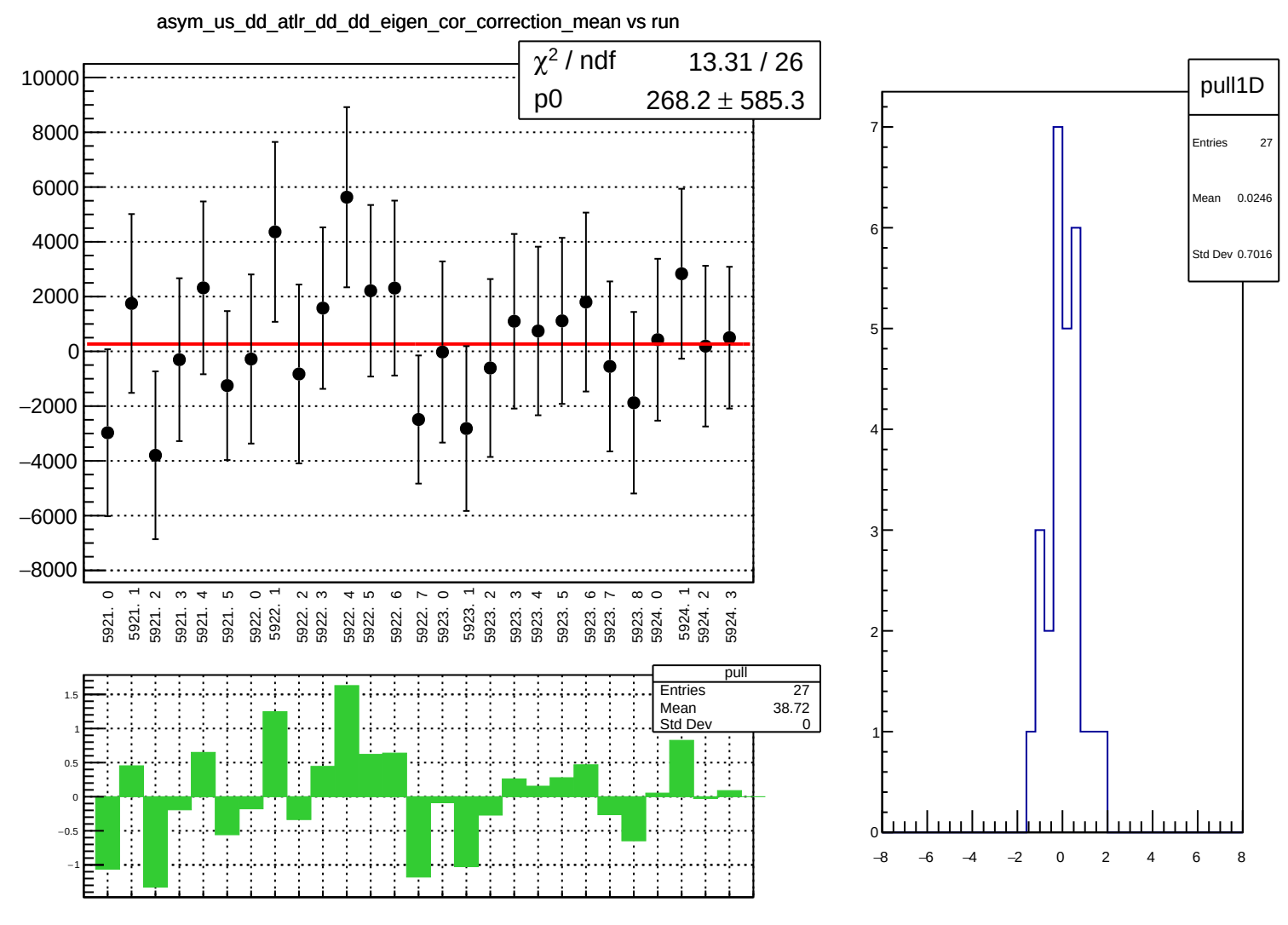

pull1D
Entries 27
Mean 0.0246
Std Dev 0.7016
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

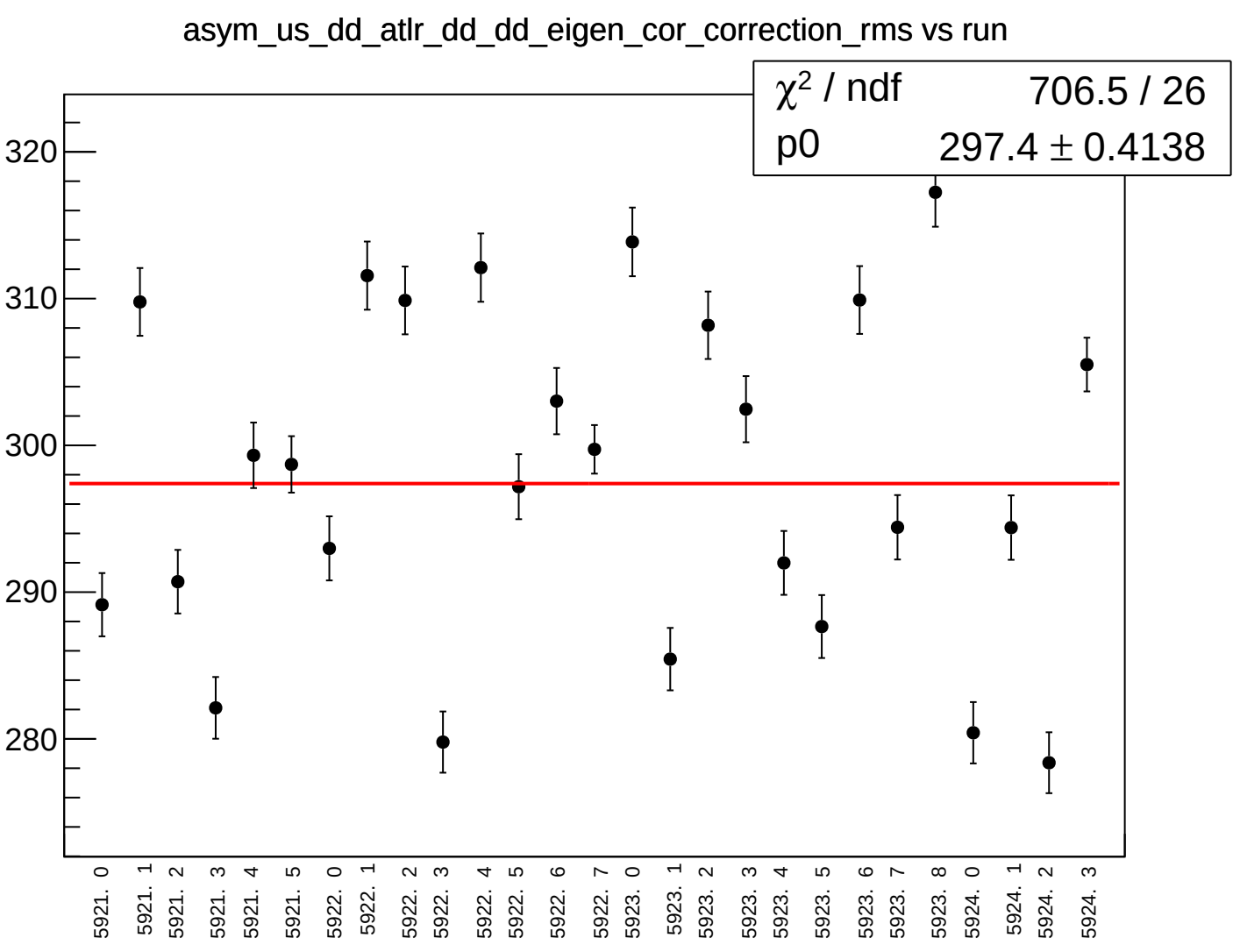

asym_us_dd_atlr_dd_dd_cor_correction_rms vs run
χ² / ndf 706.5 / 26
p0 297.4 ± 0.4138
320
310
300
290
280
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

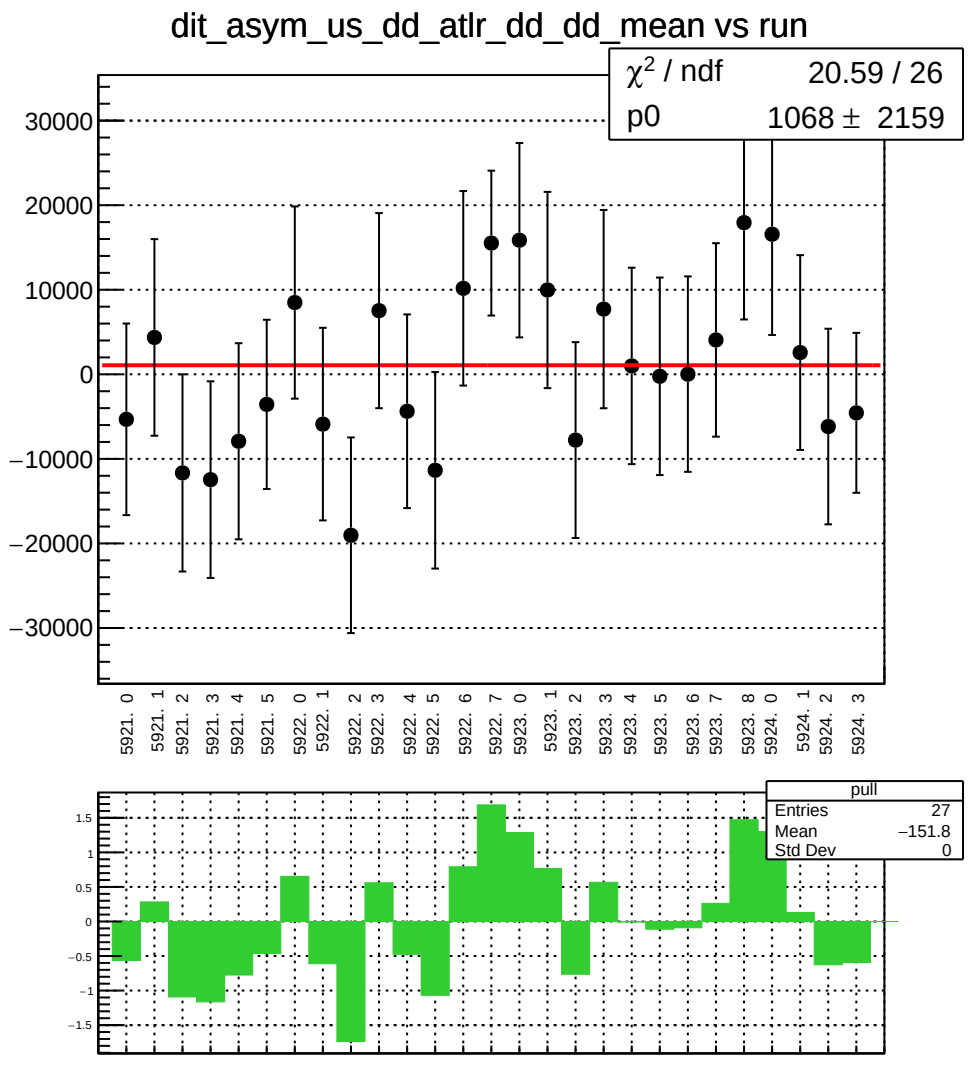

eigen_cor_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 20.59 / 26
p0 1040 ± 2158
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −153.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

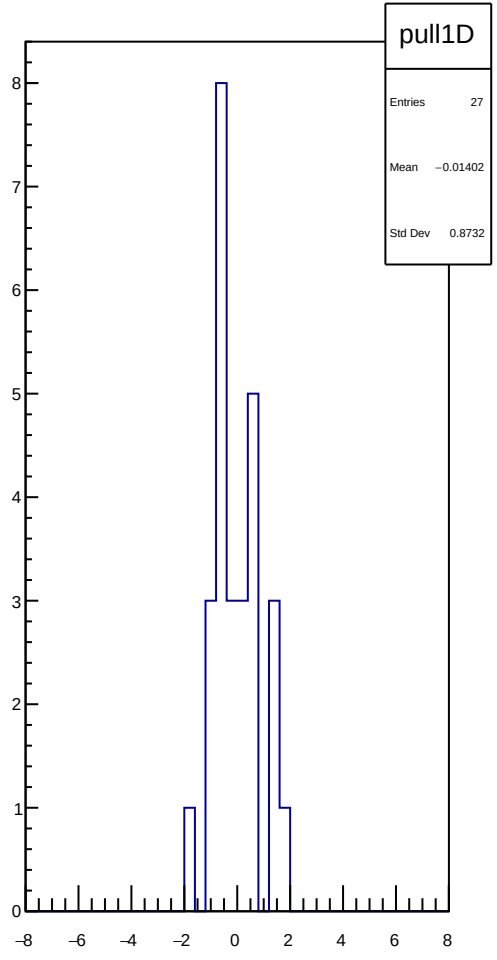

pull1D
Entries 27
Mean −0.01365
Std Dev 0.8732
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

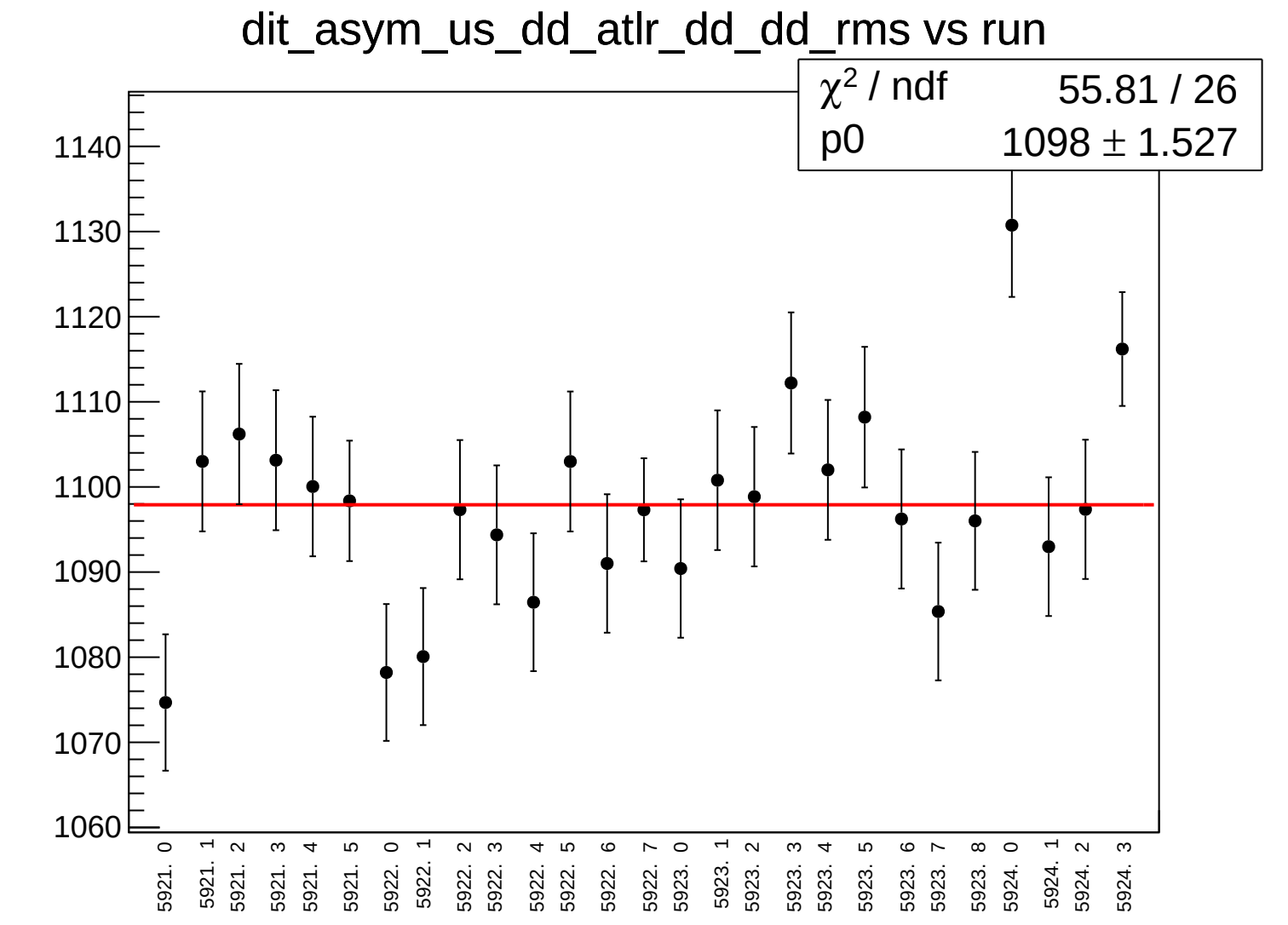

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 55.28 / 26
p0 1097 ± 1.526
1140
1130
1120
1110
1100
1090
1080
1070
1060
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

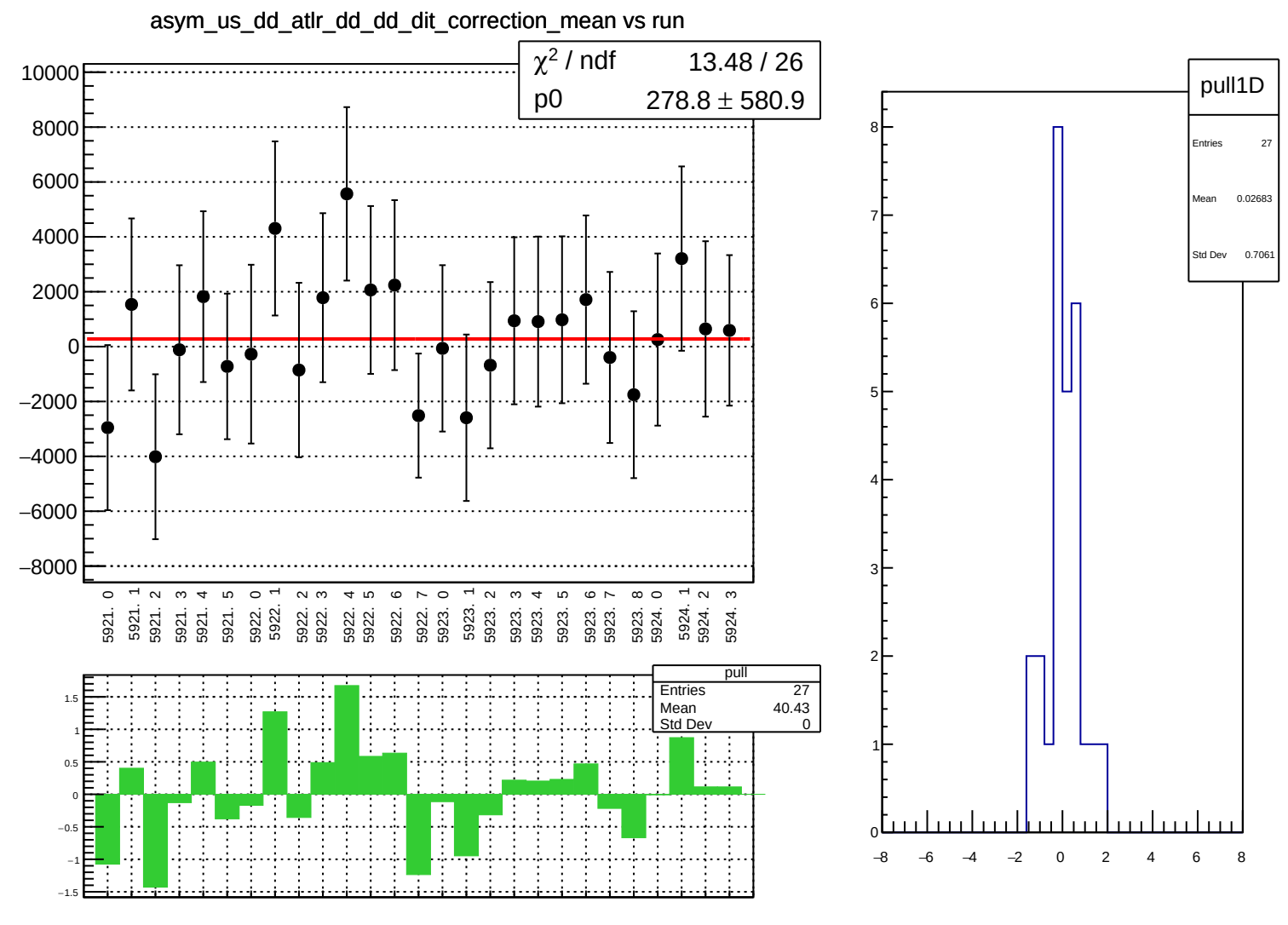

asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 13.31 / 26
p0 268.2 ± 585.3
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 38.72
Std Dev 0
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 27
Mean 0.0246
Std Dev 0.7016
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

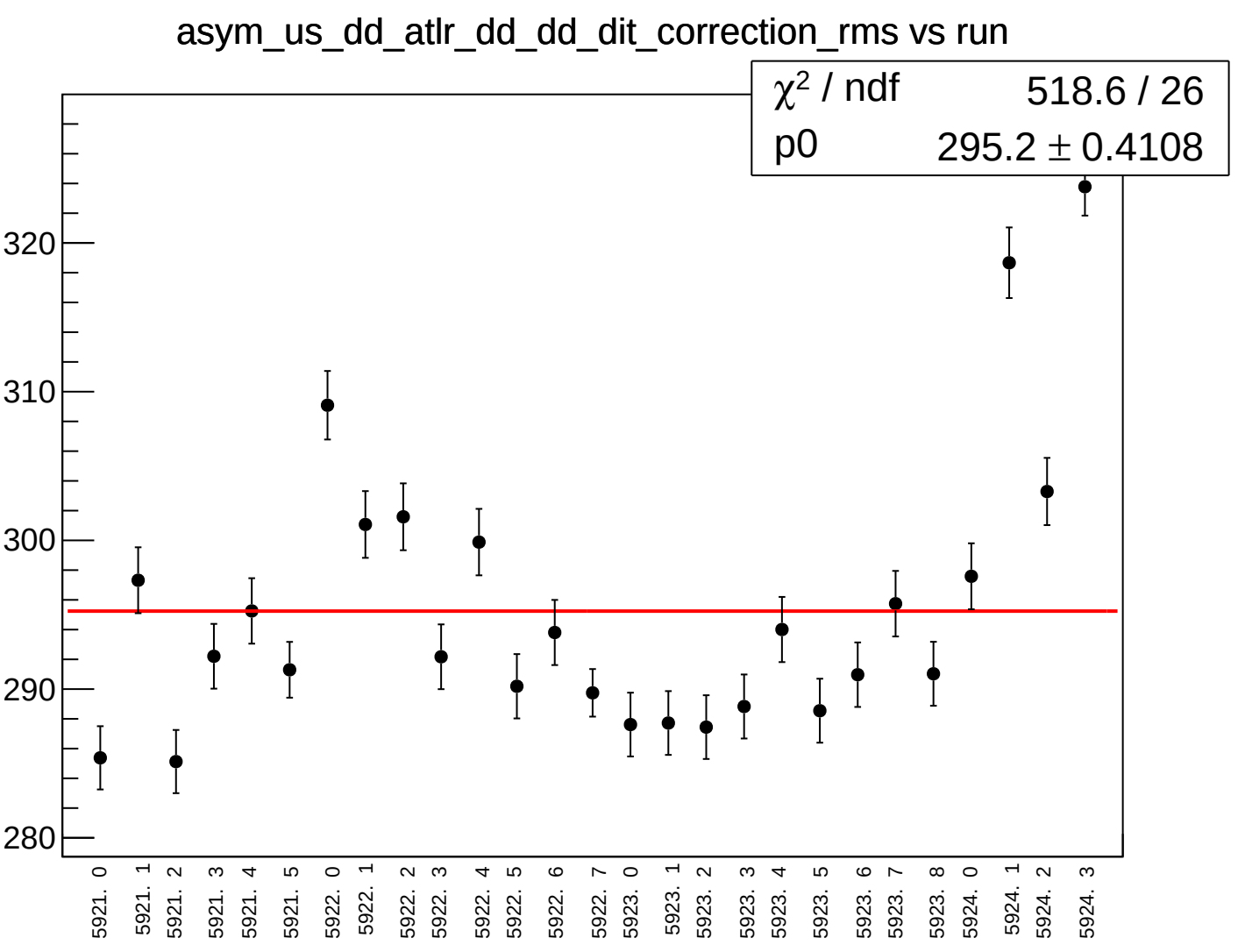

asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 706.5 / 26
p0 297.4 ± 0.4138
320
310
300
290
280
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

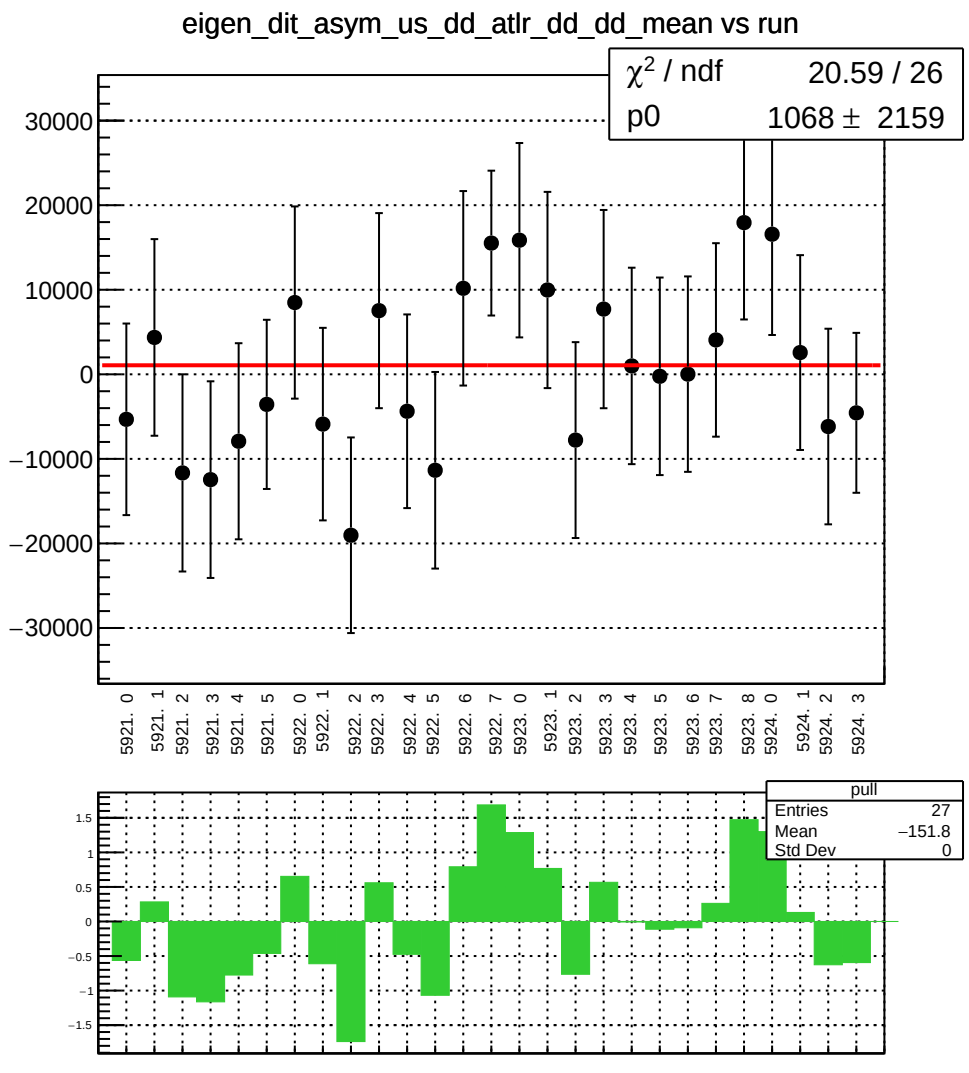

dit_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 20.59 / 26
p0 1068 ± 2159
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −151.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

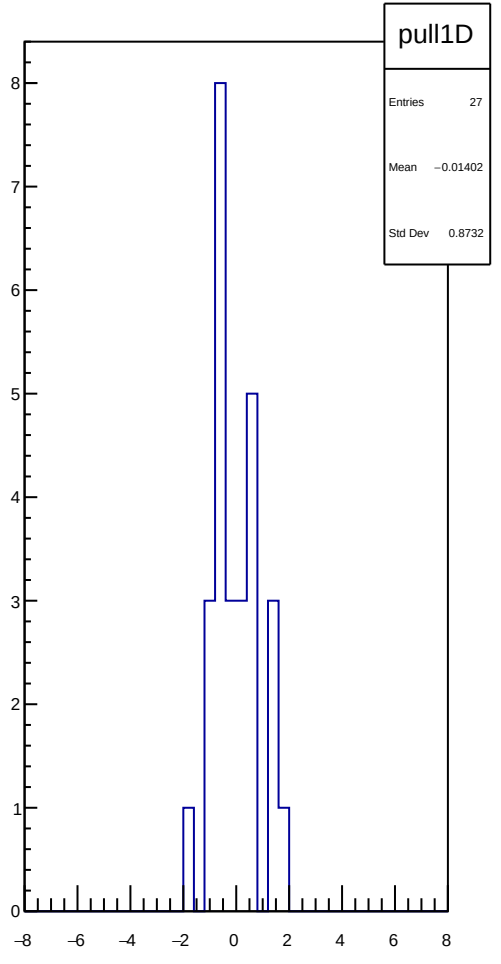

pull1D
Entries 27
Mean −0.01402
Std Dev 0.8732
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

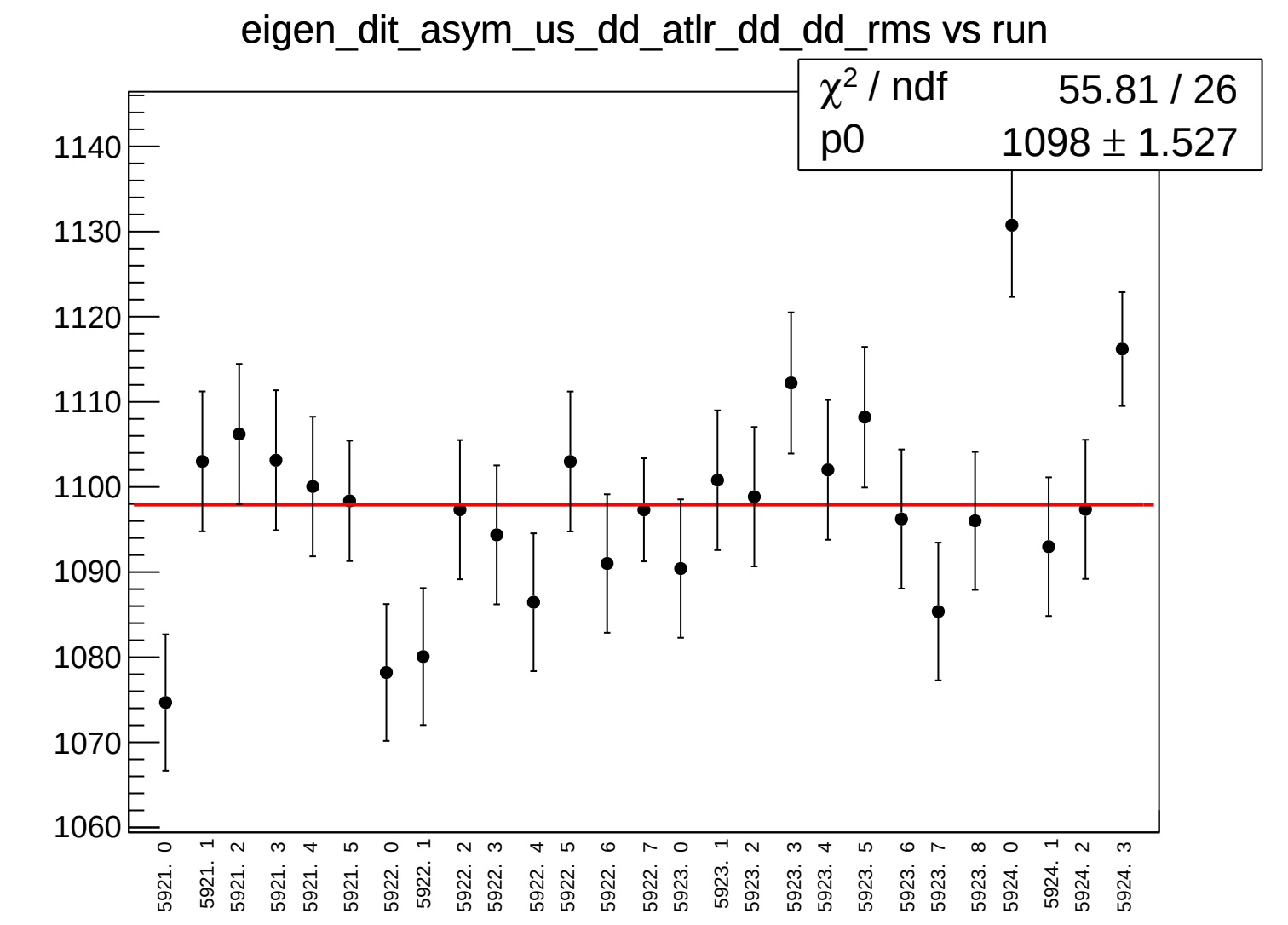

dit_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 55.81 / 26
p0 1098 ± 1.527
1140
1130
1120
1110
1100
1090
1080
1070
1060
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

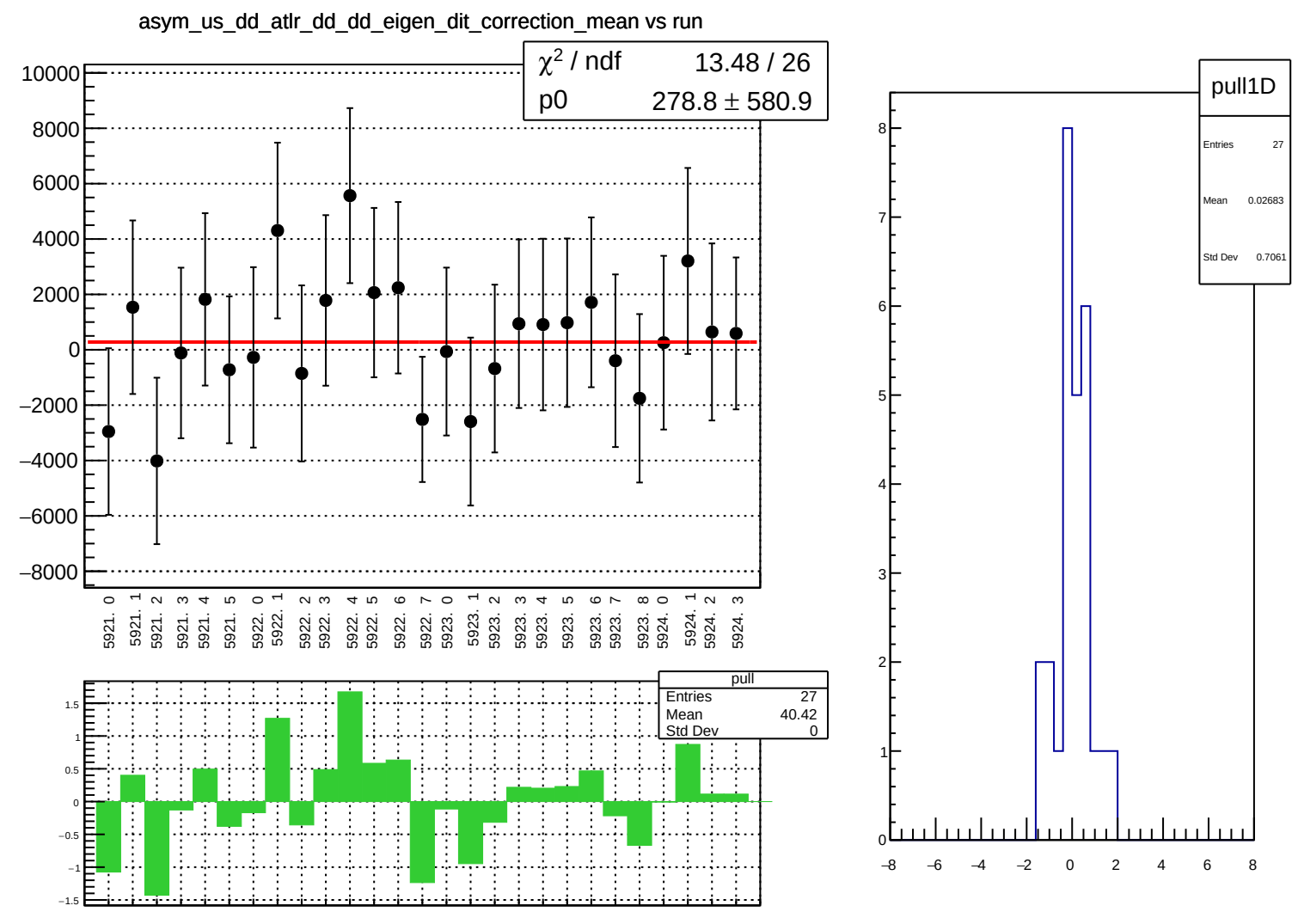

asym_us_dd_atlr_dd_dd_dit_correction_mean vs run
χ² / ndf 13.48 / 26
p0 278.8 ± 580.9
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 40.43
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.02683
Std Dev 0.7061
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

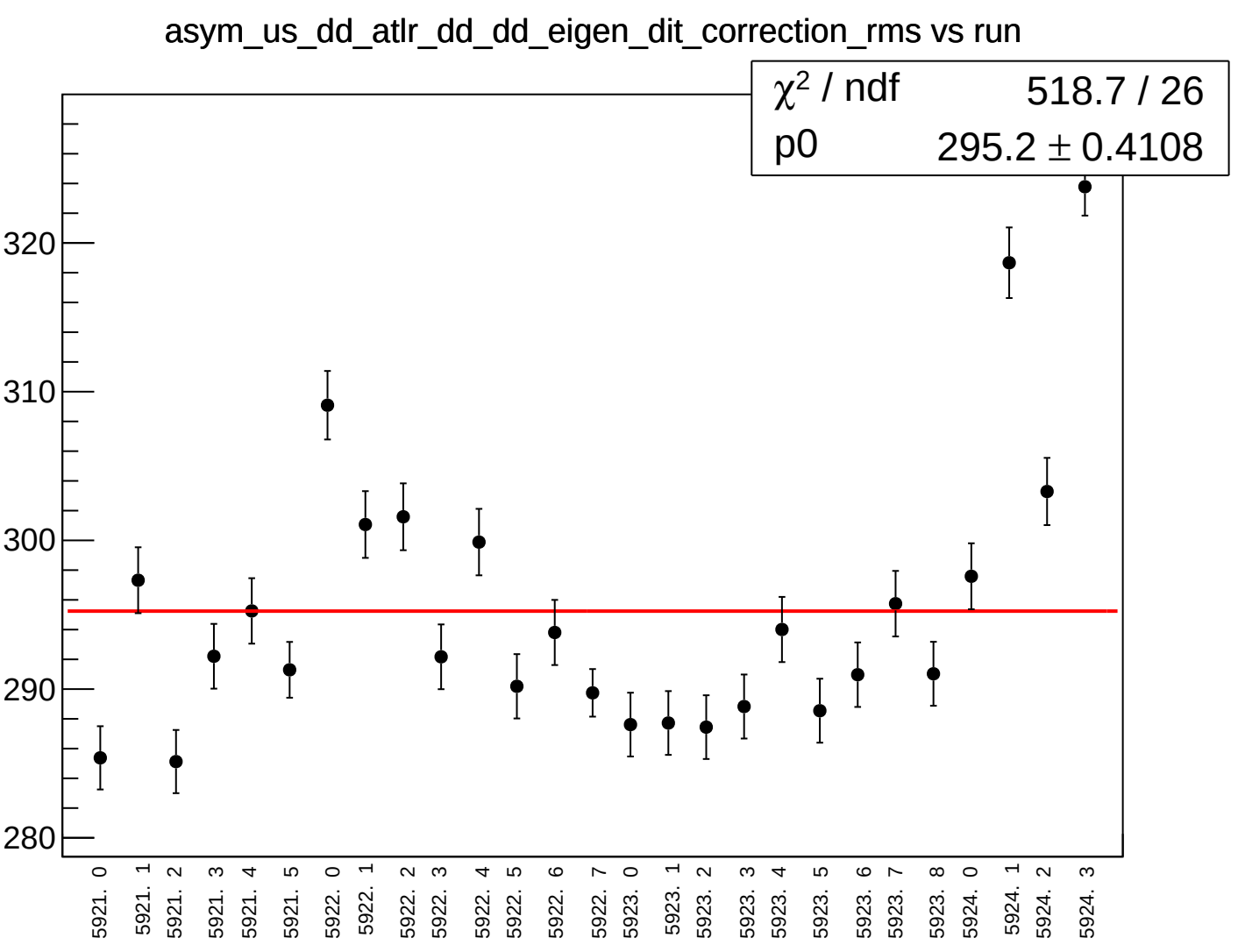

asym_us_dd_atlr_dd_dd_dit_correction_rms vs run
χ² / ndf 518.6 / 26
p0 295.2 ± 0.4108
320
310
300
290
280
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

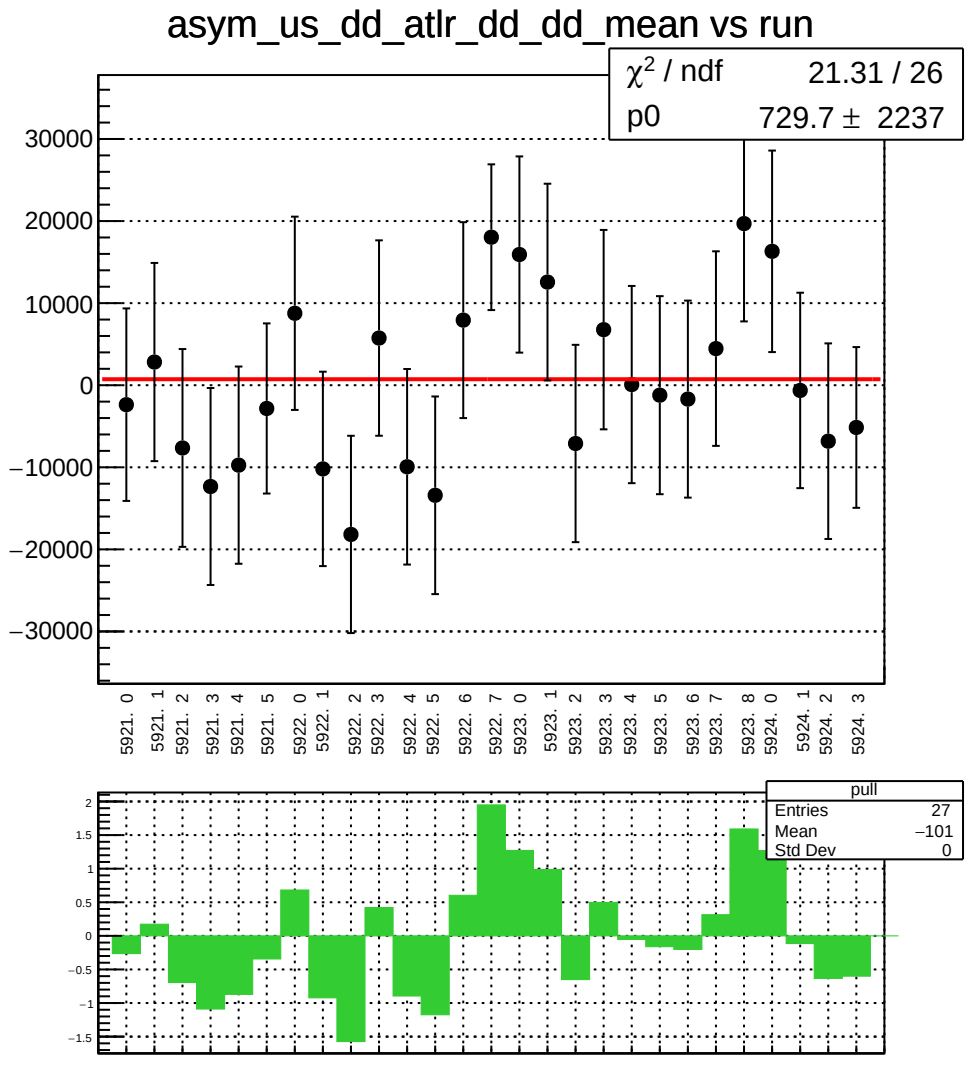

eigen_dit_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 20.59 / 26
p0 1068 ± 2159
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −151.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

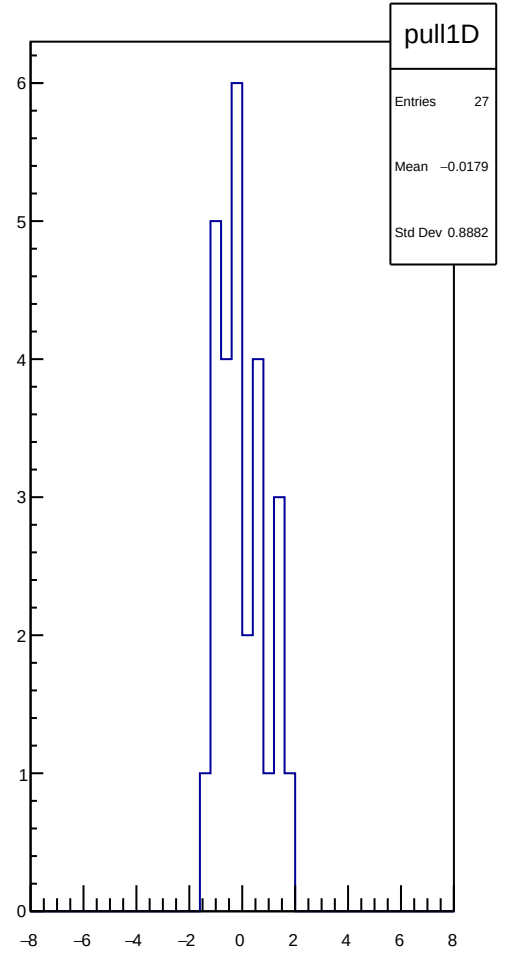

pull1D
Entries 27
Mean −0.01402
Std Dev 0.8732
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

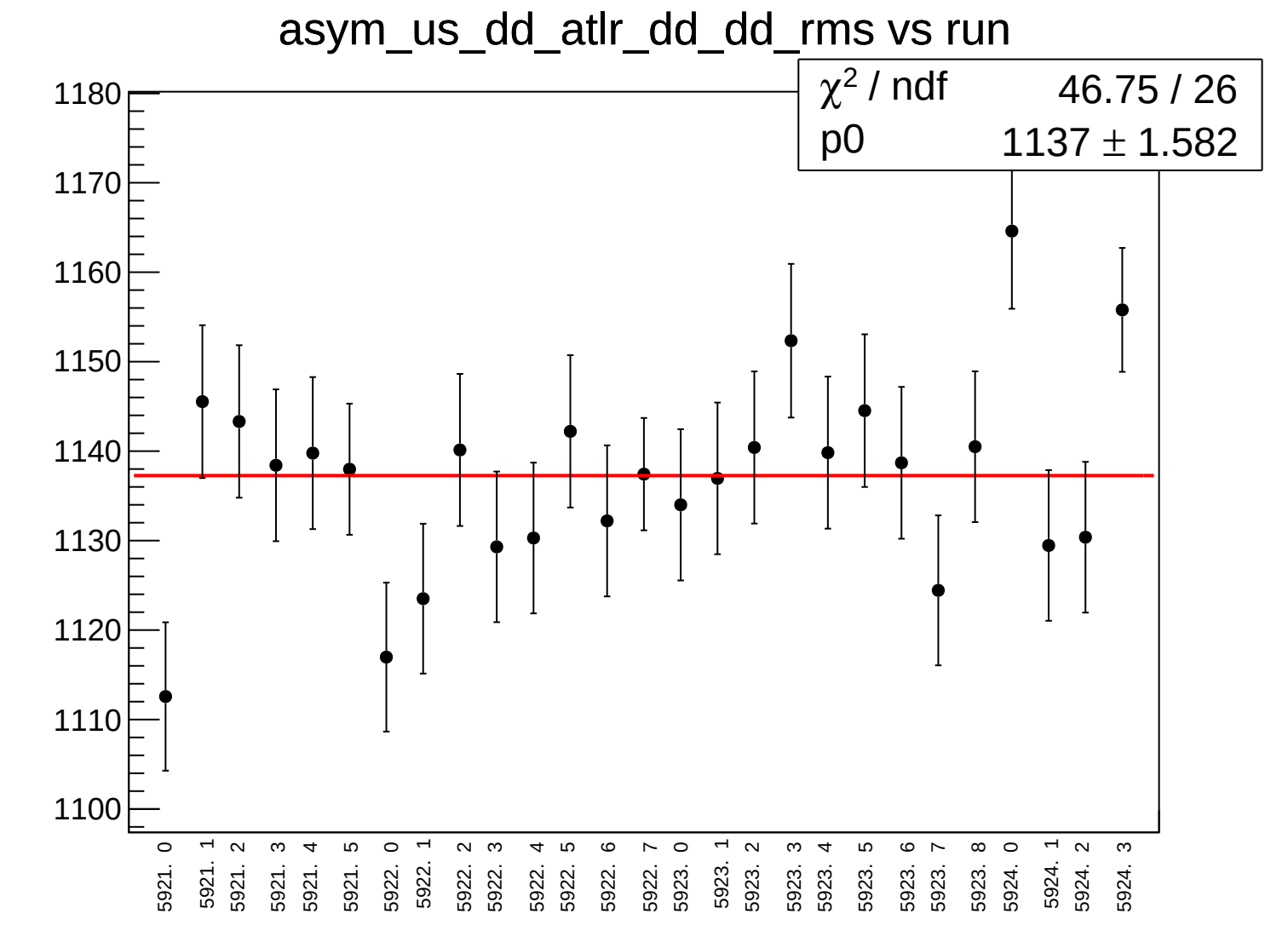

eigen_dit_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 55.81 / 26
p0 1098 ± 1.527
1140
1130
1120
1110
1100
1090
1080
1070
1060
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

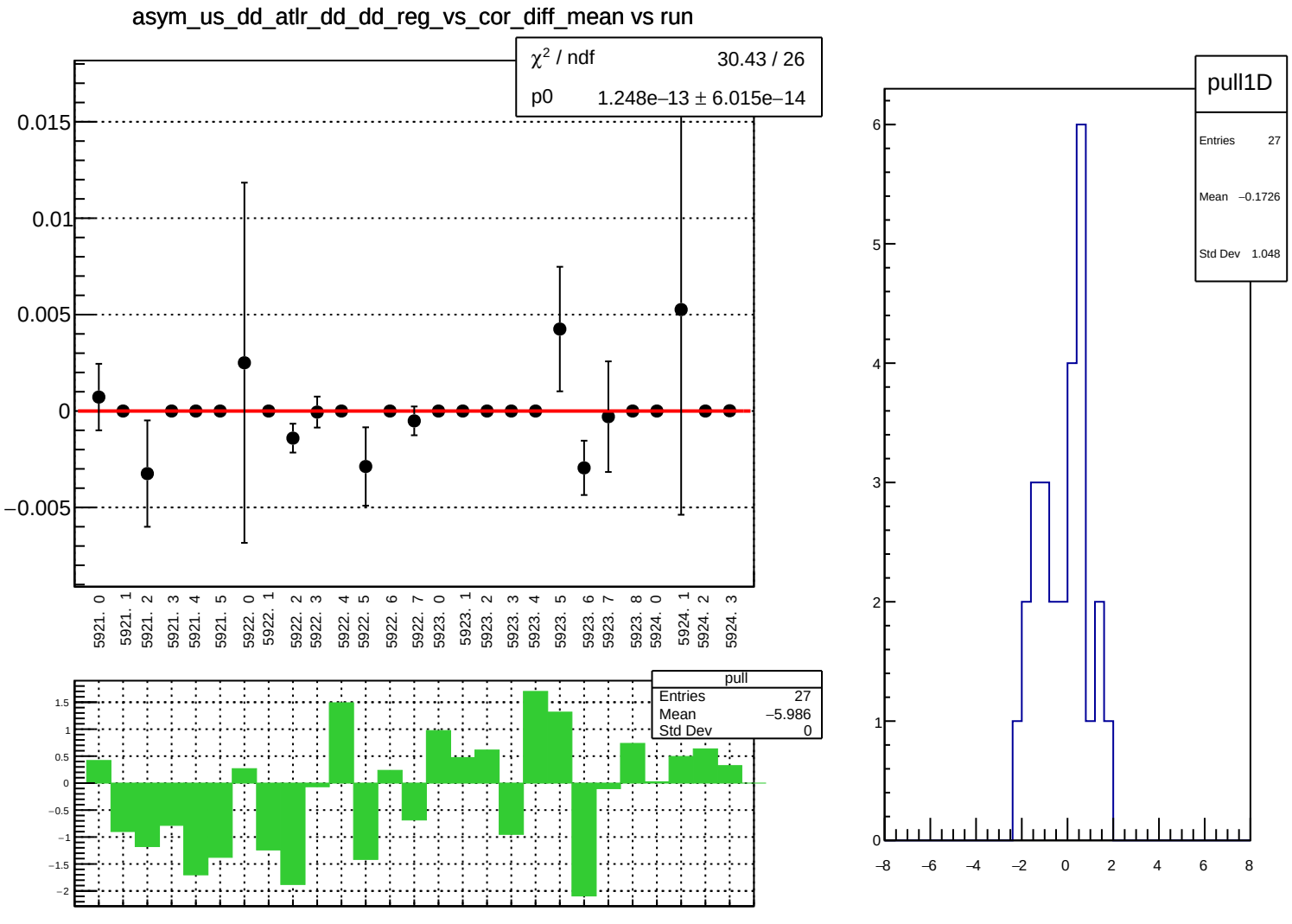

asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 13.48 / 26
p0 278.8 ± 580.9
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 40.42
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.02683
Std Dev 0.7061
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

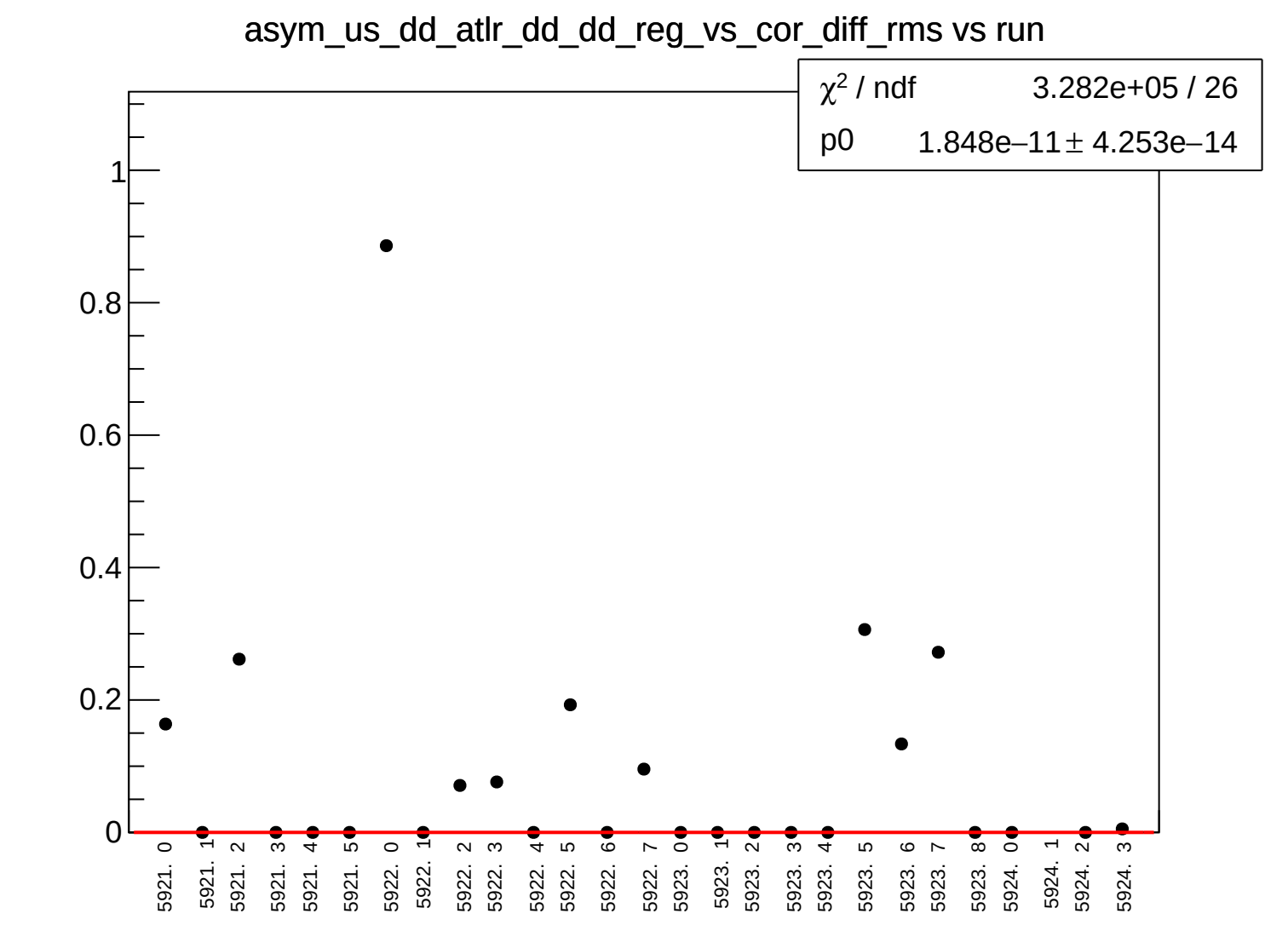

asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 518.7 / 26
p0 295.2 ± 0.4108
320
310
300
290
280
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

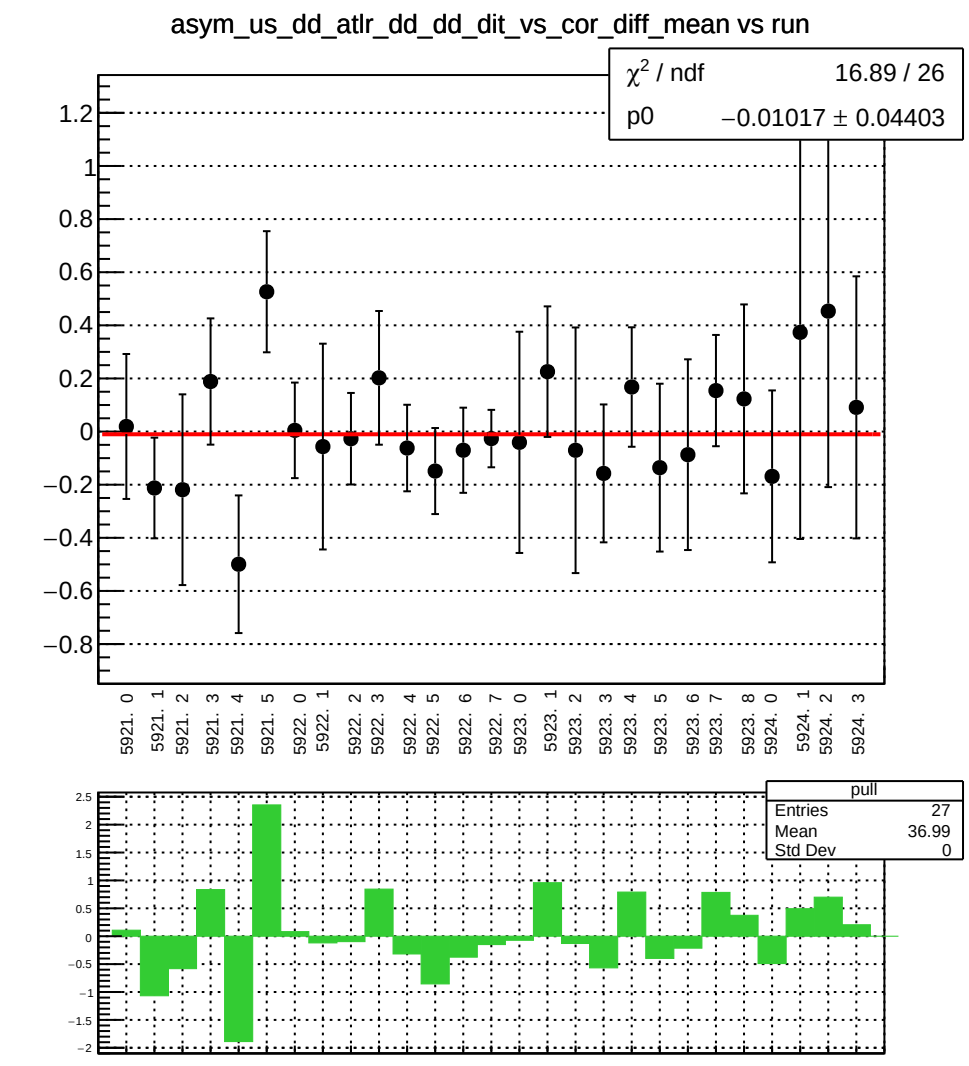

asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 21.31 / 26
p0 729.7 ± 2237
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −101
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

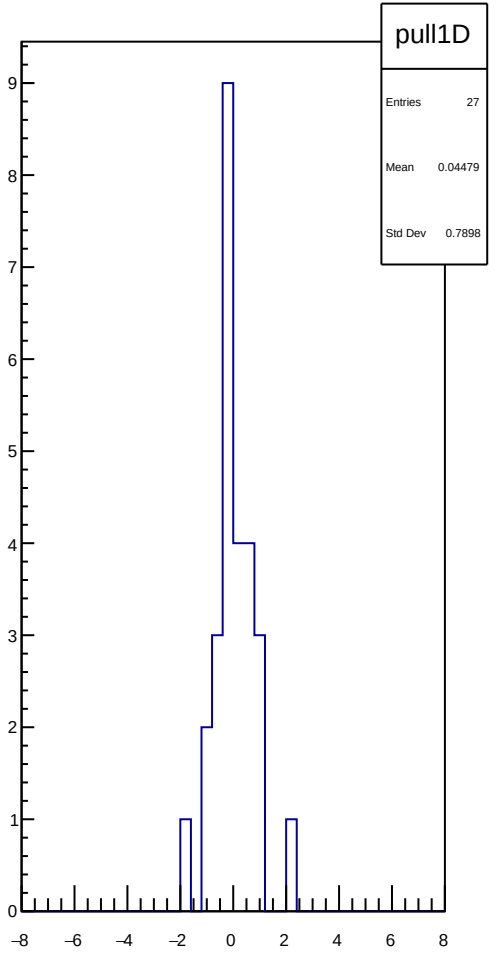

pull1D
Entries 27
Mean −0.0179
Std Dev 0.8882
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

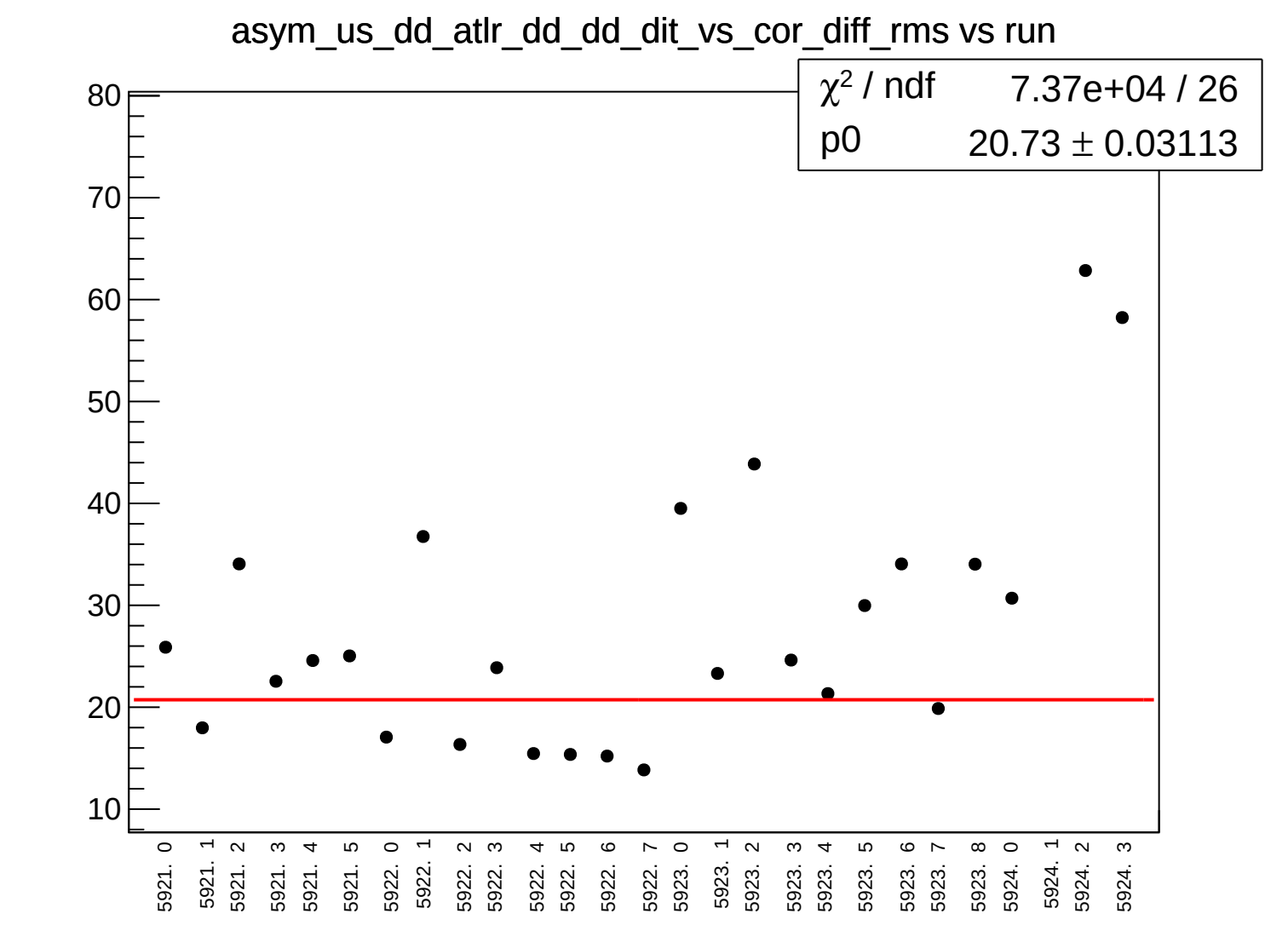

asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 46.75 / 26
p0 1137 ± 1.582
1180
1170
1160
1150
1140
1130
1120
1110
1100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

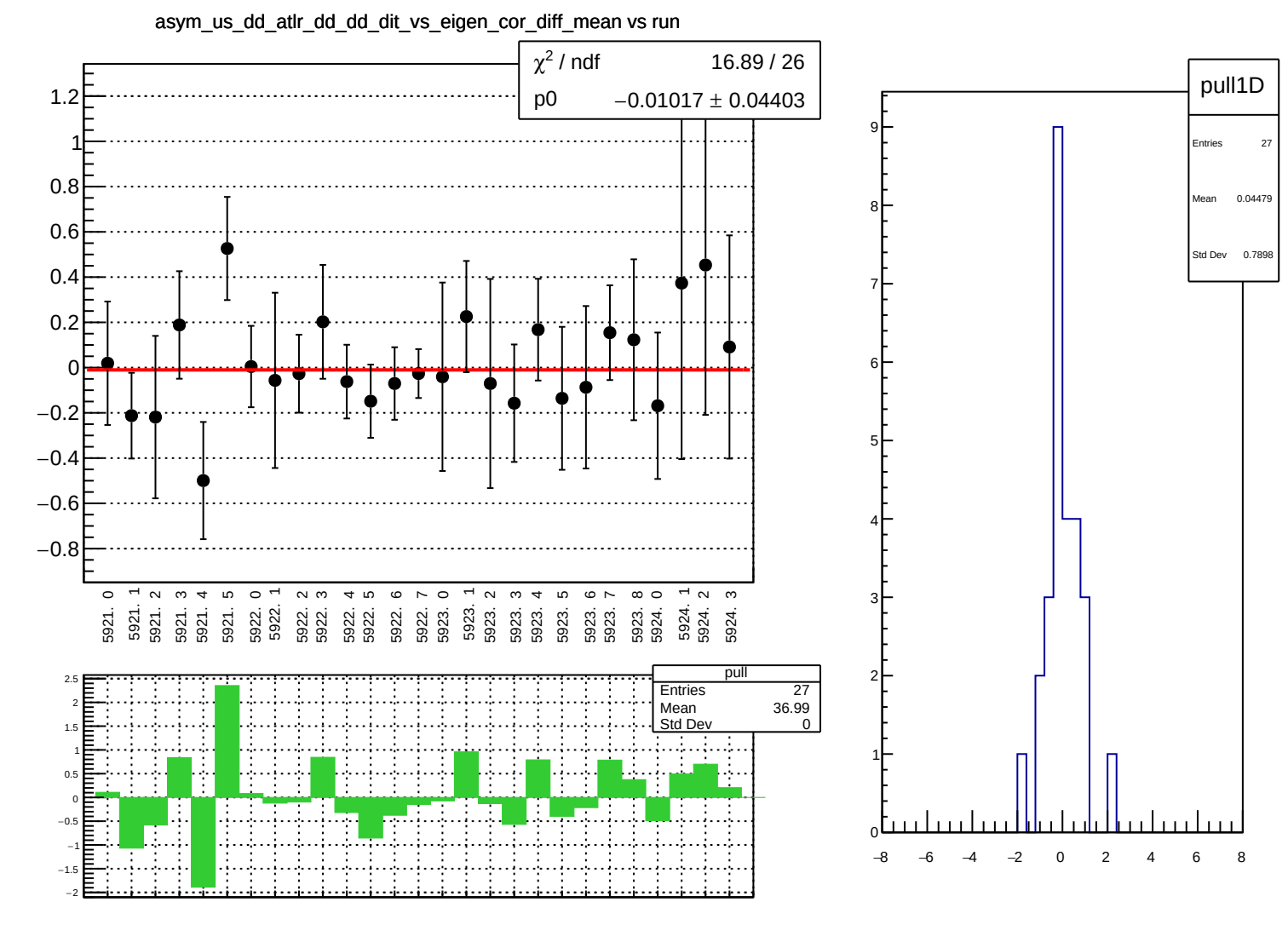

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 30.43 / 26
p0 1.248e−13 ± 6.015e−14
0.015
0.01
0.005
0
−0.005
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −5.986
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.1726
Std Dev 1.048
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

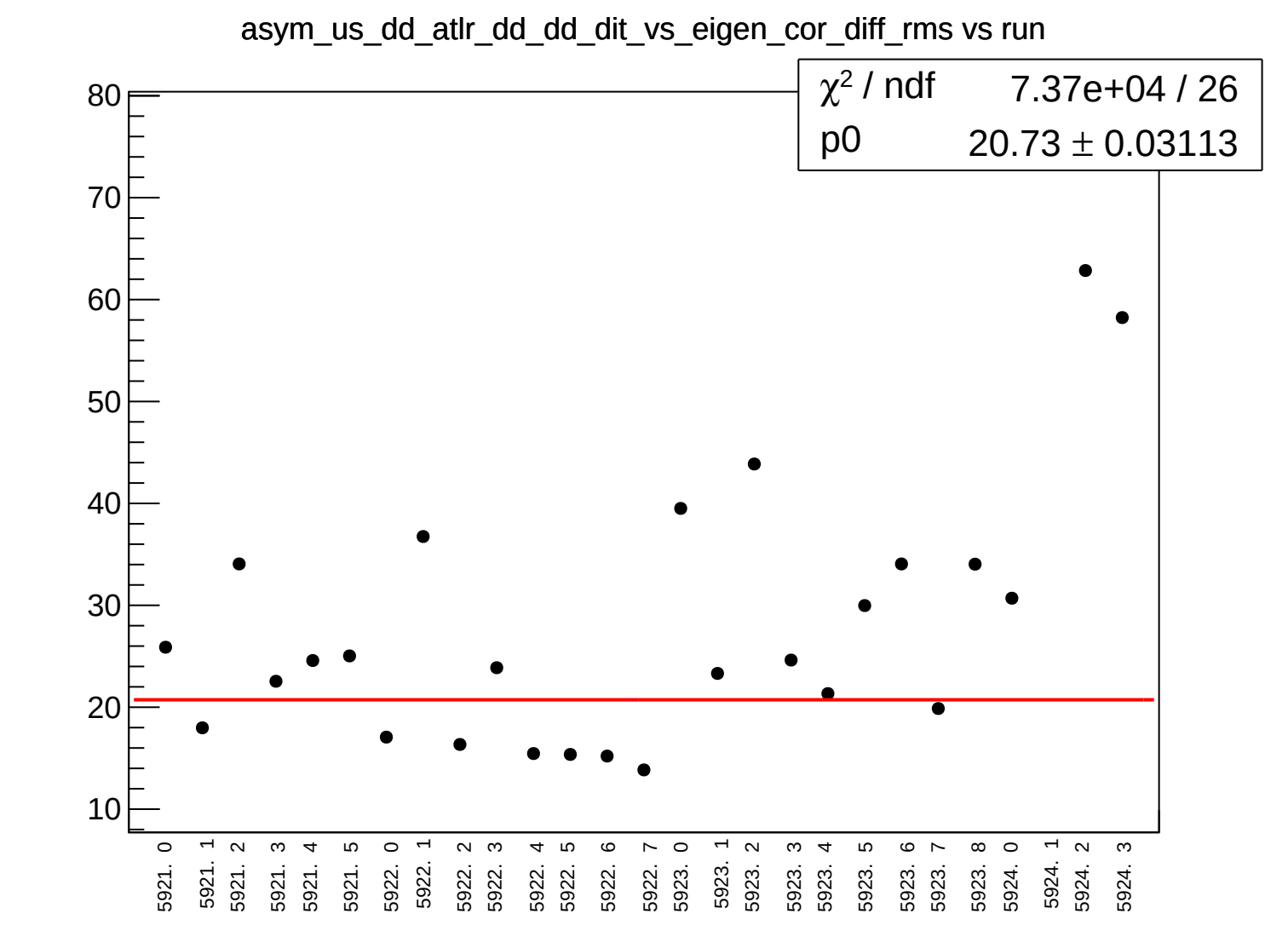

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.282e+05 / 26
p0 1.848e−11 ± 4.253e−14
1
0.8
0.6
0.4
0.2
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

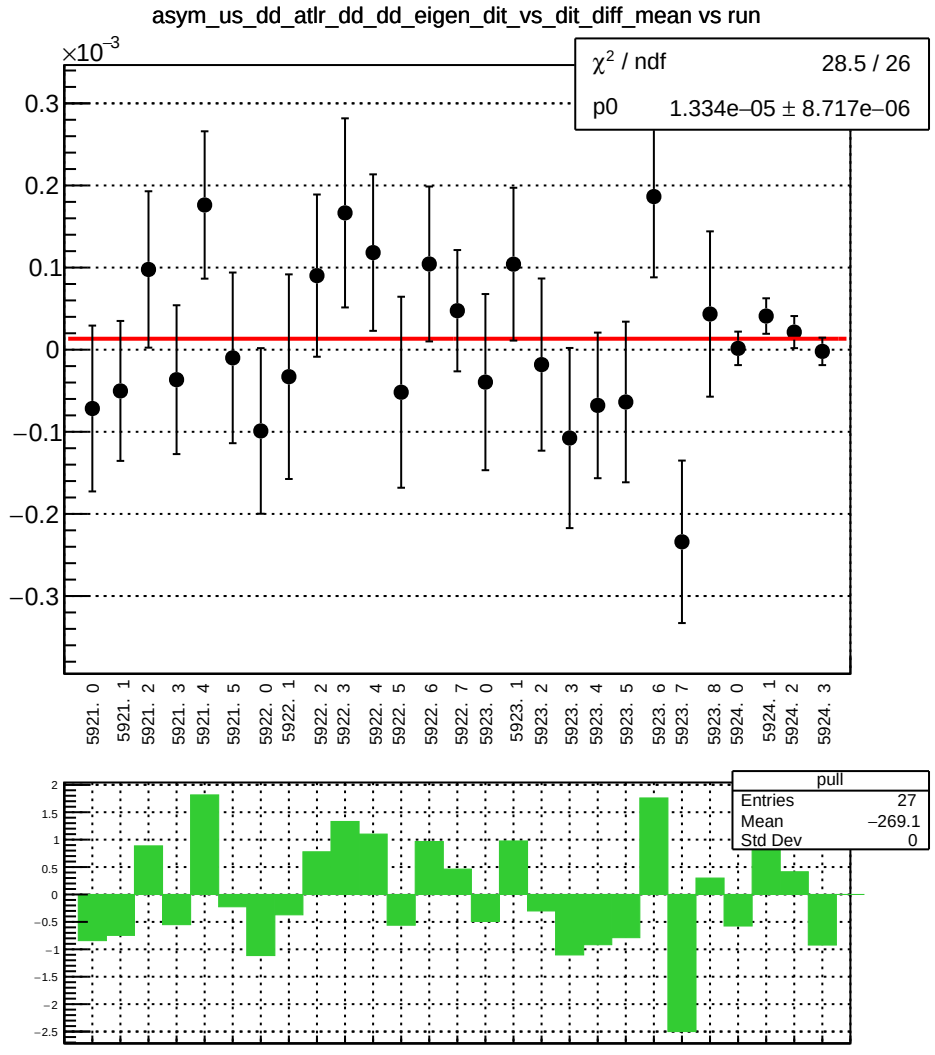

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 16.89 / 26
p0 −0.01017 ± 0.04403
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 36.99
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

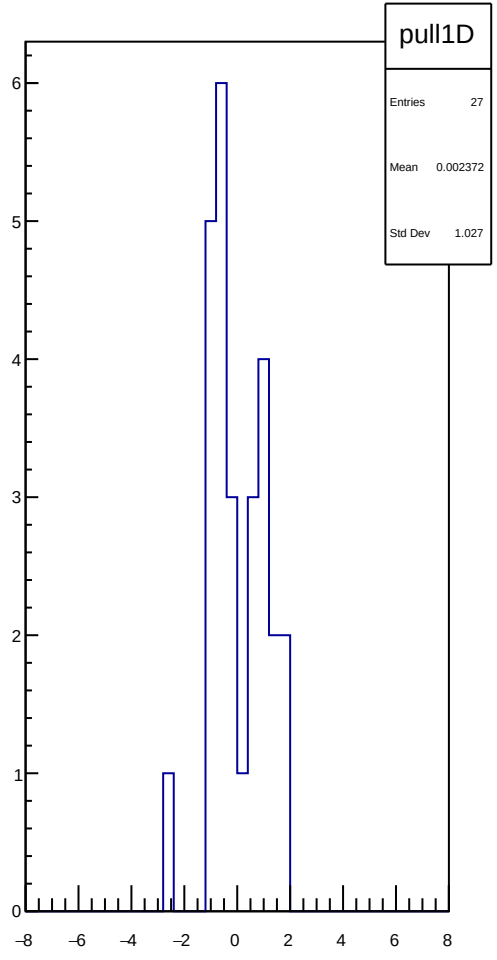

pull1D
Entries 27
Mean 0.04479
Std Dev 0.7898
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

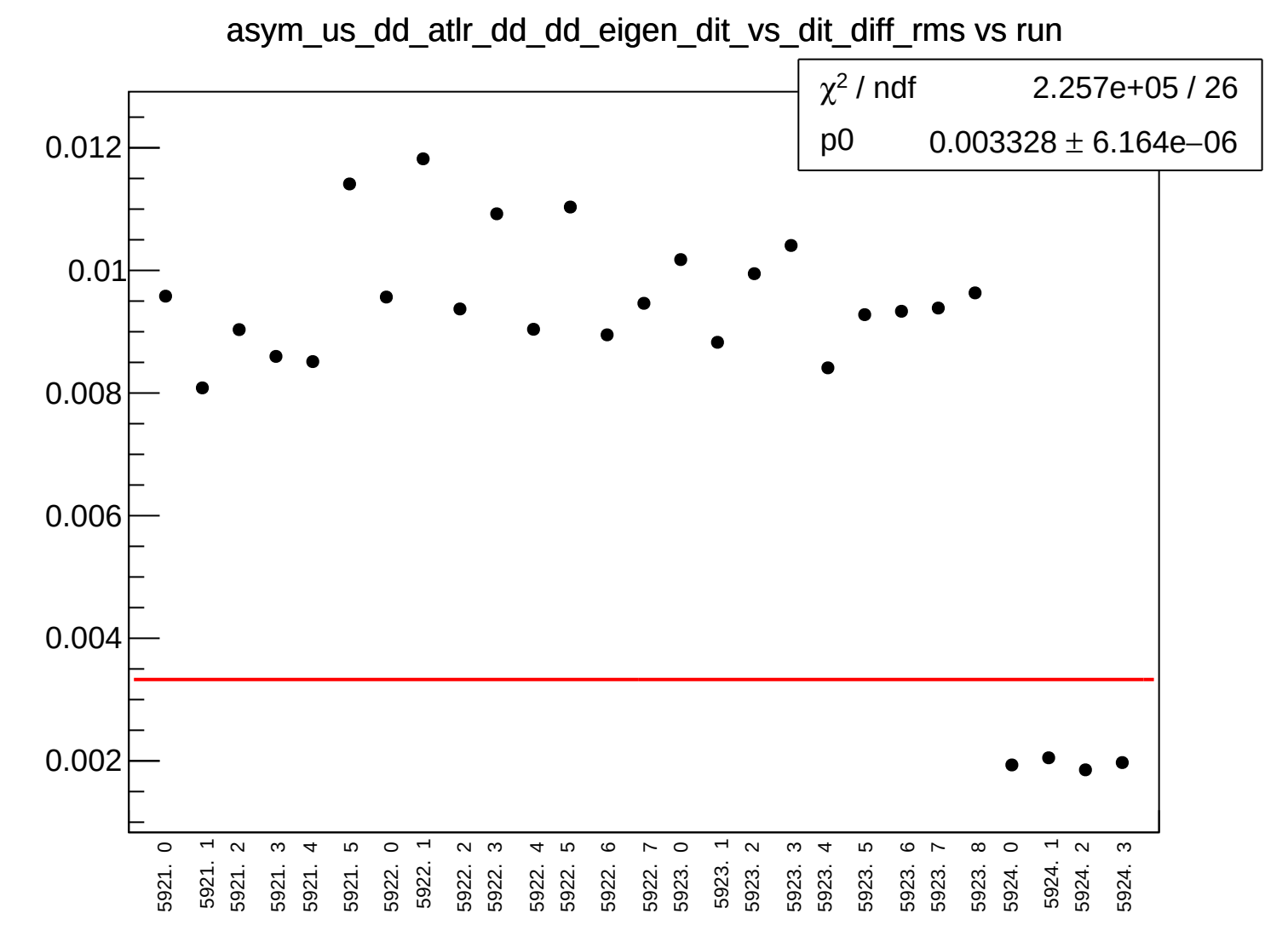

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 7.37e+04 / 26
p0 20.73 ± 0.03113
80
70
60
50
40
30
20
10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

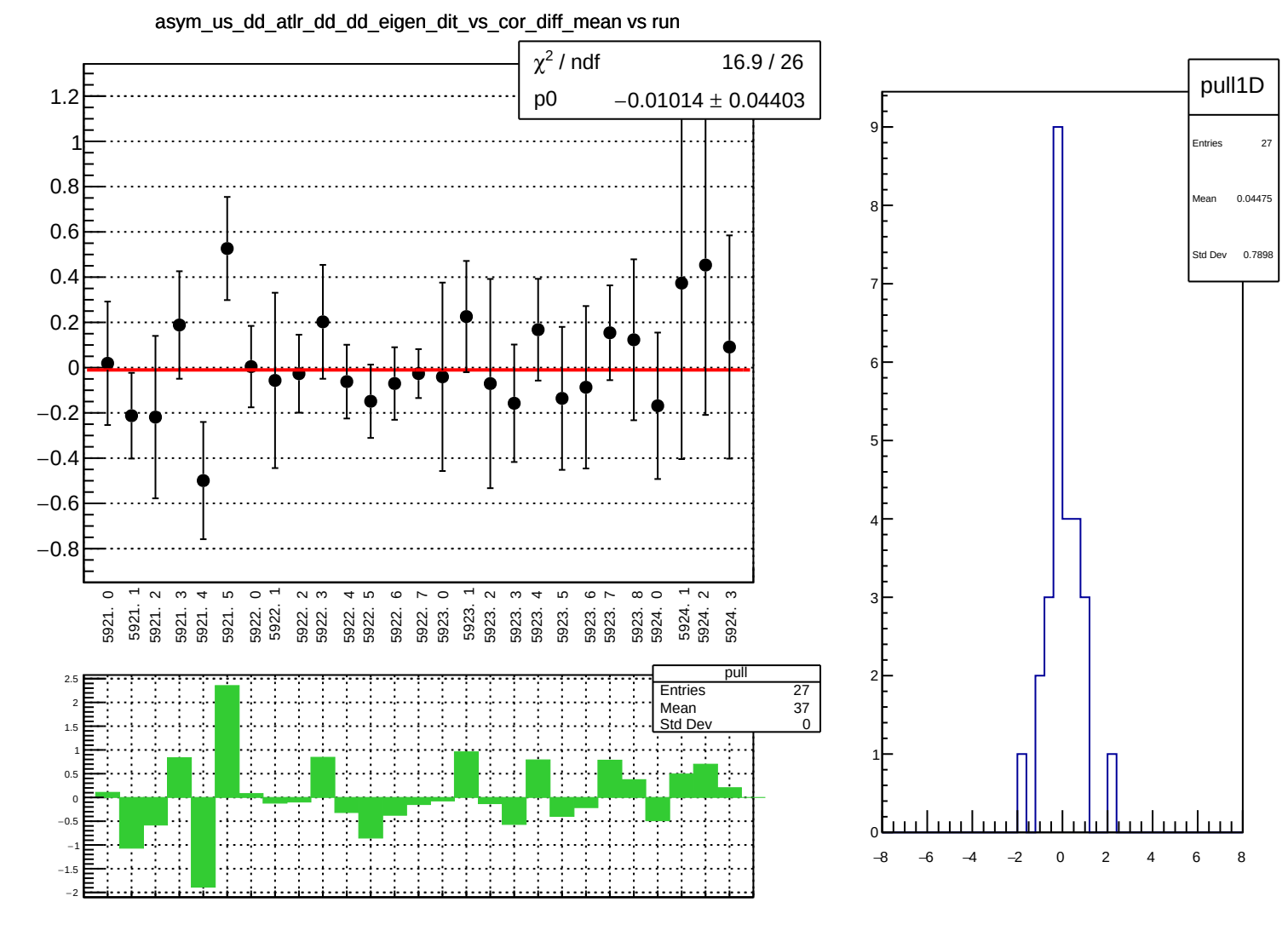

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 16.89 / 26
p0 −0.01017 ± 0.04403
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 36.99
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean 0.04479
Std Dev 0.7898
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

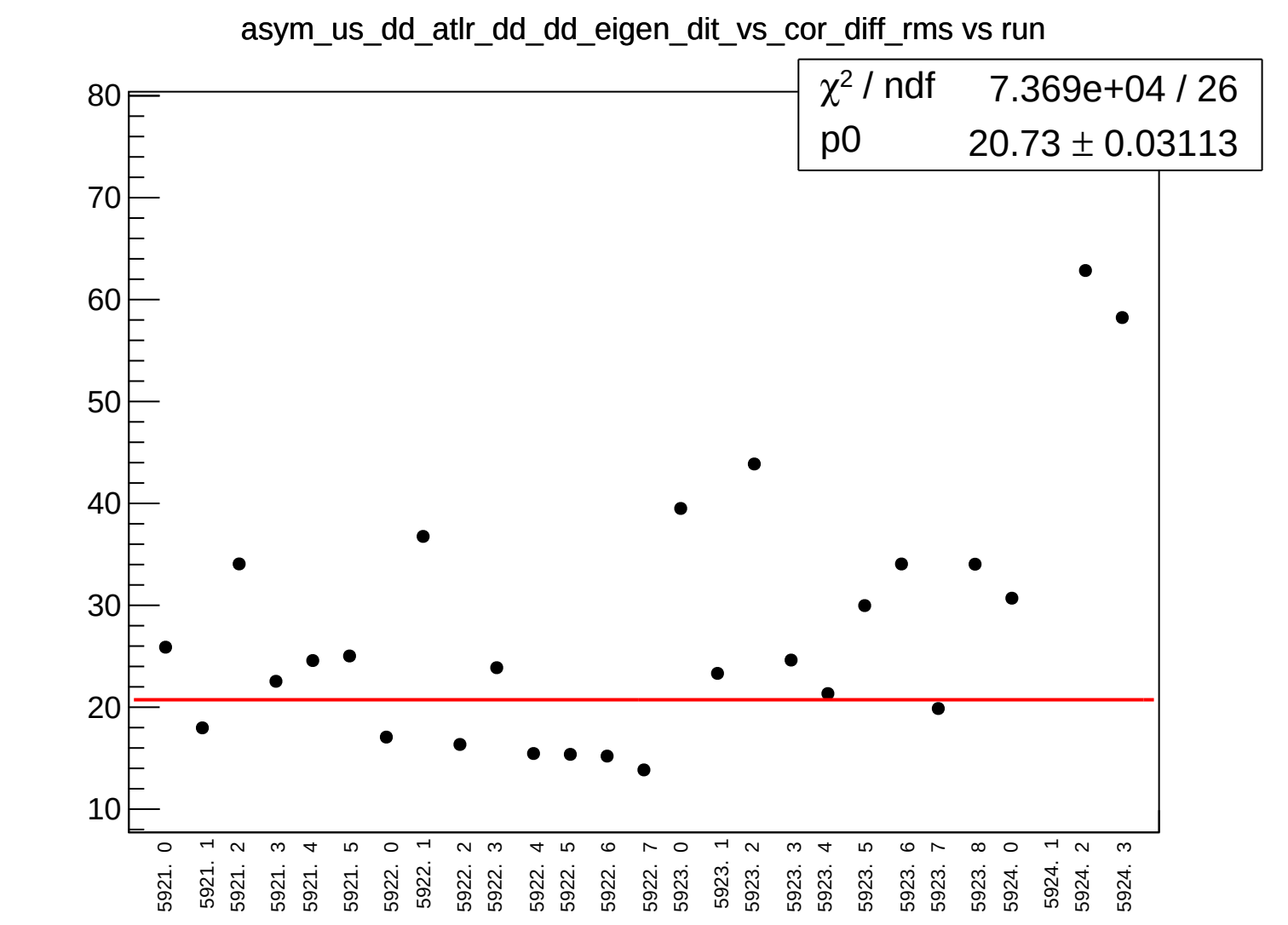

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.37e+04 / 26
p0 20.73 ± 0.03113
80
70
60
50
40
30
20
10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

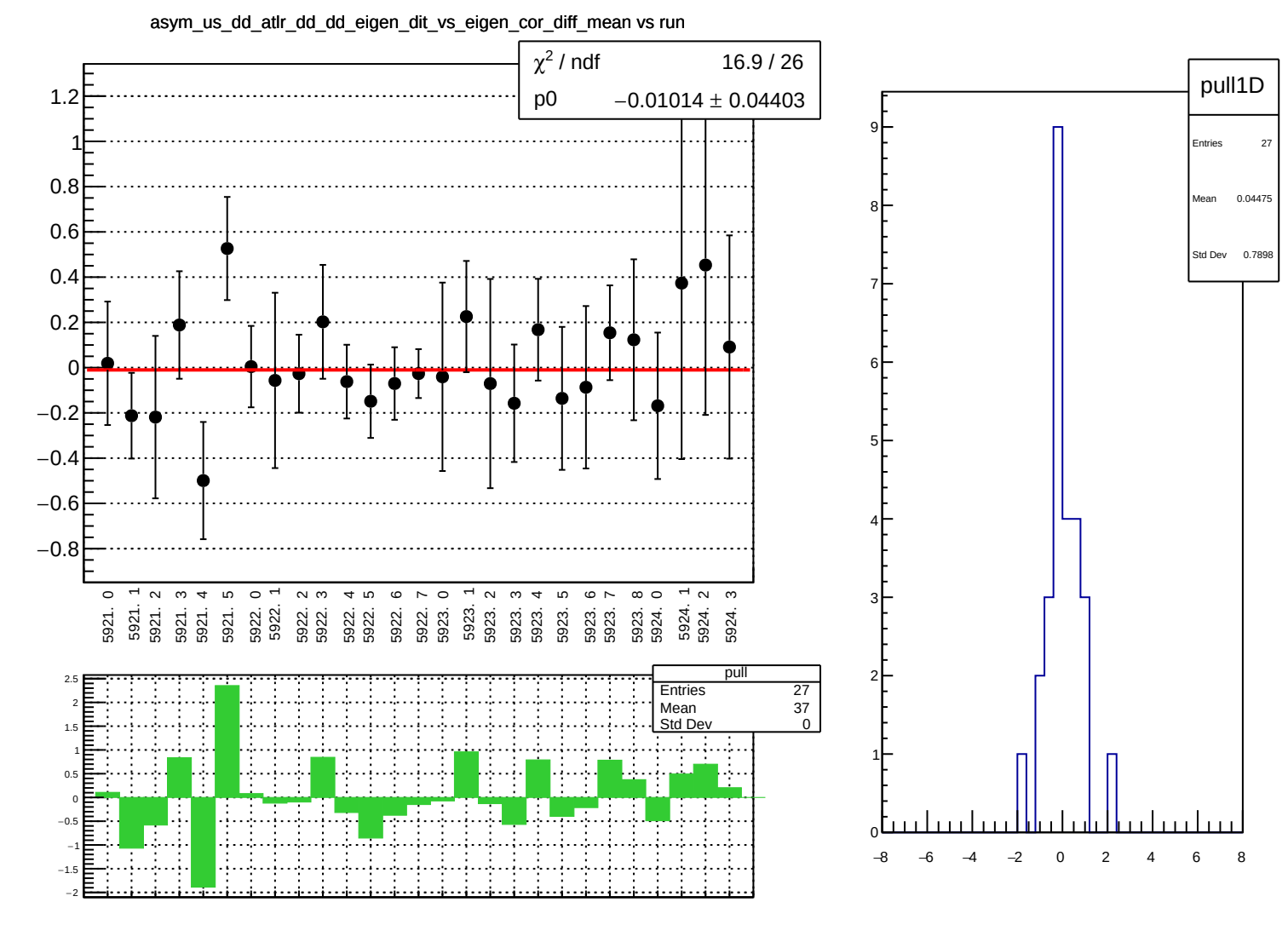

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 28.5 / 26
p0 1.334e−05 ± 8.717e−06
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −269.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

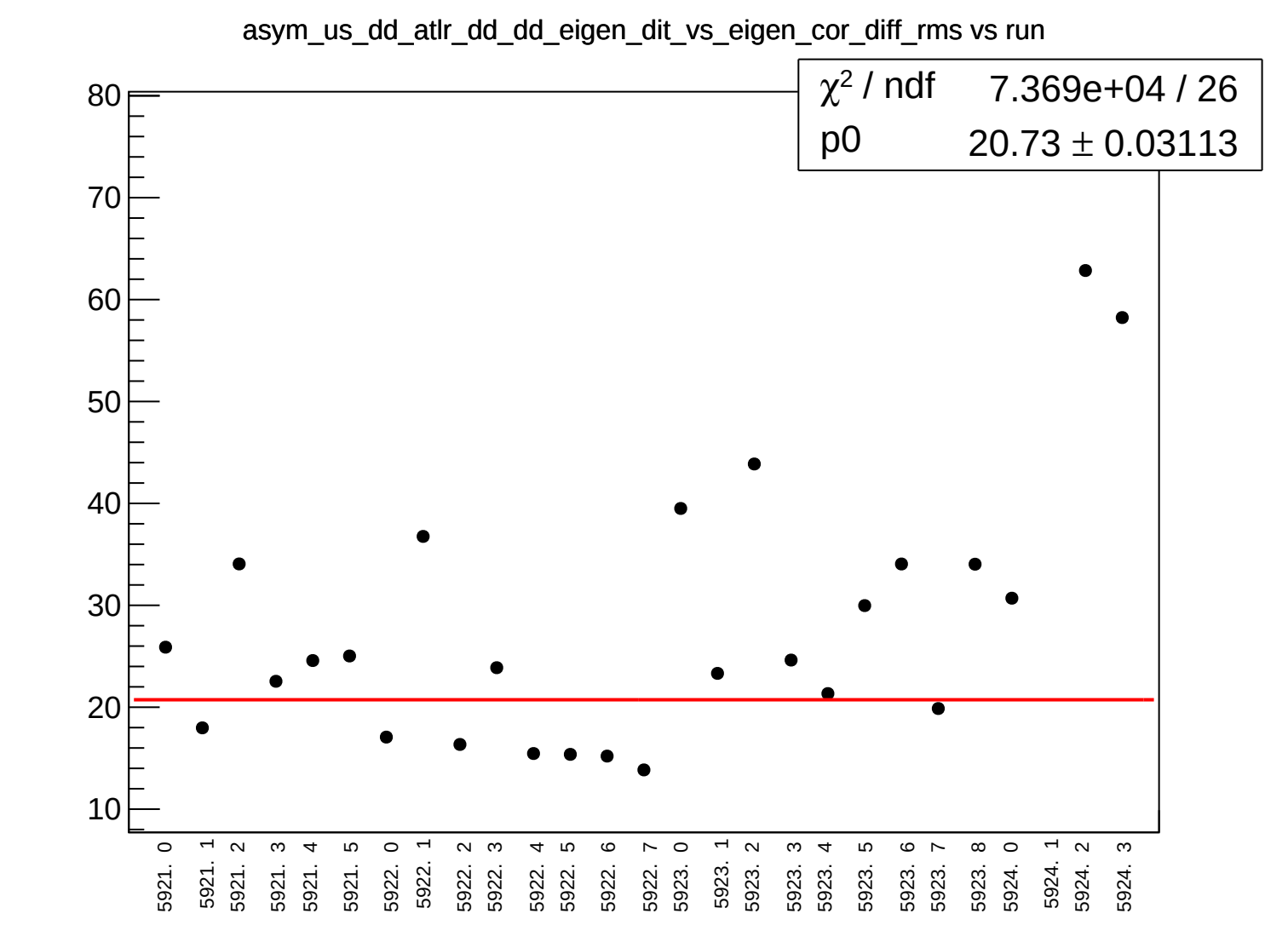

pull1D
Entries 27
Mean 0.002372
Std Dev 1.027
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

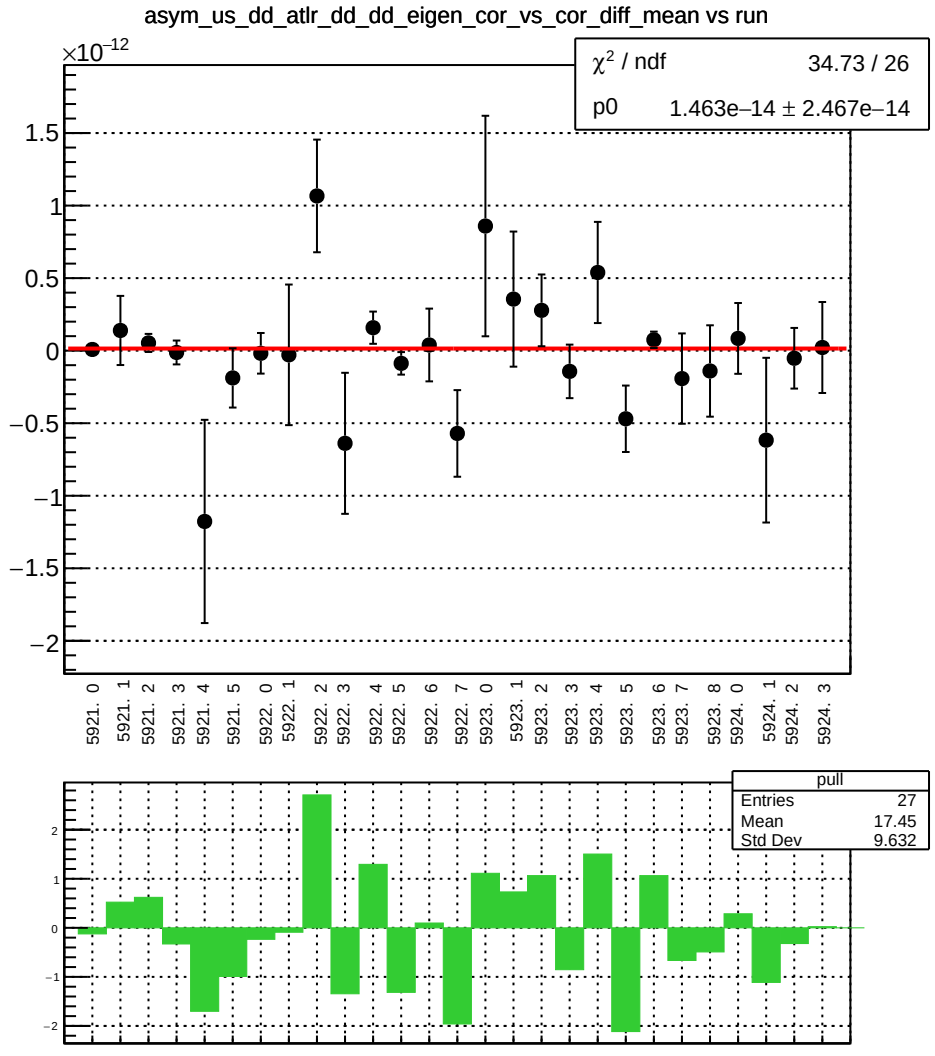

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.257e+05 / 26
p0 0.003328 ± 6.164e−06
0.012
0.01
0.008
0.006
0.004
0.002
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

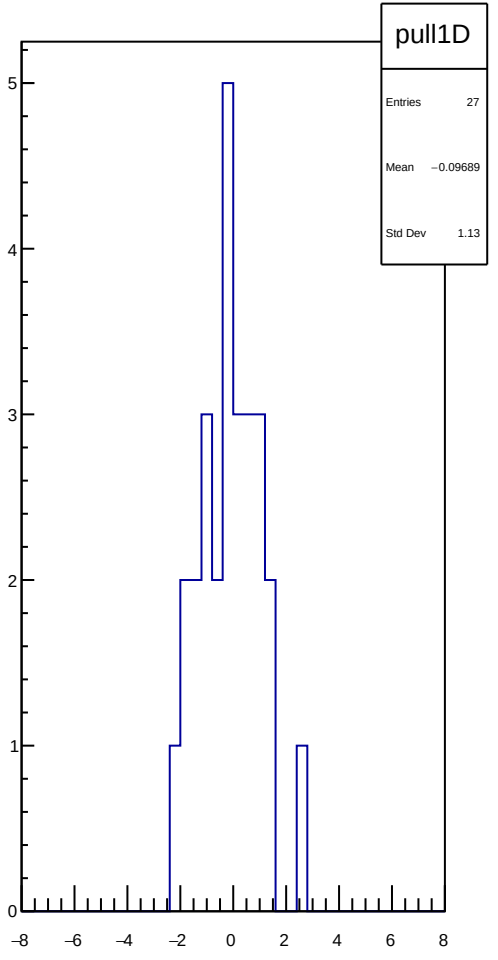

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 16.9 / 26
p0 −0.01014 ± 0.04403
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 37
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean 0.04475
Std Dev 0.7898
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

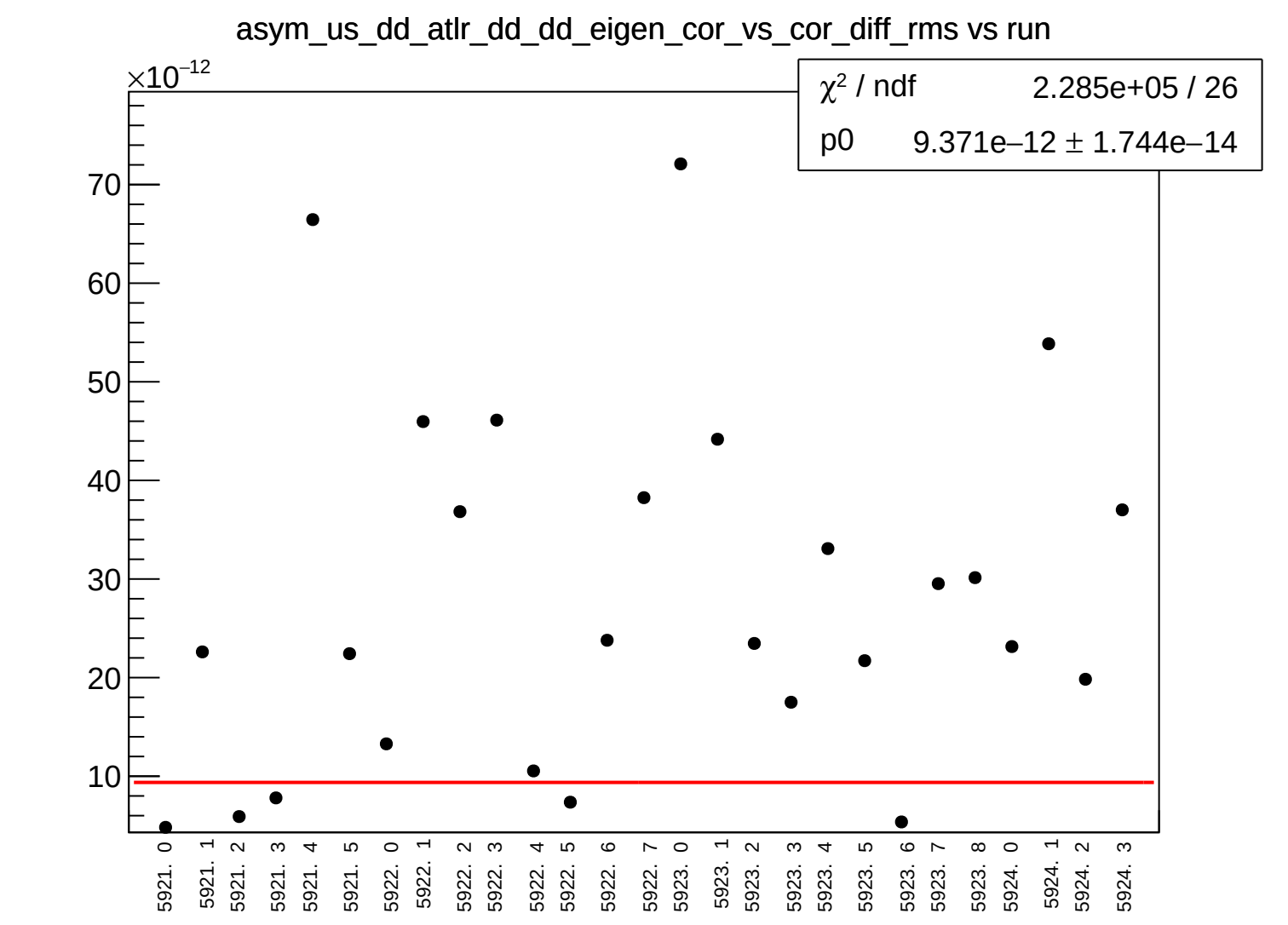

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.369e+04 / 26
p0 20.73 ± 0.03113
80
70
60
50
40
30
20
10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

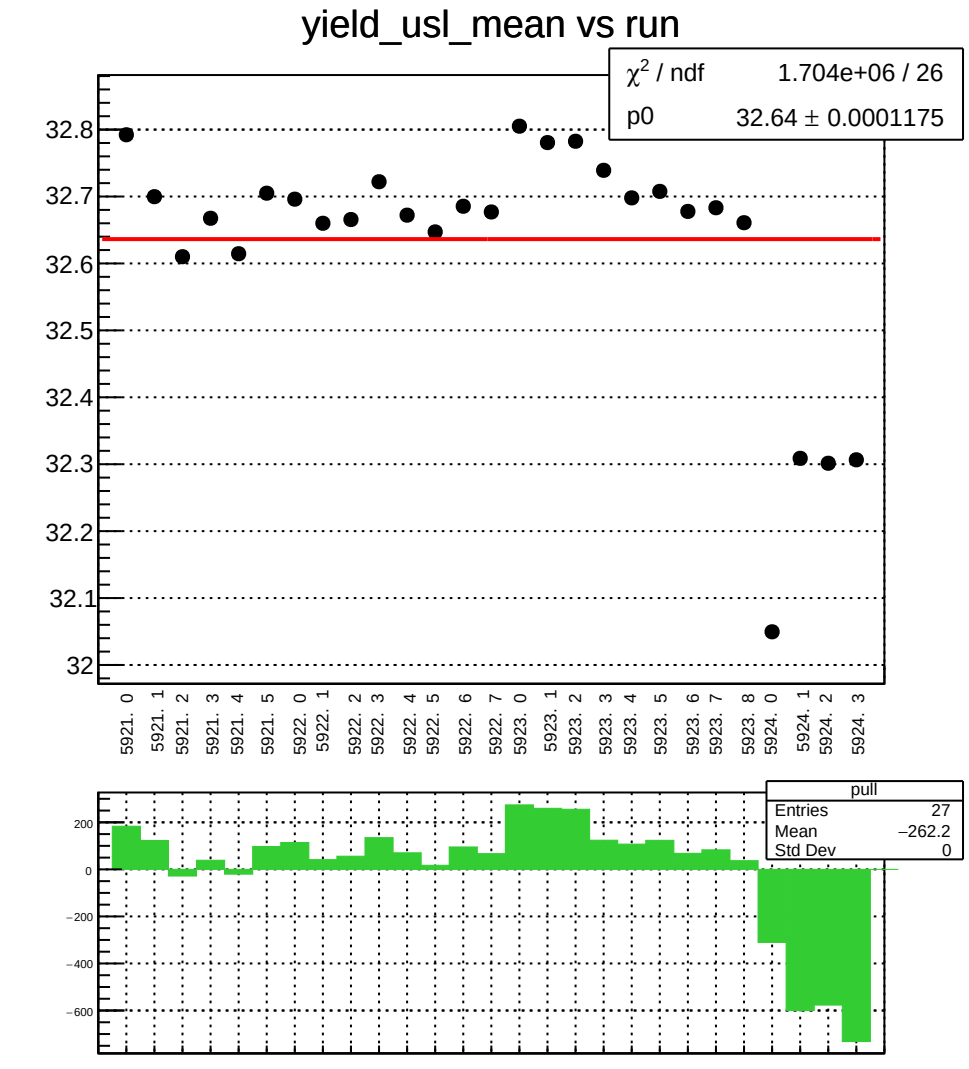

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 16.9 / 26
p0 −0.01014 ± 0.04403
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 37
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean 0.04475
Std Dev 0.7898
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

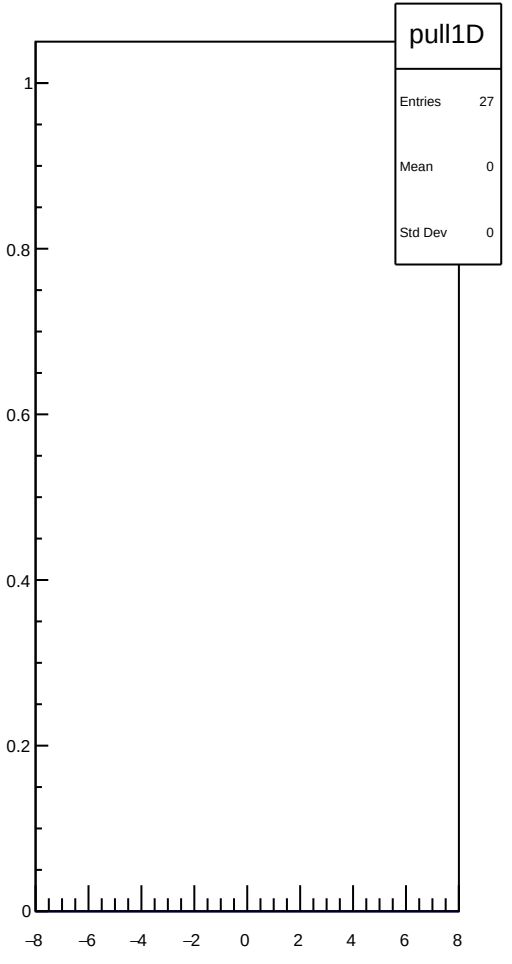

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.369e+04 / 26
p0 20.73 ± 0.03113
80
70
60
50
40
30
20
10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

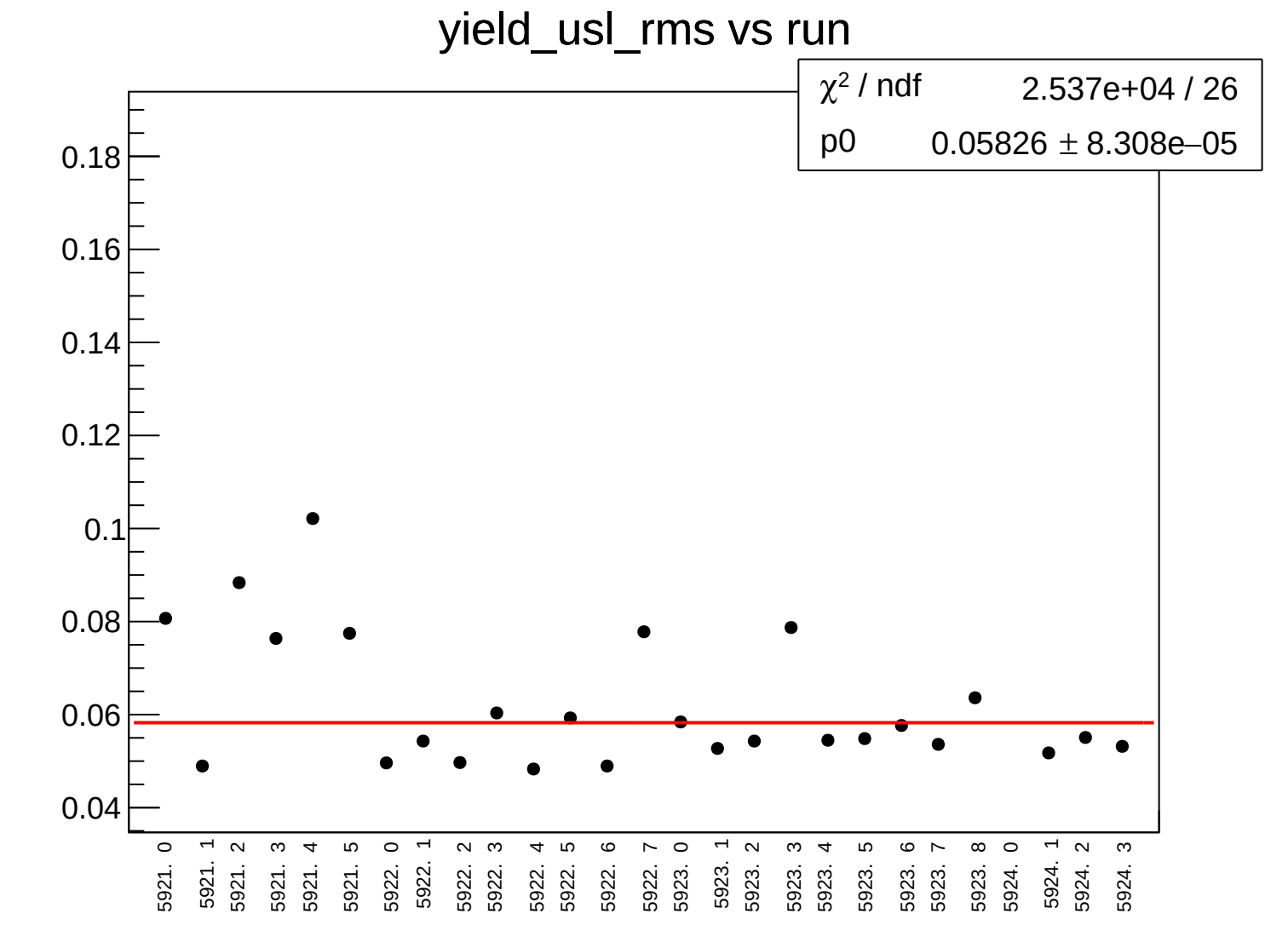

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 34.73 / 26
p0 1.463e−14 ± 2.467e−14
1.5
1
0.5
0
−0.5
−1
−1.5
−2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 17.45
Std Dev 9.632
2
1
0
−1
−2

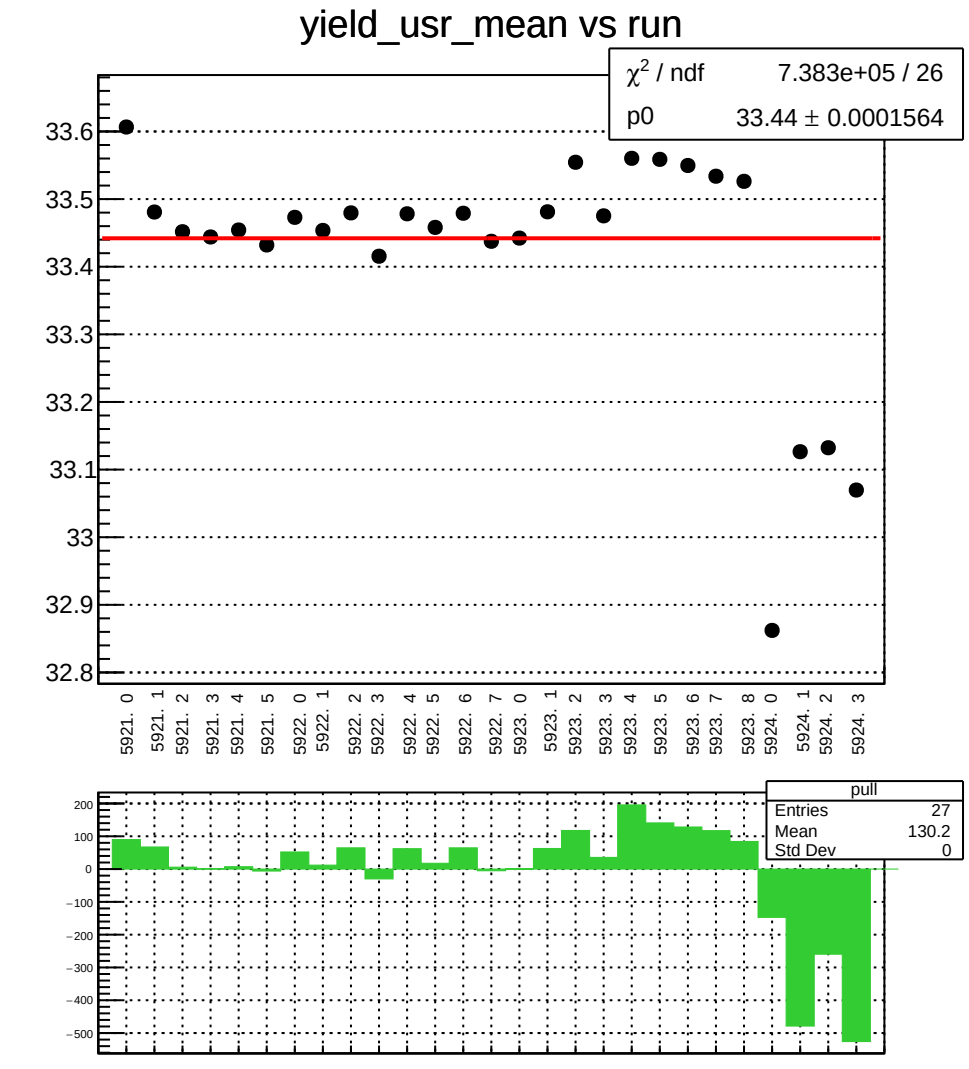

pull1D
Entries 27
Mean −0.09689
Std Dev 1.13
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

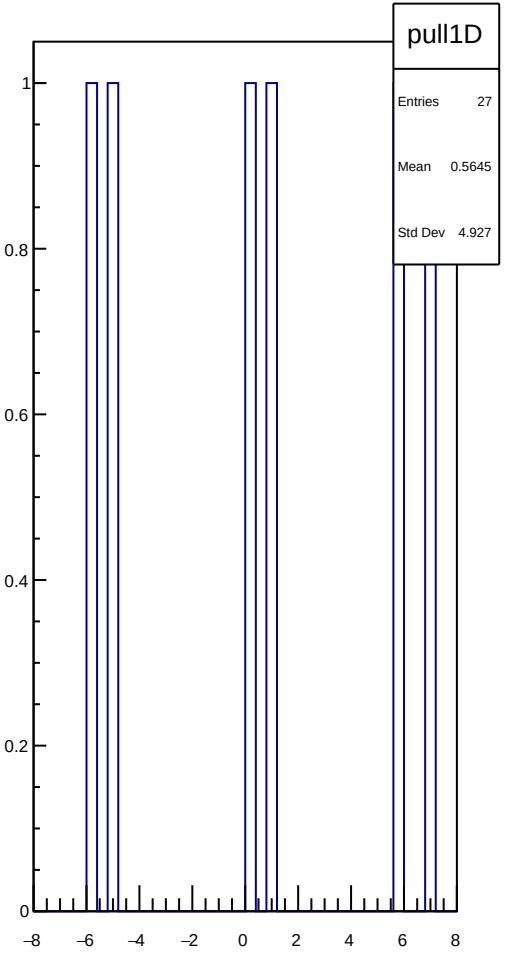

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10^−12
χ² / ndf 2.285e+05 / 26
p0 9.371e−12 ± 1.744e−14
70
60
50
40
30
20
10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

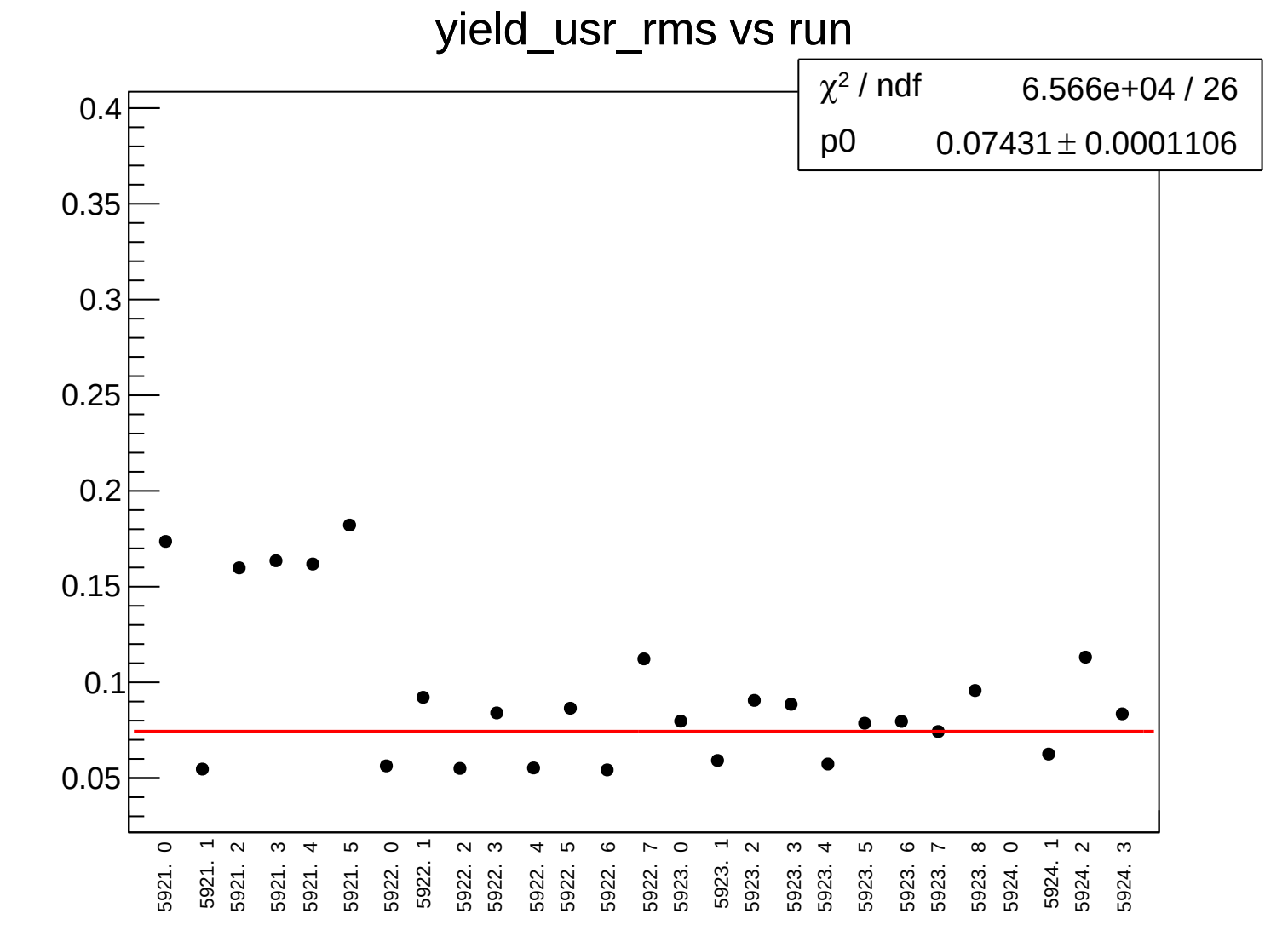

yield_usl_mean vs run
χ² / ndf 1.704e+06 / 26
p0 32.64 ± 0.0001175
32.8
32.7
32.6
32.5
32.4
32.3
32.2
32.1
32
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −262.2
Std Dev 0
200
0
−200
−400
−600

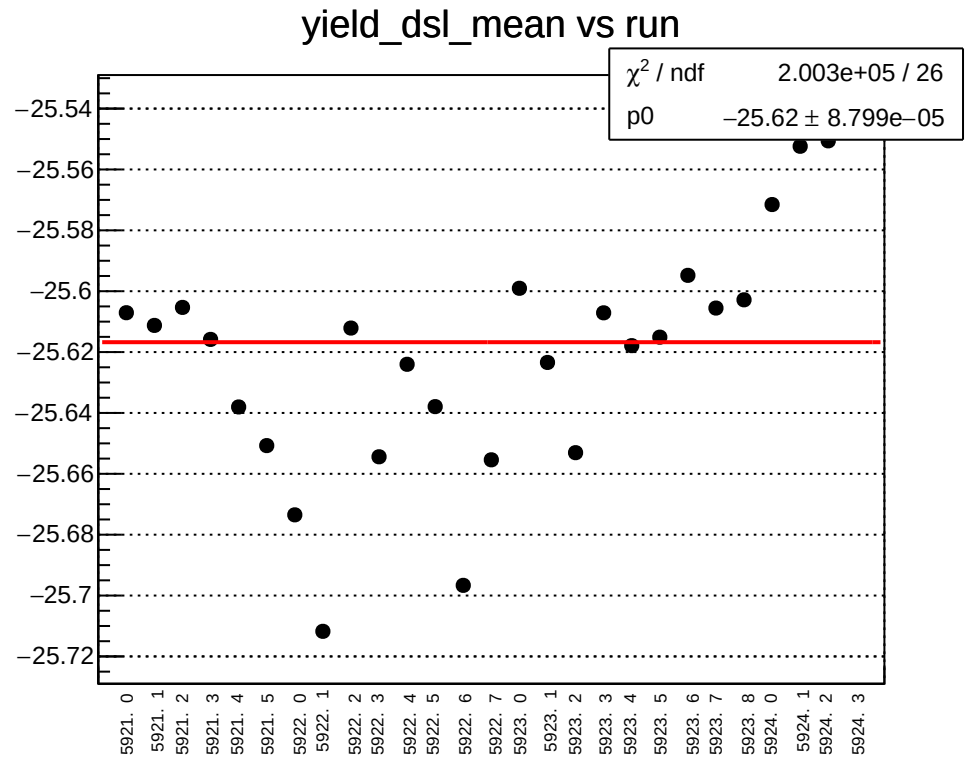

pull1D
Entries 27
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

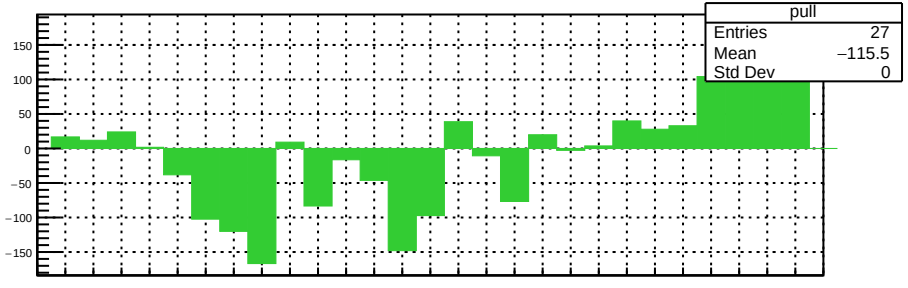

yield_usl_rms vs run
χ² / ndf 2.537e+04 / 26
p0 0.05826 ± 8.308e–05
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

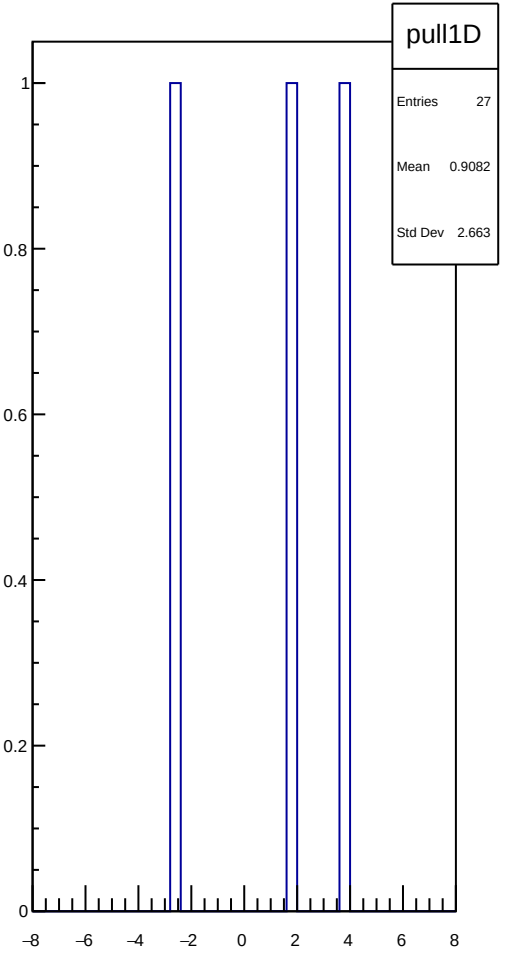

yield_usr_mean vs run
χ² / ndf 7.383e+05 / 26
p0 33.44 ± 0.0001564
33.6
33.5
33.4
33.3
33.2
33.1
33
32.9
32.8
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 130.2
Std Dev 0
200
100
0
−100
−200
−300
−400
−500

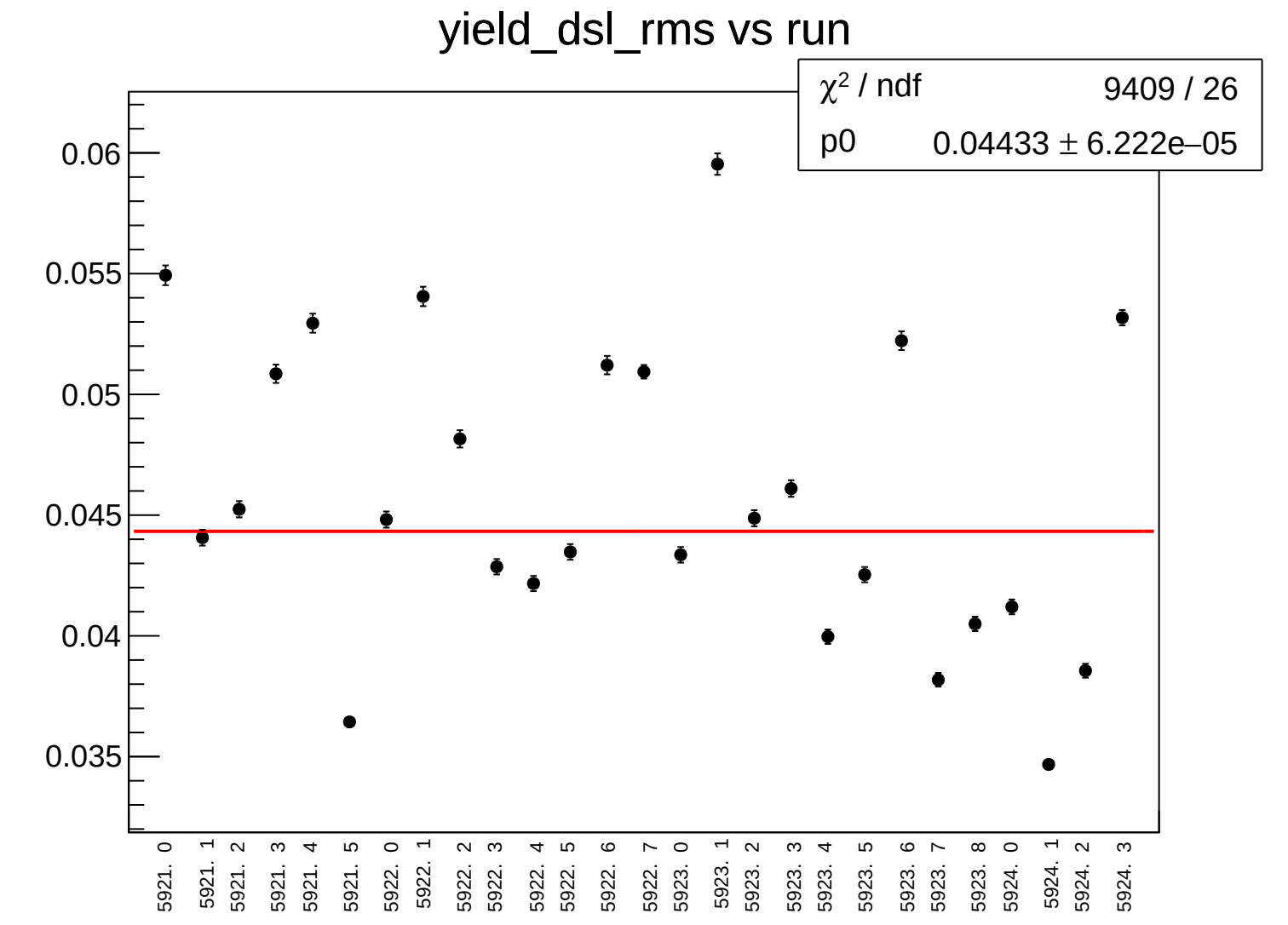

pull1D
Entries 27
Mean 0.5645
Std Dev 4.927
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

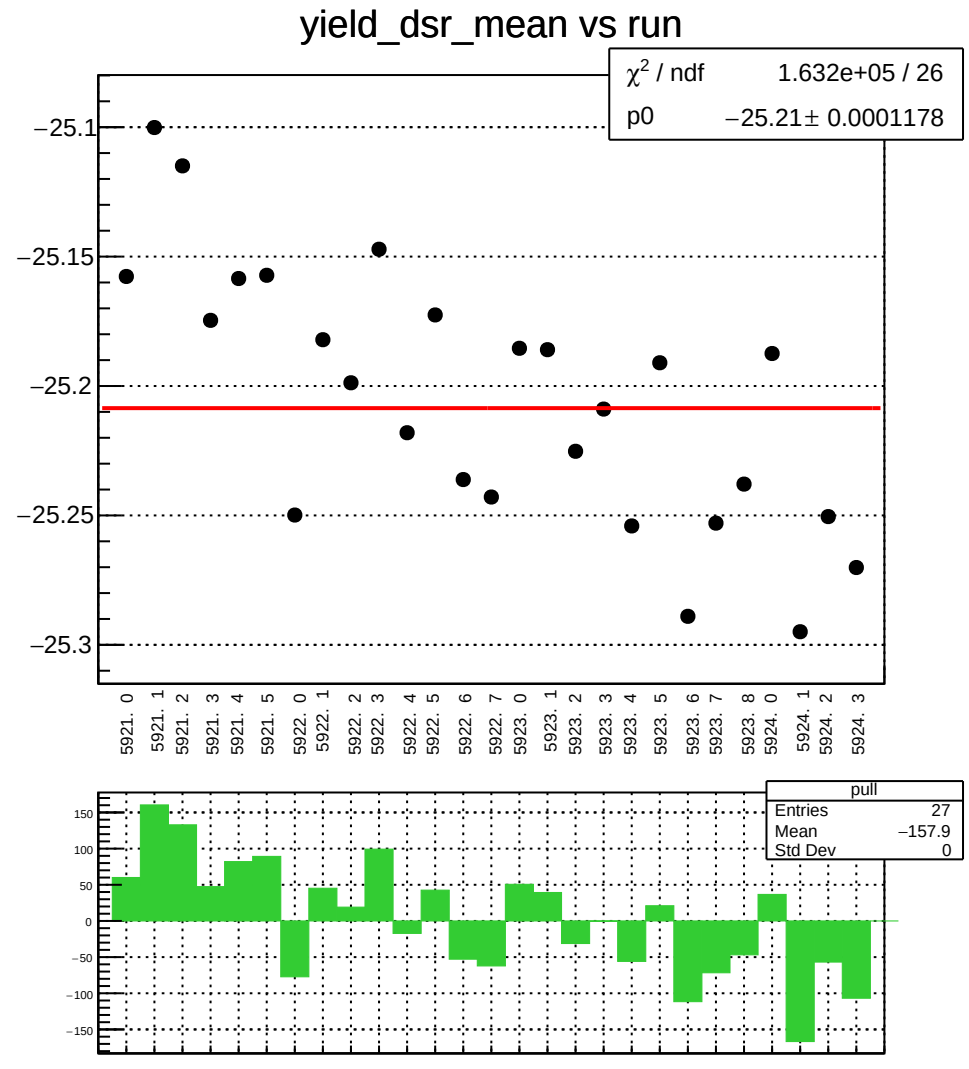

yield_usr_rms vs run
χ² / ndf 6.566e+04 / 26
p0 0.07431 ± 0.0001106
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

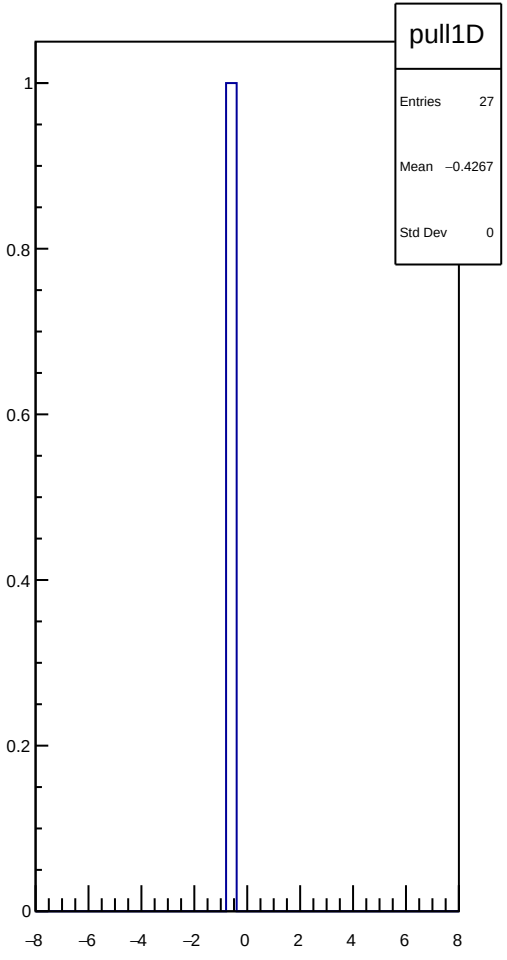

yield_dsl_mean vs run
χ² / ndf 2.003e+05 / 26
p0 −25.62 ± 8.799e−05
−25.54
−25.56
−25.58
−25.6
−25.62
−25.64
−25.66
−25.68
−25.7
−25.72
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

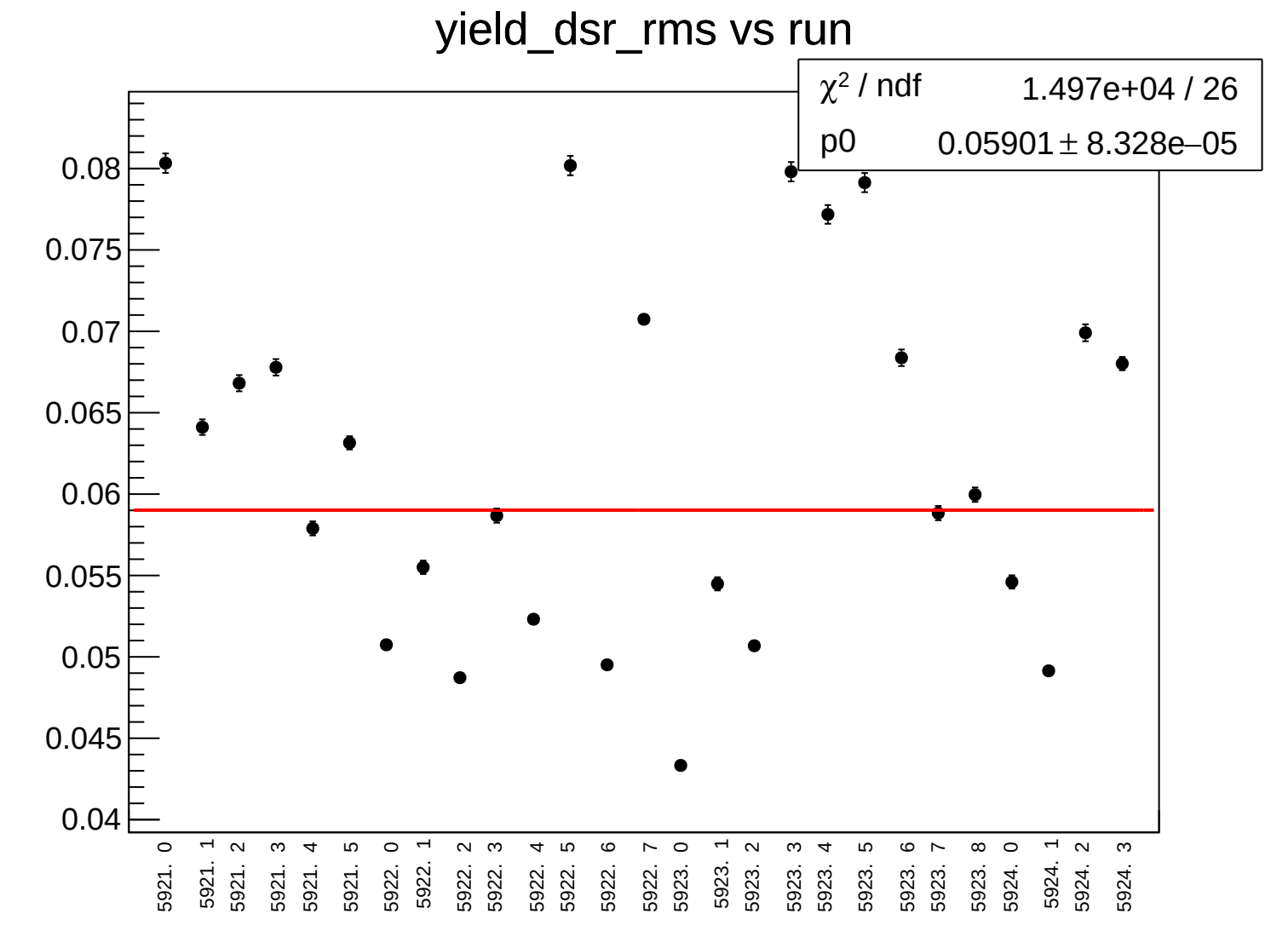

pull
Entries 27
Mean −115.5
Std Dev 0
150
100
50
0
−50
−100
−150

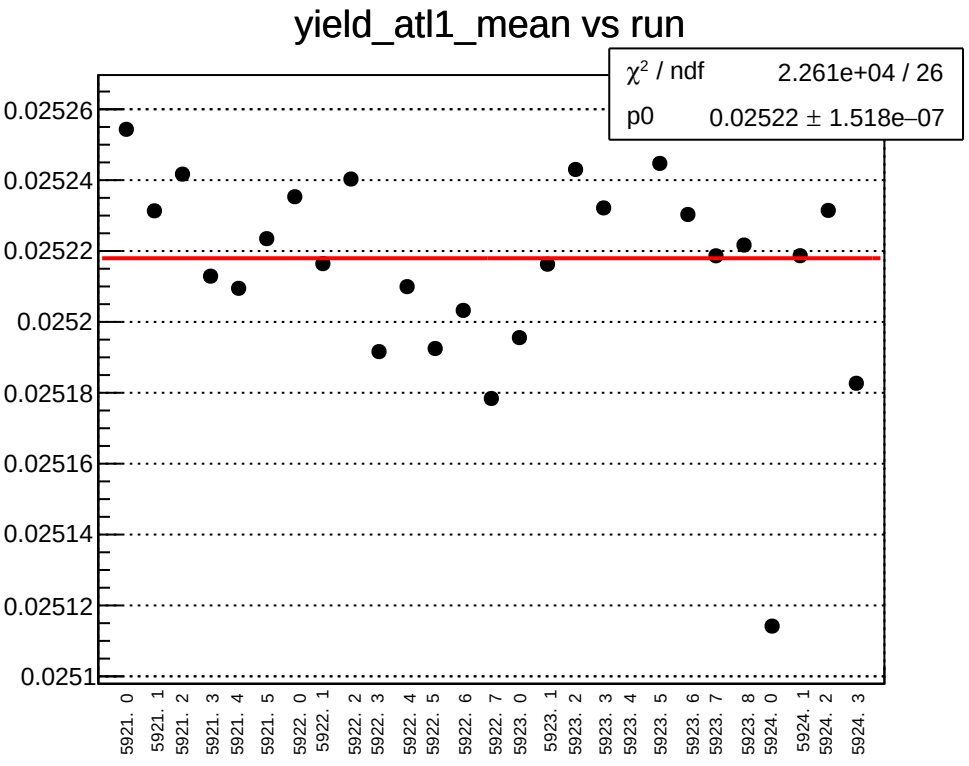

pull1D
Entries 27
Mean 0.9082
Std Dev 2.663
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

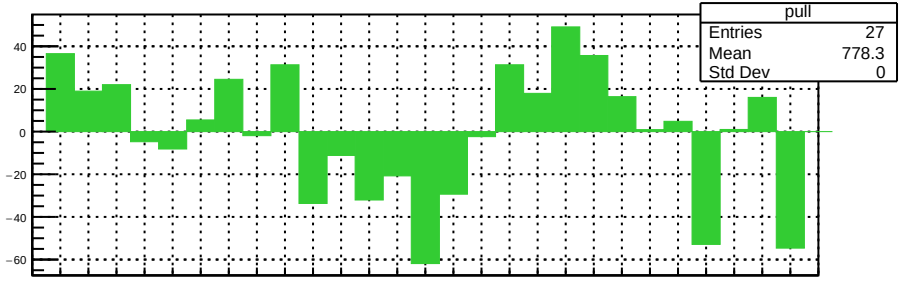

yield_dsl_rms vs run
χ² / ndf 9409 / 26
p0 0.04433 ± 6.222e−05
0.06
0.055
0.05
0.045
0.04
0.035
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

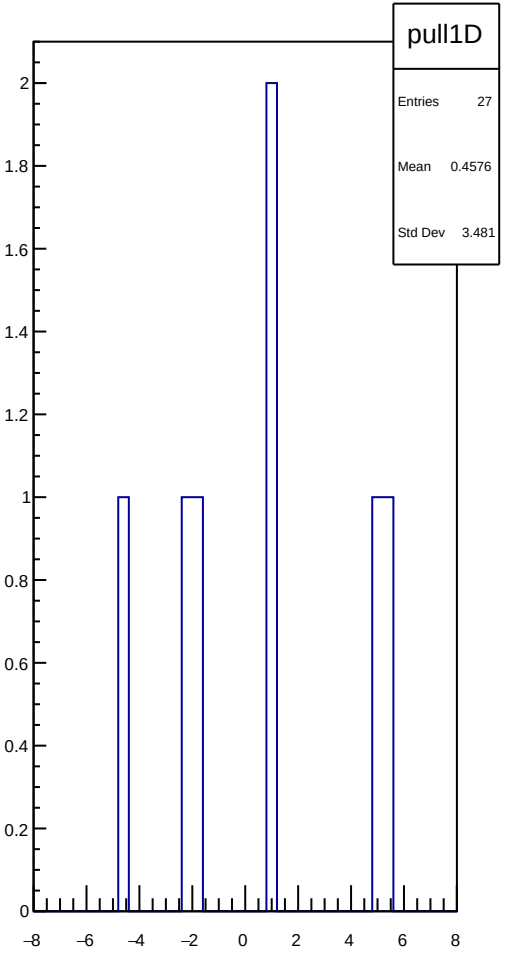

yield_dsr_mean vs run
χ² / ndf 1.632e+05 / 26
p0 −25.21± 0.0001178
−25.1
−25.15
−25.2
−25.25
−25.3
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −157.9
Std Dev 0
150
100
50
0
−50
−100
−150

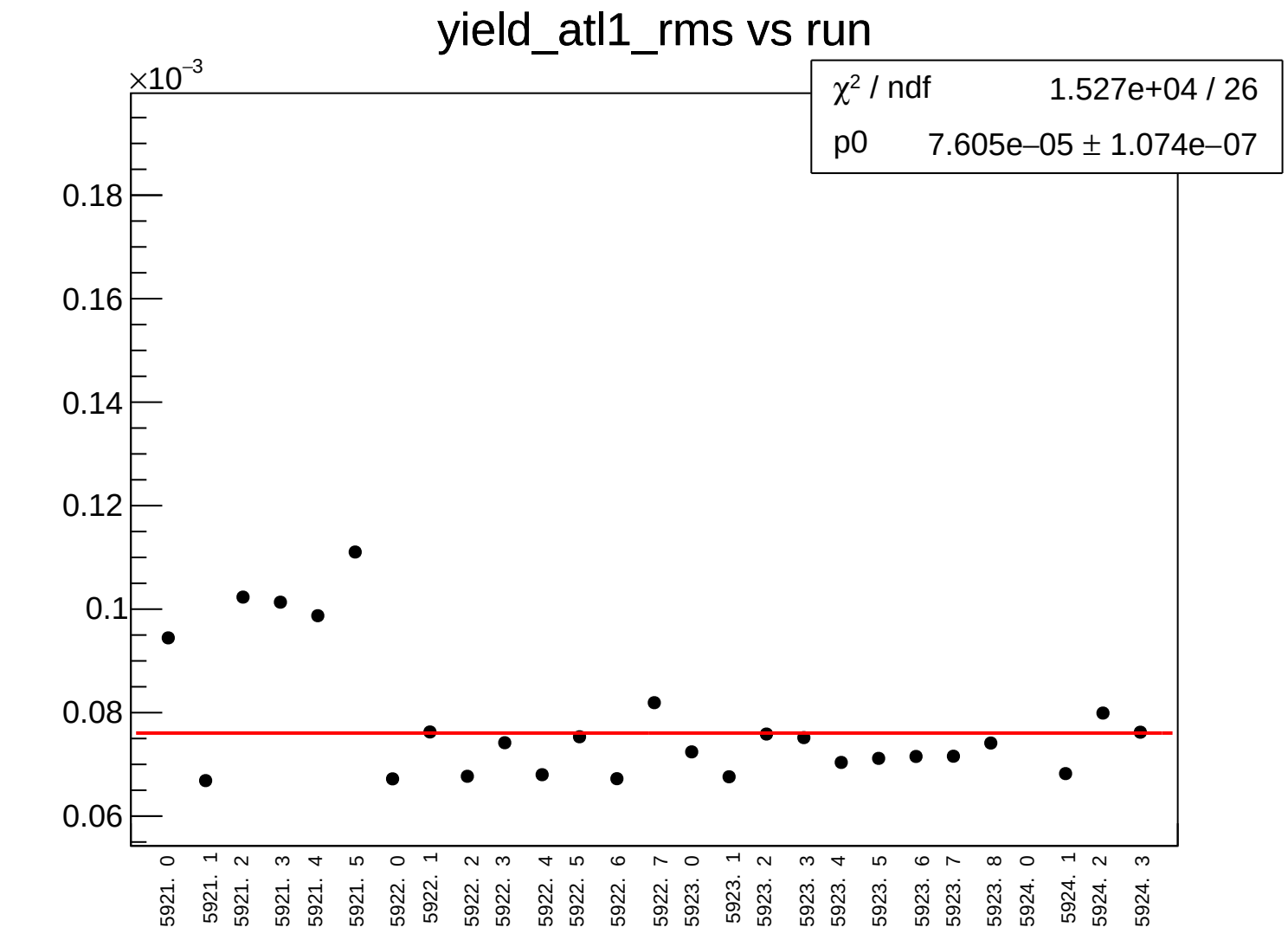

pull1D
Entries 27
Mean −0.4267
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

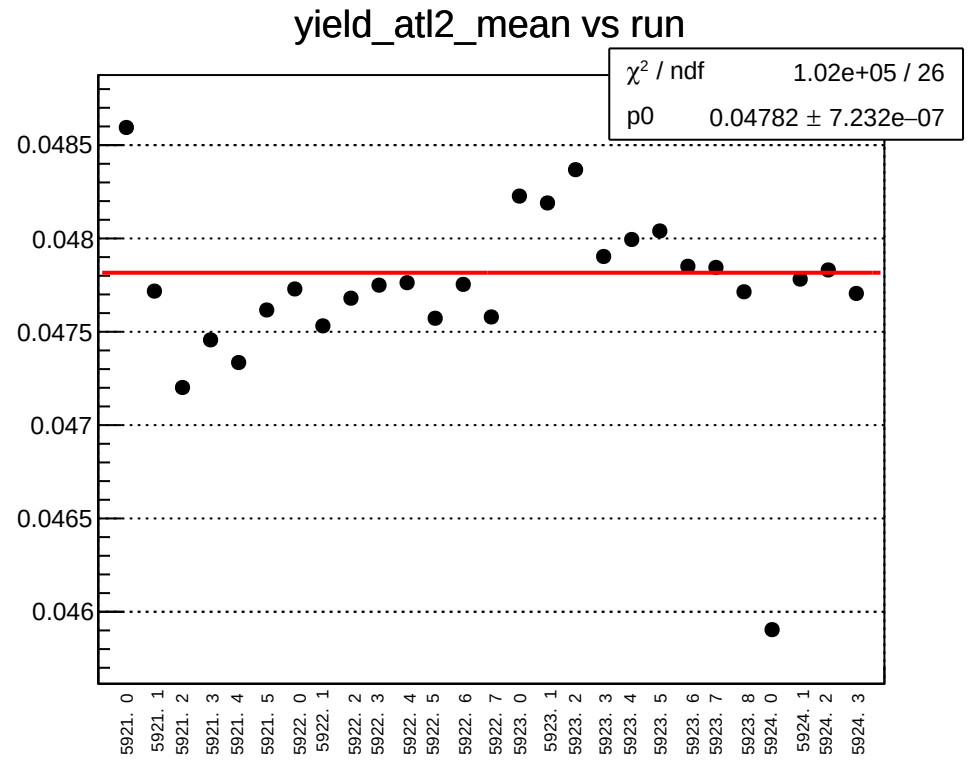

yield_dsr_rms vs run
χ² / ndf 1.497e+04 / 26
p0 0.05901 ± 8.328e–05
0.08
0.075
0.07
0.065
0.06
0.055
0.05
0.045
0.04
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

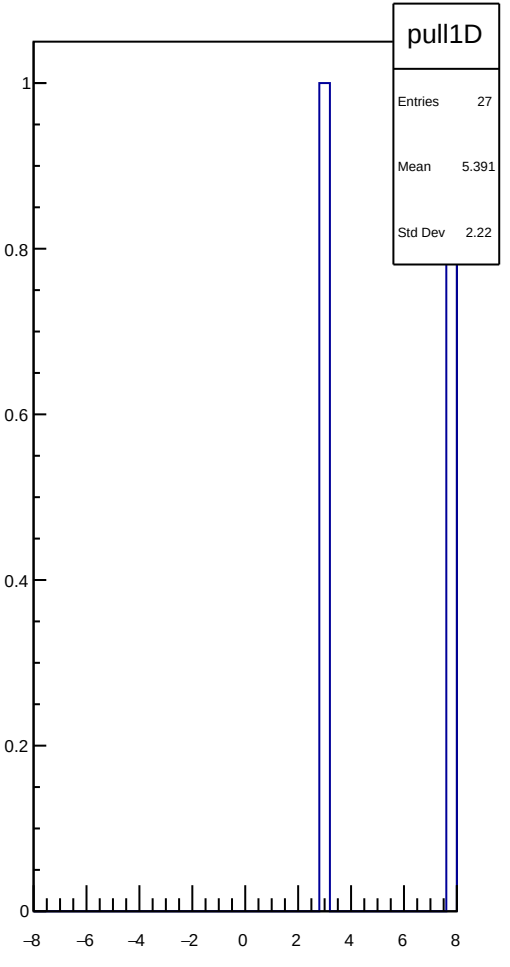

yield_atl1_mean vs run
χ² / ndf 2.261e+04 / 26
p0 0.02522 ± 1.518e−07
0.02526
0.02524
0.02522
0.0252
0.02518
0.02516
0.02514
0.02512
0.0251
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

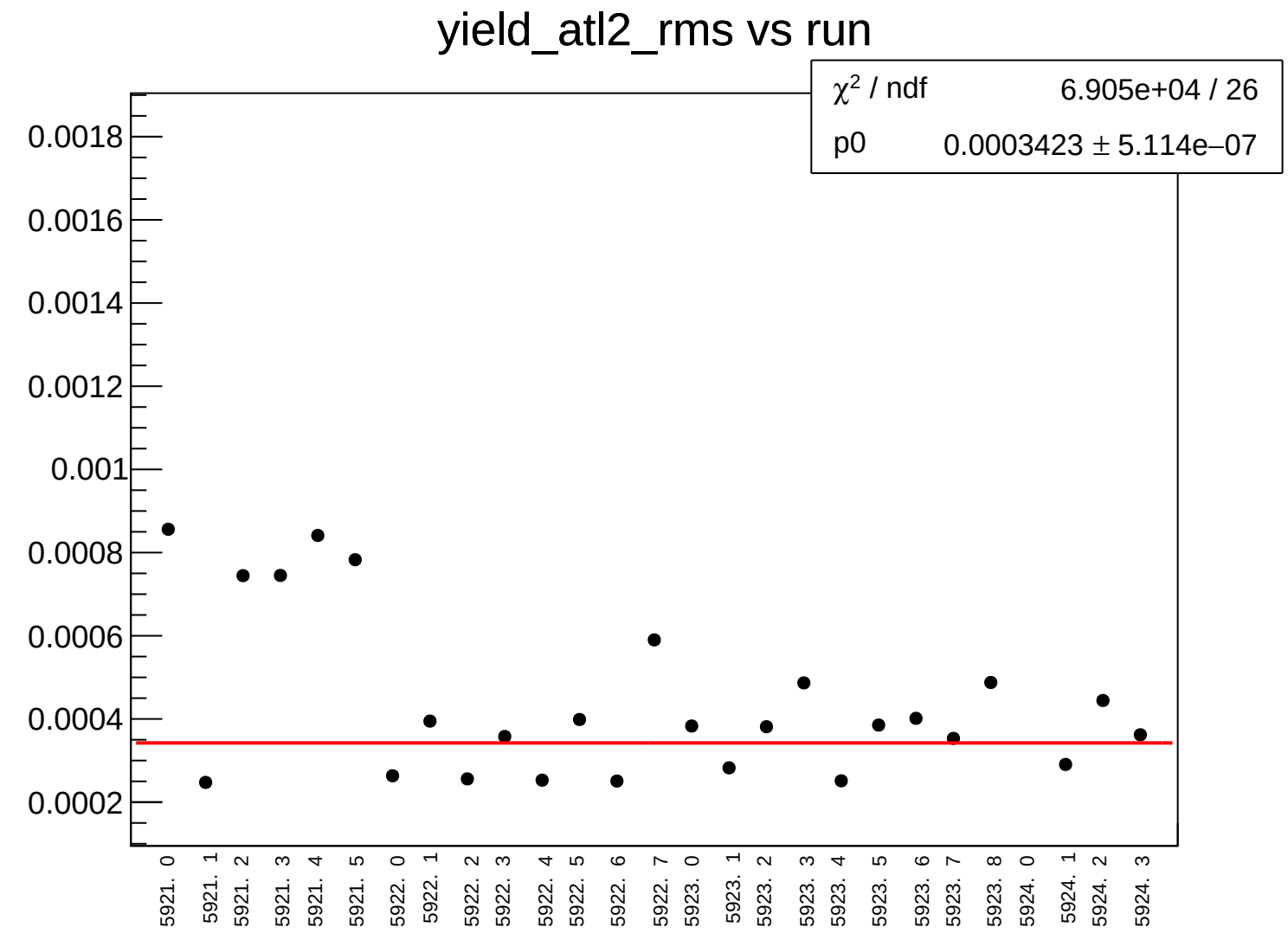

pull
Entries 27
Mean 778.3
Std Dev 0
40
20
0
−20
−40
−60

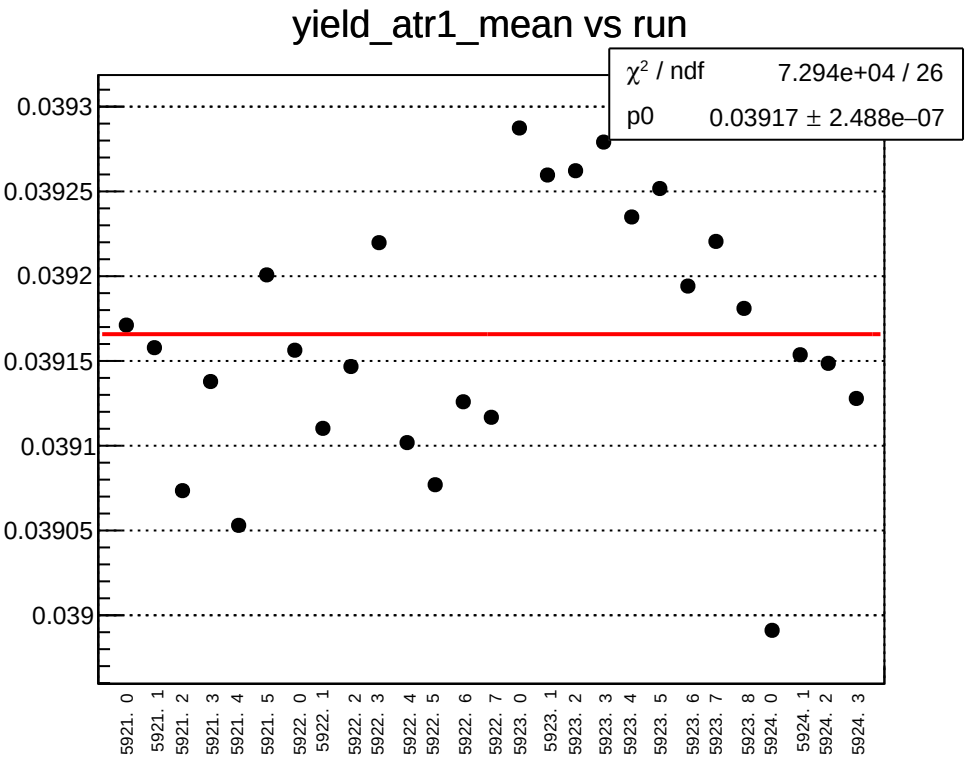

pull1D
Entries 27
Mean 0.4576
Std Dev 3.481
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

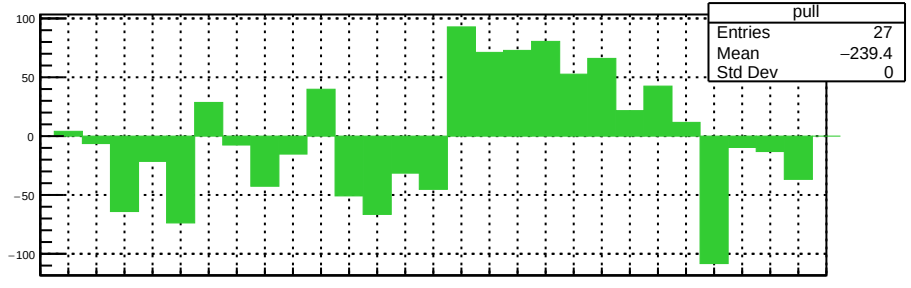

yield_atl1_rms vs run
×10⁻³
χ² / ndf 1.527e+04 / 26
p0 7.605e−05 ± 1.074e−07
0.18
0.16
0.14
0.12
0.1
0.08
0.06
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

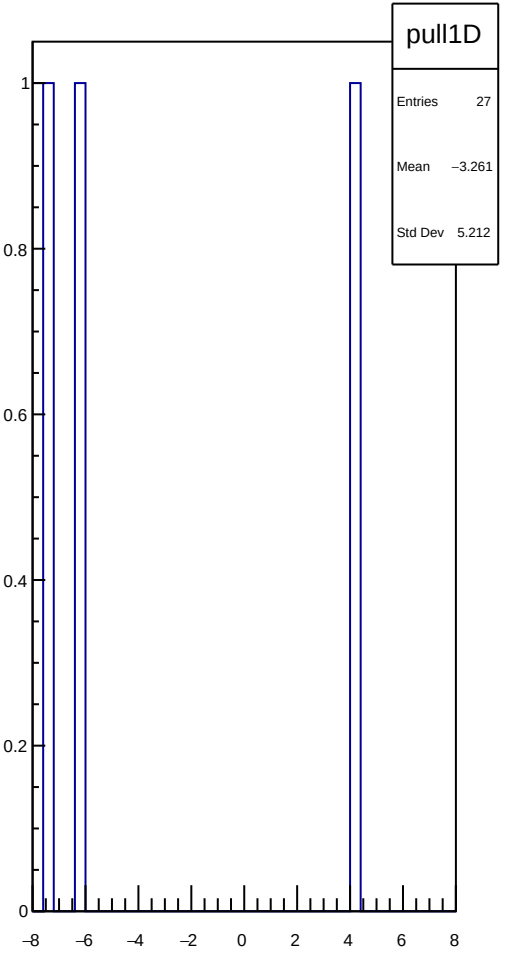

yield_atl2_mean vs run
χ² / ndf 1.02e+05 / 26
p0 0.04782 ± 7.232e−07
0.0485
0.048
0.0475
0.047
0.0465
0.046
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −4.94
Std Dev 0
150
100
50
0
−50
−100

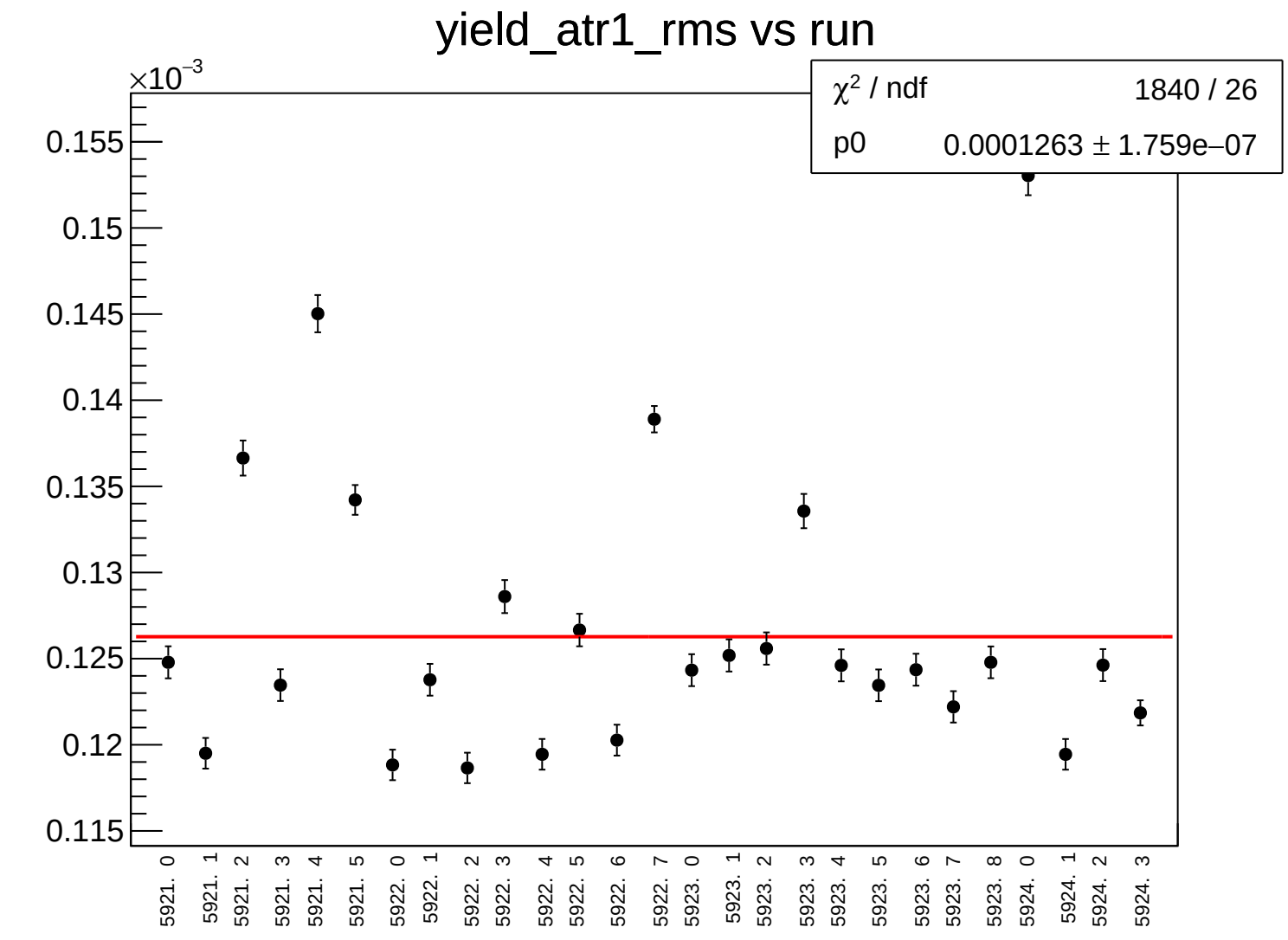

pull1D
Entries 27
Mean 5.391
Std Dev 2.22
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

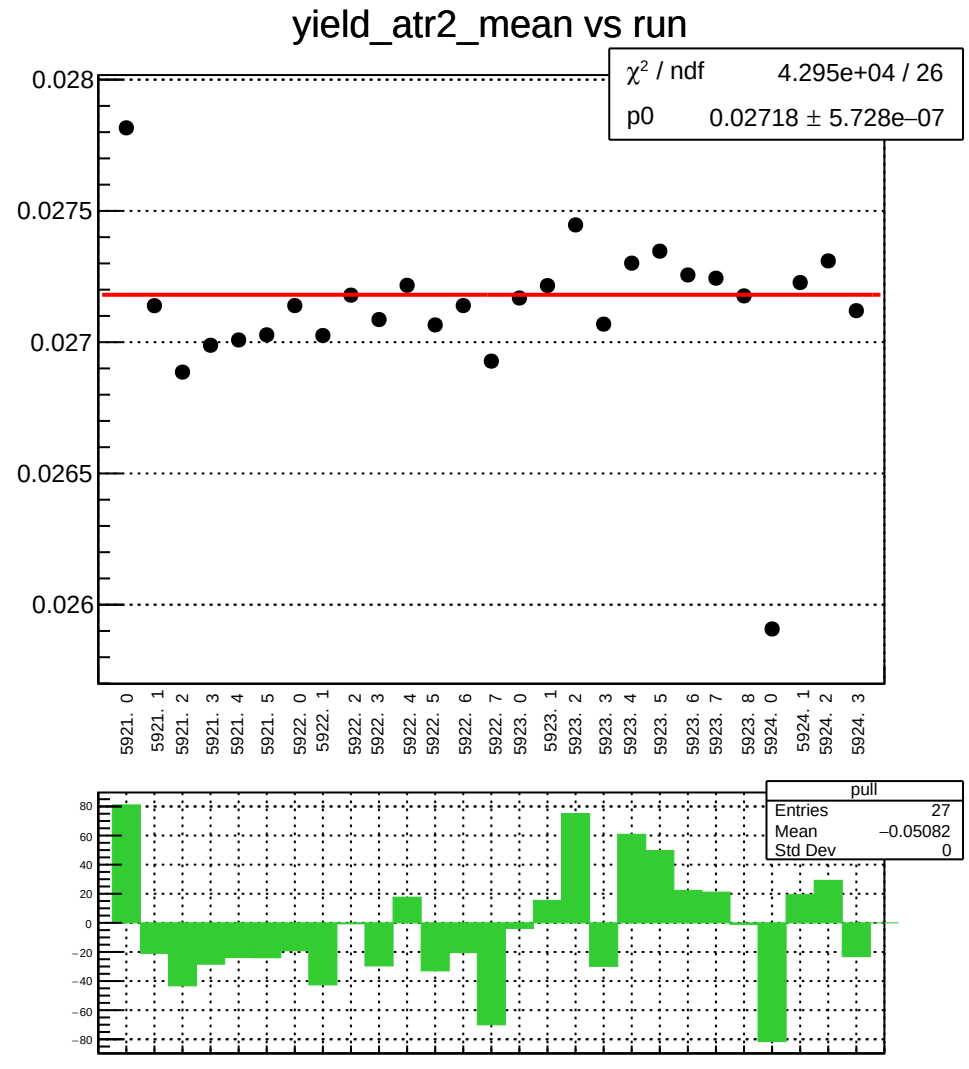

yield_atl2_rms vs run
χ² / ndf 6.905e+04 / 26
p0 0.0003423 ± 5.114e−07
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

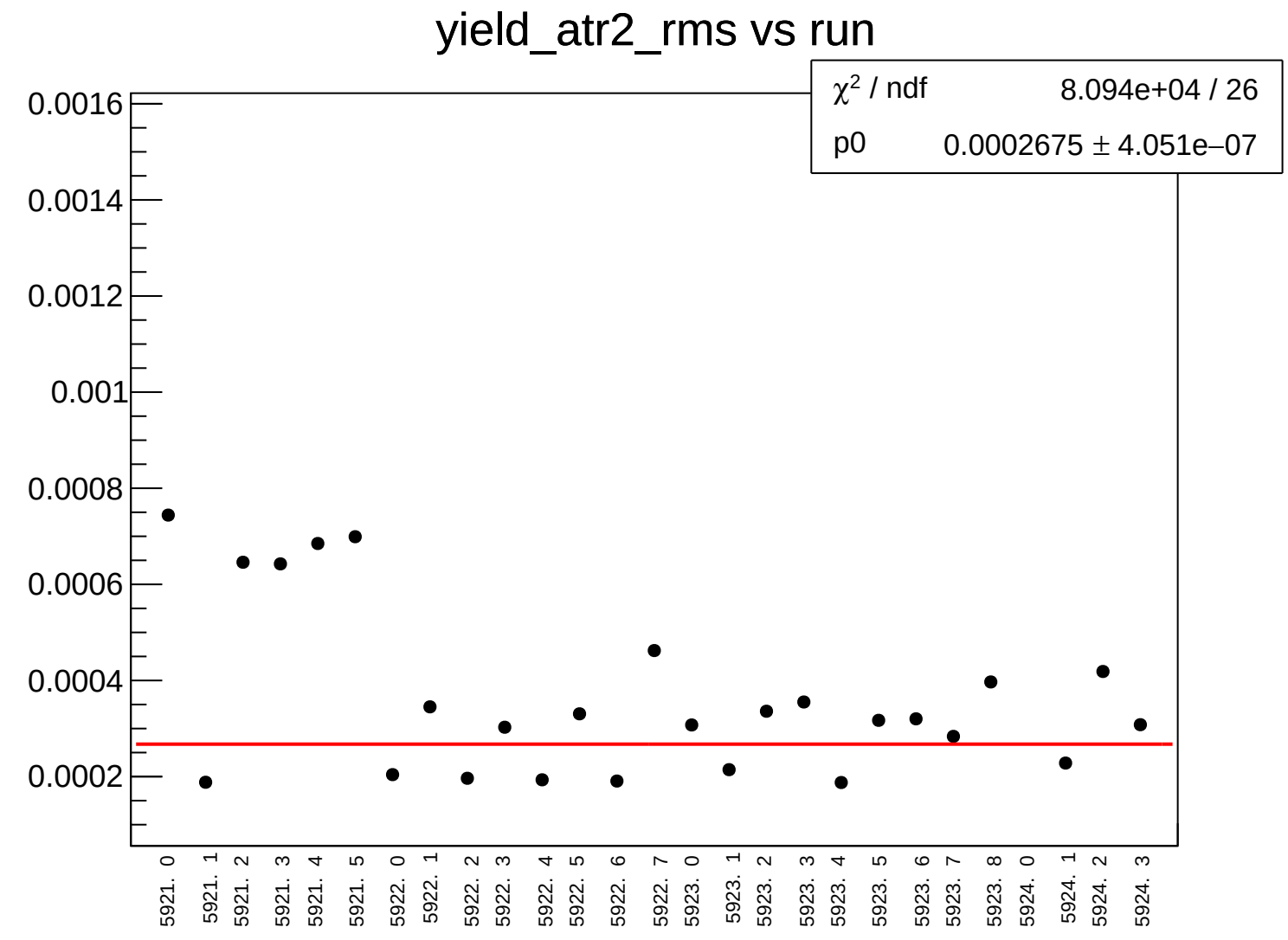

yield_atr1_mean vs run
χ² / ndf 7.294e+04 / 26
p0 0.03917 ± 2.488e−07
0.0393
0.03925
0.0392
0.03915
0.0391
0.03905
0.039
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

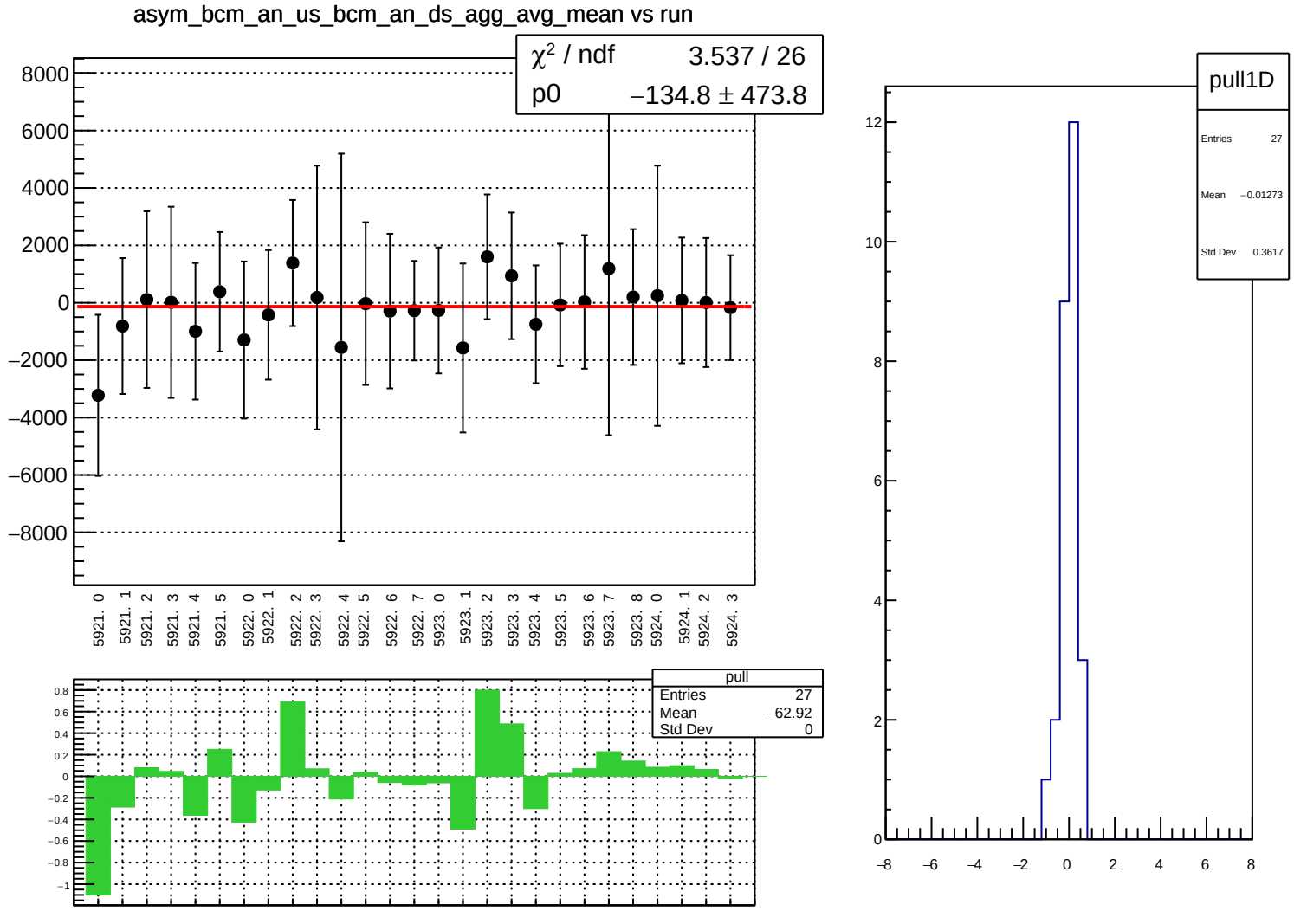

pull
Entries 27
Mean −239.4
Std Dev 0
100
50
0
−50
−100

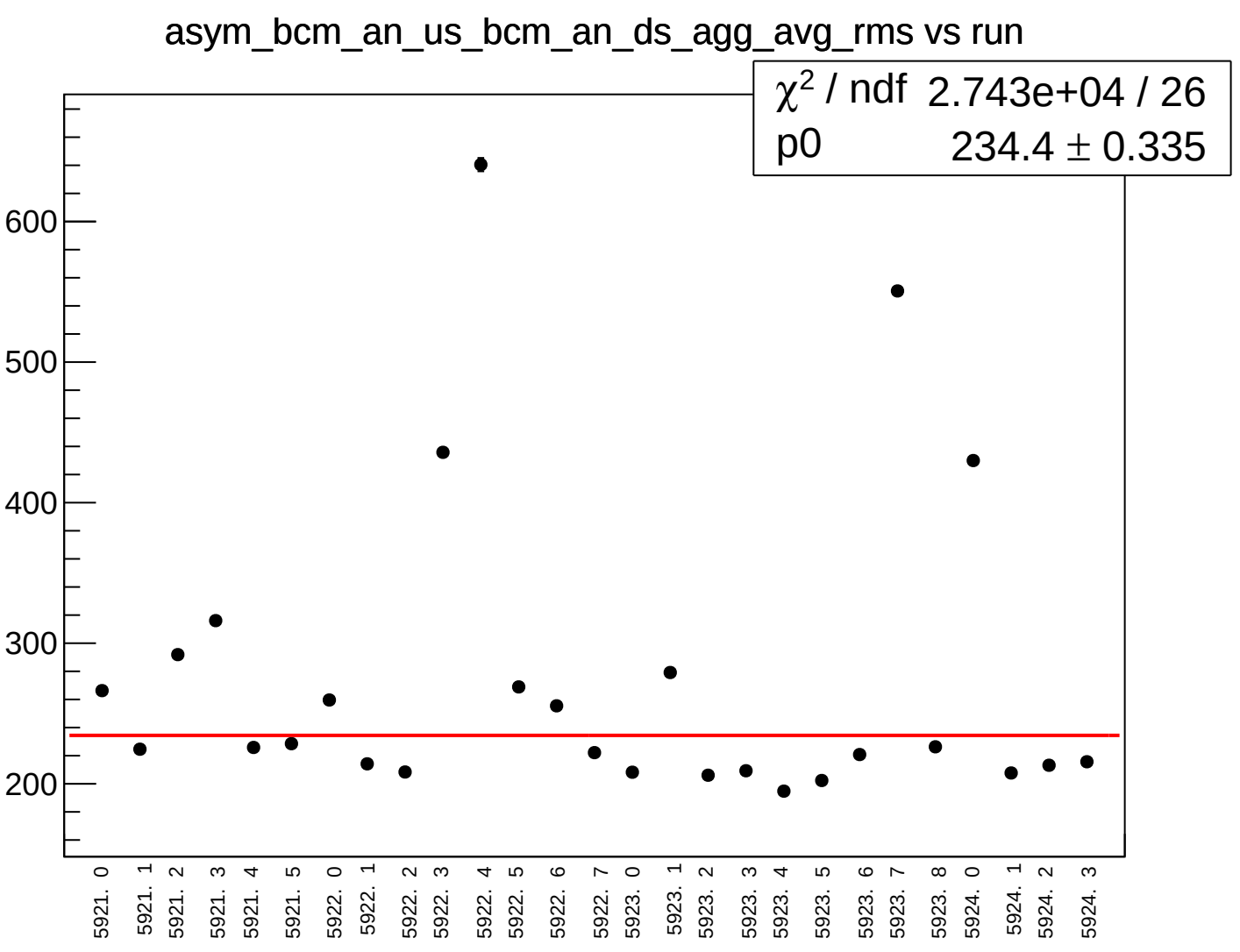

pull1D
Entries 27
Mean −3.261
Std Dev 5.212
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

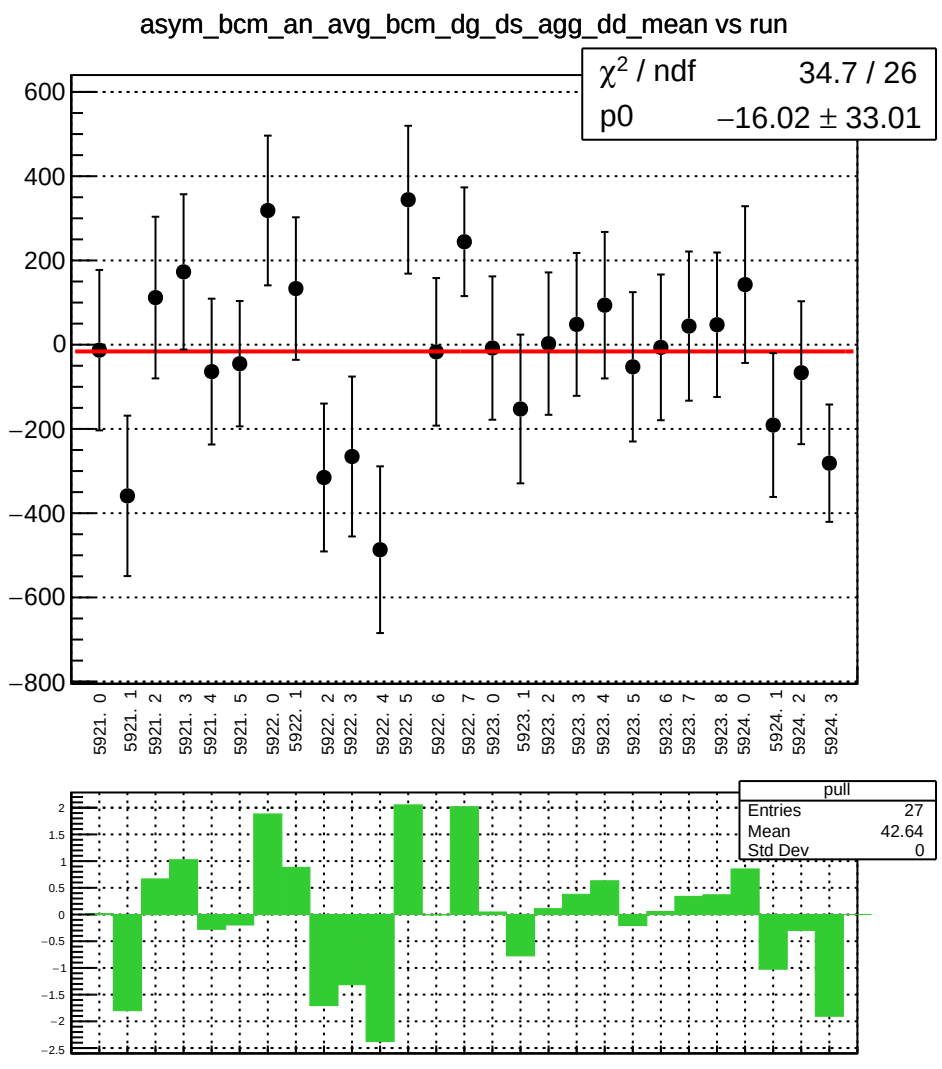

yield_atr1_rms vs run
×10⁻³
χ² / ndf 1840 / 26
p0 0.0001263 ± 1.759e−07
0.155
0.15
0.145
0.14
0.135
0.13
0.125
0.12
0.115
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

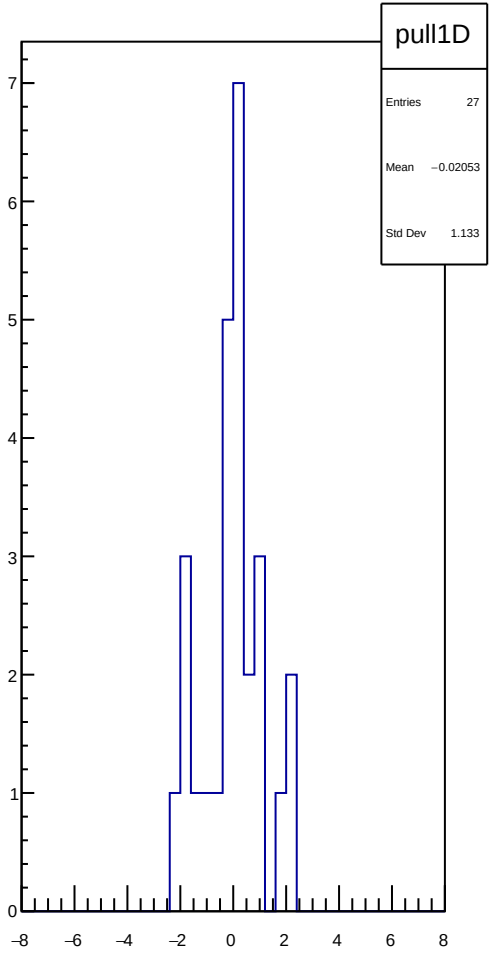

yield_atr2_mean vs run
χ² / ndf 4.295e+04 / 26
p0 0.02718 ± 5.728e−07
0.028
0.0275
0.027
0.0265
0.026
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −0.05082
Std Dev 0
80
60
40
20
0
−20
−40
−60
−80
pull1D
Entries 27
Mean −1.851
Std Dev 1.403
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

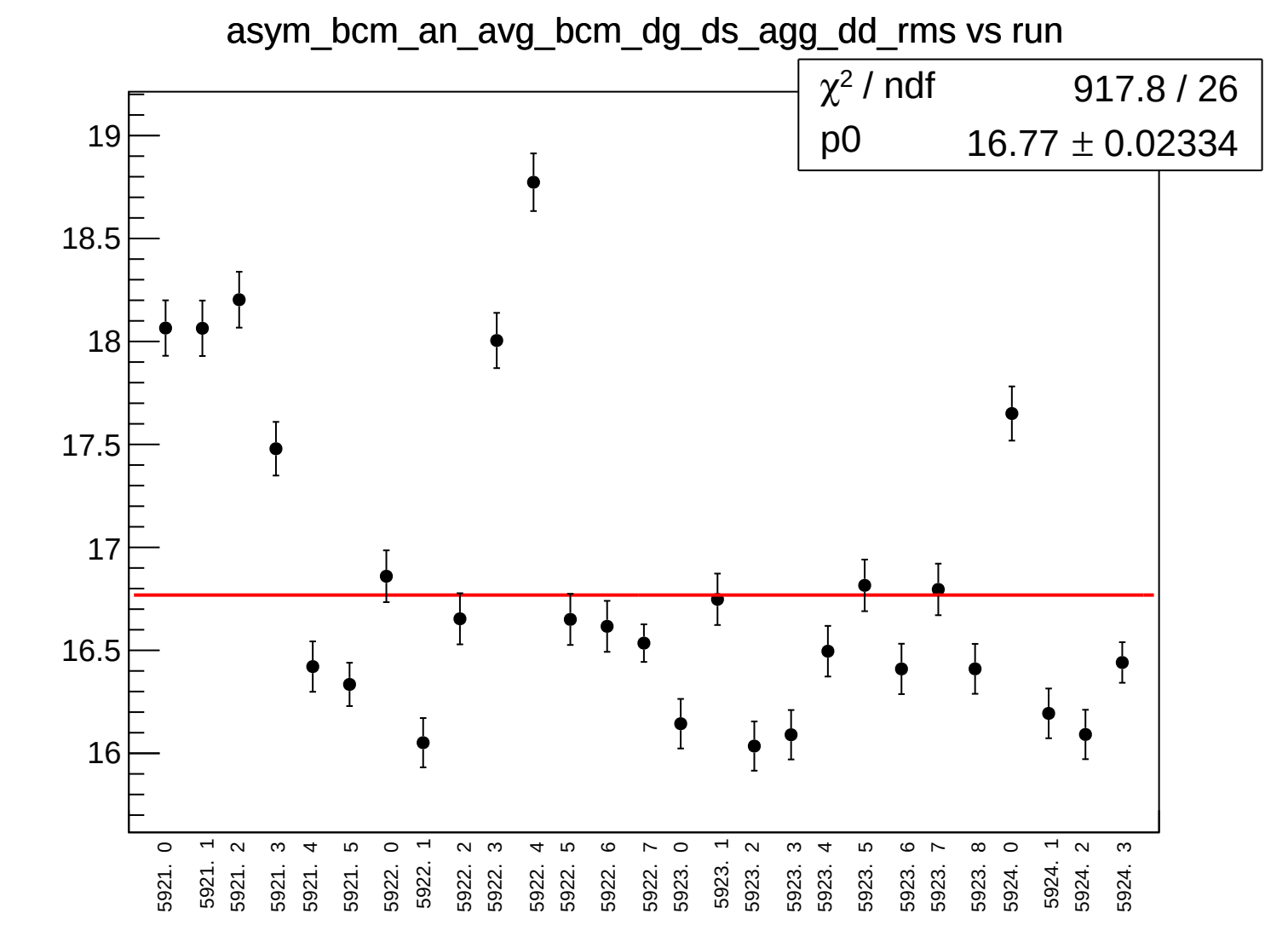

yield_atr2_rms vs run
χ² / ndf 8.094e+04 / 26
p0 0.0002675 ± 4.051e−07
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

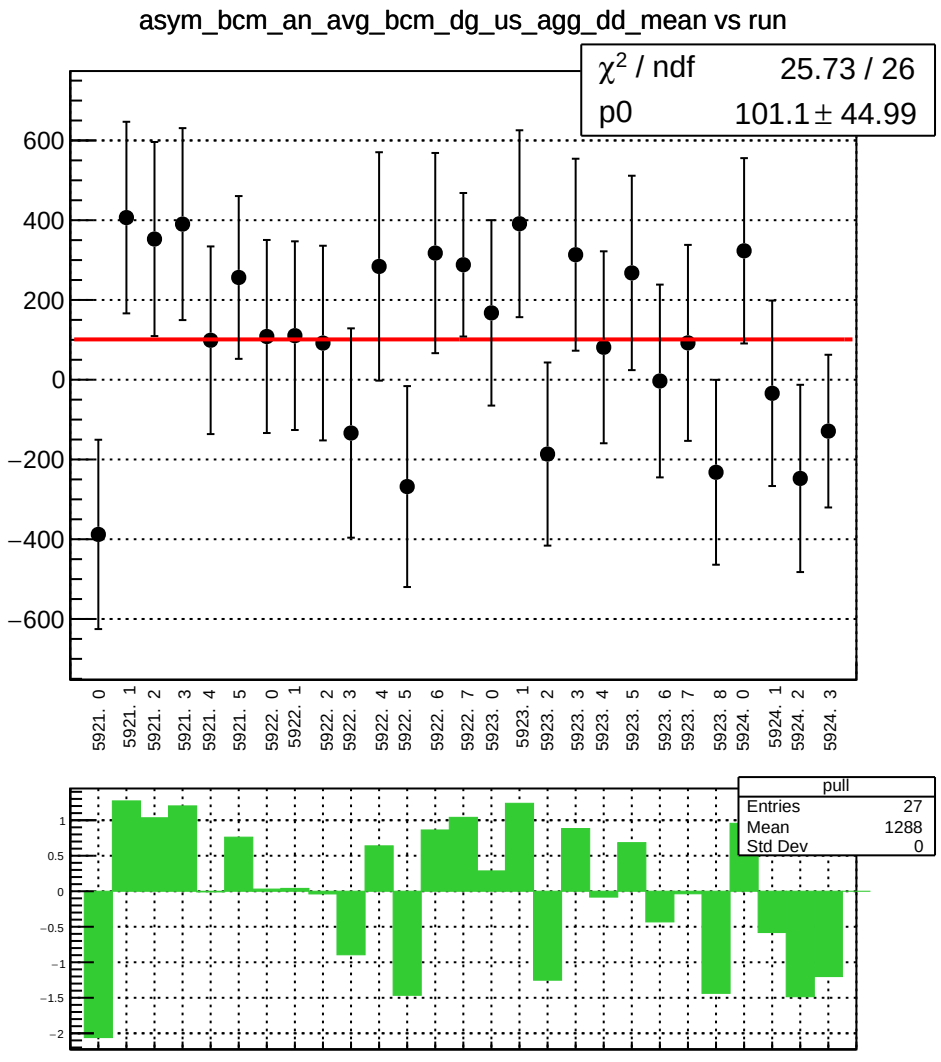

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 3.537 / 26
p0 −134.8 ± 473.8
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −62.92
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 27
Mean −0.01273
Std Dev 0.3617
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

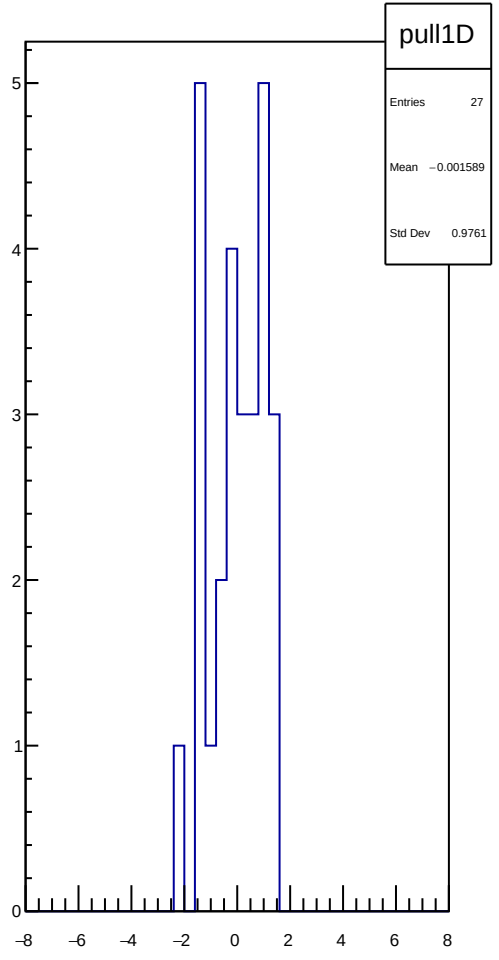

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 2.743e+04 / 26
p0 234.4 ± 0.335
600
500
400
300
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

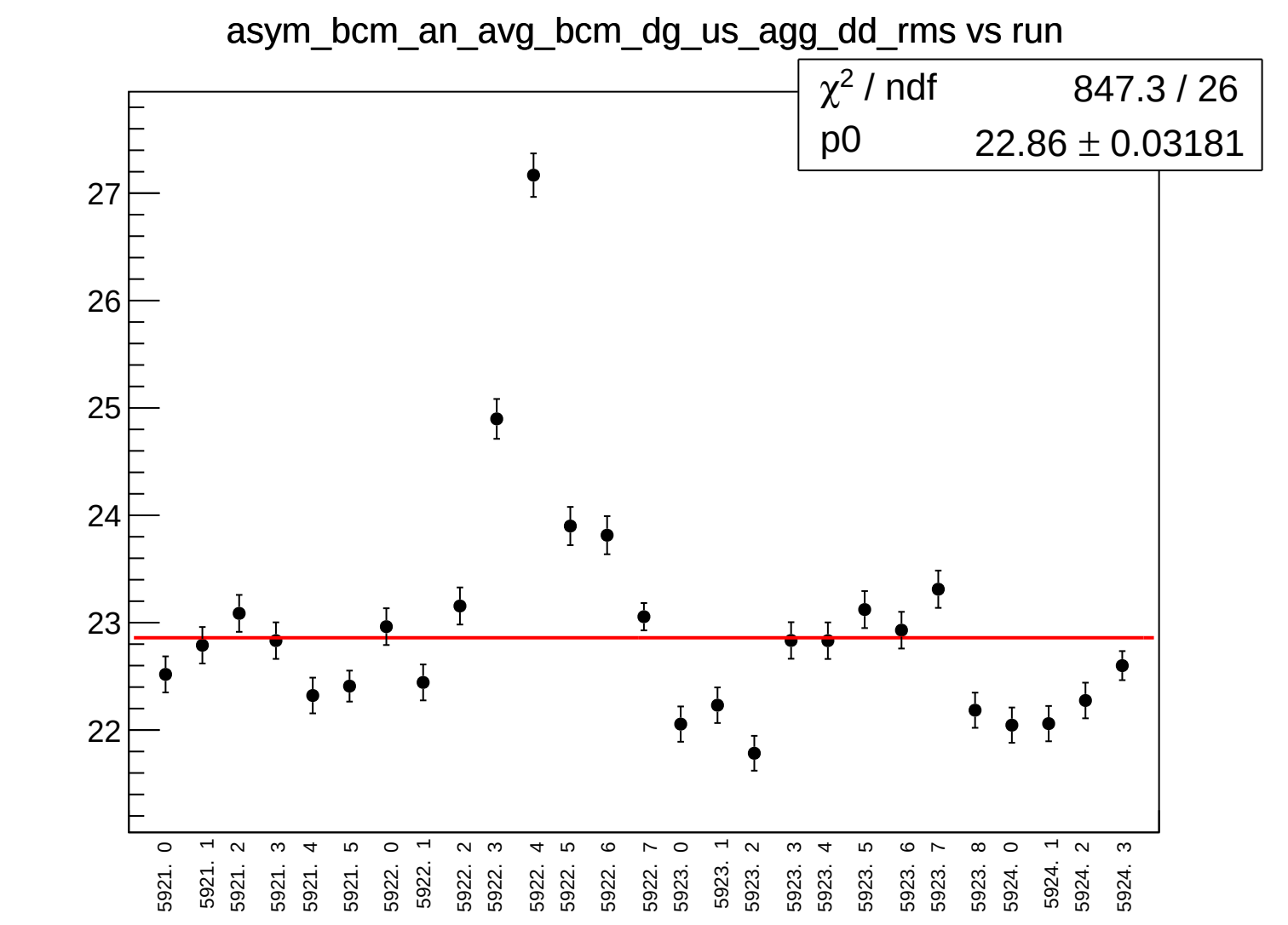

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 34.7 / 26
p0 −16.02 ± 33.01
600
400
200
0
−200
−400
−600
−800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 42.64
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

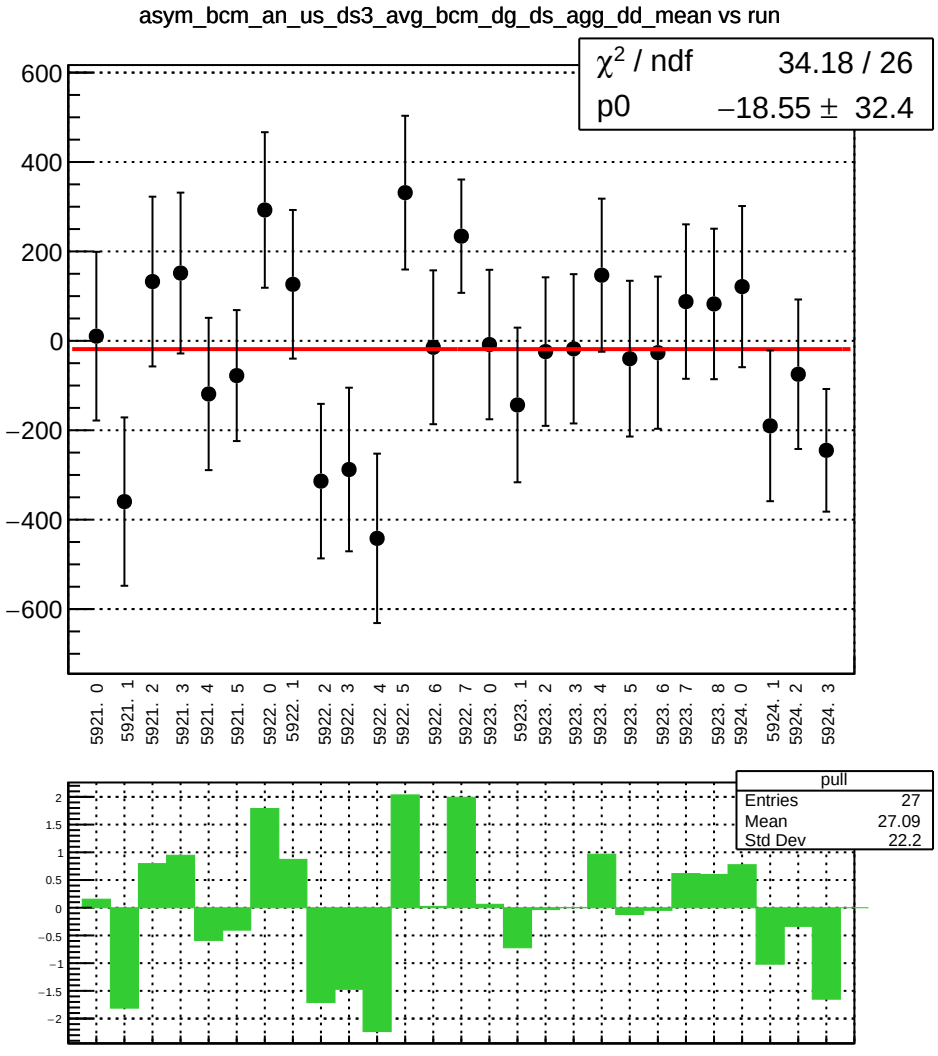

pull1D
Entries 27
Mean −0.02053
Std Dev 1.133
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

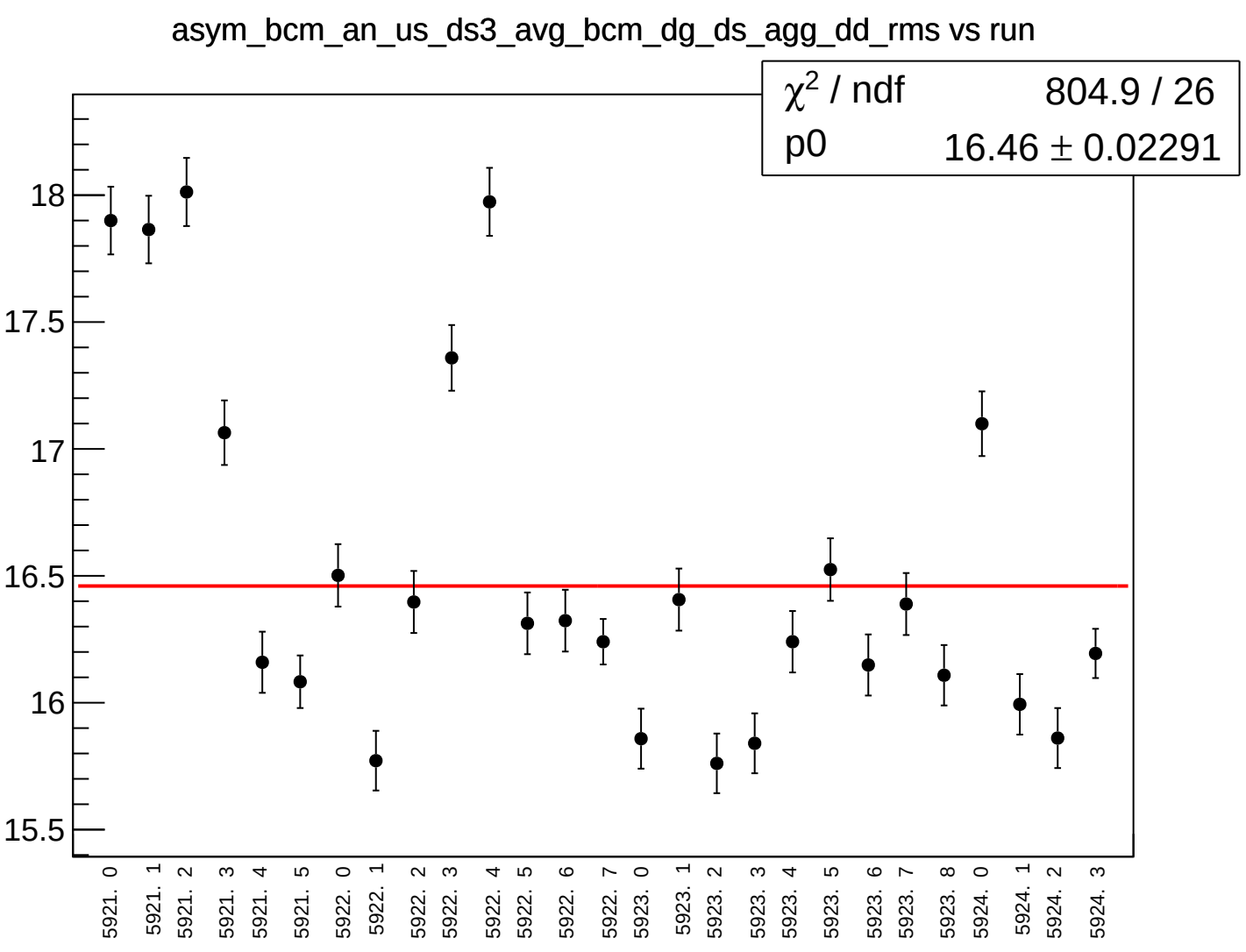

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs run
χ^2 / ndf 917.8 / 26
p0 16.77 ± 0.02334
19
18.5
18
17.5
17
16.5
16
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

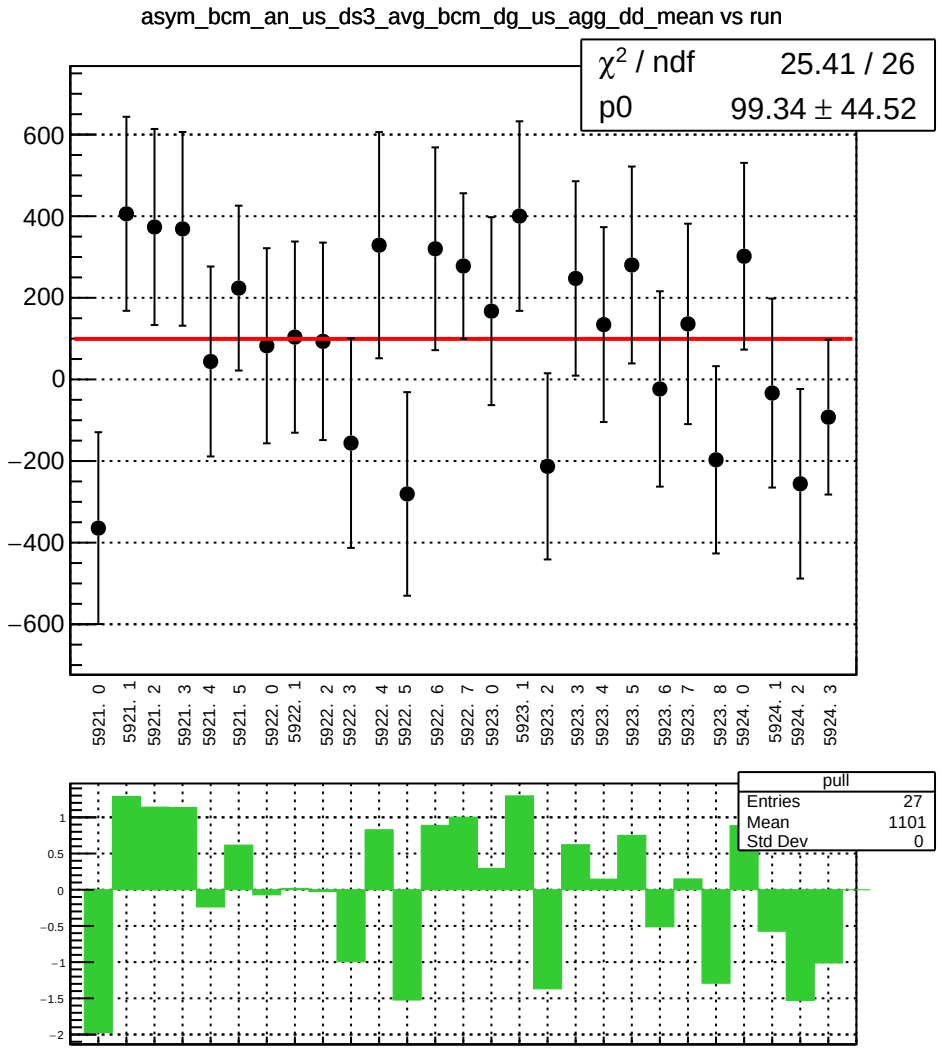

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 25.73 / 26
p0 101.1 ± 44.99
600
400
200
0
−200
−400
−600
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 1288
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

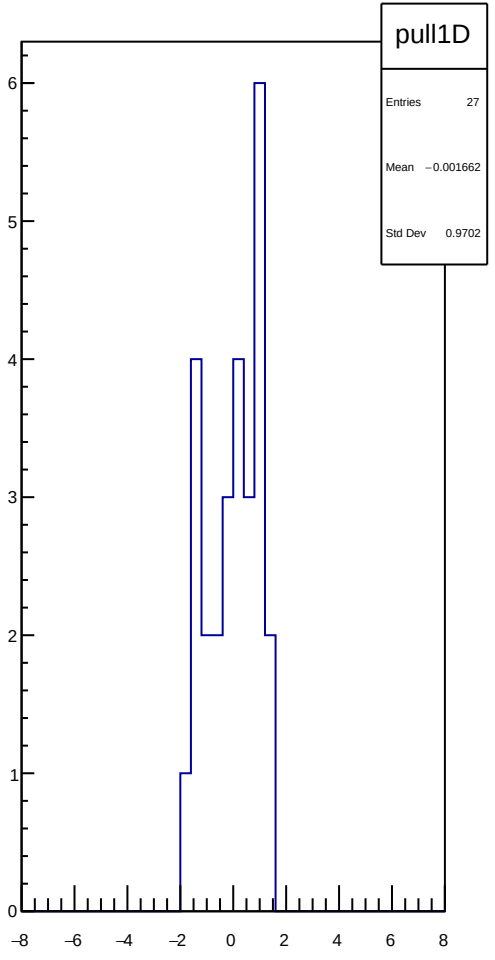

pull1D
Entries 27
Mean −0.001589
Std Dev 0.9761
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

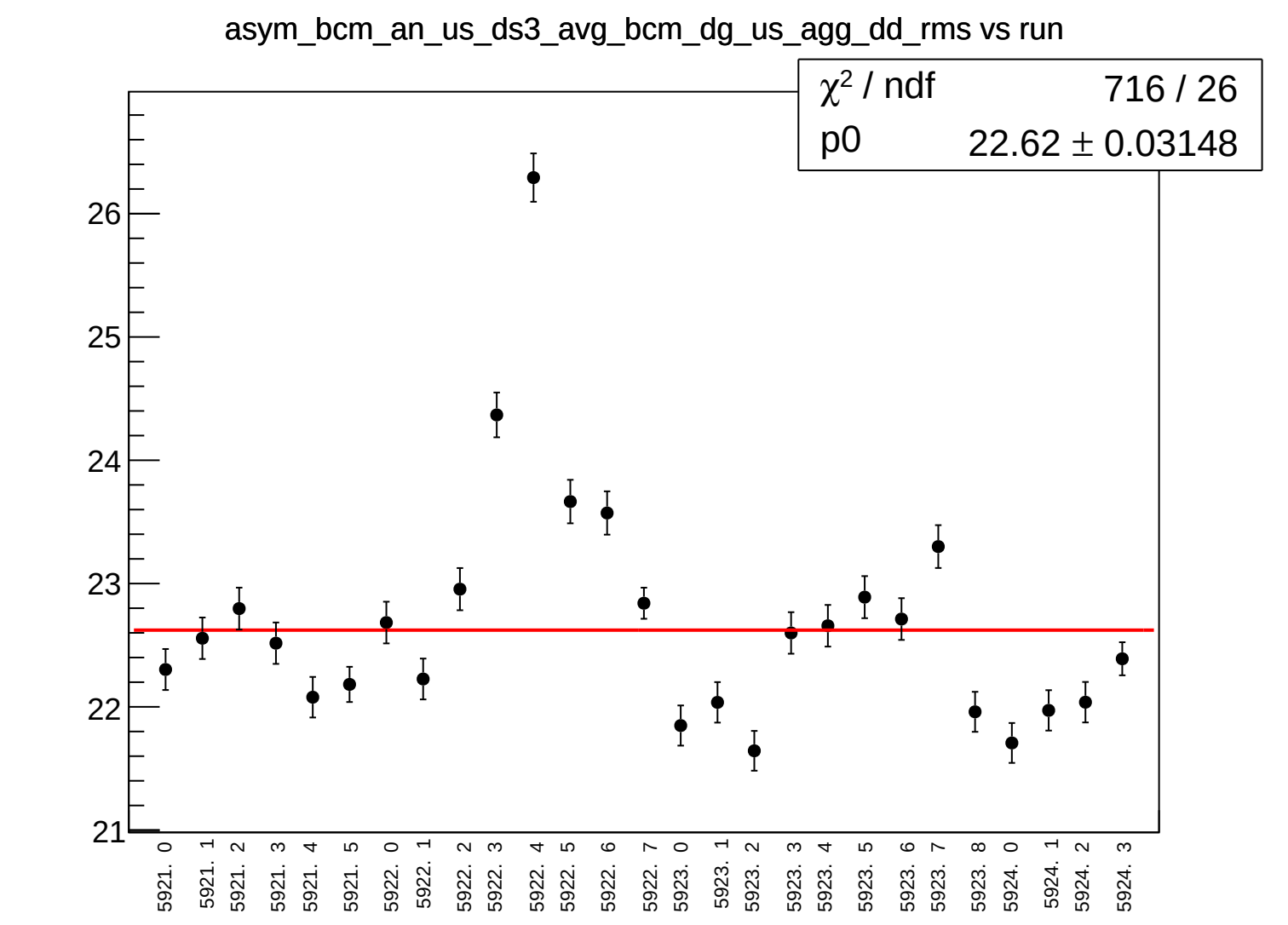

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 847.3 / 26
p0 22.86 ± 0.03181
27
26
25
24
23
22
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

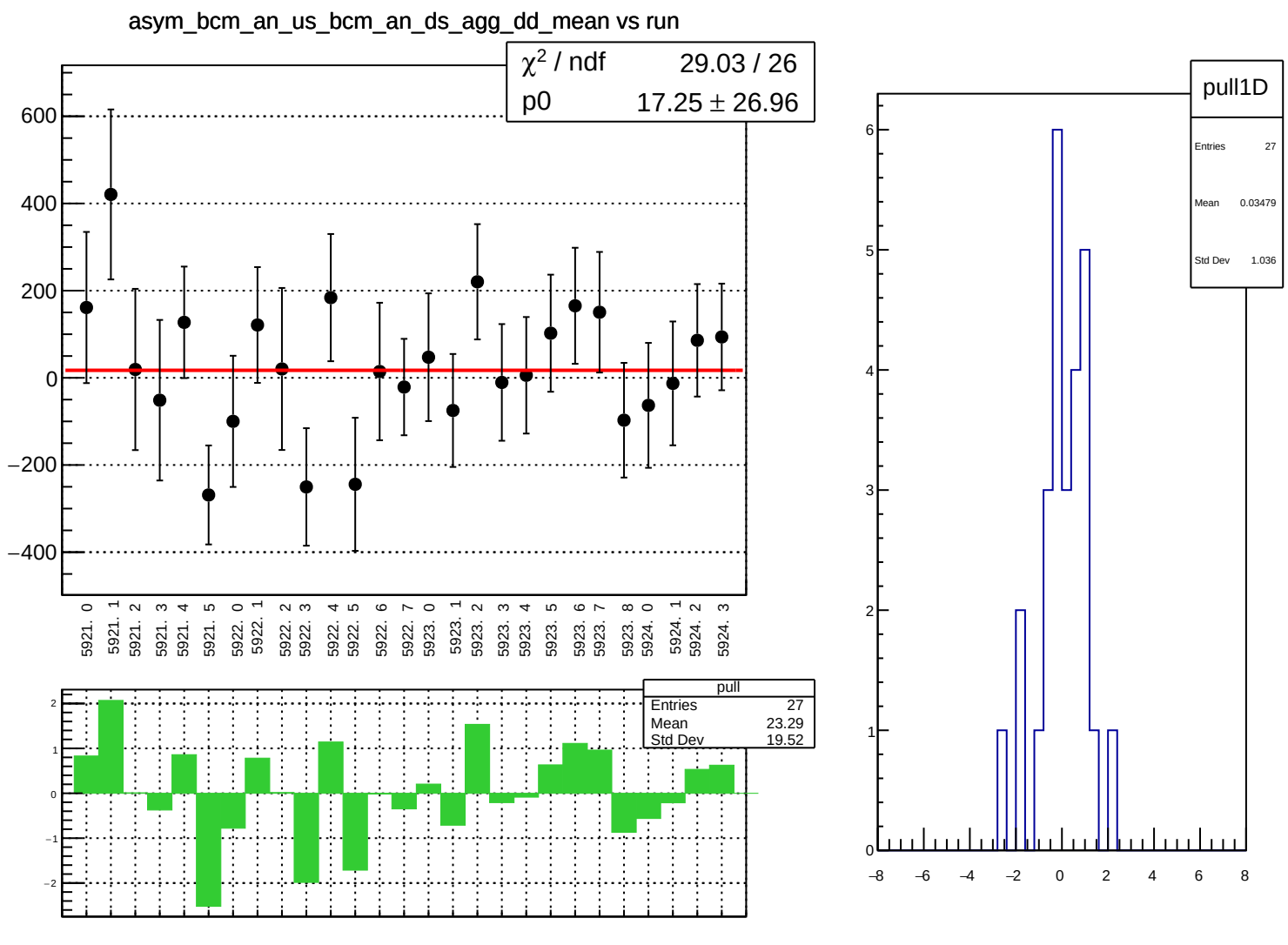

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 34.18 / 26
p0 −18.55 ± 32.4
600
400
200
0
−200
−400
−600
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 27.09
Std Dev 22.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.01896
Std Dev 1.125
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

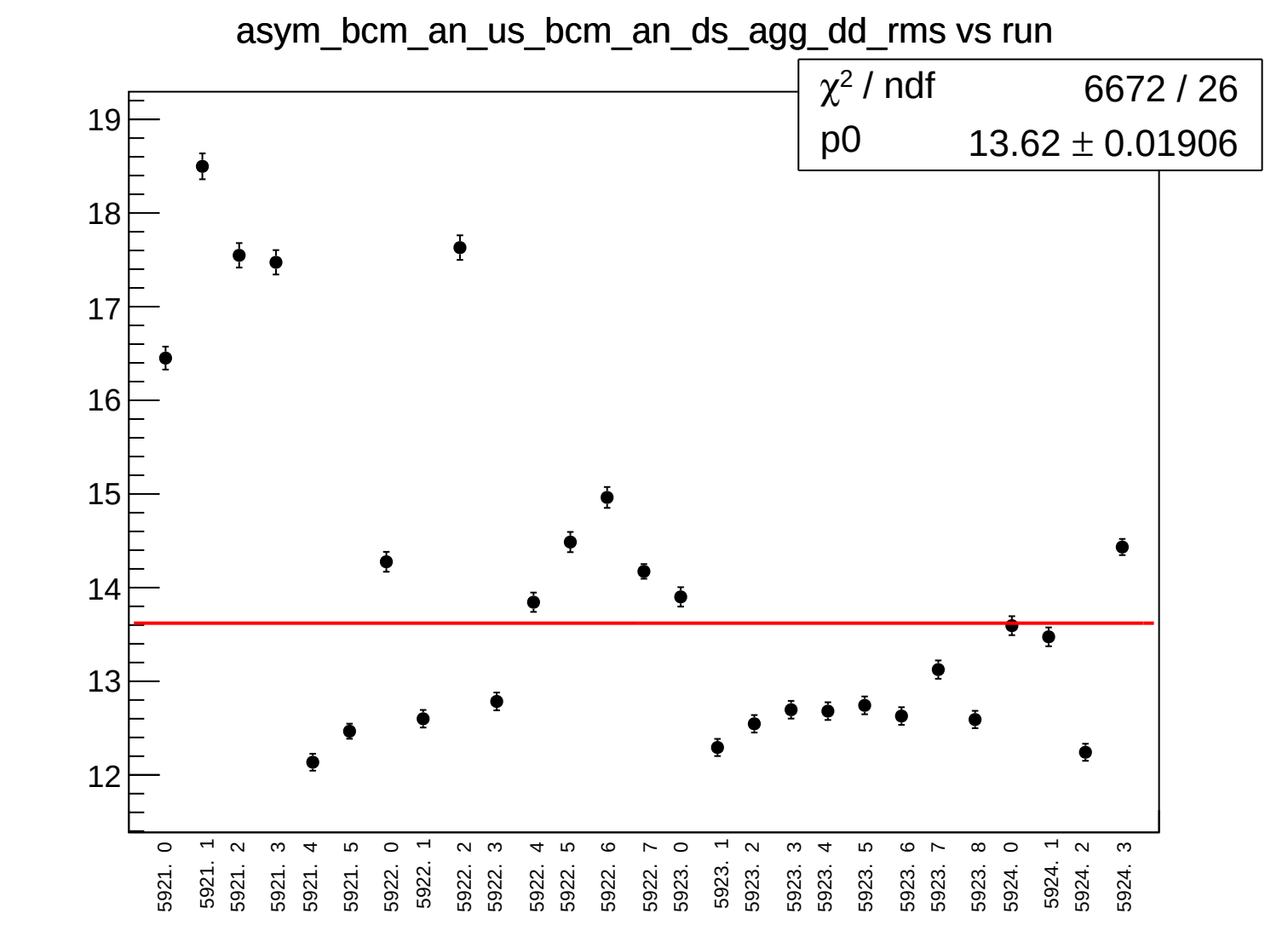

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs run
χ2 / ndf 804.9 / 26
p0 16.46 ± 0.02291
18
17.5
17
16.5
16
15.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

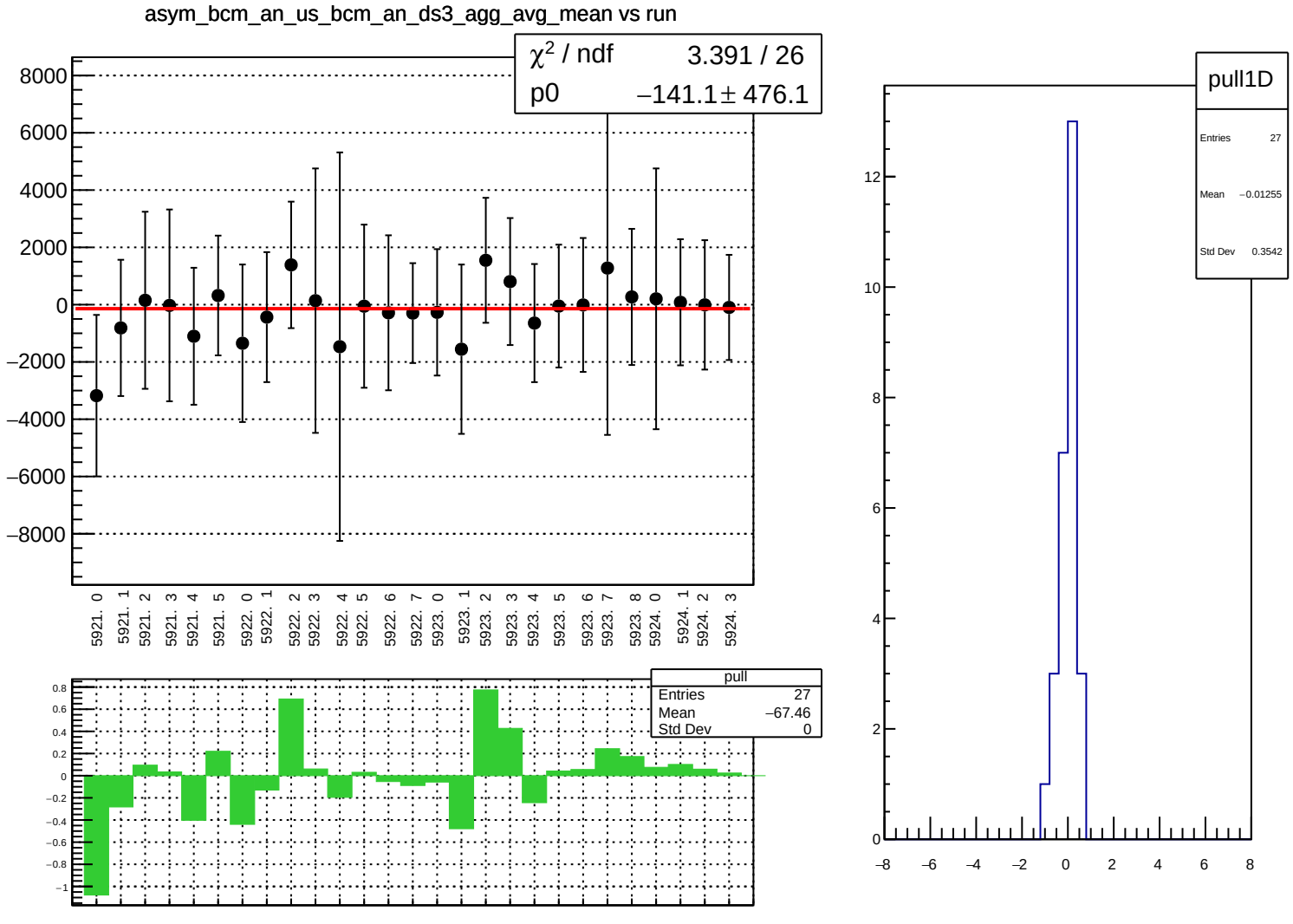

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 25.41 / 26
p0 99.34 ± 44.52
600
400
200
0
−200
−400
−600
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 1101
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

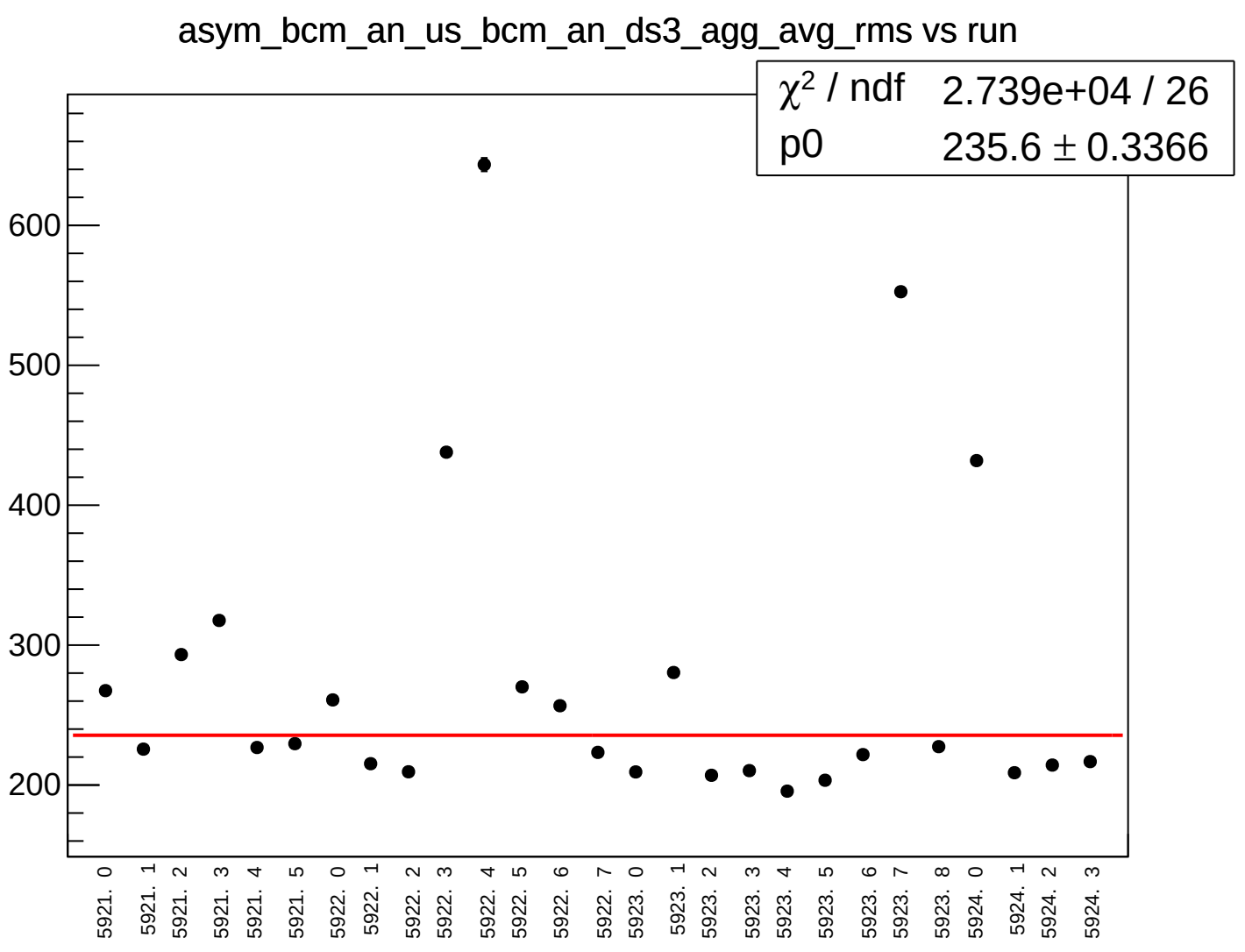

pull1D
Entries 27
Mean −0.001662
Std Dev 0.9702
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

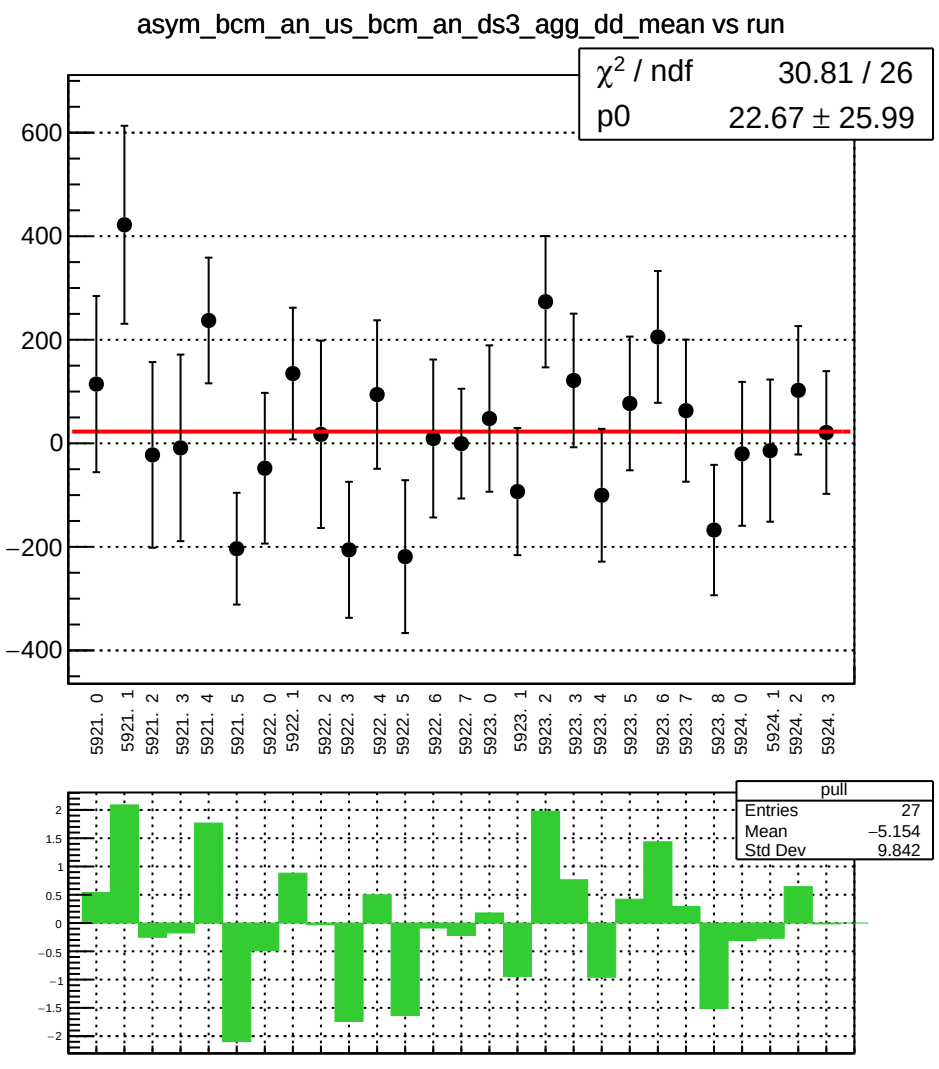

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 716 / 26
p0 22.62 ± 0.03148
26
25
24
23
22
21
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

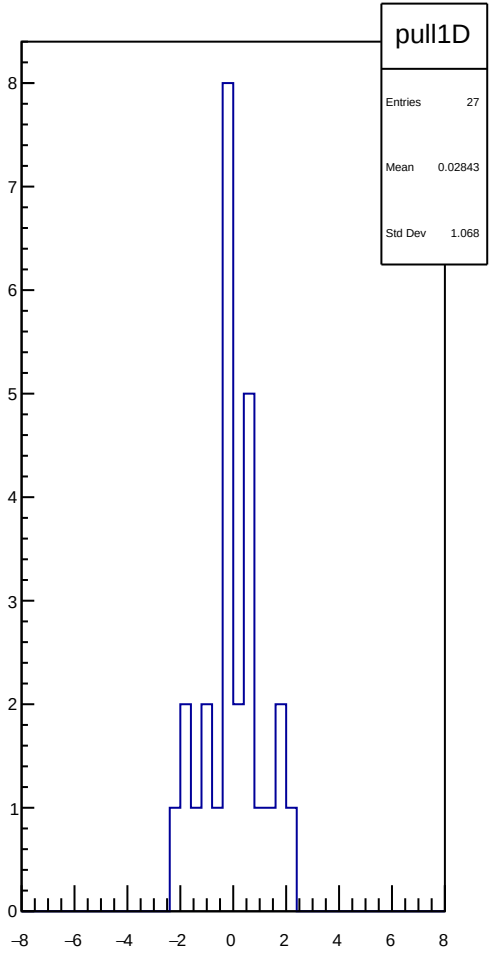

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 29.03 / 26
p0 17.25 ± 26.96
600
400
200
0
−200
−400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 23.29
Std Dev 19.52
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.03479
Std Dev 1.036
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

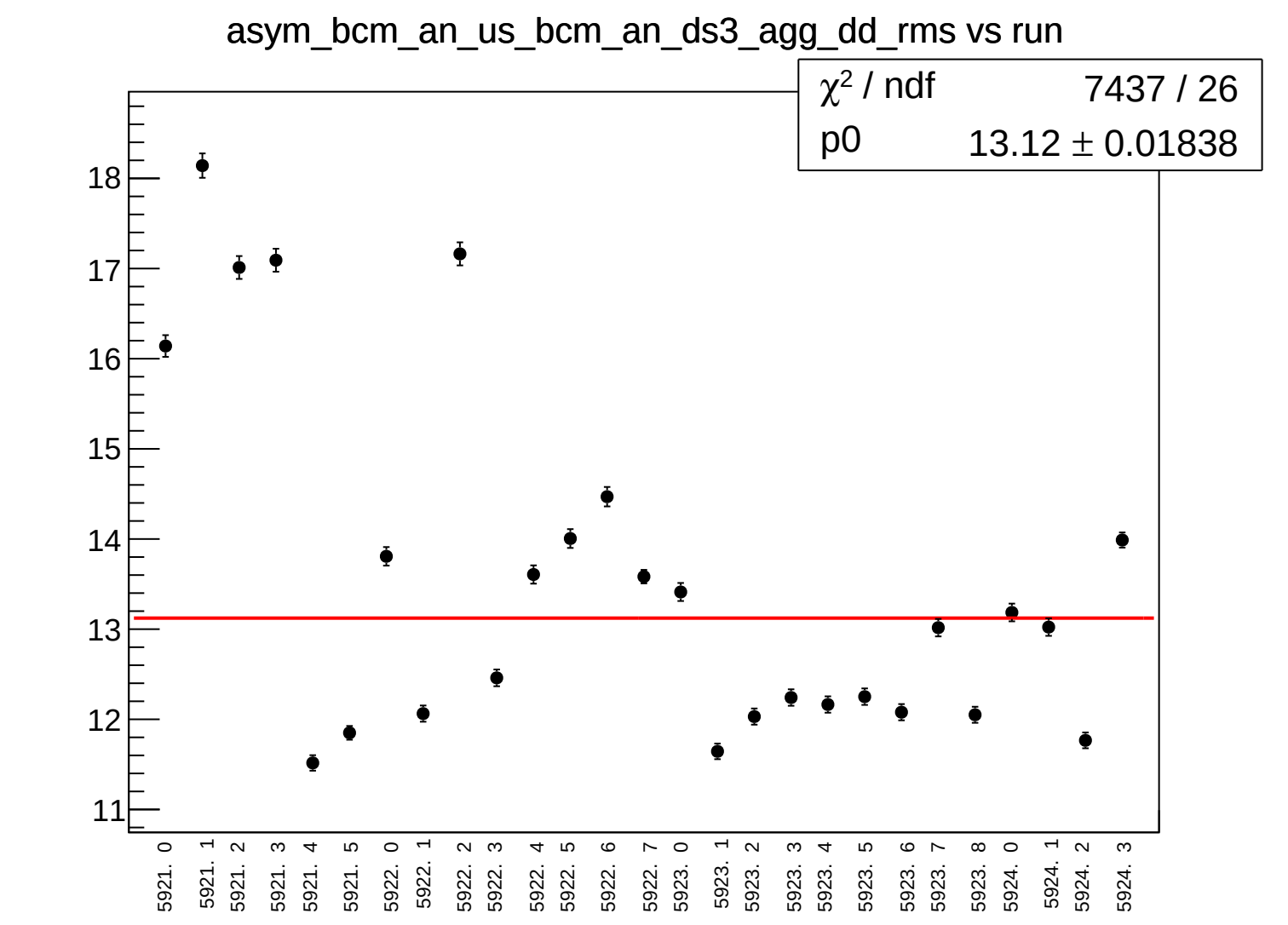

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 6672 / 26
p0 13.62 ± 0.01906
19
18
17
16
15
14
13
12
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

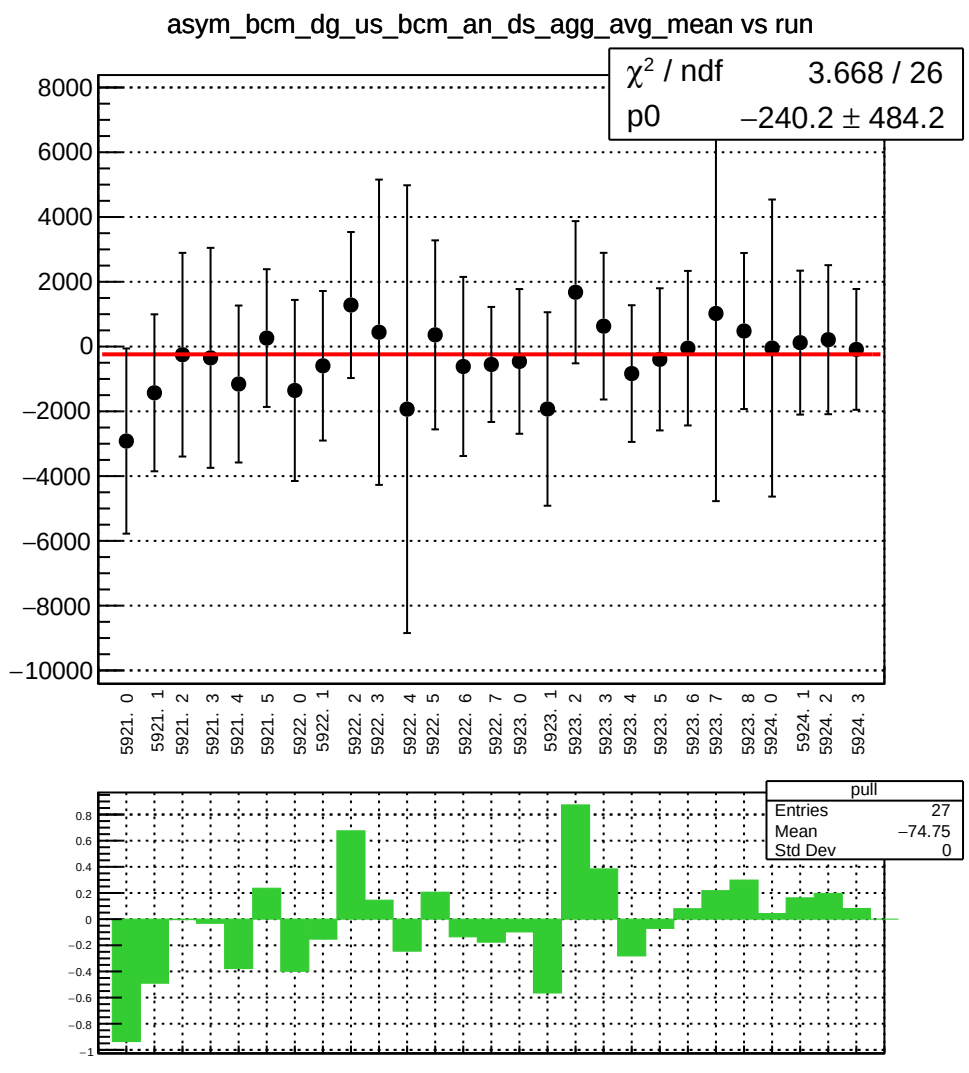

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs run
χ² / ndf 3.391 / 26
p0 −141.1 ± 476.1
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −67.46
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 27
Mean −0.01255
Std Dev 0.3542
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

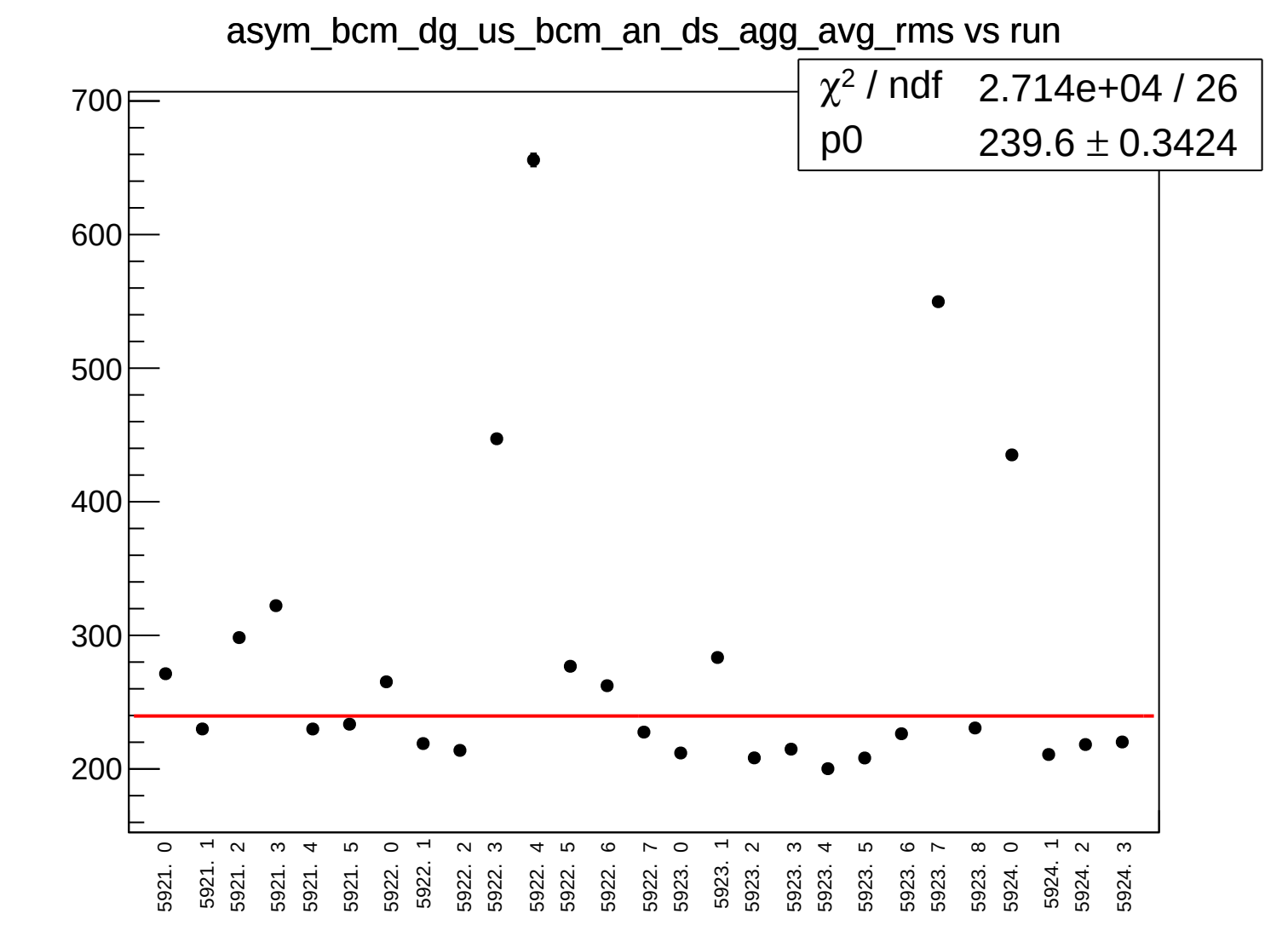

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs run
χ² / ndf 2.739e+04 / 26
p0 235.6 ± 0.3366
600
500
400
300
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

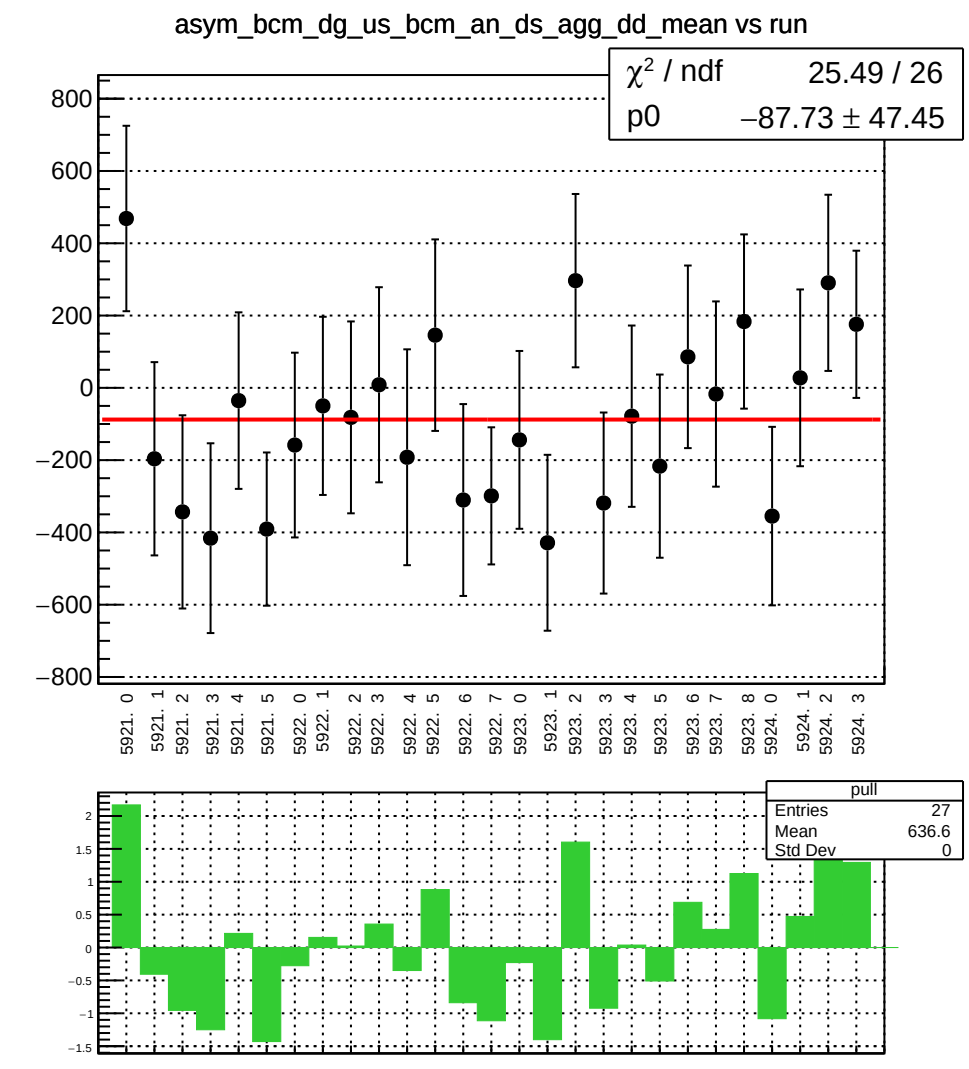

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs run
χ² / ndf 30.81 / 26
p0 22.67 ± 25.99
600
400
200
0
−200
−400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −5.154
Std Dev 9.842
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

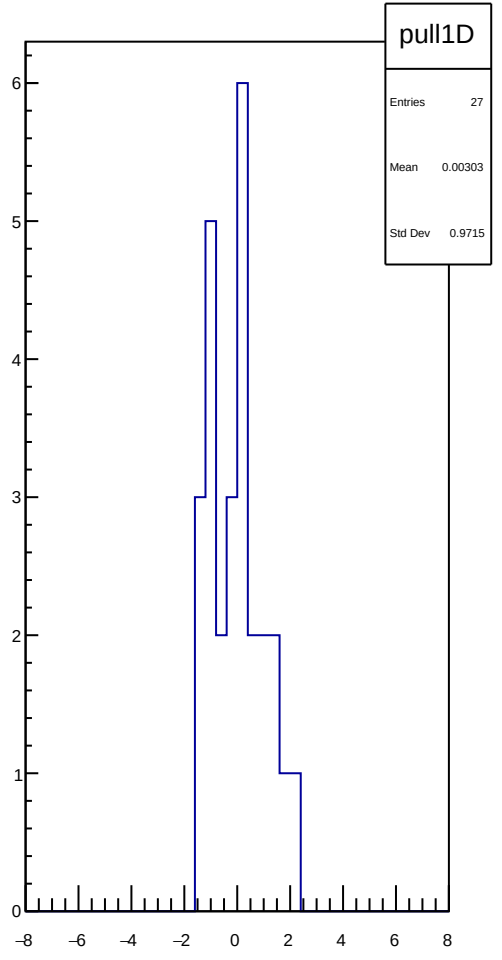

pull1D
Entries 27
Mean 0.02843
Std Dev 1.068
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

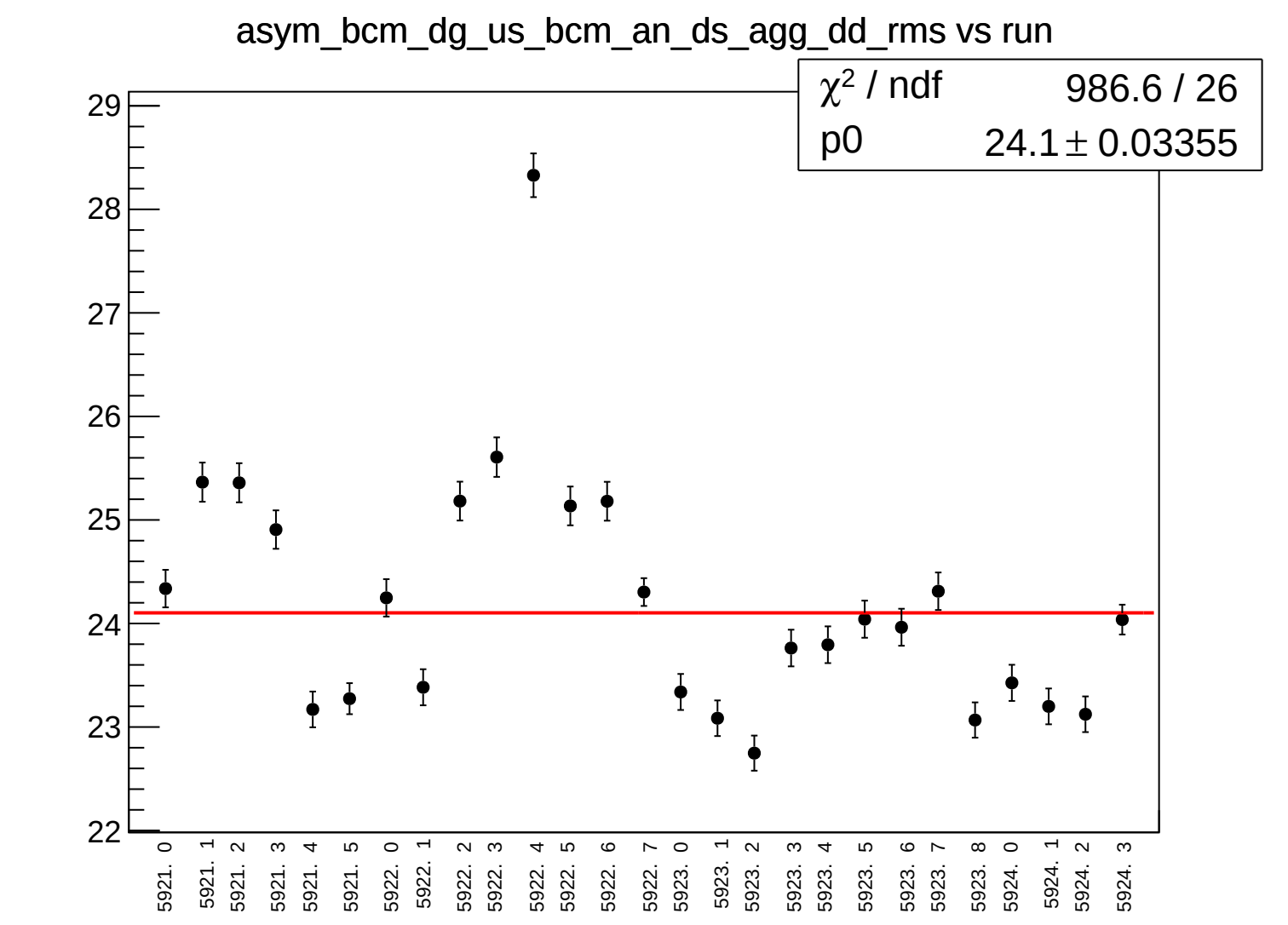

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs run
χ² / ndf 7437 / 26
p0 13.12 ± 0.01838
18
17
16
15
14
13
12
11
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

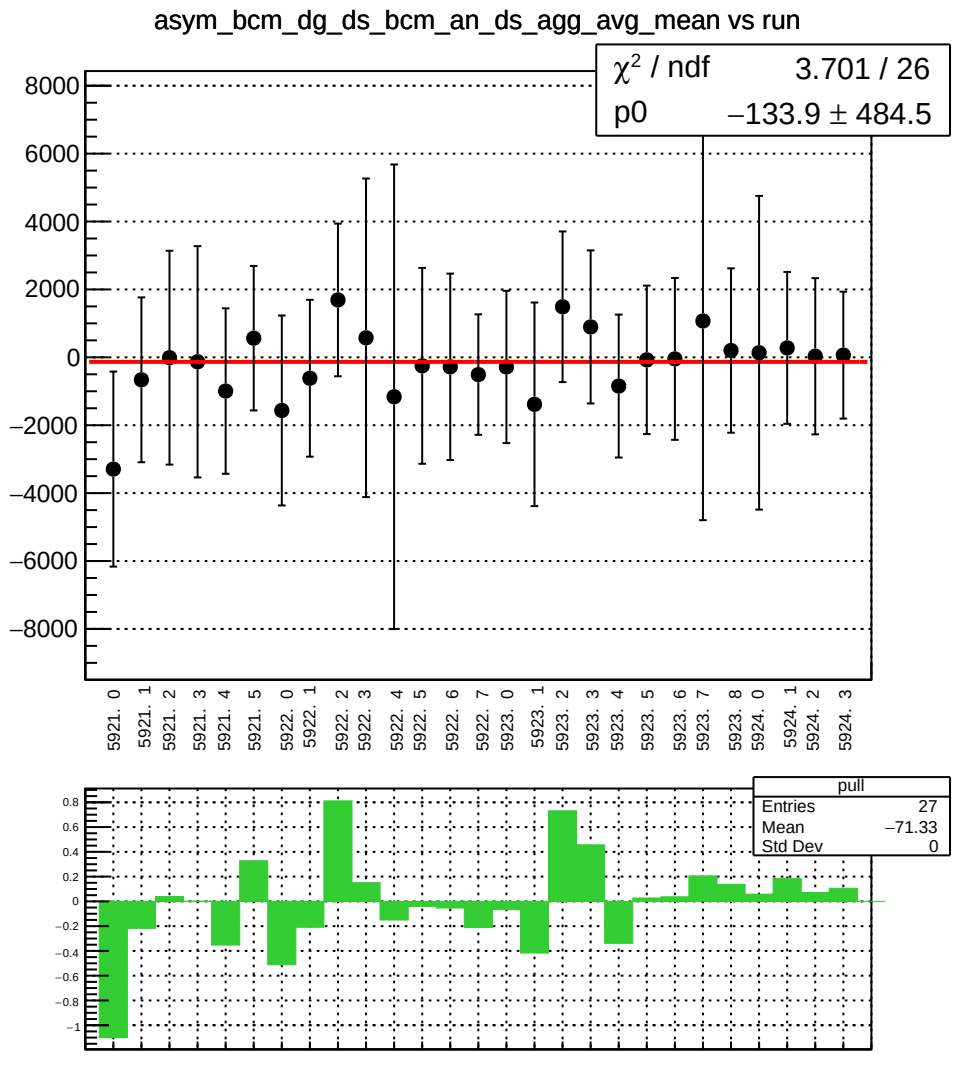

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 3.668 / 26
p0 −240.2 ± 484.2
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −74.75
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 27
Mean −0.01337
Std Dev 0.3683
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

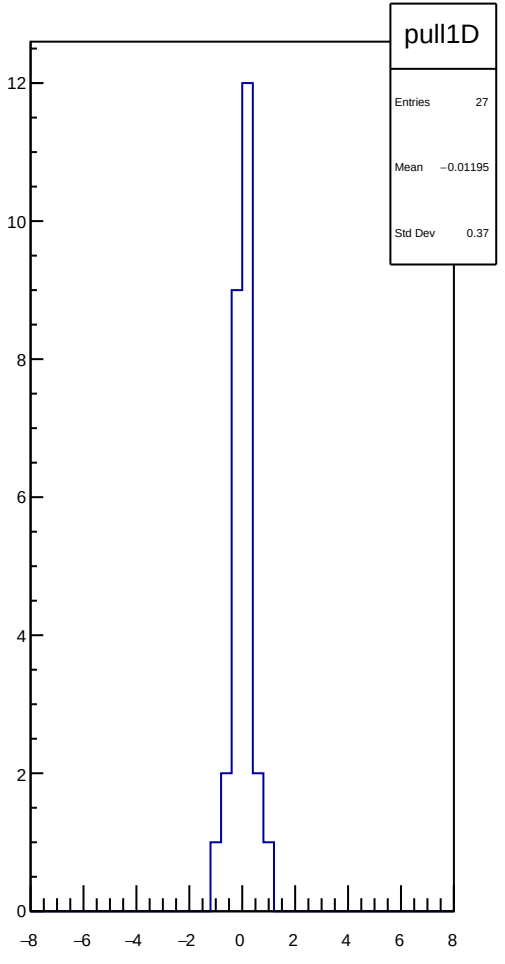

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 2.714e+04 / 26
p0 239.6 ± 0.3424
700
600
500
400
300
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

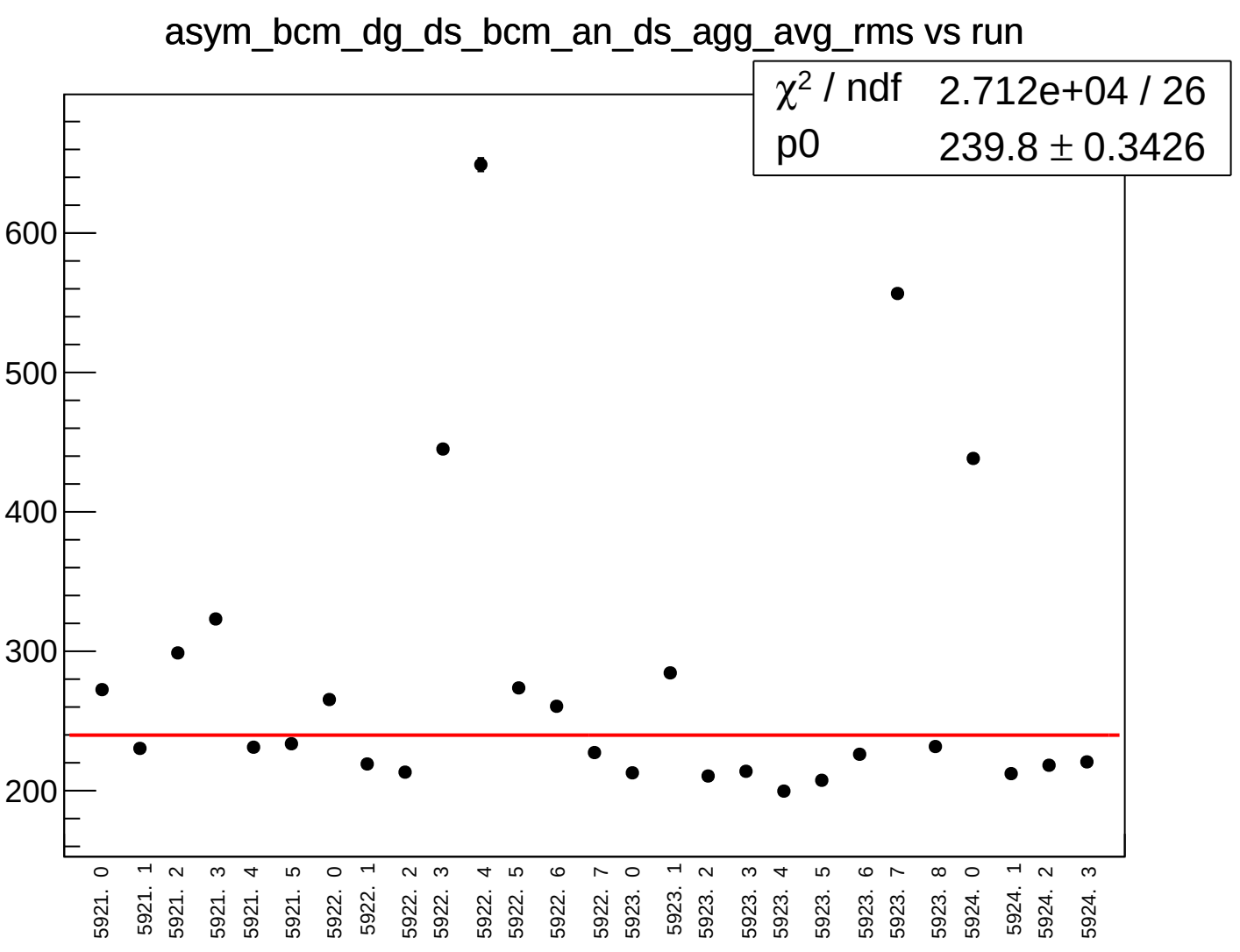

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 25.49 / 26
p0 −87.73 ± 47.45
800
600
400
200
0
−200
−400
−600
−800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 636.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

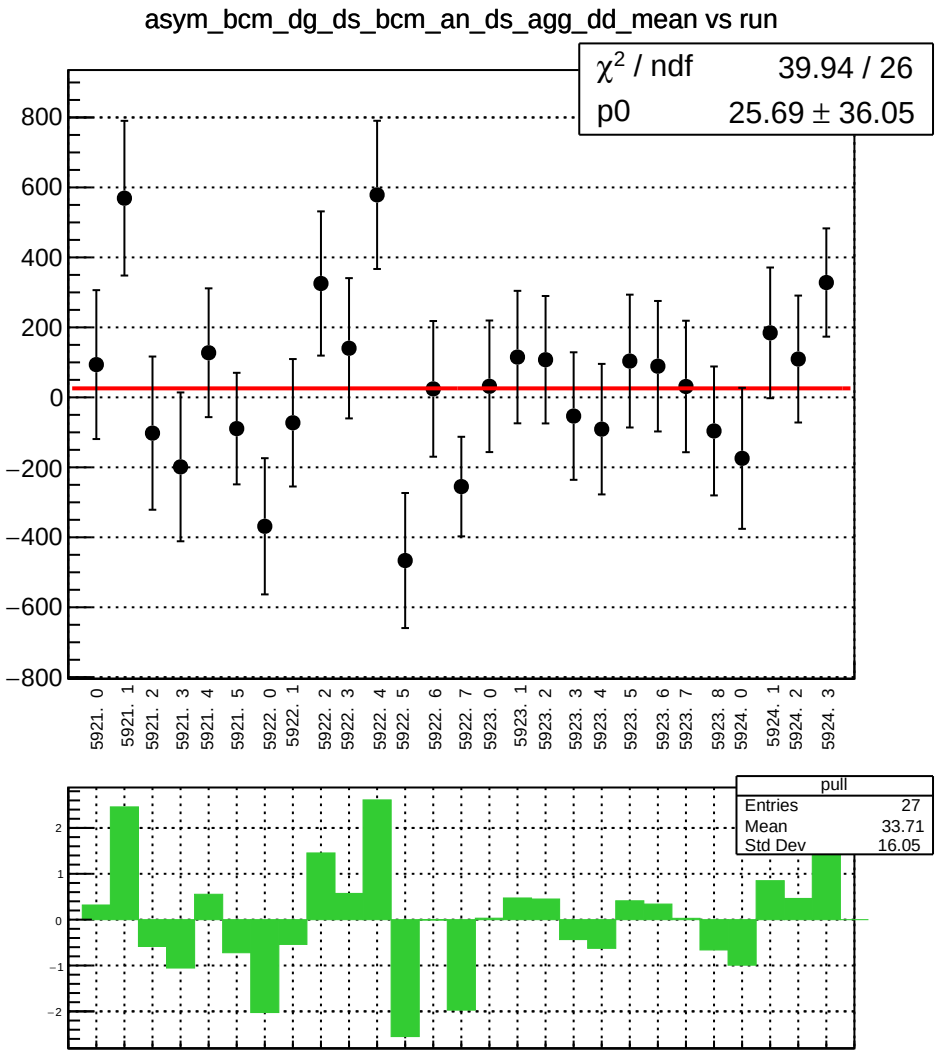

pull1D
Entries 27
Mean 0.00303
Std Dev 0.9715
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

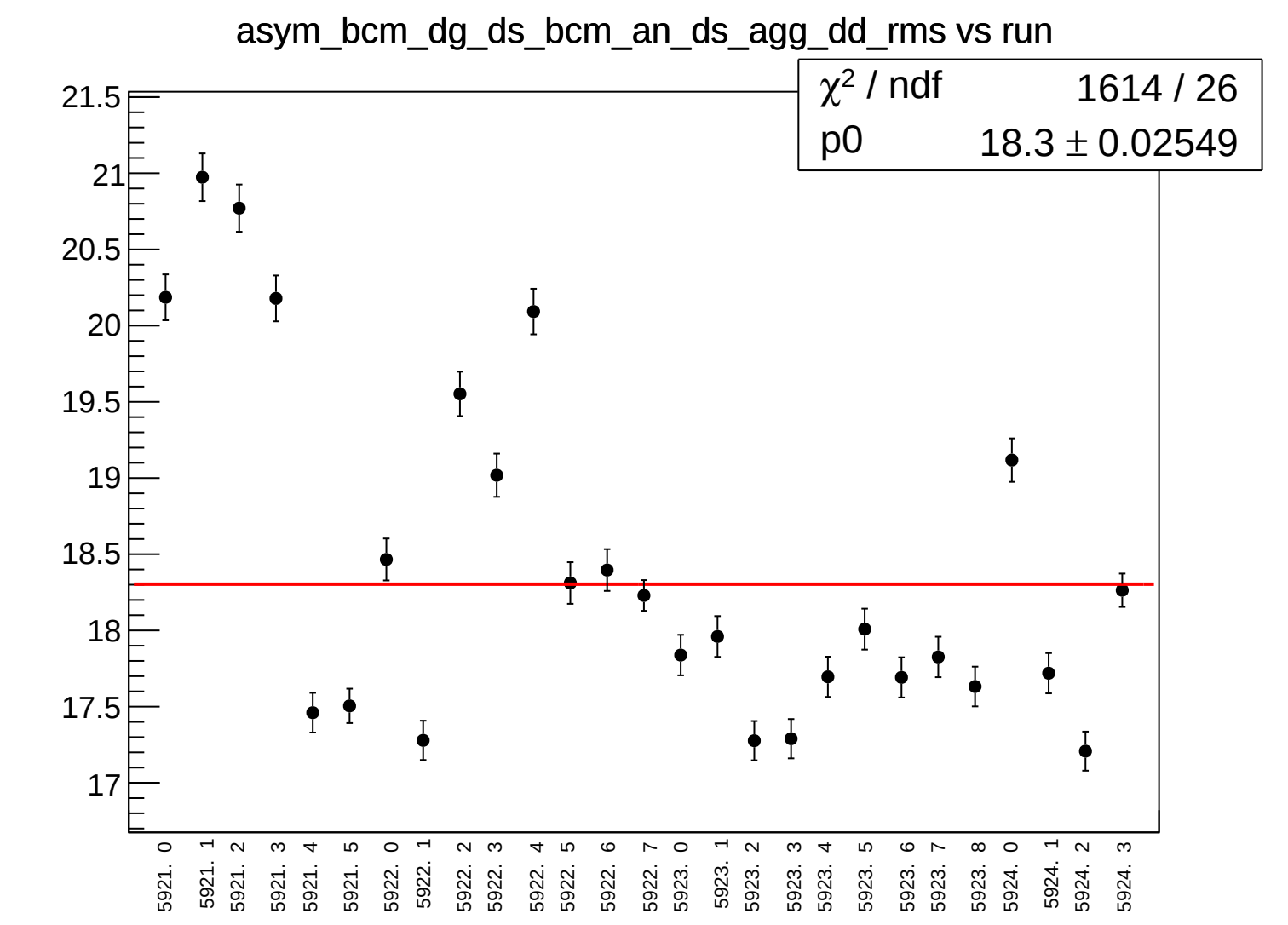

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 986.6 / 26
p0 24.1 ± 0.03355
29
28
27
26
25
24
23
22
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

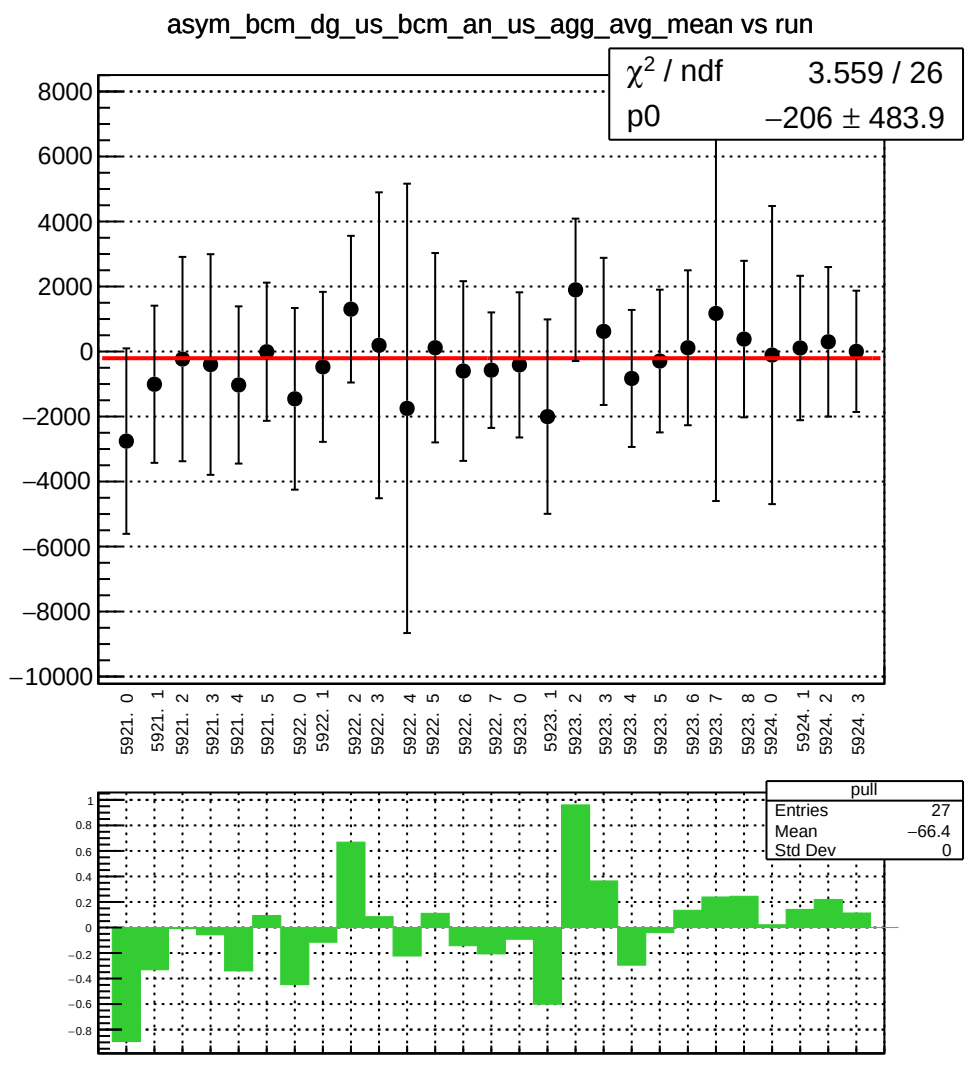

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 3.701 / 26
p0 −133.9 ± 484.5
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −71.33
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

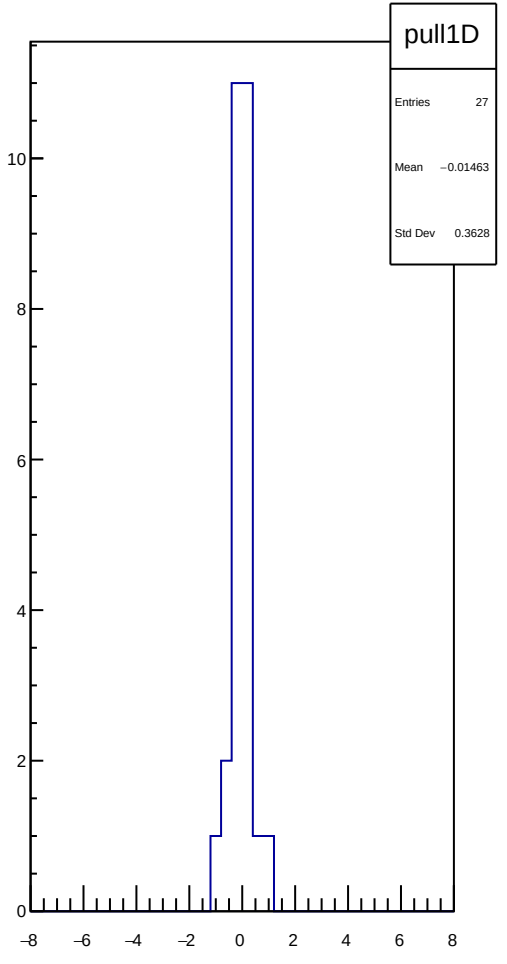

pull1D
Entries 27
Mean −0.01195
Std Dev 0.37
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

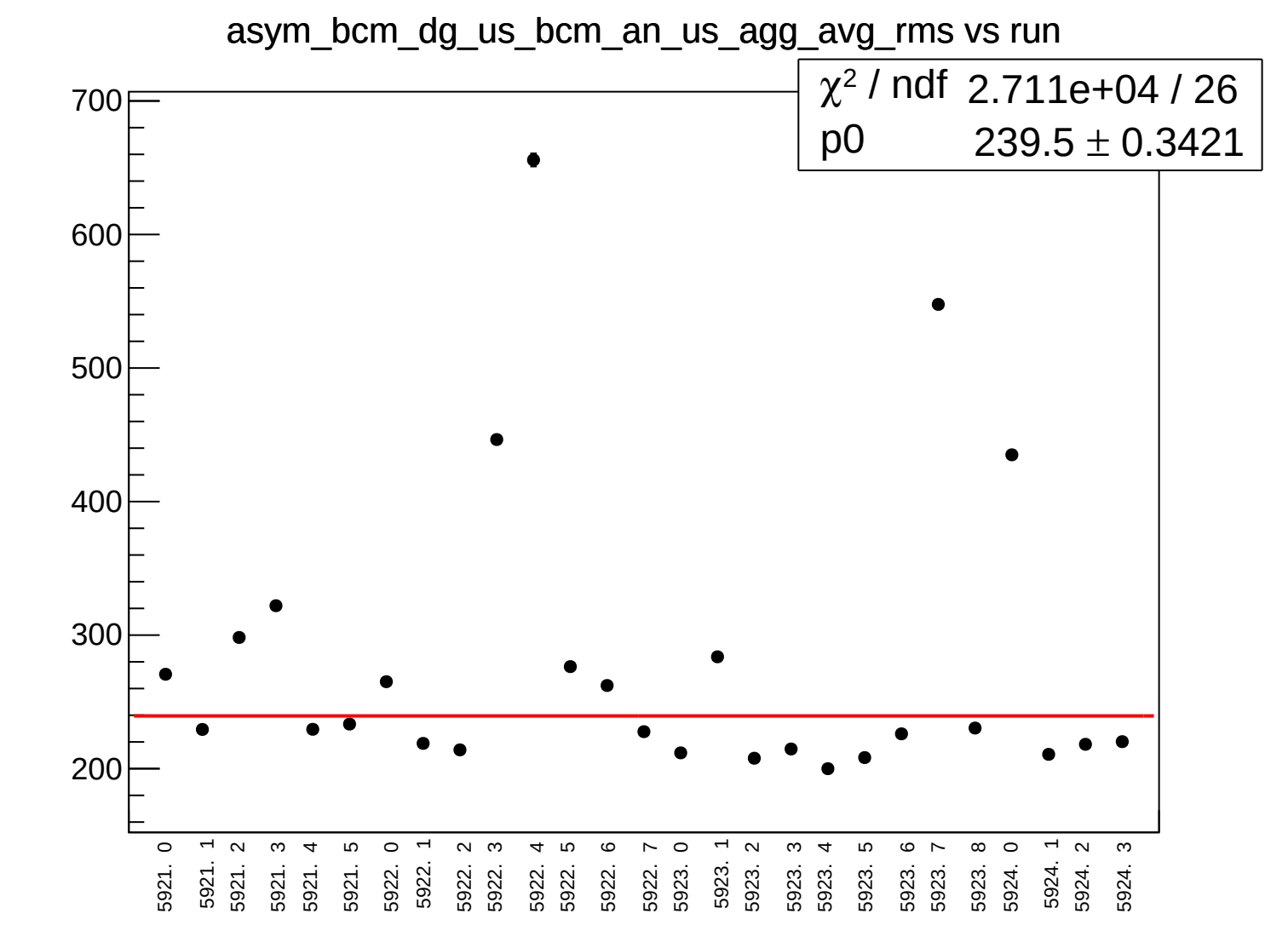

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 2.712e+04 / 26
p0 239.8 ± 0.3426
600
500
400
300
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

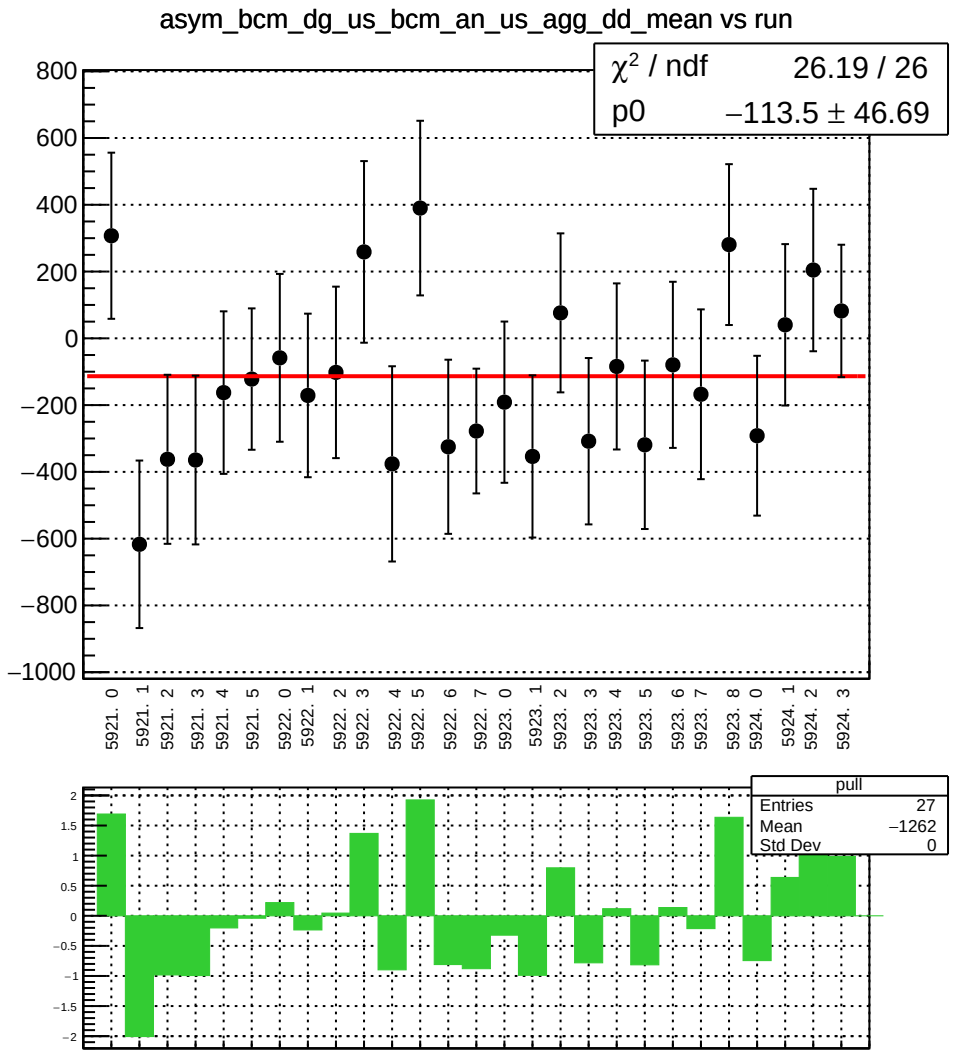

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 39.94 / 26
p0 25.69 ± 36.05
pull
Entries 27
Mean 33.71
Std Dev 16.05
pull1D
Entries 27
Mean 0.02971
Std Dev 1.216

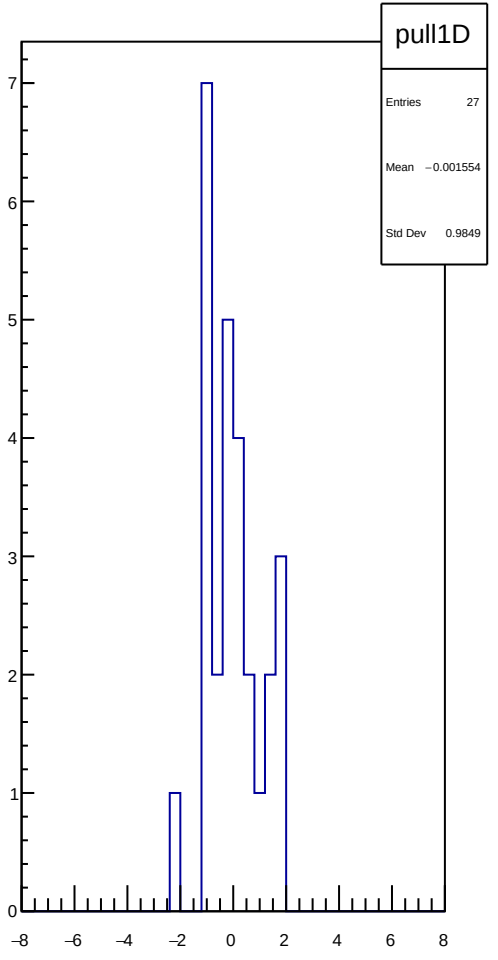

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 1614 / 26
p0 18.3 ± 0.02549
21.5
21
20.5
20
19.5
19
18.5
18
17.5
17
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

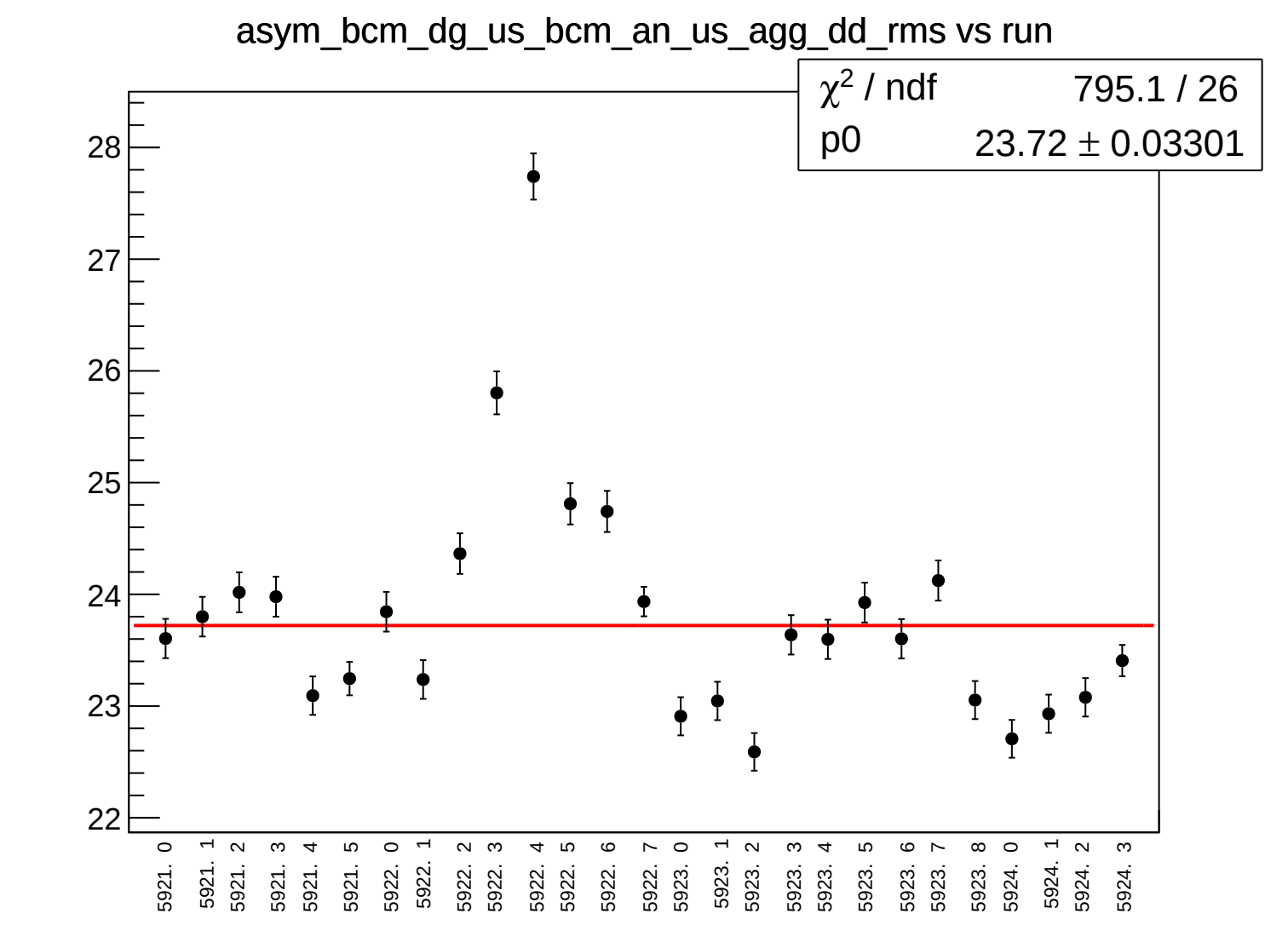

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs run
χ² / ndf 3.559 / 26
p0 −206 ± 483.9
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −66.4
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

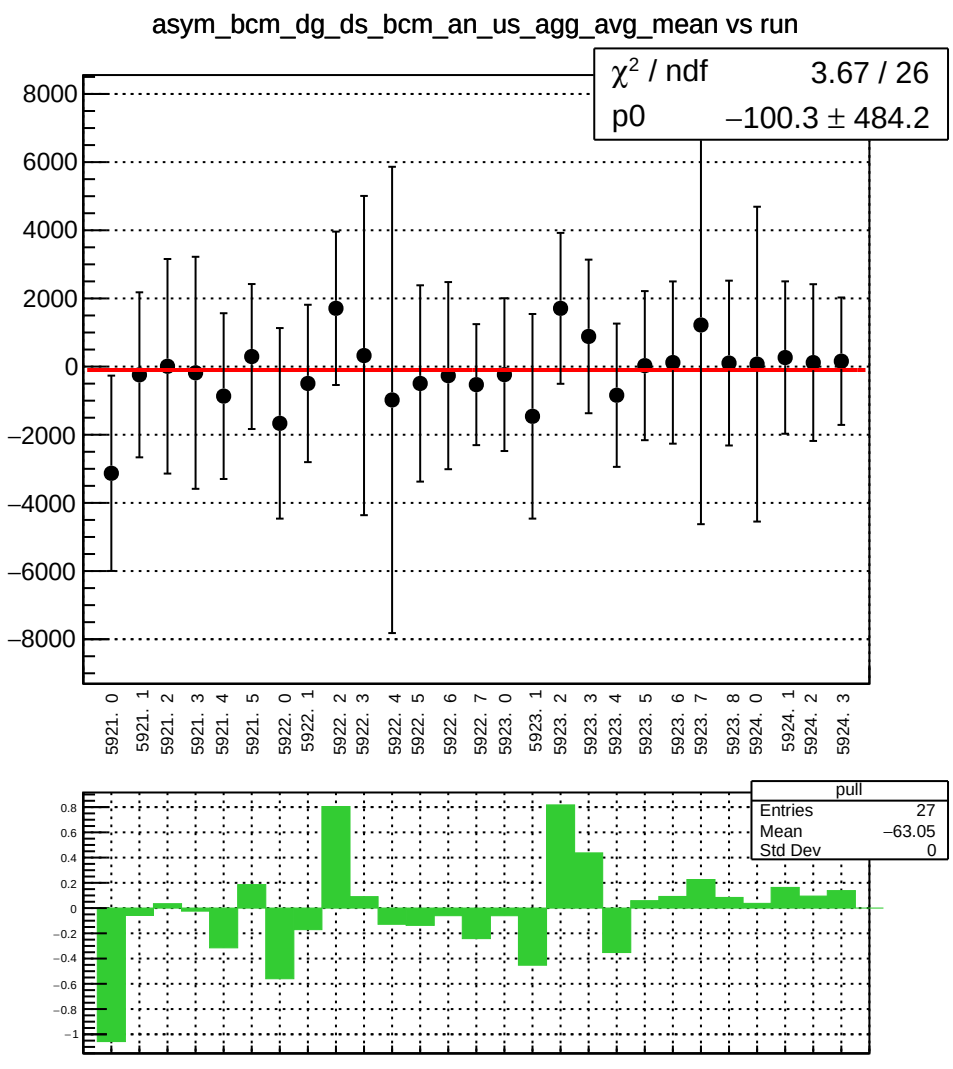

pull1D
Entries 27
Mean −0.01463
Std Dev 0.3628
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

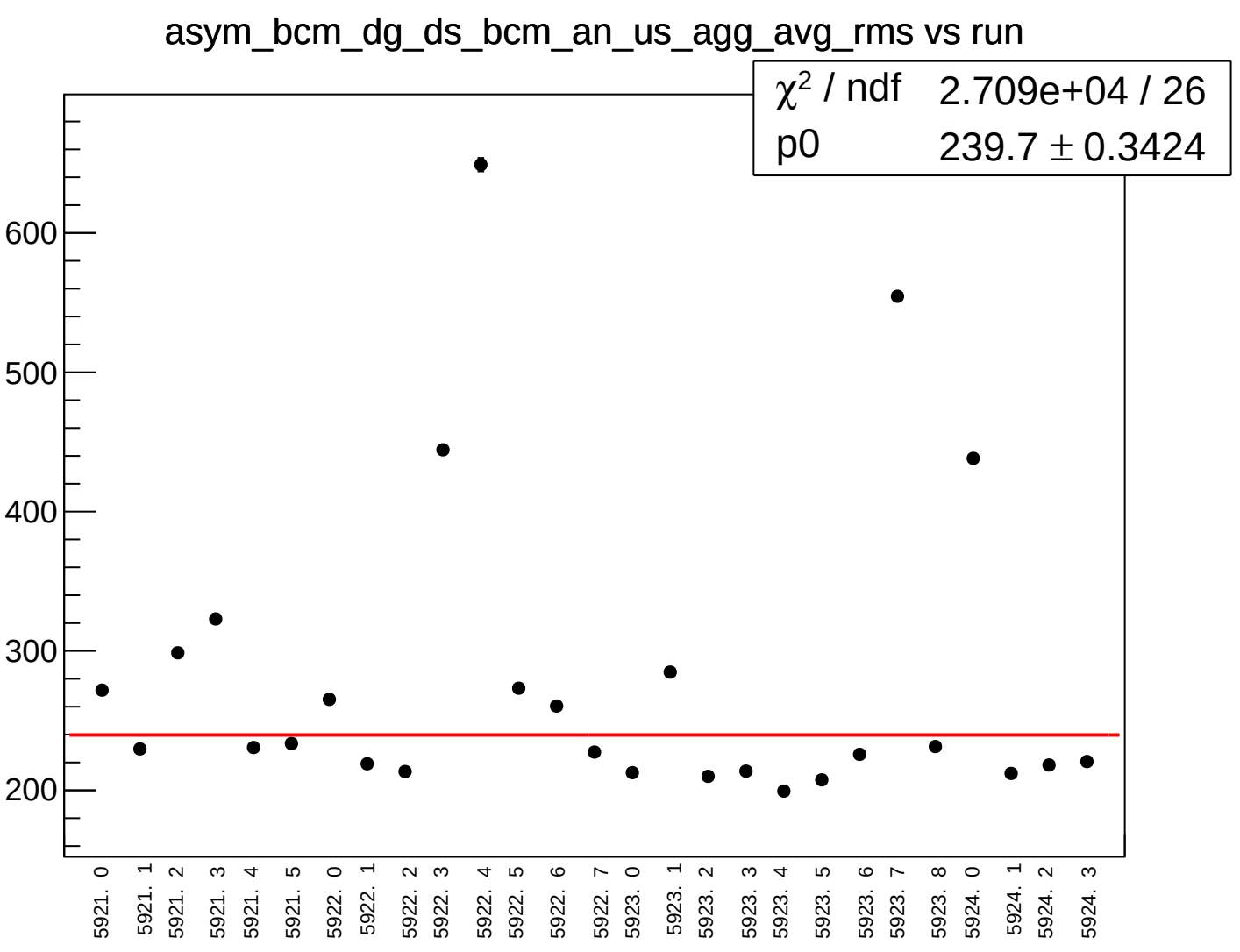

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs run
χ² / ndf 2.711e+04 / 26
p0 239.5 ± 0.3421
700
600
500
400
300
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

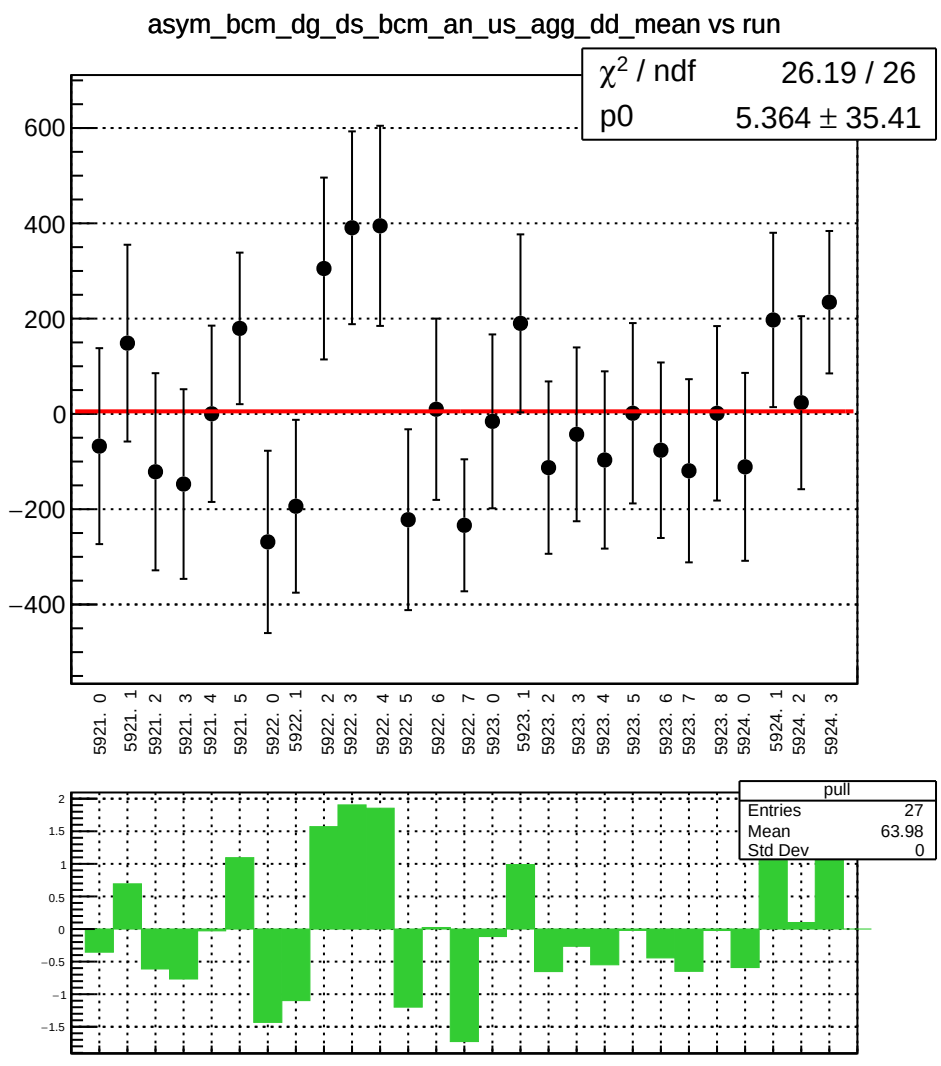

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs run
χ² / ndf 26.19 / 26
p0 −113.5 ± 46.69
800
600
400
200
0
−200
−400
−600
−800
−1000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −1262
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

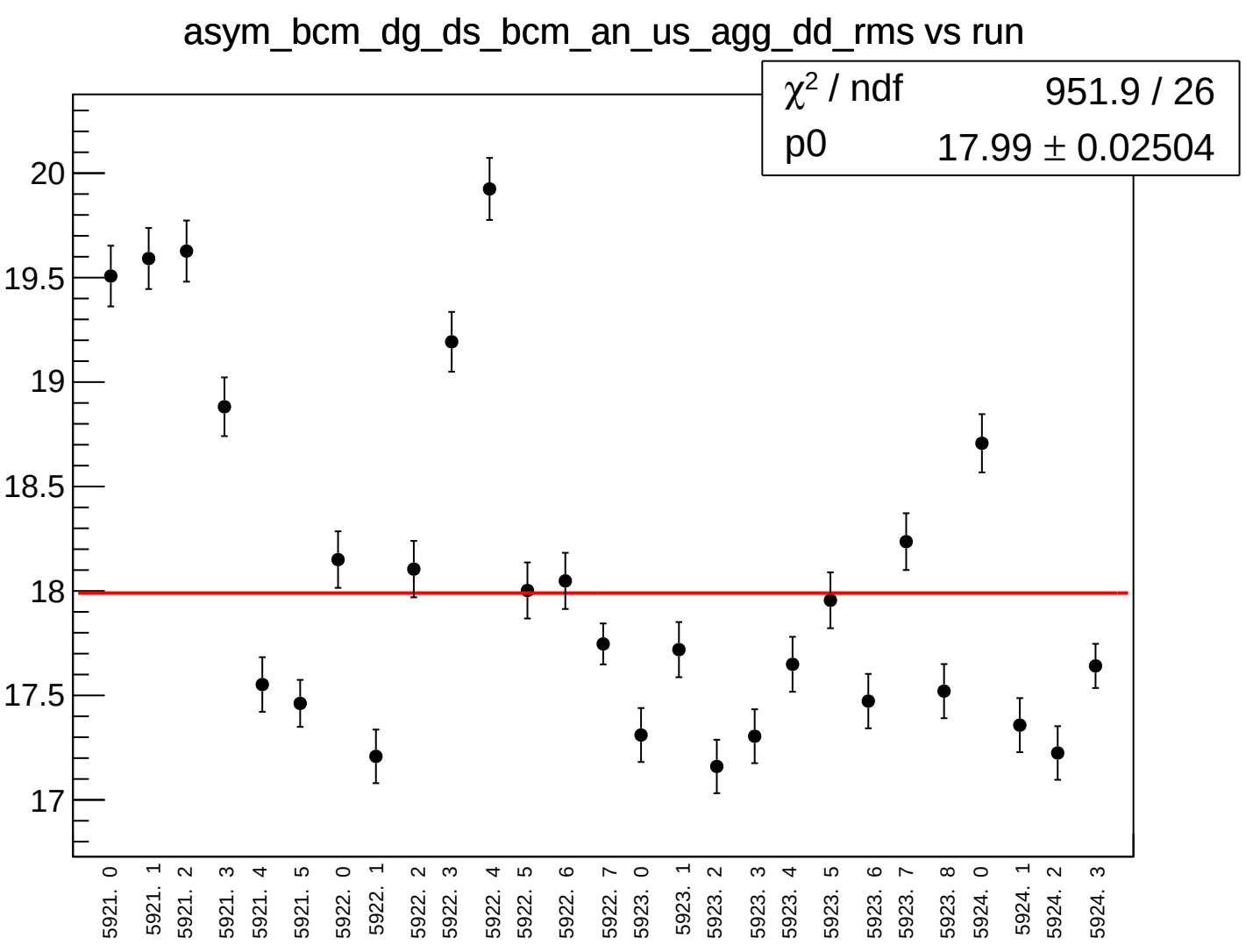

pull1D
Entries 27
Mean −0.001554
Std Dev 0.9849
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

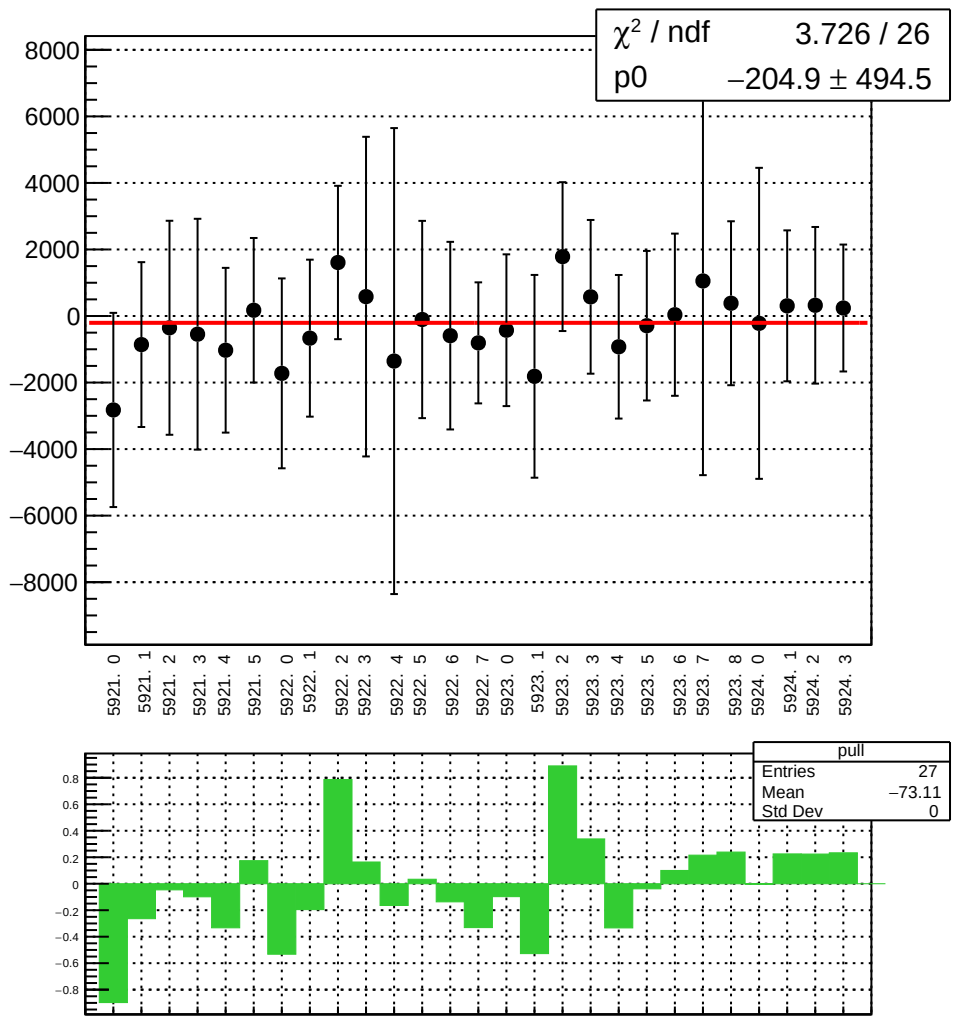

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs run
χ² / ndf 795.1 / 26
p0 23.72 ± 0.03301
28
27
26
25
24
23
22
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

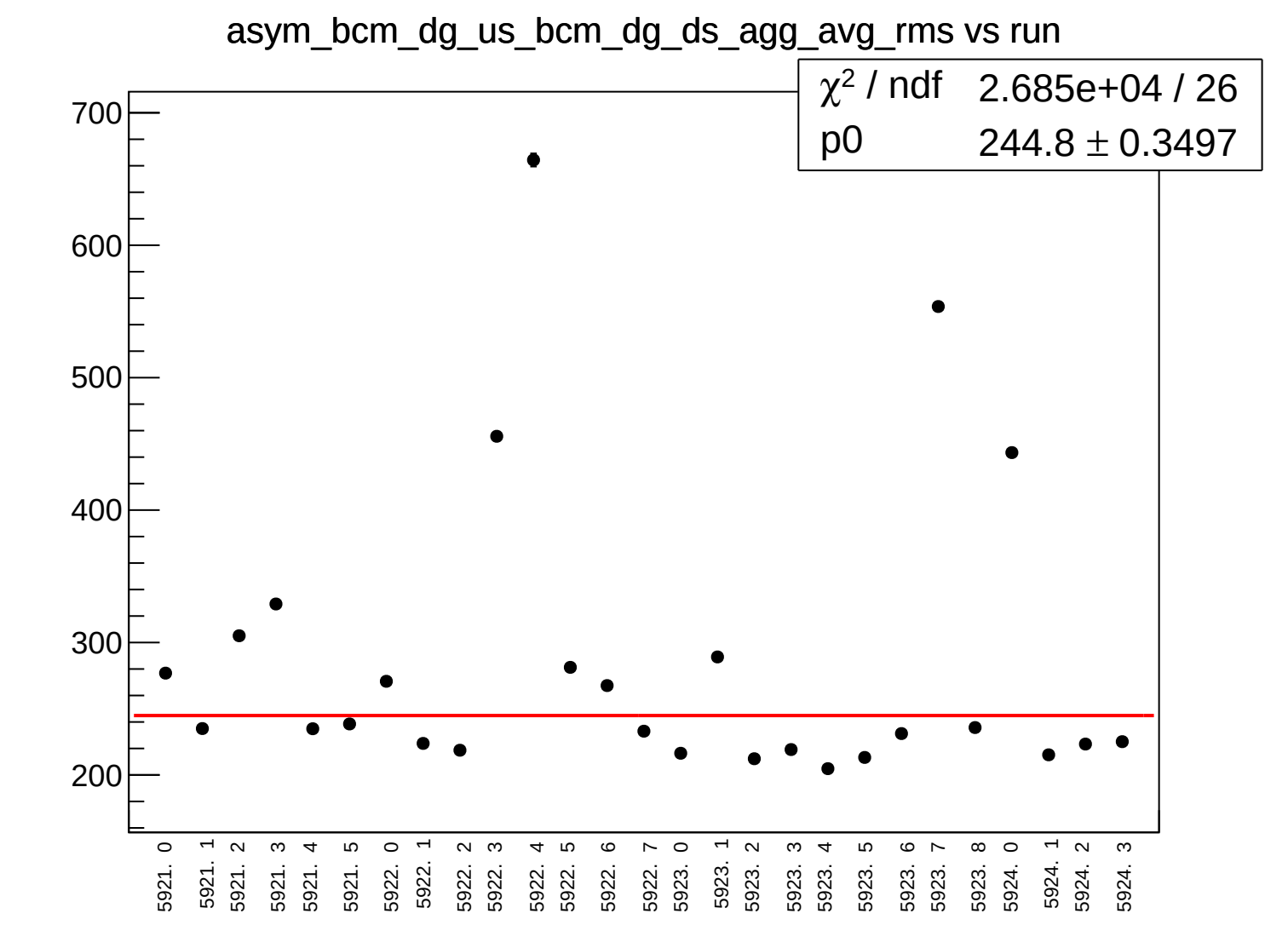

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs run
χ² / ndf 3.67 / 26
p0 −100.3 ± 484.2
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −63.05
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 27
Mean −0.0131
Std Dev 0.3684
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

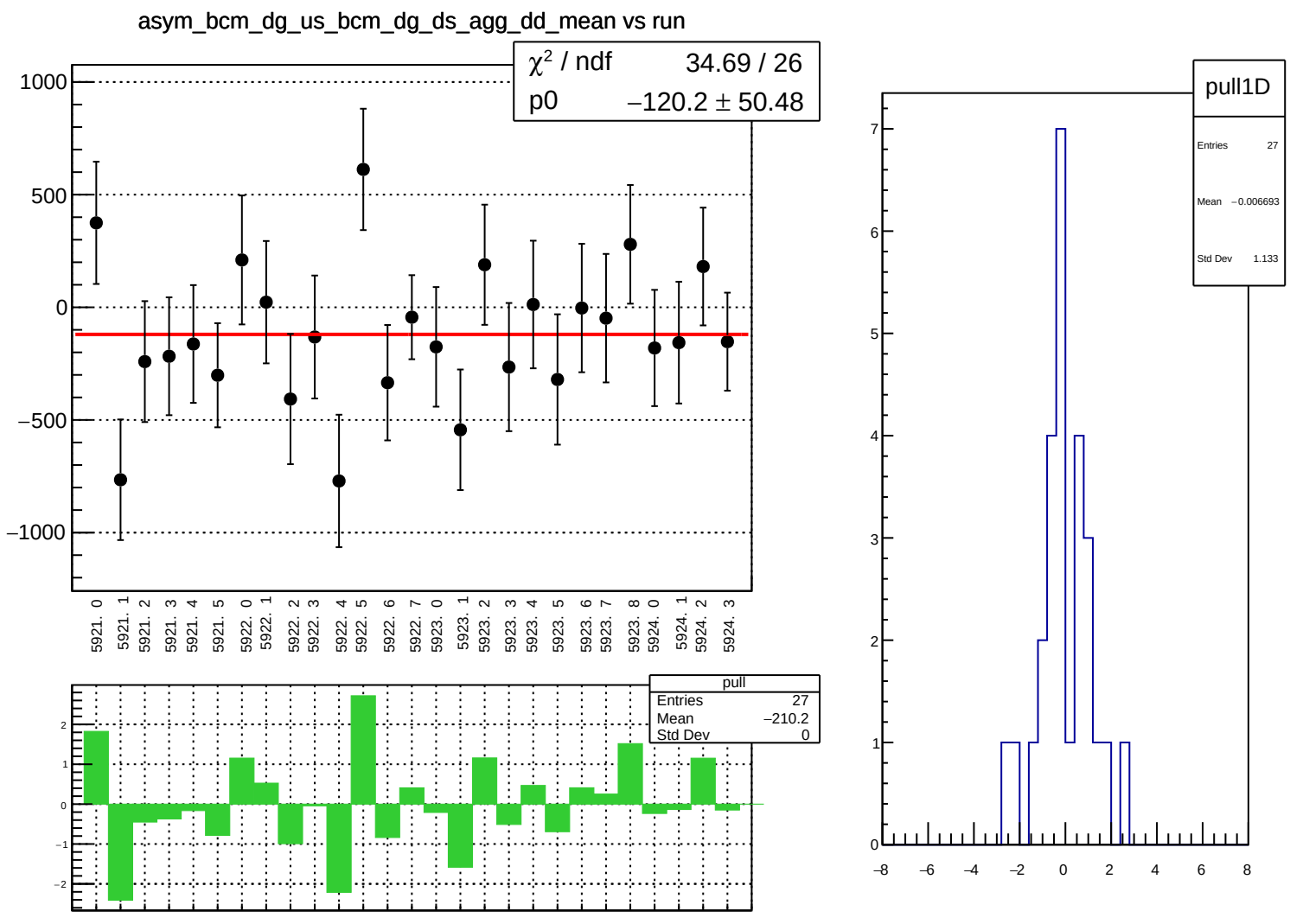

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs run
χ² / ndf 2.709e+04 / 26
p0 239.7 ± 0.3424
600
500
400
300
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

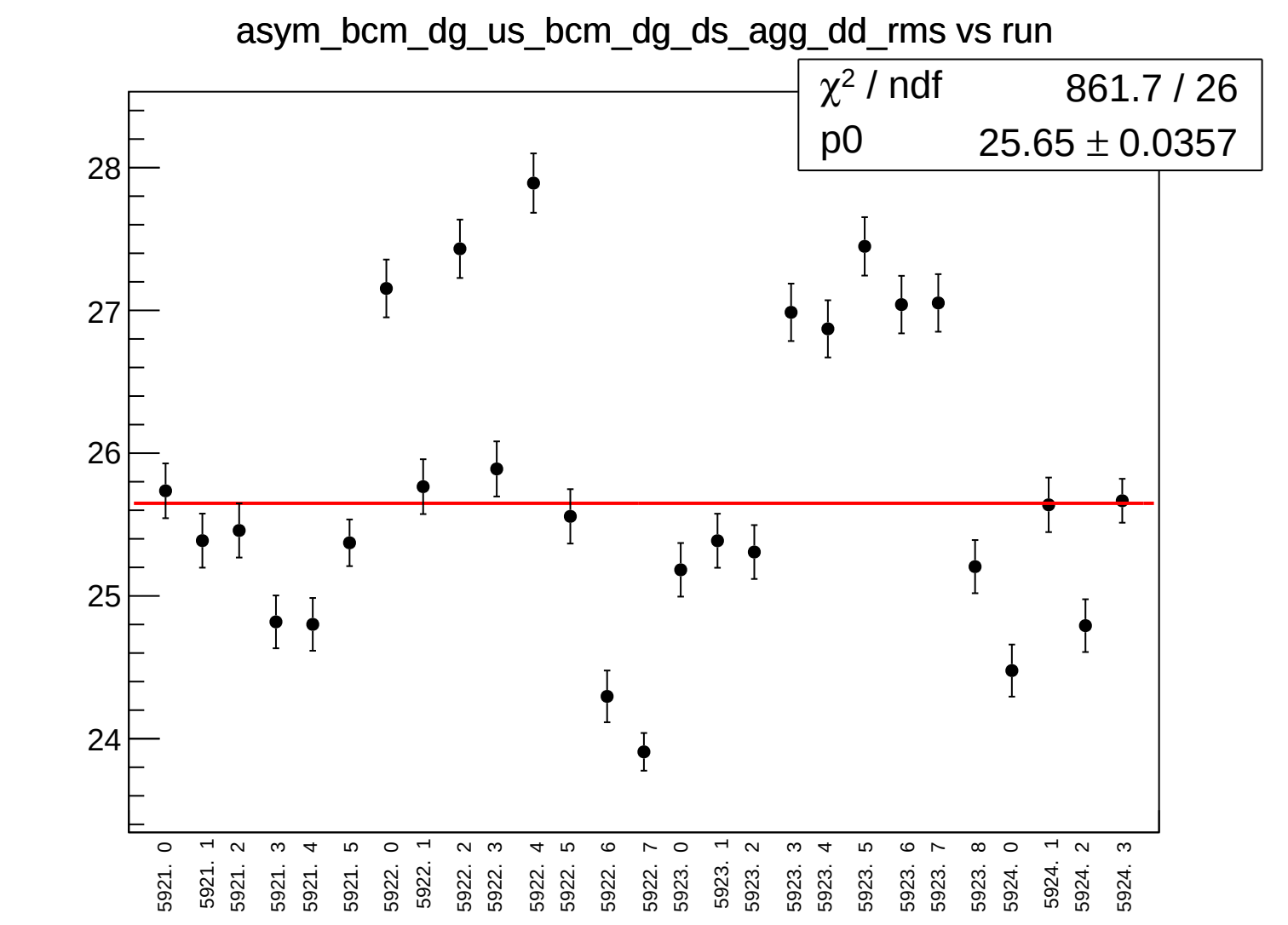

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs run
χ² / ndf 26.19 / 26
p0 5.364 ± 35.41
600
400
200
0
−200
−400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 63.98
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.01055
Std Dev 0.9848
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

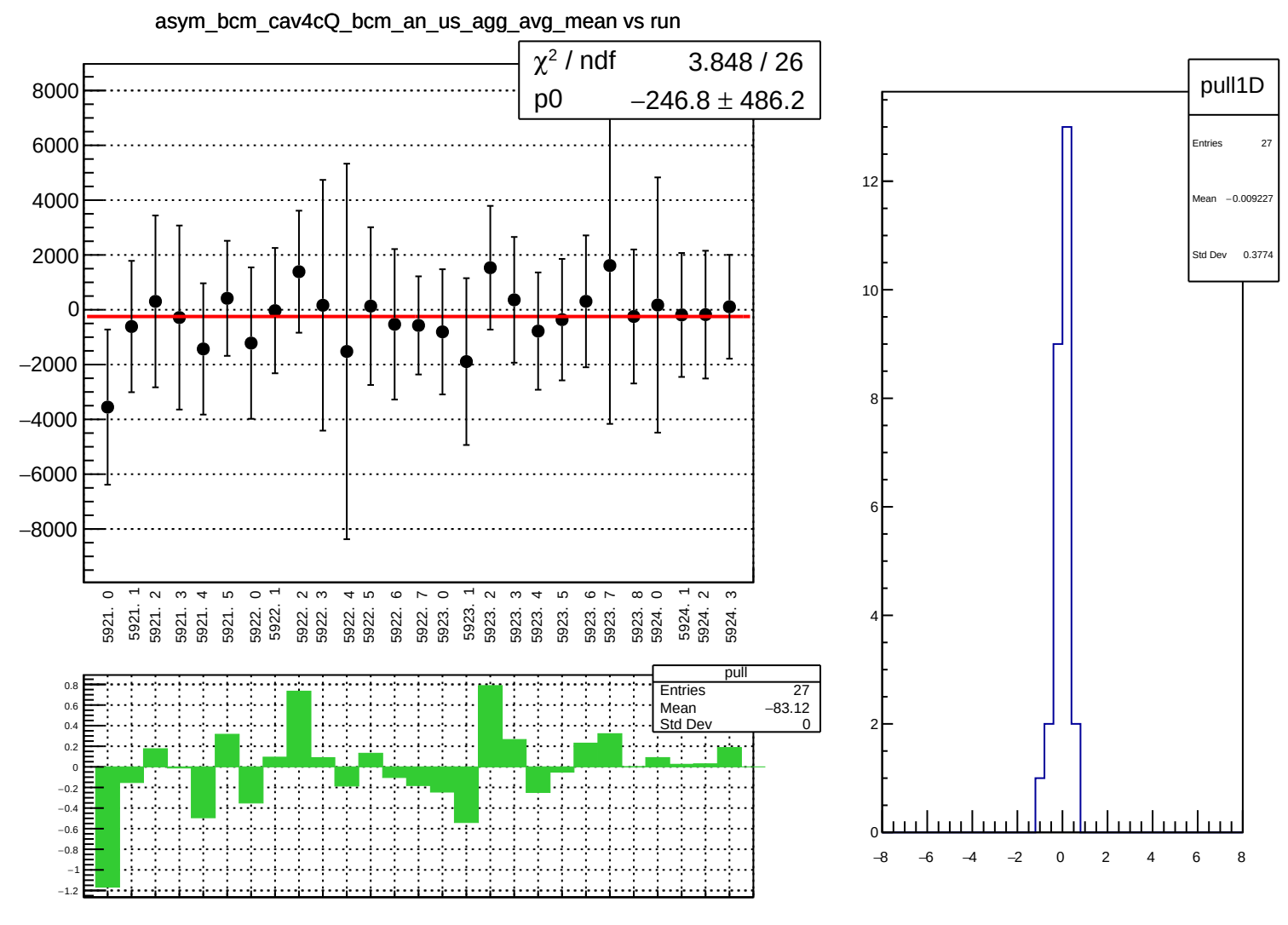

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs run
χ² / ndf 951.9 / 26
p0 17.99 ± 0.02504
20
19.5
19
18.5
18
17.5
17
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

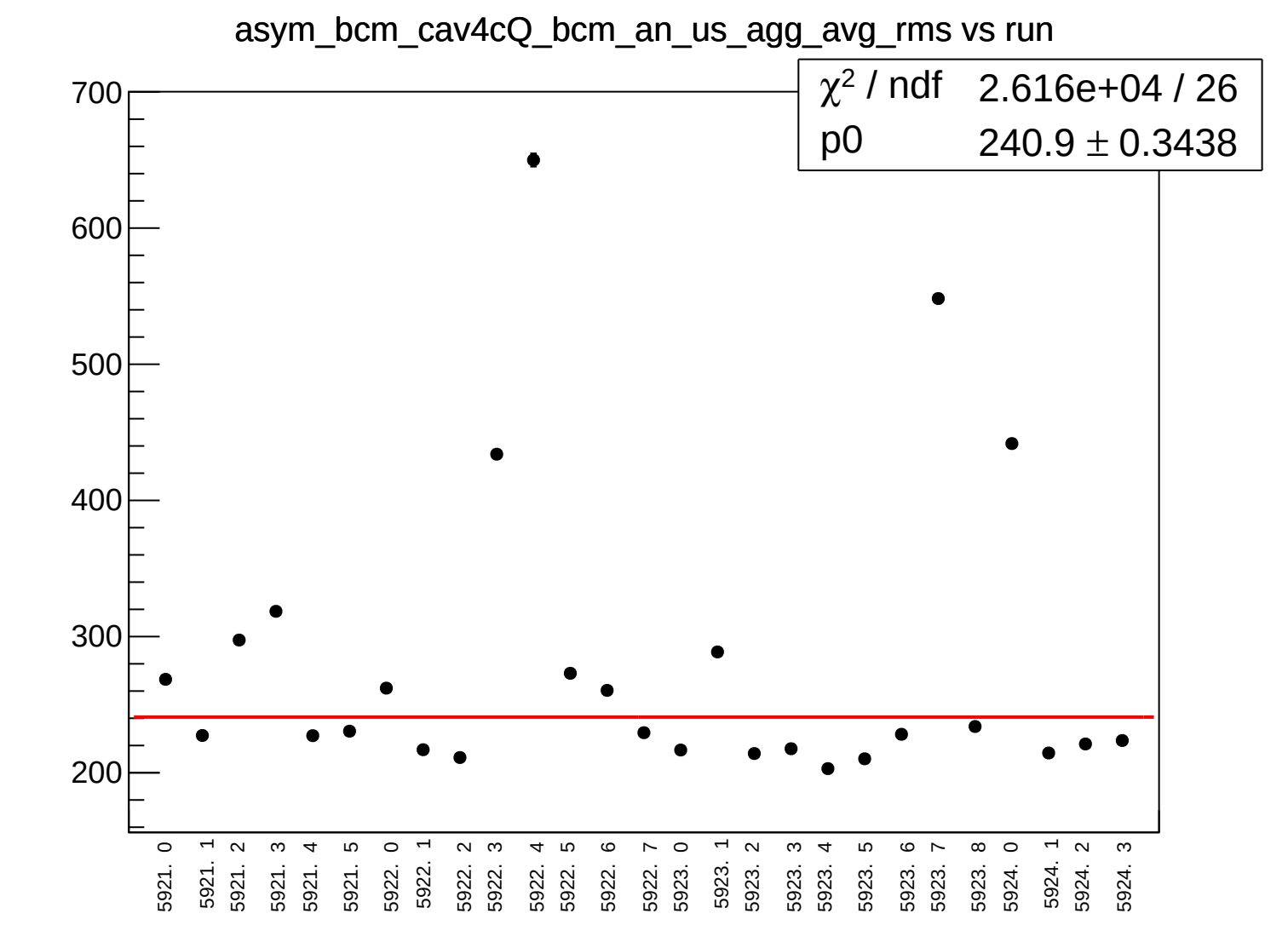

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 3.726 / 26
p0 −204.9 ± 494.5
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −73.11
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 27
Mean −0.0139
Std Dev 0.3712
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

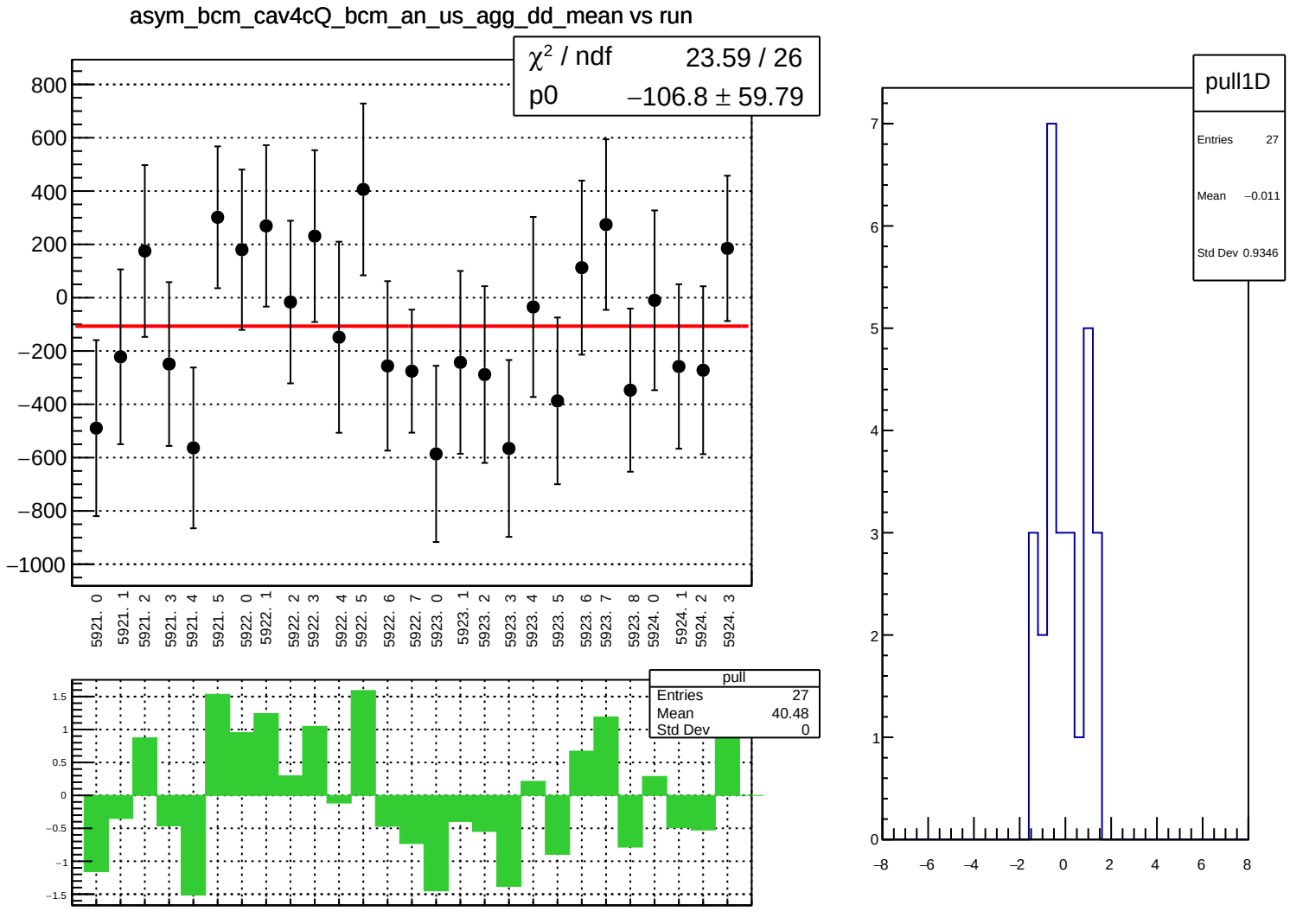

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 2.685e+04 / 26
p0 244.8 ± 0.3497
700
600
500
400
300
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

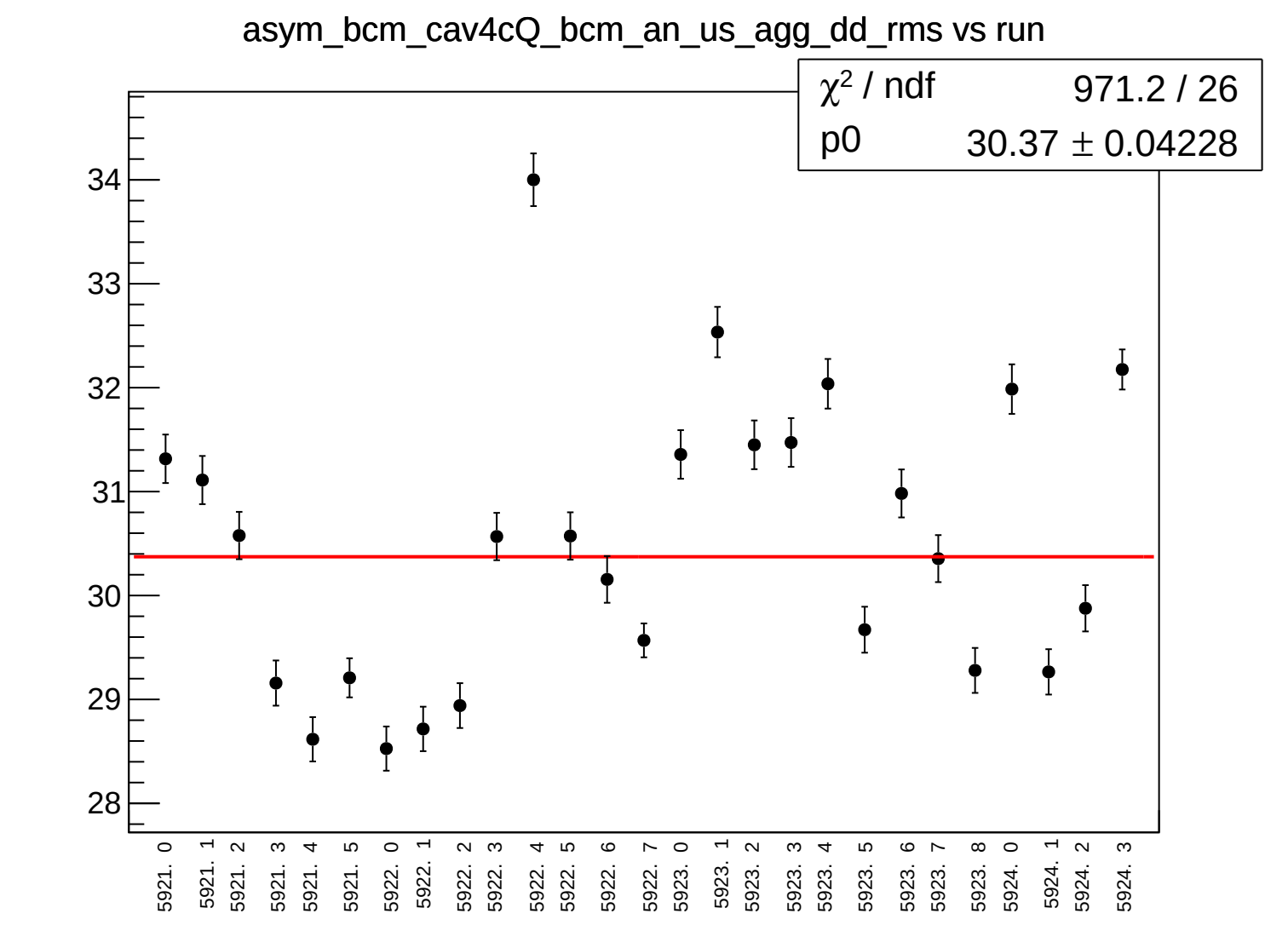

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 34.69 / 26
p0 −120.2 ± 50.48
1000
500
0
−500
−1000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −210.2
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean −0.006693
Std Dev 1.133
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

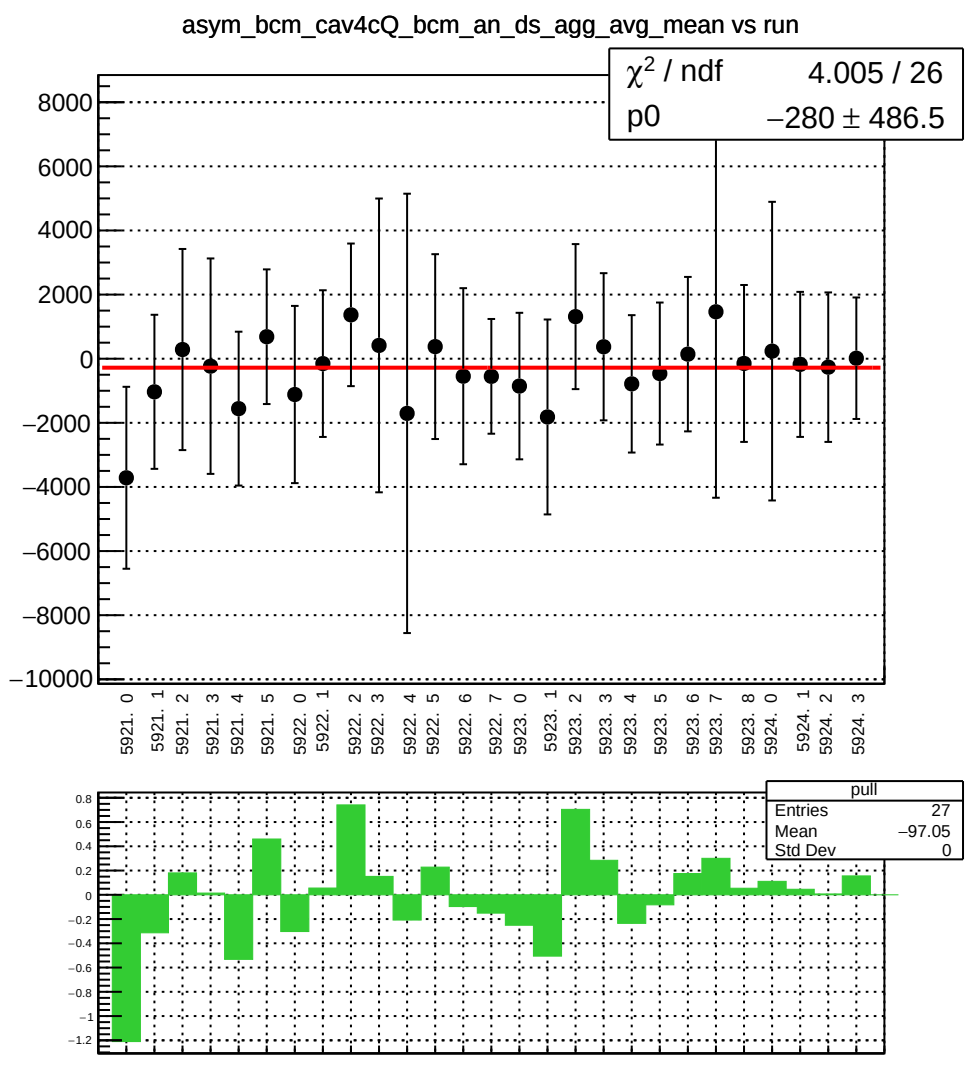

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 861.7 / 26
p0 25.65 ± 0.0357
28
27
26
25
24
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

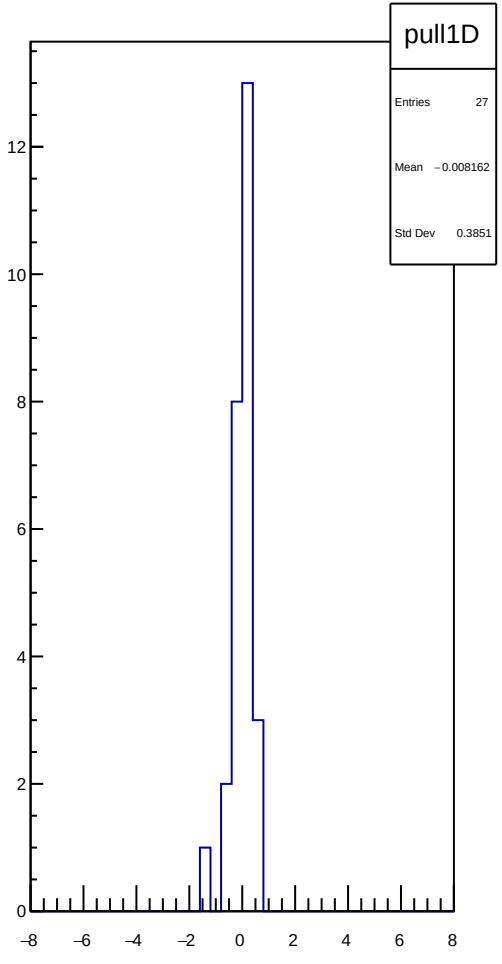

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs run
χ² / ndf 3.848 / 26
p0 −246.8 ± 486.2
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −83.12
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
pull1D
Entries 27
Mean −0.009227
Std Dev 0.3774
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

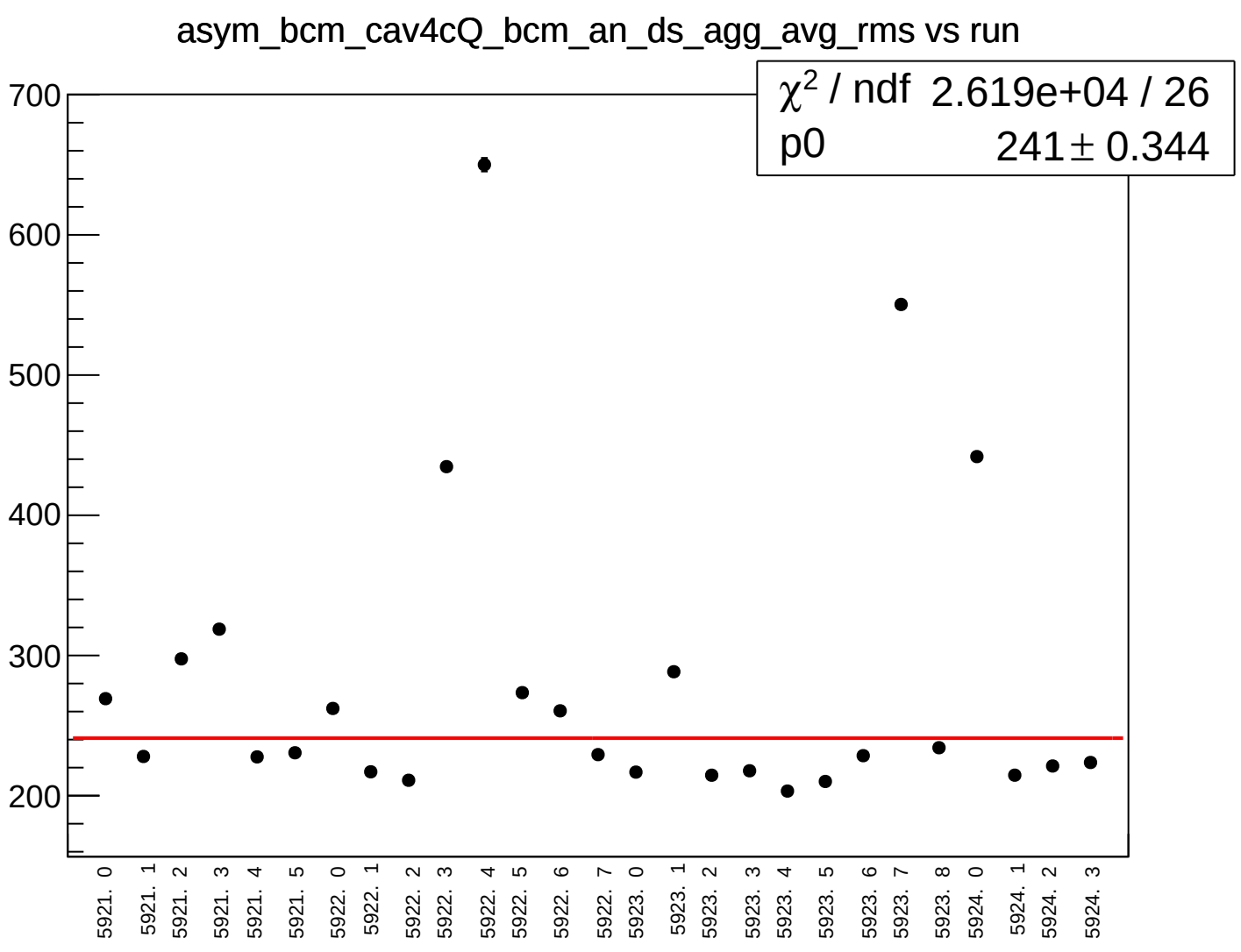

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs run
χ² / ndf 2.616e+04 / 26
p0 240.9 ± 0.3438
700
600
500
400
300
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

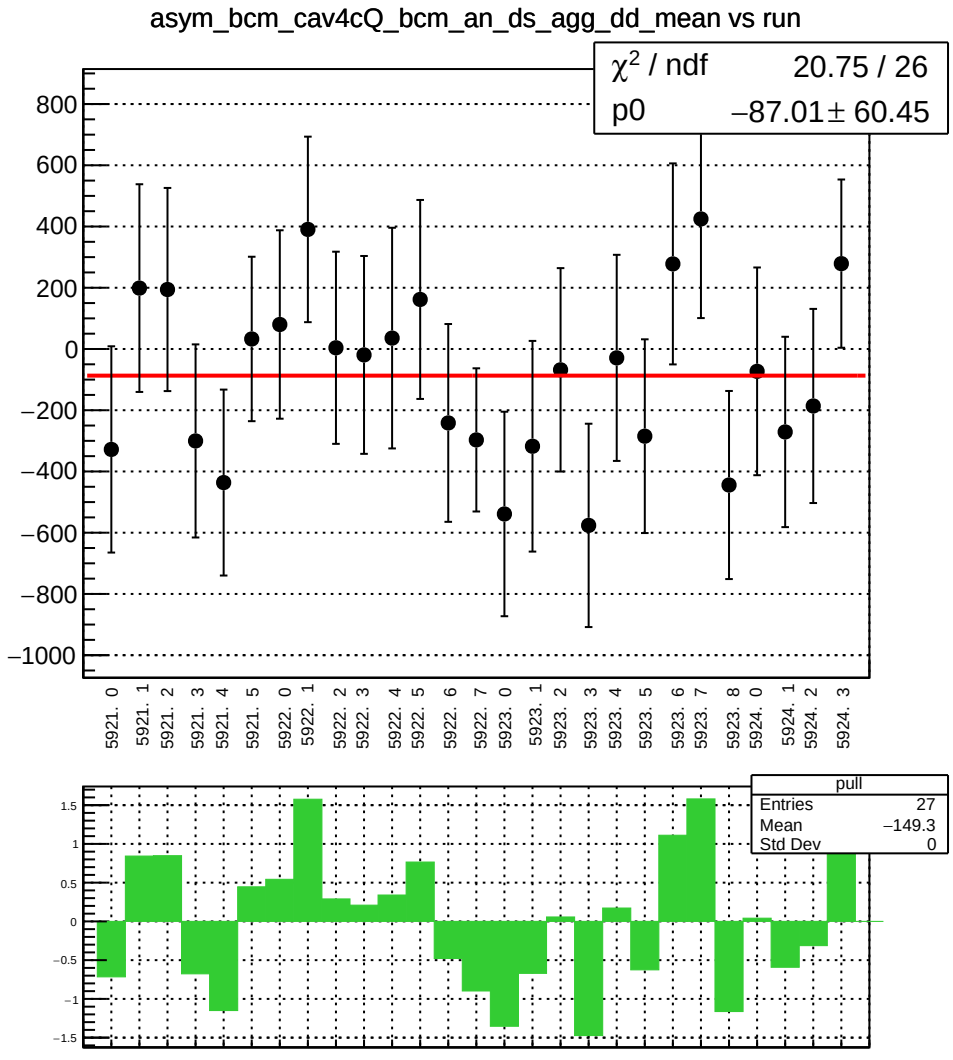

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs run
χ² / ndf 23.59 / 26
p0 −106.8 ± 59.79
800
600
400
200
0
−200
−400
−600
−800
−1000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 40.48
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.011
Std Dev 0.9346
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

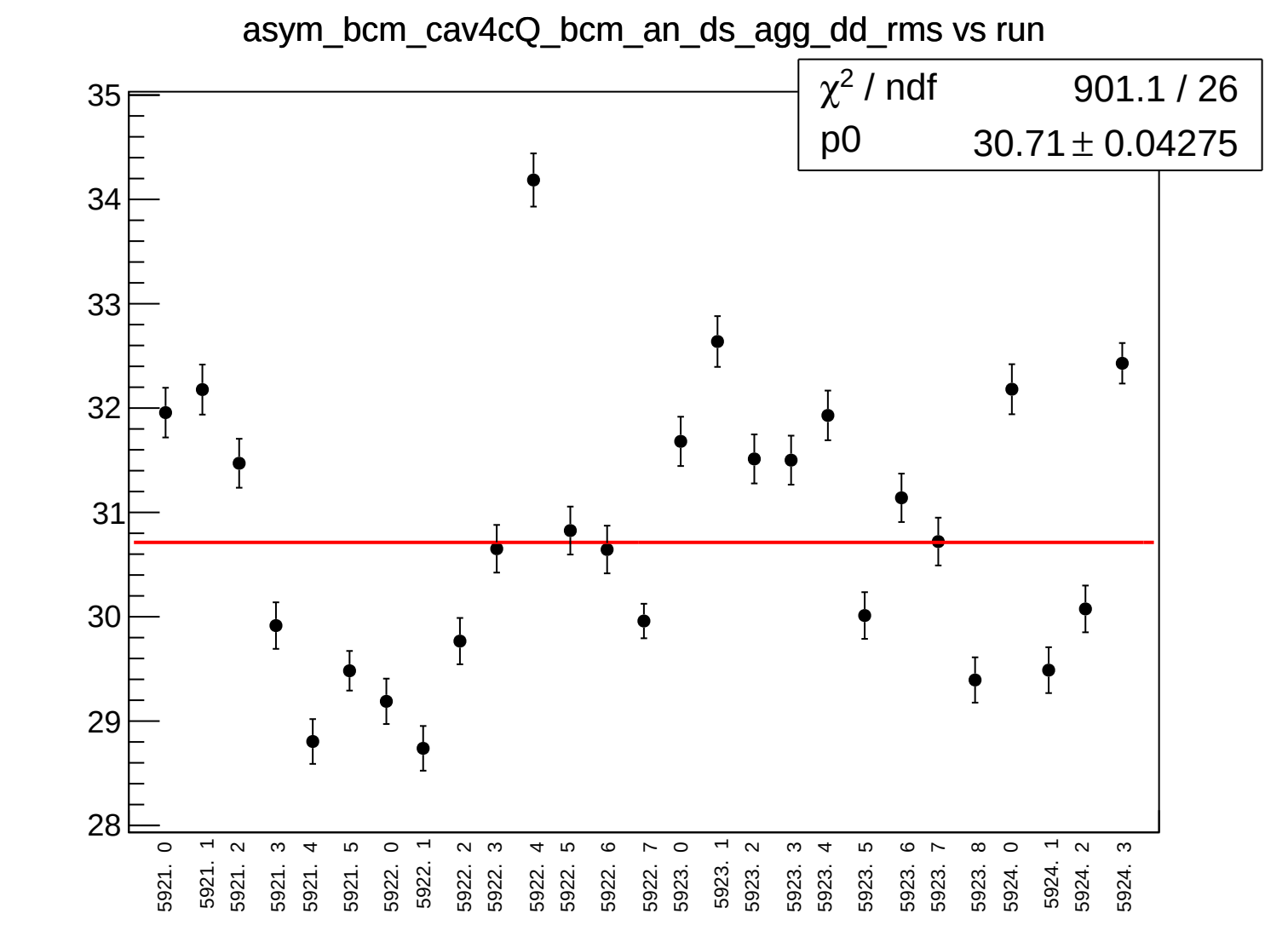

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs run
χ² / ndf 971.2 / 26
p0 30.37 ± 0.04228
34
33
32
31
30
29
28
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

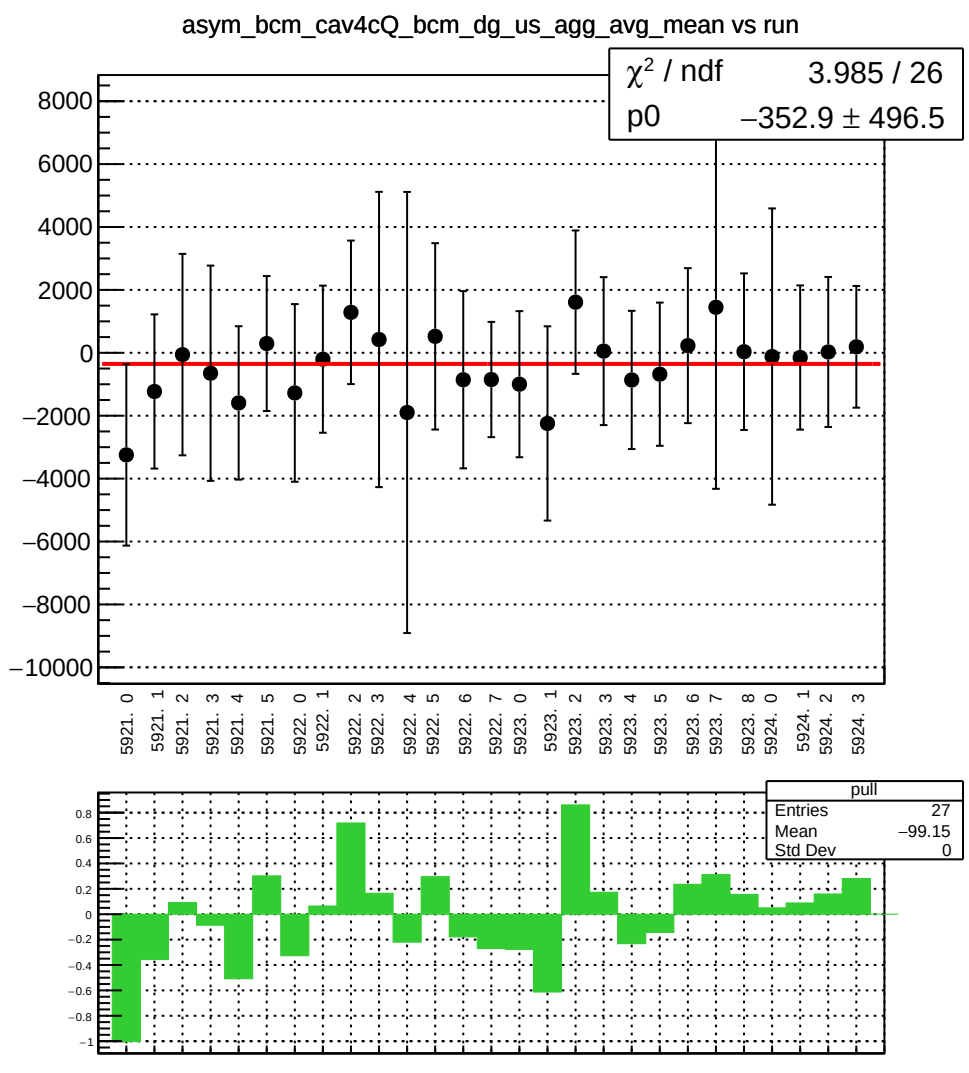

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 4.005 / 26
p0 −280 ± 486.5
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −97.05
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

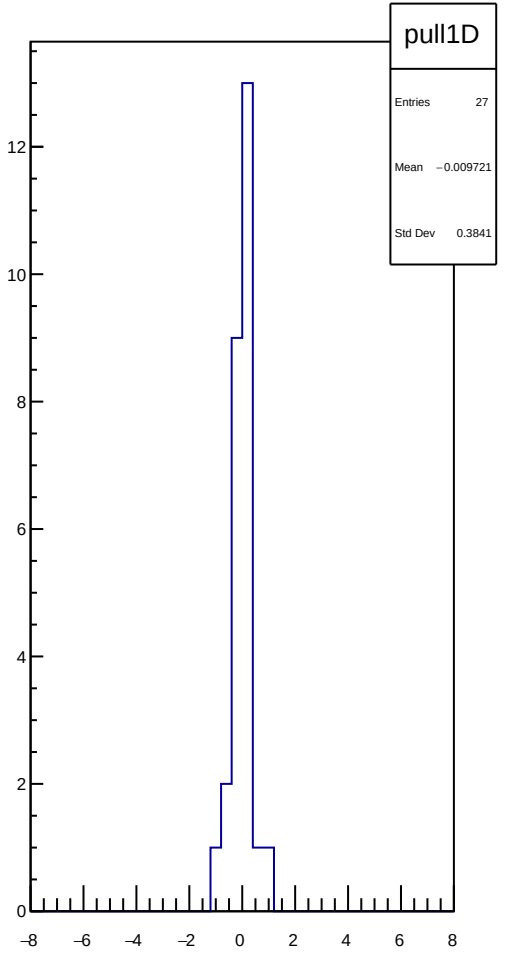

pull1D
Entries 27
Mean −0.008162
Std Dev 0.3851
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

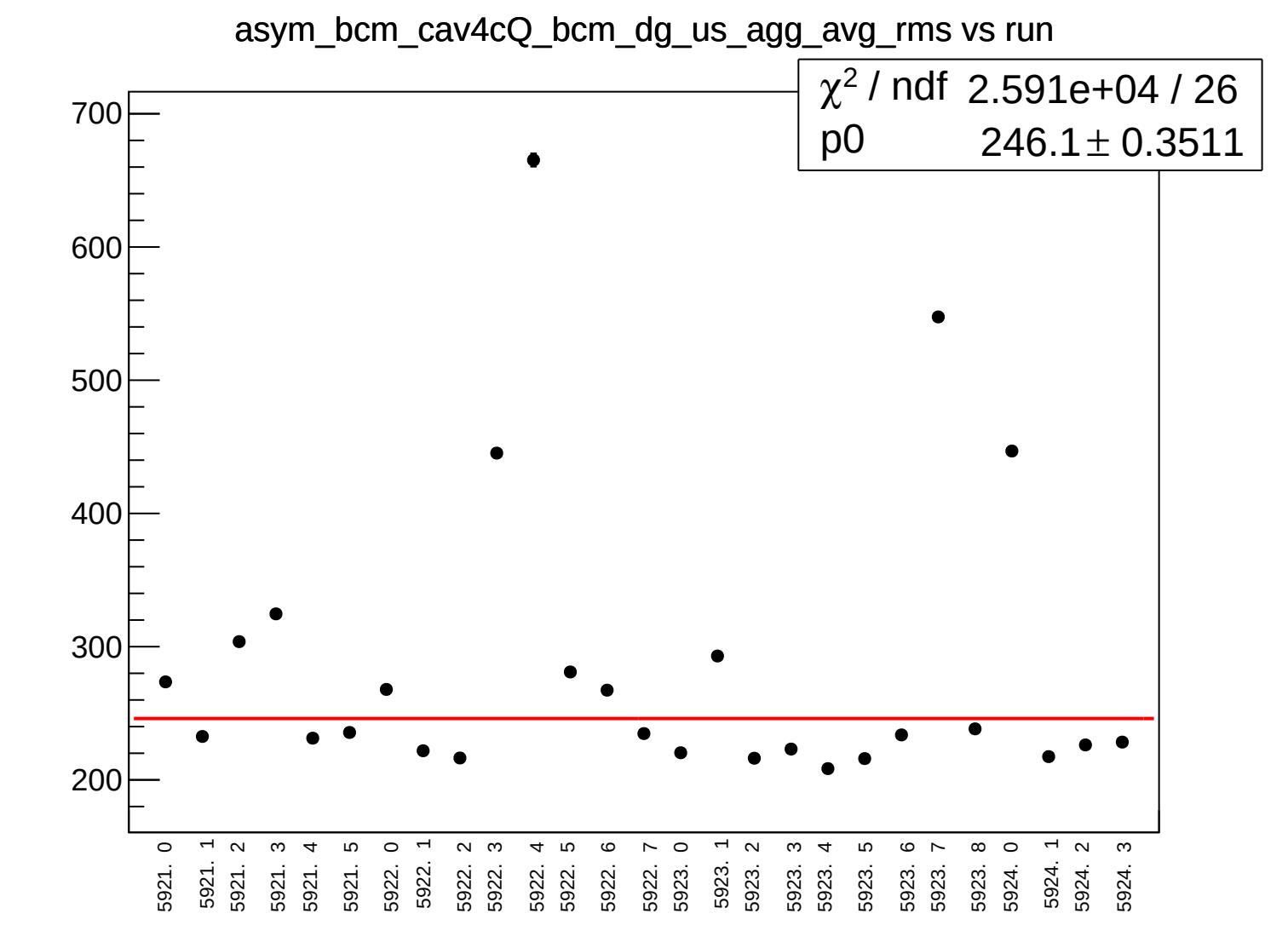

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 2.619e+04 / 26
p0 241 ± 0.344
700
600
500
400
300
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 20.75 / 26
p0 −87.01 ± 60.45
pull
Entries 27
Mean −149.3
Std Dev 0
pull1D
Entries 27
Mean 0.001841
Std Dev 0.8766


asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 901.1 / 26
p0 30.71 ± 0.04275
35
34
33
32
31
30
29
28
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs run
χ² / ndf 3.985 / 26
p0 −352.9 ± 496.5
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −99.15
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1


pull1D
Entries 27
Mean −0.009721
Std Dev 0.3841
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs run
χ² / ndf 2.591e+04 / 26
p0 246.1 ± 0.3511
700
600
500
400
300
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
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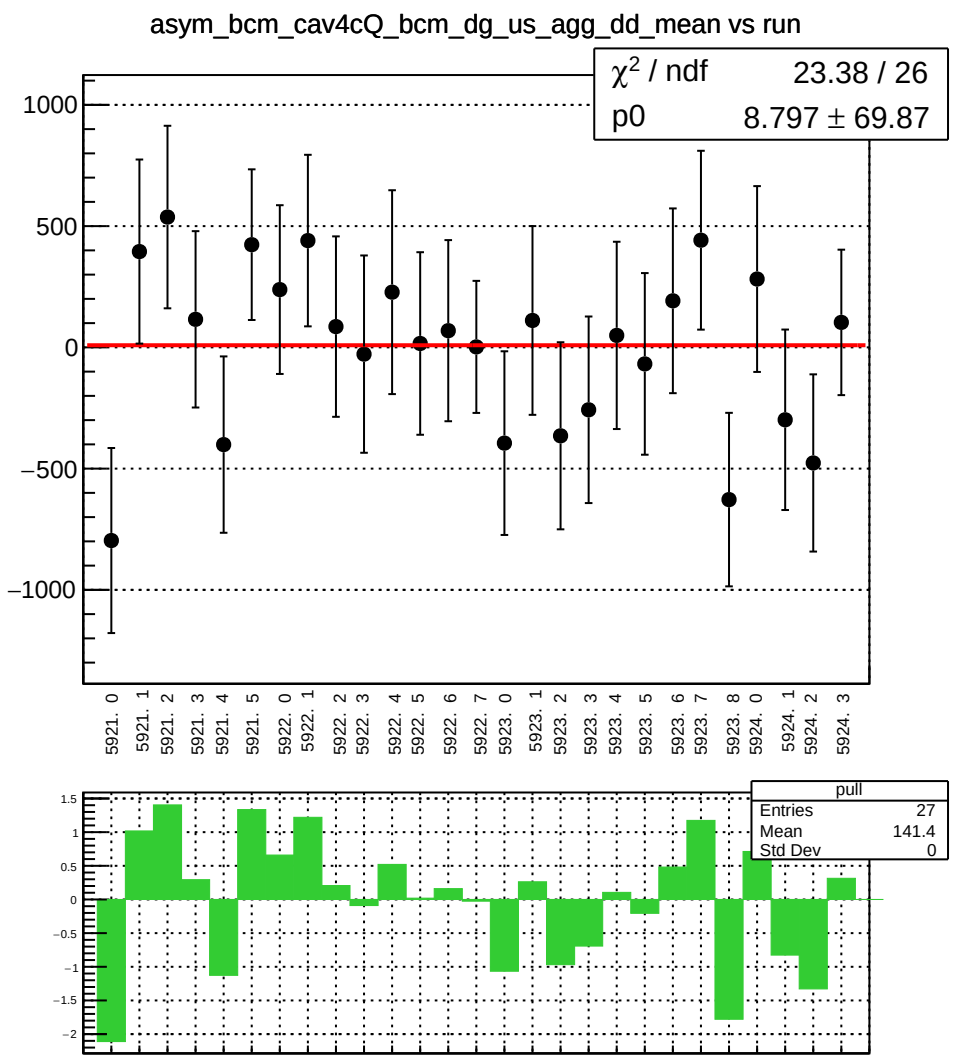
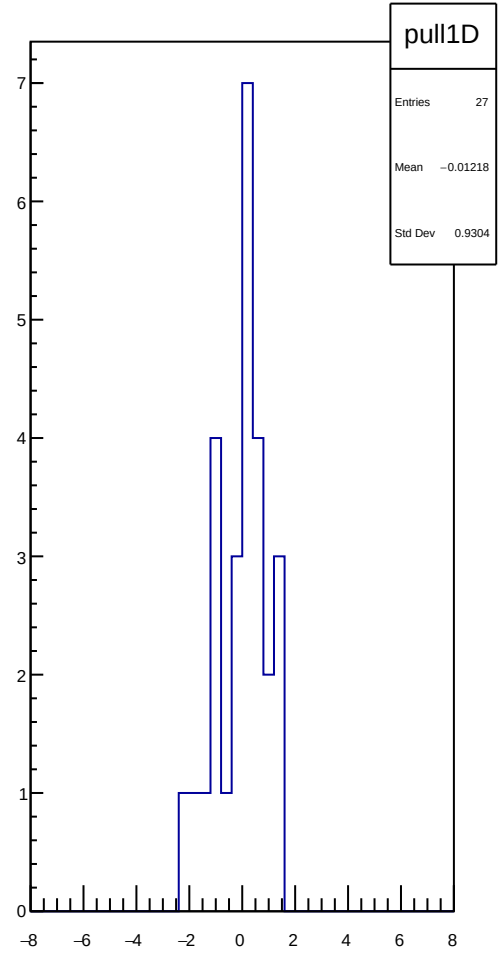
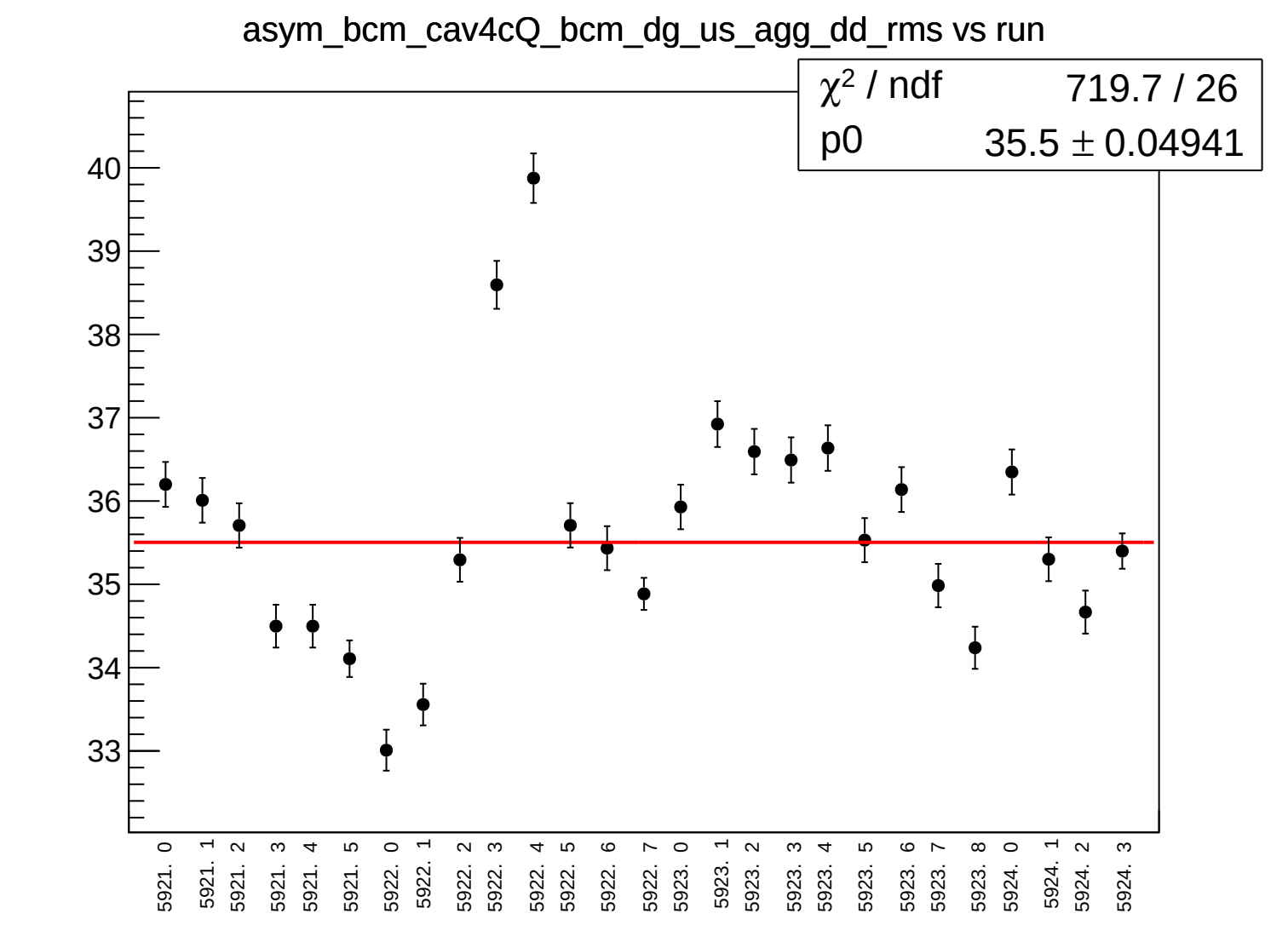
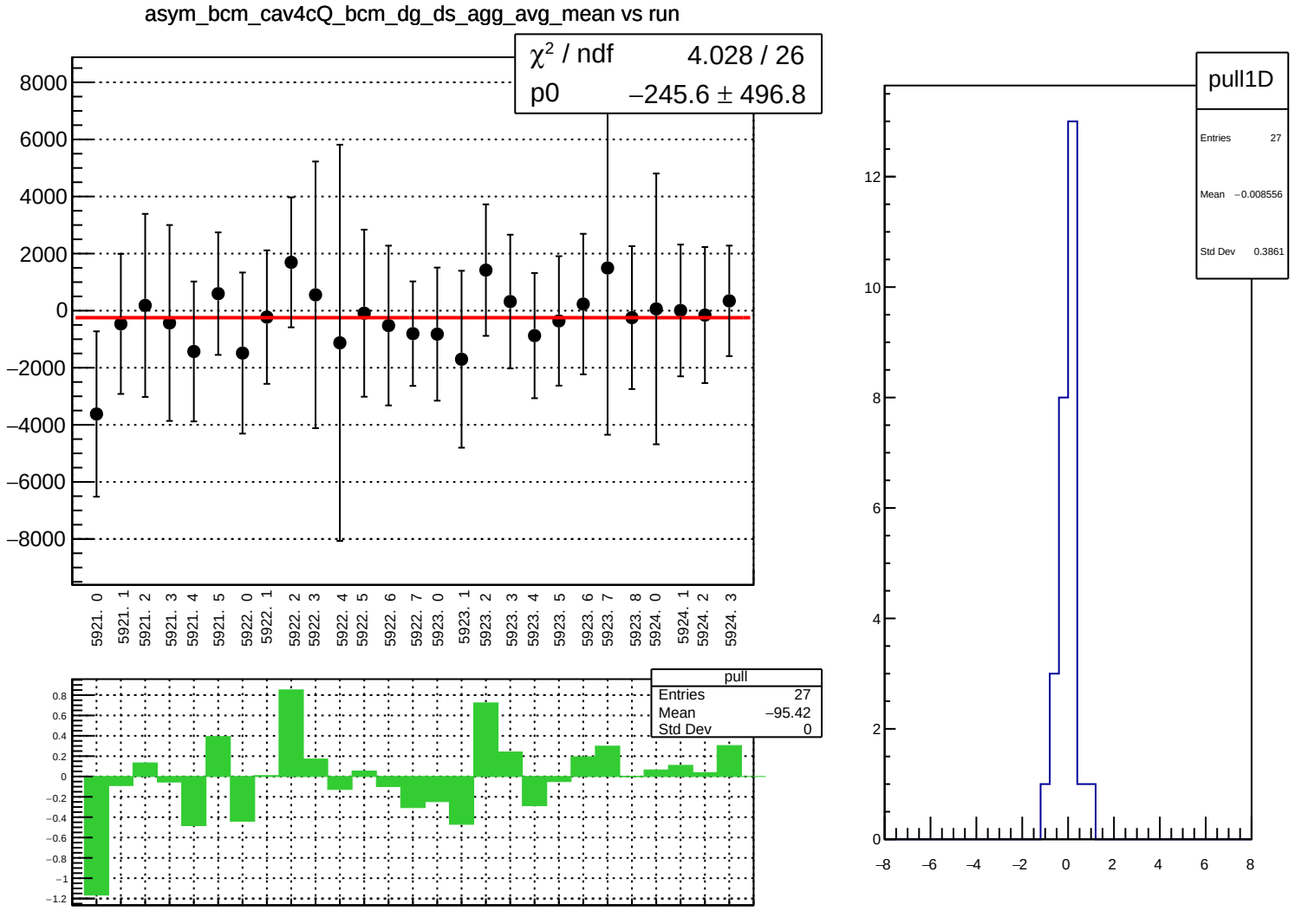
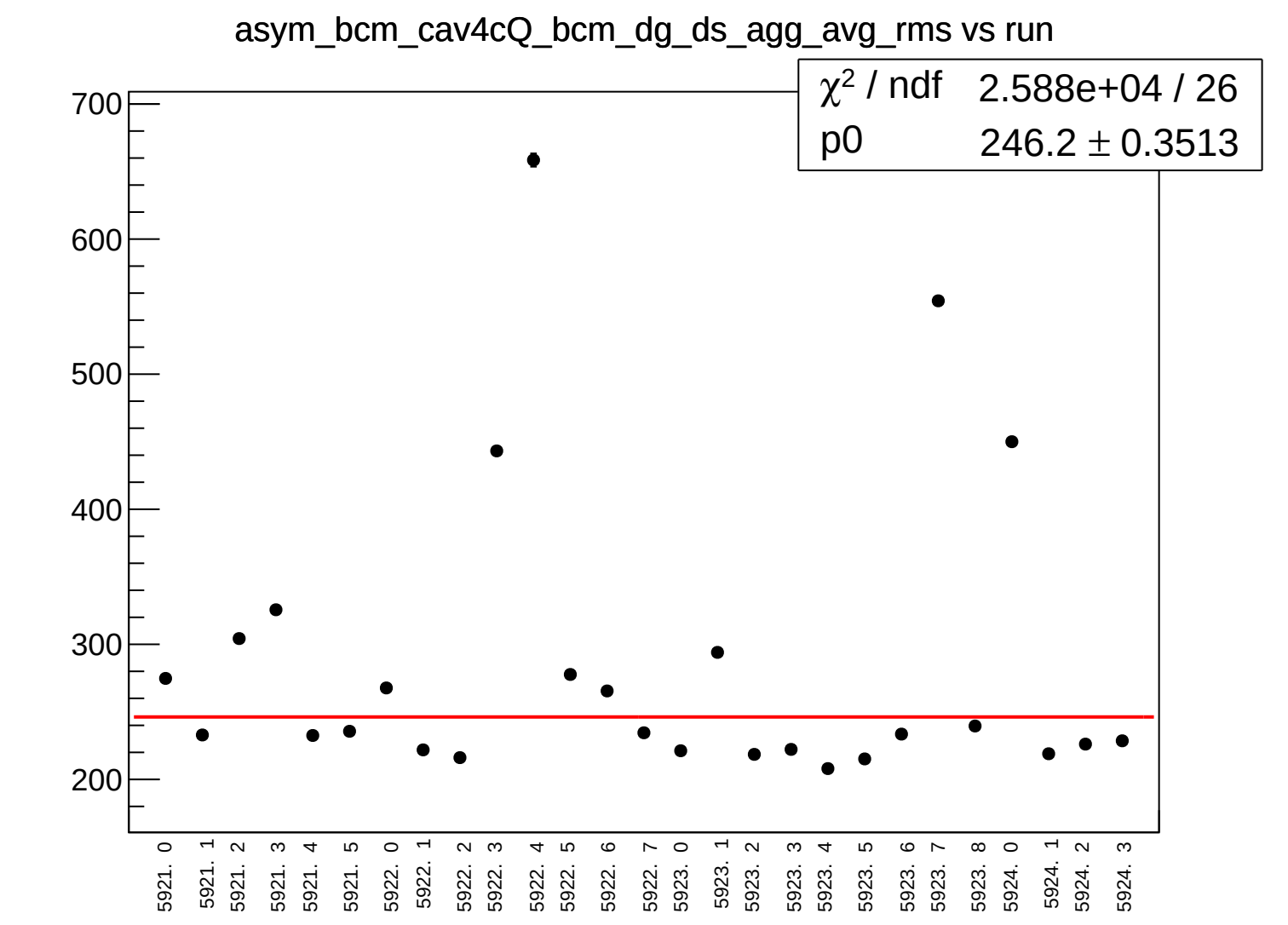
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

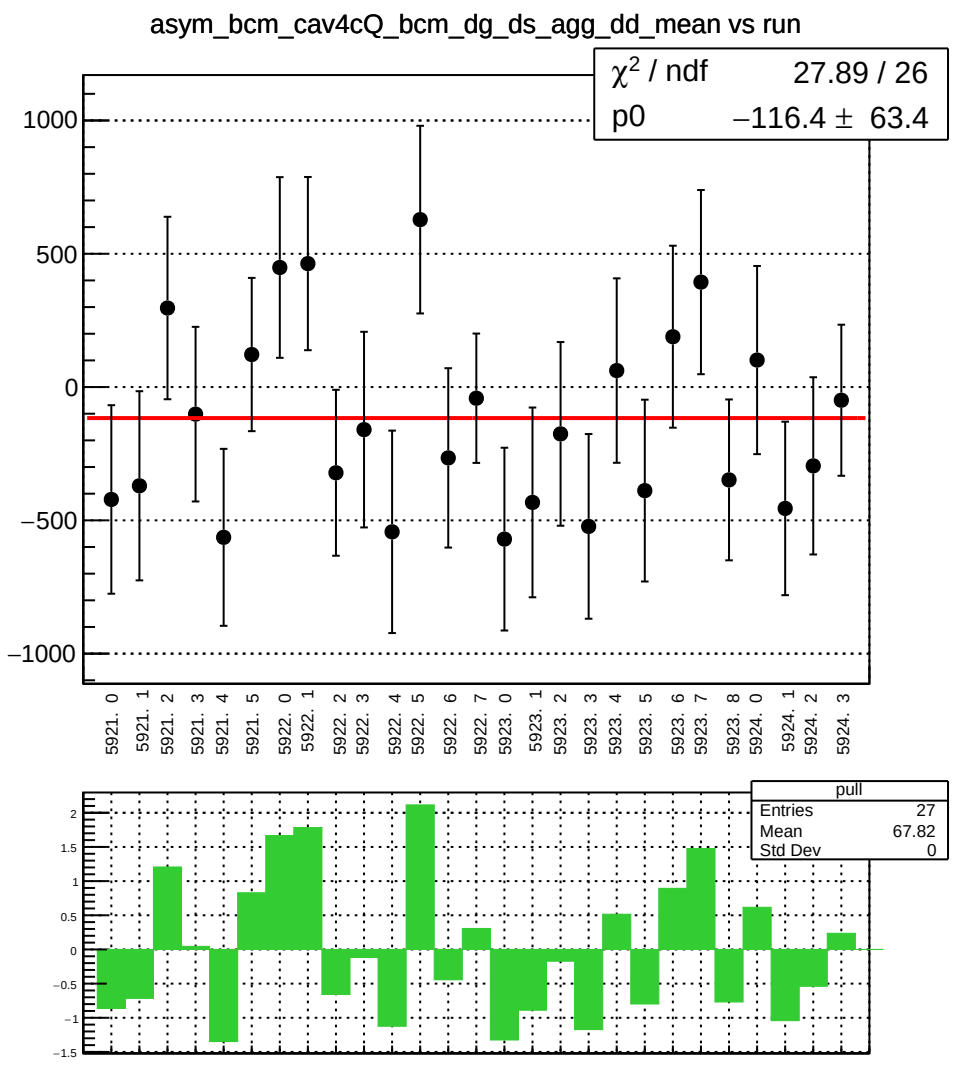

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 23.38 / 26
p0 8.797 ± 69.87
1000
500
0
−500
−1000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 141.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

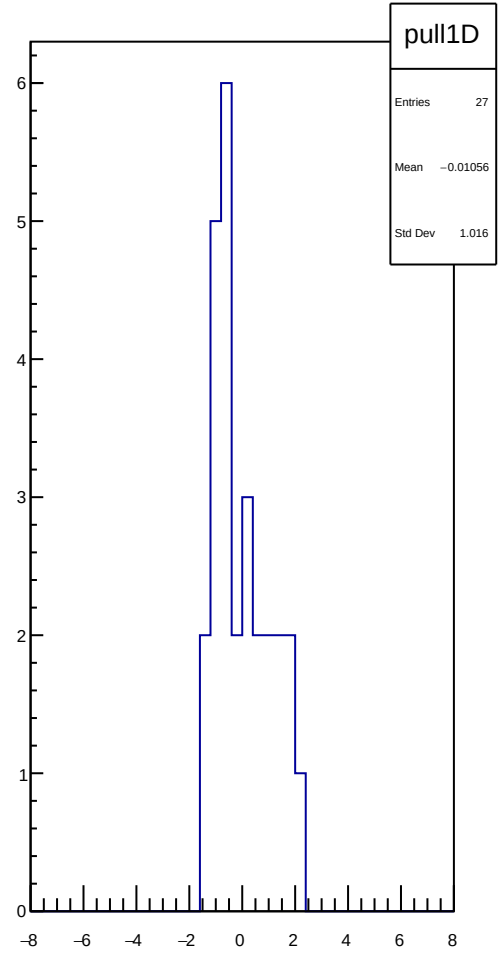

pull1D
Entries 27
Mean −0.01218
Std Dev 0.9304
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

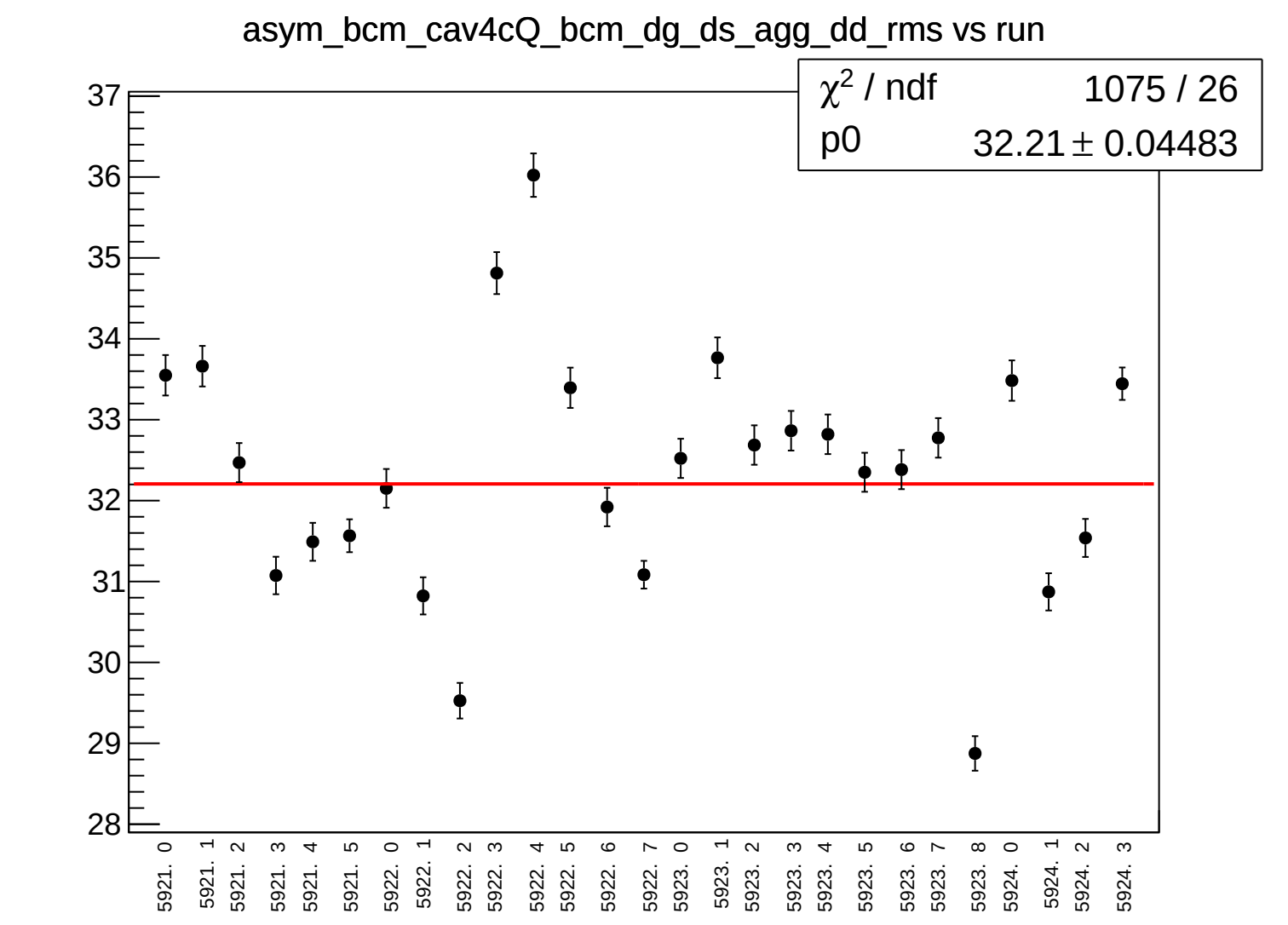

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 719.7 / 26
p0 35.5 ± 0.04941
40
39
38
37
36
35
34
33
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

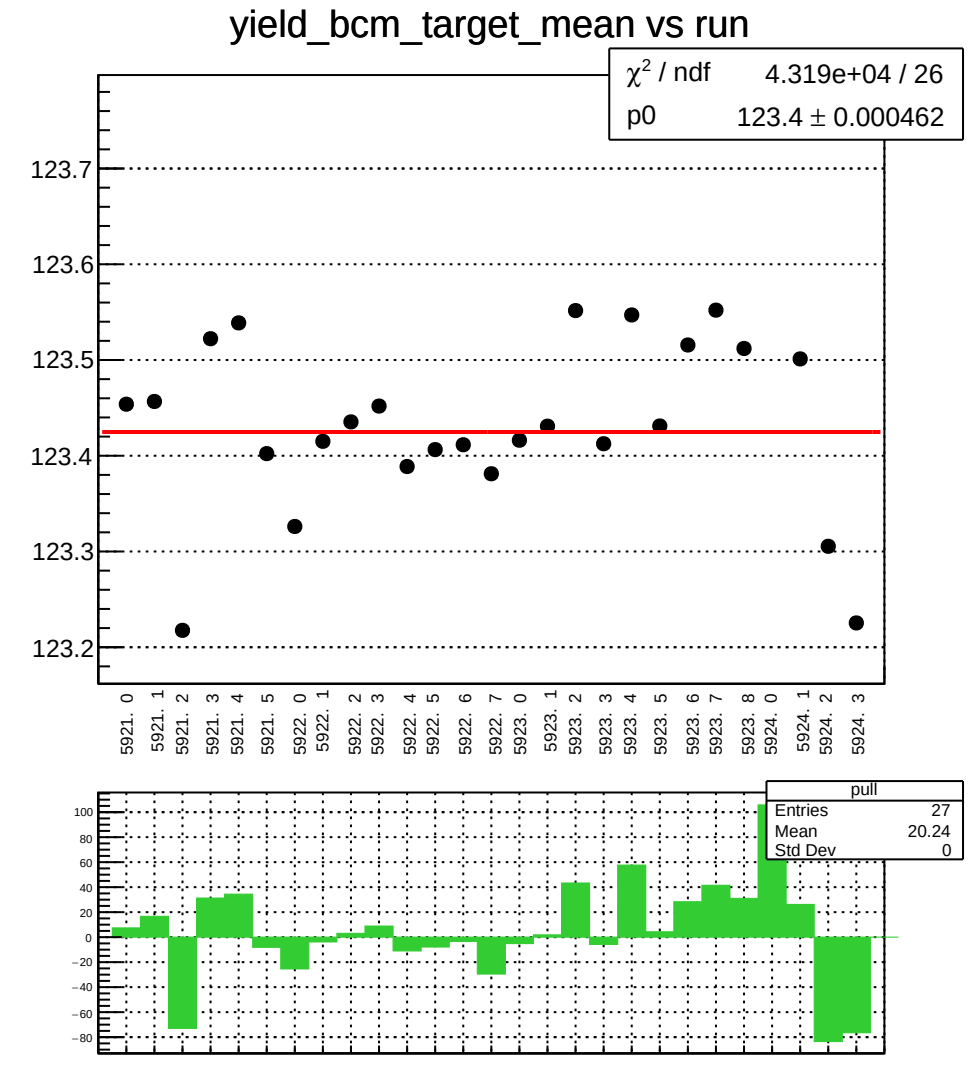

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 4.028 / 26
p0 −245.6 ± 496.8
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −95.42
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
pull1D
Entries 27
Mean −0.008556
Std Dev 0.3861
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

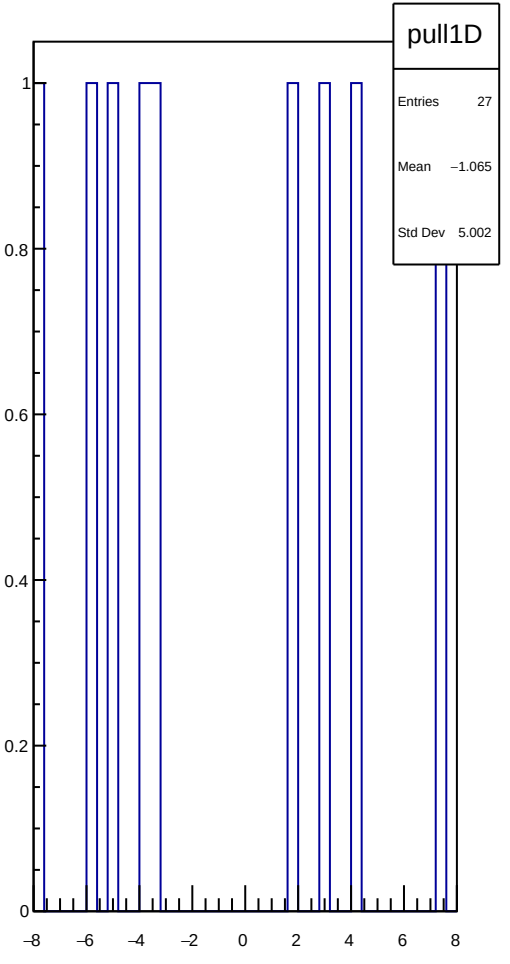

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 2.588e+04 / 26
p0 246.2 ± 0.3513
700
600
500
400
300
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

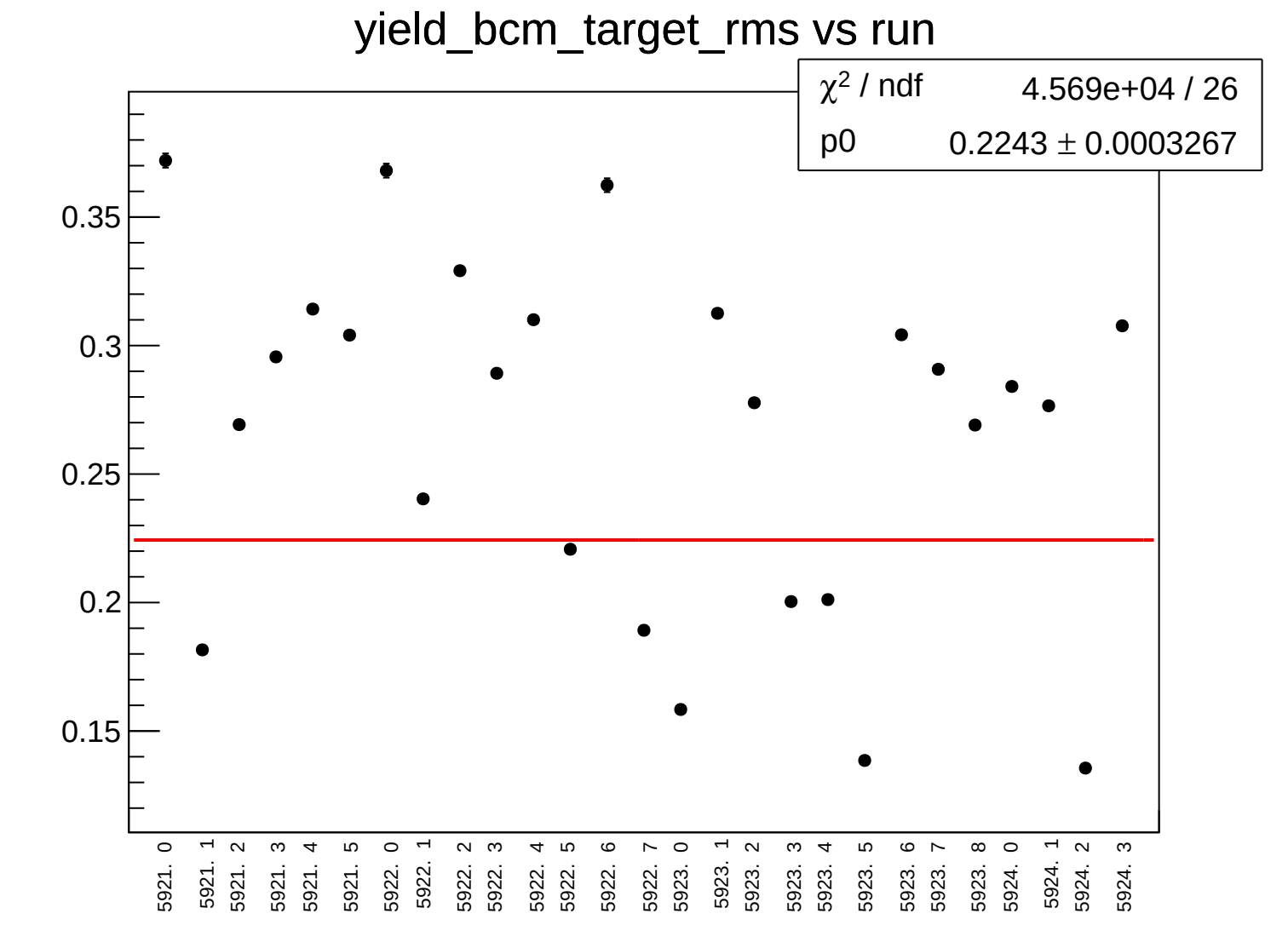

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 27.89 / 26
p0 −116.4 ± 63.4
1000
500
0
−500
−1000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 67.82
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

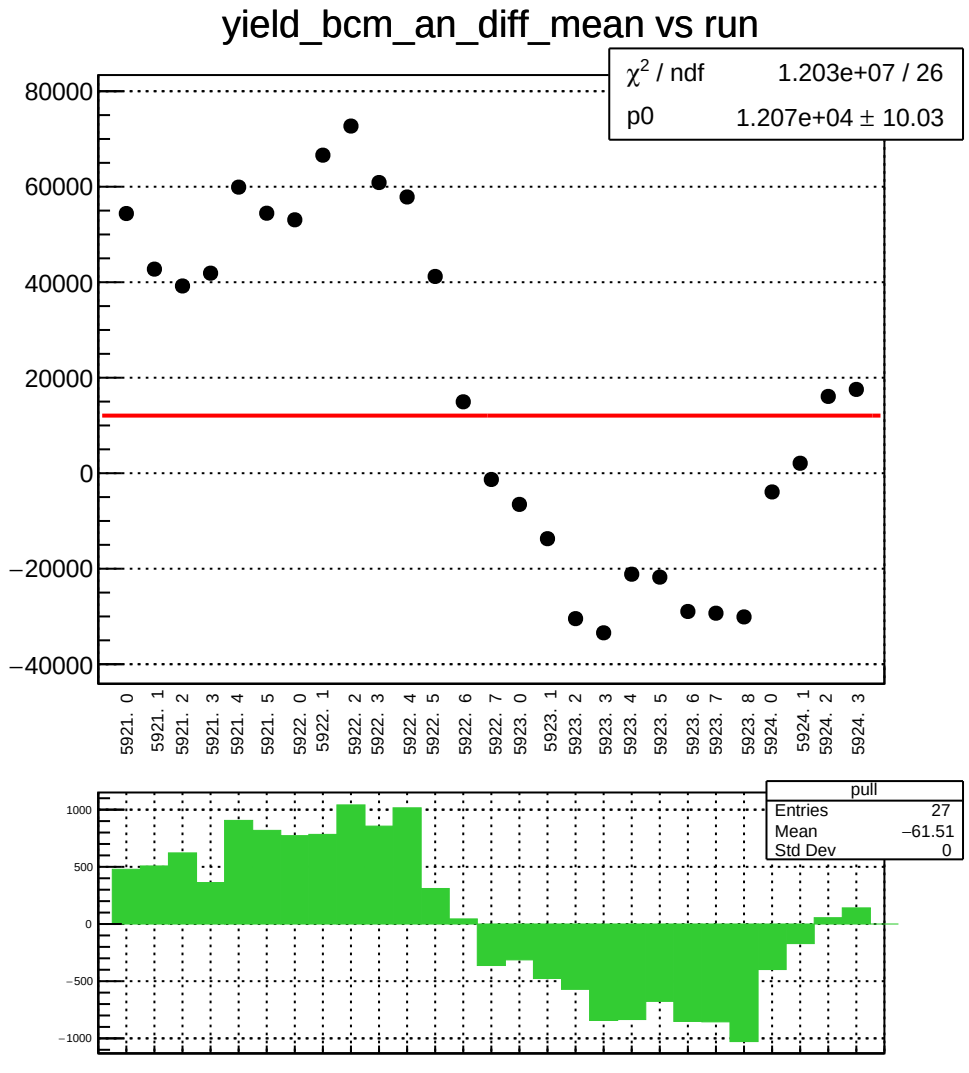

pull1D
Entries 27
Mean −0.01056
Std Dev 1.016
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

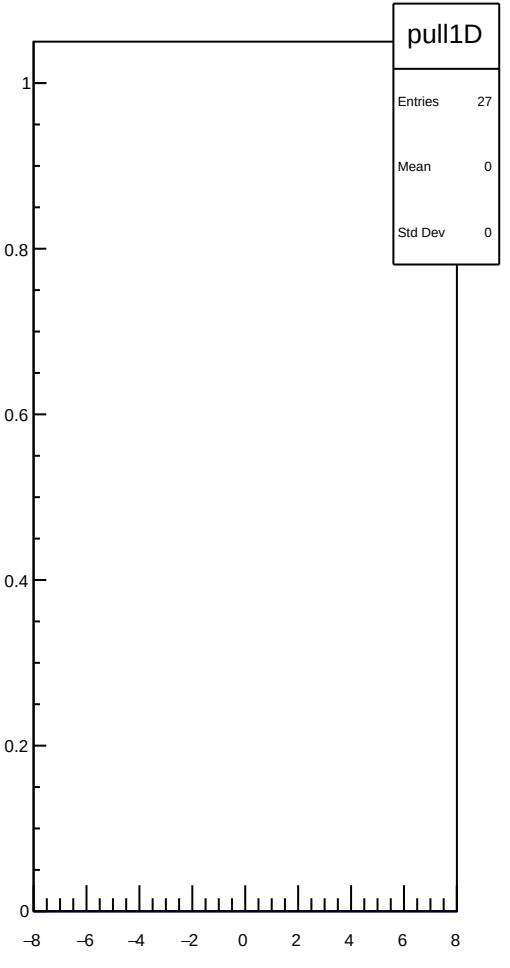

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 1075 / 26
p0 32.21 ± 0.04483
37
36
35
34
33
32
31
30
29
28
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

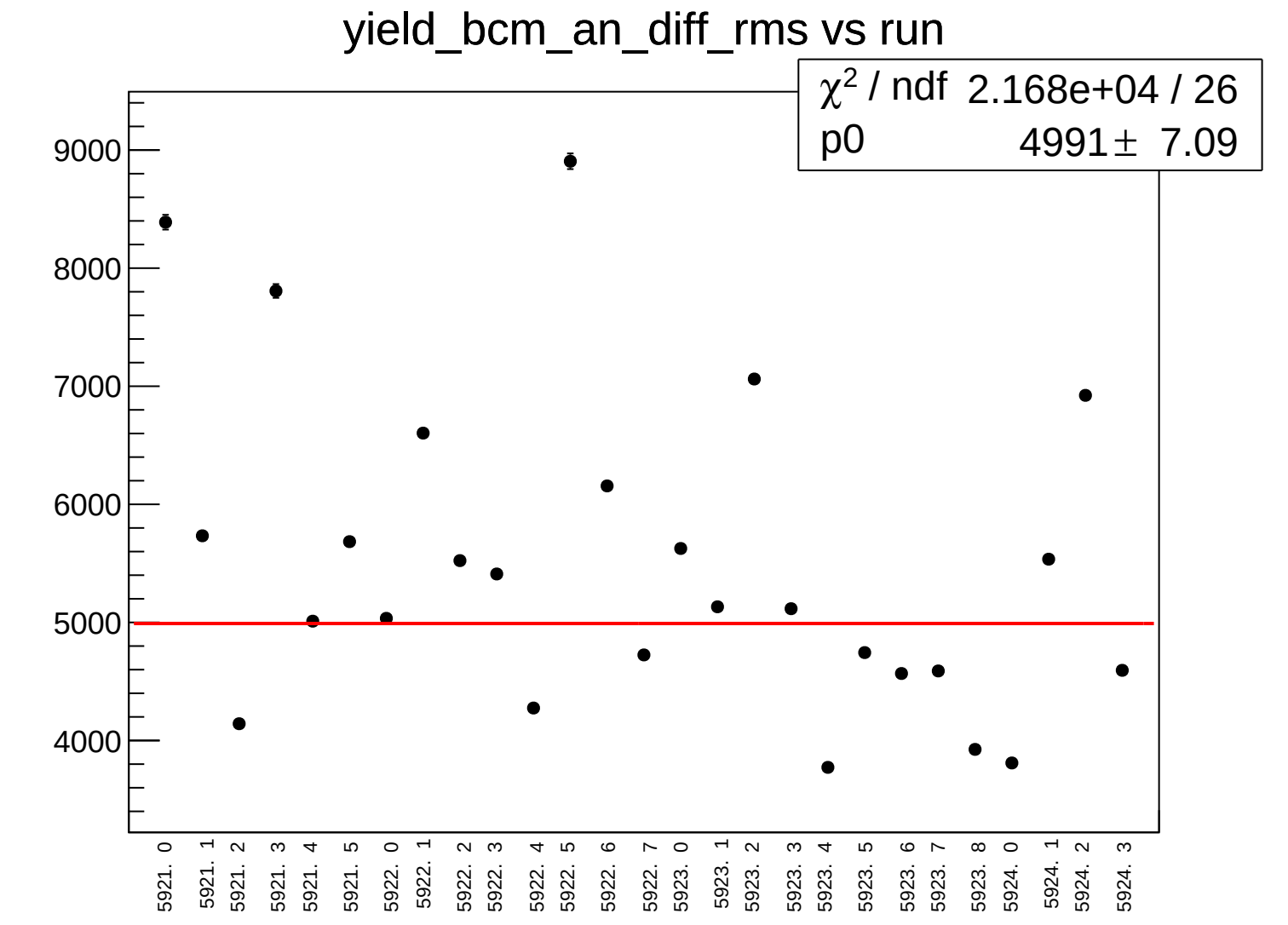

yield_bcm_target_mean vs run
χ² / ndf 4.319e+04 / 26
p0 123.4 ± 0.000462
123.7
123.6
123.5
123.4
123.3
123.2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 20.24
Std Dev 0
100
80
60
40
20
0
−20
−40
−60
−80

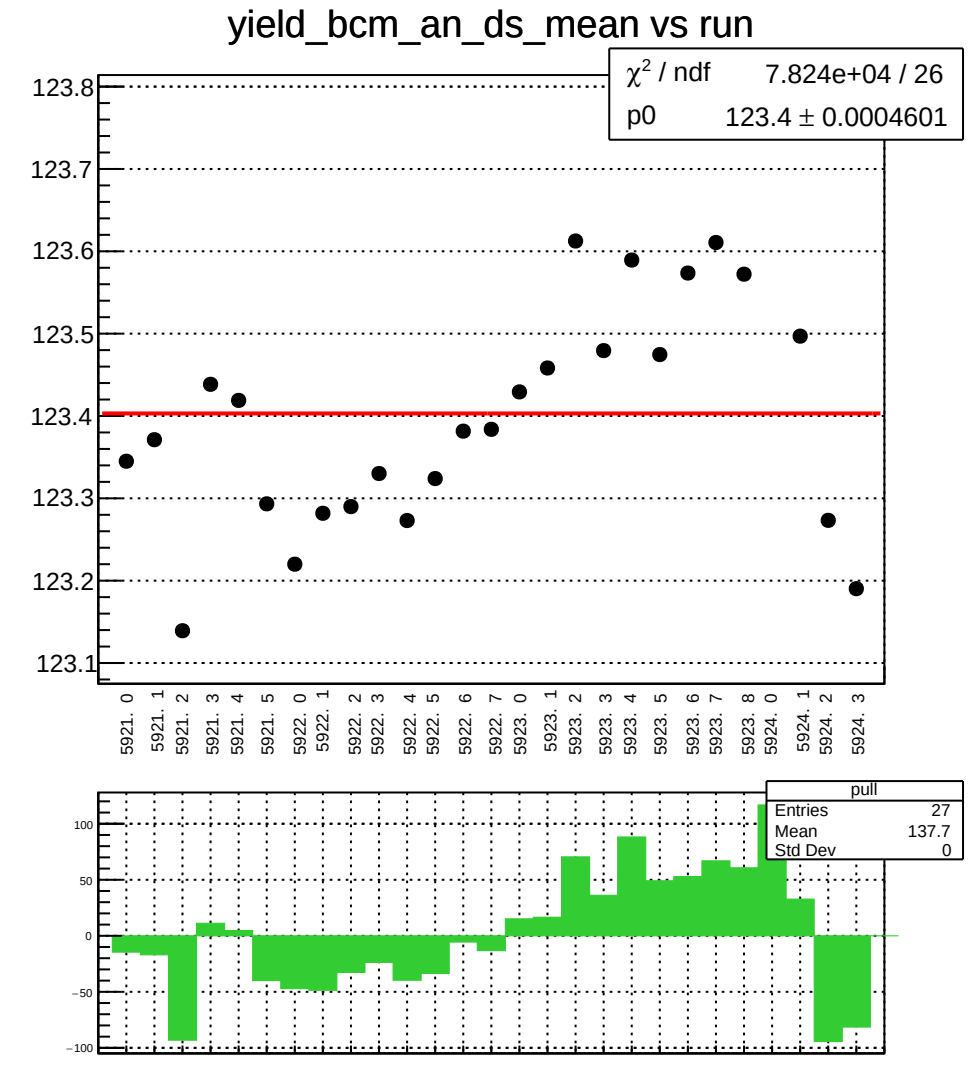

pull1D
Entries 27
Mean −1.065
Std Dev 5.002
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

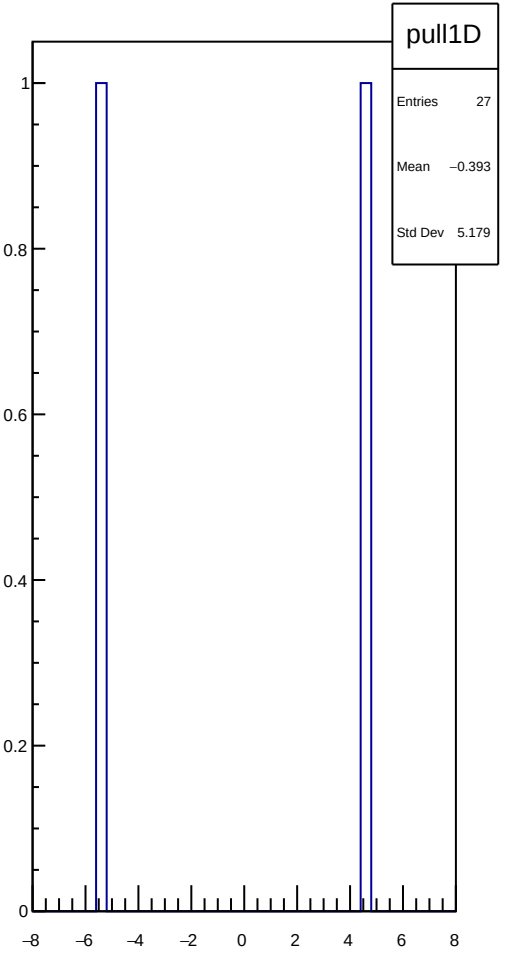

yield_bcm_target_rms vs run
χ² / ndf 4.569e+04 / 26
p0 0.2243 ± 0.0003267
0.35
0.3
0.25
0.2
0.15
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

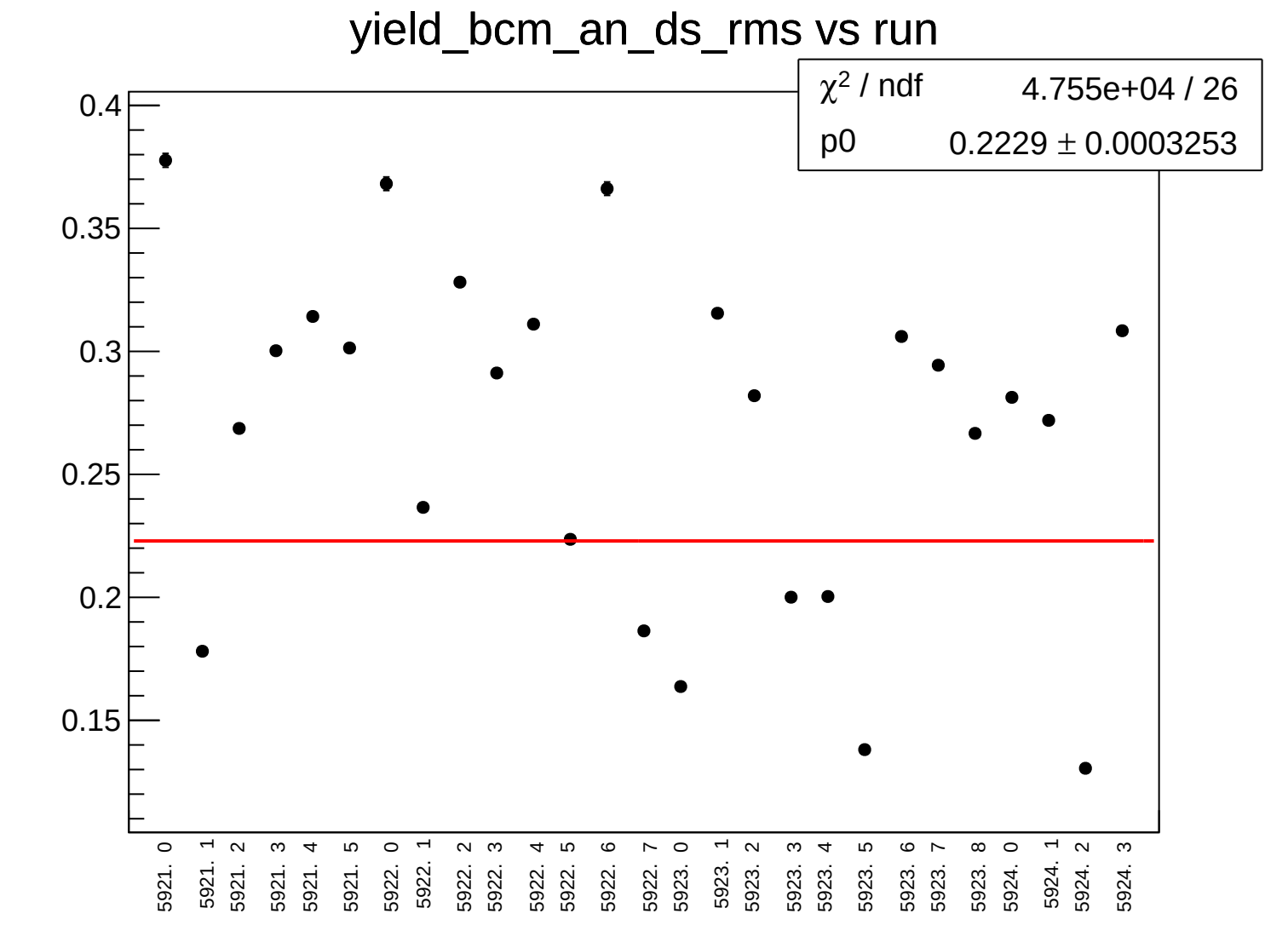

yield_bcm_an_diff_mean vs run
χ² / ndf 1.203e+07 / 26
p0 1.207e+04 ± 10.03
80000
60000
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −61.51
Std Dev 0
1000
500
0
−500
−1000

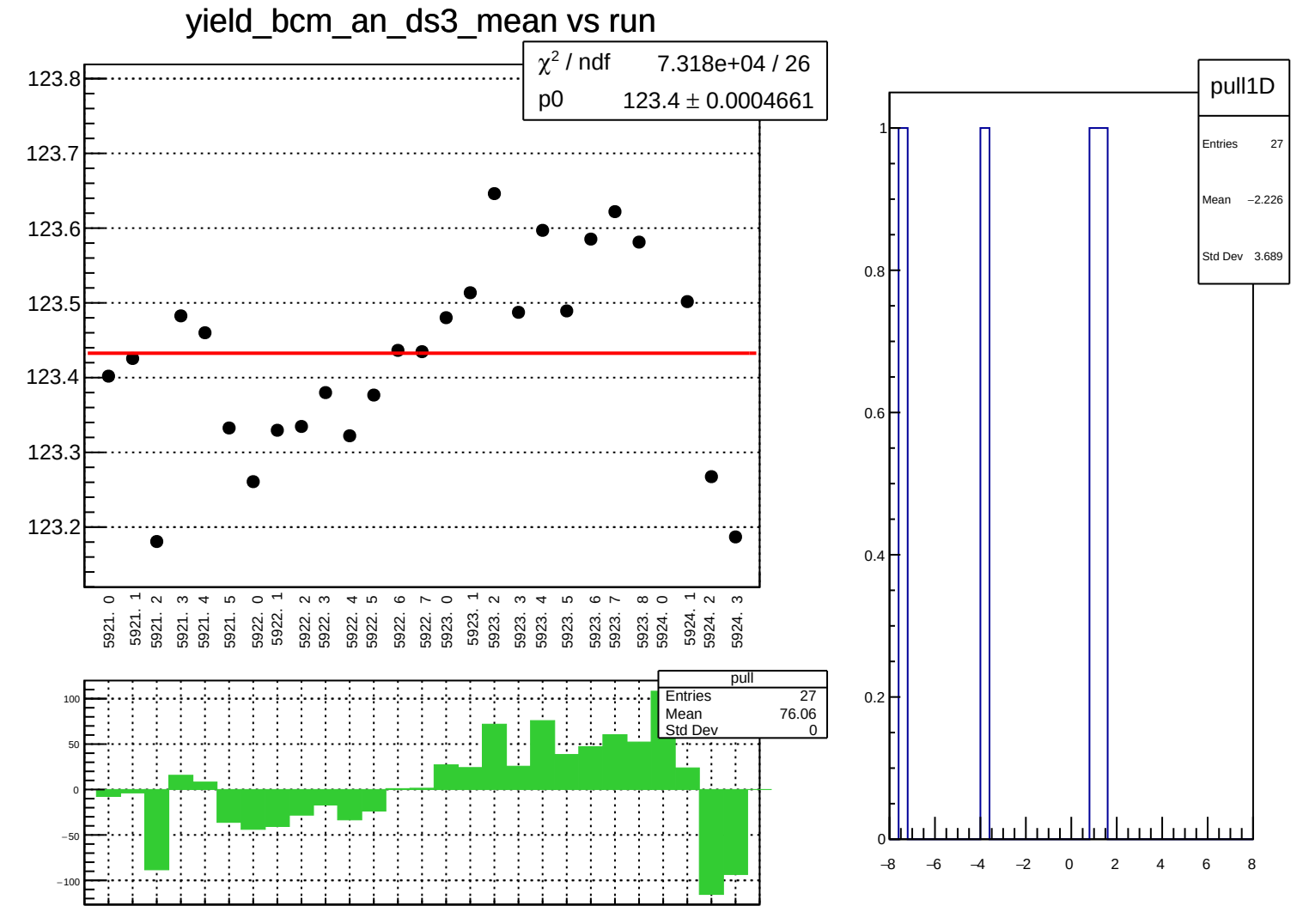

pull1D
Entries 27
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

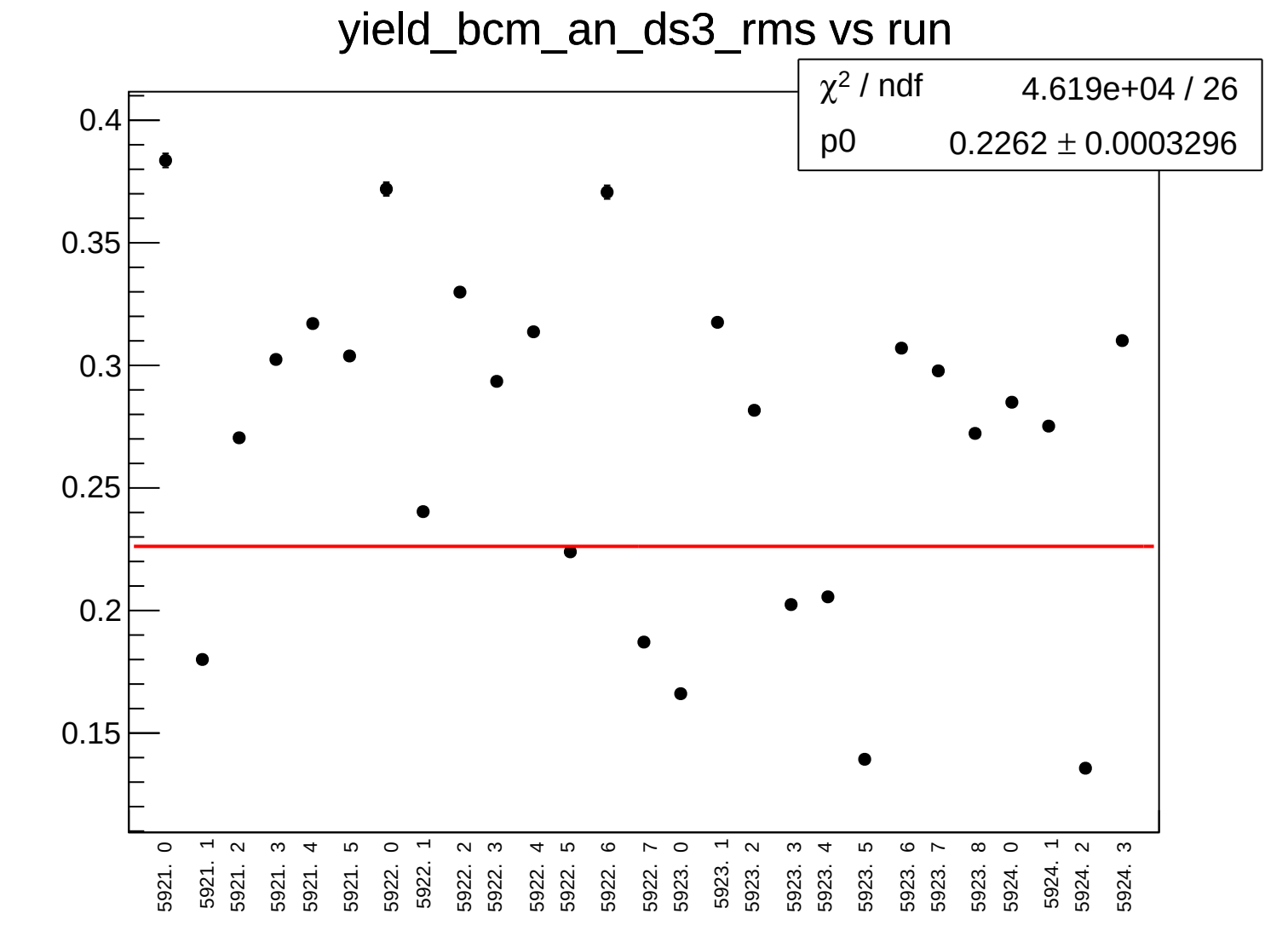

yield_bcm_an_diff_rms vs run
χ² / ndf 2.168e+04 / 26
p0 4991 ± 7.09
9000
8000
7000
6000
5000
4000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

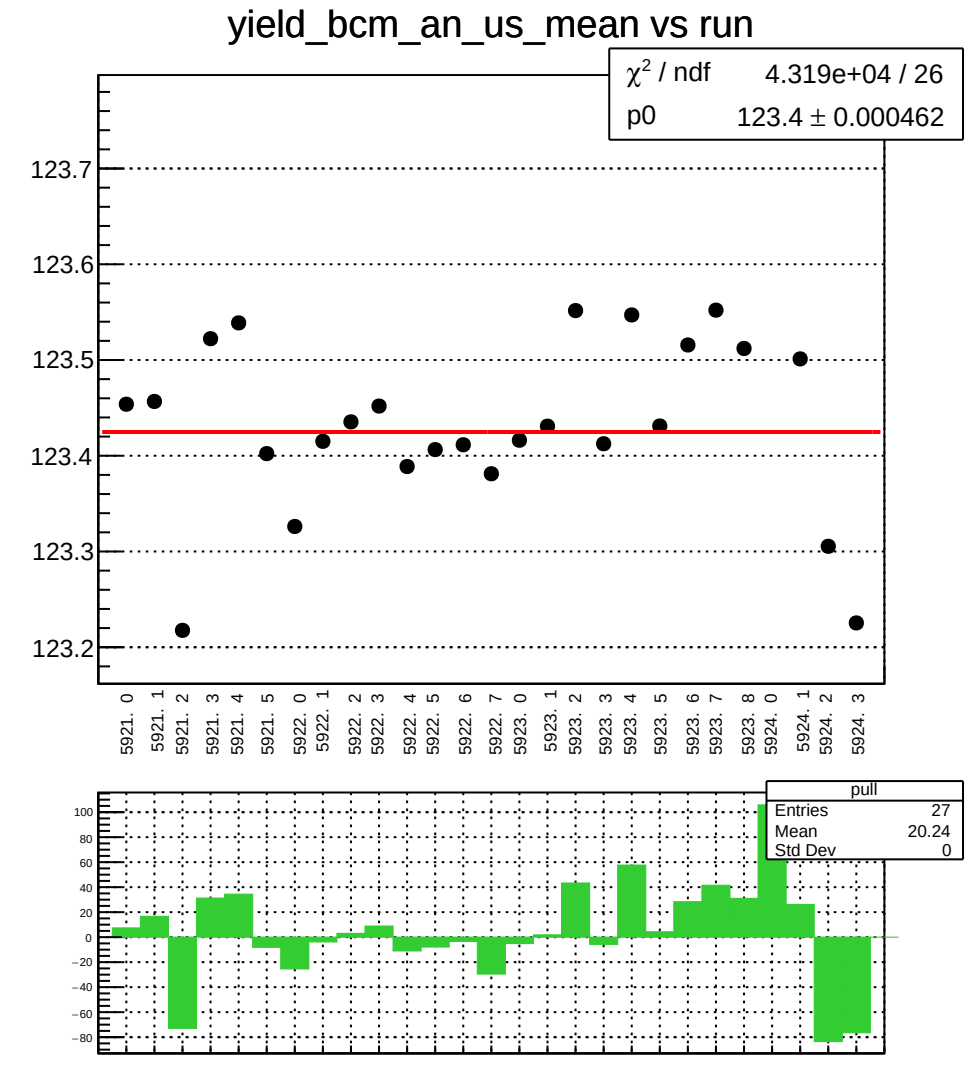

yield_bcm_an_ds_mean vs run
χ² / ndf 7.824e+04 / 26
p0 123.4 ± 0.0004601
123.8
123.7
123.6
123.5
123.4
123.3
123.2
123.1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 137.7
Std Dev 0
100
50
0
−50
−100

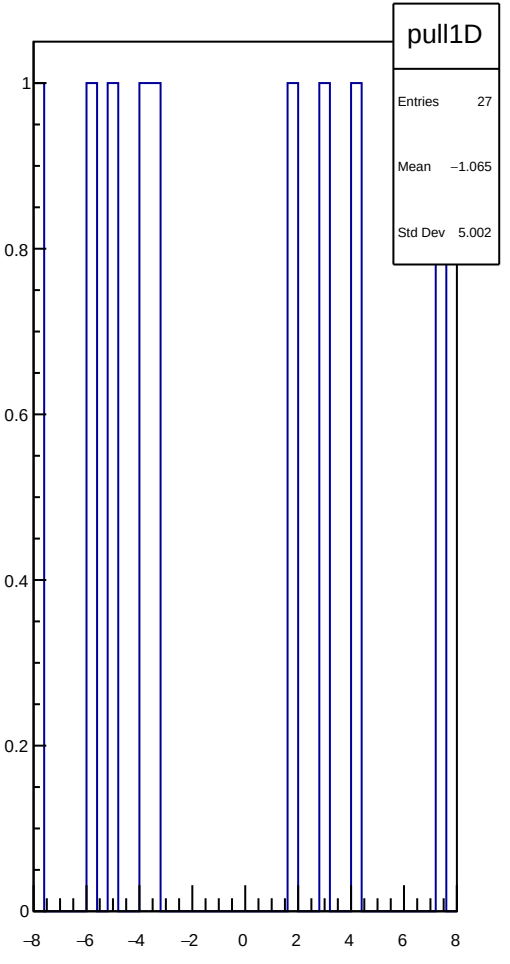

pull1D
Entries 27
Mean −0.393
Std Dev 5.179
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

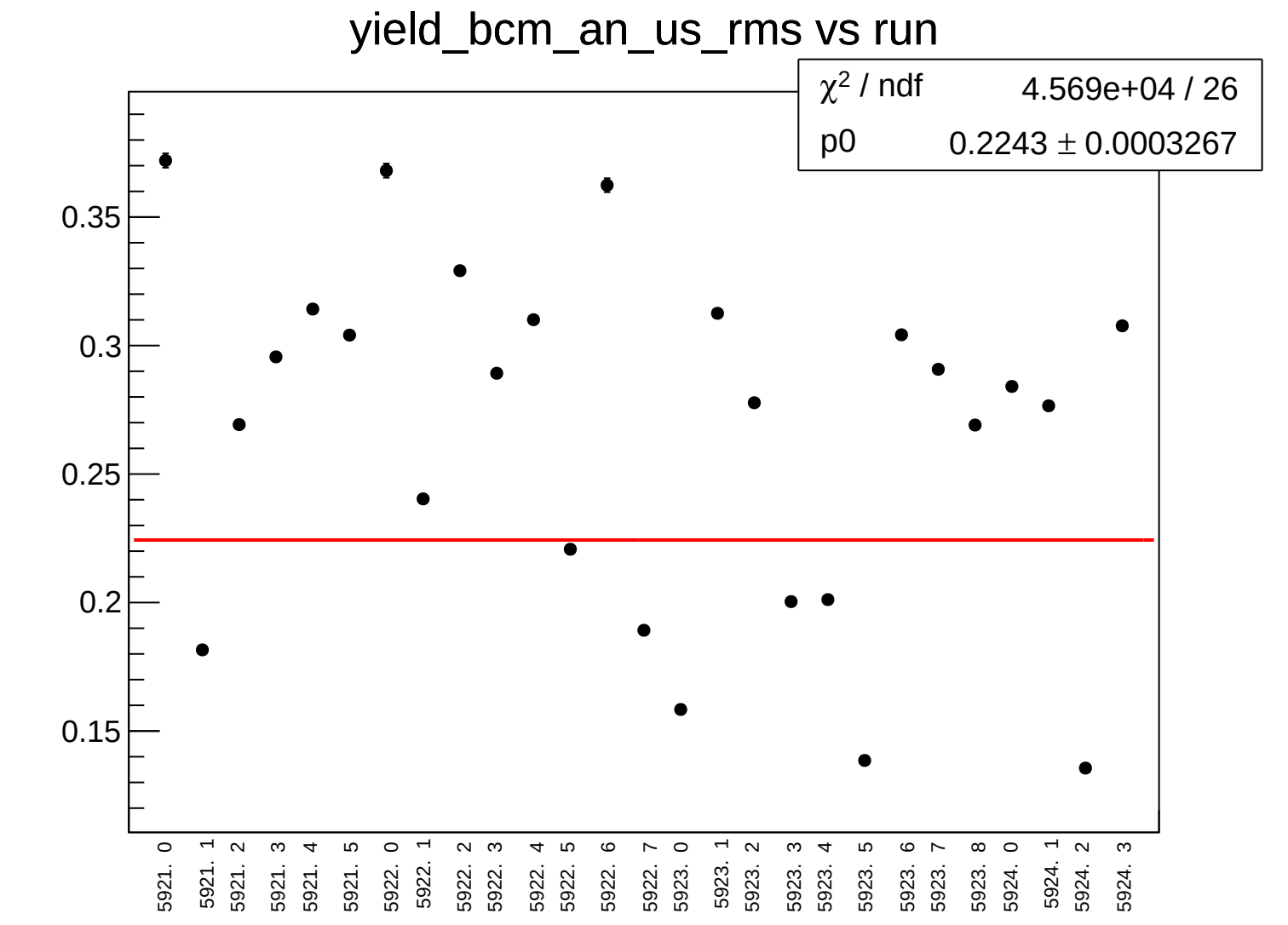

yield_bcm_an_ds_rms vs run
χ² / ndf 4.755e+04 / 26
p0 0.2229 ± 0.0003253
0.4
0.35
0.3
0.25
0.2
0.15
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

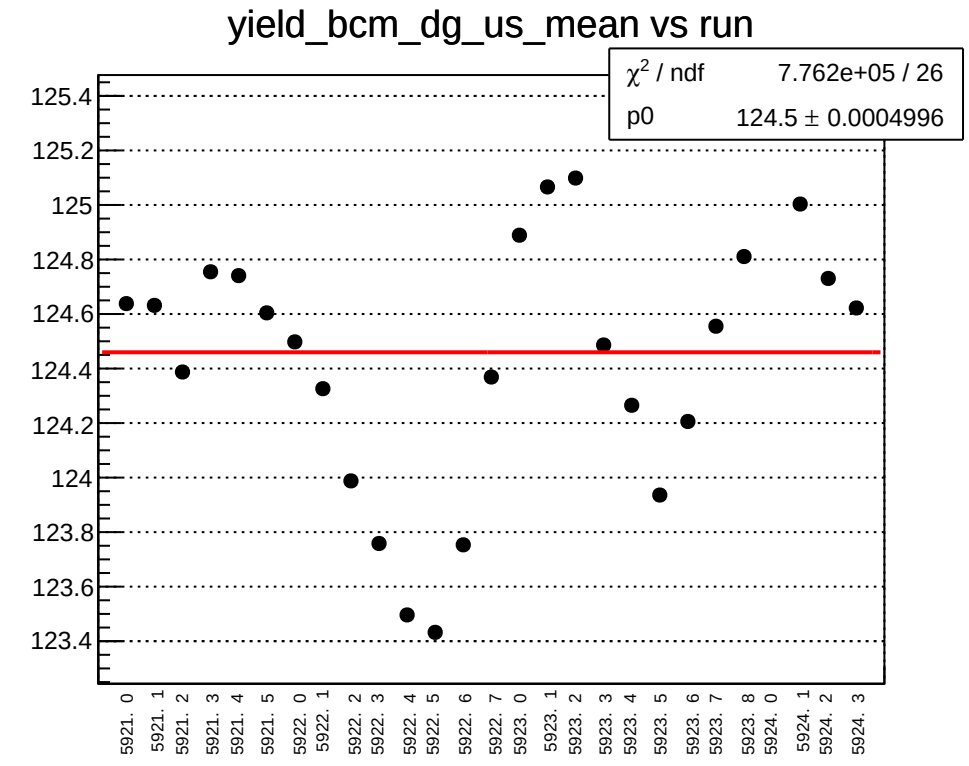

yield_bcm_an_ds3_mean vs run
χ² / ndf 7.318e+04 / 26
p0 123.4 ± 0.0004661
123.8
123.7
123.6
123.5
123.4
123.3
123.2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 76.06
Std Dev 0
100
50
0
−50
−100
pull1D
Entries 27
Mean −2.226
Std Dev 3.689
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

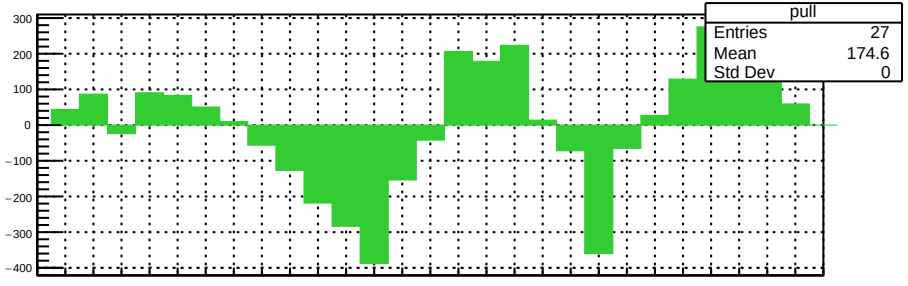

yield_bcm_an_ds3_rms vs run
χ² / ndf 4.619e+04 / 26
p0 0.2262 ± 0.0003296
0.4
0.35
0.3
0.25
0.2
0.15
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

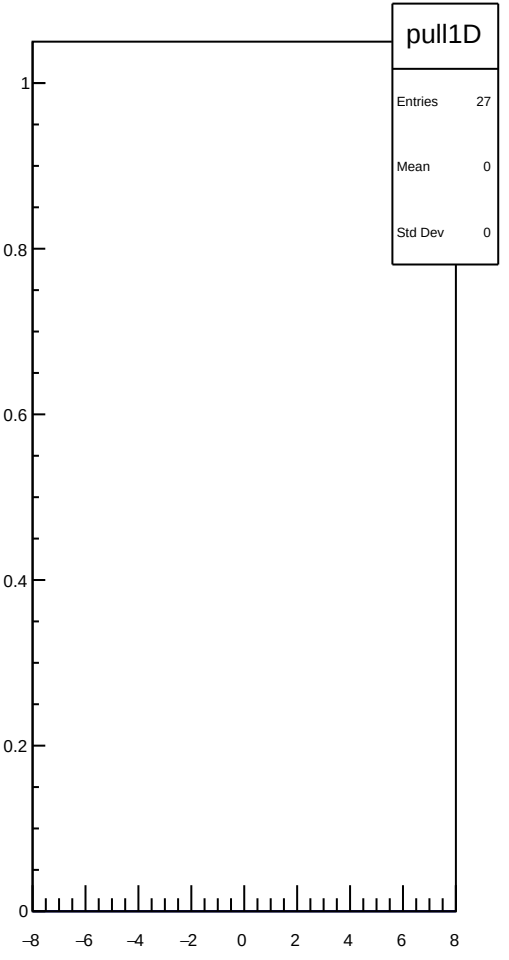

yield_bcm_an_us_mean vs run
χ² / ndf 4.319e+04 / 26
p0 123.4 ± 0.000462
123.7
123.6
123.5
123.4
123.3
123.2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 20.24
Std Dev 0
100
80
60
40
20
0
−20
−40
−60
−80

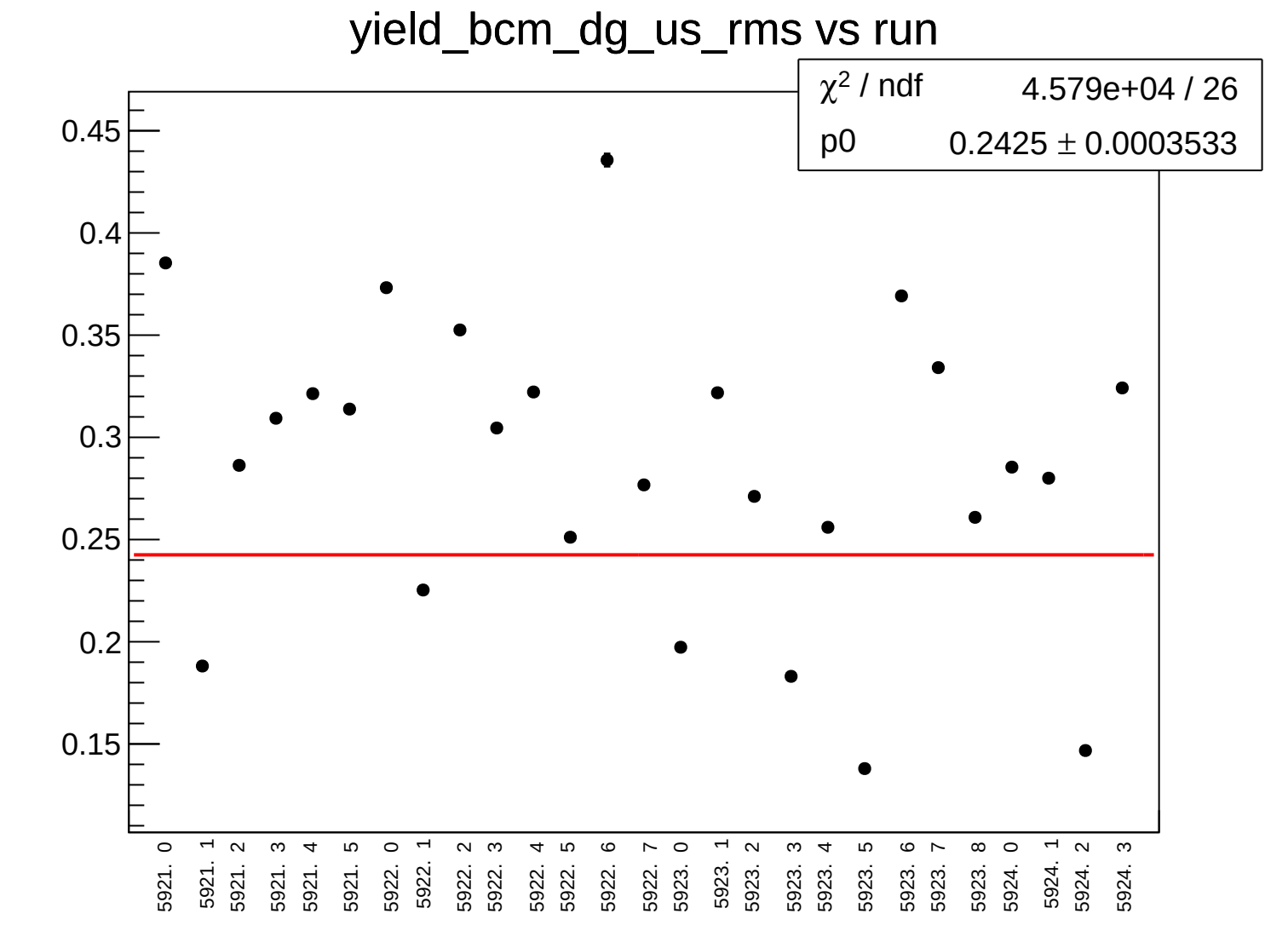

pull1D
Entries 27
Mean −1.065
Std Dev 5.002
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

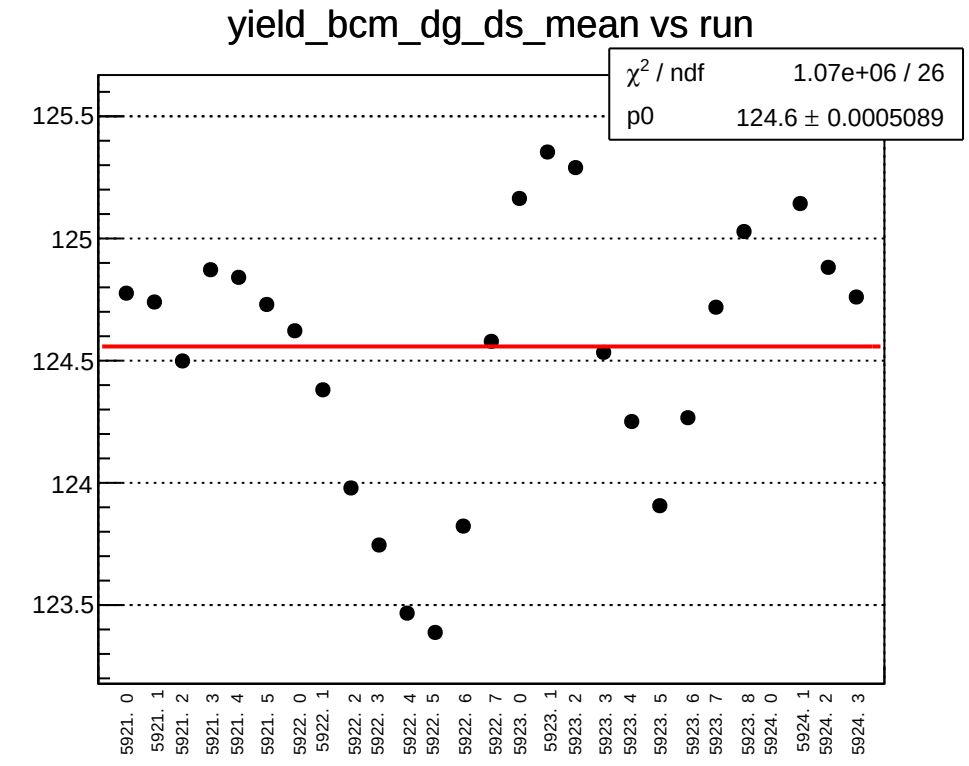

yield_bcm_an_us_rms vs run
χ² / ndf 4.569e+04 / 26
p0 0.2243 ± 0.0003267
0.35
0.3
0.25
0.2
0.15
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

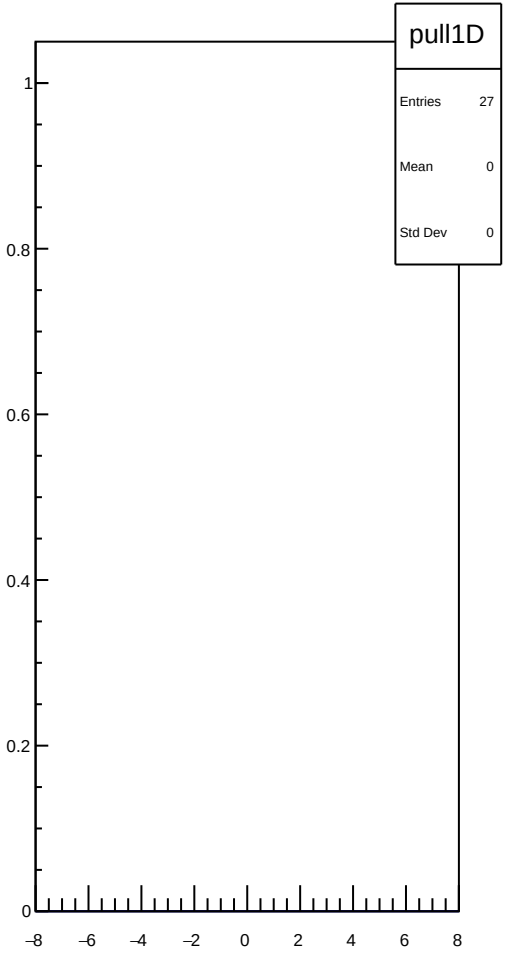

yield_bcm_dg_us_mean vs run
χ² / ndf 7.762e+05 / 26
p0 124.5 ± 0.0004996
125.4
125.2
125
124.8
124.6
124.4
124.2
124
123.8
123.6
123.4
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

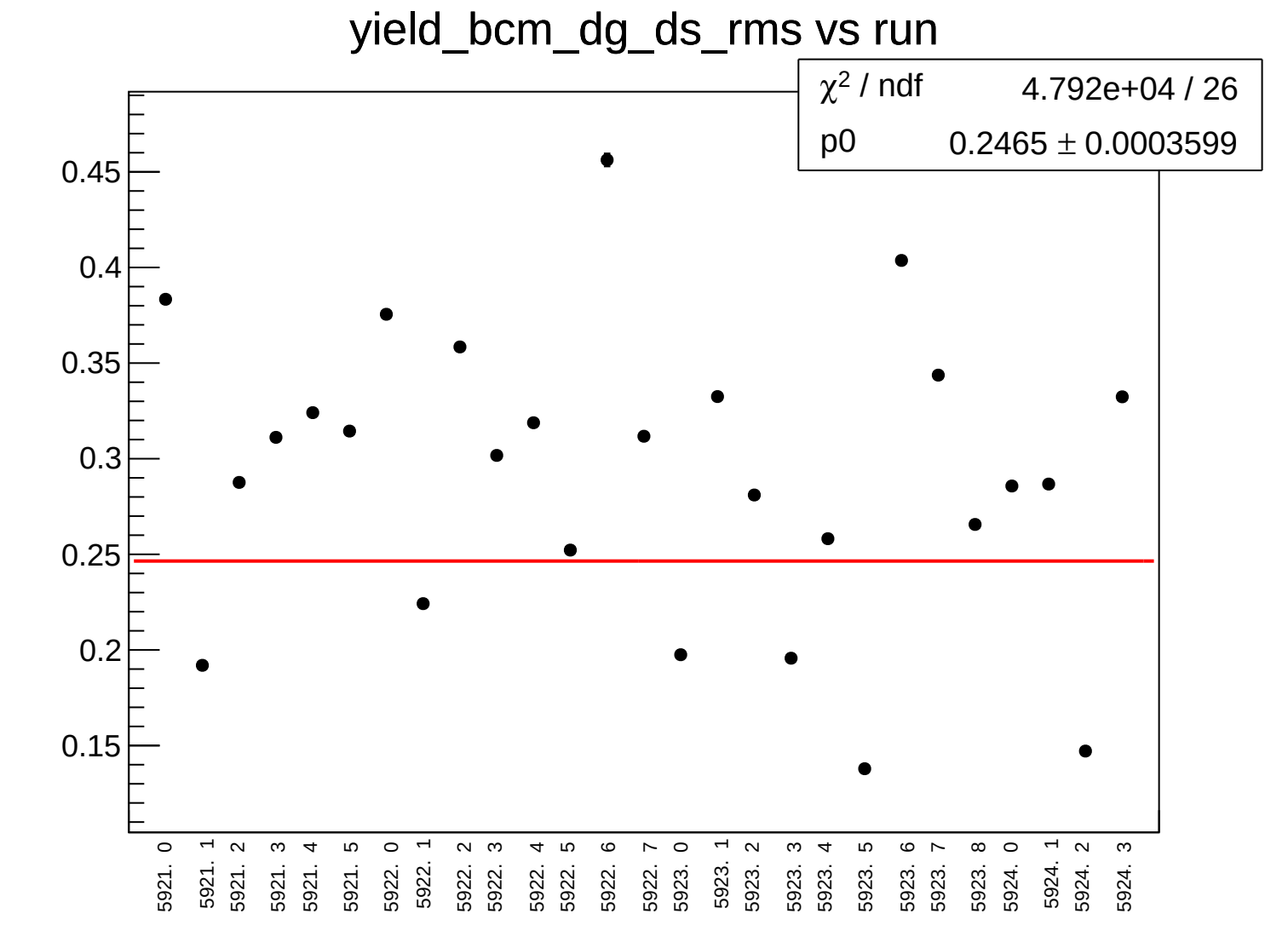

pull
Entries 27
Mean 174.6
Std Dev 0
300
200
100
0
−100
−200
−300
−400

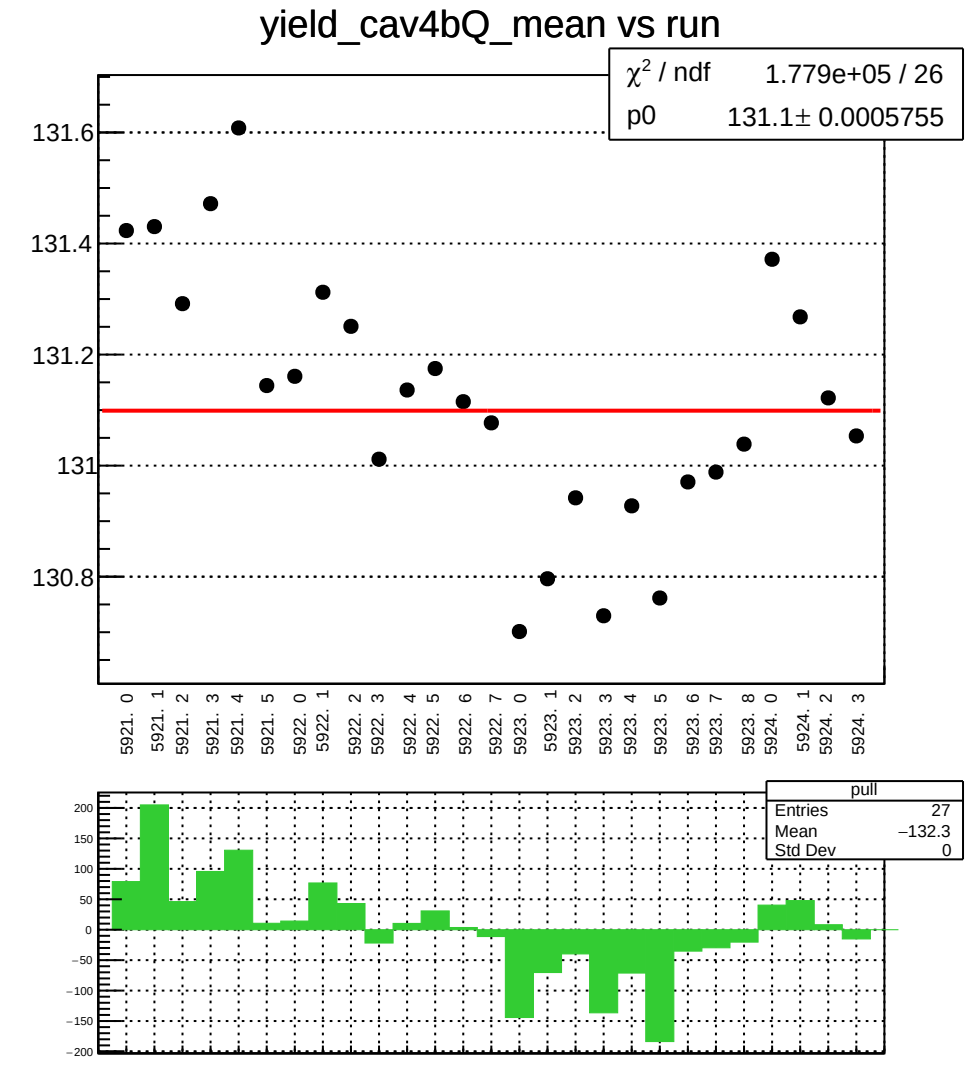

pull1D
Entries 27
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

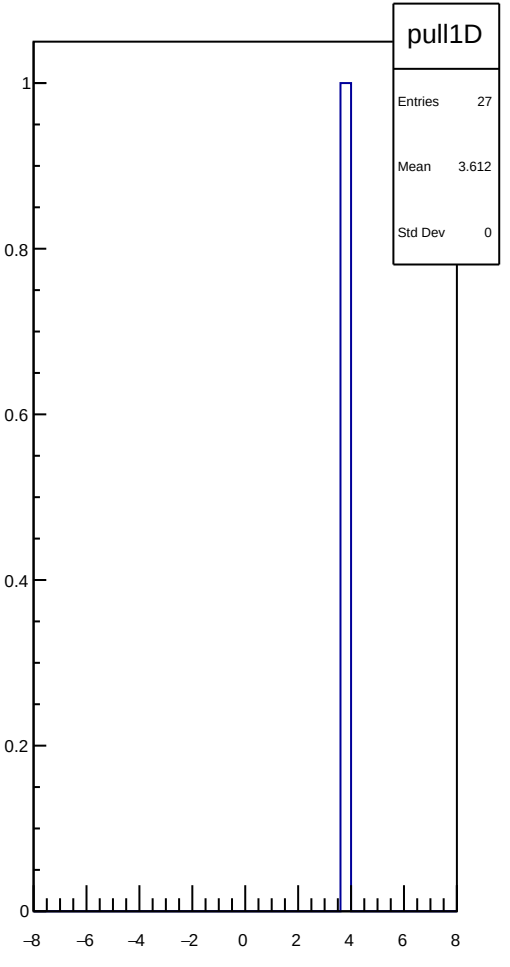

yield_bcm_dg_us_rms vs run
χ² / ndf 4.579e+04 / 26
p0 0.2425 ± 0.0003533
0.45
0.4
0.35
0.3
0.25
0.2
0.15
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

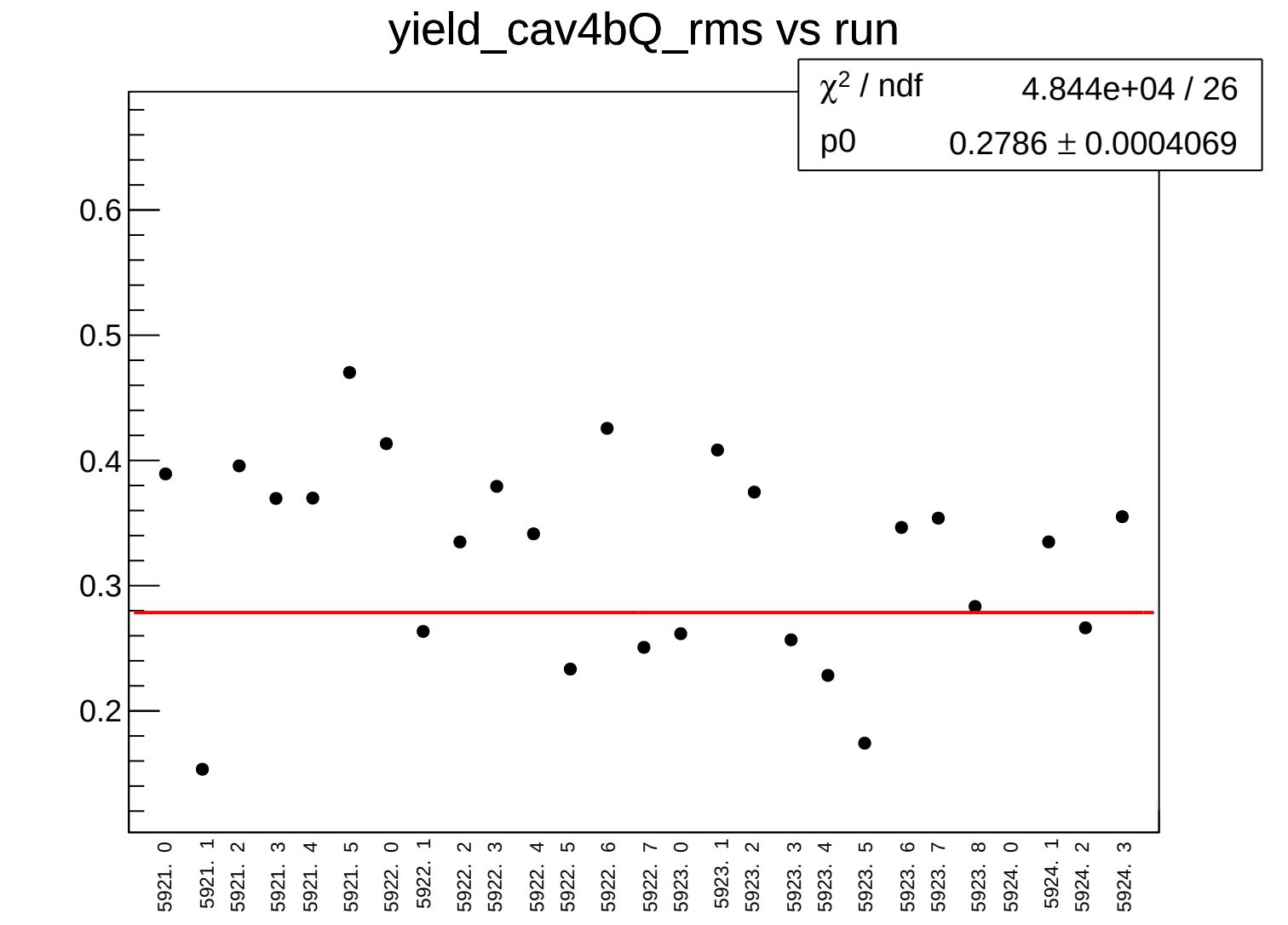

yield_bcm_dg_ds_mean vs run
χ² / ndf 1.07e+06 / 26
p0 124.6 ± 0.0005089
125.5
125
124.5
124
123.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 101
Std Dev 0
300
200
100
0
−100
−200
−300
−400

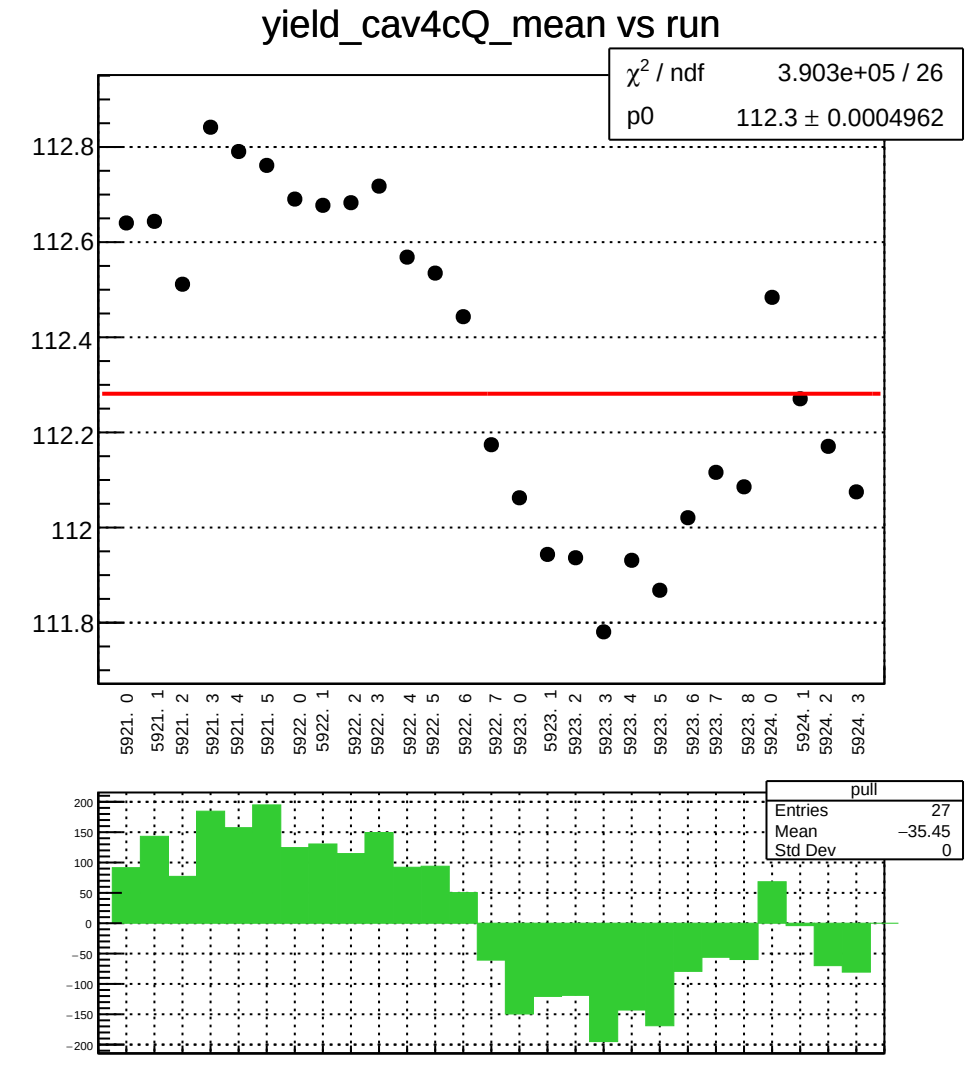

pull1D
Entries 27
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

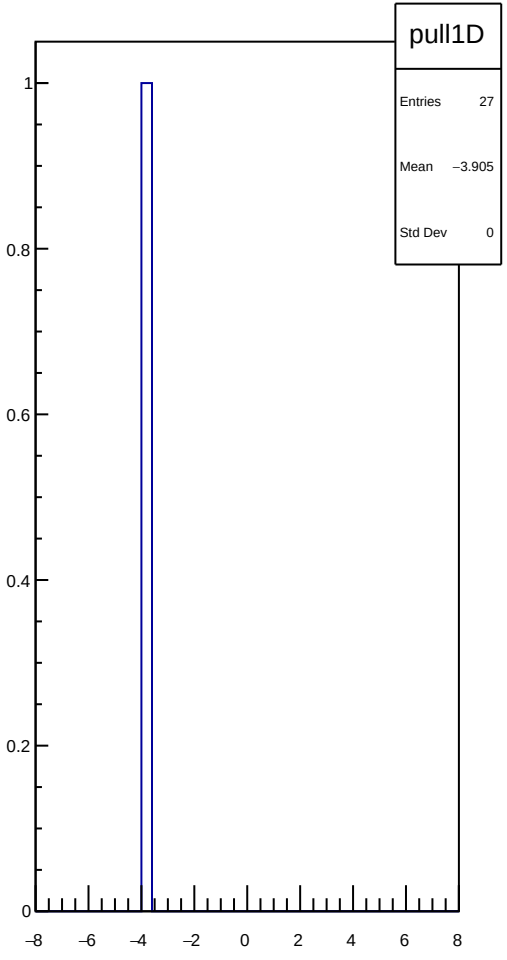

yield_bcm_dg_ds_rms vs run
χ² / ndf 4.792e+04 / 26
p0 0.2465 ± 0.0003599
0.45
0.4
0.35
0.3
0.25
0.2
0.15
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

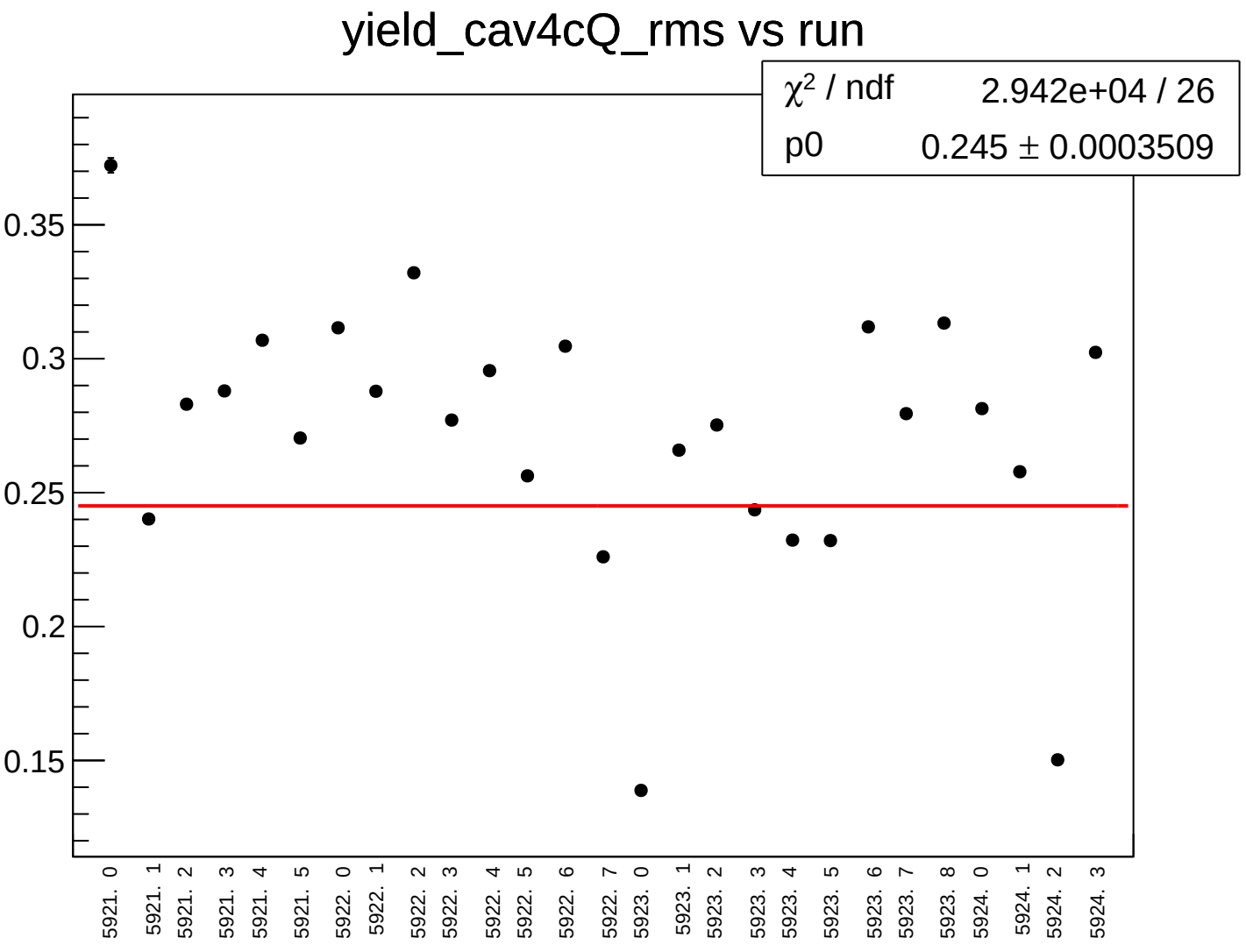

yield_cav4bQ_mean vs run
χ² / ndf 1.779e+05 / 26
p0 131.1± 0.0005755
131.6
131.4
131.2
131
130.8
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −132.3
Std Dev 0
200
150
100
50
0
−50
−100
−150
−200

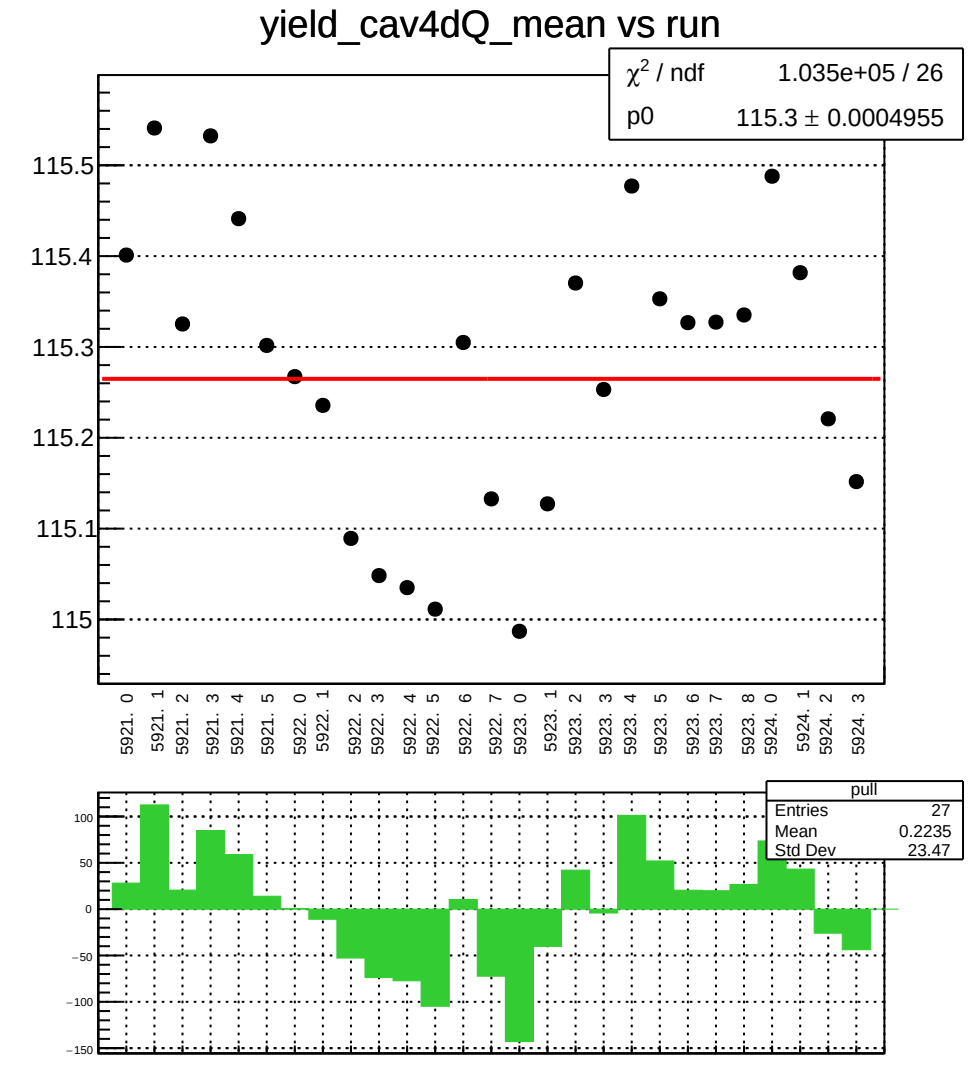

pull1D
Entries 27
Mean 3.612
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

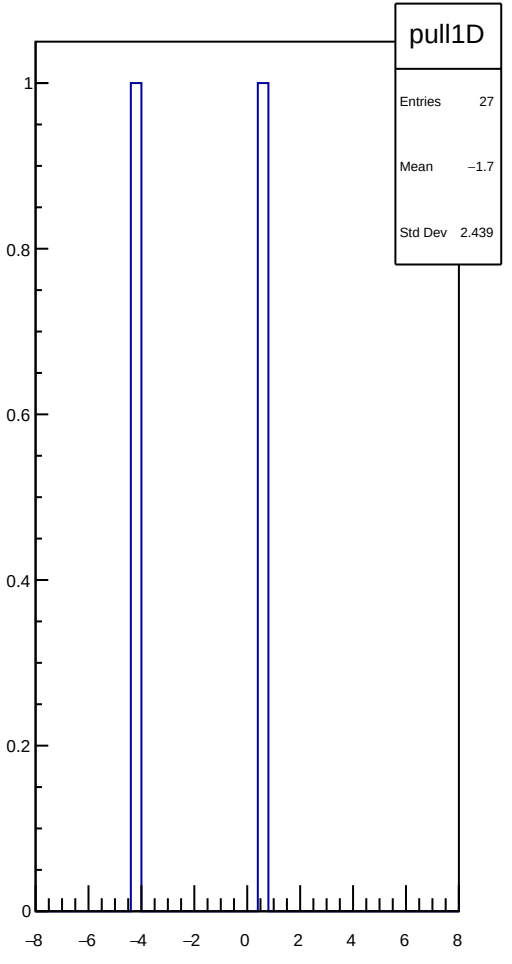

yield_cav4bQ_rms vs run
χ² / ndf 4.844e+04 / 26
p0 0.2786 ± 0.0004069
0.6
0.5
0.4
0.3
0.2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

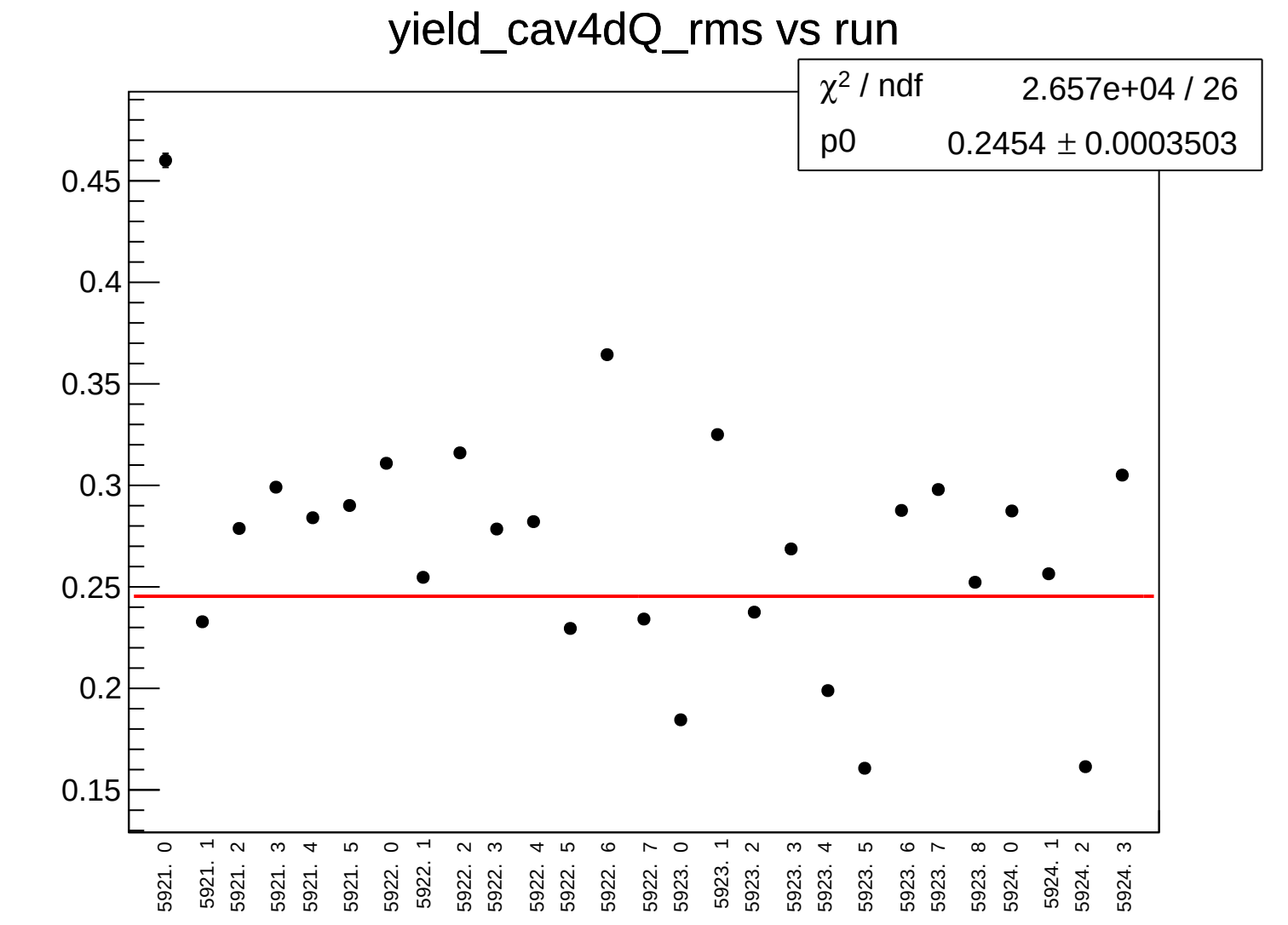

yield_cav4cQ_mean vs run
χ² / ndf 3.903e+05 / 26
p0 112.3 ± 0.0004962
112.8
112.6
112.4
112.2
112
111.8
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −35.45
Std Dev 0
200
150
100
50
0
−50
−100
−150
−200

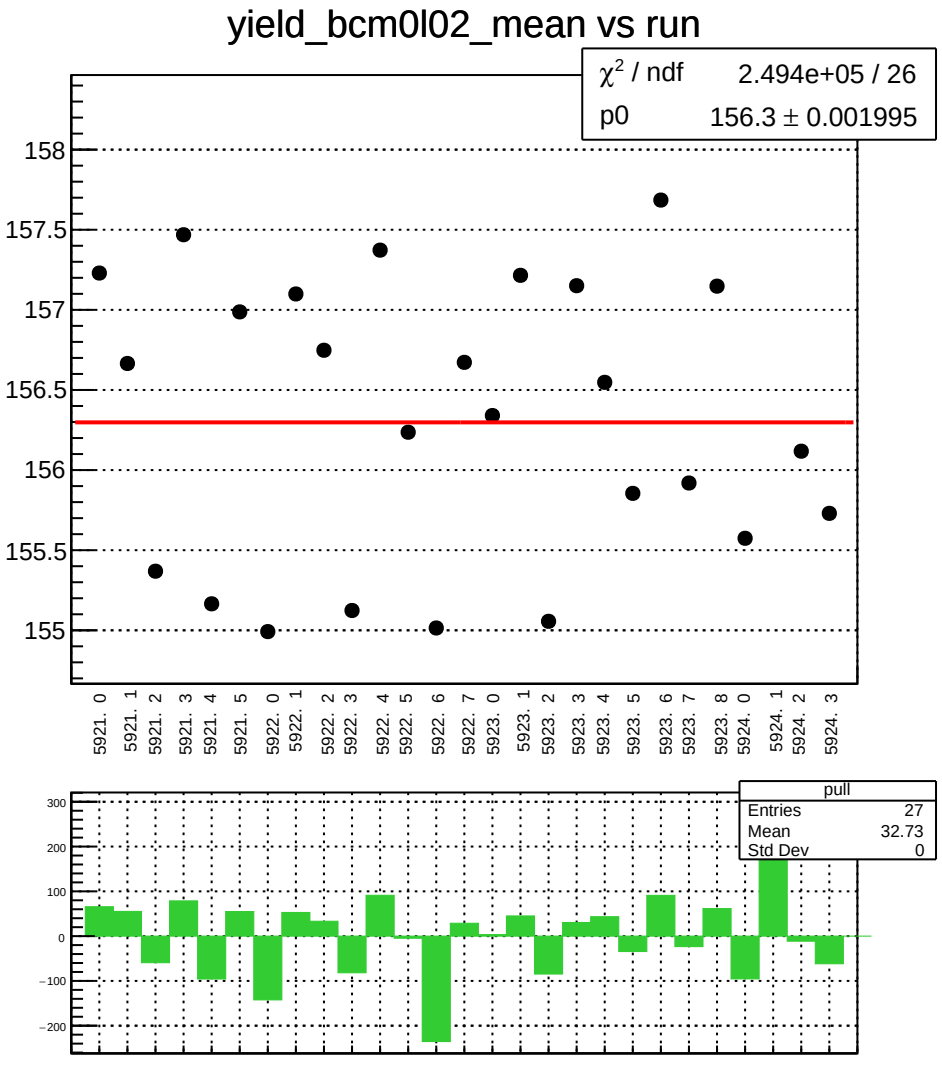

pull1D
Entries 27
Mean −3.905
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

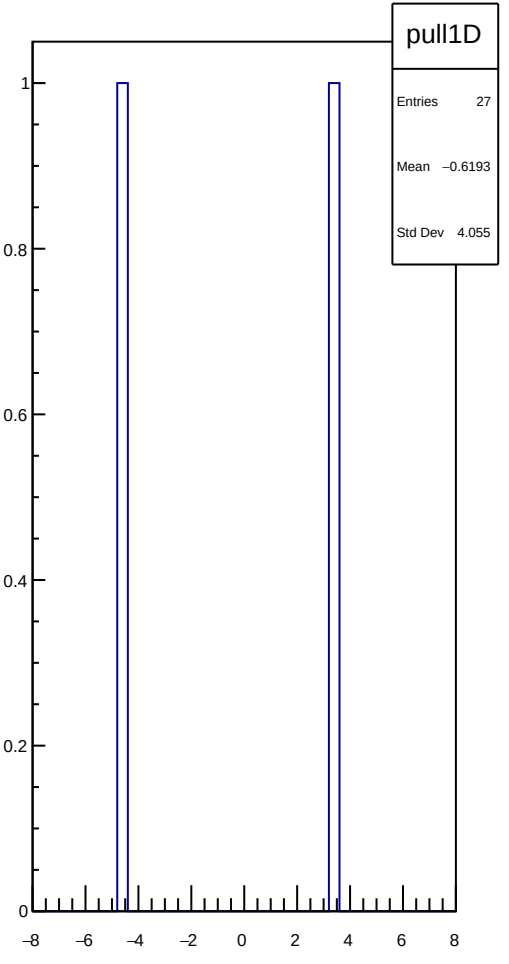

yield_cav4cQ_rms vs run
χ² / ndf 2.942e+04 / 26
p0 0.245 ± 0.0003509
0.35
0.3
0.25
0.2
0.15
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

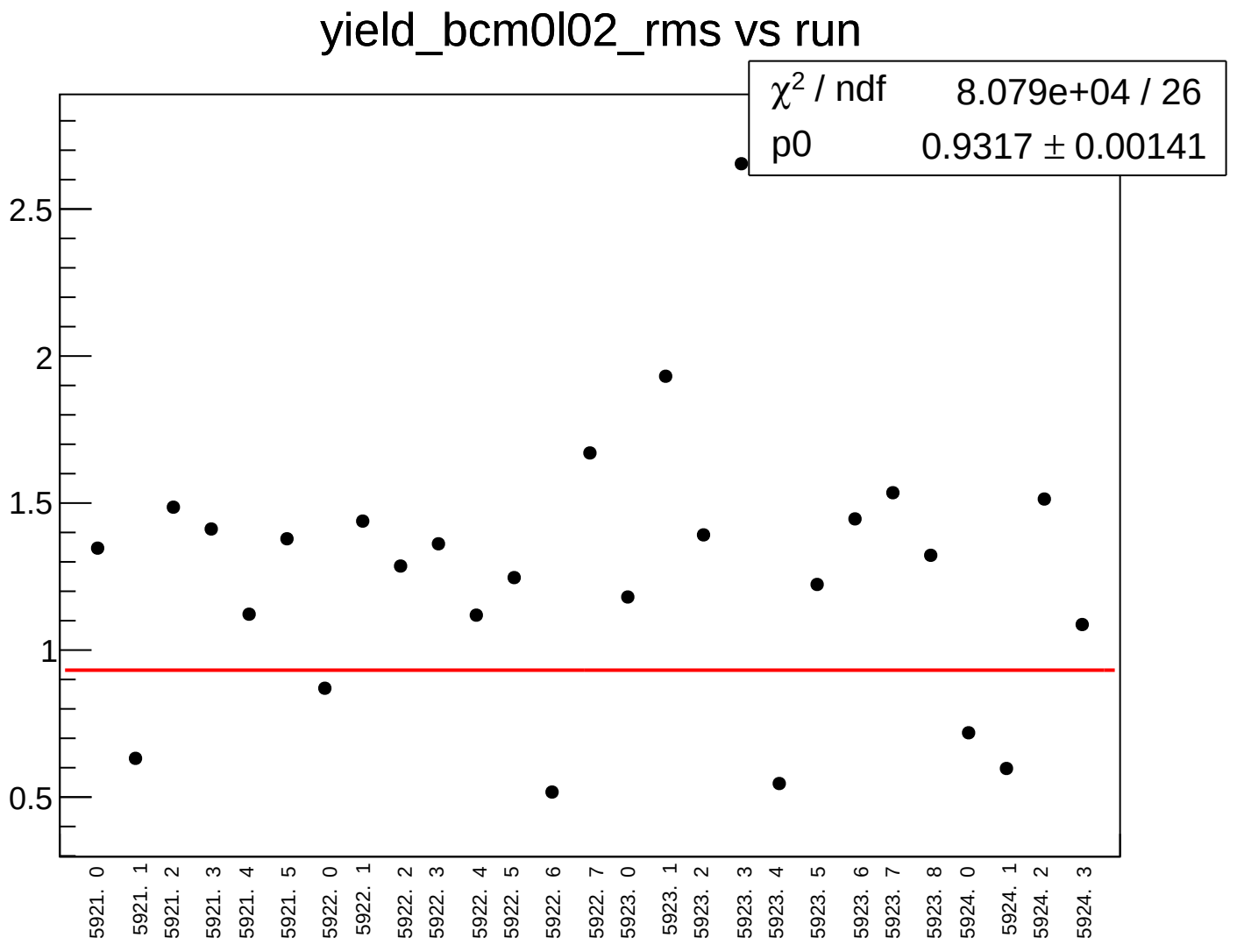

yield_cav4dQ_mean vs run
χ² / ndf 1.035e+05 / 26
p0 115.3 ± 0.0004955
115.5
115.4
115.3
115.2
115.1
115
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 0.2235
Std Dev 23.47
100
50
0
−50
−100
−150

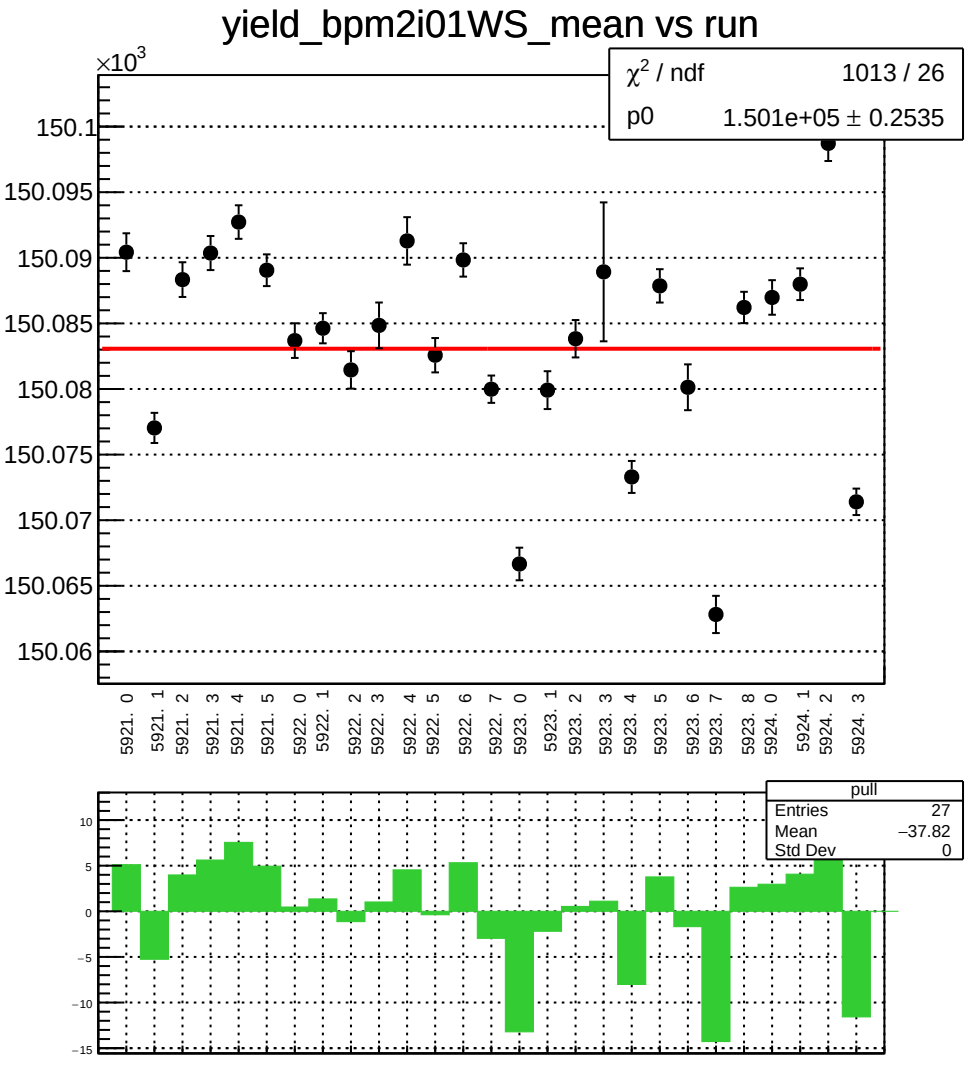

pull1D
Entries 27
Mean −1.7
Std Dev 2.439
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

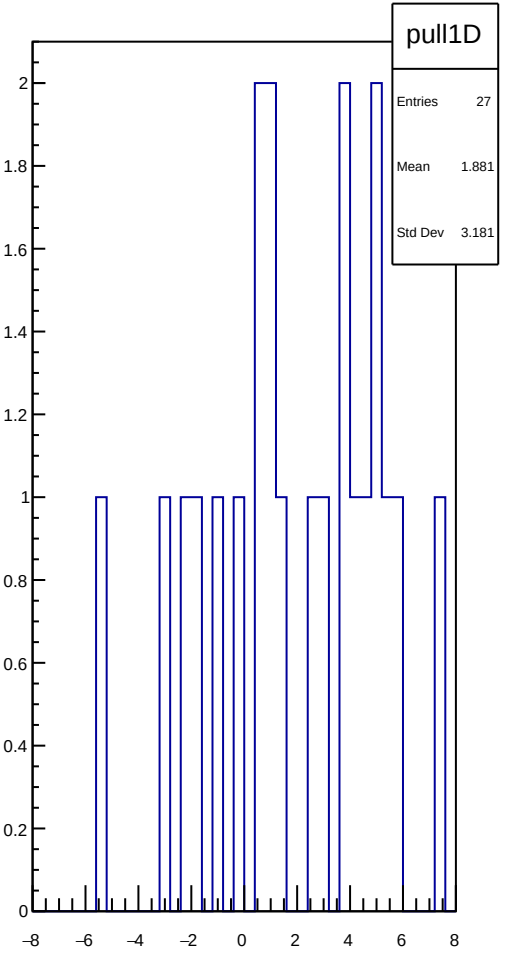

yield_cav4dQ_rms vs run
χ² / ndf 2.657e+04 / 26
p0 0.2454 ± 0.0003503
0.45
0.4
0.35
0.3
0.25
0.2
0.15
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

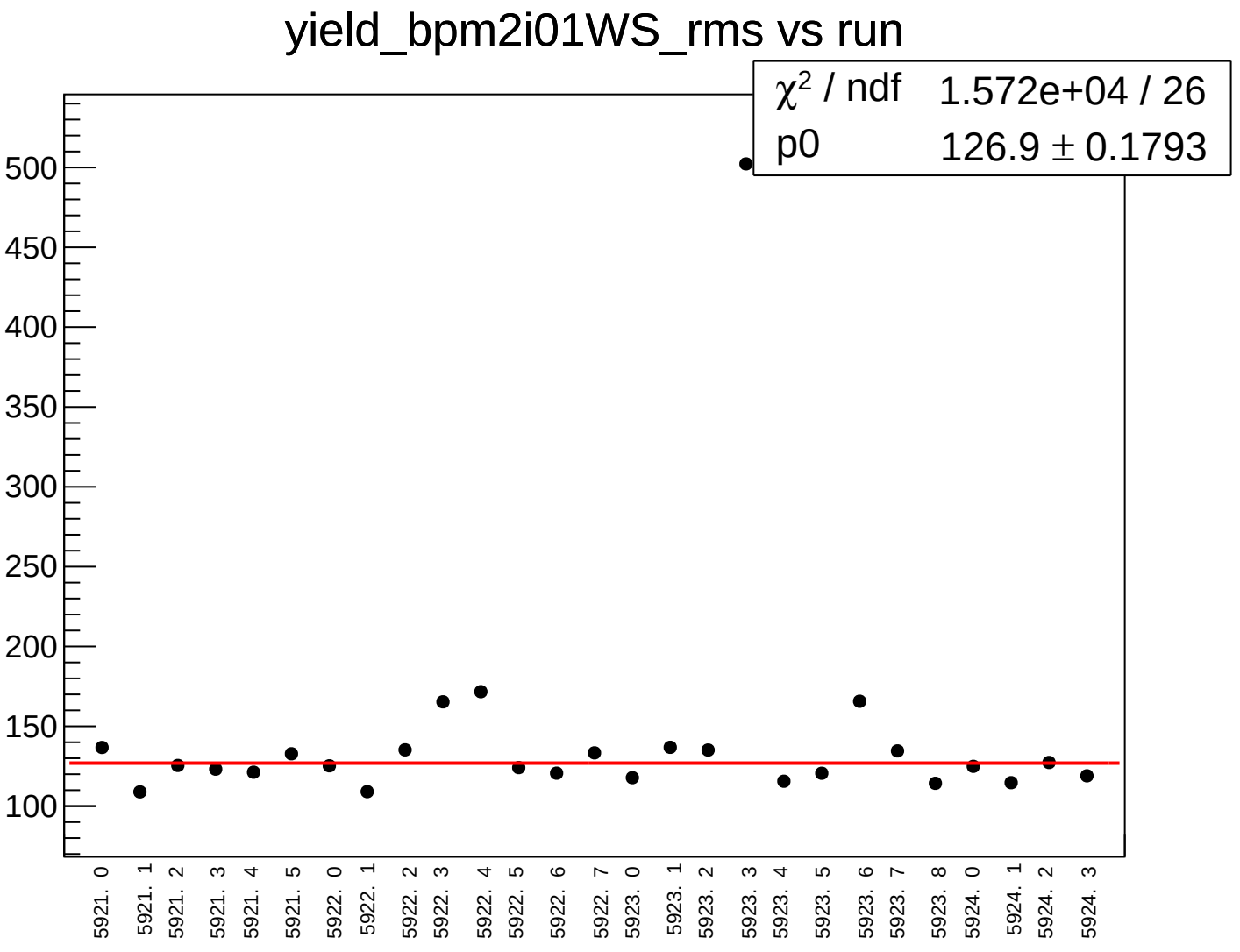

yield_bcm0l02_mean vs run
χ² / ndf 2.494e+05 / 26
p0 156.3 ± 0.001995
158
157.5
157
156.5
156
155.5
155
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 32.73
Std Dev 0
300
200
100
0
−100
−200

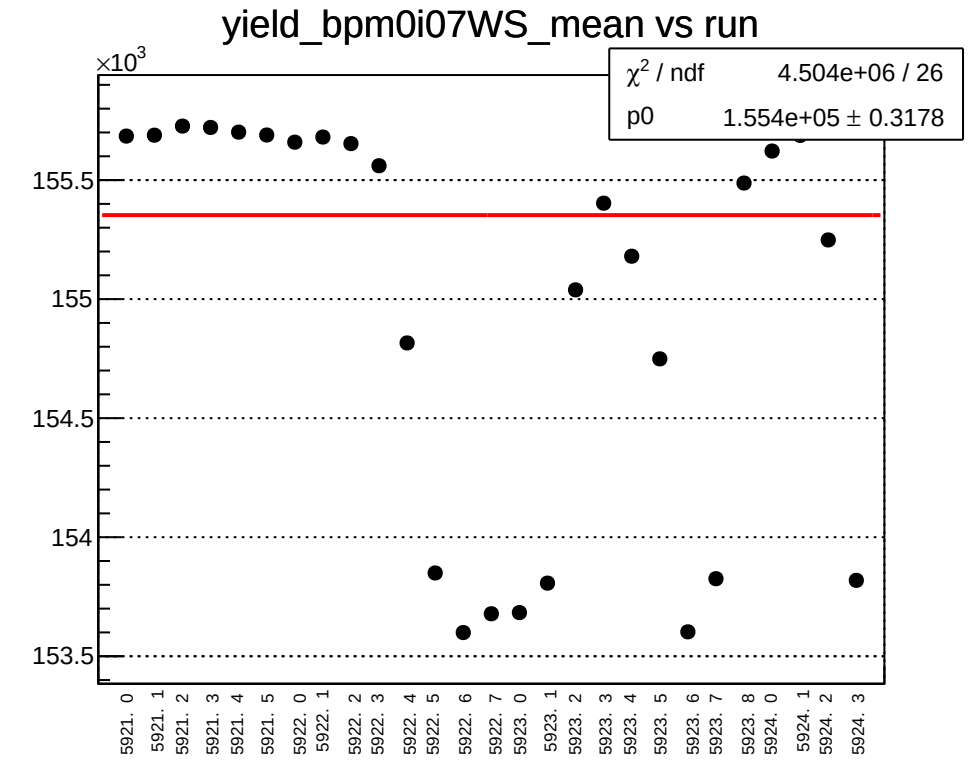

pull1D
Entries 27
Mean −0.6193
Std Dev 4.055
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

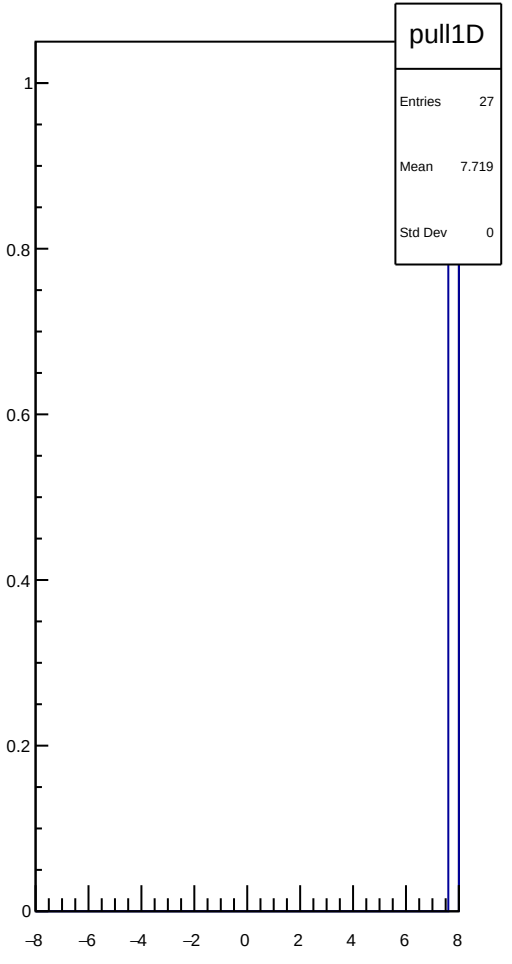

yield_bcm0l02_rms vs run
χ² / ndf 8.079e+04 / 26
p0 0.9317 ± 0.00141
2.5
2
1.5
1
0.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

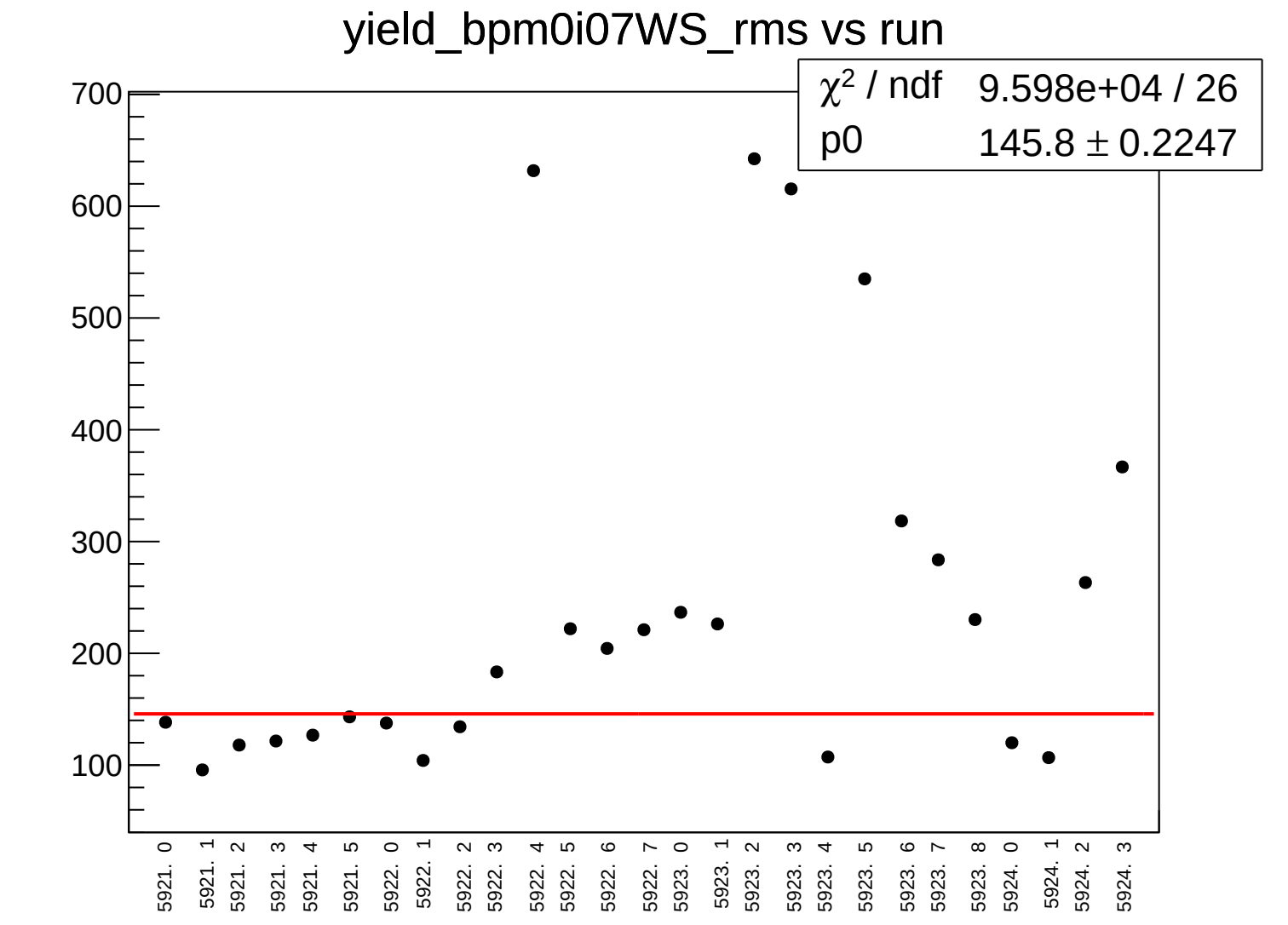

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 1013 / 26
p0 1.501e+05 ± 0.2535
150.1
150.095
150.09
150.085
150.08
150.075
150.07
150.065
150.06
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −37.82
Std Dev 0
10
5
0
−5
−10
−15

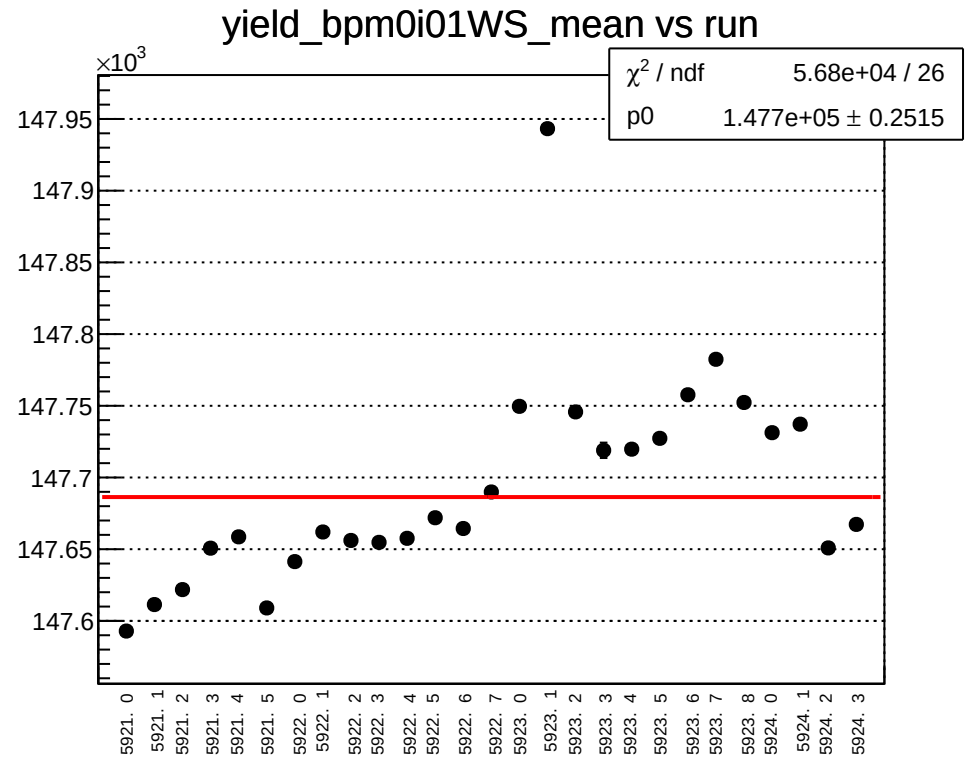

pull1D
Entries 27
Mean 1.881
Std Dev 3.181
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

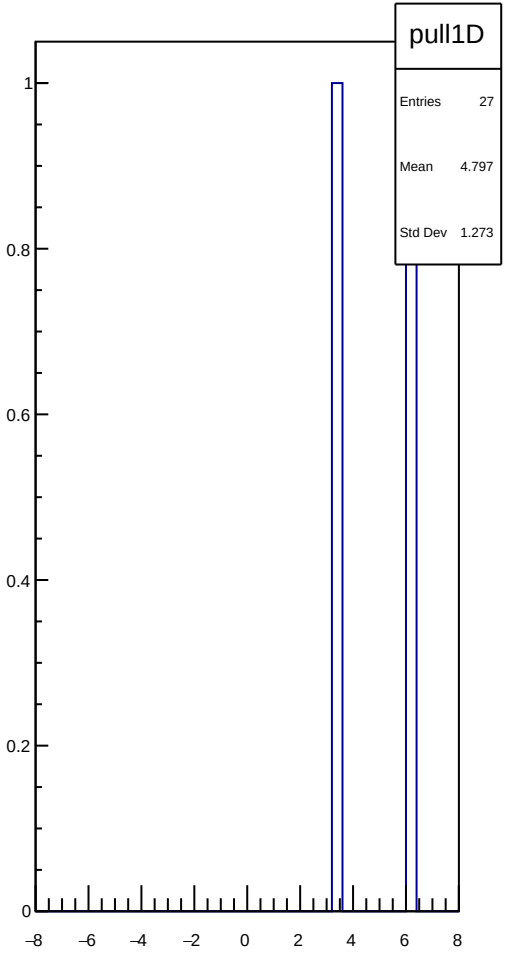

yield_bpm2i01WS_rms vs run
χ² / ndf 1.572e+04 / 26
p0 126.9 ± 0.1793
500
450
400
350
300
250
200
150
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

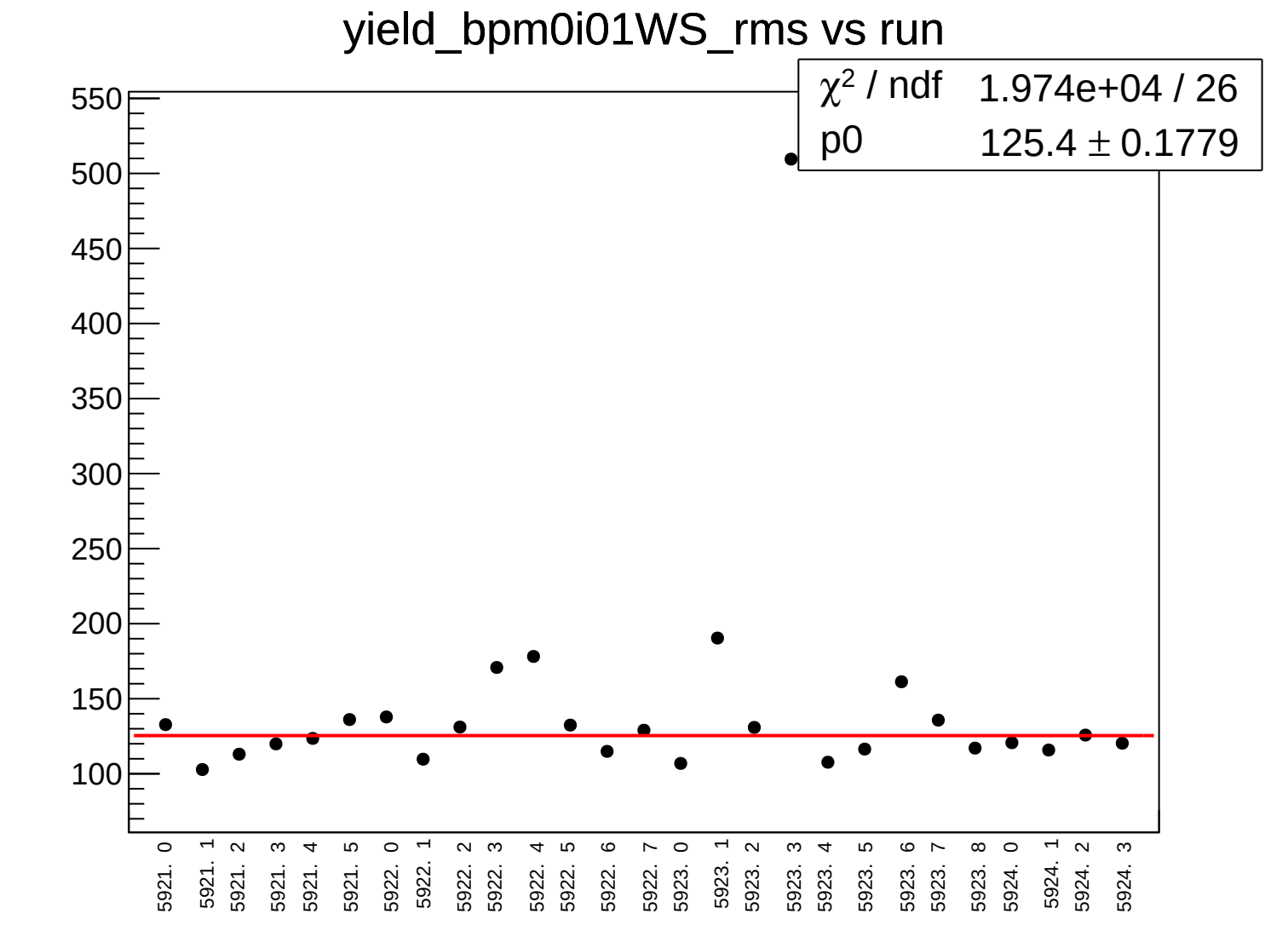

yield_bpm0i07WS_mean vs run
×10^3
χ^2 / ndf 4.504e+06 / 26
p0 1.554e+05 ± 0.3178
155.5
155
154.5
154
153.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 25.76
Std Dev 0
400
200
0
−200
−400
−600
−800
−1000

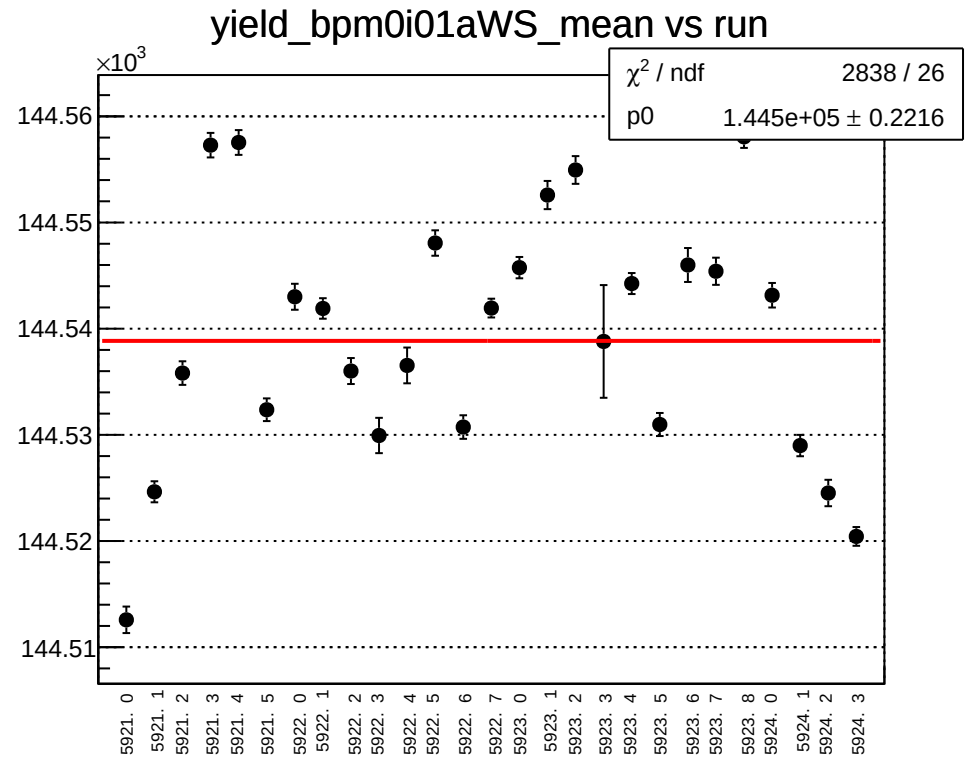

pull1D
Entries 27
Mean 7.719
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

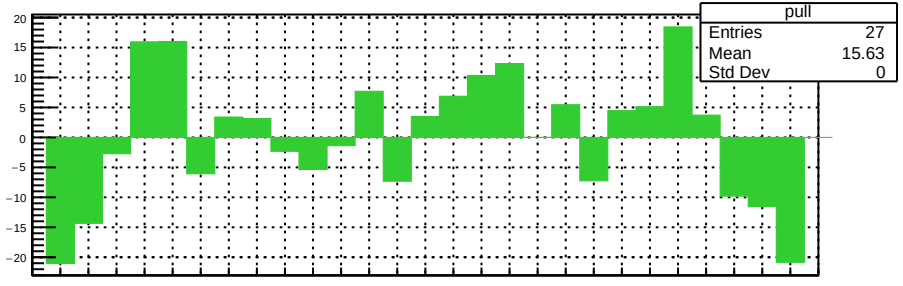

yield_bpm0i07WS_rms vs run
χ² / ndf 9.598e+04 / 26
p0 145.8 ± 0.2247
700
600
500
400
300
200
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

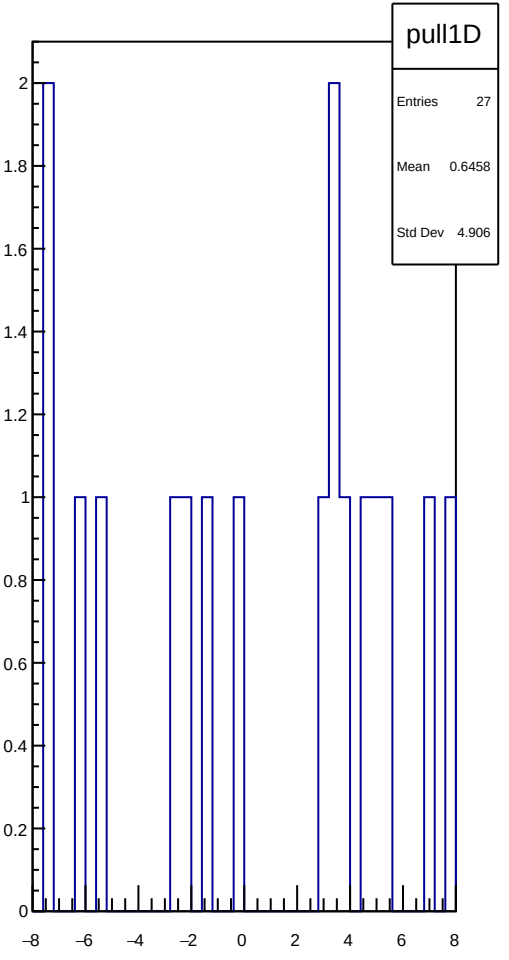

yield_bpm0i01WS_mean vs run
×10^3
χ^2 / ndf 5.68e+04 / 26
p0 1.477e+05 ± 0.2515
147.95
147.9
147.85
147.8
147.75
147.7
147.65
147.6
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 123.2
Std Dev 0
120
100
80
60
40
20
0
−20
−40
−60

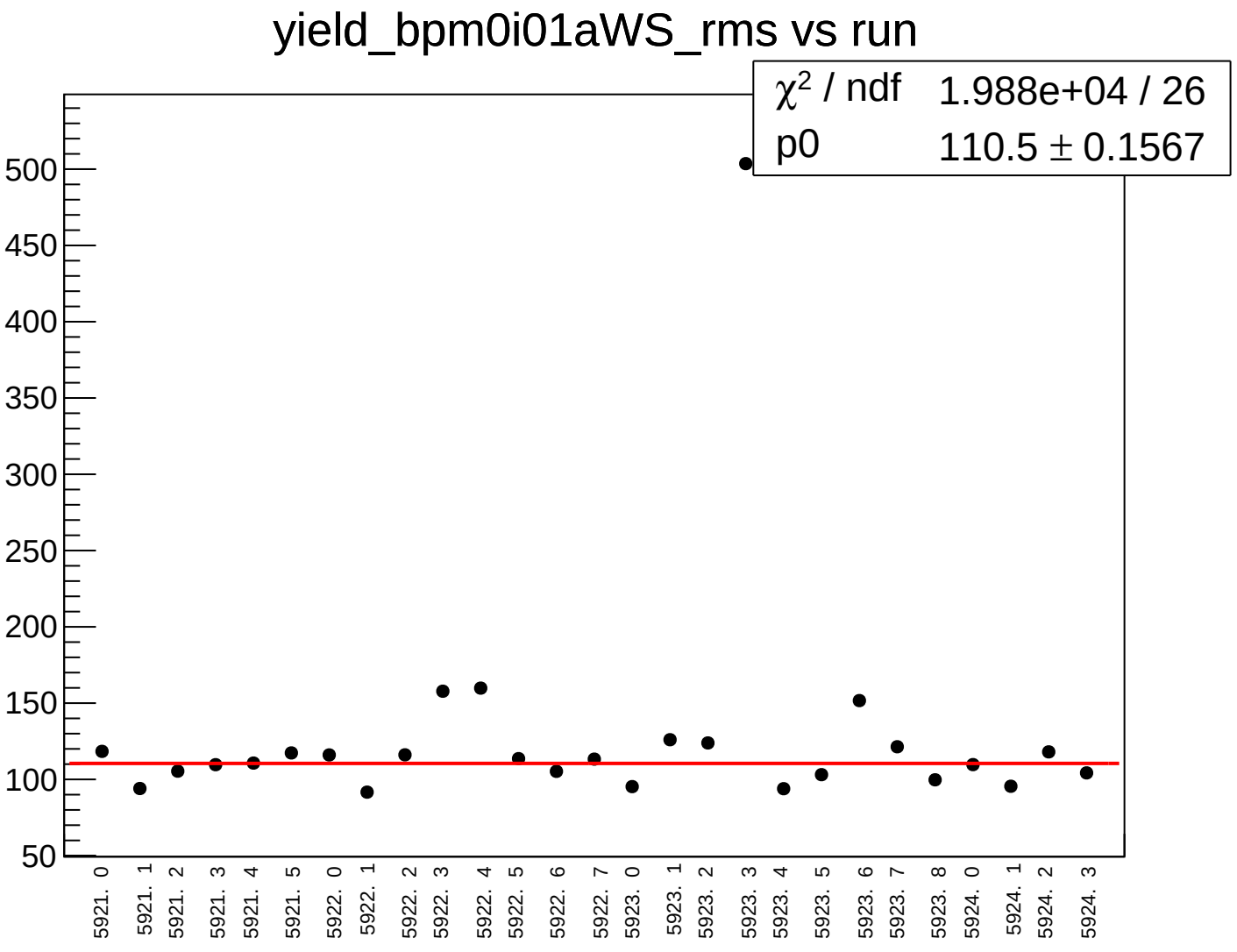

pull1D
Entries 27
Mean 4.797
Std Dev 1.273
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

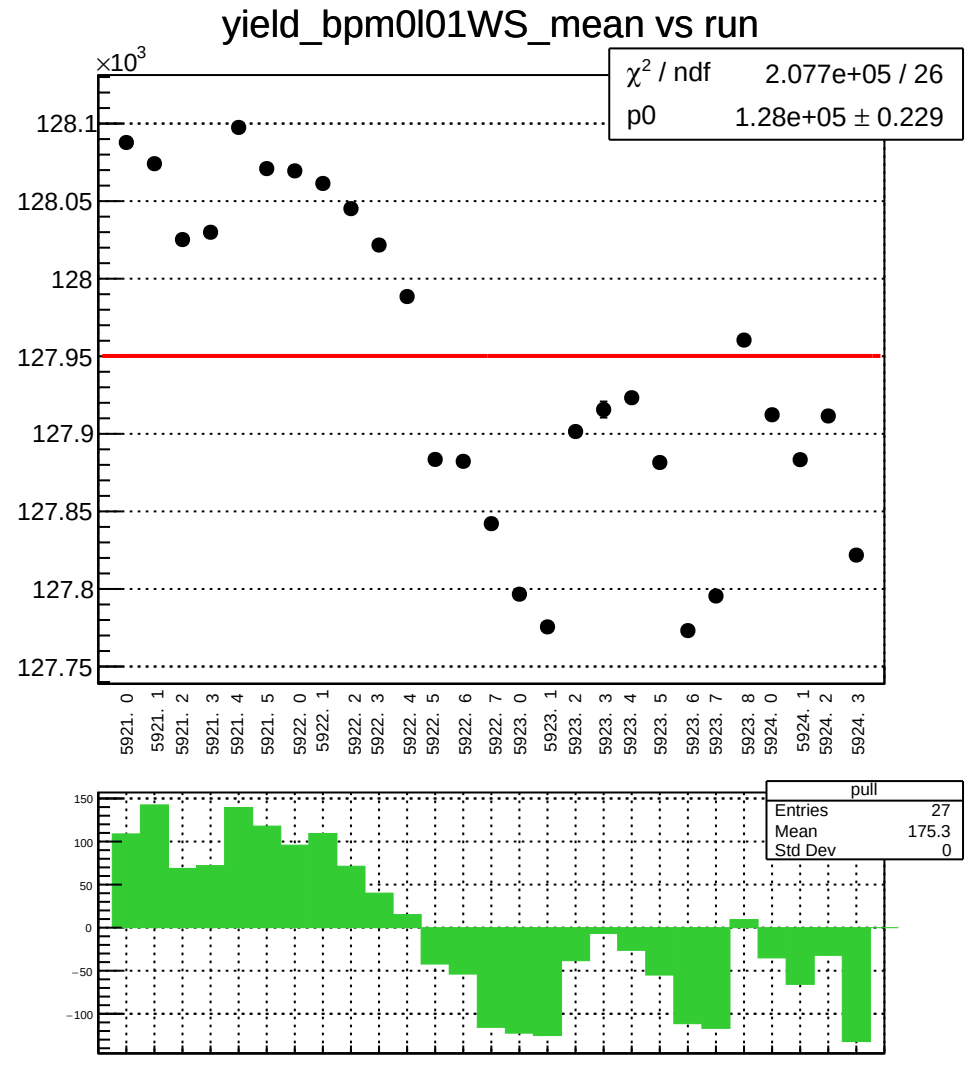

yield_bpm0i01WS_rms vs run
χ² / ndf 1.974e+04 / 26
p0 125.4 ± 0.1779
550
500
450
400
350
300
250
200
150
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

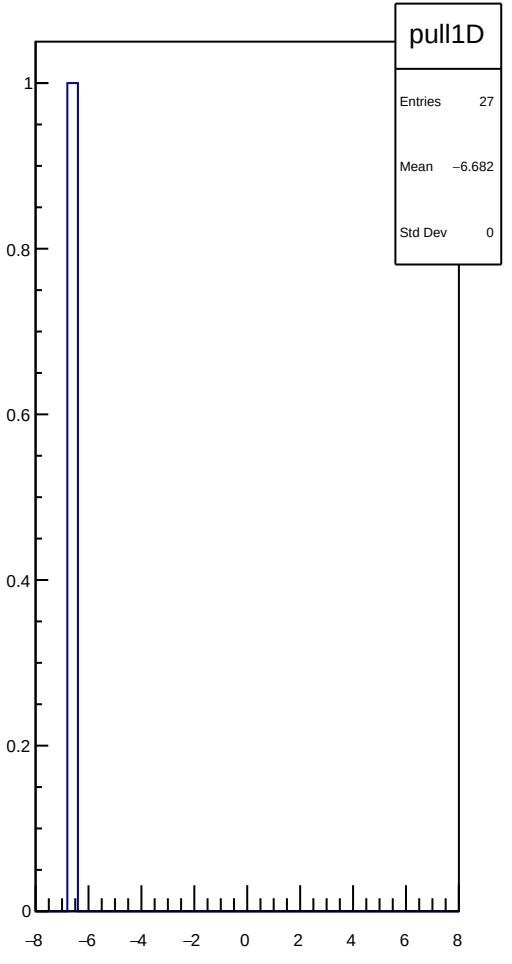

yield_bpm0i01aWS_mean vs run
×10^3
χ² / ndf 2838 / 26
p0 1.445e+05 ± 0.2216
144.56
144.55
144.54
144.53
144.52
144.51
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

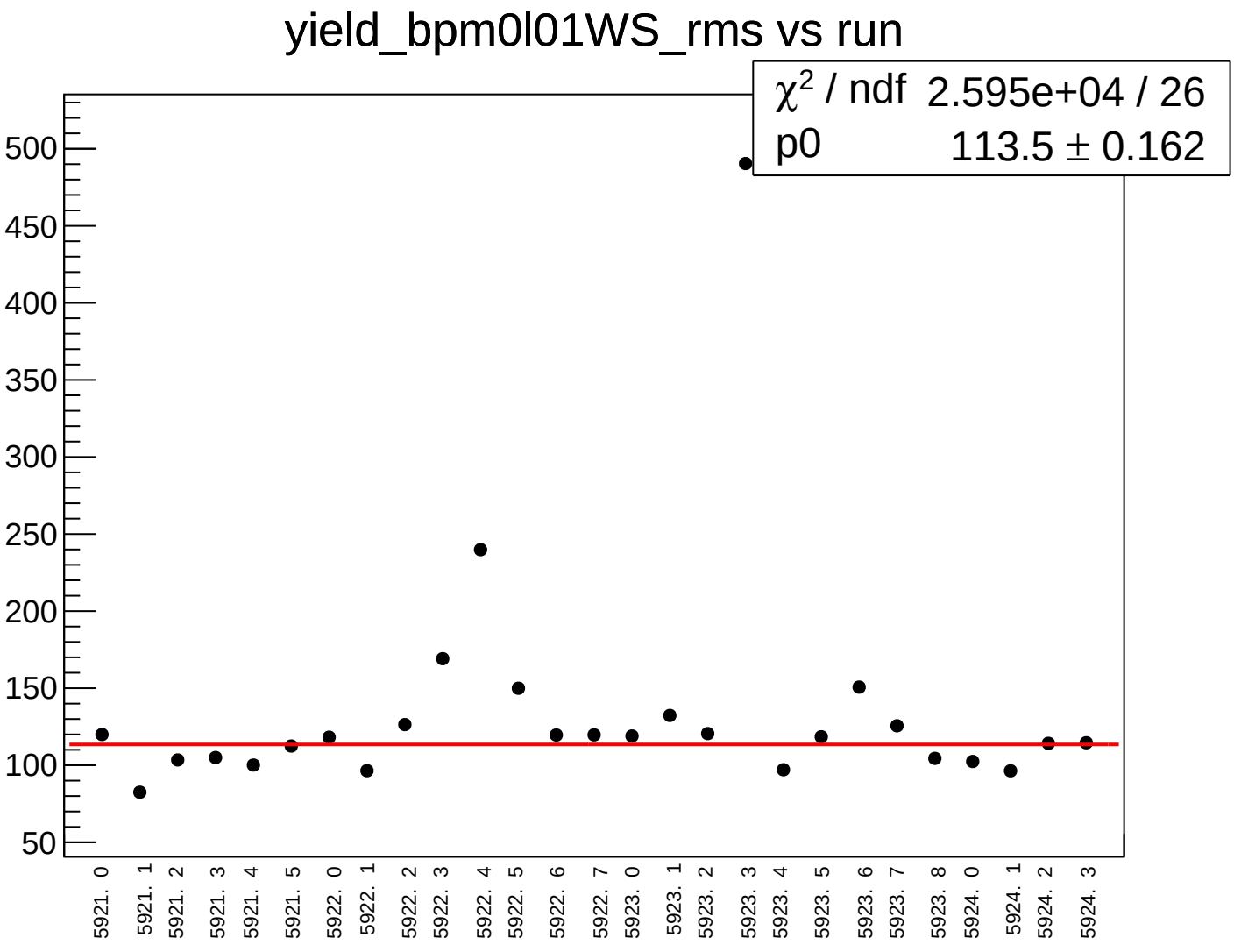

pull
Entries 27
Mean 15.63
Std Dev 0
20
15
10
5
0
−5
−10
−15
−20

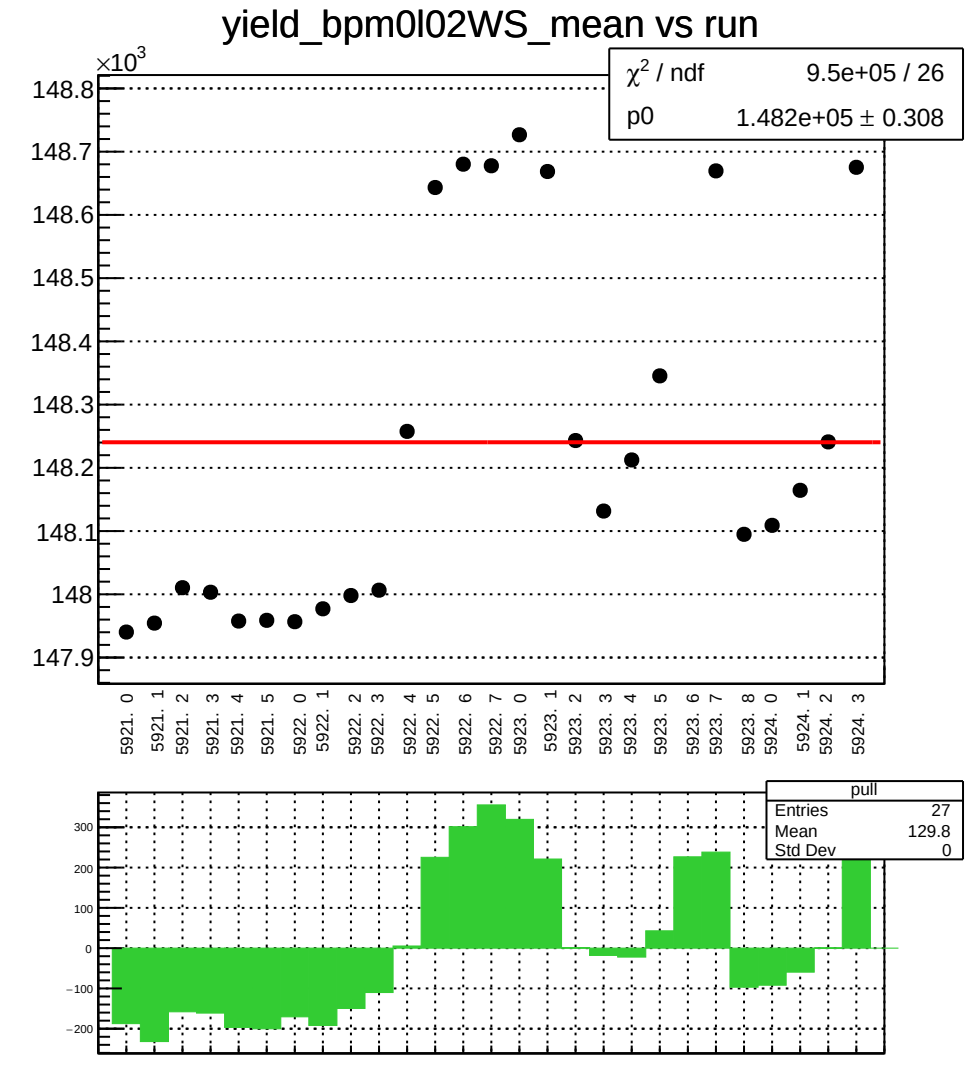

pull1D
Entries 27
Mean 0.6458
Std Dev 4.906
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

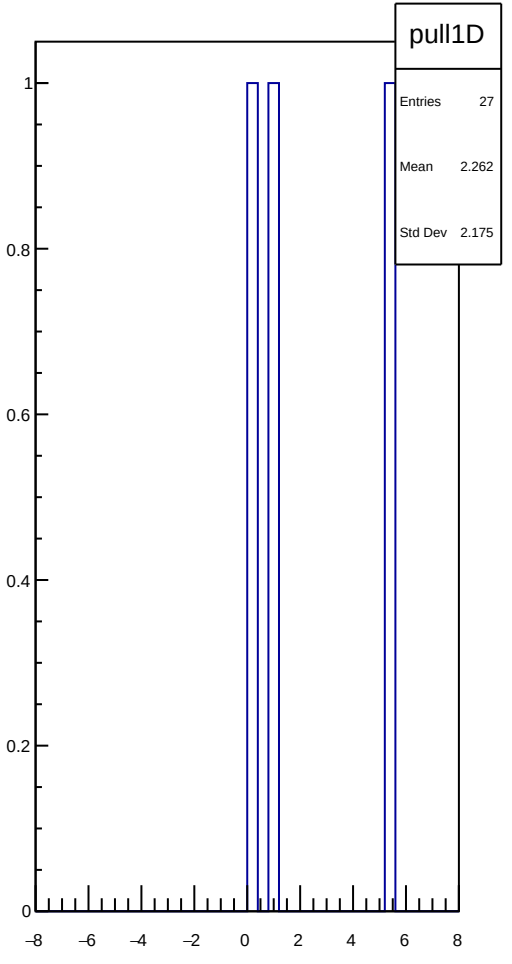

yield_bpm0i01aWS_rms vs run
χ² / ndf 1.988e+04 / 26
p0 110.5 ± 0.1567
500
450
400
350
300
250
200
150
100
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

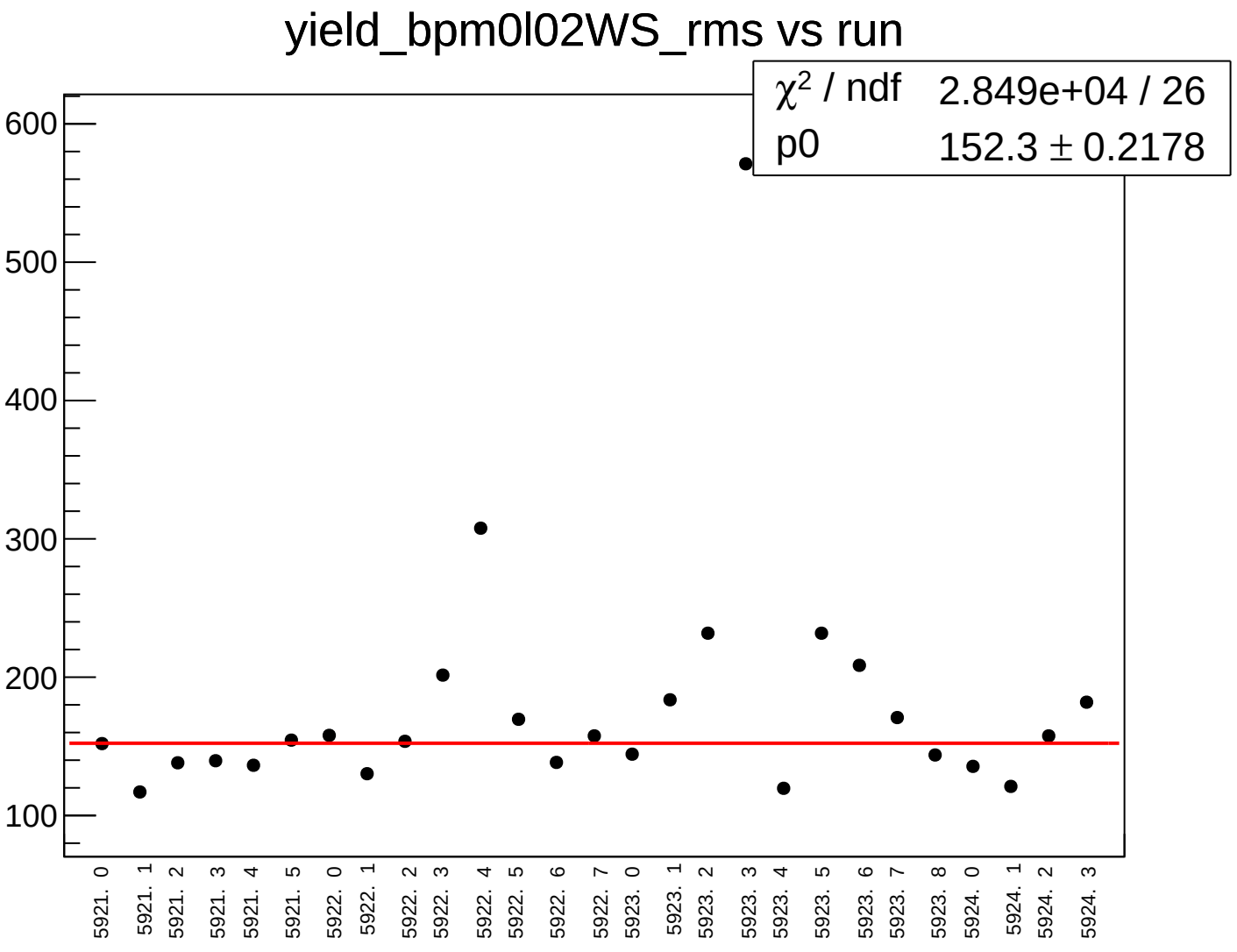

yield_bpm0l01WS_mean vs run
×10^3
χ² / ndf 2.077e+05 / 26
p0 1.28e+05 ± 0.229
128.1
128.05
128
127.95
127.9
127.85
127.8
127.75
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 175.3
Std Dev 0
150
100
50
0
−50
−100

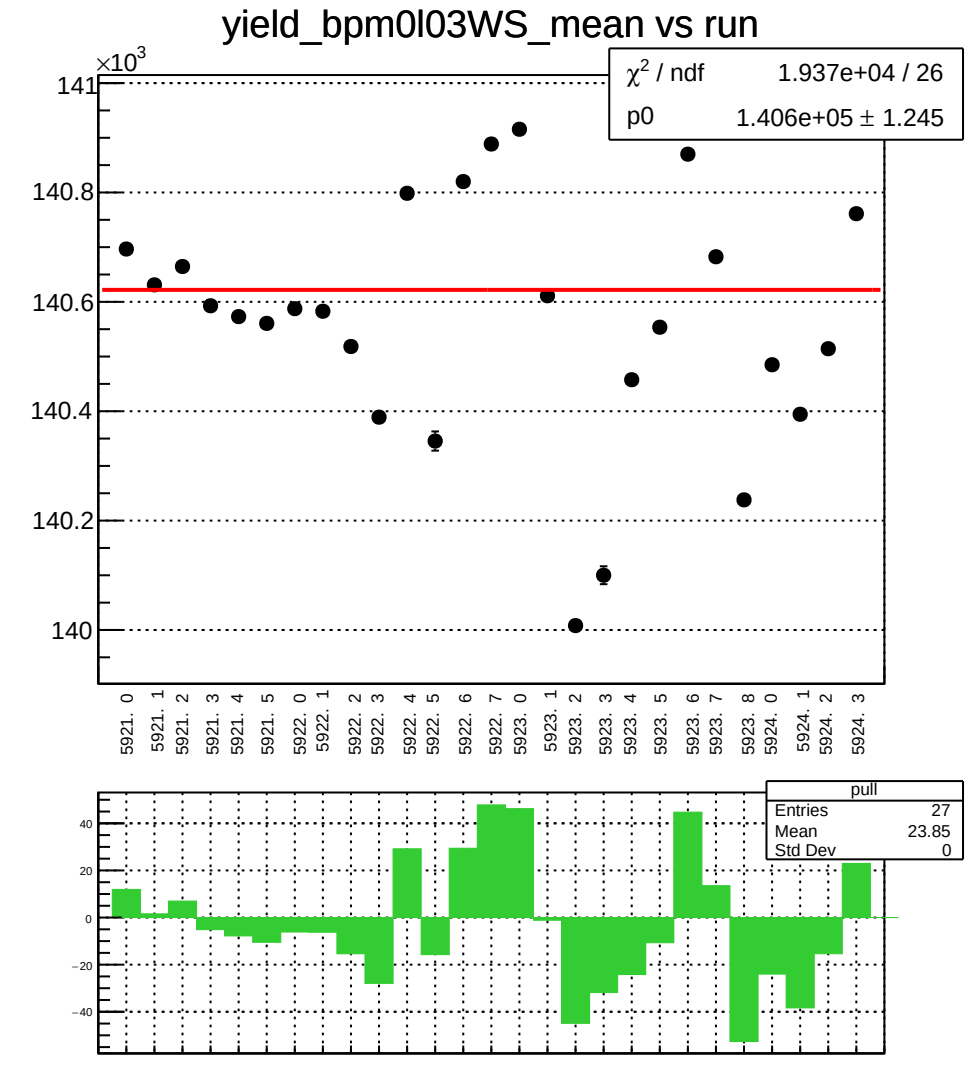

pull1D
Entries 27
Mean −6.682
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

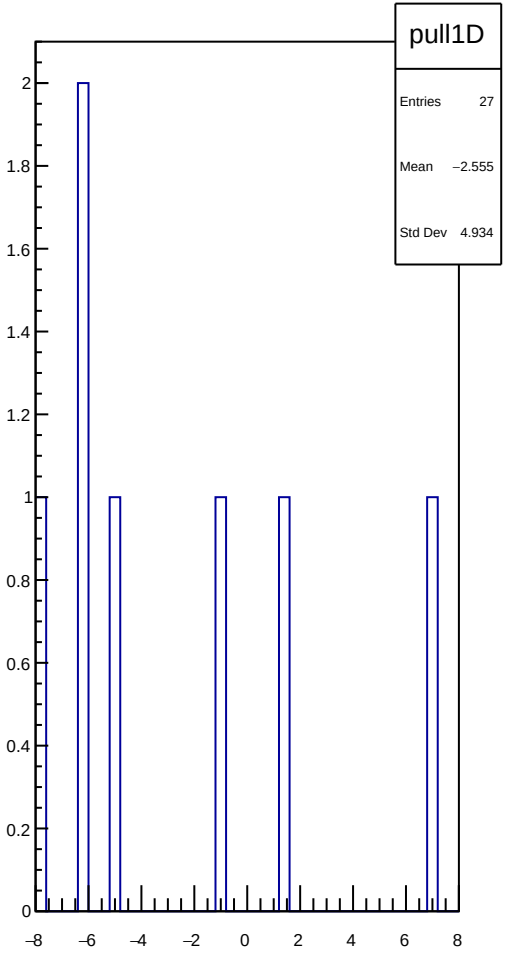

yield_bpm0l01WS_rms vs run
χ² / ndf 2.595e+04 / 26
p0 113.5 ± 0.162
500
450
400
350
300
250
200
150
100
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

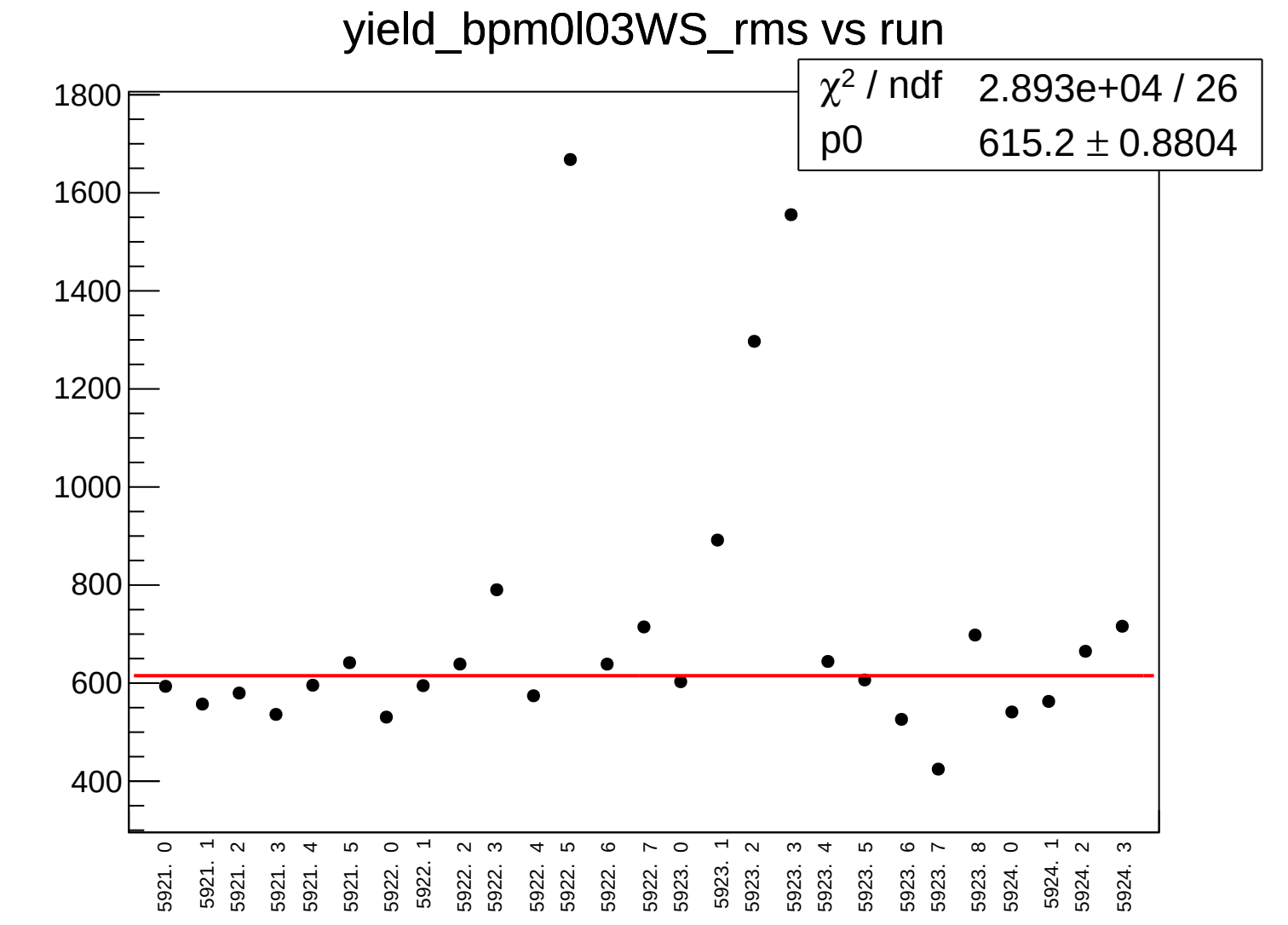

yield_bpm0l02WS_mean vs run
×10^3
χ^2 / ndf 9.5e+05 / 26
p0 1.482e+05 ± 0.308
148.8
148.7
148.6
148.5
148.4
148.3
148.2
148.1
148
147.9
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 129.8
Std Dev 0
300
200
100
0
−100
−200

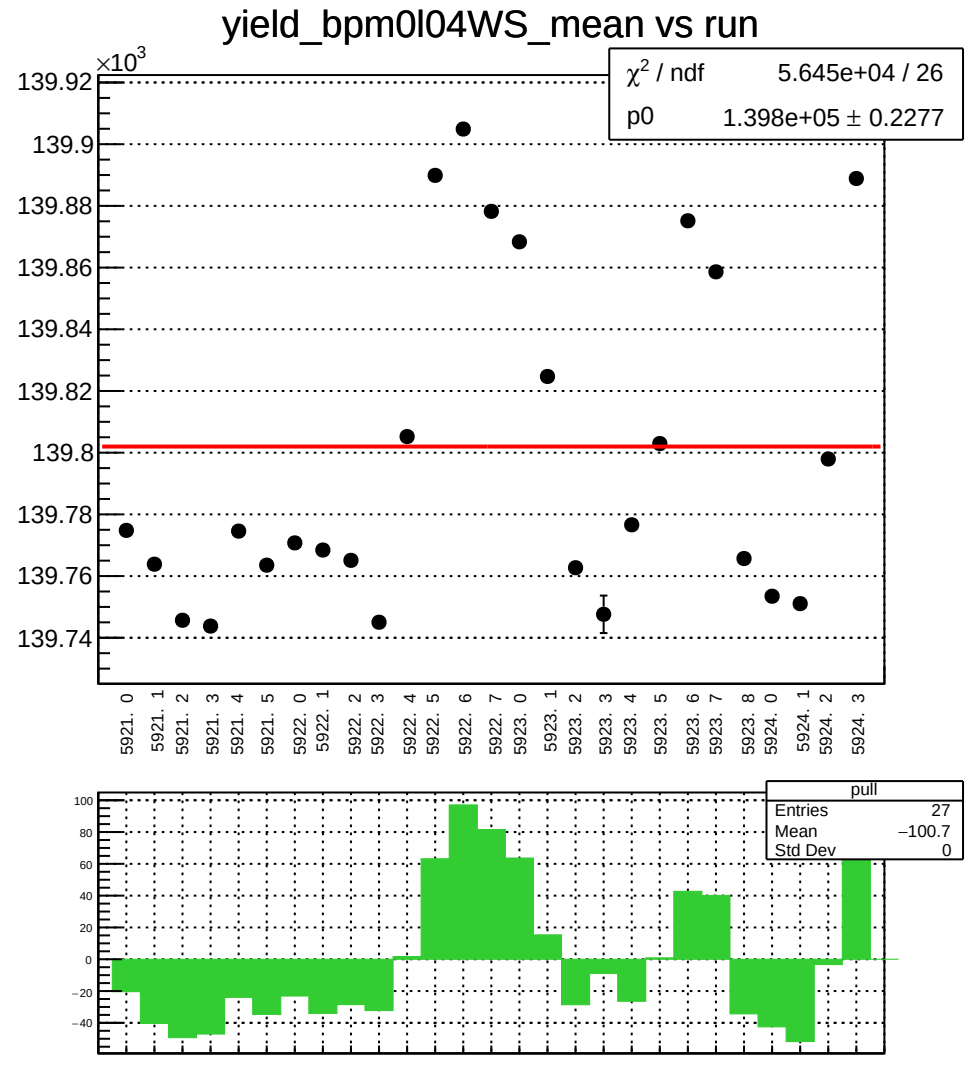

pull1D
Entries 27
Mean 2.262
Std Dev 2.175
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

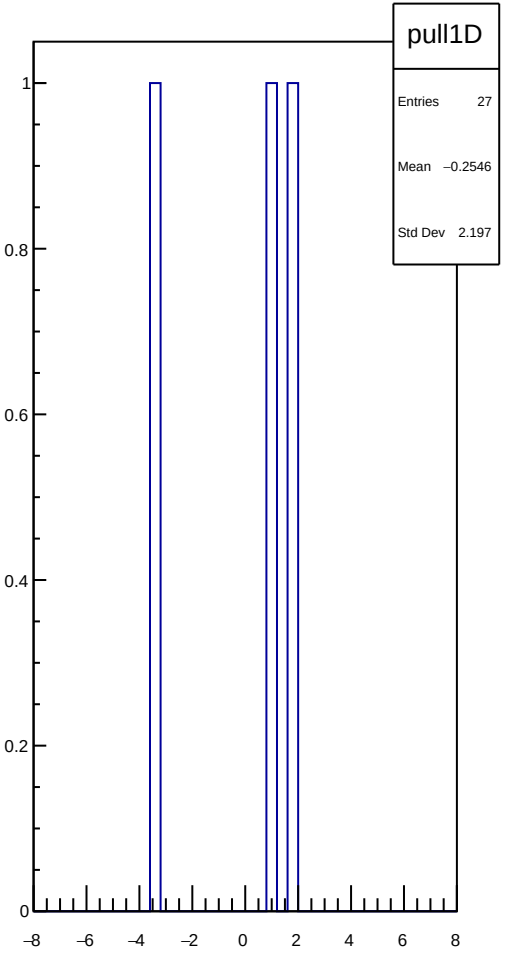

yield_bpm0l02WS_rms vs run
χ² / ndf 2.849e+04 / 26
p0 152.3 ± 0.2178
600
500
400
300
200
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

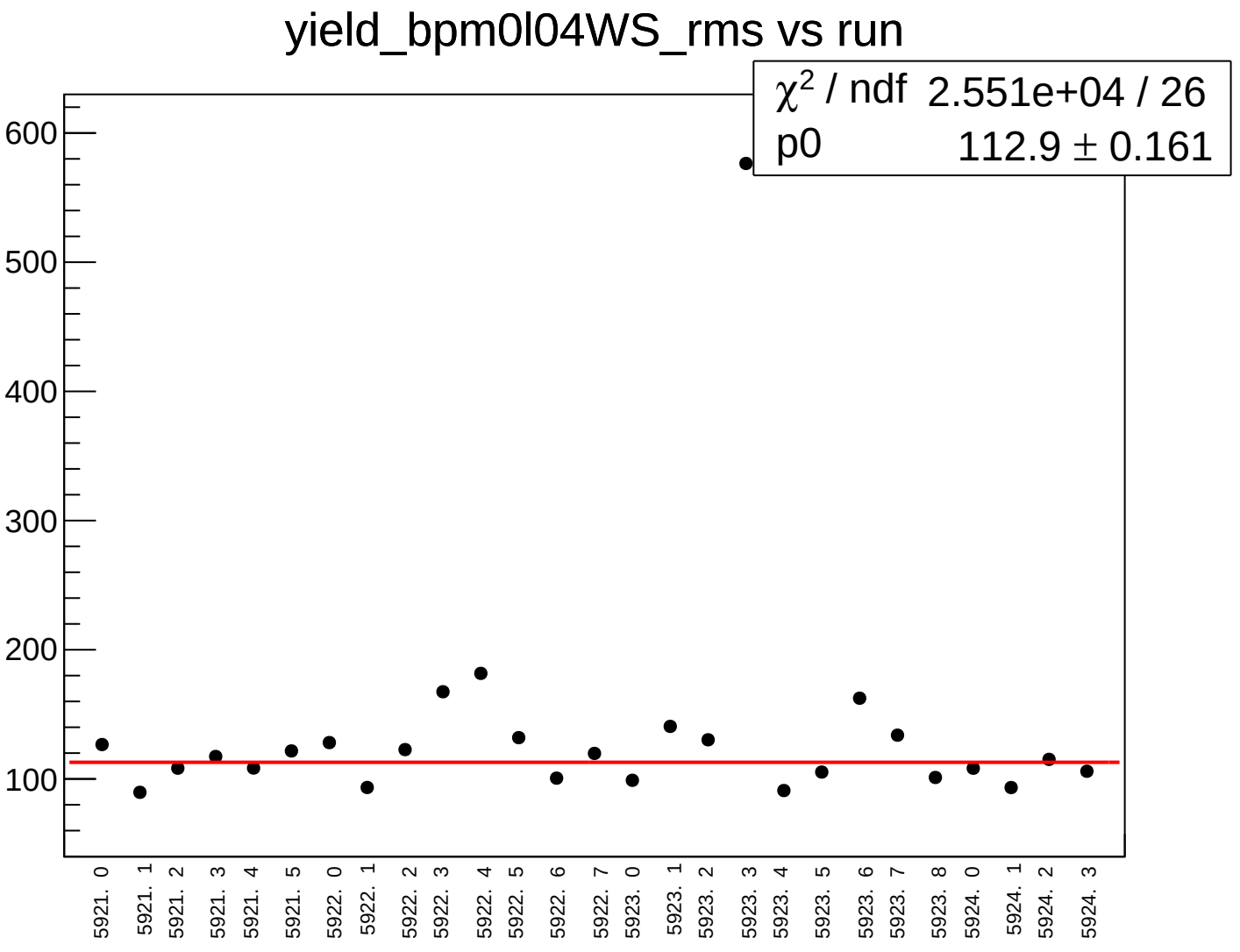

yield_bpm0l03WS_mean vs run
×10^3
χ^2 / ndf 1.937e+04 / 26
p0 1.406e+05 ± 1.245
141
140.8
140.6
140.4
140.2
140
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 23.85
Std Dev 0
40
20
0
−20
−40

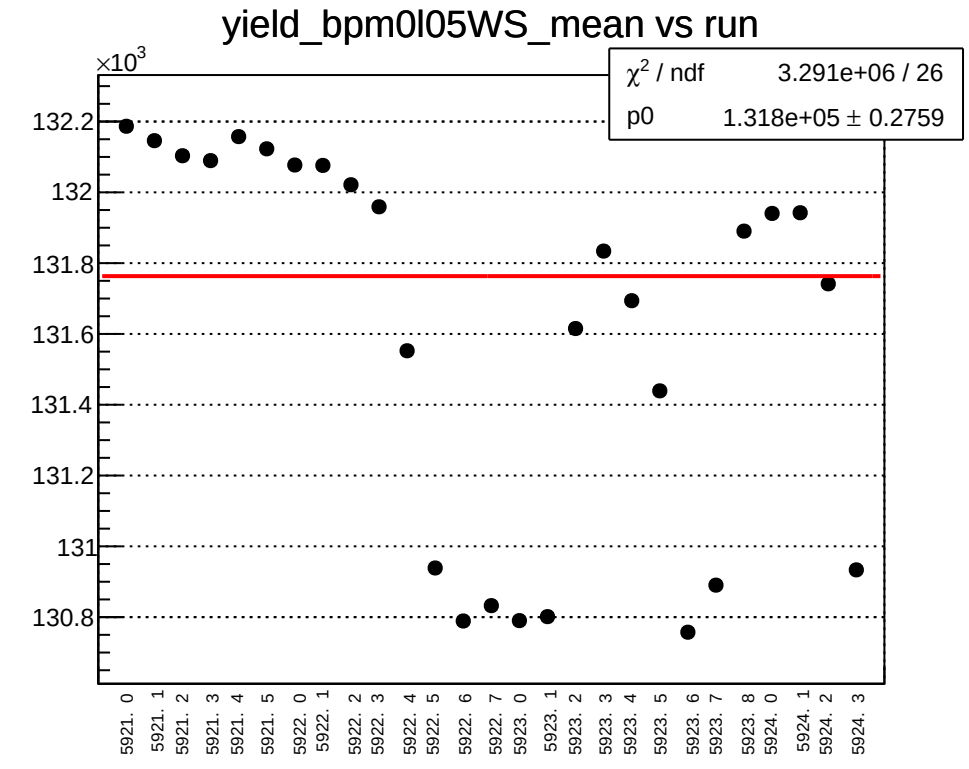

pull1D
Entries 27
Mean −2.555
Std Dev 4.934
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

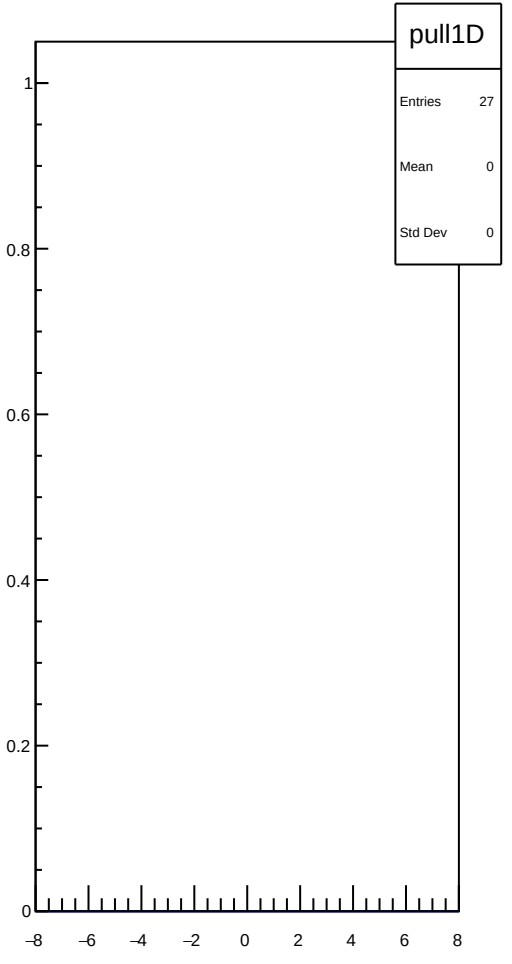

yield_bpm0l03WS_rms vs run
χ² / ndf 2.893e+04 / 26
p0 615.2 ± 0.8804
1800
1600
1400
1200
1000
800
600
400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

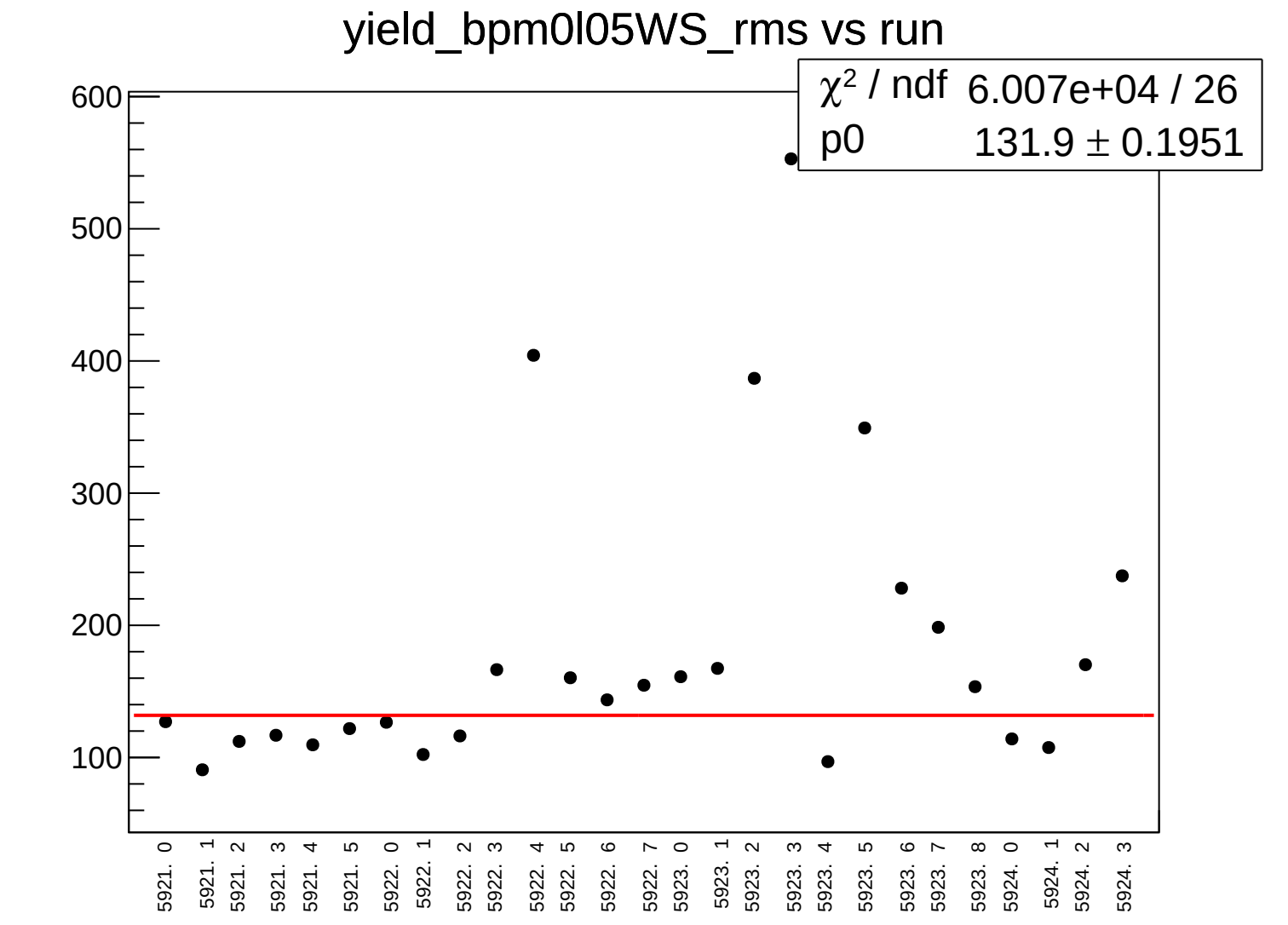

yield_bpm0l04WS_mean vs run
×10^3
χ² / ndf 5.645e+04 / 26
p0 1.398e+05 ± 0.2277
139.92
139.9
139.88
139.86
139.84
139.82
139.8
139.78
139.76
139.74
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −100.7
Std Dev 0
100
80
60
40
20
0
−20
−40

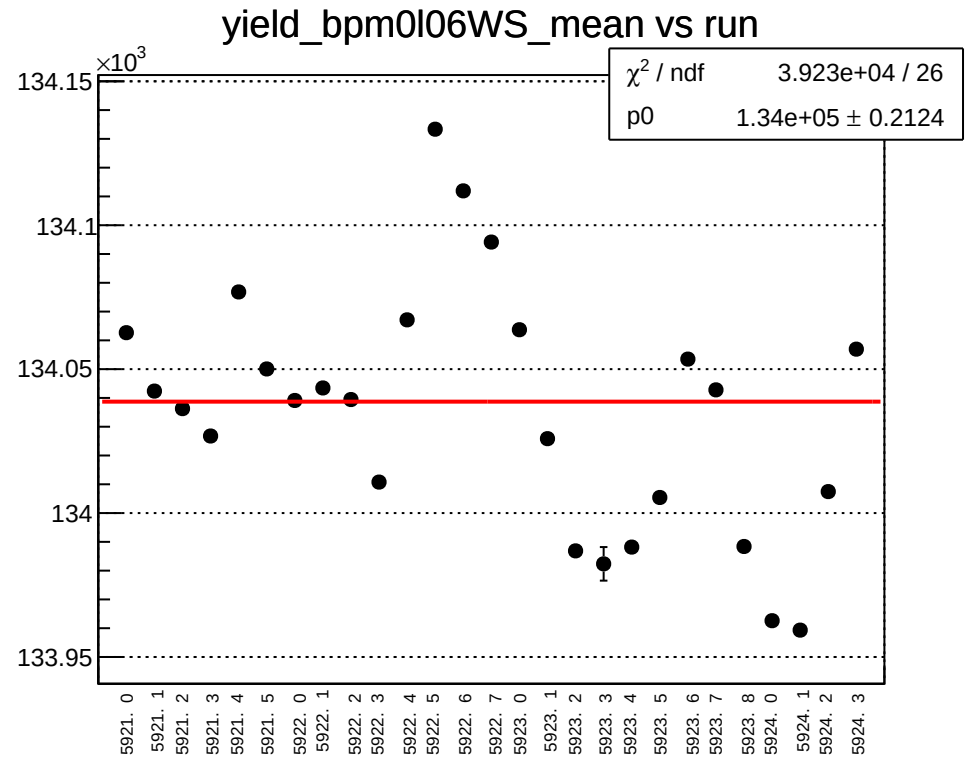

pull1D
Entries 27
Mean −0.2546
Std Dev 2.197
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

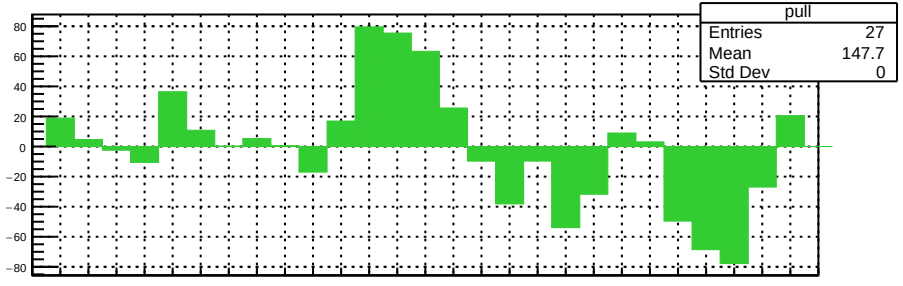

yield_bpm0l04WS_rms vs run
χ² / ndf 2.551e+04 / 26
p0 112.9 ± 0.161
600
500
400
300
200
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

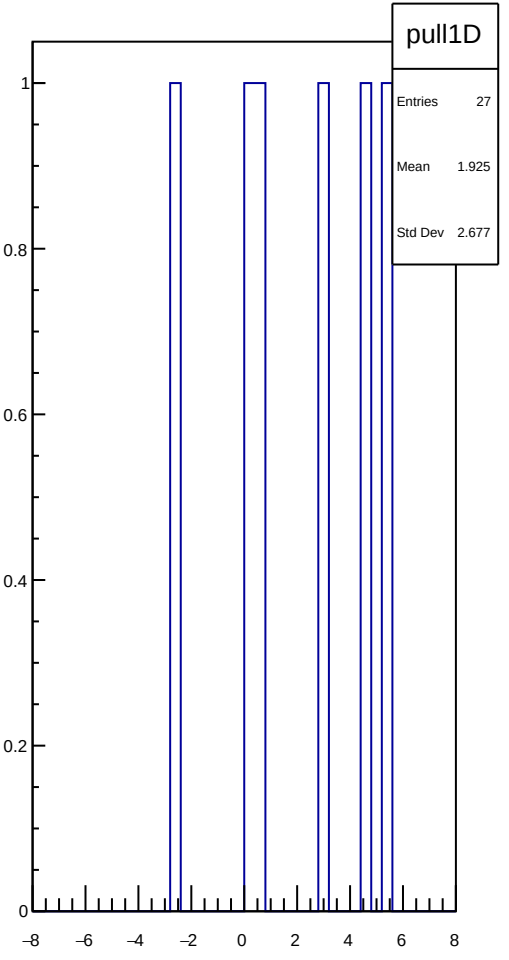

yield_bpm0l05WS_mean vs run
×10^3
χ^2 / ndf 3.291e+06 / 26
p0 1.318e+05 ± 0.2759
132.2
132
131.8
131.6
131.4
131.2
131
130.8
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 38.77
Std Dev 0
400
200
0
−200
−400
−600
−800

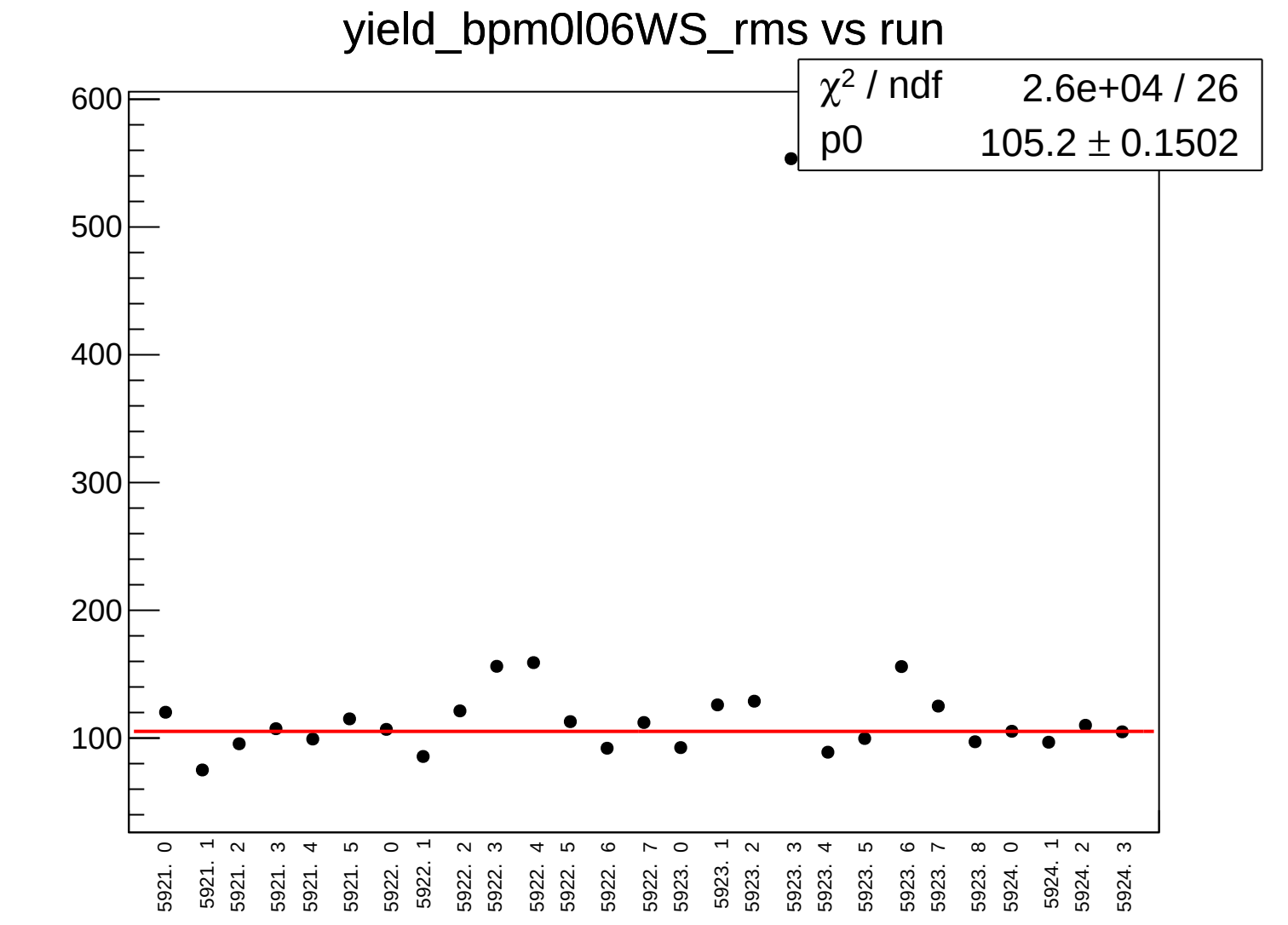

pull1D
Entries 27
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

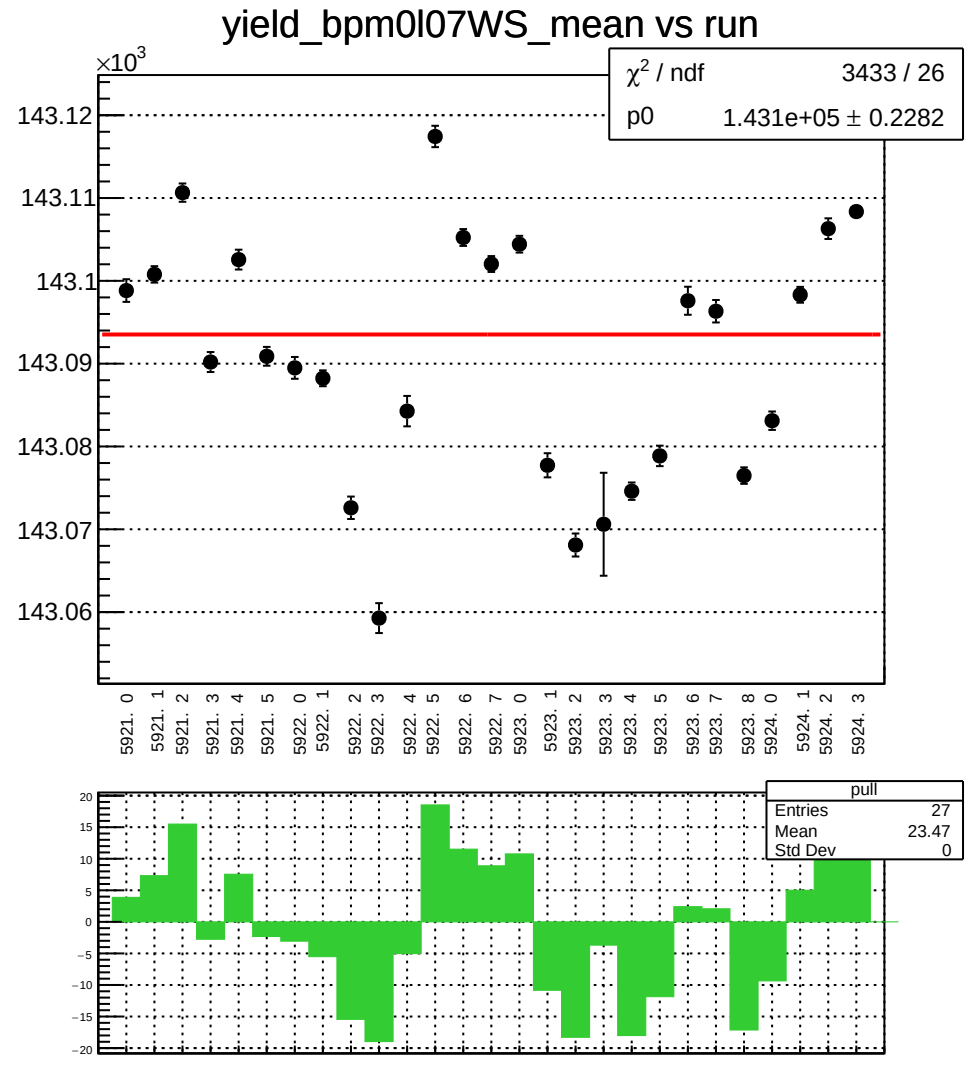

yield_bpm0l05WS_rms vs run
χ² / ndf 6.007e+04 / 26
p0 131.9 ± 0.1951
600
500
400
300
200
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

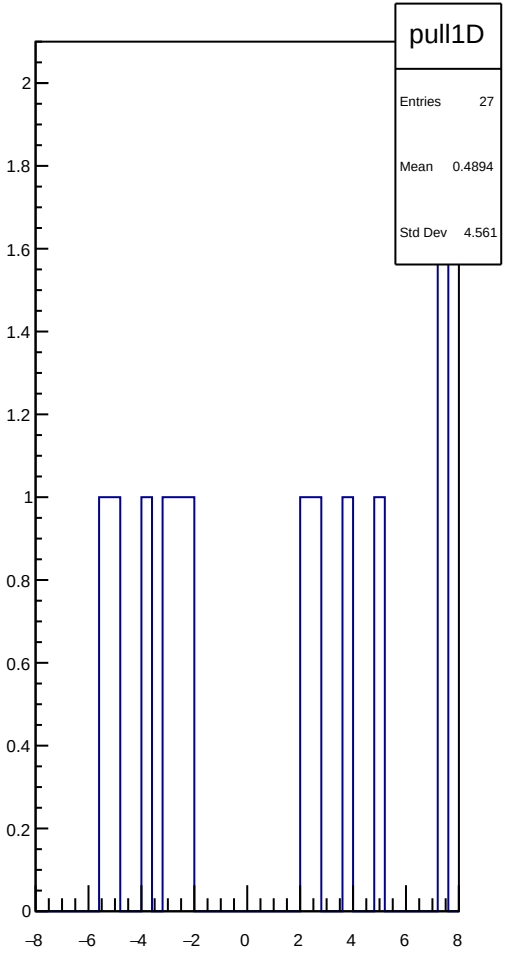

yield_bpm0l06WS_mean vs run
×10^3
134.15
134.1
134.05
134
133.95
χ² / ndf 3.923e+04 / 26
p0 1.34e+05 ± 0.2124
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

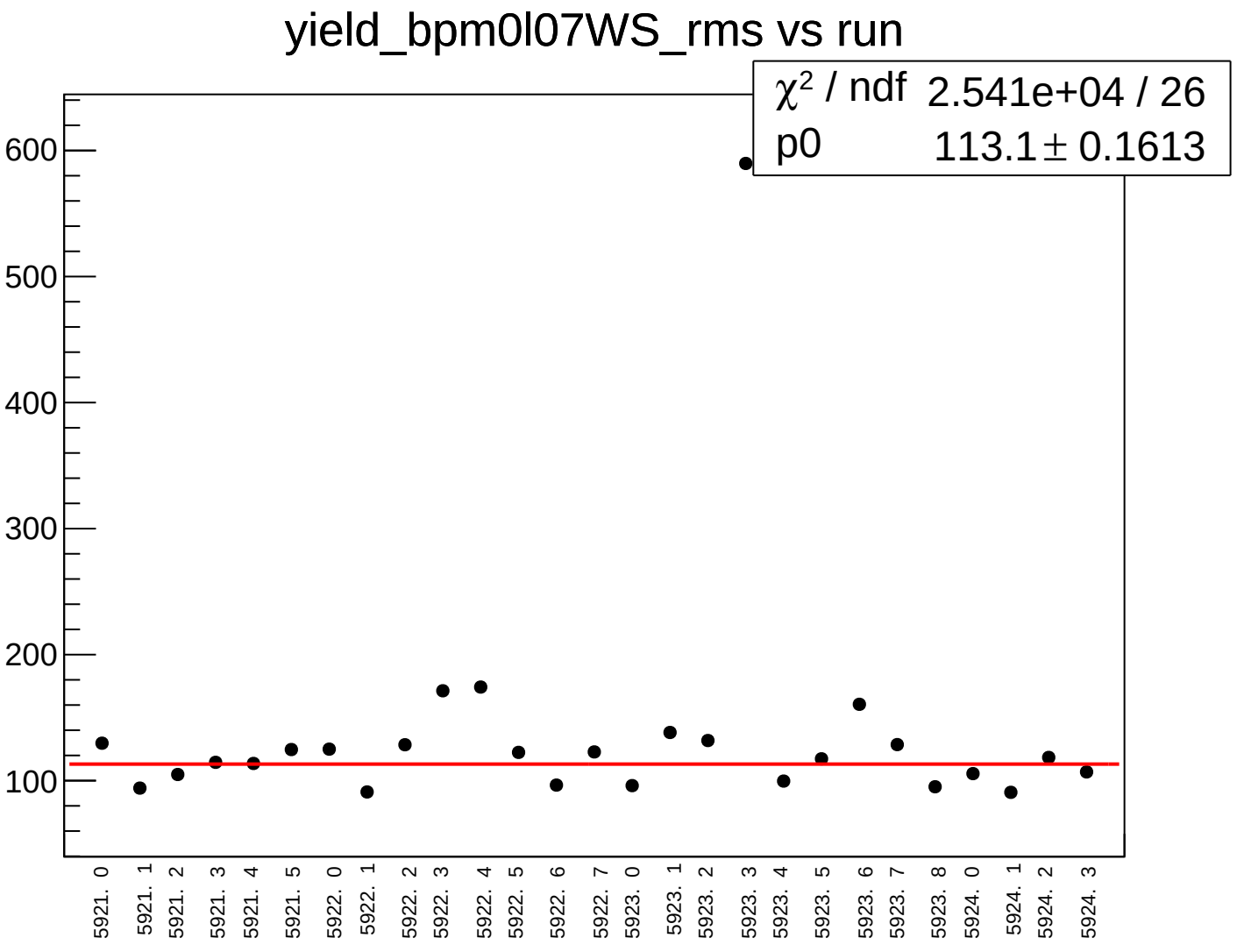

pull
Entries 27
Mean 147.7
Std Dev 0
80
60
40
20
0
−20
−40
−60
−80

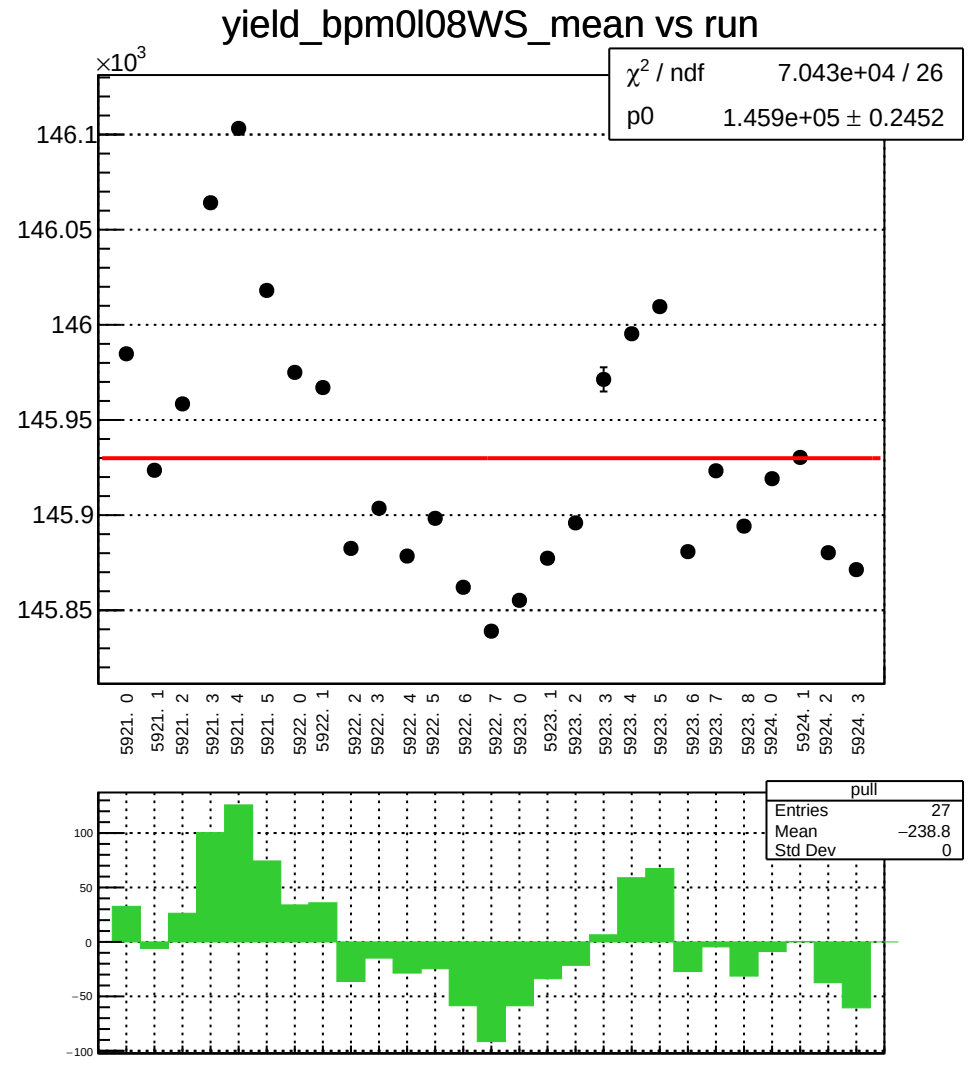

pull1D
Entries 27
Mean 1.925
Std Dev 2.677
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

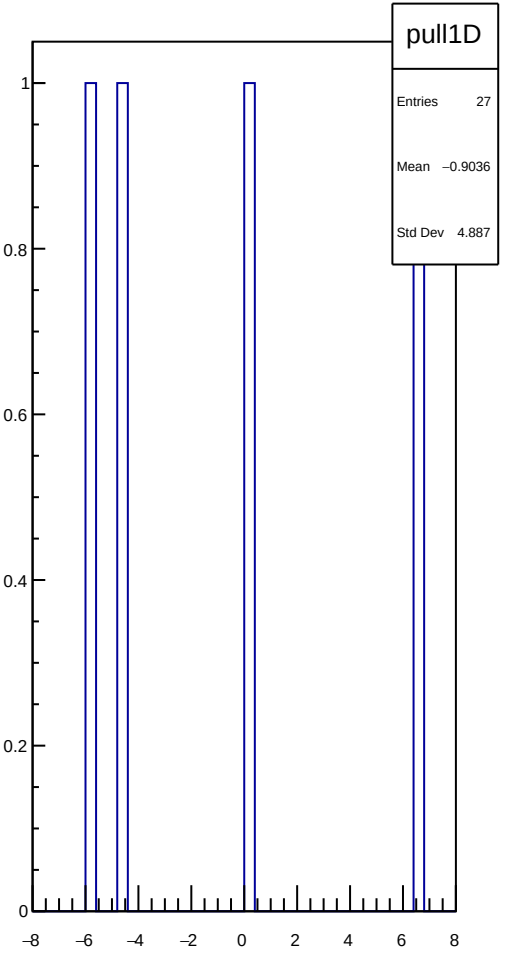

yield_bpm0l06WS_rms vs run
χ² / ndf 2.6e+04 / 26
p0 105.2 ± 0.1502
600
500
400
300
200
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

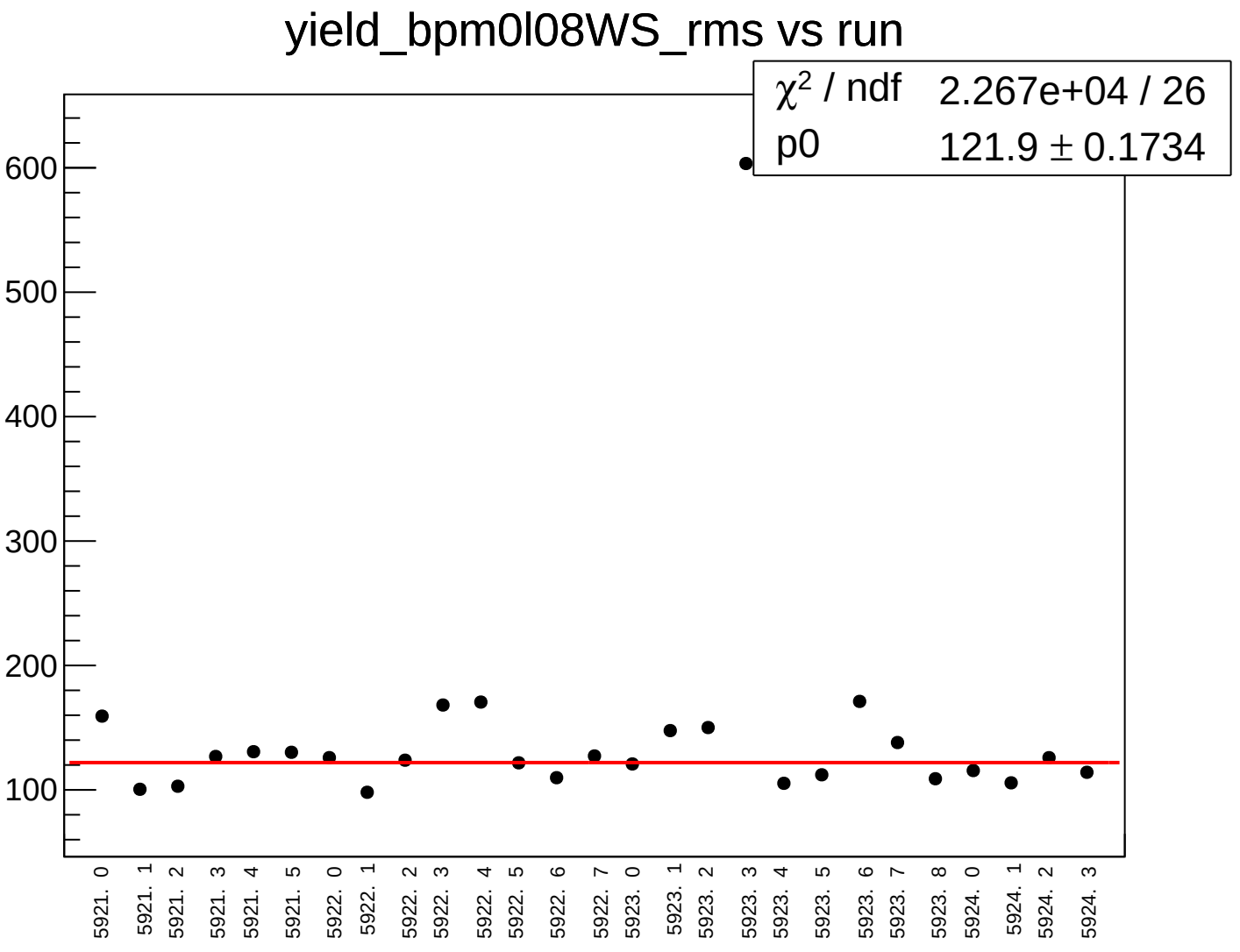

yield_bpm0l07WS_mean vs run
×10^3
χ² / ndf 3433 / 26
p0 1.431e+05 ± 0.2282
143.12
143.11
143.1
143.09
143.08
143.07
143.06
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 23.47
Std Dev 0
20
15
10
5
0
−5
−10
−15
−20

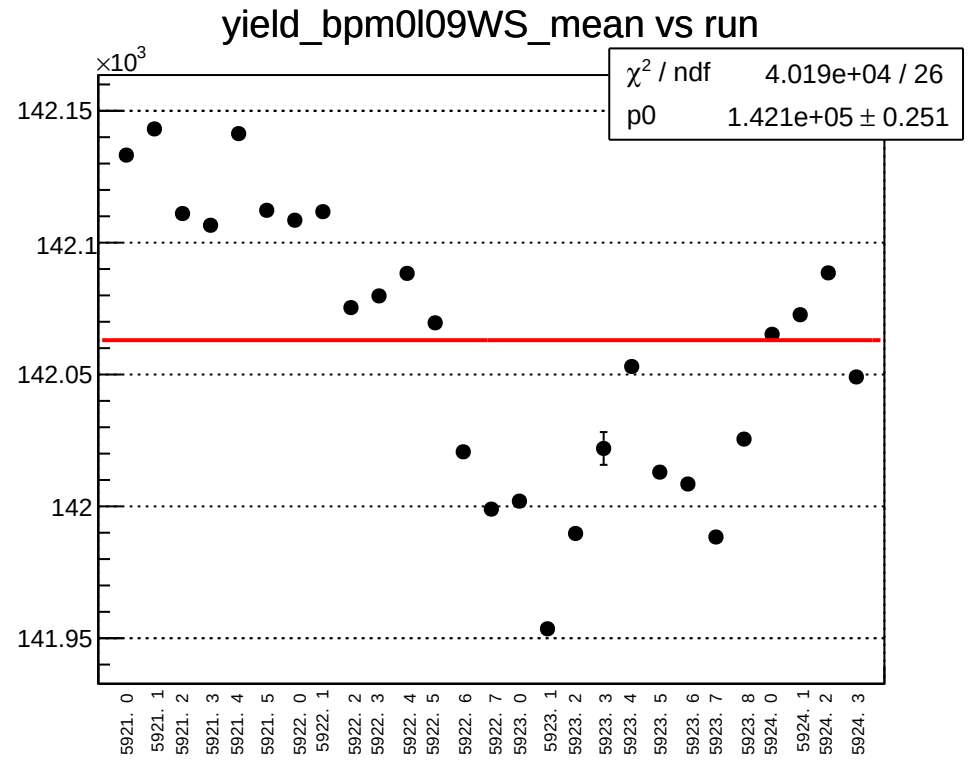

pull1D
Entries 27
Mean 0.4894
Std Dev 4.561
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

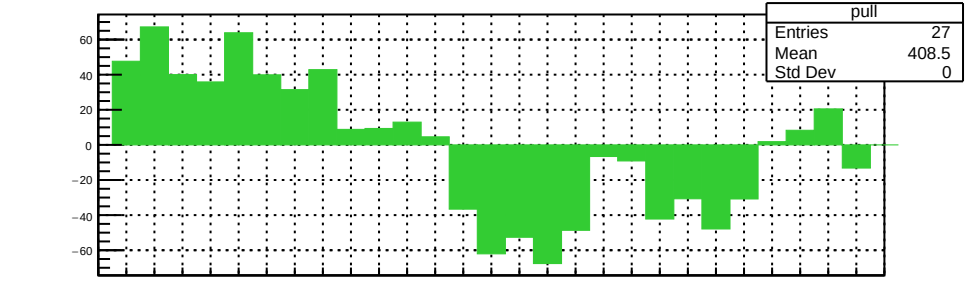

yield_bpm0l07WS_rms vs run
χ² / ndf 2.541e+04 / 26
p0 113.1 ± 0.1613
600
500
400
300
200
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

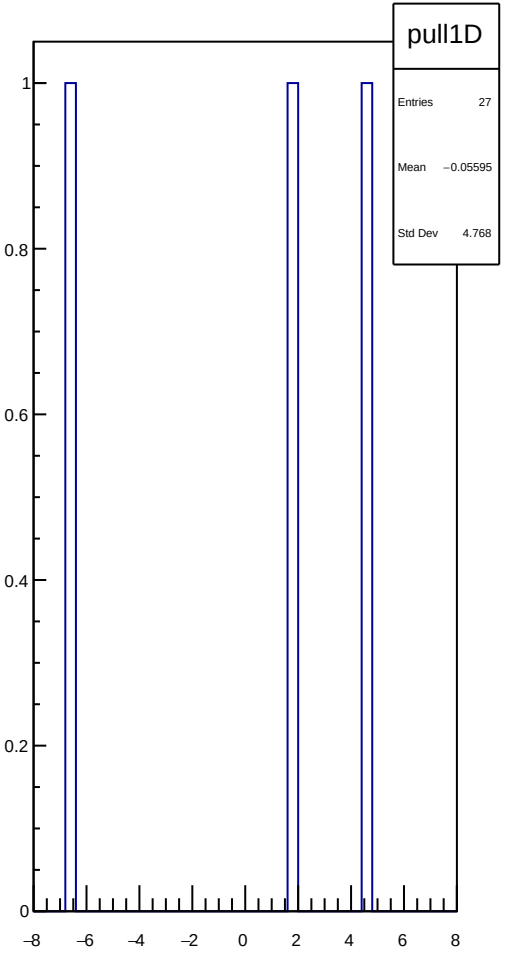

yield_bpm0l08WS_mean vs run
×10^3
χ² / ndf 7.043e+04 / 26
p0 1.459e+05 ± 0.2452
146.1
146.05
146
145.95
145.9
145.85
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −238.8
Std Dev 0
100
50
0
−50
−100

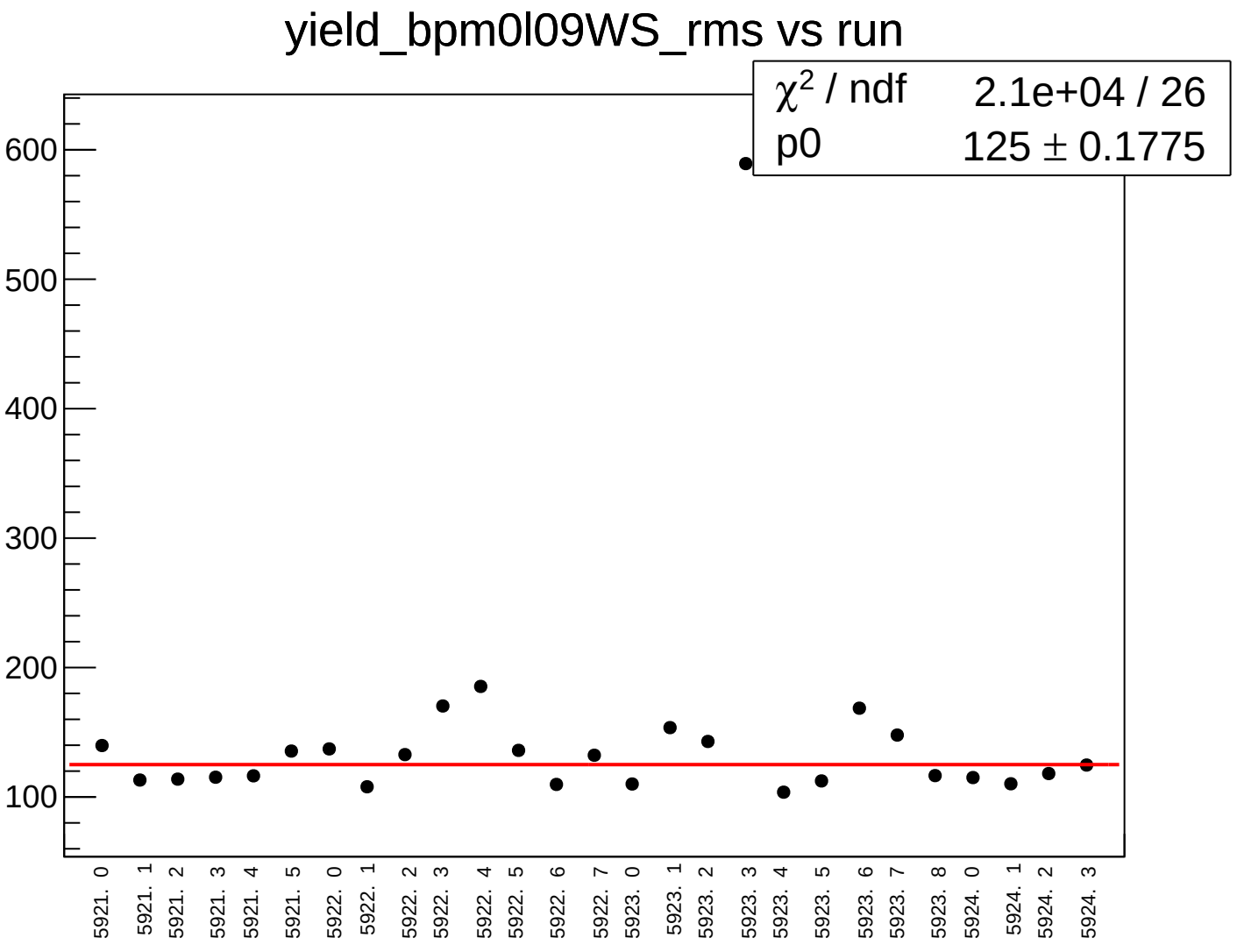

pull1D
Entries 27
Mean −0.9036
Std Dev 4.887
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

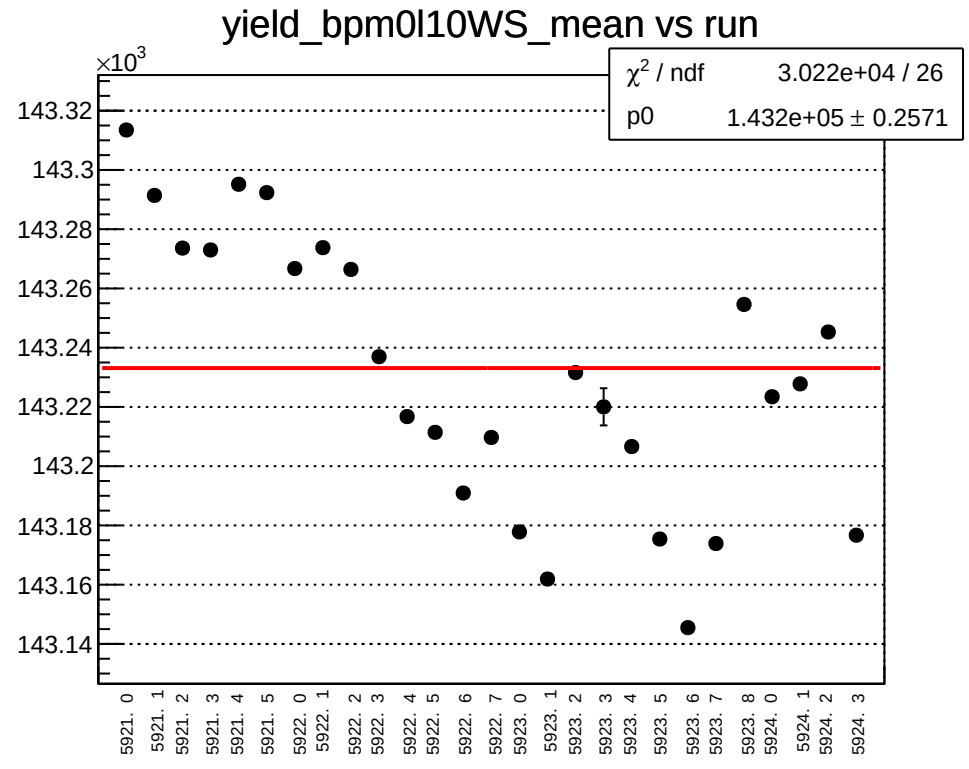

yield_bpm0l08WS_rms vs run
χ² / ndf 2.267e+04 / 26
p0 121.9 ± 0.1734
600
500
400
300
200
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

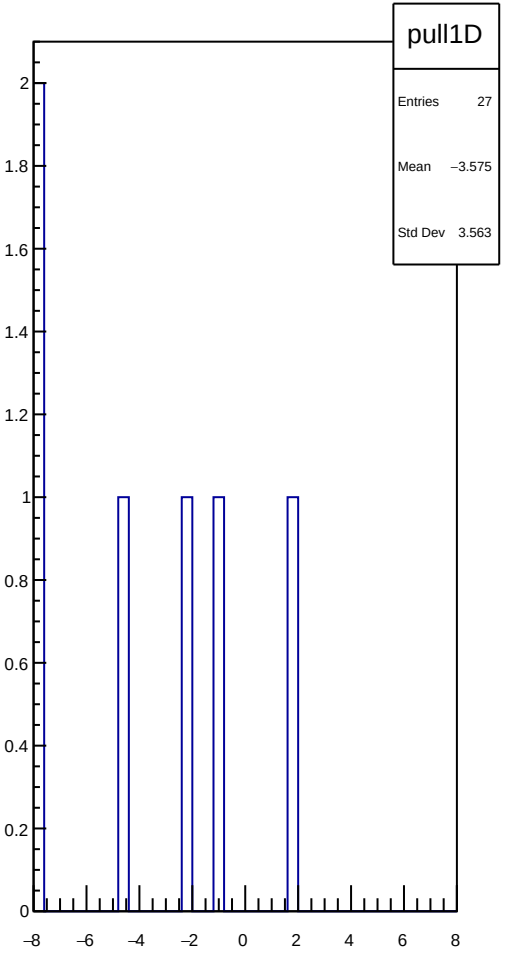

yield_bpm0l09WS_mean vs run
×10^3
χ² / ndf 4.019e+04 / 26
p0 1.421e+05 ± 0.251
142.15
142.1
142.05
142
141.95
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

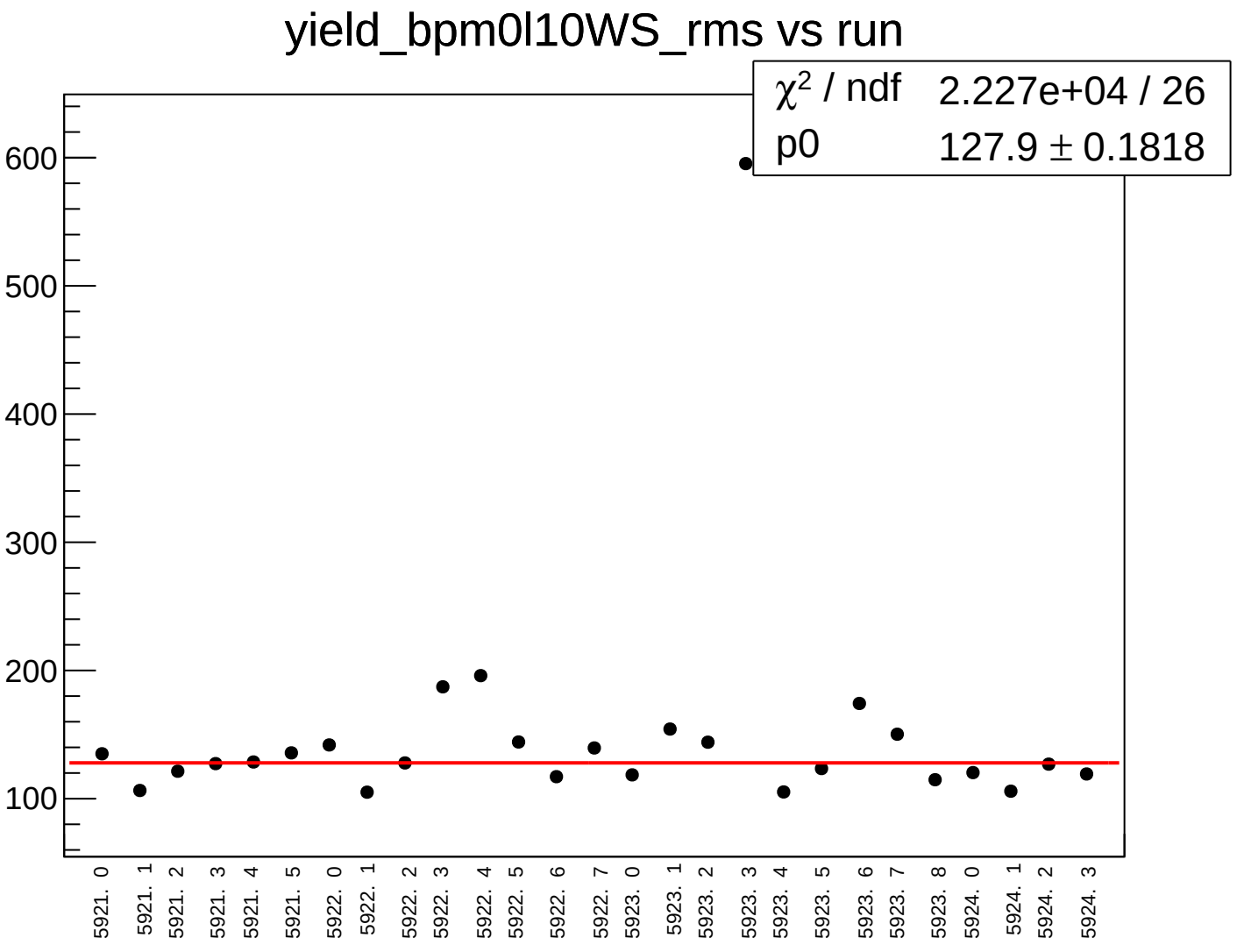

pull
Entries 27
Mean 408.5
Std Dev 0
60
40
20
0
−20
−40
−60

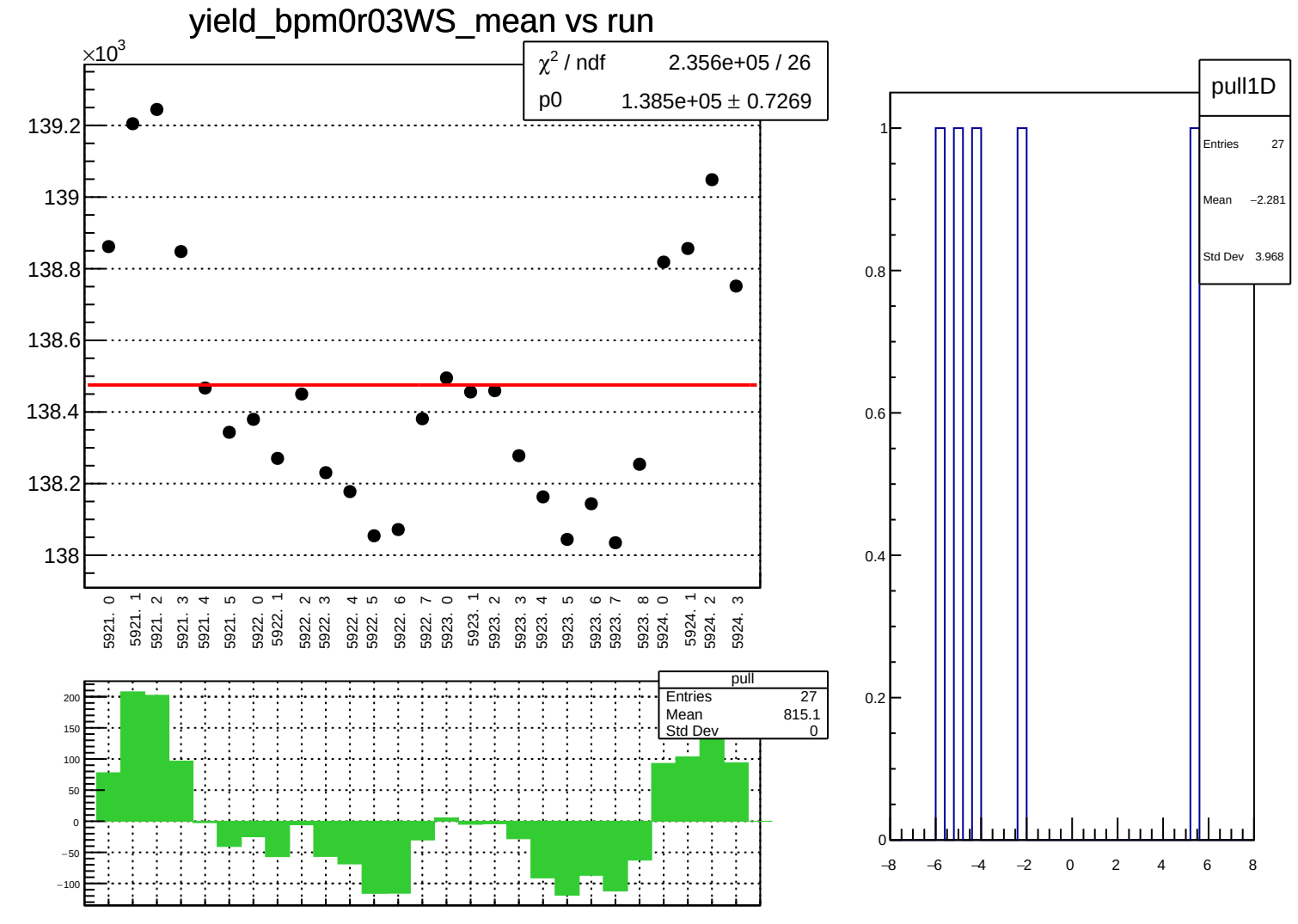

pull1D
Entries 27
Mean −0.05595
Std Dev 4.768
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

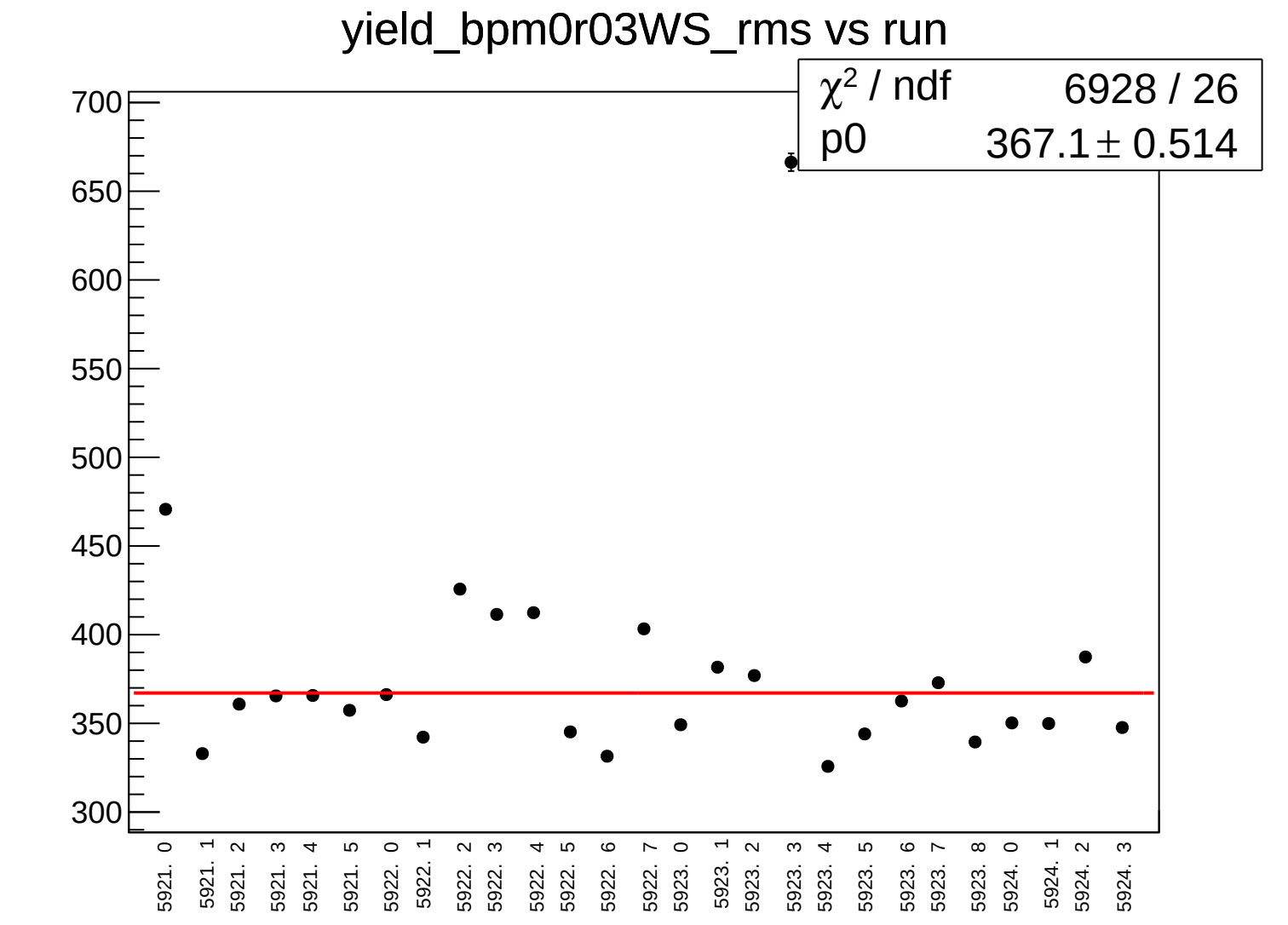

yield_bpm0l09WS_rms vs run
χ² / ndf 2.1e+04 / 26
p0 125 ± 0.1775
600
500
400
300
200
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

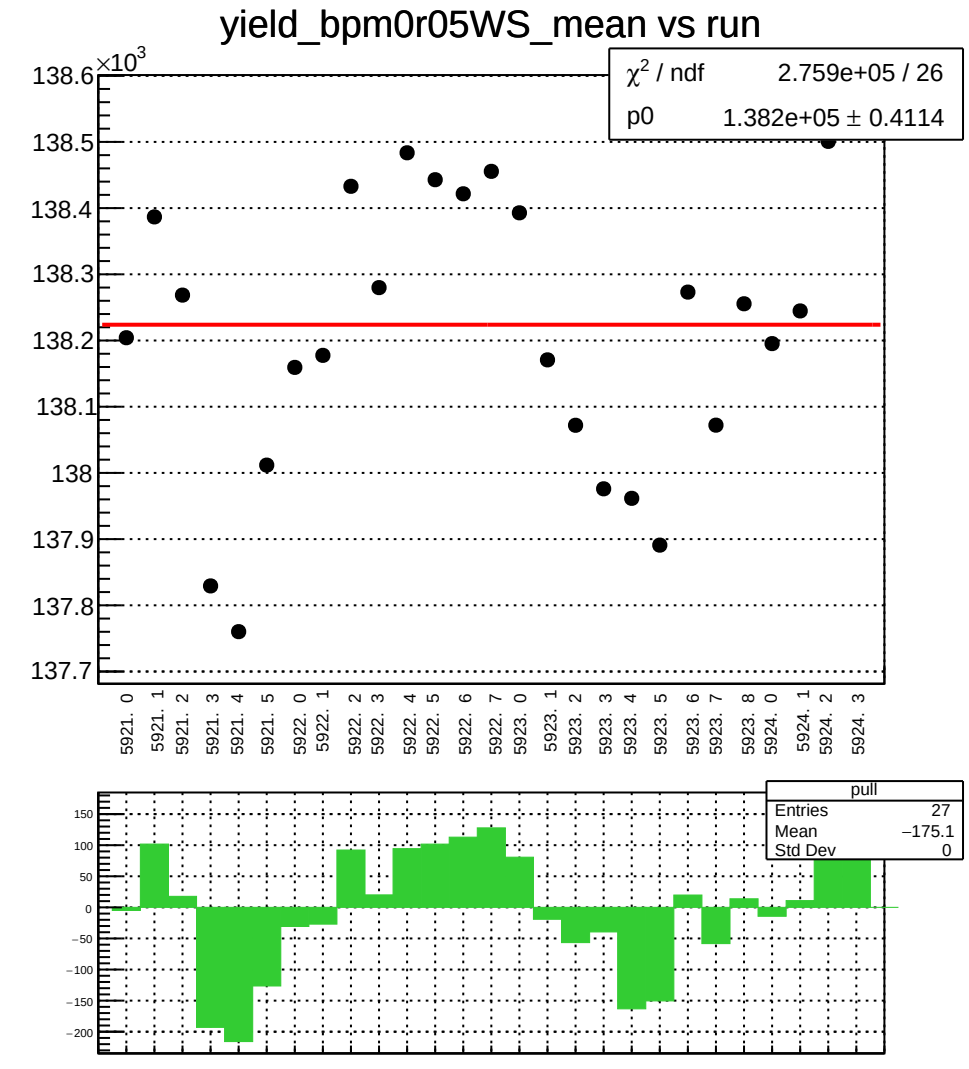

yield_bpm0l10WS_mean vs run
×10^3
χ² / ndf 3.022e+04 / 26
p0 1.432e+05 ± 0.2571
143.32
143.3
143.28
143.26
143.24
143.22
143.2
143.18
143.16
143.14
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 364.4
Std Dev 0
60
40
20
0
−20
−40
−60

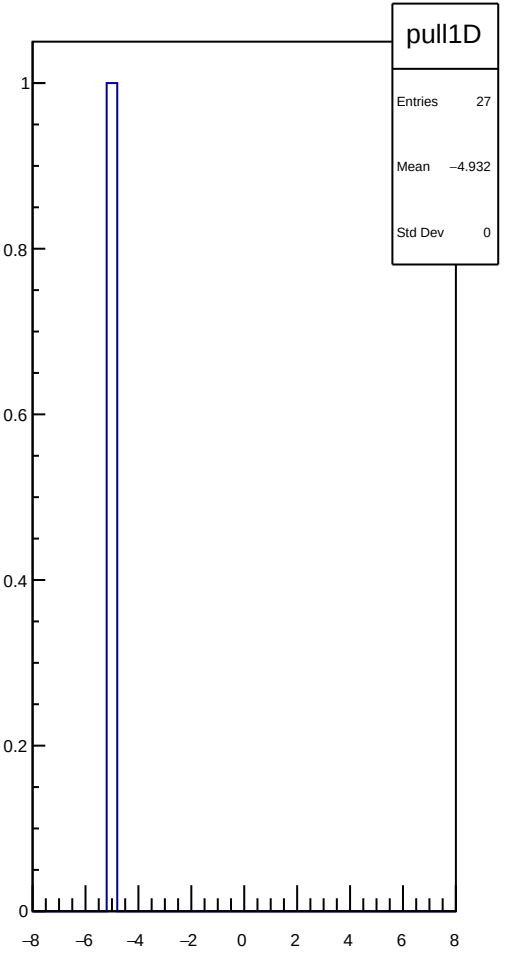

pull1D
Entries 27
Mean −3.575
Std Dev 3.563
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

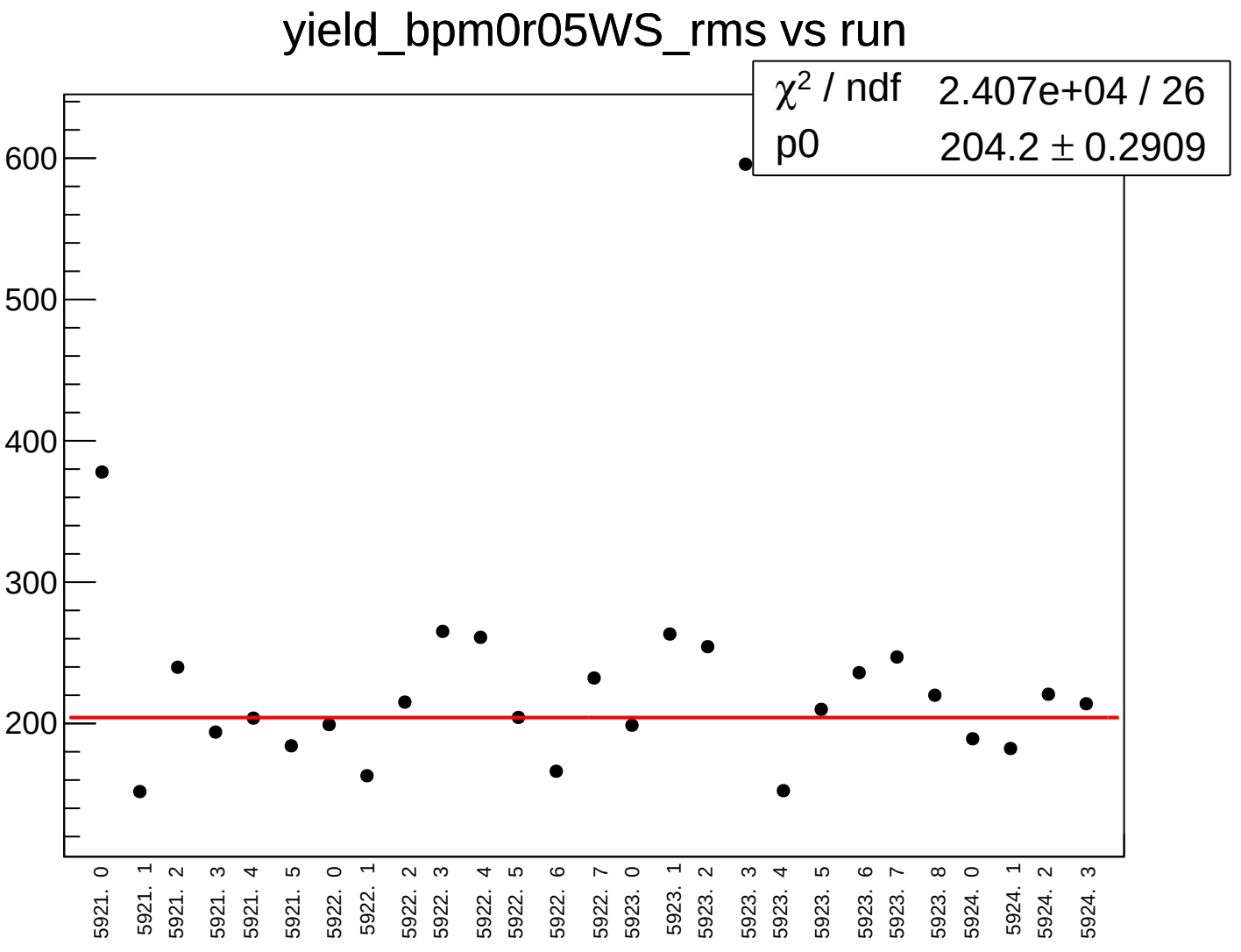

yield_bpm0l10WS_rms vs run
χ² / ndf 2.227e+04 / 26
p0 127.9 ± 0.1818
600
500
400
300
200
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

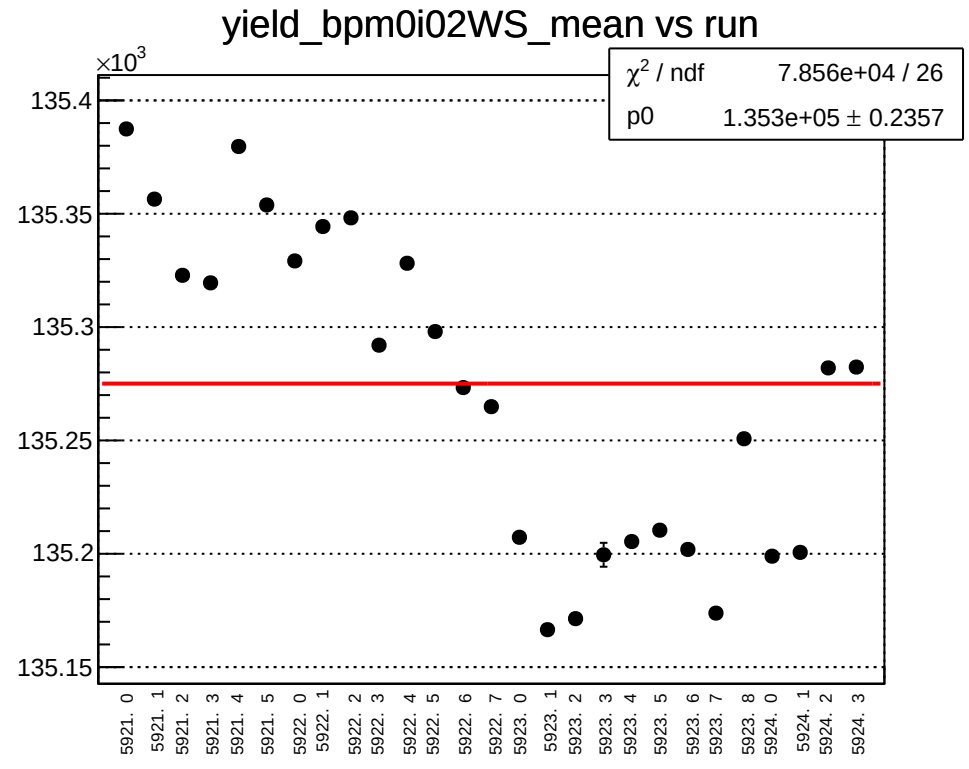

yield_bpm0r03WS_mean vs run
×10^3
χ^2 / ndf 2.356e+05 / 26
p0 1.385e+05 ± 0.7269
139.2
139
138.8
138.6
138.4
138.2
138
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 815.1
Std Dev 0
200
150
100
50
0
−50
−100
pull1D
Entries 27
Mean −2.281
Std Dev 3.968
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

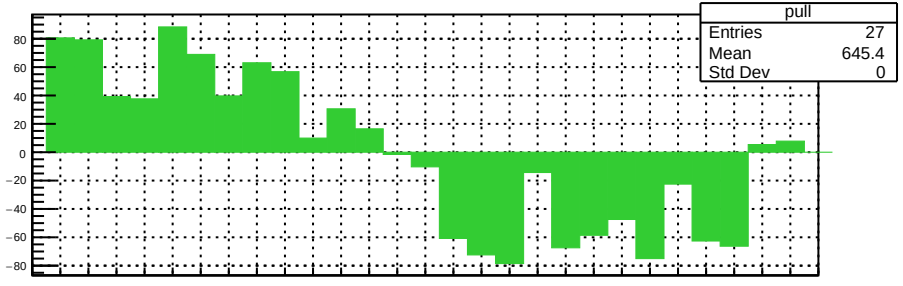

yield_bpm0r03WS_rms vs run
χ² / ndf 6928 / 26
p0 367.1 ± 0.514
700
650
600
550
500
450
400
350
300
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

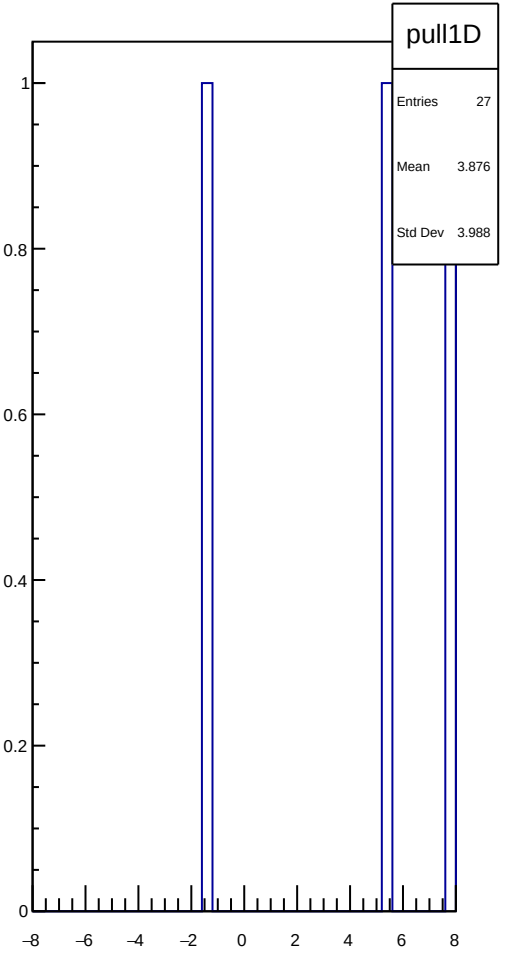

yield_bpm0r05WS_mean vs run
×10^3
χ² / ndf 2.759e+05 / 26
p0 1.382e+05 ± 0.4114
138.6
138.5
138.4
138.3
138.2
138.1
138
137.9
137.8
137.7
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −175.1
Std Dev 0
150
100
50
0
−50
−100
−150
−200

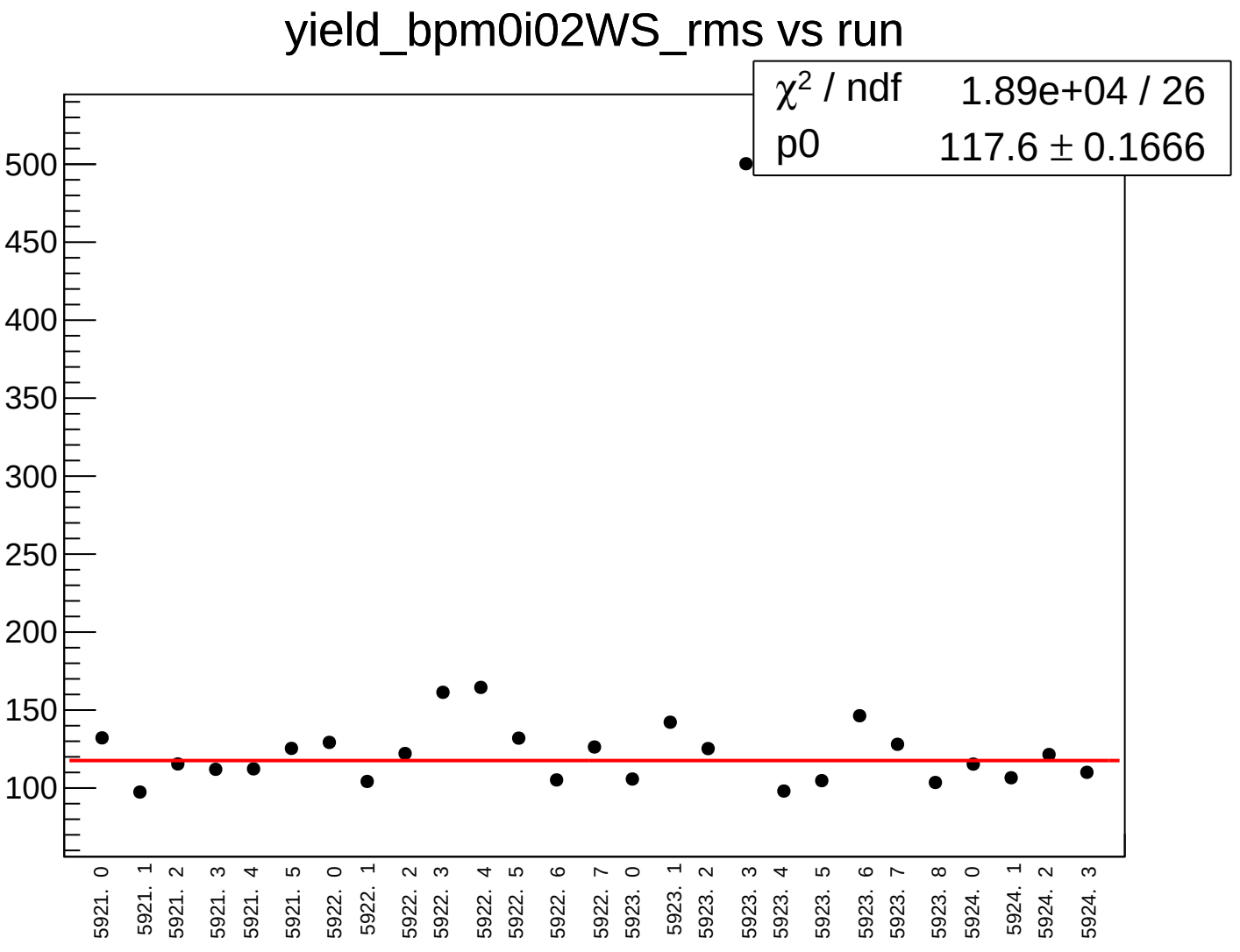

pull1D
Entries 27
Mean −4.932
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

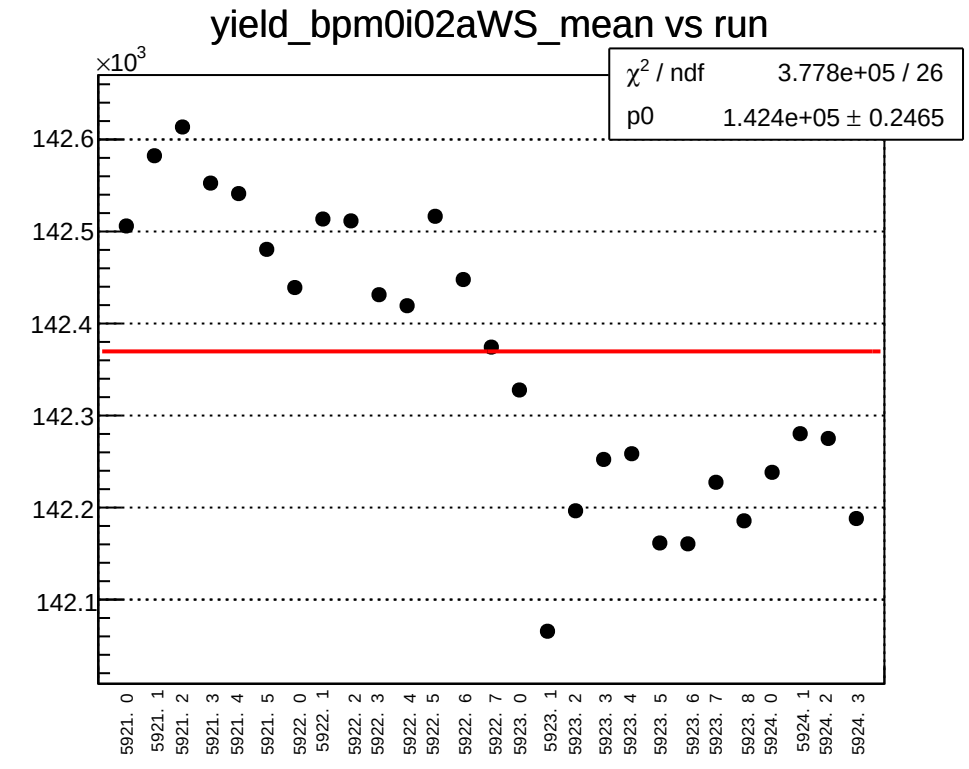

yield_bpm0r05WS_rms vs run
χ² / ndf 2.407e+04 / 26
p0 204.2 ± 0.2909
600
500
400
300
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

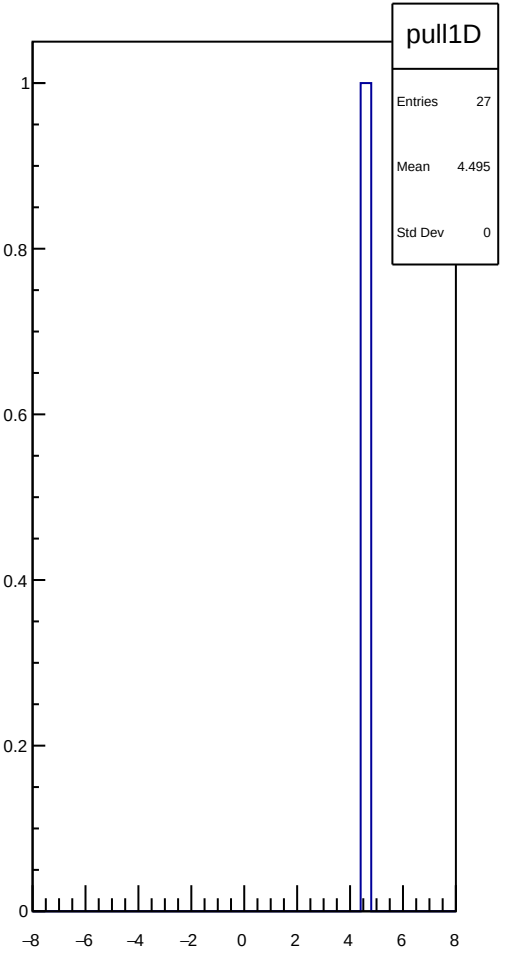

yield_bpm0i02WS_mean vs run
×10^3
χ^2 / ndf 7.856e+04 / 26
p0 1.353e+05 ± 0.2357
135.4
135.35
135.3
135.25
135.2
135.15
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

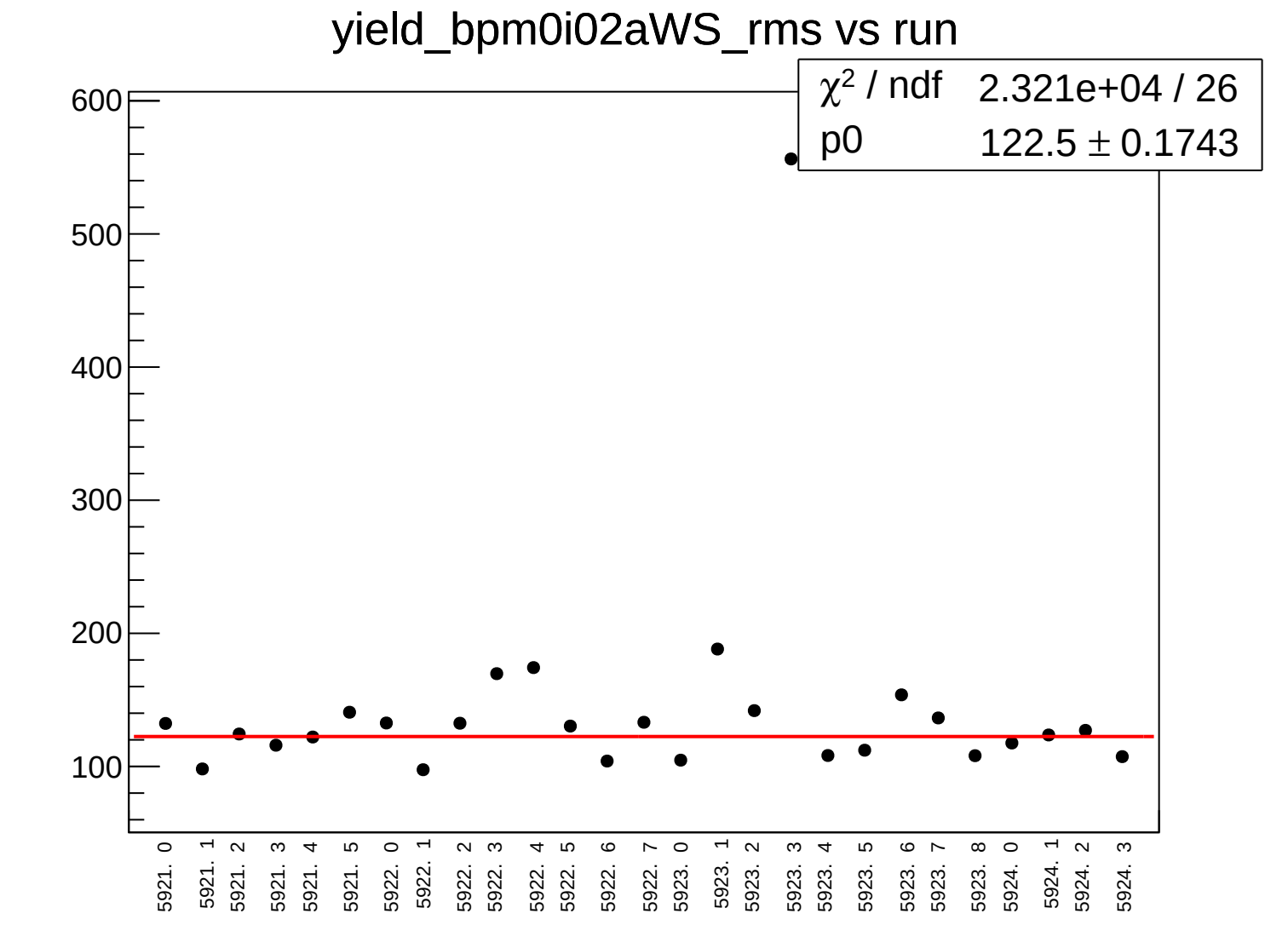

pull
Entries 27
Mean 645.4
Std Dev 0
80
60
40
20
0
−20
−40
−60
−80

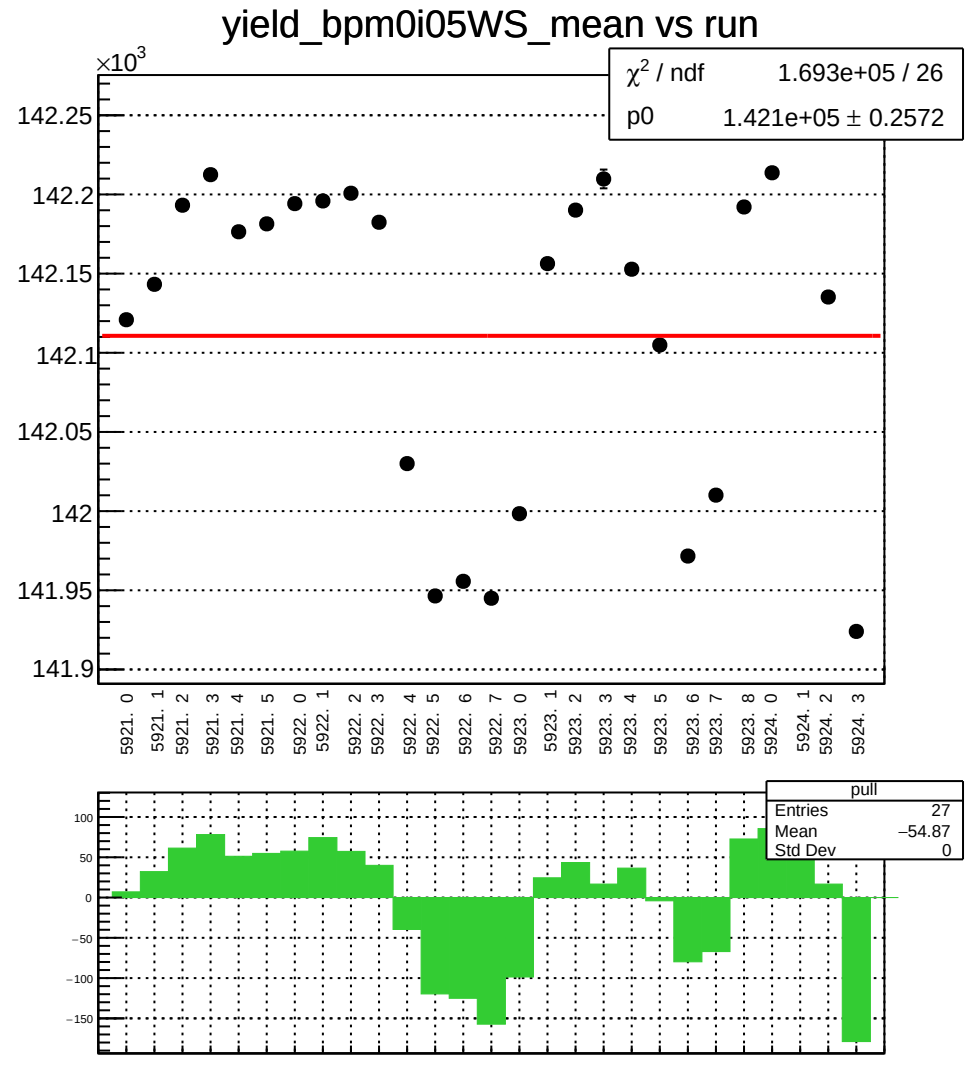

pull1D
Entries 27
Mean 3.876
Std Dev 3.988
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

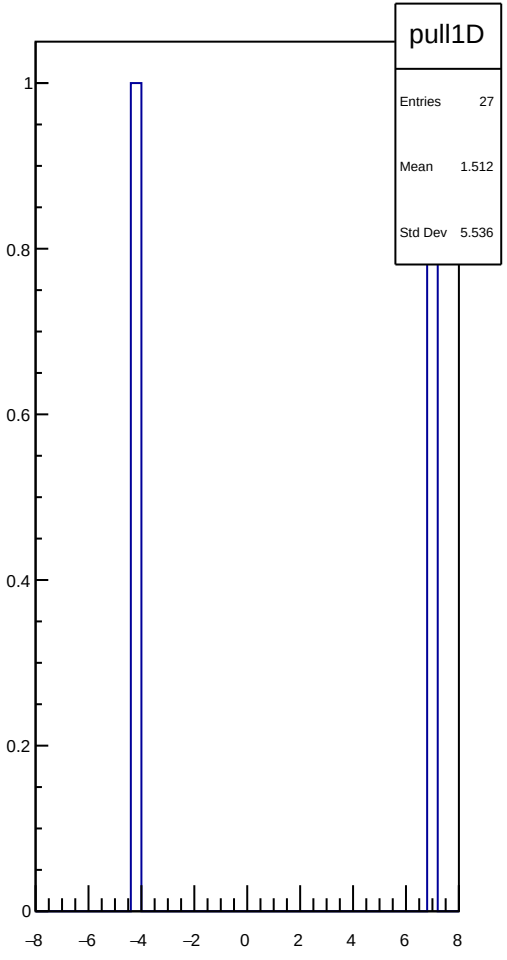

yield_bpm0i02WS_rms vs run
χ² / ndf 1.89e+04 / 26
p0 117.6 ± 0.1666
500
450
400
350
300
250
200
150
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

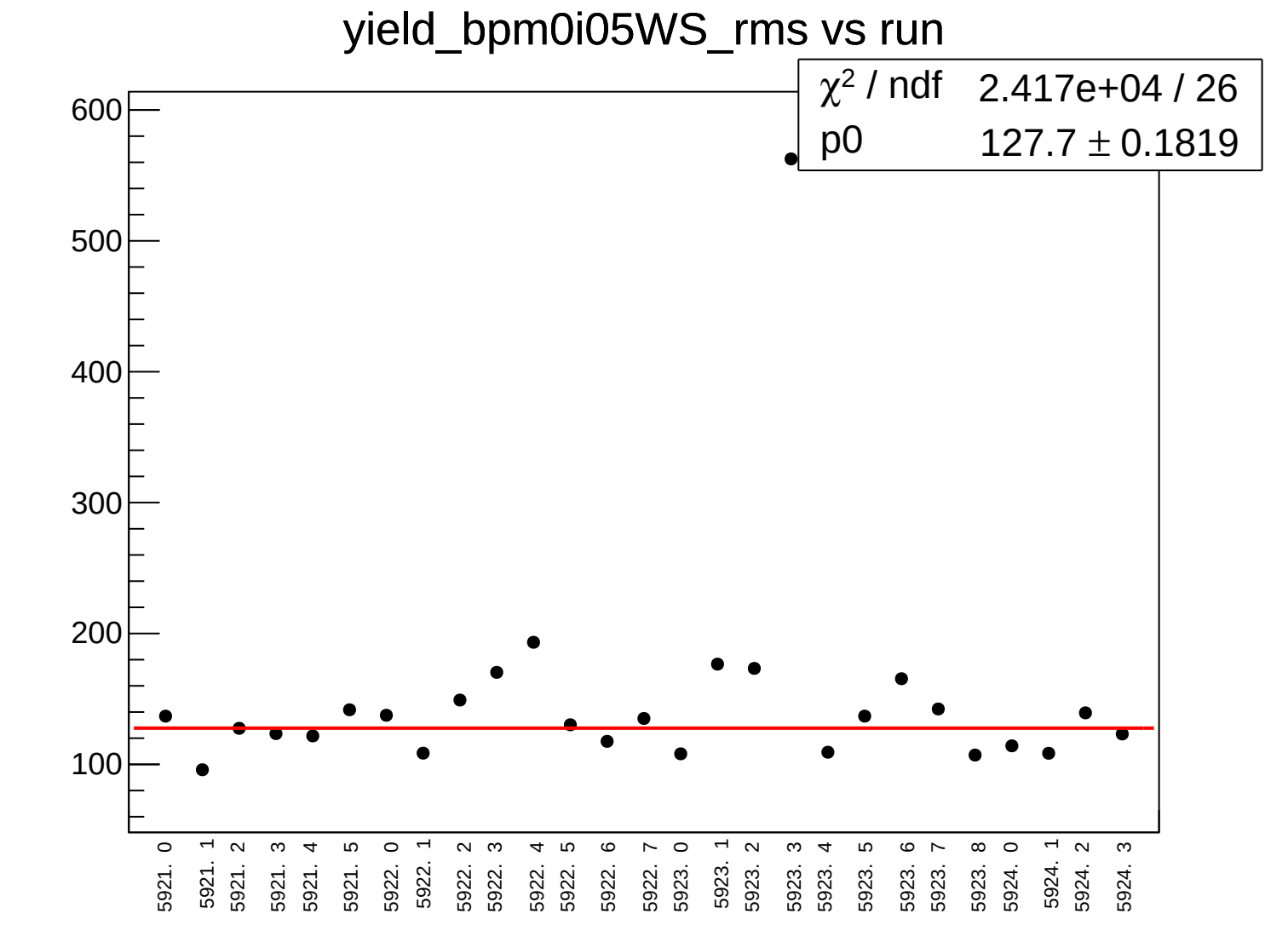

yield_bpm0i02aWS_mean vs run
×10^3
χ² / ndf 3.778e+05 / 26
p0 1.424e+05 ± 0.2465
142.6
142.5
142.4
142.3
142.2
142.1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 538.1
Std Dev 0
200
150
100
50
0
−50
−100
−150
−200

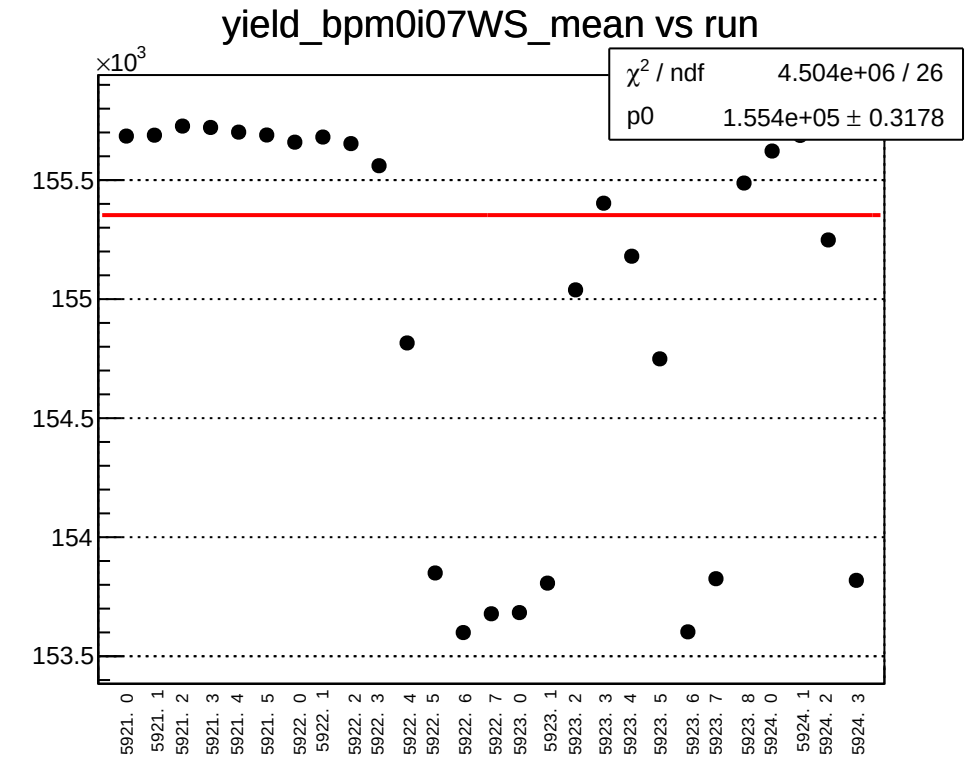

pull1D
Entries 27
Mean 4.495
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

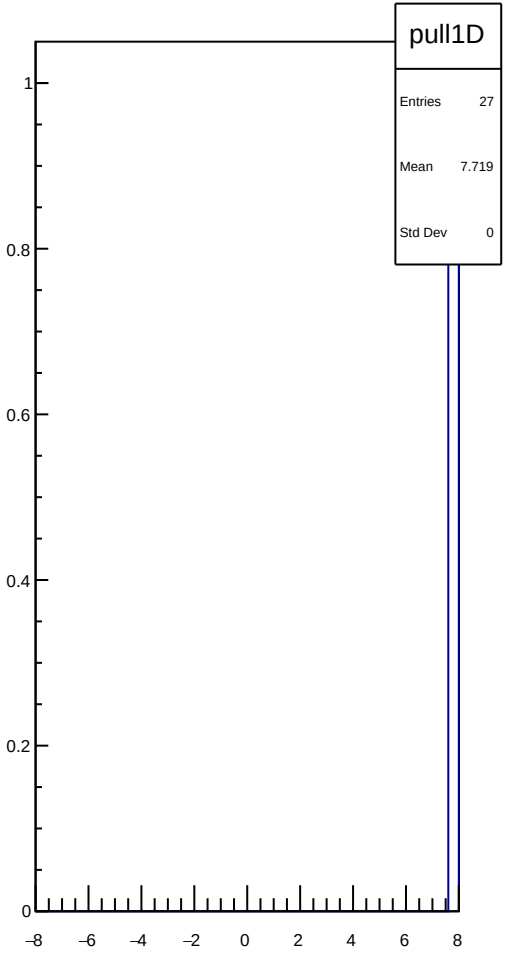

yield_bpm0i02aWS_rms vs run
χ² / ndf 2.321e+04 / 26
p0 122.5 ± 0.1743
600
500
400
300
200
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

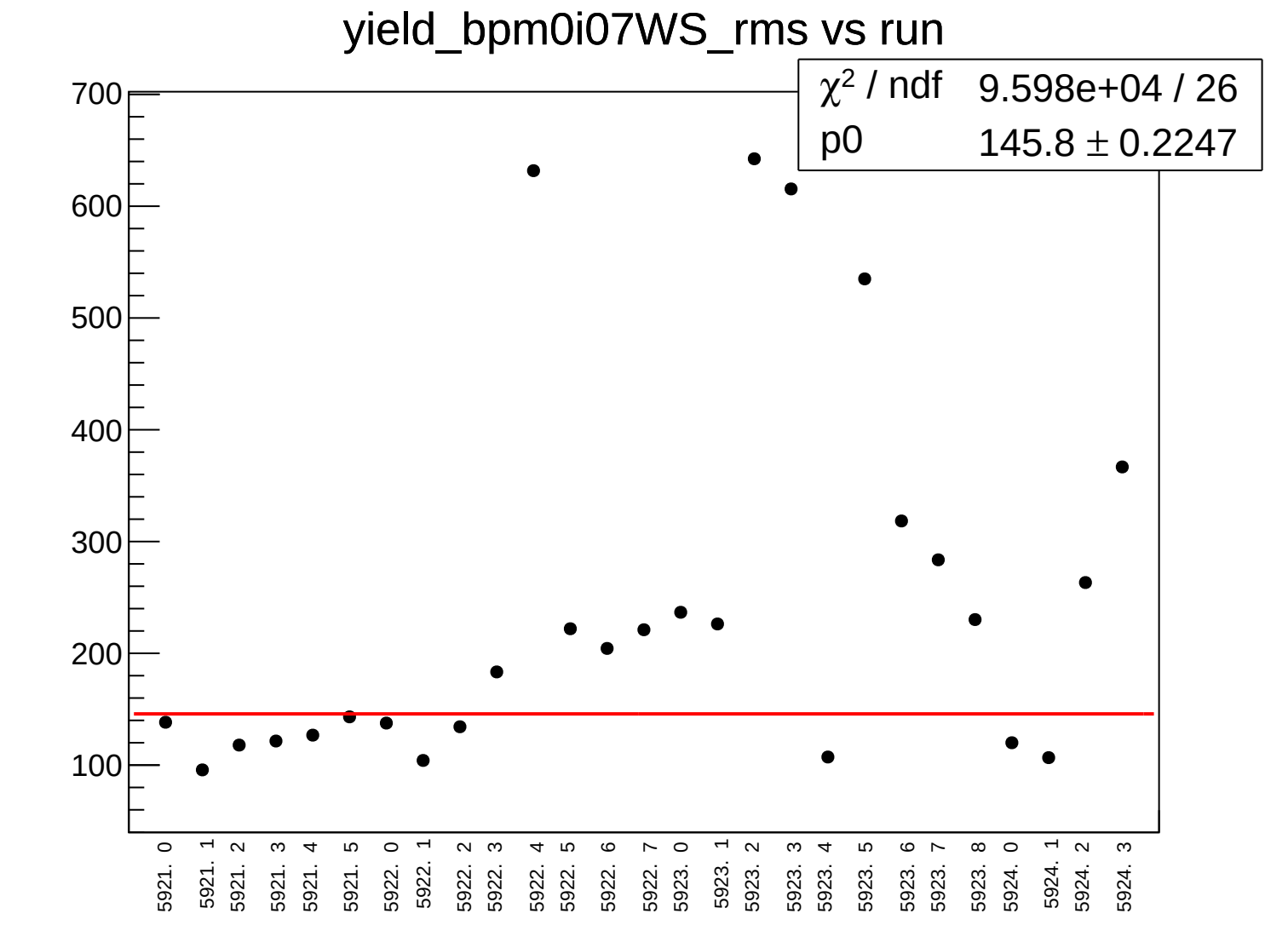

yield_bpm0i05WS_mean vs run
×10^3
χ² / ndf 1.693e+05 / 26
p0 1.421e+05 ± 0.2572
142.25
142.2
142.15
142.1
142.05
142
141.95
141.9
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −54.87
Std Dev 0
100
50
0
−50
−100
−150

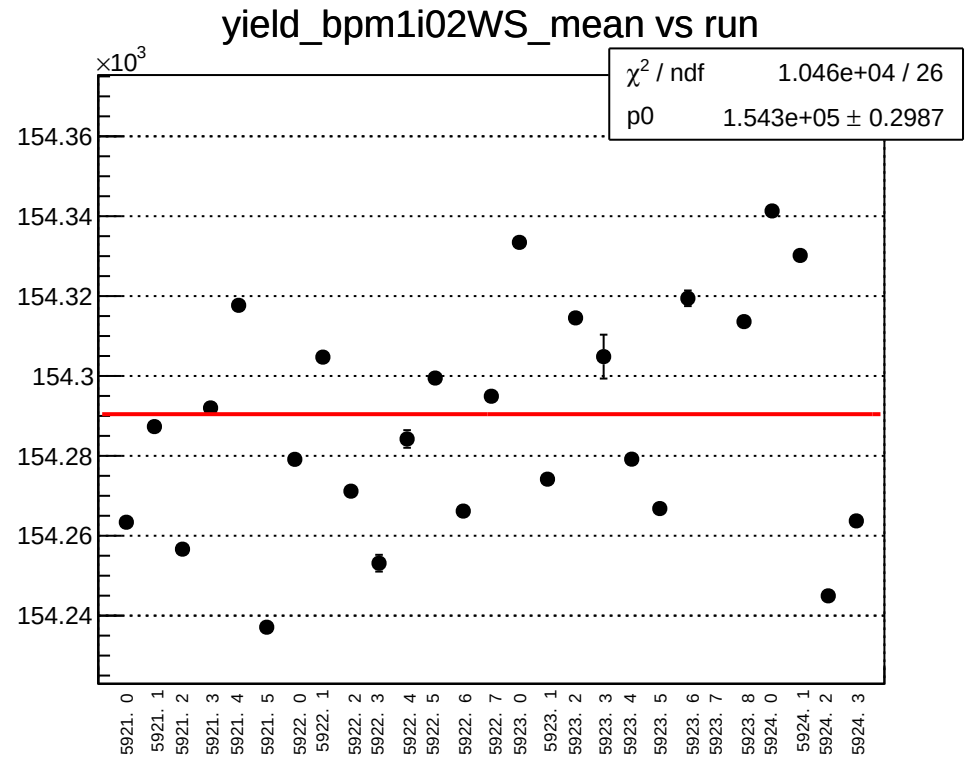

pull1D
Entries 27
Mean 1.512
Std Dev 5.536
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

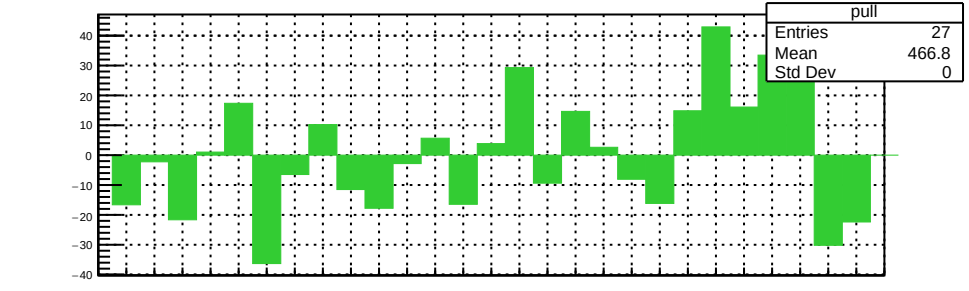

yield_bpm0i05WS_rms vs run
χ² / ndf 2.417e+04 / 26
p0 127.7 ± 0.1819
600
500
400
300
200
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

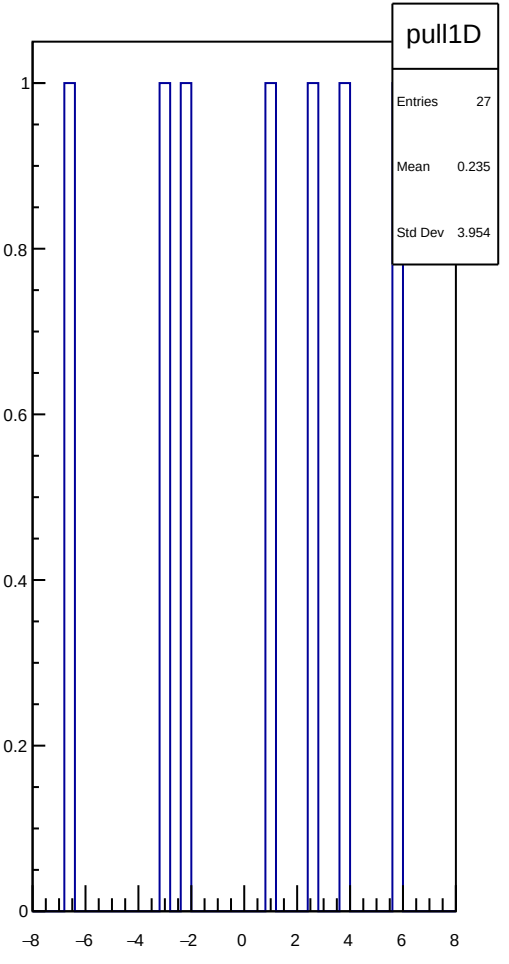

yield_bpm0i07WS_mean vs run
×10^3
χ^2 / ndf 4.504e+06 / 26
p0 1.554e+05 ± 0.3178
155.5
155
154.5
154
153.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 25.76
Std Dev 0
400
200
0
−200
−400
−600
−800
−1000

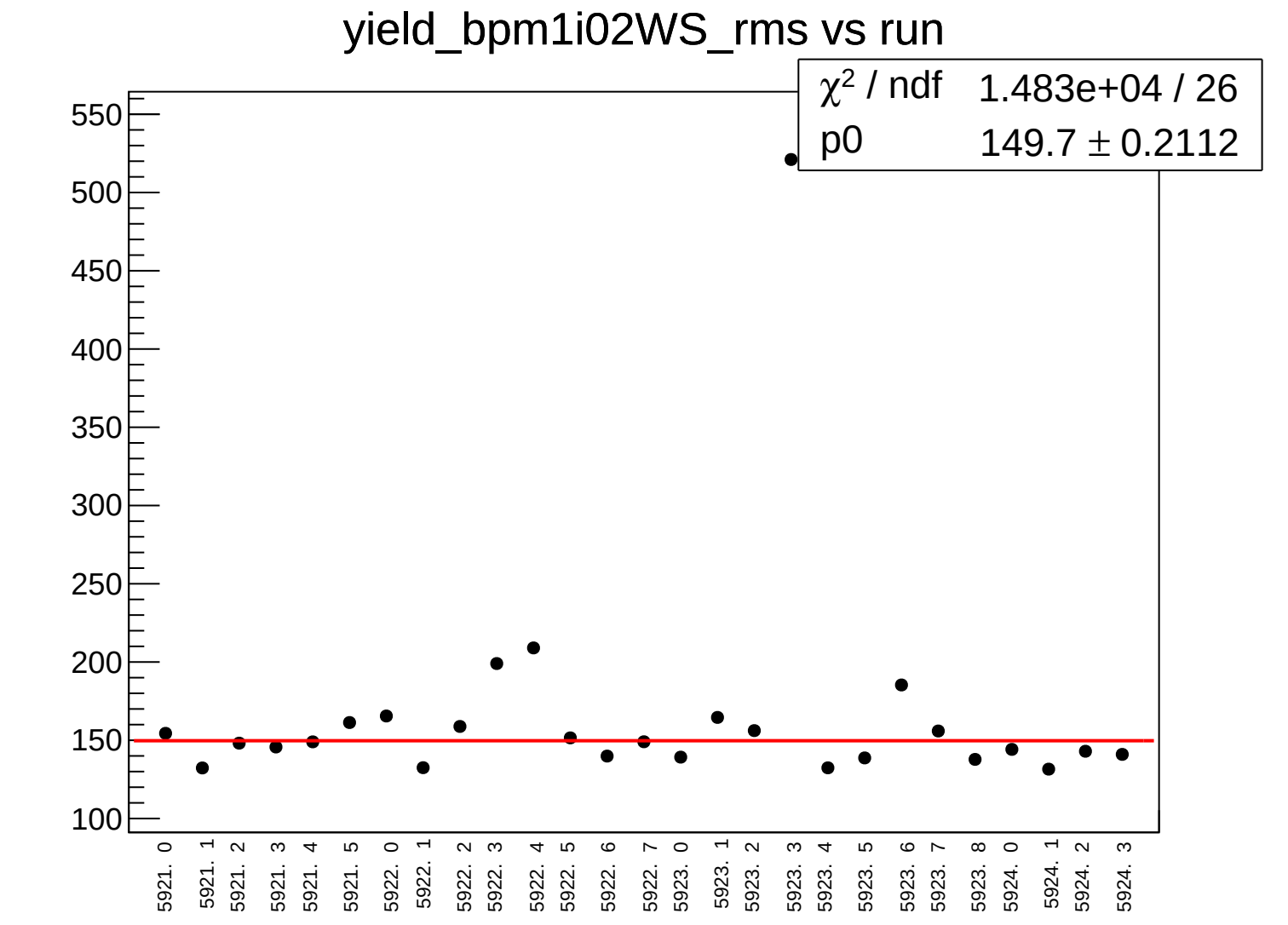

pull1D
Entries 27
Mean 7.719
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

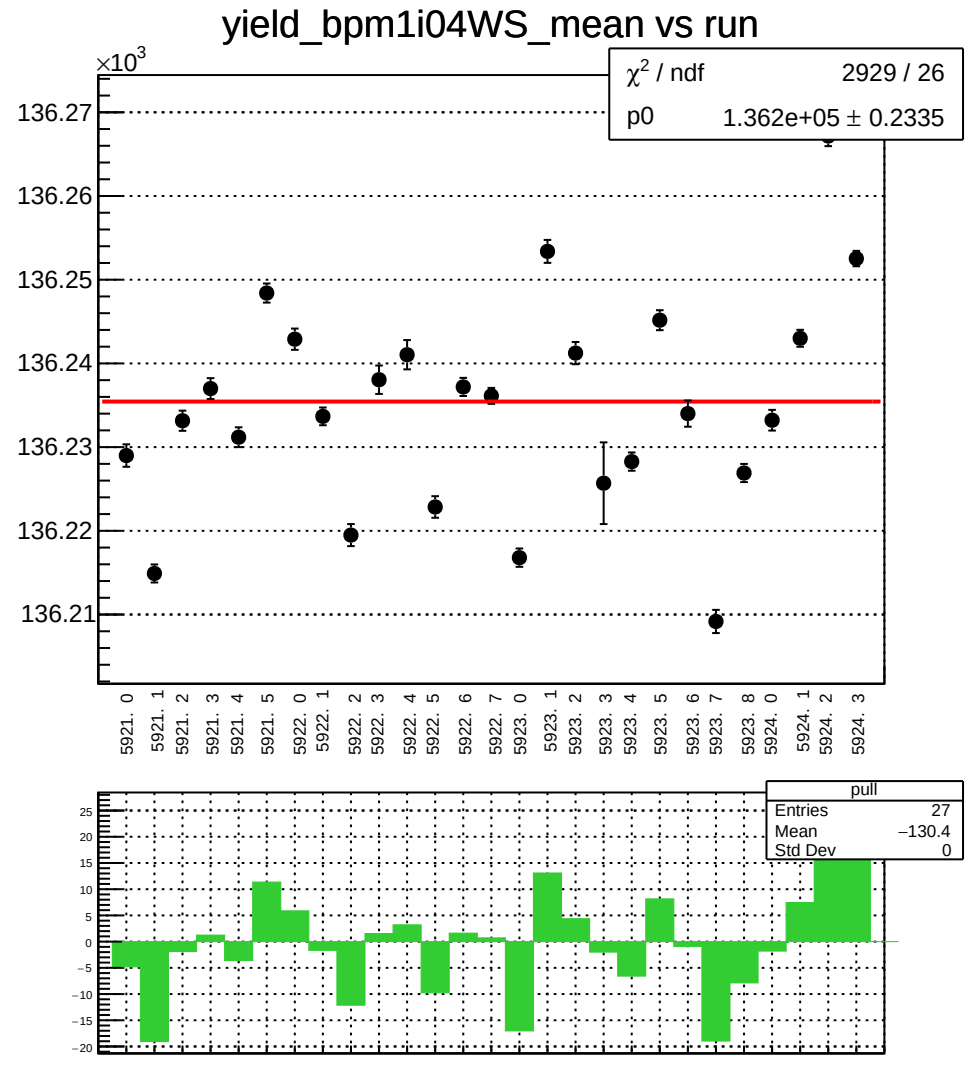

yield_bpm0i07WS_rms vs run
χ² / ndf 9.598e+04 / 26
p0 145.8 ± 0.2247
700
600
500
400
300
200
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

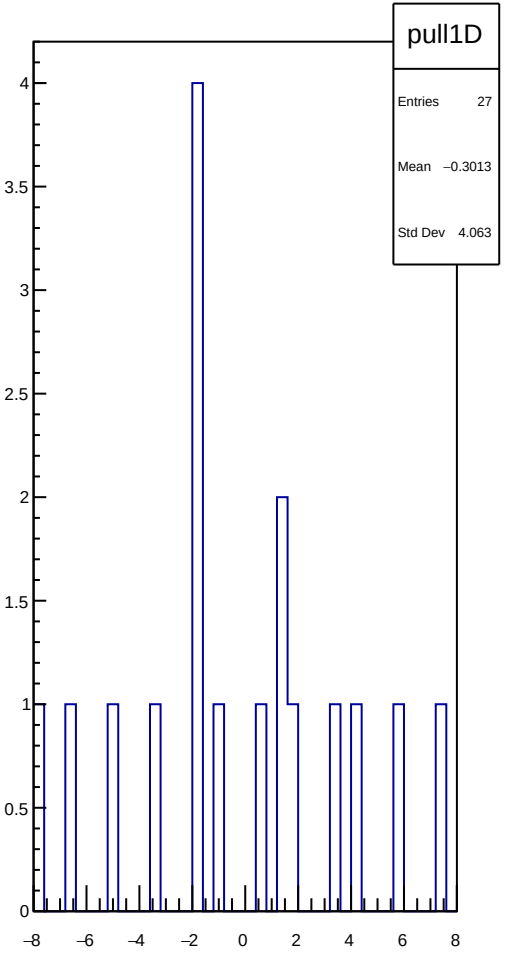

yield_bpm1i02WS_mean vs run
×10^3
χ² / ndf 1.046e+04 / 26
p0 1.543e+05 ± 0.2987
154.36
154.34
154.32
154.3
154.28
154.26
154.24
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

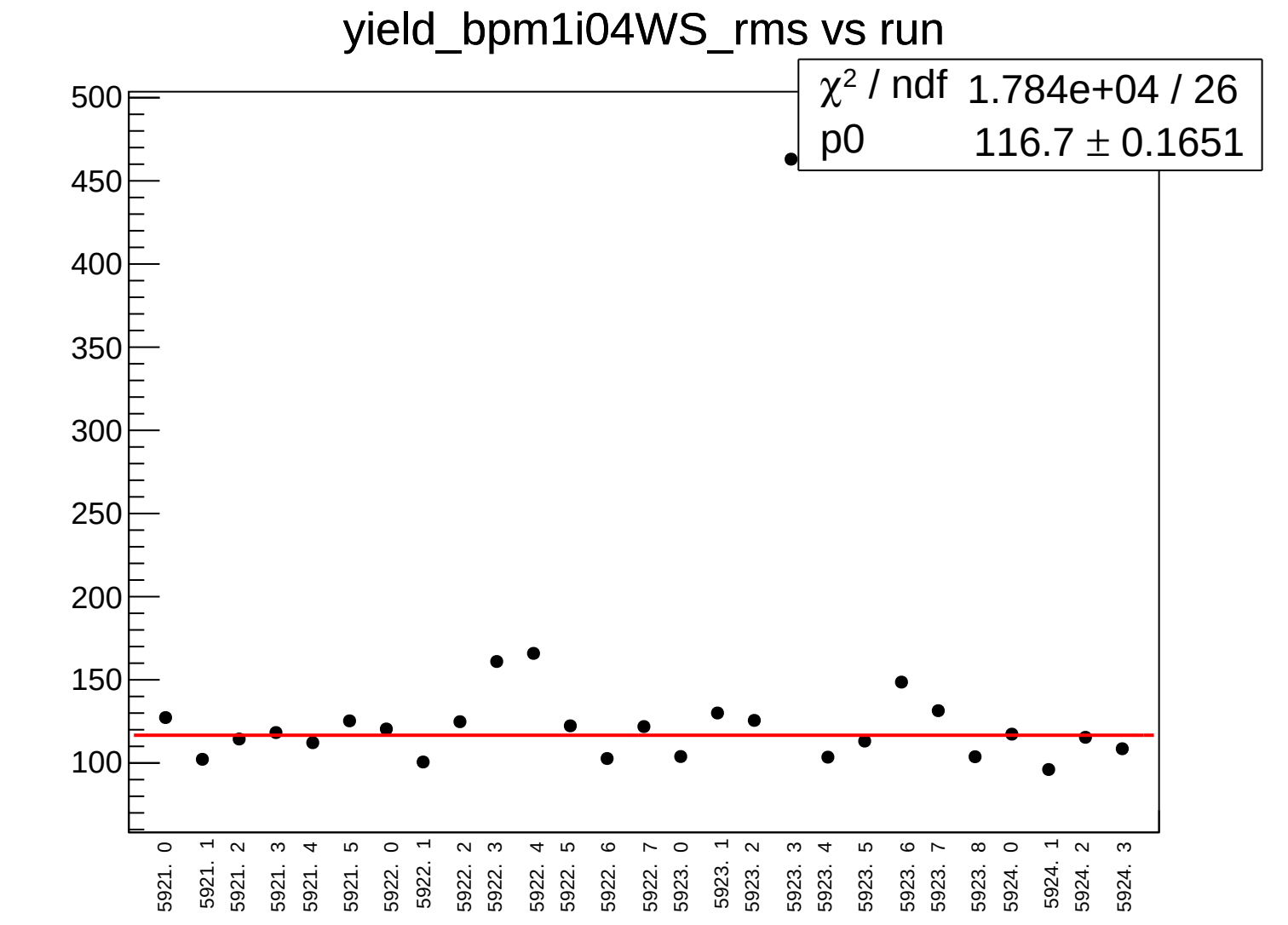

pull
Entries 27
Mean 466.8
Std Dev 0
40
30
20
10
0
−10
−20
−30
−40

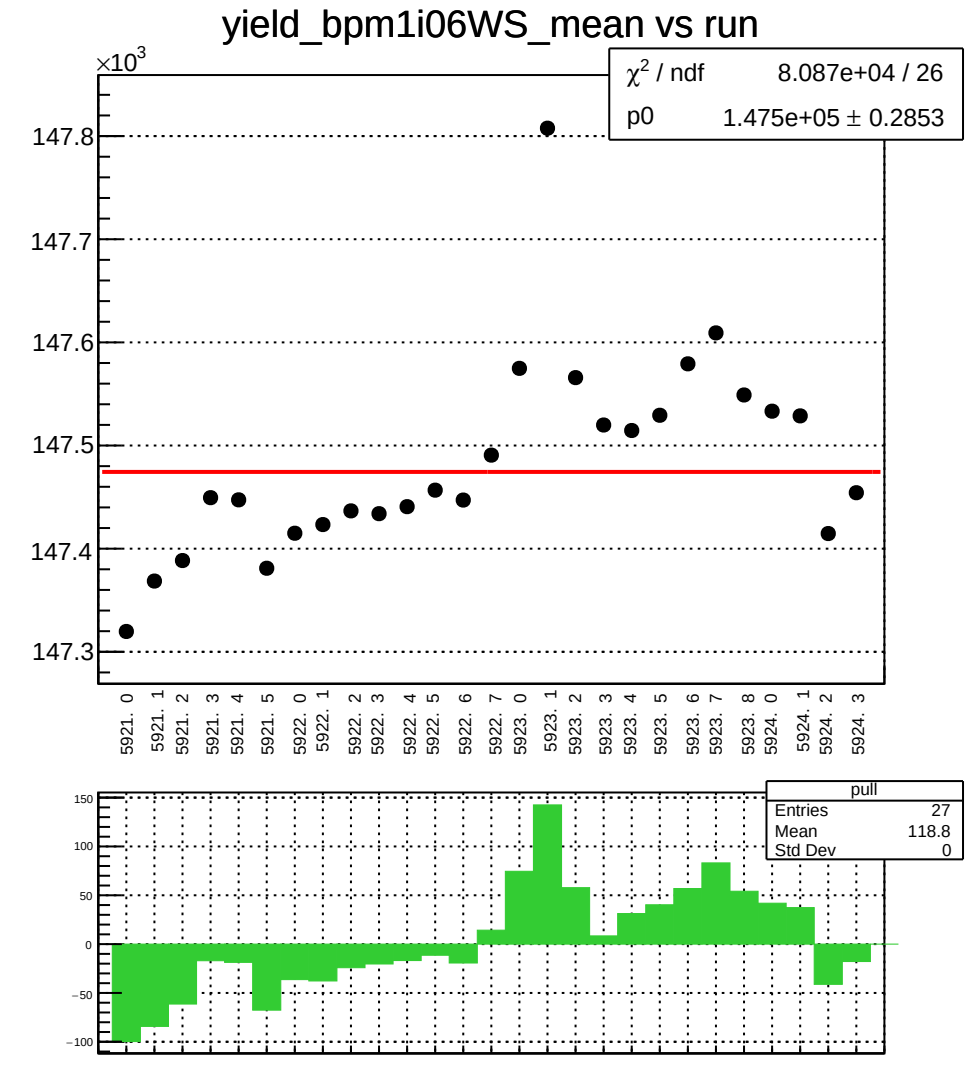

pull1D
Entries 27
Mean 0.235
Std Dev 3.954
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

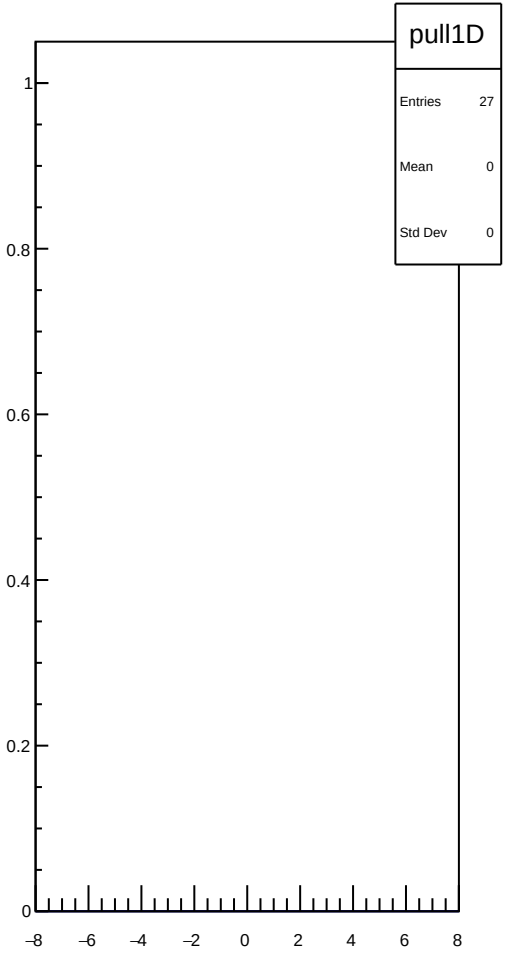

yield_bpm1i02WS_rms vs run
χ² / ndf 1.483e+04 / 26
p0 149.7 ± 0.2112
550
500
450
400
350
300
250
200
150
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

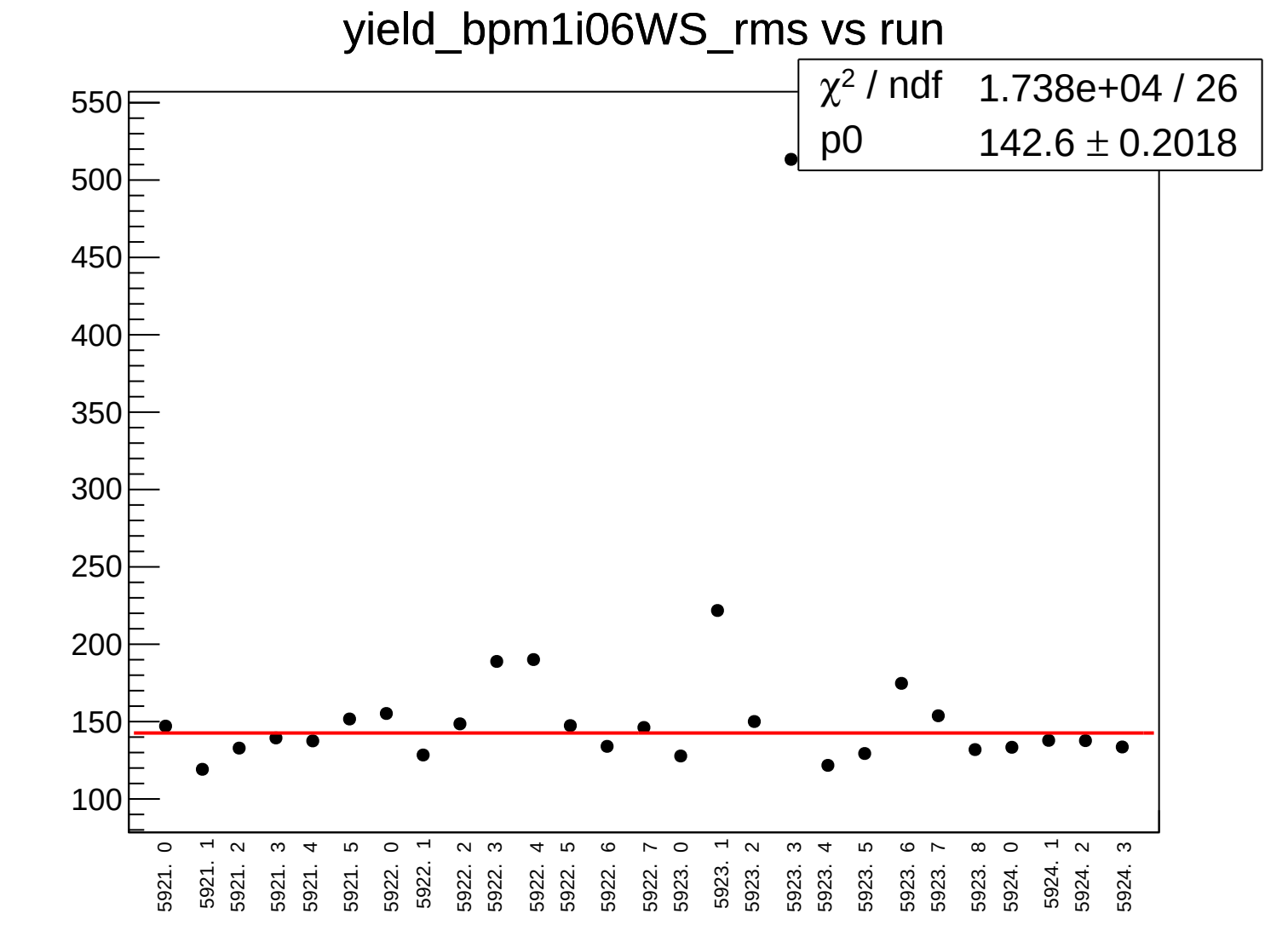

yield_bpm1i04WS_mean vs run
×10^3
χ^2 / ndf 2929 / 26
p0 1.362e+05 ± 0.2335
136.27
136.26
136.25
136.24
136.23
136.22
136.21
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −130.4
Std Dev 0
25
20
15
10
5
0
−5
−10
−15
−20

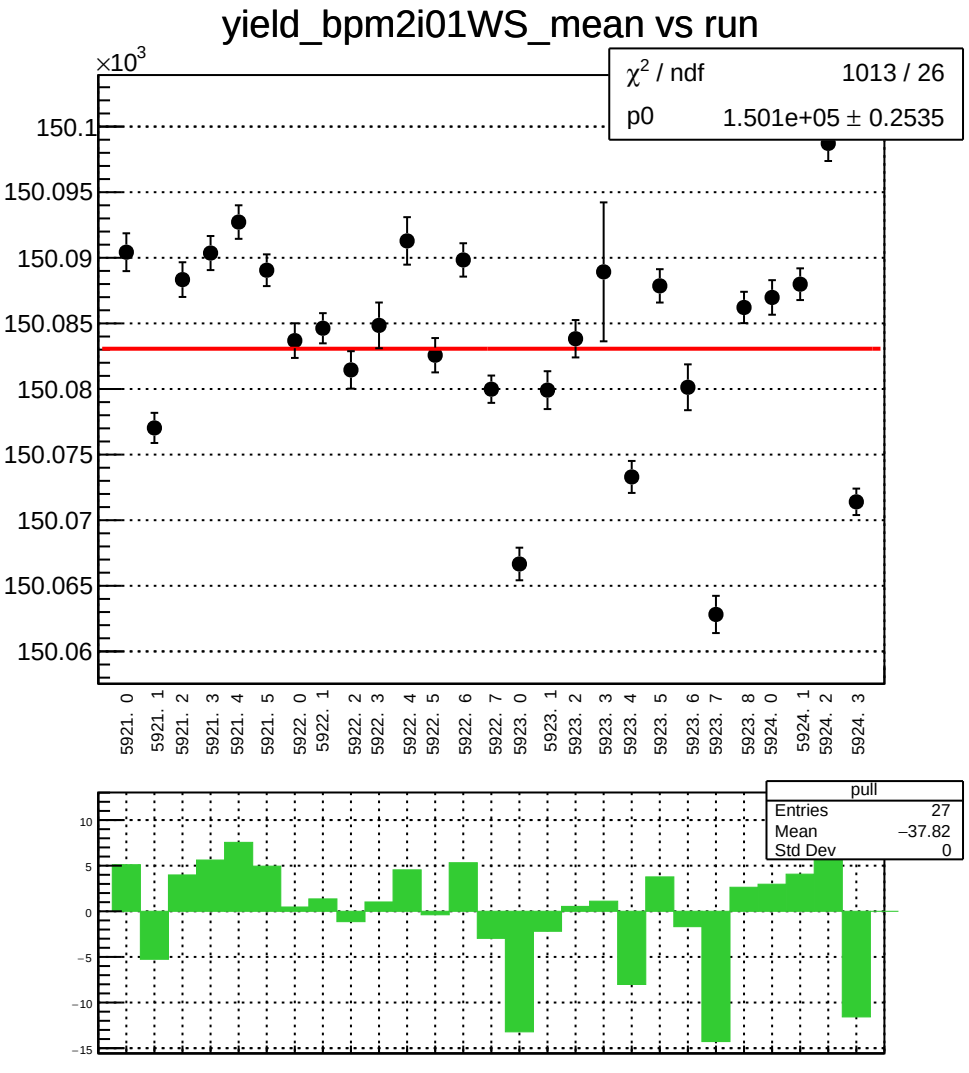

pull1D
Entries 27
Mean −0.3013
Std Dev 4.063
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

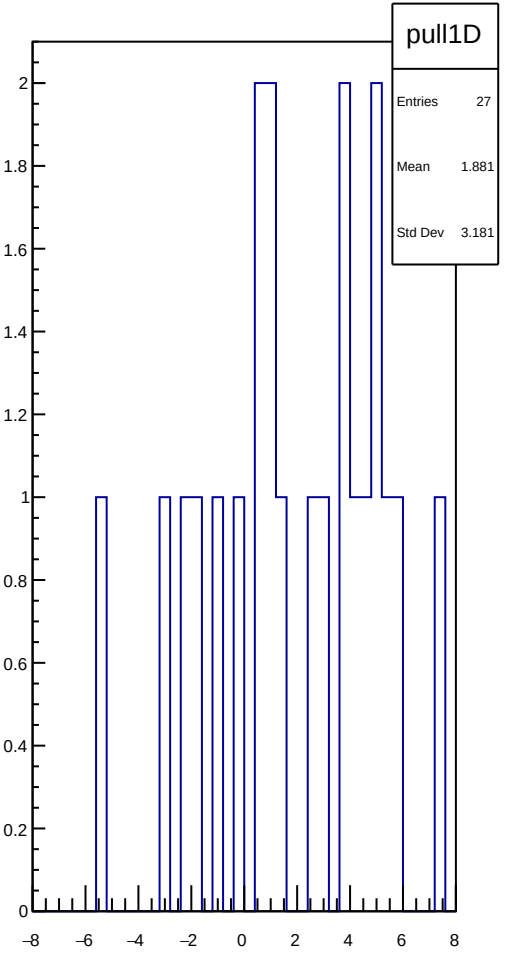

yield_bpm1i04WS_rms vs run
χ² / ndf 1.784e+04 / 26
p0 116.7 ± 0.1651
500
450
400
350
300
250
200
150
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

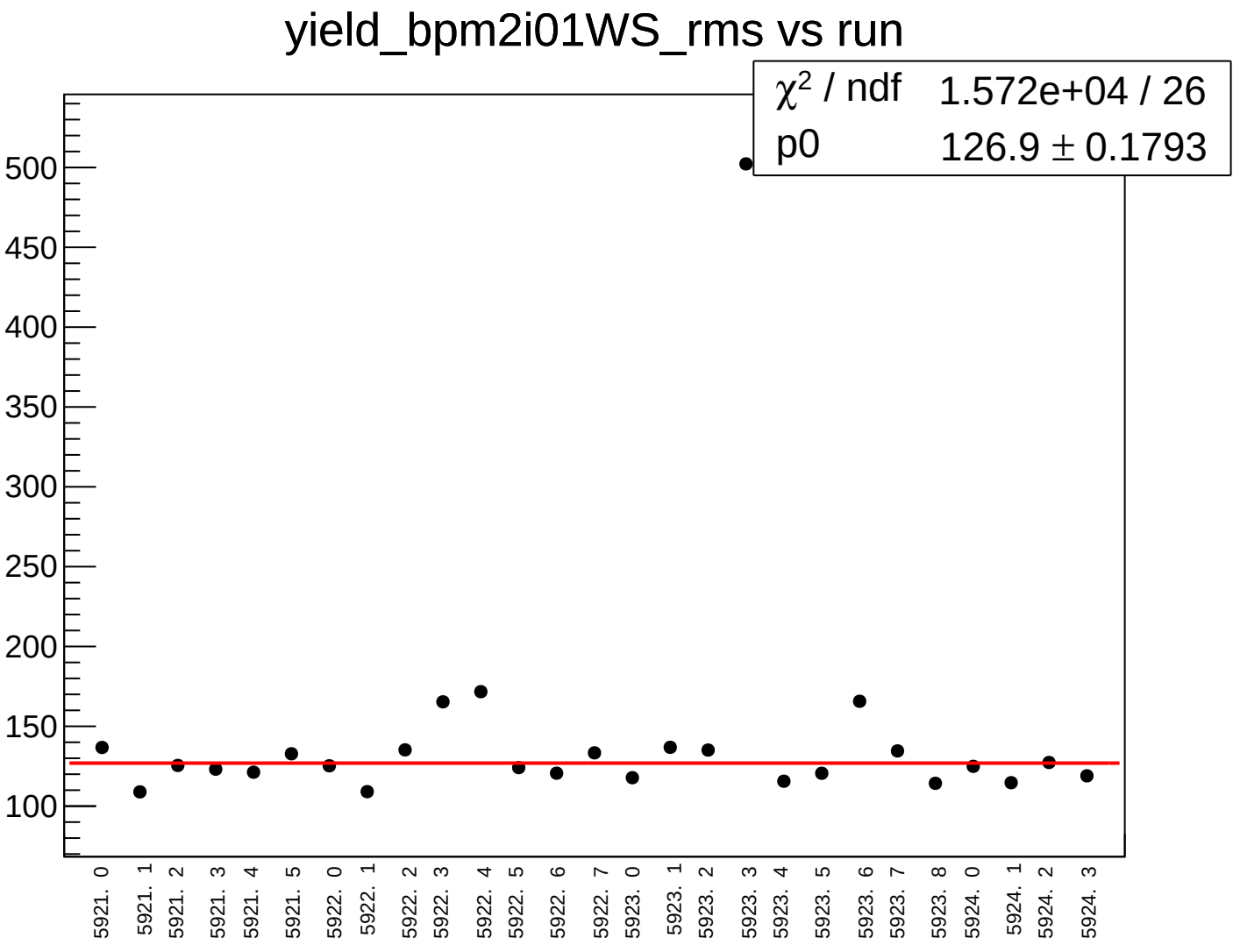

yield_bpm1i06WS_mean vs run
×10^3
χ² / ndf 8.087e+04 / 26
p0 1.475e+05 ± 0.2853
147.8
147.7
147.6
147.5
147.4
147.3
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 118.8
Std Dev 0
150
100
50
0
−50
−100

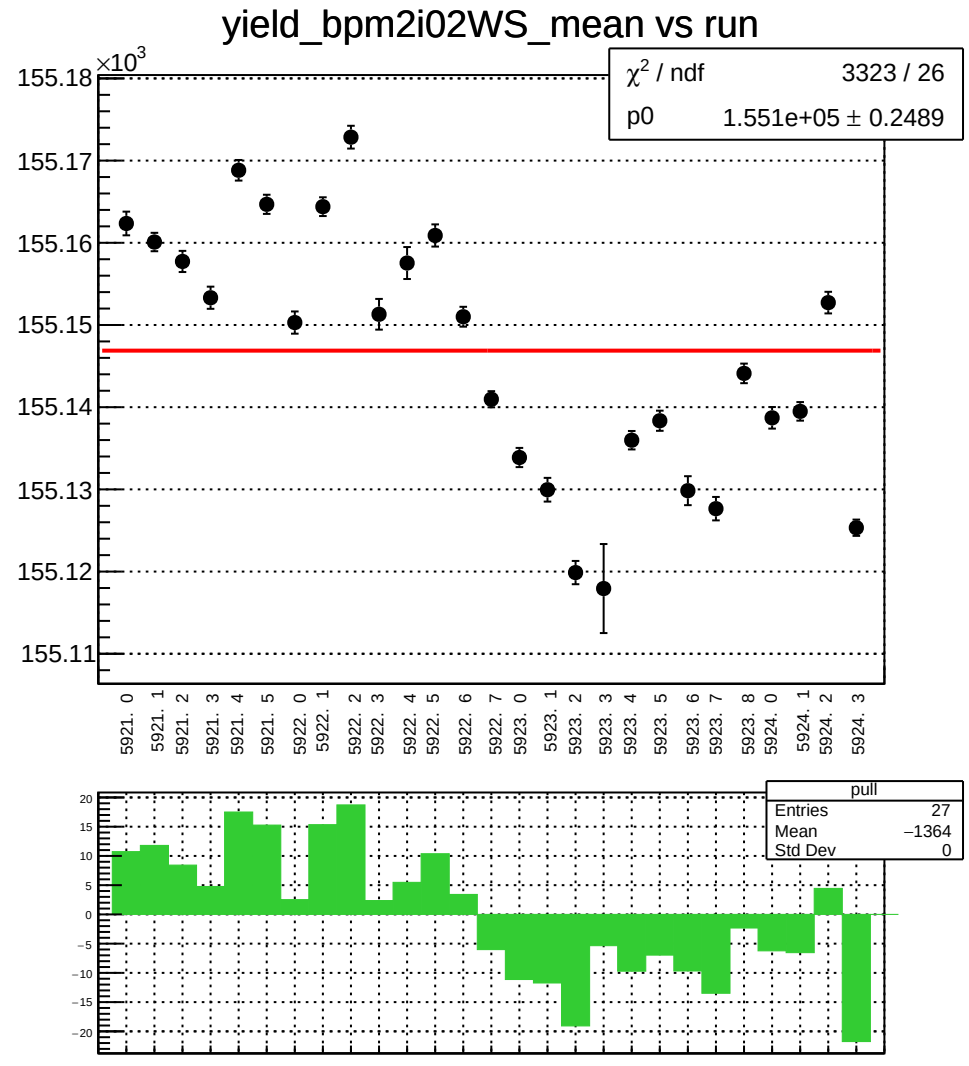

pull1D
Entries 27
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

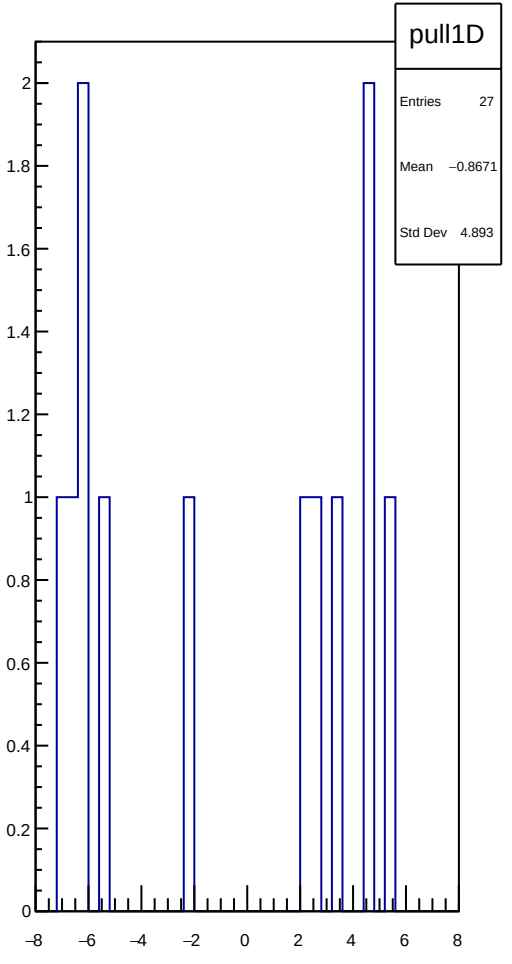

yield_bpm1i06WS_rms vs run
χ² / ndf 1.738e+04 / 26
p0 142.6 ± 0.2018
550
500
450
400
350
300
250
200
150
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

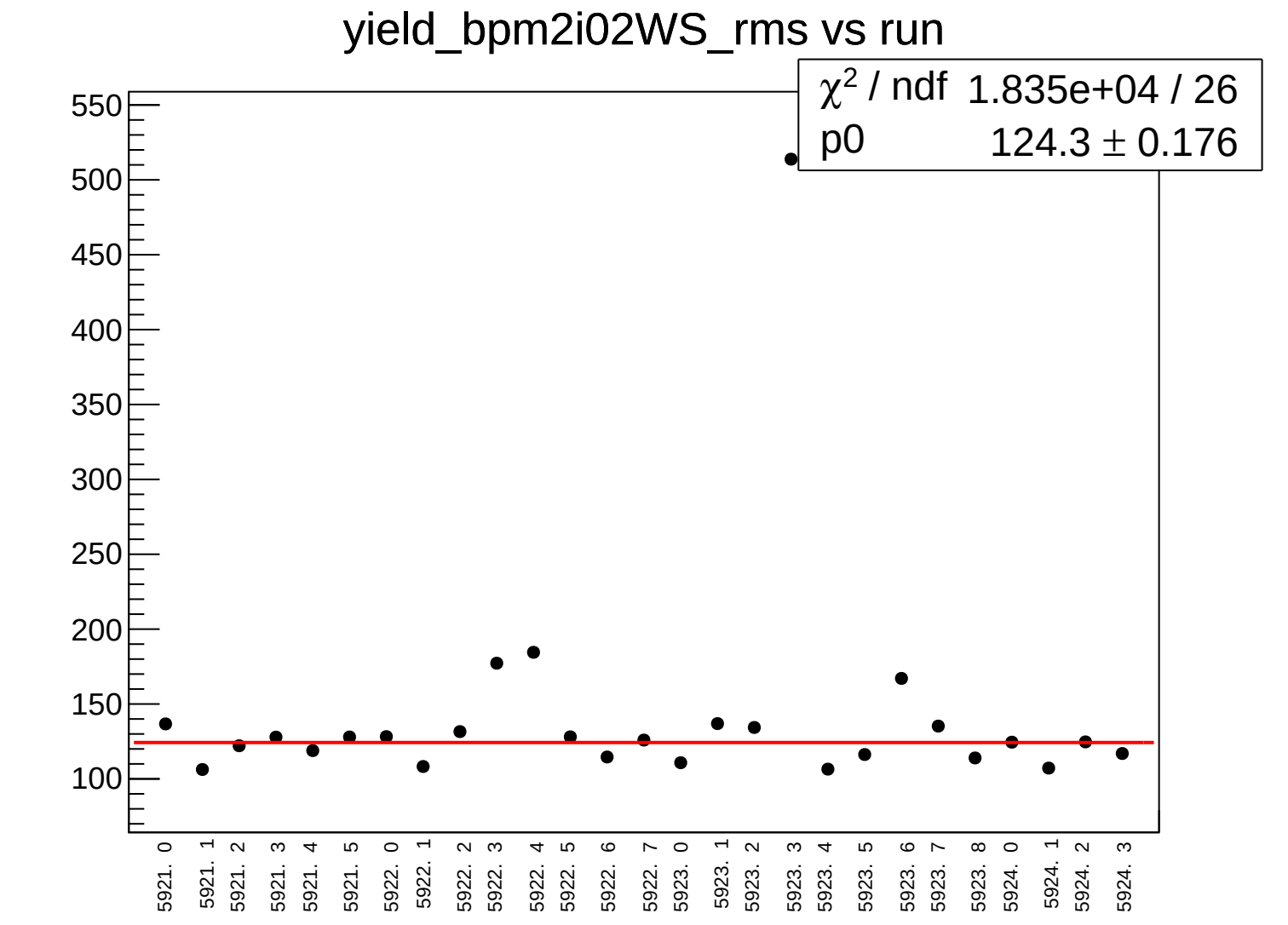

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 1013 / 26
p0 1.501e+05 ± 0.2535
150.1
150.095
150.09
150.085
150.08
150.075
150.07
150.065
150.06
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −37.82
Std Dev 0
10
5
0
−5
−10
−15

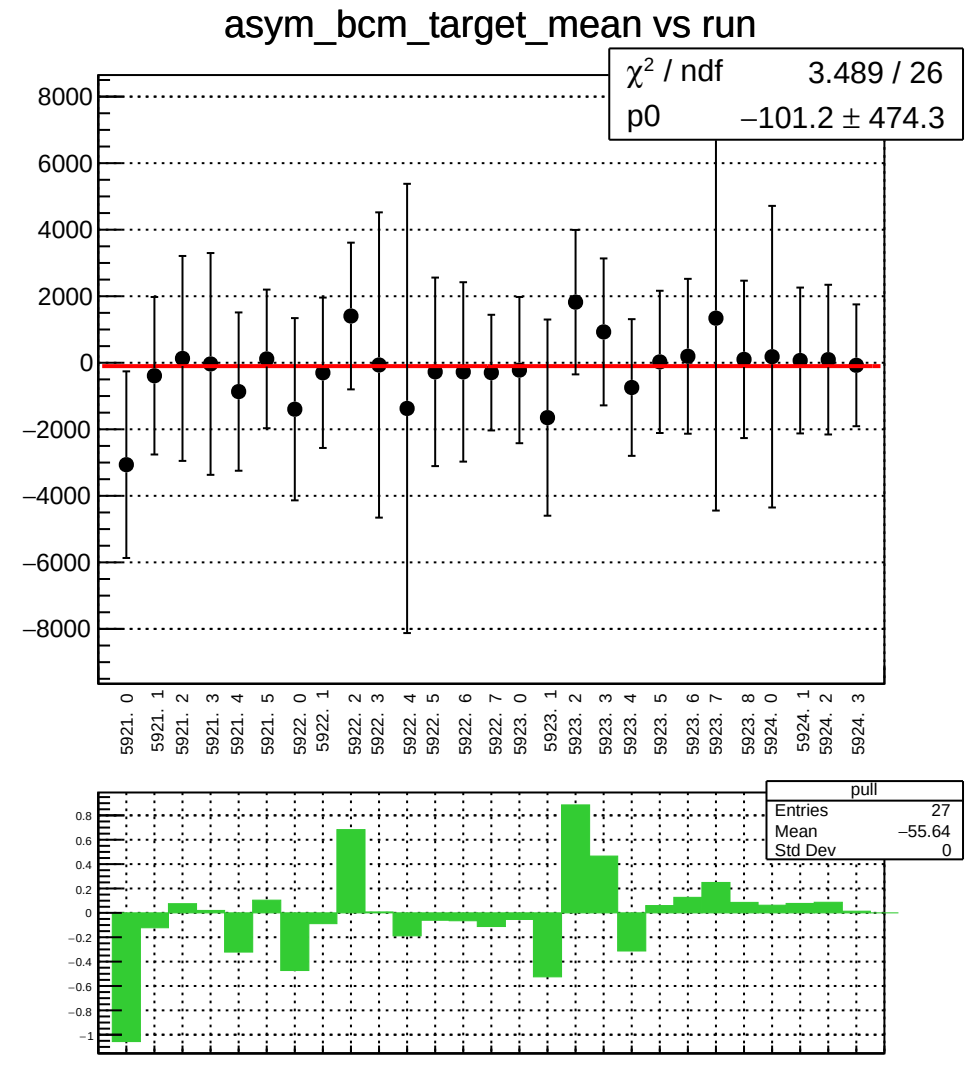

pull1D
Entries 27
Mean 1.881
Std Dev 3.181
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

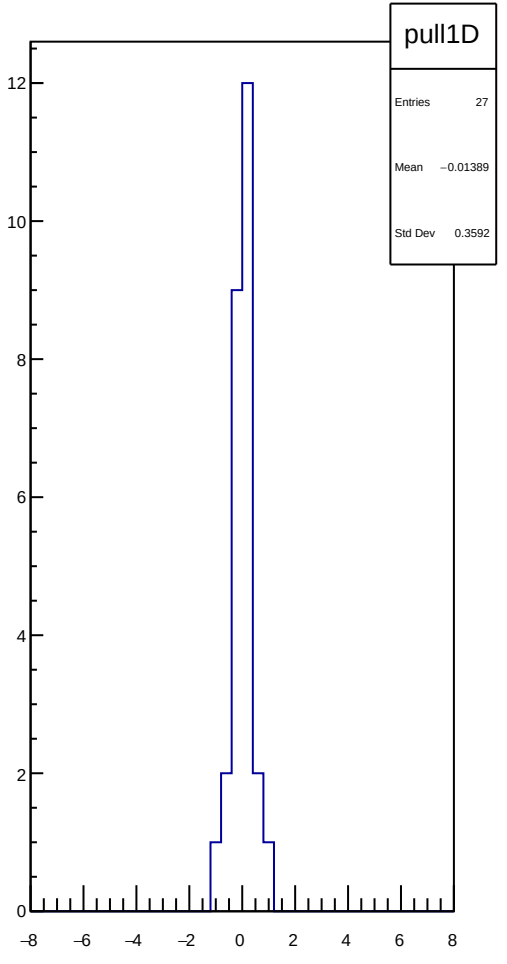

yield_bpm2i01WS_rms vs run
χ² / ndf 1.572e+04 / 26
p0 126.9 ± 0.1793
500
450
400
350
300
250
200
150
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

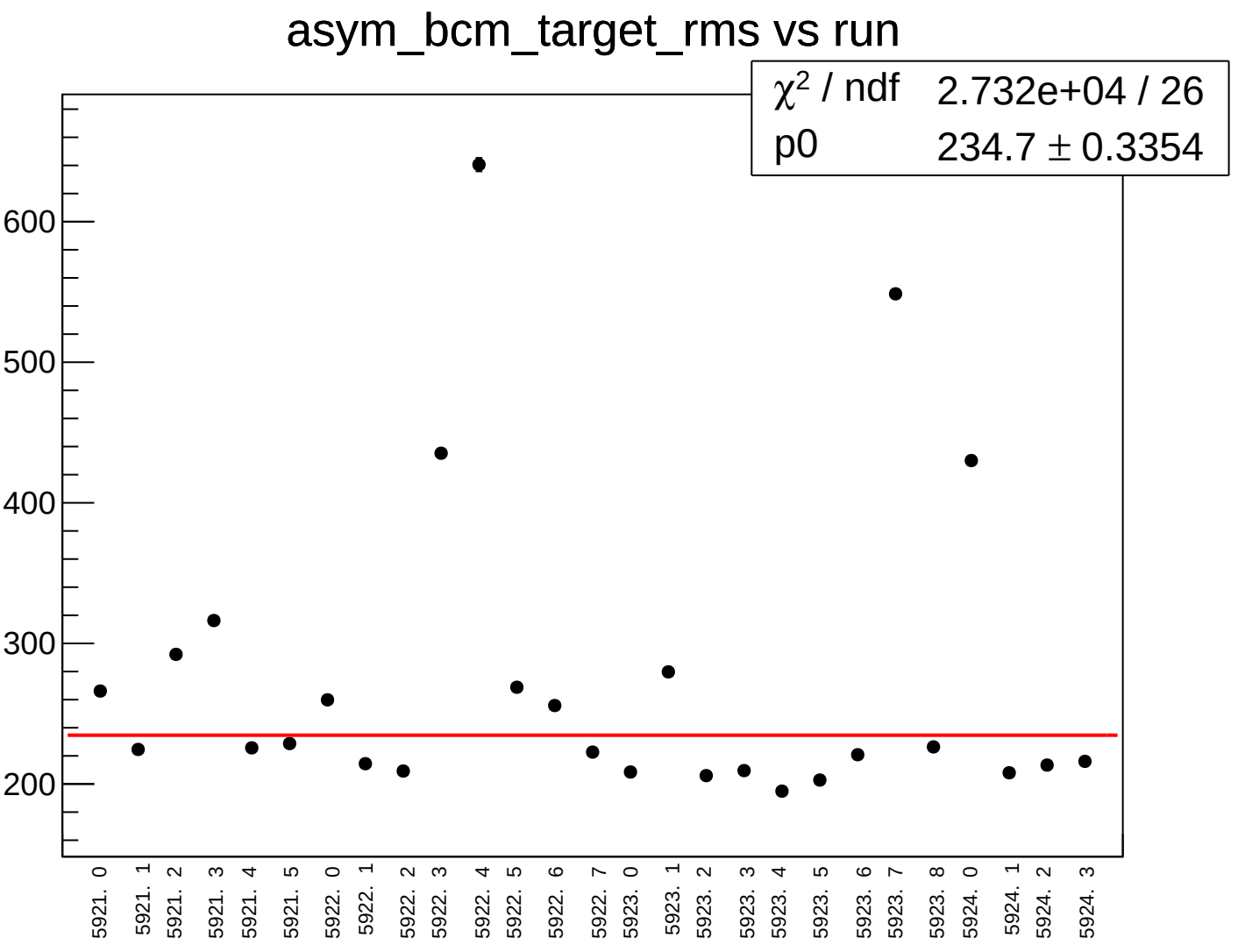

yield_bpm2i02WS_mean vs run
×10^3
155.18
155.17
155.16
155.15
155.14
155.13
155.12
155.11
χ² / ndf 3323 / 26
p0 1.551e+05 ± 0.2489
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −1364
Std Dev 0
20
15
10
5
0
−5
−10
−15
−20

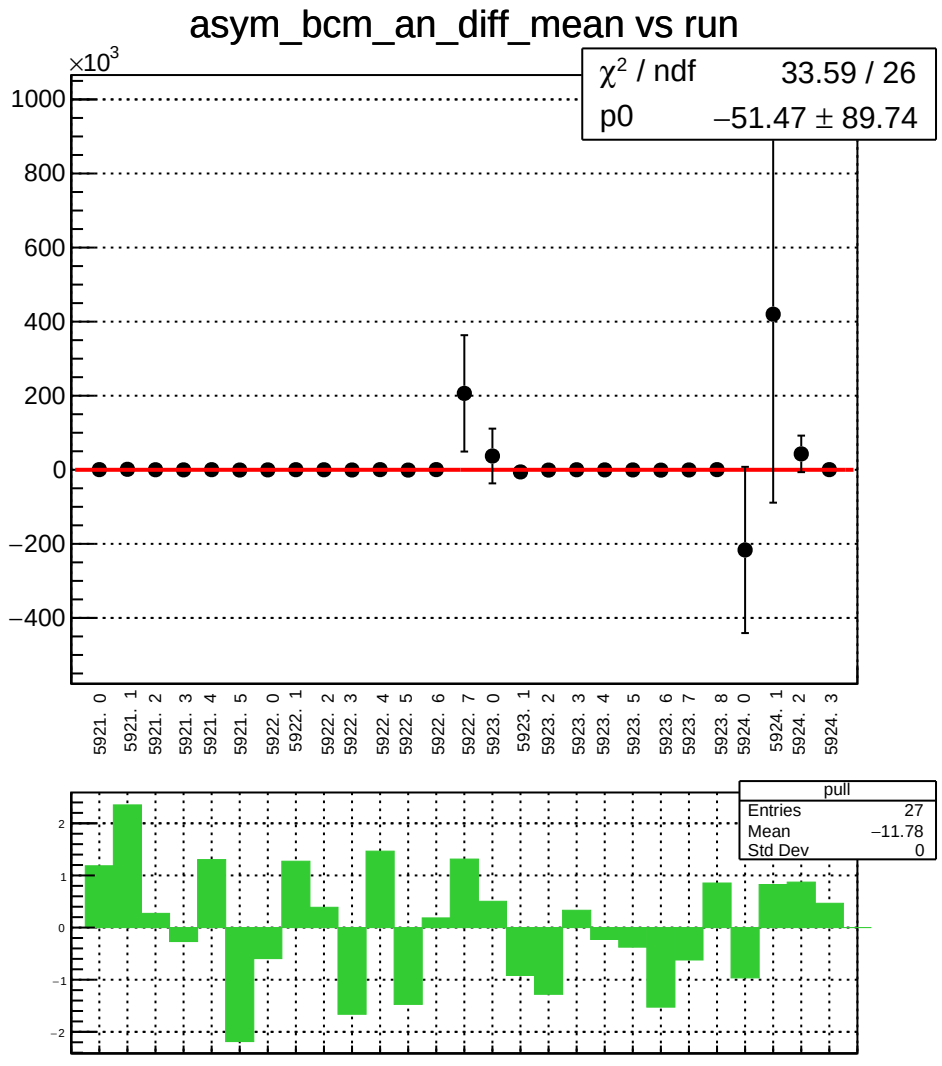

pull1D
Entries 27
Mean −0.8671
Std Dev 4.893
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

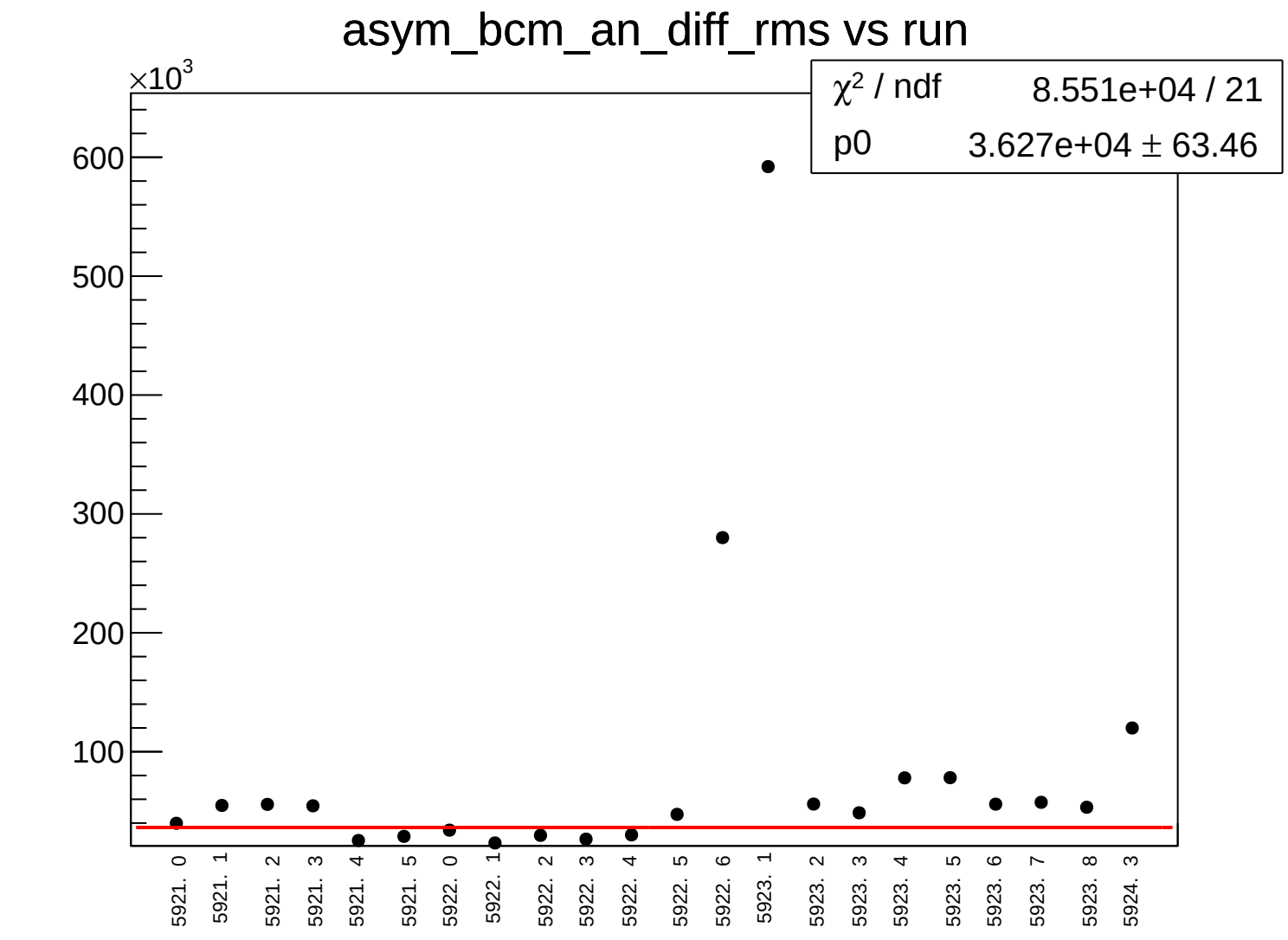

yield_bpm2i02WS_rms vs run
χ² / ndf 1.835e+04 / 26
p0 124.3 ± 0.176
550
500
450
400
350
300
250
200
150
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

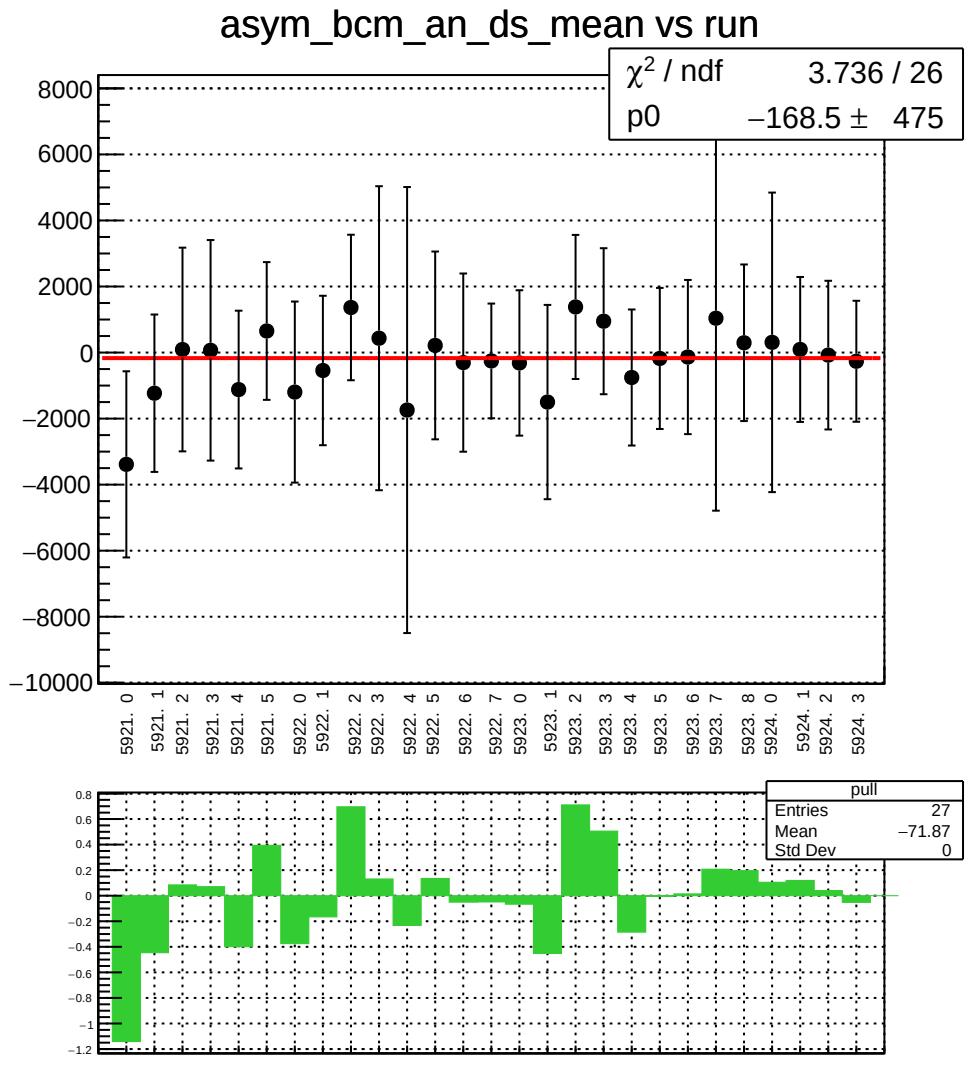

asym_bcm_target_mean vs run
χ² / ndf 3.489 / 26
p0 −101.2 ± 474.3
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −55.64
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

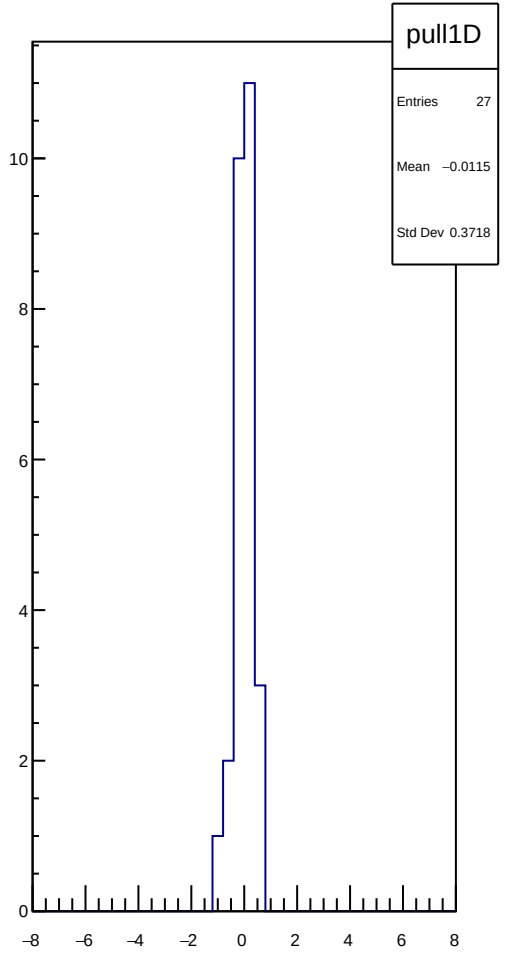

pull1D
Entries 27
Mean −0.01389
Std Dev 0.3592
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

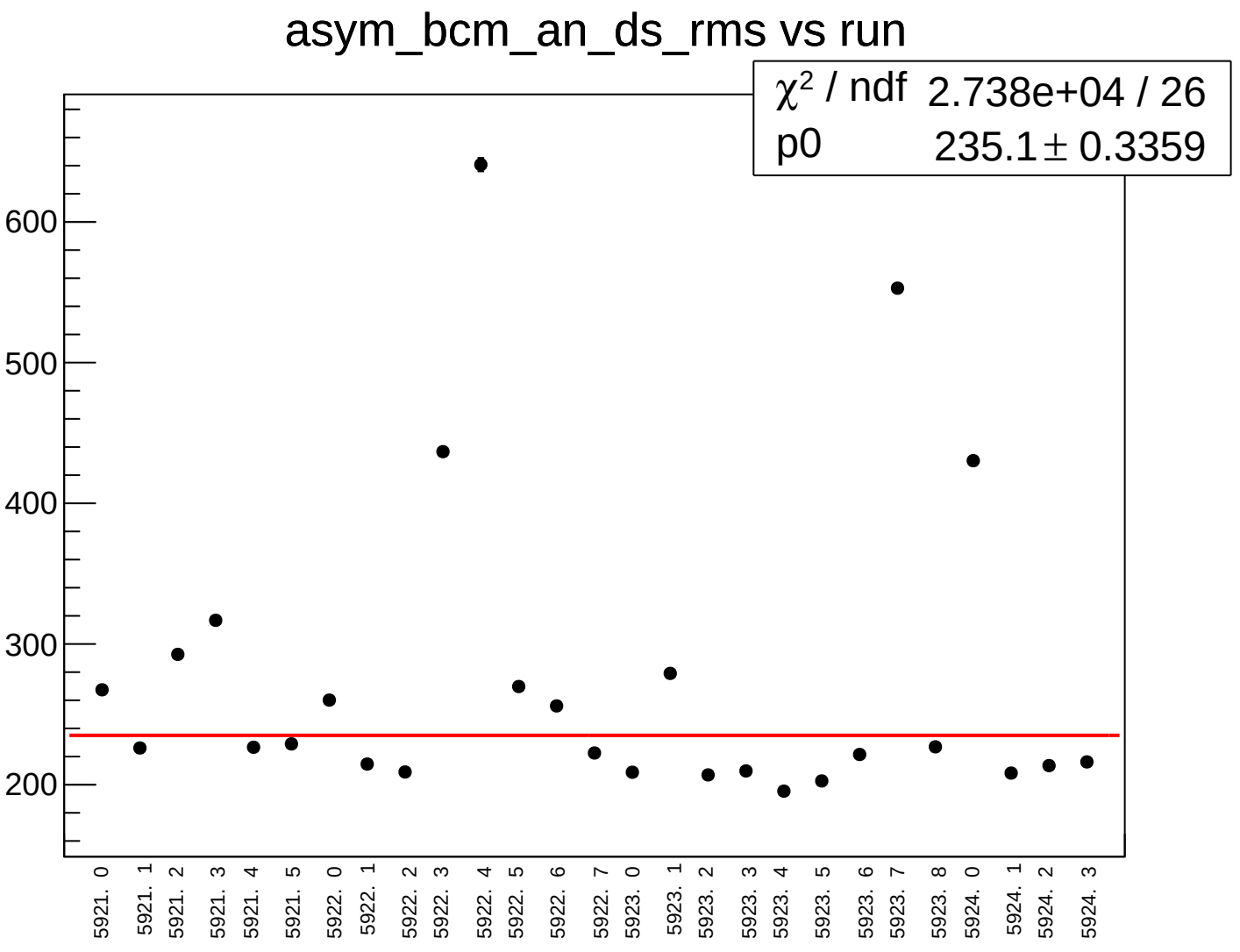

asym_bcm_target_rms vs run
χ² / ndf 2.732e+04 / 26
p0 234.7 ± 0.3354
600
500
400
300
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

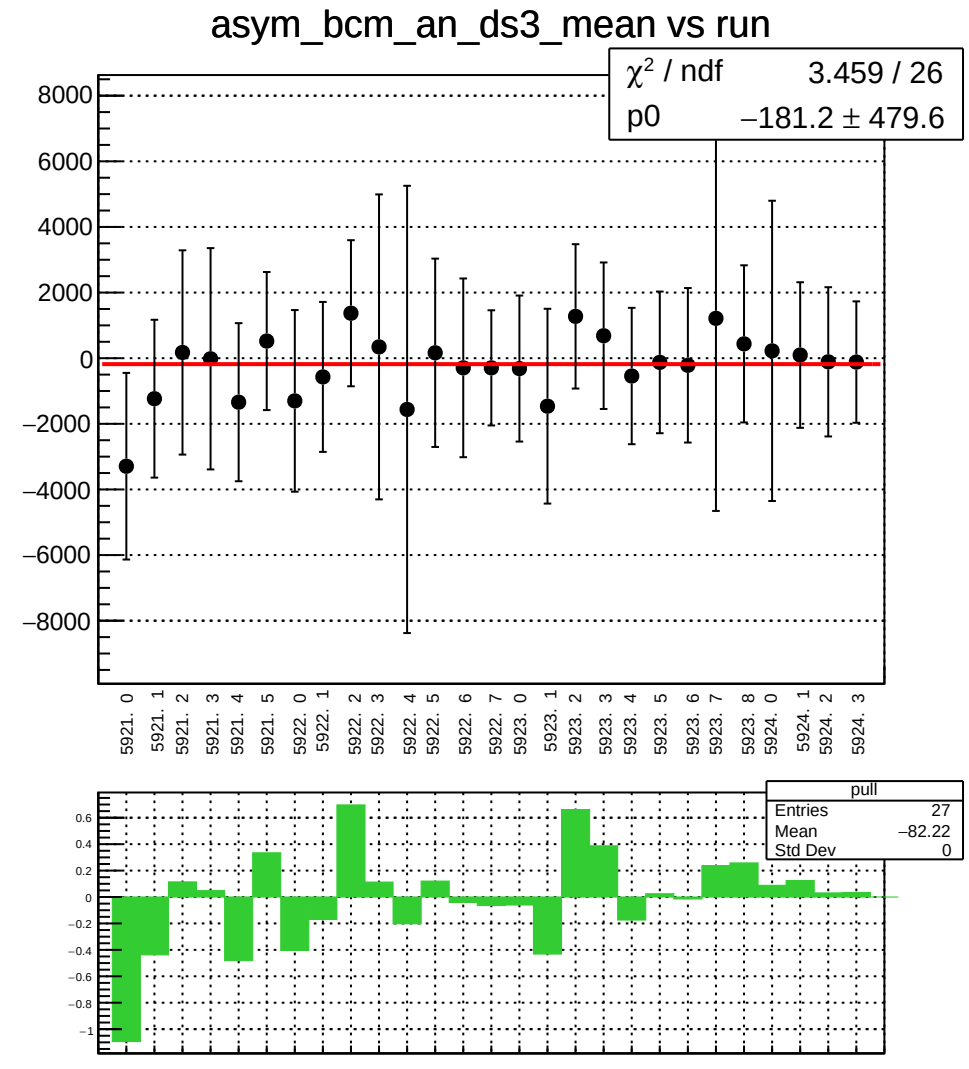

asym_bcm_an_diff_mean vs run
×10^3
χ² / ndf 33.59 / 26
p0 −51.47 ± 89.74
1000
800
600
400
200
0
−200
−400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −11.78
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.05543
Std Dev 1.114
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

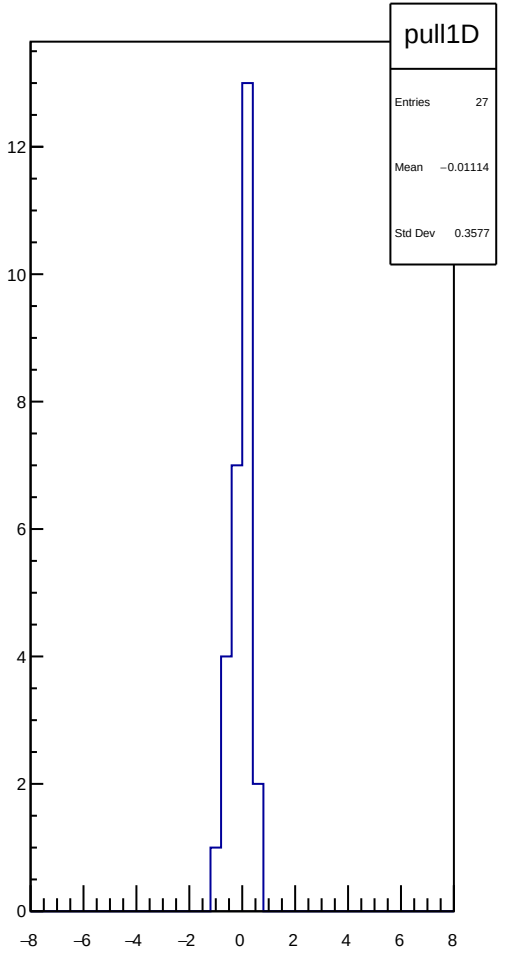

asym_bcm_an_diff_rms vs run
×10^3
χ² / ndf 8.551e+04 / 21
p0 3.627e+04 ± 63.46
600
500
400
300
200
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 3

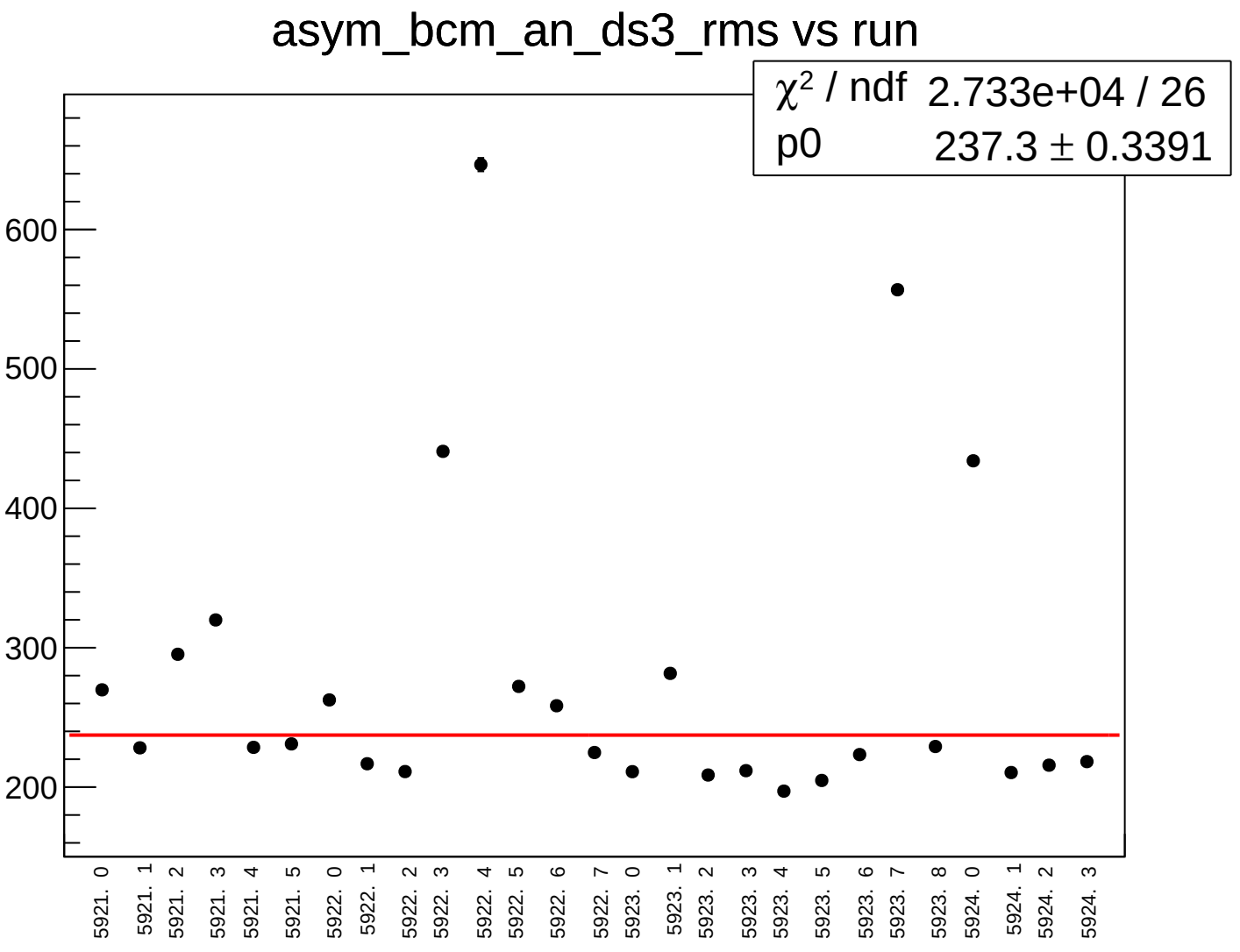

asym_bcm_an_ds_mean vs run
χ² / ndf 3.736 / 26
p0 −168.5 ± 475
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −71.87
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

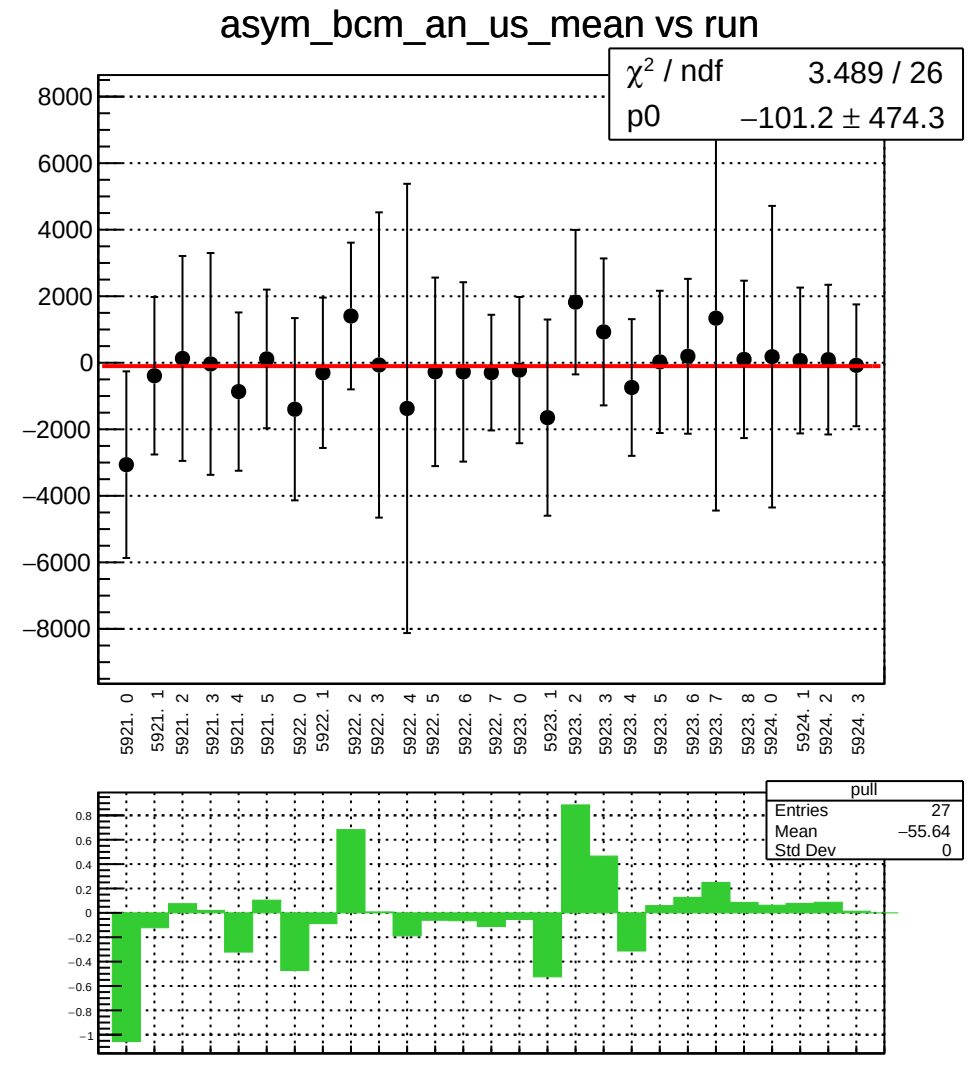

pull1D
Entries 27
Mean −0.0115
Std Dev 0.3718
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

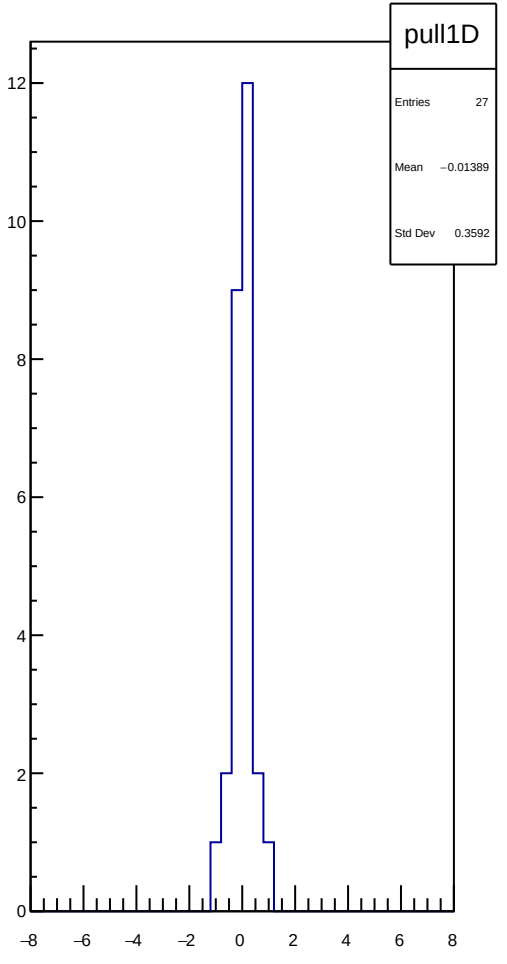

asym_bcm_an_ds_rms vs run
χ² / ndf 2.738e+04 / 26
p0 235.1 ± 0.3359
600
500
400
300
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

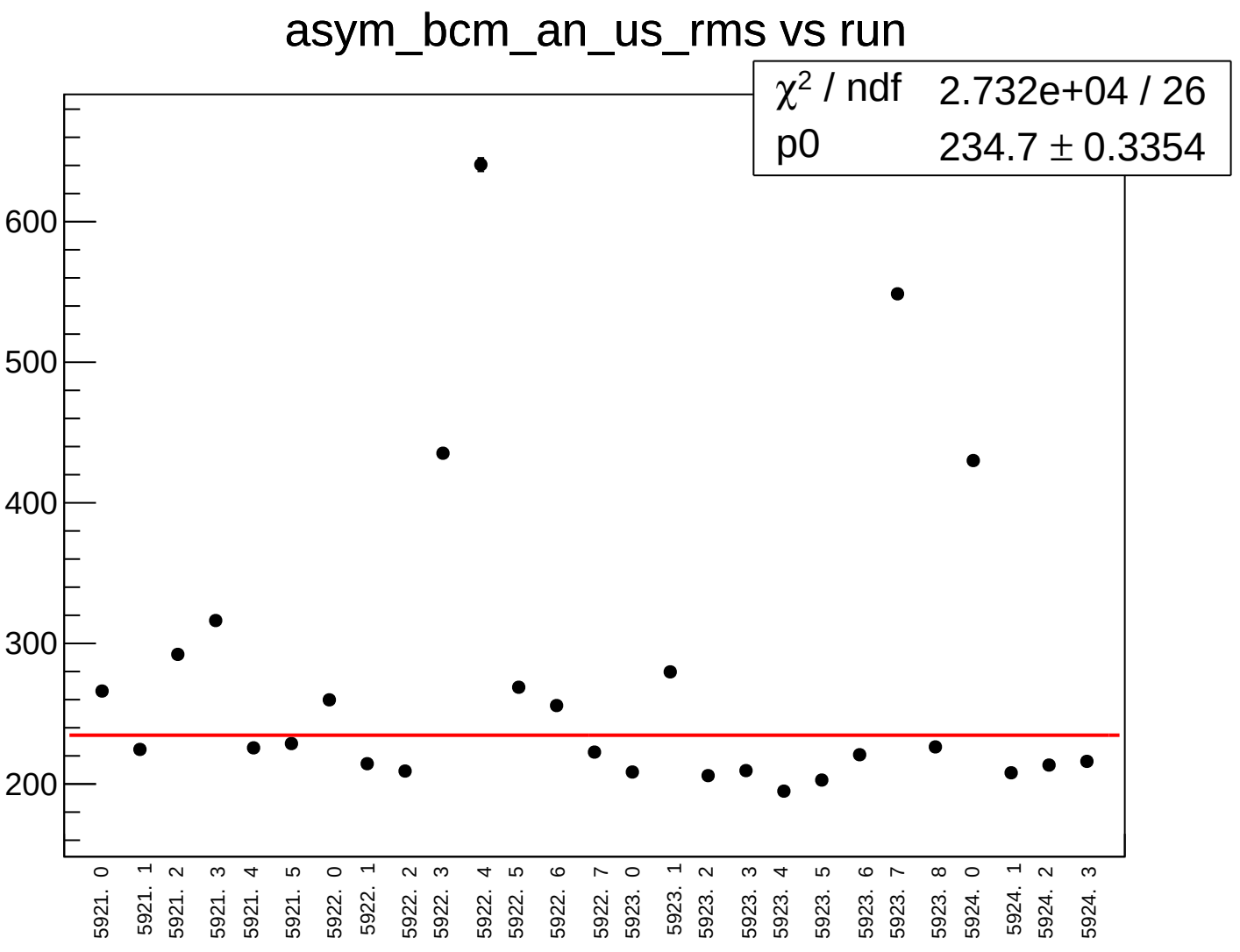

asym_bcm_an_ds3_mean vs run
χ² / ndf 3.459 / 26
p0 −181.2 ± 479.6
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −82.22
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

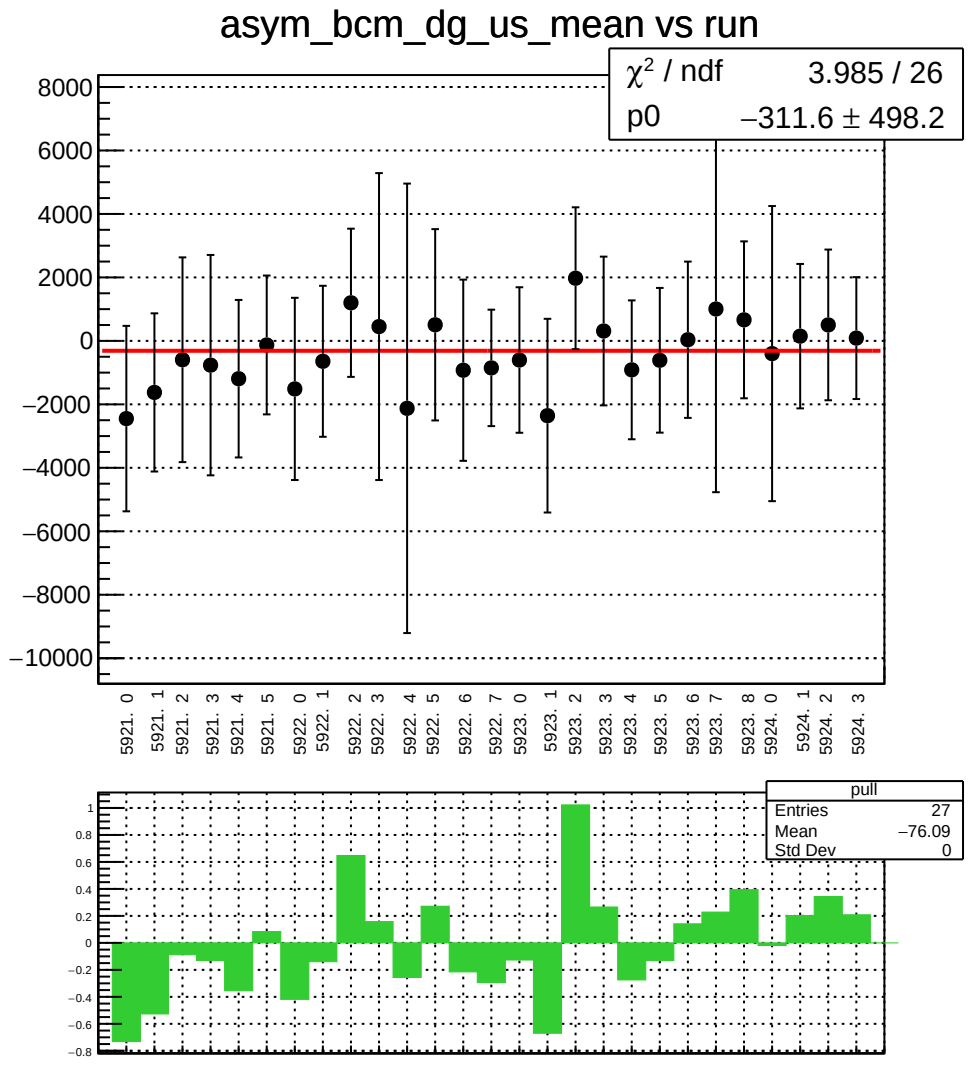

pull1D
Entries 27
Mean −0.01114
Std Dev 0.3577
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

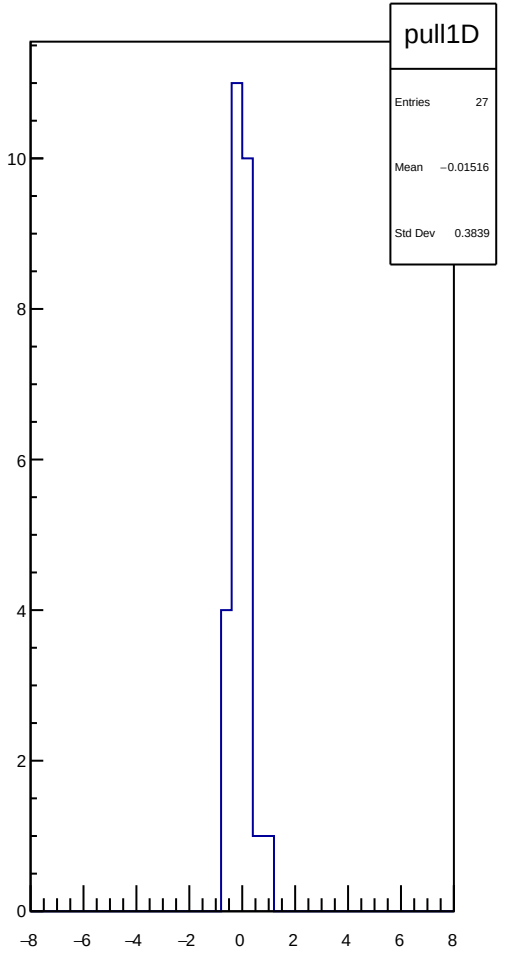

asym_bcm_an_ds3_rms vs run
χ² / ndf 2.733e+04 / 26
p0 237.3 ± 0.3391
600
500
400
300
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

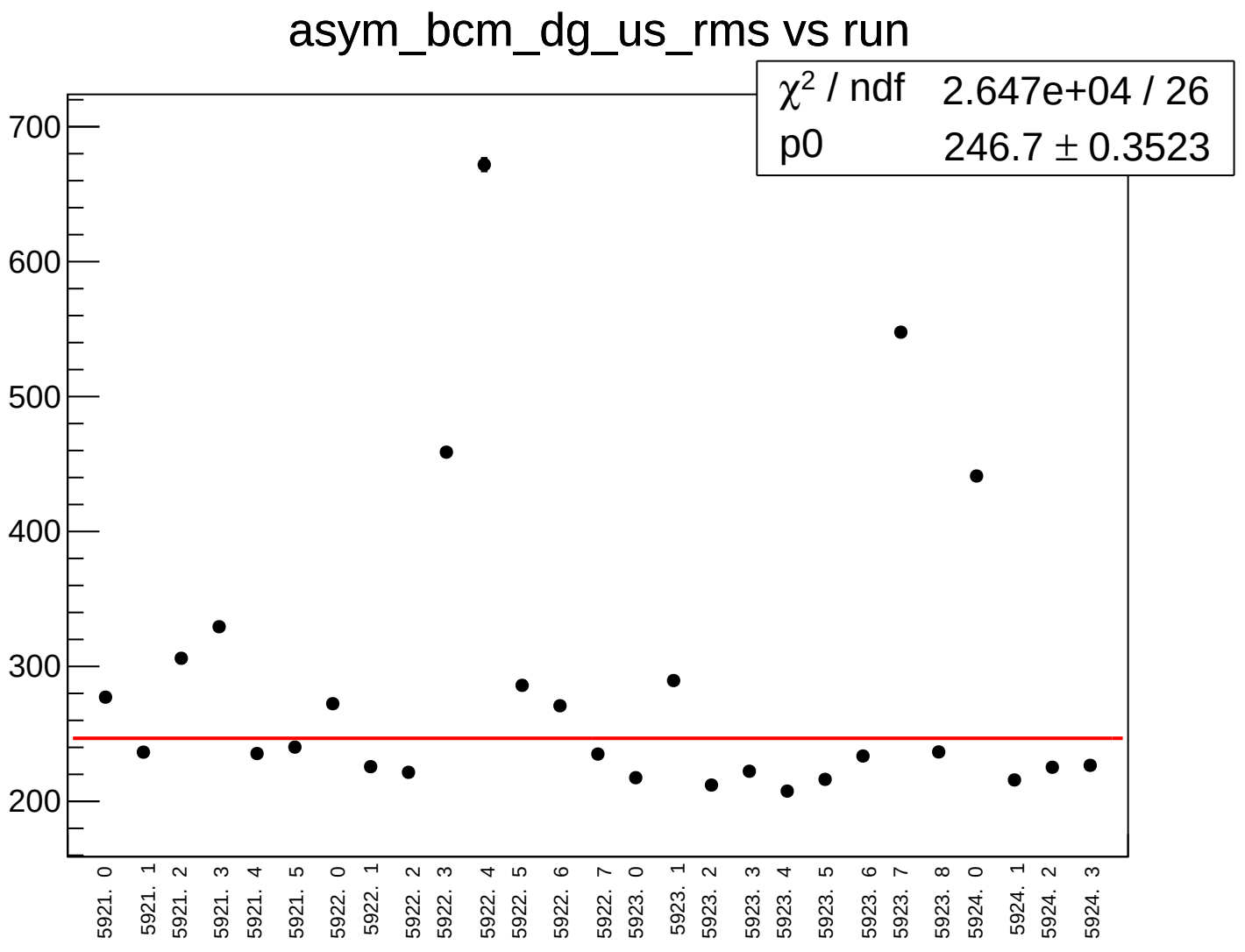

asym_bcm_an_us_mean vs run
χ² / ndf 3.489 / 26
p0 −101.2 ± 474.3
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −55.64
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

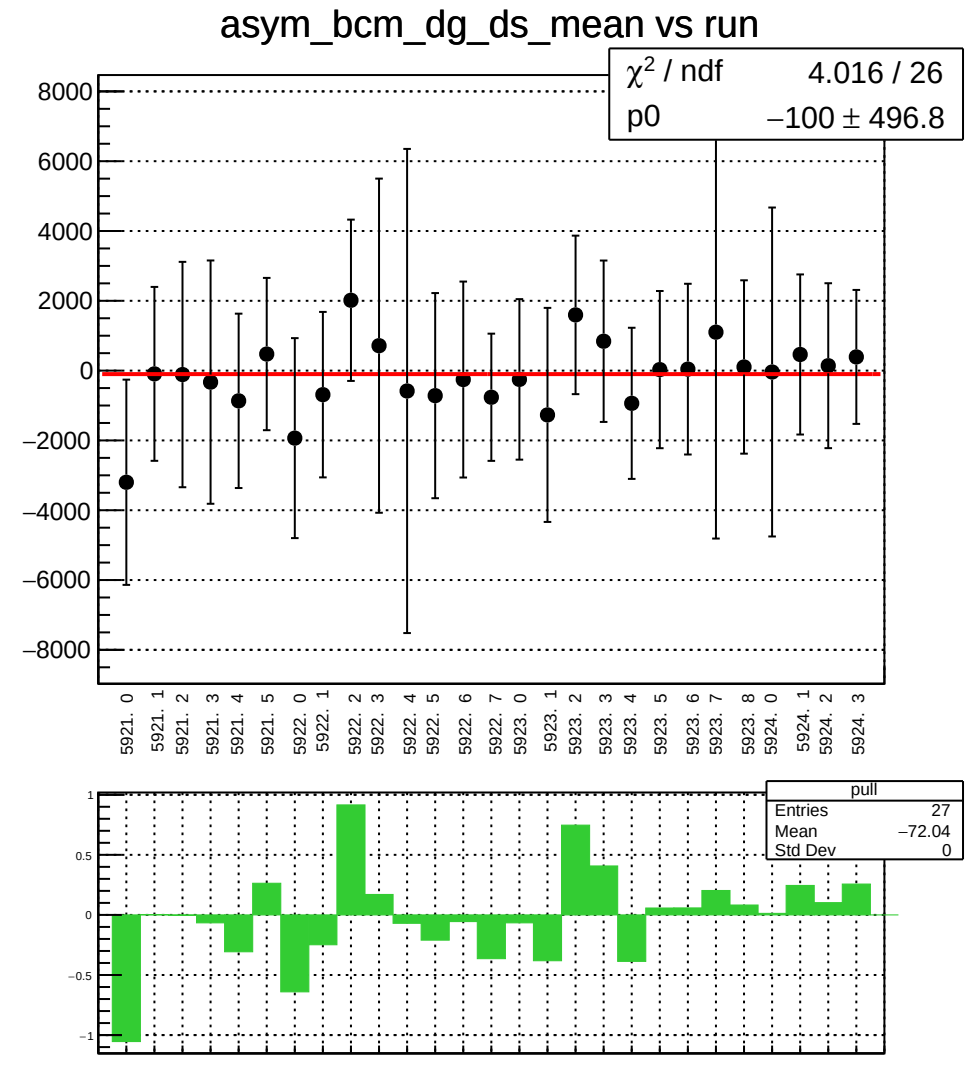

pull1D
Entries 27
Mean −0.01389
Std Dev 0.3592
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

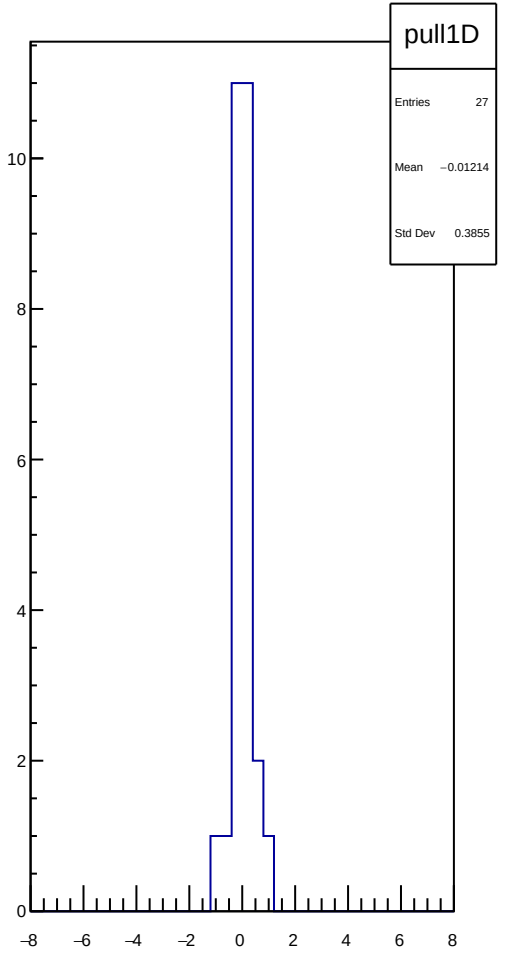

asym_bcm_an_us_rms vs run
χ^2 / ndf 2.732e+04 / 26
p0 234.7 ± 0.3354
600
500
400
300
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

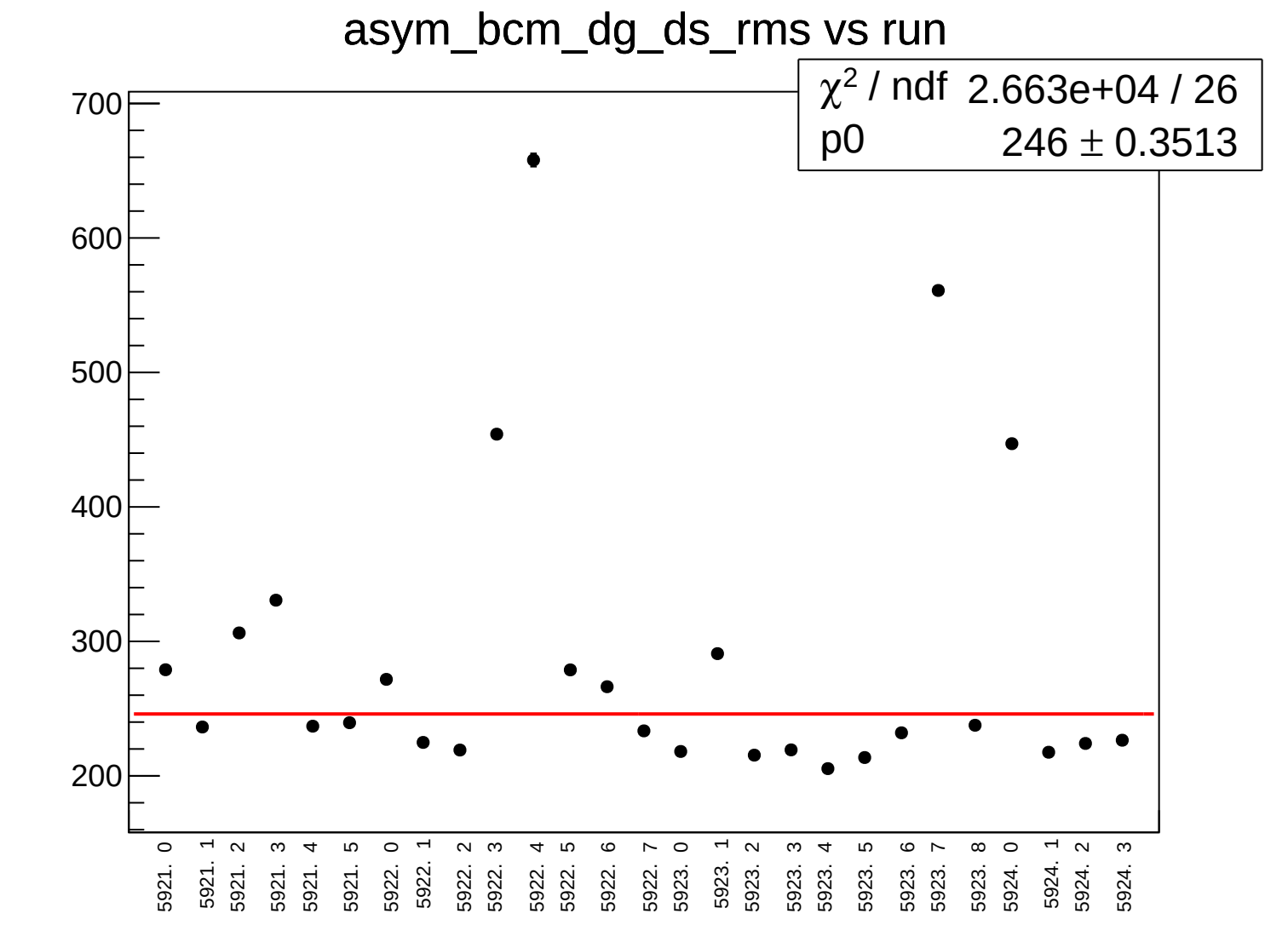

asym_bcm_dg_us_mean vs run
χ² / ndf 3.985 / 26
p0 −311.6 ± 498.2
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −76.09
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

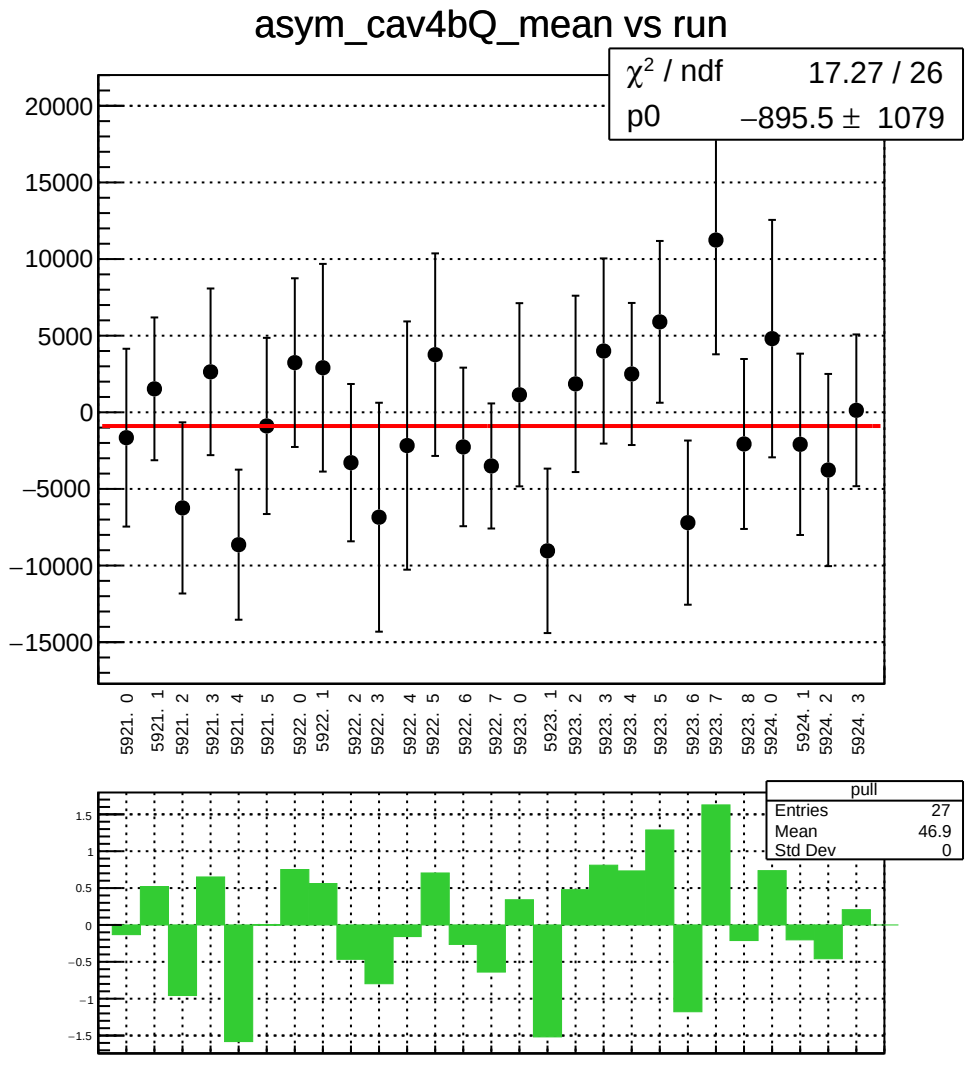

pull1D
Entries 27
Mean −0.01516
Std Dev 0.3839
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

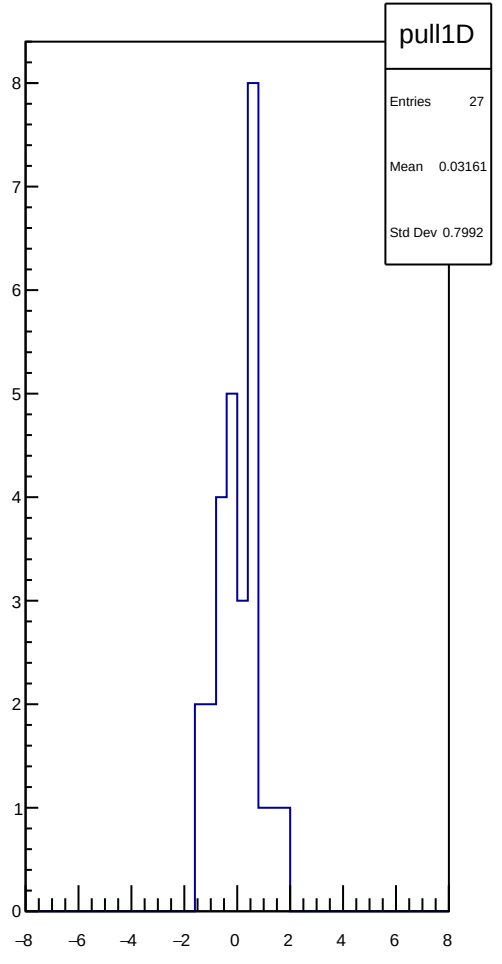

asym_bcm_dg_us_rms vs run
χ² / ndf 2.647e+04 / 26
p0 246.7 ± 0.3523
700
600
500
400
300
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

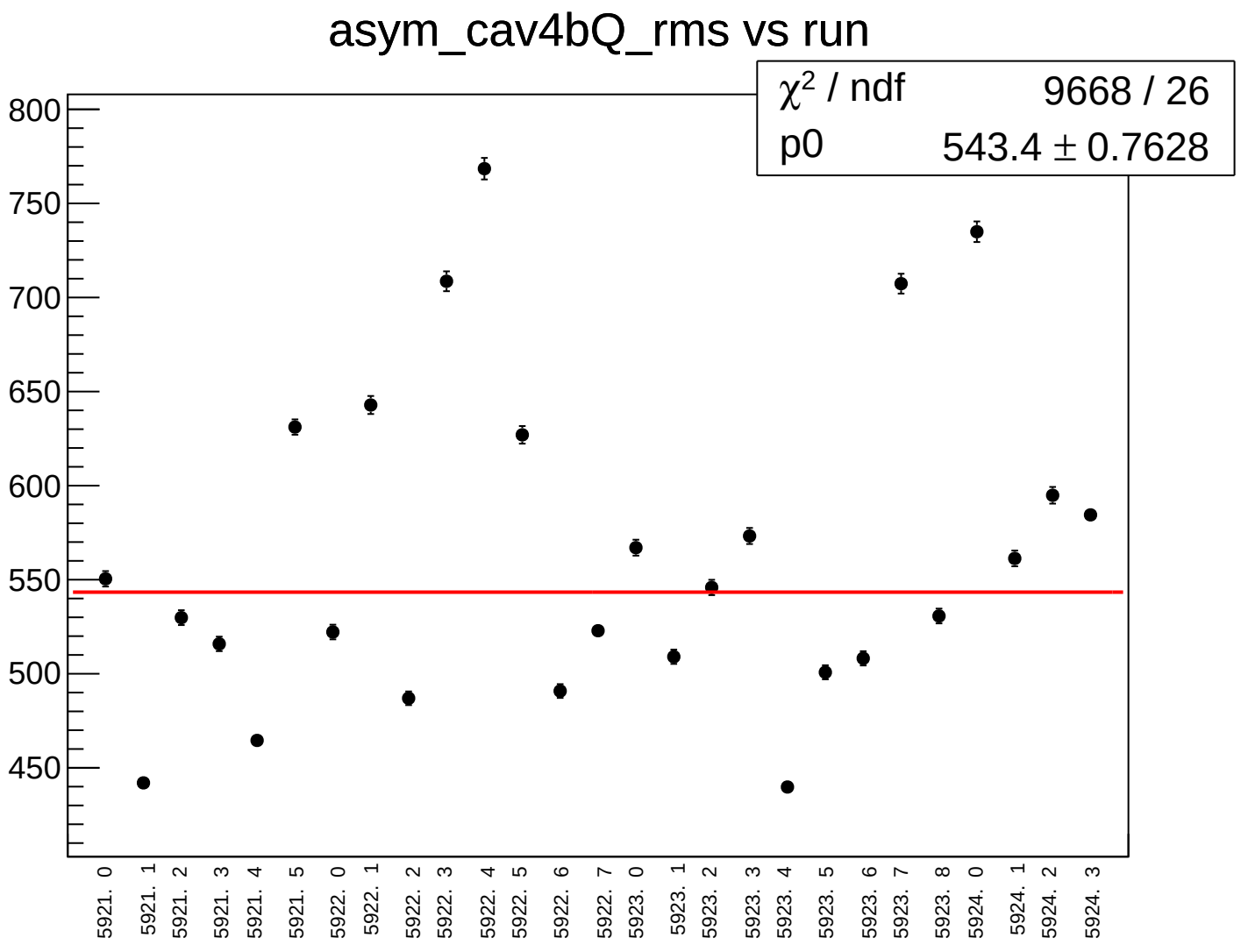

asym_bcm_dg_ds_mean vs run
χ² / ndf 4.016 / 26
p0 −100 ± 496.8
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −72.04
Std Dev 0
1
0.5
0
−0.5
−1

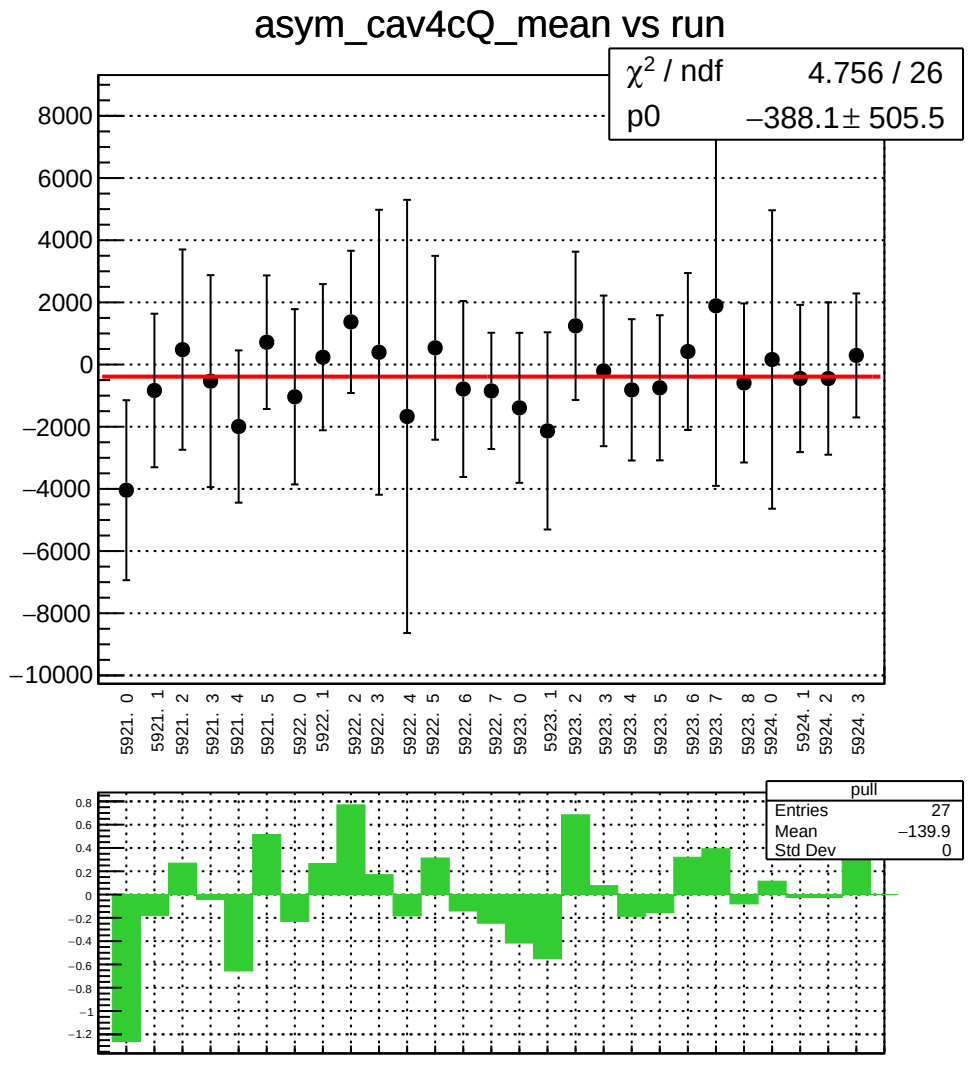

pull1D
Entries 27
Mean −0.01214
Std Dev 0.3855
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

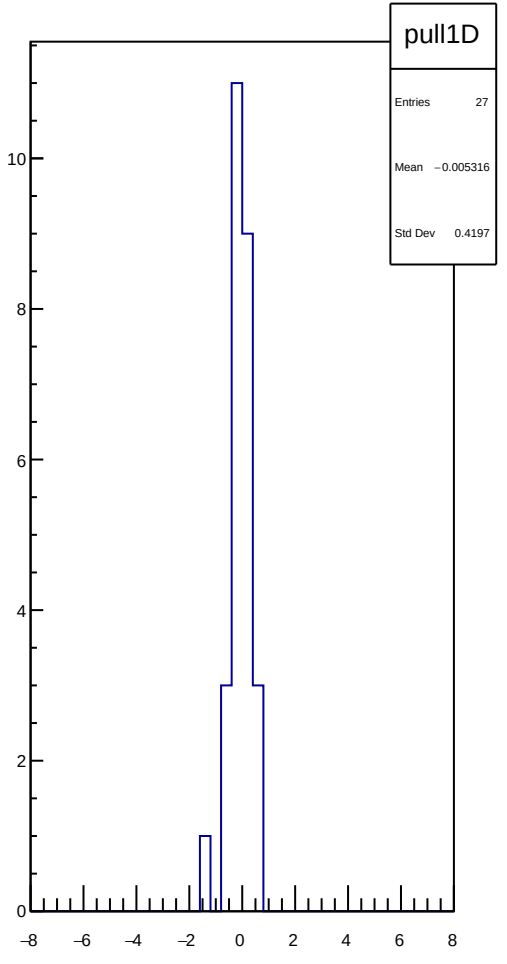

asym_bcm_dg_ds_rms vs run
χ² / ndf 2.663e+04 / 26
p0 246 ± 0.3513
700
600
500
400
300
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

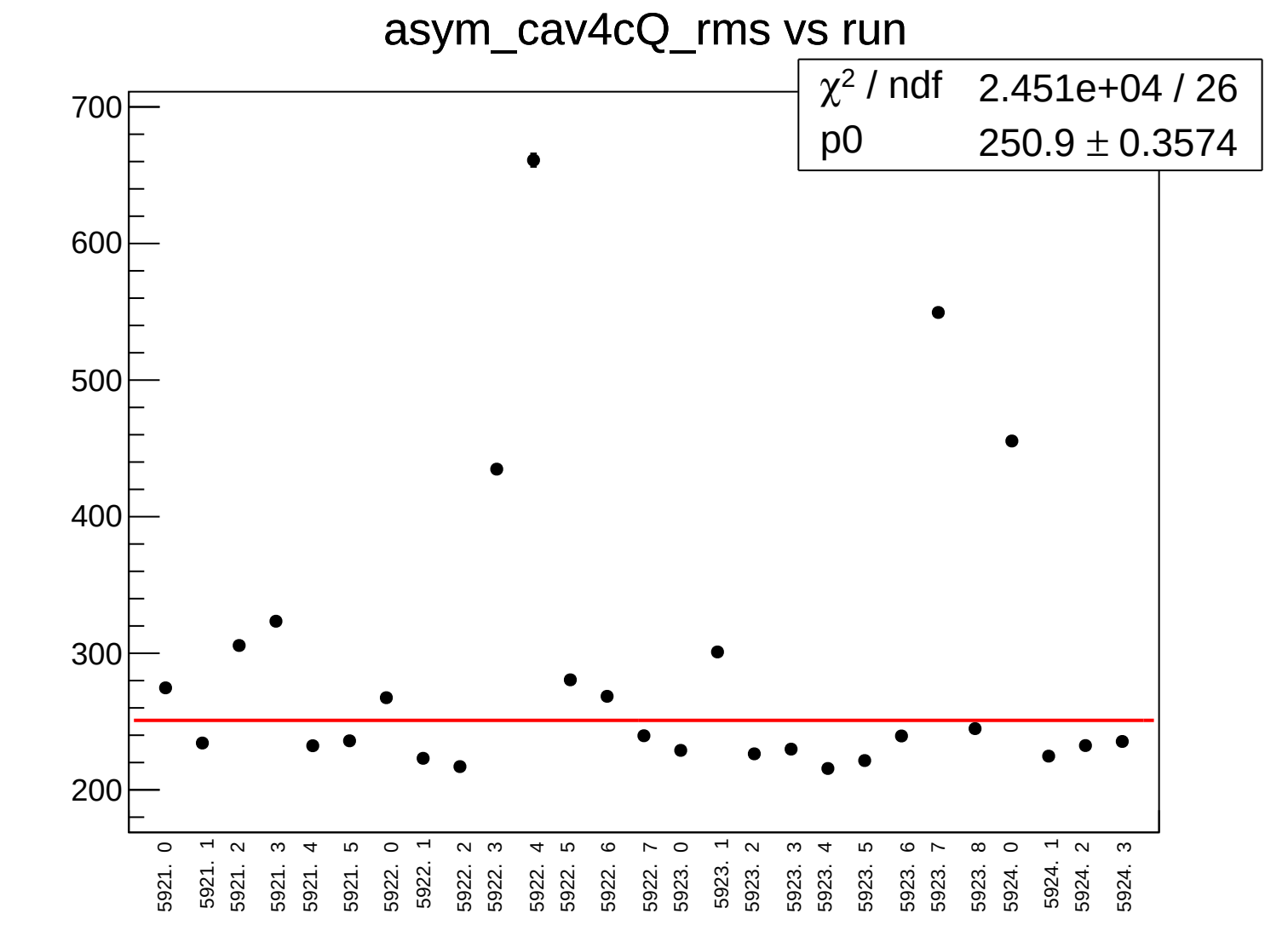

asym_cav4bQ_mean vs run
χ² / ndf 17.27 / 26
p0 −895.5 ± 1079
20000
15000
10000
5000
0
−5000
−10000
−15000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 46.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

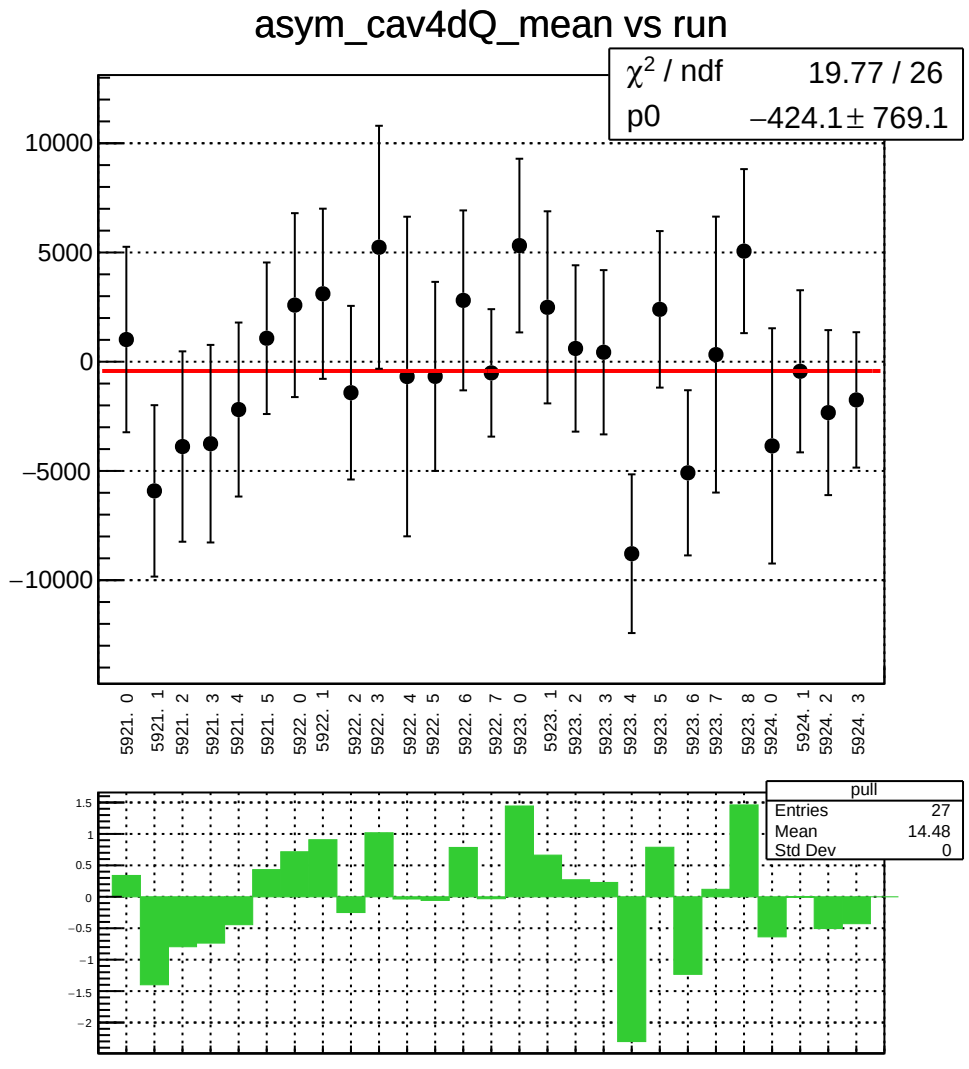

pull1D
Entries 27
Mean 0.03161
Std Dev 0.7992
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

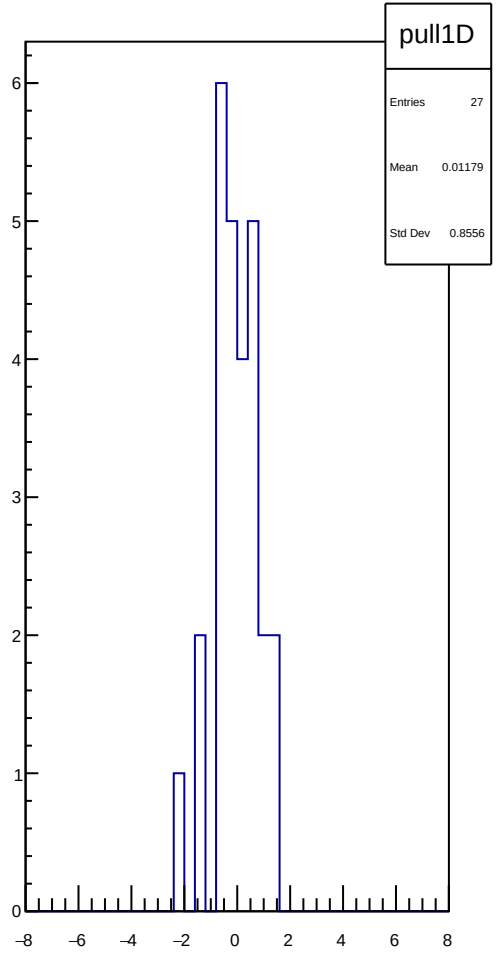

asym_cav4bQ_rms vs run
χ^2 / ndf 9668 / 26
p0 543.4 ± 0.7628
800
750
700
650
600
550
500
450
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

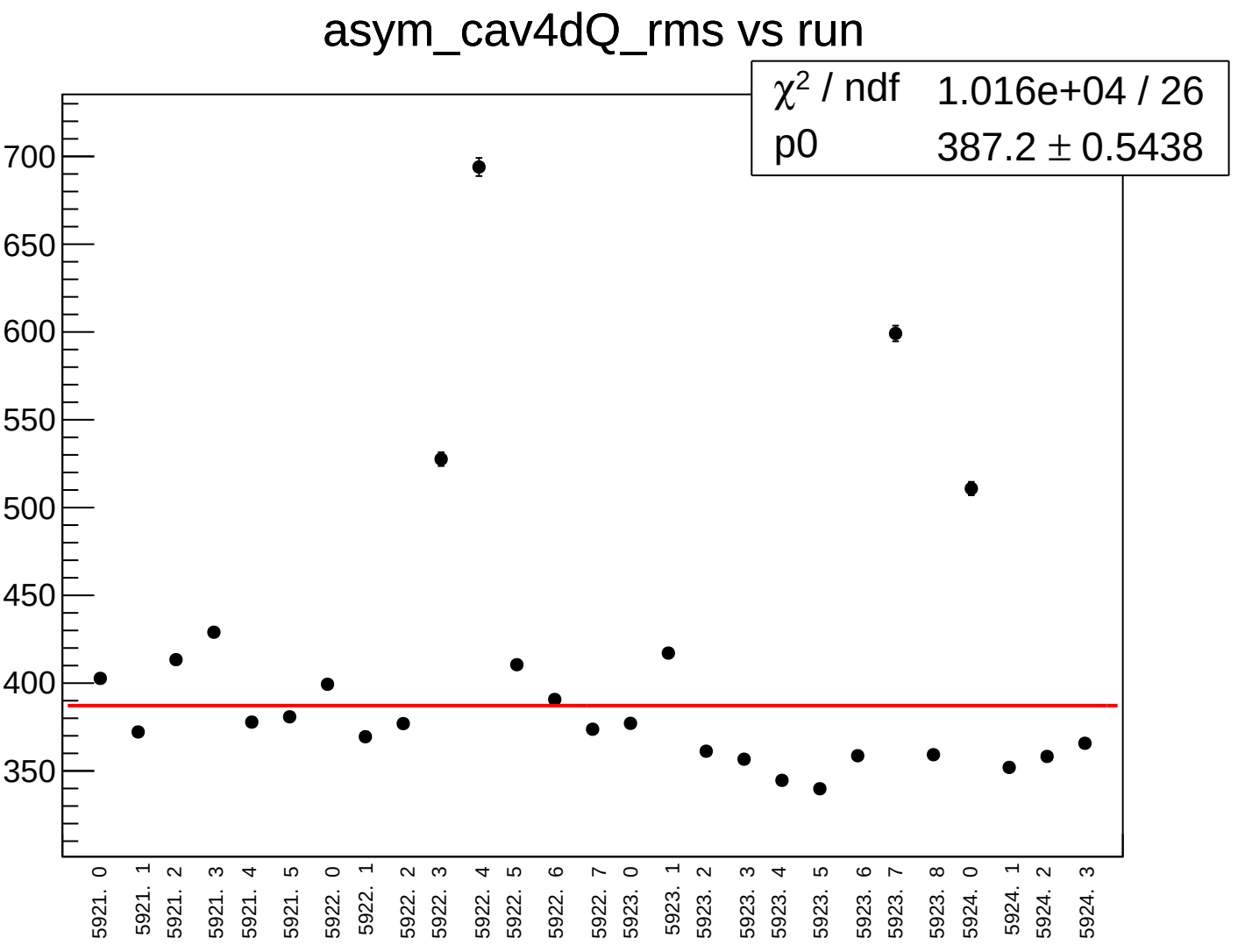

asym_cav4cQ_mean vs run
χ² / ndf 4.756 / 26
p0 −388.1 ± 505.5
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −139.9
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

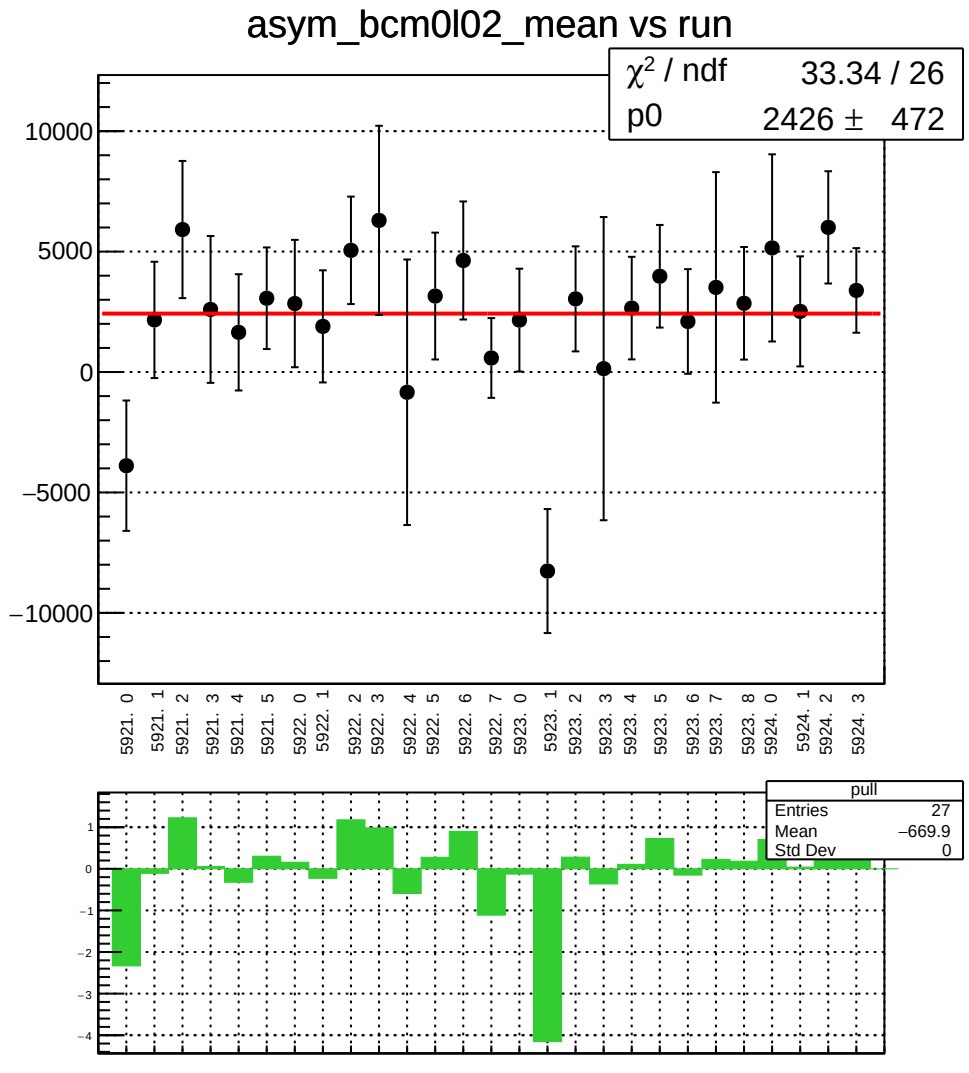

pull1D
Entries 27
Mean −0.005316
Std Dev 0.4197
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

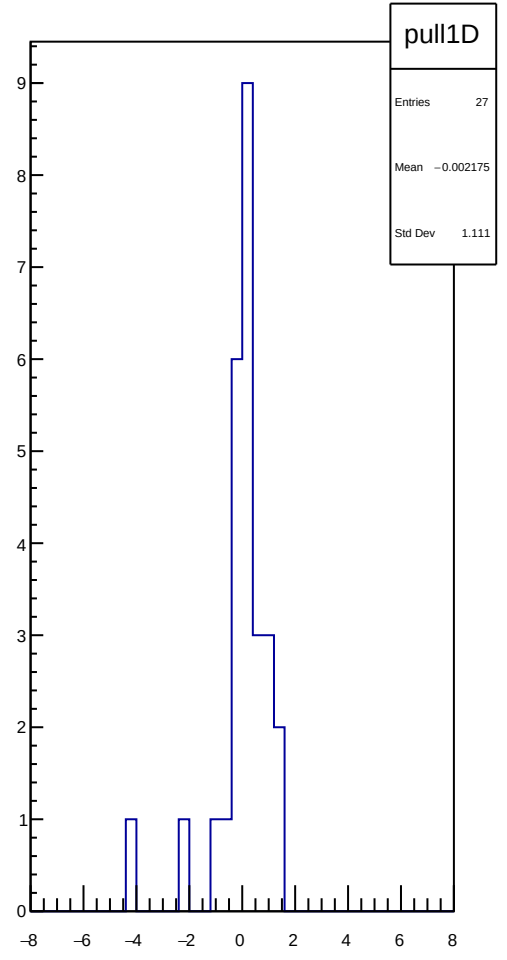

asym_cav4cQ_rms vs run
χ² / ndf 2.451e+04 / 26
p0 250.9 ± 0.3574
700
600
500
400
300
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

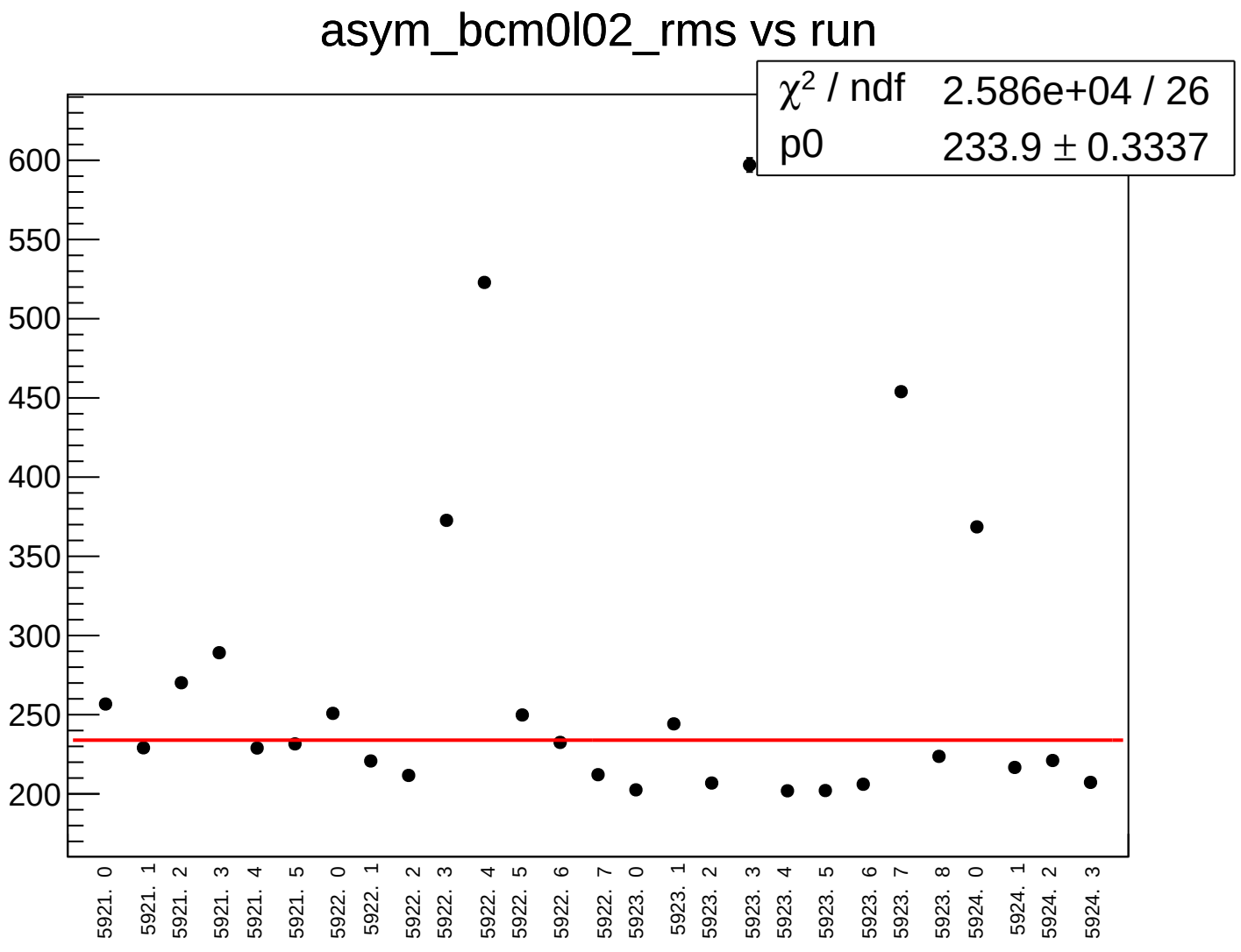

asym_cav4dQ_mean vs run
χ² / ndf 19.77 / 26
p0 −424.1 ± 769.1
10000
5000
0
−5000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 14.48
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

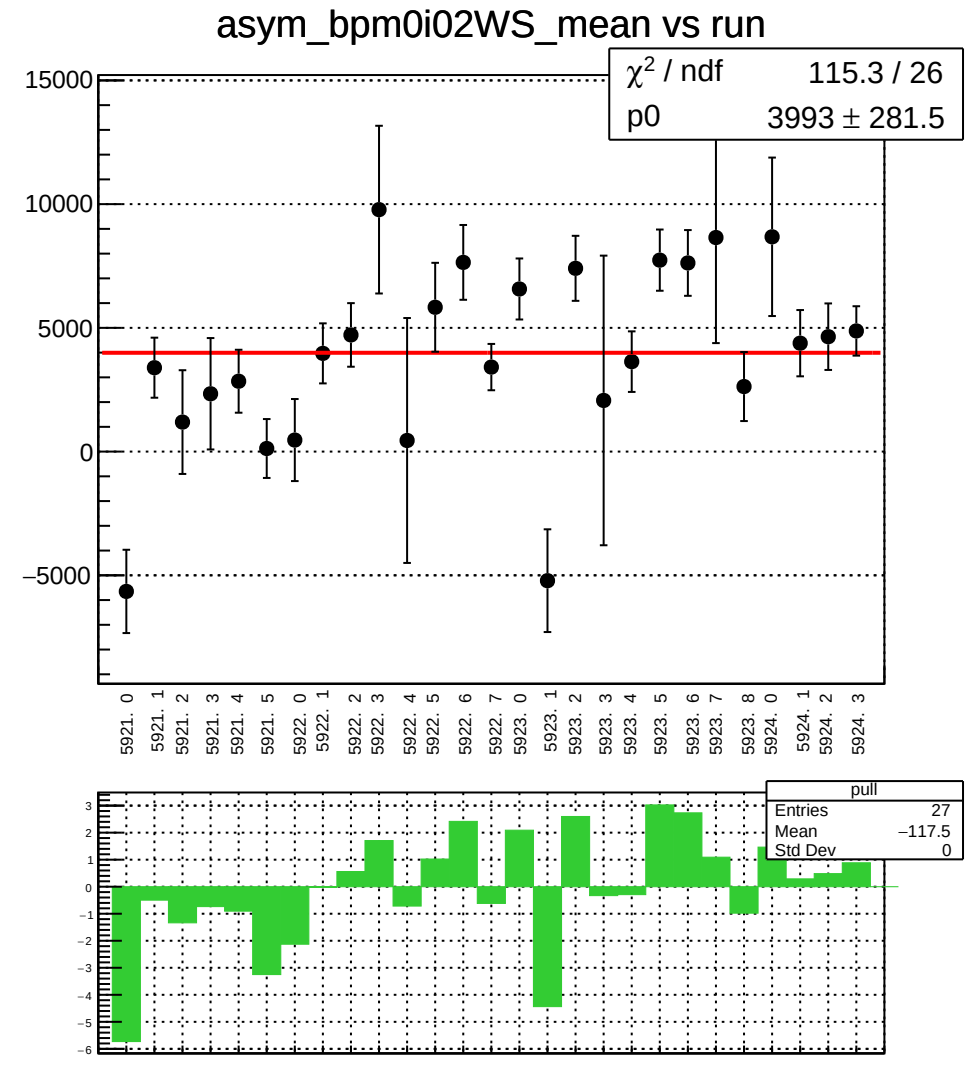

pull1D
Entries 27
Mean 0.01179
Std Dev 0.8556
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

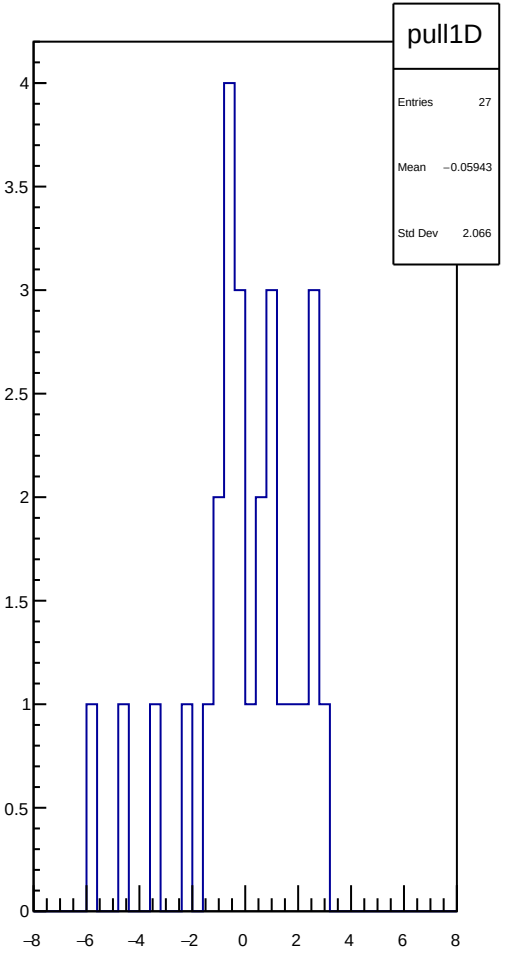

asym_cav4dQ_rms vs run
χ² / ndf 1.016e+04 / 26
p0 387.2 ± 0.5438
700
650
600
550
500
450
400
350
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

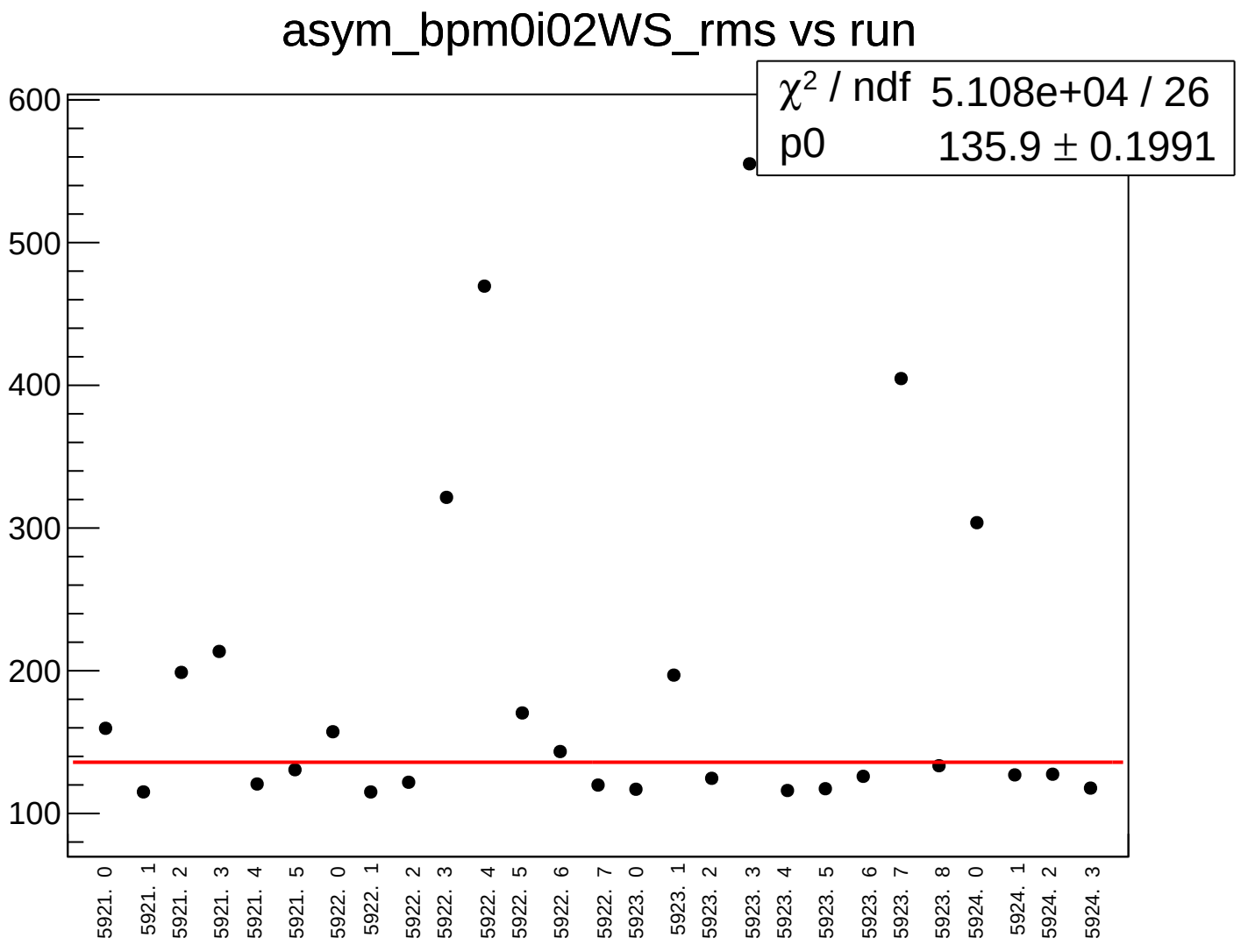

asym_bcm0l02_mean vs run
χ² / ndf 33.34 / 26
p0 2426 ± 472
10000
5000
0
−5000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −669.9
Std Dev 0
1
0
−1
−2
−3
−4

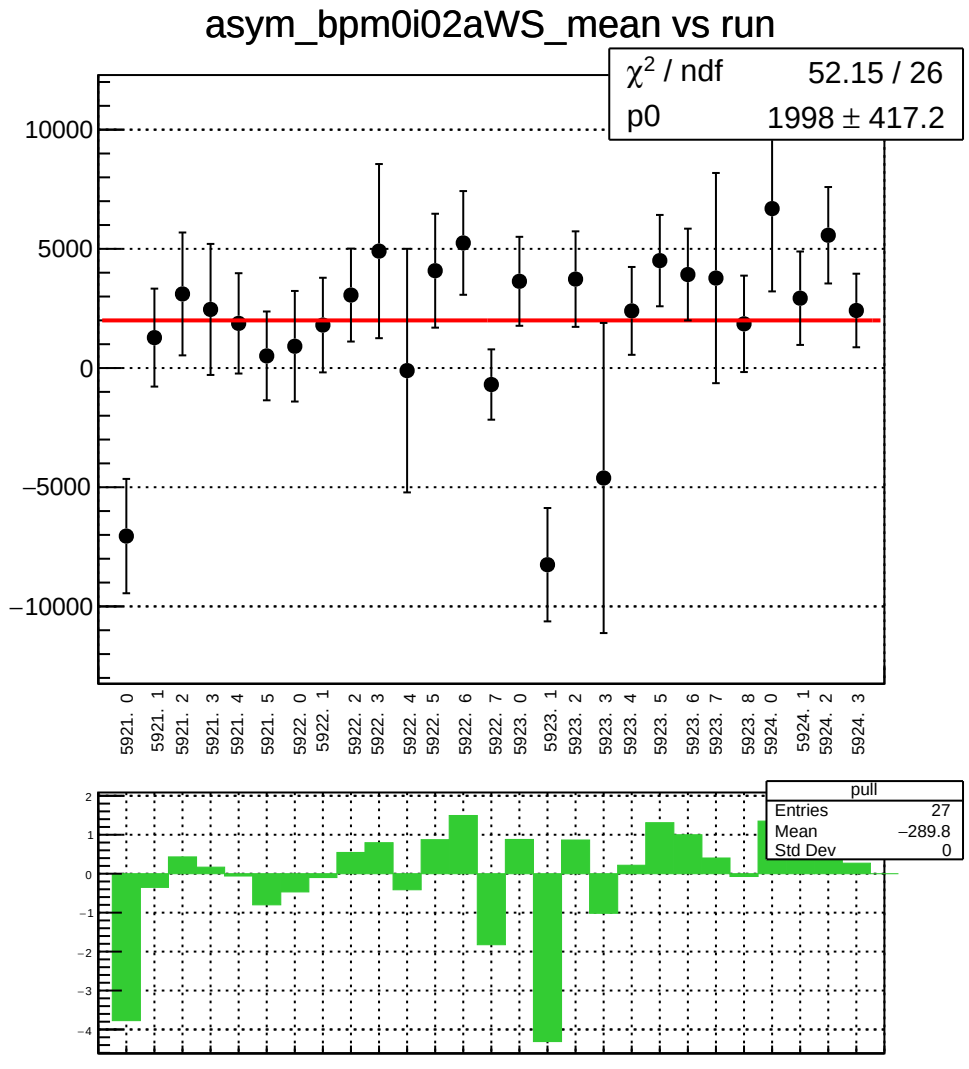

pull1D
Entries 27
Mean −0.002175
Std Dev 1.111
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

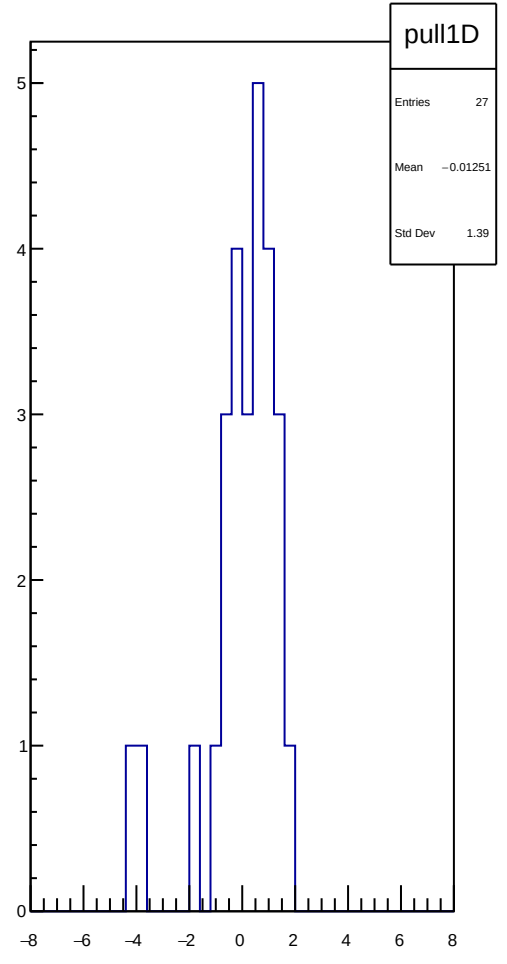

asym_bcm0l02_rms vs run
χ² / ndf 2.586e+04 / 26
p0 233.9 ± 0.3337
600
550
500
450
400
350
300
250
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

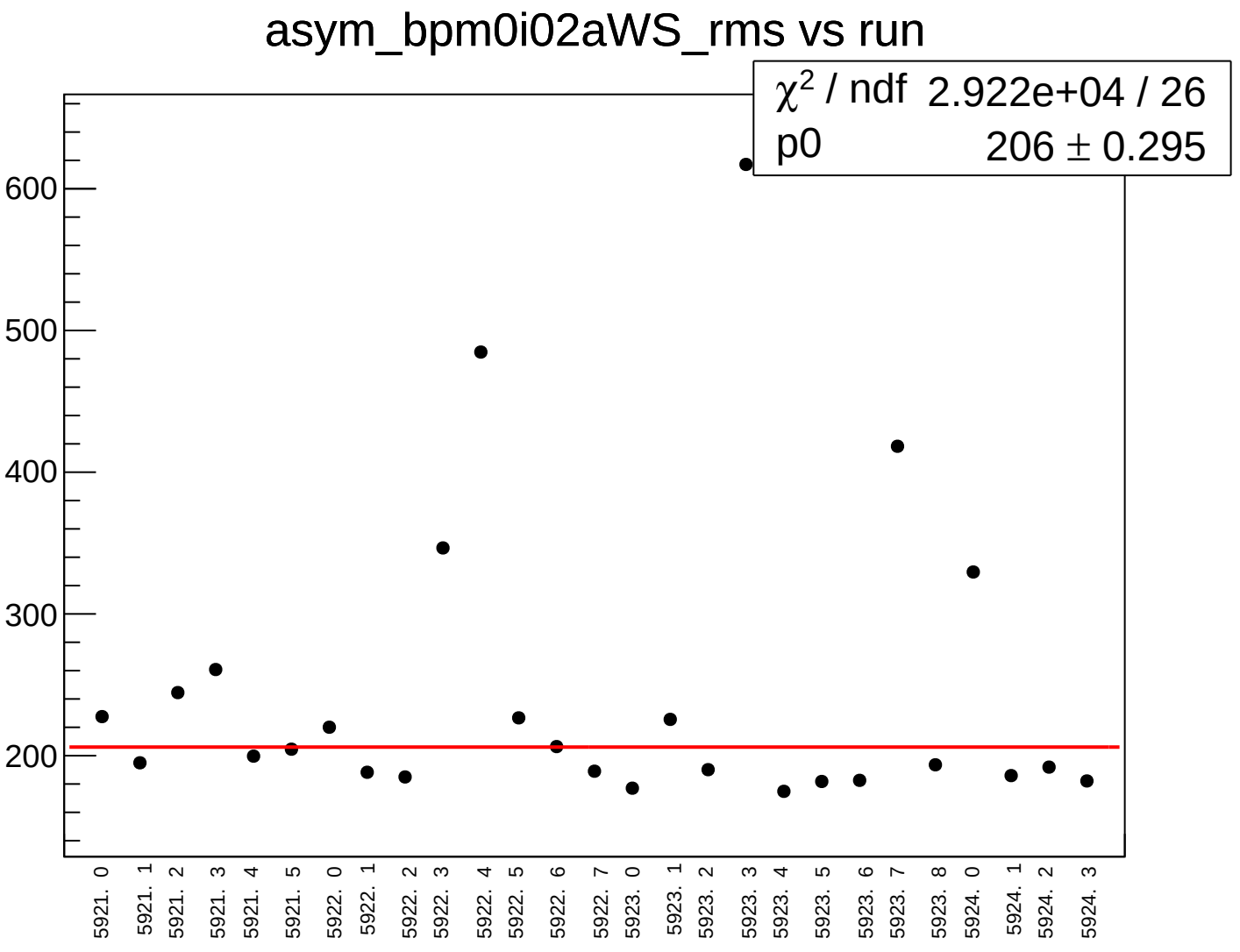

asym_bpm0i02WS_mean vs run
χ² / ndf 115.3 / 26
p0 3993 ± 281.5
15000
10000
5000
0
−5000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −117.5
Std Dev 0
3
2
1
0
−1
−2
−3
−4
−5
−6

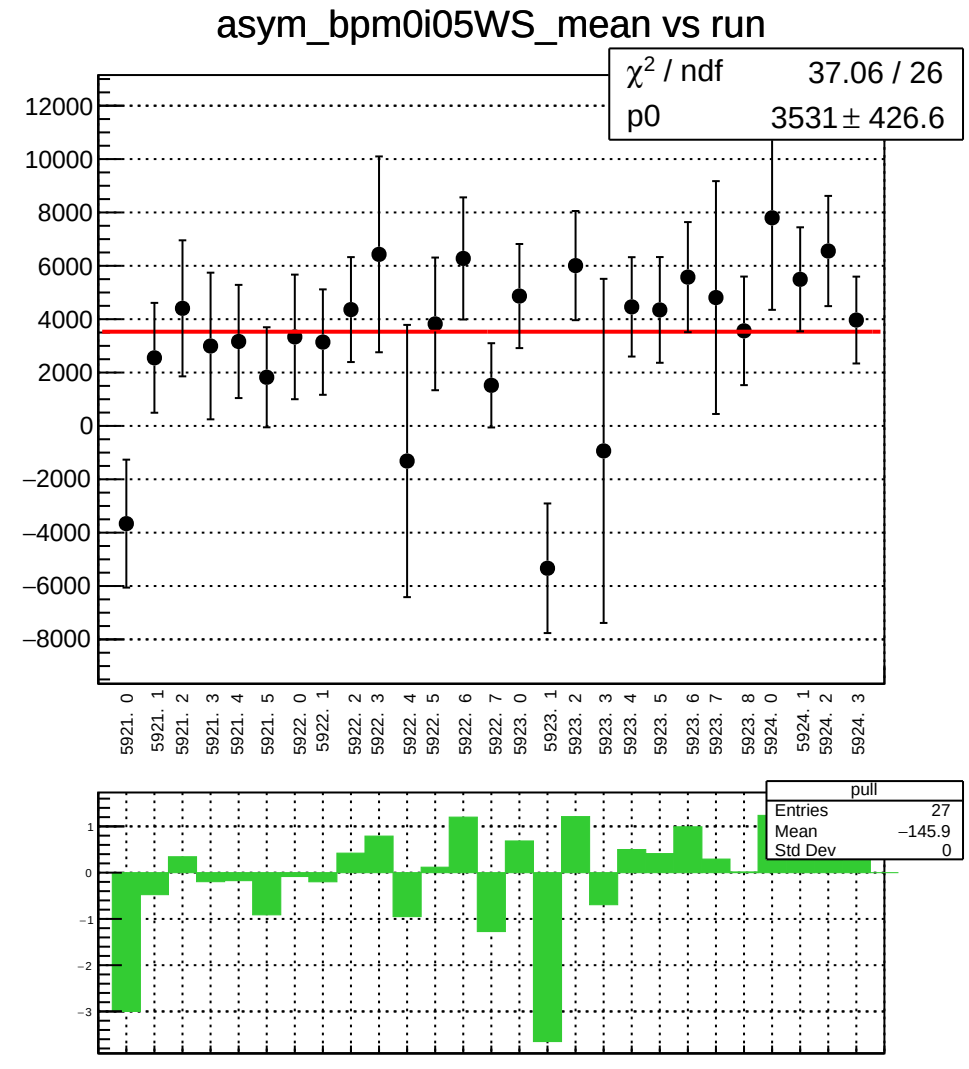

pull1D
Entries 27
Mean −0.05943
Std Dev 2.066
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

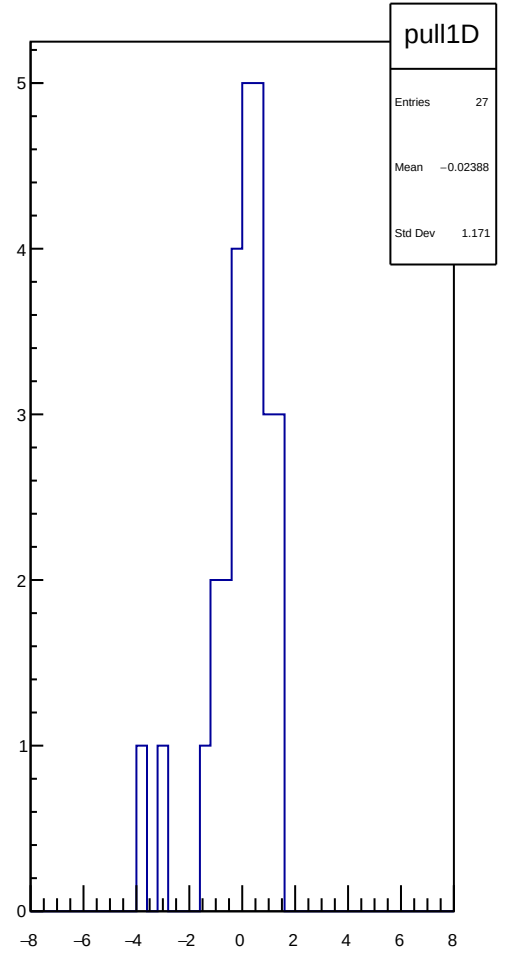

asym_bpm0i02WS_rms vs run
χ² / ndf 5.108e+04 / 26
p0 135.9 ± 0.1991
600
500
400
300
200
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

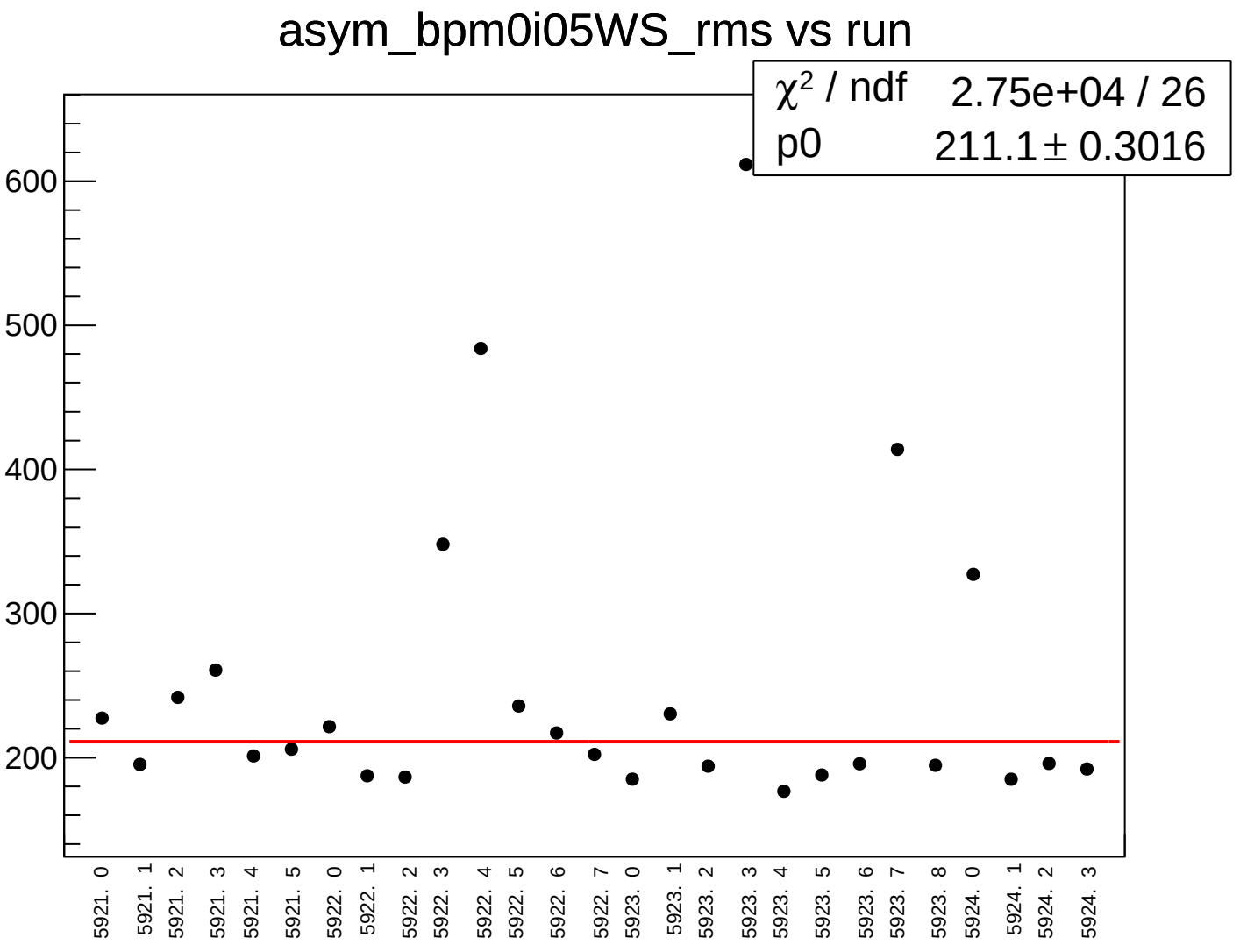

asym_bpm0i02aWS_mean vs run
χ² / ndf 52.15 / 26
p0 1998 ± 417.2
10000
5000
0
−5000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −289.8
Std Dev 0
2
1
0
−1
−2
−3
−4

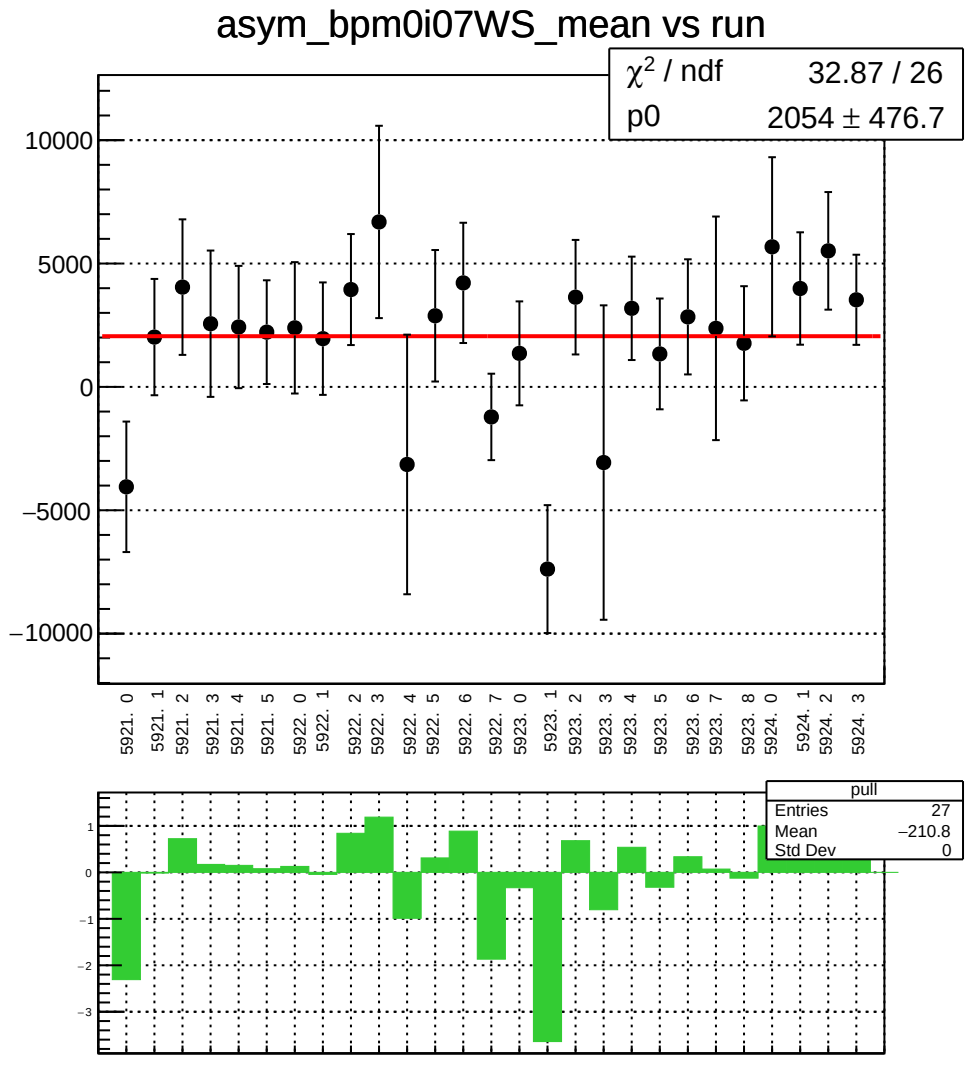

pull1D
Entries 27
Mean −0.01251
Std Dev 1.39
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

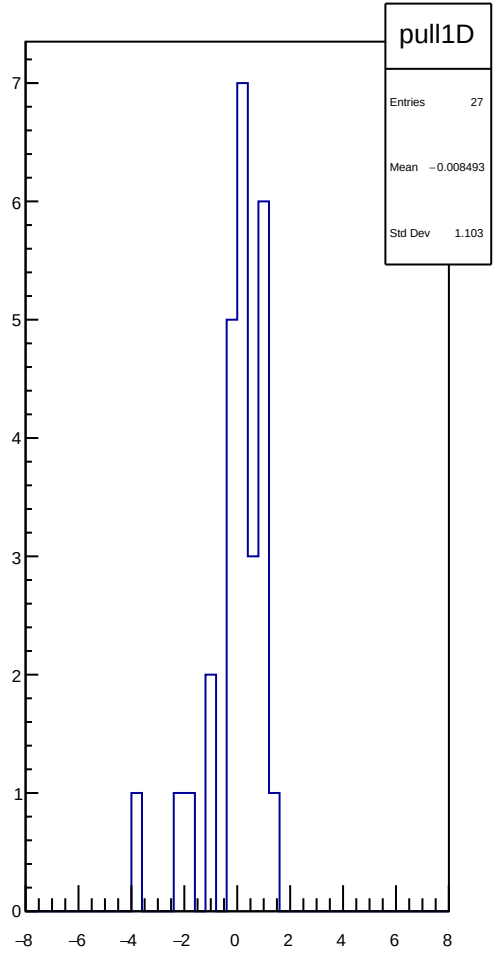

asym_bpm0i02aWS_rms vs run
χ² / ndf 2.922e+04 / 26
p0 206 ± 0.295
600
500
400
300
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

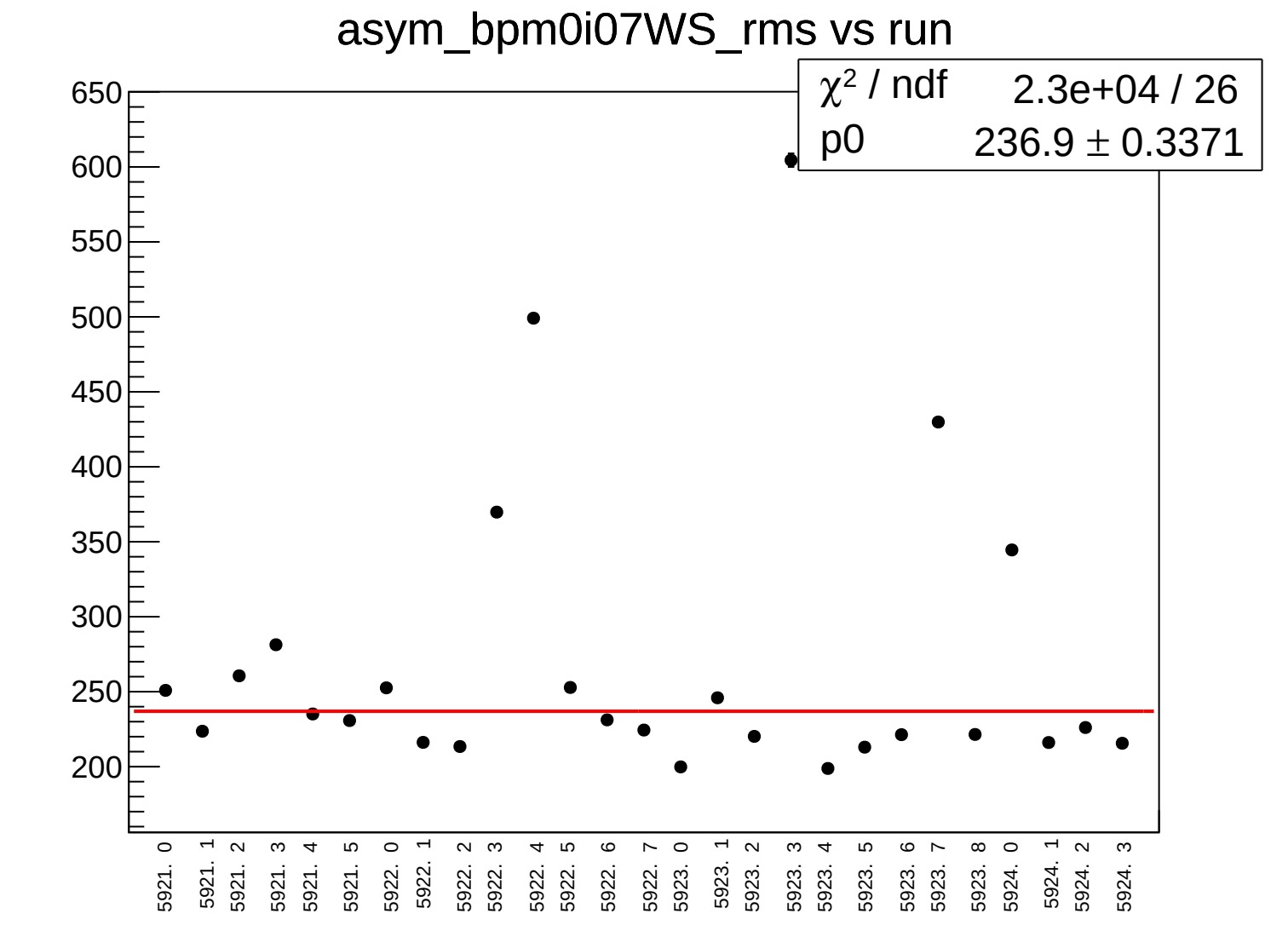

asym_bpm0i05WS_mean vs run
χ² / ndf 37.06 / 26
p0 3531 ± 426.6
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −145.9
Std Dev 0
1
0
−1
−2
−3

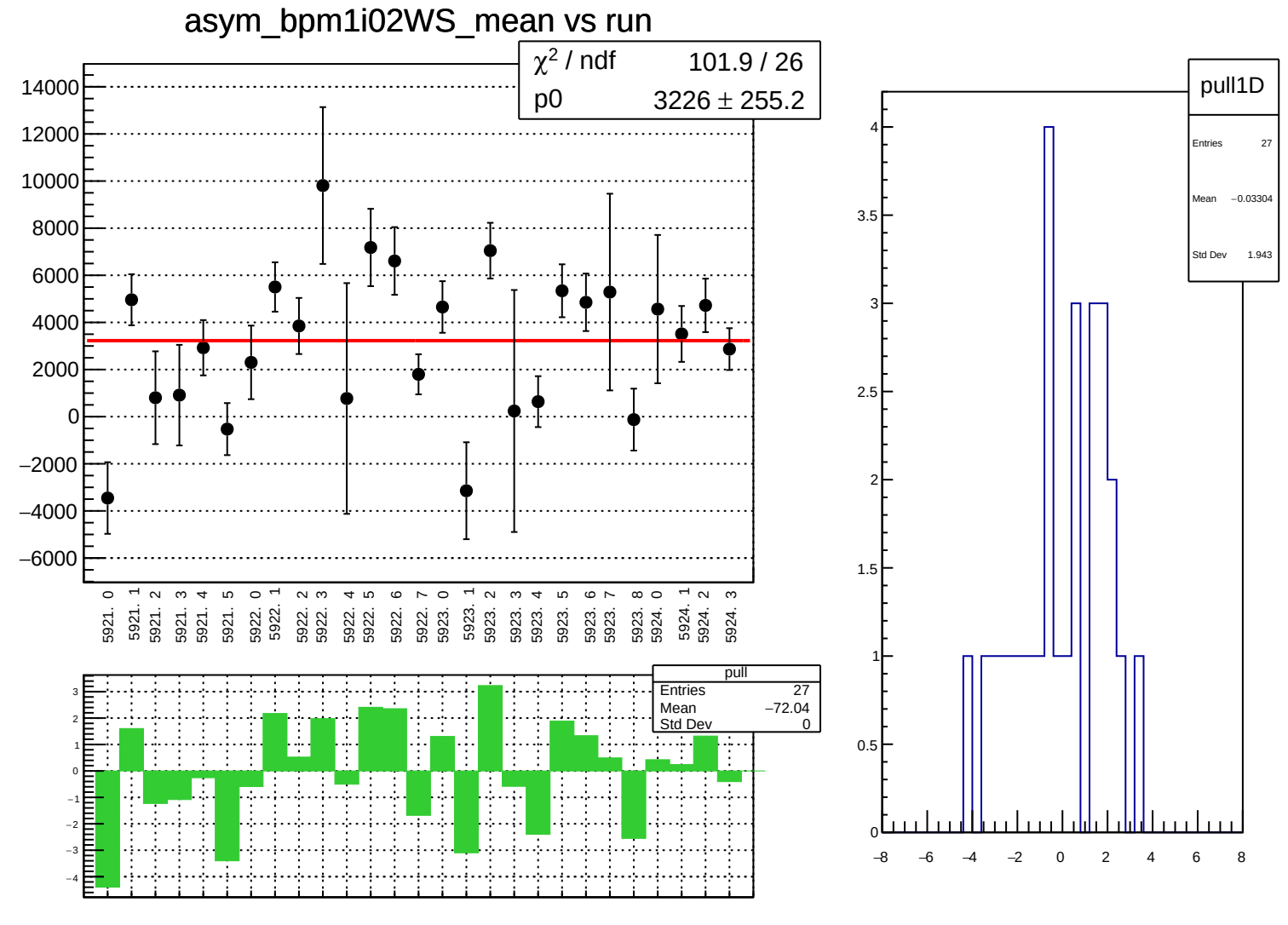

pull1D
Entries 27
Mean −0.02388
Std Dev 1.171
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

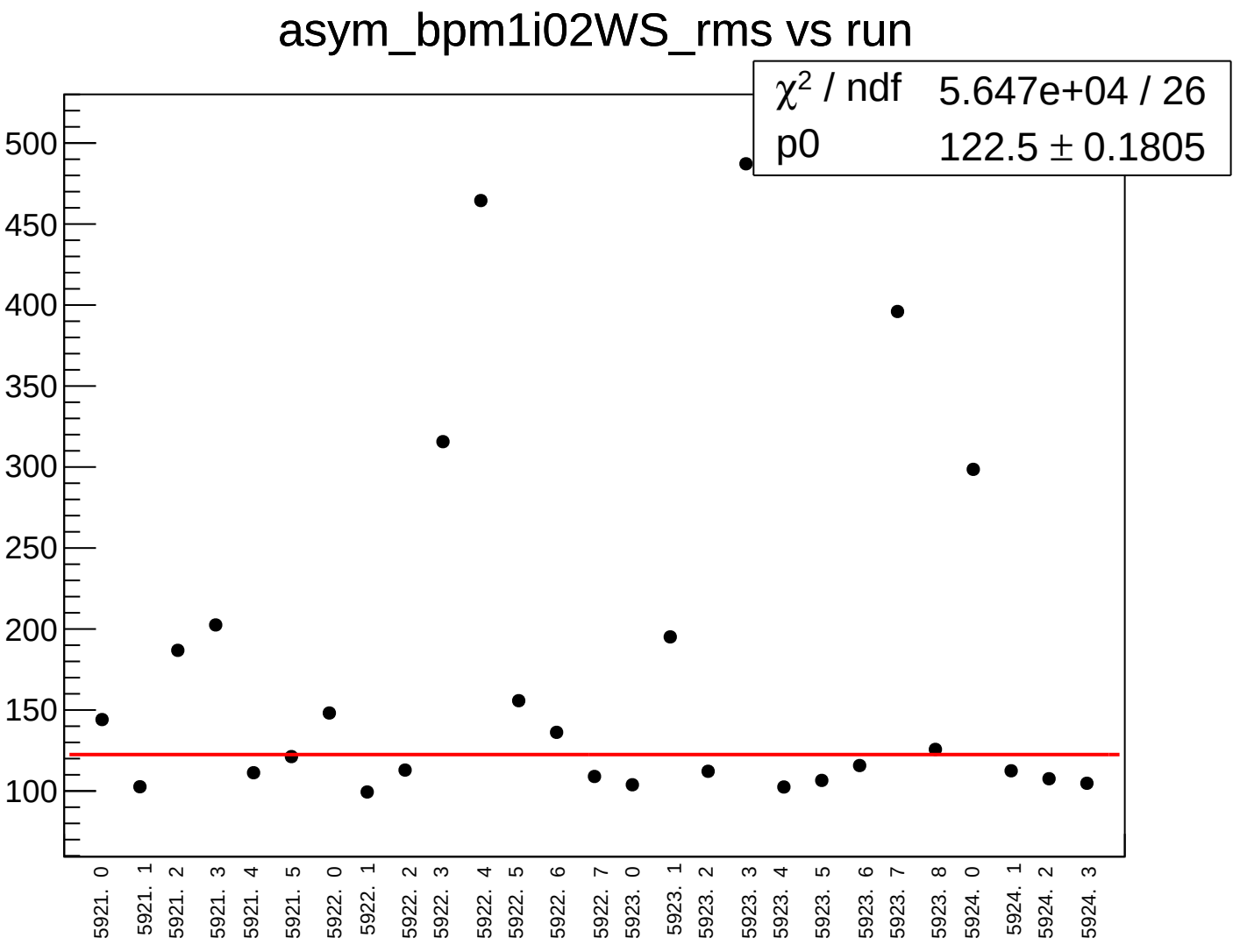

asym_bpm0i05WS_rms vs run
χ² / ndf 2.75e+04 / 26
p0 211.1 ± 0.3016
600
500
400
300
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

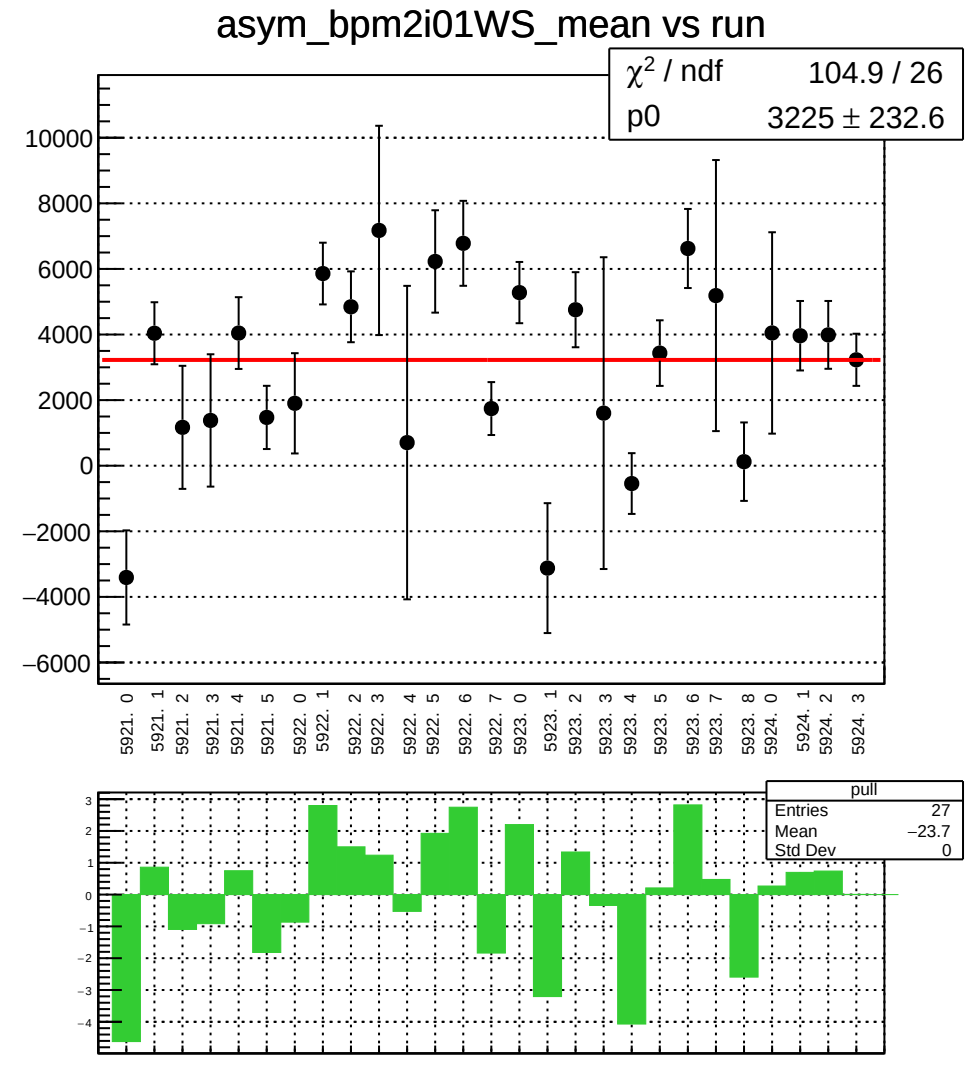

asym_bpm0i07WS_mean vs run
χ² / ndf 32.87 / 26
p0 2054 ± 476.7
10000
5000
0
−5000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −210.8
Std Dev 0
1
0
−1
−2
−3

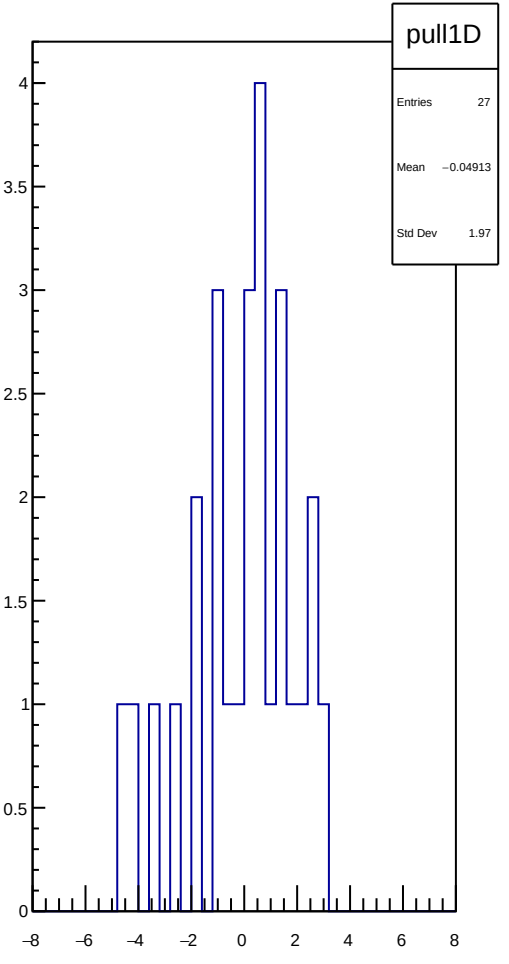

pull1D
Entries 27
Mean −0.008493
Std Dev 1.103
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

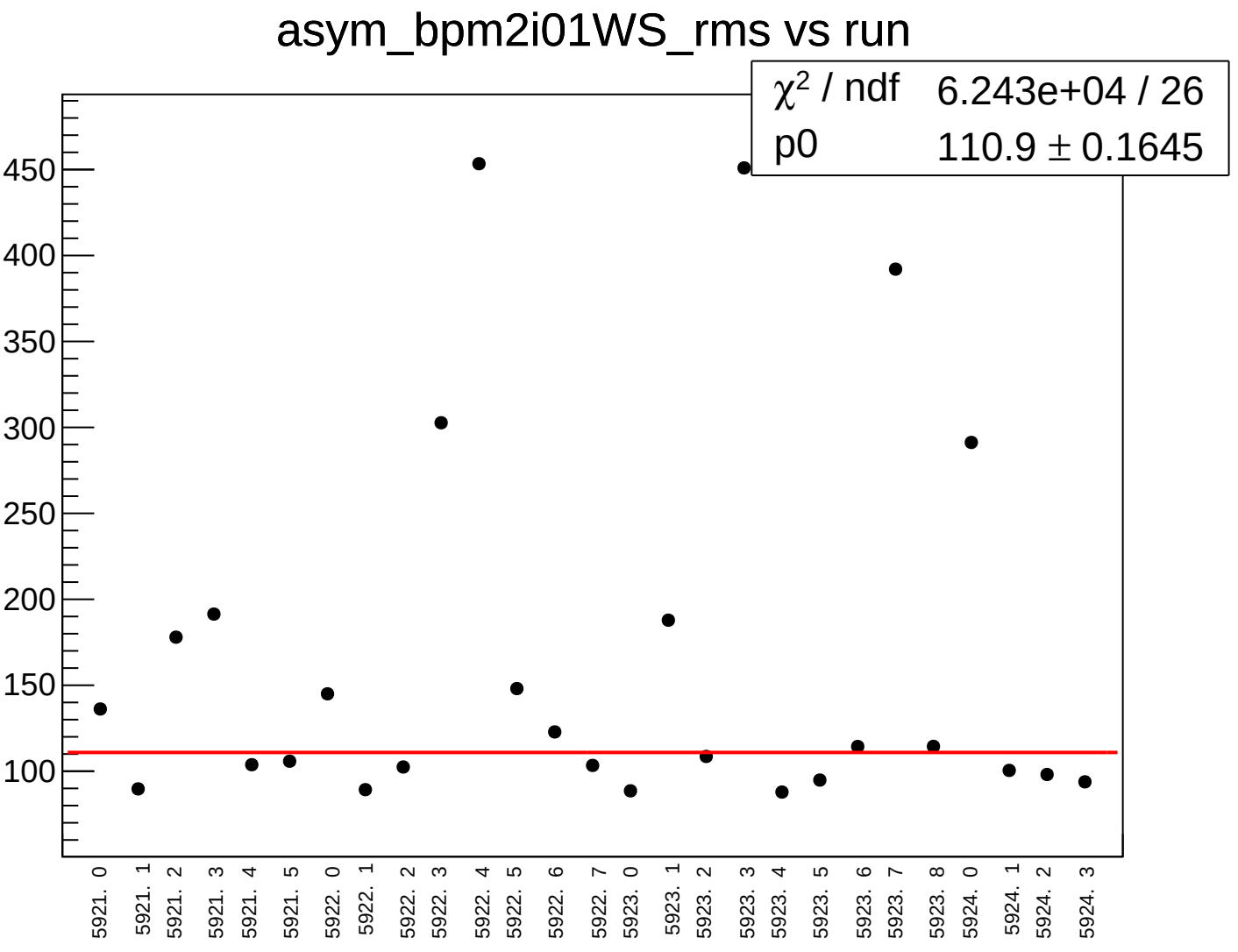

asym_bpm0i07WS_rms vs run
χ² / ndf 2.3e+04 / 26
p0 236.9 ± 0.3371
650
600
550
500
450
400
350
300
250
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

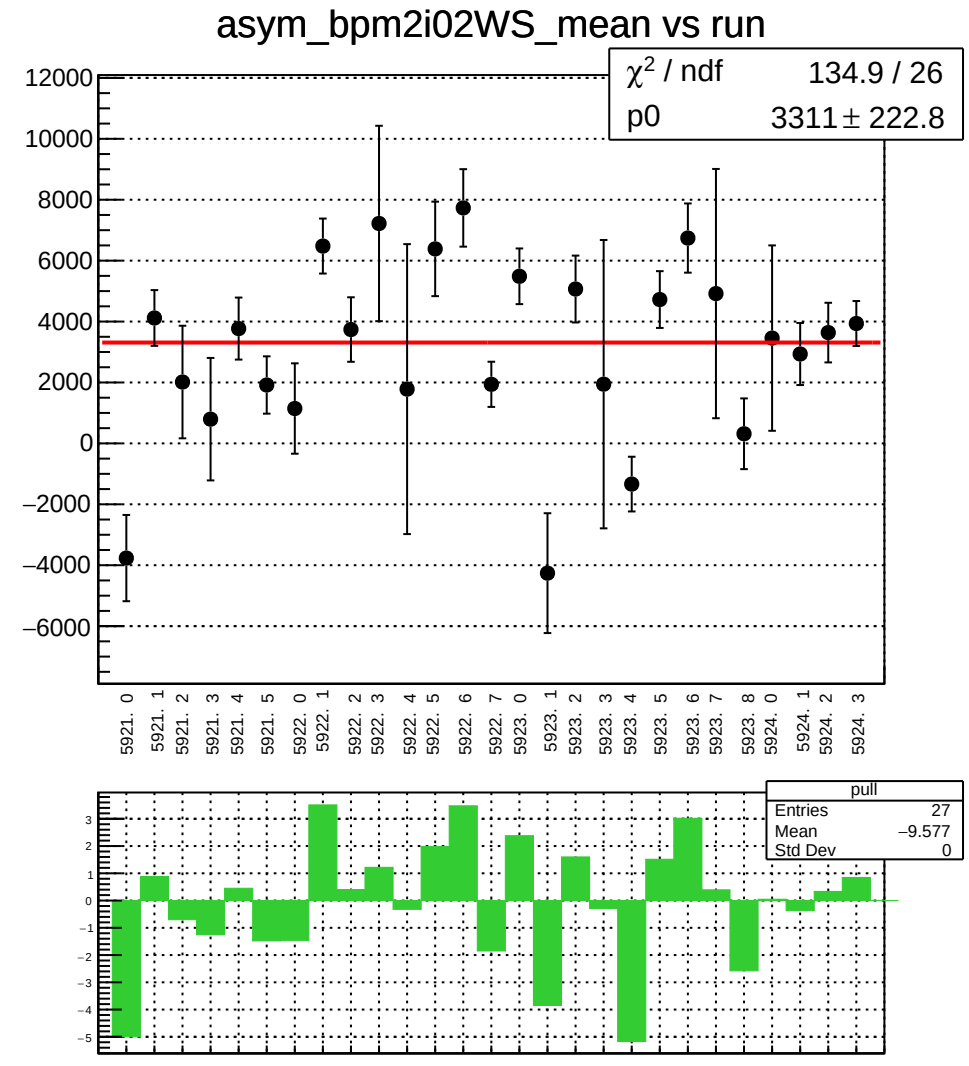

asym_bpm1i02WS_mean vs run
χ² / ndf 101.9 / 26
p0 3226 ± 255.2
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −72.04
Std Dev 0
3
2
1
0
−1
−2
−3
−4
pull1D
Entries 27
Mean −0.03304
Std Dev 1.943
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

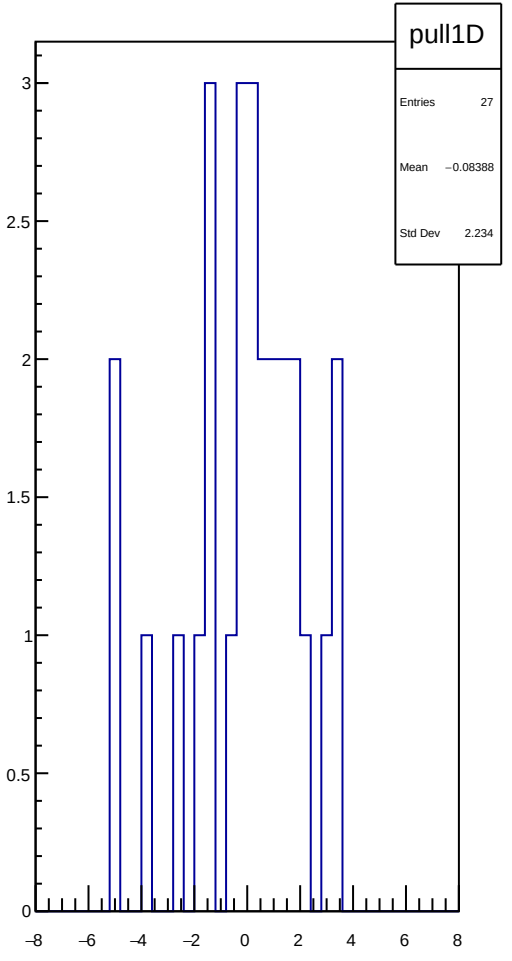

asym_bpm1i02WS_rms vs run
χ² / ndf 5.647e+04 / 26
p0 122.5 ± 0.1805
500
450
400
350
300
250
200
150
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

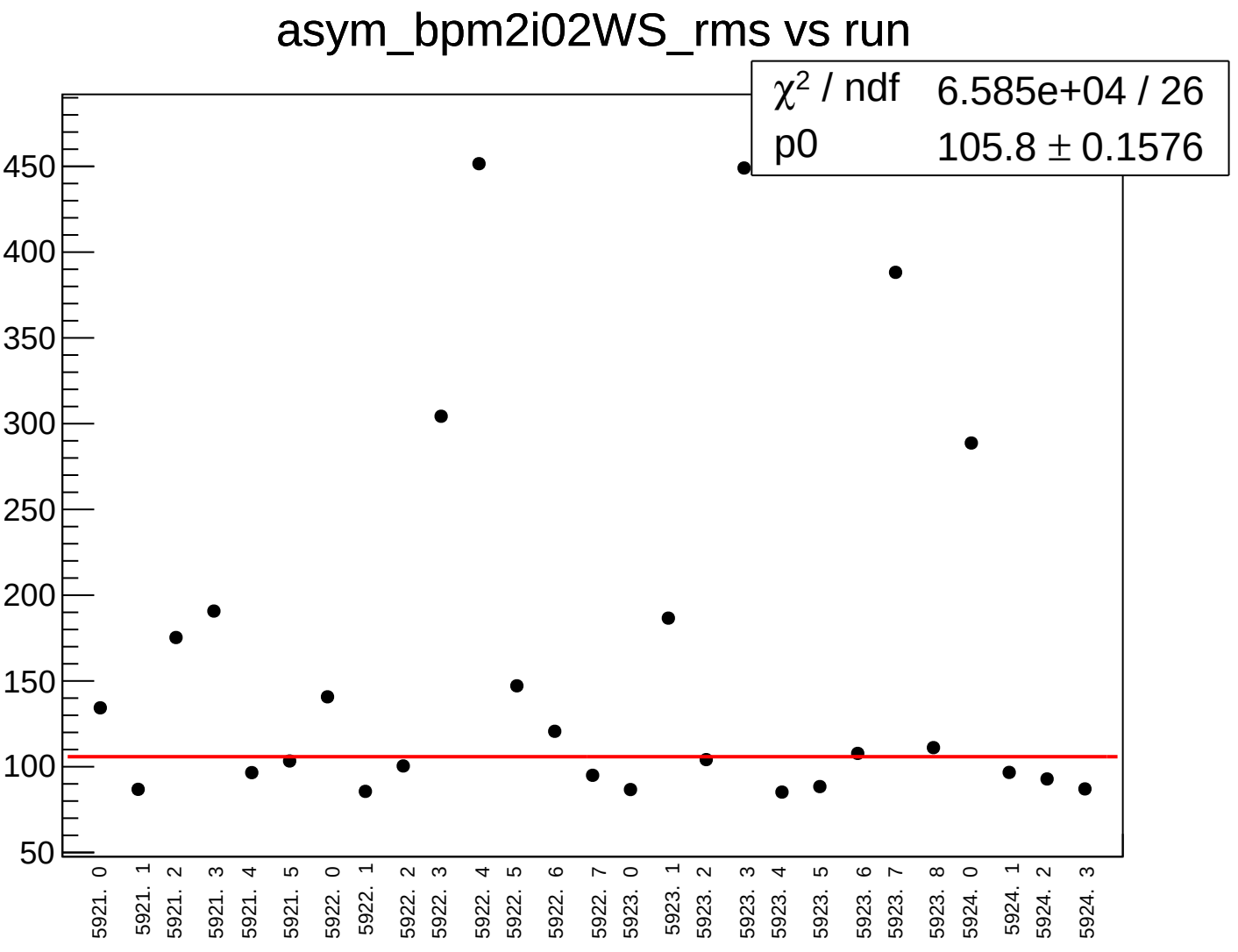

asym_bpm2i01WS_mean vs run
χ^2 / ndf 104.9 / 26
p0 3225 ± 232.6
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −23.7
Std Dev 0
3
2
1
0
−1
−2
−3
−4

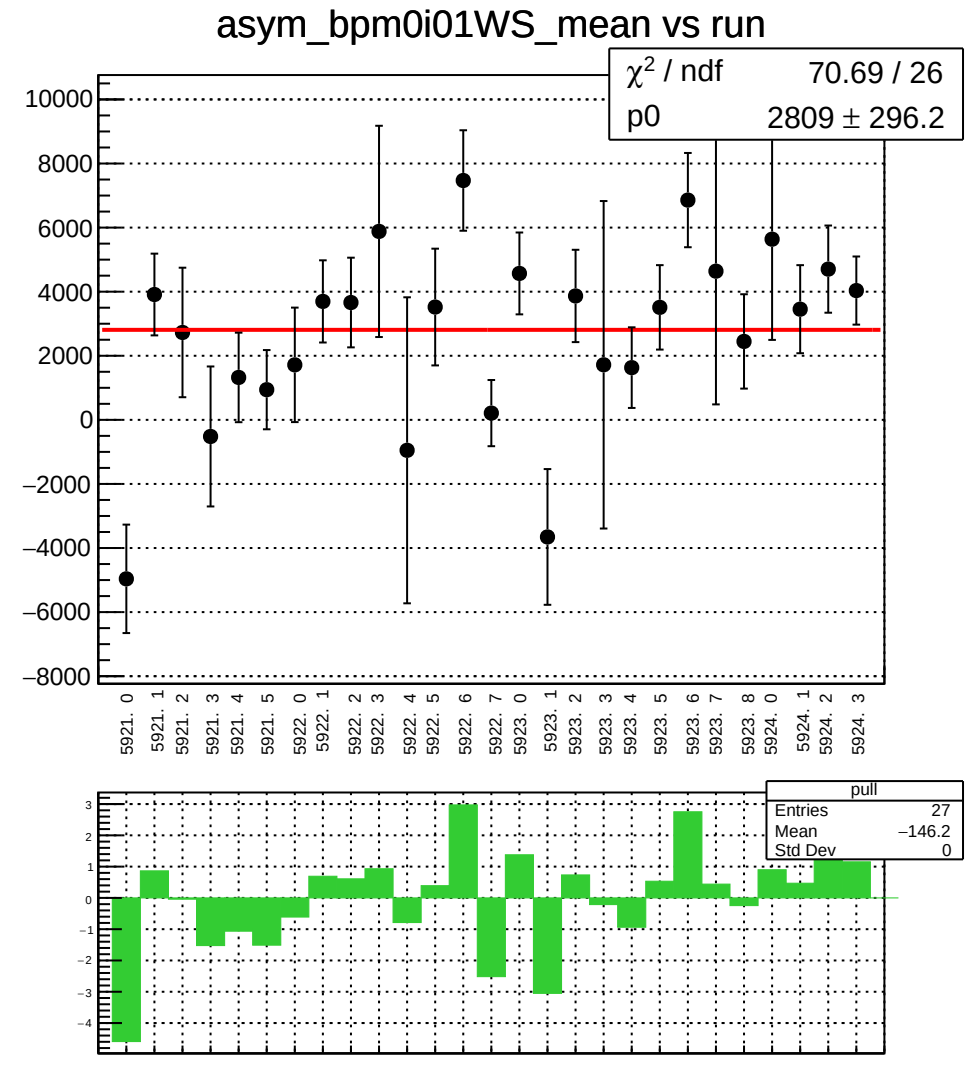

pull1D
Entries 27
Mean −0.04913
Std Dev 1.97
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

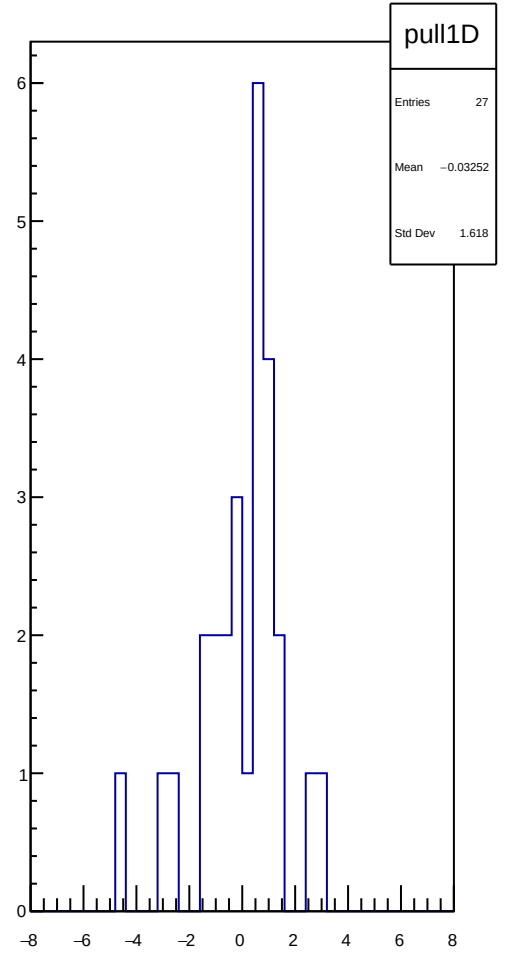

asym_bpm2i01WS_rms vs run
χ² / ndf 6.243e+04 / 26
p0 110.9 ± 0.1645
450
400
350
300
250
200
150
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

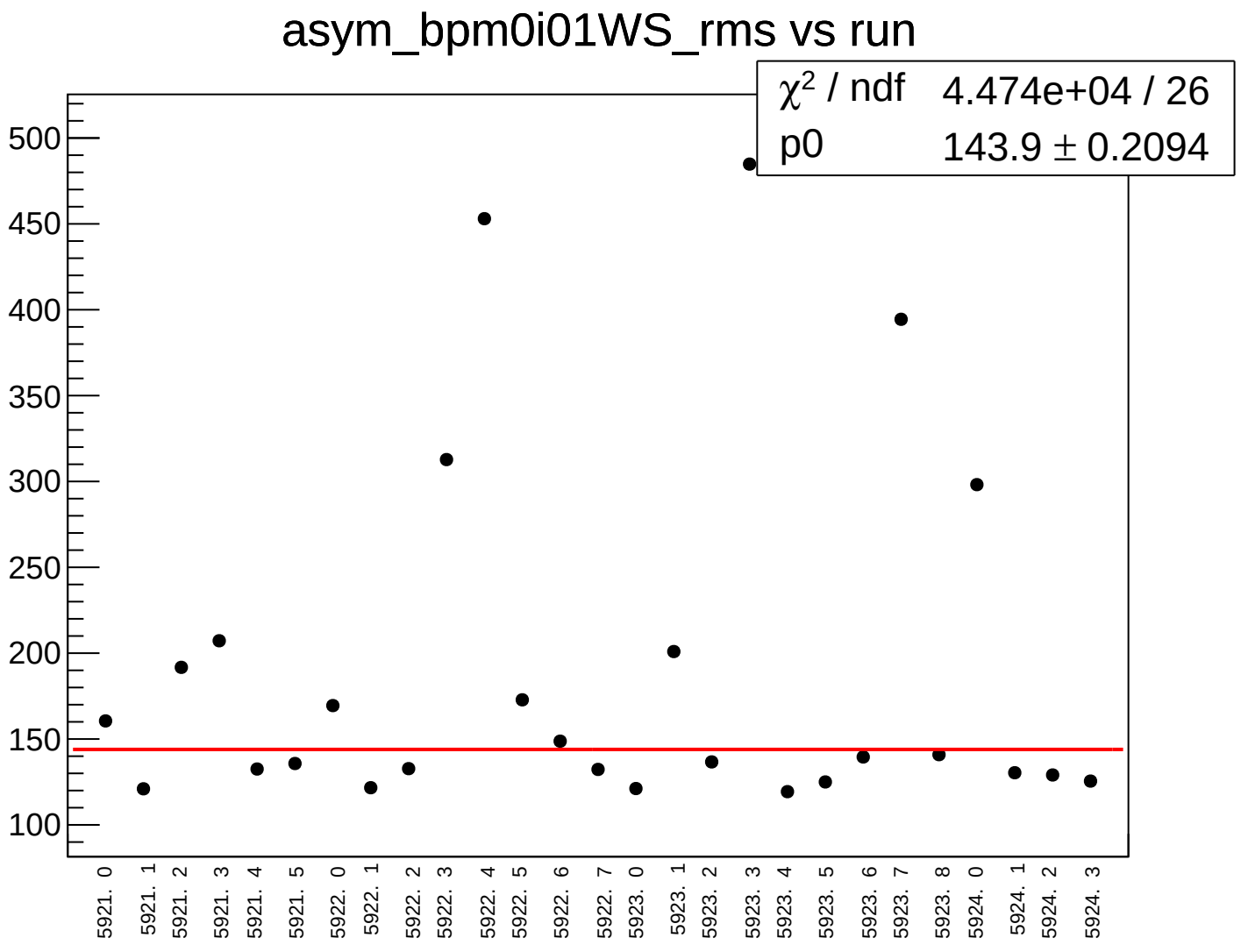

asym_bpm2i02WS_mean vs run
χ² / ndf 134.9 / 26
p0 3311 ± 222.8
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −9.577
Std Dev 0

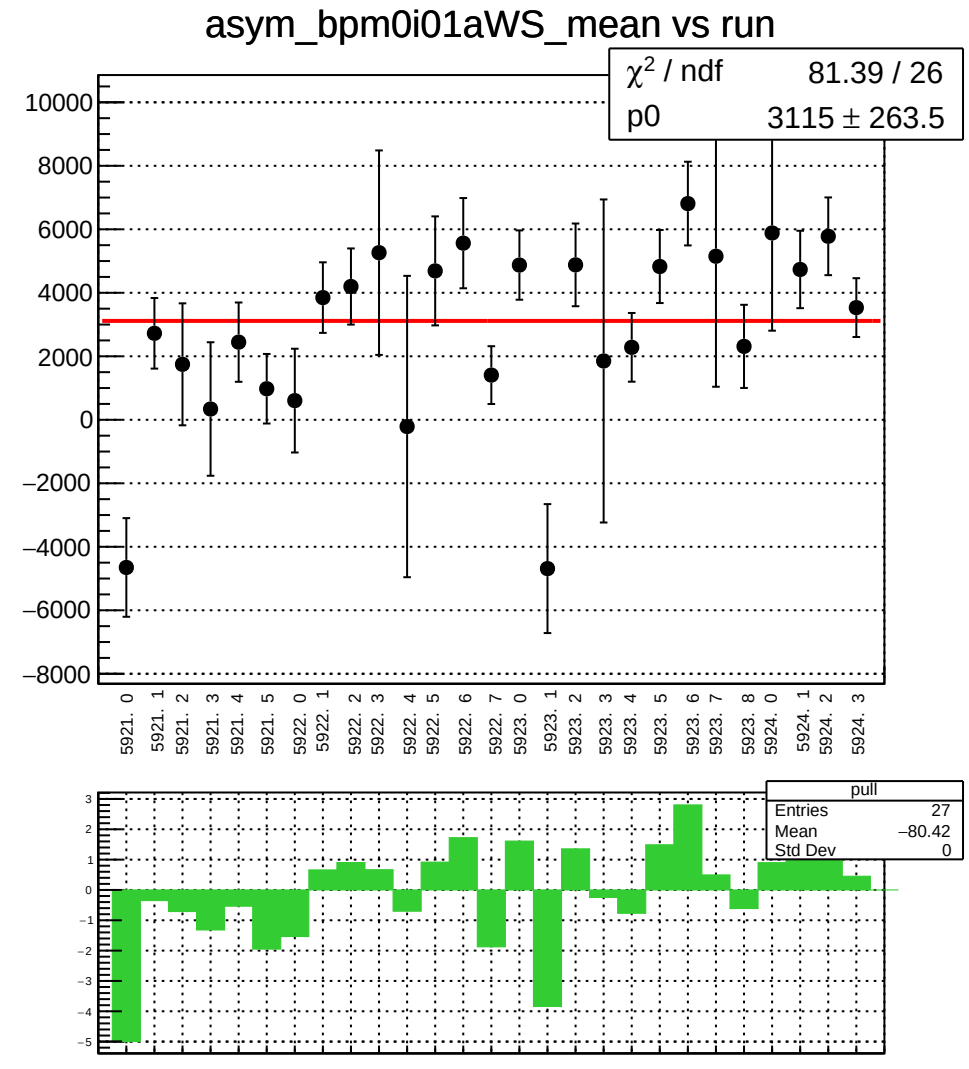

pull1D
Entries 27
Mean −0.08388
Std Dev 2.234
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

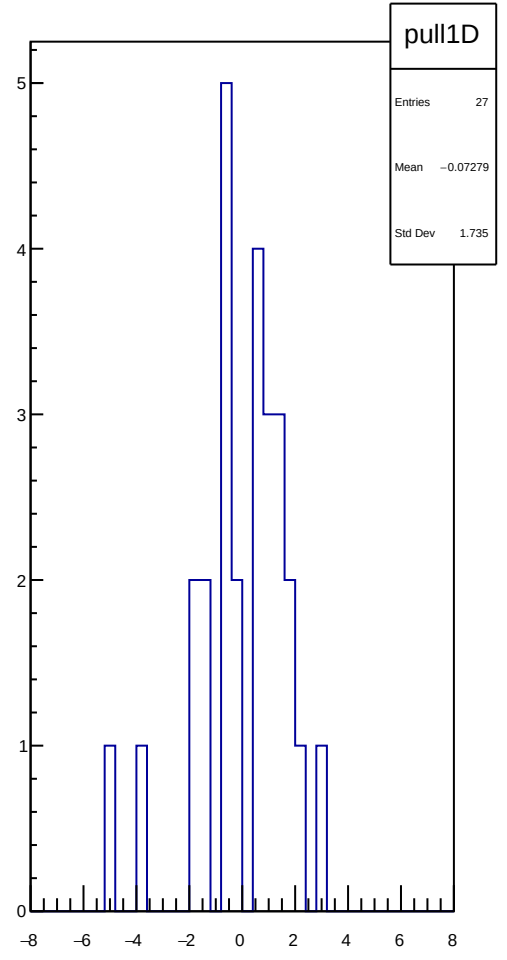

asym_bpm2i02WS_rms vs run
χ^2 / ndf 6.585e+04 / 26
p0 105.8 ± 0.1576
450
400
350
300
250
200
150
100
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

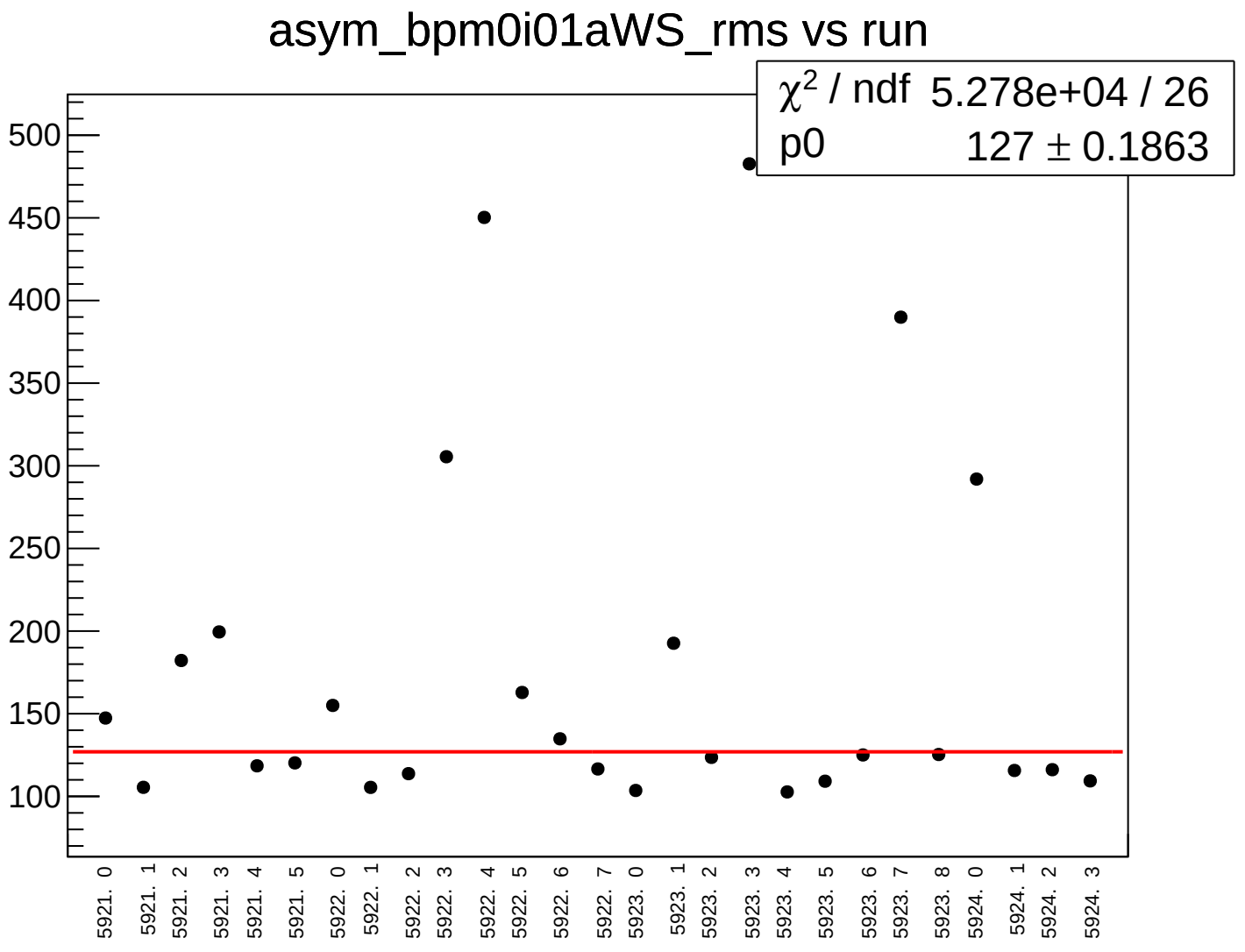

asym_bpm0i01WS_mean vs run
χ² / ndf 70.69 / 26
p0 2809 ± 296.2
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −146.2
Std Dev 0
3
2
1
0
−1
−2
−3
−4

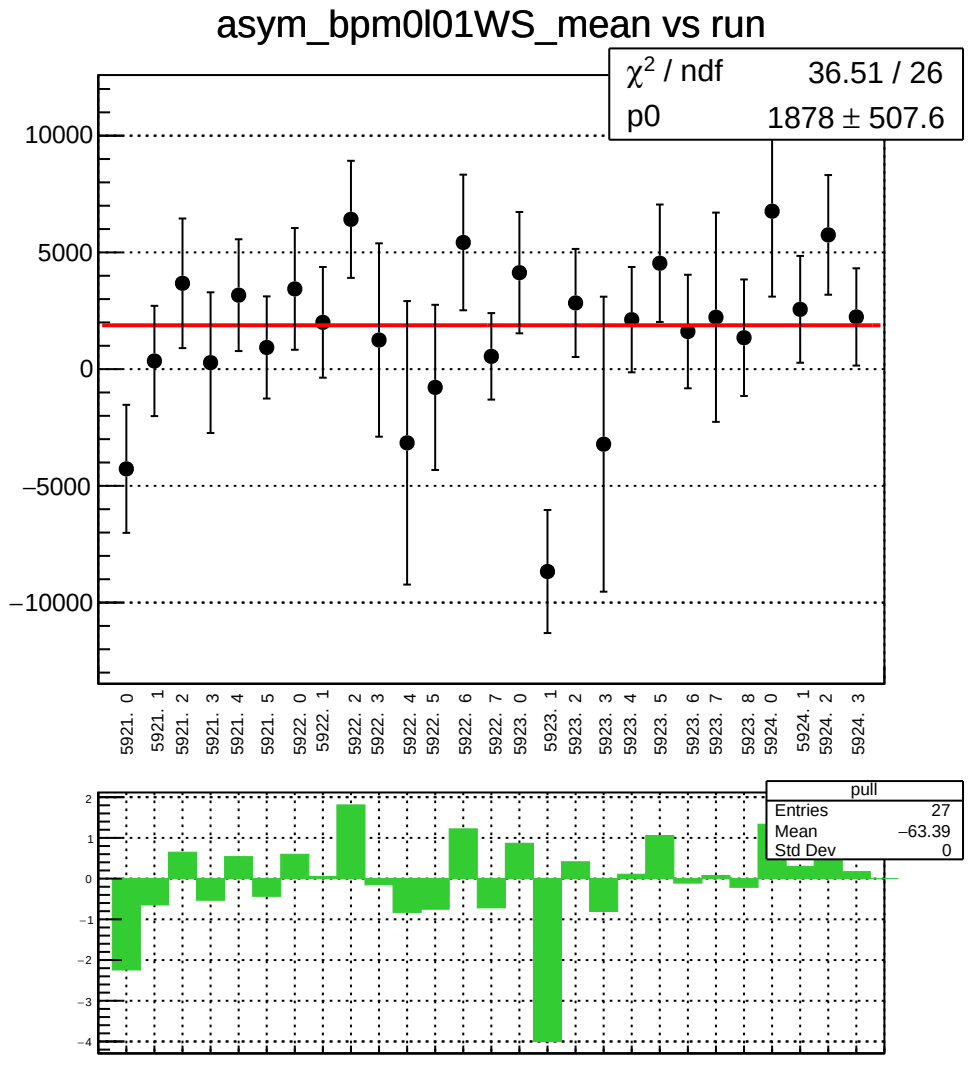

pull1D
Entries 27
Mean −0.03252
Std Dev 1.618
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

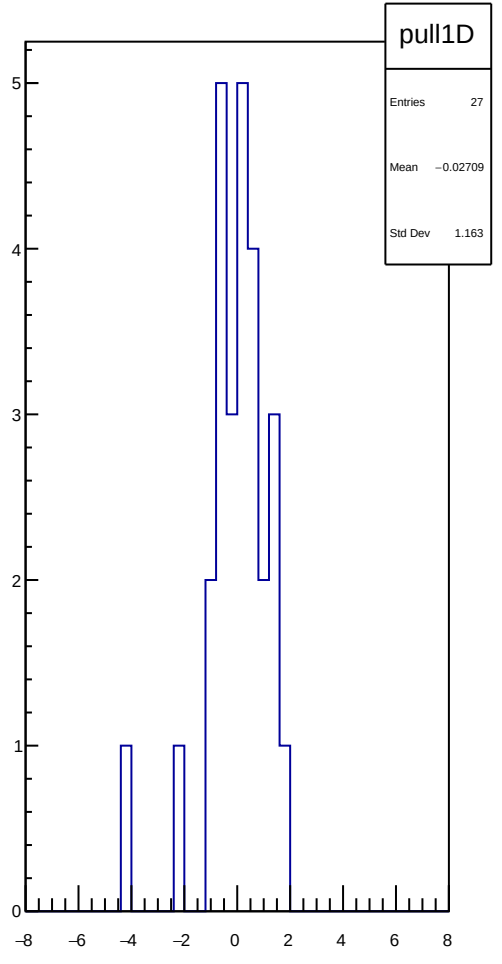

asym_bpm0i01WS_rms vs run
χ² / ndf 4.474e+04 / 26
p0 143.9 ± 0.2094
500
450
400
350
300
250
200
150
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

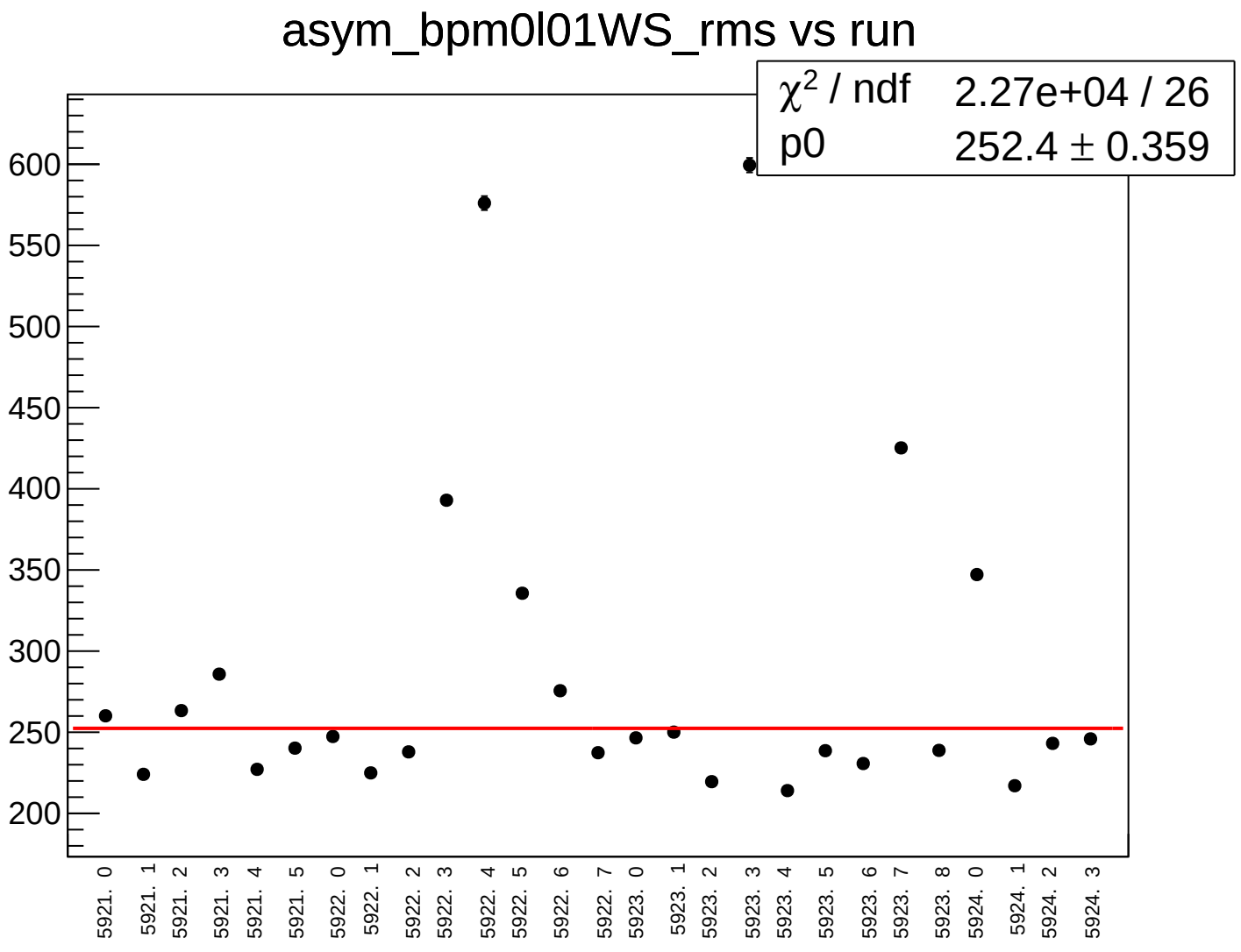

asym_bpm0i01aWS_mean vs run
χ² / ndf 81.39 / 26
p0 3115 ± 263.5
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −80.42
Std Dev 0
3
2
1
0
−1
−2
−3
−4
−5

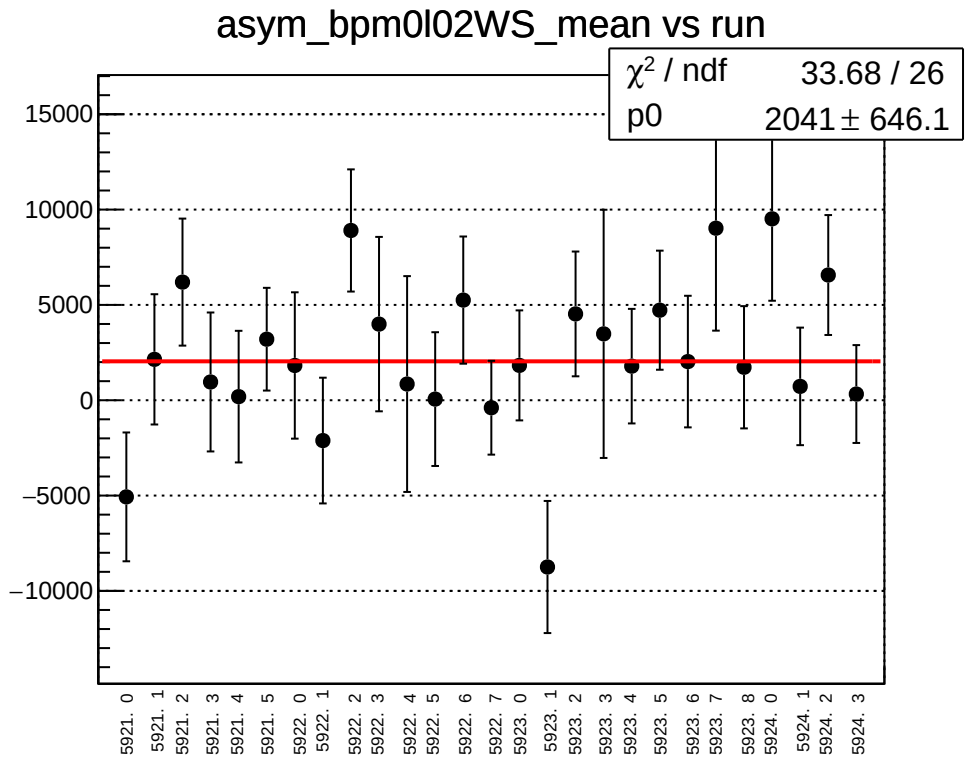

pull1D
Entries 27
Mean −0.07279
Std Dev 1.735
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

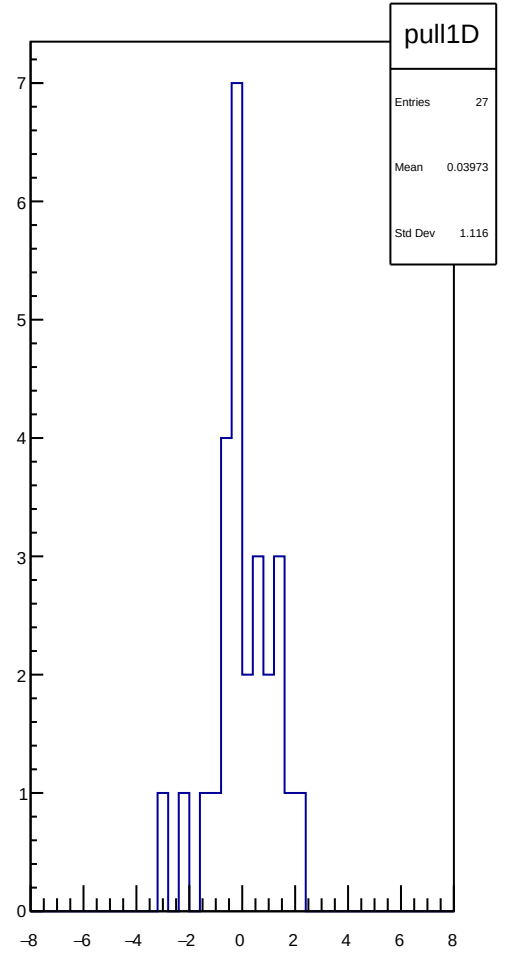

asym_bpm0i01aWS_rms vs run
χ^2 / ndf 5.278e+04 / 26
p0 127 ± 0.1863
500
450
400
350
300
250
200
150
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

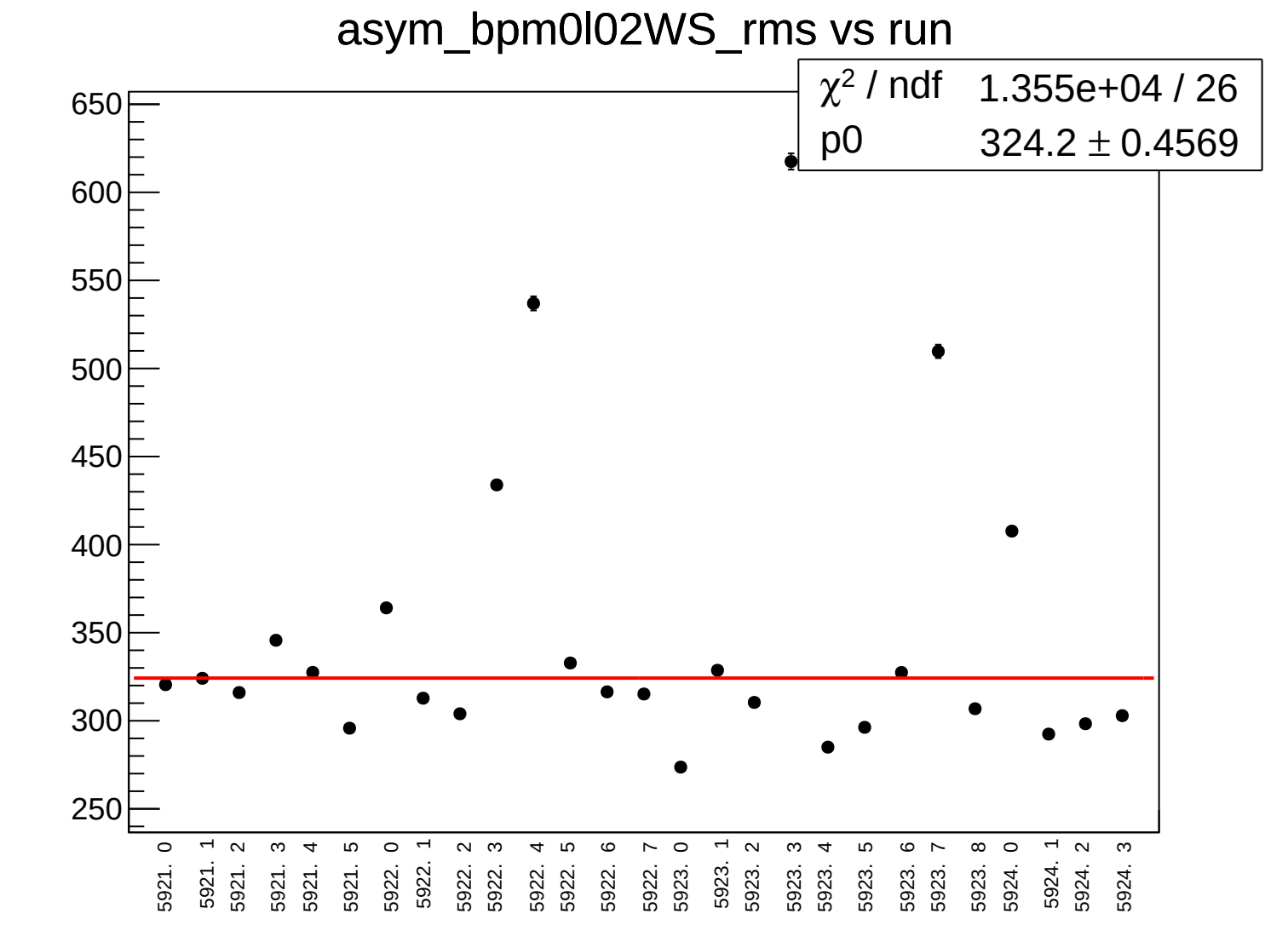

asym_bpm0l01WS_mean vs run
χ² / ndf 36.51 / 26
p0 1878 ± 507.6
10000
5000
0
−5000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −63.39
Std Dev 0
2
1
0
−1
−2
−3
−4

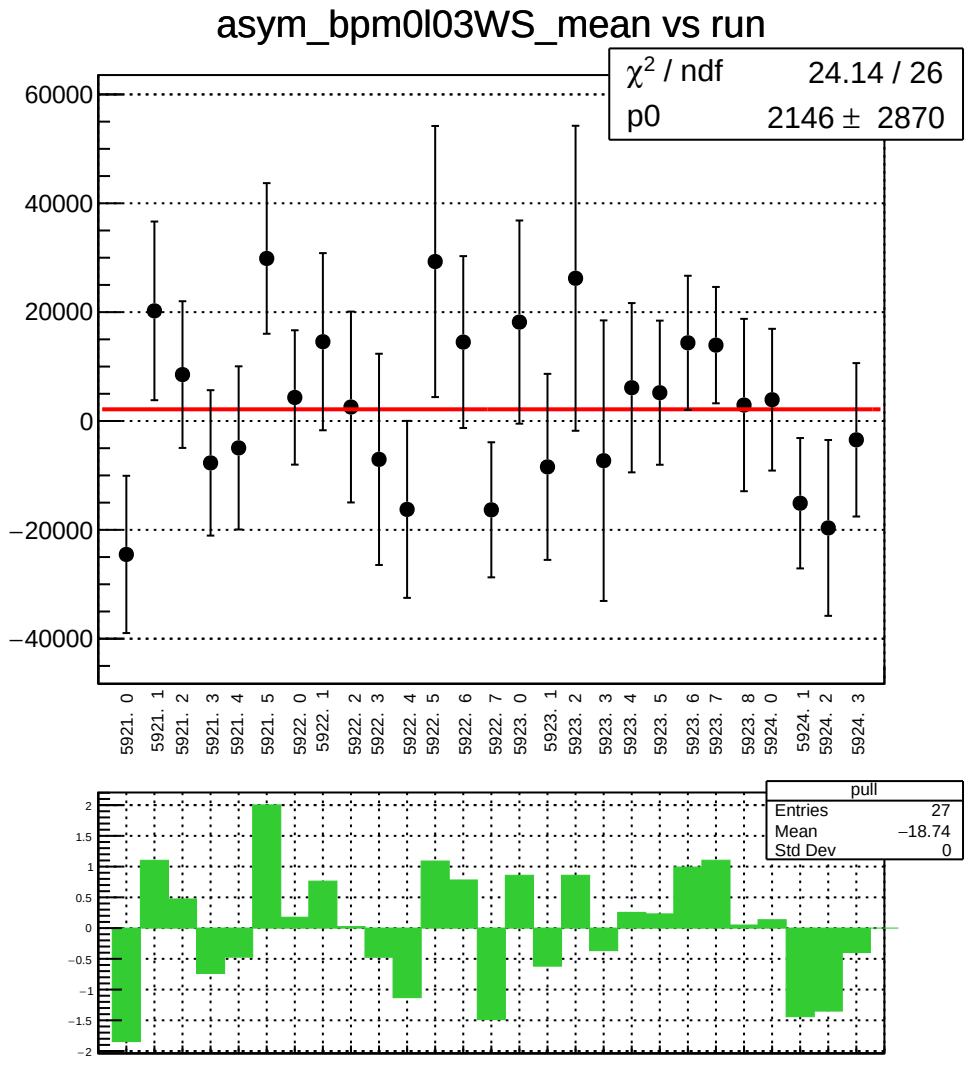

pull1D
Entries 27
Mean −0.02709
Std Dev 1.163
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

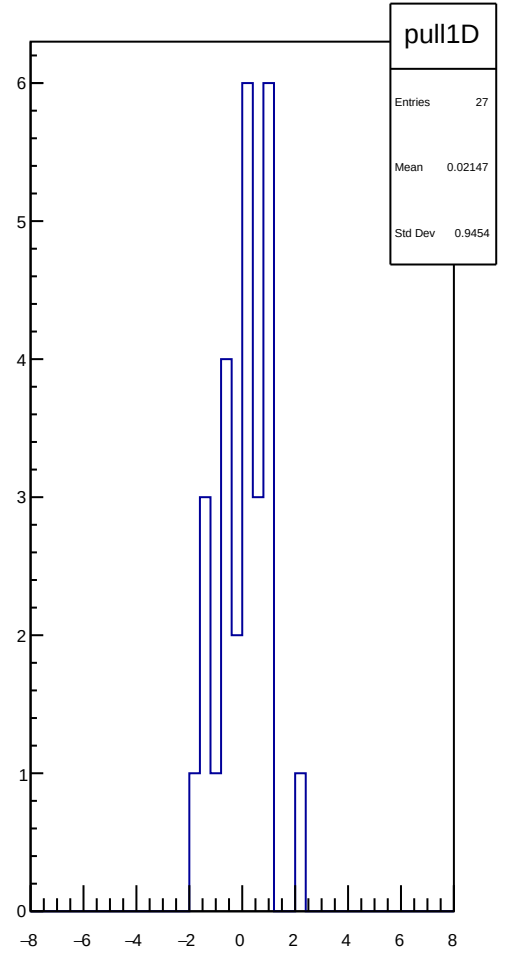

asym_bpm0l01WS_rms vs run
χ² / ndf 2.27e+04 / 26
p0 252.4 ± 0.359
600
550
500
450
400
350
300
250
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

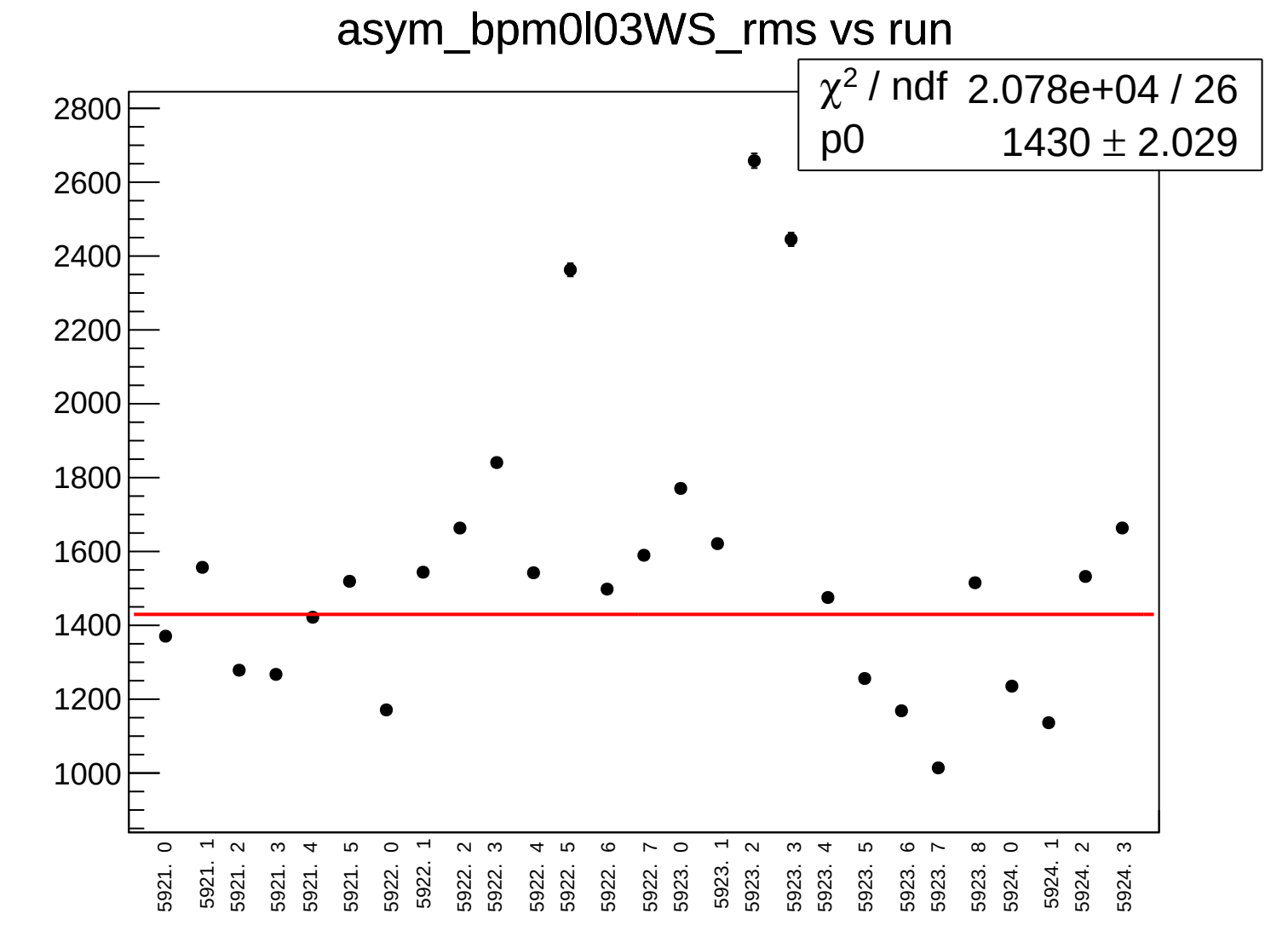

asym_bpm0l02WS_mean vs run
χ² / ndf 33.68 / 26
p0 2041 ± 646.1
15000
10000
5000
0
−5000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 56.7
Std Dev 0
2
1
0
−1
−2
−3

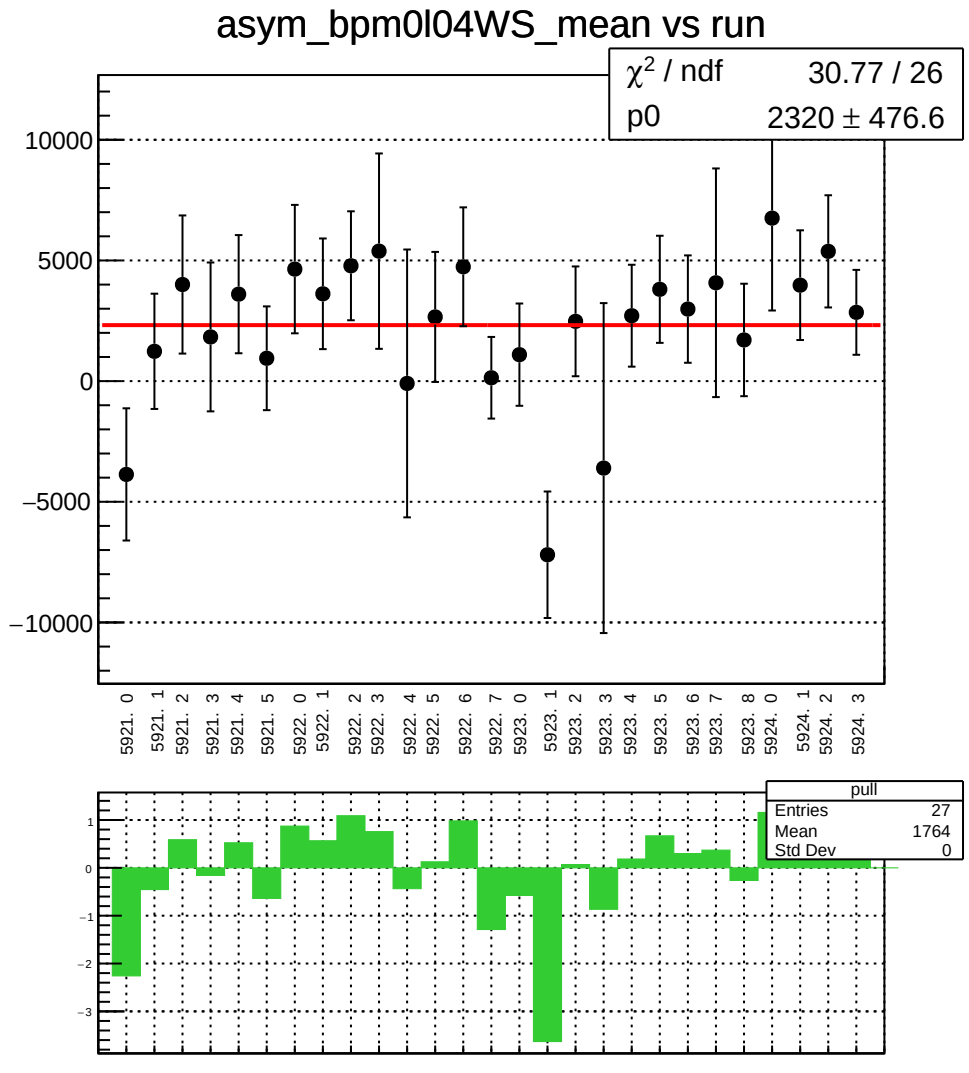

pull1D
Entries 27
Mean 0.03973
Std Dev 1.116
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

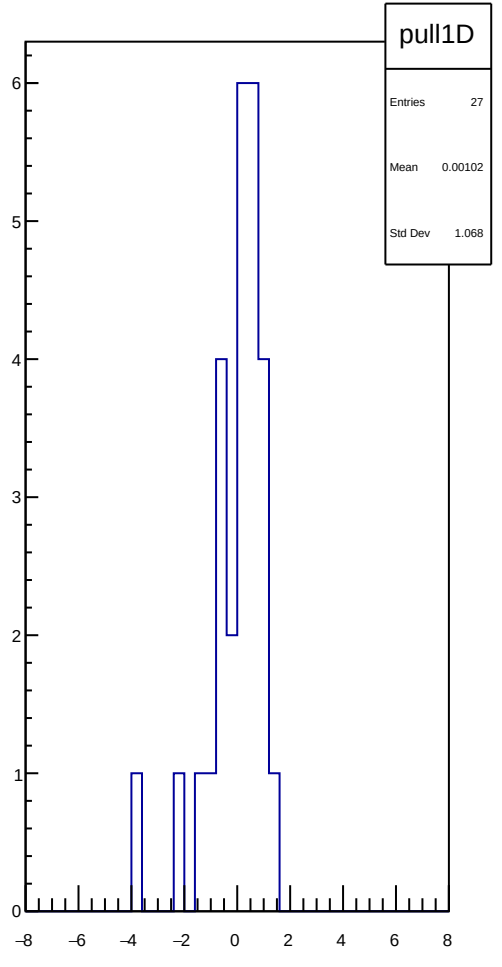

asym_bpm0l02WS_rms vs run
χ² / ndf 1.355e+04 / 26
p0 324.2 ± 0.4569
650
600
550
500
450
400
350
300
250
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

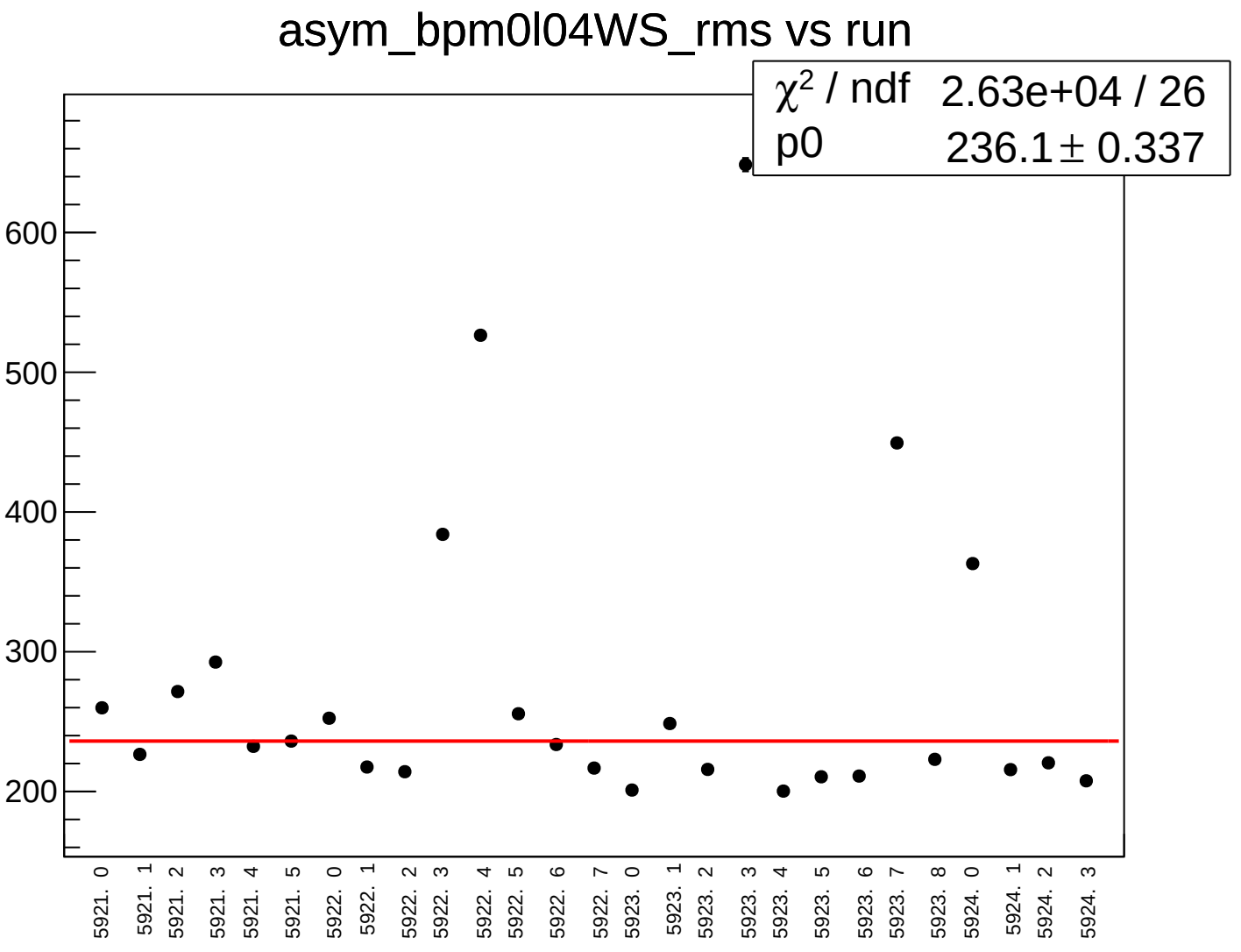

asym_bpm0l03WS_mean vs run
χ² / ndf 24.14 / 26
p0 2146 ± 2870
60000
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −18.74
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

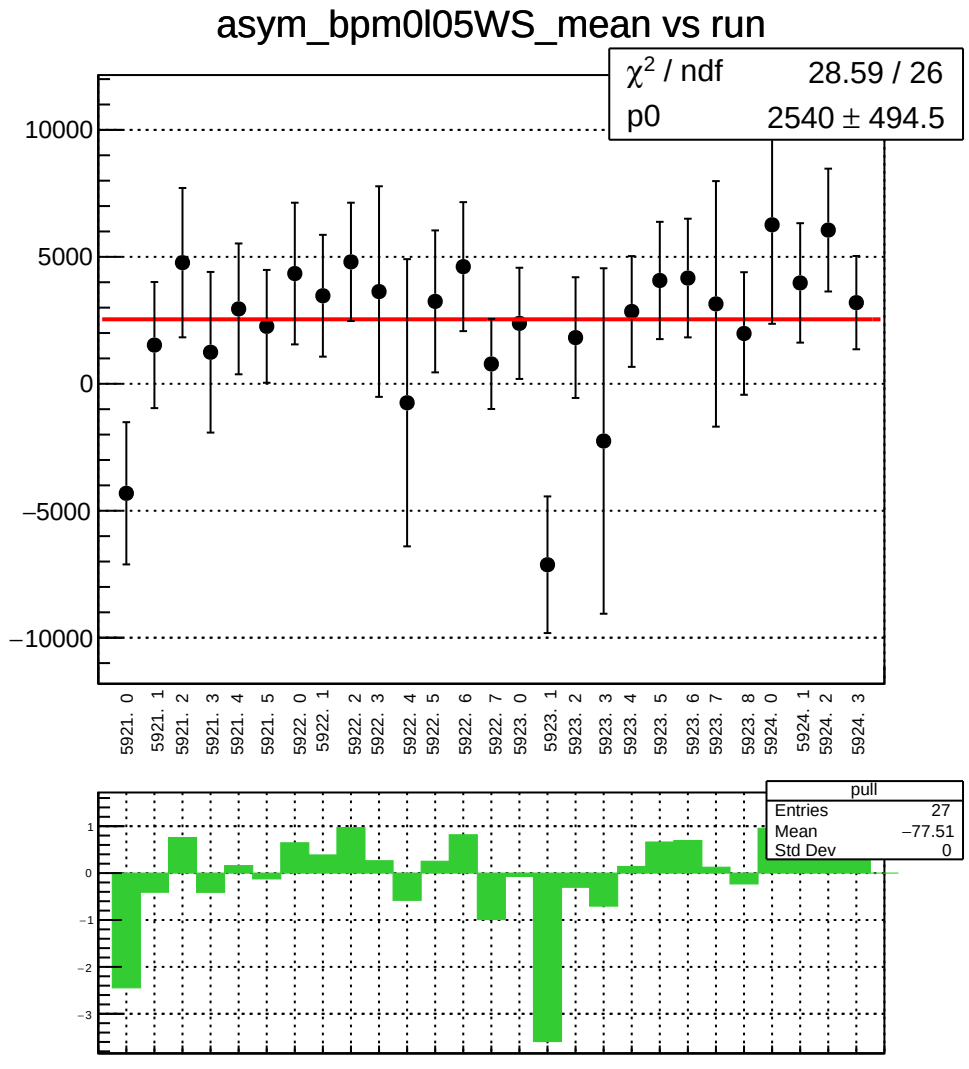

pull1D
Entries 27
Mean 0.02147
Std Dev 0.9454
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

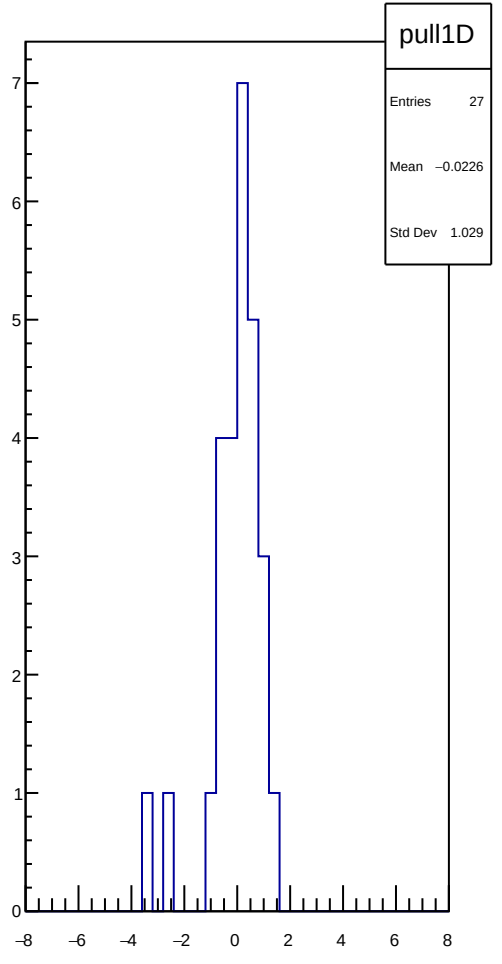

asym_bpm0l03WS_rms vs run
χ² / ndf 2.078e+04 / 26
p0 1430 ± 2.029
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

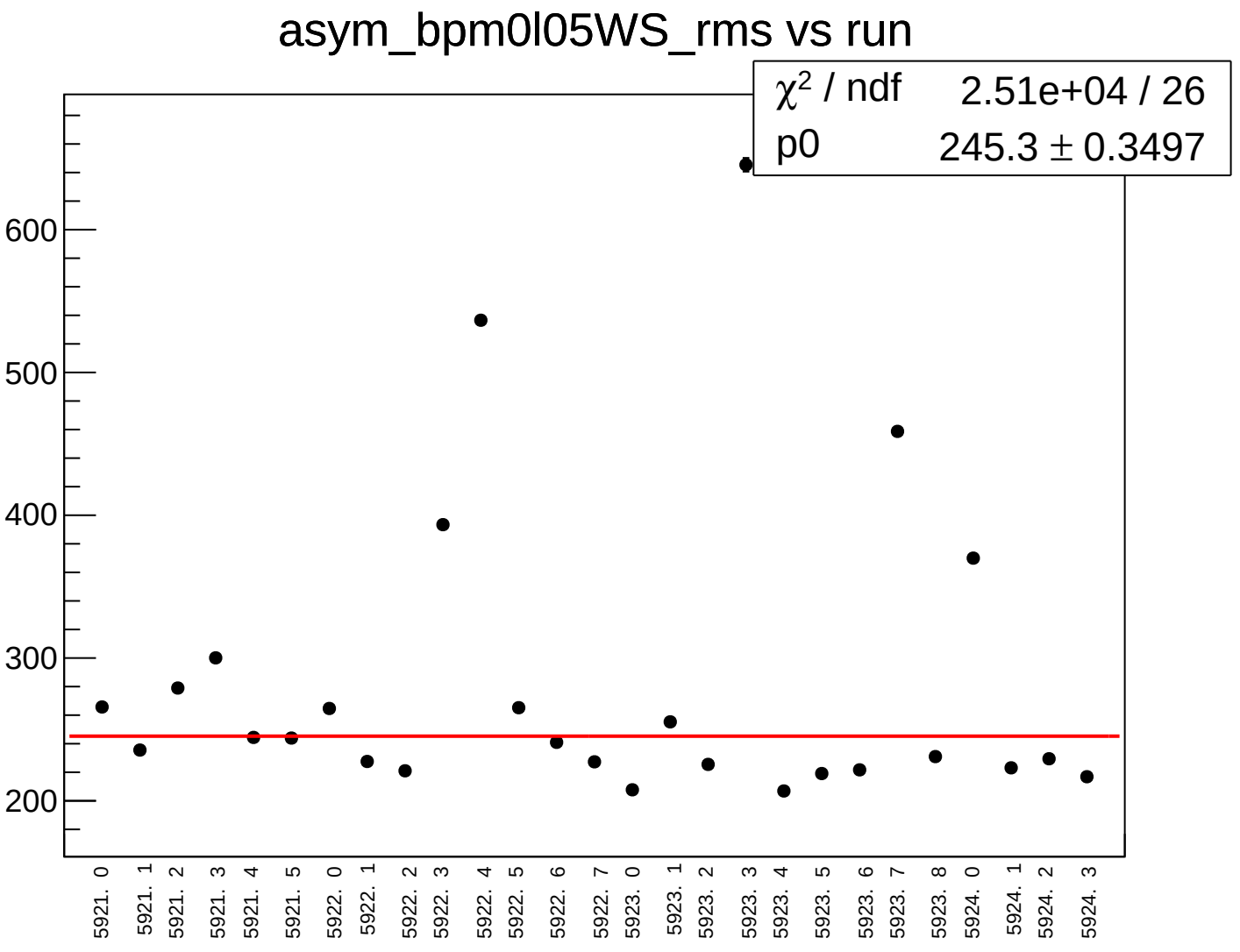

asym_bpm0l04WS_mean vs run
χ² / ndf 30.77 / 26
p0 2320 ± 476.6
10000
5000
0
−5000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 1764
Std Dev 0
1
0
−1
−2
−3

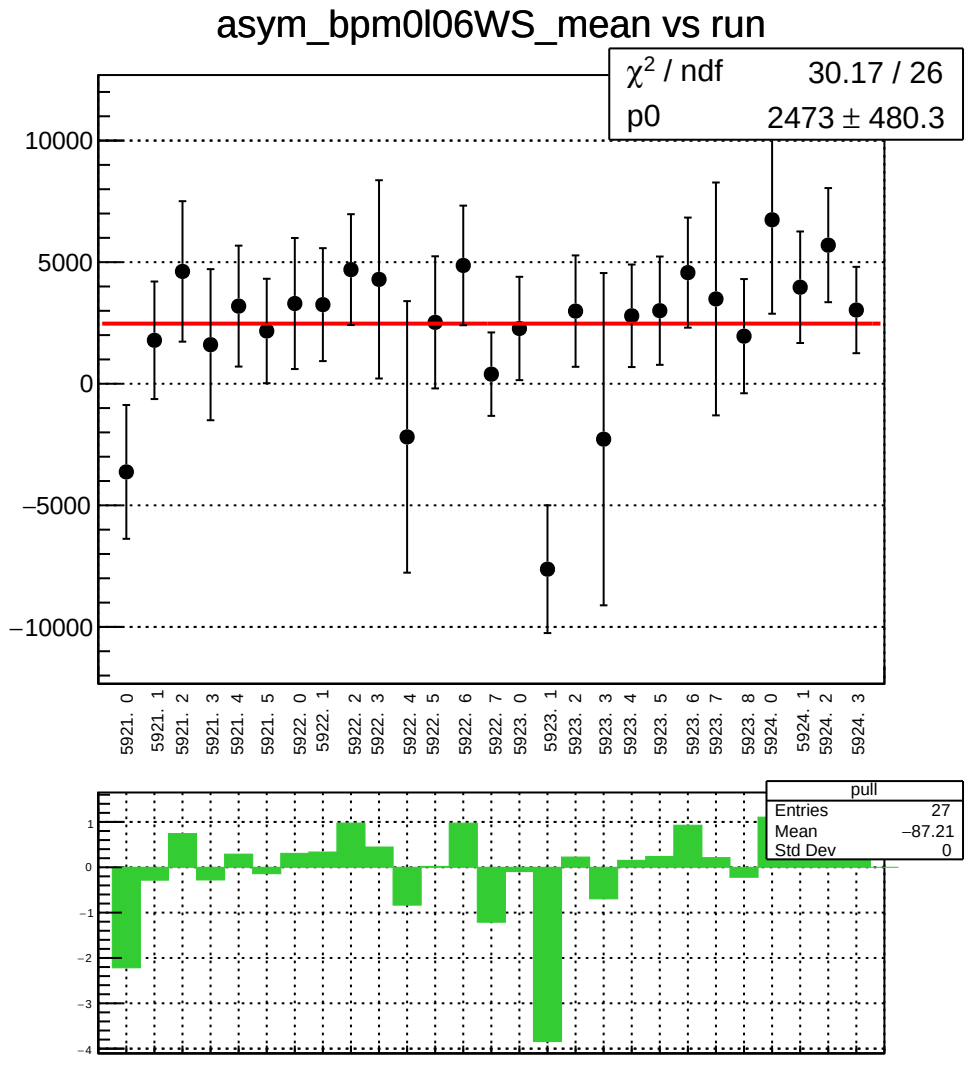

pull1D
Entries 27
Mean 0.00102
Std Dev 1.068
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

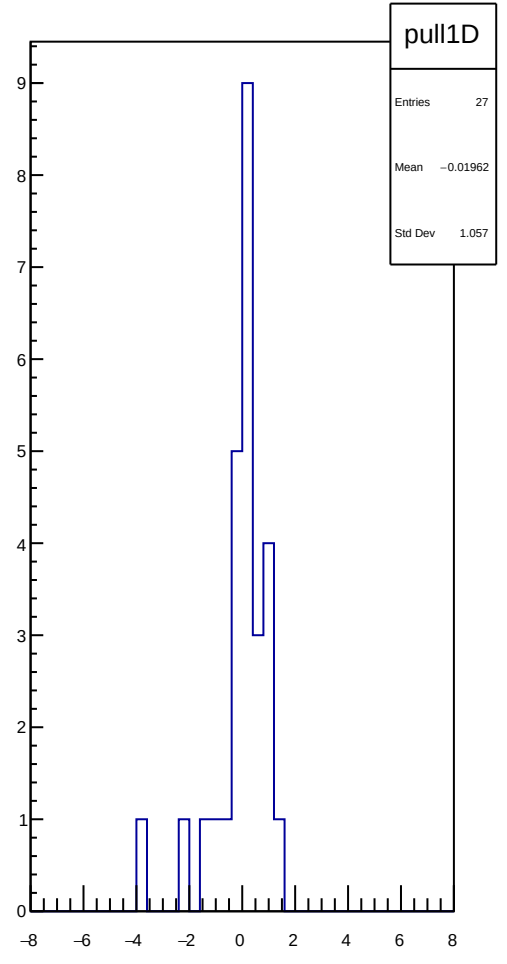

asym_bpm0l04WS_rms vs run
χ² / ndf 2.63e+04 / 26
p0 236.1 ± 0.337
600
500
400
300
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

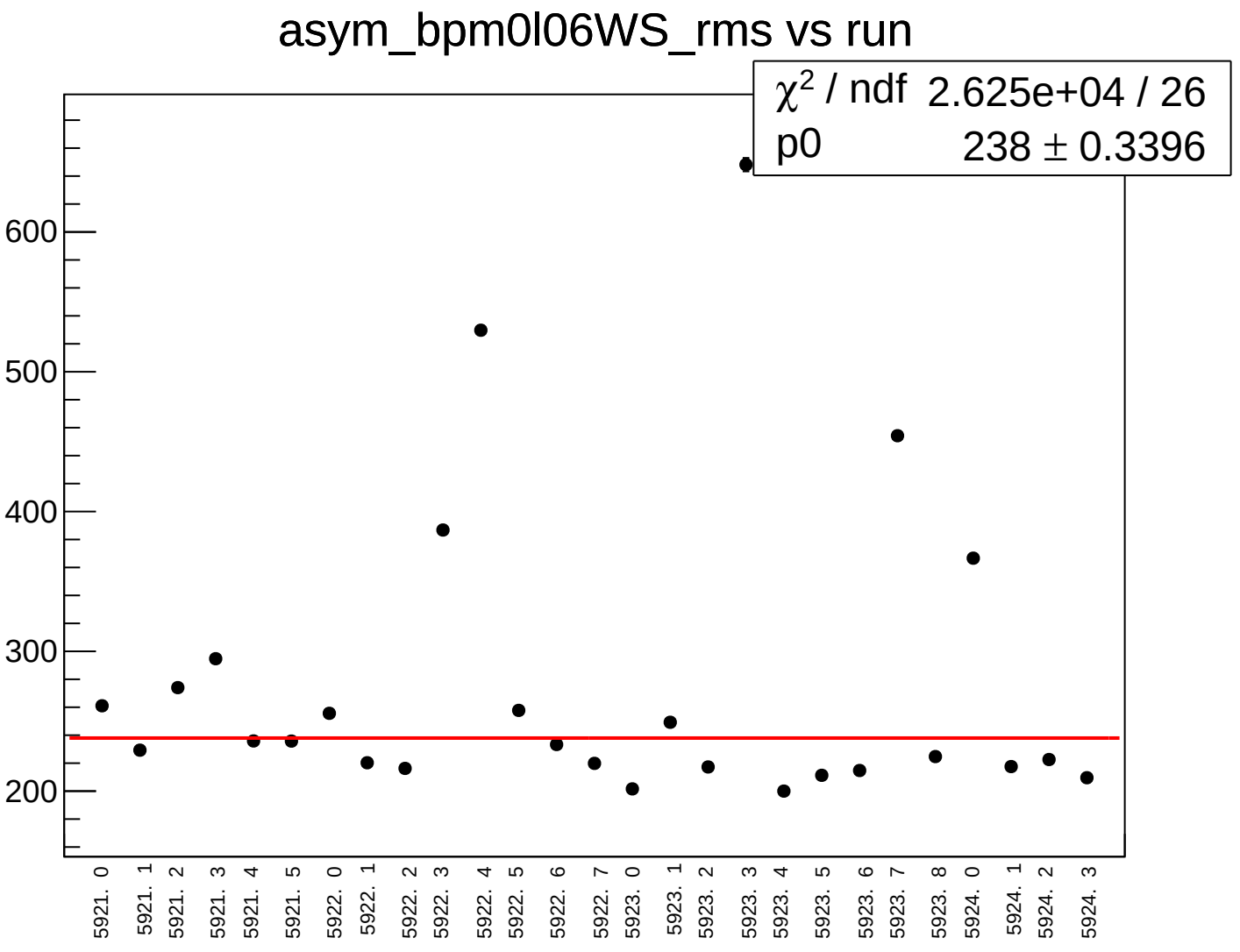

asym_bpm0l05WS_mean vs run
χ² / ndf 28.59 / 26
p0 2540 ± 494.5
10000
5000
0
−5000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −77.51
Std Dev 0
1
0
−1
−2
−3

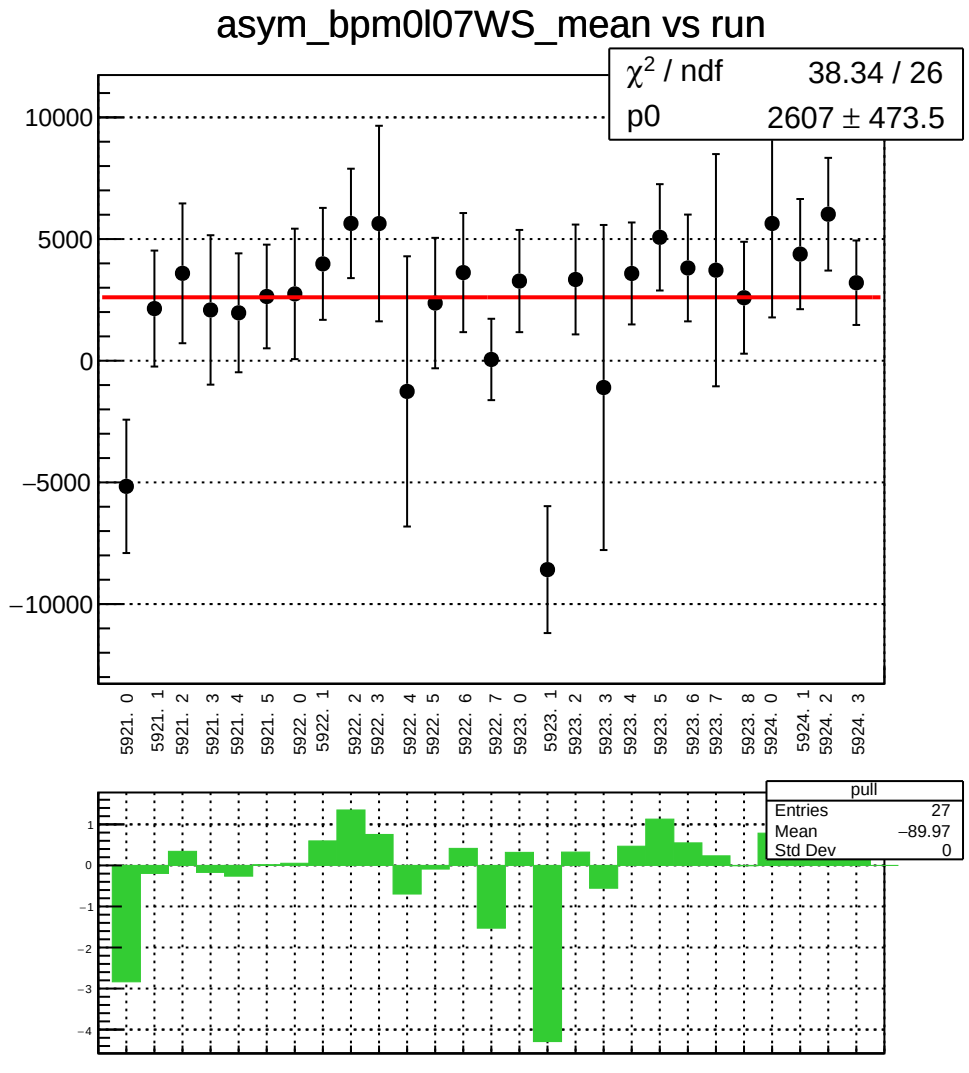

pull1D
Entries 27
Mean −0.0226
Std Dev 1.029
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

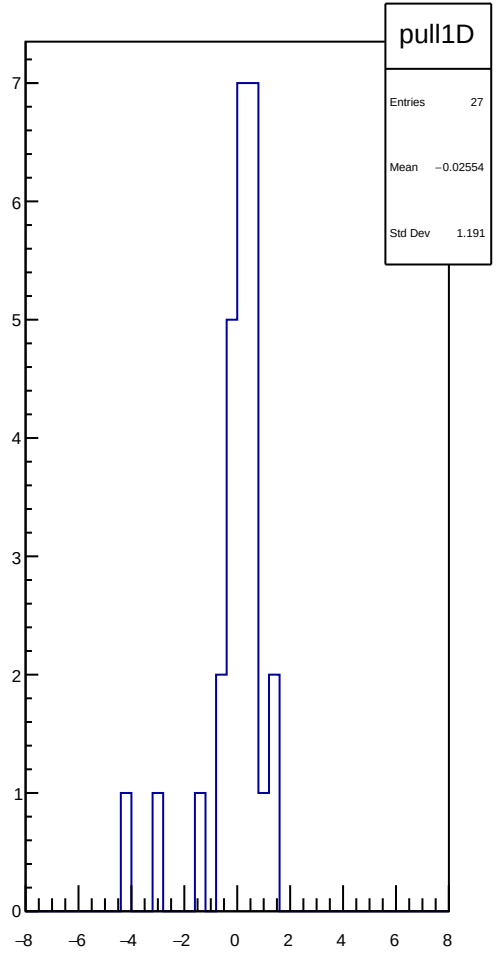

asym_bpm0l05WS_rms vs run
χ² / ndf 2.51e+04 / 26
p0 245.3 ± 0.3497
600
500
400
300
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

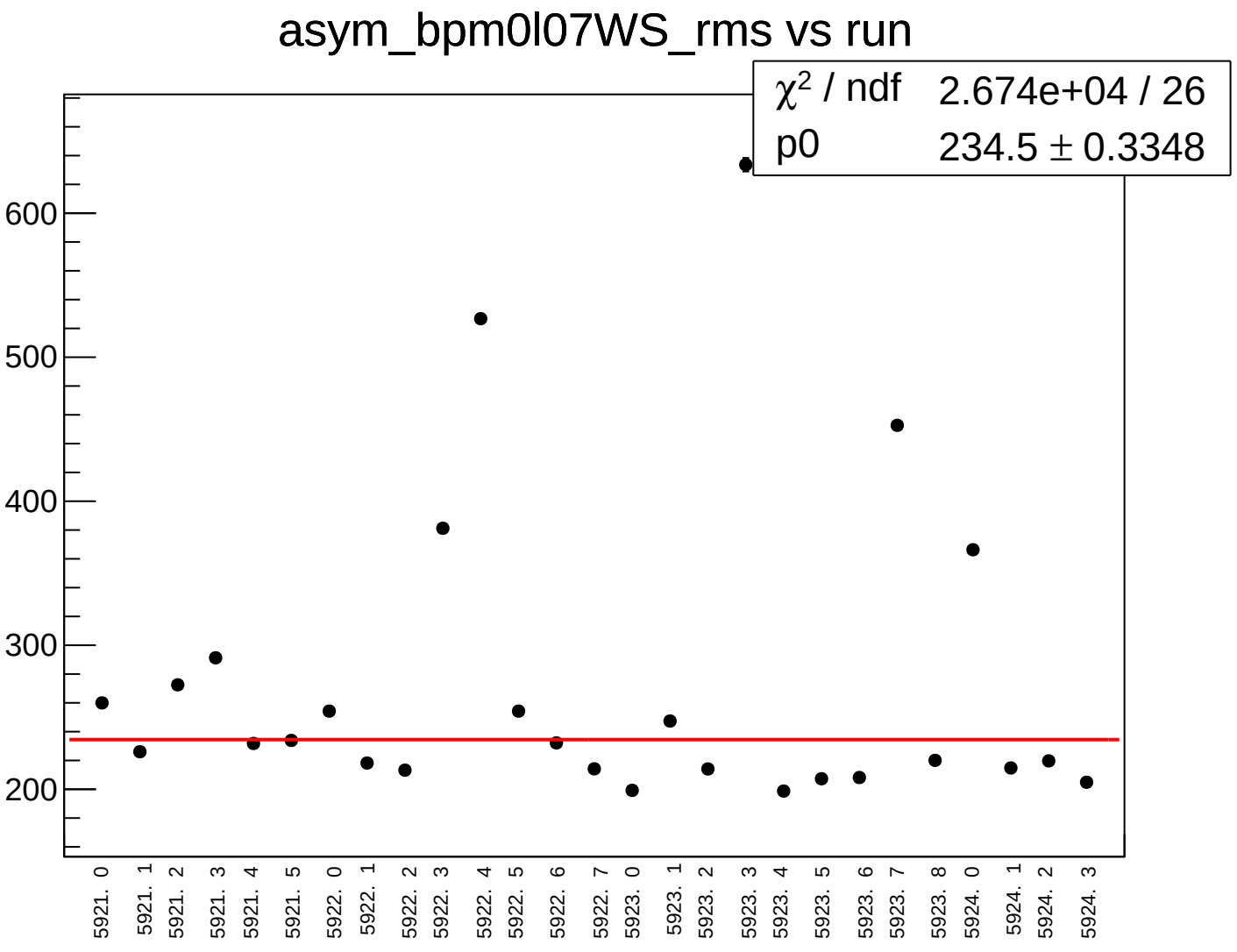

asym_bpm0l06WS_mean vs run
χ² / ndf 30.17 / 26
p0 2473 ± 480.3
10000
5000
0
−5000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −87.21
Std Dev 0
1
0
−1
−2
−3
−4

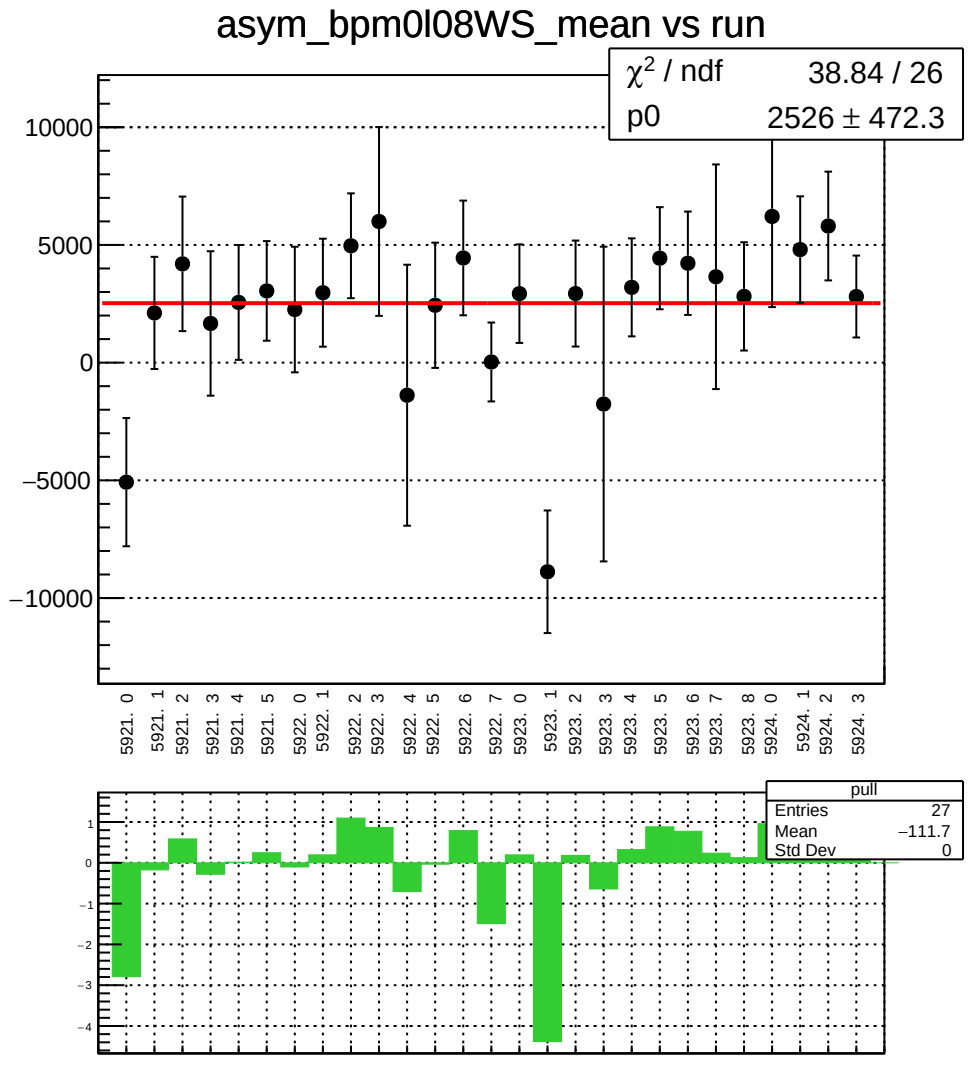

pull1D
Entries 27
Mean −0.01962
Std Dev 1.057
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

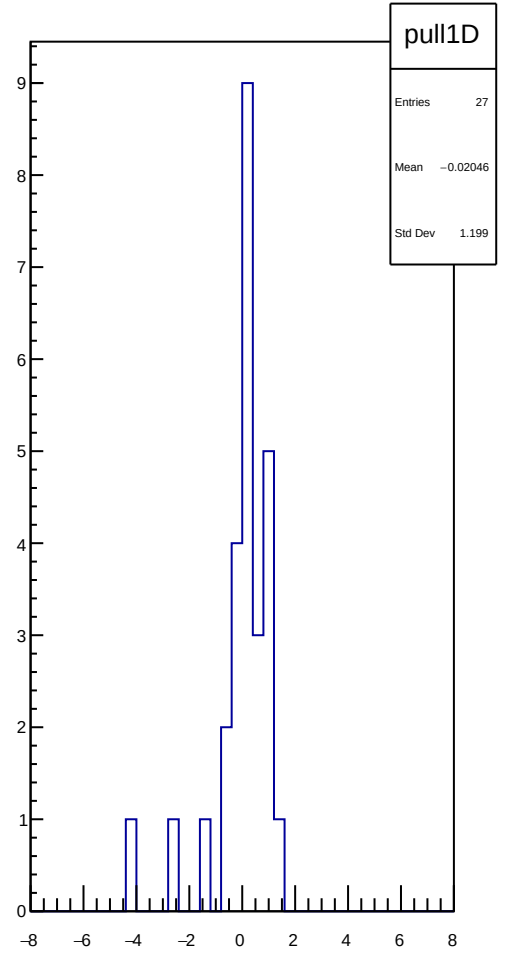

asym_bpm0l06WS_rms vs run
χ² / ndf 2.625e+04 / 26
p0 238 ± 0.3396
600
500
400
300
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

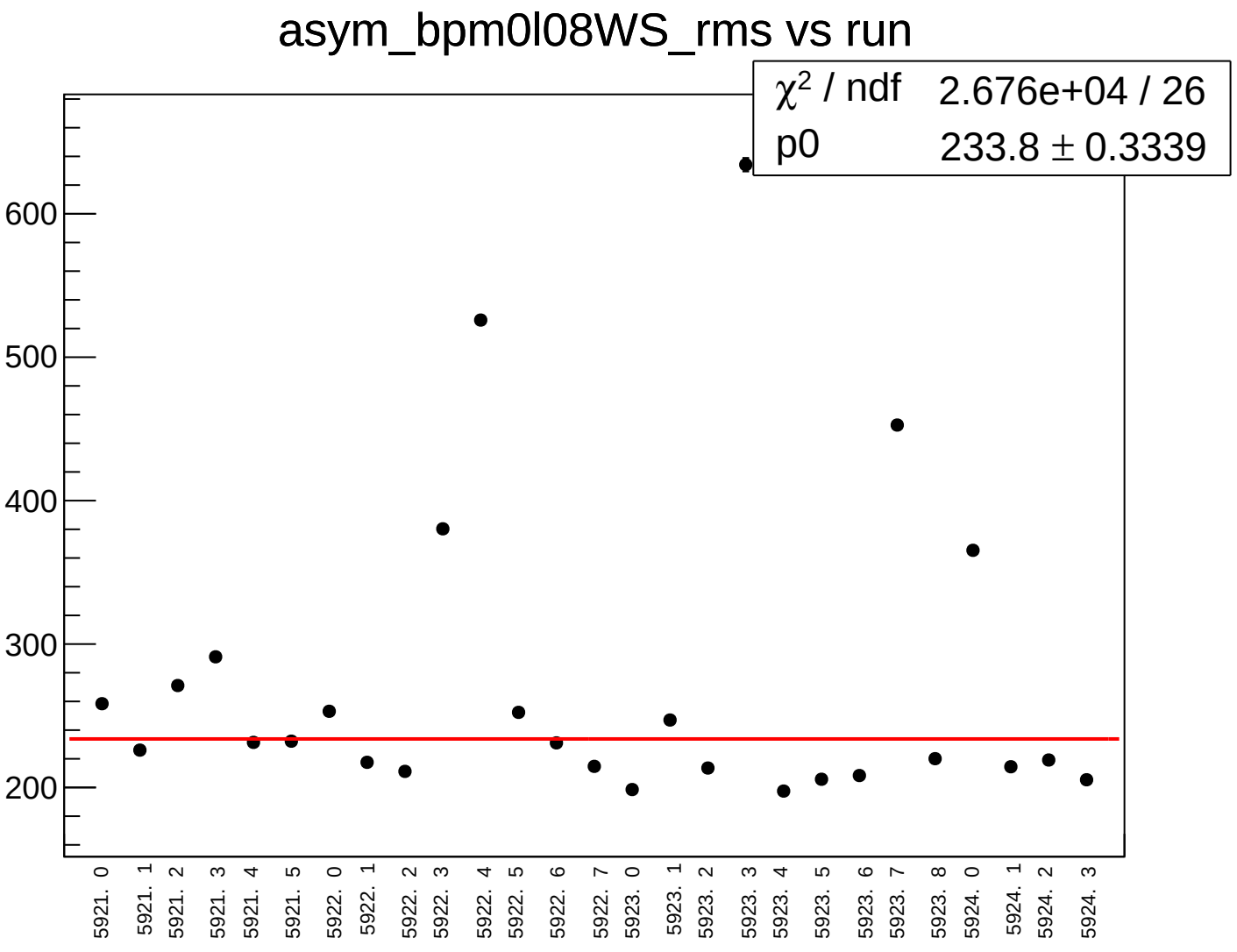

asym_bpm0l07WS_mean vs run
χ² / ndf 38.34 / 26
p0 2607 ± 473.5
10000
5000
0
−5000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −89.97
Std Dev 0
1
0
−1
−2
−3
−4

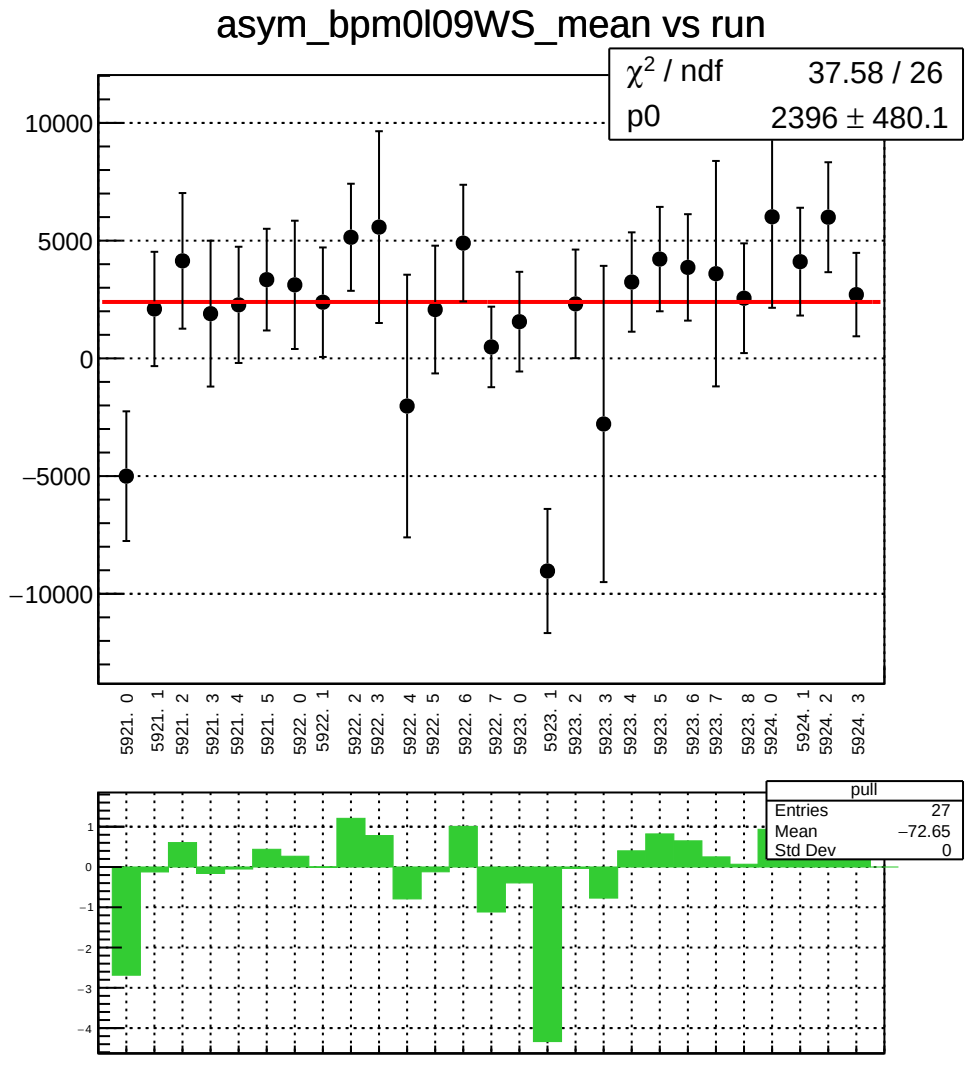

pull1D
Entries 27
Mean −0.02554
Std Dev 1.191
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

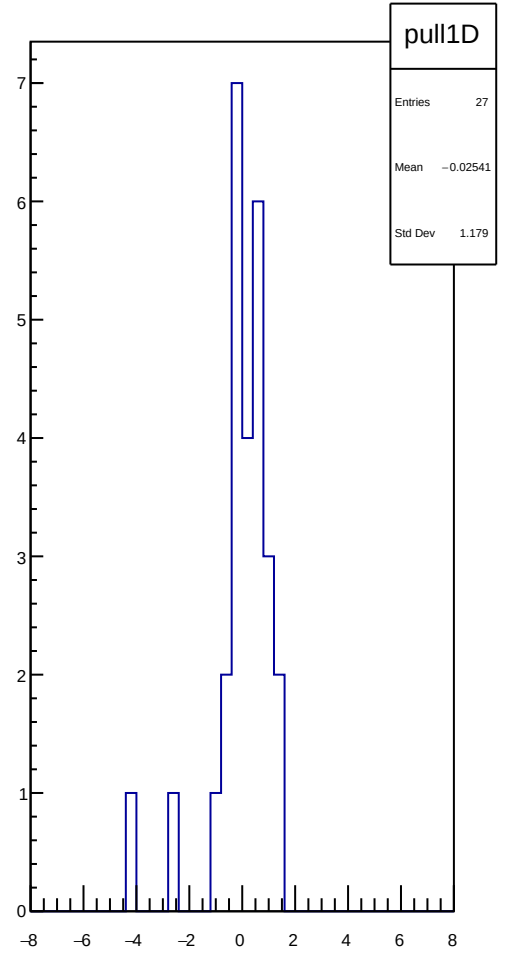

asym_bpm0l07WS_rms vs run
χ² / ndf 2.674e+04 / 26
p0 234.5 ± 0.3348
600
500
400
300
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

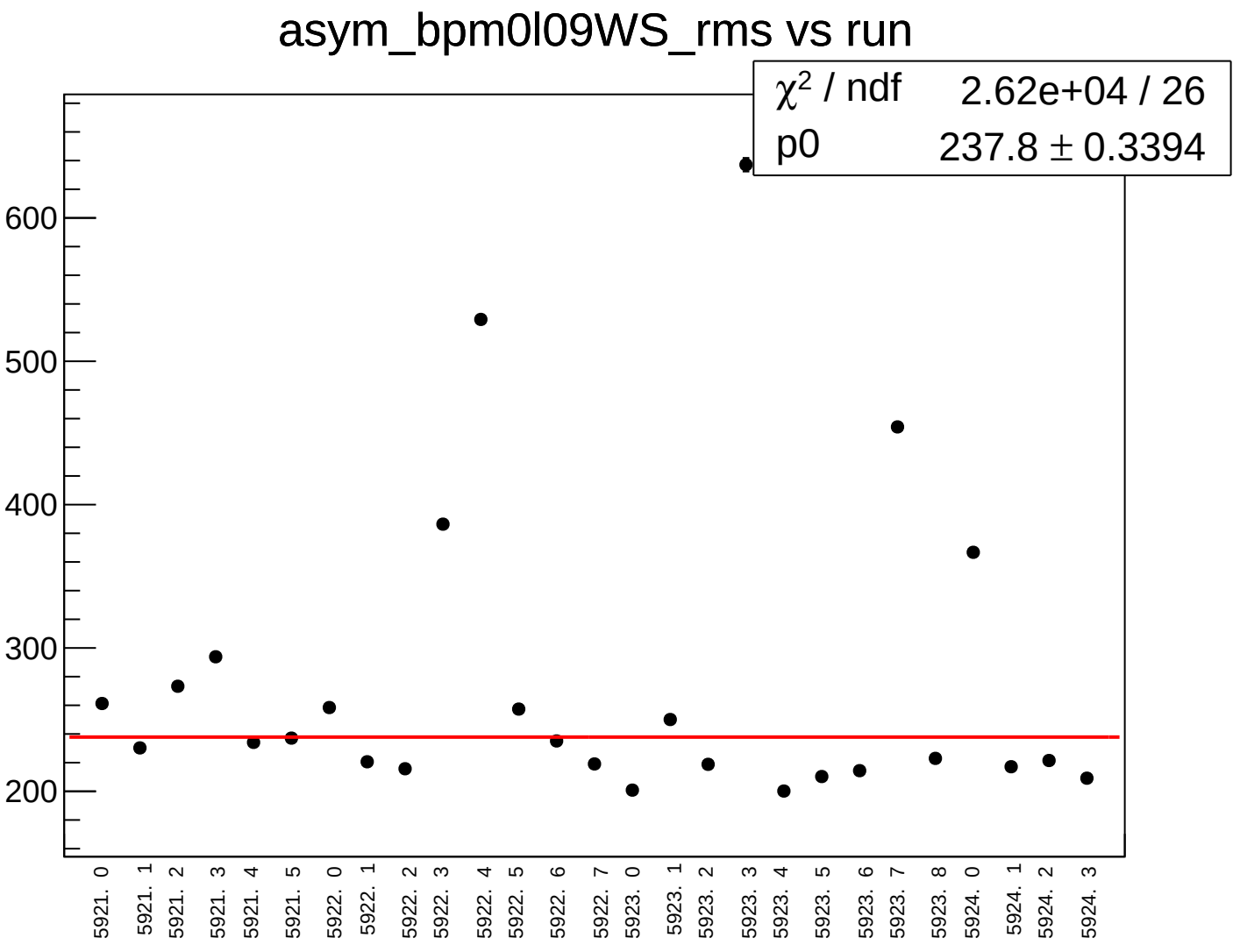

asym_bpm0l08WS_mean vs run
χ² / ndf 38.84 / 26
p0 2526 ± 472.3
10000
5000
0
−5000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −111.7
Std Dev 0
1
0
−1
−2
−3
−4

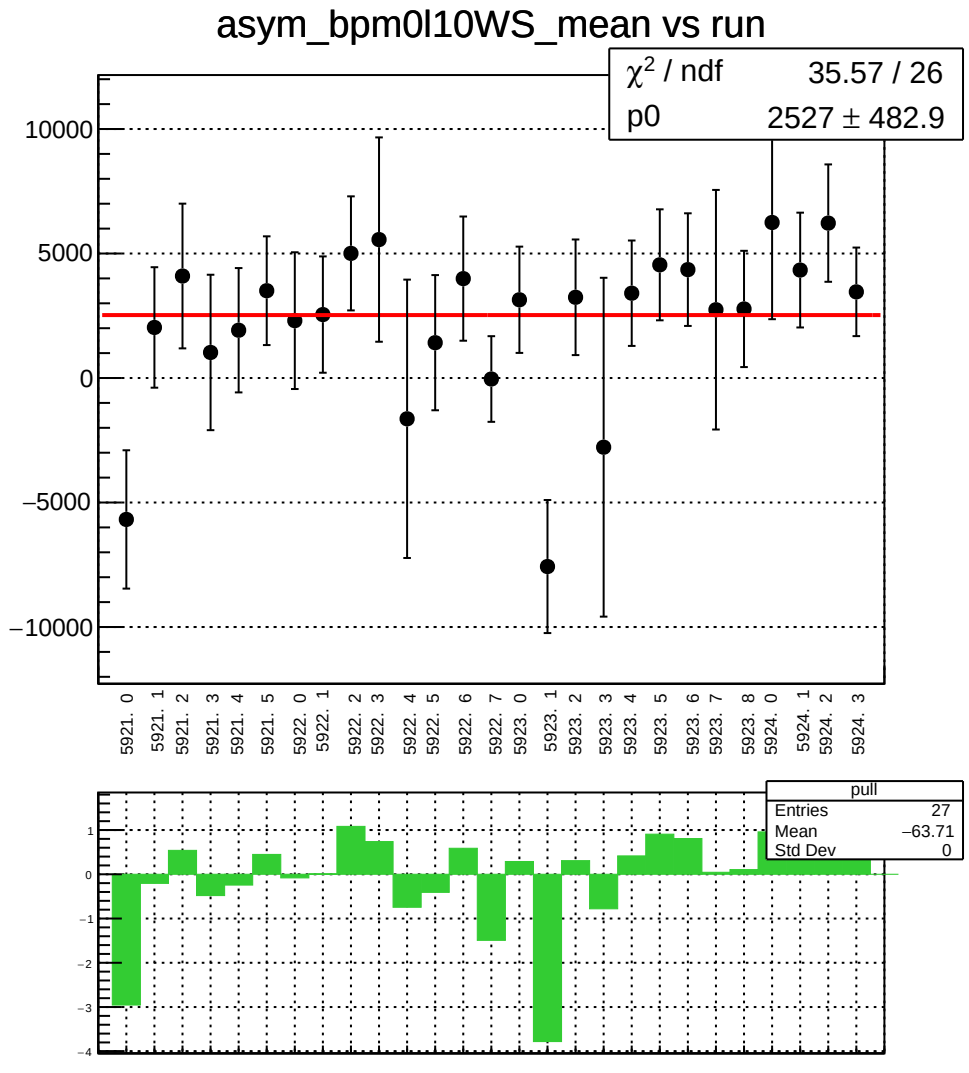

pull1D
Entries 27
Mean −0.02046
Std Dev 1.199
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

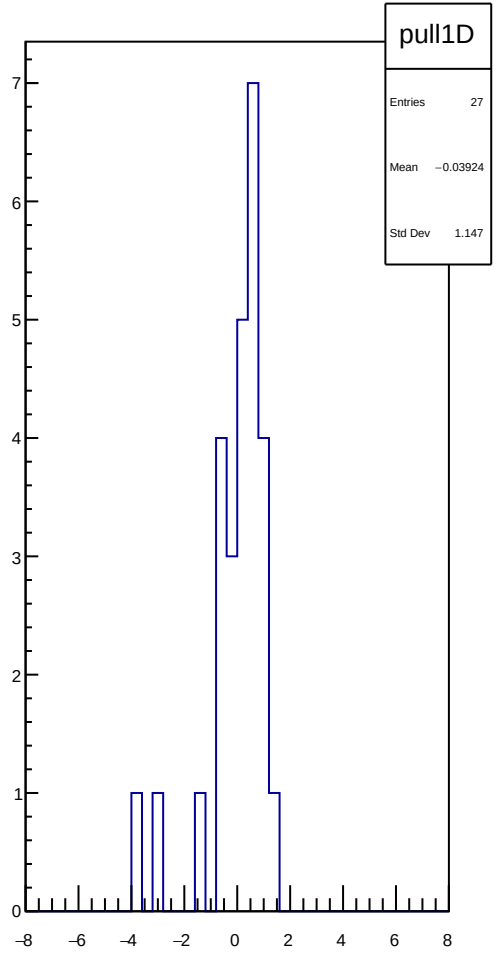

asym_bpm0l08WS_rms vs run
χ² / ndf 2.676e+04 / 26
p0 233.8 ± 0.3339
600
500
400
300
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

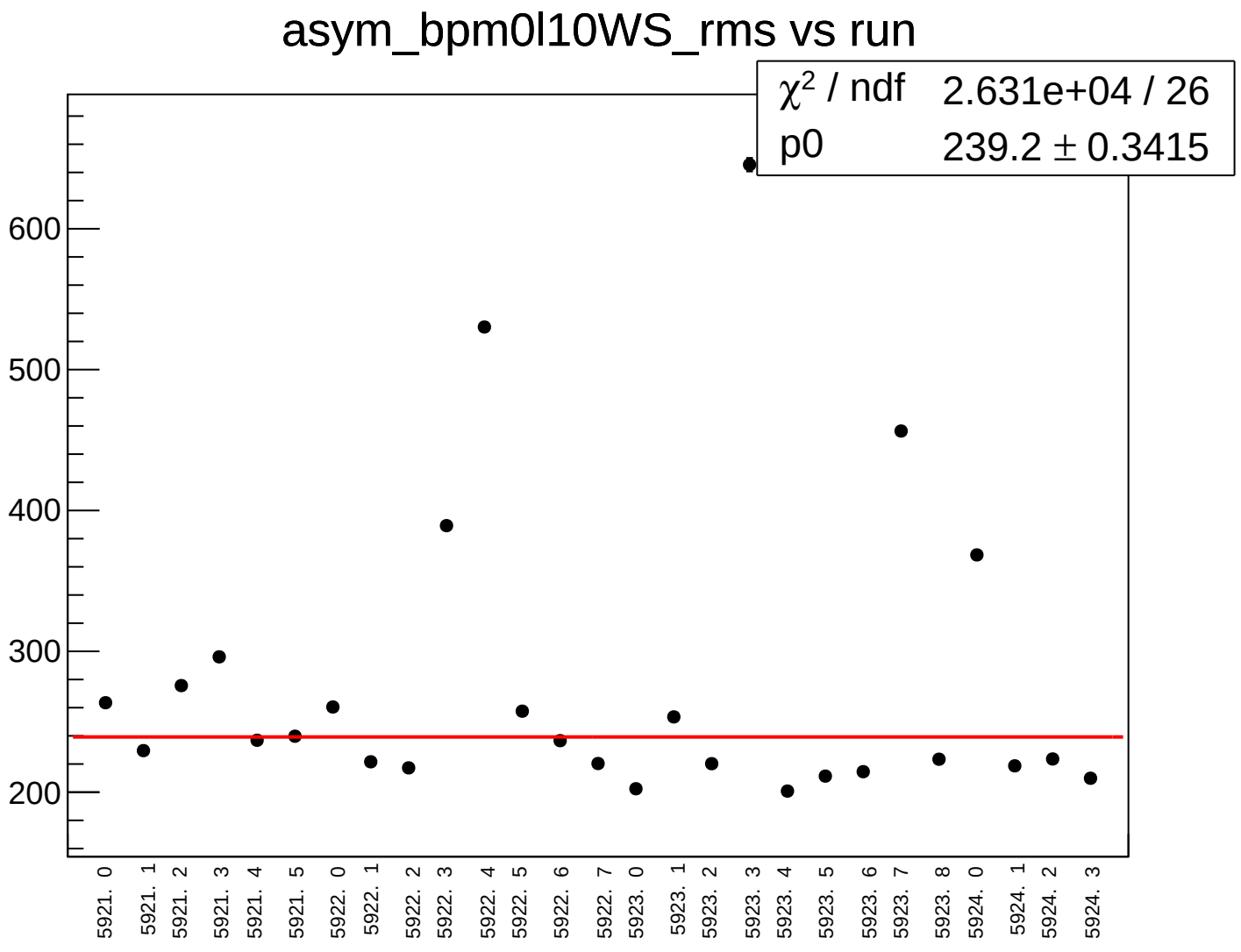

asym_bpm0l09WS_mean vs run
χ² / ndf 37.58 / 26
p0 2396 ± 480.1
10000
5000
0
−5000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −72.65
Std Dev 0
1
0
−1
−2
−3
−4

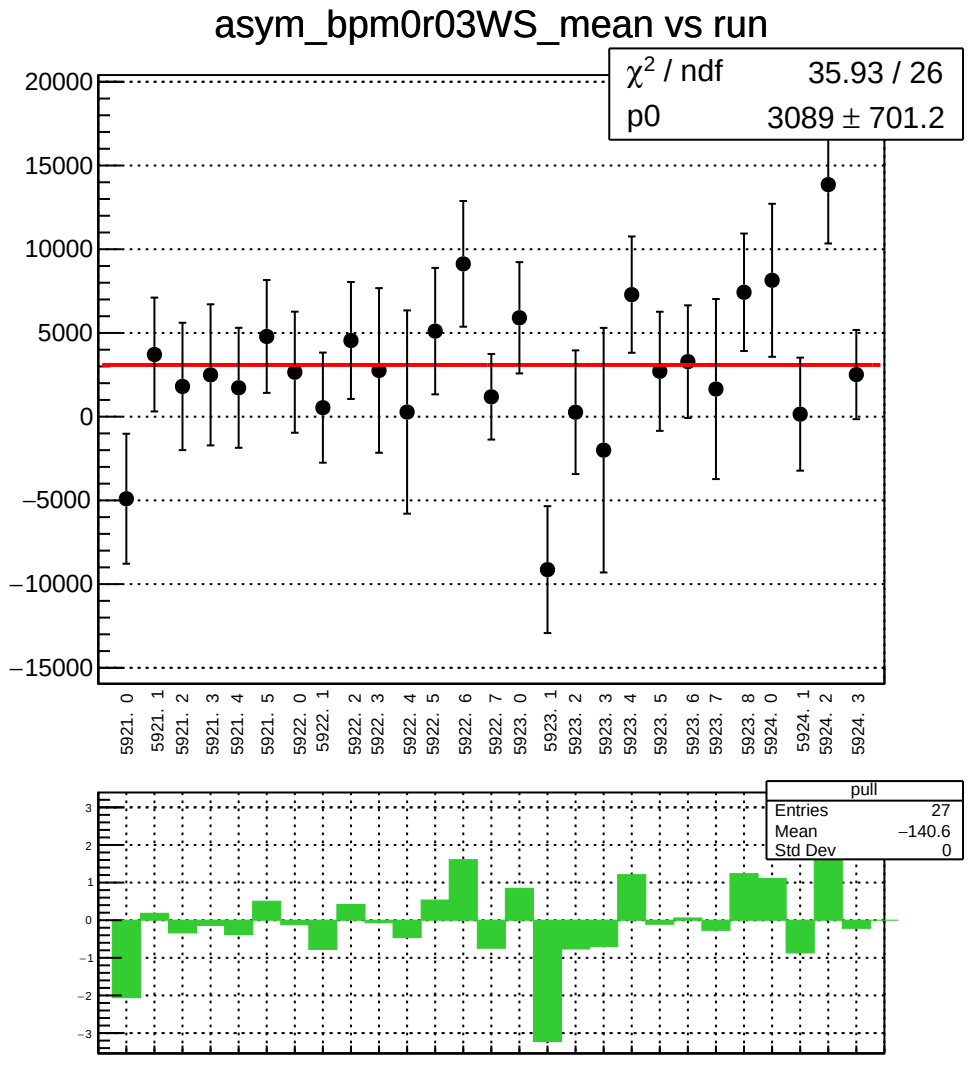

pull1D
Entries 27
Mean −0.02541
Std Dev 1.179
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

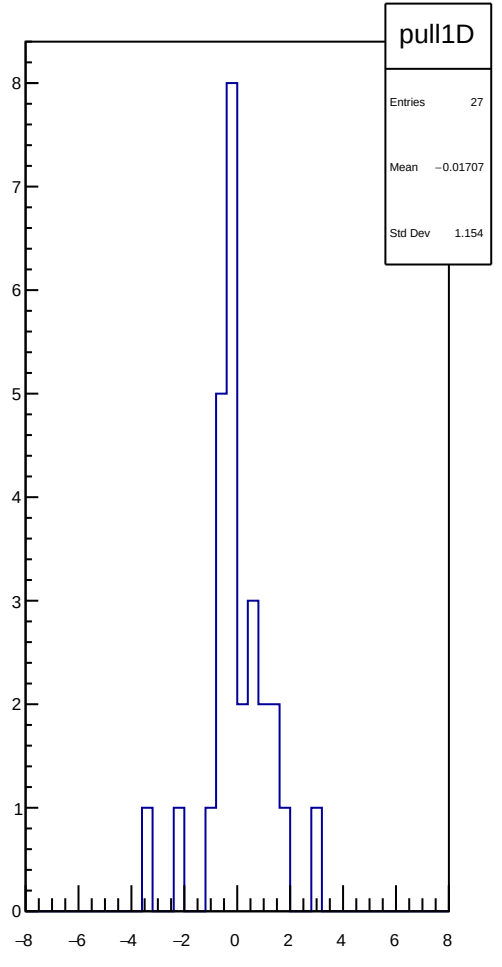

asym_bpm0l09WS_rms vs run
χ² / ndf 2.62e+04 / 26
p0 237.8 ± 0.3394
600
500
400
300
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

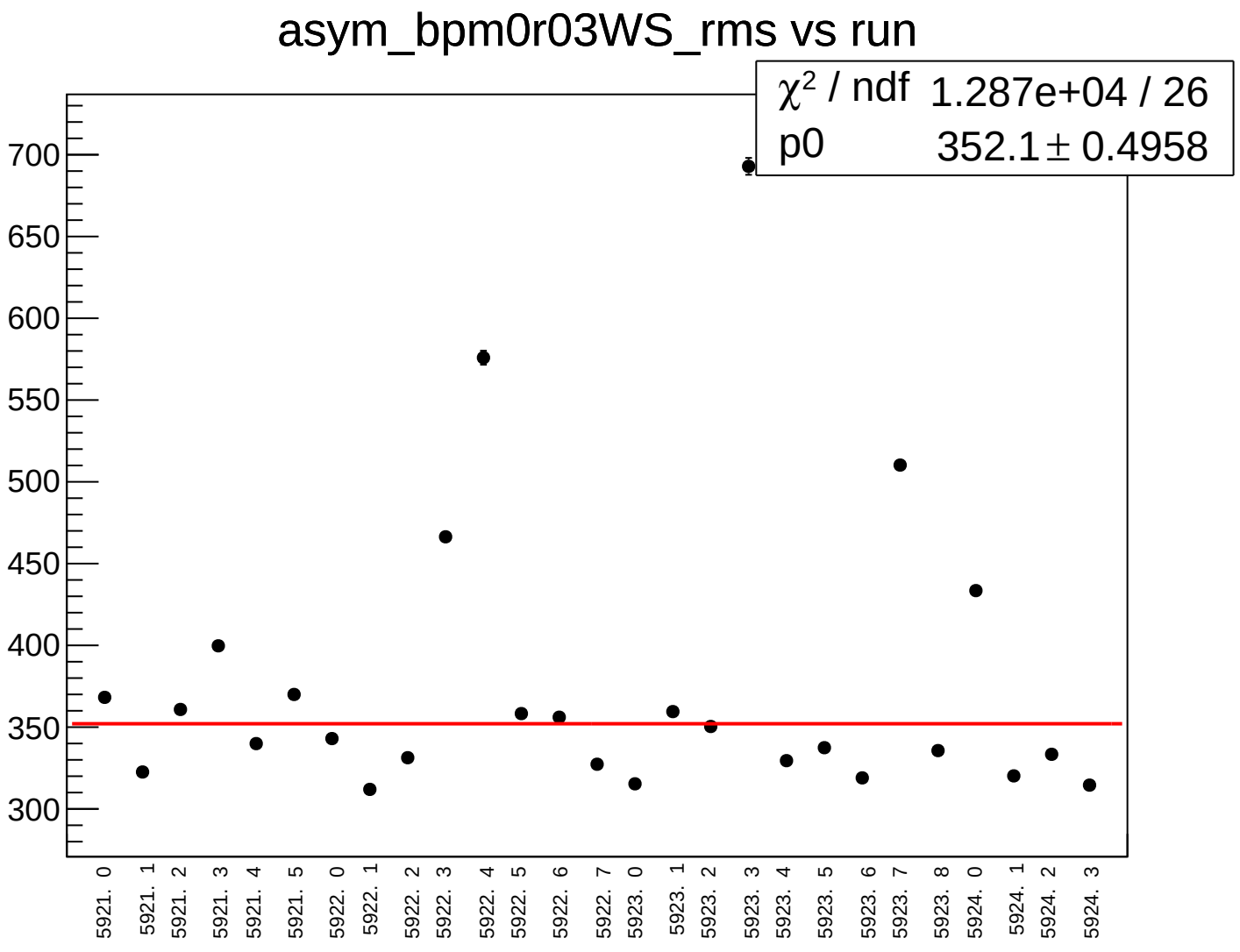

asym_bpm0l10WS_mean vs run
χ² / ndf 35.57 / 26
p0 2527 ± 482.9
10000
5000
0
−5000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −63.71
Std Dev 0
1
0
−1
−2
−3
−4

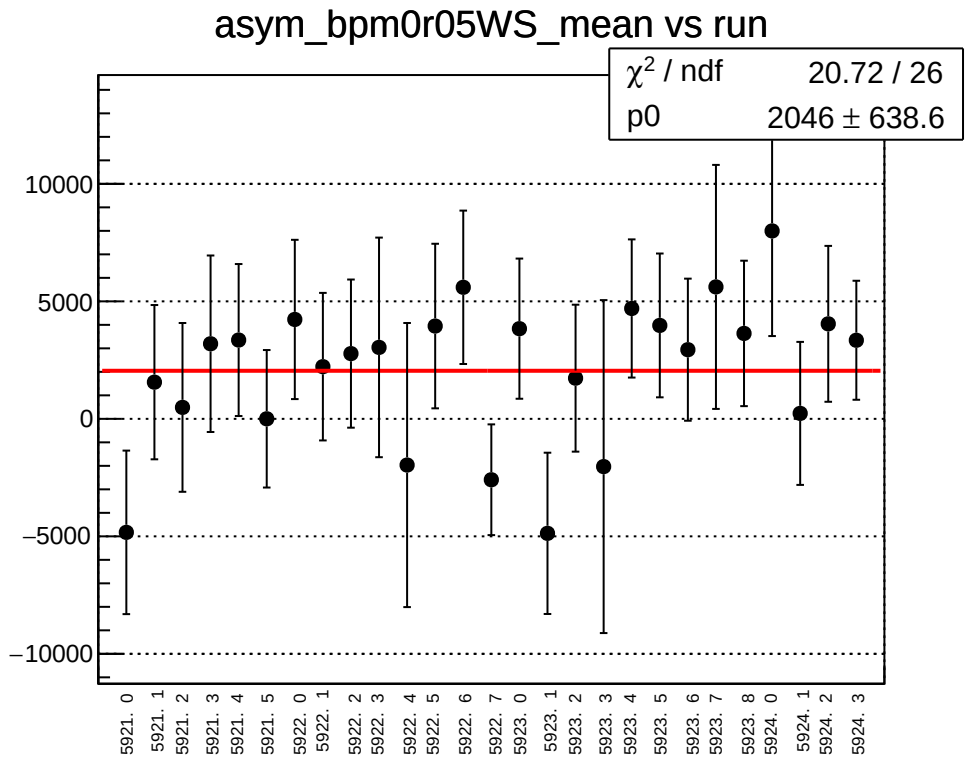

pull1D
Entries 27
Mean −0.03924
Std Dev 1.147
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

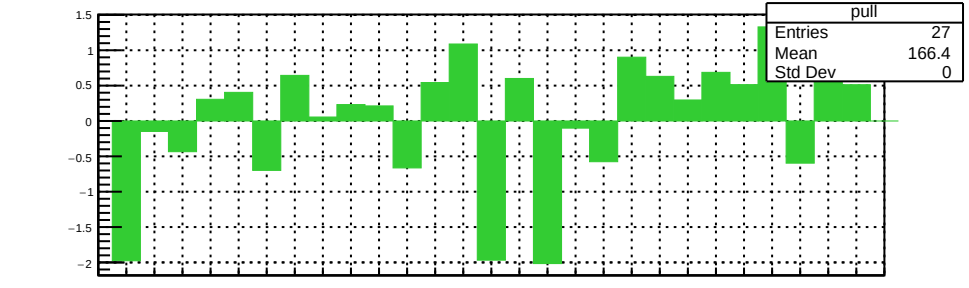

asym_bpm0l10WS_rms vs run
χ² / ndf 2.631e+04 / 26
p0 239.2 ± 0.3415
600
500
400
300
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

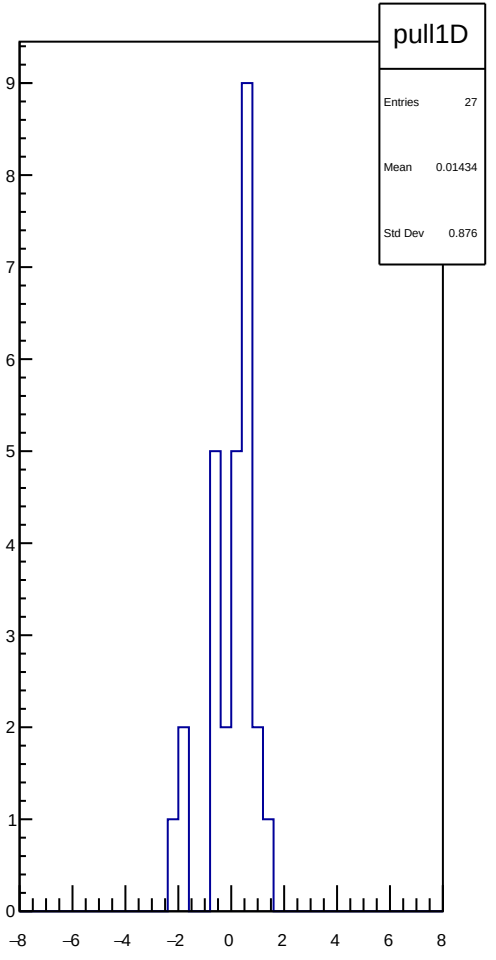

asym_bpm0r03WS_mean vs run
χ² / ndf 35.93 / 26
p0 3089 ± 701.2
20000
15000
10000
5000
0
−5000
−10000
−15000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −140.6
Std Dev 0
3
2
1
0
−1
−2
−3

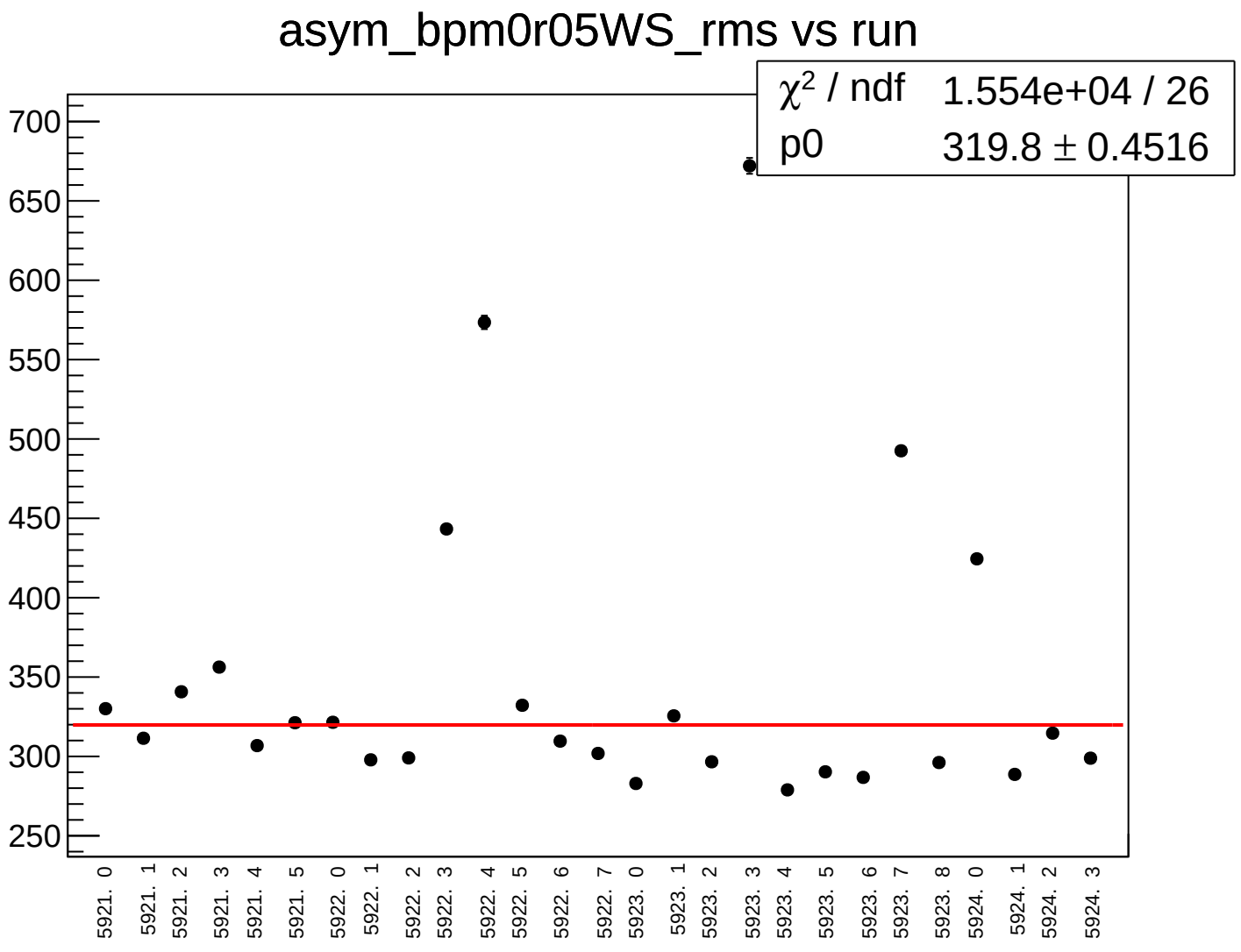

pull1D
Entries 27
Mean −0.01707
Std Dev 1.154
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

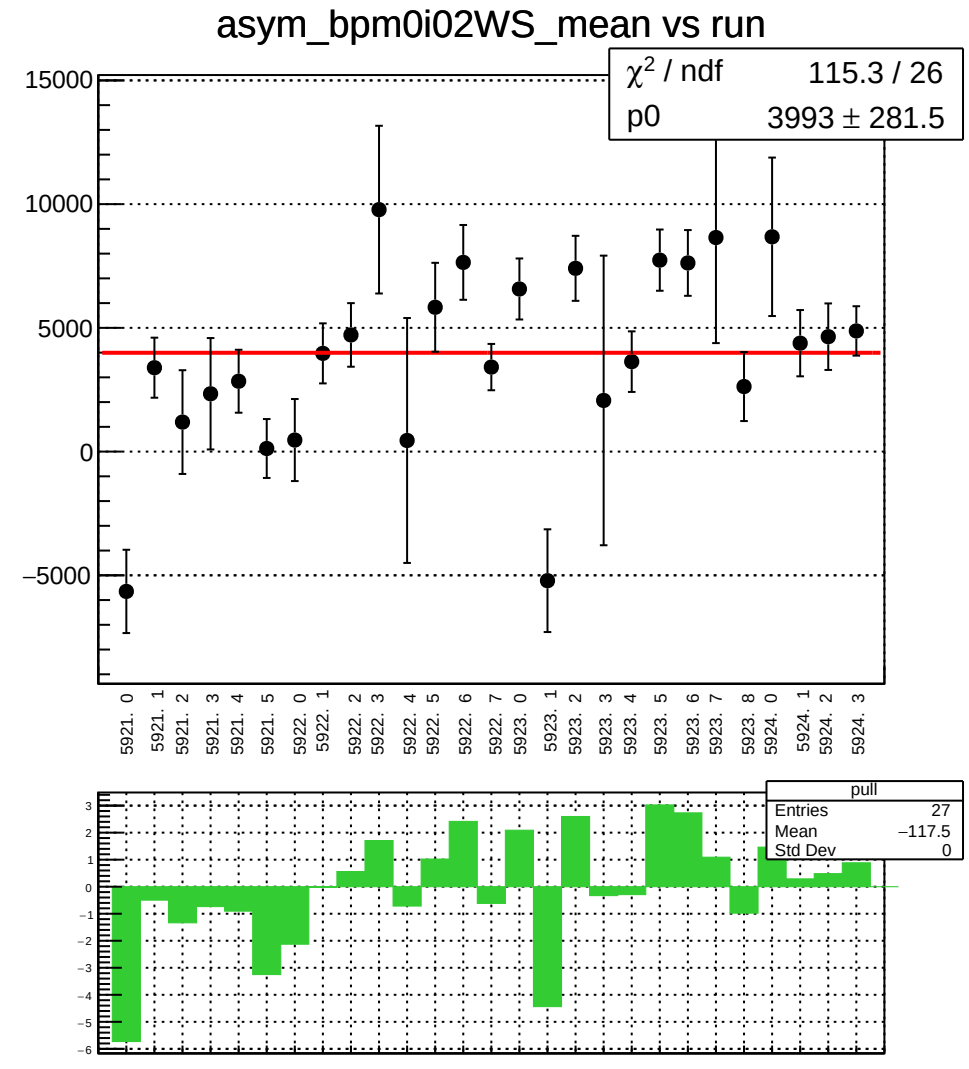

asym_bpm0r03WS_rms vs run
χ² / ndf 1.287e+04 / 26
p0 352.1 ± 0.4958
700
650
600
550
500
450
400
350
300
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

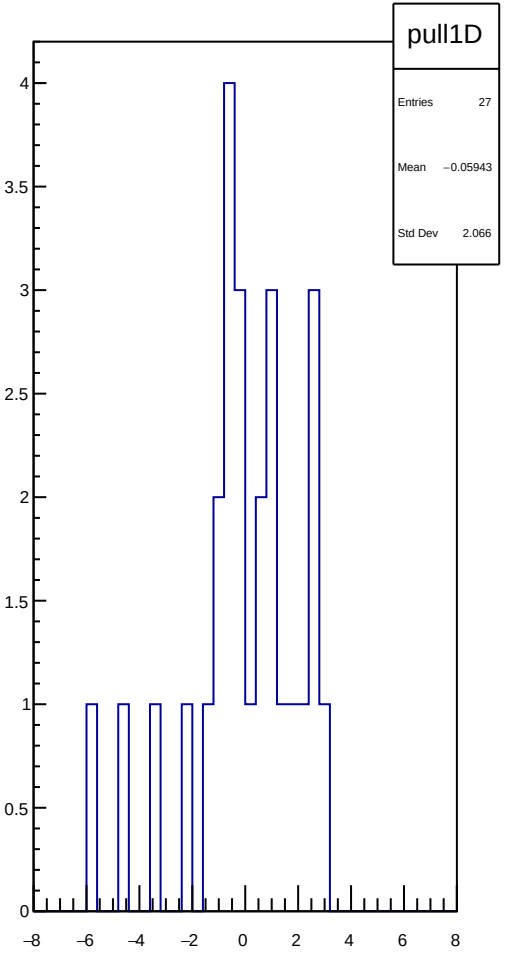

asym_bpm0r05WS_mean vs run
χ² / ndf 20.72 / 26
p0 2046 ± 638.6
10000
5000
0
−5000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

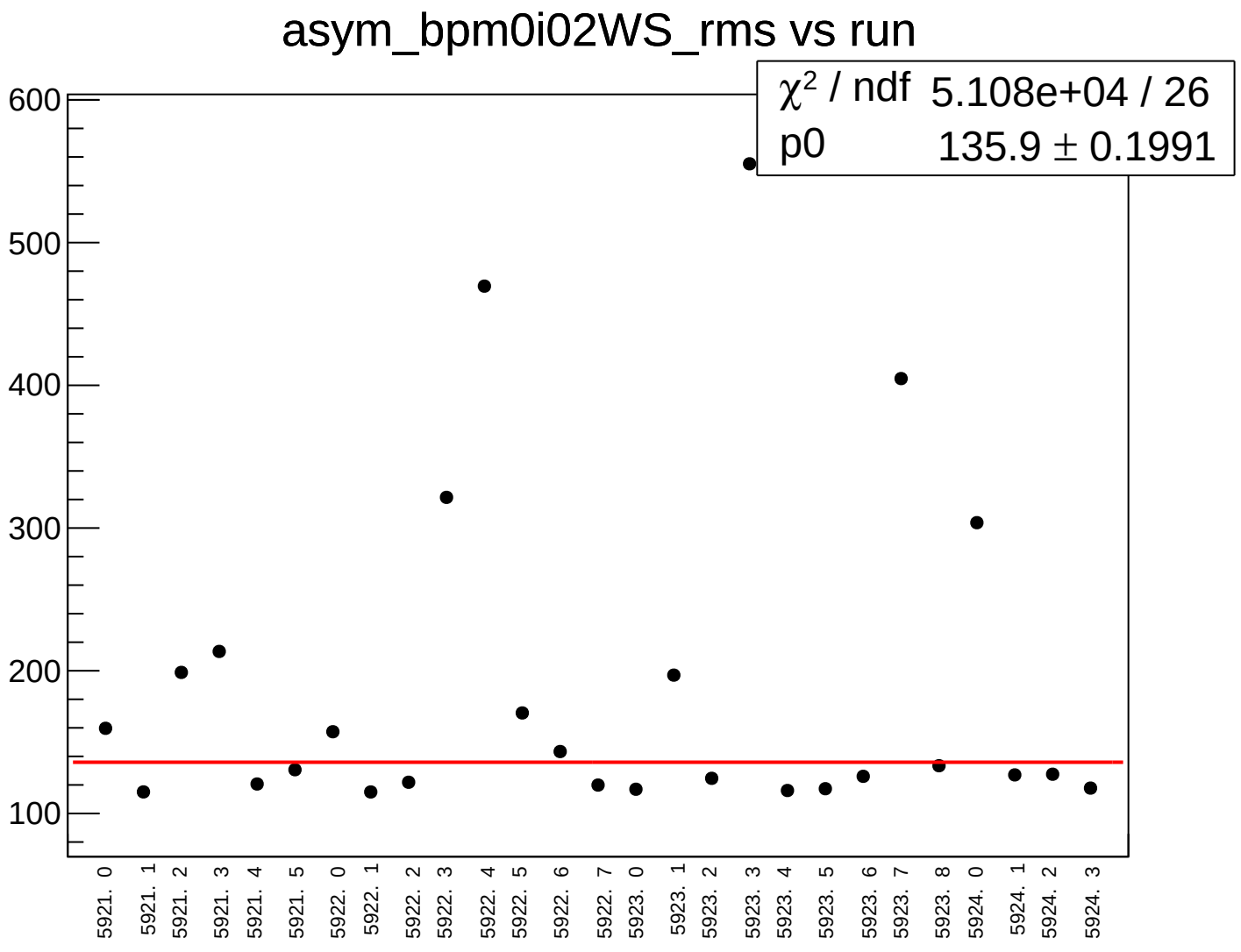

pull
Entries 27
Mean 166.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

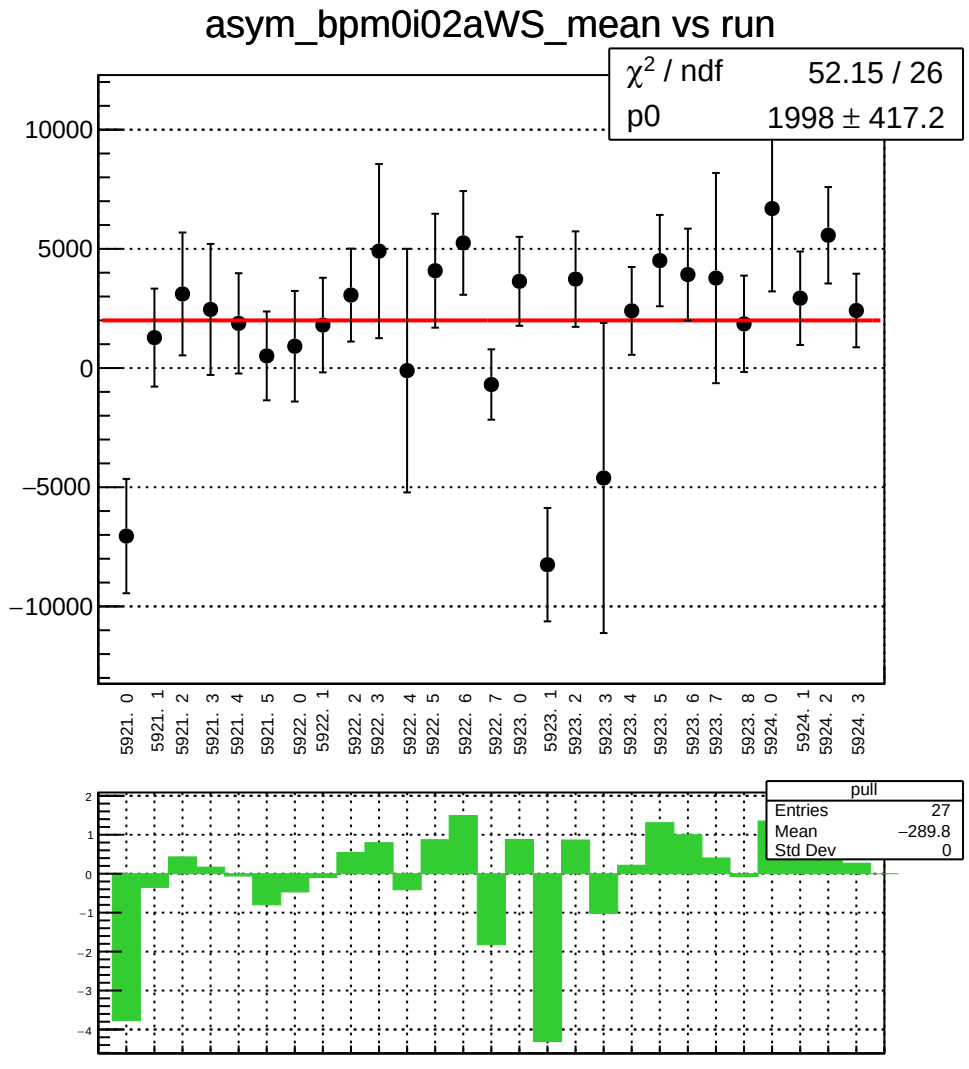

pull1D
Entries 27
Mean 0.01434
Std Dev 0.876
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

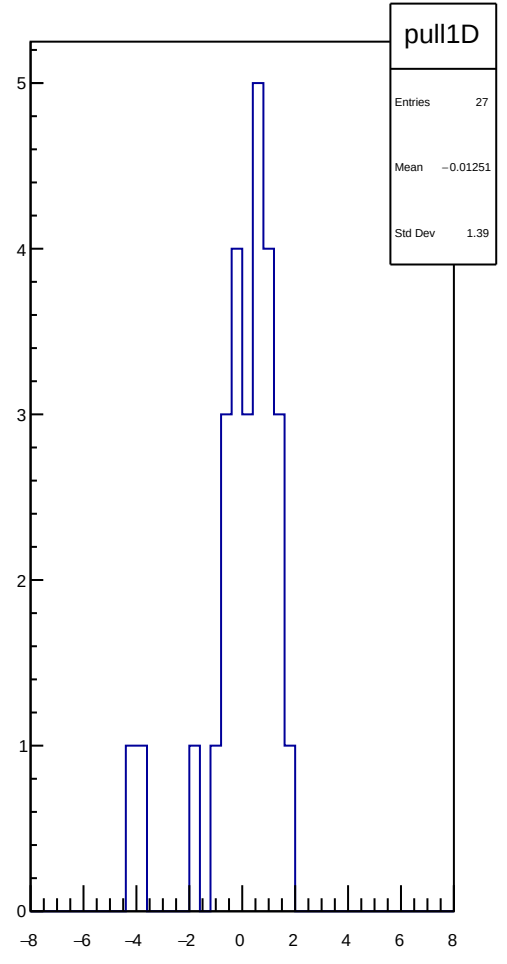

asym_bpm0r05WS_rms vs run
χ² / ndf 1.554e+04 / 26
p0 319.8 ± 0.4516
700
650
600
550
500
450
400
350
300
250
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

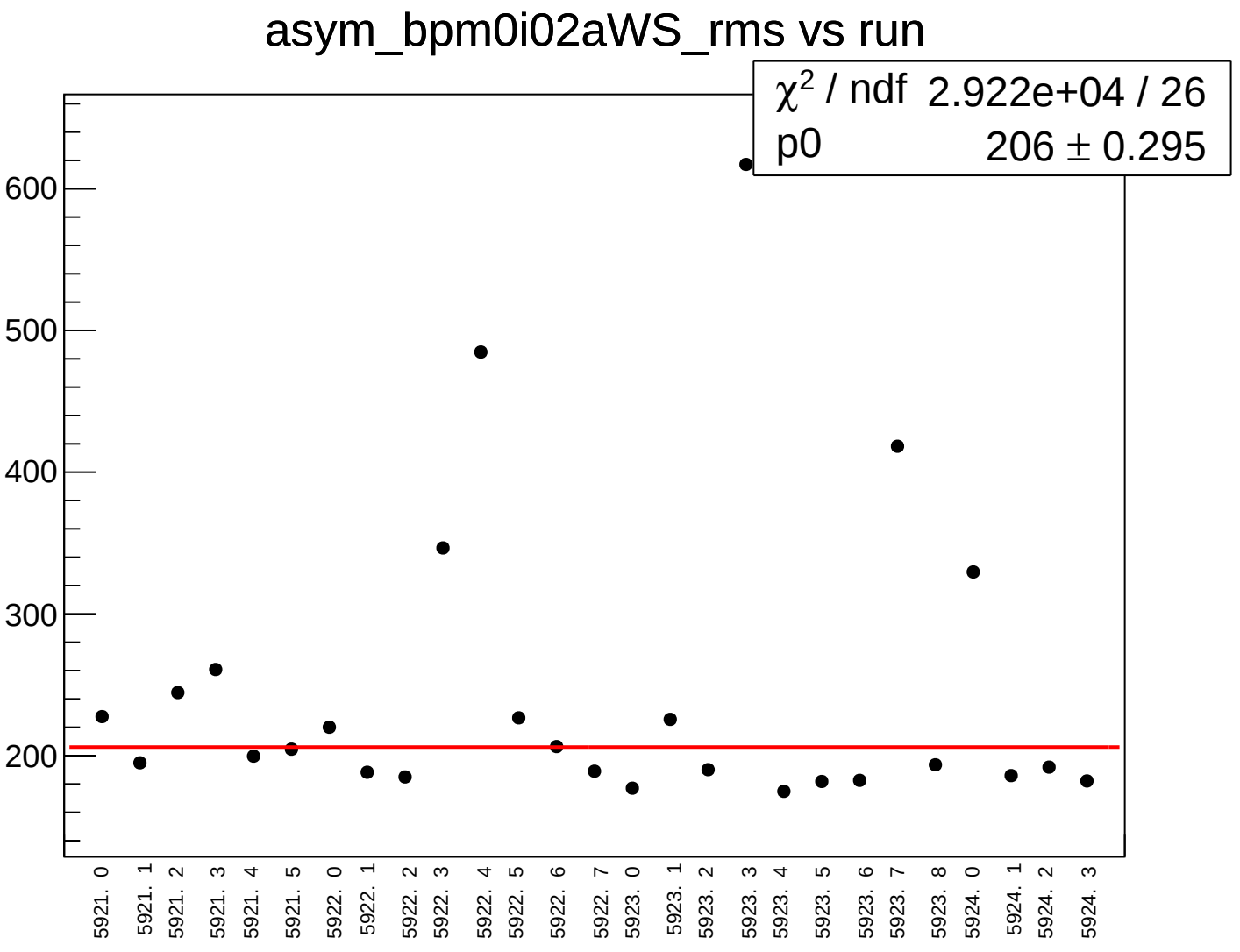

asym_bpm0i02WS_mean vs run
χ² / ndf 115.3 / 26
p0 3993 ± 281.5
15000
10000
5000
0
−5000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −117.5
Std Dev 0
3
2
1
0
−1
−2
−3
−4
−5
−6

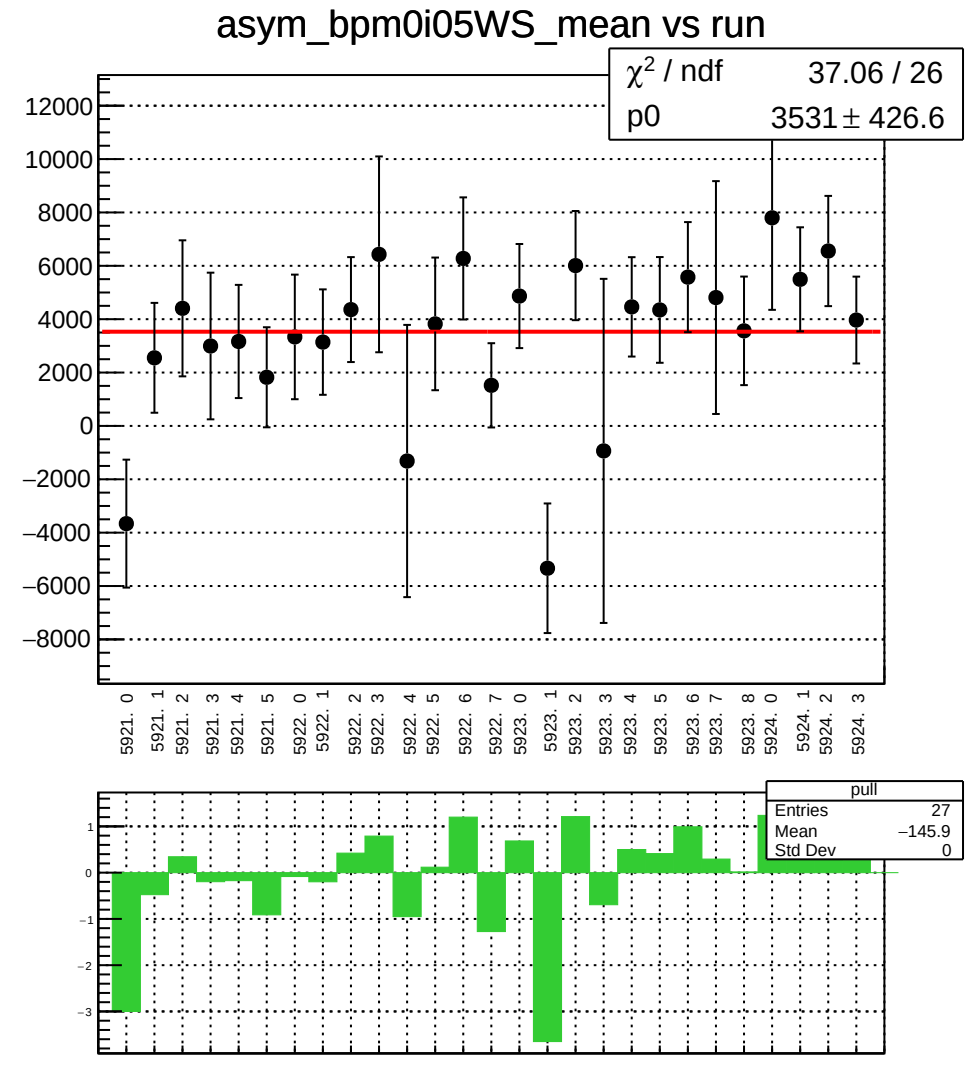

pull1D
Entries 27
Mean −0.05943
Std Dev 2.066
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

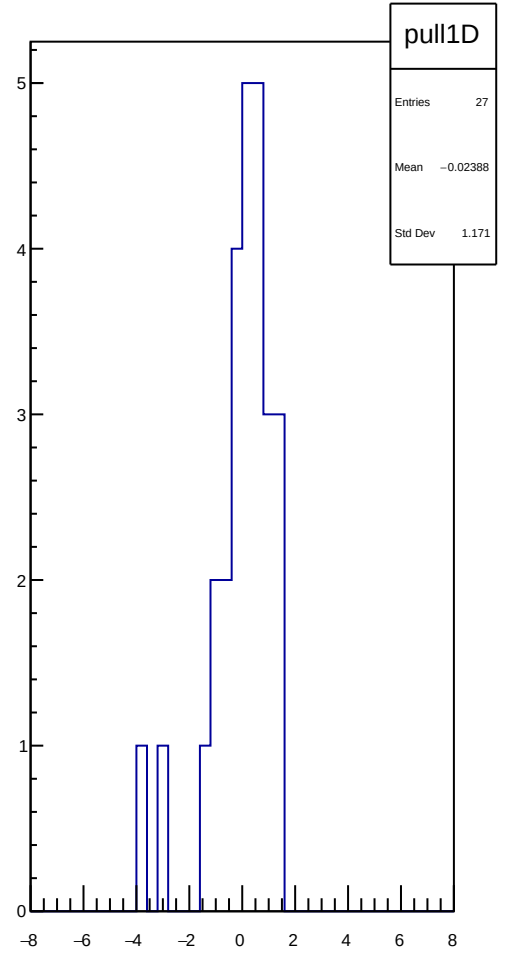

asym_bpm0i02WS_rms vs run
χ² / ndf 5.108e+04 / 26
p0 135.9 ± 0.1991
600
500
400
300
200
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

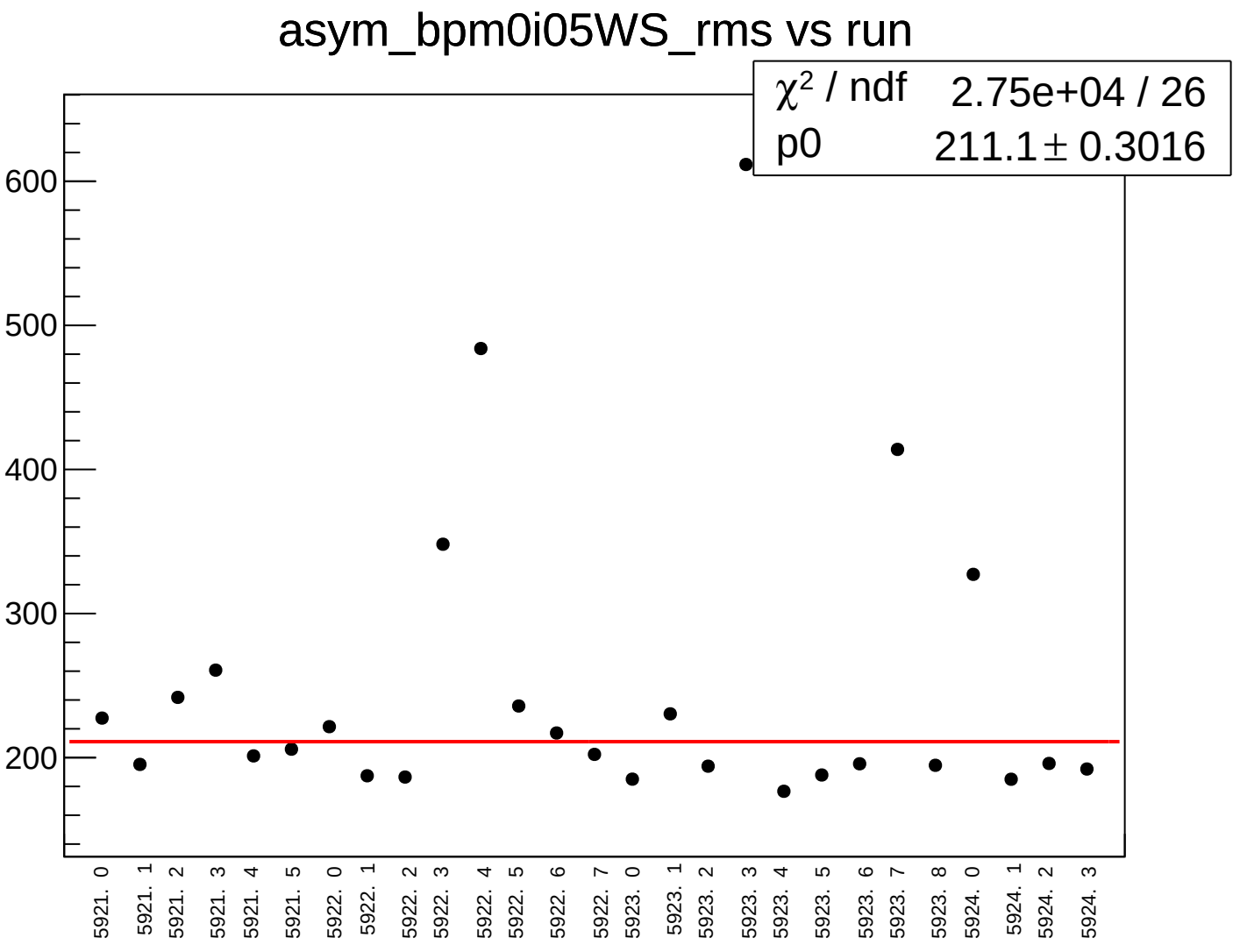

asym_bpm0i02aWS_mean vs run
χ² / ndf 52.15 / 26
p0 1998 ± 417.2
10000
5000
0
−5000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −289.8
Std Dev 0
2
1
0
−1
−2
−3
−4

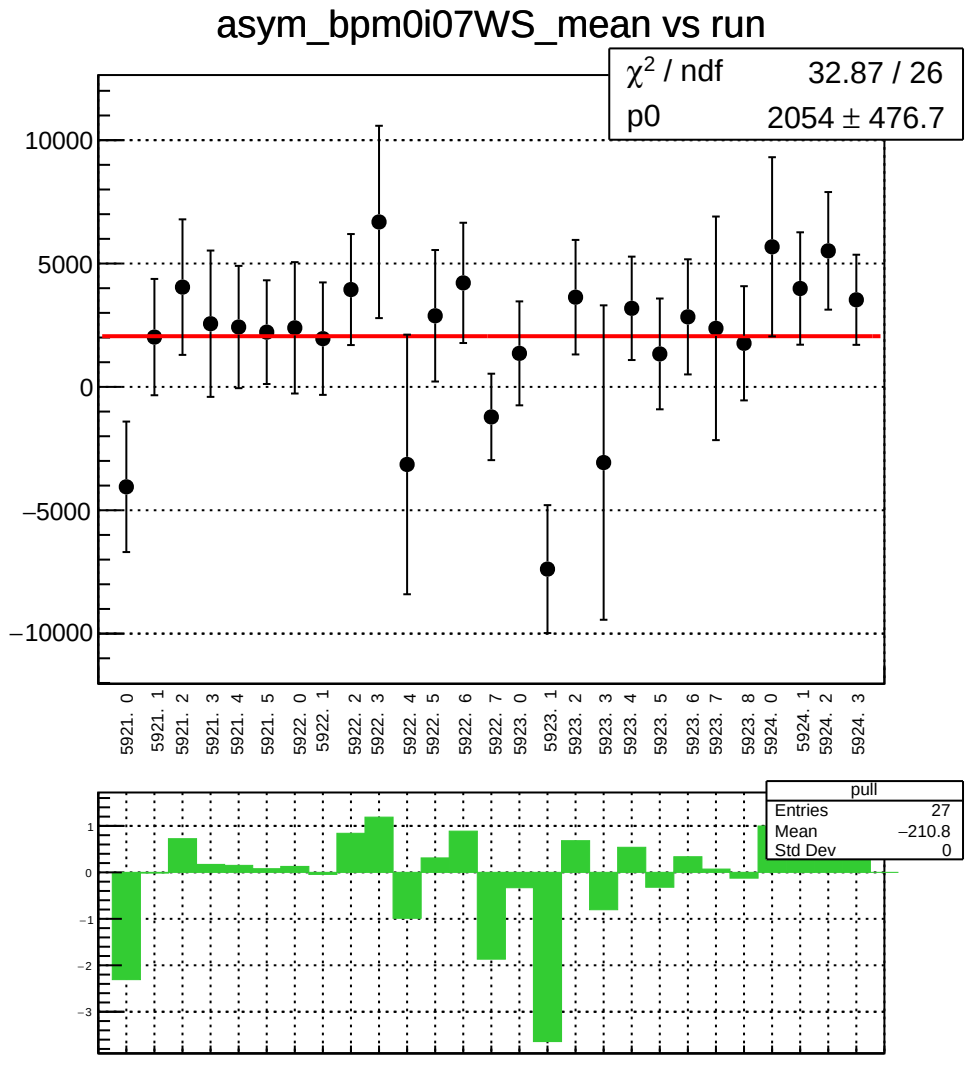

pull1D
Entries 27
Mean −0.01251
Std Dev 1.39
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

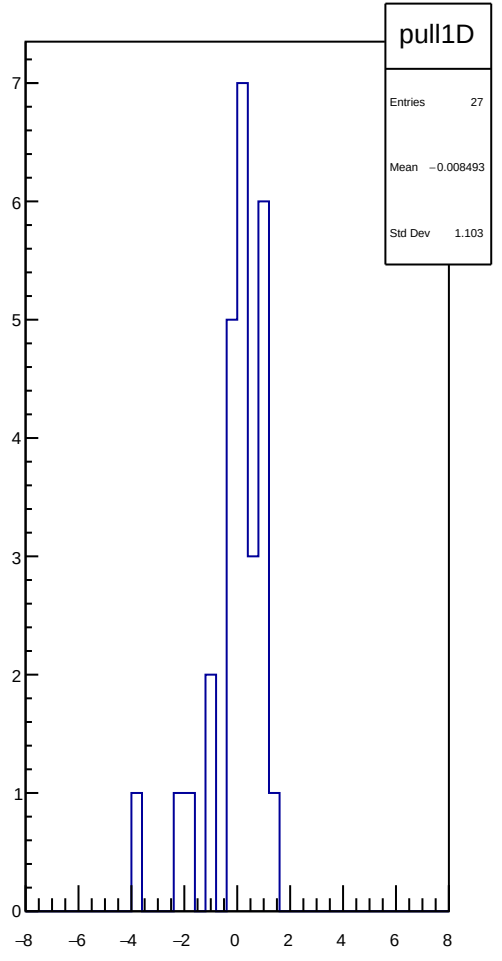

asym_bpm0i02aWS_rms vs run
χ² / ndf 2.922e+04 / 26
p0 206 ± 0.295
600
500
400
300
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

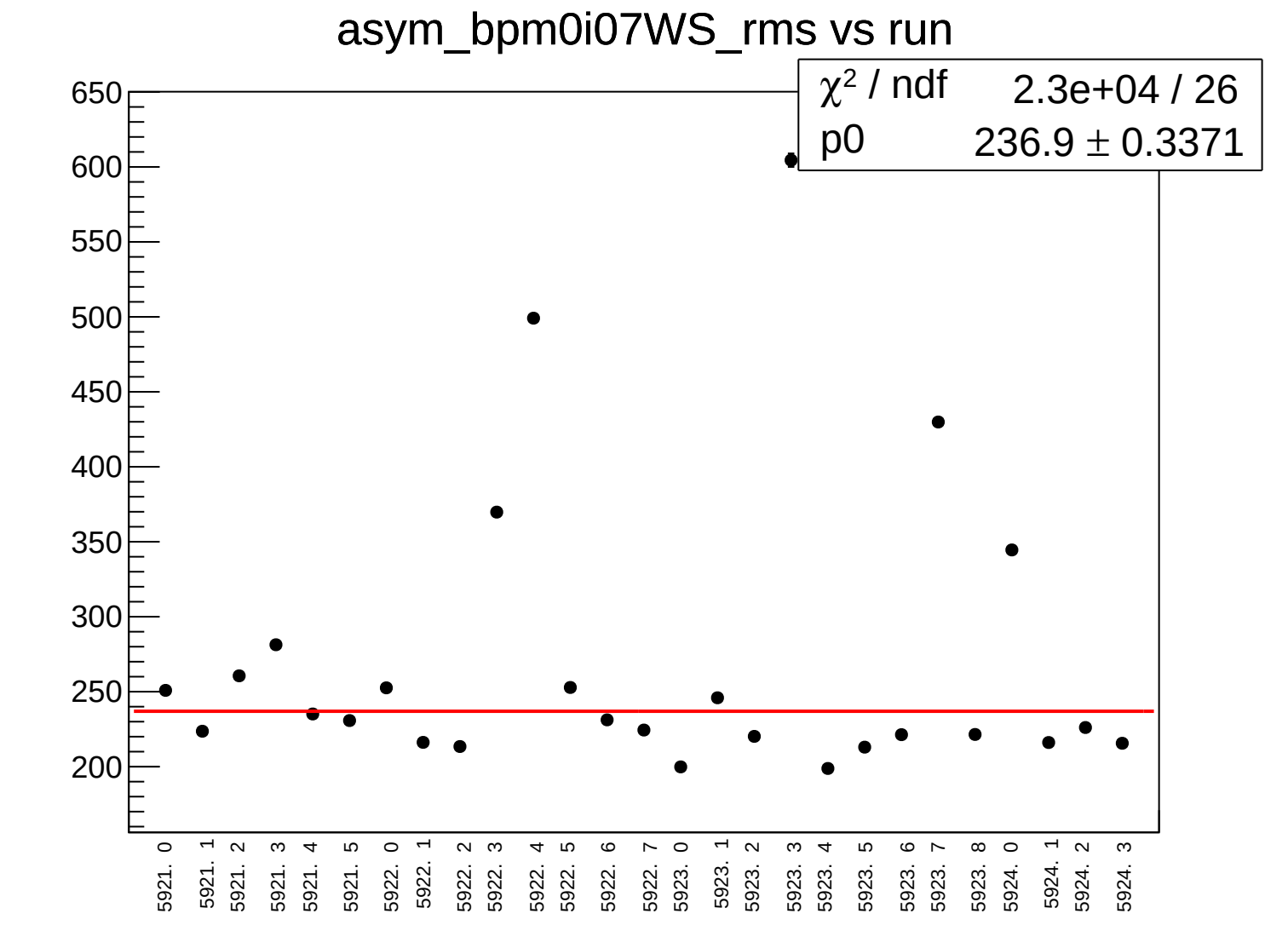

asym_bpm0i05WS_mean vs run
χ² / ndf 37.06 / 26
p0 3531 ± 426.6
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −145.9
Std Dev 0
1
0
−1
−2
−3

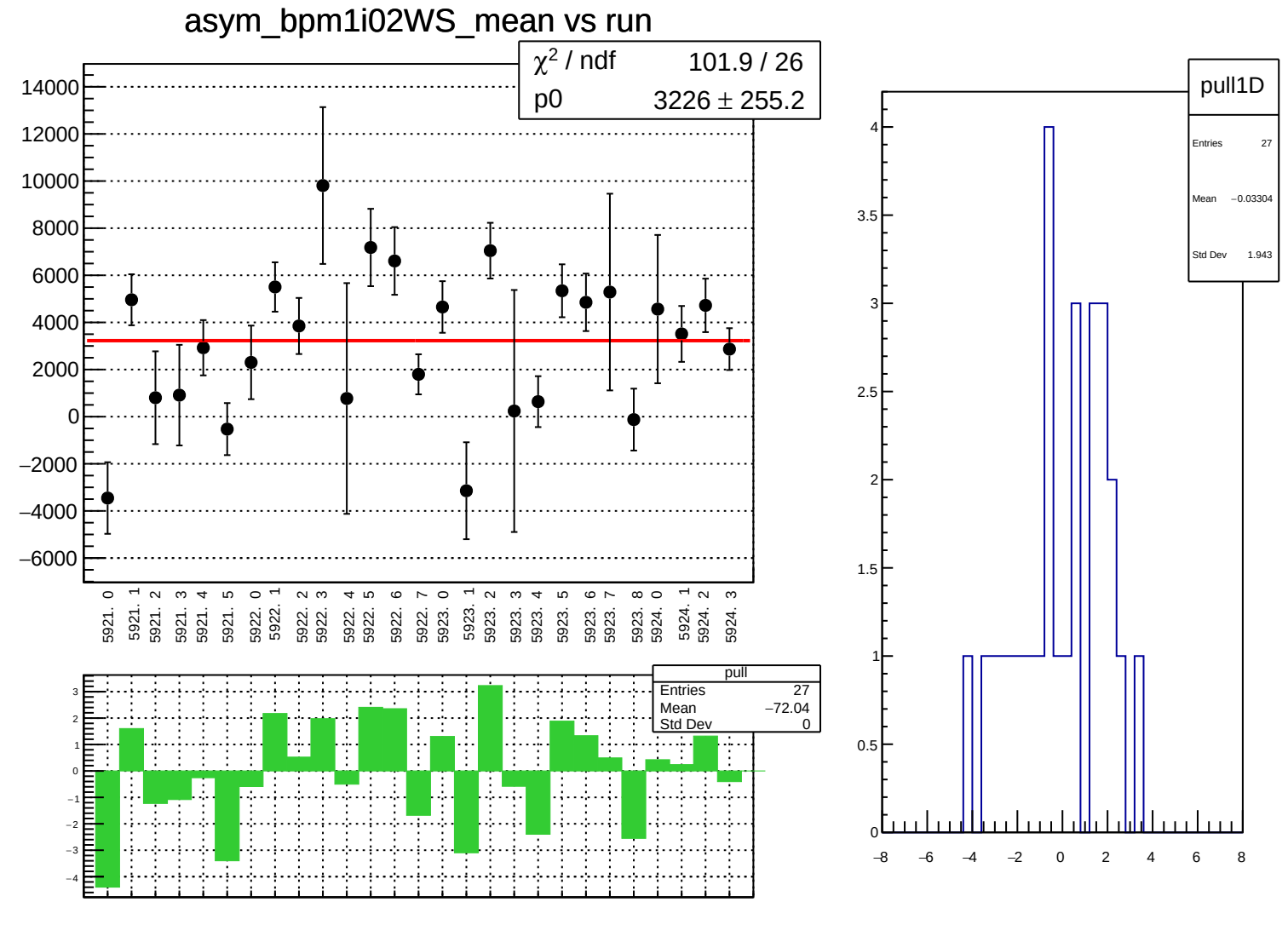

pull1D
Entries 27
Mean −0.02388
Std Dev 1.171
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

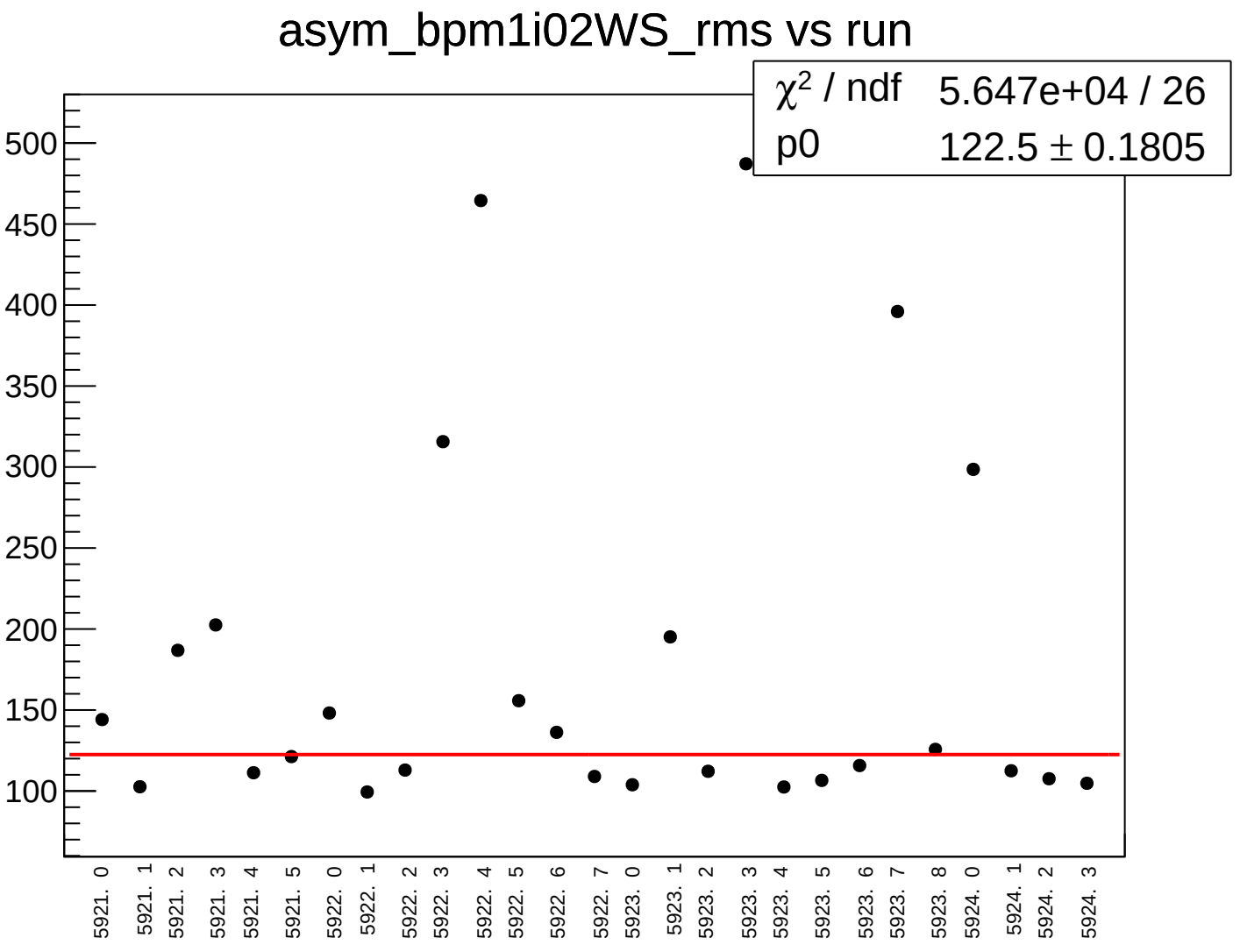

asym_bpm0i05WS_rms vs run
χ² / ndf 2.75e+04 / 26
p0 211.1 ± 0.3016
600
500
400
300
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

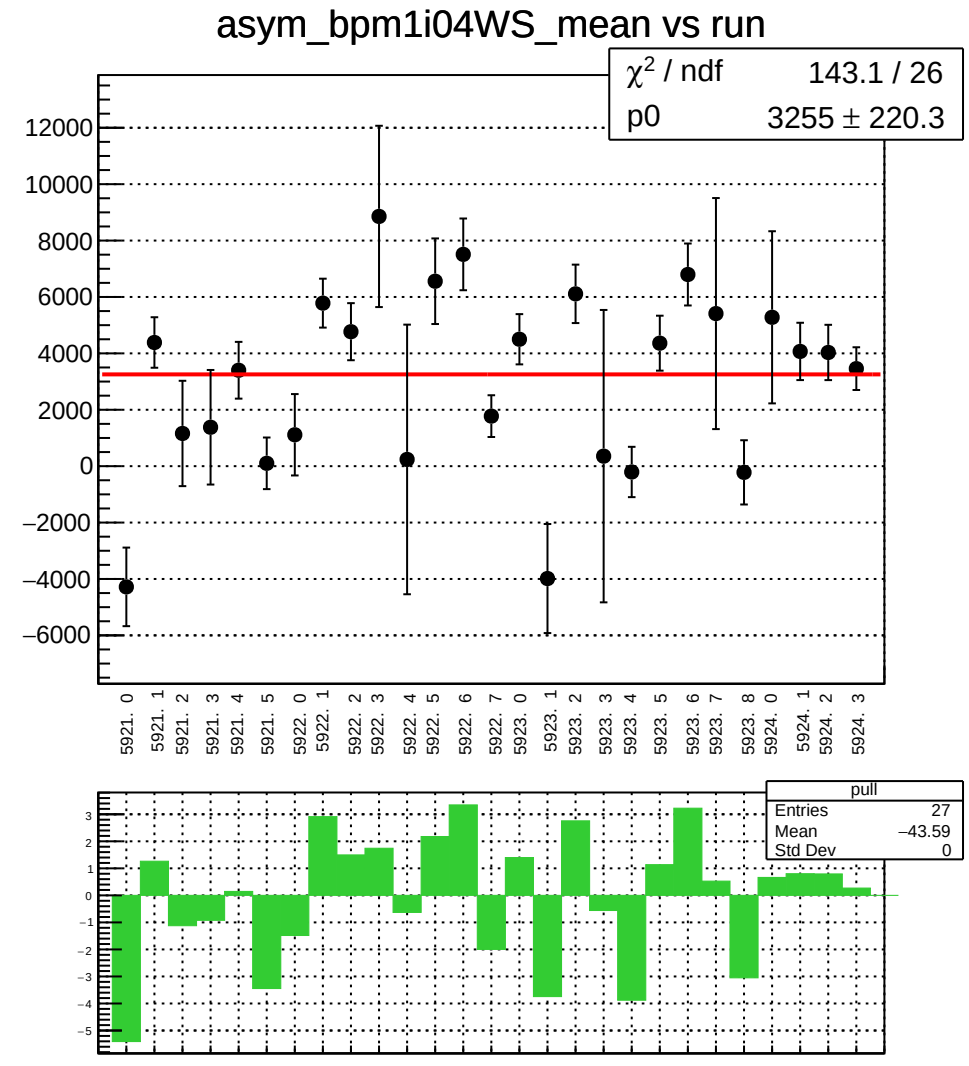

asym_bpm0i07WS_mean vs run
χ² / ndf 32.87 / 26
p0 2054 ± 476.7
10000
5000
0
−5000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −210.8
Std Dev 0
1
0
−1
−2
−3

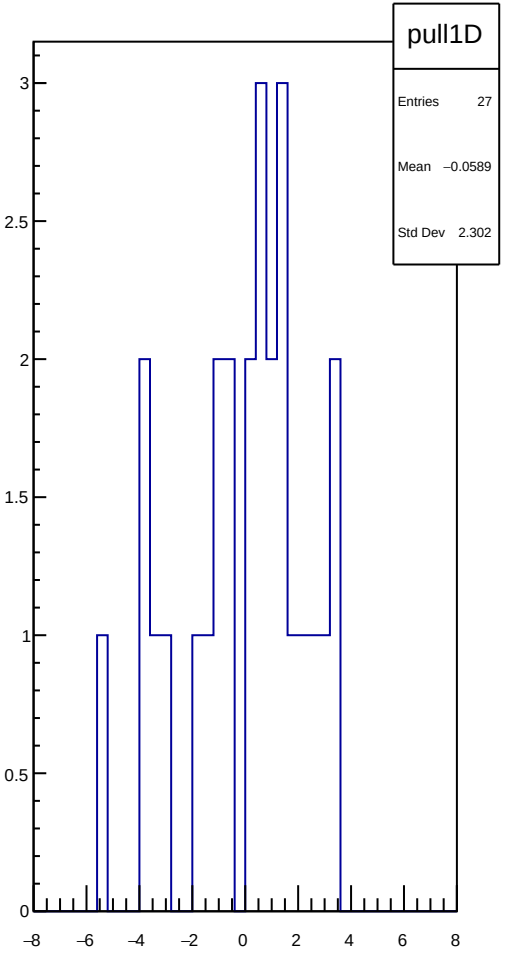

pull1D
Entries 27
Mean −0.008493
Std Dev 1.103
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

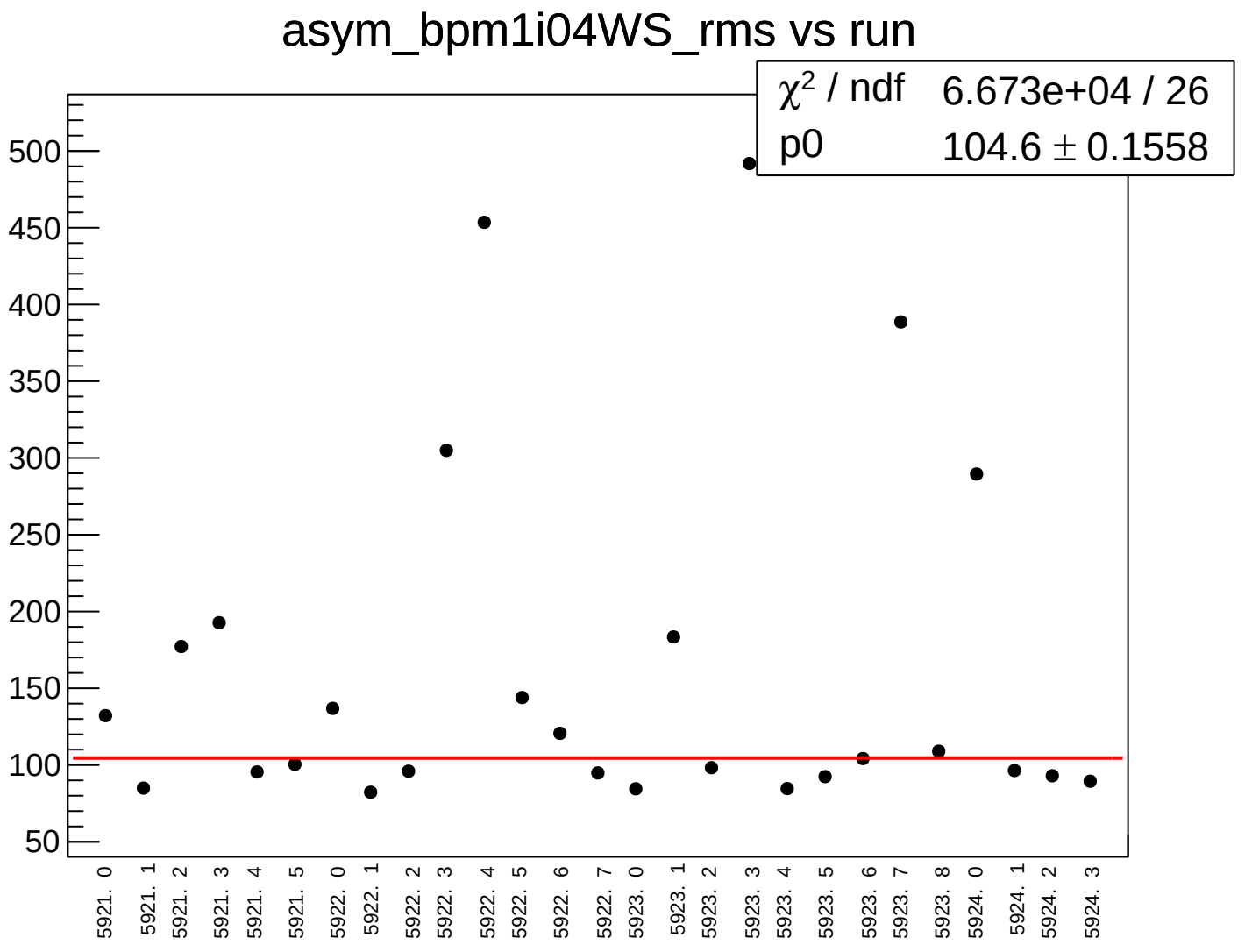

asym_bpm0i07WS_rms vs run
χ² / ndf 2.3e+04 / 26
p0 236.9 ± 0.3371
650
600
550
500
450
400
350
300
250
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

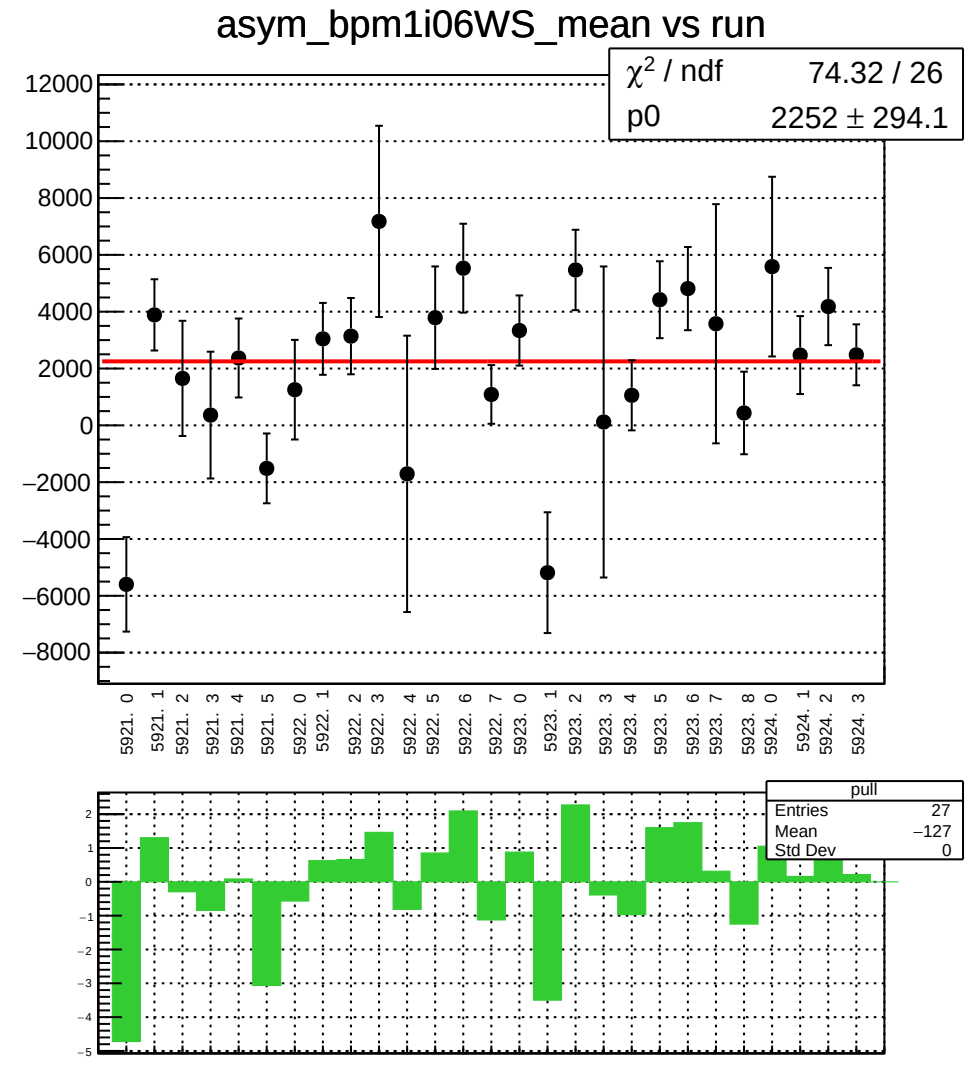

asym_bpm1i02WS_mean vs run
χ² / ndf 101.9 / 26
p0 3226 ± 255.2
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −72.04
Std Dev 0
3
2
1
0
−1
−2
−3
−4
pull1D
Entries 27
Mean −0.03304
Std Dev 1.943
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

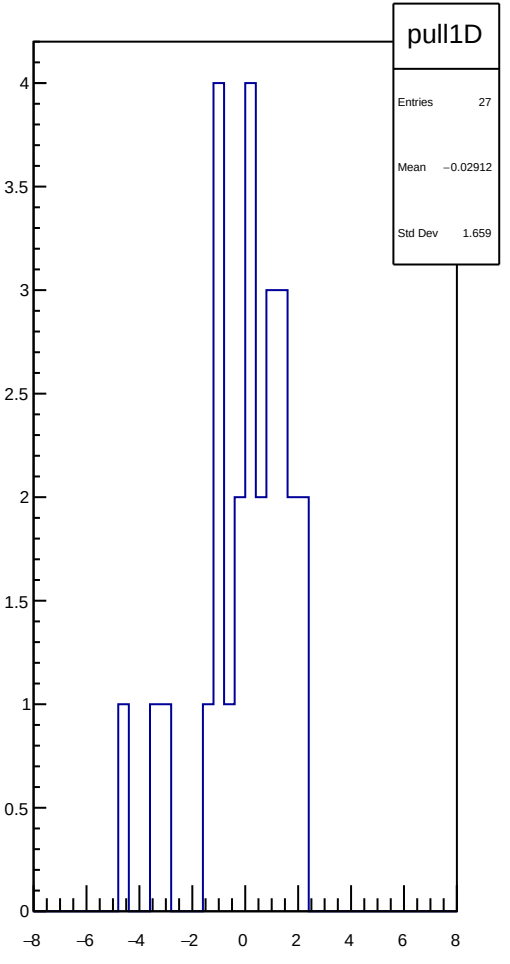

asym_bpm1i02WS_rms vs run
χ² / ndf 5.647e+04 / 26
p0 122.5 ± 0.1805
500
450
400
350
300
250
200
150
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

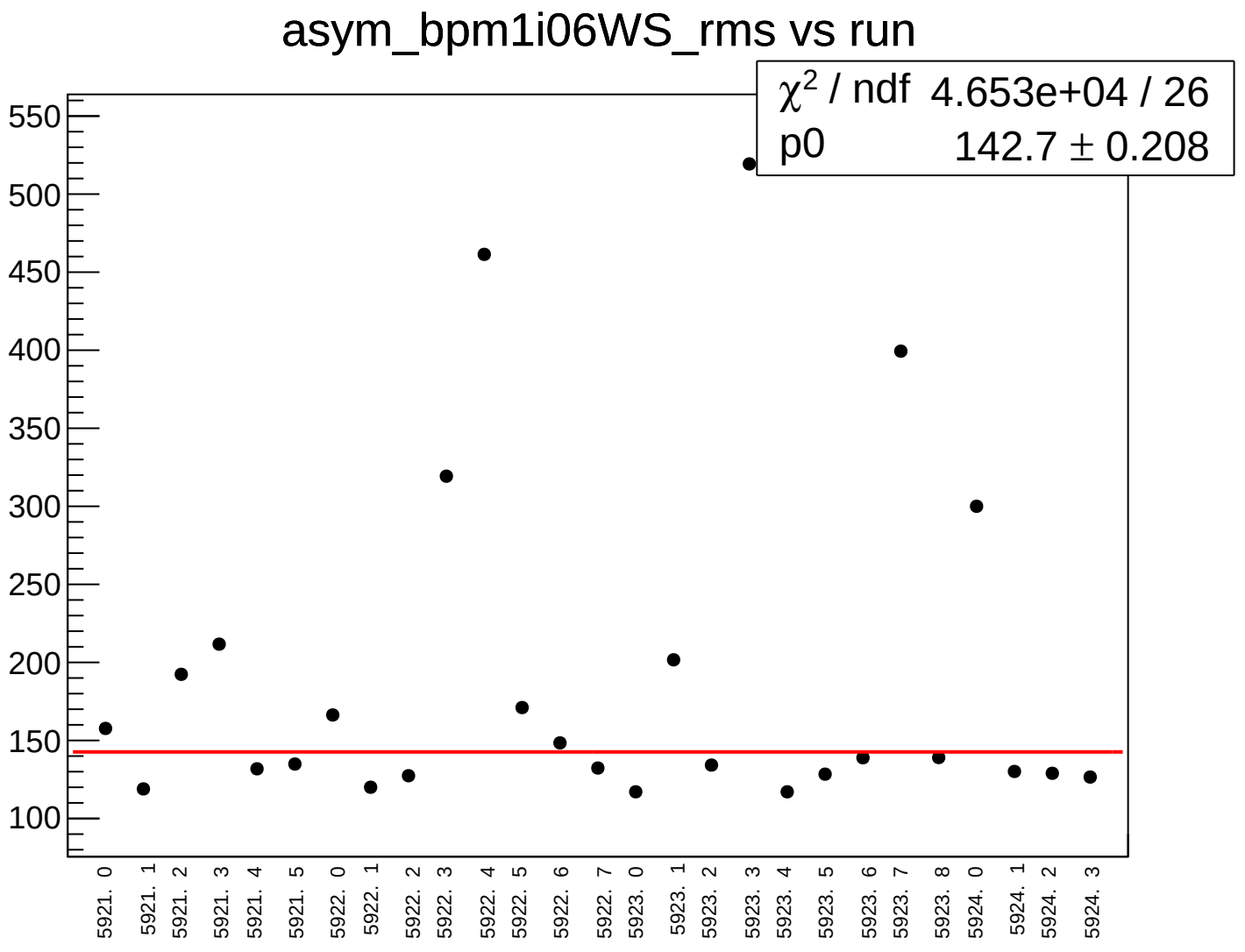

asym_bpm1i04WS_mean vs run
χ² / ndf 143.1 / 26
p0 3255 ± 220.3
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −43.59
Std Dev 0
3
2
1
0
−1
−2
−3
−4
−5

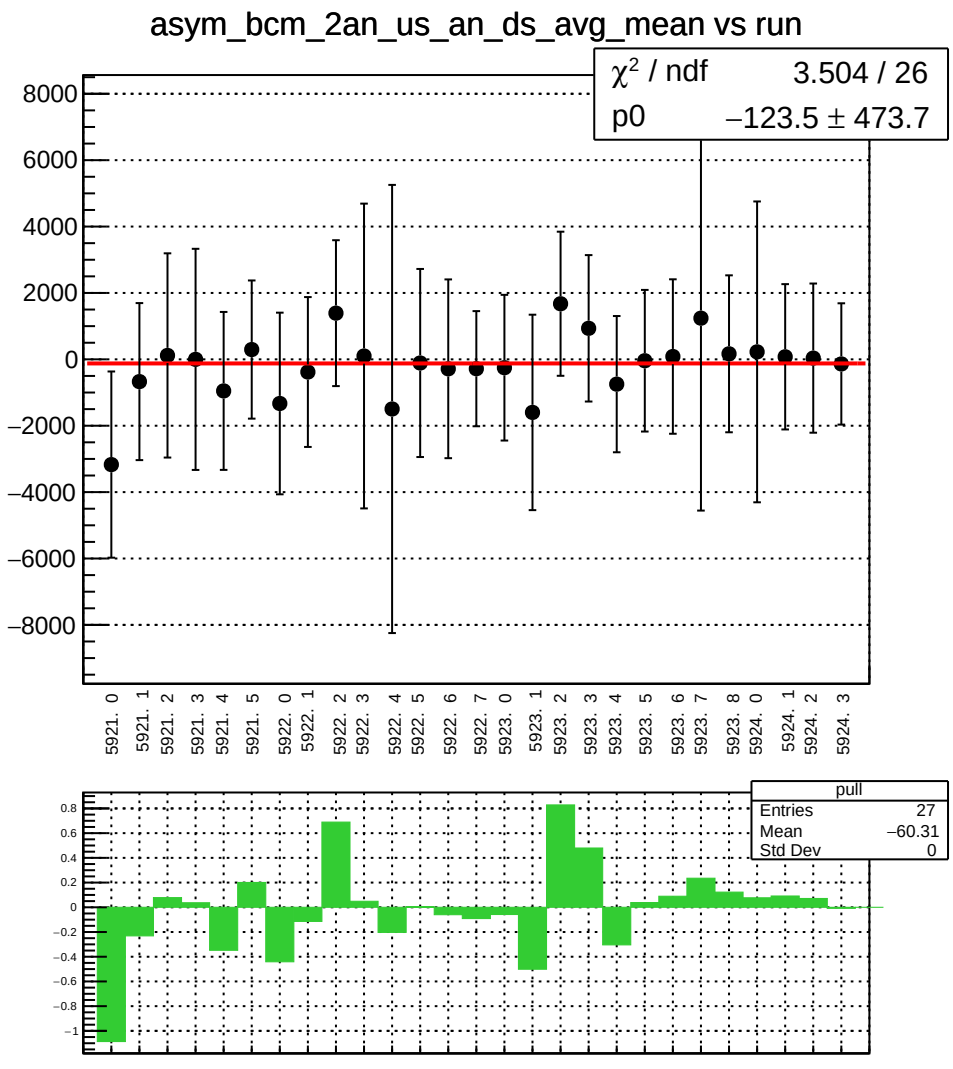

pull1D
Entries 27
Mean −0.0589
Std Dev 2.302
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

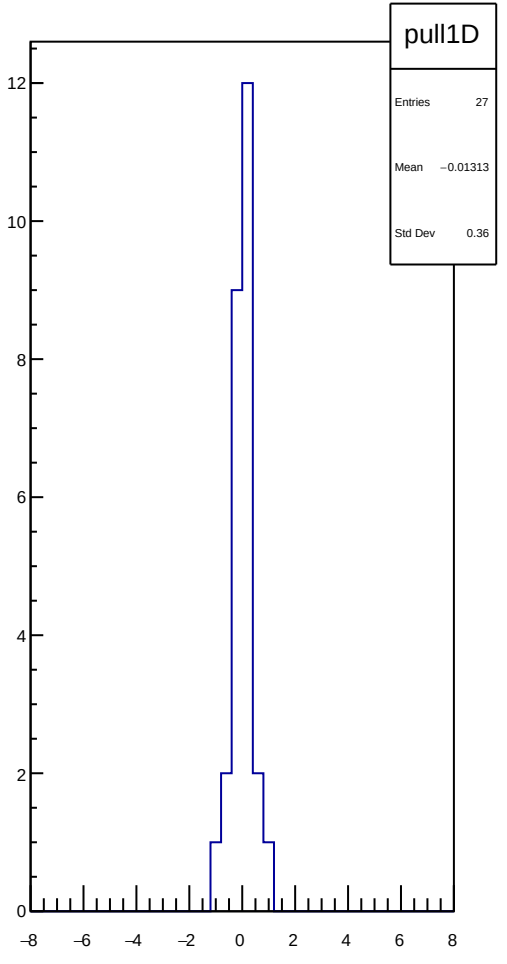

asym_bpm1i04WS_rms vs run
χ² / ndf 6.673e+04 / 26
p0 104.6 ± 0.1558
500
450
400
350
300
250
200
150
100
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

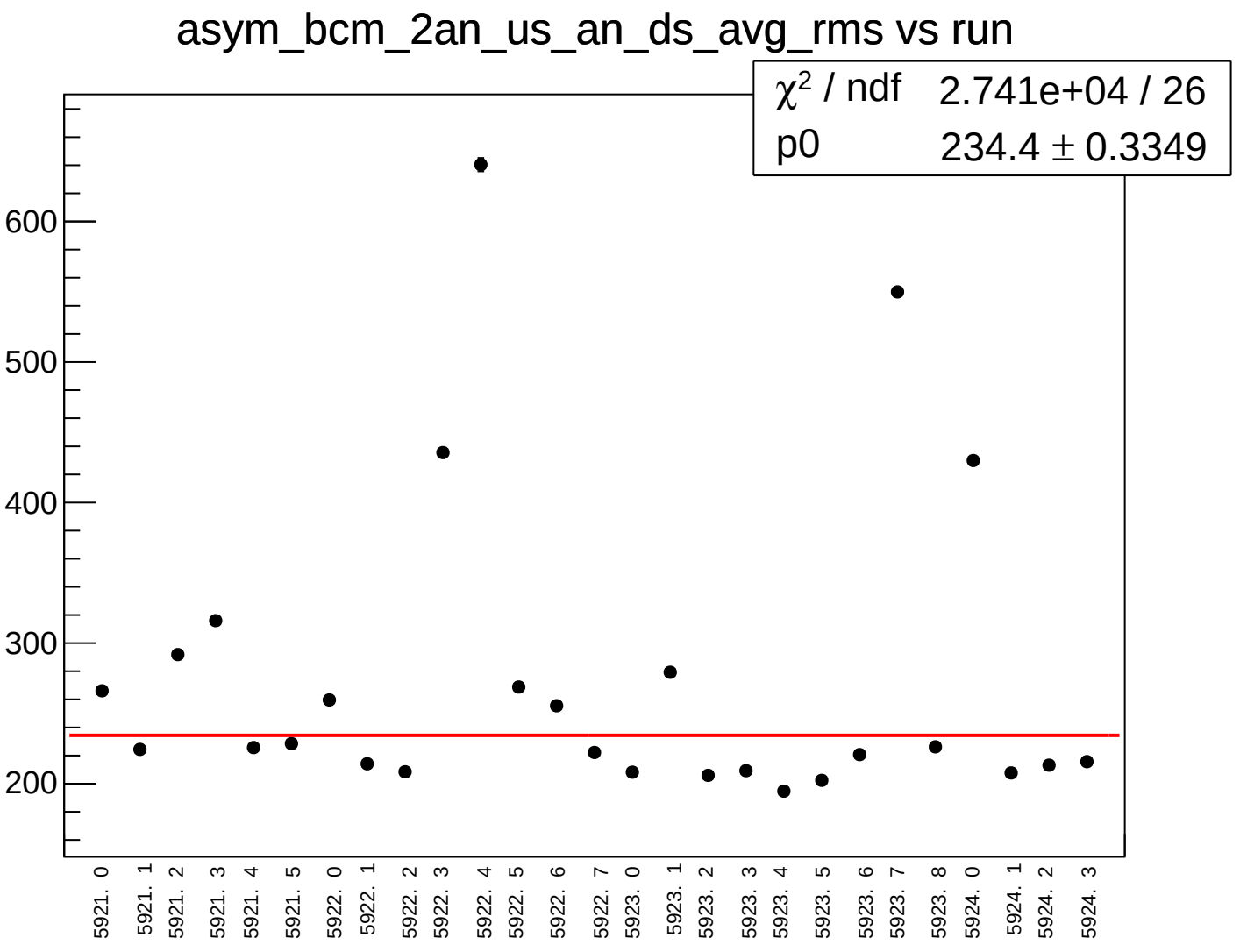

asym_bpm1i06WS_mean vs run
χ² / ndf 74.32 / 26
p0 2252 ± 294.1
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −127
Std Dev 0
2
1
0
−1
−2
−3
−4
−5

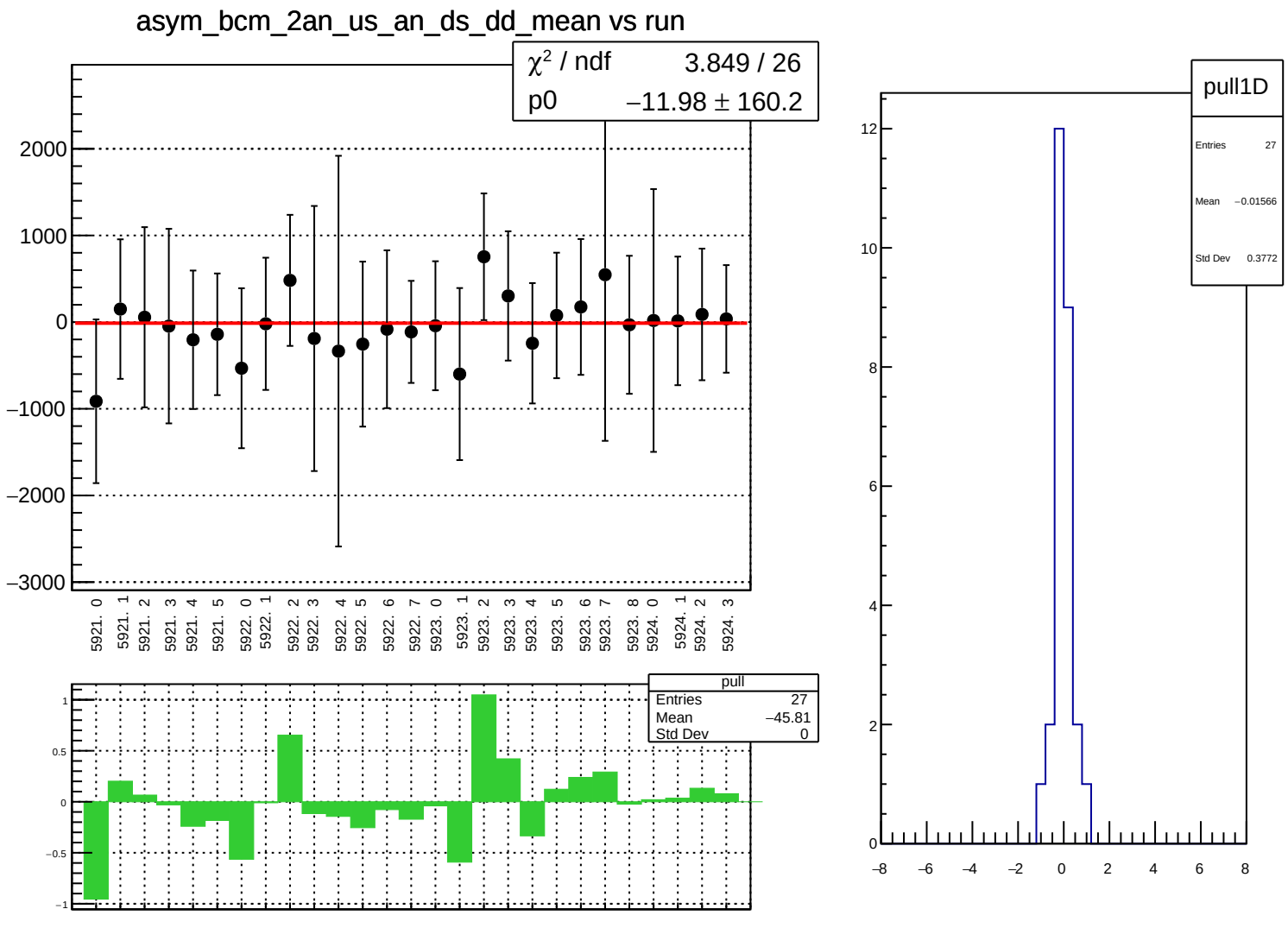

pull1D
Entries 27
Mean −0.02912
Std Dev 1.659
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

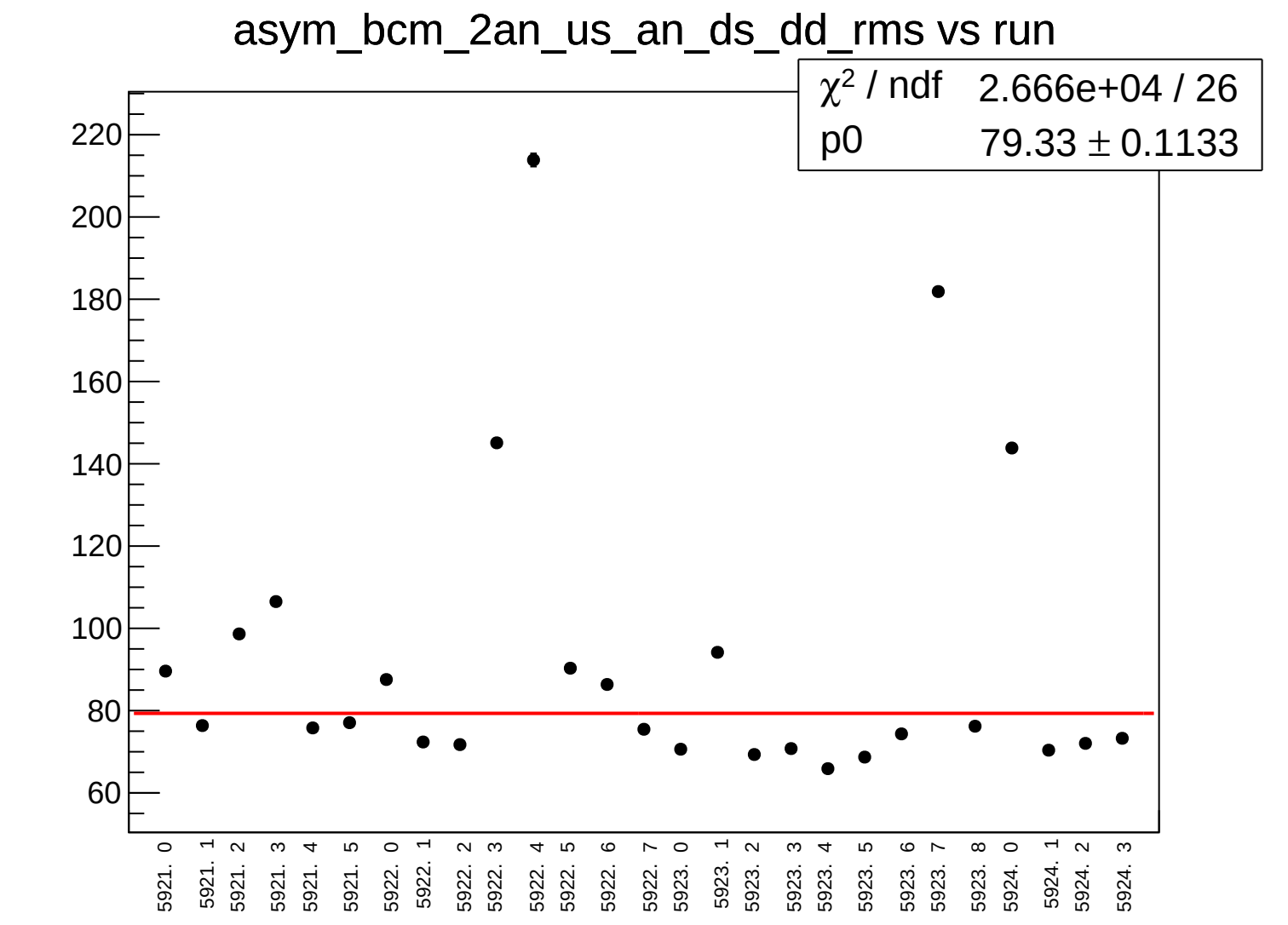

asym_bpm1i06WS_rms vs run
χ² / ndf 4.653e+04 / 26
p0 142.7 ± 0.208
550
500
450
400
350
300
250
200
150
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

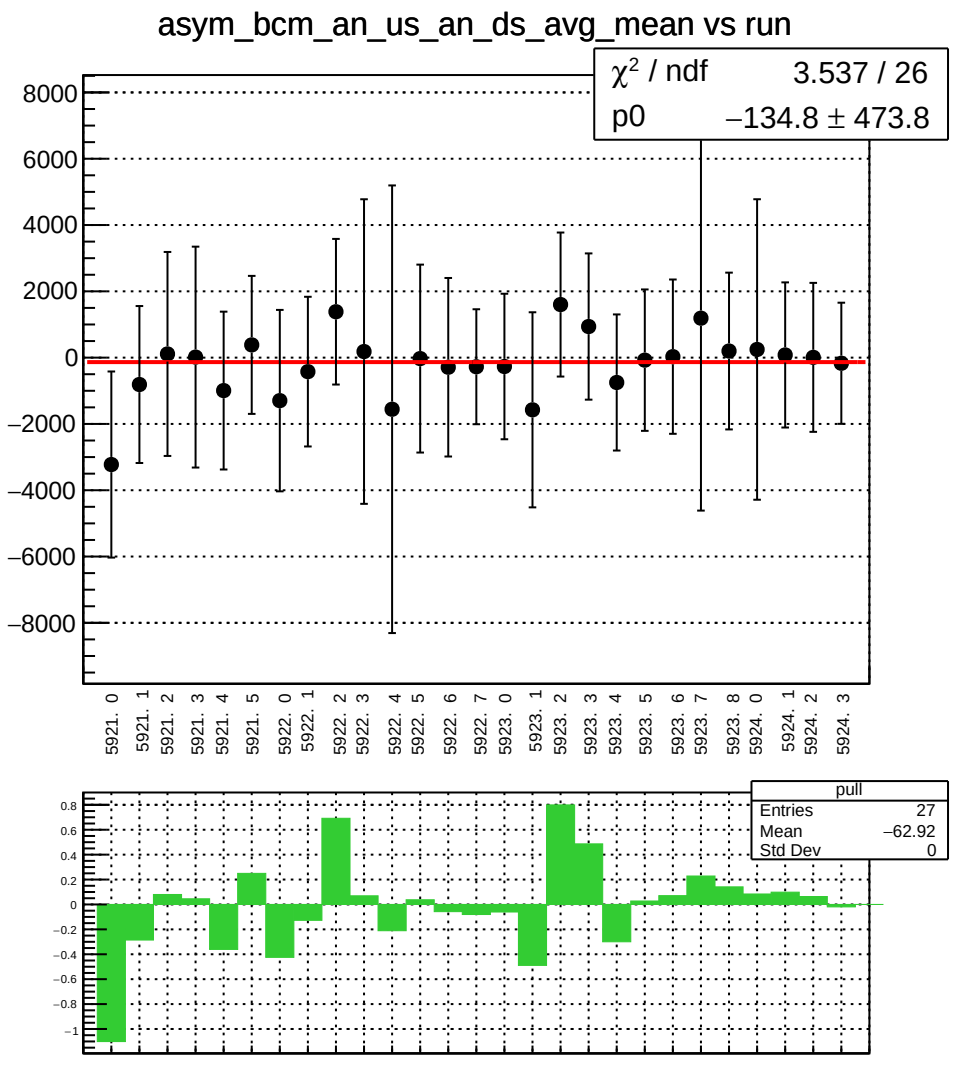

asym_bcm_2an_us_an_ds_avg_mean vs run
χ² / ndf 3.504 / 26
p0 −123.5 ± 473.7
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −60.31
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

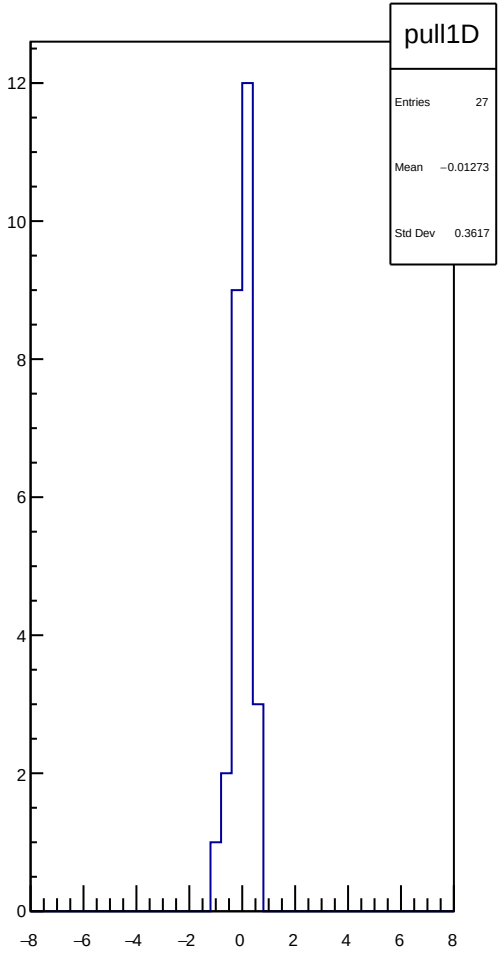

pull1D
Entries 27
Mean −0.01313
Std Dev 0.36
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

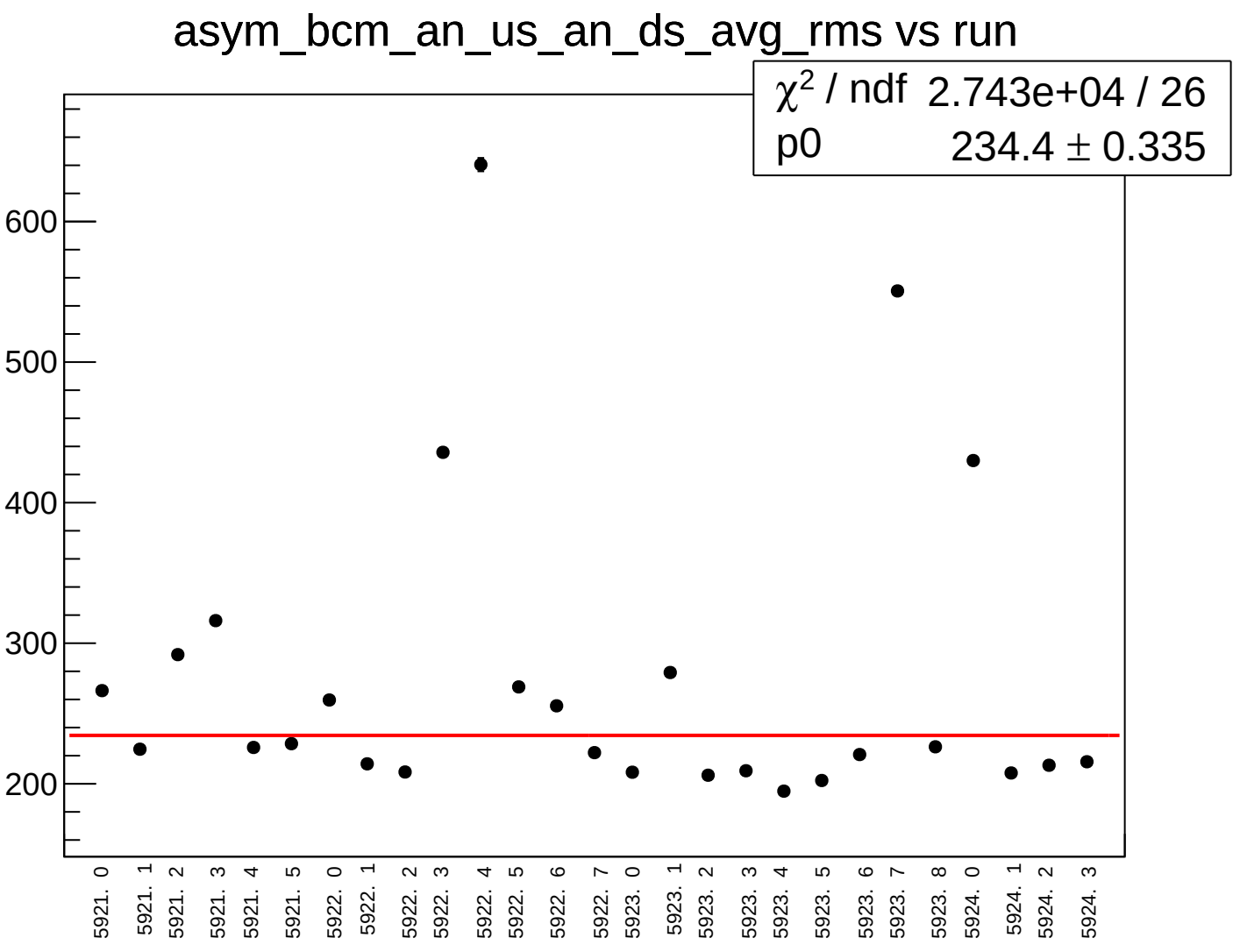

asym_bcm_2an_us_an_ds_avg_rms vs run
χ² / ndf 2.741e+04 / 26
p0 234.4 ± 0.3349
600
500
400
300
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

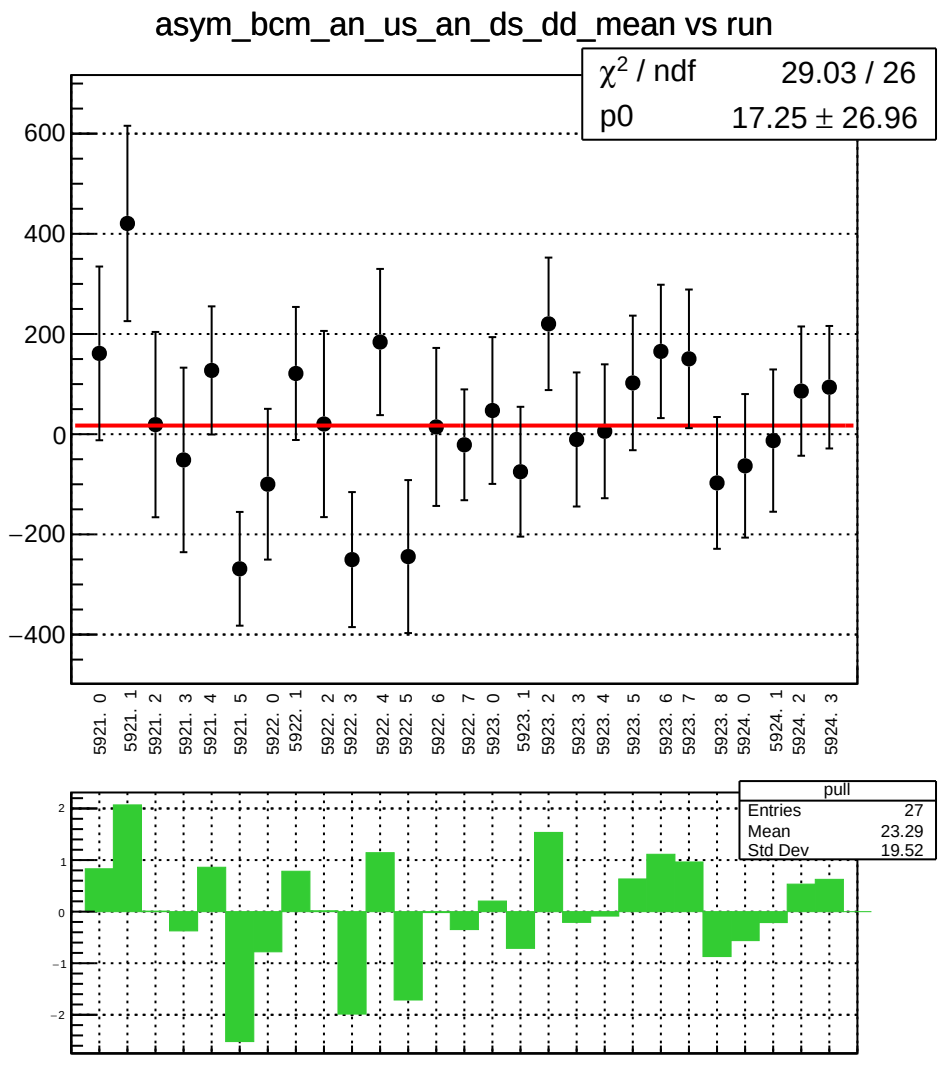

asym_bcm_2an_us_an_ds_dd_mean vs run
χ² / ndf 3.849 / 26
p0 −11.98 ± 160.2
2000
1000
0
−1000
−2000
−3000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −45.81
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 27
Mean −0.01566
Std Dev 0.3772
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

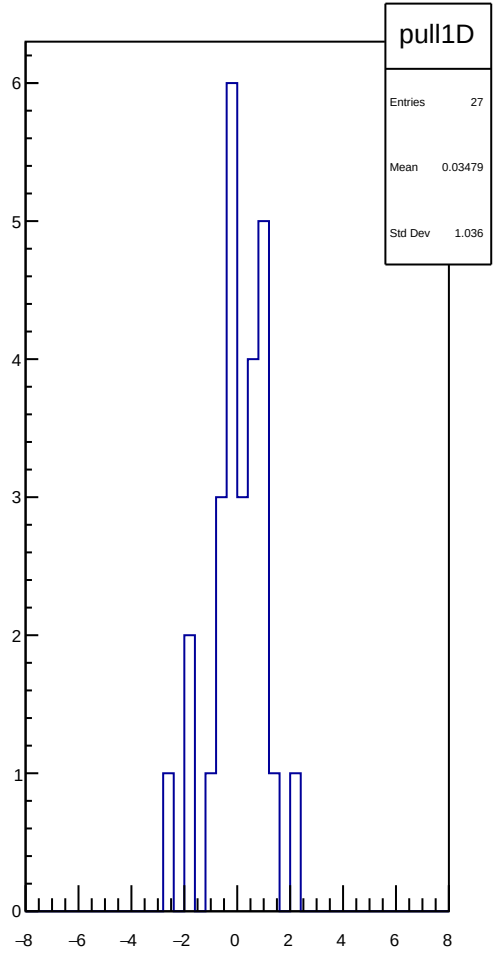

asym_bcm_2an_us_an_ds_dd_rms vs run
χ² / ndf 2.666e+04 / 26
p0 79.33 ± 0.1133
220
200
180
160
140
120
100
80
60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

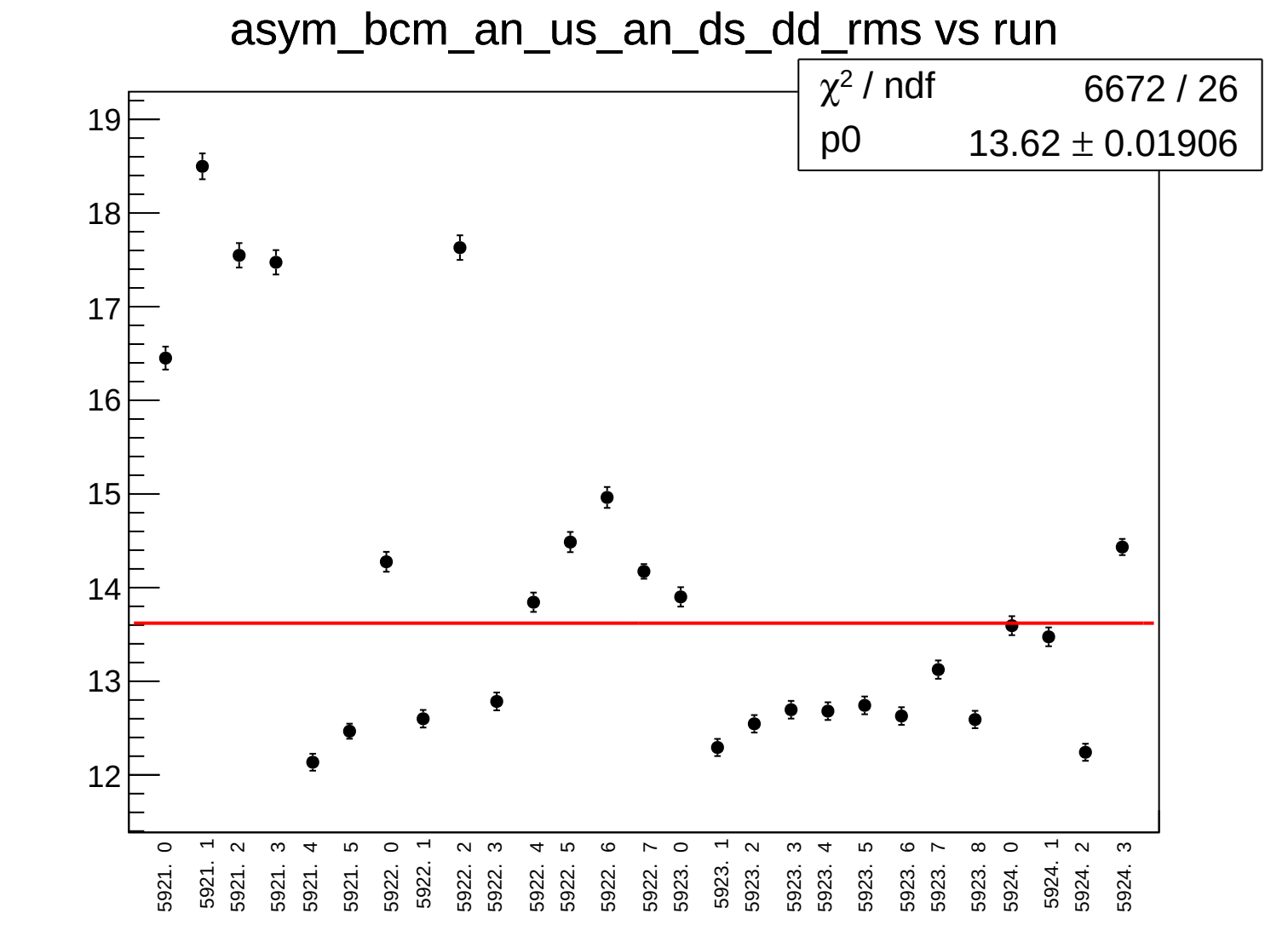

asym_bcm_an_us_an_ds_avg_mean vs run
χ² / ndf 3.537 / 26
p0 −134.8 ± 473.8
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −62.92
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

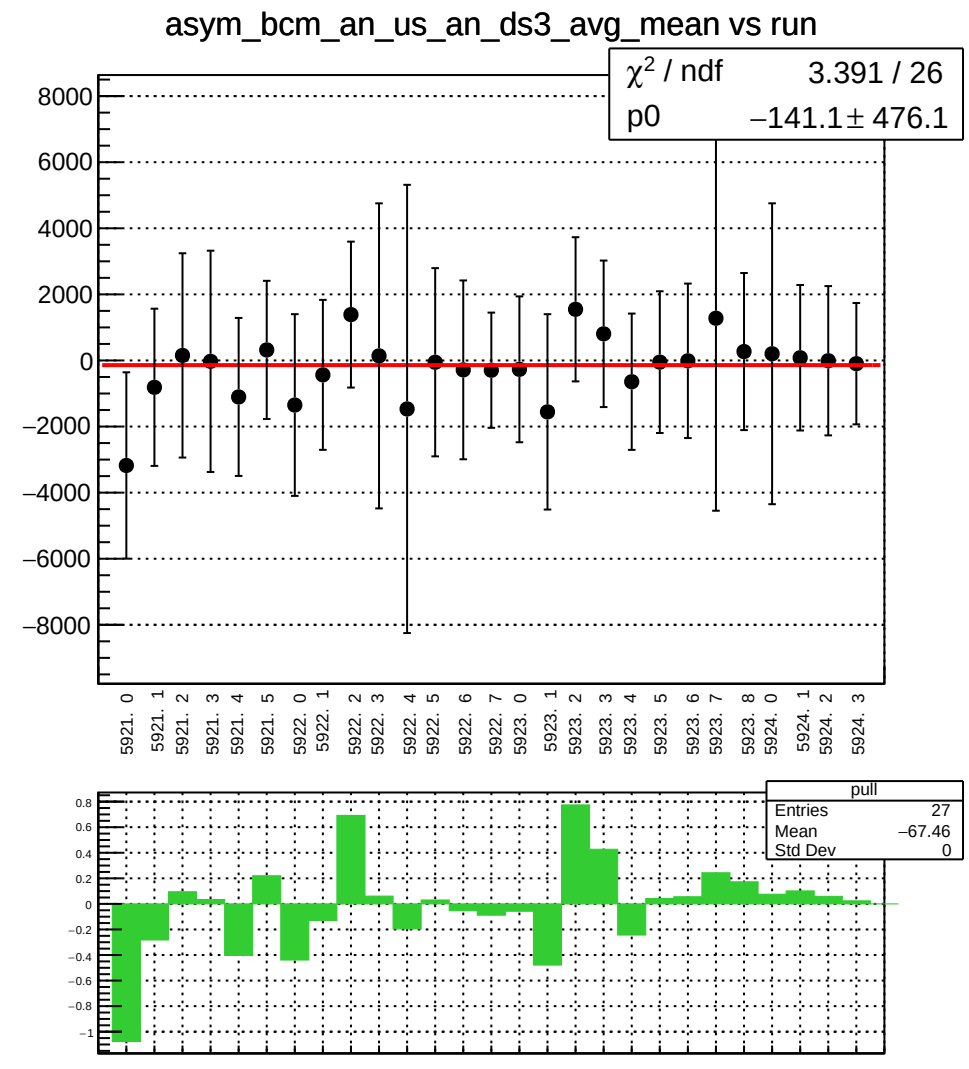

pull1D
Entries 27
Mean −0.01273
Std Dev 0.3617
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

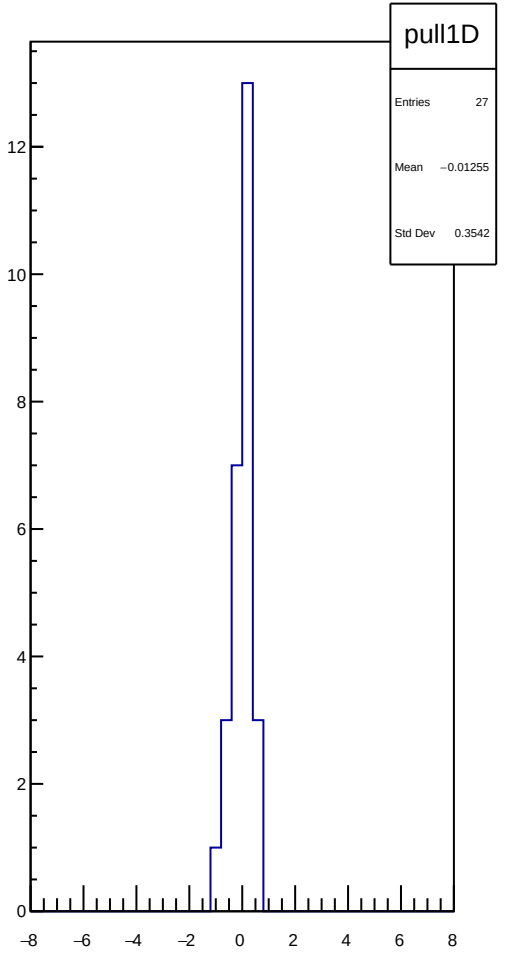

asym_bcm_an_us_an_ds_avg_rms vs run
χ² / ndf 2.743e+04 / 26
p0 234.4 ± 0.335
600
500
400
300
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

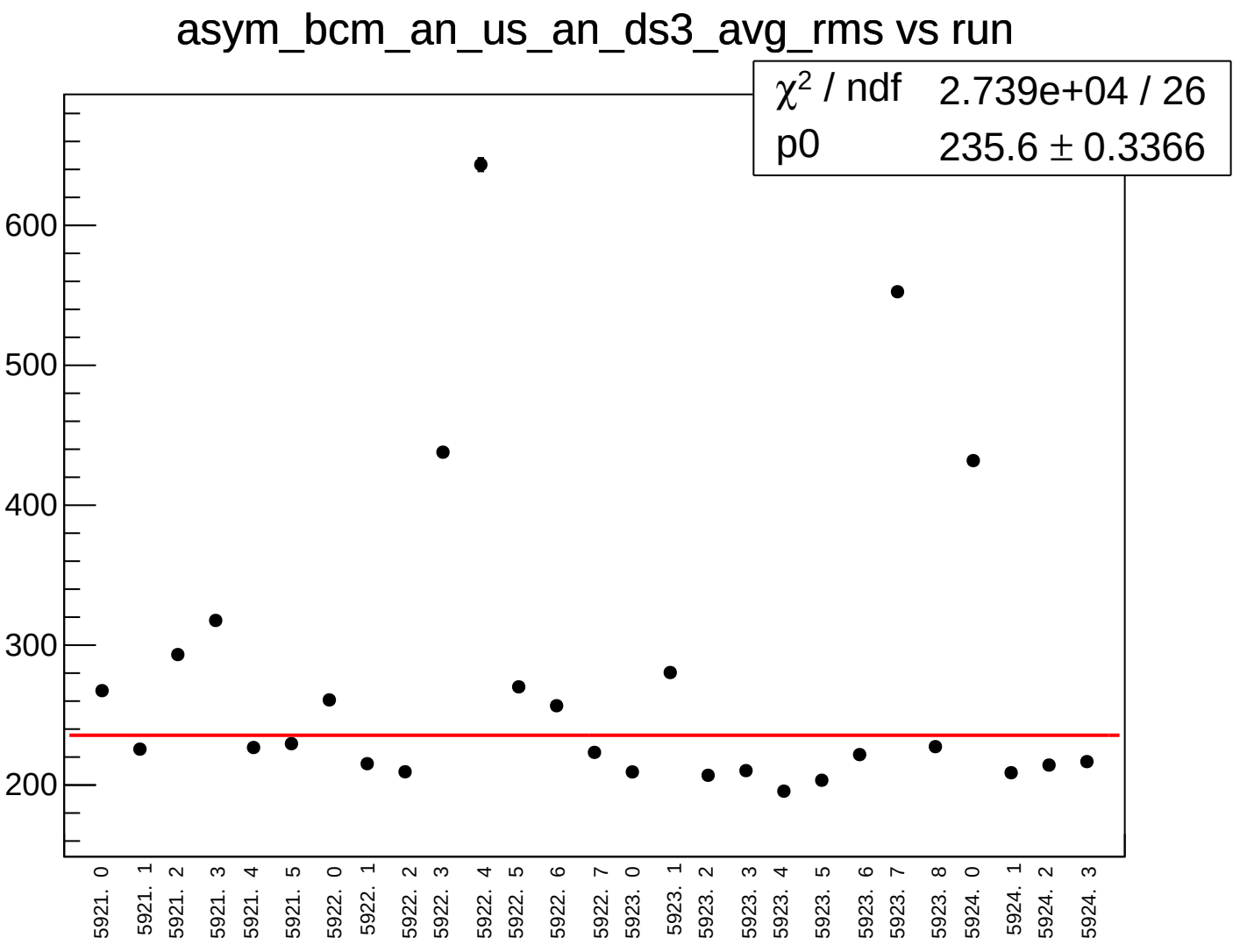

asym_bcm_an_us_an_ds_dd_mean vs run
χ² / ndf 29.03 / 26
p0 17.25 ± 26.96
600
400
200
0
−200
−400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 23.29
Std Dev 19.52
2
1
0
−1
−2

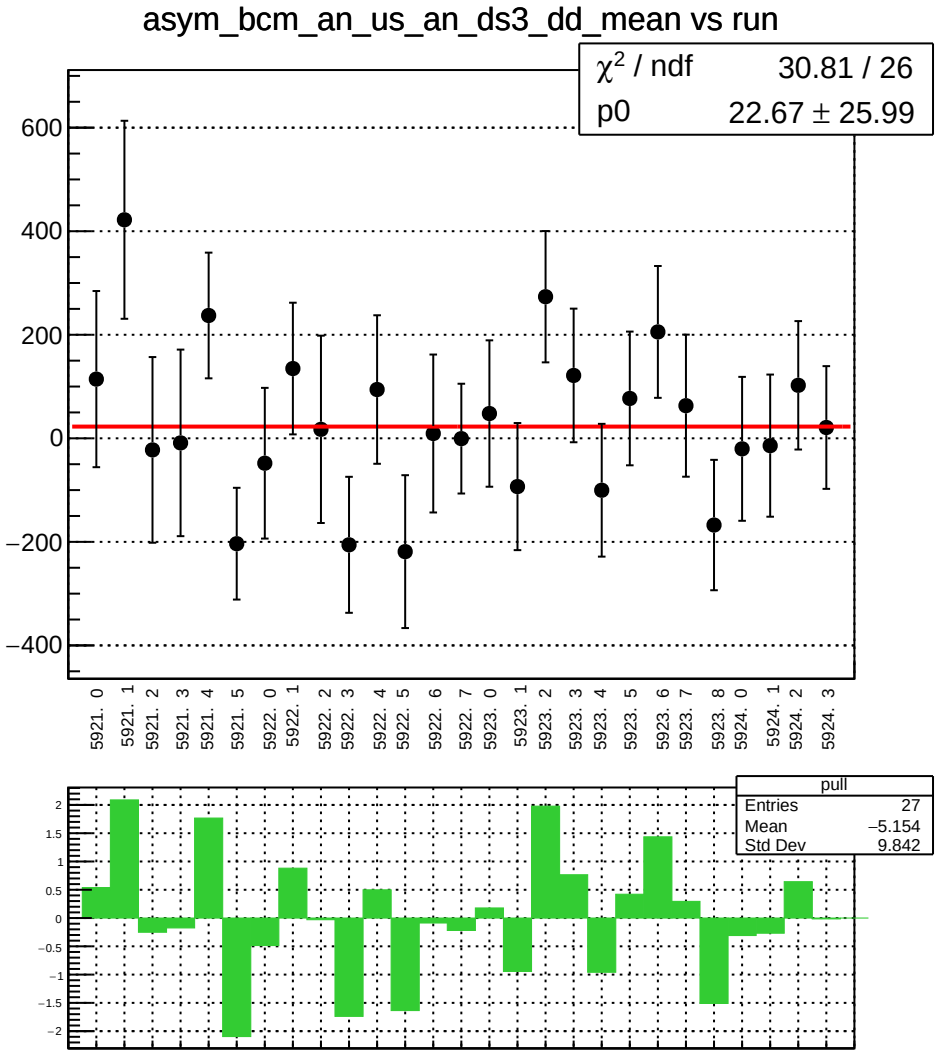

pull1D
Entries 27
Mean 0.03479
Std Dev 1.036
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

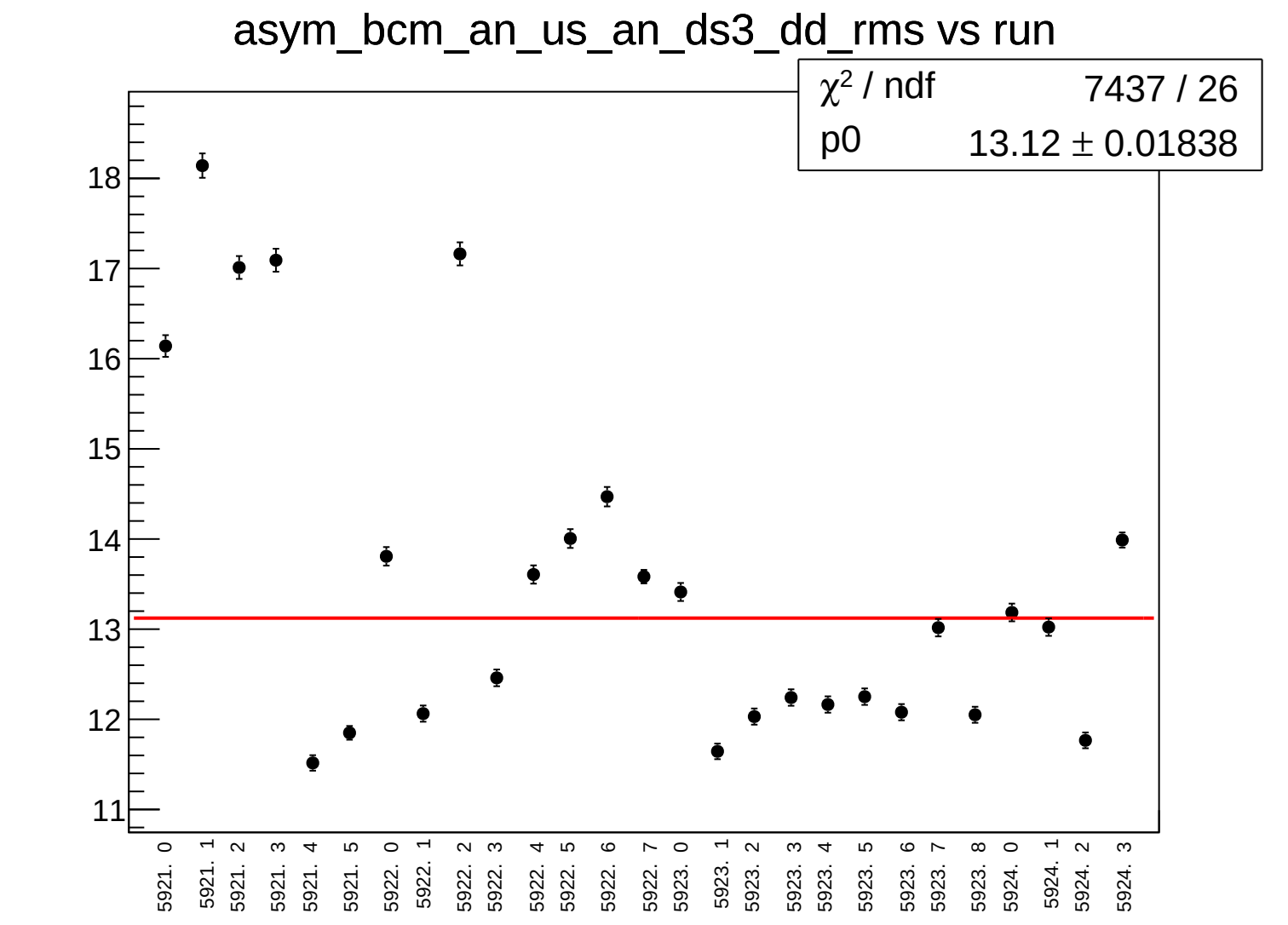

asym_bcm_an_us_an_ds_dd_rms vs run
χ² / ndf 6672 / 26
p0 13.62 ± 0.01906
19
18
17
16
15
14
13
12
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

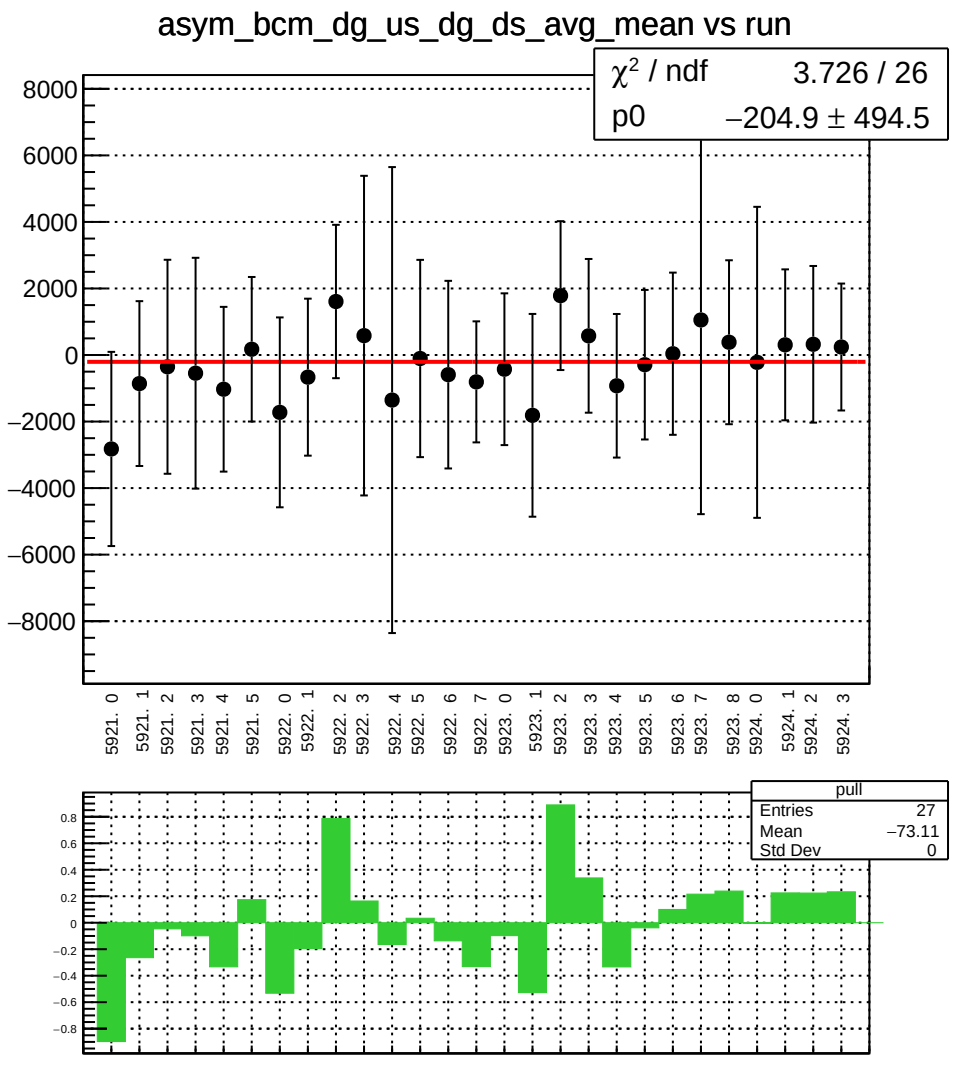

asym_bcm_an_us_an_ds3_avg_mean vs run
χ² / ndf 3.391 / 26
p0 −141.1 ± 476.1
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −67.46
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

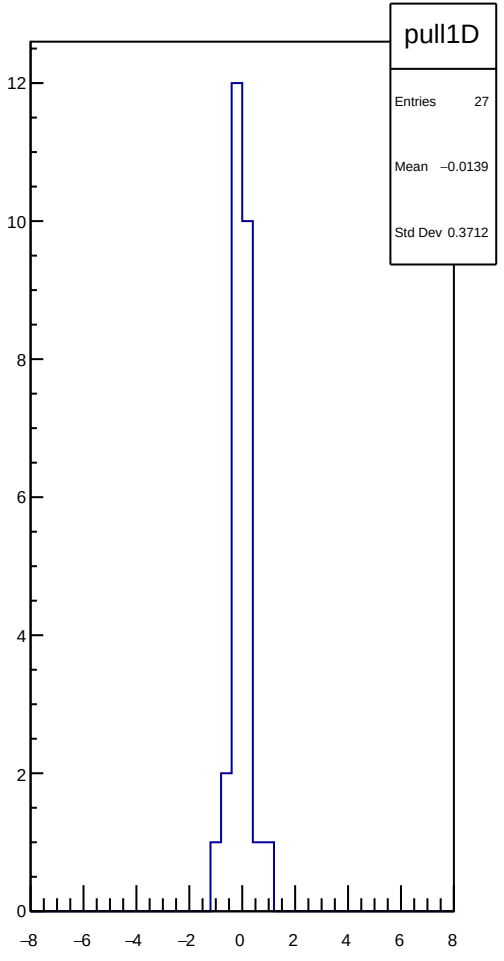

pull1D
Entries 27
Mean −0.01255
Std Dev 0.3542
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

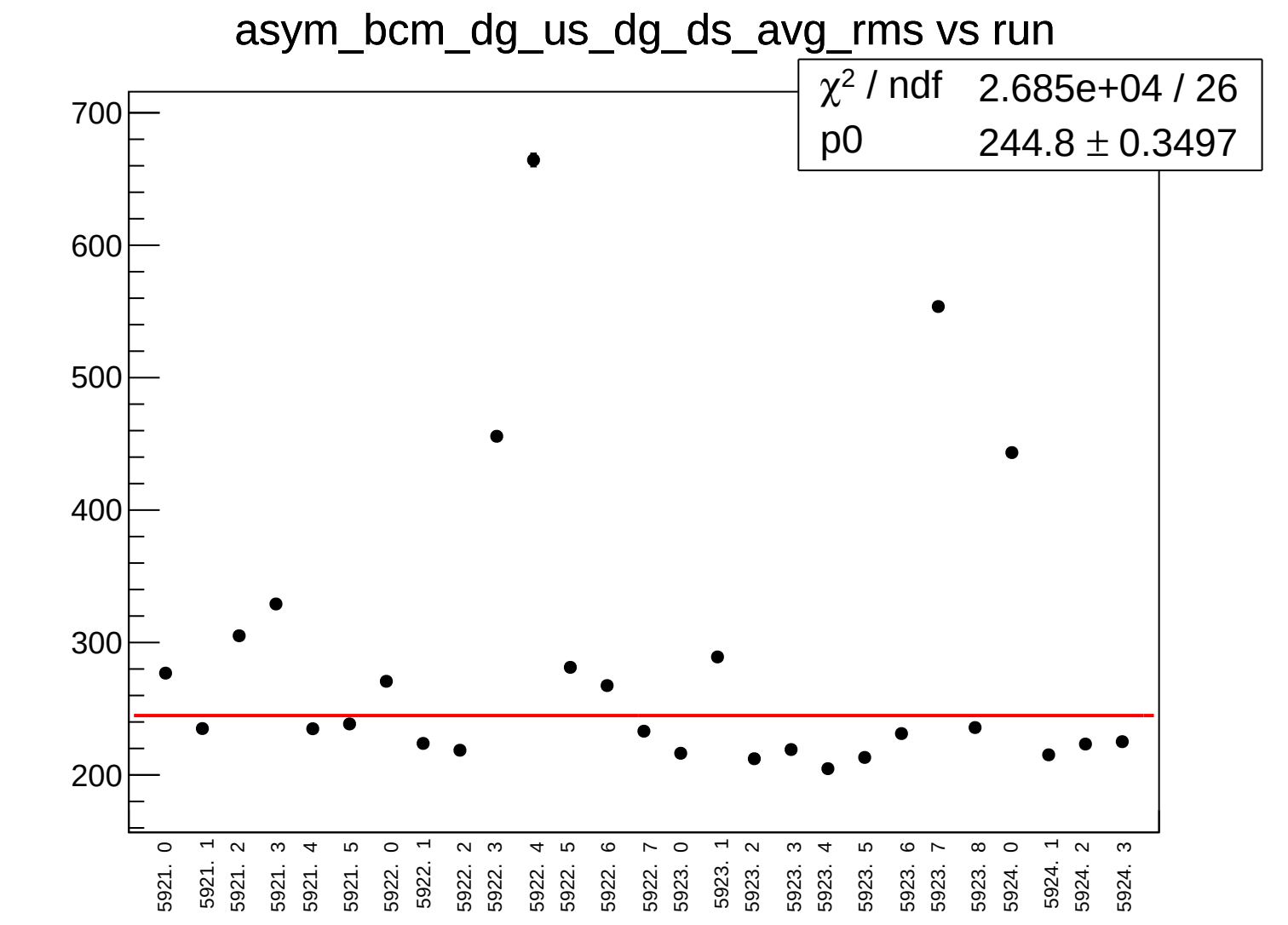

asym_bcm_an_us_an_ds3_avg_rms vs run
χ² / ndf 2.739e+04 / 26
p0 235.6 ± 0.3366
600
500
400
300
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

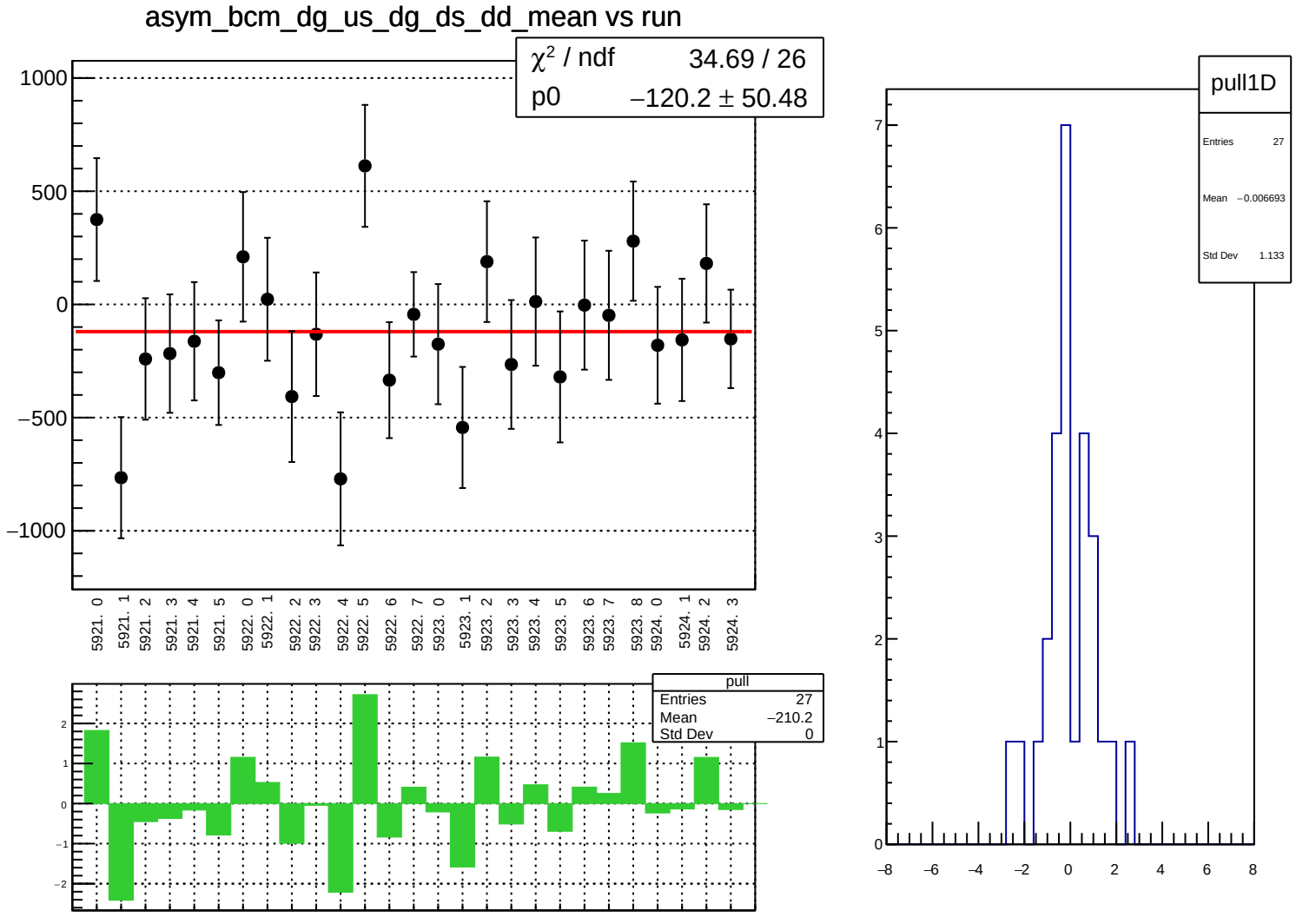

asym_bcm_an_us_an_ds3_dd_mean vs run
χ² / ndf 30.81 / 26
p0 22.67 ± 25.99
600
400
200
0
−200
−400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −5.154
Std Dev 9.842
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean 0.02843
Std Dev 1.068
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

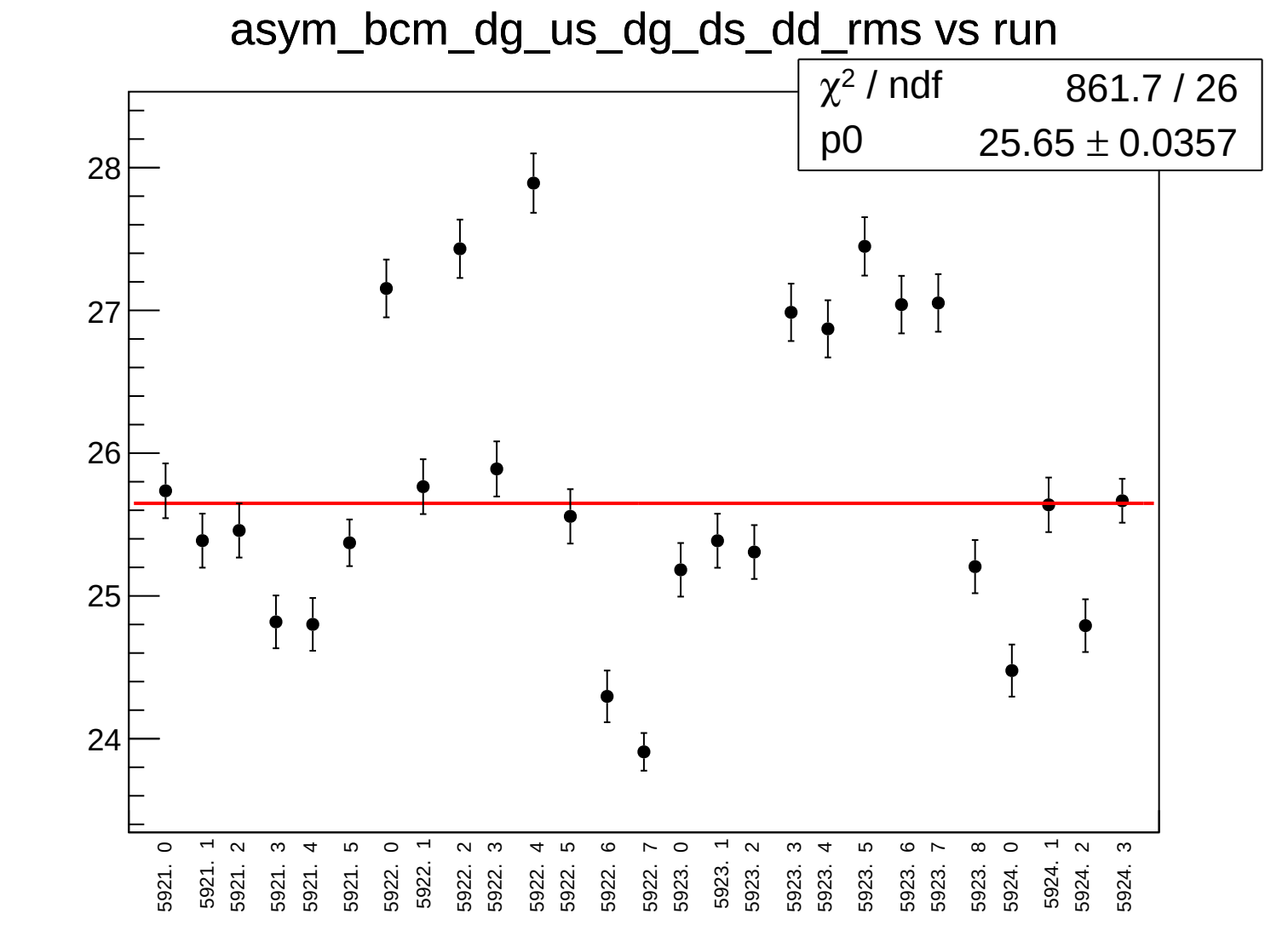

asym_bcm_an_us_an_ds3_dd_rms vs run
χ² / ndf 7437 / 26
p0 13.12 ± 0.01838
18
17
16
15
14
13
12
11
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

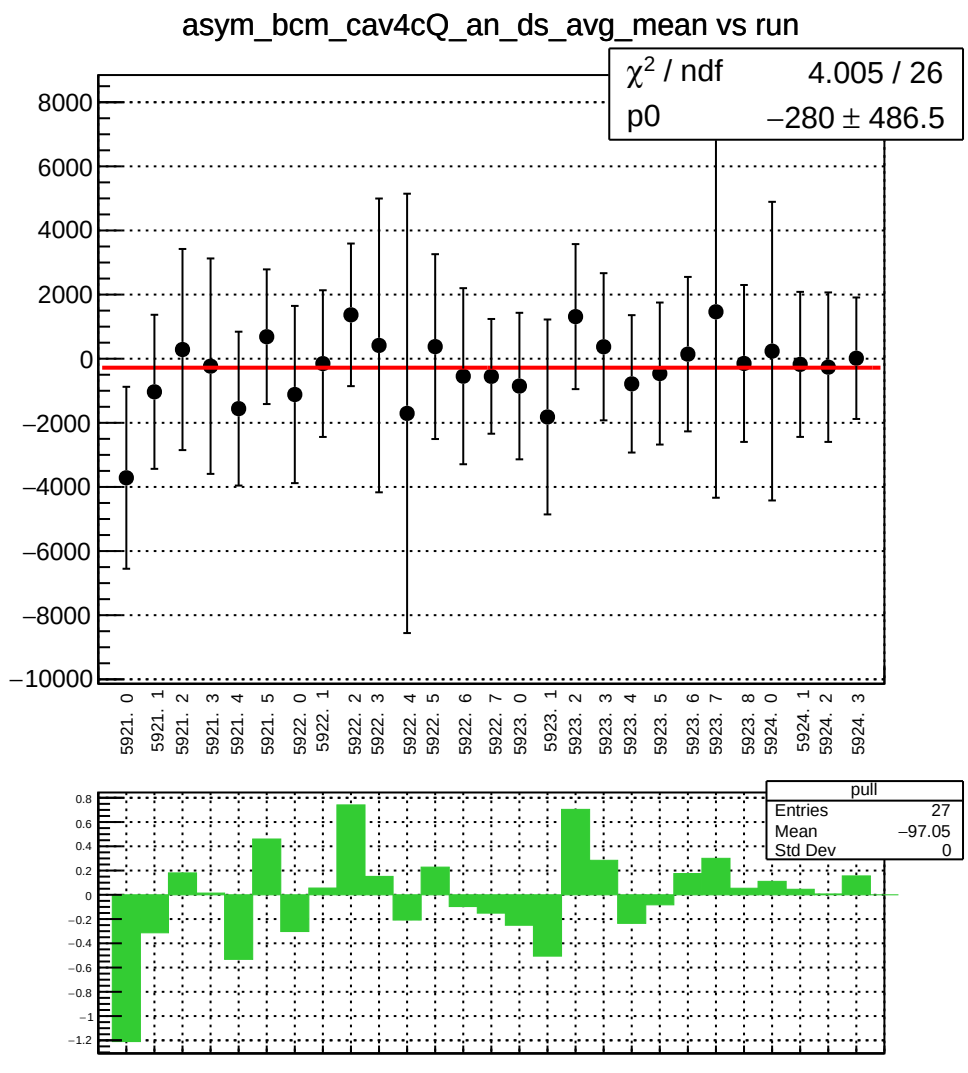

asym_bcm_dg_us_dg_ds_avg_mean vs run
χ² / ndf 3.726 / 26
p0 −204.9 ± 494.5
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −73.11
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

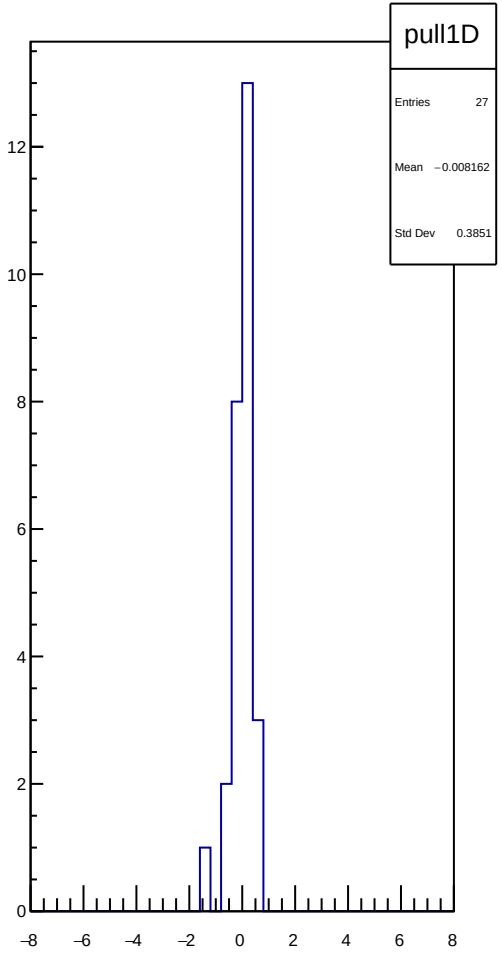

pull1D
Entries 27
Mean −0.0139
Std Dev 0.3712
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

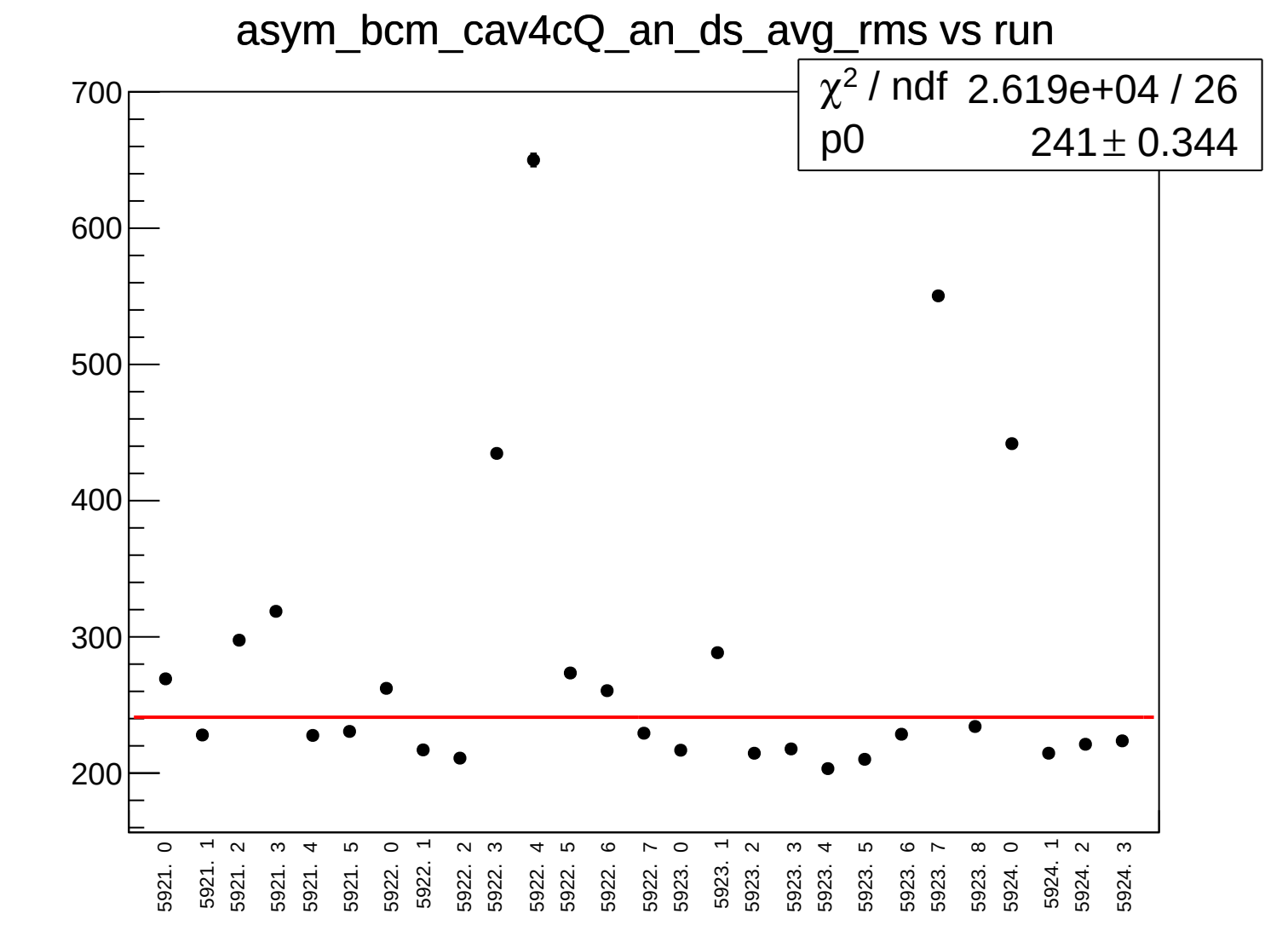

asym_bcm_dg_us_dg_ds_avg_rms vs run
χ² / ndf 2.685e+04 / 26
p0 244.8 ± 0.3497
700
600
500
400
300
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

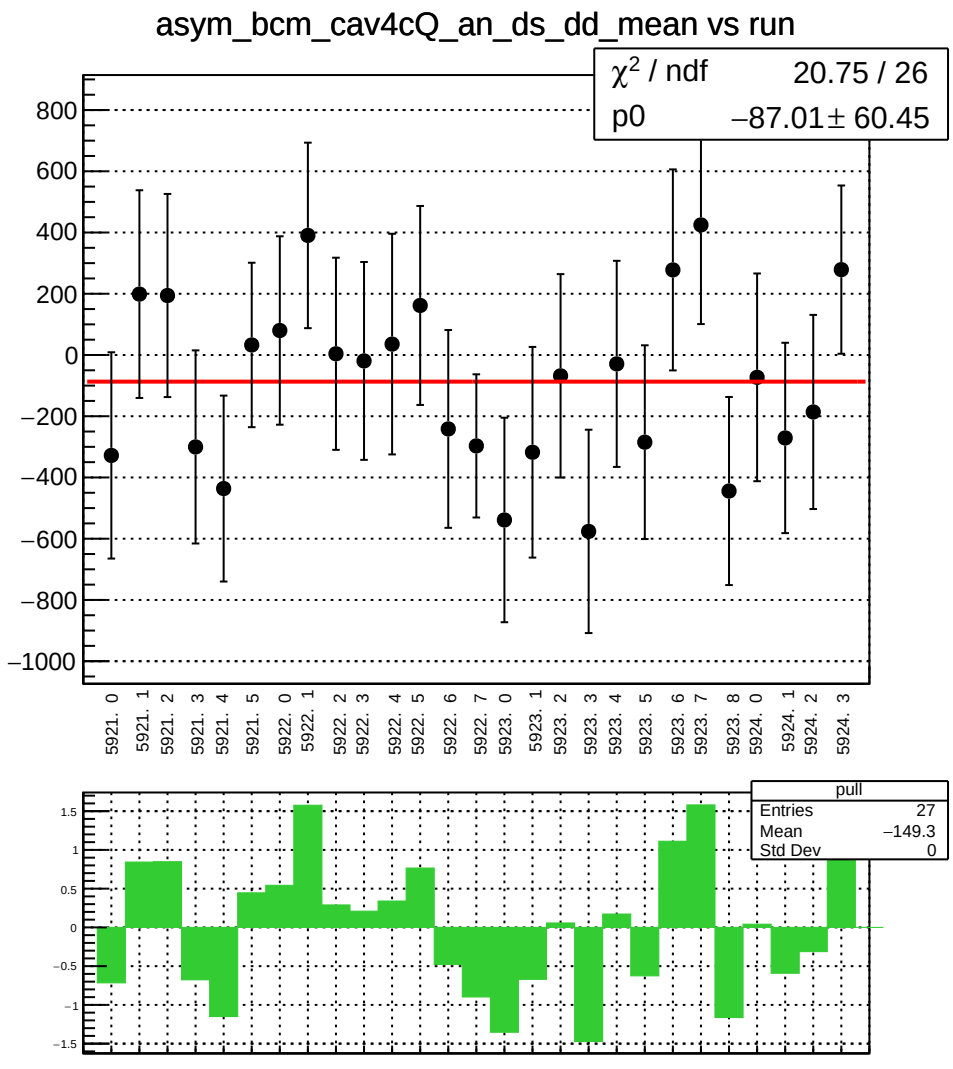

asym_bcm_dg_us_dg_ds_dd_mean vs run
χ² / ndf 34.69 / 26
p0 −120.2 ± 50.48
1000
500
0
−500
−1000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −210.2
Std Dev 0
pull1D
Entries 27
Mean −0.006693
Std Dev 1.133

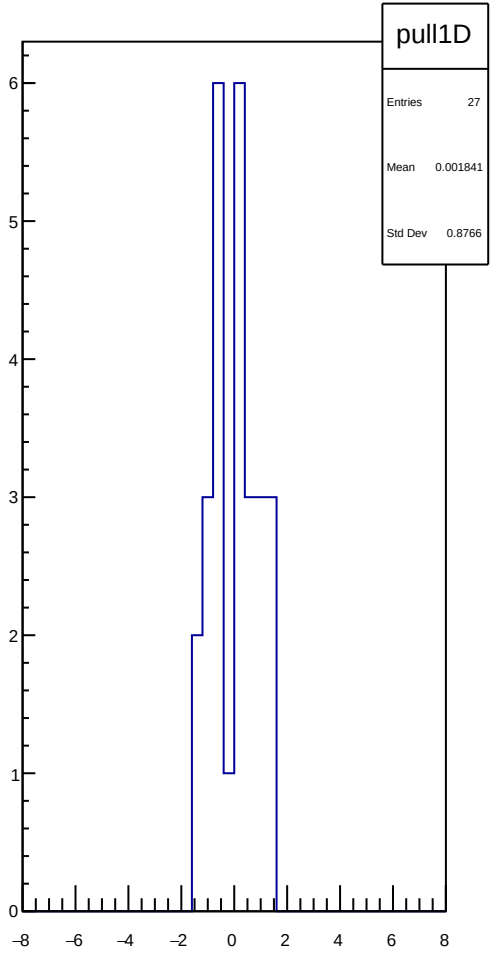

asym_bcm_dg_us_dg_ds_dd_rms vs run
χ² / ndf 861.7 / 26
p0 25.65 ± 0.0357
28
27
26
25
24
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

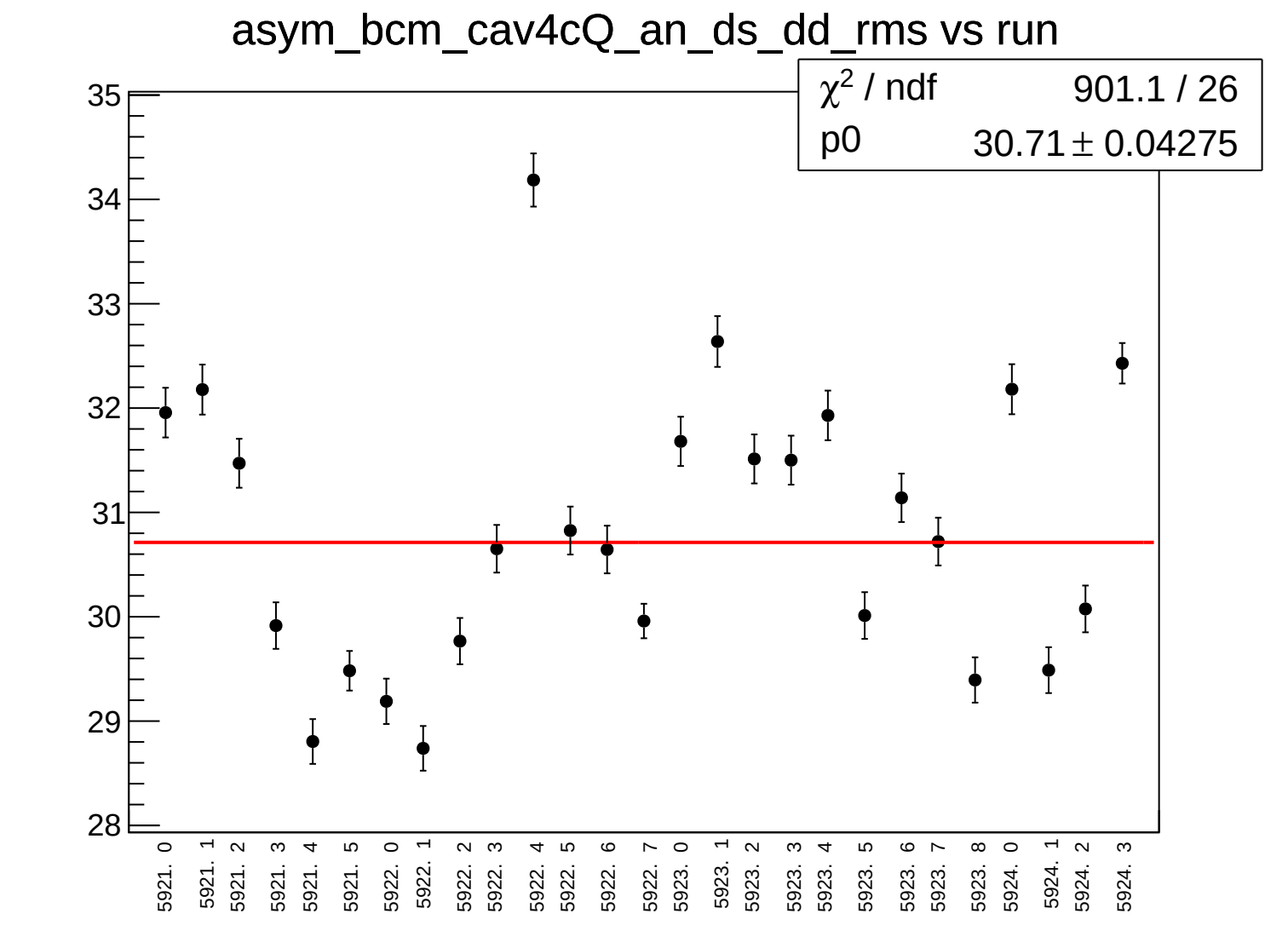

asym_bcm_cav4cQ_an_ds_avg_mean vs run
χ² / ndf 4.005 / 26
p0 −280 ± 486.5
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −97.05
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

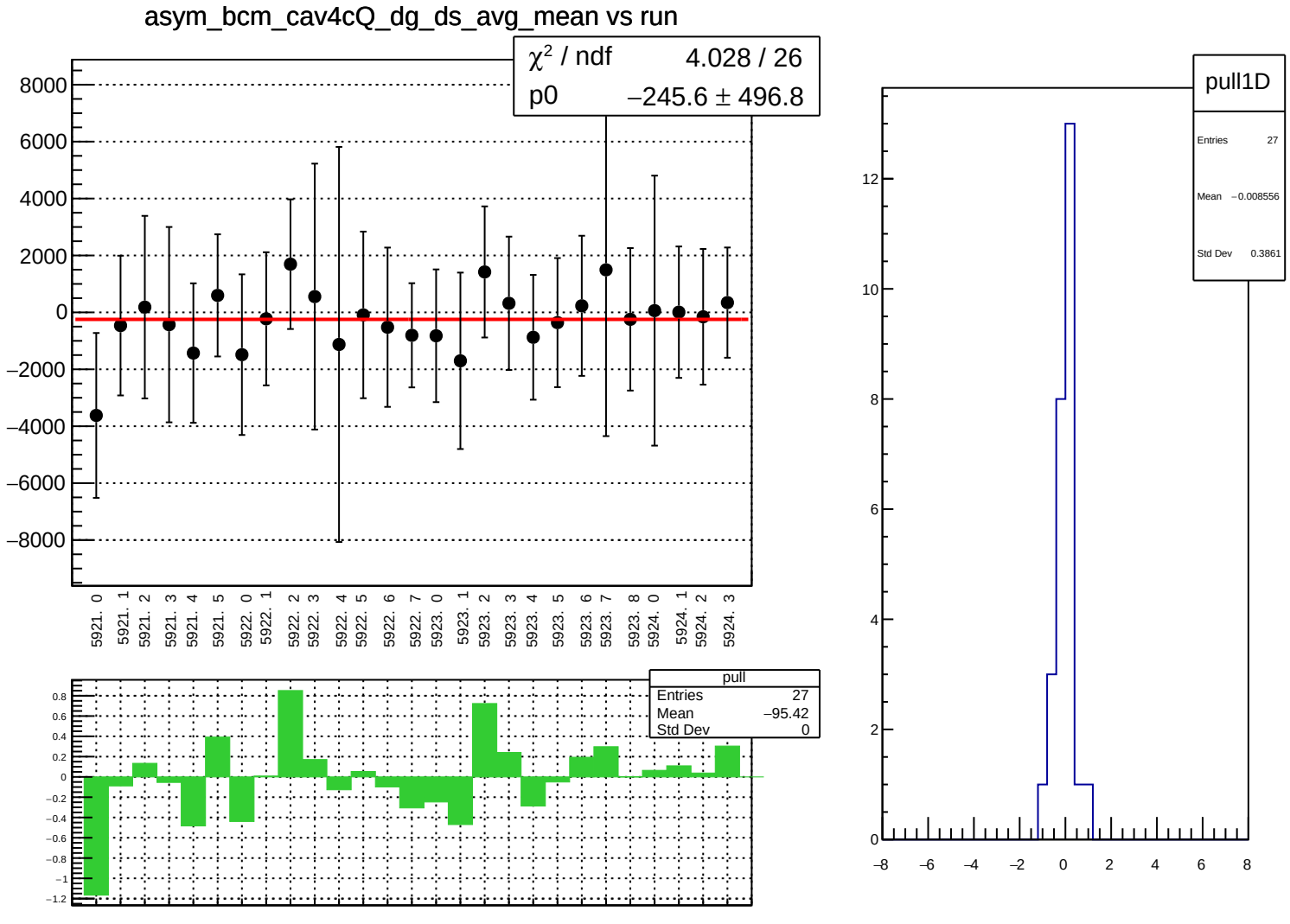

pull1D
Entries 27
Mean −0.008162
Std Dev 0.3851
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

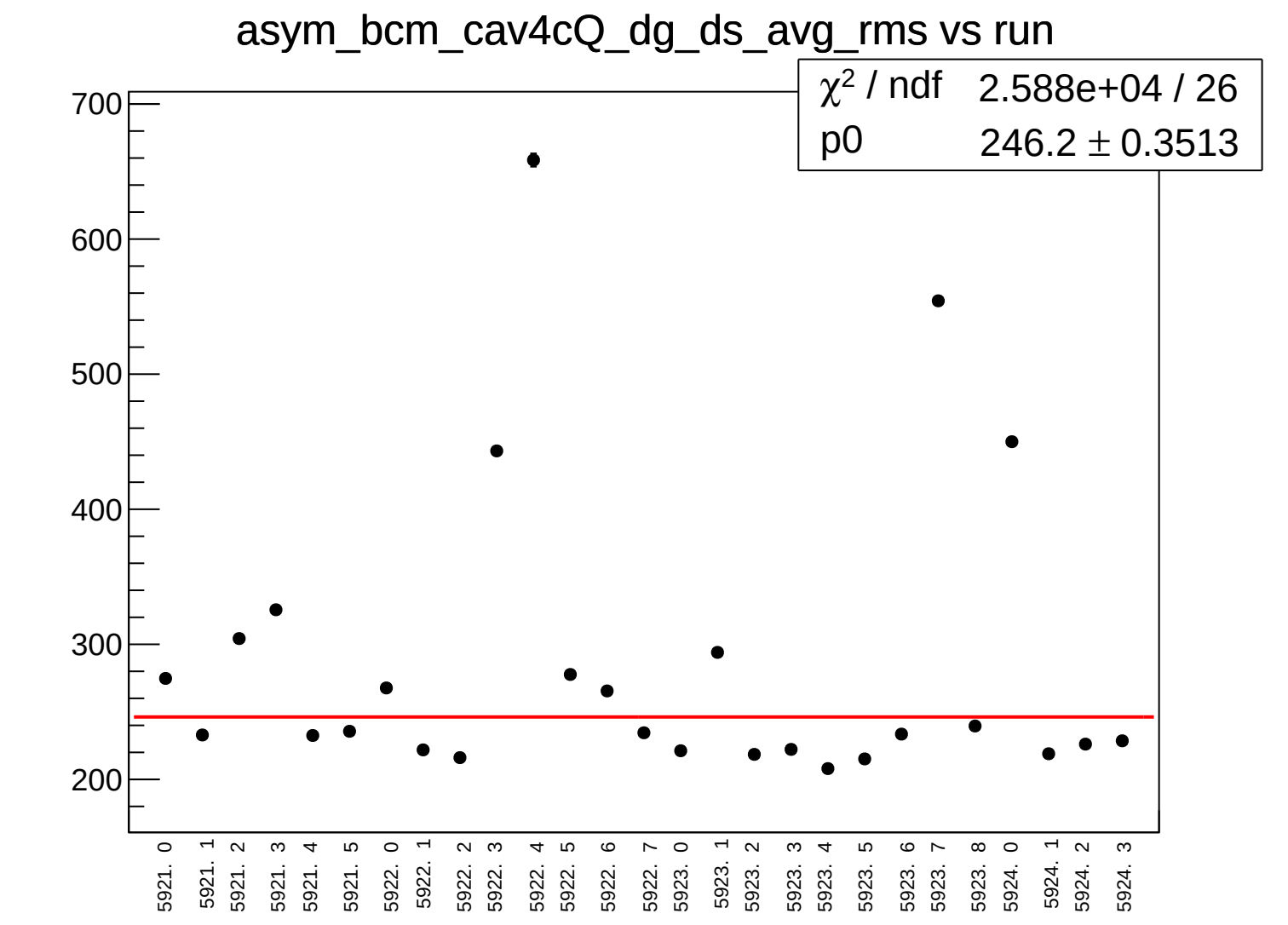

asym_bcm_cav4cQ_an_ds_avg_rms vs run
χ² / ndf 2.619e+04 / 26
p0 241 ± 0.344
700
600
500
400
300
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

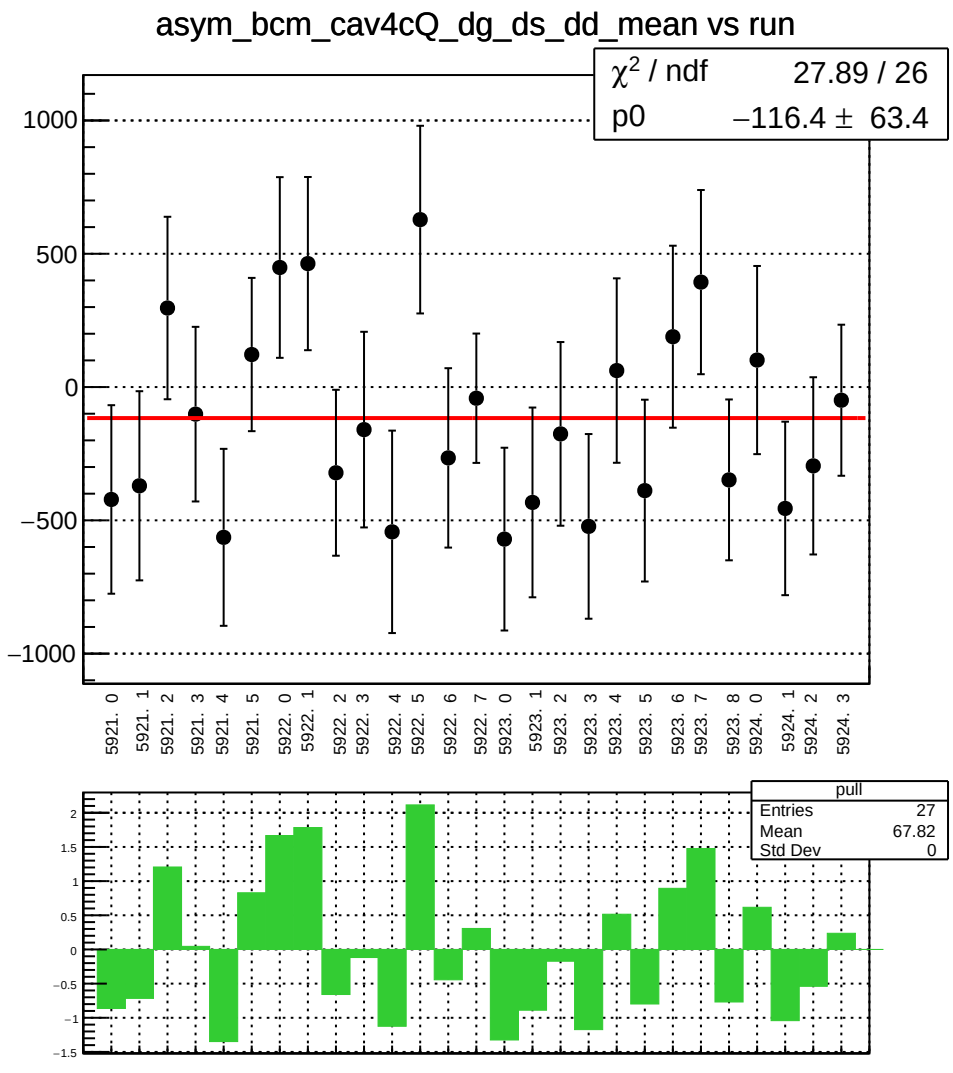

asym_bcm_cav4cQ_an_ds_dd_mean vs run
χ² / ndf 20.75 / 26
p0 −87.01 ± 60.45
800
600
400
200
0
−200
−400
−600
−800
−1000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −149.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

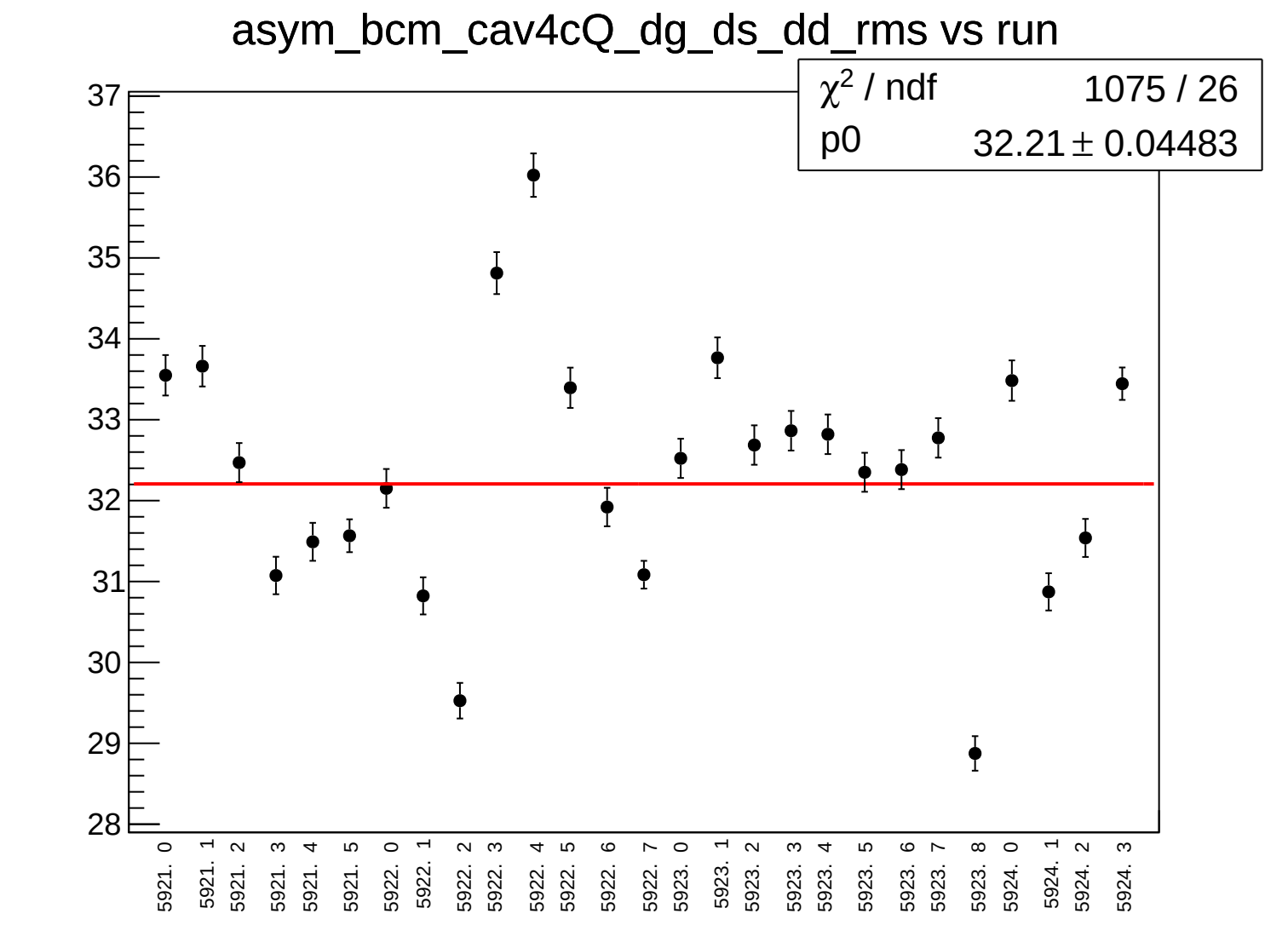

pull1D
Entries 27
Mean 0.001841
Std Dev 0.8766
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

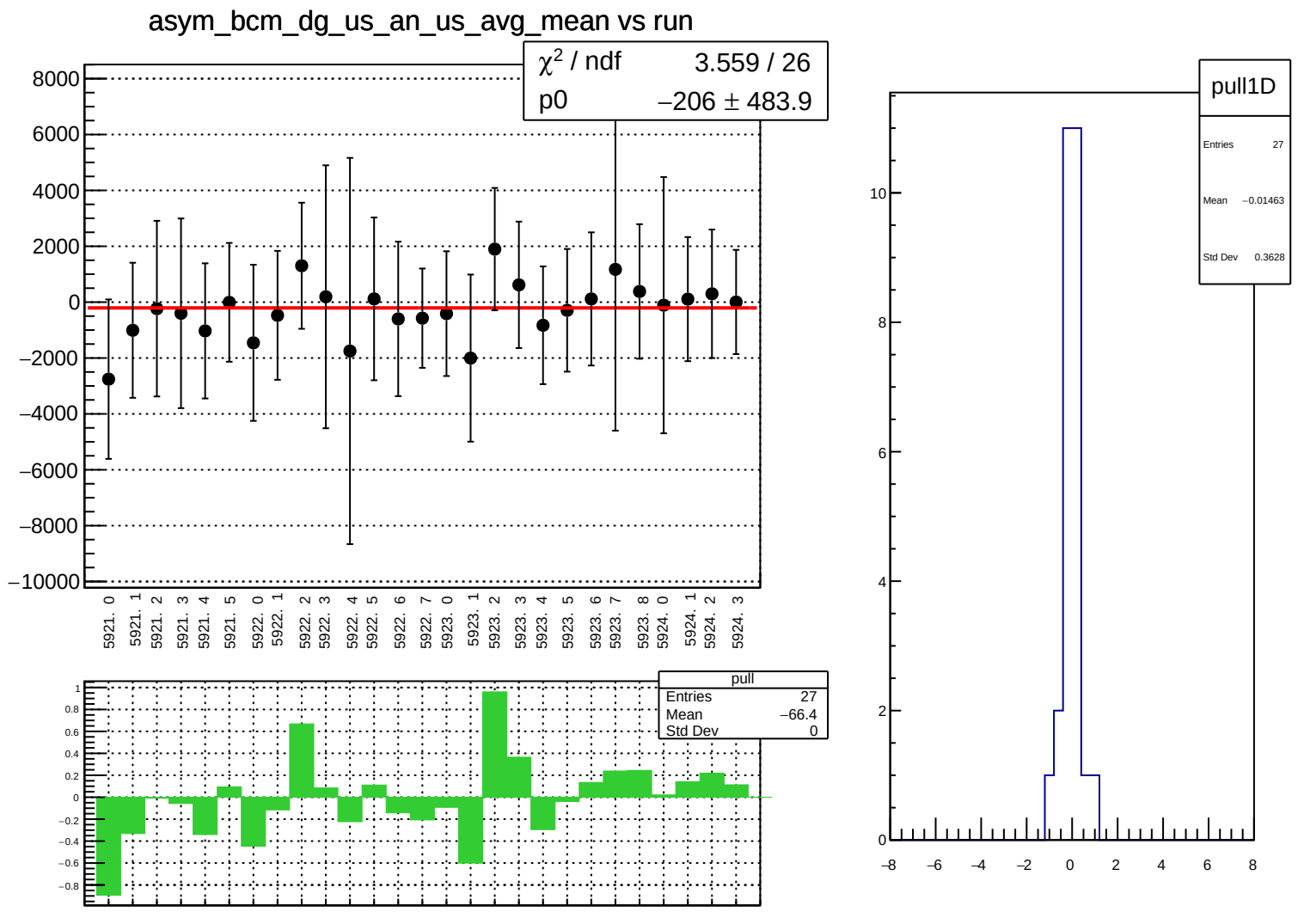

asym_bcm_cav4cQ_an_ds_dd_rms vs run
χ² / ndf 901.1 / 26
p0 30.71 ± 0.04275
35
34
33
32
31
30
29
28
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

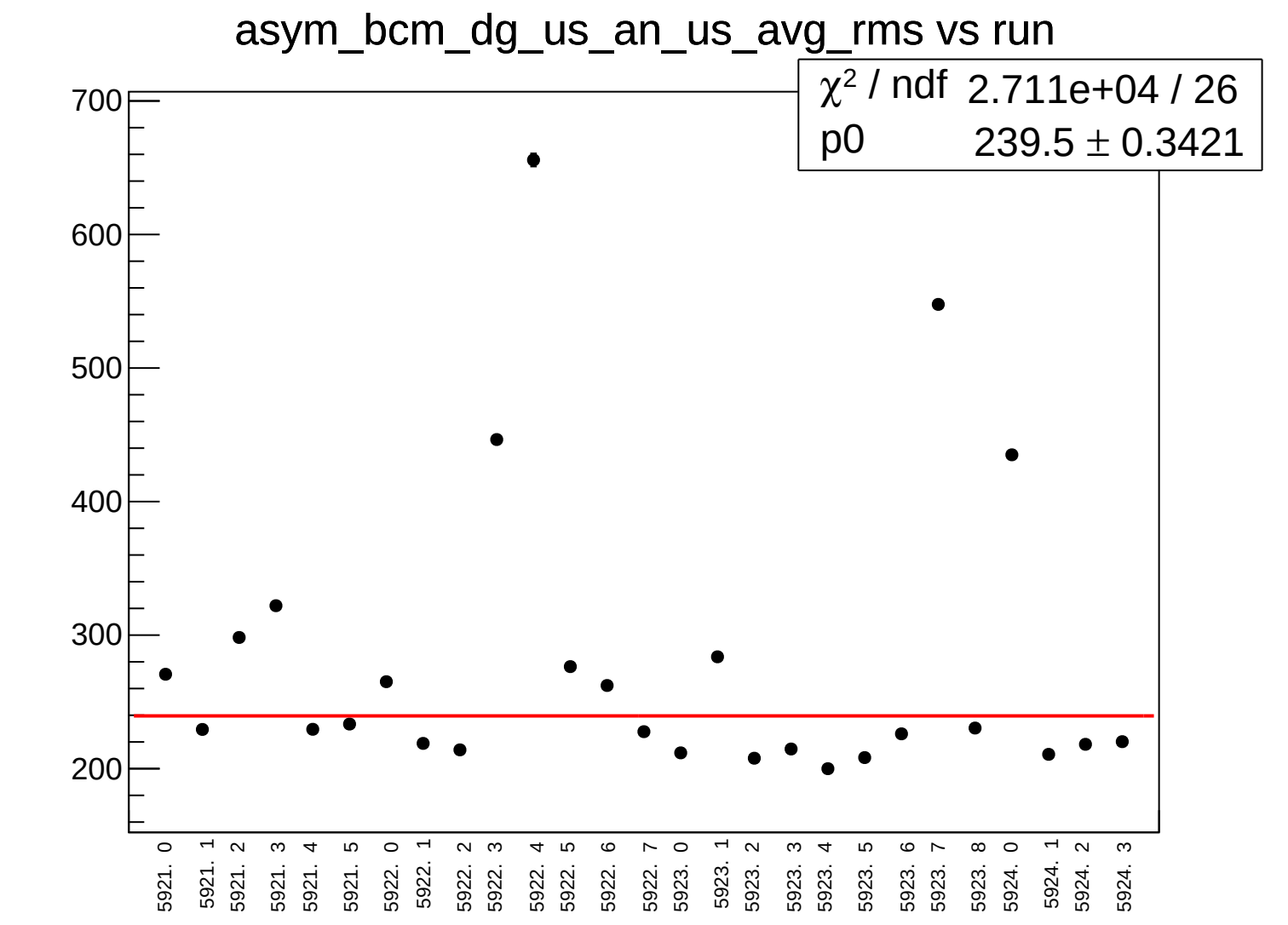

asym_bcm_cav4cQ_dg_ds_avg_mean vs run
χ² / ndf 4.028 / 26
p0 −245.6 ± 496.8
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −95.42
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
pull1D
Entries 27
Mean −0.008556
Std Dev 0.3861
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

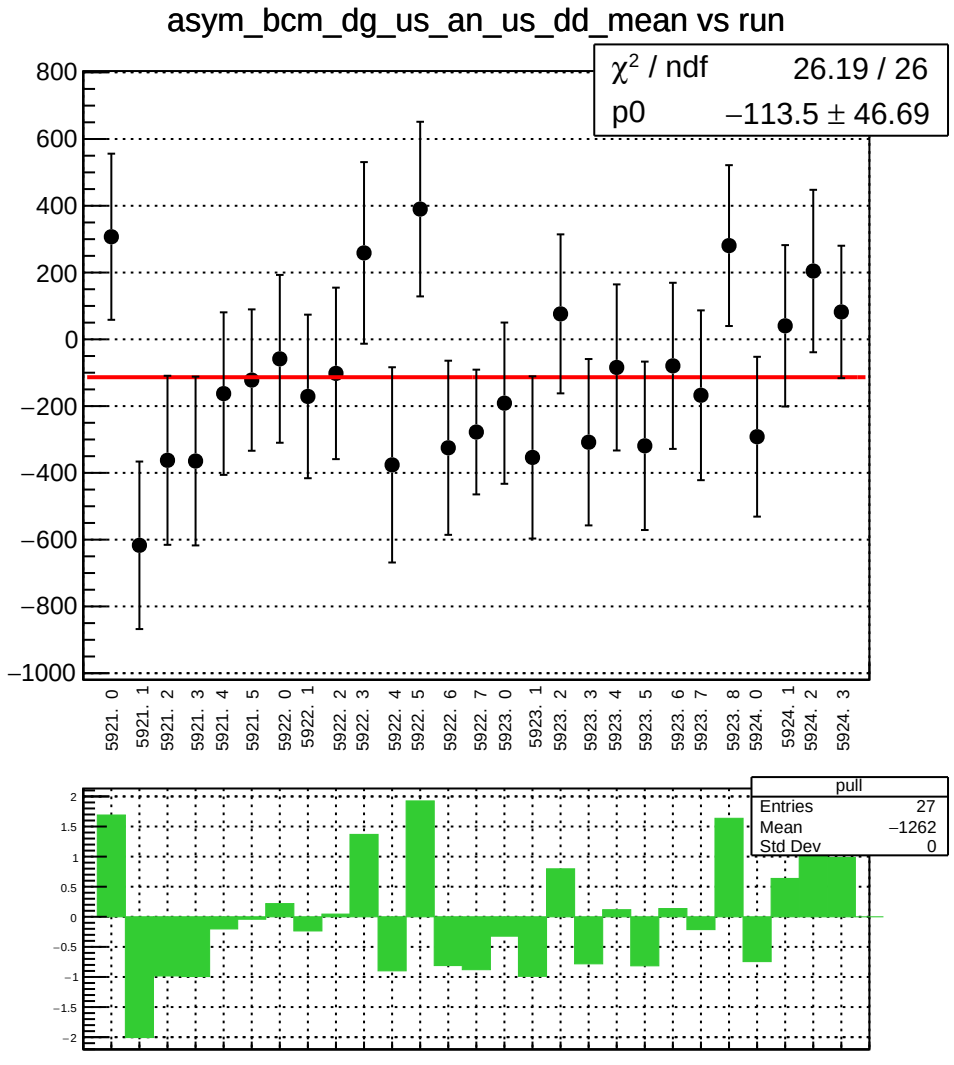

asym_bcm_cav4cQ_dg_ds_avg_rms vs run
χ² / ndf 2.588e+04 / 26
p0 246.2 ± 0.3513
700
600
500
400
300
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

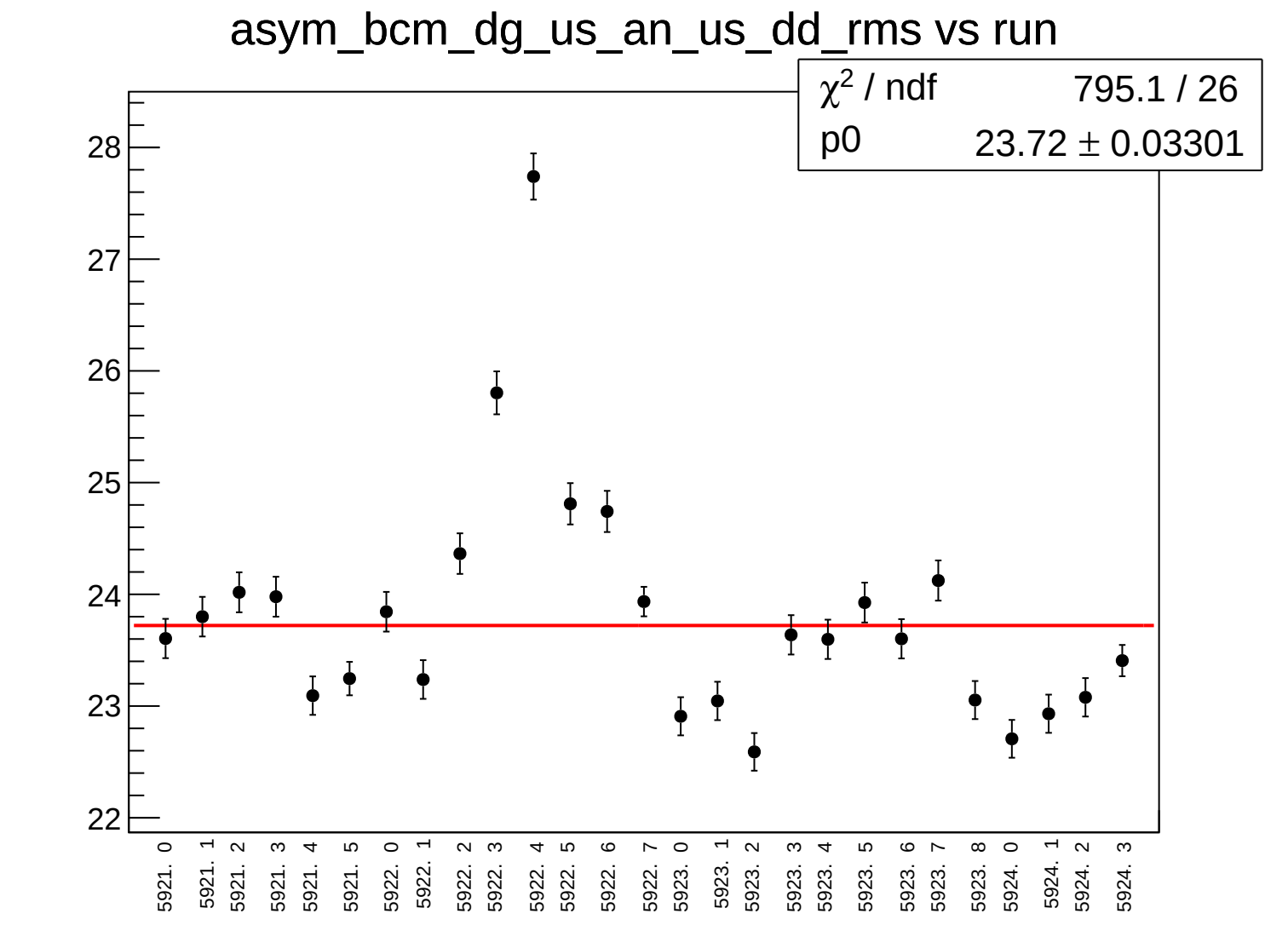

asym_bcm_cav4cQ_dg_ds_dd_mean vs run
χ² / ndf 27.89 / 26
p0 −116.4 ± 63.4
1000
500
0
−500
−1000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 67.82
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.01056
Std Dev 1.016
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

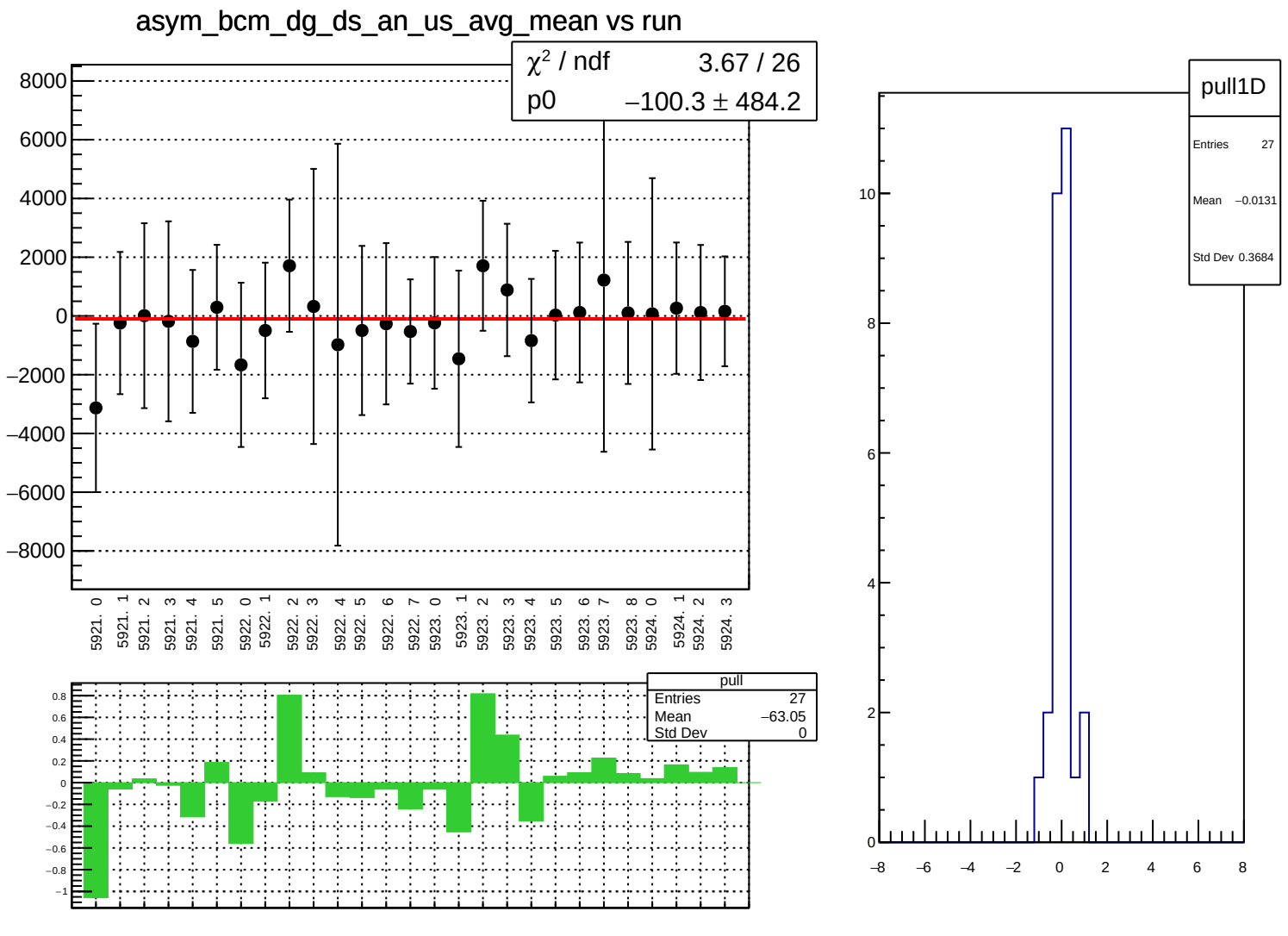

asym_bcm_cav4cQ_dg_ds_dd_rms vs run
χ² / ndf 1075 / 26
p0 32.21 ± 0.04483
37
36
35
34
33
32
31
30
29
28
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

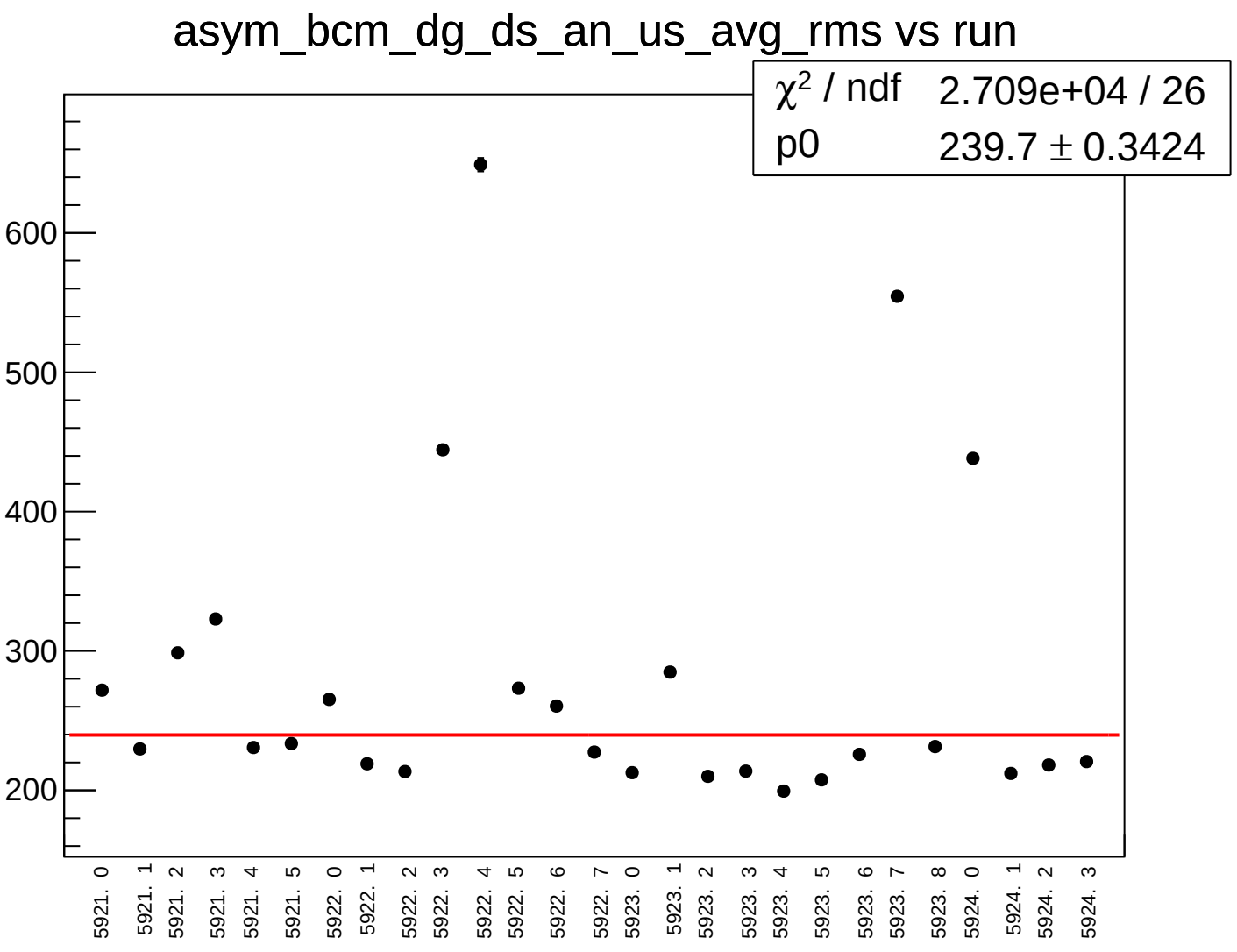

asym_bcm_dg_us_an_us_avg_mean vs run
χ² / ndf 3.559 / 26
p0 −206 ± 483.9
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −66.4
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 27
Mean −0.01463
Std Dev 0.3628
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

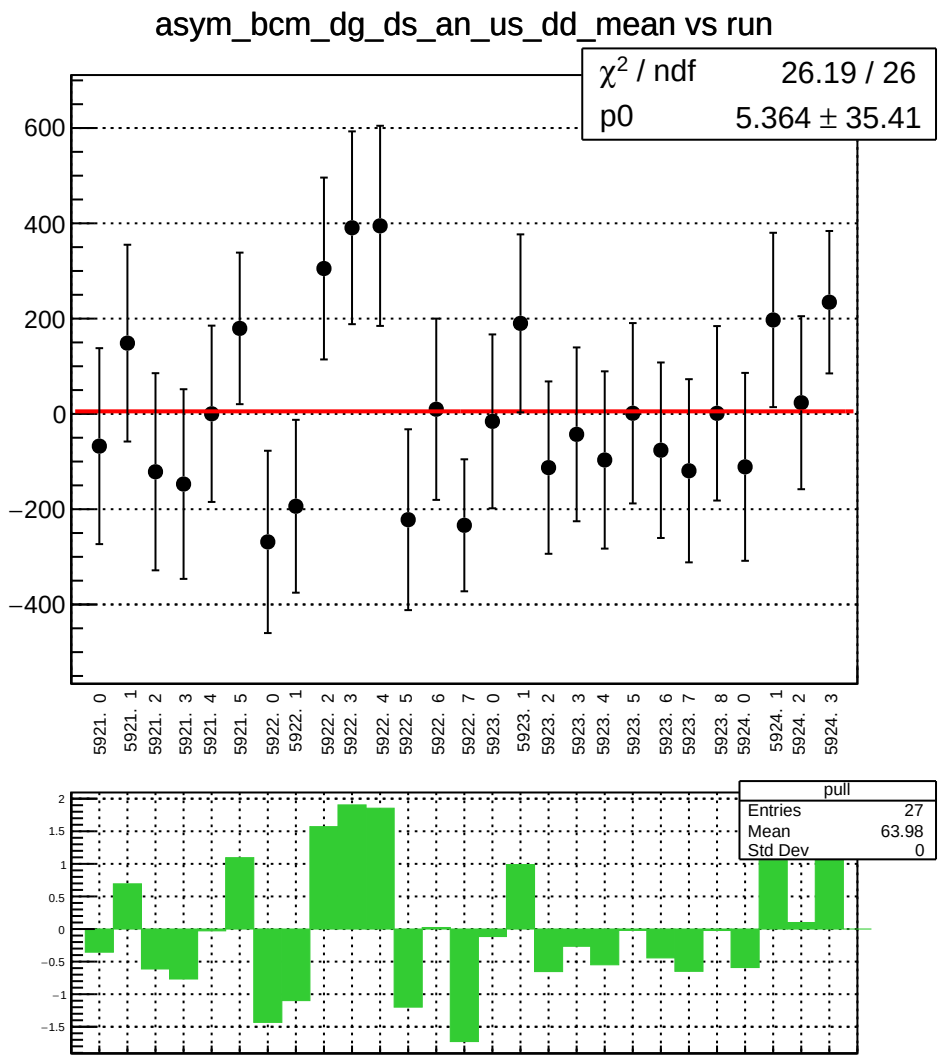

asym_bcm_dg_us_an_us_avg_rms vs run
χ² / ndf 2.711e+04 / 26
p0 239.5 ± 0.3421
700
600
500
400
300
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

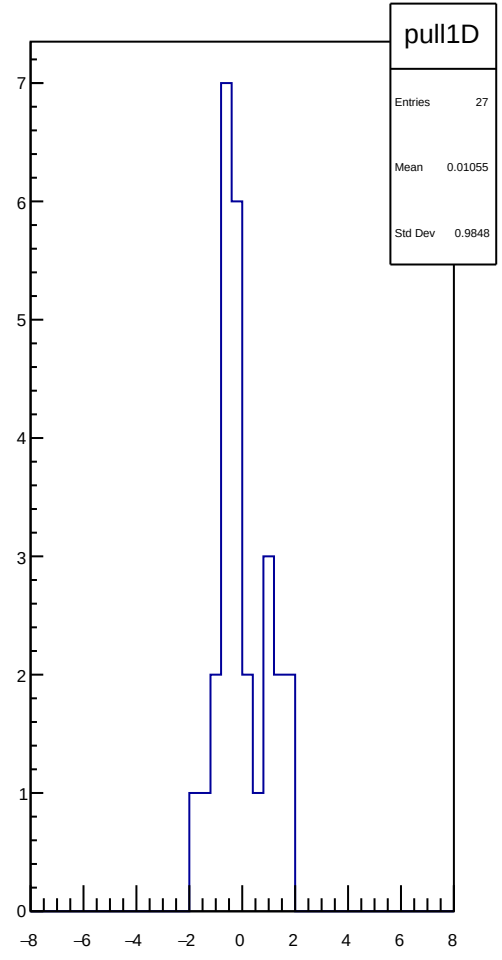

asym_bcm_dg_us_an_us_dd_mean vs run
χ² / ndf 26.19 / 26
p0 −113.5 ± 46.69
pull
Entries 27
Mean −1262
Std Dev 0
pull1D
Entries 27
Mean −0.001554
Std Dev 0.9849

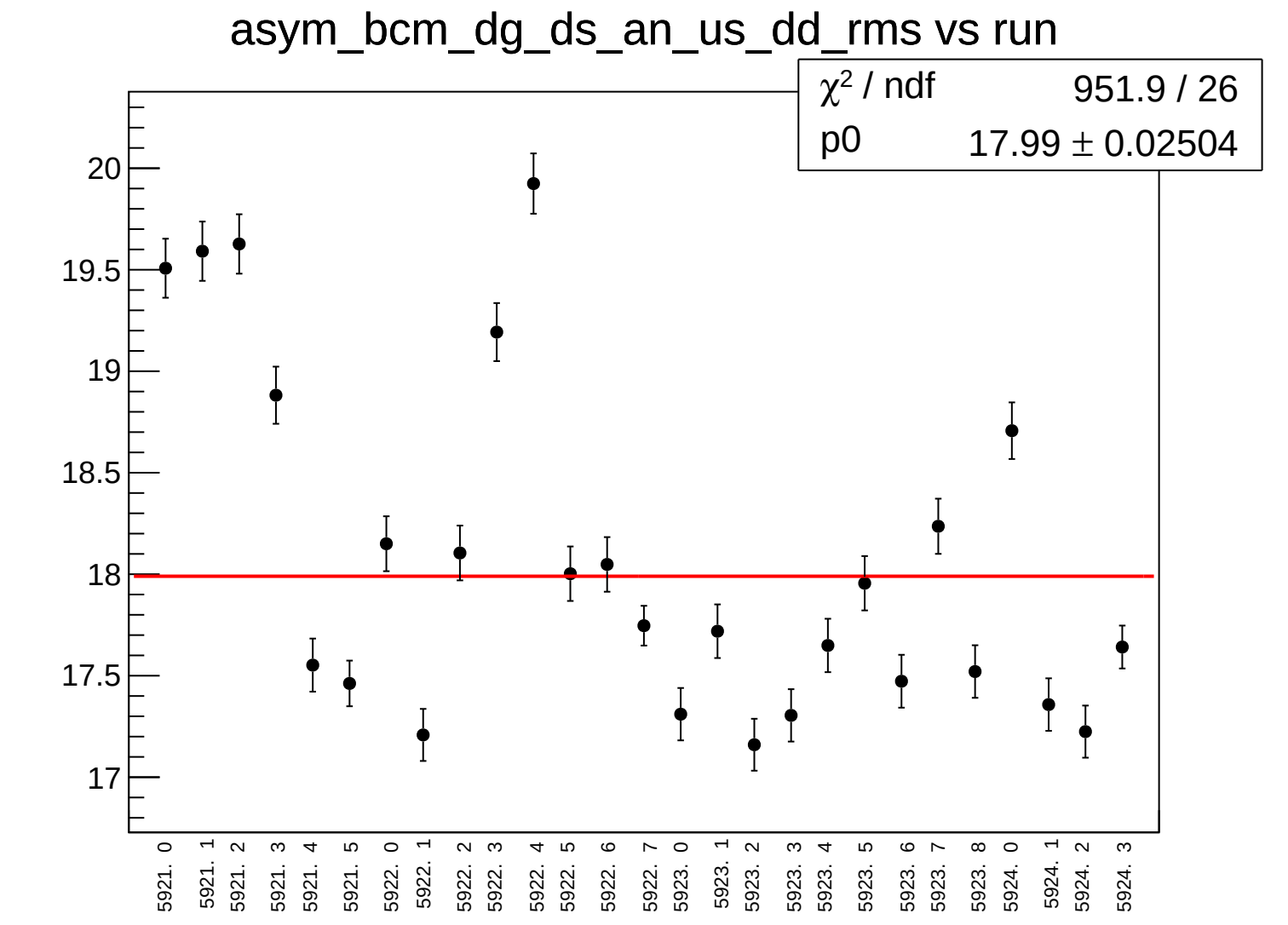

asym_bcm_dg_us_an_us_dd_rms vs run
χ² / ndf 795.1 / 26
p0 23.72 ± 0.03301
28
27
26
25
24
23
22
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

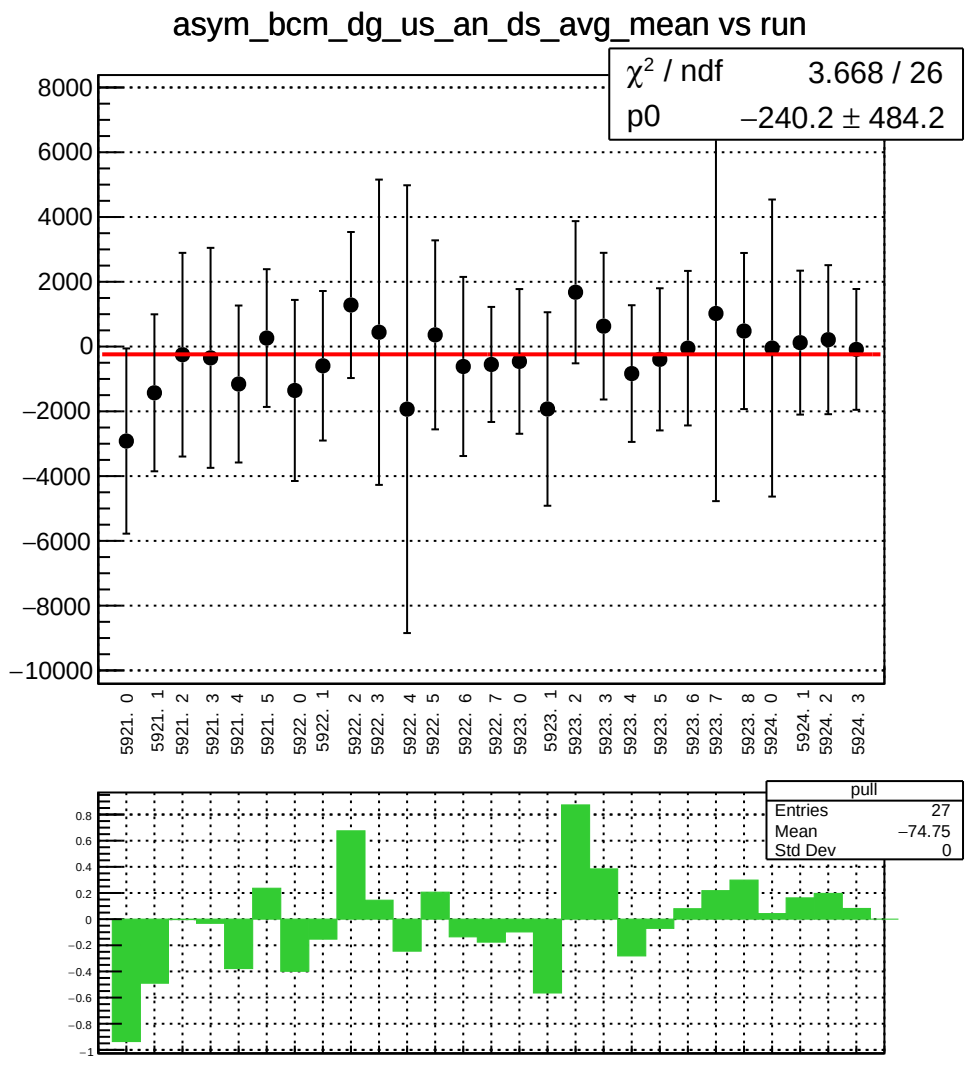

asym_bcm_dg_ds_an_us_avg_mean vs run
χ² / ndf 3.67 / 26
p0 −100.3 ± 484.2
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −63.05
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 27
Mean −0.0131
Std Dev 0.3684
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

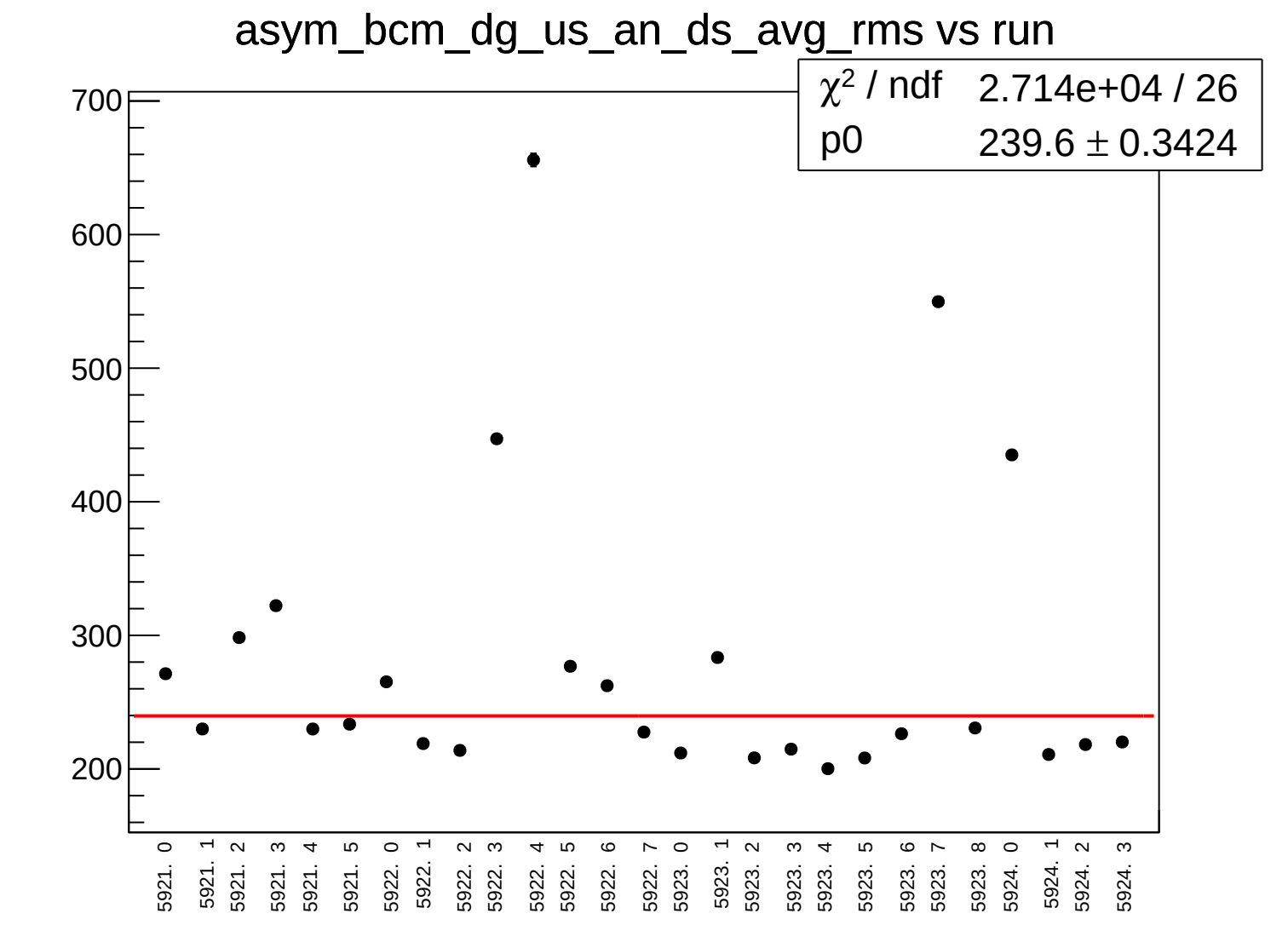

asym_bcm_dg_ds_an_us_avg_rms vs run
χ² / ndf 2.709e+04 / 26
p0 239.7 ± 0.3424
600
500
400
300
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

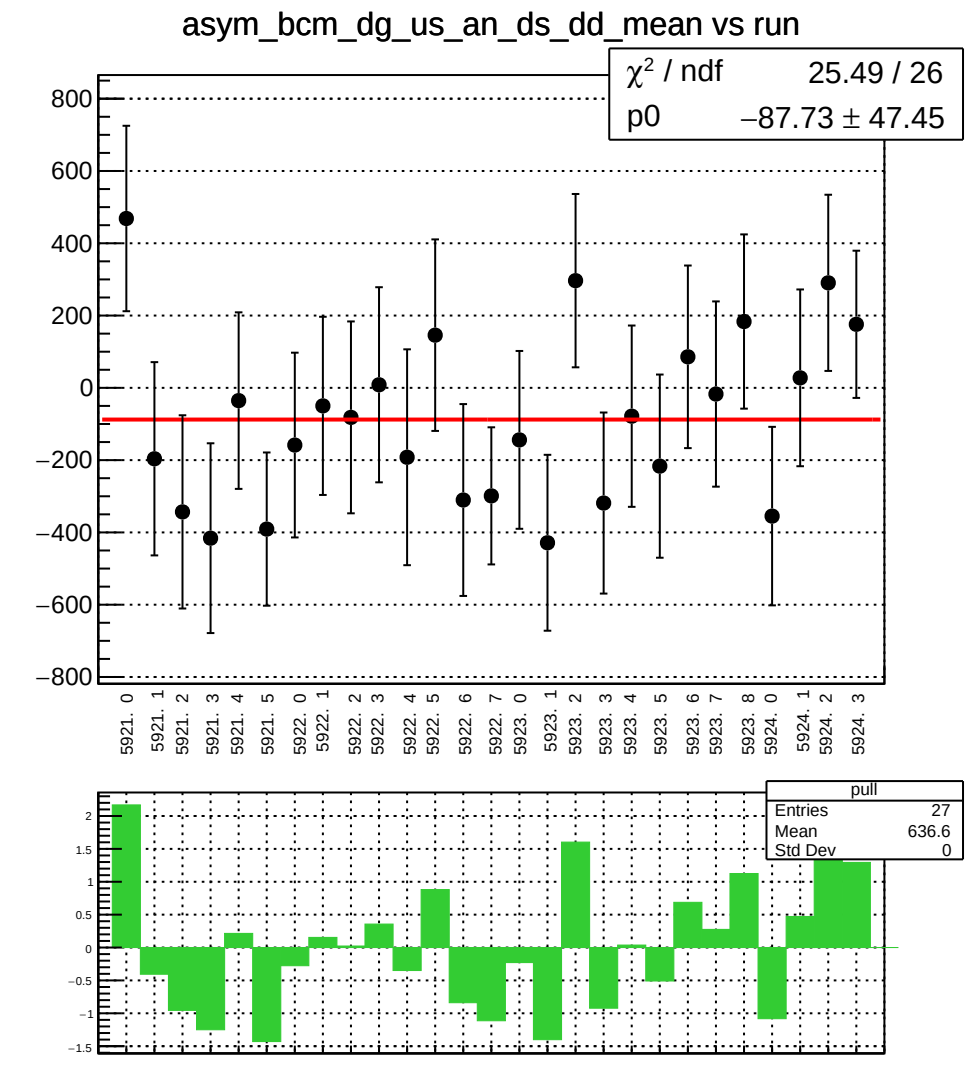

asym_bcm_dg_ds_an_us_dd_mean vs run
χ² / ndf 26.19 / 26
p0 5.364 ± 35.41
600
400
200
0
−200
−400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 63.98
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

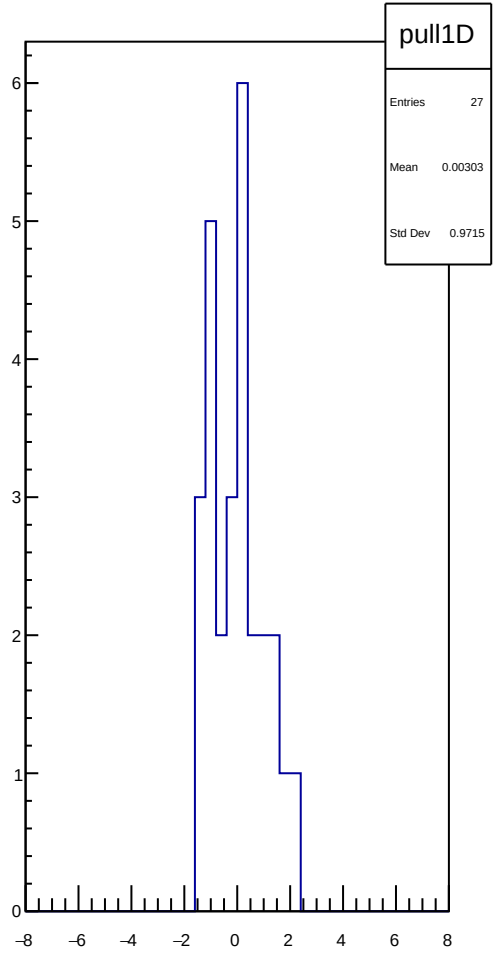

pull1D
Entries 27
Mean 0.01055
Std Dev 0.9848
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

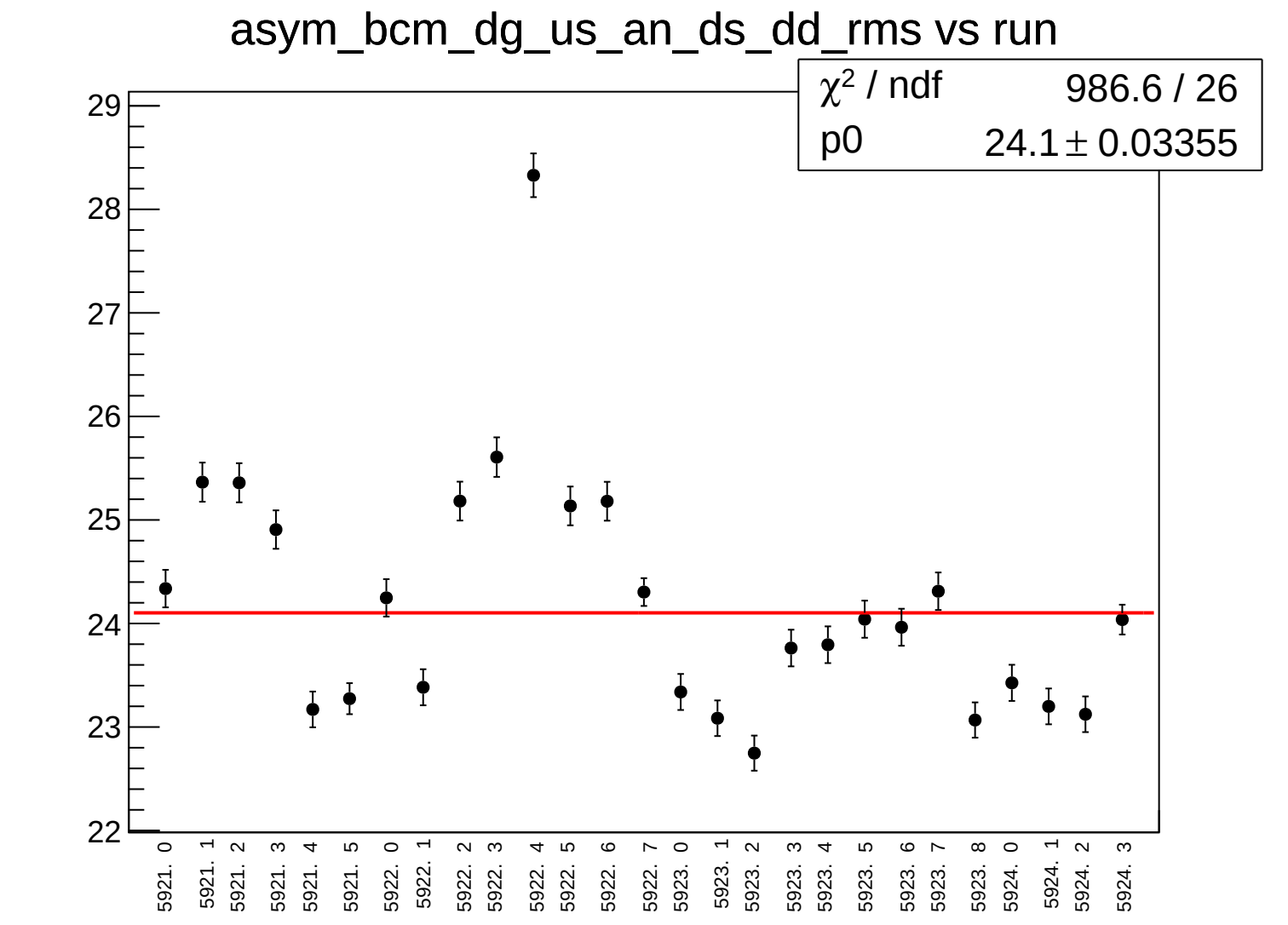

asym_bcm_dg_ds_an_us_dd_rms vs run
χ² / ndf 951.9 / 26
p0 17.99 ± 0.02504
20
19.5
19
18.5
18
17.5
17
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

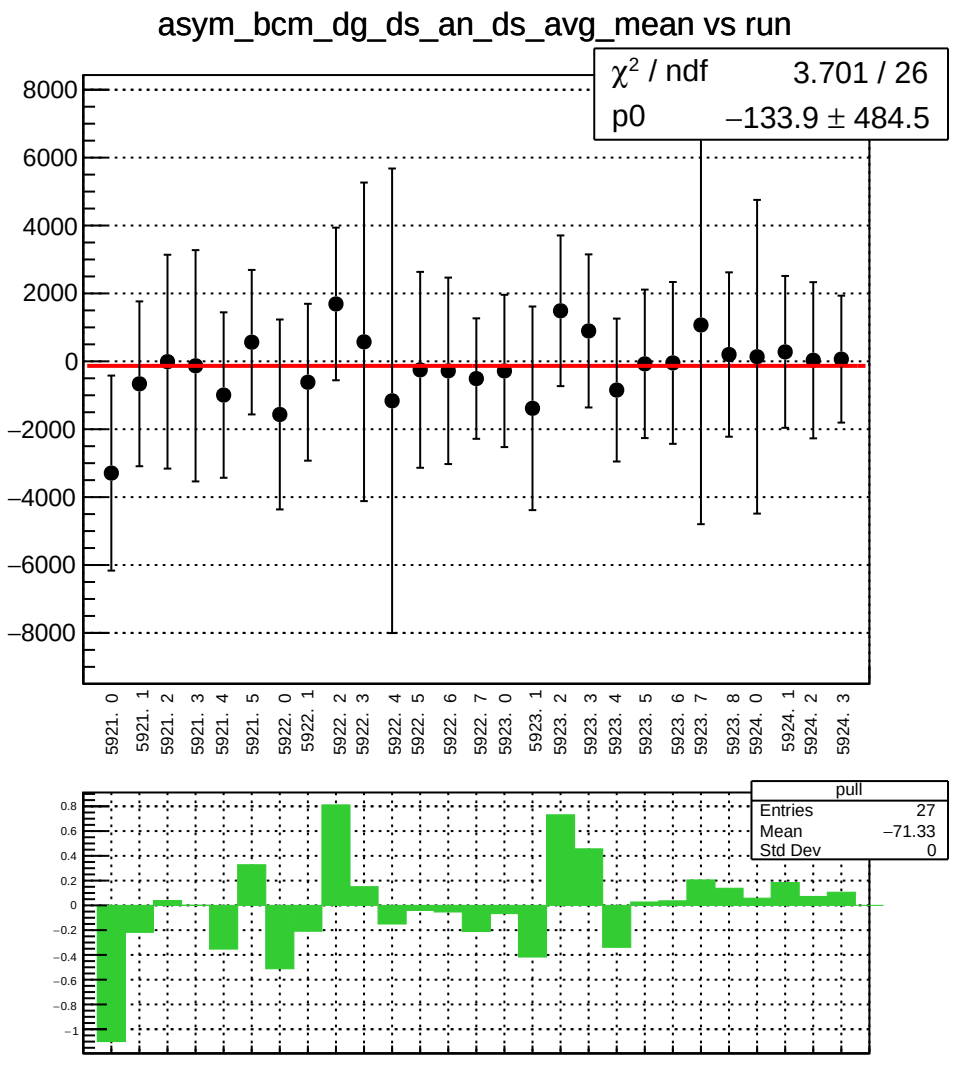

asym_bcm_dg_us_an_ds_avg_mean vs run
χ² / ndf 3.668 / 26
p0 −240.2 ± 484.2
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −74.75
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 27
Mean −0.01337
Std Dev 0.3683
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

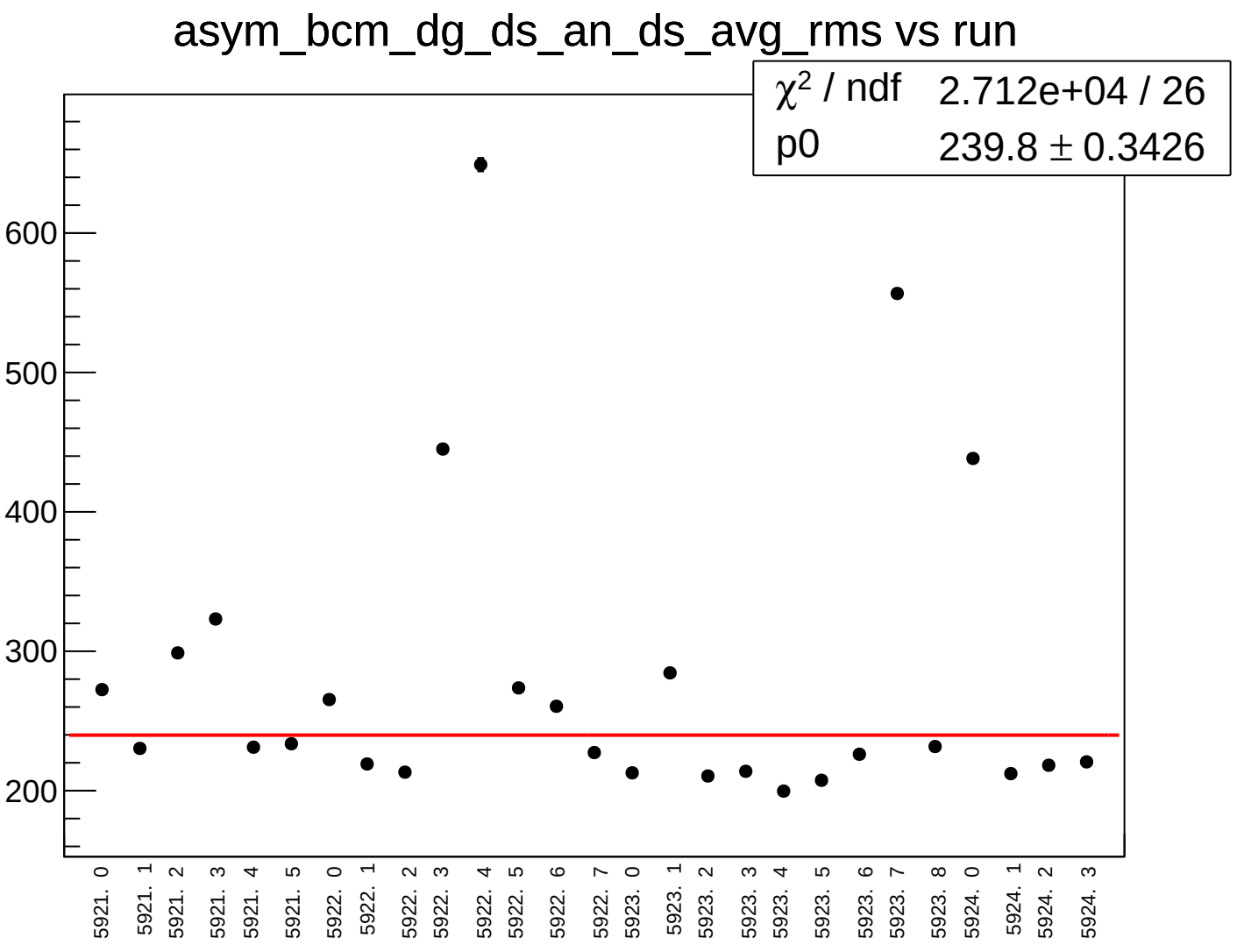

asym_bcm_dg_us_an_ds_avg_rms vs run
χ² / ndf 2.714e+04 / 26
p0 239.6 ± 0.3424
700
600
500
400
300
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

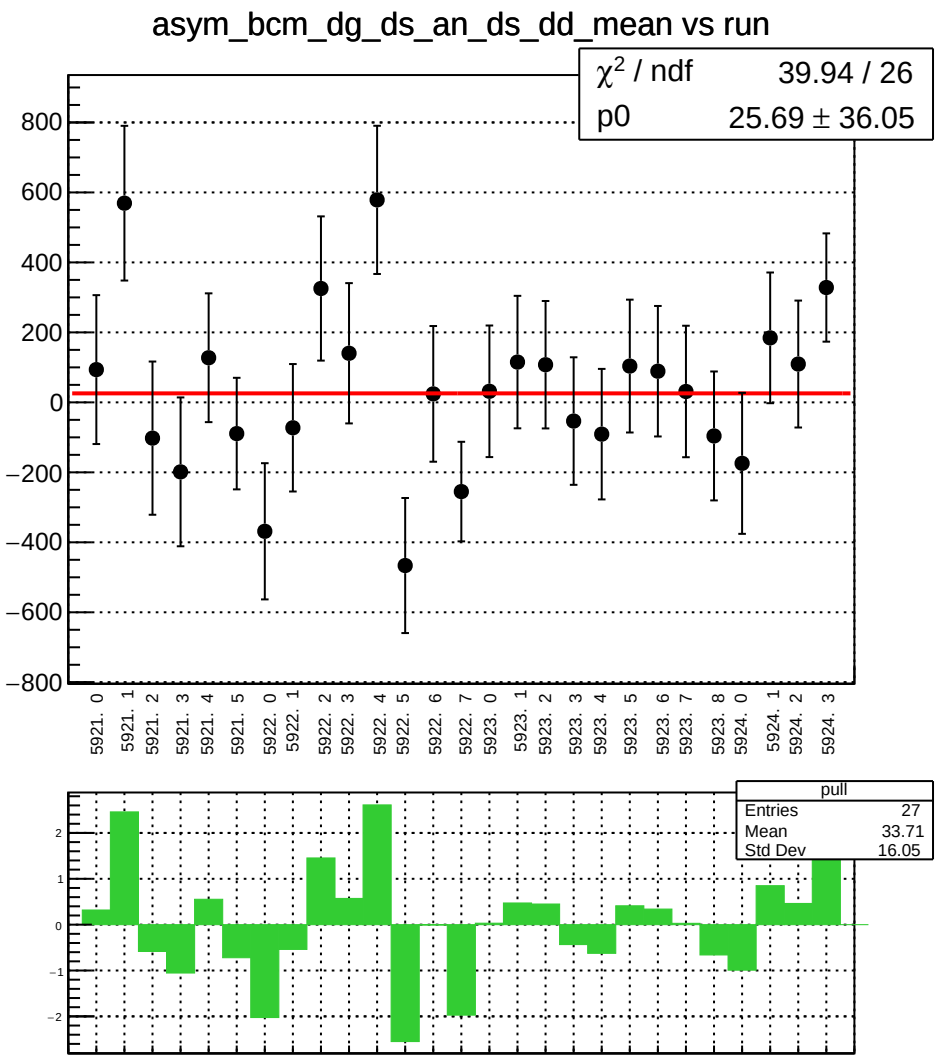

asym_bcm_dg_us_an_ds_dd_mean vs run
χ² / ndf 25.49 / 26
p0 −87.73 ± 47.45
800
600
400
200
0
−200
−400
−600
−800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 636.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

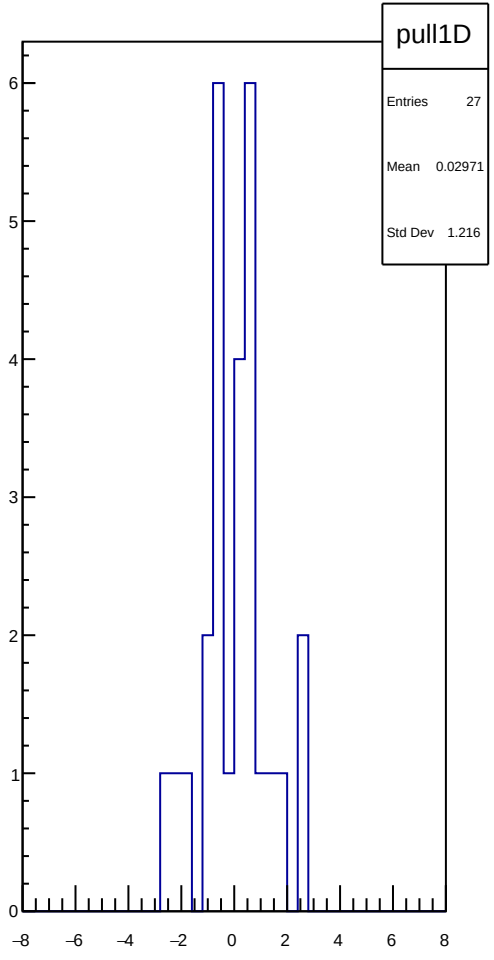

pull1D
Entries 27
Mean 0.00303
Std Dev 0.9715
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

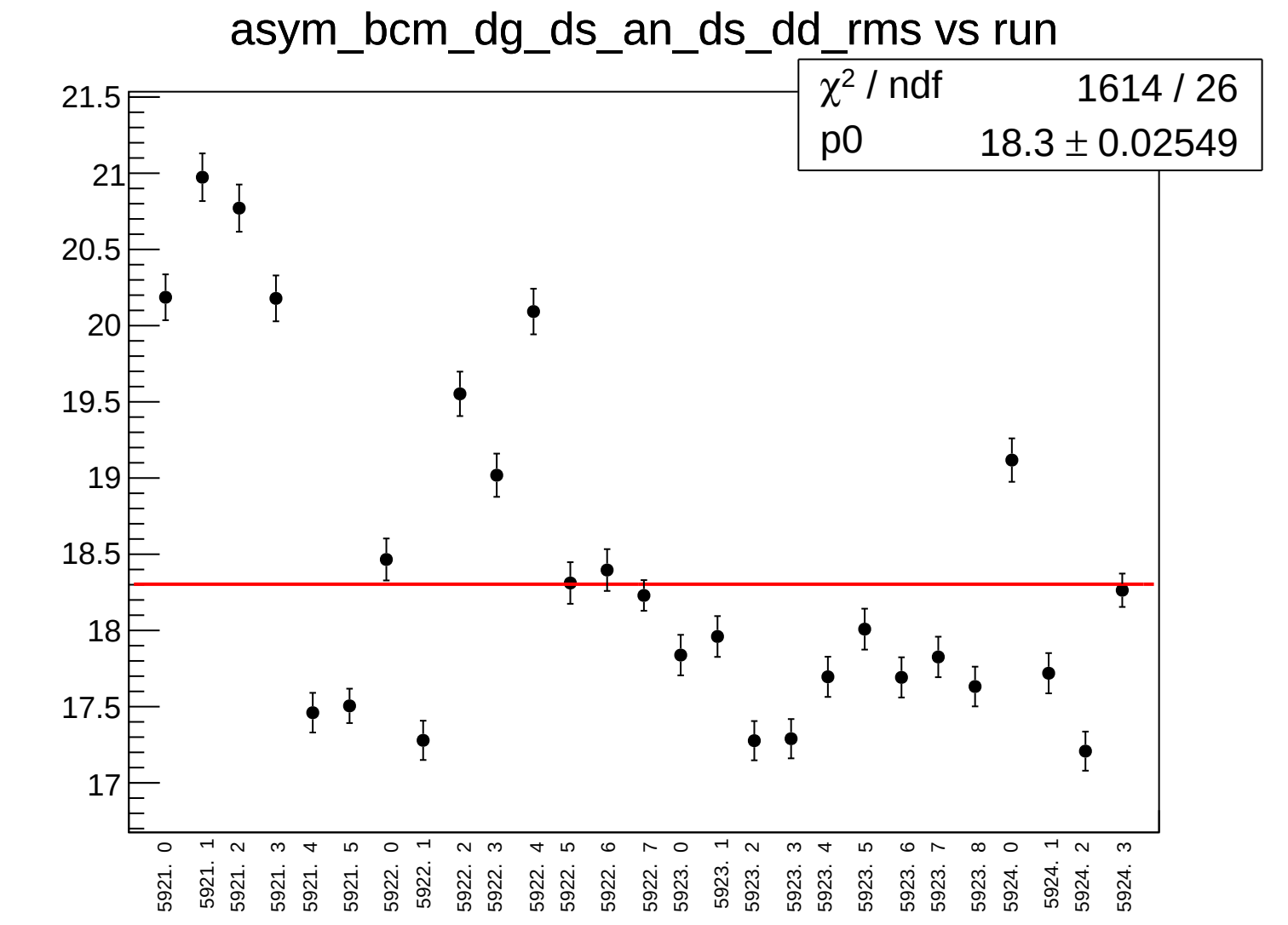

asym_bcm_dg_us_an_ds_dd_rms vs run
χ² / ndf 986.6 / 26
p0 24.1 ± 0.03355
29
28
27
26
25
24
23
22
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

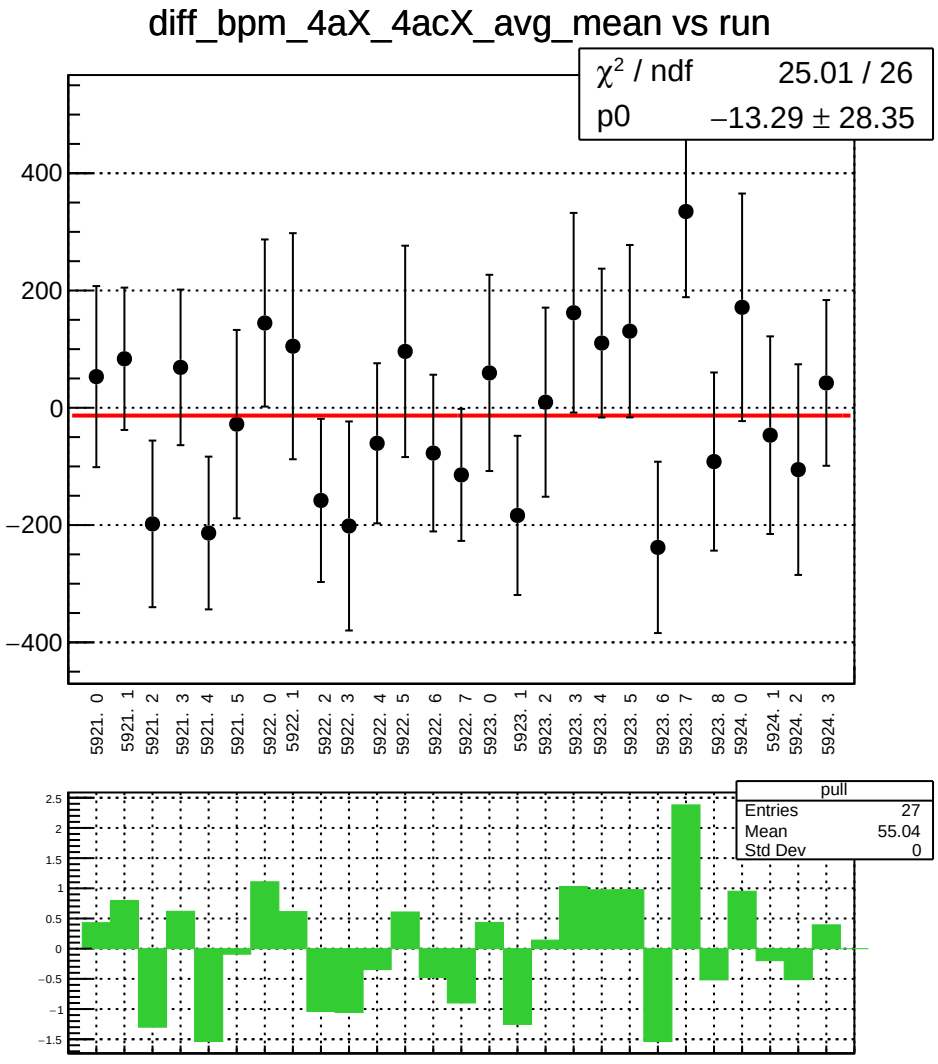

asym_bcm_dg_ds_an_ds_avg_mean vs run
χ² / ndf 3.701 / 26
p0 −133.9 ± 484.5
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −71.33
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 27
Mean −0.01195
Std Dev 0.37
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

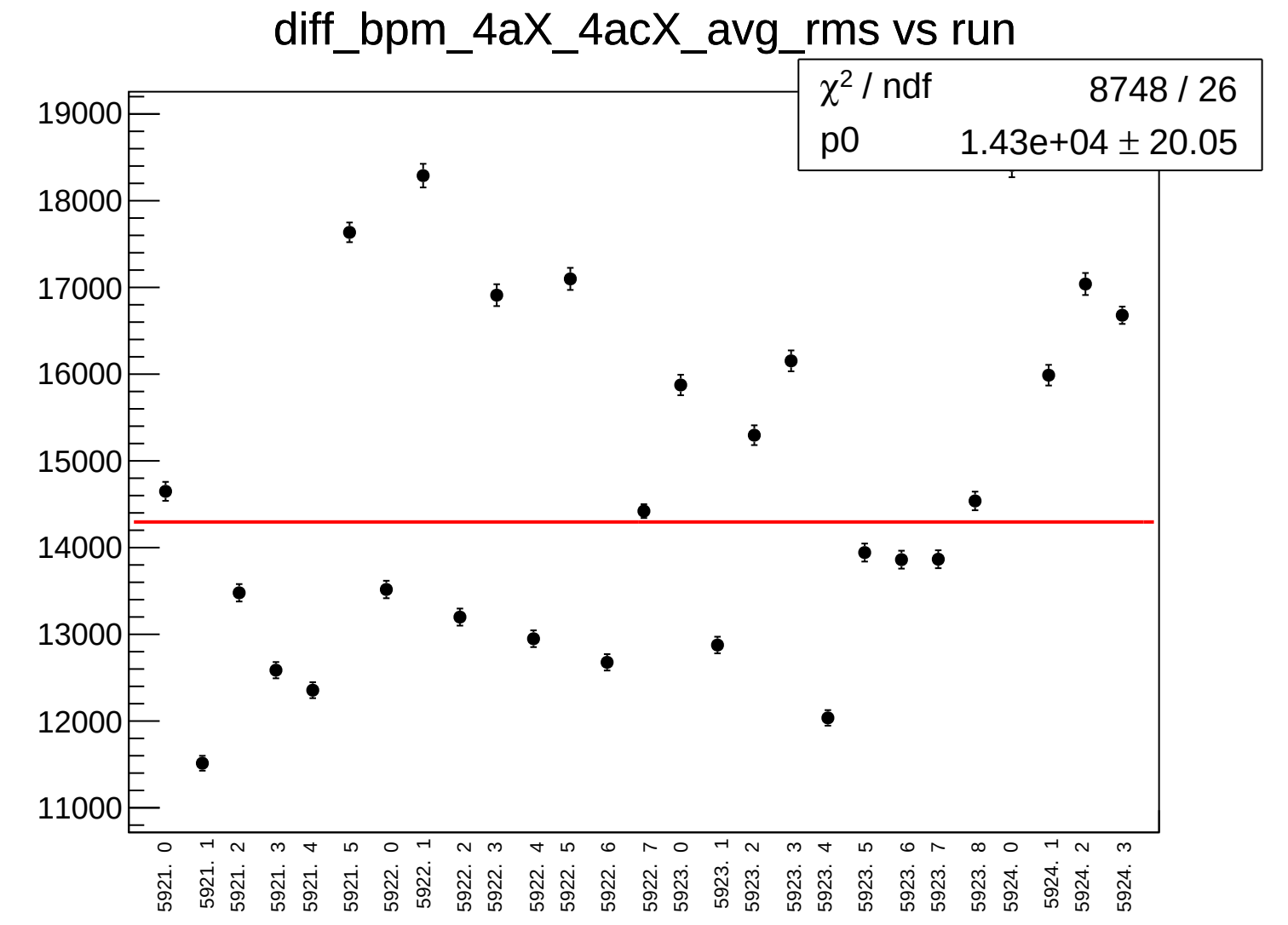

asym_bcm_dg_ds_an_ds_avg_rms vs run
χ² / ndf 2.712e+04 / 26
p0 239.8 ± 0.3426
600
500
400
300
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

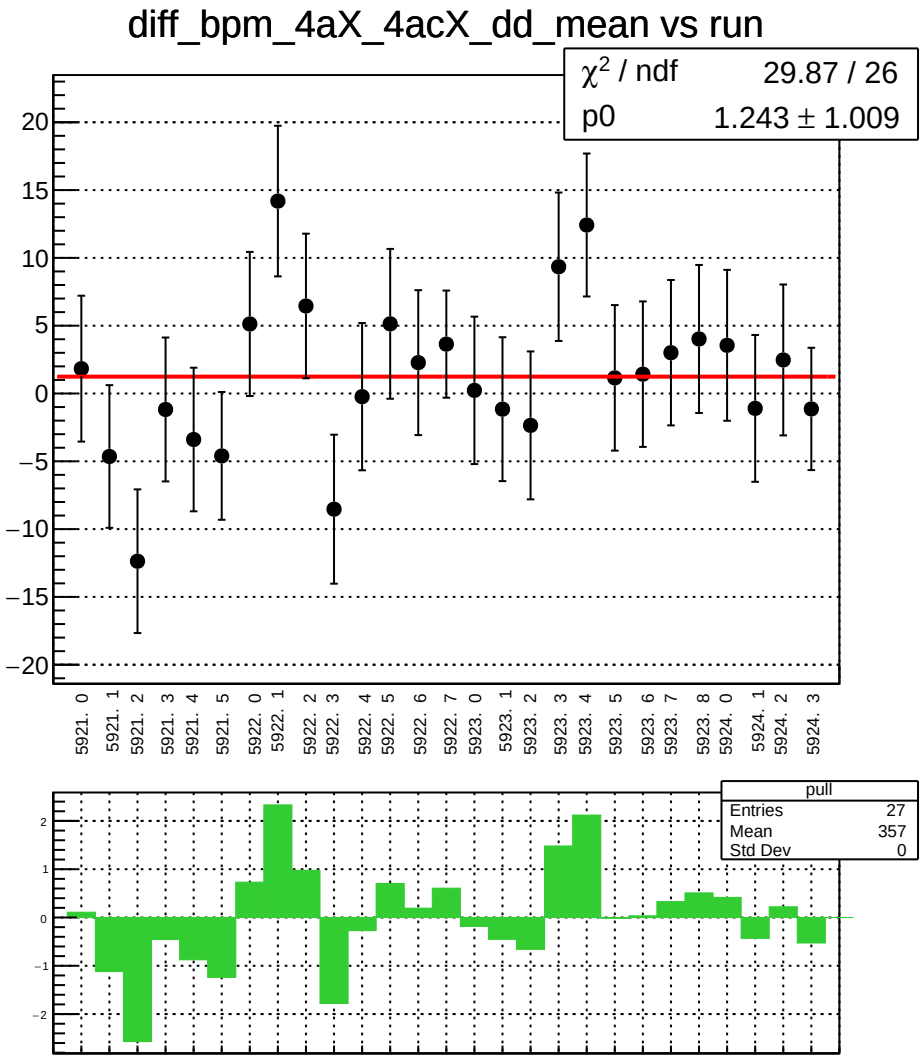

asym_bcm_dg_ds_an_ds_dd_mean vs run
χ² / ndf 39.94 / 26
p0 25.69 ± 36.05
800
600
400
200
0
−200
−400
−600
−800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 33.71
Std Dev 16.05
2
1
0
−1
−2

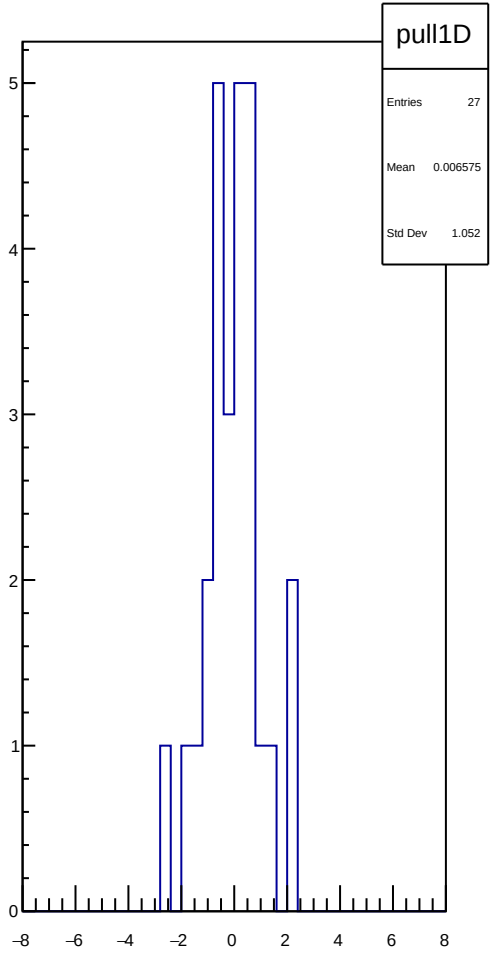

pull1D
Entries 27
Mean 0.02971
Std Dev 1.216
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

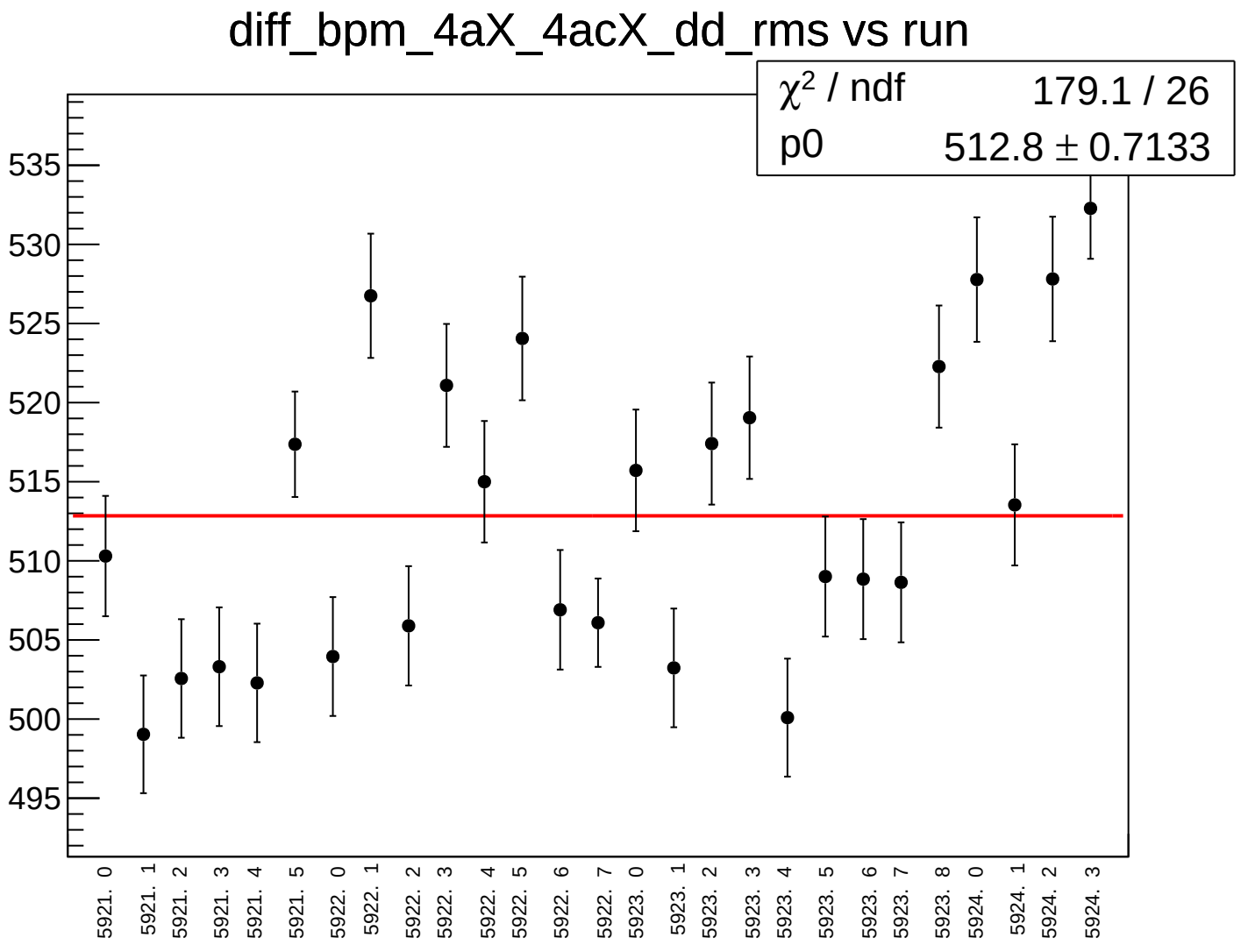

asym_bcm_dg_ds_an_ds_dd_rms vs run
χ² / ndf 1614 / 26
p0 18.3 ± 0.02549
21.5
21
20.5
20
19.5
19
18.5
18
17.5
17
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

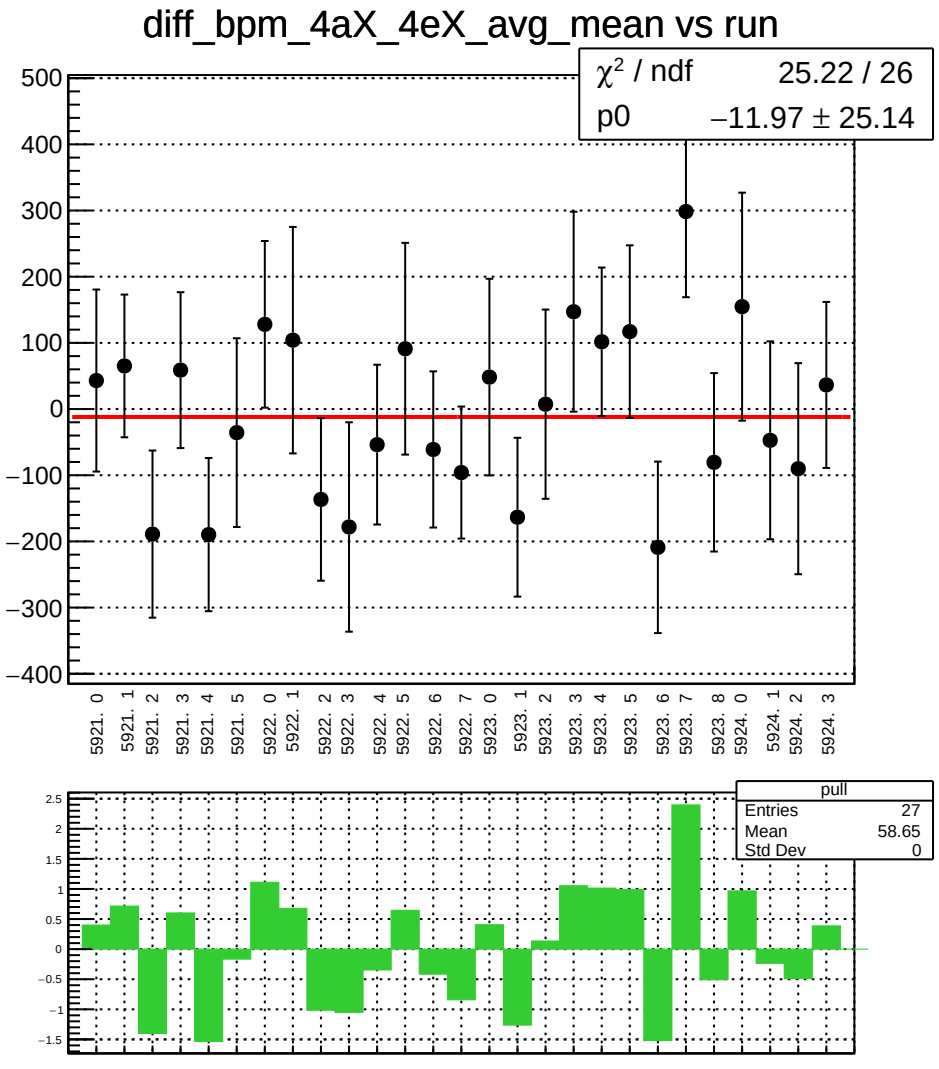

diff_bpm_4aX_4acX_avg_mean vs run
χ² / ndf 25.01 / 26
p0 −13.29 ± 28.35
400
200
0
−200
−400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 55.04
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.02581
Std Dev 0.9622
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

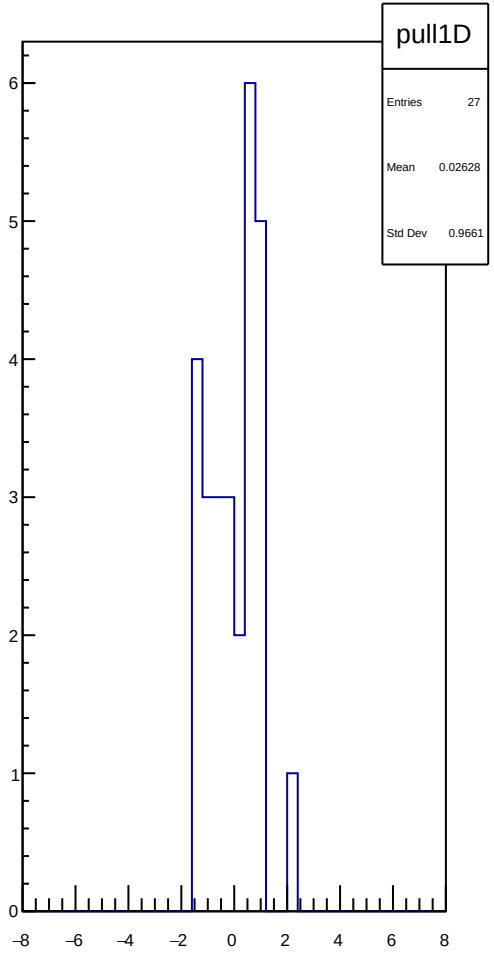

diff_bpm_4aX_4acX_avg_rms vs run
χ² / ndf 8748 / 26
p0 1.43e+04 ± 20.05
19000
18000
17000
16000
15000
14000
13000
12000
11000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

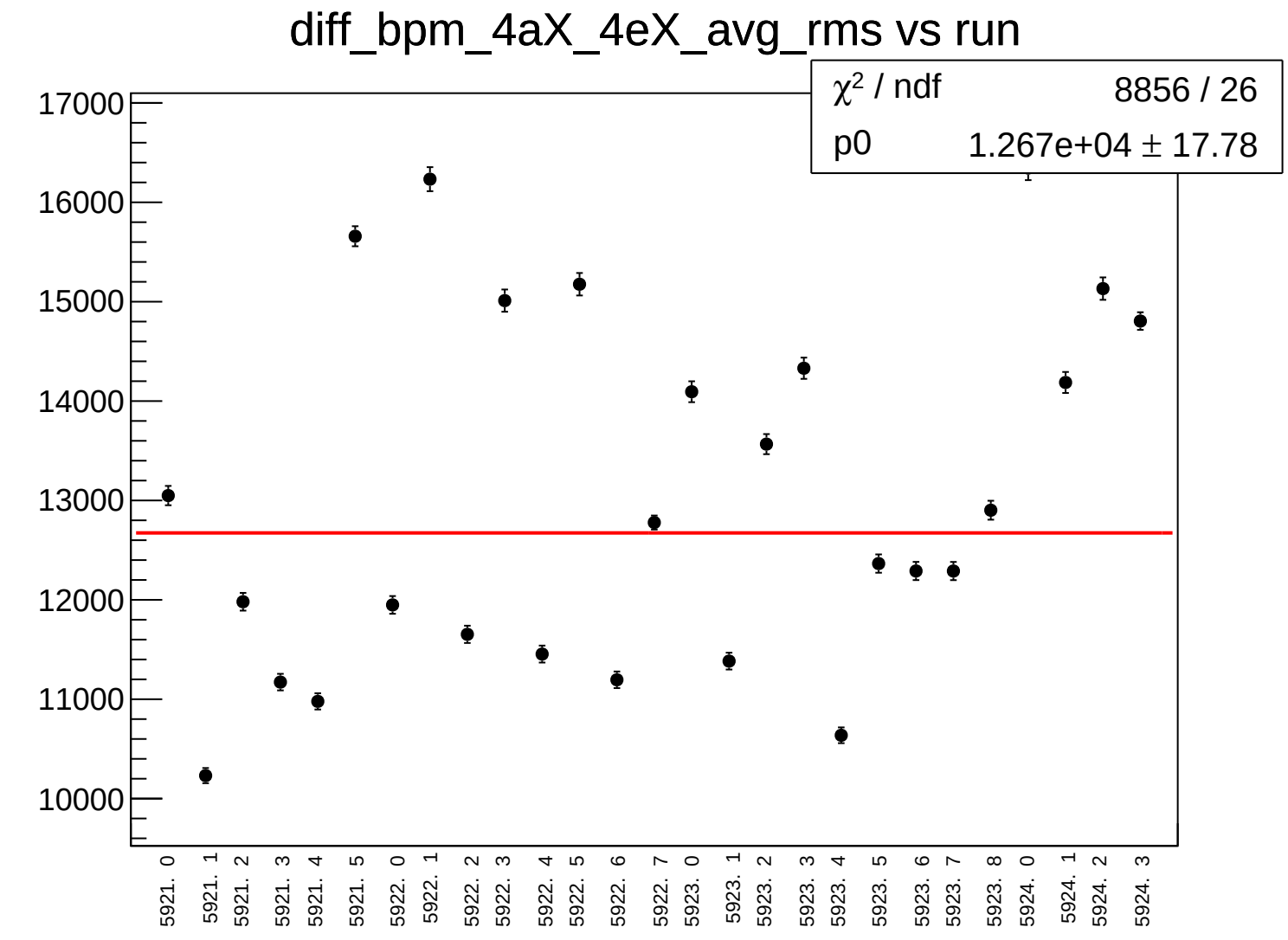

diff_bpm_4aX_4acX_dd_mean vs run
χ² / ndf 29.87 / 26
p0 1.243 ± 1.009
pull
Entries 27
Mean 357
Std Dev 0

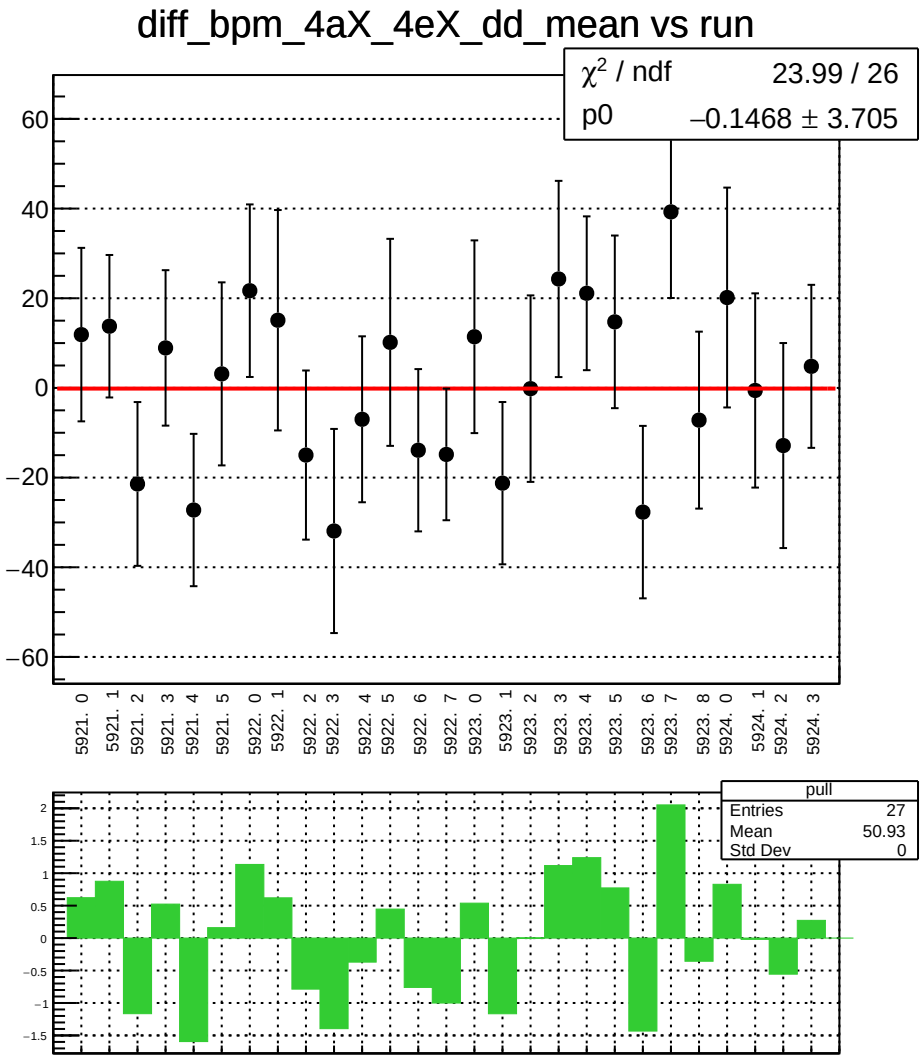

pull1D
Entries 27
Mean 0.006575
Std Dev 1.052

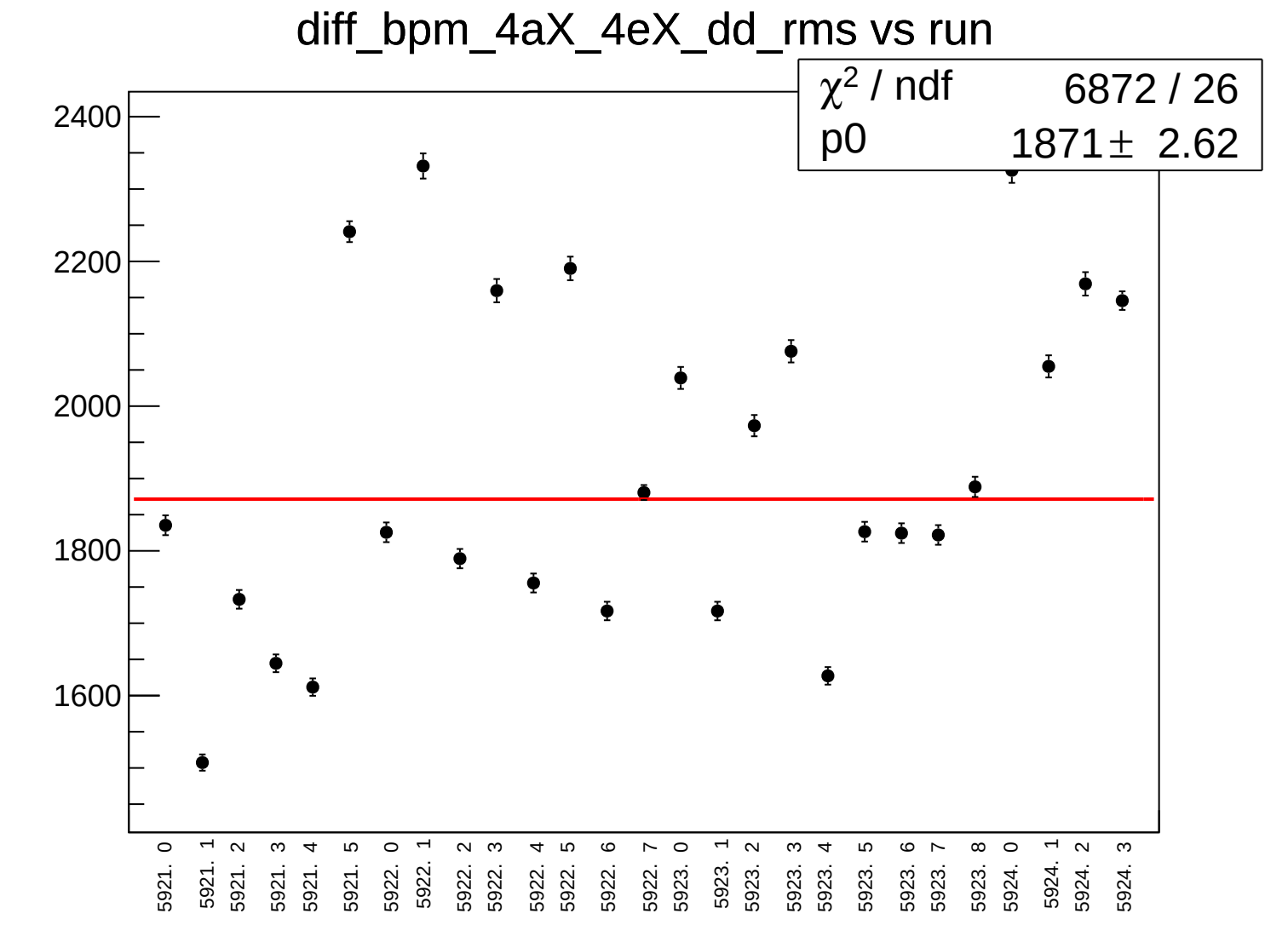

diff_bpm_4aX_4acX_dd_rms vs run
χ² / ndf 179.1 / 26
p0 512.8 ± 0.7133
535
530
525
520
515
510
505
500
495
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

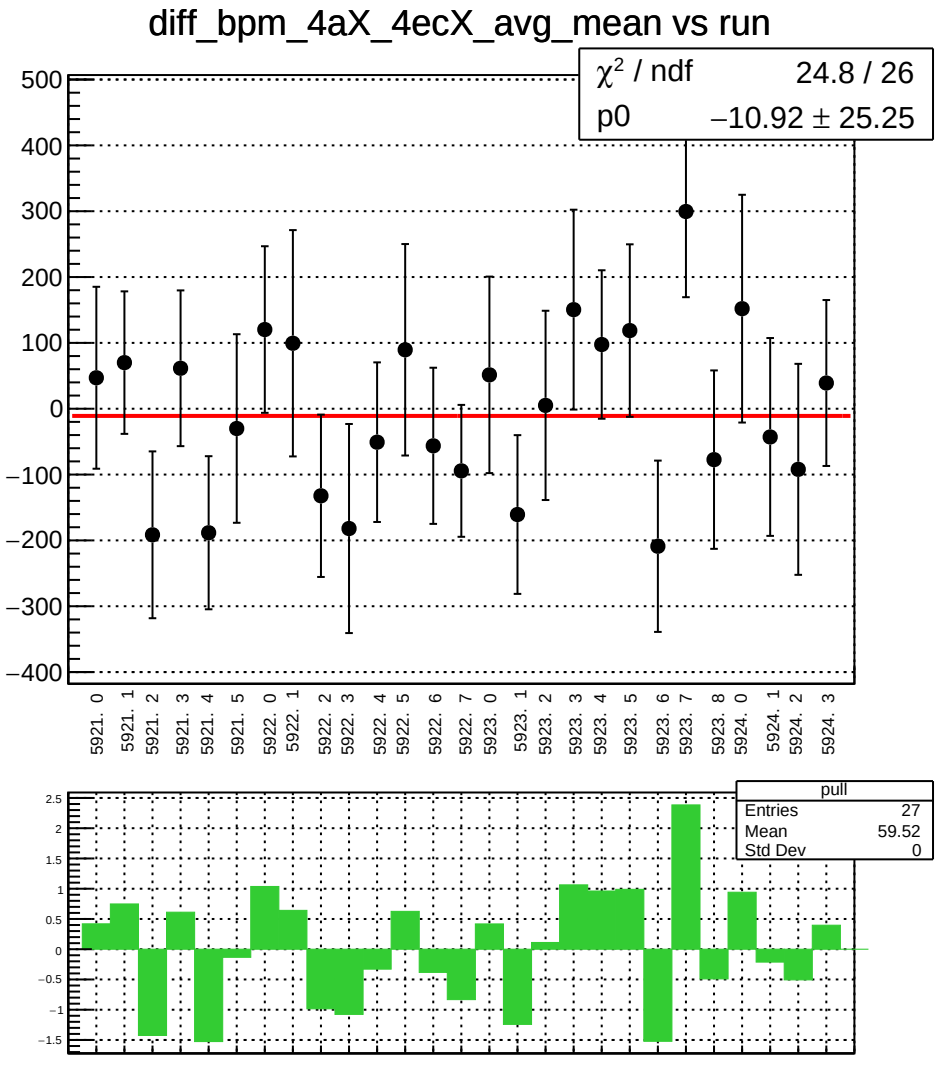

diff_bpm_4aX_4eX_avg_mean vs run
χ² / ndf 25.22 / 26
p0 −11.97 ± 25.14
pull
Entries 27
Mean 58.65
Std Dev 0

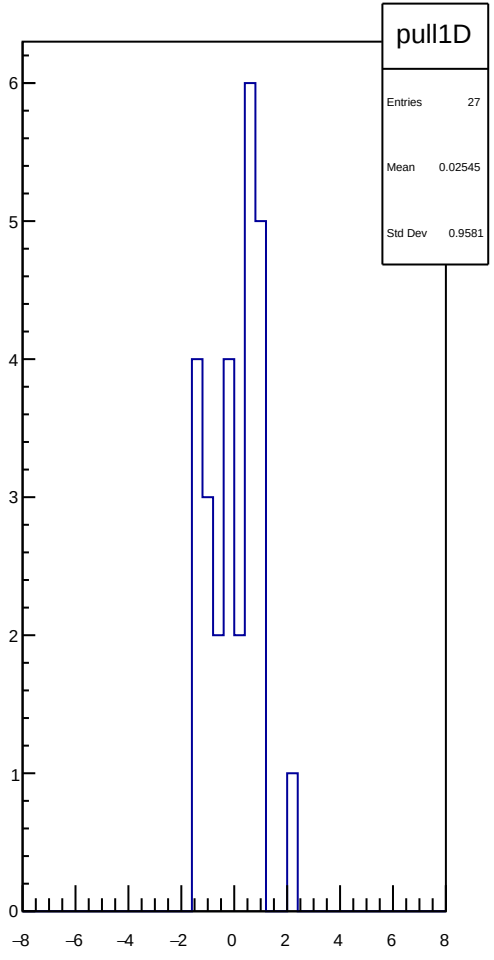

pull1D
Entries 27
Mean 0.02628
Std Dev 0.9661

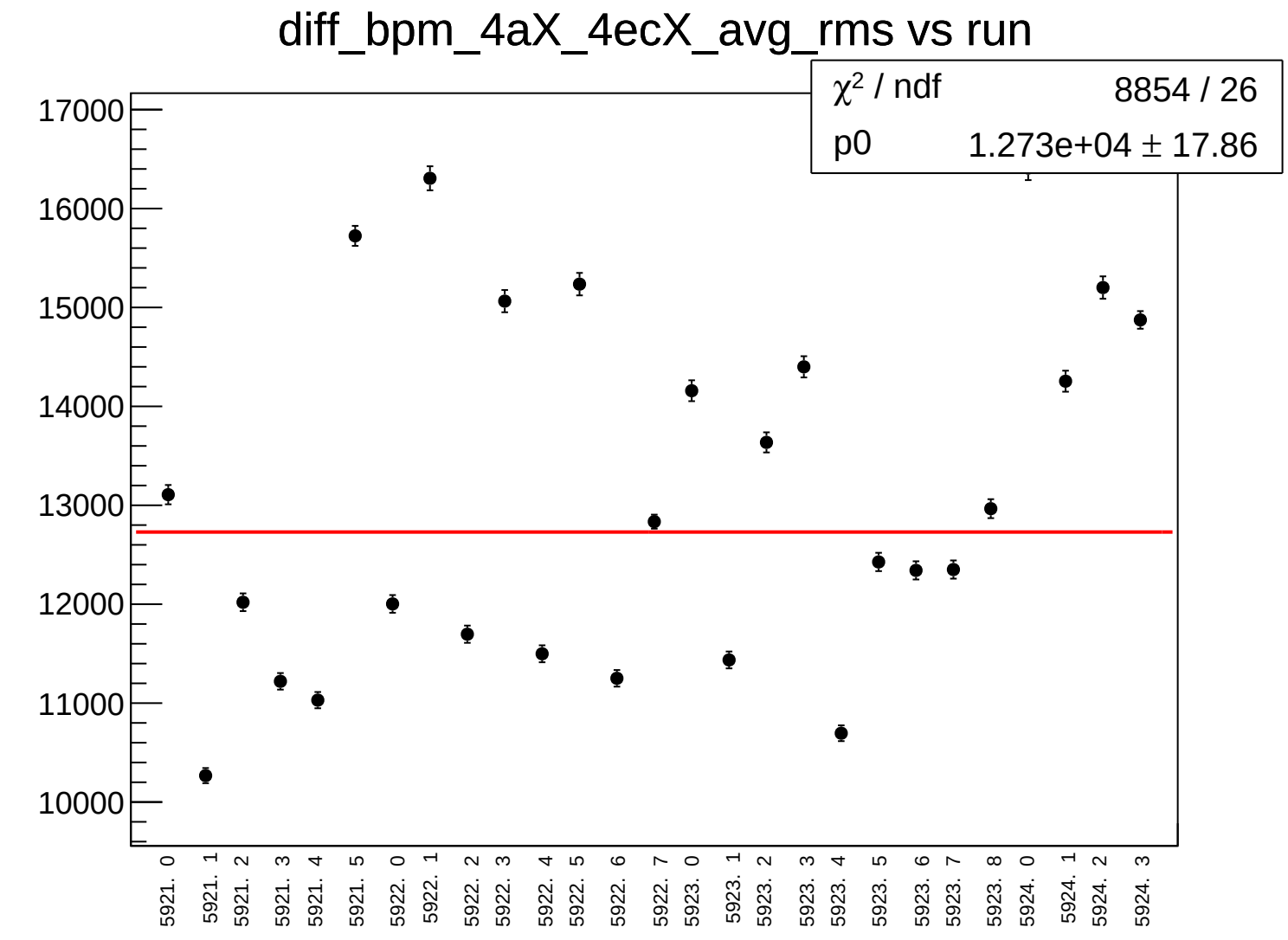

diff_bpm_4aX_4eX_avg_rms vs run
χ² / ndf 8856 / 26
p0 1.267e+04 ± 17.78
17000
16000
15000
14000
13000
12000
11000
10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

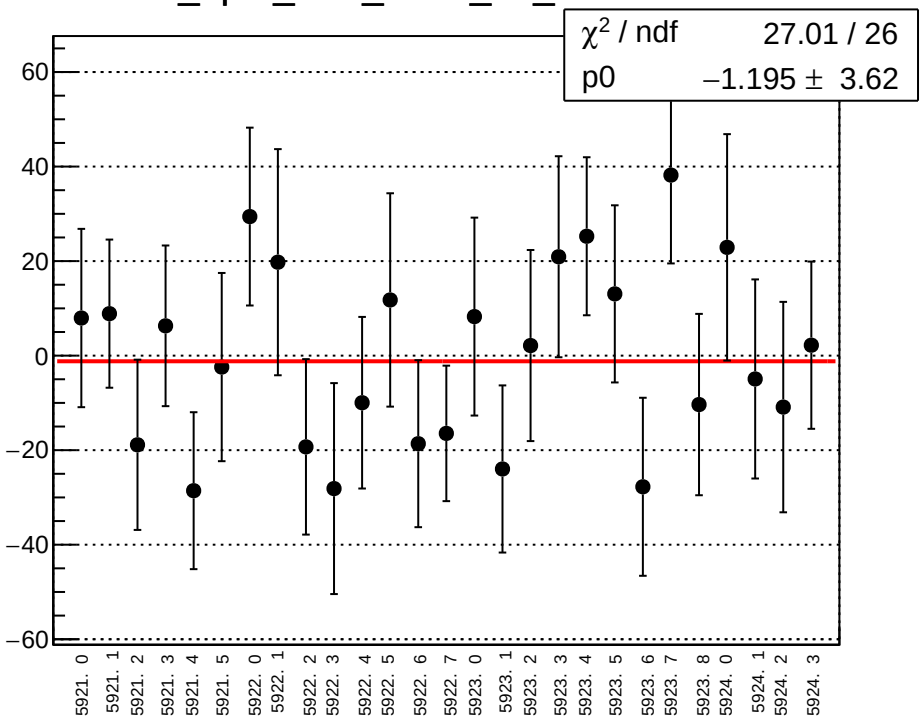

diff_bpm_4aX_4eX_dd_mean vs run
χ² / ndf 23.99 / 26
p0 −0.1468 ± 3.705
60
40
20
0
−20
−40
−60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 50.93
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.02227
Std Dev 0.9424
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

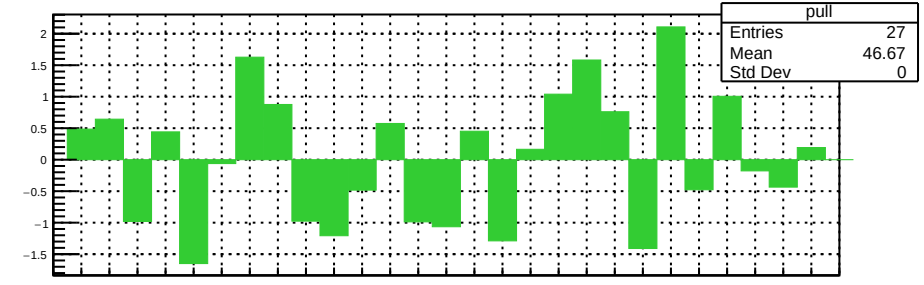

diff_bpm_4aX_4eX_dd_rms vs run
χ² / ndf 6872 / 26
p0 1871 ± 2.62
2400
2200
2000
1800
1600
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

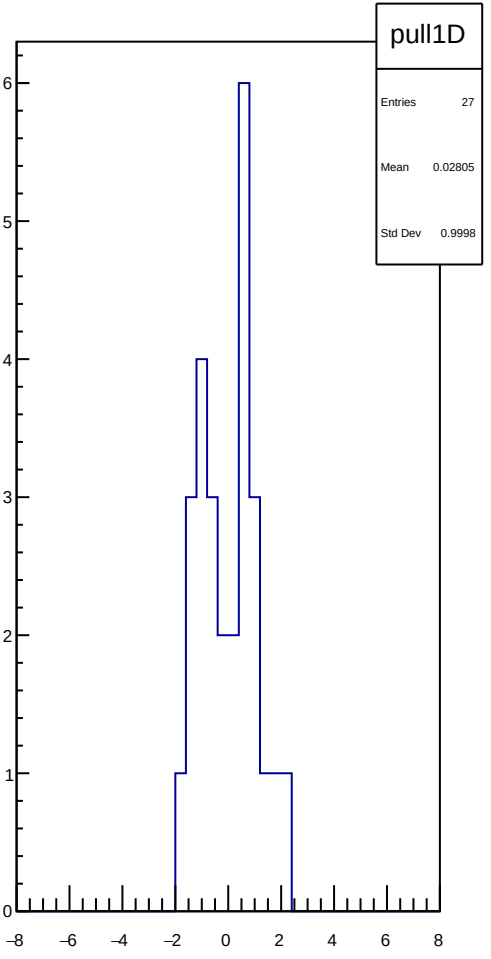

diff_bpm_4aX_4ecX_avg_mean vs run
χ² / ndf 24.8 / 26
p0 −10.92 ± 25.25
pull
Entries 27
Mean 59.52
Std Dev 0

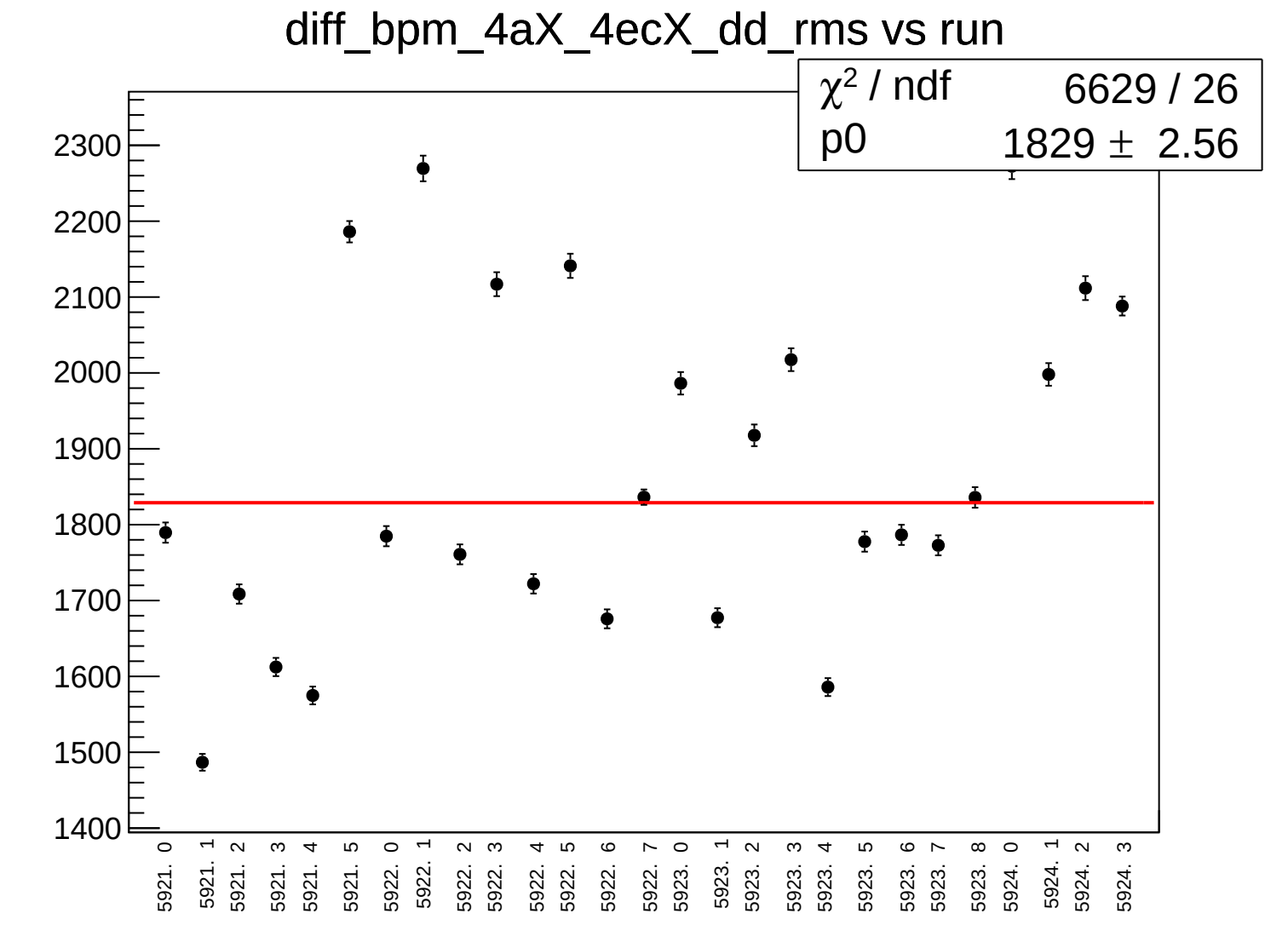

pull1D
Entries 27
Mean 0.02545
Std Dev 0.9581

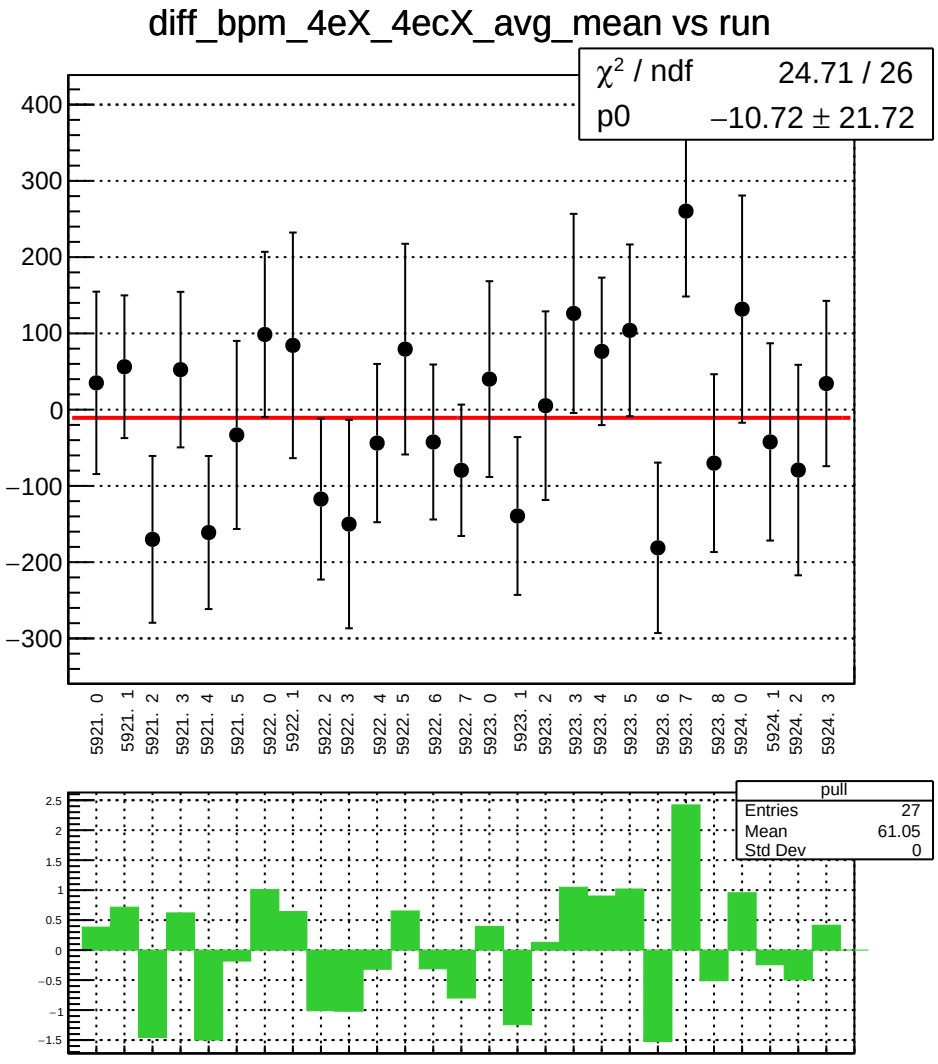

diff_bpm_4aX_4ecX_avg_rms vs run
χ² / ndf 8854 / 26
p0 1.273e+04 ± 17.86
17000
16000
15000
14000
13000
12000
11000
10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

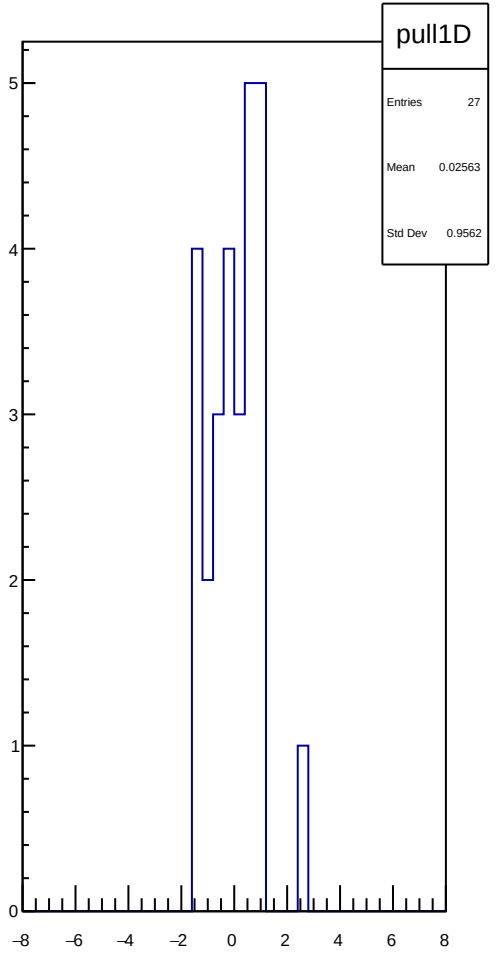

diff_bpm_4aX_4ecX_dd_mean vs run
χ² / ndf 27.01 / 26
p0 −1.195 ± 3.62
60
40
20
0
−20
−40
−60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

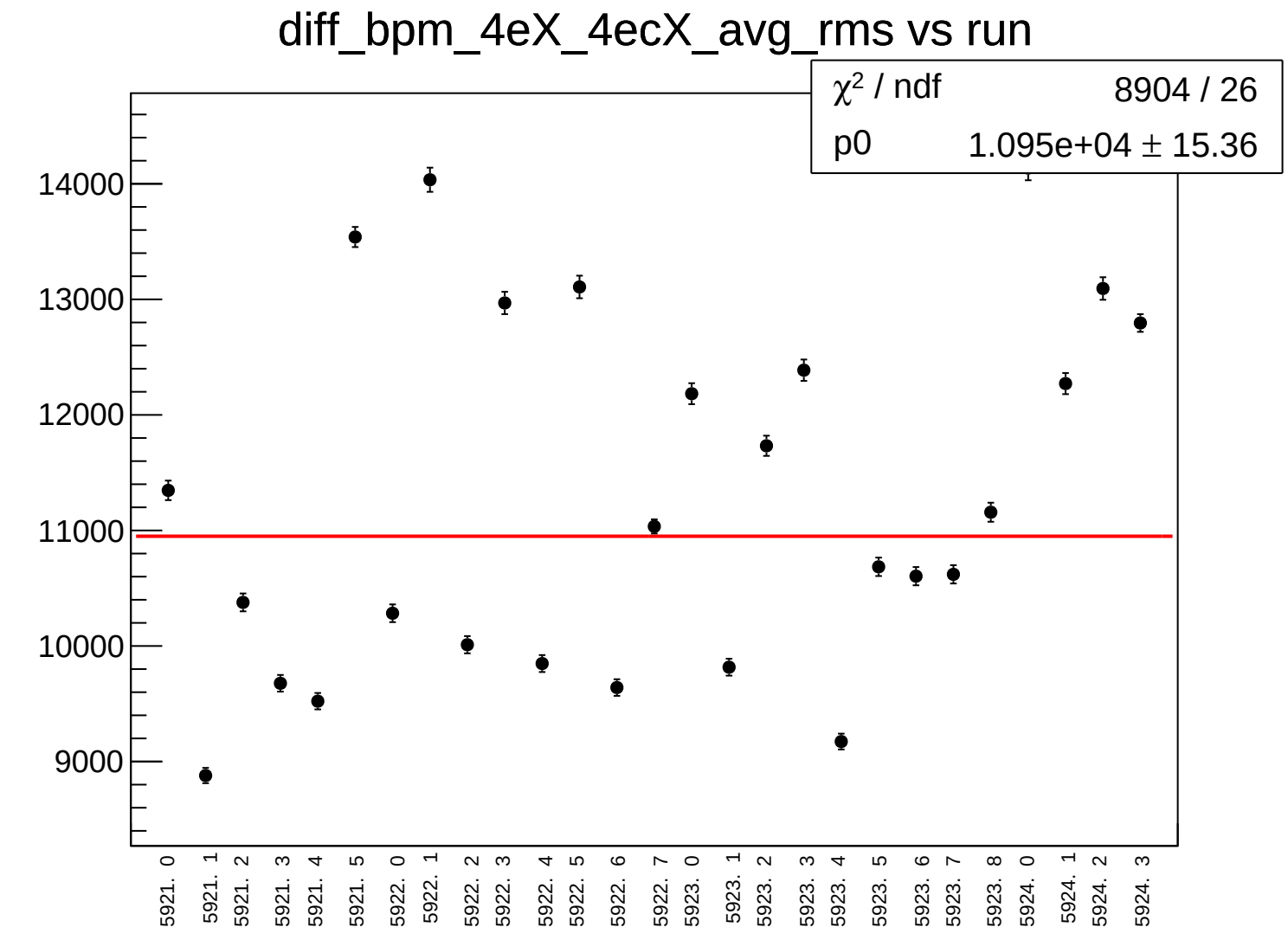

pull
Entries 27
Mean 46.67
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

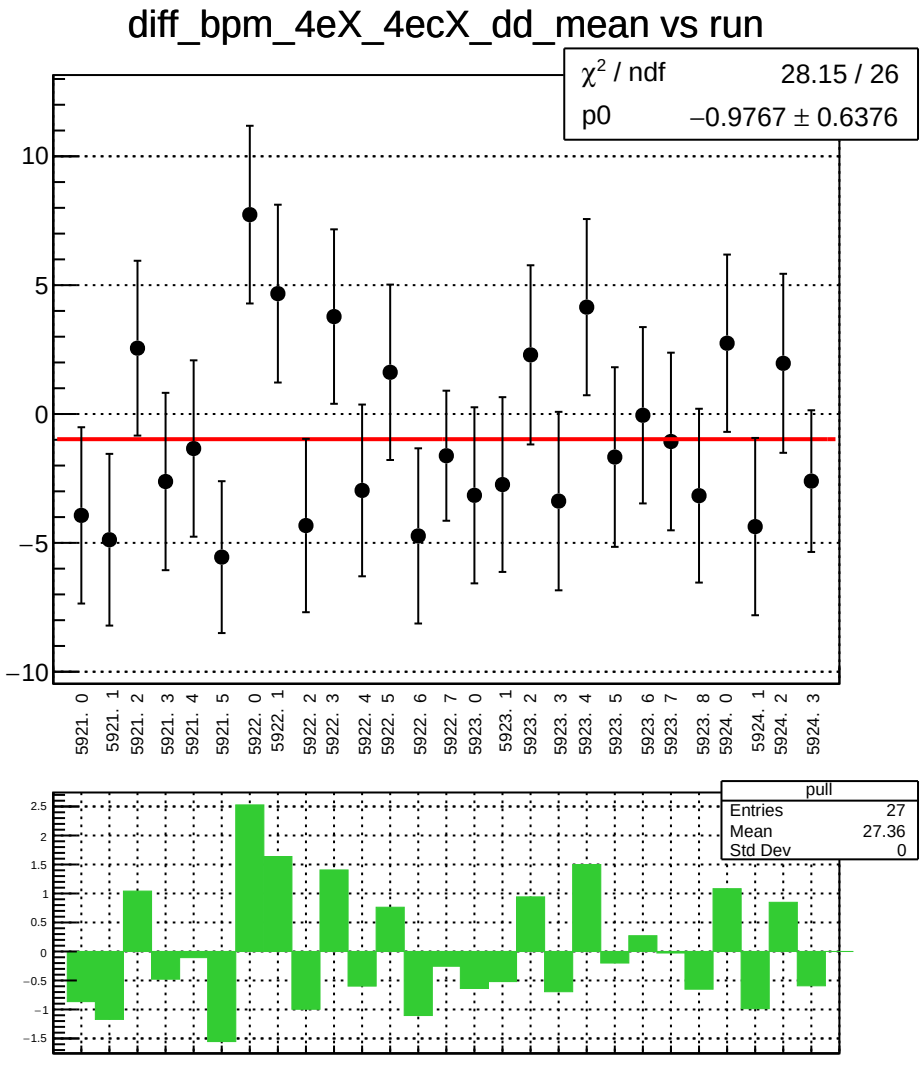

pull1D
Entries 27
Mean 0.02805
Std Dev 0.9998
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

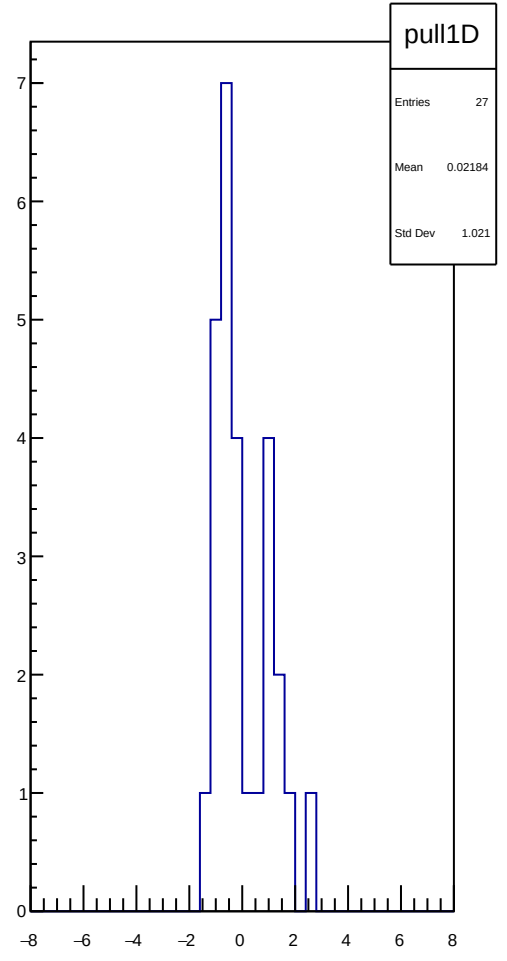

diff_bpm_4aX_4ecX_dd_rms vs run
χ² / ndf 6629 / 26
p0 1829 ± 2.56
2300
2200
2100
2000
1900
1800
1700
1600
1500
1400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

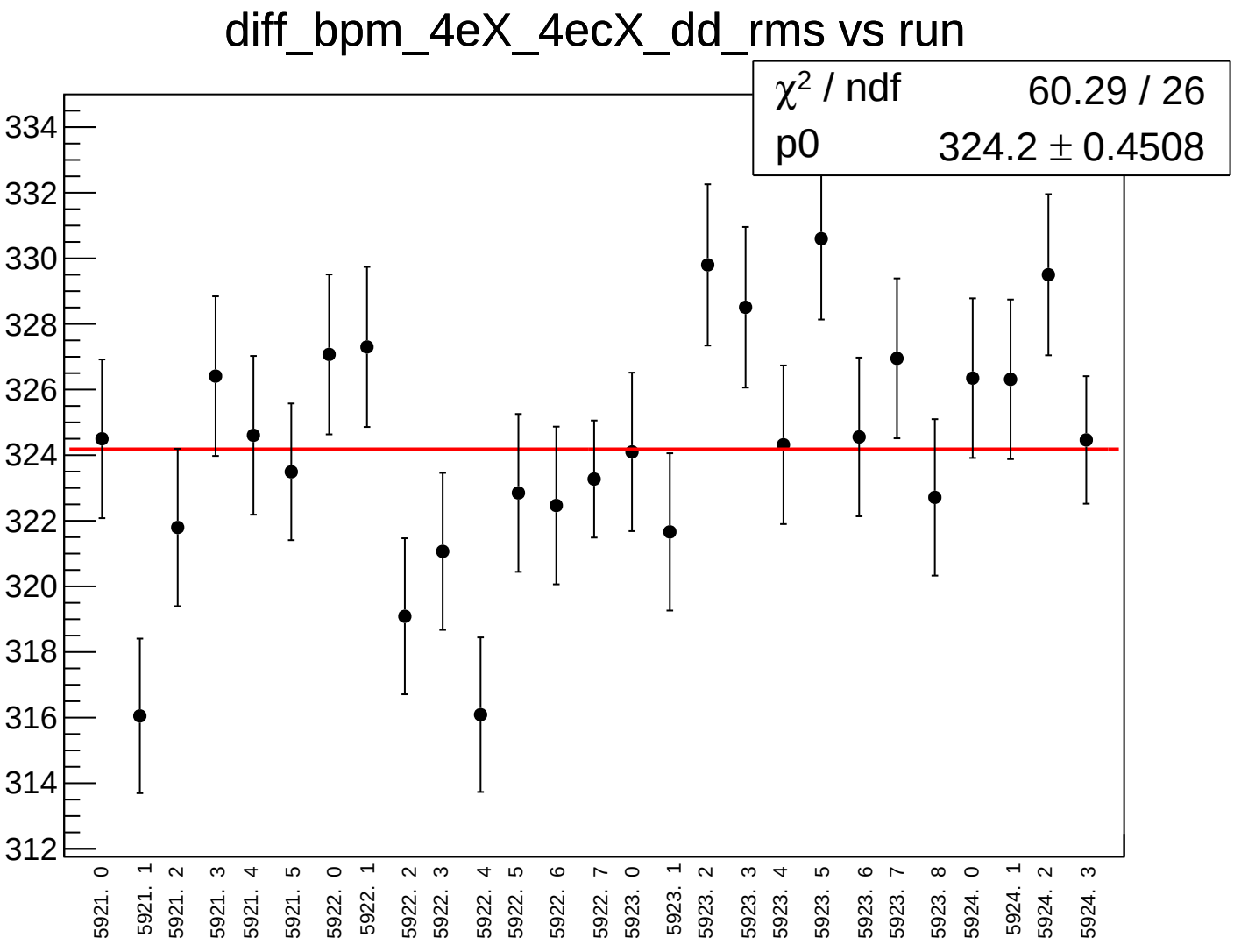

diff_bpm_4eX_4ecX_avg_mean vs run
χ² / ndf 24.71 / 26
p0 −10.72 ± 21.72
400
300
200
100
0
−100
−200
−300
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 61.05
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

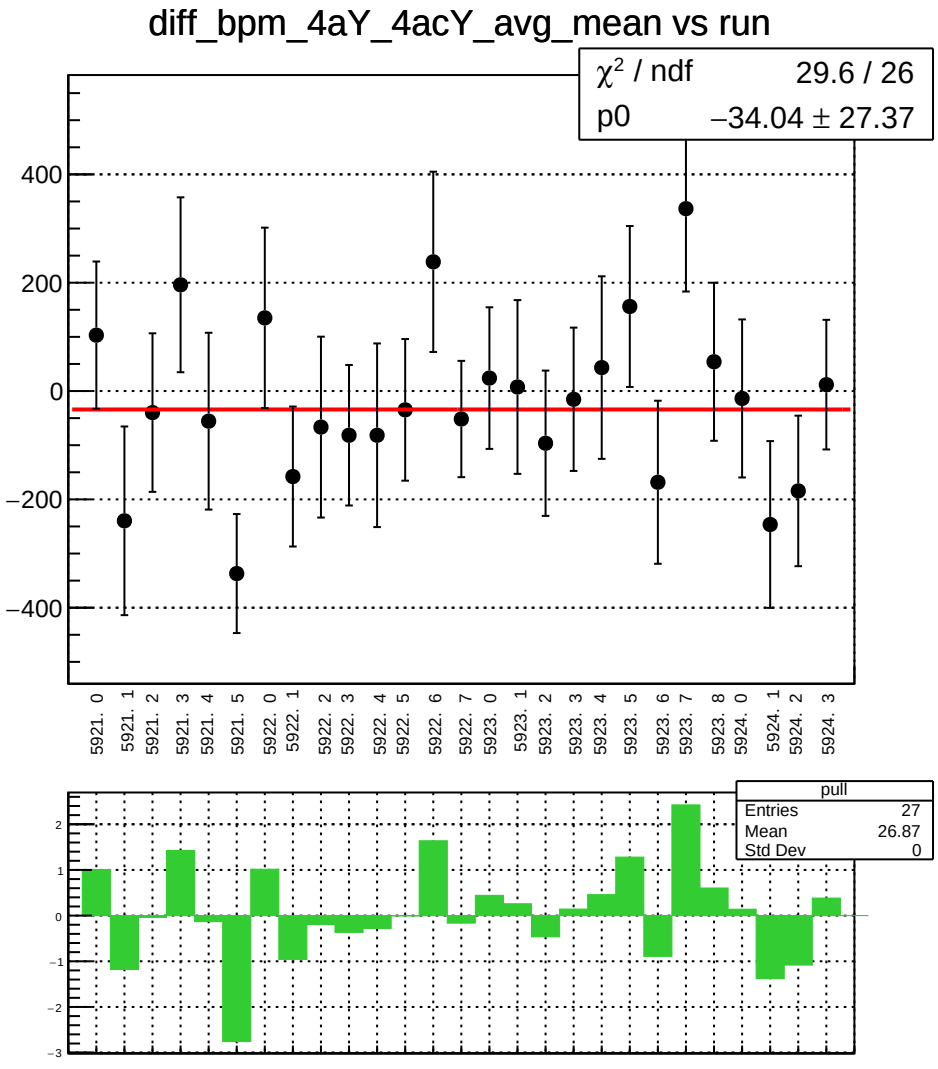

pull1D
Entries 27
Mean 0.02563
Std Dev 0.9562
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

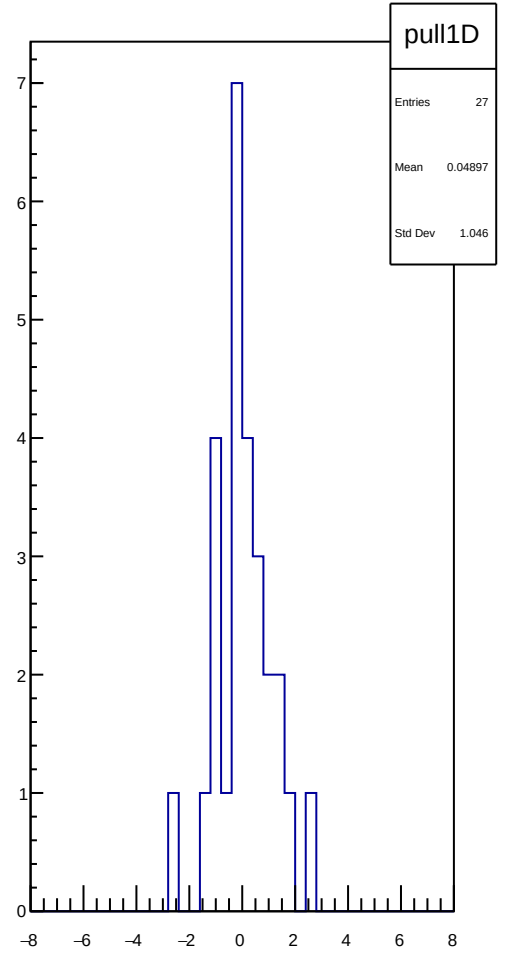

diff_bpm_4eX_4ecX_avg_rms vs run
χ² / ndf 8904 / 26
p0 1.095e+04 ± 15.36
14000
13000
12000
11000
10000
9000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

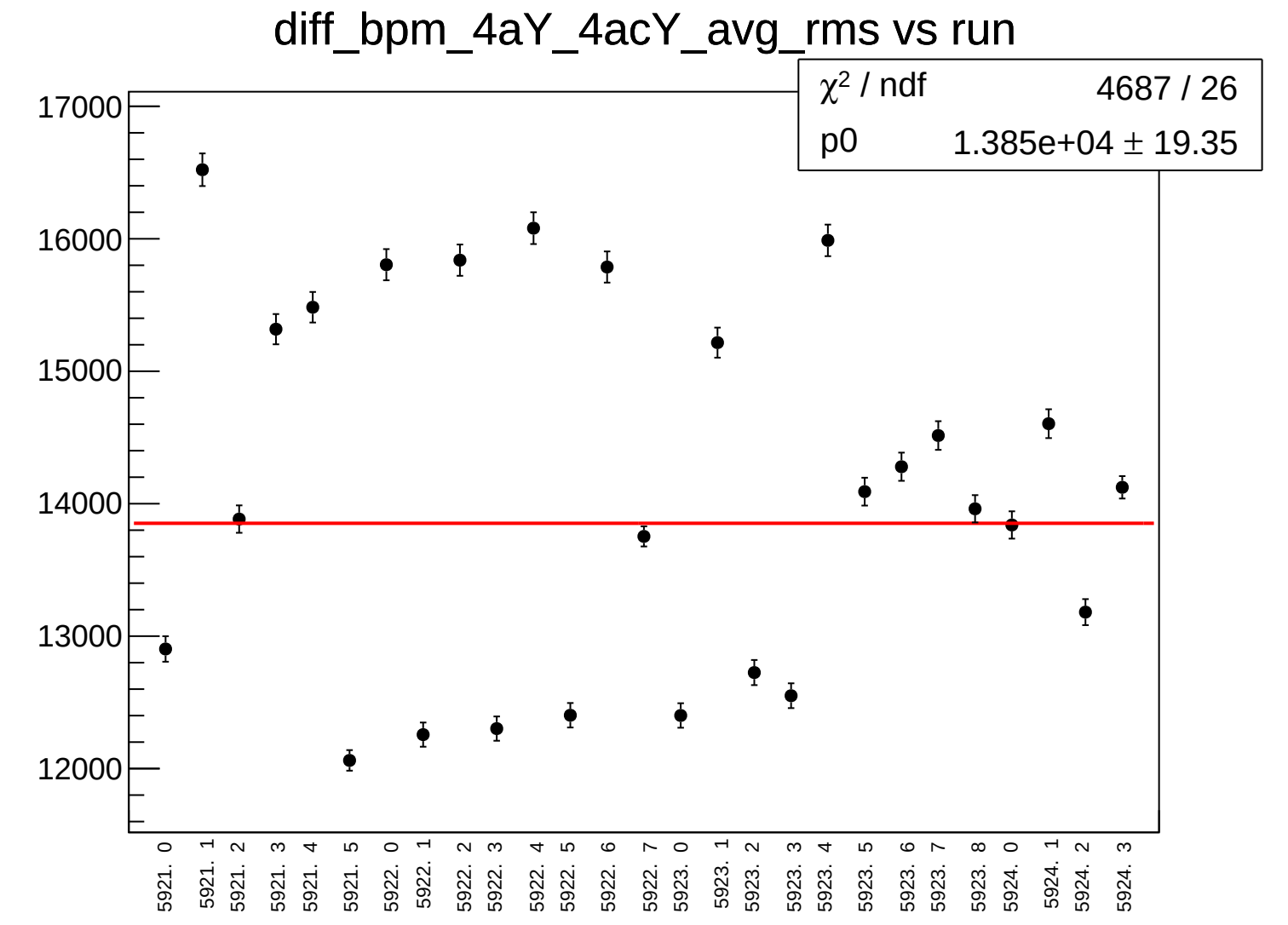

diff_bpm_4eX_4ecX_dd_mean vs run
χ² / ndf 28.15 / 26
p0 −0.9767 ± 0.6376
10
5
0
−5
−10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 27.36
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

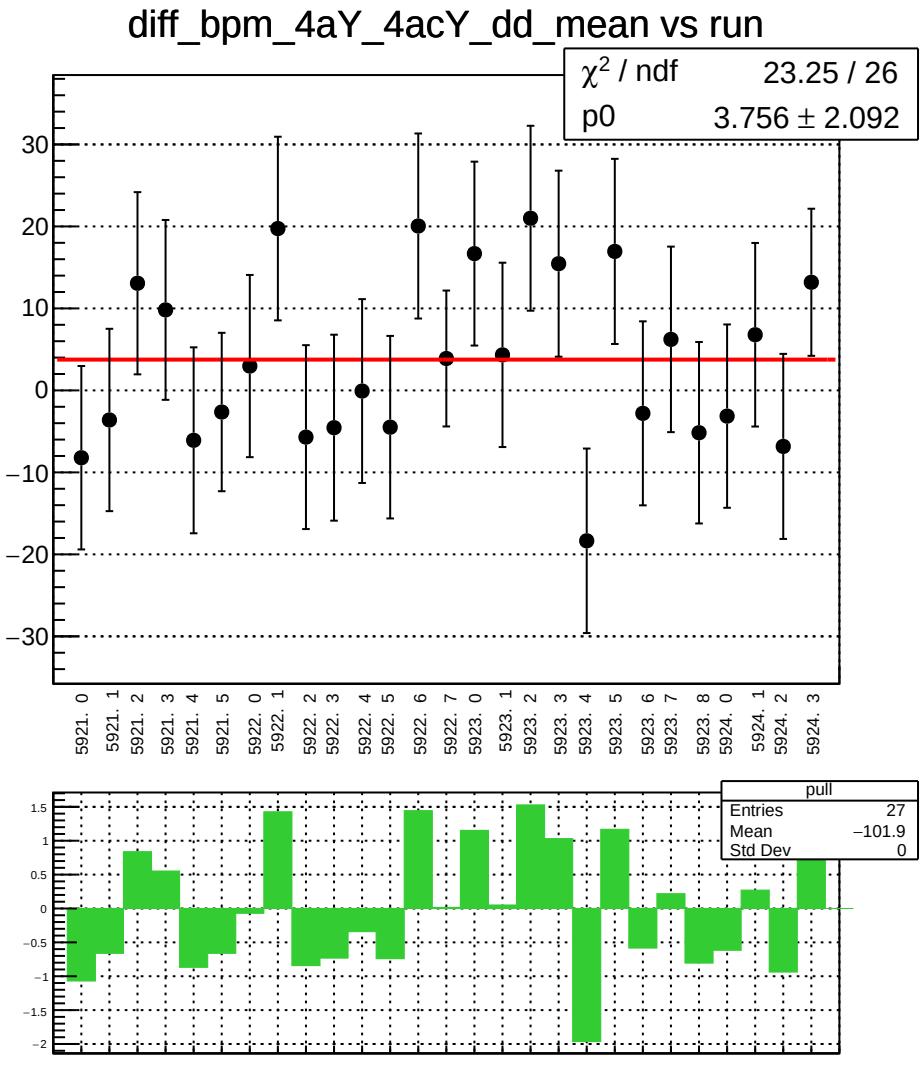

pull1D
Entries 27
Mean 0.02184
Std Dev 1.021
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

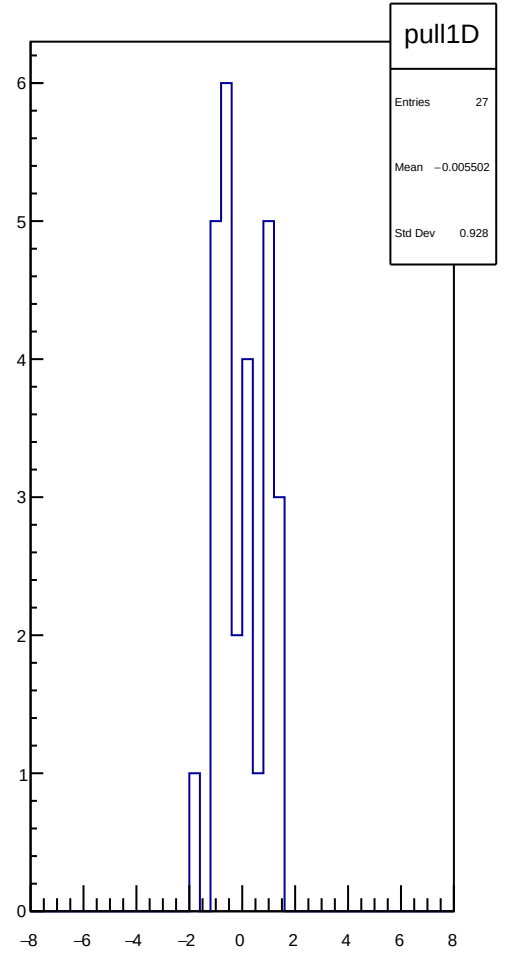

diff_bpm_4eX_4ecX_dd_rms vs run
χ² / ndf 60.29 / 26
p0 324.2 ± 0.4508
334
332
330
328
326
324
322
320
318
316
314
312
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

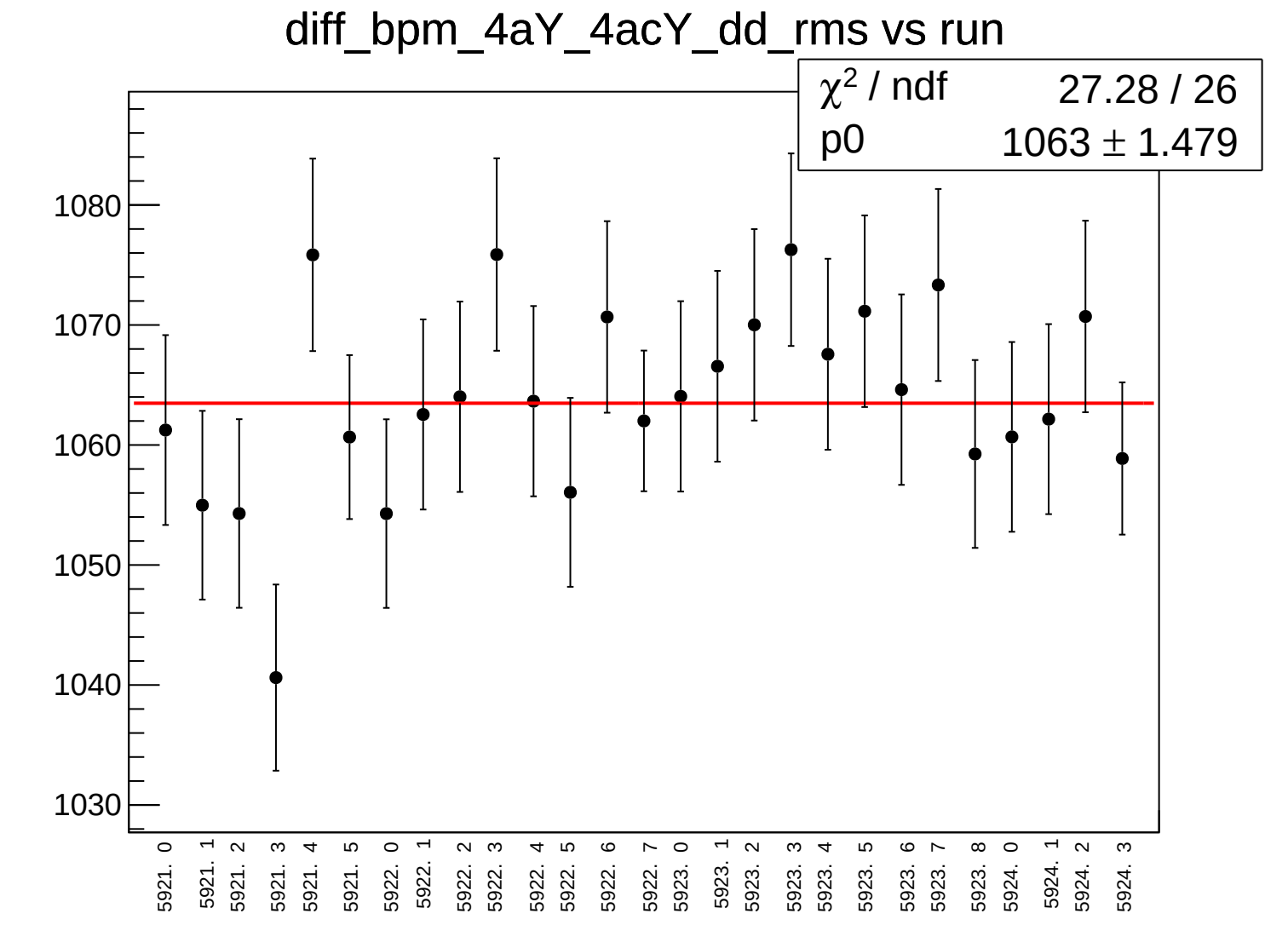

diff_bpm_4aY_4acY_avg_mean vs run
χ² / ndf 29.6 / 26
p0 −34.04 ± 27.37
400
200
0
−200
−400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 26.87
Std Dev 0
2
1
0
−1
−2
−3

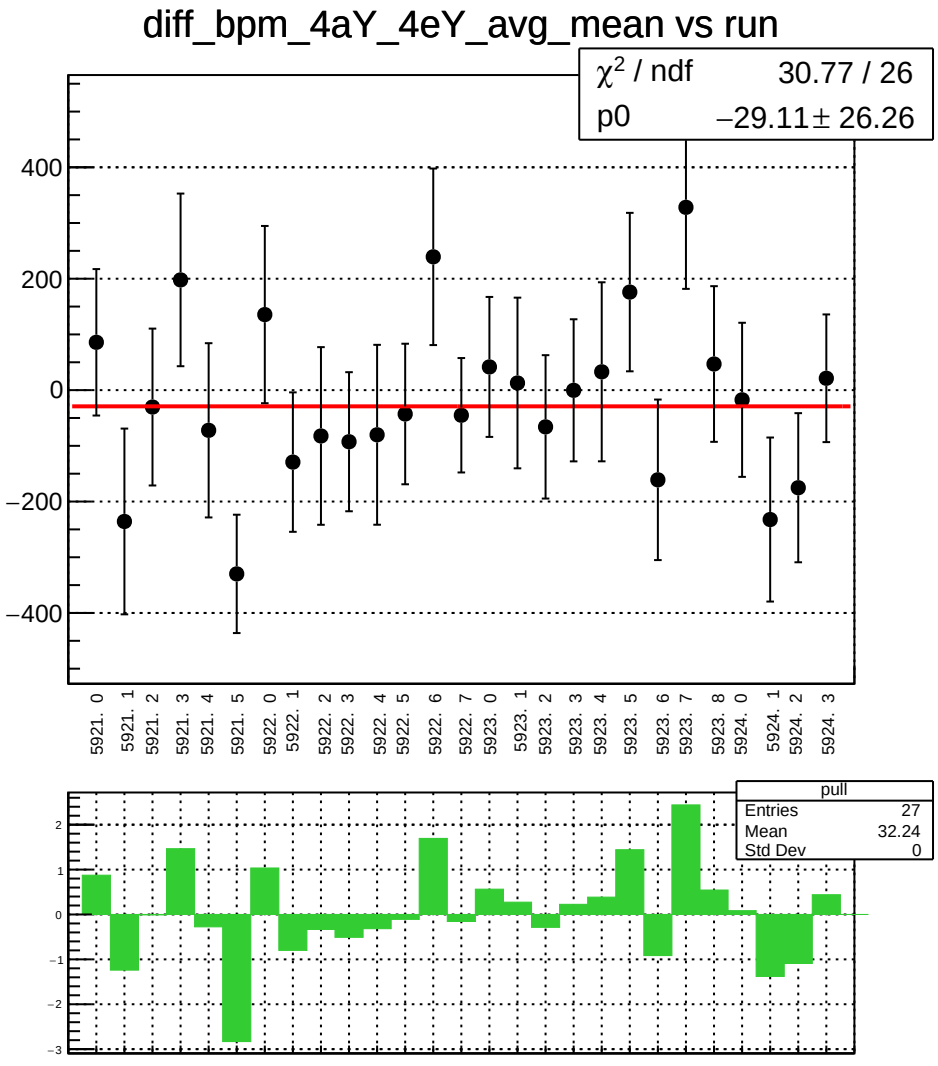

pull1D
Entries 27
Mean 0.04897
Std Dev 1.046
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

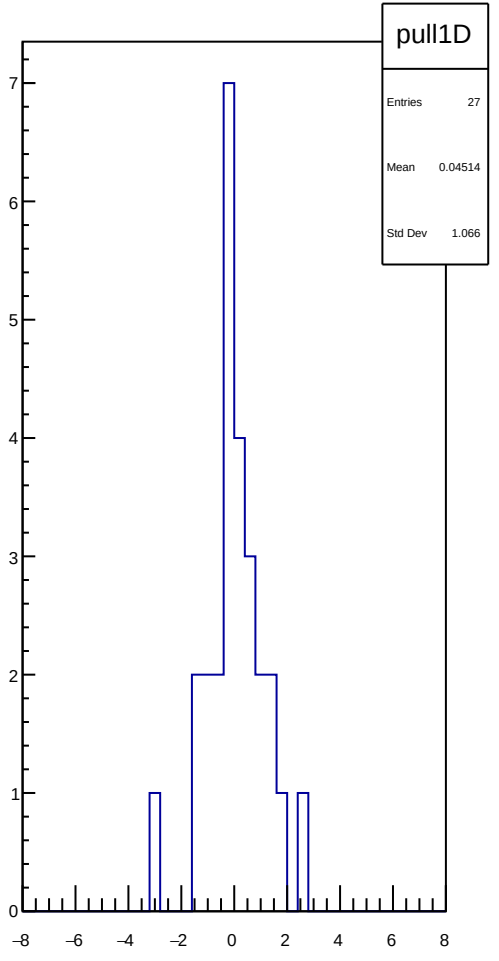

diff_bpm_4aY_4acY_avg_rms vs run
χ² / ndf 4687 / 26
p0 1.385e+04 ± 19.35
17000
16000
15000
14000
13000
12000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

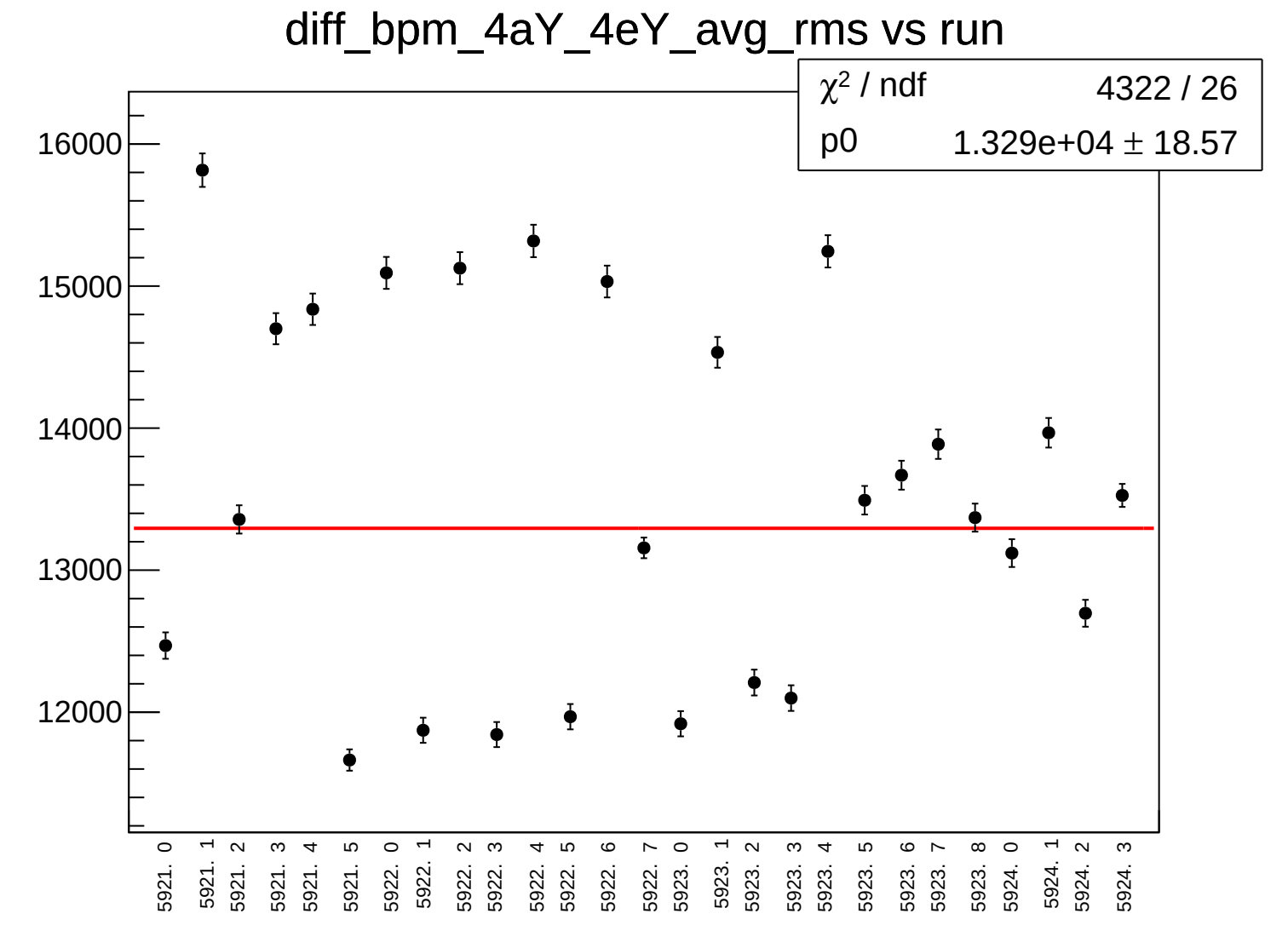

diff_bpm_4aY_4acY_dd_mean vs run
χ² / ndf 23.25 / 26
p0 3.756 ± 2.092
30
20
10
0
−10
−20
−30
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −101.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

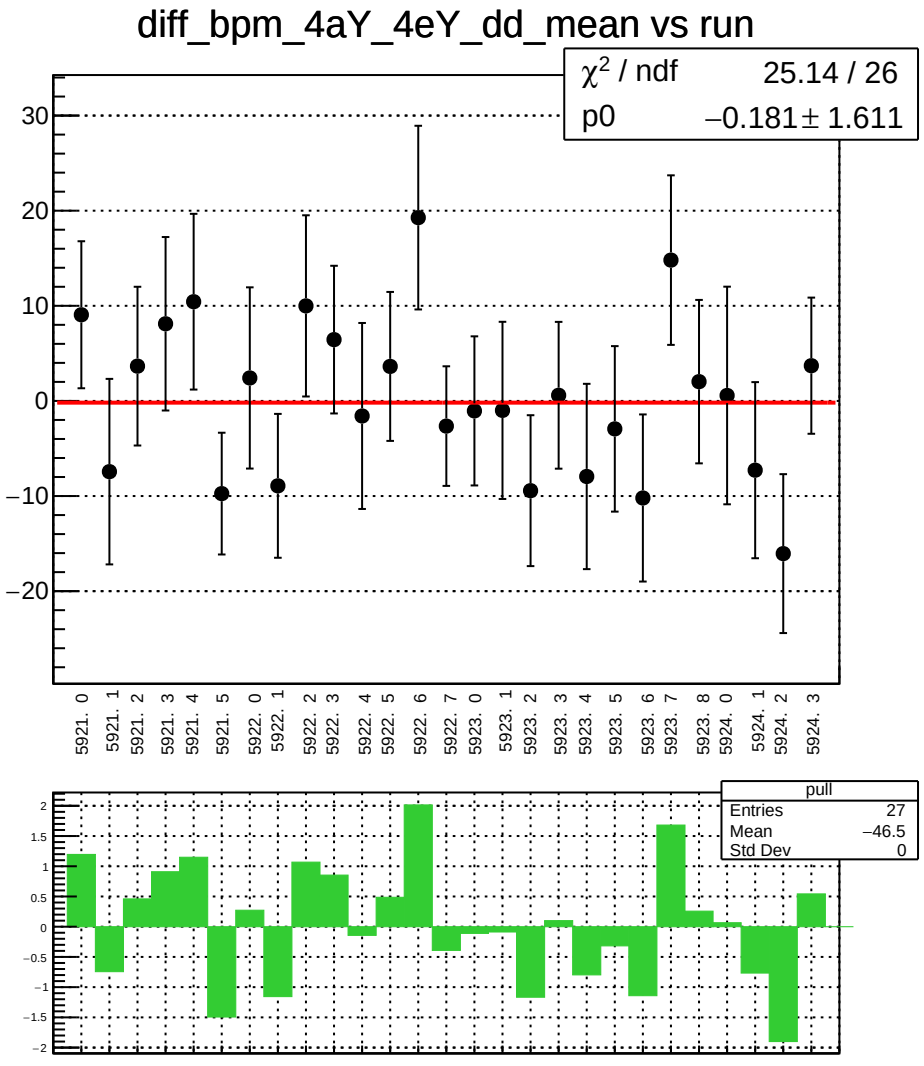

pull1D
Entries 27
Mean −0.005502
Std Dev 0.928
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

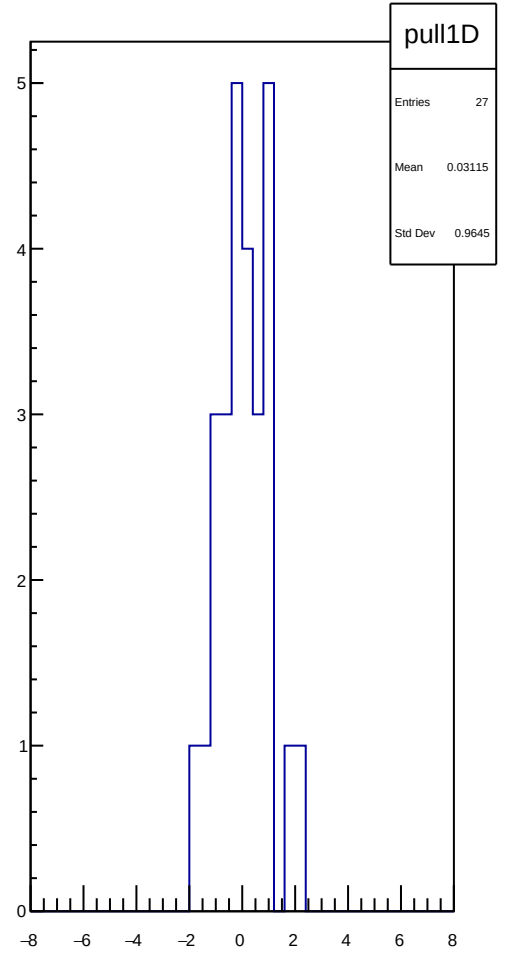

diff_bpm_4aY_4acY_dd_rms vs run
χ² / ndf 27.28 / 26
p0 1063 ± 1.479
1080
1070
1060
1050
1040
1030
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

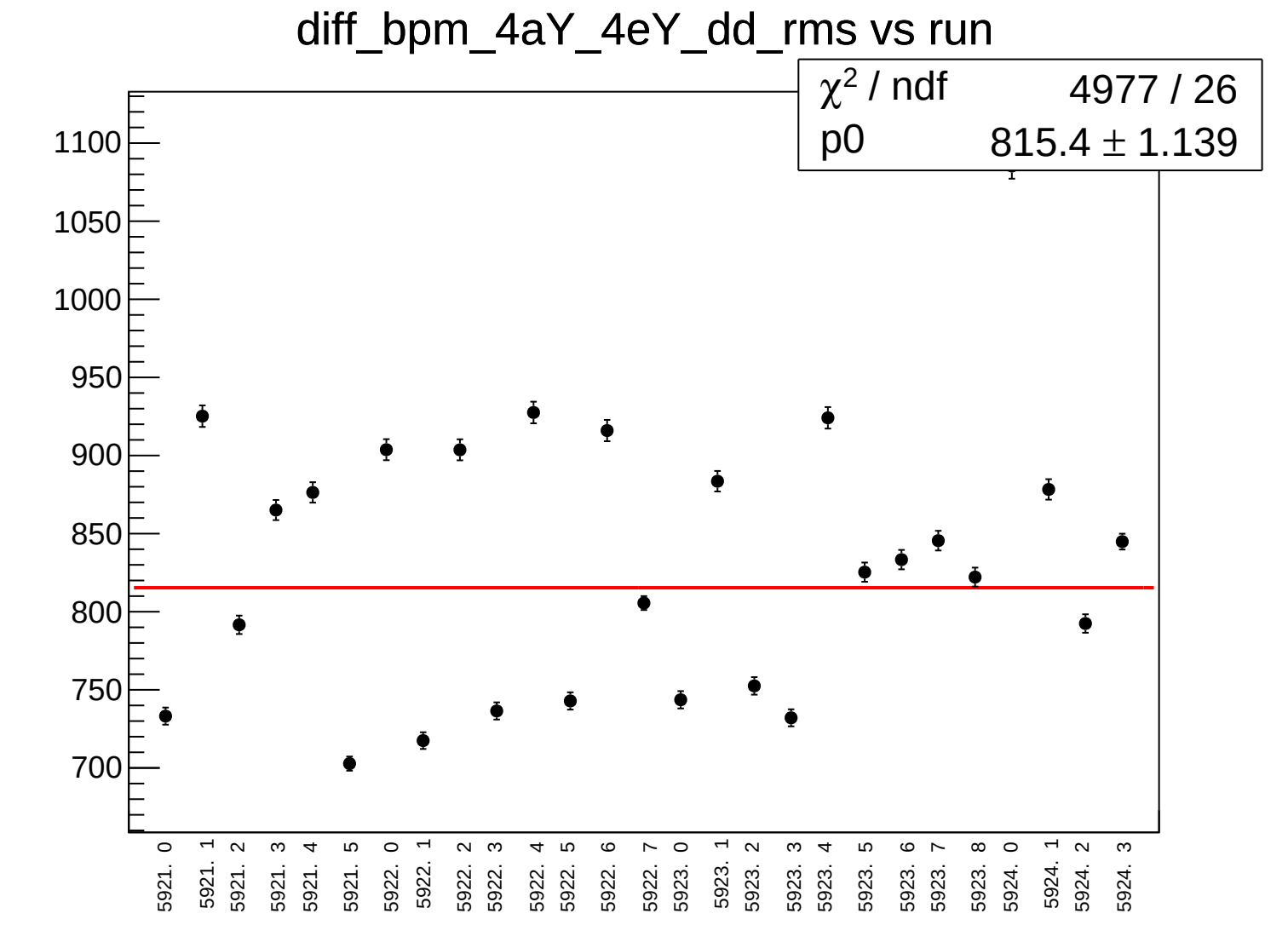

diff_bpm_4aY_4eY_avg_mean vs run
χ² / ndf 30.77 / 26
p0 −29.11± 26.26
400
200
0
−200
−400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 32.24
Std Dev 0
2
1
0
−1
−2
−3

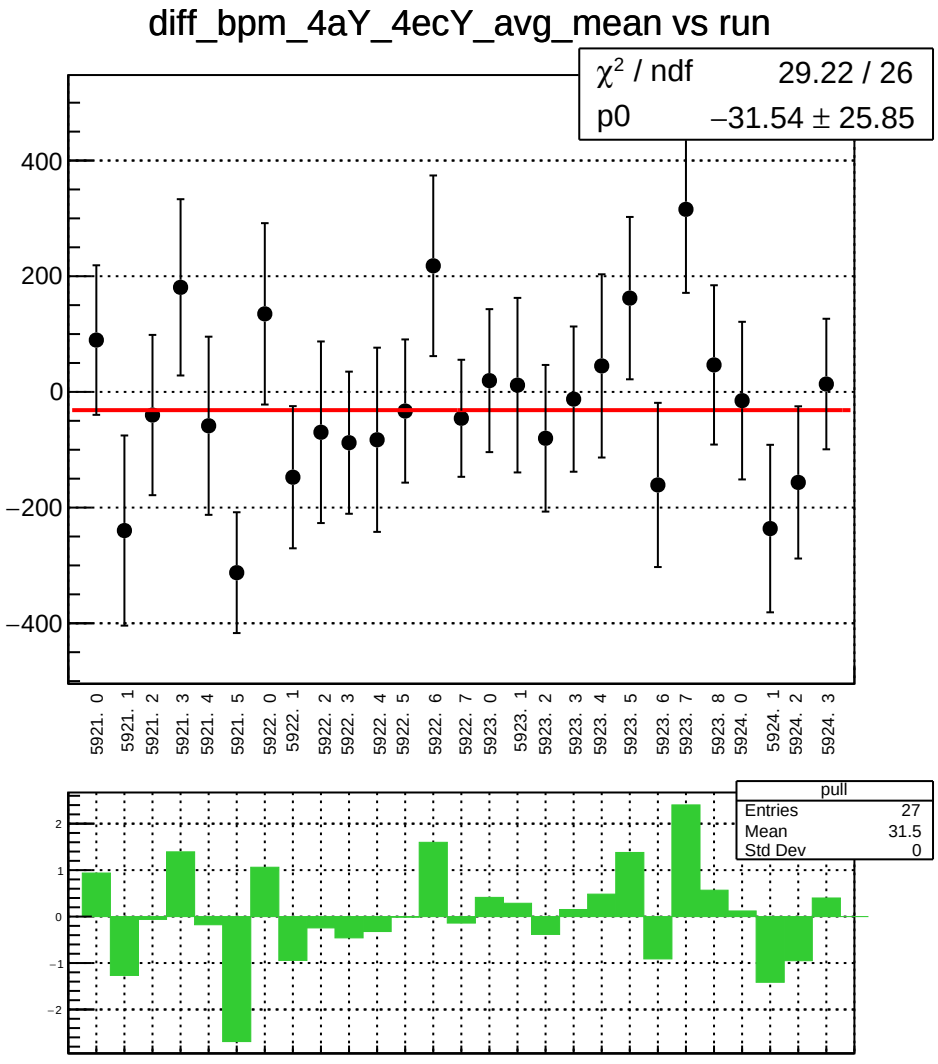

pull1D
Entries 27
Mean 0.04514
Std Dev 1.066
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

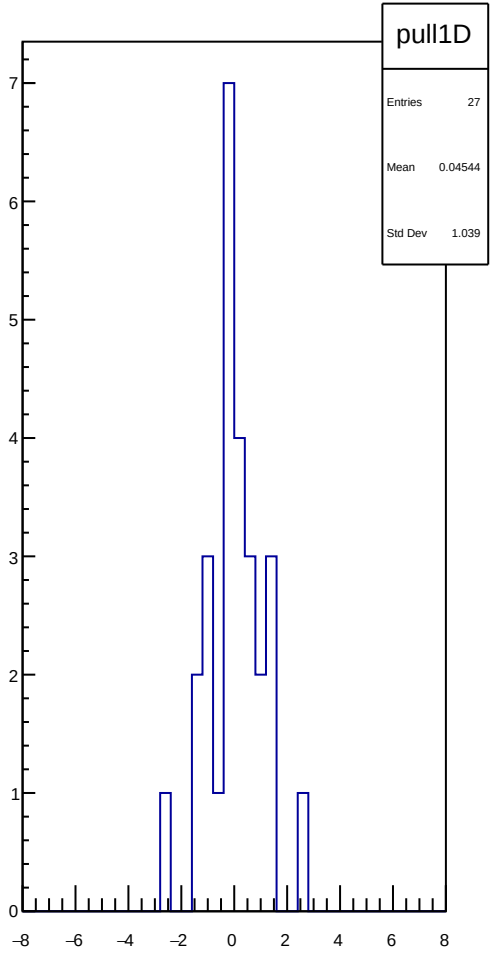

diff_bpm_4aY_4eY_avg_rms vs run
χ² / ndf 4322 / 26
p0 1.329e+04 ± 18.57
16000
15000
14000
13000
12000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

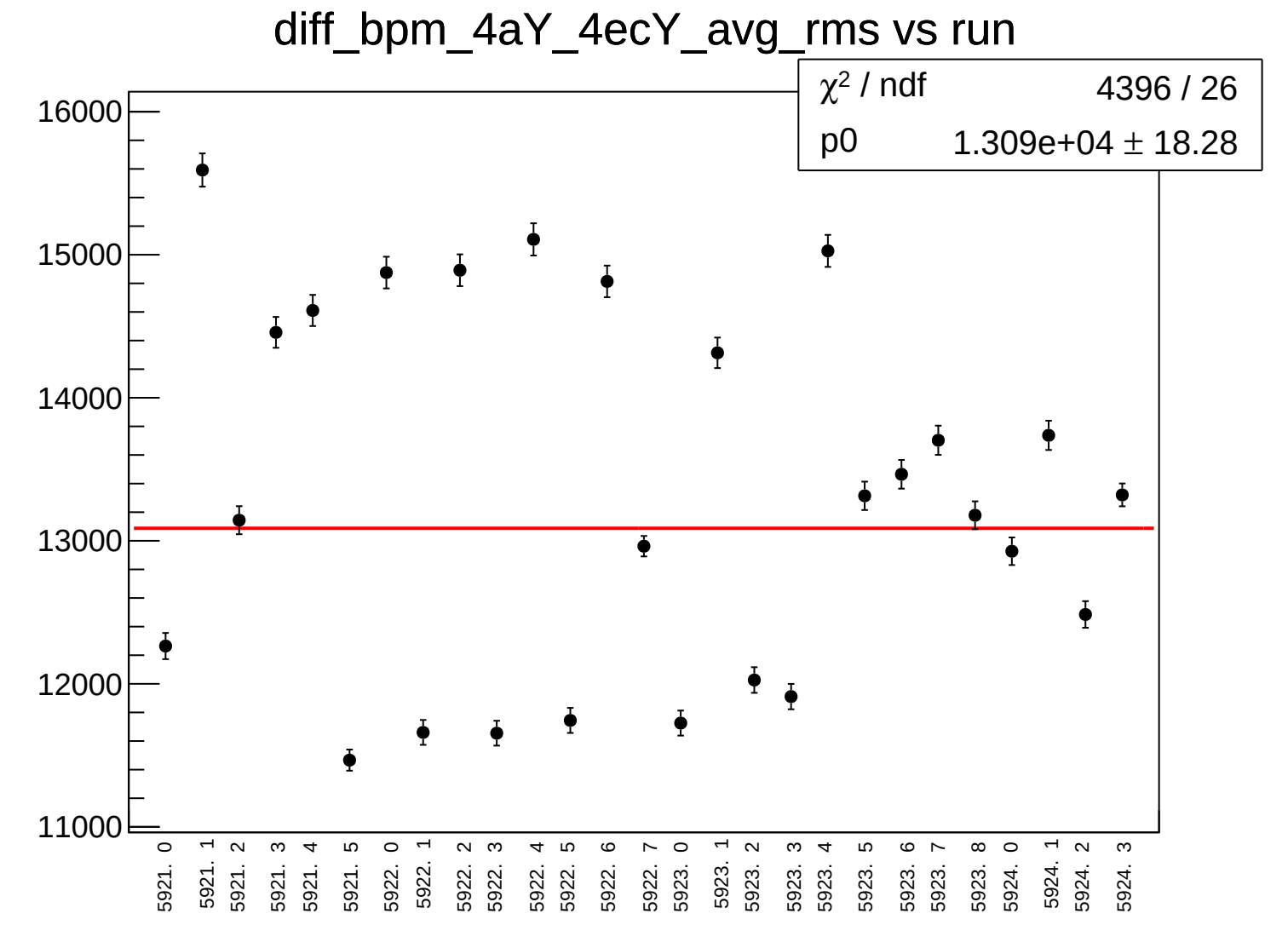

diff_bpm_4aY_4eY_dd_mean vs run
χ² / ndf 25.14 / 26
p0 −0.181 ± 1.611
30
20
10
0
−10
−20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −46.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

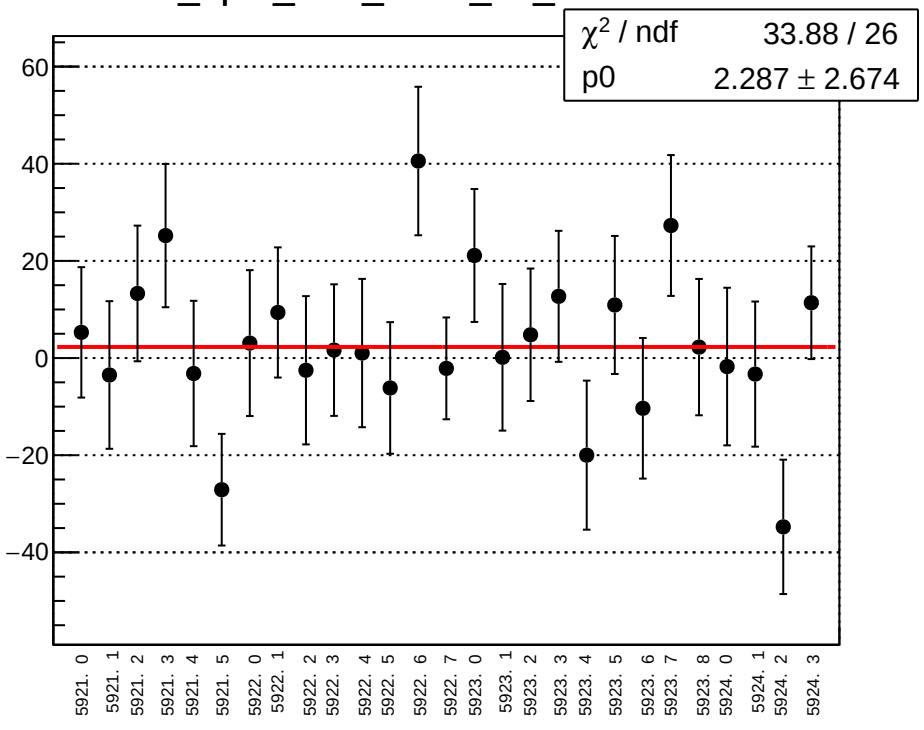

pull1D
Entries 27
Mean 0.03115
Std Dev 0.9645
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

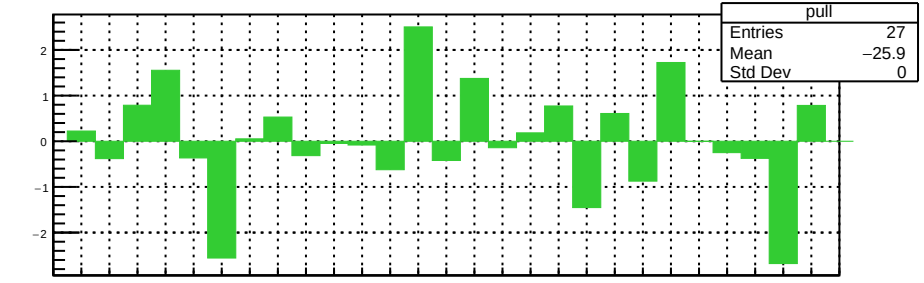

diff_bpm_4aY_4eY_dd_rms vs run
χ² / ndf 4977 / 26
p0 815.4 ± 1.139
1100
1050
1000
950
900
850
800
750
700
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

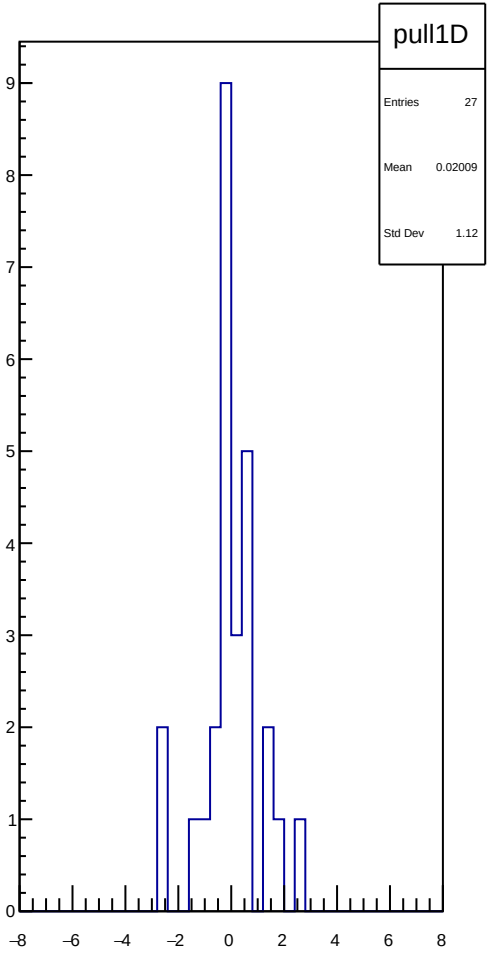

diff_bpm_4aY_4ecY_avg_mean vs run
χ² / ndf 29.22 / 26
p0 −31.54 ± 25.85
400
200
0
−200
−400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 31.5
Std Dev 0
2
1
0
−1
−2

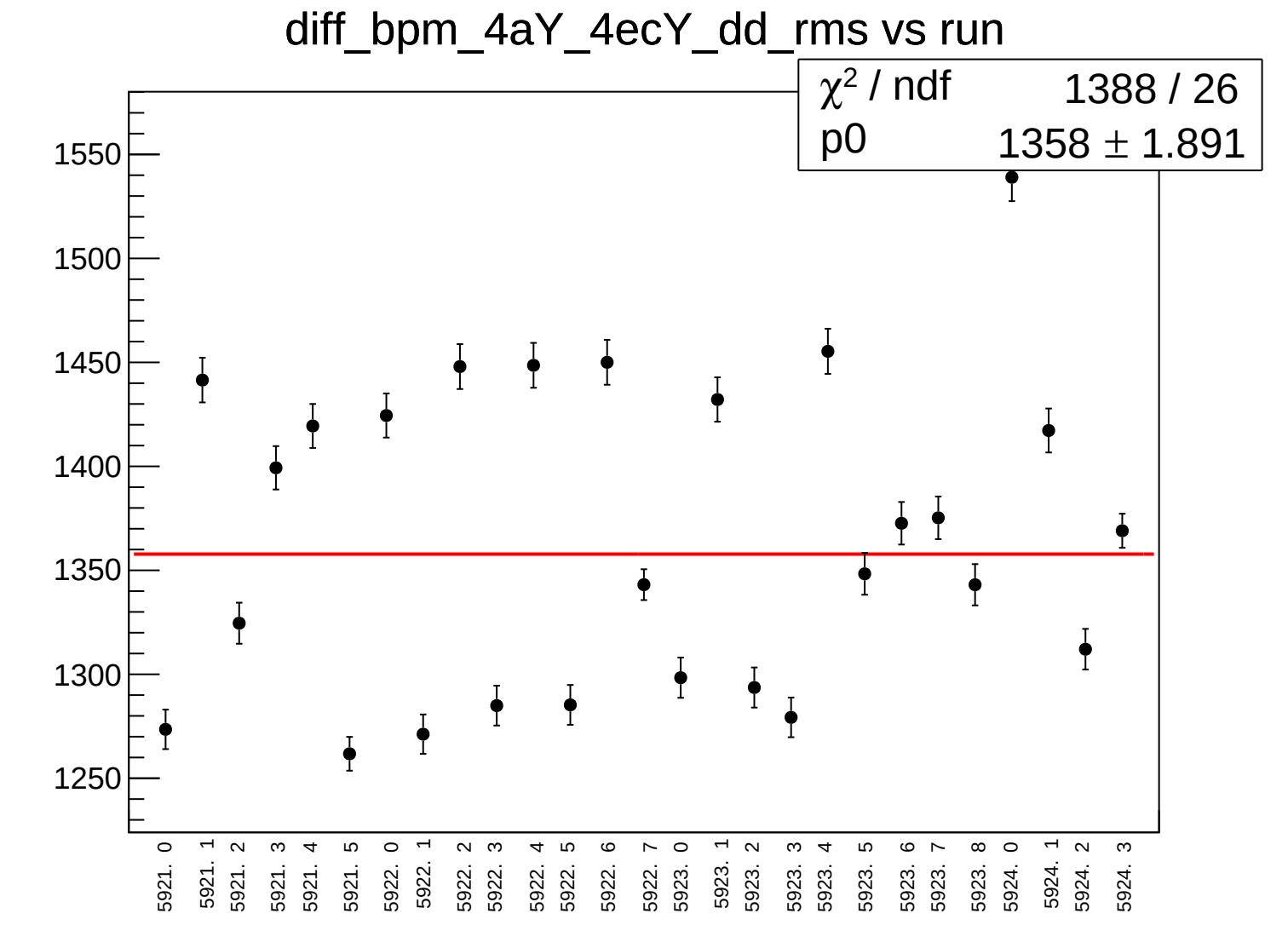

pull1D
Entries 27
Mean 0.04544
Std Dev 1.039
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

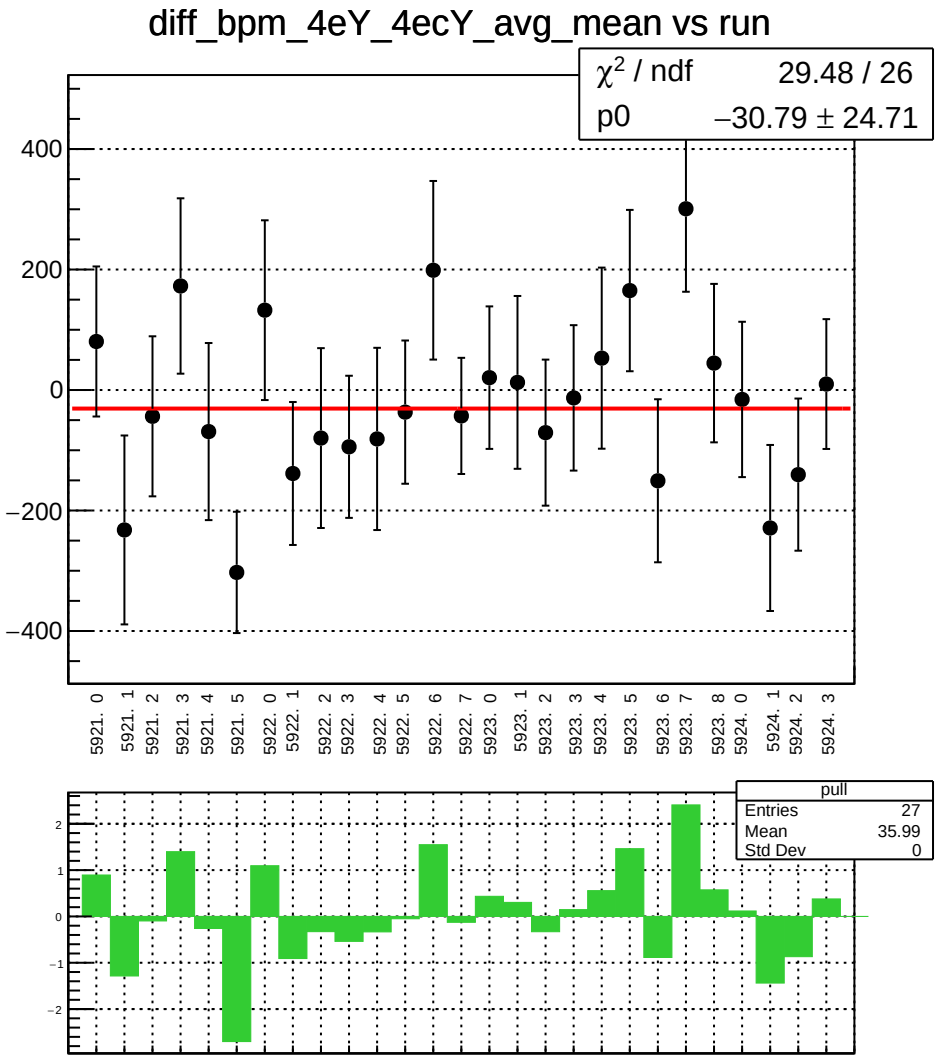

diff_bpm_4aY_4ecY_avg_rms vs run
χ² / ndf 4396 / 26
p0 1.309e+04 ± 18.28
16000
15000
14000
13000
12000
11000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

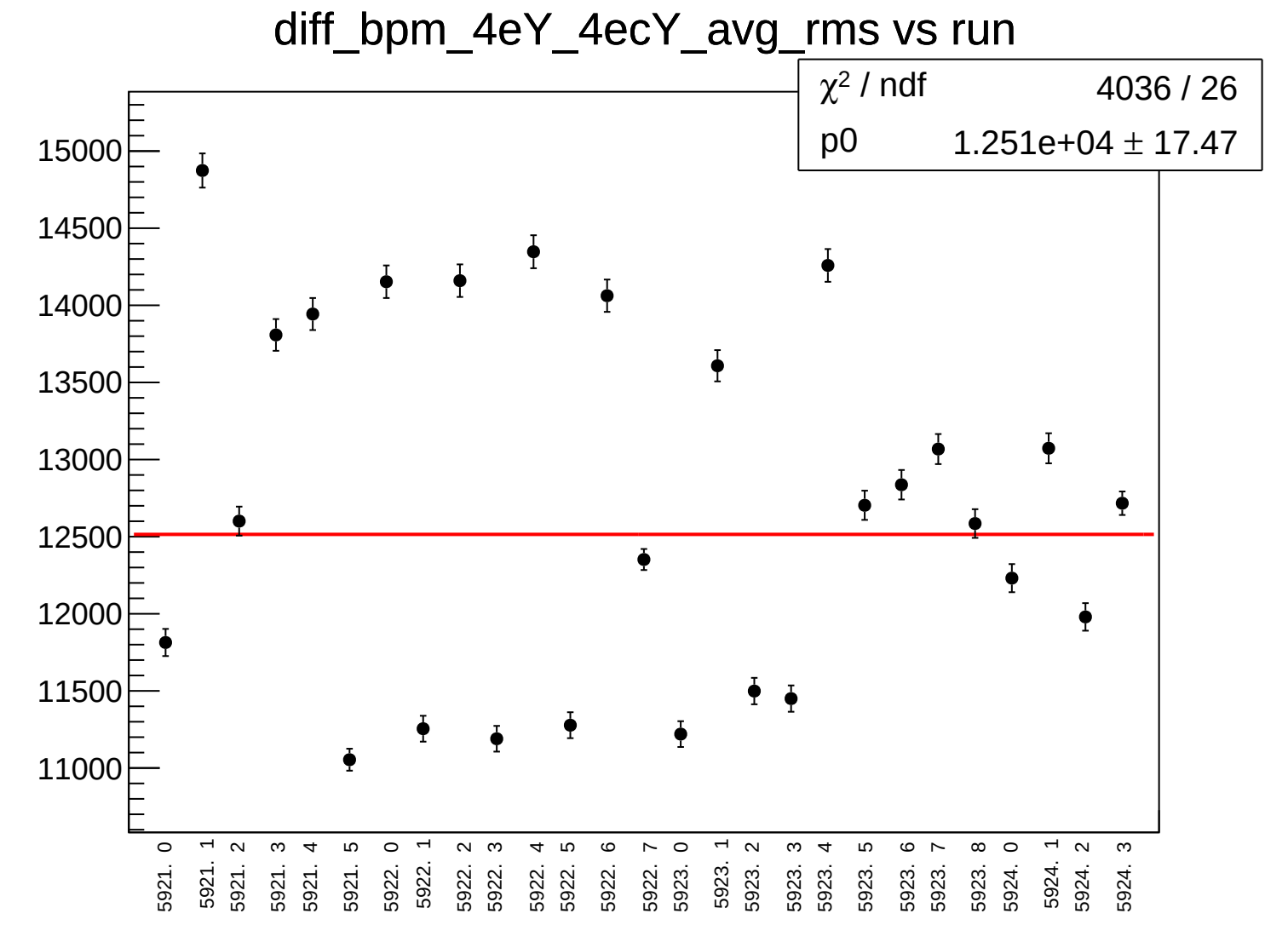

diff_bpm_4aY_4ecY_dd_mean vs run
χ² / ndf 33.88 / 26
p0 2.287 ± 2.674
60
40
20
0
−20
−40
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

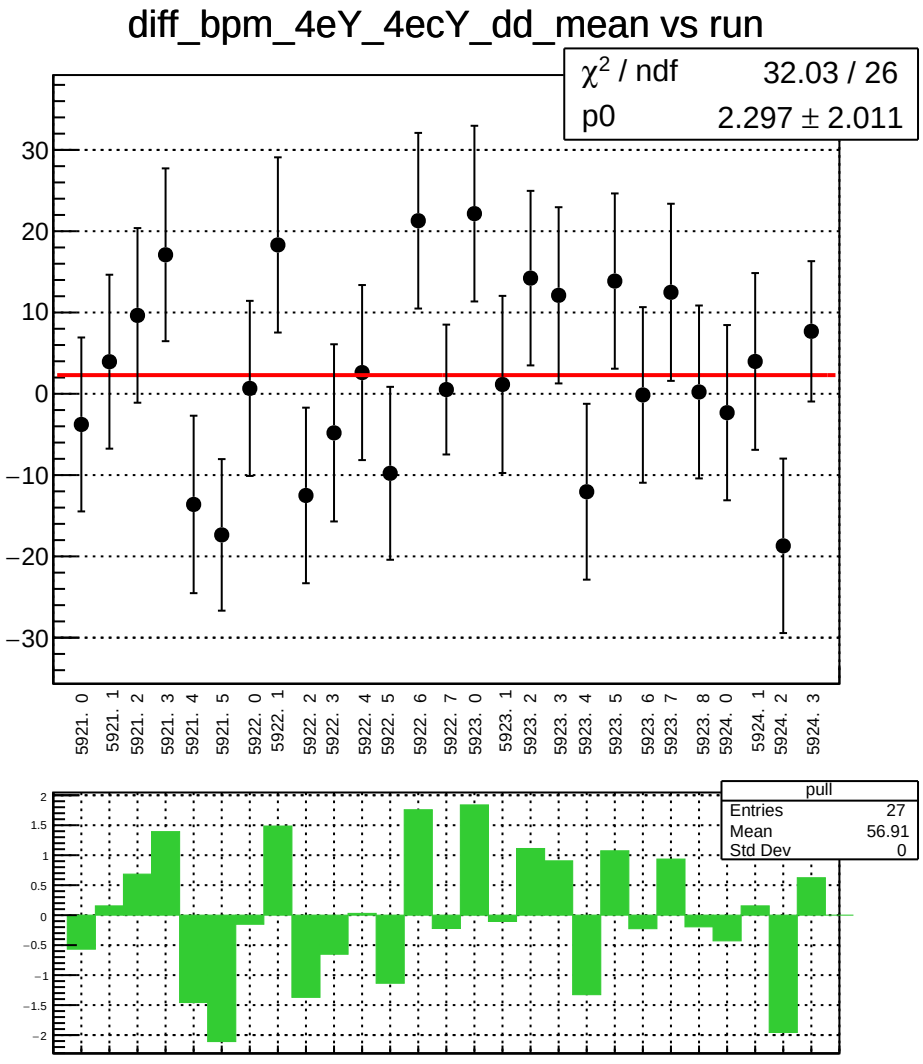

pull
Entries 27
Mean −25.9
Std Dev 0
2
1
0
−1
−2

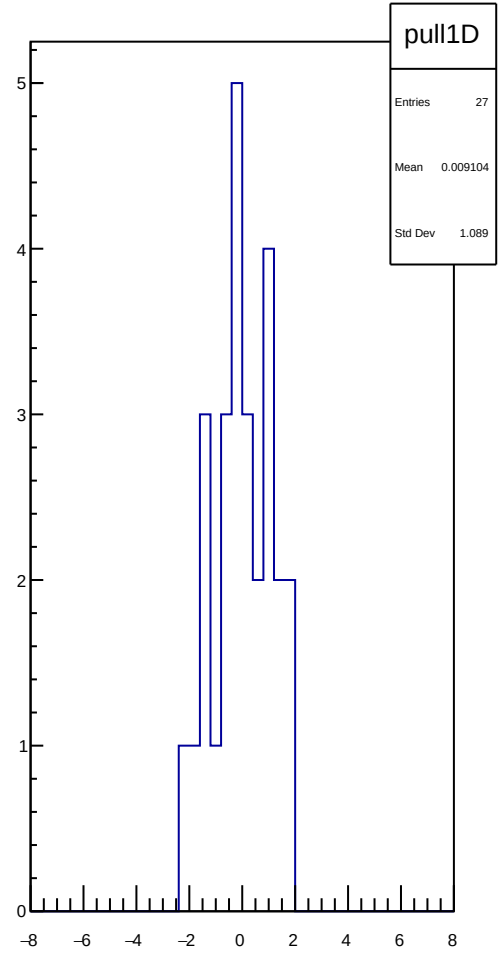

pull1D
Entries 27
Mean 0.02009
Std Dev 1.12
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

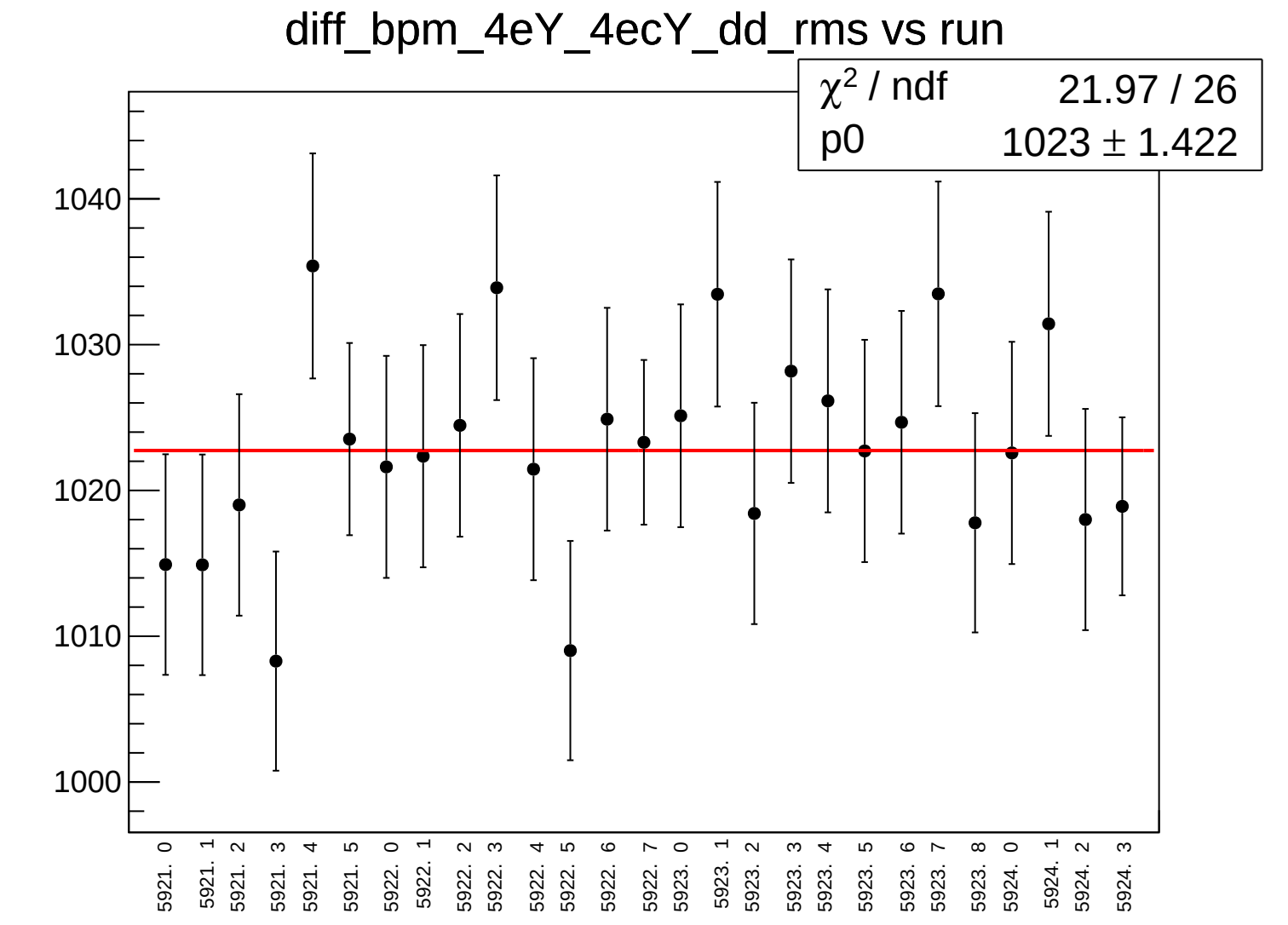

diff_bpm_4aY_4ecY_dd_rms vs run
χ² / ndf 1388 / 26
p0 1358 ± 1.891
1550
1500
1450
1400
1350
1300
1250
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

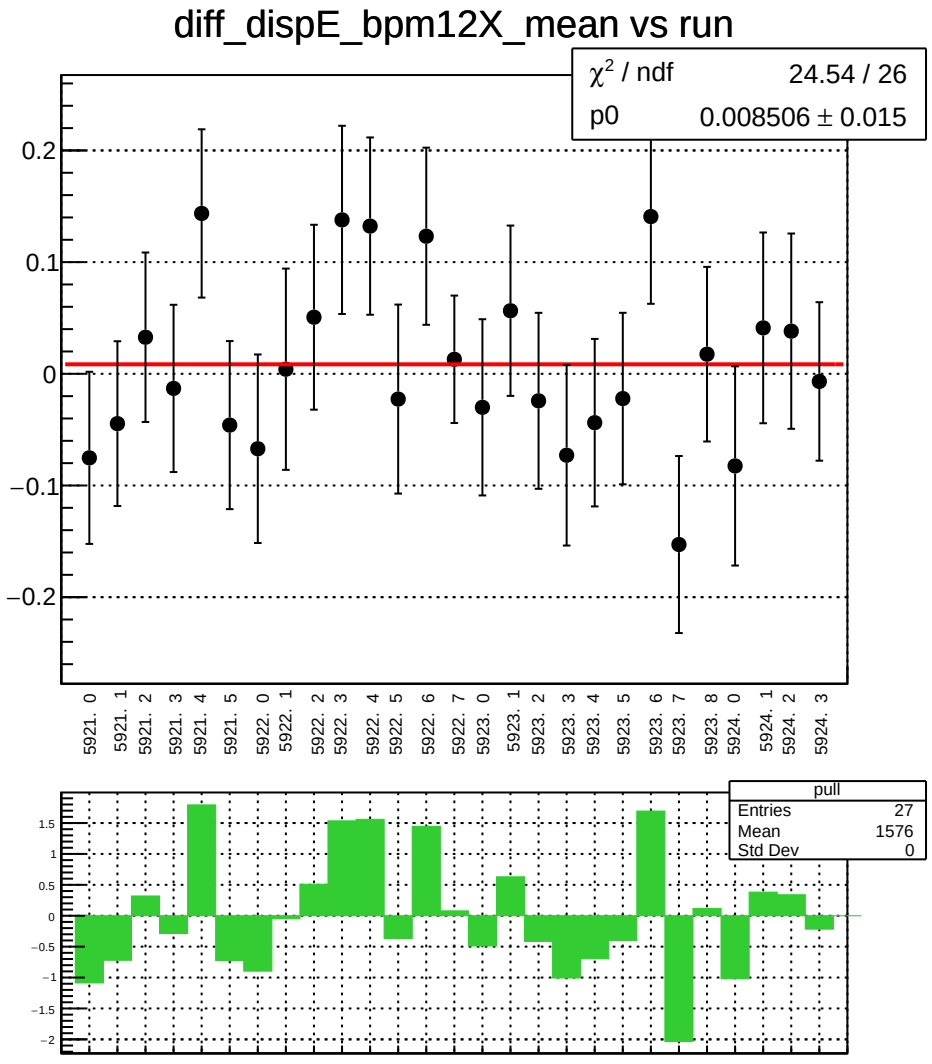

diff_bpm_4eY_4ecY_avg_mean vs run
χ² / ndf 29.48 / 26
p0 −30.79 ± 24.71
400
200
0
−200
−400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 35.99
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.04319
Std Dev 1.044
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

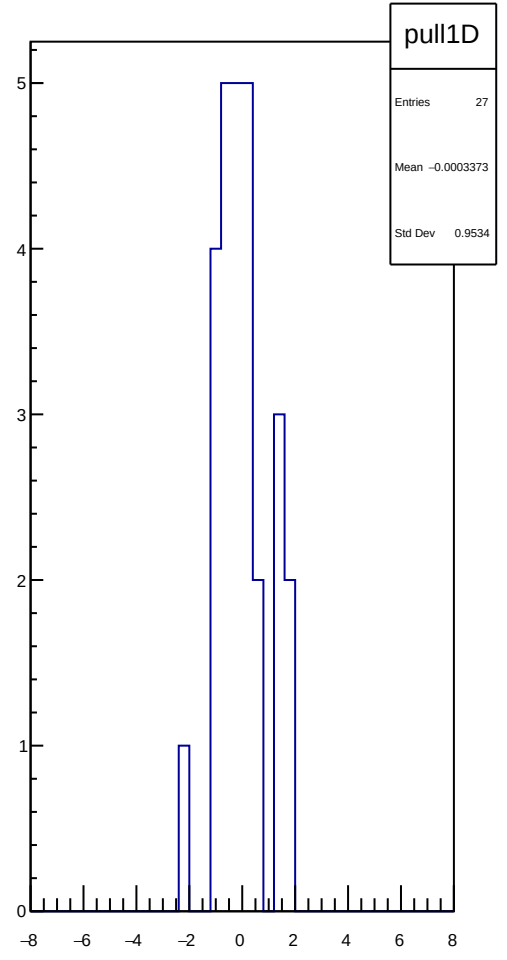

diff_bpm_4eY_4ecY_avg_rms vs run
χ² / ndf 4036 / 26
p0 1.251e+04 ± 17.47
15000
14500
14000
13500
13000
12500
12000
11500
11000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

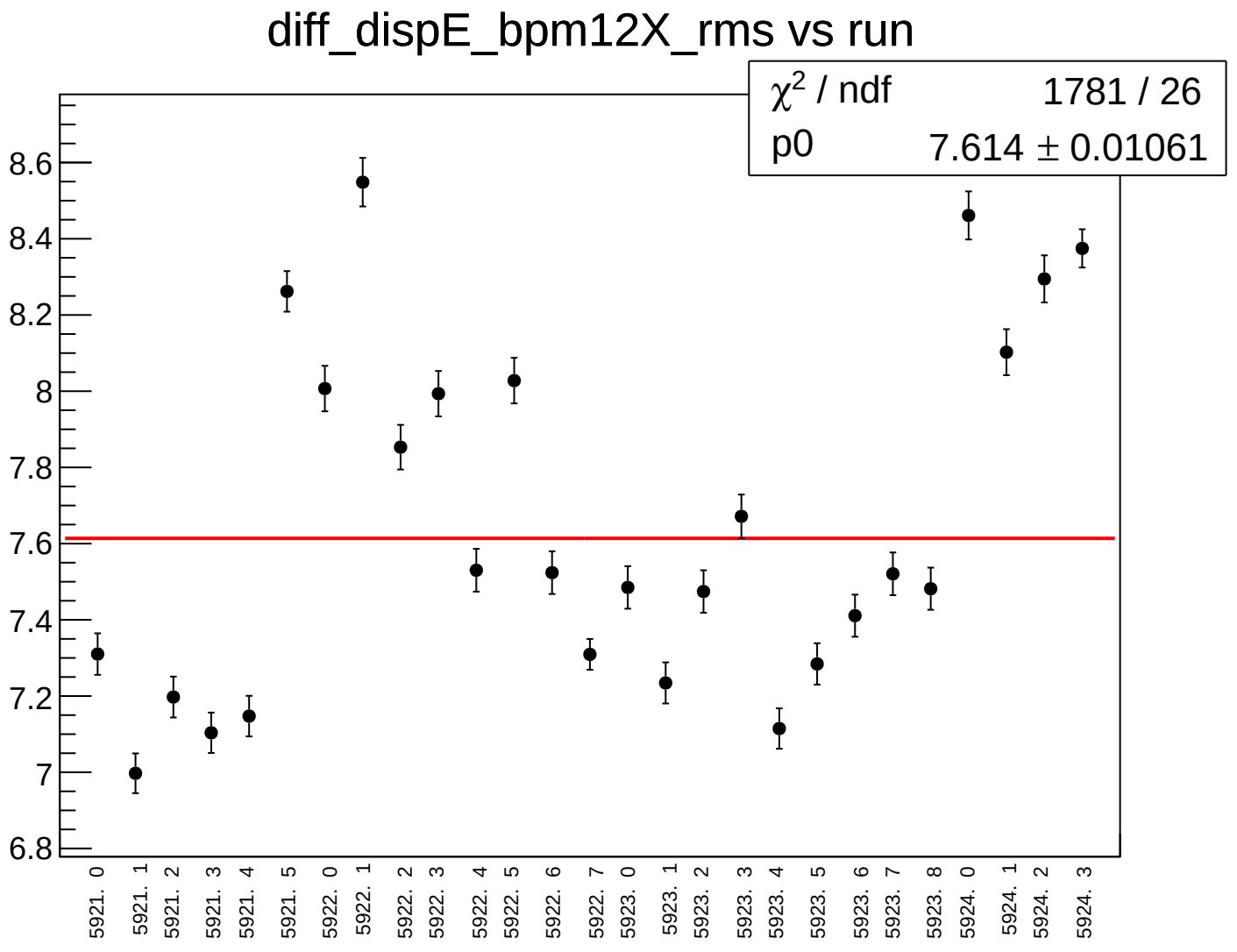

diff_bpm_4eY_4ecY_dd_mean vs run
χ² / ndf 32.03 / 26
p0 2.297 ± 2.011
30
20
10
0
−10
−20
−30
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 56.91
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

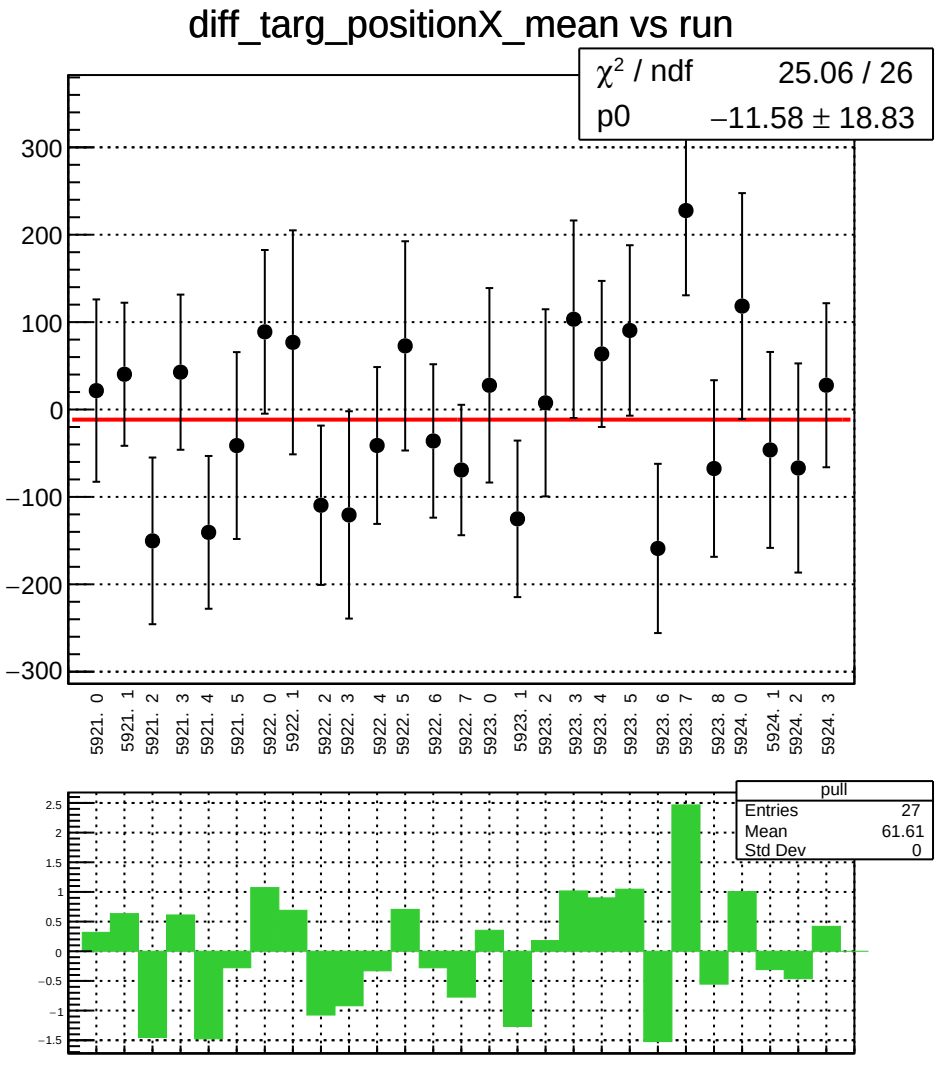

pull1D
Entries 27
Mean 0.009104
Std Dev 1.089
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

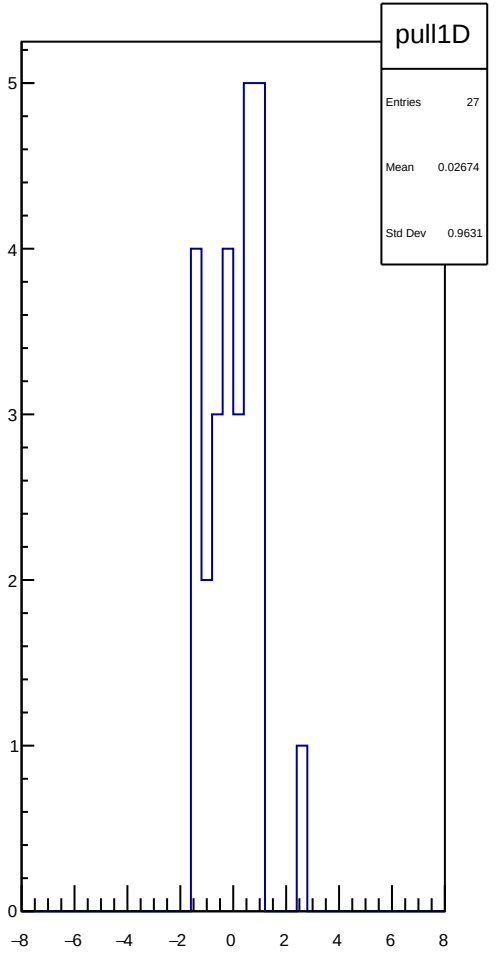

diff_bpm_4eY_4ecY_dd_rms vs run
χ² / ndf 21.97 / 26
p0 1023 ± 1.422
1040
1030
1020
1010
1000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

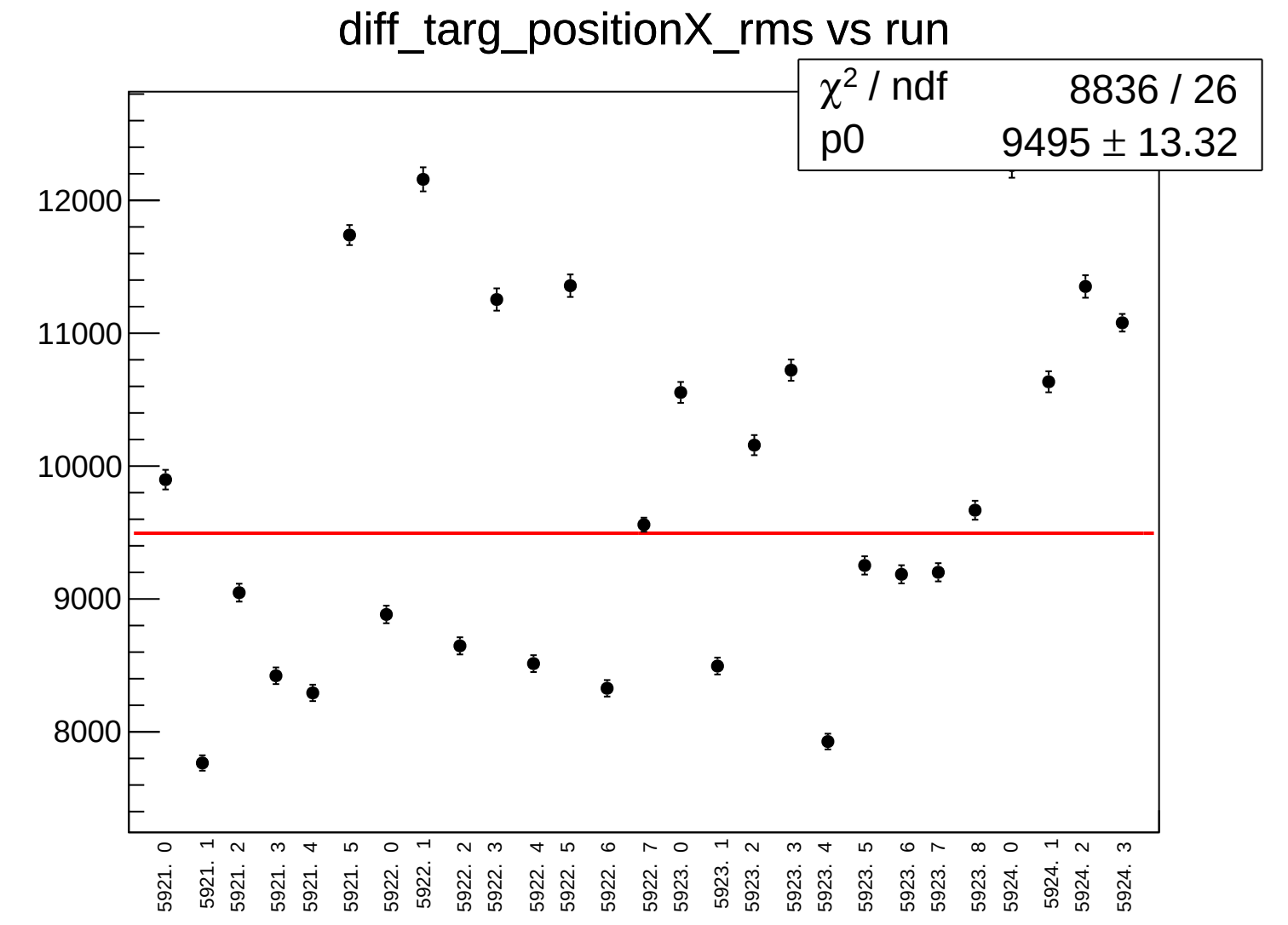

diff_dispE_bpm12X_mean vs run
χ² / ndf 24.54 / 26
p0 0.008506 ± 0.015
0.2
0.1
0
−0.1
−0.2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 1576
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

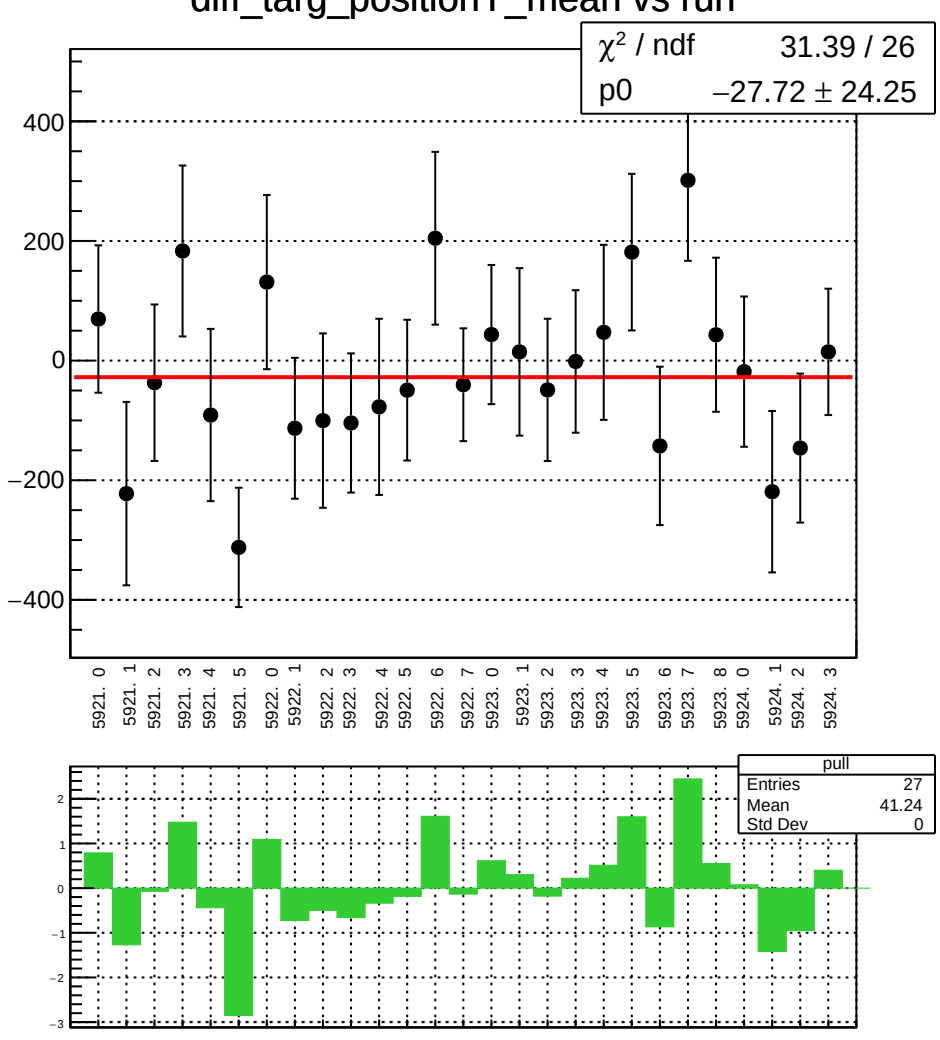

pull1D
Entries 27
Mean −0.0003373
Std Dev 0.9534
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

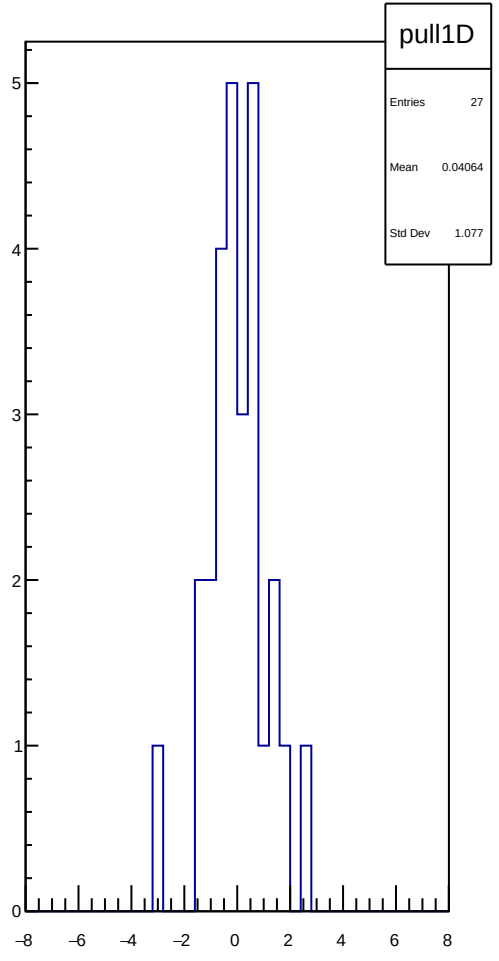

diff_dispE_bpm12X_rms vs run
χ² / ndf 1781 / 26
p0 7.614 ± 0.01061
8.6
8.4
8.2
8
7.8
7.6
7.4
7.2
7
6.8
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

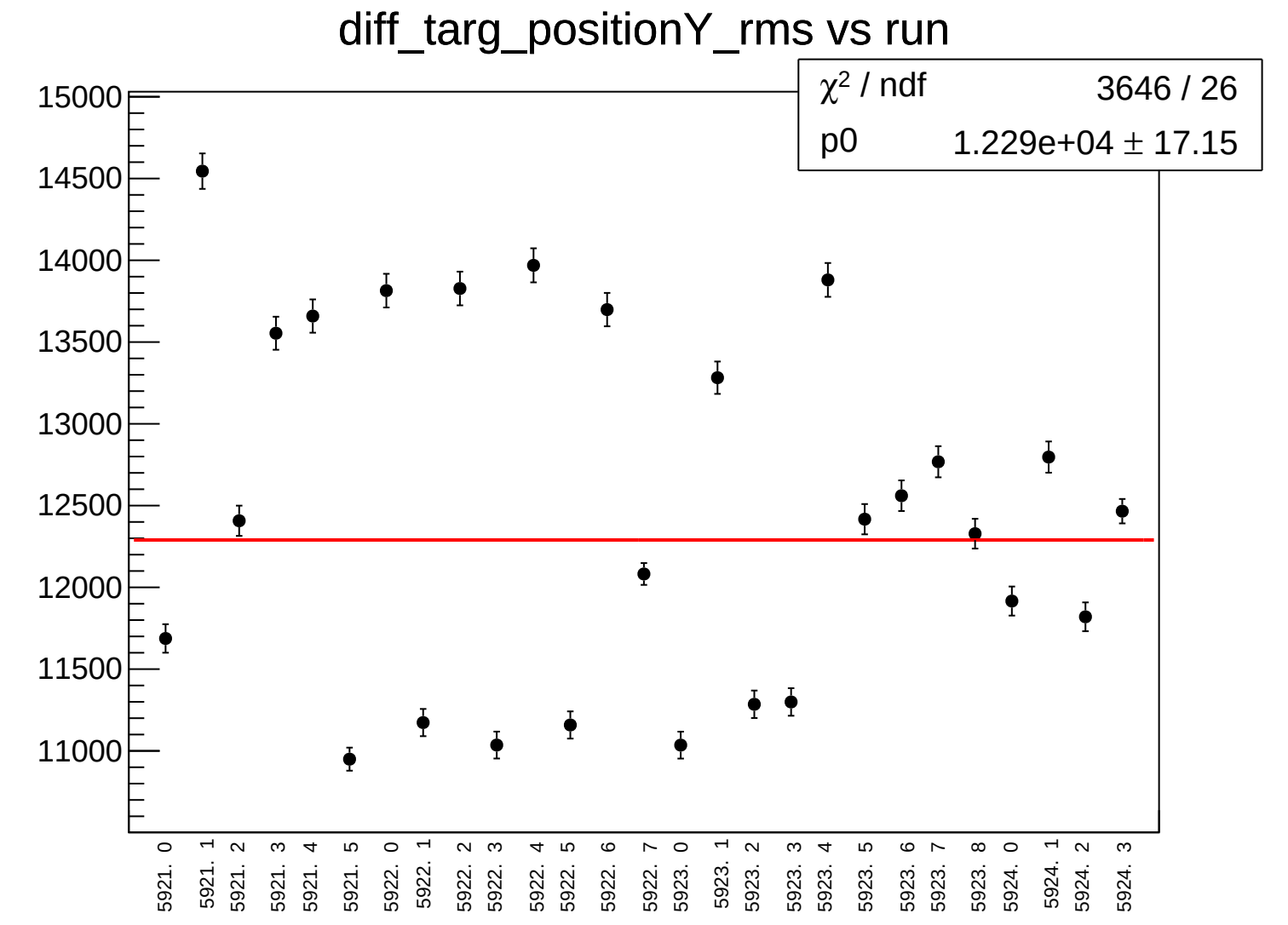

diff_targ_positionX_mean vs run
χ² / ndf 25.06 / 26
p0 −11.58 ± 18.83
300
200
100
0
−100
−200
−300
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 61.61
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

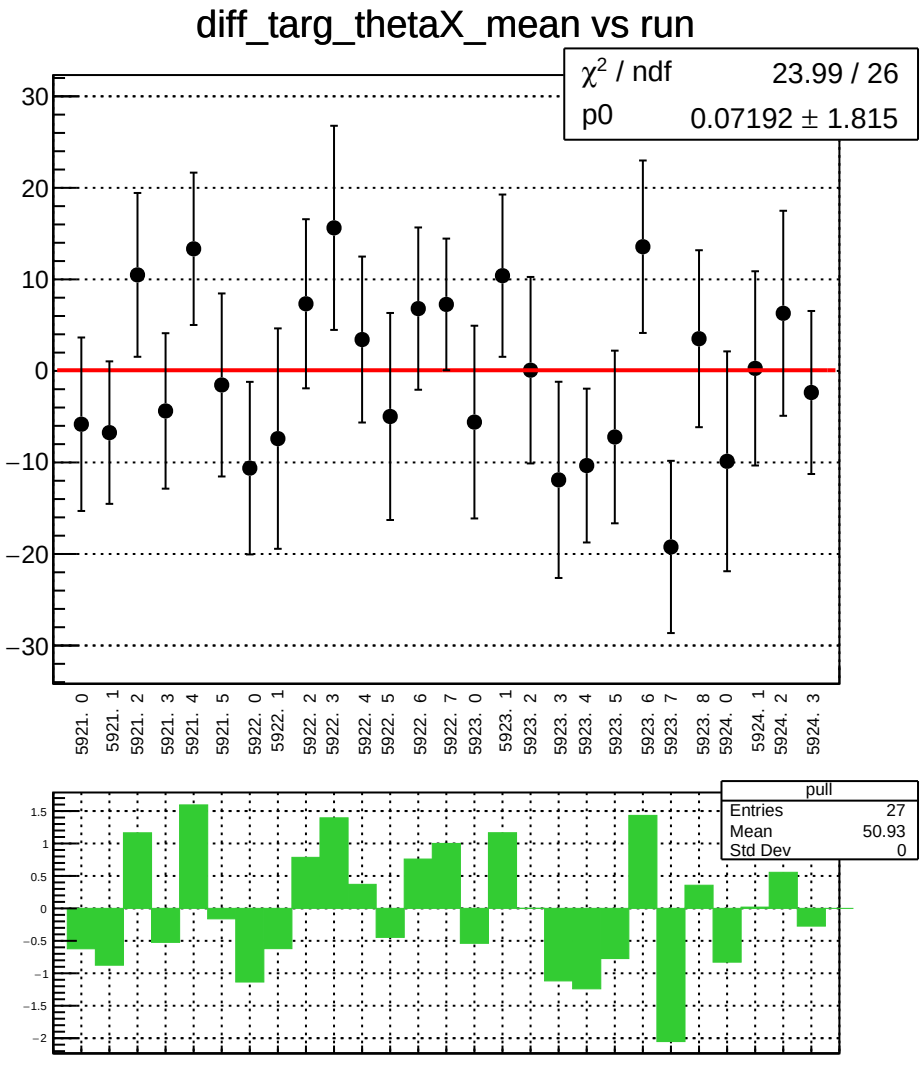

pull1D
Entries 27
Mean 0.02674
Std Dev 0.9631
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

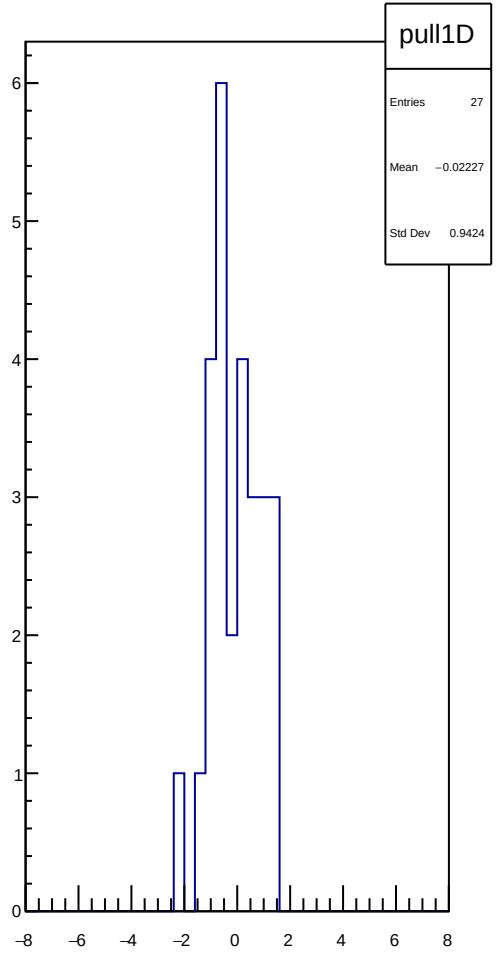

diff_targ_positionX_rms vs run
χ² / ndf 8836 / 26
p0 9495 ± 13.32
12000
11000
10000
9000
8000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

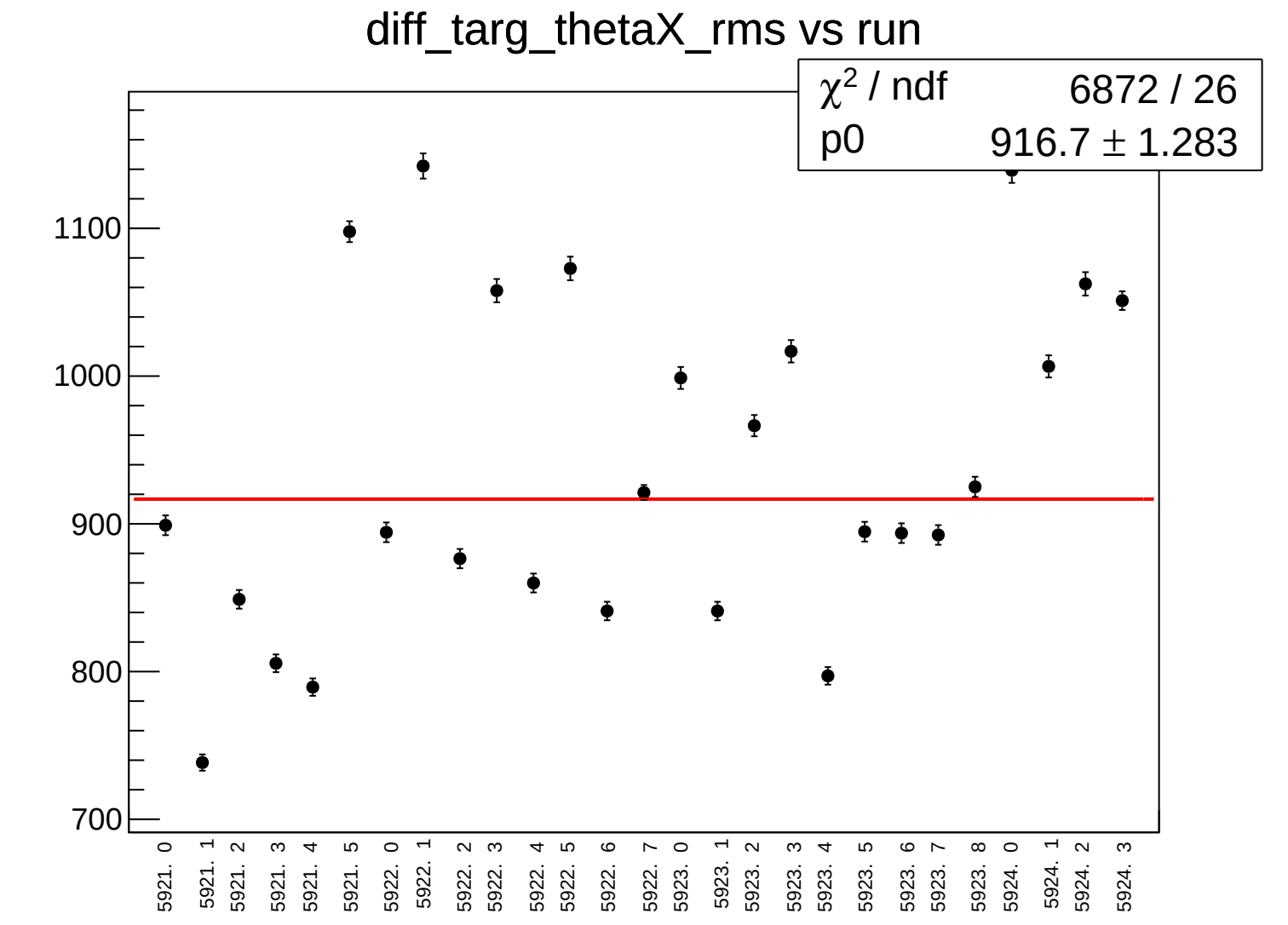

diff_targ_positionY_mean vs run
χ² / ndf 31.39 / 26
p0 −27.72 ± 24.25
400
200
0
−200
−400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 41.24
Std Dev 0
2
1
0
−1
−2
−3

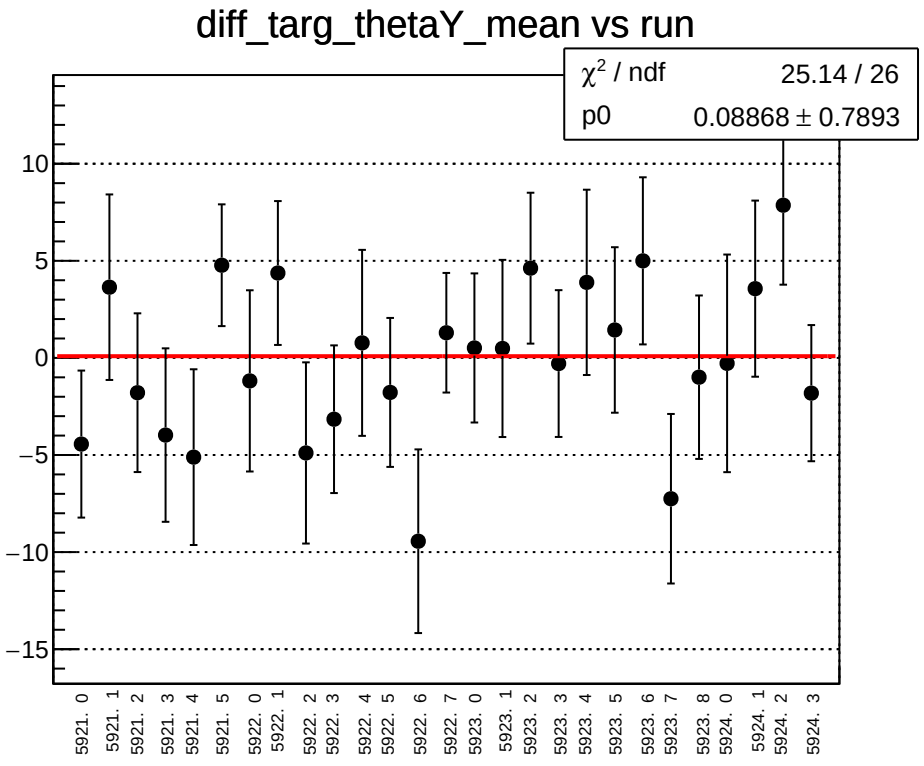

pull1D
Entries 27
Mean 0.04064
Std Dev 1.077
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

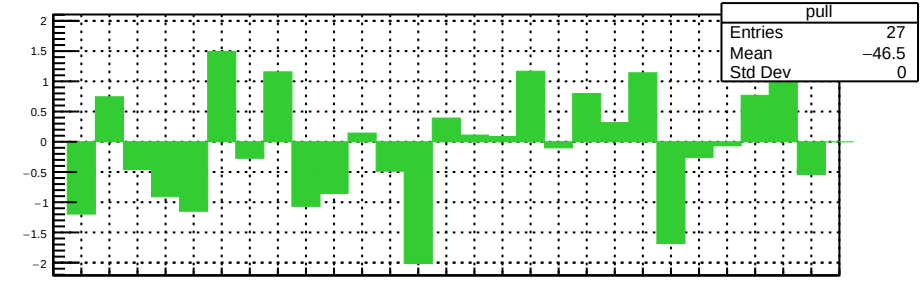

diff_targ_positionY_rms vs run
χ² / ndf 3646 / 26
p0 1.229e+04 ± 17.15
15000
14500
14000
13500
13000
12500
12000
11500
11000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

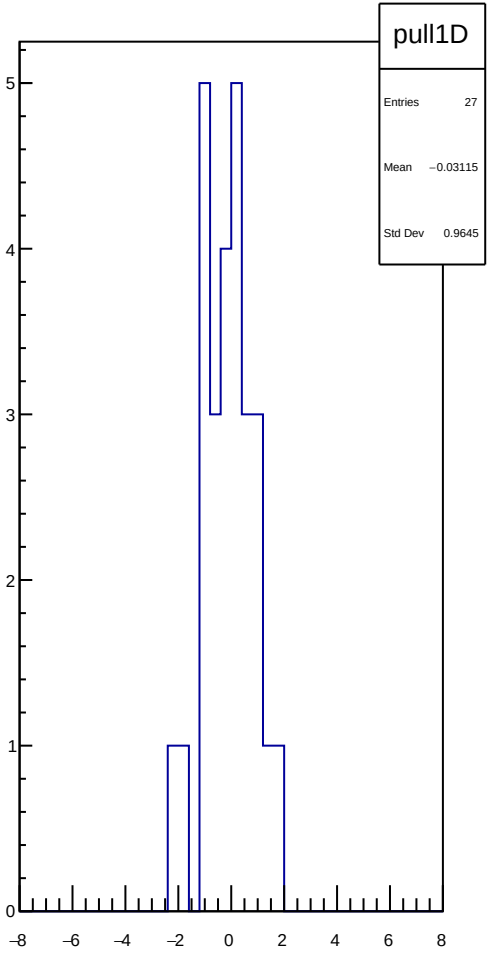

diff_targ_thetaX_mean vs run
χ² / ndf 23.99 / 26
p0 0.07192 ± 1.815
30
20
10
0
−10
−20
−30
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 50.93
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

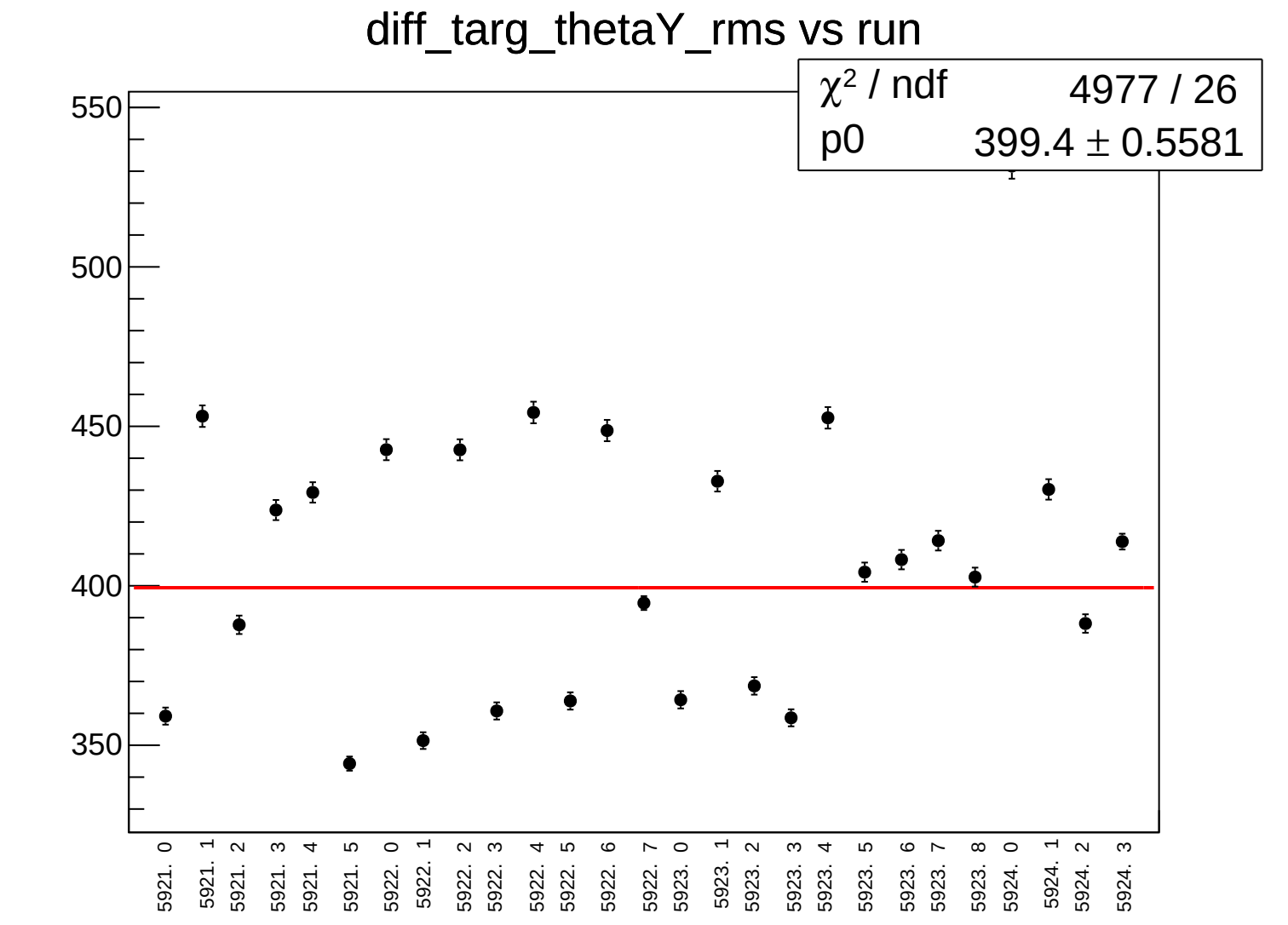

pull1D
Entries 27
Mean −0.02227
Std Dev 0.9424
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

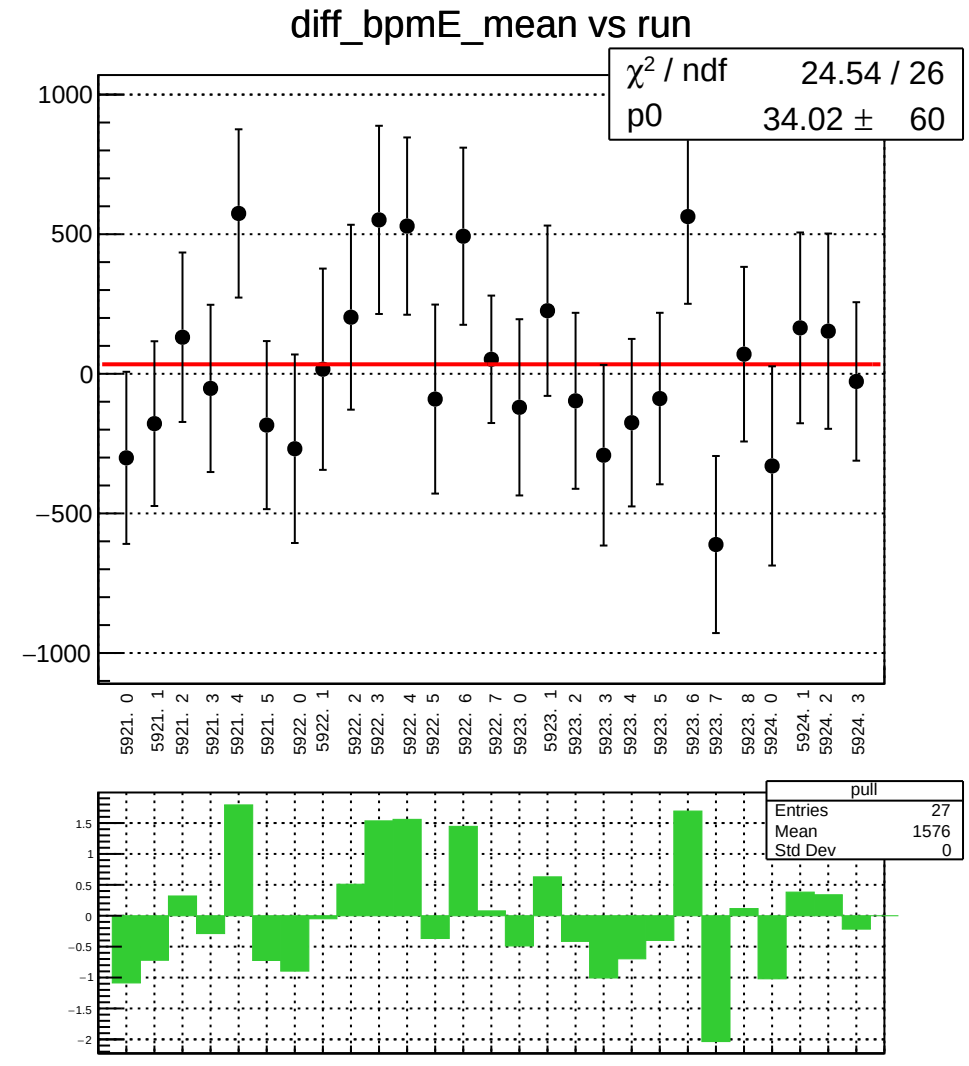

diff_targ_thetaX_rms vs run
χ² / ndf 6872 / 26
p0 916.7 ± 1.283
1100
1000
900
800
700
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

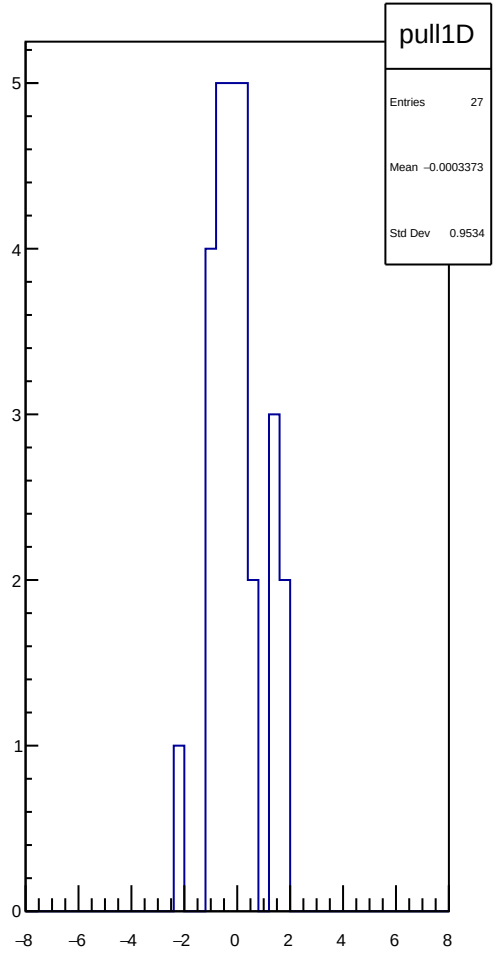

diff_targ_thetaY_mean vs run
χ² / ndf 25.14 / 26
p0 0.08868 ± 0.7893
10
5
0
−5
−10
−15
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

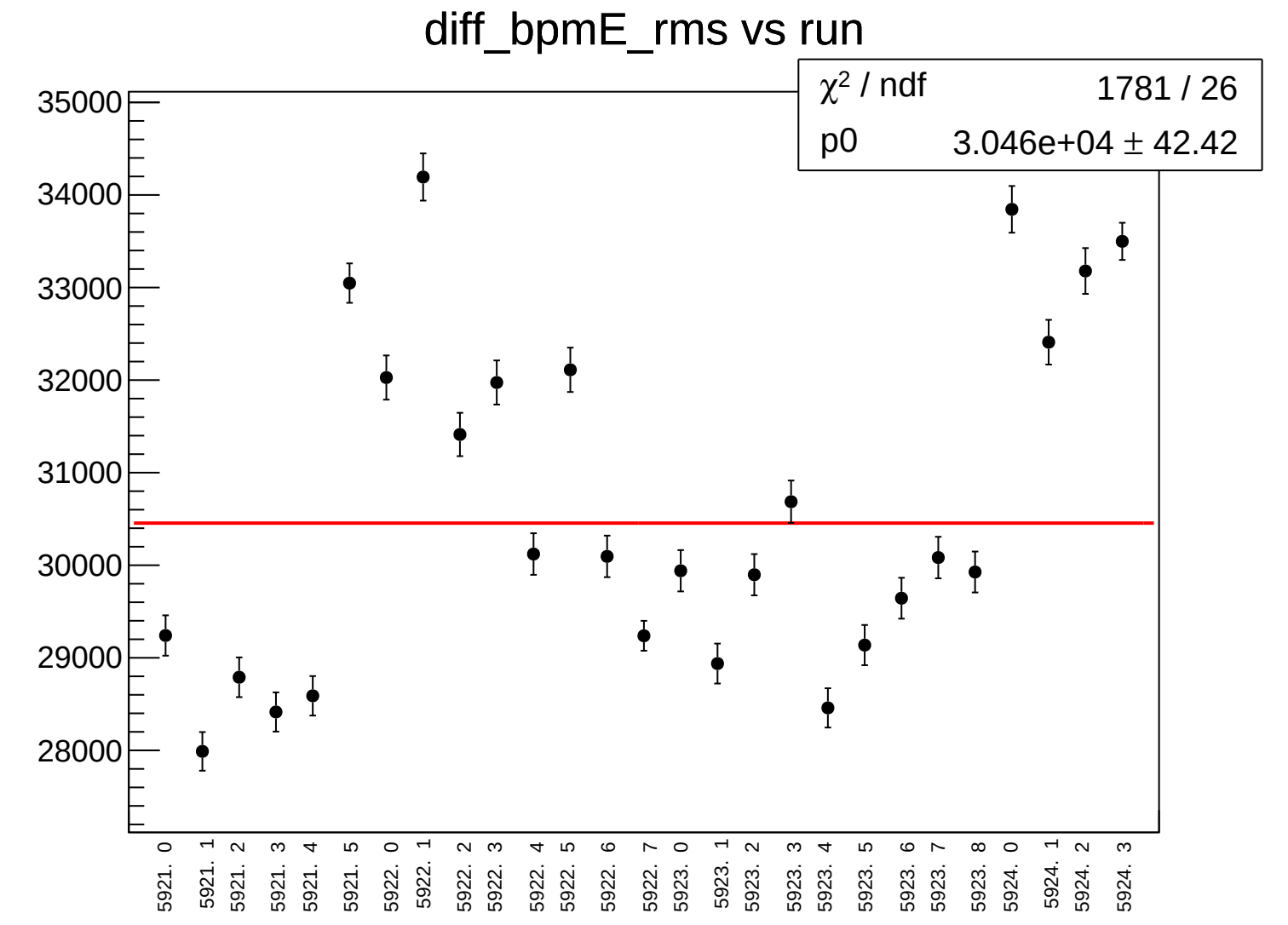

pull
Entries 27
Mean −46.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

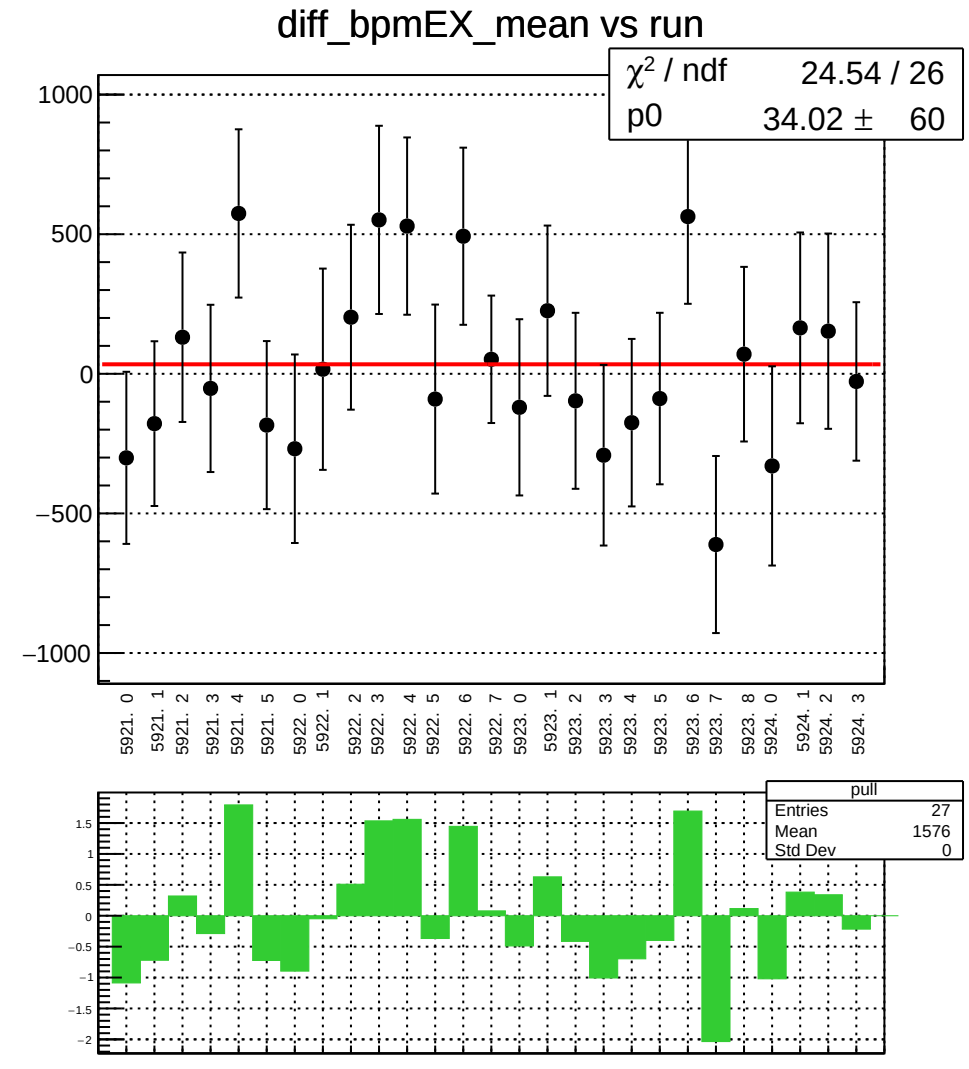

pull1D
Entries 27
Mean −0.03115
Std Dev 0.9645
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

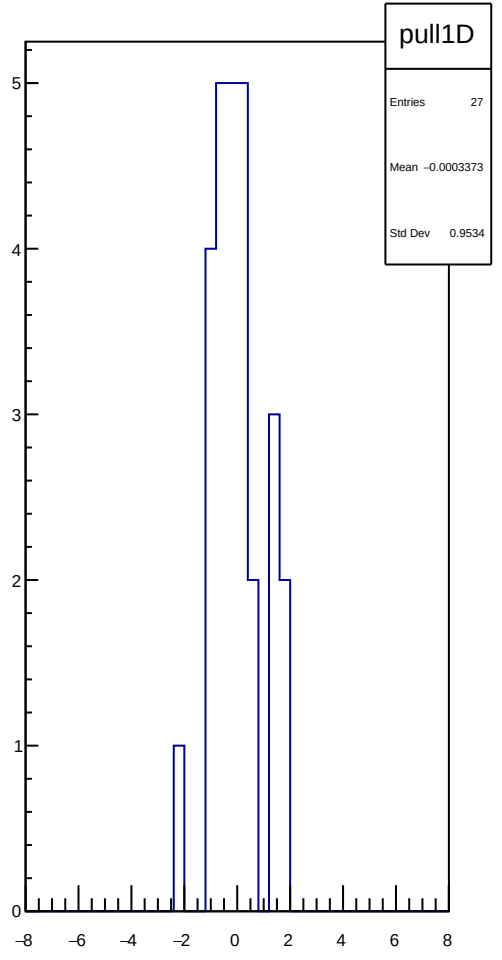

diff_targ_thetaY_rms vs run
χ² / ndf 4977 / 26
p0 399.4 ± 0.5581
550
500
450
400
350
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

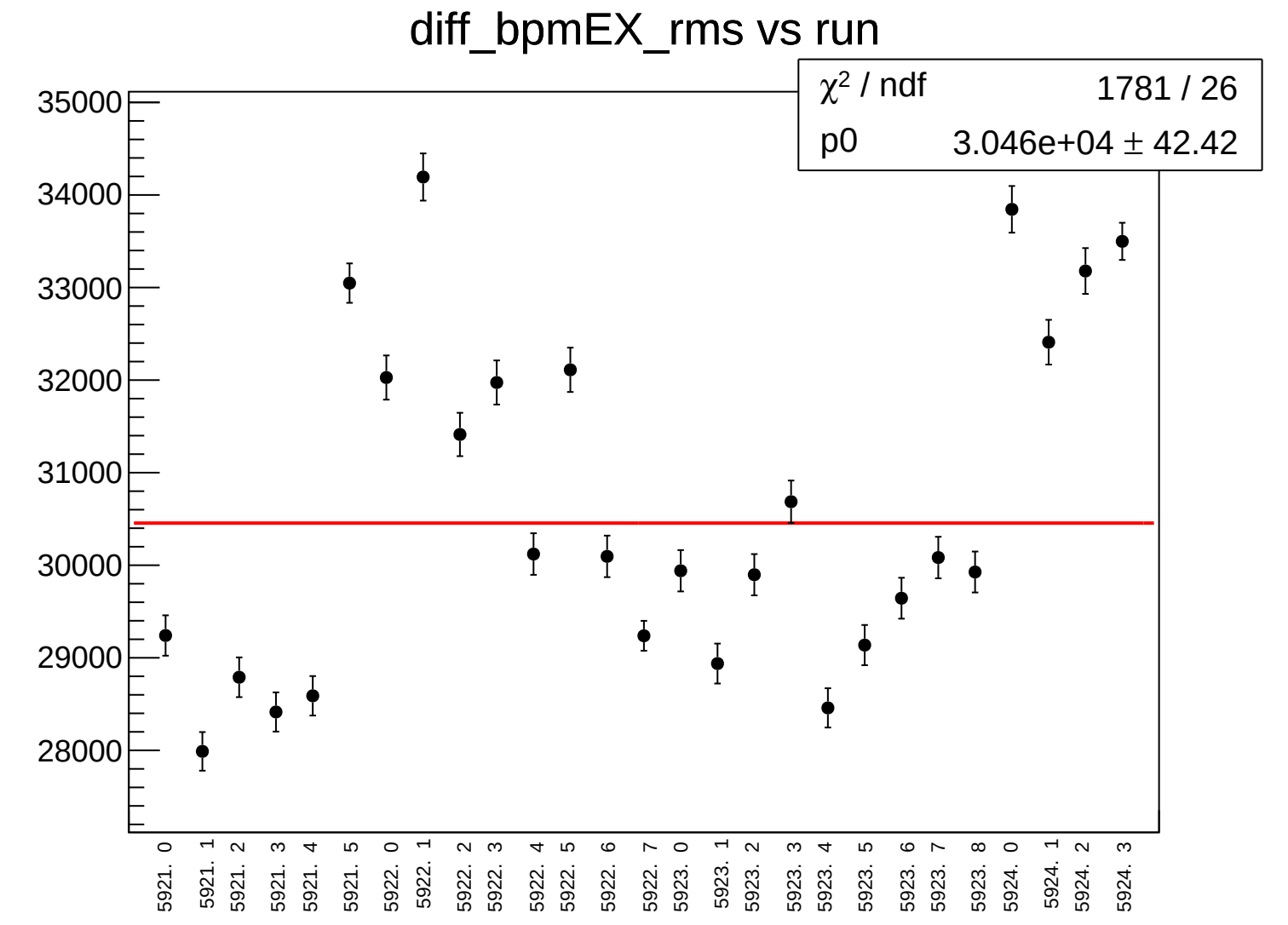

diff_bpmE_mean vs run
χ² / ndf 24.54 / 26
p0 34.02 ± 60
1000
500
0
−500
−1000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 1576
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

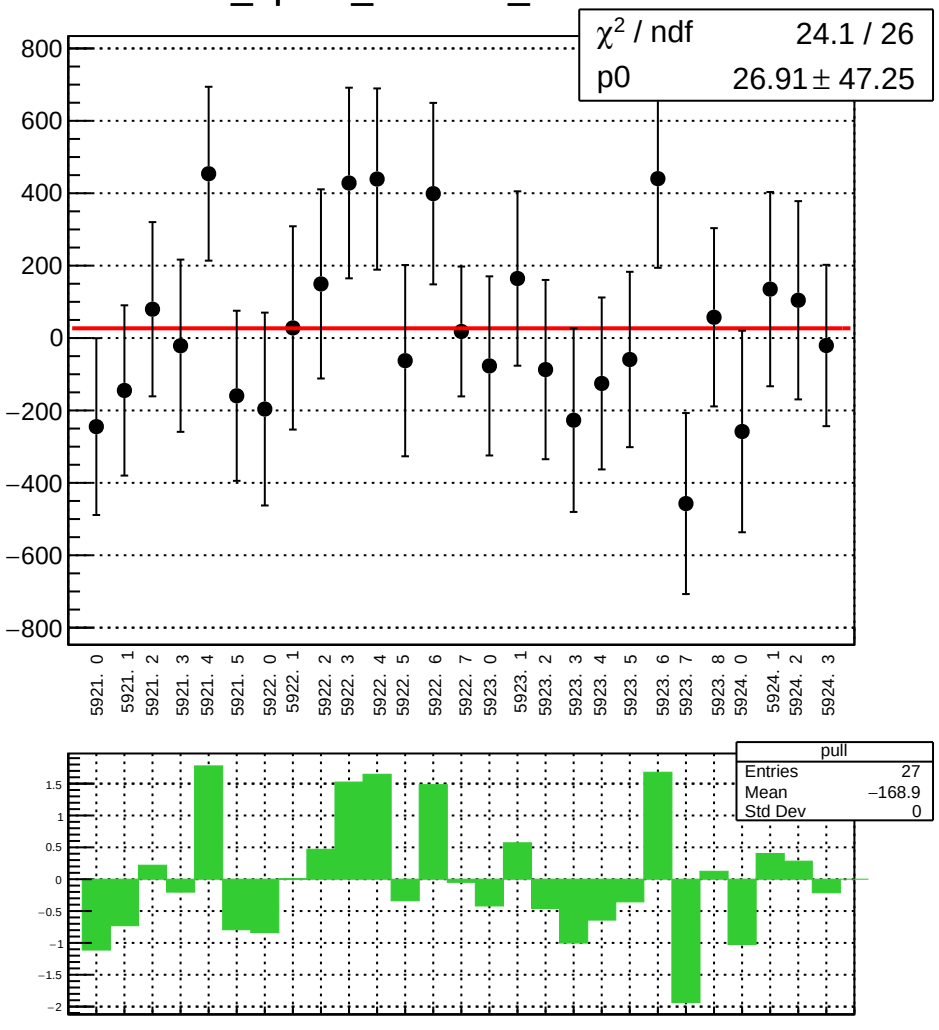

pull1D
Entries 27
Mean −0.0003373
Std Dev 0.9534
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

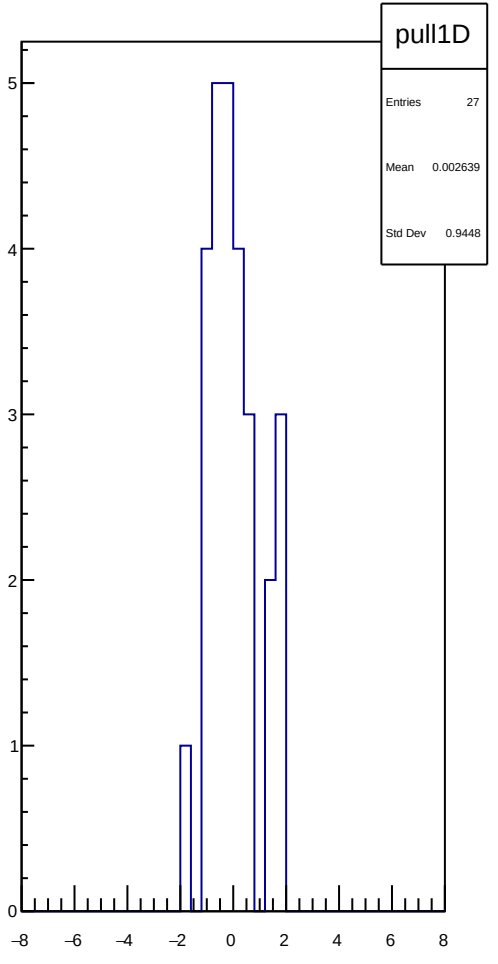

diff_bpmE_rms vs run
χ² / ndf 1781 / 26
p0 3.046e+04 ± 42.42
35000
34000
33000
32000
31000
30000
29000
28000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

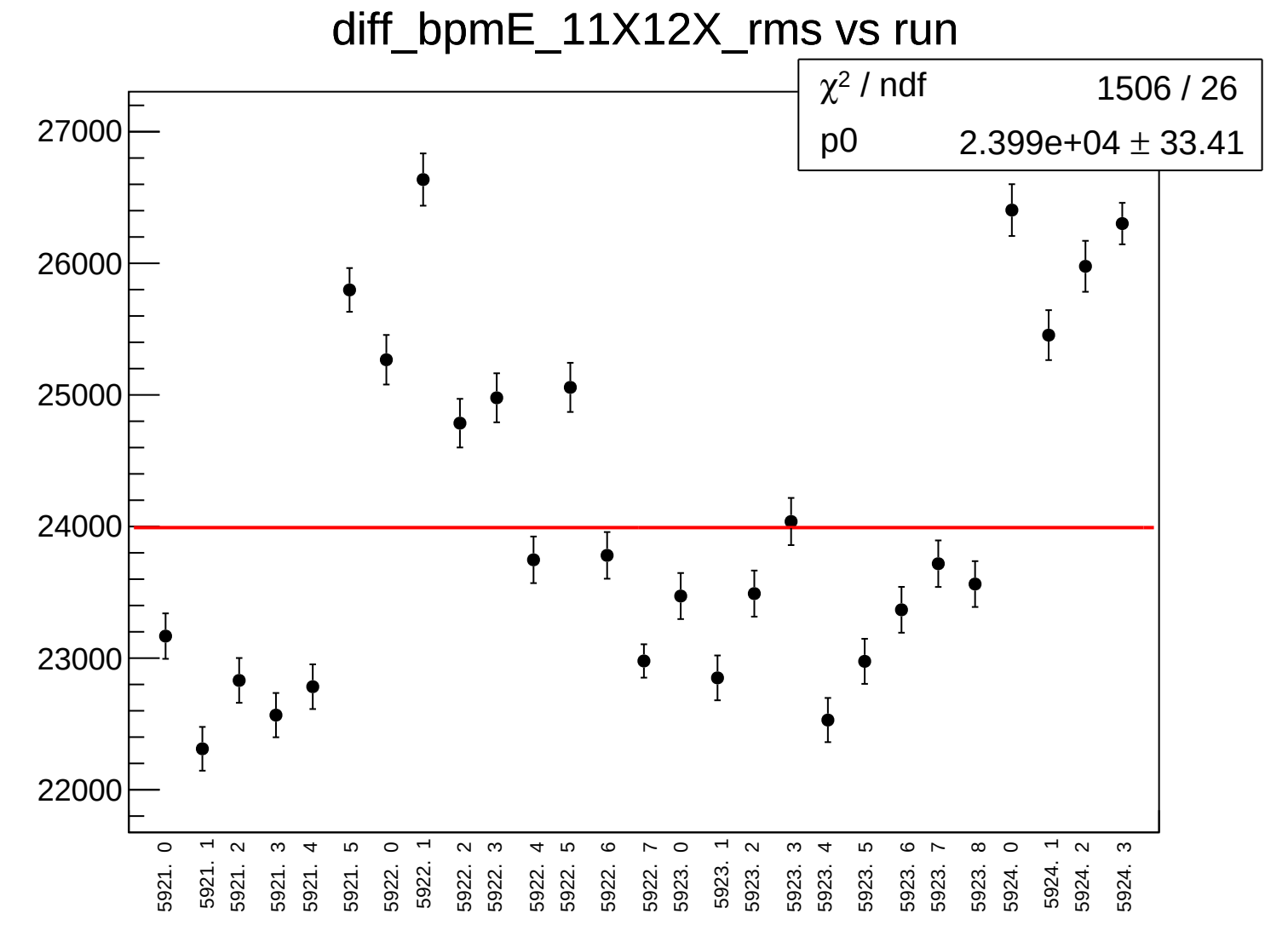

diff_bpmEX_mean vs run
χ² / ndf 24.54 / 26
p0 34.02 ± 60
1000
500
0
−500
−1000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 1576
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

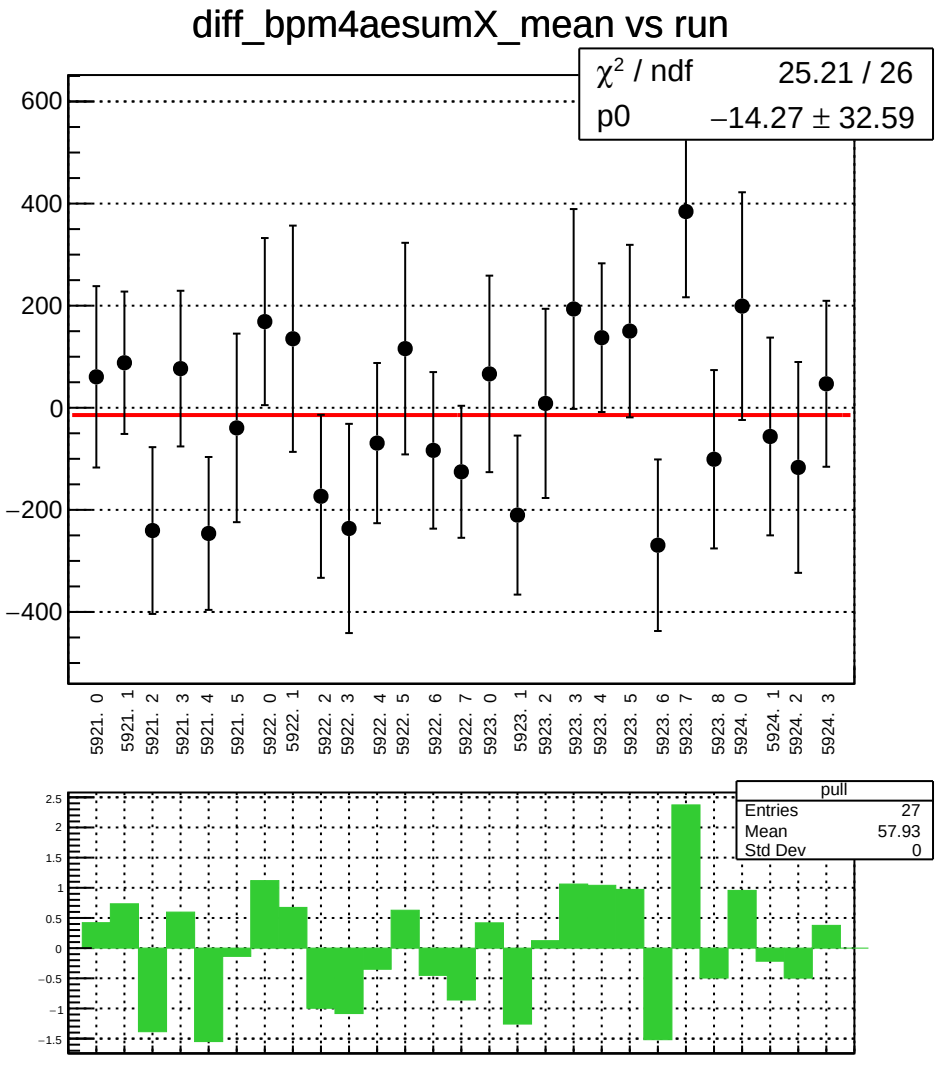

pull1D
Entries 27
Mean −0.0003373
Std Dev 0.9534
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

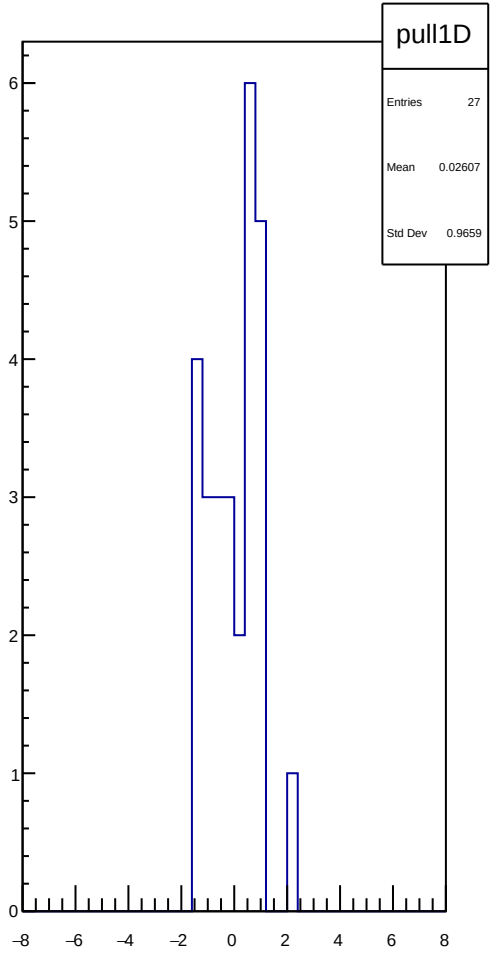

diff_bpmEX_rms vs run
χ² / ndf 1781 / 26
p0 3.046e+04 ± 42.42
35000
34000
33000
32000
31000
30000
29000
28000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

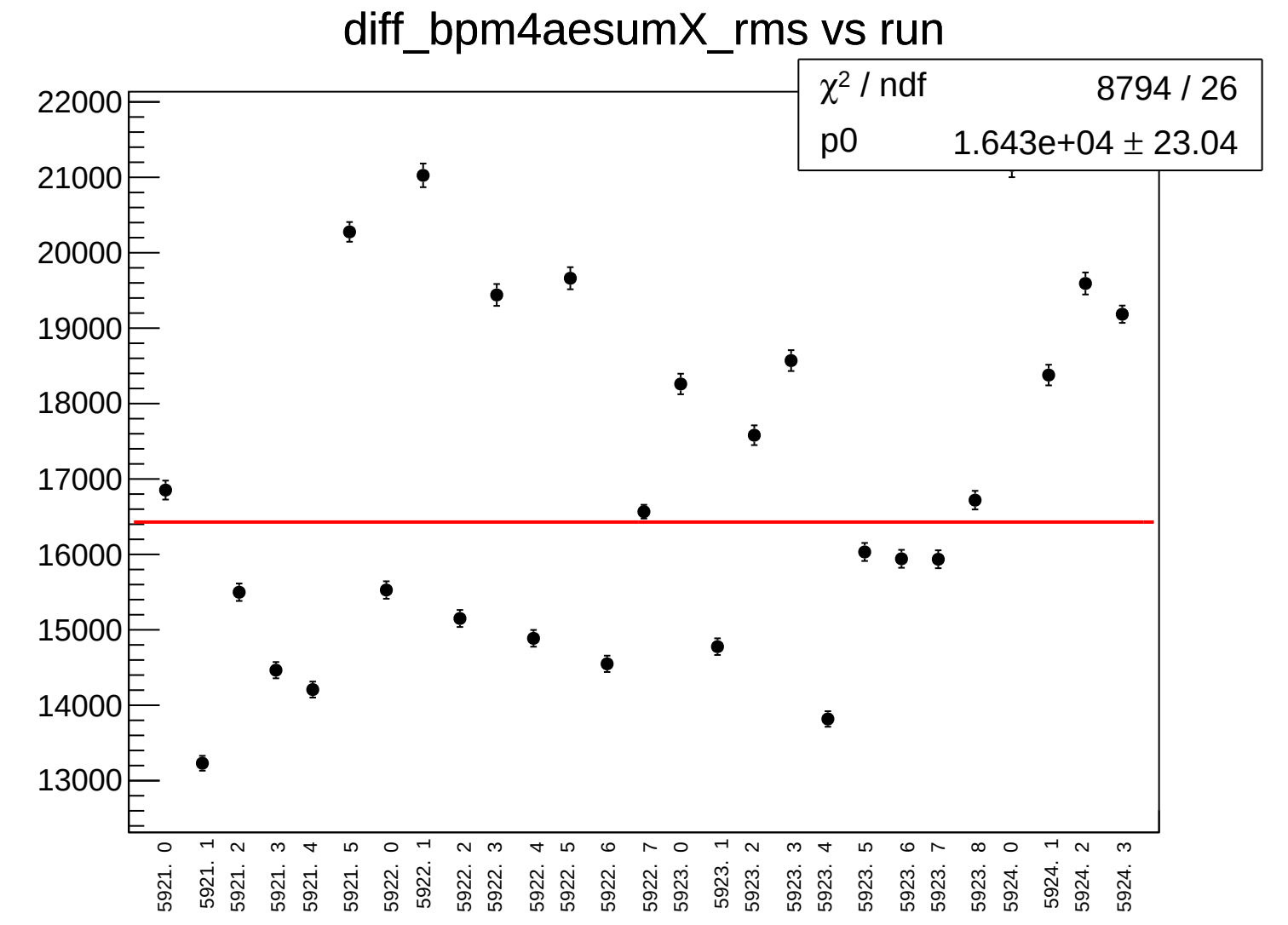

diff_bpmE_11X12X_mean vs run
χ² / ndf 24.1 / 26
p0 26.91 ± 47.25
800
600
400
200
0
−200
−400
−600
−800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −168.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

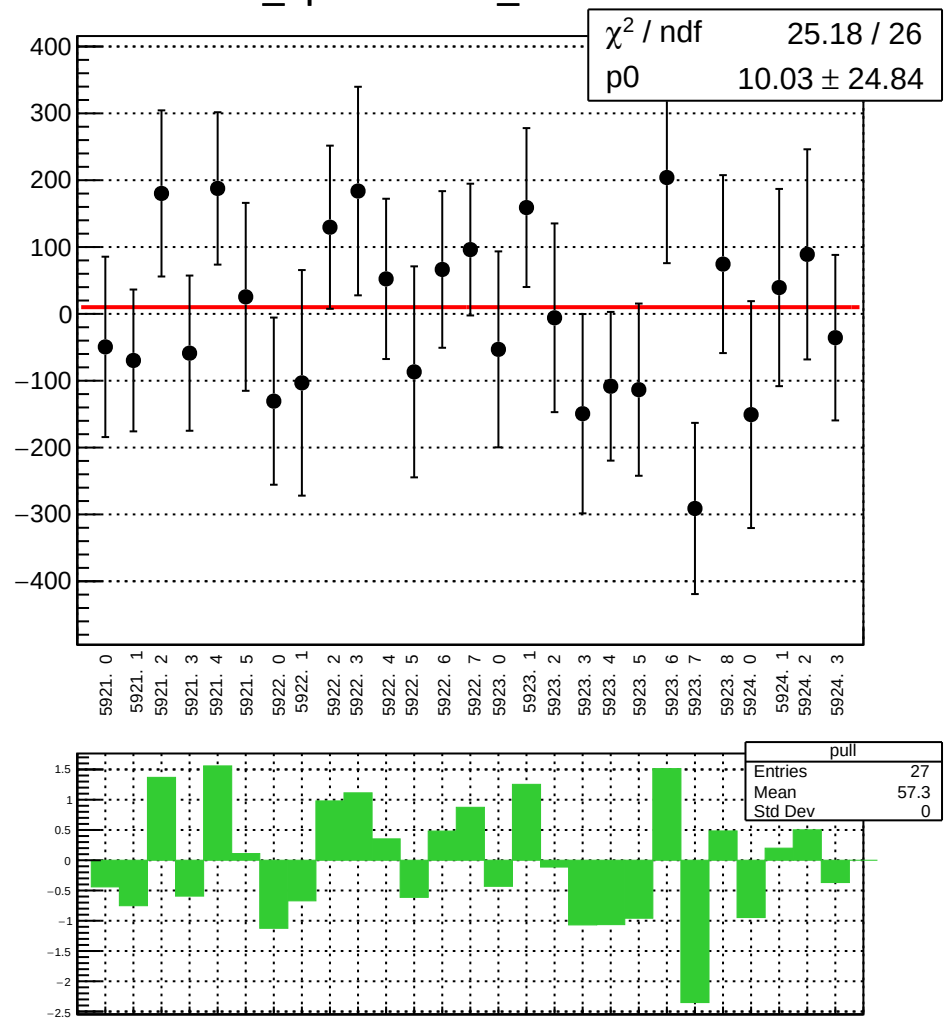

pull1D
Entries 27
Mean 0.002639
Std Dev 0.9448
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

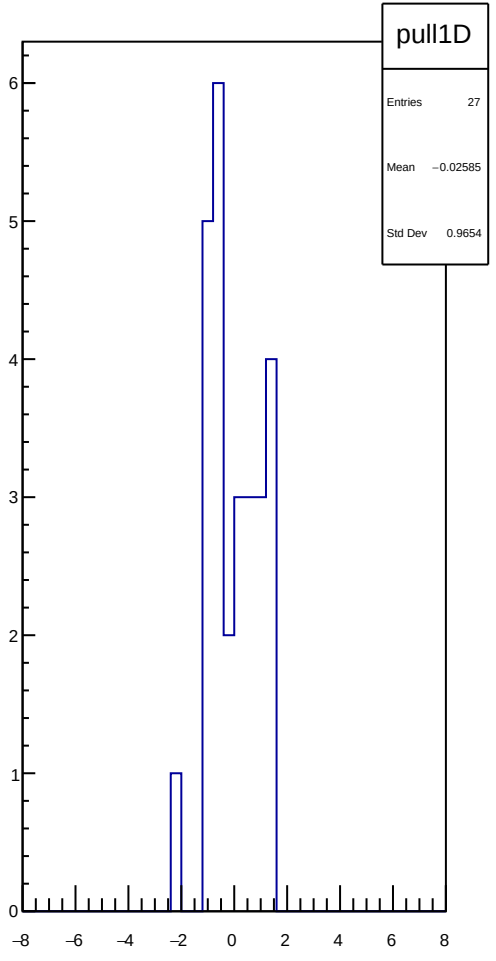

diff_bpmE_11X12X_rms vs run
χ² / ndf 1506 / 26
p0 2.399e+04 ± 33.41
27000
26000
25000
24000
23000
22000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

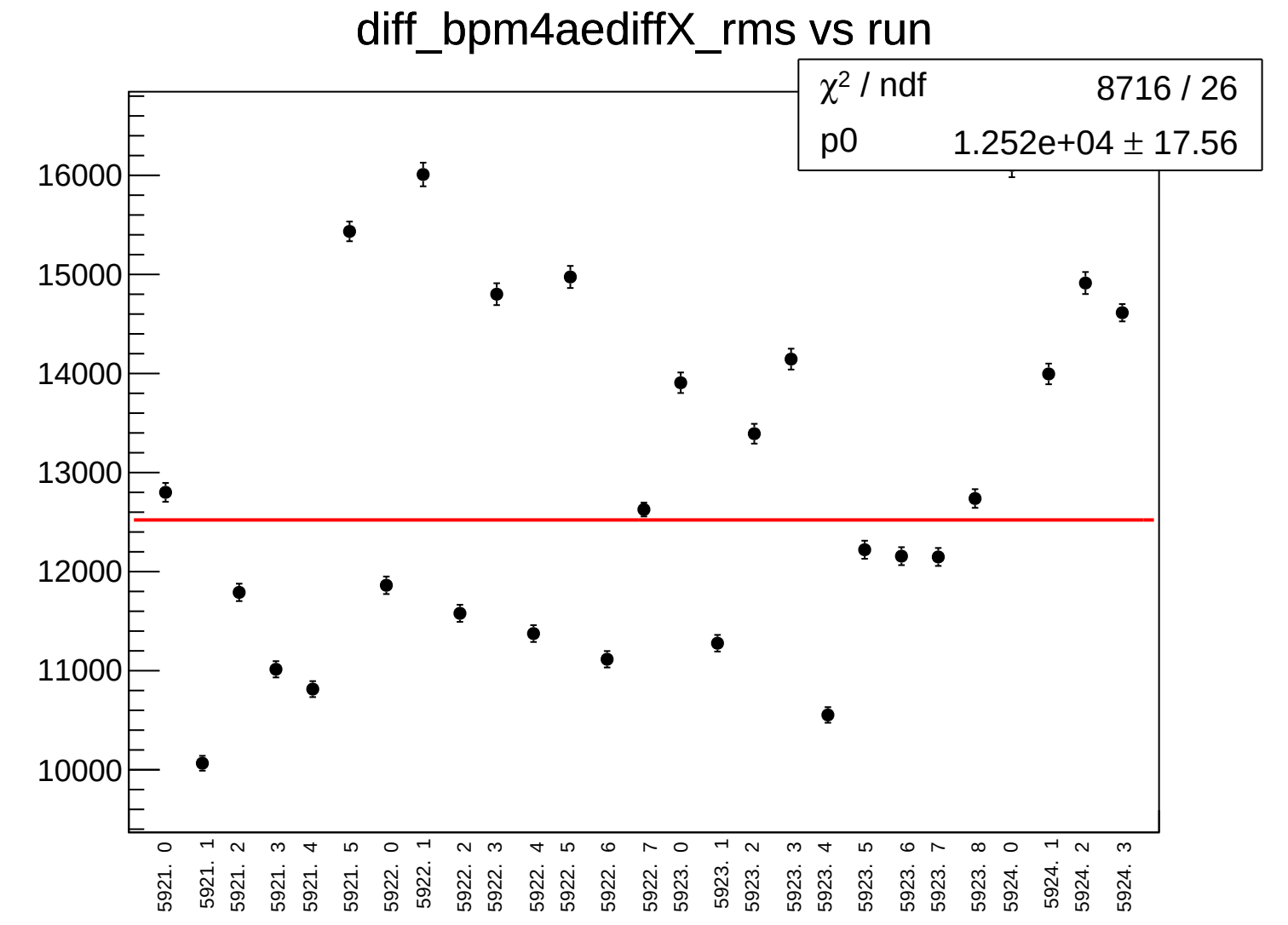

diff_bpm4aesumX_mean vs run
χ² / ndf 25.21 / 26
p0 −14.27 ± 32.59
600
400
200
0
−200
−400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 57.93
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

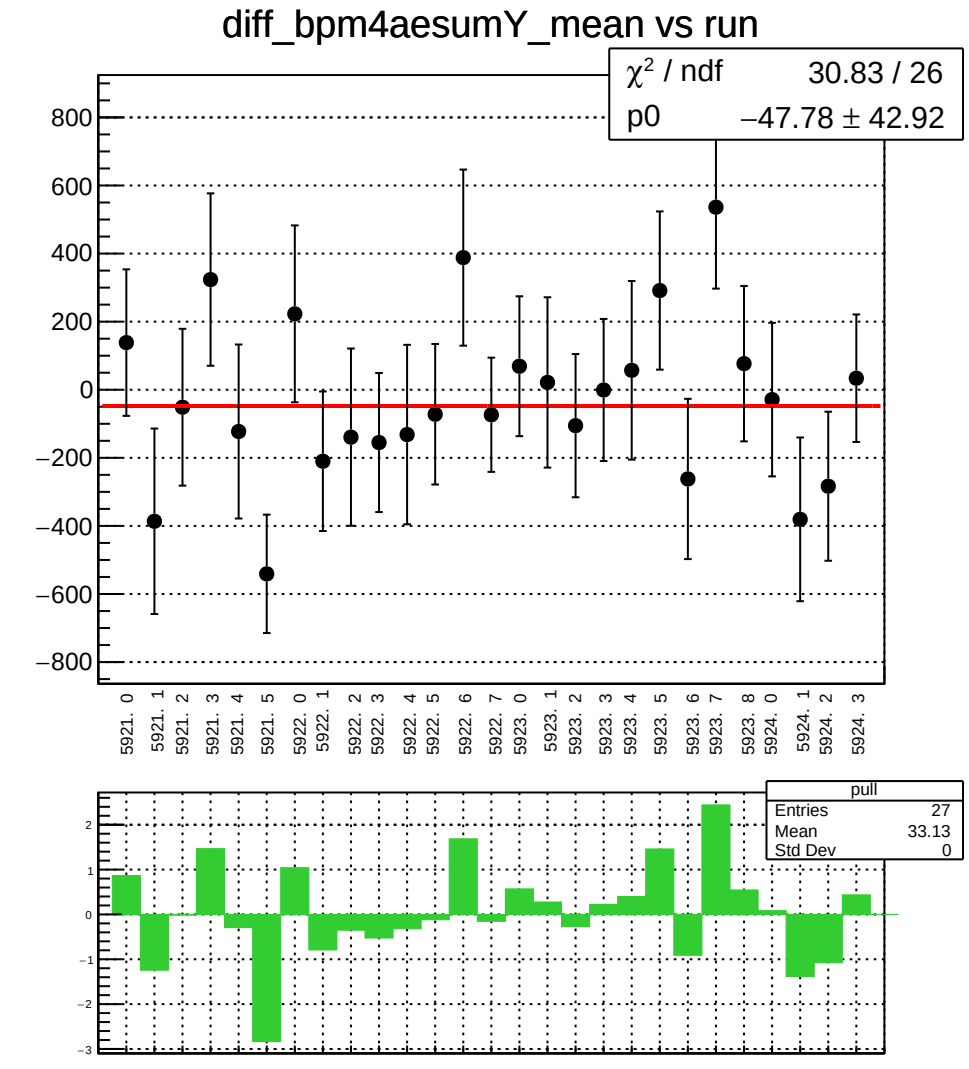

pull1D
Entries 27
Mean 0.02607
Std Dev 0.9659
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

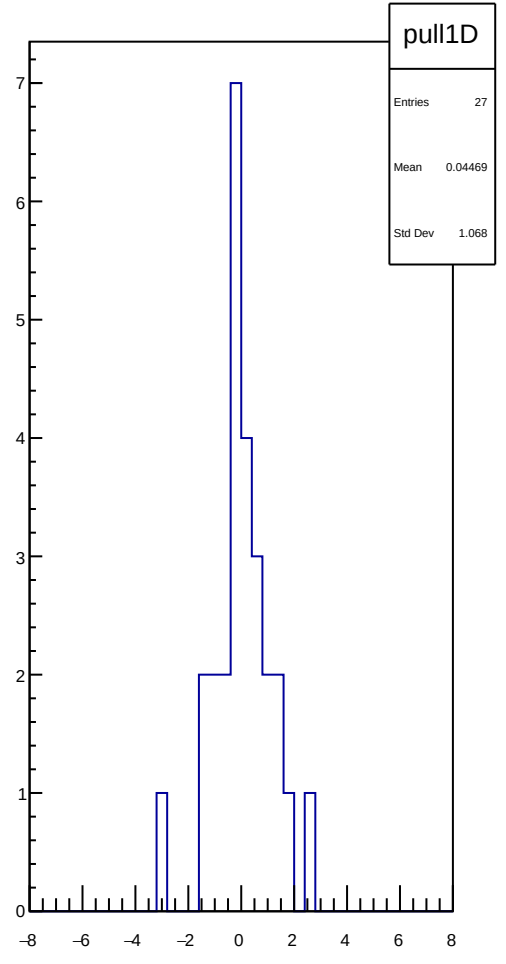

diff_bpm4aesumX_rms vs run
χ² / ndf 8794 / 26
p0 1.643e+04 ± 23.04
22000
21000
20000
19000
18000
17000
16000
15000
14000
13000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

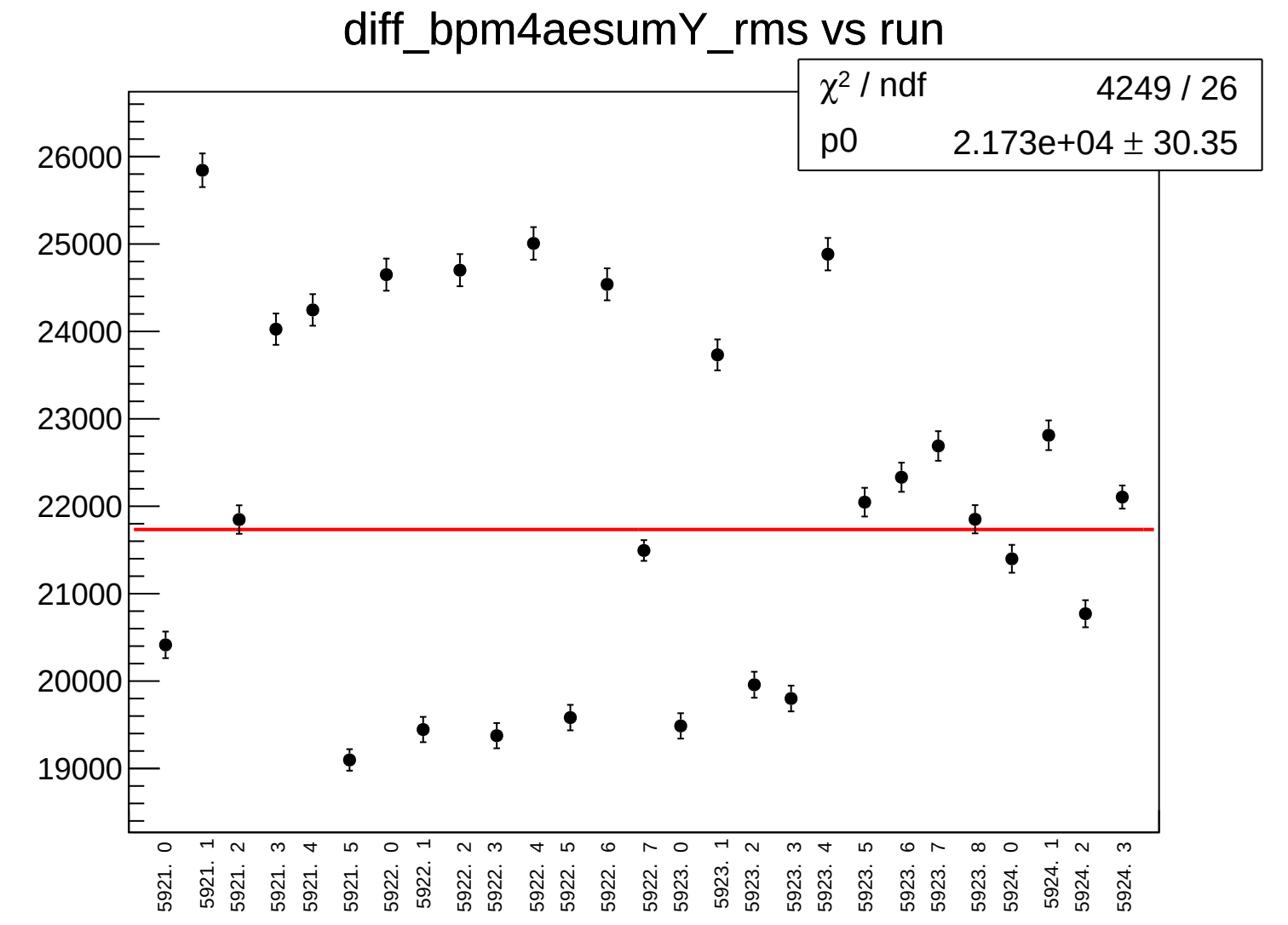

diff_bpm4aediffX_mean vs run
χ² / ndf 25.18 / 26
p0 10.03 ± 24.84
pull
Entries 27
Mean 57.3
Std Dev 0

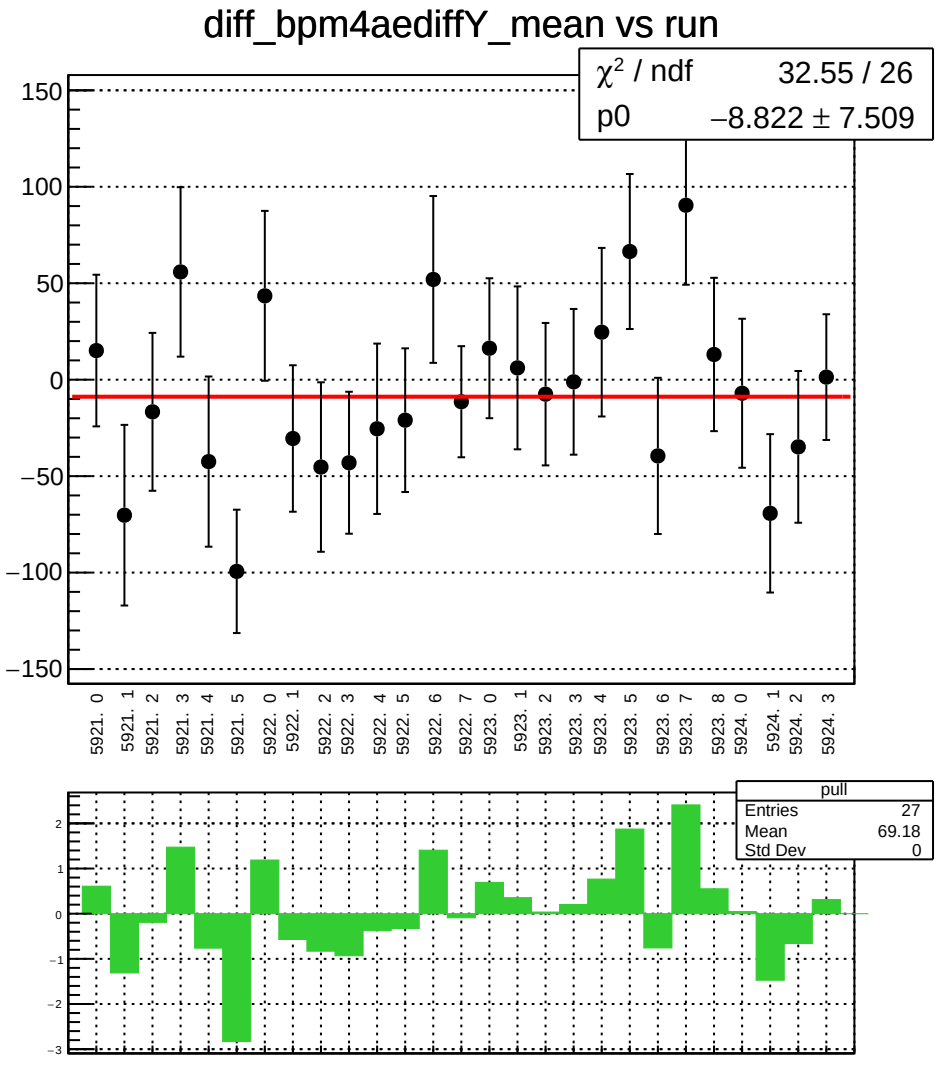

pull1D
Entries 27
Mean −0.02585
Std Dev 0.9654

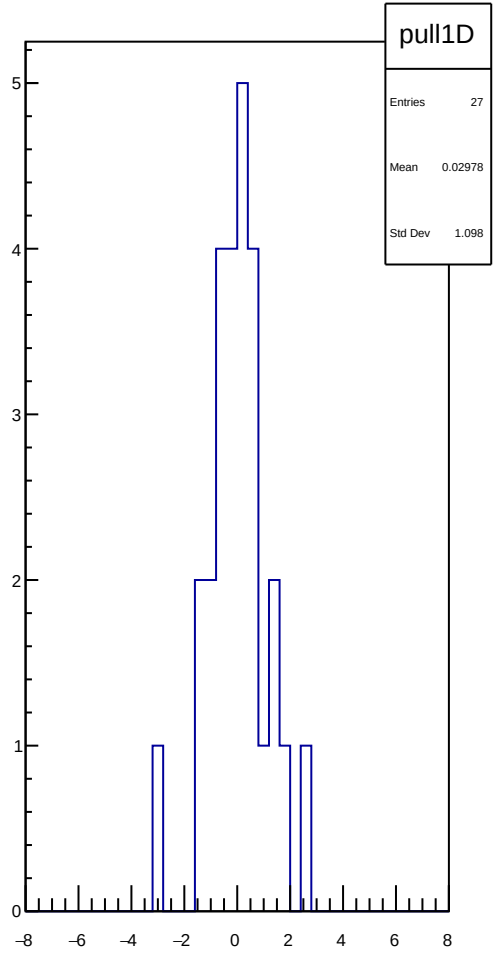

diff_bpm4aediffX_rms vs run
χ² / ndf 8716 / 26
p0 1.252e+04 ± 17.56
16000
15000
14000
13000
12000
11000
10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

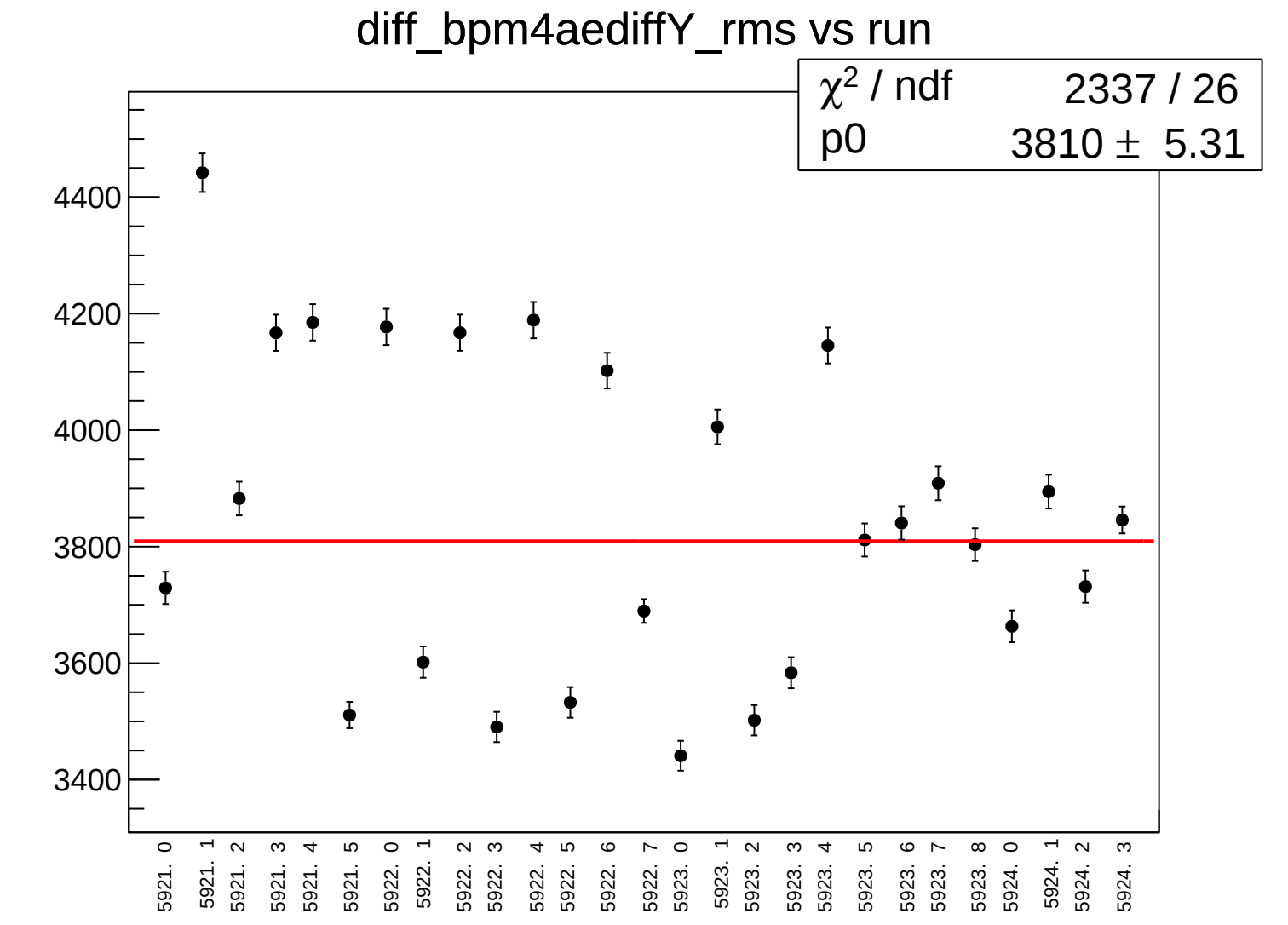

diff_bpm4aesumY_mean vs run
χ² / ndf 30.83 / 26
p0 −47.78 ± 42.92
pull
Entries 27
Mean 33.13
Std Dev 0

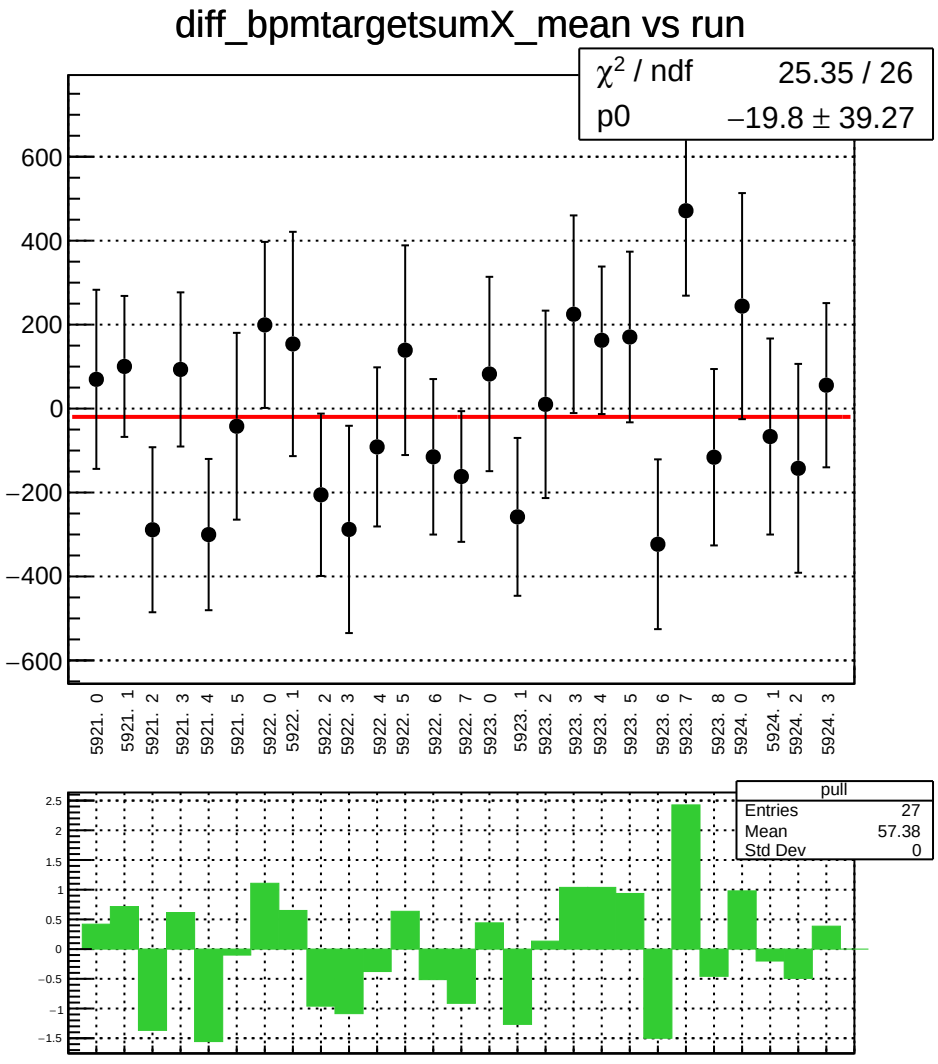

pull1D
Entries 27
Mean 0.04469
Std Dev 1.068

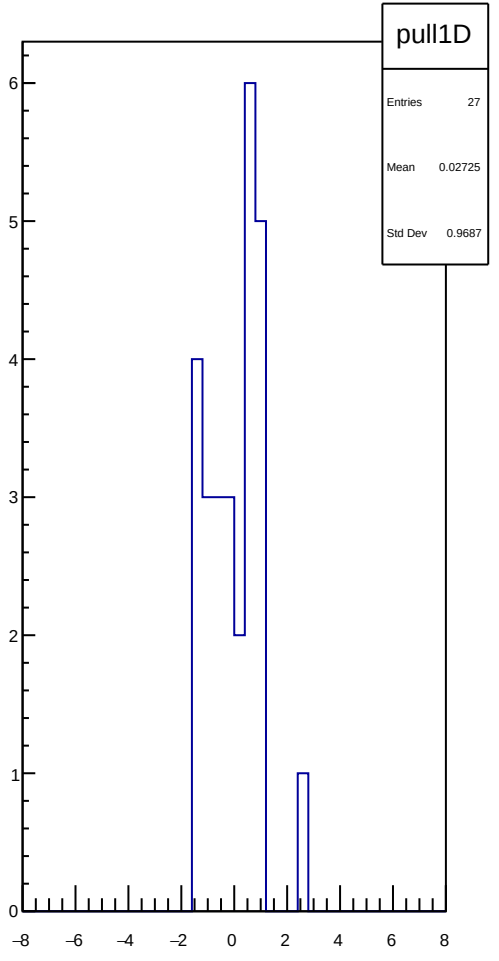

diff_bpm4aesumY_rms vs run
χ² / ndf 4249 / 26
p0 2.173e+04 ± 30.35
26000
25000
24000
23000
22000
21000
20000
19000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

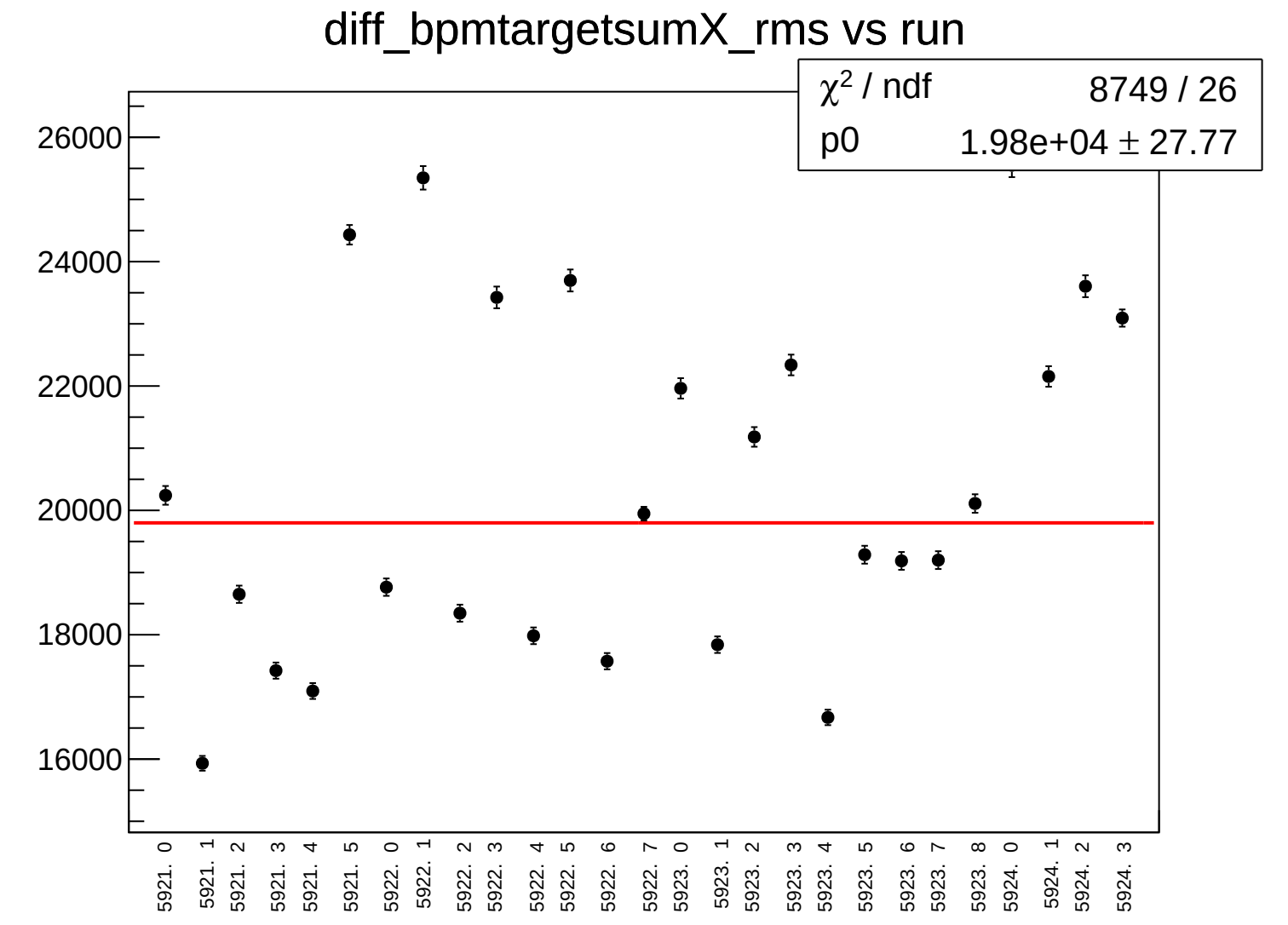

diff_bpm4aediffY_mean vs run
χ² / ndf 32.55 / 26
p0 −8.822 ± 7.509
150
100
50
0
−50
−100
−150
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 69.18
Std Dev 0
2
1
0
−1
−2
−3

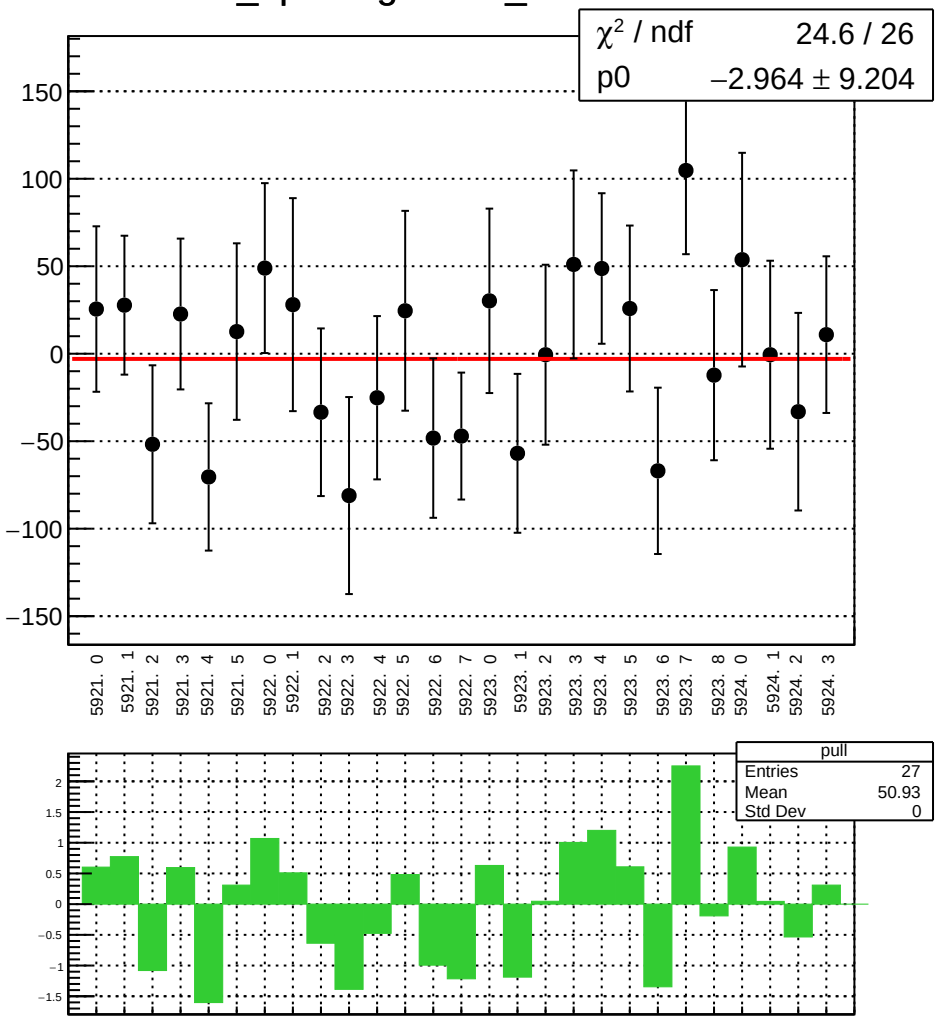

pull1D
Entries 27
Mean 0.02978
Std Dev 1.098
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

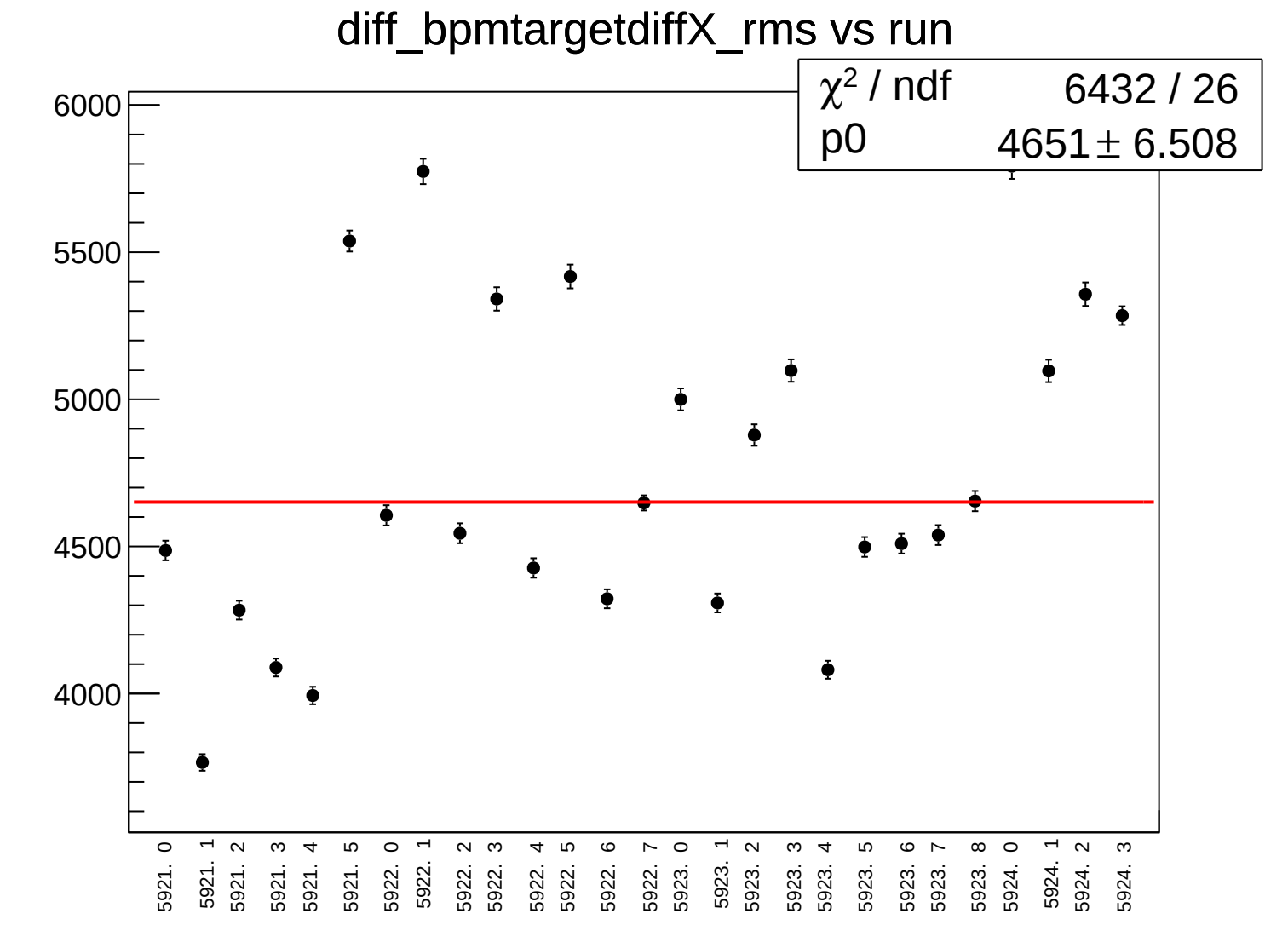

diff_bpm4aediffY_rms vs run
χ² / ndf 2337 / 26
p0 3810 ± 5.31
4400
4200
4000
3800
3600
3400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

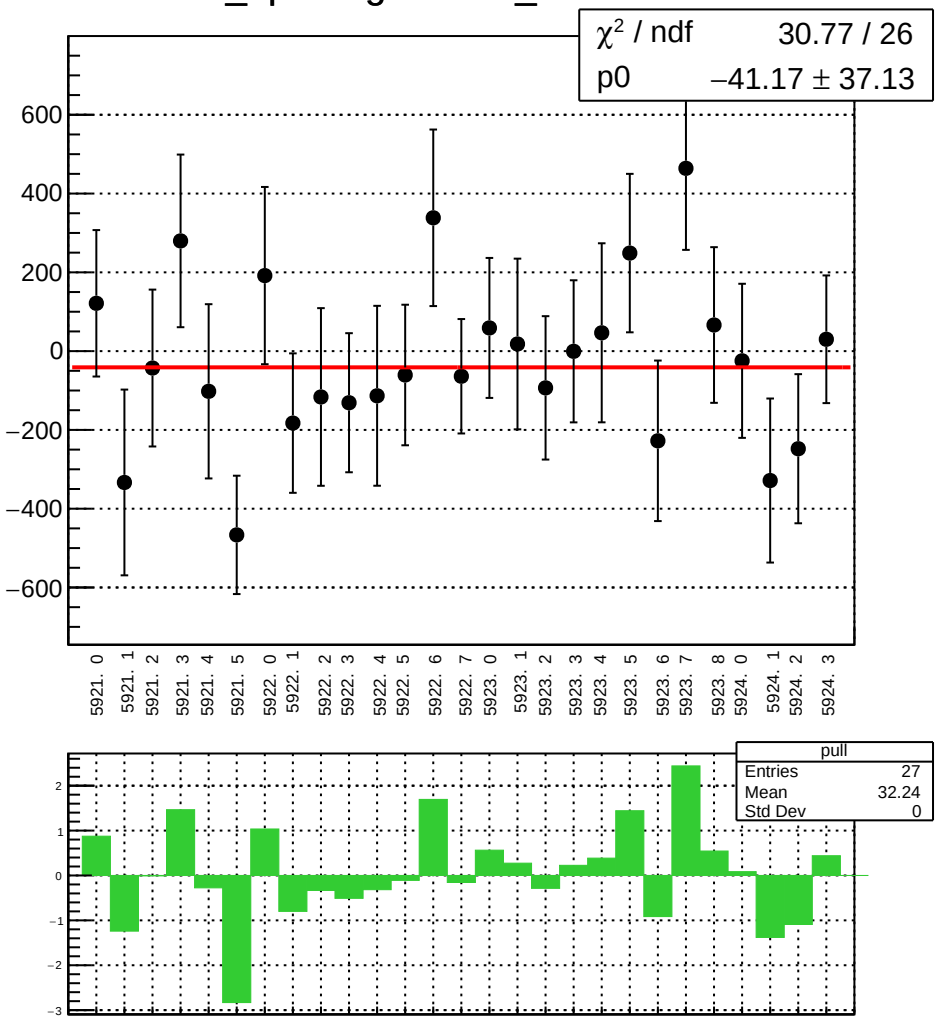

diff_bpmtargetsumX_mean vs run
χ² / ndf 25.35 / 26
p0 −19.8 ± 39.27
600
400
200
0
−200
−400
−600
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 57.38
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

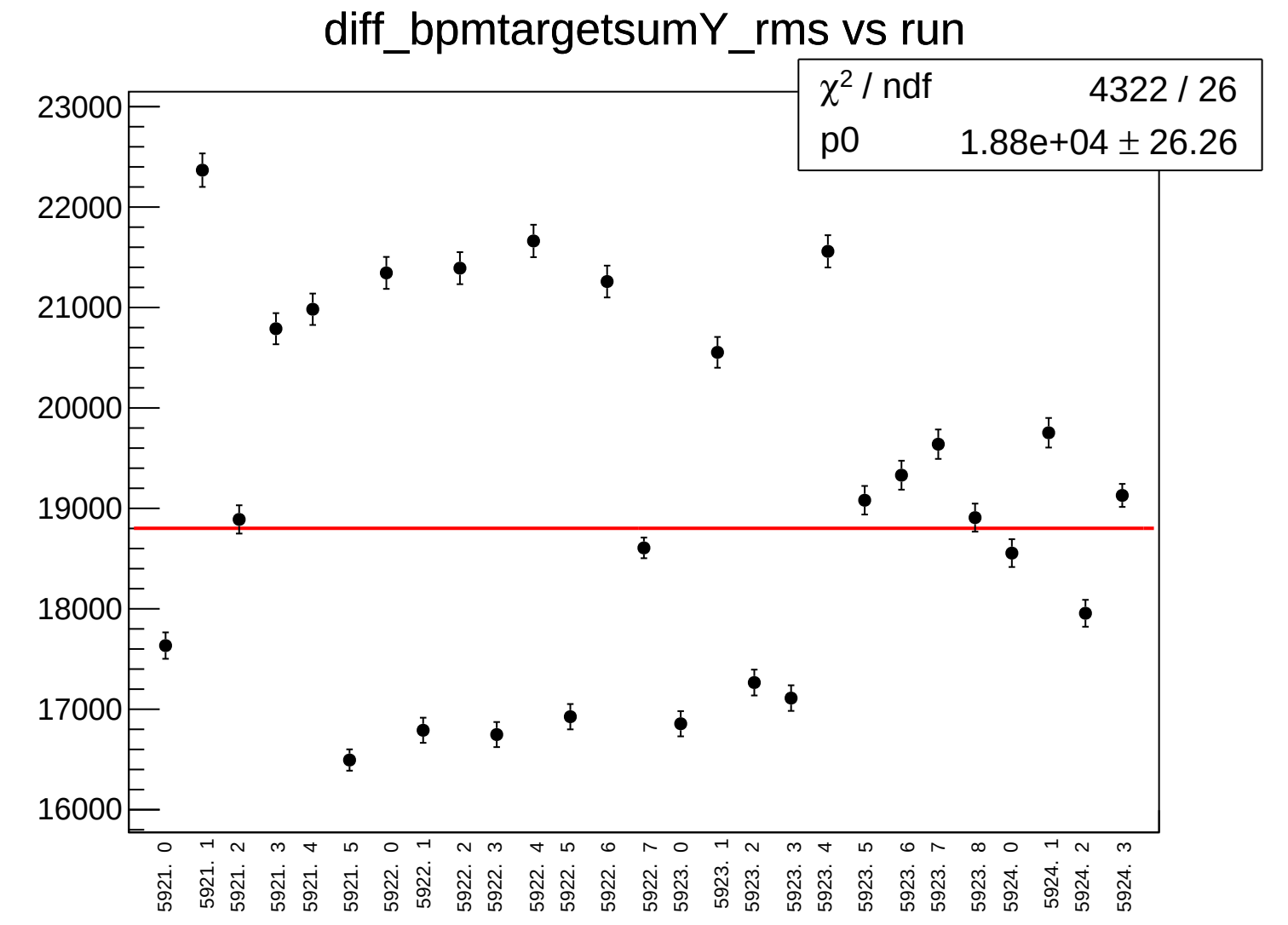

pull1D
Entries 27
Mean 0.02725
Std Dev 0.9687
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

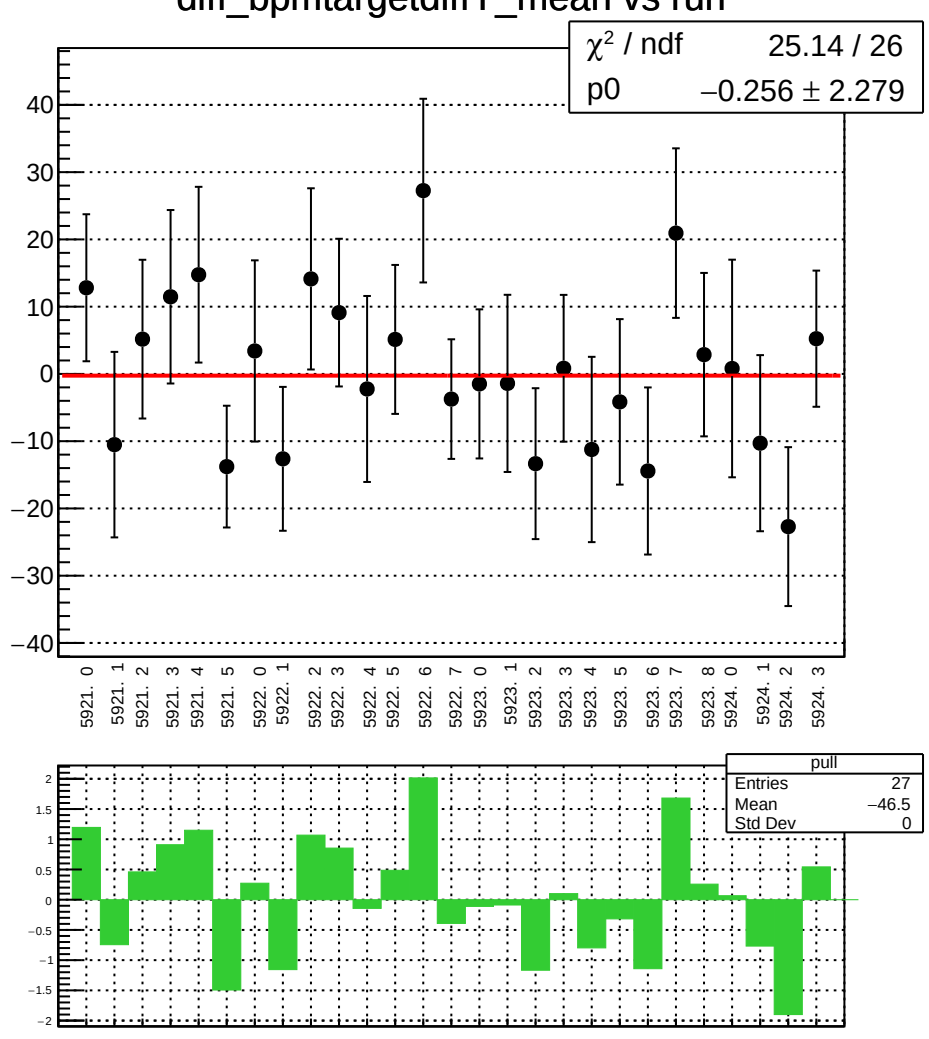

diff_bpmtargetsumX_rms vs run
χ² / ndf 8749 / 26
p0 1.98e+04 ± 27.77
26000
24000
22000
20000
18000
16000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

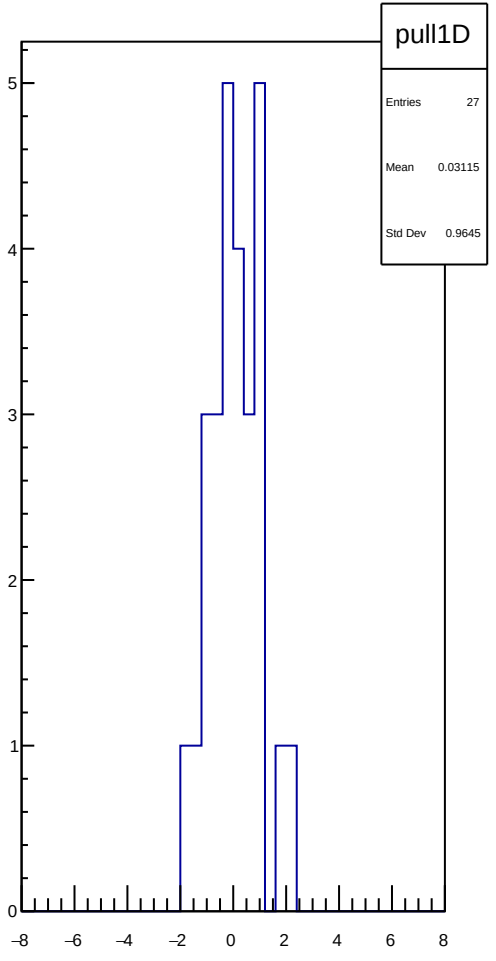

diff_bpmtargetdiffX_mean vs run
χ² / ndf 24.6 / 26
p0 −2.964 ± 9.204
150
100
50
0
−50
−100
−150
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 50.93
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.02646
Std Dev 0.9541
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

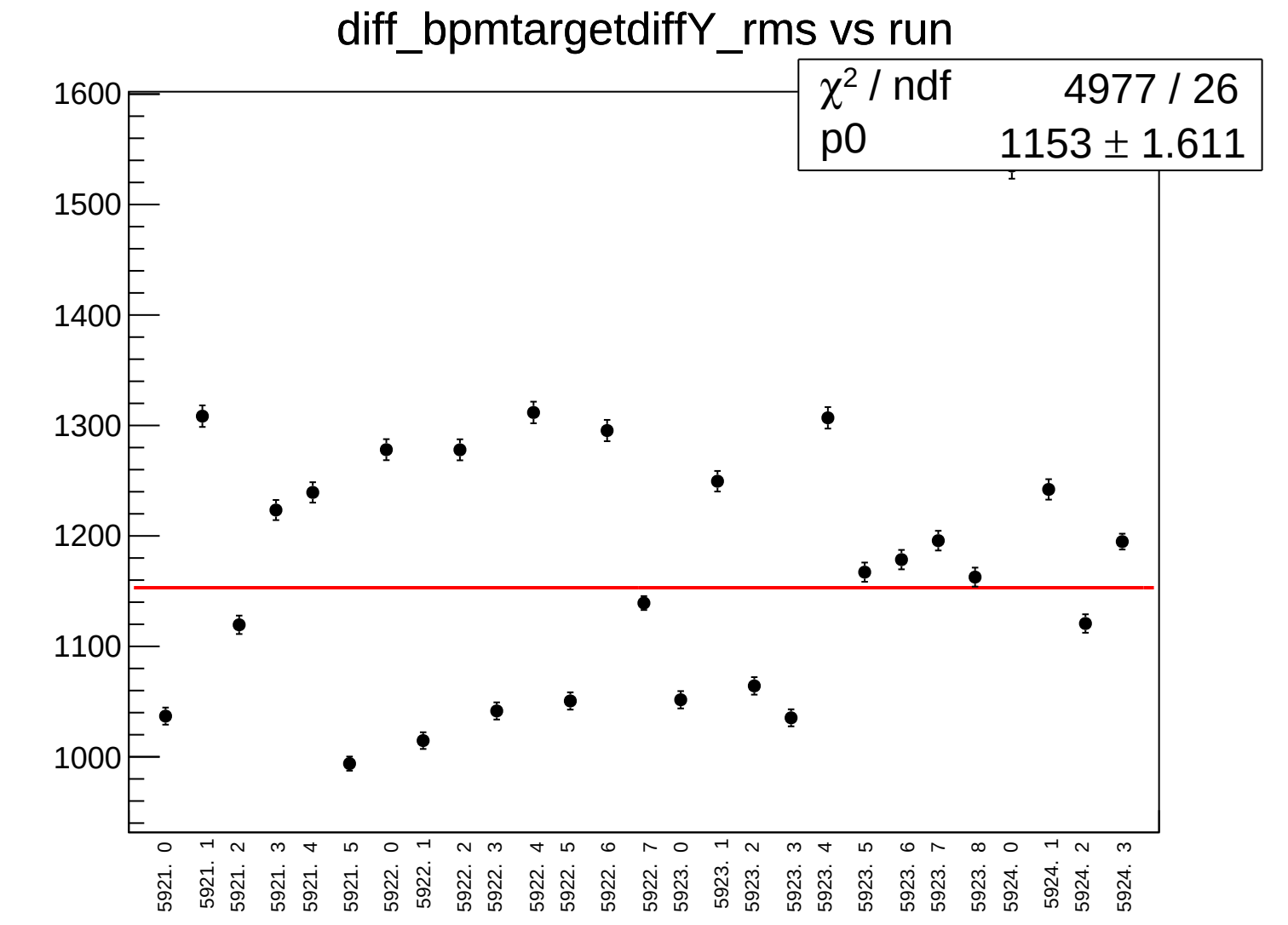

diff_bpmtargetdiffX_rms vs run
χ² / ndf 6432 / 26
p0 4651 ± 6.508
6000
5500
5000
4500
4000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

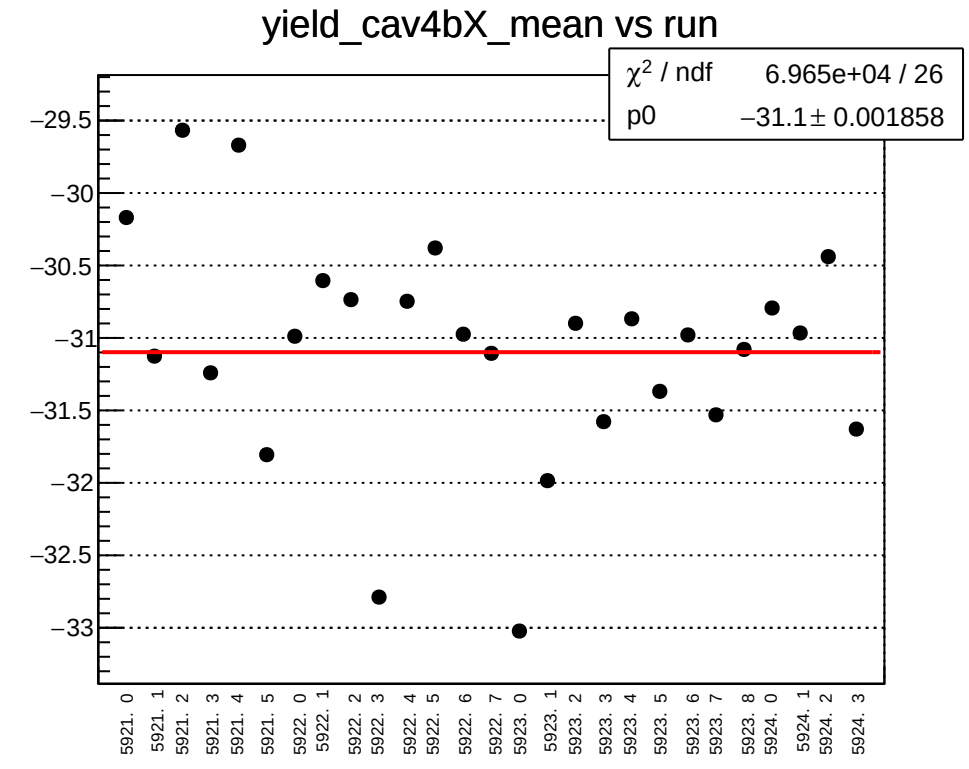

diff_bpmtargetsumY_mean vs run
χ² / ndf 30.77 / 26
p0 −41.17 ± 37.13
600
400
200
0
−200
−400
−600
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 32.24
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 27
Mean 0.04514
Std Dev 1.066
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

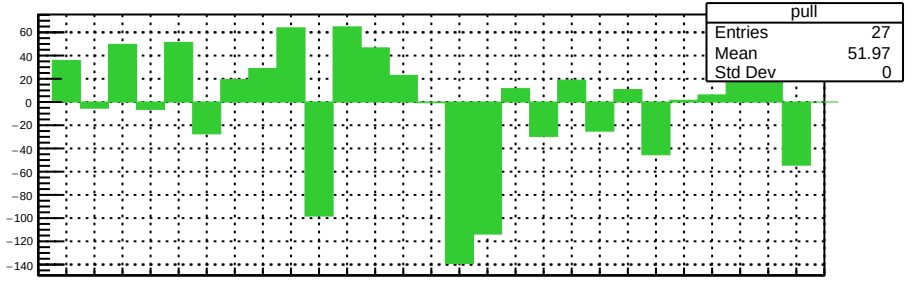

diff_bpmtargetsumY_rms vs run
χ² / ndf 4322 / 26
p0 1.88e+04 ± 26.26
23000
22000
21000
20000
19000
18000
17000
16000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

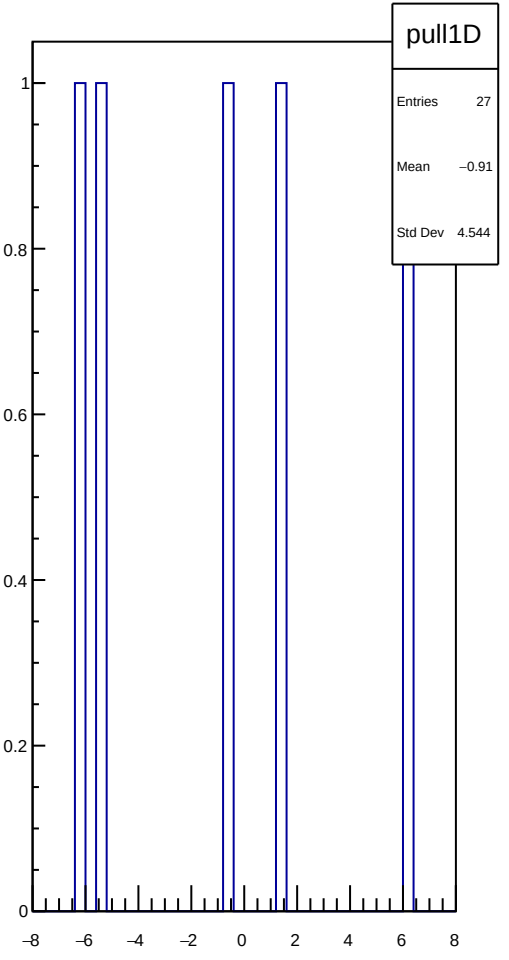

diff_bpmtargetdiffY_mean vs run
χ² / ndf 25.14 / 26
p0 −0.256 ± 2.279
40
30
20
10
0
−10
−20
−30
−40
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −46.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

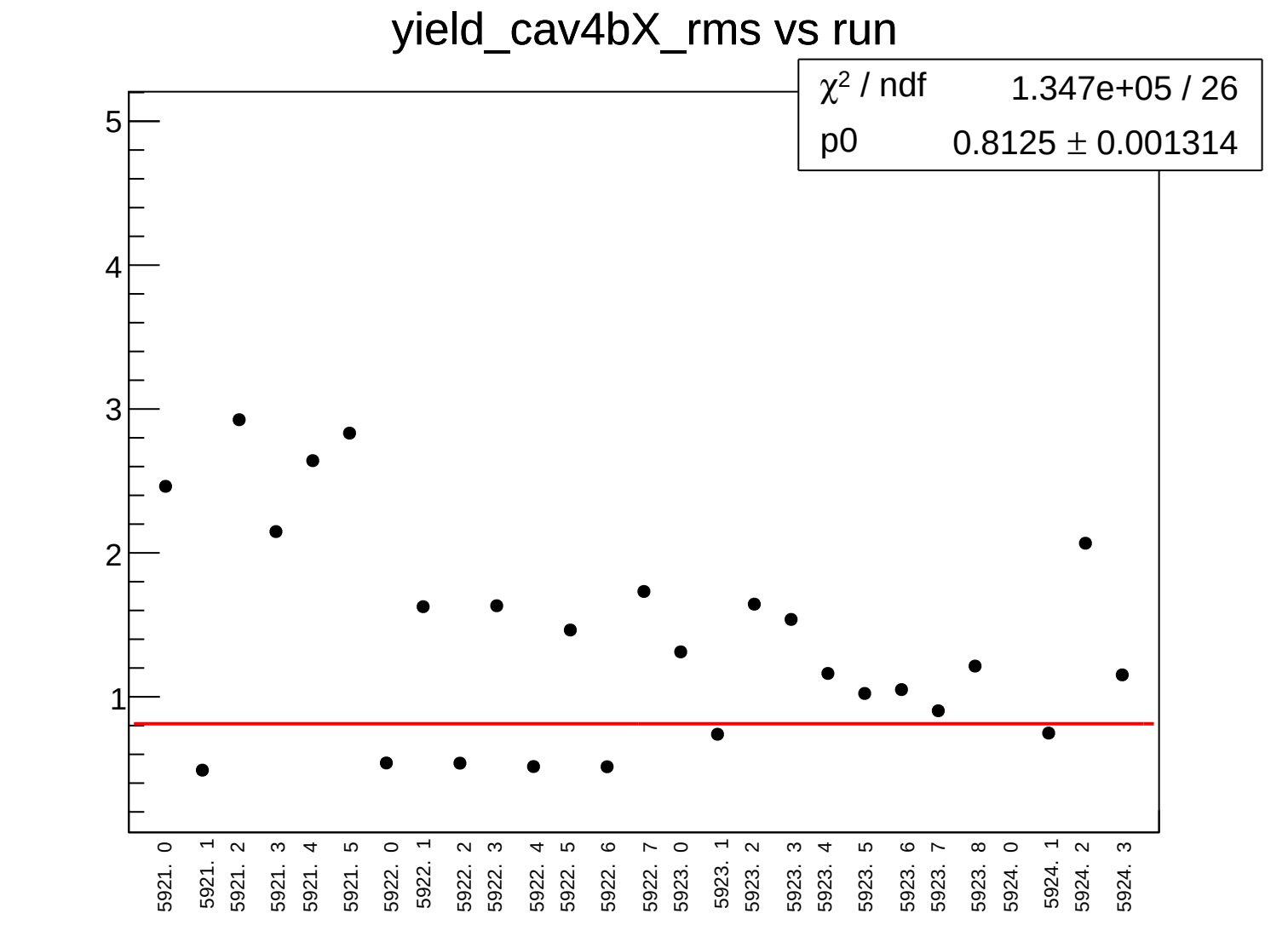

pull1D
Entries 27
Mean 0.03115
Std Dev 0.9645
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

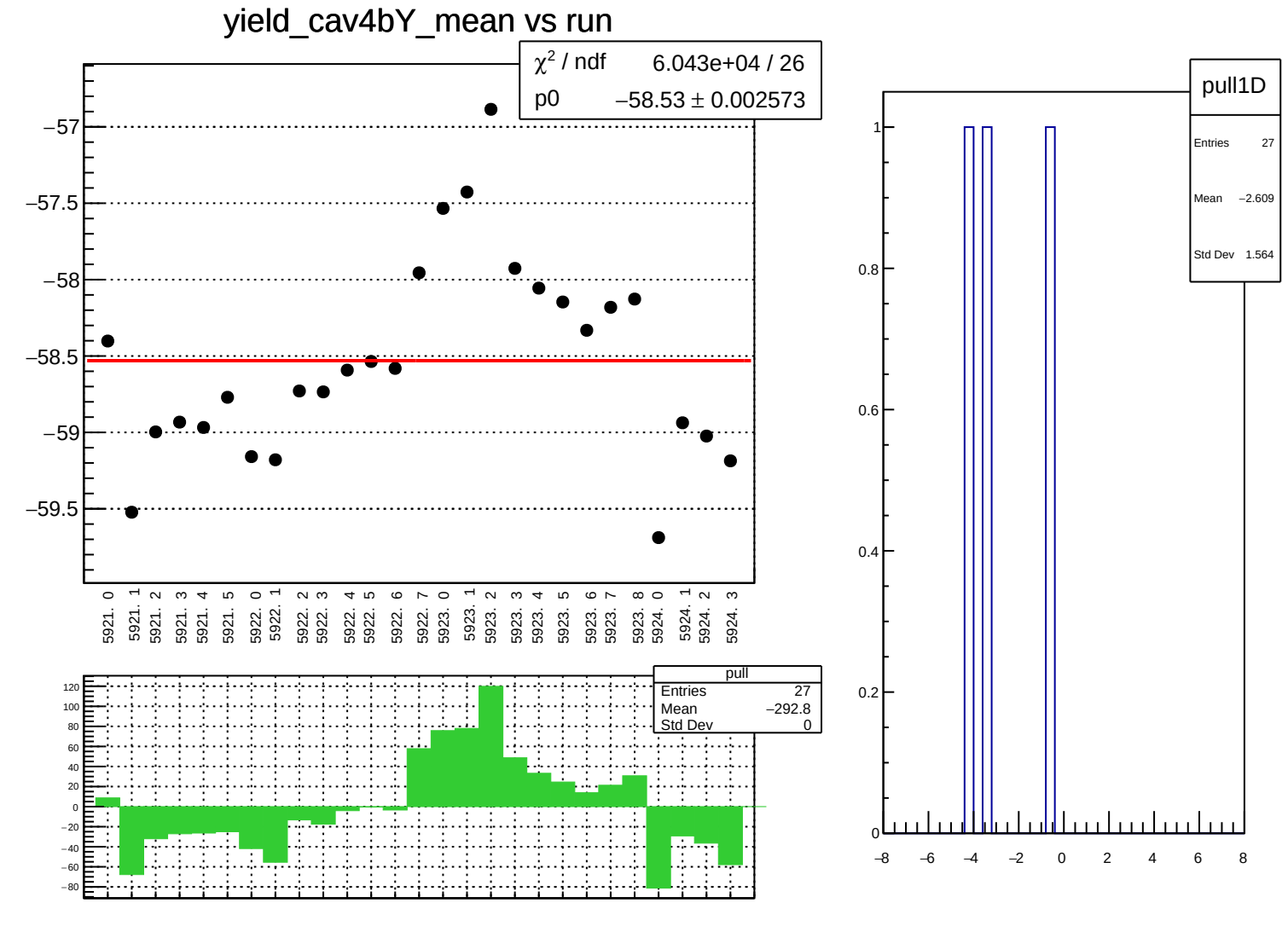

diff_bpmtargetdiffY_rms vs run
χ² / ndf 4977 / 26
p0 1153 ± 1.611
1600
1500
1400
1300
1200
1100
1000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

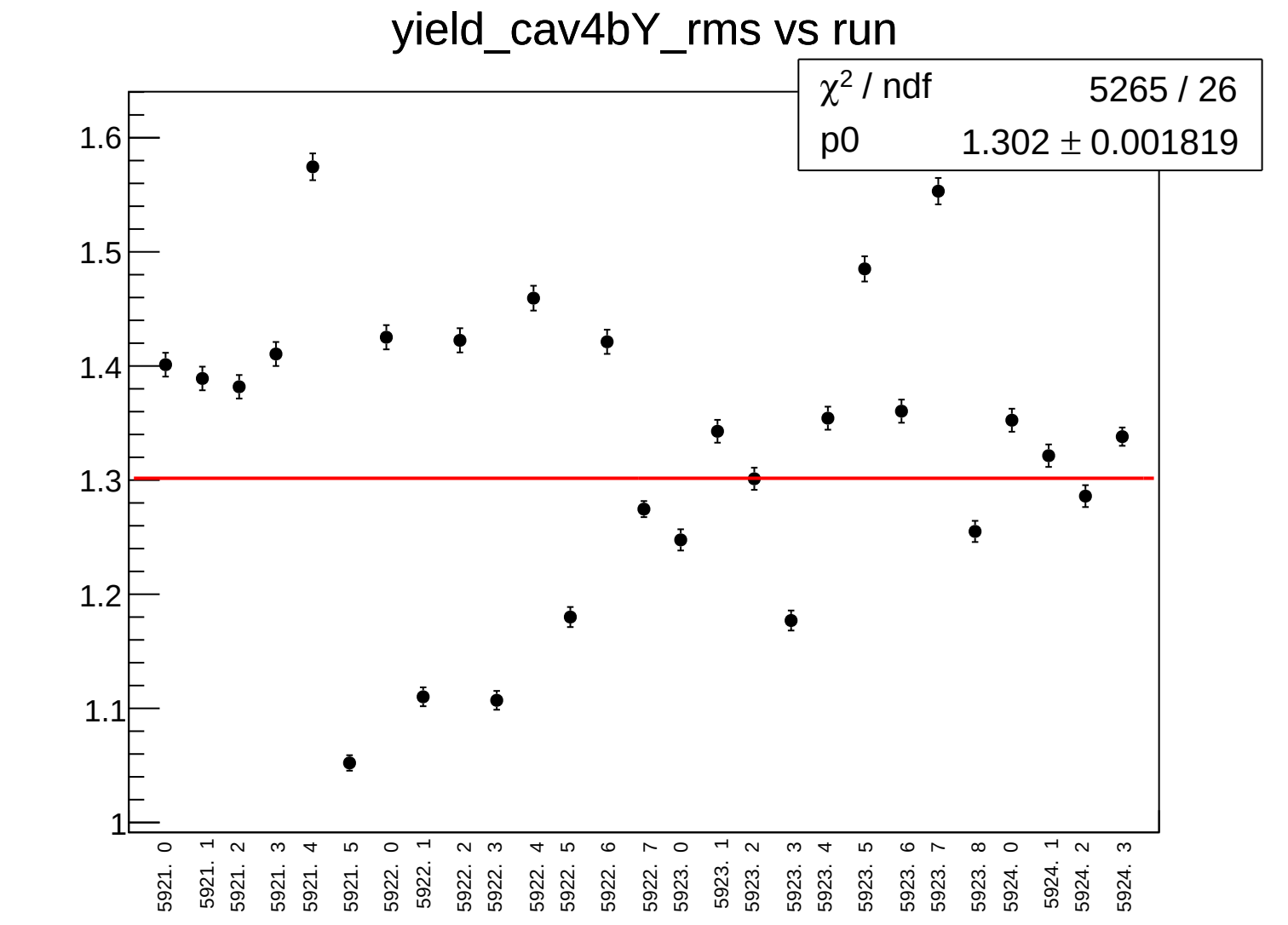

yield_cav4bX_mean vs run
χ² / ndf 6.965e+04 / 26
p0 −31.1 ± 0.001858
−29.5
−30
−30.5
−31
−31.5
−32
−32.5
−33
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

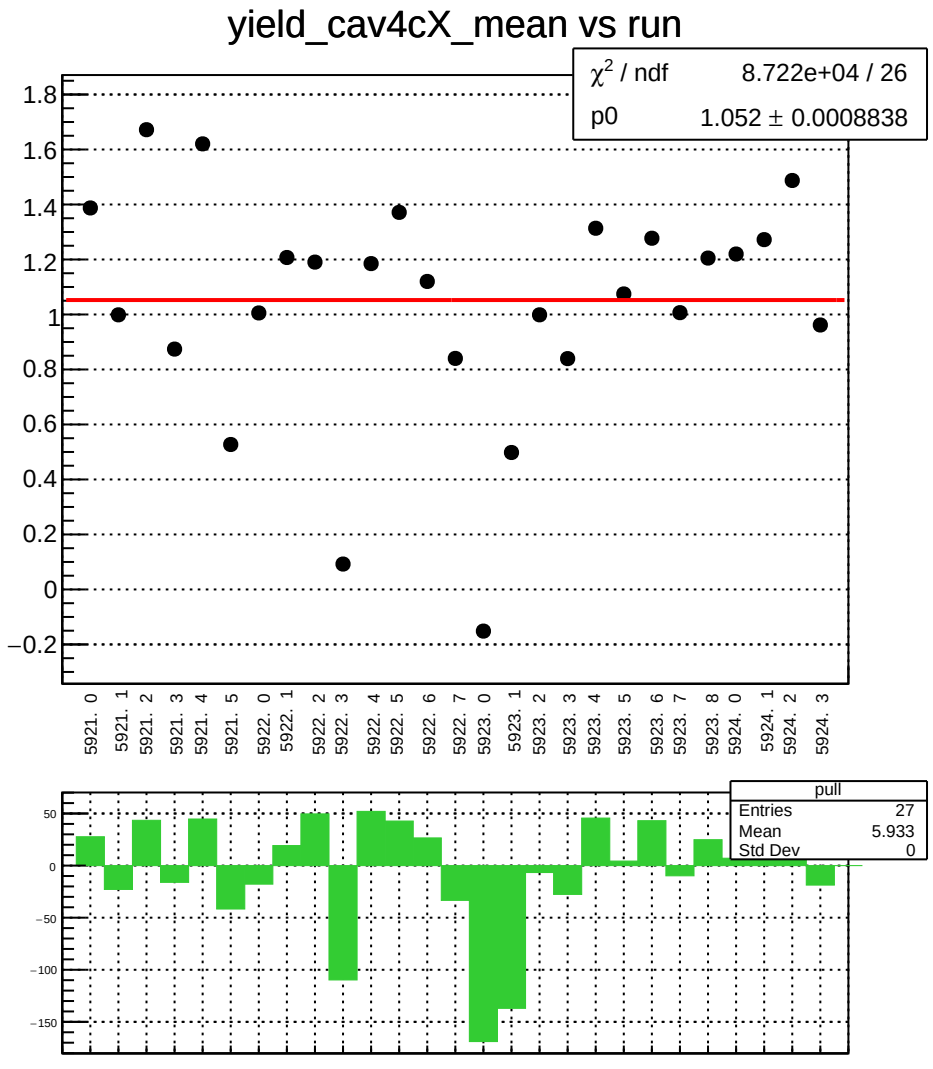

pull
Entries 27
Mean 51.97
Std Dev 0
60
40
20
0
−20
−40
−60
−80
−100
−120
−140

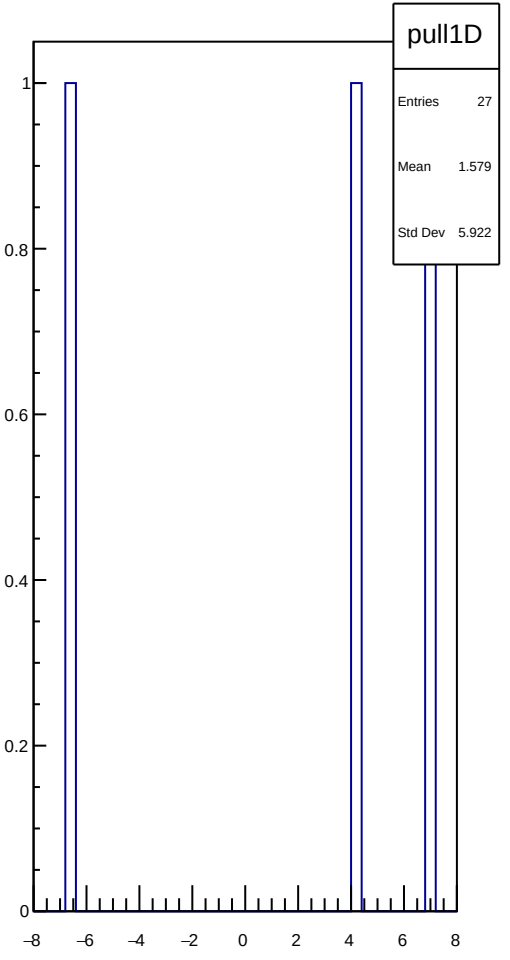

pull1D
Entries 27
Mean −0.91
Std Dev 4.544
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

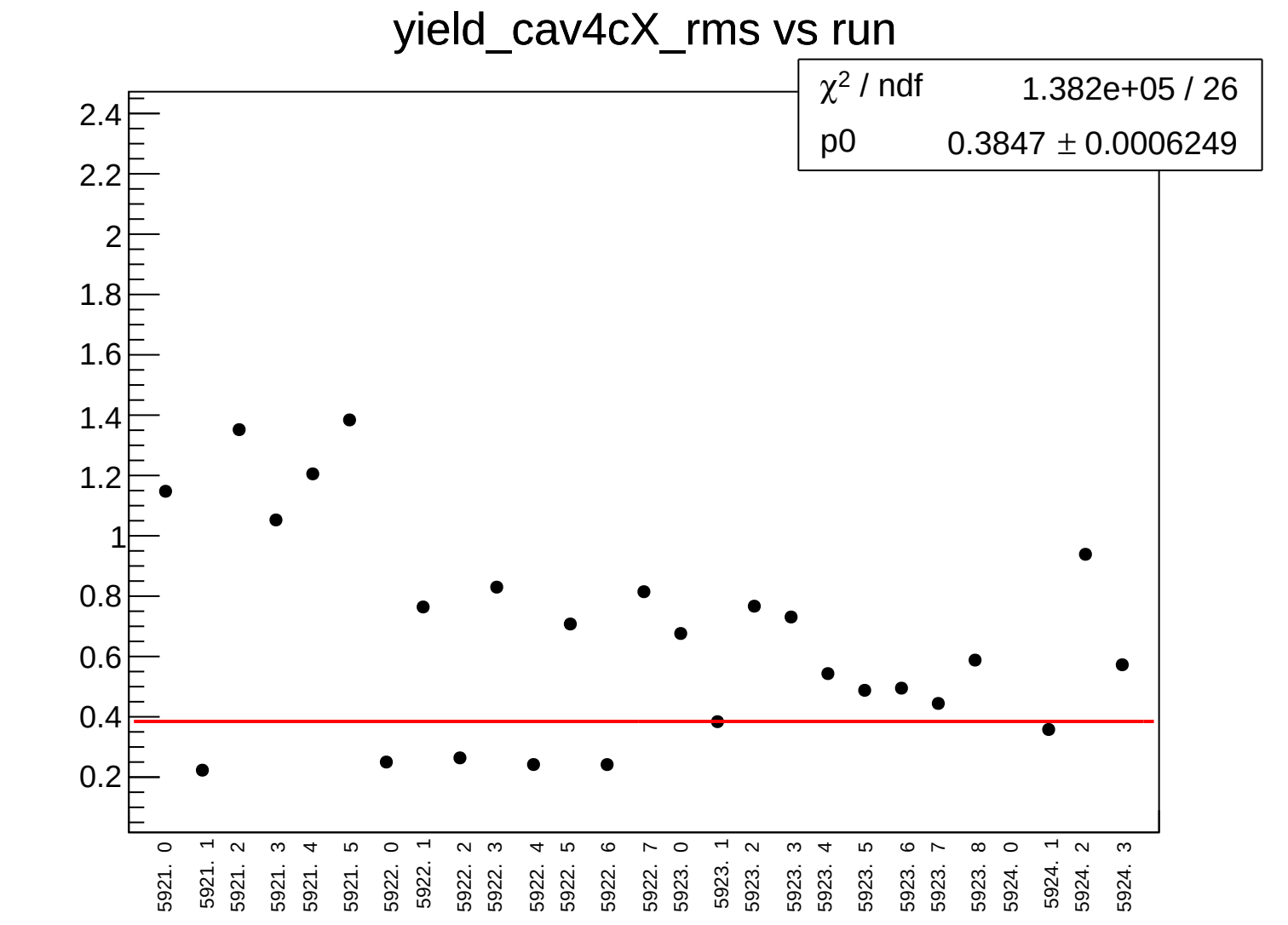

yield_cav4bX_rms vs run
χ² / ndf 1.347e+05 / 26
p0 0.8125 ± 0.001314
5
4
3
2
1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

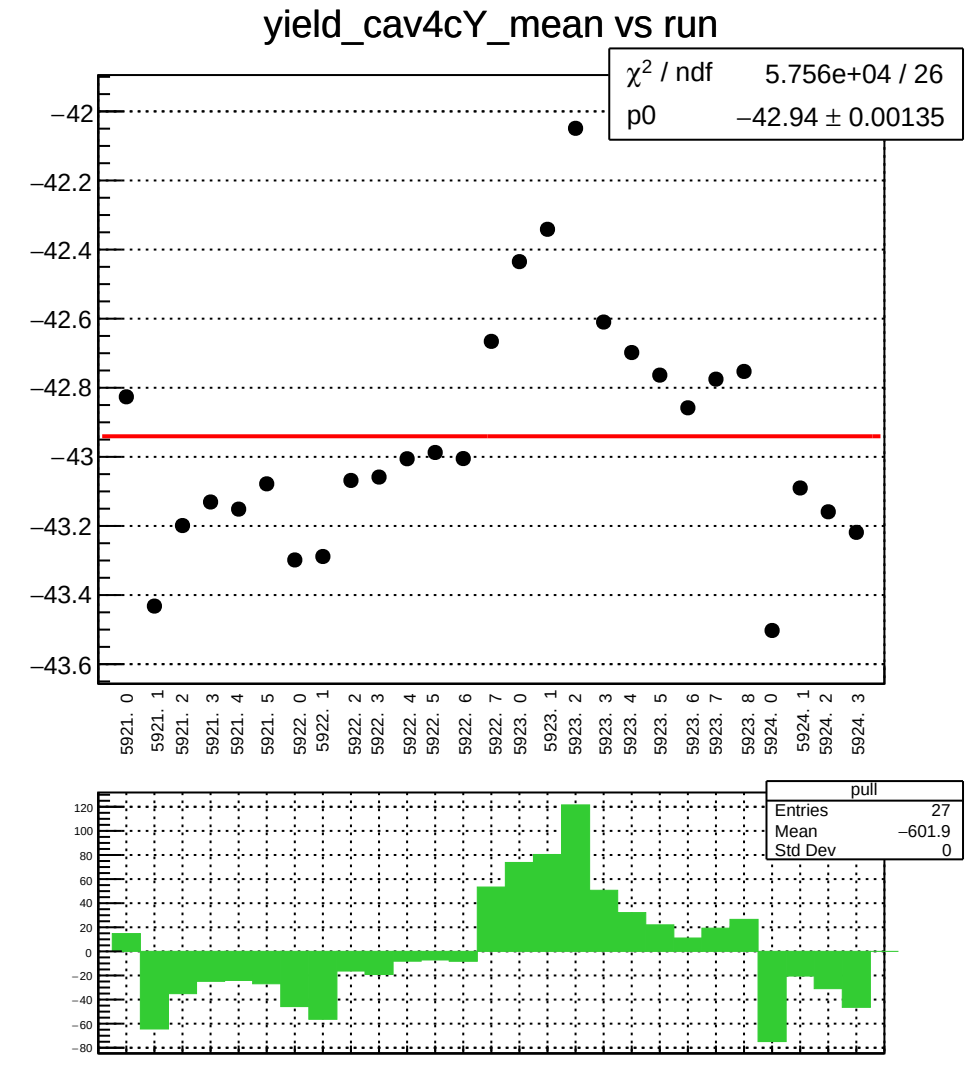

yield_cav4bY_mean vs run
χ² / ndf 6.043e+04 / 26
p0 −58.53 ± 0.002573
−57
−57.5
−58
−58.5
−59
−59.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −292.8
Std Dev 0
120
100
80
60
40
20
0
−20
−40
−60
−80
pull1D
Entries 27
Mean −2.609
Std Dev 1.564
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

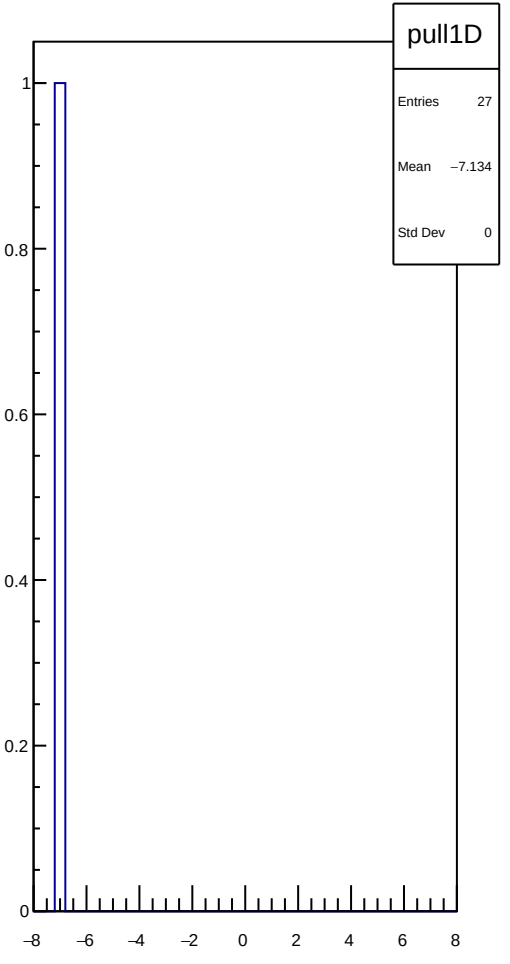

yield_cav4bY_rms vs run
χ² / ndf 5265 / 26
p0 1.302 ± 0.001819
1.6
1.5
1.4
1.3
1.2
1.1
1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

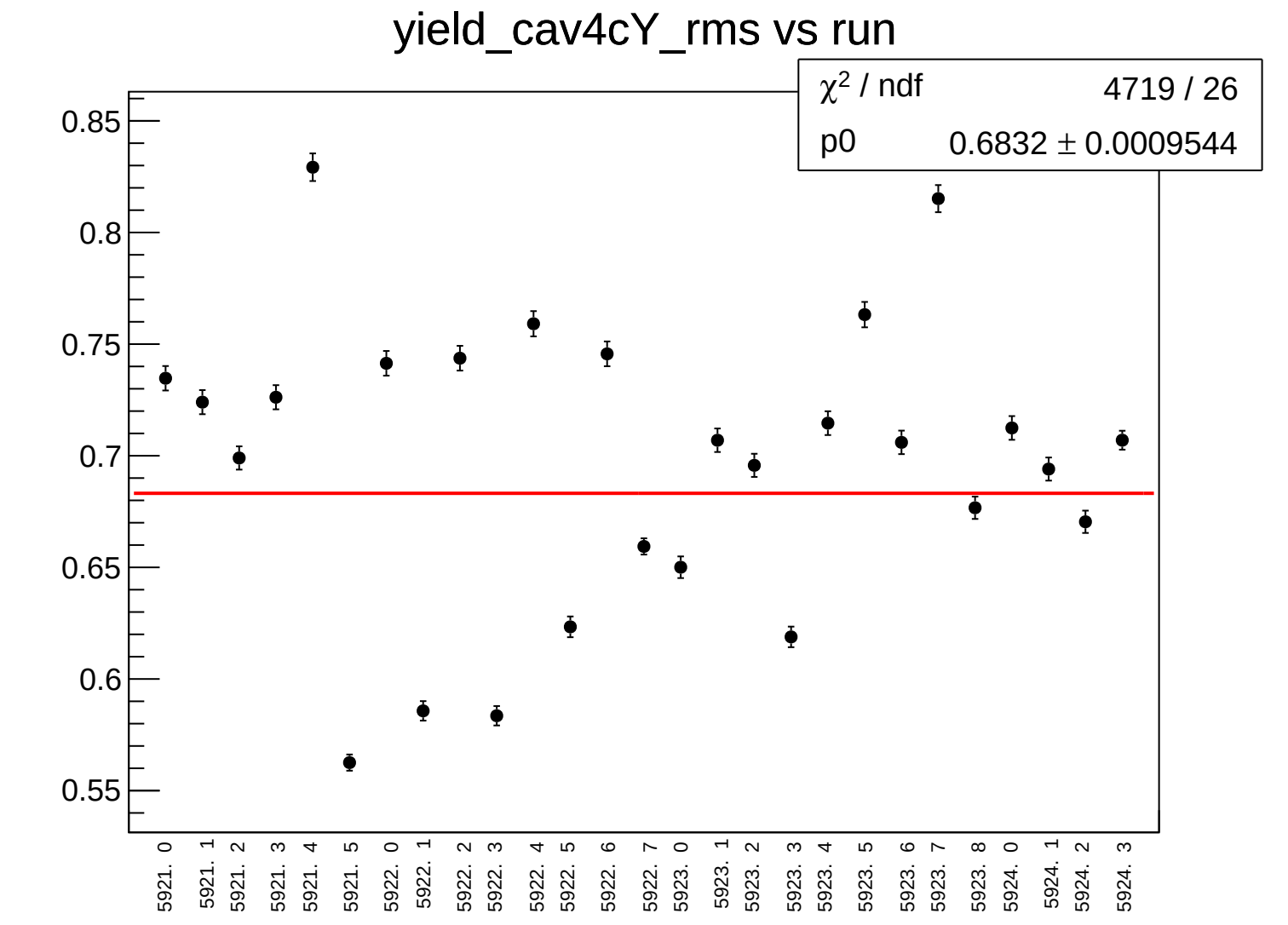

yield_cav4cX_mean vs run
χ² / ndf 8.722e+04 / 26
p0 1.052 ± 0.0008838
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 5.933
Std Dev 0
50
0
−50
−100
−150

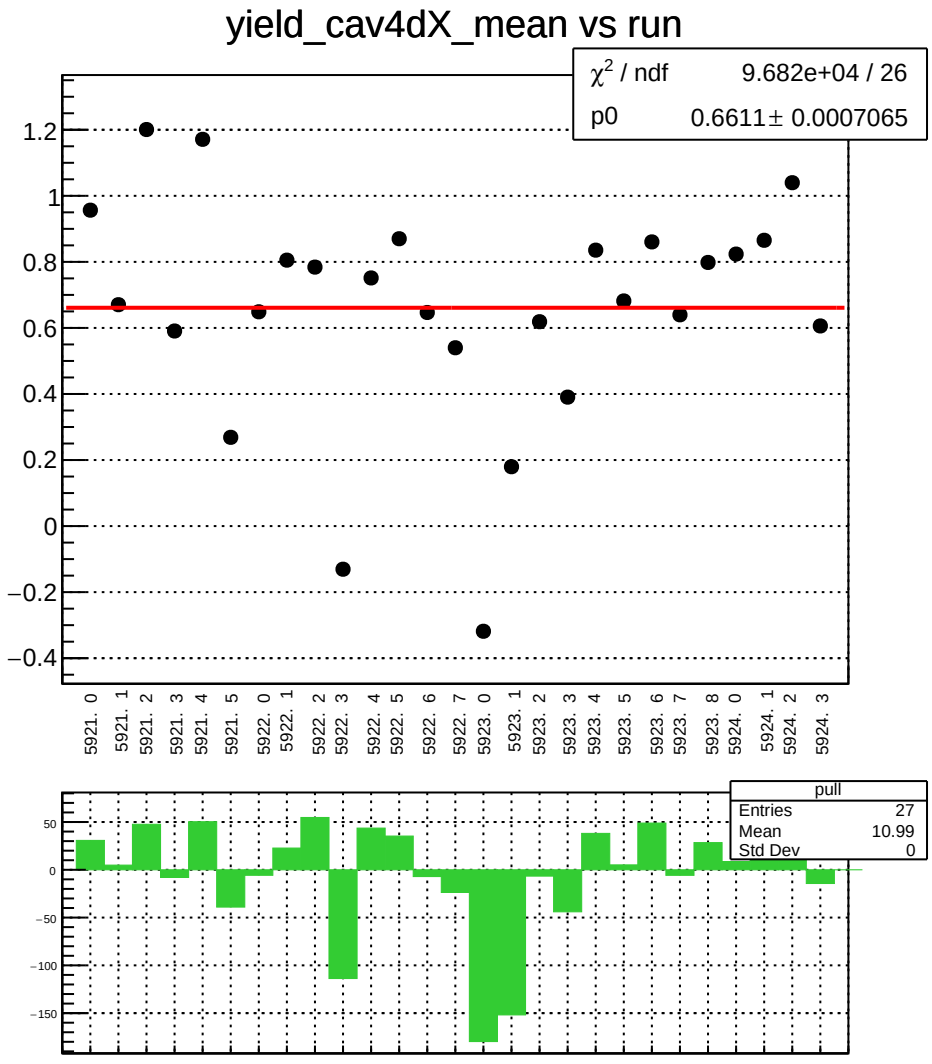

pull1D
Entries 27
Mean 1.579
Std Dev 5.922
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

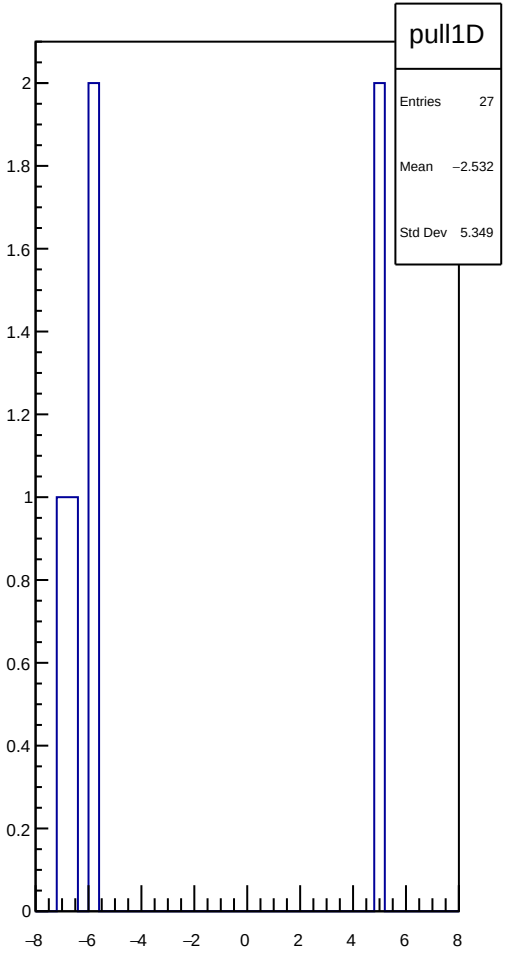

yield_cav4cX_rms vs run
χ² / ndf 1.382e+05 / 26
p0 0.3847 ± 0.0006249
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

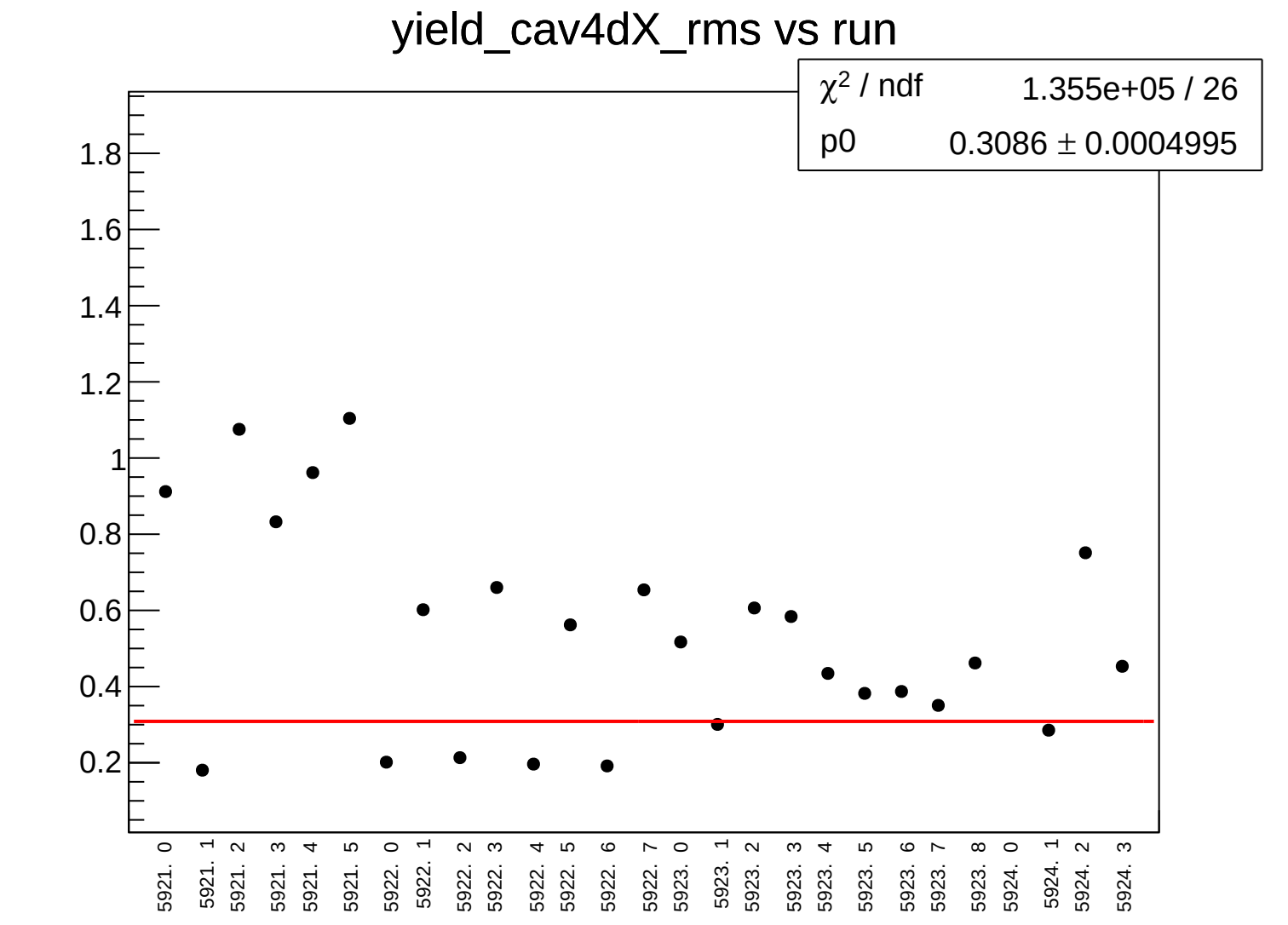

yield_cav4cY_mean vs run
χ² / ndf 5.756e+04 / 26
p0 −42.94 ± 0.00135
−42
−42.2
−42.4
−42.6
−42.8
−43
−43.2
−43.4
−43.6
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −601.9
Std Dev 0
120
100
80
60
40
20
0
−20
−40
−60
−80

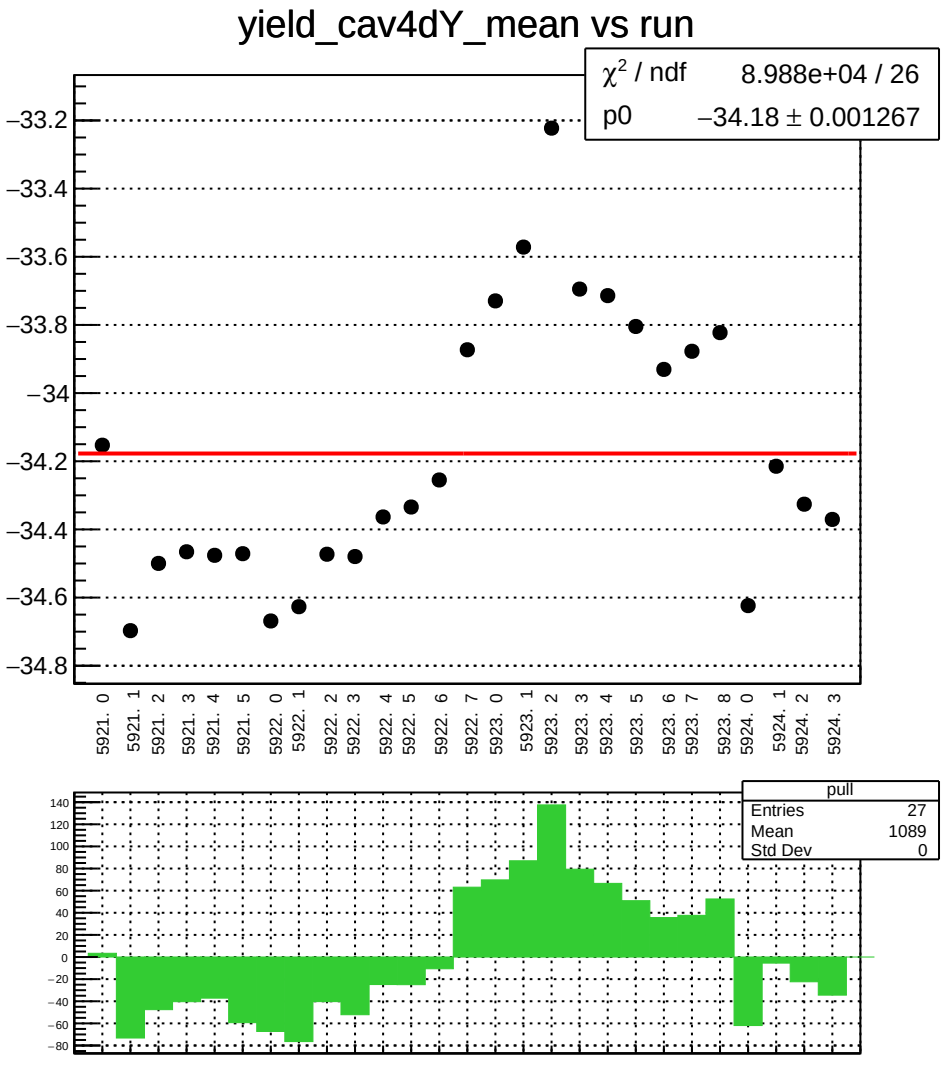

pull1D
Entries 27
Mean −7.134
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

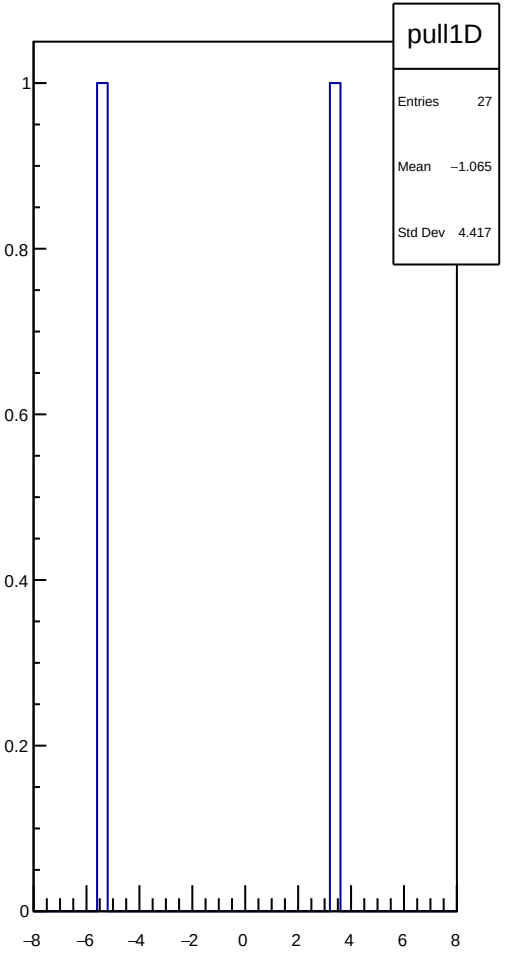

yield_cav4cY_rms vs run
χ² / ndf 4719 / 26
p0 0.6832 ± 0.0009544
0.85
0.8
0.75
0.7
0.65
0.6
0.55
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

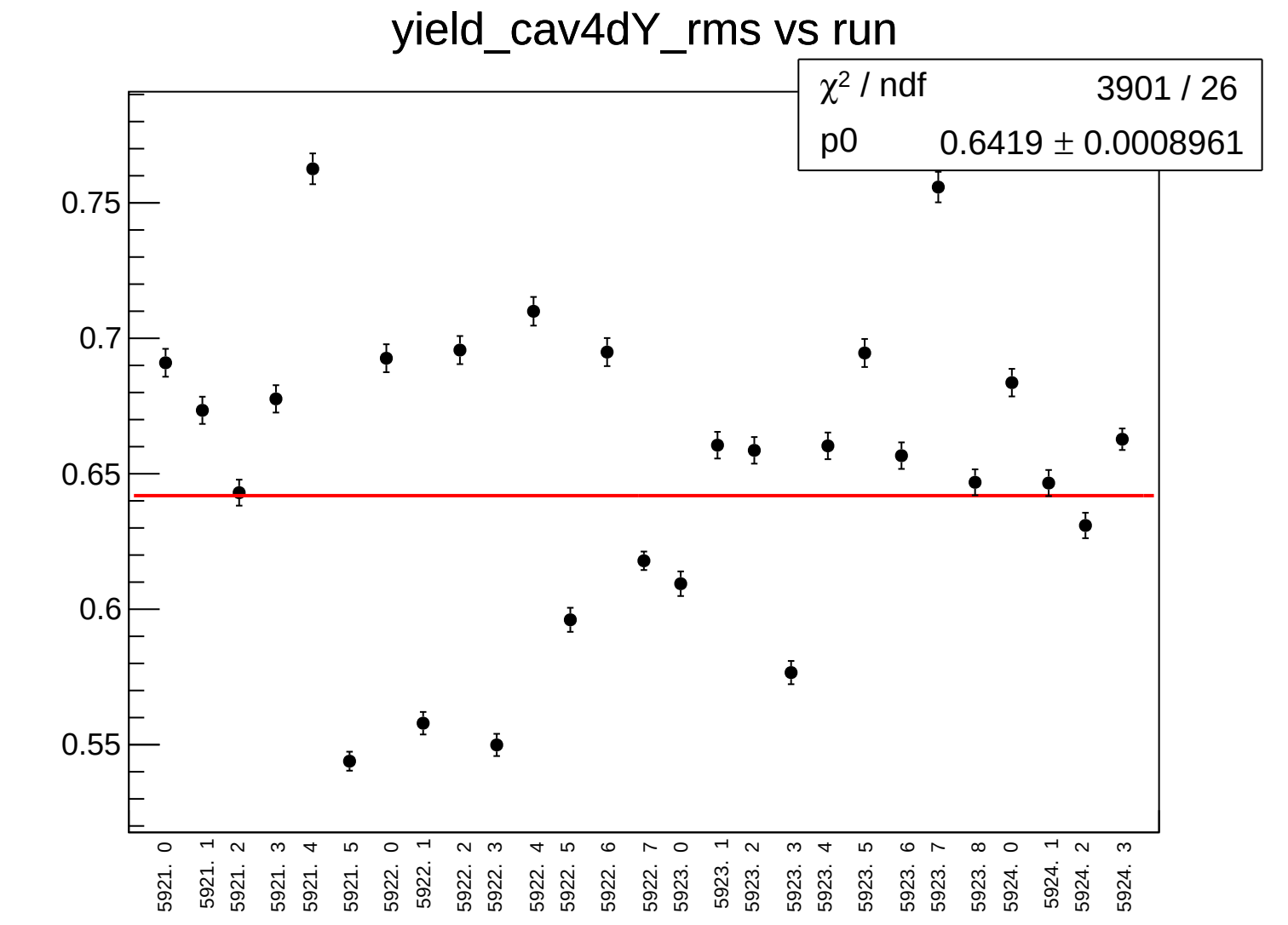

yield_cav4dX_mean vs run
χ² / ndf 9.682e+04 / 26
p0 0.6611 ± 0.0007065
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 10.99
Std Dev 0
50
0
−50
−100
−150

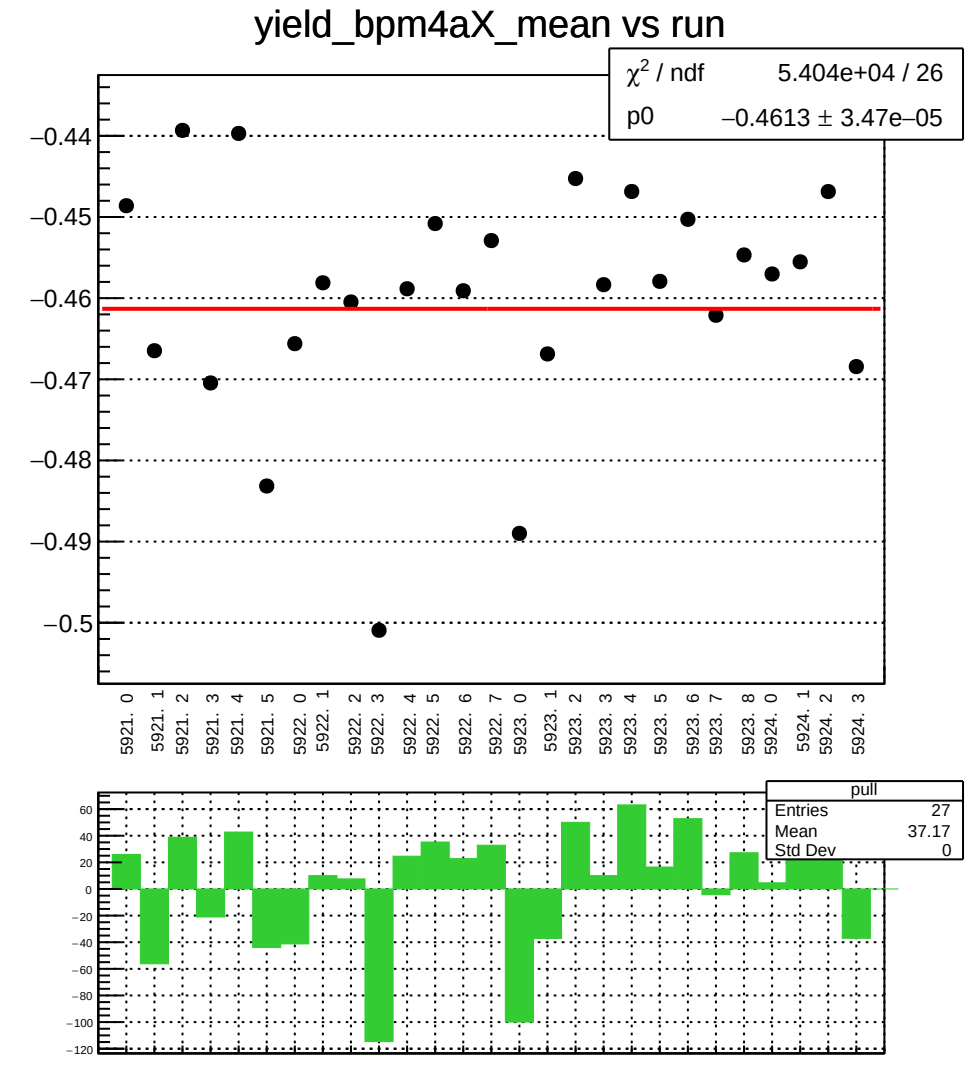

pull1D
Entries 27
Mean −2.532
Std Dev 5.349
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

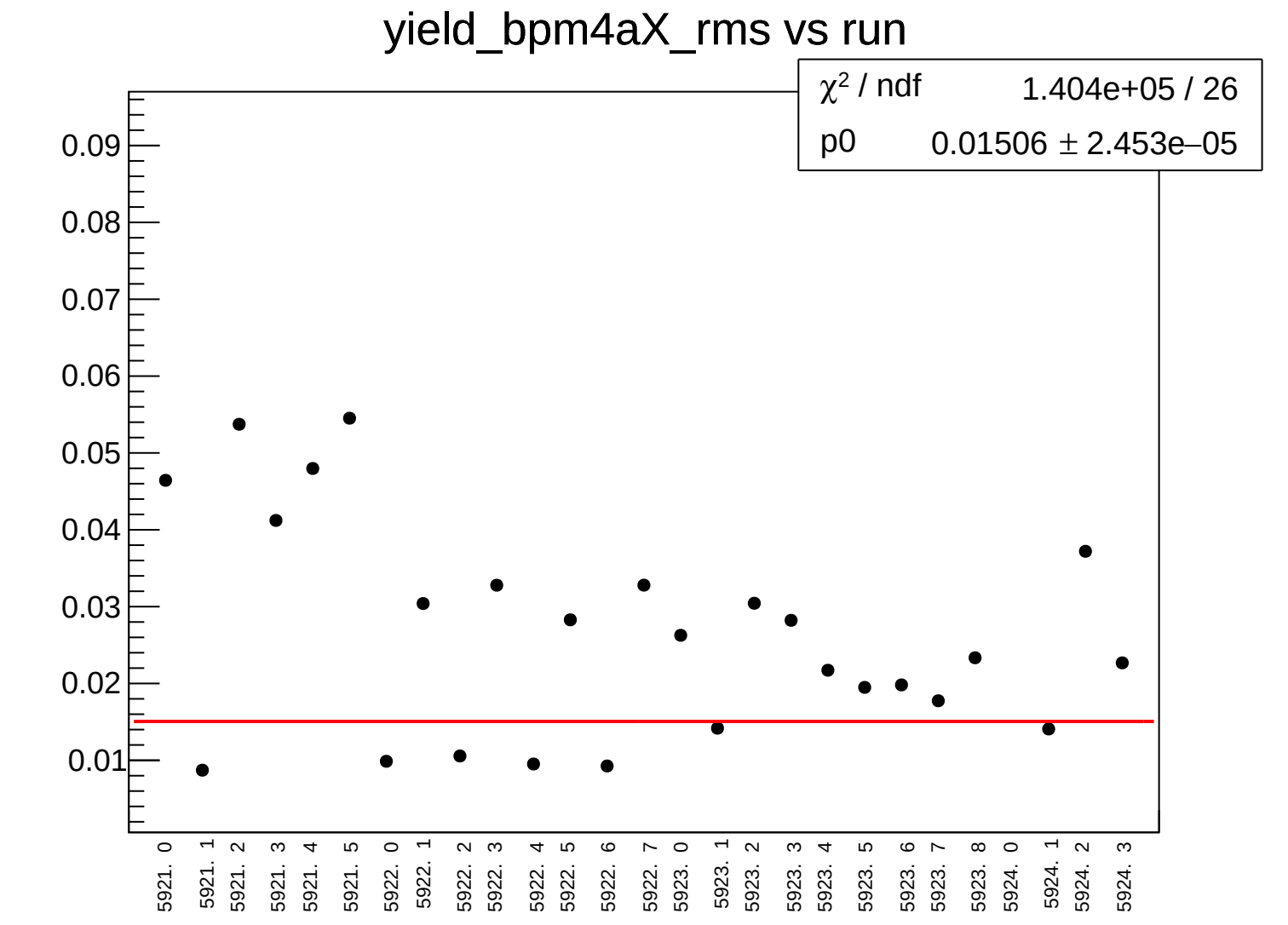

yield_cav4dX_rms vs run
χ² / ndf 1.355e+05 / 26
p0 0.3086 ± 0.0004995
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

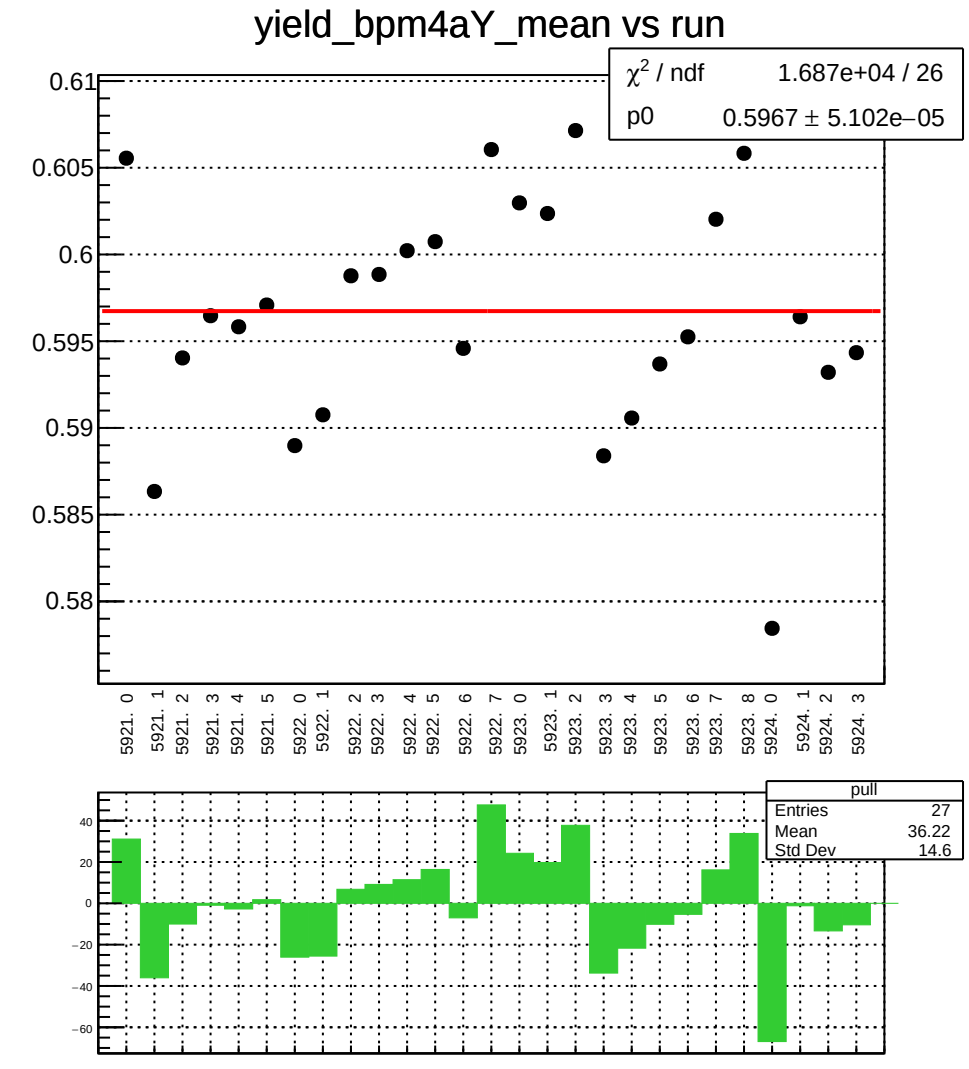

yield_cav4dY_mean vs run
χ² / ndf 8.988e+04 / 26
p0 −34.18 ± 0.001267
−33.2
−33.4
−33.6
−33.8
−34
−34.2
−34.4
−34.6
−34.8
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 1089
Std Dev 0
140
120
100
80
60
40
20
0
−20
−40
−60
−80

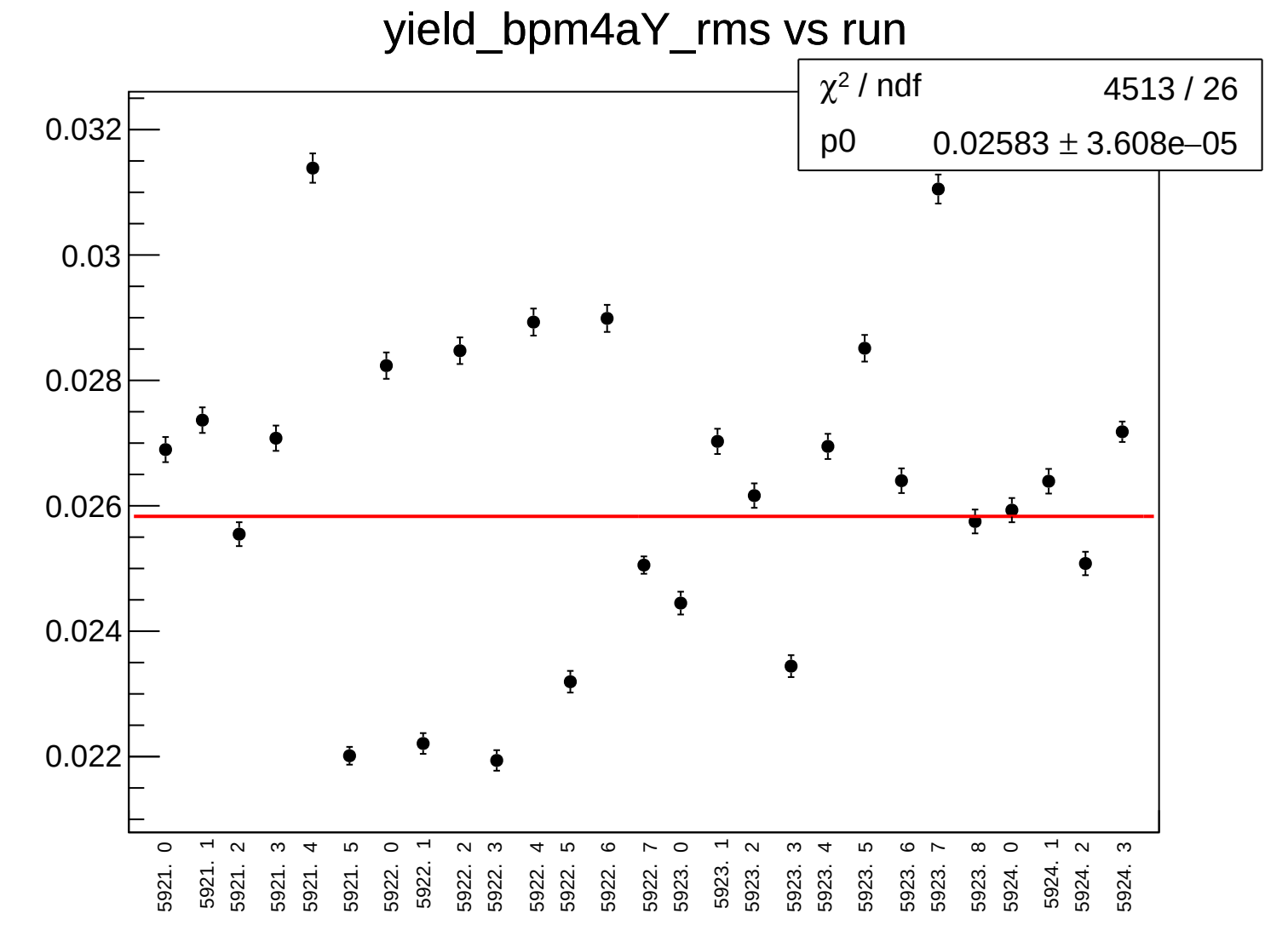

pull1D
Entries 27
Mean −1.065
Std Dev 4.417
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

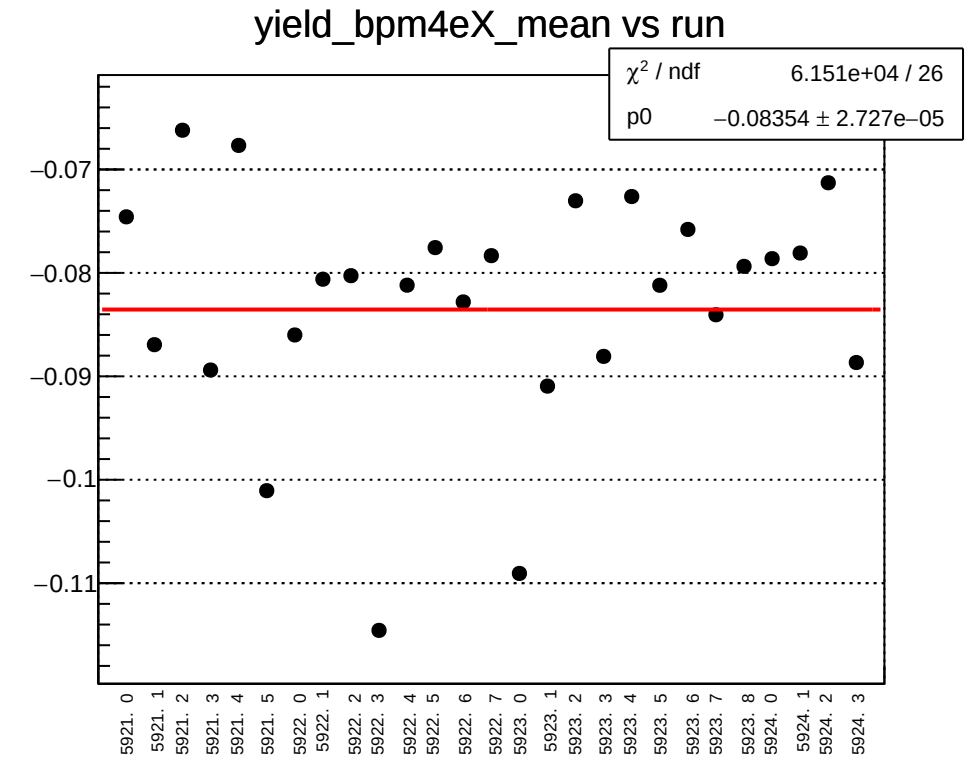

yield_cav4dY_rms vs run
χ² / ndf 3901 / 26
p0 0.6419 ± 0.0008961
0.75
0.7
0.65
0.6
0.55
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

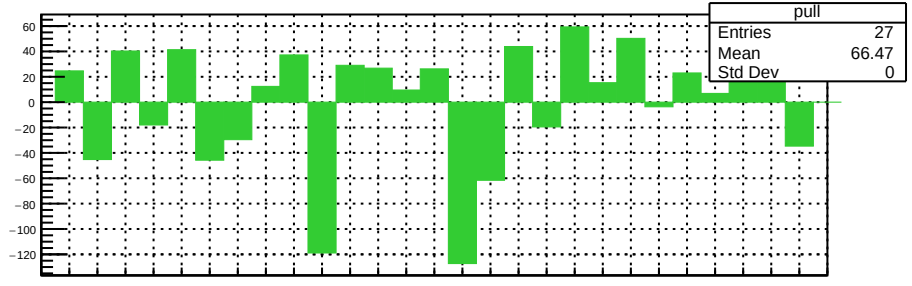

yield_bpm4aX_mean vs run
χ² / ndf 5.404e+04 / 26
p0 −0.4613 ± 3.47e−05
−0.44
−0.45
−0.46
−0.47
−0.48
−0.49
−0.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 37.17
Std Dev 0
60
40
20
0
−20
−40
−60
−80
−100
−120
pull1D
Entries 27
Mean 2.63
Std Dev 5.023
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

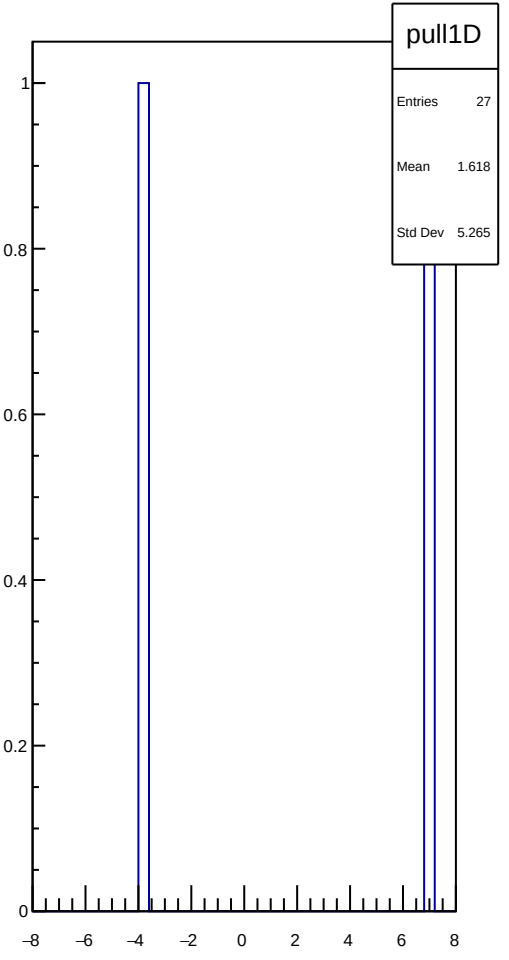

yield_bpm4aX_rms vs run
χ² / ndf 1.404e+05 / 26
p0 0.01506 ± 2.453e−05
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

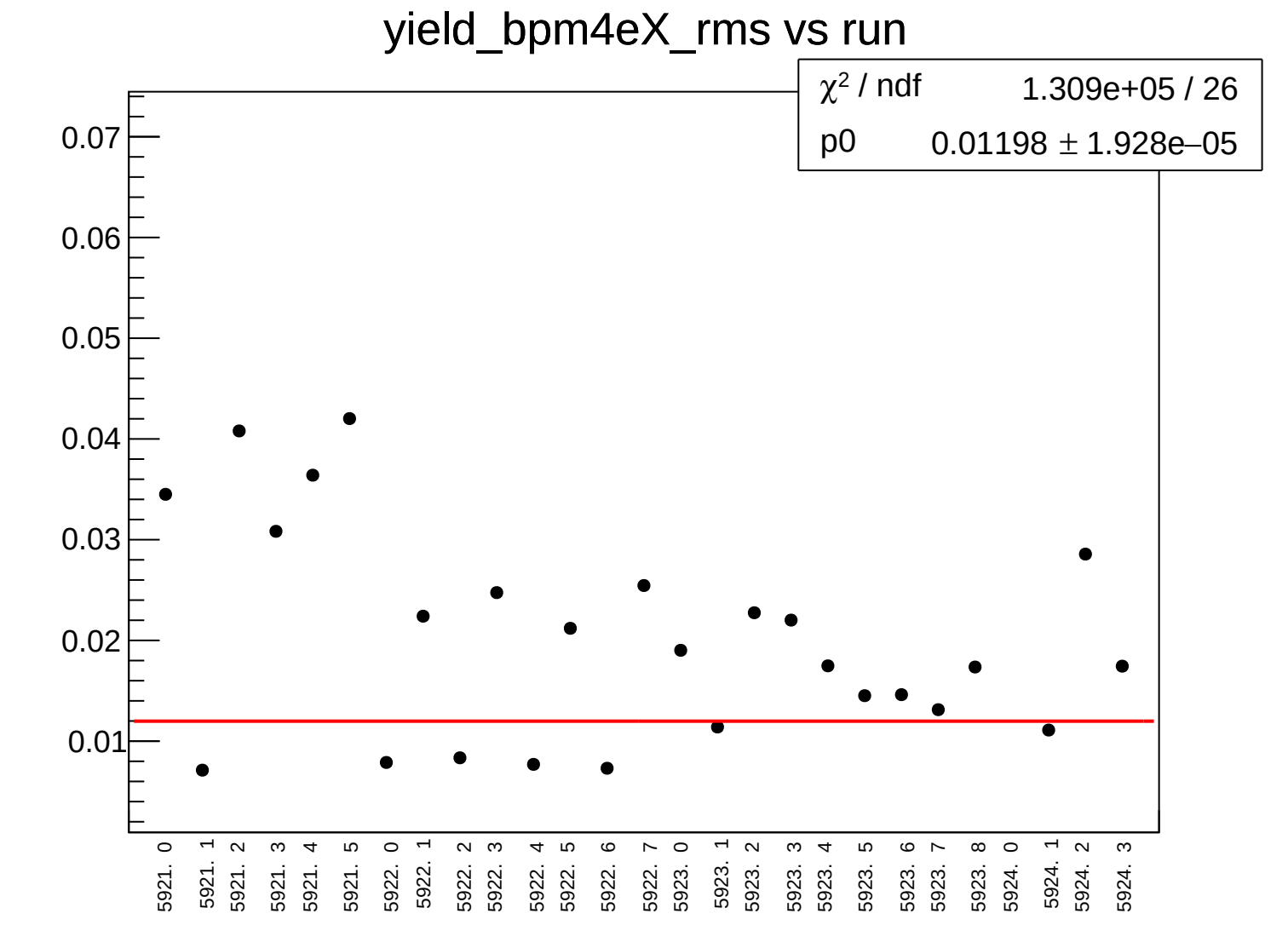

yield_bpm4aY_mean vs run
χ² / ndf 1.687e+04 / 26
p0 0.5967 ± 5.102e−05
0.61
0.605
0.6
0.595
0.59
0.585
0.58
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 36.22
Std Dev 14.6
40
20
0
−20
−40
−60
pull1D
Entries 27
Mean −1.236
Std Dev 4.241
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

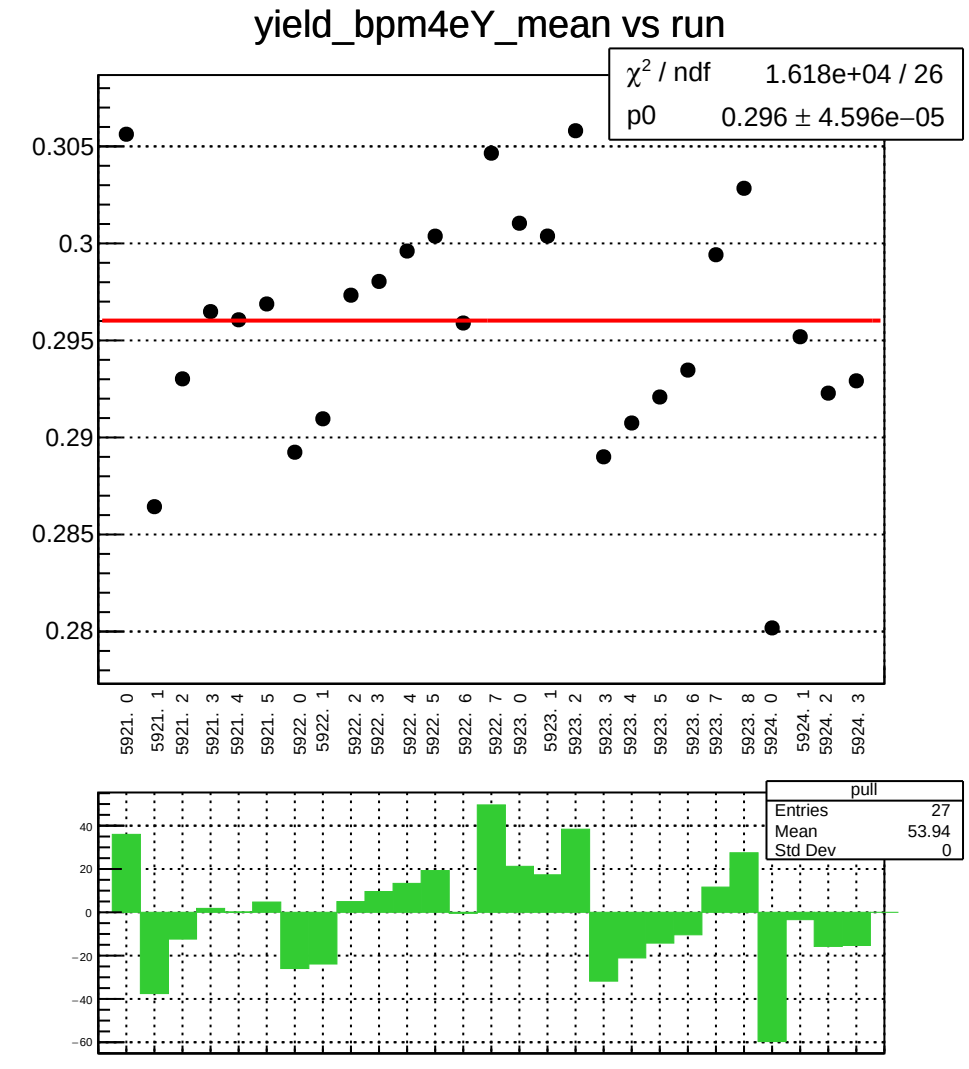

yield_bpm4aY_rms vs run
χ² / ndf 4513 / 26
p0 0.02583 ± 3.608e–05
0.032
0.03
0.028
0.026
0.024
0.022
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

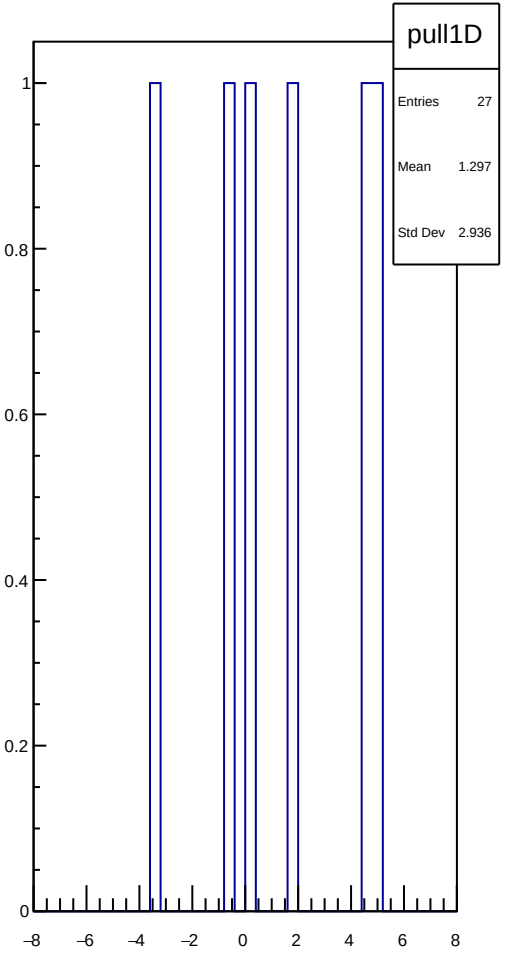

yield_bpm4eX_mean vs run
χ² / ndf 6.151e+04 / 26
p0 −0.08354 ± 2.727e−05
−0.07
−0.08
−0.09
−0.1
−0.11
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

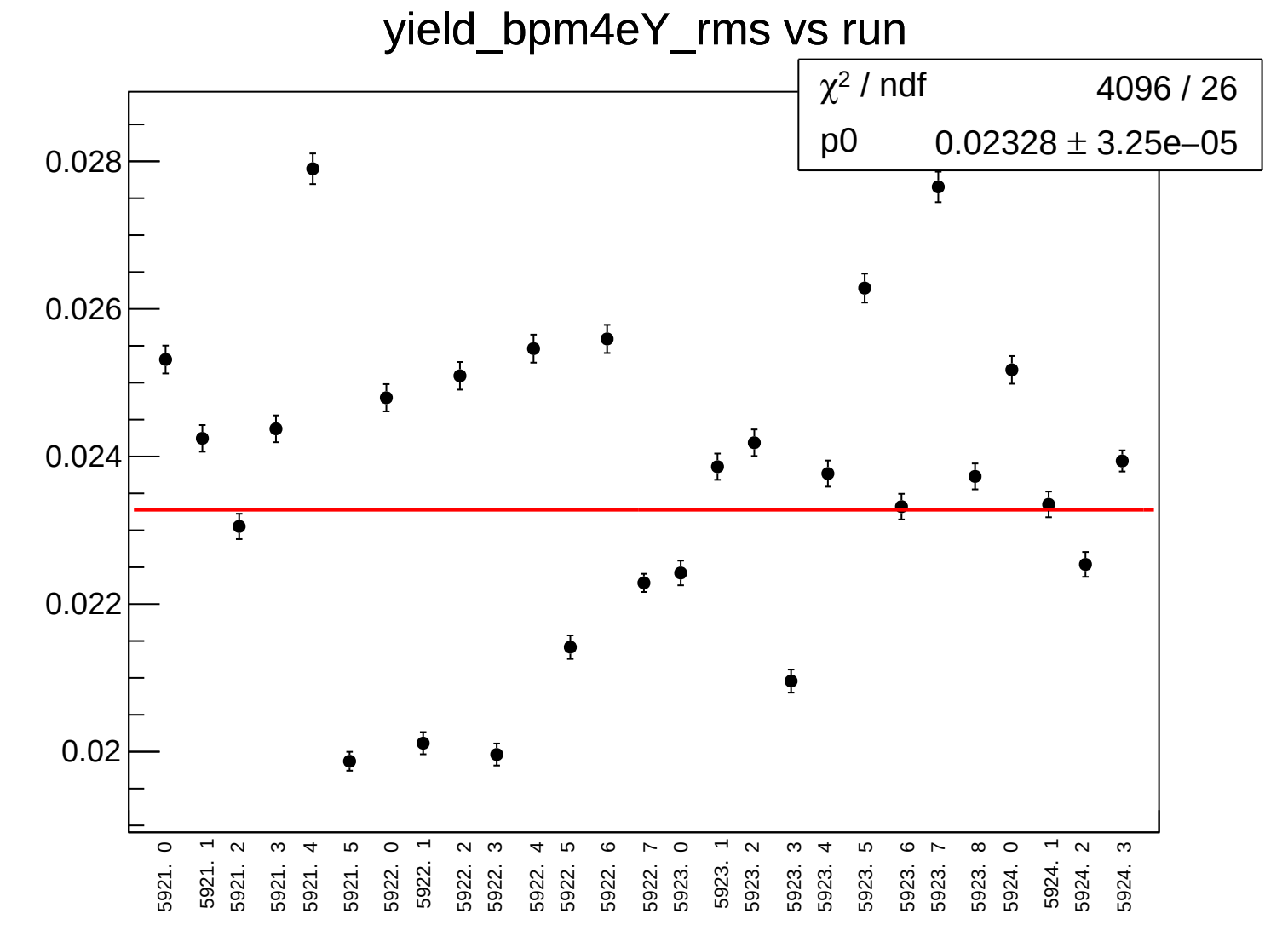

pull
Entries 27
Mean 66.47
Std Dev 0
60
40
20
0
−20
−40
−60
−80
−100
−120

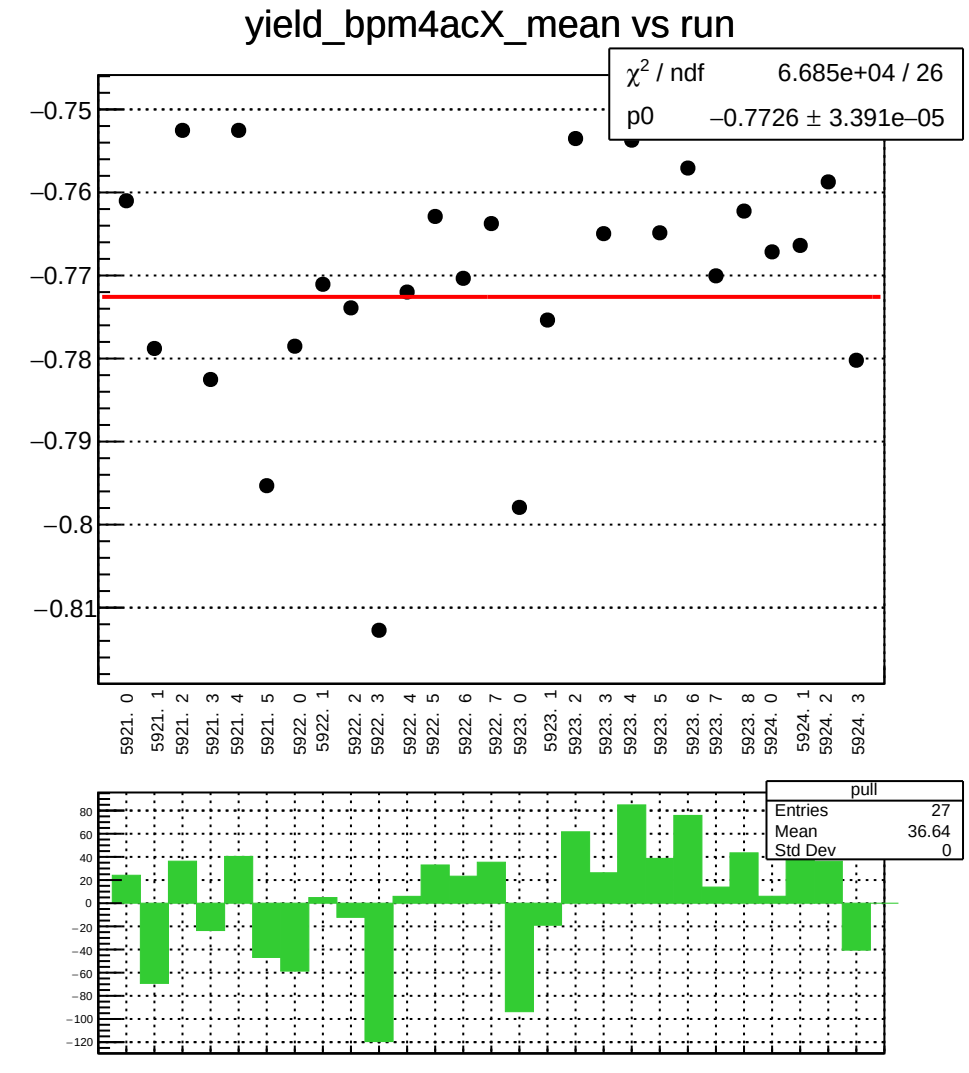

pull1D
Entries 27
Mean 1.618
Std Dev 5.265
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

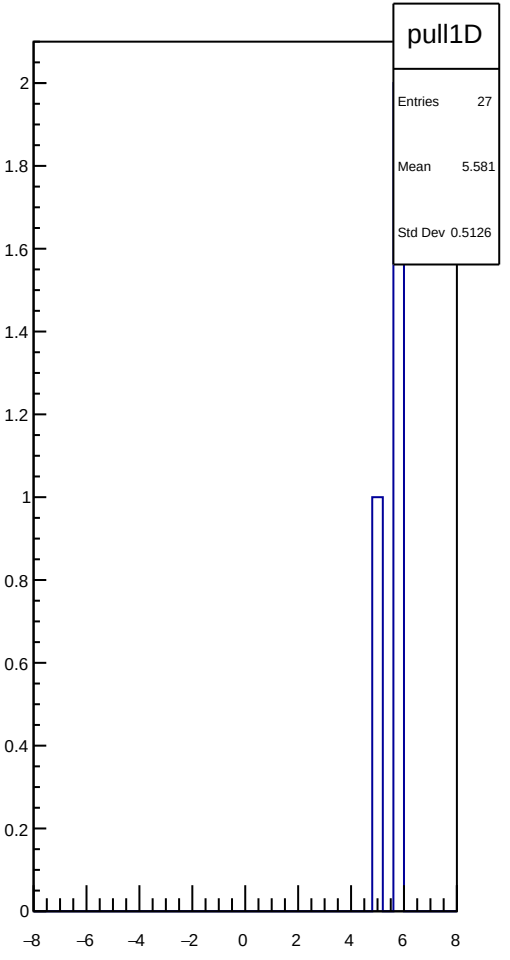

yield_bpm4eX_rms vs run
χ² / ndf 1.309e+05 / 26
p0 0.01198 ± 1.928e–05
0.07
0.06
0.05
0.04
0.03
0.02
0.01
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

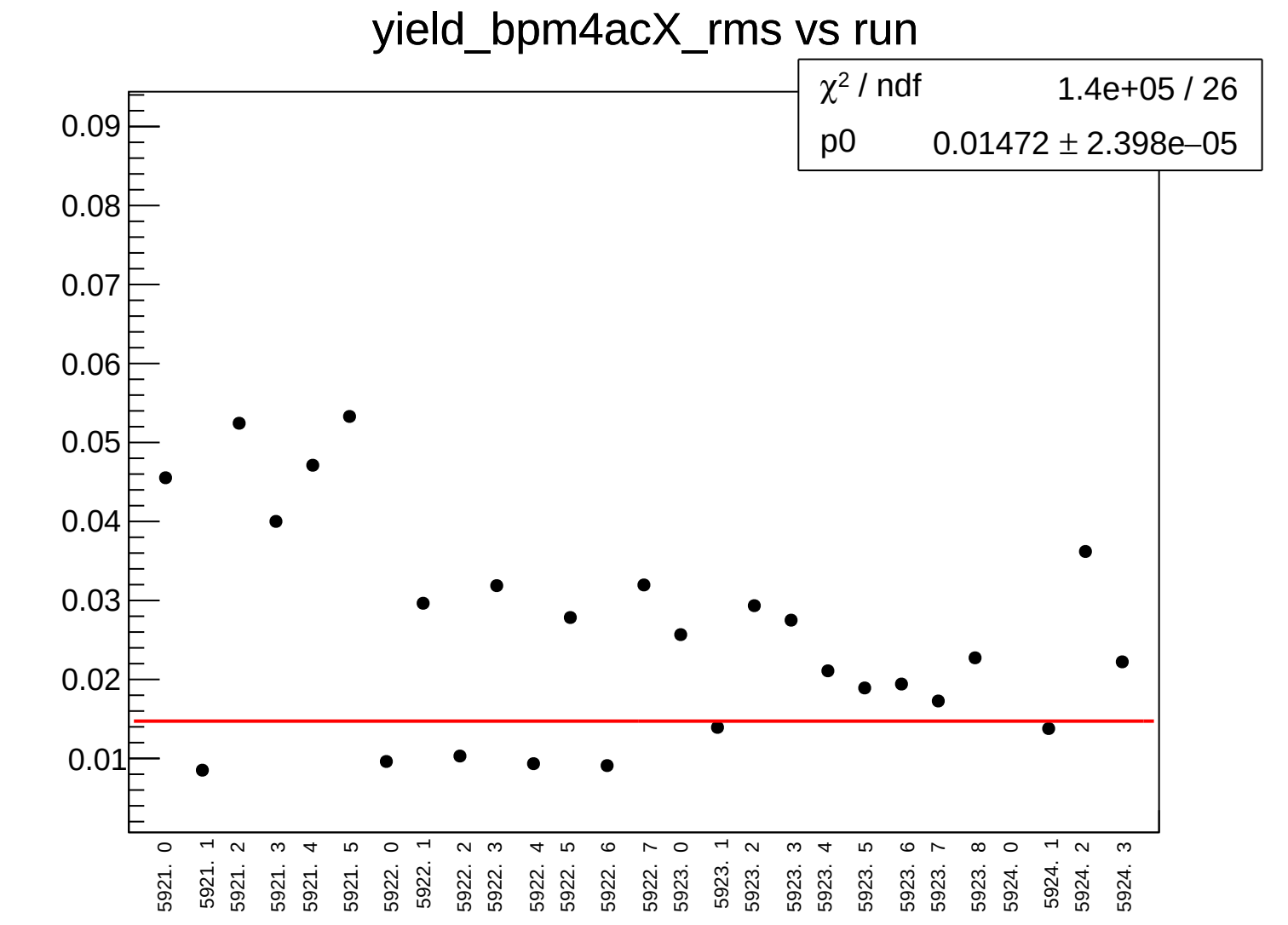

yield_bpm4eY_mean vs run
χ² / ndf 1.618e+04 / 26
p0 0.296 ± 4.596e−05
0.305
0.3
0.295
0.29
0.285
0.28
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 53.94
Std Dev 0
40
20
0
−20
−40
−60

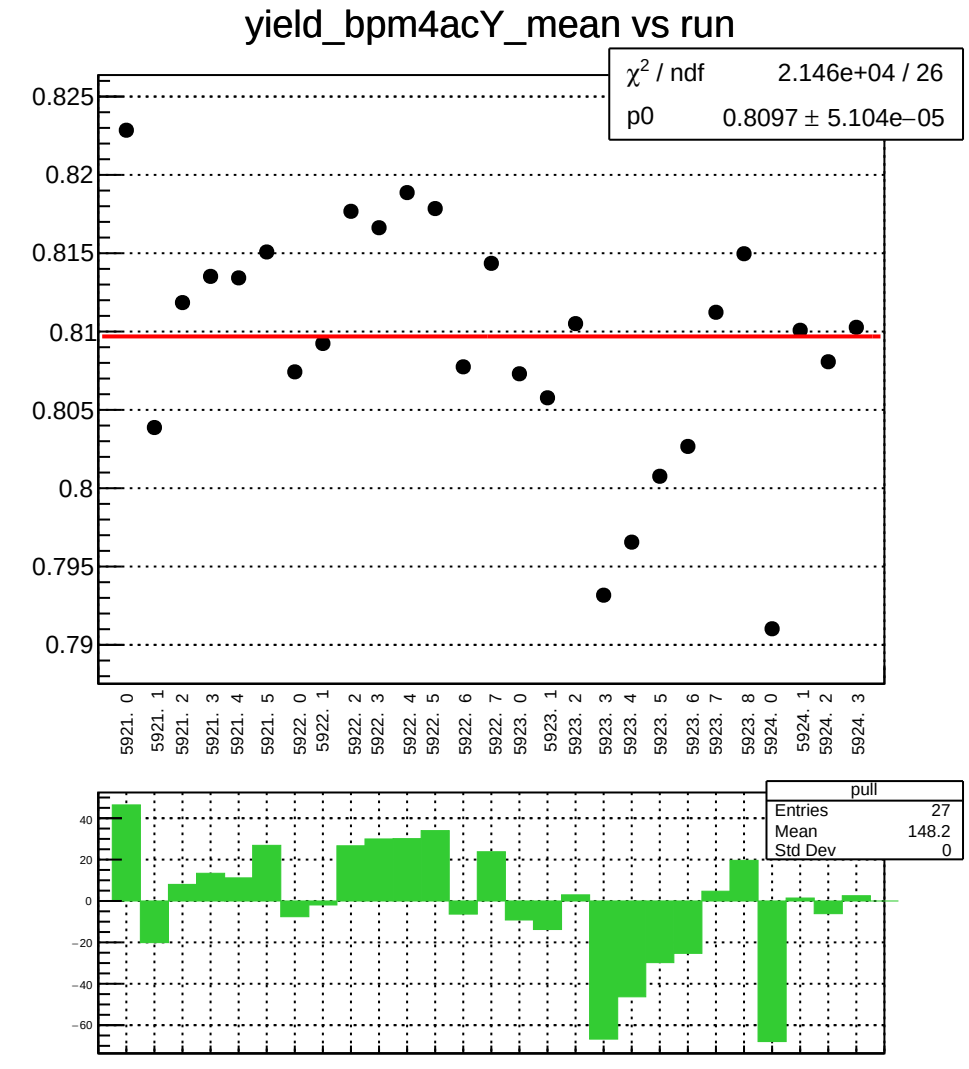

pull1D
Entries 27
Mean 1.297
Std Dev 2.936
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

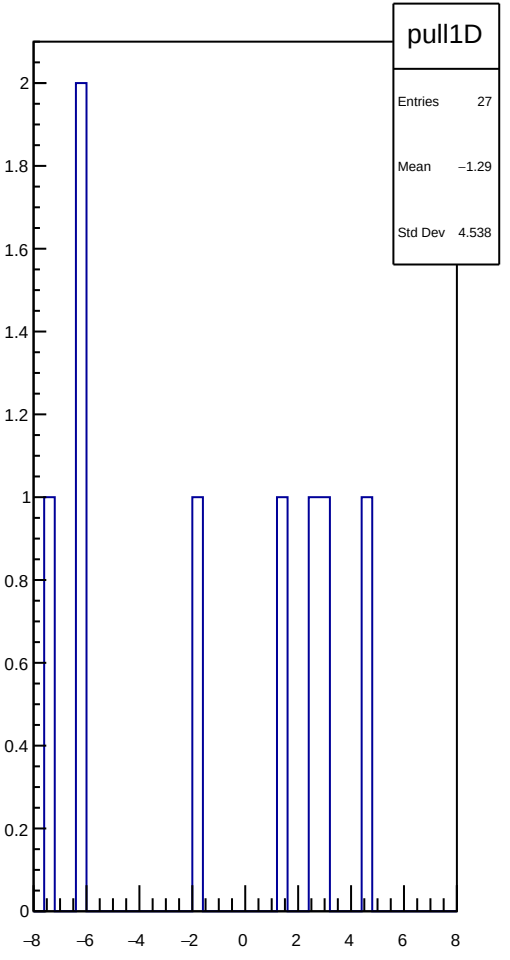

yield_bpm4eY_rms vs run
χ² / ndf 4096 / 26
p0 0.02328 ± 3.25e−05
0.028
0.026
0.024
0.022
0.02
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

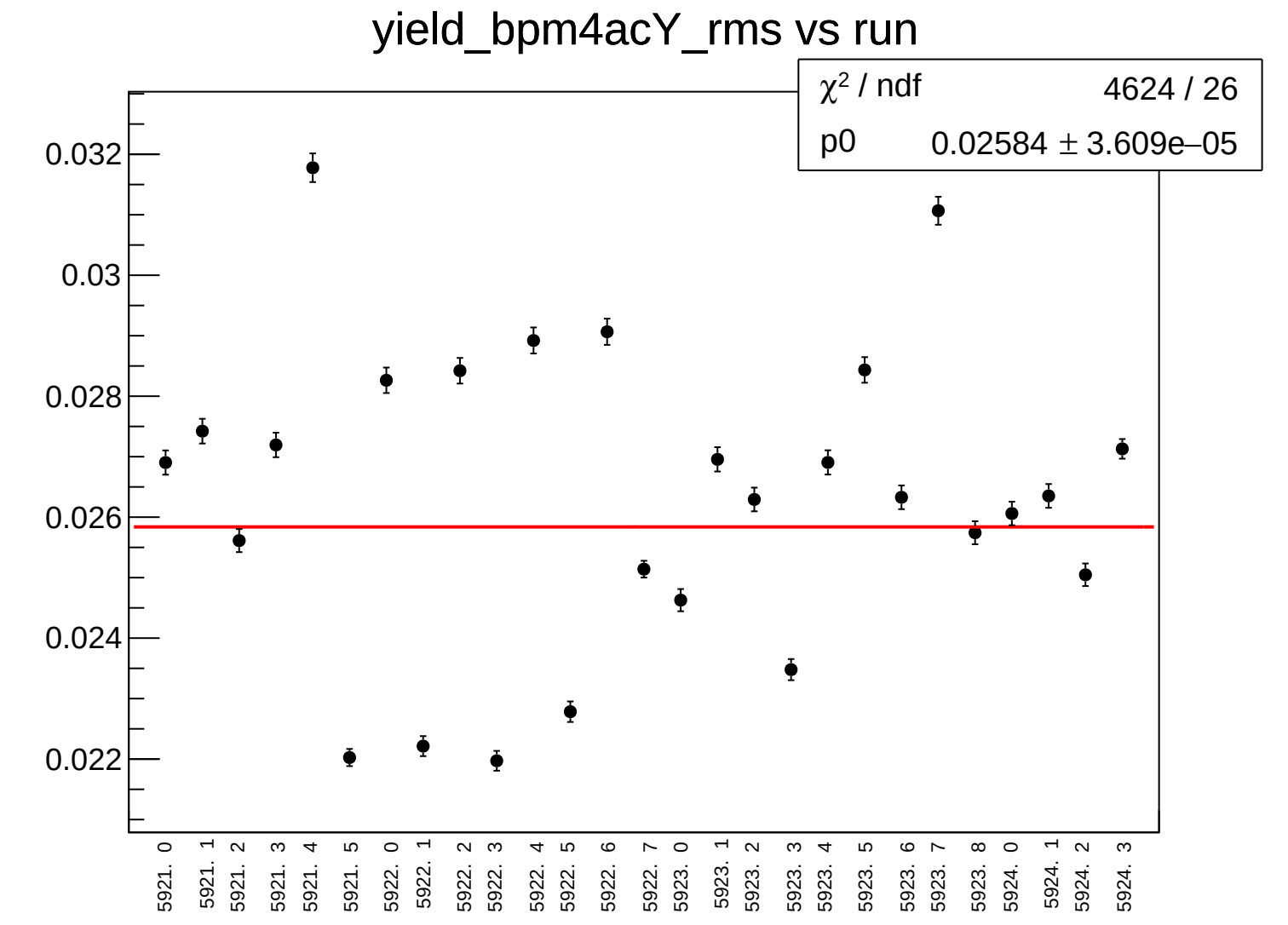

yield_bpm4acX_mean vs run
χ² / ndf 6.685e+04 / 26
p0 −0.7726 ± 3.391e−05
−0.75
−0.76
−0.77
−0.78
−0.79
−0.8
−0.81
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 36.64
Std Dev 0
80
60
40
20
0
−20
−40
−60
−80
−100
−120

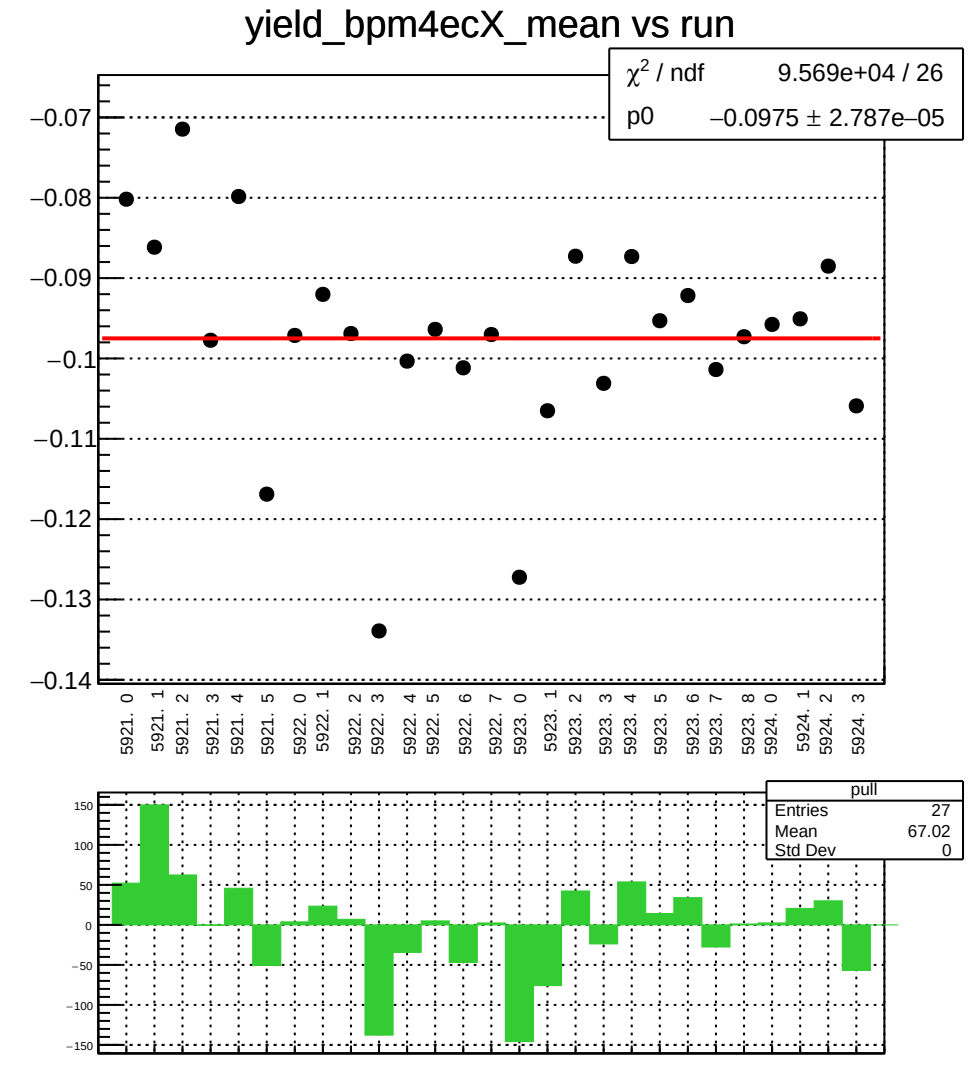

pull1D
Entries 27
Mean 5.581
Std Dev 0.5126
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

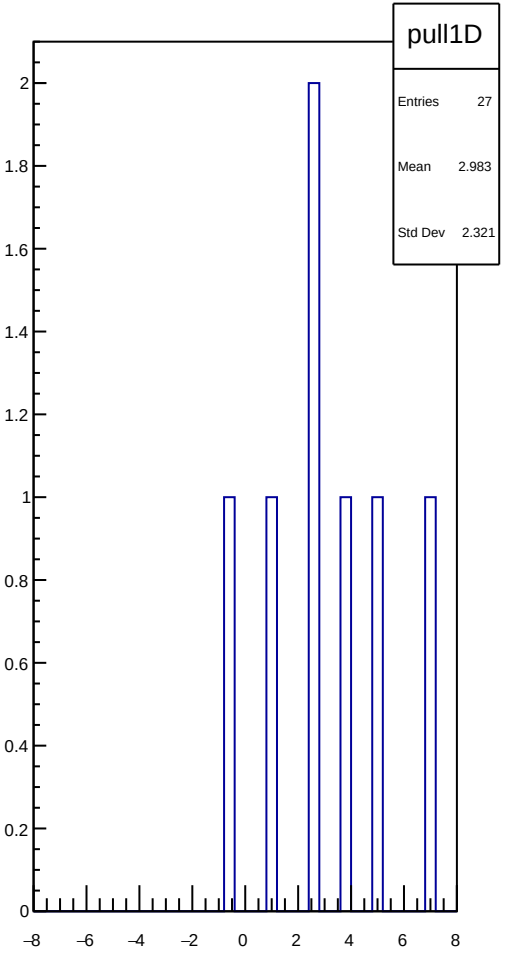

yield_bpm4acX_rms vs run
χ² / ndf 1.4e+05 / 26
p0 0.01472 ± 2.398e–05
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

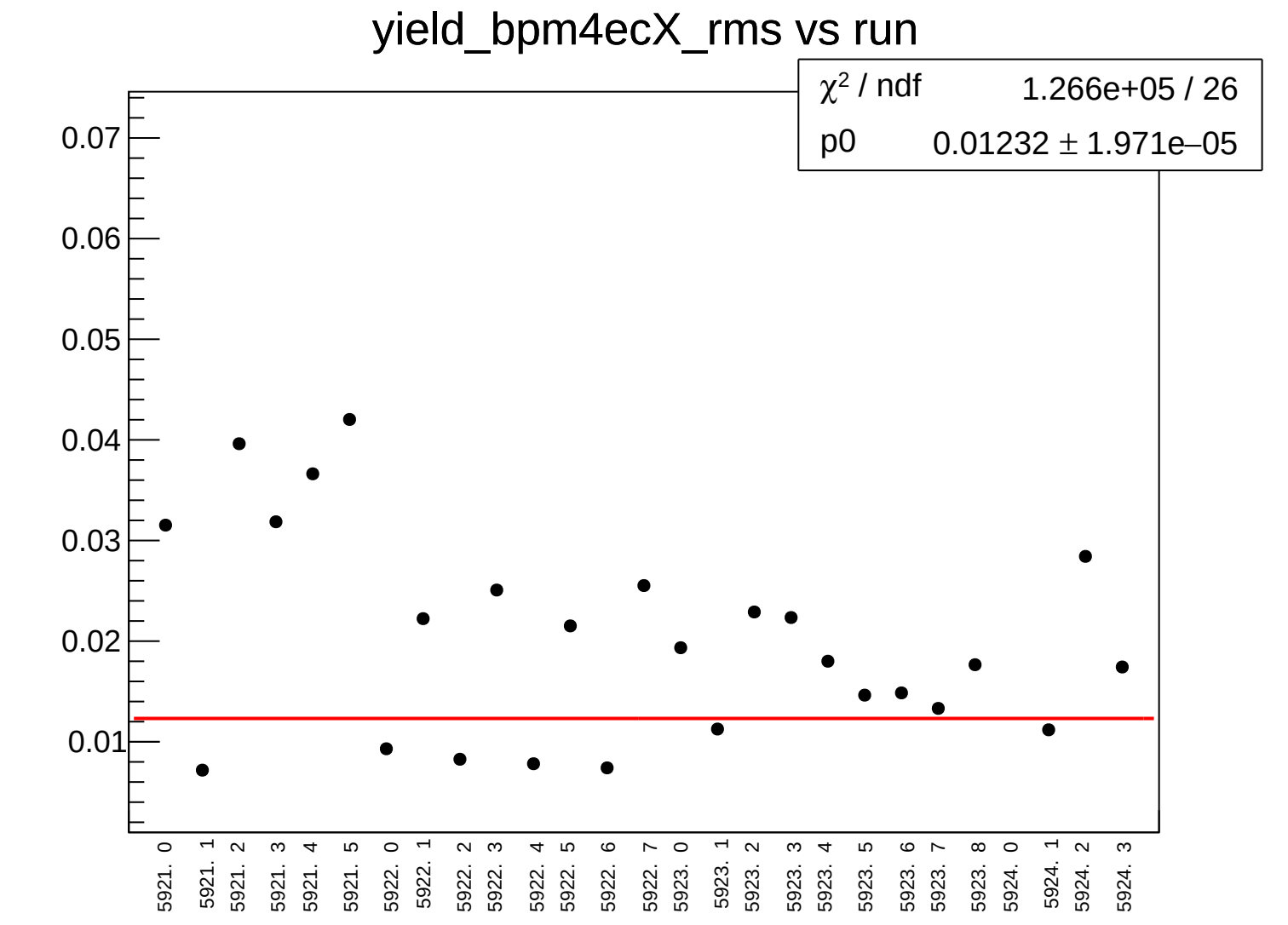

yield_bpm4acY_mean vs run
χ² / ndf 2.146e+04 / 26
p0 0.8097 ± 5.104e−05
0.825
0.82
0.815
0.81
0.805
0.8
0.795
0.79
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 148.2
Std Dev 0
40
20
0
−20
−40
−60

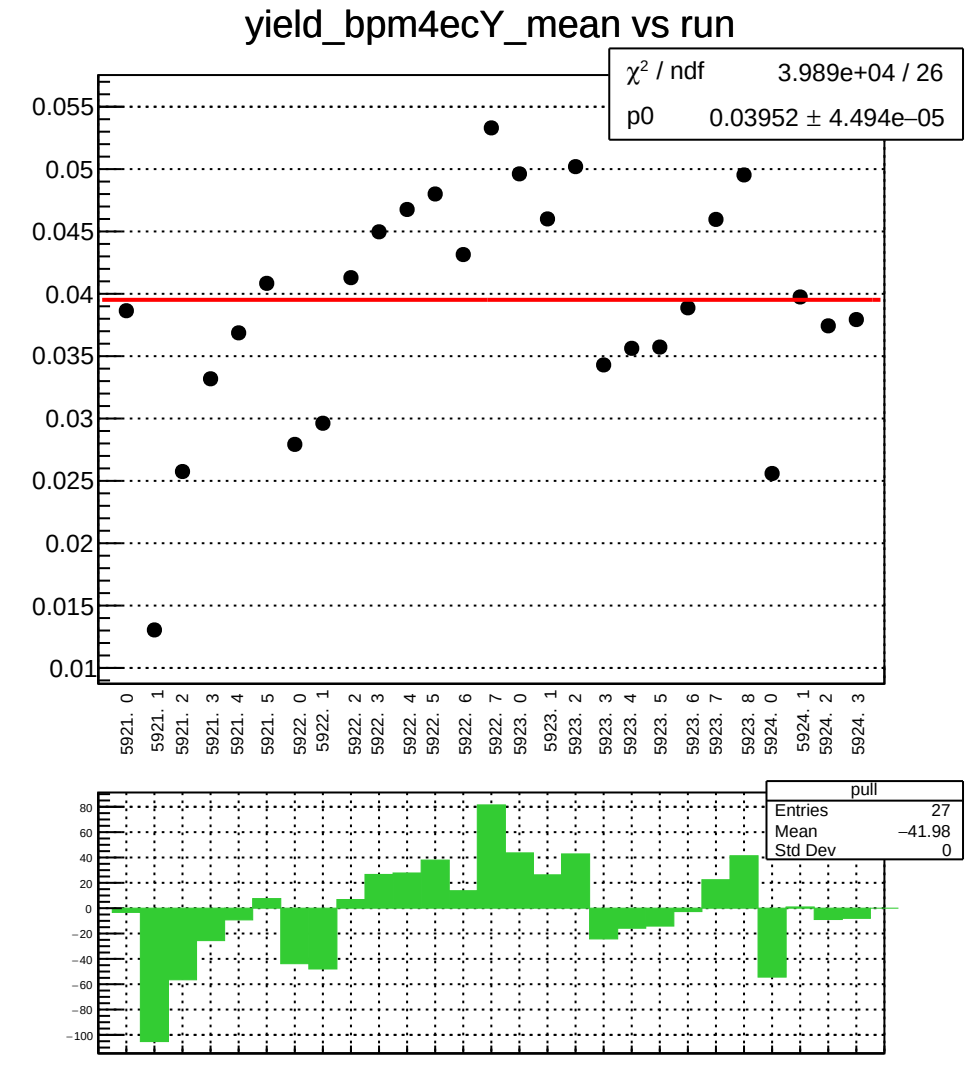

pull1D
Entries 27
Mean −1.29
Std Dev 4.538
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

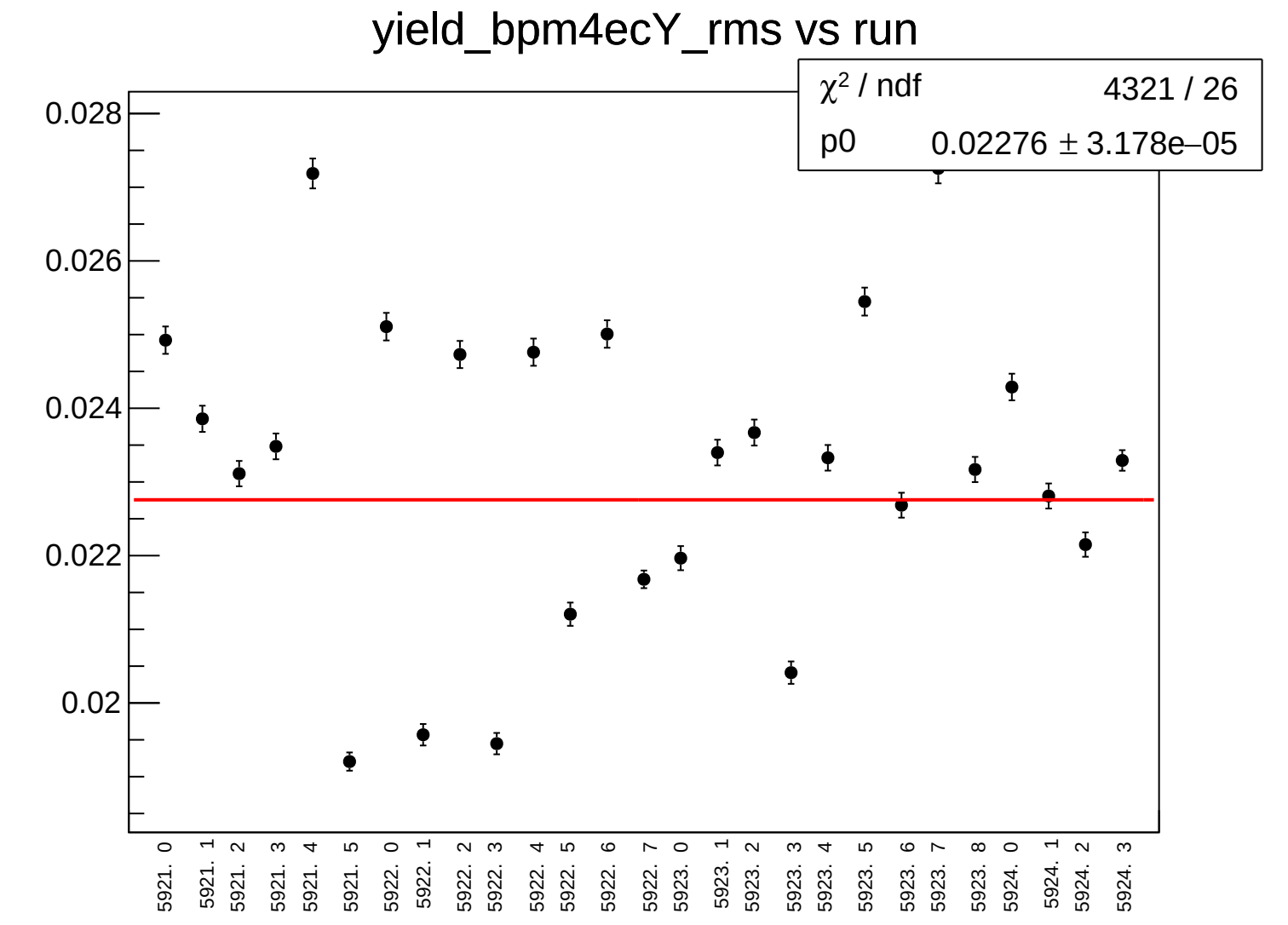

yield_bpm4acY_rms vs run
χ² / ndf 4624 / 26
p0 0.02584 ± 3.609e–05
0.032
0.03
0.028
0.026
0.024
0.022
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

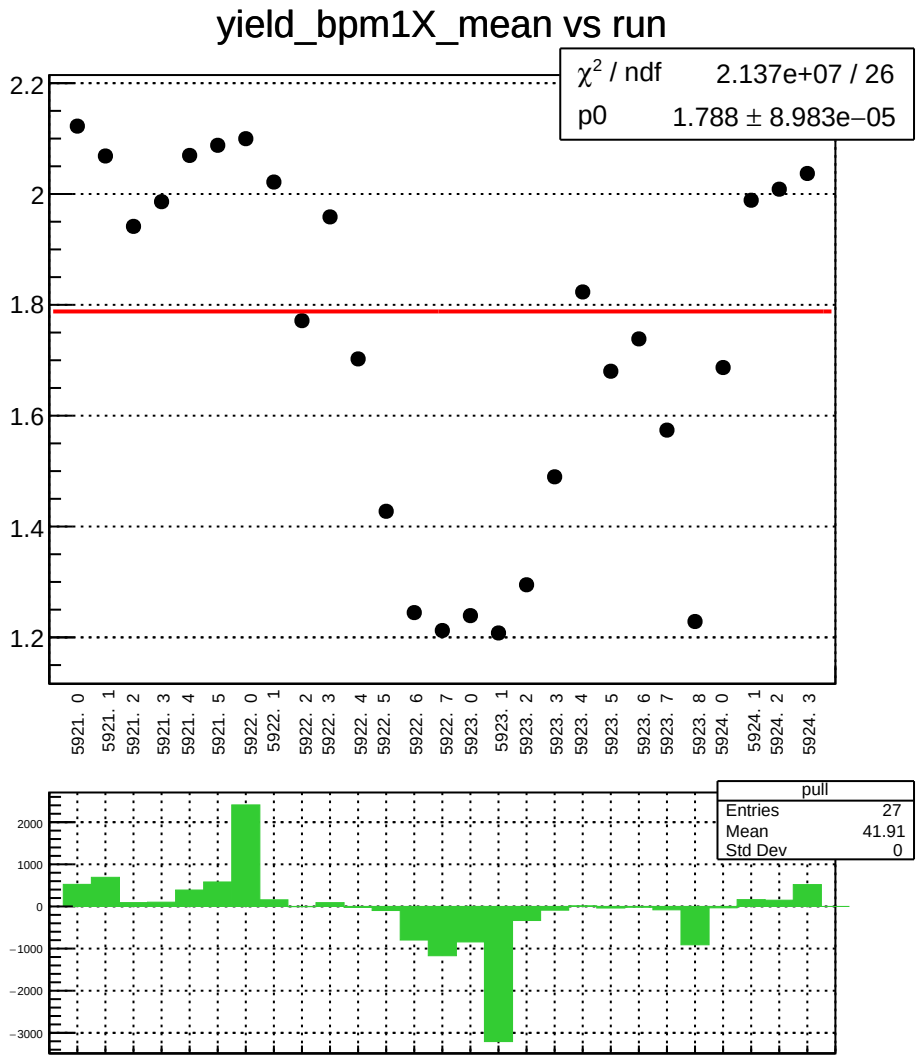

yield_bpm4ecX_mean vs run
χ² / ndf 9.569e+04 / 26
p0 −0.0975 ± 2.787e−05
−0.07
−0.08
−0.09
−0.1
−0.11
−0.12
−0.13
−0.14
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 67.02
Std Dev 0
150
100
50
0
−50
−100
−150

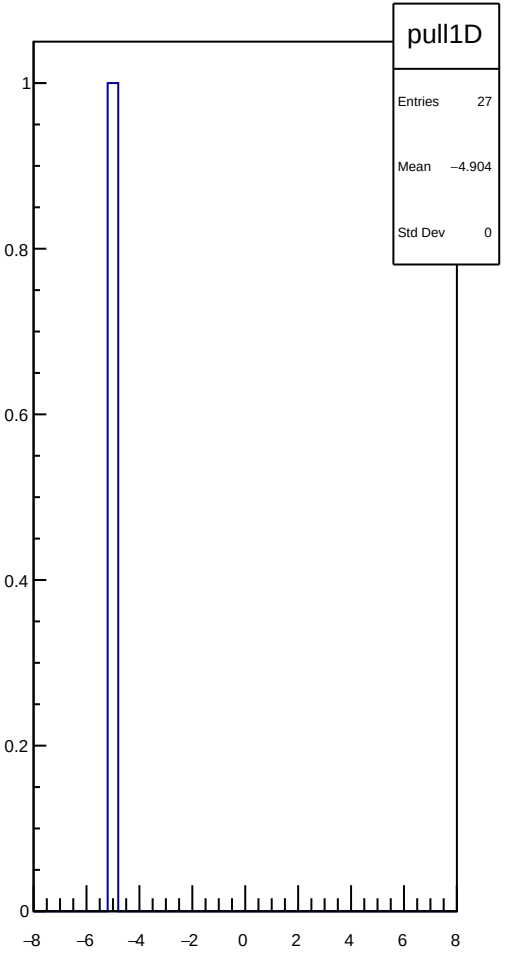

pull1D
Entries 27
Mean 2.983
Std Dev 2.321
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

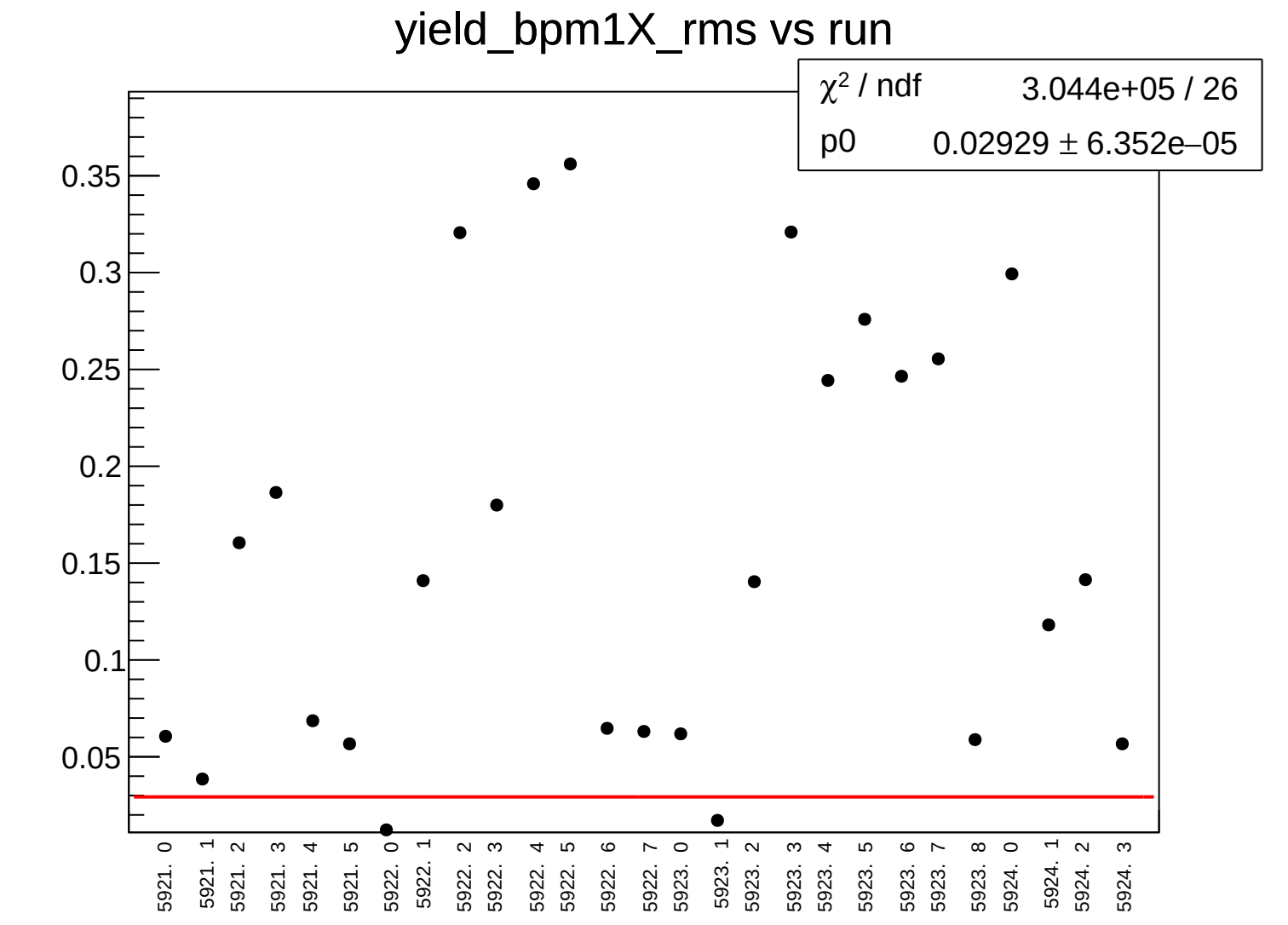

yield_bpm4ecX_rms vs run
χ² / ndf 1.266e+05 / 26
p0 0.01232 ± 1.971e−05
0.07
0.06
0.05
0.04
0.03
0.02
0.01
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

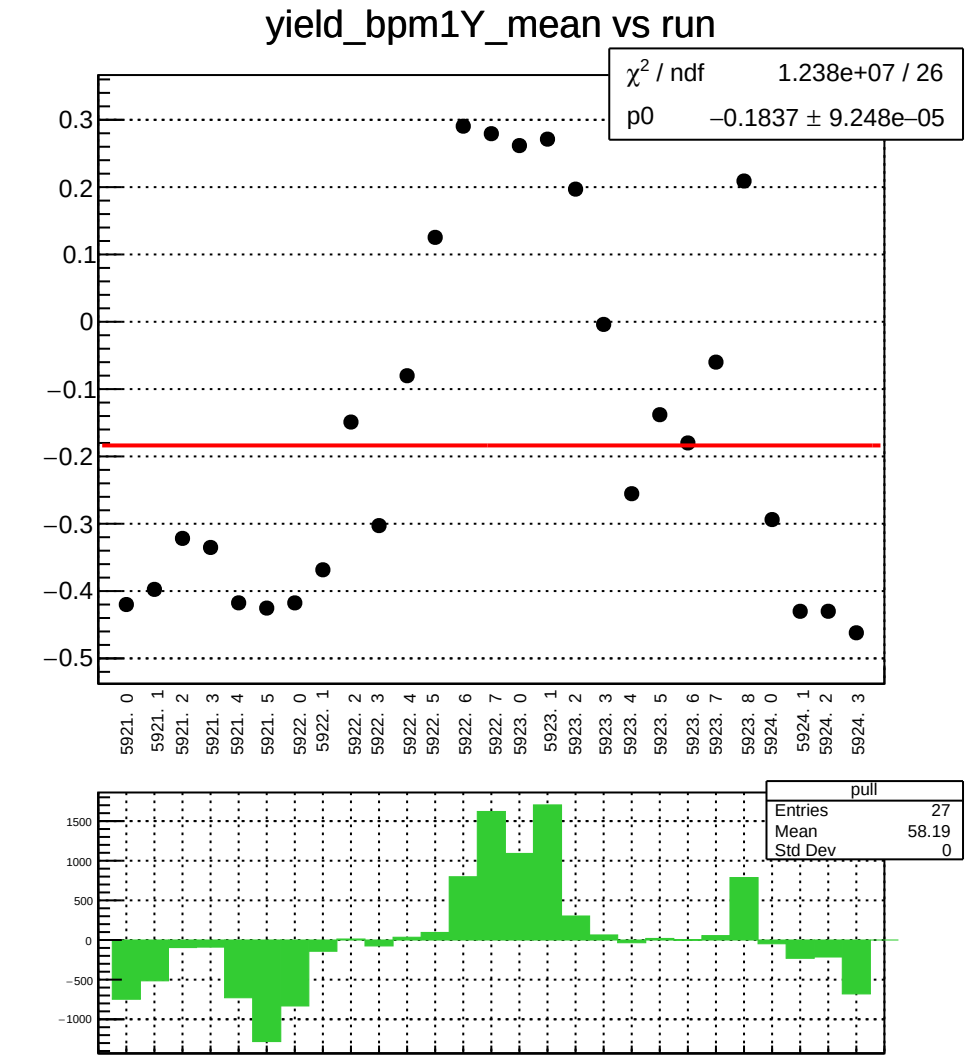

yield_bpm4ecY_mean vs run
χ² / ndf 3.989e+04 / 26
p0 0.03952 ± 4.494e−05
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −41.98
Std Dev 0
80
60
40
20
0
−20
−40
−60
−80
−100
pull1D
Entries 27
Mean 1.868
Std Dev 4.591
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

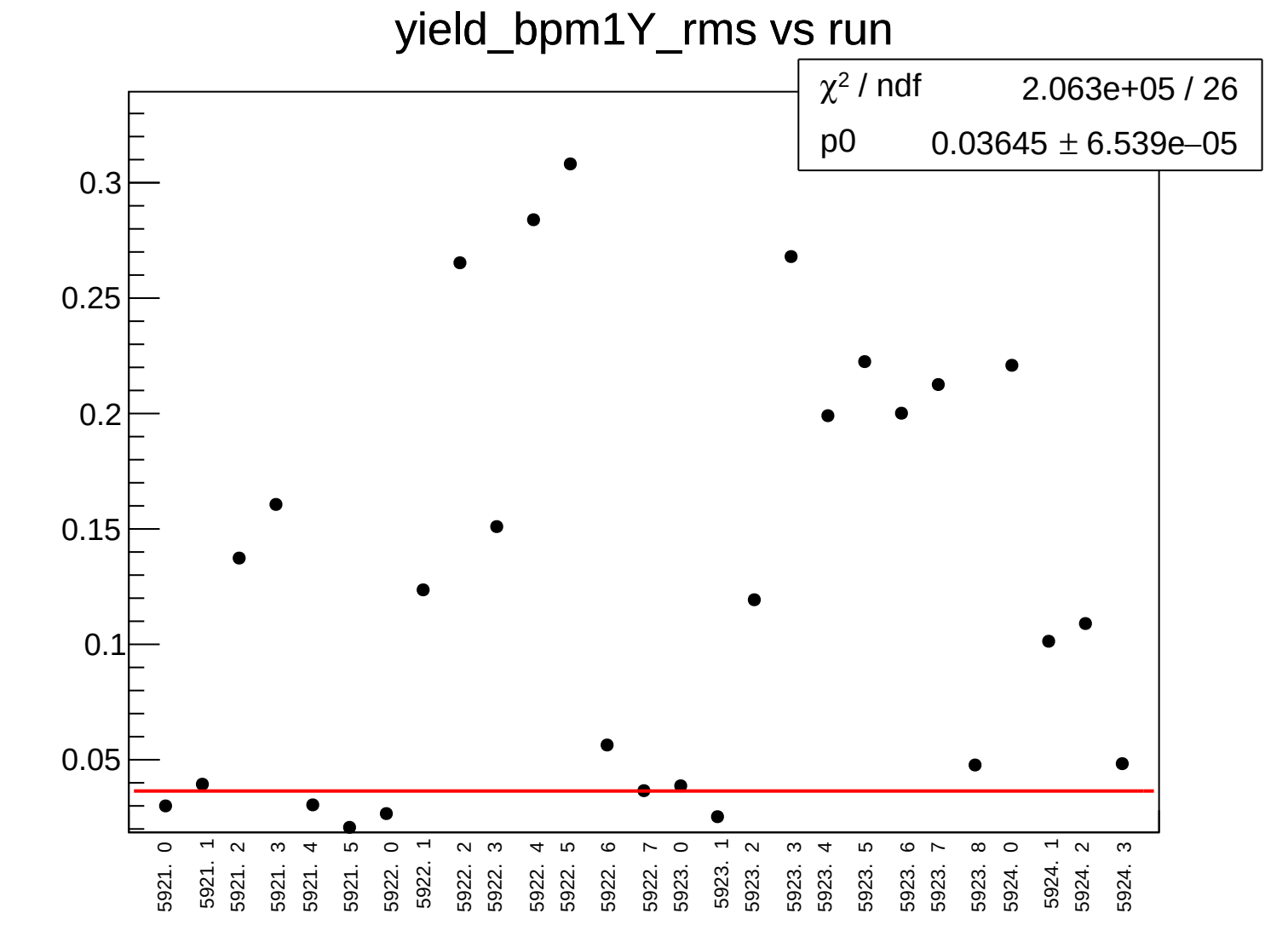

yield_bpm4ecY_rms vs run
χ² / ndf 4321 / 26
p0 0.02276 ± 3.178e–05
0.028
0.026
0.024
0.022
0.02
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

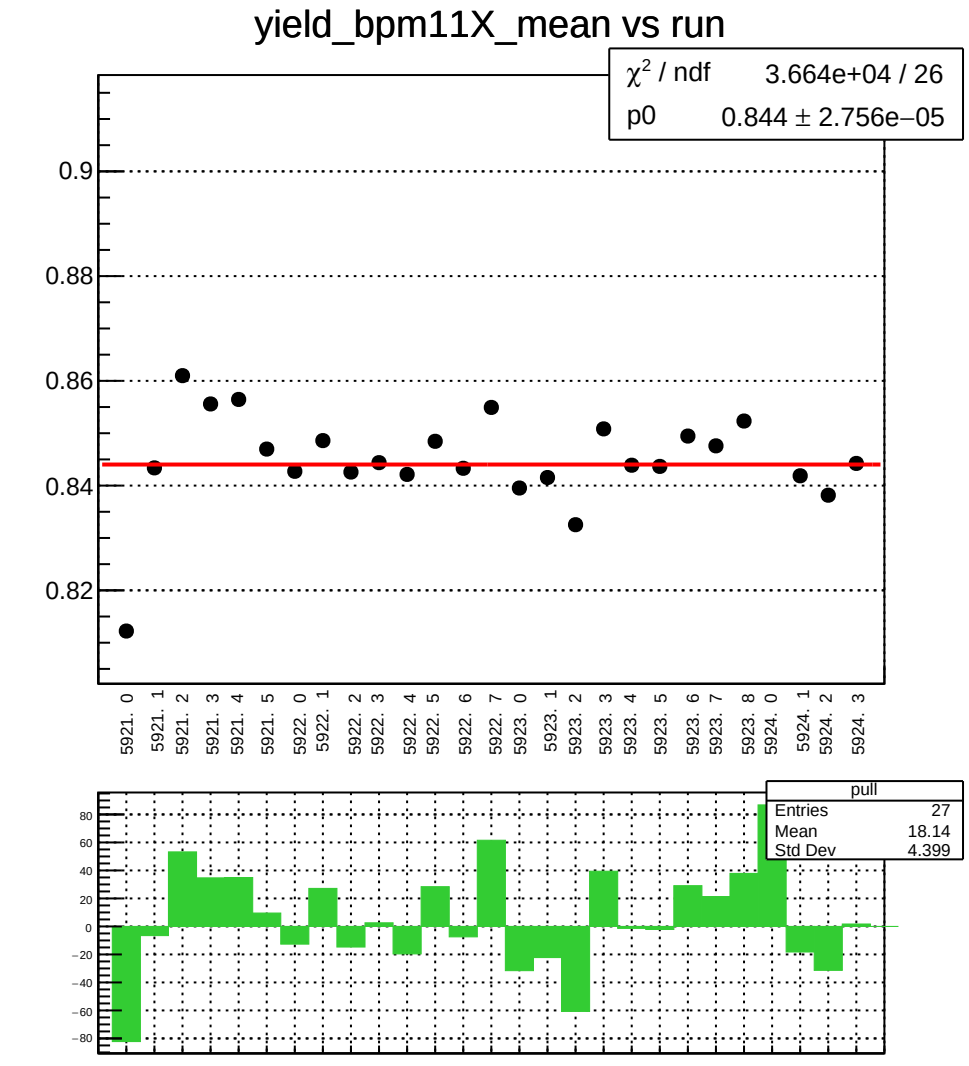

yield_bpm1X_mean vs run
χ² / ndf 2.137e+07 / 26
p0 1.788 ± 8.983e−05
2.2
2
1.8
1.6
1.4
1.2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 41.91
Std Dev 0
2000
1000
0
−1000
−2000
−3000

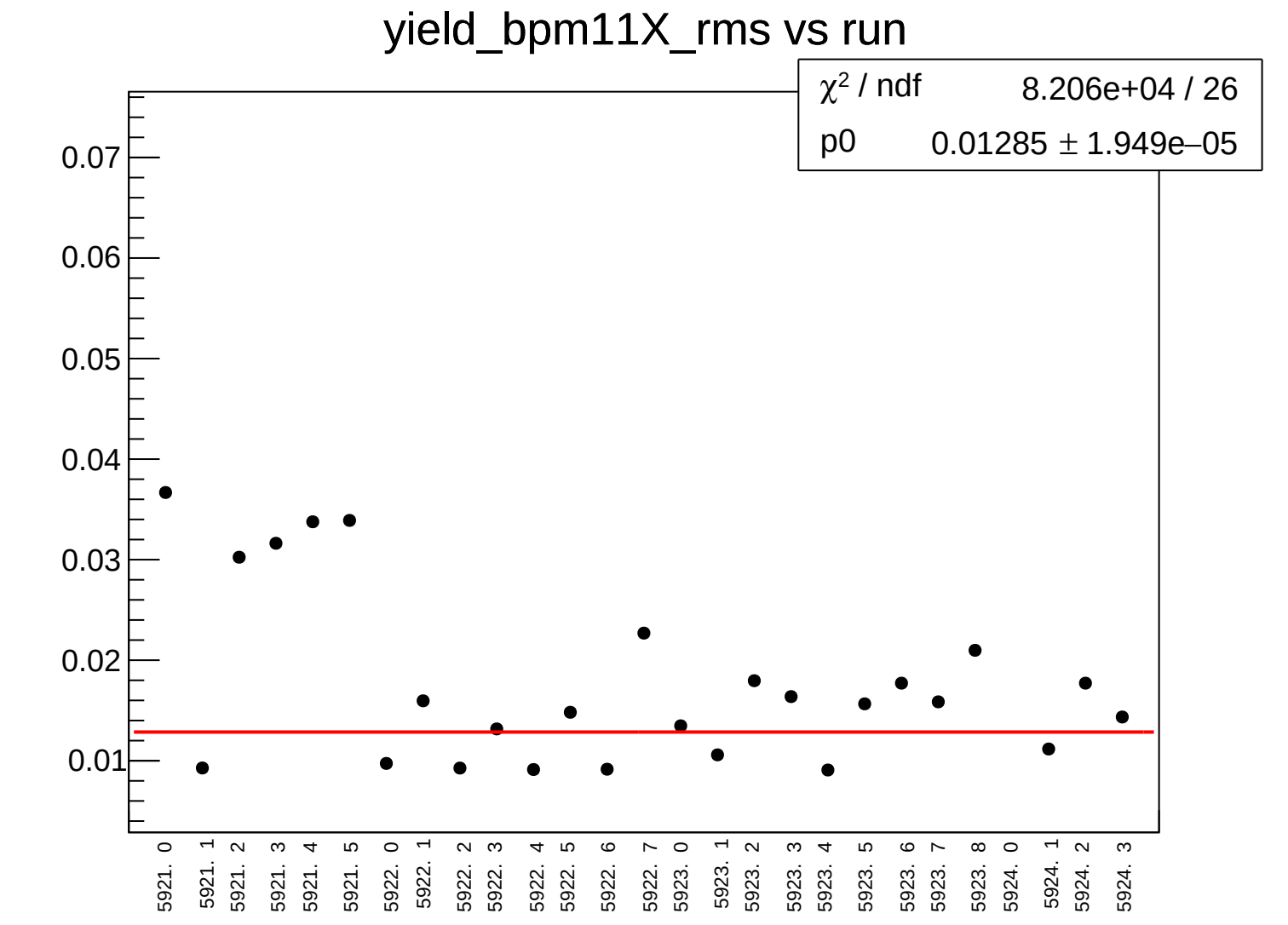

pull1D
Entries 27
Mean −4.904
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

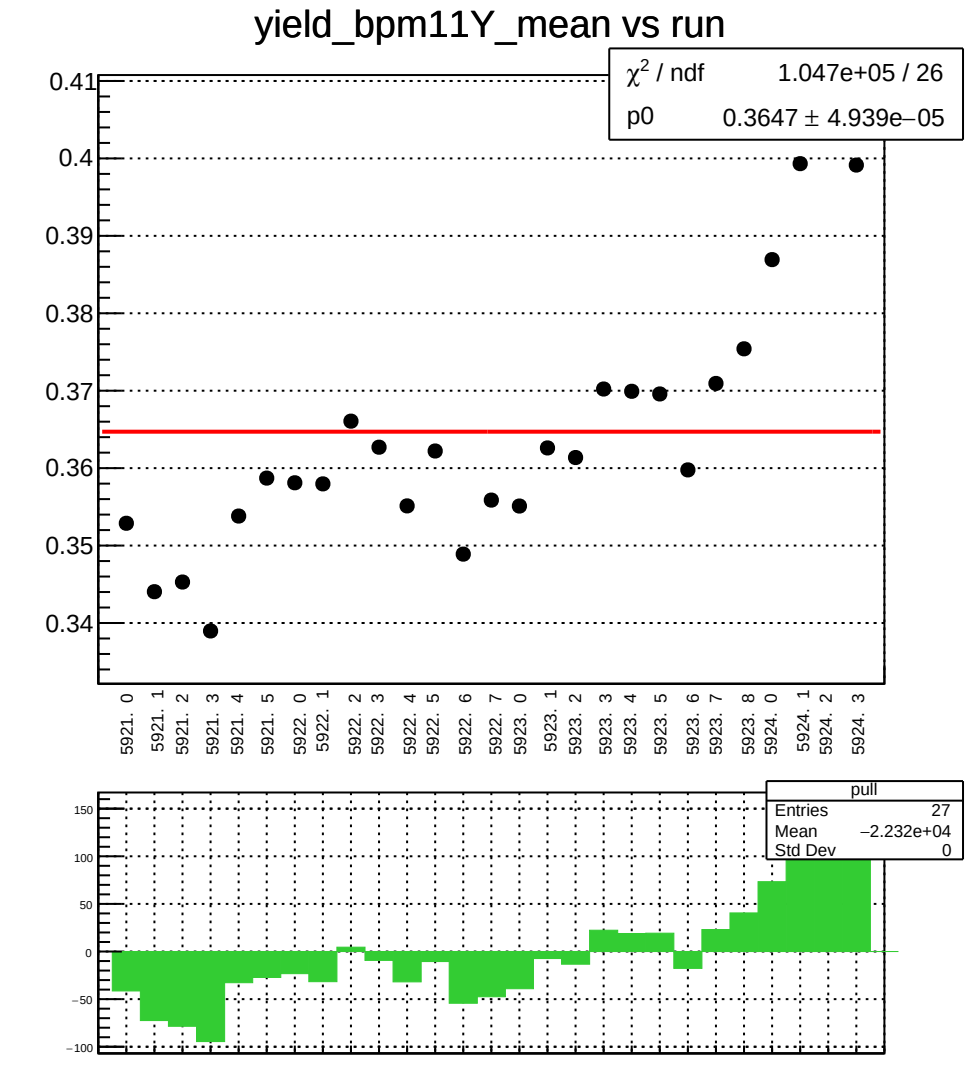

yield_bpm1X_rms vs run
χ² / ndf 3.044e+05 / 26
p0 0.02929 ± 6.352e–05
0.35
0.3
0.25
0.2
0.15
0.1
0.05
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

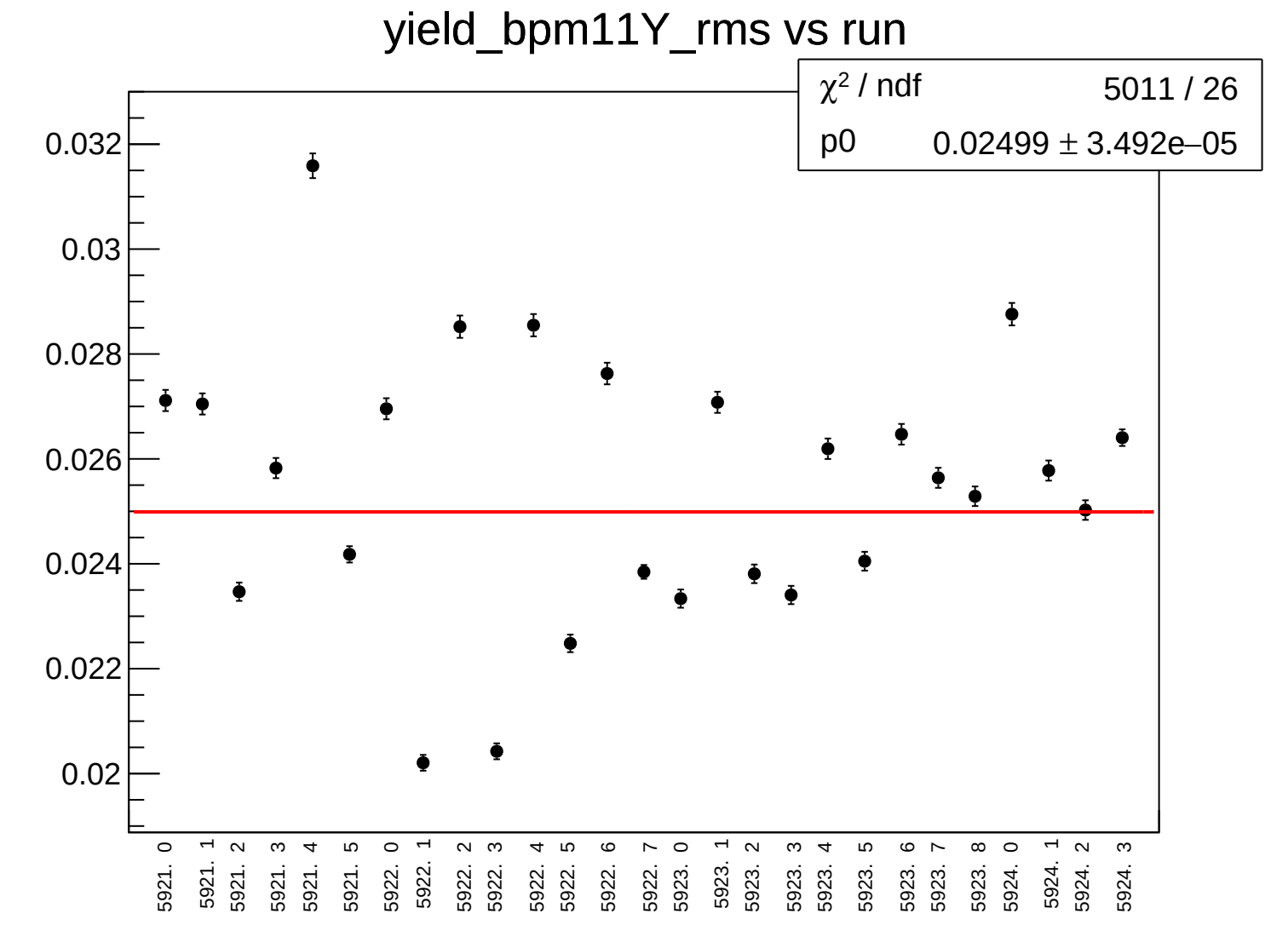

yield_bpm1Y_mean vs run
χ² / ndf 1.238e+07 / 26
p0 −0.1837 ± 9.248e−05
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 58.19
Std Dev 0
1500
1000
500
0
−500
−1000
pull1D
Entries 27
Mean 1.755
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

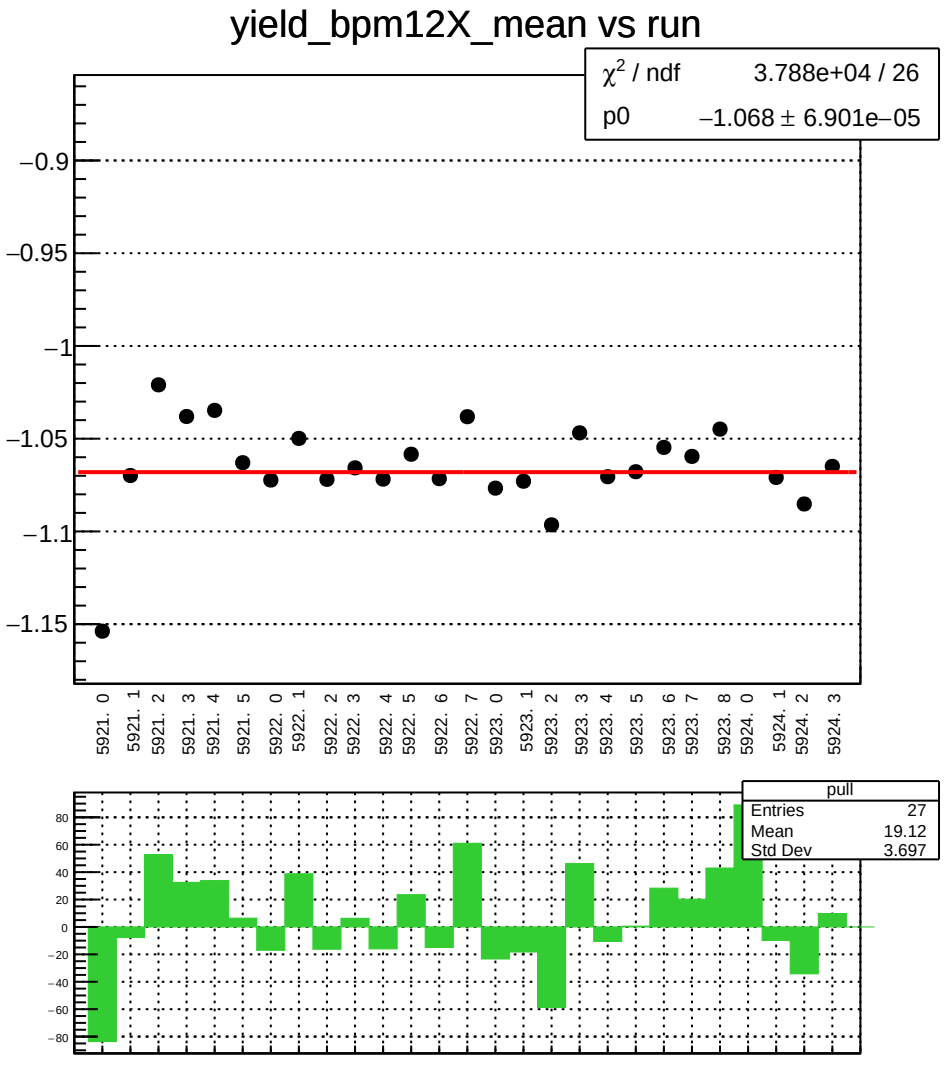

yield_bpm1Y_rms vs run
χ² / ndf 2.063e+05 / 26
p0 0.03645 ± 6.539e–05
0.3
0.25
0.2
0.15
0.1
0.05
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

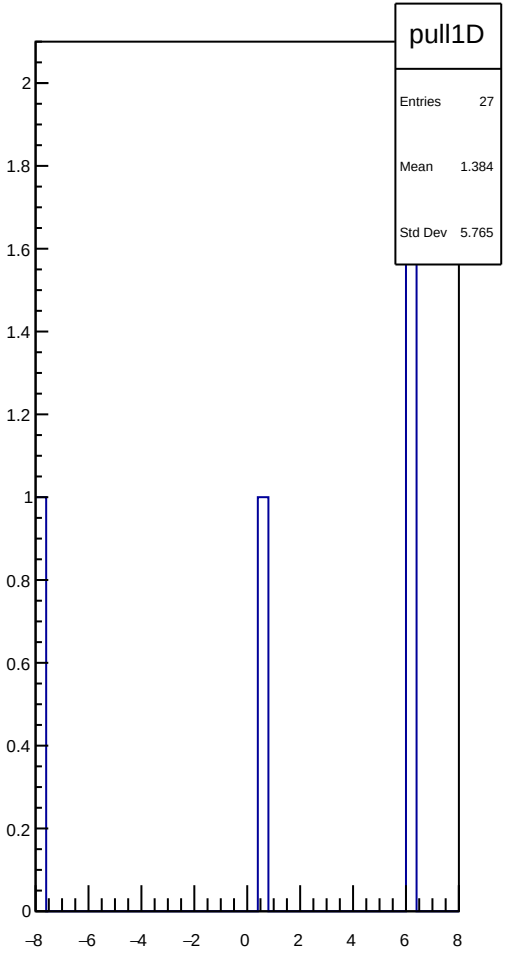

yield_bpm11X_mean vs run
χ² / ndf 3.664e+04 / 26
p0 0.844 ± 2.756e−05
0.9
0.88
0.86
0.84
0.82
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 18.14
Std Dev 4.399
80
60
40
20
0
−20
−40
−60
−80
pull1D
Entries 27
Mean −2.199
Std Dev 3.766
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

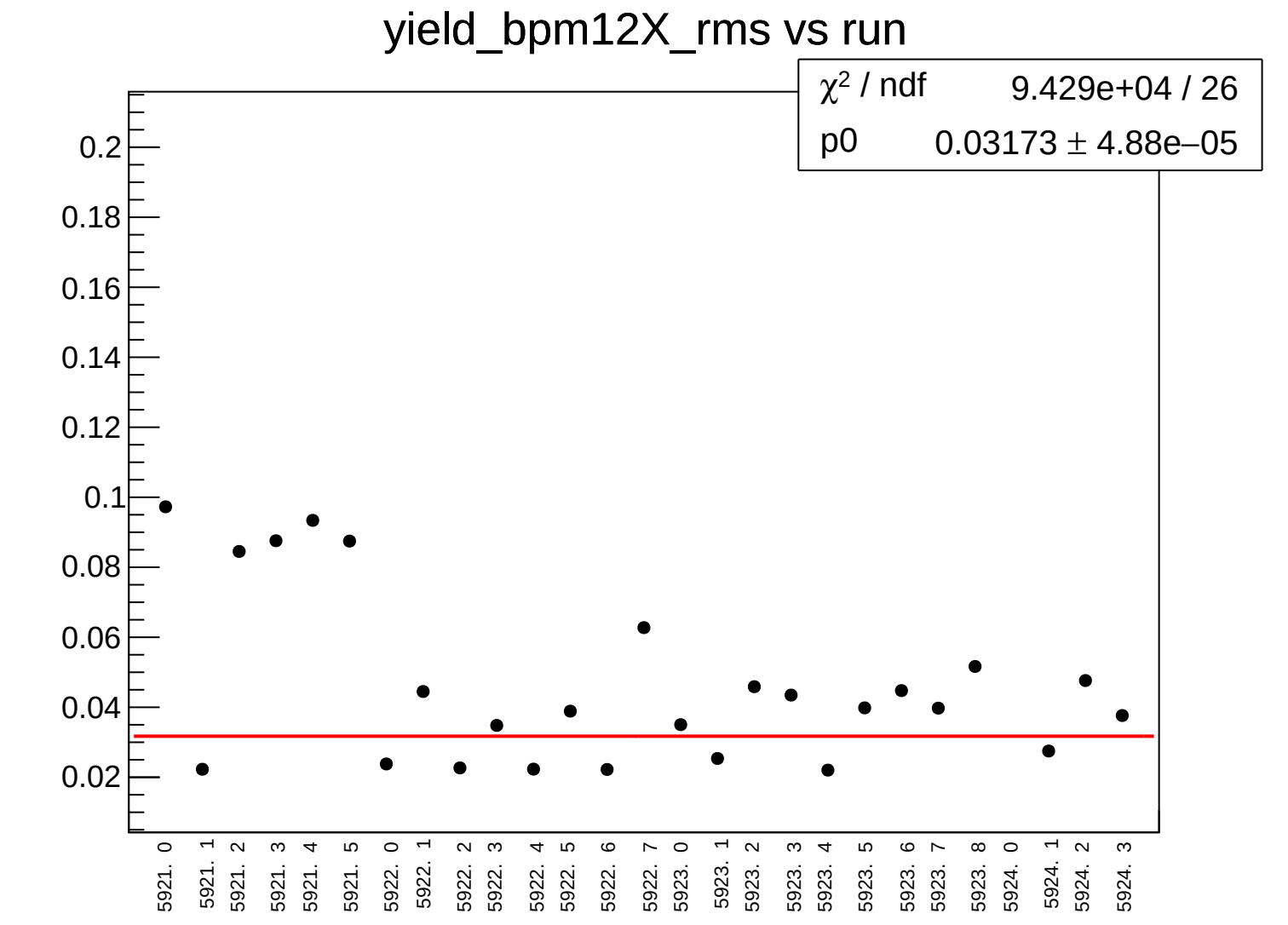

yield_bpm11X_rms vs run
χ² / ndf 8.206e+04 / 26
p0 0.01285 ± 1.949e−05
0.07
0.06
0.05
0.04
0.03
0.02
0.01
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

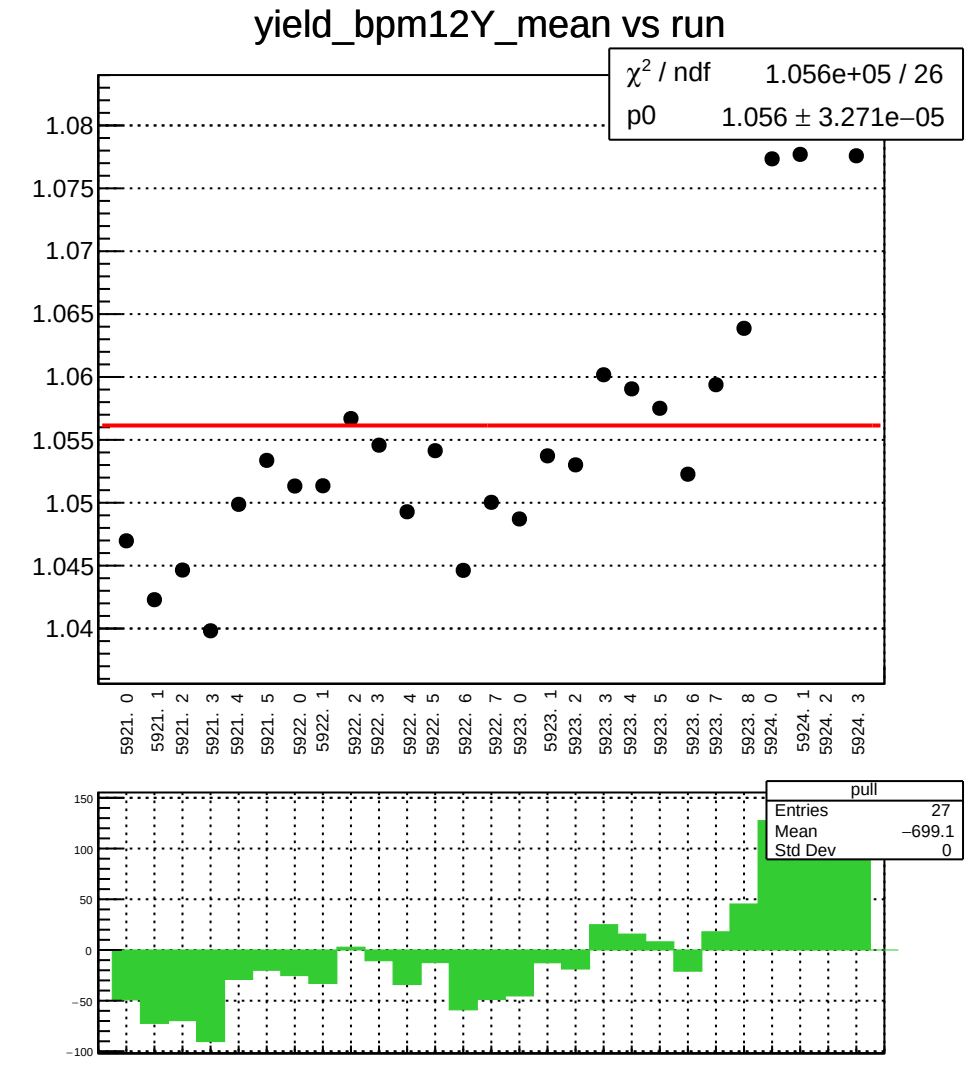

yield_bpm11Y_mean vs run
χ² / ndf 1.047e+05 / 26
p0 0.3647 ± 4.939e−05
0.41
0.4
0.39
0.38
0.37
0.36
0.35
0.34
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −2.232e+04
Std Dev 0
150
100
50
0
−50
−100
pull1D
Entries 27
Mean −1.41
Std Dev 5.939
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

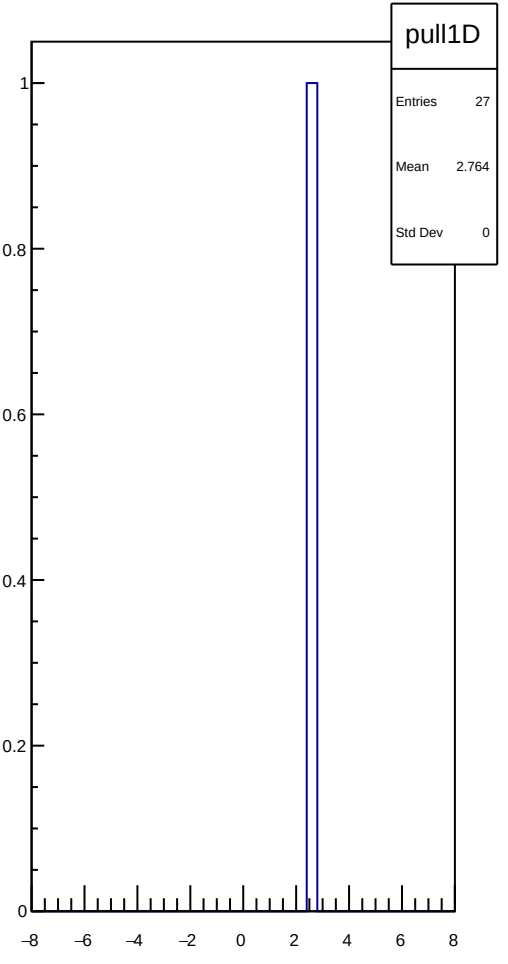

yield_bpm11Y_rms vs run
χ² / ndf 5011 / 26
p0 0.02499 ± 3.492e–05
0.032
0.03
0.028
0.026
0.024
0.022
0.02
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

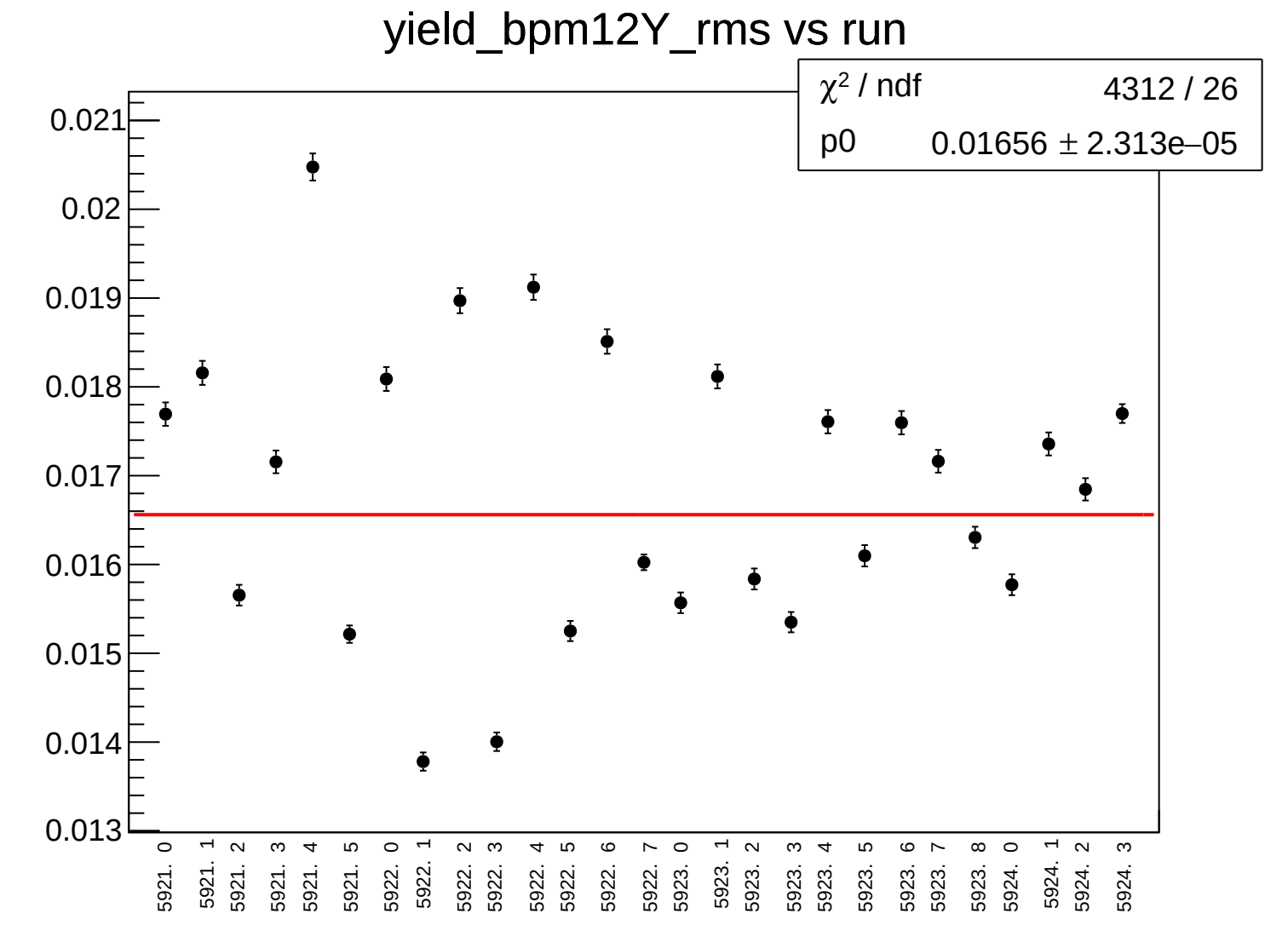

yield_bpm12X_mean vs run
χ² / ndf 3.788e+04 / 26
p0 −1.068 ± 6.901e−05
−0.9
−0.95
−1
−1.05
−1.1
−1.15
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 19.12
Std Dev 3.697
80
60
40
20
0
−20
−40
−60
−80

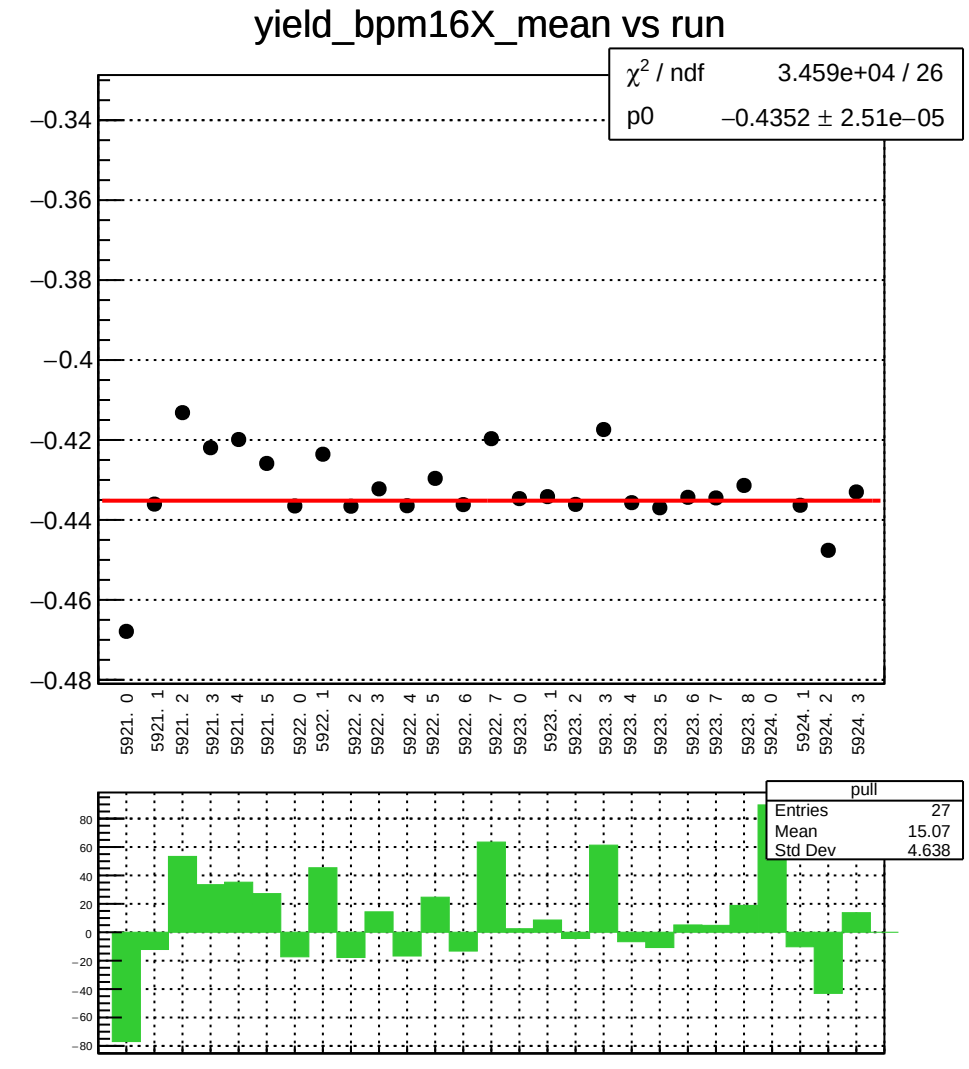

pull1D
Entries 27
Mean 1.384
Std Dev 5.765
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

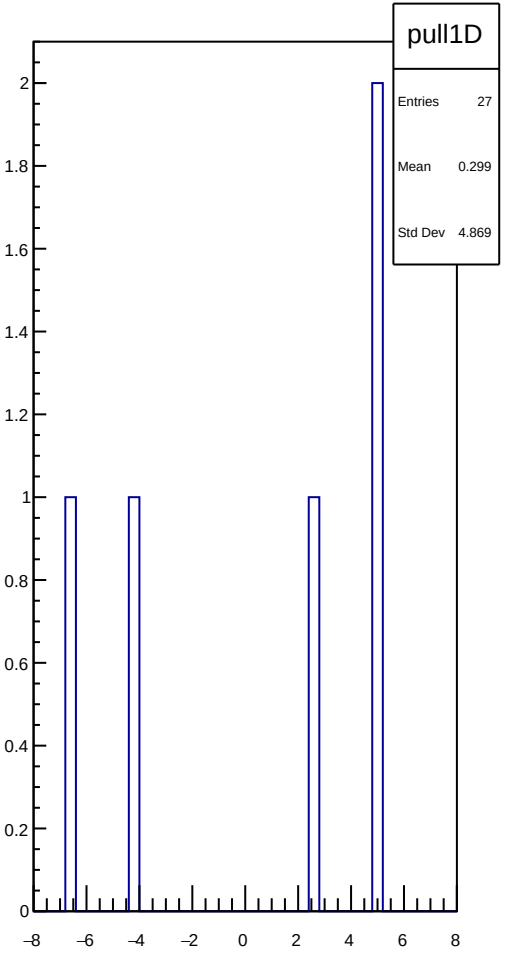

yield_bpm12X_rms vs run
χ² / ndf 9.429e+04 / 26
p0 0.03173 ± 4.88e−05
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

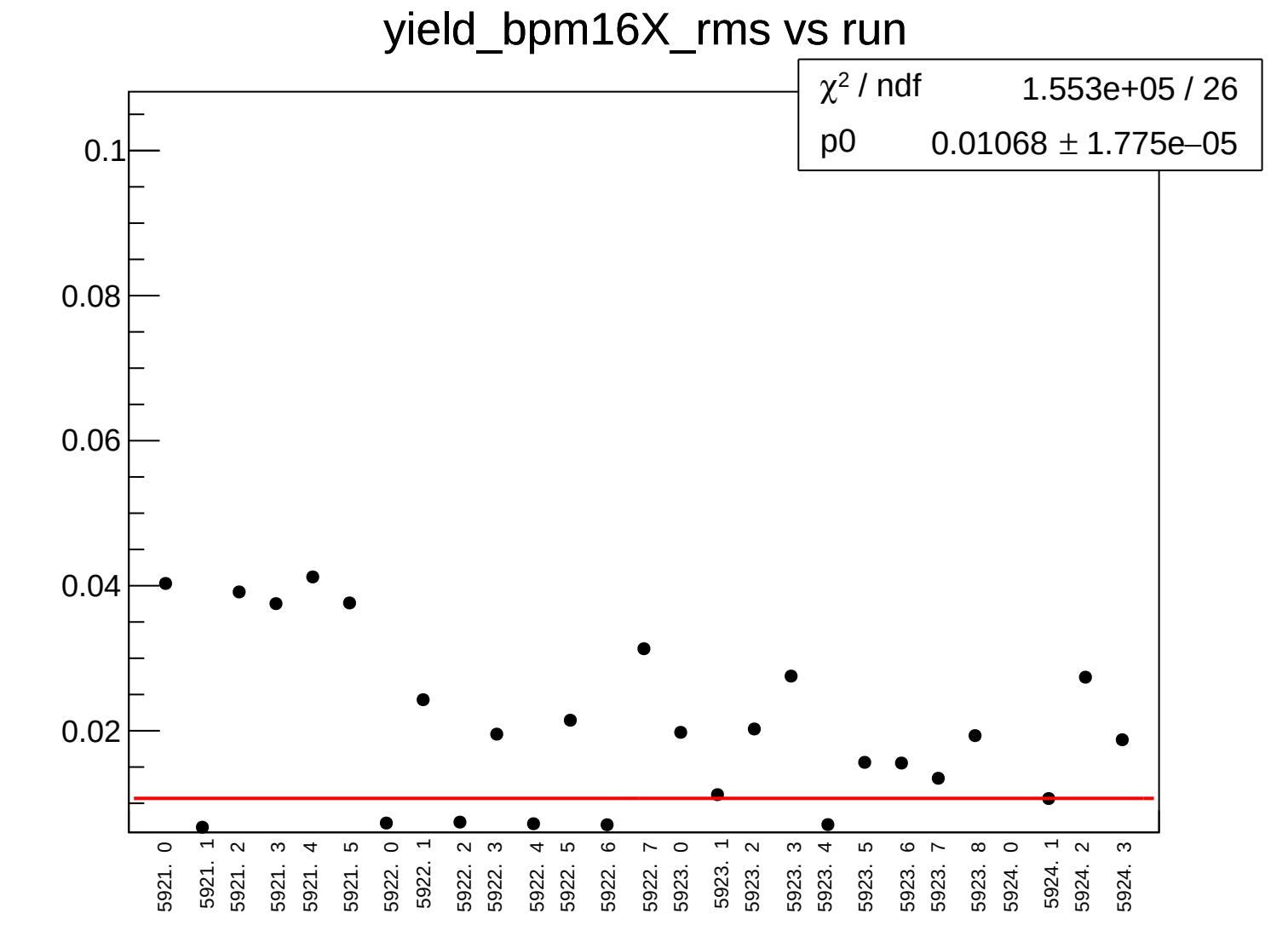

yield_bpm12Y_mean vs run
χ² / ndf 1.056e+05 / 26
p0 1.056 ± 3.271e−05
1.08
1.075
1.07
1.065
1.06
1.055
1.05
1.045
1.04
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −699.1
Std Dev 0
150
100
50
0
−50
−100

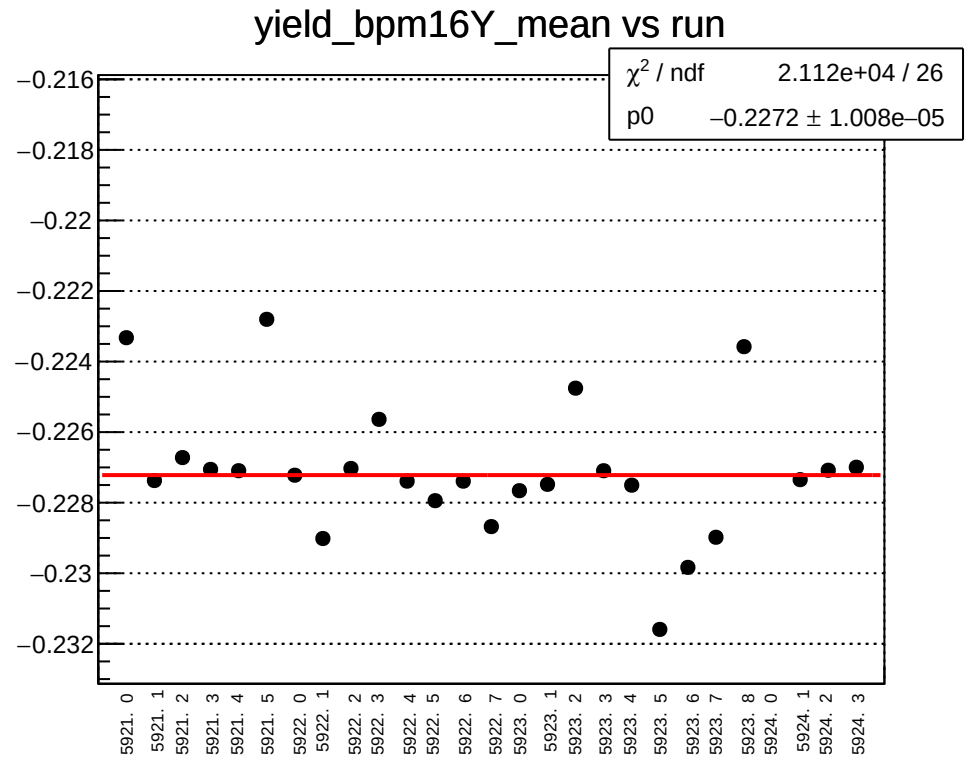

pull1D
Entries 27
Mean 2.764
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

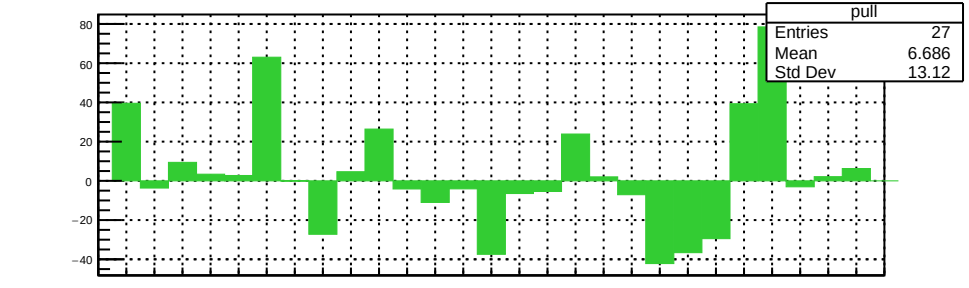

yield_bpm12Y_rms vs run
χ² / ndf 4312 / 26
p0 0.01656 ± 2.313e–05
0.021
0.02
0.019
0.018
0.017
0.016
0.015
0.014
0.013
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

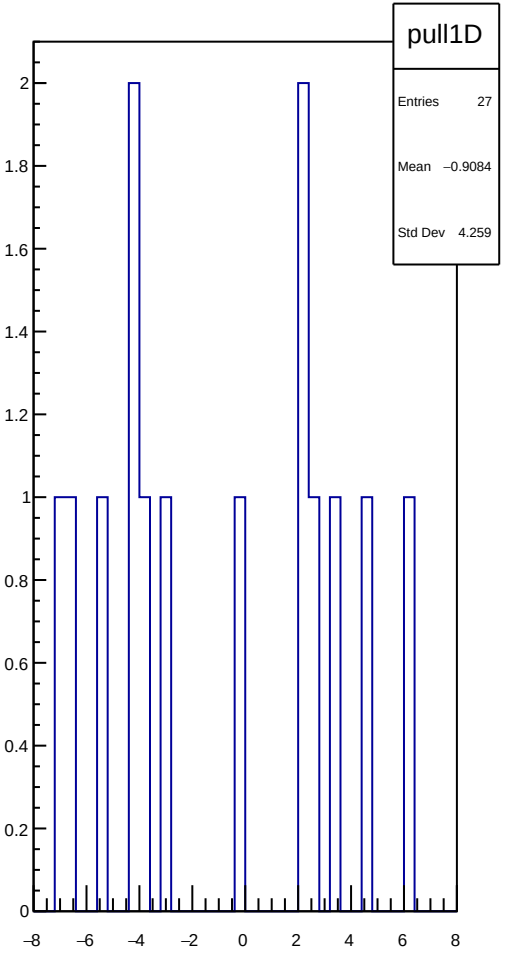

yield_bpm16X_mean vs run
χ² / ndf 3.459e+04 / 26
p0 −0.4352 ± 2.51e−05
−0.34
−0.36
−0.38
−0.4
−0.42
−0.44
−0.46
−0.48
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 15.07
Std Dev 4.638
80
60
40
20
0
−20
−40
−60
−80

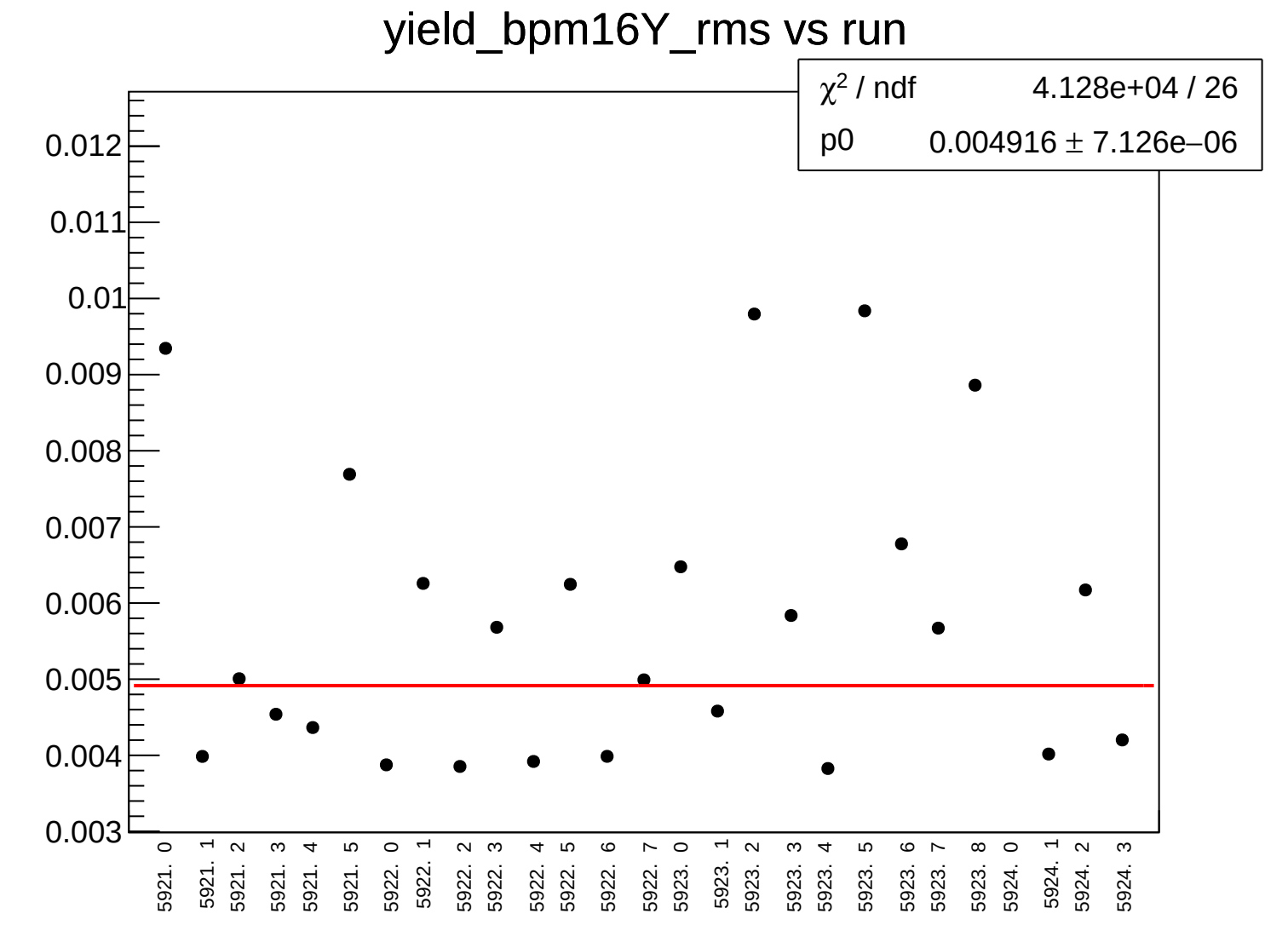

pull1D
Entries 27
Mean 0.299
Std Dev 4.869
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

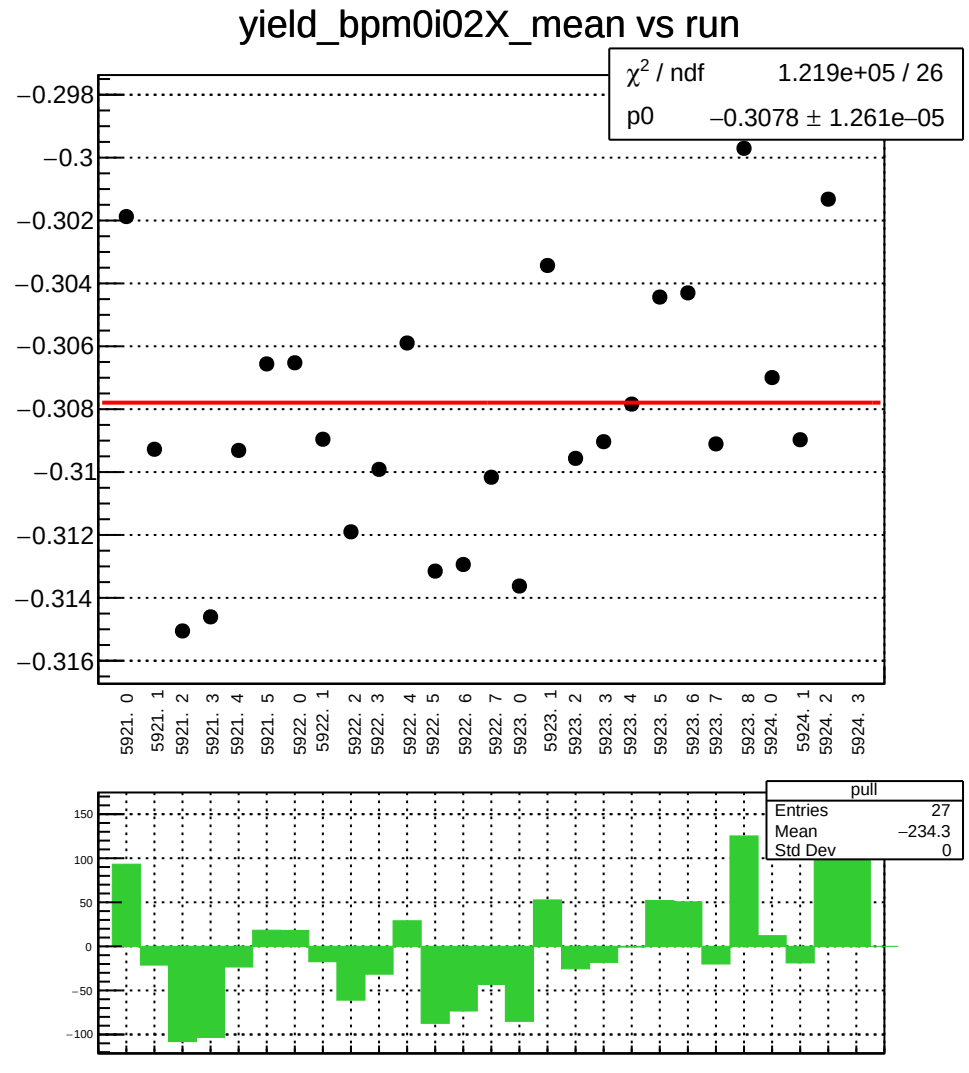

yield_bpm16X_rms vs run
χ² / ndf 1.553e+05 / 26
p0 0.01068 ± 1.775e−05
0.1
0.08
0.06
0.04
0.02
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

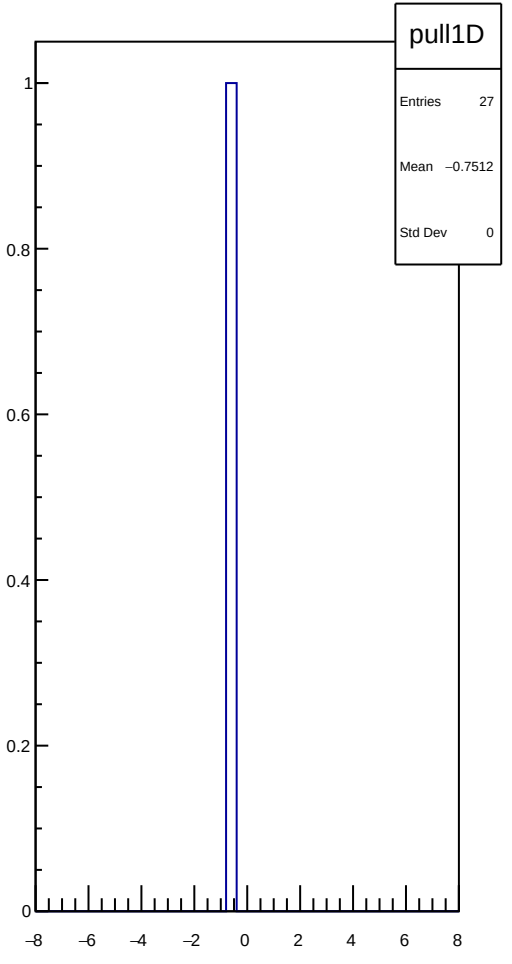

yield_bpm16Y_mean vs run
χ² / ndf 2.112e+04 / 26
p0 −0.2272 ± 1.008e−05
−0.216
−0.218
−0.22
−0.222
−0.224
−0.226
−0.228
−0.23
−0.232
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

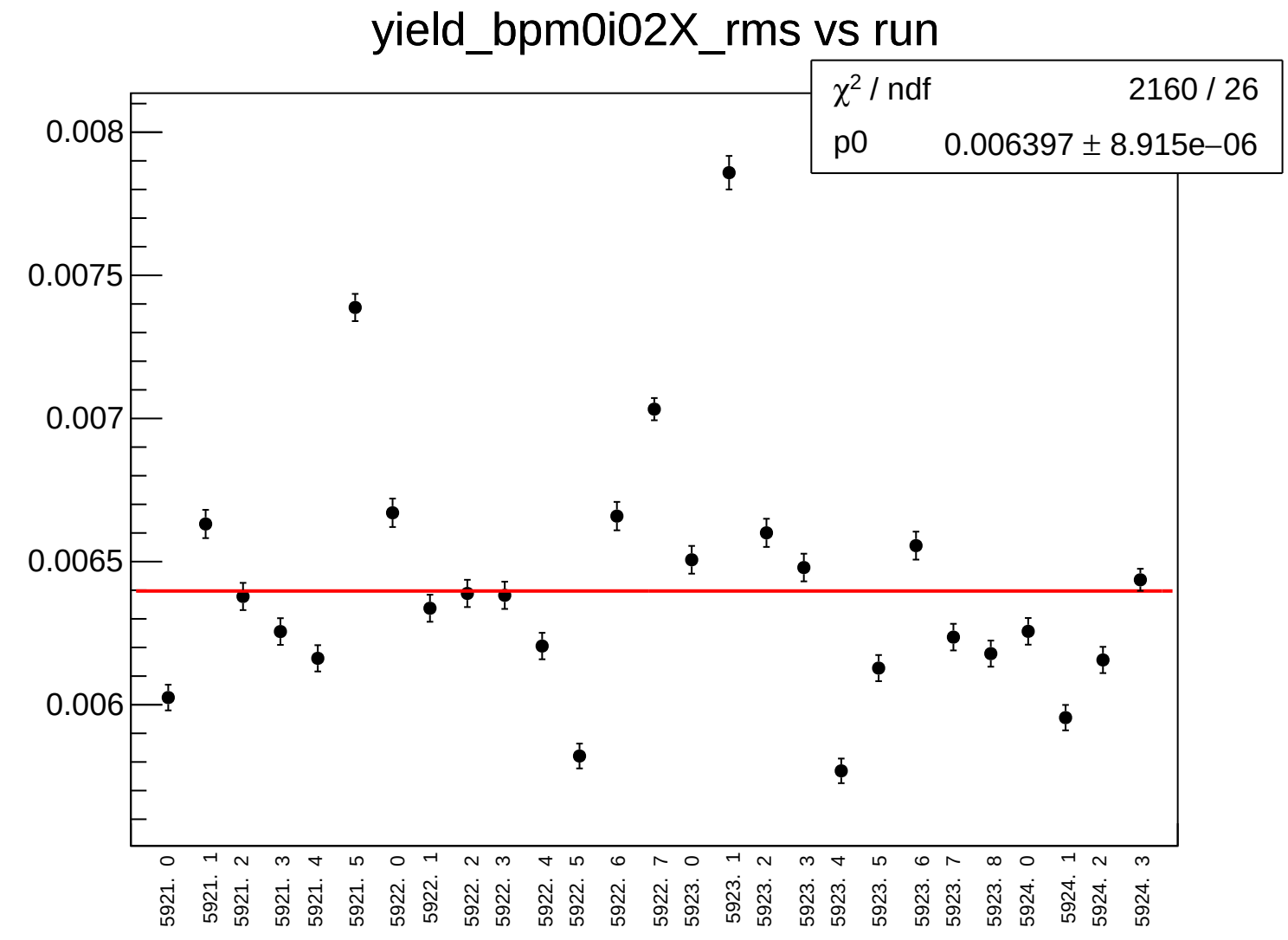

pull
Entries 27
Mean 6.686
Std Dev 13.12
80
60
40
20
0
−20
−40

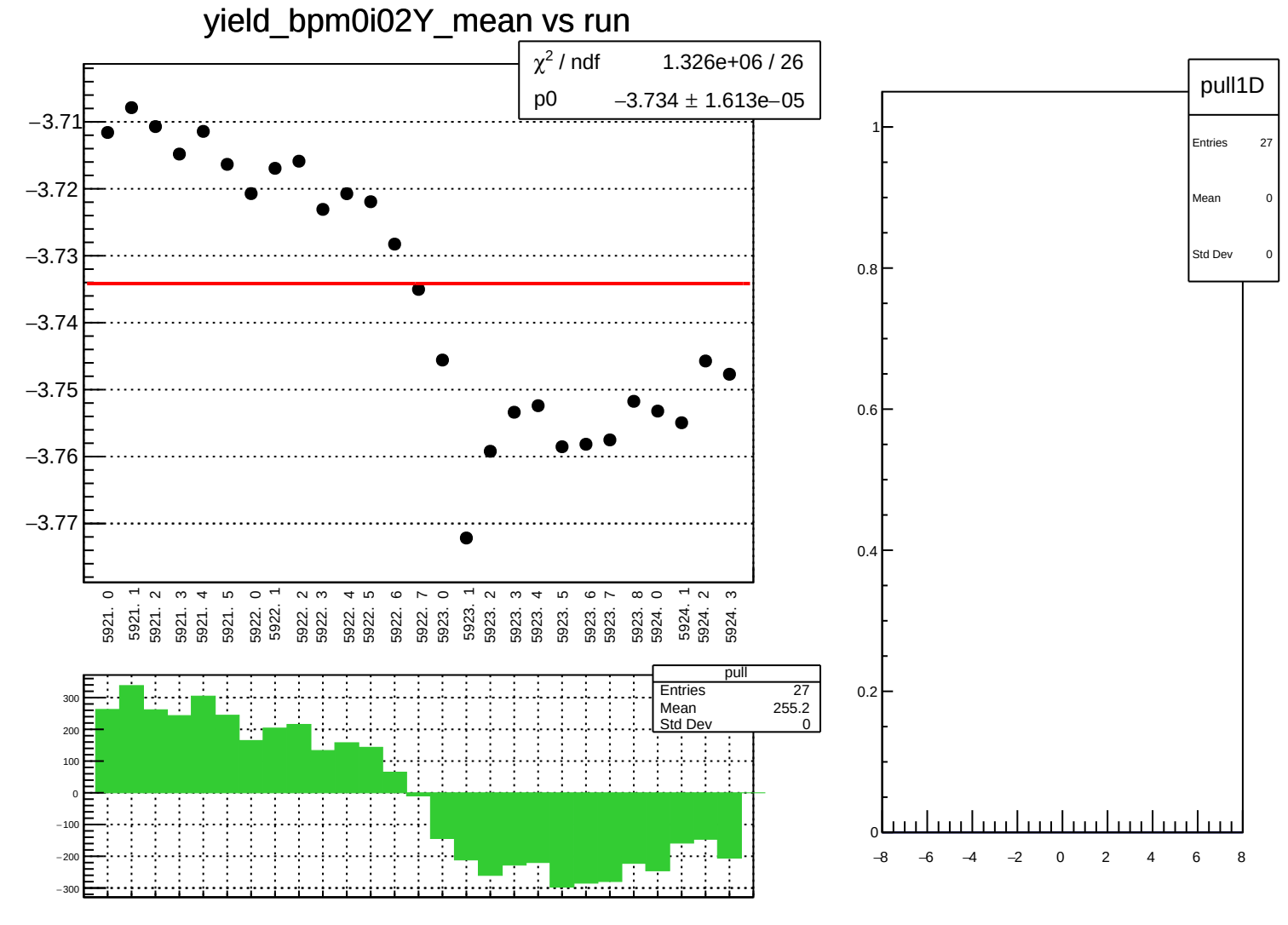

pull1D
Entries 27
Mean −0.9084
Std Dev 4.259
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

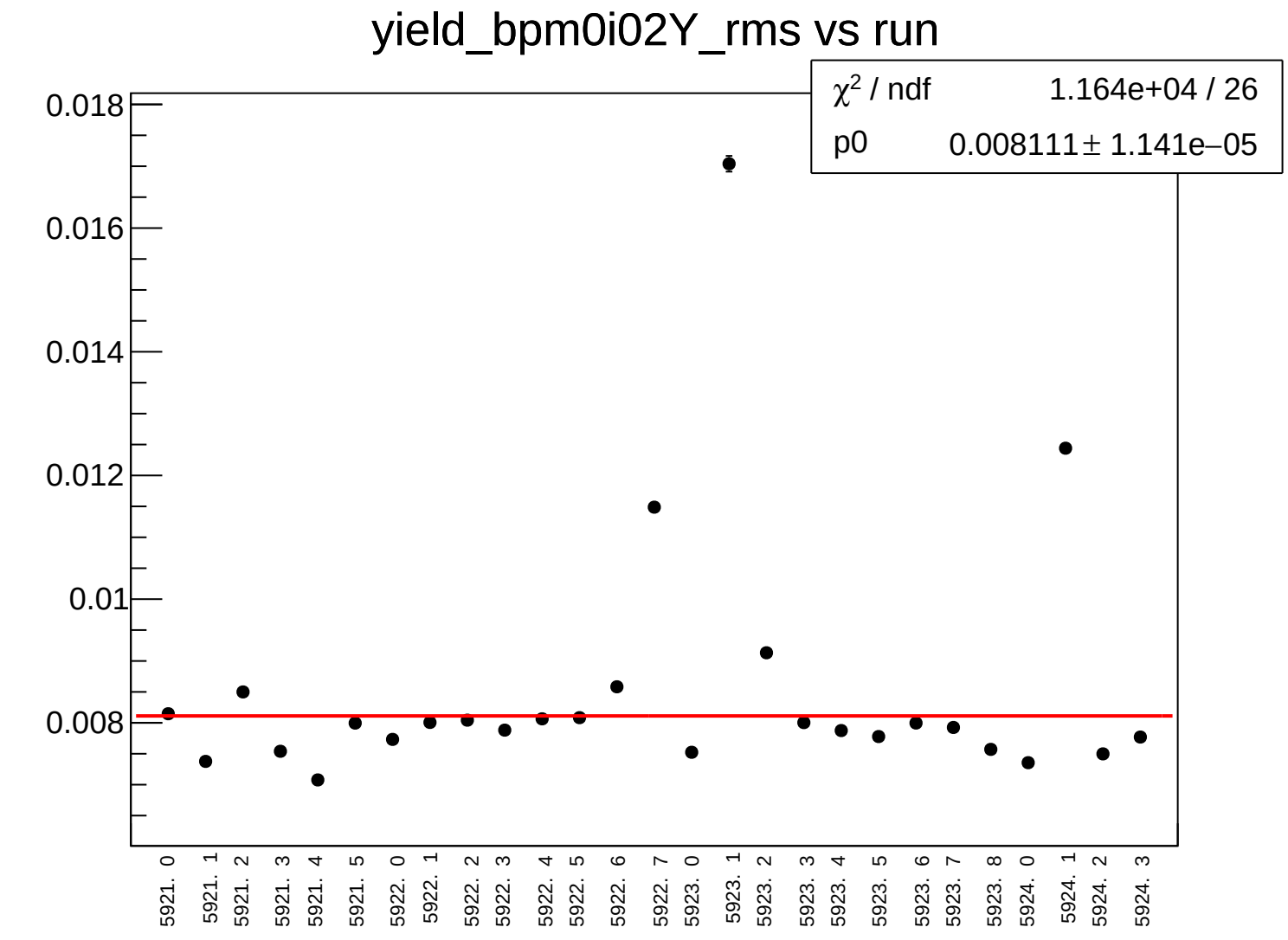

yield_bpm16Y_rms vs run
χ² / ndf 4.128e+04 / 26
p0 0.004916 ± 7.126e−06
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

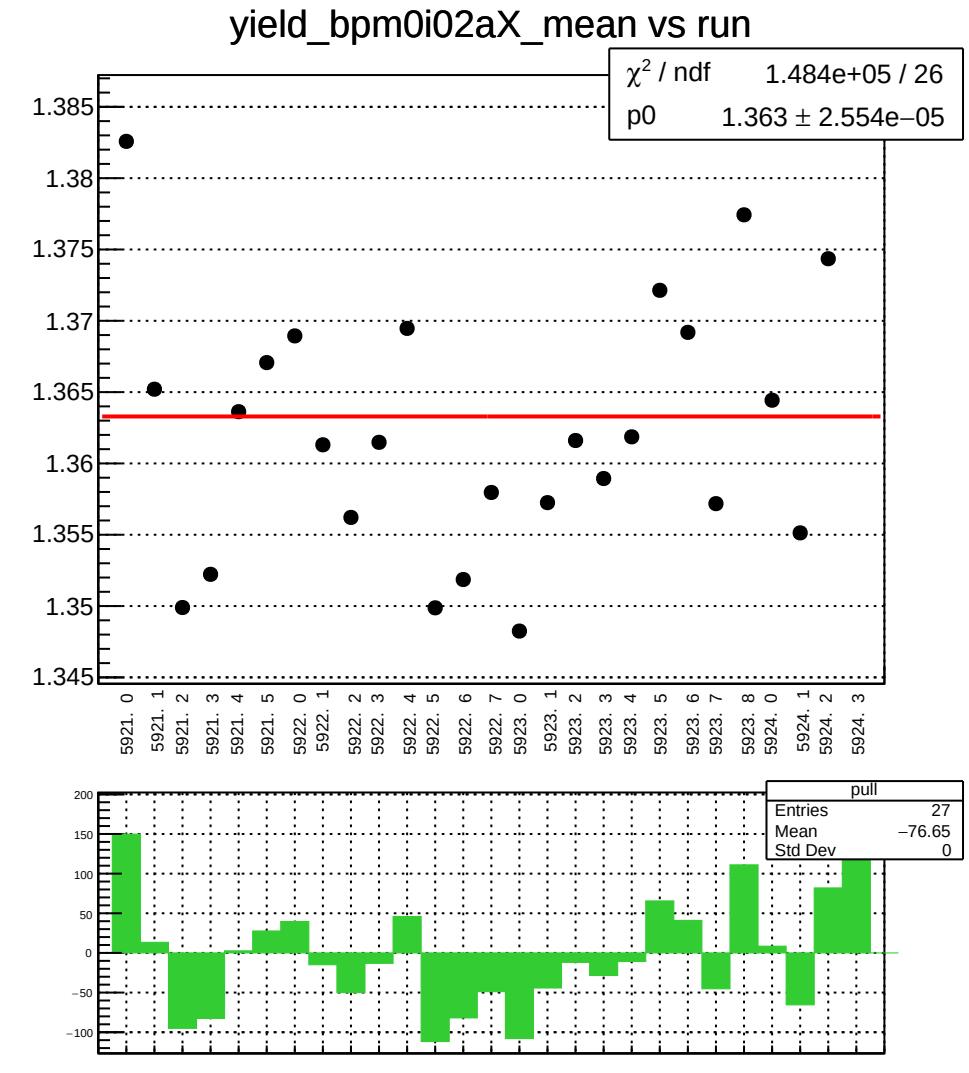

yield_bpm0i02X_mean vs run
χ² / ndf 1.219e+05 / 26
p0 −0.3078 ± 1.261e−05
−0.298
−0.3
−0.302
−0.304
−0.306
−0.308
−0.31
−0.312
−0.314
−0.316
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −234.3
Std Dev 0
150
100
50
0
−50
−100

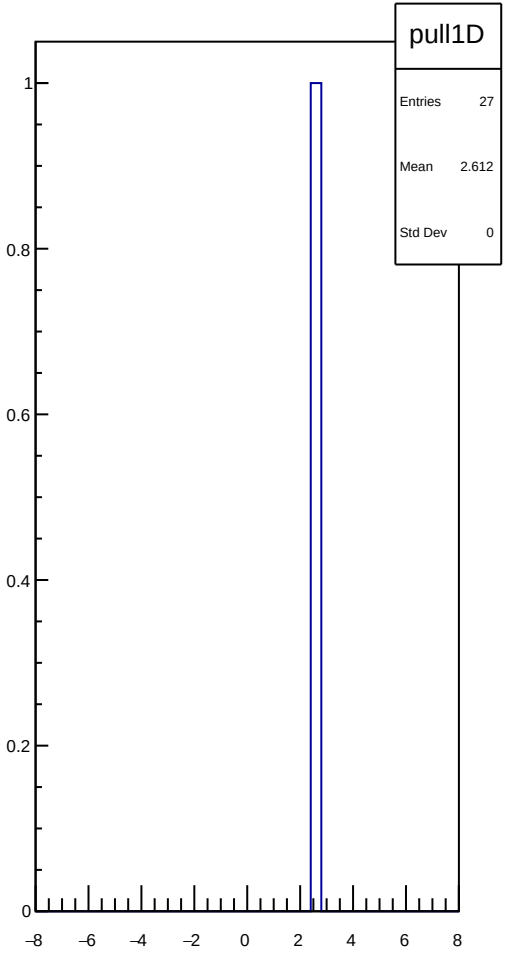

pull1D
Entries 27
Mean −0.7512
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

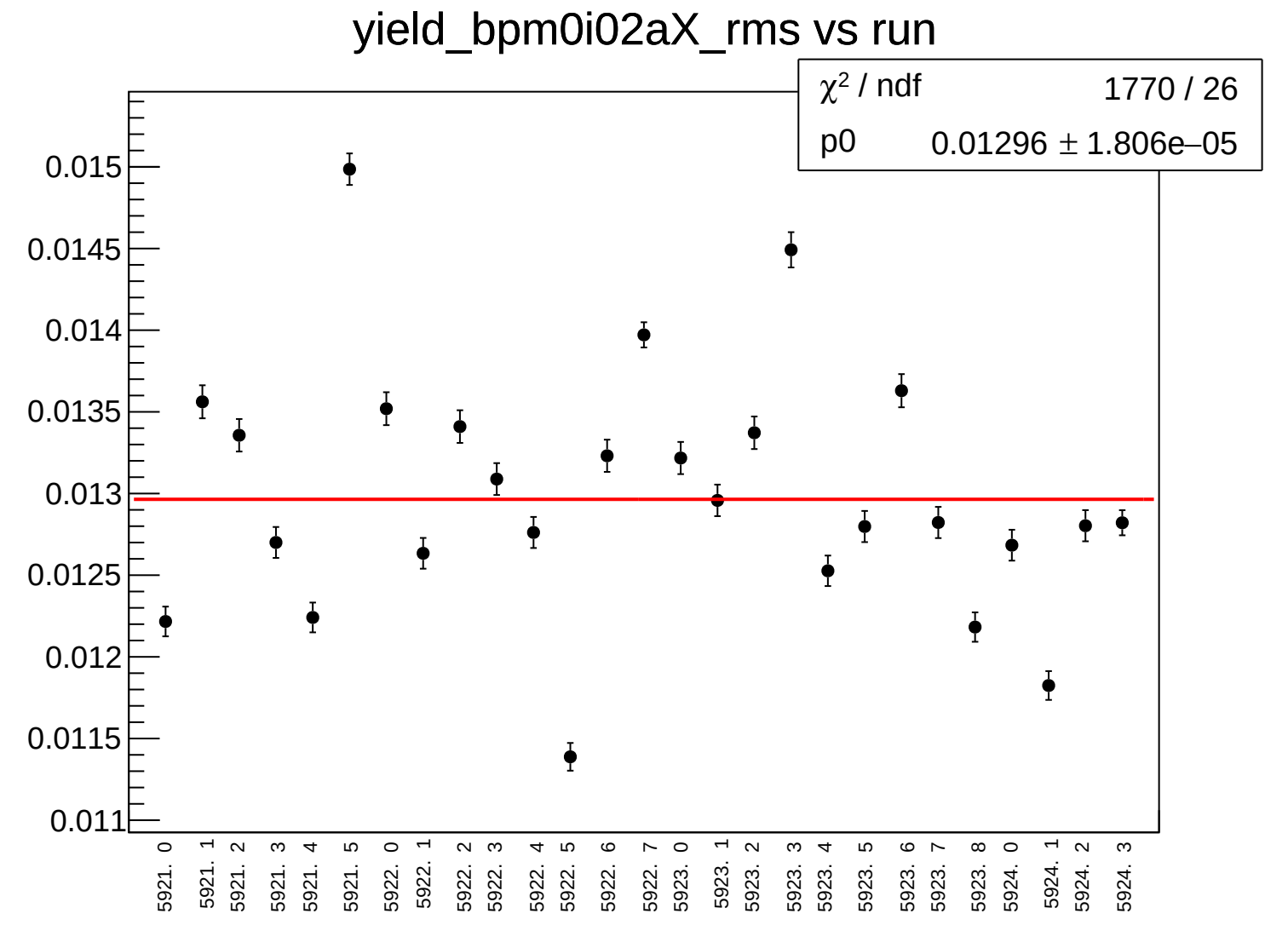

yield_bpm0i02X_rms vs run
χ² / ndf 2160 / 26
p0 0.006397 ± 8.915e−06
0.008
0.0075
0.007
0.0065
0.006
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

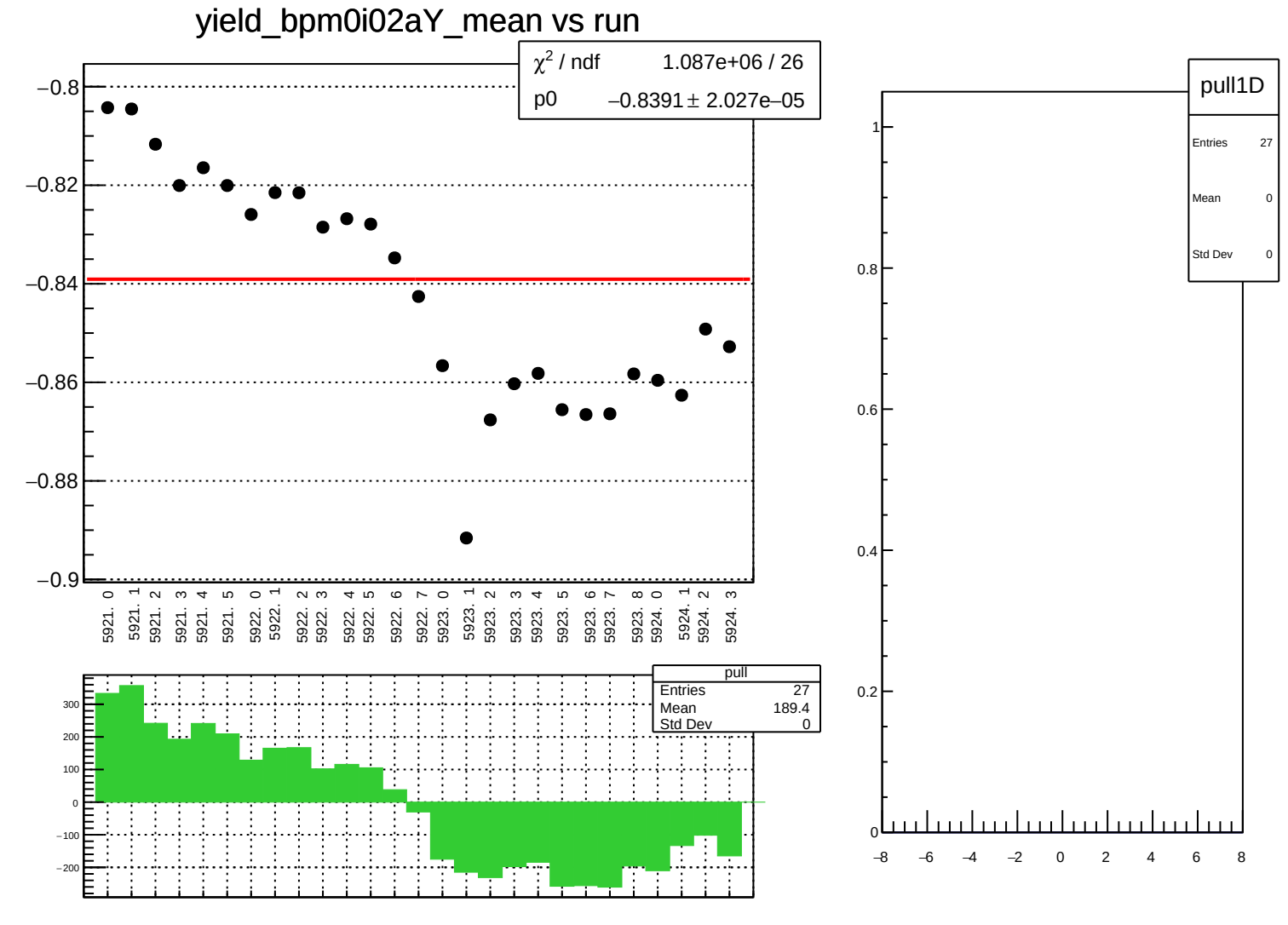

yield_bpm0i02Y_mean vs run
χ² / ndf 1.326e+06 / 26
p0 −3.734 ± 1.613e−05
−3.71
−3.72
−3.73
−3.74
−3.75
−3.76
−3.77
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 255.2
Std Dev 0
300
200
100
0
−100
−200
−300
pull1D
Entries 27
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

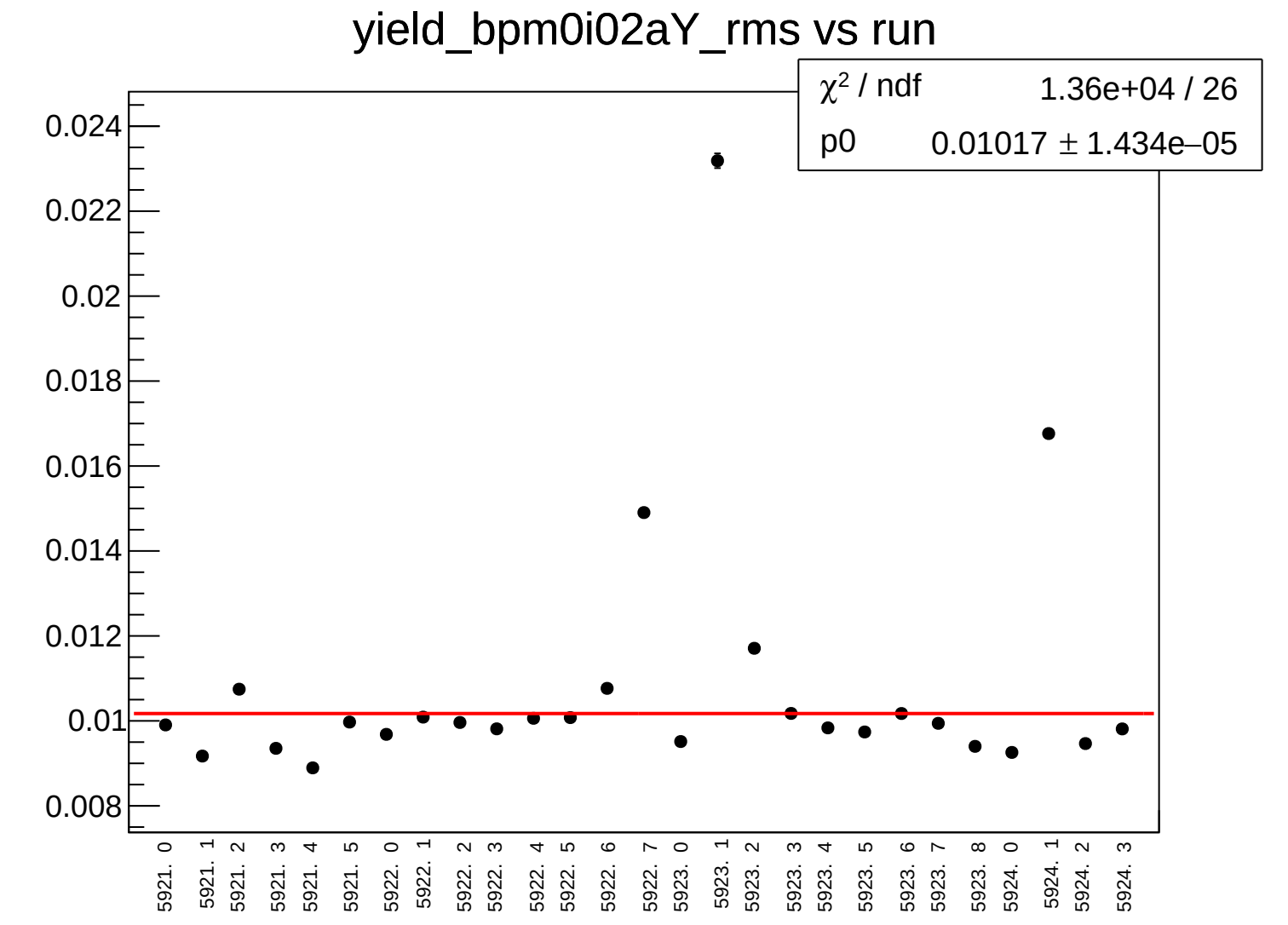

yield_bpm0i02Y_rms vs run
χ² / ndf 1.164e+04 / 26
p0 0.008111 ± 1.141e−05
0.018
0.016
0.014
0.012
0.01
0.008
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

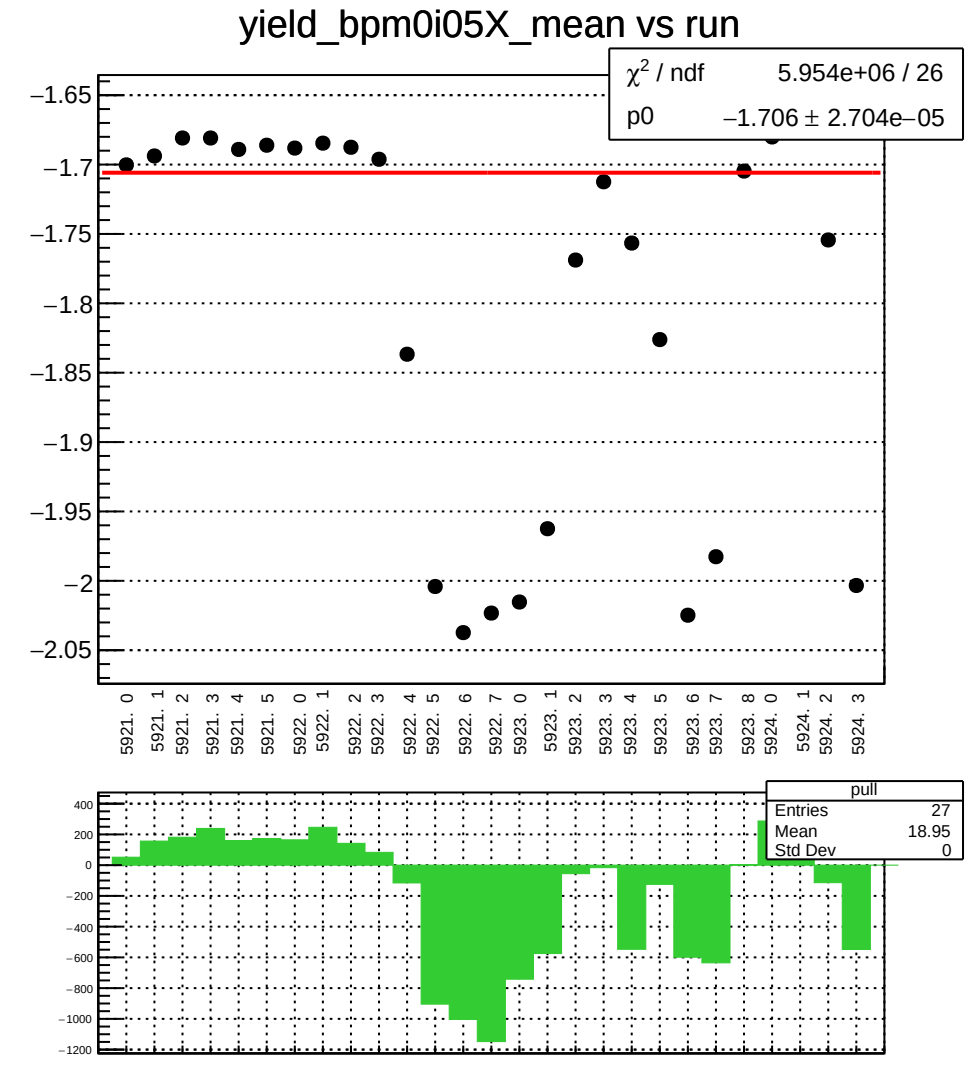

yield_bpm0i02aX_mean vs run
χ² / ndf 1.484e+05 / 26
p0 1.363 ± 2.554e−05
1.385
1.38
1.375
1.37
1.365
1.36
1.355
1.35
1.345
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −76.65
Std Dev 0
200
150
100
50
0
−50
−100

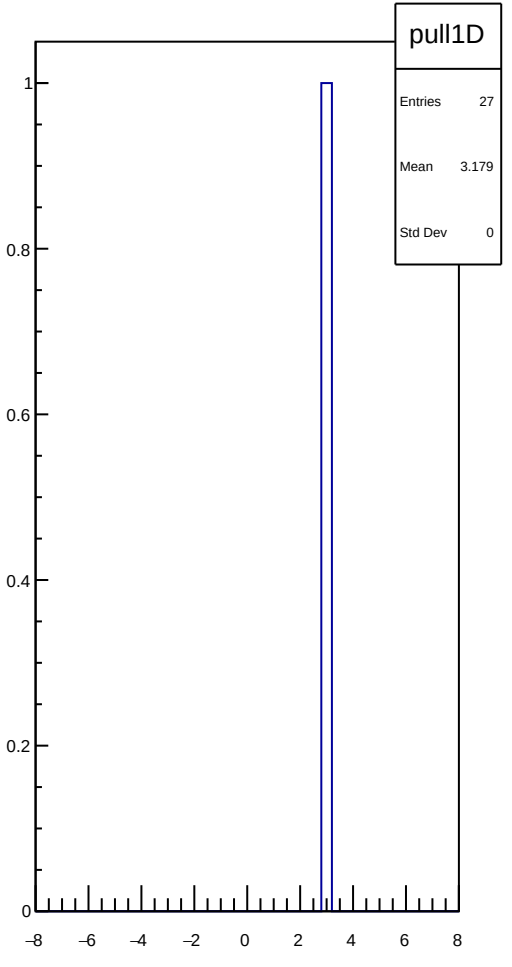

pull1D
Entries 27
Mean 2.612
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

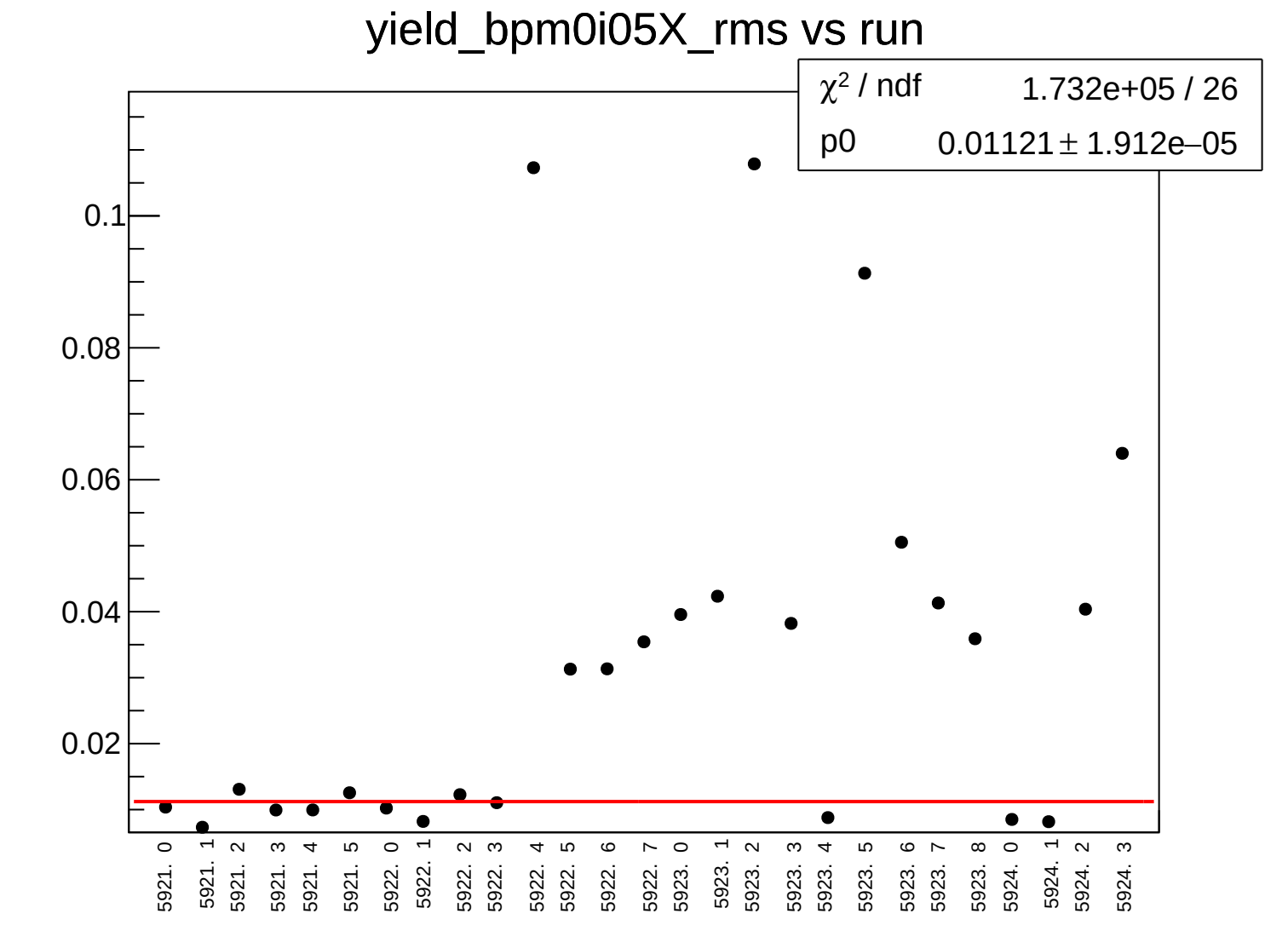

yield_bpm0i02aX_rms vs run
χ² / ndf 1770 / 26
p0 0.01296 ± 1.806e–05
0.015
0.0145
0.014
0.0135
0.013
0.0125
0.012
0.0115
0.011
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

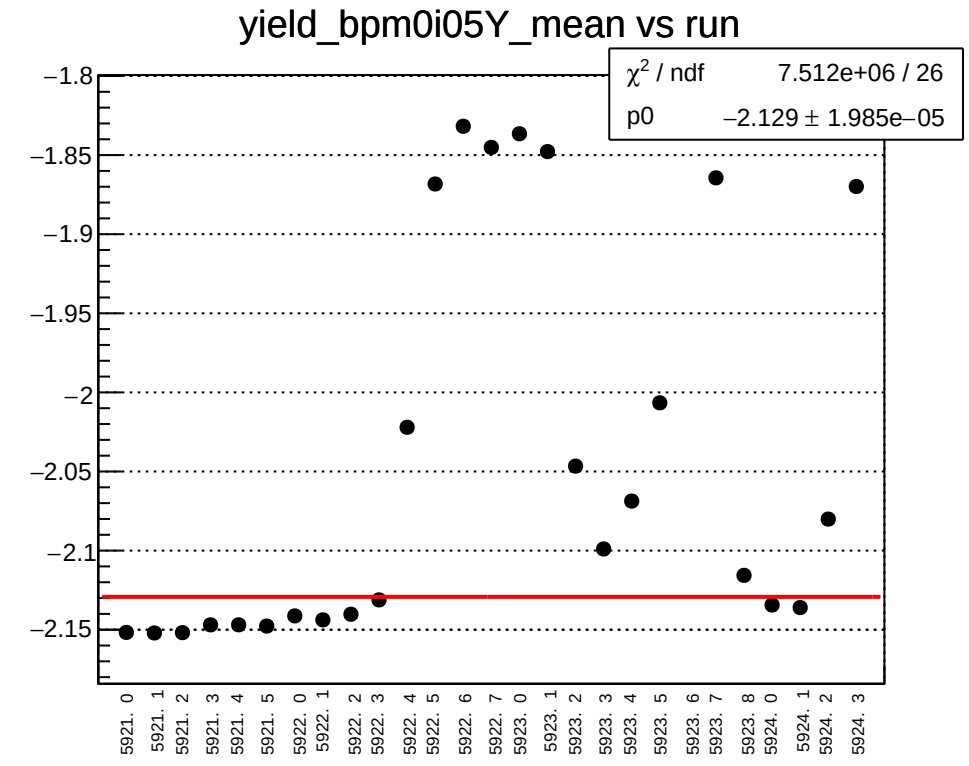

yield_bpm0i02aY_mean vs run
χ² / ndf 1.087e+06 / 26
p0 −0.8391 ± 2.027e−05
−0.8
−0.82
−0.84
−0.86
−0.88
−0.9
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 189.4
Std Dev 0
300
200
100
0
−100
−200
pull1D
Entries 27
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

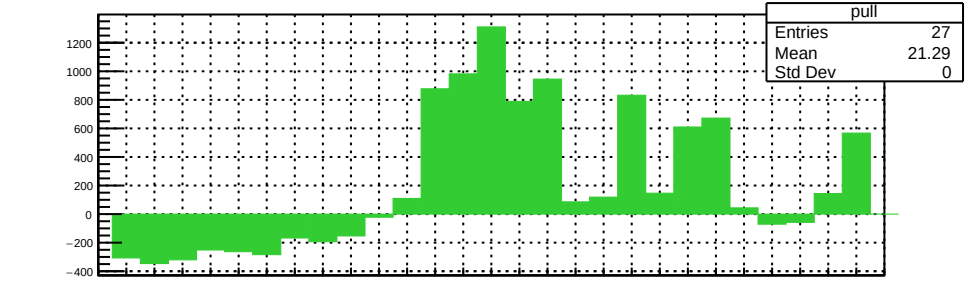

yield_bpm0i02aY_rms vs run
χ² / ndf 1.36e+04 / 26
p0 0.01017 ± 1.434e−05
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

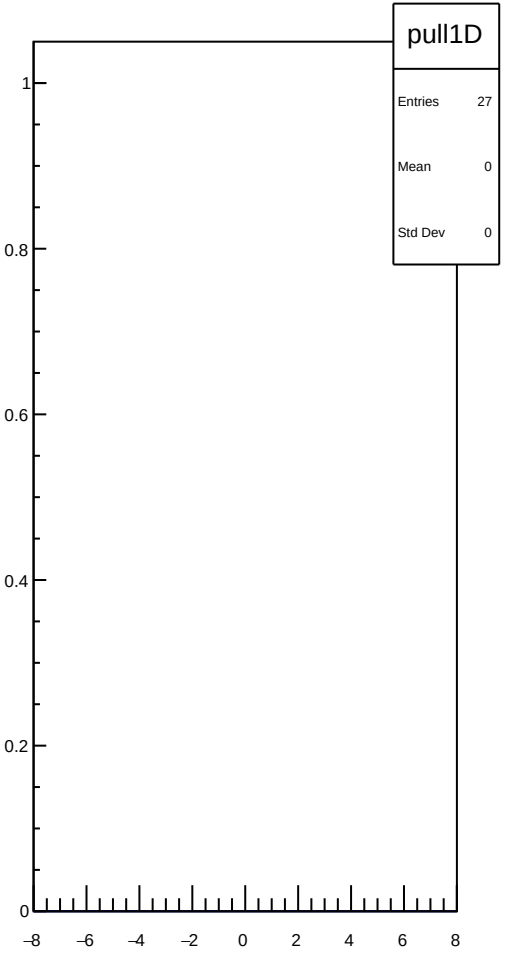

yield_bpm0i05X_mean vs run
χ² / ndf 5.954e+06 / 26
p0 −1.706 ± 2.704e−05
−1.65
−1.7
−1.75
−1.8
−1.85
−1.9
−1.95
−2
−2.05
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 18.95
Std Dev 0
400
200
0
−200
−400
−600
−800
−1000
−1200

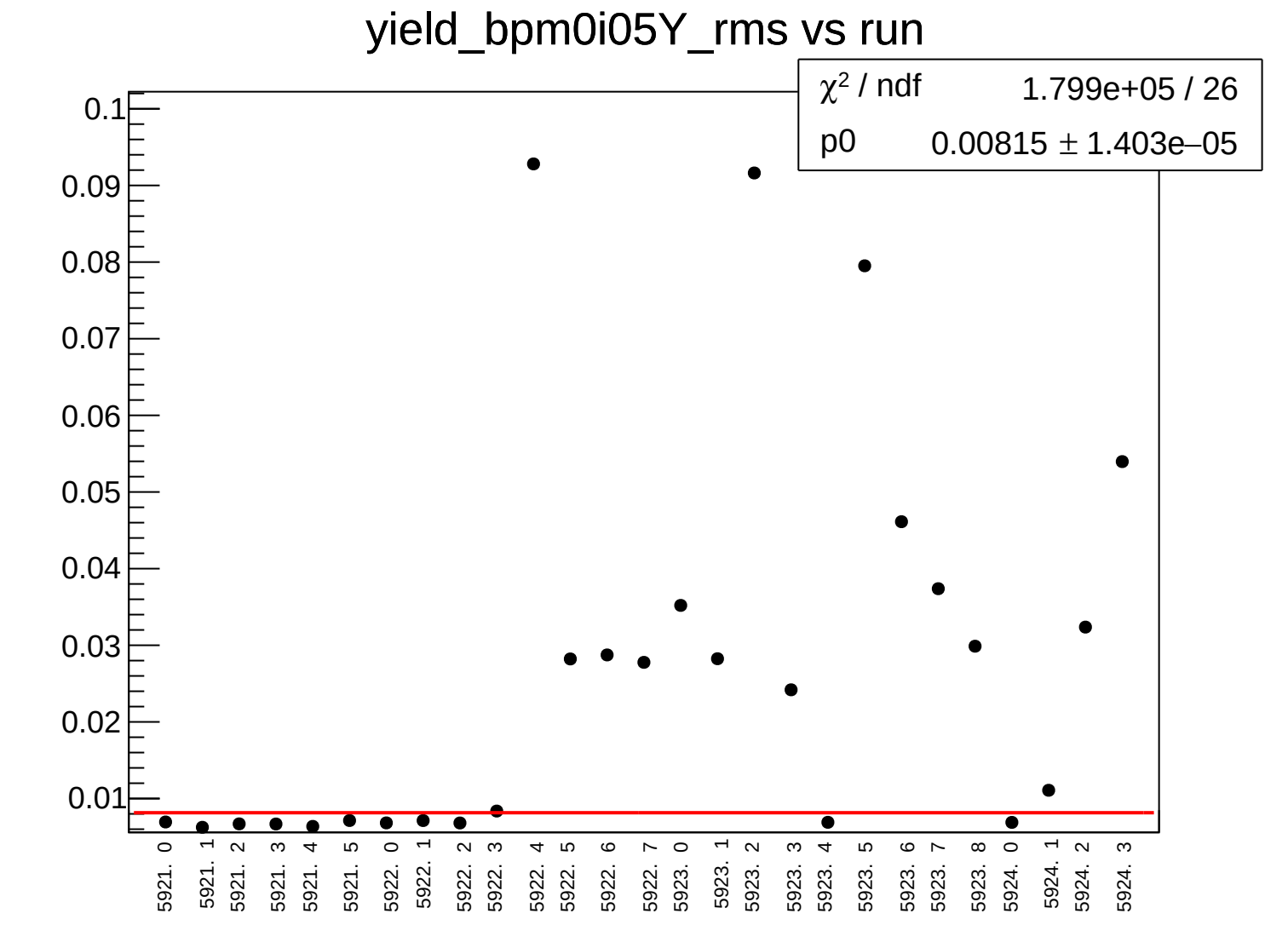

pull1D
Entries 27
Mean 3.179
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

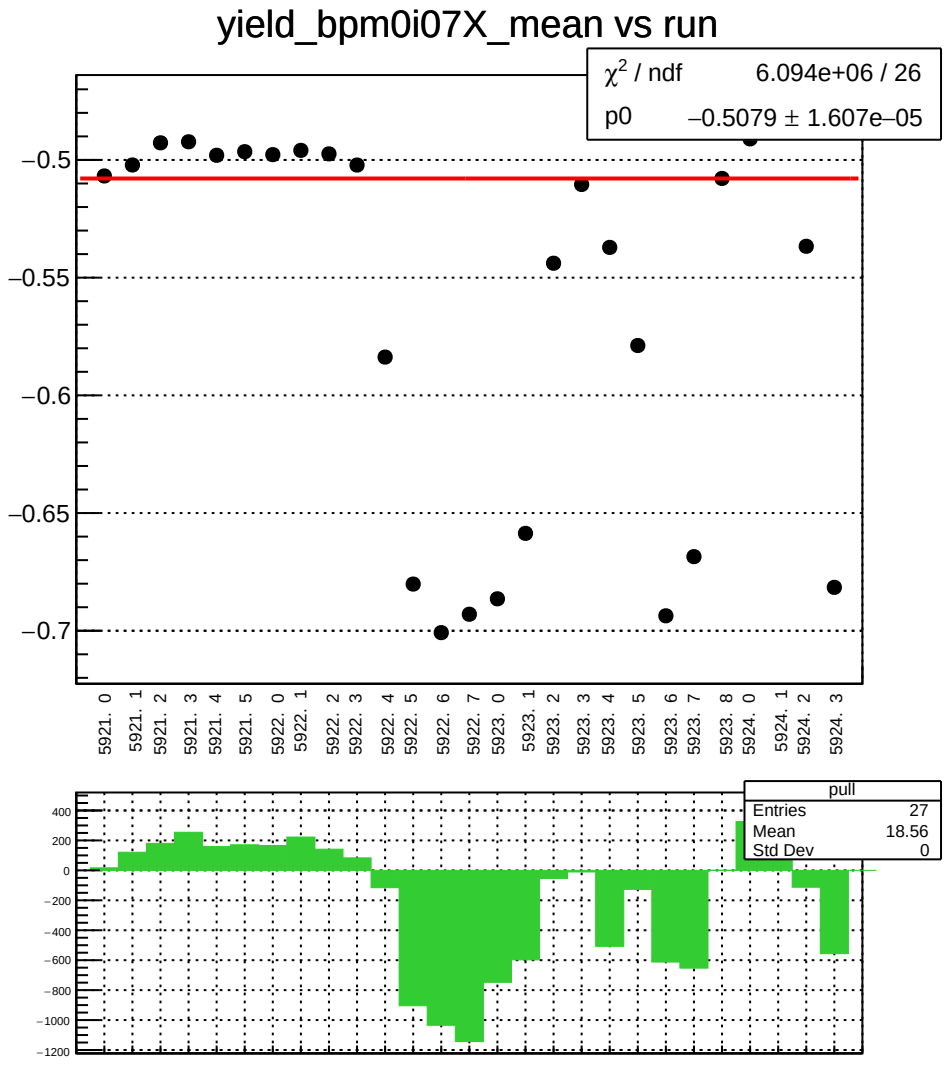

yield_bpm0i05X_rms vs run
χ² / ndf 1.732e+05 / 26
p0 0.01121 ± 1.912e–05
0.1
0.08
0.06
0.04
0.02
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

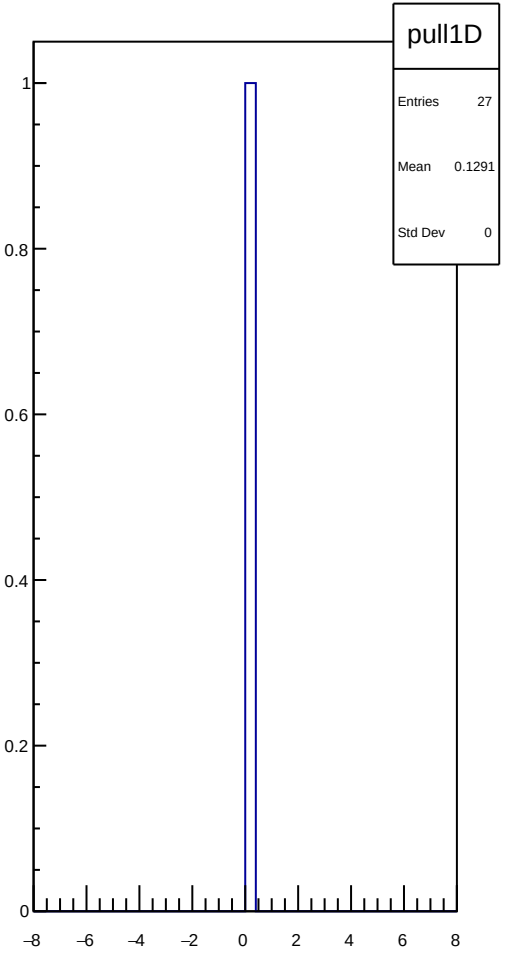

yield_bpm0i05Y_mean vs run
χ² / ndf 7.512e+06 / 26
p0 −2.129 ± 1.985e−05
−1.8
−1.85
−1.9
−1.95
−2
−2.05
−2.1
−2.15
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

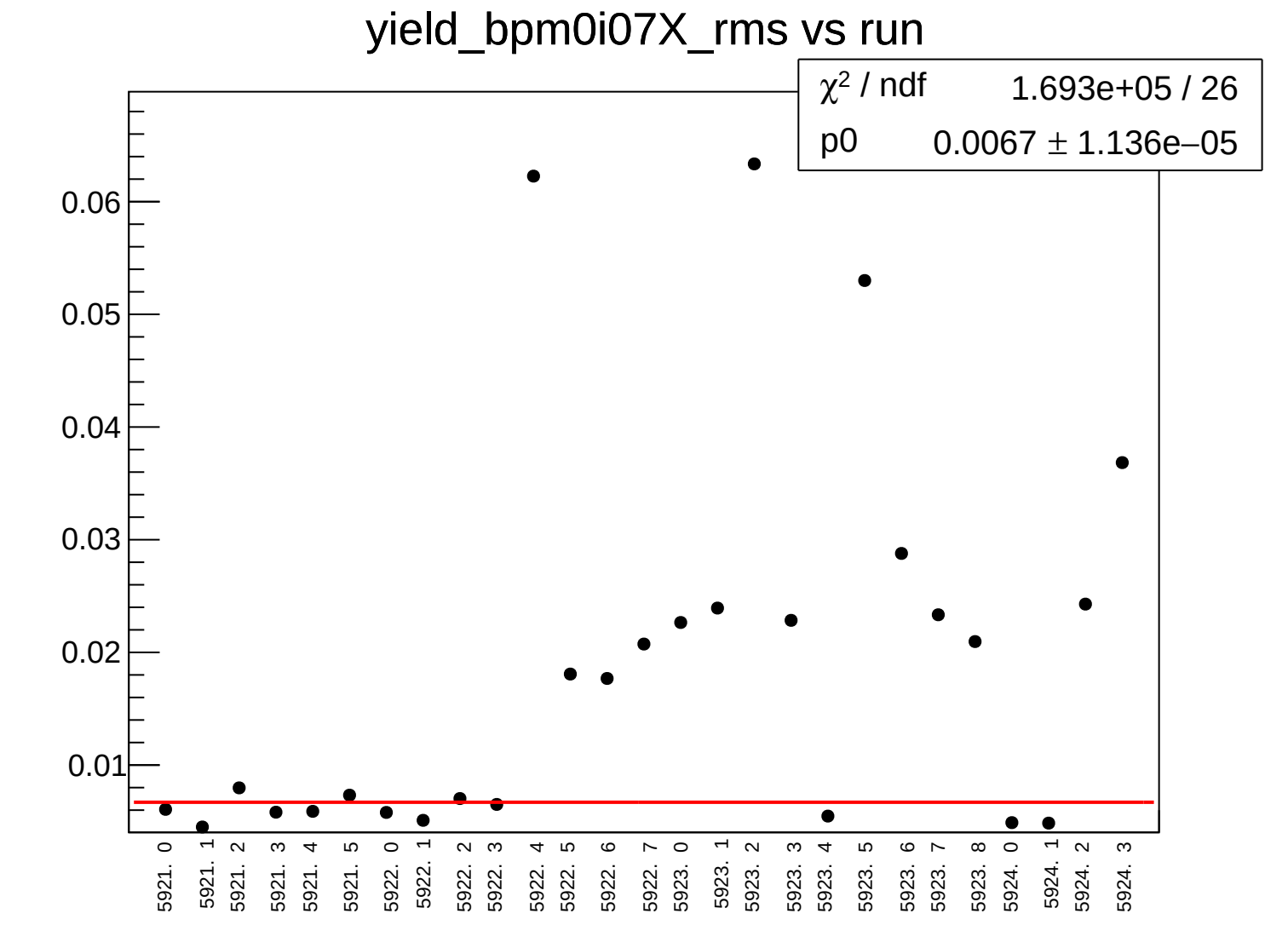

pull
Entries 27
Mean 21.29
Std Dev 0
1200
1000
800
600
400
200
0
−200
−400

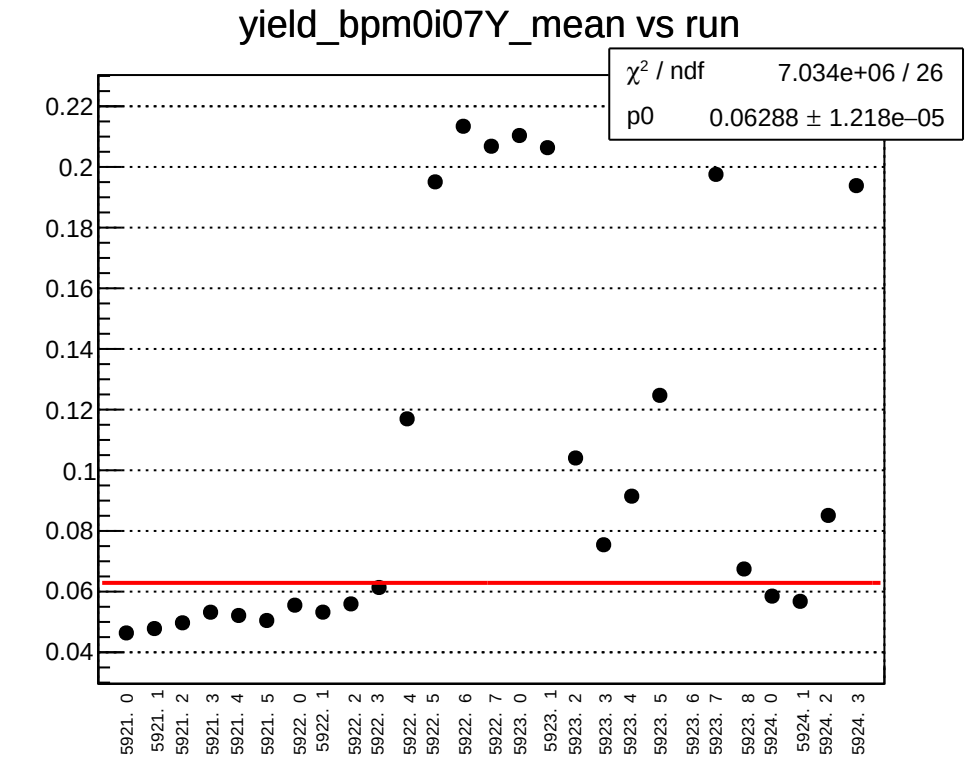

pull1D
Entries 27
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

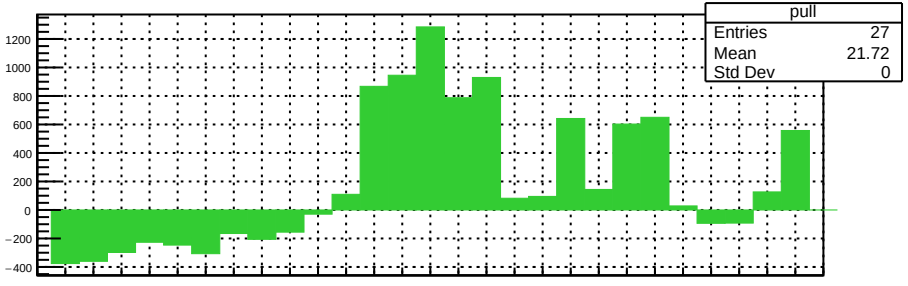

yield_bpm0i05Y_rms vs run
χ² / ndf 1.799e+05 / 26
p0 0.00815 ± 1.403e–05
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

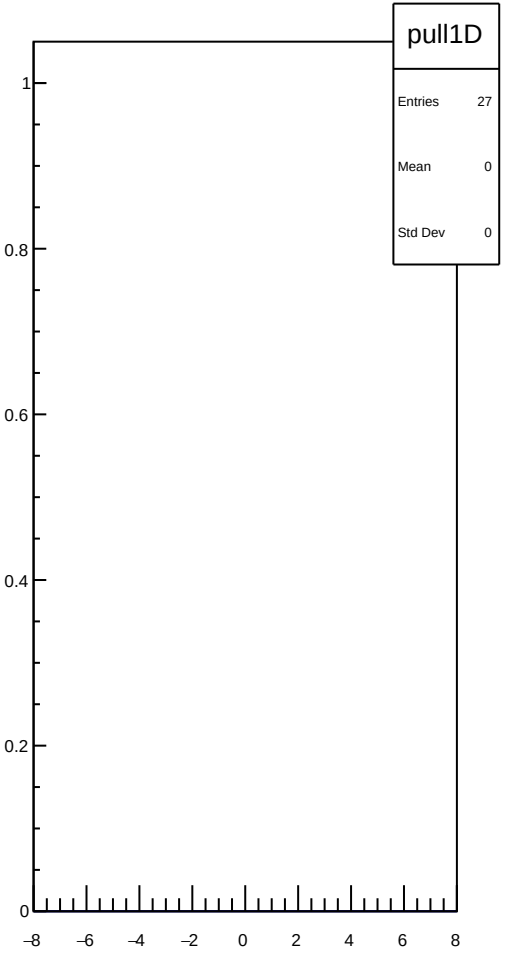

yield_bpm0i07X_mean vs run
χ² / ndf 6.094e+06 / 26
p0 −0.5079 ± 1.607e−05
−0.5
−0.55
−0.6
−0.65
−0.7
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 18.56
Std Dev 0
400
200
0
−200
−400
−600
−800
−1000
−1200

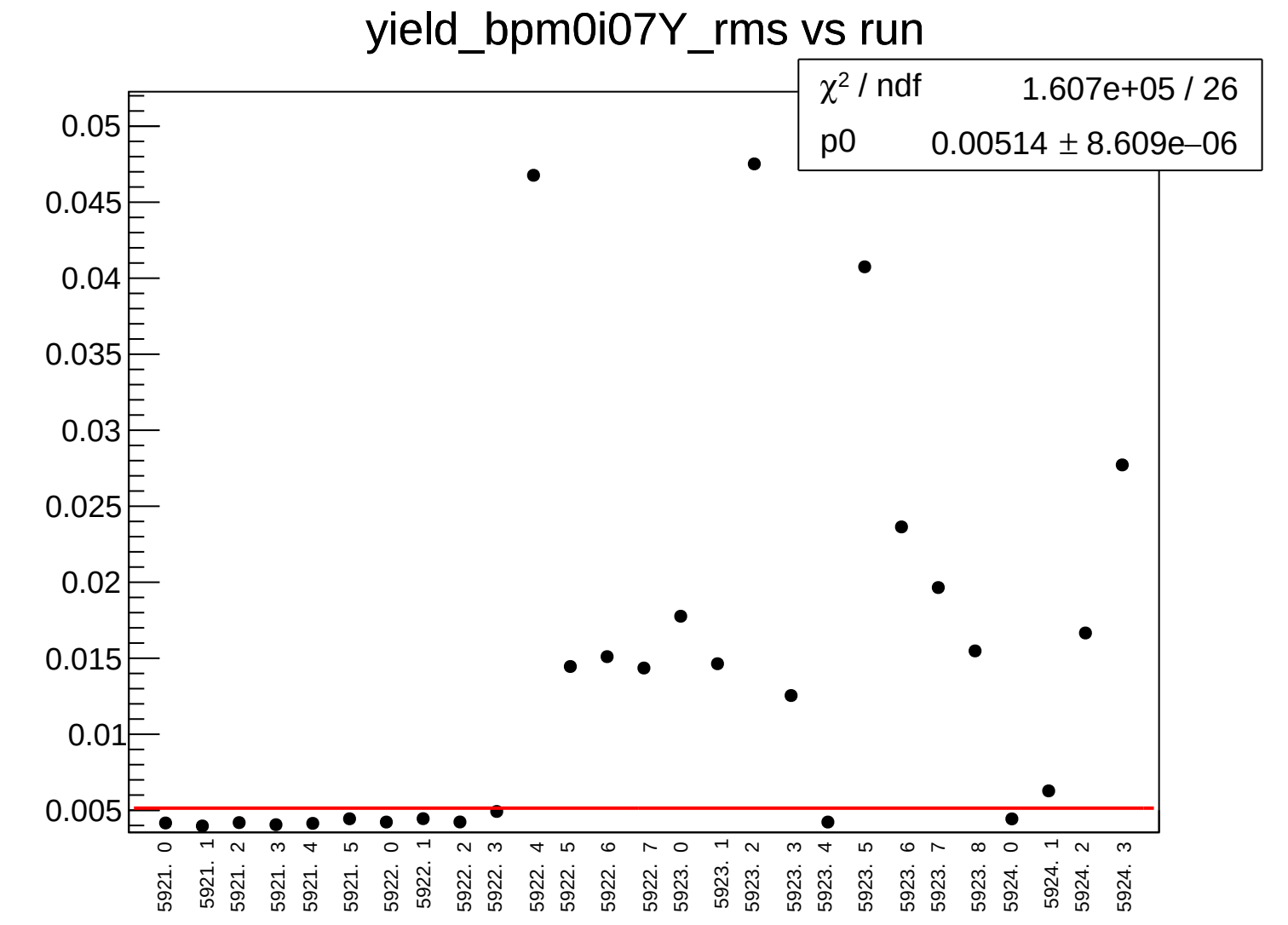

pull1D
Entries 27
Mean 0.1291
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

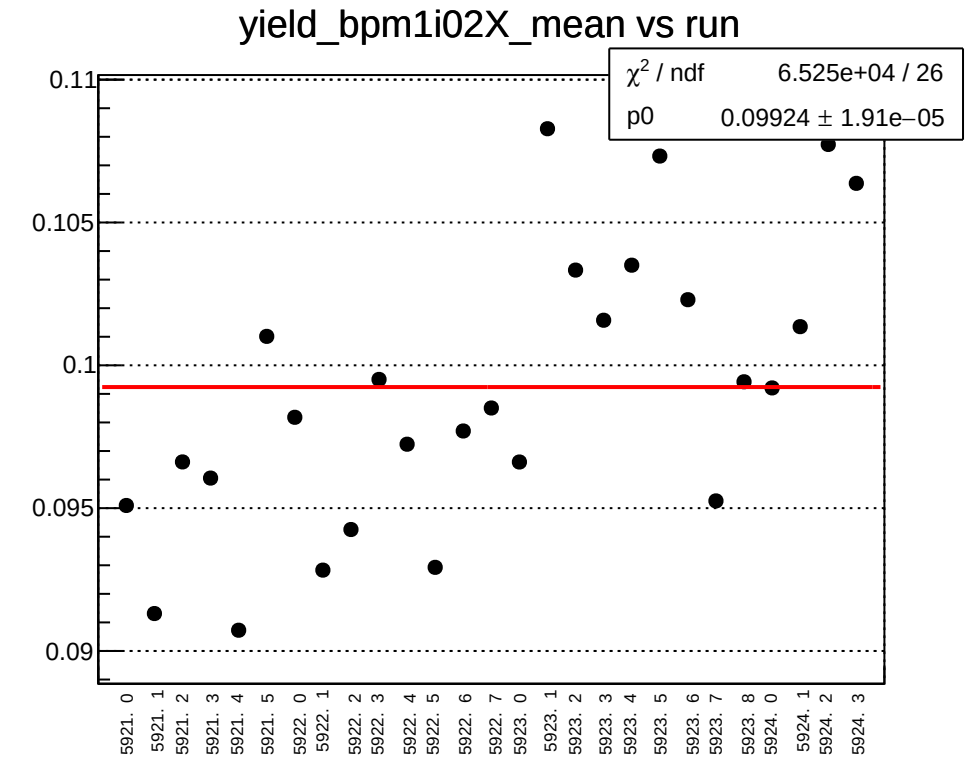

yield_bpm0i07X_rms vs run
χ² / ndf 1.693e+05 / 26
p0 0.0067 ± 1.136e−05
0.06
0.05
0.04
0.03
0.02
0.01
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

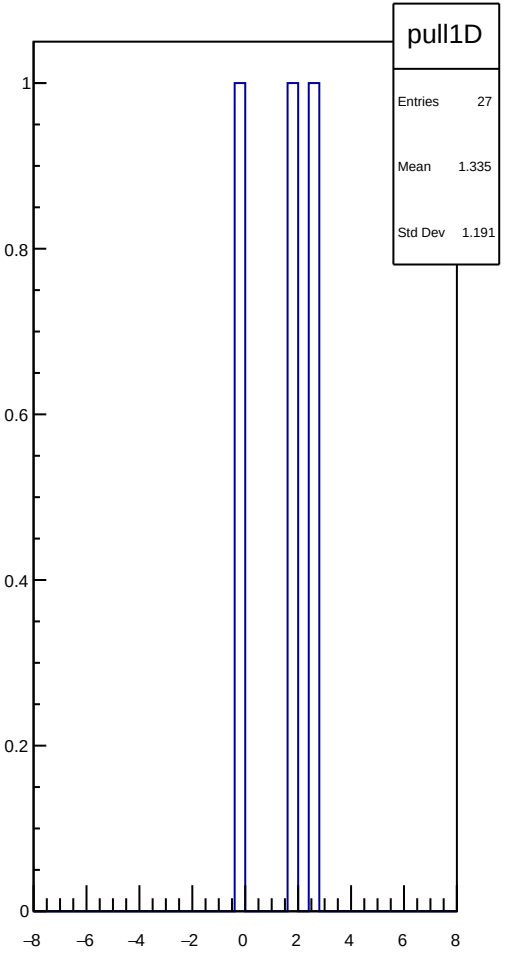

yield_bpm0i07Y_mean vs run
χ² / ndf 7.034e+06 / 26
p0 0.06288 ± 1.218e−05
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

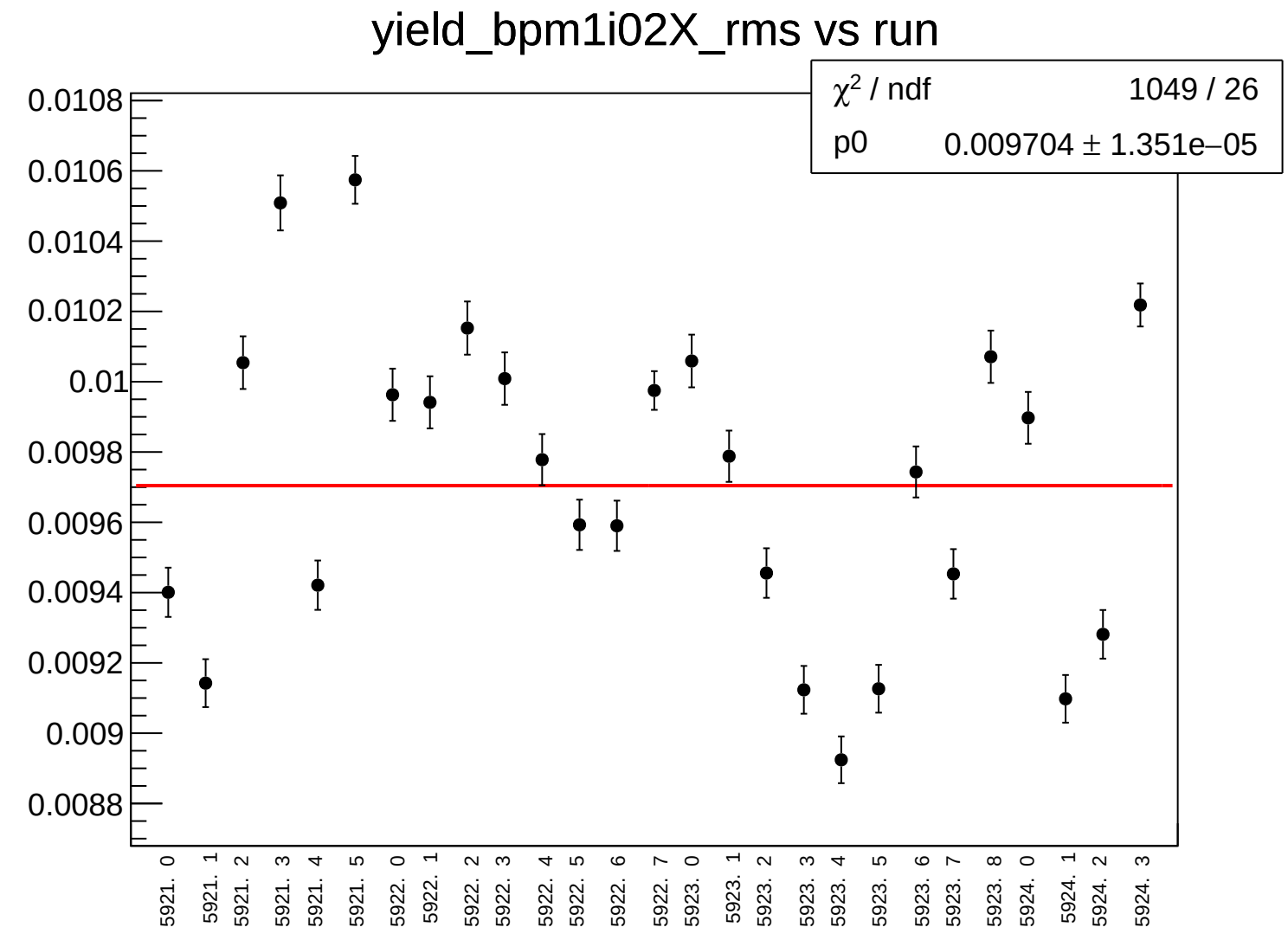

pull
Entries 27
Mean 21.72
Std Dev 0
1200
1000
800
600
400
200
0
−200
−400

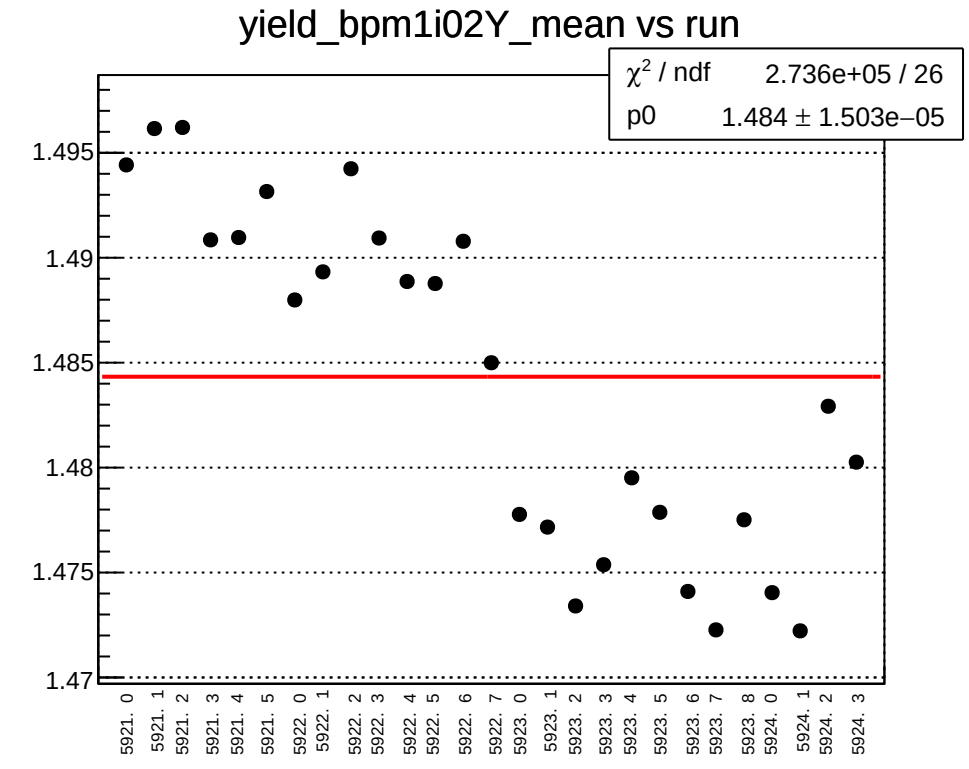

pull1D
Entries 27
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

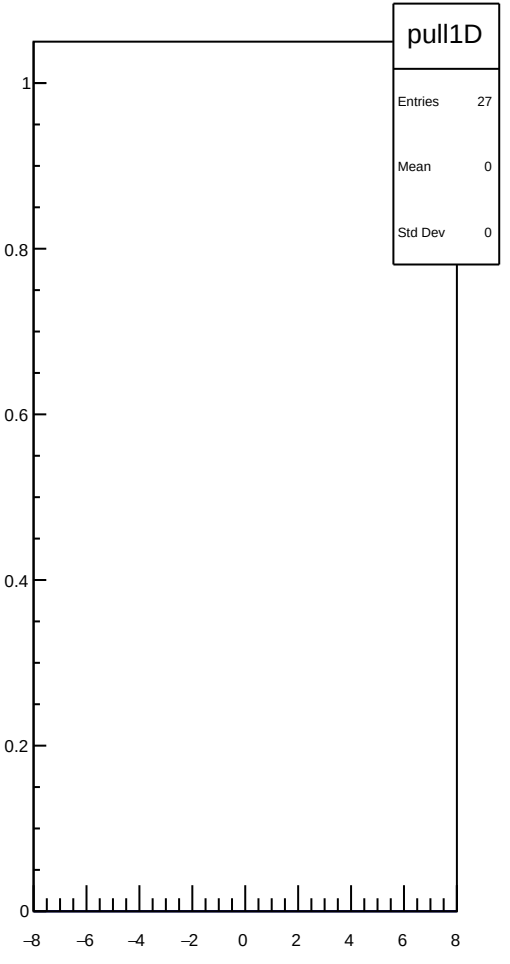

yield_bpm0i07Y_rms vs run
χ² / ndf 1.607e+05 / 26
p0 0.00514 ± 8.609e–06
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

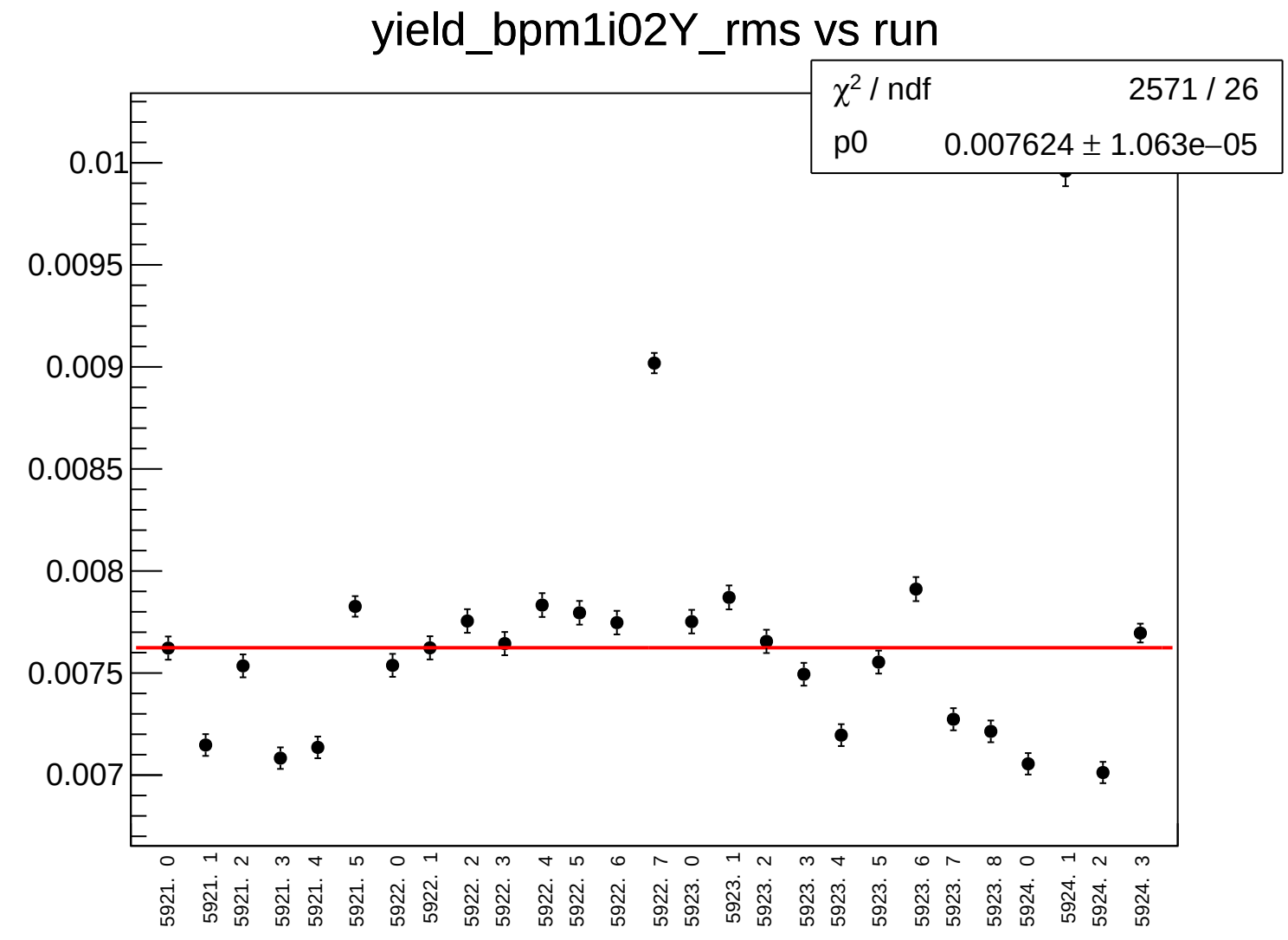

yield_bpm1i02X_mean vs run
χ² / ndf 6.525e+04 / 26
p0 0.09924 ± 1.91e−05
0.11
0.105
0.1
0.095
0.09
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −249
Std Dev 0
80
60
40
20
0
−20
−40
−60
−80

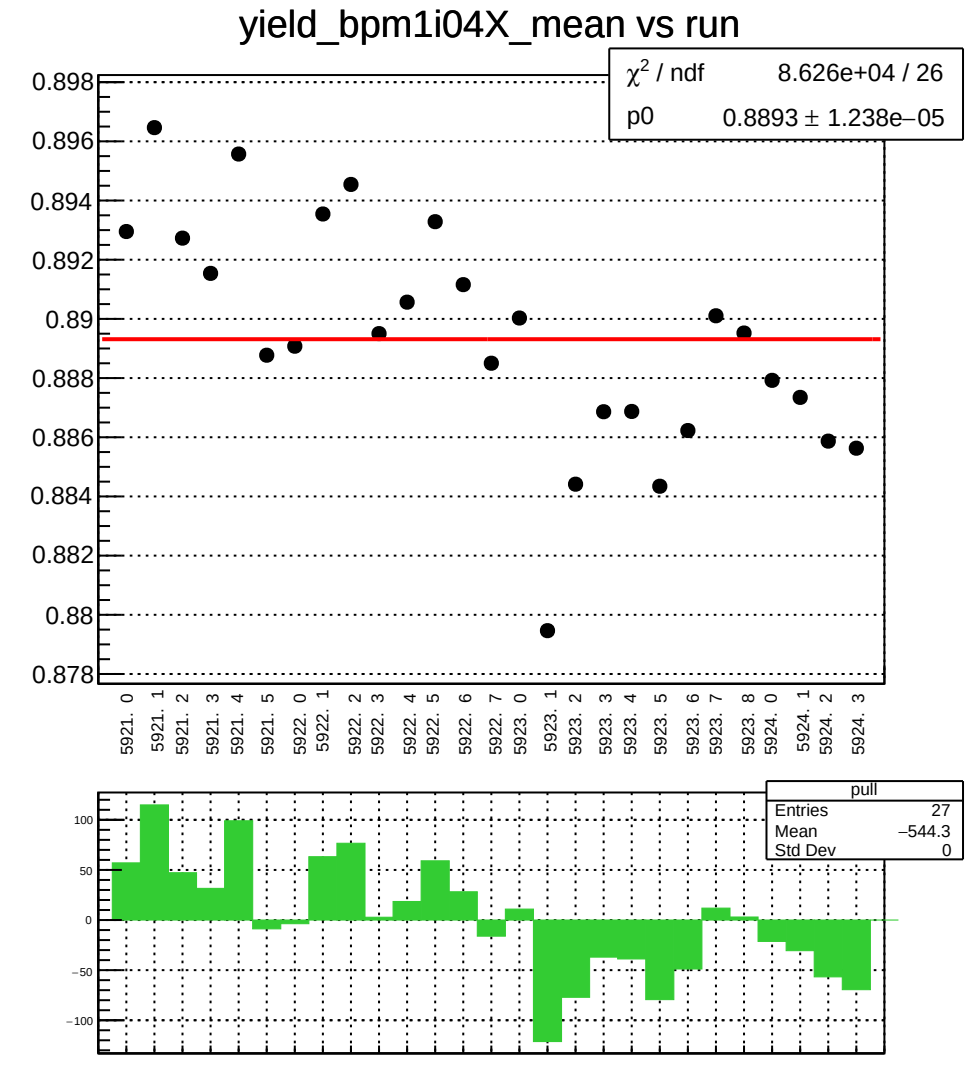

pull1D
Entries 27
Mean 1.335
Std Dev 1.191
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

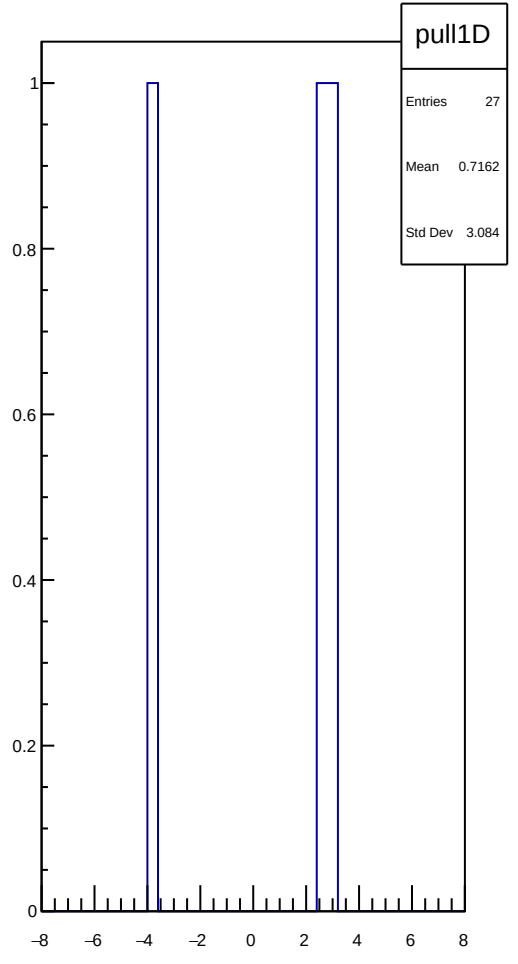

yield_bpm1i02X_rms vs run
χ² / ndf 1049 / 26
p0 0.009704 ± 1.351e−05
0.0108
0.0106
0.0104
0.0102
0.01
0.0098
0.0096
0.0094
0.0092
0.009
0.0088
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

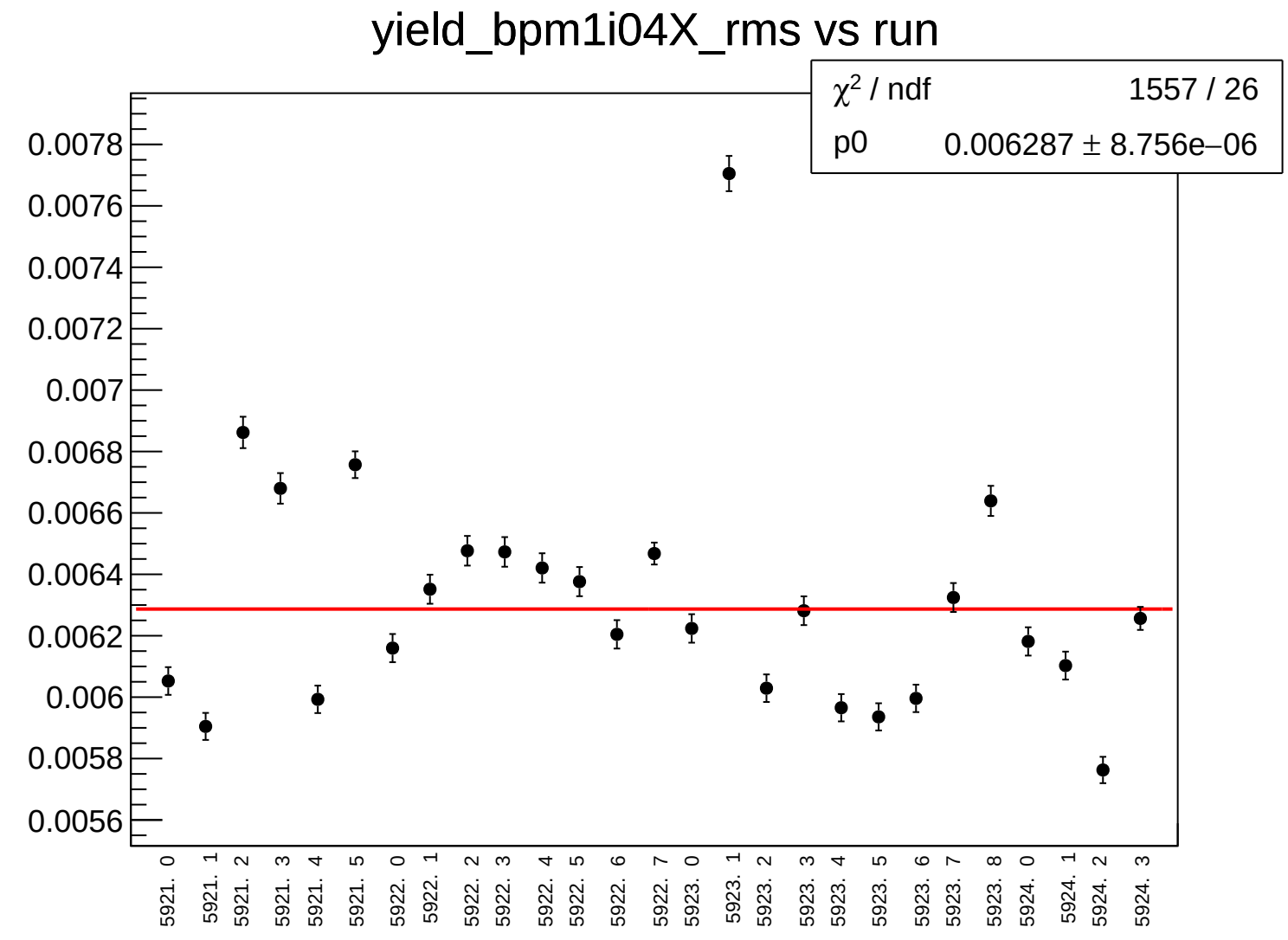

yield_bpm1i02Y_mean vs run
χ² / ndf 2.736e+05 / 26
p0 1.484 ± 1.503e−05
1.495
1.49
1.485
1.48
1.475
1.47
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 743.1
Std Dev 0
150
100
50
0
−50
−100
−150

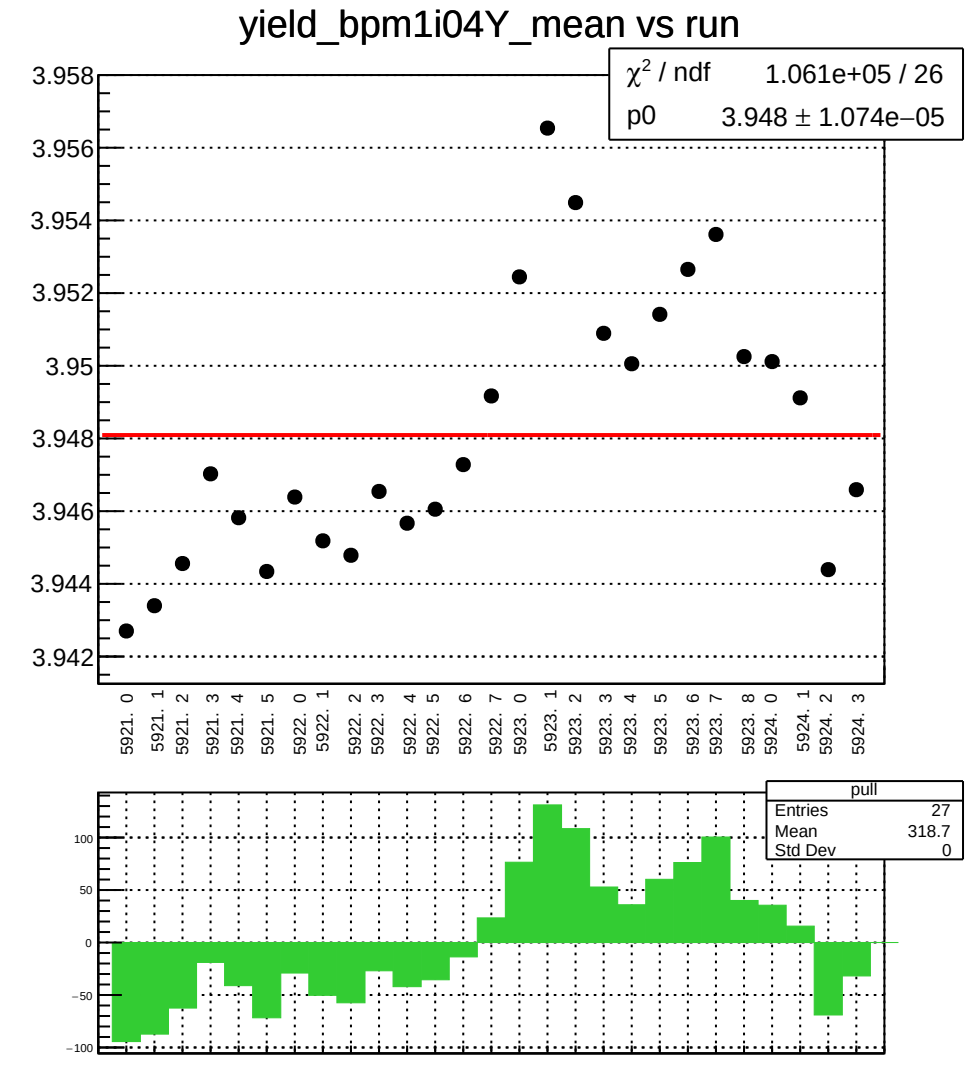

pull1D
Entries 27
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

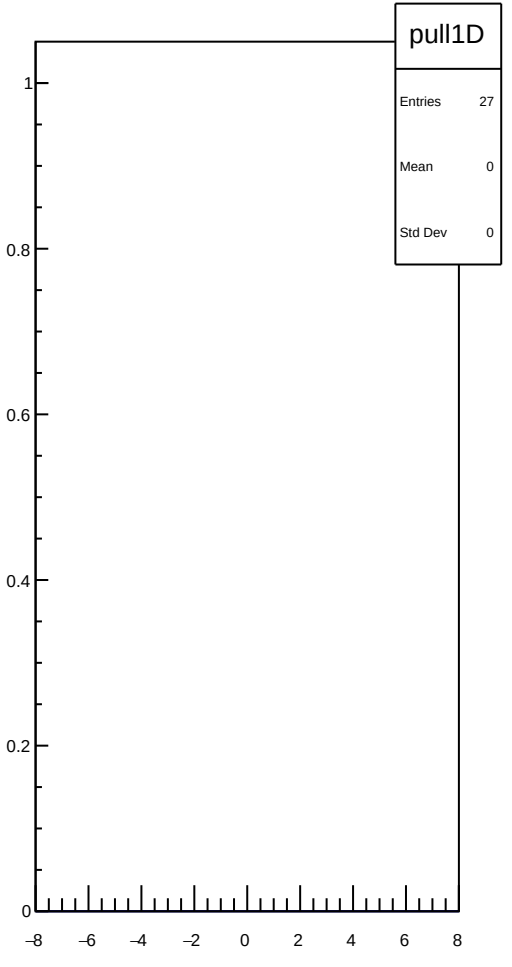

yield_bpm1i02Y_rms vs run
χ² / ndf 2571 / 26
p0 0.007624 ± 1.063e−05
0.01
0.0095
0.009
0.0085
0.008
0.0075
0.007
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

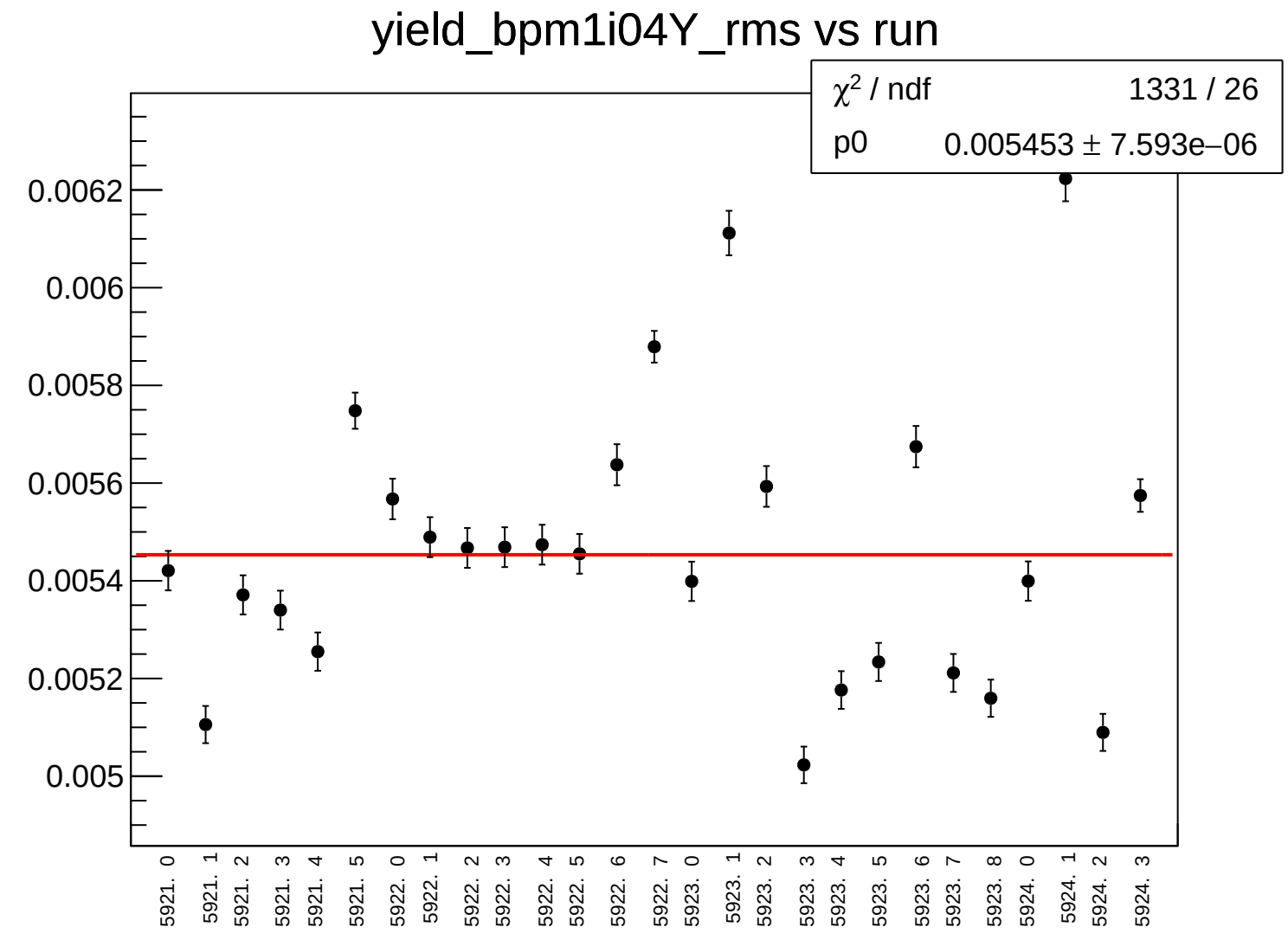

yield_bpm1i04X_mean vs run
χ² / ndf 8.626e+04 / 26
p0 0.8893 ± 1.238e−05
0.898
0.896
0.894
0.892
0.89
0.888
0.886
0.884
0.882
0.88
0.878
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −544.3
Std Dev 0
100
50
0
−50
−100

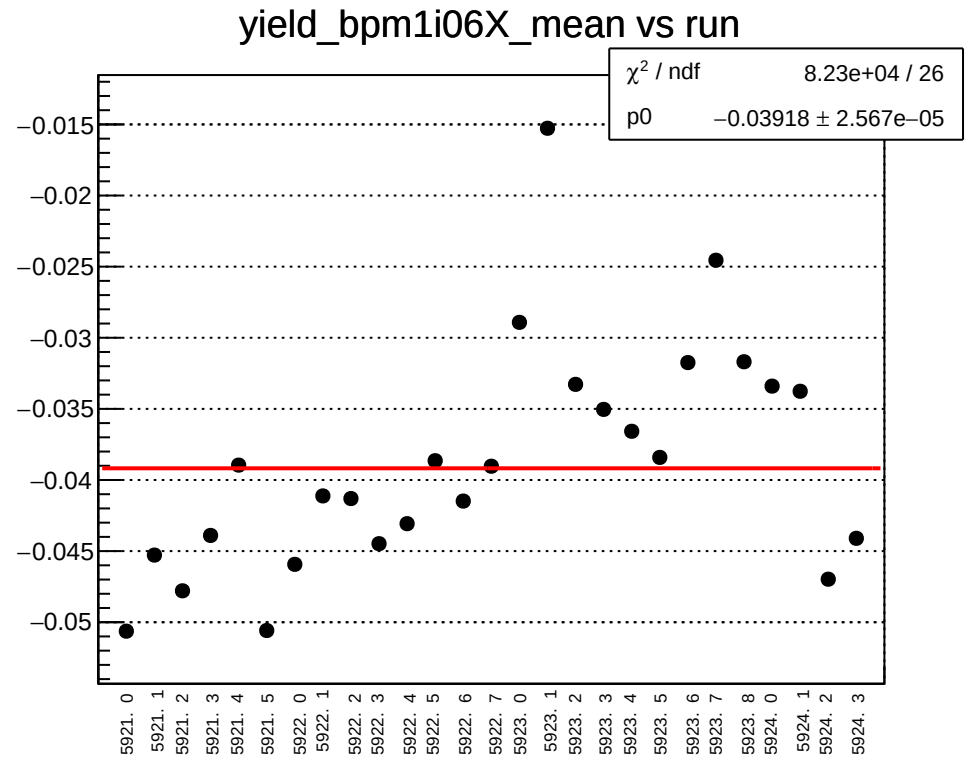

pull1D
Entries 27
Mean 0.7162
Std Dev 3.084
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

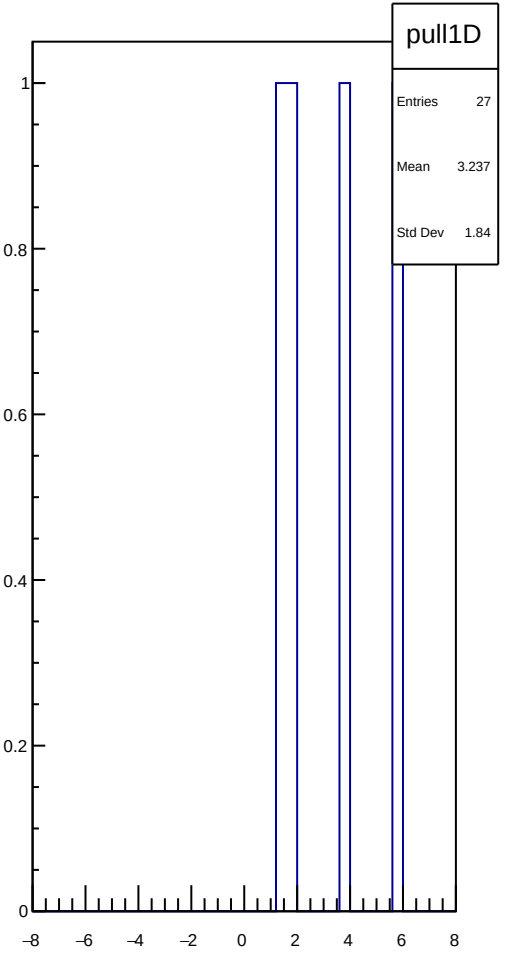

yield_bpm1i04X_rms vs run
χ² / ndf 1557 / 26
p0 0.006287 ± 8.756e−06
0.0078
0.0076
0.0074
0.0072
0.007
0.0068
0.0066
0.0064
0.0062
0.006
0.0058
0.0056
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

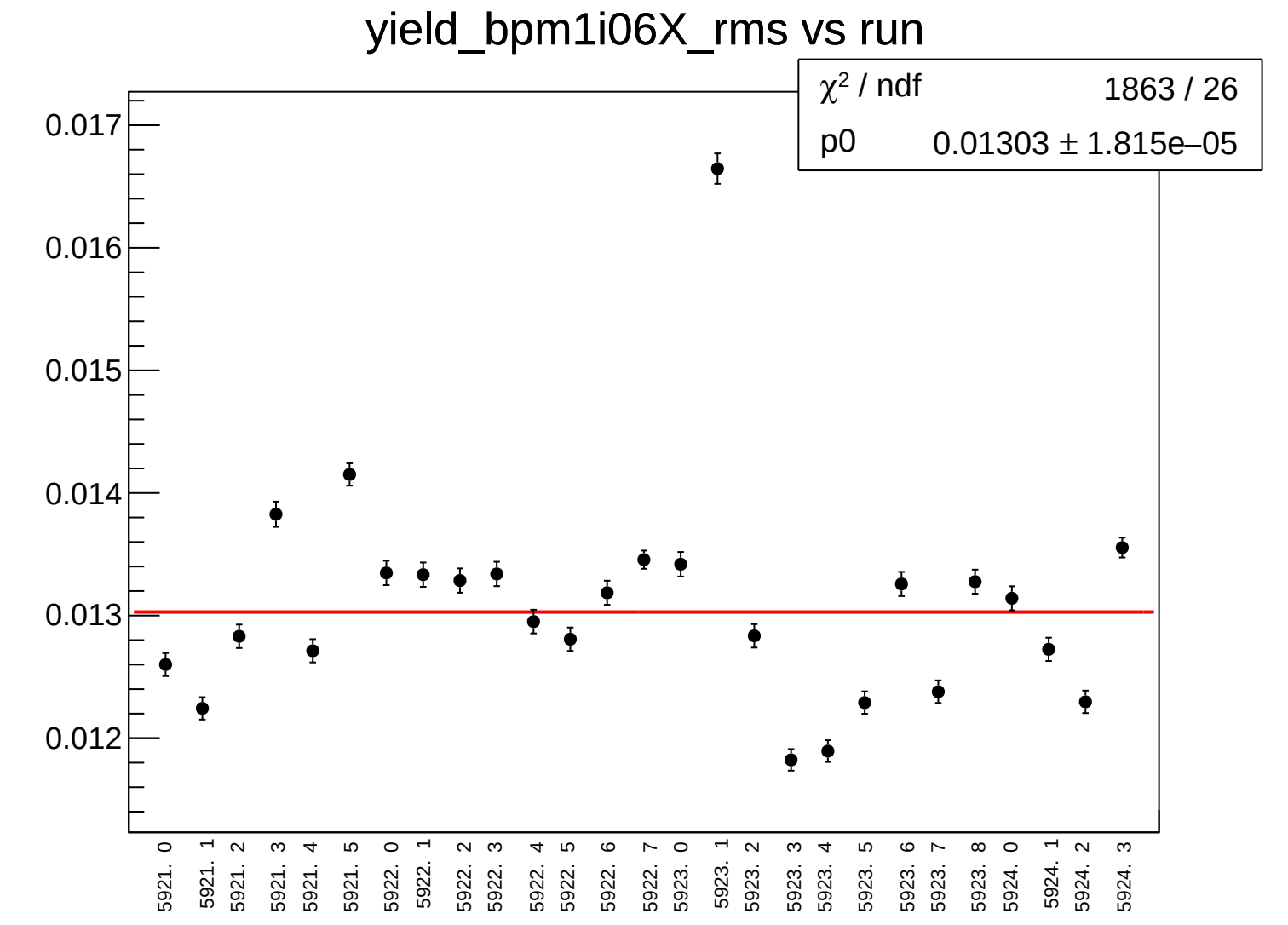

yield_bpm1i04Y_mean vs run
χ² / ndf 1.061e+05 / 26
p0 3.948 ± 1.074e−05
3.958
3.956
3.954
3.952
3.95
3.948
3.946
3.944
3.942
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 318.7
Std Dev 0
100
50
0
−50
−100

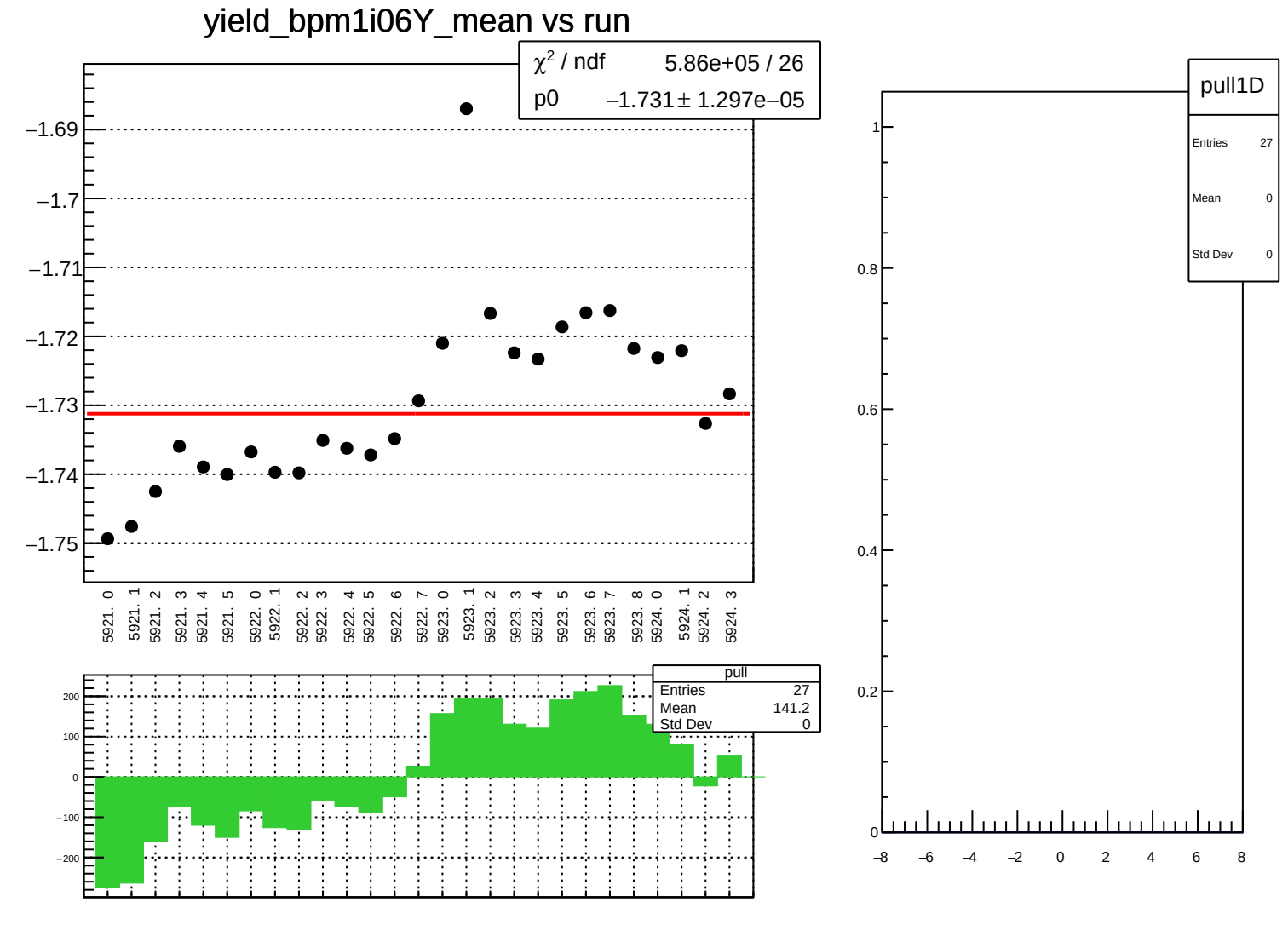

pull1D
Entries 27
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

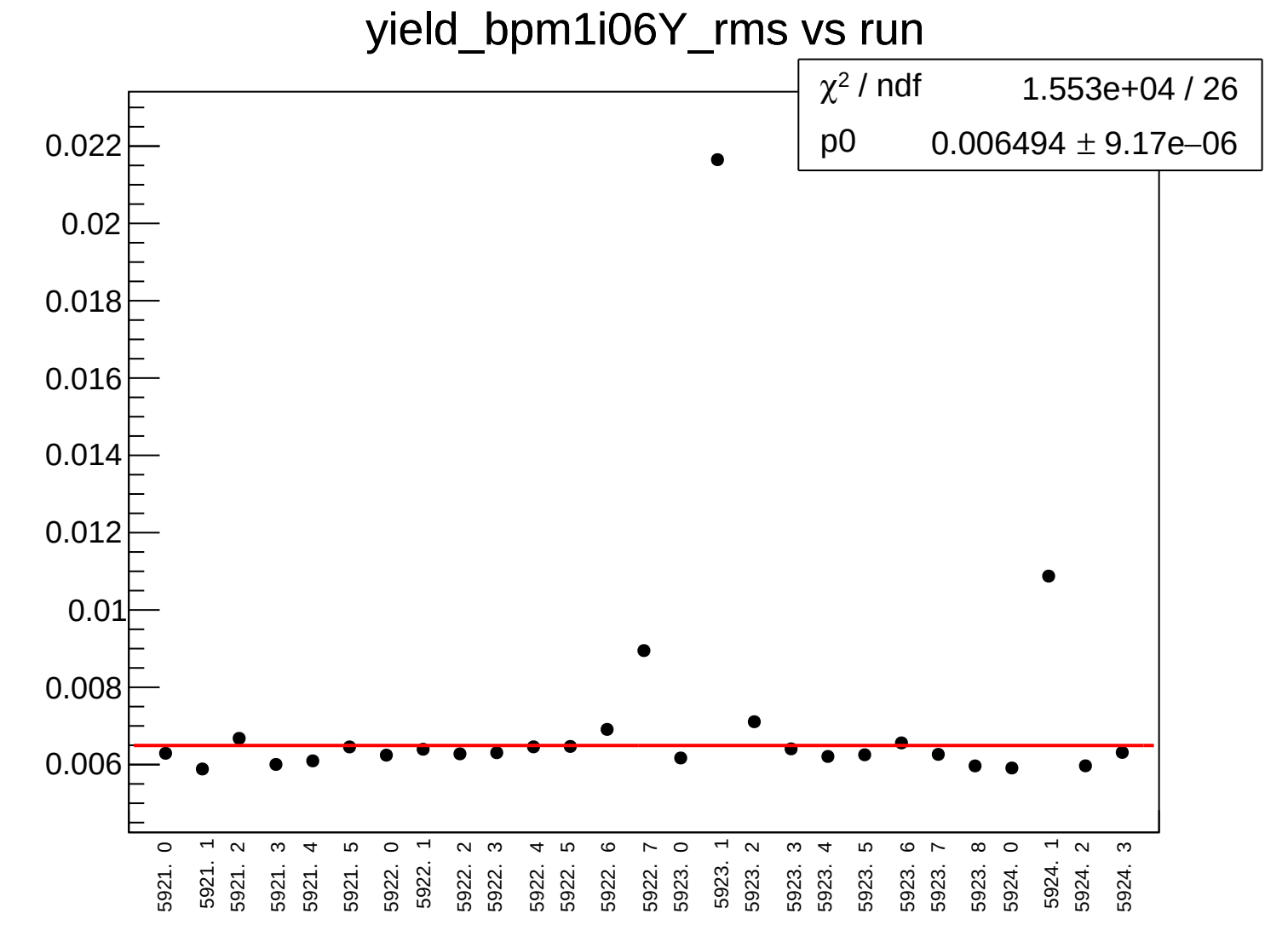

yield_bpm1i04Y_rms vs run
χ² / ndf 1331 / 26
p0 0.005453 ± 7.593e−06
0.0062
0.006
0.0058
0.0056
0.0054
0.0052
0.005
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

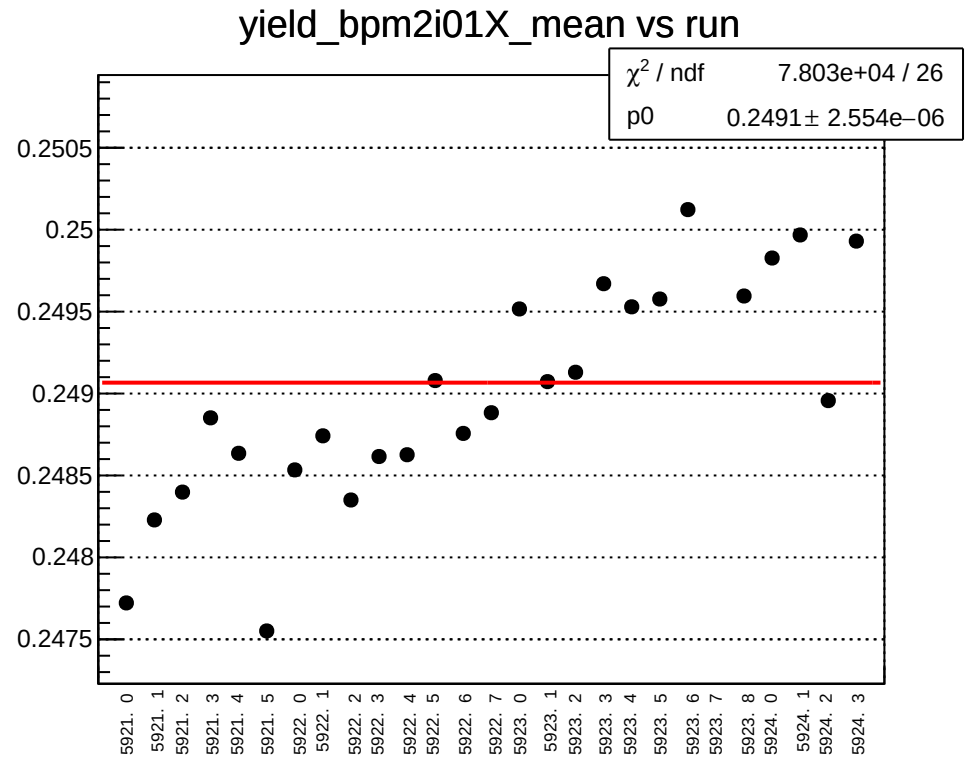

yield_bpm1i06X_mean vs run
χ² / ndf 8.23e+04 / 26
p0 −0.03918 ± 2.567e−05
−0.015
−0.02
−0.025
−0.03
−0.035
−0.04
−0.045
−0.05
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 169.4
Std Dev 0
140
120
100
80
60
40
20
0
−20
−40
−60
−80

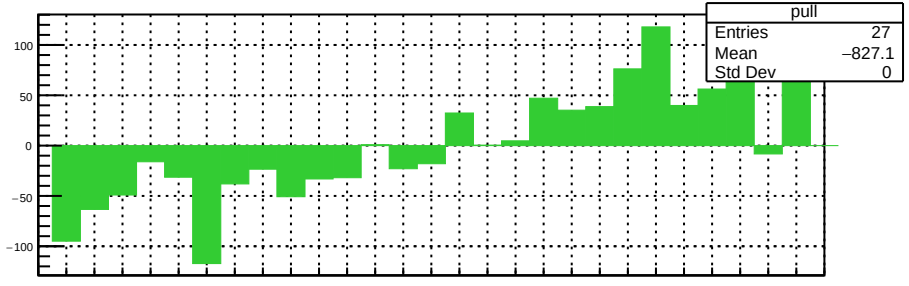

pull1D
Entries 27
Mean 3.237
Std Dev 1.84
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

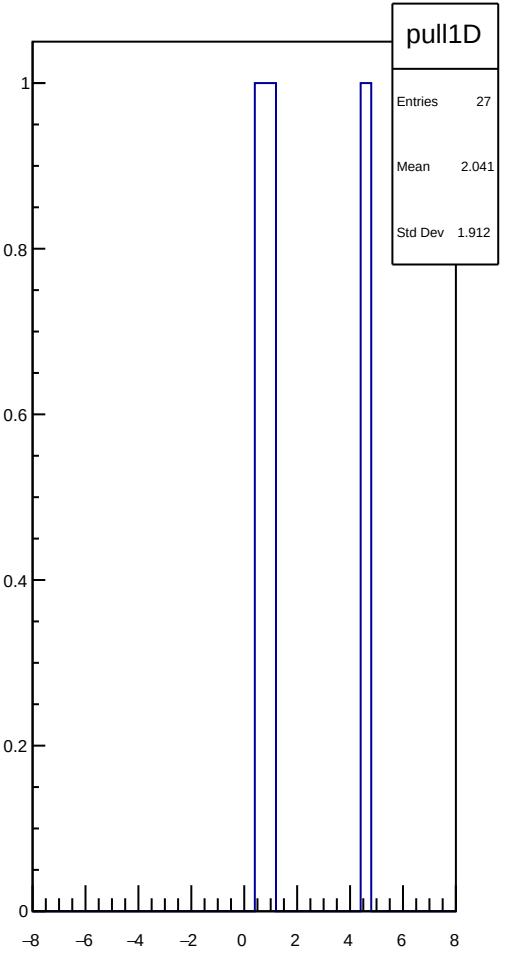

yield_bpm1i06X_rms vs run
χ² / ndf 1863 / 26
p0 0.01303 ± 1.815e−05
0.017
0.016
0.015
0.014
0.013
0.012
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

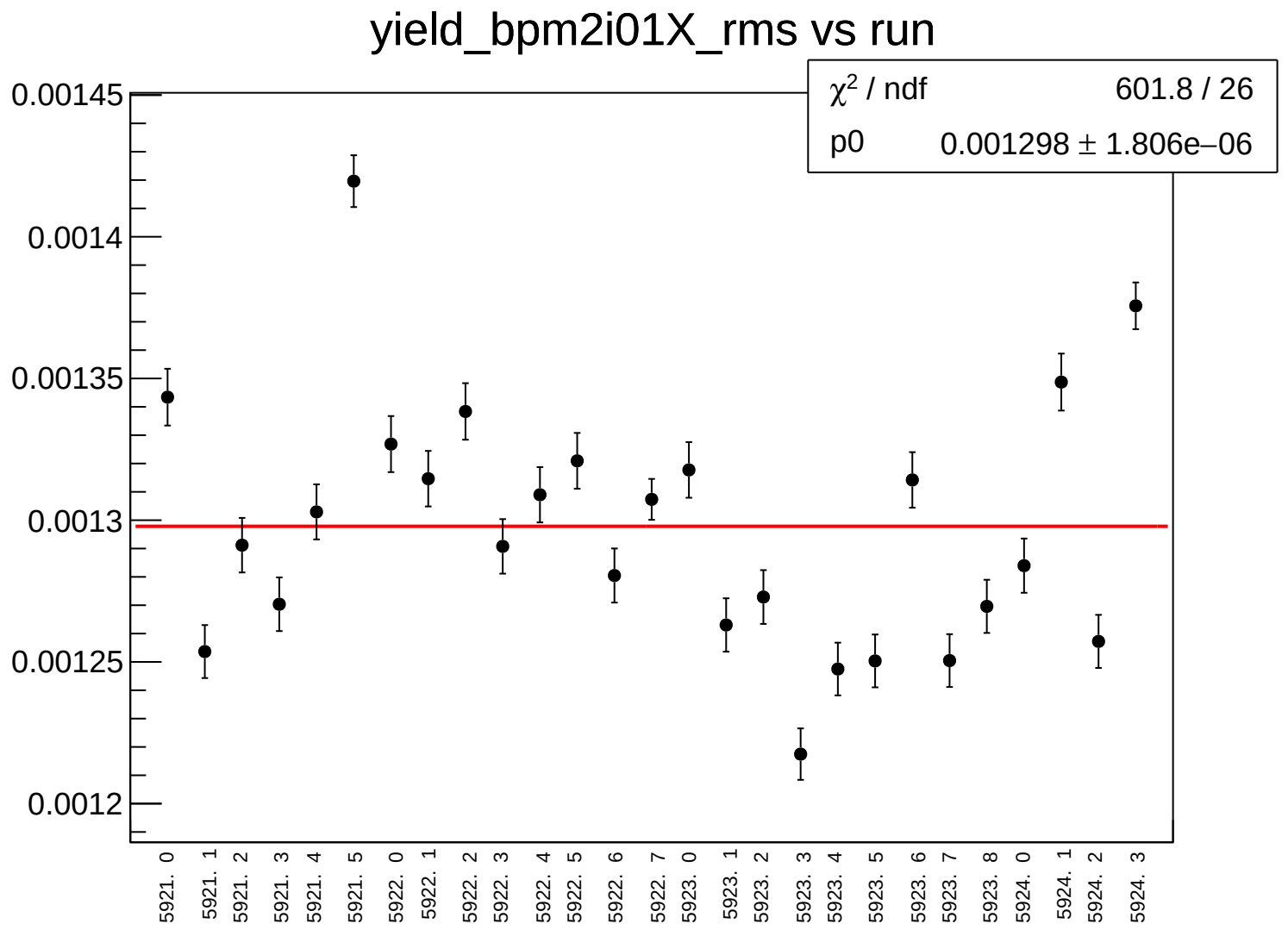

yield_bpm1i06Y_mean vs run
χ² / ndf 5.86e+05 / 26
p0 −1.731 ± 1.297e−05
−1.69
−1.7
−1.71
−1.72
−1.73
−1.74
−1.75
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 141.2
Std Dev 0
200
100
0
−100
−200
pull1D
Entries 27
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

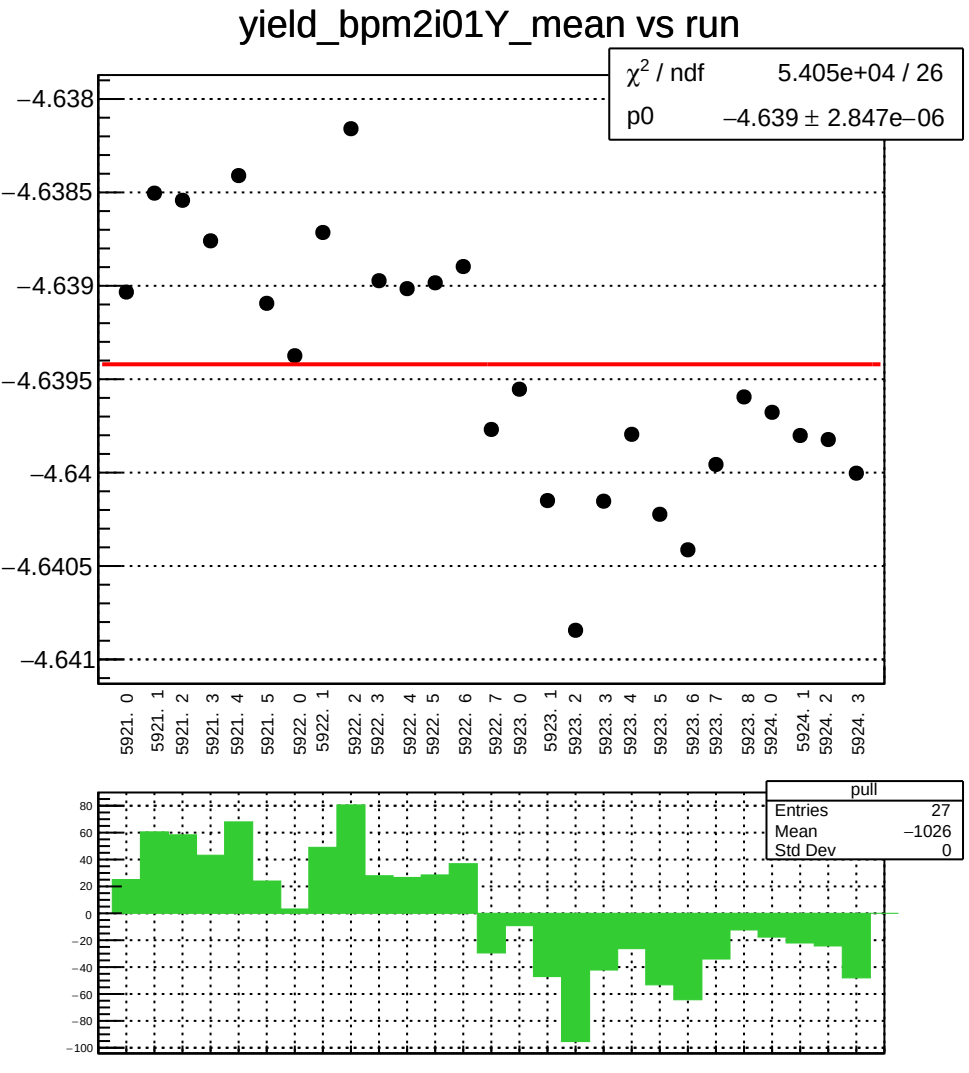

yield_bpm1i06Y_rms vs run
χ² / ndf 1.553e+04 / 26
p0 0.006494 ± 9.17e−06
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

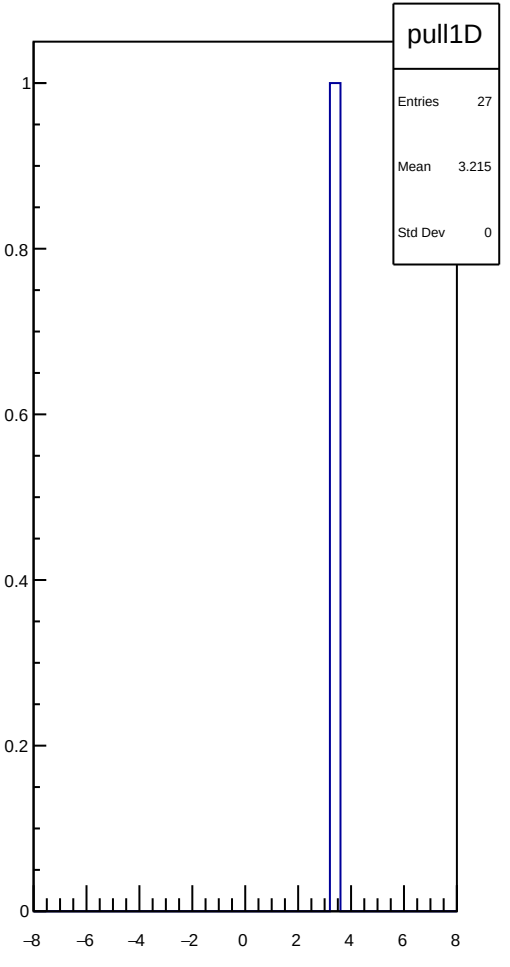

yield_bpm2i01X_mean vs run
χ² / ndf 7.803e+04 / 26
p0 0.2491 ± 2.554e−06
0.2505
0.25
0.2495
0.249
0.2485
0.248
0.2475
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

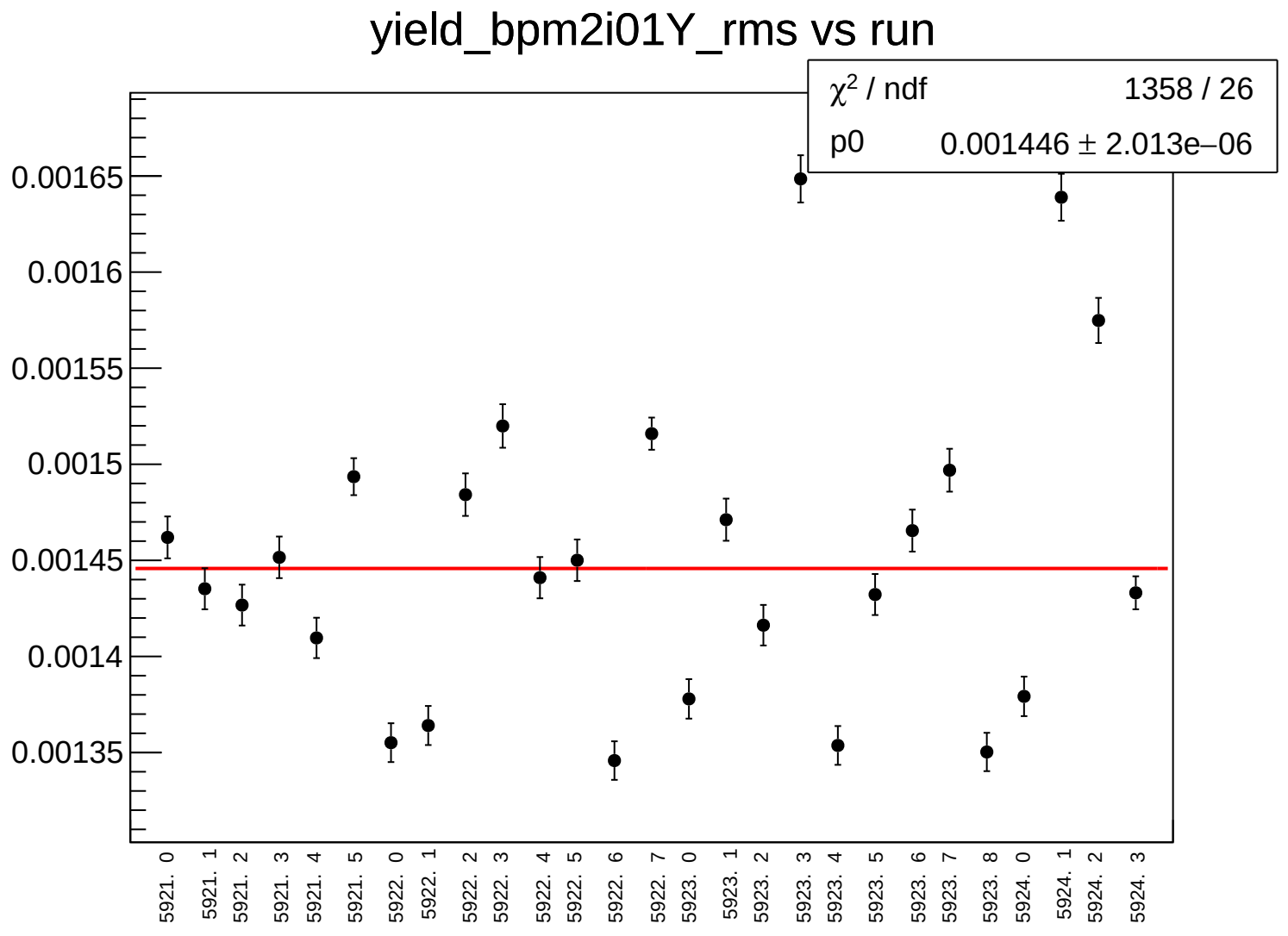

pull
Entries 27
Mean −827.1
Std Dev 0
100
50
0
−50
−100

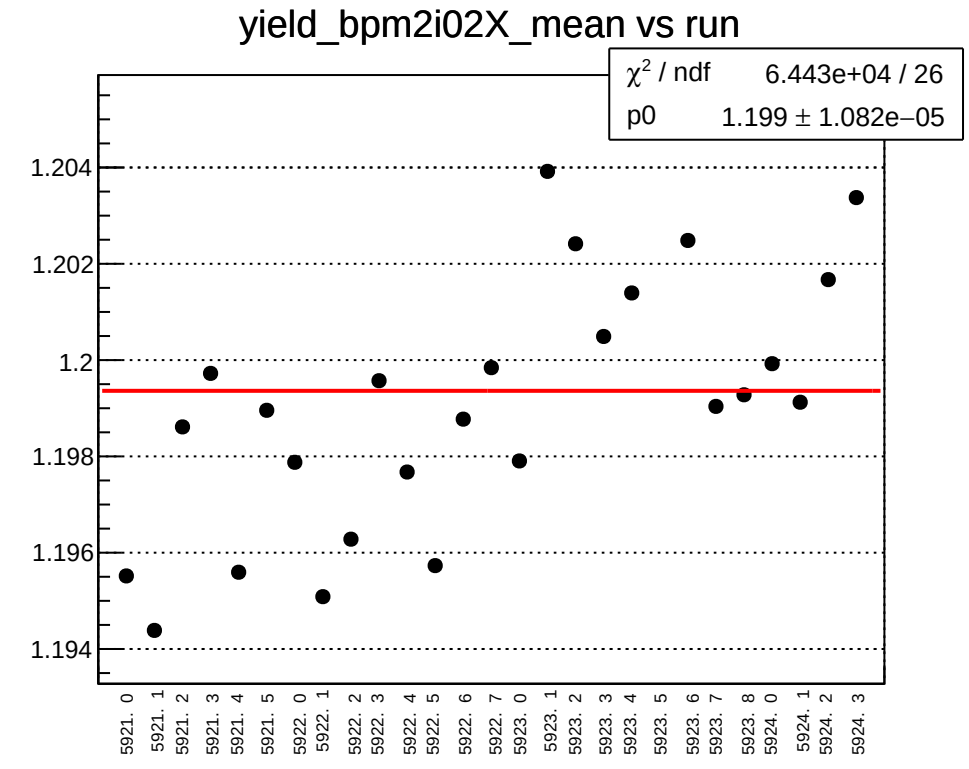

pull1D
Entries 27
Mean 2.041
Std Dev 1.912
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

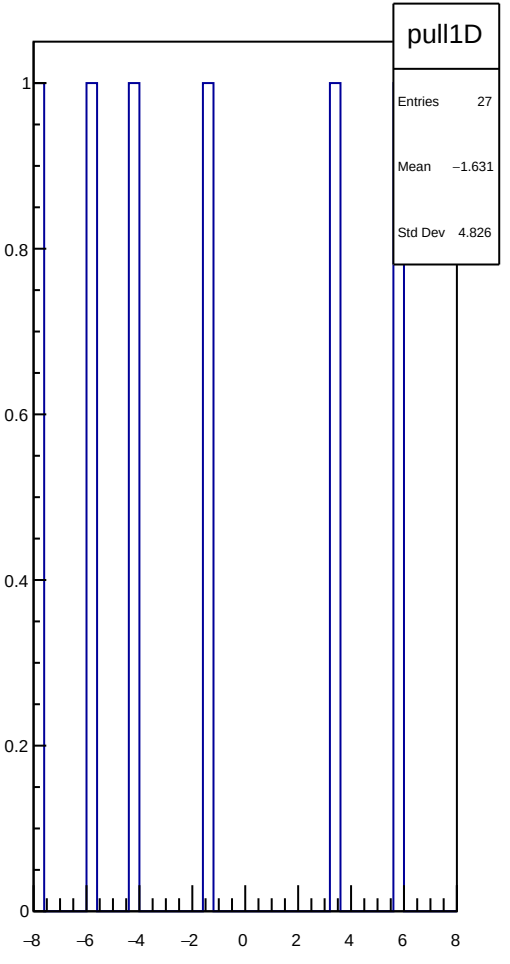

yield_bpm2i01X_rms vs run
χ² / ndf 601.8 / 26
p0 0.001298 ± 1.806e−06
0.00145
0.0014
0.00135
0.0013
0.00125
0.0012
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

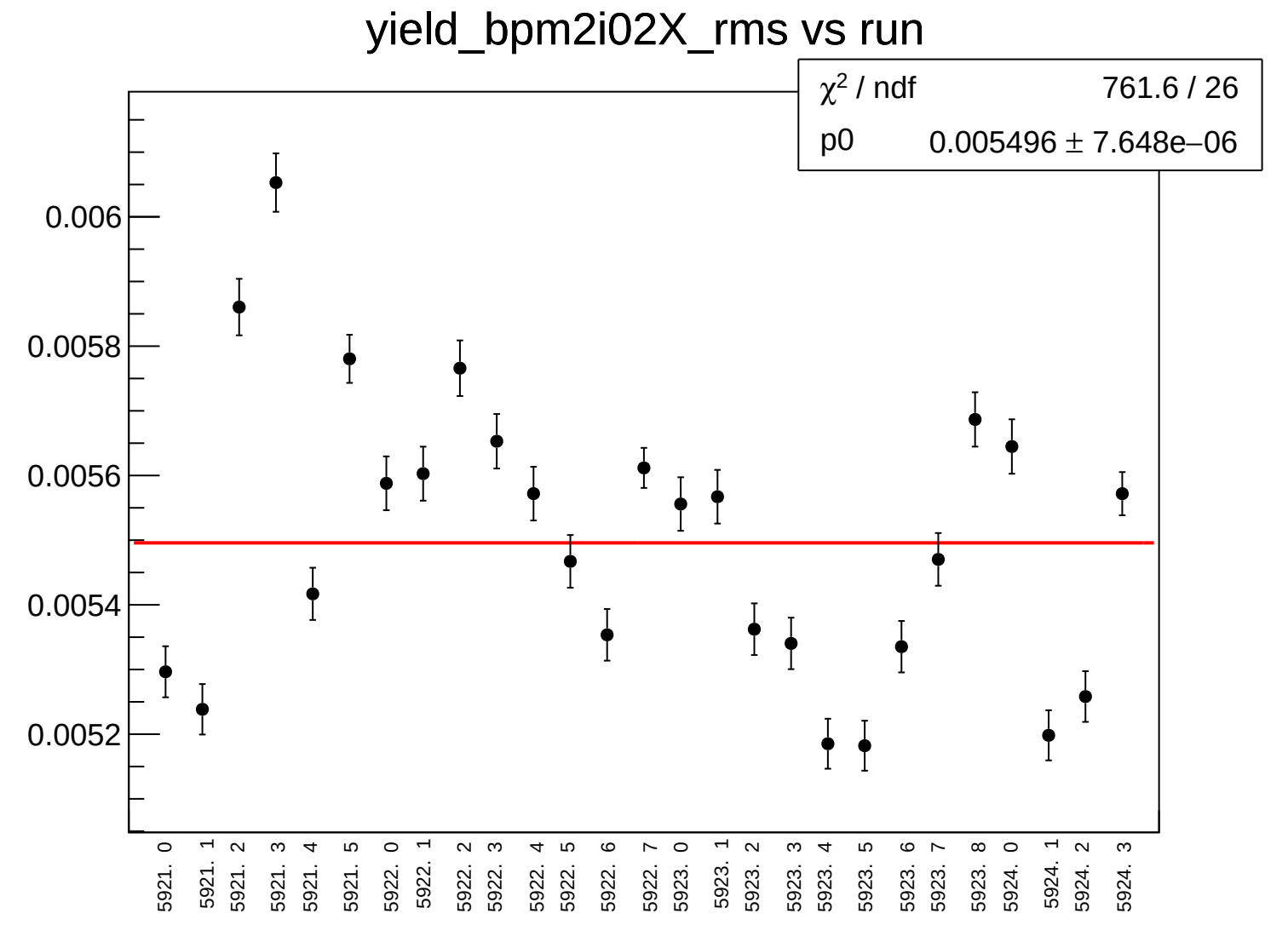

yield_bpm2i01Y_mean vs run
χ² / ndf 5.405e+04 / 26
p0 −4.639 ± 2.847e−06
−4.638
−4.6385
−4.639
−4.6395
−4.64
−4.6405
−4.641
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −1026
Std Dev 0
80
60
40
20
0
−20
−40
−60
−80
−100

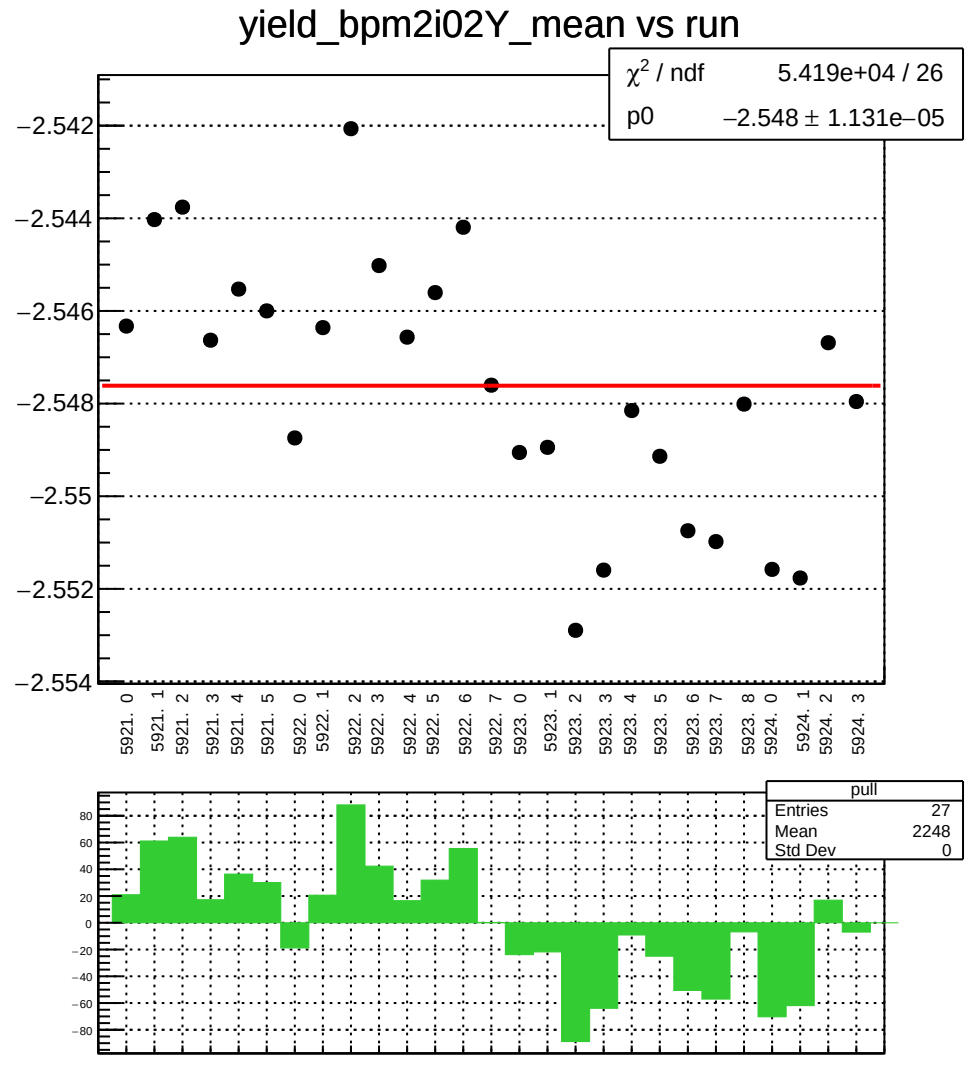

pull1D
Entries 27
Mean 3.215
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

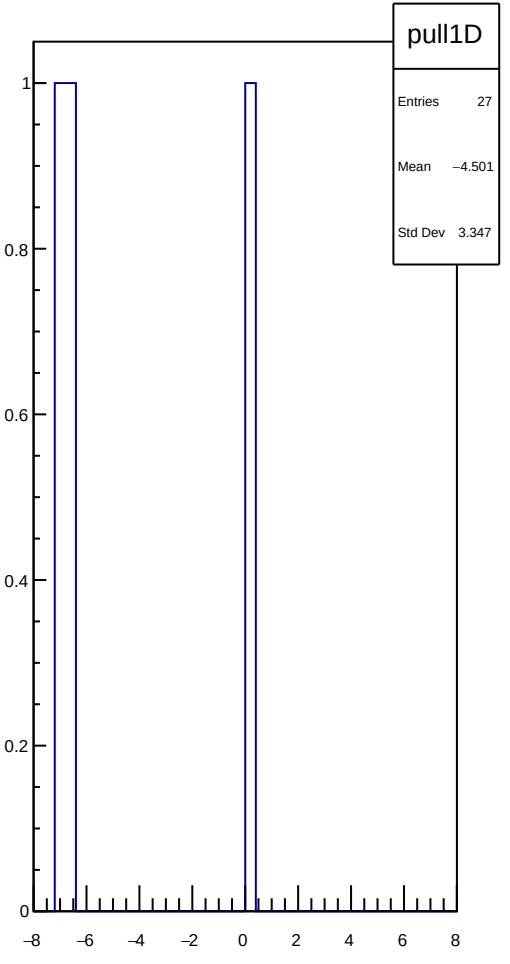

yield_bpm2i01Y_rms vs run
χ² / ndf 1358 / 26
p0 0.001446 ± 2.013e−06
0.00165
0.0016
0.00155
0.0015
0.00145
0.0014
0.00135
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

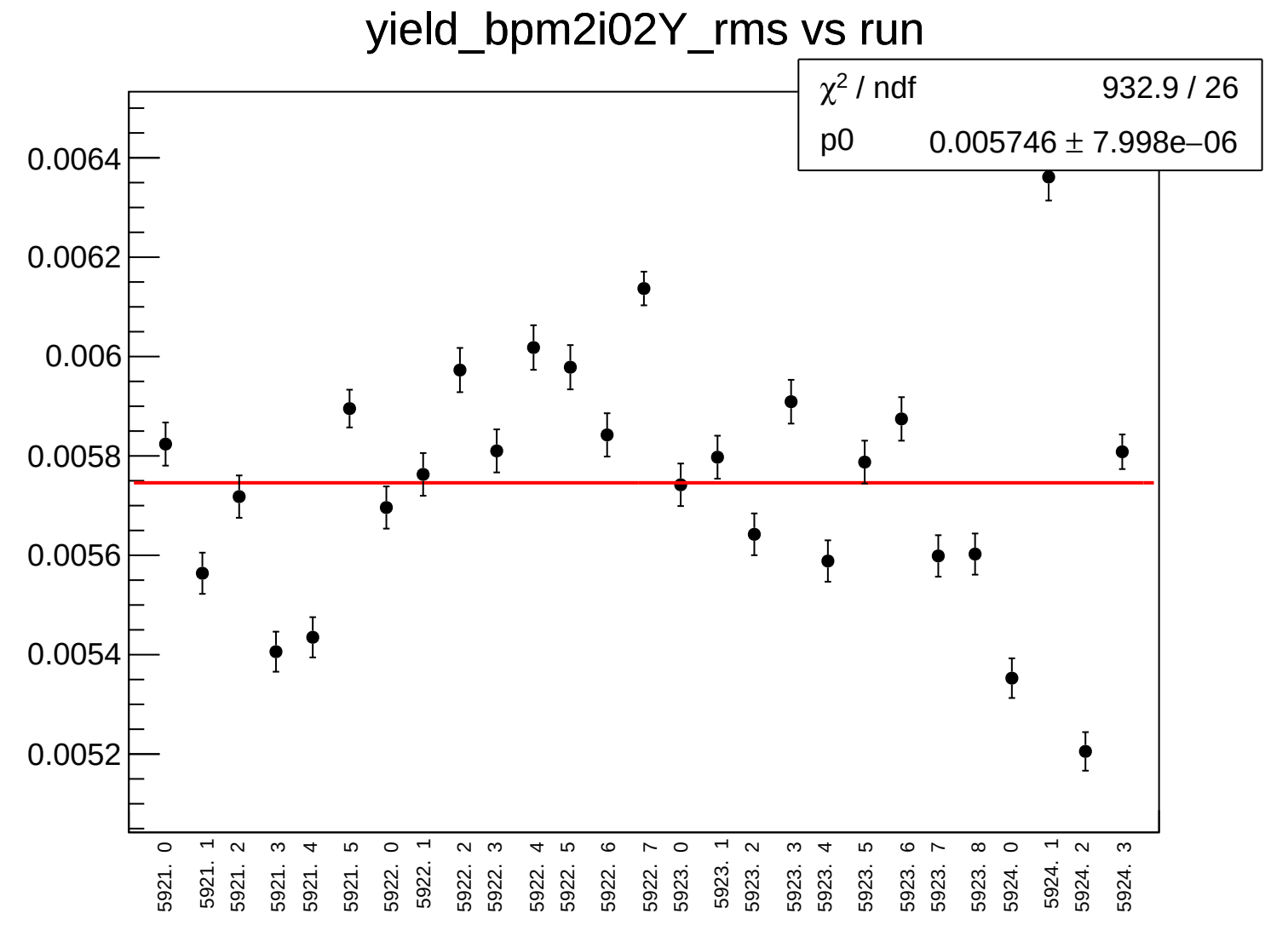

yield_bpm2i02X_mean vs run
χ² / ndf 6.443e+04 / 26
p0 1.199 ± 1.082e−05
1.204
1.202
1.2
1.198
1.196
1.194
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −211.7
Std Dev 0
100
80
60
40
20
0
−20
−40
−60
−80

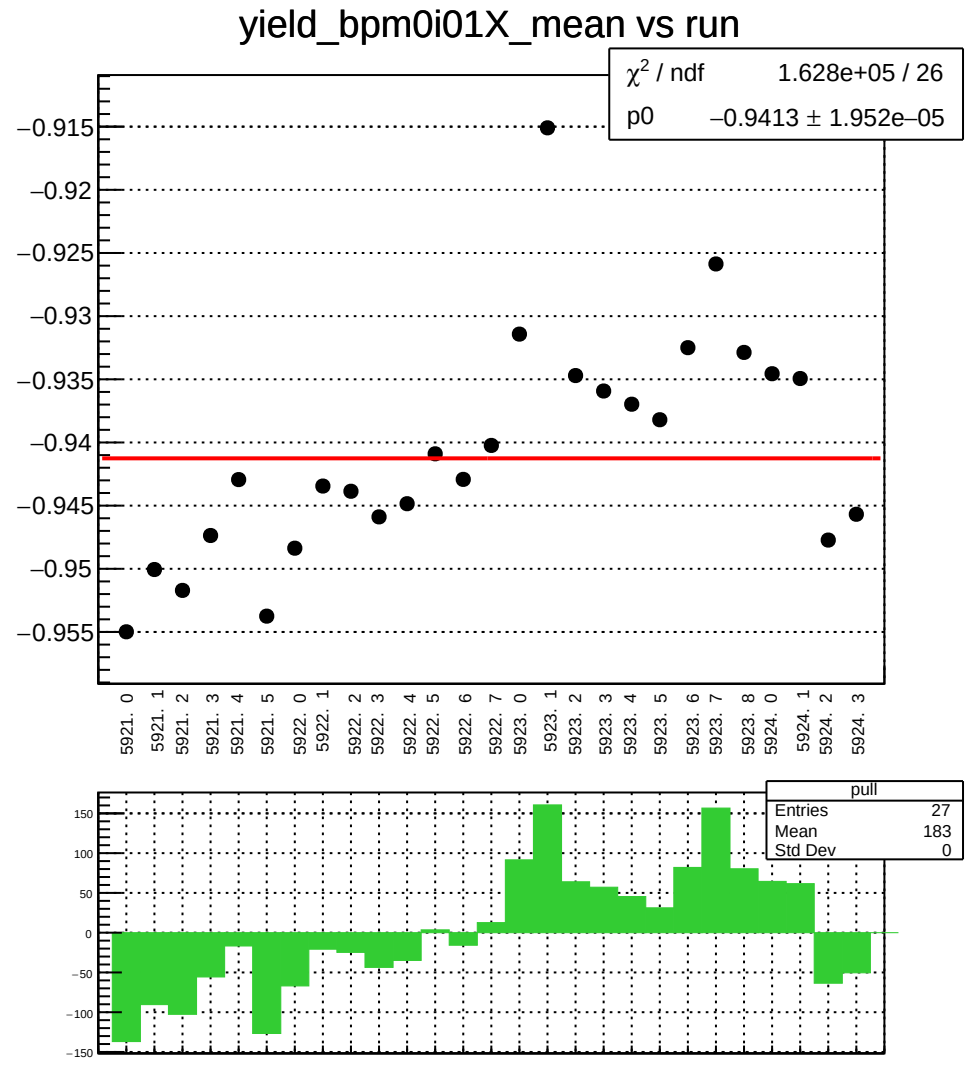

pull1D
Entries 27
Mean −1.631
Std Dev 4.826
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

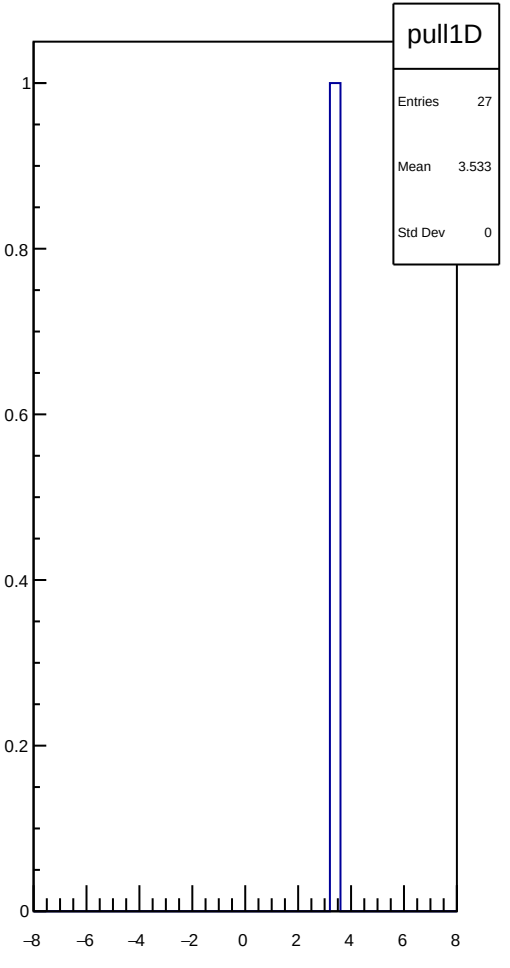

yield_bpm2i02X_rms vs run
χ² / ndf 761.6 / 26
p0 0.005496 ± 7.648e−06
0.006
0.0058
0.0056
0.0054
0.0052
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

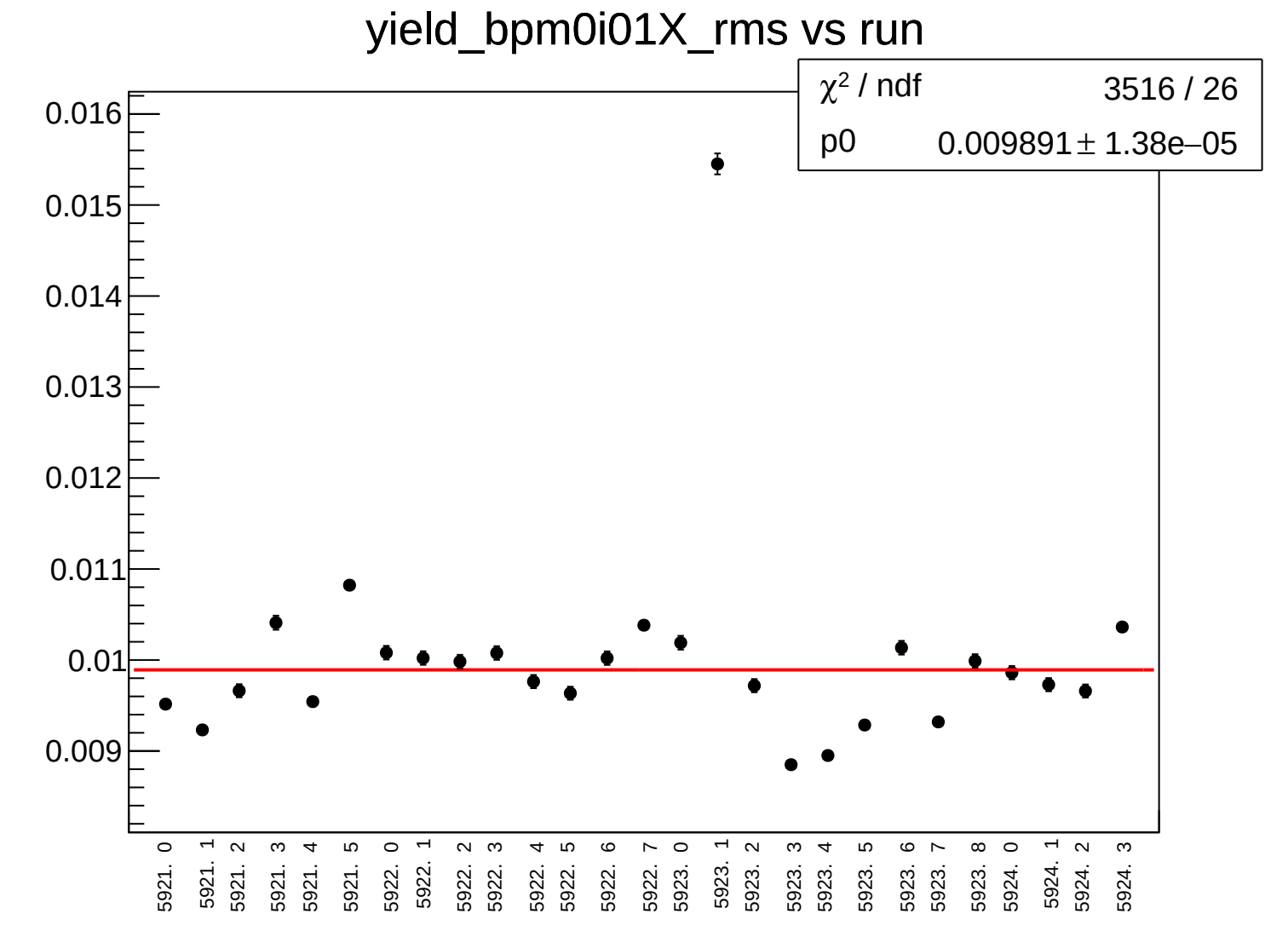

yield_bpm2i02Y_mean vs run
χ² / ndf 5.419e+04 / 26
p0 −2.548 ± 1.131e−05
−2.542
−2.544
−2.546
−2.548
−2.55
−2.552
−2.554
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 2248
Std Dev 0
80
60
40
20
0
−20
−40
−60
−80

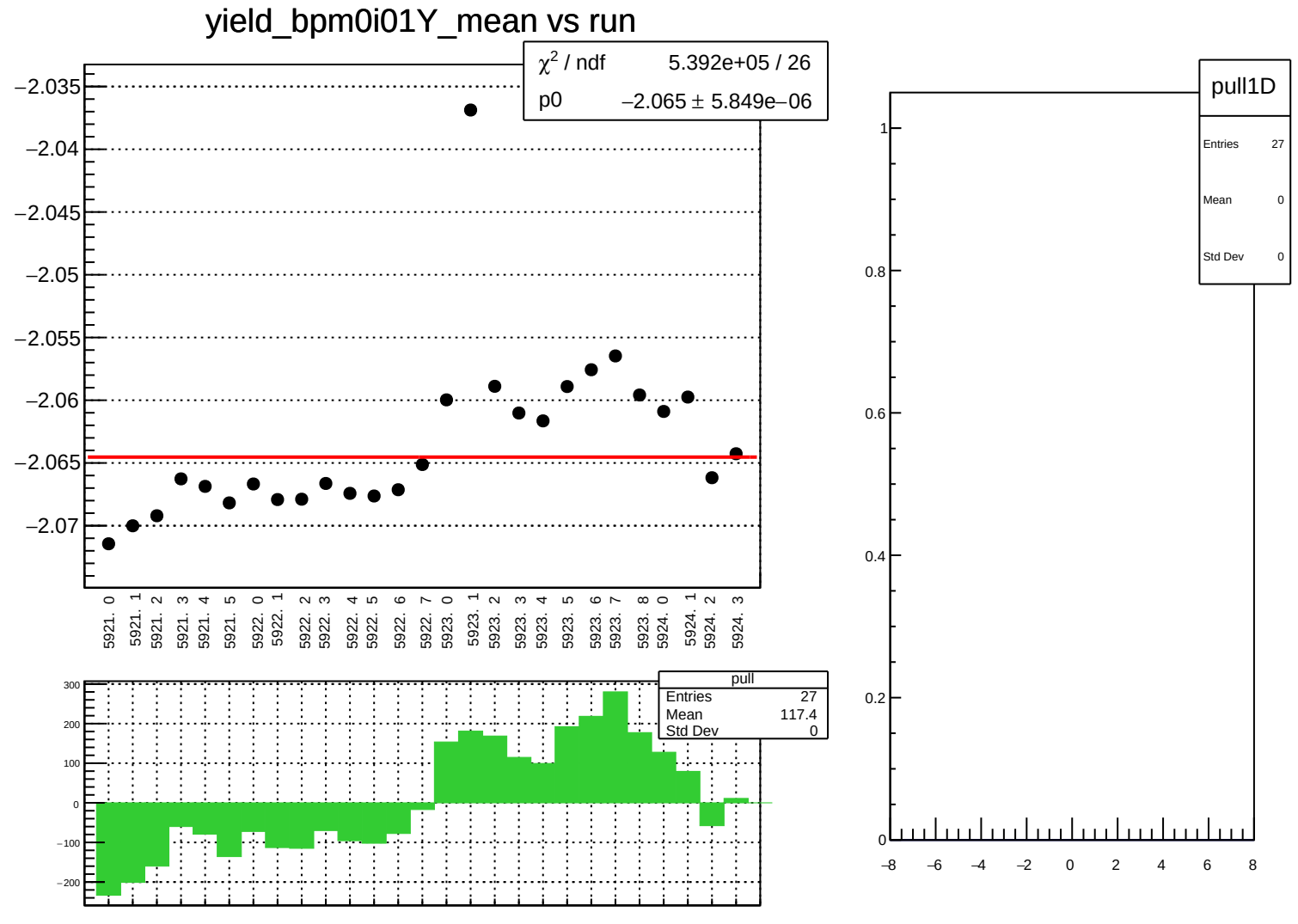

pull1D
Entries 27
Mean −4.501
Std Dev 3.347
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

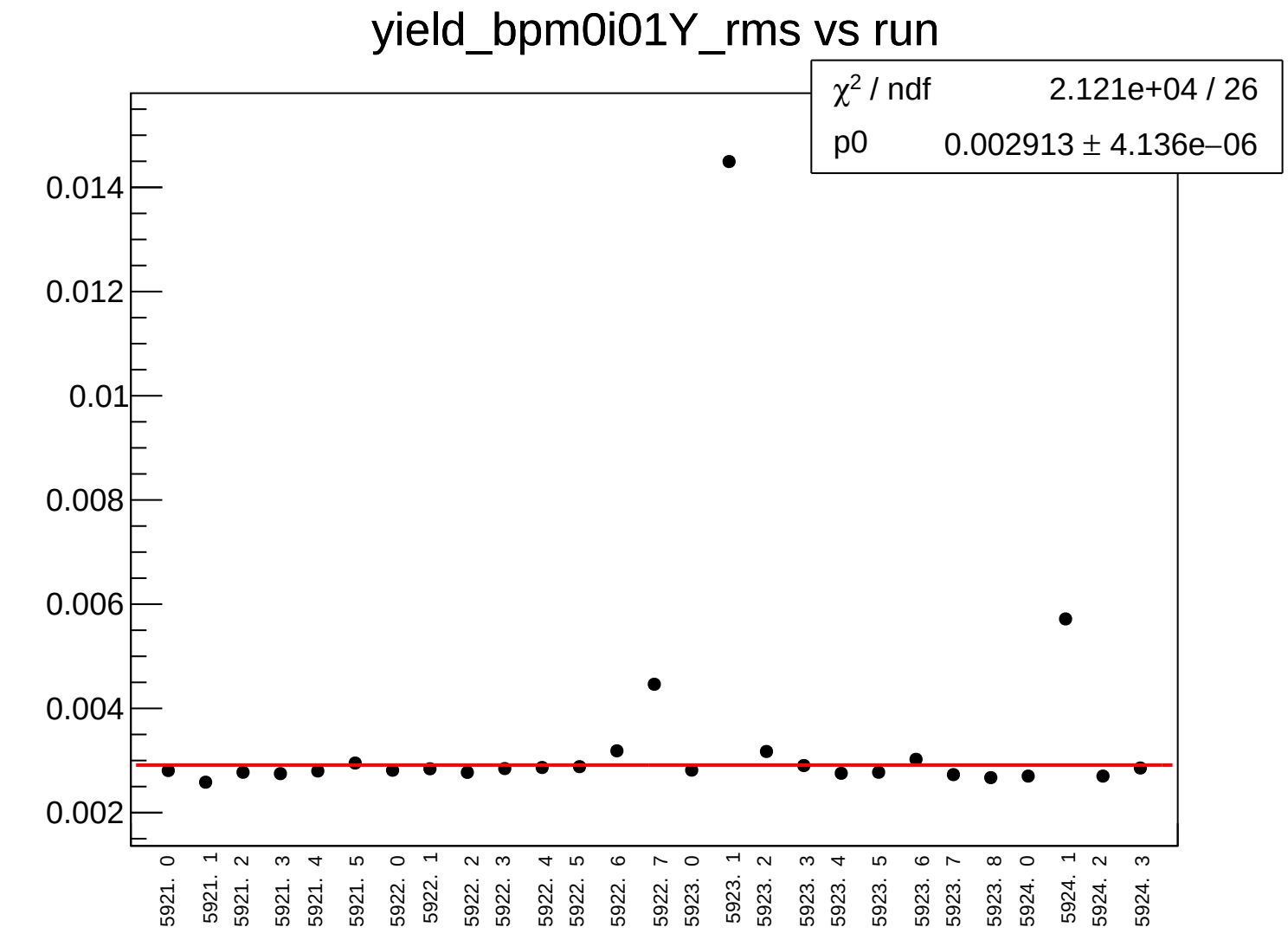

yield_bpm2i02Y_rms vs run
χ² / ndf 932.9 / 26
p0 0.005746 ± 7.998e−06
0.0064
0.0062
0.006
0.0058
0.0056
0.0054
0.0052
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

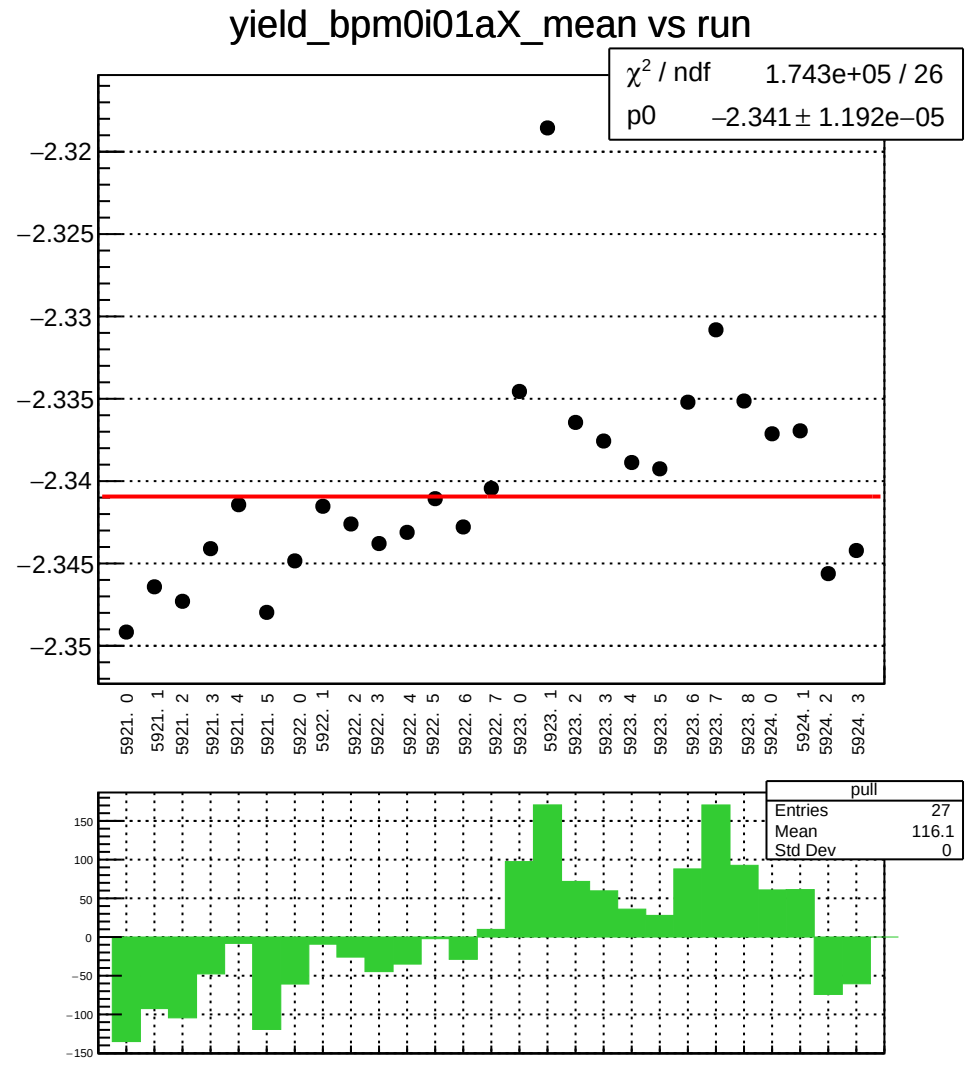

yield_bpm0i01X_mean vs run
χ² / ndf 1.628e+05 / 26
p0 −0.9413 ± 1.952e−05
−0.915
−0.92
−0.925
−0.93
−0.935
−0.94
−0.945
−0.95
−0.955
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 183
Std Dev 0
150
100
50
0
−50
−100
−150

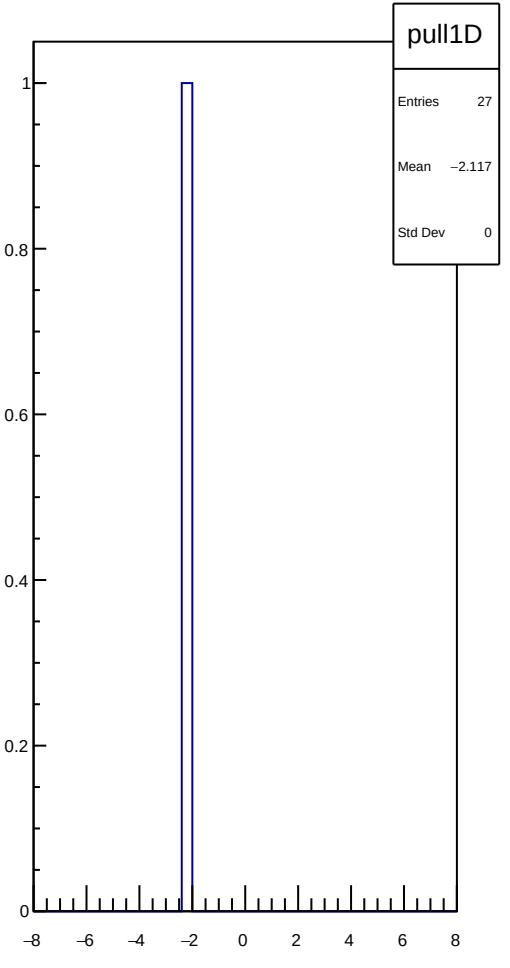

pull1D
Entries 27
Mean 3.533
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

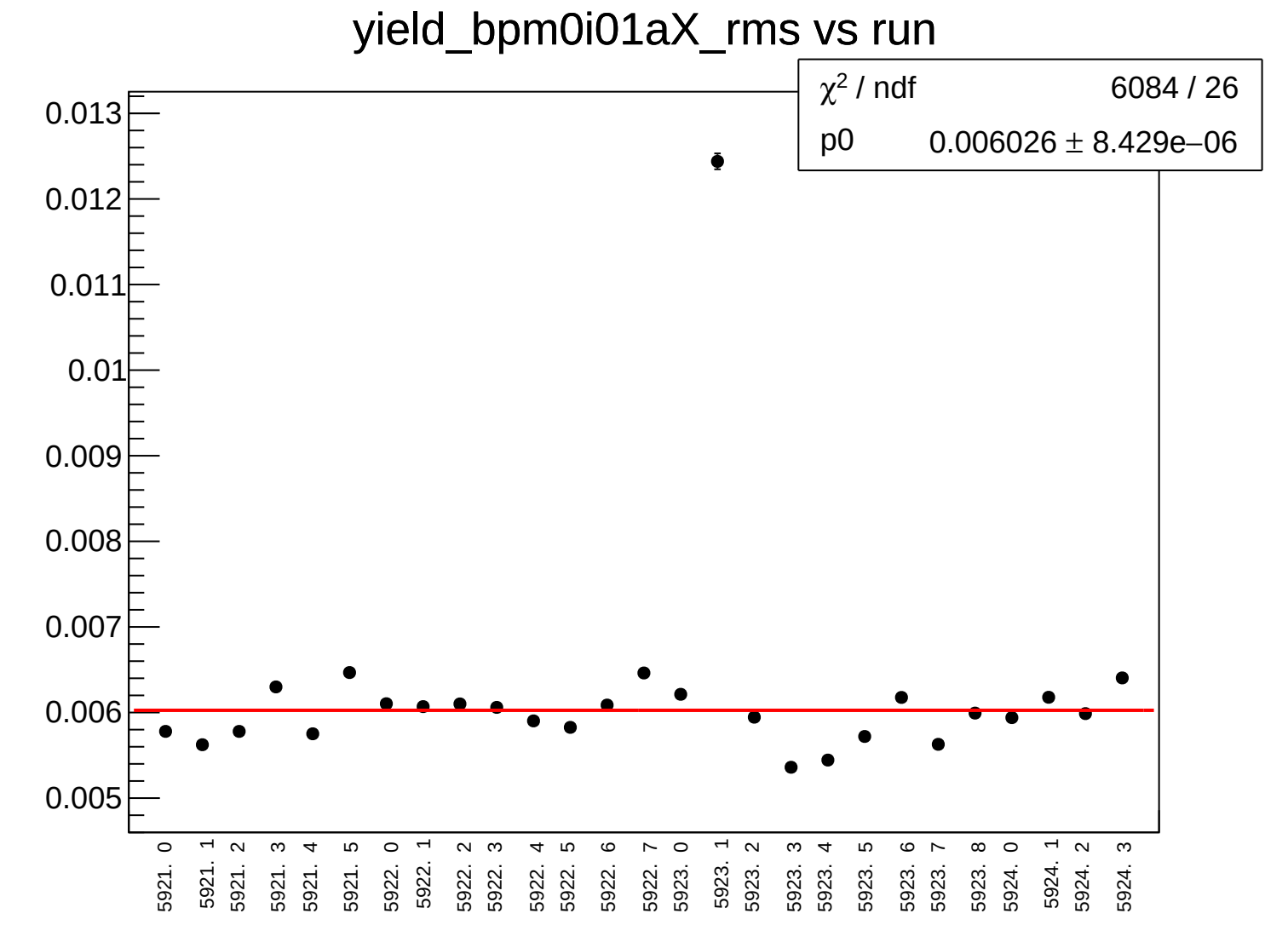

yield_bpm0i01X_rms vs run
χ² / ndf 3516 / 26
p0 0.009891 ± 1.38e−05
0.016
0.015
0.014
0.013
0.012
0.011
0.01
0.009
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

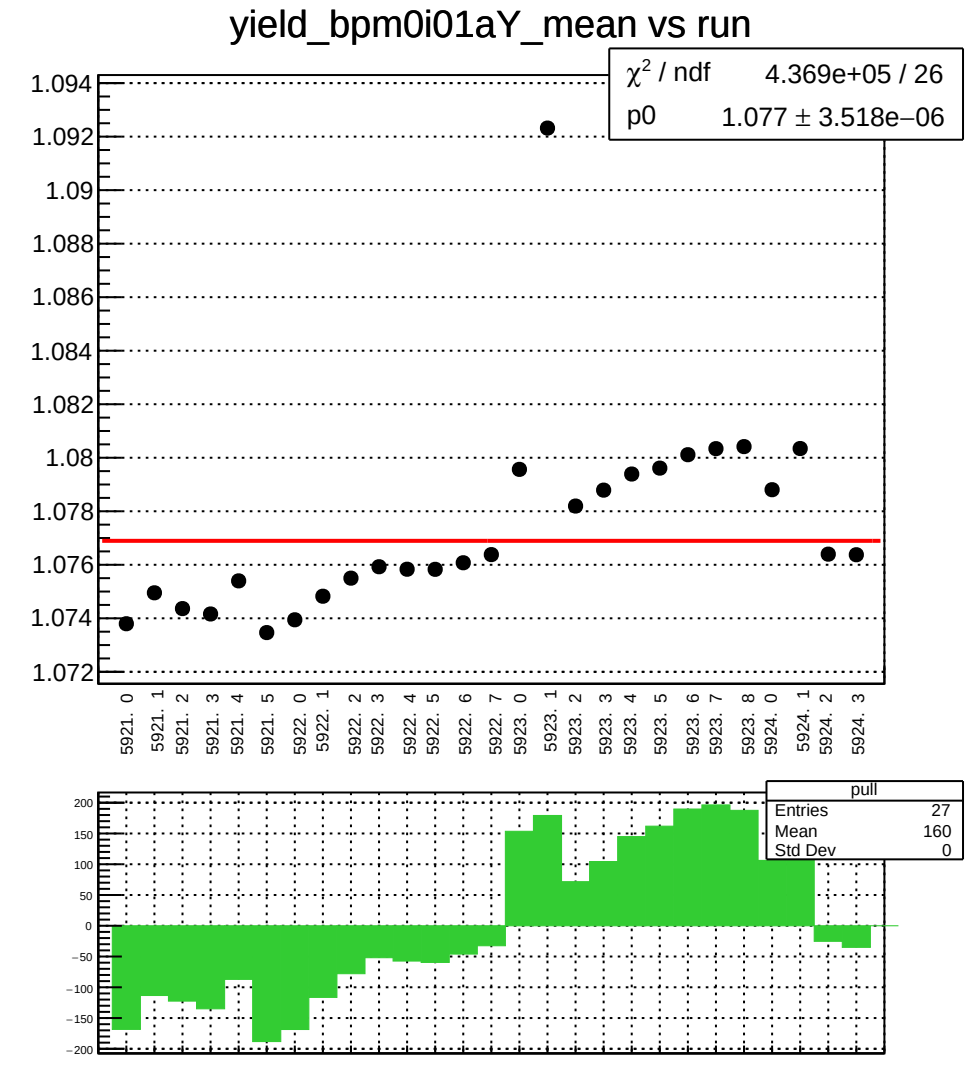

yield_bpm0i01Y_mean vs run
χ² / ndf 5.392e+05 / 26
p0 −2.065 ± 5.849e−06
−2.035
−2.04
−2.045
−2.05
−2.055
−2.06
−2.065
−2.07
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 117.4
Std Dev 0
300
200
100
0
−100
−200
pull1D
Entries 27
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

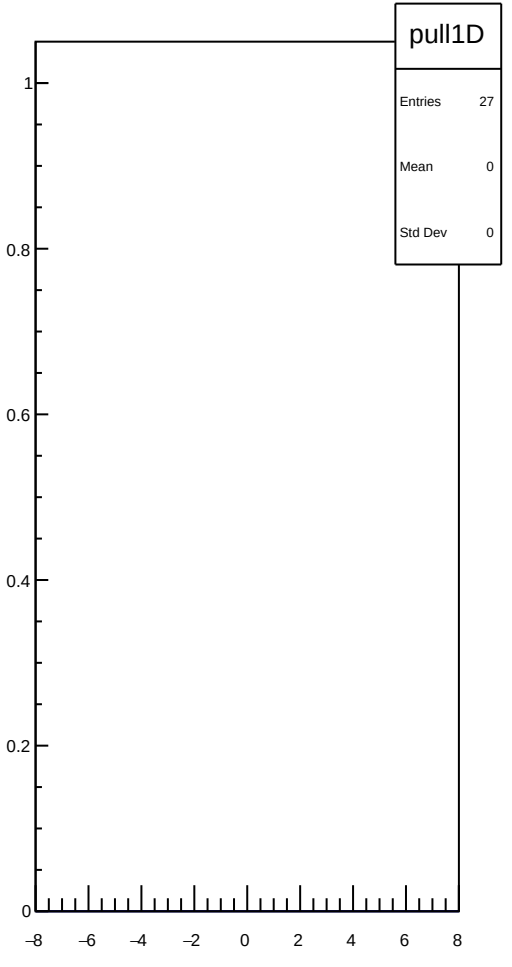

yield_bpm0i01Y_rms vs run
χ² / ndf 2.121e+04 / 26
p0 0.002913 ± 4.136e−06
0.014
0.012
0.01
0.008
0.006
0.004
0.002
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

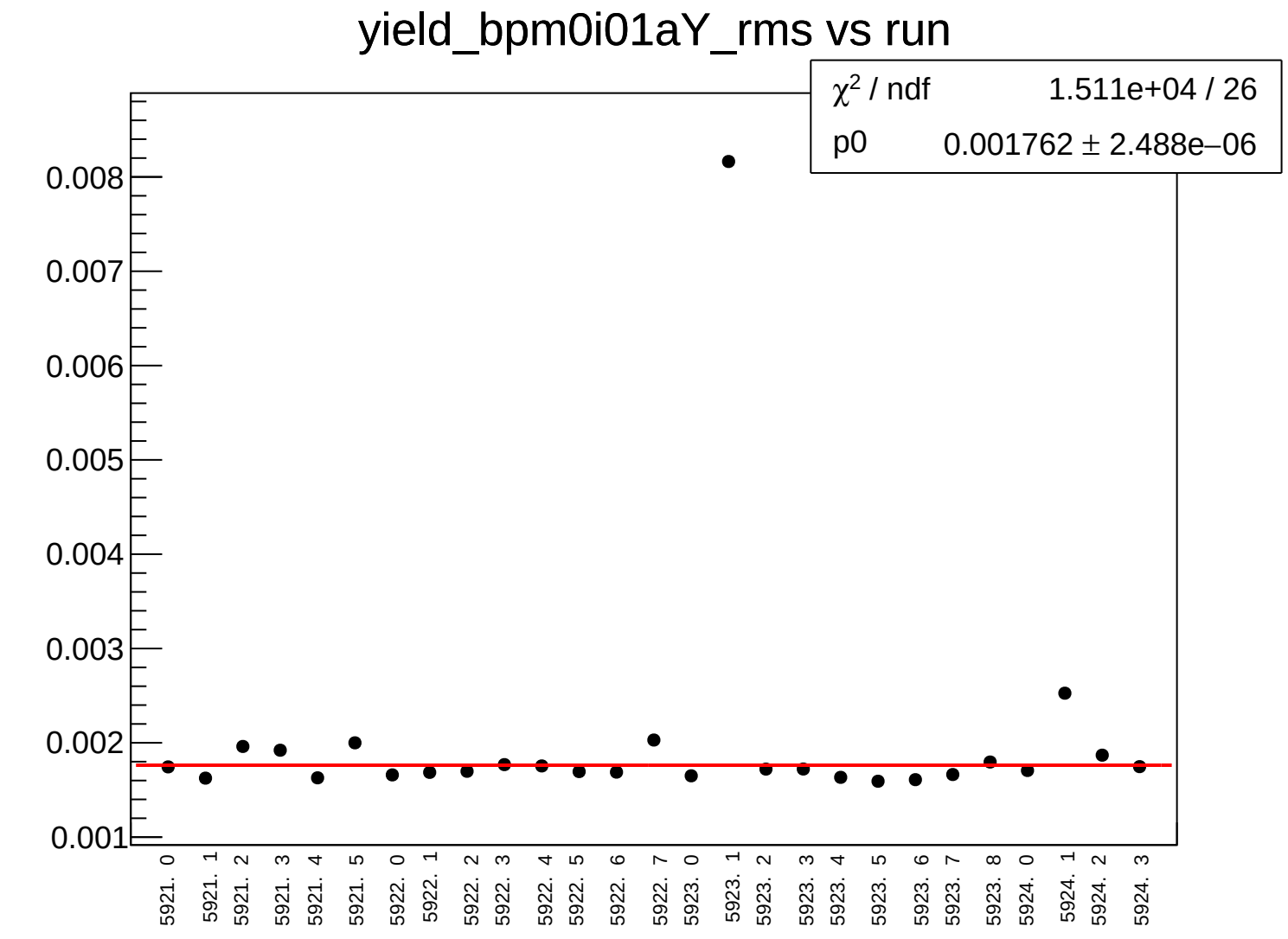

yield_bpm0i01aX_mean vs run
χ² / ndf 1.743e+05 / 26
p0 −2.341 ± 1.192e−05
−2.32
−2.325
−2.33
−2.335
−2.34
−2.345
−2.35
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 116.1
Std Dev 0
150
100
50
0
−50
−100
−150

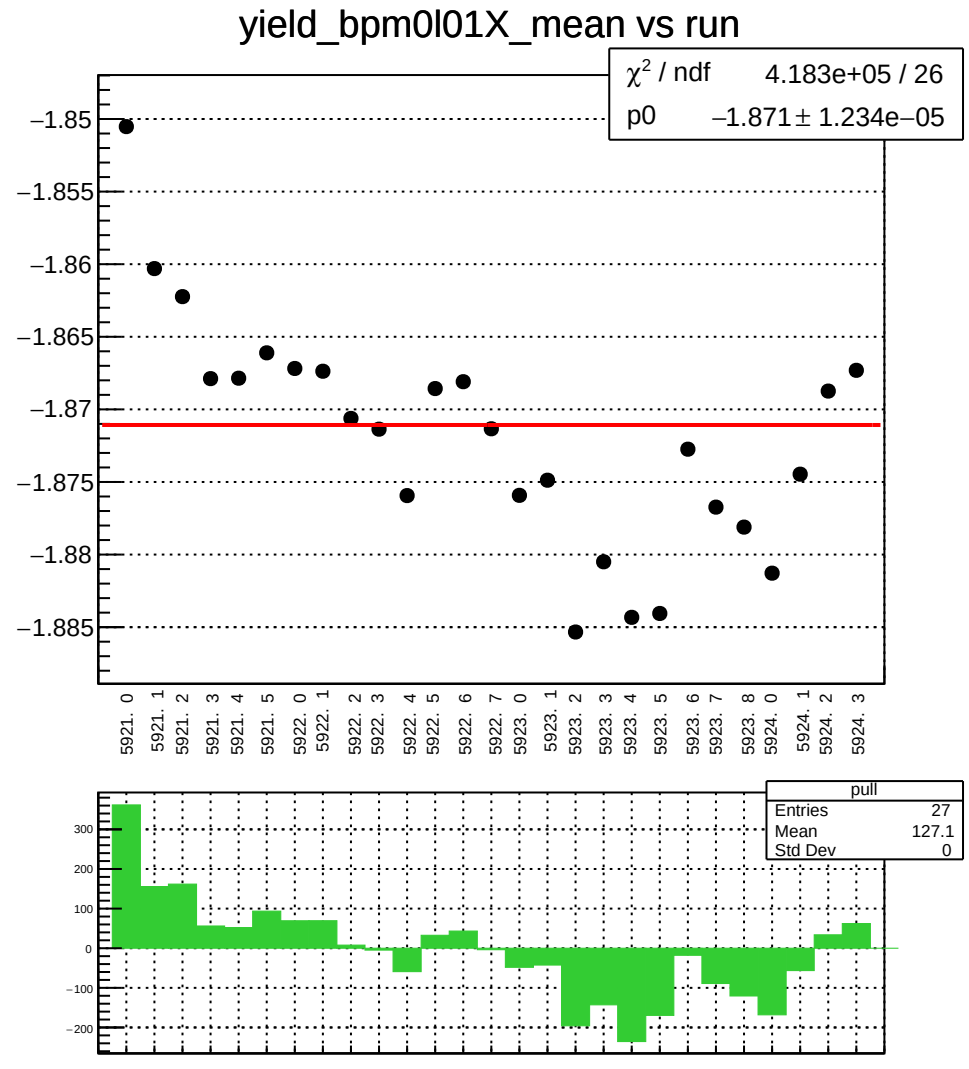

pull1D
Entries 27
Mean −2.117
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

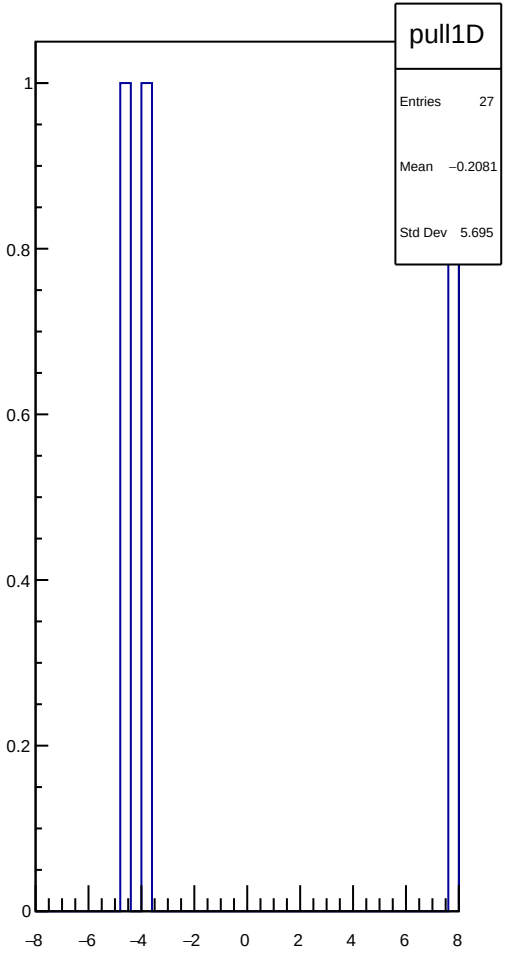

yield_bpm0i01aX_rms vs run
χ² / ndf 6084 / 26
p0 0.006026 ± 8.429e−06
0.013
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

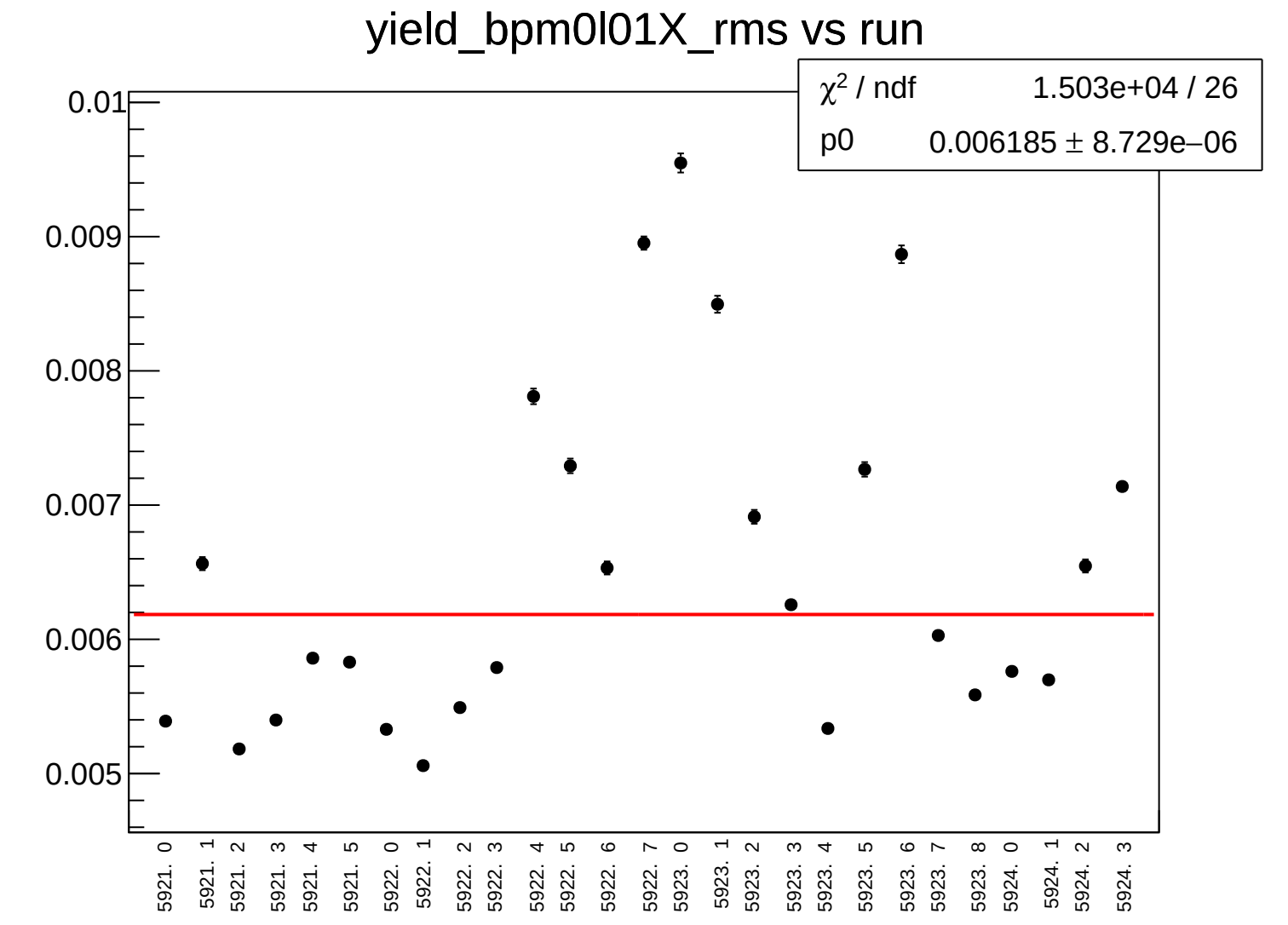

yield_bpm0i01aY_mean vs run
χ² / ndf 4.369e+05 / 26
p0 1.077 ± 3.518e−06
1.094
1.092
1.09
1.088
1.086
1.084
1.082
1.08
1.078
1.076
1.074
1.072
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 160
Std Dev 0
200
150
100
50
0
−50
−100
−150
−200

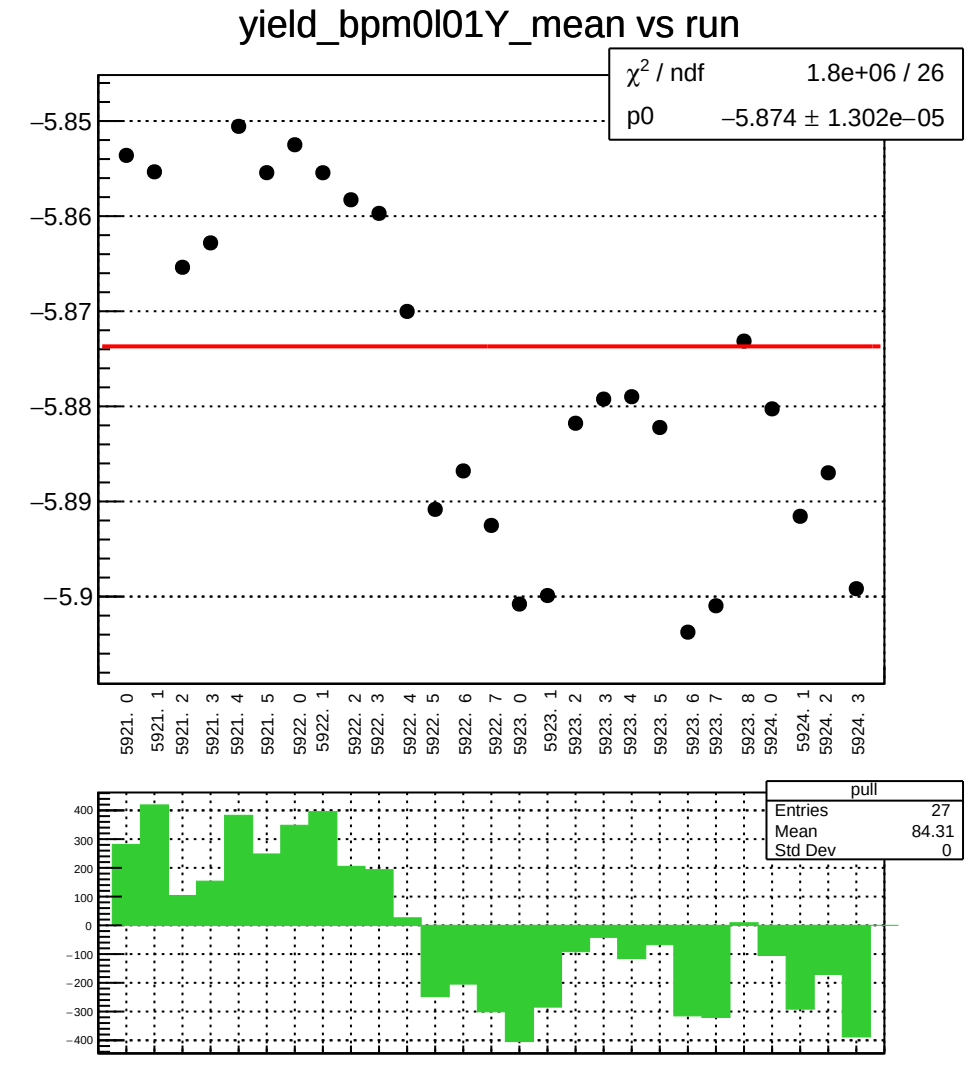

pull1D
Entries 27
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

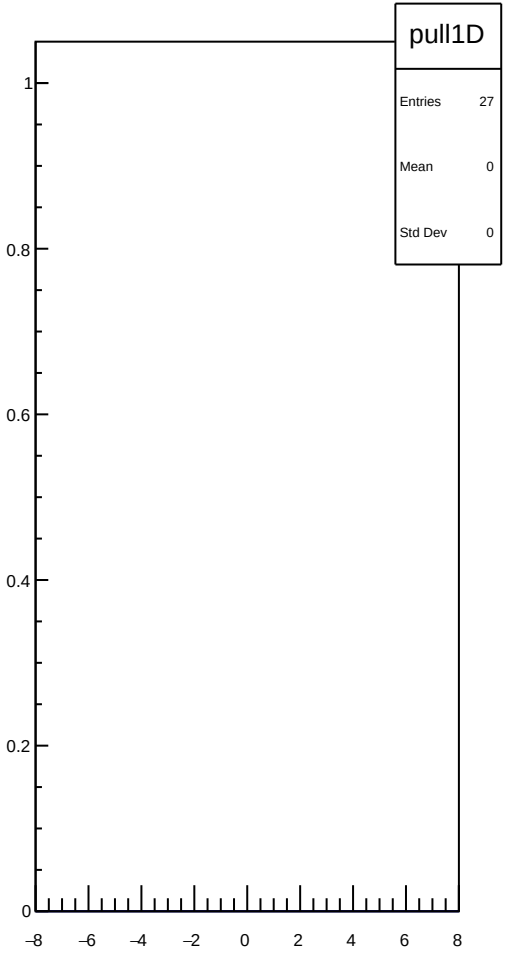

yield_bpm0i01aY_rms vs run
χ² / ndf 1.511e+04 / 26
p0 0.001762 ± 2.488e−06
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

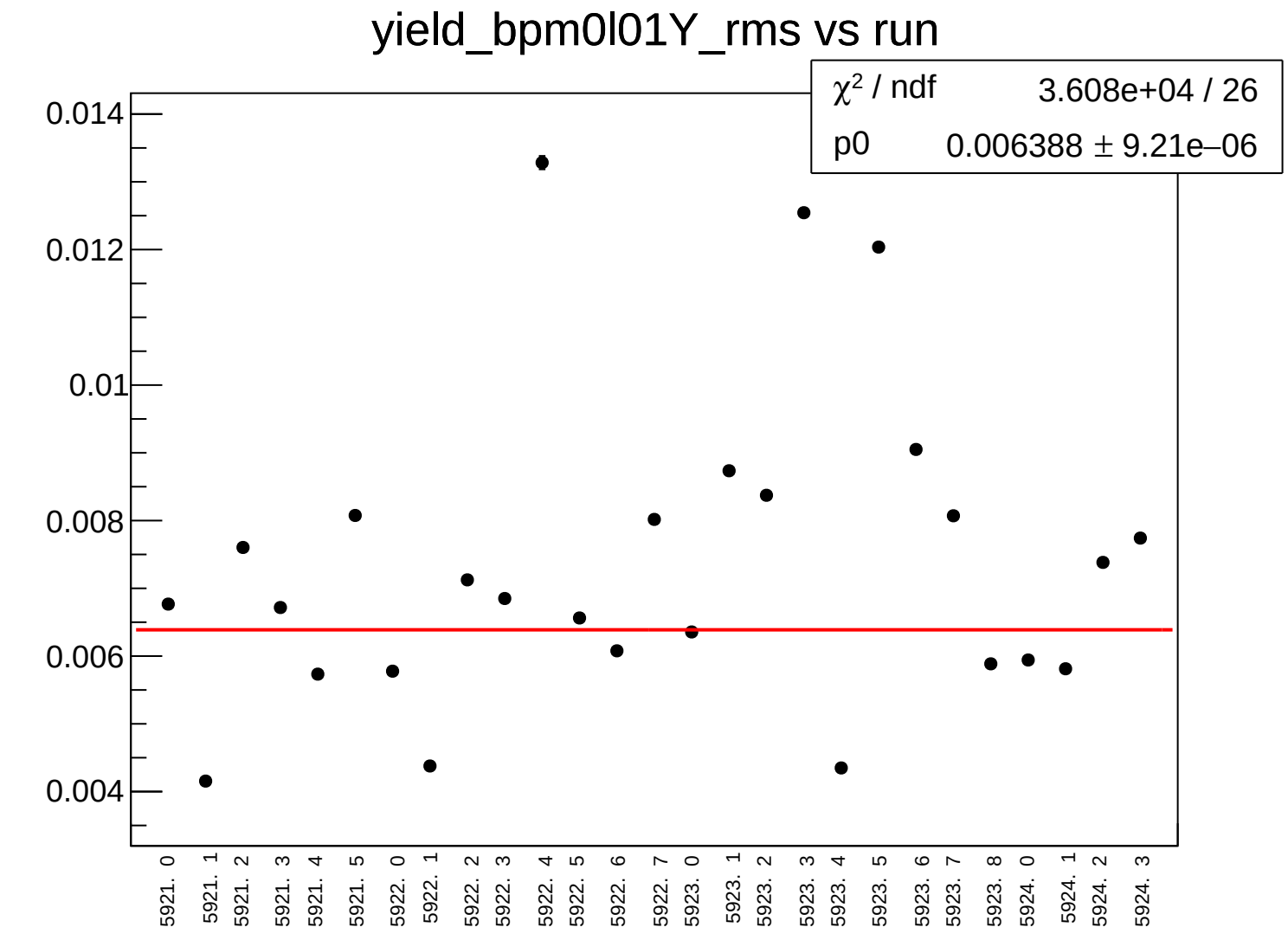

yield_bpm0l01X_mean vs run
χ² / ndf 4.183e+05 / 26
p0 −1.871 ± 1.234e−05
−1.85
−1.855
−1.86
−1.865
−1.87
−1.875
−1.88
−1.885
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 127.1
Std Dev 0
300
200
100
0
−100
−200

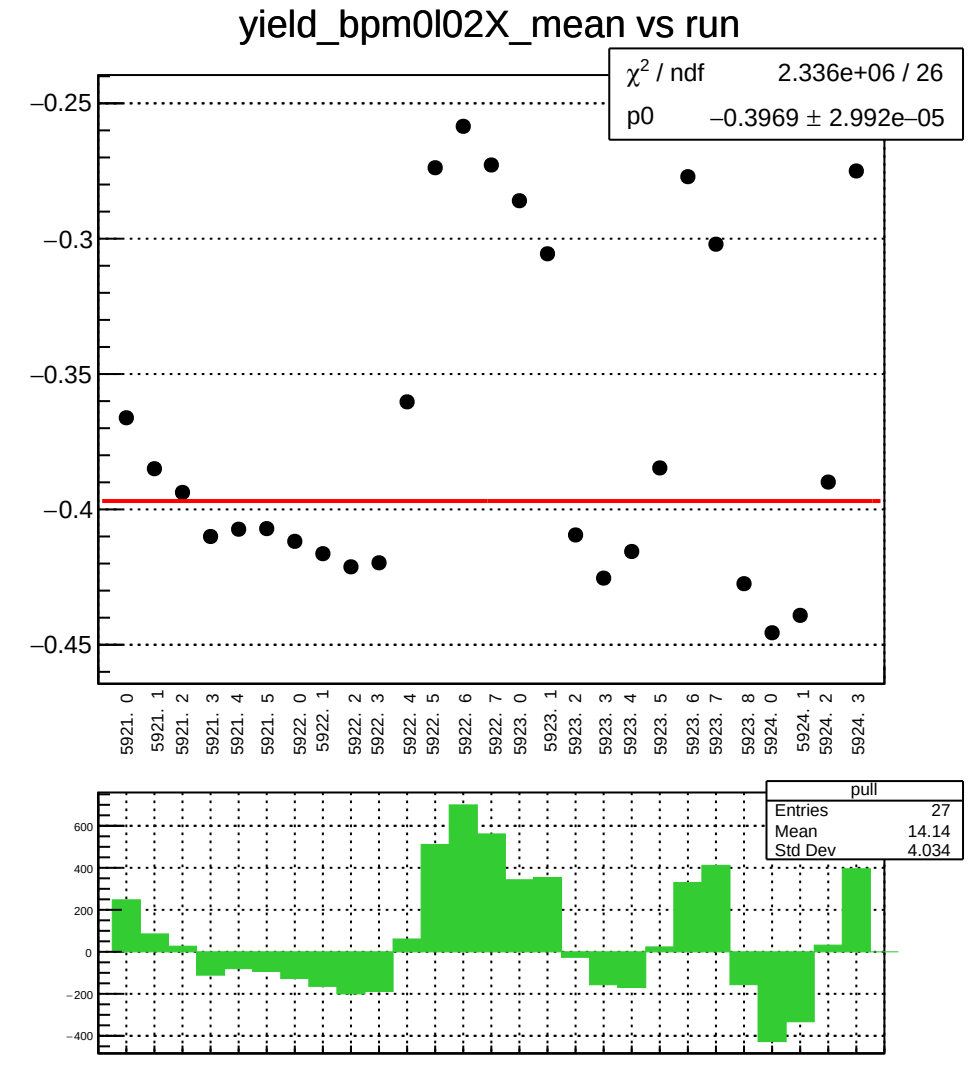

pull1D
Entries 27
Mean −0.2081
Std Dev 5.695
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

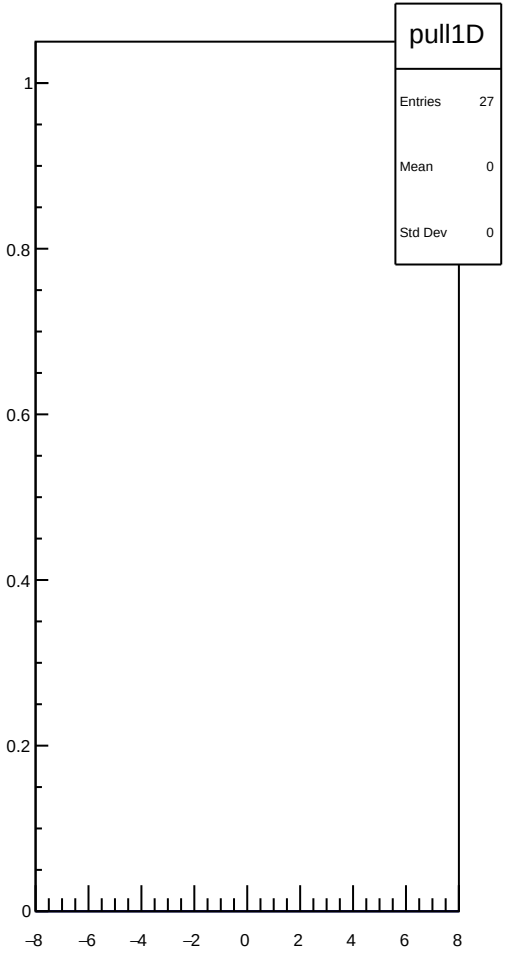

yield_bpm0l01X_rms vs run
χ² / ndf 1.503e+04 / 26
p0 0.006185 ± 8.729e−06
0.01
0.009
0.008
0.007
0.006
0.005
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

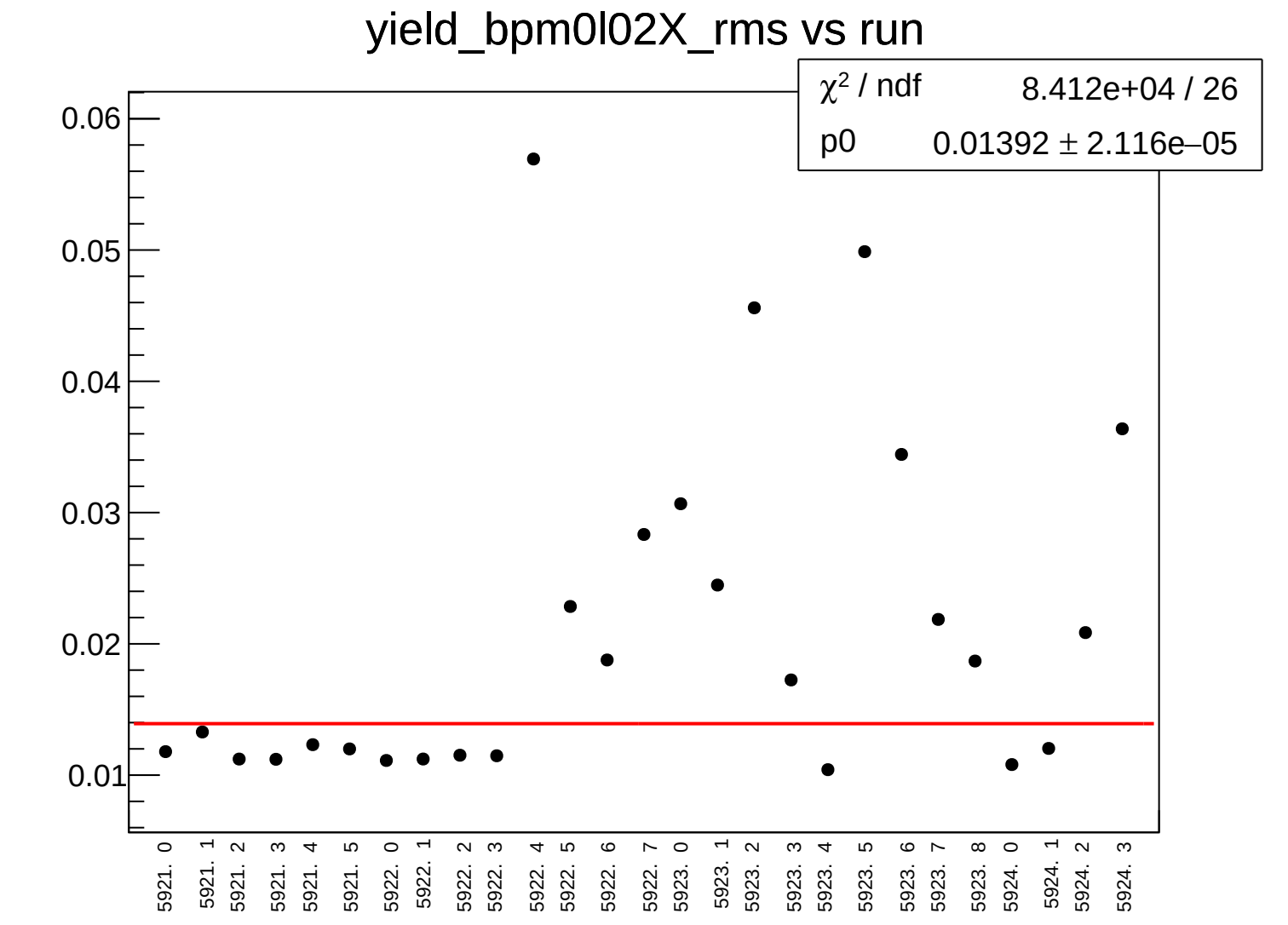

yield_bpm0l01Y_mean vs run
χ² / ndf 1.8e+06 / 26
p0 −5.874 ± 1.302e−05
−5.85
−5.86
−5.87
−5.88
−5.89
−5.9
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 84.31
Std Dev 0
400
300
200
100
0
−100
−200
−300
−400

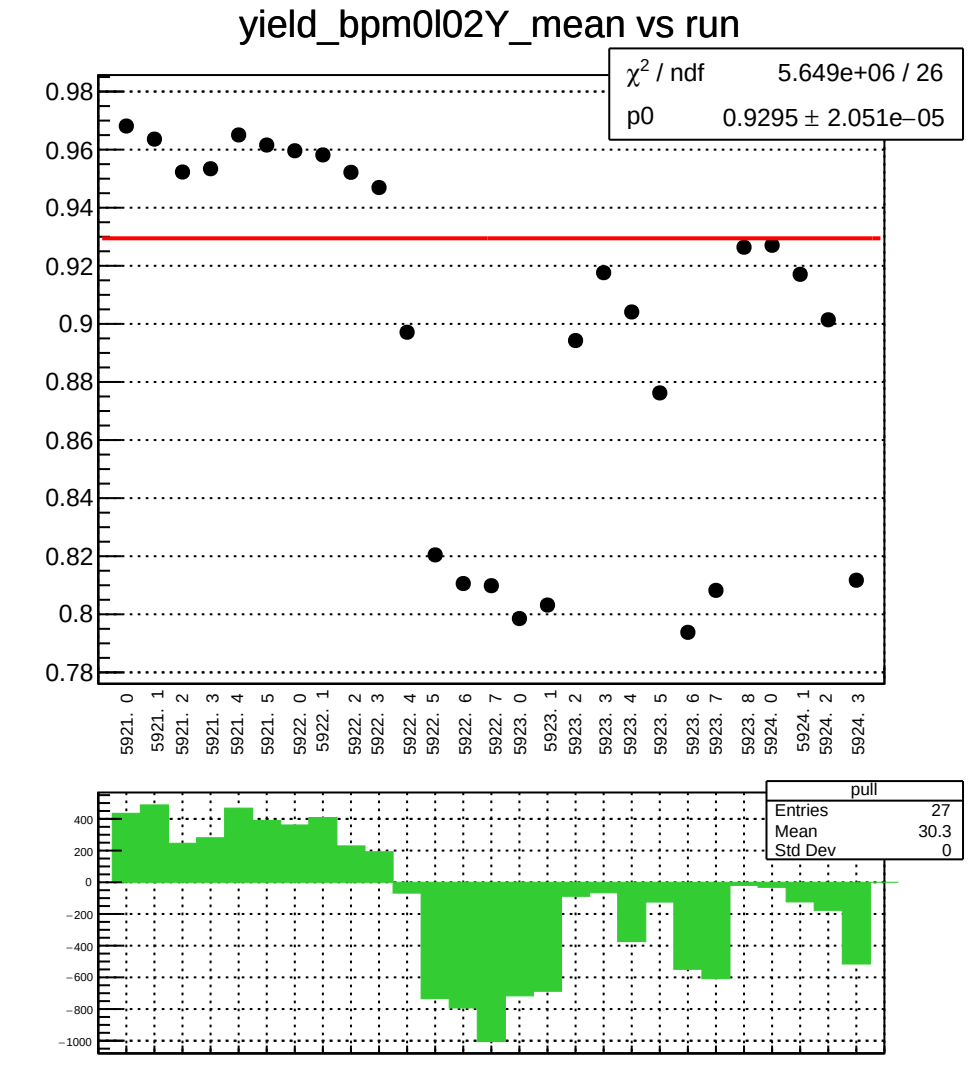

pull1D
Entries 27
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

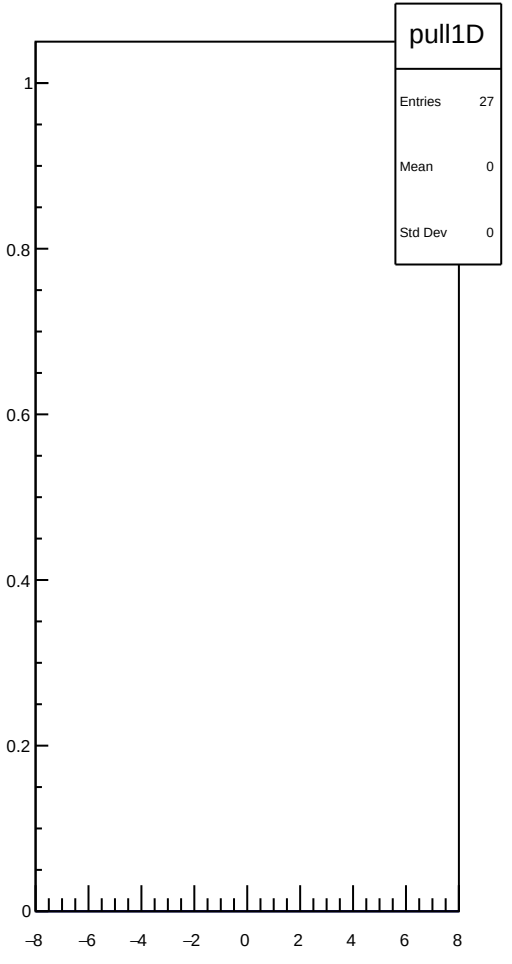

yield_bpm0l01Y_rms vs run
χ² / ndf 3.608e+04 / 26
p0 0.006388 ± 9.21e–06
0.014
0.012
0.01
0.008
0.006
0.004
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

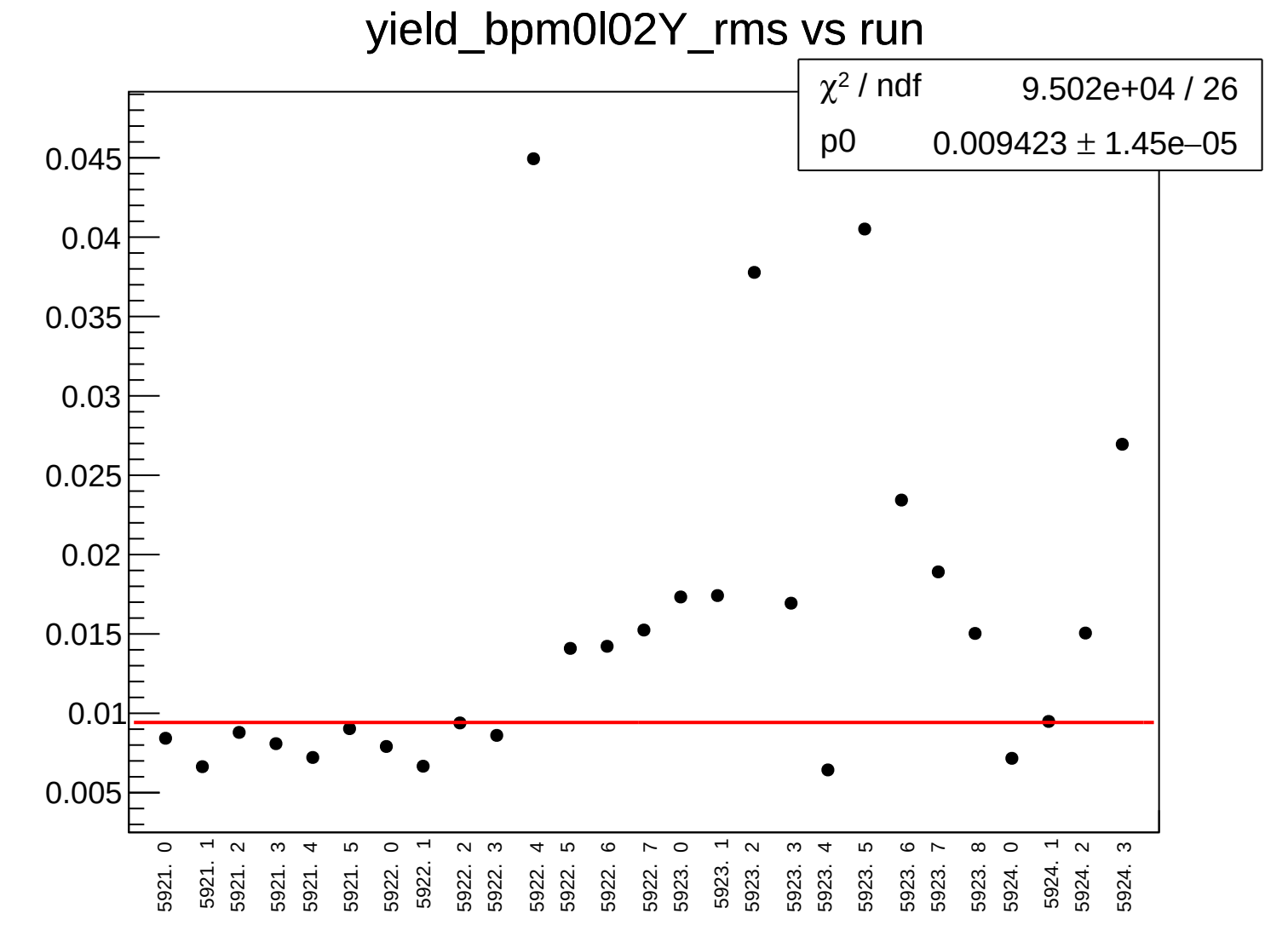

yield_bpm0l02X_mean vs run
χ² / ndf 2.336e+06 / 26
p0 −0.3969 ± 2.992e−05
−0.25
−0.3
−0.35
−0.4
−0.45
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 14.14
Std Dev 4.034
600
400
200
0
−200
−400

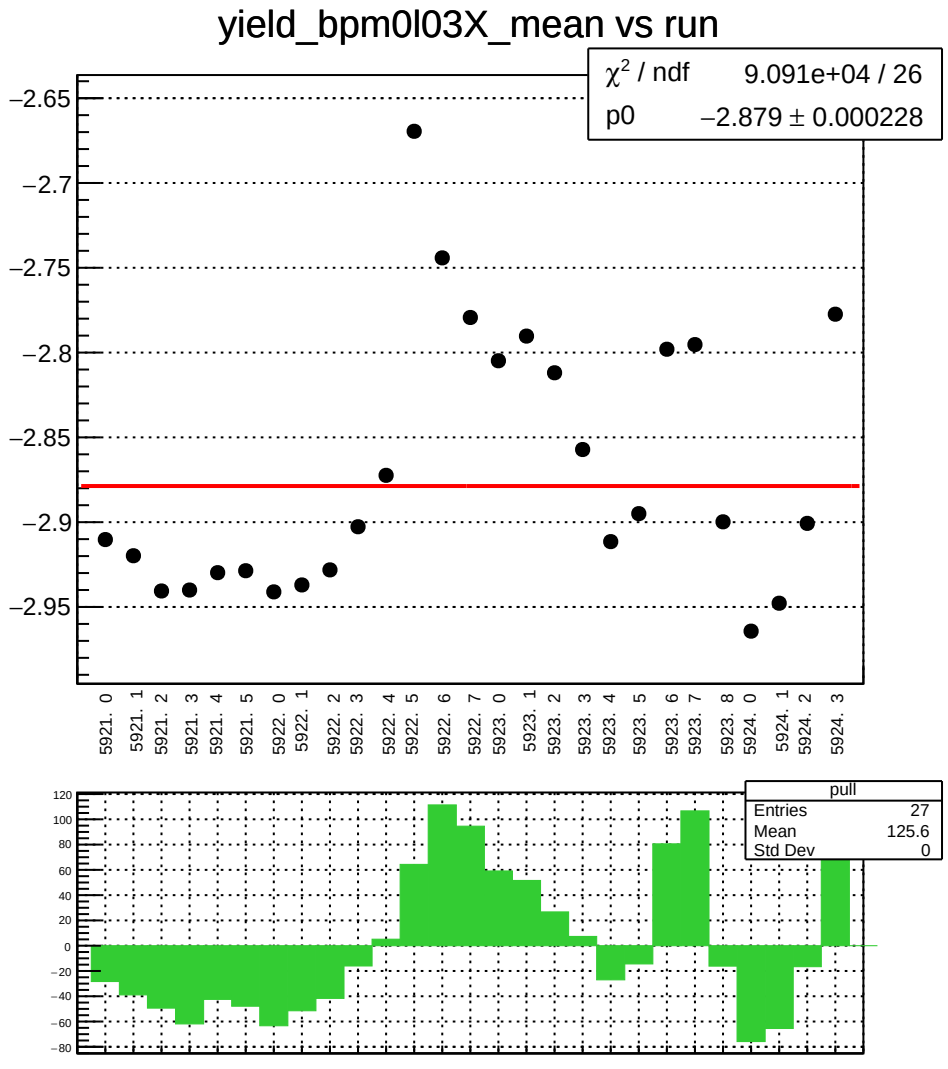

pull1D
Entries 27
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

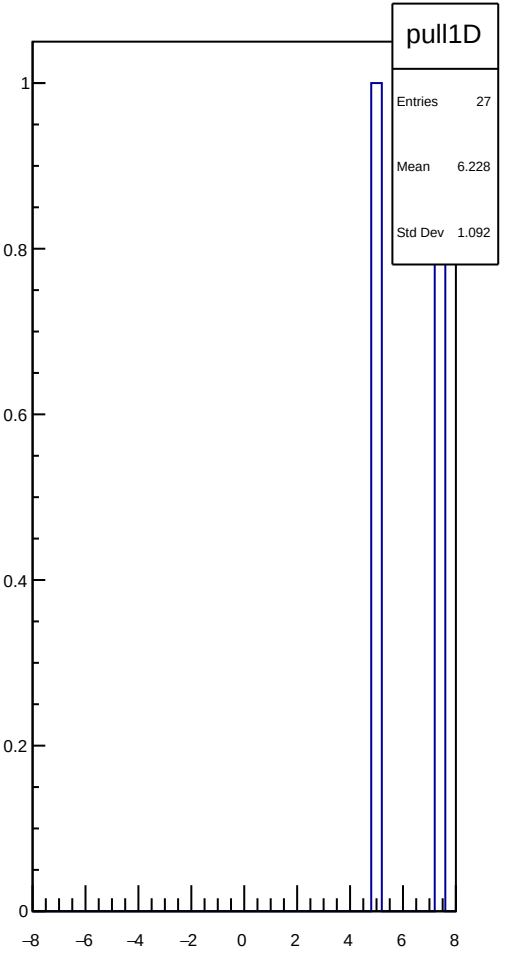

yield_bpm0l02X_rms vs run
χ² / ndf 8.412e+04 / 26
p0 0.01392 ± 2.116e−05
0.06
0.05
0.04
0.03
0.02
0.01
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

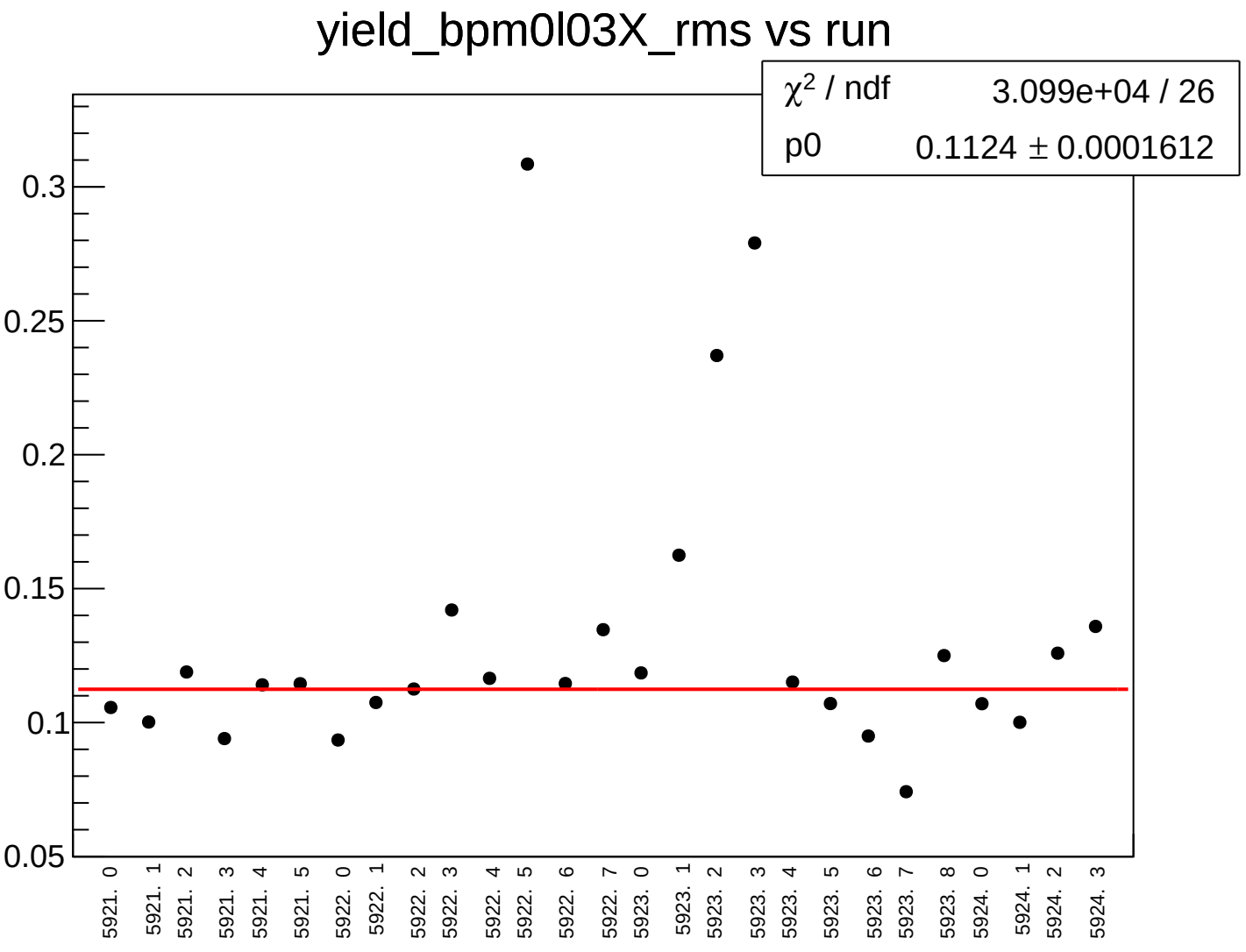

yield_bpm0l02Y_mean vs run
χ² / ndf 5.649e+06 / 26
p0 0.9295 ± 2.051e−05
0.98
0.96
0.94
0.92
0.9
0.88
0.86
0.84
0.82
0.8
0.78
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 30.3
Std Dev 0
400
200
0
−200
−400
−600
−800
−1000

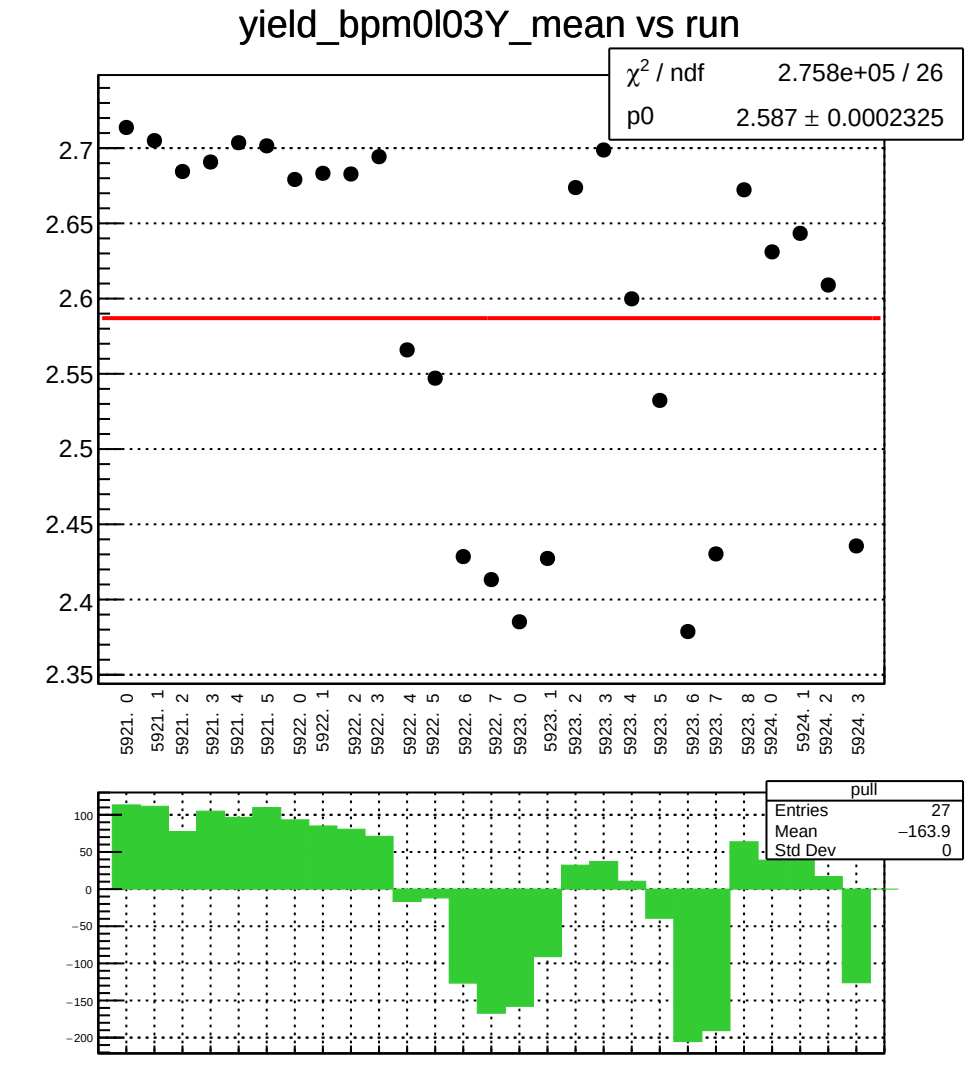

pull1D
Entries 27
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

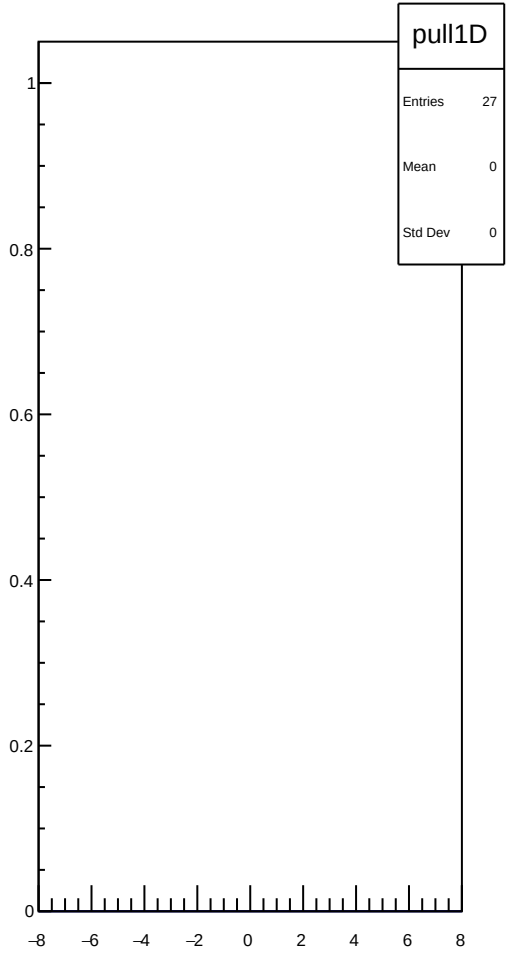

yield_bpm0l02Y_rms vs run
χ² / ndf 9.502e+04 / 26
p0 0.009423 ± 1.45e−05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

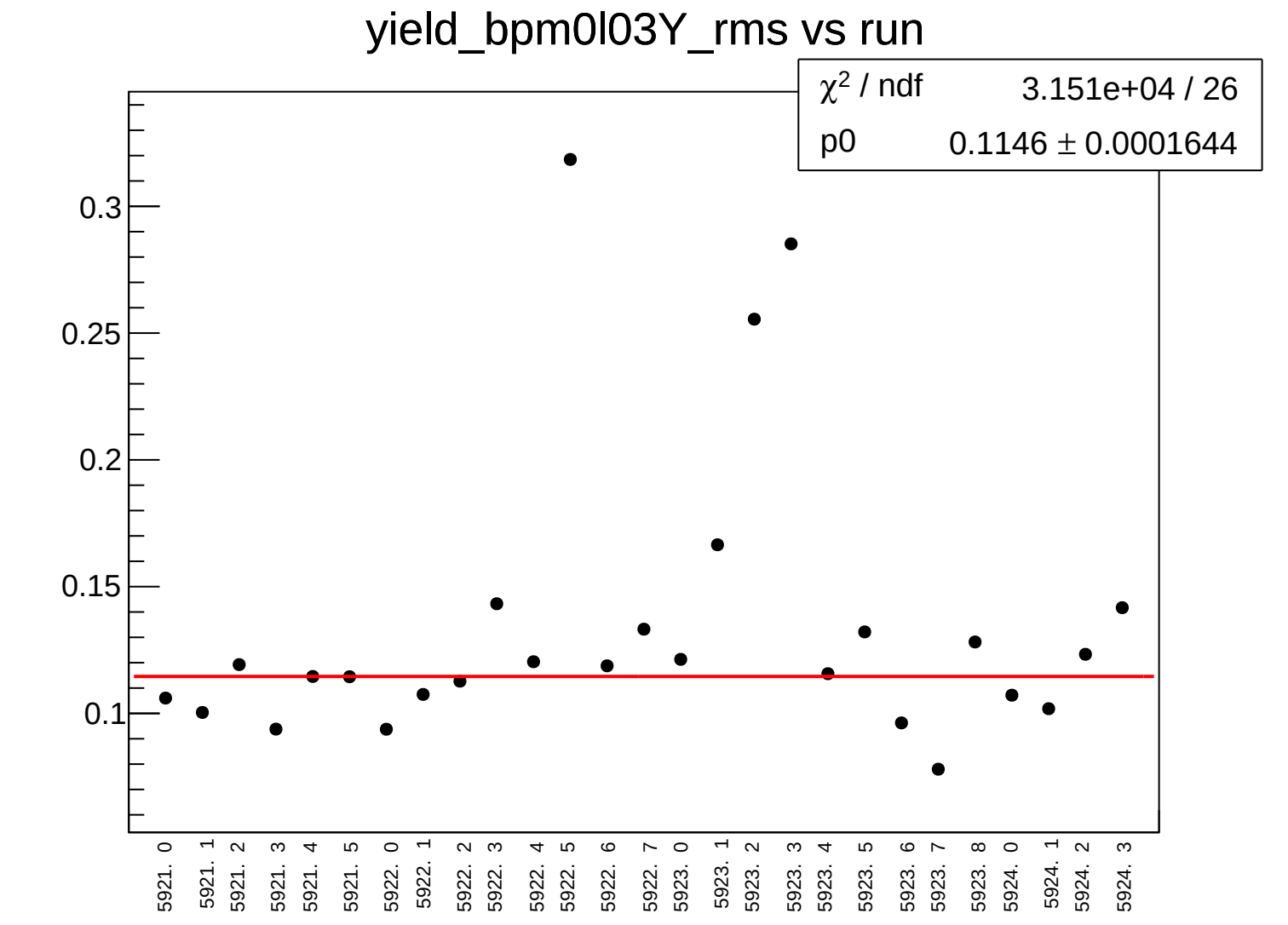

yield_bpm0l03X_mean vs run
χ² / ndf 9.091e+04 / 26
p0 −2.879 ± 0.000228
−2.65
−2.7
−2.75
−2.8
−2.85
−2.9
−2.95
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 125.6
Std Dev 0
120
100
80
60
40
20
0
−20
−40
−60
−80

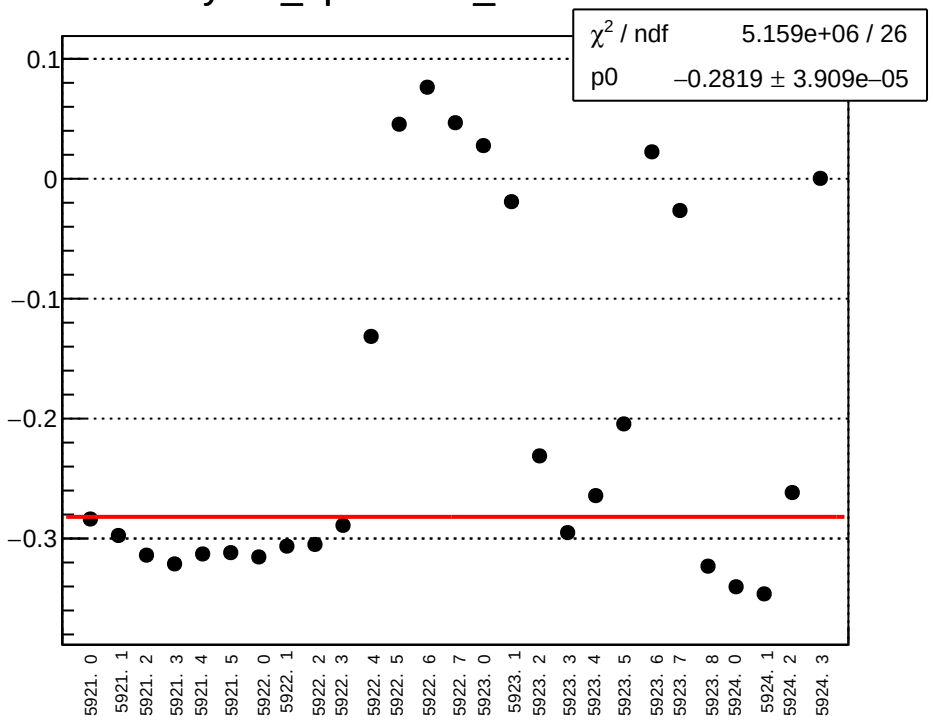

pull1D
Entries 27
Mean 6.228
Std Dev 1.092
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

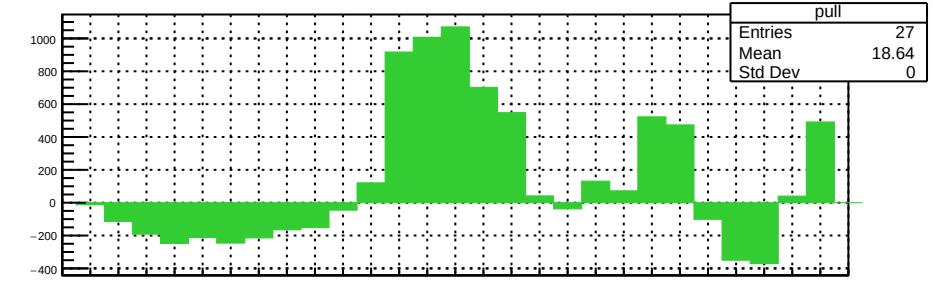

yield_bpm0l03X_rms vs run
χ² / ndf 3.099e+04 / 26
p0 0.1124 ± 0.0001612
0.3
0.25
0.2
0.15
0.1
0.05
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

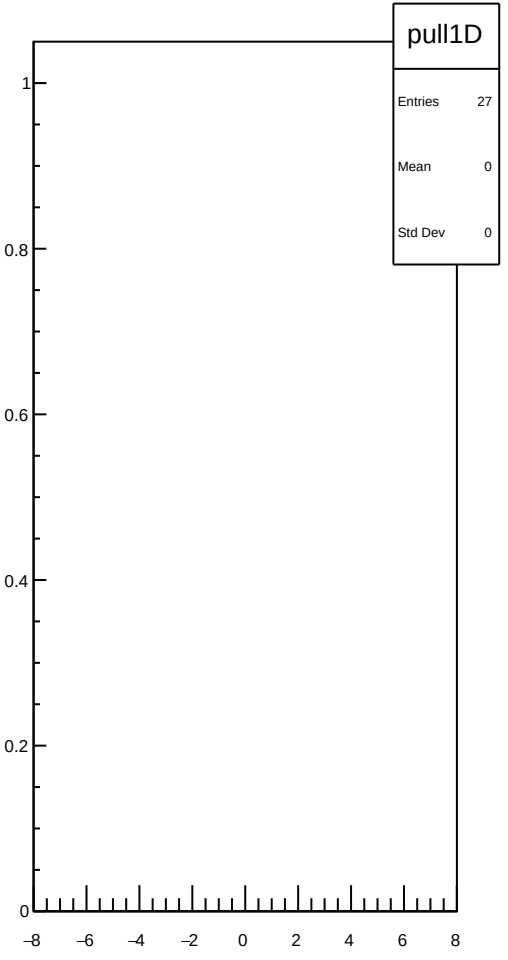

yield_bpm0l03Y_mean vs run
χ² / ndf 2.758e+05 / 26
p0 2.587 ± 0.0002325
pull
Entries 27
Mean −163.9
Std Dev 0

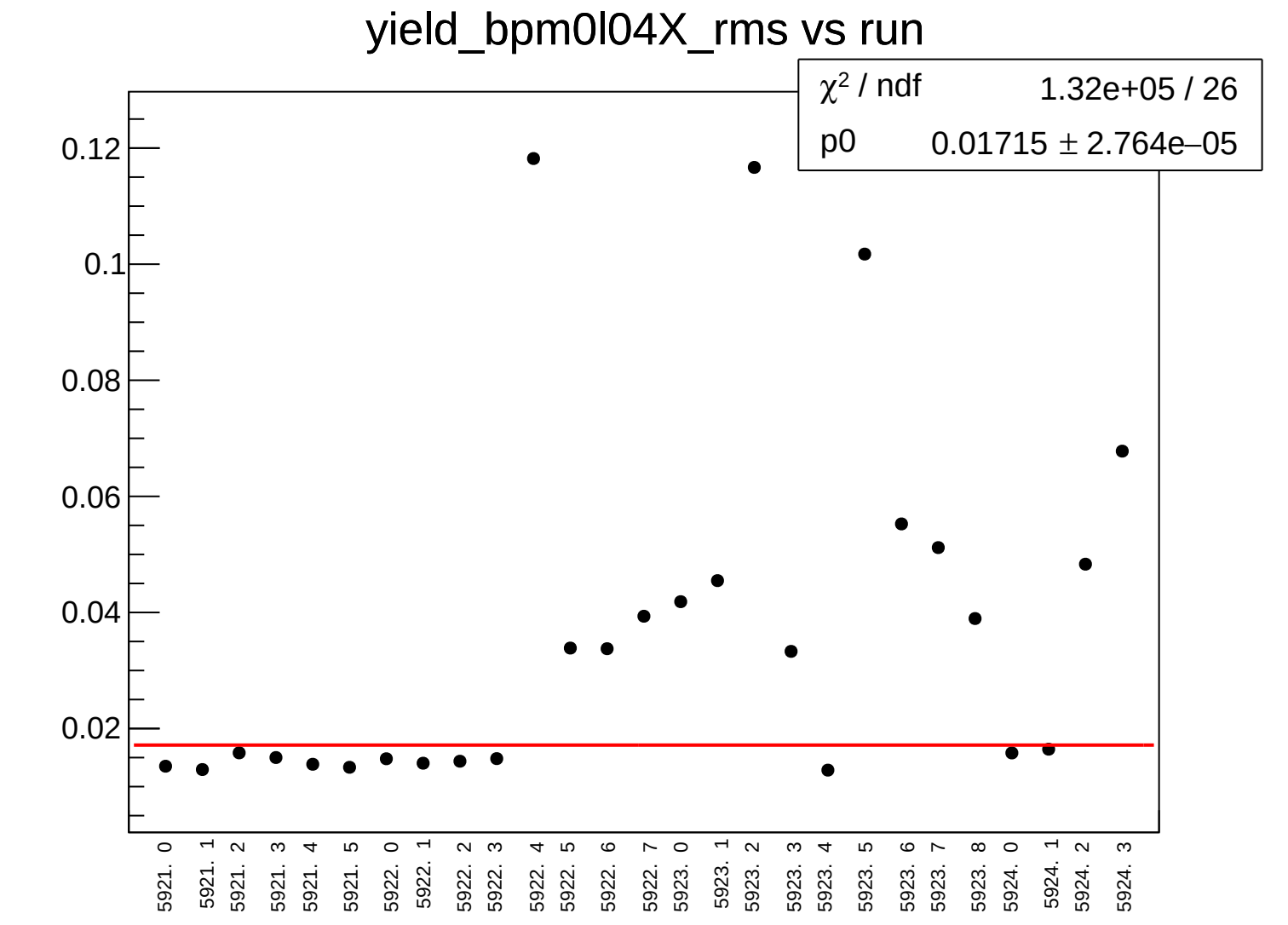

pull1D
Entries 27
Mean 0
Std Dev 0

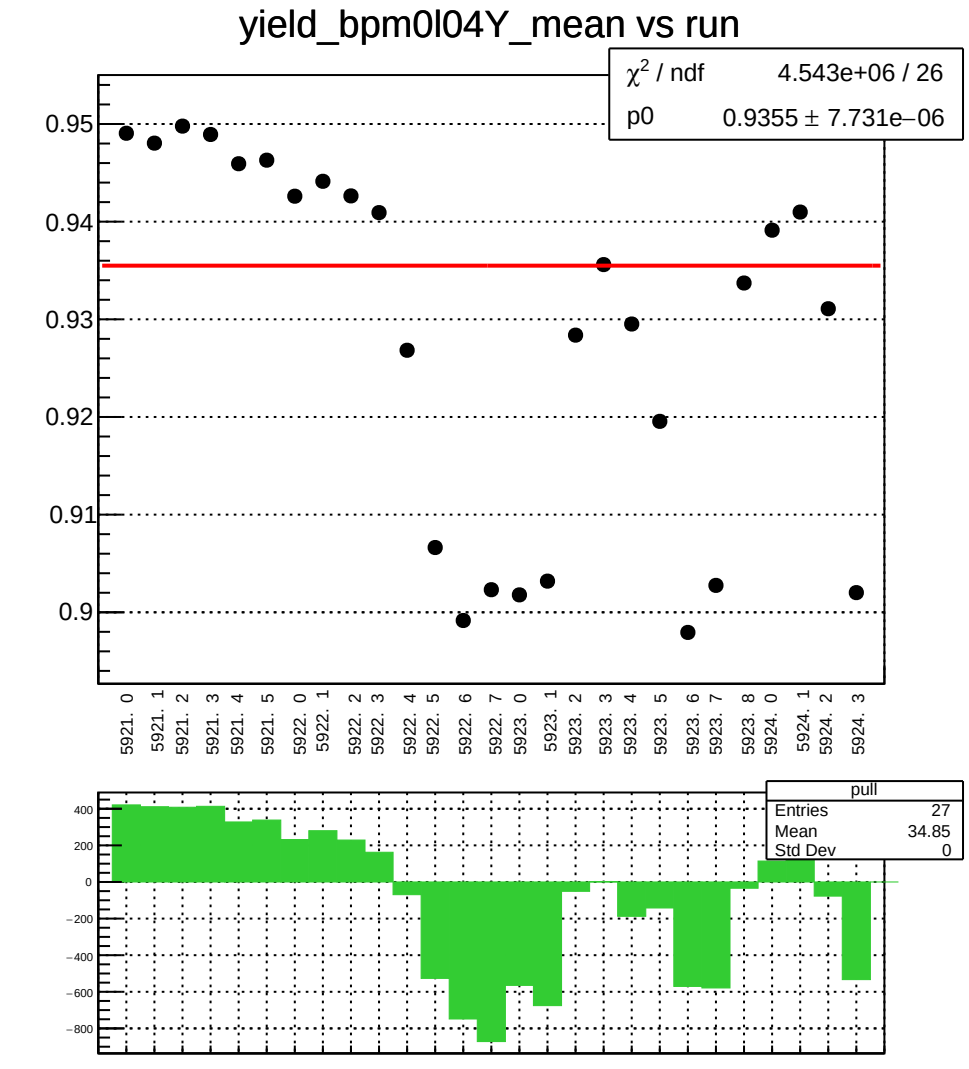

yield_bpm0l03Y_rms vs run
χ² / ndf 3.151e+04 / 26
p0 0.1146 ± 0.0001644
0.3
0.25
0.2
0.15
0.1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

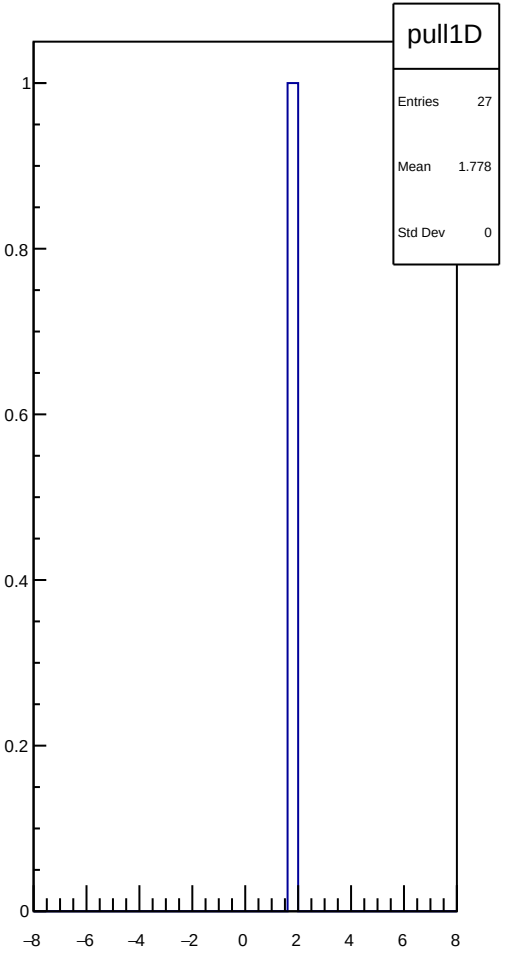

yield_bpm0l04X_mean vs run
χ² / ndf 5.159e+06 / 26
p0 −0.2819 ± 3.909e−05
0.1
0
−0.1
−0.2
−0.3
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

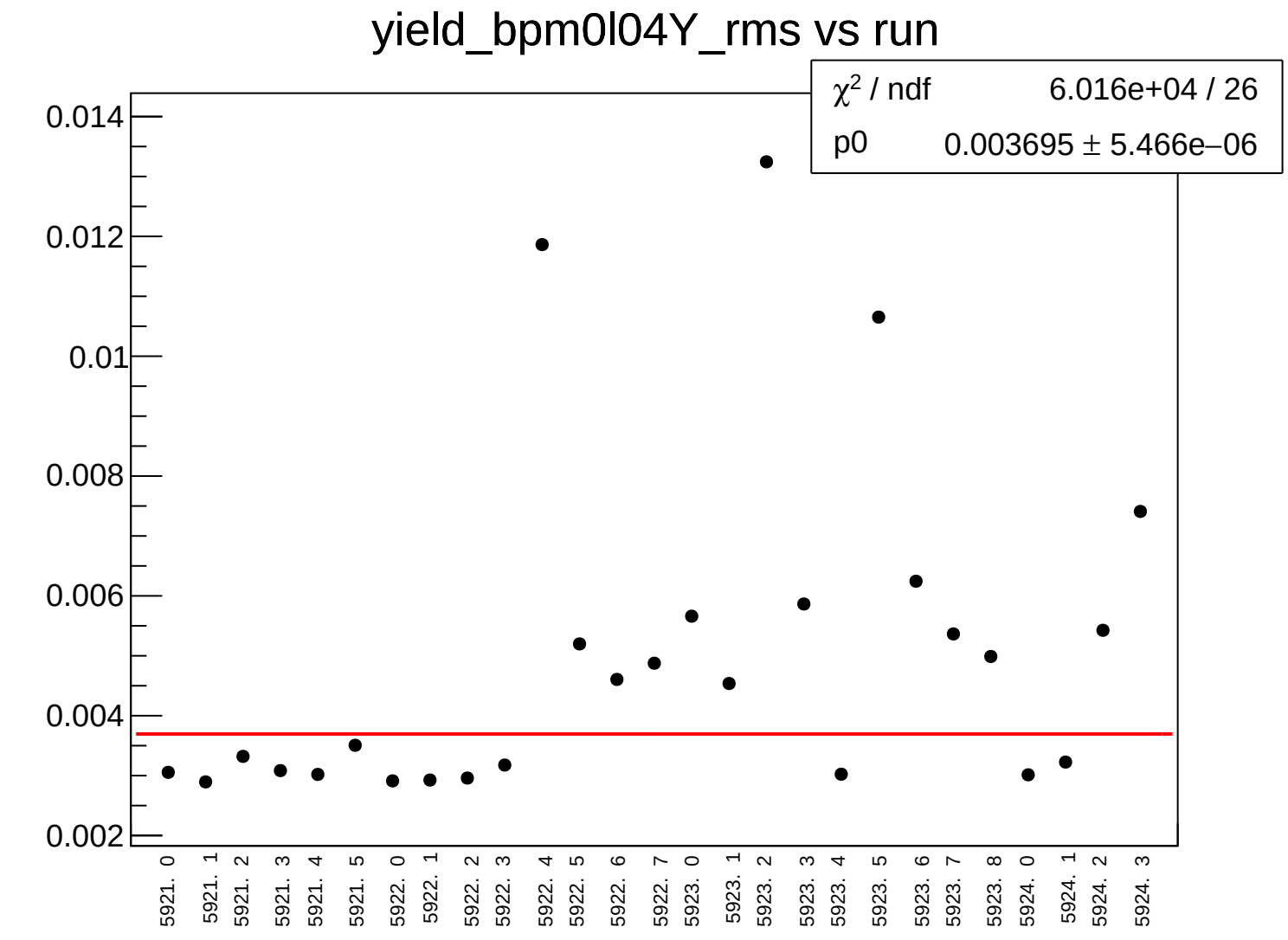

pull
Entries 27
Mean 18.64
Std Dev 0
1000
800
600
400
200
0
−200
−400

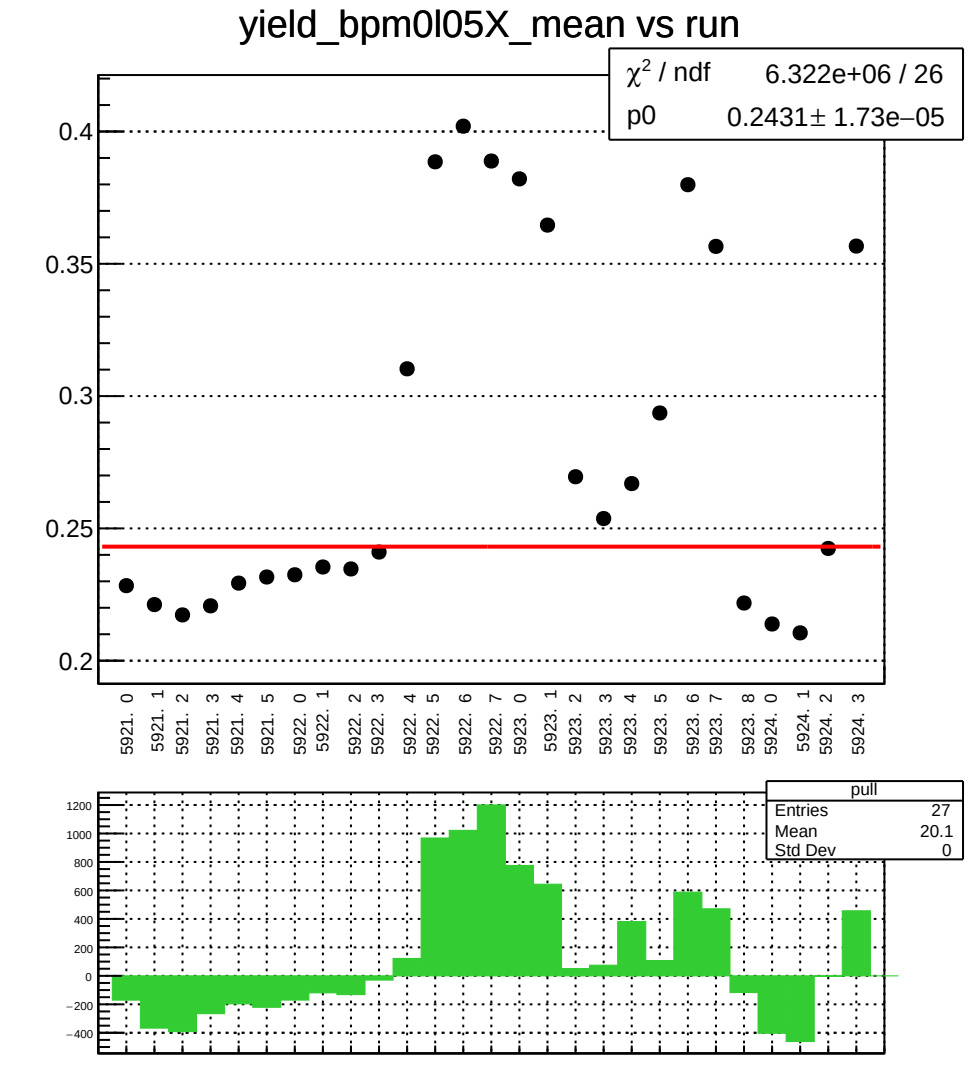

pull1D
Entries 27
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

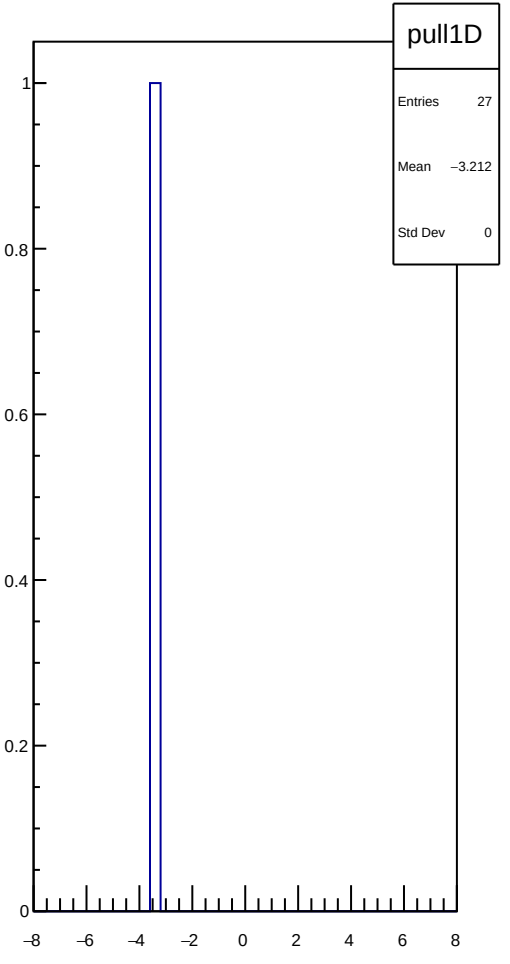

yield_bpm0l04X_rms vs run
χ² / ndf 1.32e+05 / 26
p0 0.01715 ± 2.764e–05
0.12
0.1
0.08
0.06
0.04
0.02
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

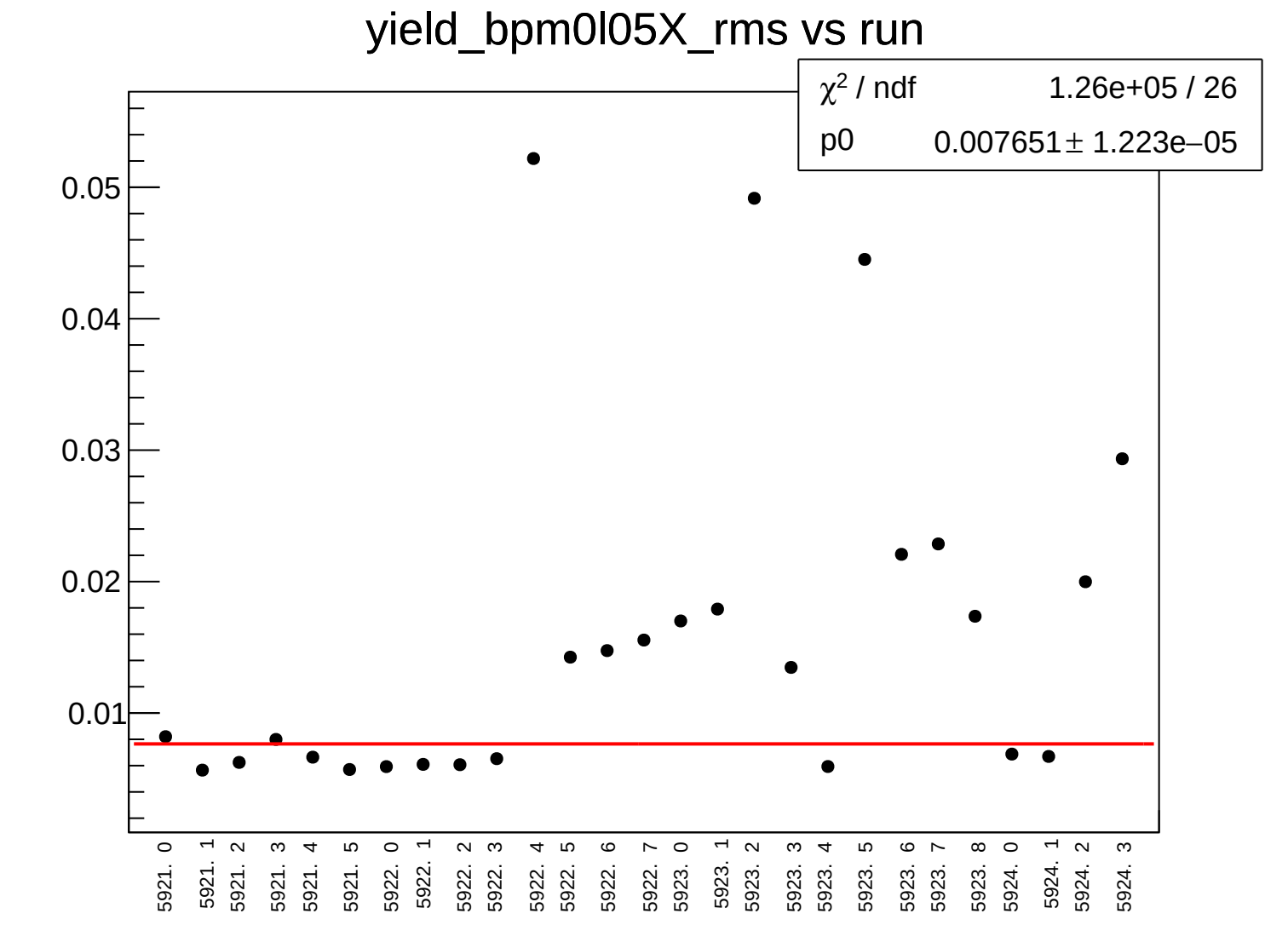

yield_bpm0l04Y_mean vs run
χ² / ndf 4.543e+06 / 26
p0 0.9355 ± 7.731e−06
0.95
0.94
0.93
0.92
0.91
0.9
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 34.85
Std Dev 0
400
200
0
−200
−400
−600
−800

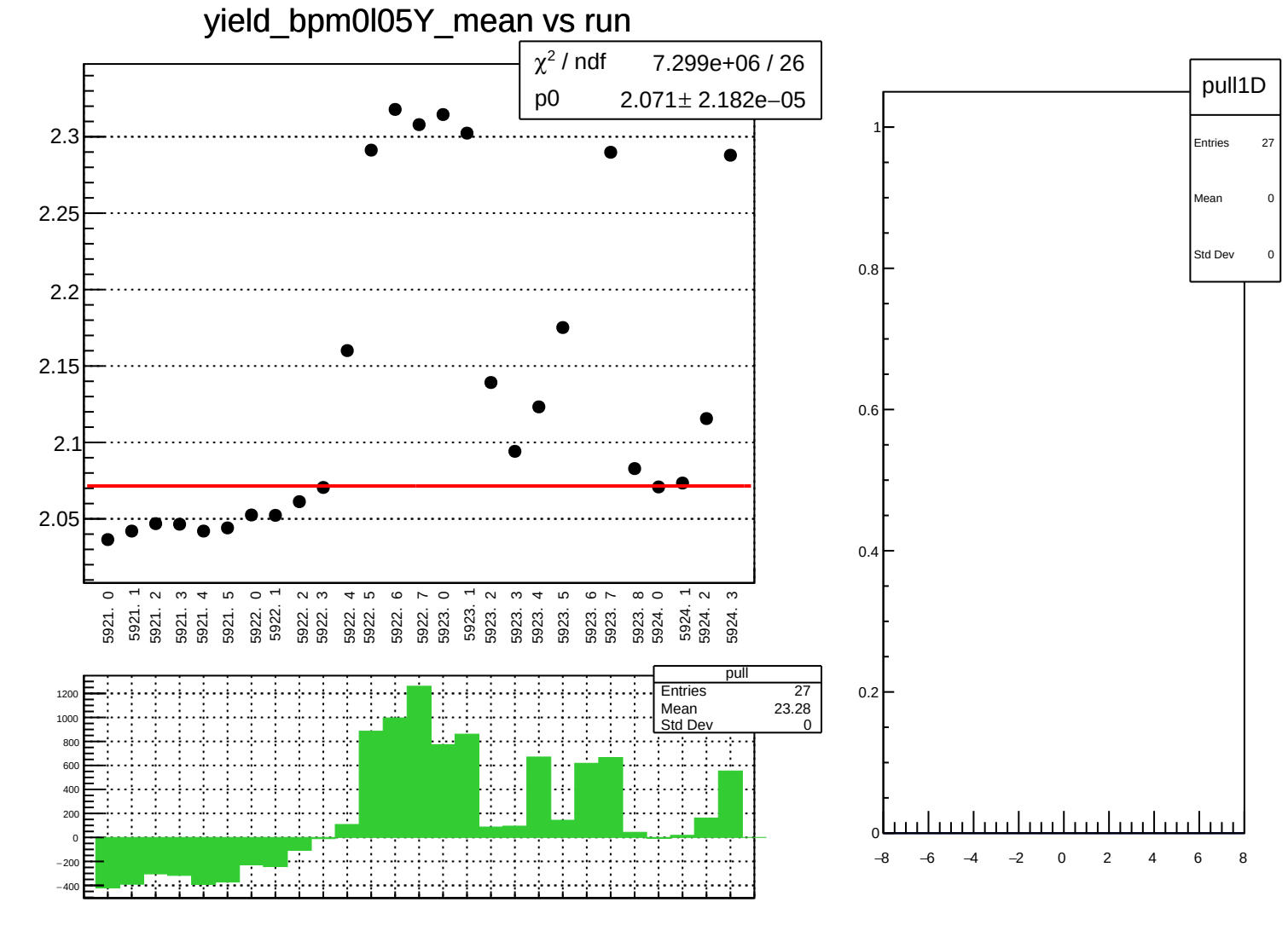

pull1D
Entries 27
Mean 1.778
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

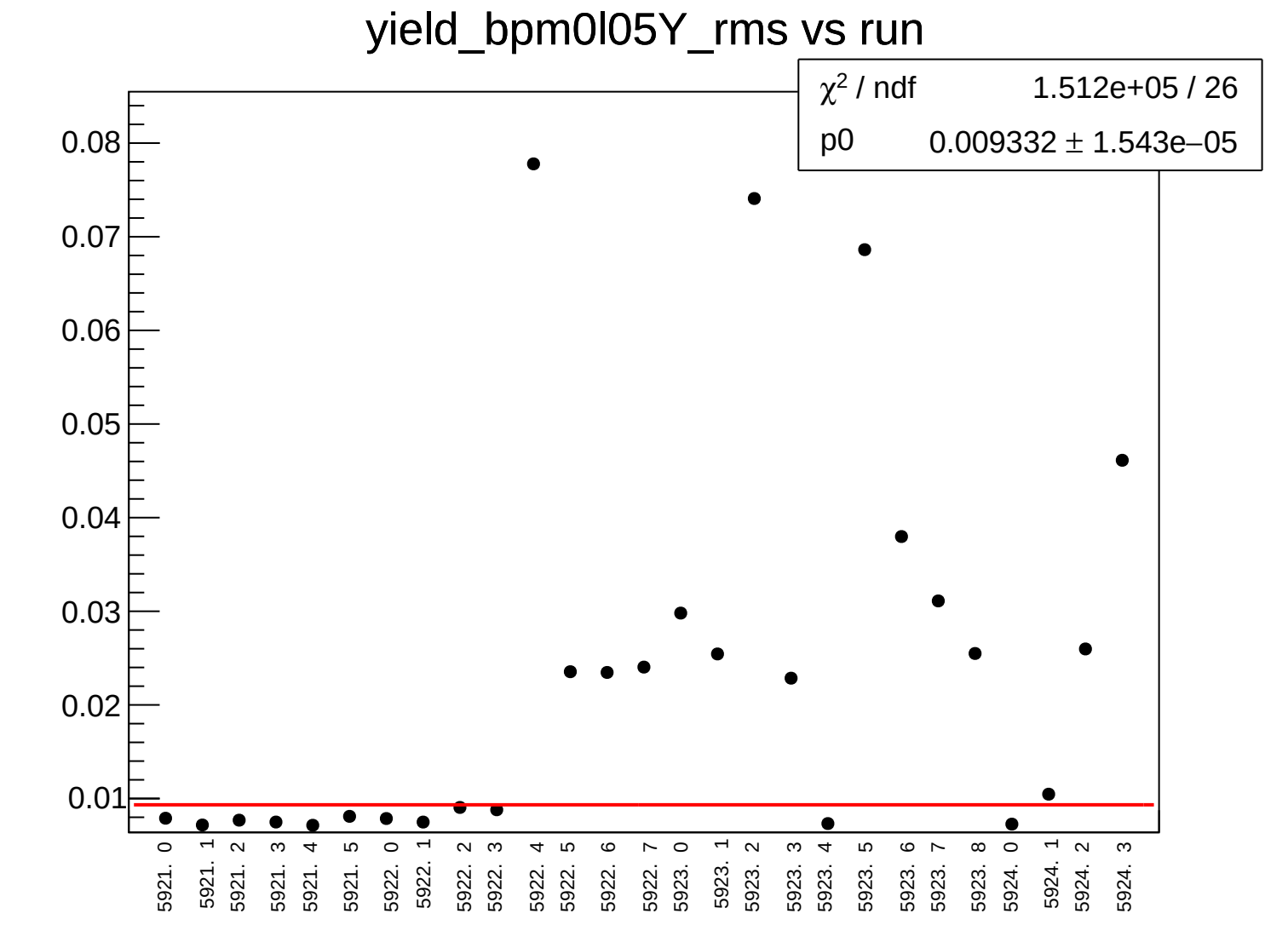

yield_bpm0l04Y_rms vs run
χ² / ndf 6.016e+04 / 26
p0 0.003695 ± 5.466e−06
0.014
0.012
0.01
0.008
0.006
0.004
0.002
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

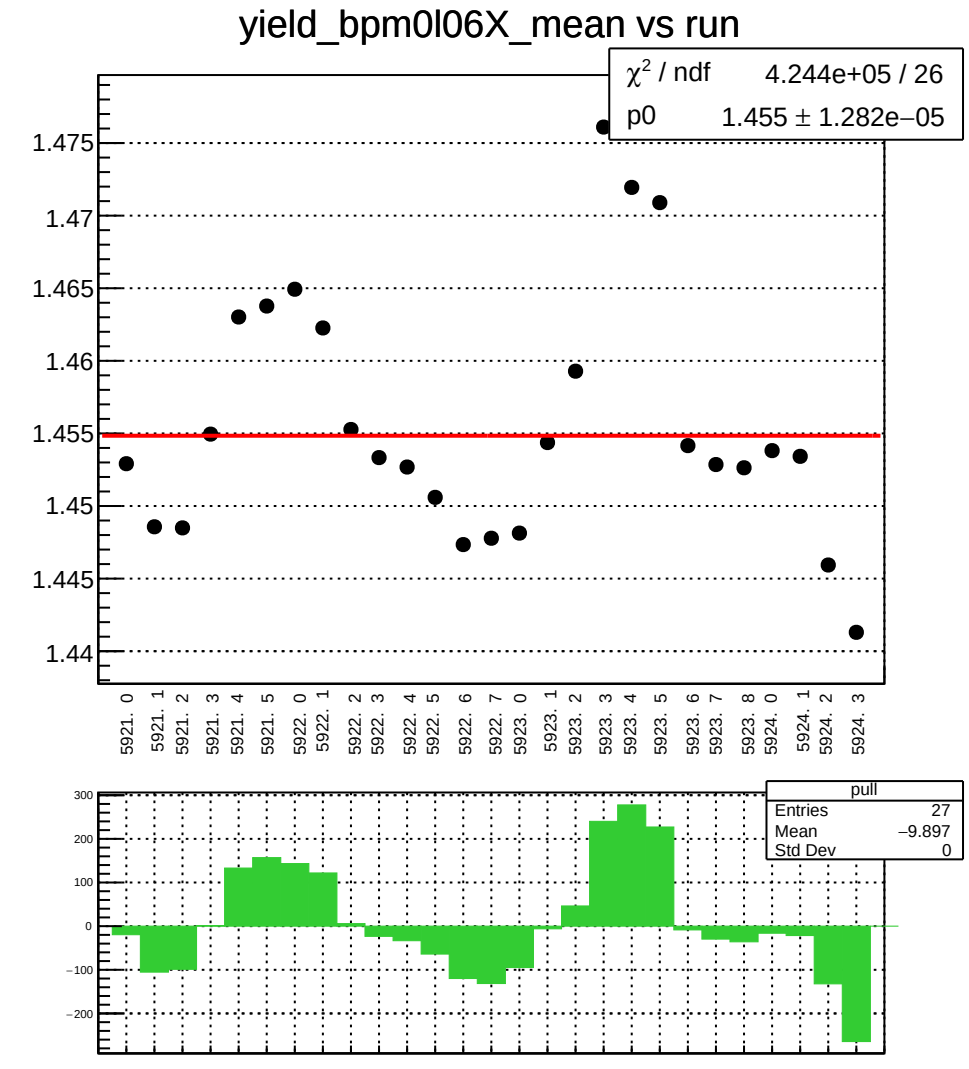

yield_bpm0l05X_mean vs run
χ² / ndf 6.322e+06 / 26
p0 0.2431± 1.73e−05
0.4
0.35
0.3
0.25
0.2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 20.1
Std Dev 0
1200
1000
800
600
400
200
0
−200
−400

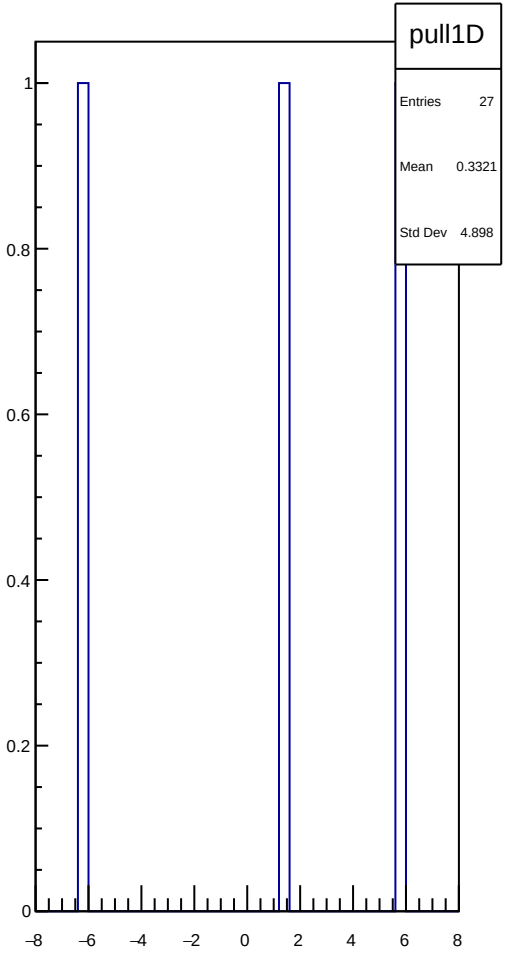

pull1D
Entries 27
Mean −3.212
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

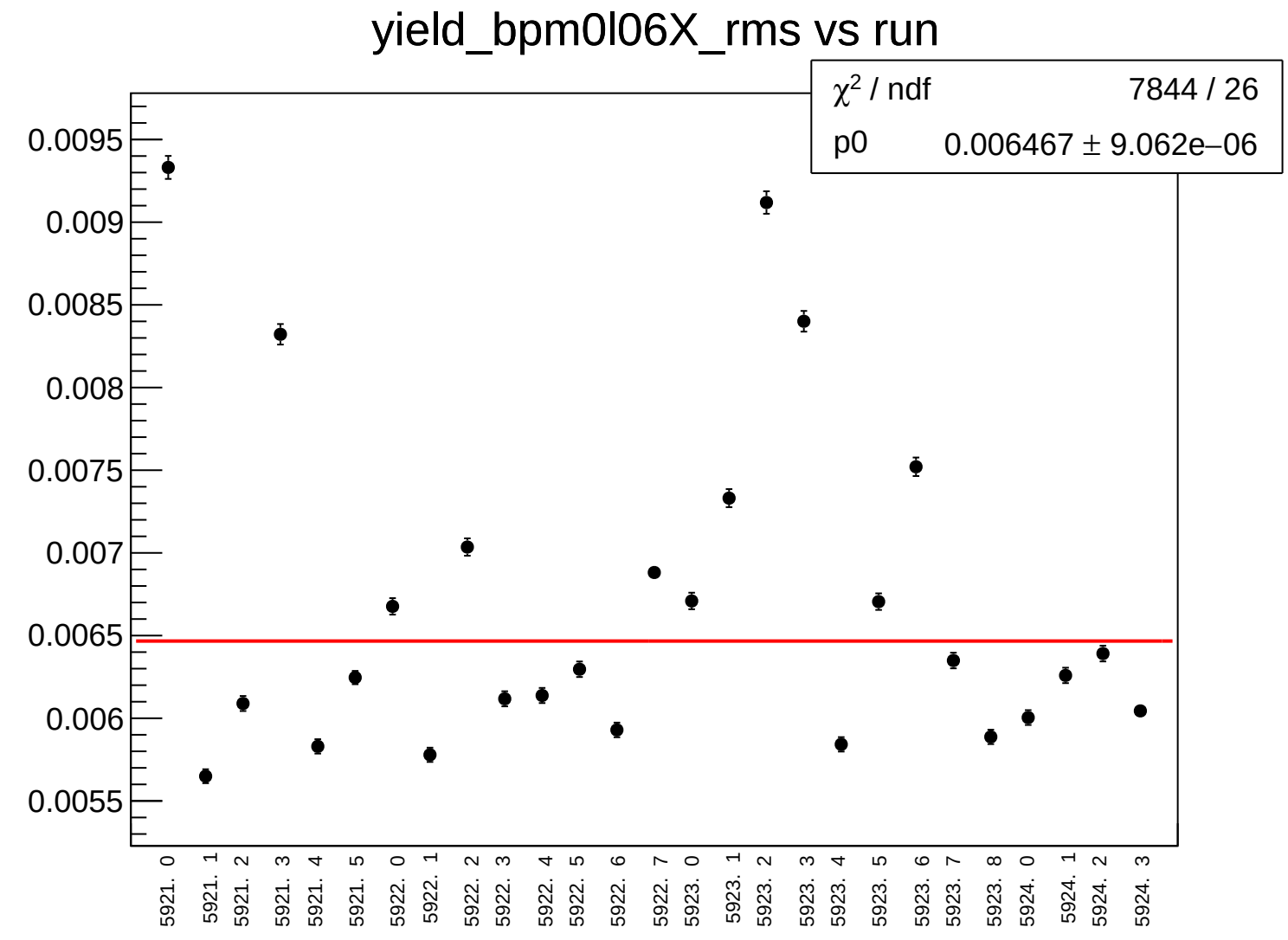

yield_bpm0l05X_rms vs run
χ² / ndf 1.26e+05 / 26
p0 0.007651 ± 1.223e−05
0.05
0.04
0.03
0.02
0.01
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

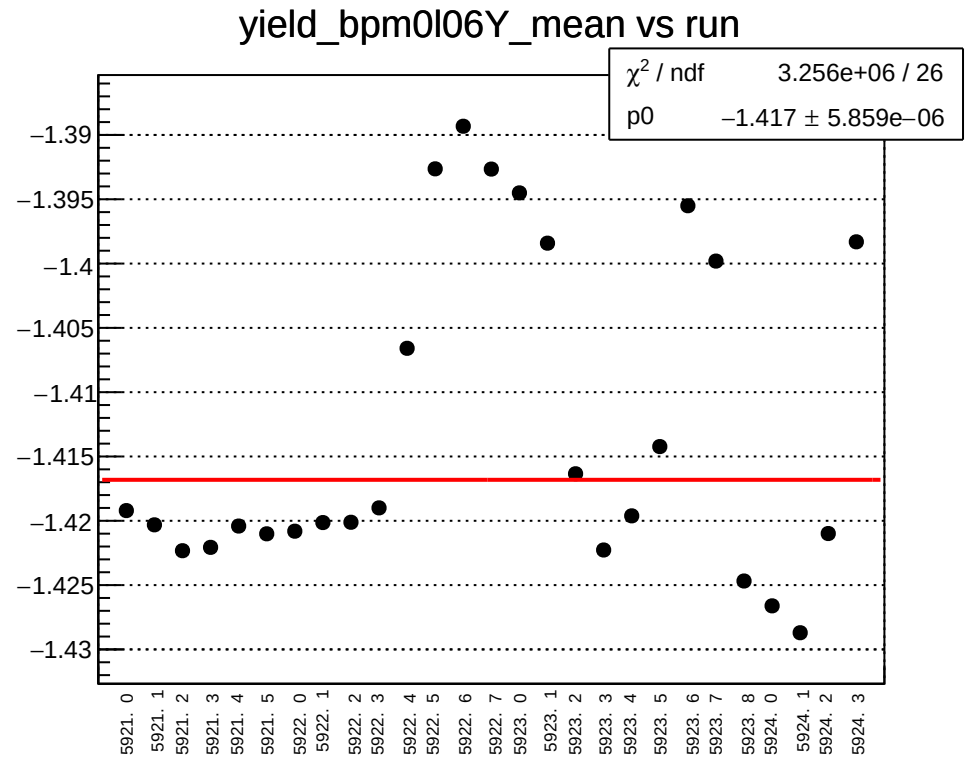

yield_bpm0l05Y_mean vs run
χ² / ndf 7.299e+06 / 26
p0 2.071± 2.182e−05
2.3
2.25
2.2
2.15
2.1
2.05
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 23.28
Std Dev 0
1200
1000
800
600
400
200
0
−200
−400
pull1D
Entries 27
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

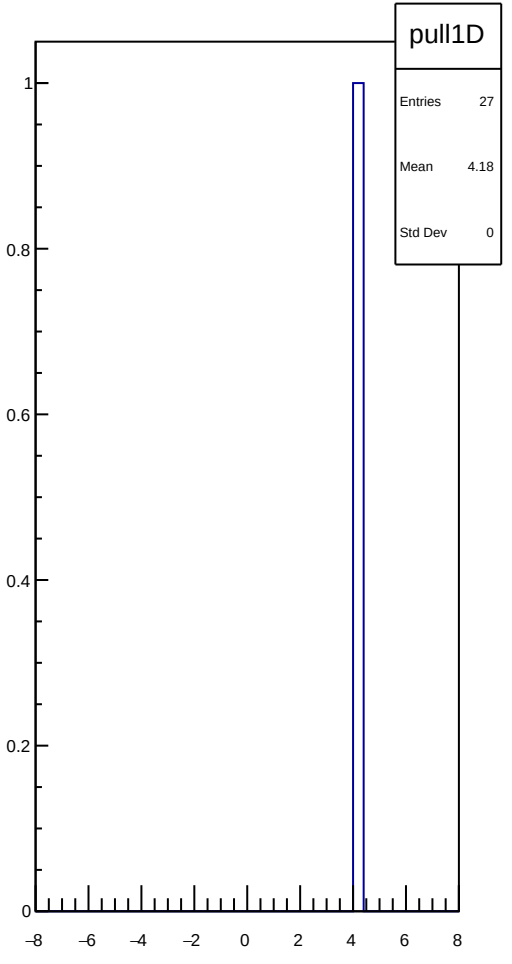

yield_bpm0l05Y_rms vs run
χ² / ndf 1.512e+05 / 26
p0 0.009332 ± 1.543e−05
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

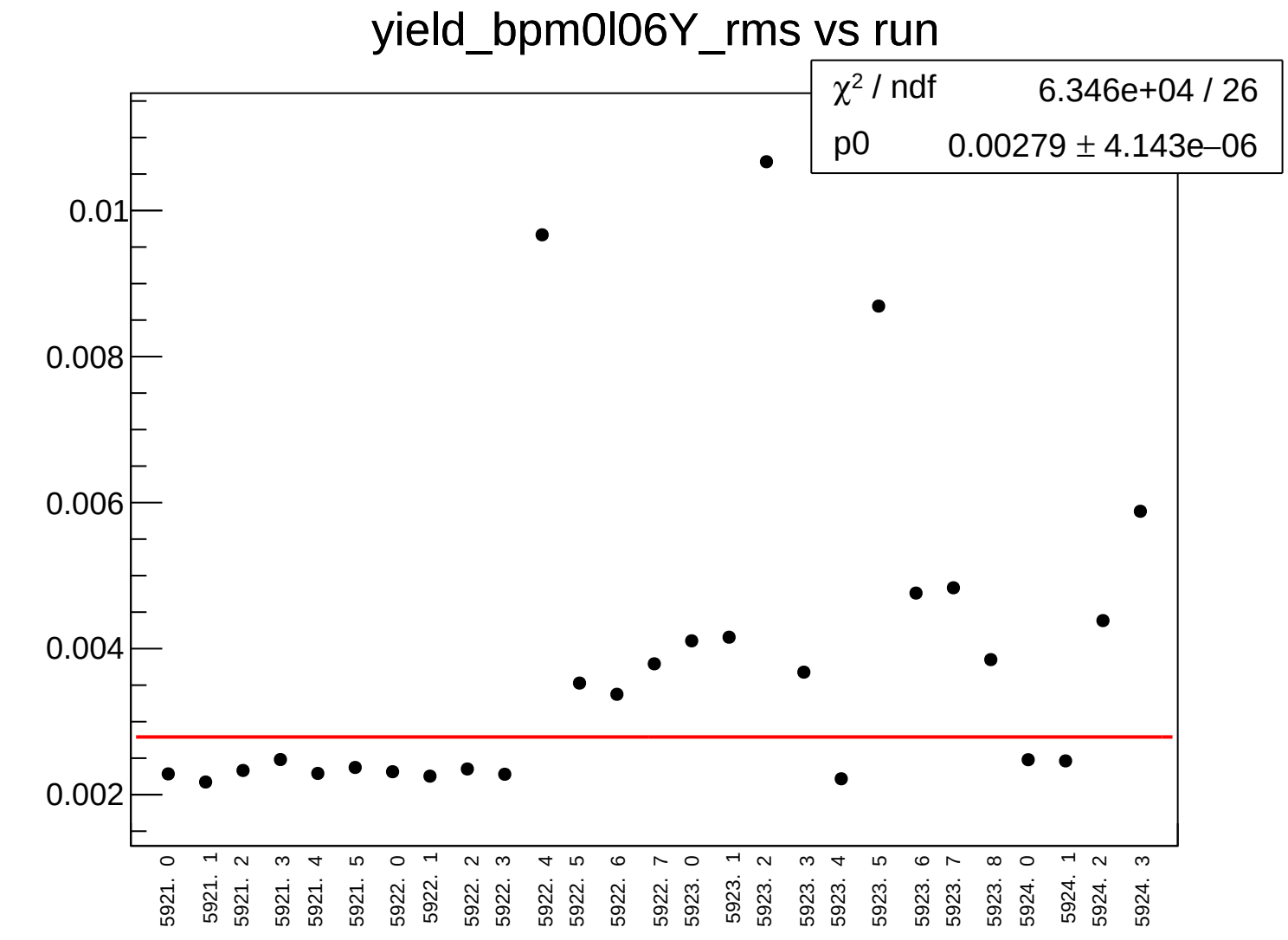

yield_bpm0l06X_mean vs run
χ² / ndf 4.244e+05 / 26
p0 1.455 ± 1.282e−05
1.475
1.47
1.465
1.46
1.455
1.45
1.445
1.44
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −9.897
Std Dev 0
300
200
100
0
−100
−200

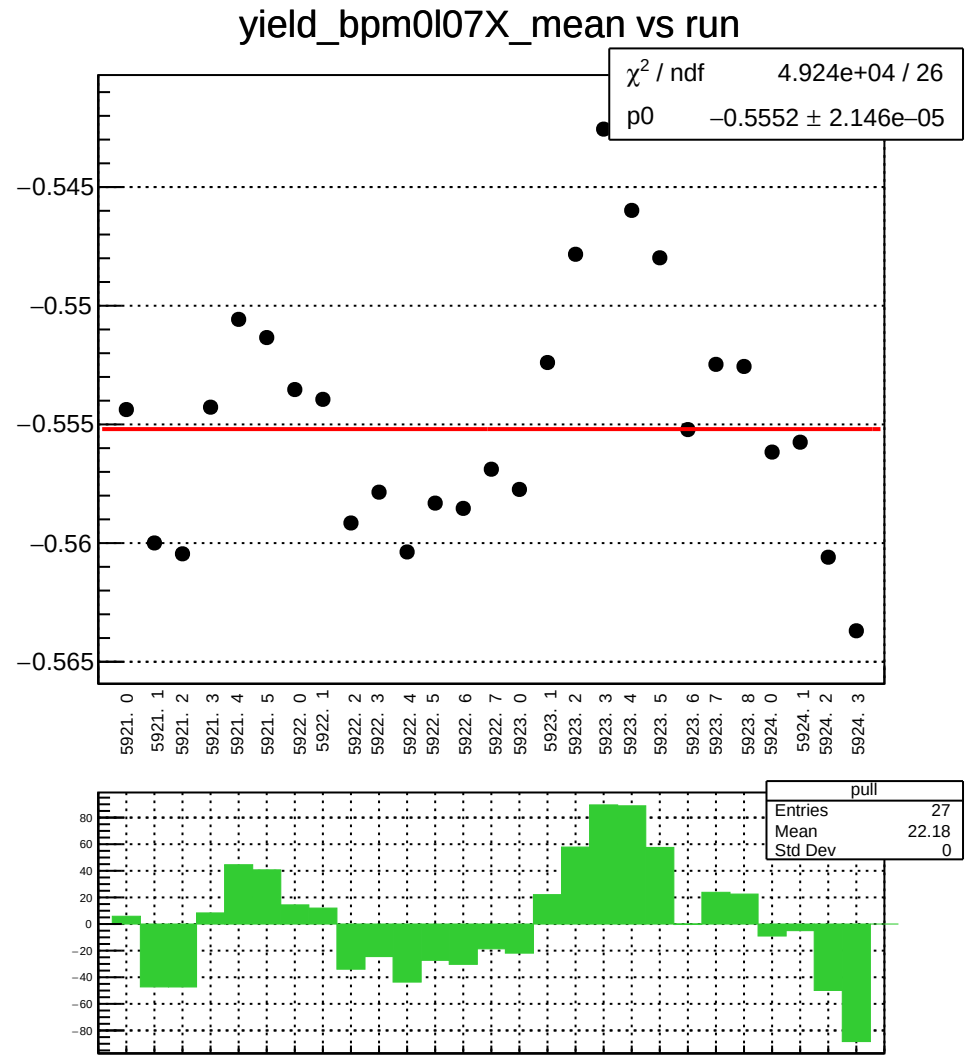

pull1D
Entries 27
Mean 0.3321
Std Dev 4.898
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

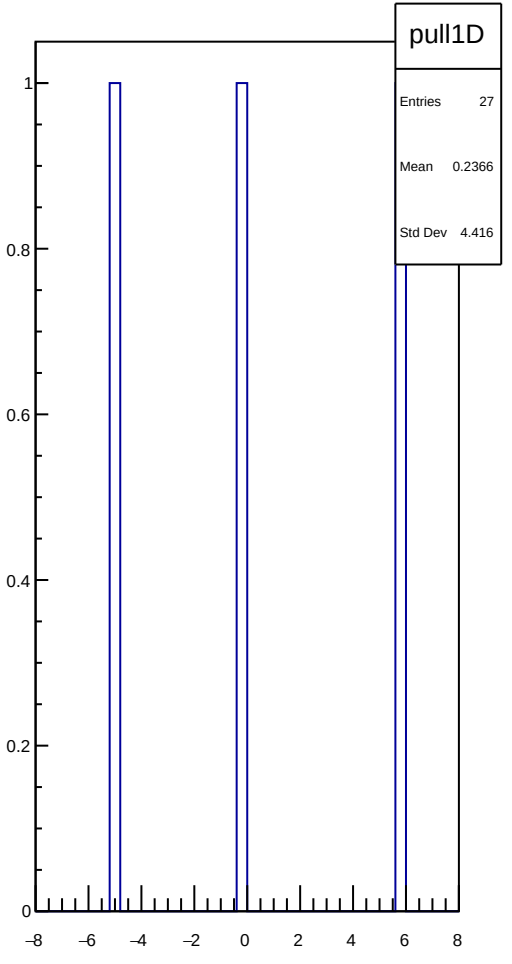

yield_bpm0l06X_rms vs run
χ² / ndf 7844 / 26
p0 0.006467 ± 9.062e−06
0.0095
0.009
0.0085
0.008
0.0075
0.007
0.0065
0.006
0.0055
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

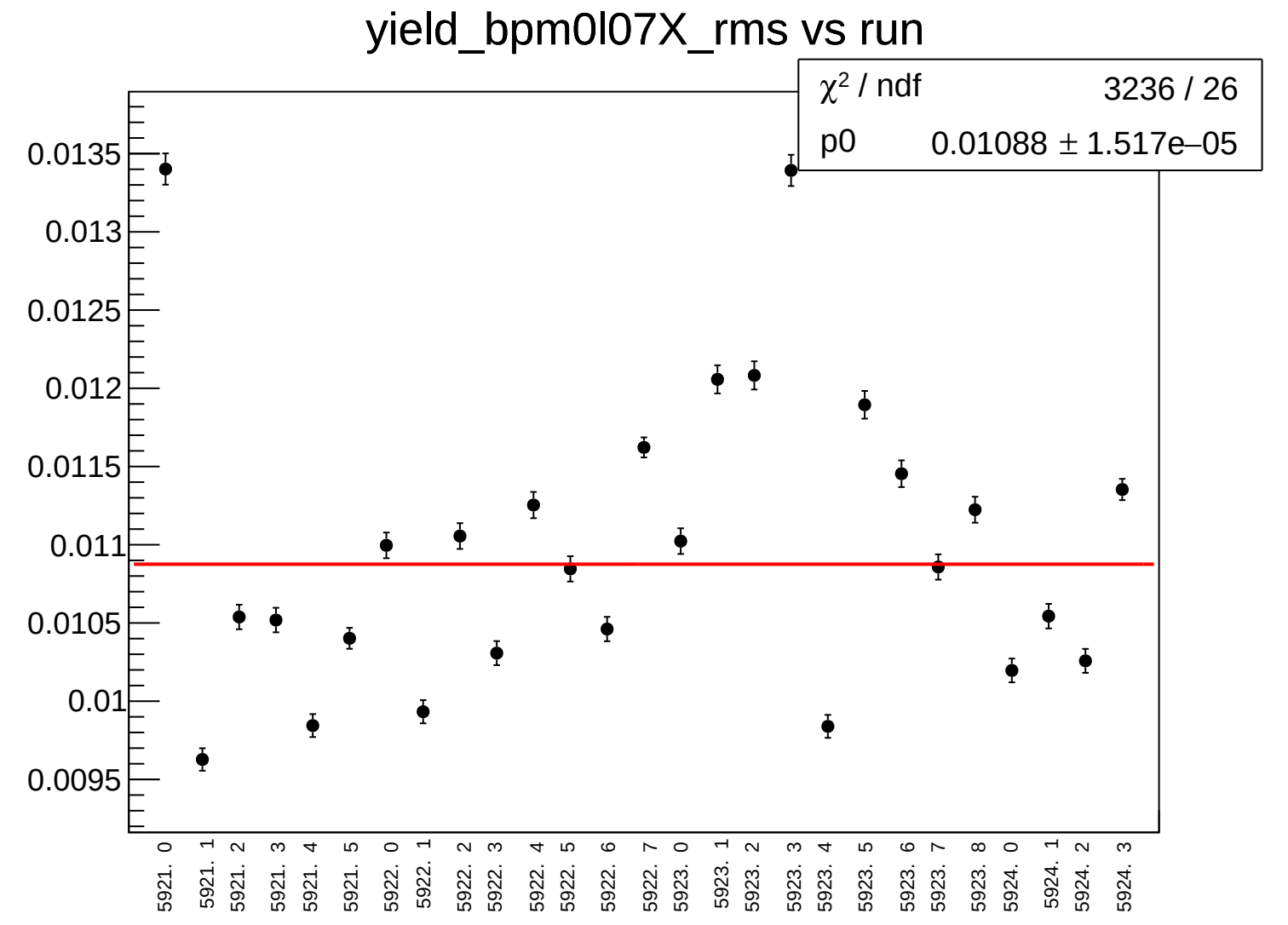

yield_bpm0l06Y_mean vs run
χ² / ndf 3.256e+06 / 26
p0 −1.417 ± 5.859e−06
−1.39
−1.395
−1.4
−1.405
−1.41
−1.415
−1.42
−1.425
−1.43
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 20.35
Std Dev 0
800
600
400
200
0
−200
−400

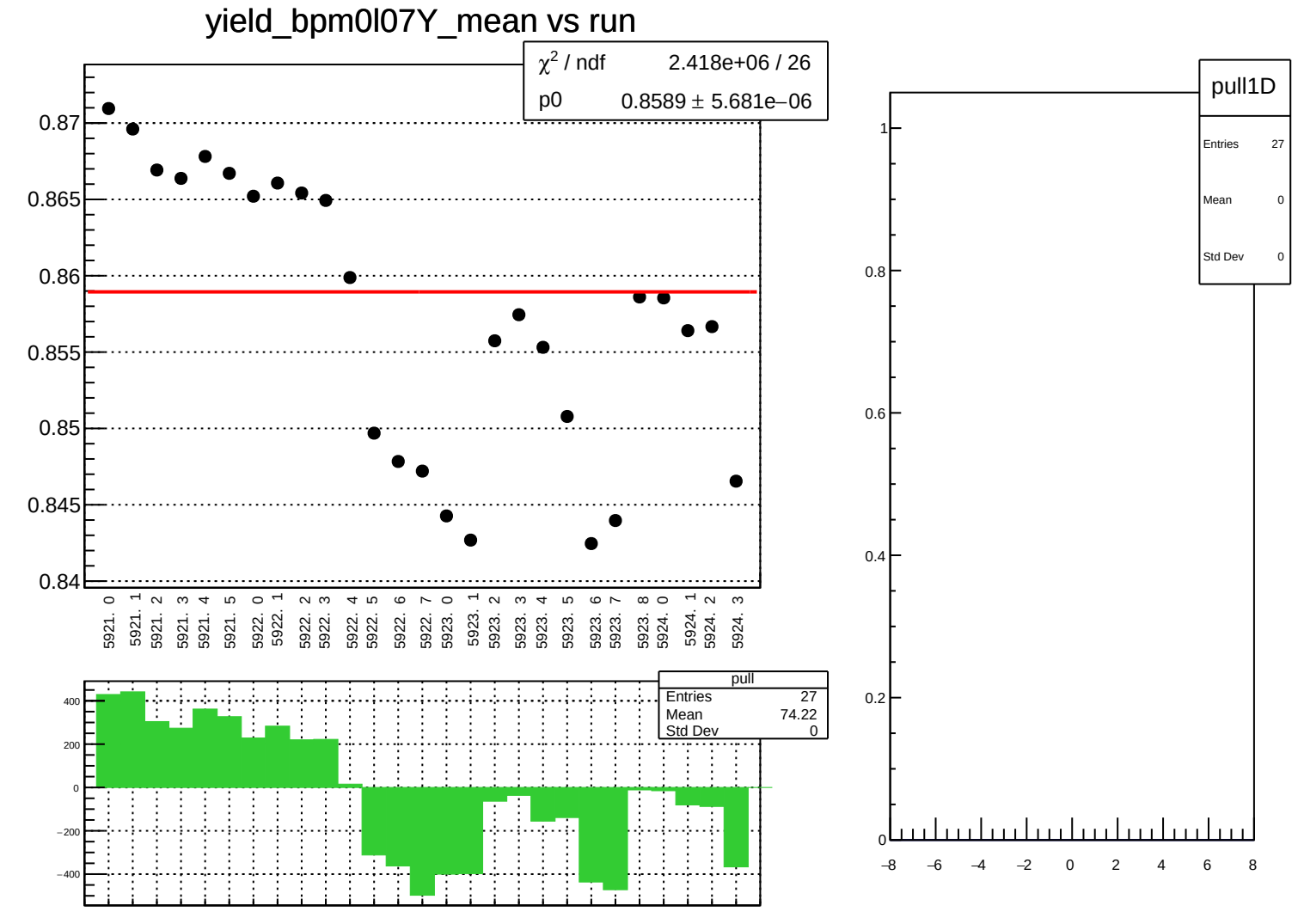

pull1D
Entries 27
Mean 4.18
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

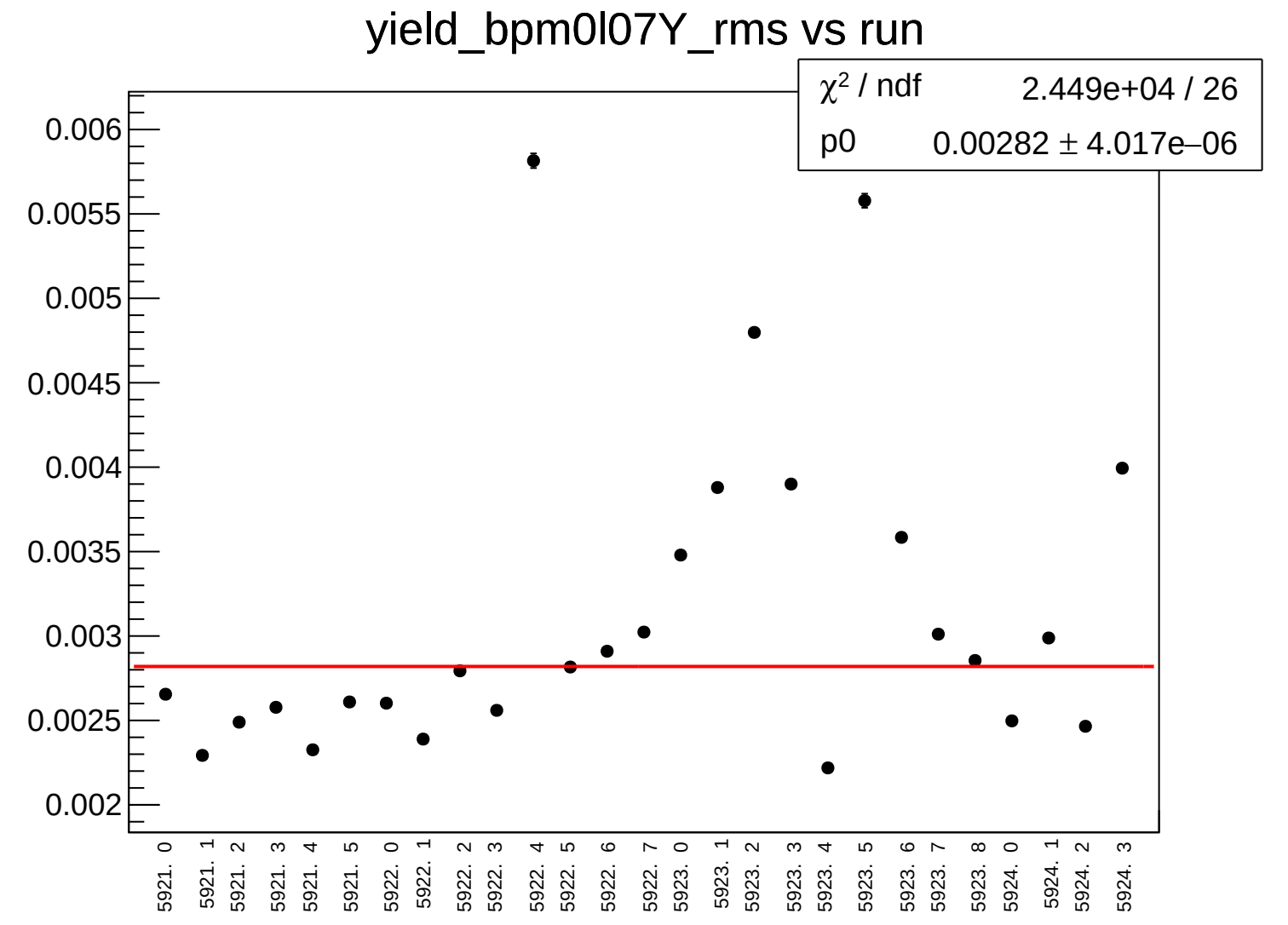

yield_bpm0l06Y_rms vs run
χ² / ndf 6.346e+04 / 26
p0 0.00279 ± 4.143e–06
0.01
0.008
0.006
0.004
0.002
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

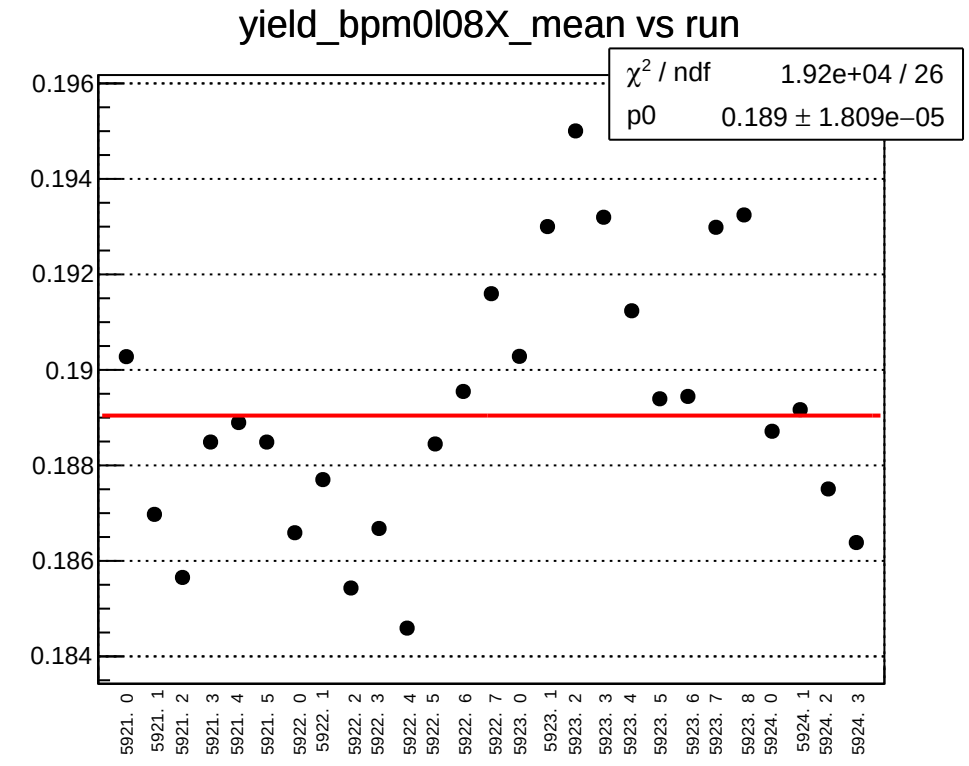

yield_bpm0l07X_mean vs run
χ² / ndf 4.924e+04 / 26
p0 −0.5552 ± 2.146e−05
−0.545
−0.55
−0.555
−0.56
−0.565
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 22.18
Std Dev 0
80
60
40
20
0
−20
−40
−60
−80

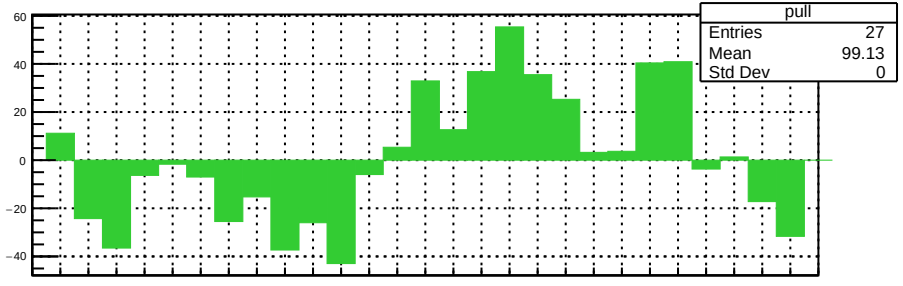

pull1D
Entries 27
Mean 0.2366
Std Dev 4.416
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

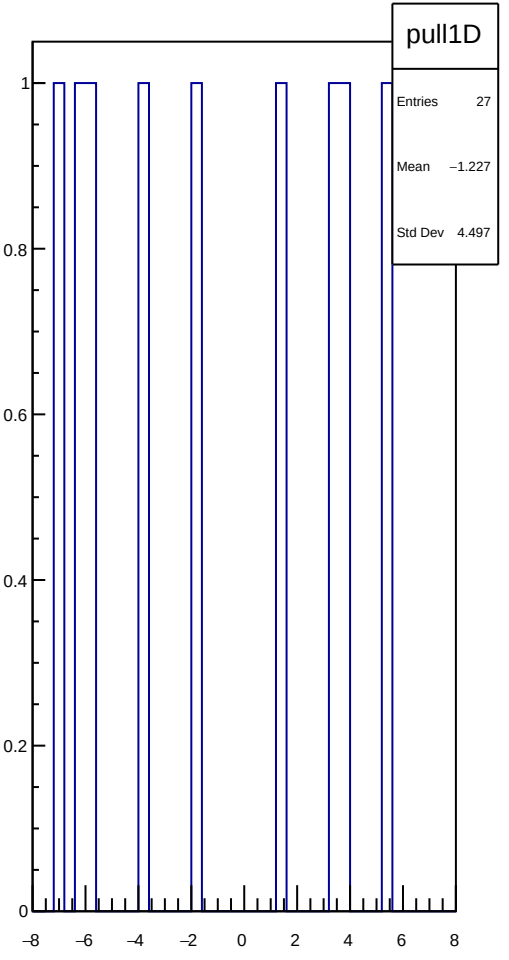

yield_bpm0l07X_rms vs run
χ² / ndf 3236 / 26
p0 0.01088 ± 1.517e–05
0.0135
0.013
0.0125
0.012
0.0115
0.011
0.0105
0.01
0.0095
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

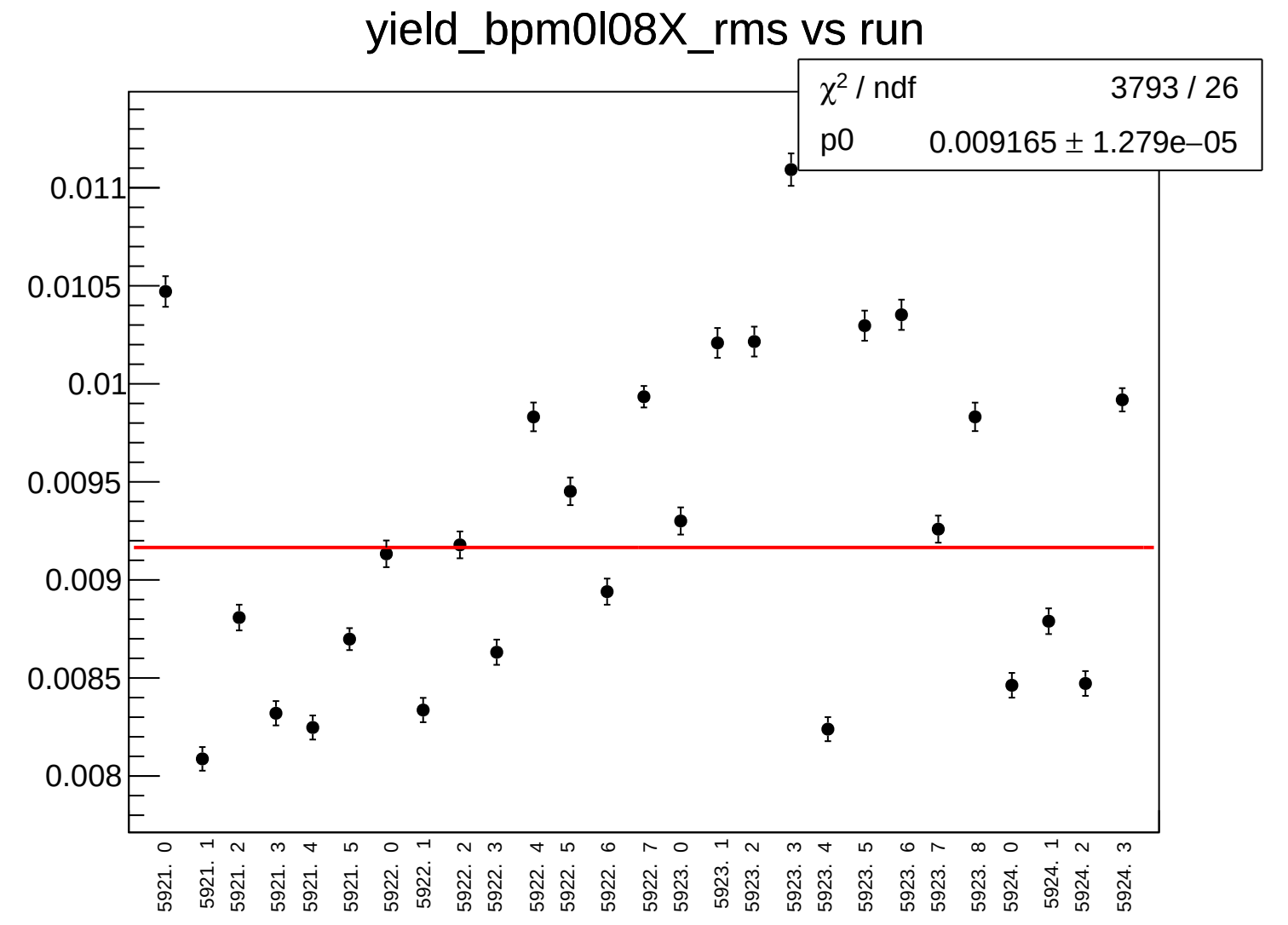

yield_bpm0l07Y_mean vs run
χ² / ndf 2.418e+06 / 26
p0 0.8589 ± 5.681e−06
0.87
0.865
0.86
0.855
0.85
0.845
0.84
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 74.22
Std Dev 0
400
200
0
−200
−400
pull1D
Entries 27
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

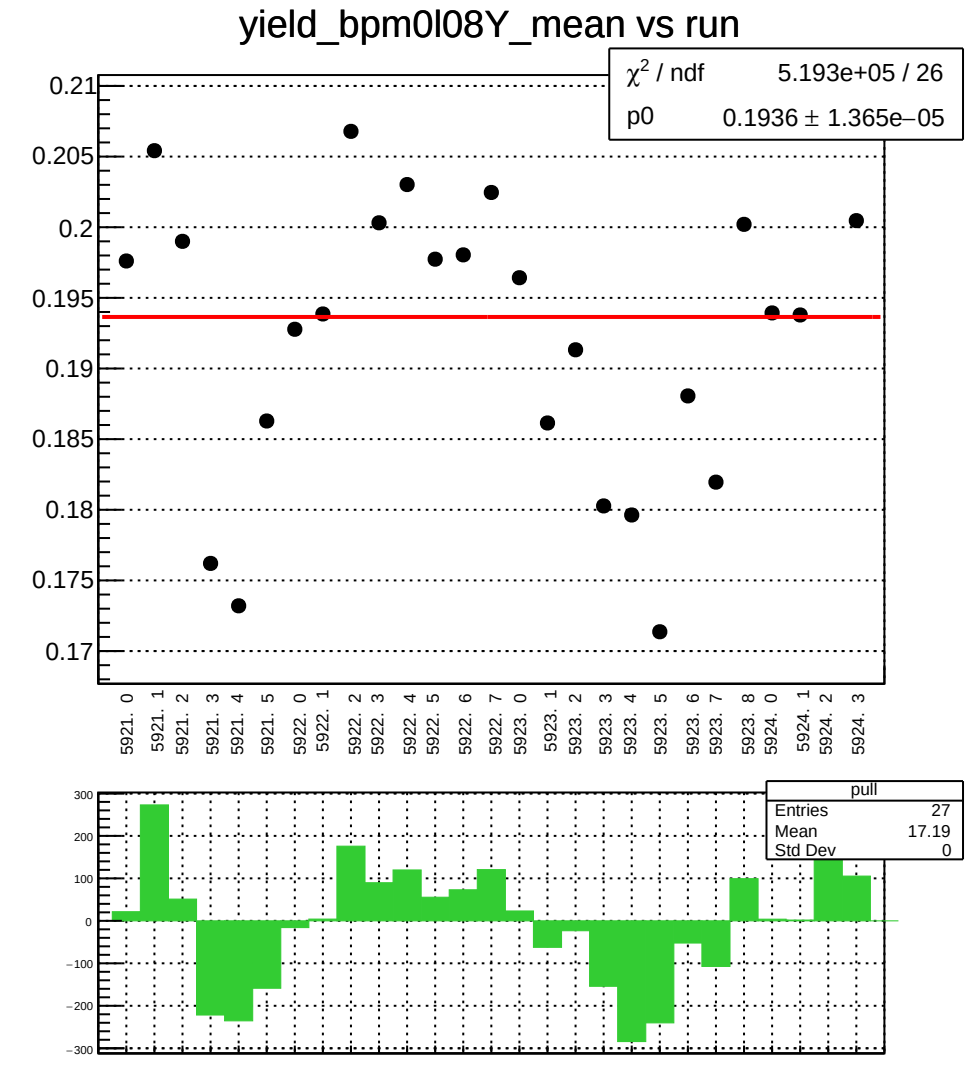

yield_bpm0l07Y_rms vs run
χ² / ndf 2.449e+04 / 26
p0 0.00282 ± 4.017e–06
0.006
0.0055
0.005
0.0045
0.004
0.0035
0.003
0.0025
0.002
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

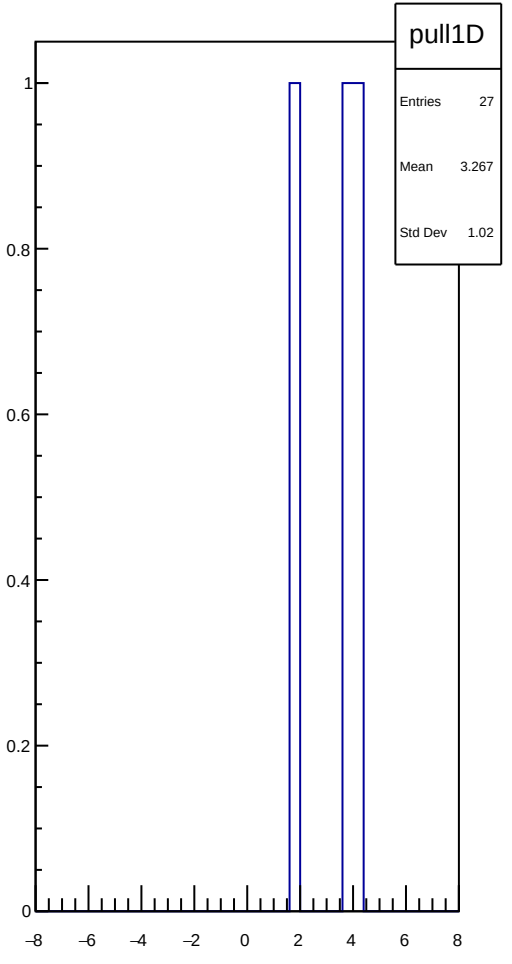

yield_bpm0l08X_mean vs run
χ² / ndf 1.92e+04 / 26
p0 0.189 ± 1.809e−05
0.196
0.194
0.192
0.19
0.188
0.186
0.184
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

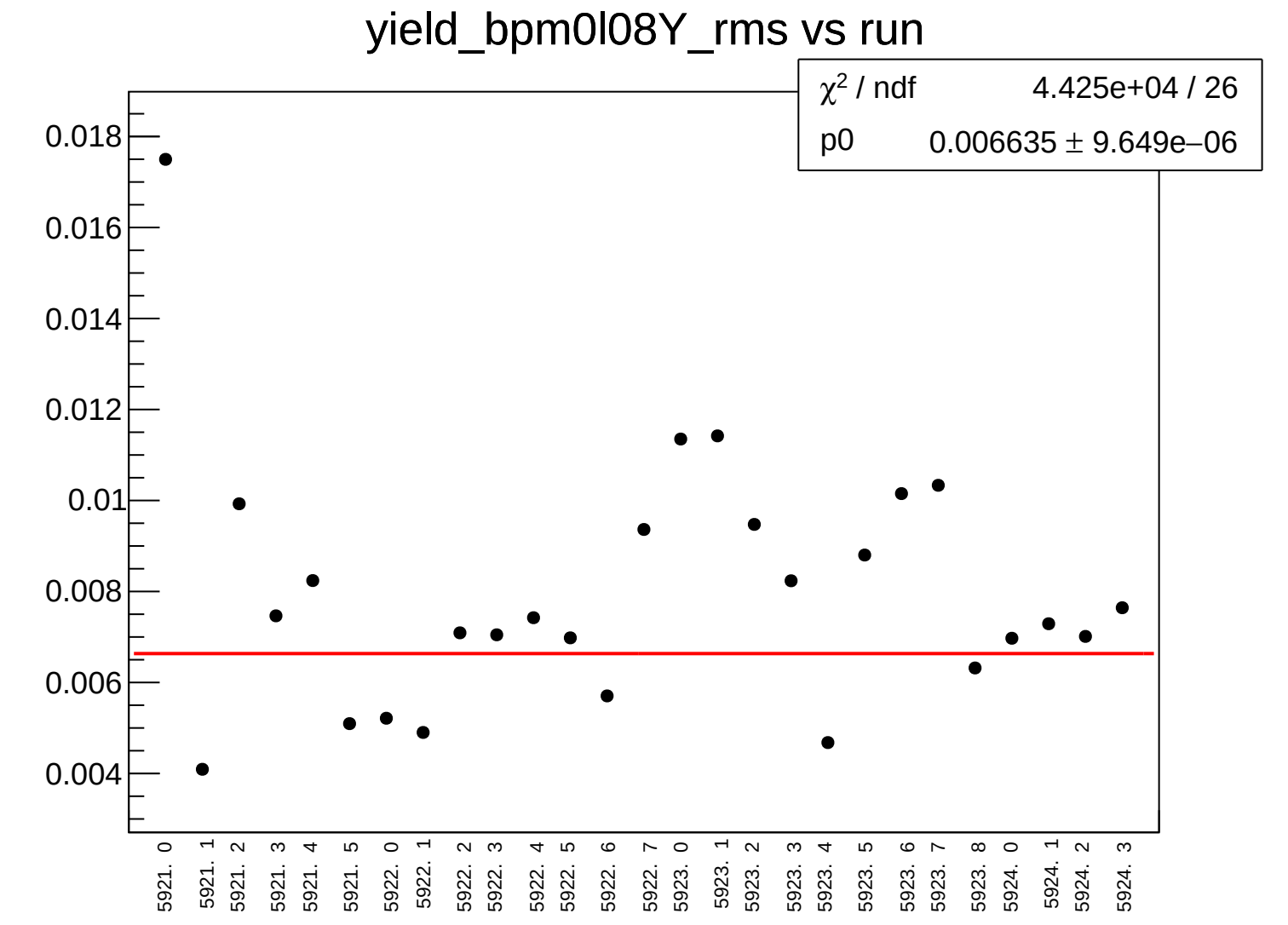

pull
Entries 27
Mean 99.13
Std Dev 0
60
40
20
0
−20
−40

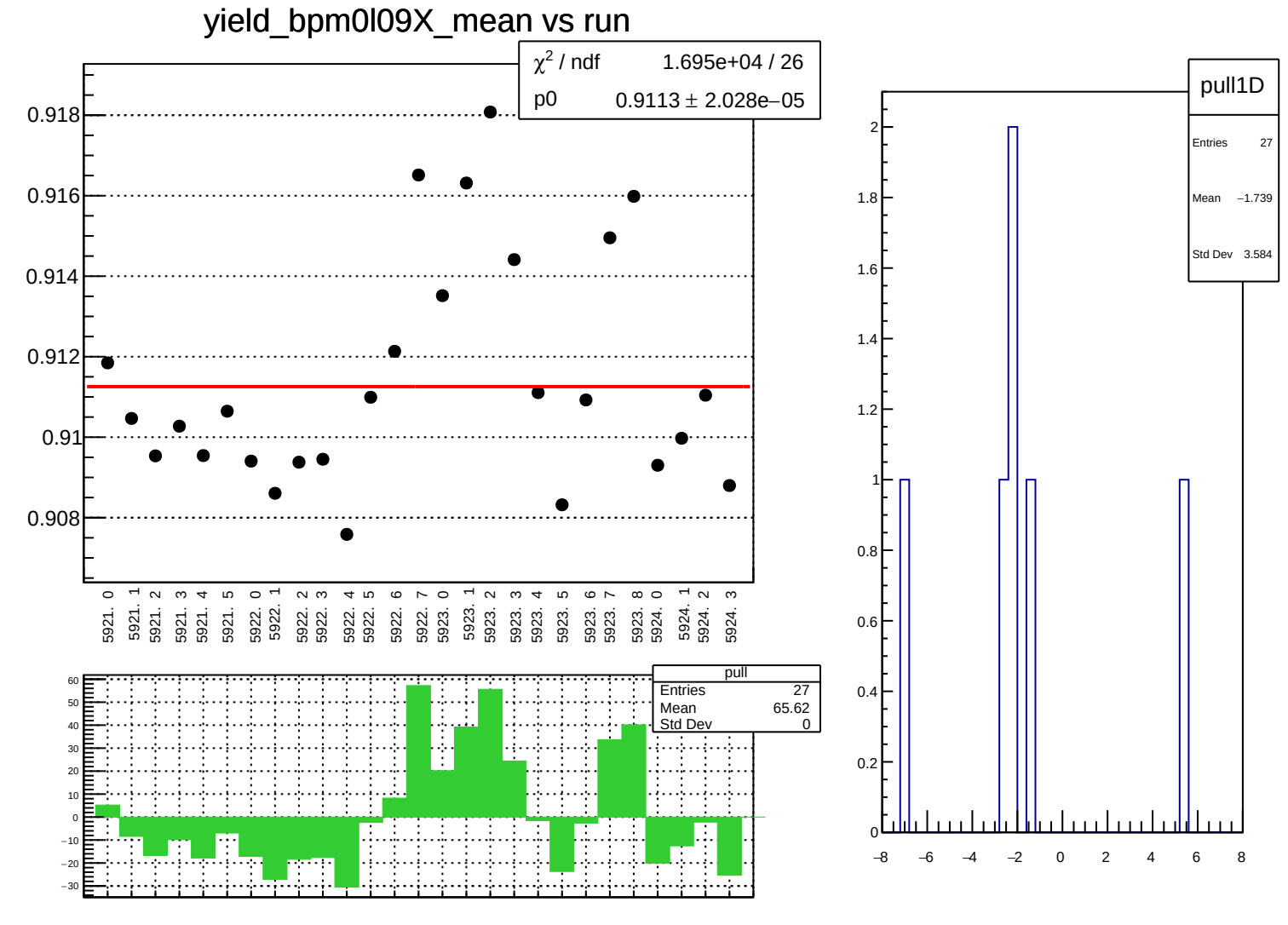

pull1D
Entries 27
Mean −1.227
Std Dev 4.497
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

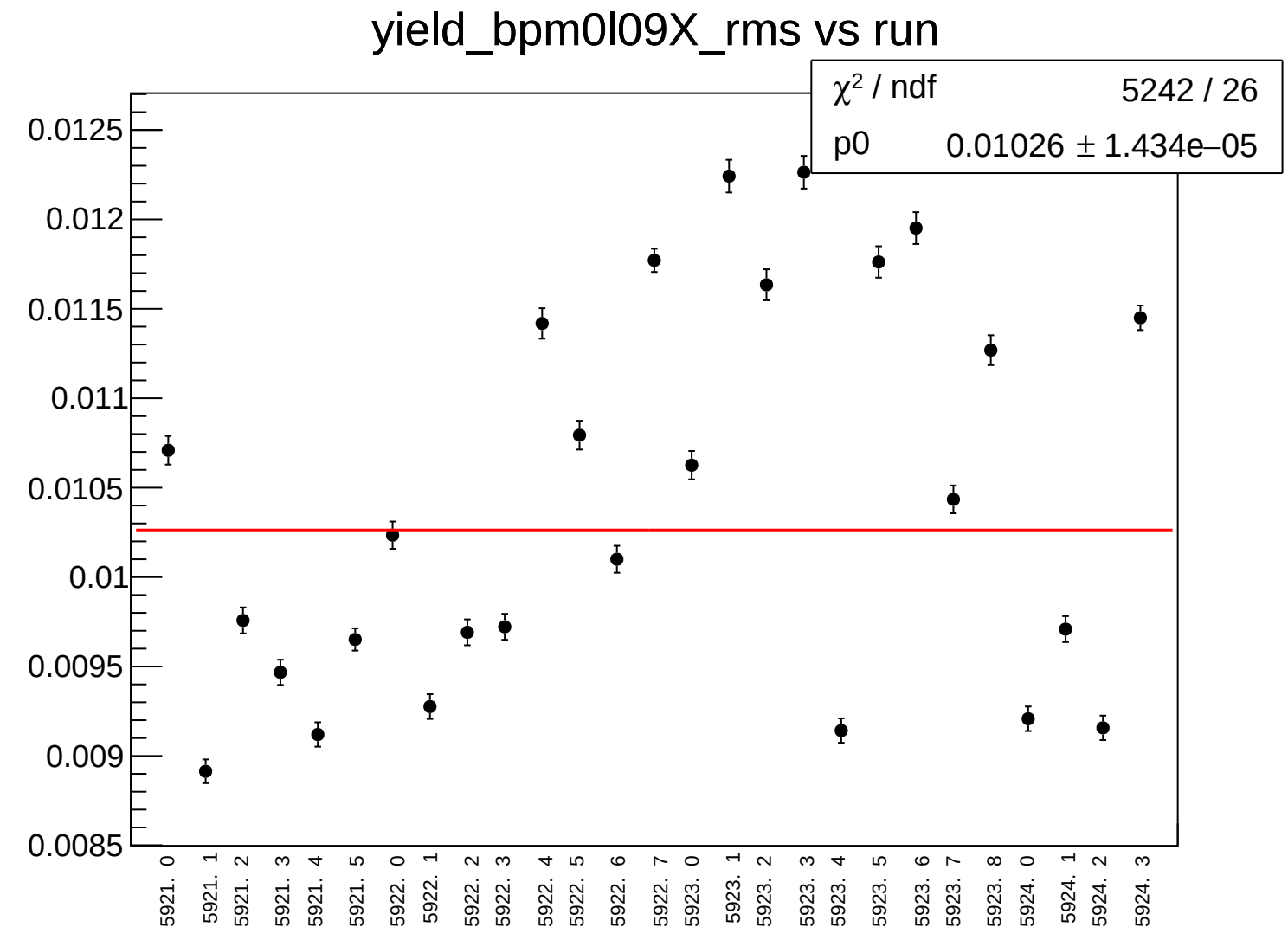

yield_bpm0l08X_rms vs run
χ² / ndf 3793 / 26
p0 0.009165 ± 1.279e−05
0.011
0.0105
0.01
0.0095
0.009
0.0085
0.008
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

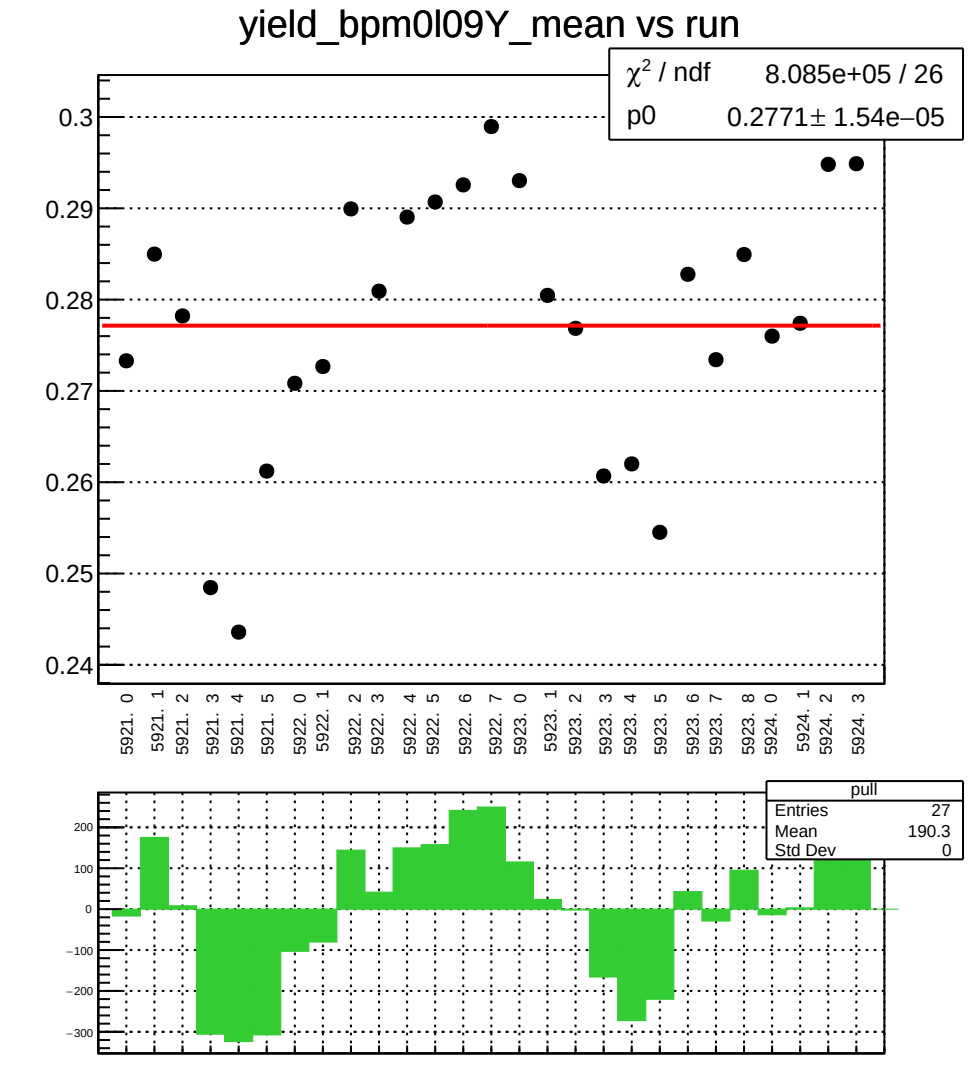

yield_bpm0l08Y_mean vs run
χ² / ndf 5.193e+05 / 26
p0 0.1936 ± 1.365e−05
0.21
0.205
0.2
0.195
0.19
0.185
0.18
0.175
0.17
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 17.19
Std Dev 0
300
200
100
0
−100
−200
−300

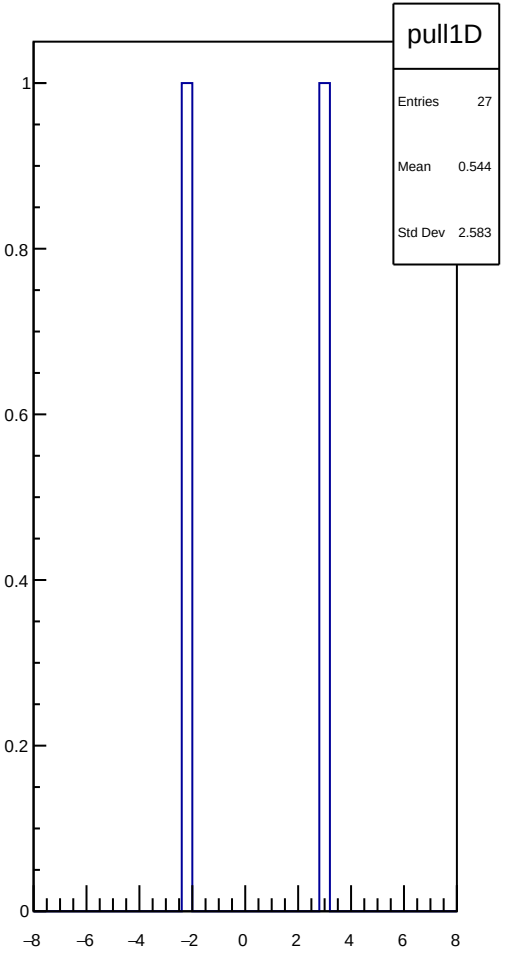

pull1D
Entries 27
Mean 3.267
Std Dev 1.02
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

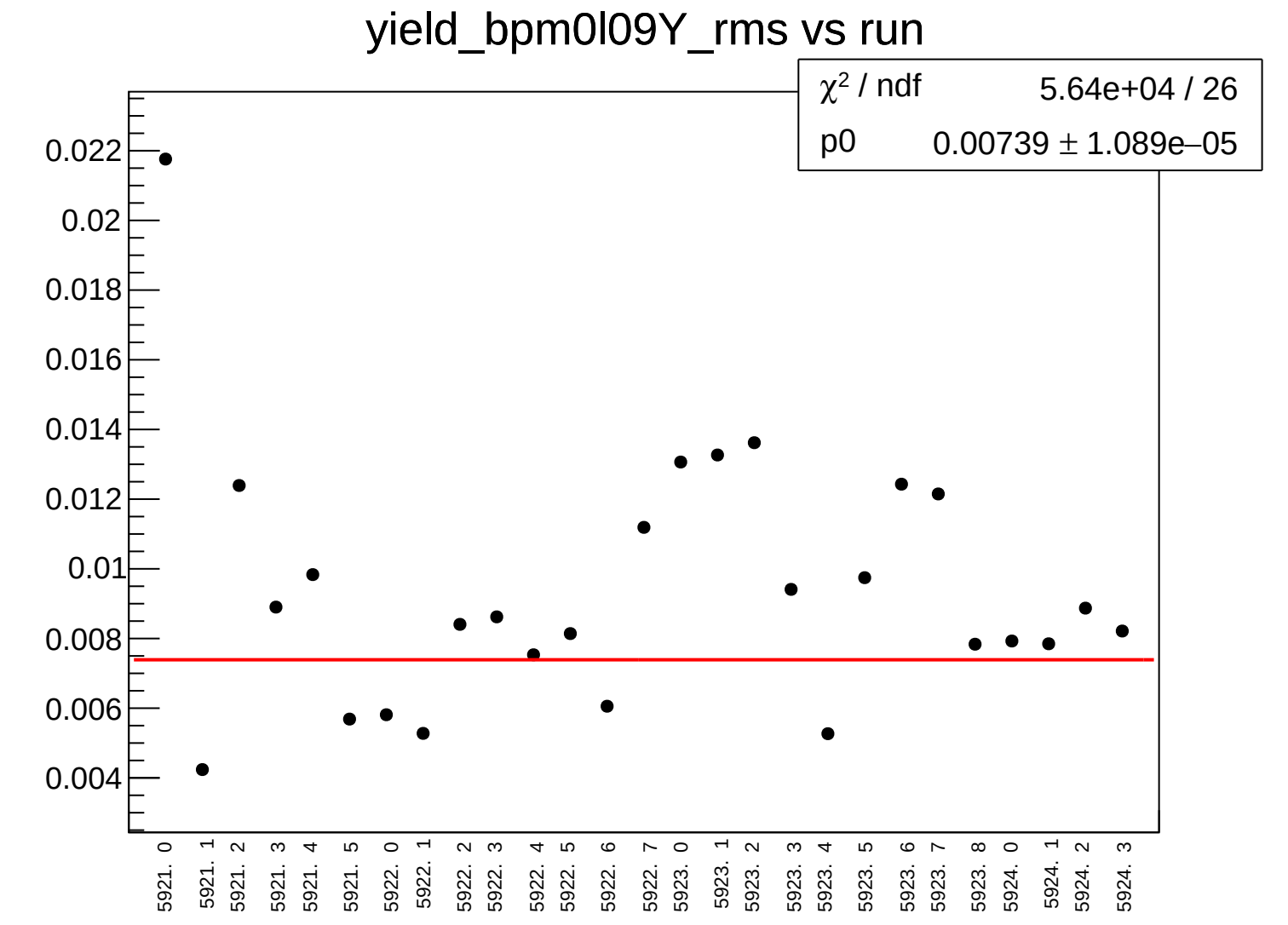

yield_bpm0l08Y_rms vs run
χ² / ndf 4.425e+04 / 26
p0 0.006635 ± 9.649e−06
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

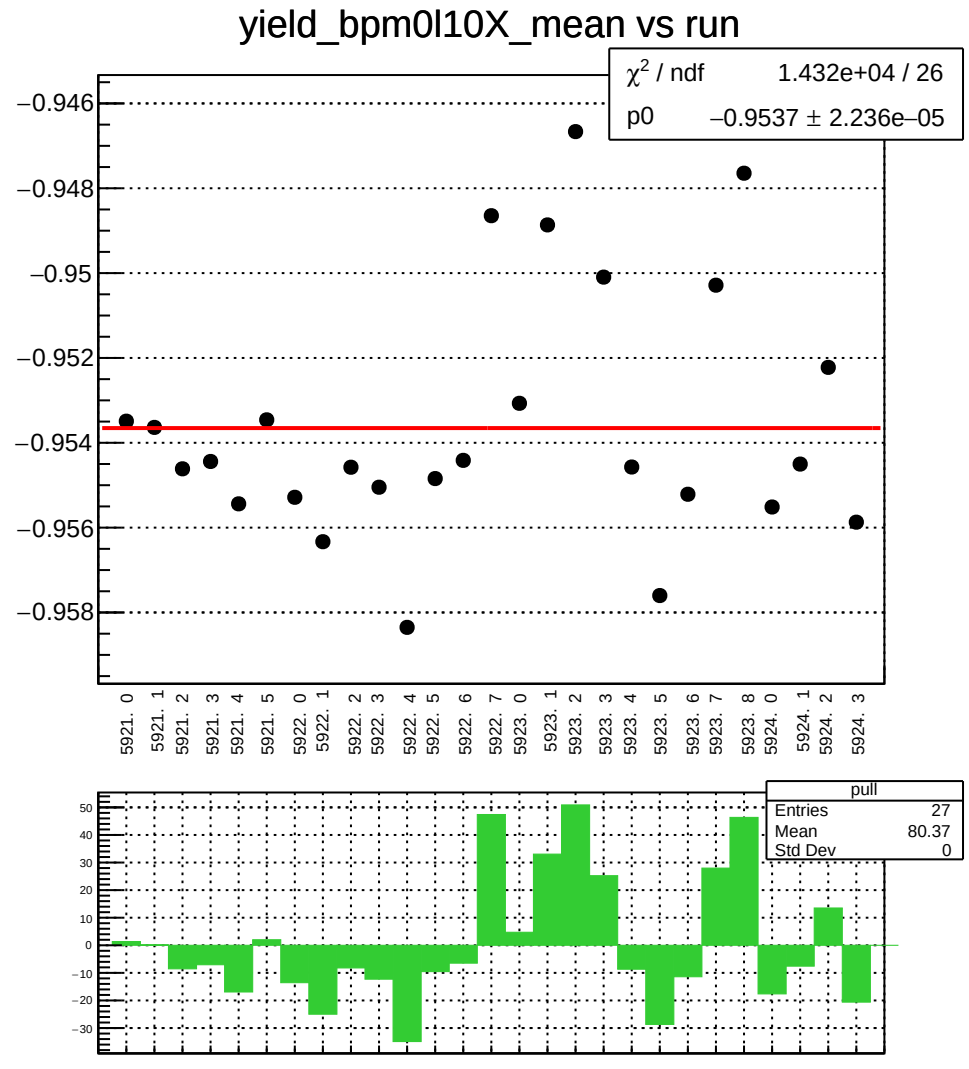

yield_bpm0l09X_mean vs run
χ² / ndf 1.695e+04 / 26
p0 0.9113 ± 2.028e−05
0.918
0.916
0.914
0.912
0.91
0.908
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 65.62
Std Dev 0
60
50
40
30
20
10
0
−10
−20
−30
pull1D
Entries 27
Mean −1.739
Std Dev 3.584
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

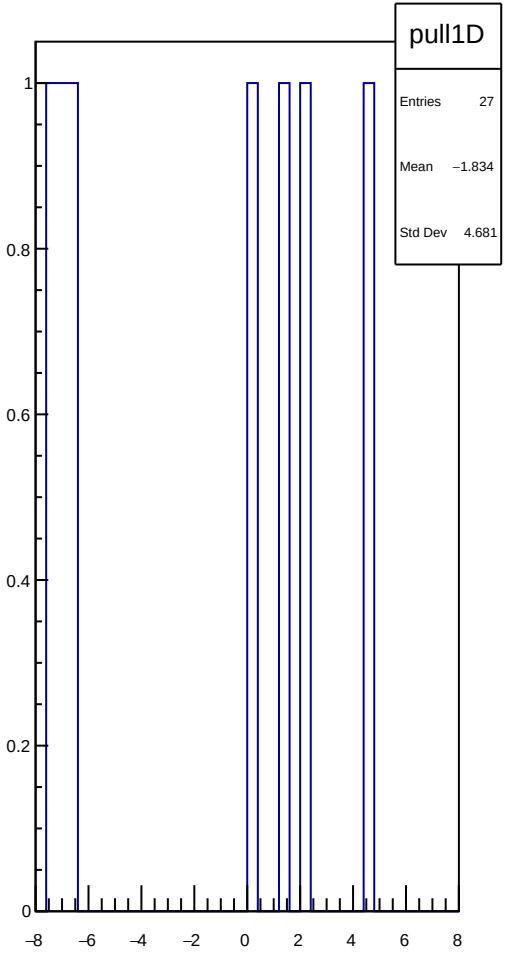

yield_bpm0l09X_rms vs run
χ² / ndf 5242 / 26
p0 0.01026 ± 1.434e−05
0.0125
0.012
0.0115
0.011
0.0105
0.01
0.0095
0.009
0.0085
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

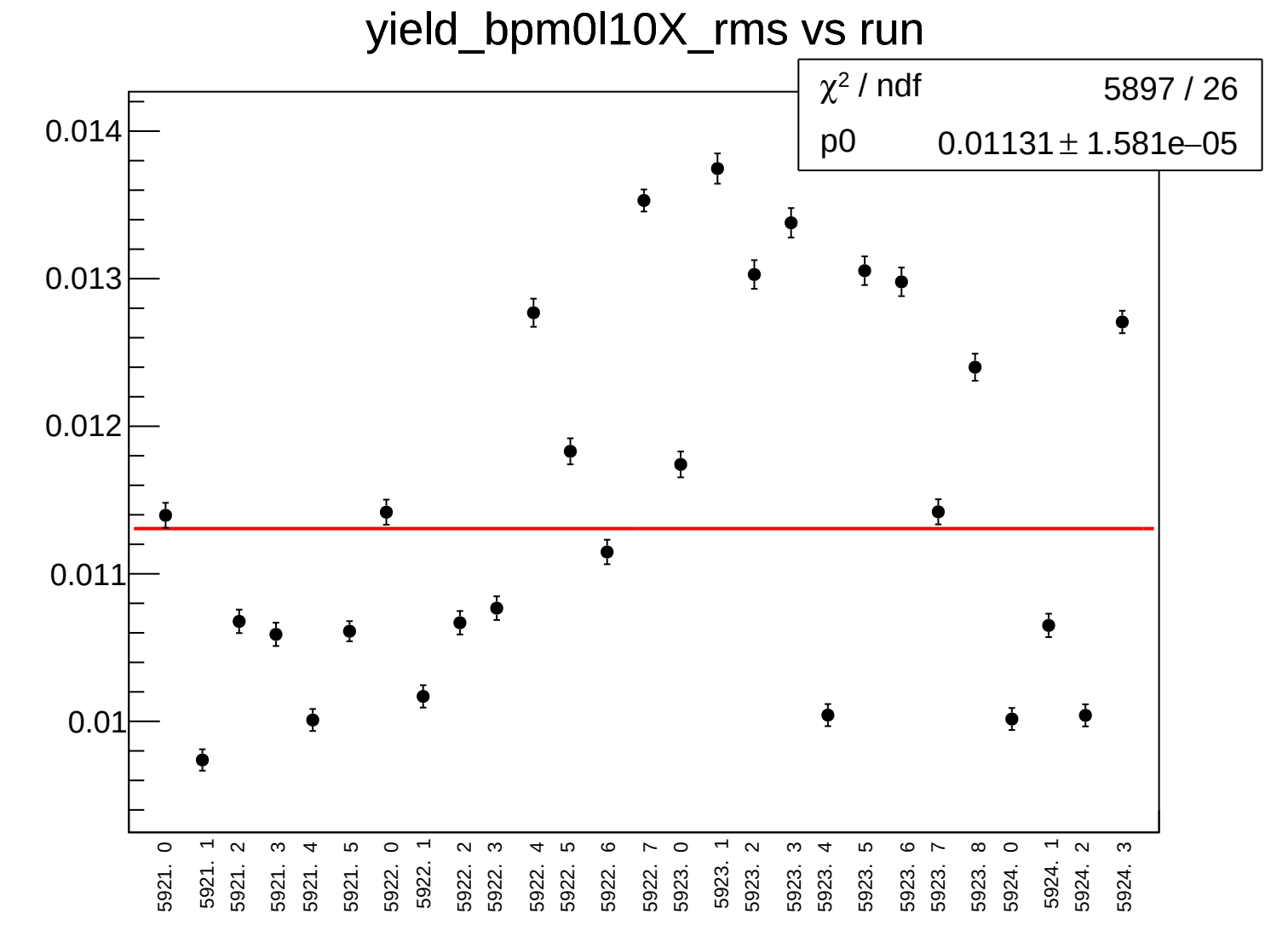

yield_bpm0l09Y_mean vs run
χ² / ndf 8.085e+05 / 26
p0 0.2771± 1.54e−05
0.3
0.29
0.28
0.27
0.26
0.25
0.24
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 190.3
Std Dev 0
200
100
0
−100
−200
−300

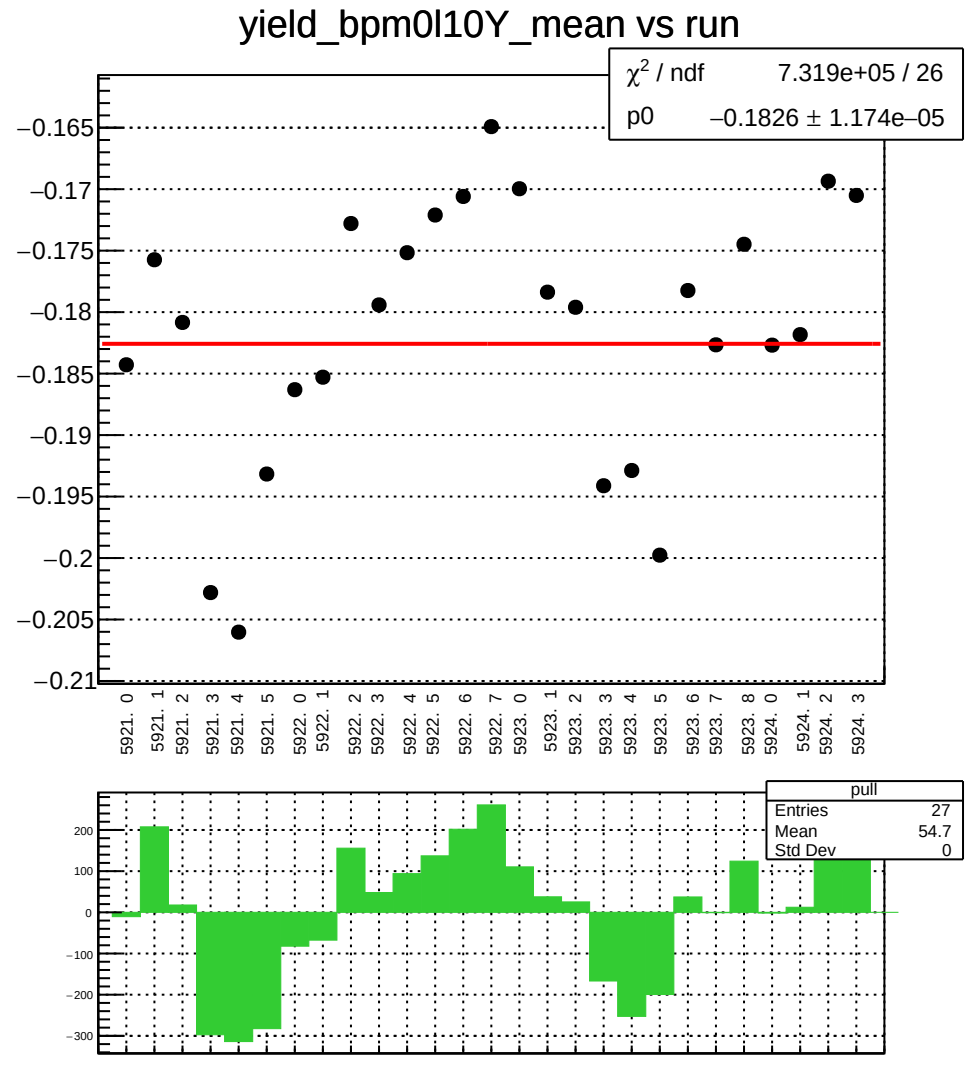

pull1D
Entries 27
Mean 0.544
Std Dev 2.583
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

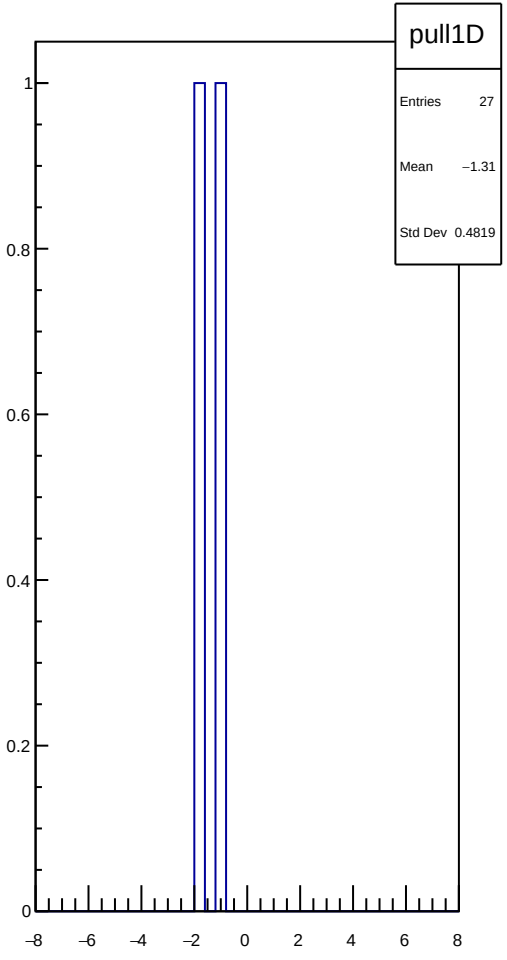

yield_bpm0l09Y_rms vs run
χ² / ndf 5.64e+04 / 26
p0 0.00739 ± 1.089e−05
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

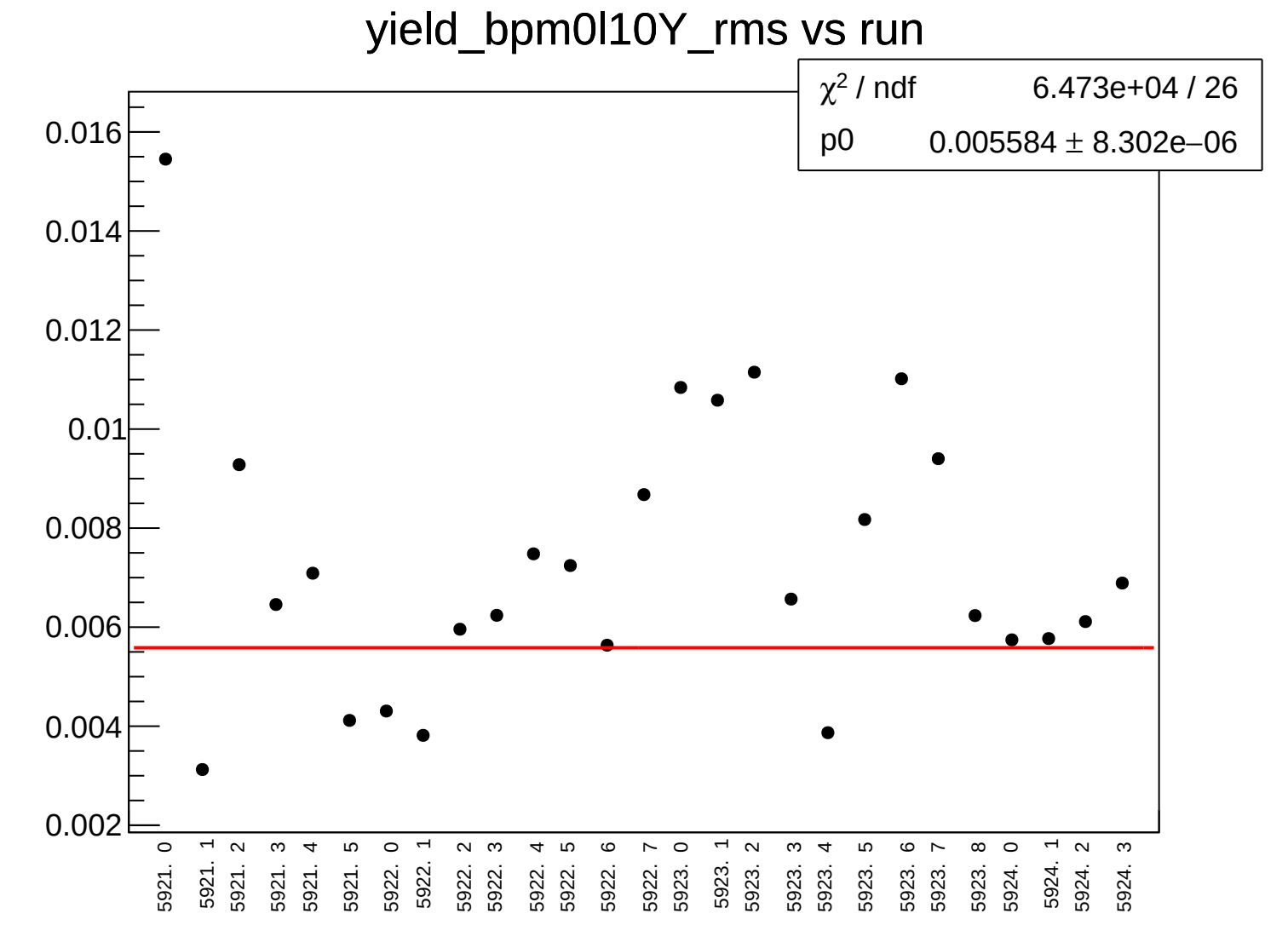

yield_bpm0l10X_mean vs run
χ² / ndf 1.432e+04 / 26
p0 −0.9537 ± 2.236e−05
−0.946
−0.948
−0.95
−0.952
−0.954
−0.956
−0.958
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 80.37
Std Dev 0
50
40
30
20
10
0
−10
−20
−30

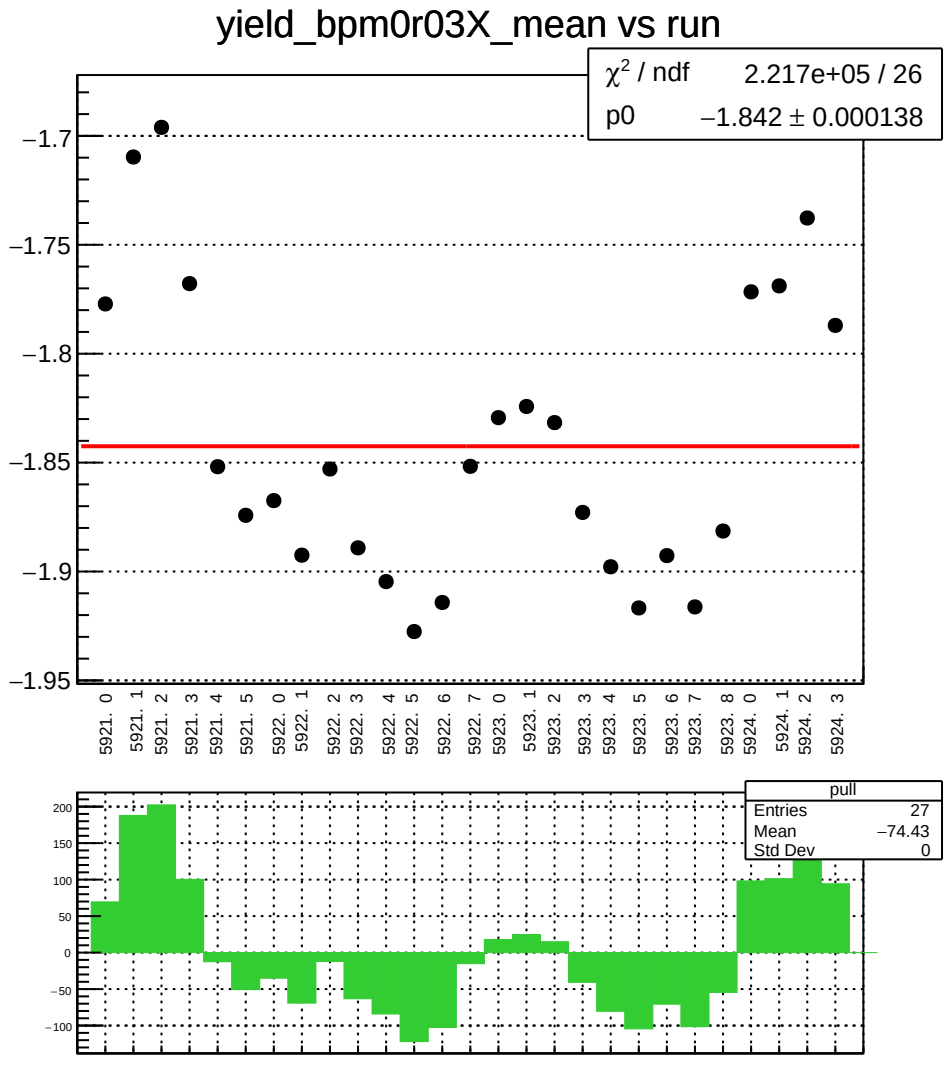

pull1D
Entries 27
Mean −1.834
Std Dev 4.681
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

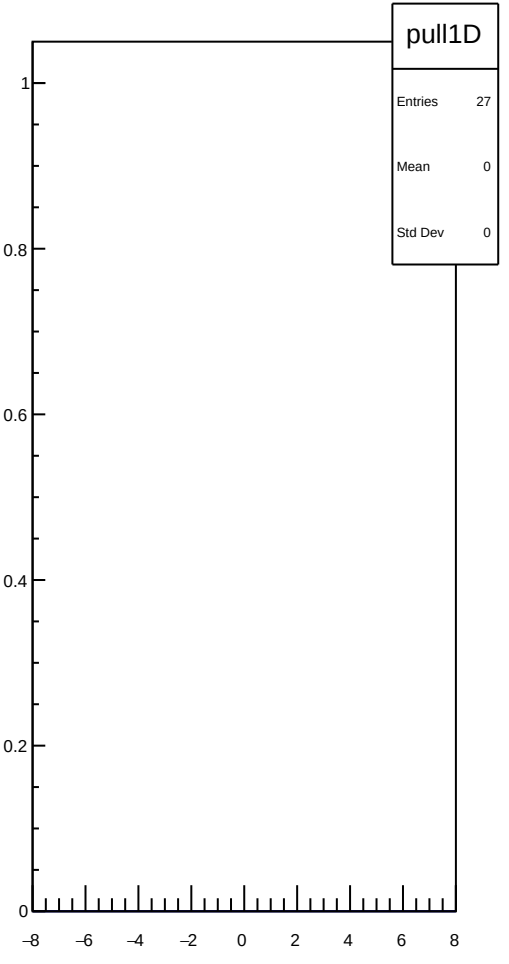

yield_bpm0l10X_rms vs run
χ² / ndf 5897 / 26
p0 0.01131 ± 1.581e–05
0.014
0.013
0.012
0.011
0.01
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

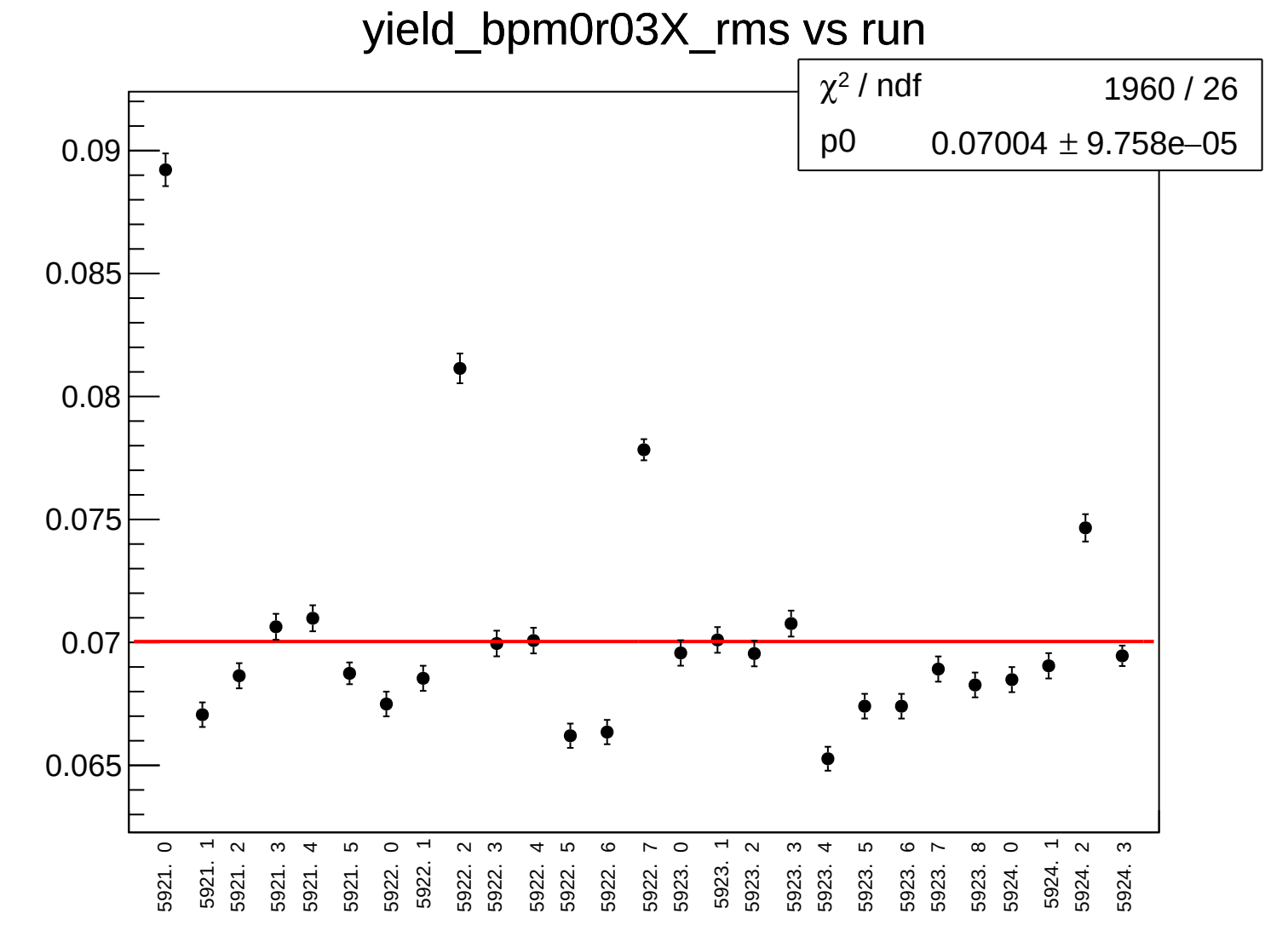

yield_bpm0l10Y_mean vs run
χ² / ndf 7.319e+05 / 26
p0 −0.1826 ± 1.174e−05
−0.165
−0.17
−0.175
−0.18
−0.185
−0.19
−0.195
−0.2
−0.205
−0.21
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 54.7
Std Dev 0
200
100
0
−100
−200
−300

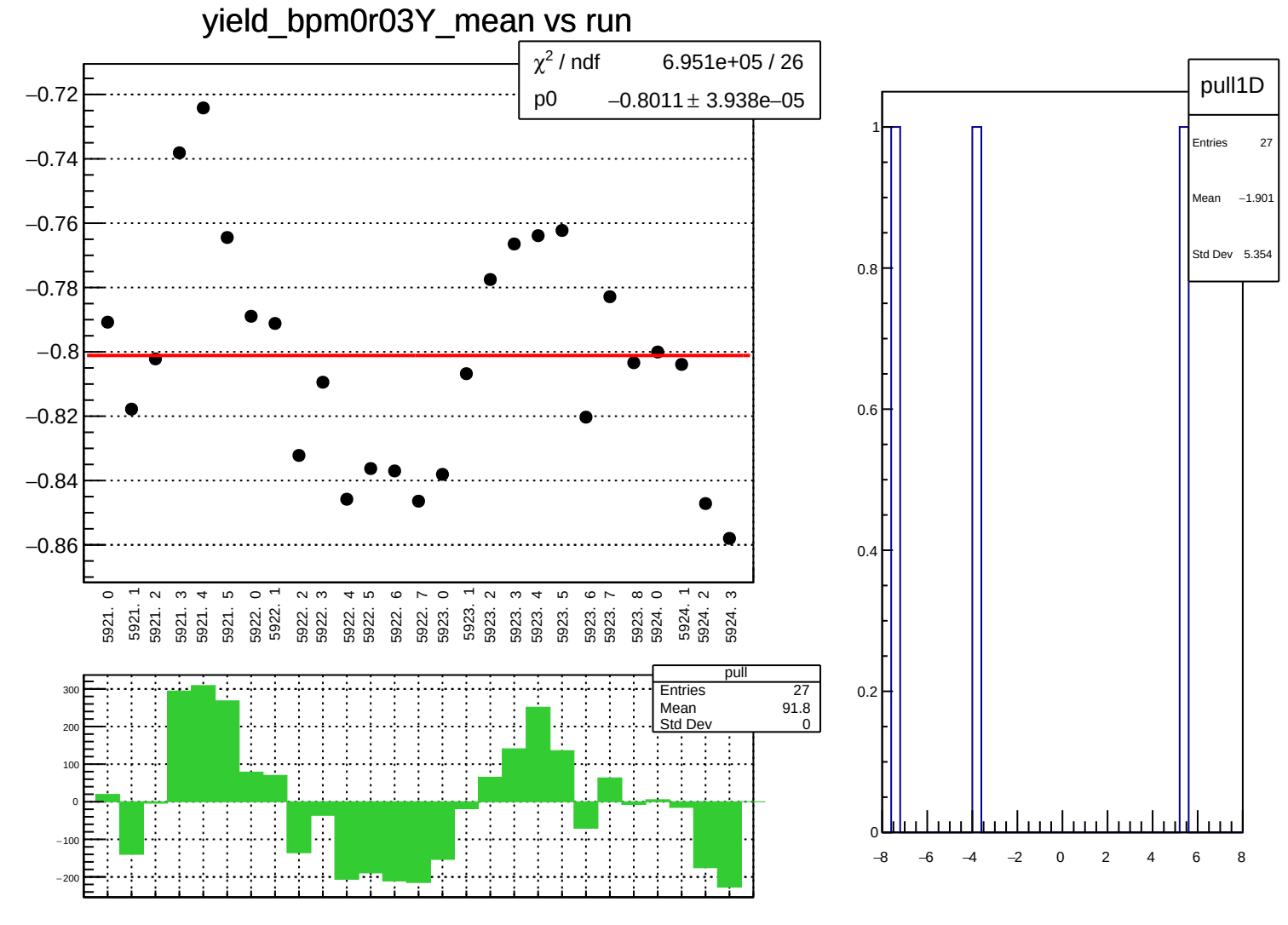

pull1D
Entries 27
Mean −1.31
Std Dev 0.4819
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

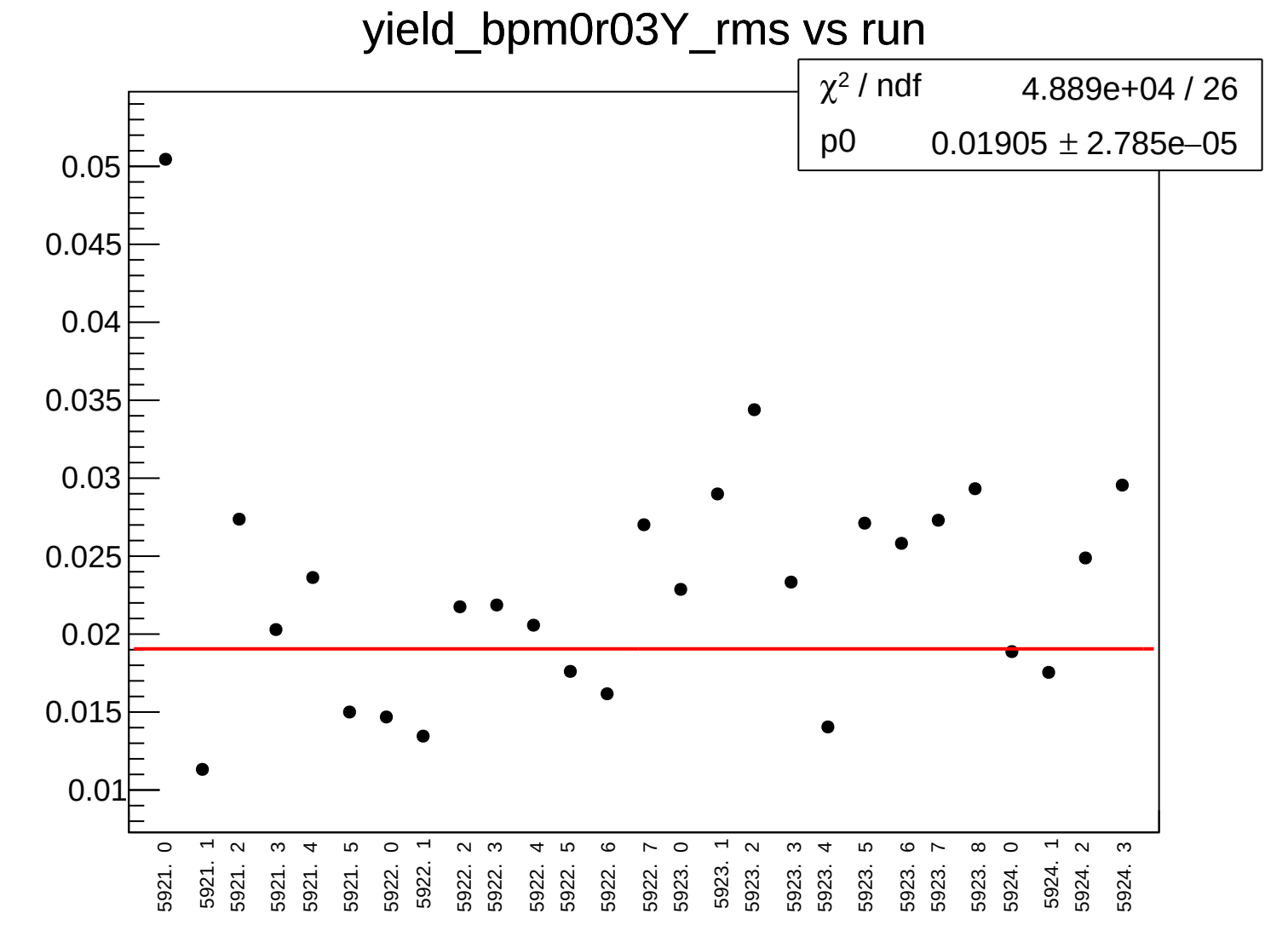

yield_bpm0l10Y_rms vs run
χ² / ndf 6.473e+04 / 26
p0 0.005584 ± 8.302e−06
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

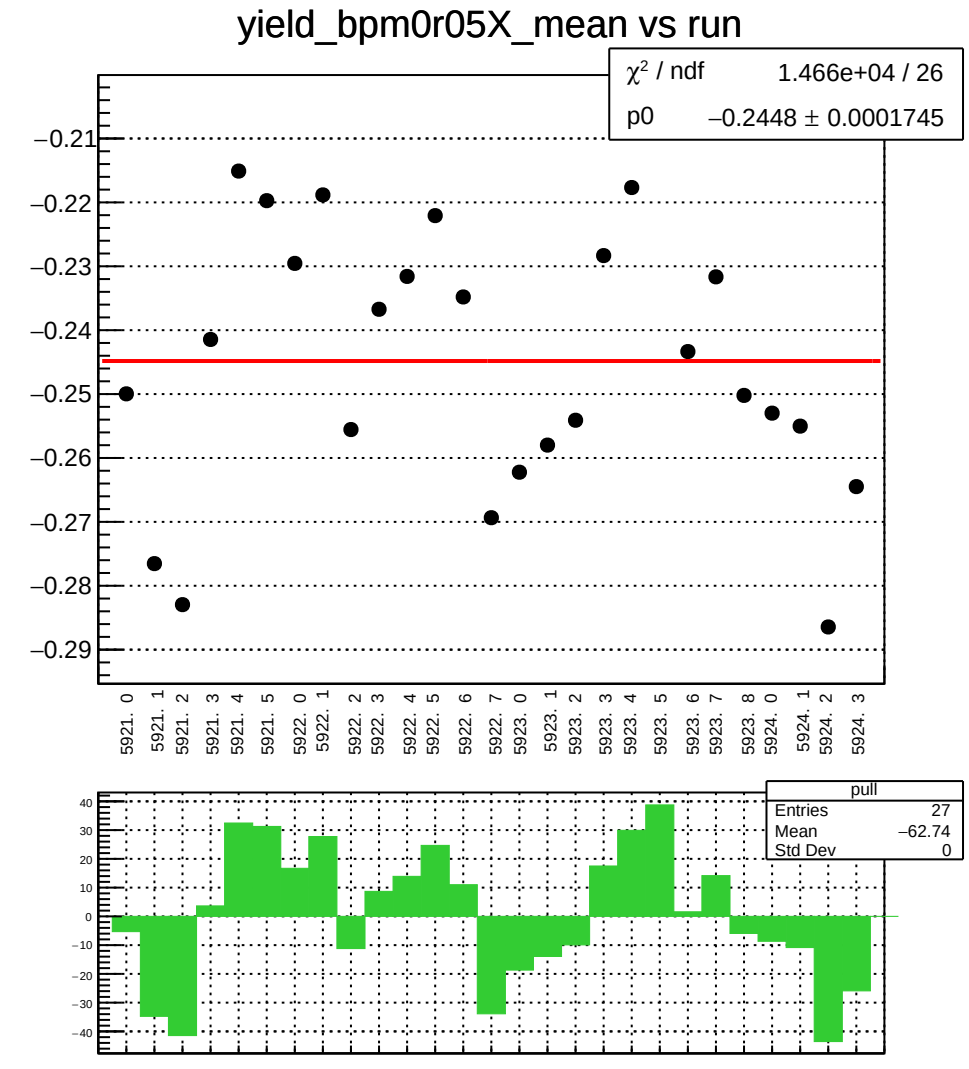

yield_bpm0r03X_mean vs run
χ² / ndf 2.217e+05 / 26
p0 −1.842 ± 0.000138
−1.7
−1.75
−1.8
−1.85
−1.9
−1.95
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −74.43
Std Dev 0
200
150
100
50
0
−50
−100

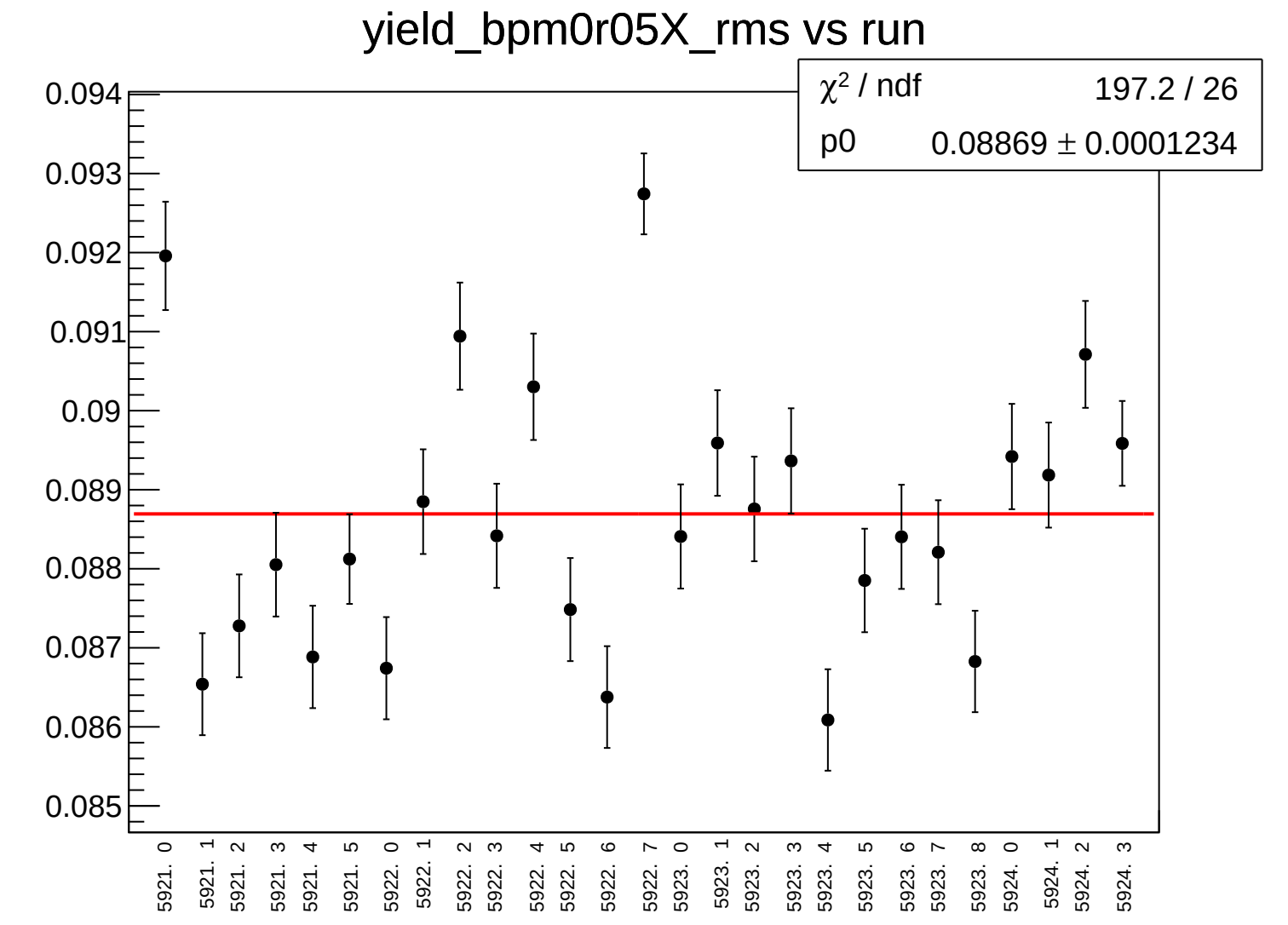

pull1D
Entries 27
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

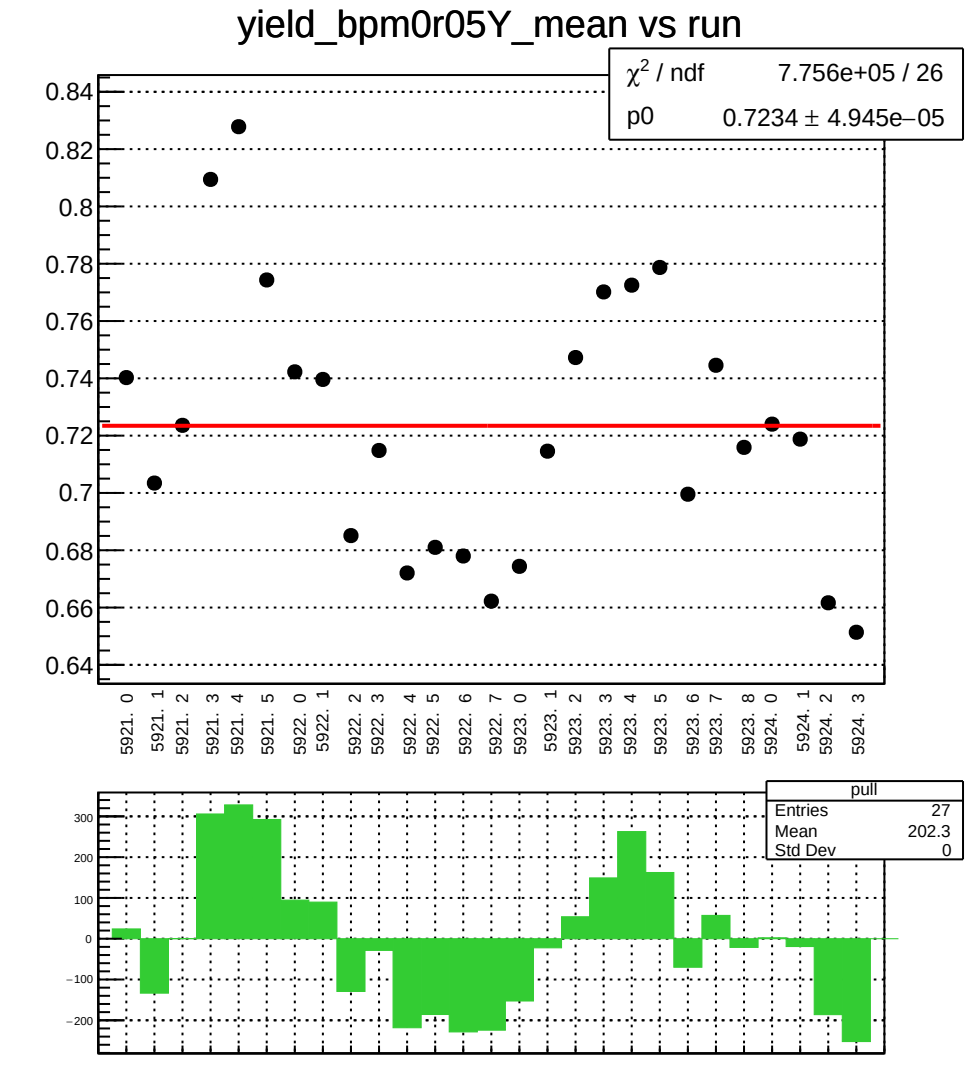

yield_bpm0r03X_rms vs run
χ² / ndf 1960 / 26
p0 0.07004 ± 9.758e–05
0.09
0.085
0.08
0.075
0.07
0.065
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

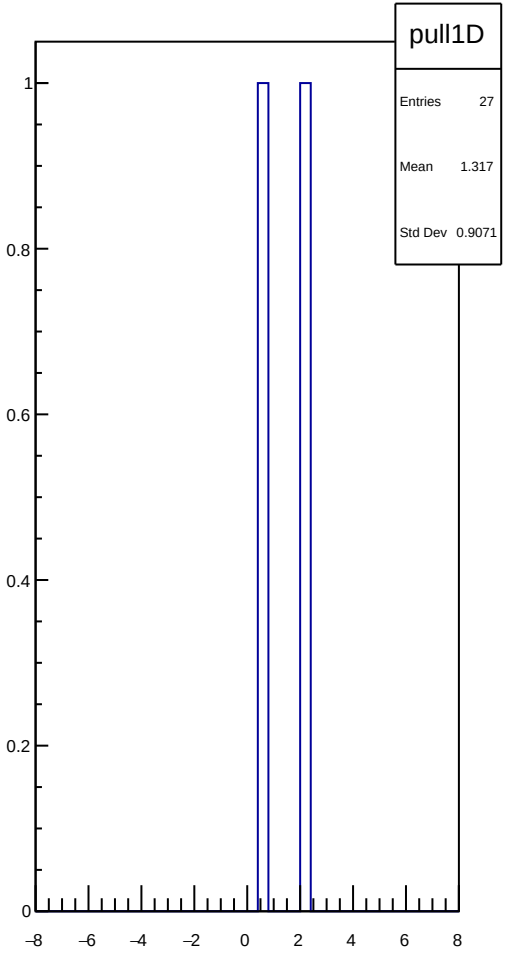

yield_bpm0r03Y_mean vs run
χ² / ndf 6.951e+05 / 26
p0 −0.8011 ± 3.938e−05
−0.72
−0.74
−0.76
−0.78
−0.8
−0.82
−0.84
−0.86
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 91.8
Std Dev 0
300
200
100
0
−100
−200
pull1D
Entries 27
Mean −1.901
Std Dev 5.354
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

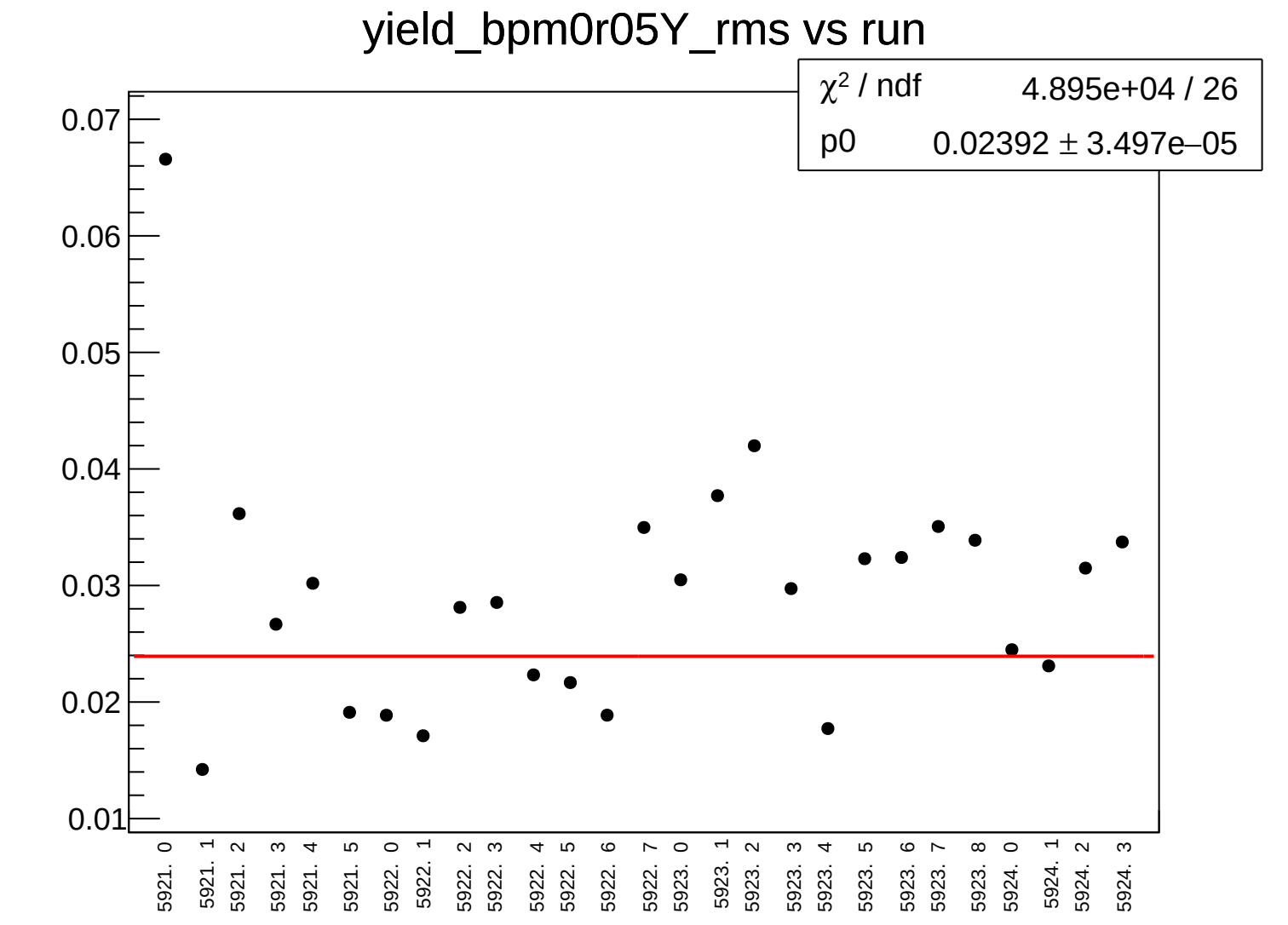

yield_bpm0r03Y_rms vs run
χ² / ndf 4.889e+04 / 26
p0 0.01905 ± 2.785e−05
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

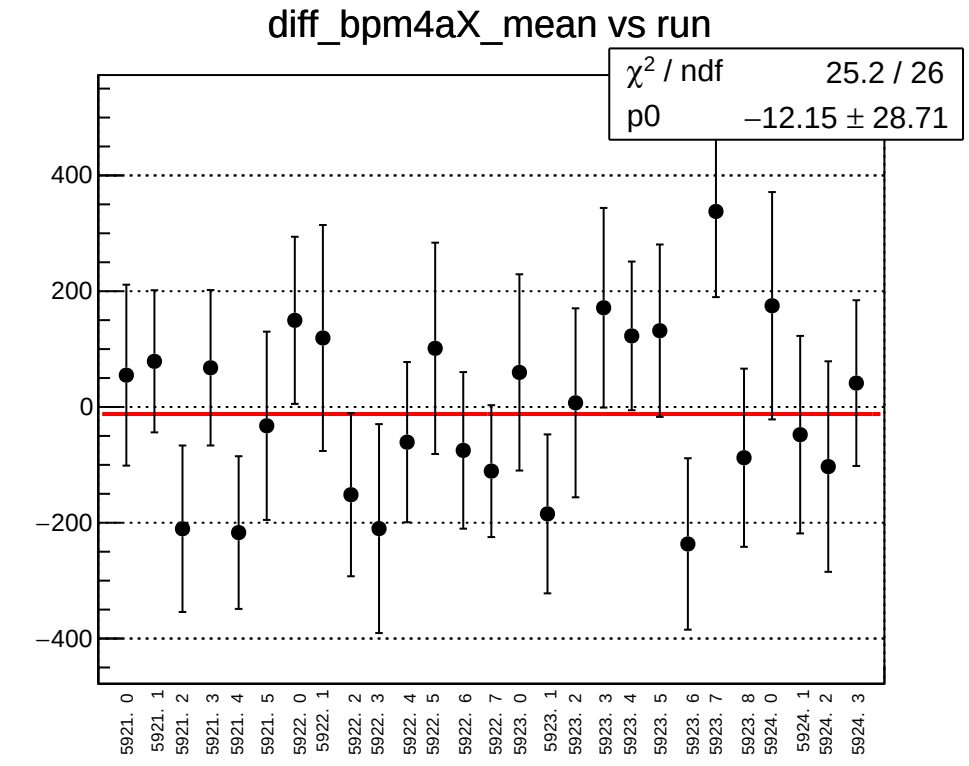

yield_bpm0r05X_mean vs run
χ² / ndf 1.466e+04 / 26
p0 −0.2448 ± 0.0001745
−0.21
−0.22
−0.23
−0.24
−0.25
−0.26
−0.27
−0.28
−0.29
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −62.74
Std Dev 0
40
30
20
10
0
−10
−20
−30
−40
pull1D
Entries 27
Mean −1.502
Std Dev 4.183
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

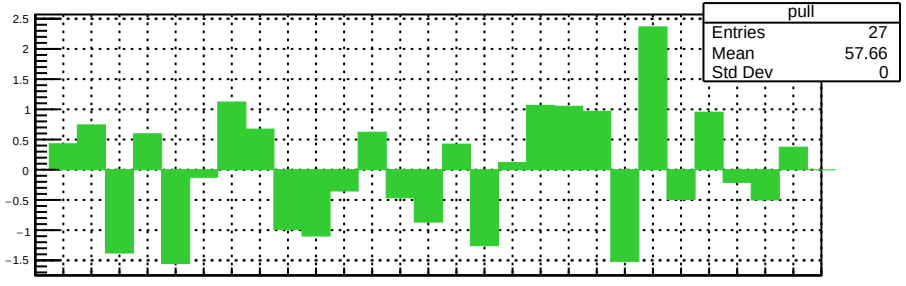

yield_bpm0r05X_rms vs run
χ² / ndf 197.2 / 26
p0 0.08869 ± 0.0001234
0.094
0.093
0.092
0.091
0.09
0.089
0.088
0.087
0.086
0.085
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

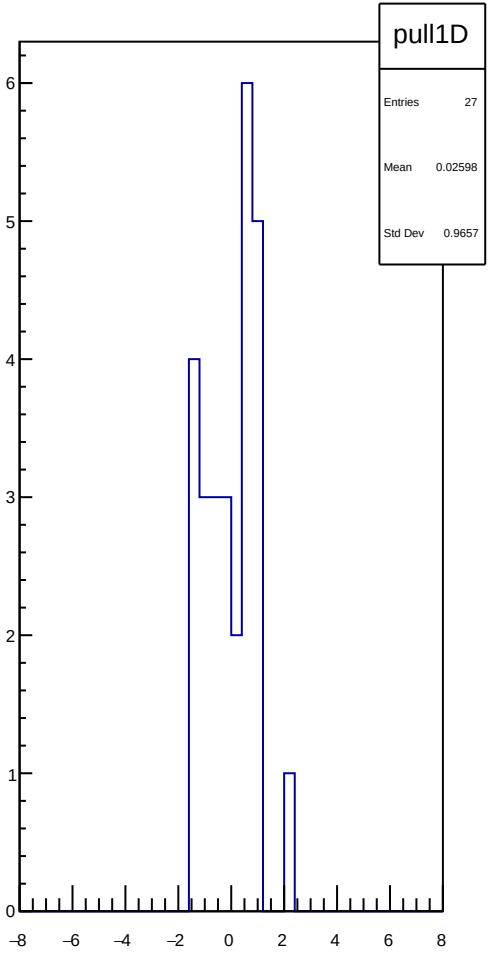

yield_bpm0r05Y_mean vs run
χ² / ndf 7.756e+05 / 26
p0 0.7234 ± 4.945e−05
0.84
0.82
0.8
0.78
0.76
0.74
0.72
0.7
0.68
0.66
0.64
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 202.3
Std Dev 0
300
200
100
0
−100
−200

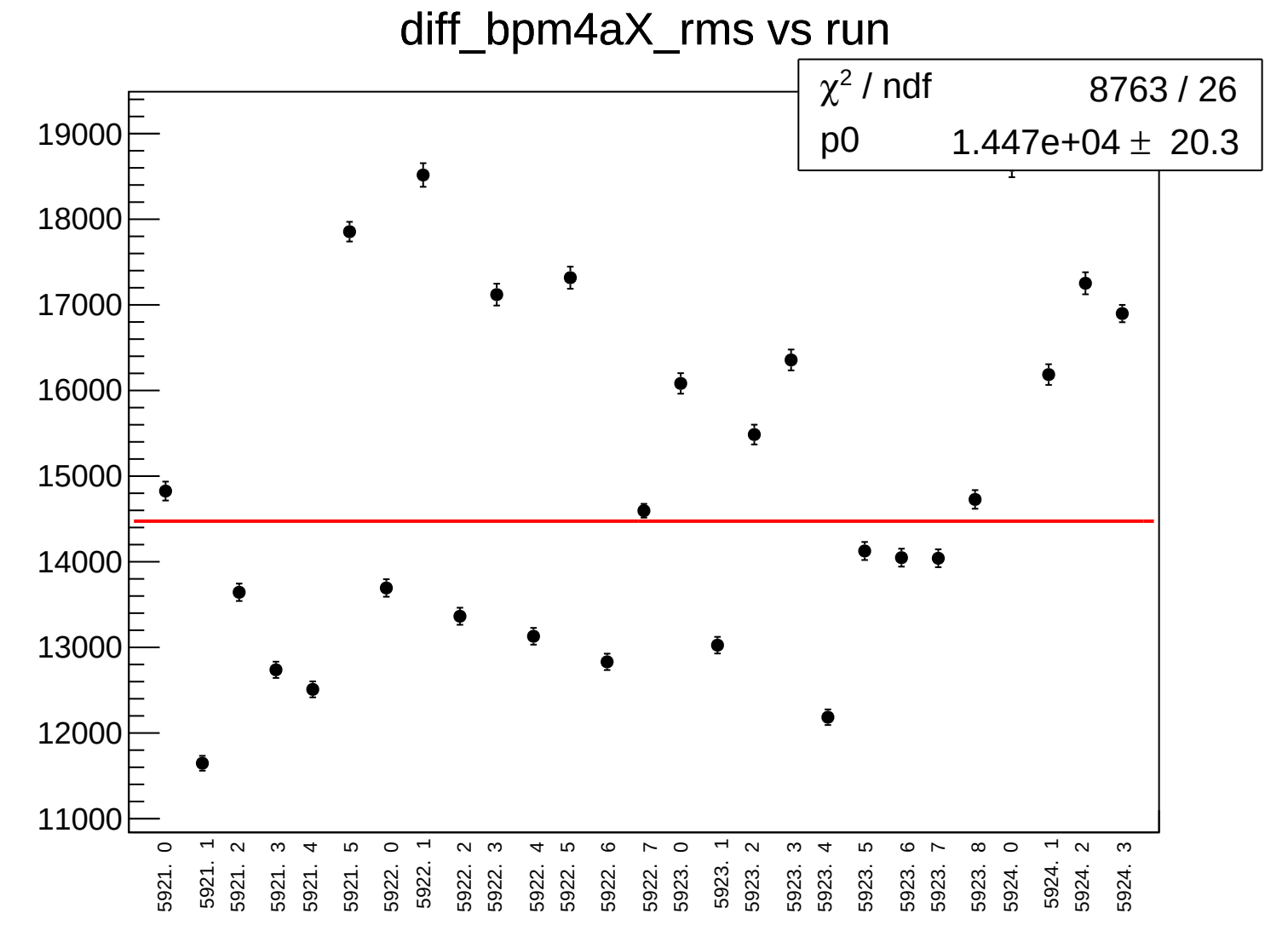

pull1D
Entries 27
Mean 1.317
Std Dev 0.9071
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

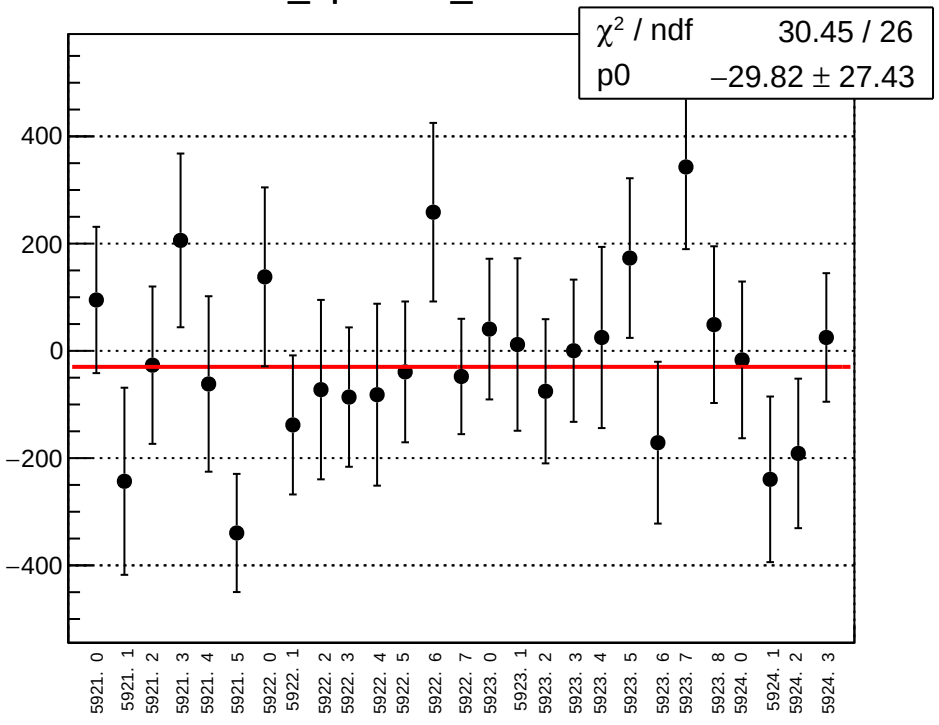

yield_bpm0r05Y_rms vs run
χ² / ndf 4.895e+04 / 26
p0 0.02392 ± 3.497e–05
0.07
0.06
0.05
0.04
0.03
0.02
0.01
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

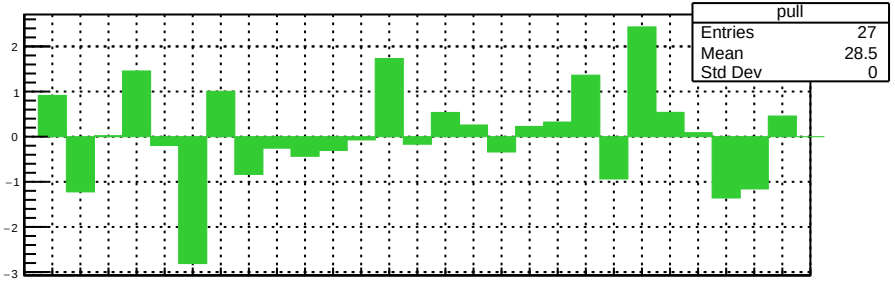

diff_bpm4aX_mean vs run
χ² / ndf 25.2 / 26
p0 −12.15 ± 28.71
400
200
0
−200
−400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

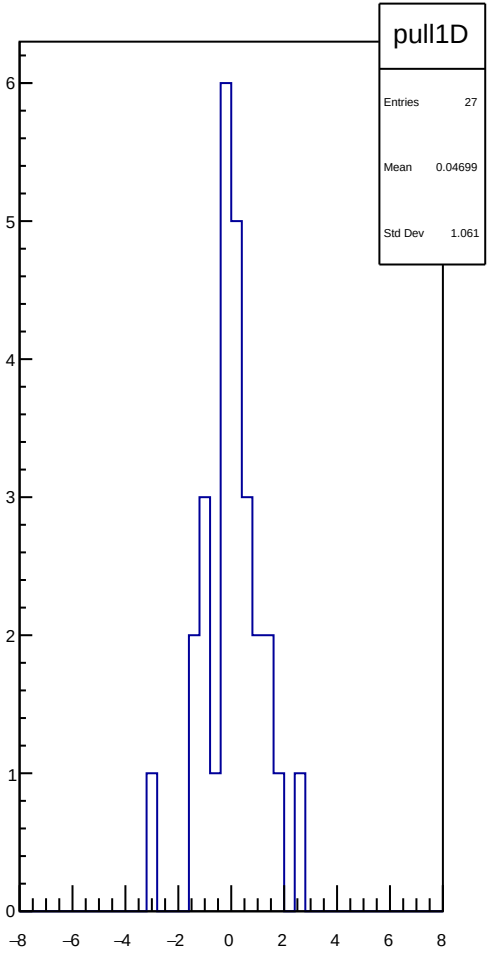

pull
Entries 27
Mean 57.66
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

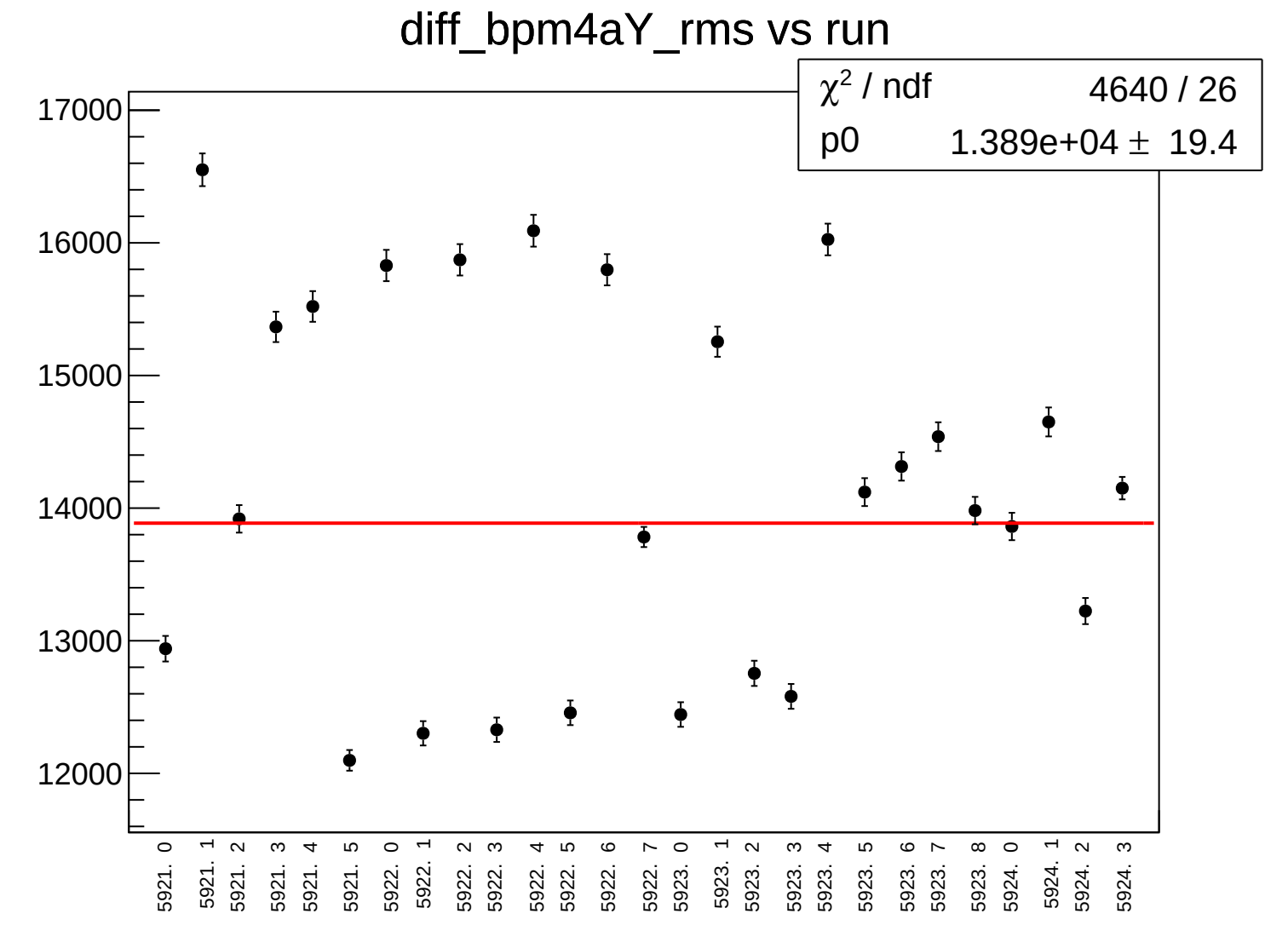

pull1D
Entries 27
Mean 0.02598
Std Dev 0.9657
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

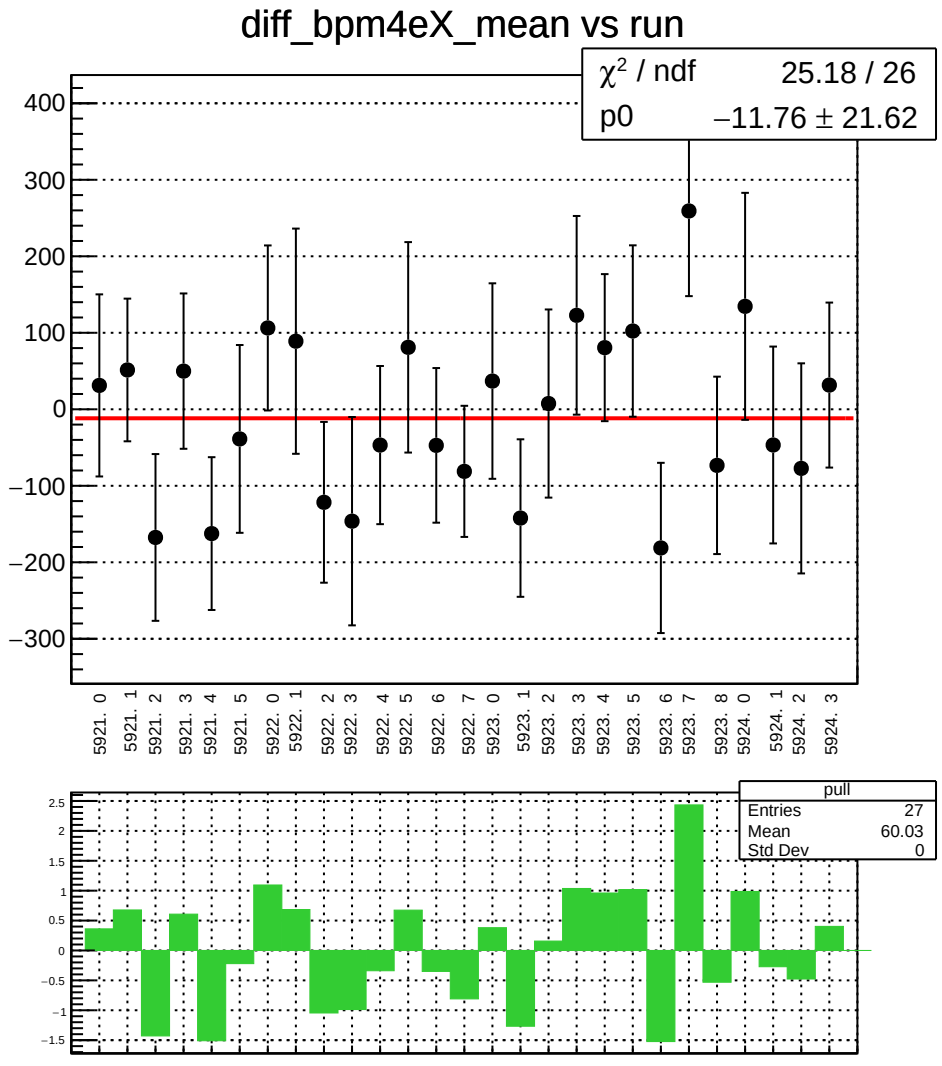

diff_bpm4aX_rms vs run
χ² / ndf 8763 / 26
p0 1.447e+04 ± 20.3
19000
18000
17000
16000
15000
14000
13000
12000
11000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

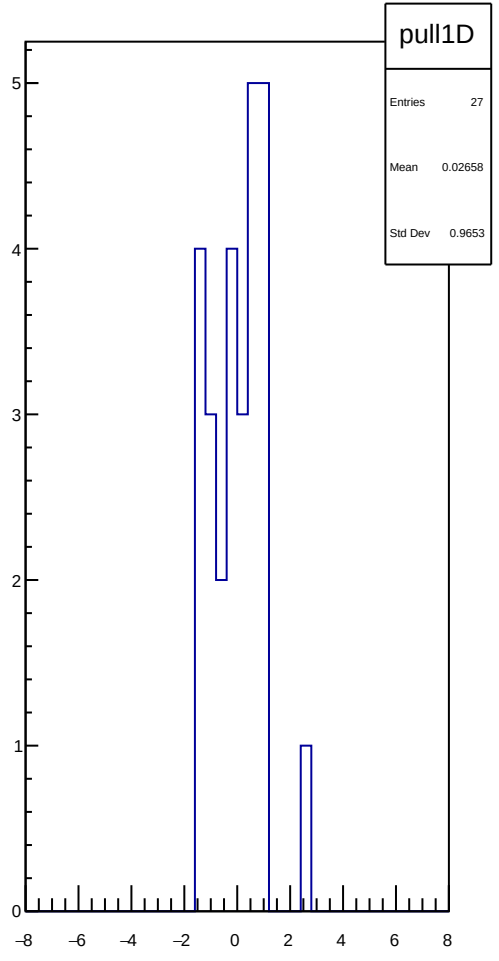

diff_bpm4aY_mean vs run
χ² / ndf 30.45 / 26
p0 −29.82 ± 27.43
400
200
0
−200
−400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

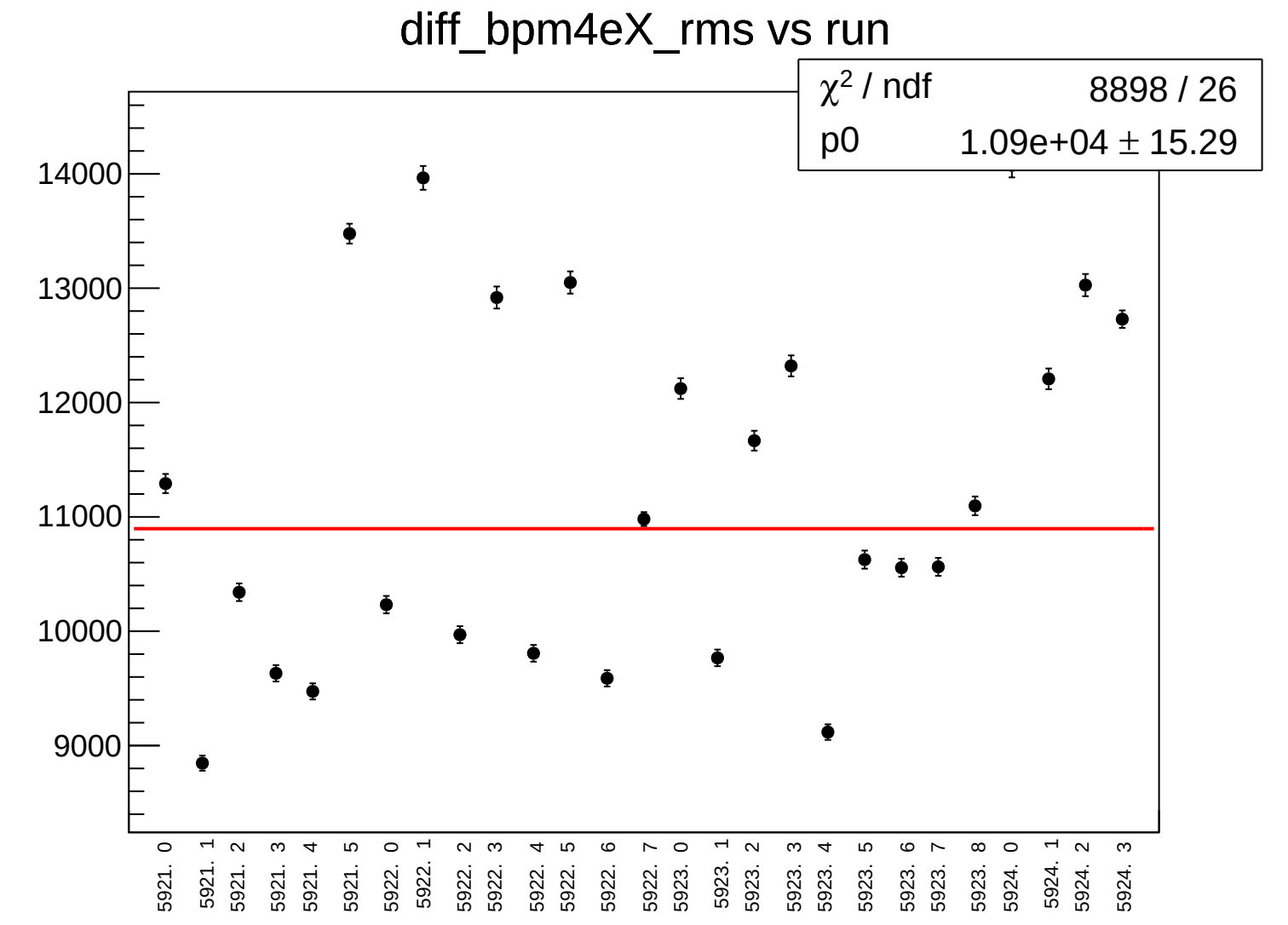

pull
Entries 27
Mean 28.5
Std Dev 0
2
1
0
−1
−2
−3

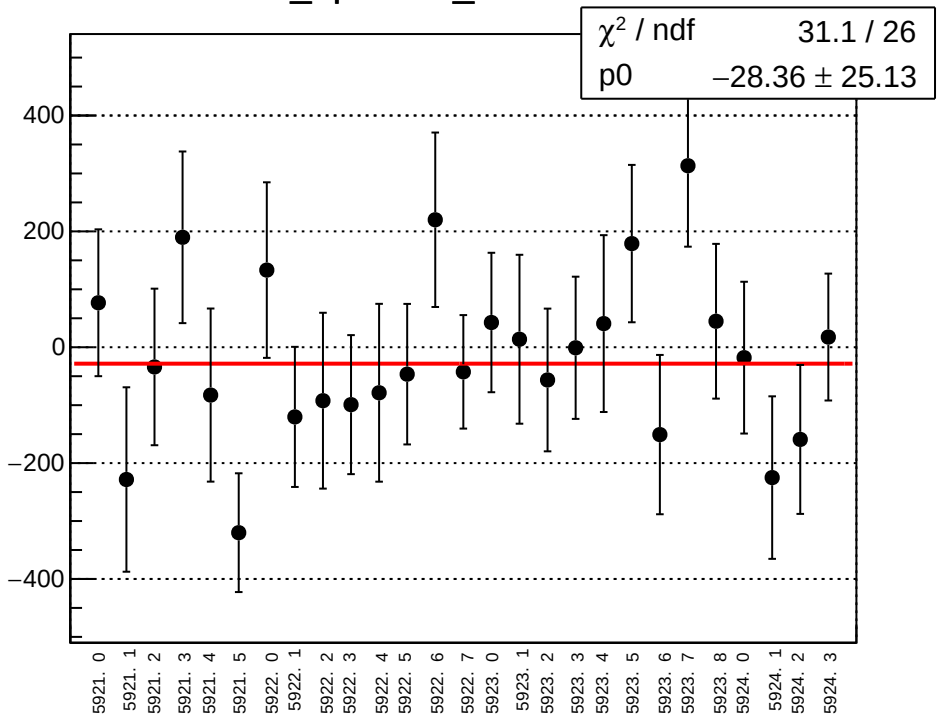

pull1D
Entries 27
Mean 0.04699
Std Dev 1.061
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

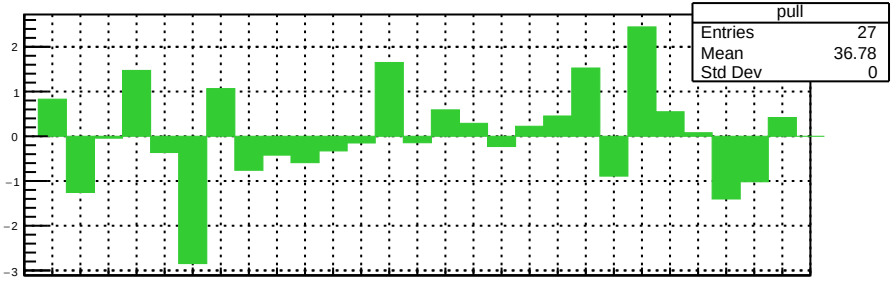

diff_bpm4aY_rms vs run
χ² / ndf 4640 / 26
p0 1.389e+04 ± 19.4
17000
16000
15000
14000
13000
12000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

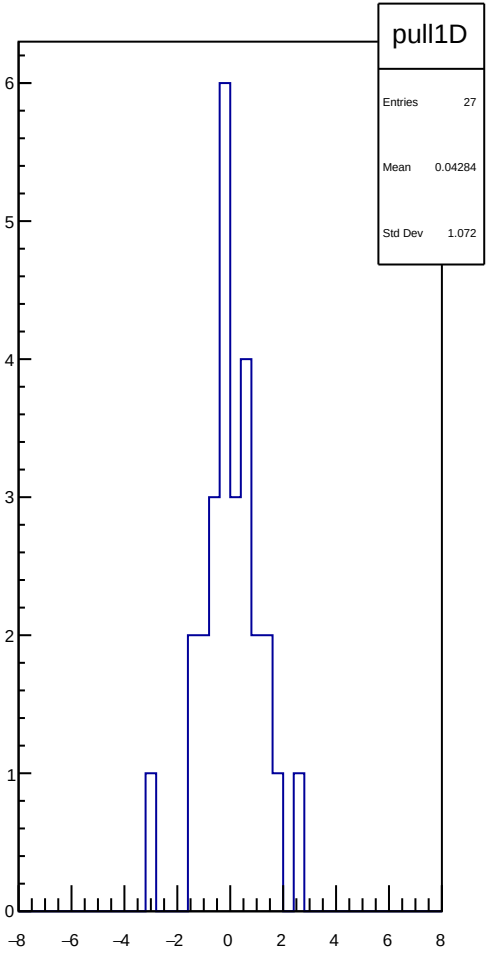

diff_bpm4eX_mean vs run
χ² / ndf 25.18 / 26
p0 −11.76 ± 21.62
400
300
200
100
0
−100
−200
−300
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 60.03
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

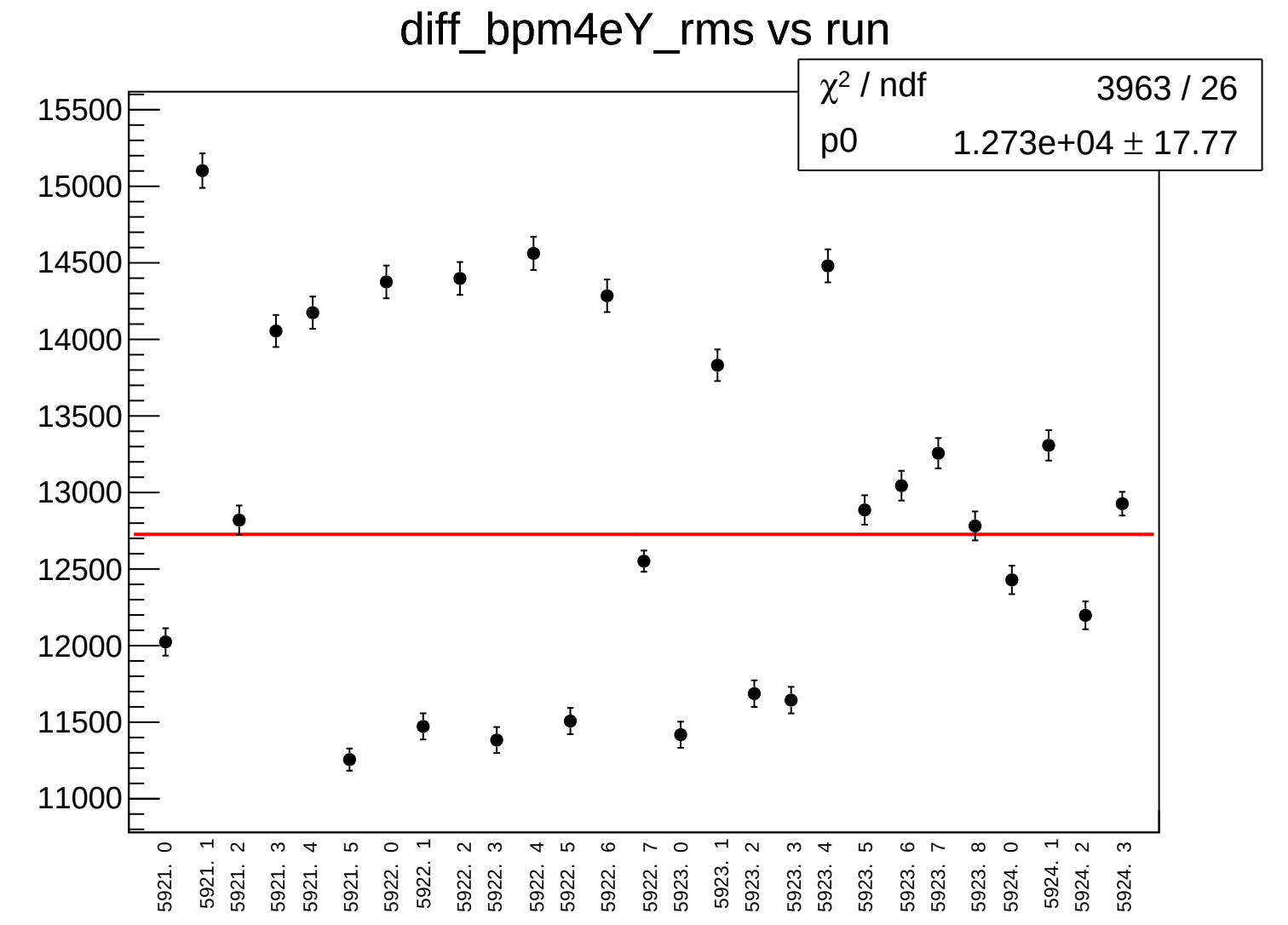

pull1D
Entries 27
Mean 0.02658
Std Dev 0.9653
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

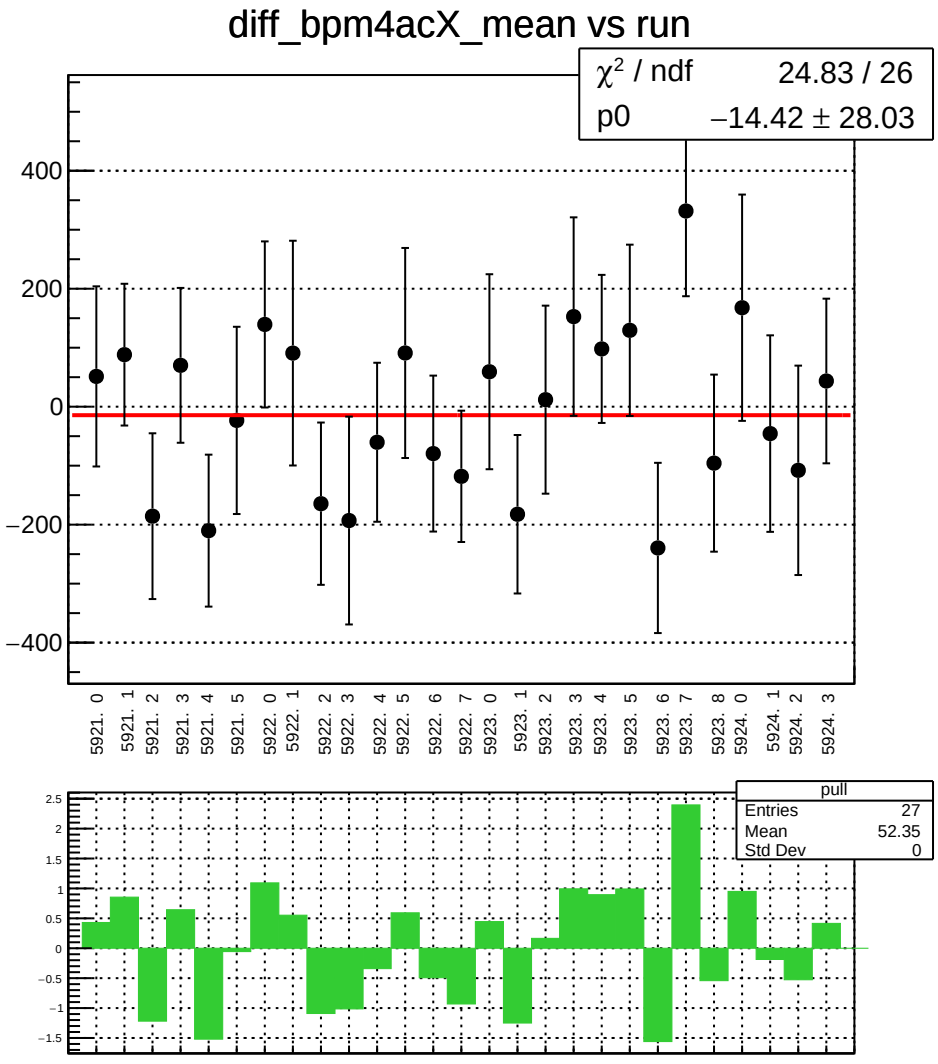

diff_bpm4eX_rms vs run
χ² / ndf 8898 / 26
p0 1.09e+04 ± 15.29
14000
13000
12000
11000
10000
9000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

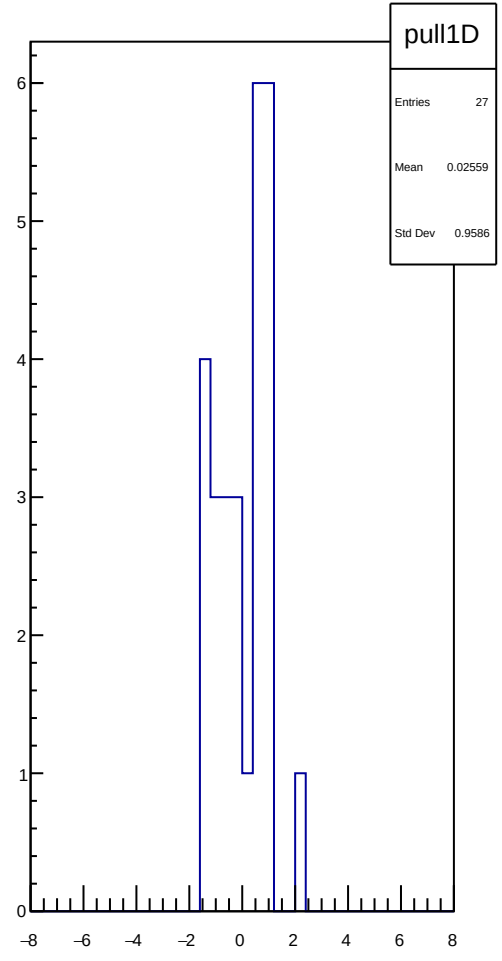

diff_bpm4eY_mean vs run
χ² / ndf 31.1 / 26
p0 −28.36 ± 25.13
400
200
0
−200
−400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

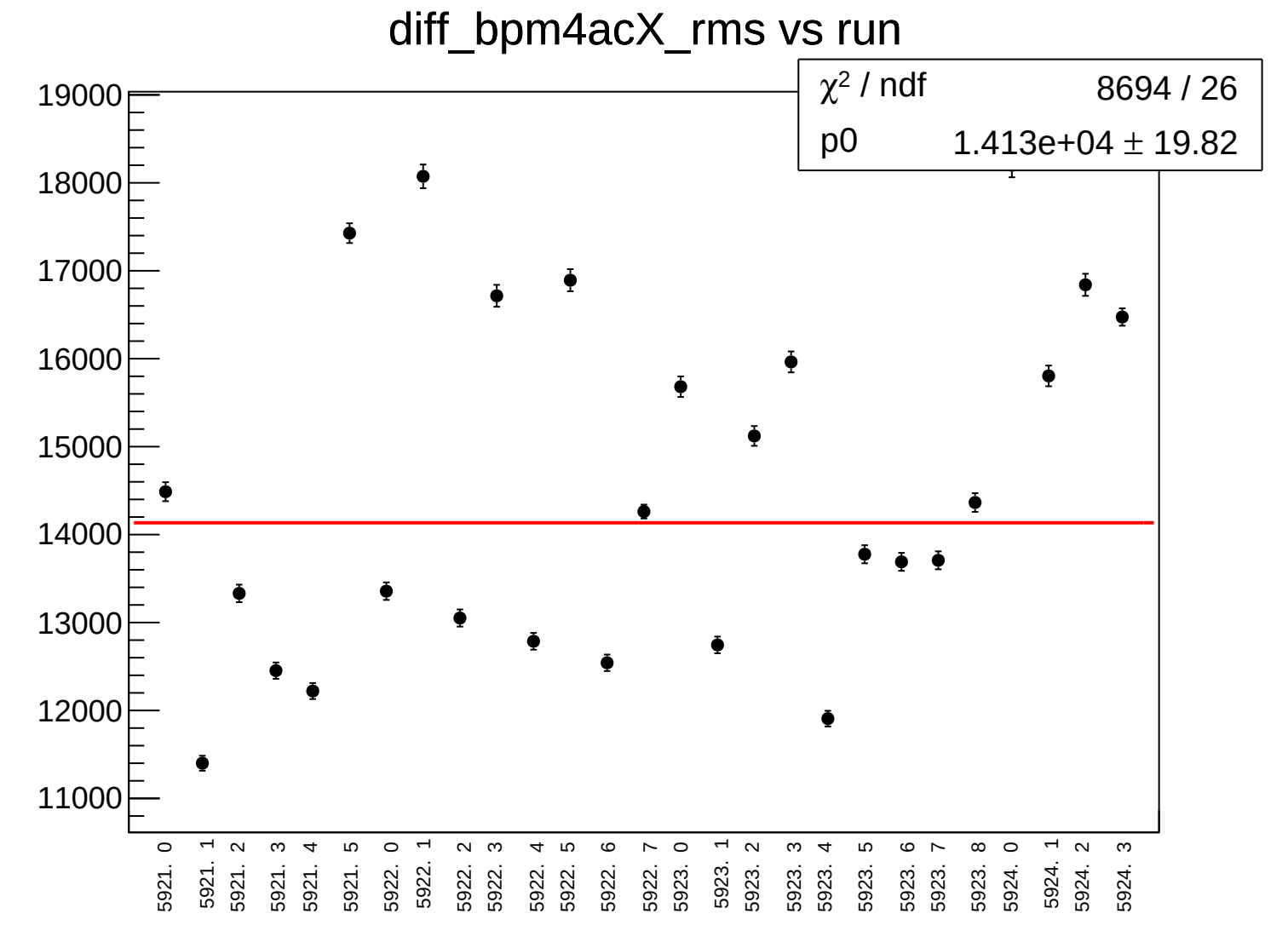

pull
Entries 27
Mean 36.78
Std Dev 0
2
1
0
−1
−2
−3

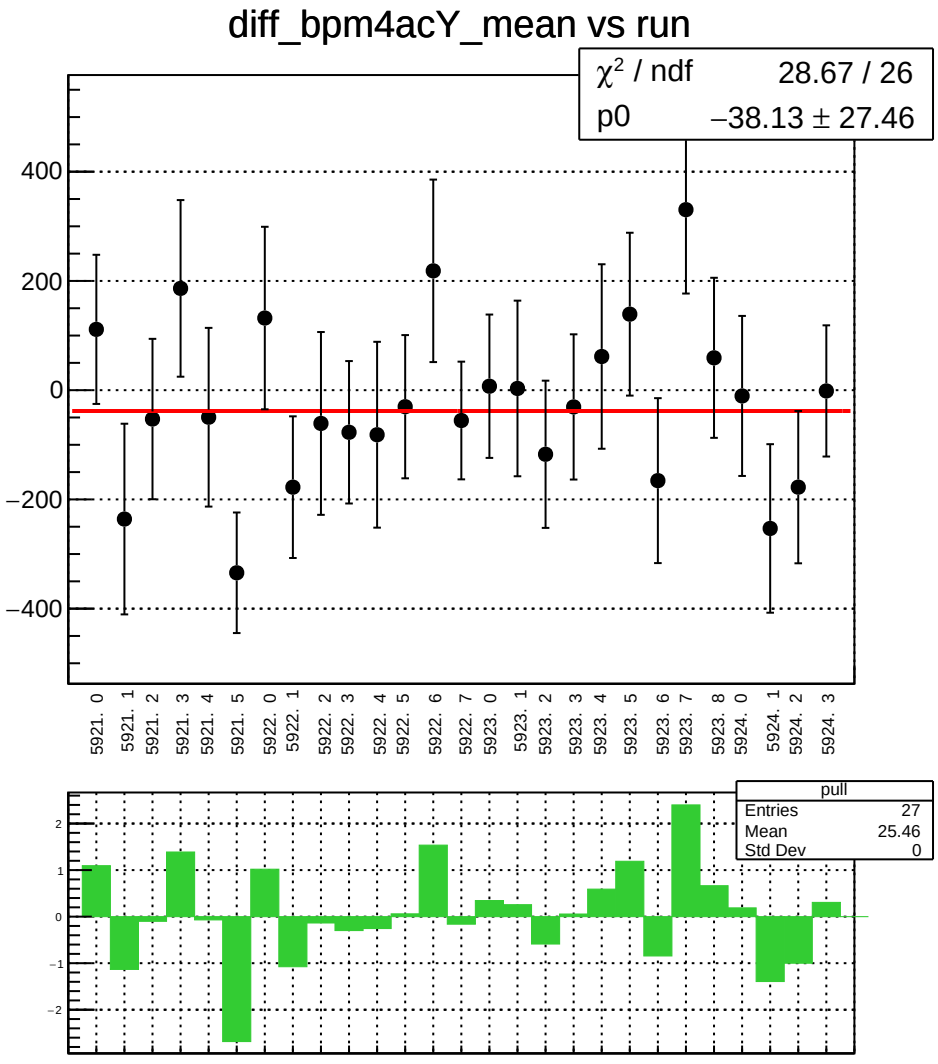

pull1D
Entries 27
Mean 0.04284
Std Dev 1.072
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

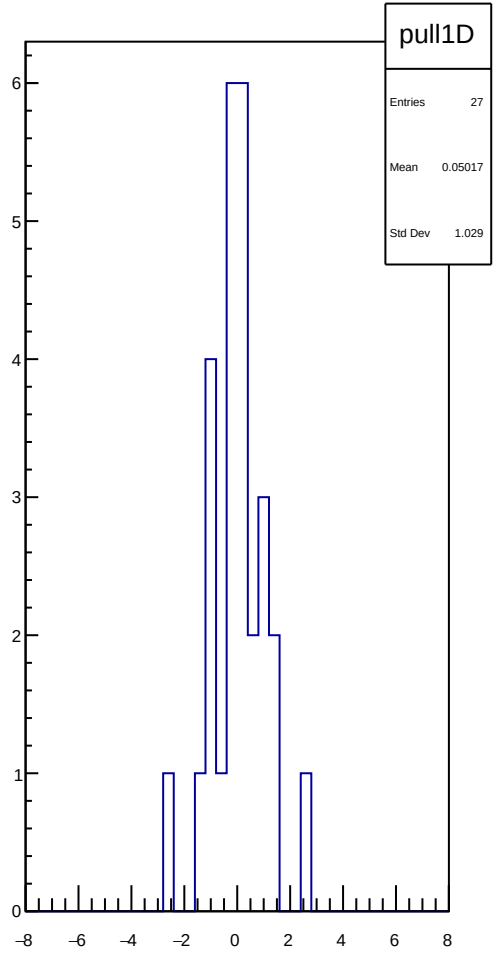

diff_bpm4eY_rms vs run
χ² / ndf 3963 / 26
p0 1.273e+04 ± 17.77
15500
15000
14500
14000
13500
13000
12500
12000
11500
11000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

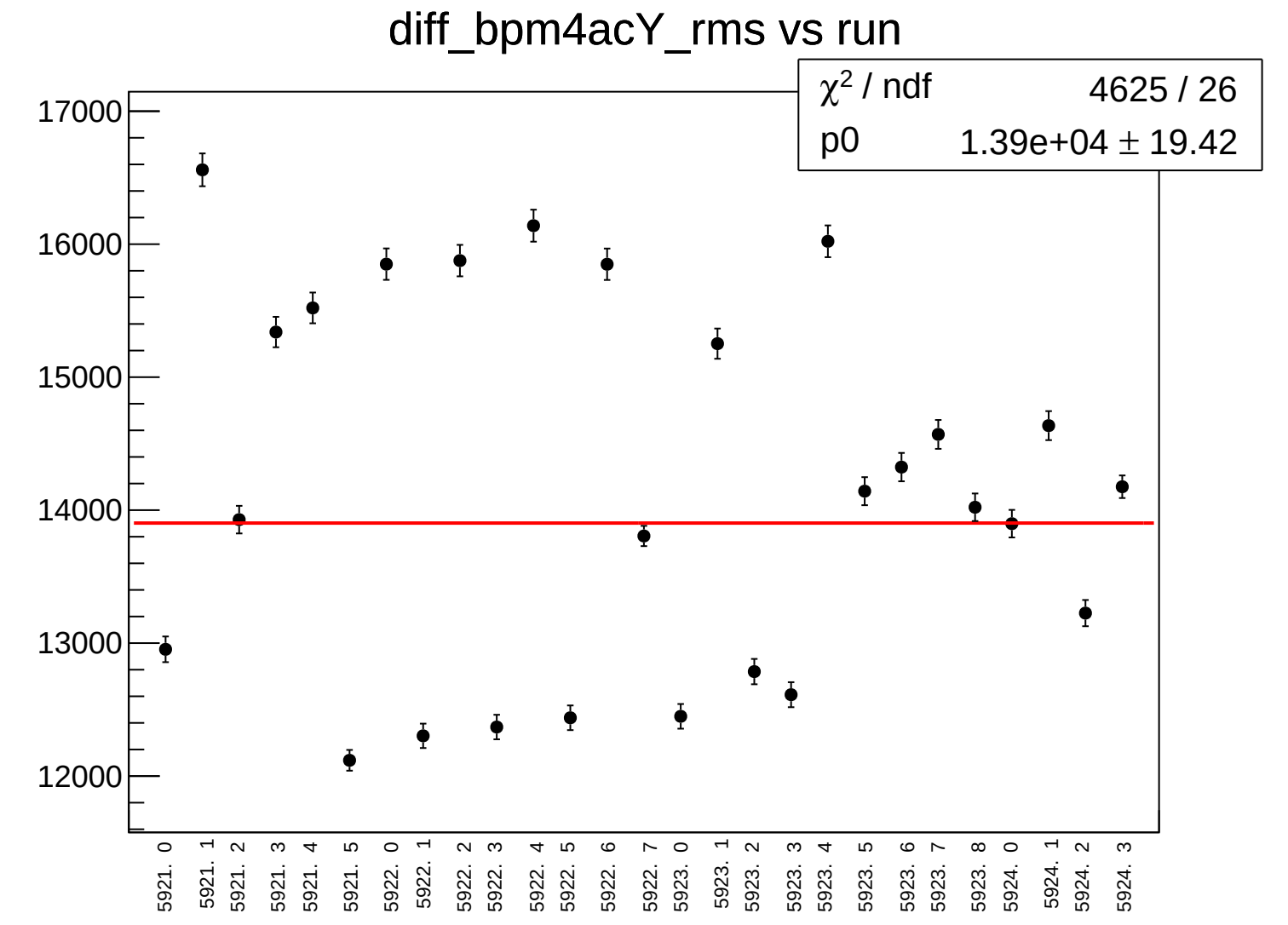

diff_bpm4acX_mean vs run
χ² / ndf 24.83 / 26
p0 −14.42 ± 28.03
400
200
0
−200
−400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 52.35
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

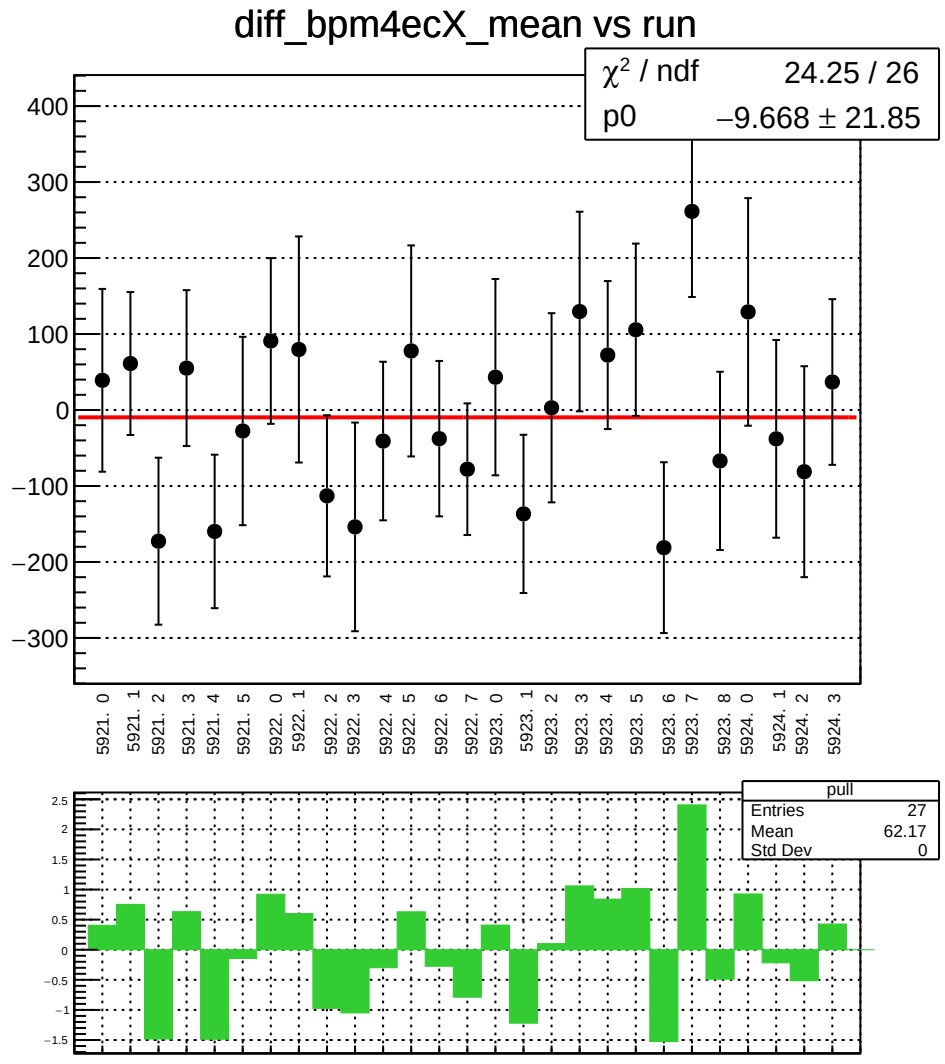

pull1D
Entries 27
Mean 0.02559
Std Dev 0.9586
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

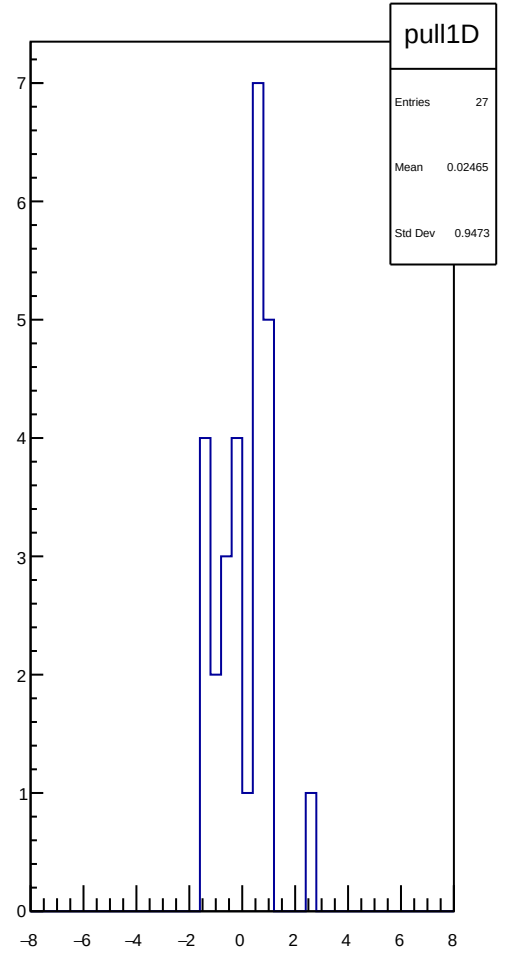

diff_bpm4acX_rms vs run
χ² / ndf 8694 / 26
p0 1.413e+04 ± 19.82
19000
18000
17000
16000
15000
14000
13000
12000
11000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

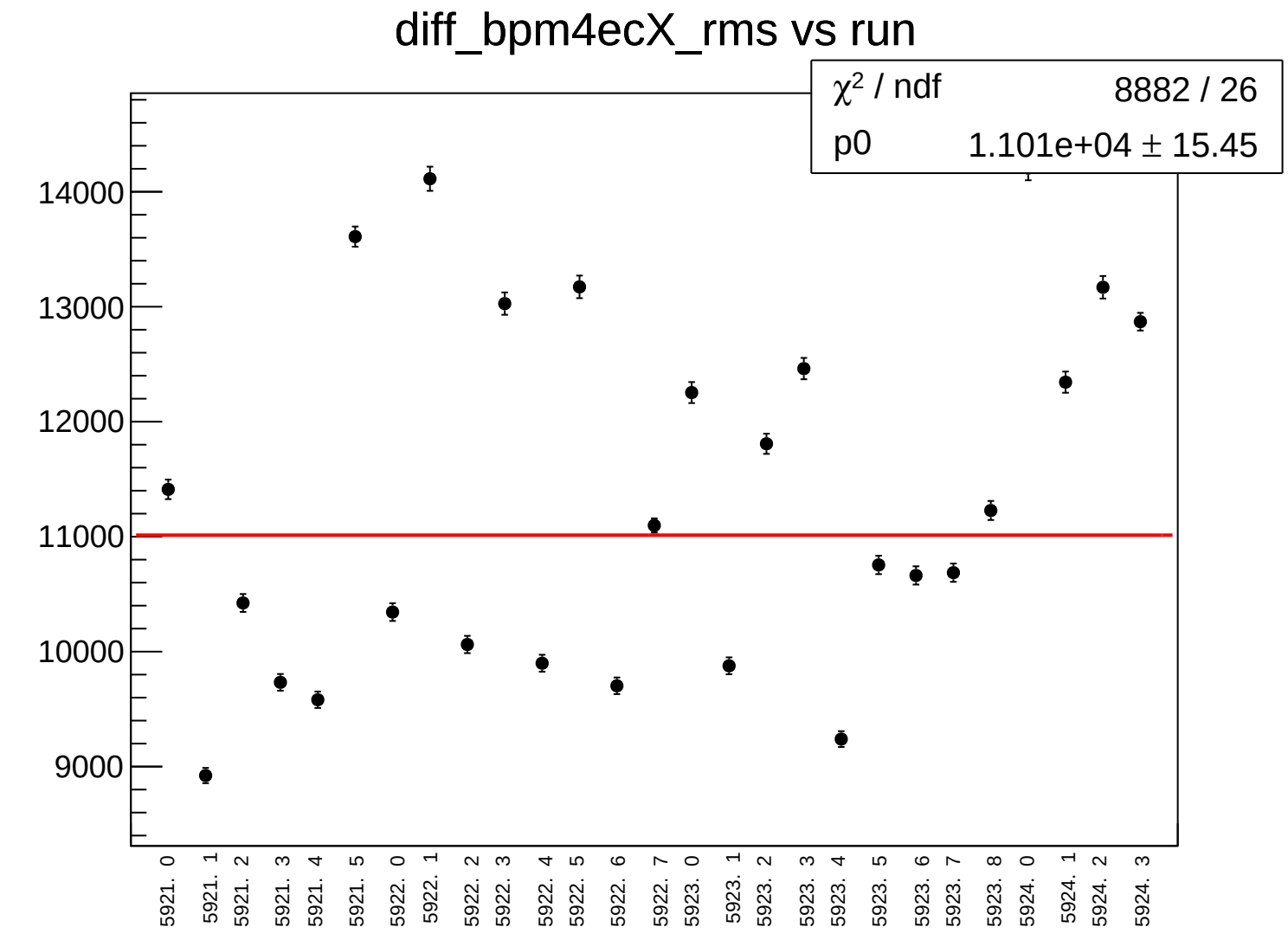

diff_bpm4acY_mean vs run
χ² / ndf 28.67 / 26
p0 −38.13 ± 27.46
400
200
0
−200
−400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 25.46
Std Dev 0
2
1
0
−1
−2

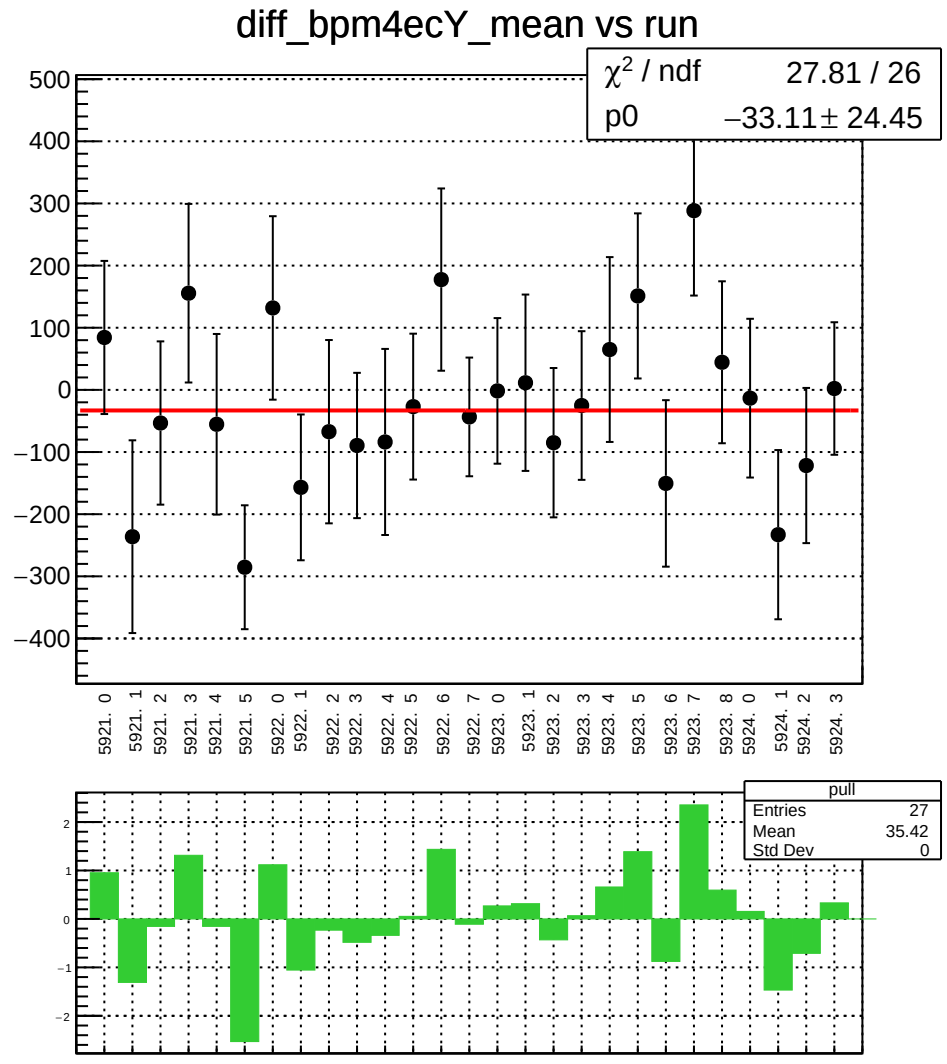

pull1D
Entries 27
Mean 0.05017
Std Dev 1.029
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

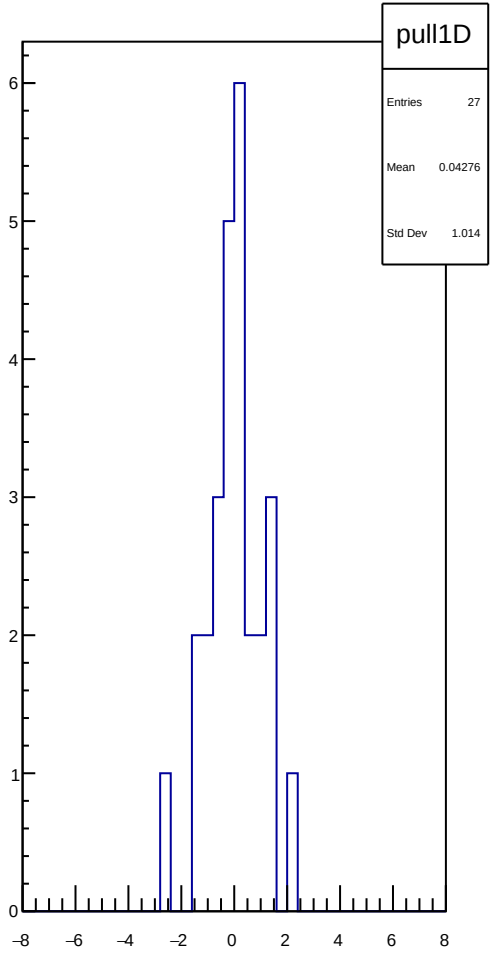

diff_bpm4acY_rms vs run
χ² / ndf 4625 / 26
p0 1.39e+04 ± 19.42
17000
16000
15000
14000
13000
12000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

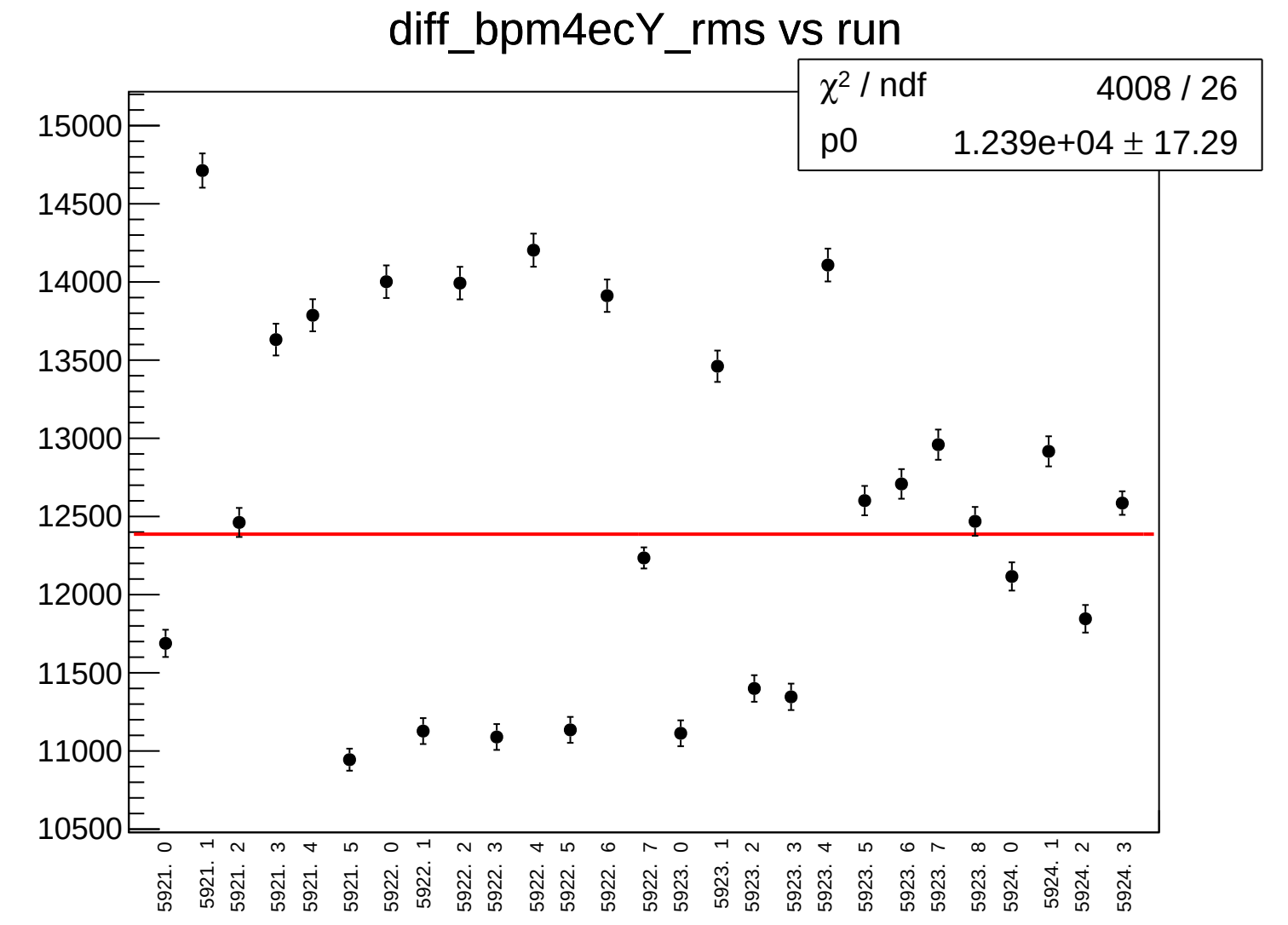

diff_bpm4ecX_mean vs run
χ² / ndf 24.25 / 26
p0 −9.668 ± 21.85
400
300
200
100
0
−100
−200
−300
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 62.17
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

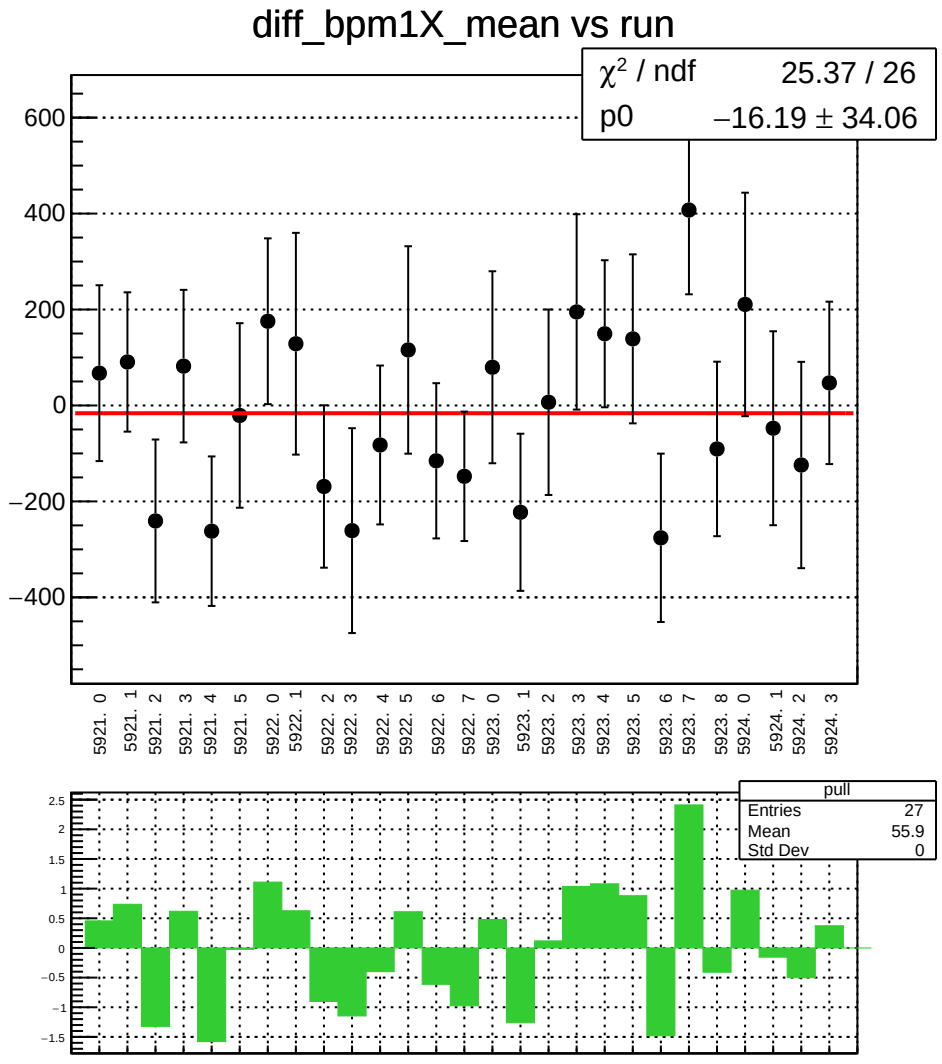

pull1D
Entries 27
Mean 0.02465
Std Dev 0.9473
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

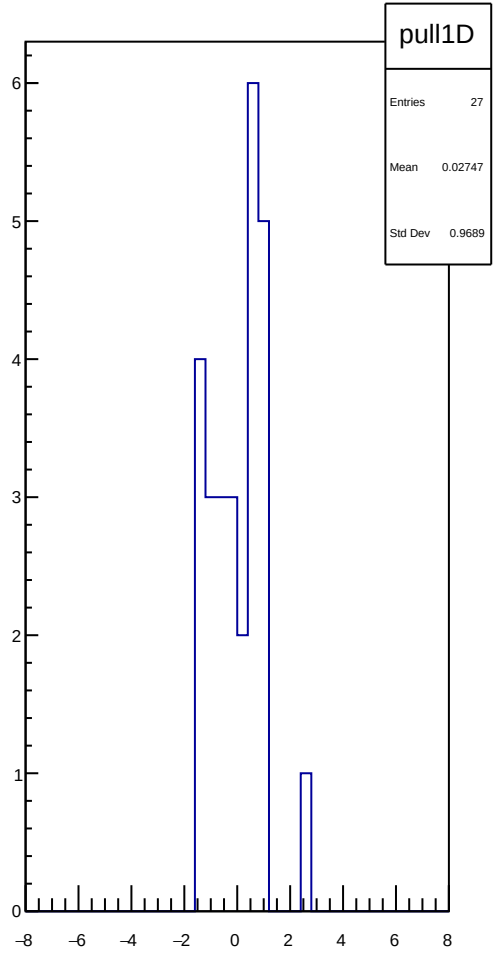

diff_bpm4ecX_rms vs run
χ² / ndf 8882 / 26
p0 1.101e+04 ± 15.45
14000
13000
12000
11000
10000
9000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

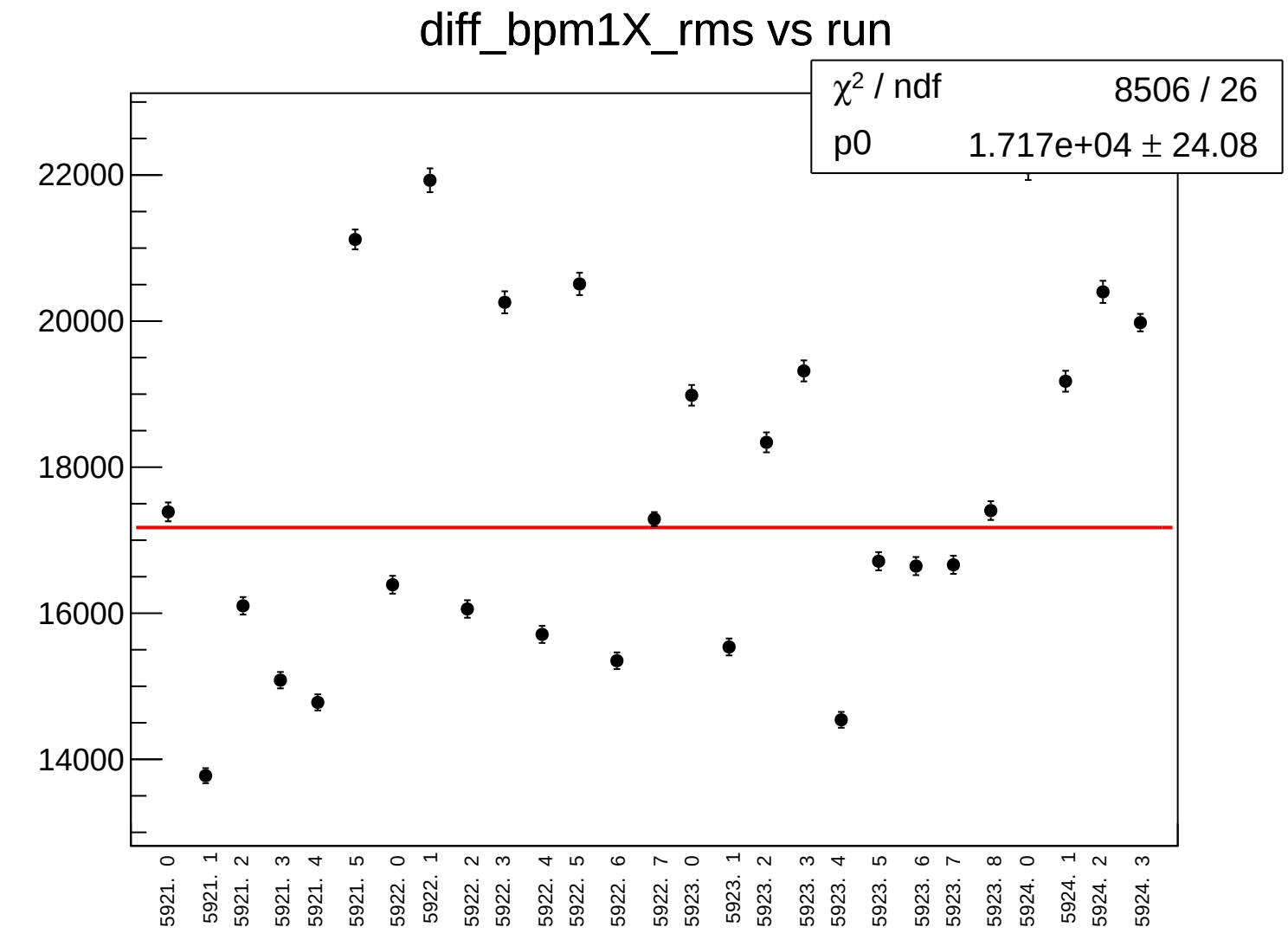

diff_bpm4ecY_mean vs run
χ² / ndf 27.81 / 26
p0 −33.11 ± 24.45
500
400
300
200
100
0
−100
−200
−300
−400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 35.42
Std Dev 0
2
1
0
−1
−2

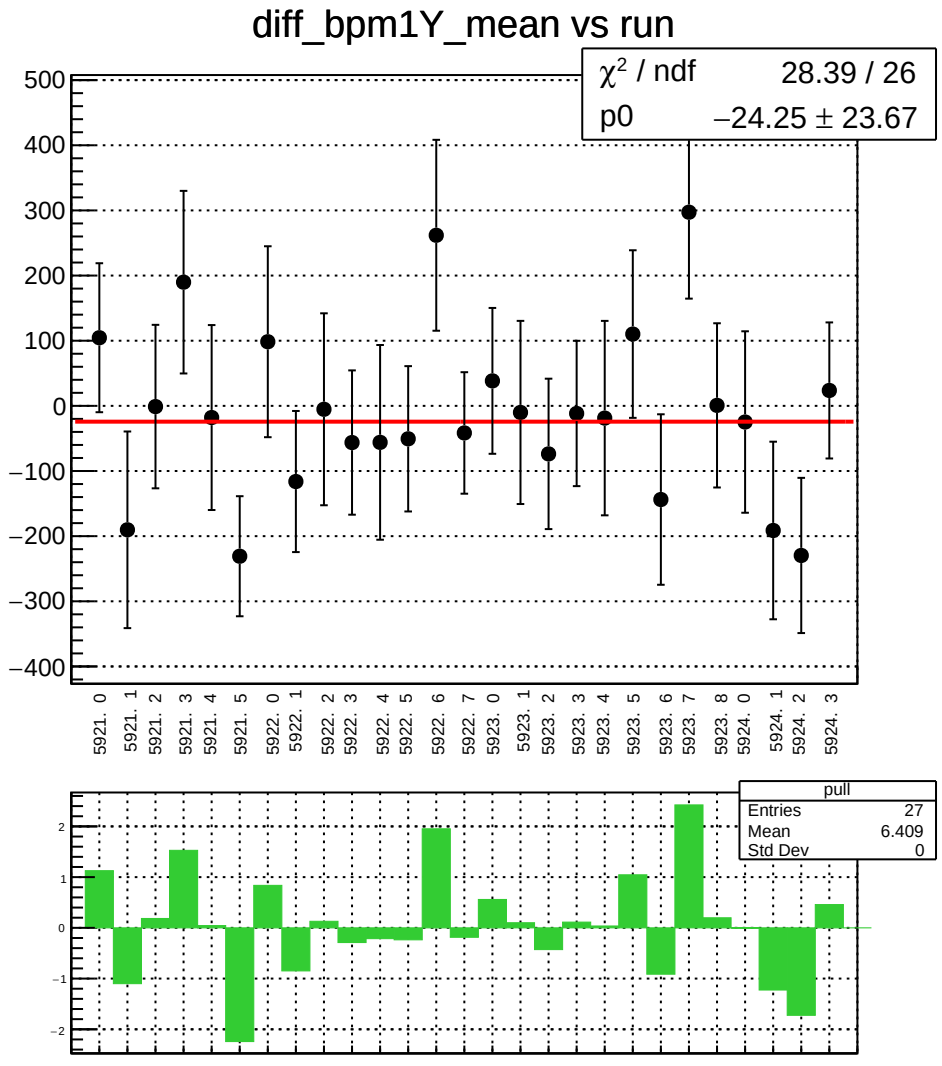

pull1D
Entries 27
Mean 0.04276
Std Dev 1.014
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

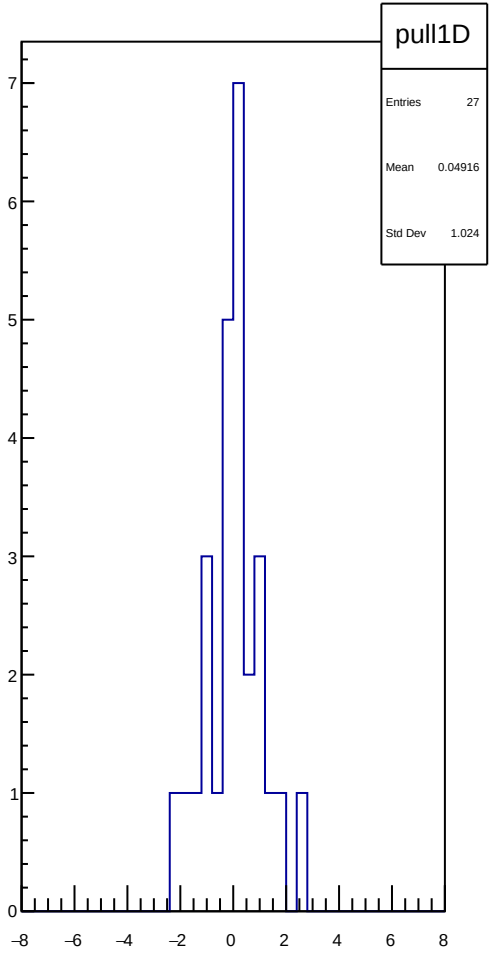

diff_bpm4ecY_rms vs run
χ² / ndf 4008 / 26
p0 1.239e+04 ± 17.29
15000
14500
14000
13500
13000
12500
12000
11500
11000
10500
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

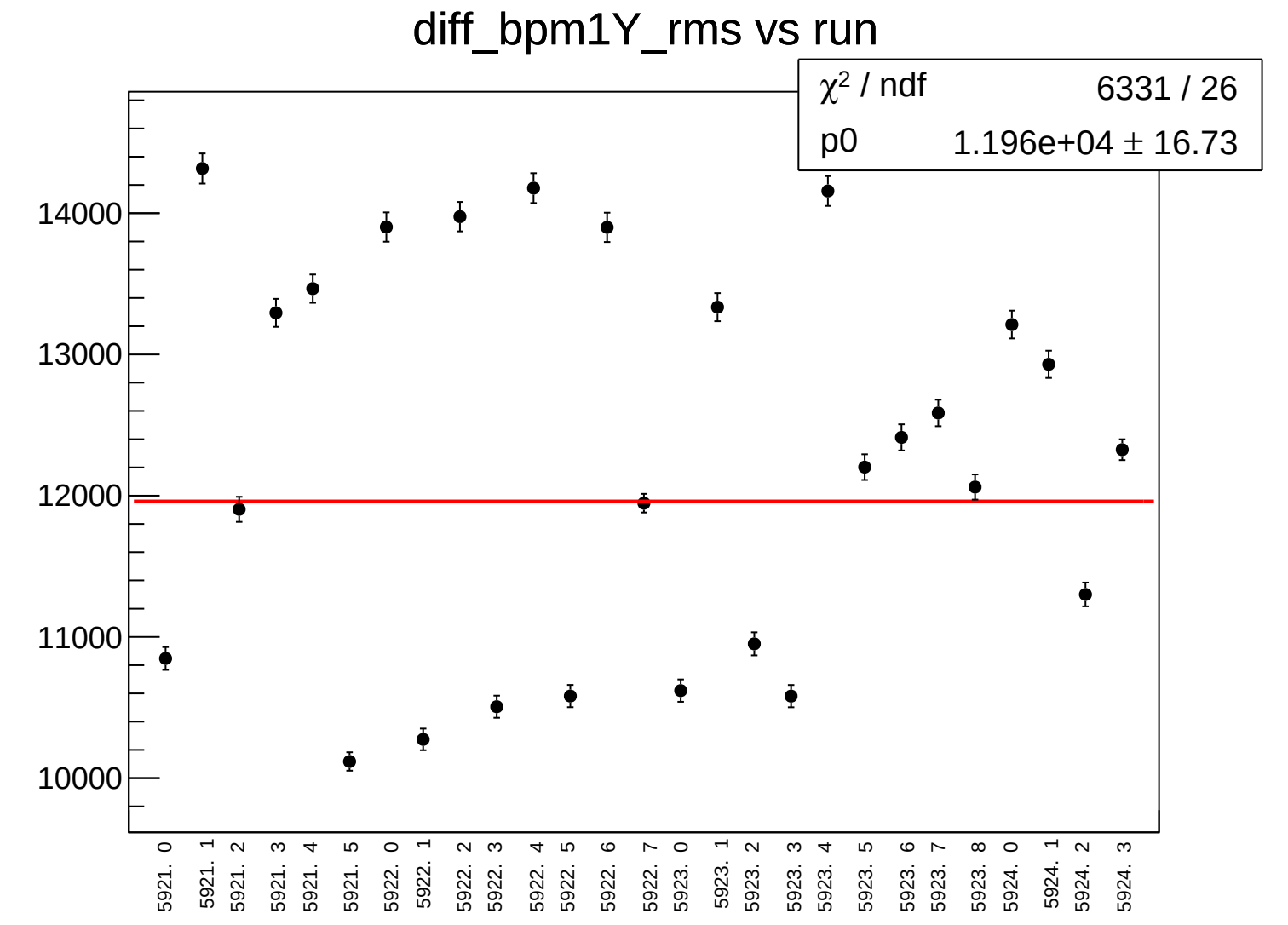

diff_bpm1X_mean vs run
χ² / ndf 25.37 / 26
p0 −16.19 ± 34.06
600
400
200
0
−200
−400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 55.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

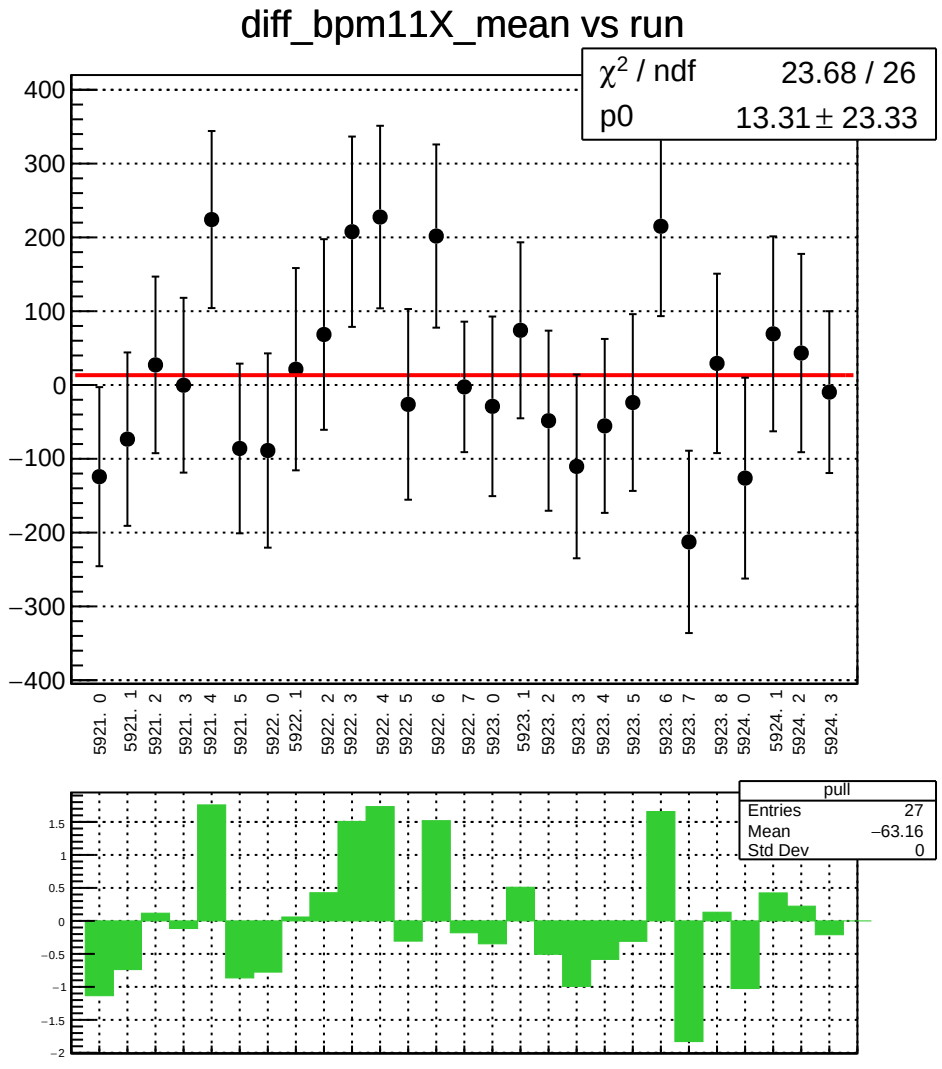

pull1D
Entries 27
Mean 0.02747
Std Dev 0.9689
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

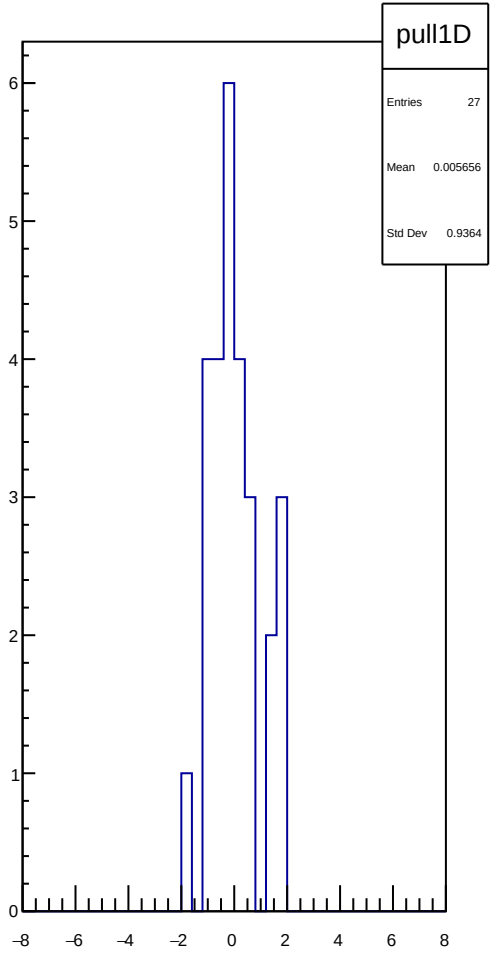

diff_bpm1X_rms vs run
χ² / ndf 8506 / 26
p0 1.717e+04 ± 24.08
22000
20000
18000
16000
14000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

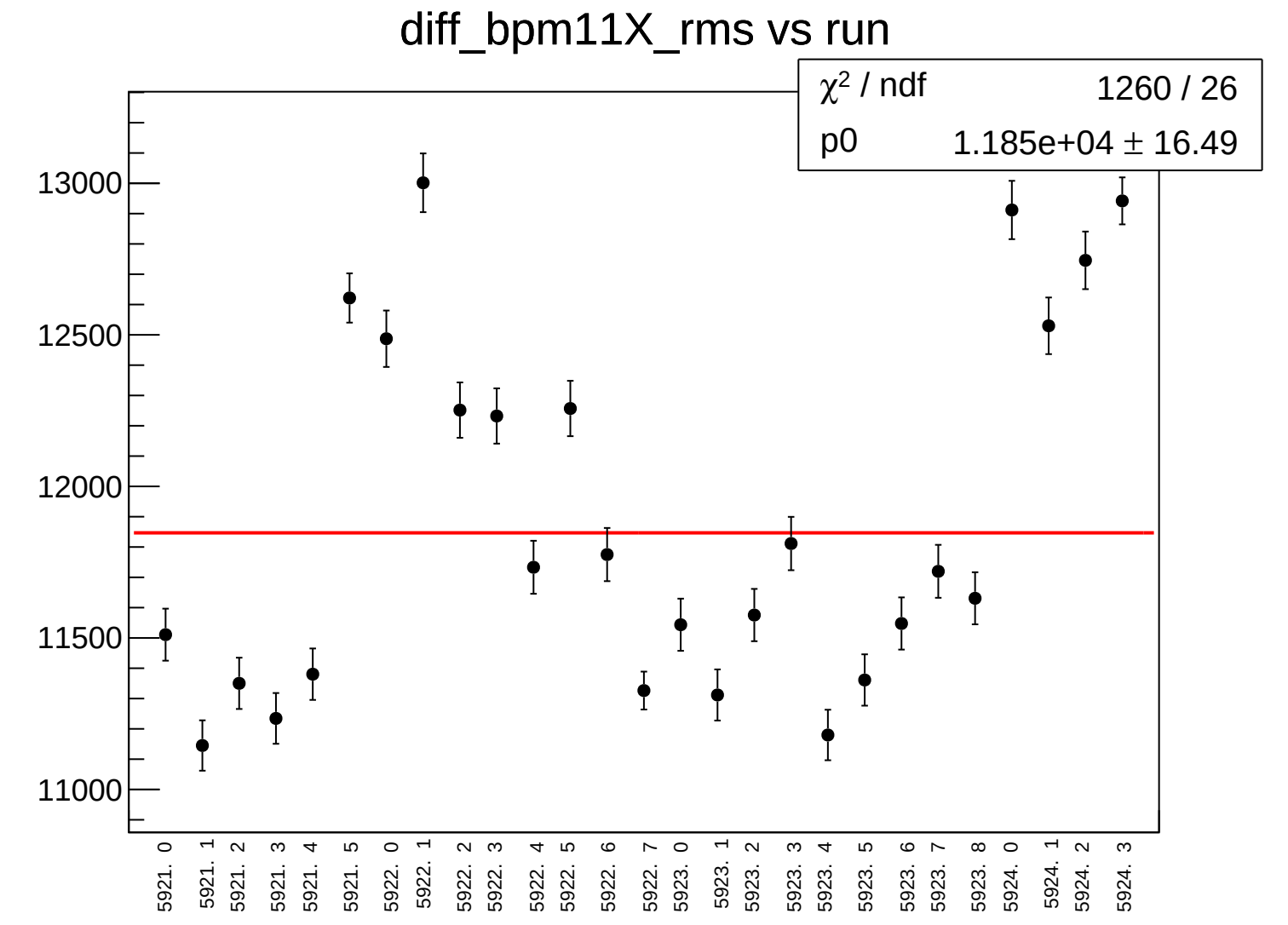

diff_bpm1Y_mean vs run
χ² / ndf 28.39 / 26
p0 −24.25 ± 23.67
pull
Entries 27
Mean 6.409
Std Dev 0

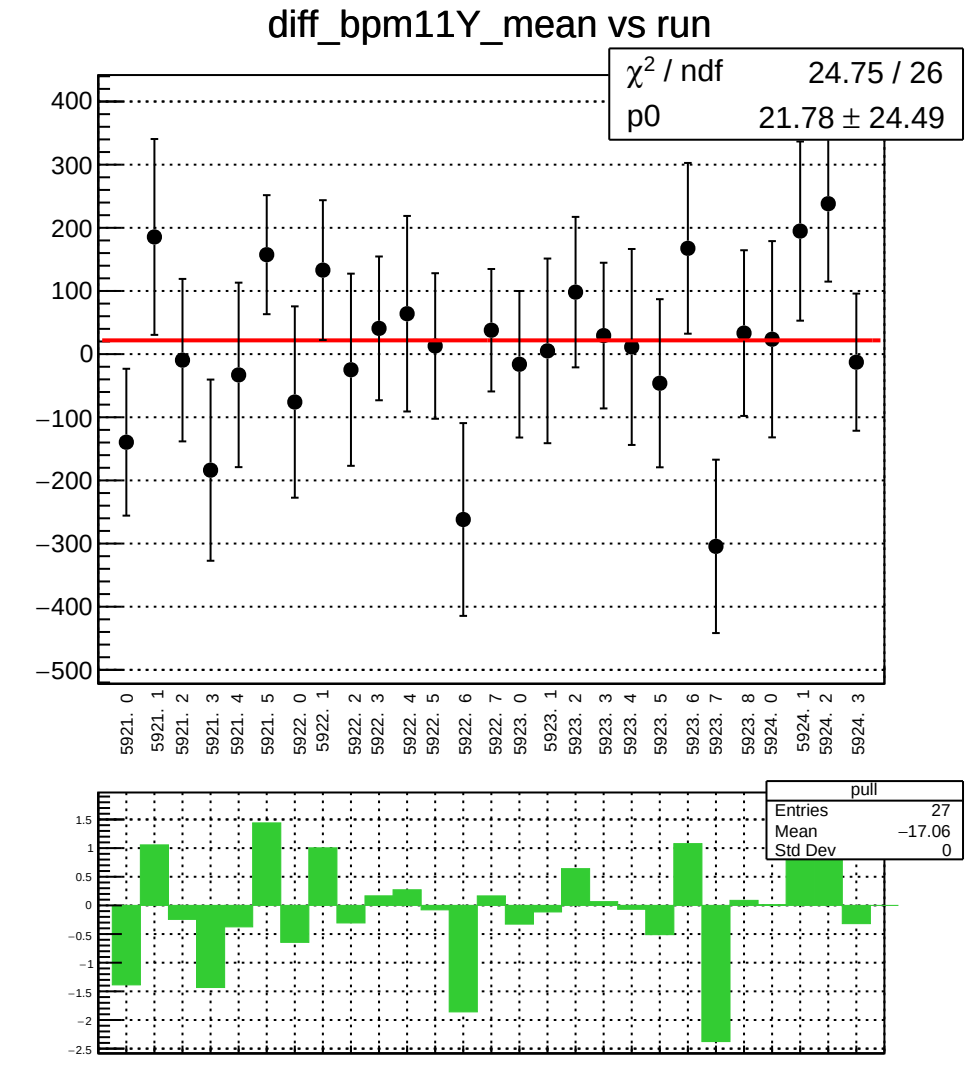

pull1D
Entries 27
Mean 0.04916
Std Dev 1.024

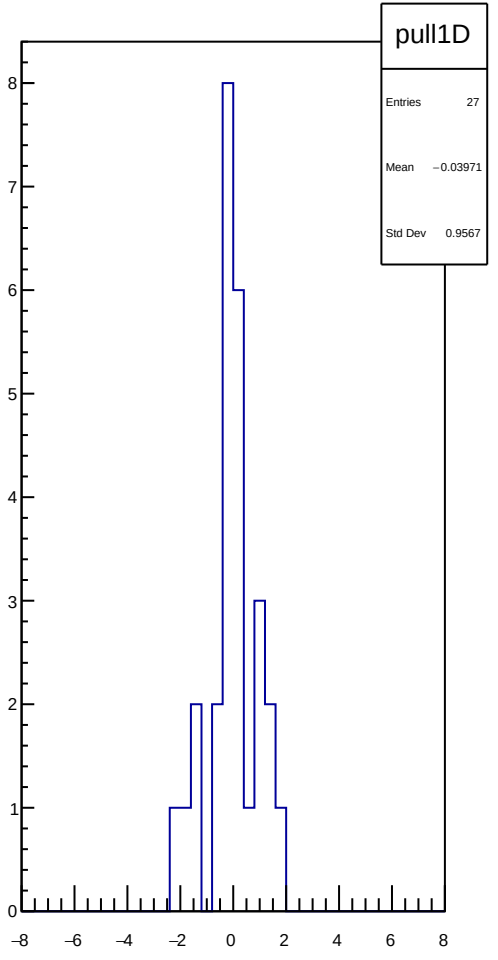

diff_bpm1Y_rms vs run
χ² / ndf 6331 / 26
p0 1.196e+04 ± 16.73
14000
13000
12000
11000
10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

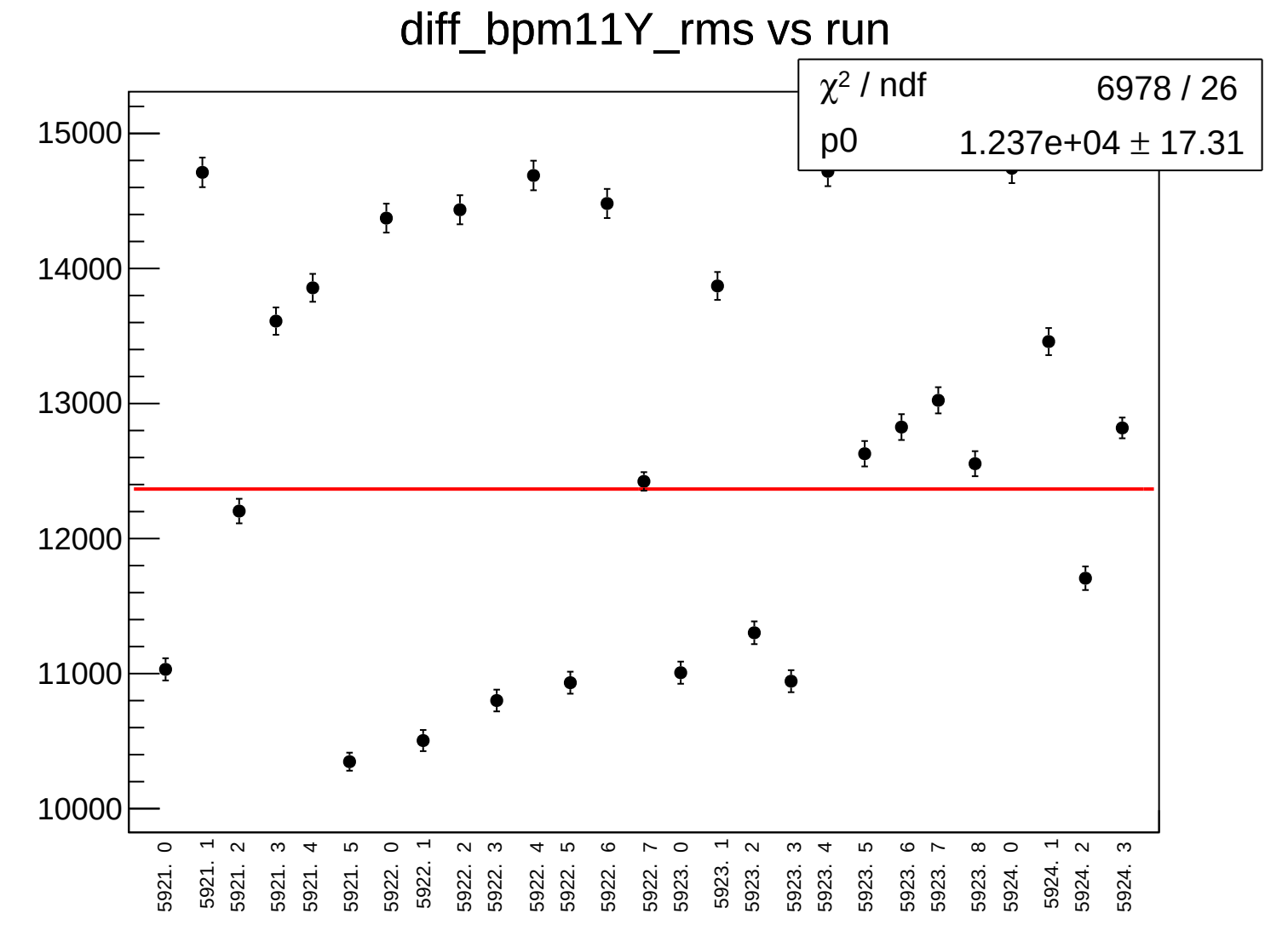

diff_bpm11X_mean vs run
χ² / ndf 23.68 / 26
p0 13.31 ± 23.33
pull
Entries 27
Mean −63.16
Std Dev 0

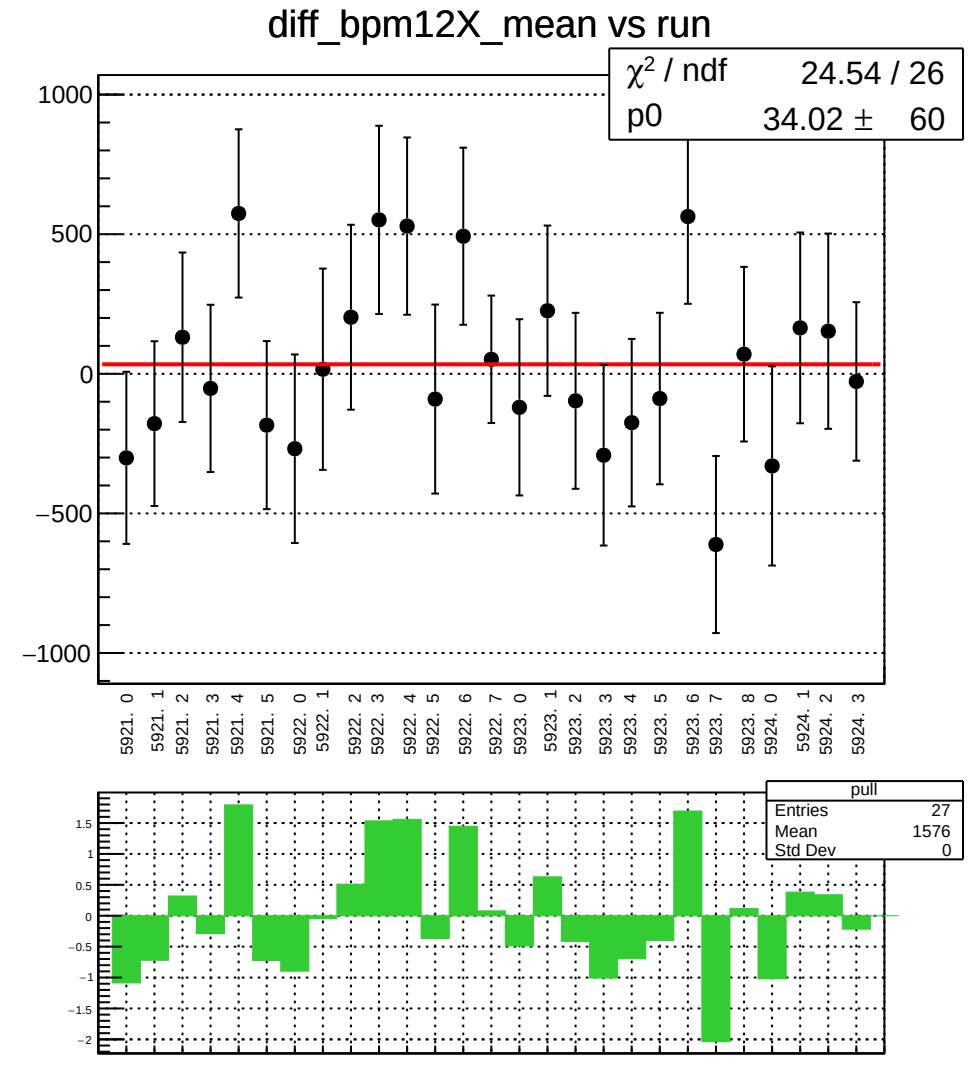

pull1D
Entries 27
Mean 0.005656
Std Dev 0.9364

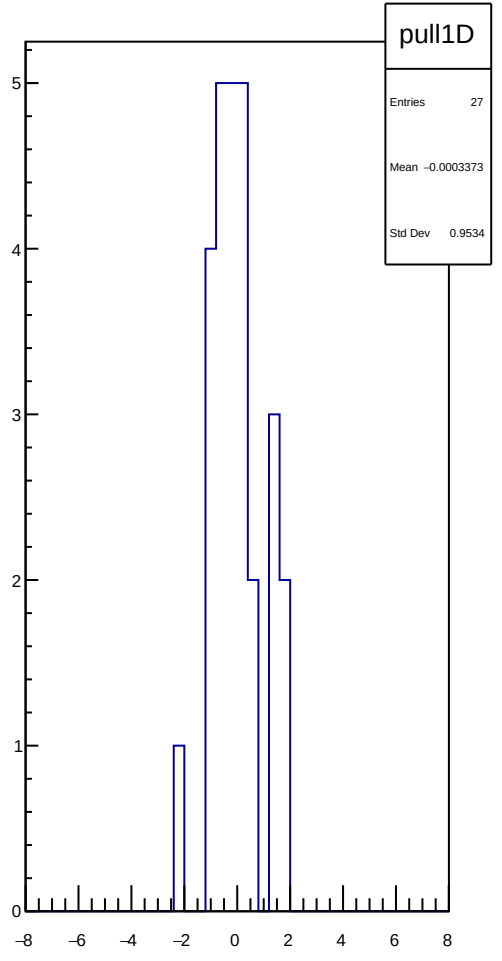

diff_bpm11X_rms vs run
χ² / ndf 1260 / 26
p0 1.185e+04 ± 16.49
13000
12500
12000
11500
11000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

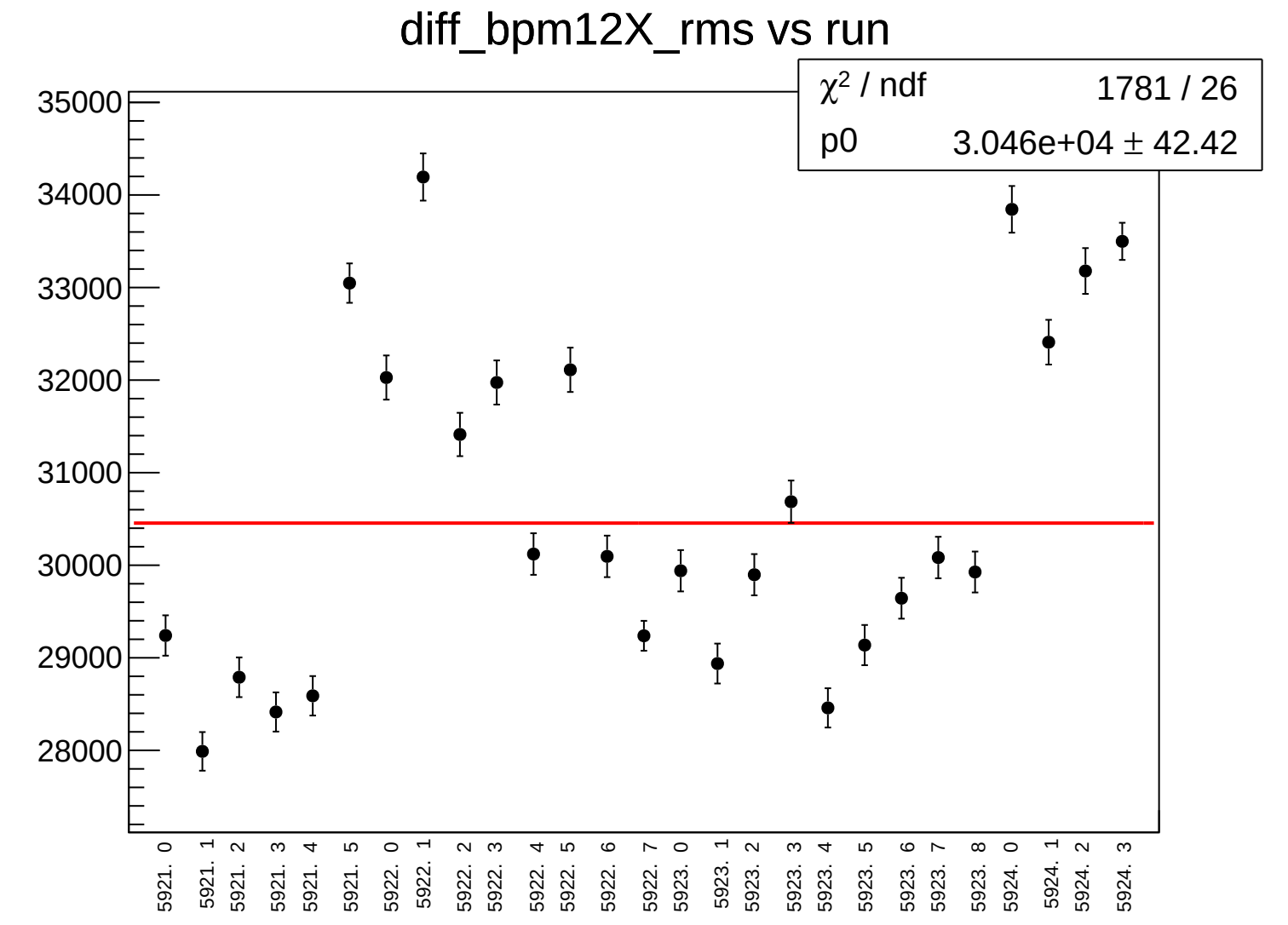

diff_bpm11Y_mean vs run
χ² / ndf 24.75 / 26
p0 21.78 ± 24.49
pull
Entries 27
Mean −17.06
Std Dev 0

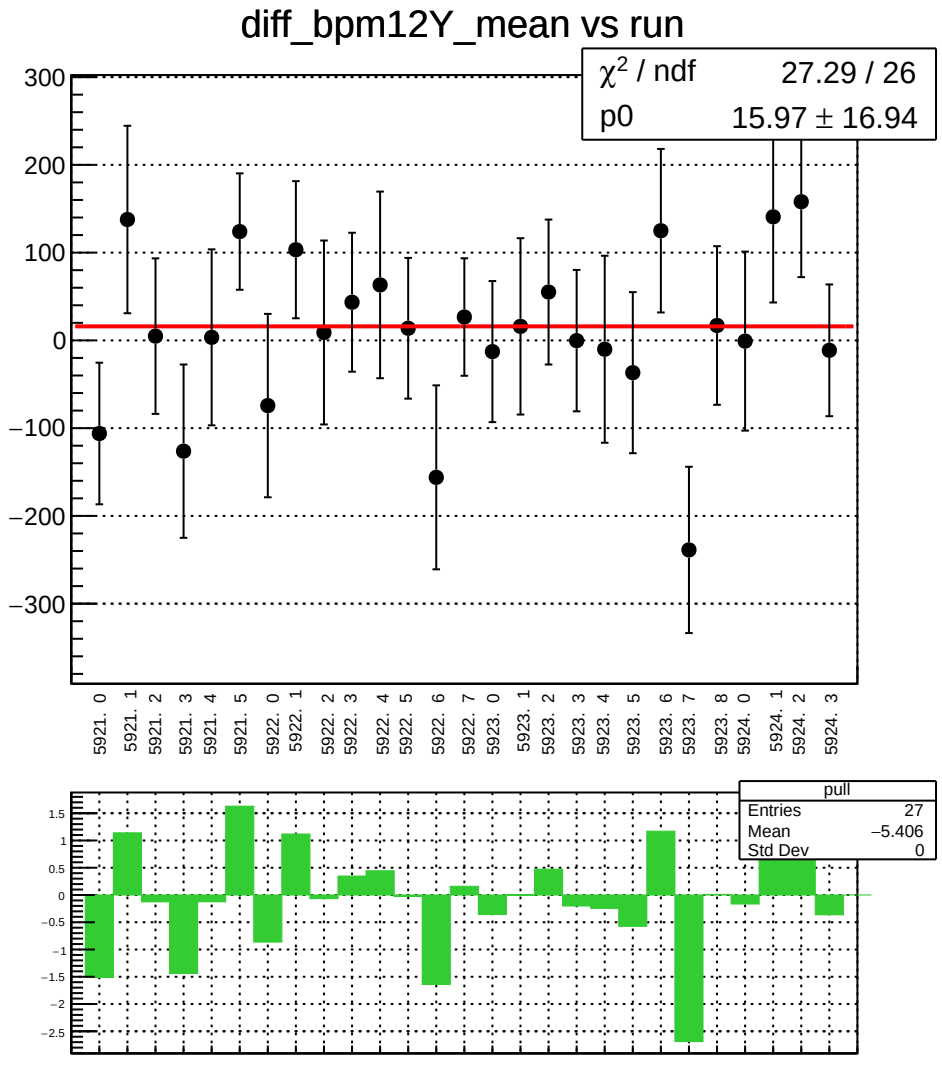

pull1D
Entries 27
Mean −0.03971
Std Dev 0.9567

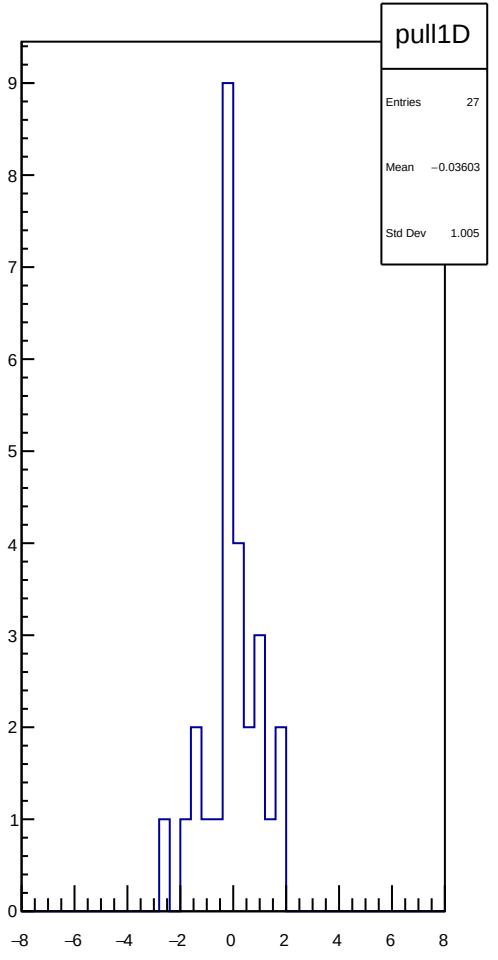

diff_bpm11Y_rms vs run
χ² / ndf 6978 / 26
p0 1.237e+04 ± 17.31
15000
14000
13000
12000
11000
10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

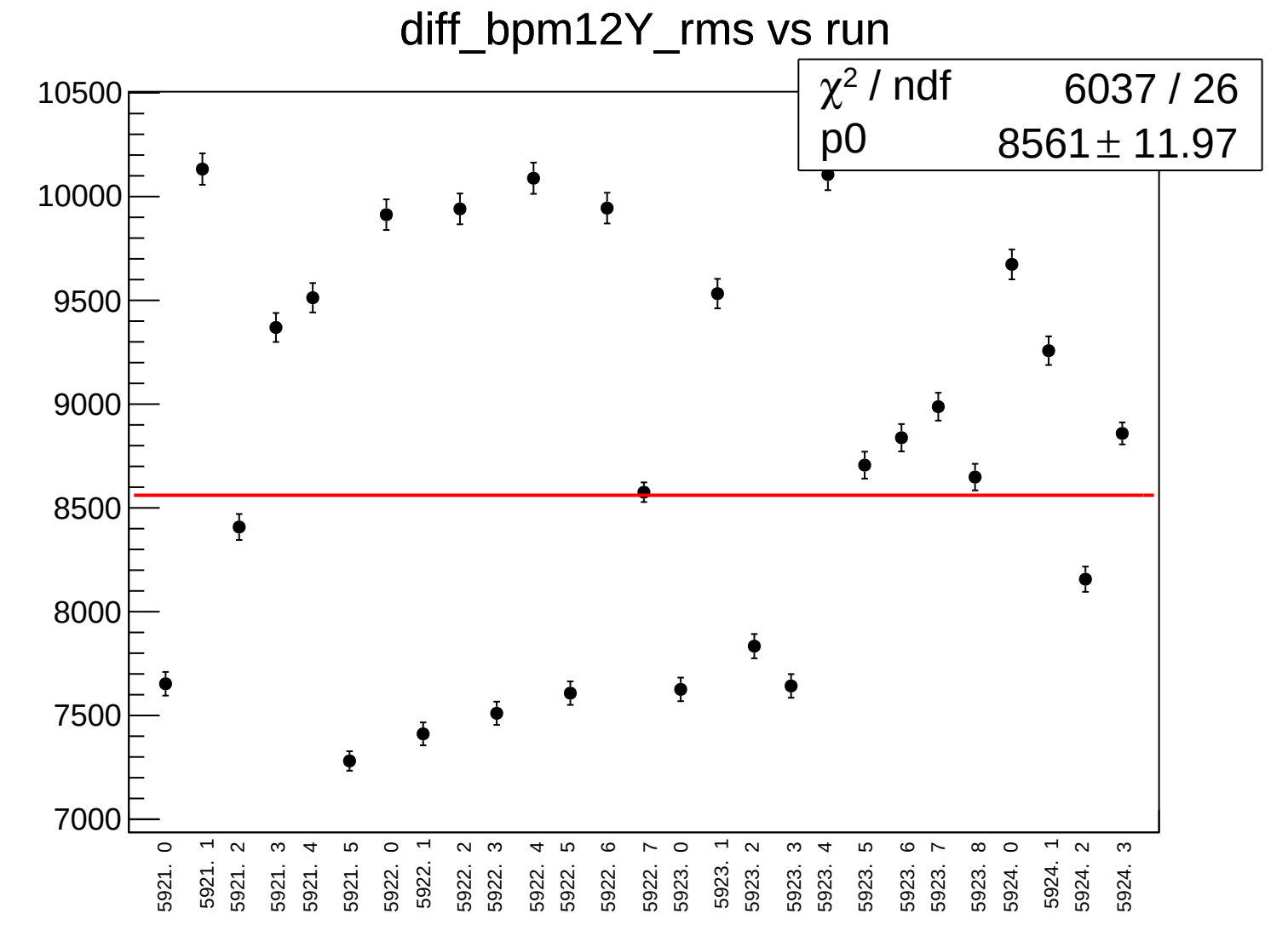

diff_bpm12X_mean vs run
χ² / ndf 24.54 / 26
p0 34.02 ± 60
1000
500
0
−500
−1000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 1576
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

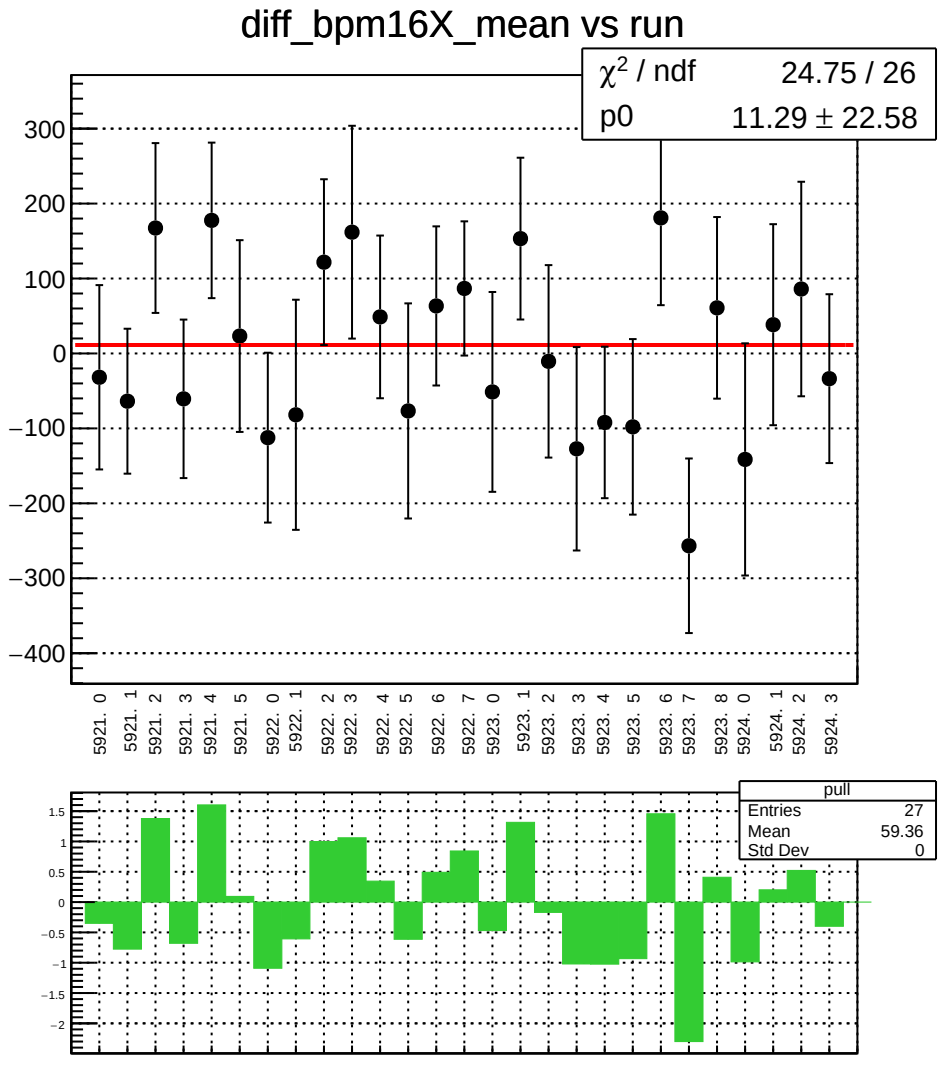

pull1D
Entries 27
Mean −0.0003373
Std Dev 0.9534
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

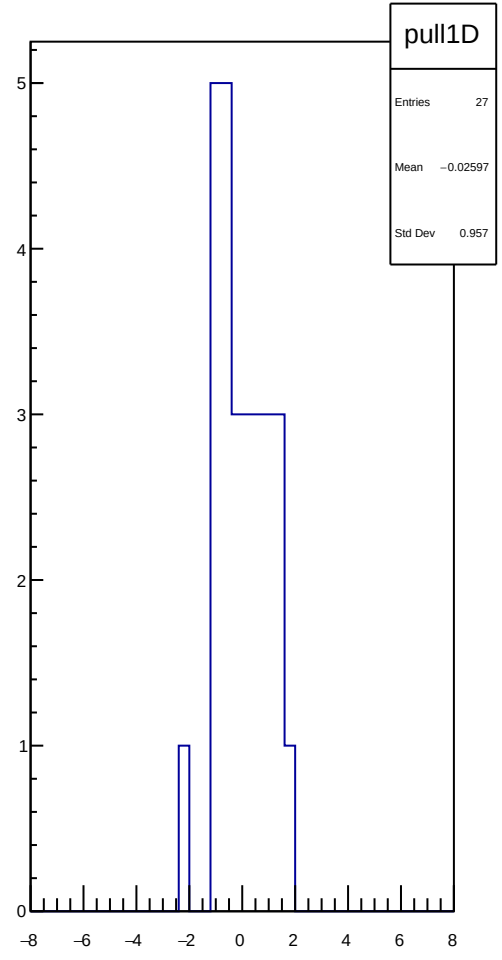

diff_bpm12X_rms vs run
χ² / ndf 1781 / 26
p0 3.046e+04 ± 42.42
35000
34000
33000
32000
31000
30000
29000
28000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

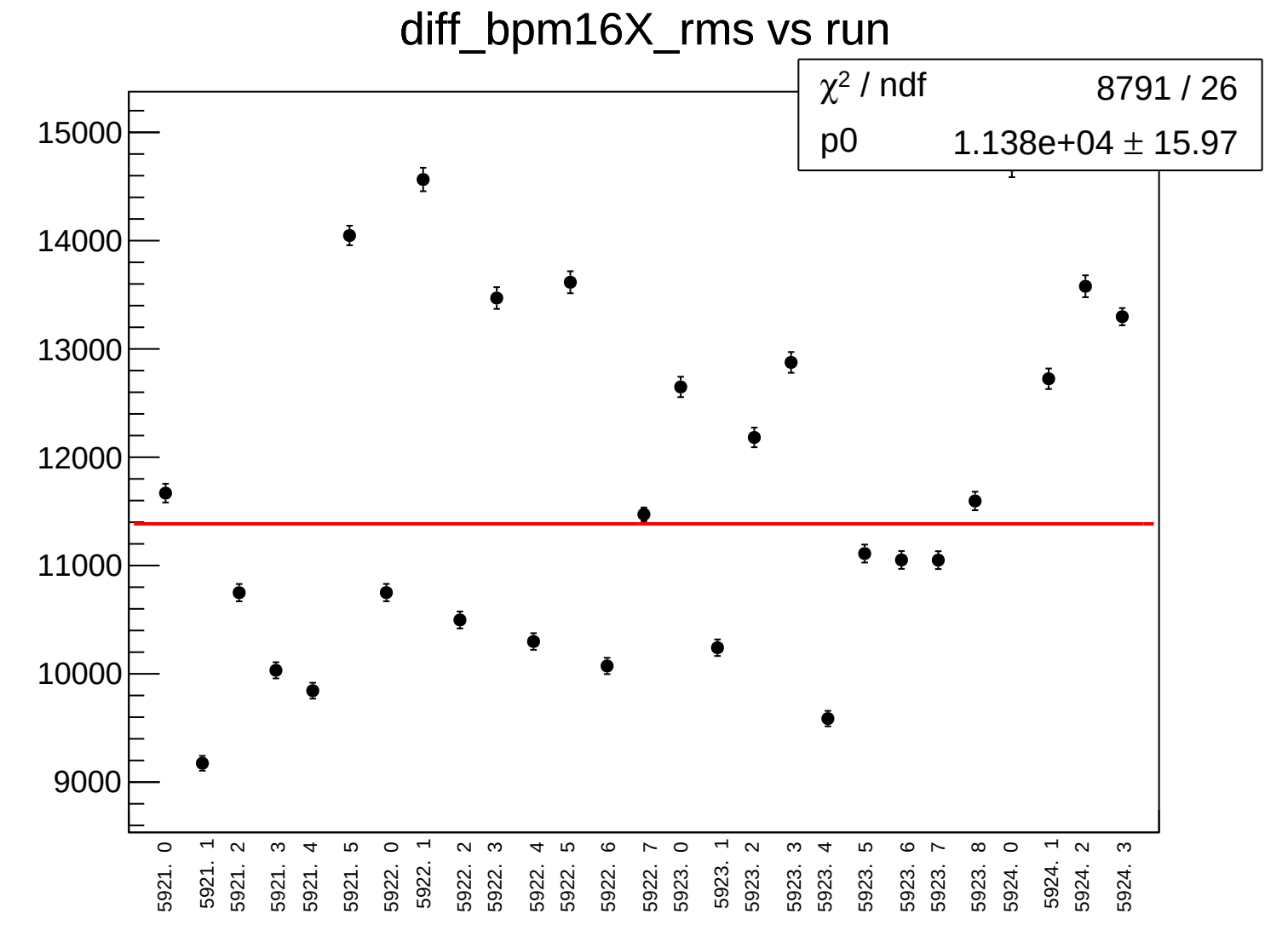

diff_bpm12Y_mean vs run
χ² / ndf 27.29 / 26
p0 15.97 ± 16.94
300
200
100
0
−100
−200
−300
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −5.406
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

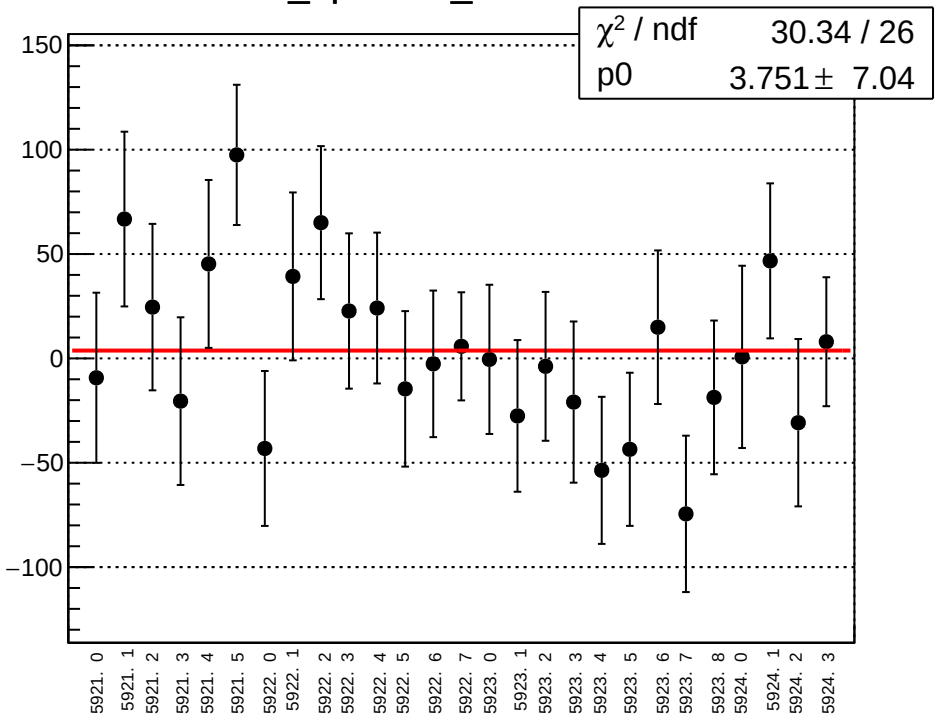

pull1D
Entries 27
Mean −0.03603
Std Dev 1.005
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

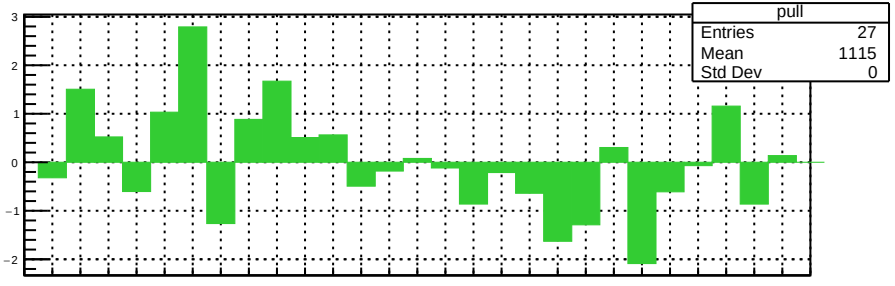

diff_bpm12Y_rms vs run
χ² / ndf 6037 / 26
p0 8561 ± 11.97
10500
10000
9500
9000
8500
8000
7500
7000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

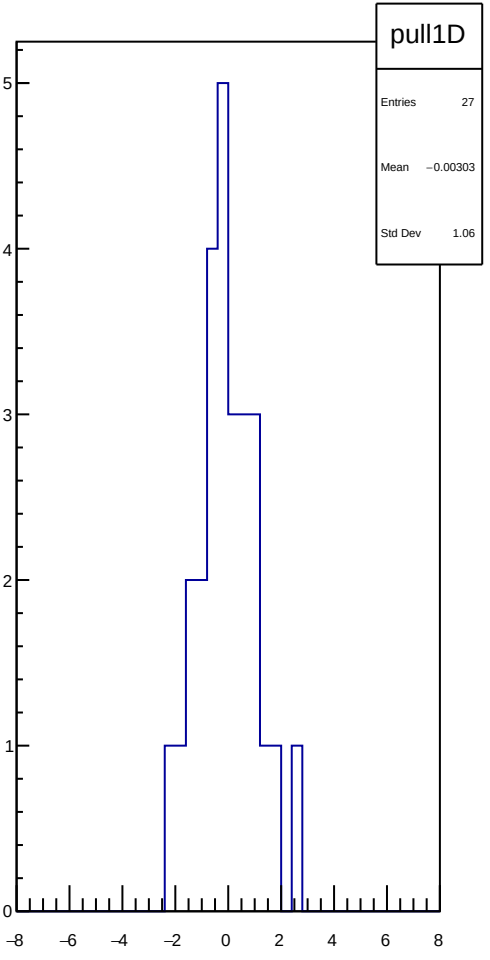

diff_bpm16X_mean vs run
χ² / ndf 24.75 / 26
p0 11.29 ± 22.58
300
200
100
0
−100
−200
−300
−400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 59.36
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

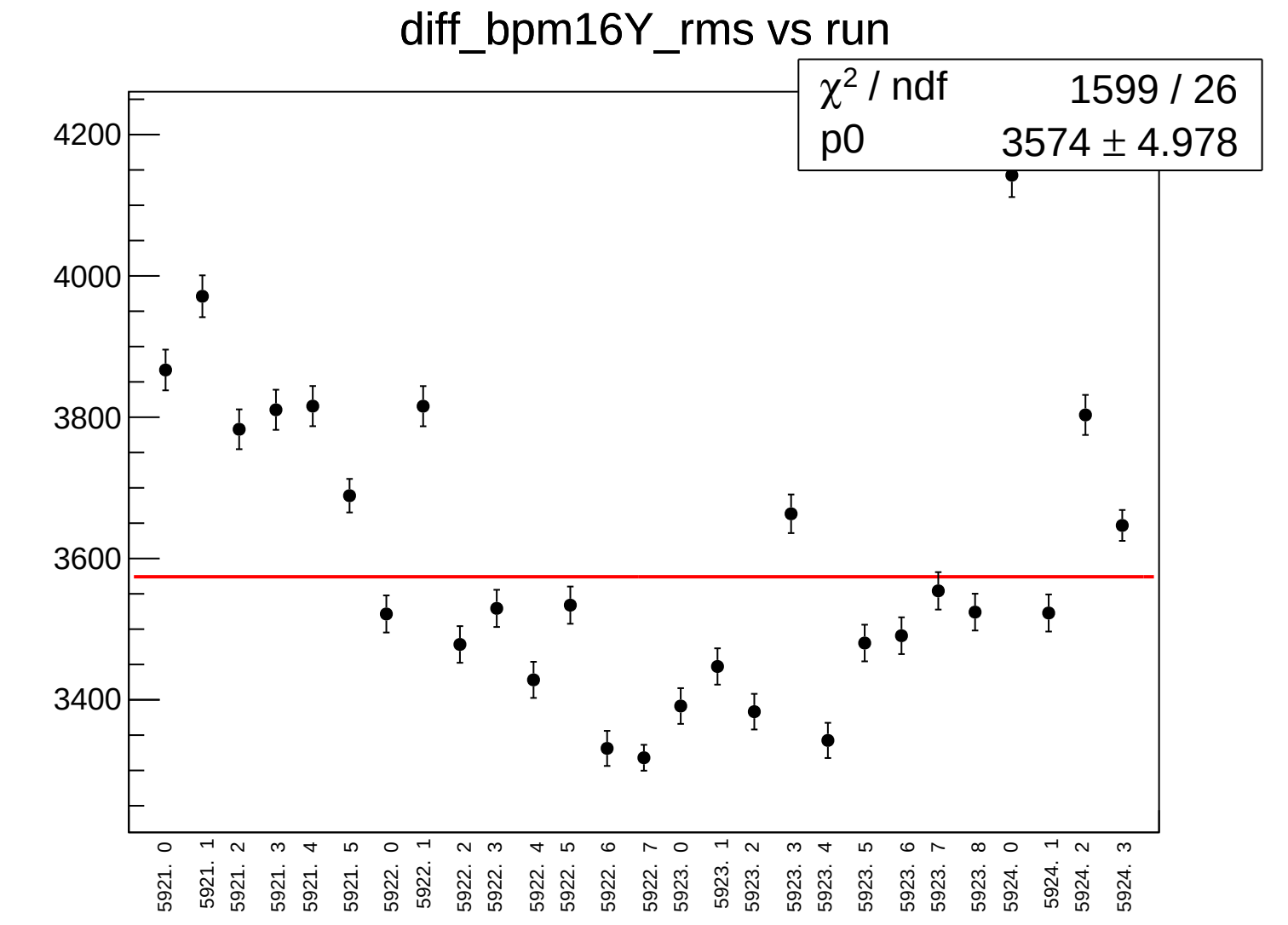

pull1D
Entries 27
Mean −0.02597
Std Dev 0.957
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

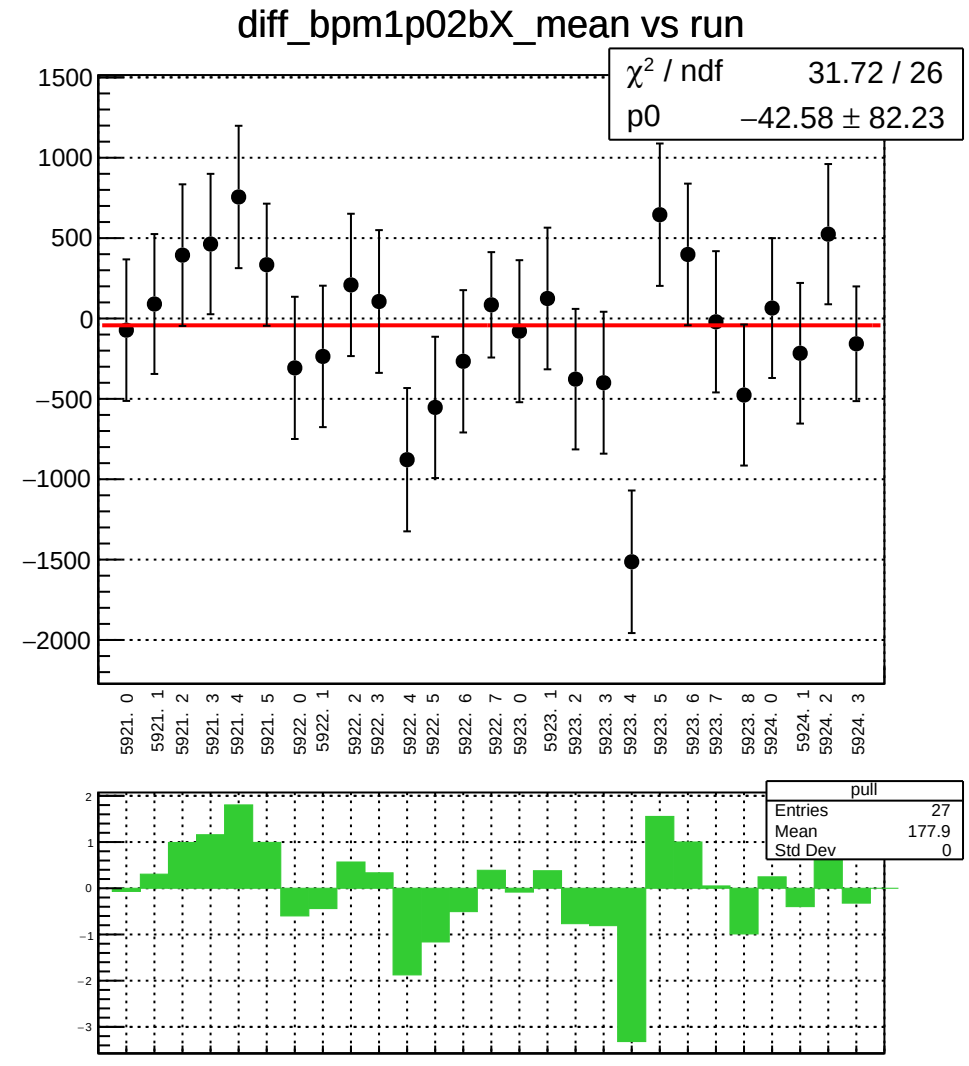

diff_bpm16X_rms vs run
χ² / ndf 8791 / 26
p0 1.138e+04 ± 15.97
15000
14000
13000
12000
11000
10000
9000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

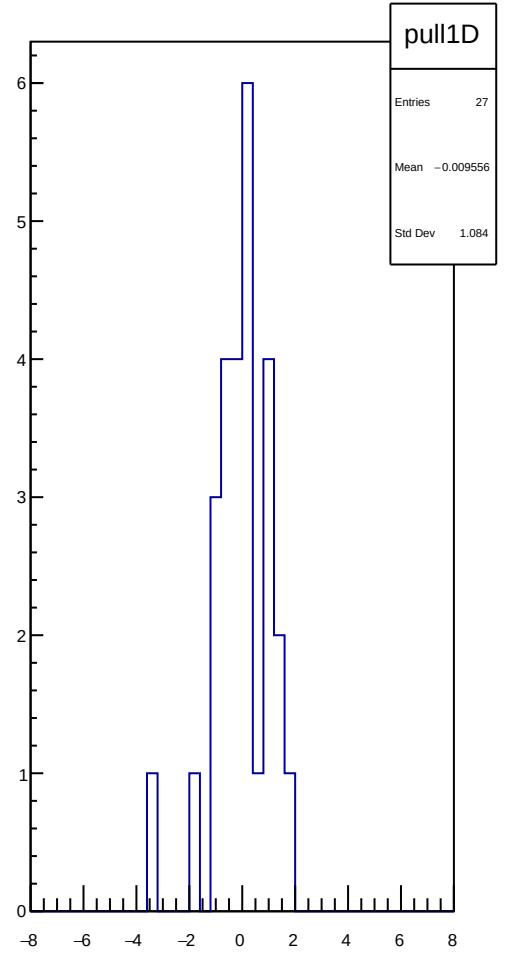

diff_bpm16Y_mean vs run
χ² / ndf 30.34 / 26
p0 3.751± 7.04
150
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

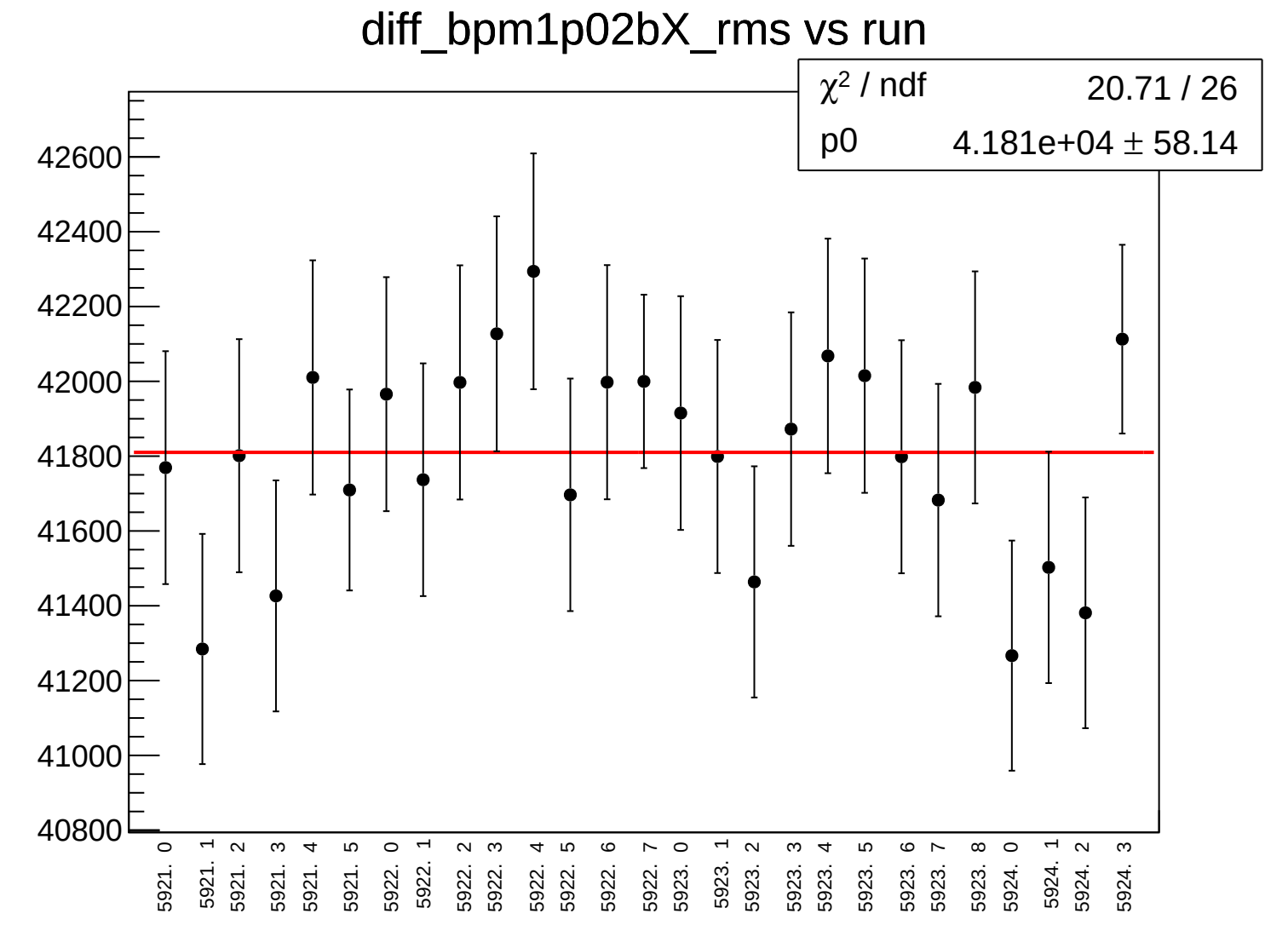

pull
Entries 27
Mean 1115
Std Dev 0
3
2
1
0
−1
−2

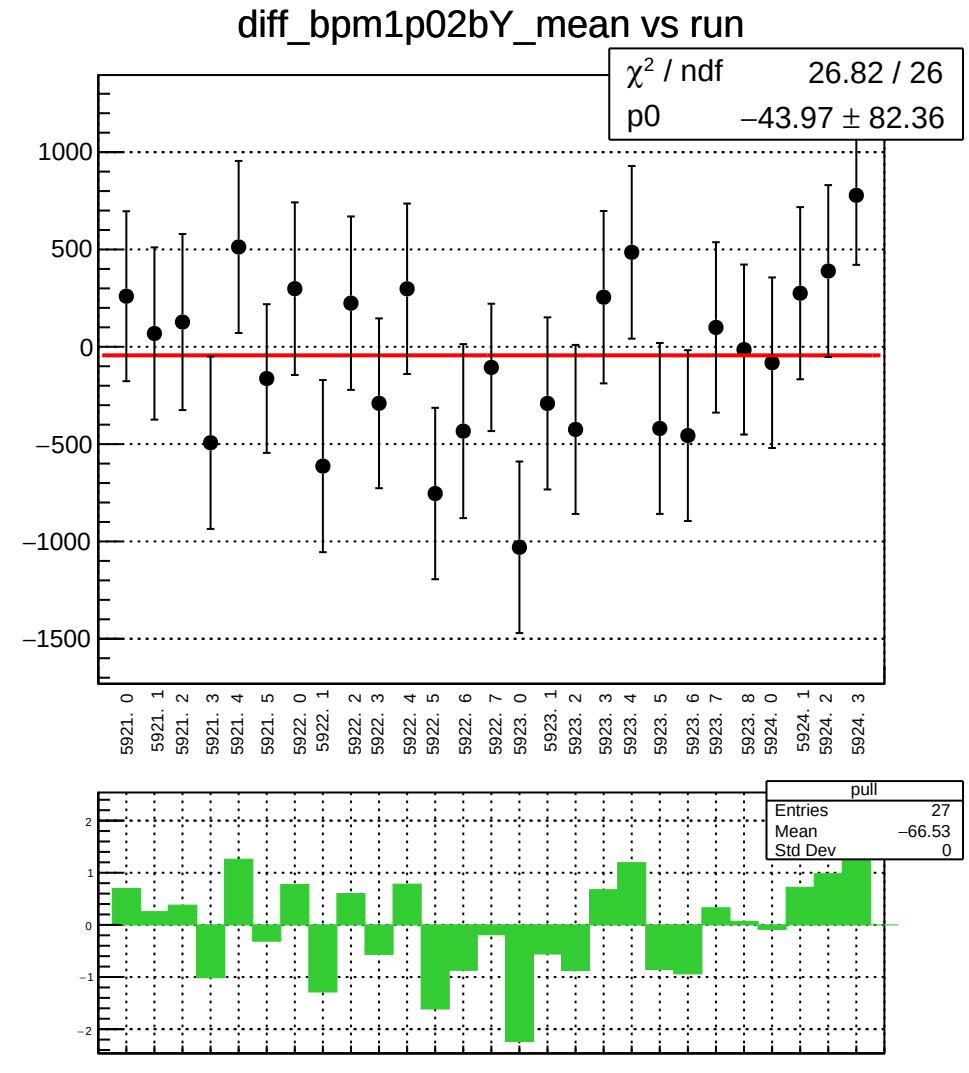

pull1D
Entries 27
Mean −0.00303
Std Dev 1.06
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

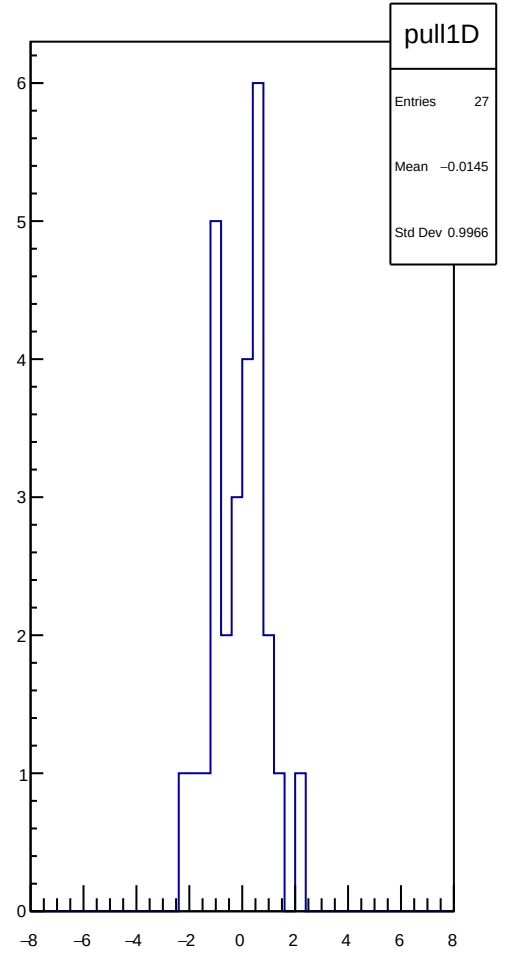

diff_bpm16Y_rms vs run
χ² / ndf 1599 / 26
p0 3574 ± 4.978
4200
4000
3800
3600
3400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

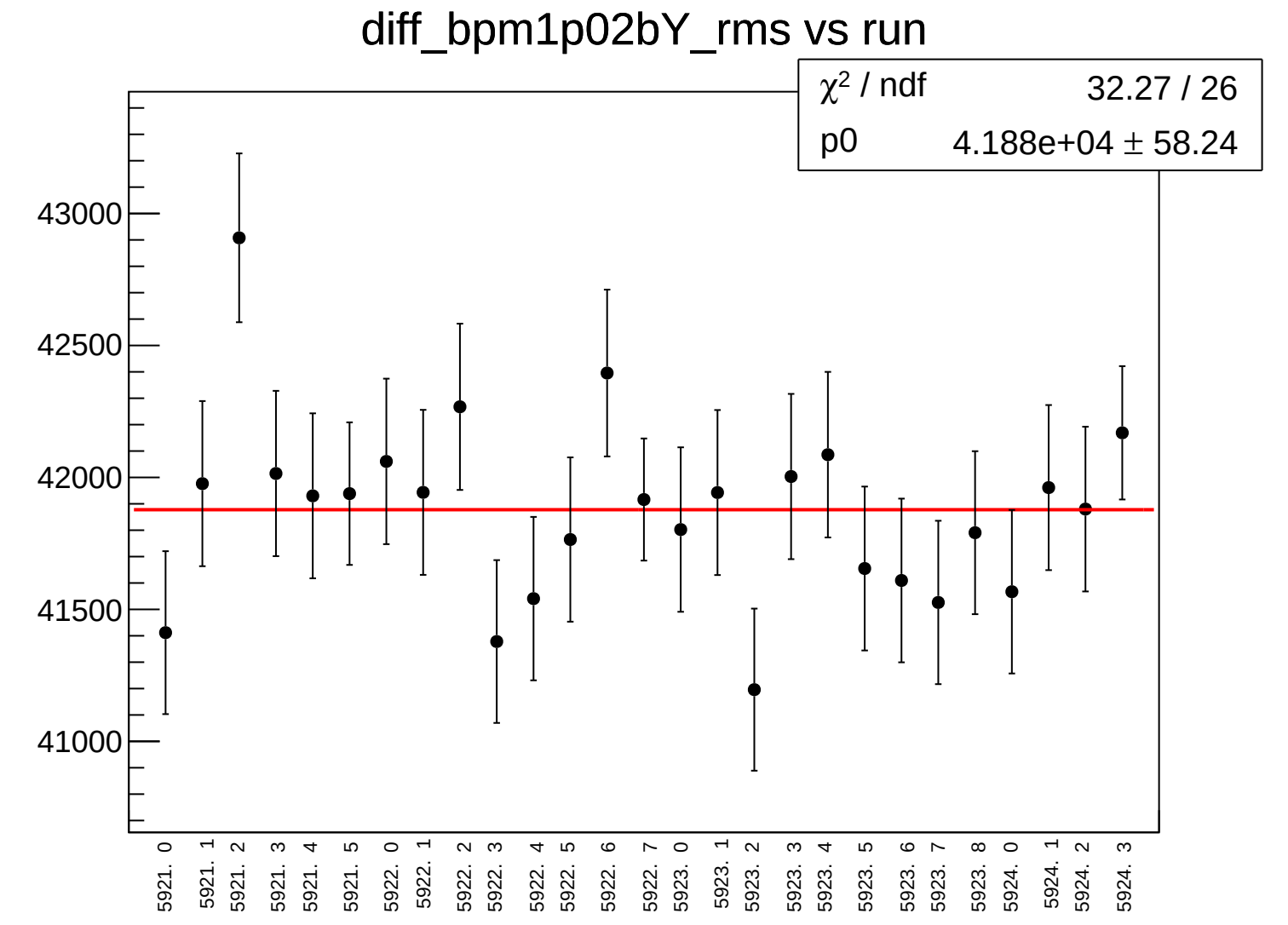

diff_bpm1p02bX_mean vs run
χ² / ndf 31.72 / 26
p0 −42.58 ± 82.23
1500
1000
500
0
−500
−1000
−1500
−2000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 177.9
Std Dev 0
2
1
0
−1
−2
−3

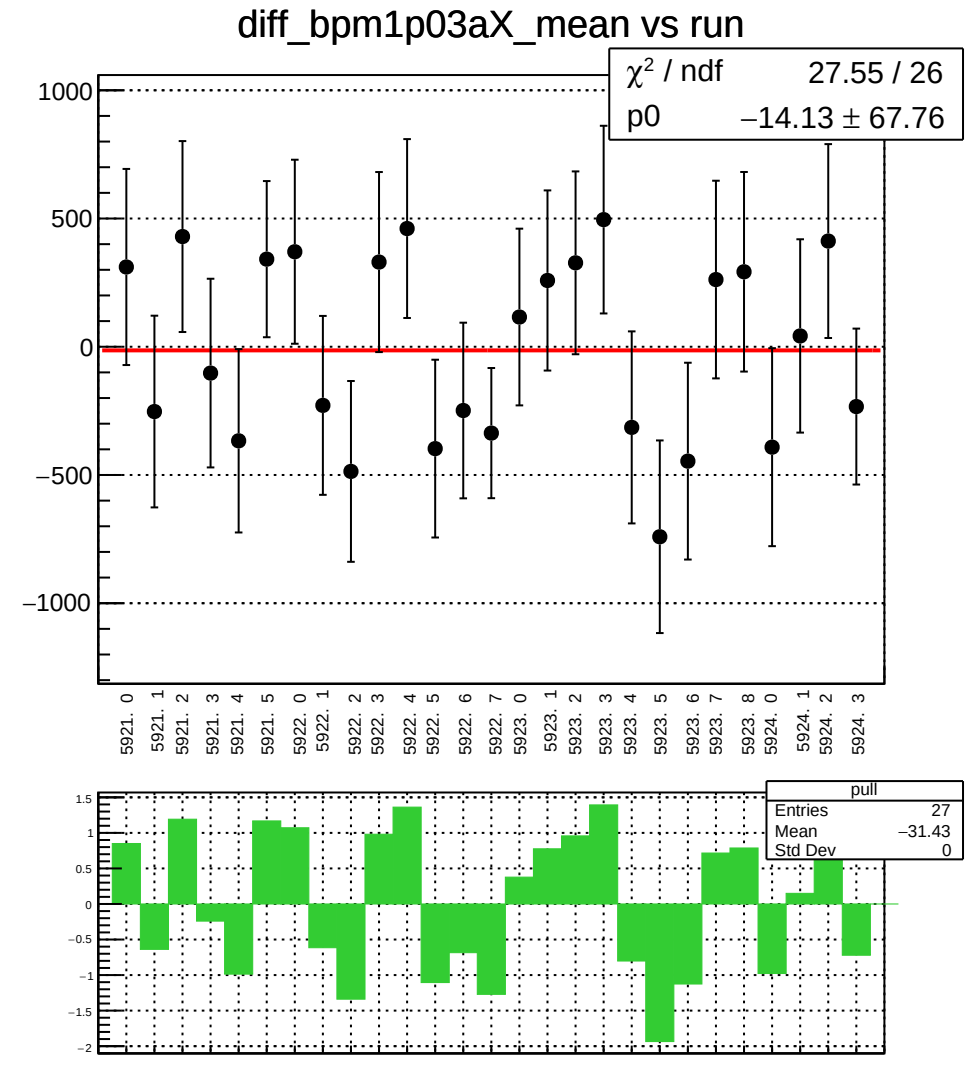

pull1D
Entries 27
Mean −0.009556
Std Dev 1.084
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

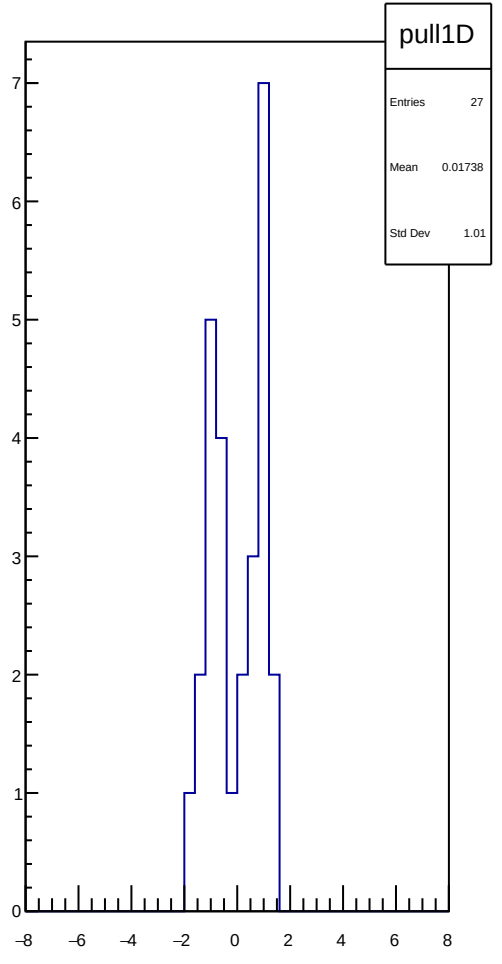

diff_bpm1p02bX_rms vs run
χ² / ndf 20.71 / 26
p0 4.181e+04 ± 58.14
42600
42400
42200
42000
41800
41600
41400
41200
41000
40800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

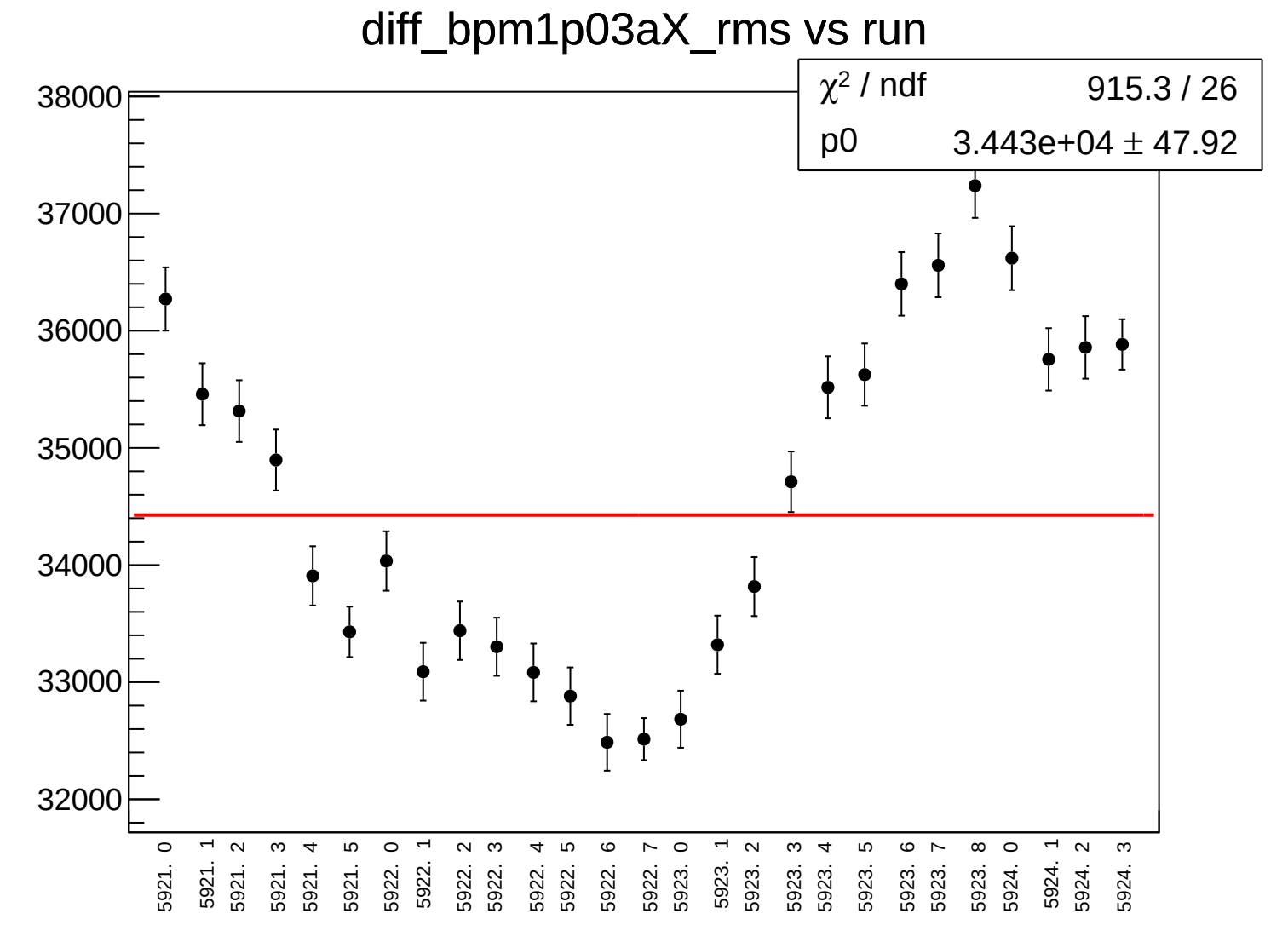

diff_bpm1p02bY_mean vs run
χ² / ndf 26.82 / 26
p0 −43.97 ± 82.36
1000
500
0
−500
−1000
−1500
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −66.53
Std Dev 0
2
1
0
−1
−2

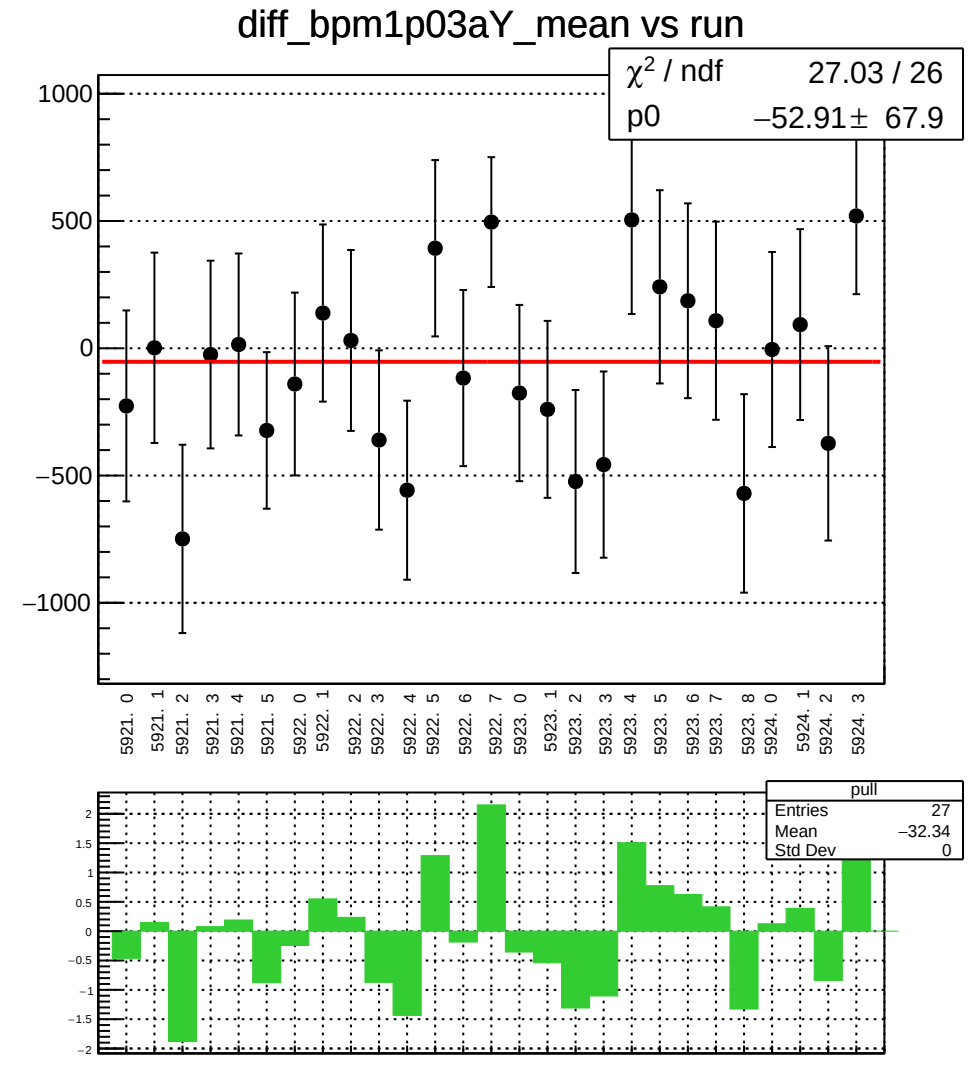

pull1D
Entries 27
Mean −0.0145
Std Dev 0.9966
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

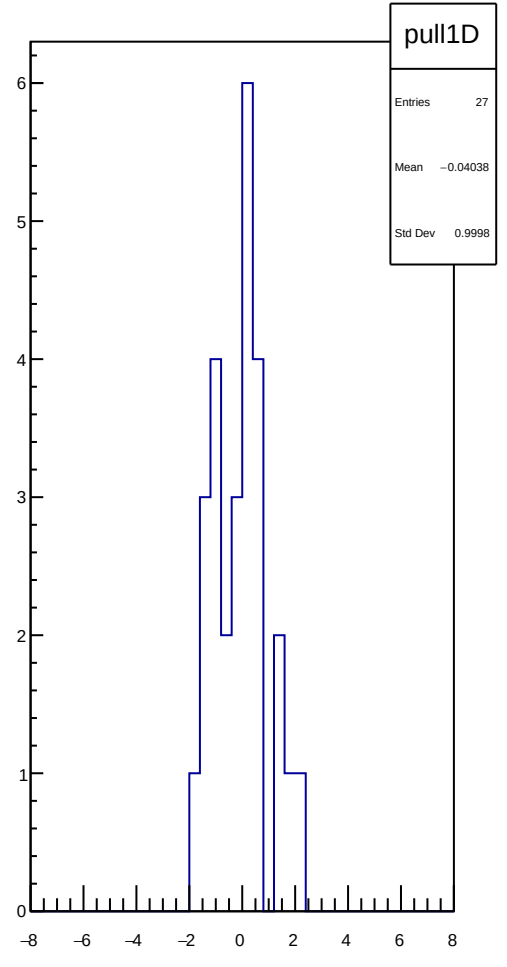

diff_bpm1p02bY_rms vs run
χ² / ndf 32.27 / 26
p0 4.188e+04 ± 58.24
43000
42500
42000
41500
41000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

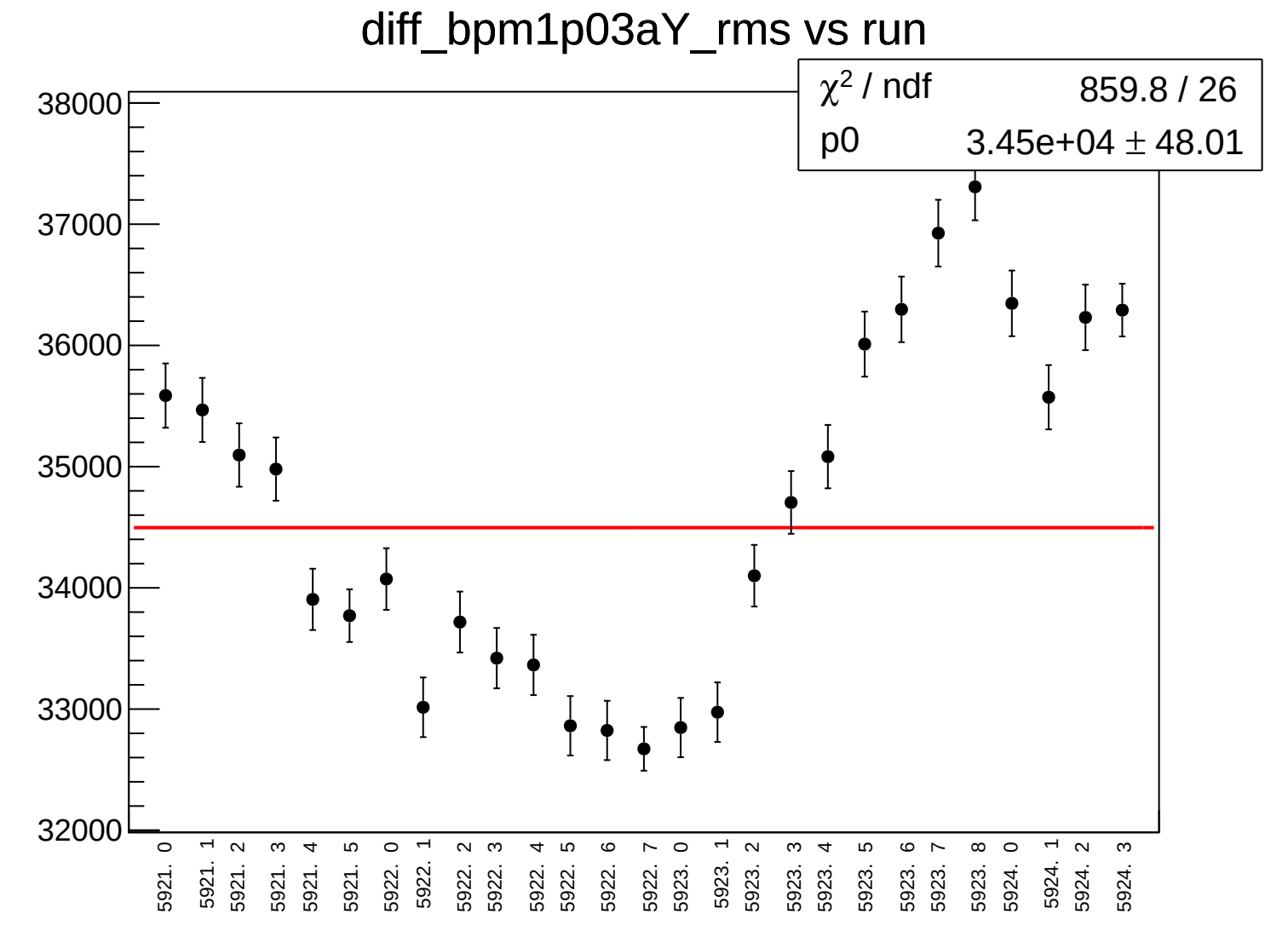

diff_bpm1p03aX_mean vs run
χ² / ndf 27.55 / 26
p0 −14.13 ± 67.76
1000
500
0
−500
−1000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −31.43
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

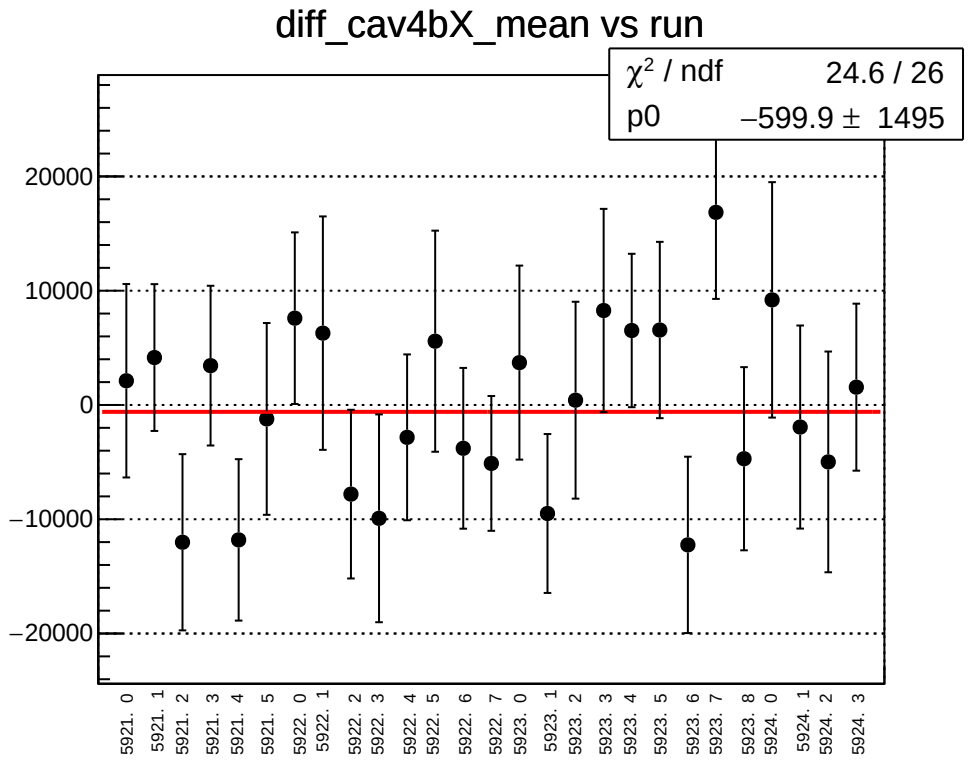

pull1D
Entries 27
Mean 0.01738
Std Dev 1.01
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

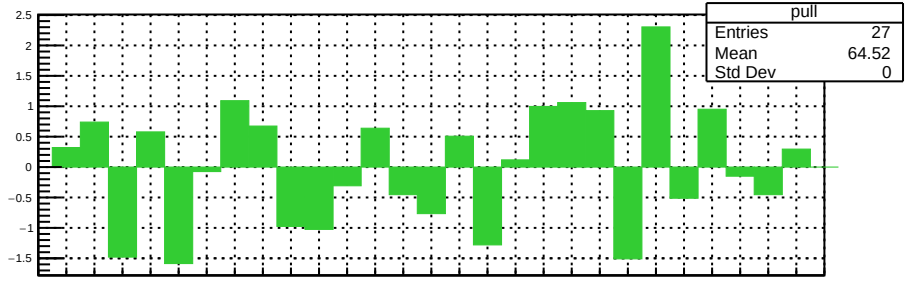

diff_bpm1p03aX_rms vs run
χ² / ndf 915.3 / 26
p0 3.443e+04 ± 47.92
38000
37000
36000
35000
34000
33000
32000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

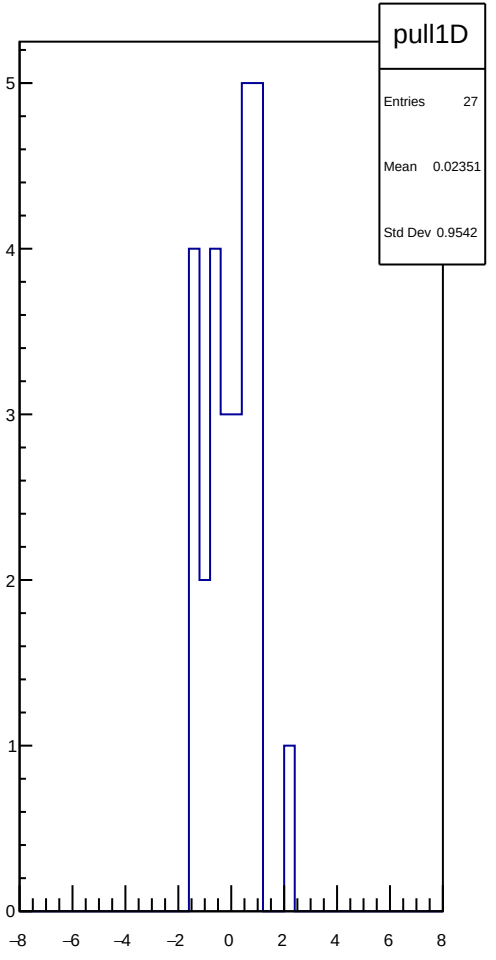

diff_bpm1p03aY_mean vs run
χ² / ndf 27.03 / 26
p0 −52.91 ± 67.9
1000
500
0
−500
−1000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −32.34
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

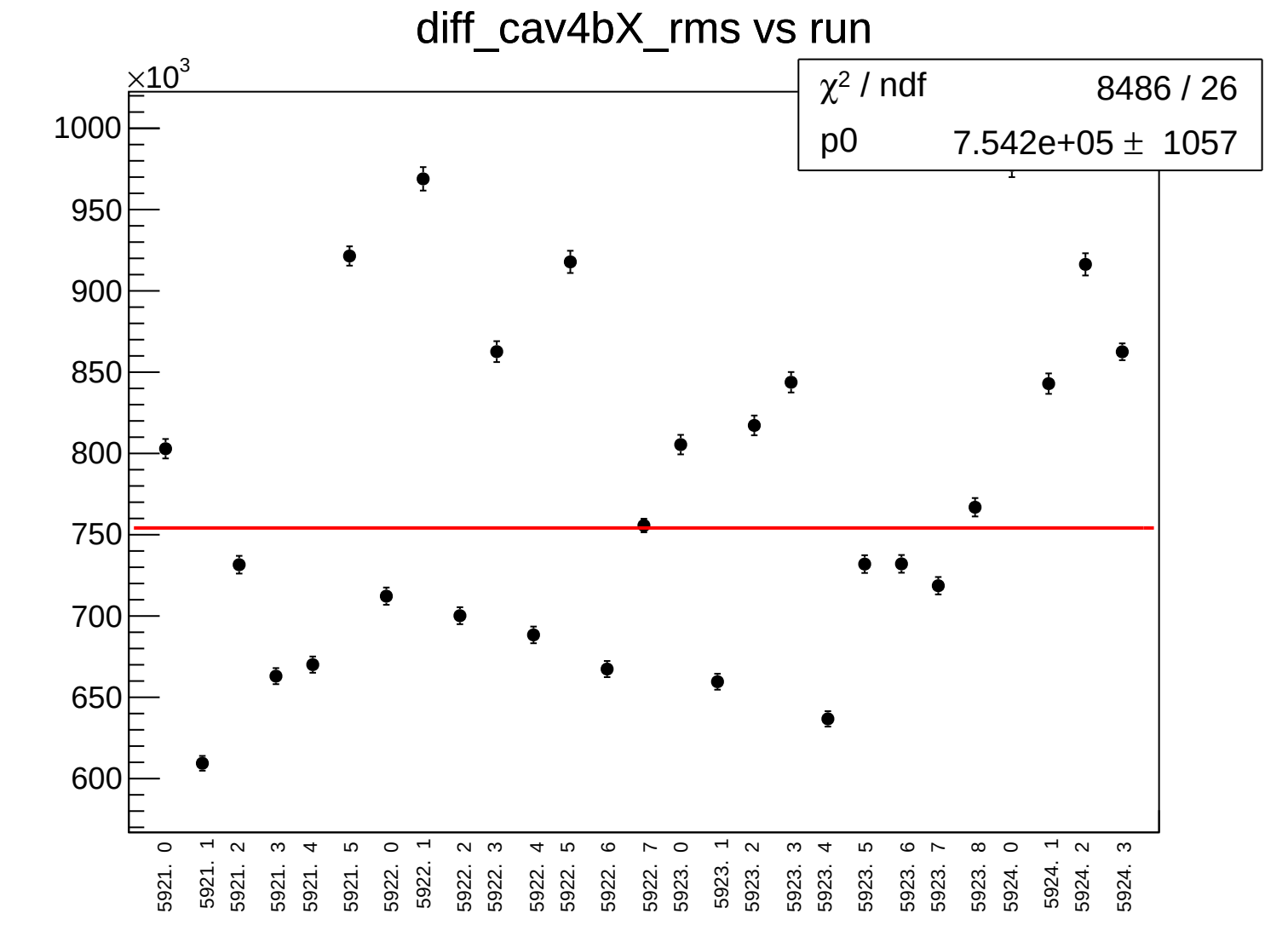

pull1D
Entries 27
Mean −0.04038
Std Dev 0.9998
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

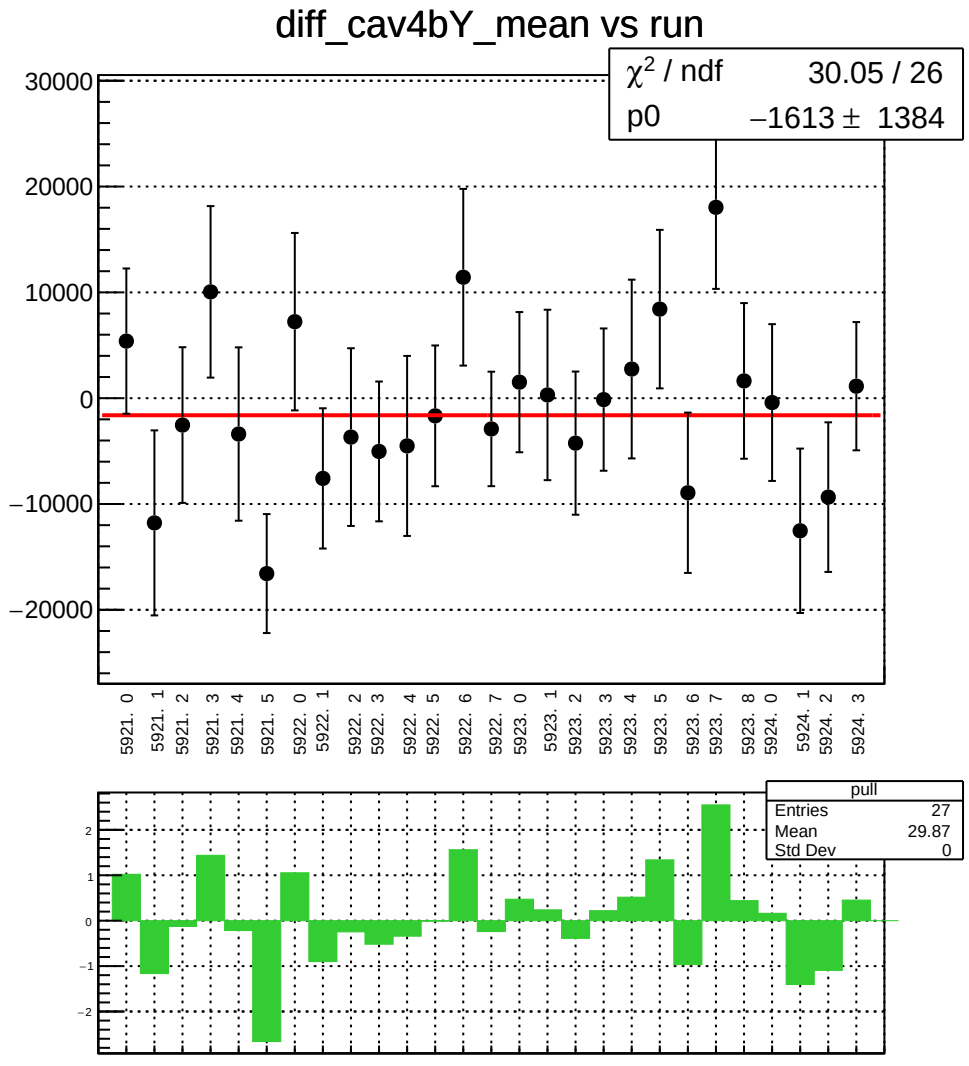

diff_bpm1p03aY_rms vs run
χ² / ndf 859.8 / 26
p0 3.45e+04 ± 48.01
38000
37000
36000
35000
34000
33000
32000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

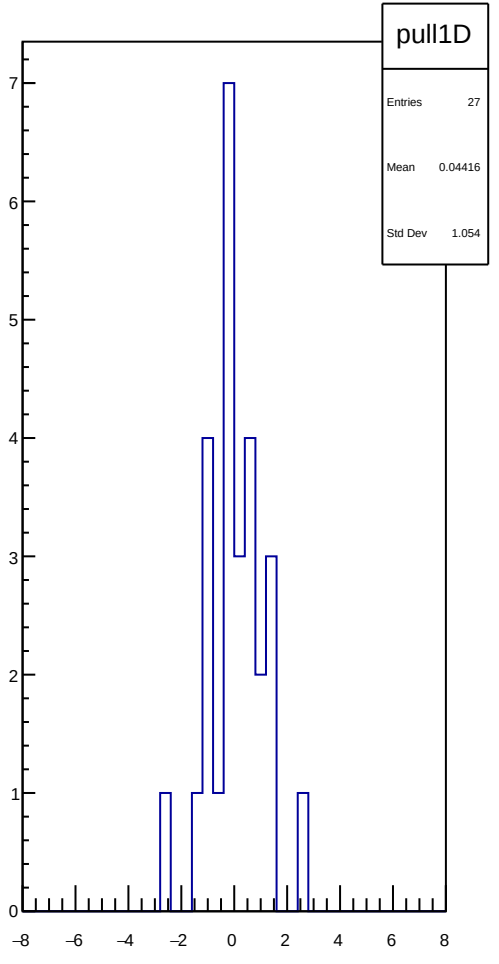

diff_cav4bX_mean vs run
χ² / ndf 24.6 / 26
p0 −599.9 ± 1495
20000
10000
0
−10000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

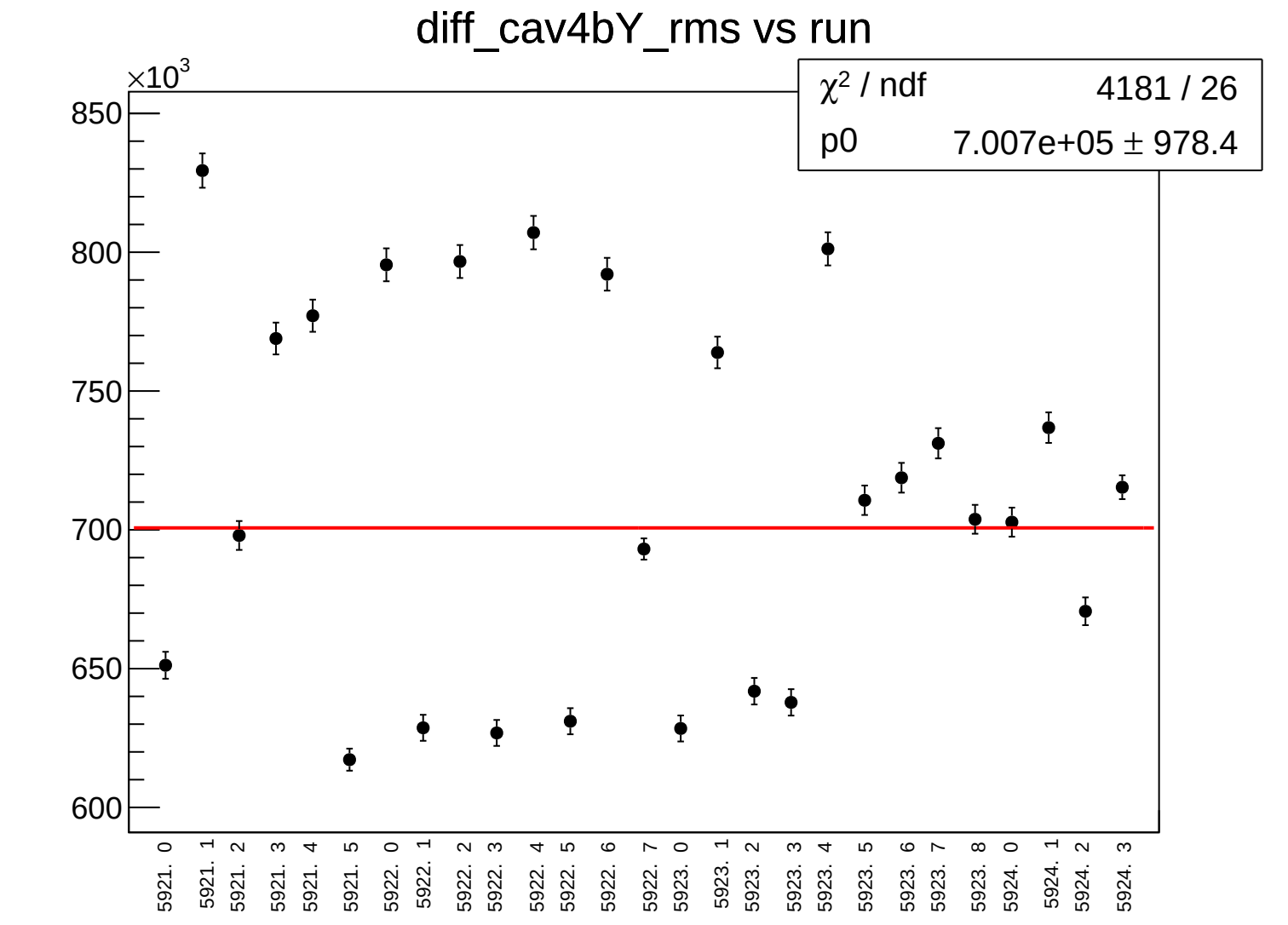

pull
Entries 27
Mean 64.52
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

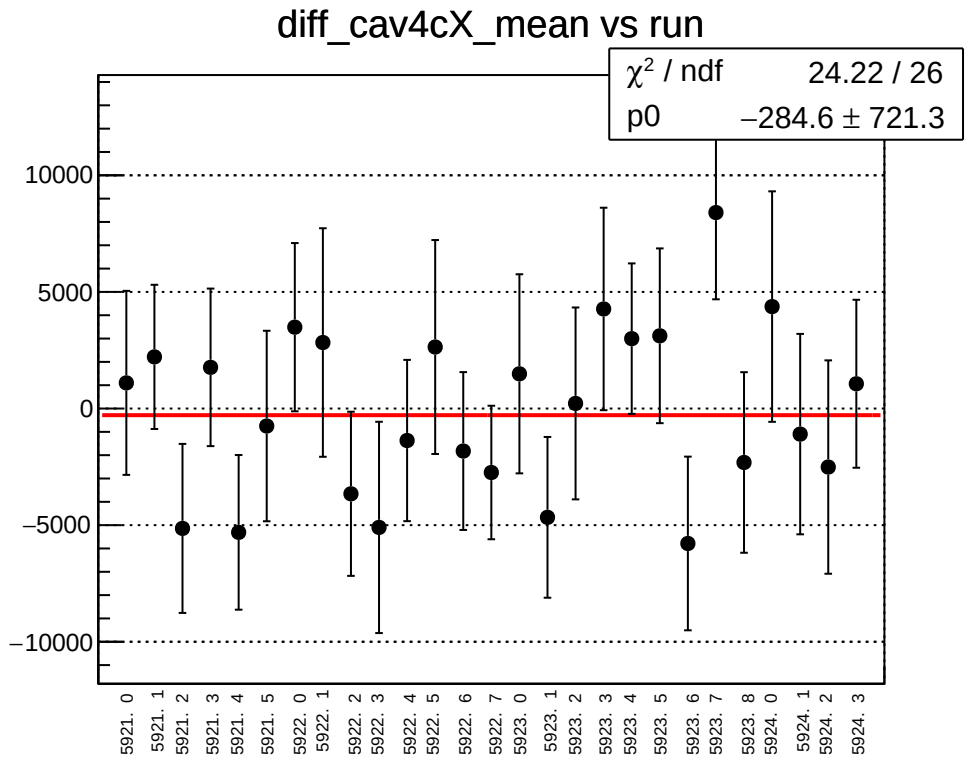

pull1D
Entries 27
Mean 0.02351
Std Dev 0.9542
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

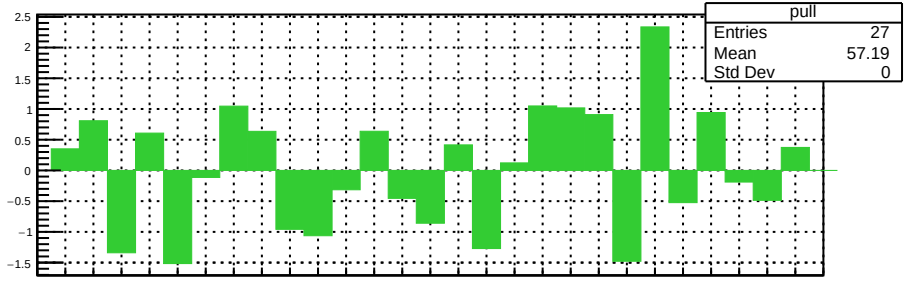

diff_cav4bX_rms vs run
×10^3
χ² / ndf 8486 / 26
p0 7.542e+05 ± 1057
1000
950
900
850
800
750
700
650
600
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

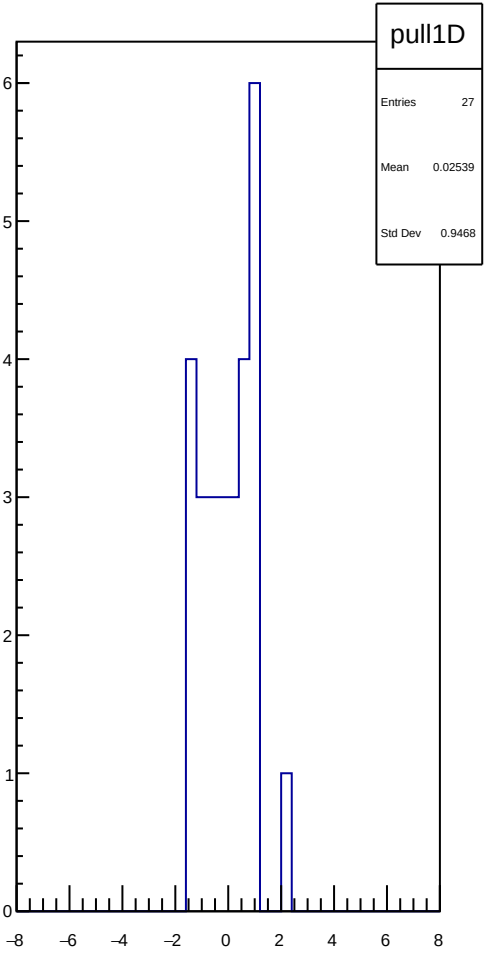

diff_cav4bY_mean vs run
χ² / ndf 30.05 / 26
p0 −1613 ± 1384
30000
20000
10000
0
−10000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 29.87
Std Dev 0
2
1
0
−1
−2

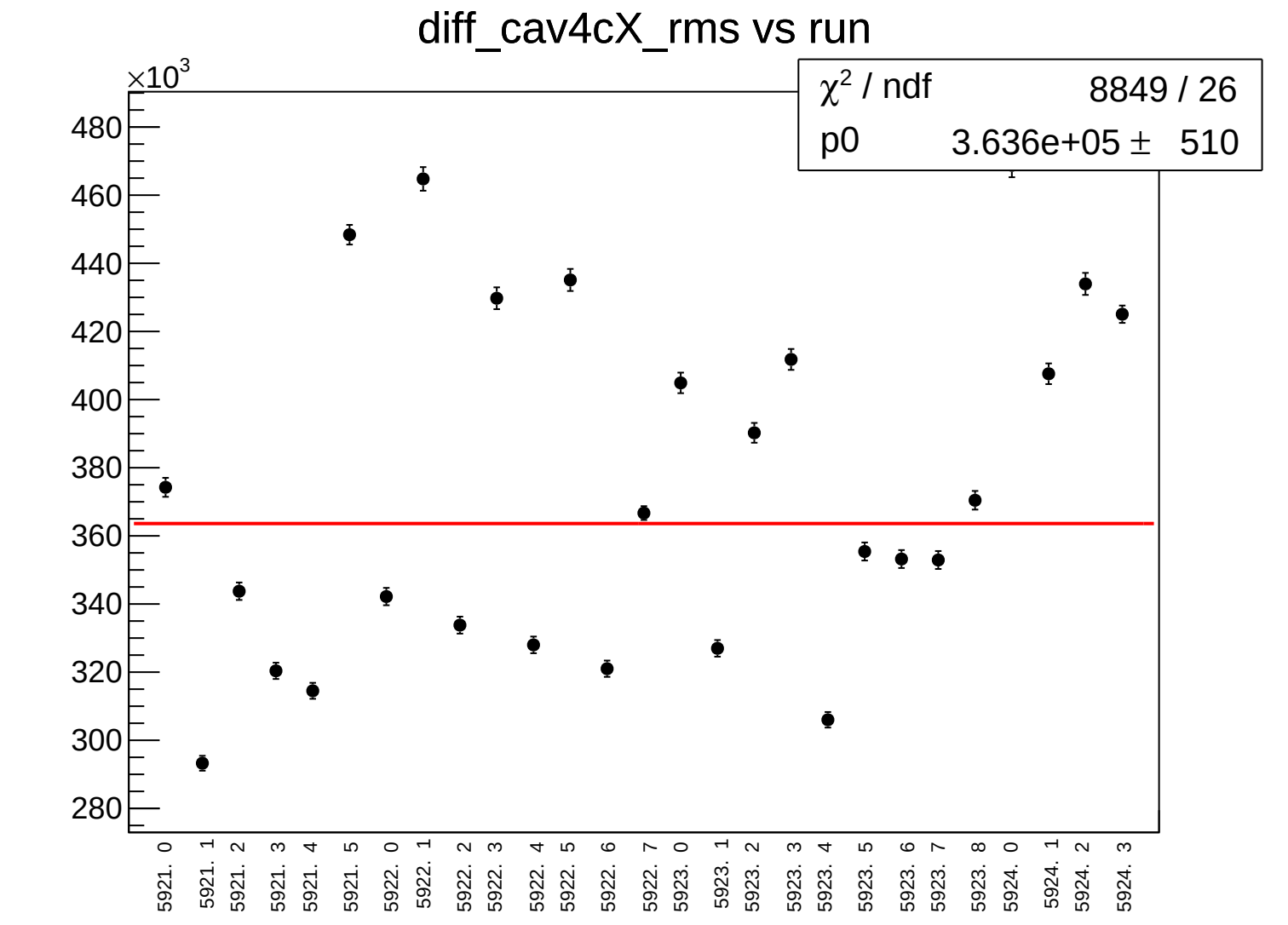

pull1D
Entries 27
Mean 0.04416
Std Dev 1.054
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

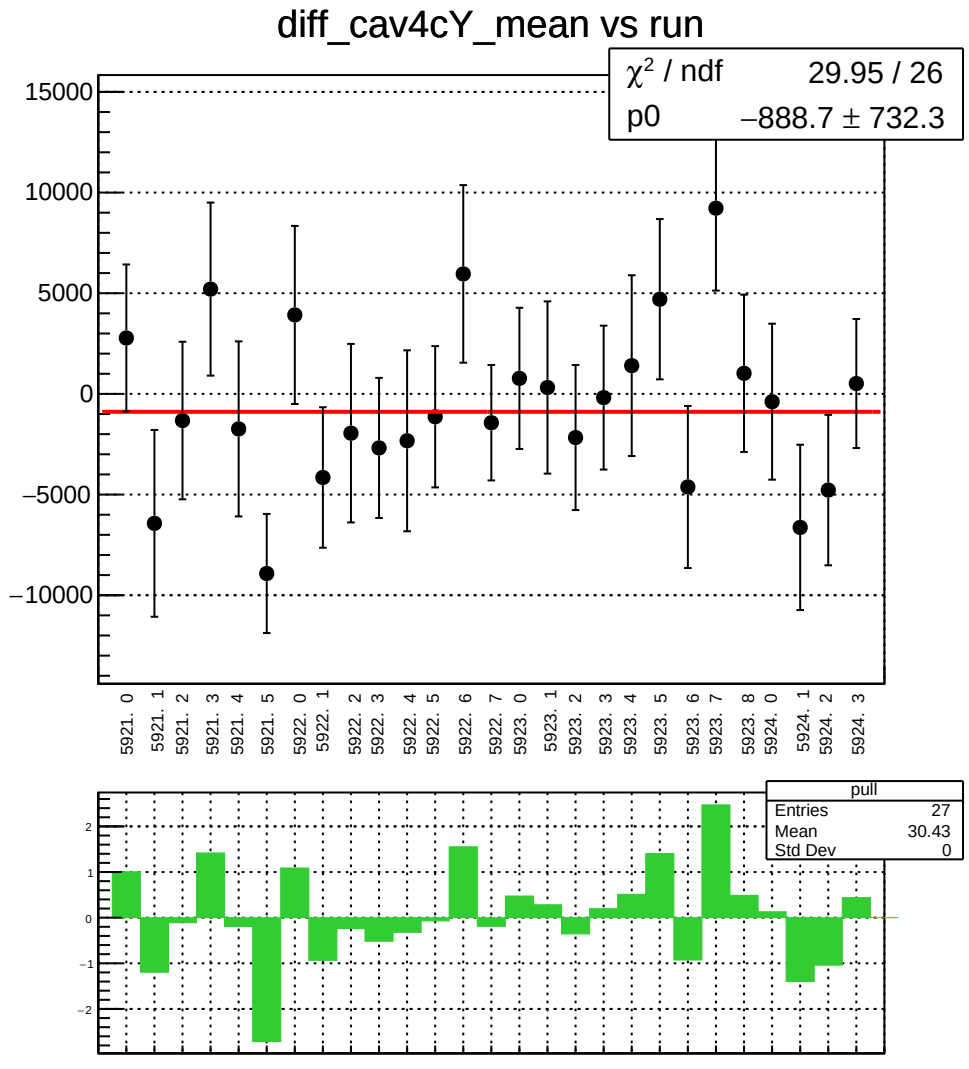

diff_cav4bY_rms vs run
×10^3
850
800
750
700
650
600
χ² / ndf 4181 / 26
p0 7.007e+05 ± 978.4
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

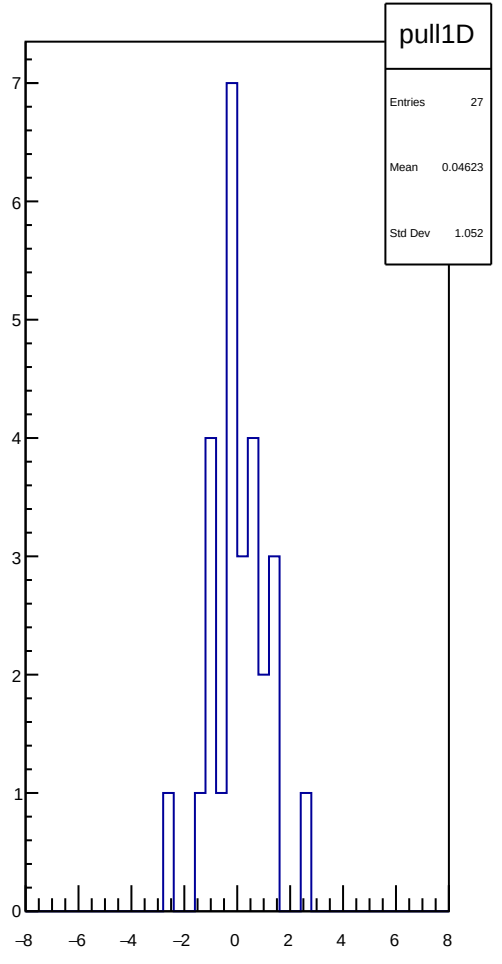

diff_cav4cX_mean vs run
χ² / ndf 24.22 / 26
p0 −284.6 ± 721.3
10000
5000
0
−5000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

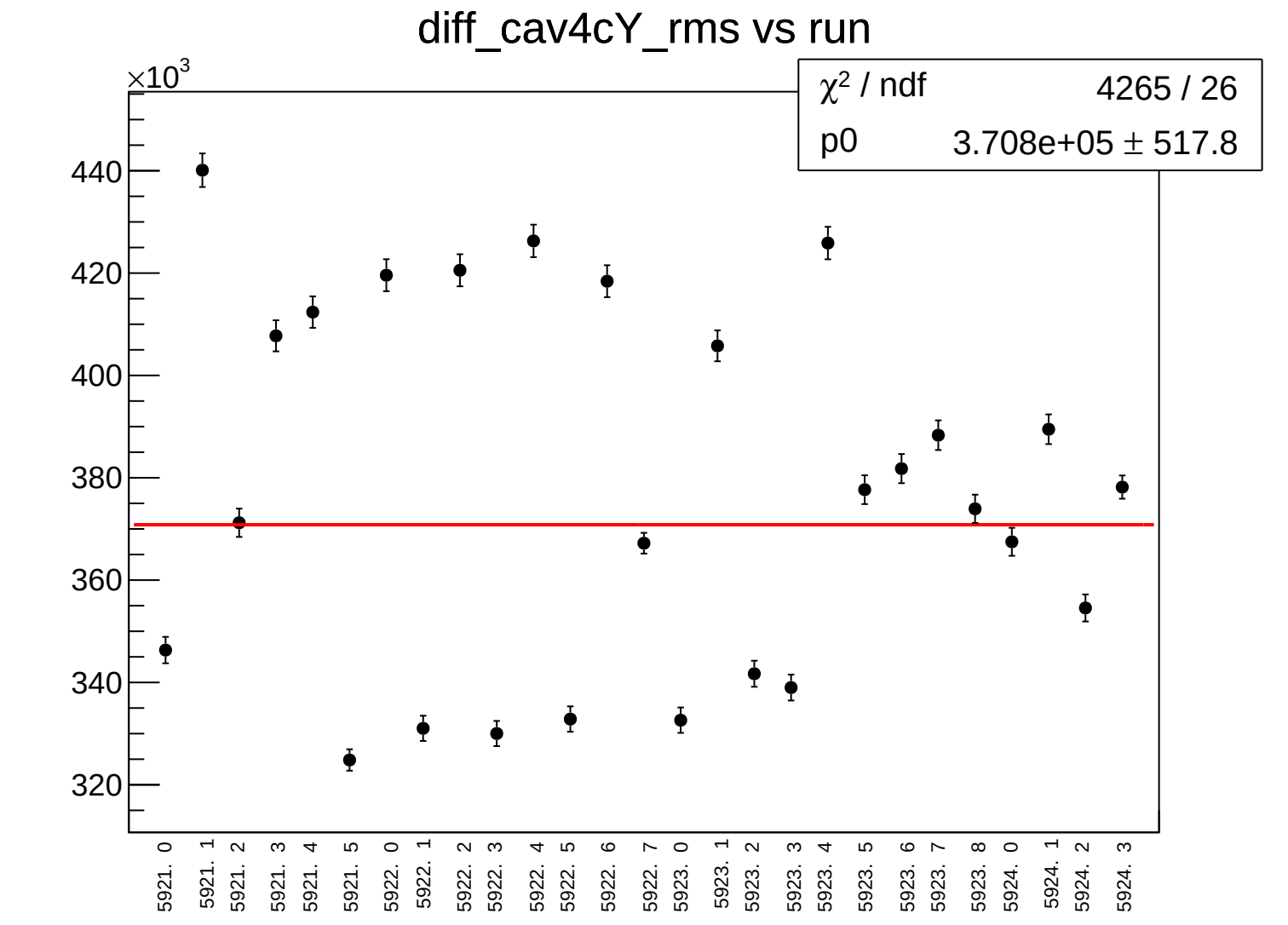

pull
Entries 27
Mean 57.19
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

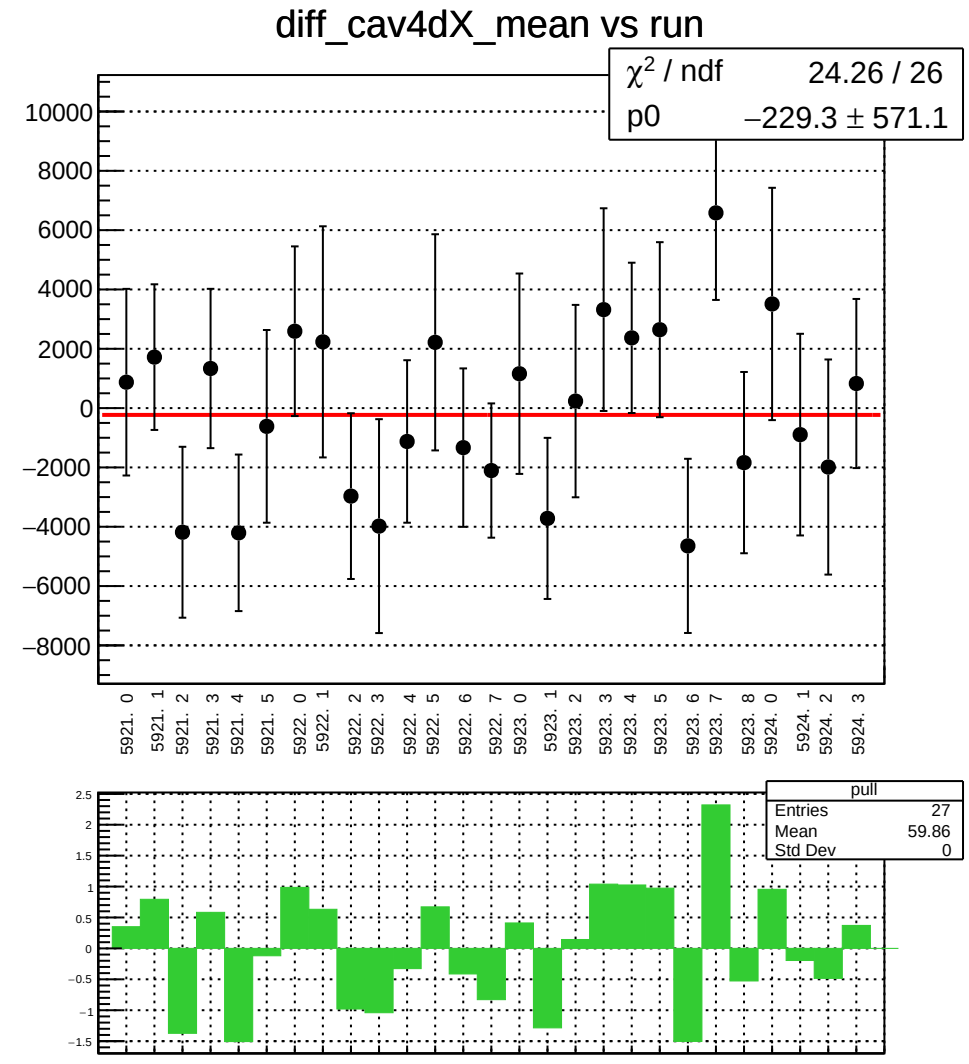

pull1D
Entries 27
Mean 0.02539
Std Dev 0.9468
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

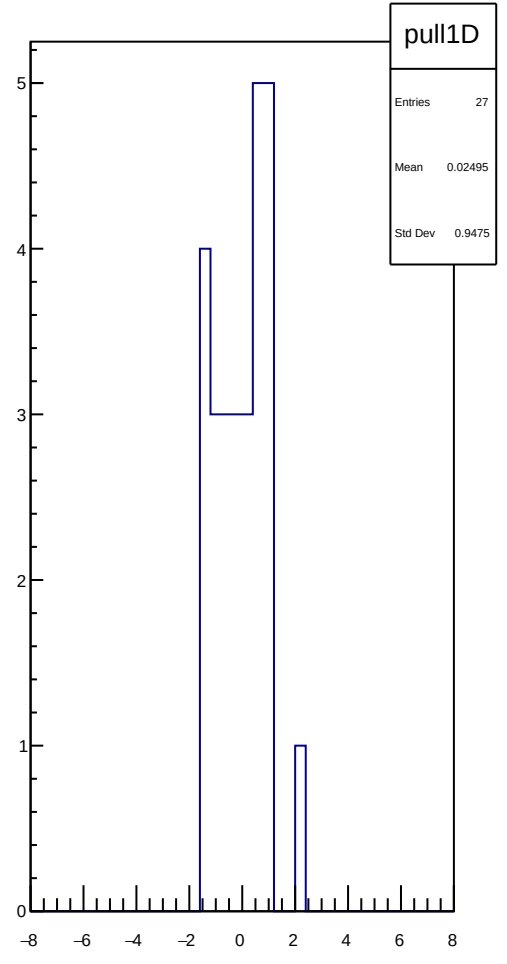

diff_cav4cX_rms vs run
×10^3
χ^2 / ndf 8849 / 26
p0 3.636e+05 ± 510
480
460
440
420
400
380
360
340
320
300
280
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

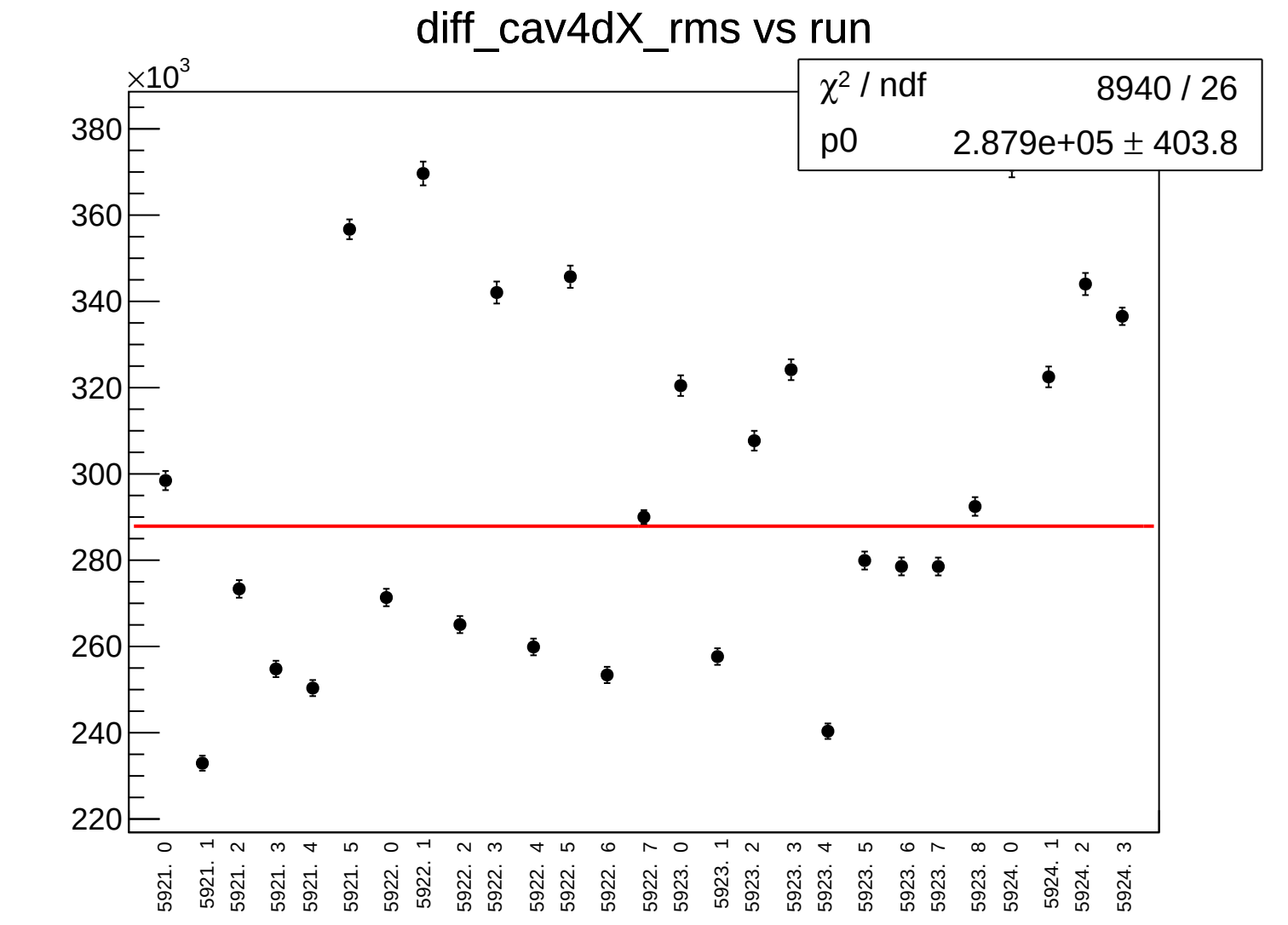

diff_cav4cY_mean vs run
χ² / ndf 29.95 / 26
p0 −888.7 ± 732.3
15000
10000
5000
0
−5000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 30.43
Std Dev 0
2
1
0
−1
−2

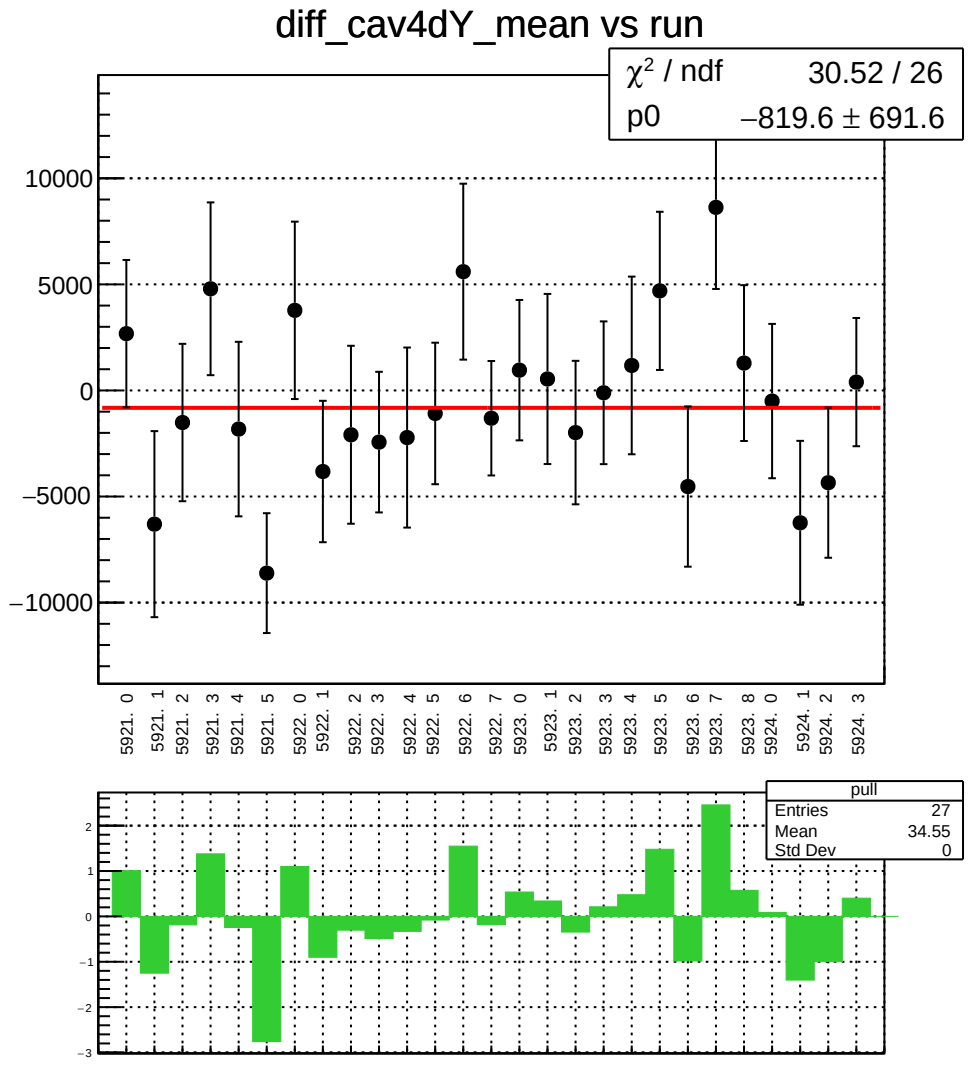

pull1D
Entries 27
Mean 0.04623
Std Dev 1.052
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

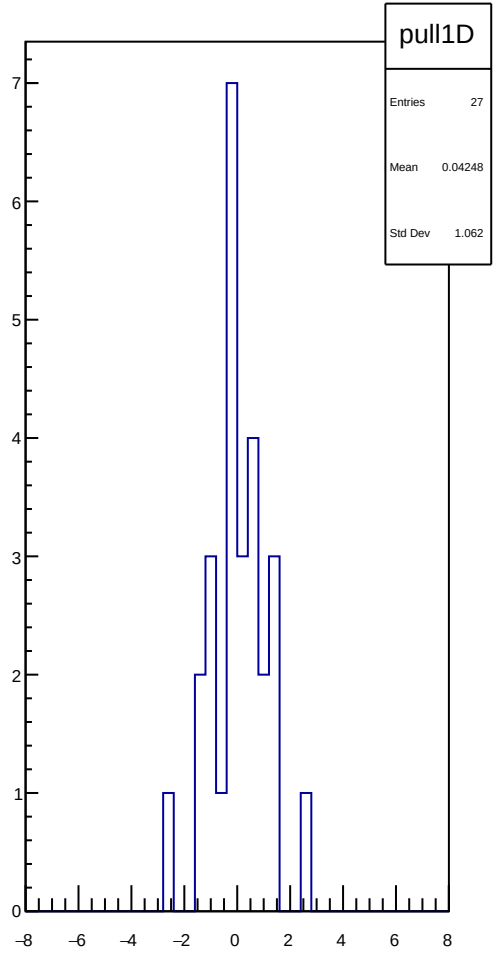

diff_cav4cY_rms vs run
×10^3
χ² / ndf 4265 / 26
p0 3.708e+05 ± 517.8
440
420
400
380
360
340
320
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

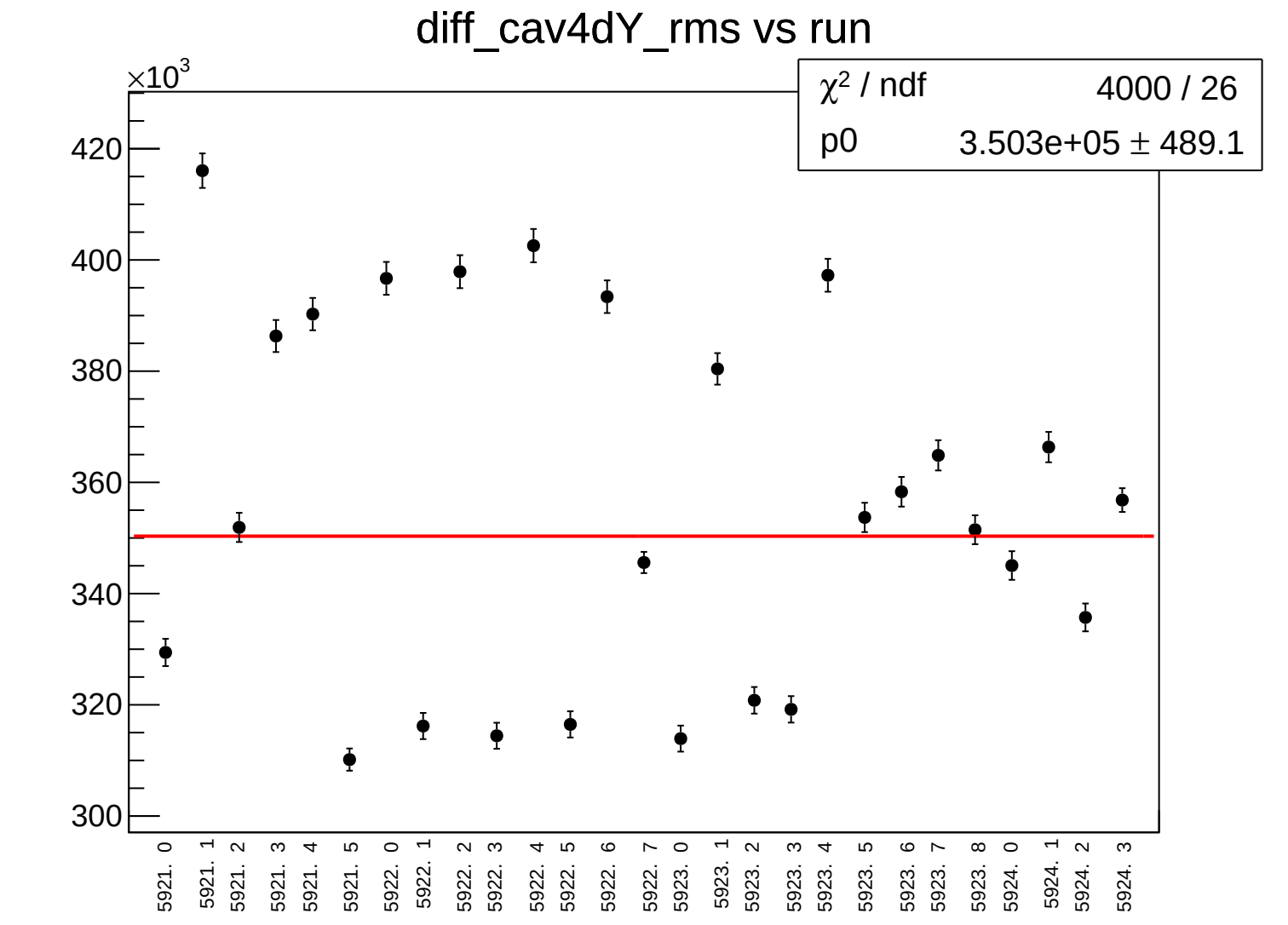

diff_cav4dX_mean vs run
χ² / ndf 24.26 / 26
p0 −229.3 ± 571.1
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 59.86
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

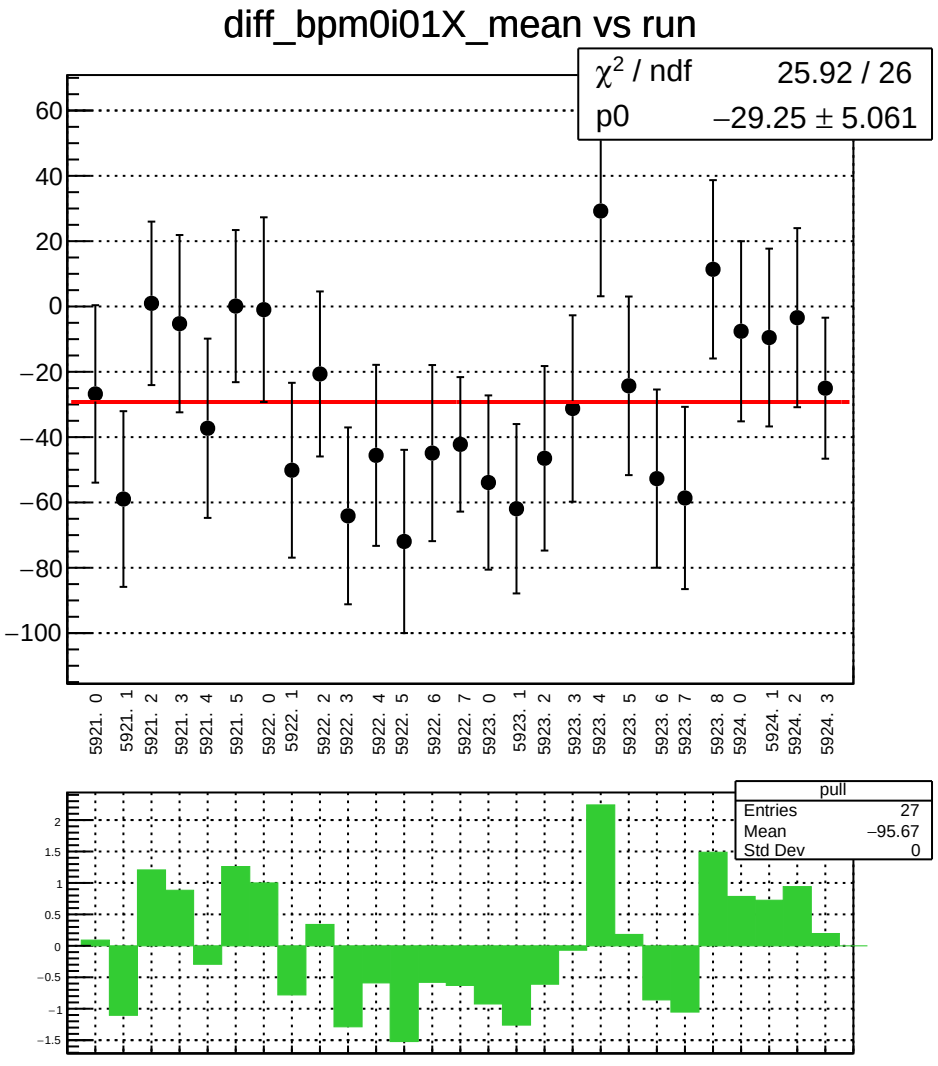

pull1D
Entries 27
Mean 0.02495
Std Dev 0.9475
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

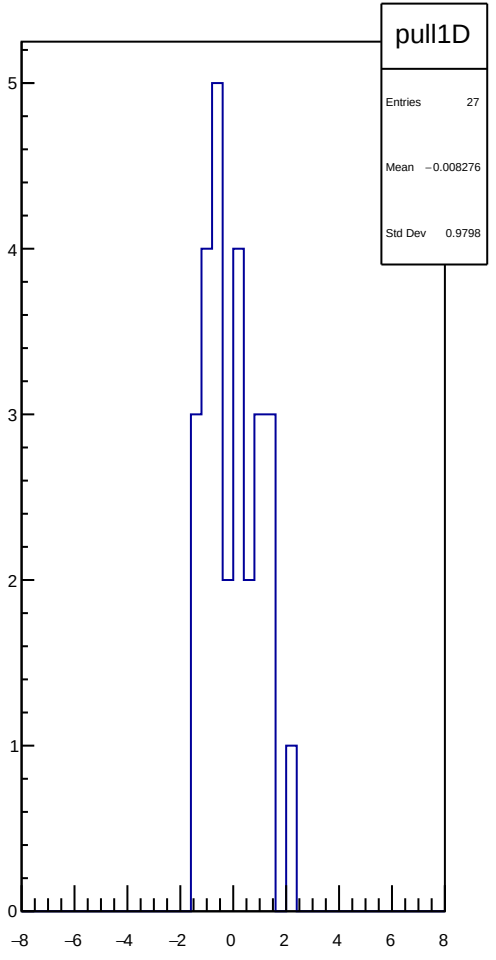

diff_cav4dX_rms vs run
×10^3
χ² / ndf 8940 / 26
p0 2.879e+05 ± 403.8
380
360
340
320
300
280
260
240
220
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

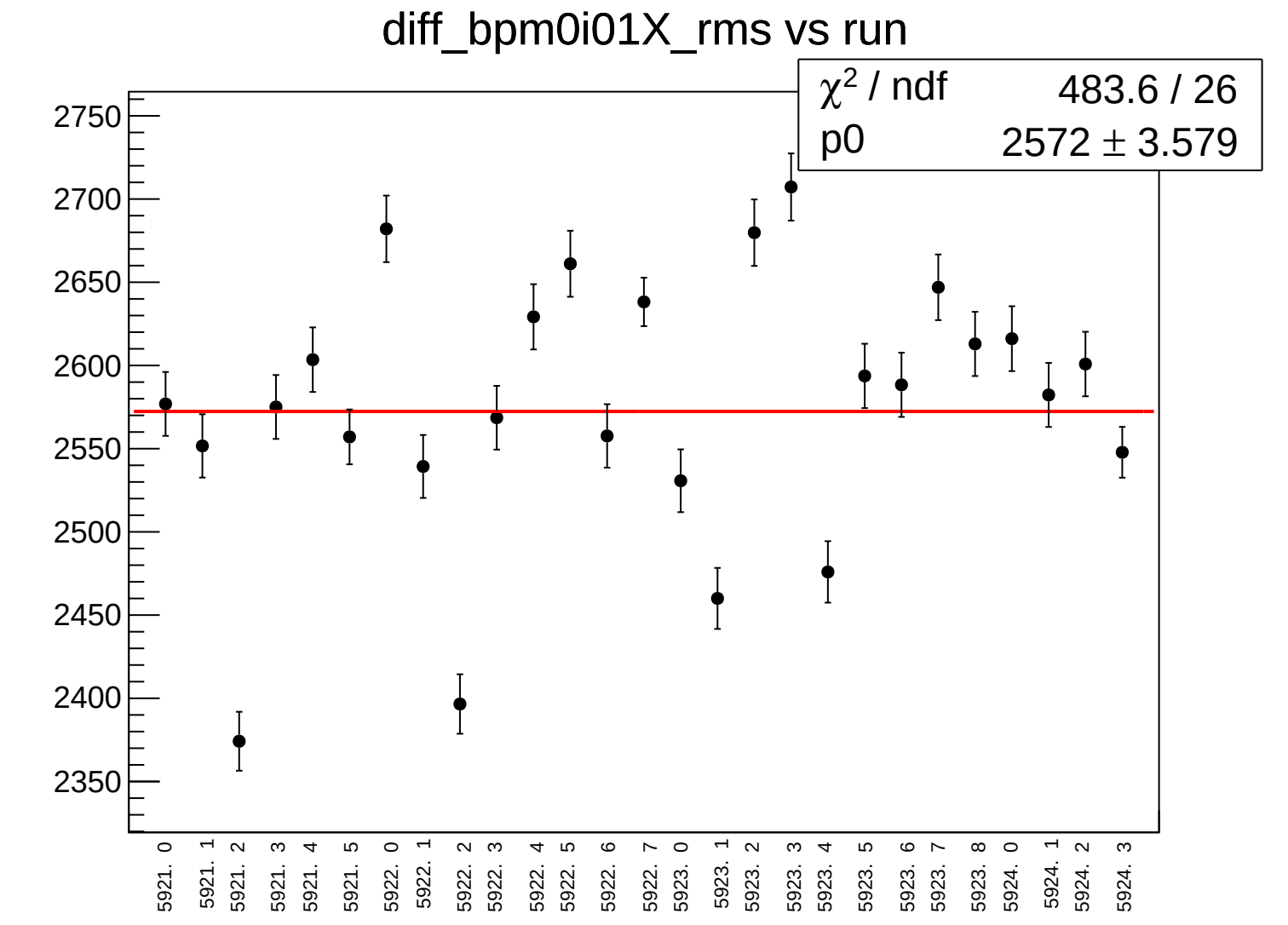

diff_cav4dY_mean vs run
χ² / ndf 30.52 / 26
p0 −819.6 ± 691.6
10000
5000
0
−5000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 34.55
Std Dev 0
2
1
0
−1
−2
−3

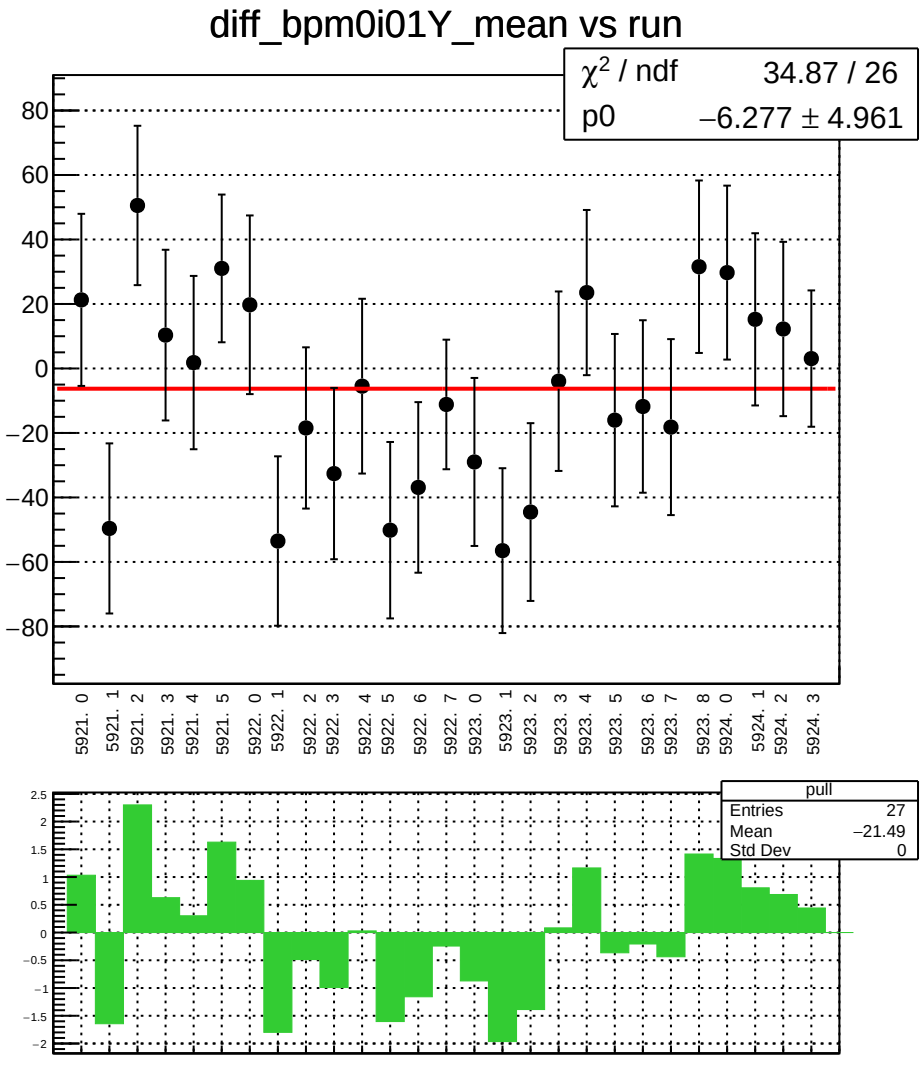

pull1D
Entries 27
Mean 0.04248
Std Dev 1.062
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

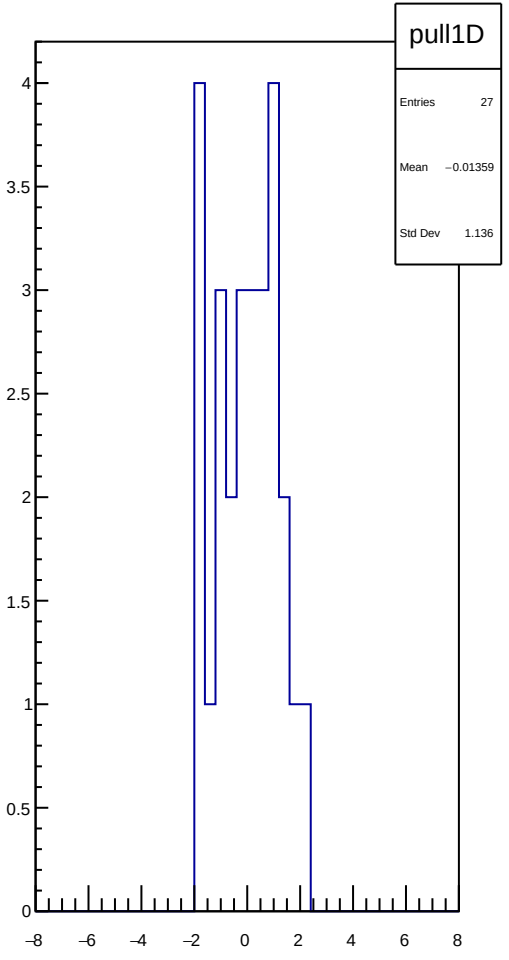

diff_cav4dY_rms vs run
×10^3
χ² / ndf 4000 / 26
p0 3.503e+05 ± 489.1
420
400
380
360
340
320
300
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

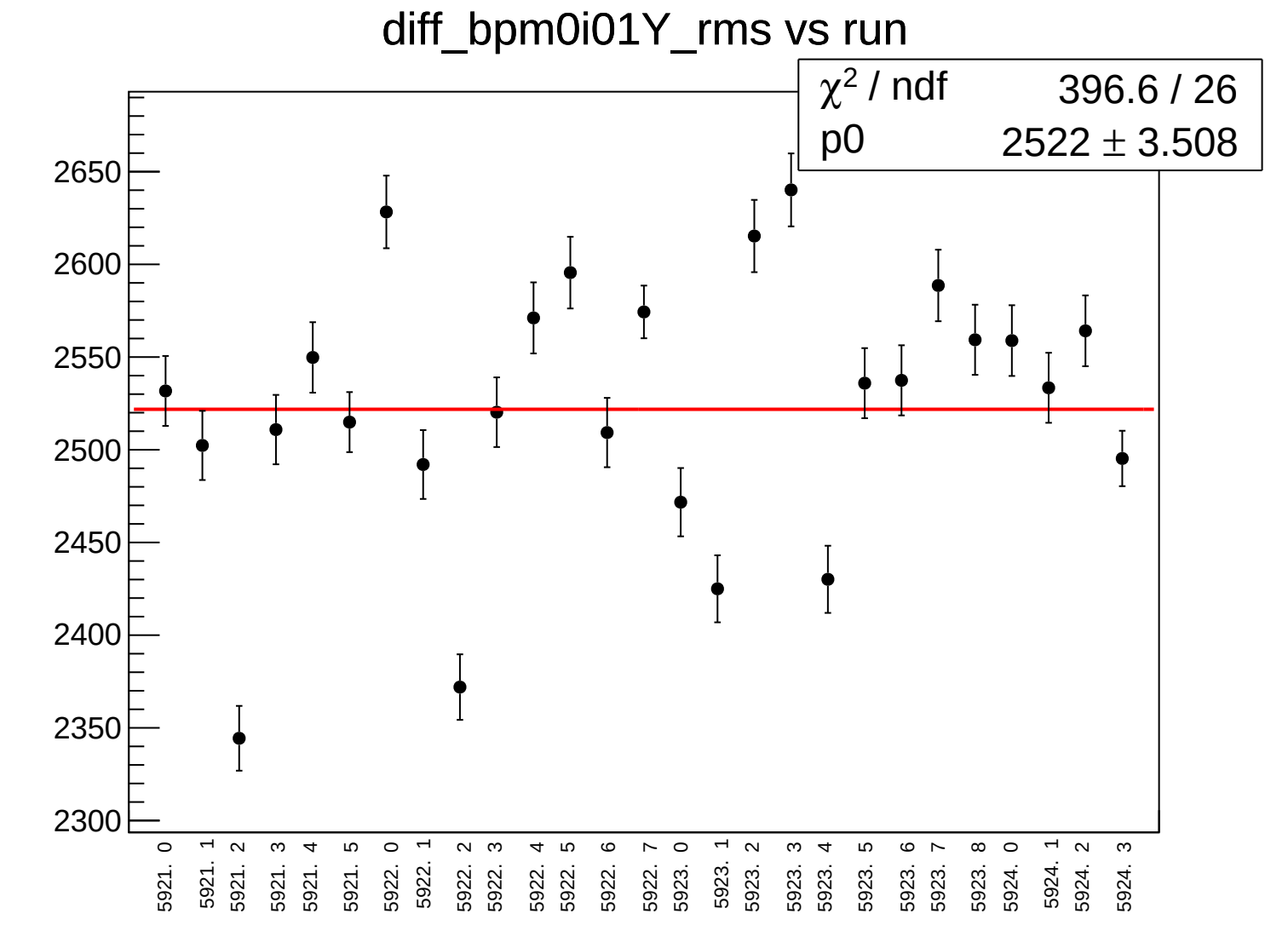

diff_bpm0i01X_mean vs run
χ² / ndf 25.92 / 26
p0 −29.25 ± 5.061
60
40
20
0
−20
−40
−60
−80
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −95.67
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

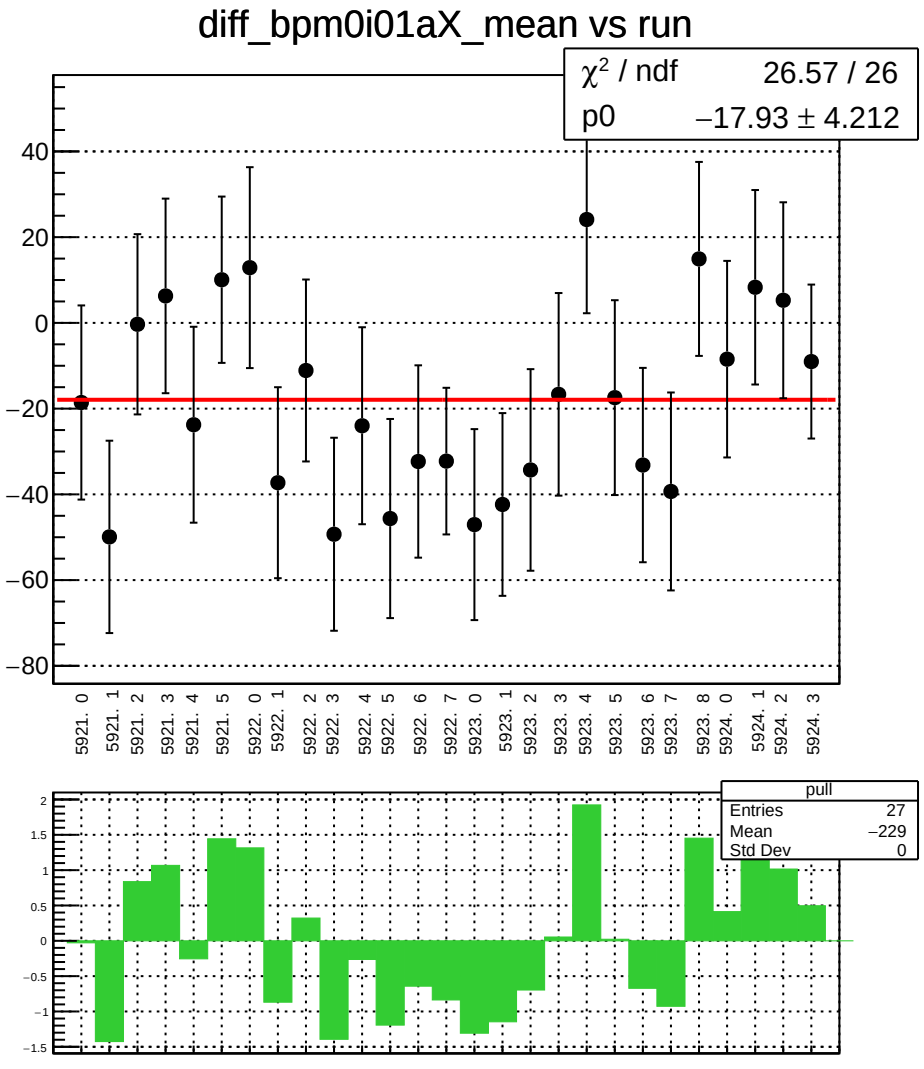

pull1D
Entries 27
Mean −0.008276
Std Dev 0.9798
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

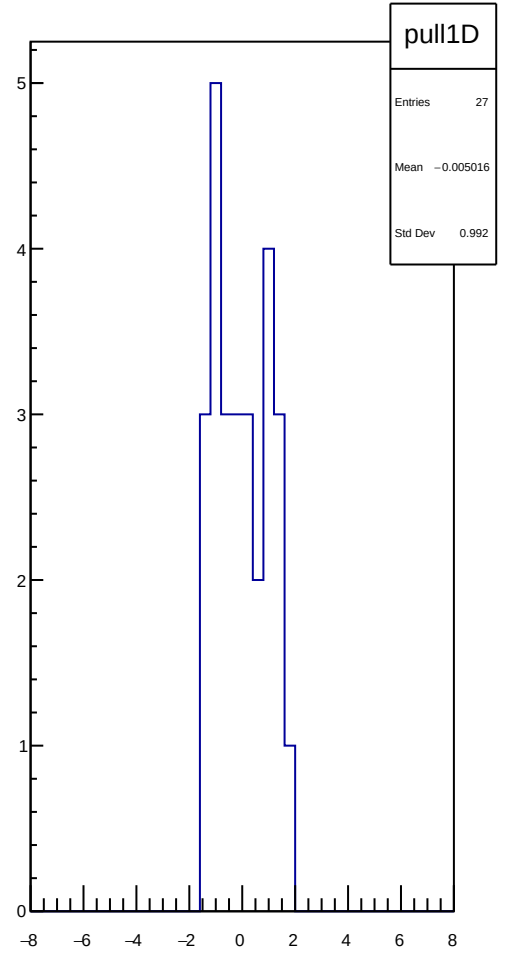

diff_bpm0i01X_rms vs run
χ² / ndf 483.6 / 26
p0 2572 ± 3.579
2750
2700
2650
2600
2550
2500
2450
2400
2350
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

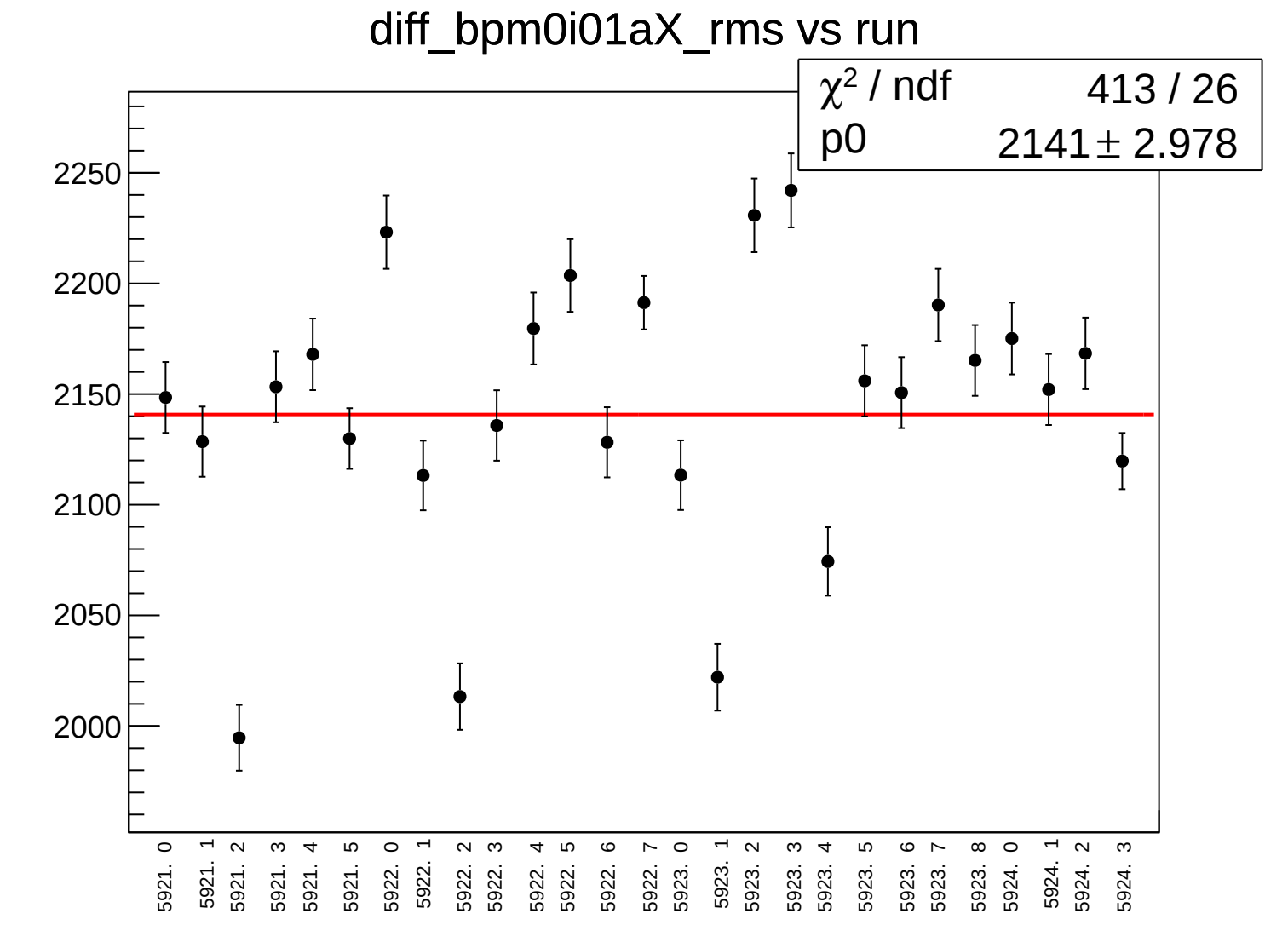

diff_bpm0i01Y_mean vs run
χ² / ndf 34.87 / 26
p0 −6.277 ± 4.961
pull
Entries 27
Mean −21.49
Std Dev 0

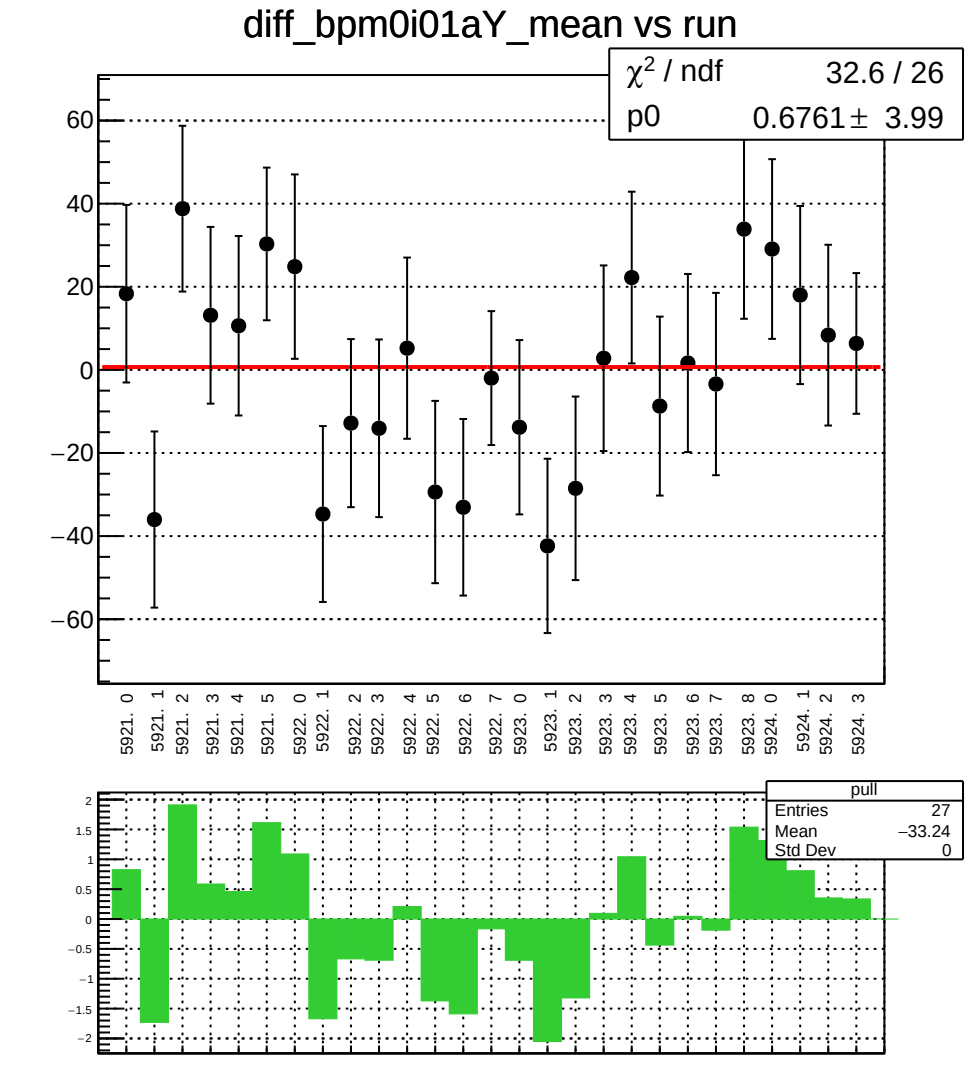

pull1D
Entries 27
Mean −0.01359
Std Dev 1.136

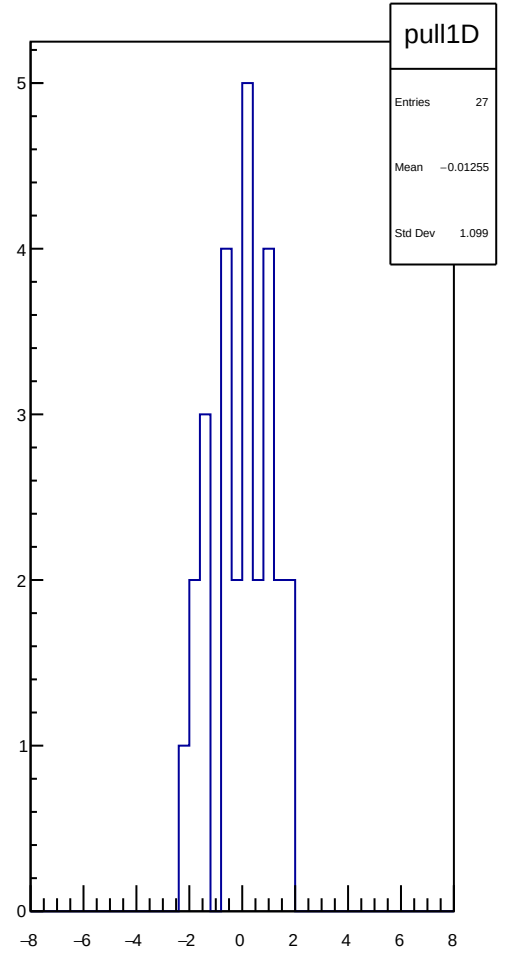

diff_bpm0i01Y_rms vs run
χ² / ndf 396.6 / 26
p0 2522 ± 3.508
2650
2600
2550
2500
2450
2400
2350
2300
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

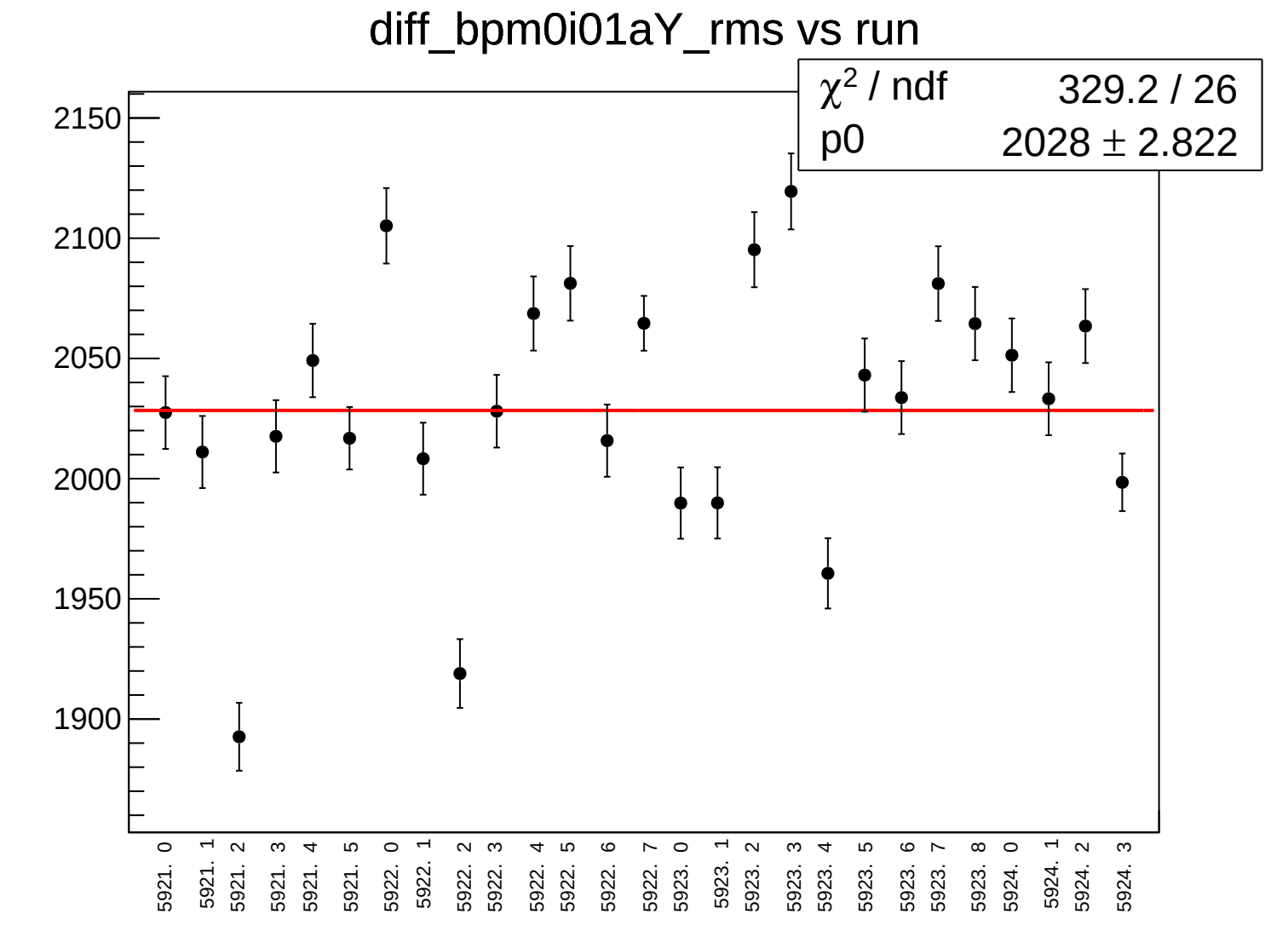

diff_bpm0i01aX_mean vs run
χ² / ndf 26.57 / 26
p0 −17.93 ± 4.212
40
20
0
−20
−40
−60
−80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −229
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

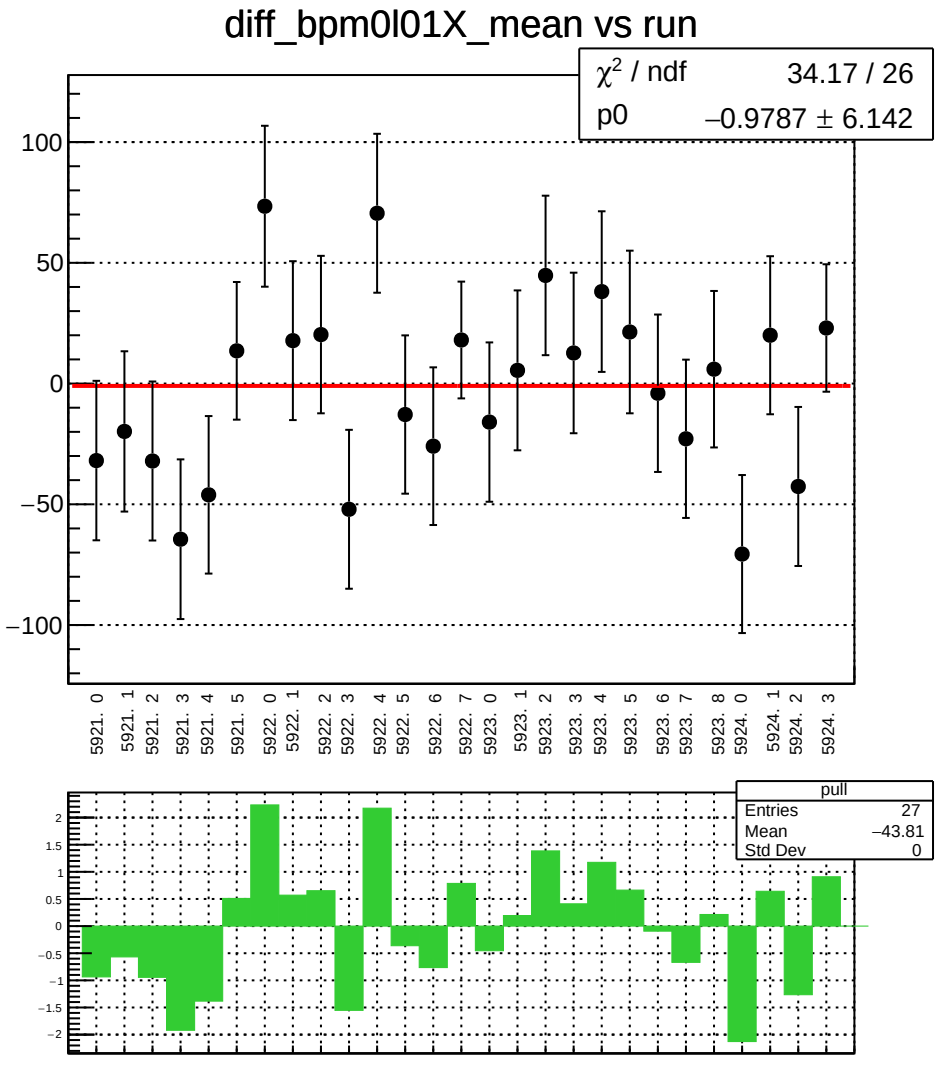

pull1D
Entries 27
Mean −0.005016
Std Dev 0.992
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

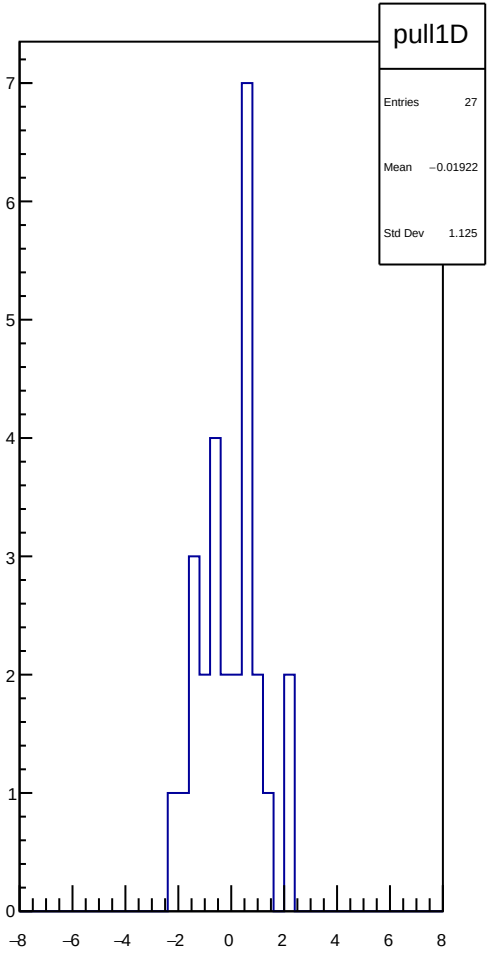

diff_bpm0i01aX_rms vs run
χ² / ndf 413 / 26
p0 2141 ± 2.978
2250
2200
2150
2100
2050
2000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

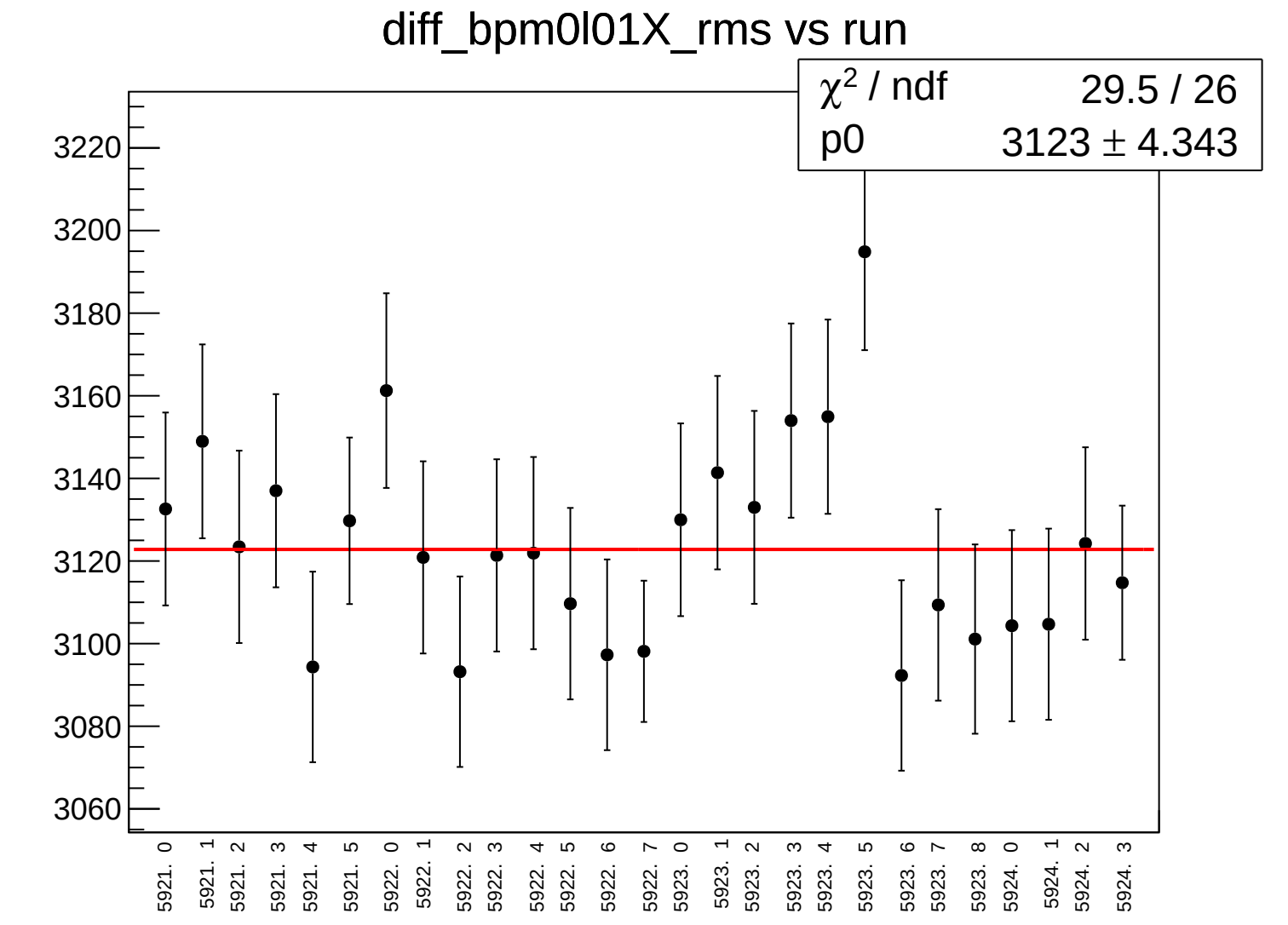

diff_bpm0i01aY_mean vs run
χ² / ndf 32.6 / 26
p0 0.6761 ± 3.99
60
40
20
0
−20
−40
−60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −33.24
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

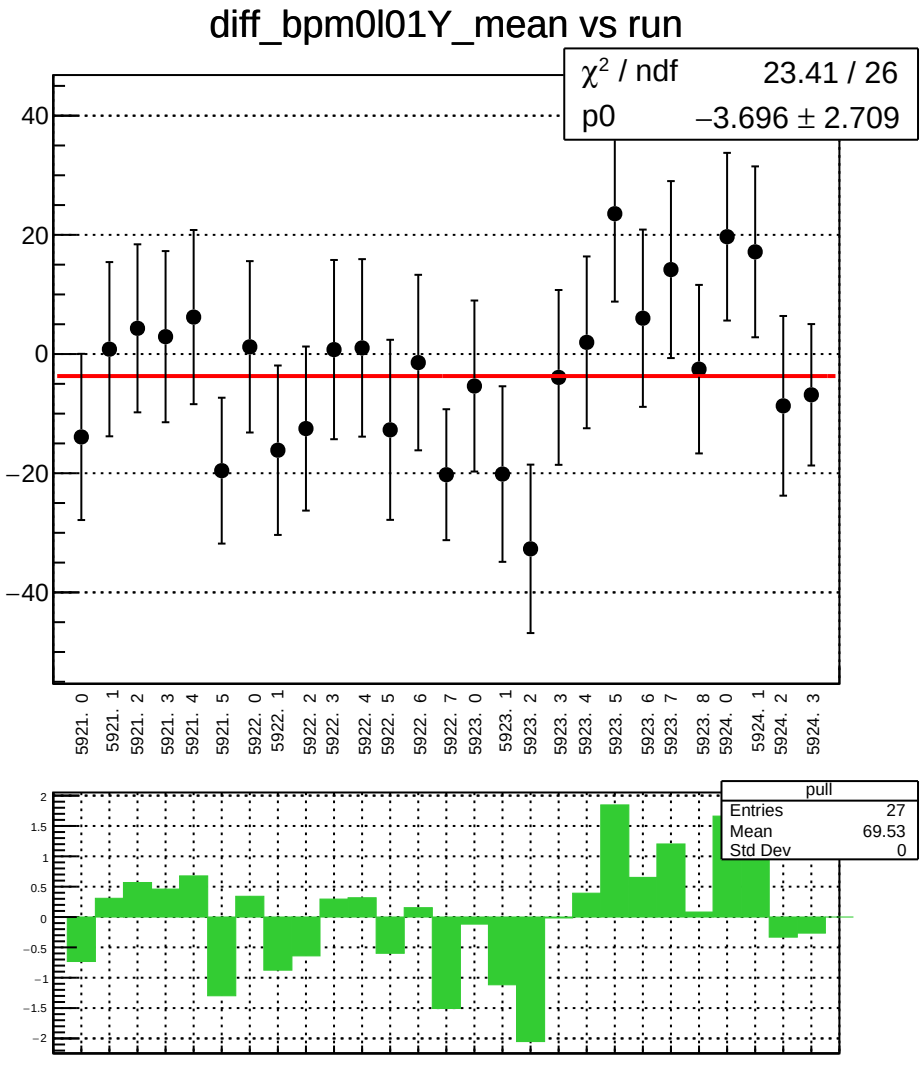

pull1D
Entries 27
Mean −0.01255
Std Dev 1.099
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

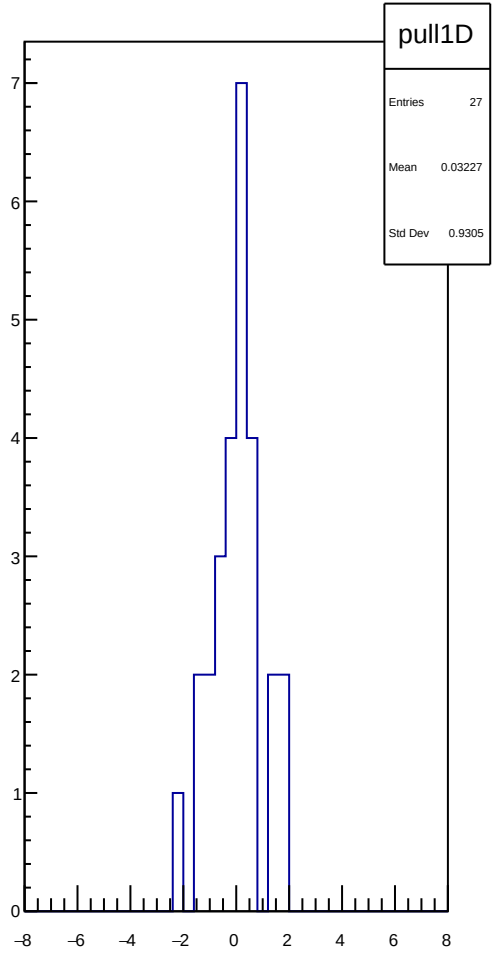

diff_bpm0i01aY_rms vs run
χ² / ndf 329.2 / 26
p0 2028 ± 2.822
2150
2100
2050
2000
1950
1900
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

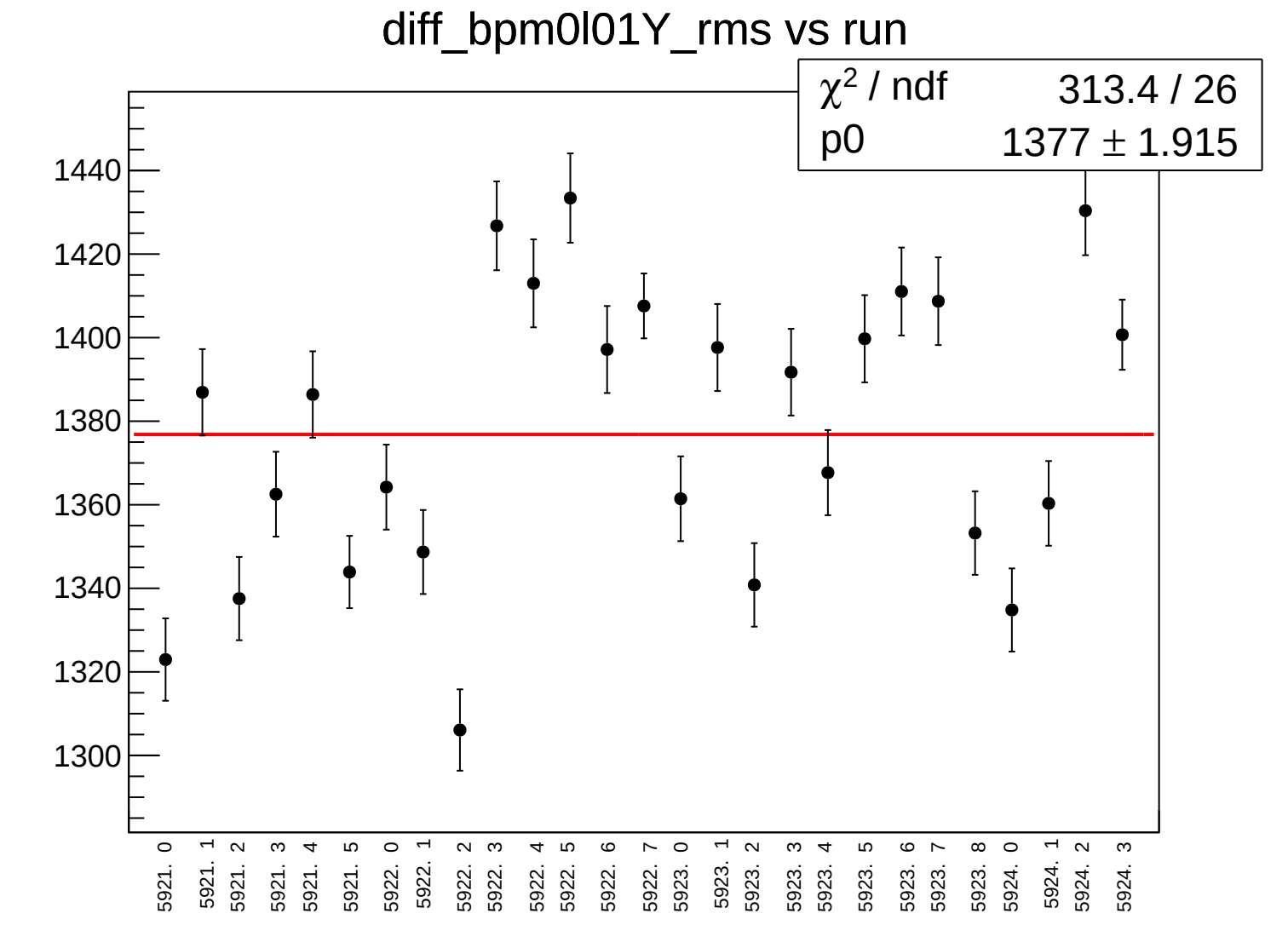

diff_bpm0l01X_mean vs run
χ² / ndf 34.17 / 26
p0 −0.9787 ± 6.142
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −43.81
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

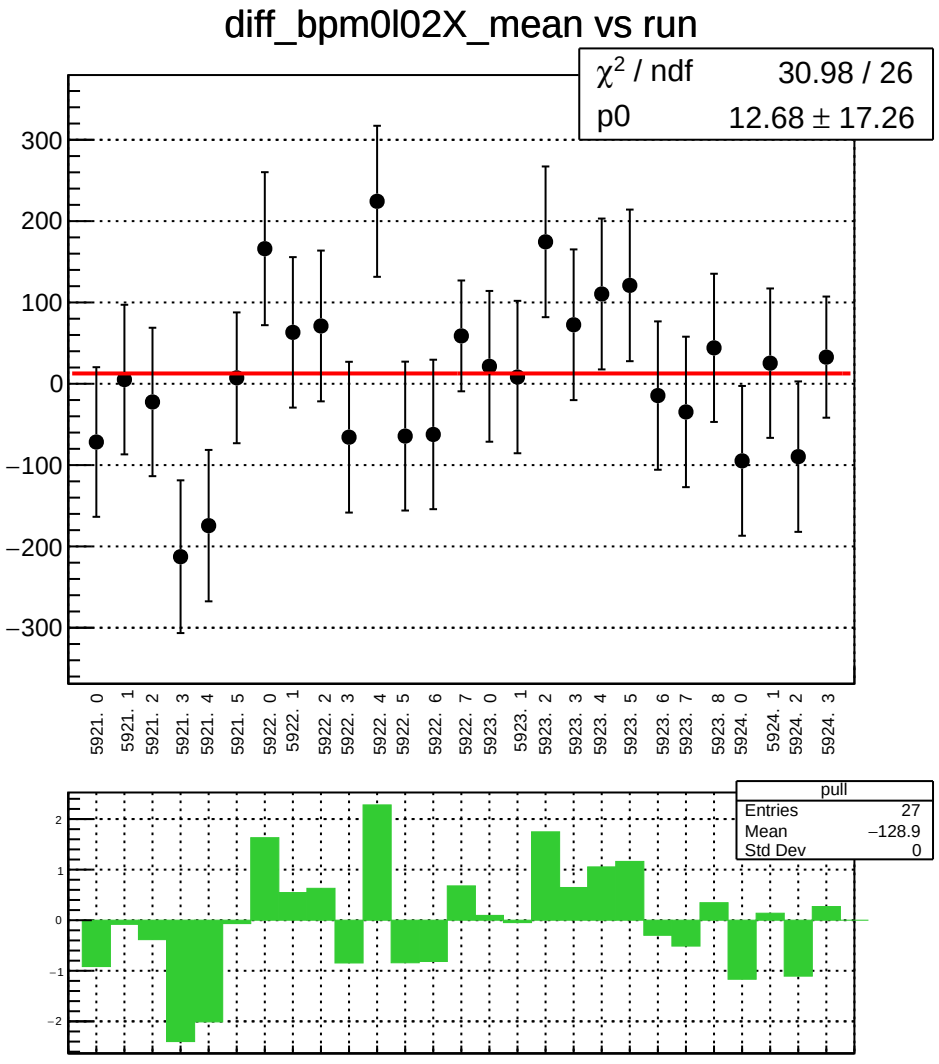

pull1D
Entries 27
Mean −0.01922
Std Dev 1.125
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

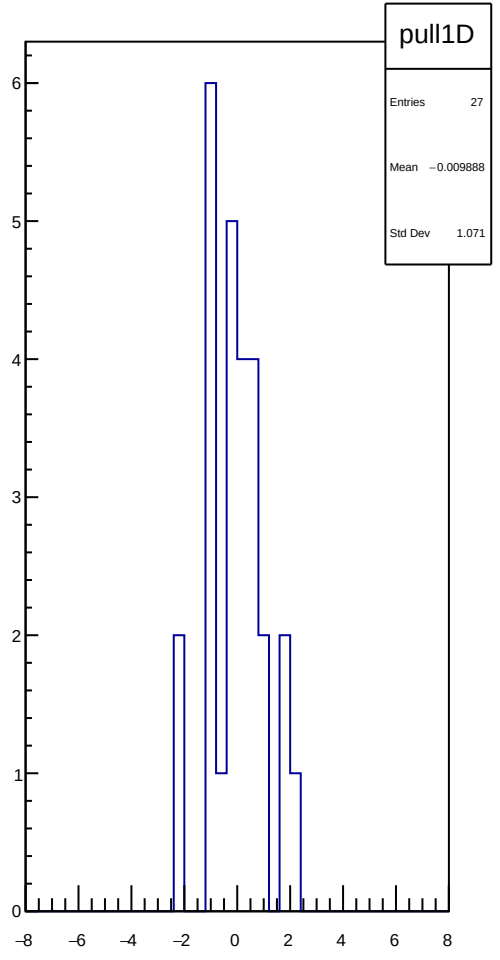

diff_bpm0l01X_rms vs run
χ² / ndf 29.5 / 26
p0 3123 ± 4.343
3220
3200
3180
3160
3140
3120
3100
3080
3060
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

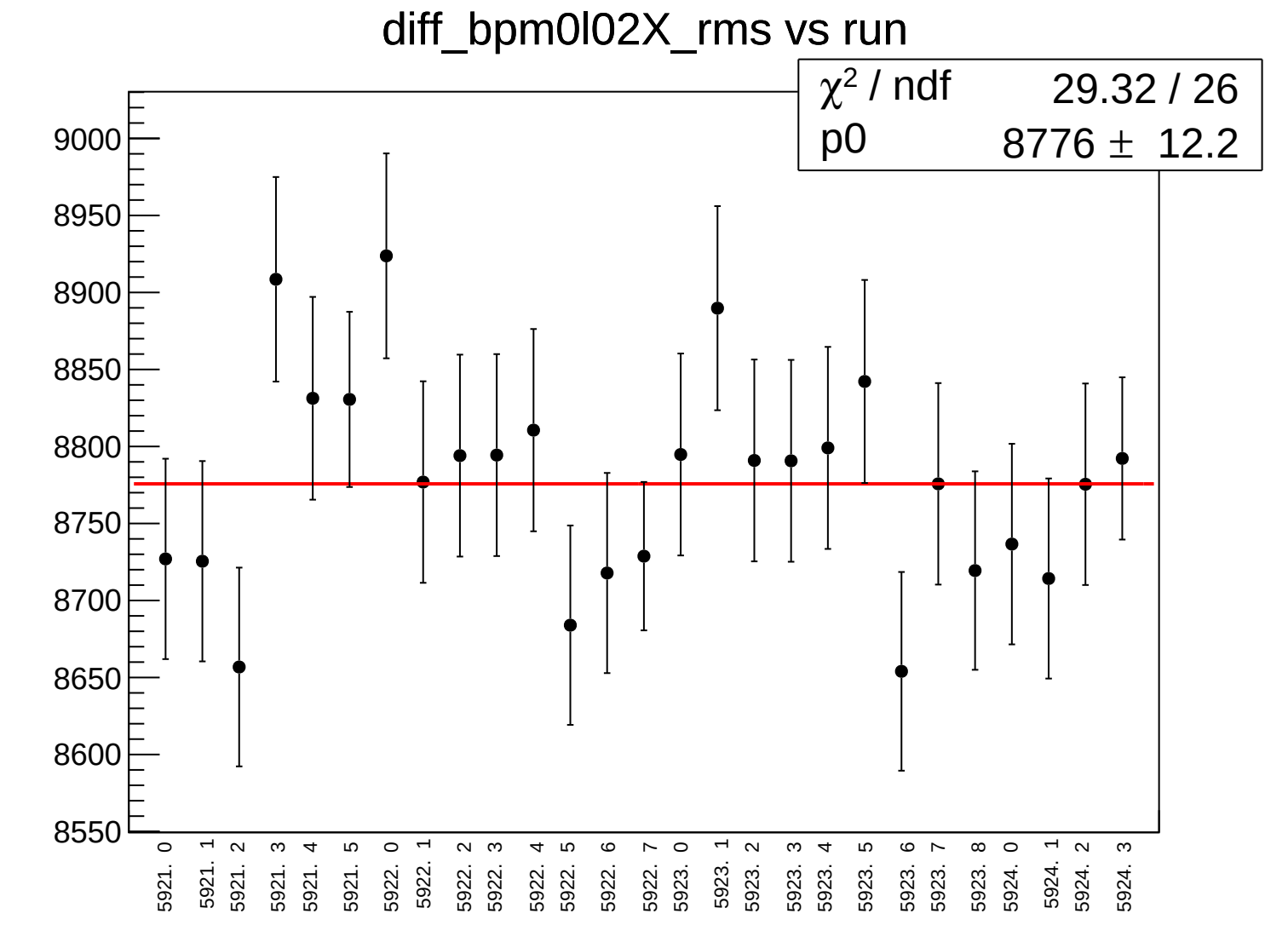

diff_bpm0l01Y_mean vs run
χ² / ndf 23.41 / 26
p0 −3.696 ± 2.709
40
20
0
−20
−40
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 69.53
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

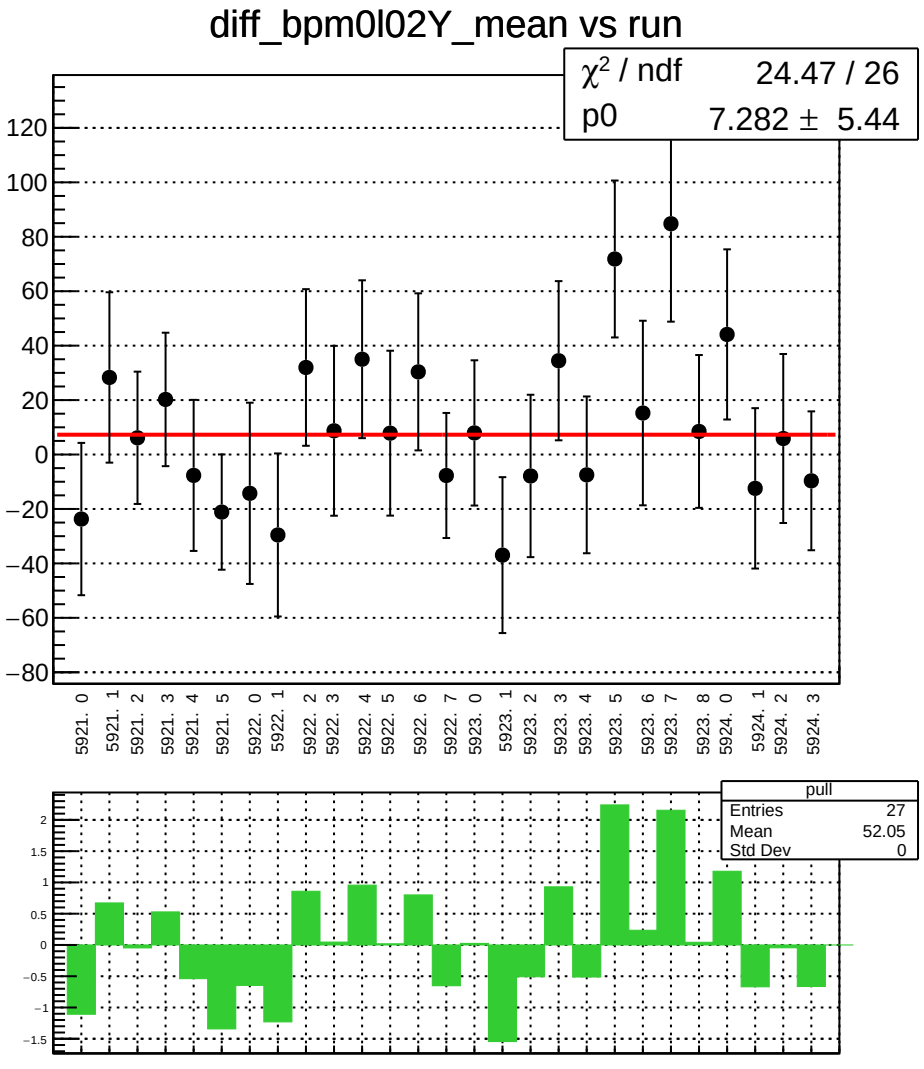

pull1D
Entries 27
Mean 0.03227
Std Dev 0.9305
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

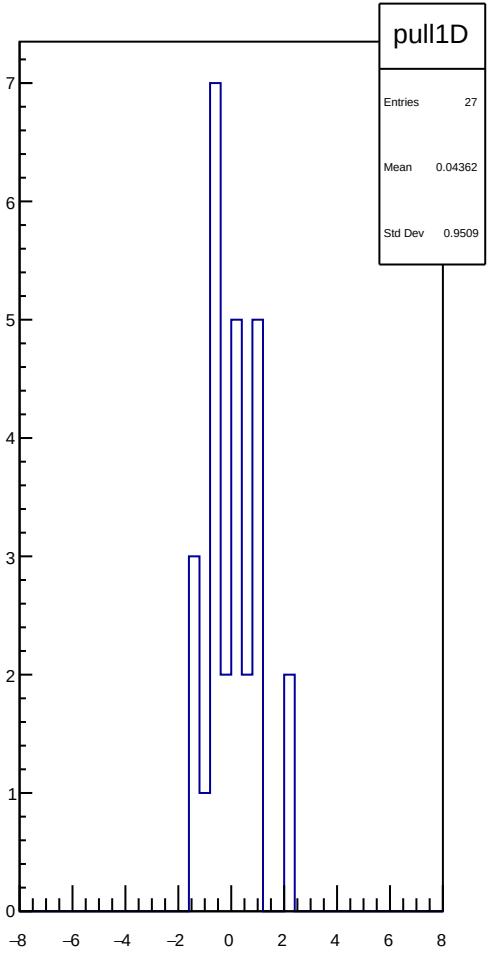

diff_bpm0l01Y_rms vs run
χ² / ndf 313.4 / 26
p0 1377 ± 1.915
1440
1420
1400
1380
1360
1340
1320
1300
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

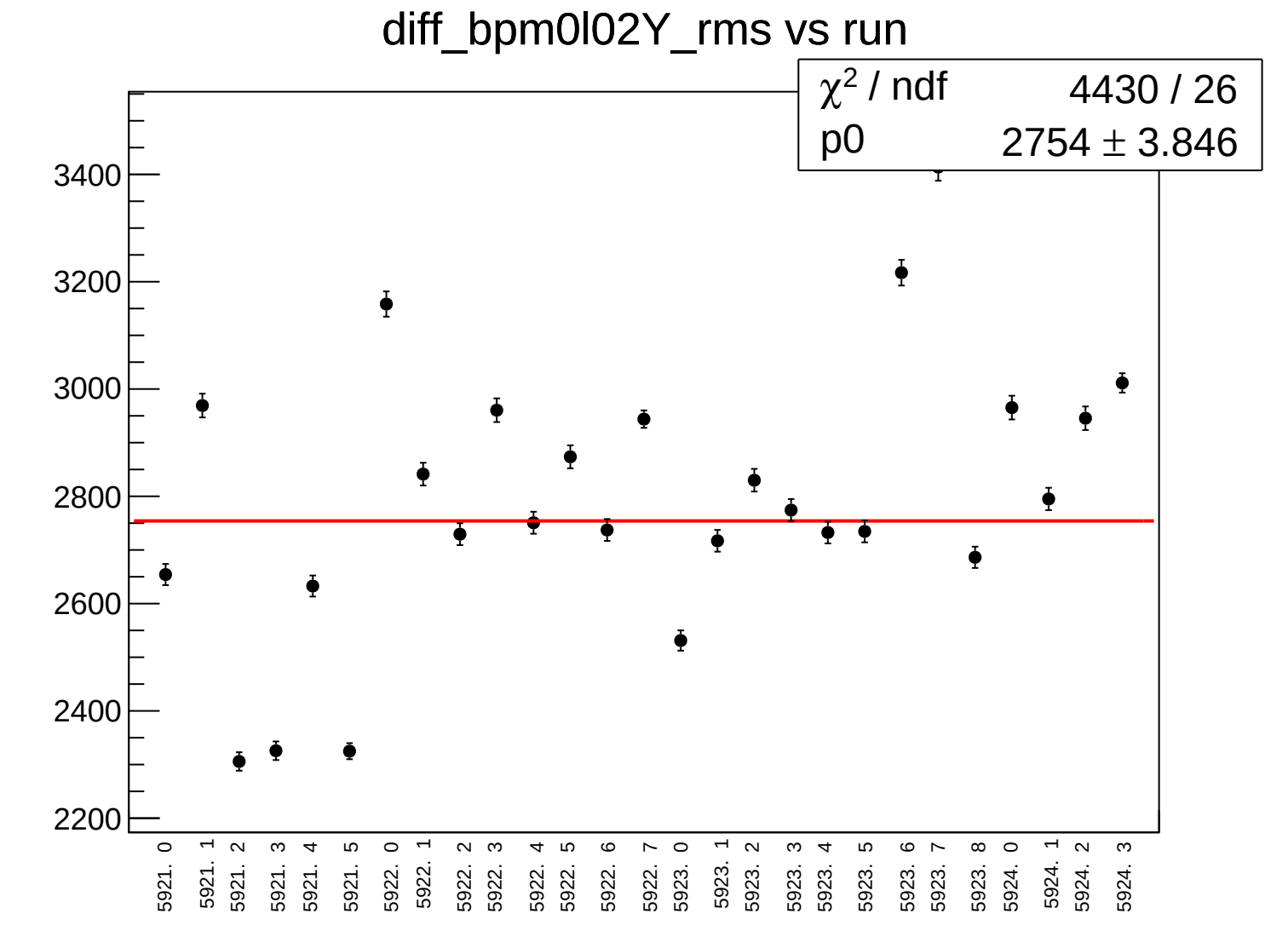

diff_bpm0l02X_mean vs run
χ² / ndf 30.98 / 26
p0 12.68 ± 17.26
300
200
100
0
−100
−200
−300
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −128.9
Std Dev 0
2
1
0
−1
−2

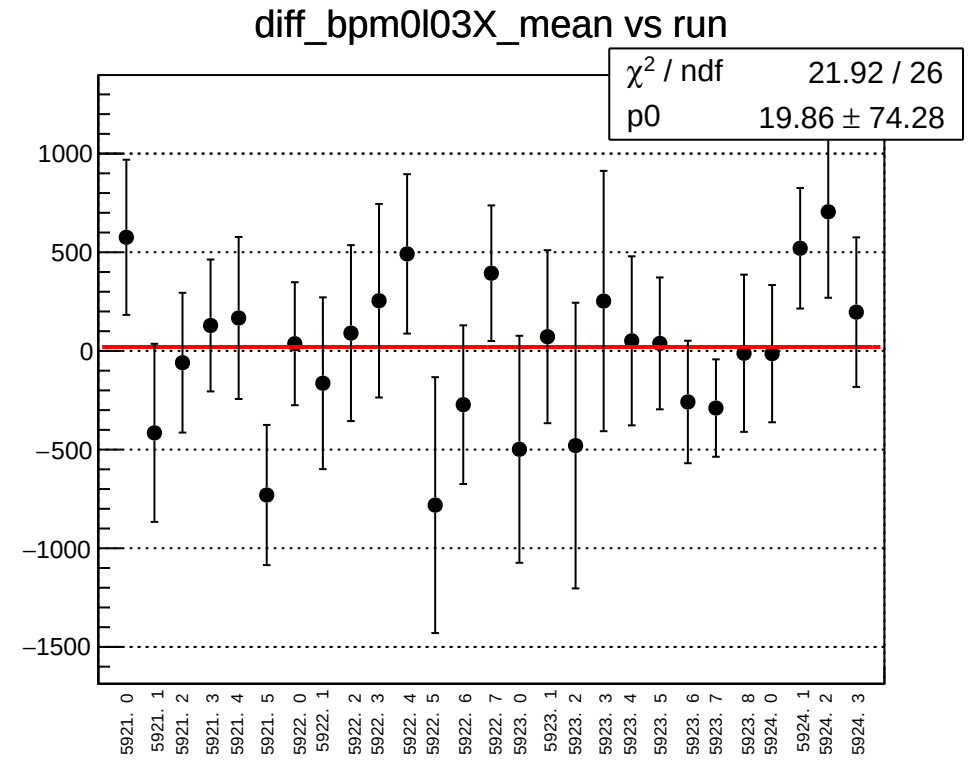

pull1D
Entries 27
Mean −0.009888
Std Dev 1.071
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

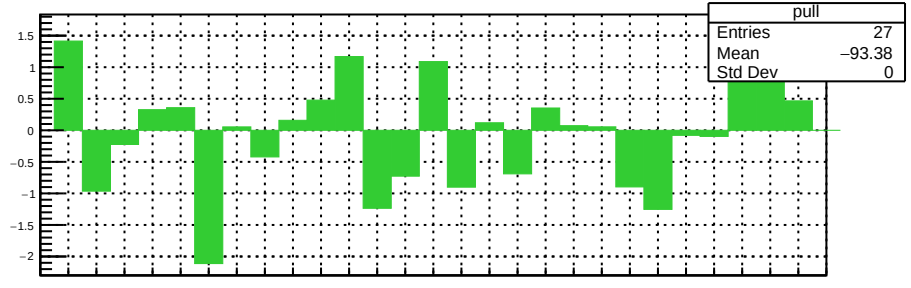

diff_bpm0l02X_rms vs run
χ² / ndf 29.32 / 26
p0 8776 ± 12.2
9000
8950
8900
8850
8800
8750
8700
8650
8600
8550
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

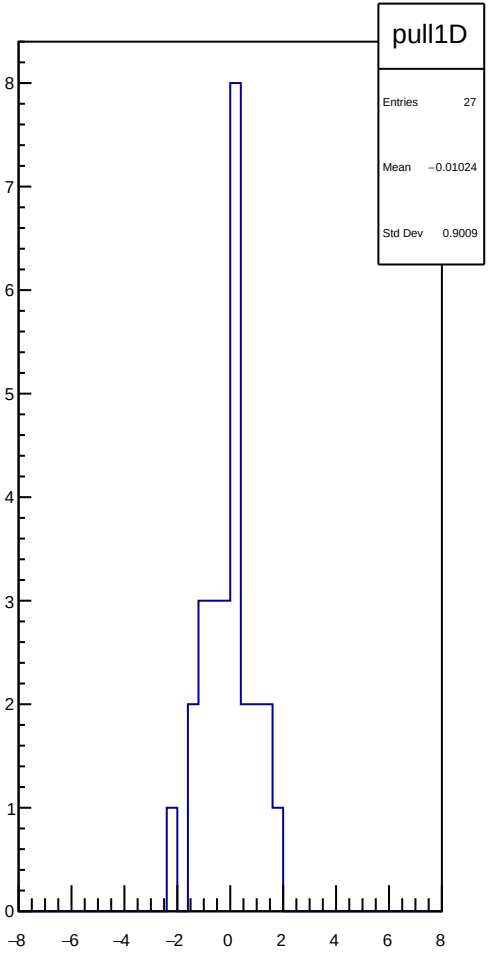

diff_bpm0l02Y_mean vs run
χ² / ndf 24.47 / 26
p0 7.282 ± 5.44
120
100
80
60
40
20
0
−20
−40
−60
−80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 52.05
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

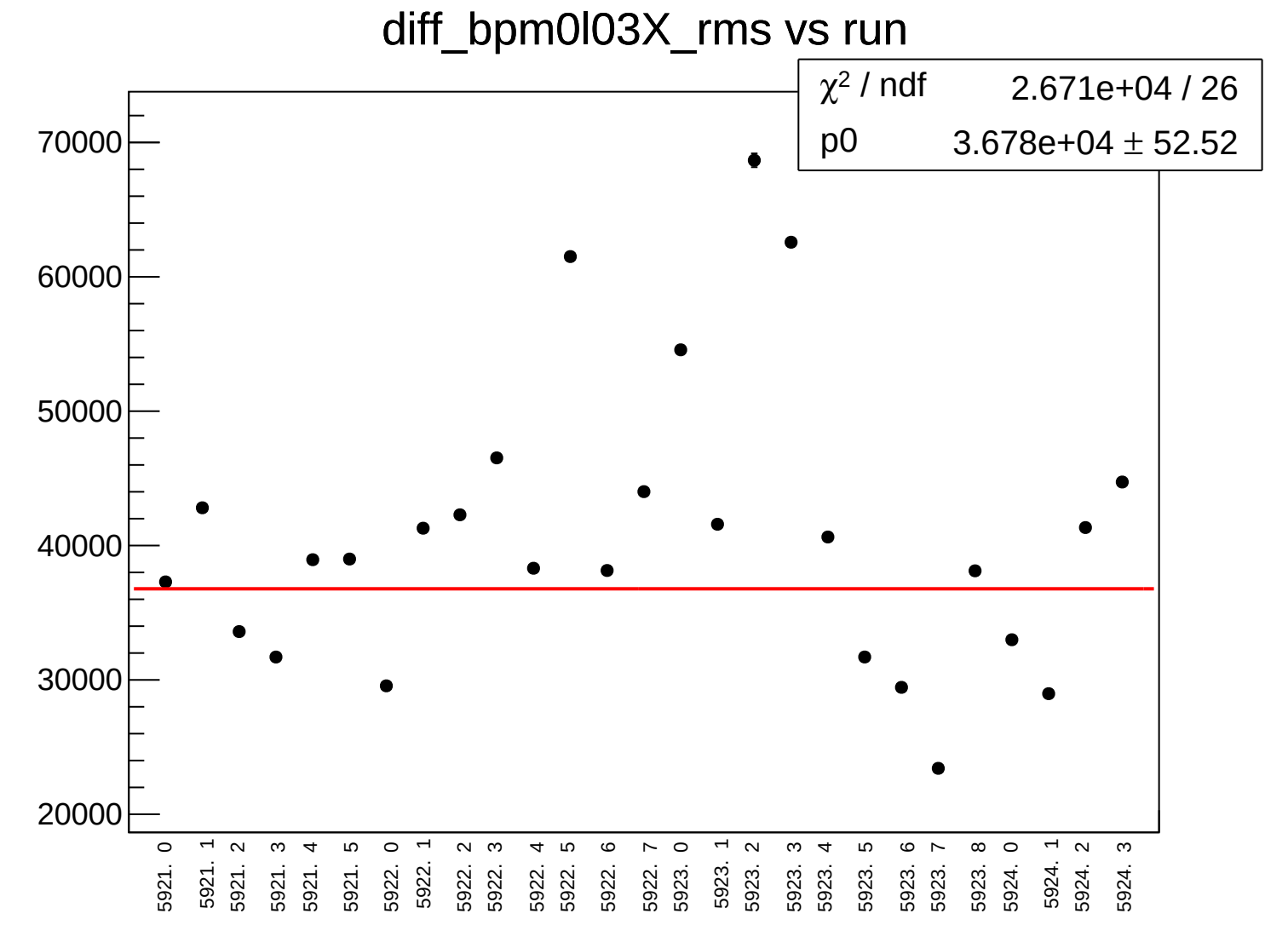

pull1D
Entries 27
Mean 0.04362
Std Dev 0.9509
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

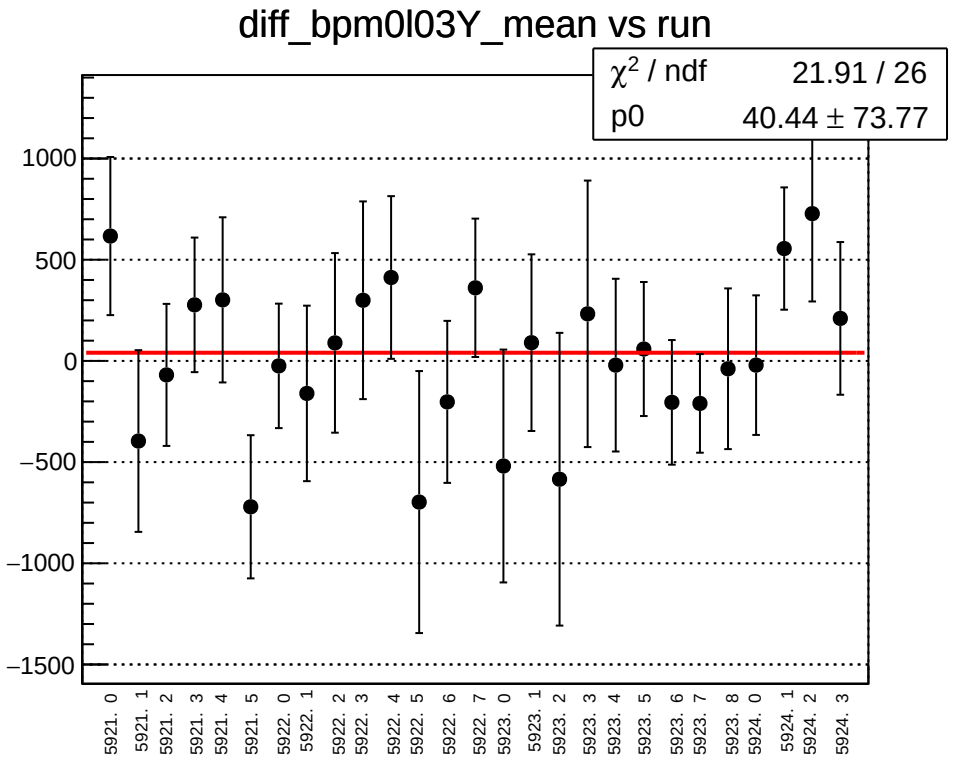

diff_bpm0l02Y_rms vs run
χ² / ndf 4430 / 26
p0 2754 ± 3.846
3400
3200
3000
2800
2600
2400
2200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

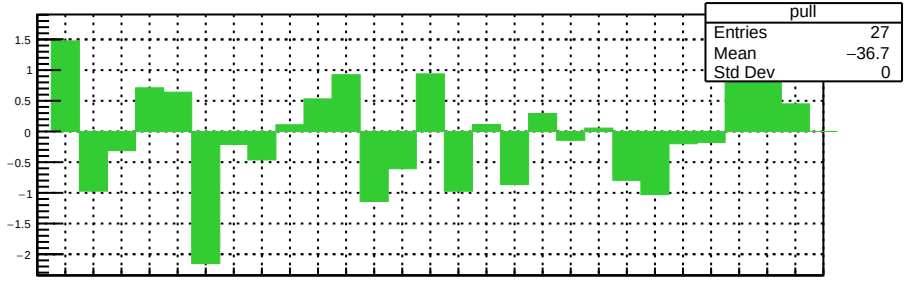

diff_bpm0l03X_mean vs run
χ² / ndf 21.92 / 26
p0 19.86 ± 74.28
1000
500
0
−500
−1000
−1500
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

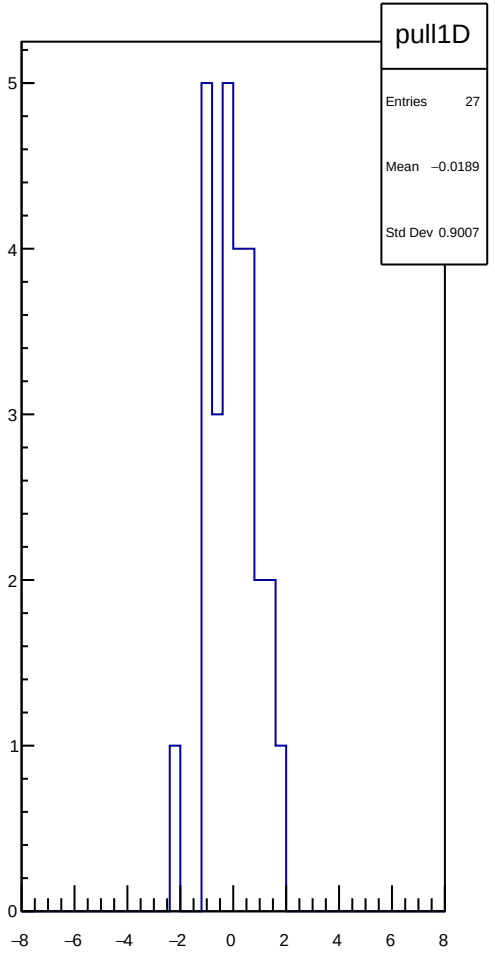

pull
Entries 27
Mean −93.38
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

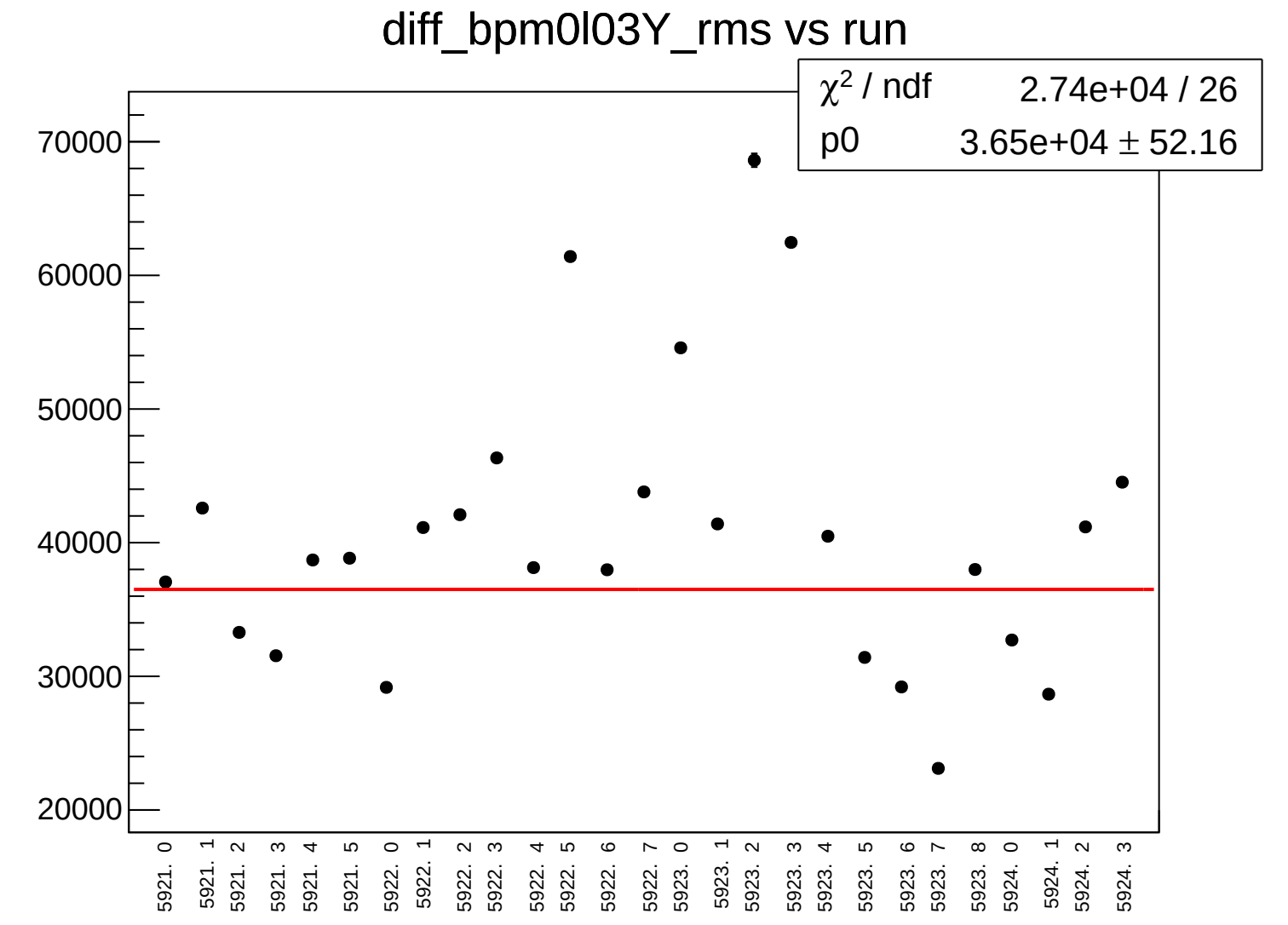

pull1D
Entries 27
Mean −0.01024
Std Dev 0.9009
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

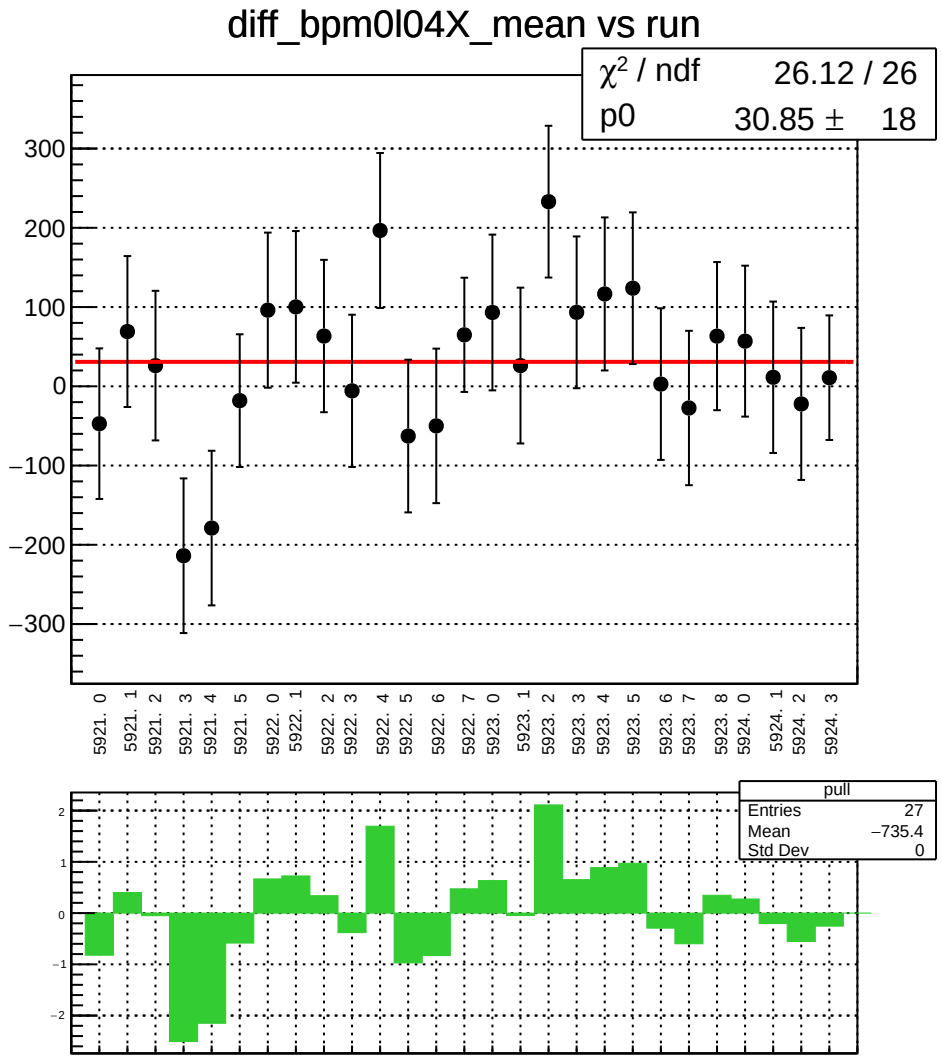

diff_bpm0l03X_rms vs run
χ² / ndf 2.671e+04 / 26
p0 3.678e+04 ± 52.52
70000
60000
50000
40000
30000
20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

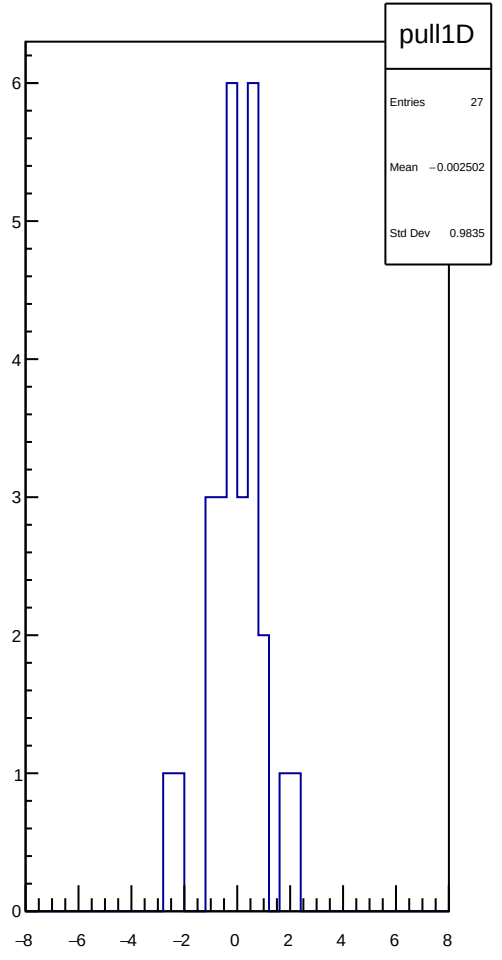

diff_bpm0l03Y_mean vs run
χ² / ndf 21.91 / 26
p0 40.44 ± 73.77
1000
500
0
−500
−1000
−1500
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

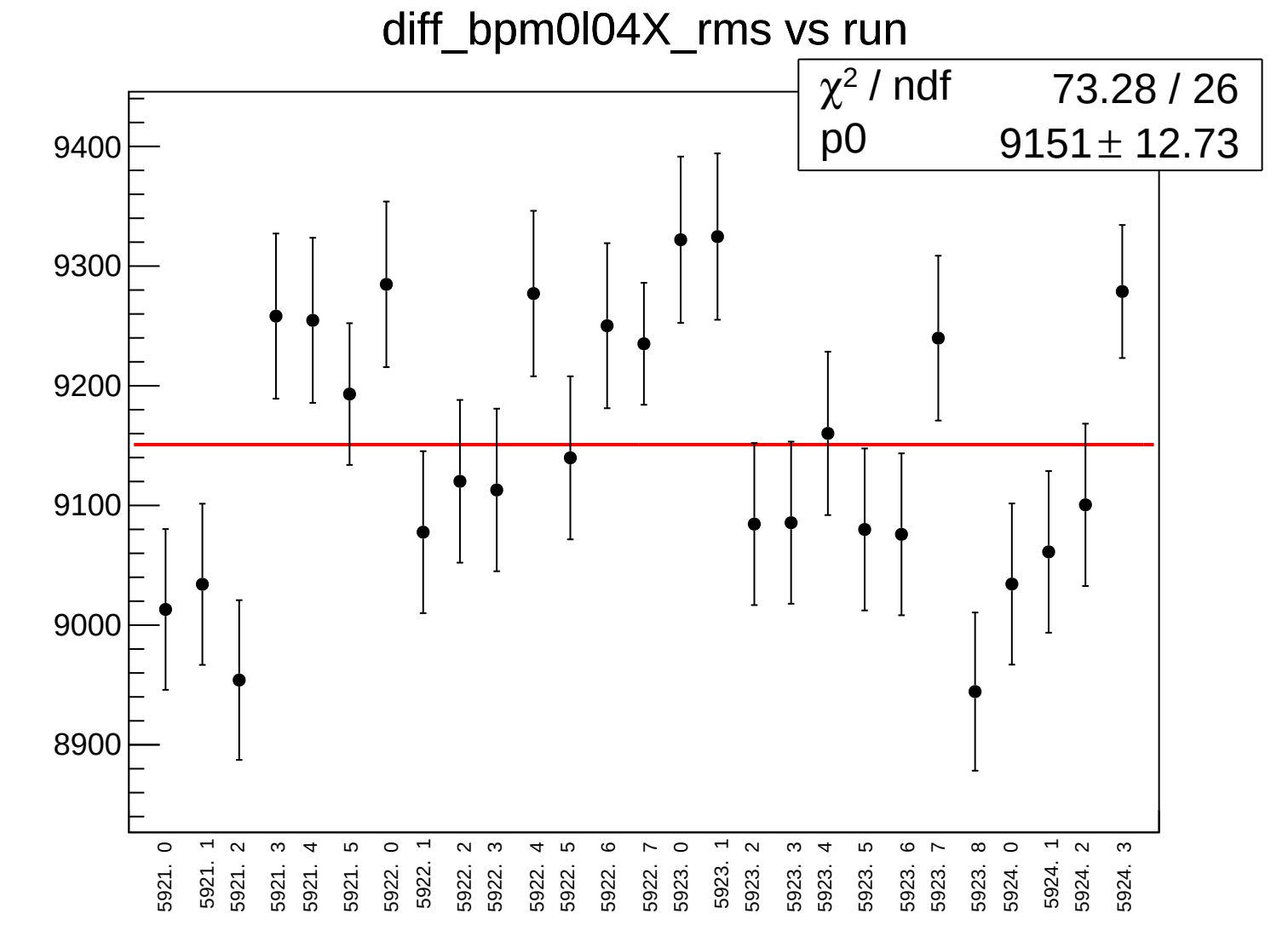

pull
Entries 27
Mean −36.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

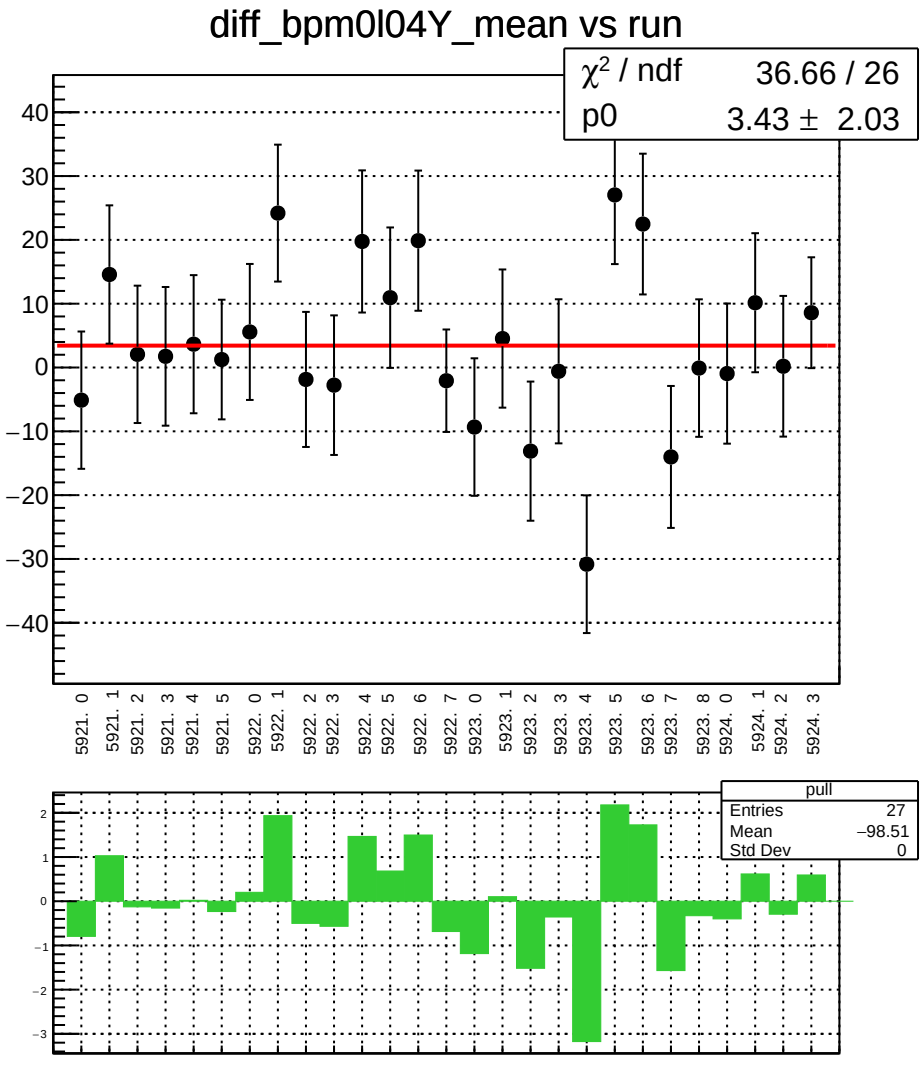

pull1D
Entries 27
Mean −0.0189
Std Dev 0.9007
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

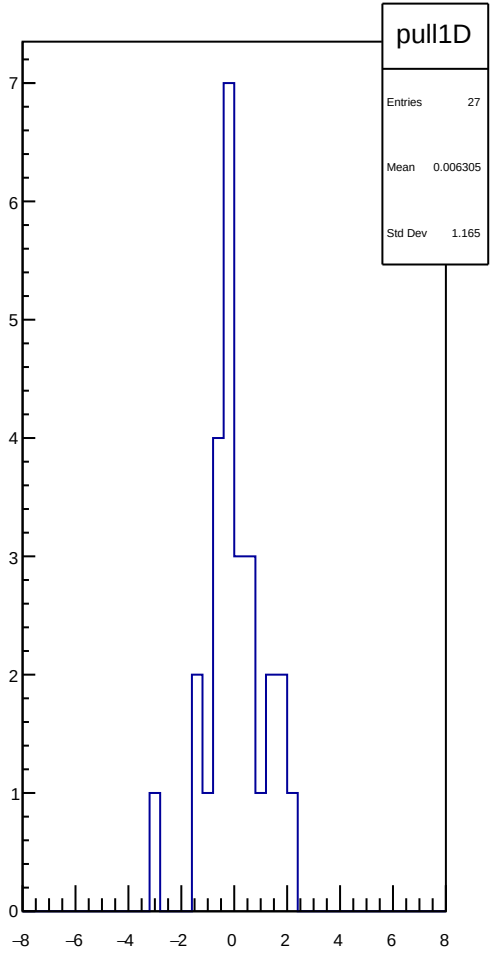

diff_bpm0l03Y_rms vs run
χ² / ndf 2.74e+04 / 26
p0 3.65e+04 ± 52.16
70000
60000
50000
40000
30000
20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

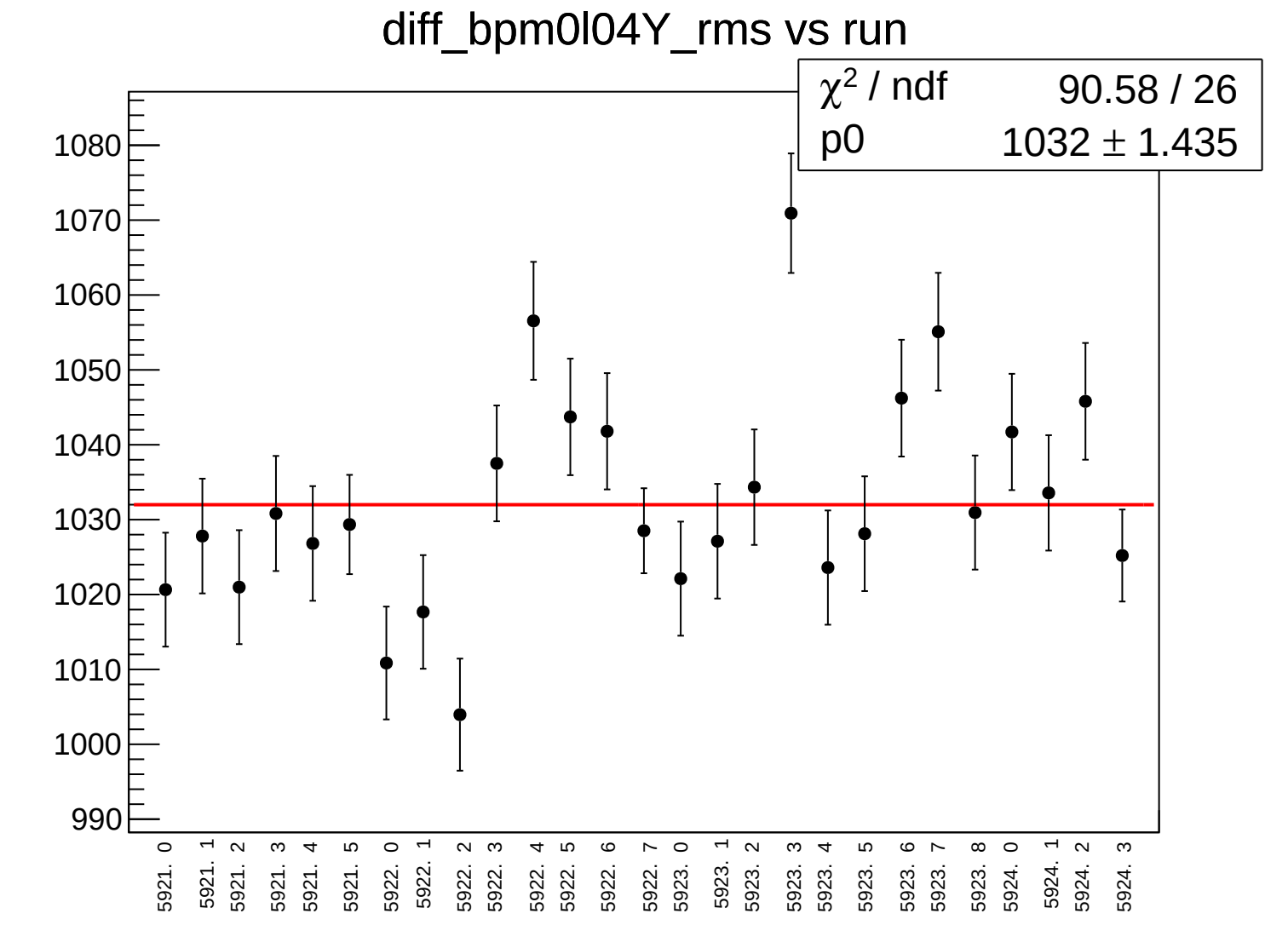

diff_bpm0l04X_mean vs run
χ² / ndf 26.12 / 26
p0 30.85 ± 18
300
200
100
0
−100
−200
−300
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −735.4
Std Dev 0
2
1
0
−1
−2

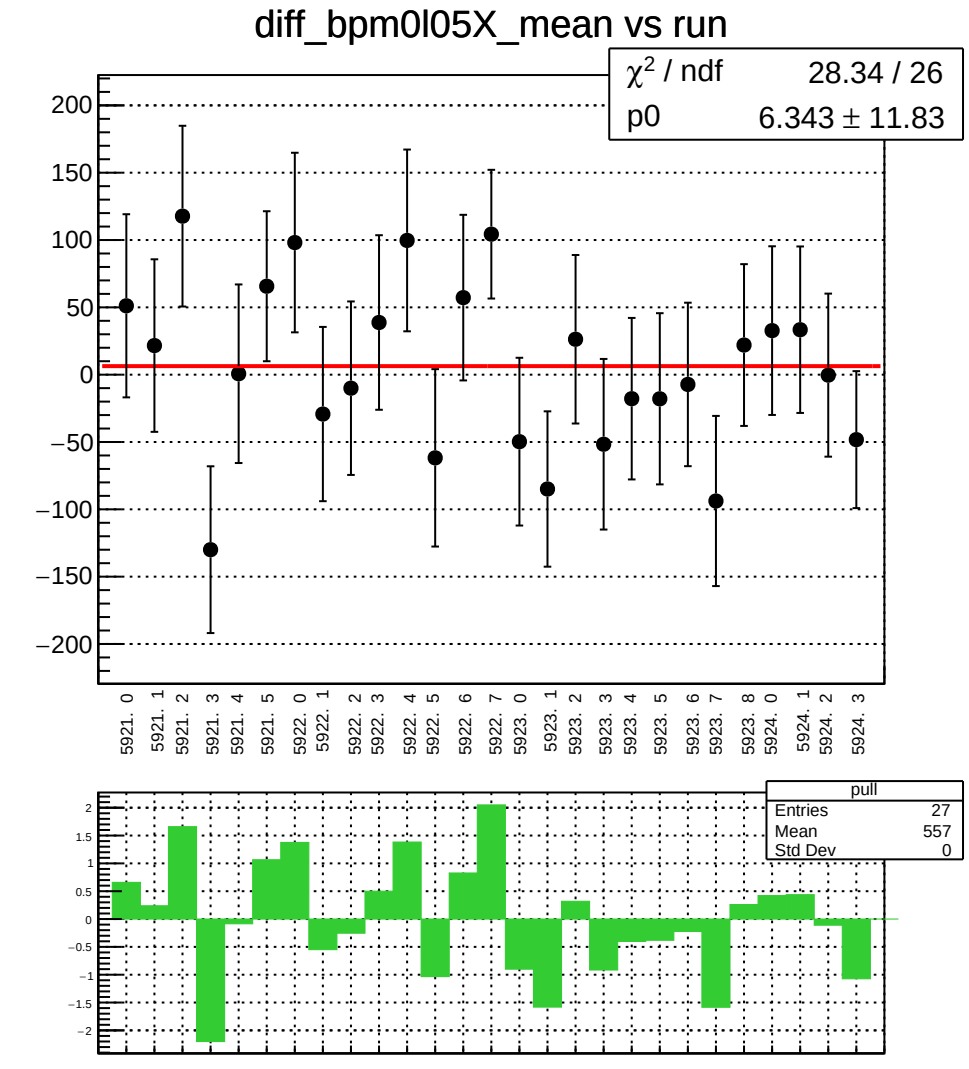

pull1D
Entries 27
Mean −0.002502
Std Dev 0.9835
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

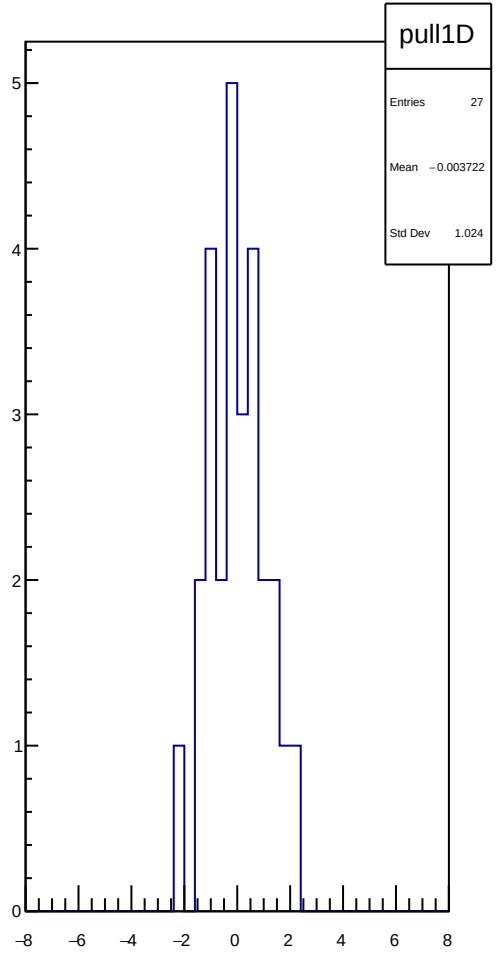

diff_bpm0l04X_rms vs run
χ² / ndf 73.28 / 26
p0 9151 ± 12.73
9400
9300
9200
9100
9000
8900
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

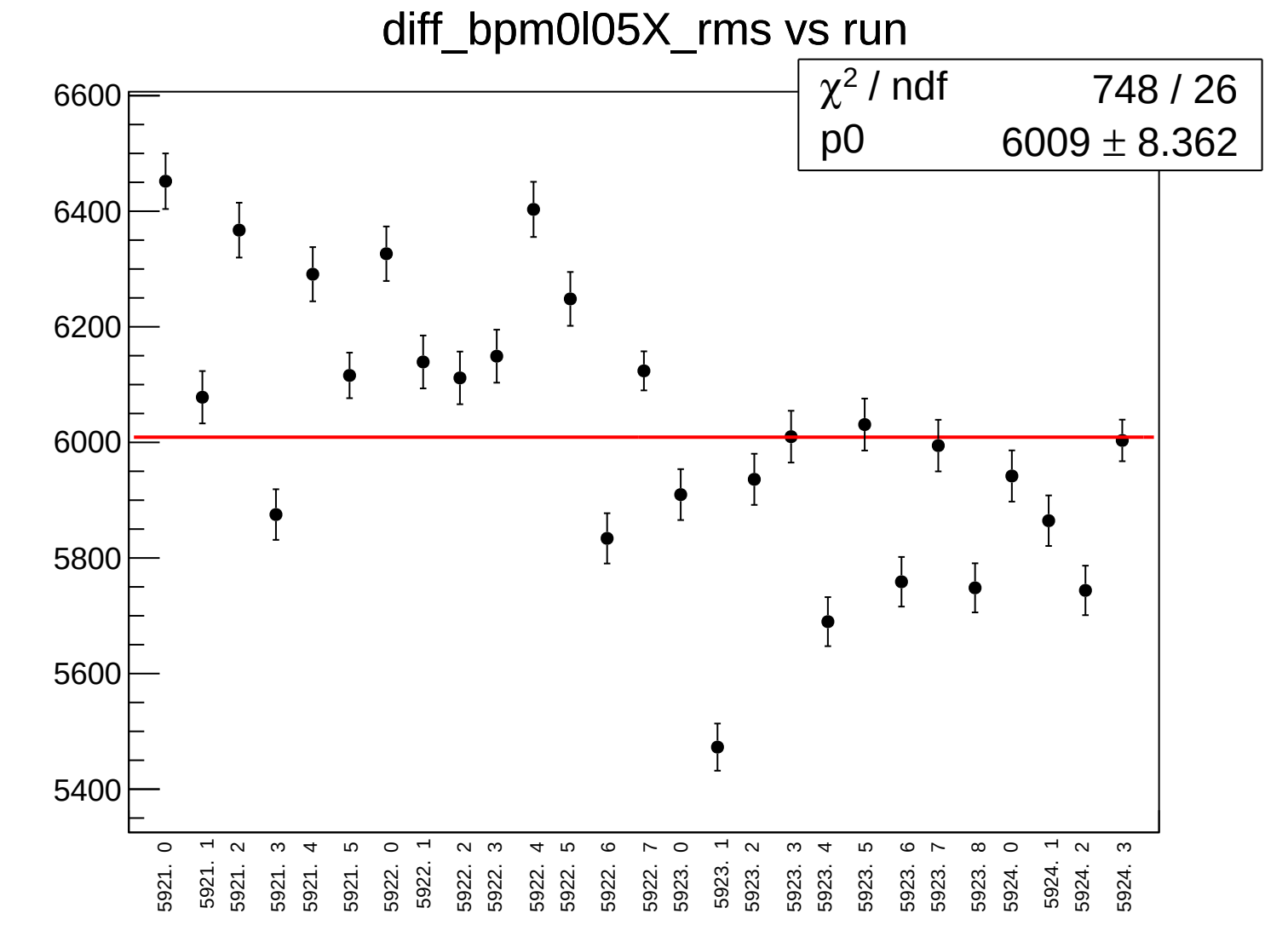

diff_bpm0l04Y_mean vs run
χ² / ndf 36.66 / 26
p0 3.43 ± 2.03
pull
Entries 27
Mean −98.51
Std Dev 0

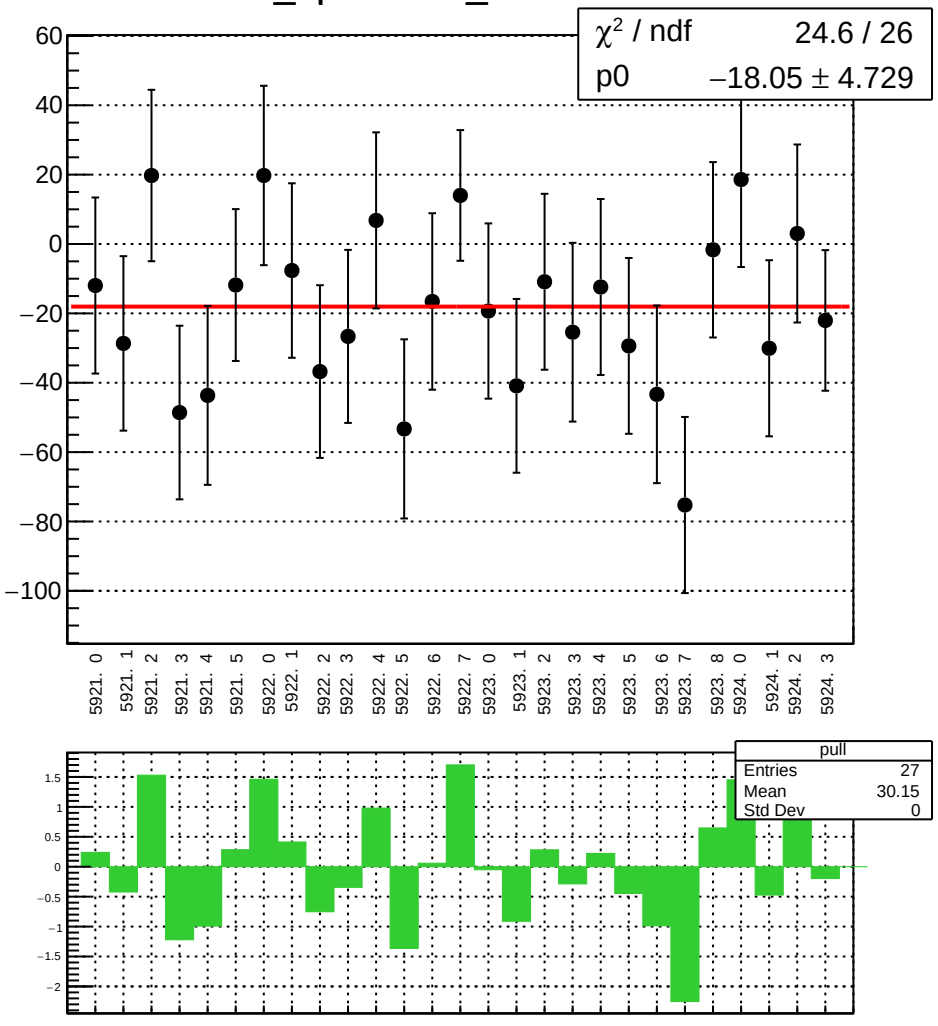

pull1D
Entries 27
Mean 0.006305
Std Dev 1.165

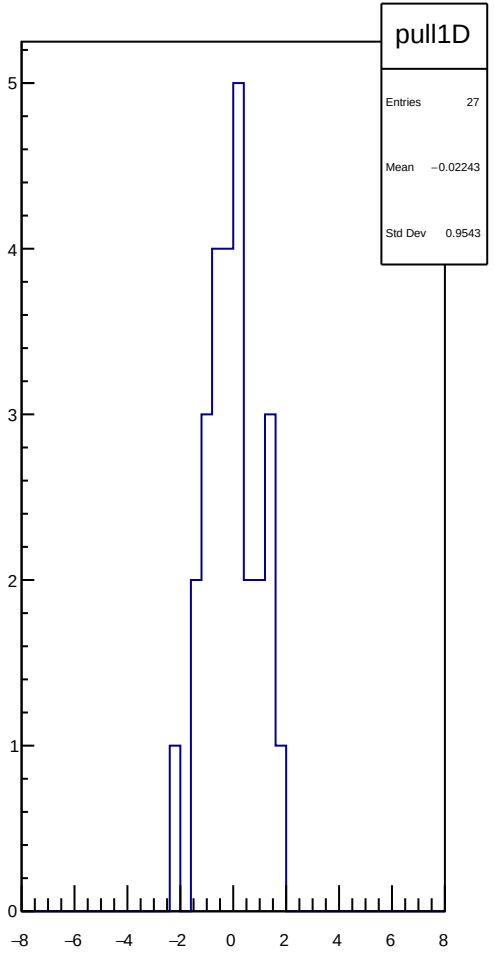

diff_bpm0l04Y_rms vs run
χ² / ndf 90.58 / 26
p0 1032 ± 1.435
1080
1070
1060
1050
1040
1030
1020
1010
1000
990
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

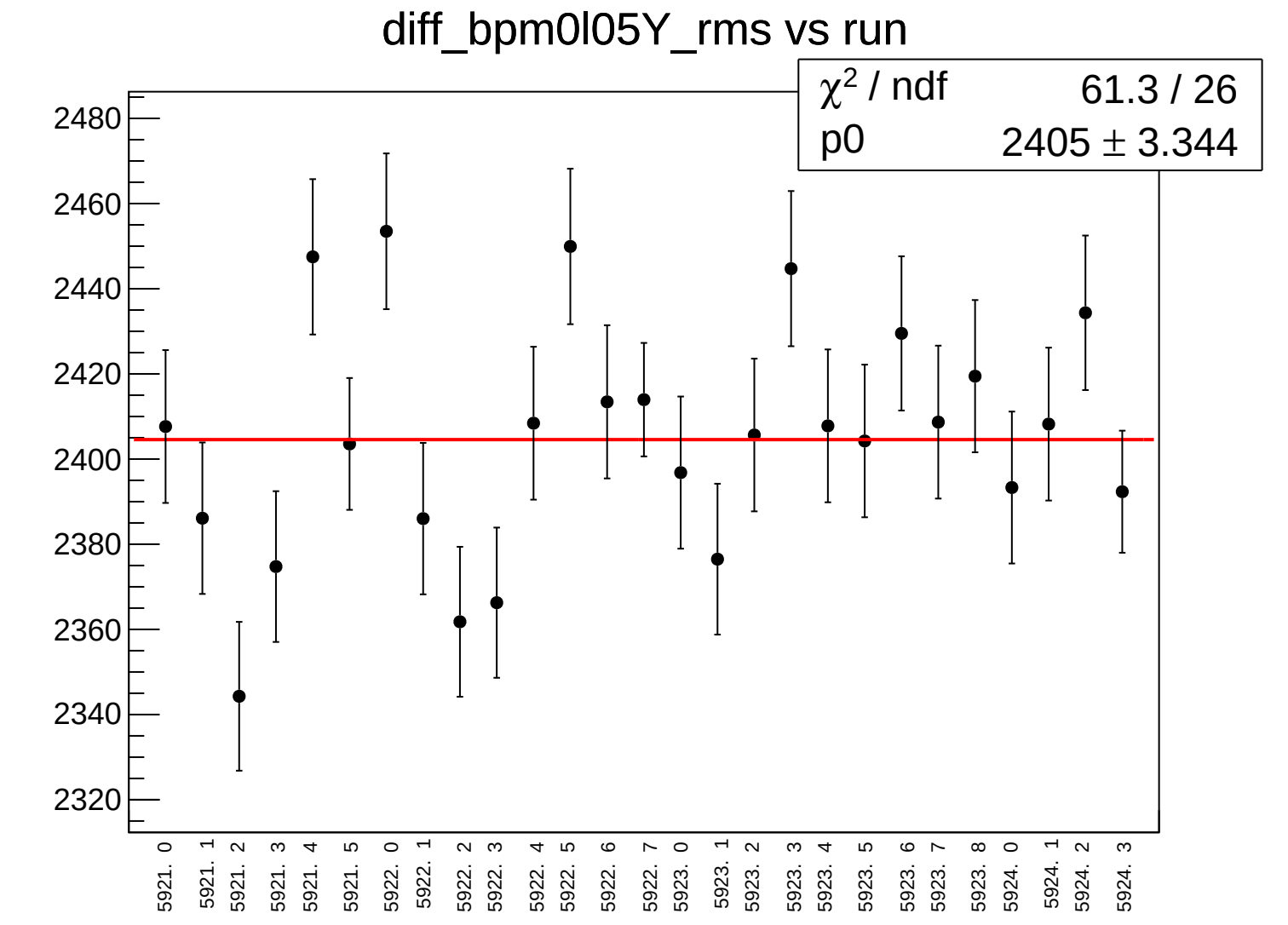

diff_bpm0l05X_mean vs run
χ² / ndf 28.34 / 26
p0 6.343 ± 11.83
200
150
100
50
0
−50
−100
−150
−200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 557
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

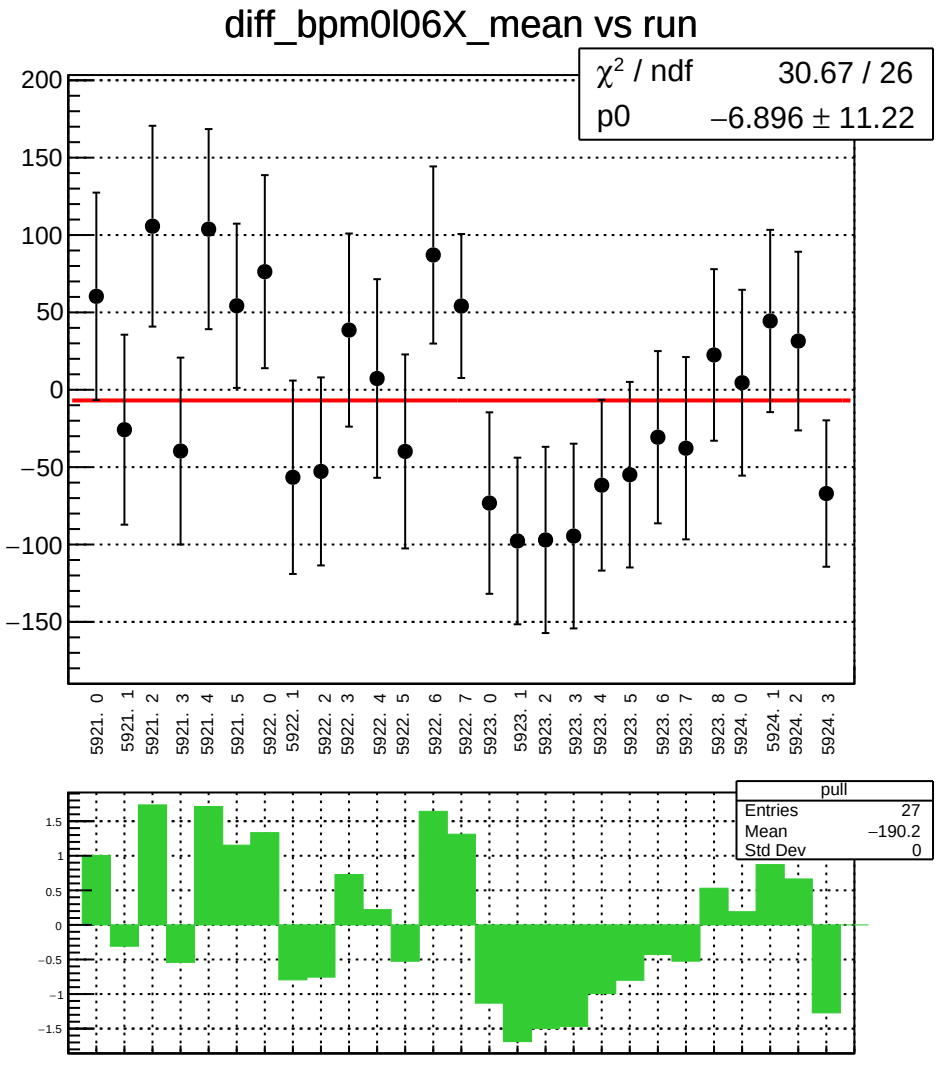

pull1D
Entries 27
Mean −0.003722
Std Dev 1.024
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

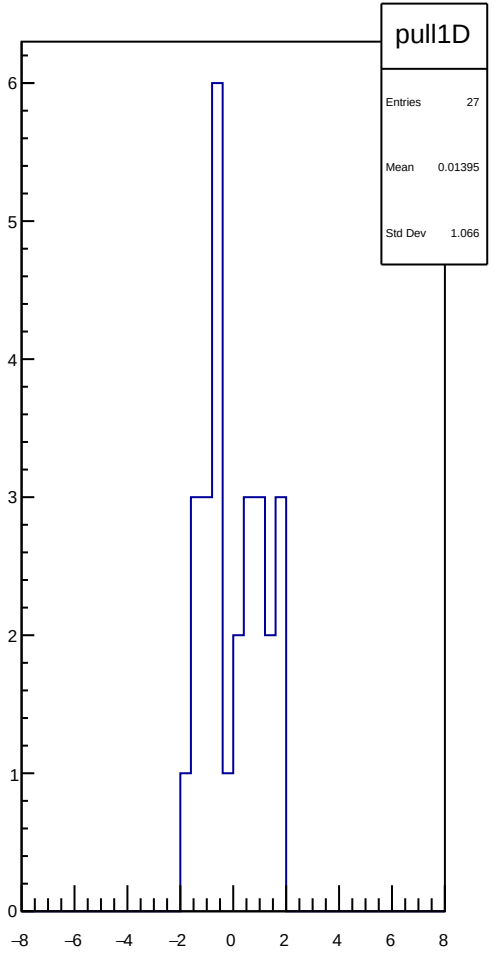

diff_bpm0l05X_rms vs run
χ² / ndf 748 / 26
p0 6009 ± 8.362
6600
6400
6200
6000
5800
5600
5400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

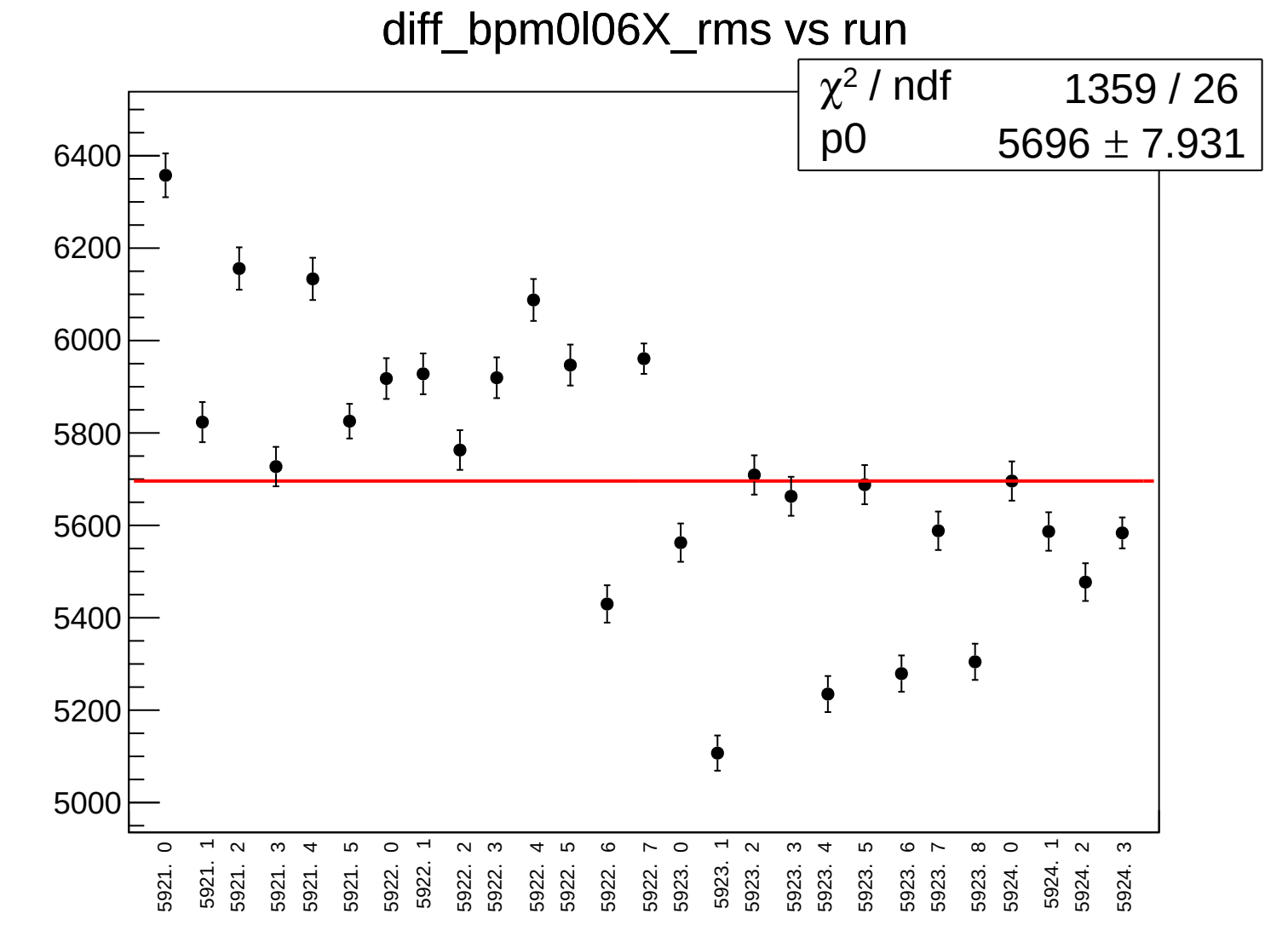

diff_bpm0l05Y_mean vs run
χ² / ndf 24.6 / 26
p0 −18.05 ± 4.729
pull
Entries 27
Mean 30.15
Std Dev 0

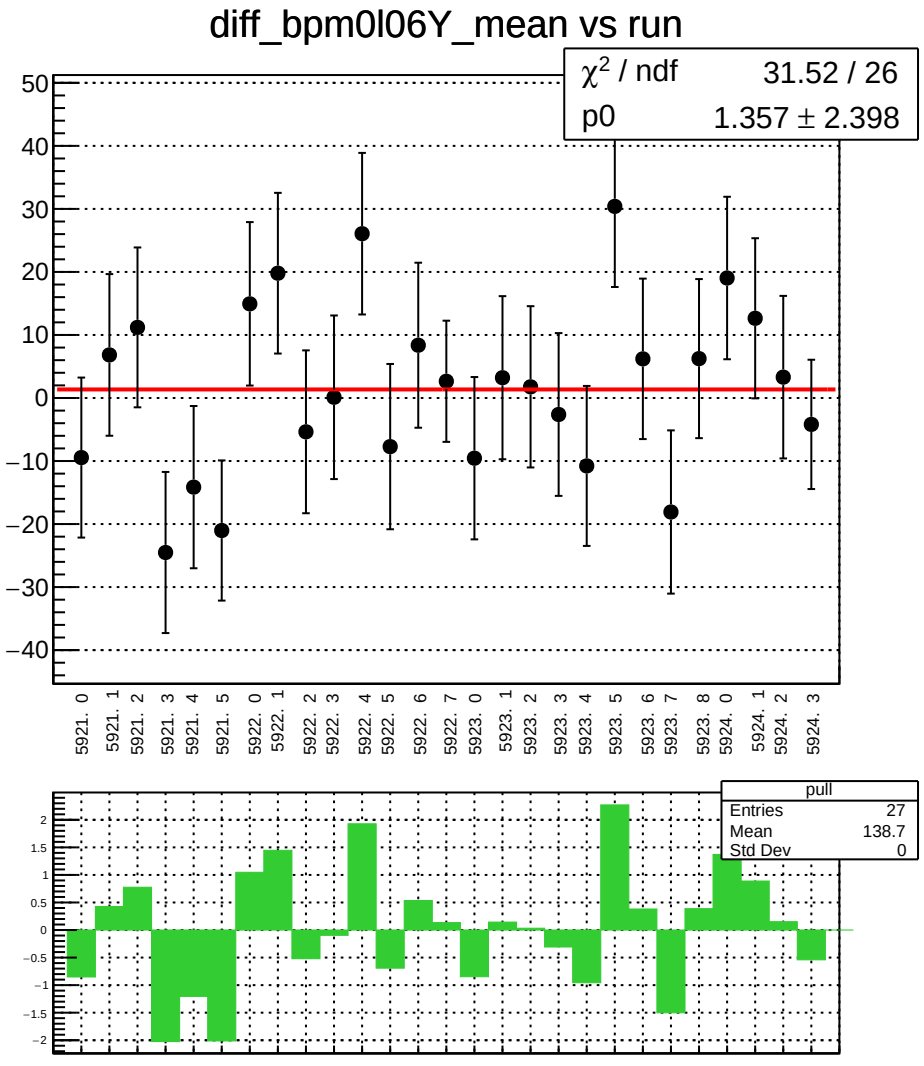

pull1D
Entries 27
Mean −0.02243
Std Dev 0.9543

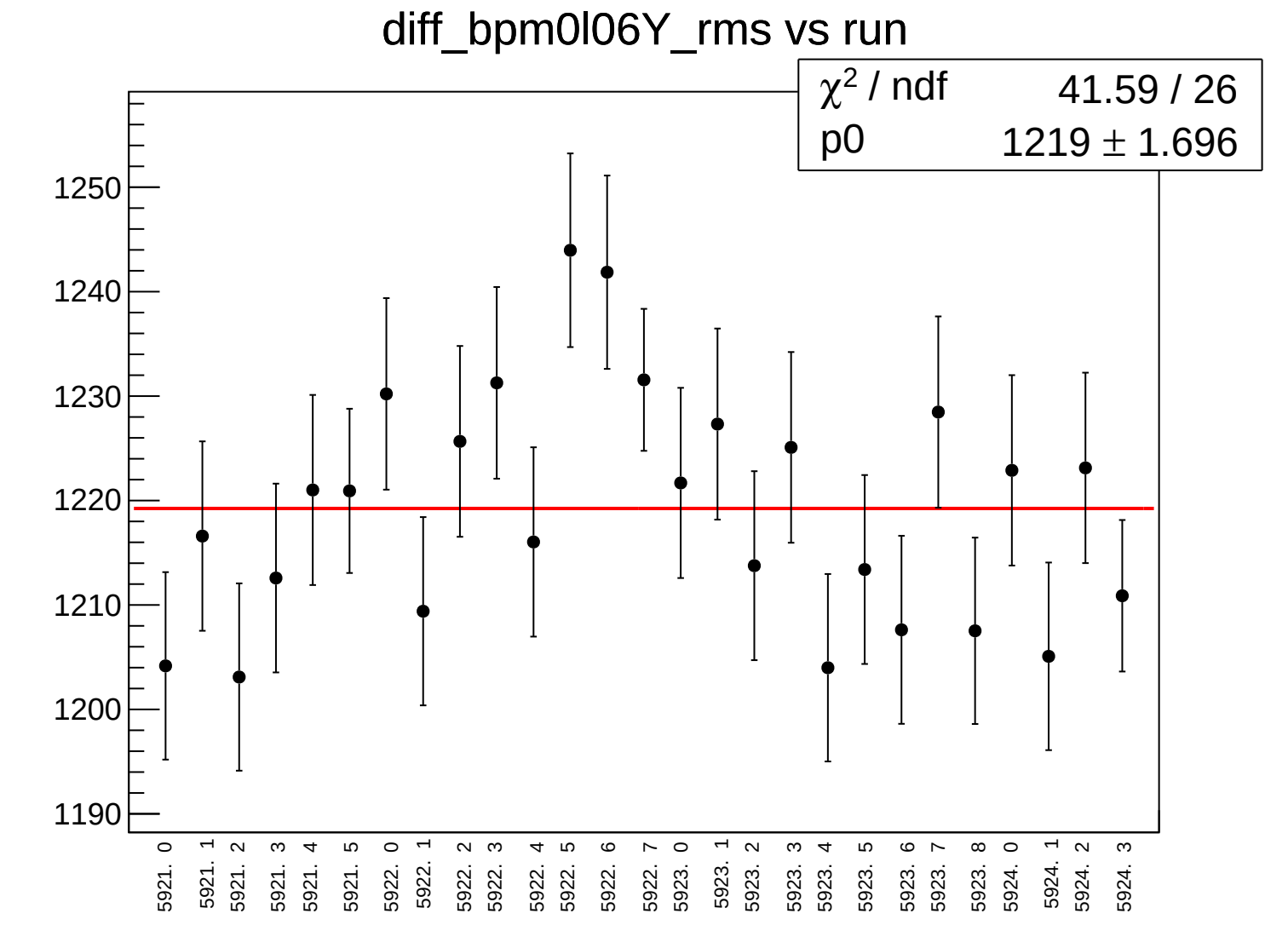

diff_bpm0l05Y_rms vs run
χ² / ndf 61.3 / 26
p0 2405 ± 3.344
2480
2460
2440
2420
2400
2380
2360
2340
2320
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

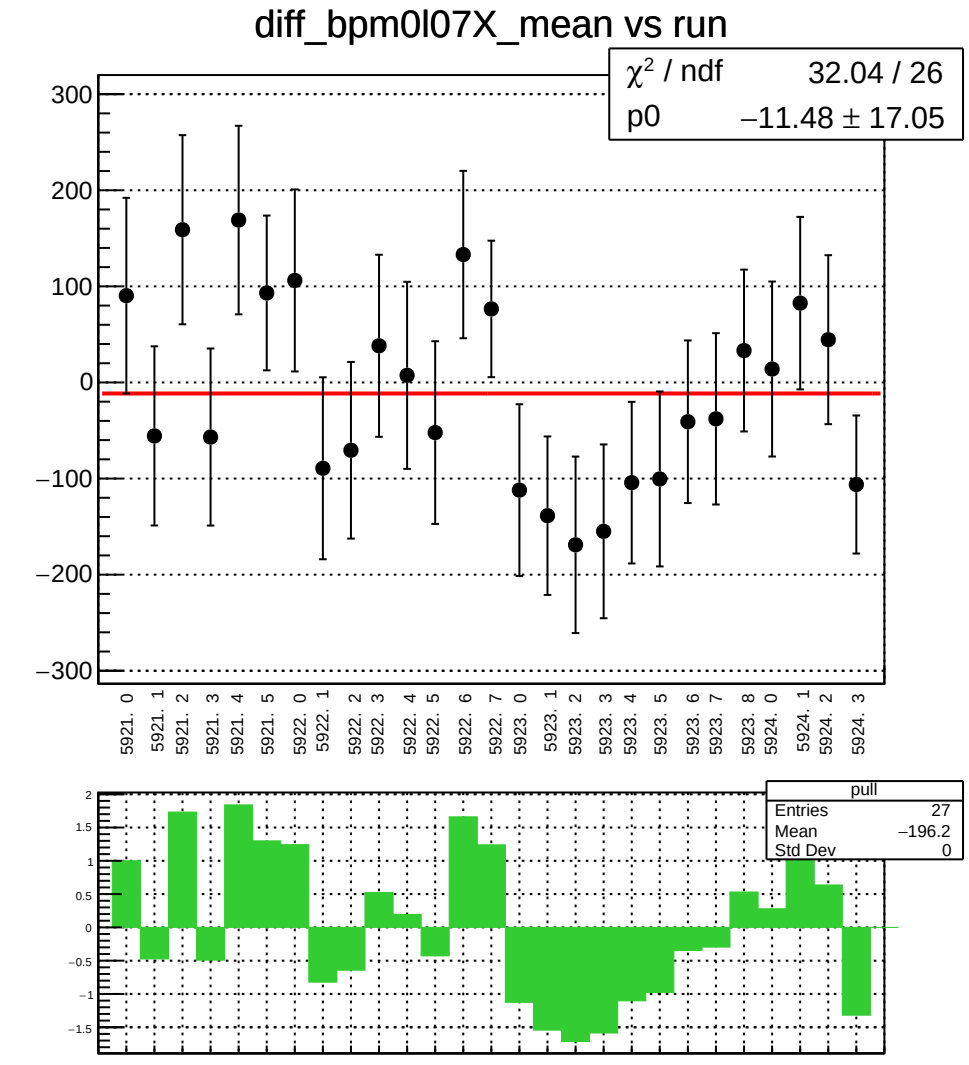

diff_bpm0l06X_mean vs run
χ^2 / ndf 30.67 / 26
p0 −6.896 ± 11.22
200
150
100
50
0
−50
−100
−150
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −190.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

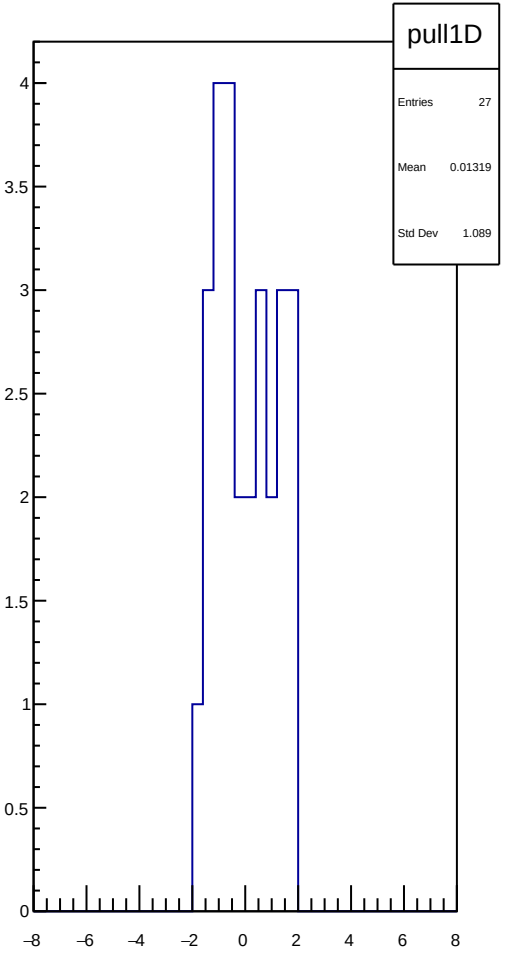

pull1D
Entries 27
Mean 0.01395
Std Dev 1.066
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

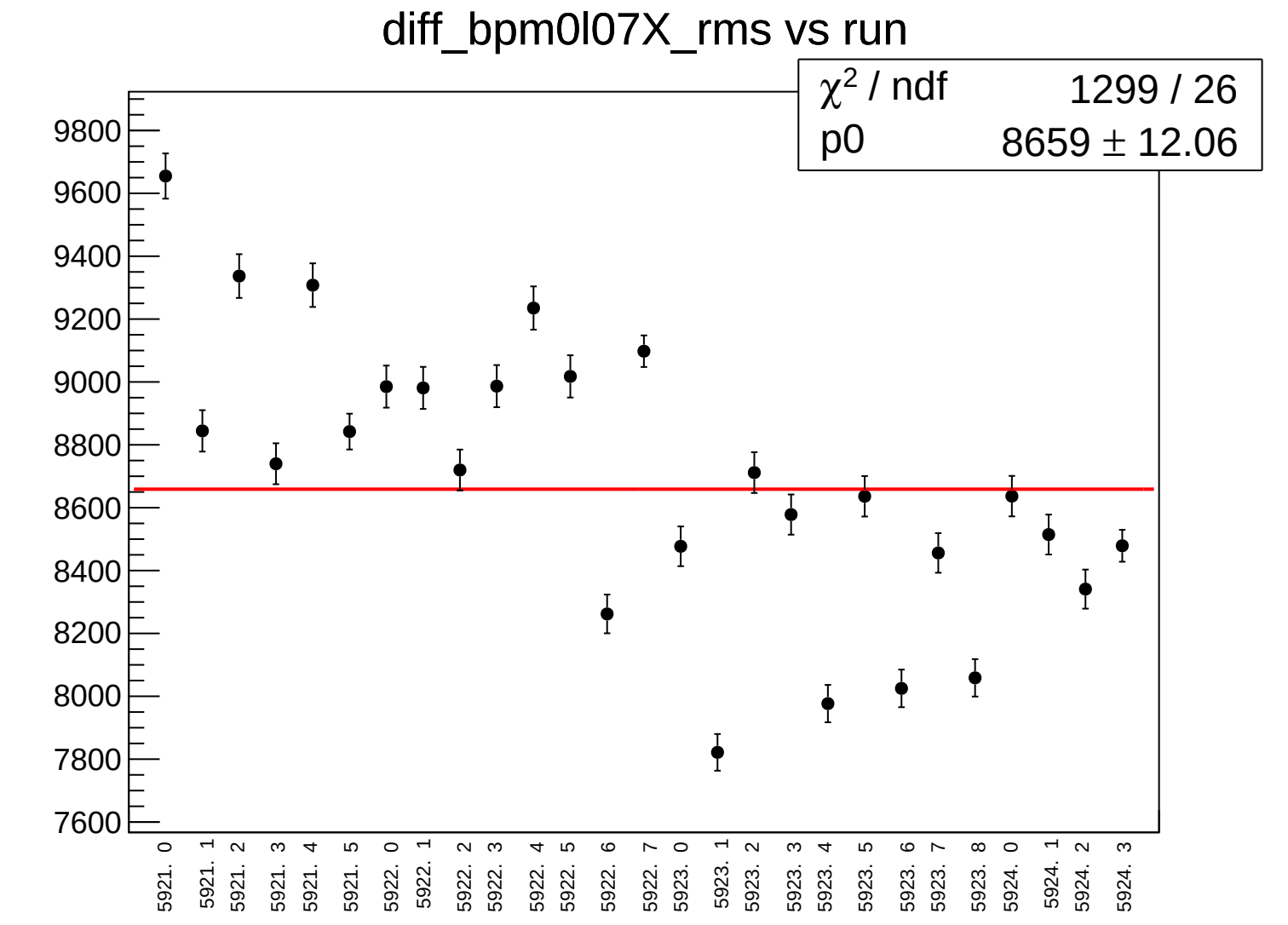

diff_bpm0l06X_rms vs run
χ² / ndf 1359 / 26
p0 5696 ± 7.931
6400
6200
6000
5800
5600
5400
5200
5000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

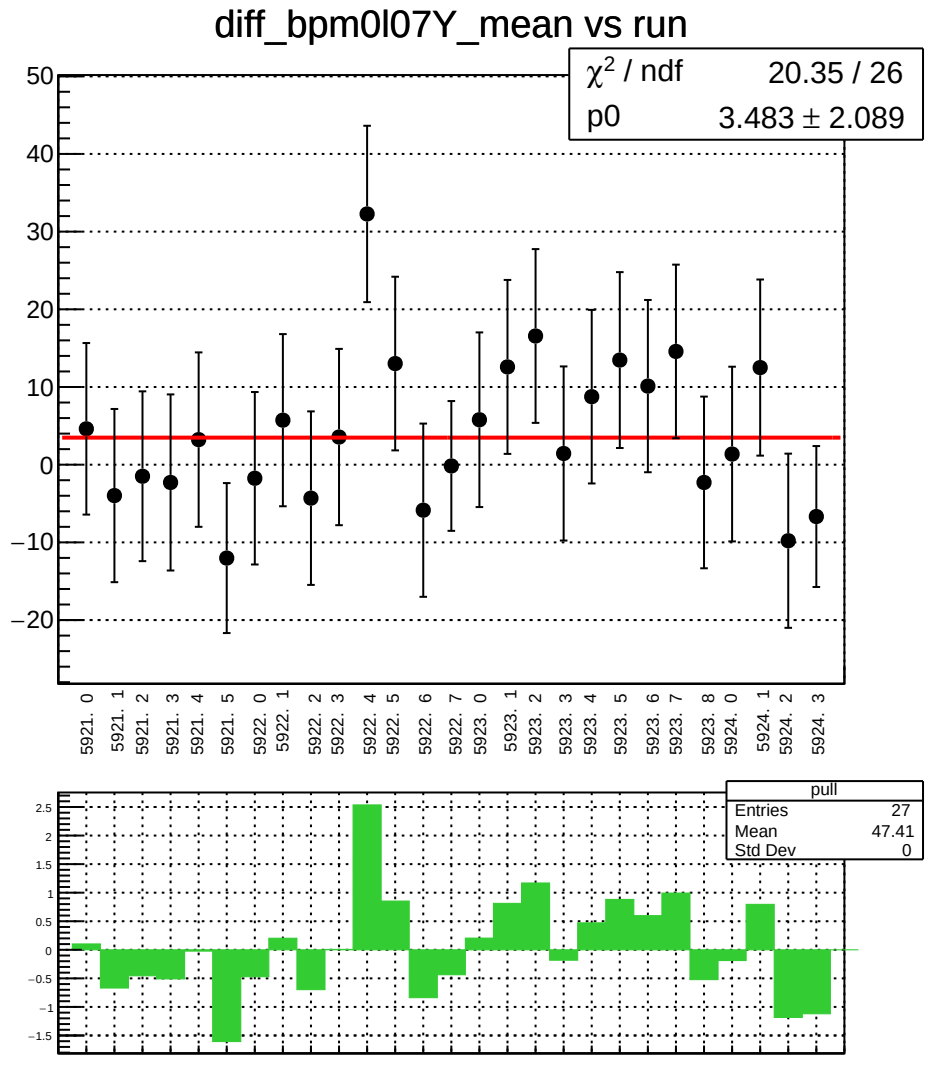

diff_bpm0l06Y_mean vs run
χ² / ndf 31.52 / 26
p0 1.357 ± 2.398
pull
Entries 27
Mean 138.7
Std Dev 0
pull1D
Entries 27
Mean 0.01367
Std Dev 1.08

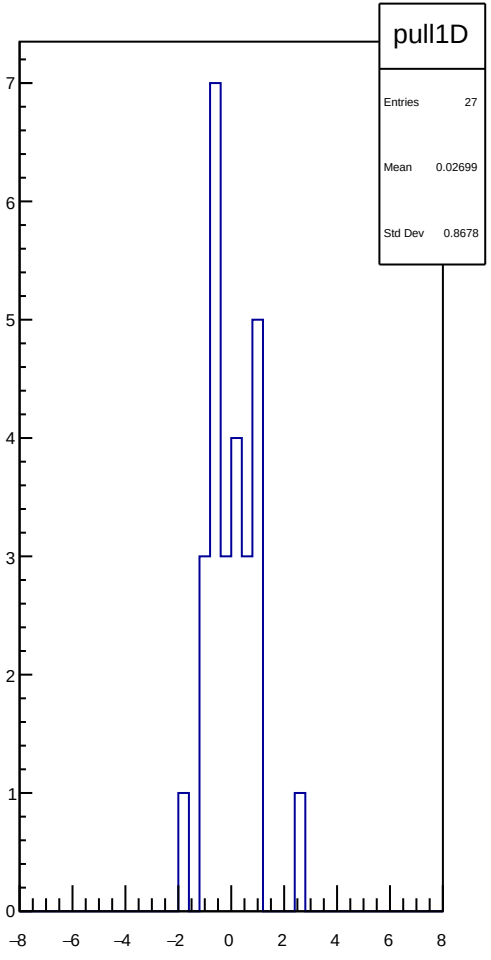

diff_bpm0l06Y_rms vs run
χ² / ndf 41.59 / 26
p0 1219 ± 1.696
1250
1240
1230
1220
1210
1200
1190
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

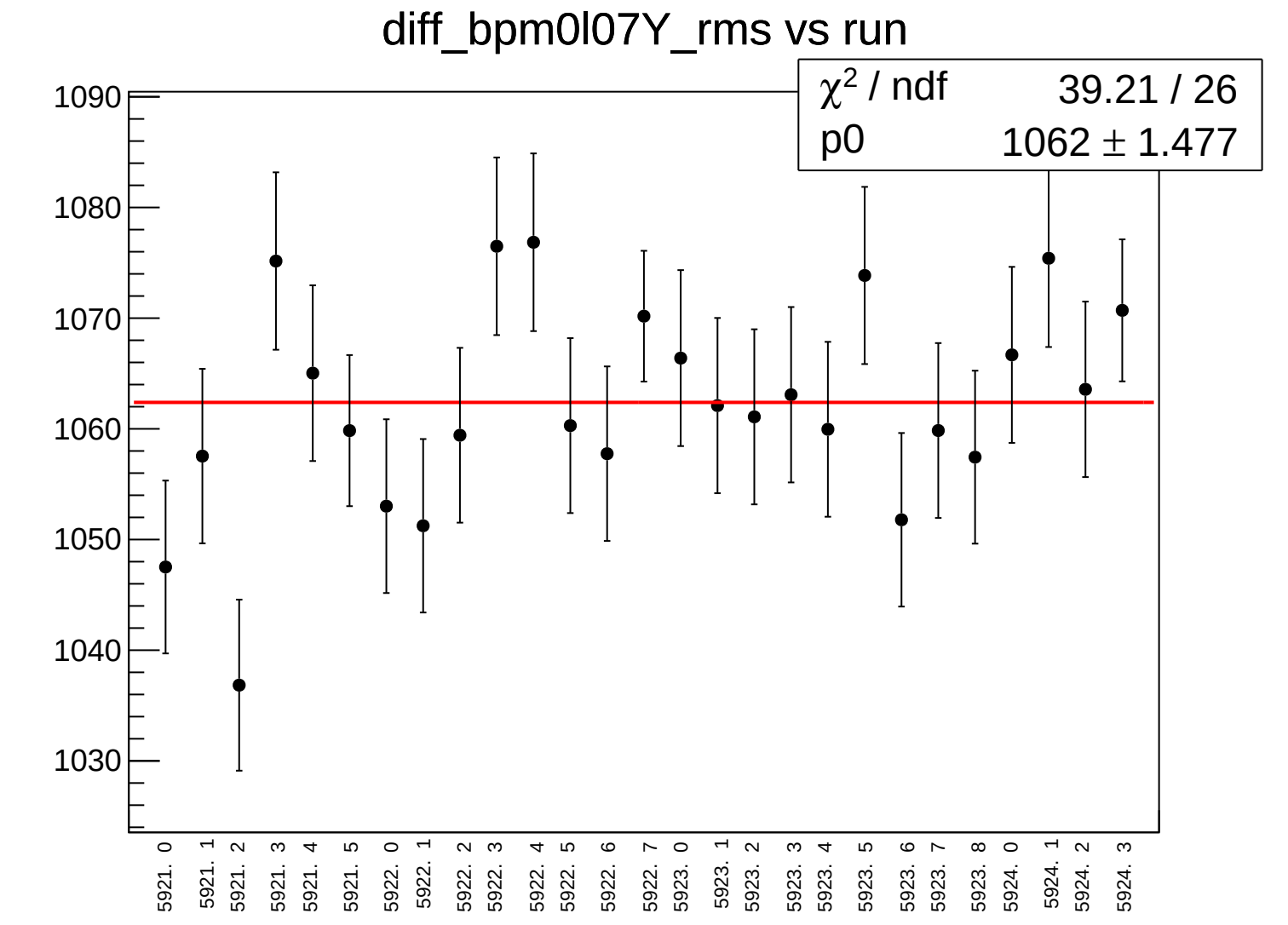

diff_bpm0l07X_mean vs run
χ² / ndf 32.04 / 26
p0 −11.48 ± 17.05
300
200
100
0
−100
−200
−300
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −196.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

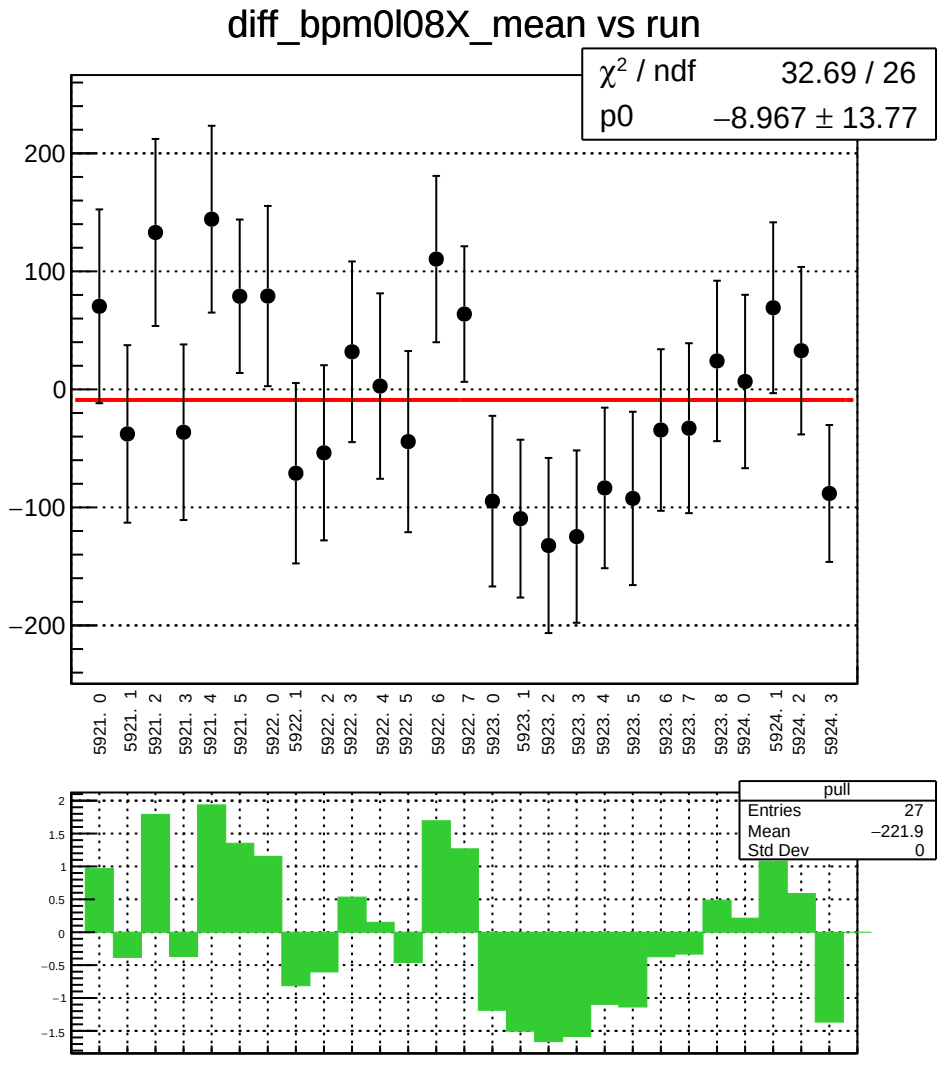

pull1D
Entries 27
Mean 0.01319
Std Dev 1.089
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

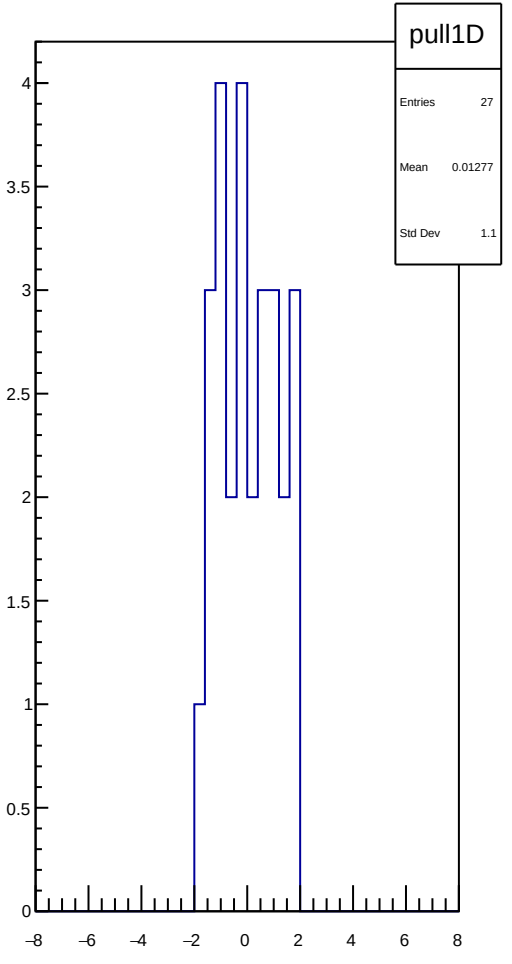

diff_bpm0l07X_rms vs run
χ² / ndf 1299 / 26
p0 8659 ± 12.06
9800
9600
9400
9200
9000
8800
8600
8400
8200
8000
7800
7600
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

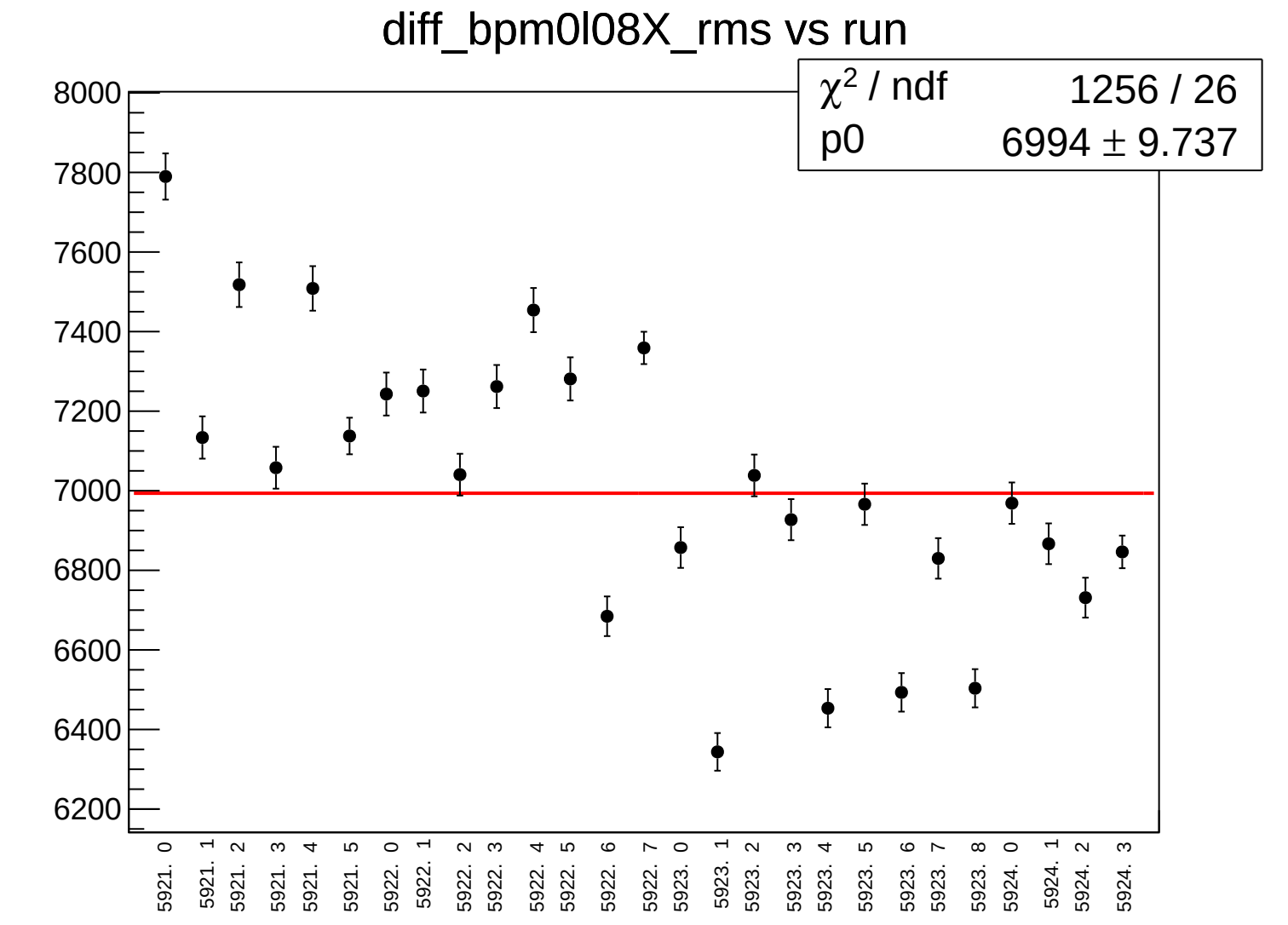

diff_bpm0l07Y_mean vs run
χ² / ndf 20.35 / 26
p0 3.483 ± 2.089
pull
Entries 27
Mean 47.41
Std Dev 0

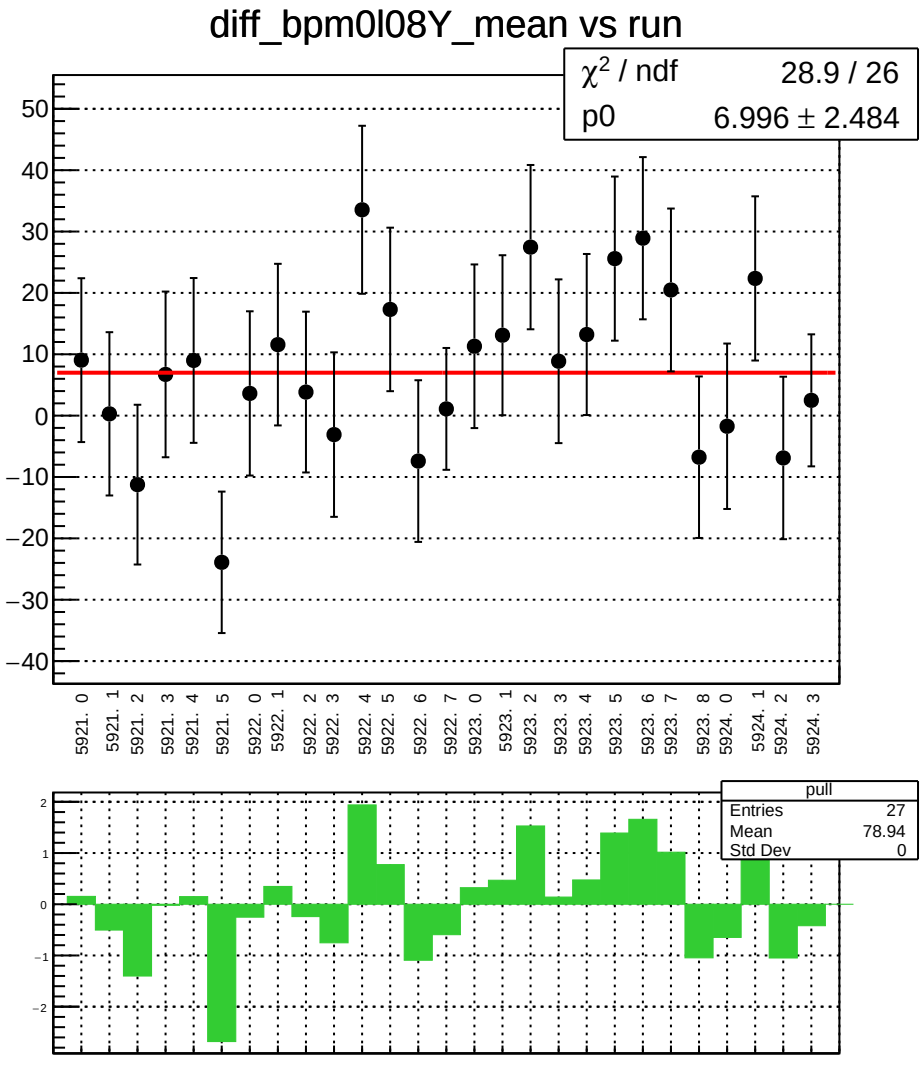

pull1D
Entries 27
Mean 0.02699
Std Dev 0.8678

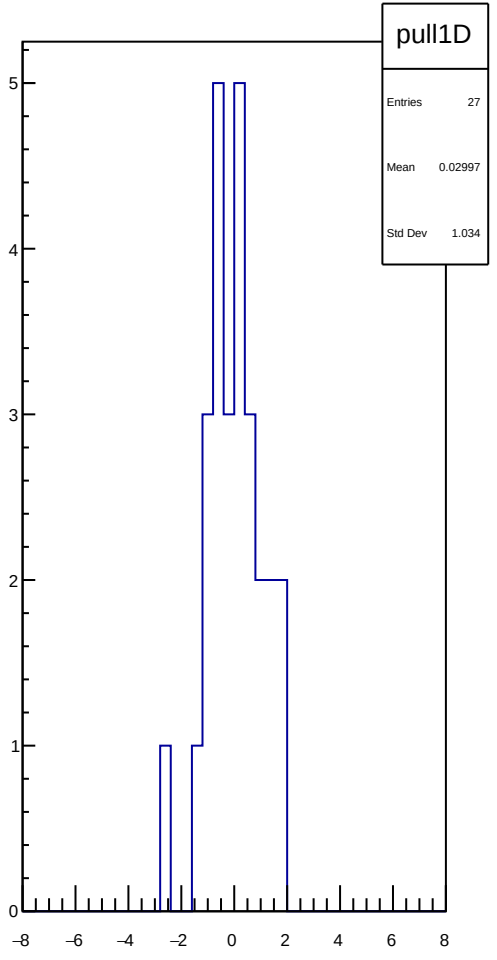

diff_bpm0l07Y_rms vs run
χ² / ndf 39.21 / 26
p0 1062 ± 1.477
1090
1080
1070
1060
1050
1040
1030
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

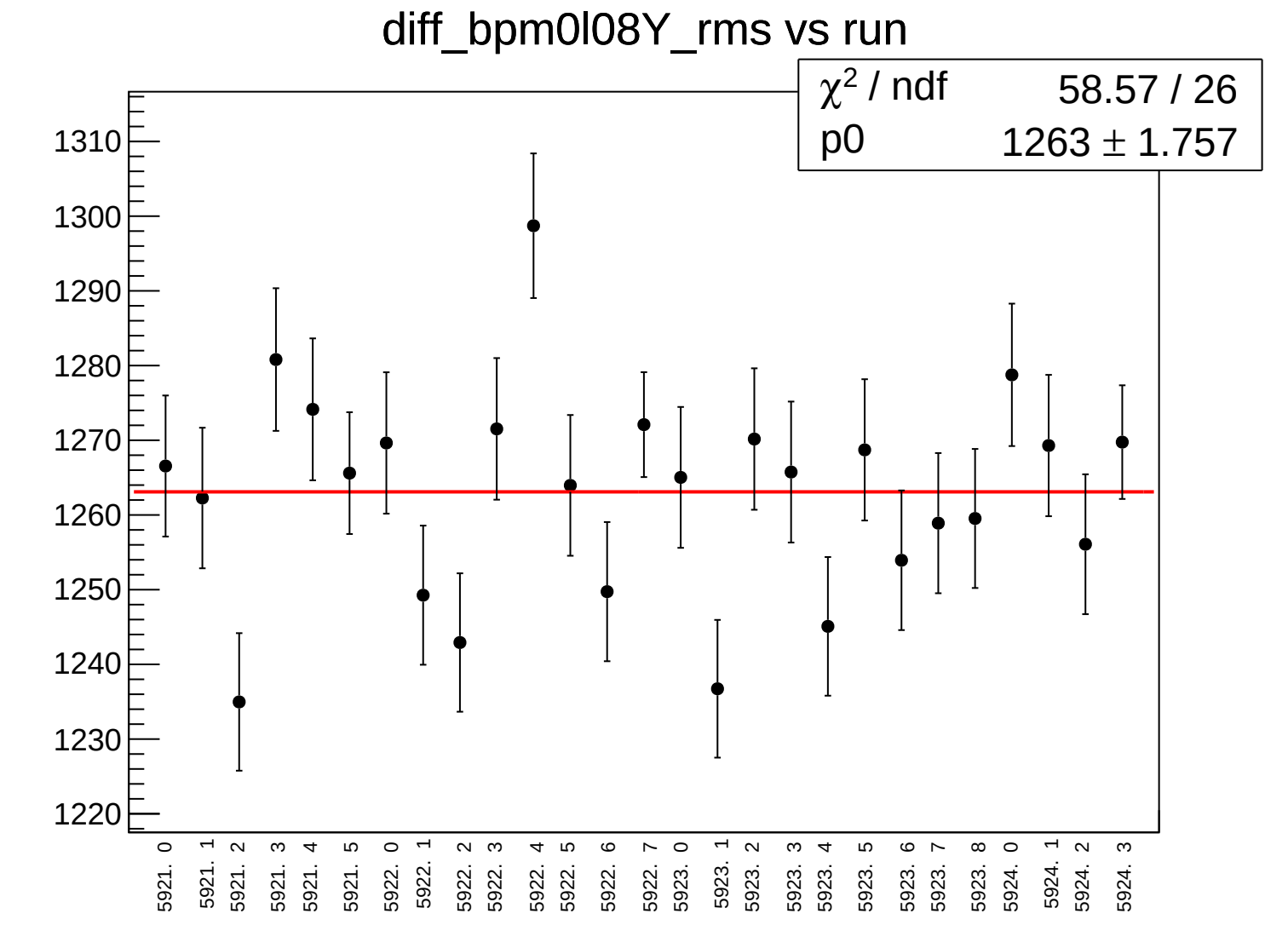

diff_bpm0l08X_mean vs run
χ² / ndf 32.69 / 26
p0 −8.967 ± 13.77
200
100
0
−100
−200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −221.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

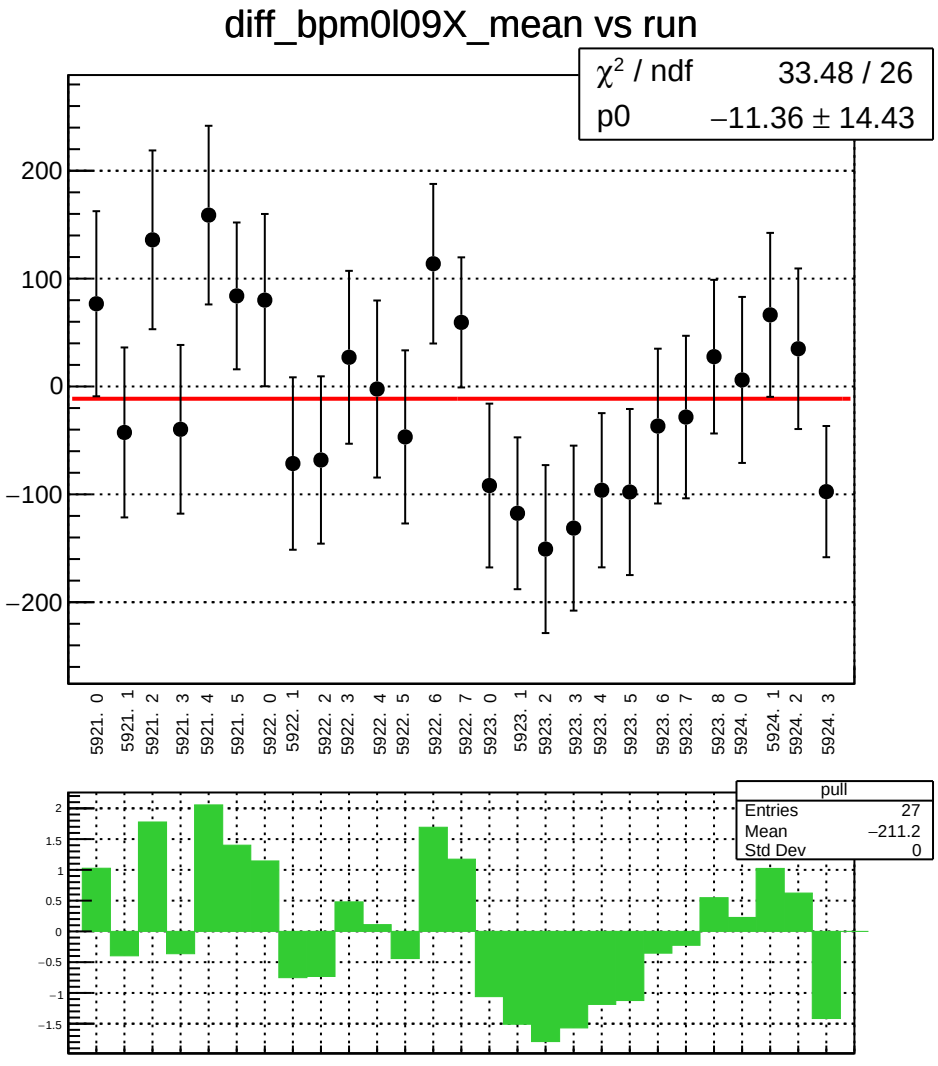

pull1D
Entries 27
Mean 0.01277
Std Dev 1.1
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

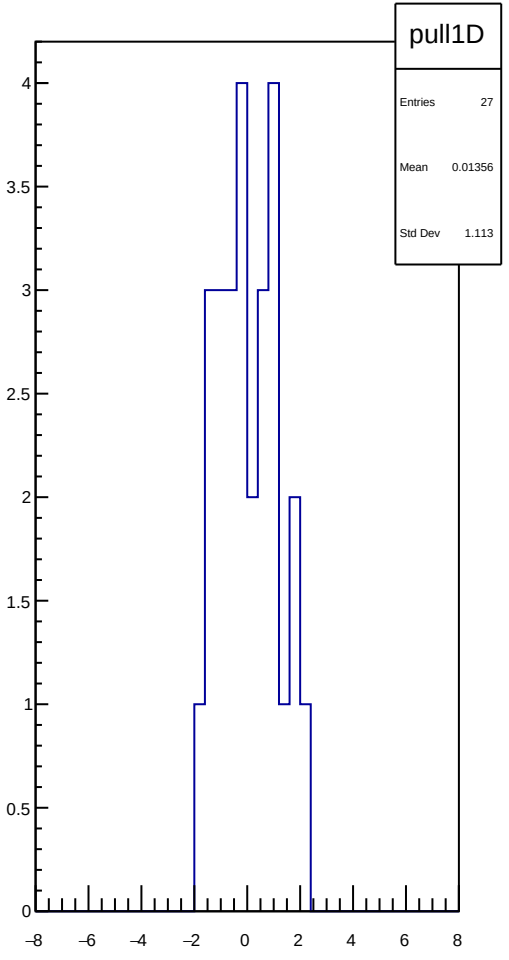

diff_bpm0l08X_rms vs run
χ² / ndf 1256 / 26
p0 6994 ± 9.737
8000
7800
7600
7400
7200
7000
6800
6600
6400
6200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

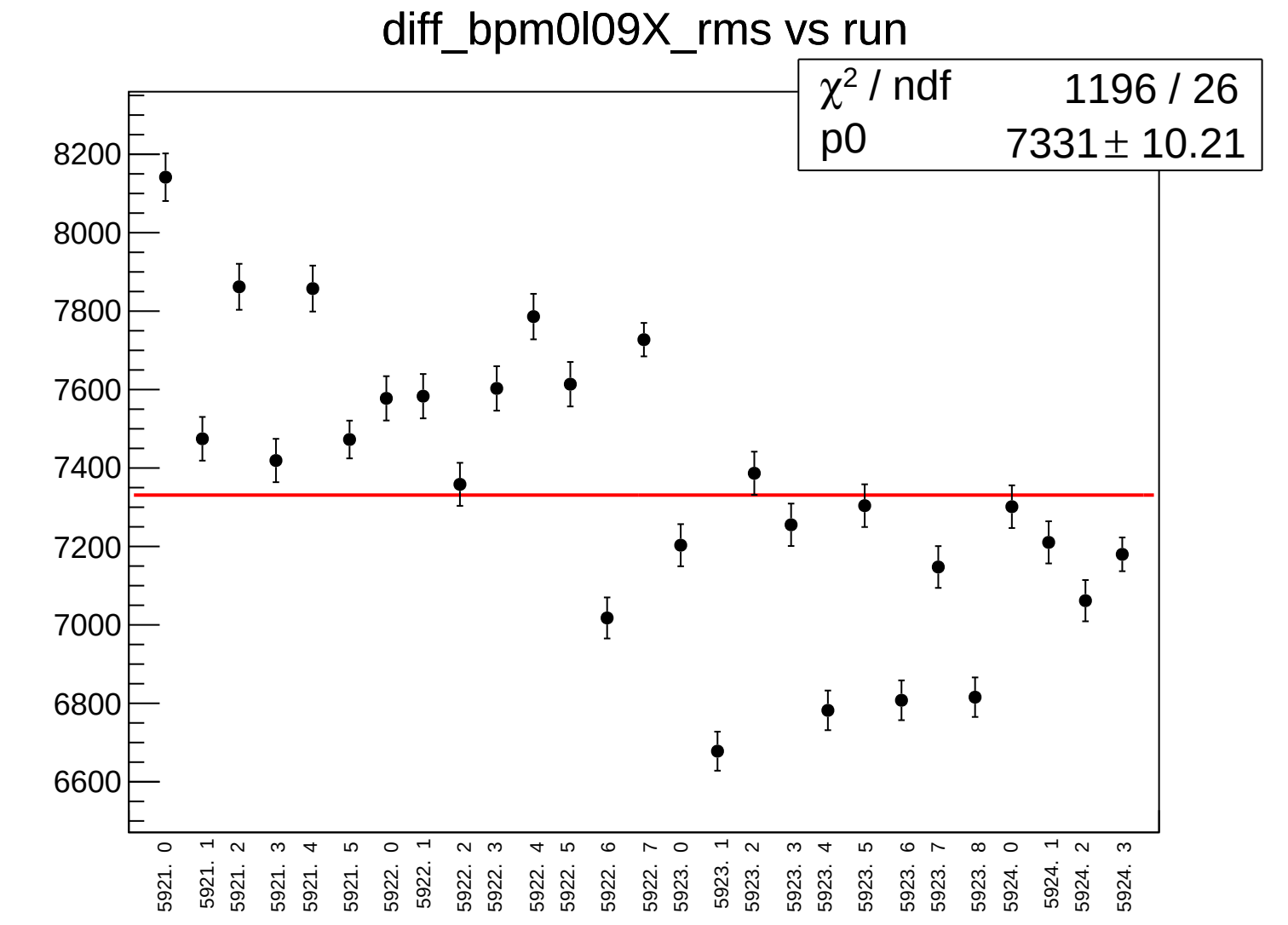

diff_bpm0l08Y_mean vs run
χ² / ndf 28.9 / 26
p0 6.996 ± 2.484
pull
Entries 27
Mean 78.94
Std Dev 0

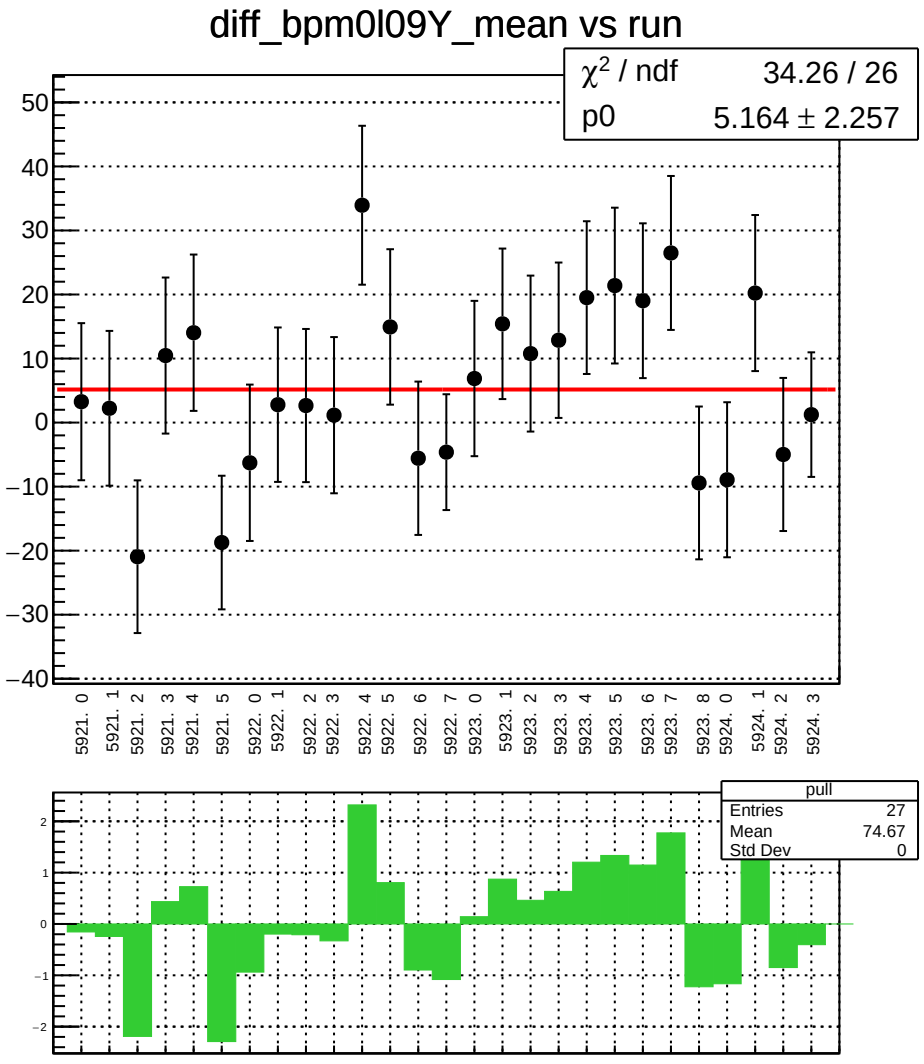

pull1D
Entries 27
Mean 0.02997
Std Dev 1.034

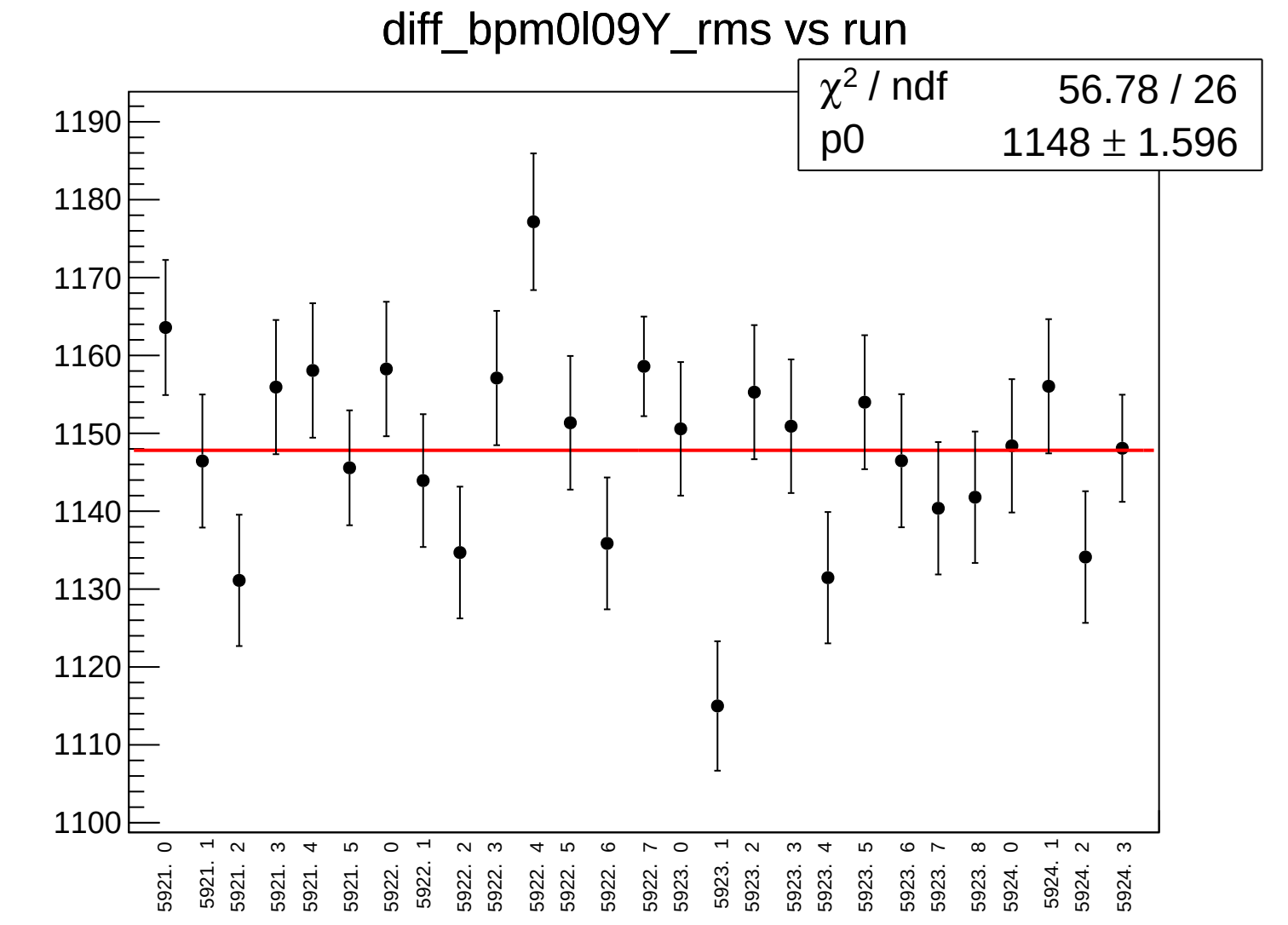

diff_bpm0l08Y_rms vs run
χ² / ndf 58.57 / 26
p0 1263 ± 1.757
1310
1300
1290
1280
1270
1260
1250
1240
1230
1220
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

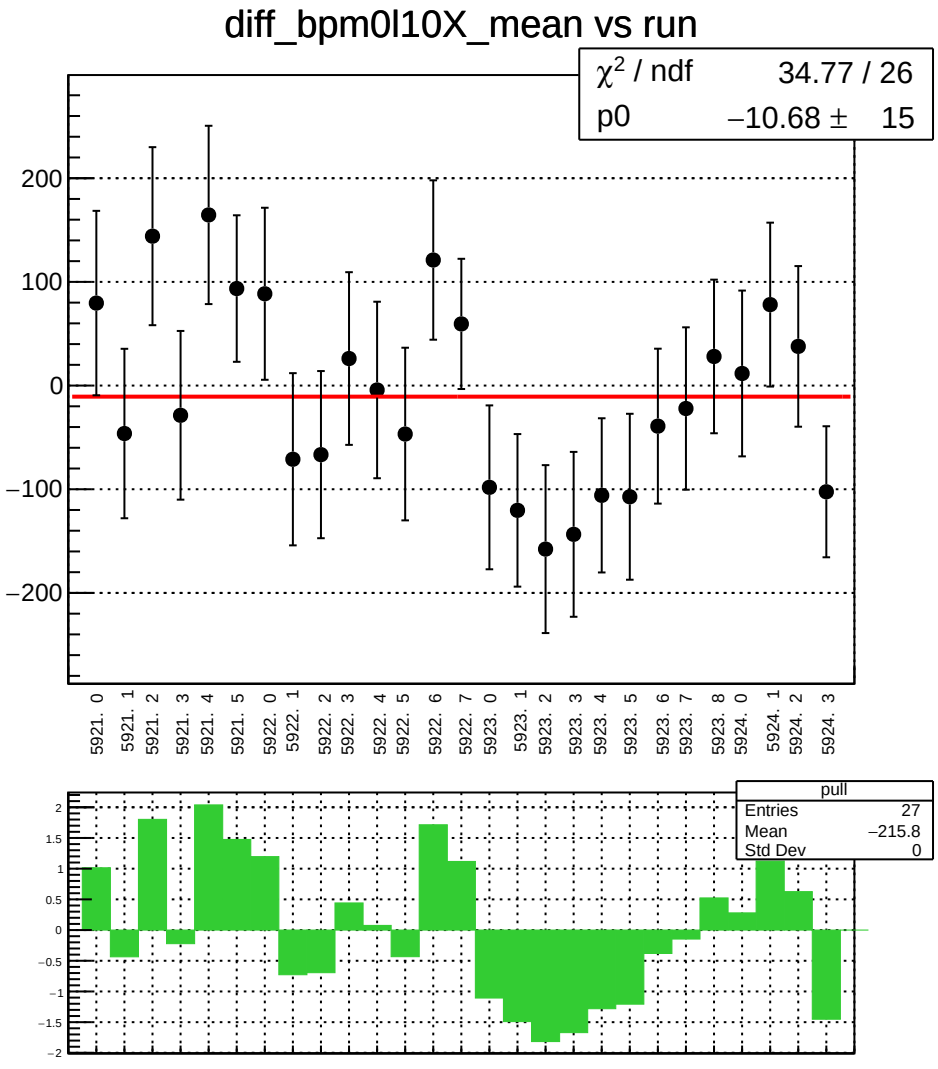

diff_bpm0l09X_mean vs run
χ² / ndf 33.48 / 26
p0 −11.36 ± 14.43
200
100
0
−100
−200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −211.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

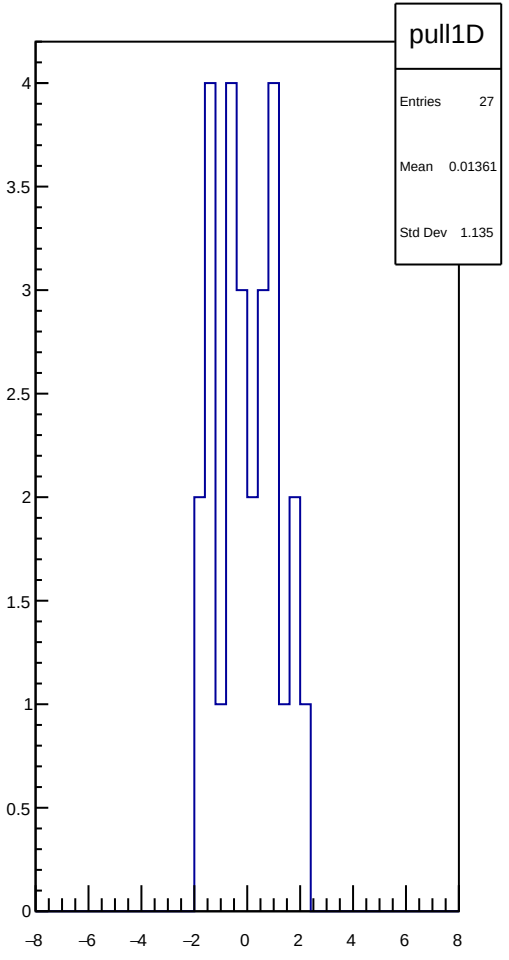

pull1D
Entries 27
Mean 0.01356
Std Dev 1.113
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

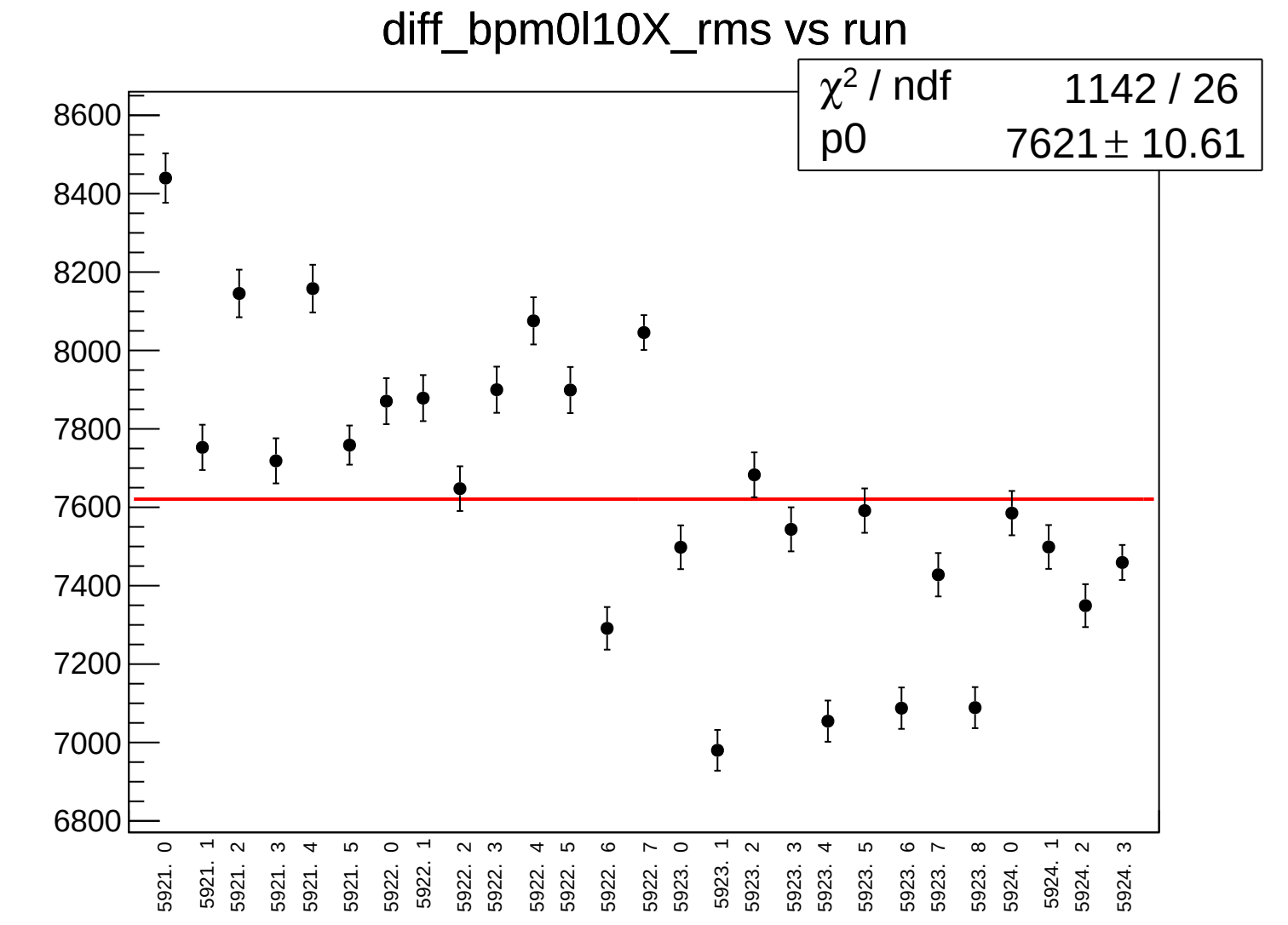

diff_bpm0l09X_rms vs run
χ² / ndf 1196 / 26
p0 7331 ± 10.21
8200
8000
7800
7600
7400
7200
7000
6800
6600
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

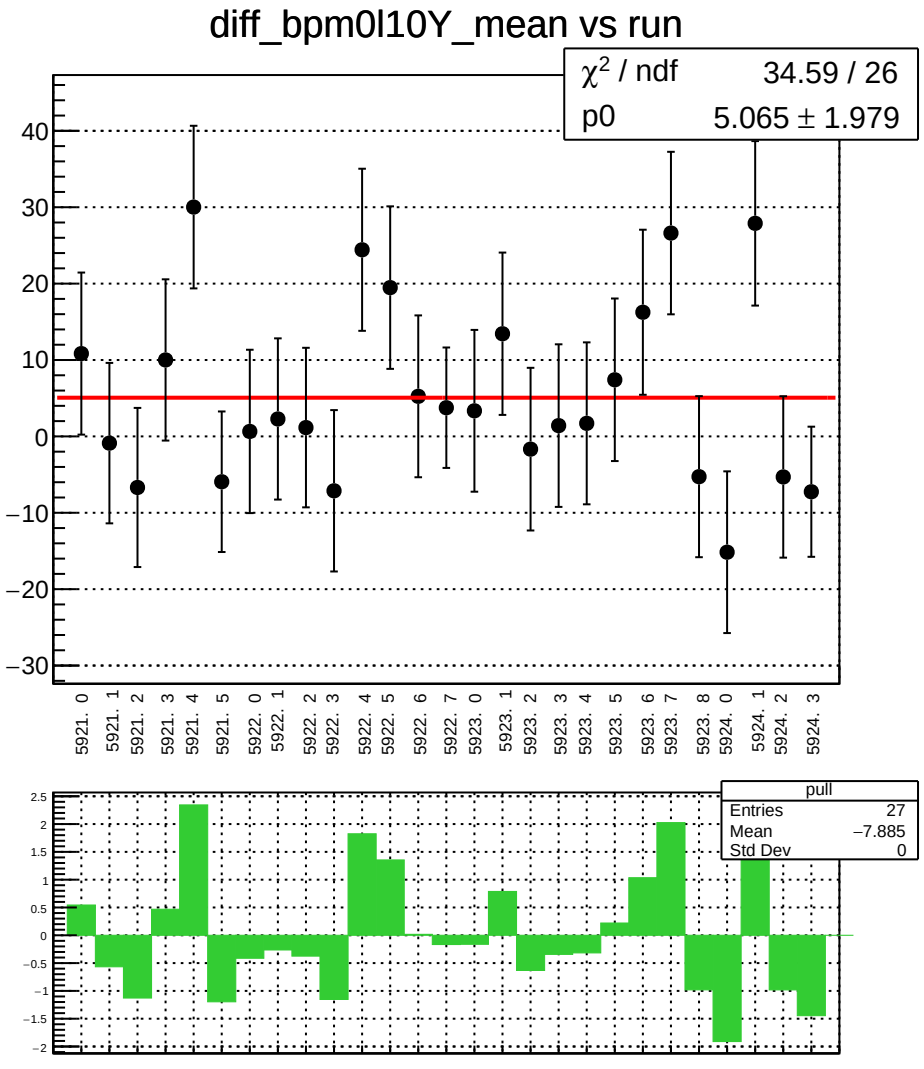

diff_bpm0l09Y_mean vs run
χ² / ndf 34.26 / 26
p0 5.164 ± 2.257
pull
Entries 27
Mean 74.67
Std Dev 0
pull1D
Entries 27
Mean 0.03419
Std Dev 1.126

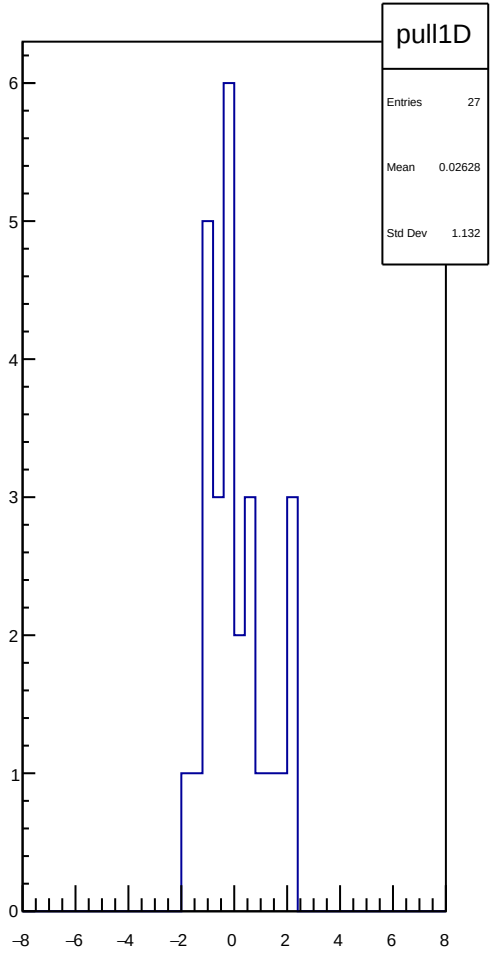

diff_bpm0l09Y_rms vs run
χ² / ndf 56.78 / 26
p0 1148 ± 1.596
1190
1180
1170
1160
1150
1140
1130
1120
1110
1100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

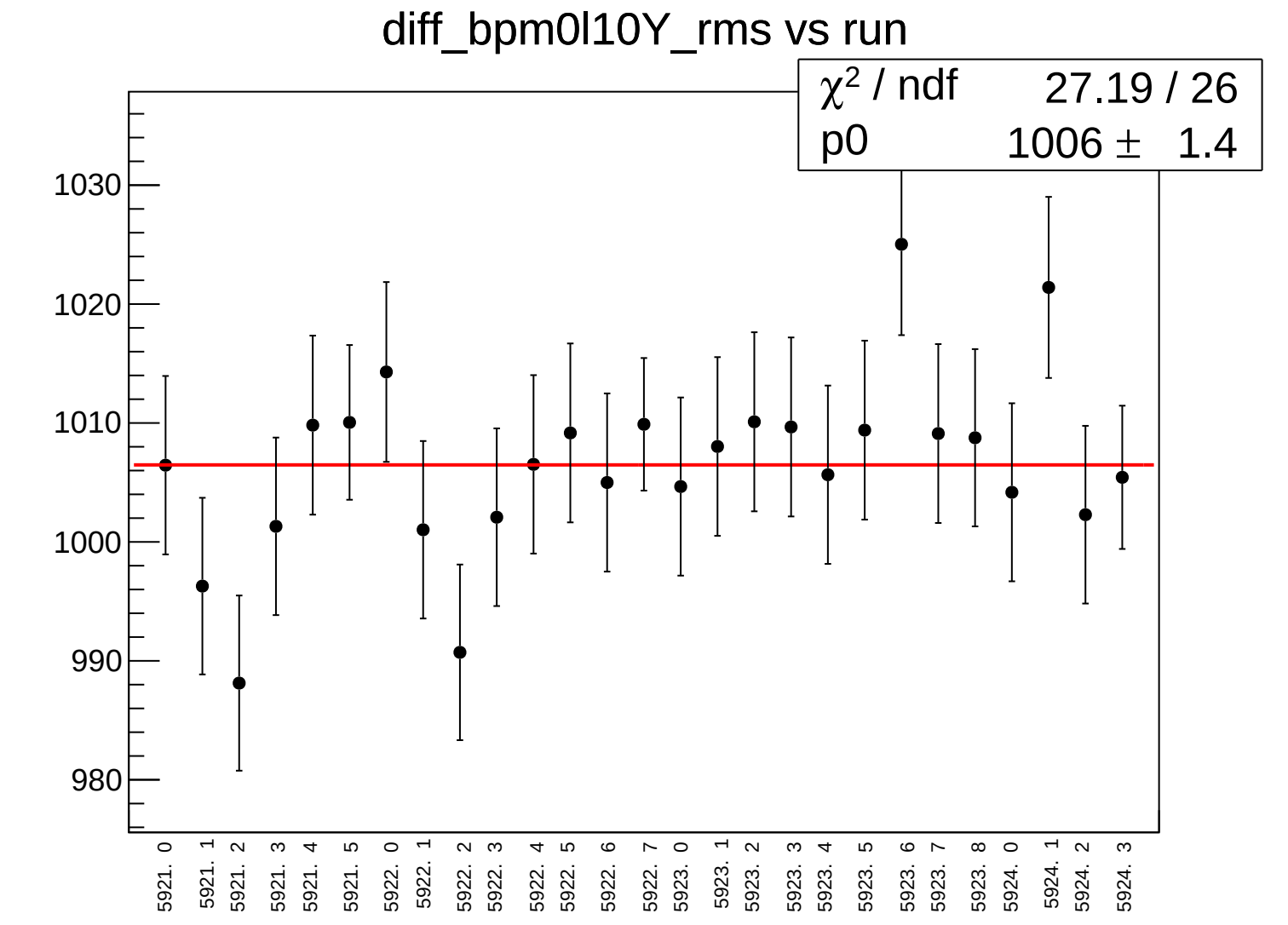

diff_bpm0l10X_mean vs run
χ² / ndf 34.77 / 26
p0 −10.68 ± 15
200
100
0
−100
−200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −215.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

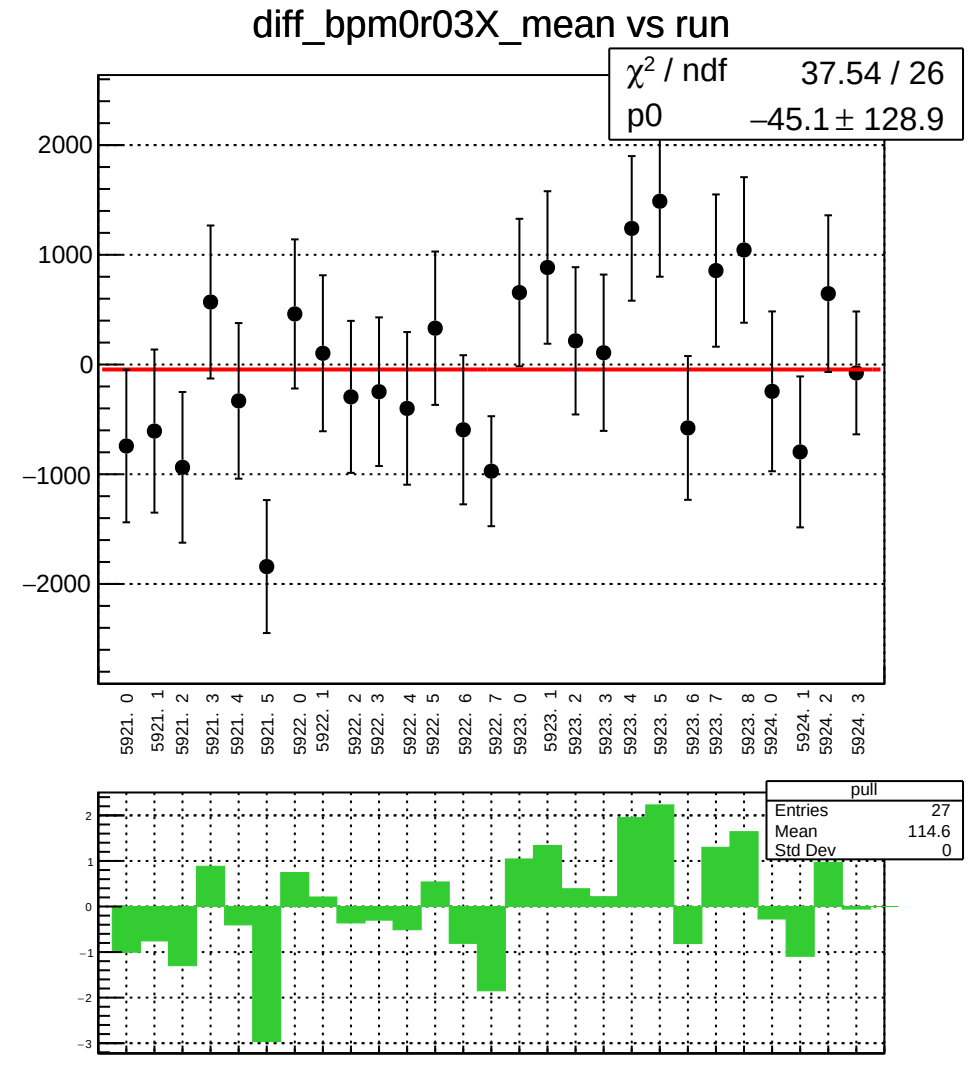

pull1D
Entries 27
Mean 0.01361
Std Dev 1.135
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

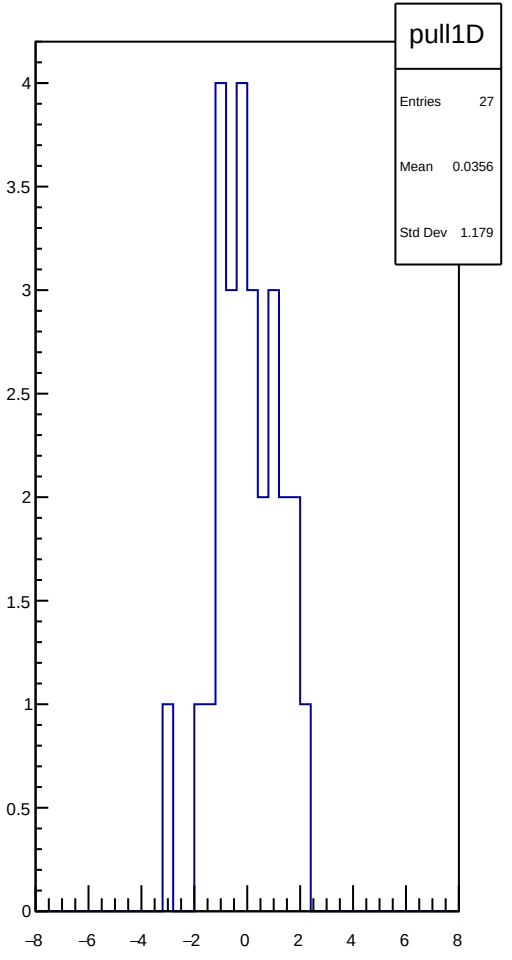

diff_bpm0l10X_rms vs run
χ² / ndf 1142 / 26
p0 7621 ± 10.61
8600
8400
8200
8000
7800
7600
7400
7200
7000
6800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

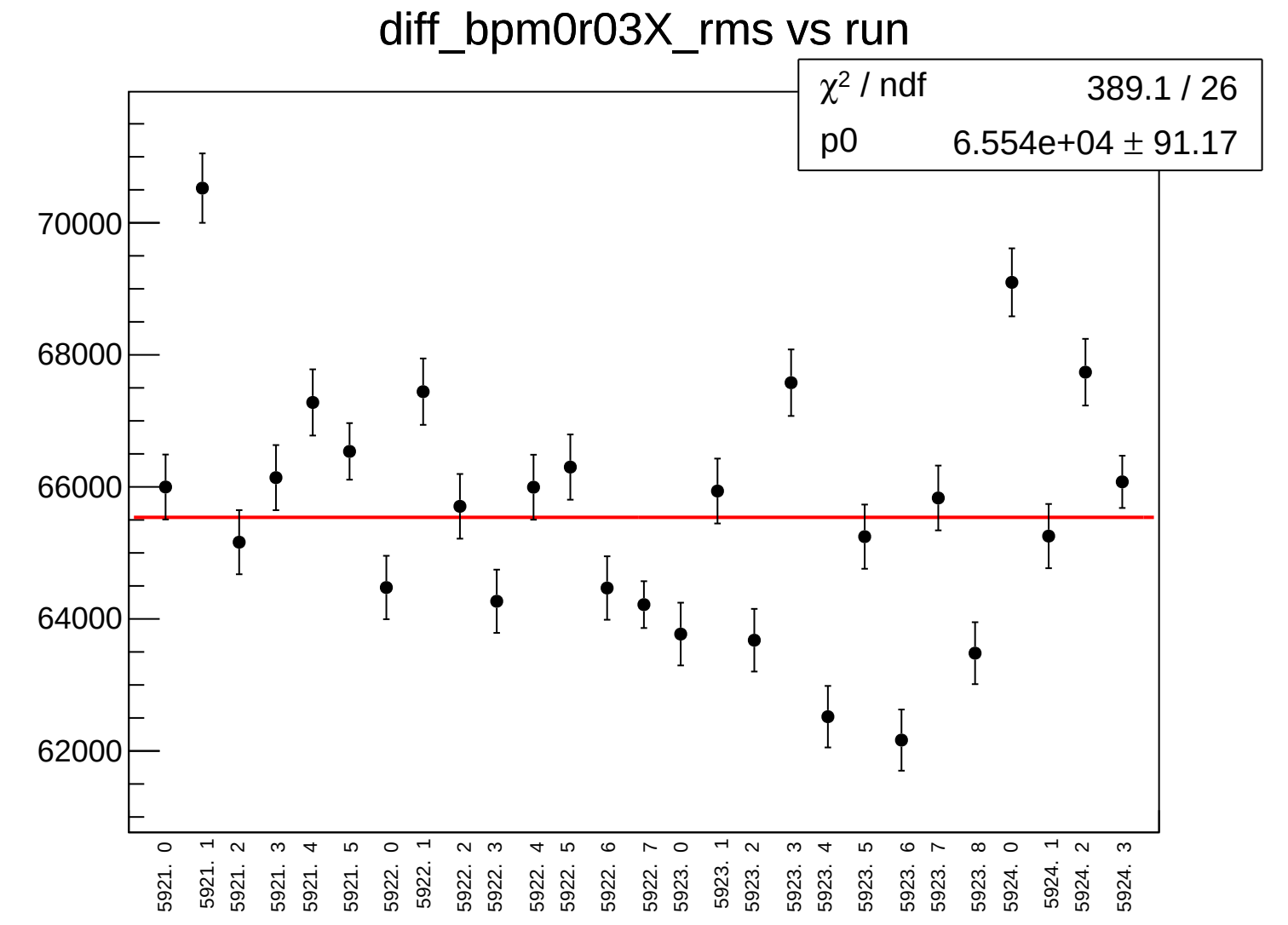

diff_bpm0l10Y_mean vs run
χ² / ndf 34.59 / 26
p0 5.065 ± 1.979
40
30
20
10
0
−10
−20
−30
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −7.885
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

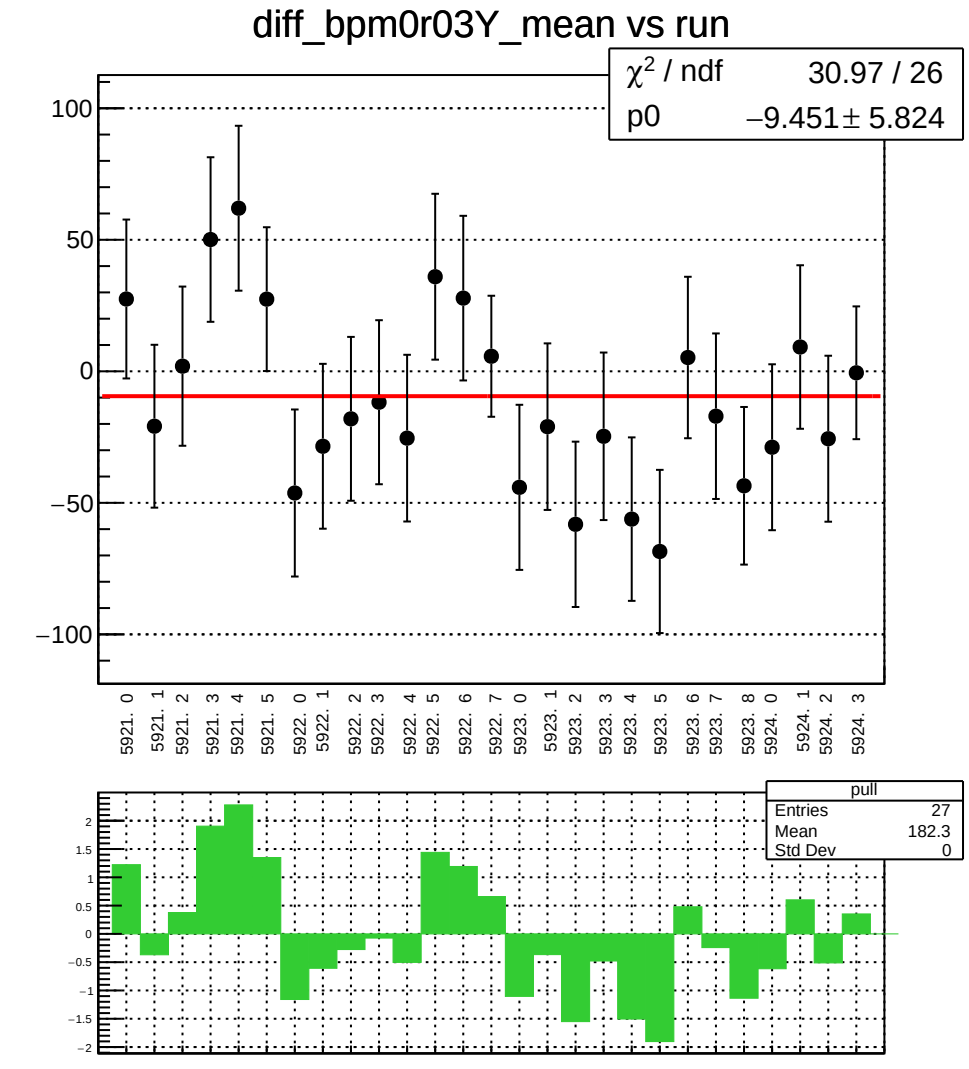

pull1D
Entries 27
Mean 0.02628
Std Dev 1.132
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

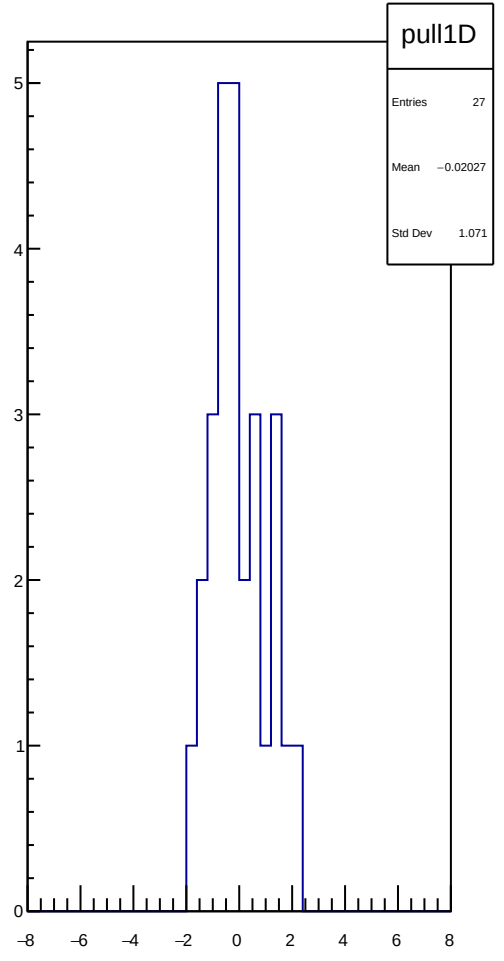

diff_bpm0l10Y_rms vs run
χ² / ndf 27.19 / 26
p0 1006 ± 1.4
1030
1020
1010
1000
990
980
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

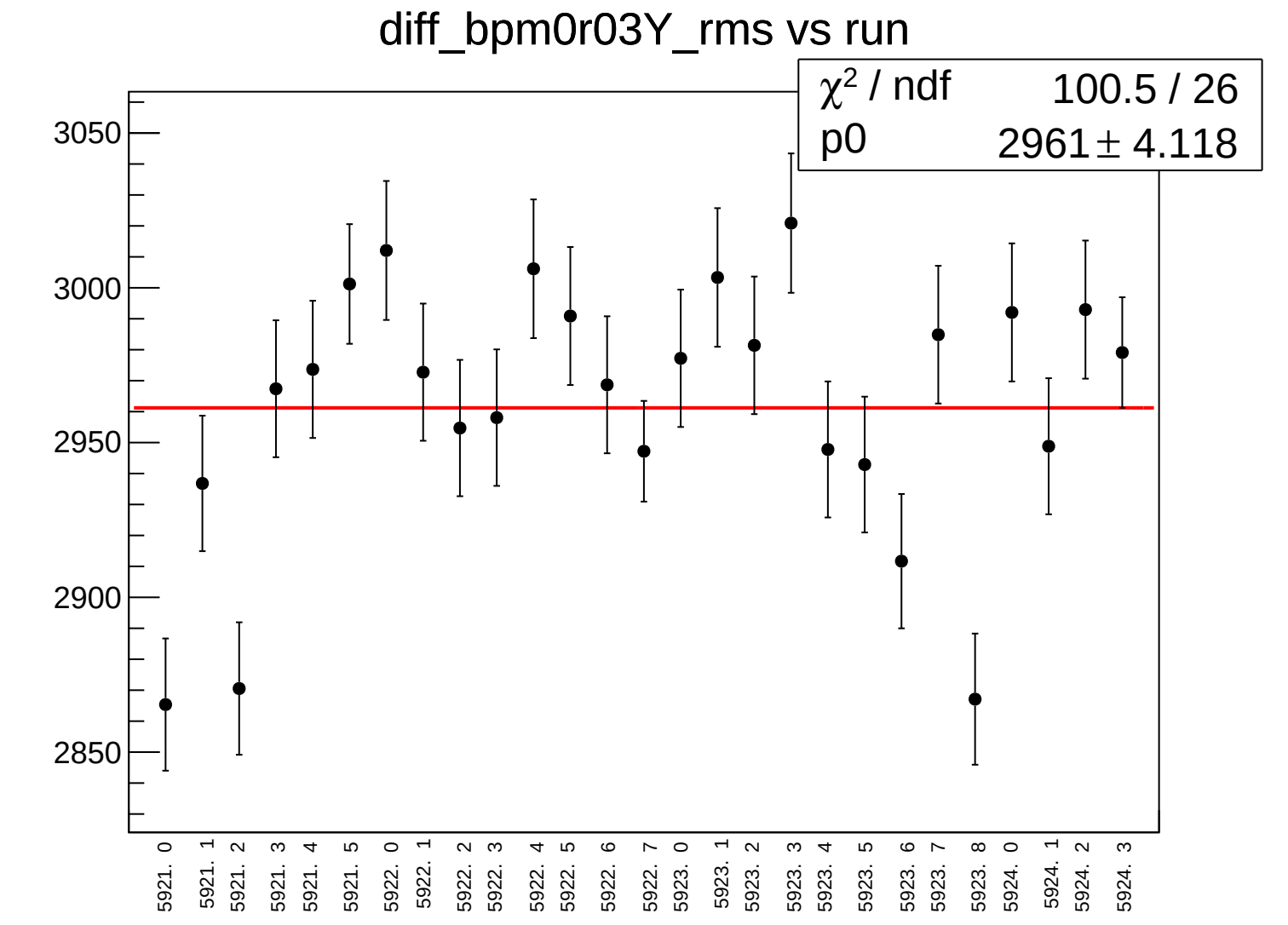

diff_bpm0r03X_mean vs run
χ² / ndf 37.54 / 26
p0 −45.1 ± 128.9
2000
1000
0
−1000
−2000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 114.6
Std Dev 0
2
1
0
−1
−2
−3

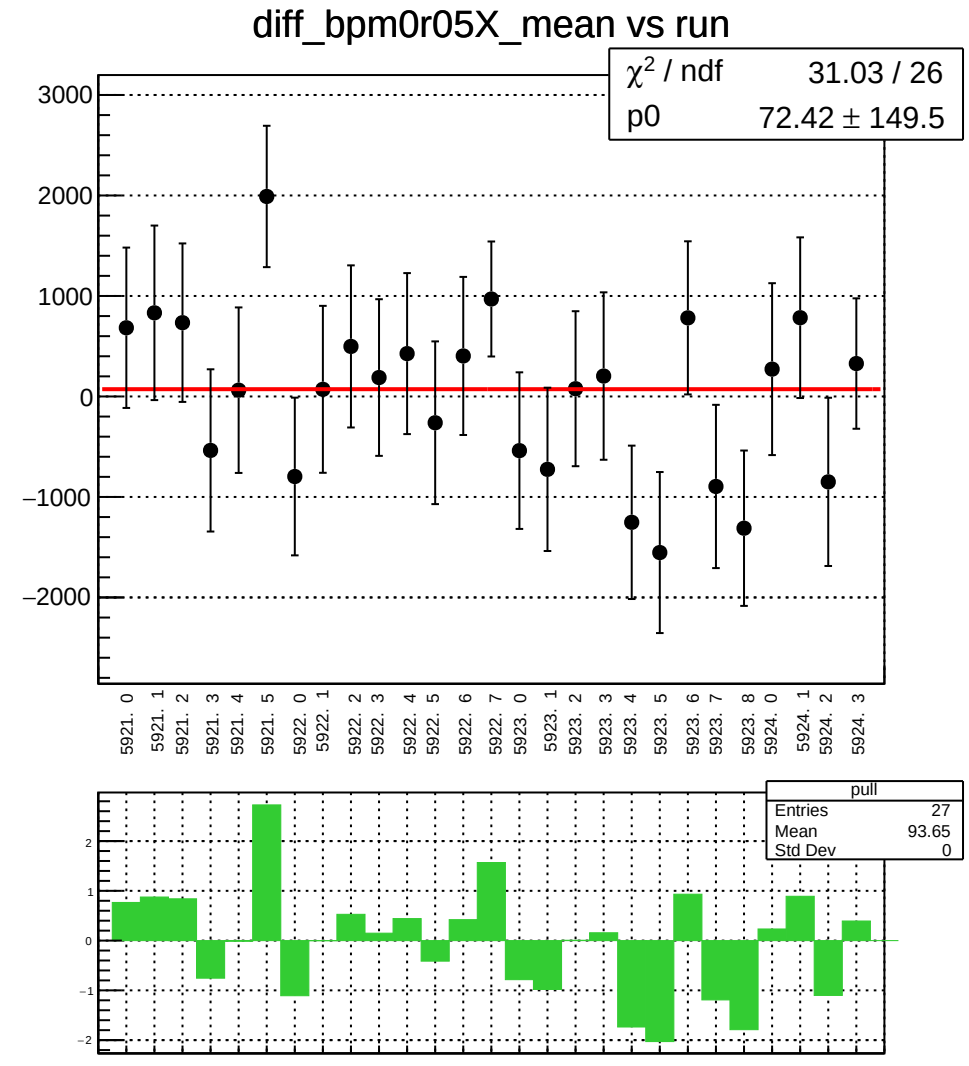

pull1D
Entries 27
Mean 0.0356
Std Dev 1.179
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

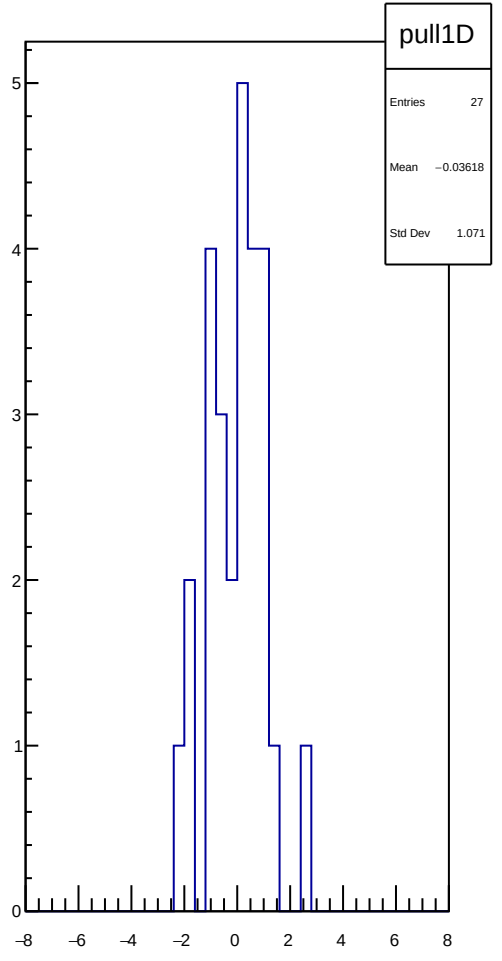

diff_bpm0r03X_rms vs run
χ² / ndf 389.1 / 26
p0 6.554e+04 ± 91.17
70000
68000
66000
64000
62000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

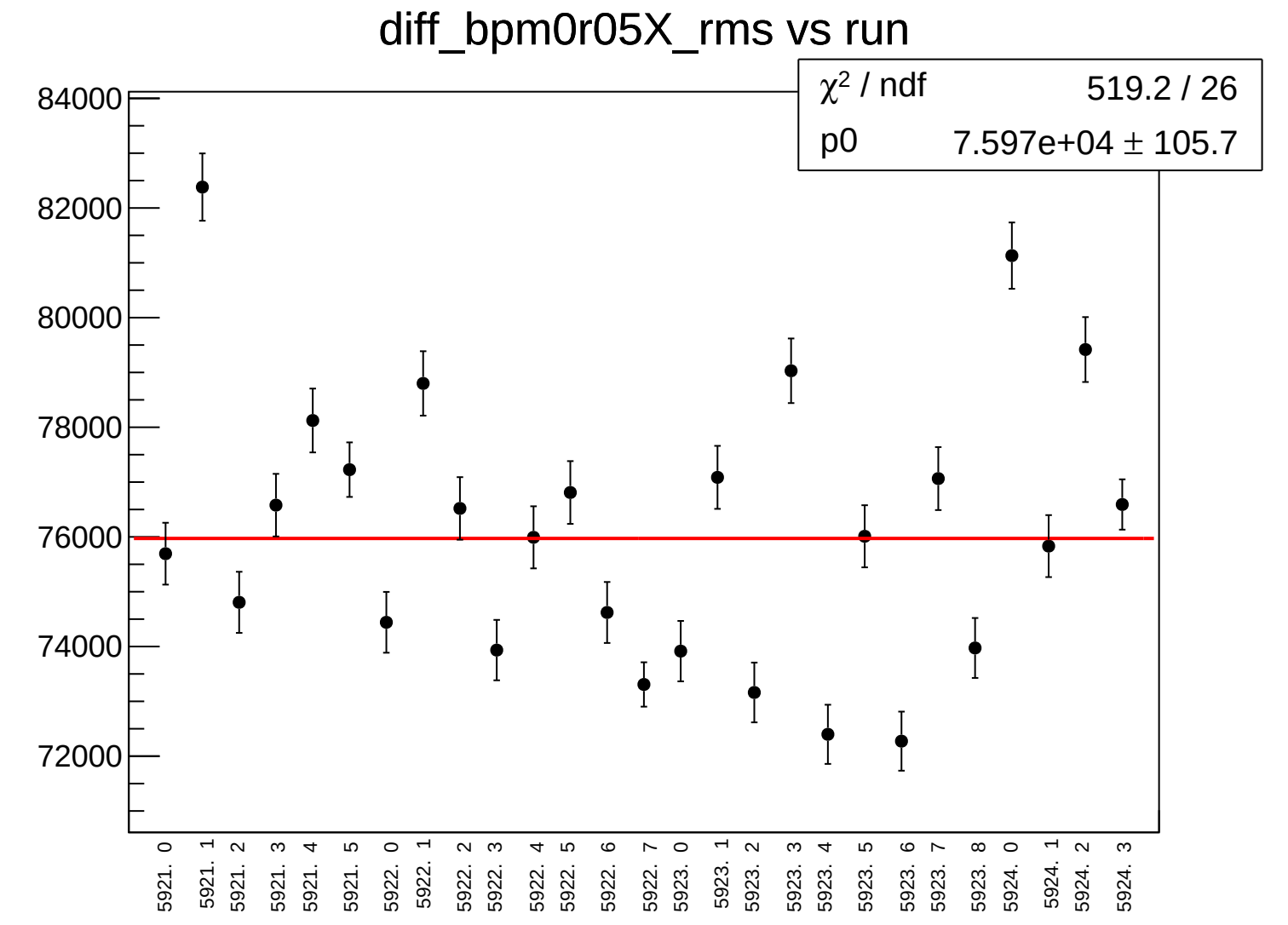

diff_bpm0r03Y_mean vs run
χ² / ndf 30.97 / 26
p0 −9.451 ± 5.824
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 182.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

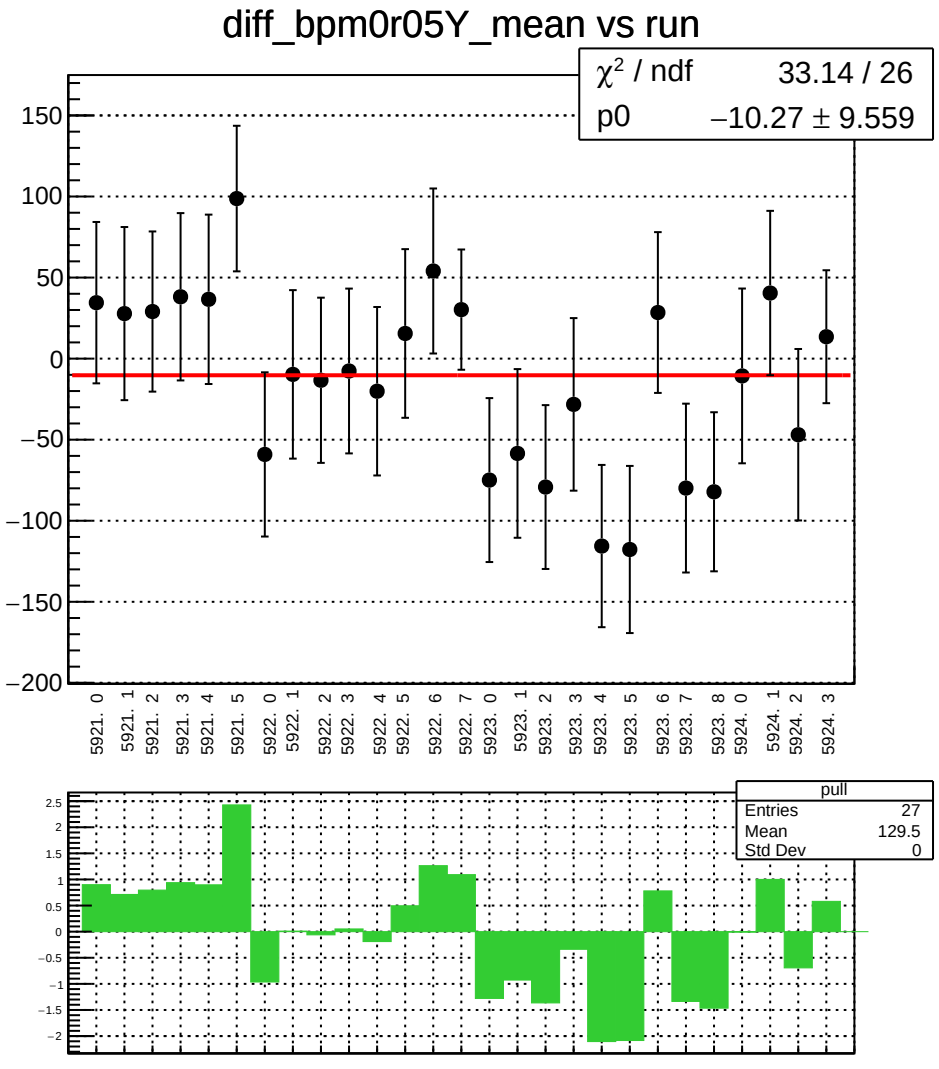

pull1D
Entries 27
Mean −0.02027
Std Dev 1.071
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

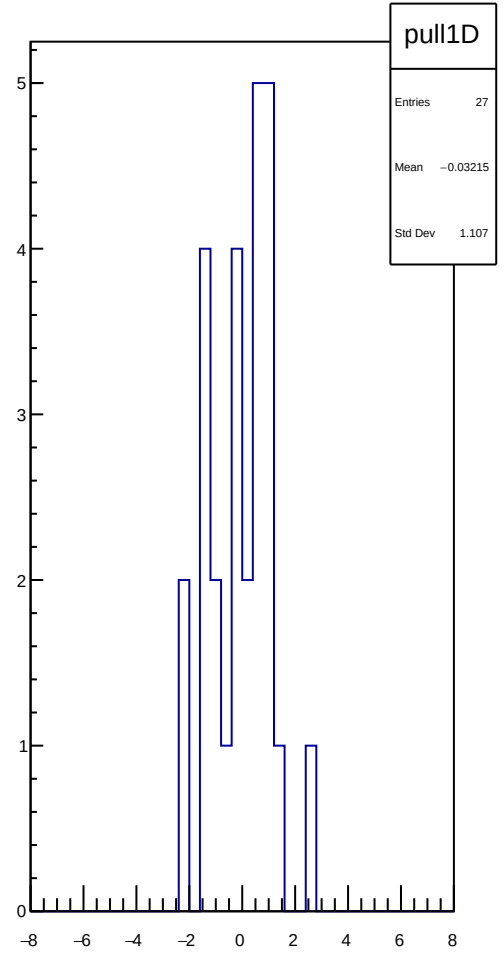

diff_bpm0r03Y_rms vs run
χ² / ndf 100.5 / 26
p0 2961 ± 4.118
3050
3000
2950
2900
2850
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

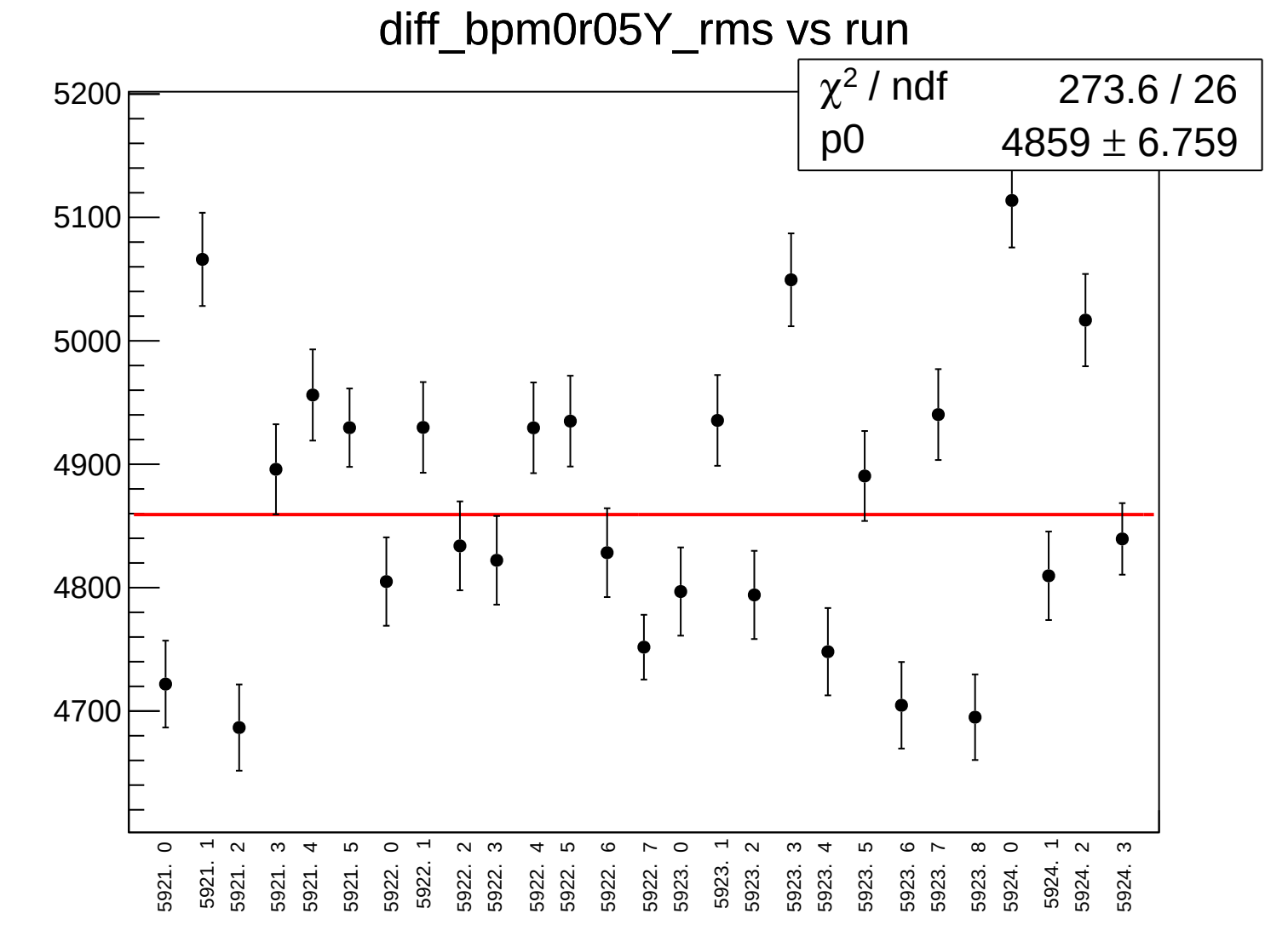

diff_bpm0r05X_mean vs run
χ² / ndf 31.03 / 26
p0 72.42 ± 149.5
3000
2000
1000
0
−1000
−2000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 93.65
Std Dev 0
2
1
0
−1
−2

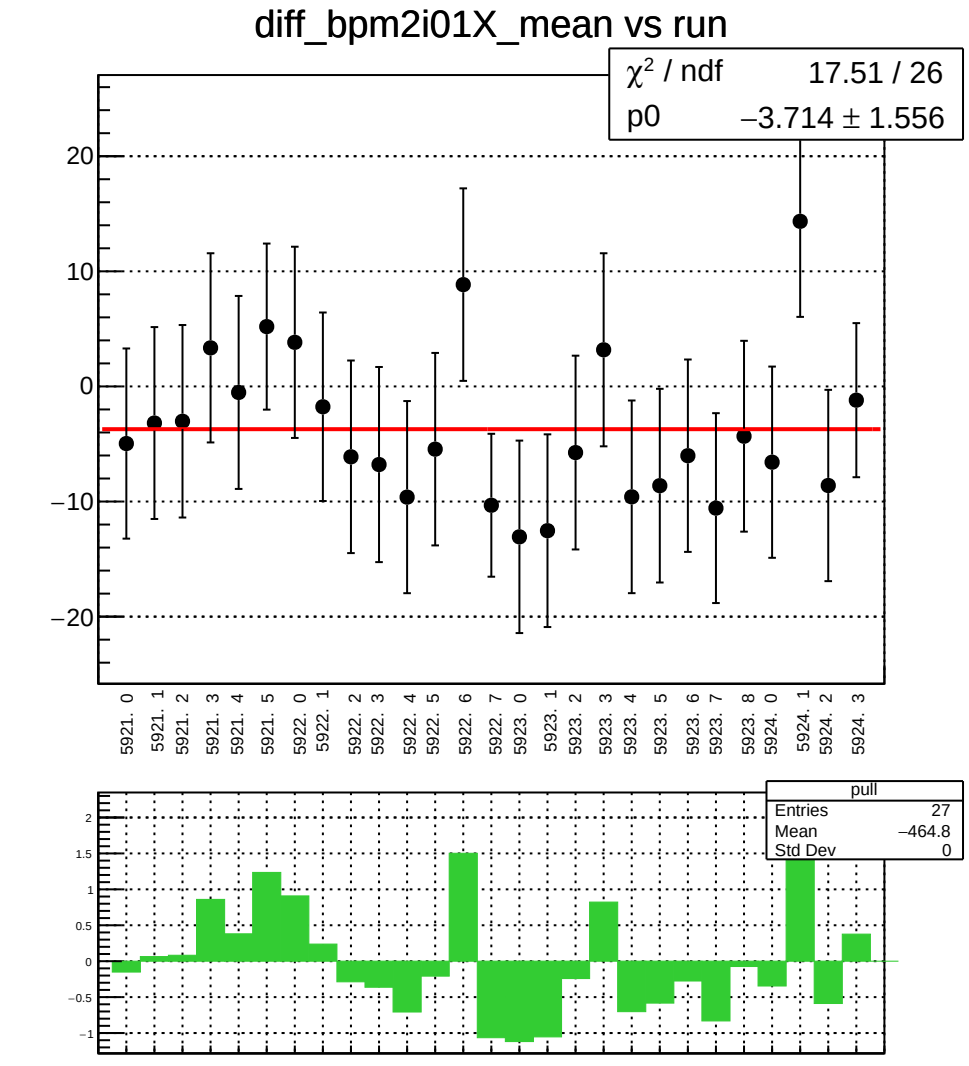

pull1D
Entries 27
Mean −0.03618
Std Dev 1.071
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

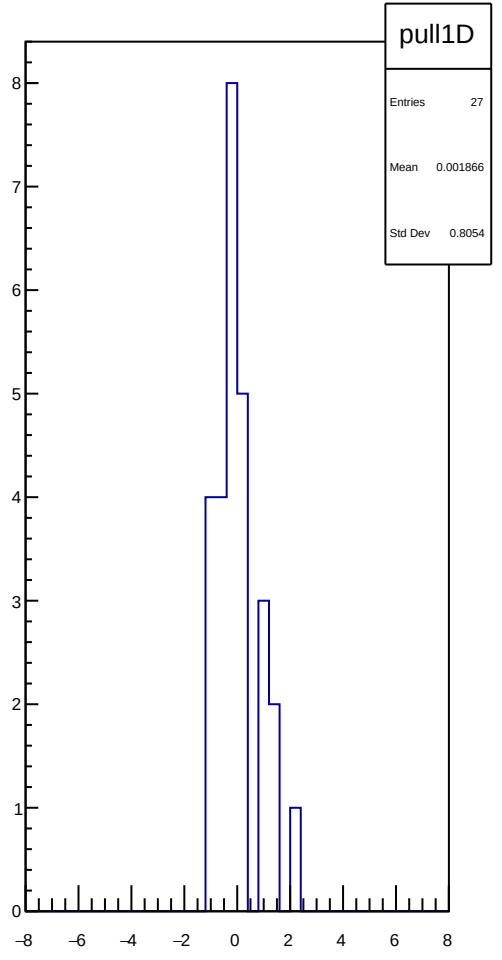

diff_bpm0r05X_rms vs run
χ² / ndf 519.2 / 26
p0 7.597e+04 ± 105.7
84000
82000
80000
78000
76000
74000
72000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

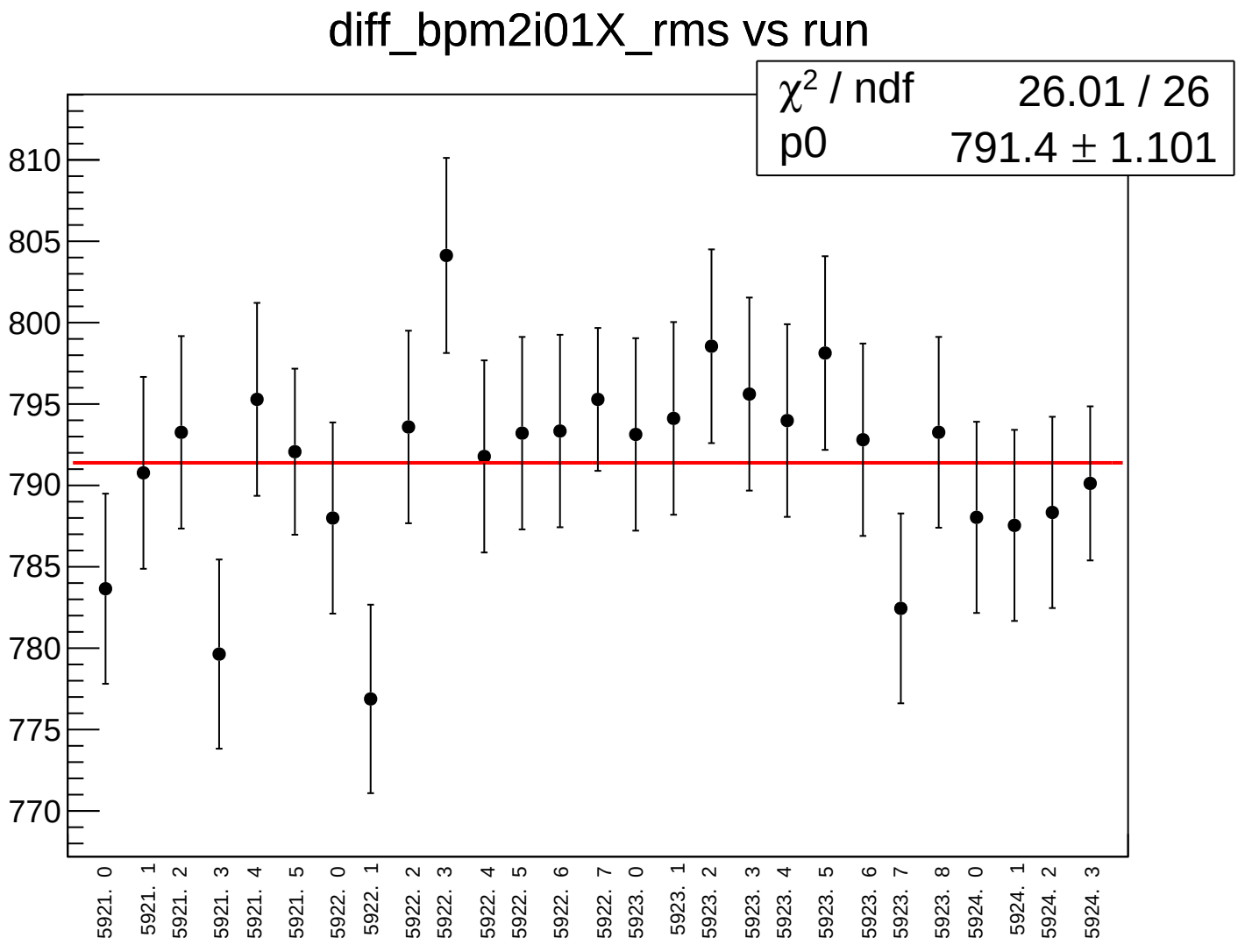

diff_bpm0r05Y_mean vs run
χ² / ndf 33.14 / 26
p0 −10.27 ± 9.559
150
100
50
0
−50
−100
−150
−200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 129.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

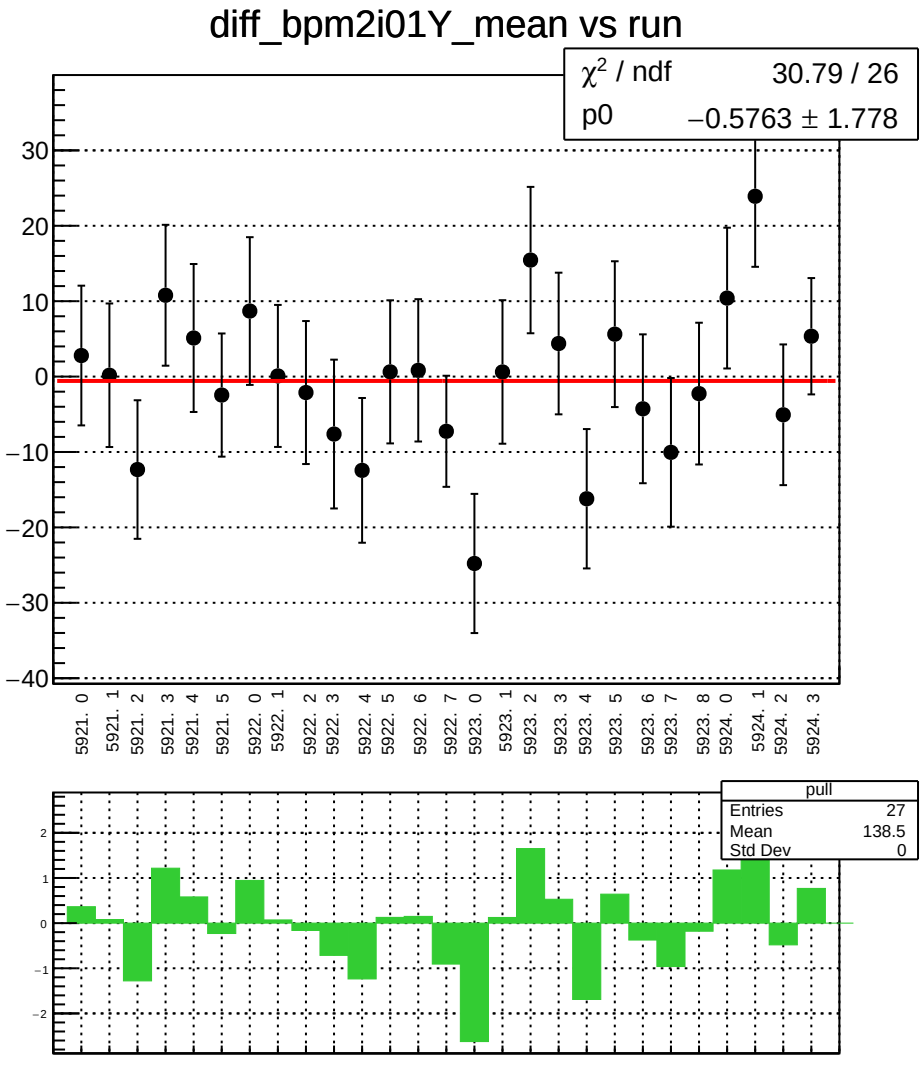

pull1D
Entries 27
Mean −0.03215
Std Dev 1.107
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

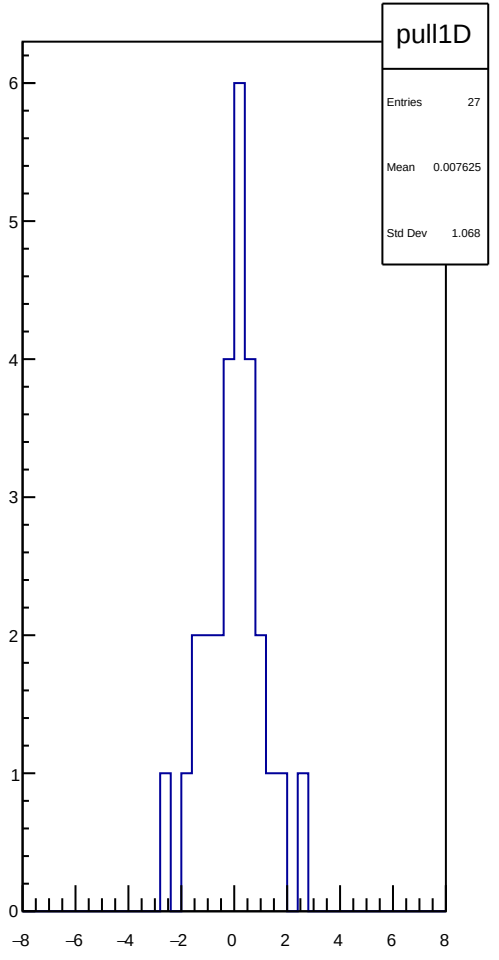

diff_bpm0r05Y_rms vs run
χ² / ndf 273.6 / 26
p0 4859 ± 6.759
5200
5100
5000
4900
4800
4700
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

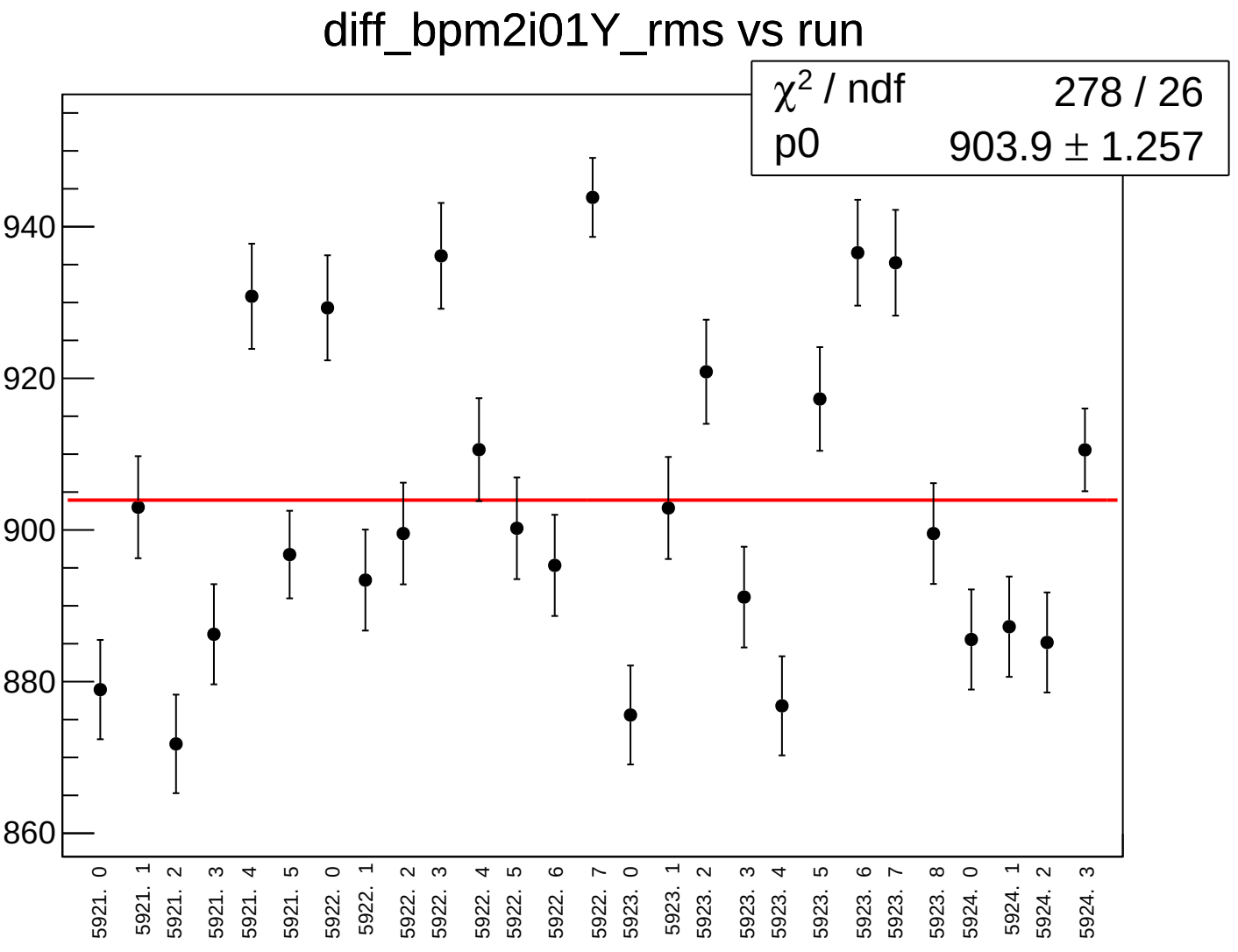

diff_bpm2i01X_mean vs run
χ² / ndf 17.51 / 26
p0 −3.714 ± 1.556
20
10
0
−10
−20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −464.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1

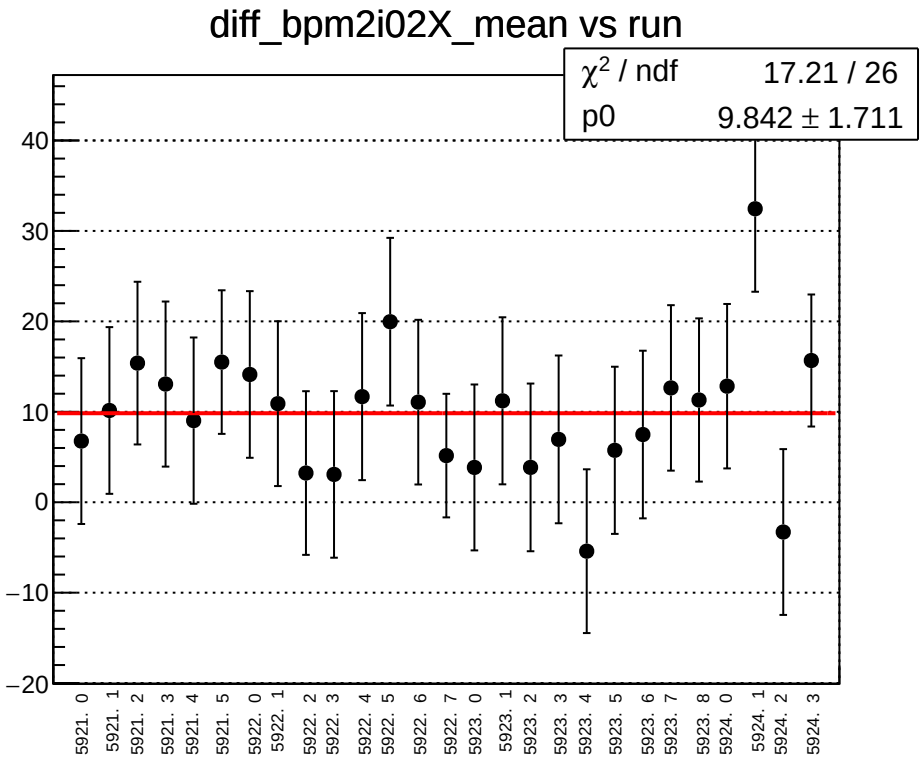

pull1D
Entries 27
Mean 0.001866
Std Dev 0.8054
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

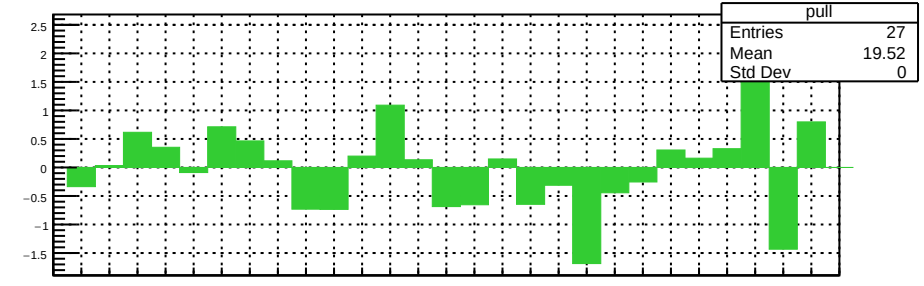

diff_bpm2i01X_rms vs run
χ² / ndf 26.01 / 26
p0 791.4 ± 1.101
810
805
800
795
790
785
780
775
770
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

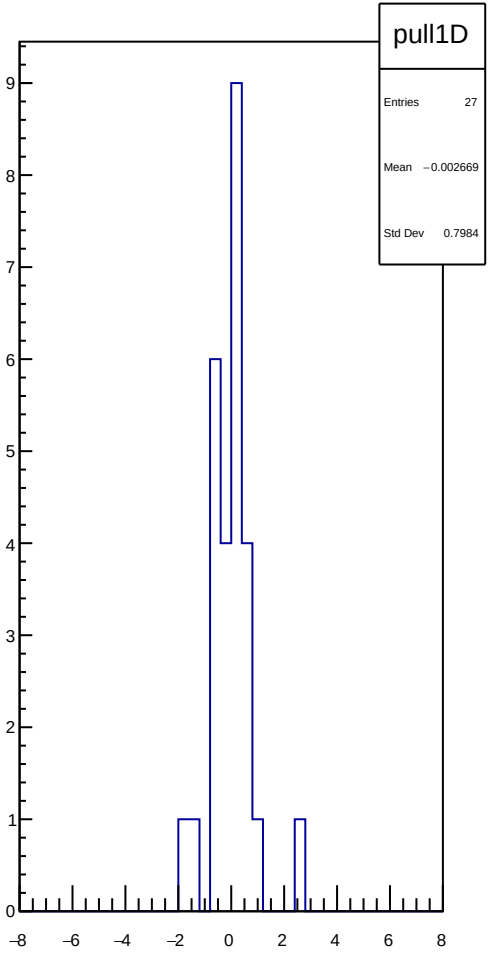

diff_bpm2i01Y_mean vs run
χ² / ndf 30.79 / 26
p0 −0.5763 ± 1.778
30
20
10
0
−10
−20
−30
−40
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 138.5
Std Dev 0
2
1
0
−1
−2

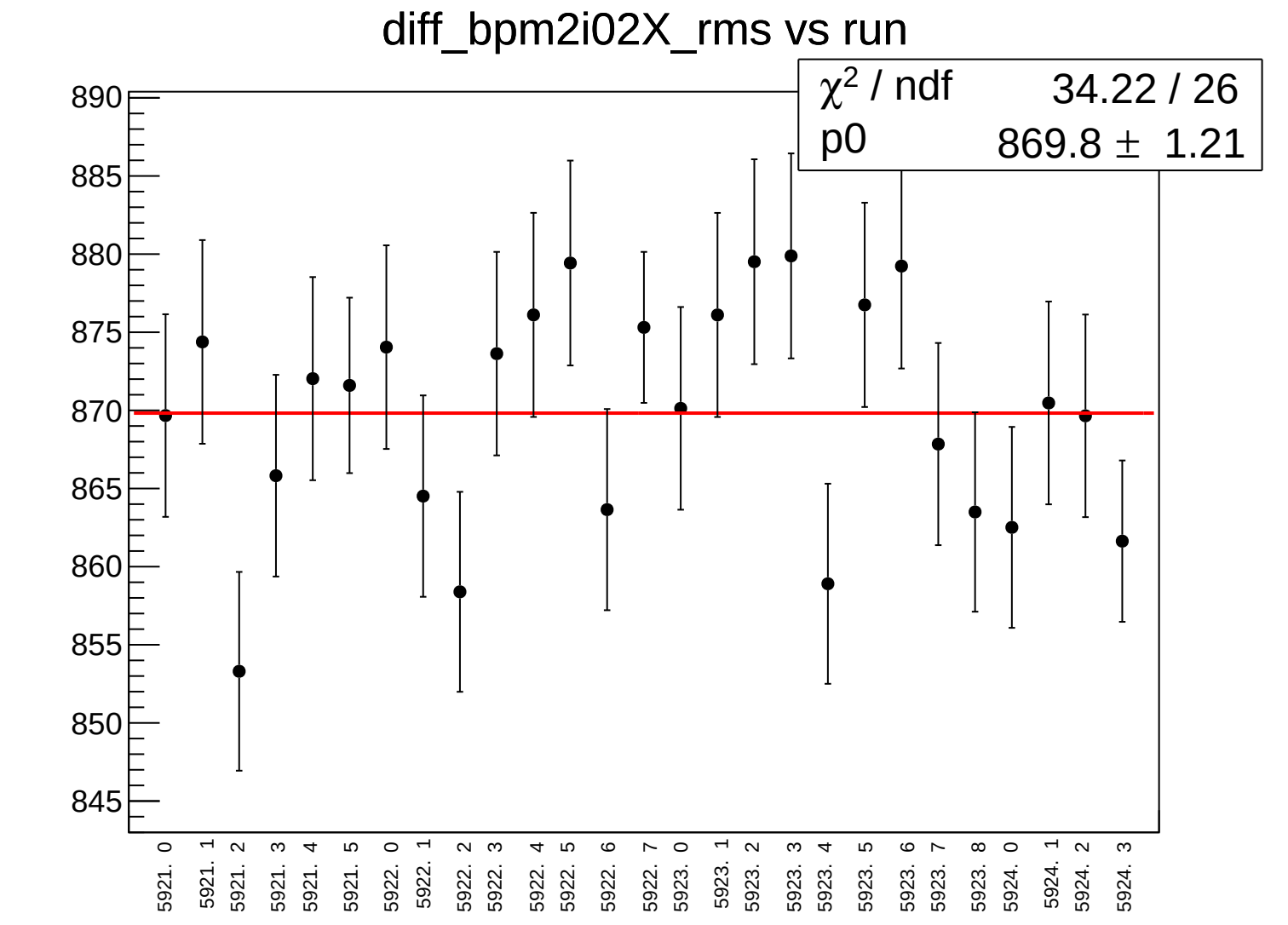

pull1D
Entries 27
Mean 0.007625
Std Dev 1.068
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

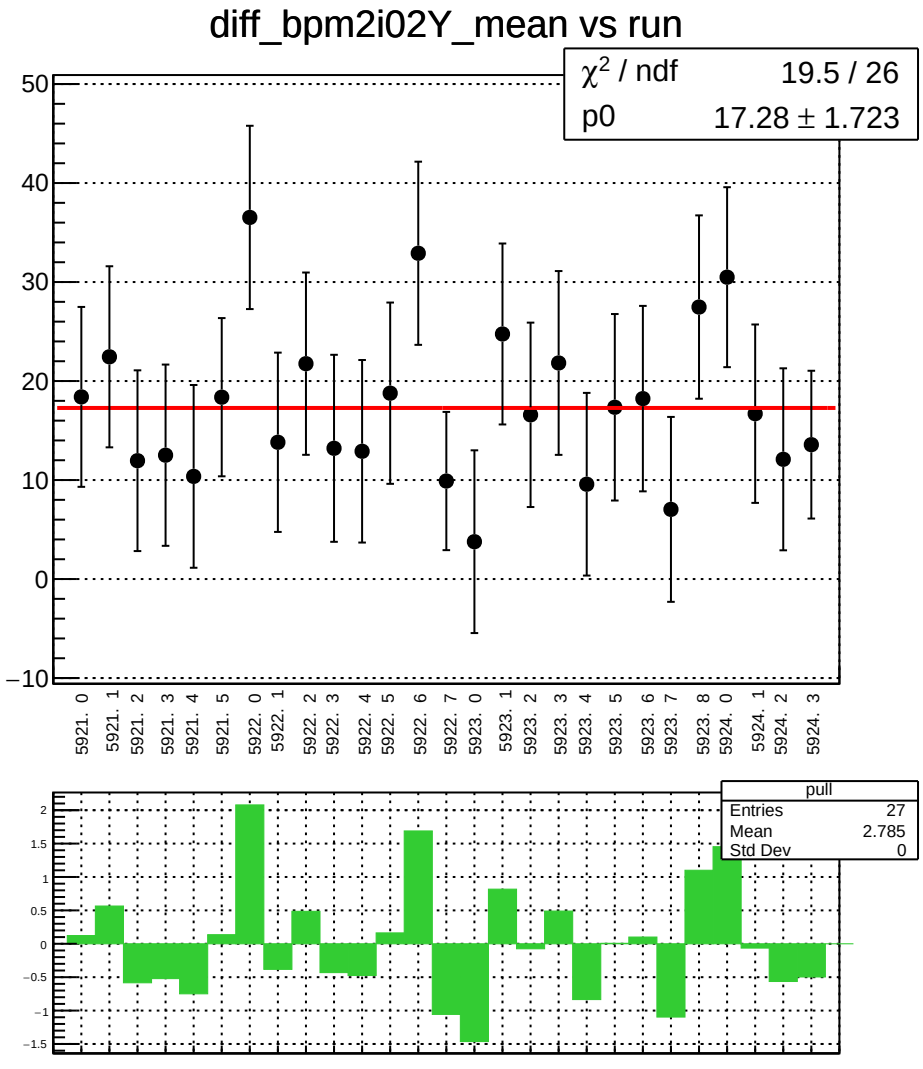

diff_bpm2i01Y_rms vs run
χ² / ndf 278 / 26
p0 903.9 ± 1.257
940
920
900
880
860
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

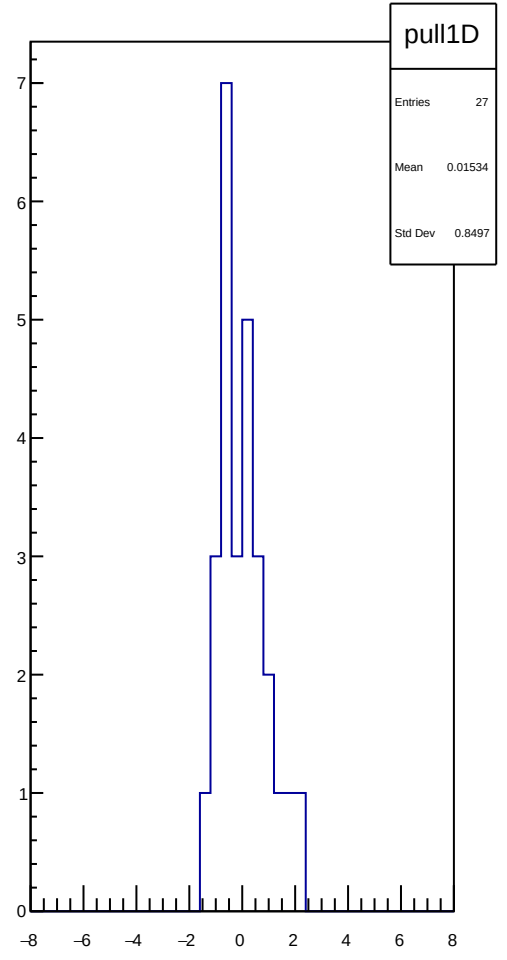

diff_bpm2i02X_mean vs run
χ² / ndf 17.21 / 26
p0 9.842 ± 1.711
40
30
20
10
0
−10
−20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

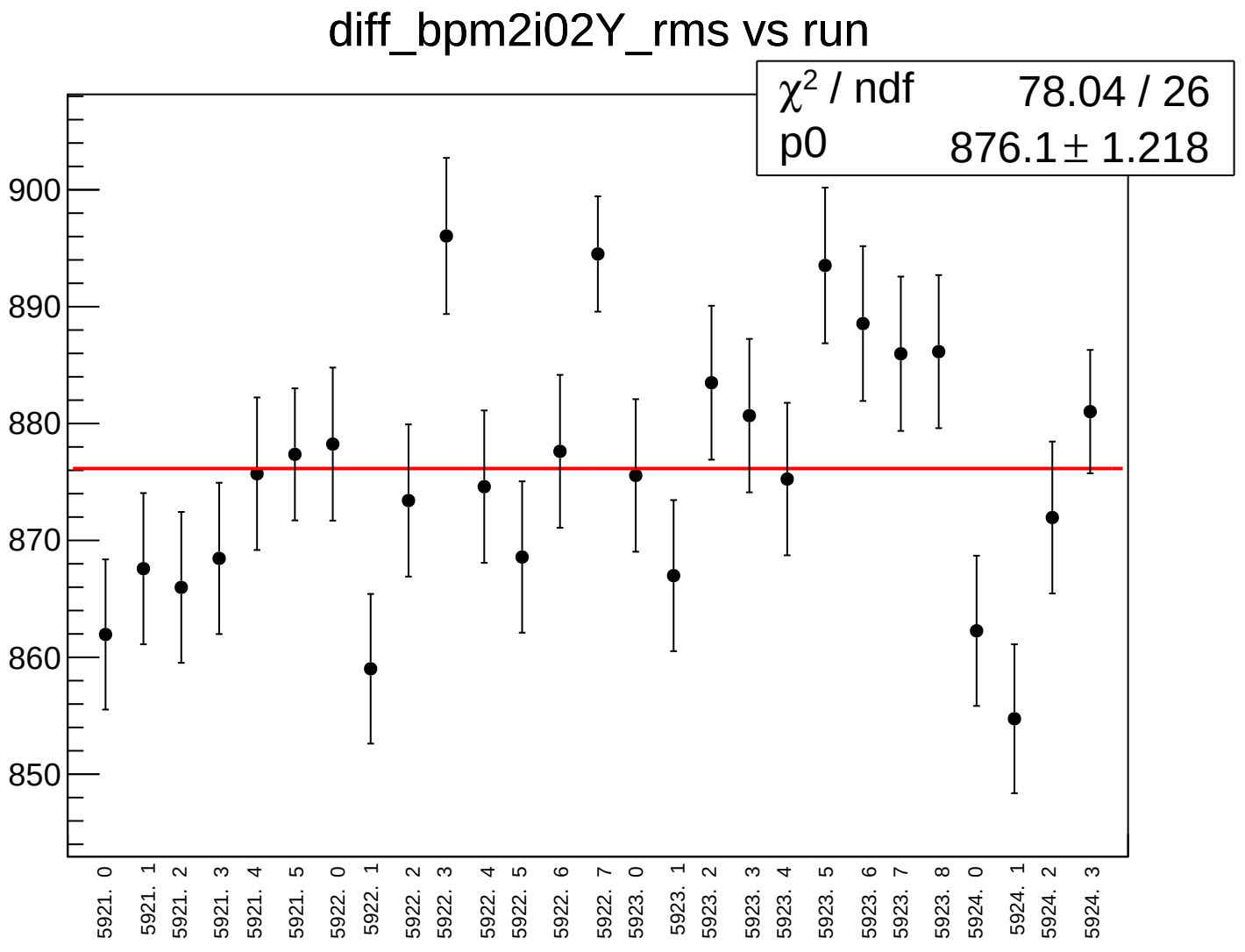

pull
Entries 27
Mean 19.52
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

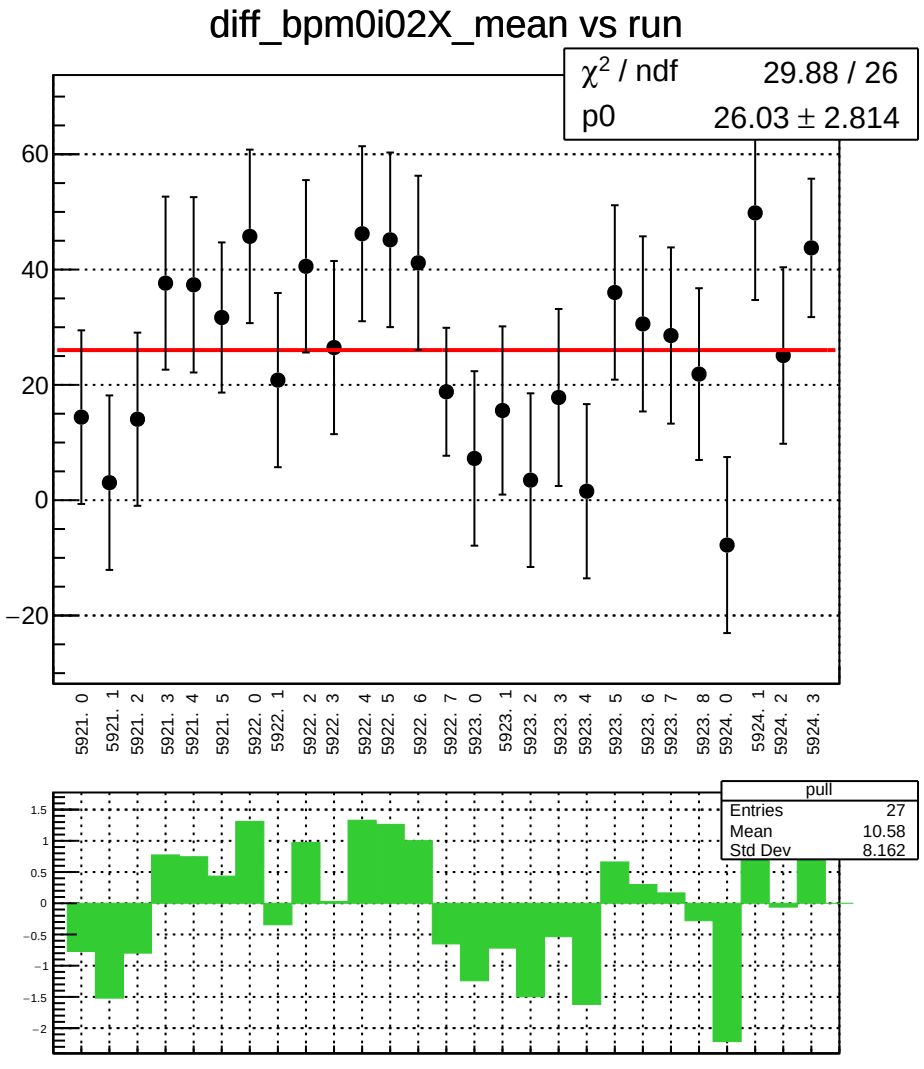

pull1D
Entries 27
Mean −0.002669
Std Dev 0.7984
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

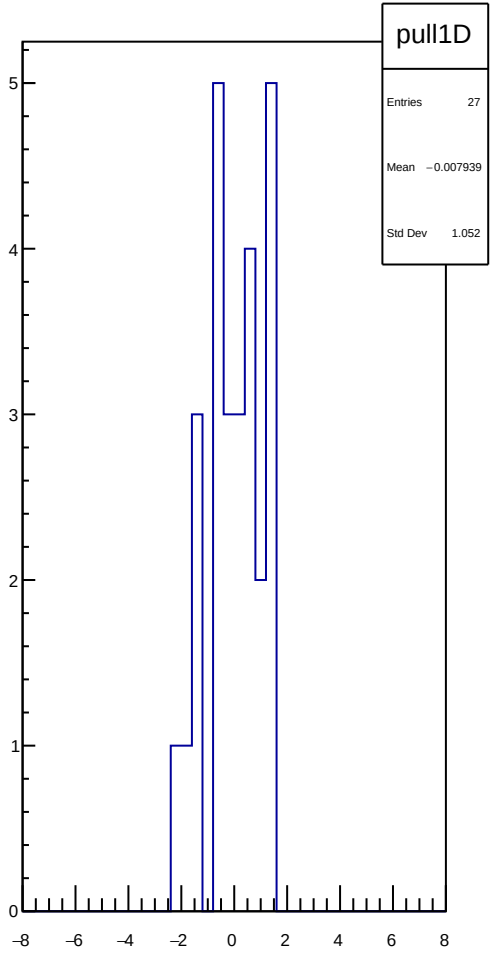

diff_bpm2i02X_rms vs run
χ² / ndf 34.22 / 26
p0 869.8 ± 1.21
890
885
880
875
870
865
860
855
850
845
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

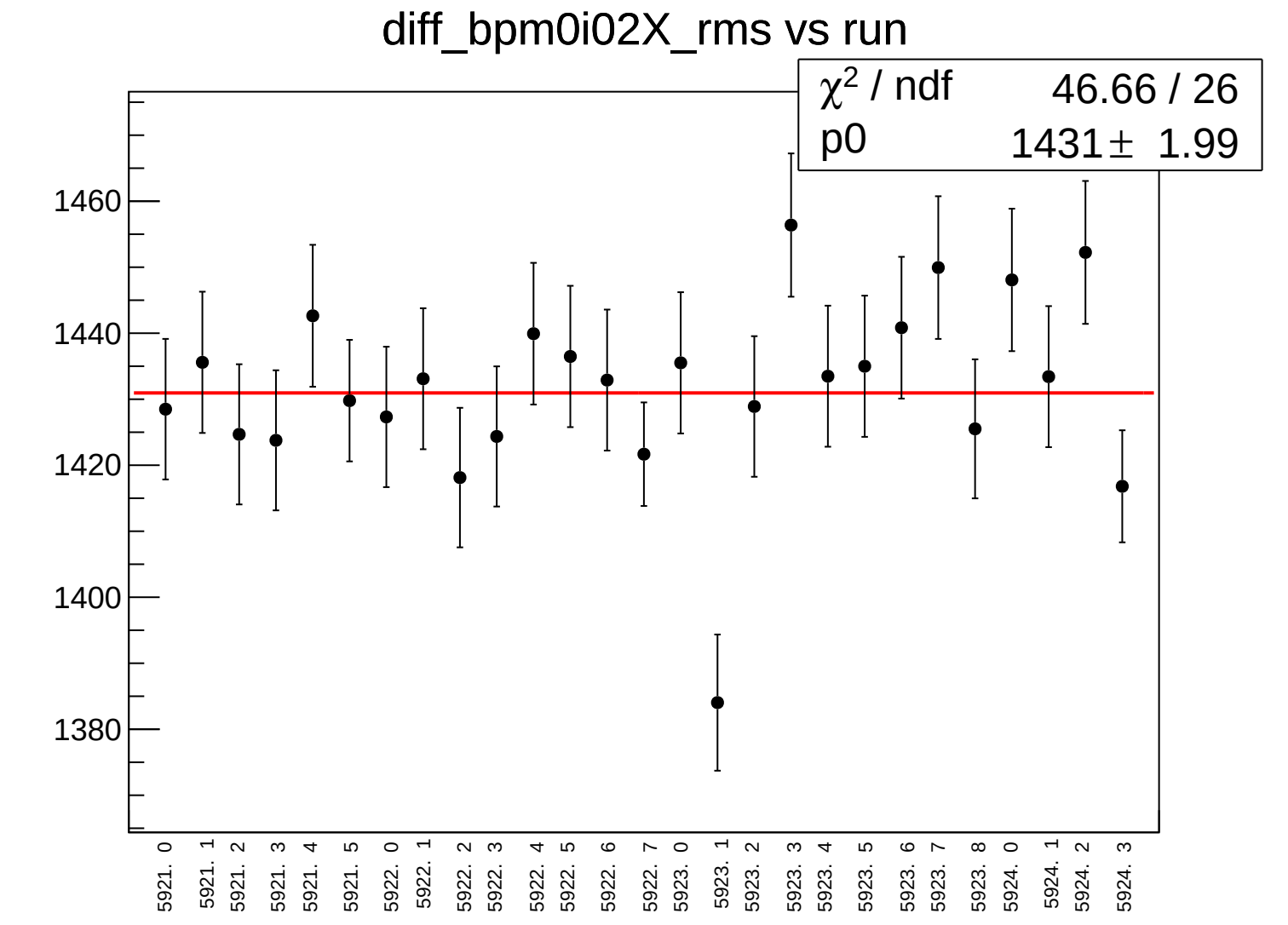

diff_bpm2i02Y_mean vs run
χ² / ndf 19.5 / 26
p0 17.28 ± 1.723
50
40
30
20
10
0
−10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 2.785
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

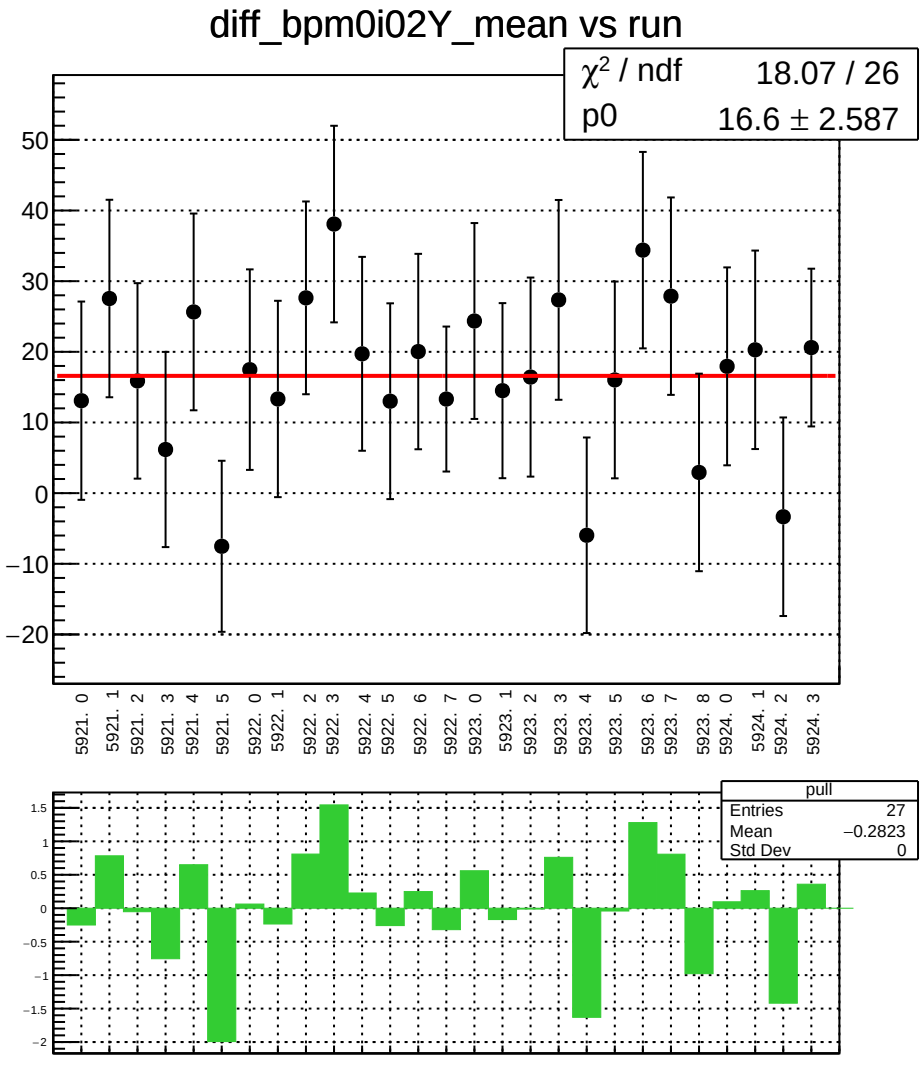

pull1D
Entries 27
Mean 0.01534
Std Dev 0.8497
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

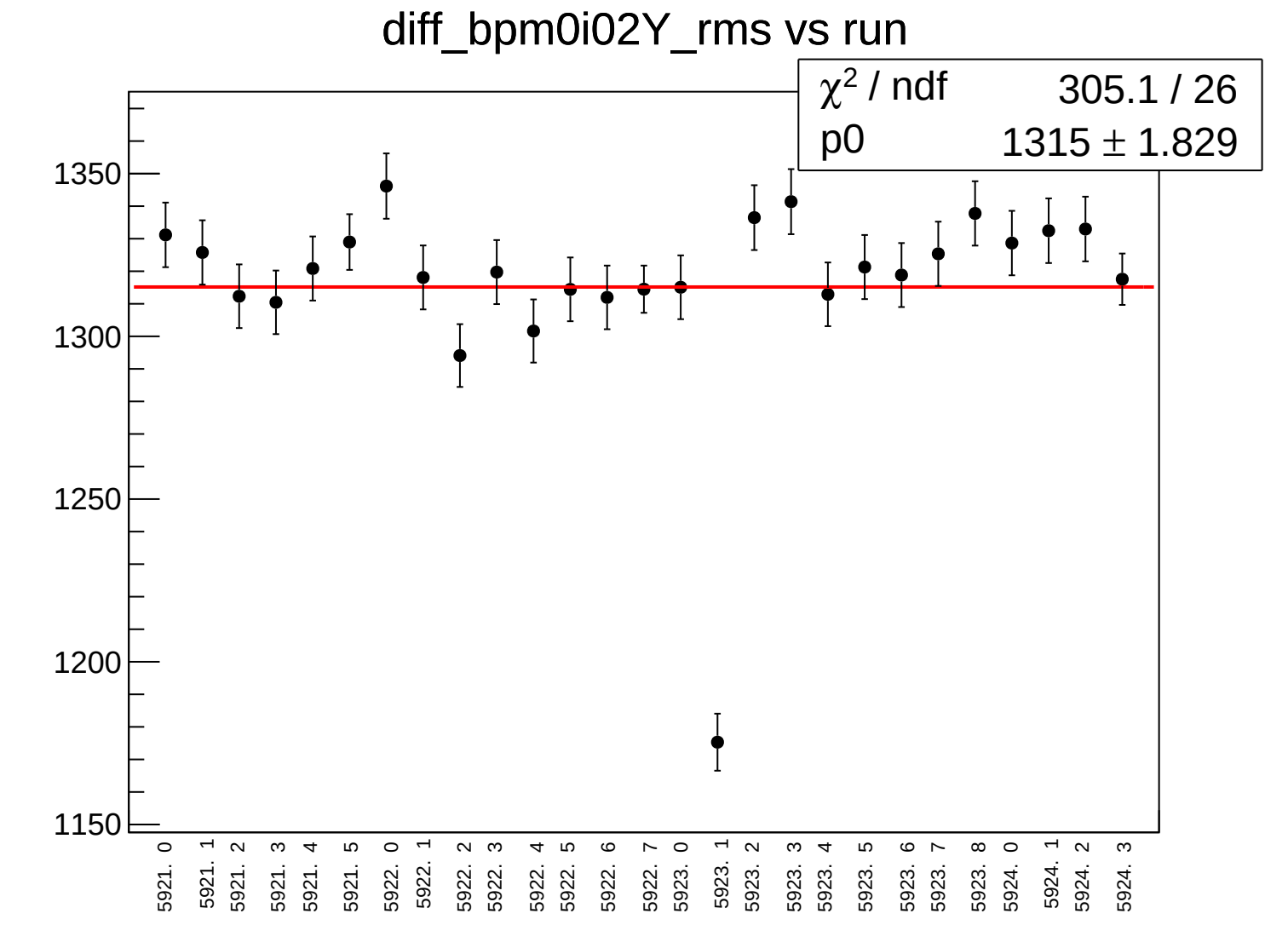

diff_bpm2i02Y_rms vs run
χ² / ndf 78.04 / 26
p0 876.1 ± 1.218
900
890
880
870
860
850
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

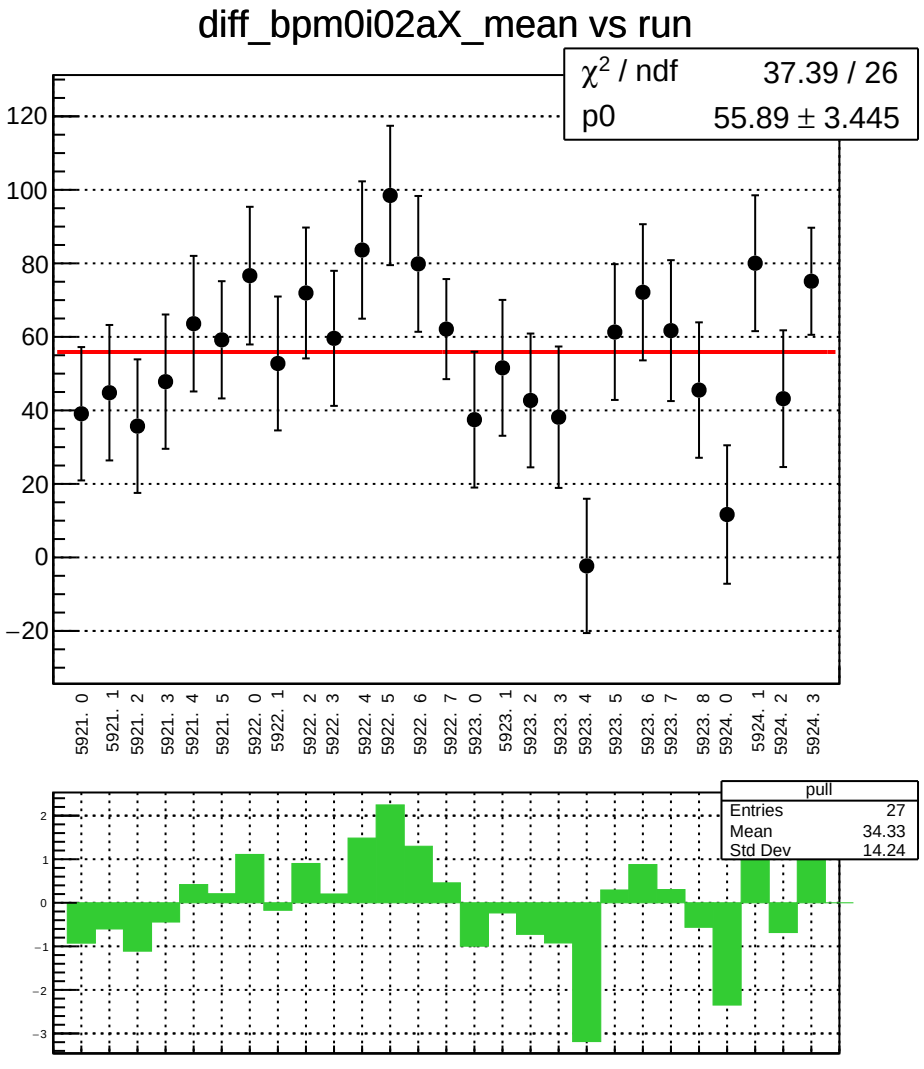

diff_bpm0i02X_mean vs run
χ² / ndf 29.88 / 26
p0 26.03 ± 2.814
60
40
20
0
−20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 10.58
Std Dev 8.162
1.5
1
0.5
0
−0.5
−1
−1.5
−2

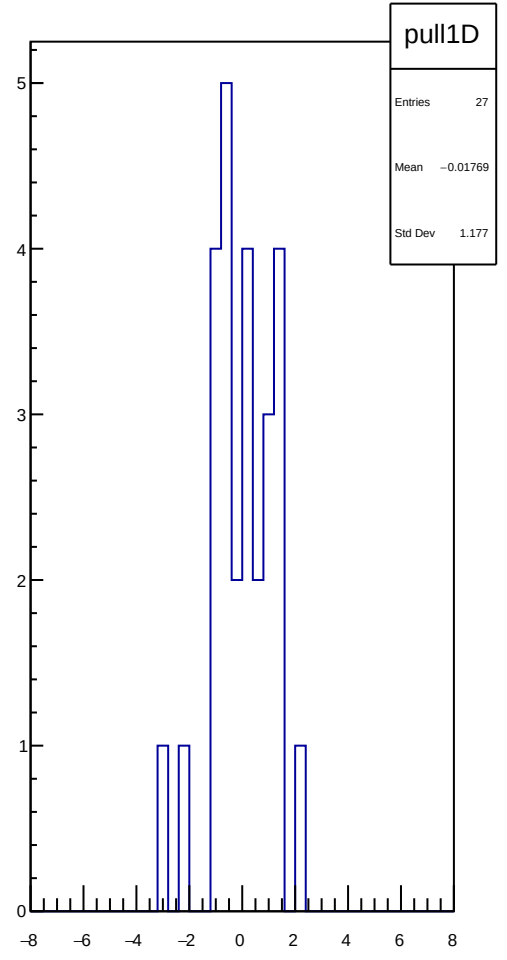

pull1D
Entries 27
Mean −0.007939
Std Dev 1.052
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

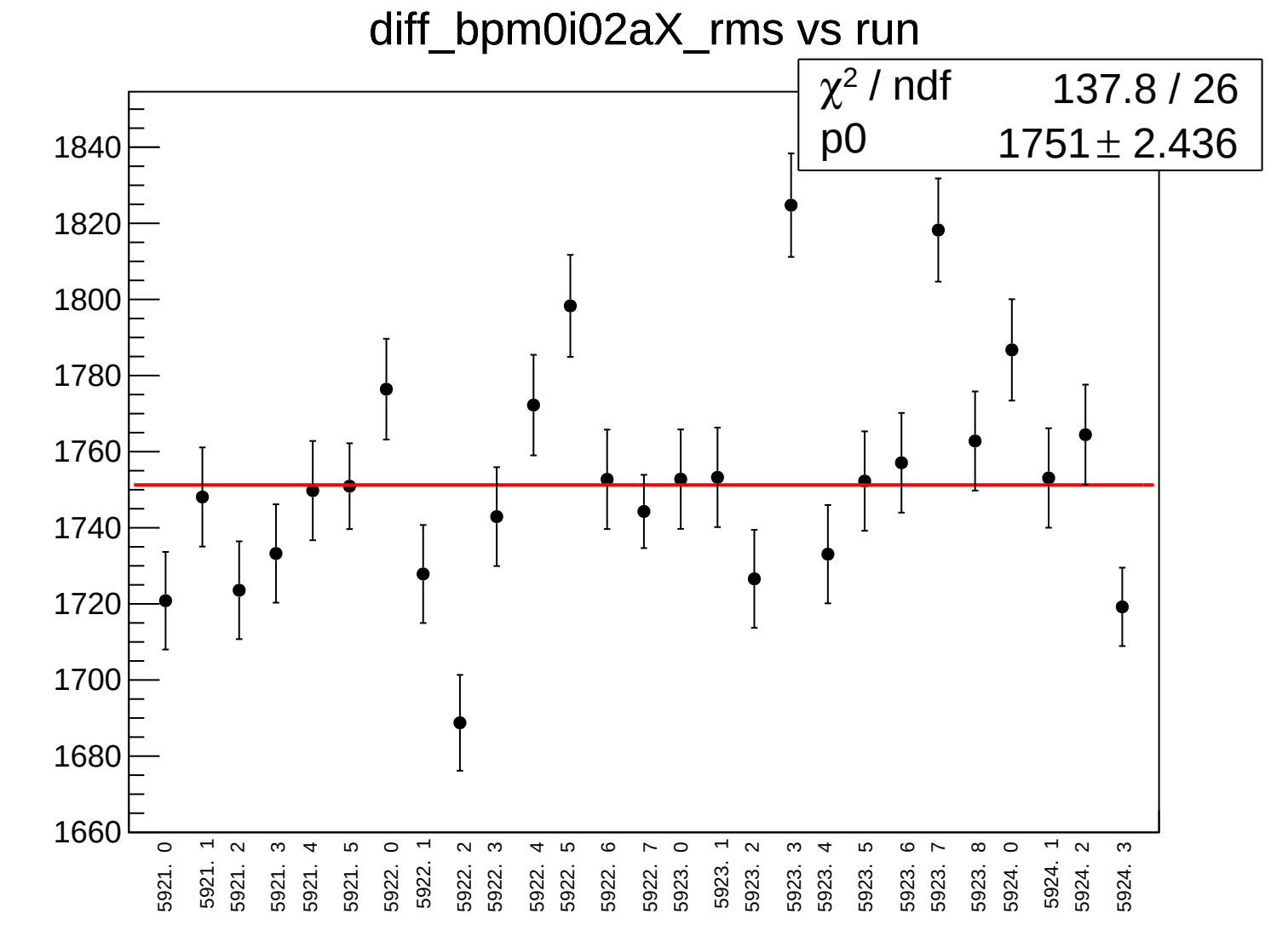

diff_bpm0i02X_rms vs run
χ² / ndf 46.66 / 26
p0 1431 ± 1.99
1460
1440
1420
1400
1380
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

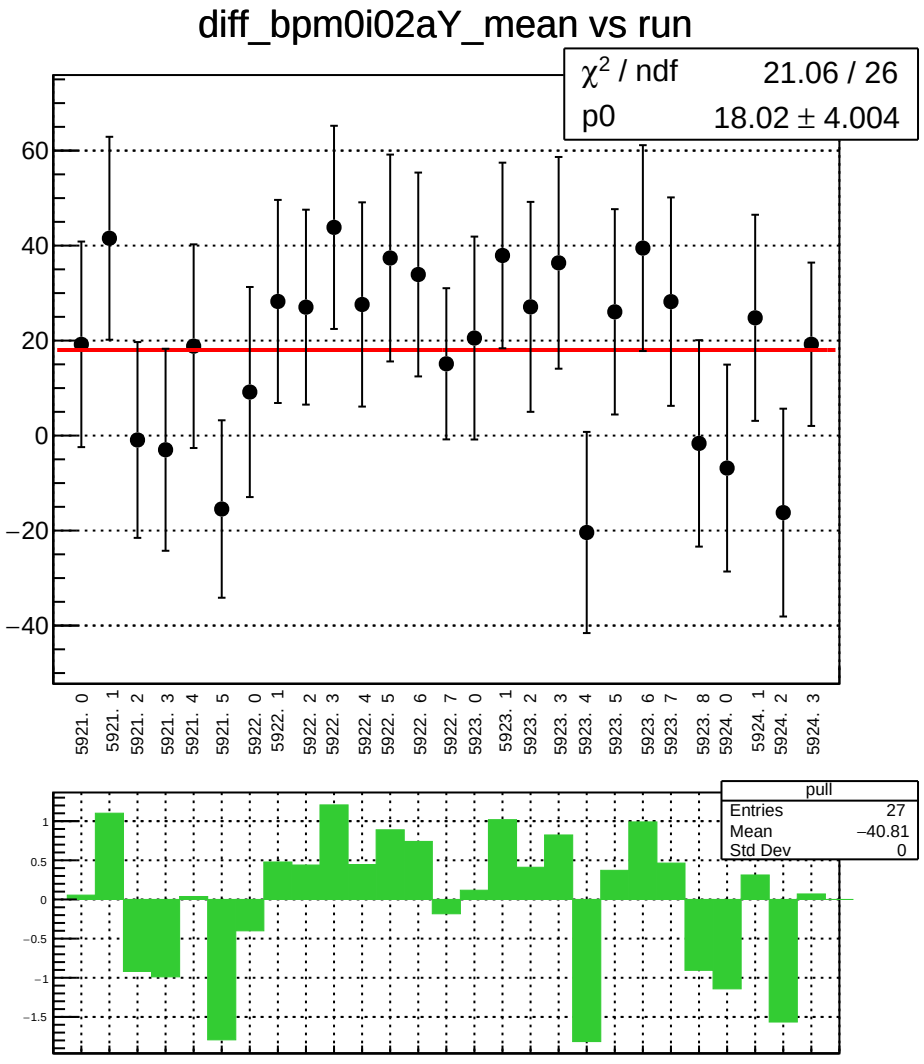

diff_bpm0i02Y_mean vs run
χ² / ndf 18.07 / 26
p0 16.6 ± 2.587
pull
Entries 27
Mean −0.2823
Std Dev 0
pull1D
Entries 27
Mean 0.01254
Std Dev 0.818

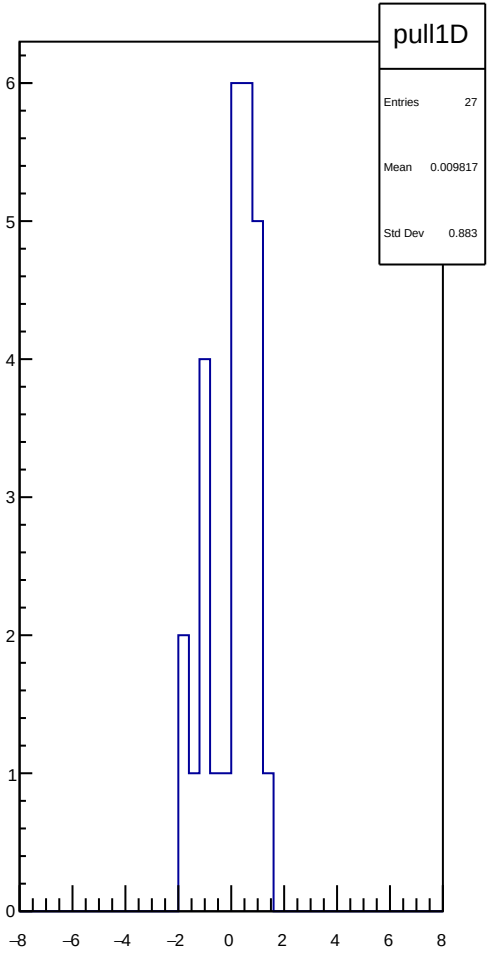

diff_bpm0i02Y_rms vs run
χ² / ndf 305.1 / 26
p0 1315 ± 1.829
1350
1300
1250
1200
1150
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

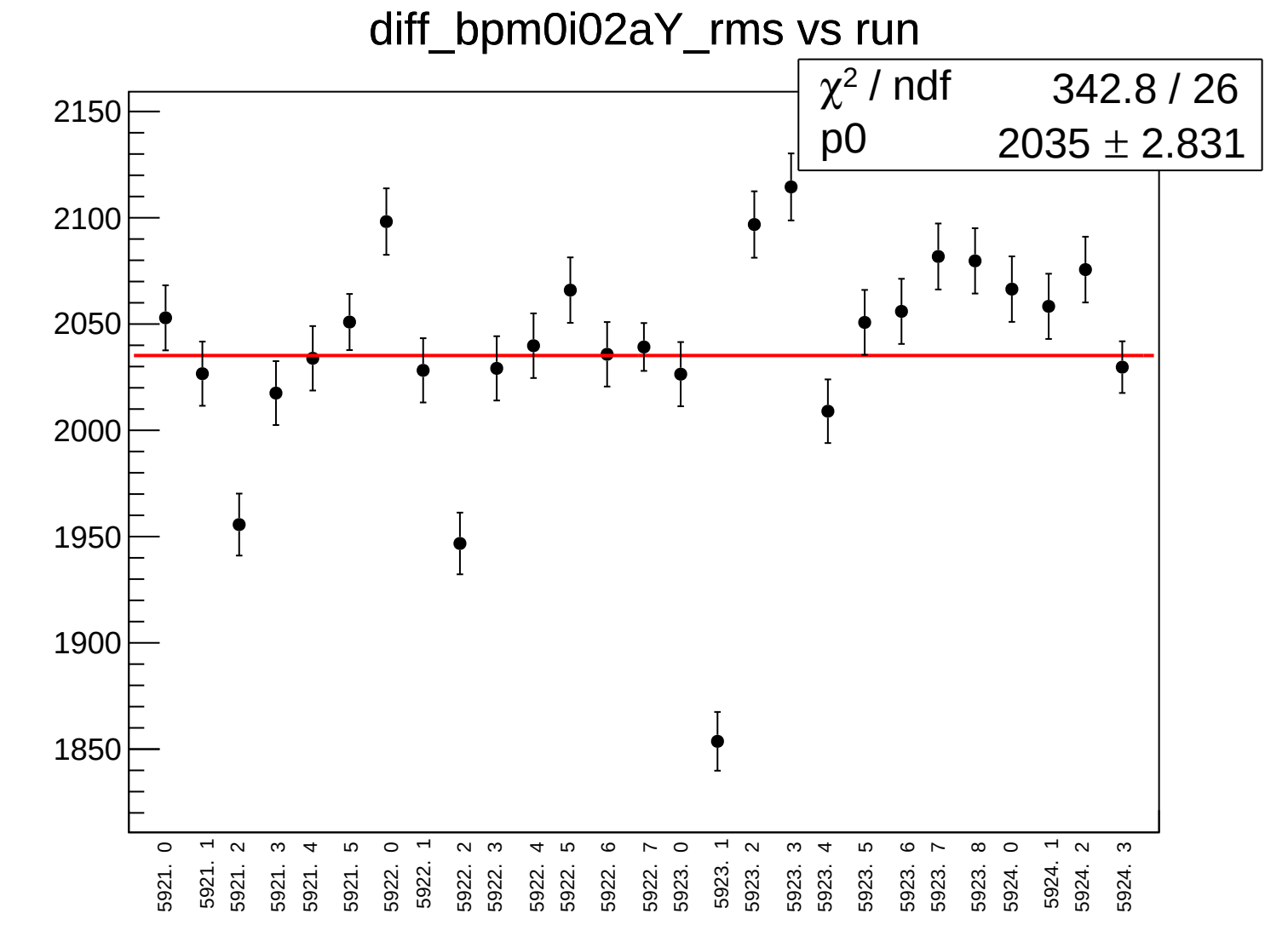

diff_bpm0i02aX_mean vs run
χ² / ndf 37.39 / 26
p0 55.89 ± 3.445
120
100
80
60
40
20
0
−20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 34.33
Std Dev 14.24
2
1
0
−1
−2
−3

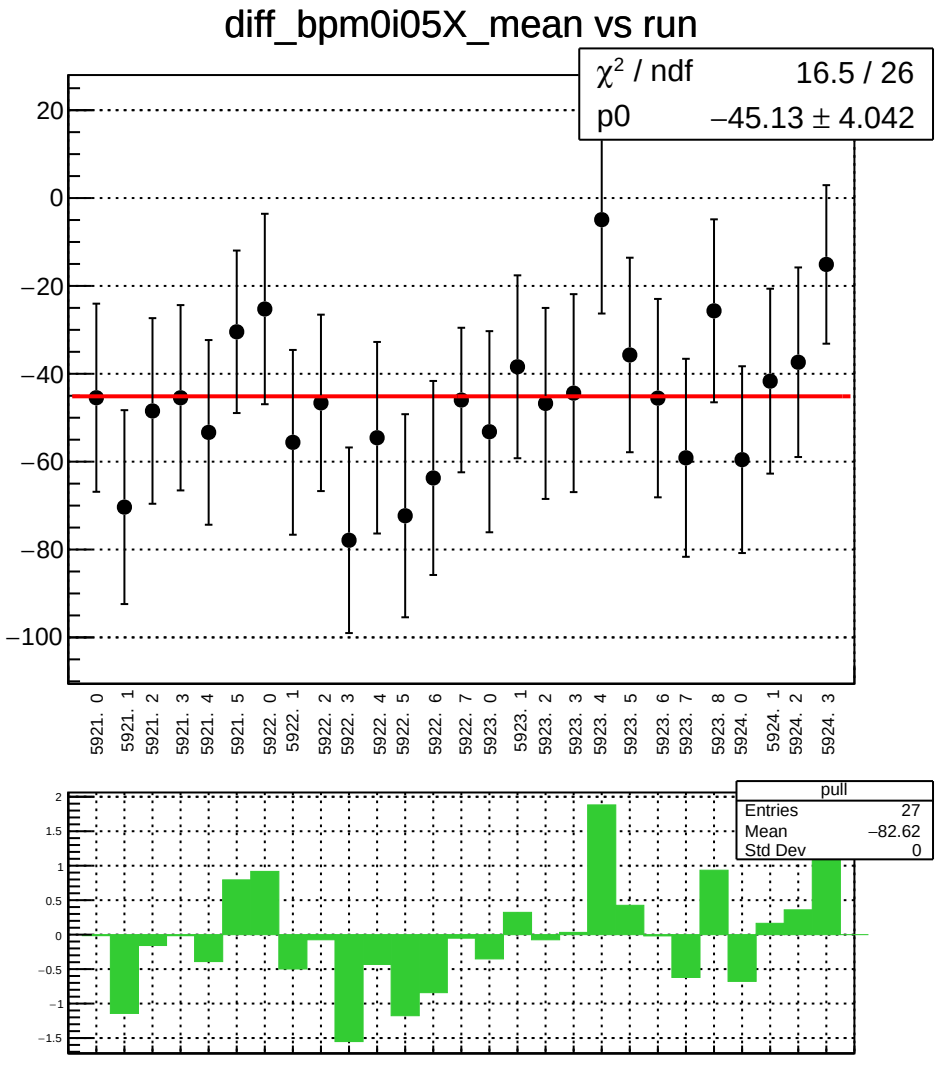

pull1D
Entries 27
Mean −0.01769
Std Dev 1.177
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

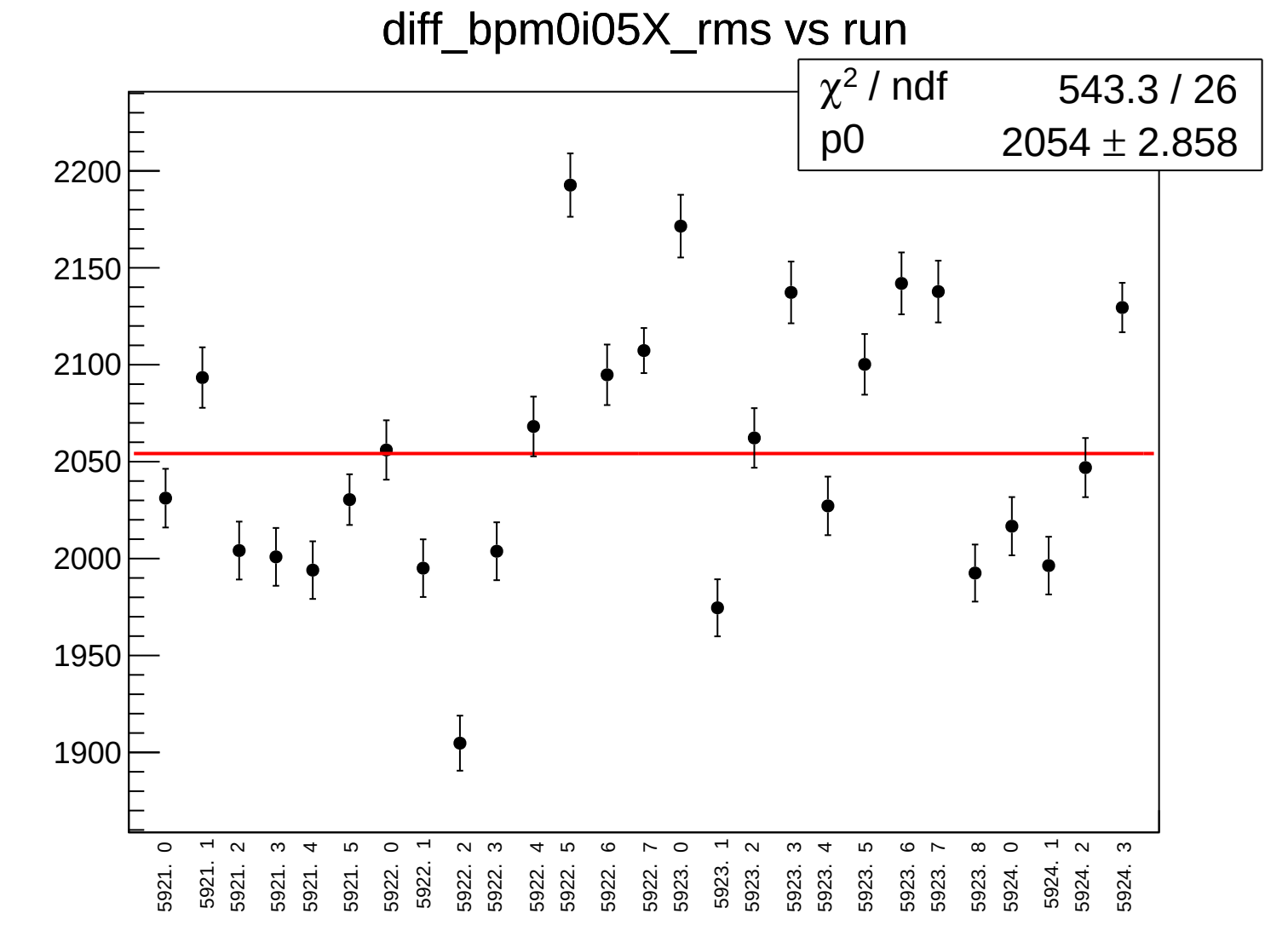

diff_bpm0i02aX_rms vs run
χ² / ndf 137.8 / 26
p0 1751 ± 2.436
1840
1820
1800
1780
1760
1740
1720
1700
1680
1660
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

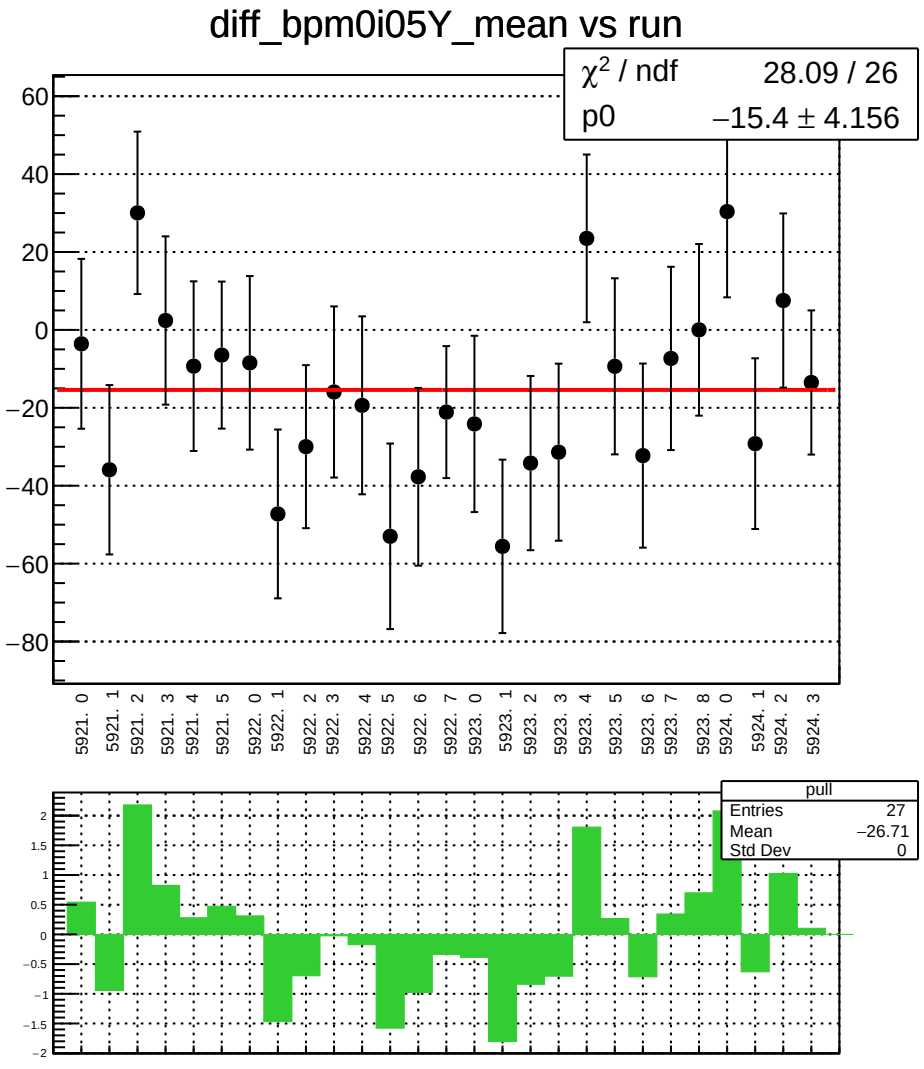

diff_bpm0i02aY_mean vs run
χ² / ndf 21.06 / 26
p0 18.02 ± 4.004
60
40
20
0
−20
−40
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −40.81
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

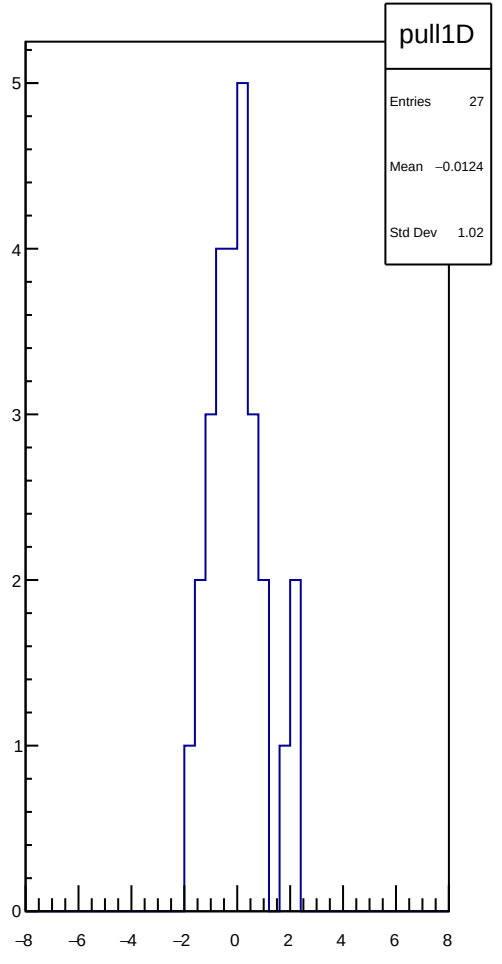

pull1D
Entries 27
Mean 0.009817
Std Dev 0.883
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

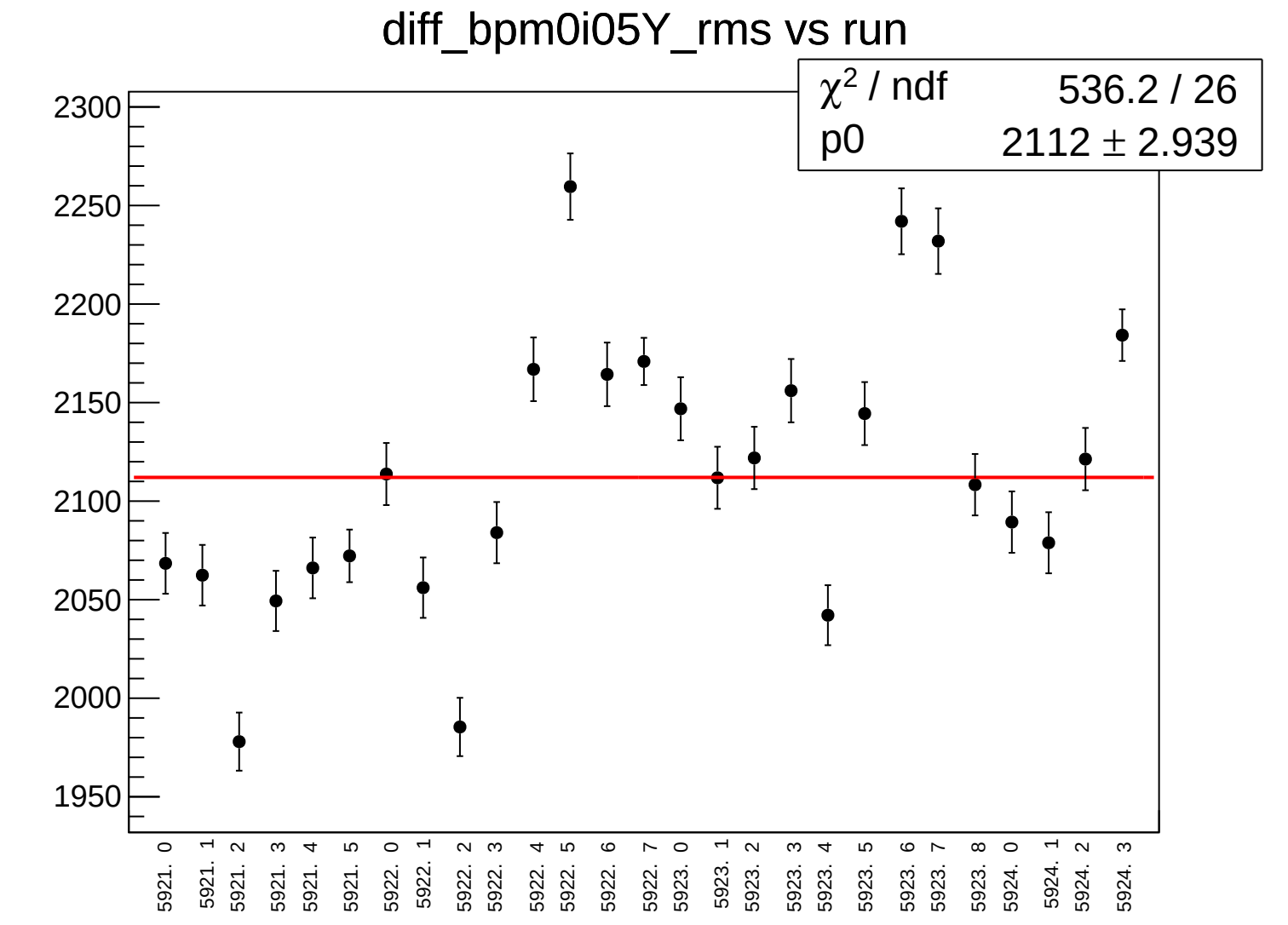

diff_bpm0i02aY_rms vs run
χ² / ndf 342.8 / 26
p0 2035 ± 2.831
2150
2100
2050
2000
1950
1900
1850
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

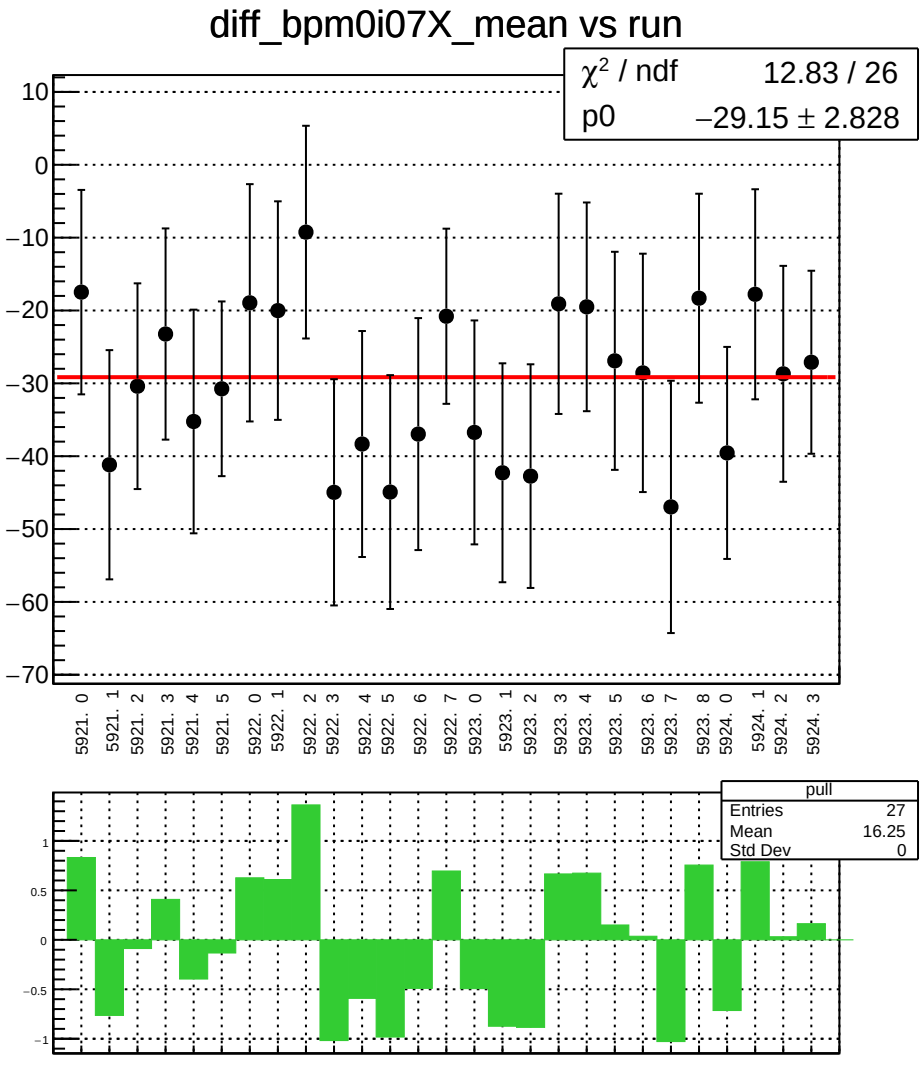

diff_bpm0i05X_mean vs run
χ² / ndf 16.5 / 26
p0 −45.13 ± 4.042
20
0
−20
−40
−60
−80
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −82.62
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.02198
Std Dev 0.7814
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

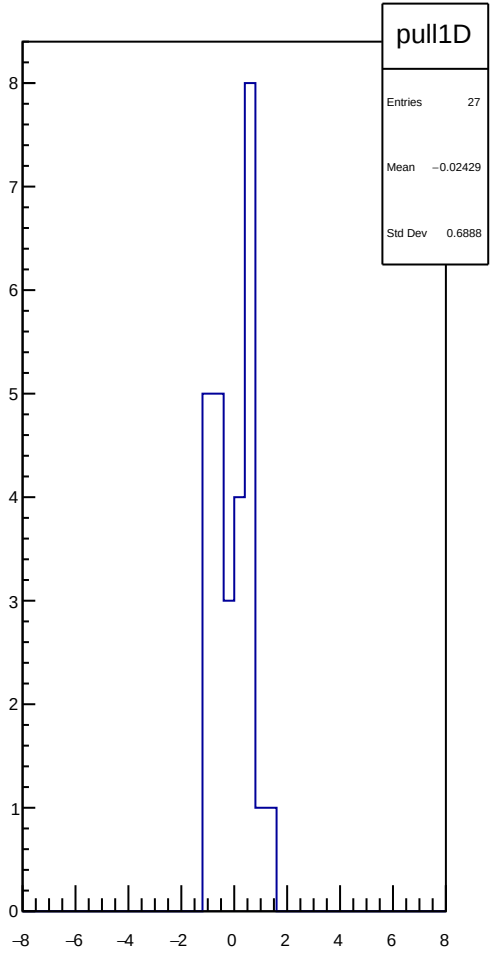

diff_bpm0i05X_rms vs run
χ² / ndf 543.3 / 26
p0 2054 ± 2.858
2200
2150
2100
2050
2000
1950
1900
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

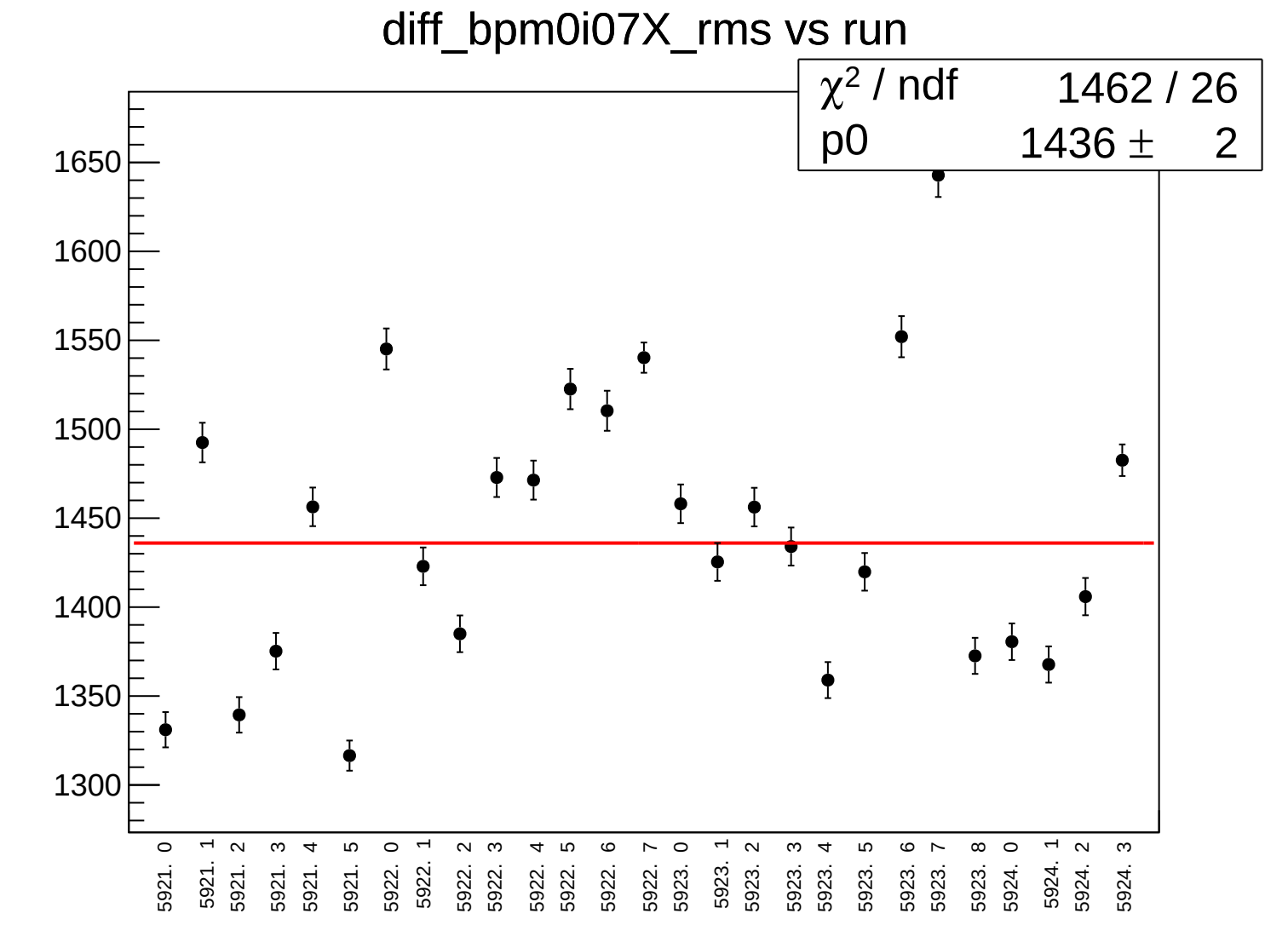

diff_bpm0i05Y_mean vs run
χ² / ndf 28.09 / 26
p0 −15.4 ± 4.156
60
40
20
0
−20
−40
−60
−80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −26.71
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

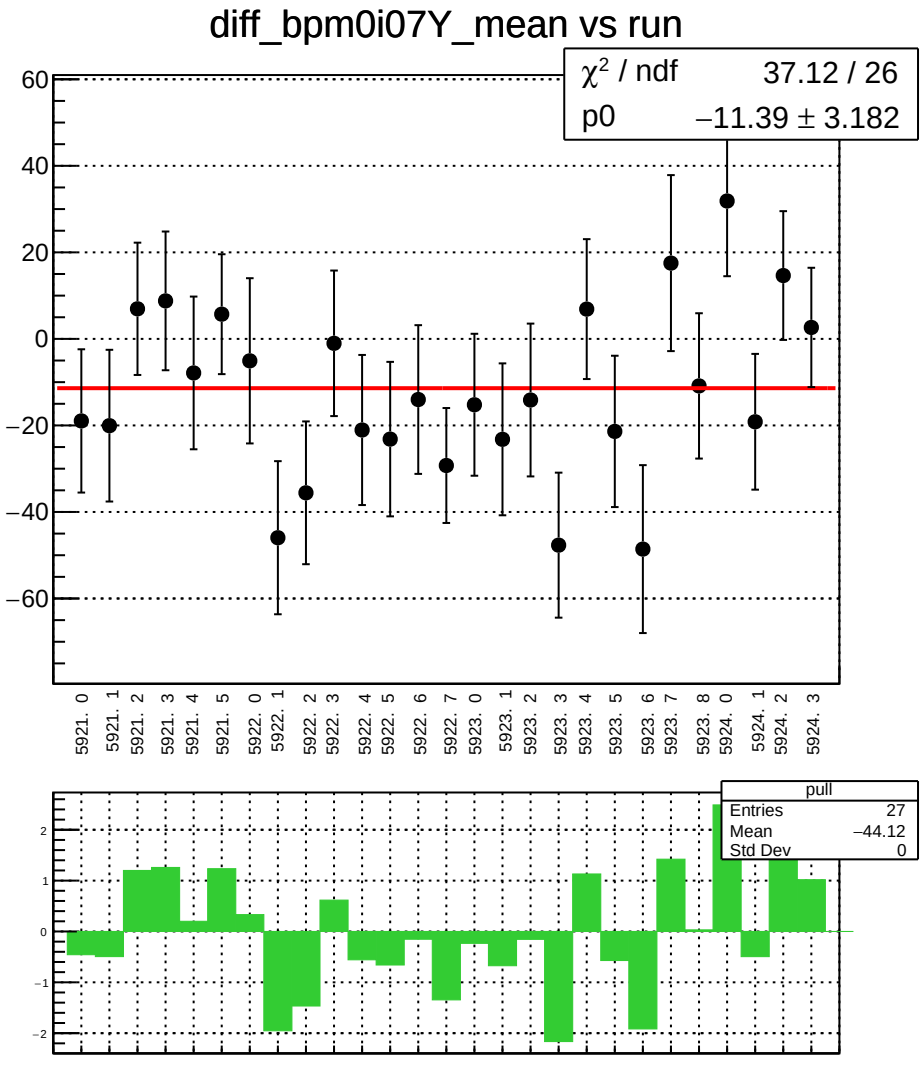

pull1D
Entries 27
Mean −0.0124
Std Dev 1.02
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

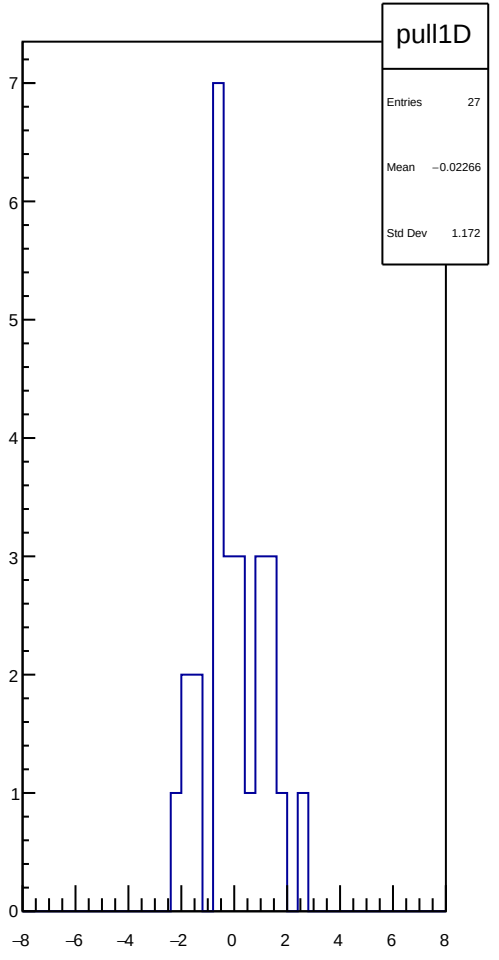

diff_bpm0i05Y_rms vs run
χ² / ndf 536.2 / 26
p0 2112 ± 2.939
2300
2250
2200
2150
2100
2050
2000
1950
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

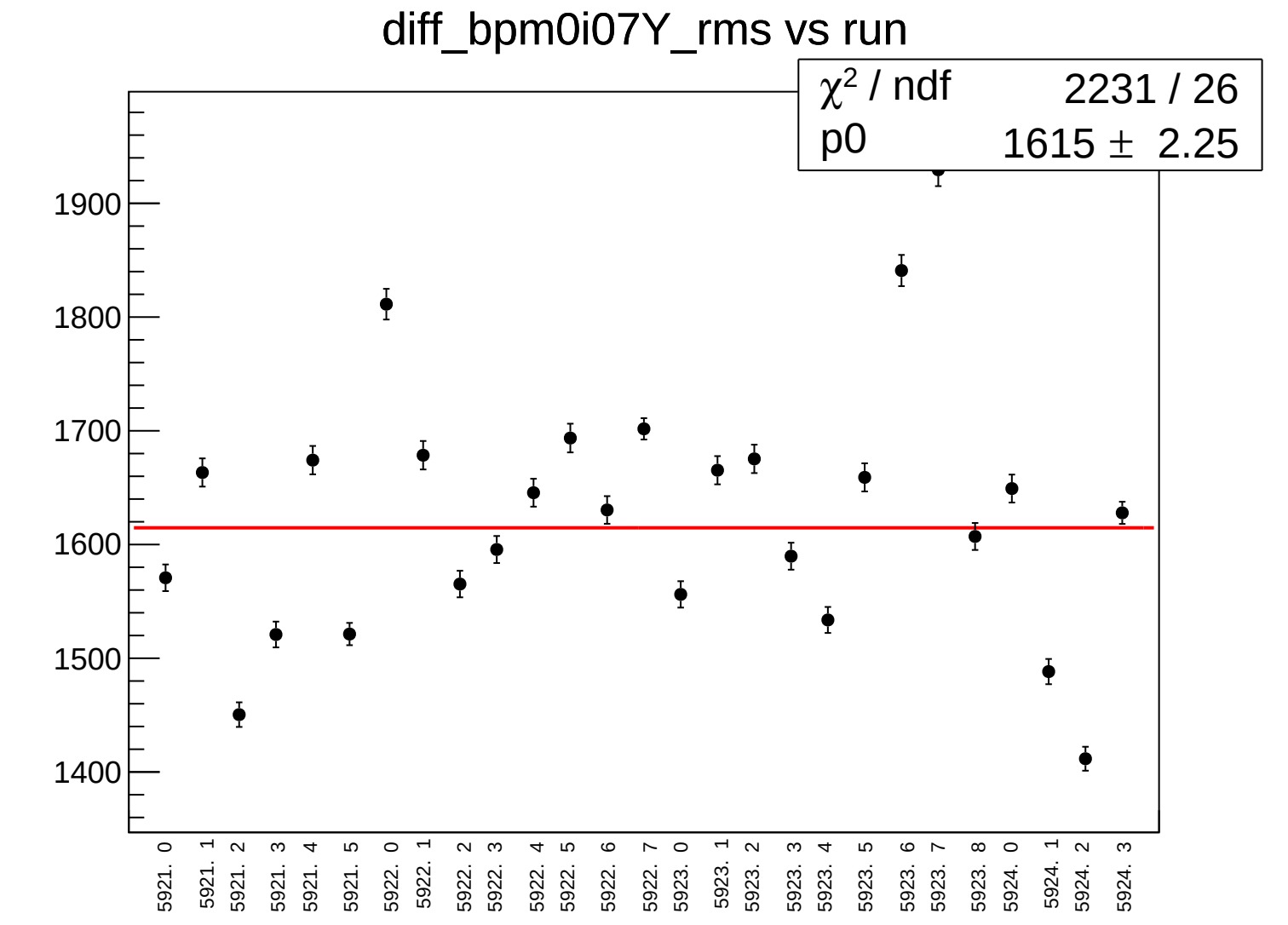

diff_bpm0i07X_mean vs run
χ² / ndf 12.83 / 26
p0 −29.15 ± 2.828
10
0
−10
−20
−30
−40
−50
−60
−70
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 16.25
Std Dev 0
1
0.5
0
−0.5
−1

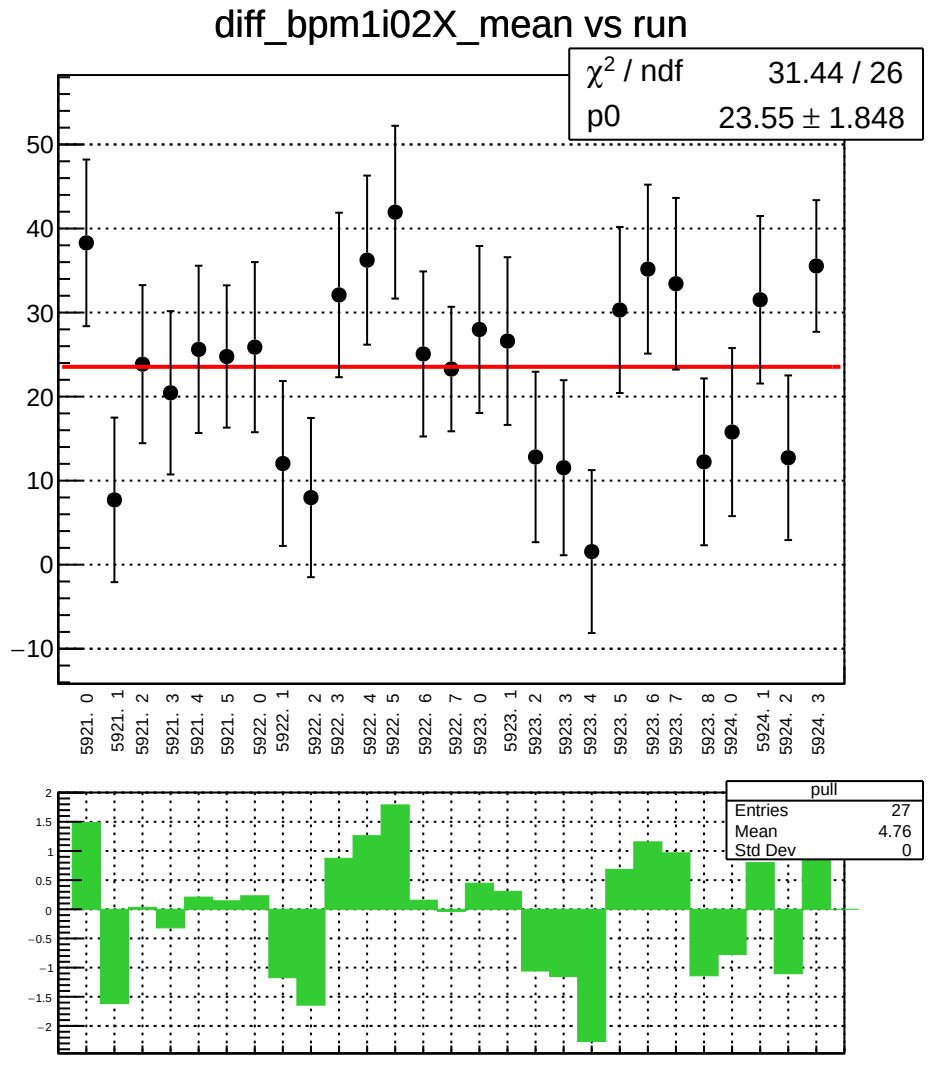

pull1D
Entries 27
Mean −0.02429
Std Dev 0.6888
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

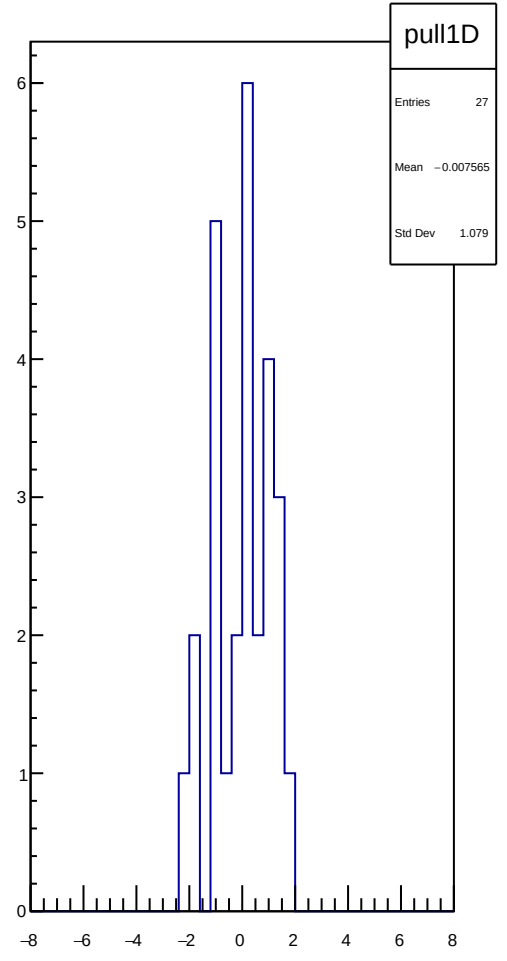

diff_bpm0i07X_rms vs run
χ² / ndf 1462 / 26
p0 1436 ± 2
1650
1600
1550
1500
1450
1400
1350
1300
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

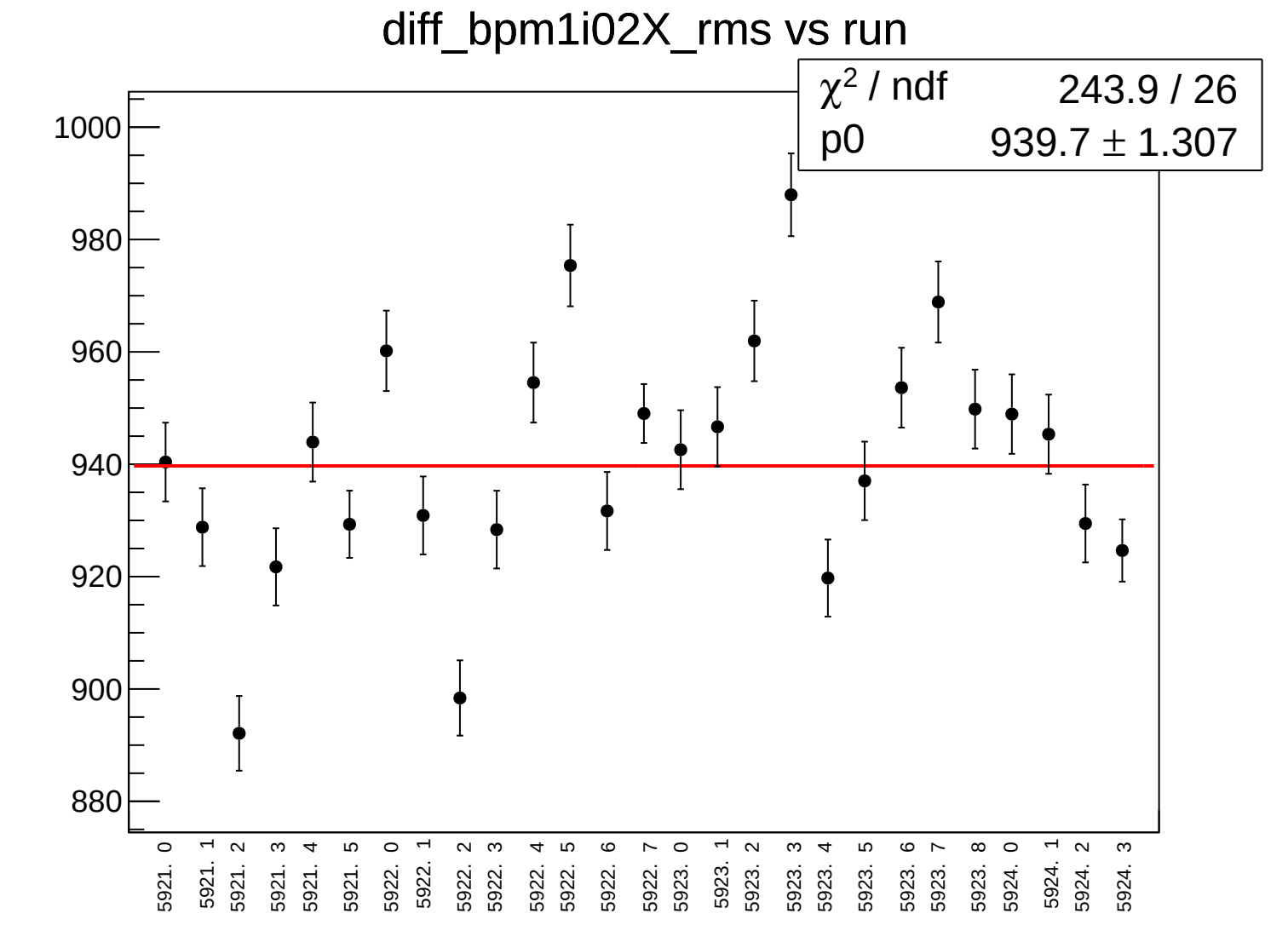

diff_bpm0i07Y_mean vs run
χ² / ndf 37.12 / 26
p0 −11.39 ± 3.182
60
40
20
0
−20
−40
−60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −44.12
Std Dev 0
2
1
0
−1
−2

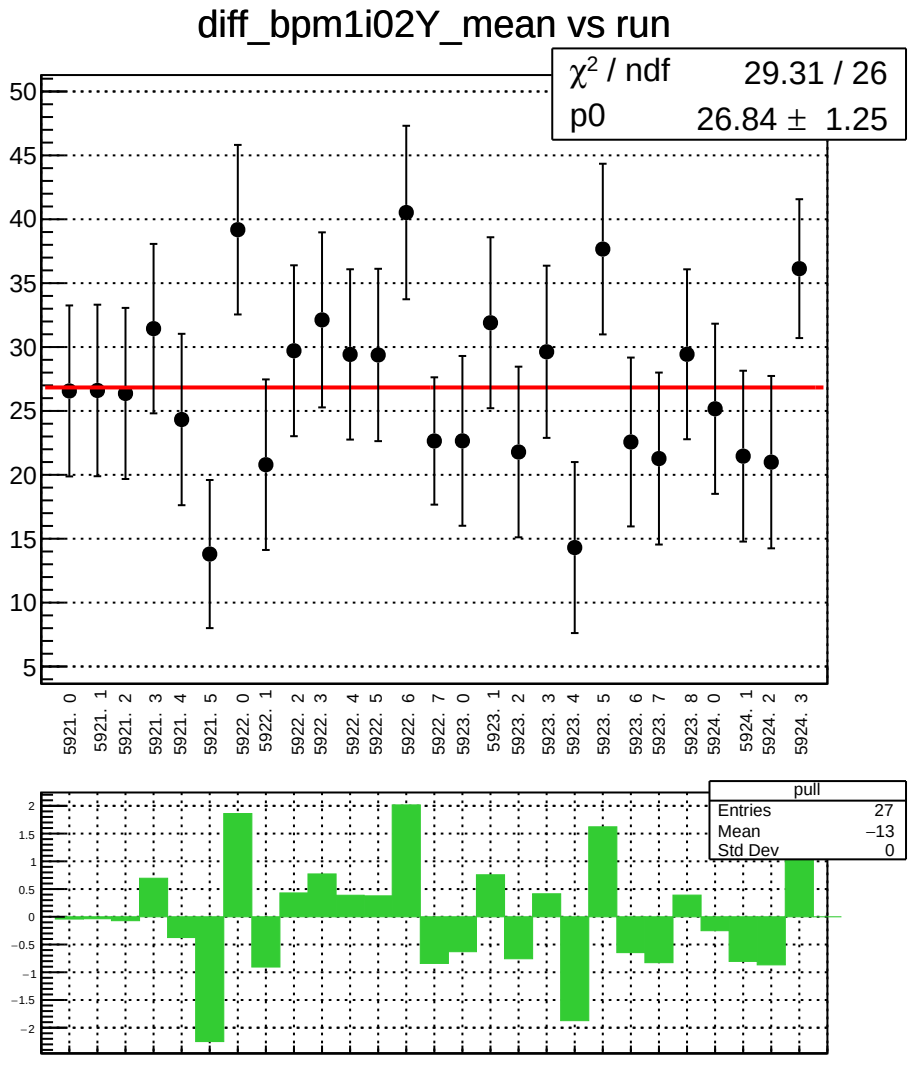

pull1D
Entries 27
Mean −0.02266
Std Dev 1.172
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

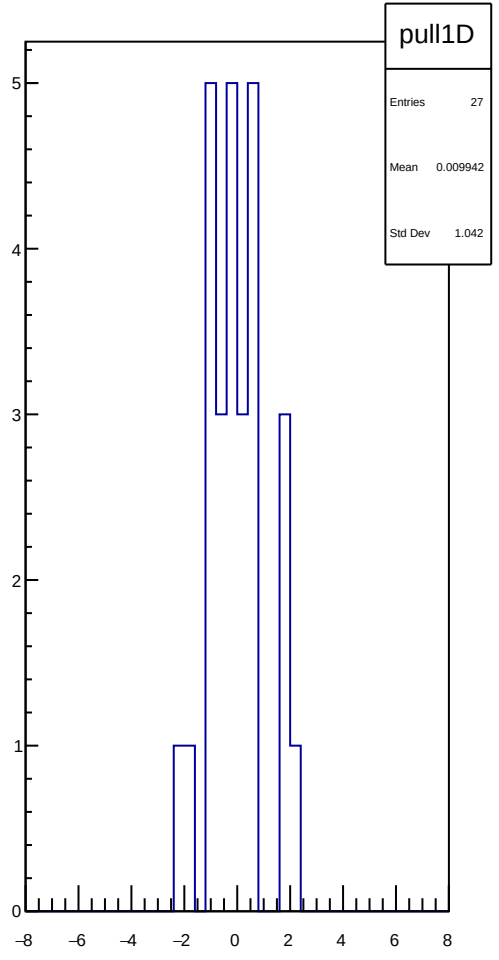

diff_bpm0i07Y_rms vs run
χ² / ndf 2231 / 26
p0 1615 ± 2.25
1900
1800
1700
1600
1500
1400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

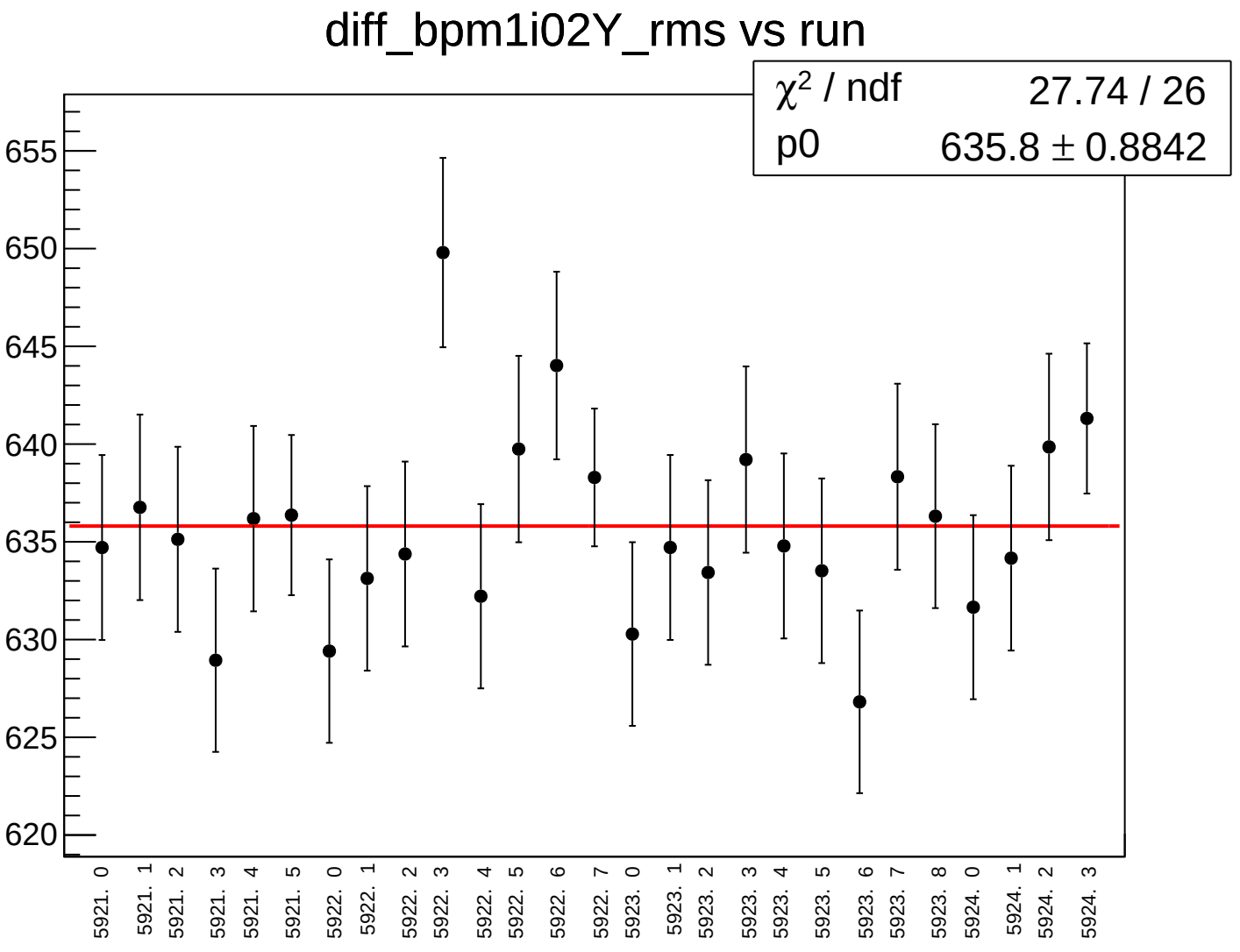

diff_bpm1i02X_mean vs run
χ² / ndf 31.44 / 26
p0 23.55 ± 1.848
50
40
30
20
10
0
−10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 4.76
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

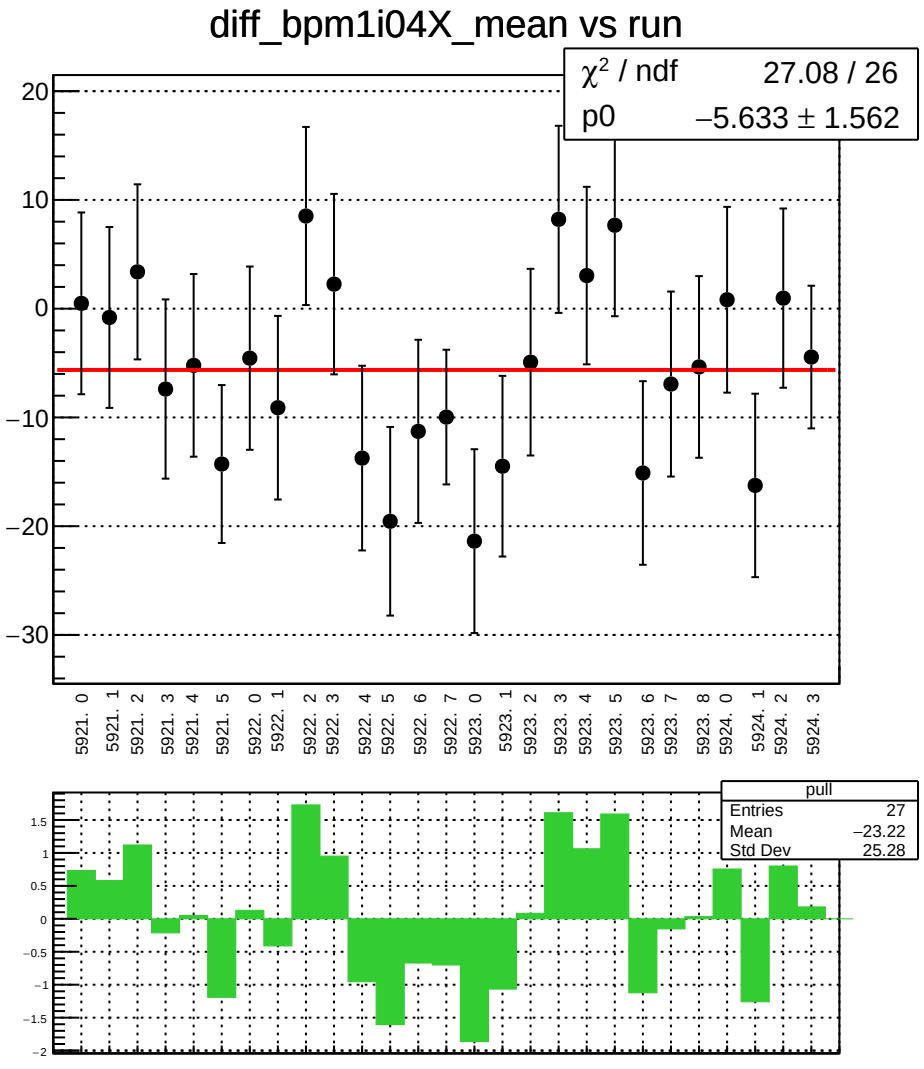

pull1D
Entries 27
Mean −0.007565
Std Dev 1.079
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

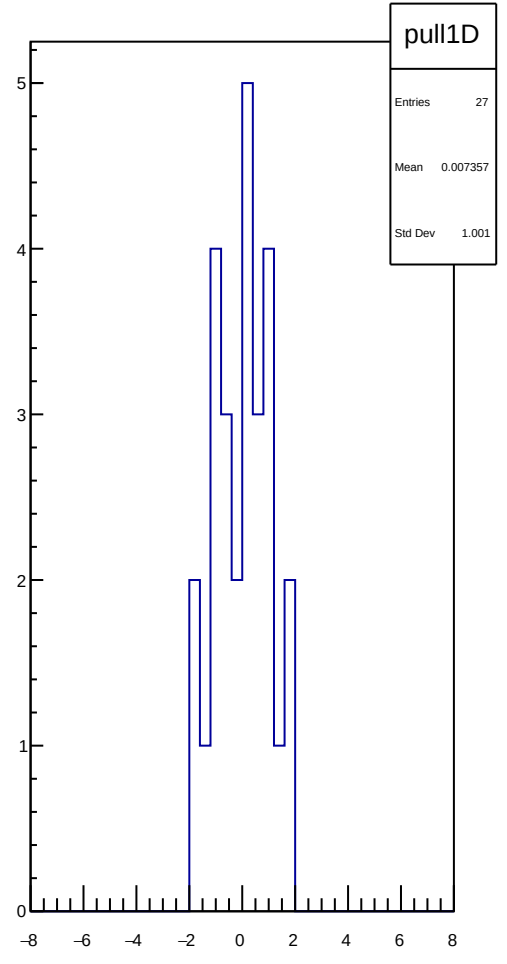

diff_bpm1i02X_rms vs run
χ² / ndf 243.9 / 26
p0 939.7 ± 1.307
1000
980
960
940
920
900
880
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

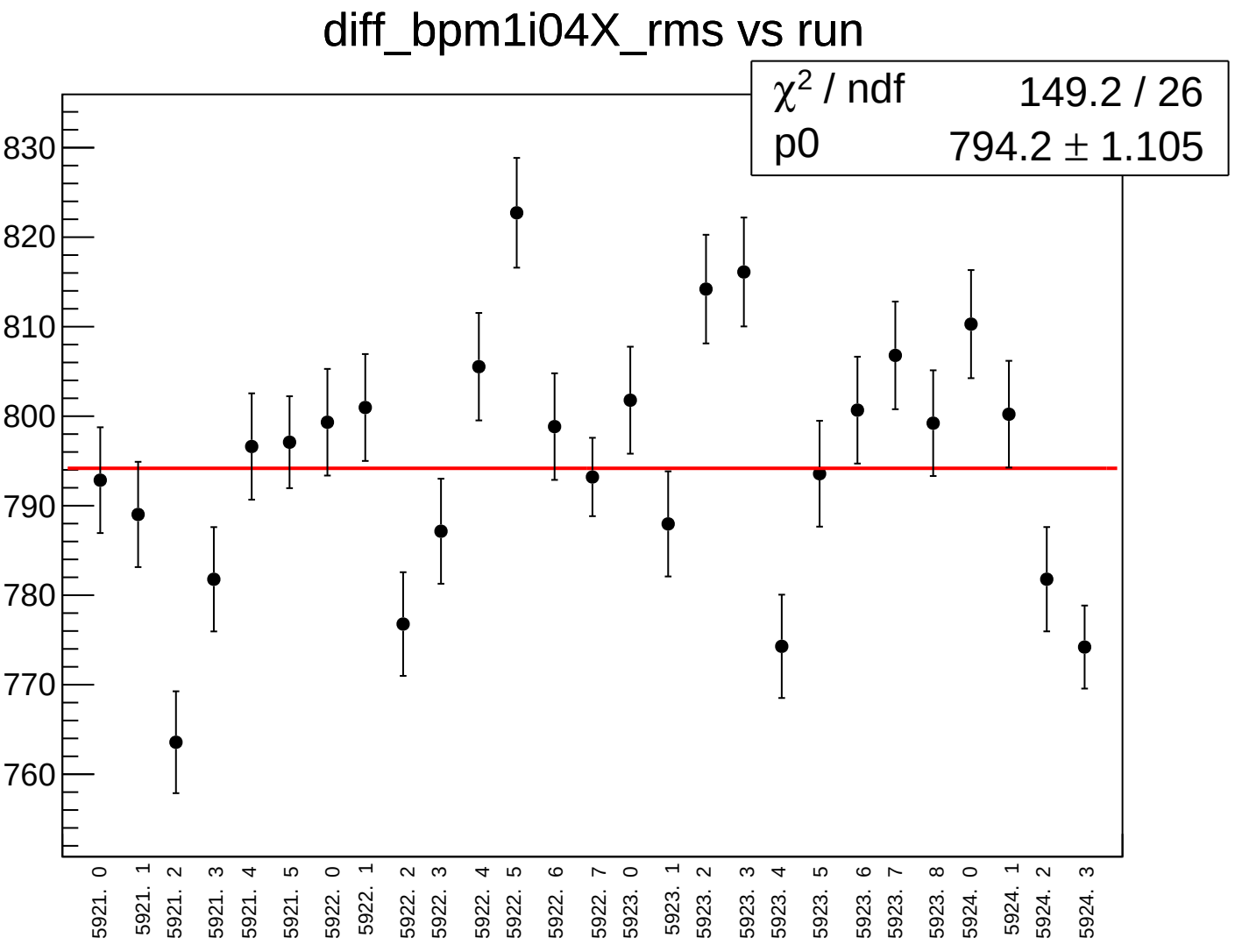

diff_bpm1i02Y_mean vs run
χ² / ndf 29.31 / 26
p0 26.84 ± 1.25
pull
Entries 27
Mean −13
Std Dev 0

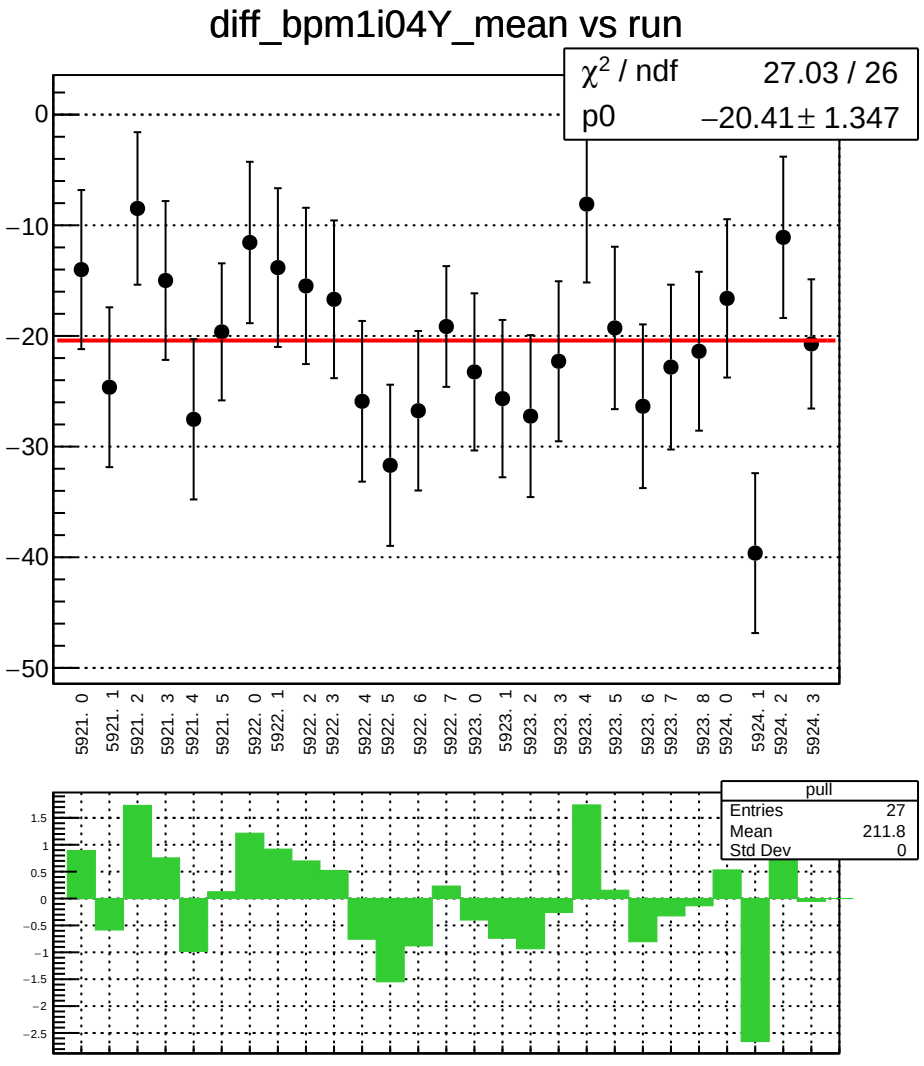

pull1D
Entries 27
Mean 0.009942
Std Dev 1.042

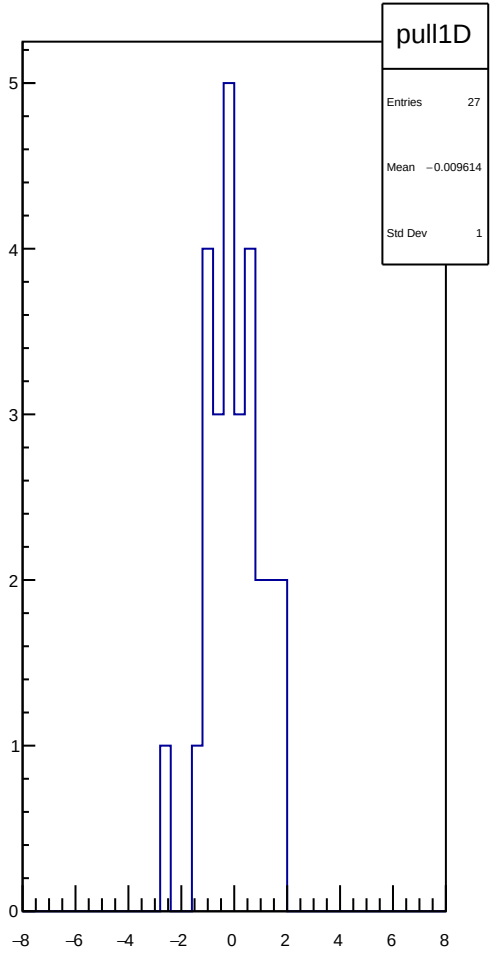

diff_bpm1i02Y_rms vs run
χ² / ndf 27.74 / 26
p0 635.8 ± 0.8842
655
650
645
640
635
630
625
620
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

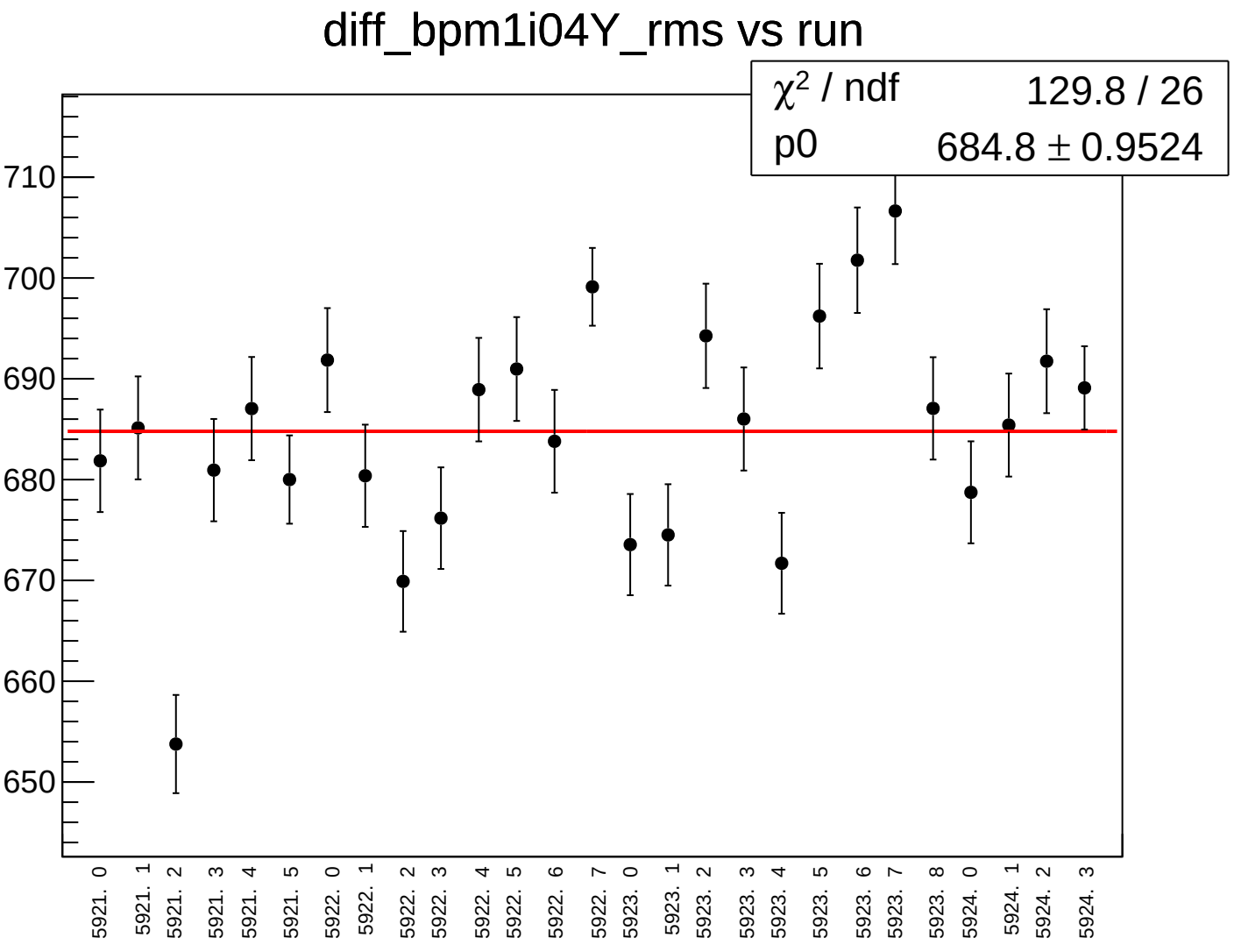

diff_bpm1i04X_mean vs run
χ² / ndf 27.08 / 26
p0 −5.633 ± 1.562
20
10
0
−10
−20
−30
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −23.22
Std Dev 25.28
1.5
1
0.5
0
−0.5
−1
−1.5
−2

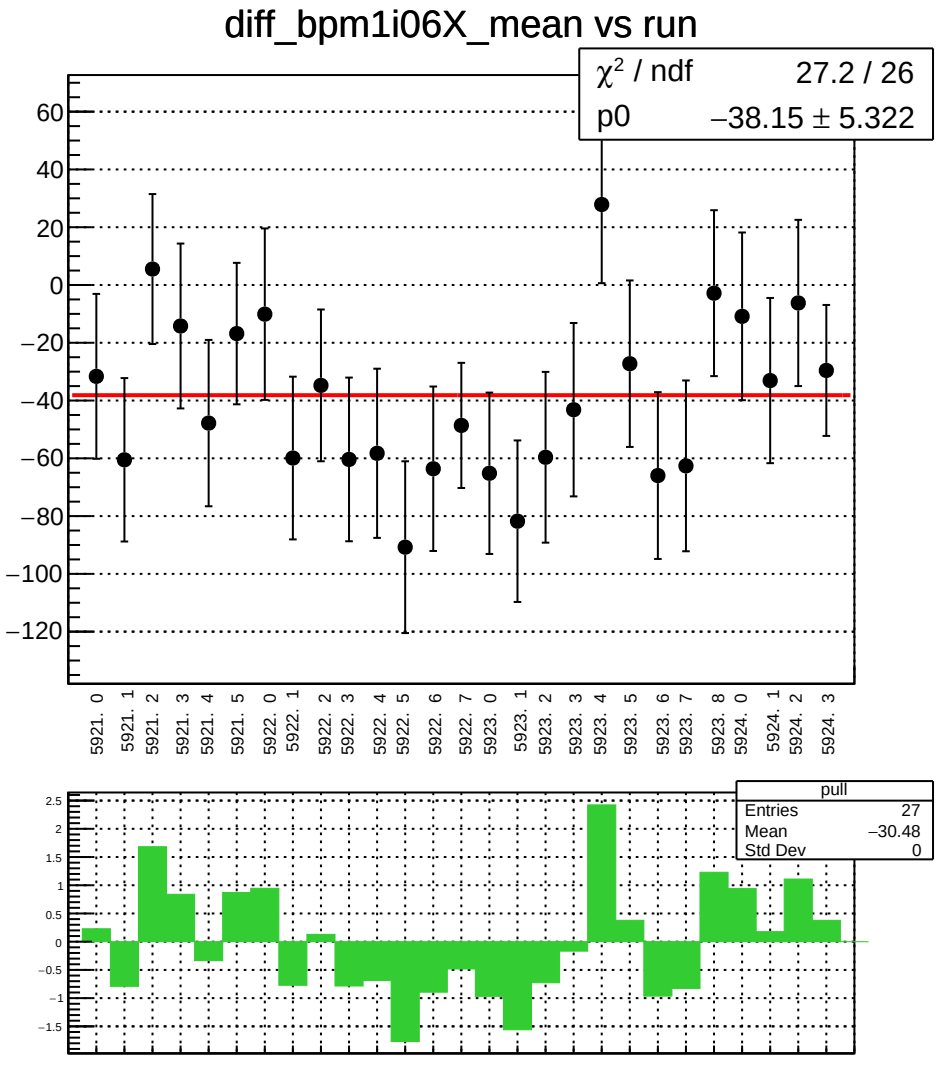

pull1D
Entries 27
Mean 0.007357
Std Dev 1.001
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

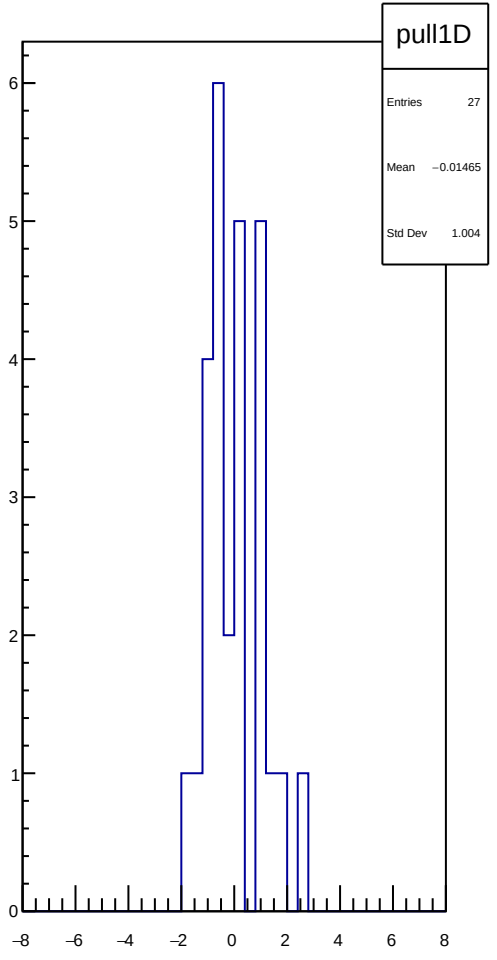

diff_bpm1i04X_rms vs run
χ² / ndf 149.2 / 26
p0 794.2 ± 1.105
830
820
810
800
790
780
770
760
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

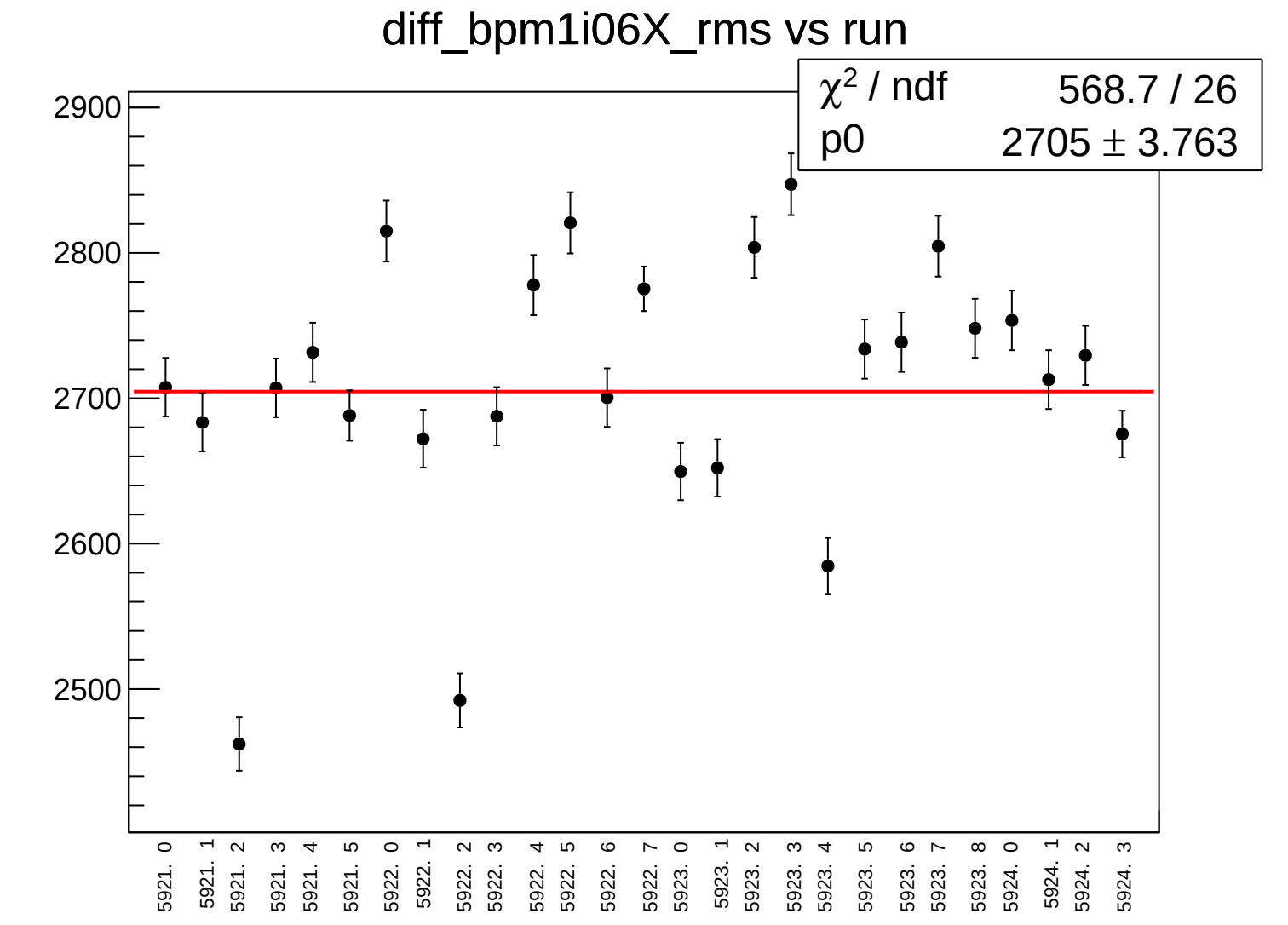

diff_bpm1i04Y_mean vs run
χ² / ndf 27.03 / 26
p0 −20.41± 1.347
0
−10
−20
−30
−40
−50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 211.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

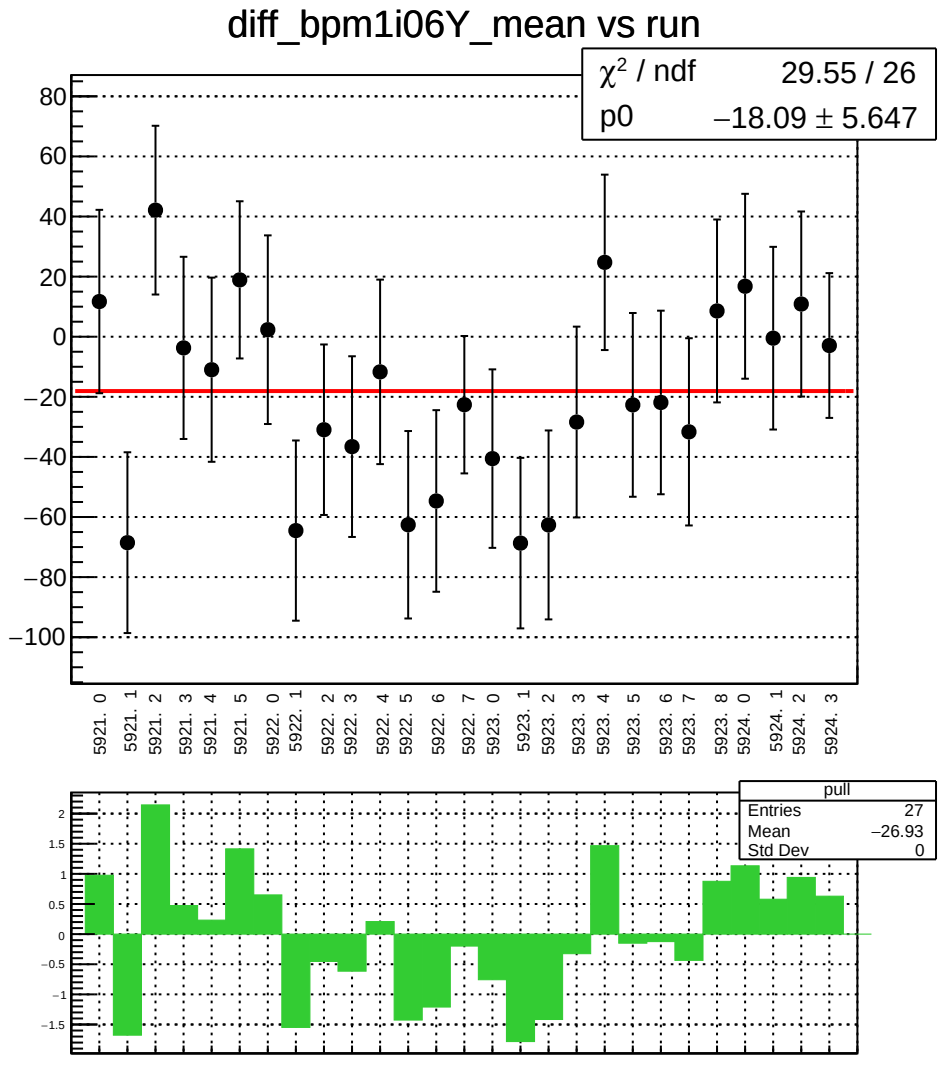

pull1D
Entries 27
Mean −0.009614
Std Dev 1
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

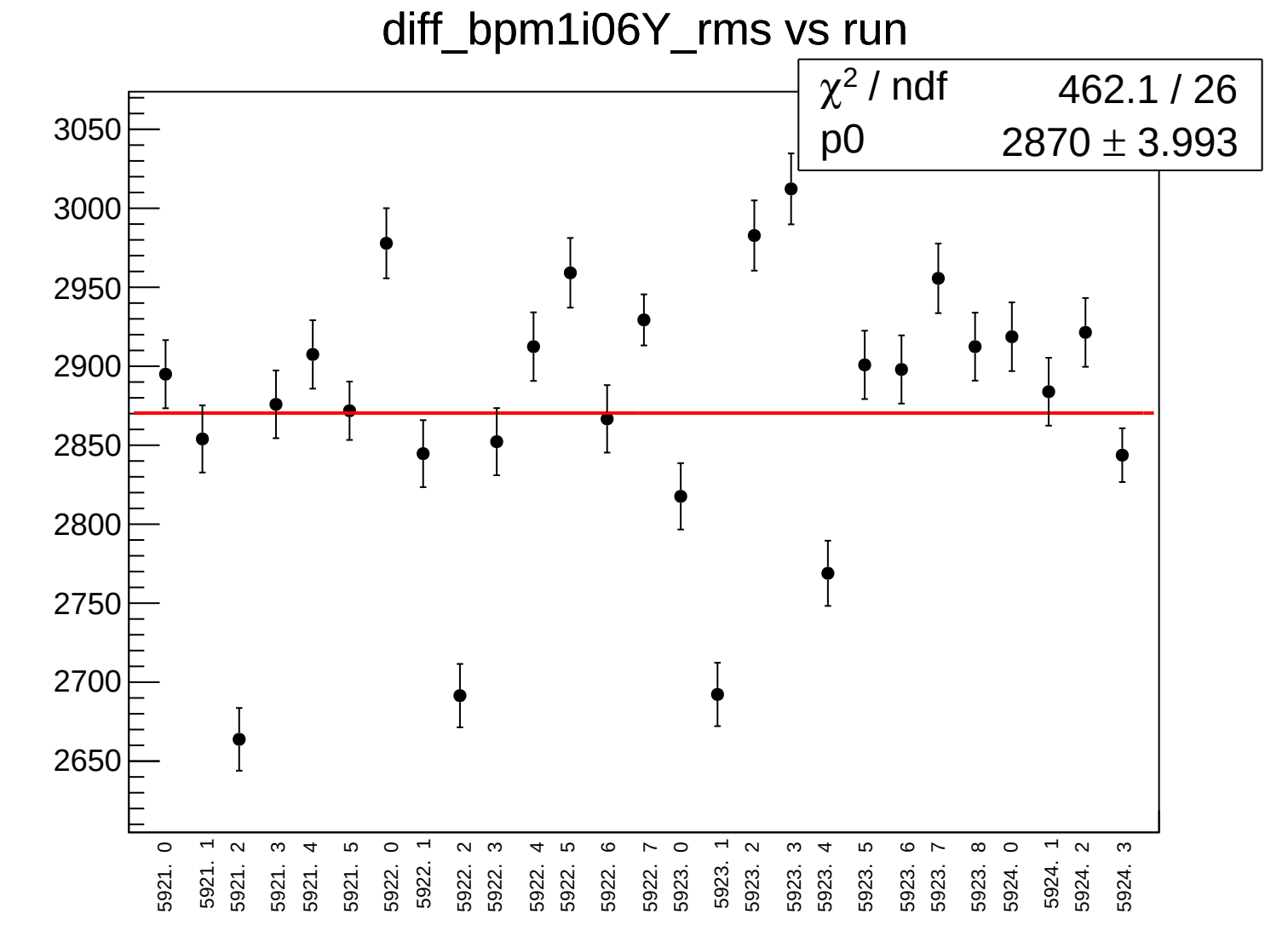

diff_bpm1i04Y_rms vs run
χ² / ndf 129.8 / 26
p0 684.8 ± 0.9524
710
700
690
680
670
660
650
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

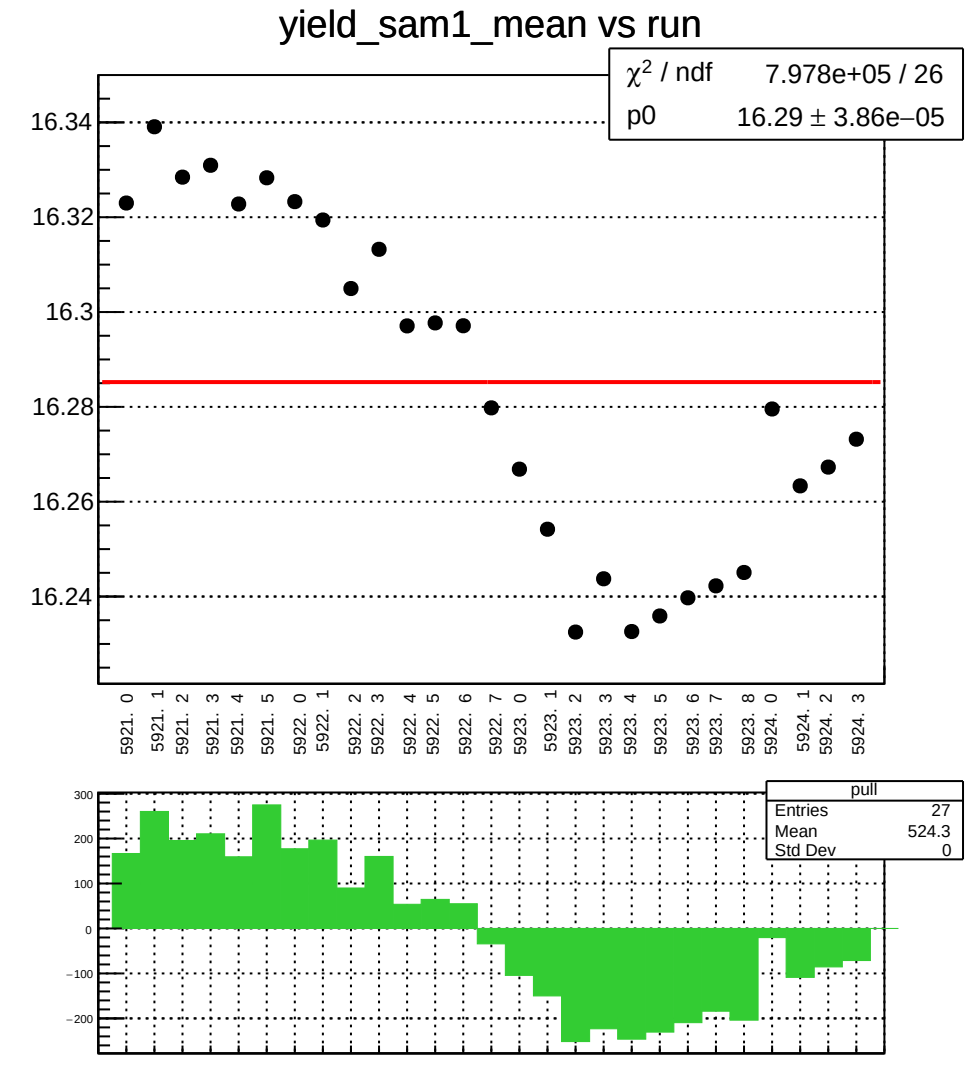

diff_bpm1i06X_mean vs run
χ² / ndf 27.2 / 26
p0 −38.15 ± 5.322
60
40
20
0
−20
−40
−60
−80
−100
−120
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −30.48
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

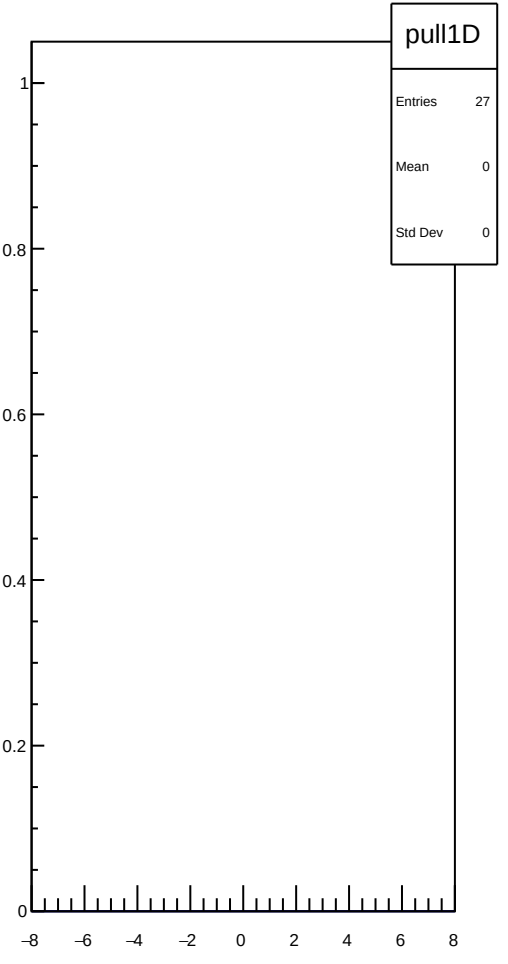

pull1D
Entries 27
Mean −0.01465
Std Dev 1.004
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

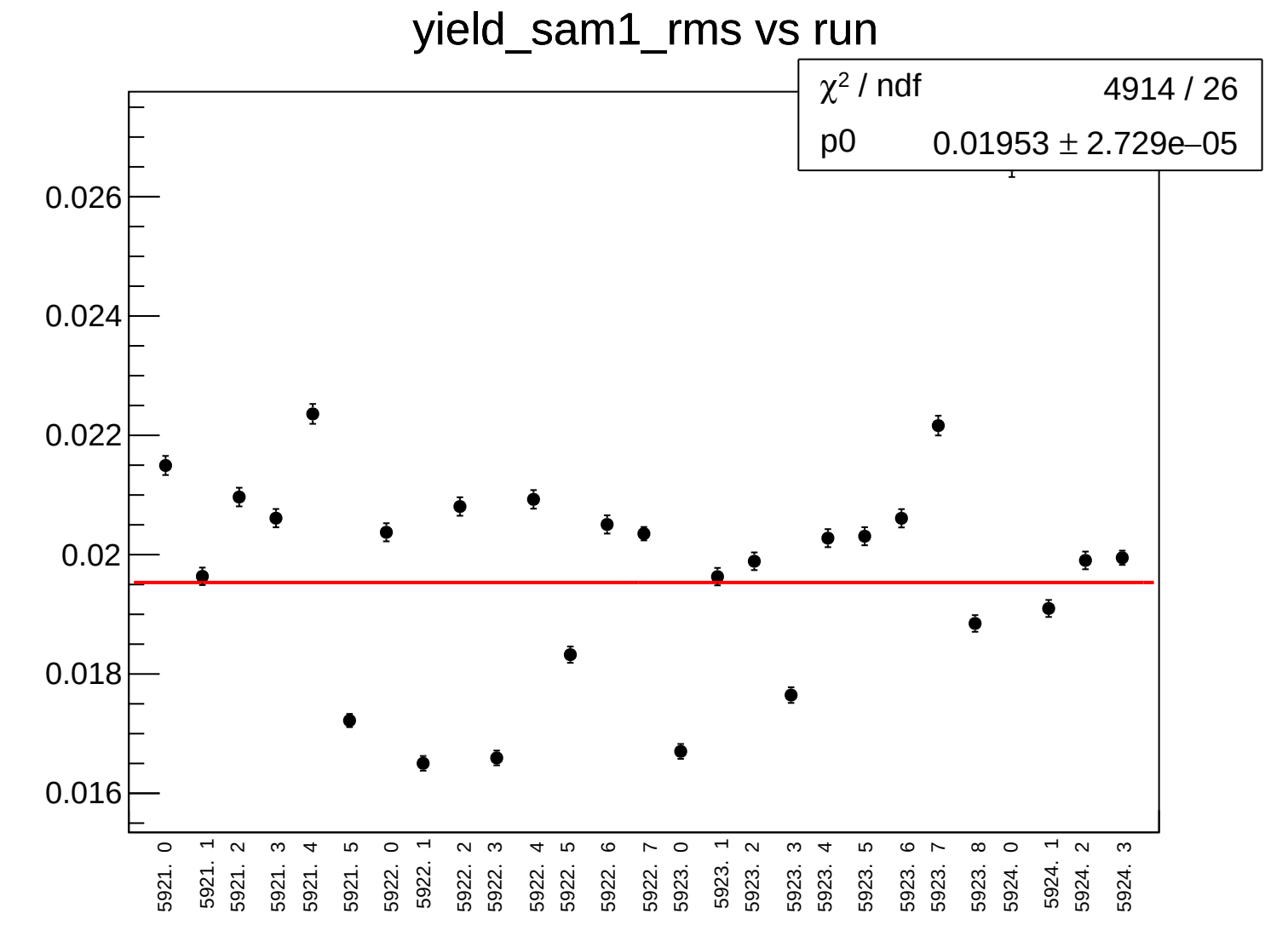

diff_bpm1i06X_rms vs run
χ² / ndf 568.7 / 26
p0 2705 ± 3.763
2900
2800
2700
2600
2500
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

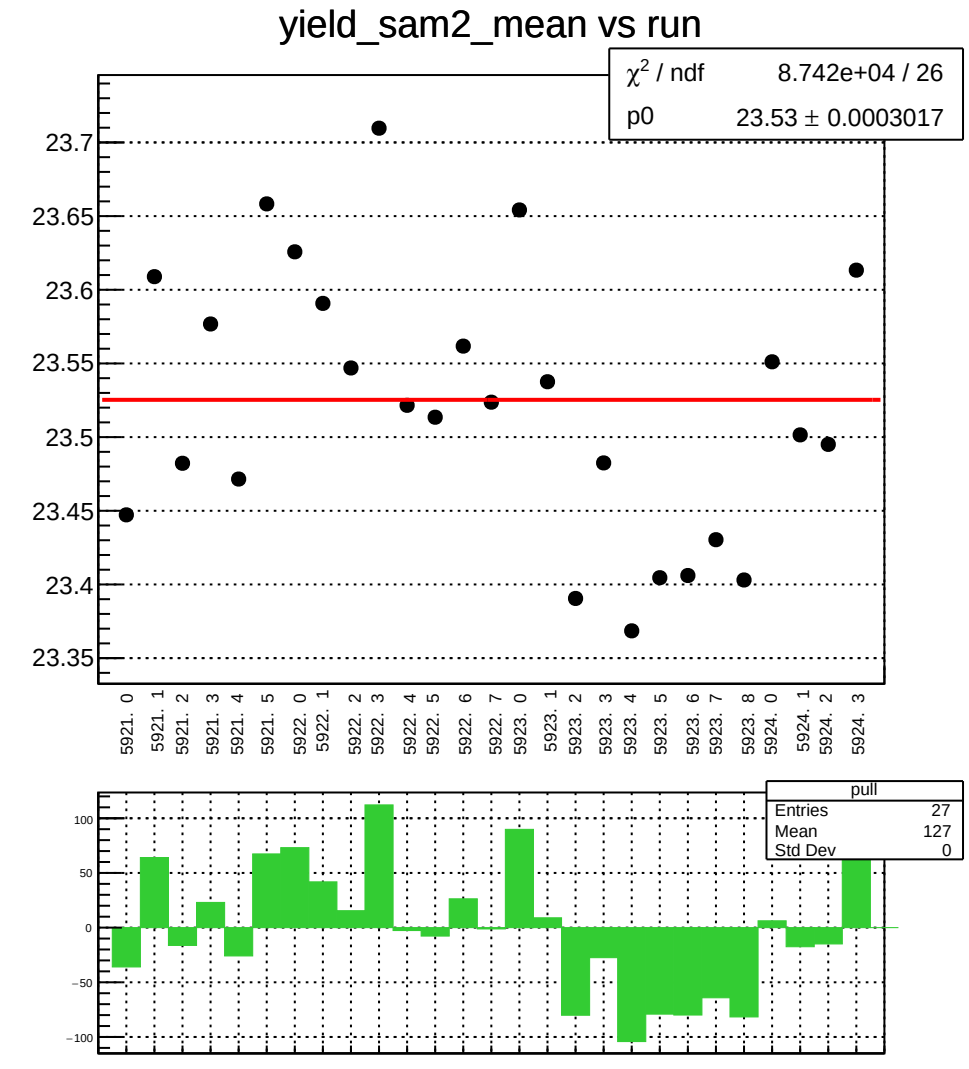

diff_bpm1i06Y_mean vs run
χ² / ndf 29.55 / 26
p0 −18.09 ± 5.647
80
60
40
20
0
−20
−40
−60
−80
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −26.93
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.01454
Std Dev 1.046
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

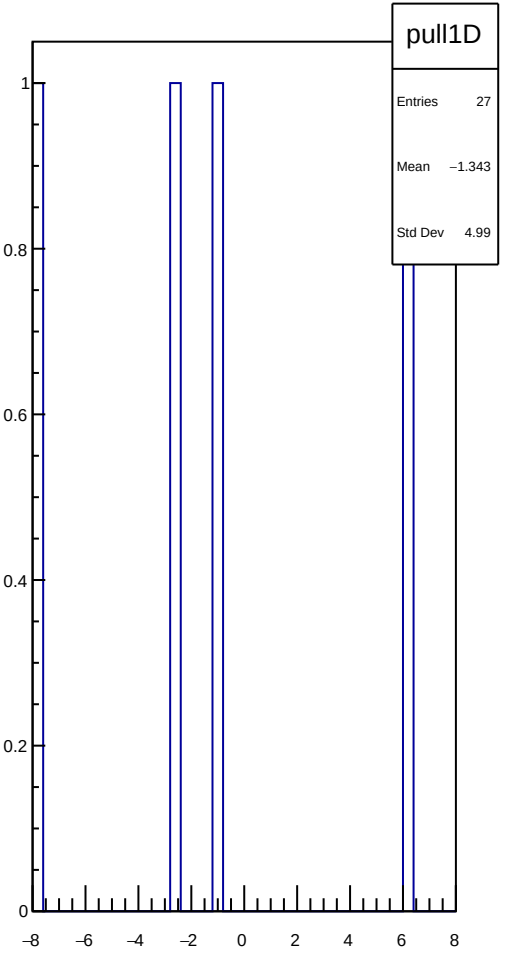

diff_bpm1i06Y_rms vs run
χ² / ndf 462.1 / 26
p0 2870 ± 3.993
3050
3000
2950
2900
2850
2800
2750
2700
2650
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

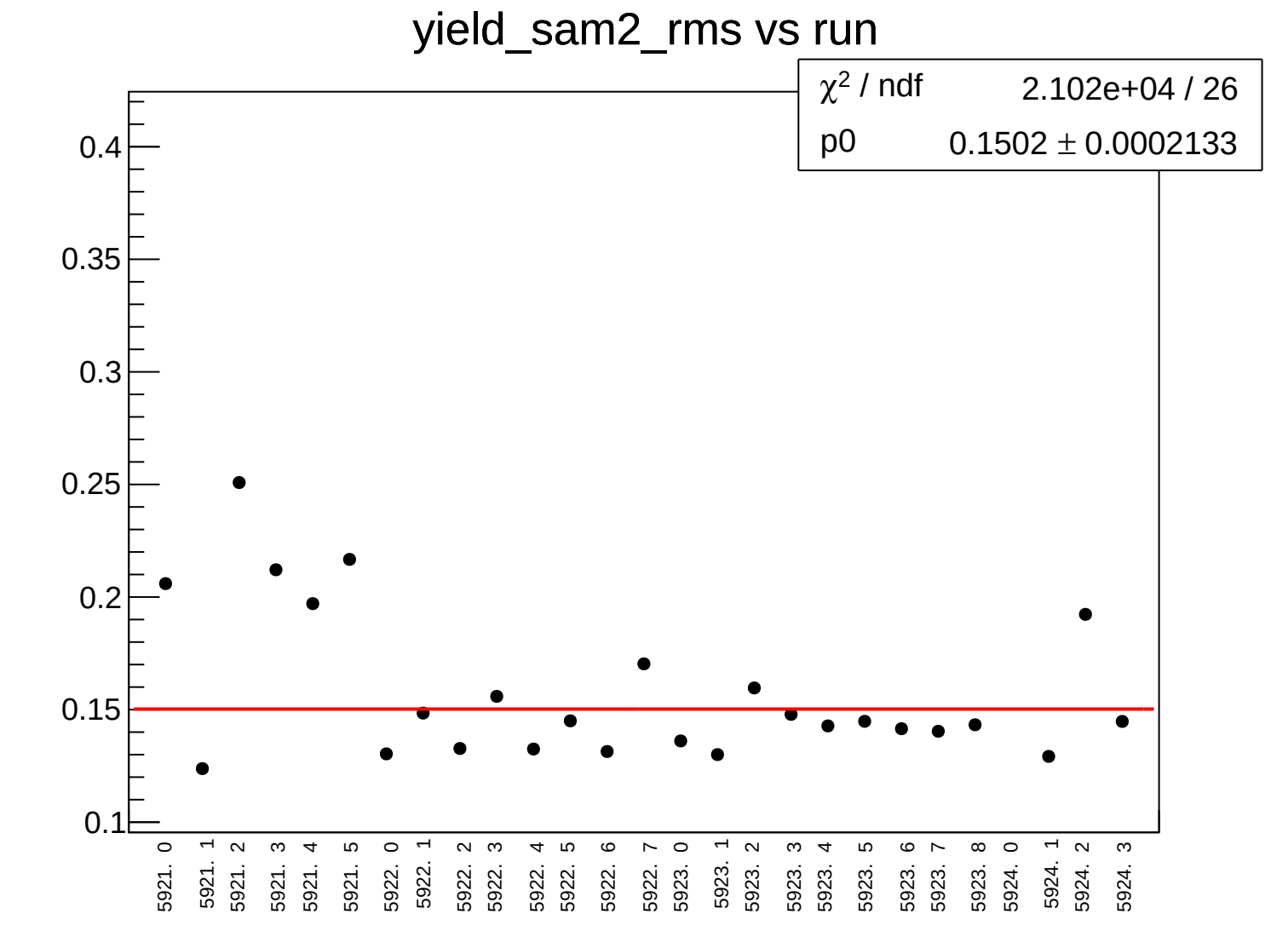

yield_sam1_mean vs run
χ² / ndf 7.978e+05 / 26
p0 16.29 ± 3.86e−05
16.34
16.32
16.3
16.28
16.26
16.24
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 524.3
Std Dev 0
300
200
100
0
−100
−200

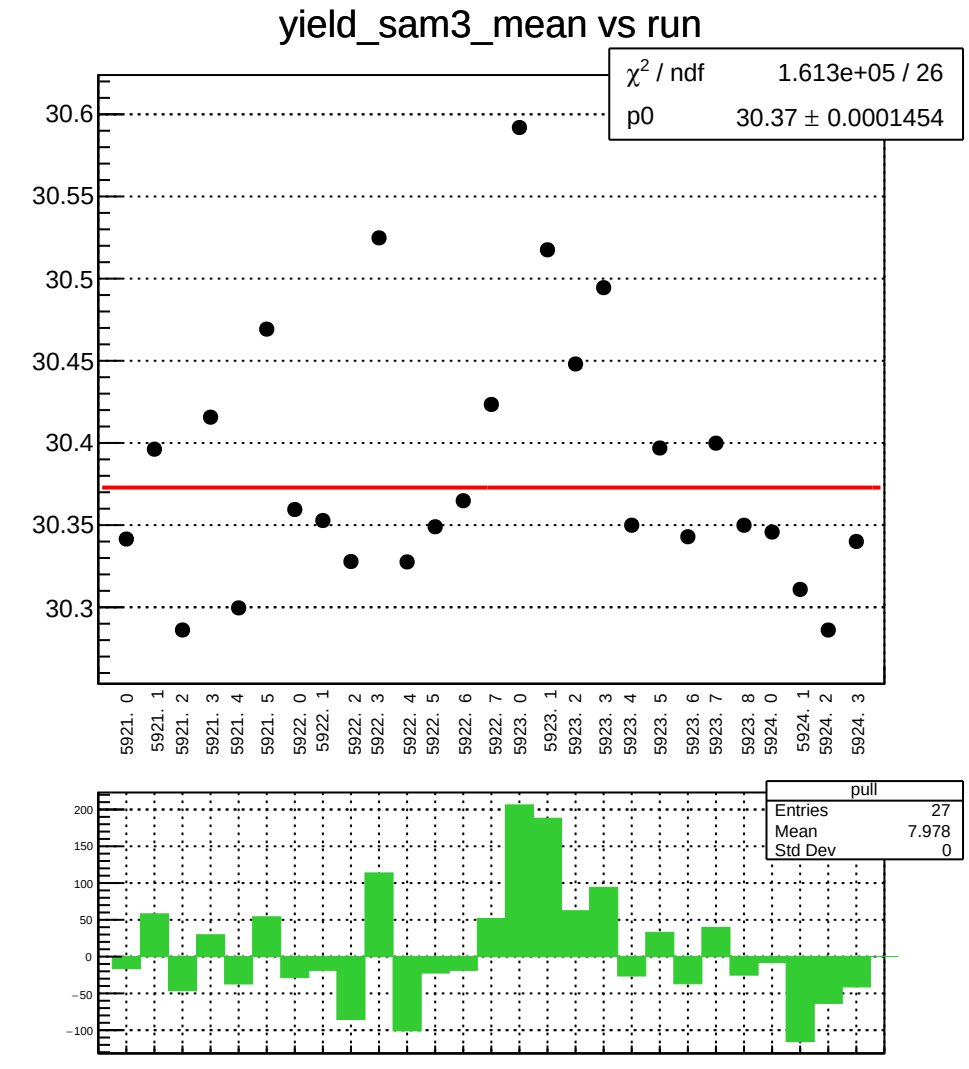

pull1D
Entries 27
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

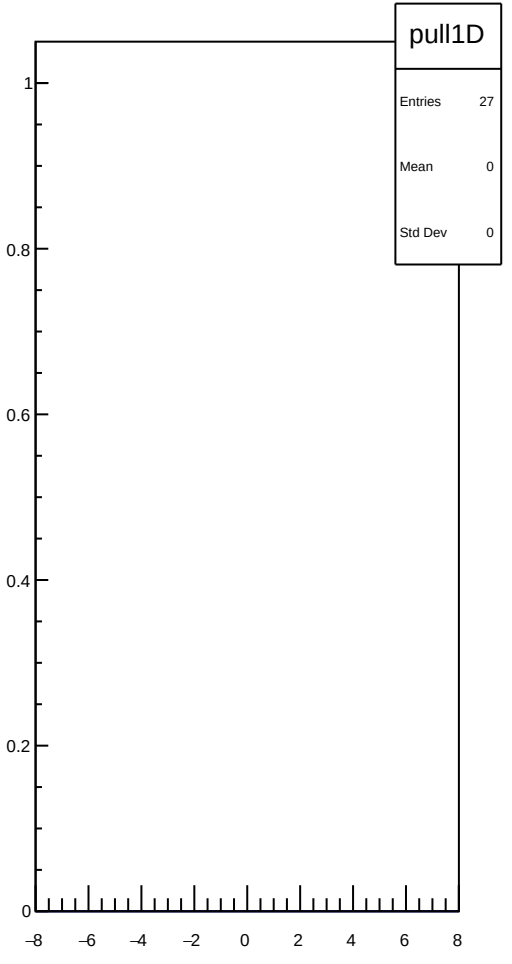

yield_sam1_rms vs run
χ² / ndf 4914 / 26
p0 0.01953 ± 2.729e−05
0.026
0.024
0.022
0.02
0.018
0.016
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

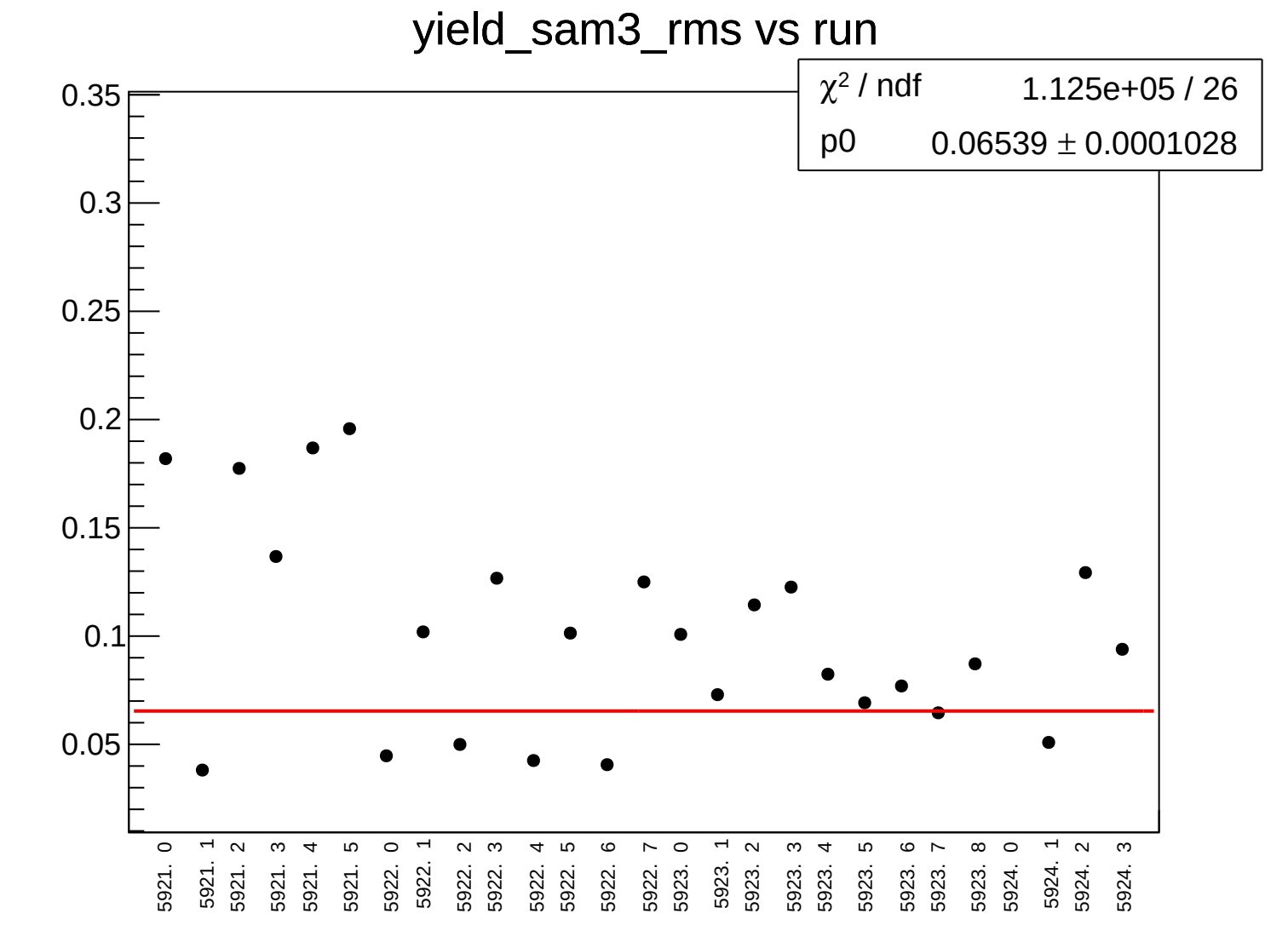

yield_sam2_mean vs run
χ² / ndf 8.742e+04 / 26
p0 23.53 ± 0.0003017
23.7
23.65
23.6
23.55
23.5
23.45
23.4
23.35
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 127
Std Dev 0
100
50
0
−50
−100

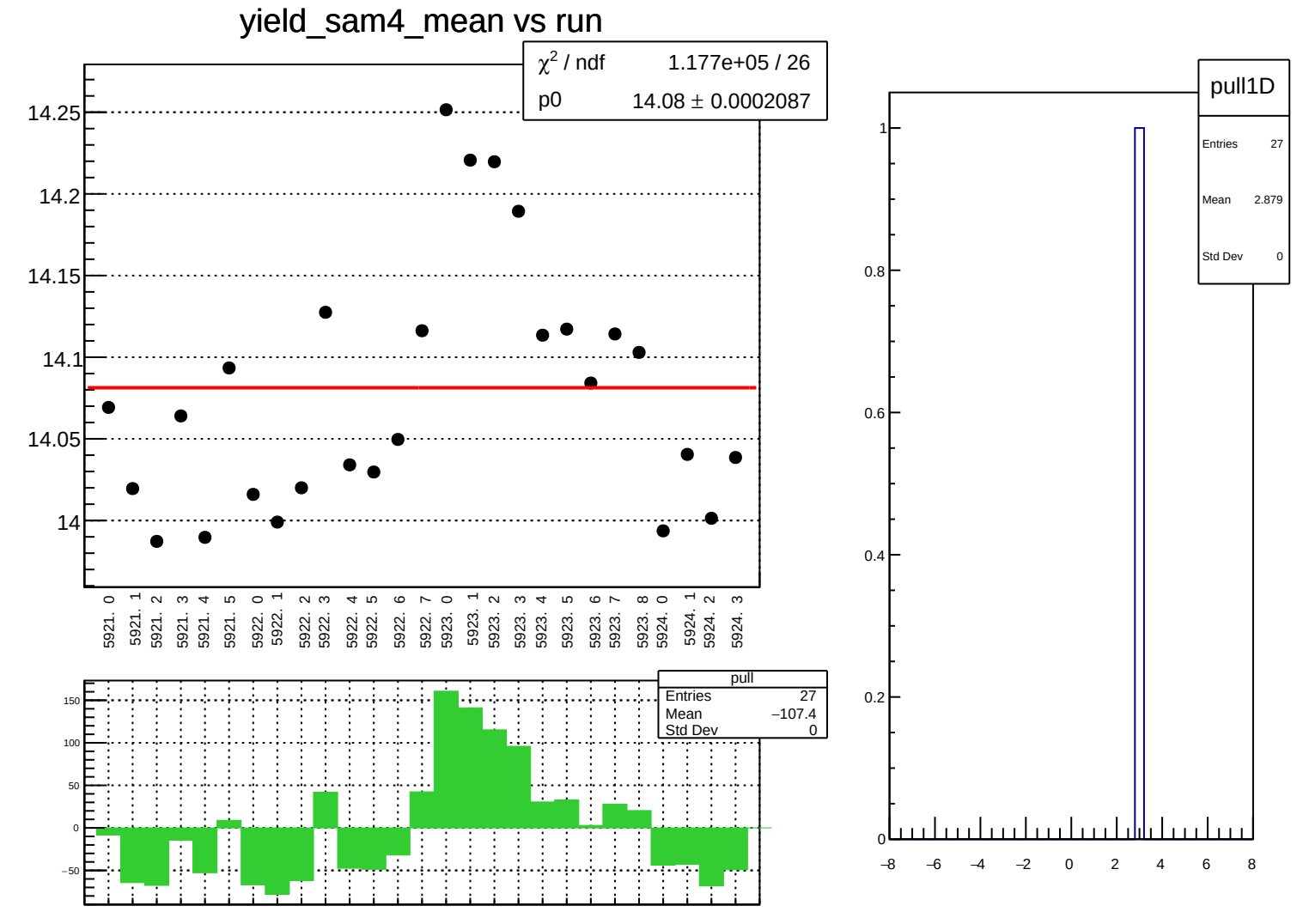

pull1D
Entries 27
Mean −1.343
Std Dev 4.99
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

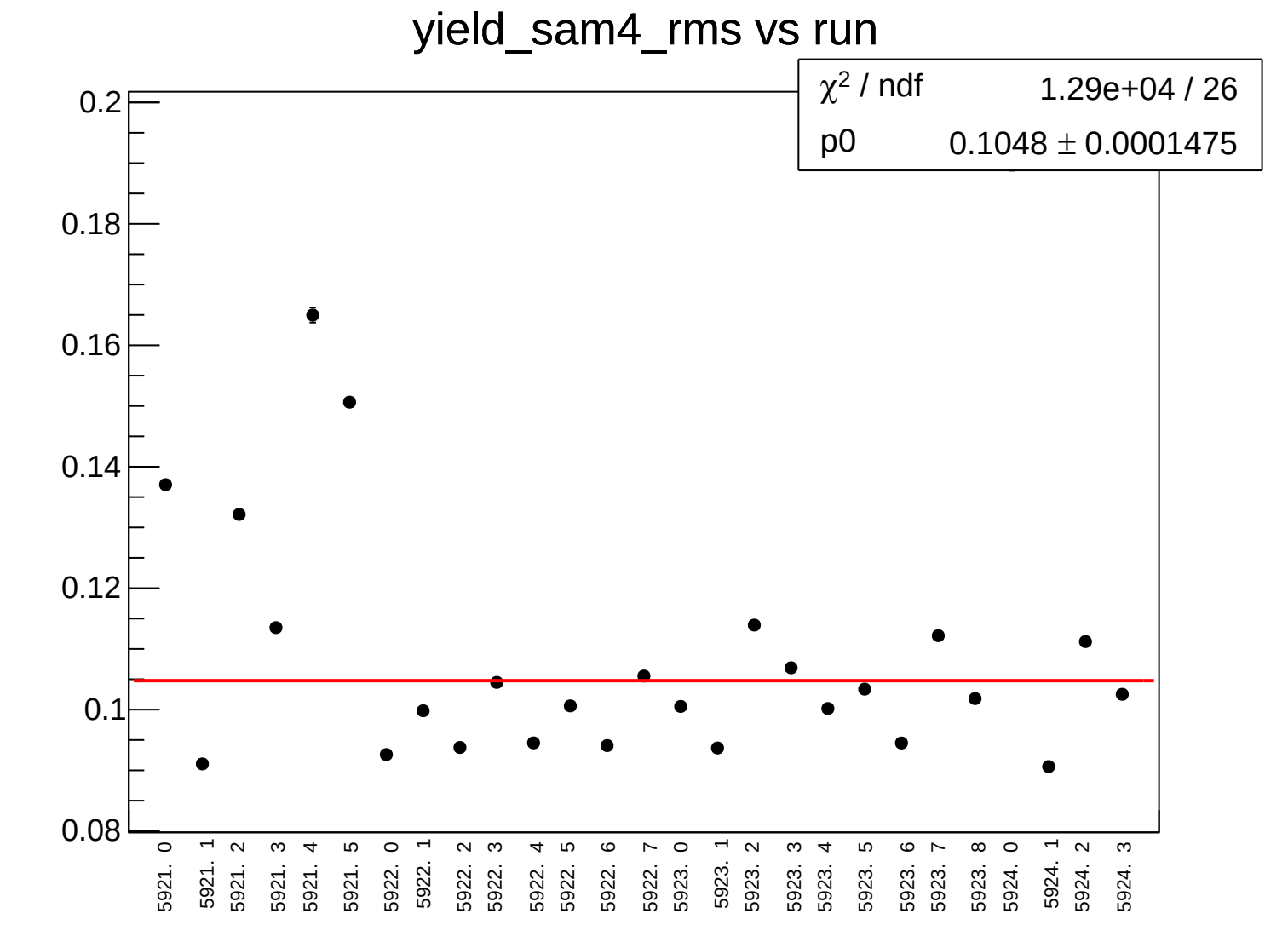

yield_sam2_rms vs run
χ² / ndf 2.102e+04 / 26
p0 0.1502 ± 0.0002133
0.4
0.35
0.3
0.25
0.2
0.15
0.1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

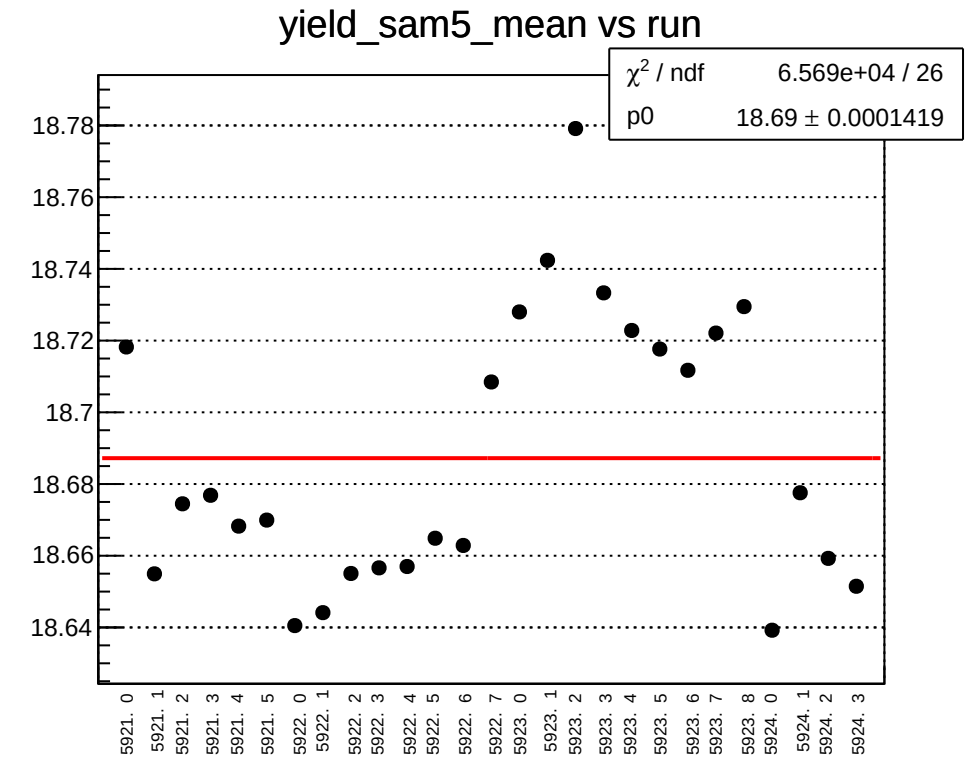

yield_sam3_mean vs run
χ² / ndf 1.613e+05 / 26
p0 30.37 ± 0.0001454
30.6
30.55
30.5
30.45
30.4
30.35
30.3
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 7.978
Std Dev 0
200
150
100
50
0
−50
−100

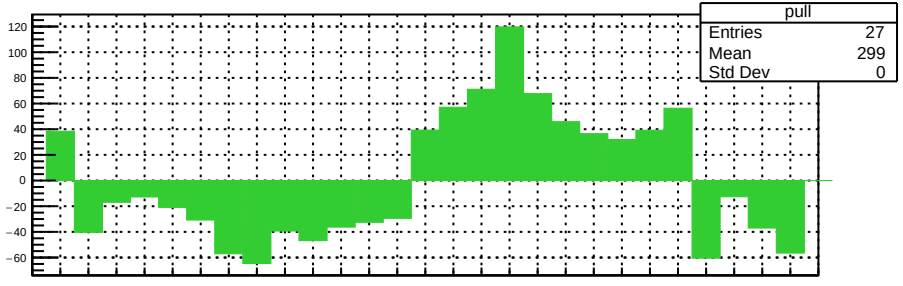

pull1D
Entries 27
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

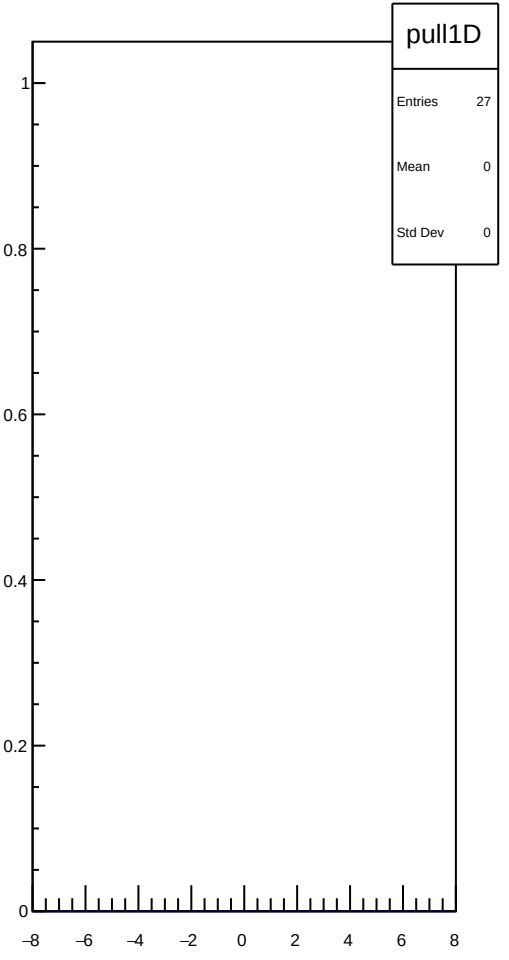

yield_sam3_rms vs run
χ² / ndf 1.125e+05 / 26
p0 0.06539 ± 0.0001028
0.35
0.3
0.25
0.2
0.15
0.1
0.05
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

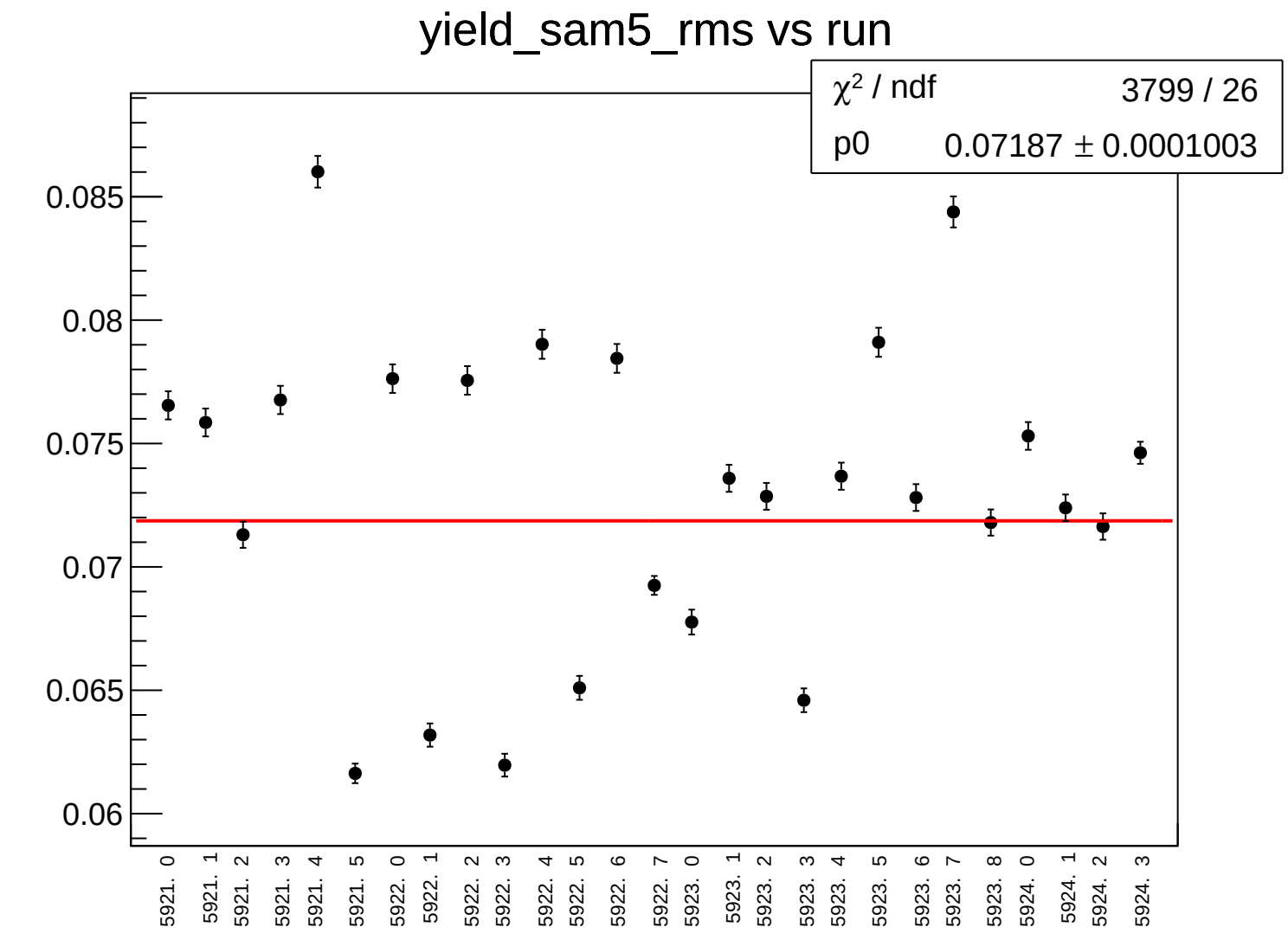

yield_sam4_mean vs run
χ² / ndf 1.177e+05 / 26
p0 14.08 ± 0.0002087
14.25
14.2
14.15
14.1
14.05
14
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −107.4
Std Dev 0
150
100
50
0
−50
pull1D
Entries 27
Mean 2.879
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

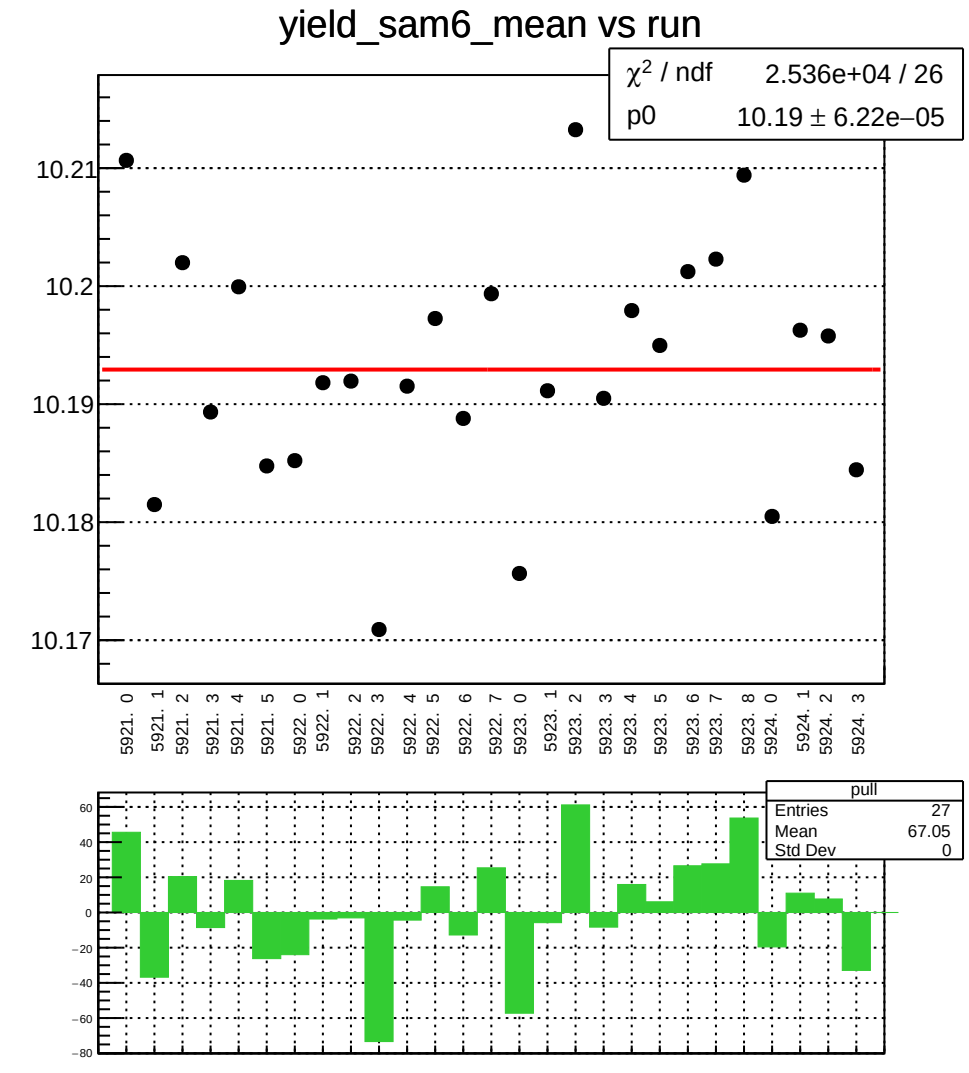

yield_sam4_rms vs run
χ² / ndf 1.29e+04 / 26
p0 0.1048 ± 0.0001475
0.2
0.18
0.16
0.14
0.12
0.1
0.08
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

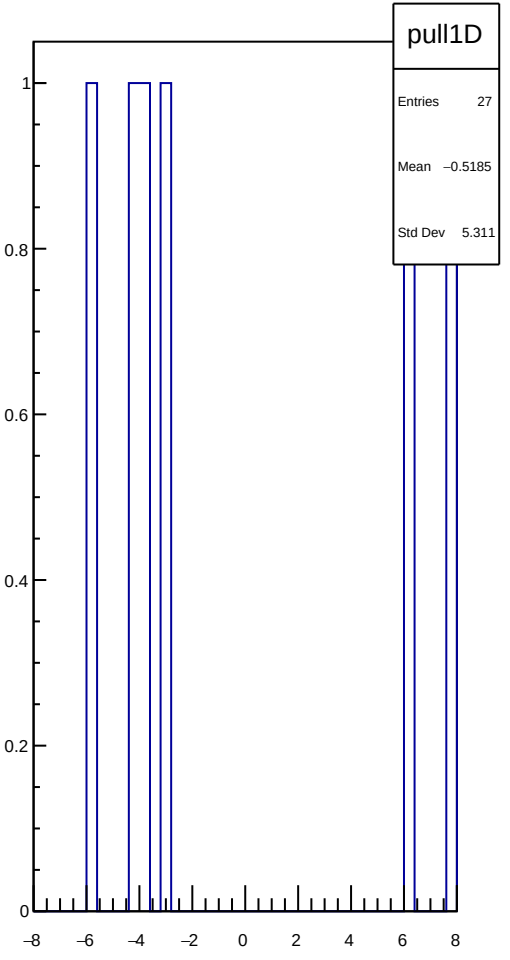

yield_sam5_mean vs run
χ² / ndf 6.569e+04 / 26
p0 18.69 ± 0.0001419
18.78
18.76
18.74
18.72
18.7
18.68
18.66
18.64
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

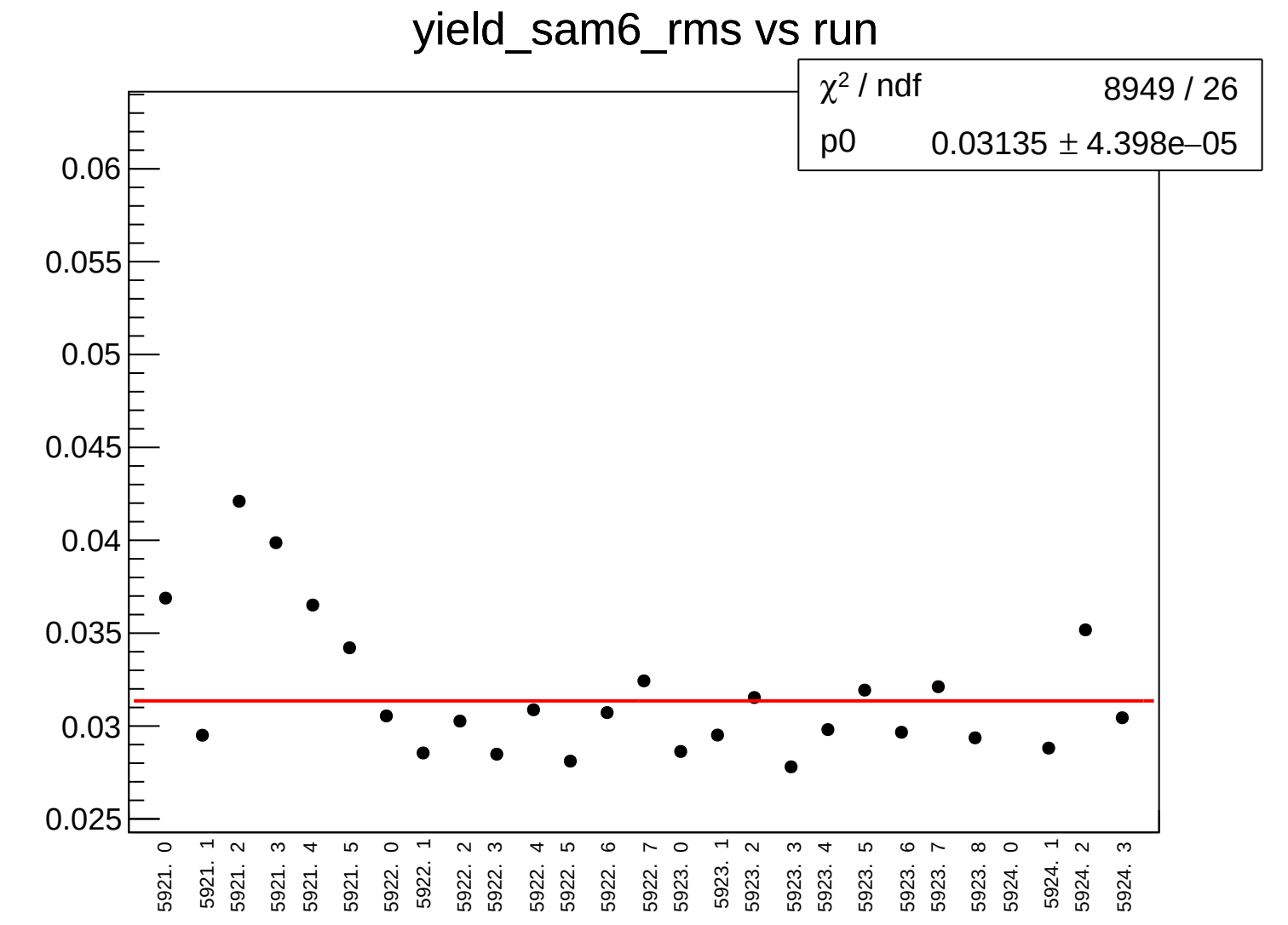

pull
Entries 27
Mean 299
Std Dev 0
120
100
80
60
40
20
0
−20
−40
−60

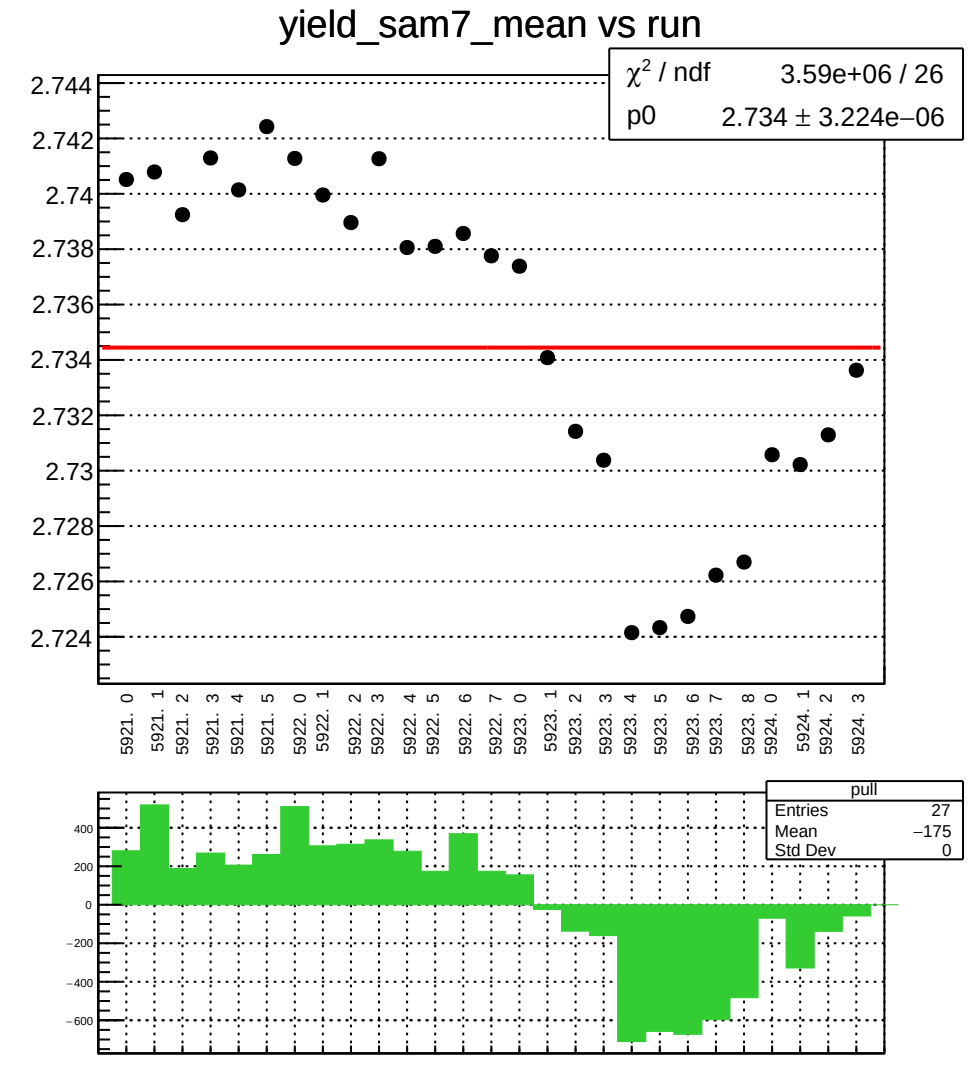

pull1D
Entries 27
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

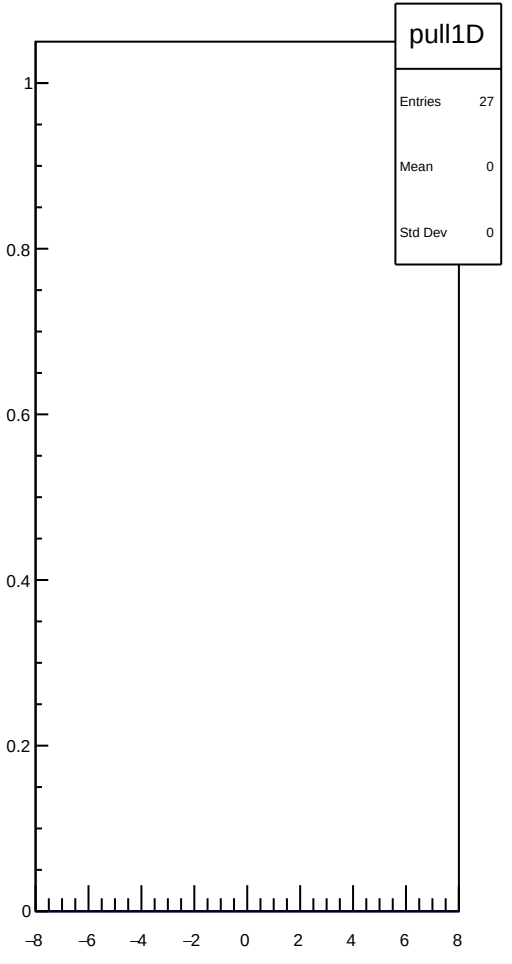

yield_sam5_rms vs run
χ² / ndf 3799 / 26
p0 0.07187 ± 0.0001003
0.085
0.08
0.075
0.07
0.065
0.06
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

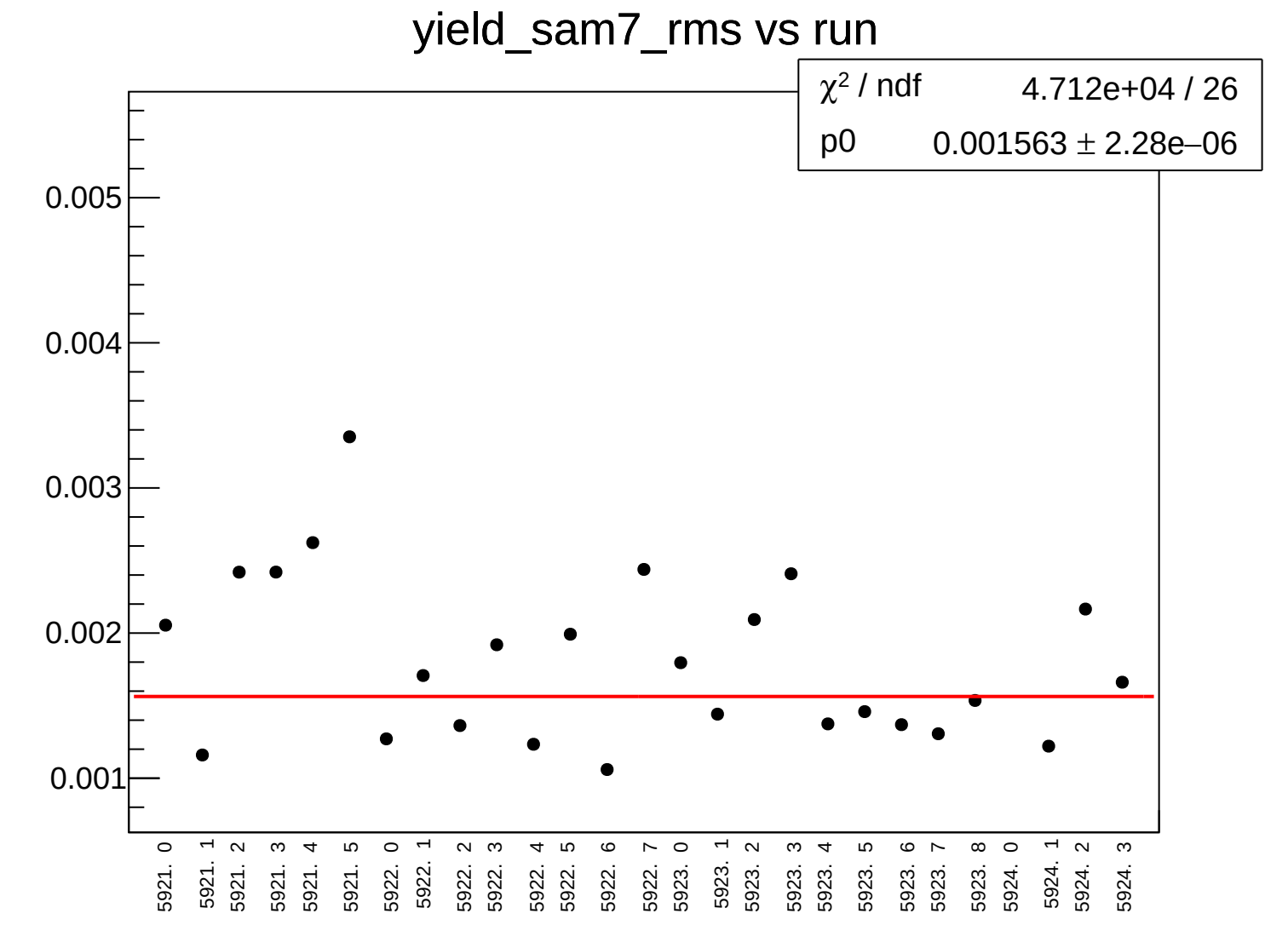

yield_sam6_mean vs run
χ² / ndf 2.536e+04 / 26
p0 10.19 ± 6.22e−05
10.21
10.2
10.19
10.18
10.17
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 67.05
Std Dev 0
60
40
20
0
−20
−40
−60
−80

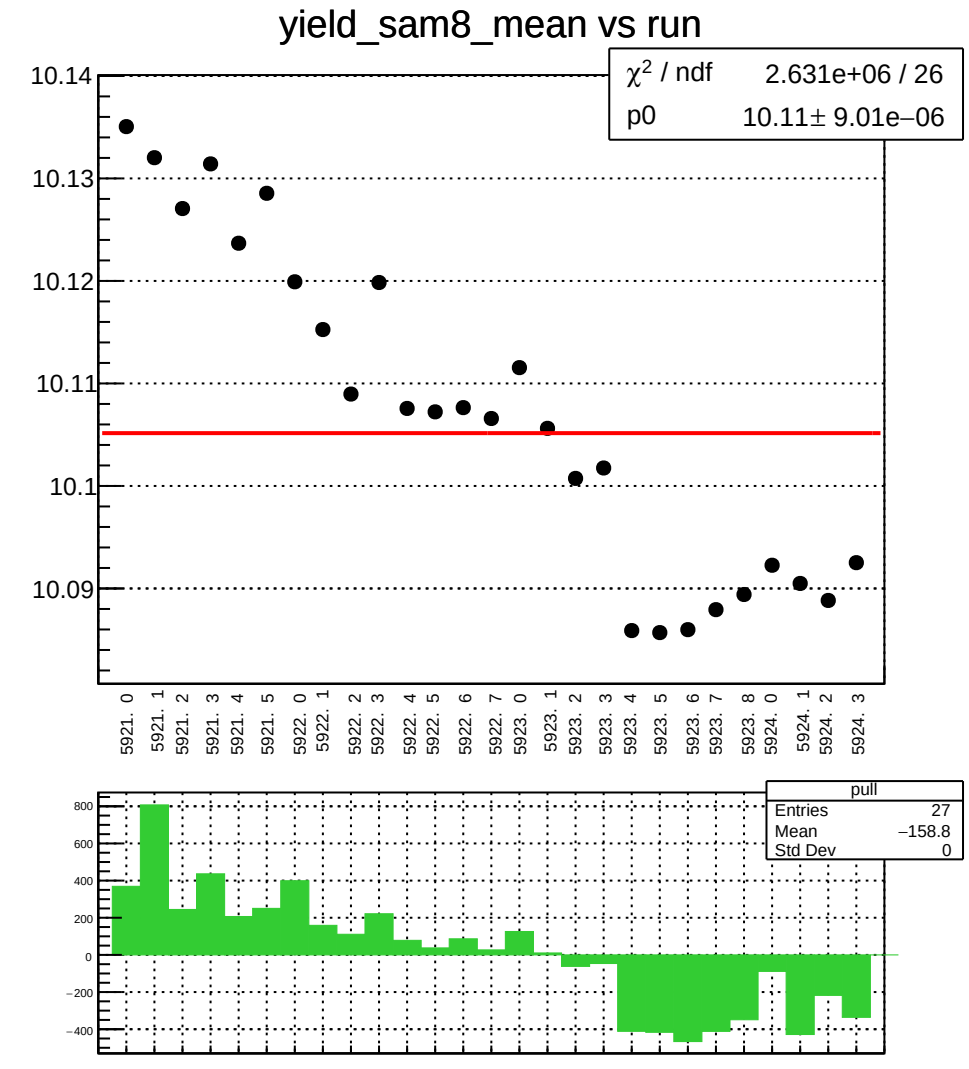

pull1D
Entries 27
Mean −0.5185
Std Dev 5.311
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

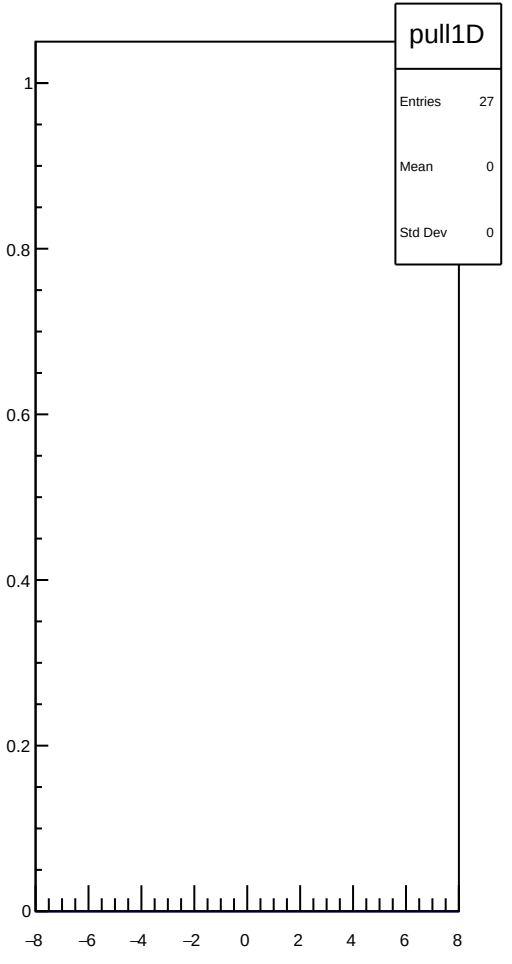

yield_sam6_rms vs run
χ² / ndf 8949 / 26
p0 0.03135 ± 4.398e–05
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

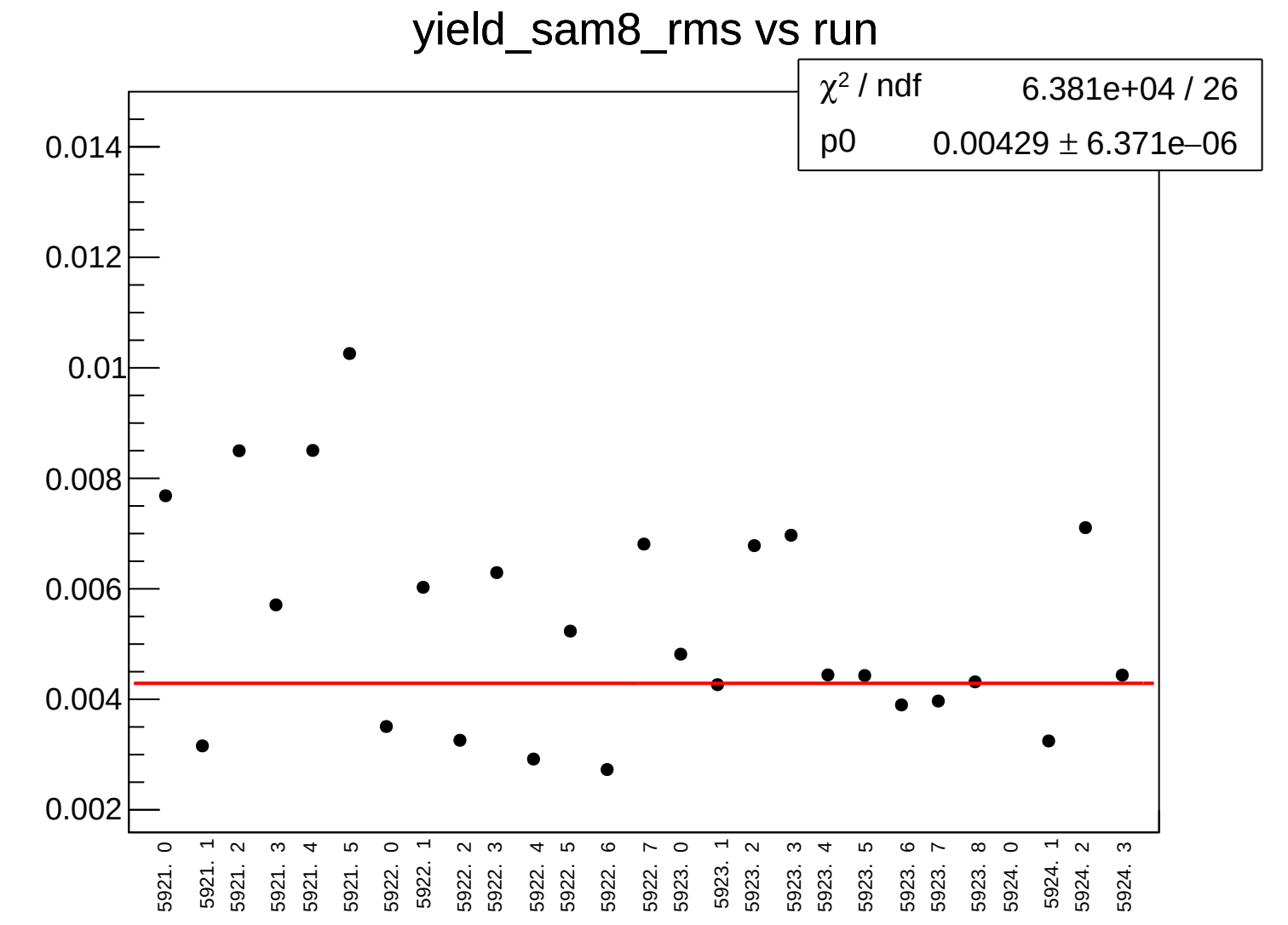

yield_sam7_mean vs run
χ² / ndf 3.59e+06 / 26
p0 2.734 ± 3.224e−06
2.744
2.742
2.74
2.738
2.736
2.734
2.732
2.73
2.728
2.726
2.724
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −175
Std Dev 0
400
200
0
−200
−400
−600

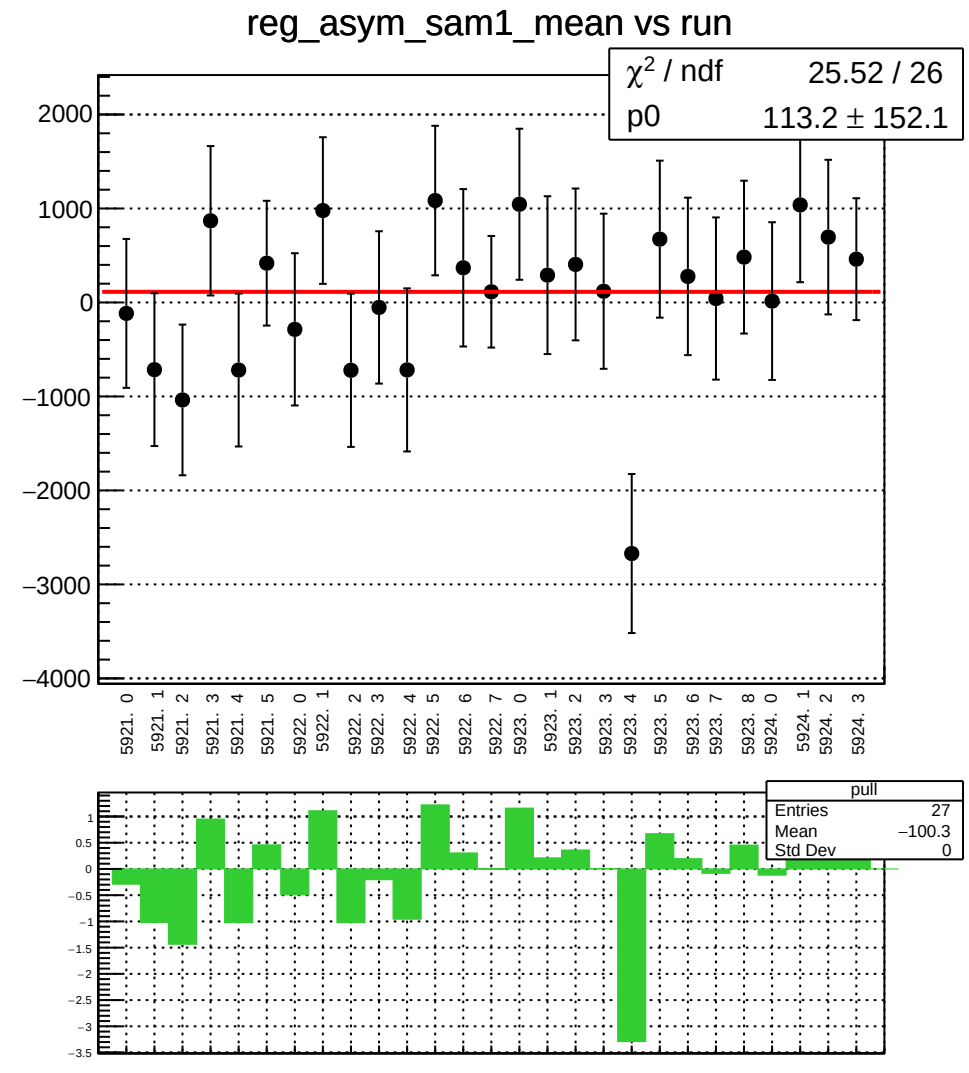

pull1D
Entries 27
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

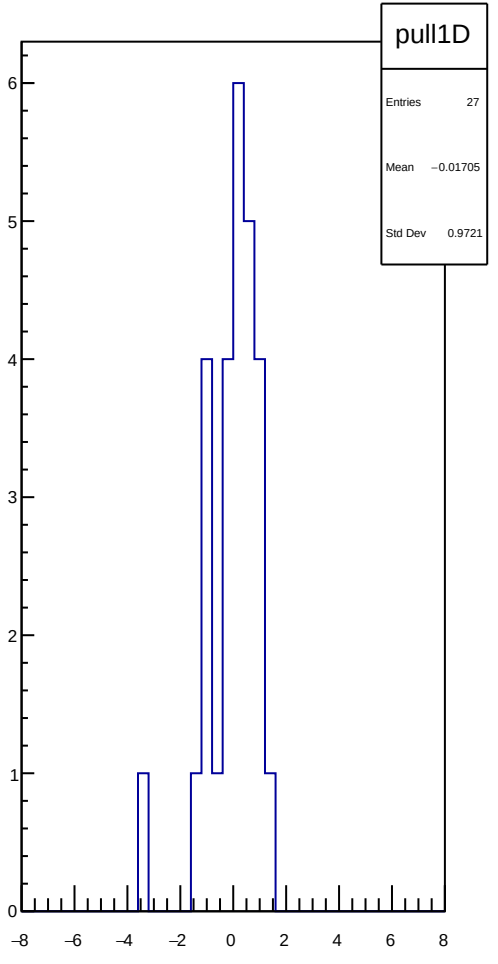

yield_sam7_rms vs run
χ² / ndf 4.712e+04 / 26
p0 0.001563 ± 2.28e−06
0.005
0.004
0.003
0.002
0.001
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

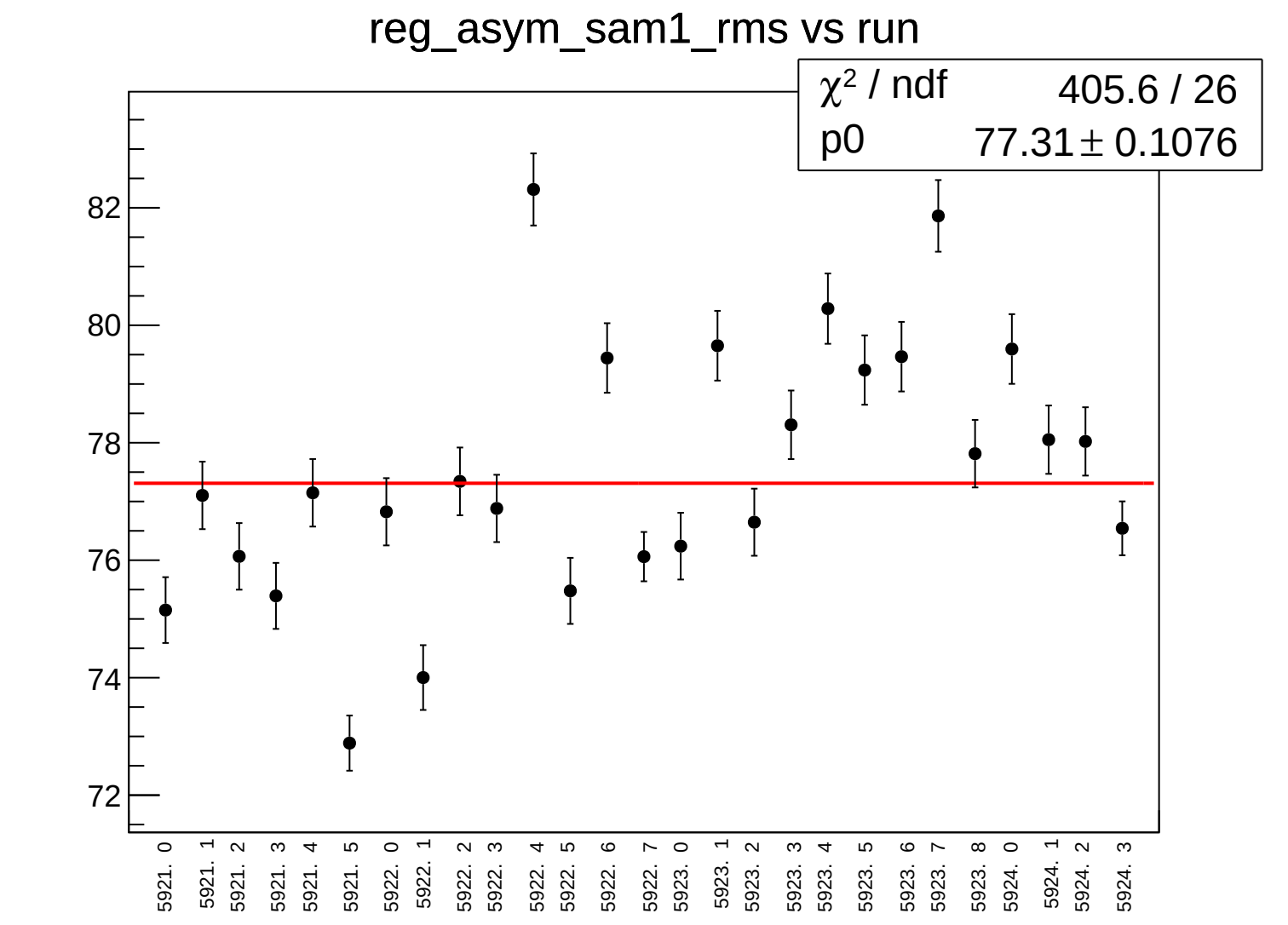

yield_sam8_mean vs run
χ² / ndf 2.631e+06 / 26
p0 10.11± 9.01e−06
10.14
10.13
10.12
10.11
10.1
10.09
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −158.8
Std Dev 0
800
600
400
200
0
−200
−400

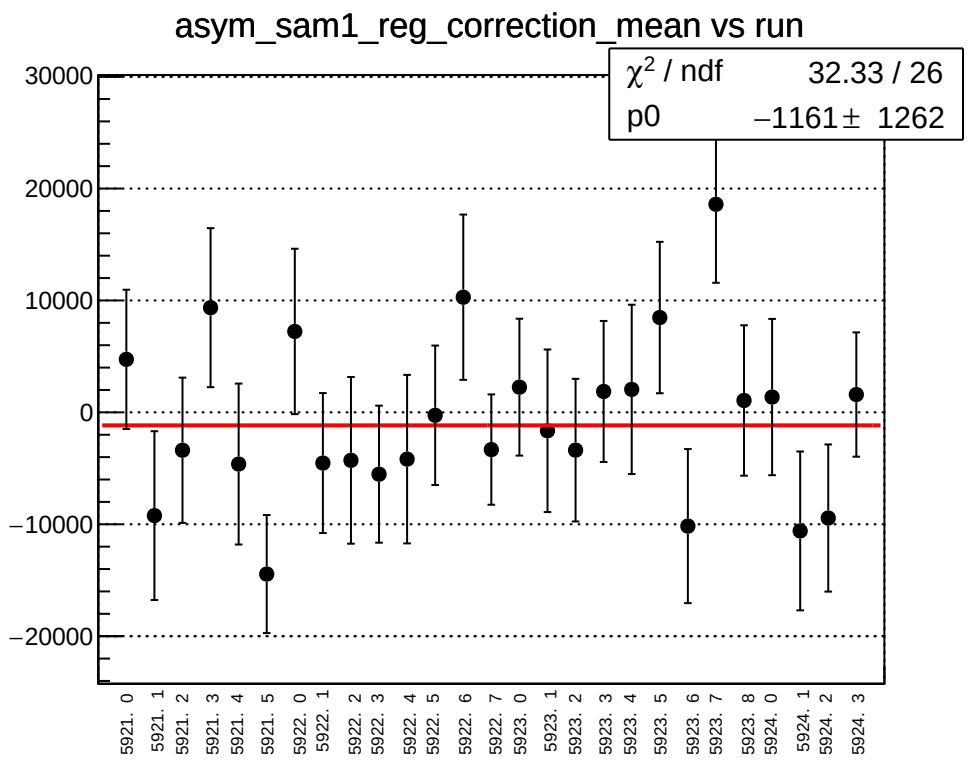

pull1D
Entries 27
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

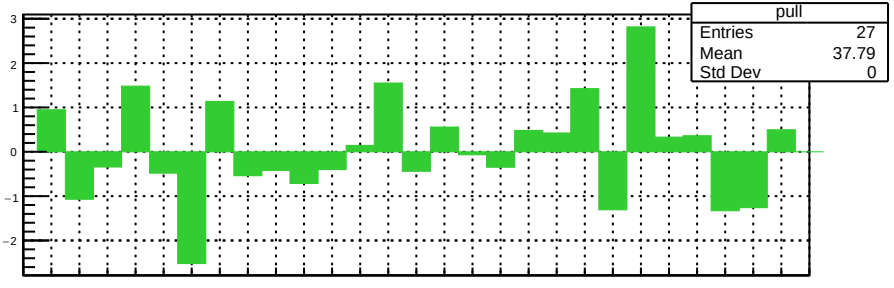

yield_sam8_rms vs run
χ² / ndf 6.381e+04 / 26
p0 0.00429 ± 6.371e–06
0.014
0.012
0.01
0.008
0.006
0.004
0.002
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

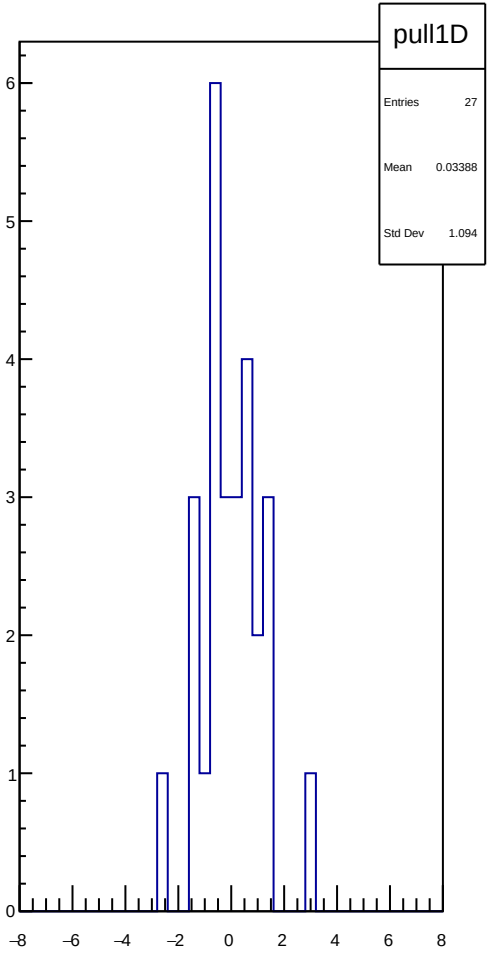

reg_asym_sam1_mean vs run
χ² / ndf 25.52 / 26
p0 113.2 ± 152.1
2000
1000
0
−1000
−2000
−3000
−4000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −100.3
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5

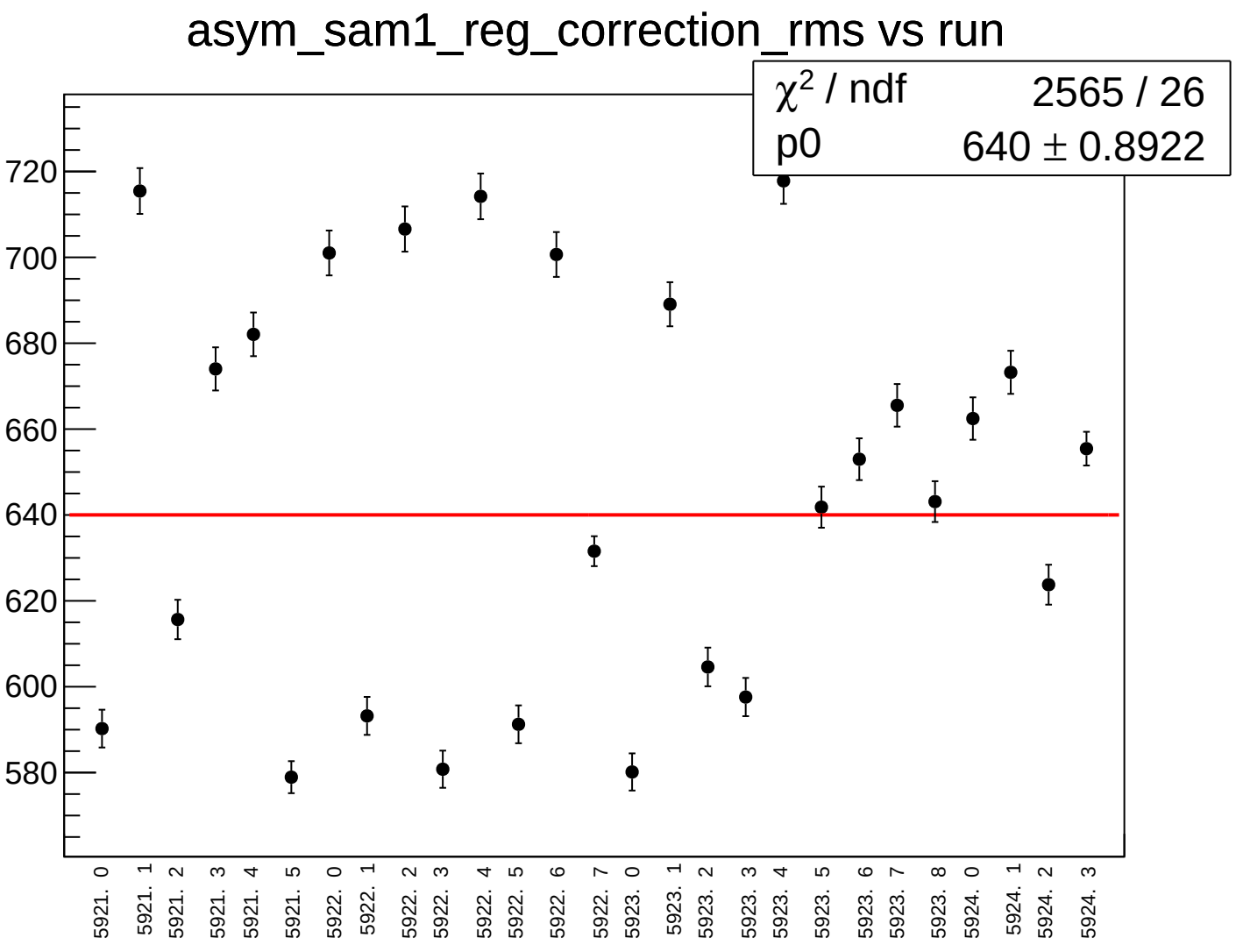

pull1D
Entries 27
Mean −0.01705
Std Dev 0.9721
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

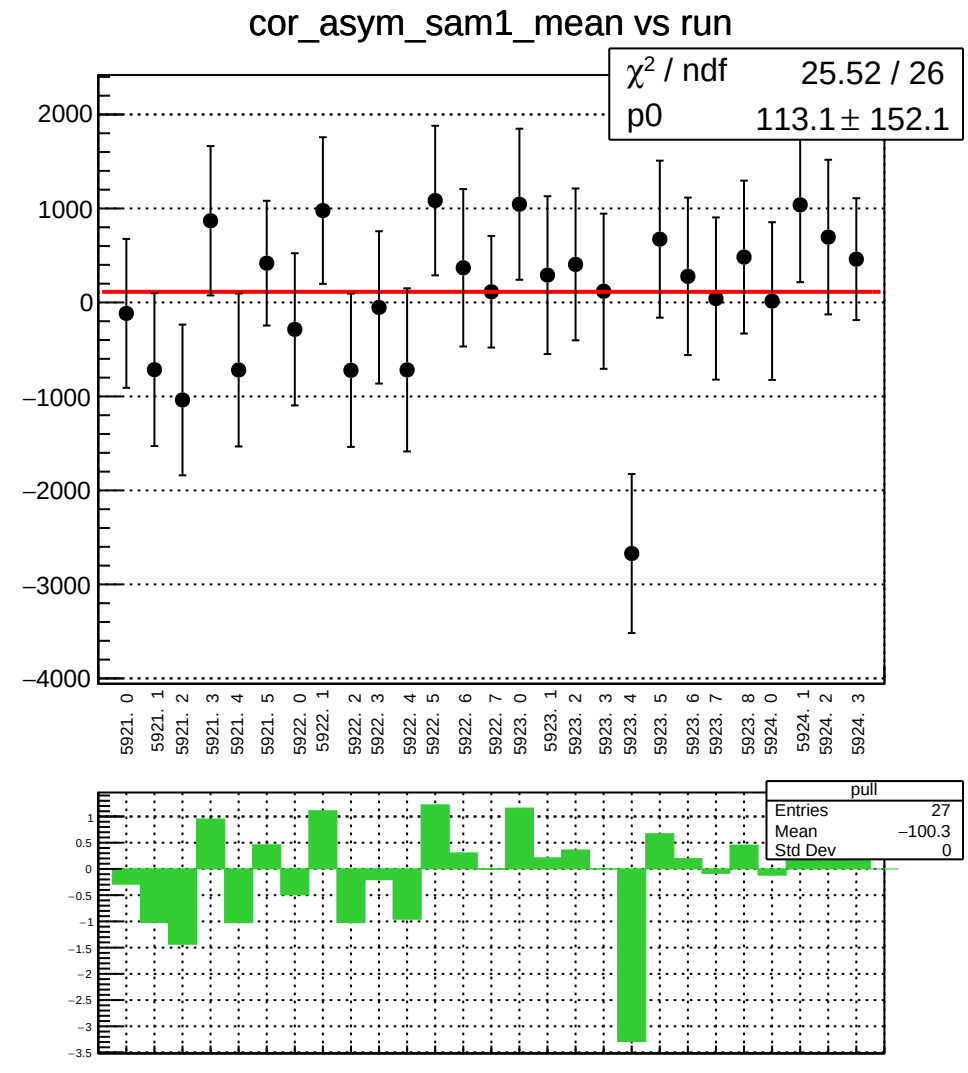

reg_asym_sam1_rms vs run
χ² / ndf 405.6 / 26
p0 77.31 ± 0.1076
82
80
78
76
74
72
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

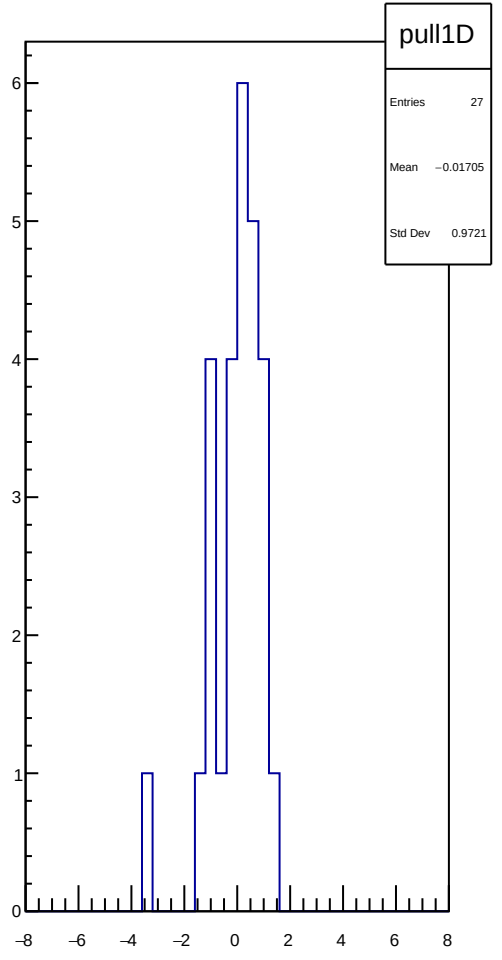

asym_sam1_reg_correction_mean vs run
χ² / ndf 32.33 / 26
p0 −1161 ± 1262
30000
20000
10000
0
−10000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

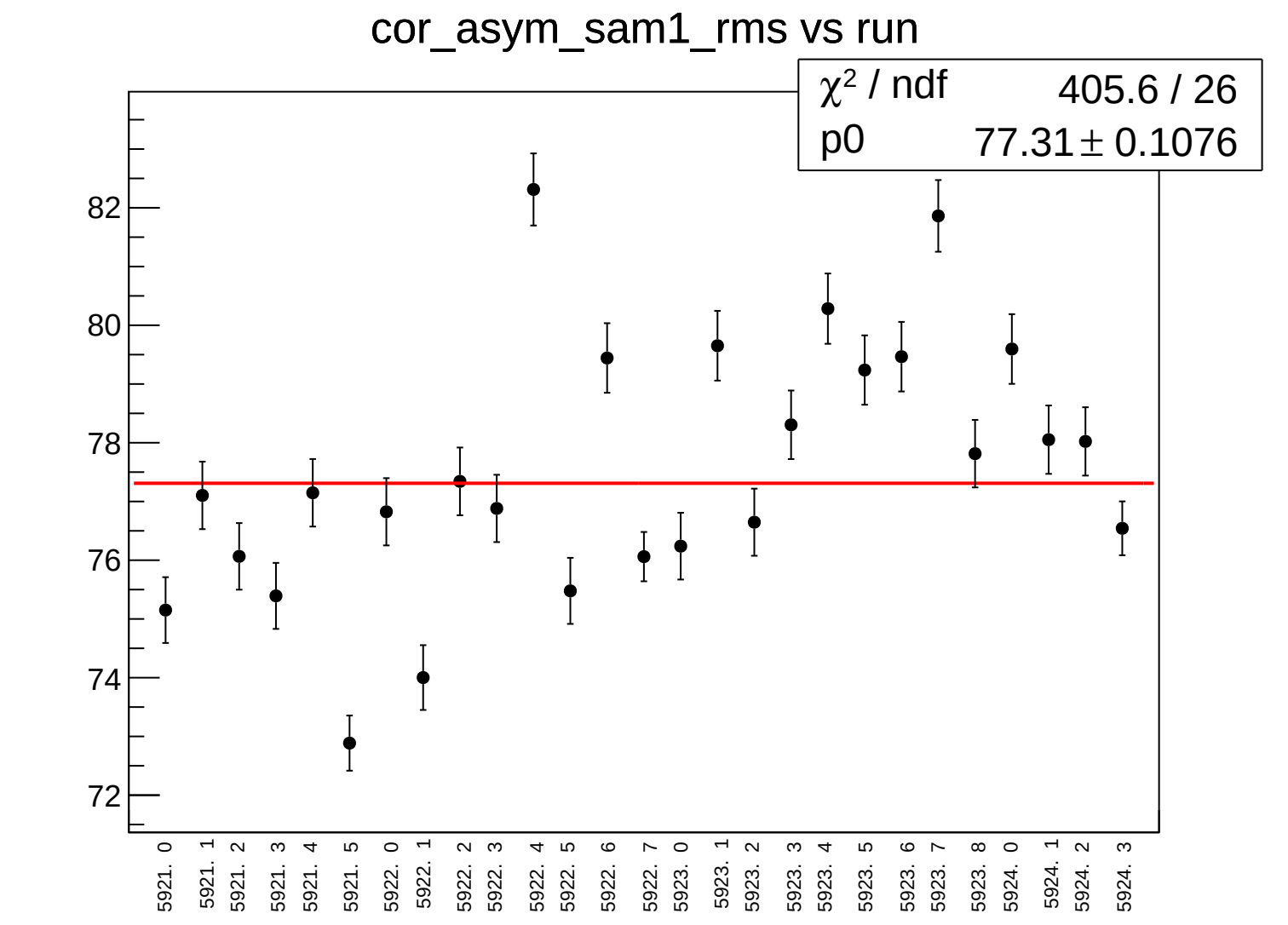

pull
Entries 27
Mean 37.79
Std Dev 0
3
2
1
0
−1
−2

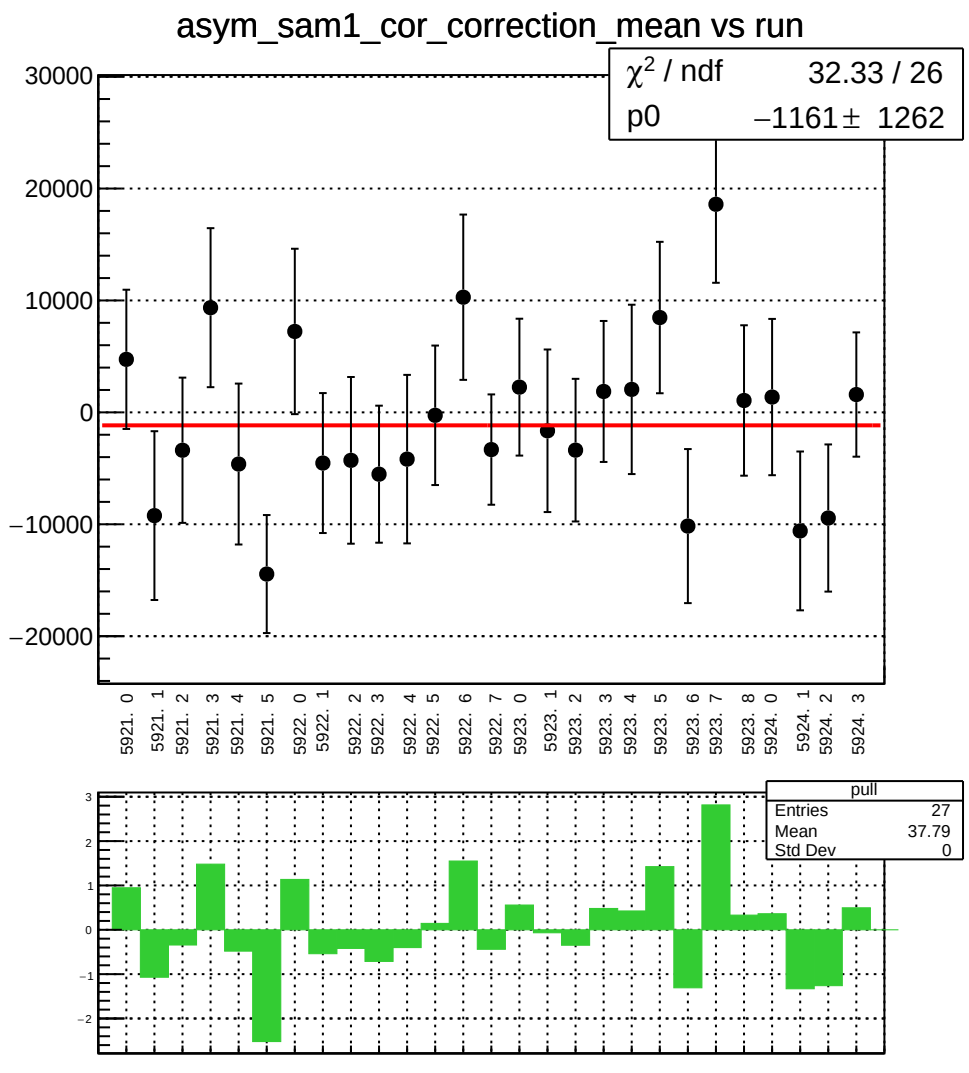

pull1D
Entries 27
Mean 0.03388
Std Dev 1.094
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

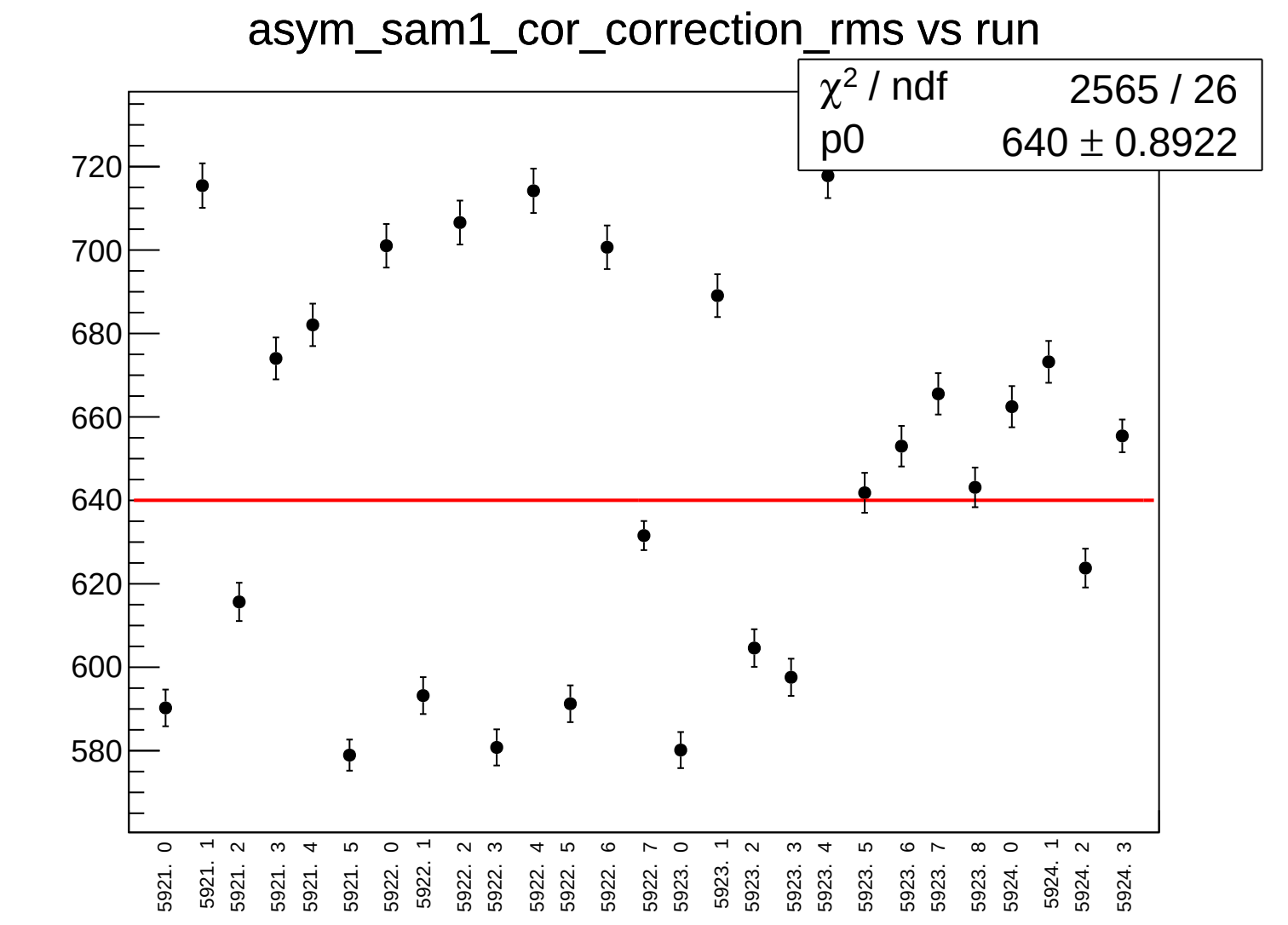

asym_sam1_reg_correction_rms vs run
χ² / ndf 2565 / 26
p0 640 ± 0.8922
720
700
680
660
640
620
600
580
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

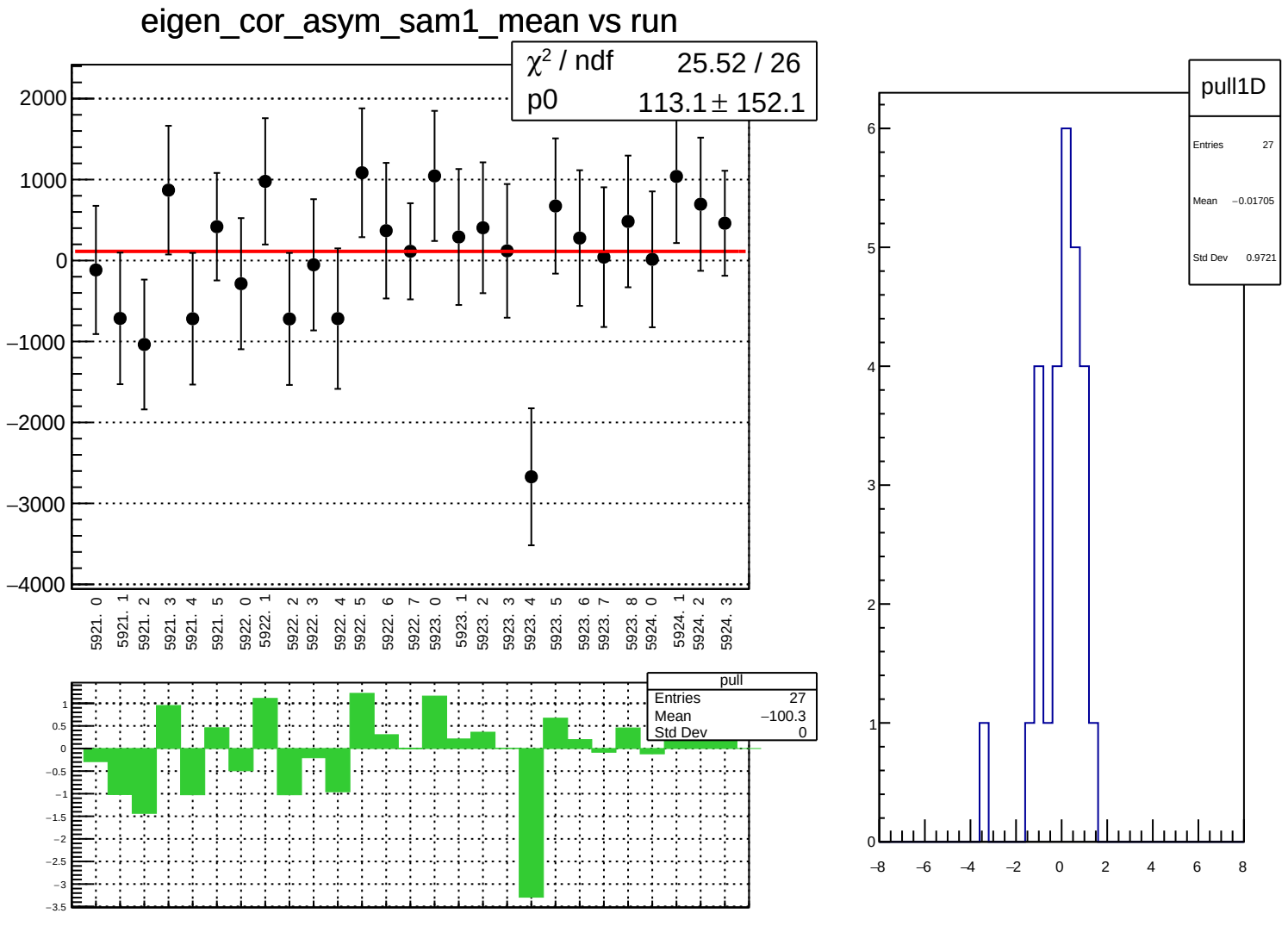

cor_asym_sam1_mean vs run
χ² / ndf 25.52 / 26
p0 113.1 ± 152.1
2000
1000
0
−1000
−2000
−3000
−4000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −100.3
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5

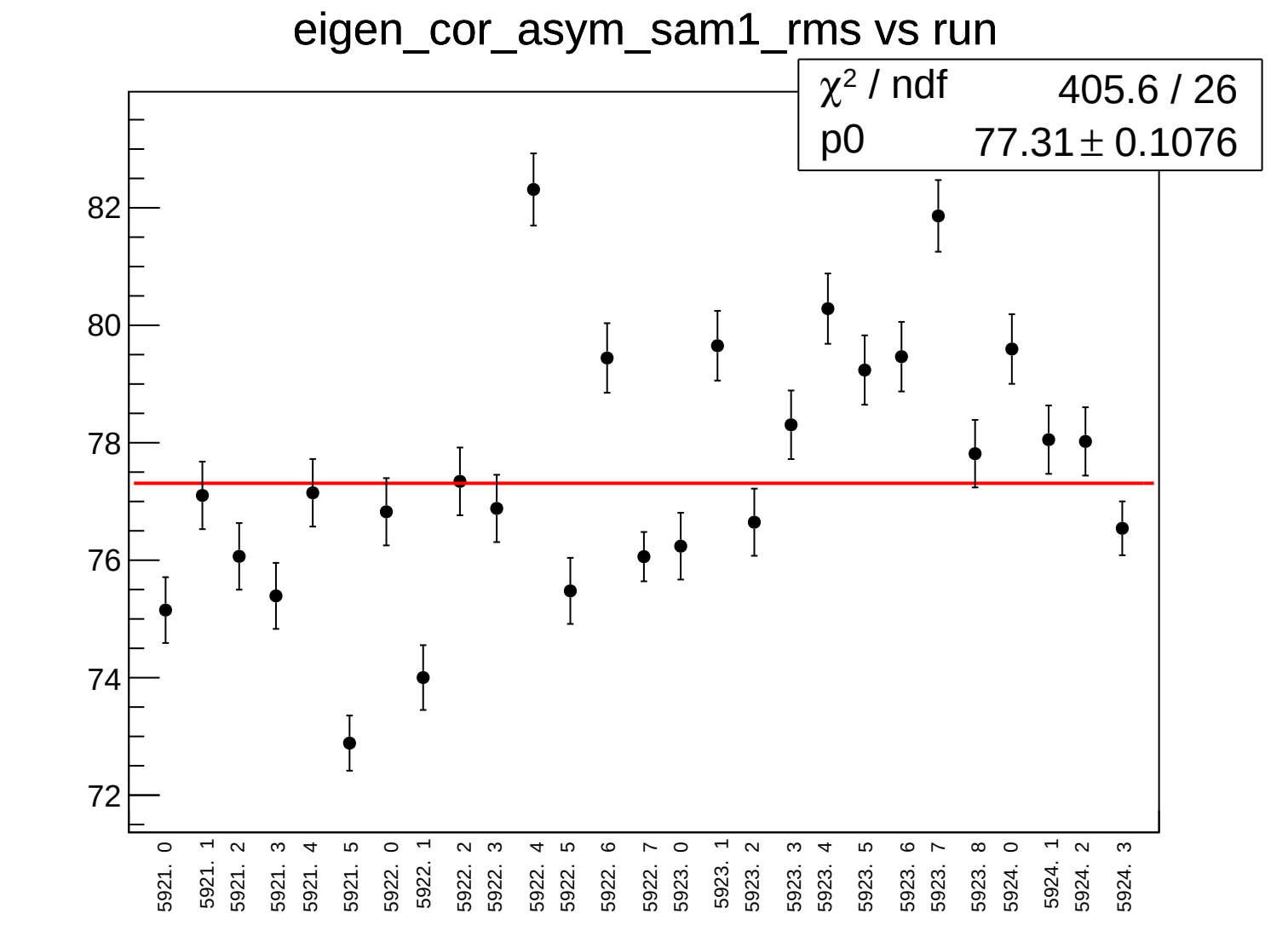

pull1D
Entries 27
Mean −0.01705
Std Dev 0.9721
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

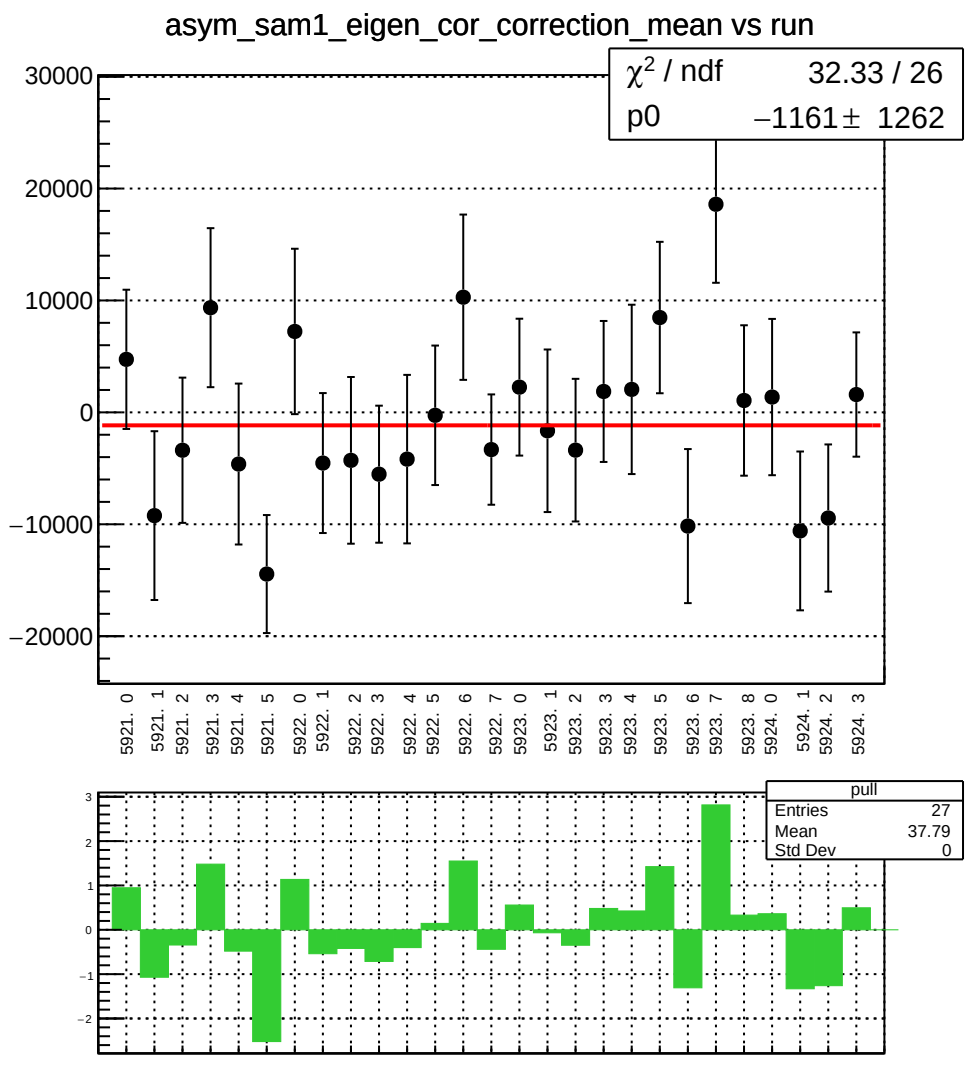

cor_asym_sam1_rms vs run
χ² / ndf 405.6 / 26
p0 77.31 ± 0.1076
82
80
78
76
74
72
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

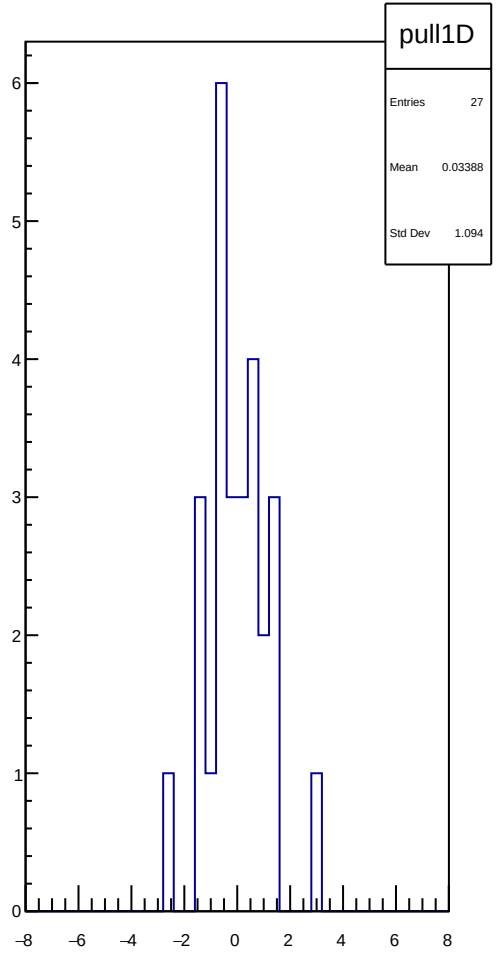

asym_sam1_cor_correction_mean vs run
χ² / ndf 32.33 / 26
p0 −1161 ± 1262
30000
20000
10000
0
−10000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 37.79
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.03388
Std Dev 1.094
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

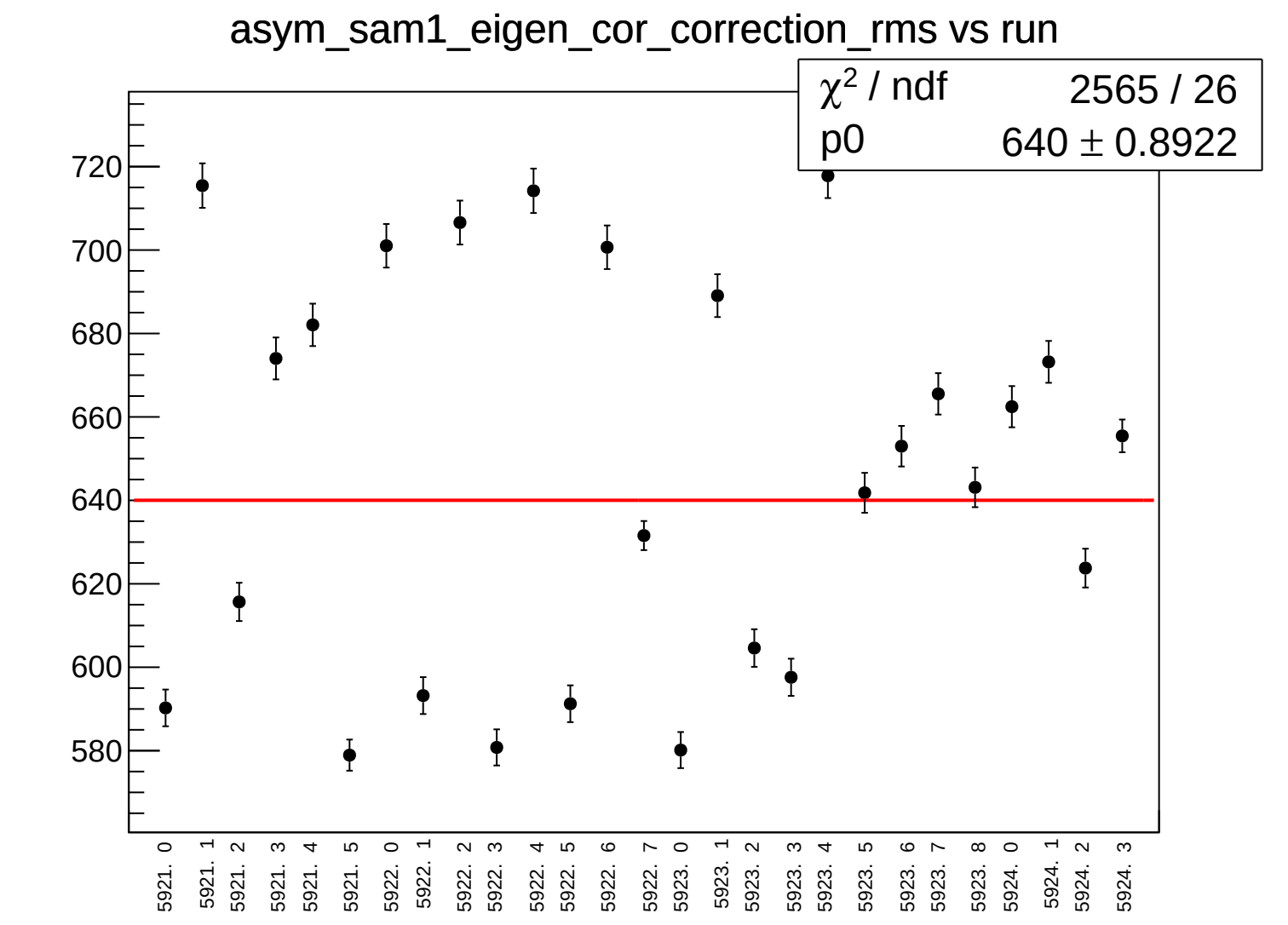

asym_sam1_cor_correction_rms vs run
χ² / ndf 2565 / 26
p0 640 ± 0.8922
720
700
680
660
640
620
600
580
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

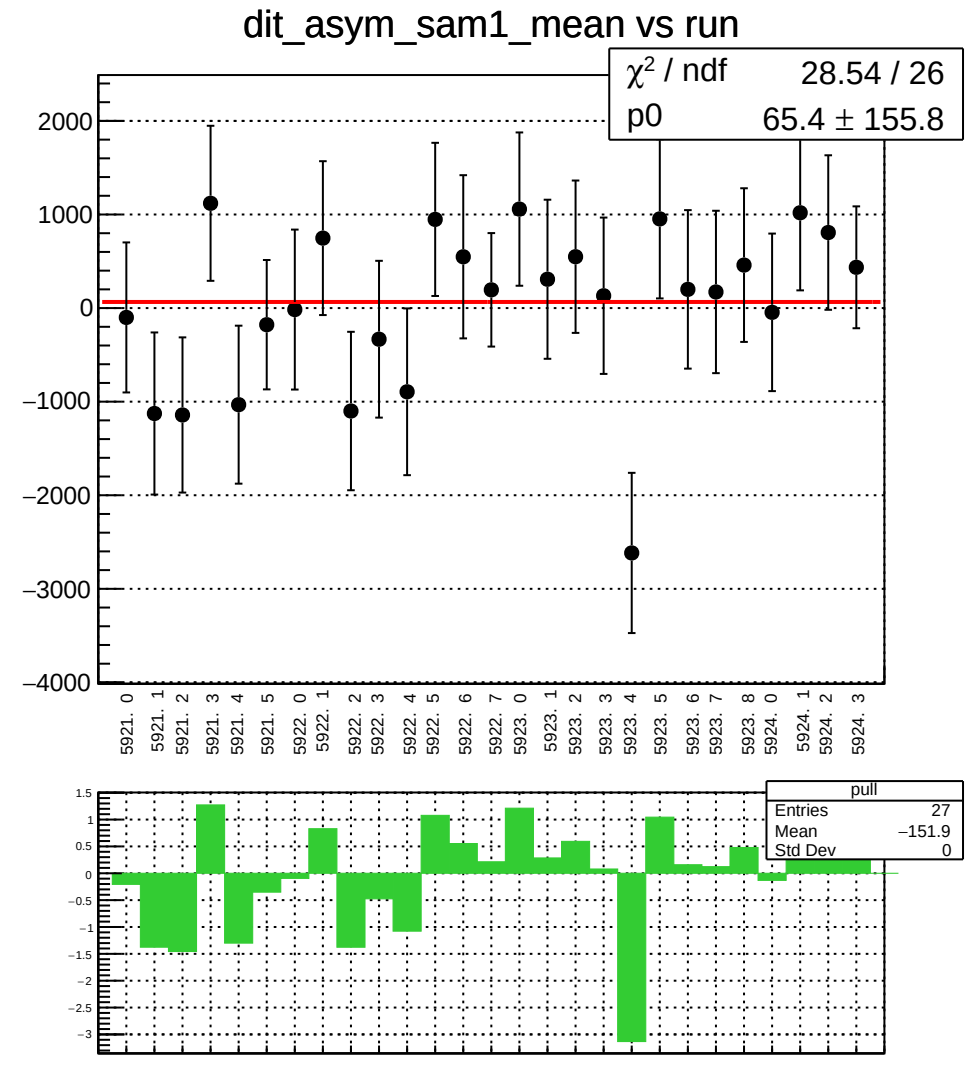

eigen_cor_asym_sam1_mean vs run
χ² / ndf 25.52 / 26
p0 113.1 ± 152.1
2000
1000
0
−1000
−2000
−3000
−4000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −100.3
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
pull1D
Entries 27
Mean −0.01705
Std Dev 0.9721
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

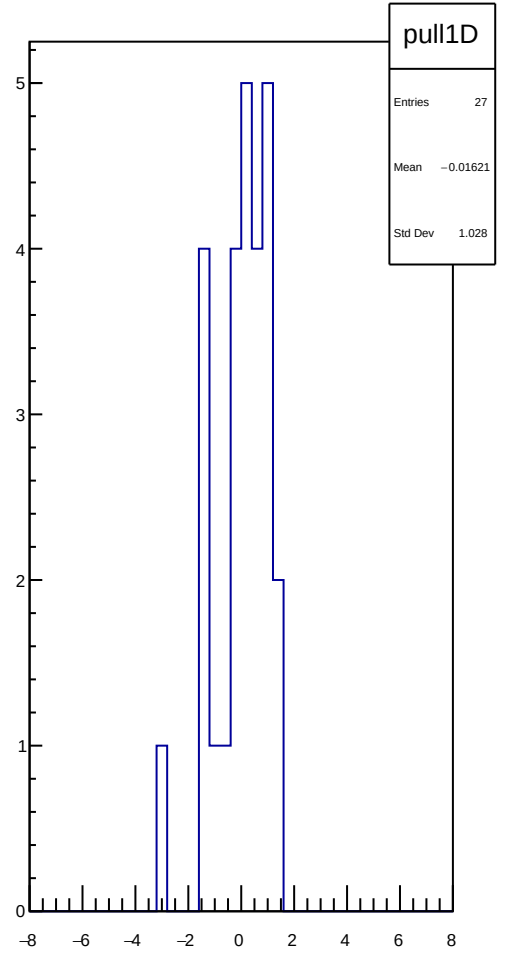

eigen_cor_asym_sam1_rms vs run
χ² / ndf 405.6 / 26
p0 77.31 ± 0.1076
82
80
78
76
74
72
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

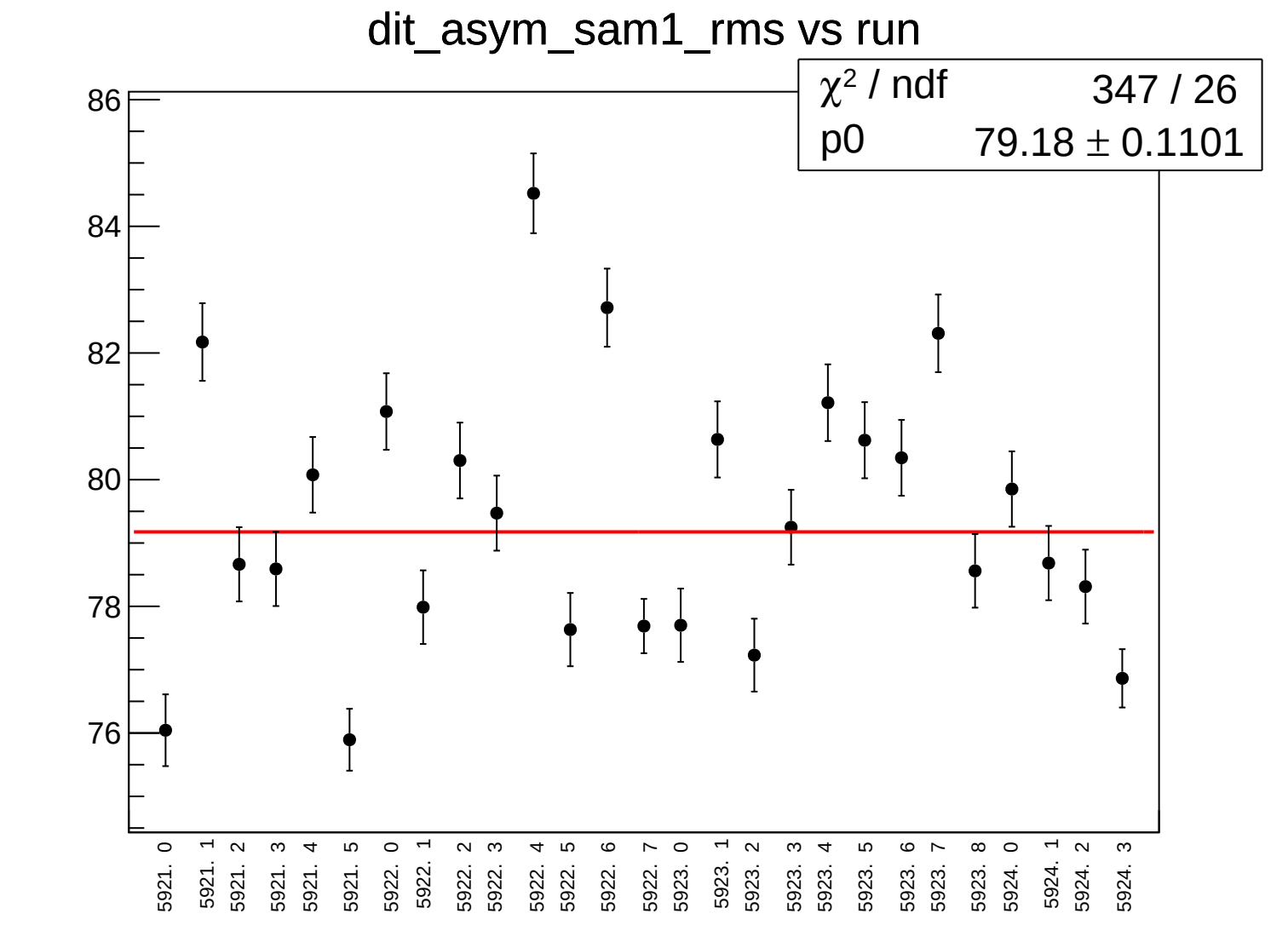

asym_sam1_eigen_cor_correction_mean vs run
χ² / ndf 32.33 / 26
p0 −1161 ± 1262
30000
20000
10000
0
−10000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 37.79
Std Dev 0
3
2
1
0
−1
−2

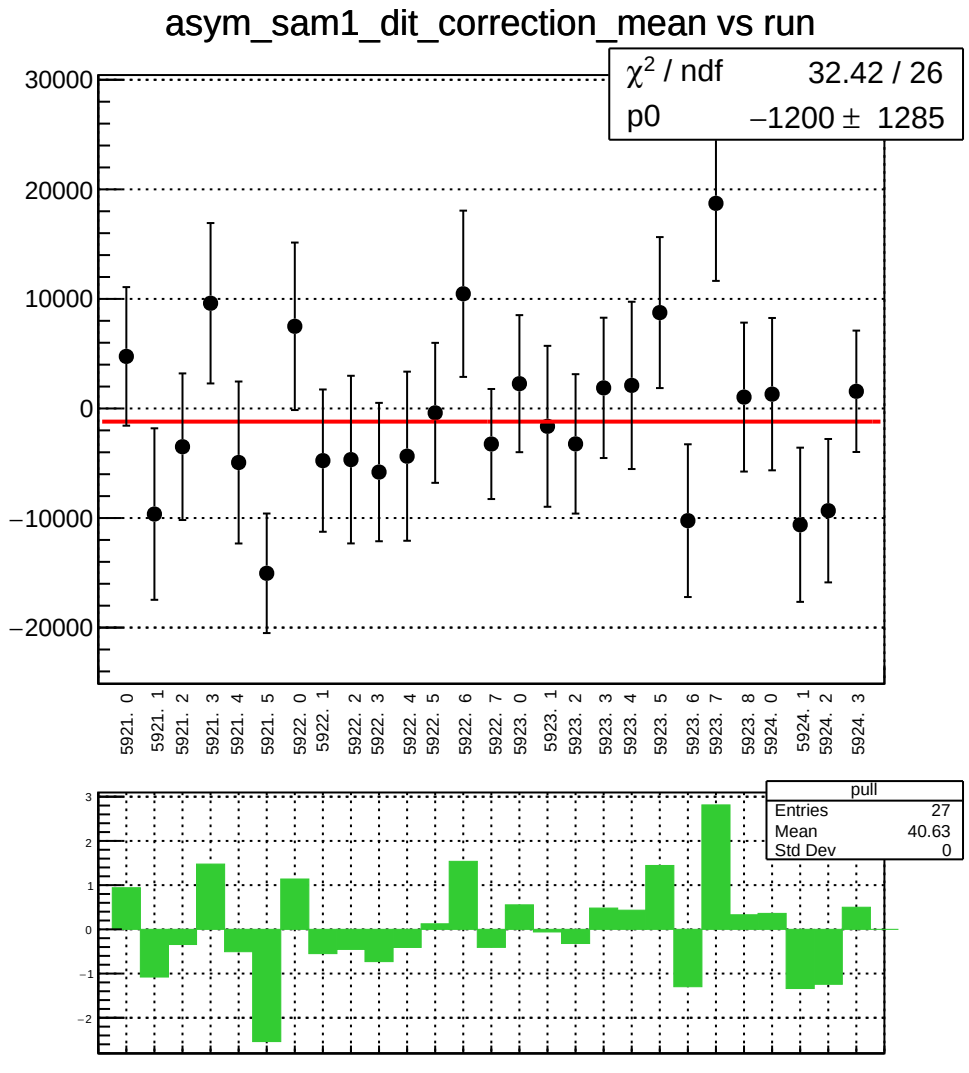

pull1D
Entries 27
Mean 0.03388
Std Dev 1.094
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

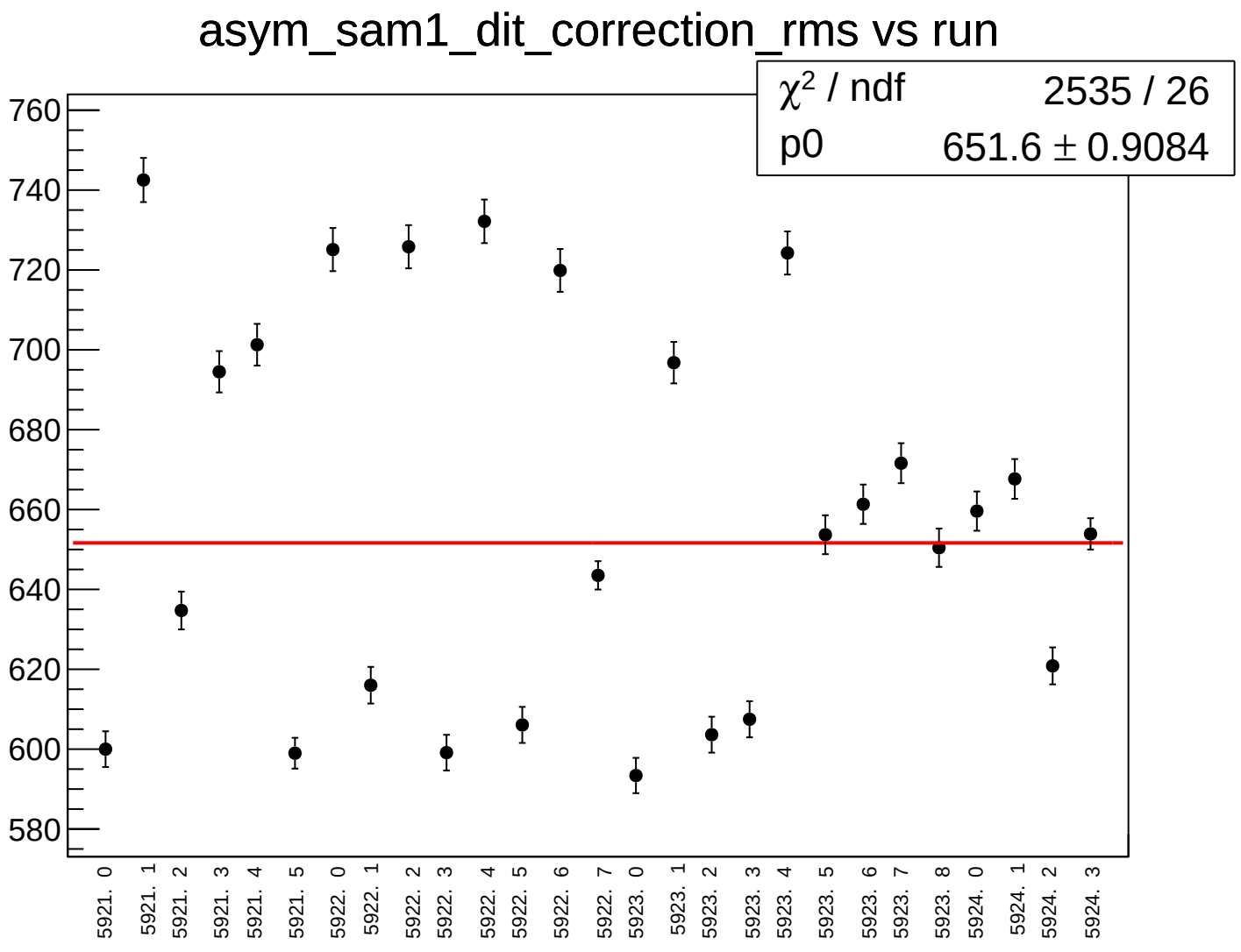

asym_sam1_eigen_cor_correction_rms vs run
χ² / ndf 2565 / 26
p0 640 ± 0.8922
720
700
680
660
640
620
600
580
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

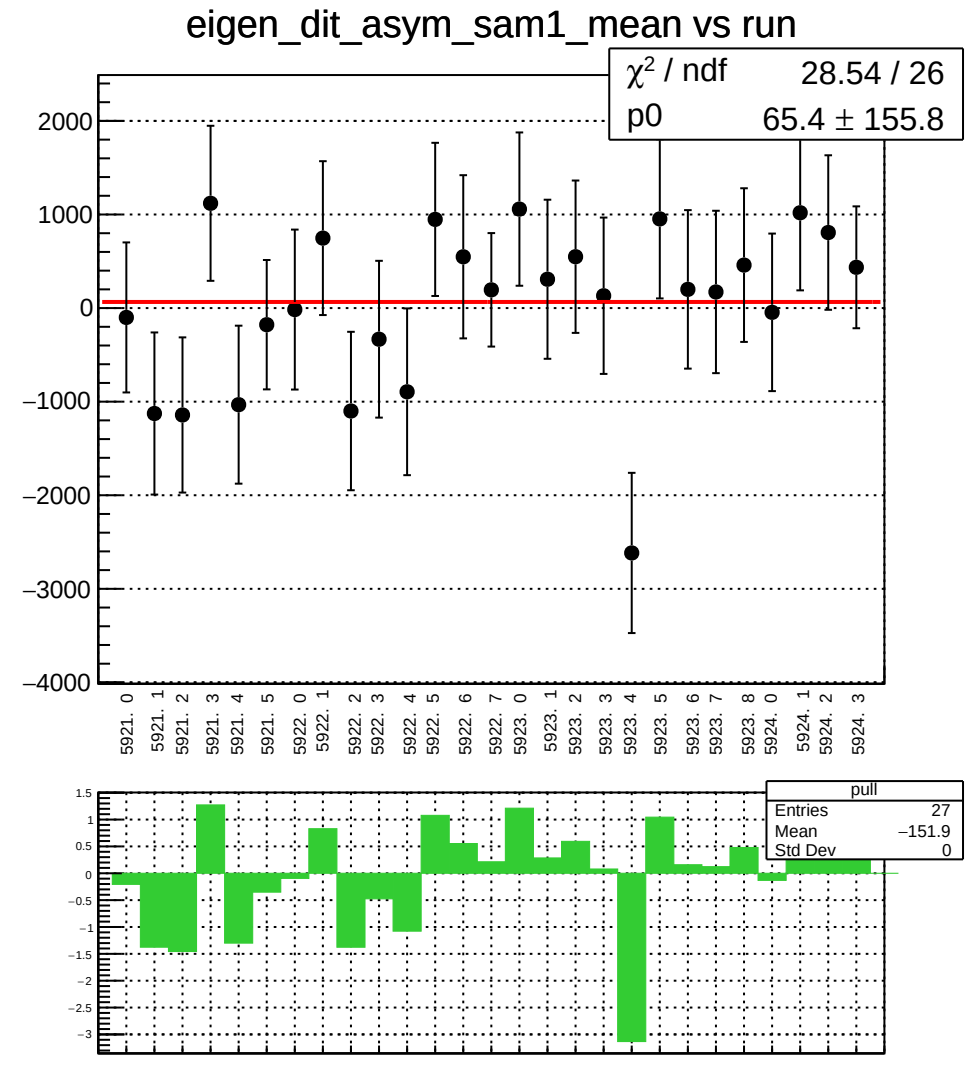

dit_asym_sam1_mean vs run
χ² / ndf 28.54 / 26
p0 65.4 ± 155.8
2000
1000
0
−1000
−2000
−3000
−4000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −151.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

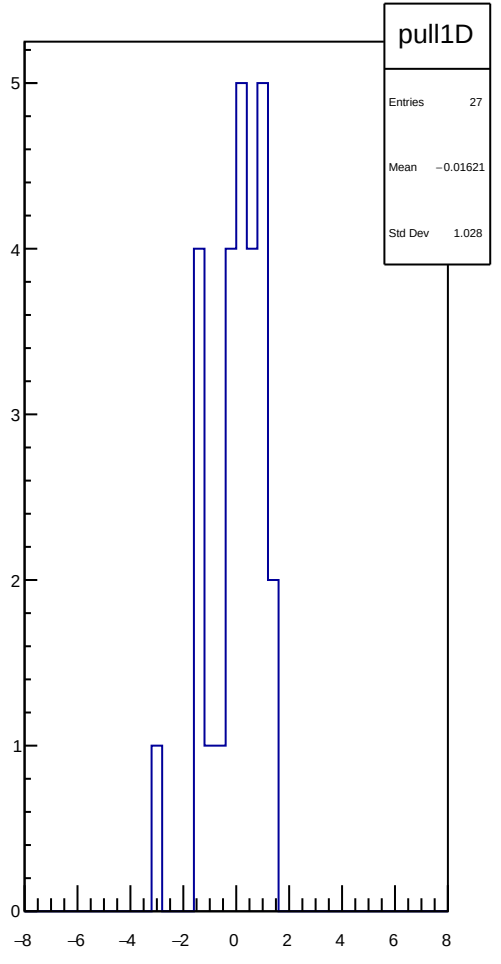

pull1D
Entries 27
Mean −0.01621
Std Dev 1.028
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

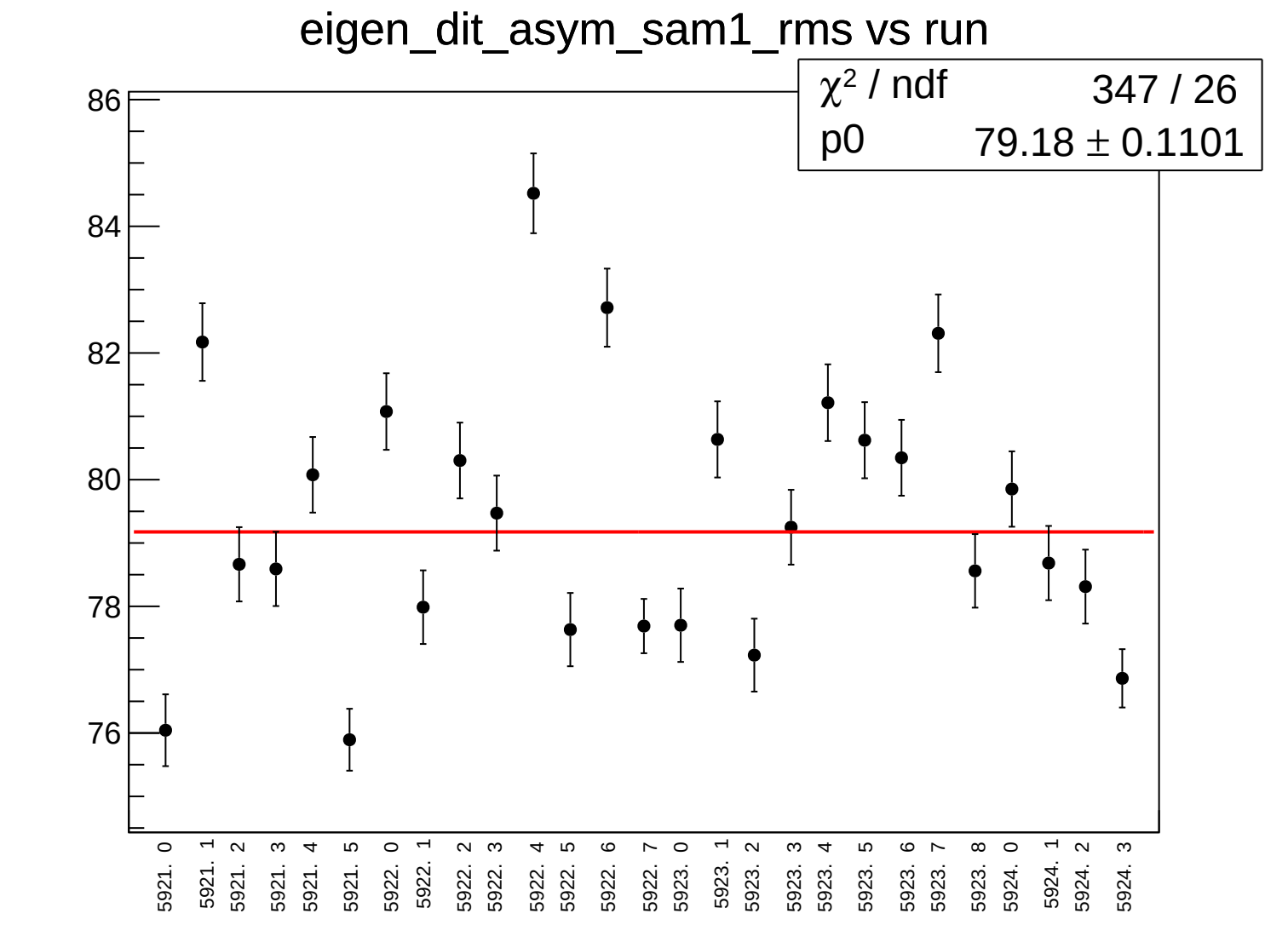

dit_asym_sam1_rms vs run
χ² / ndf 347 / 26
p0 79.18 ± 0.1101
86
84
82
80
78
76
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

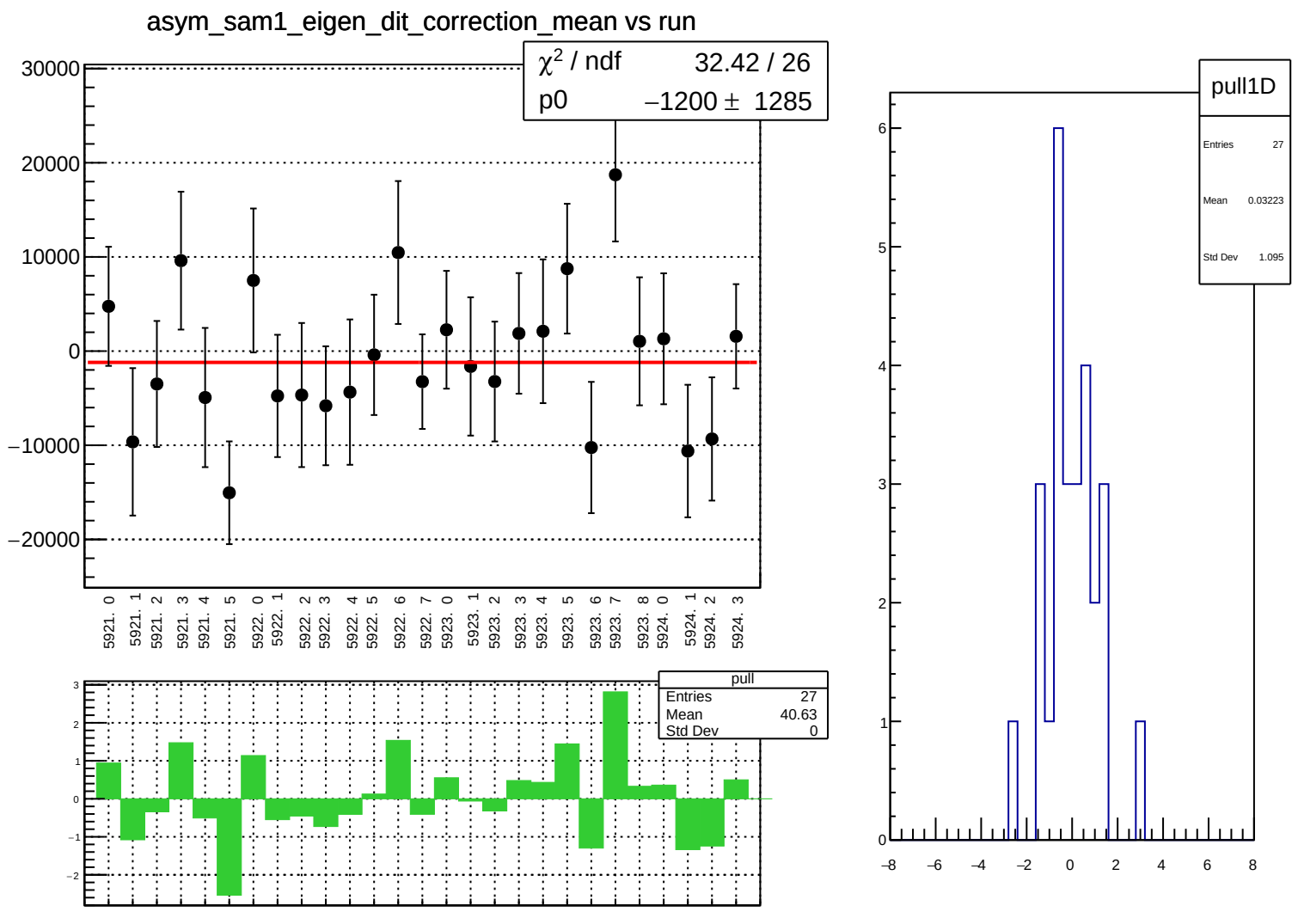

asym_sam1_dit_correction_mean vs run
χ² / ndf 32.42 / 26
p0 −1200 ± 1285
30000
20000
10000
0
−10000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 40.63
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.03223
Std Dev 1.095
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

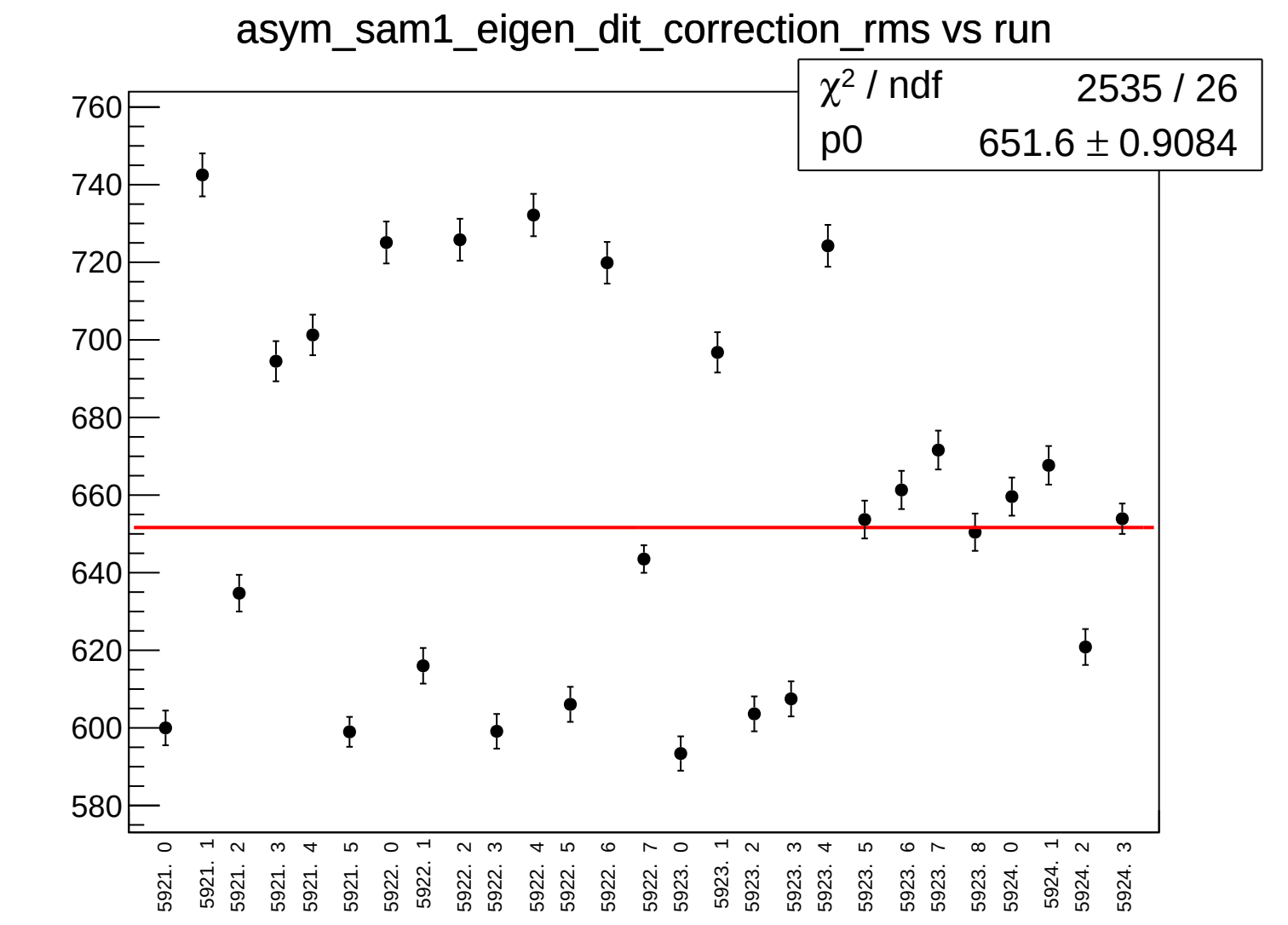

asym_sam1_dit_correction_rms vs run
χ² / ndf 2535 / 26
p0 651.6 ± 0.9084
760
740
720
700
680
660
640
620
600
580
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

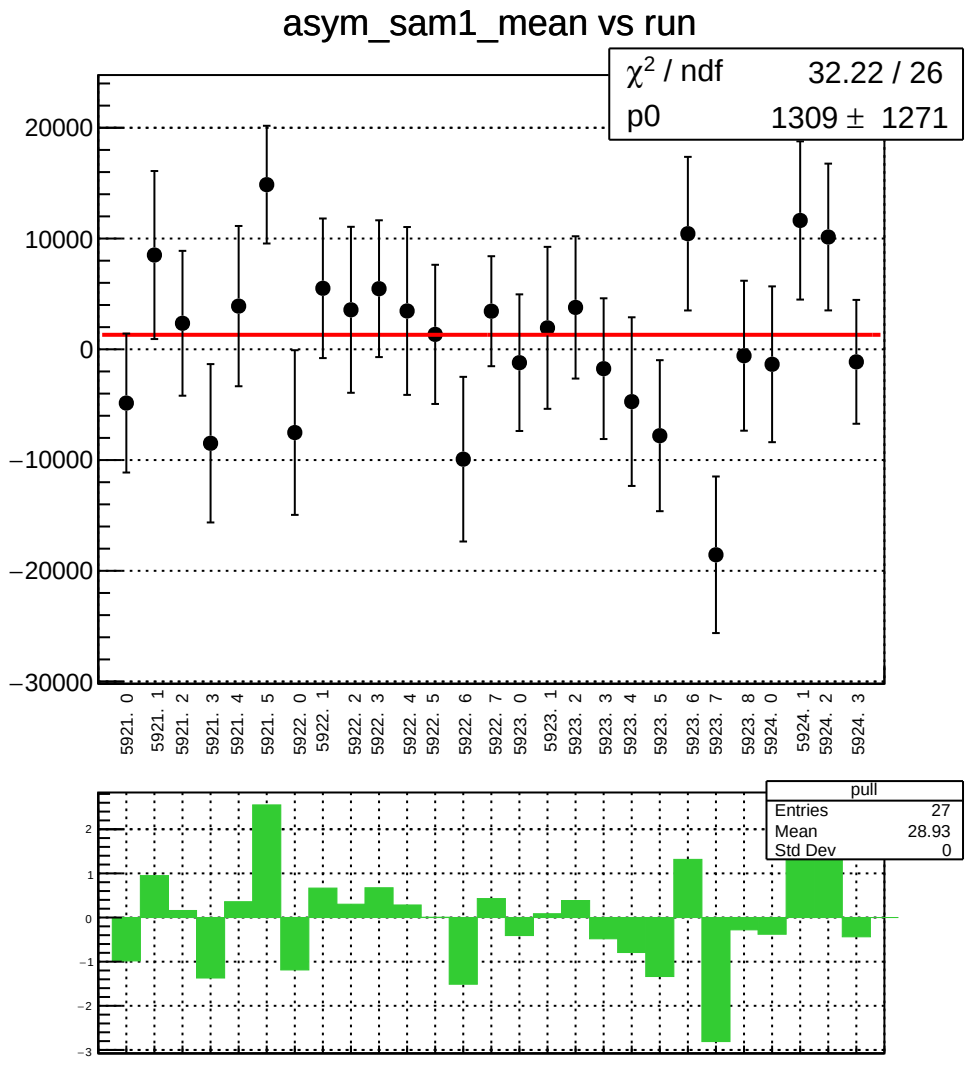

eigen_dit_asym_sam1_mean vs run
χ² / ndf 28.54 / 26
p0 65.4 ± 155.8
2000
1000
0
−1000
−2000
−3000
−4000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −151.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

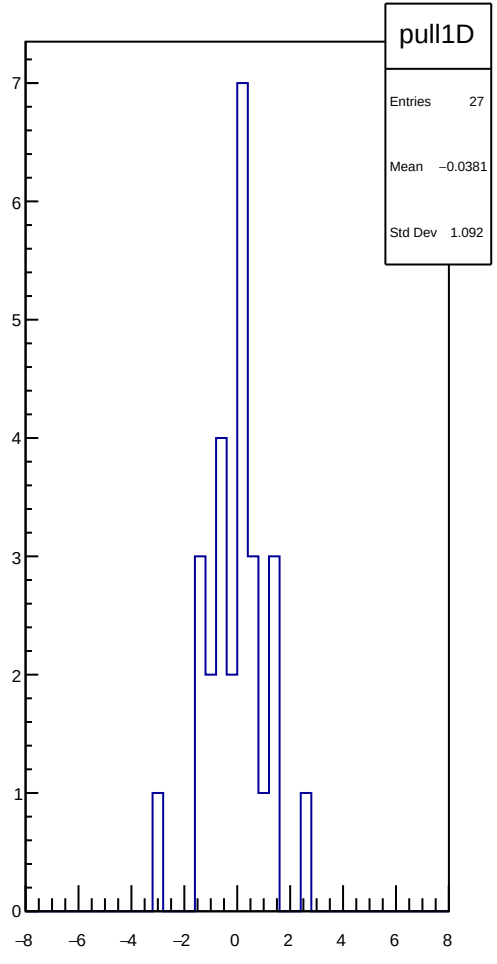

pull1D
Entries 27
Mean −0.01621
Std Dev 1.028
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

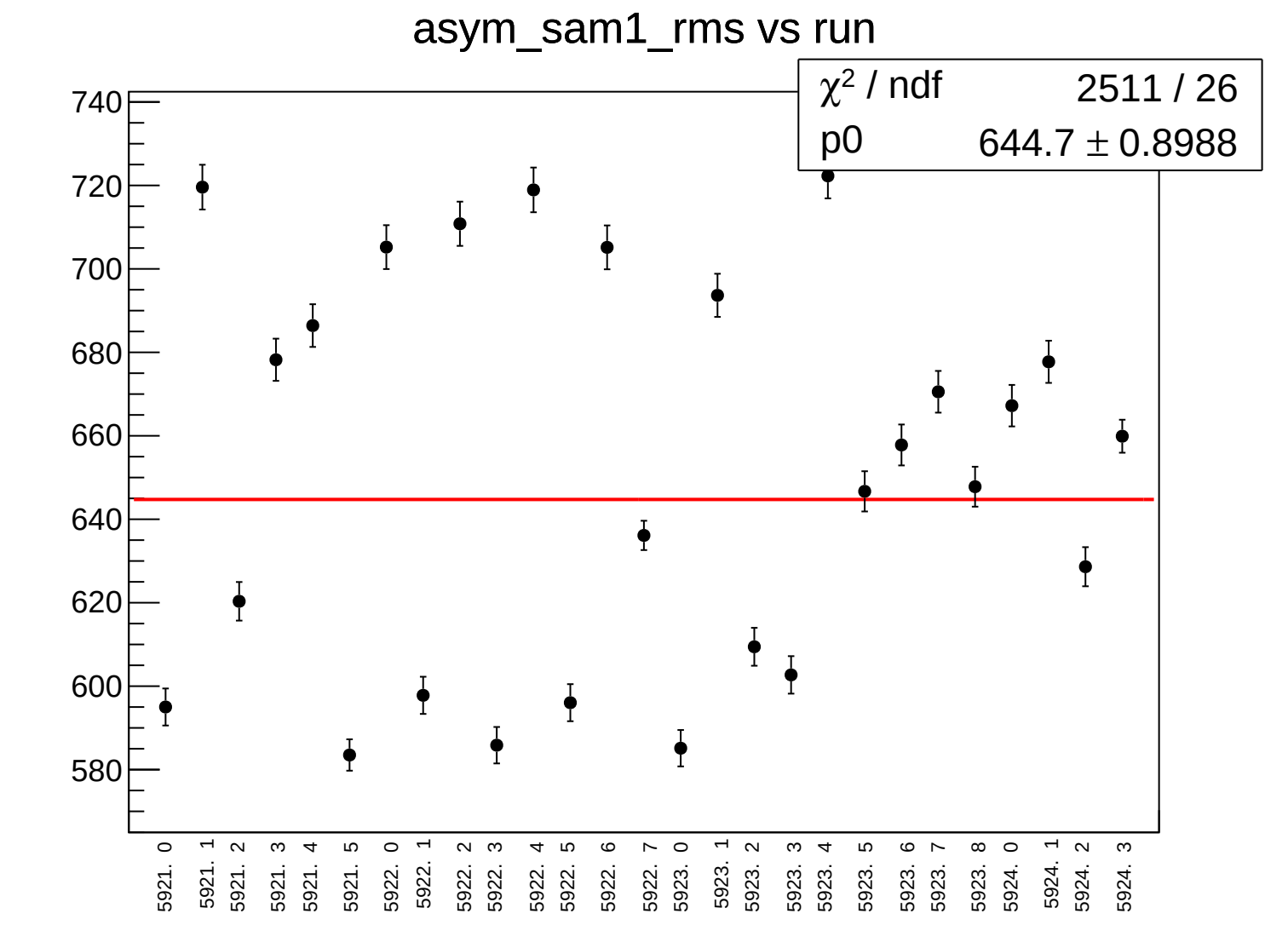

eigen_dit_asym_sam1_rms vs run
χ² / ndf 347 / 26
p0 79.18 ± 0.1101
86
84
82
80
78
76
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

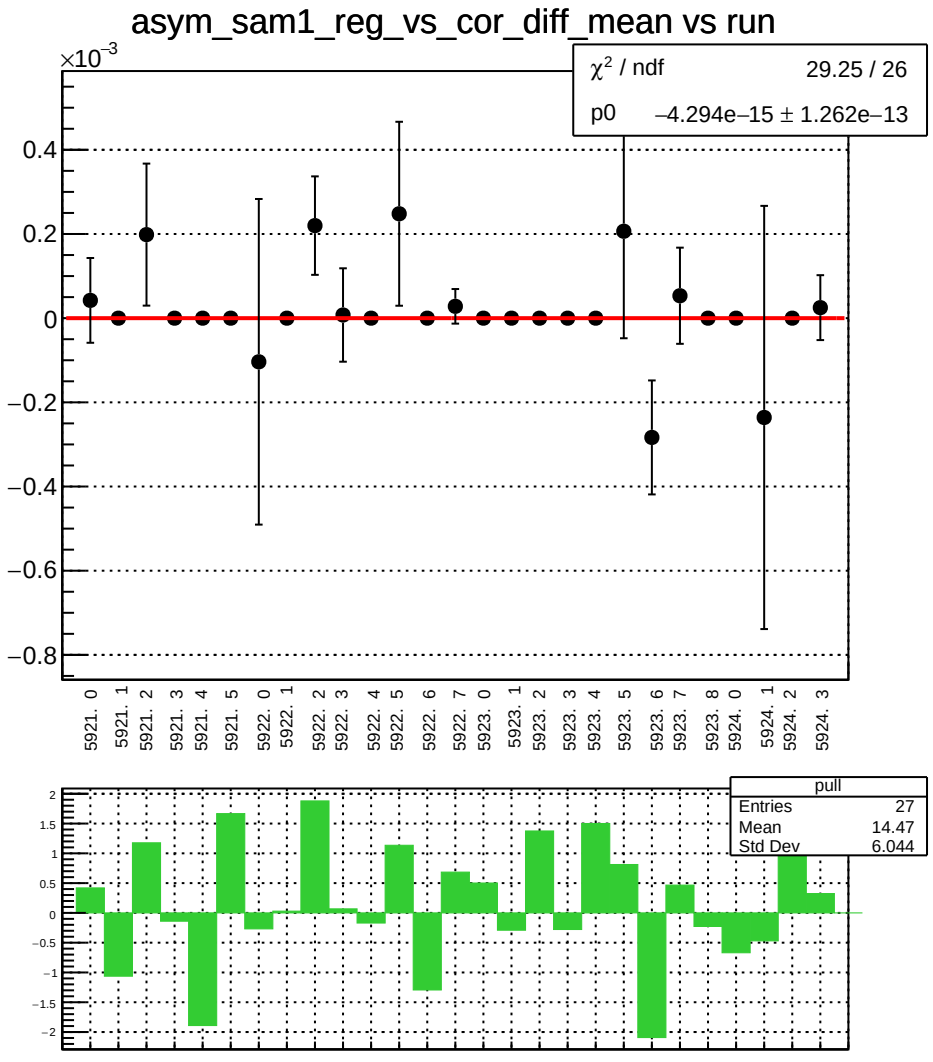

asym_sam1_eigen_dit_correction_mean vs run
χ² / ndf 32.42 / 26
p0 −1200 ± 1285
30000
20000
10000
0
−10000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 40.63
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.03223
Std Dev 1.095
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

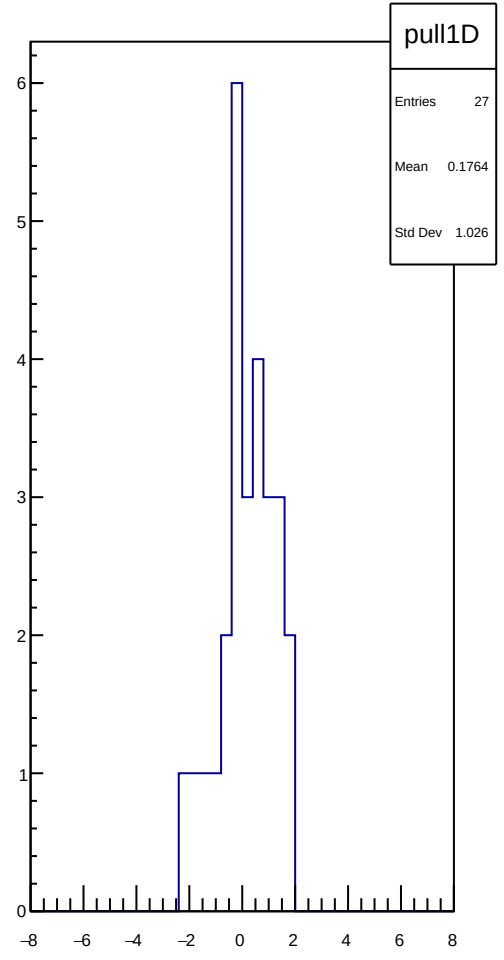

asym_sam1_eigen_dit_correction_rms vs run
χ² / ndf 2535 / 26
p0 651.6 ± 0.9084
760
740
720
700
680
660
640
620
600
580
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

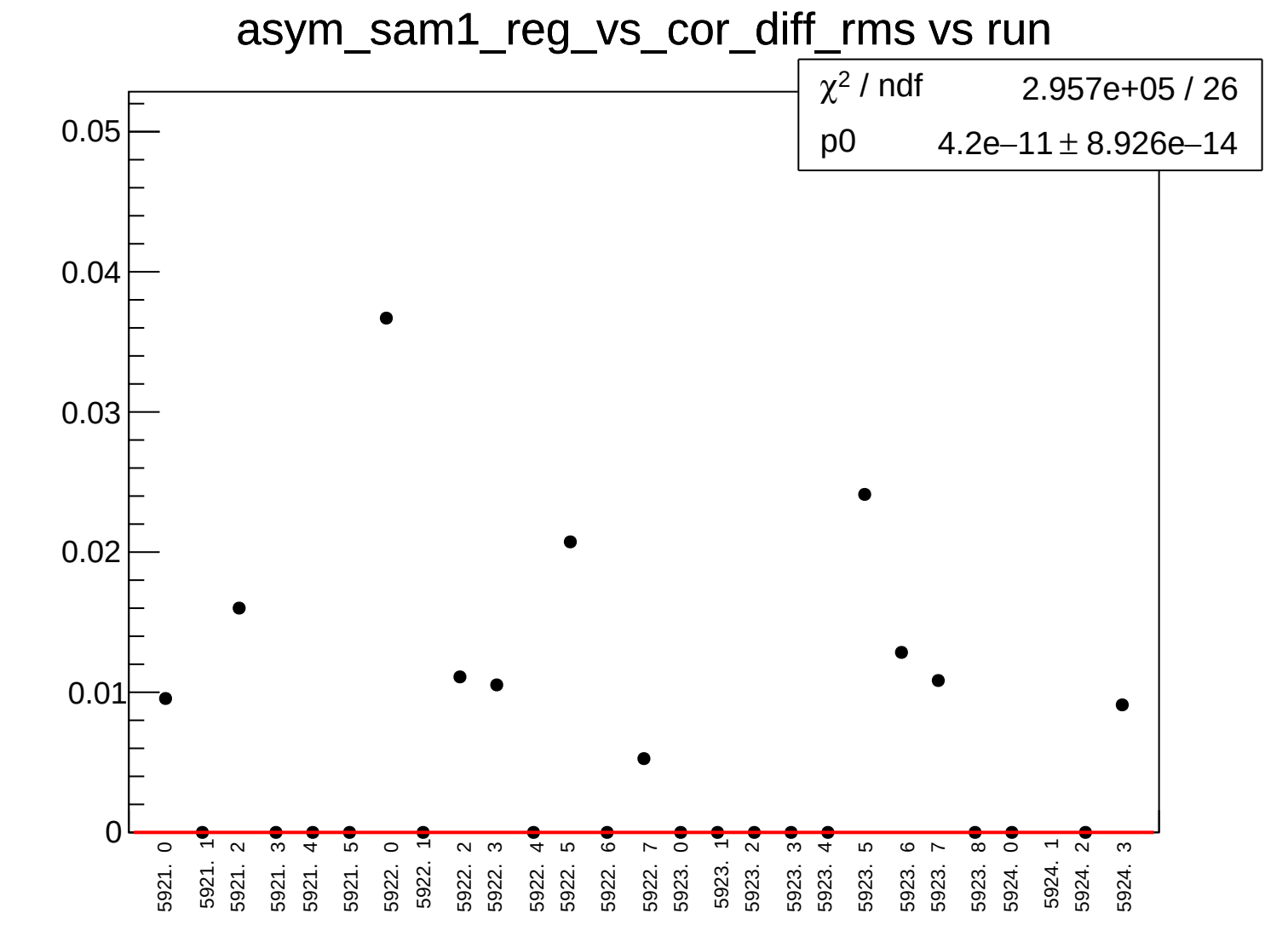

asym_sam1_mean vs run
χ² / ndf 32.22 / 26
p0 1309 ± 1271
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 28.93
Std Dev 0
2
1
0
−1
−2
−3

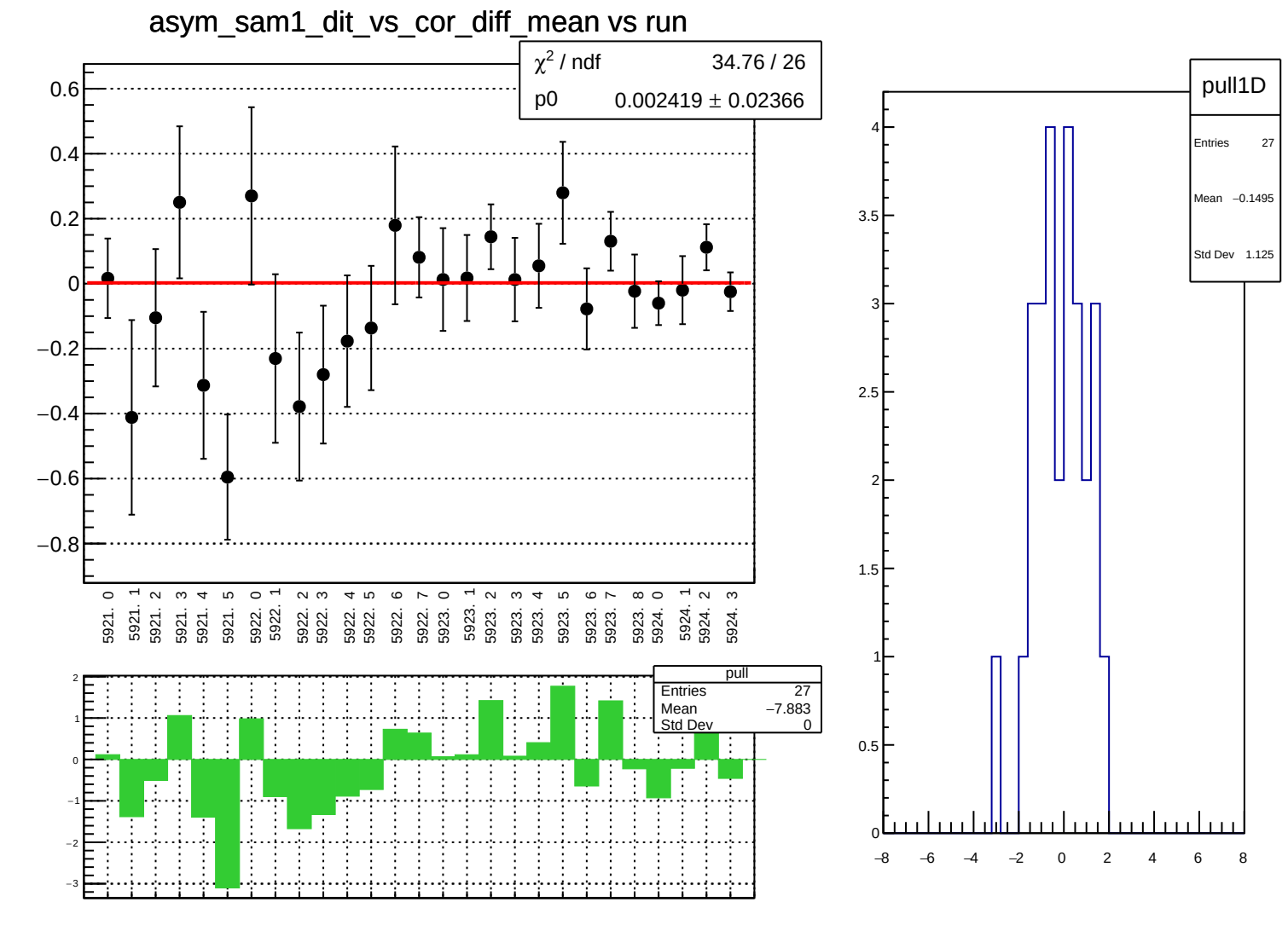

pull1D
Entries 27
Mean −0.0381
Std Dev 1.092
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

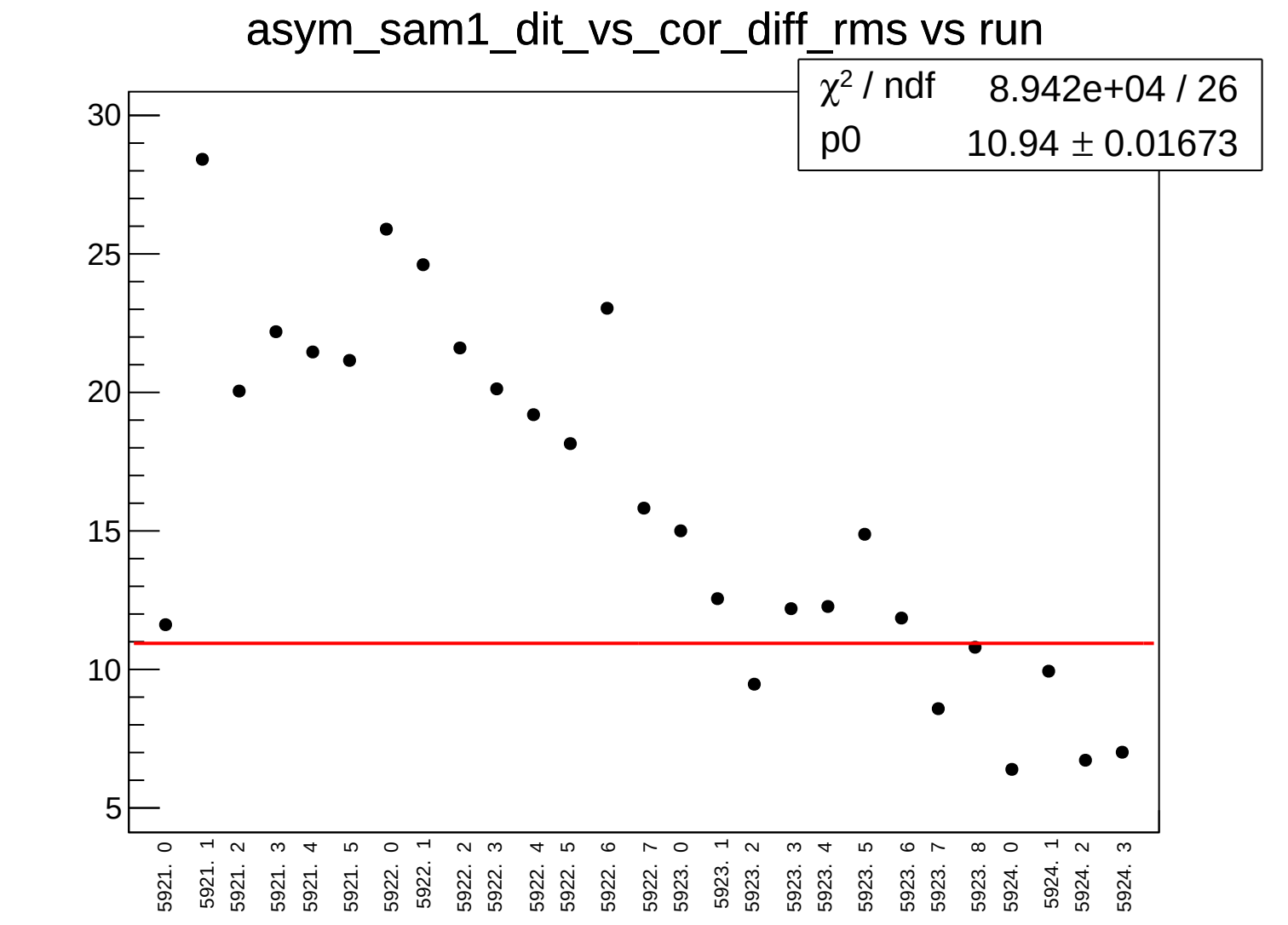

asym_sam1_rms vs run
χ² / ndf 2511 / 26
p0 644.7 ± 0.8988
740
720
700
680
660
640
620
600
580
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

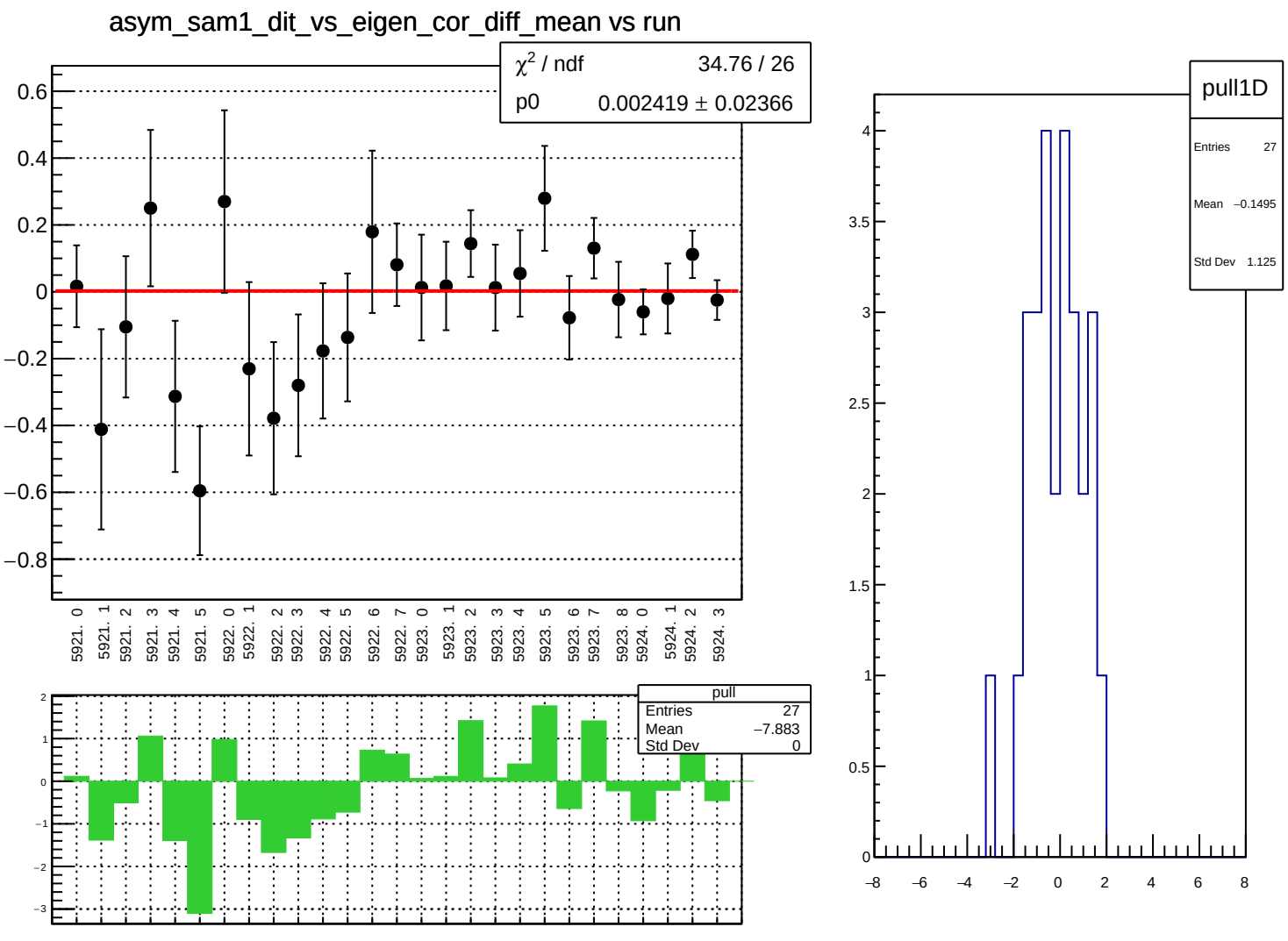

asym_sam1_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 29.25 / 26
p0 −4.294e−15 ± 1.262e−13
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 14.47
Std Dev 6.044
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

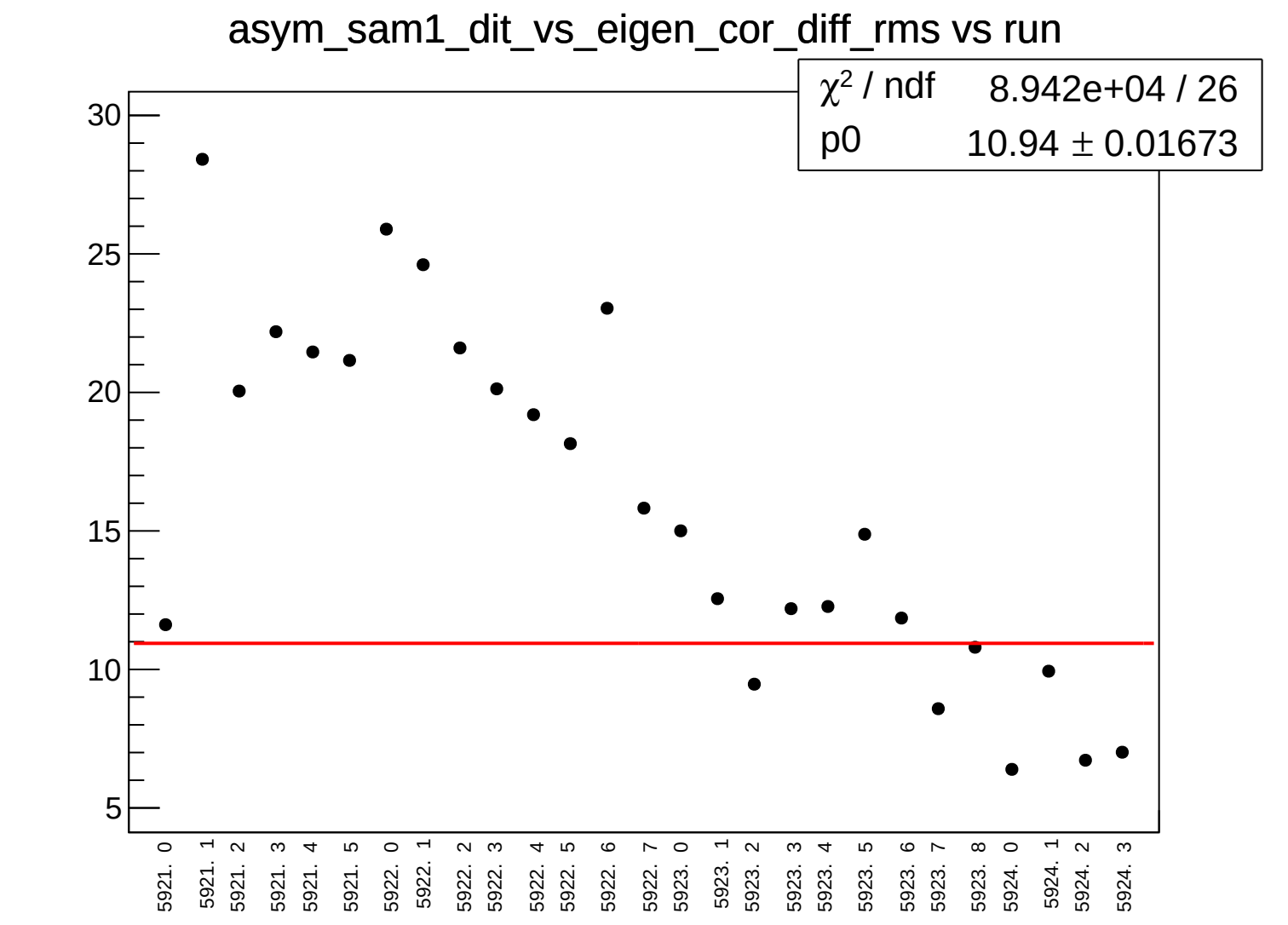

pull1D
Entries 27
Mean 0.1764
Std Dev 1.026
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

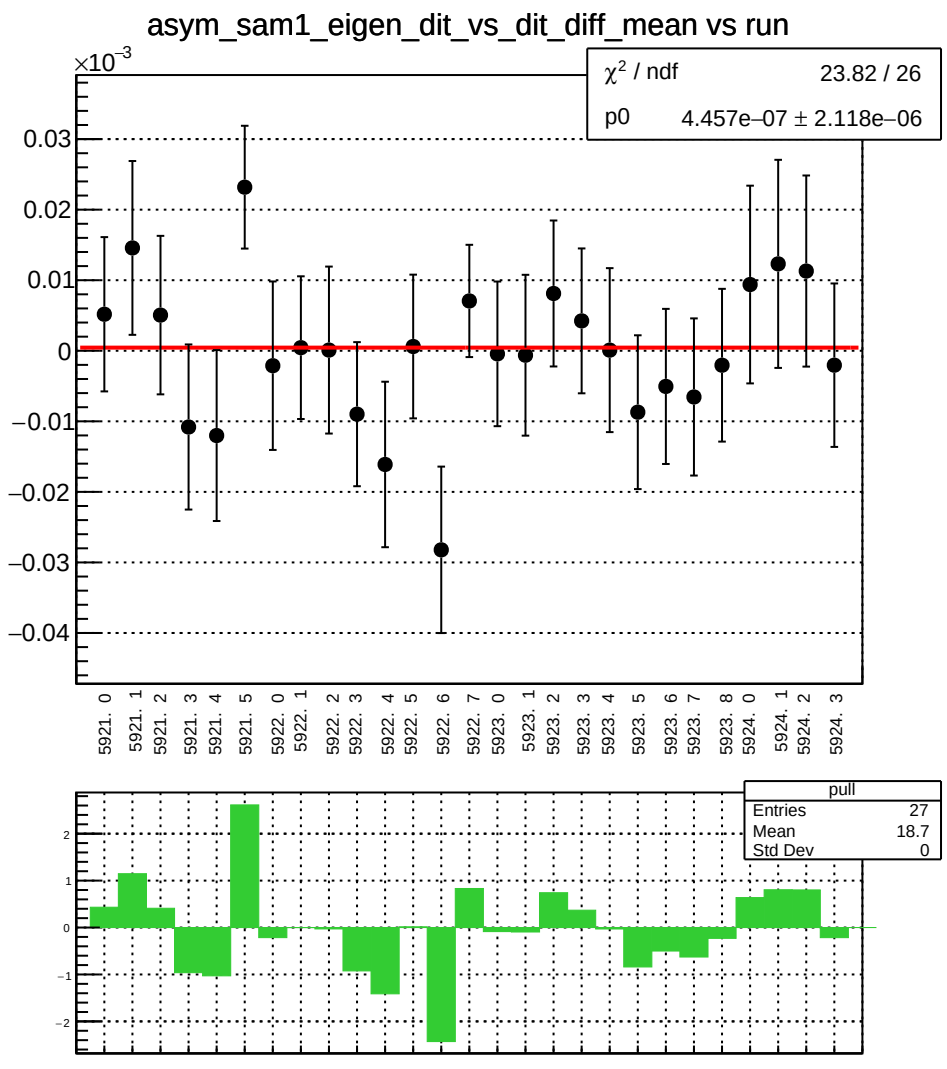

asym_sam1_reg_vs_cor_diff_rms vs run
χ² / ndf 2.957e+05 / 26
p0 4.2e−11 ± 8.926e−14
0.05
0.04
0.03
0.02
0.01
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

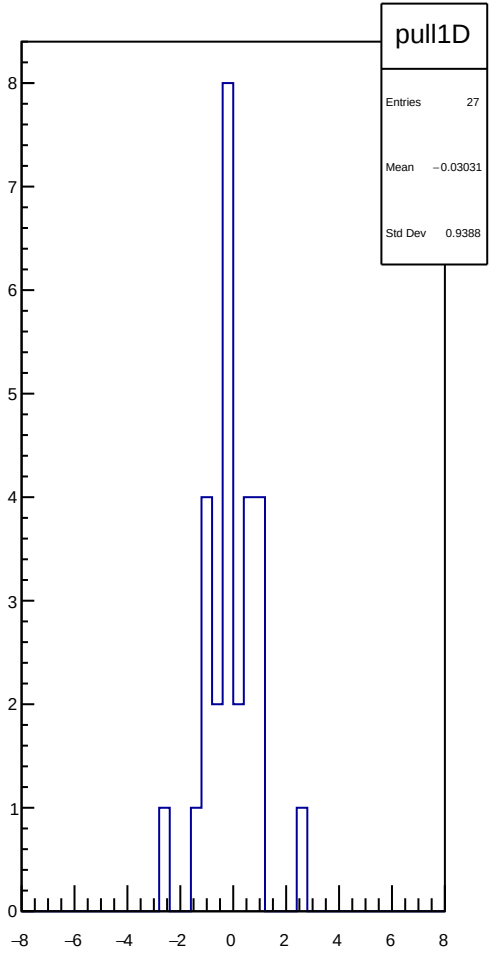

asym_sam1_dit_vs_cor_diff_mean vs run
χ² / ndf 34.76 / 26
p0 0.002419 ± 0.02366
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −7.883
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 27
Mean −0.1495
Std Dev 1.125
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

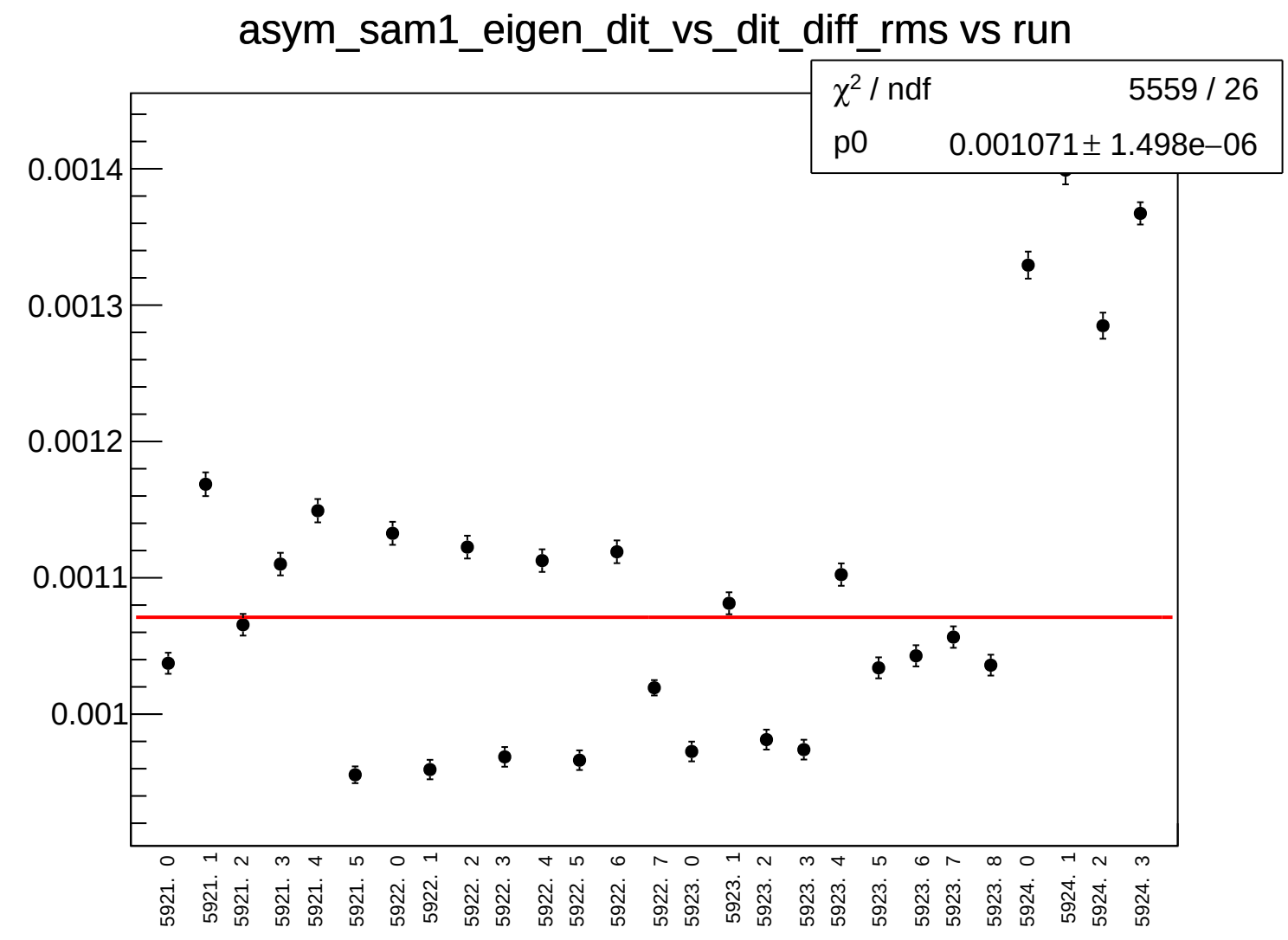

asym_sam1_dit_vs_cor_diff_rms vs run
χ² / ndf 8.942e+04 / 26
p0 10.94 ± 0.01673
30
25
20
15
10
5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

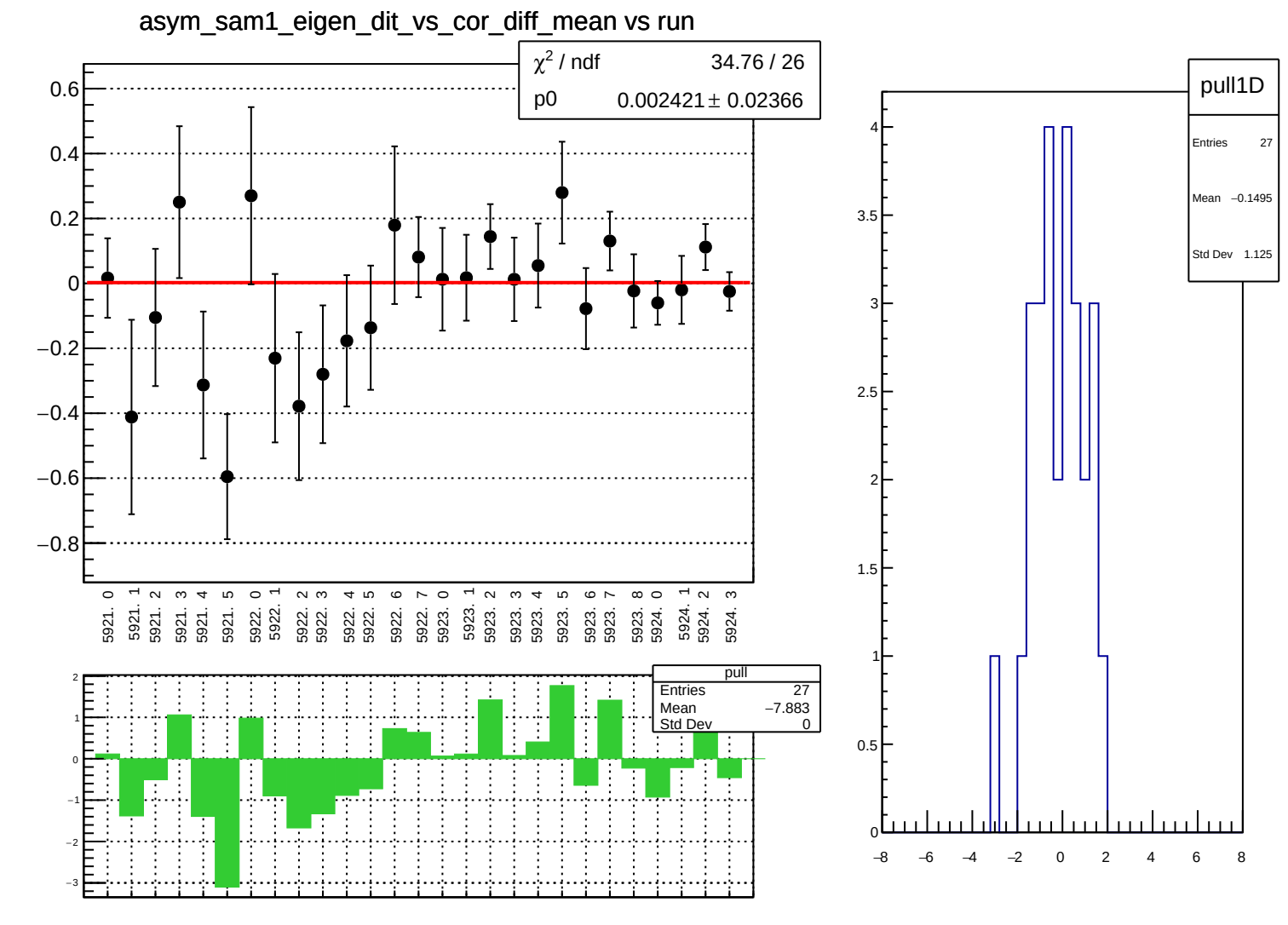

asym_sam1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 34.76 / 26
p0 0.002419 ± 0.02366
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −7.883
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 27
Mean −0.1495
Std Dev 1.125
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

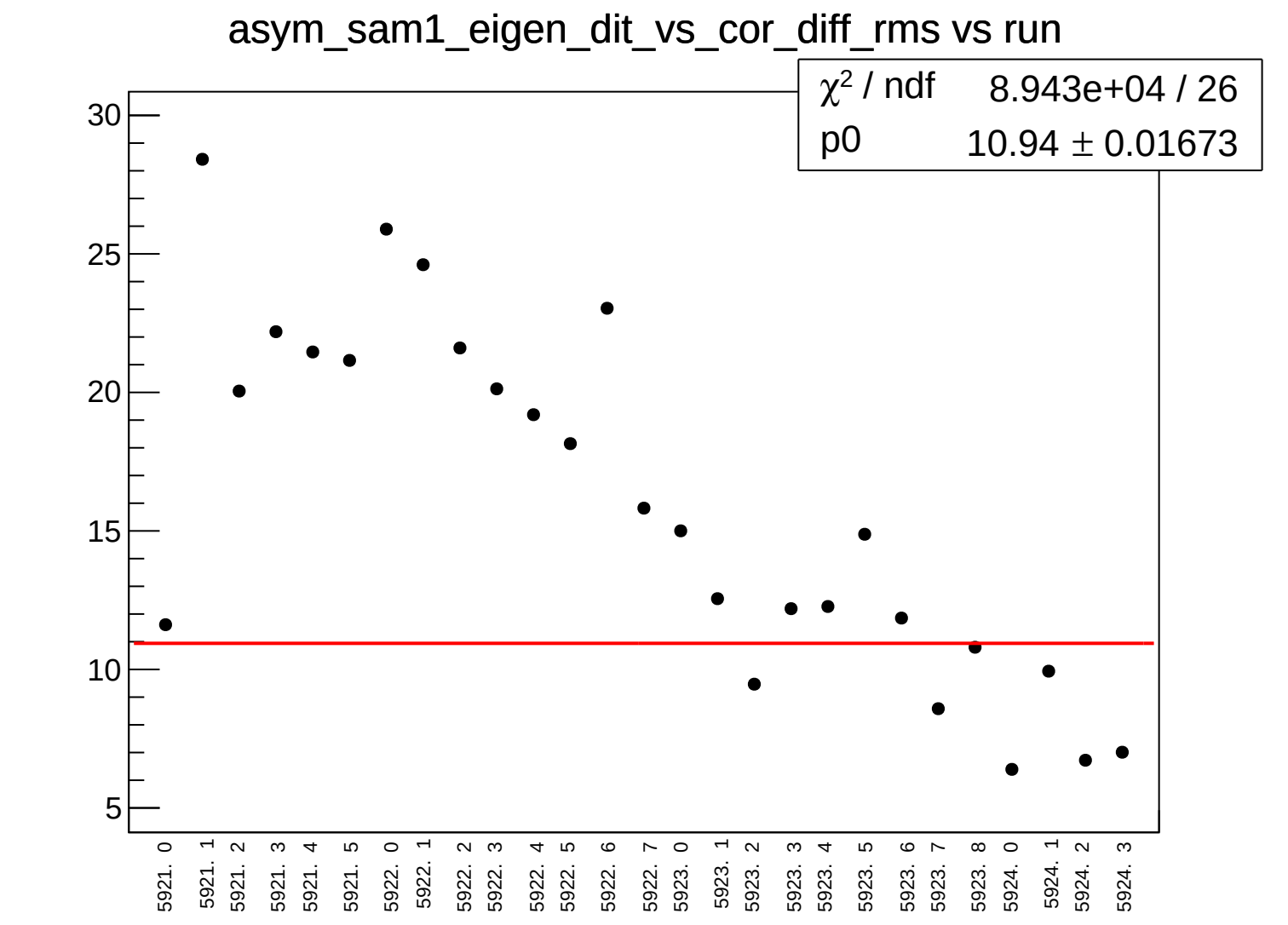

asym_sam1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.942e+04 / 26
p0 10.94 ± 0.01673
30
25
20
15
10
5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

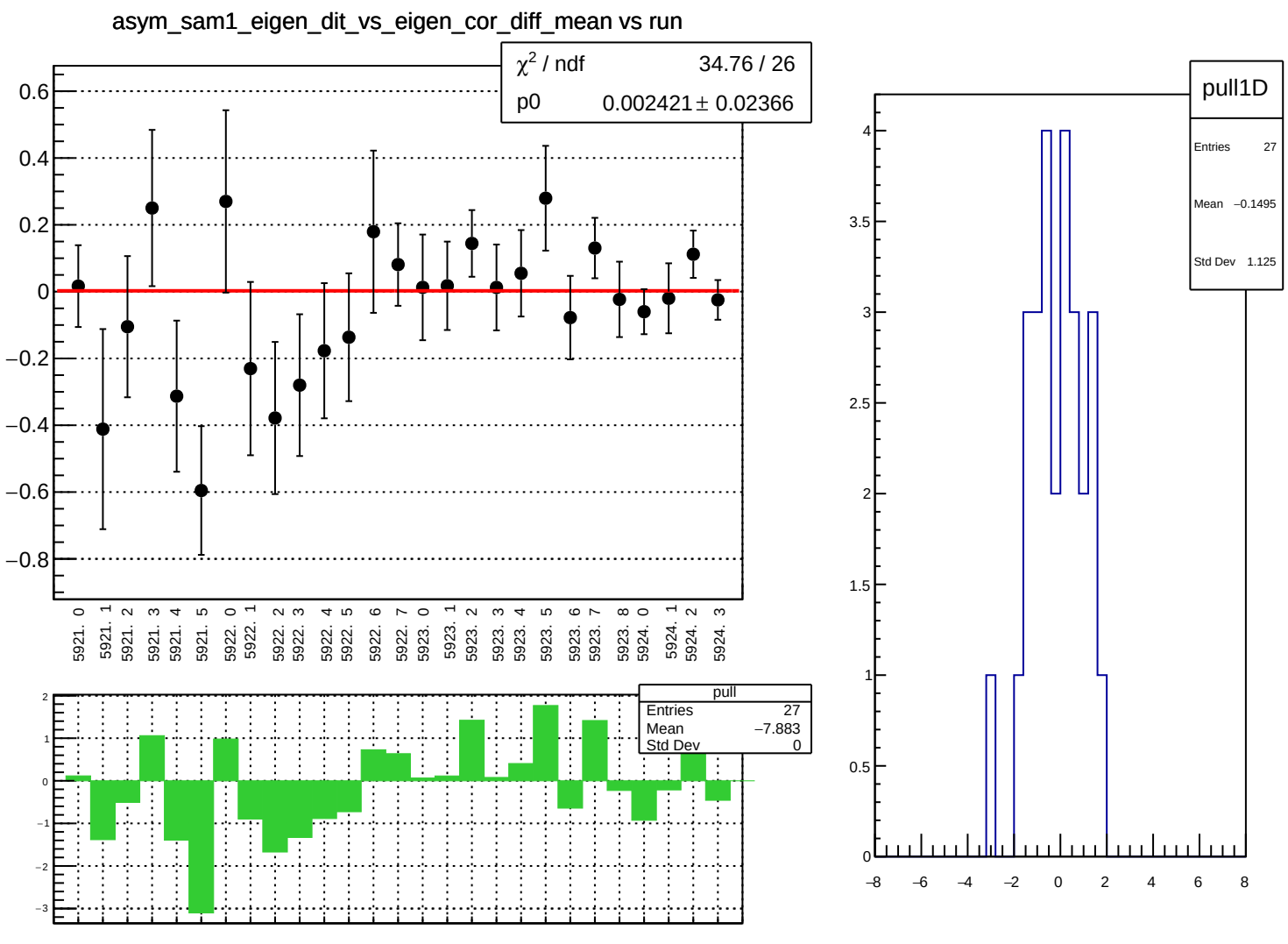

asym_sam1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 23.82 / 26
p0 4.457e−07 ± 2.118e−06
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 18.7
Std Dev 0
2
1
0
−1
−2

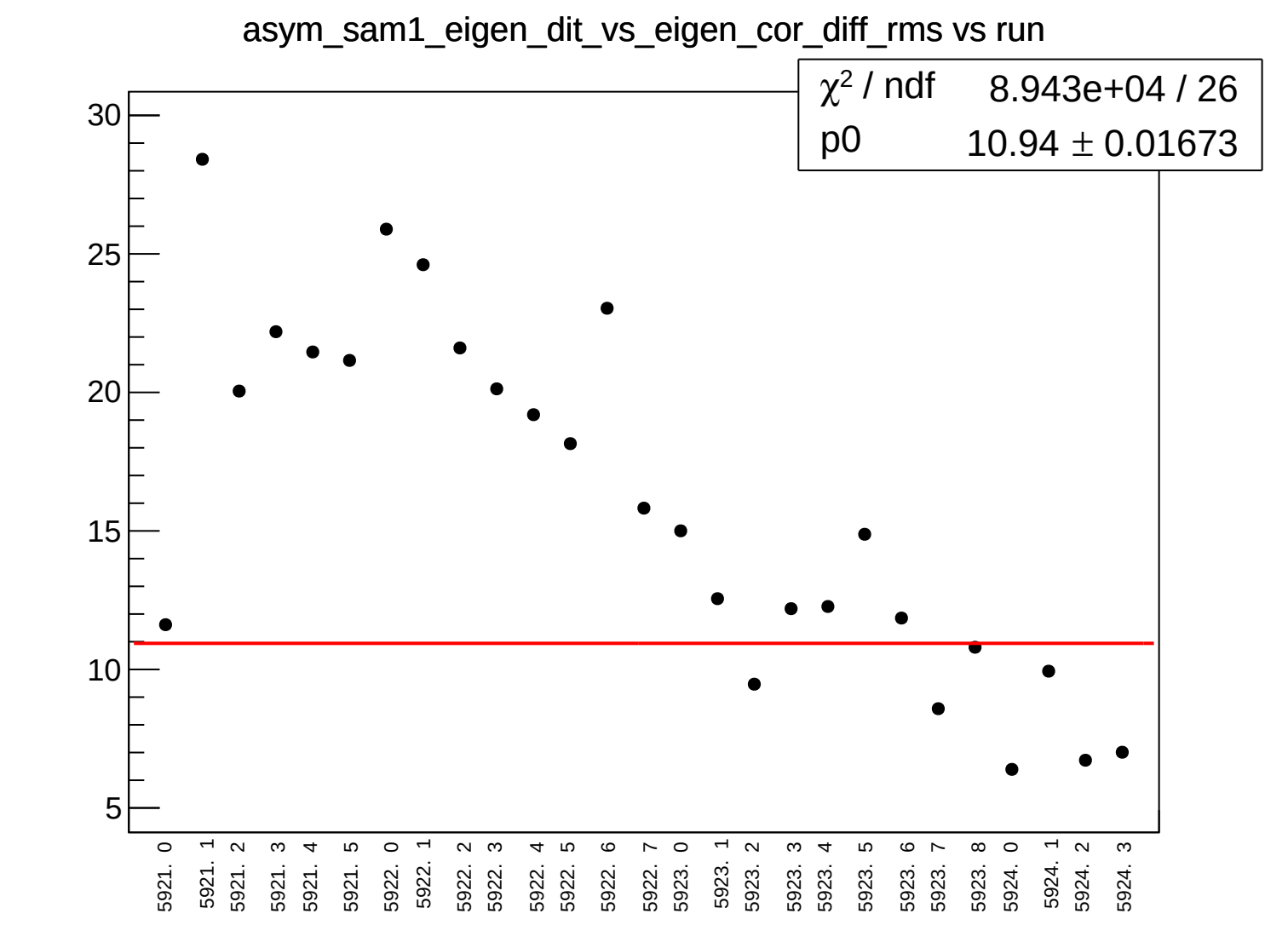

pull1D
Entries 27
Mean −0.03031
Std Dev 0.9388
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

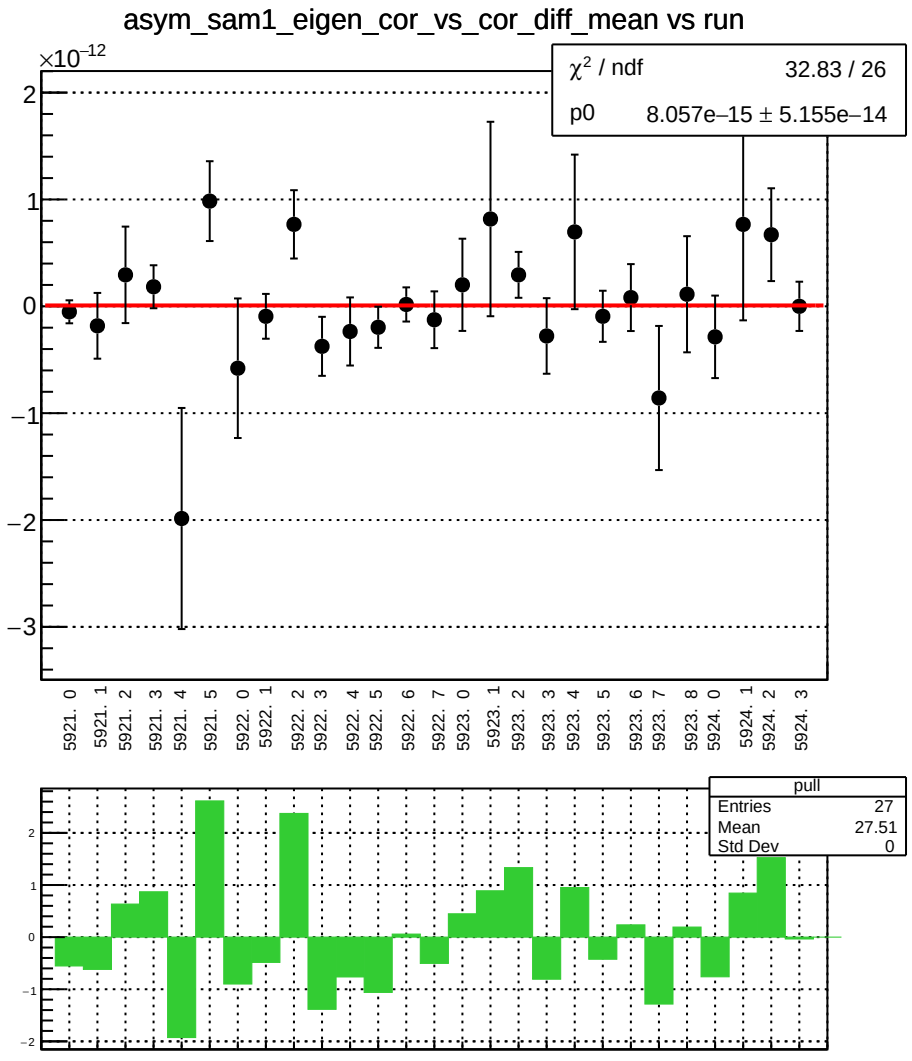

asym_sam1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5559 / 26
p0 0.001071 ± 1.498e−06
0.0014
0.0013
0.0012
0.0011
0.001
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

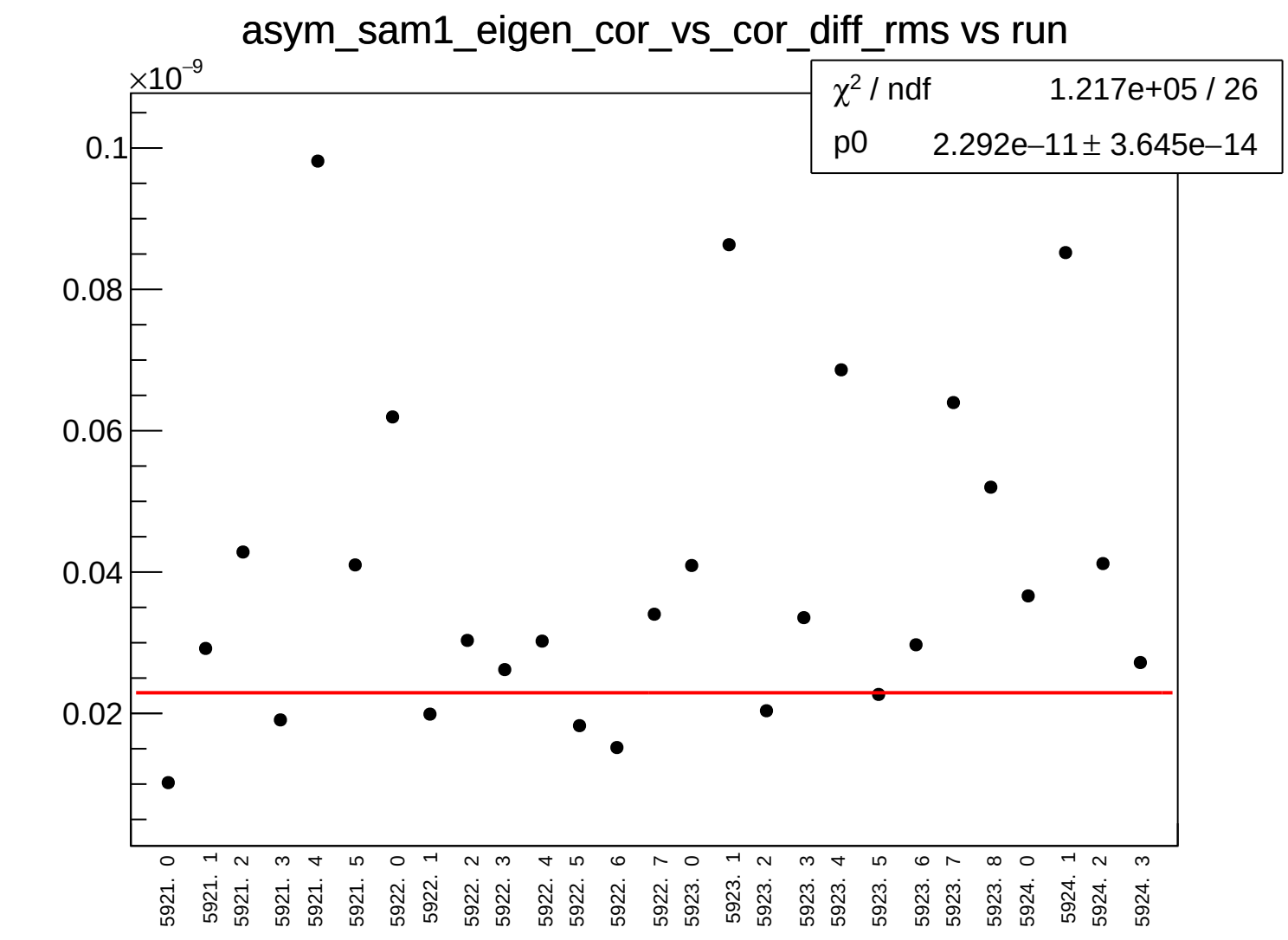

asym_sam1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 34.76 / 26
p0 0.002421 ± 0.02366
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −7.883
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 27
Mean −0.1495
Std Dev 1.125
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

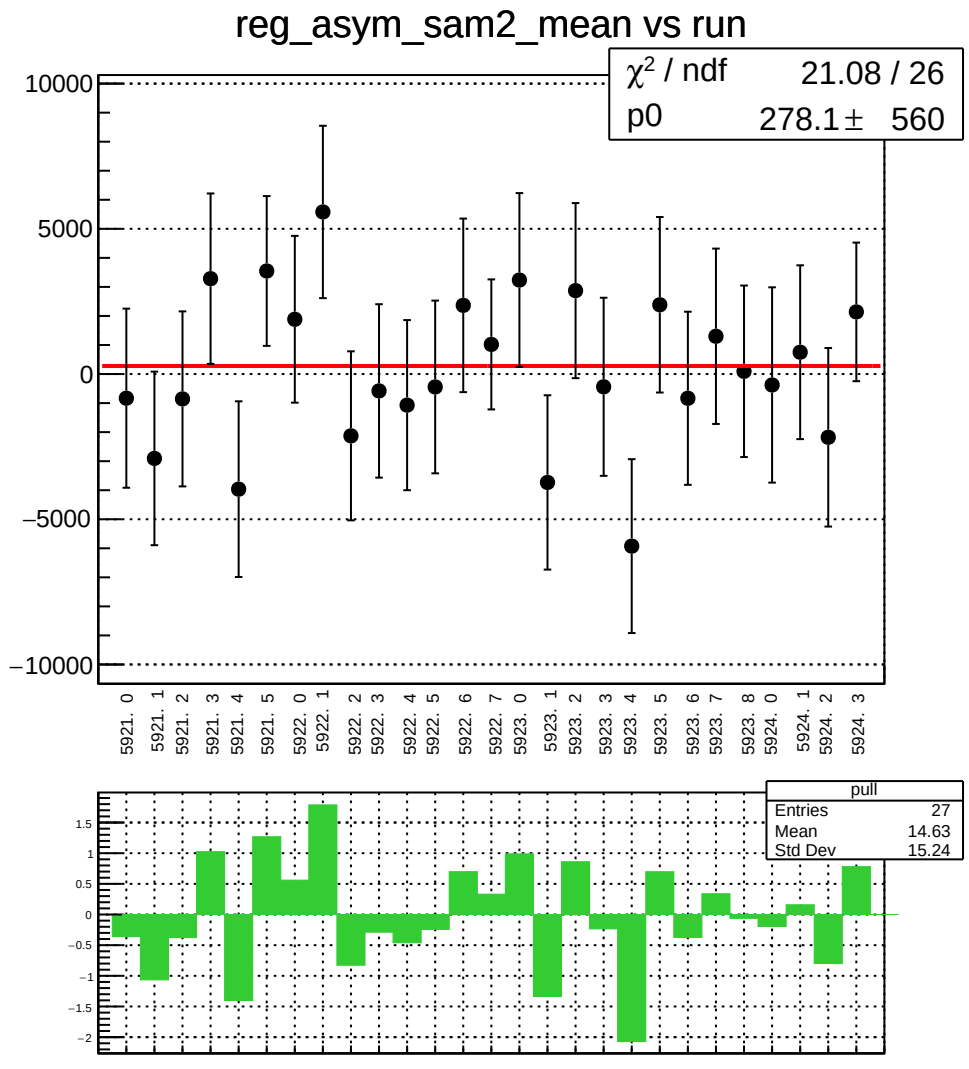

asym_sam1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.943e+04 / 26
p0 10.94 ± 0.01673
30
25
20
15
10
5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

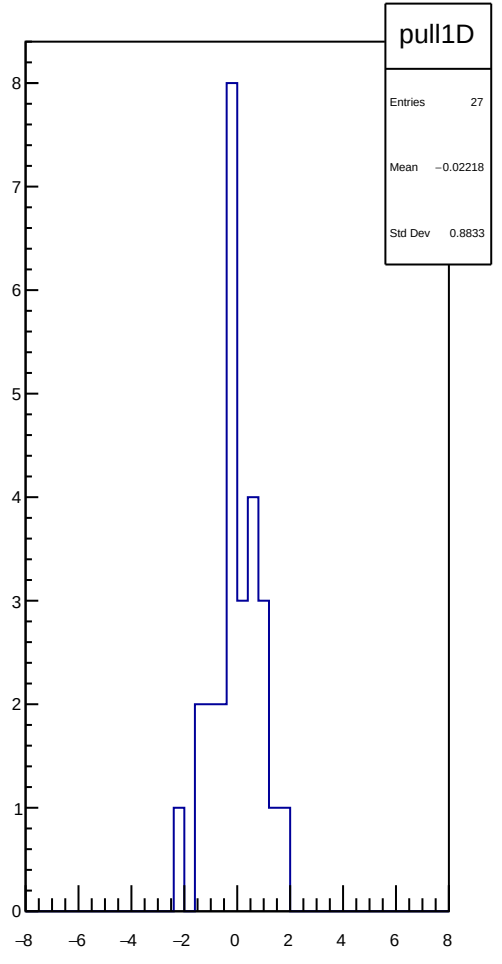

asym_sam1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 34.76 / 26
p0 0.002421 ± 0.02366
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −7.883
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 27
Mean −0.1495
Std Dev 1.125
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

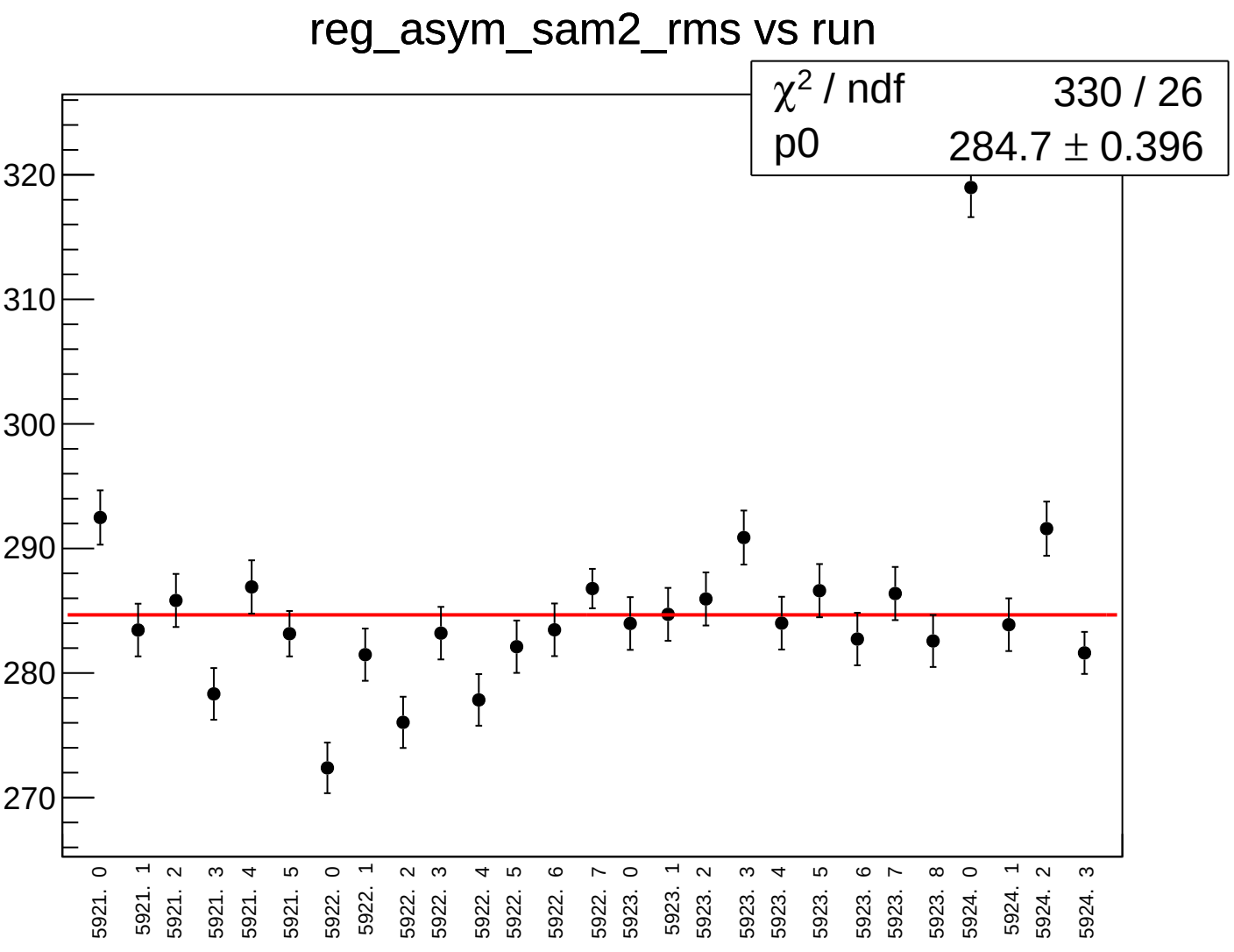

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.943e+04 / 26
p0 10.94 ± 0.01673
30
25
20
15
10
5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

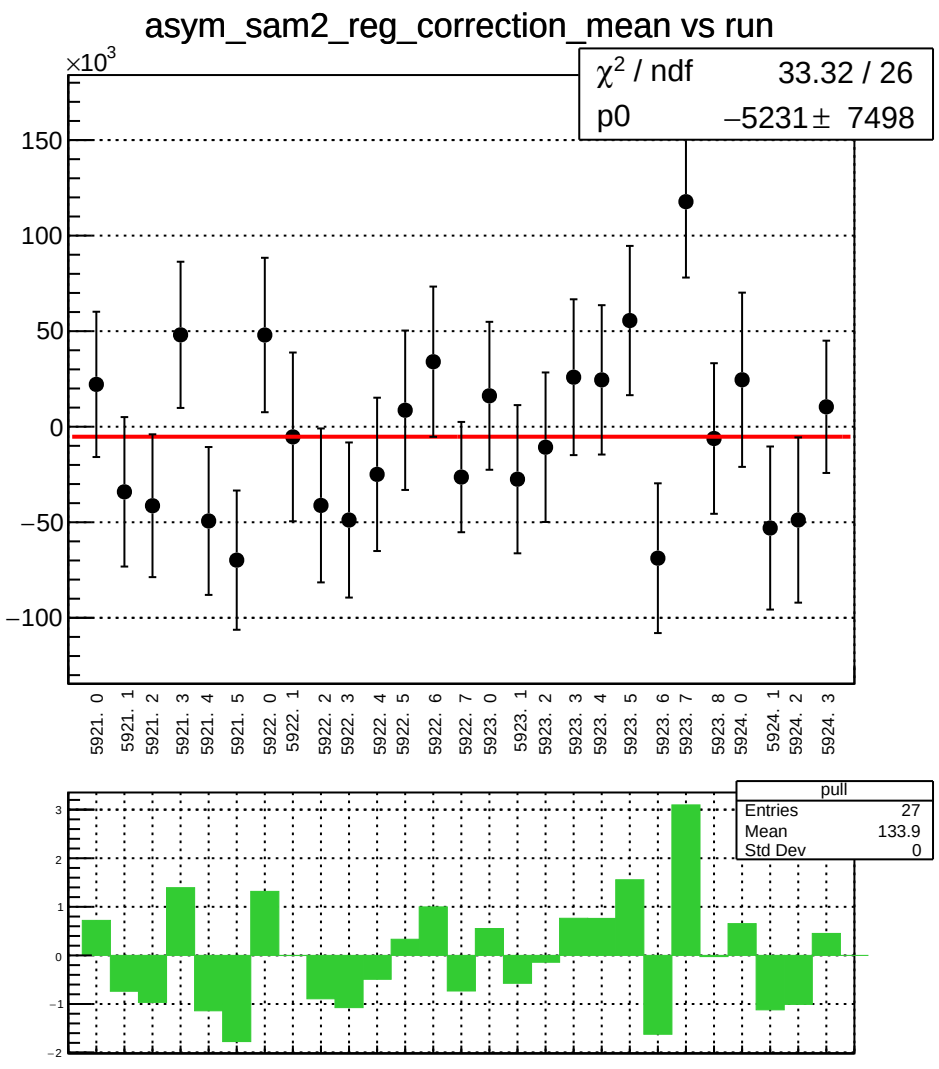

asym_sam1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 32.83 / 26
p0 8.057e−15 ± 5.155e−14
2
1
0
−1
−2
−3
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 27.51
Std Dev 0
pull1D
Entries 27
Mean 0.05405
Std Dev 1.101
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

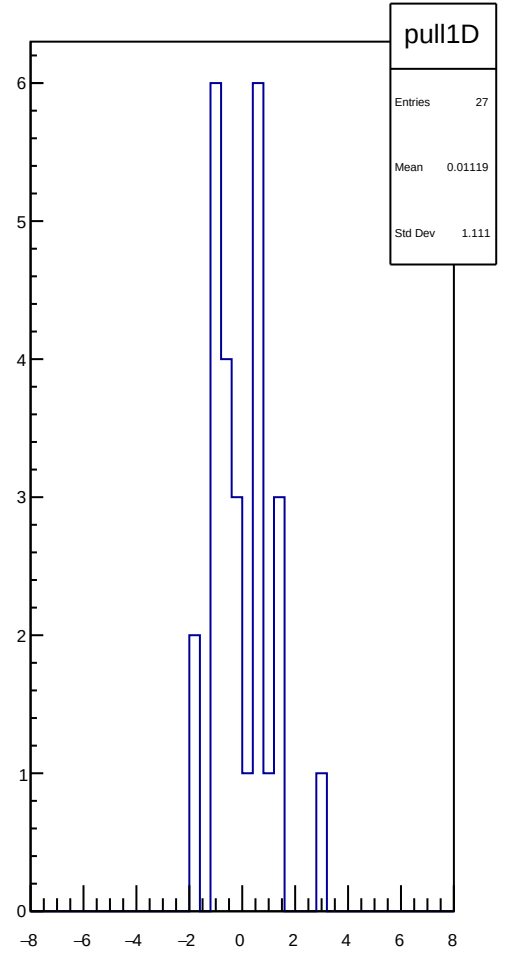

asym_sam1_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.217e+05 / 26
p0 2.292e−11 ± 3.645e−14
0.1
0.08
0.06
0.04
0.02
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

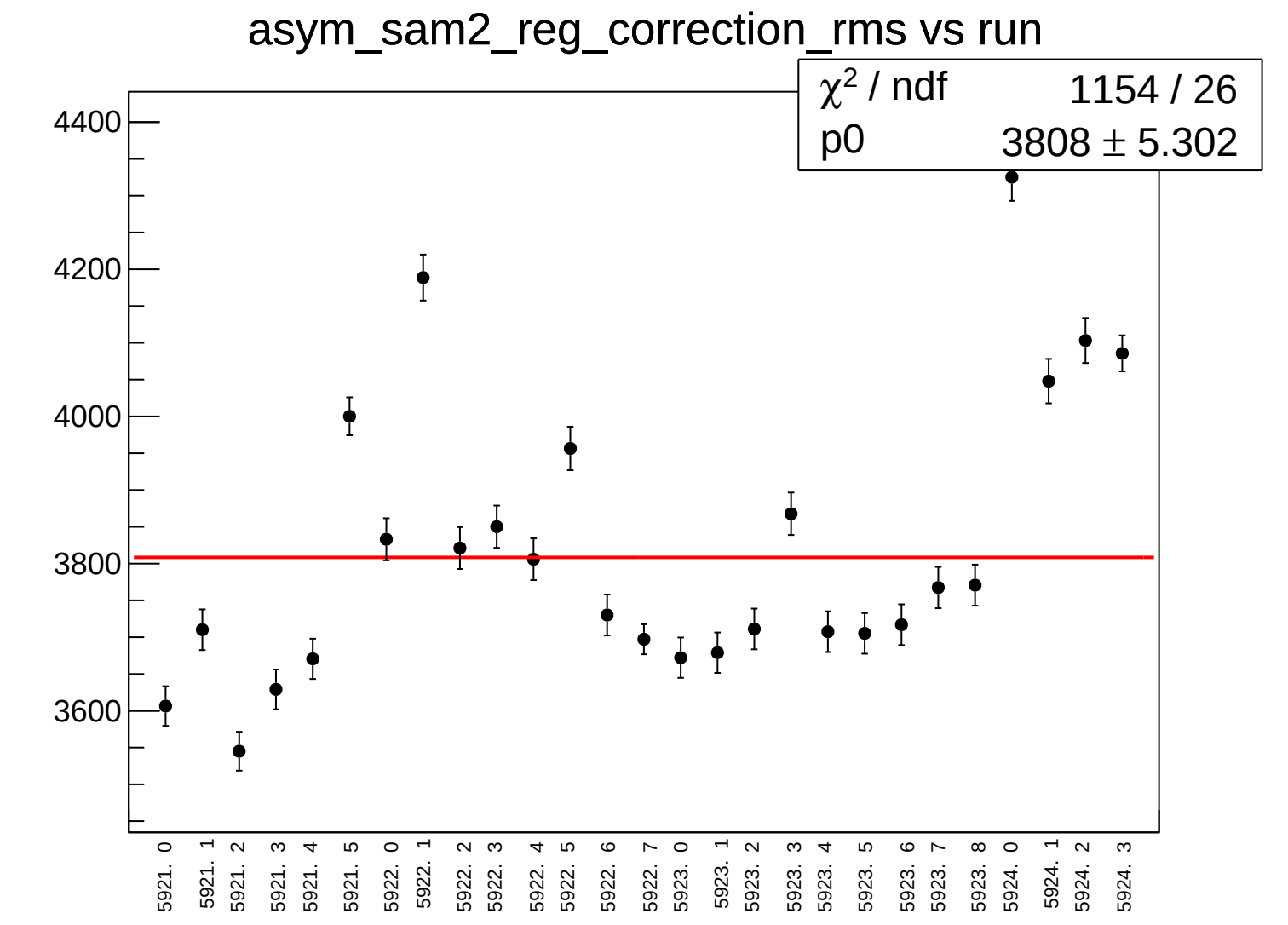

reg_asym_sam2_mean vs run
χ² / ndf 21.08 / 26
p0 278.1 ± 560
10000
5000
0
−5000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 14.63
Std Dev 15.24
1.5
1
0.5
0
−0.5
−1
−1.5
−2

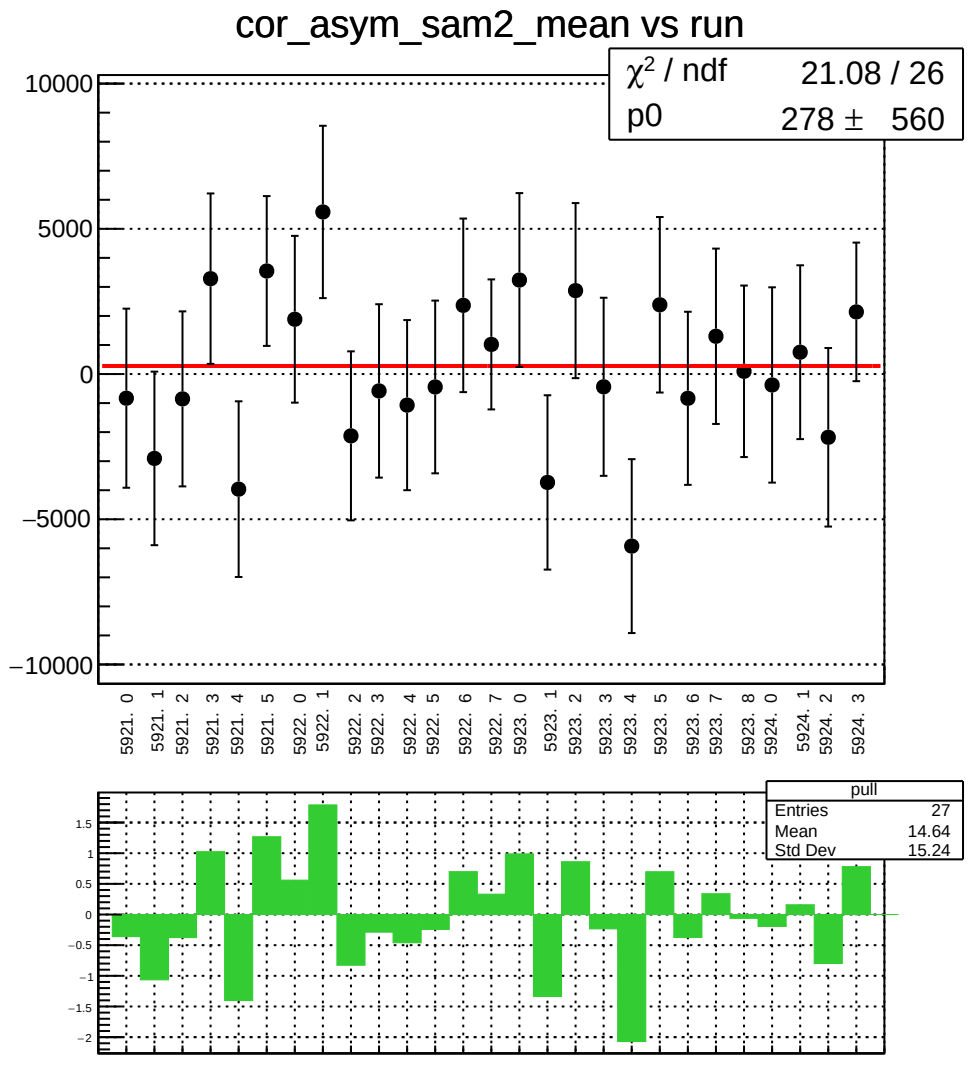

pull1D
Entries 27
Mean −0.02218
Std Dev 0.8833
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

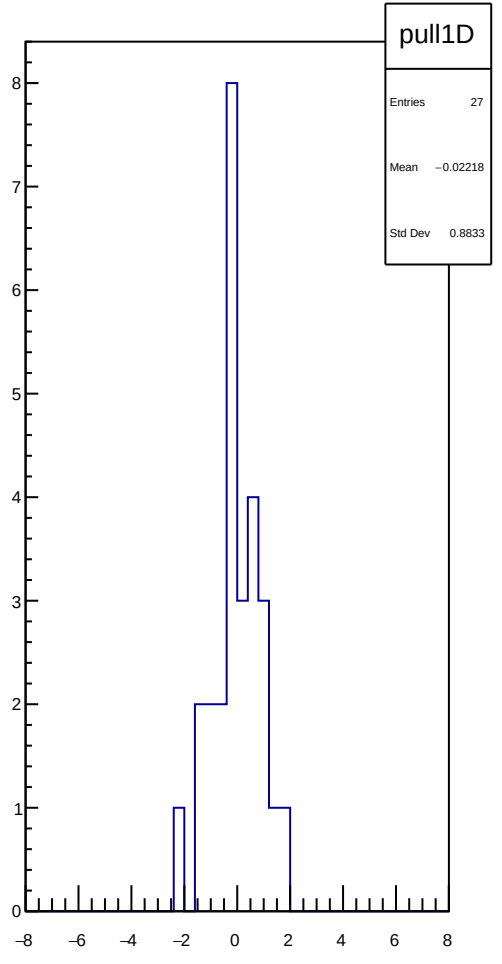

reg_asym_sam2_rms vs run
χ² / ndf 330 / 26
p0 284.7 ± 0.396
320
310
300
290
280
270
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

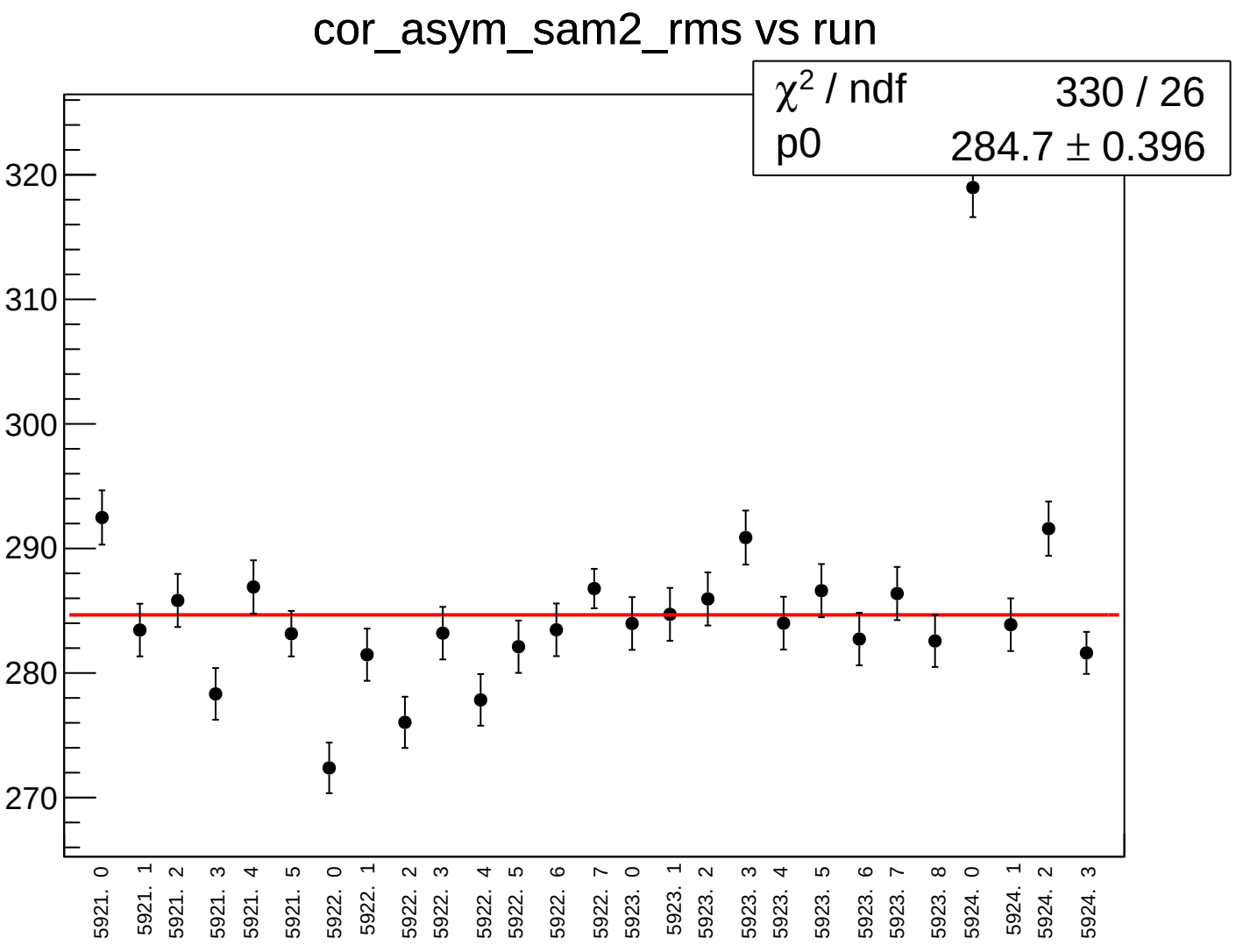

asym_sam2_reg_correction_mean vs run
×10^3
χ^2 / ndf 33.32 / 26
p0 −5231 ± 7498
150
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 133.9
Std Dev 0
3
2
1
0
−1
−2

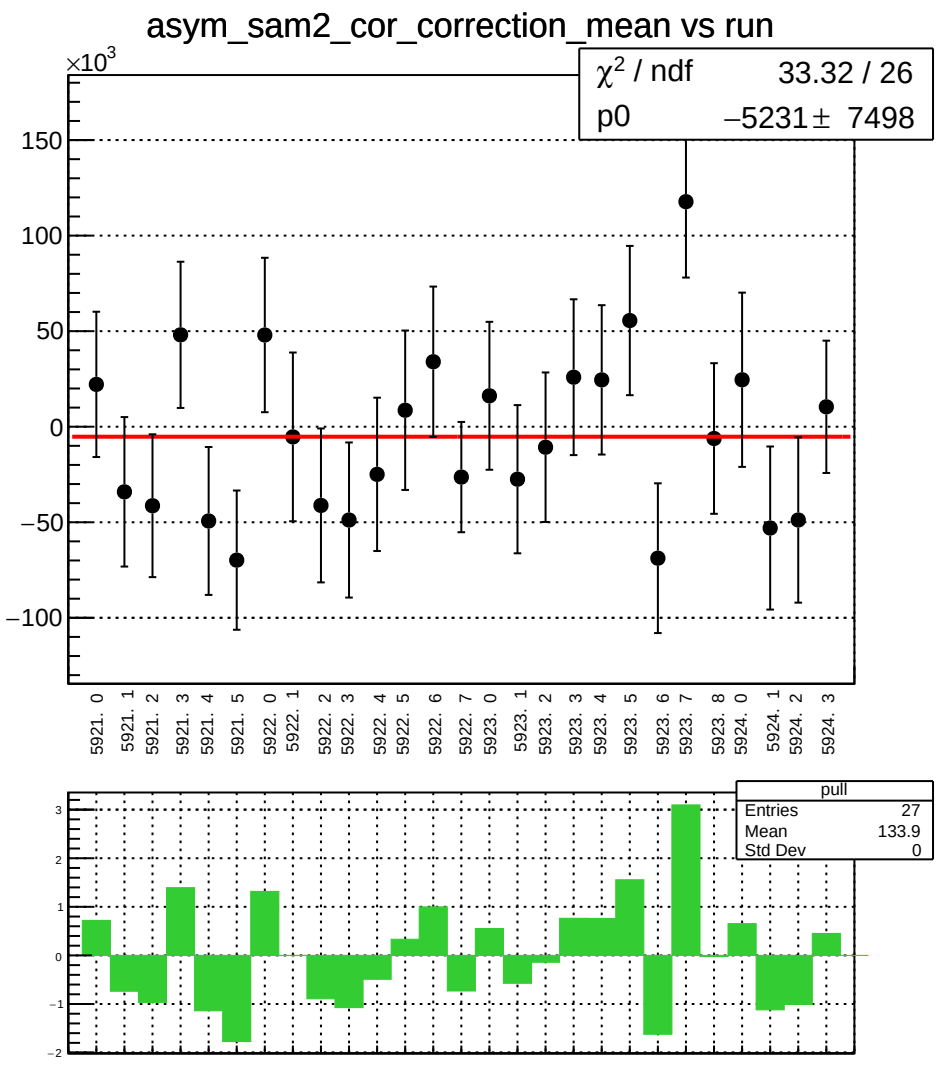

pull1D
Entries 27
Mean 0.01119
Std Dev 1.111
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

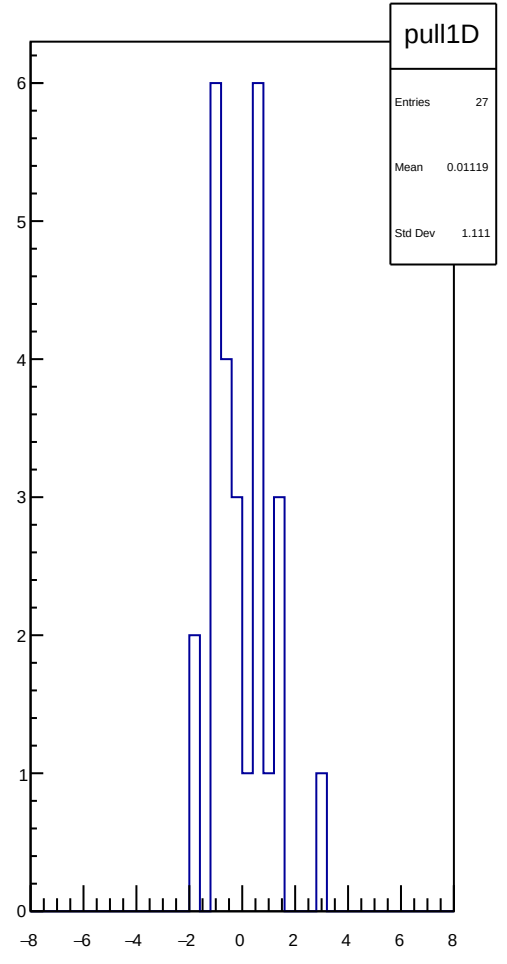

asym_sam2_reg_correction_rms vs run
χ² / ndf 1154 / 26
p0 3808 ± 5.302
4400
4200
4000
3800
3600
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

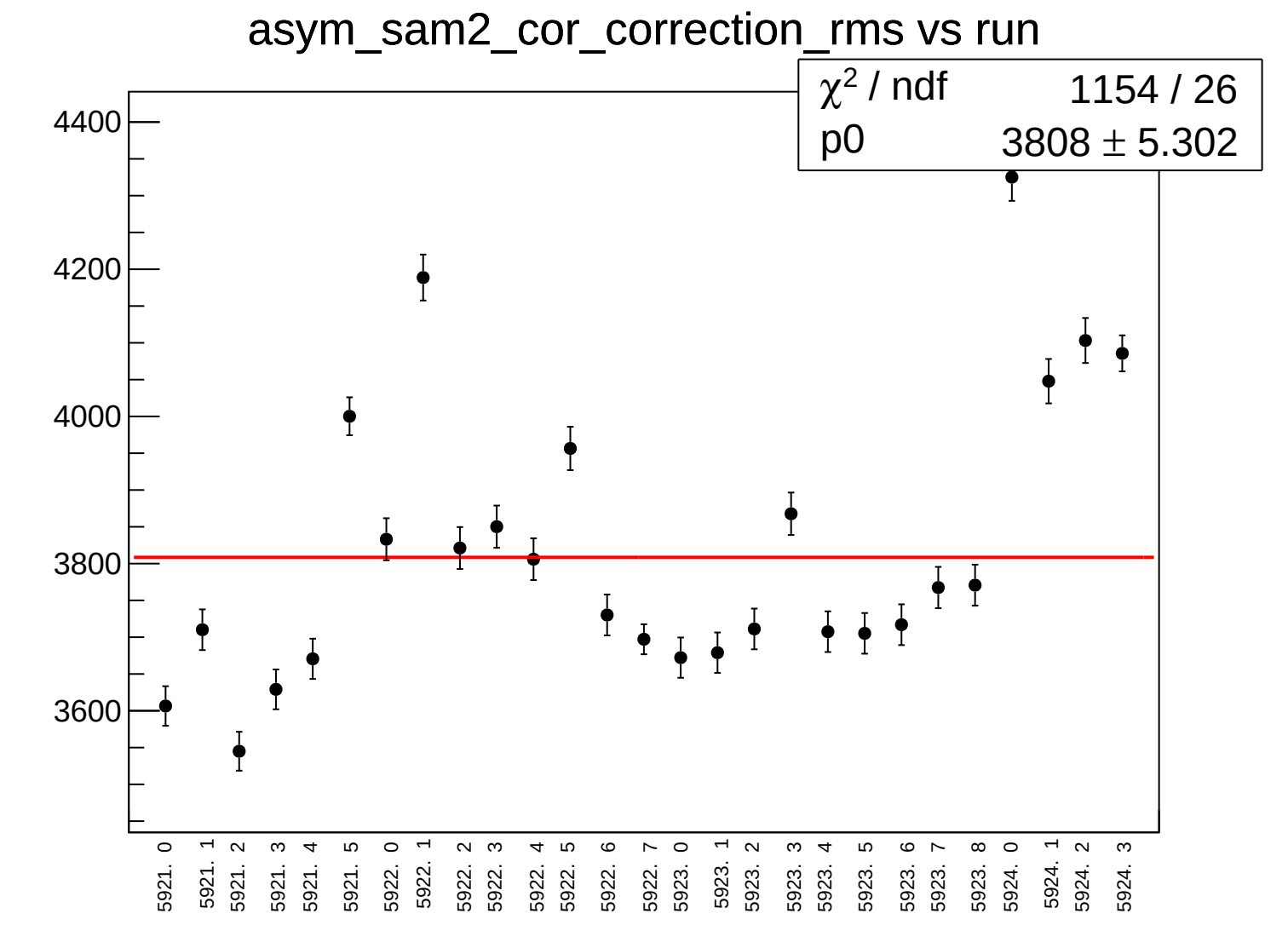

cor_asym_sam2_mean vs run
χ² / ndf 21.08 / 26
p0 278 ± 560
10000
5000
0
−5000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 14.64
Std Dev 15.24
1.5
1
0.5
0
−0.5
−1
−1.5
−2

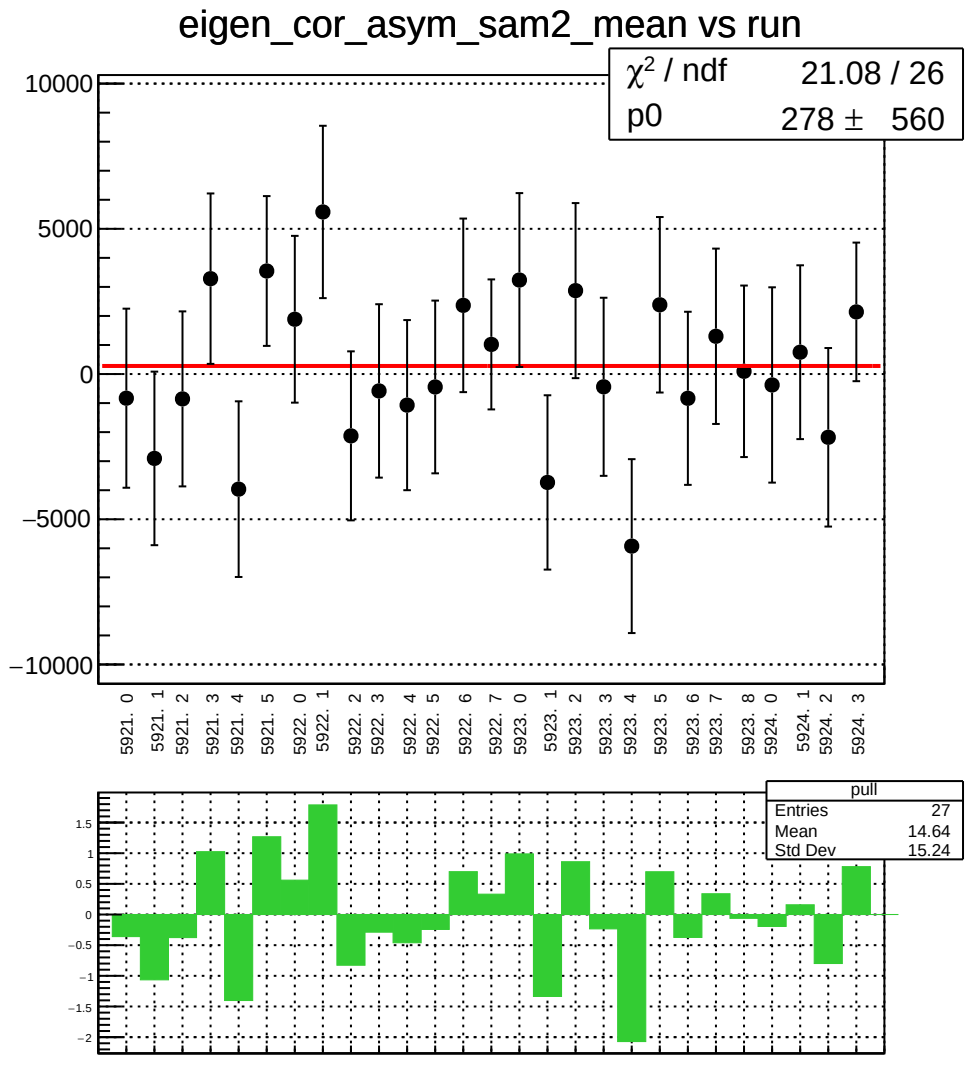

pull1D
Entries 27
Mean −0.02218
Std Dev 0.8833
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

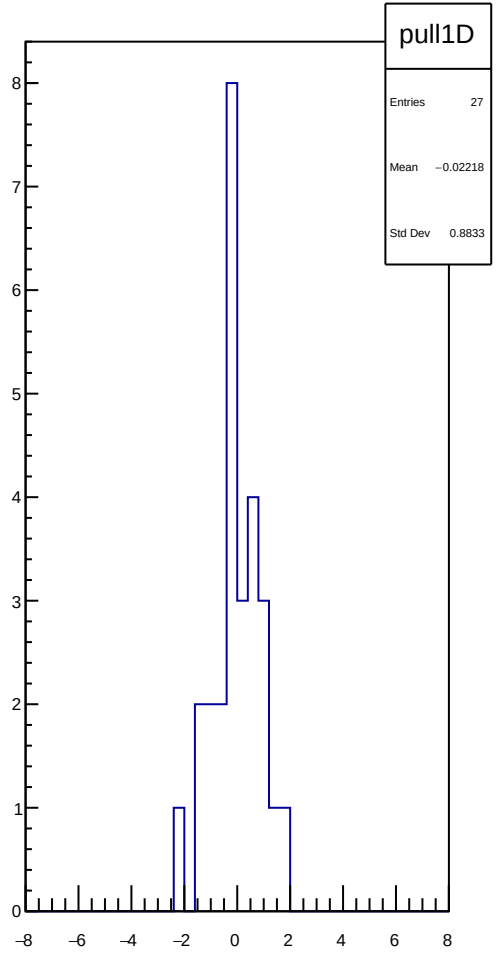

cor_asym_sam2_rms vs run
χ² / ndf 330 / 26
p0 284.7 ± 0.396
320
310
300
290
280
270
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

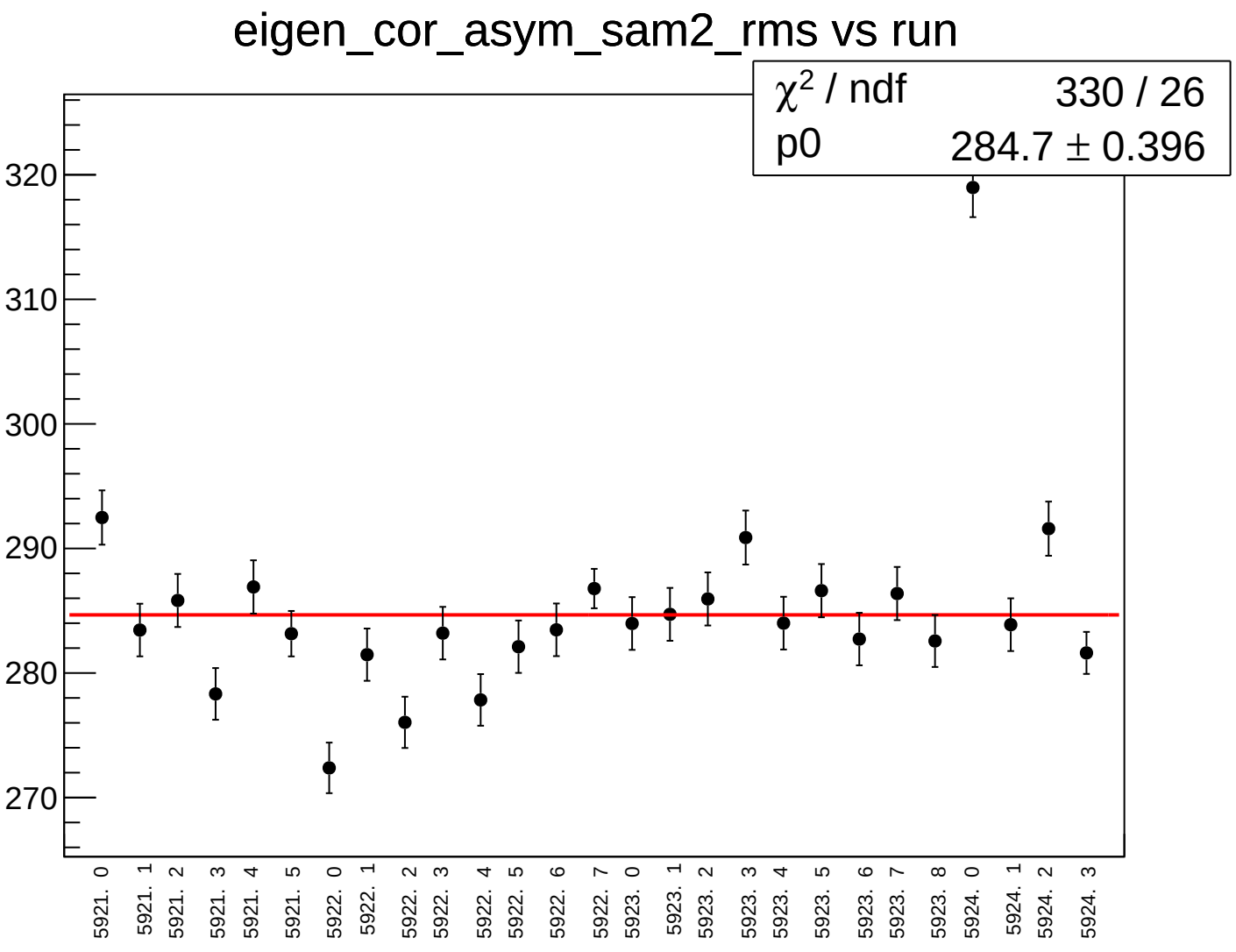

asym_sam2_cor_correction_mean vs run
×10^3
χ^2 / ndf 33.32 / 26
p0 −5231 ± 7498
150
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 133.9
Std Dev 0
3
2
1
0
−1
−2

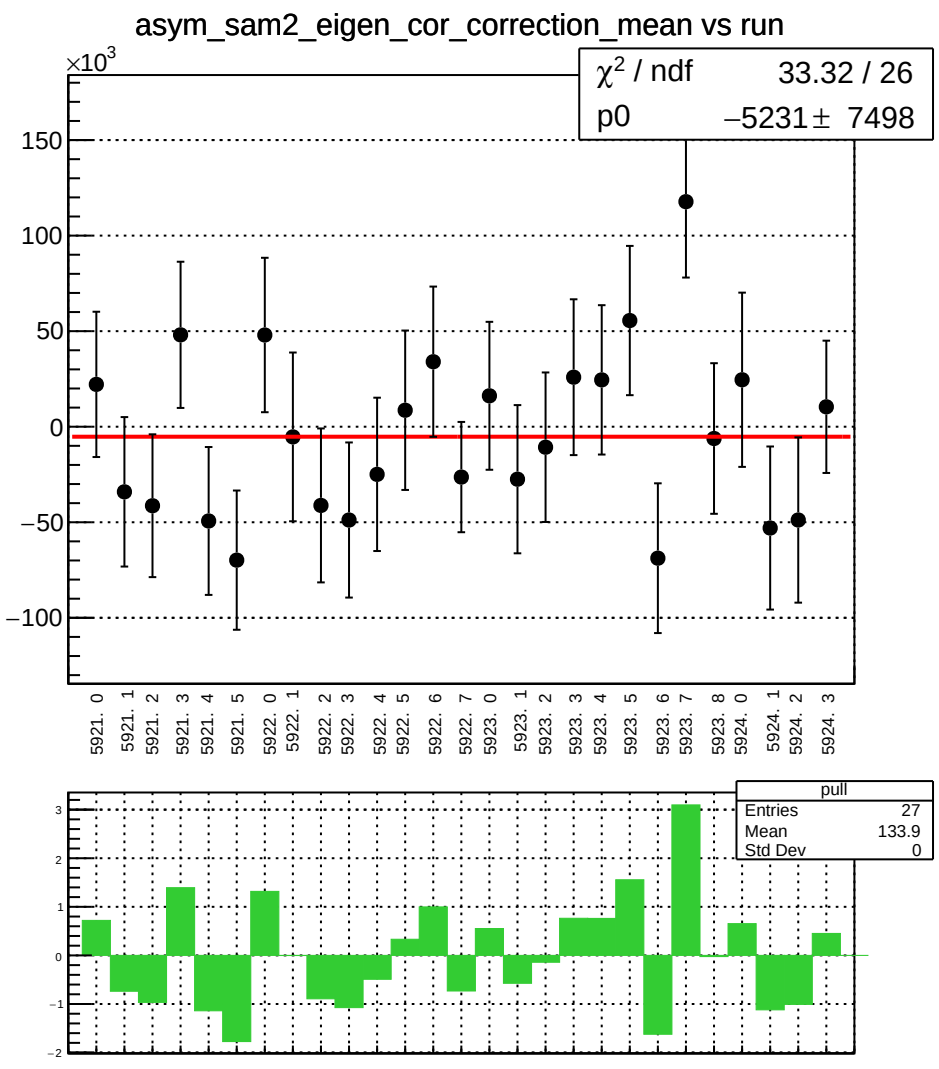

pull1D
Entries 27
Mean 0.01119
Std Dev 1.111
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

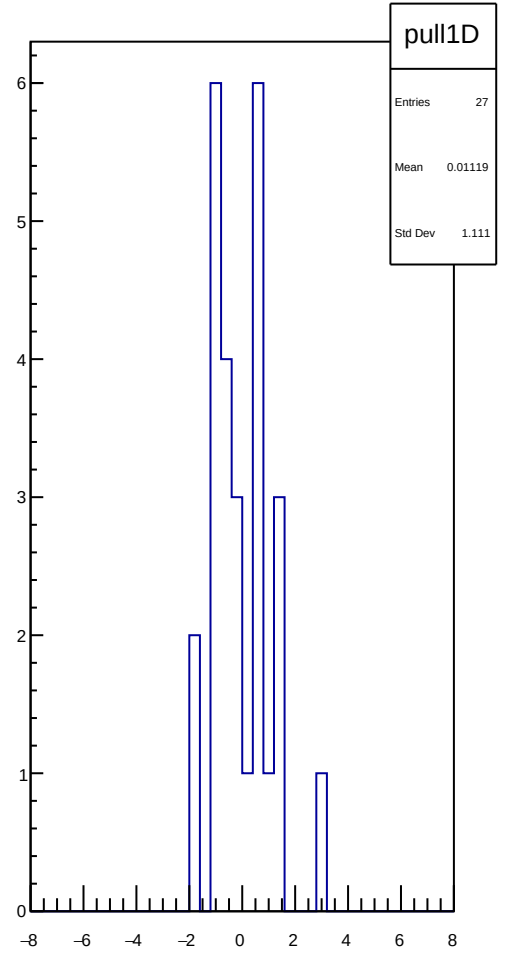

asym_sam2_cor_correction_rms vs run
χ² / ndf 1154 / 26
p0 3808 ± 5.302
4400
4200
4000
3800
3600
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

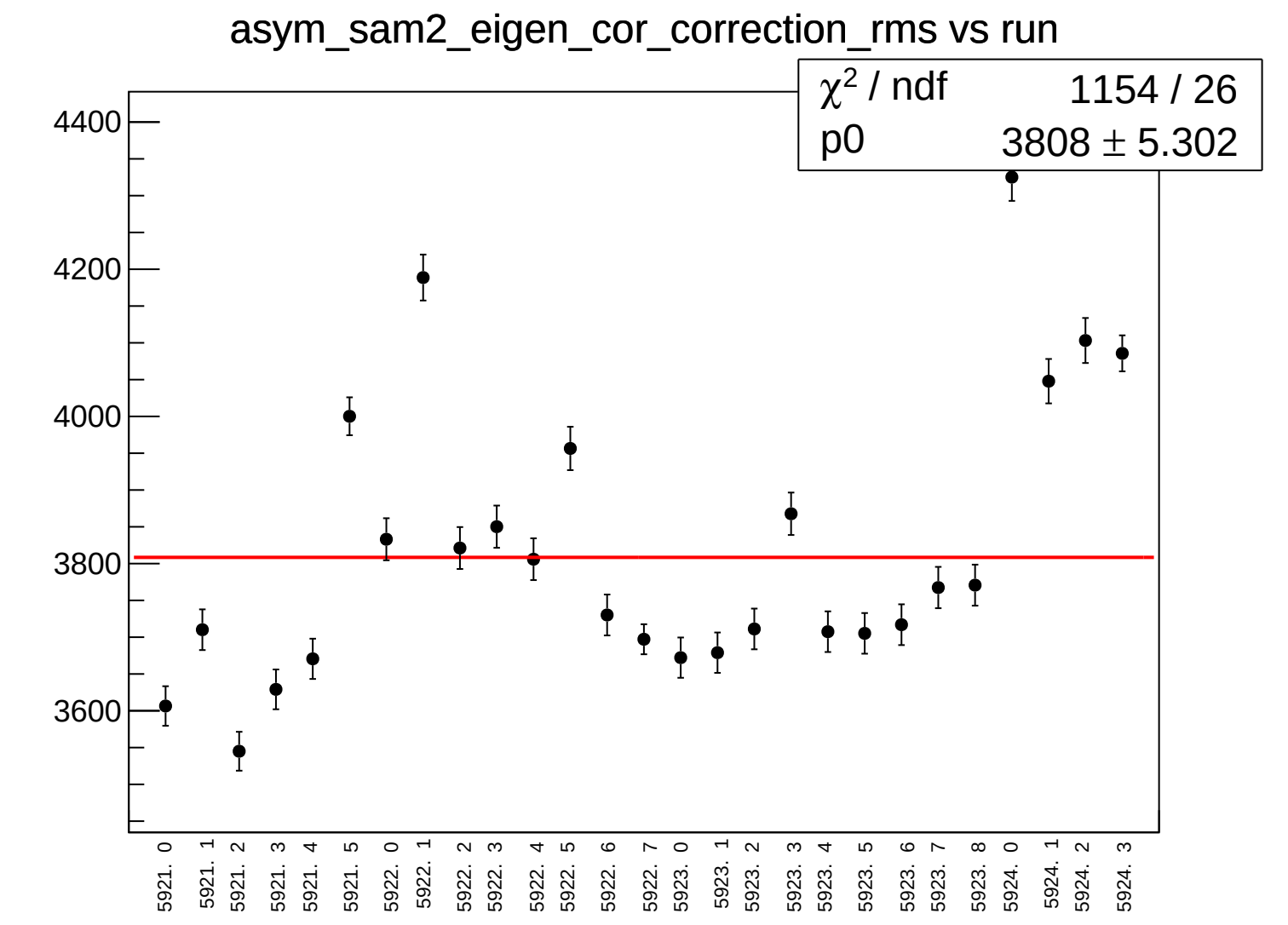

eigen_cor_asym_sam2_mean vs run
χ² / ndf 21.08 / 26
p0 278 ± 560
10000
5000
0
−5000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 14.64
Std Dev 15.24
1.5
1
0.5
0
−0.5
−1
−1.5
−2

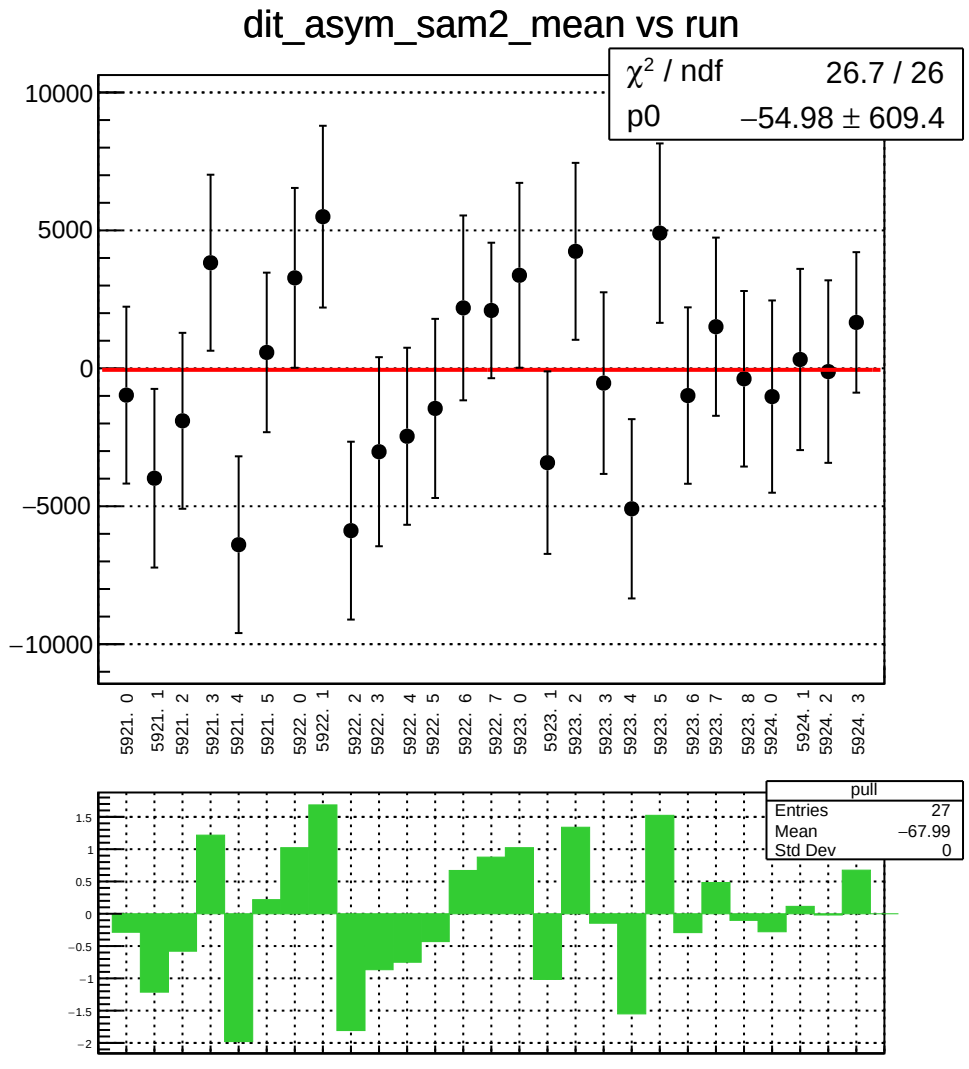

pull1D
Entries 27
Mean −0.02218
Std Dev 0.8833
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

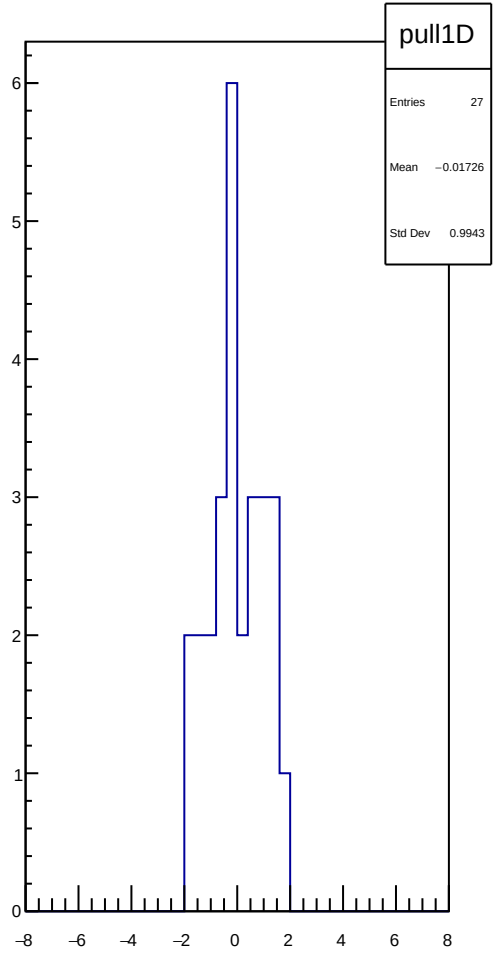

eigen_cor_asym_sam2_rms vs run
χ² / ndf 330 / 26
p0 284.7 ± 0.396
320
310
300
290
280
270
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

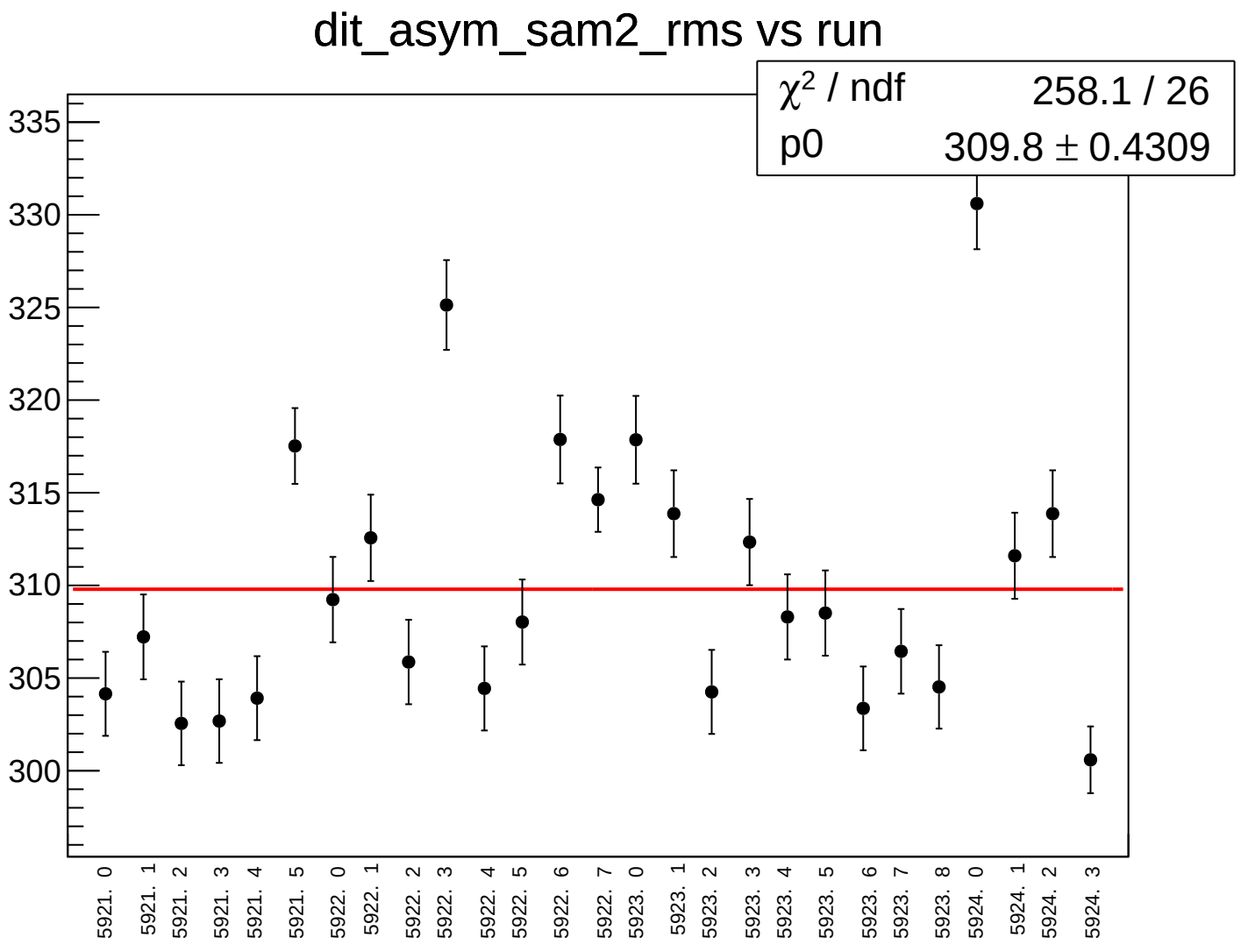

asym_sam2_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 33.32 / 26
p0 −5231 ± 7498
150
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 133.9
Std Dev 0
3
2
1
0
−1
−2

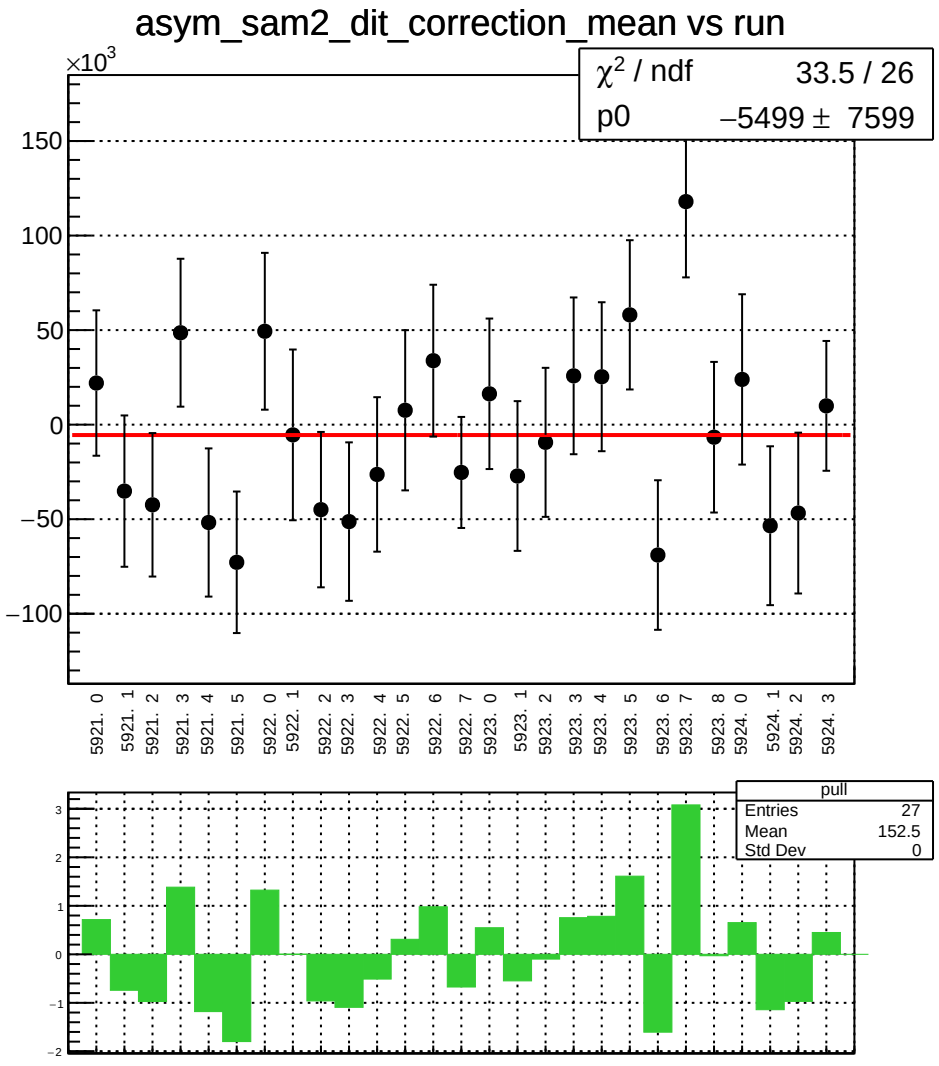

pull1D
Entries 27
Mean 0.01119
Std Dev 1.111
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

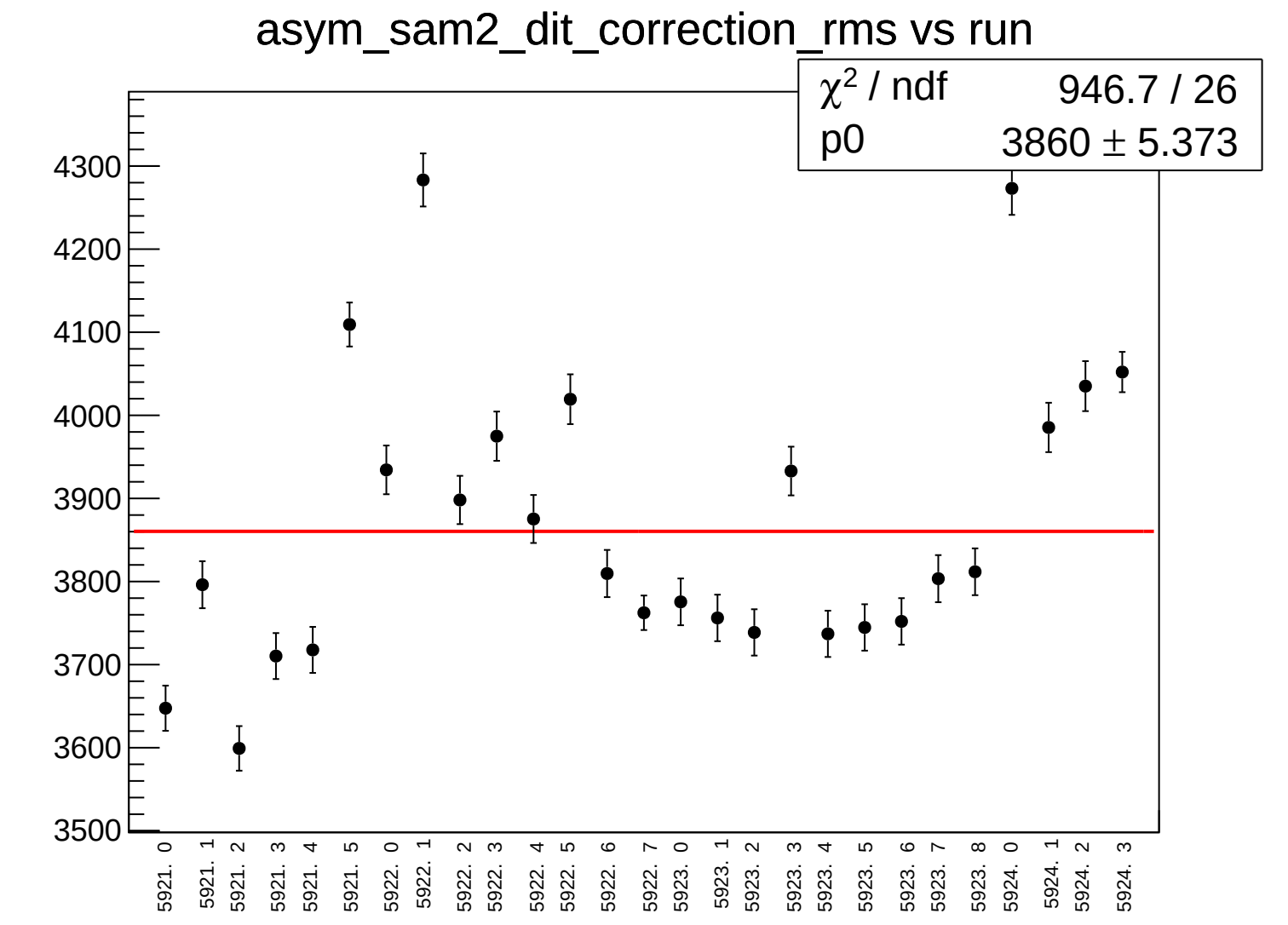

asym_sam2_eigen_cor_correction_rms vs run
χ² / ndf 1154 / 26
p0 3808 ± 5.302
4400
4200
4000
3800
3600
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

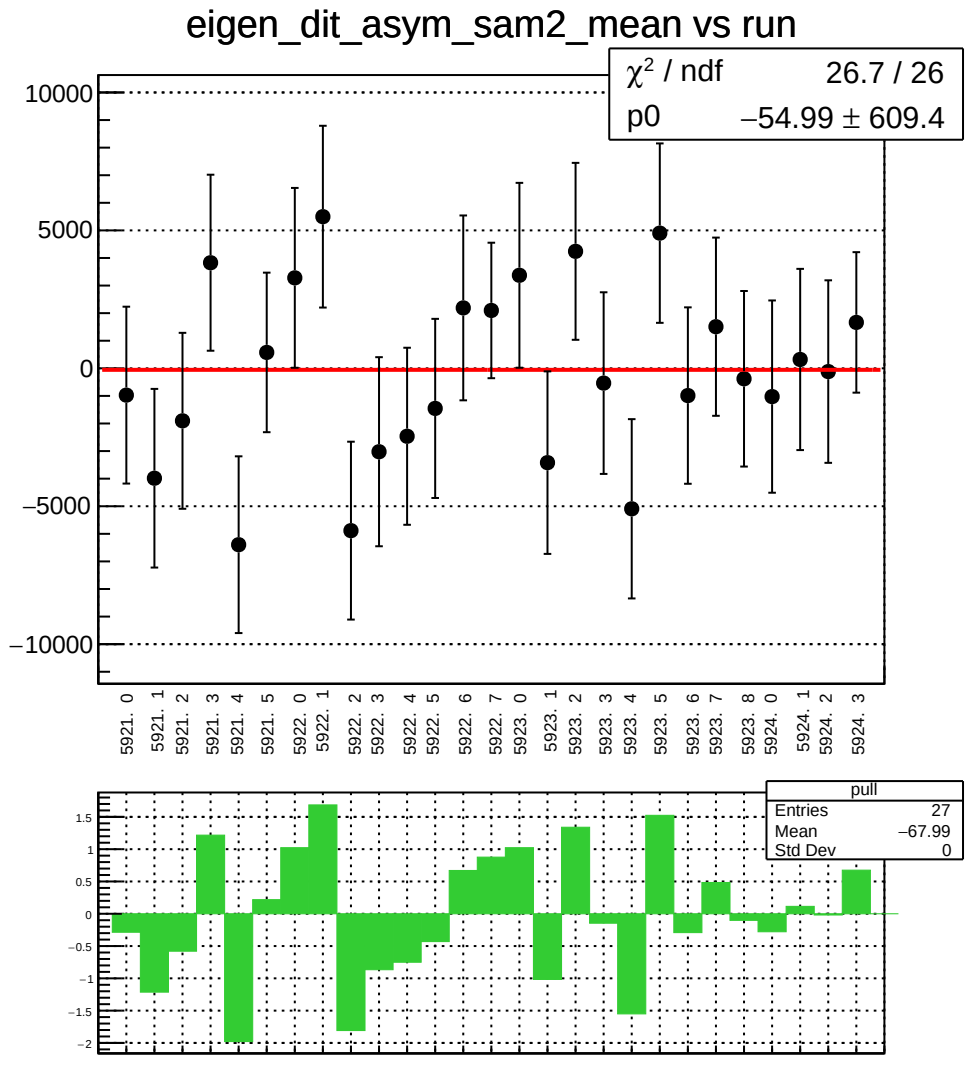

dit_asym_sam2_mean vs run
χ² / ndf 26.7 / 26
p0 −54.98 ± 609.4
10000
5000
0
−5000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −67.99
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

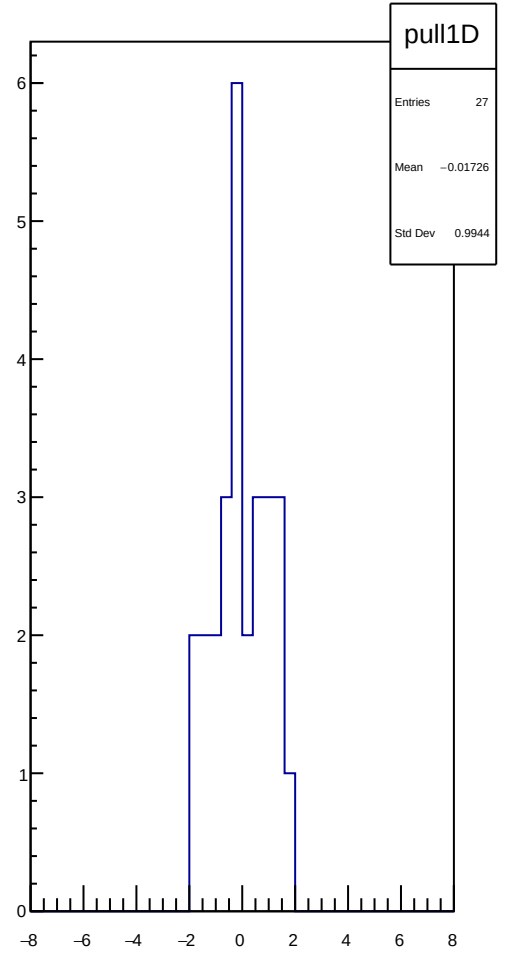

pull1D
Entries 27
Mean −0.01726
Std Dev 0.9943
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

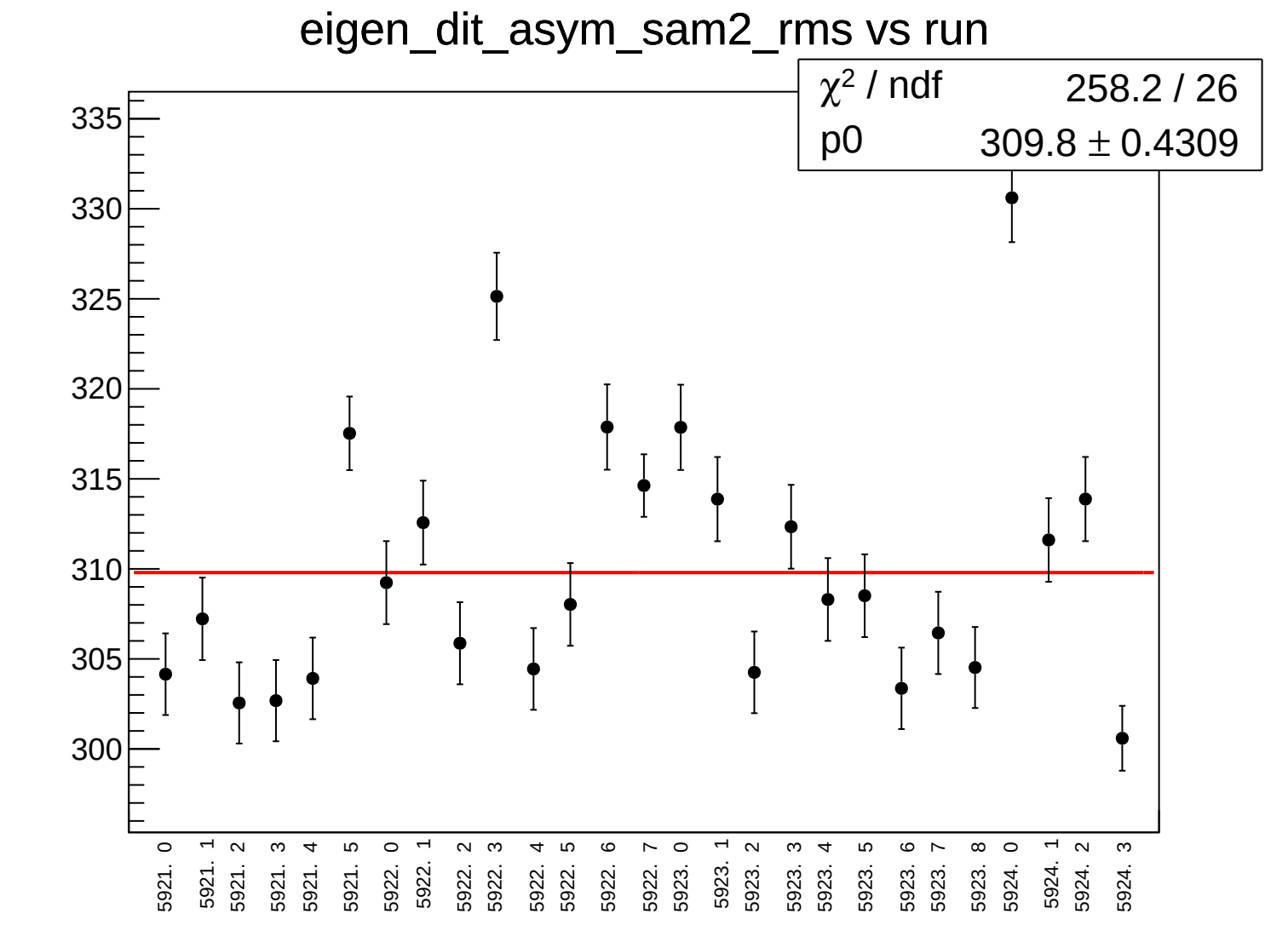

dit_asym_sam2_rms vs run
χ² / ndf 258.1 / 26
p0 309.8 ± 0.4309
335
330
325
320
315
310
305
300
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

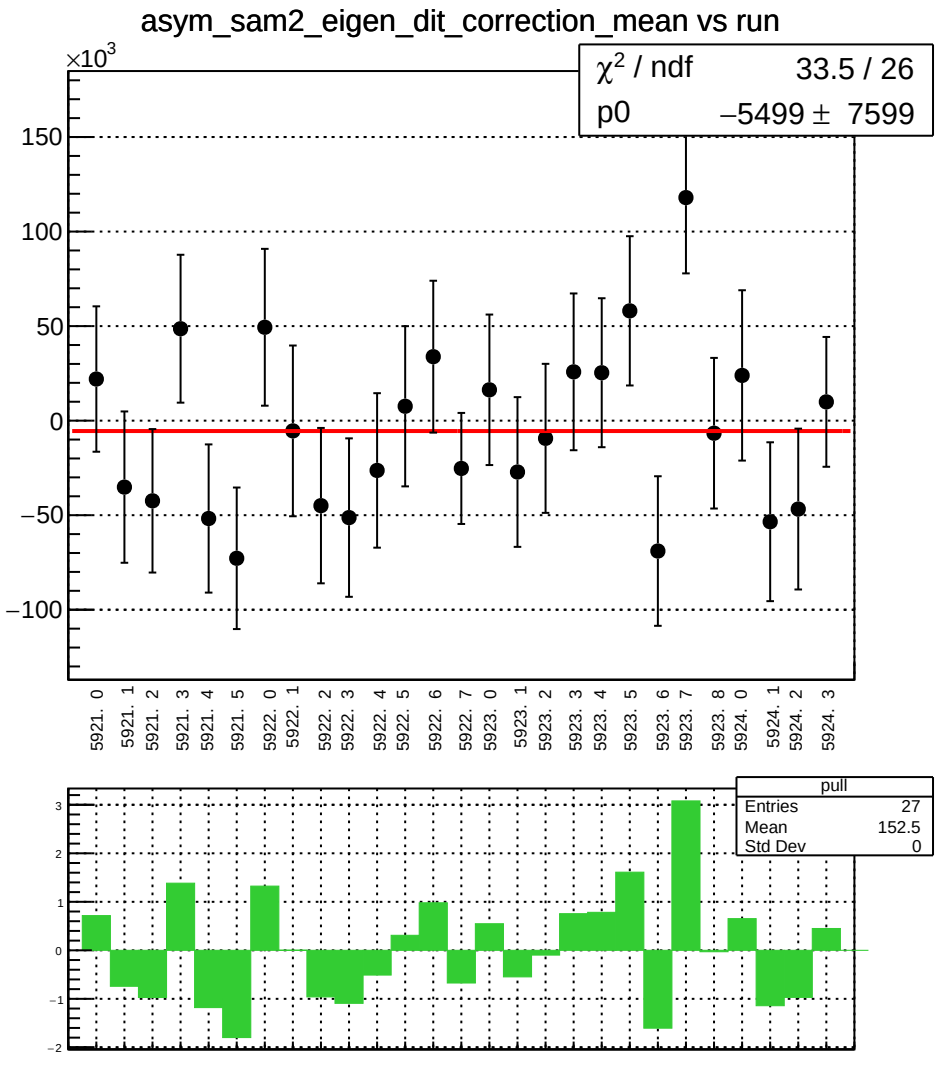

asym_sam2_dit_correction_mean vs run
×10^3
χ² / ndf 33.5 / 26
p0 −5499 ± 7599
150
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 152.5
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.01022
Std Dev 1.114
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

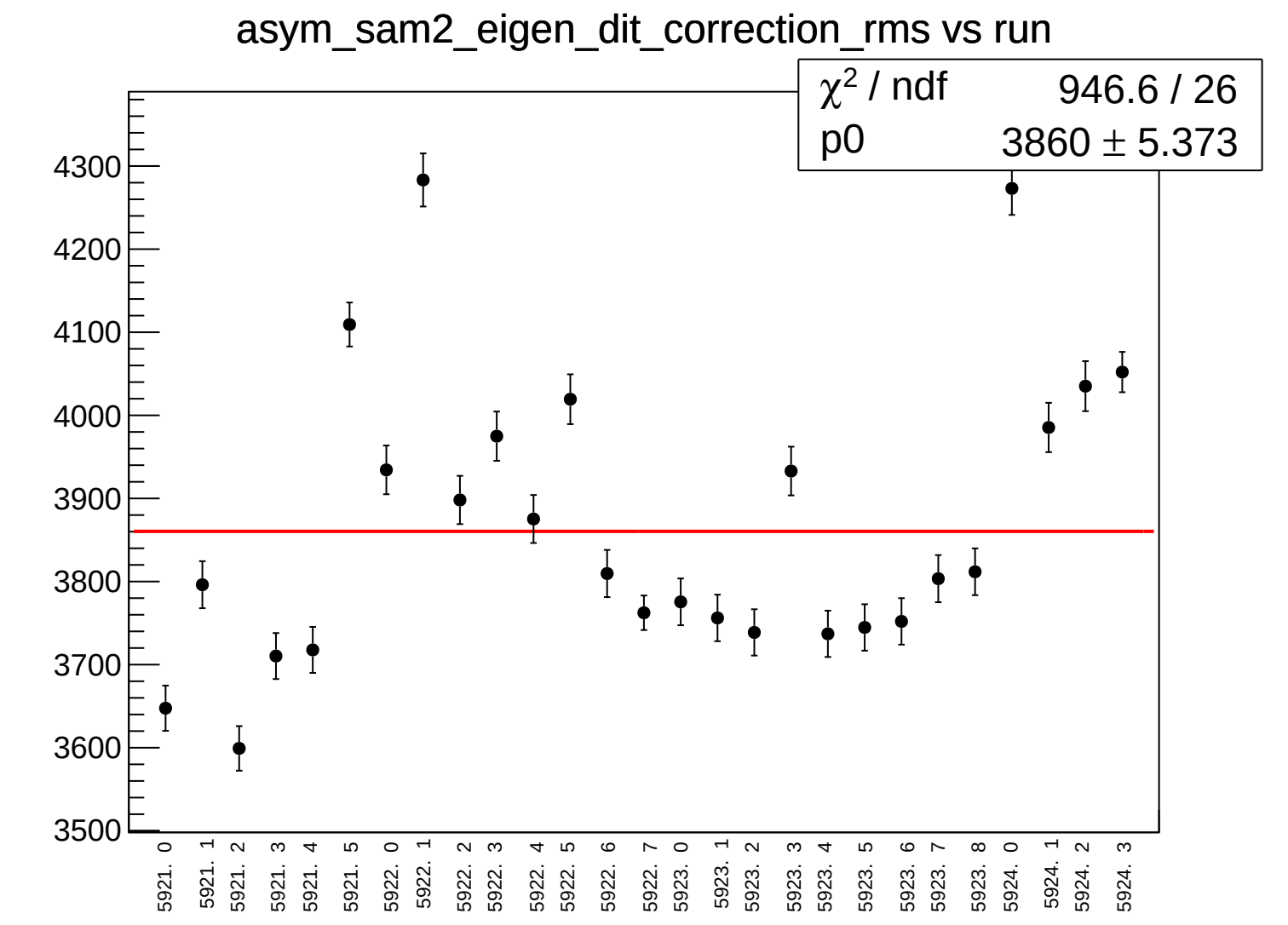

asym_sam2_dit_correction_rms vs run
χ² / ndf 946.7 / 26
p0 3860 ± 5.373
4300
4200
4100
4000
3900
3800
3700
3600
3500
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

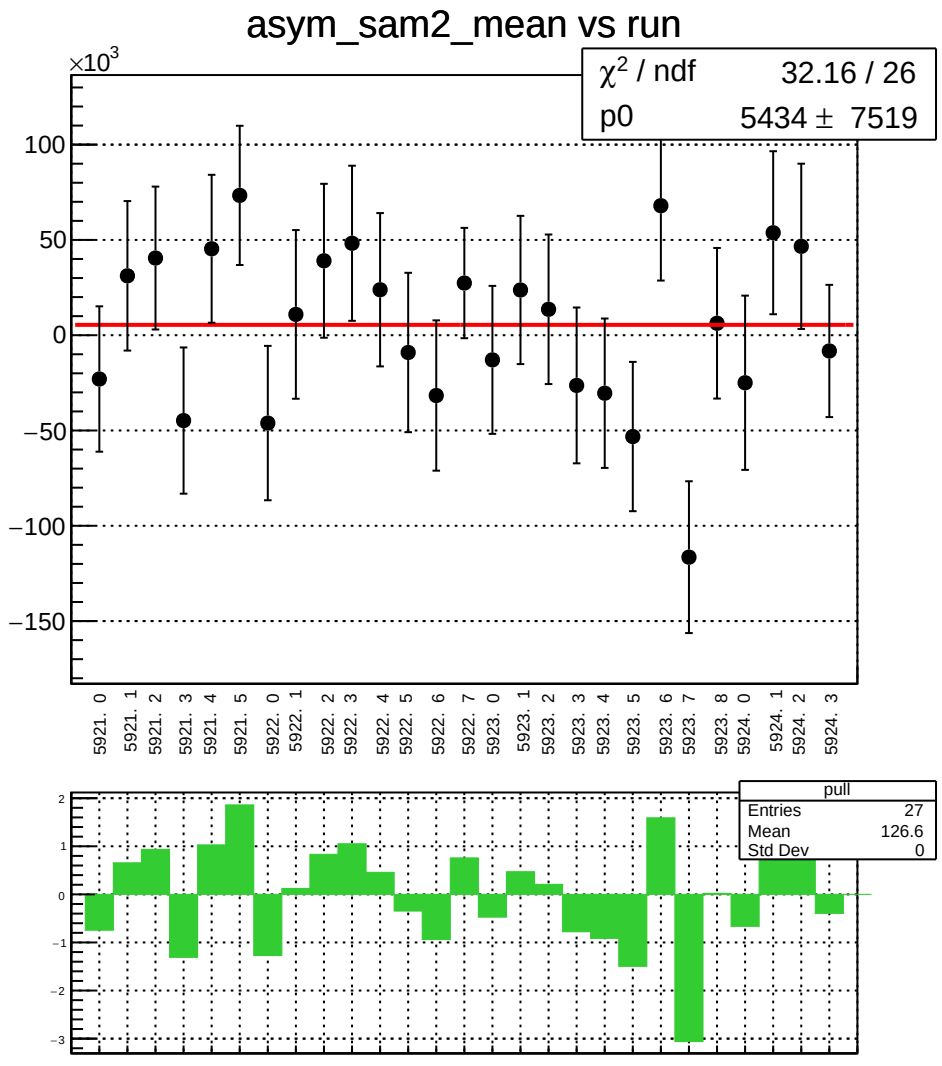

eigen_dit_asym_sam2_mean vs run
χ² / ndf 26.7 / 26
p0 −54.99 ± 609.4
10000
5000
0
−5000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −67.99
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

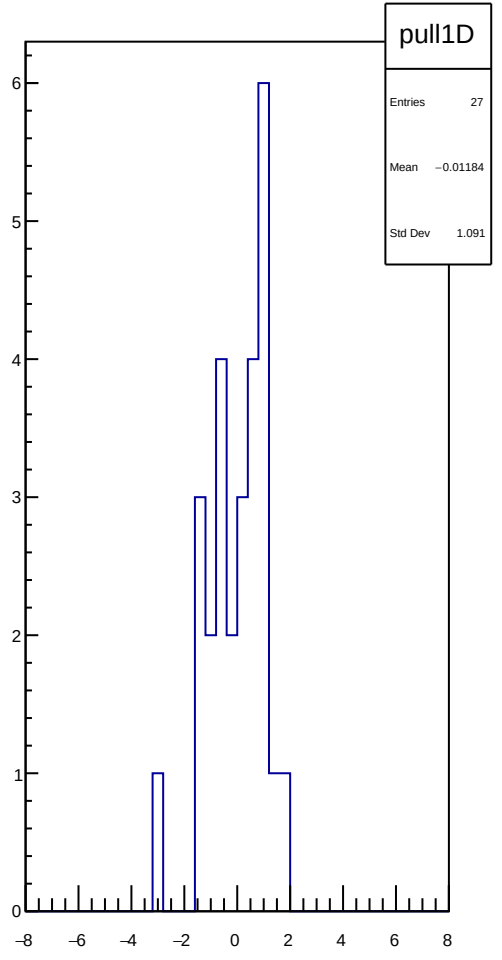

pull1D
Entries 27
Mean −0.01726
Std Dev 0.9944
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

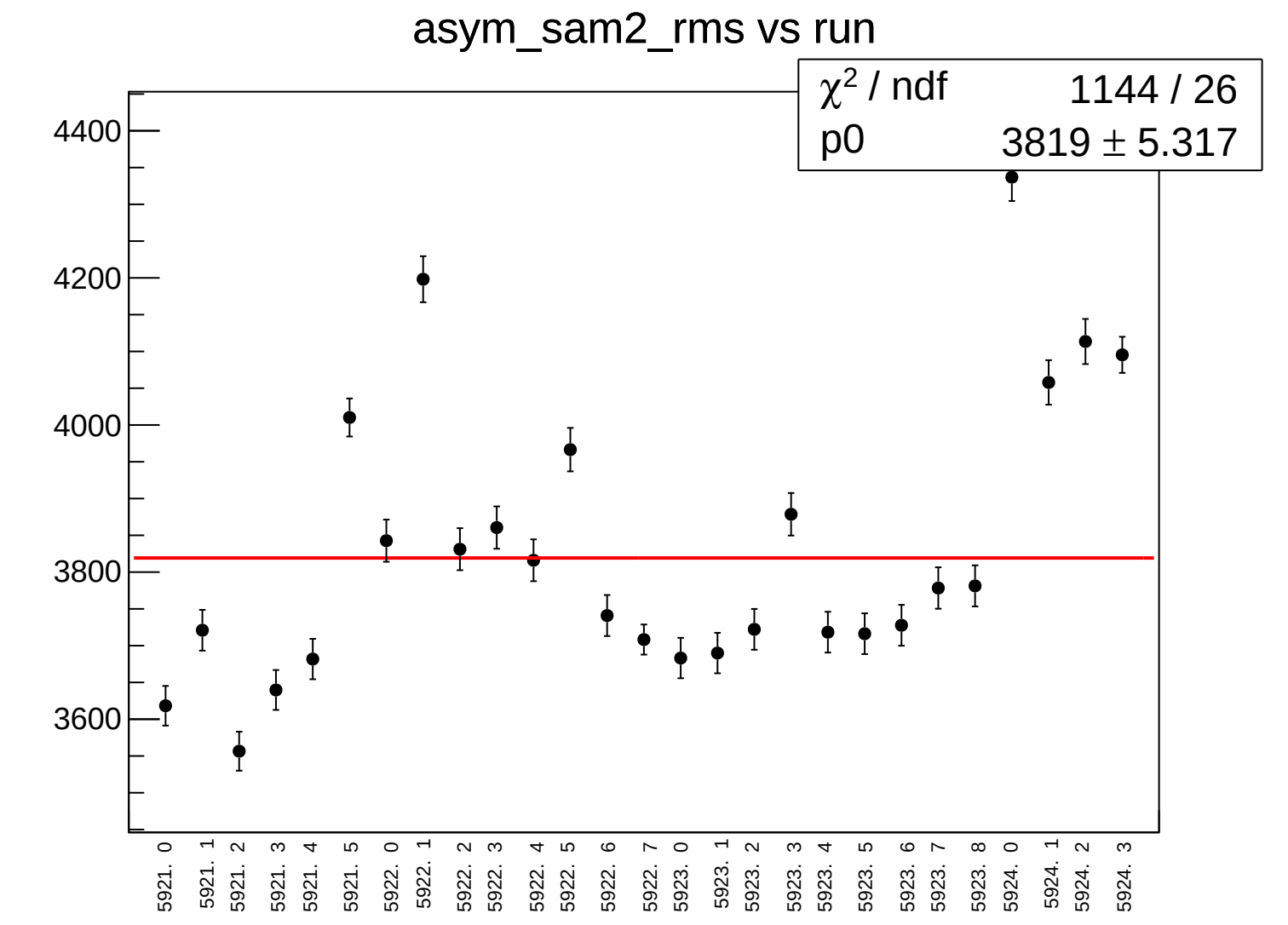

eigen_dit_asym_sam2_rms vs run
χ² / ndf 258.2 / 26
p0 309.8 ± 0.4309
335
330
325
320
315
310
305
300
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

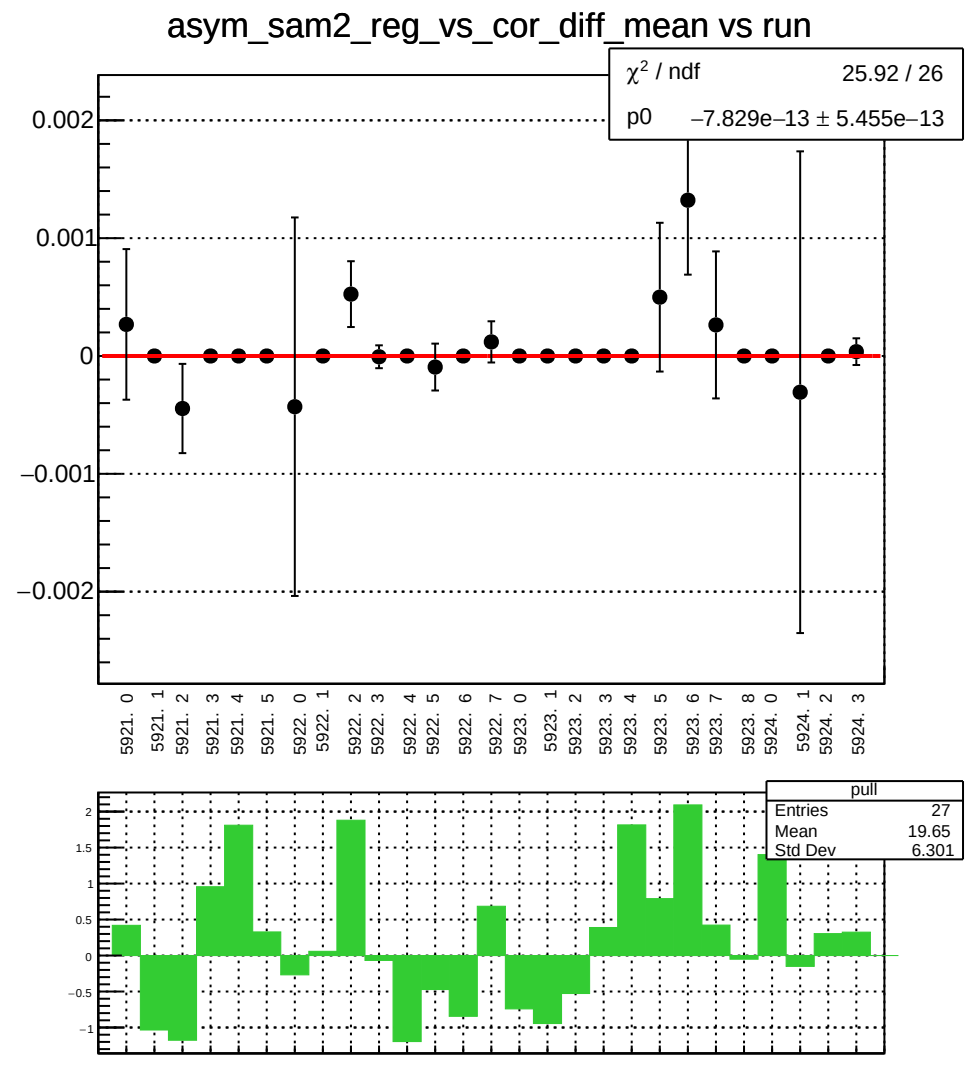

asym_sam2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 33.5 / 26
p0 −5499 ± 7599
150
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 152.5
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.01022
Std Dev 1.114
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

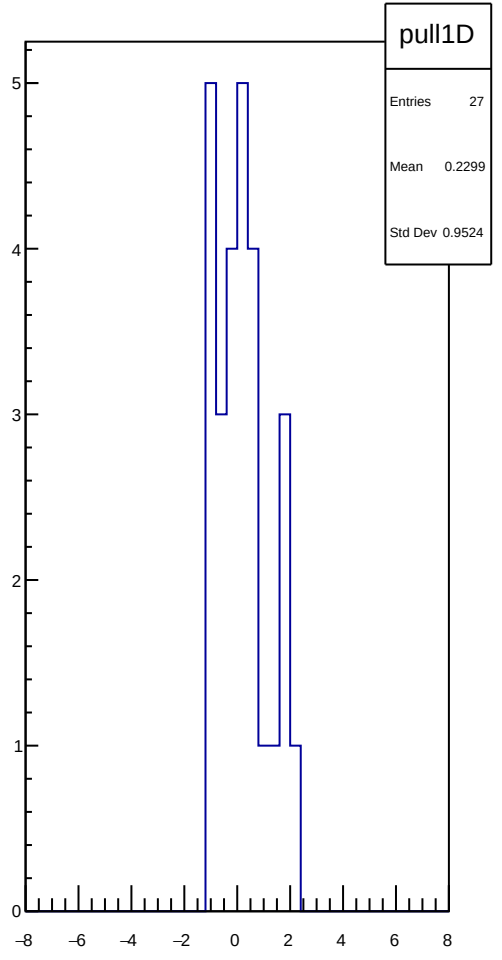

asym_sam2_eigen_dit_correction_rms vs run
χ² / ndf 946.6 / 26
p0 3860 ± 5.373
4300
4200
4100
4000
3900
3800
3700
3600
3500
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

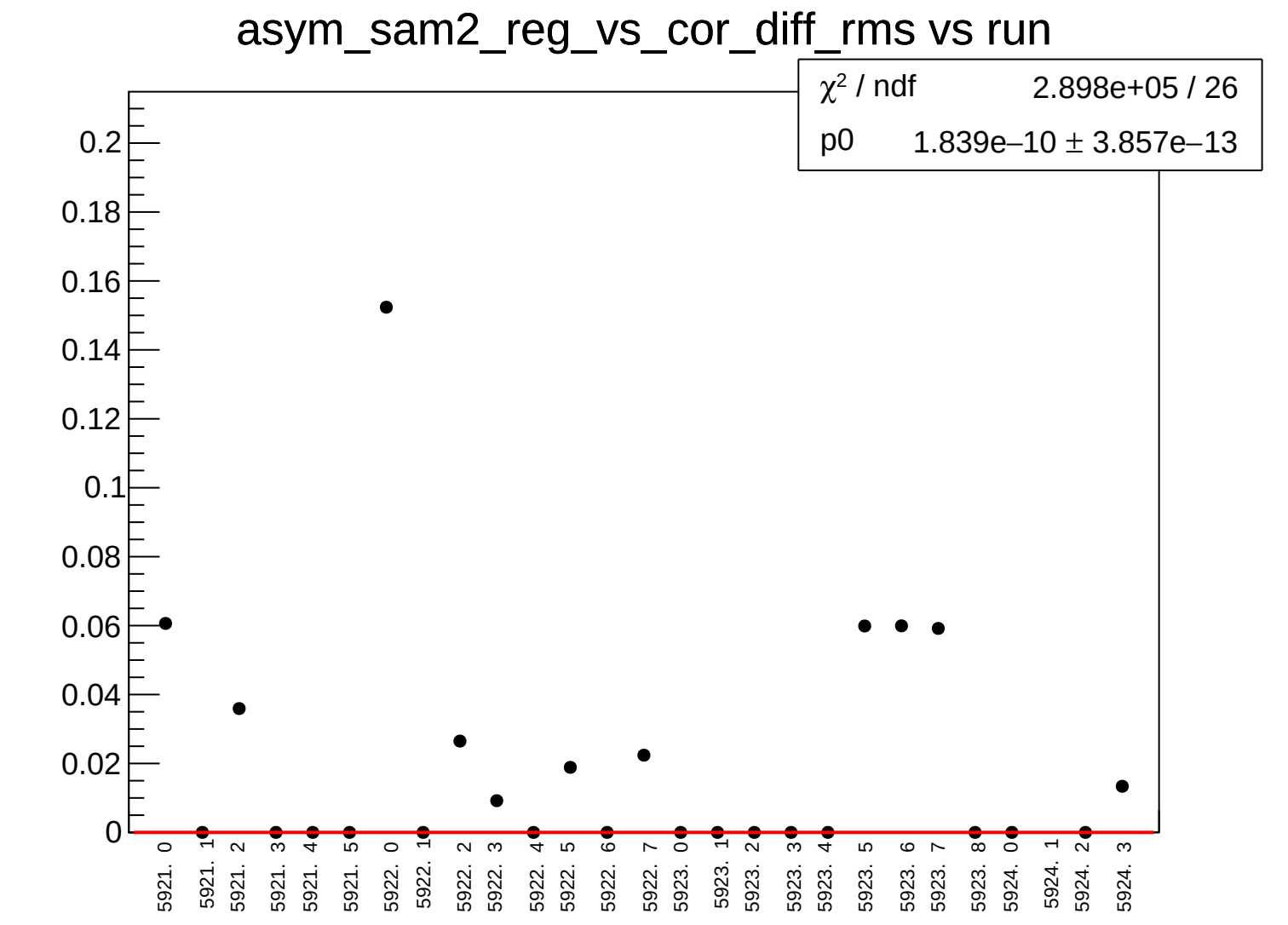

asym_sam2_mean vs run
×10^3
χ^2 / ndf 32.16 / 26
p0 5434 ± 7519
100
50
0
−50
−100
−150
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 126.6
Std Dev 0
2
1
0
−1
−2
−3

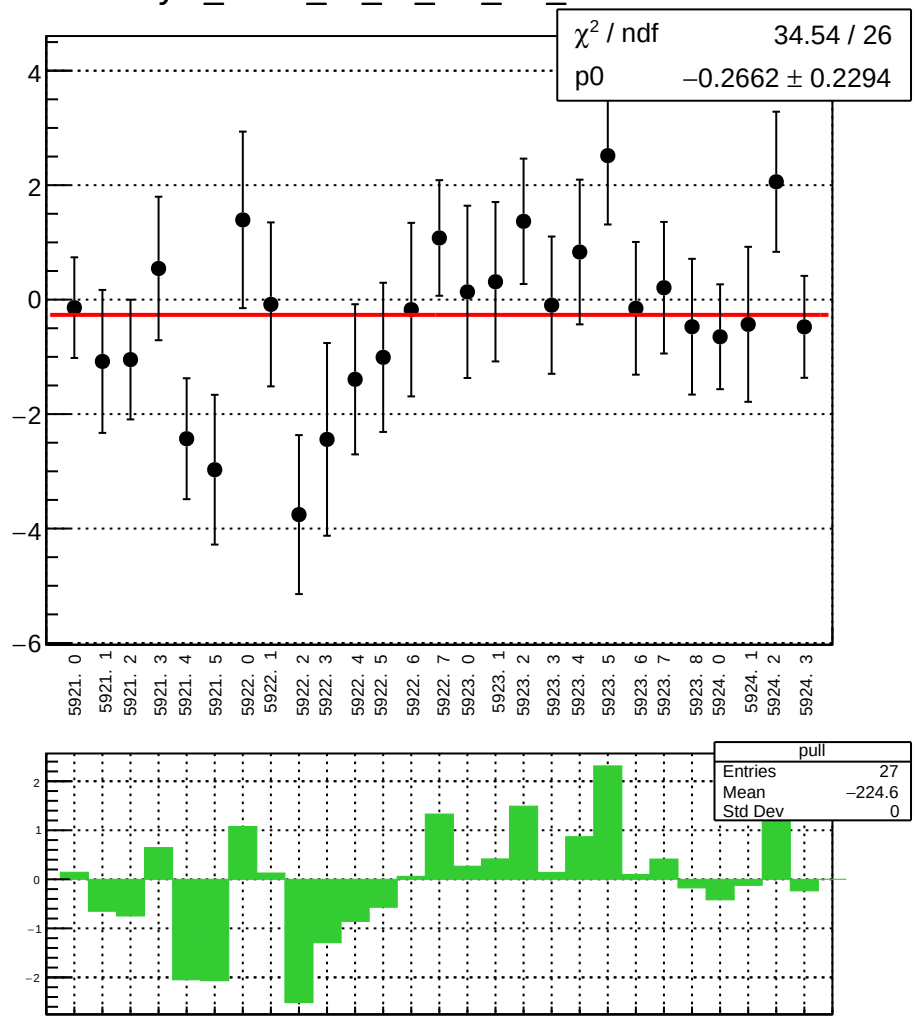

pull1D
Entries 27
Mean −0.01184
Std Dev 1.091
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

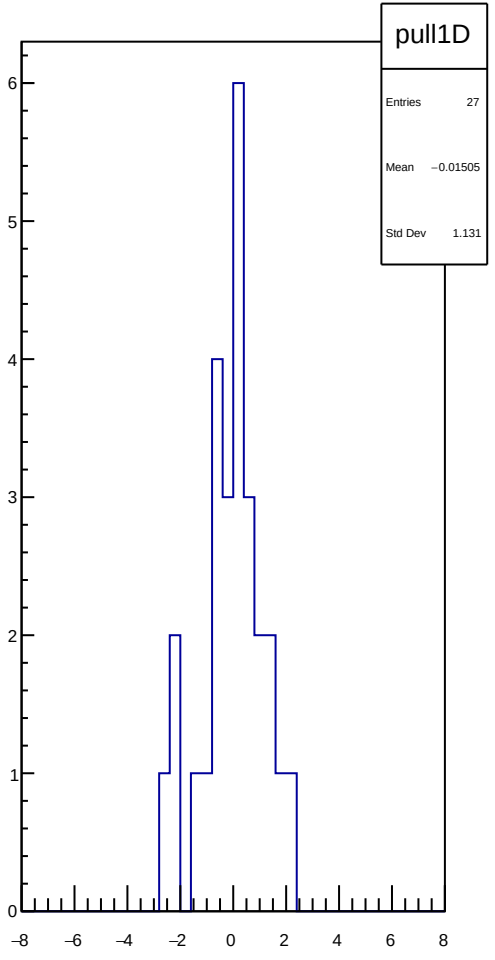

asym_sam2_rms vs run
χ² / ndf 1144 / 26
p0 3819 ± 5.317
4400
4200
4000
3800
3600
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

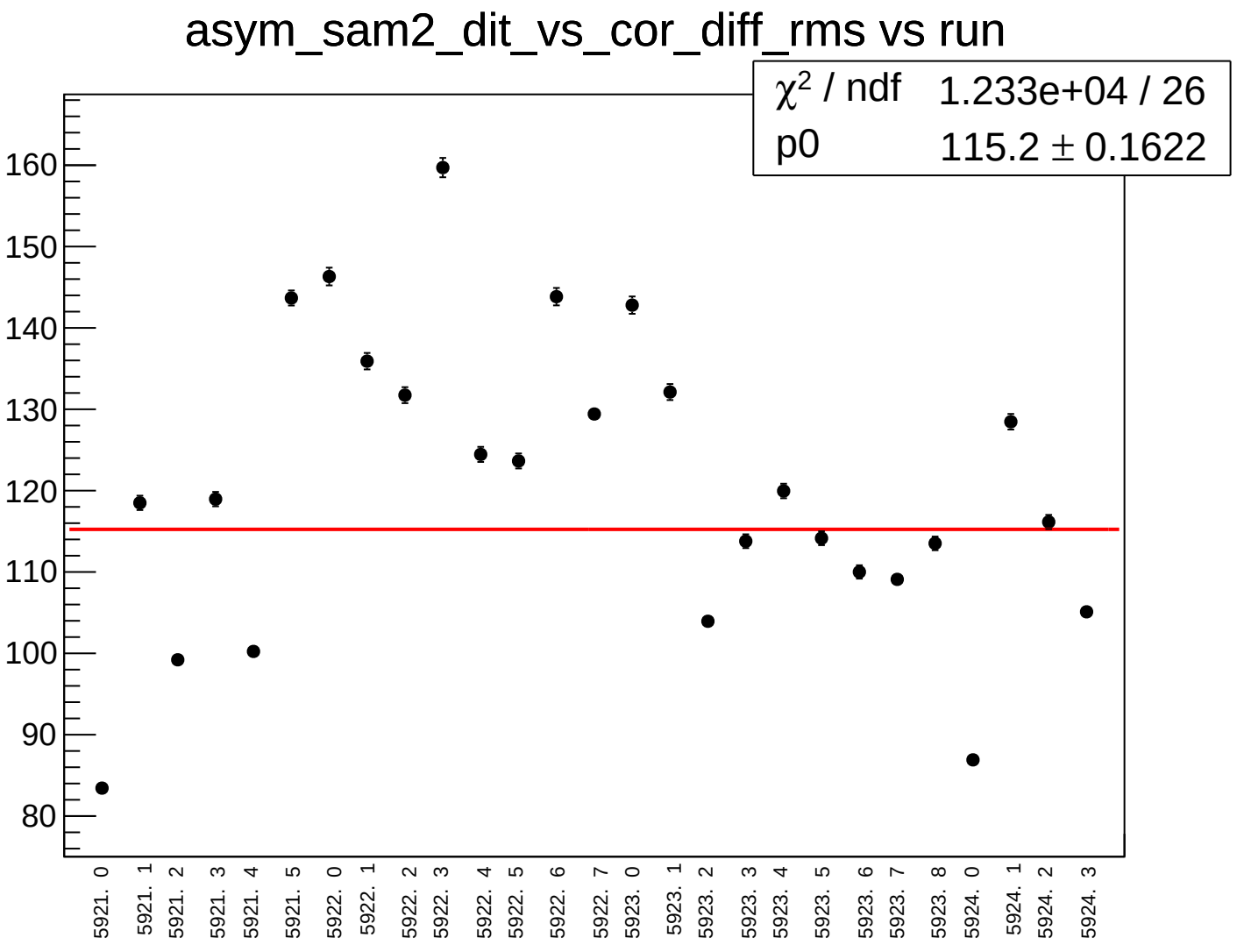

asym_sam2_reg_vs_cor_diff_mean vs run
χ² / ndf 25.92 / 26
p0 −7.829e−13 ± 5.455e−13
0.002
0.001
0
−0.001
−0.002
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 19.65
Std Dev 6.301
2
1.5
1
0.5
0
−0.5
−1

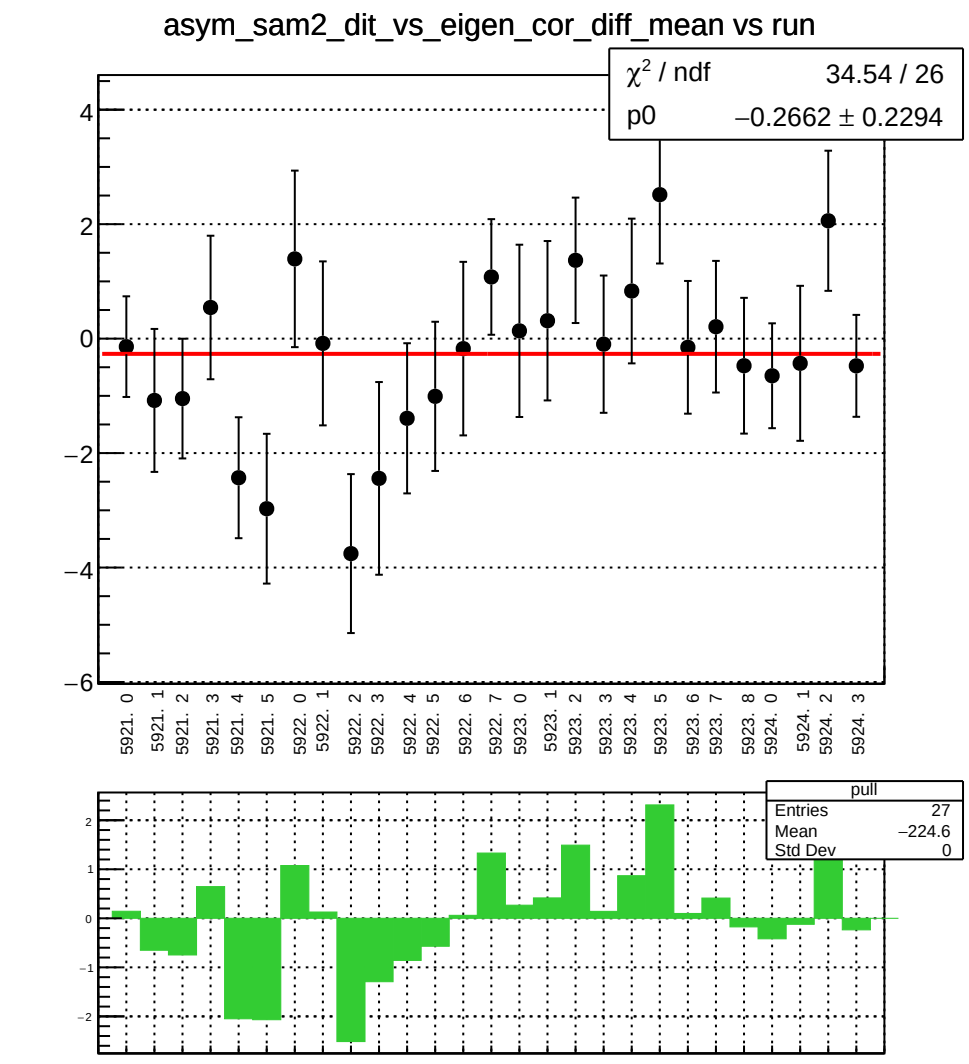

pull1D
Entries 27
Mean 0.2299
Std Dev 0.9524
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

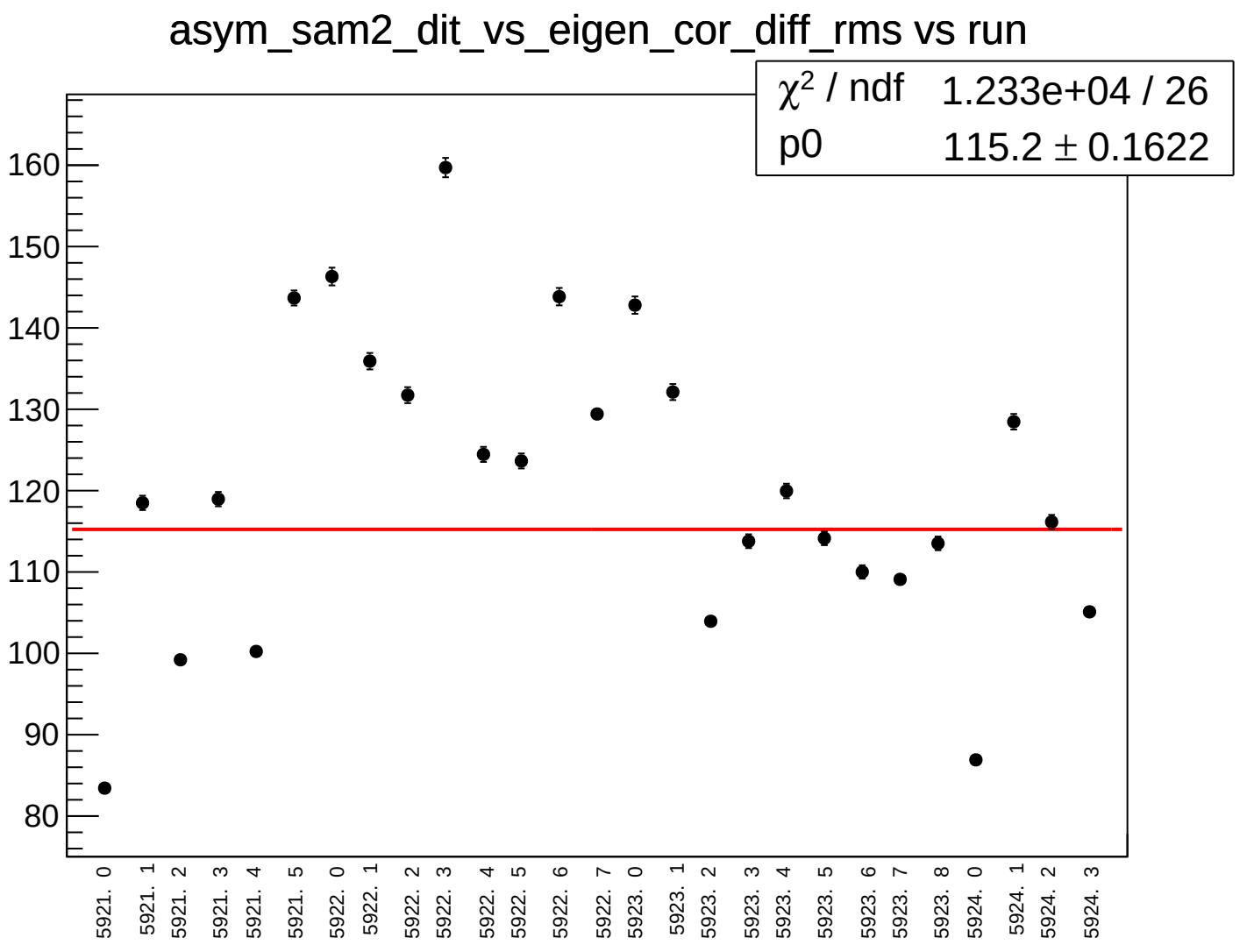

asym_sam2_reg_vs_cor_diff_rms vs run
χ² / ndf 2.898e+05 / 26
p0 1.839e−10 ± 3.857e−13
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

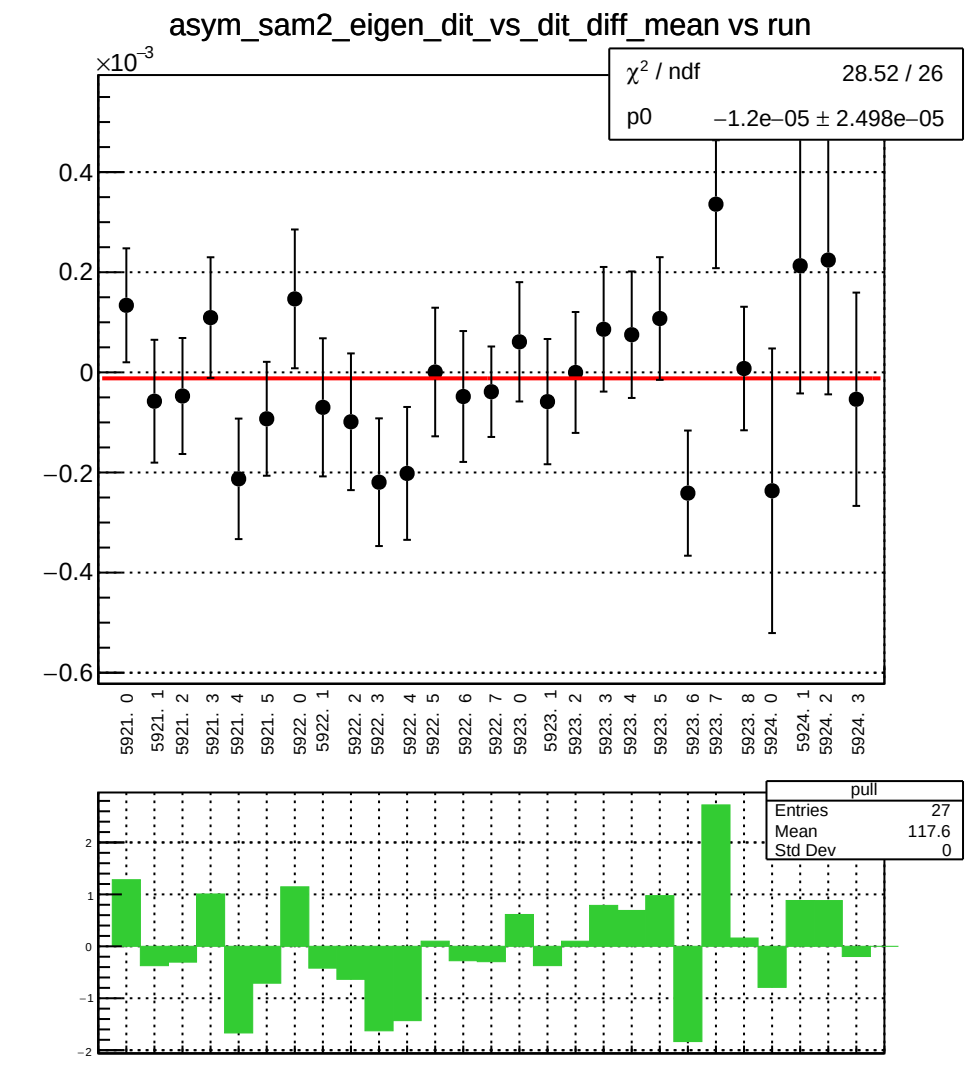

asym_sam2_dit_vs_cor_diff_mean vs run
χ² / ndf 34.54 / 26
p0 −0.2662 ± 0.2294
pull
Entries 27
Mean −224.6
Std Dev 0

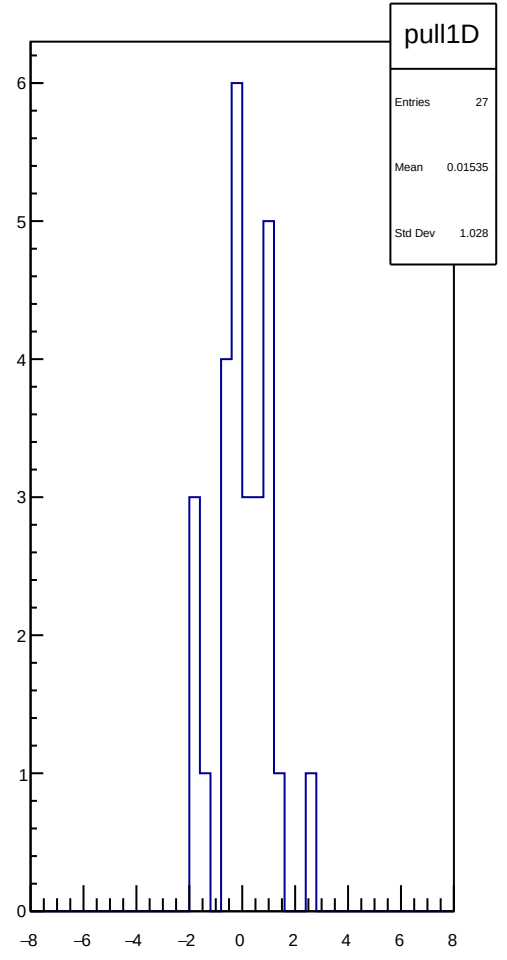

pull1D
Entries 27
Mean −0.01505
Std Dev 1.131

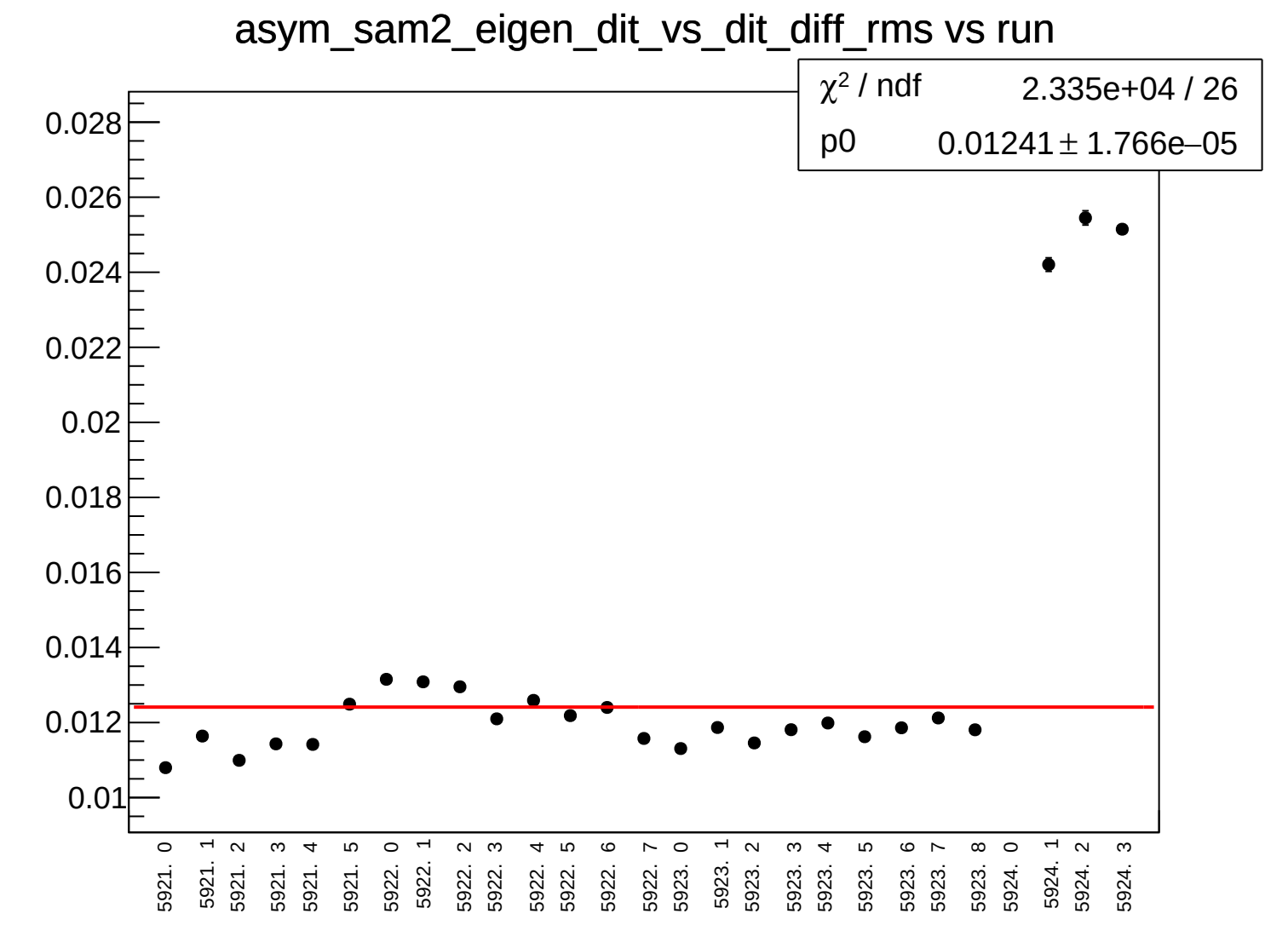

asym_sam2_dit_vs_cor_diff_rms vs run
χ² / ndf 1.233e+04 / 26
p0 115.2 ± 0.1622
160
150
140
130
120
110
100
90
80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

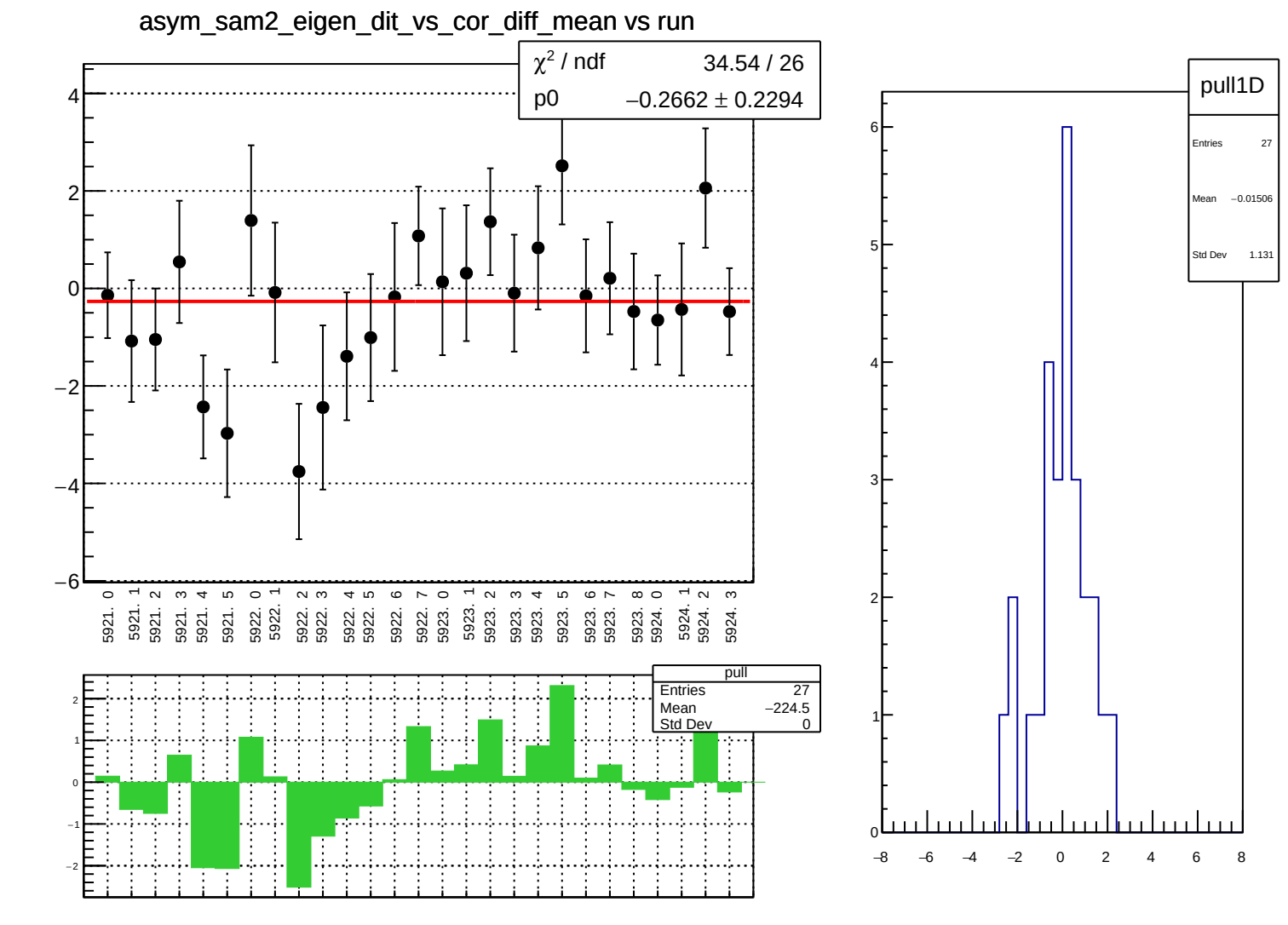

asym_sam2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 34.54 / 26
p0 −0.2662 ± 0.2294
4
2
0
−2
−4
−6
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −224.6
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean −0.01505
Std Dev 1.131
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

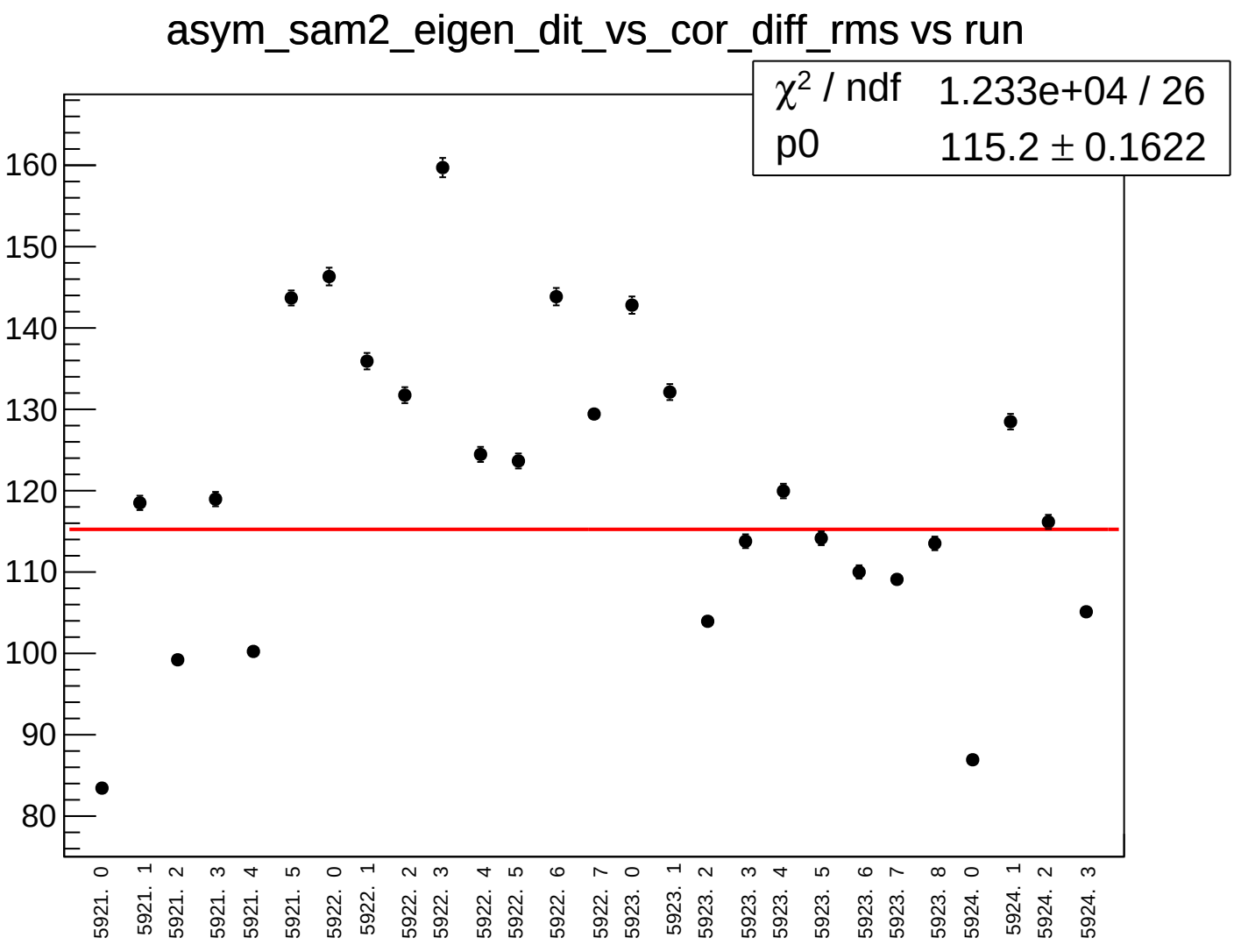

asym_sam2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.233e+04 / 26
p0 115.2 ± 0.1622
160
150
140
130
120
110
100
90
80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

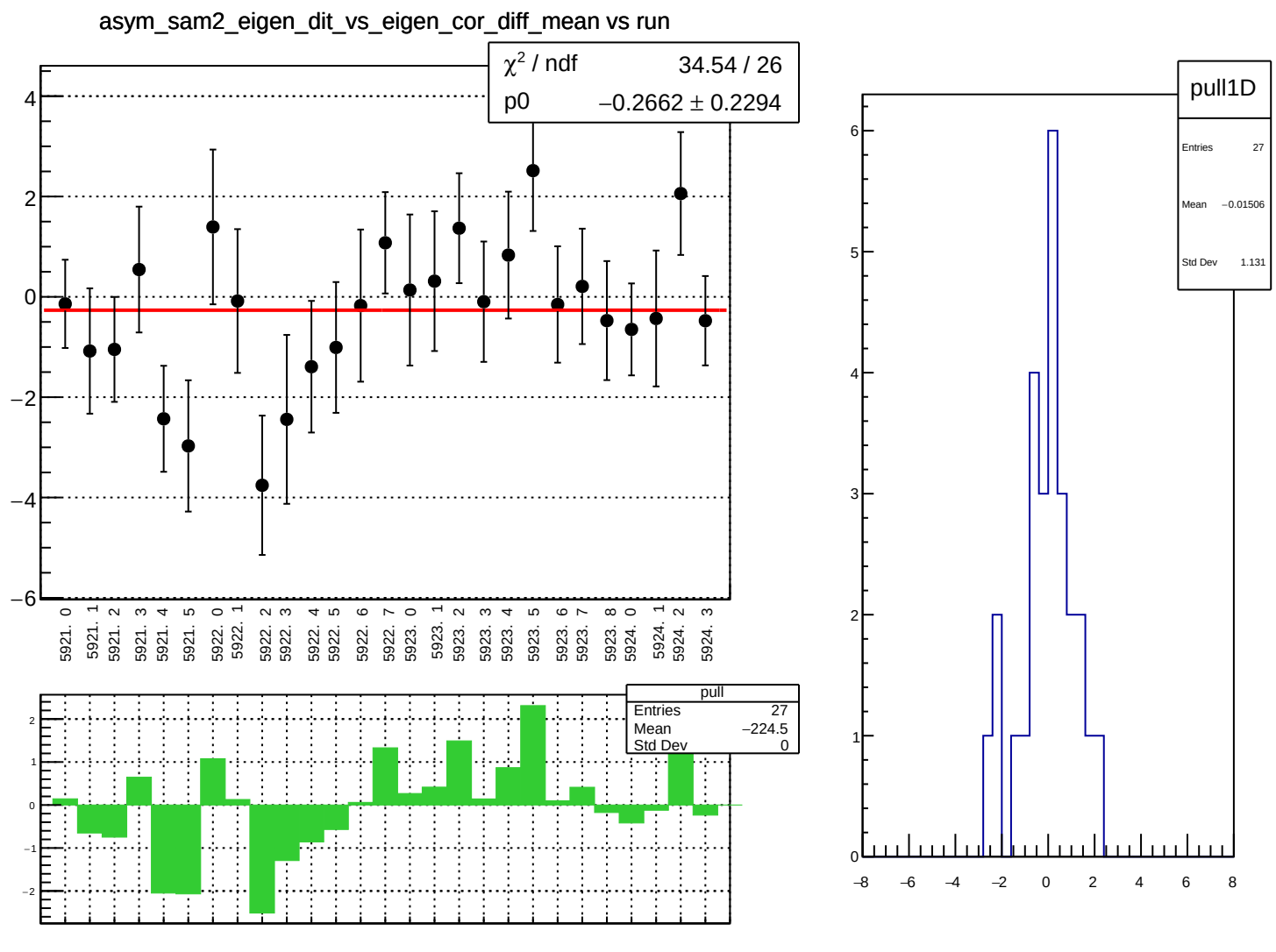

asym_sam2_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 28.52 / 26
p0 −1.2e−05 ± 2.498e−05
0.4
0.2
0
−0.2
−0.4
−0.6
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 117.6
Std Dev 0
2
1
0
−1
−2

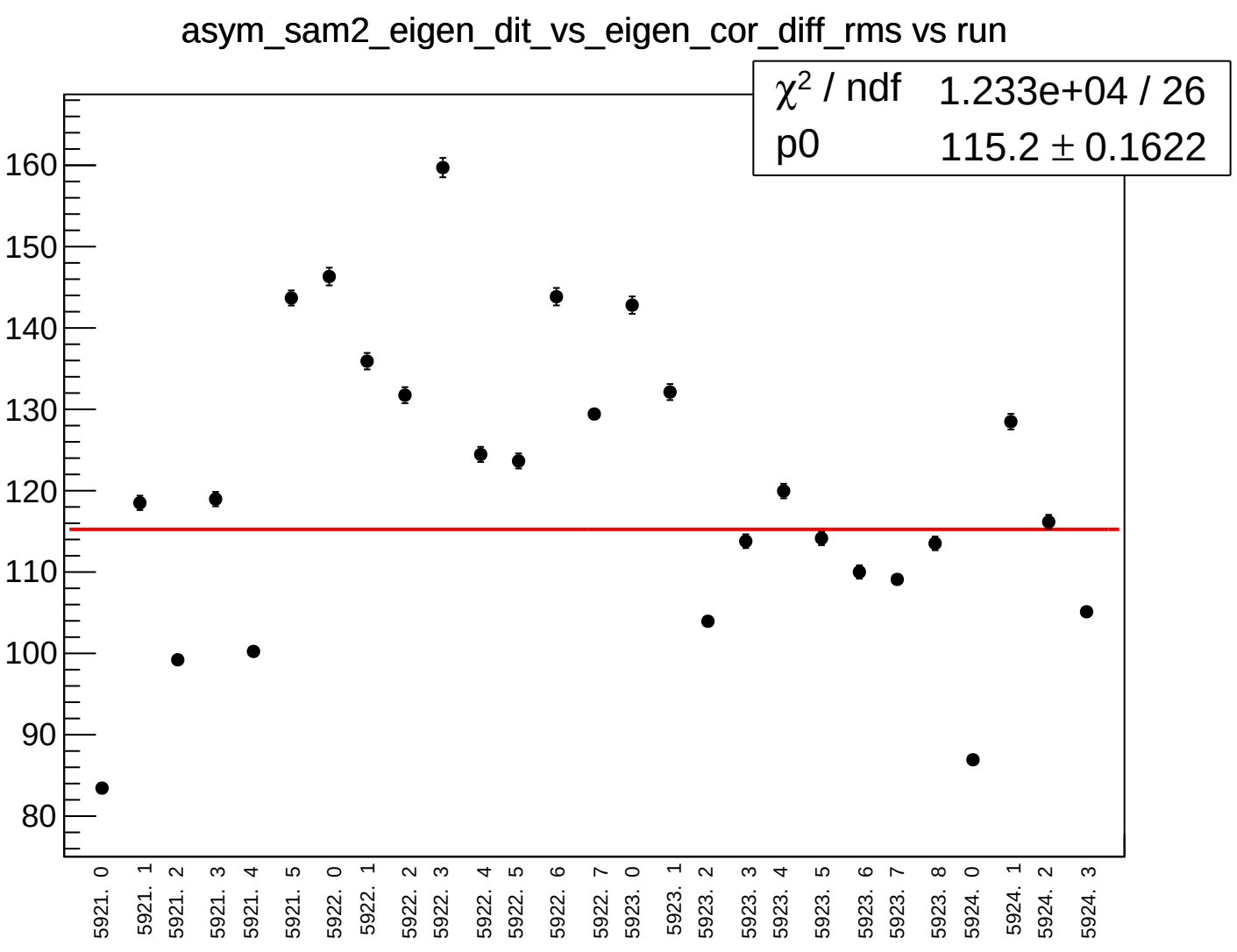

pull1D
Entries 27
Mean 0.01535
Std Dev 1.028
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

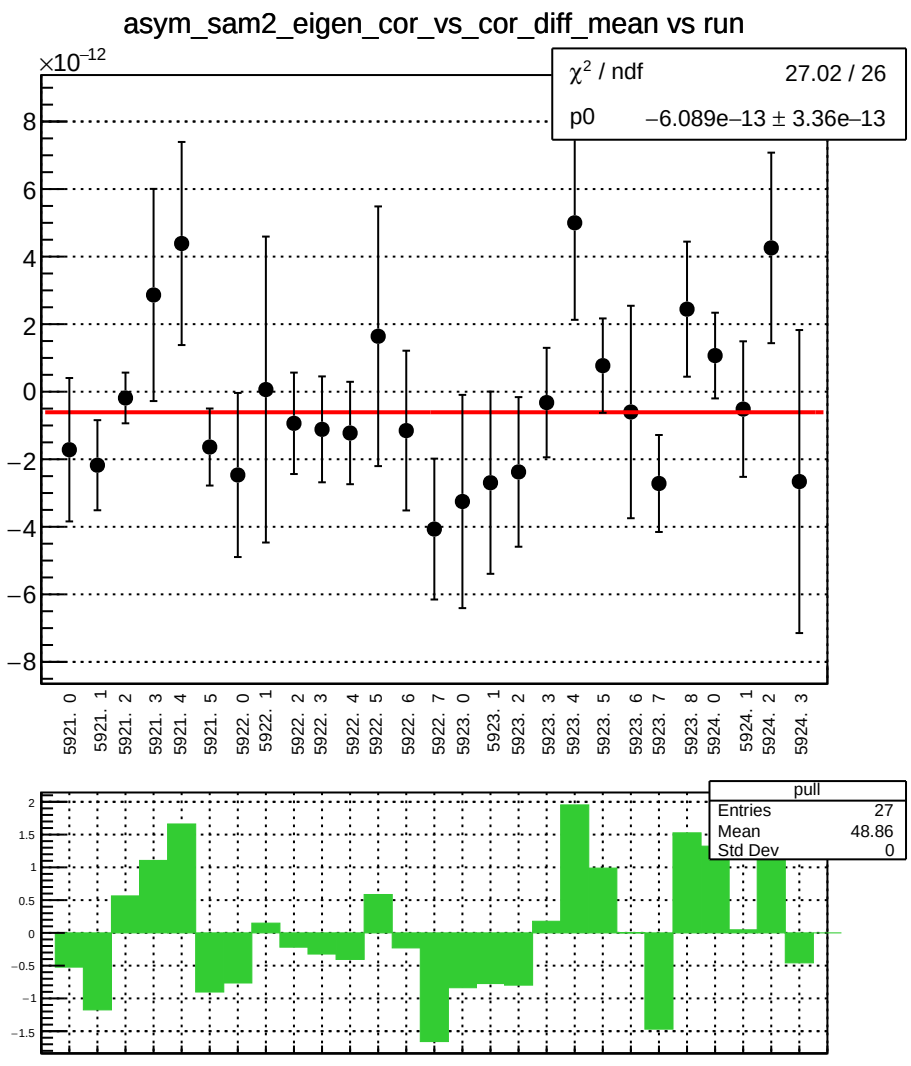

asym_sam2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.335e+04 / 26
p0 0.01241 ± 1.766e–05
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

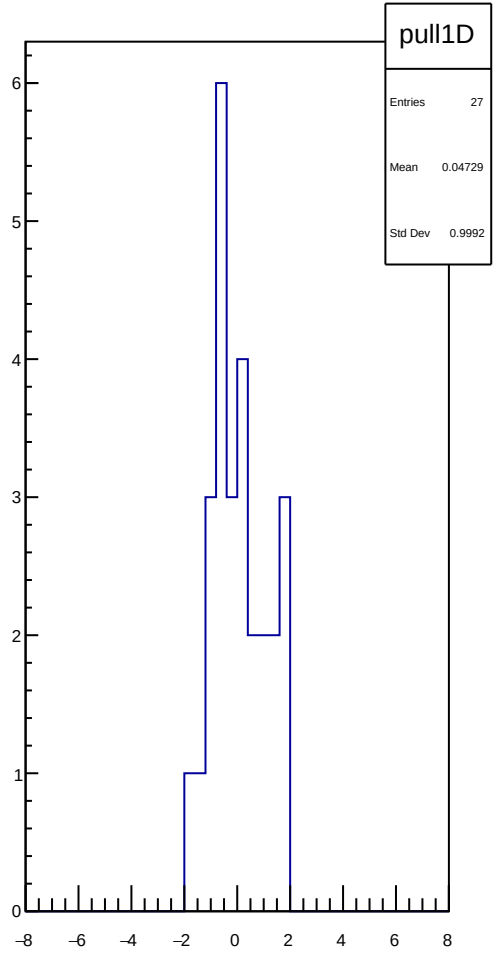

asym_sam2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 34.54 / 26
p0 −0.2662 ± 0.2294
4
2
0
−2
−4
−6
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −224.5
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean −0.01506
Std Dev 1.131
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

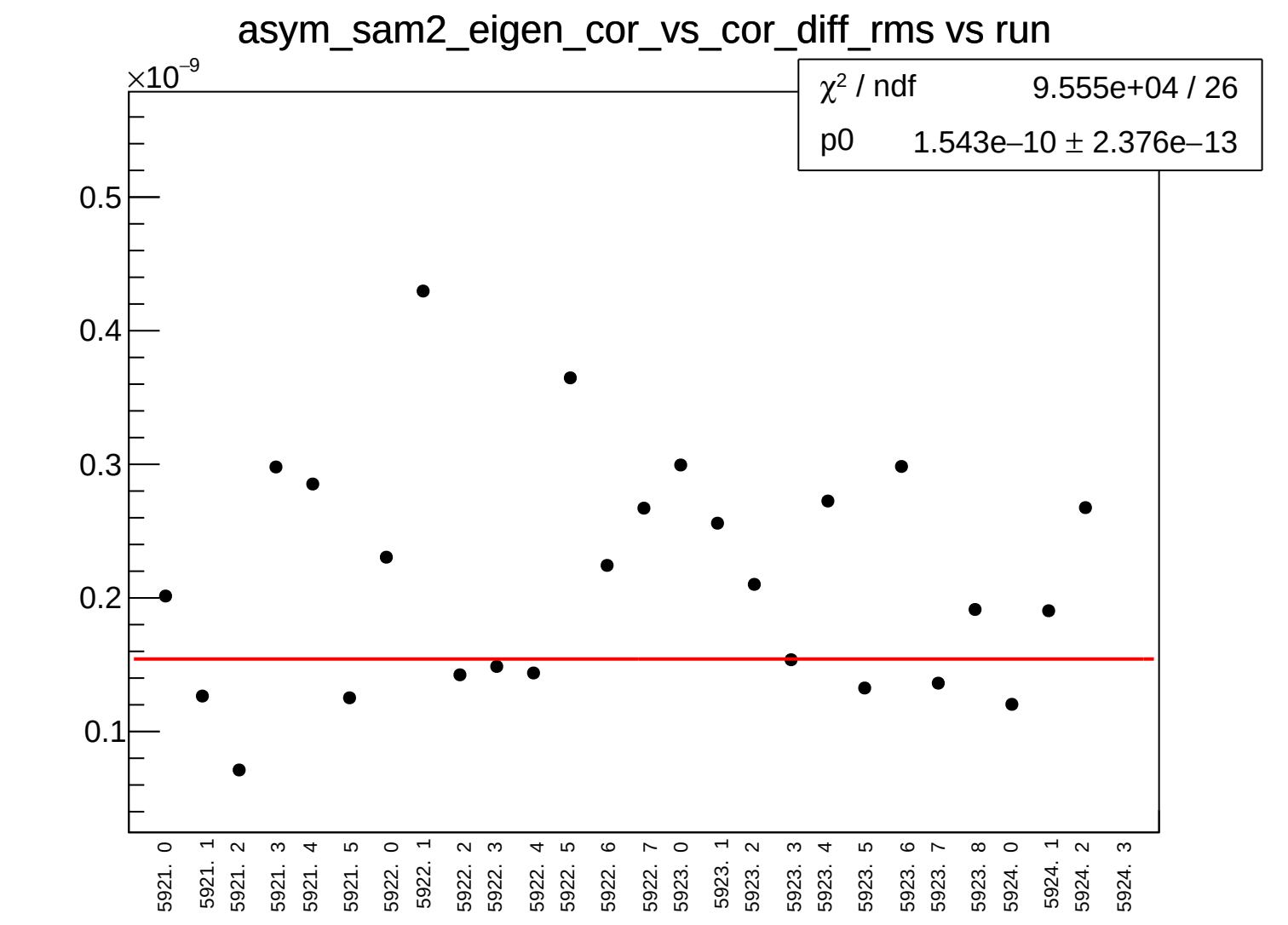

asym_sam2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.233e+04 / 26
p0 115.2 ± 0.1622
160
150
140
130
120
110
100
90
80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

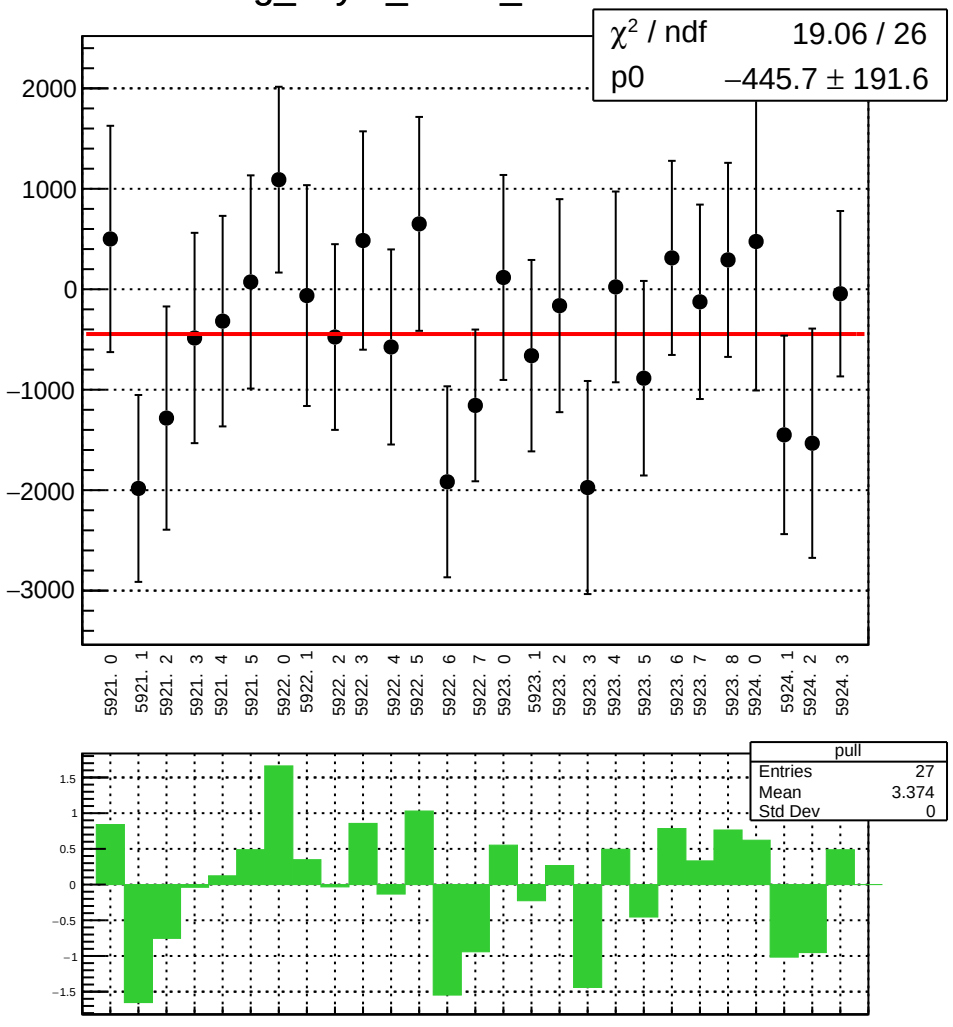

asym_sam2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 34.54 / 26
p0 −0.2662 ± 0.2294
4
2
0
−2
−4
−6
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −224.5
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean −0.01506
Std Dev 1.131
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

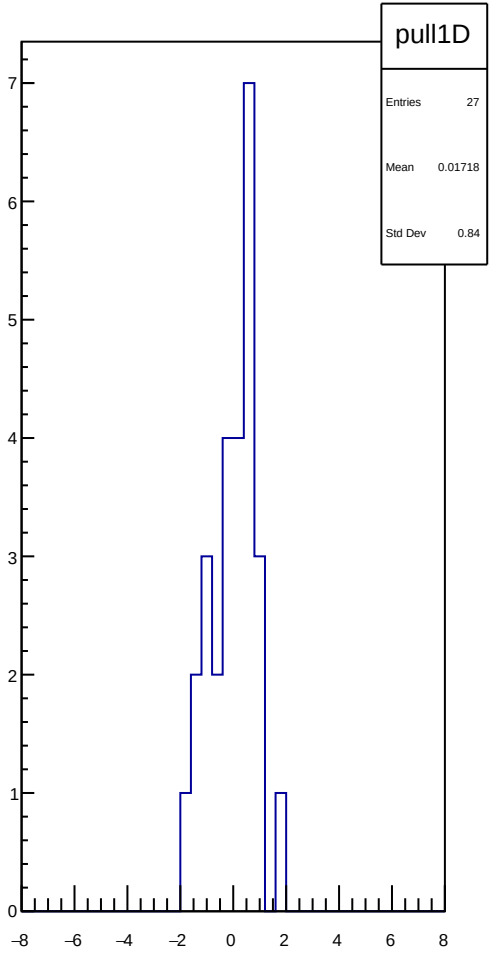

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.233e+04 / 26
p0 115.2 ± 0.1622
160
150
140
130
120
110
100
90
80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

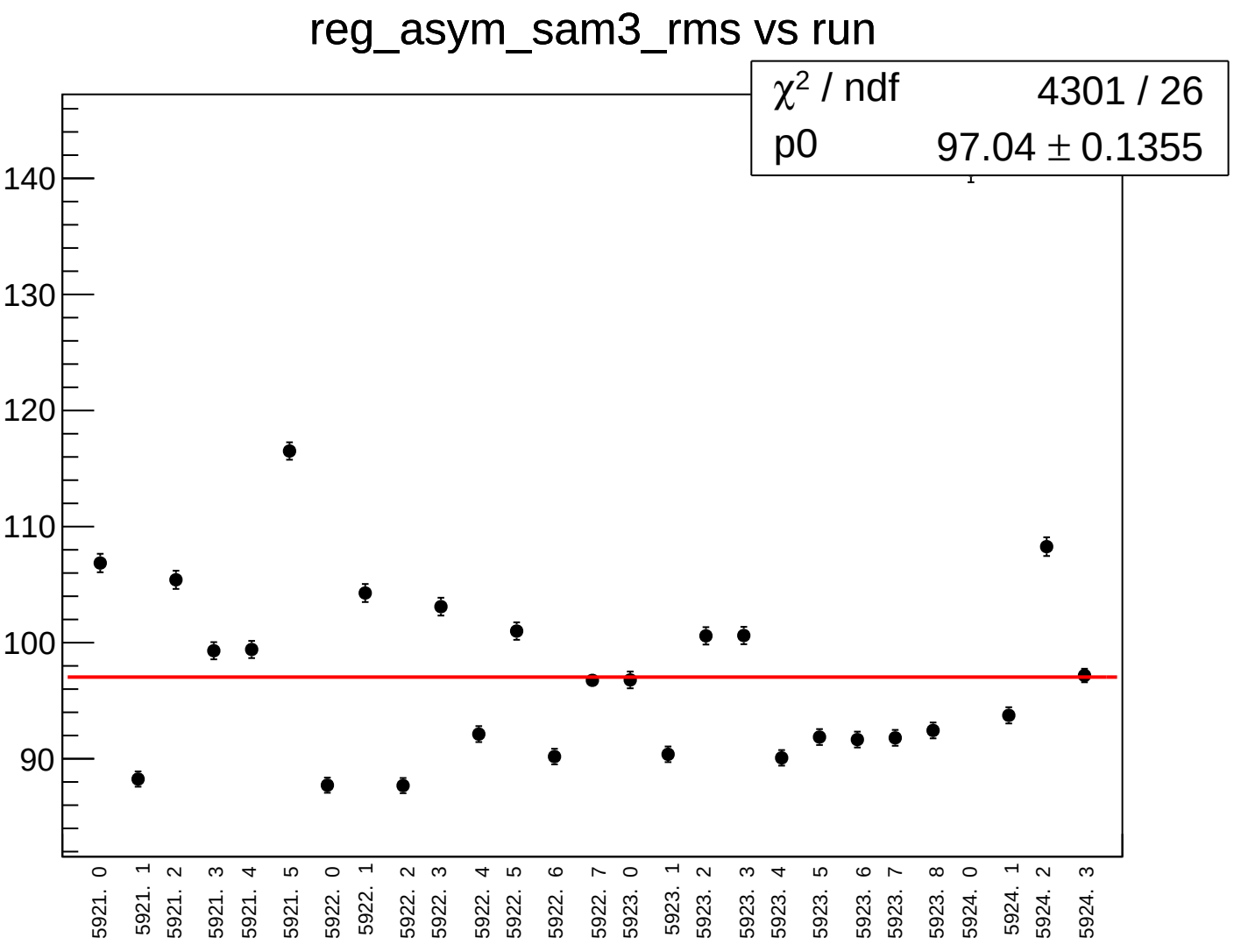

asym_sam2_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 27.02 / 26
p0 −6.089e−13 ± 3.36e−13
8
6
4
2
0
−2
−4
−6
−8
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 48.86
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

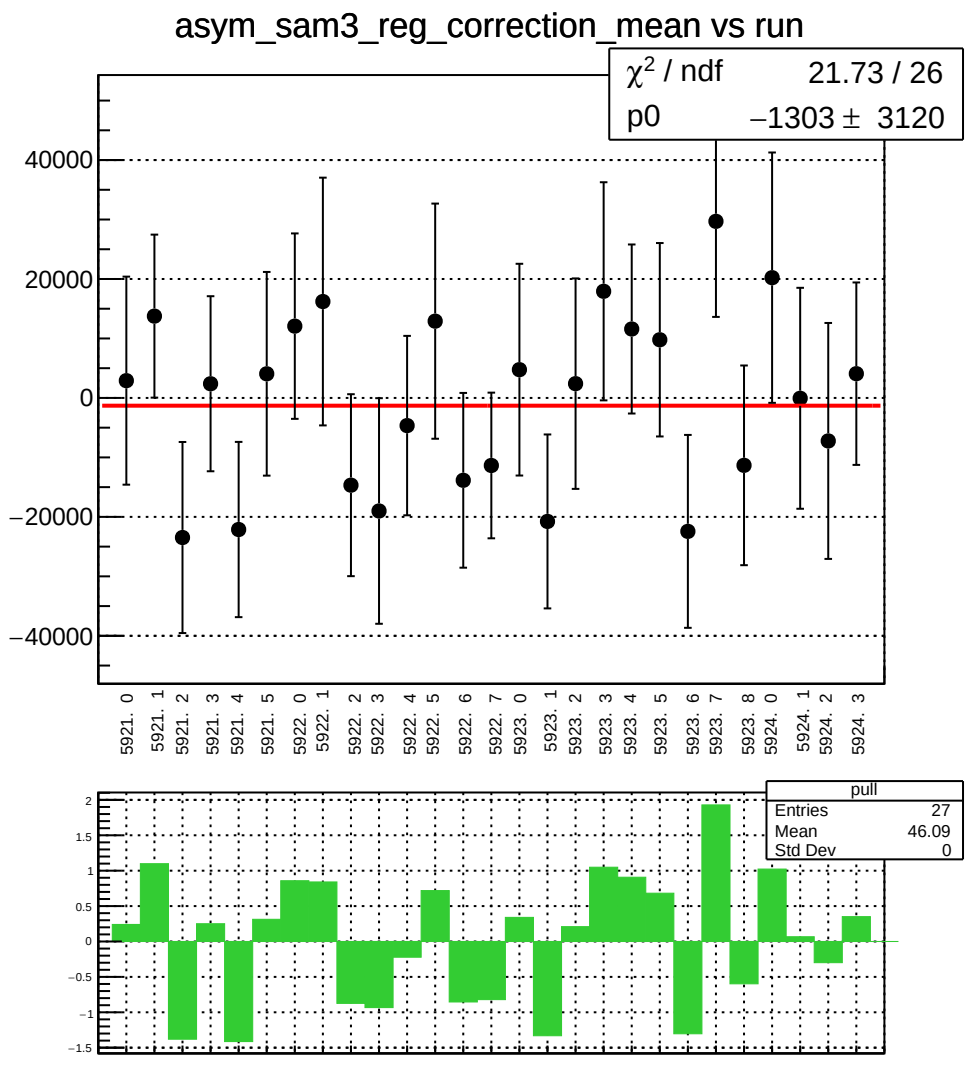

pull1D
Entries 27
Mean 0.04729
Std Dev 0.9992
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

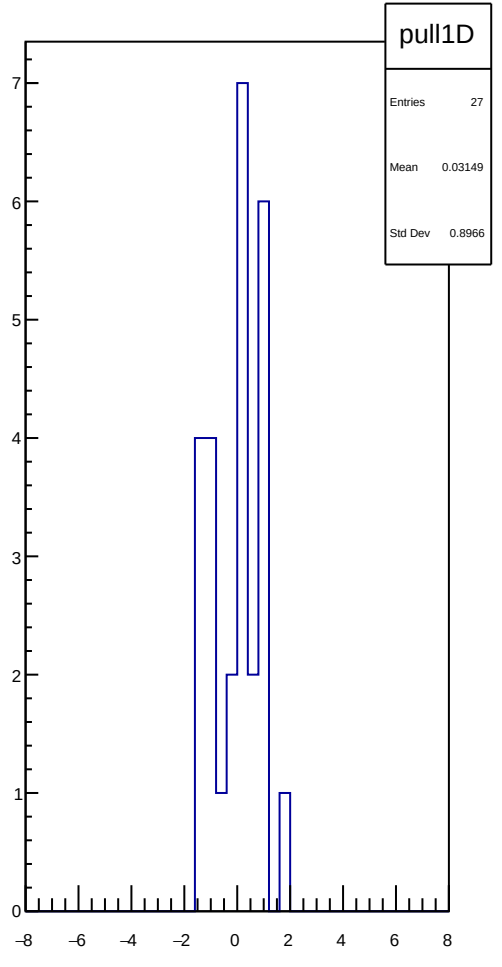

asym_sam2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 9.555e+04 / 26
p0 1.543e−10 ± 2.376e−13
0.5
0.4
0.3
0.2
0.1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

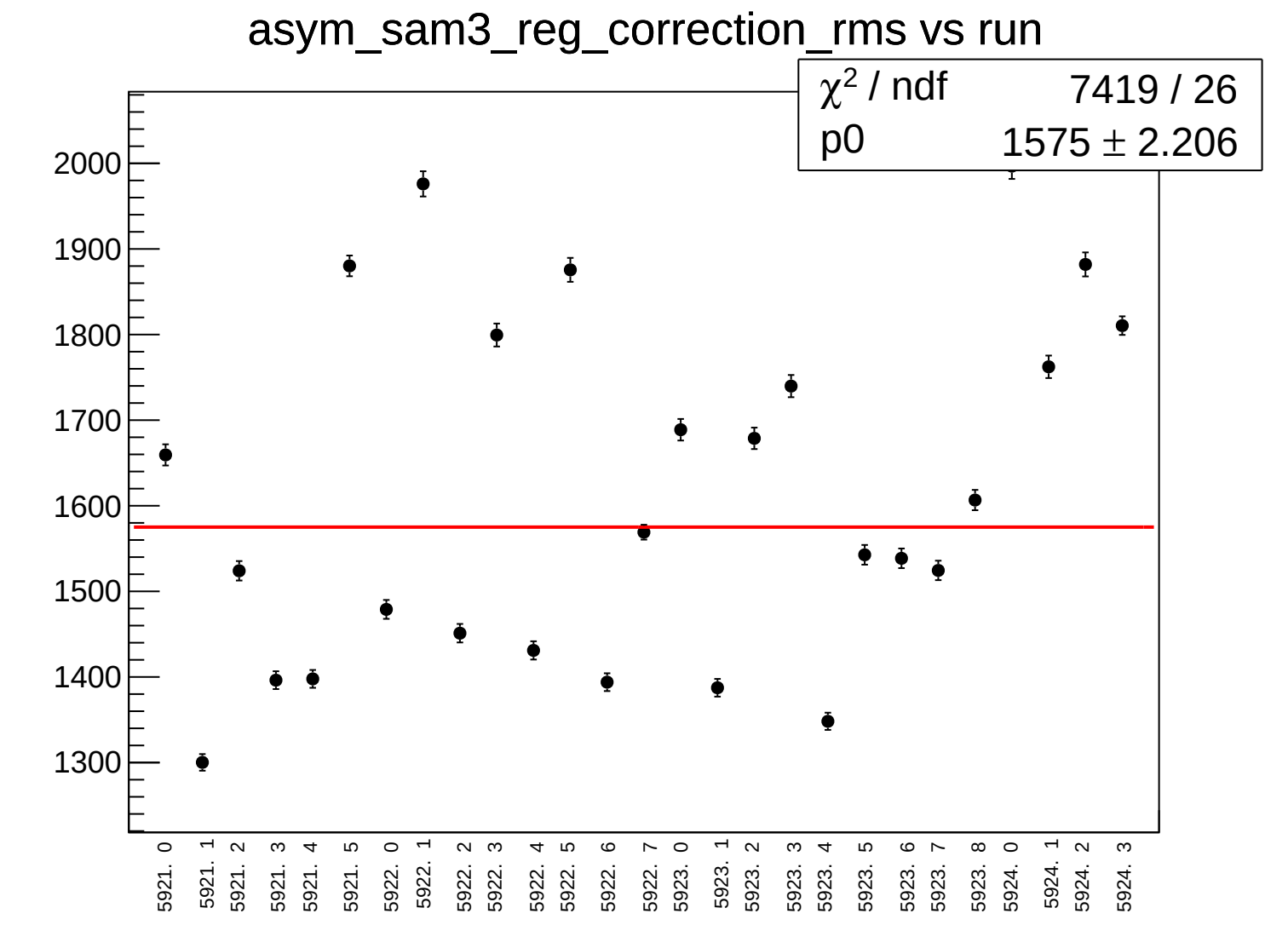

reg_asym_sam3_mean vs run
χ² / ndf 19.06 / 26
p0 −445.7 ± 191.6
2000
1000
0
−1000
−2000
−3000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 3.374
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

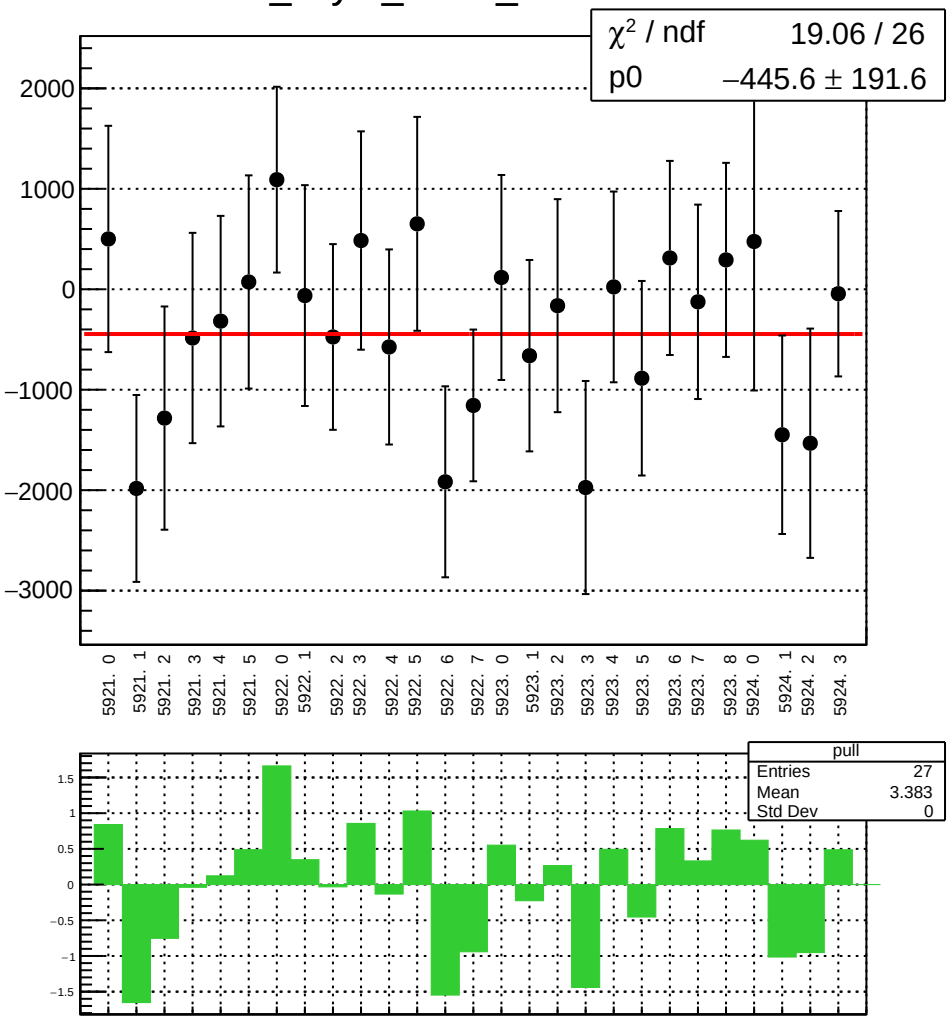

pull1D
Entries 27
Mean 0.01718
Std Dev 0.84
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

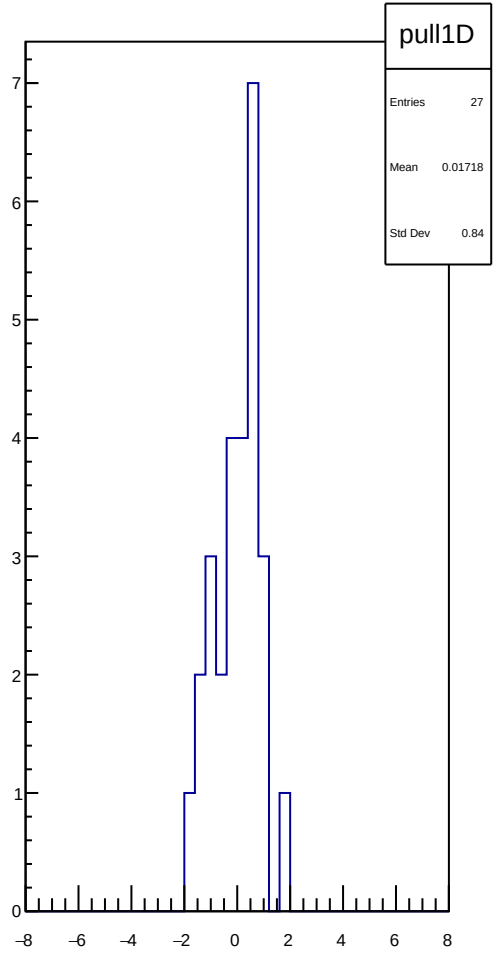

reg_asym_sam3_rms vs run
χ² / ndf 4301 / 26
p0 97.04 ± 0.1355
140
130
120
110
100
90
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

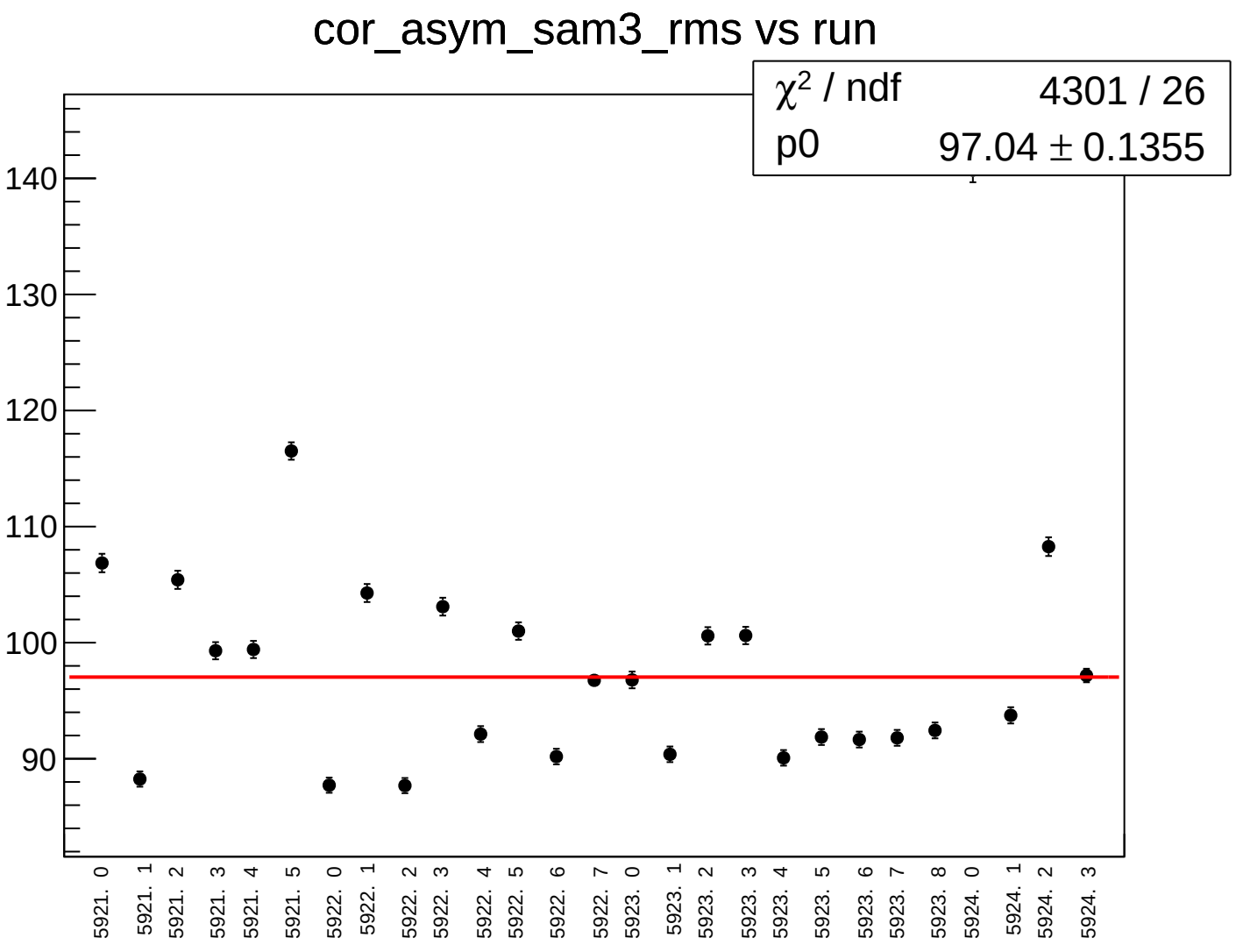

asym_sam3_reg_correction_mean vs run
χ² / ndf 21.73 / 26
p0 −1303 ± 3120
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 46.09
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

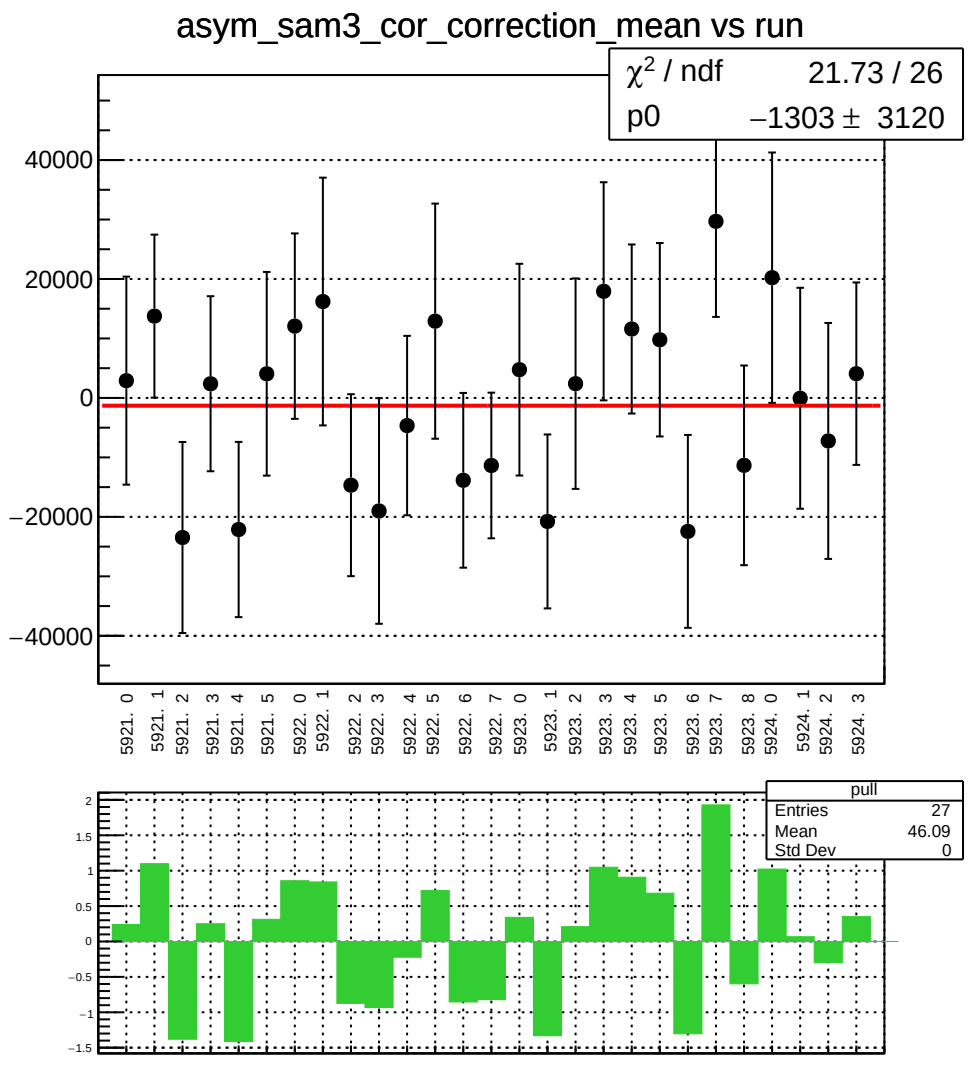

pull1D
Entries 27
Mean 0.03149
Std Dev 0.8966
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

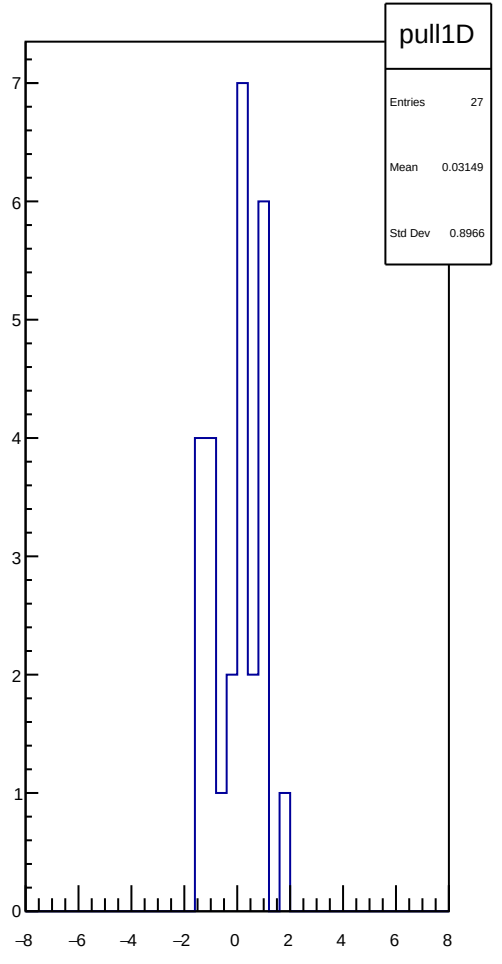

asym_sam3_reg_correction_rms vs run
χ² / ndf 7419 / 26
p0 1575 ± 2.206
2000
1900
1800
1700
1600
1500
1400
1300
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

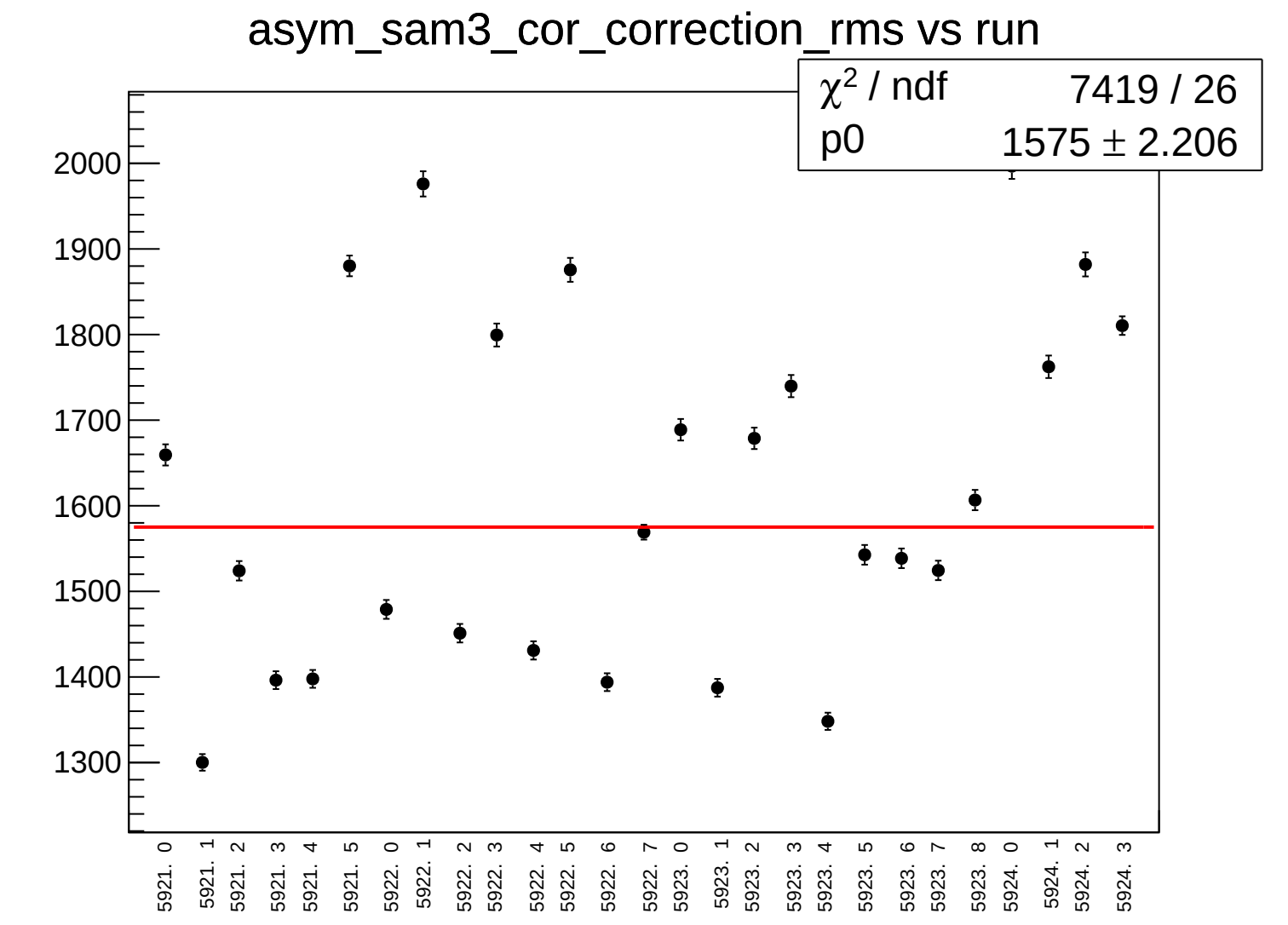

cor_asym_sam3_mean vs run
χ² / ndf 19.06 / 26
p0 −445.6 ± 191.6
2000
1000
0
−1000
−2000
−3000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 3.383
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

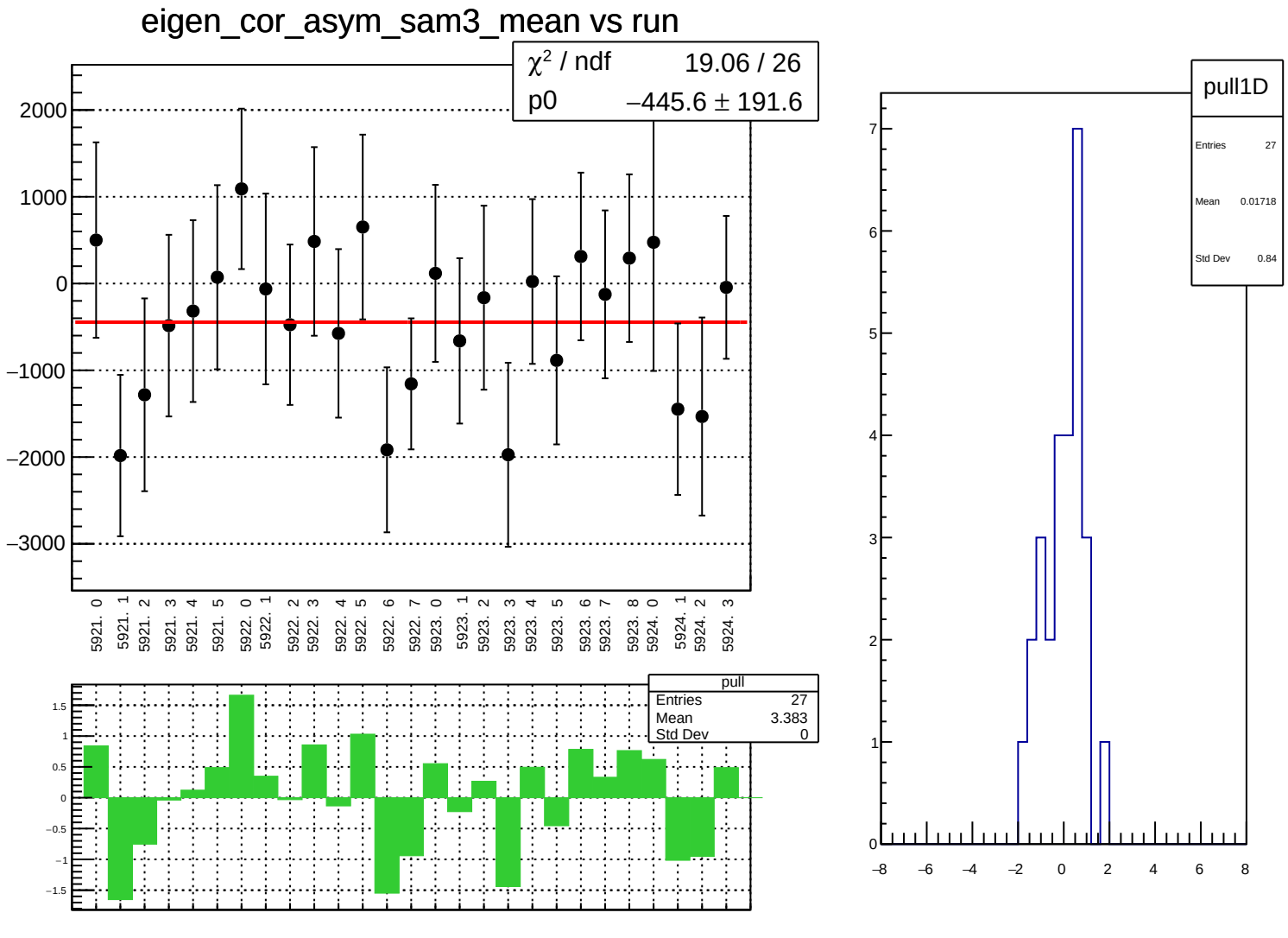

pull1D
Entries 27
Mean 0.01718
Std Dev 0.84
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

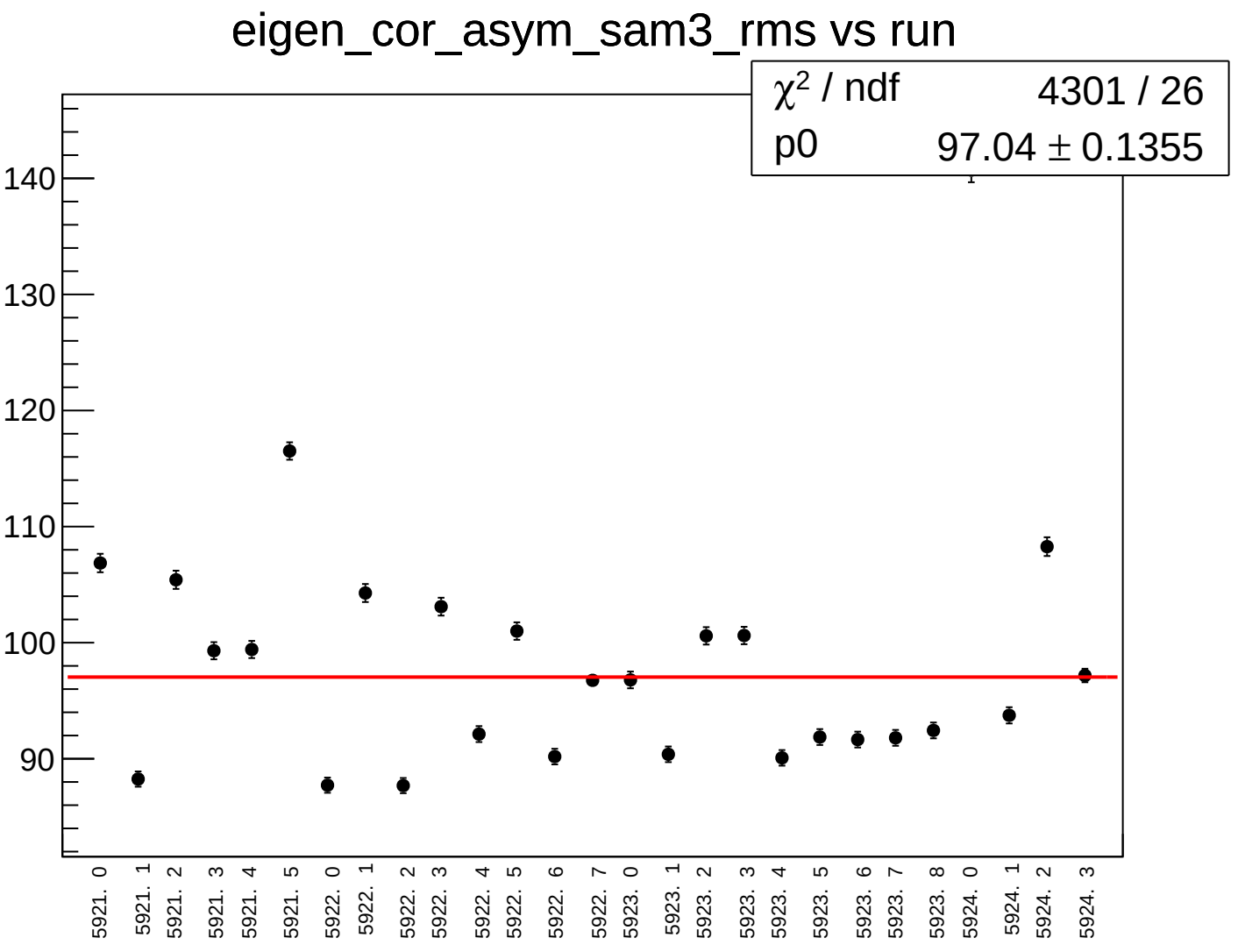

cor_asym_sam3_rms vs run
χ² / ndf 4301 / 26
p0 97.04 ± 0.1355
140
130
120
110
100
90
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

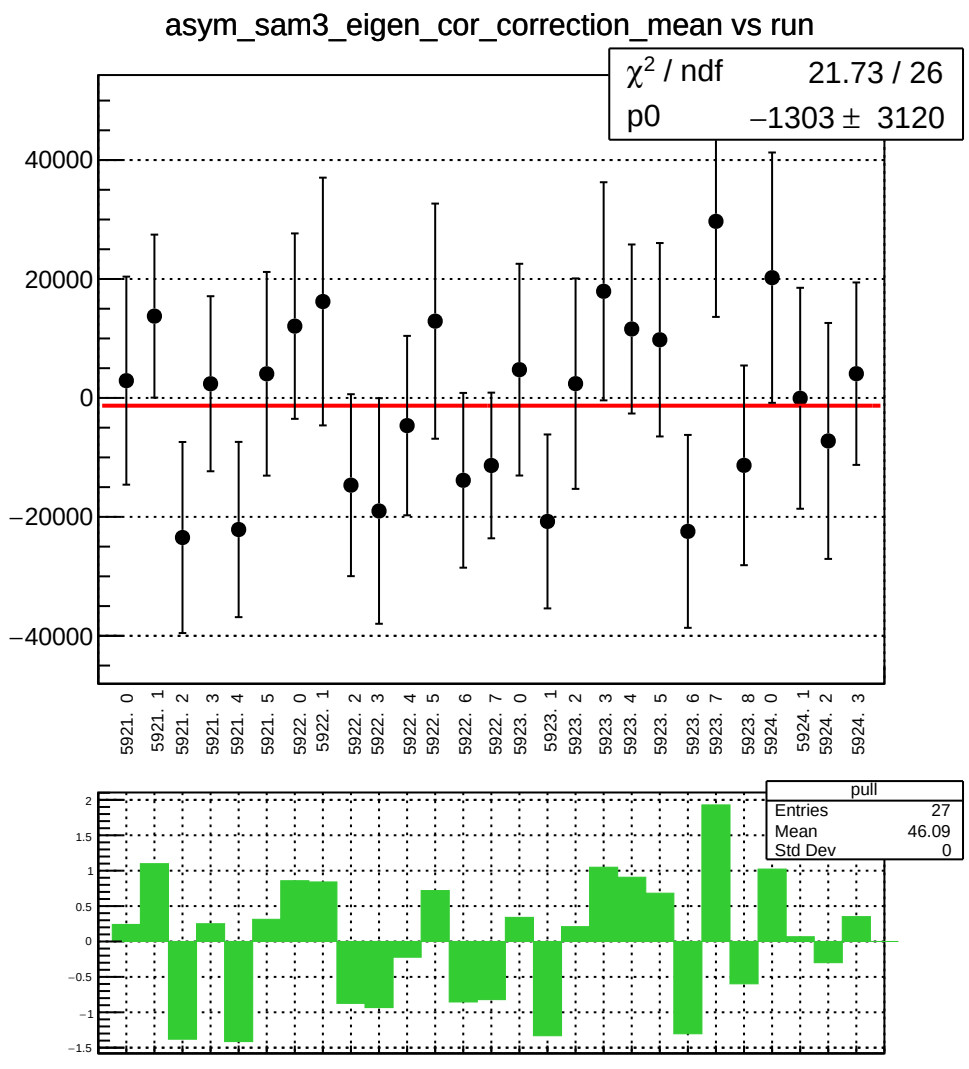

asym_sam3_cor_correction_mean vs run
χ² / ndf 21.73 / 26
p0 −1303 ± 3120
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 46.09
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 27
Mean 0.03149
Std Dev 0.8966
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam3_cor_correction_rms vs run
χ² / ndf 7419 / 26
p0 1575 ± 2.206
2000
1900
1800
1700
1600
1500
1400
1300
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


eigen_cor_asym_sam3_mean vs run
χ² / ndf 19.06 / 26
p0 −445.6 ± 191.6
2000
1000
0
−1000
−2000
−3000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 3.383
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.01718
Std Dev 0.84
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam3_rms vs run
χ² / ndf 4301 / 26
p0 97.04 ± 0.1355
140
130
120
110
100
90
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


asym_sam3_eigen_cor_correction_mean vs run
χ² / ndf 21.73 / 26
p0 −1303 ± 3120
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 46.09
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.03149
Std Dev 0.8966
7
6
5
4
3
2
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0
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−4
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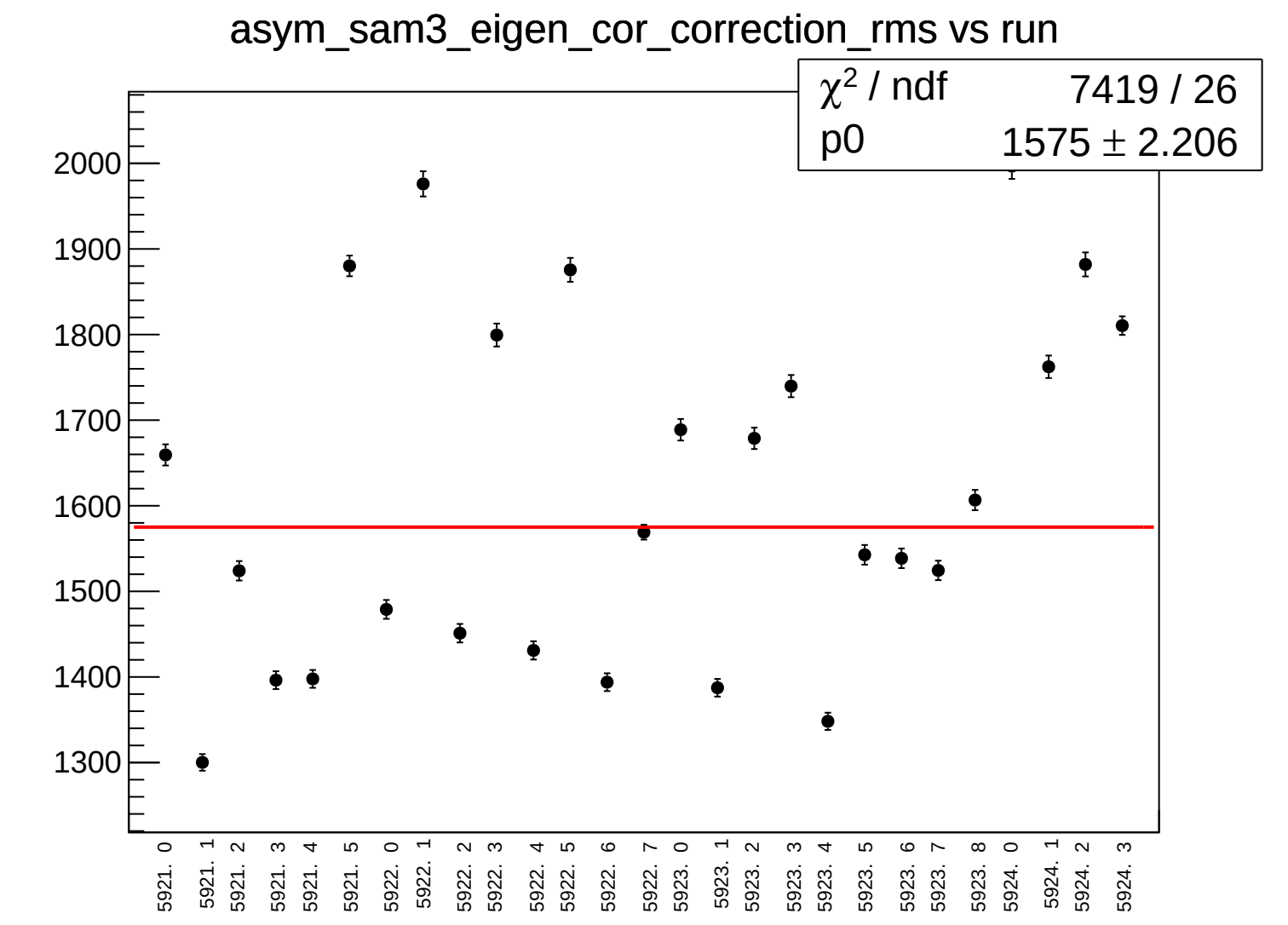
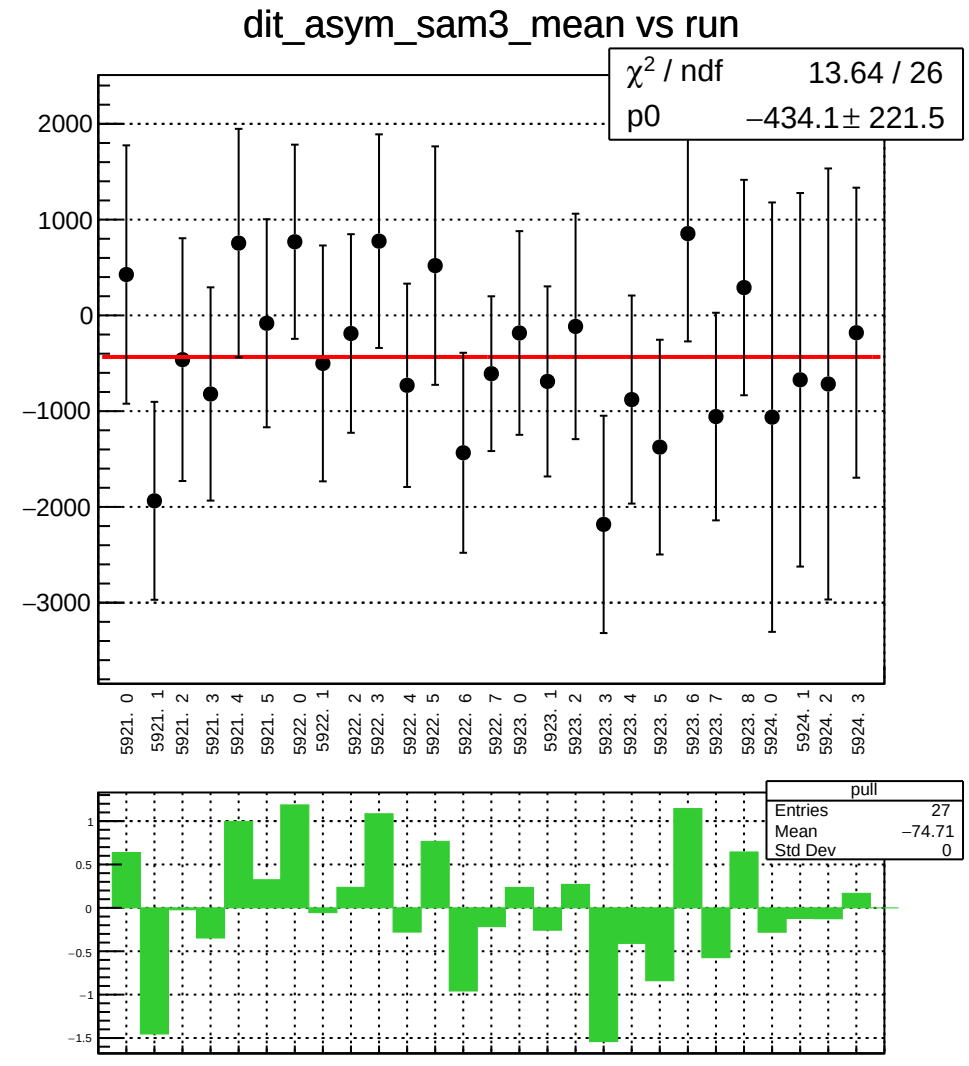
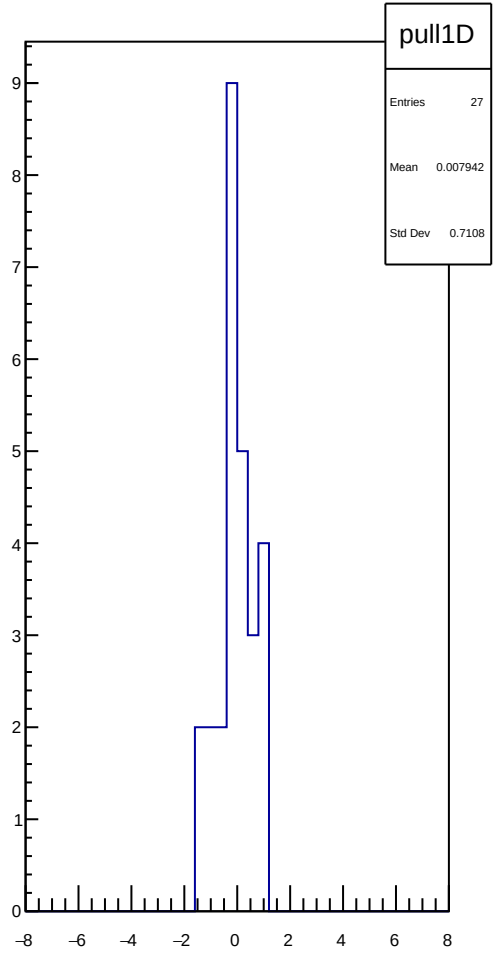
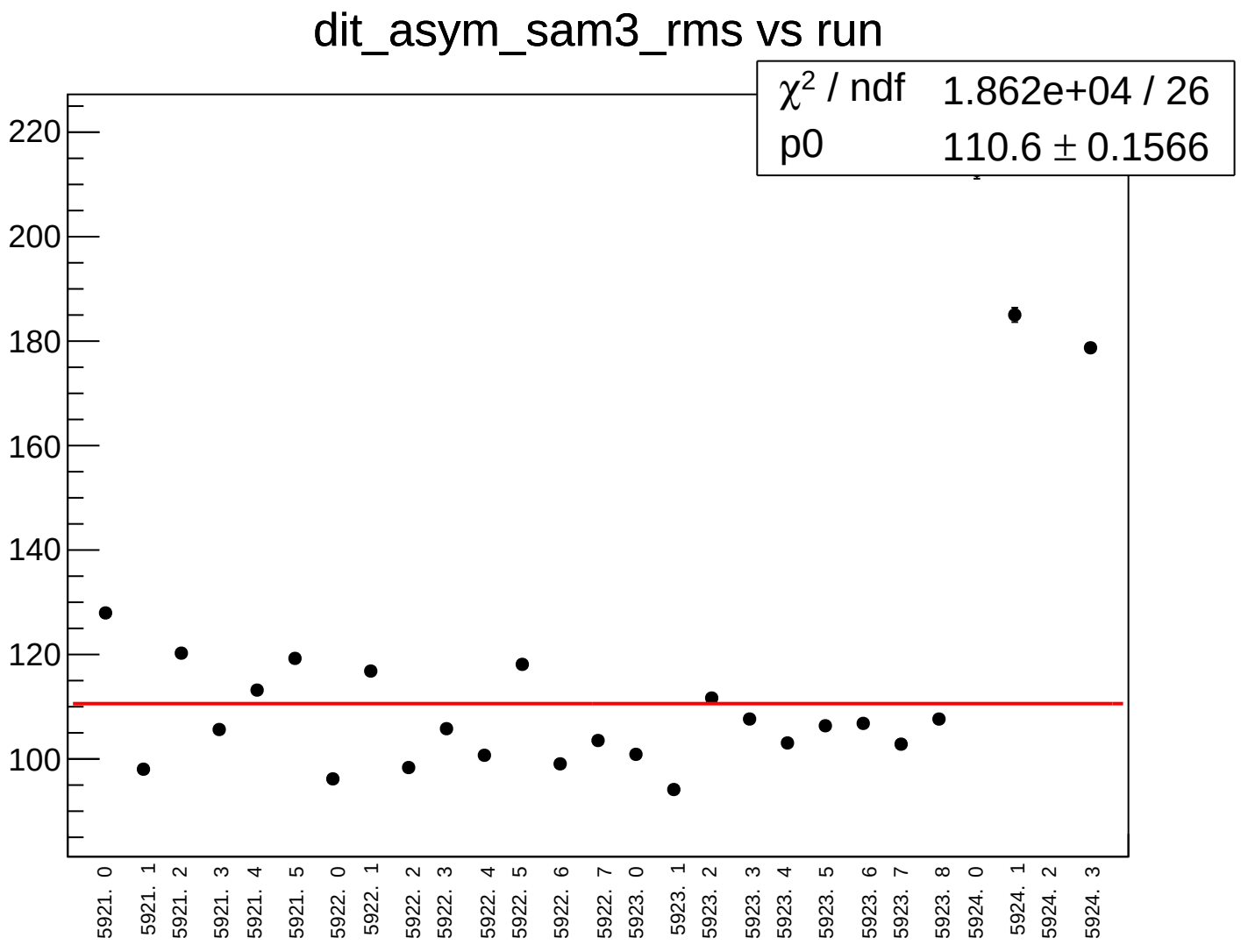
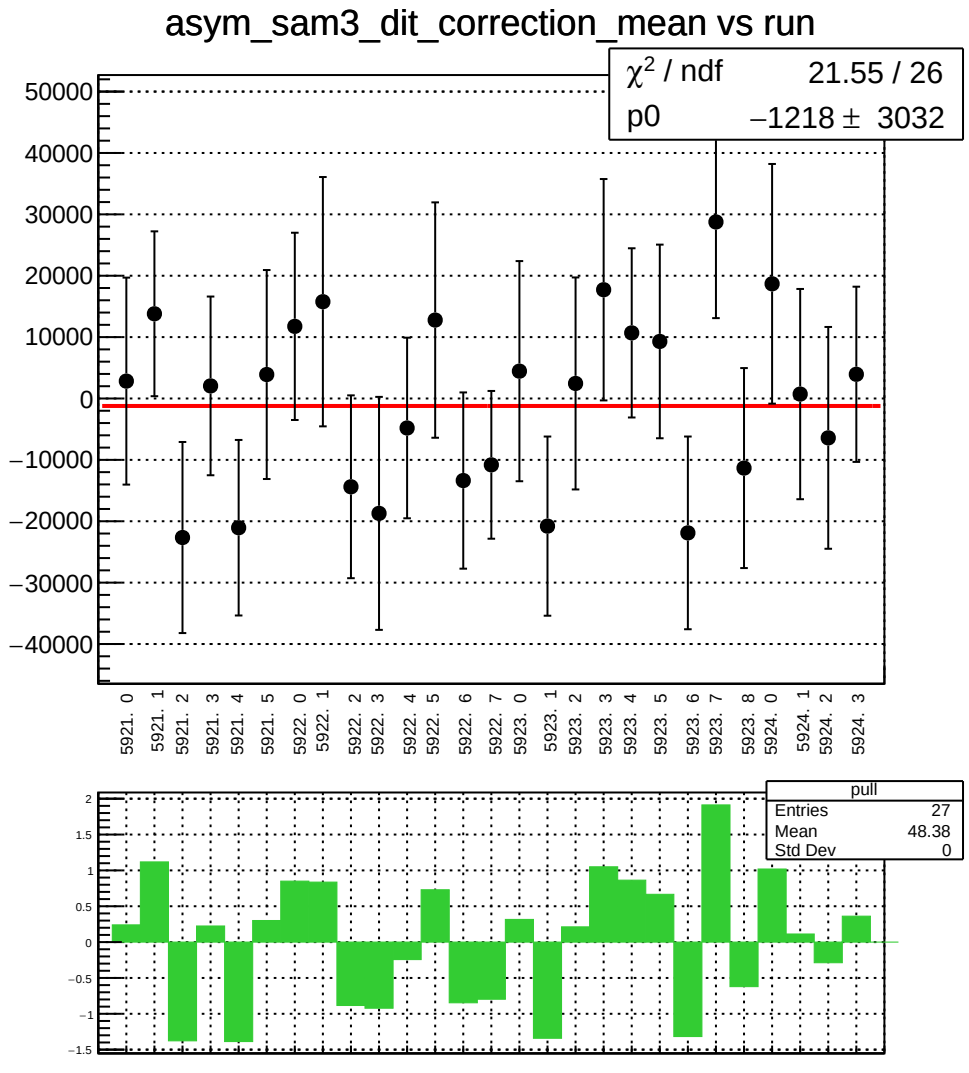
2
4
6
8

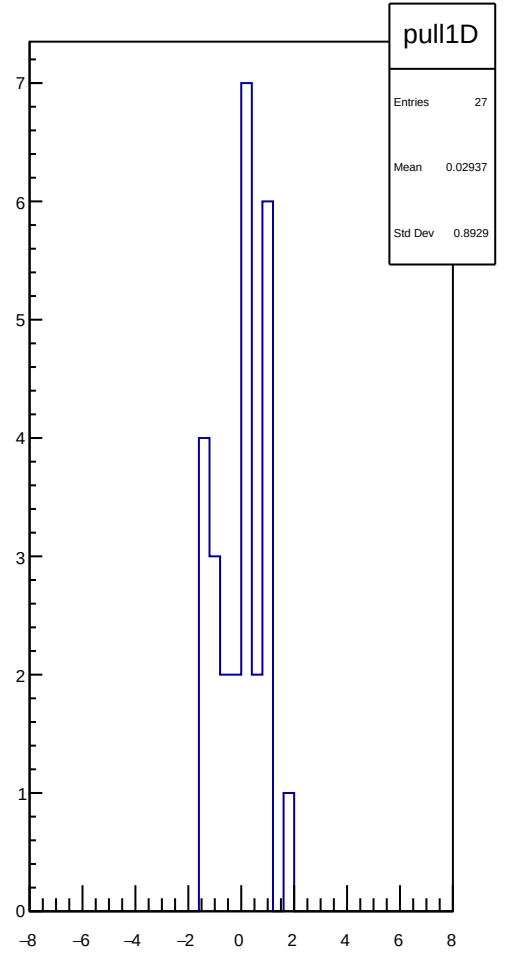

asym_sam3_eigen_cor_correction_rms vs run
χ² / ndf 7419 / 26
p0 1575 ± 2.206
2000
1900
1800
1700
1600
1500
1400
1300
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

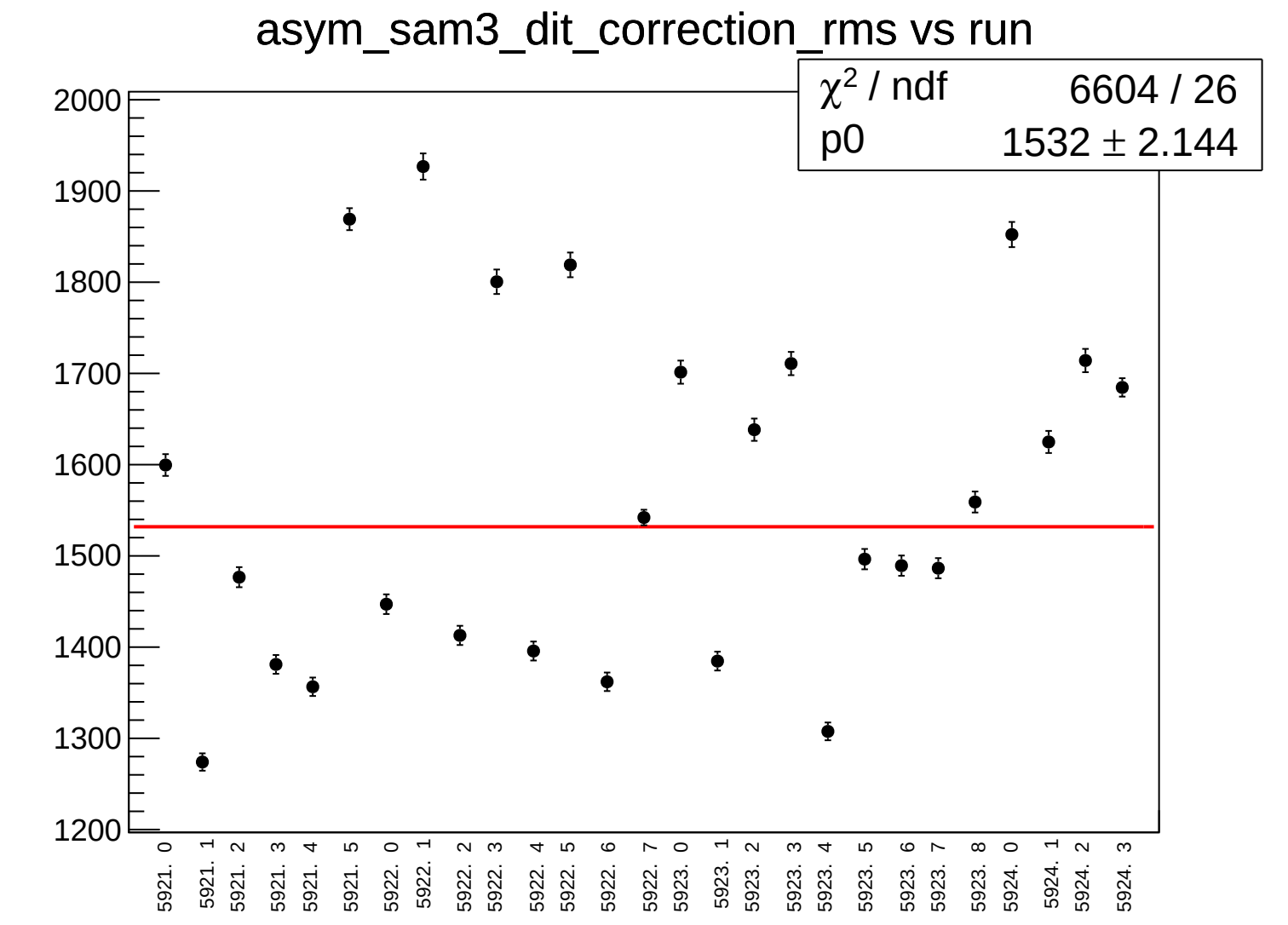

dit_asym_sam3_mean vs run
χ² / ndf 13.64 / 26
p0 −434.1± 221.5
2000
1000
0
−1000
−2000
−3000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −74.71
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

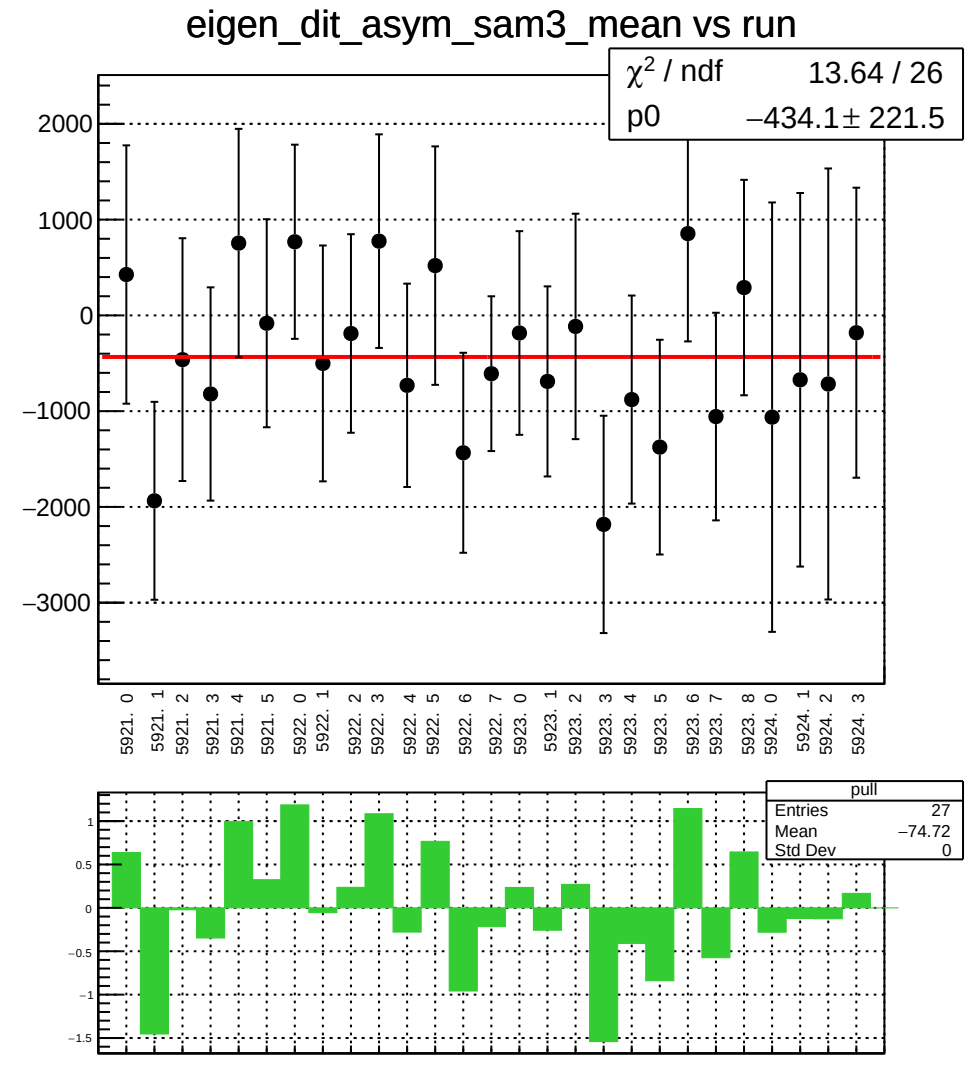

pull1D
Entries 27
Mean 0.007942
Std Dev 0.7108
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

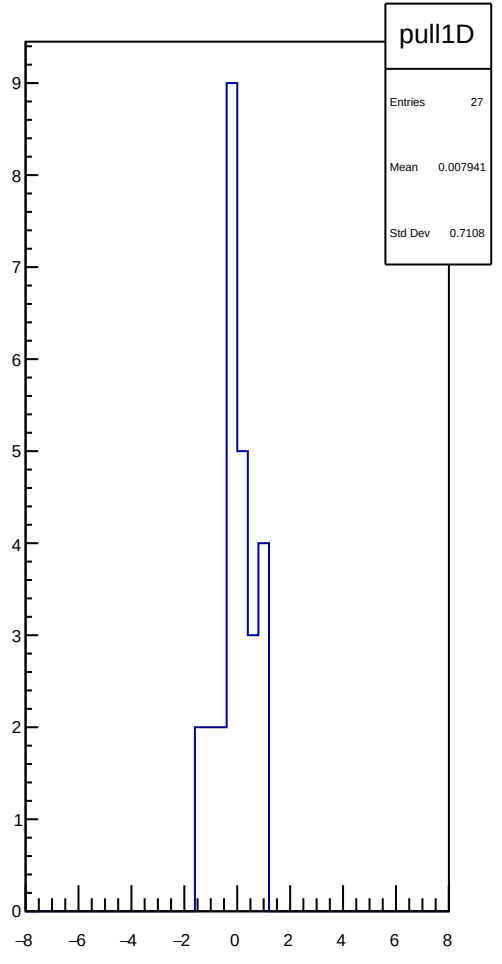

dit_asym_sam3_rms vs run
χ² / ndf 1.862e+04 / 26
p0 110.6 ± 0.1566
220
200
180
160
140
120
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

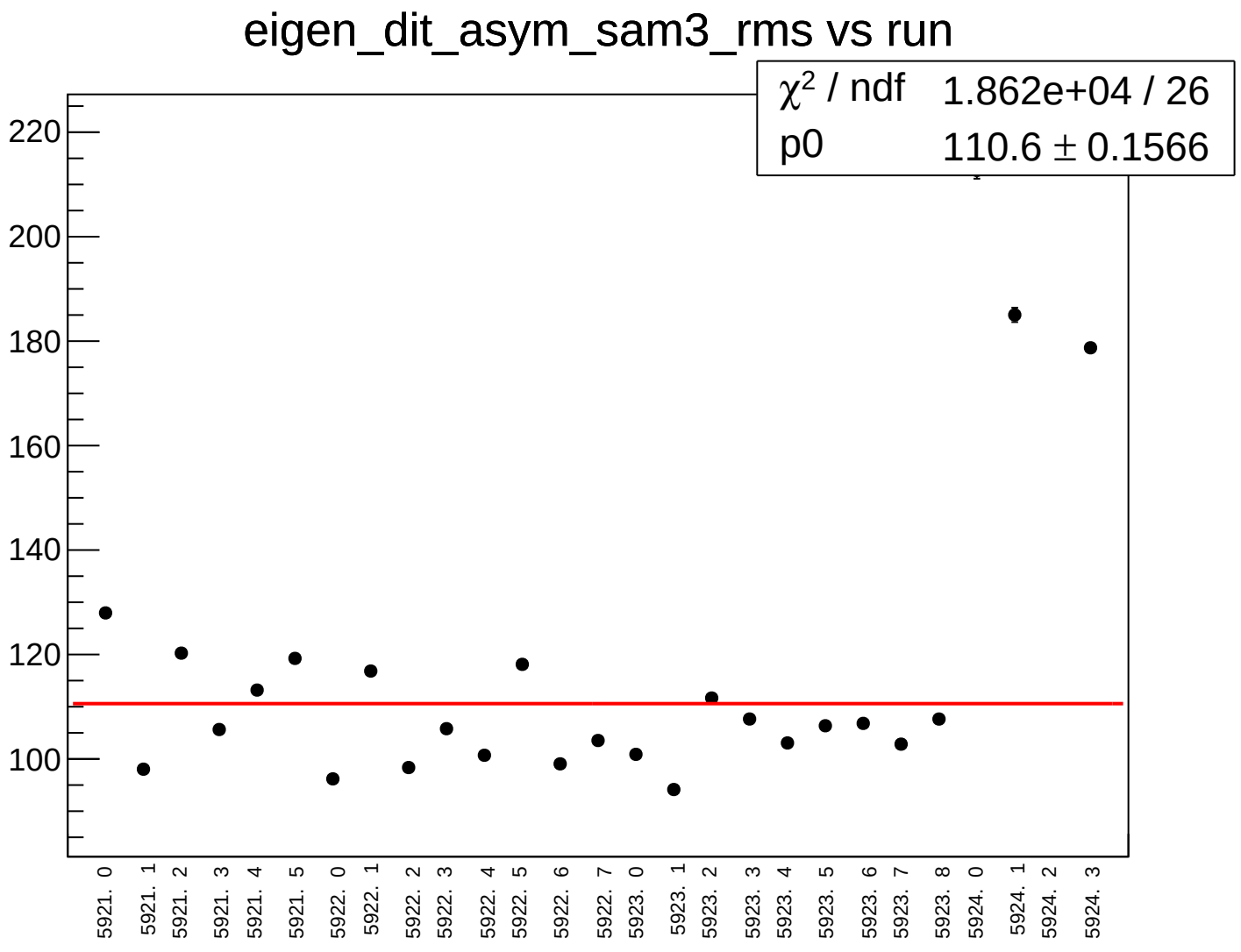

asym_sam3_dit_correction_mean vs run
χ² / ndf 21.55 / 26
p0 −1218 ± 3032
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 48.38
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

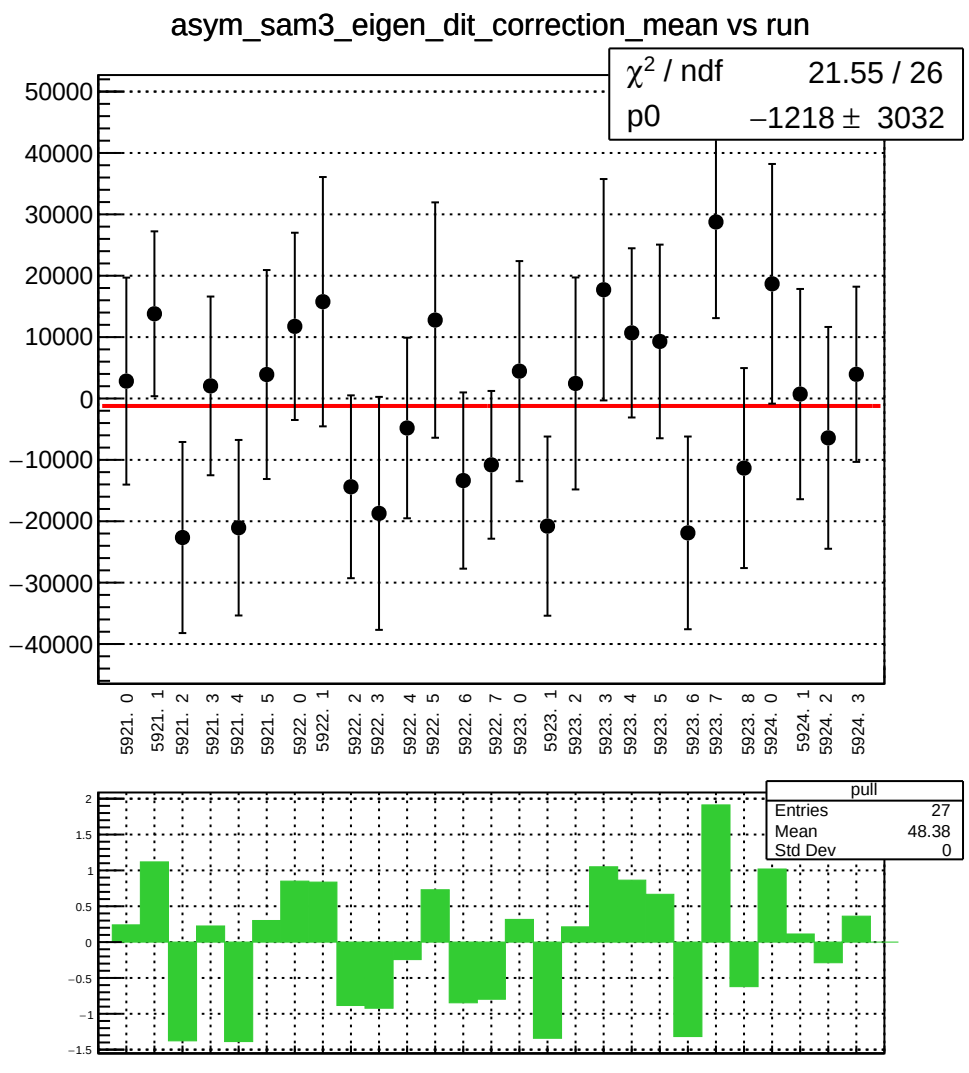

pull1D
Entries 27
Mean 0.02937
Std Dev 0.8929
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

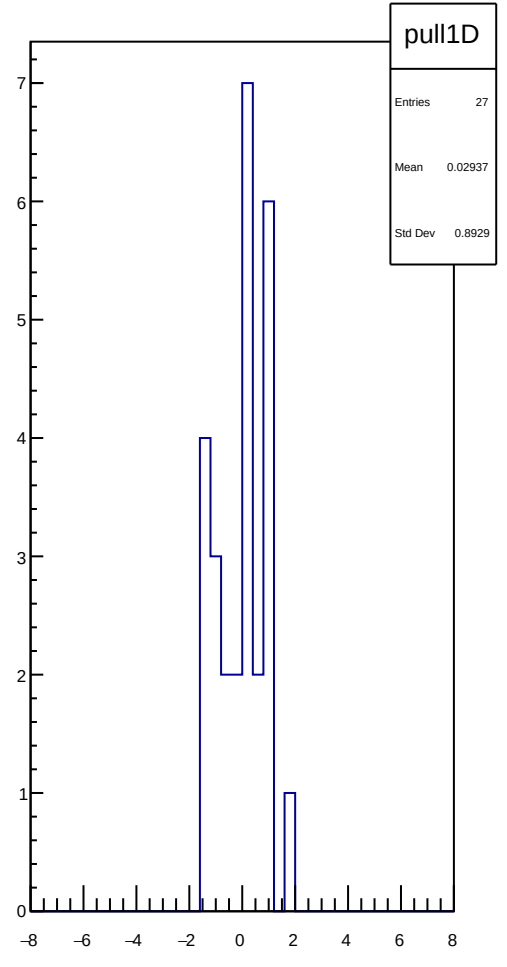

asym_sam3_dit_correction_rms vs run
χ² / ndf 6604 / 26
p0 1532 ± 2.144
2000
1900
1800
1700
1600
1500
1400
1300
1200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

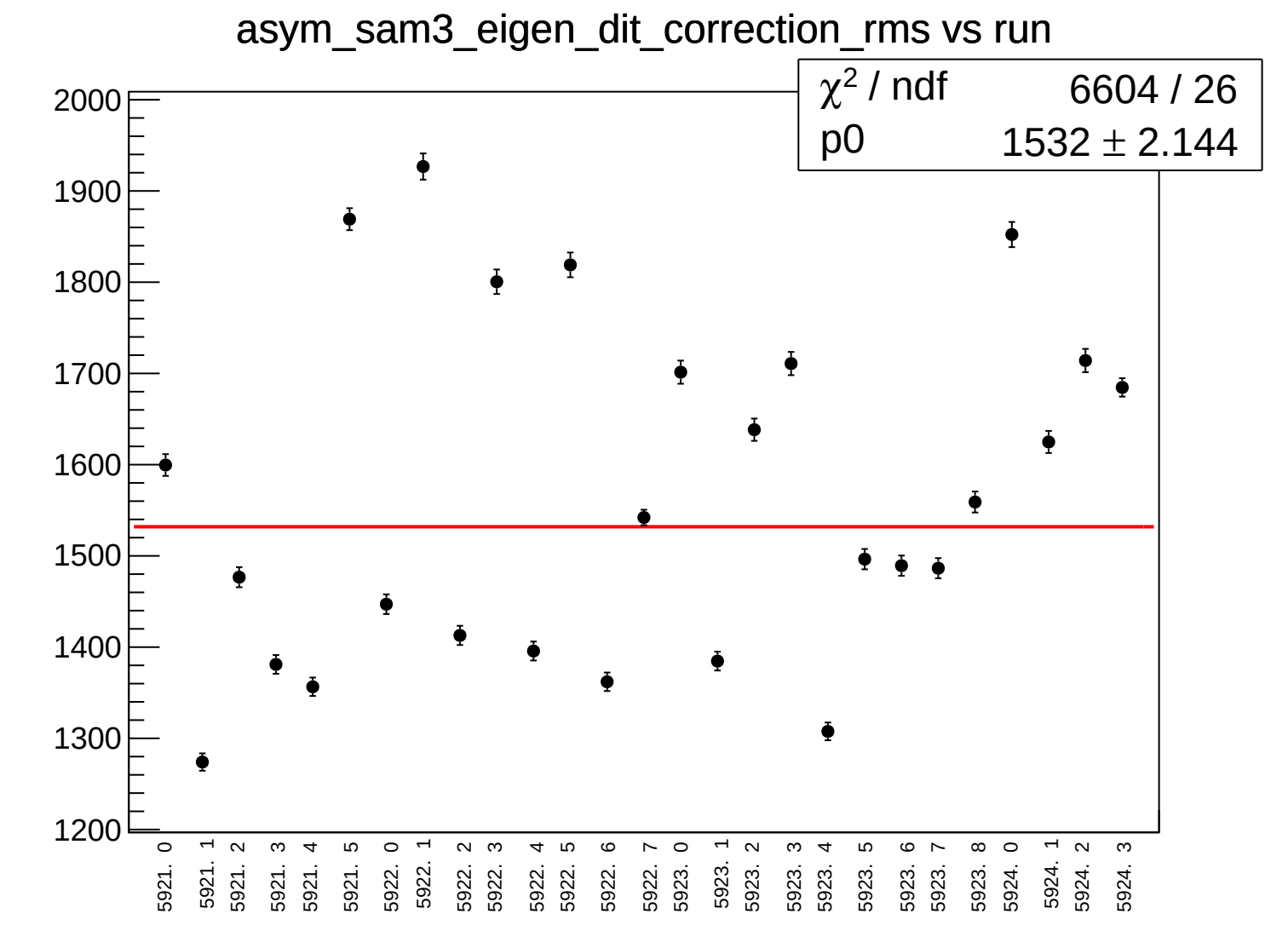

eigen_dit_asym_sam3_mean vs run
χ² / ndf 13.64 / 26
p0 −434.1± 221.5
2000
1000
0
−1000
−2000
−3000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −74.72
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

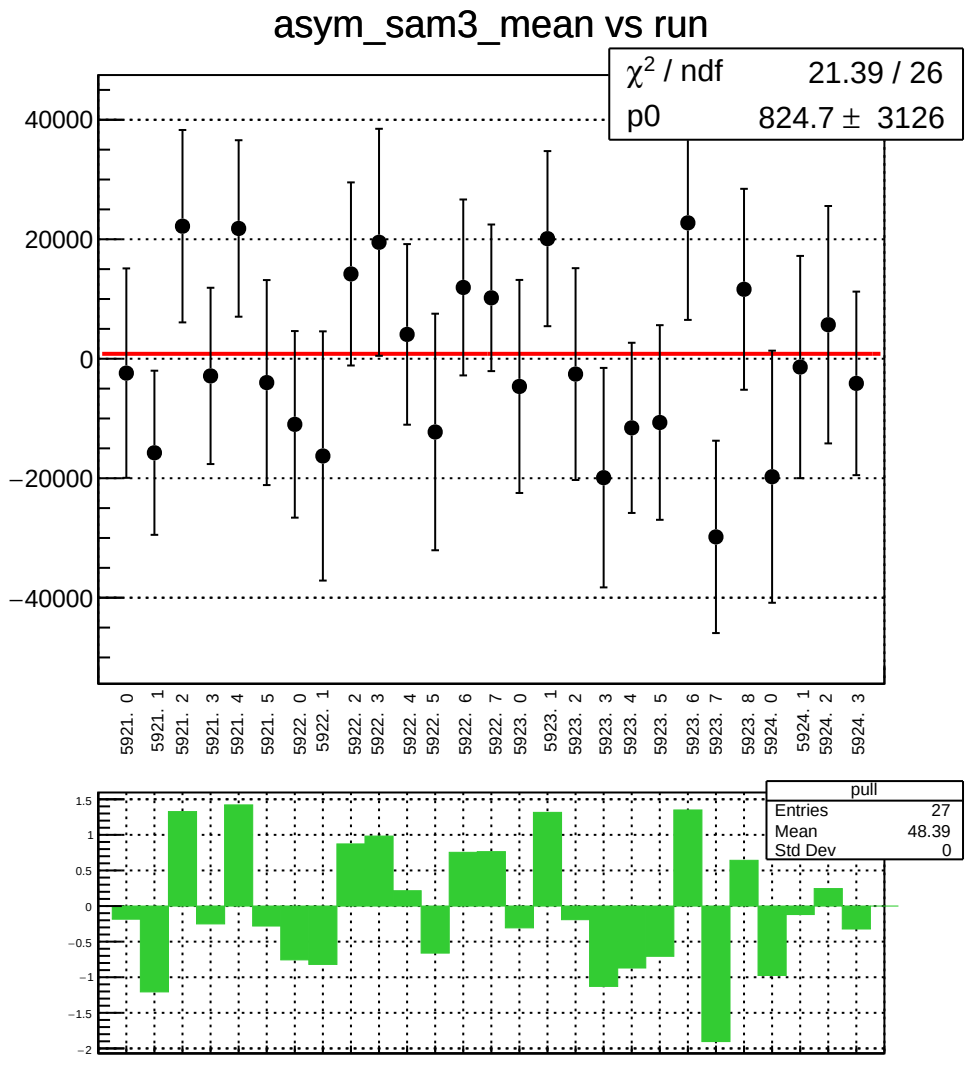

pull1D
Entries 27
Mean 0.007941
Std Dev 0.7108
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

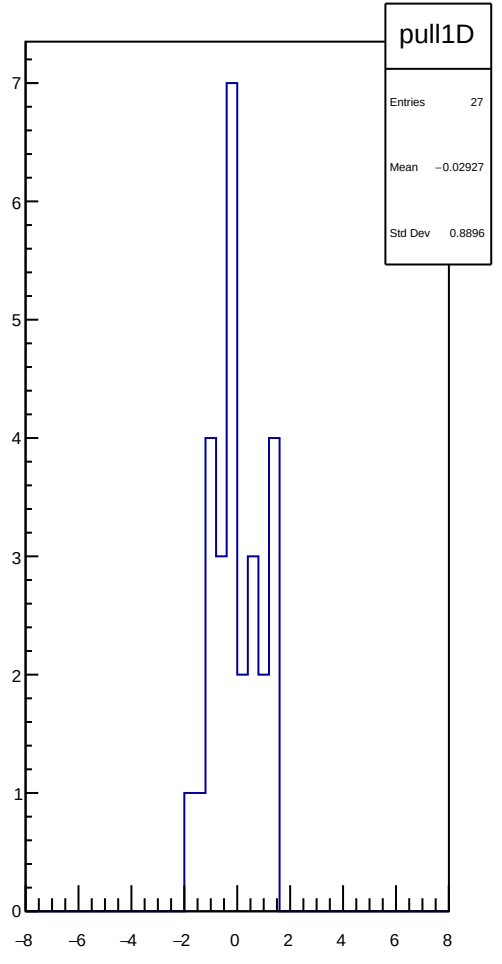

eigen_dit_asym_sam3_rms vs run
χ² / ndf 1.862e+04 / 26
p0 110.6 ± 0.1566
220
200
180
160
140
120
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

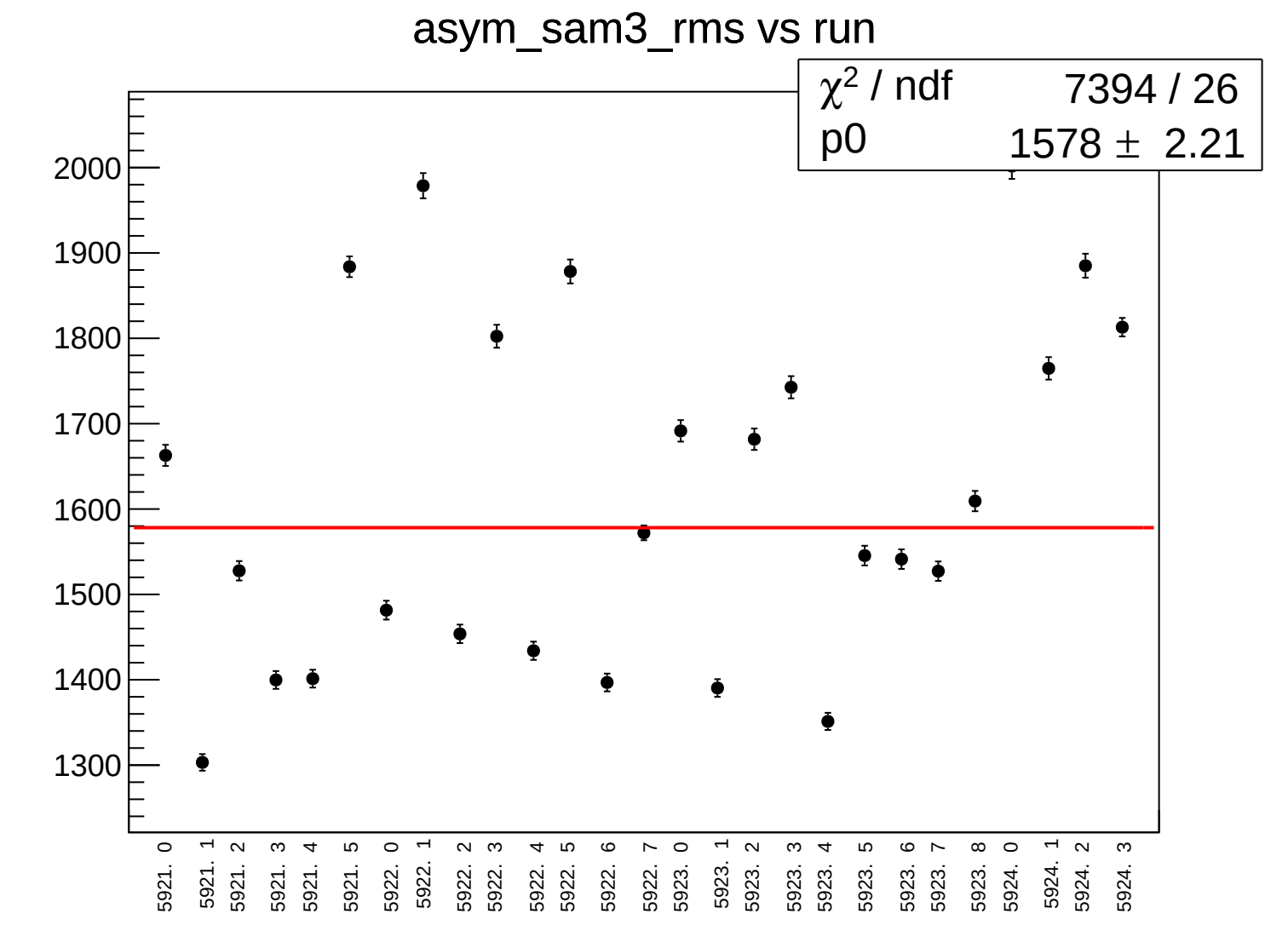

asym_sam3_eigen_dit_correction_mean vs run
χ² / ndf 21.55 / 26
p0 −1218 ± 3032
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 48.38
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

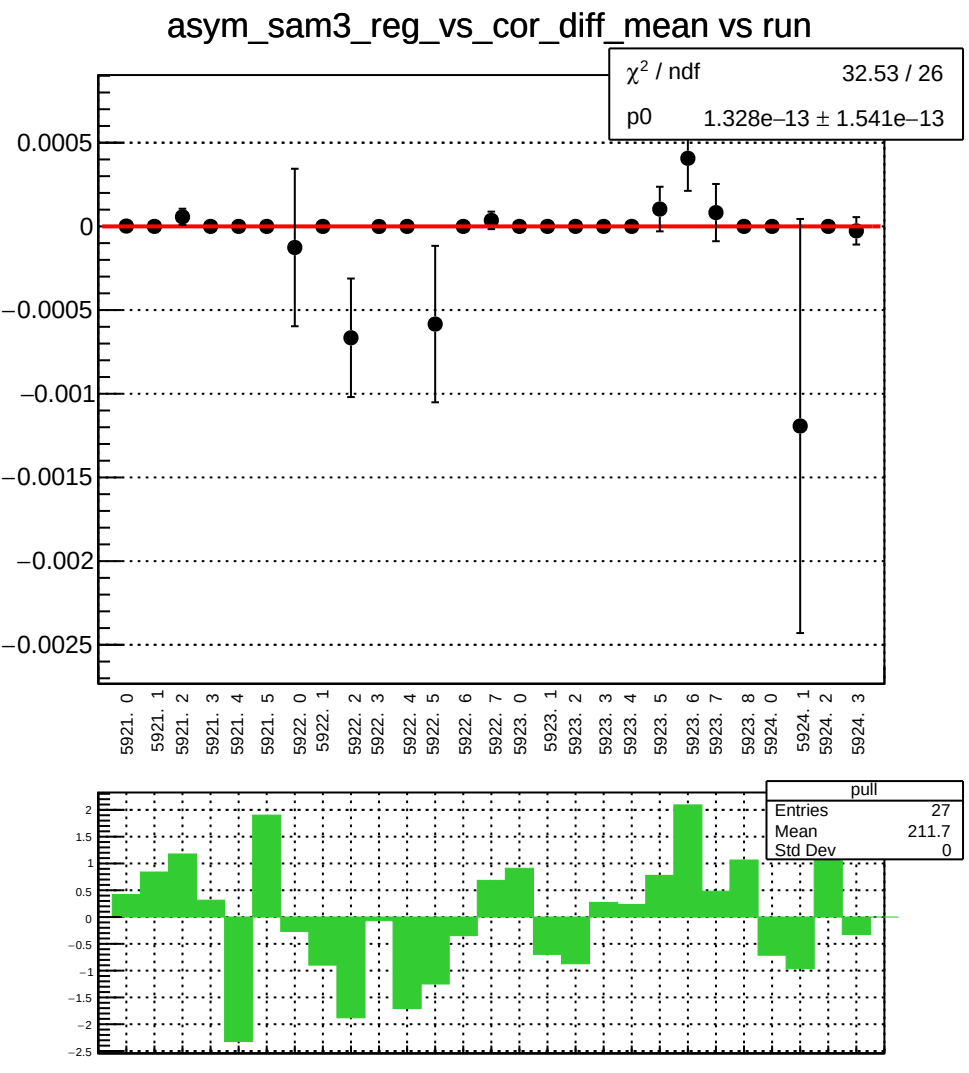

pull1D
Entries 27
Mean 0.02937
Std Dev 0.8929
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

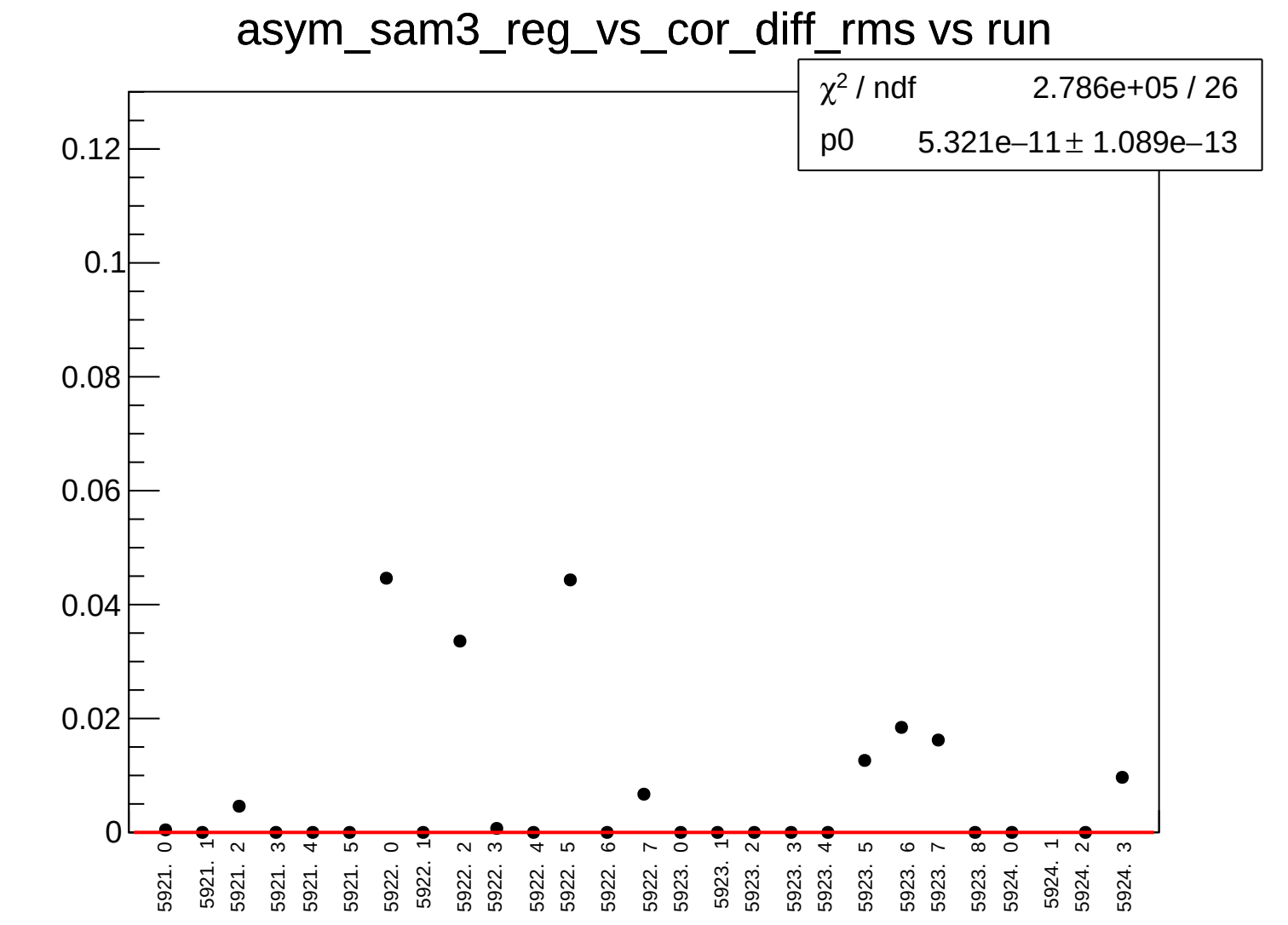

asym_sam3_eigen_dit_correction_rms vs run
χ² / ndf 6604 / 26
p0 1532 ± 2.144
2000
1900
1800
1700
1600
1500
1400
1300
1200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

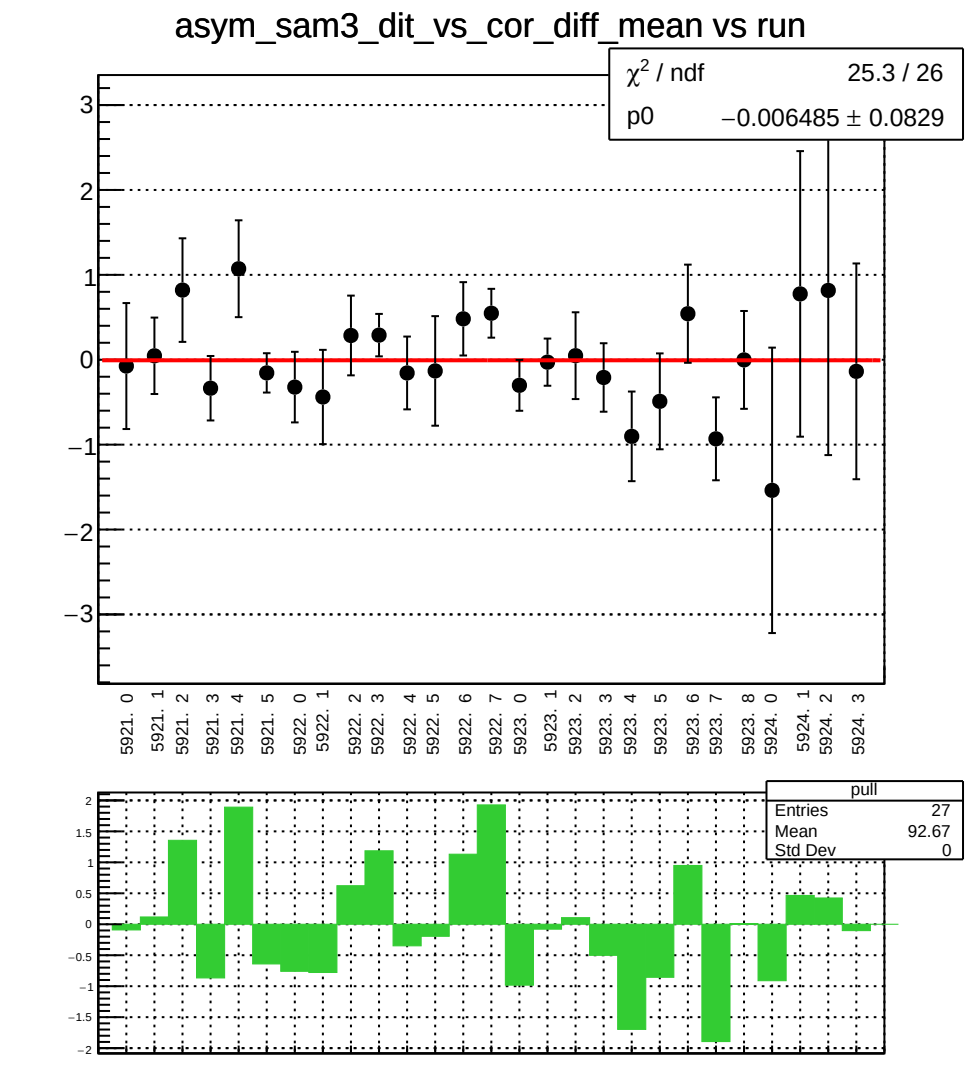

asym_sam3_mean vs run
χ² / ndf 21.39 / 26
p0 824.7 ± 3126
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 48.39
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

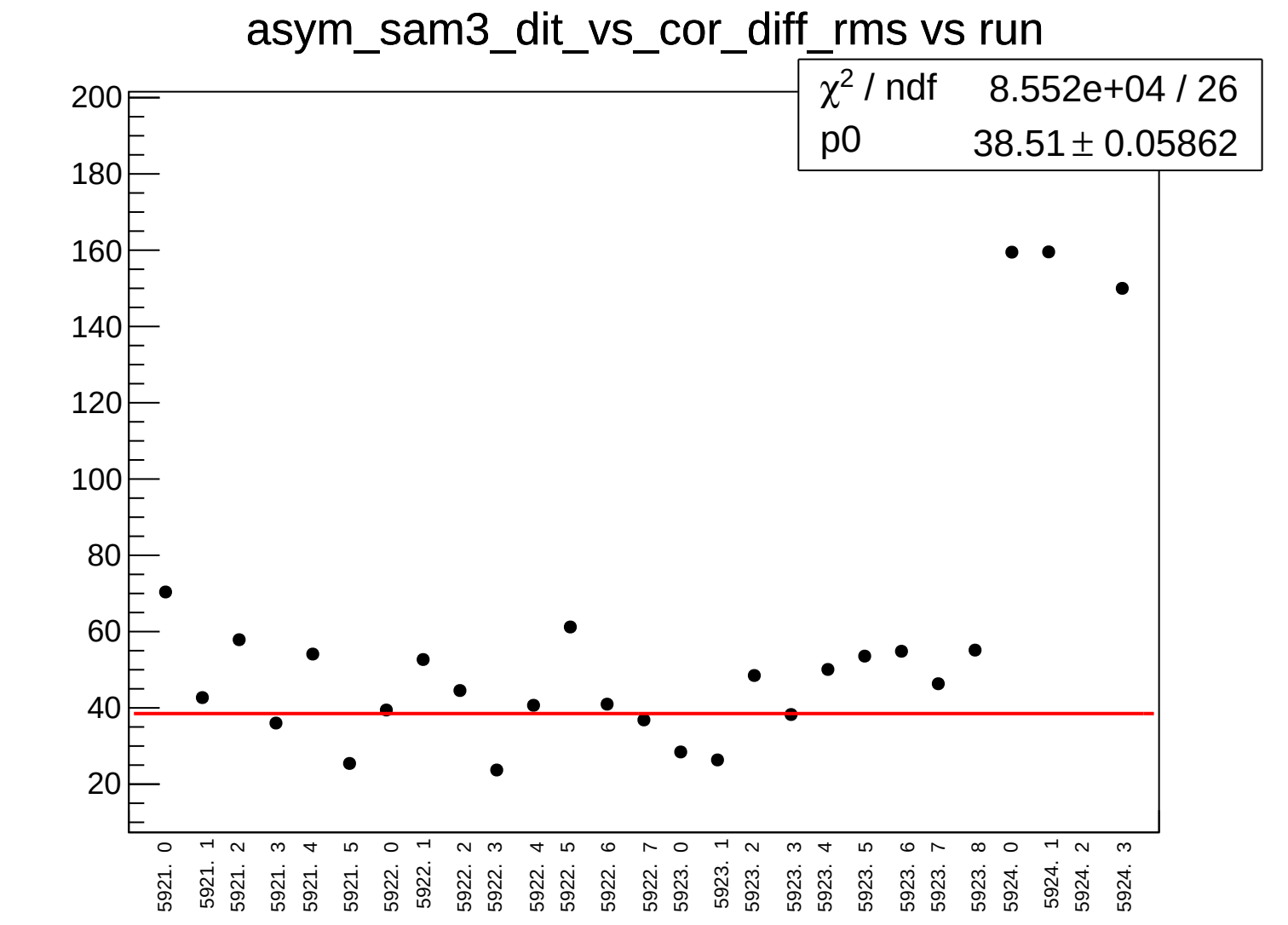

pull1D
Entries 27
Mean −0.02927
Std Dev 0.8896
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

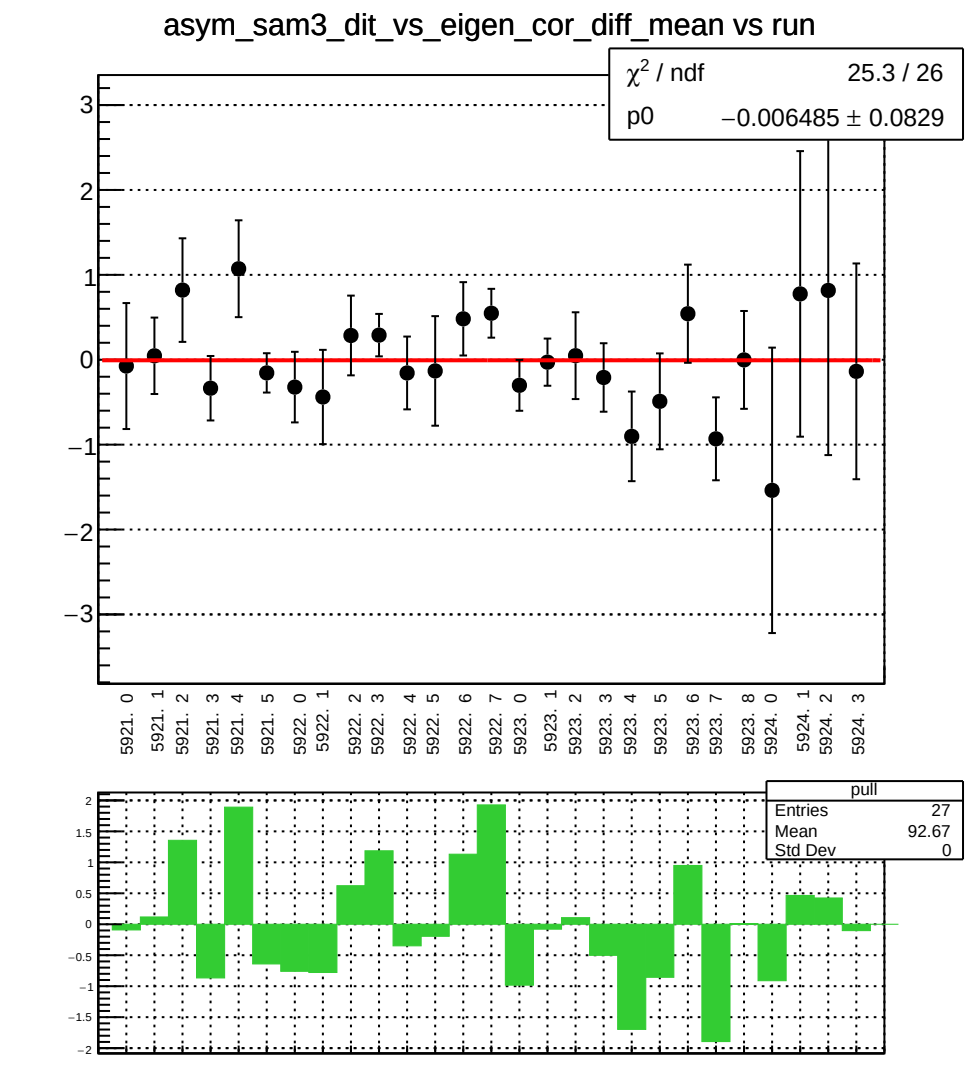

asym_sam3_rms vs run
χ² / ndf 7394 / 26
p0 1578 ± 2.21
2000
1900
1800
1700
1600
1500
1400
1300
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

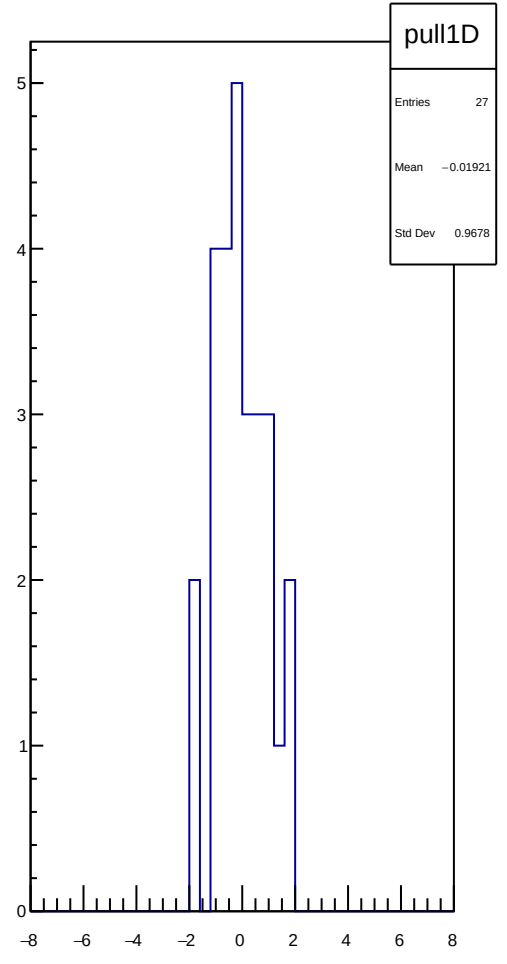

asym_sam3_reg_vs_cor_diff_mean vs run
χ² / ndf 32.53 / 26
p0 1.328e−13 ± 1.541e−13
0.0005
0
−0.0005
−0.001
−0.0015
−0.002
−0.0025
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 211.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean 0.004485
Std Dev 1.098
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

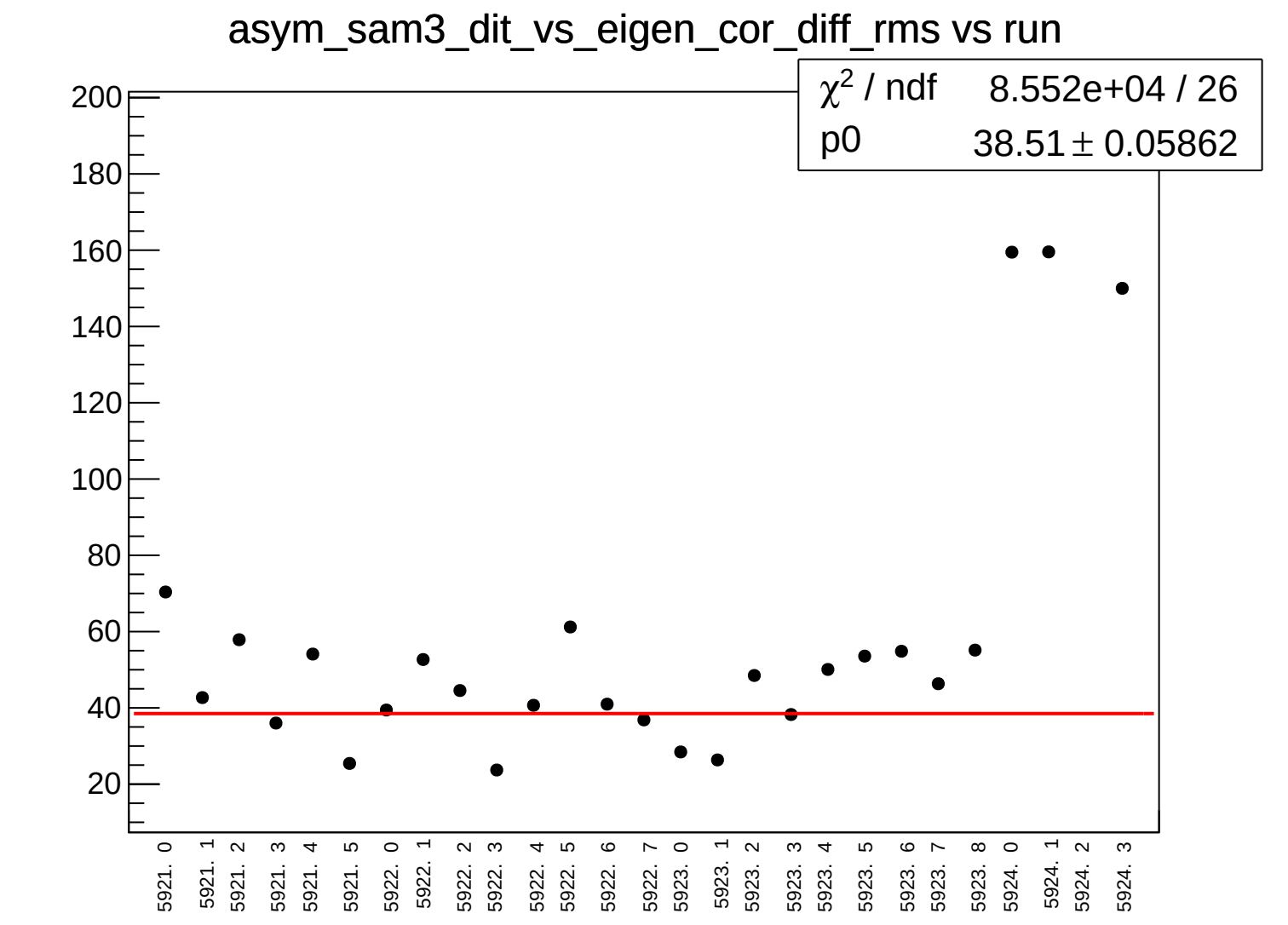

asym_sam3_reg_vs_cor_diff_rms vs run
χ² / ndf 2.786e+05 / 26
p0 5.321e−11 ± 1.089e−13
0.12
0.1
0.08
0.06
0.04
0.02
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

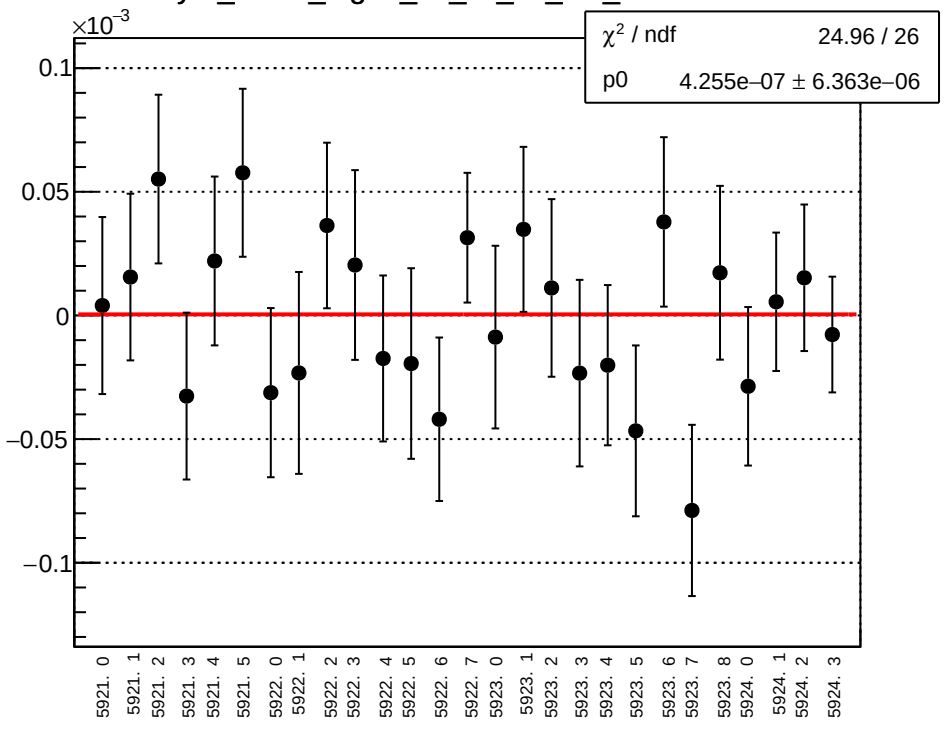

asym_sam3_dit_vs_cor_diff_mean vs run
χ² / ndf 25.3 / 26
p0 −0.006485 ± 0.0829
pull
Entries 27
Mean 92.67
Std Dev 0
pull1D
Entries 27
Mean −0.01921
Std Dev 0.9678

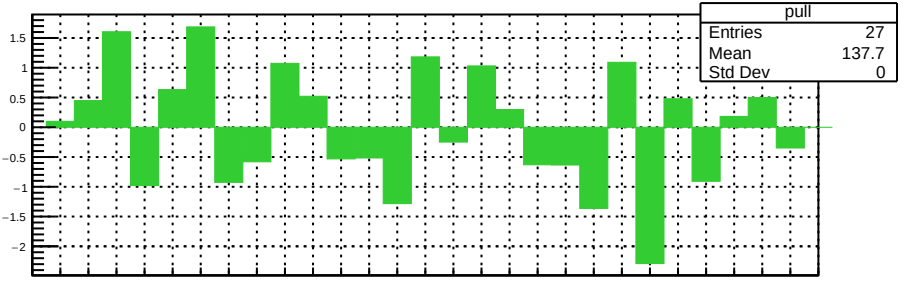

asym_sam3_dit_vs_cor_diff_rms vs run
χ² / ndf 8.552e+04 / 26
p0 38.51 ± 0.05862
200
180
160
140
120
100
80
60
40
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

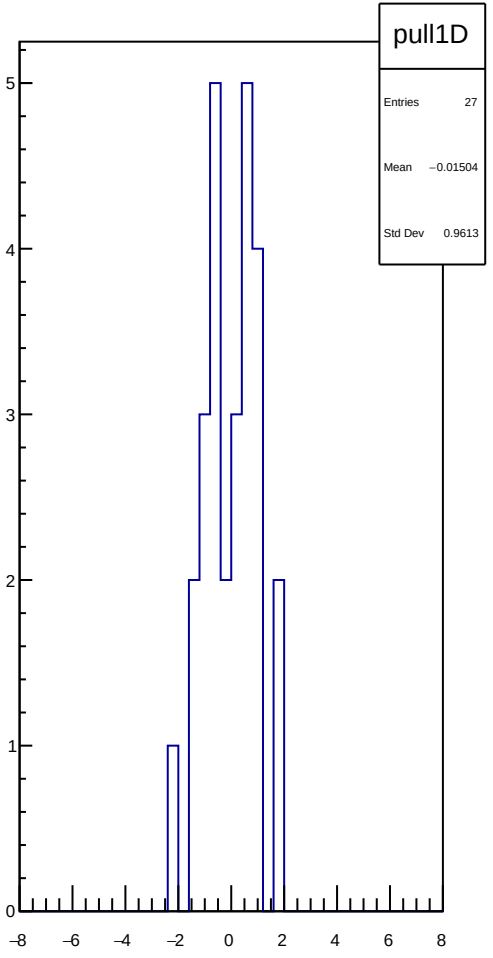

asym_sam3_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 25.3 / 26
p0 −0.006485 ± 0.0829
3
2
1
0
−1
−2
−3
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 92.67
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

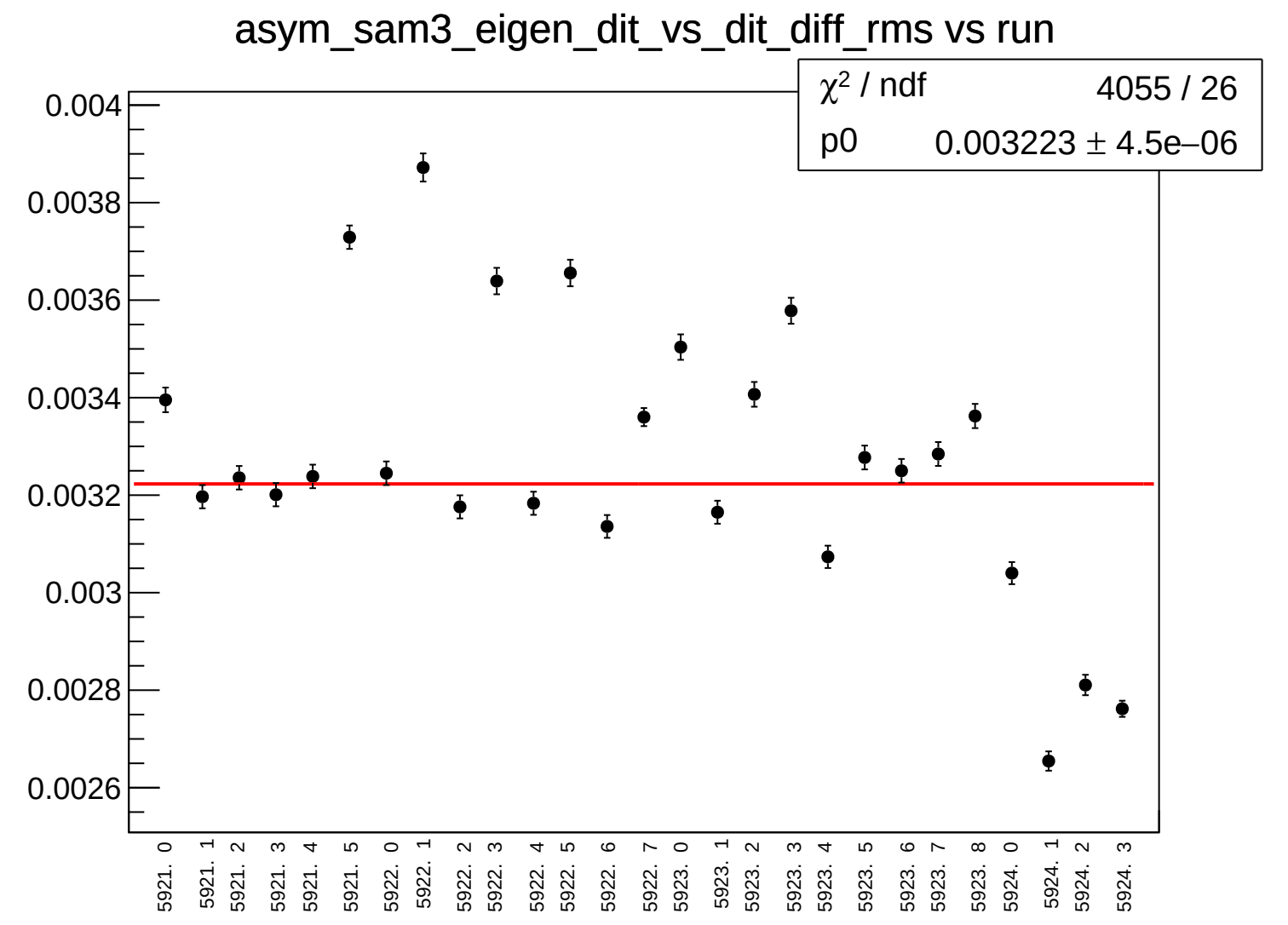

pull1D
Entries 27
Mean −0.01921
Std Dev 0.9678
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

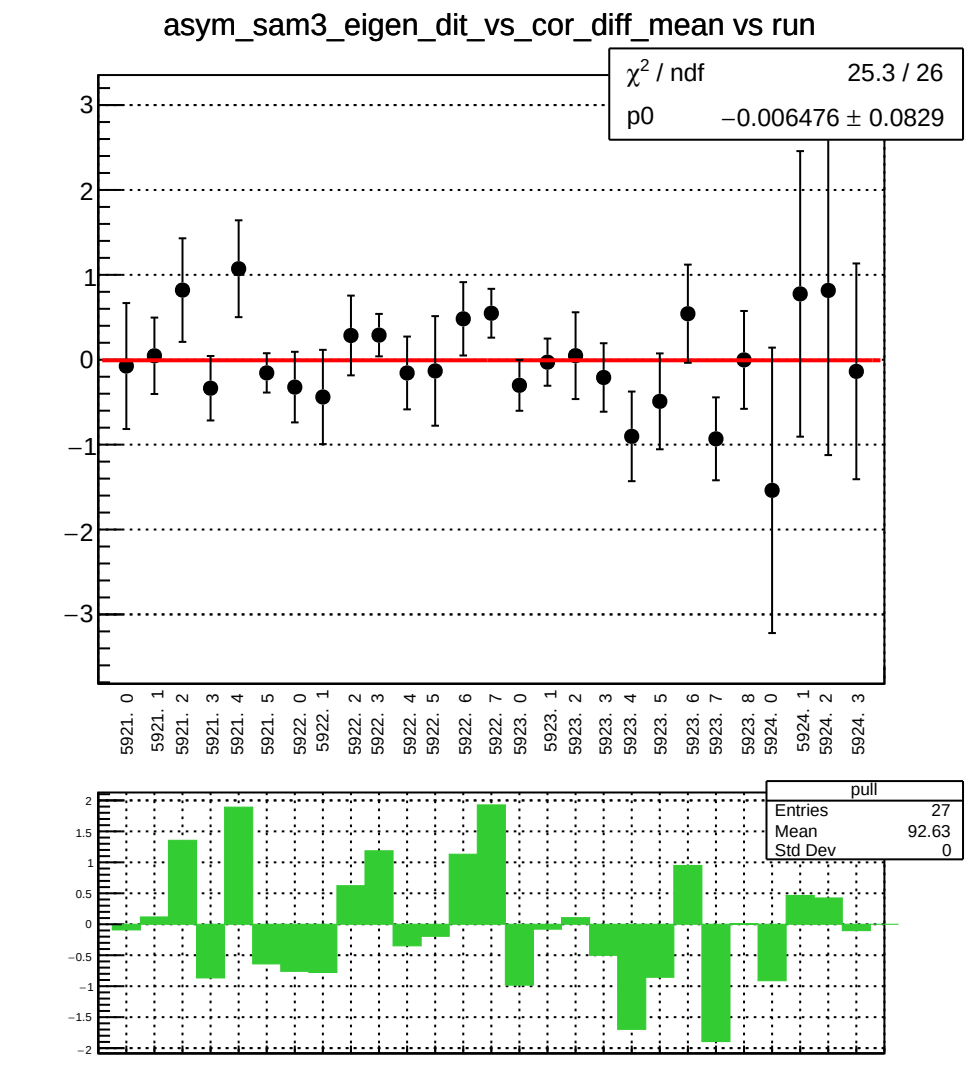

asym_sam3_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.552e+04 / 26
p0 38.51 ± 0.05862
200
180
160
140
120
100
80
60
40
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

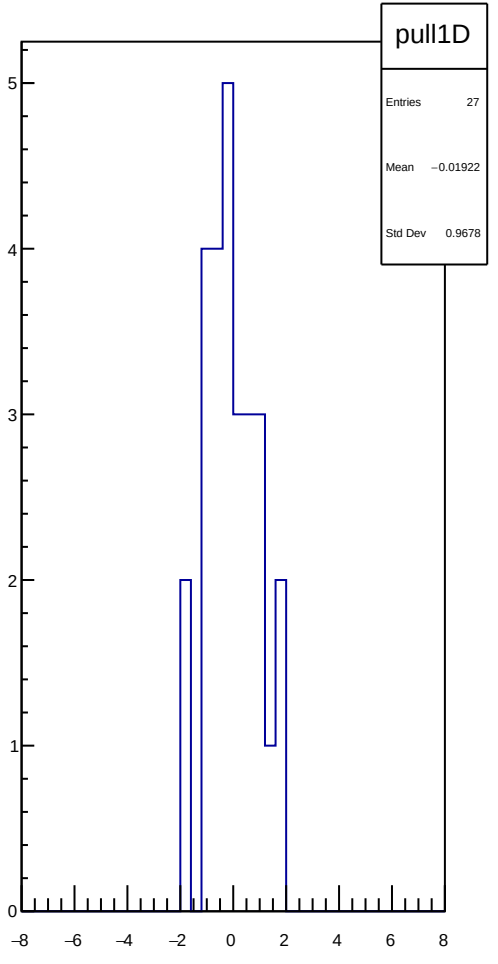

asym_sam3_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 24.96 / 26
p0 4.255e−07 ± 6.363e−06
0.1
0.05
0
−0.05
−0.1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

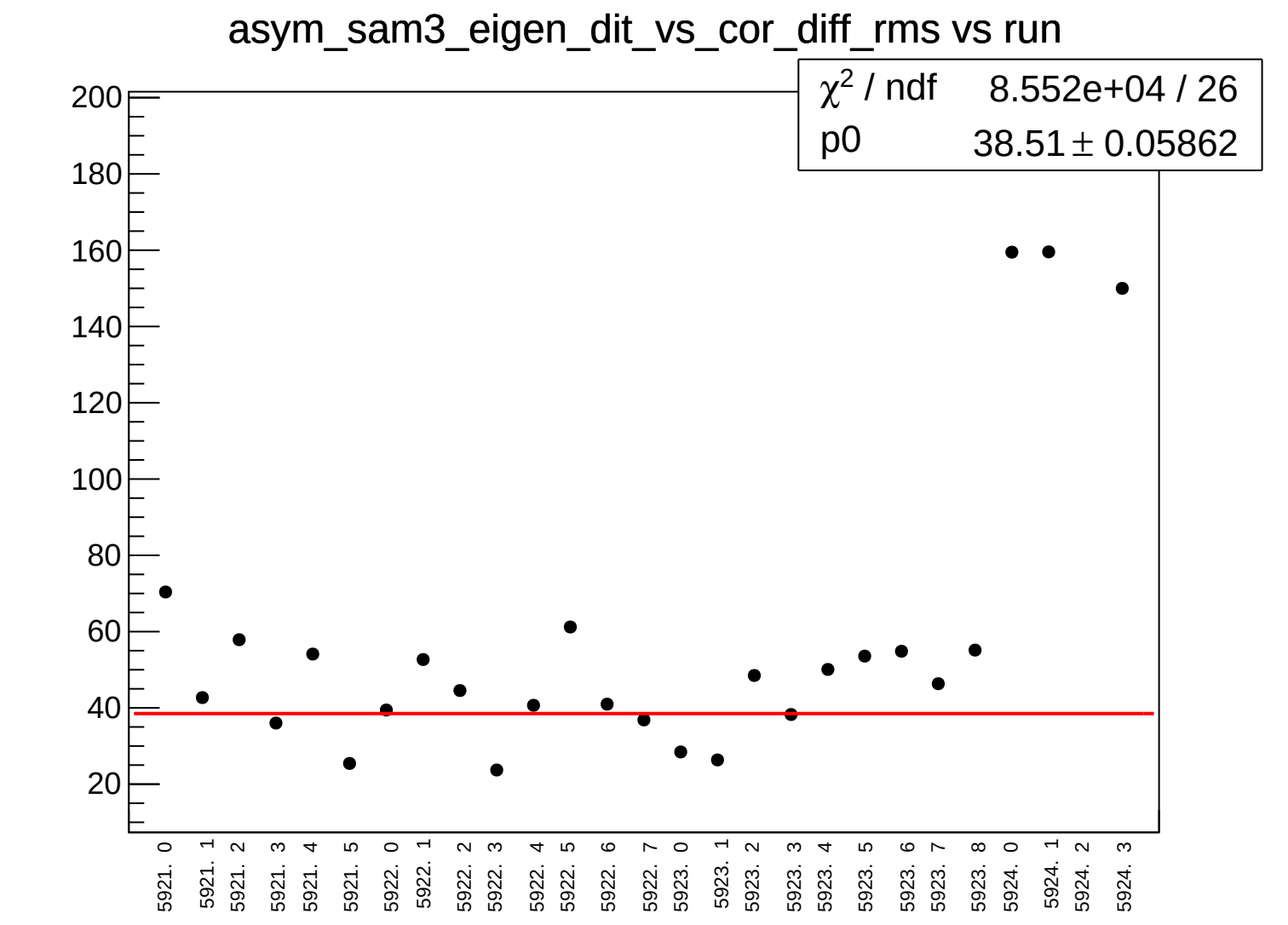

pull
Entries 27
Mean 137.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

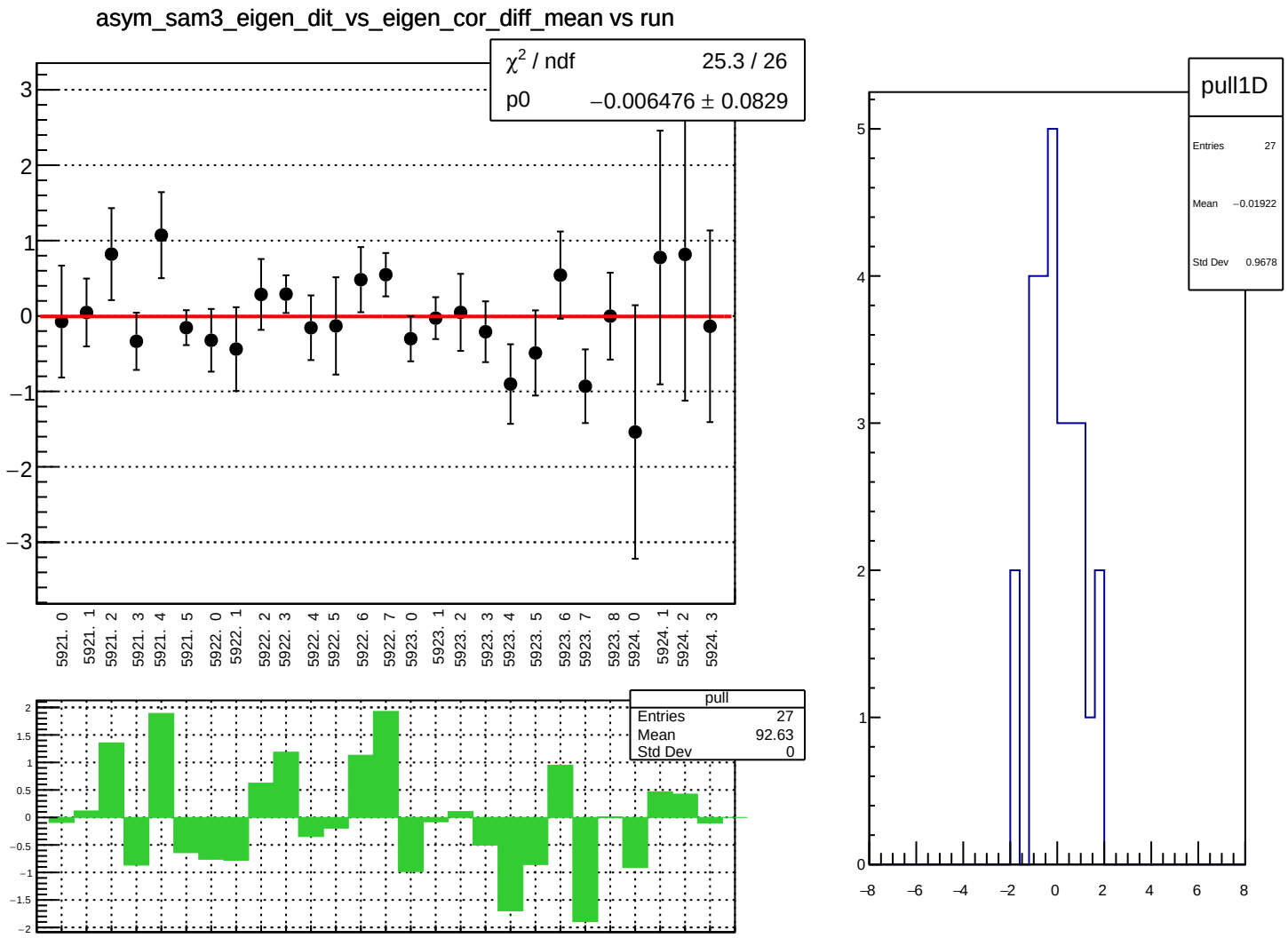

pull1D
Entries 27
Mean −0.01504
Std Dev 0.9613
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

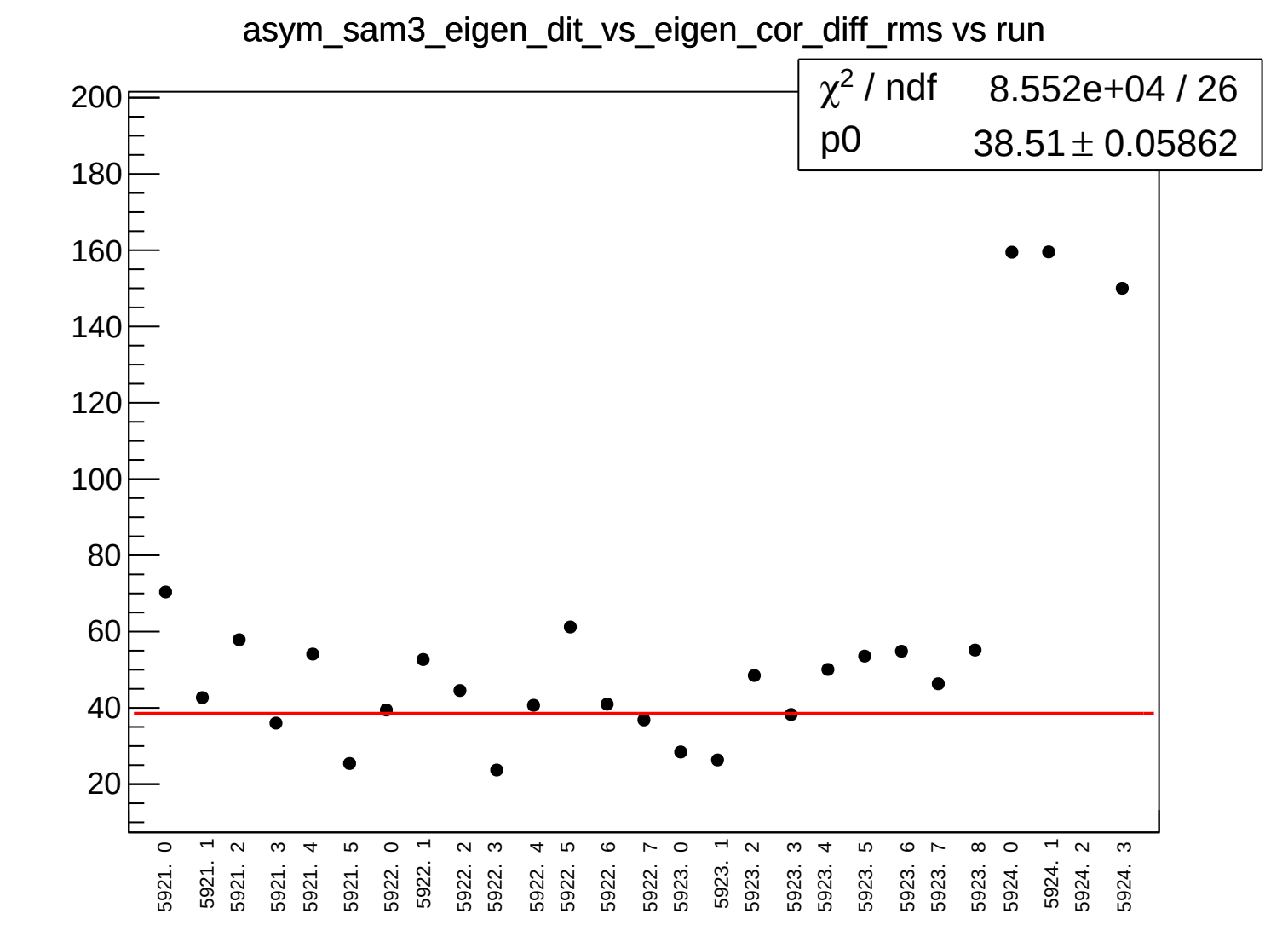

asym_sam3_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4055 / 26
p0 0.003223 ± 4.5e−06
0.004
0.0038
0.0036
0.0034
0.0032
0.003
0.0028
0.0026
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

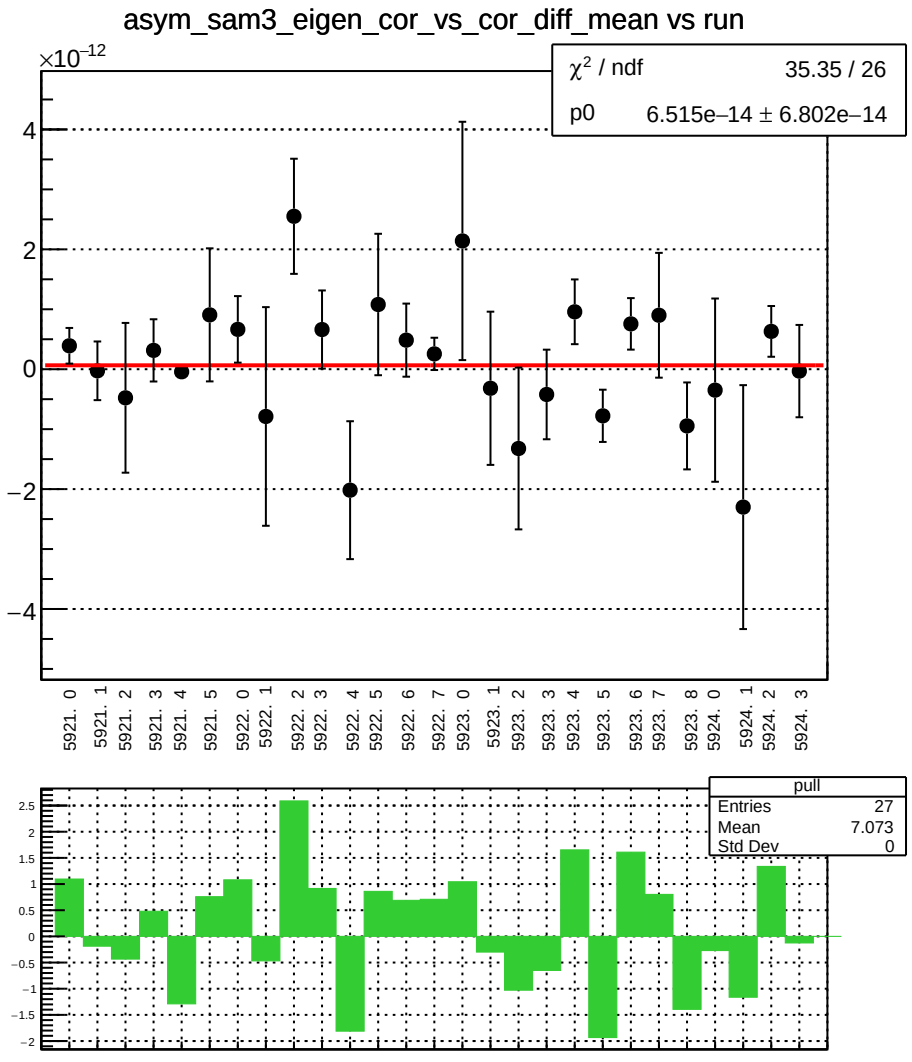

asym_sam3_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 25.3 / 26
p0 −0.006476 ± 0.0829
3
2
1
0
−1
−2
−3
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 92.63
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

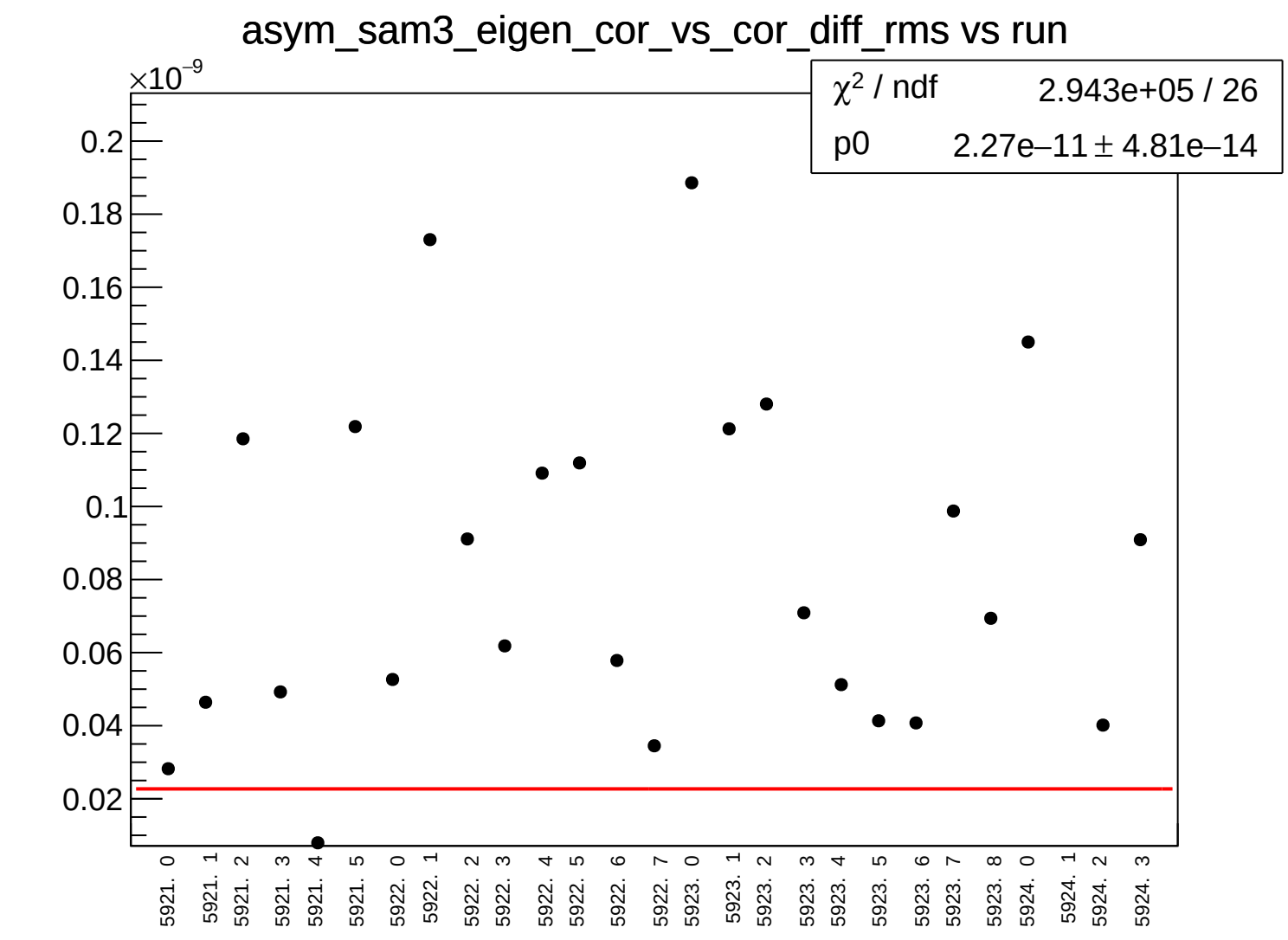

pull1D
Entries 27
Mean −0.01922
Std Dev 0.9678
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

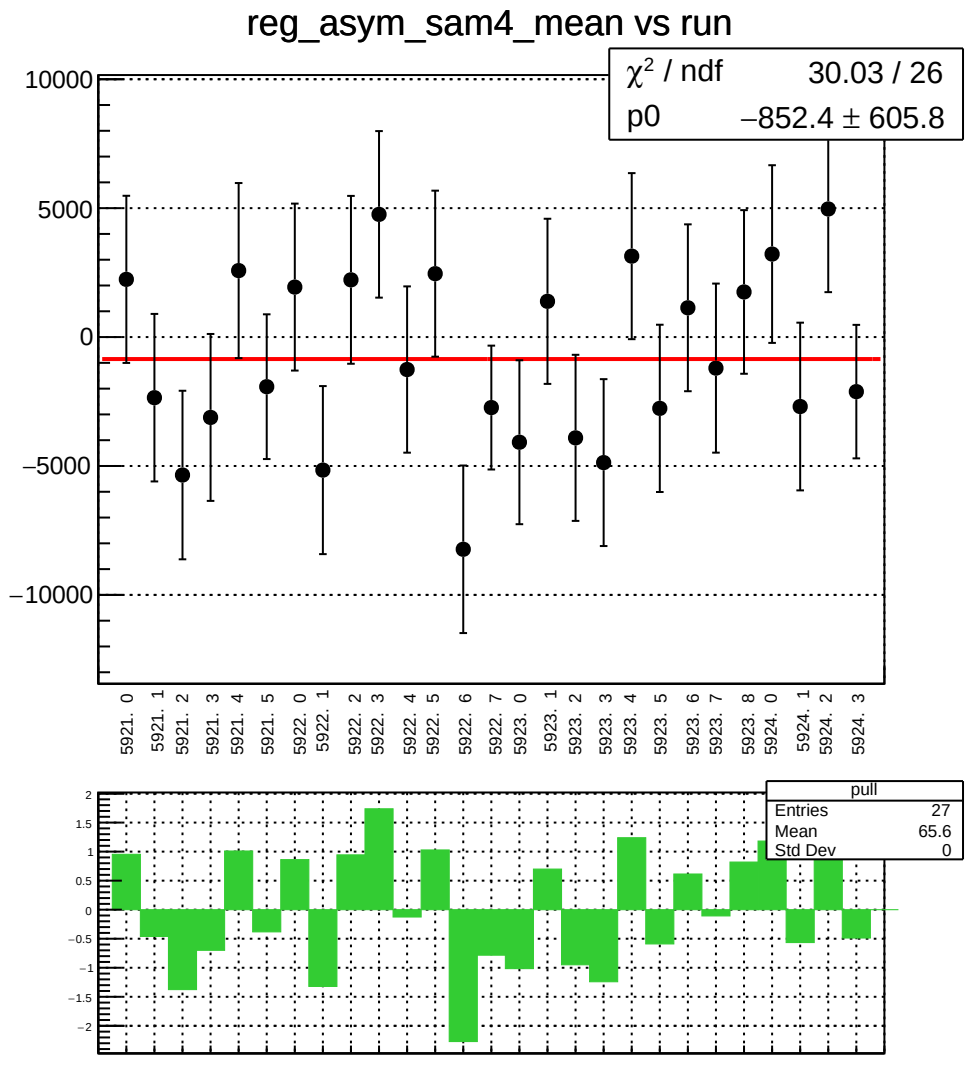

asym_sam3_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.552e+04 / 26
p0 38.51 ± 0.05862
200
180
160
140
120
100
80
60
40
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

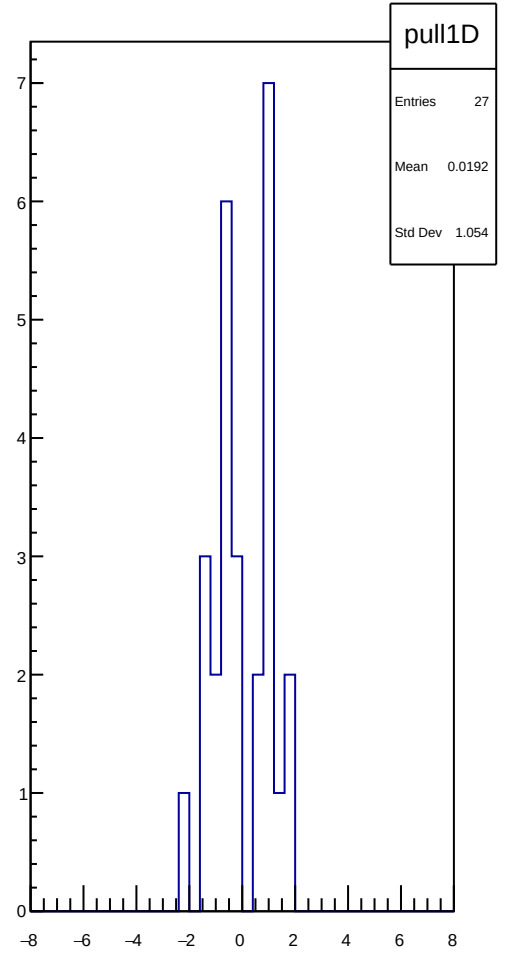

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 25.3 / 26
p0 −0.006476 ± 0.0829
3
2
1
0
−1
−2
−3
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 92.63
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.01922
Std Dev 0.9678
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

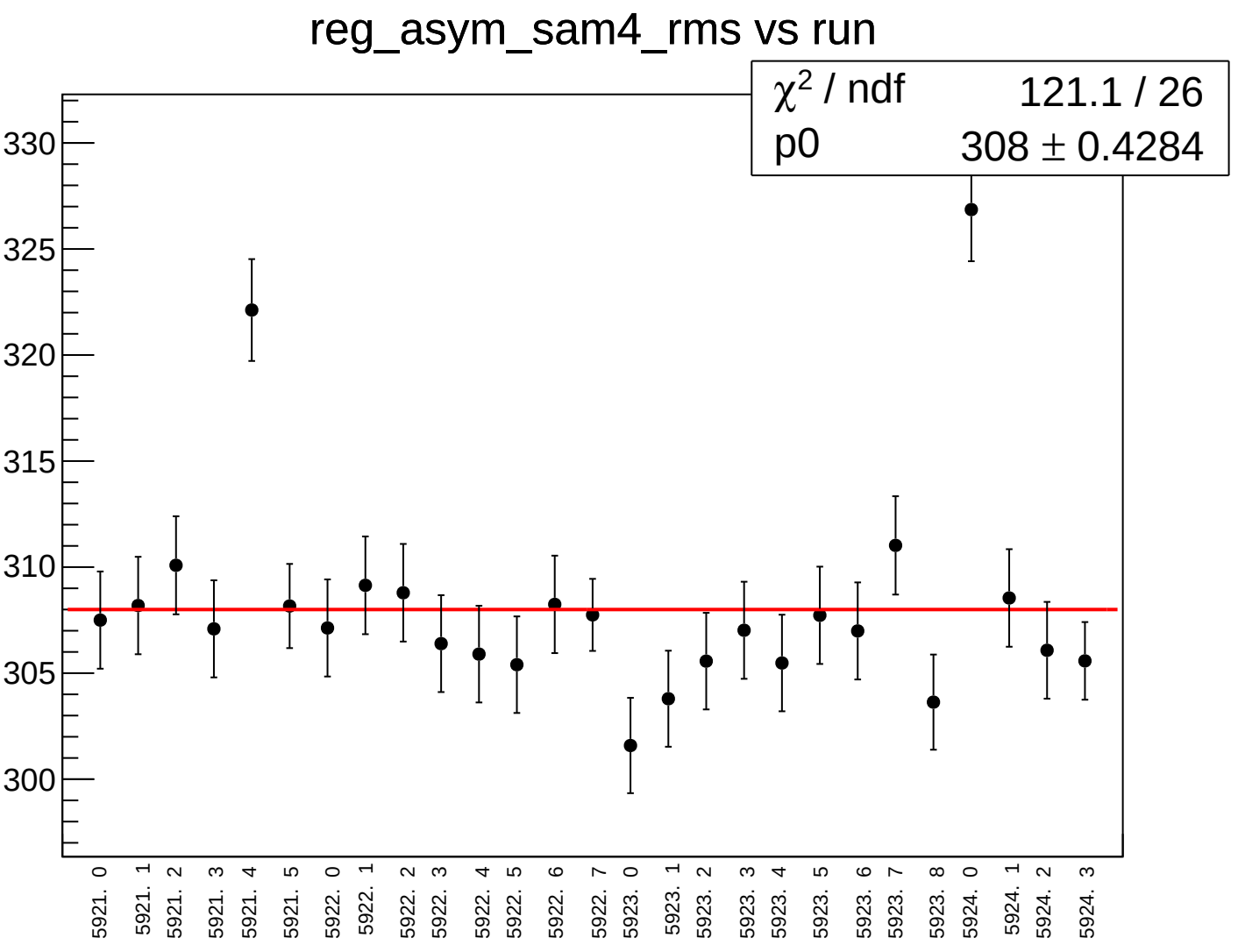

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.552e+04 / 26
p0 38.51 ± 0.05862
200
180
160
140
120
100
80
60
40
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

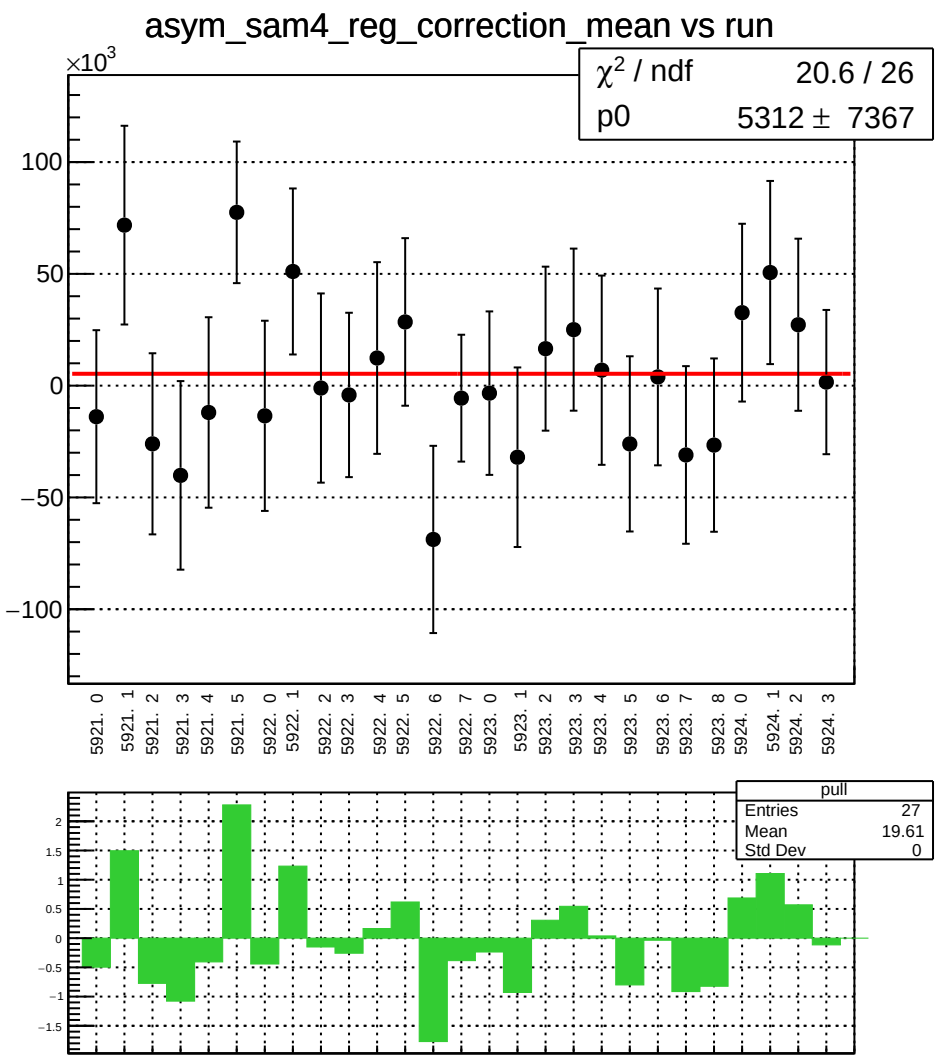

asym_sam3_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 35.35 / 26
p0 6.515e−14 ± 6.802e−14
4
2
0
−2
−4
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 7.073
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean 0.1691
Std Dev 1.132
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

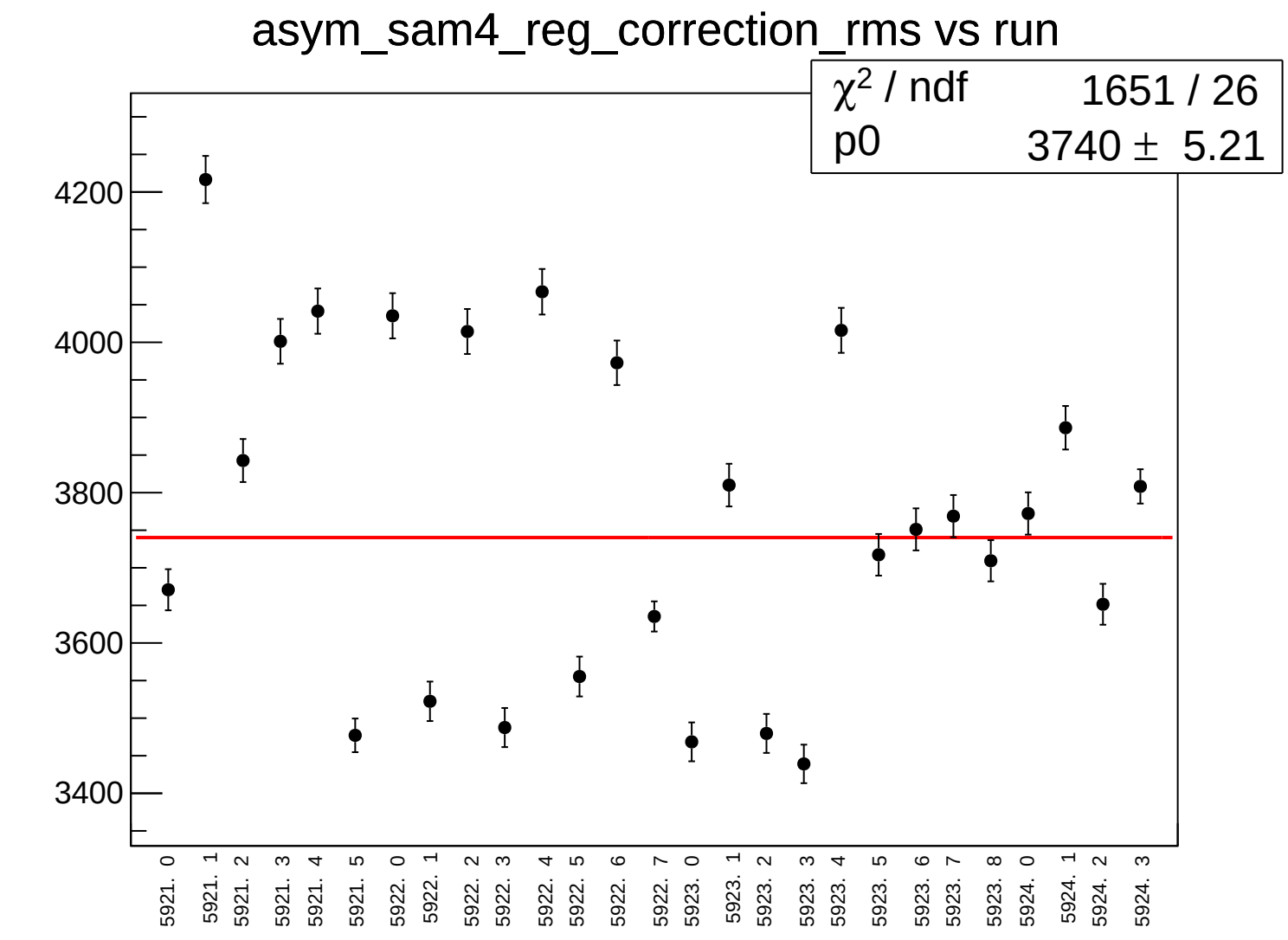

asym_sam3_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.943e+05 / 26
p0 2.27e−11 ± 4.81e−14
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


reg_asym_sam4_mean vs run
χ² / ndf 30.03 / 26
p0 −852.4 ± 605.8
10000
5000
0
−5000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 65.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 27
Mean 0.0192
Std Dev 1.054
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam4_rms vs run
χ^2 / ndf 121.1 / 26
p0 308 ± 0.4284
330
325
320
315
310
305
300
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


asym_sam4_reg_correction_mean vs run
×10^3
χ^2 / ndf 20.6 / 26
p0 5312 ± 7367
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 19.61
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.0211
Std Dev 0.8732
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam4_reg_correction_rms vs run
χ² / ndf 1651 / 26
p0 3740 ± 5.21
4200
4000
3800
3600
3400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
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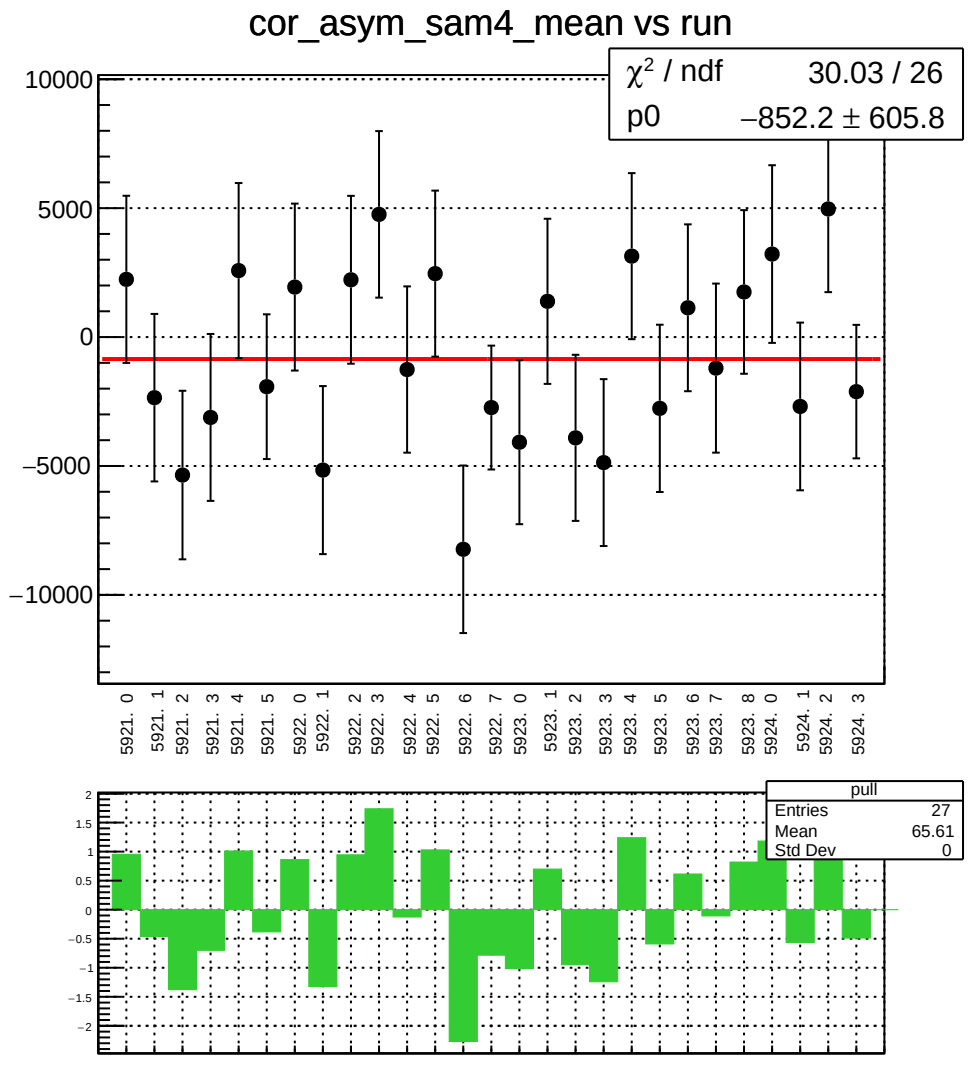
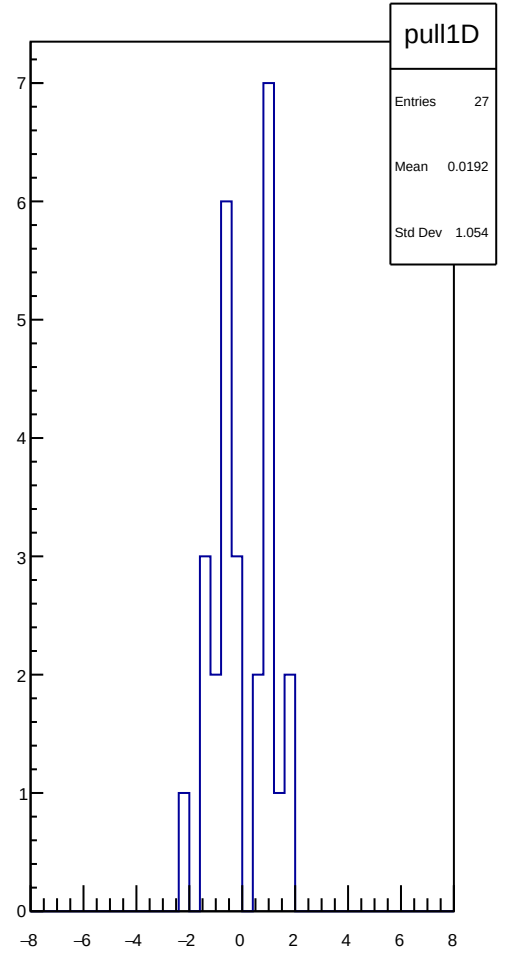
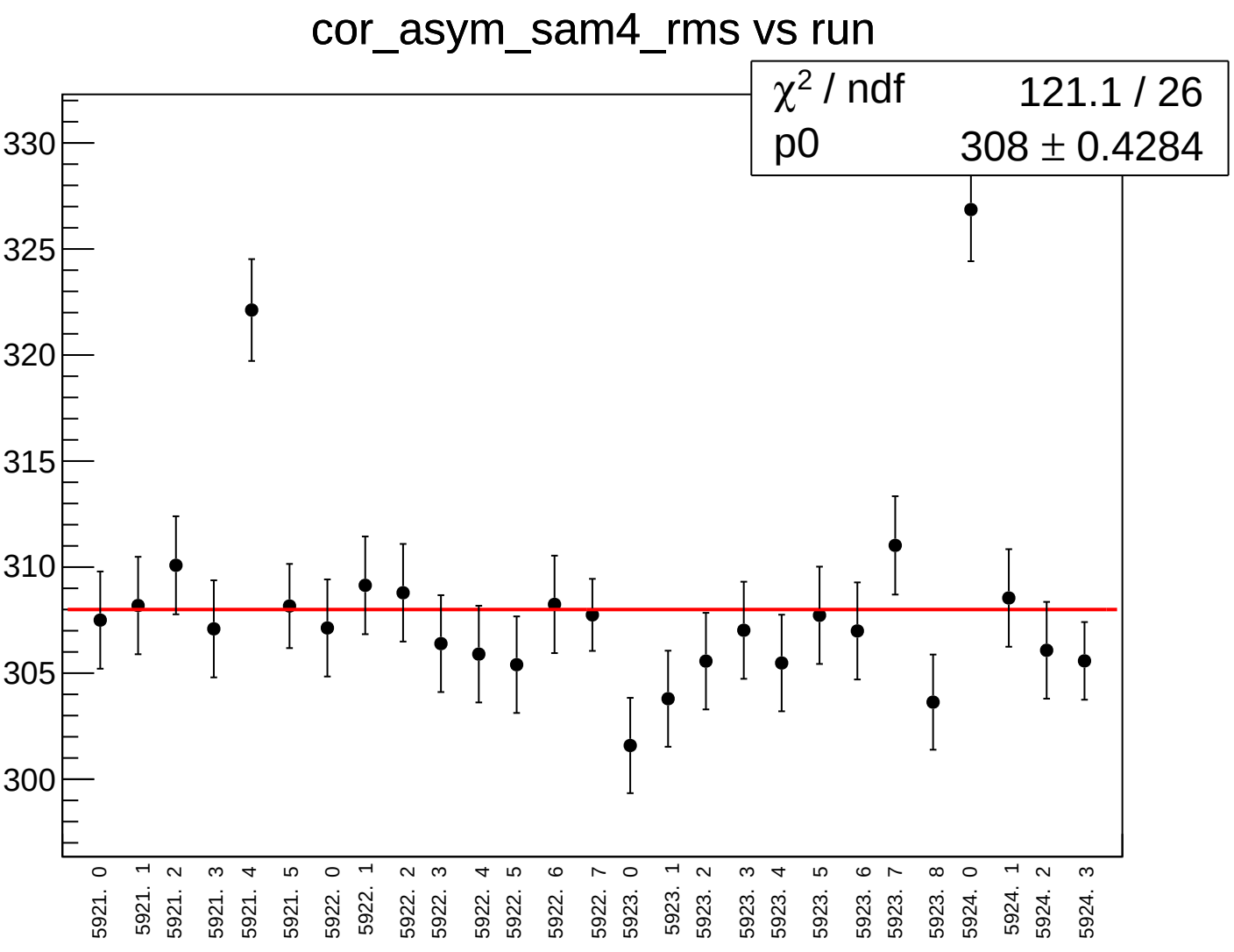
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


cor_asym_sam4_mean vs run
χ² / ndf 30.03 / 26
p0 −852.2 ± 605.8
10000
5000
0
−5000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 65.61
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 27
Mean 0.0192
Std Dev 1.054
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam4_rms vs run
χ² / ndf 121.1 / 26
p0 308 ± 0.4284
330
325
320
315
310
305
300
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
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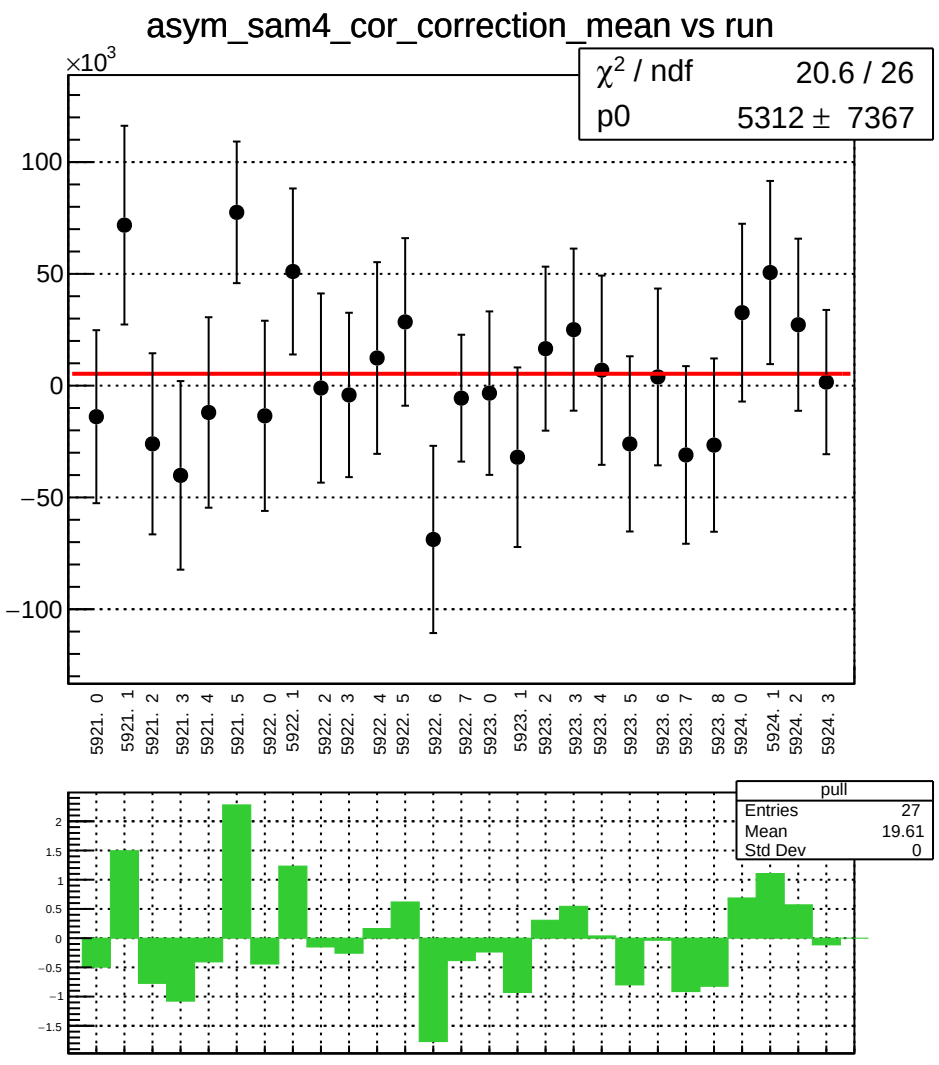
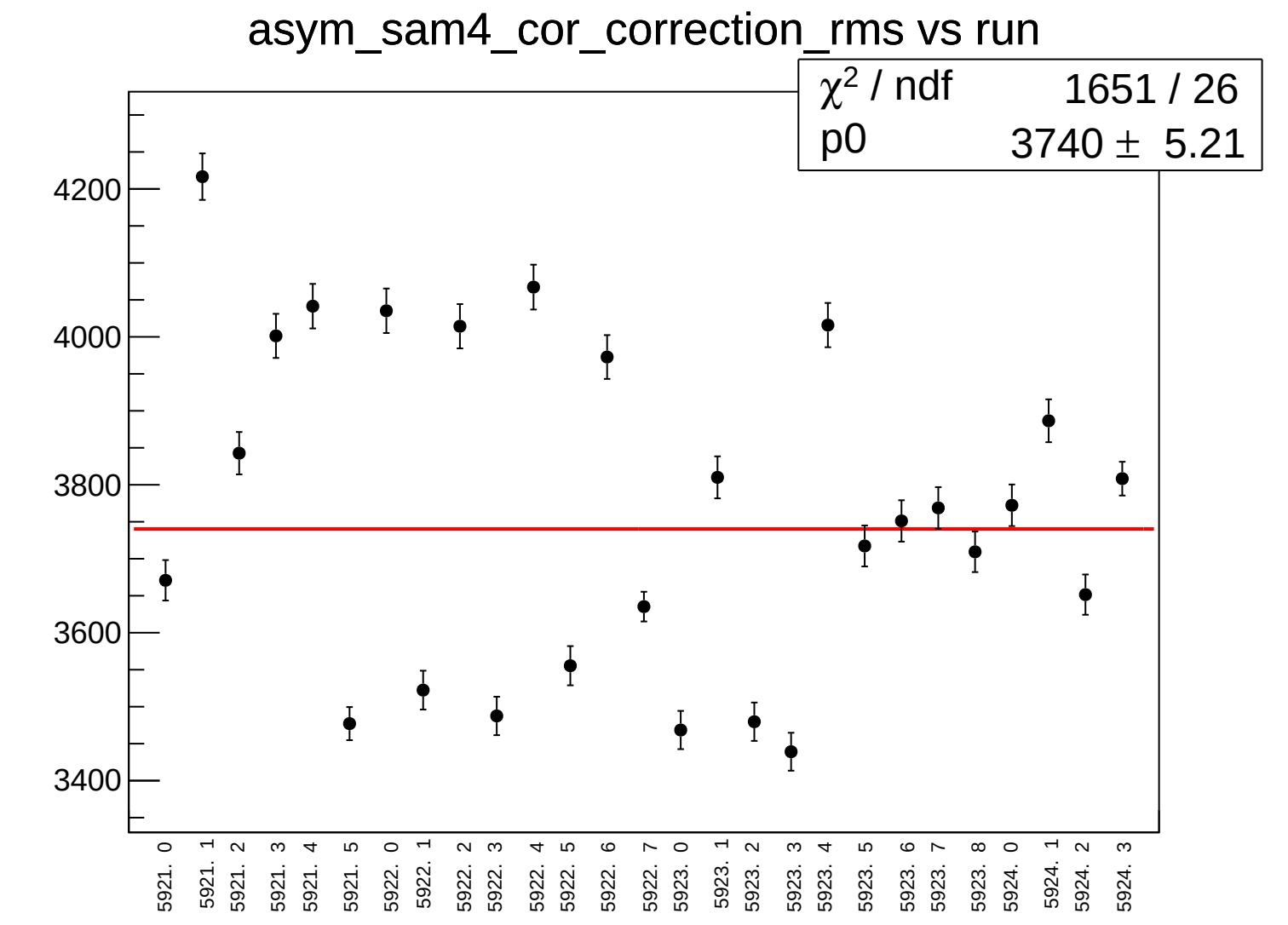
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


asym_sam4_cor_correction_mean vs run
×10^3
χ^2 / ndf 20.6 / 26
p0 5312 ± 7367
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 19.61
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.02109
Std Dev 0.8732
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam4_cor_correction_rms vs run
χ² / ndf 1651 / 26
p0 3740 ± 5.21
4200
4000
3800
3600
3400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
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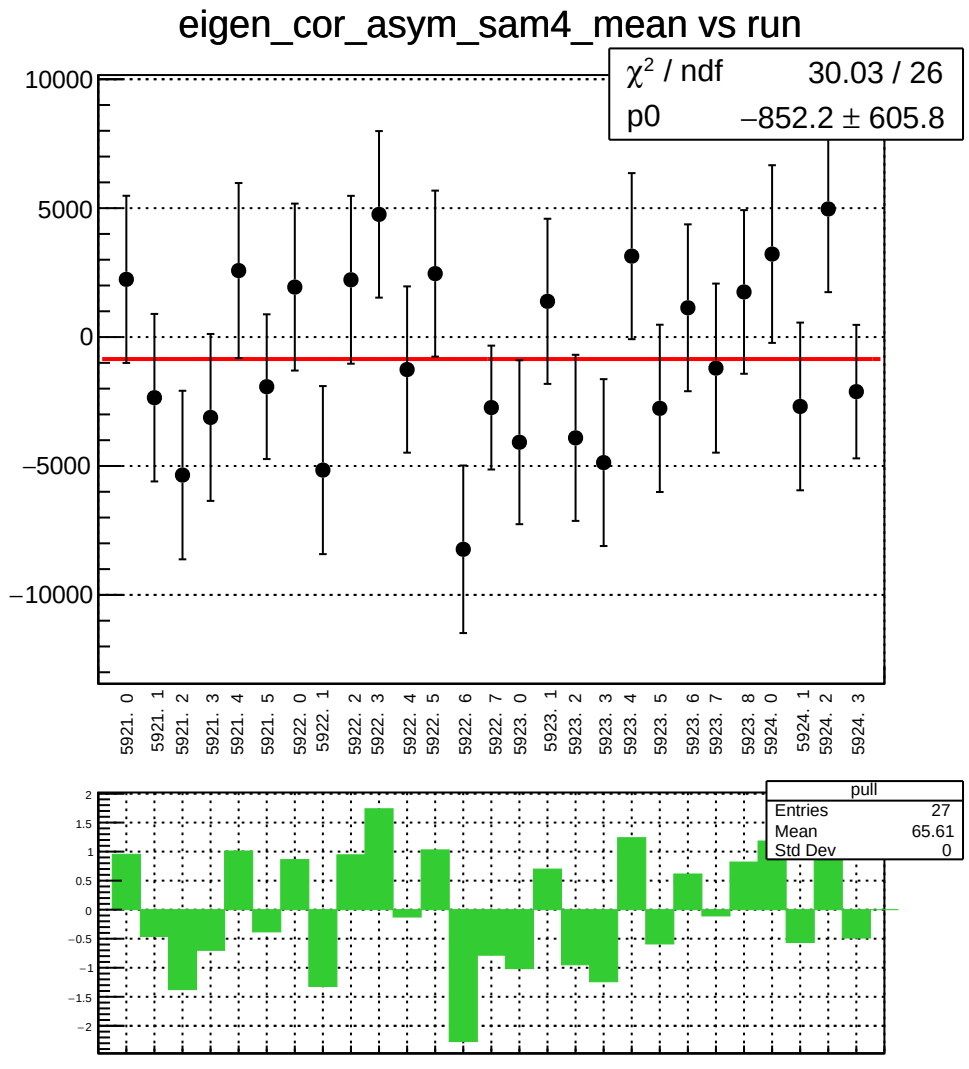
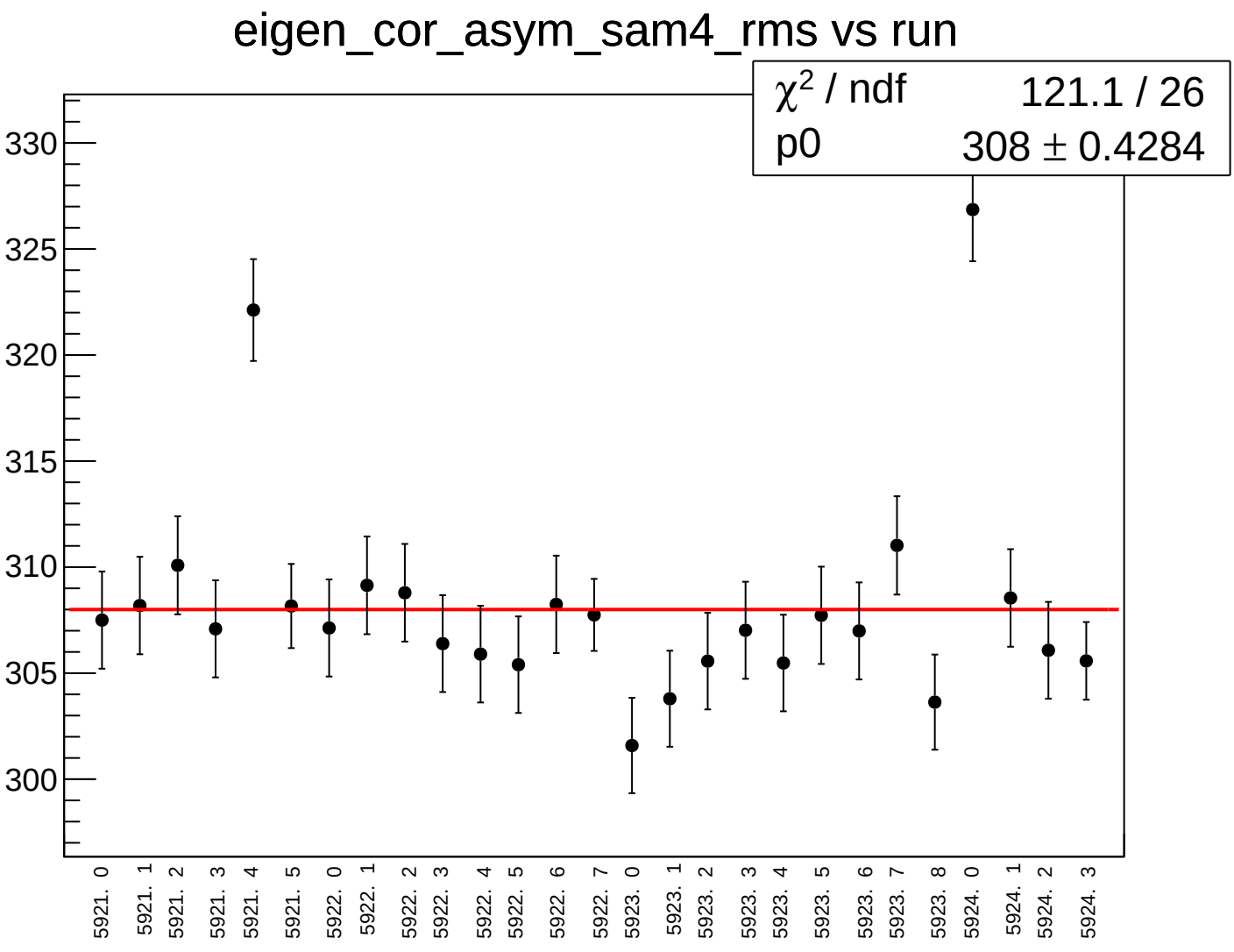
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


eigen_cor_asym_sam4_mean vs run
χ² / ndf 30.03 / 26
p0 −852.2 ± 605.8
10000
5000
0
−5000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 65.61
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean 0.0192
Std Dev 1.054
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam4_rms vs run
χ² / ndf 121.1 / 26
p0 308 ± 0.4284
330
325
320
315
310
305
300
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
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5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
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5923. 8
5924. 0
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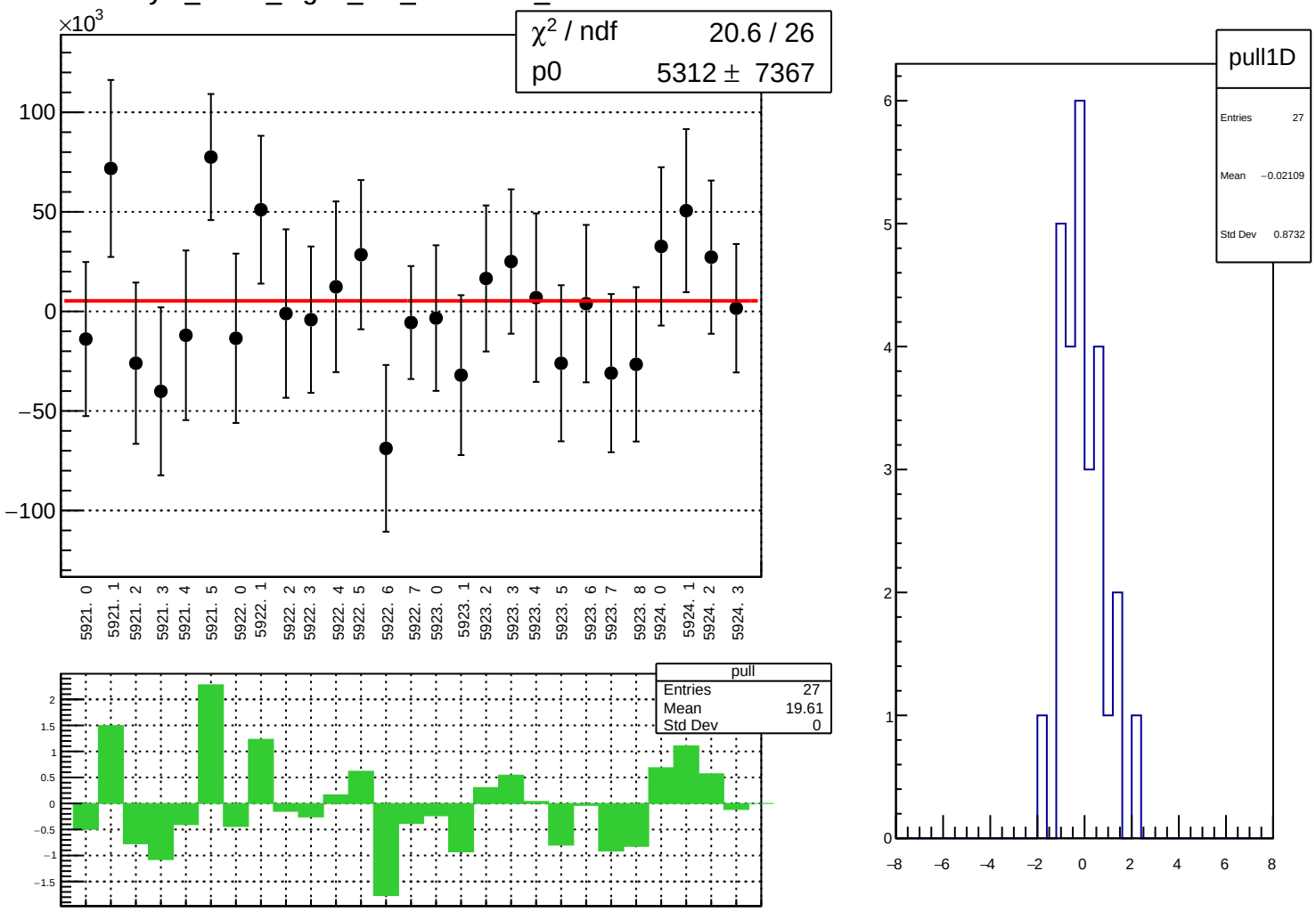
5924. 2
5924. 3


asym_sam4_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 20.6 / 26
p0 5312 ± 7367
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 19.61
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.02109
Std Dev 0.8732
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5
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1
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−8
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6
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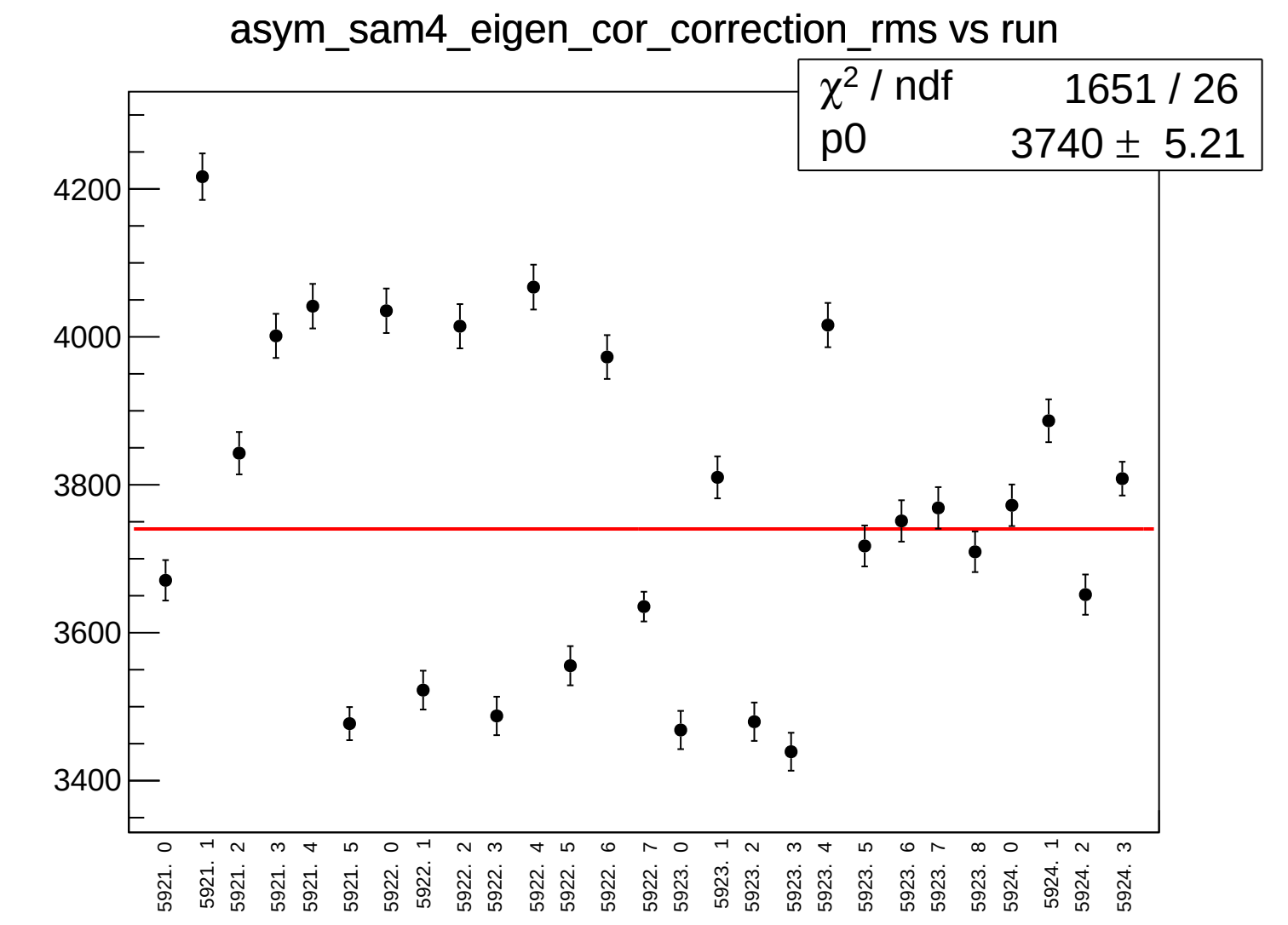
asym_sam4_eigen_cor_correction_rms vs run
χ² / ndf 1651 / 26
p0 3740 ± 5.21
4200
4000
3800
3600
3400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
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5922. 7
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5923. 2
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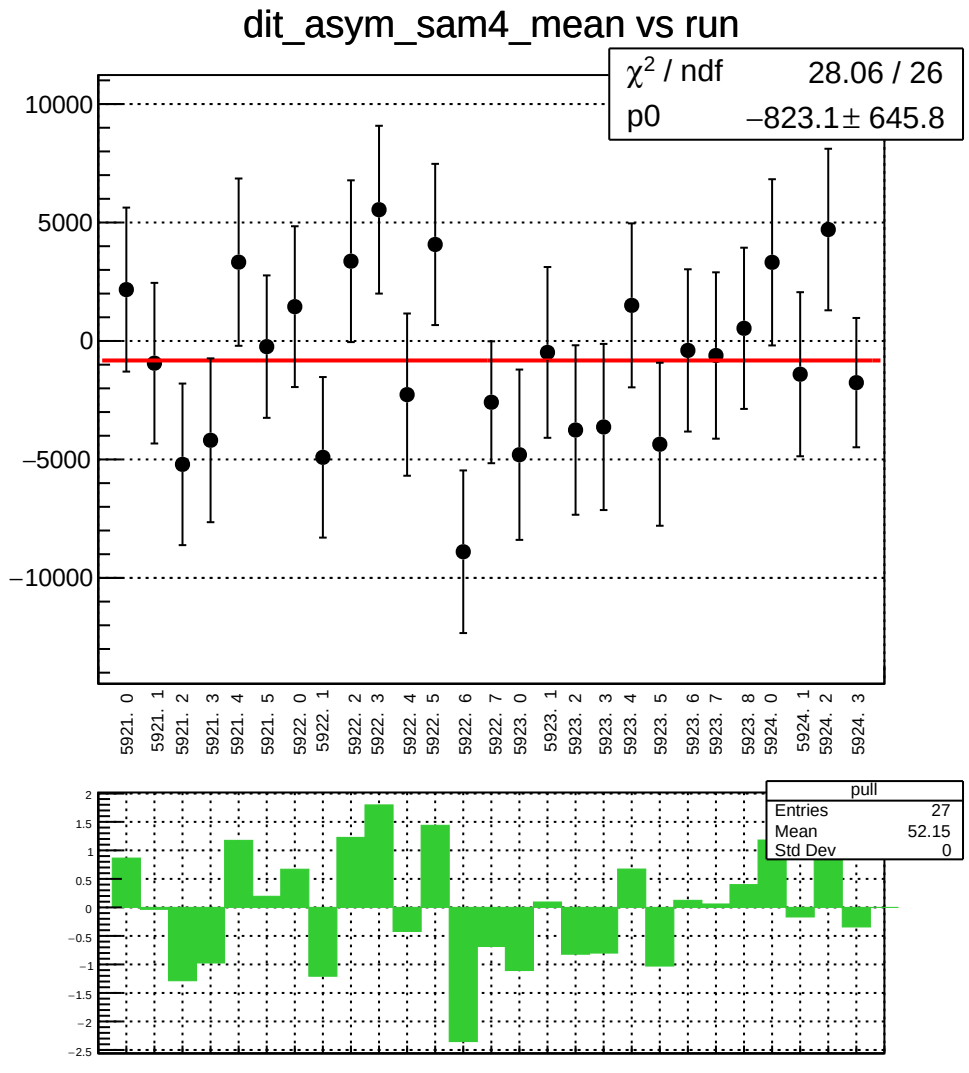
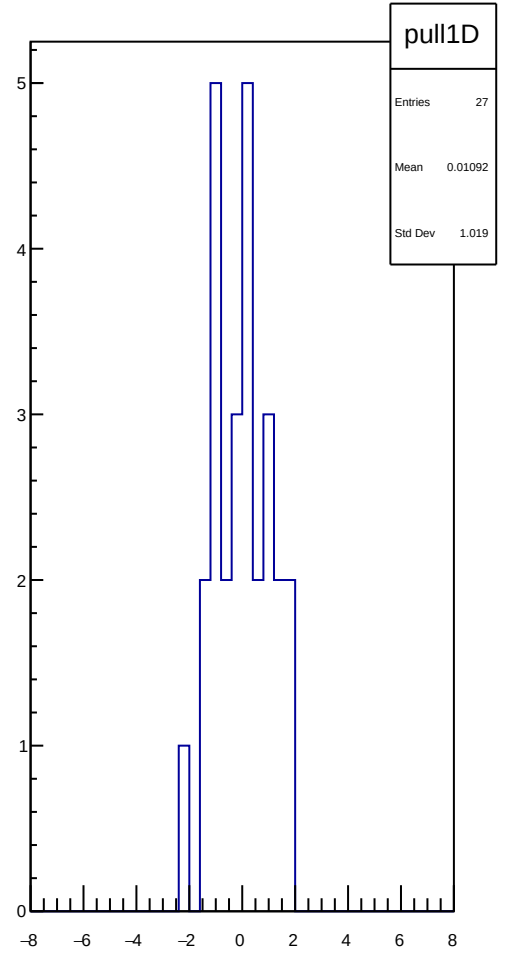
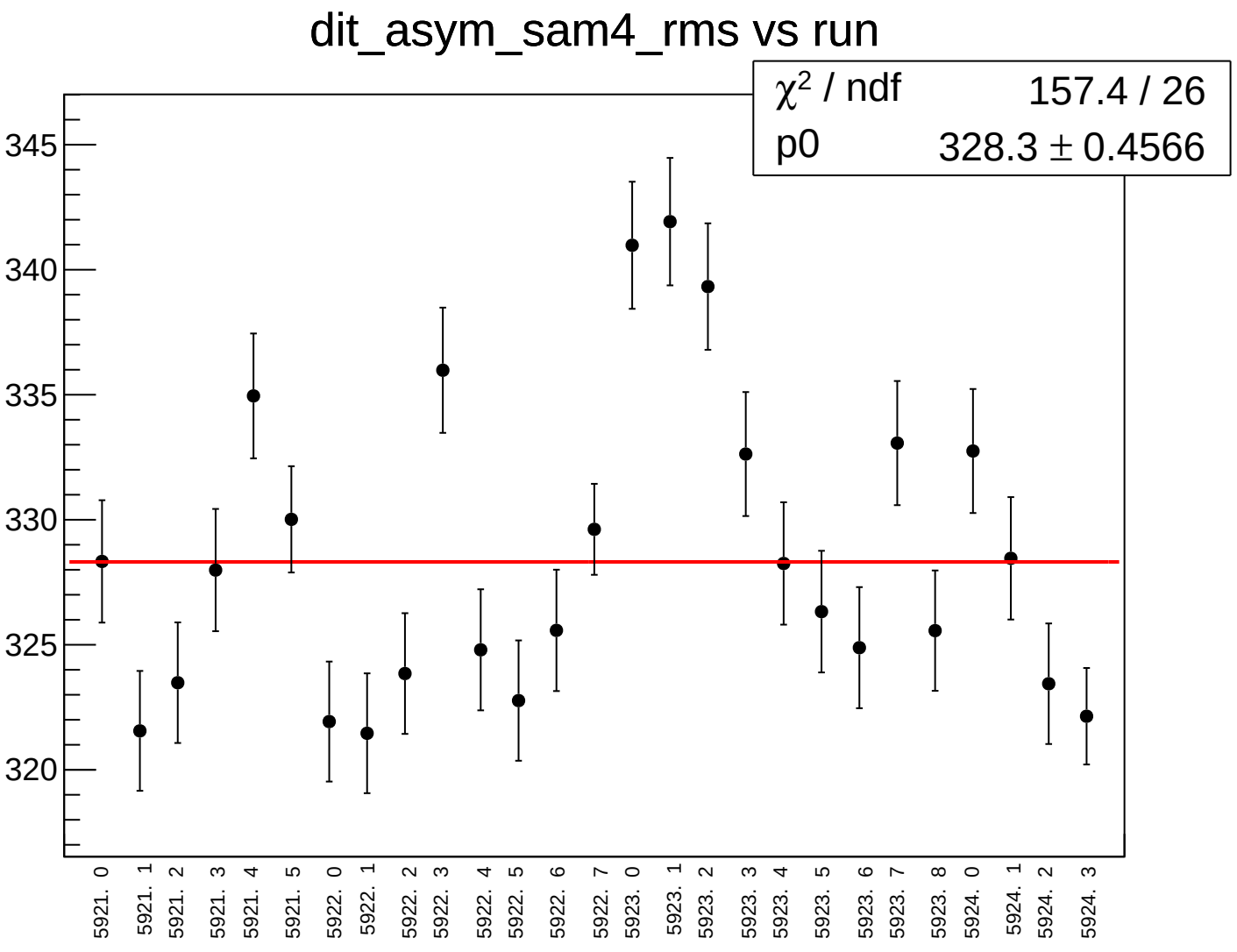
5924. 3


dit_asym_sam4_mean vs run
χ² / ndf 28.06 / 26
p0 −823.1± 645.8
10000
5000
0
−5000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 52.15
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 27
Mean 0.01092
Std Dev 1.019
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam4_rms vs run
χ² / ndf 157.4 / 26
p0 328.3 ± 0.4566
345
340
335
330
325
320
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
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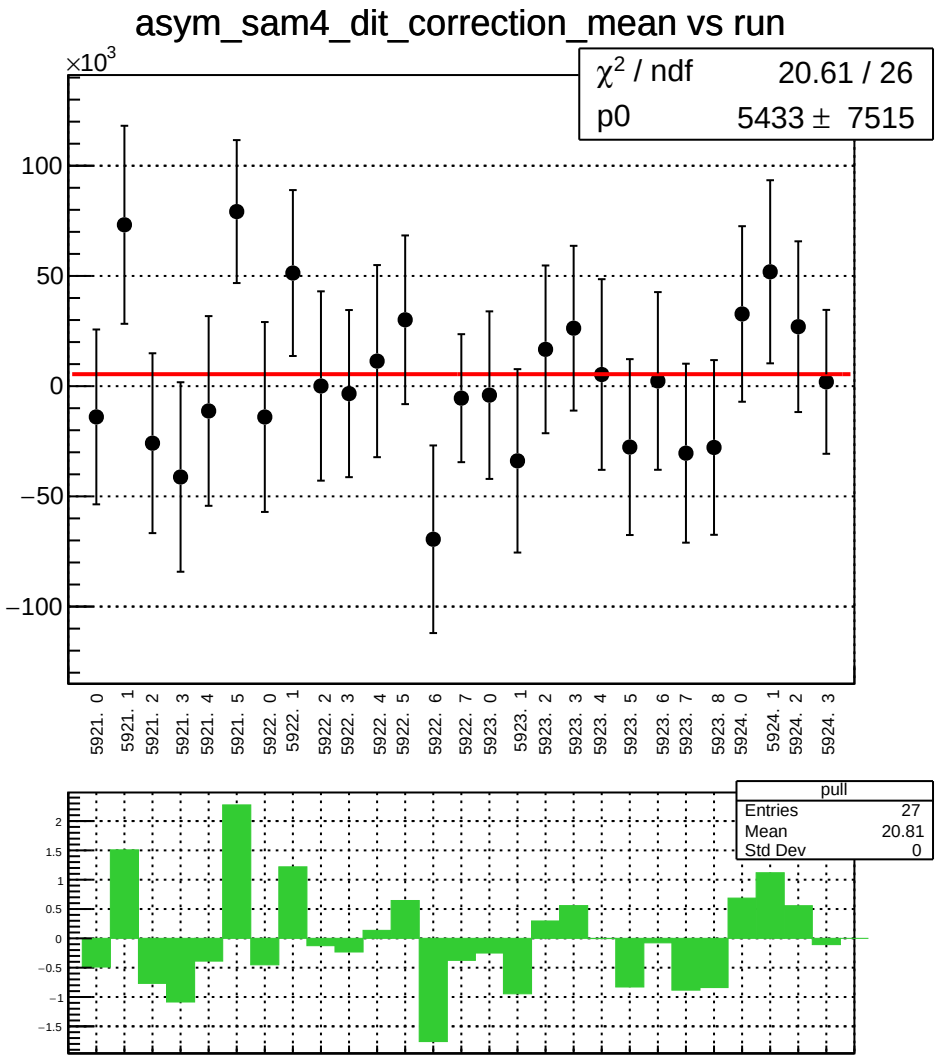
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


asym_sam4_dit_correction_mean vs run
×10^3
χ^2 / ndf 20.61 / 26
p0 5433 ± 7515
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
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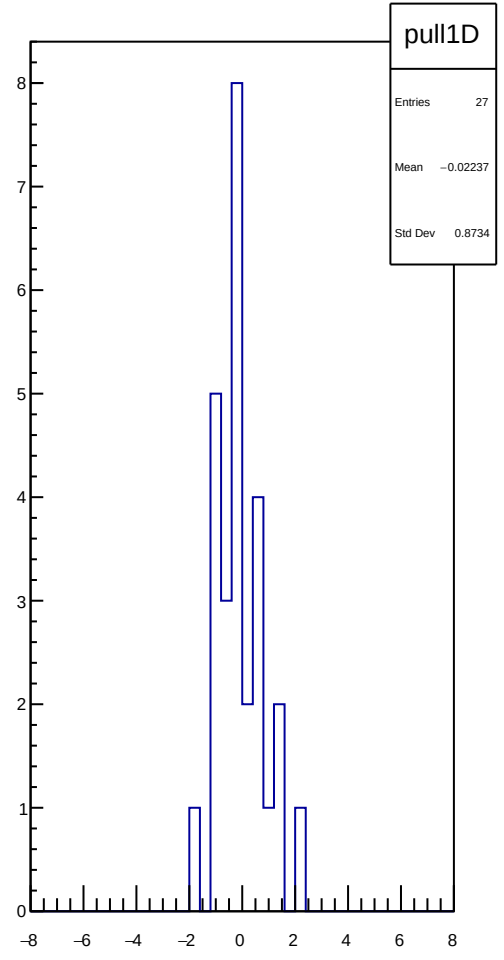
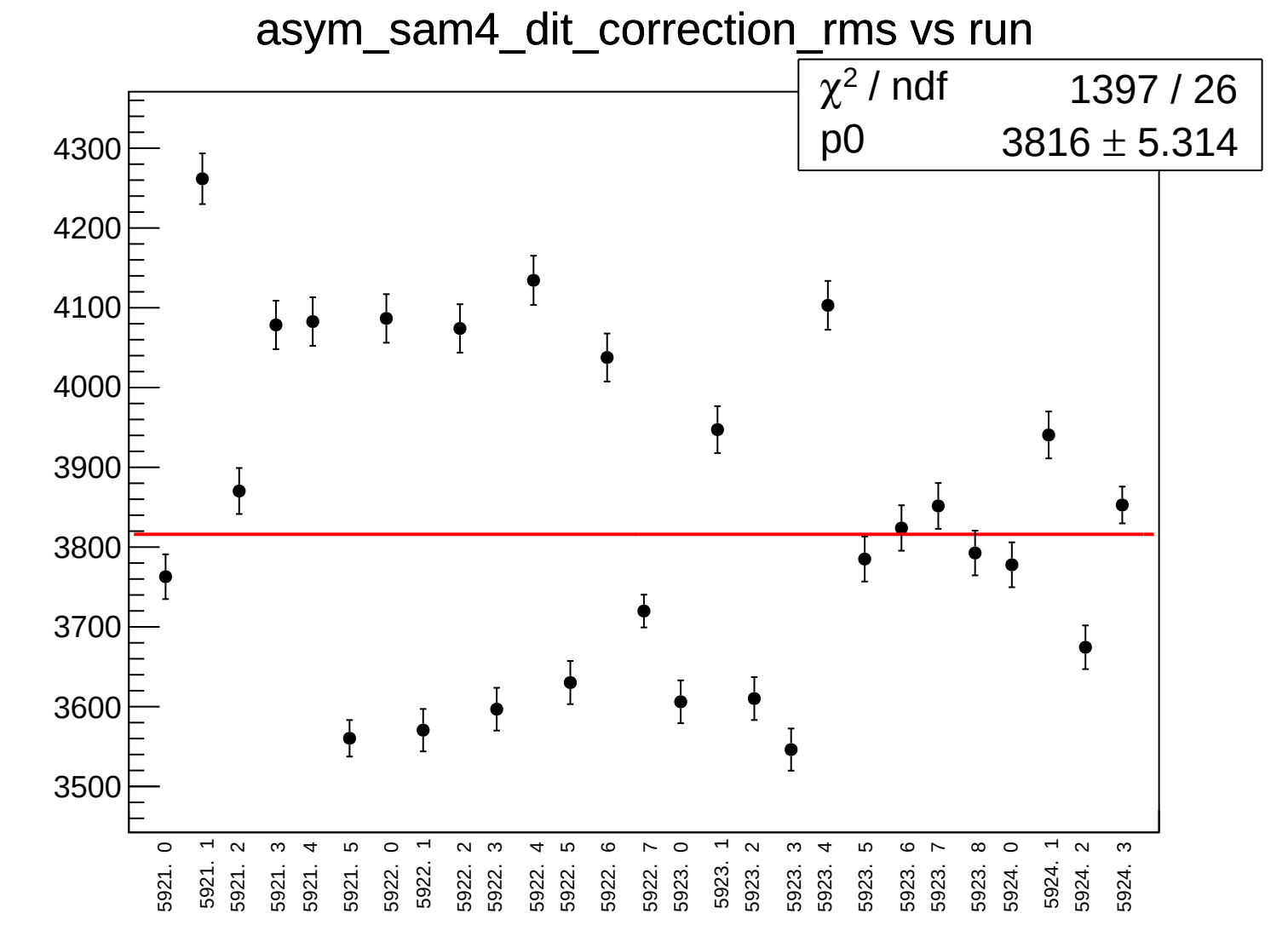
pull
Entries 27
Mean 20.81
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 27
Mean −0.02237
Std Dev 0.8734
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam4_dit_correction_rms vs run
χ² / ndf 1397 / 26
p0 3816 ± 5.314
4300
4200
4100
4000
3900
3800
3700
3600
3500
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
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5922. 5
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5922. 7
5923. 0
5923. 1
5923. 2
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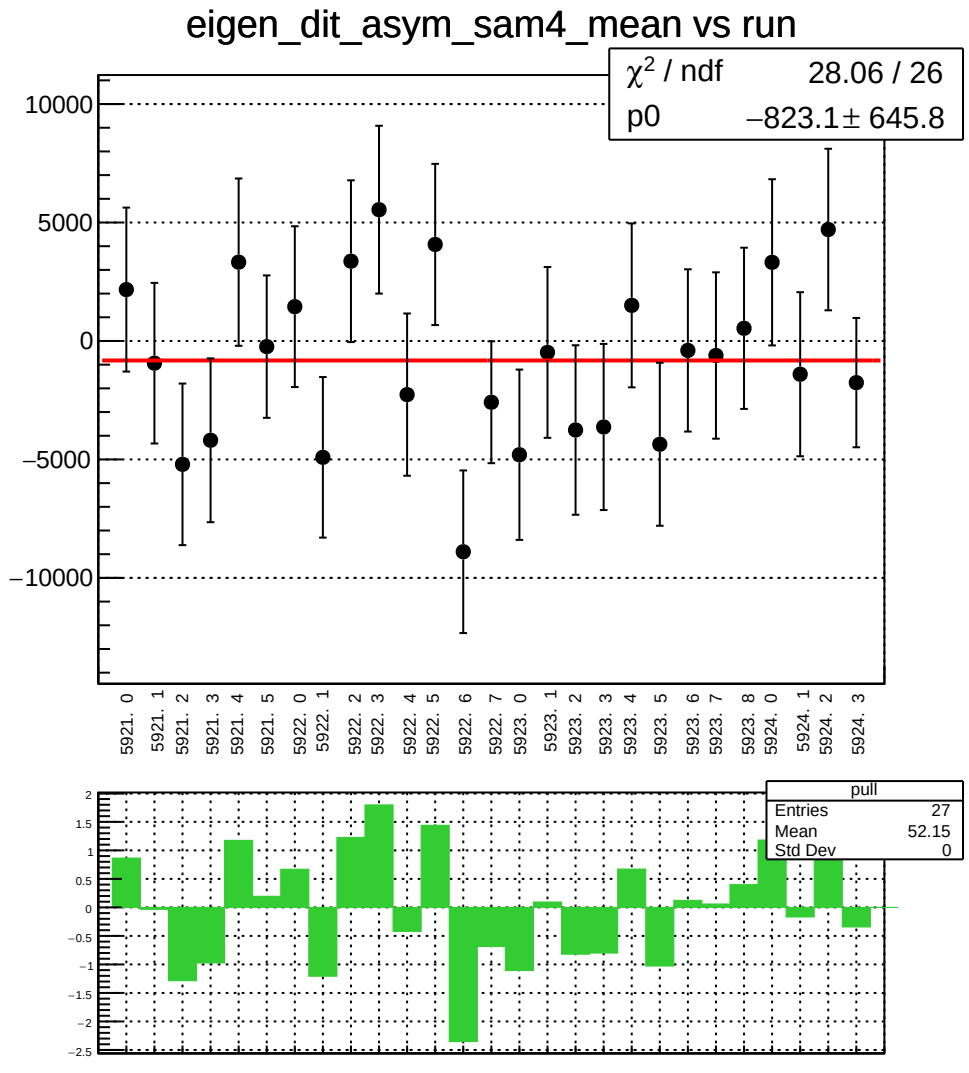
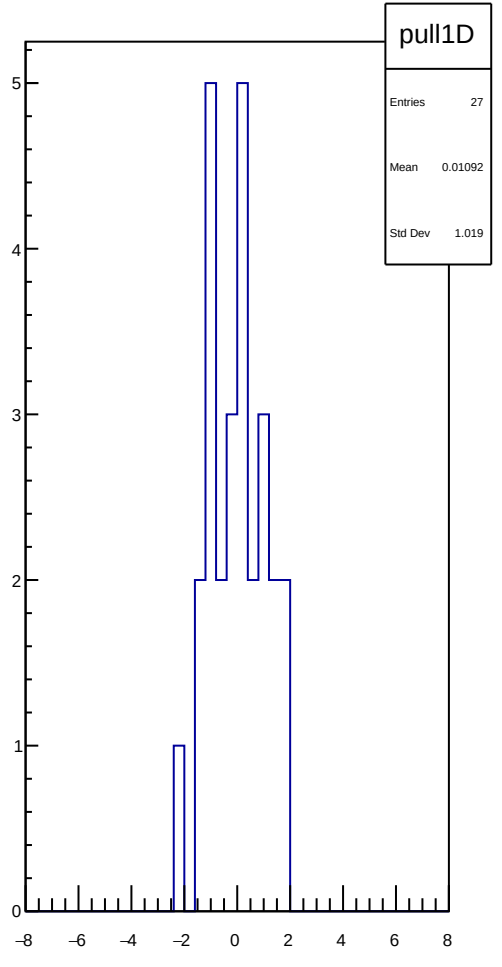
5924. 0
5924. 1
5924. 2
5924. 3


eigen_dit_asym_sam4_mean vs run
χ² / ndf 28.06 / 26
p0 −823.1 ± 645.8
10000
5000
0
−5000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 52.15
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 27
Mean 0.01092
Std Dev 1.019
5
4
3
2
1
0
−8
−6
−4
−2
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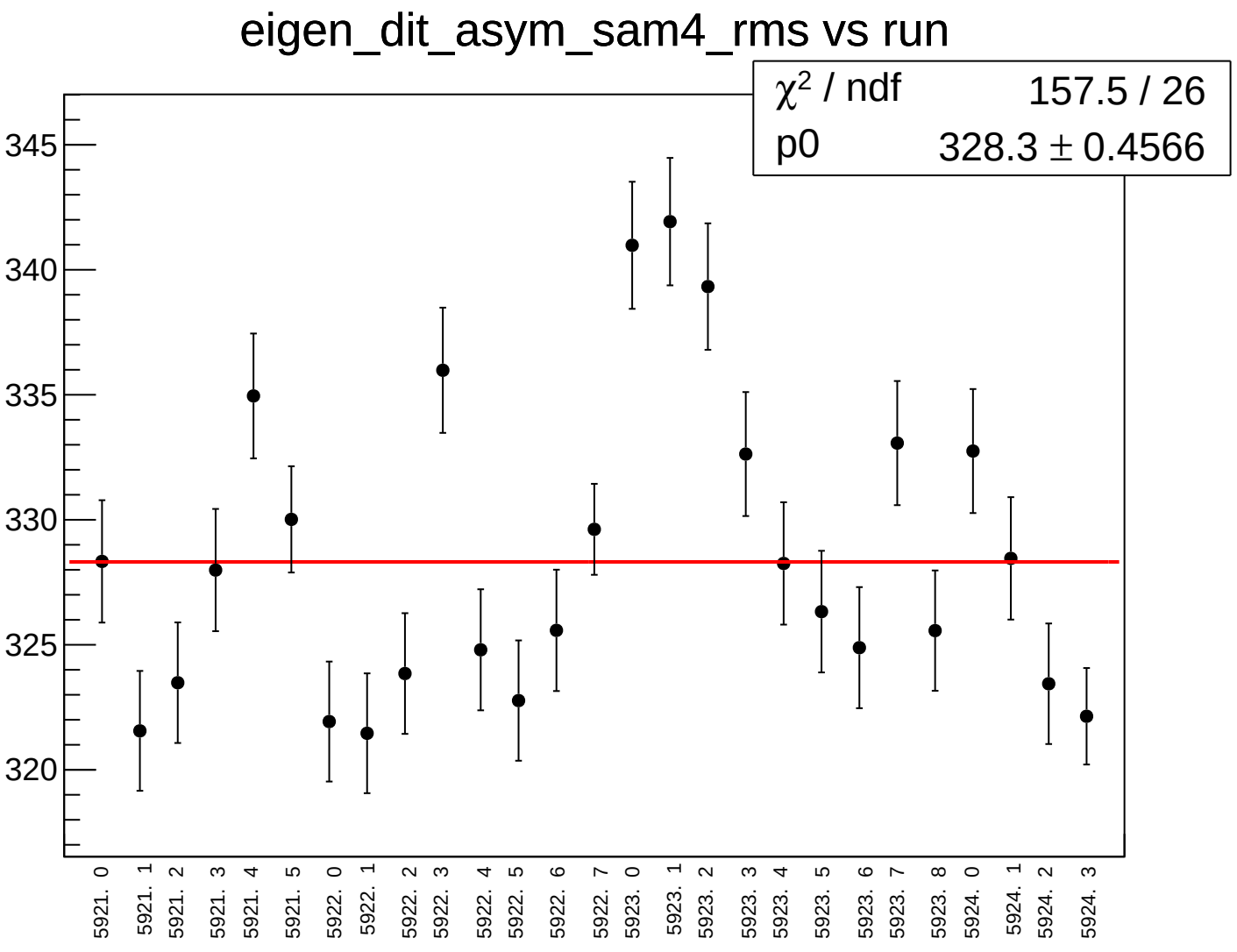
2
4
6
8


eigen_dit_asym_sam4_rms vs run
χ² / ndf 157.5 / 26
p0 328.3 ± 0.4566
345
340
335
330
325
320
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
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5923. 0
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5923. 2
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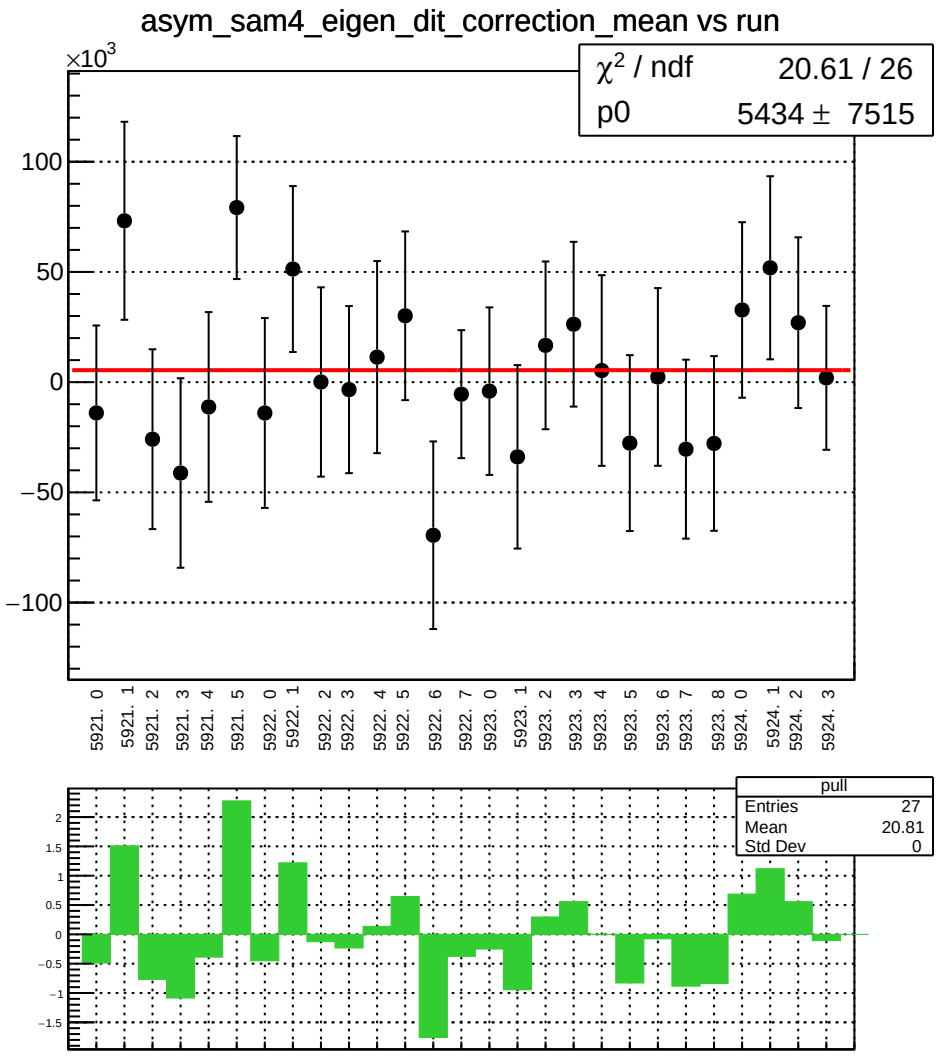
5924. 2
5924. 3


asym_sam4_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 20.61 / 26
p0 5434 ± 7515
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
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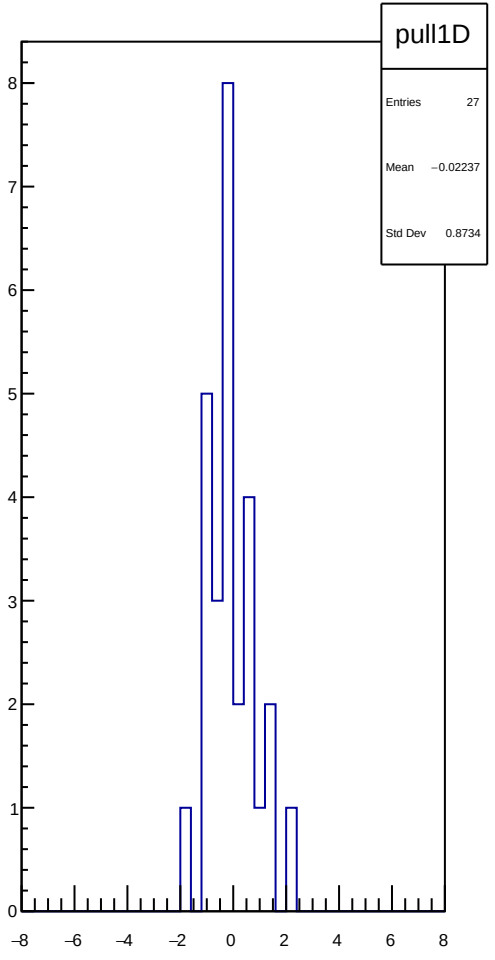
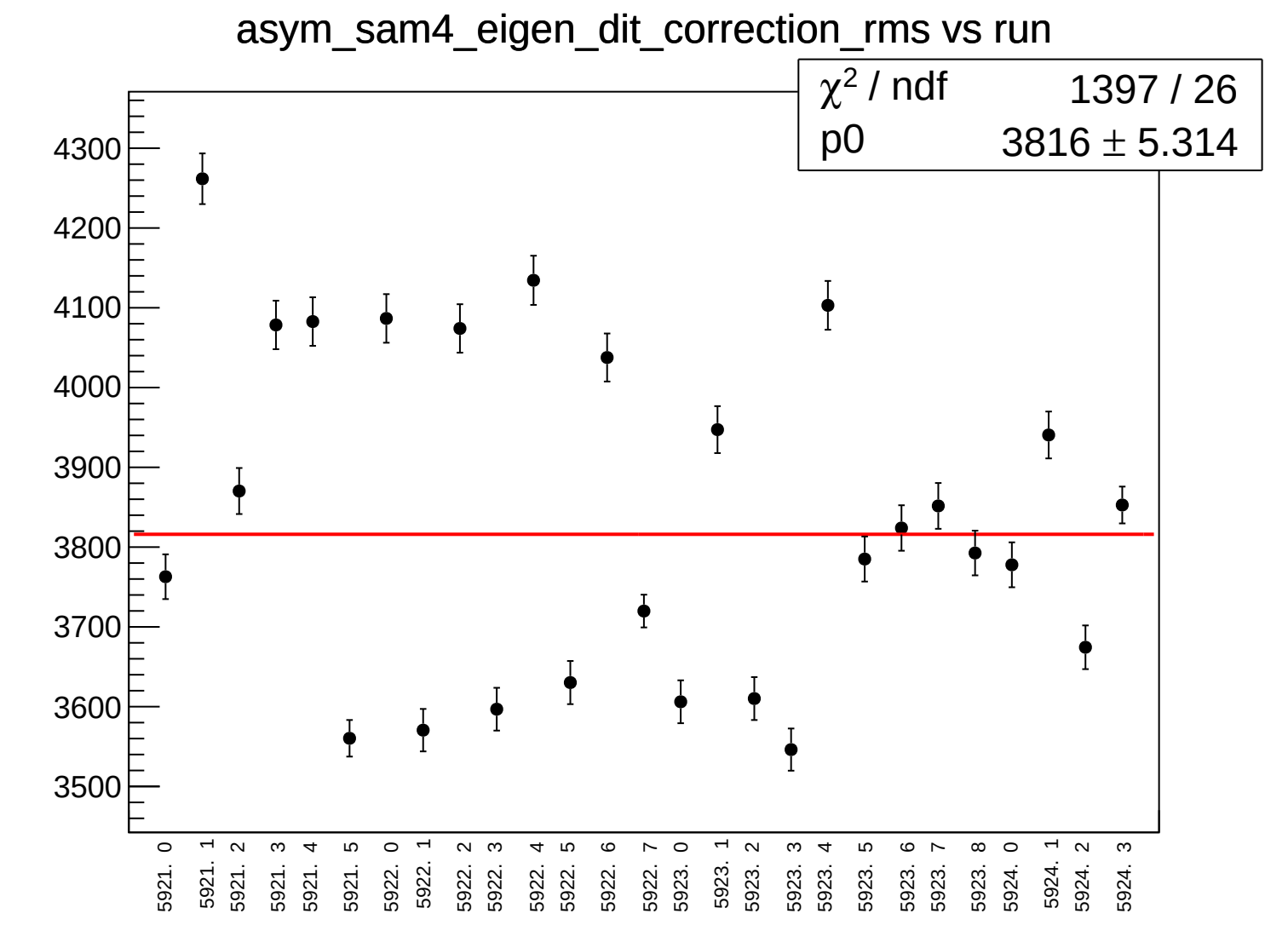
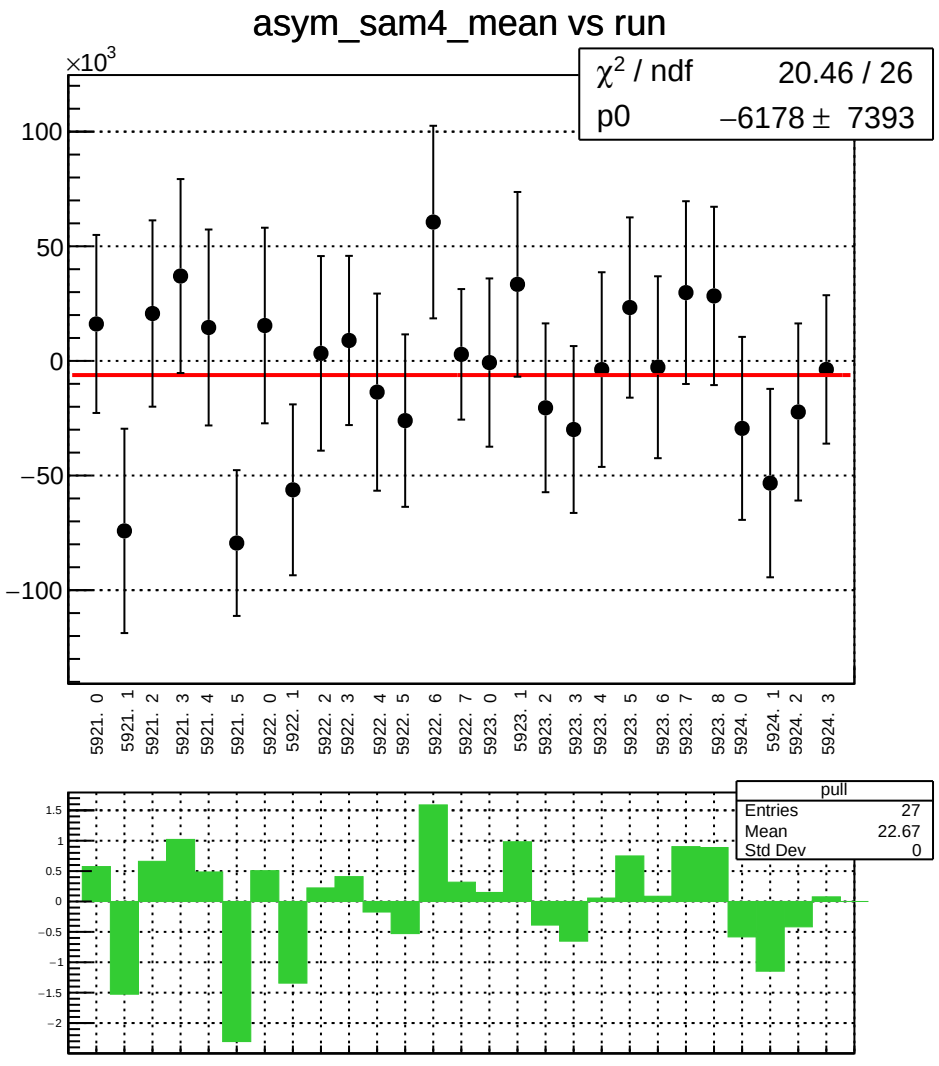
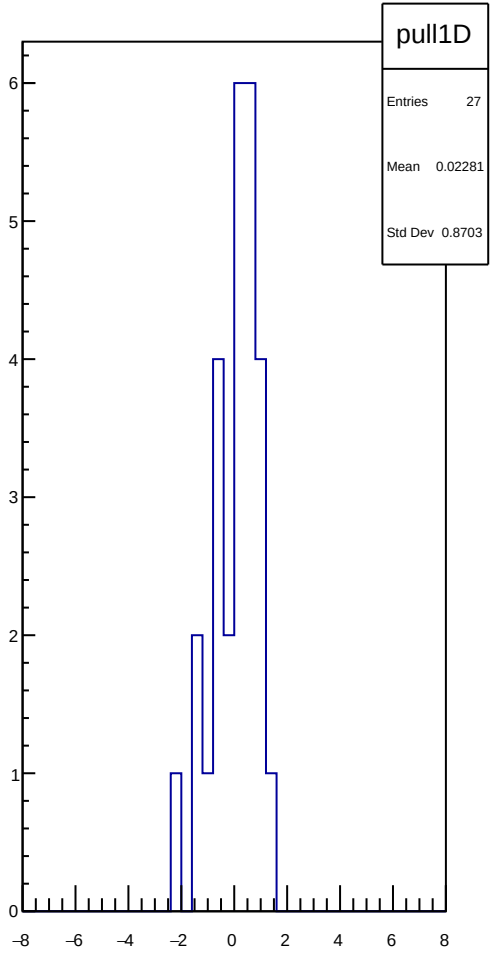
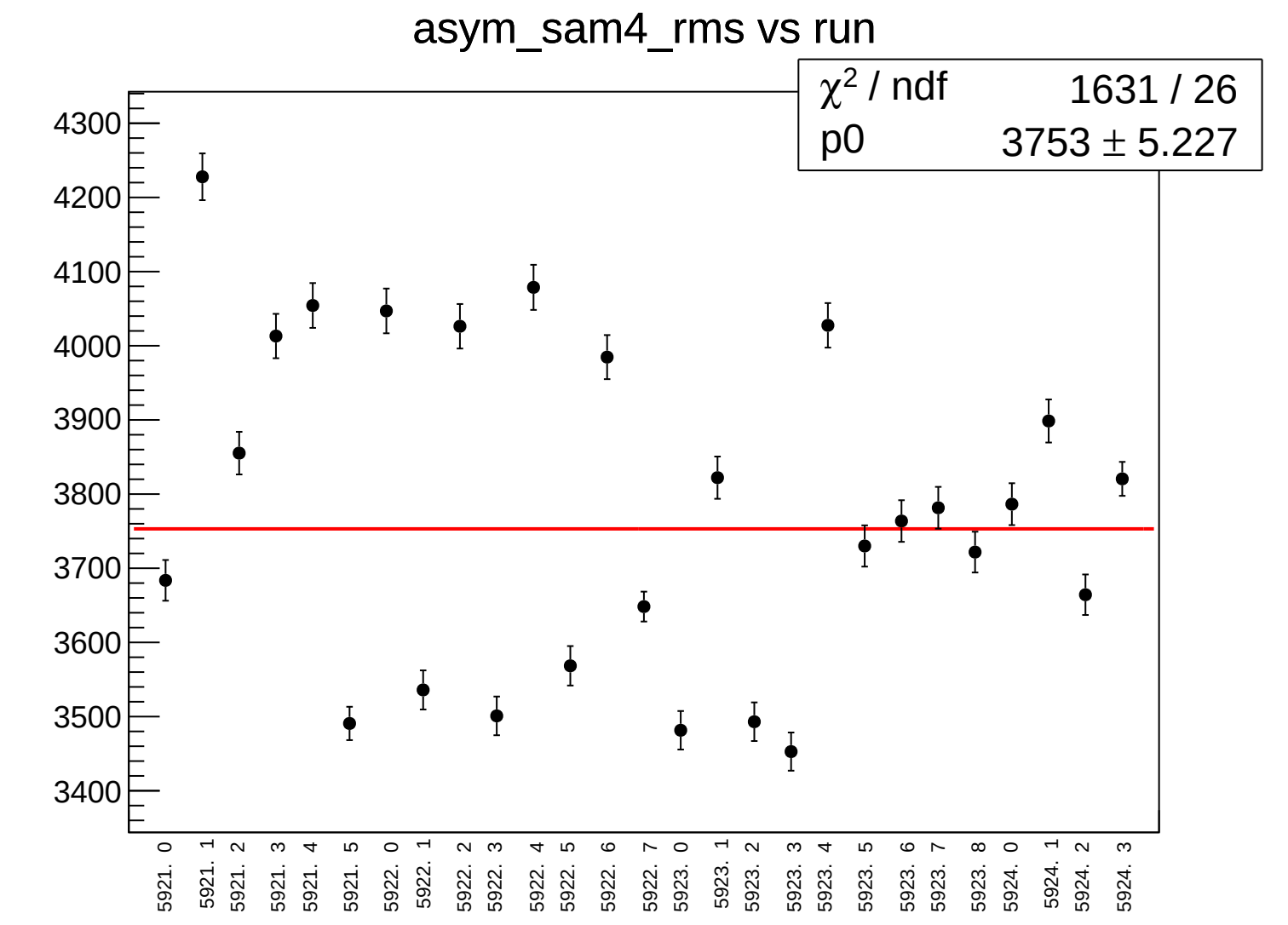
pull
Entries 27
Mean 20.81
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

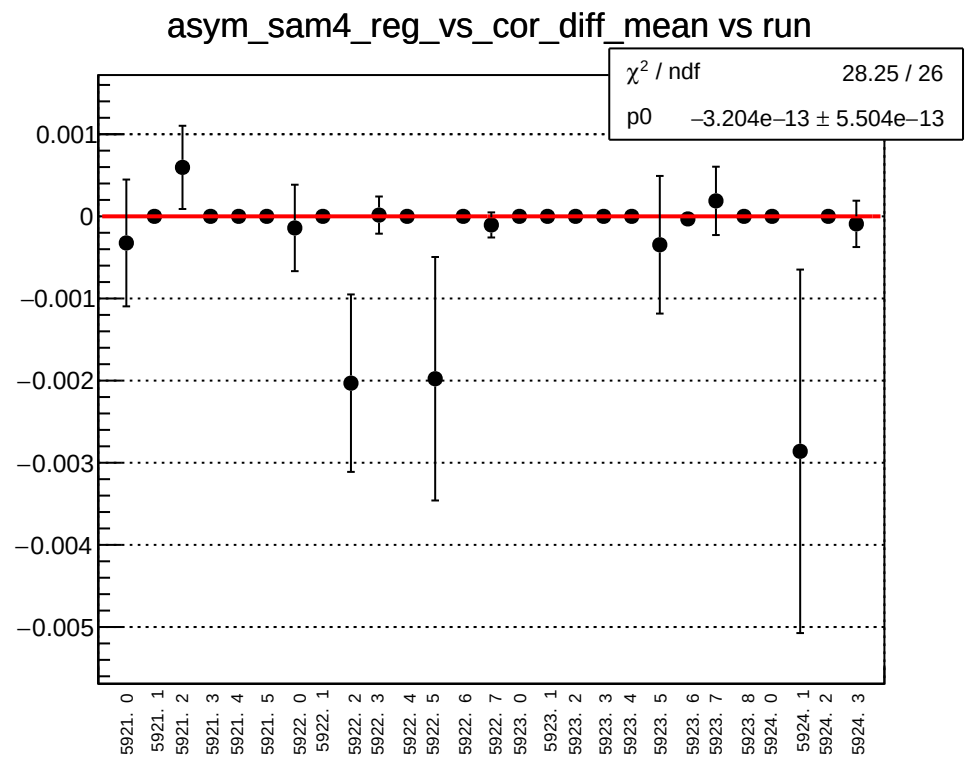

pull1D
Entries 27
Mean −0.02237
Std Dev 0.8734
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

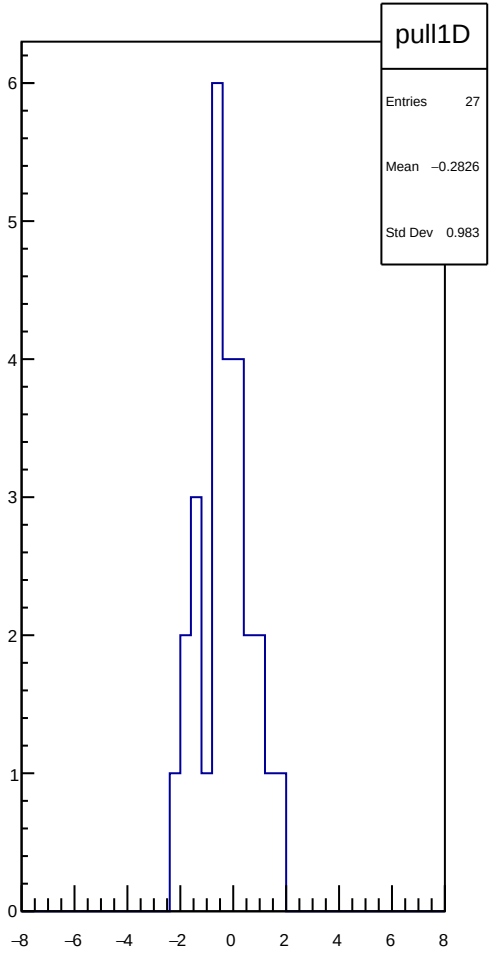

asym_sam4_eigen_dit_correction_rms vs run
χ² / ndf 1397 / 26
p0 3816 ± 5.314
4300
4200
4100
4000
3900
3800
3700
3600
3500
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

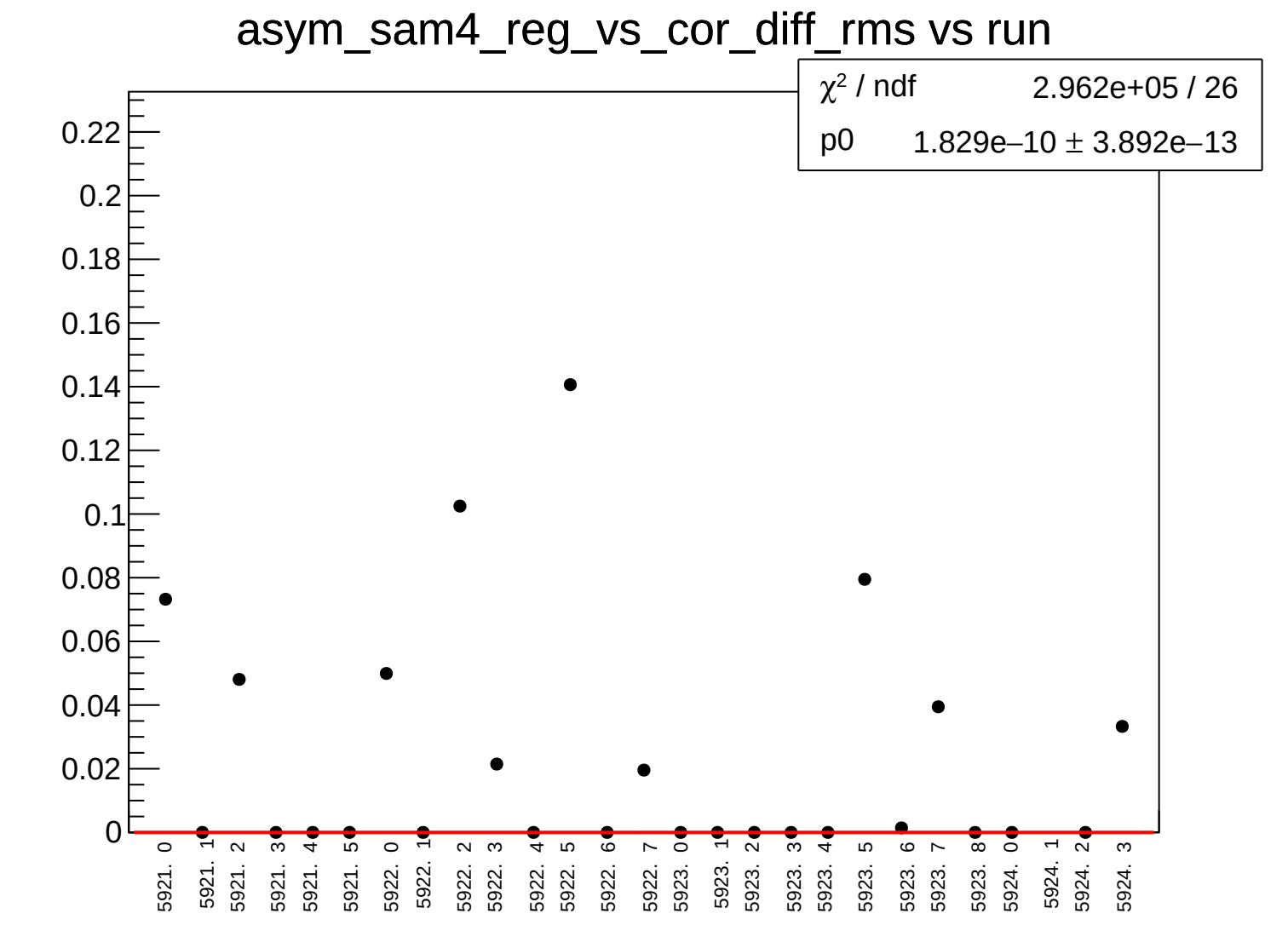

asym_sam4_mean vs run
×10^3
χ^2 / ndf 20.46 / 26
p0 −6178 ± 7393
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 22.67
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

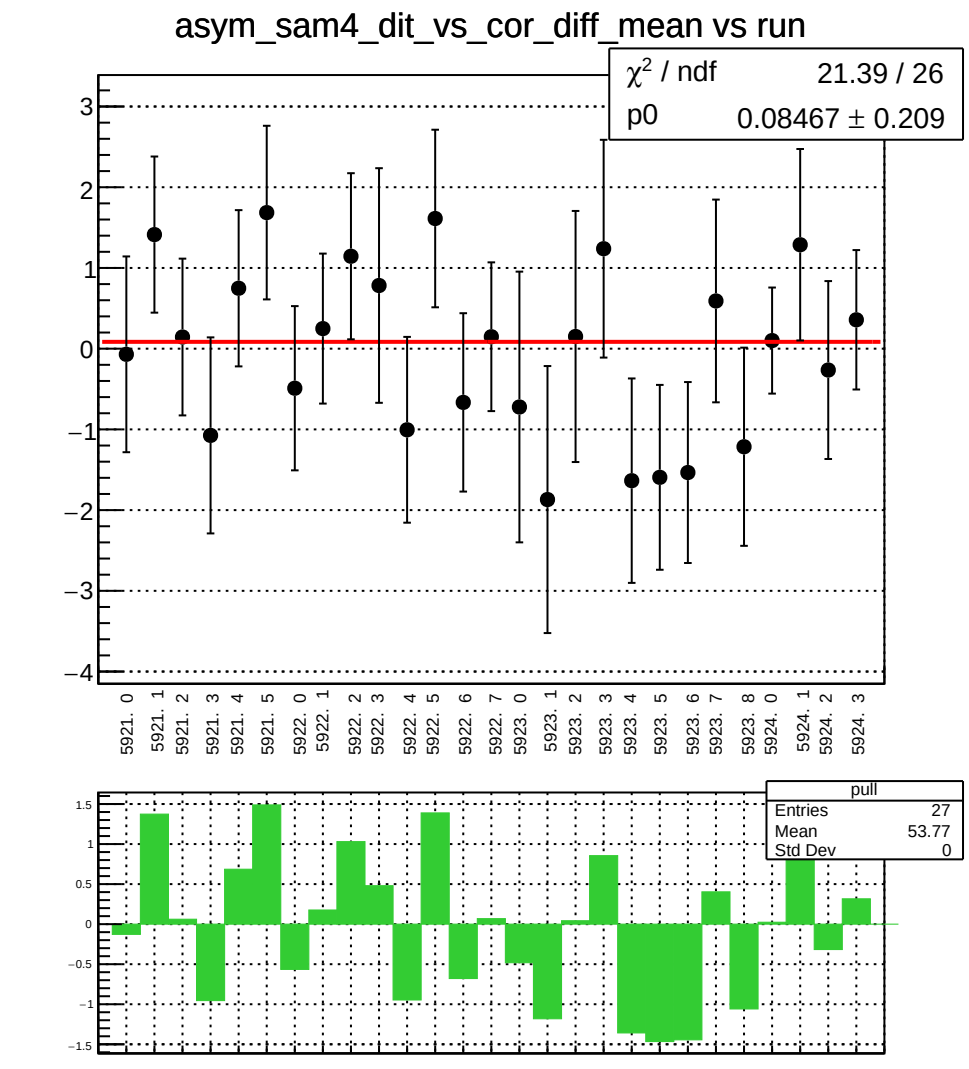

pull1D
Entries 27
Mean 0.02281
Std Dev 0.8703
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

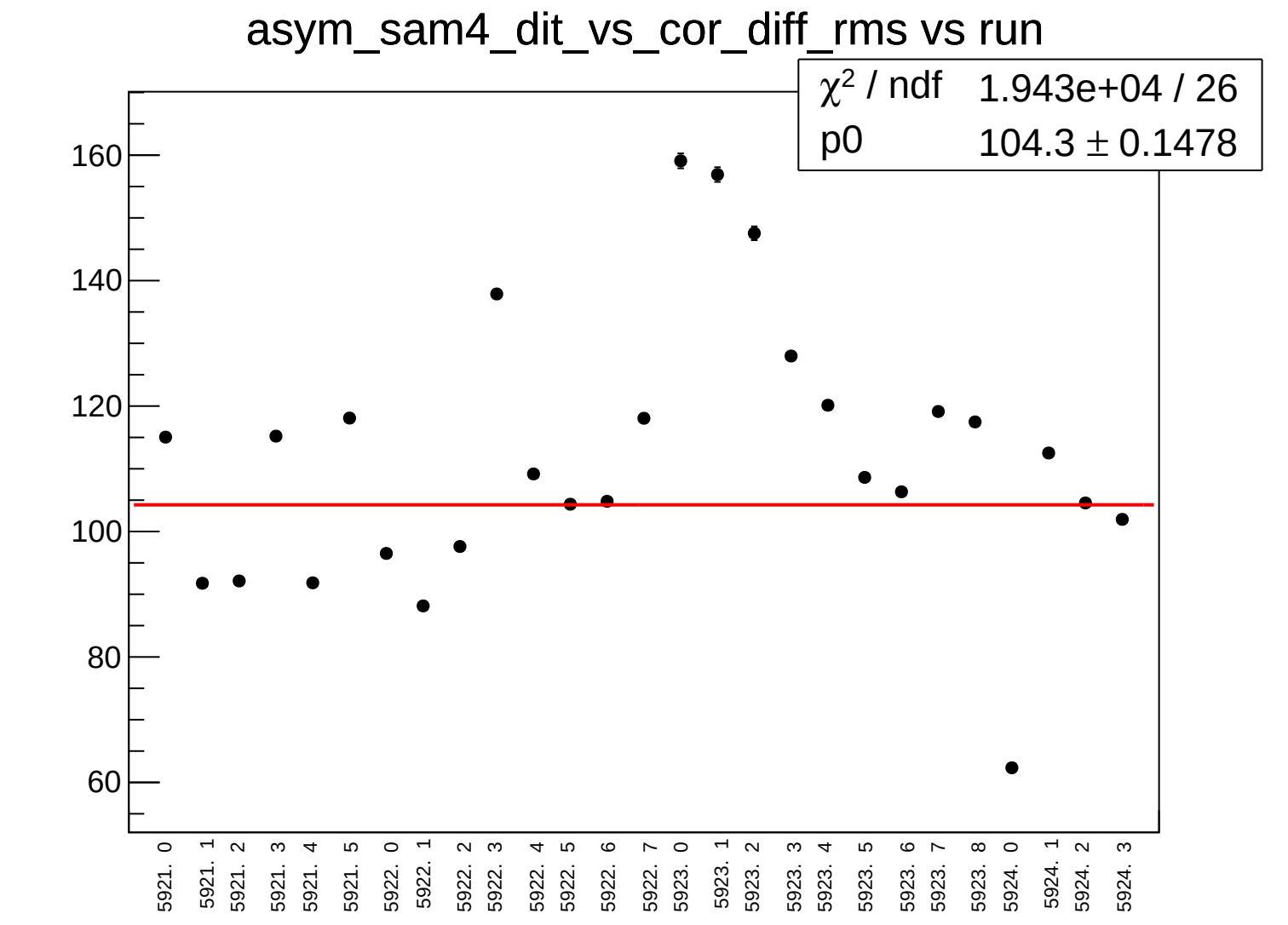

asym_sam4_rms vs run
χ² / ndf 1631 / 26
p0 3753 ± 5.227
4300
4200
4100
4000
3900
3800
3700
3600
3500
3400
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

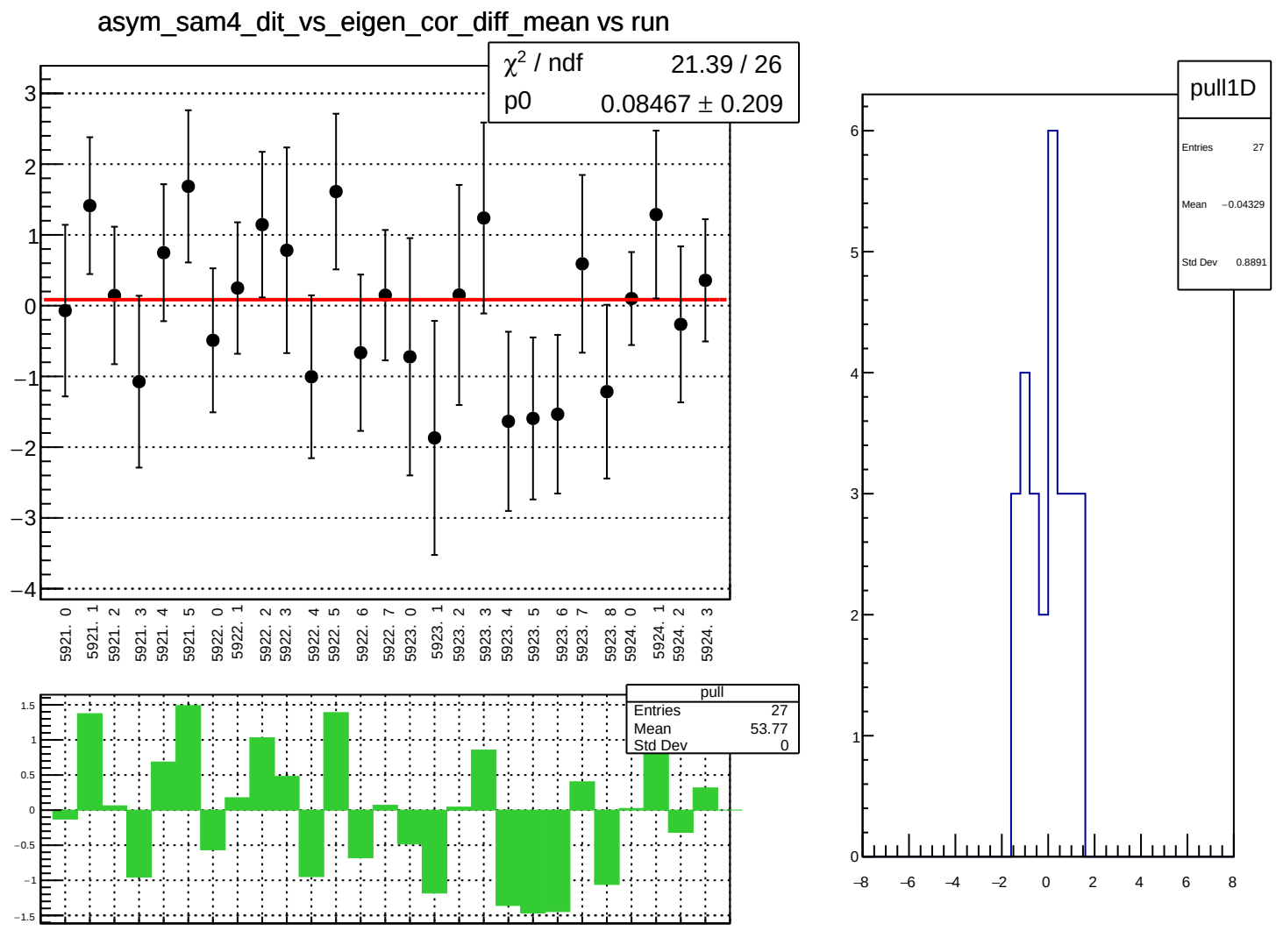

asym_sam4_reg_vs_cor_diff_mean vs run
χ² / ndf 28.25 / 26
p0 −3.204e−13 ± 5.504e−13
0.001
0
−0.001
−0.002
−0.003
−0.004
−0.005
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 13.02
Std Dev 4.879
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

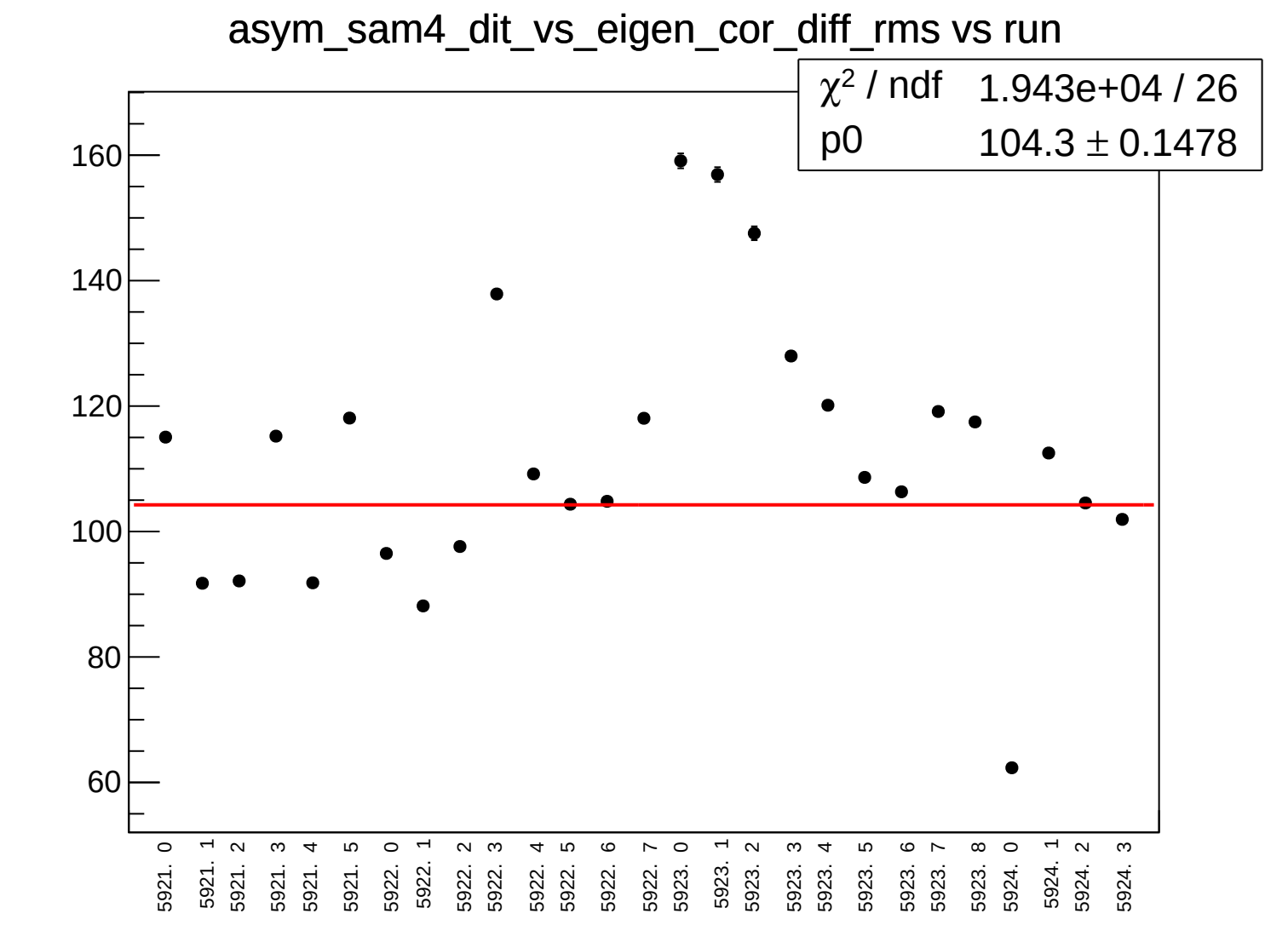

pull1D
Entries 27
Mean −0.2826
Std Dev 0.983
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

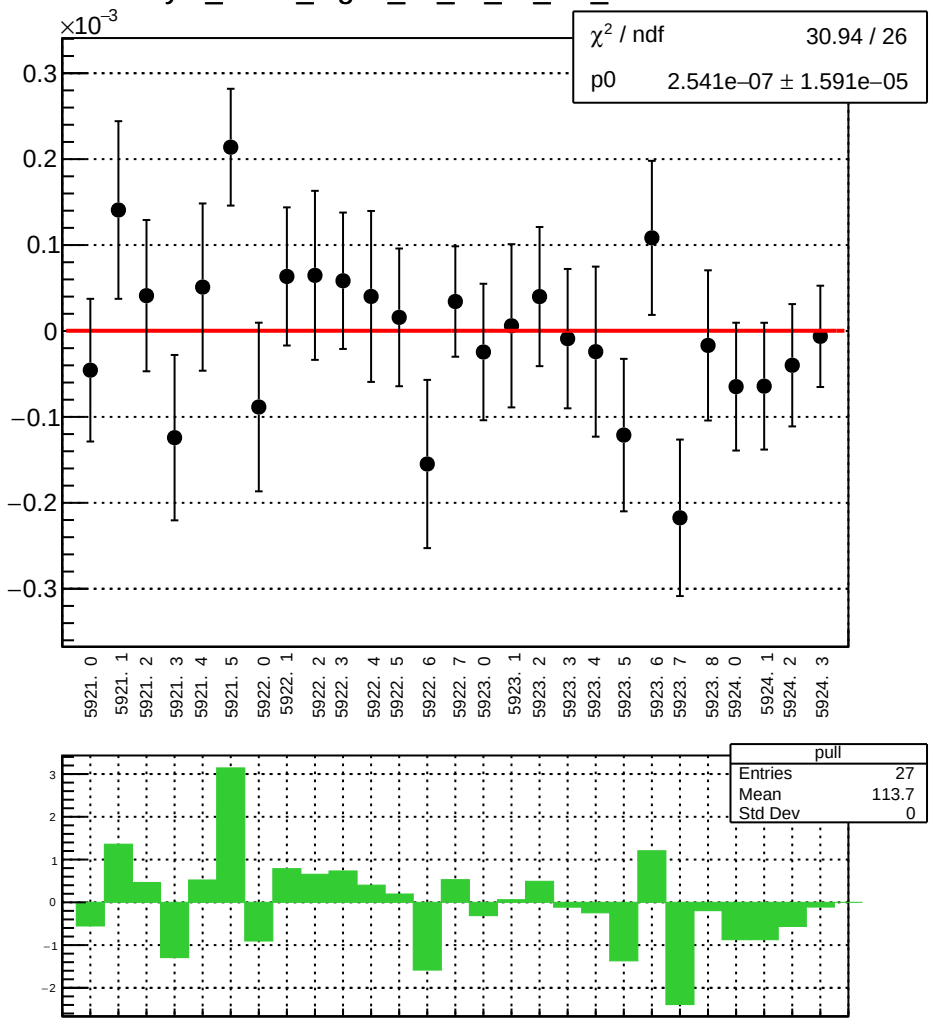

asym_sam4_reg_vs_cor_diff_rms vs run
χ² / ndf 2.962e+05 / 26
p0 1.829e−10 ± 3.892e−13
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

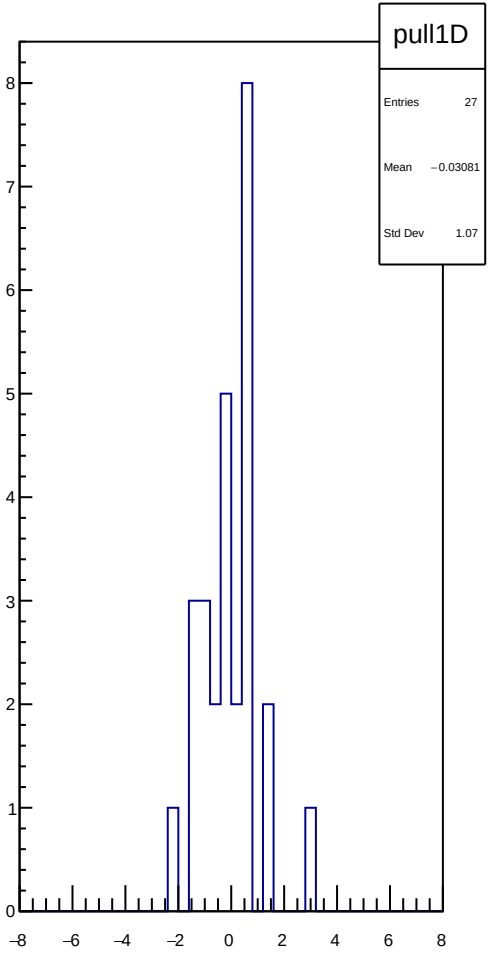

asym_sam4_dit_vs_cor_diff_mean vs run
χ² / ndf 21.39 / 26
p0 0.08467 ± 0.209
pull
Entries 27
Mean 53.77
Std Dev 0
pull1D
Entries 27
Mean −0.04329
Std Dev 0.8891

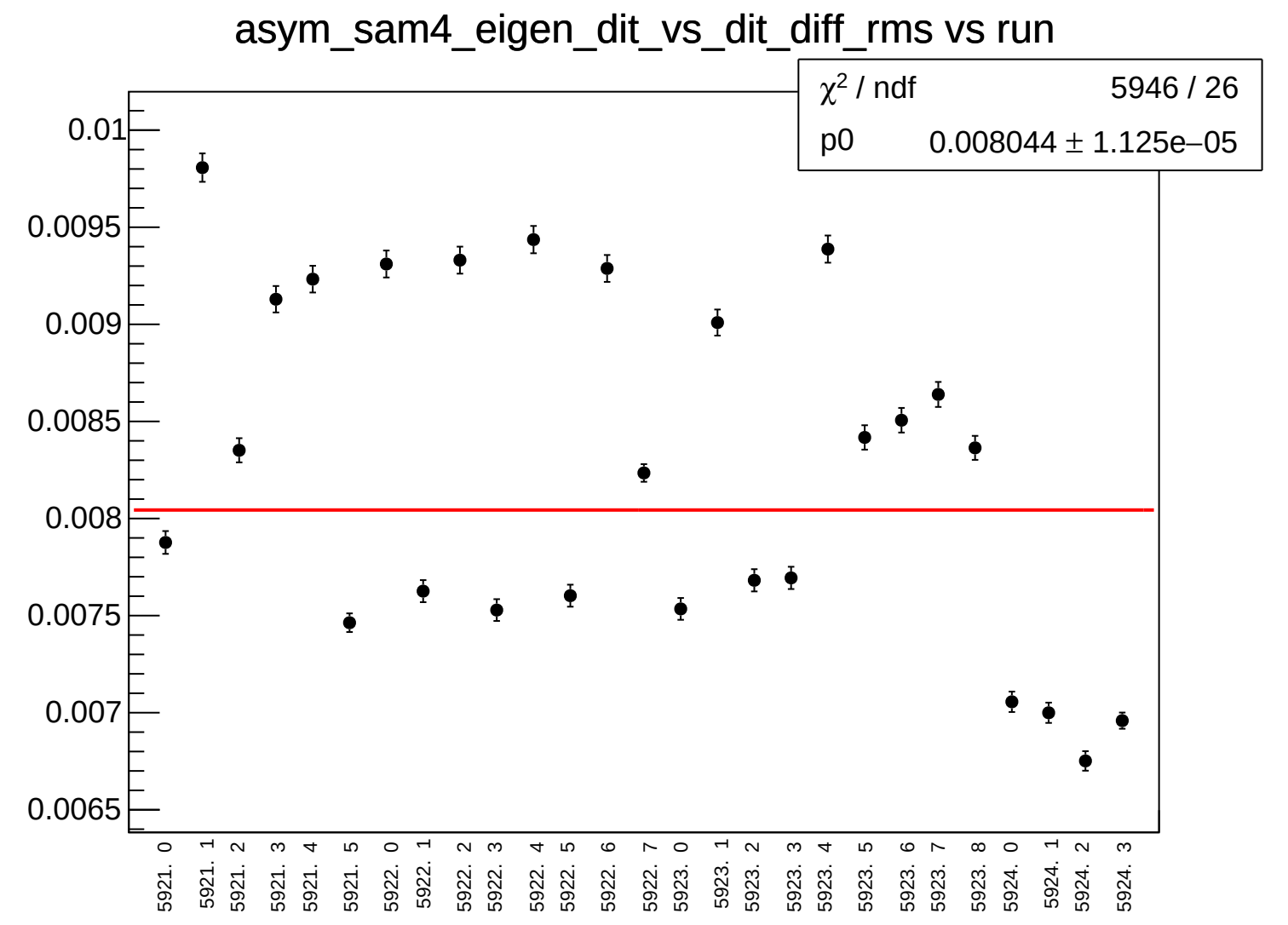

asym_sam4_dit_vs_cor_diff_rms vs run
χ² / ndf 1.943e+04 / 26
p0 104.3 ± 0.1478
160
140
120
100
80
60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

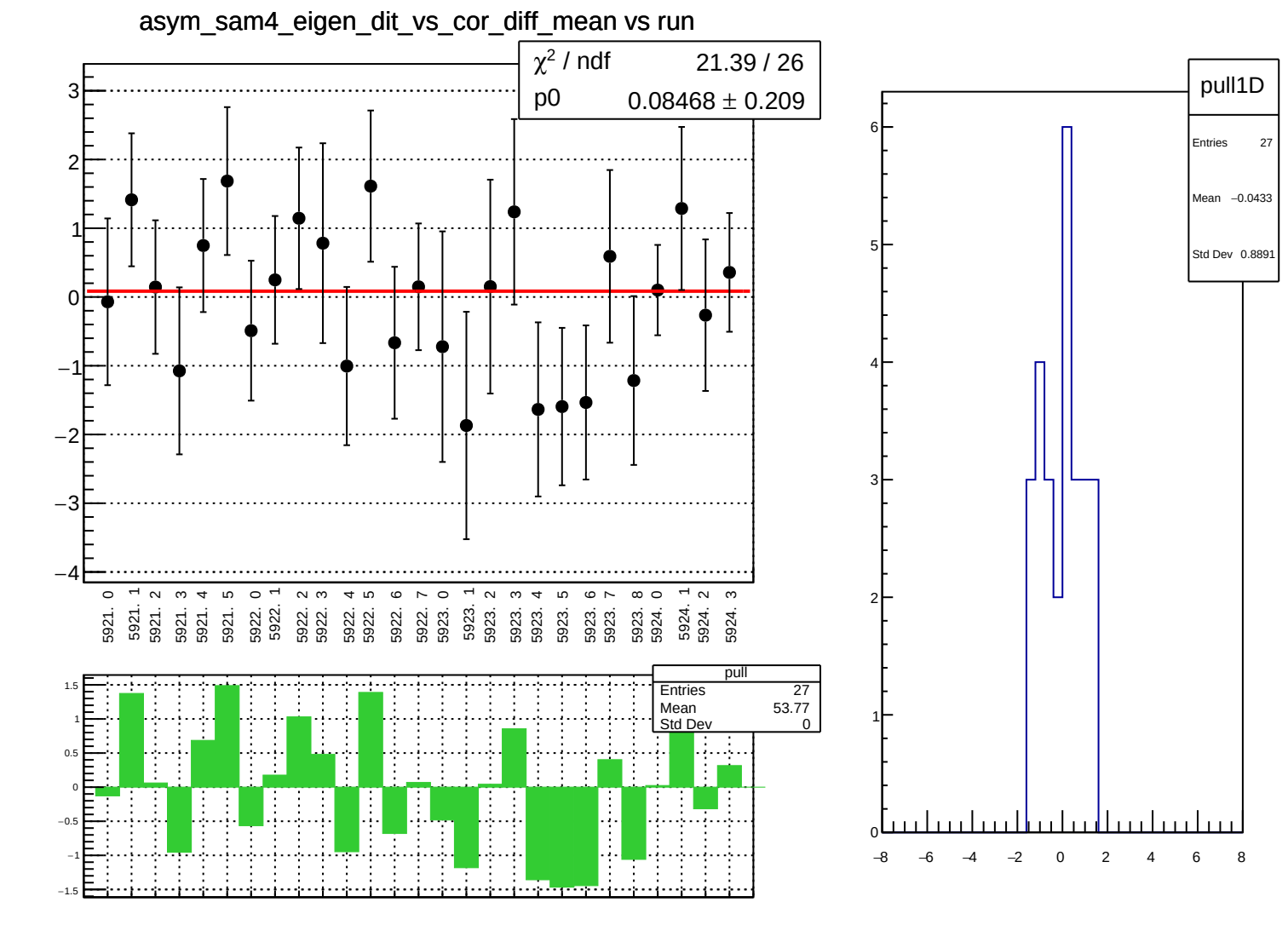

asym_sam4_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 21.39 / 26
p0 0.08467 ± 0.209
pull
Entries 27
Mean 53.77
Std Dev 0
pull1D
Entries 27
Mean −0.04329
Std Dev 0.8891

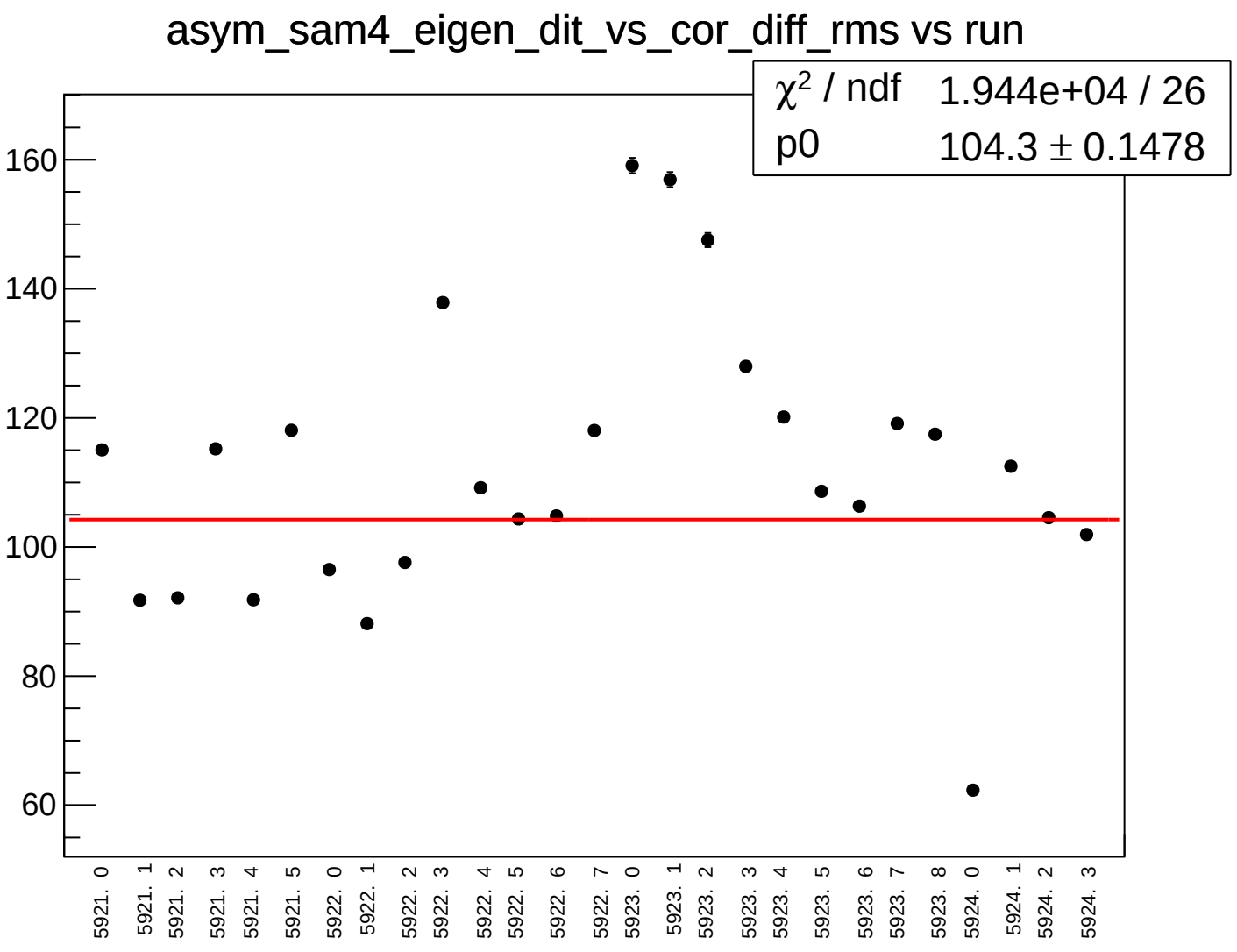

asym_sam4_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.943e+04 / 26
p0 104.3 ± 0.1478
160
140
120
100
80
60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

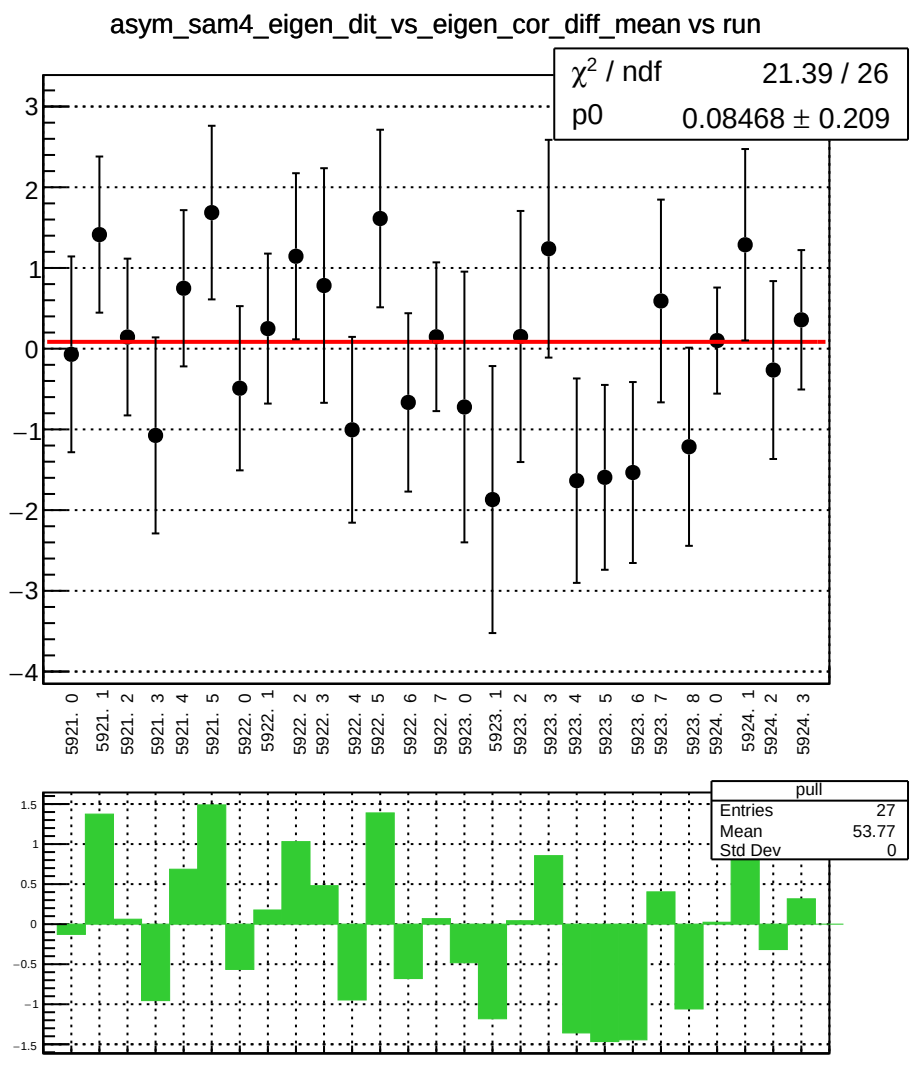

asym_sam4_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 30.94 / 26
p0 2.541e−07 ± 1.591e−05
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 113.7
Std Dev 0
3
2
1
0
−1
−2

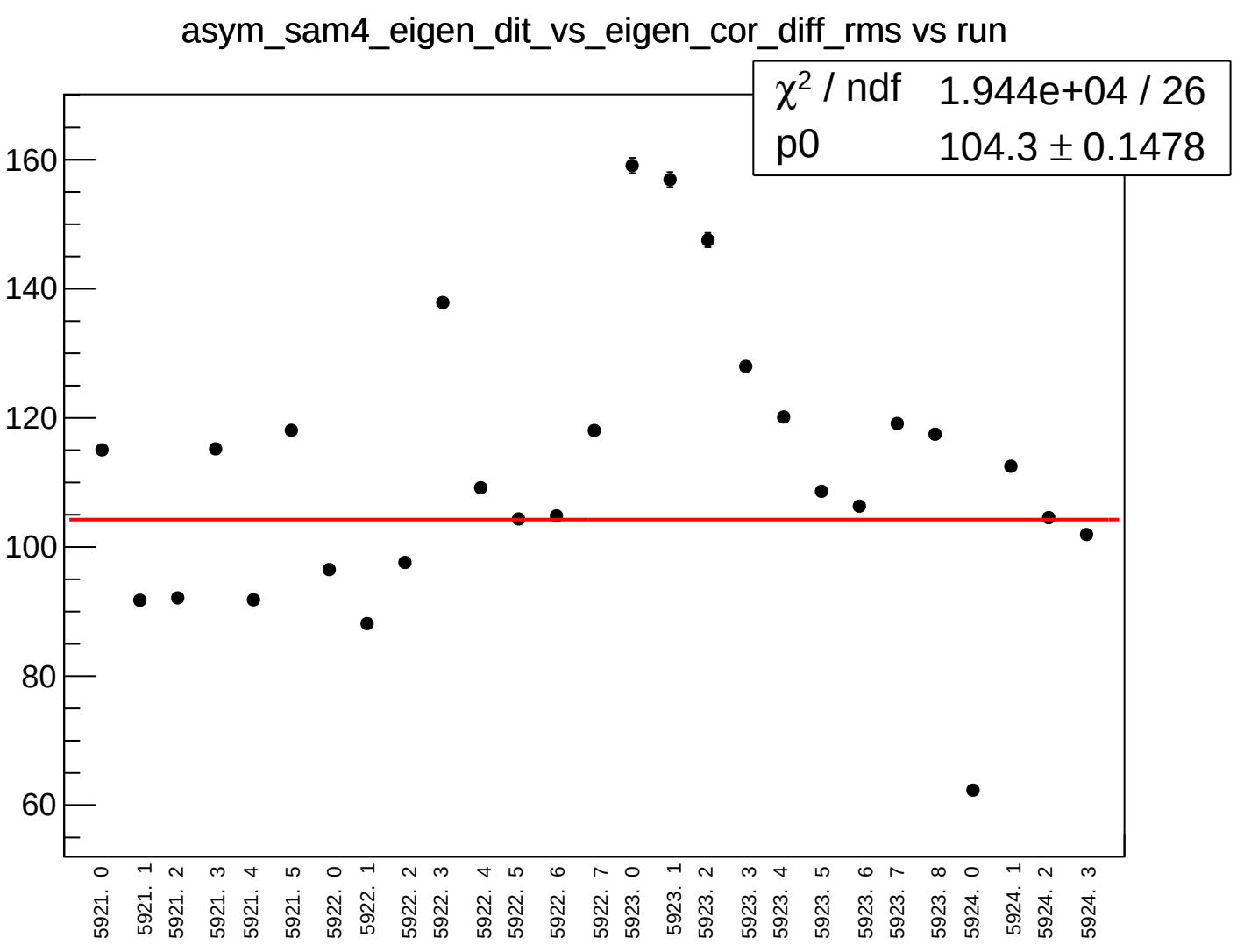

pull1D
Entries 27
Mean −0.03081
Std Dev 1.07
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

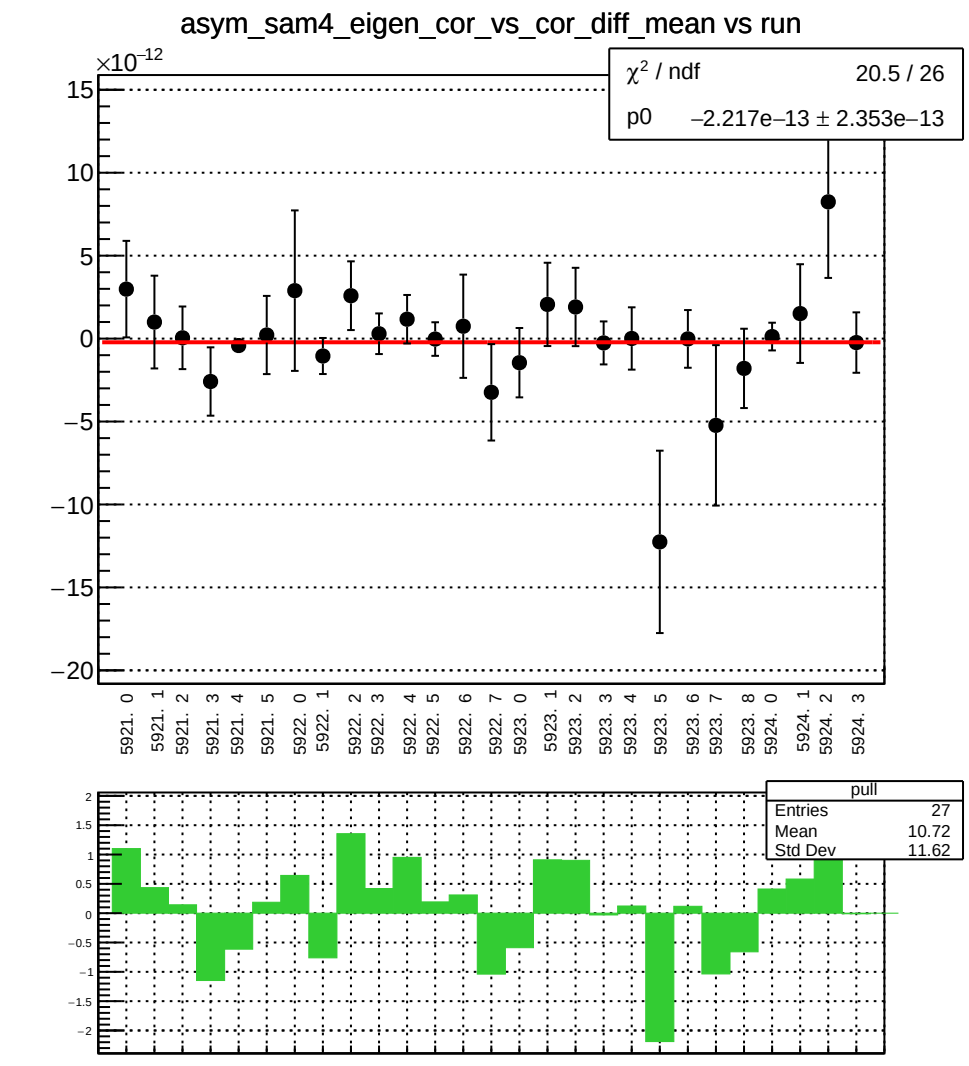

asym_sam4_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5946 / 26
p0 0.008044 ± 1.125e−05
0.01
0.0095
0.009
0.0085
0.008
0.0075
0.007
0.0065
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

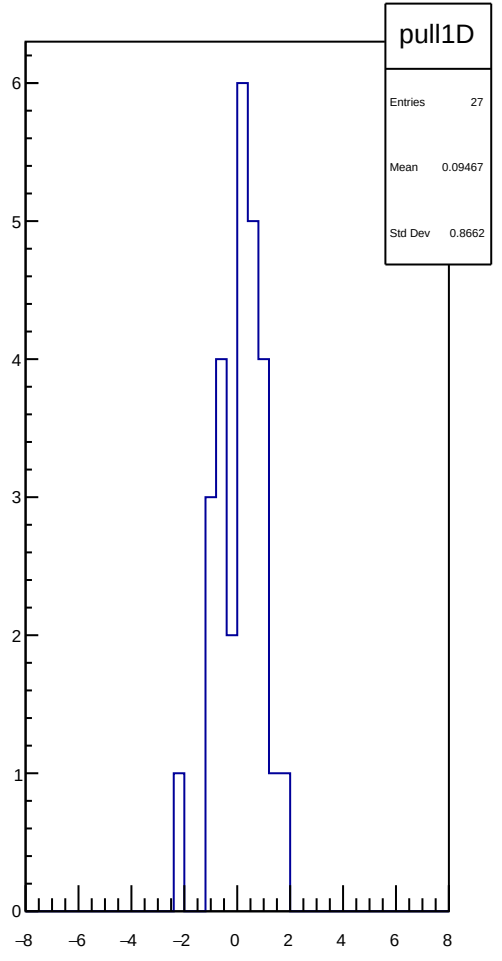

asym_sam4_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 21.39 / 26
p0 0.08468 ± 0.209
pull
Entries 27
Mean 53.77
Std Dev 0
pull1D
Entries 27
Mean −0.0433
Std Dev 0.8891

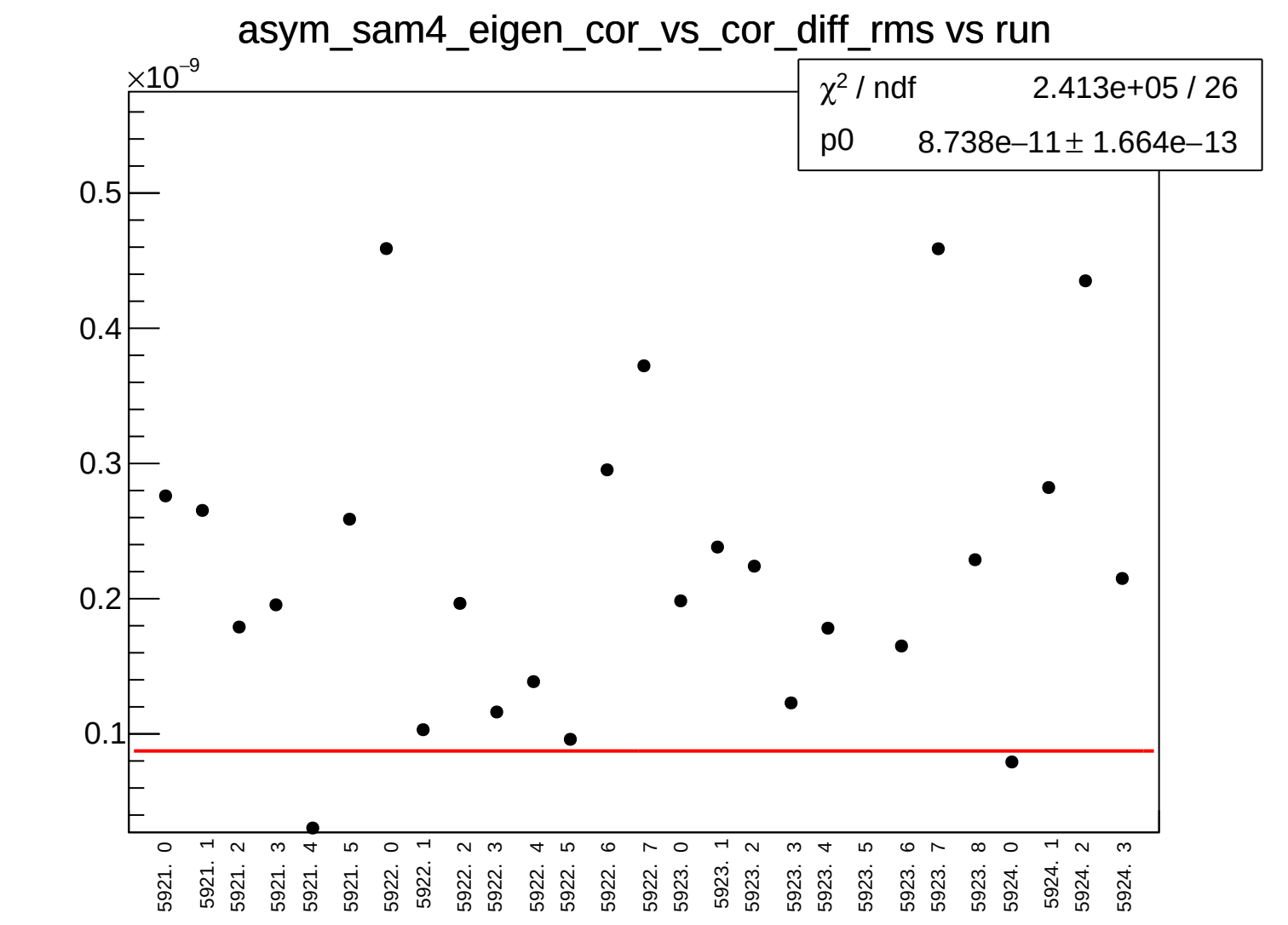

asym_sam4_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.944e+04 / 26
p0 104.3 ± 0.1478
160
140
120
100
80
60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

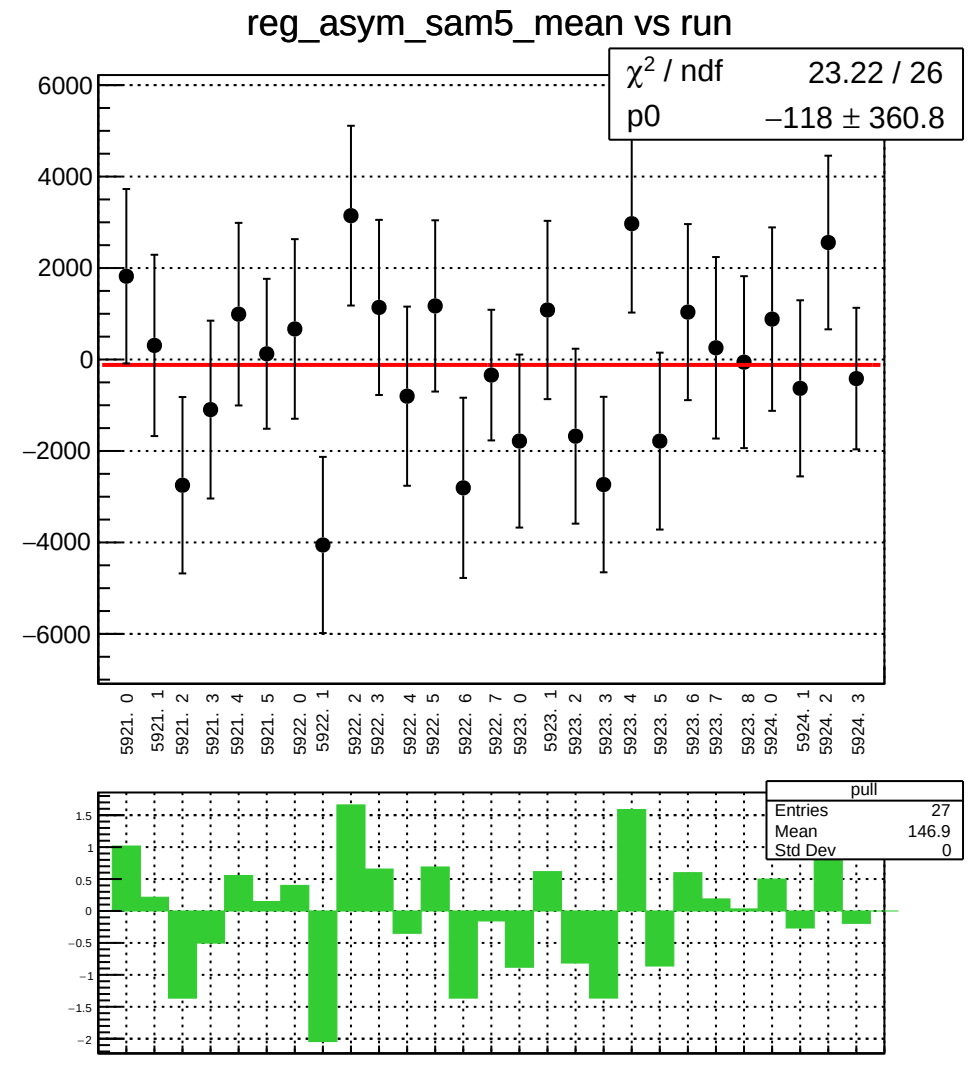

asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 21.39 / 26
p0 0.08468 ± 0.209
pull
Entries 27
Mean 53.77
Std Dev 0
pull1D
Entries 27
Mean −0.0433
Std Dev 0.8891

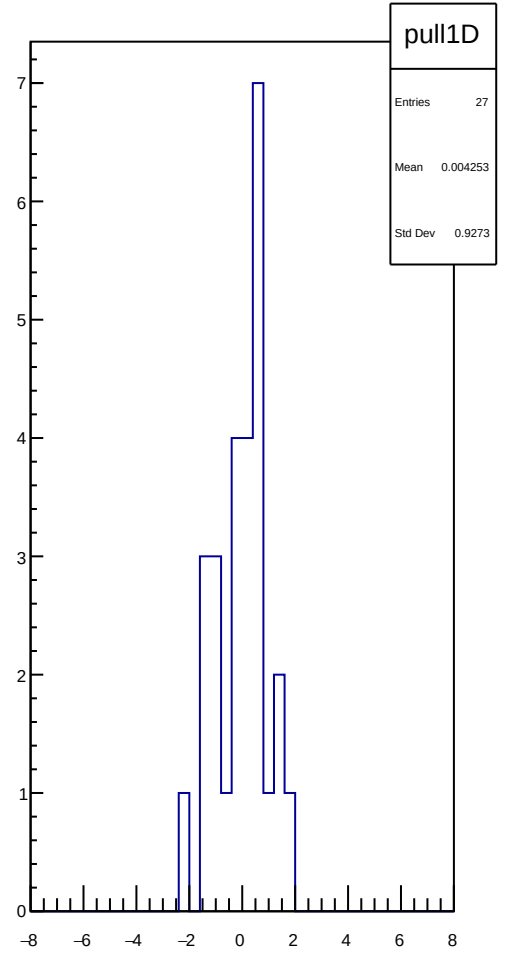

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.944e+04 / 26
p0 104.3 ± 0.1478
160
140
120
100
80
60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

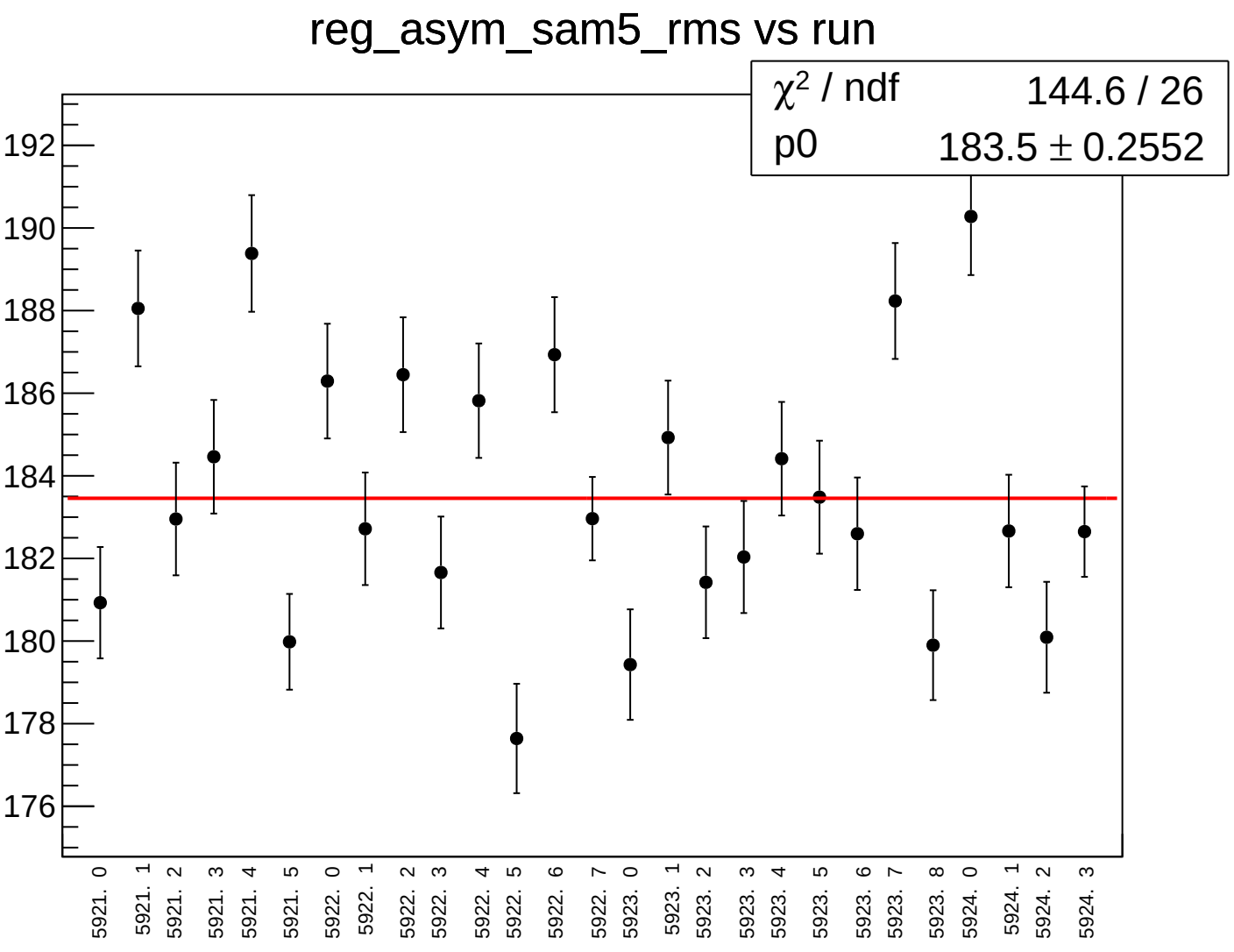

asym_sam4_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 20.5 / 26
p0 −2.217e−13 ± 2.353e−13
15
10
5
0
−5
−10
−15
−20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 10.72
Std Dev 11.62
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

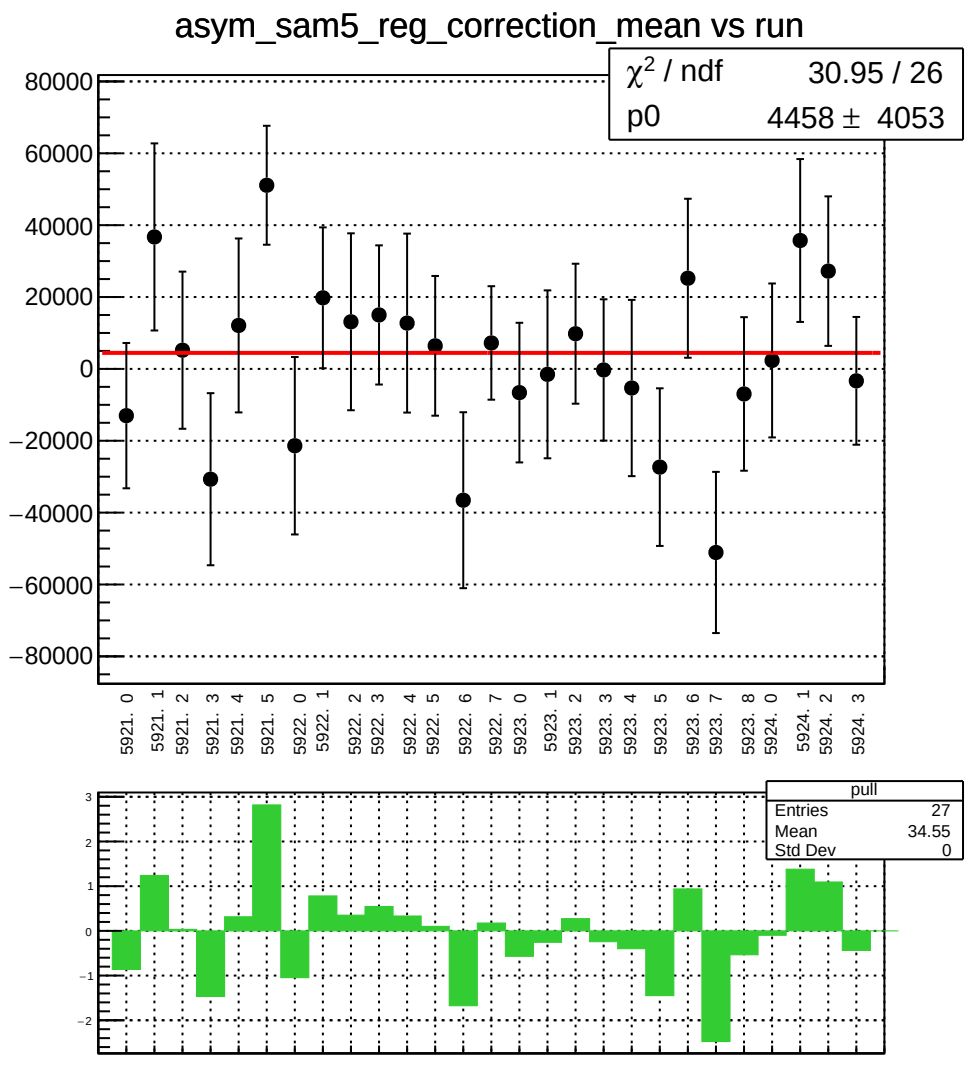

pull1D
Entries 27
Mean 0.09467
Std Dev 0.8662
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

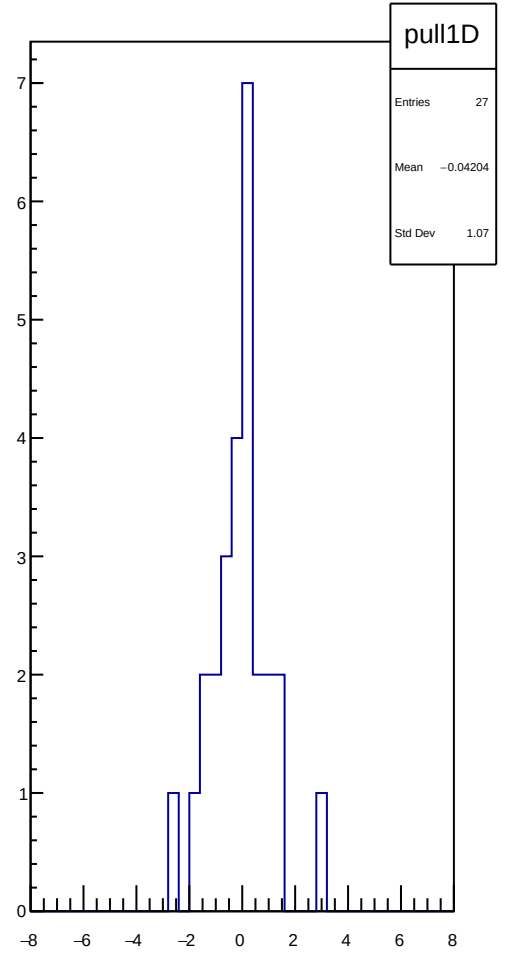

asym_sam4_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.413e+05 / 26
p0 8.738e−11 ± 1.664e−13
0.5
0.4
0.3
0.2
0.1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

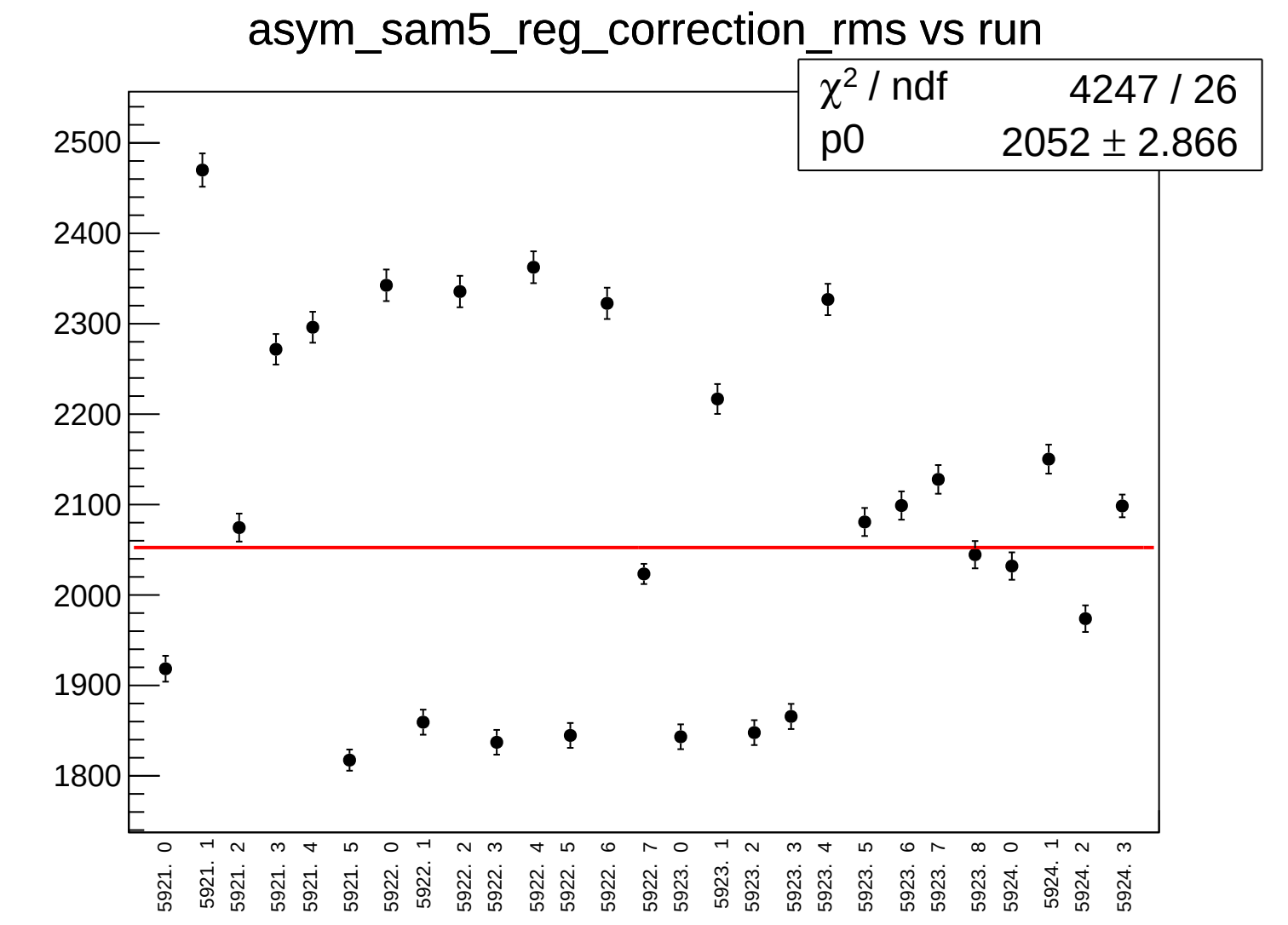

reg_asym_sam5_mean vs run
χ² / ndf 23.22 / 26
p0 −118 ± 360.8
6000
4000
2000
0
−2000
−4000
−6000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 146.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

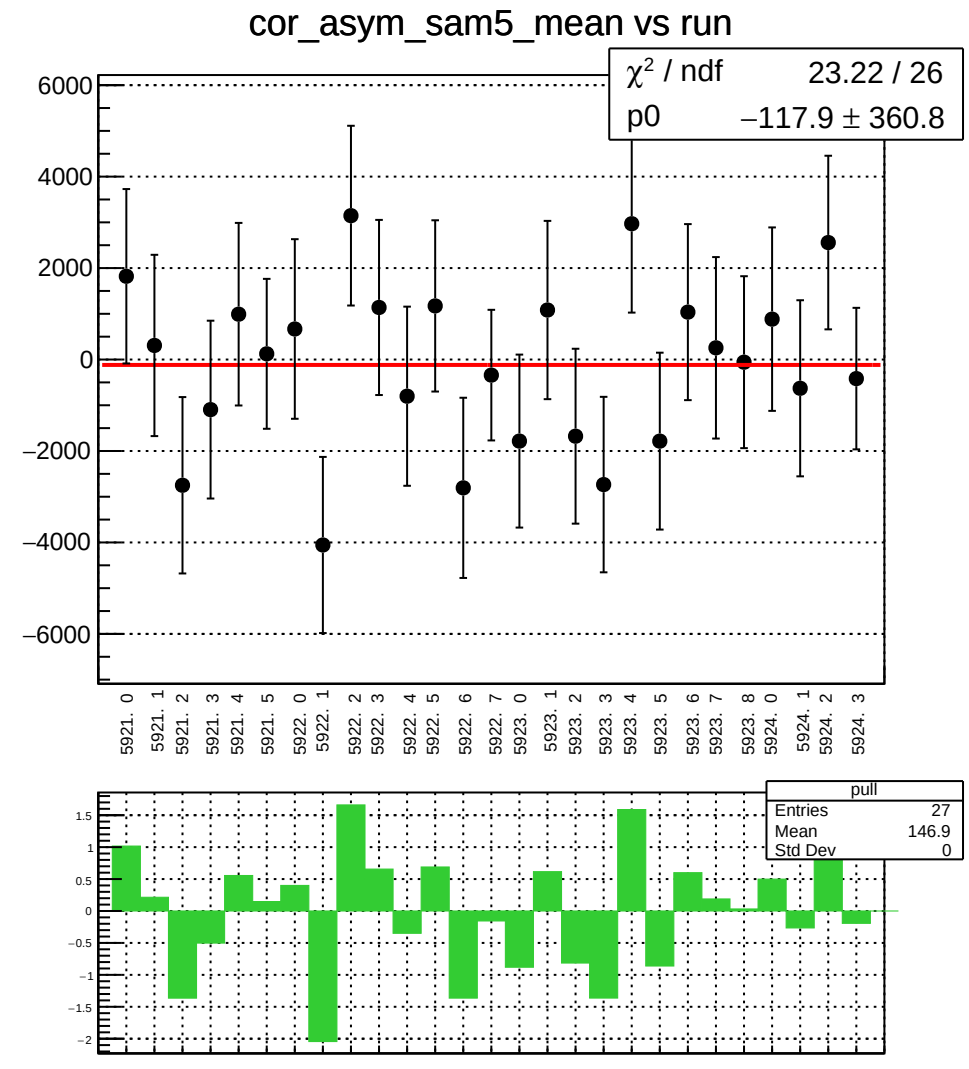

pull1D
Entries 27
Mean 0.004253
Std Dev 0.9273
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

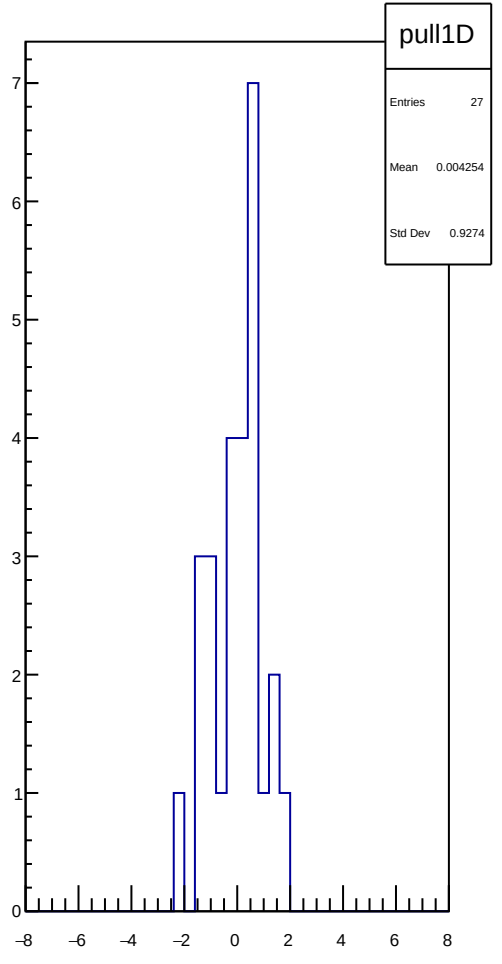

reg_asym_sam5_rms vs run
χ² / ndf 144.6 / 26
p0 183.5 ± 0.2552
192
190
188
186
184
182
180
178
176
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

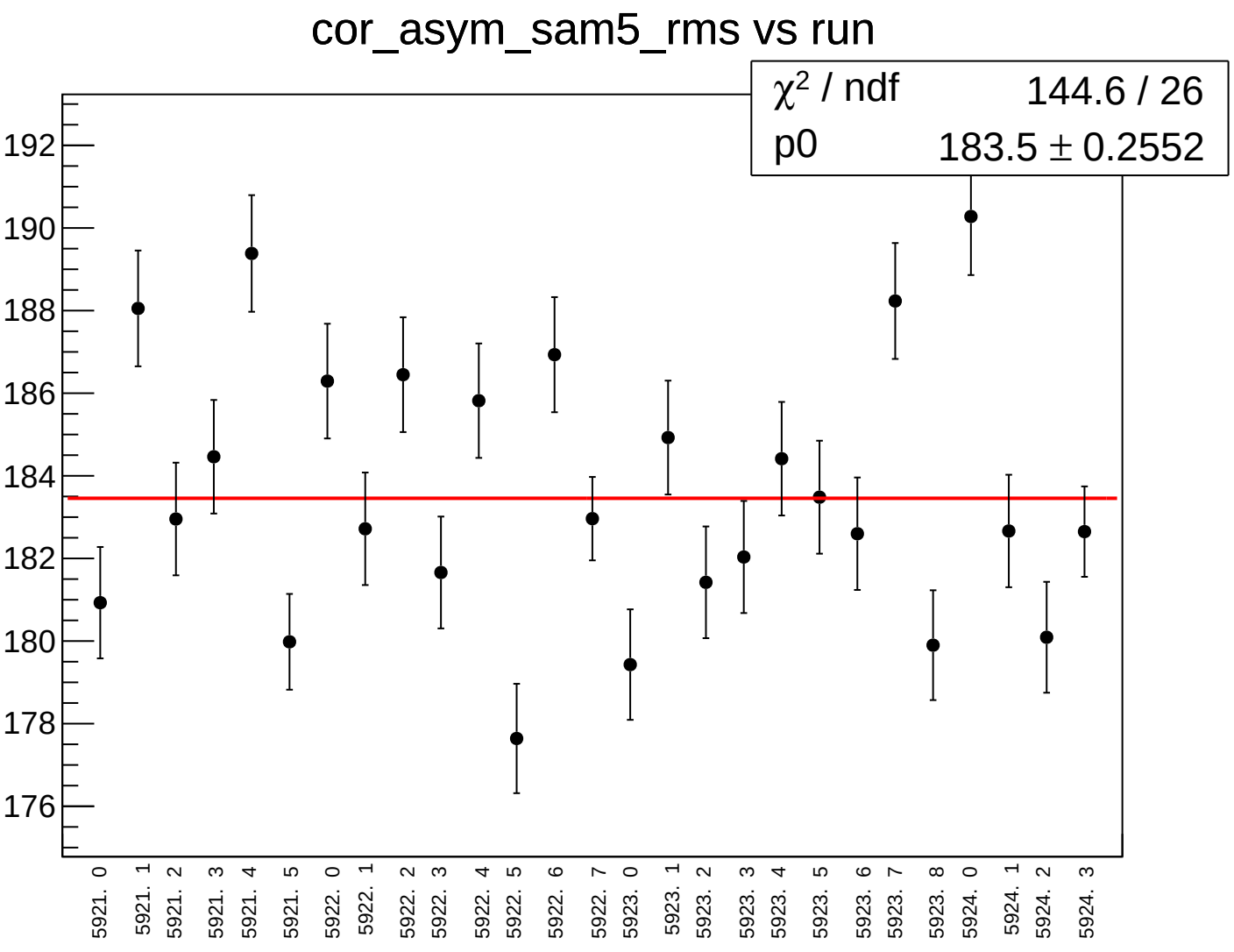

asym_sam5_reg_correction_mean vs run
χ² / ndf 30.95 / 26
p0 4458 ± 4053
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 34.55
Std Dev 0
3
2
1
0
−1
−2

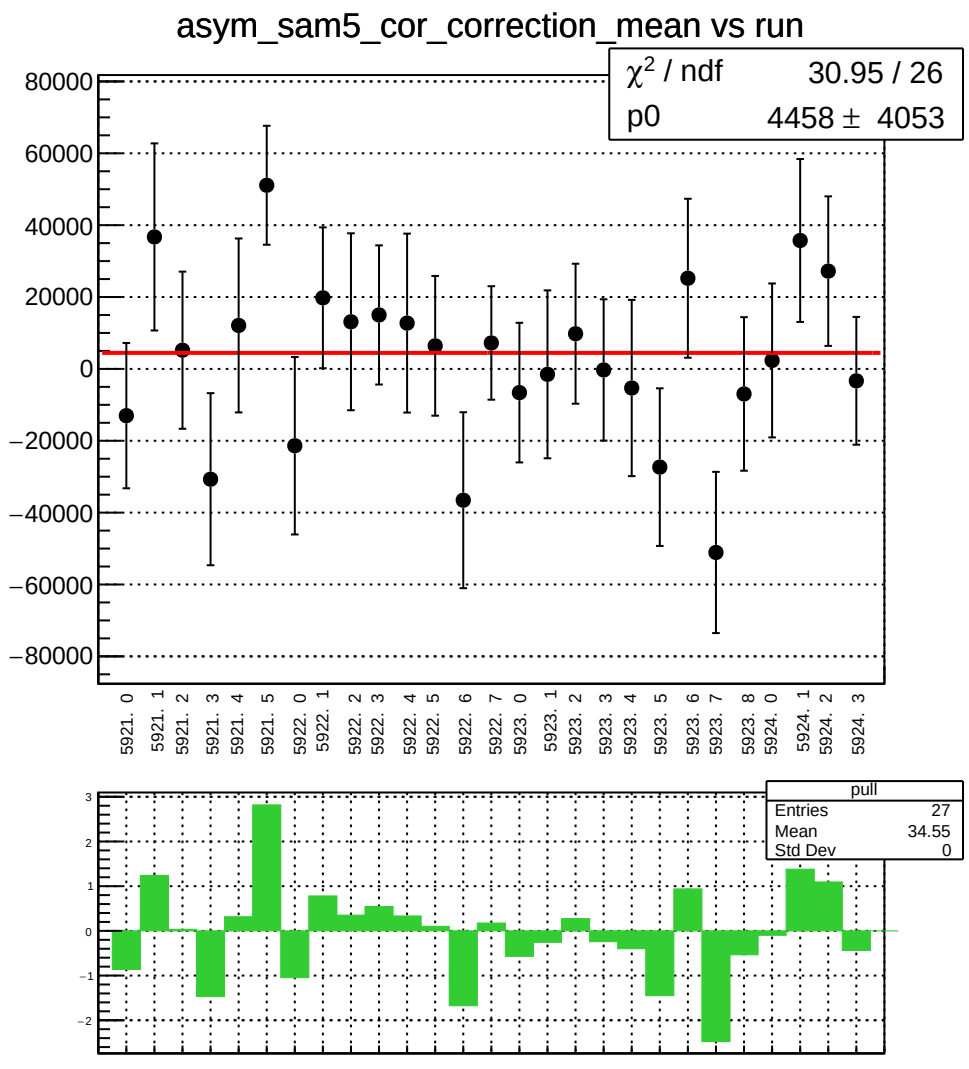

pull1D
Entries 27
Mean −0.04204
Std Dev 1.07
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

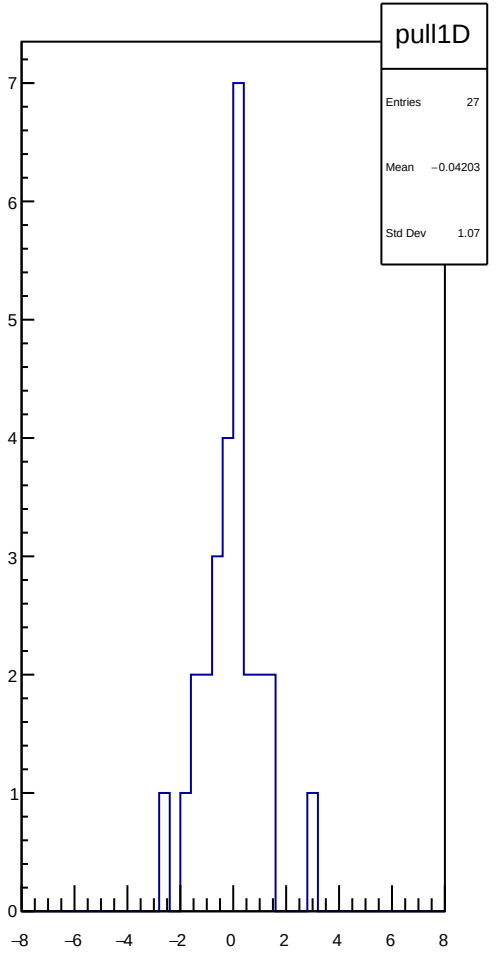

asym_sam5_reg_correction_rms vs run
χ² / ndf 4247 / 26
p0 2052 ± 2.866
2500
2400
2300
2200
2100
2000
1900
1800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

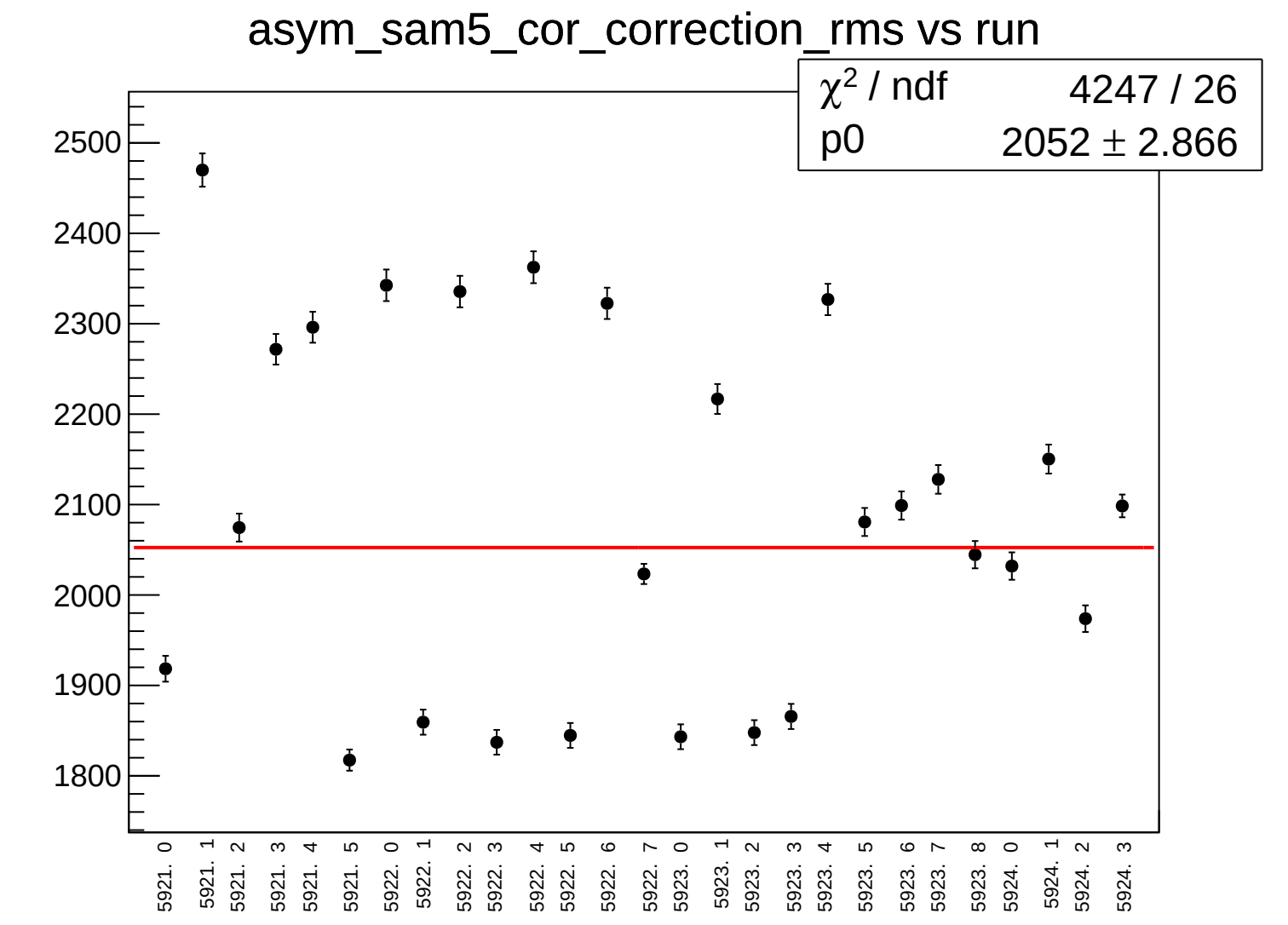

cor_asym_sam5_mean vs run
χ² / ndf 23.22 / 26
p0 −117.9 ± 360.8
6000
4000
2000
0
−2000
−4000
−6000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 146.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

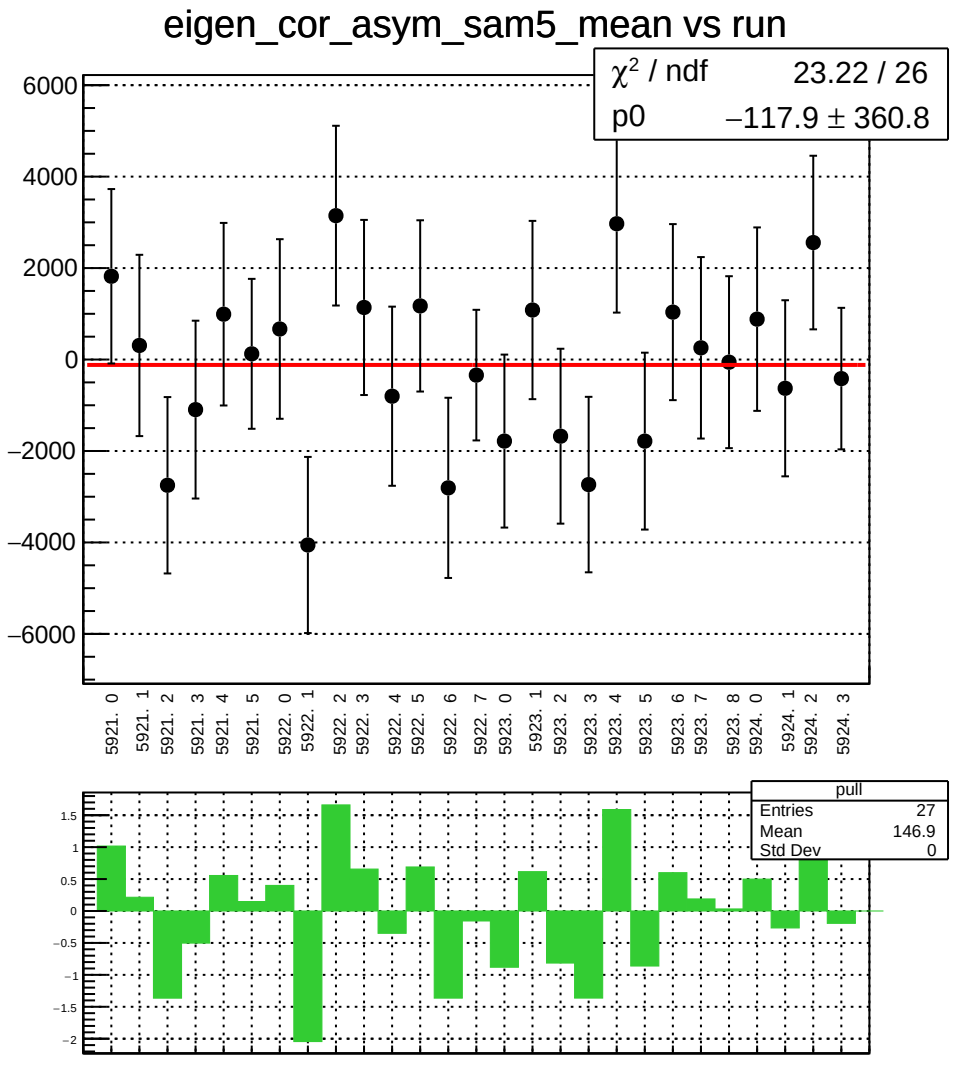

pull1D
Entries 27
Mean 0.004254
Std Dev 0.9274
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

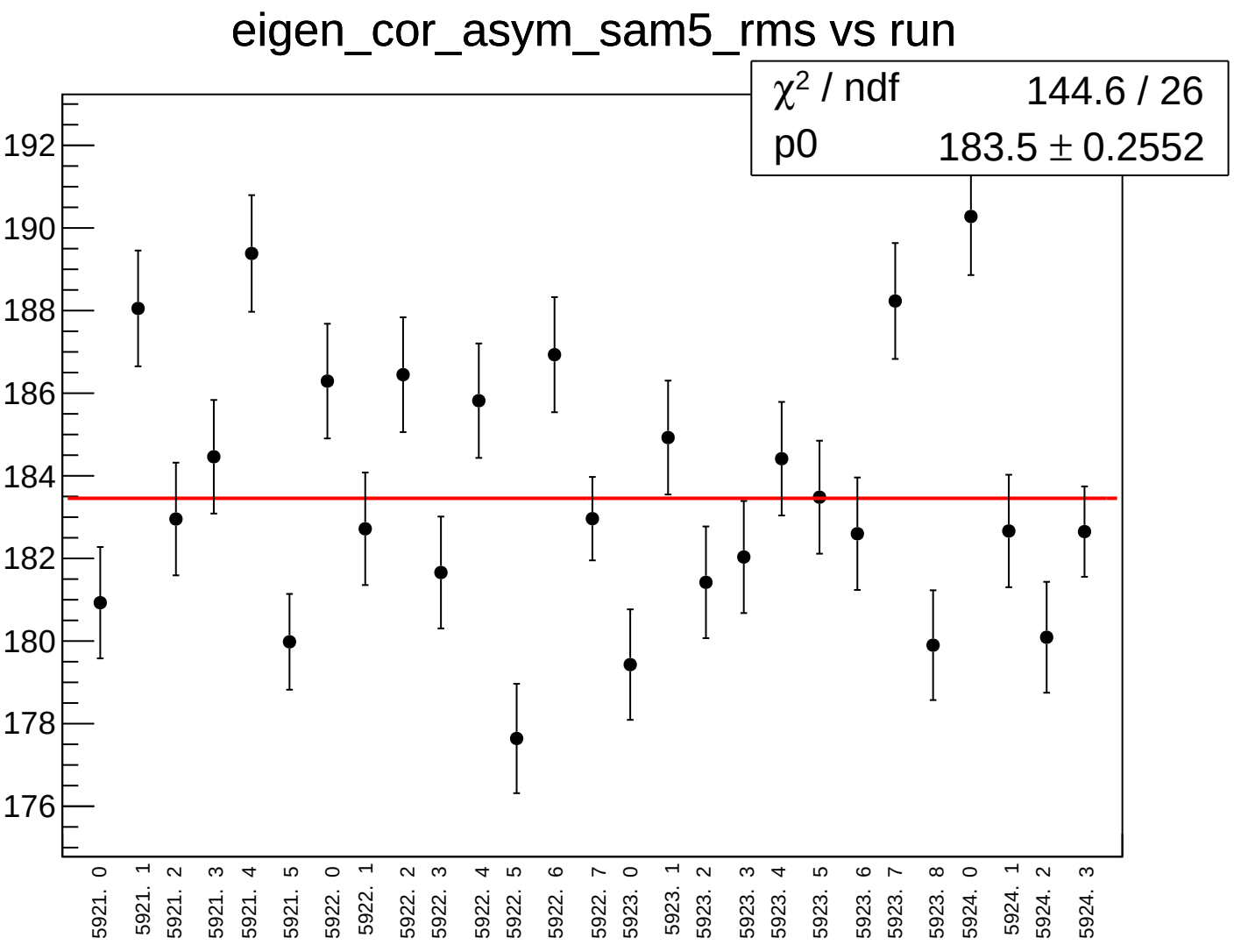

cor_asym_sam5_rms vs run
χ² / ndf 144.6 / 26
p0 183.5 ± 0.2552
192
190
188
186
184
182
180
178
176
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

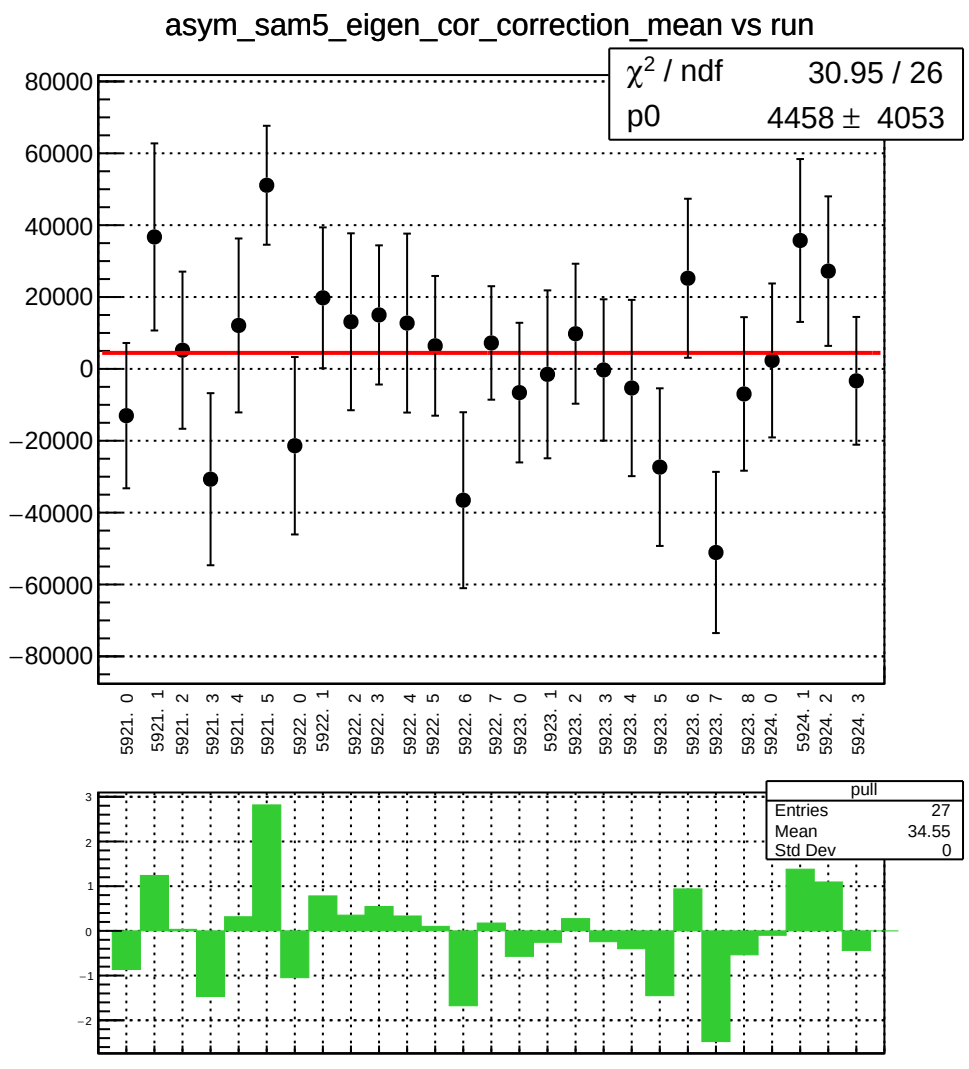

asym_sam5_cor_correction_mean vs run
χ² / ndf 30.95 / 26
p0 4458 ± 4053
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 34.55
Std Dev 0
3
2
1
0
−1
−2

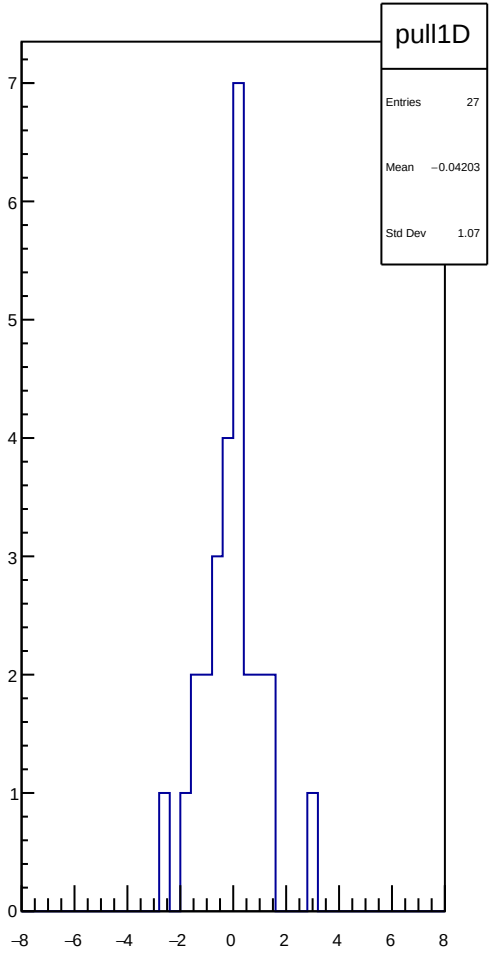

pull1D
Entries 27
Mean −0.04203
Std Dev 1.07
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

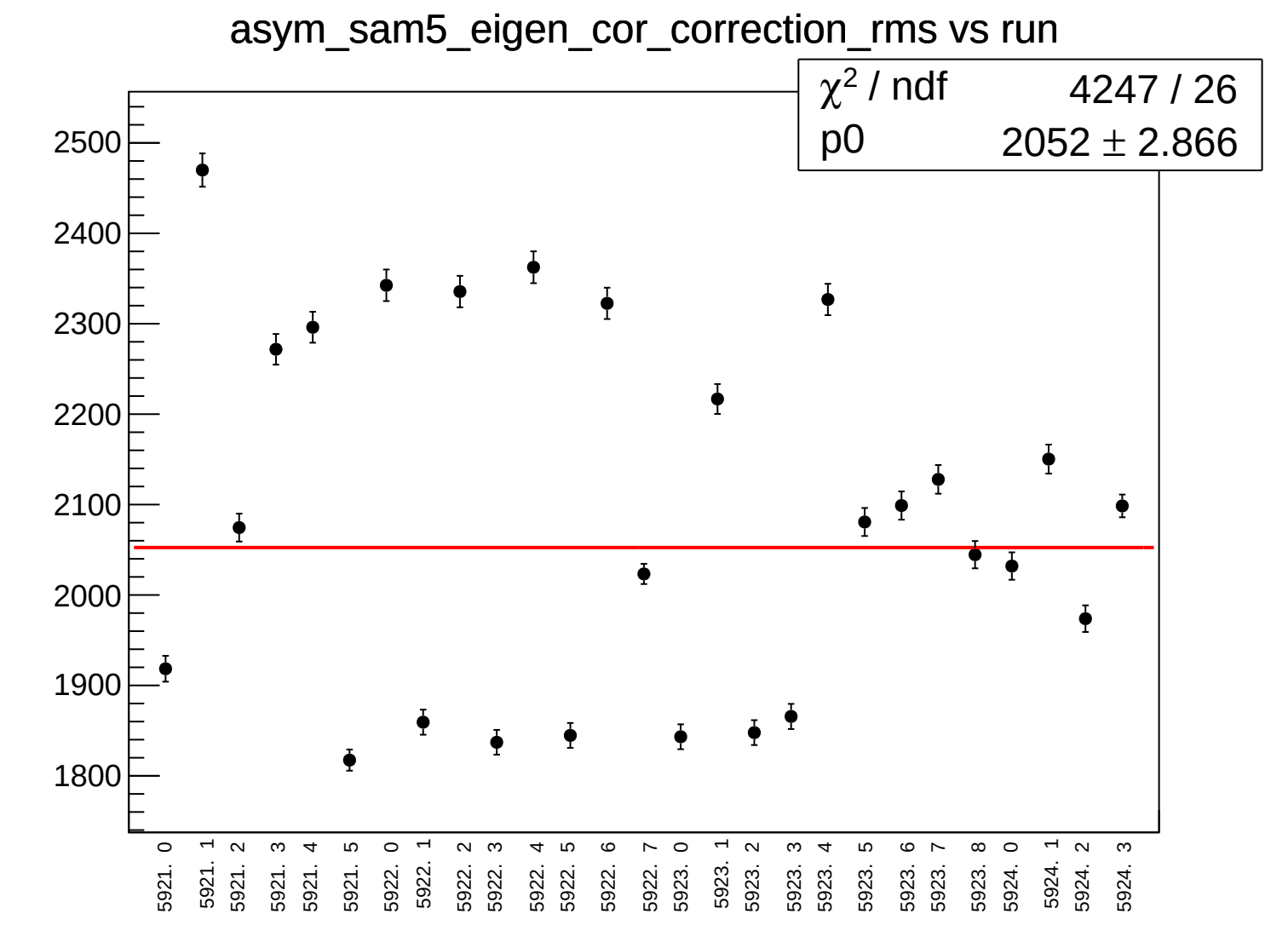

asym_sam5_cor_correction_rms vs run
χ² / ndf 4247 / 26
p0 2052 ± 2.866
2500
2400
2300
2200
2100
2000
1900
1800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

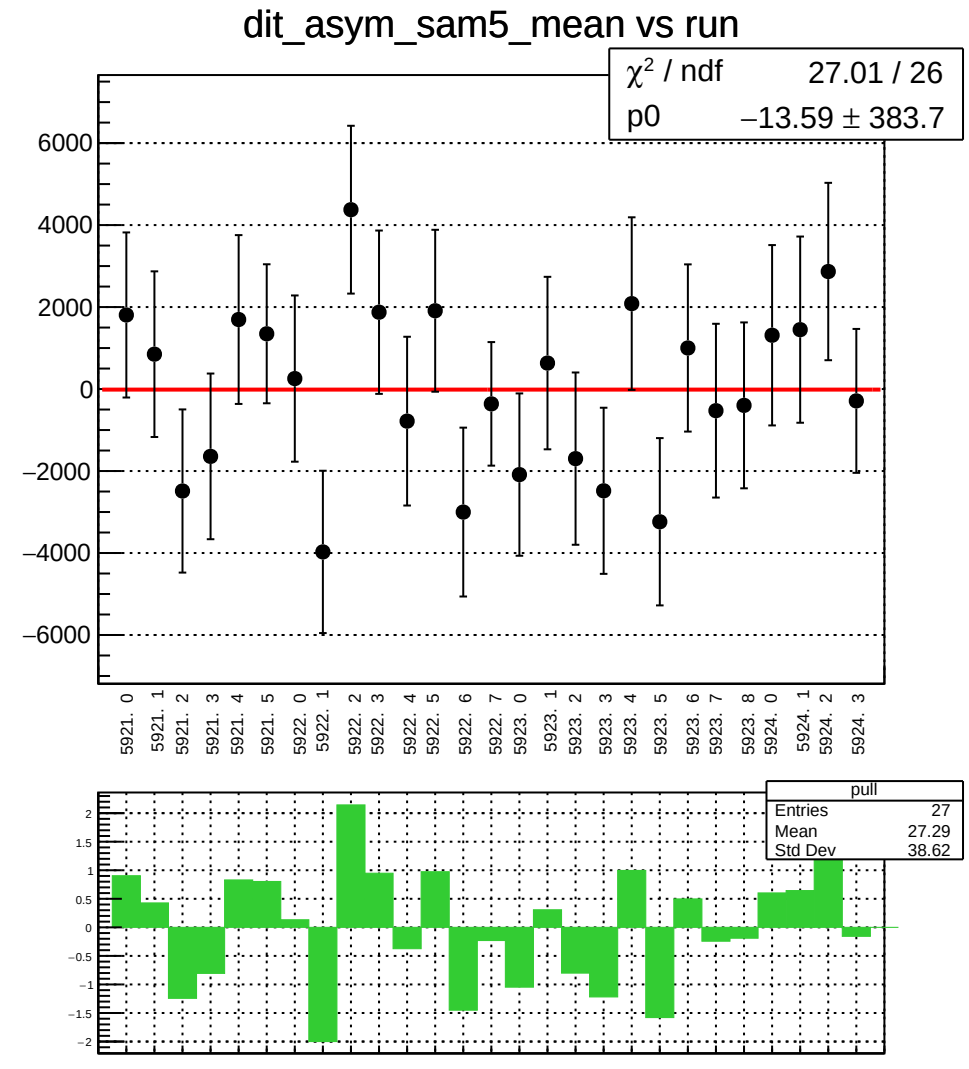

eigen_cor_asym_sam5_mean vs run
χ² / ndf 23.22 / 26
p0 −117.9 ± 360.8
6000
4000
2000
0
−2000
−4000
−6000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 146.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean 0.004254
Std Dev 0.9274
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

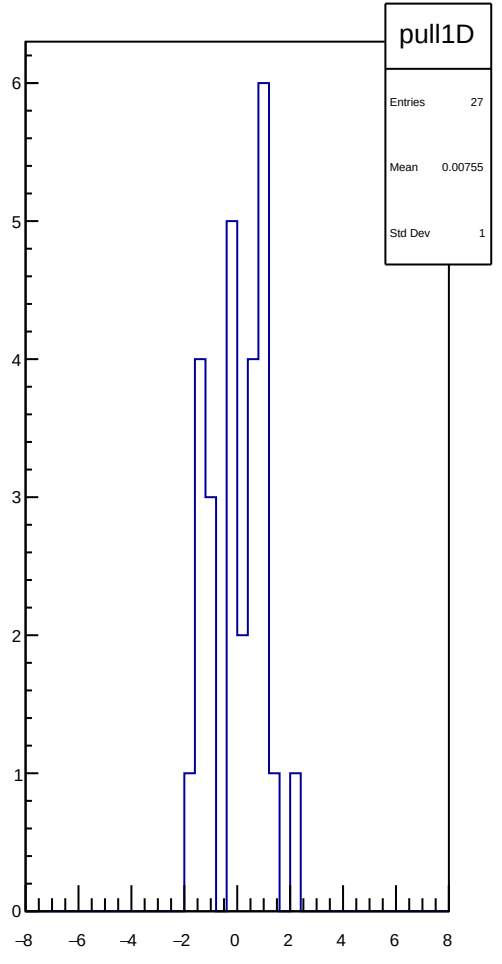

eigen_cor_asym_sam5_rms vs run
χ² / ndf 144.6 / 26
p0 183.5 ± 0.2552
192
190
188
186
184
182
180
178
176
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

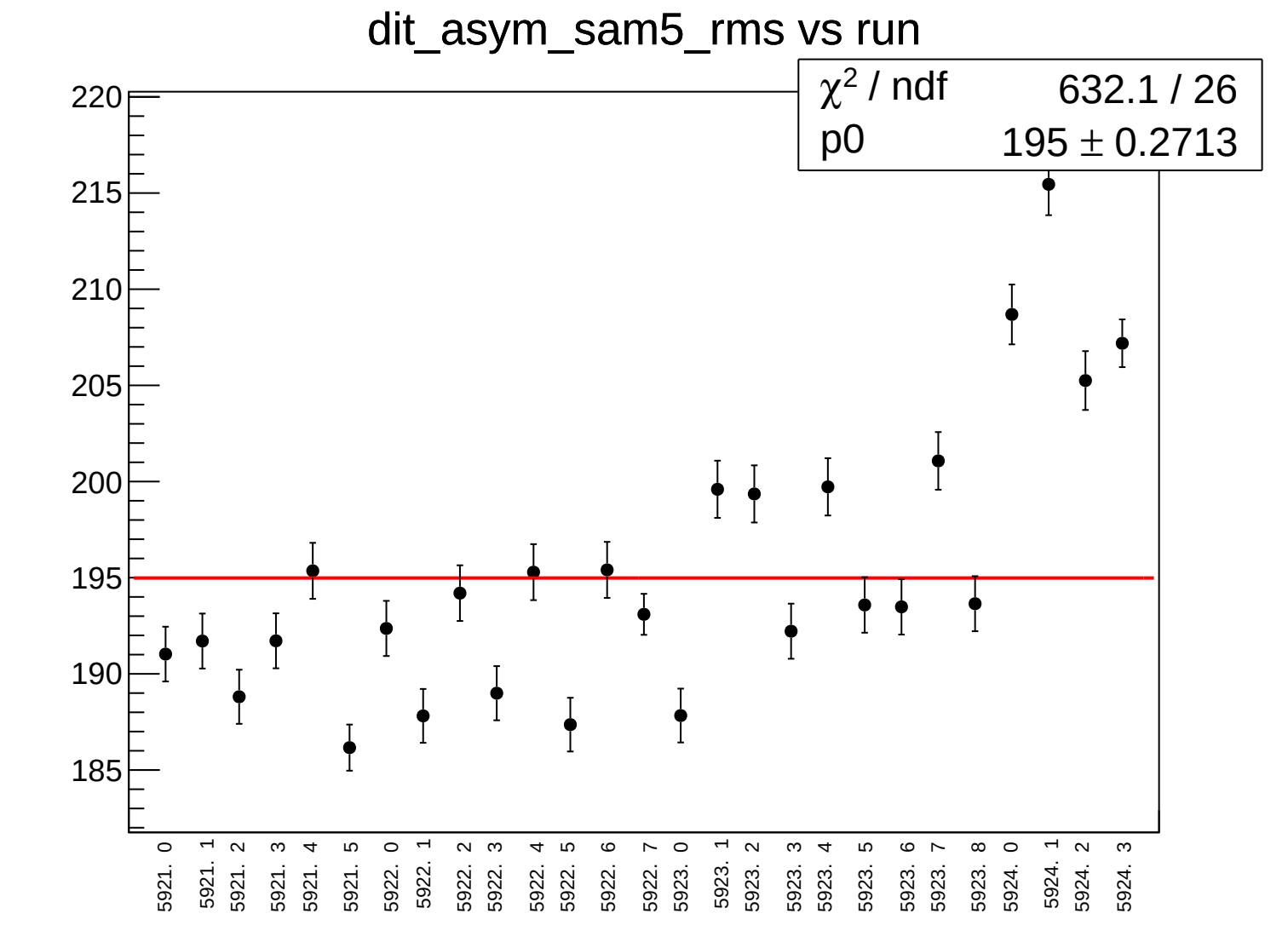

asym_sam5_eigen_cor_correction_mean vs run
χ² / ndf 30.95 / 26
p0 4458 ± 4053
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 34.55
Std Dev 0
3
2
1
0
−1
−2

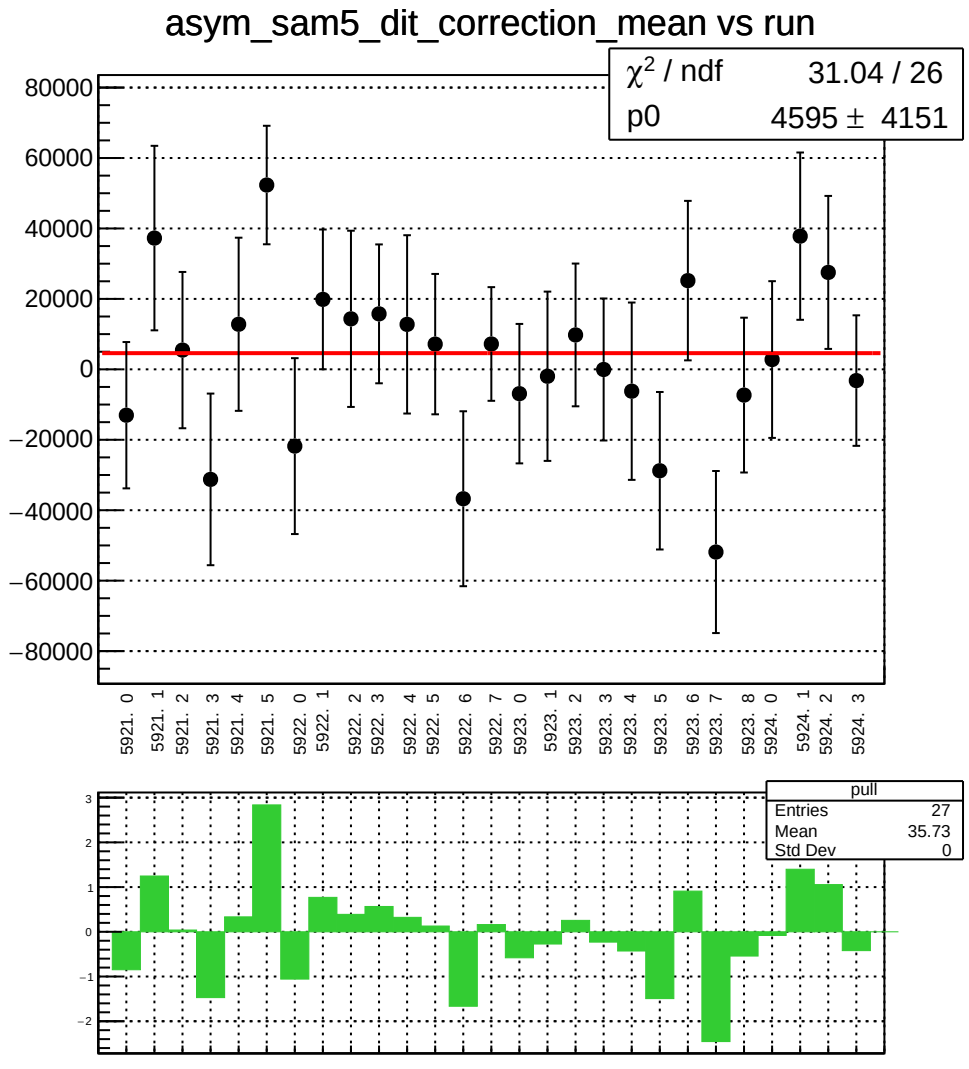

pull1D
Entries 27
Mean −0.04203
Std Dev 1.07
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

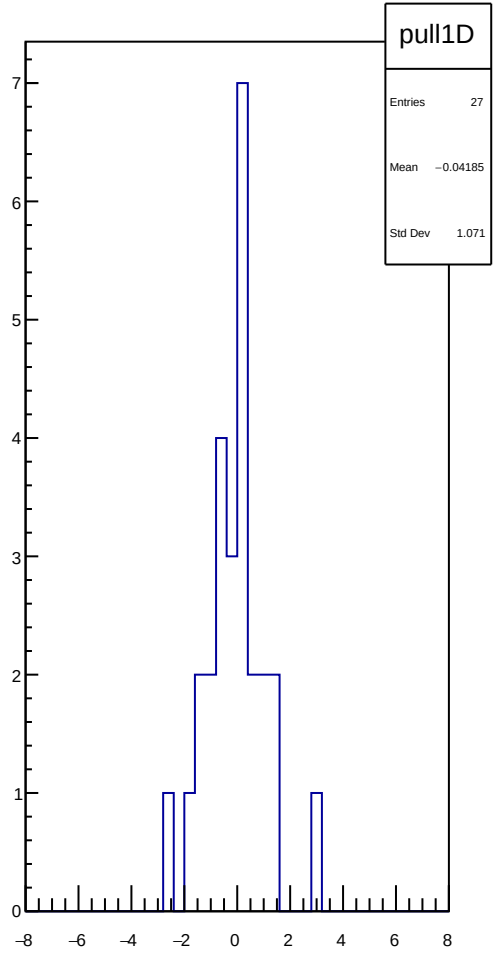

asym_sam5_eigen_cor_correction_rms vs run
χ² / ndf 4247 / 26
p0 2052 ± 2.866
2500
2400
2300
2200
2100
2000
1900
1800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

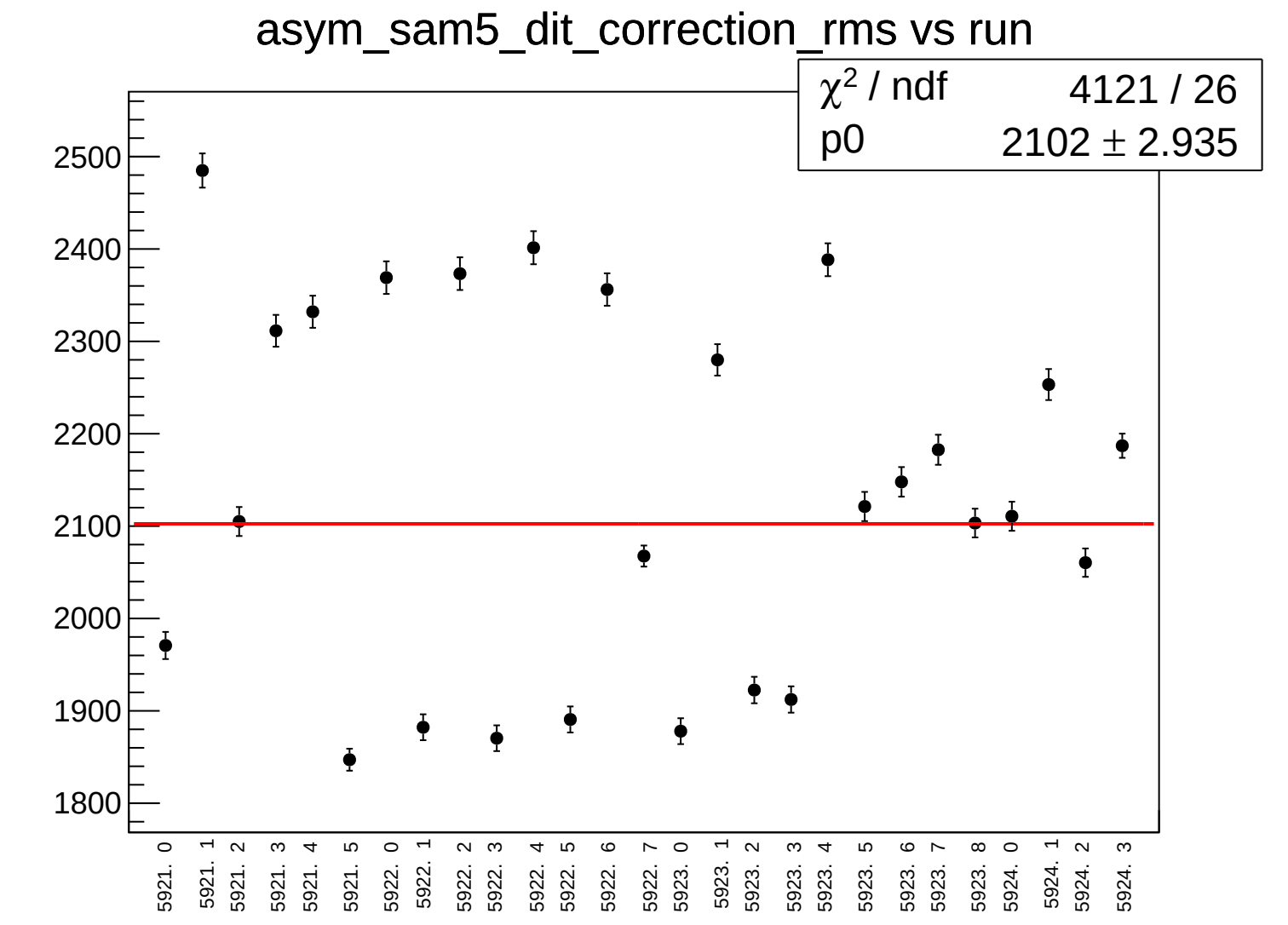

dit_asym_sam5_mean vs run
χ² / ndf 27.01 / 26
p0 −13.59 ± 383.7
6000
4000
2000
0
−2000
−4000
−6000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 27.29
Std Dev 38.62
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

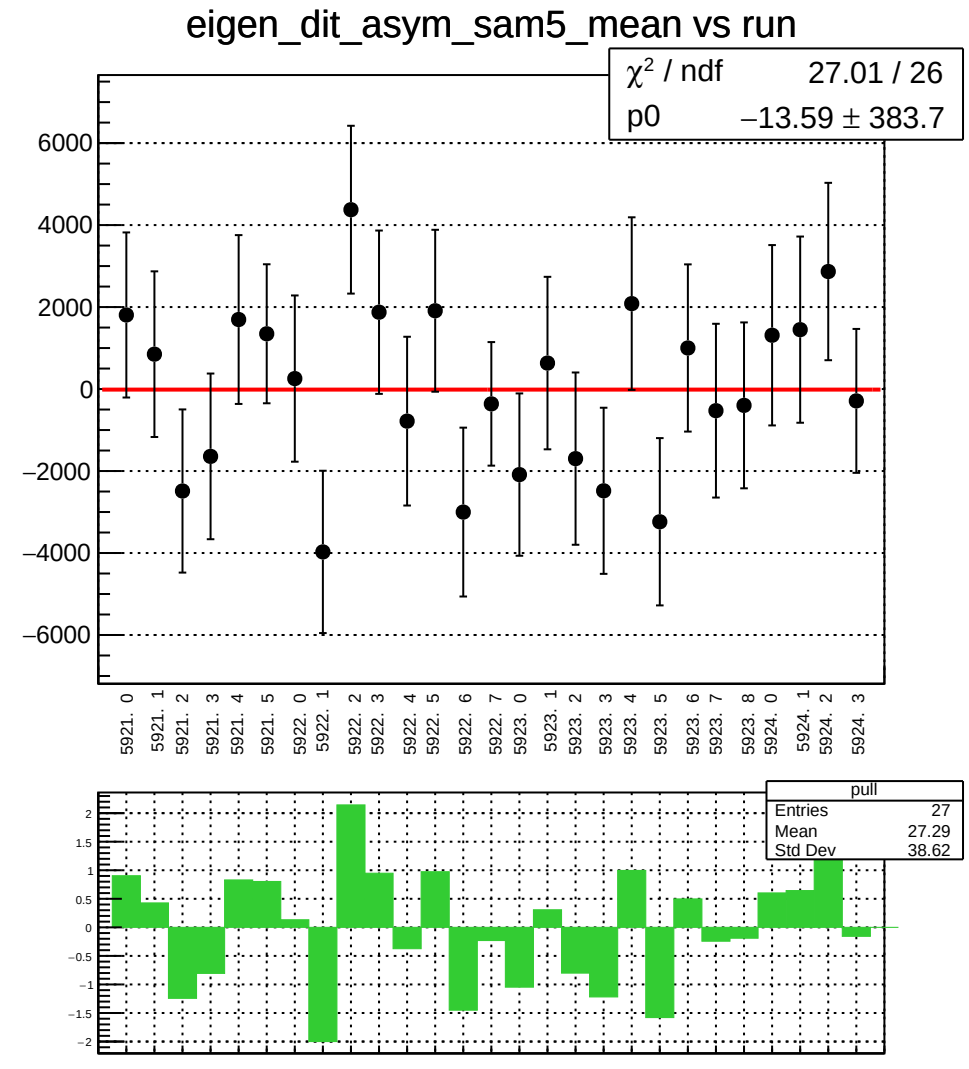

pull1D
Entries 27
Mean 0.00755
Std Dev 1
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

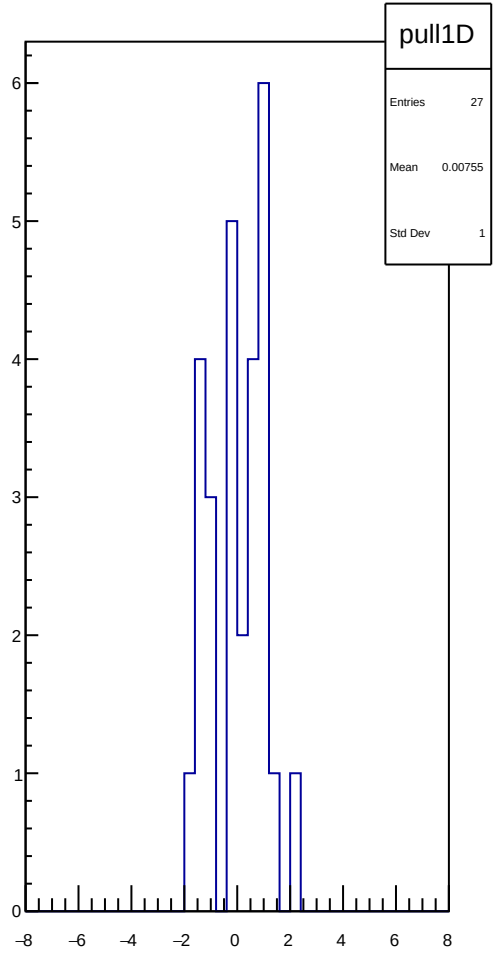

dit_asym_sam5_rms vs run
χ^2 / ndf 632.1 / 26
p0 195 ± 0.2713
220
215
210
205
200
195
190
185
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

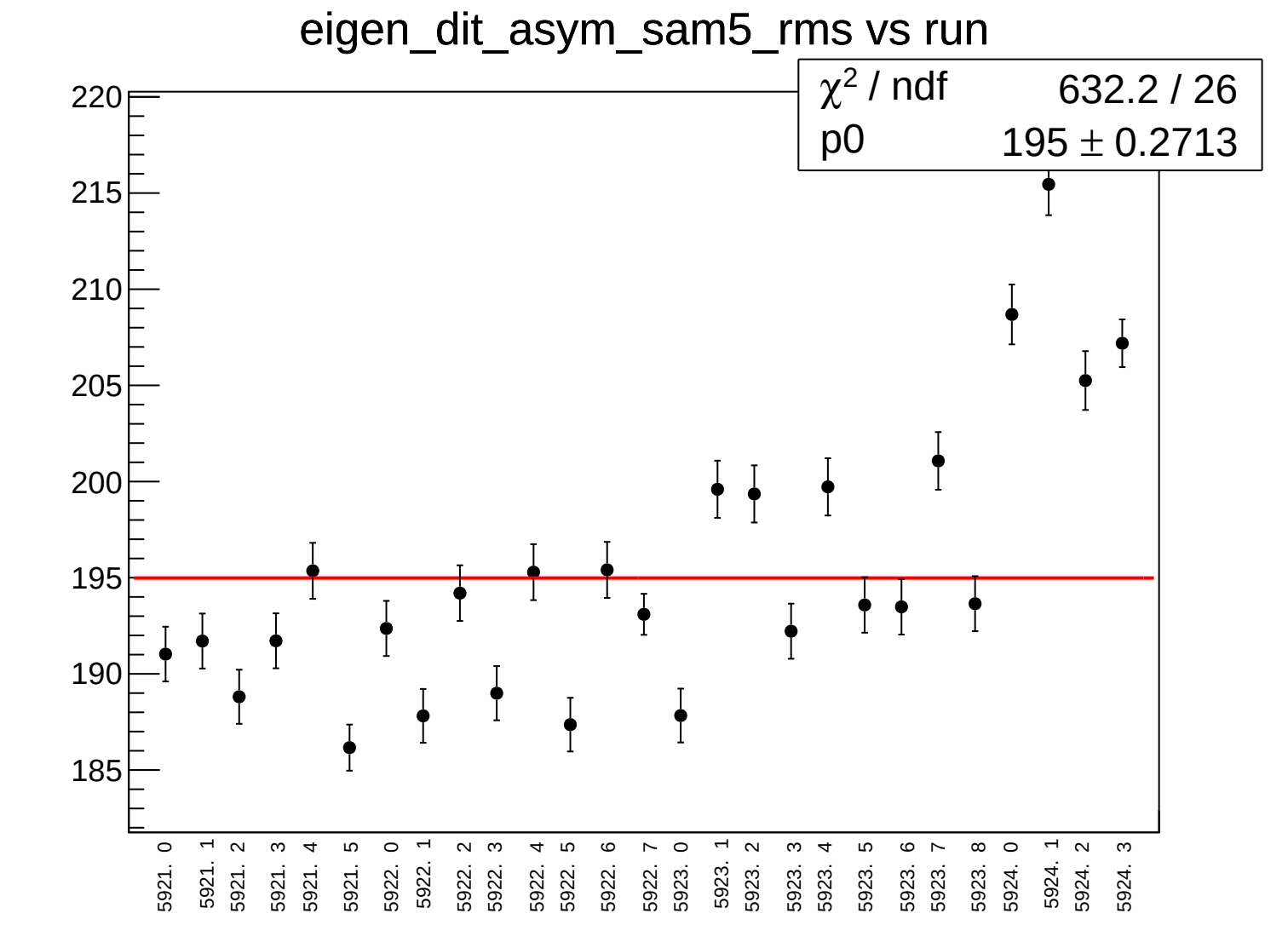

asym_sam5_dit_correction_mean vs run
χ² / ndf 31.04 / 26
p0 4595 ± 4151
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 35.73
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 27
Mean −0.04185
Std Dev 1.071
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam5_dit_correction_rms vs run
χ² / ndf 4121 / 26
p0 2102 ± 2.935
2500
2400
2300
2200
2100
2000
1900
1800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


eigen_dit_asym_sam5_mean vs run
χ² / ndf 27.01 / 26
p0 −13.59 ± 383.7
6000
4000
2000
0
−2000
−4000
−6000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 27.29
Std Dev 38.62
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 27
Mean 0.00755
Std Dev 1
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_sam5_rms vs run
χ^2 / ndf 632.2 / 26
p0 195 ± 0.2713
220
215
210
205
200
195
190
185
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
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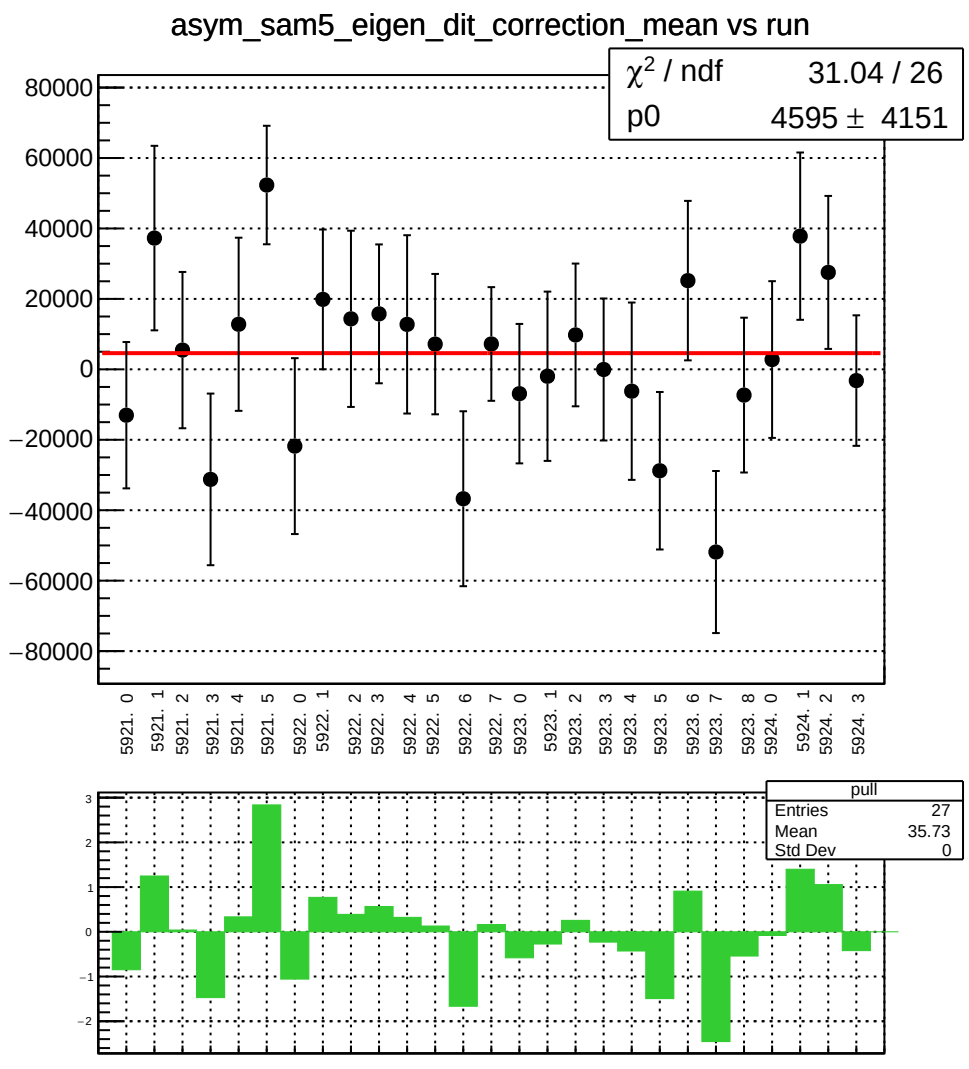
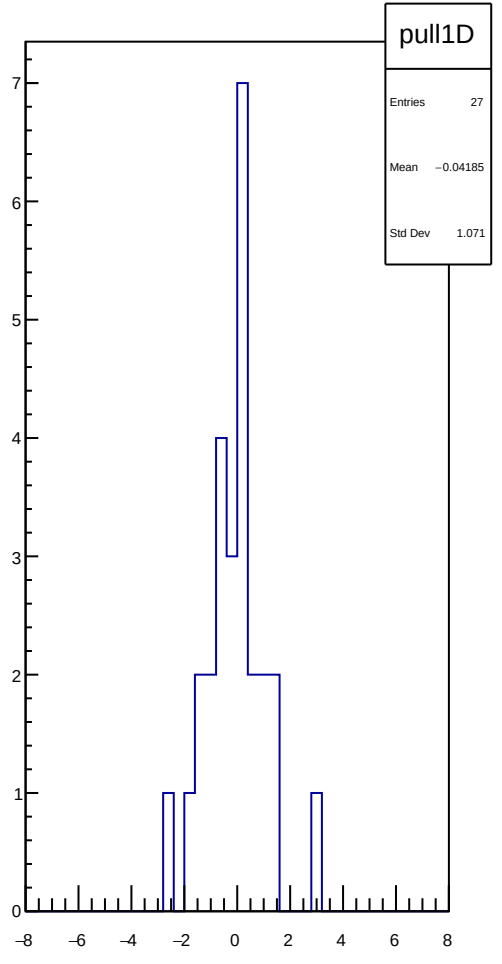
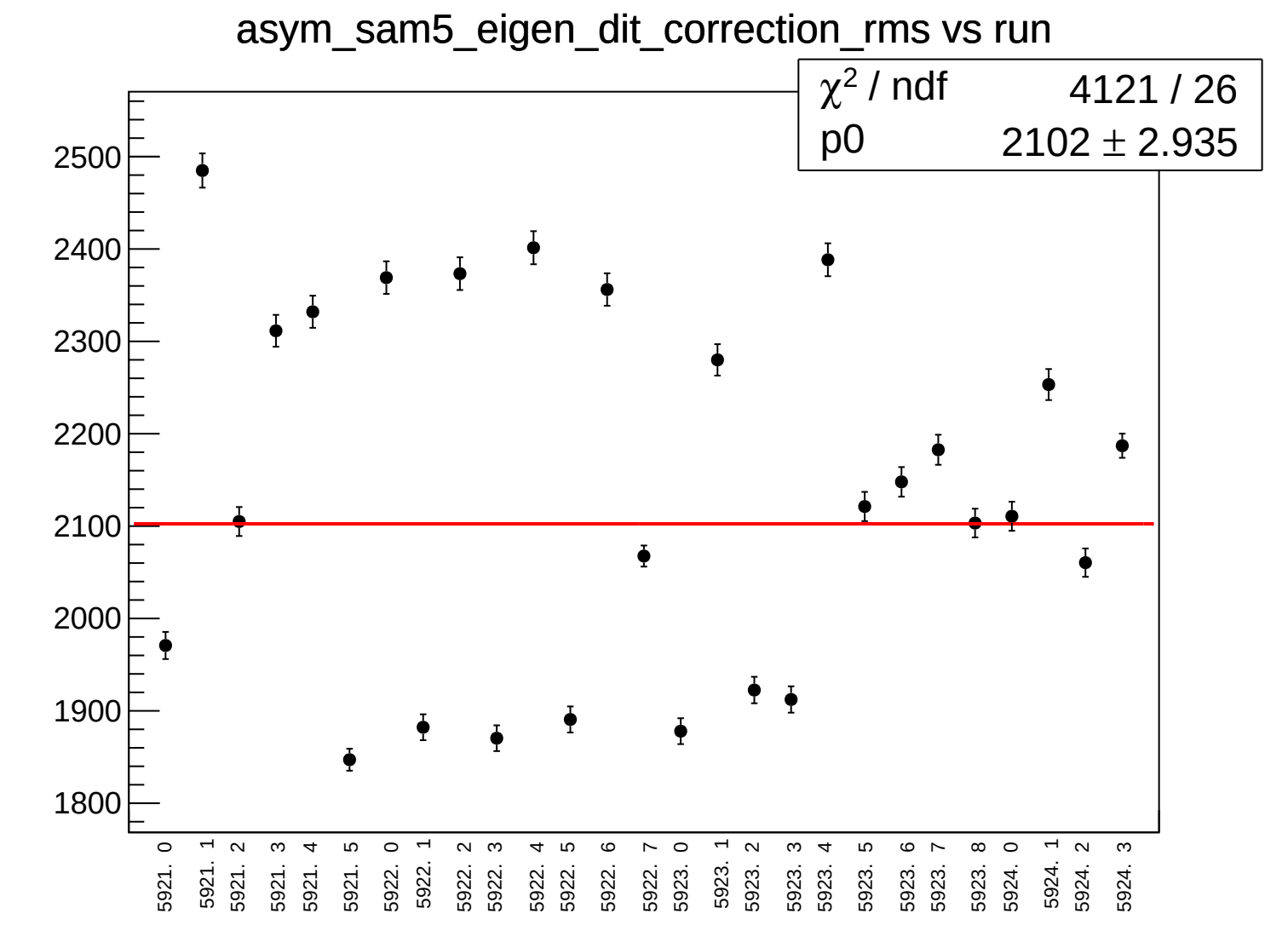
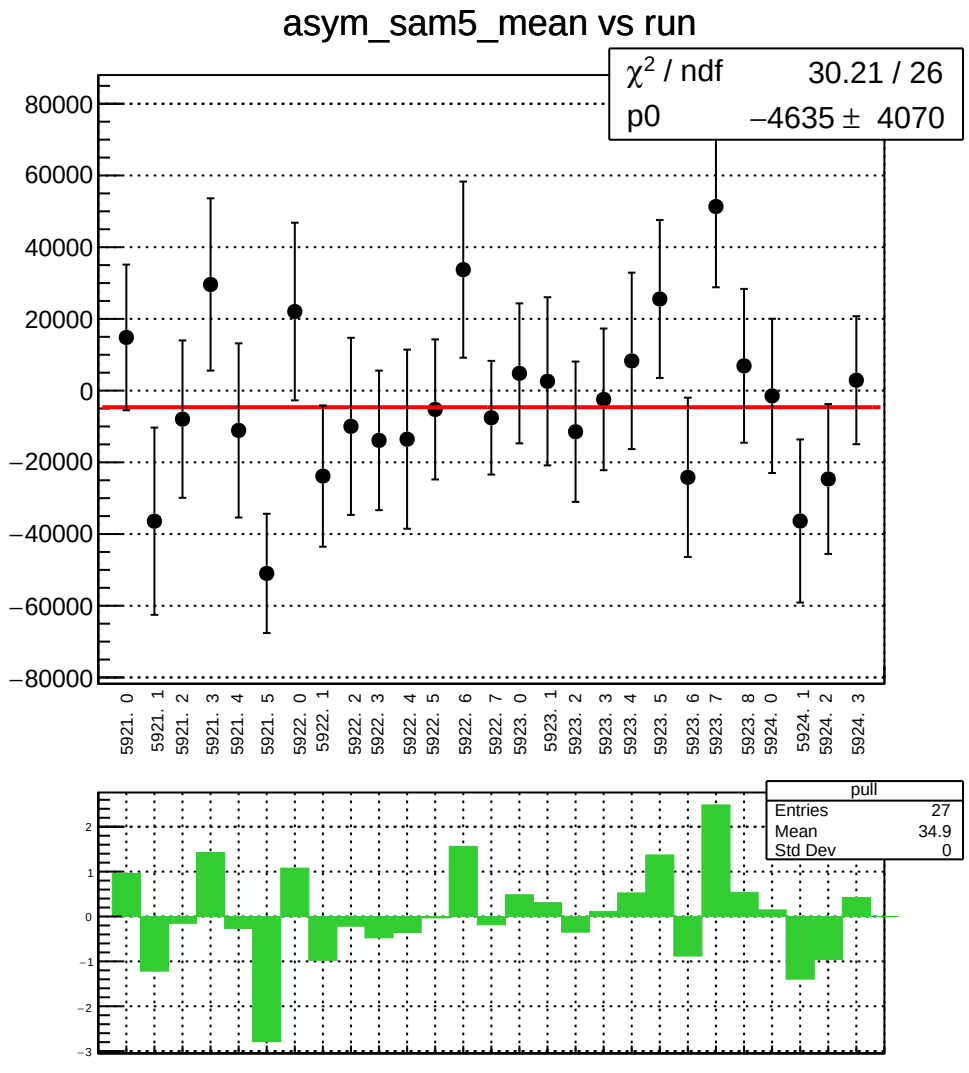
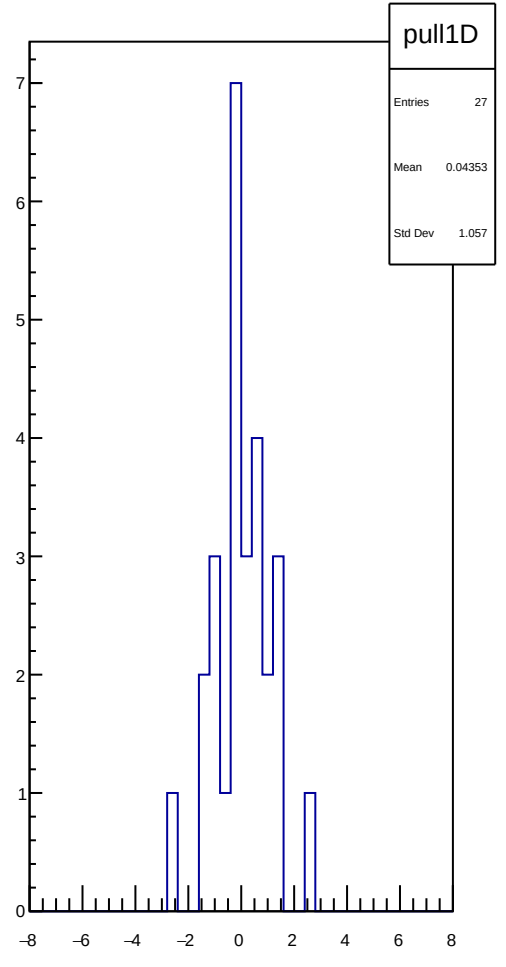
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

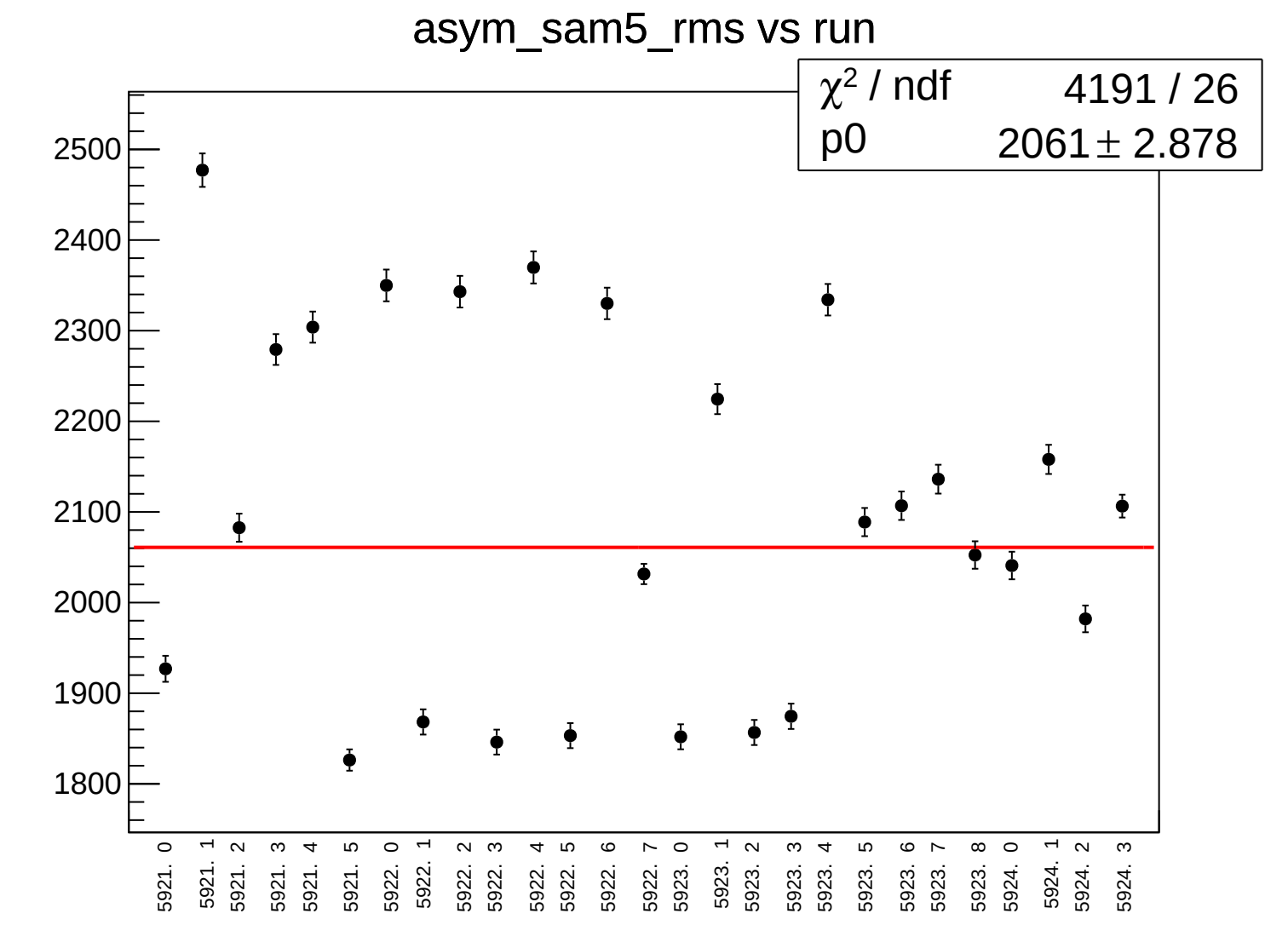

asym_sam5_eigen_dit_correction_mean vs run
χ² / ndf 31.04 / 26
p0 4595 ± 4151
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 35.73
Std Dev 0
3
2
1
0
−1
−2

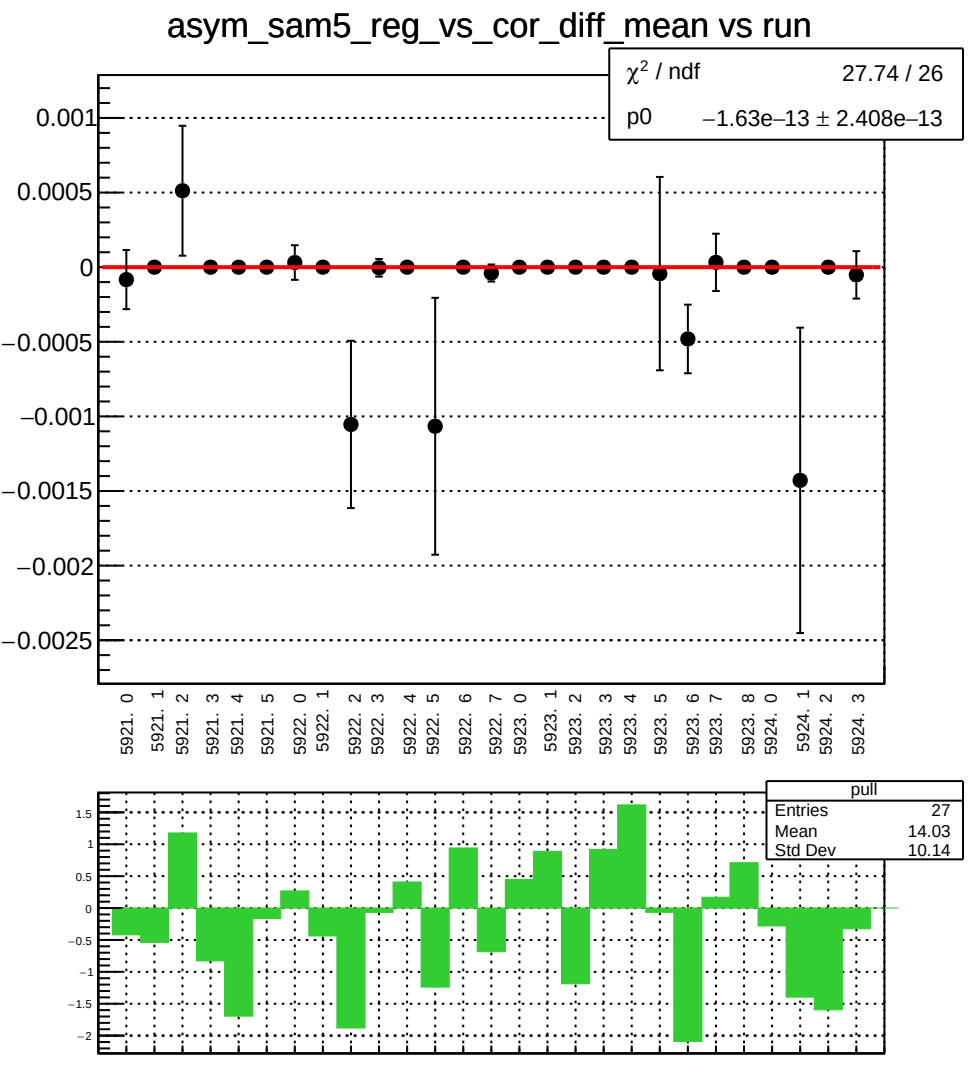

pull1D
Entries 27
Mean −0.04185
Std Dev 1.071
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

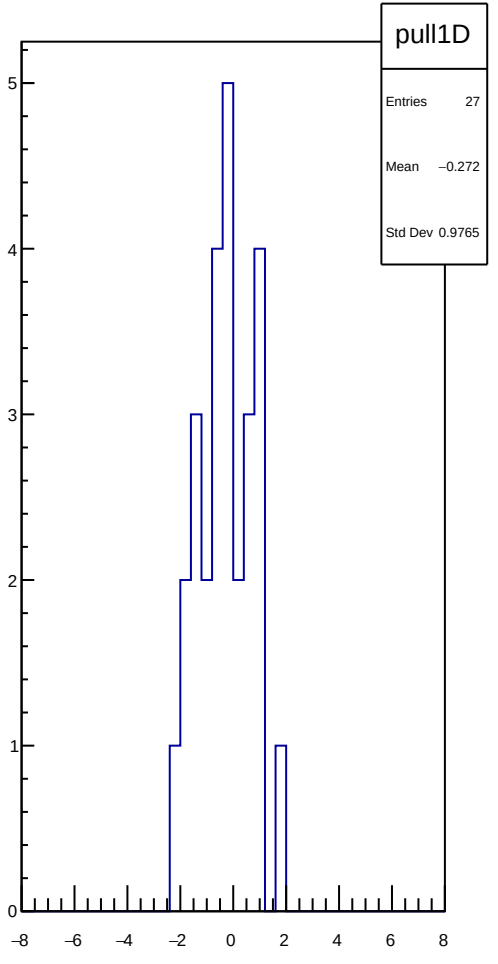

asym_sam5_eigen_dit_correction_rms vs run
χ² / ndf 4121 / 26
p0 2102 ± 2.935
2500
2400
2300
2200
2100
2000
1900
1800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

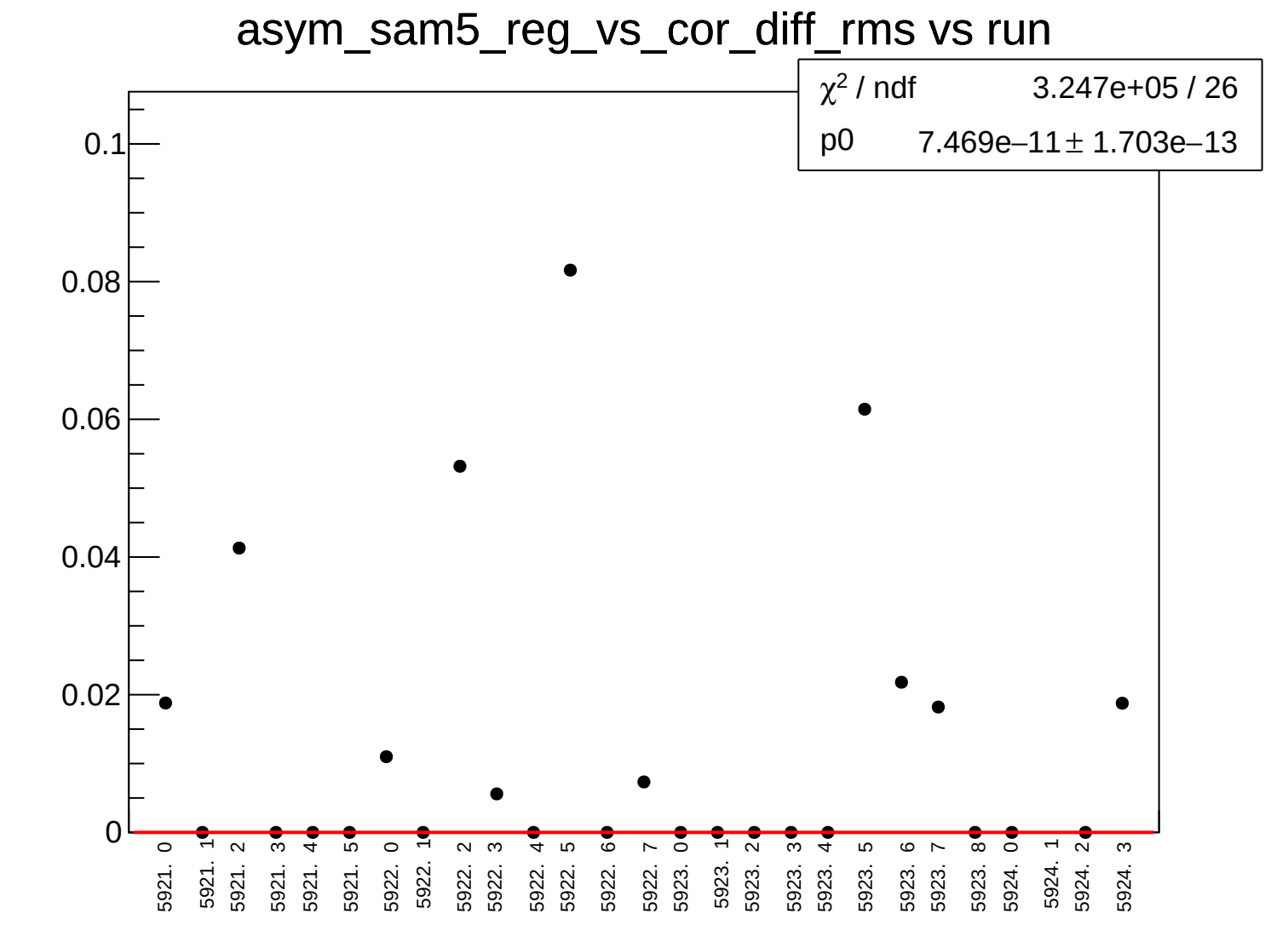

asym_sam5_mean vs run
χ² / ndf 30.21 / 26
p0 −4635 ± 4070
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 34.9
Std Dev 0
2
1
0
−1
−2
−3

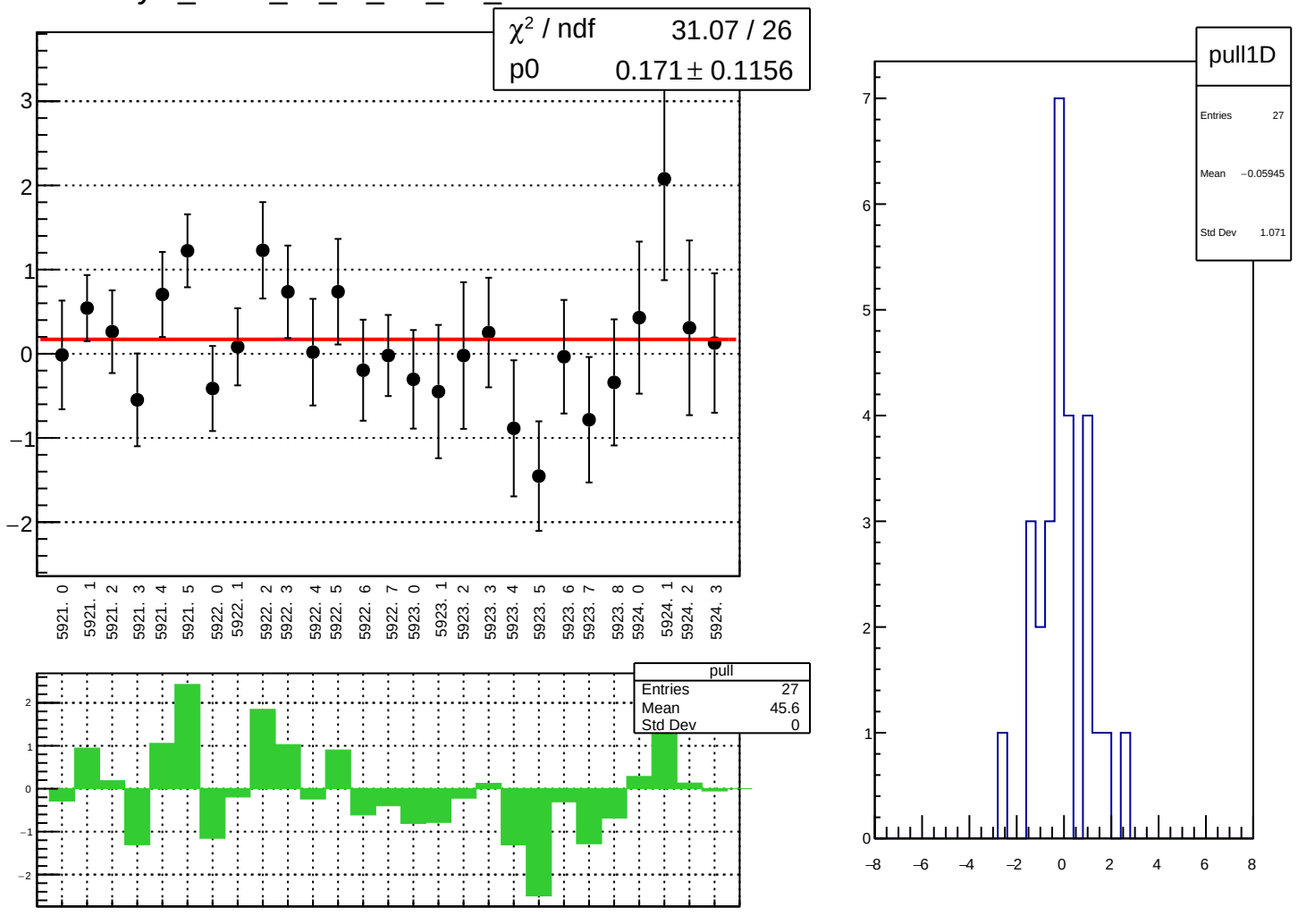

pull1D
Entries 27
Mean 0.04353
Std Dev 1.057
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

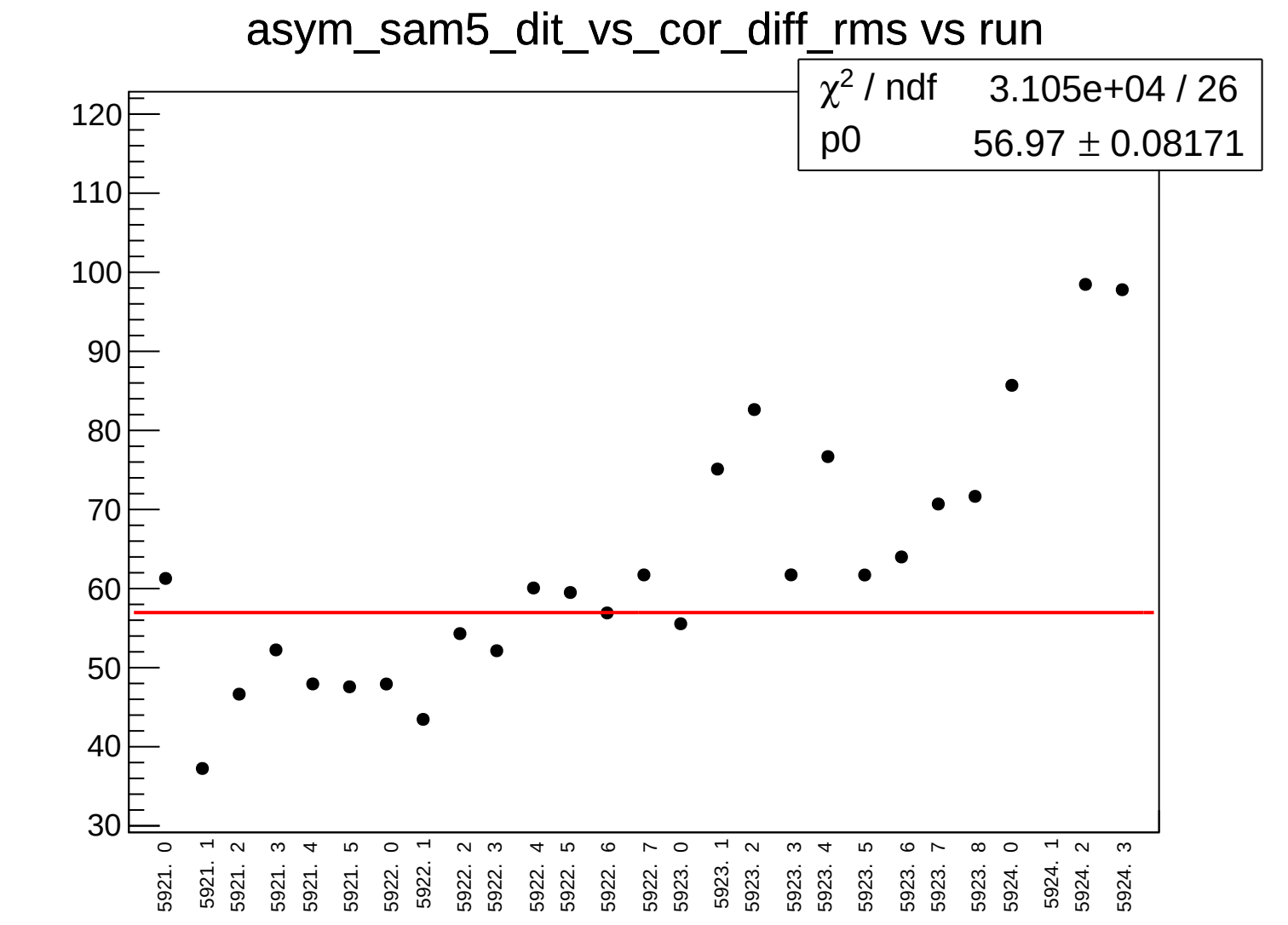

asym_sam5_rms vs run
χ² / ndf 4191 / 26
p0 2061 ± 2.878
2500
2400
2300
2200
2100
2000
1900
1800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

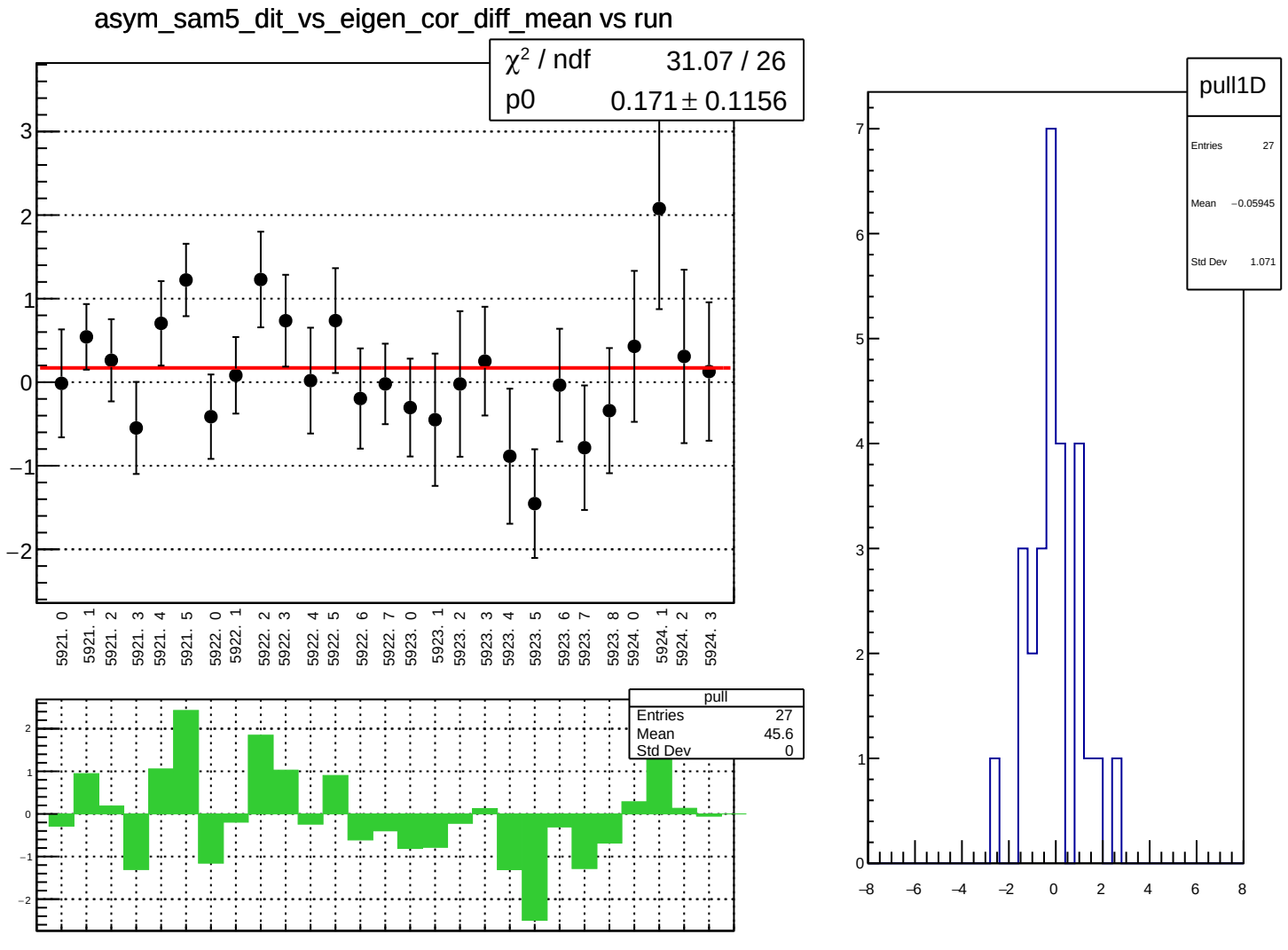

asym_sam5_reg_vs_cor_diff_mean vs run
χ² / ndf 27.74 / 26
p0 −1.63e−13 ± 2.408e−13
0.001
0.0005
0
−0.0005
−0.001
−0.0015
−0.002
−0.0025
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 14.03
Std Dev 10.14
1.5
1
0.5
0
−0.5
−1
−1.5
−2

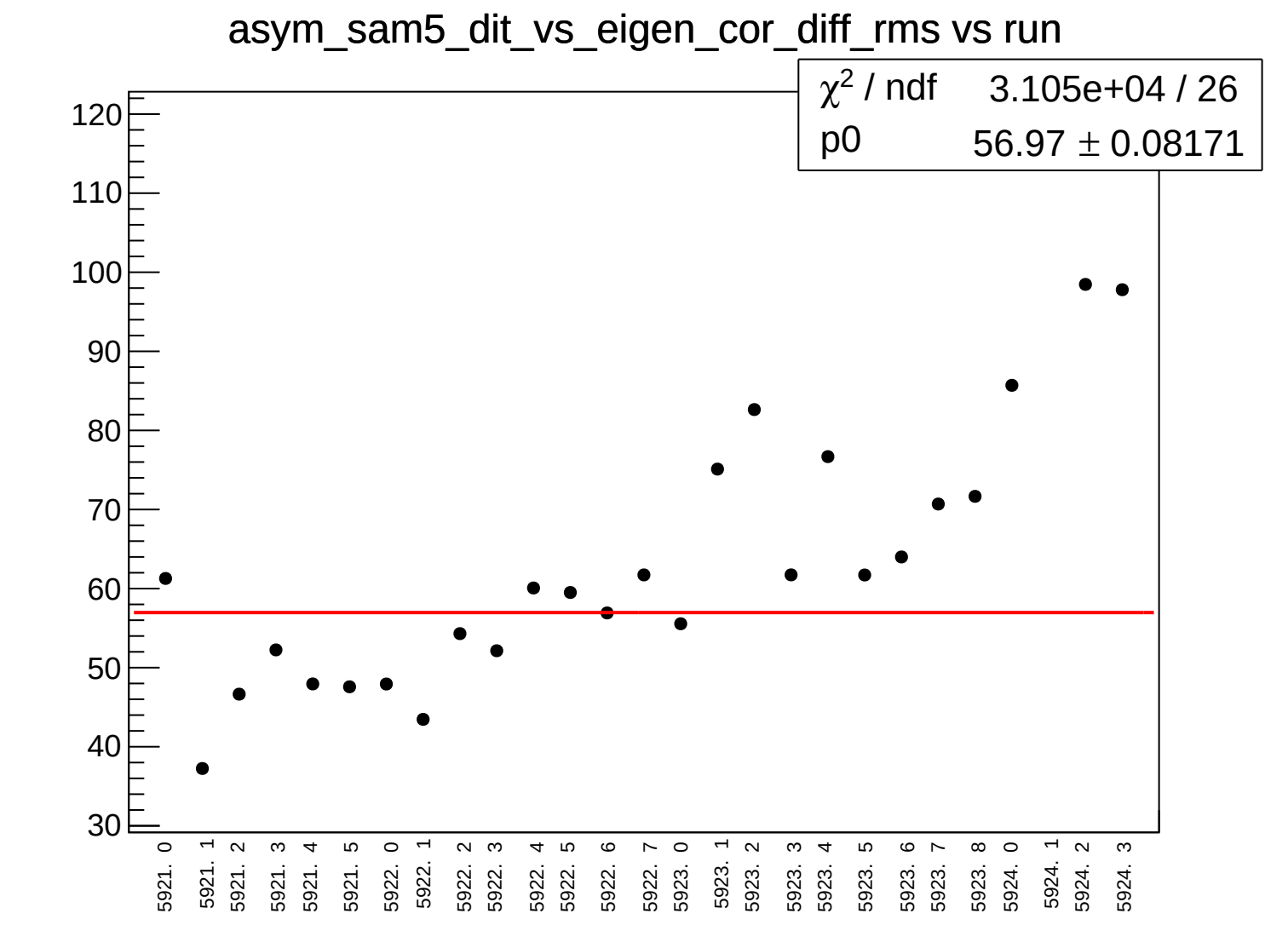

pull1D
Entries 27
Mean −0.272
Std Dev 0.9765
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

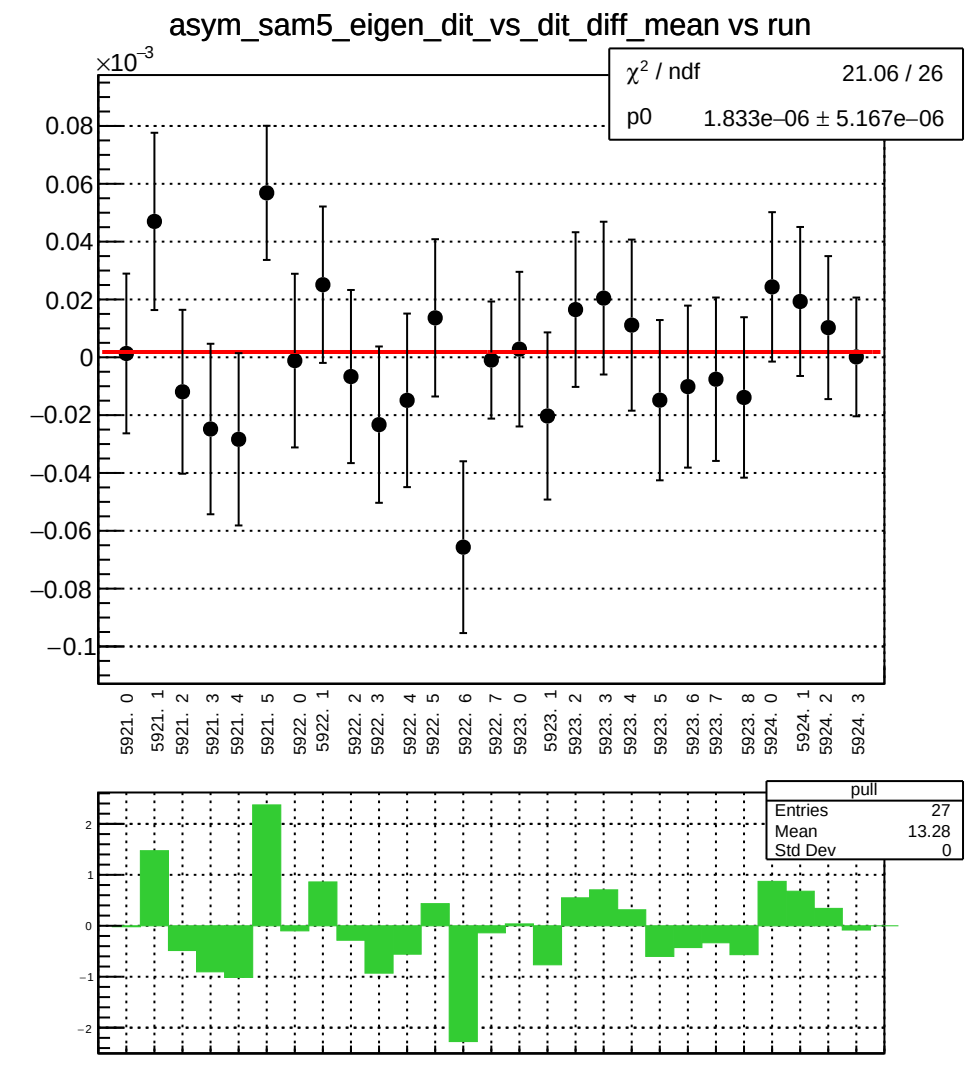

asym_sam5_reg_vs_cor_diff_rms vs run
χ² / ndf 3.247e+05 / 26
p0 7.469e−11 ± 1.703e−13
0.1
0.08
0.06
0.04
0.02
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

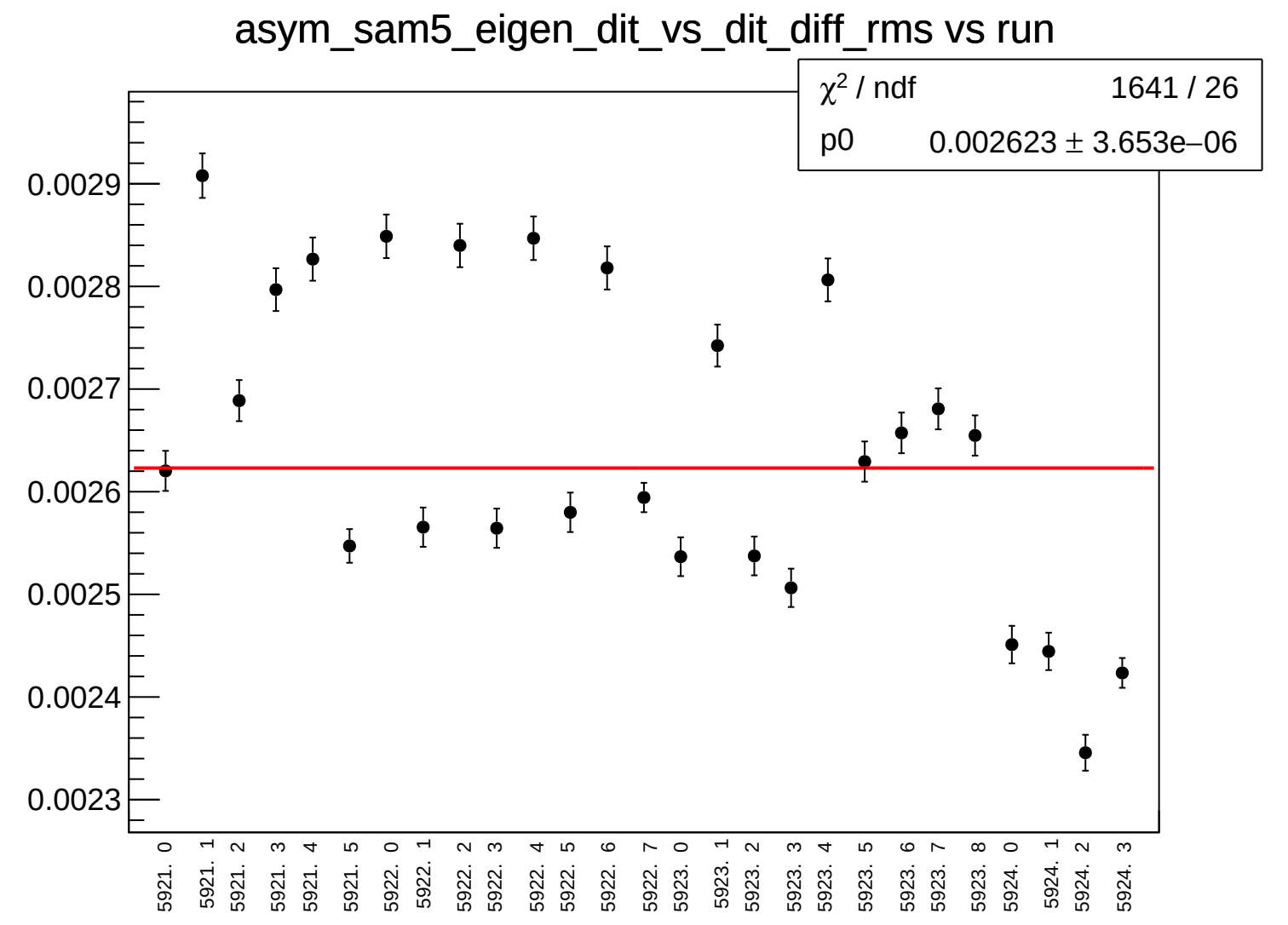

asym_sam5_dit_vs_cor_diff_mean vs run
χ² / ndf 31.07 / 26
p0 0.171 ± 0.1156
3
2
1
0
−1
−2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 45.6
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean −0.05945
Std Dev 1.071
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

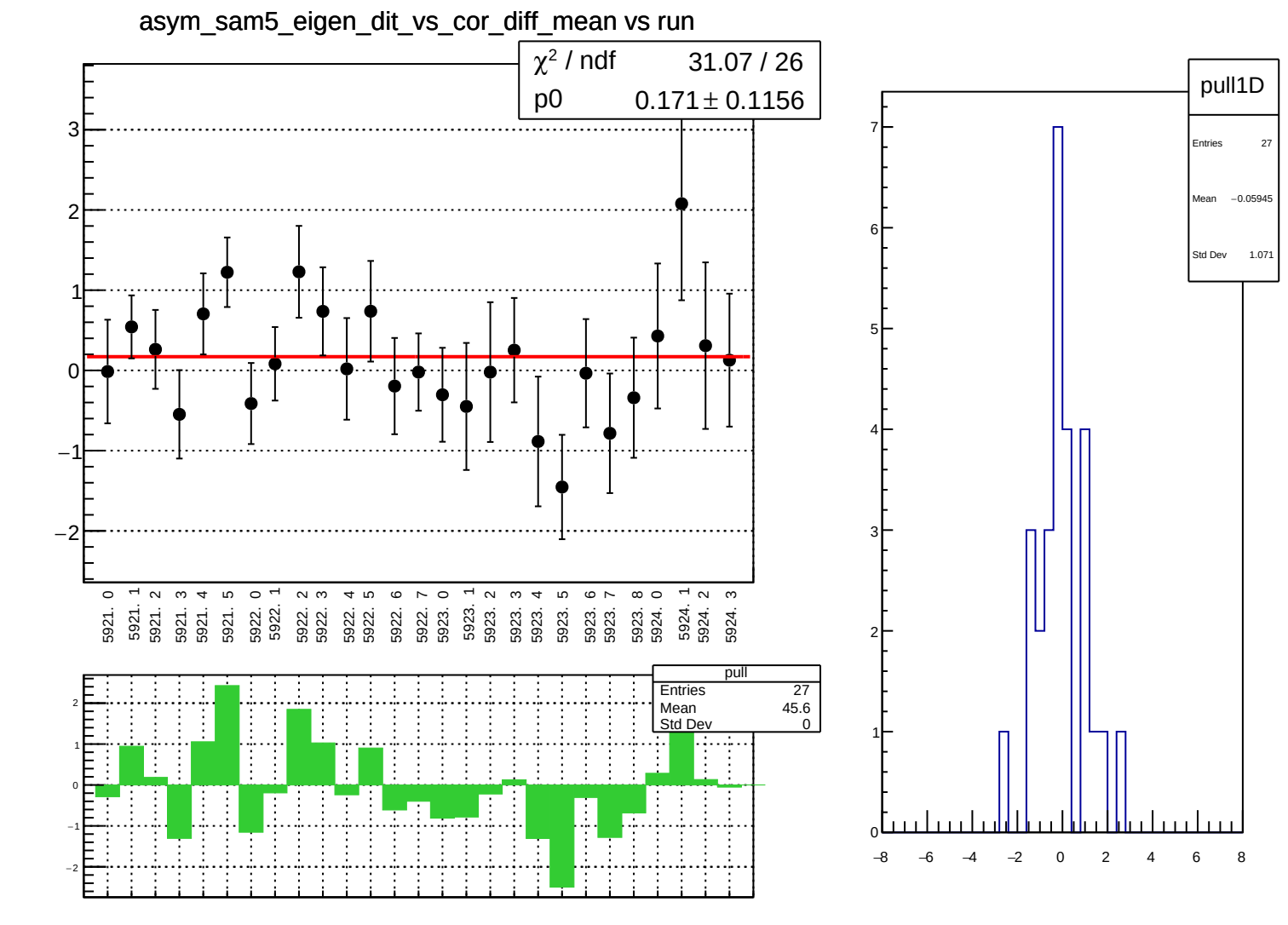

asym_sam5_dit_vs_cor_diff_rms vs run
χ² / ndf 3.105e+04 / 26
p0 56.97 ± 0.08171
120
110
100
90
80
70
60
50
40
30
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

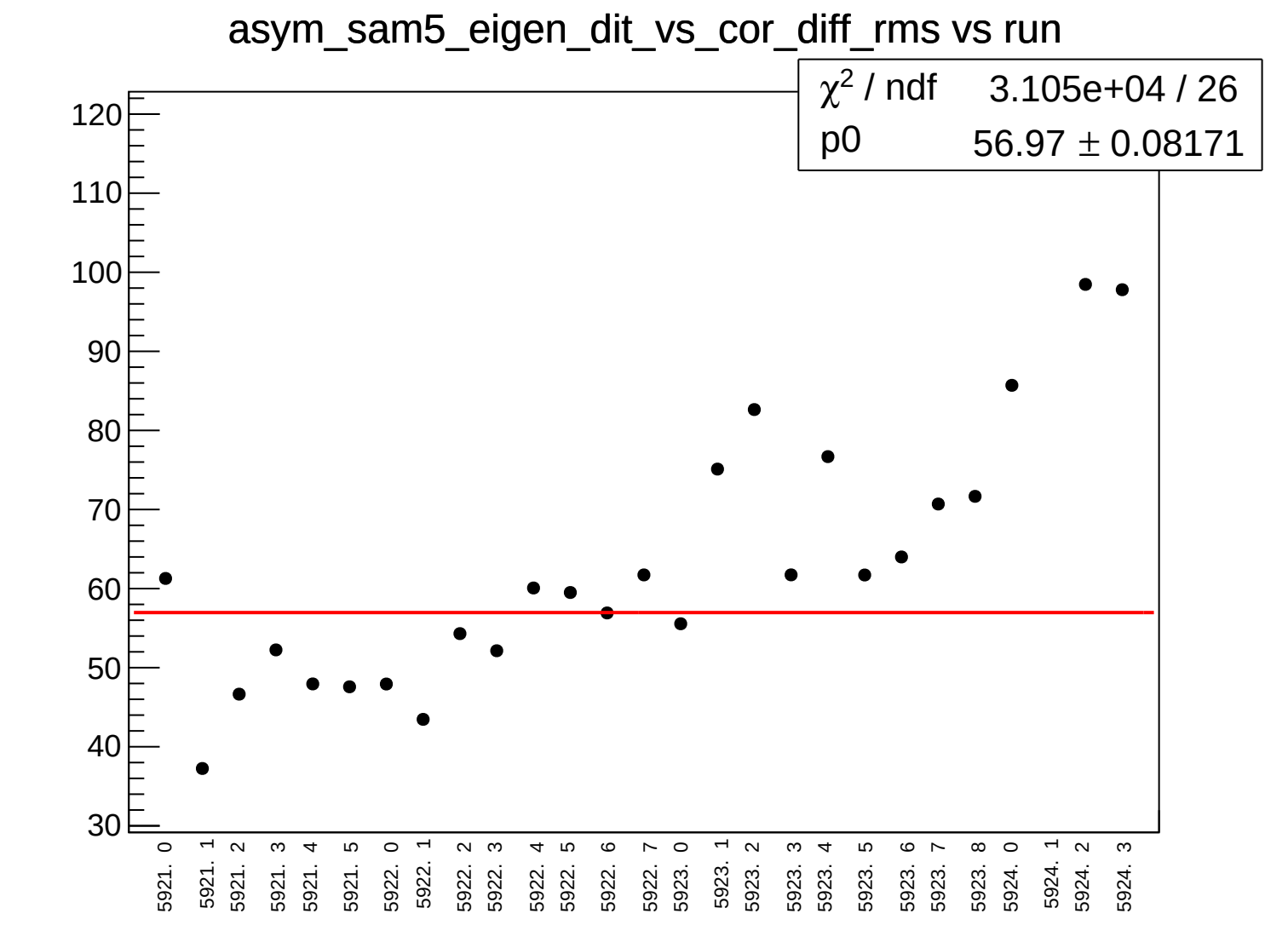

asym_sam5_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 31.07 / 26
p0 0.171 ± 0.1156
3
2
1
0
−1
−2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 45.6
Std Dev 0
pull1D
Entries 27
Mean −0.05945
Std Dev 1.071
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

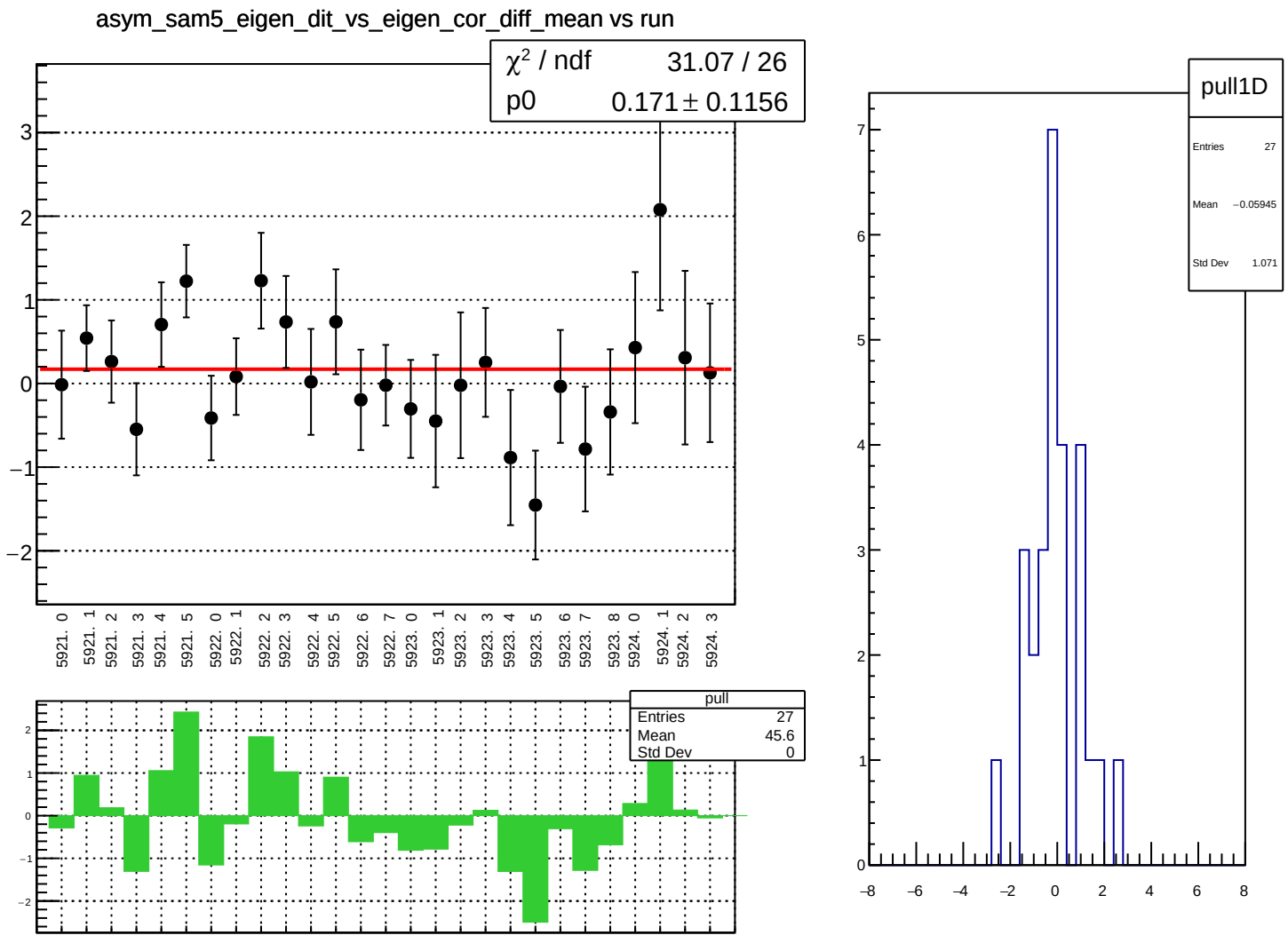

asym_sam5_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.105e+04 / 26
p0 56.97 ± 0.08171
120
110
100
90
80
70
60
50
40
30
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

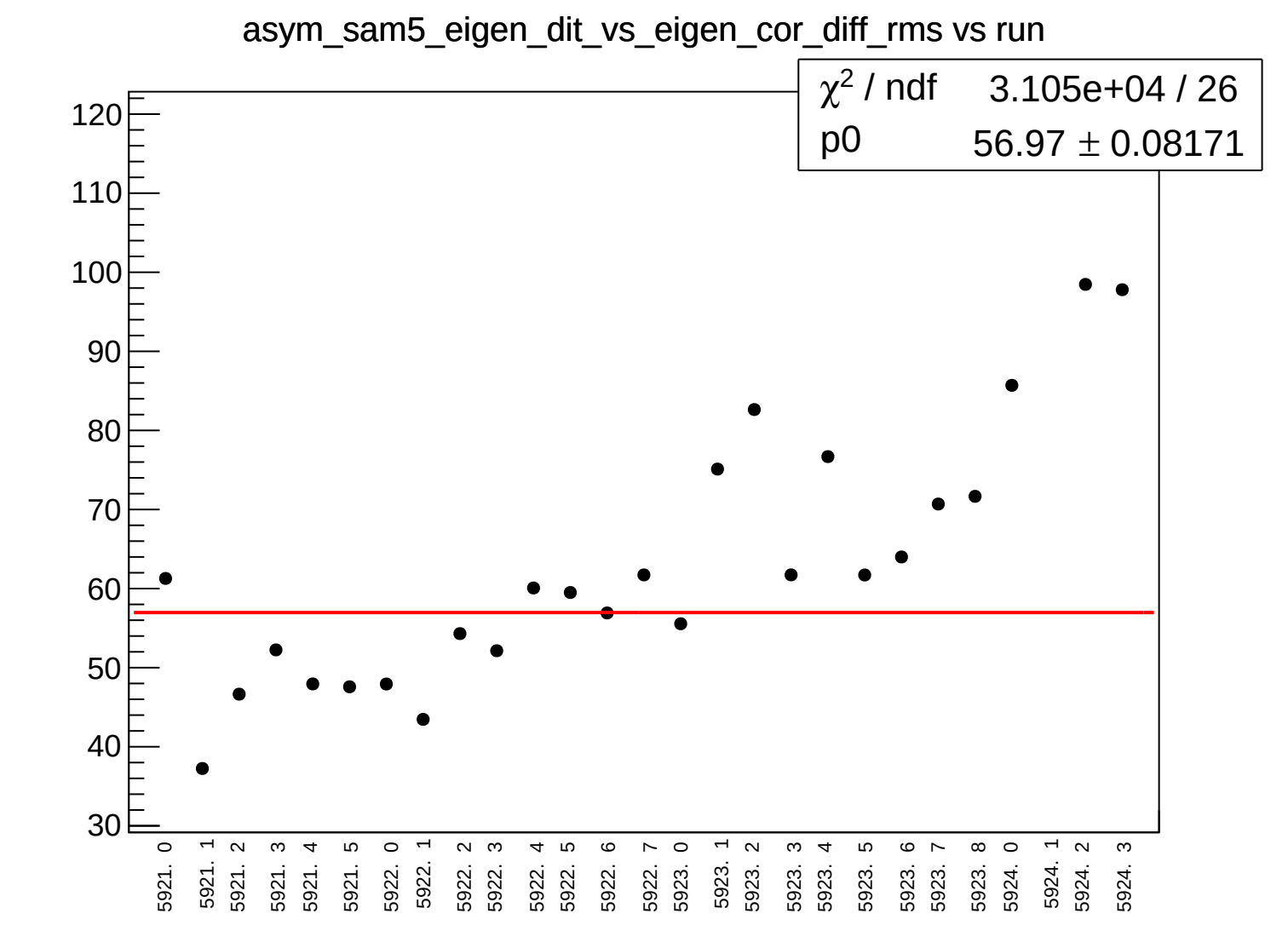

asym_sam5_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 21.06 / 26
p0 1.833e−06 ± 5.167e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 13.28
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean −0.03114
Std Dev 0.8825
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

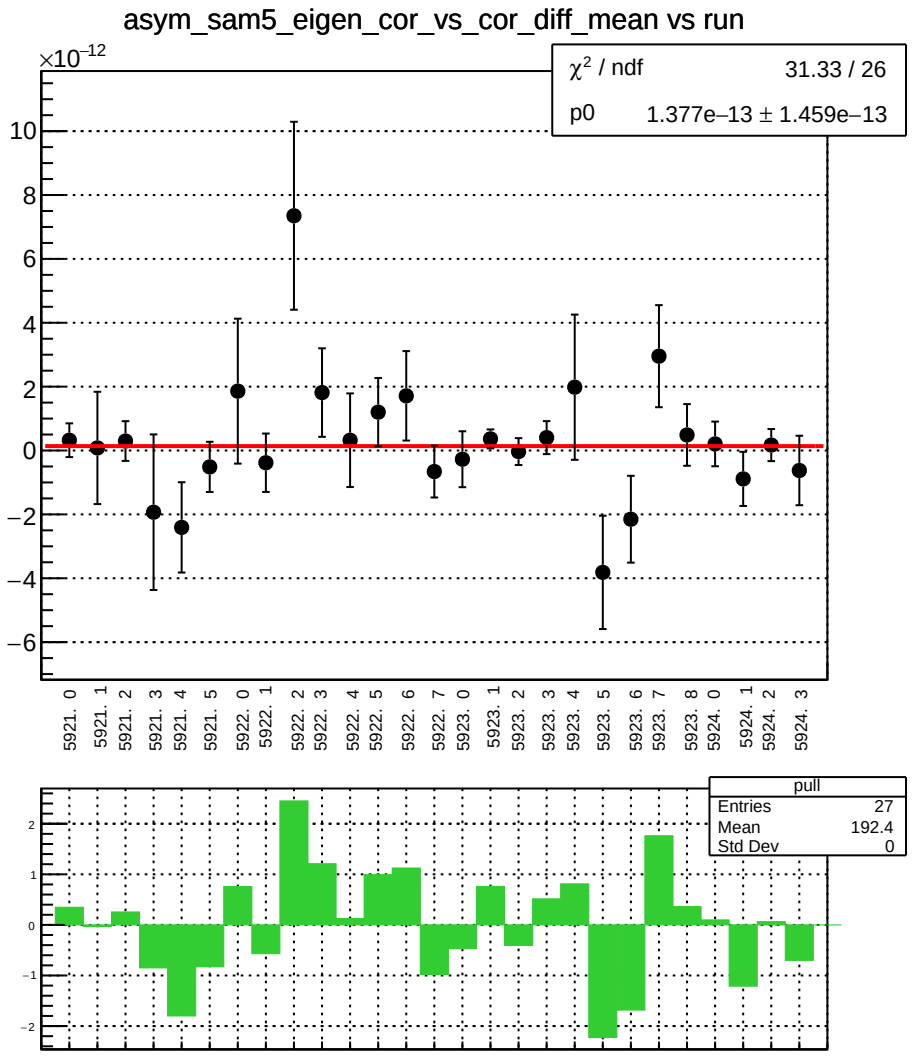

asym_sam5_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1641 / 26
p0 0.002623 ± 3.653e−06
0.0029
0.0028
0.0027
0.0026
0.0025
0.0024
0.0023
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

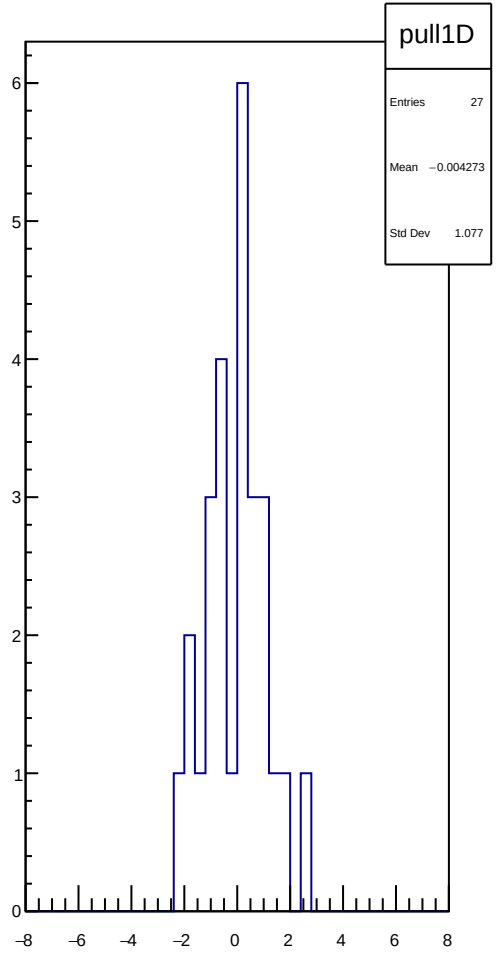

asym_sam5_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 31.07 / 26
p0 0.171 ± 0.1156
3
2
1
0
−1
−2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 45.6
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean −0.05945
Std Dev 1.071
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

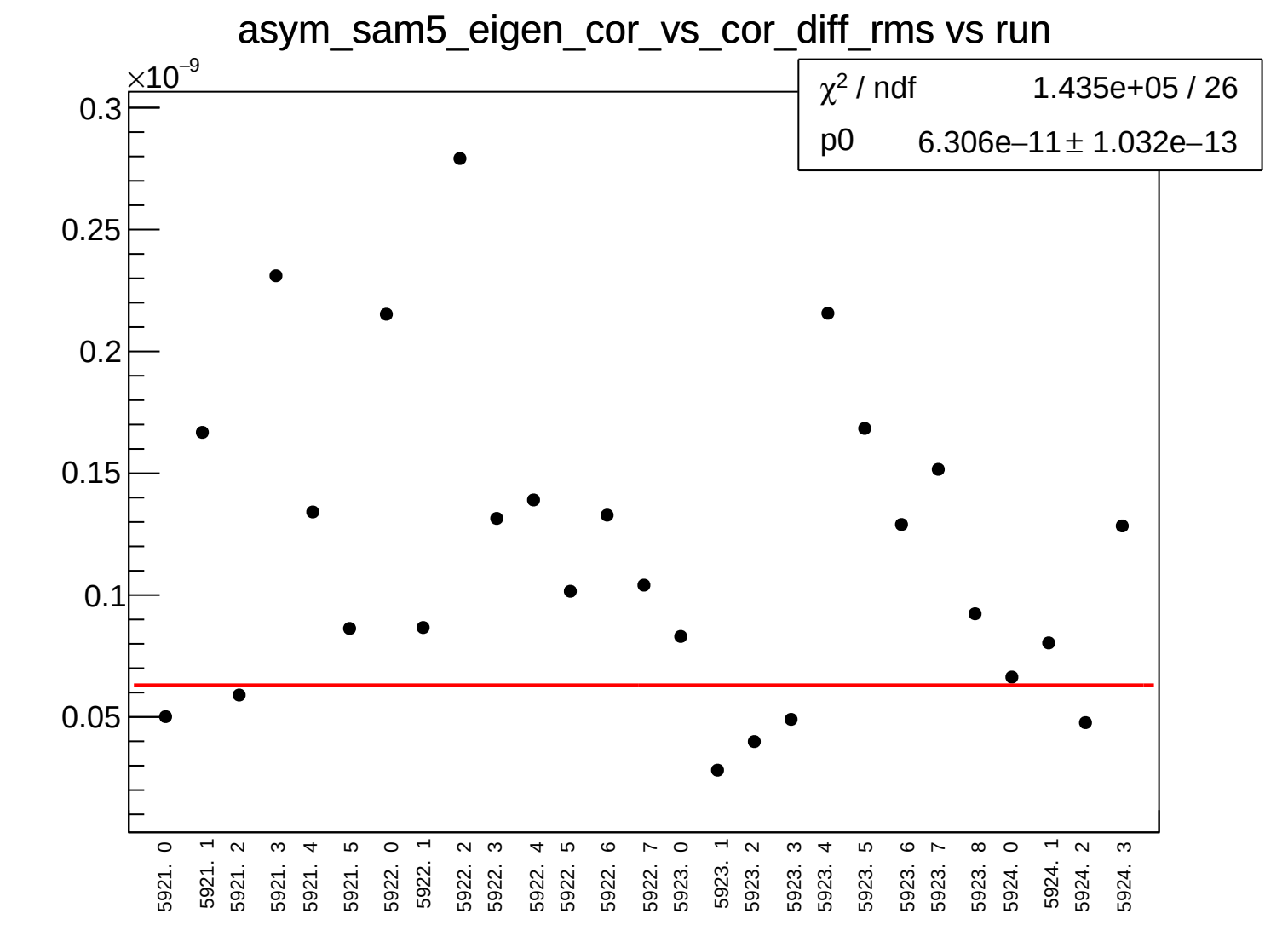

asym_sam5_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.105e+04 / 26
p0 56.97 ± 0.08171
120
110
100
90
80
70
60
50
40
30
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

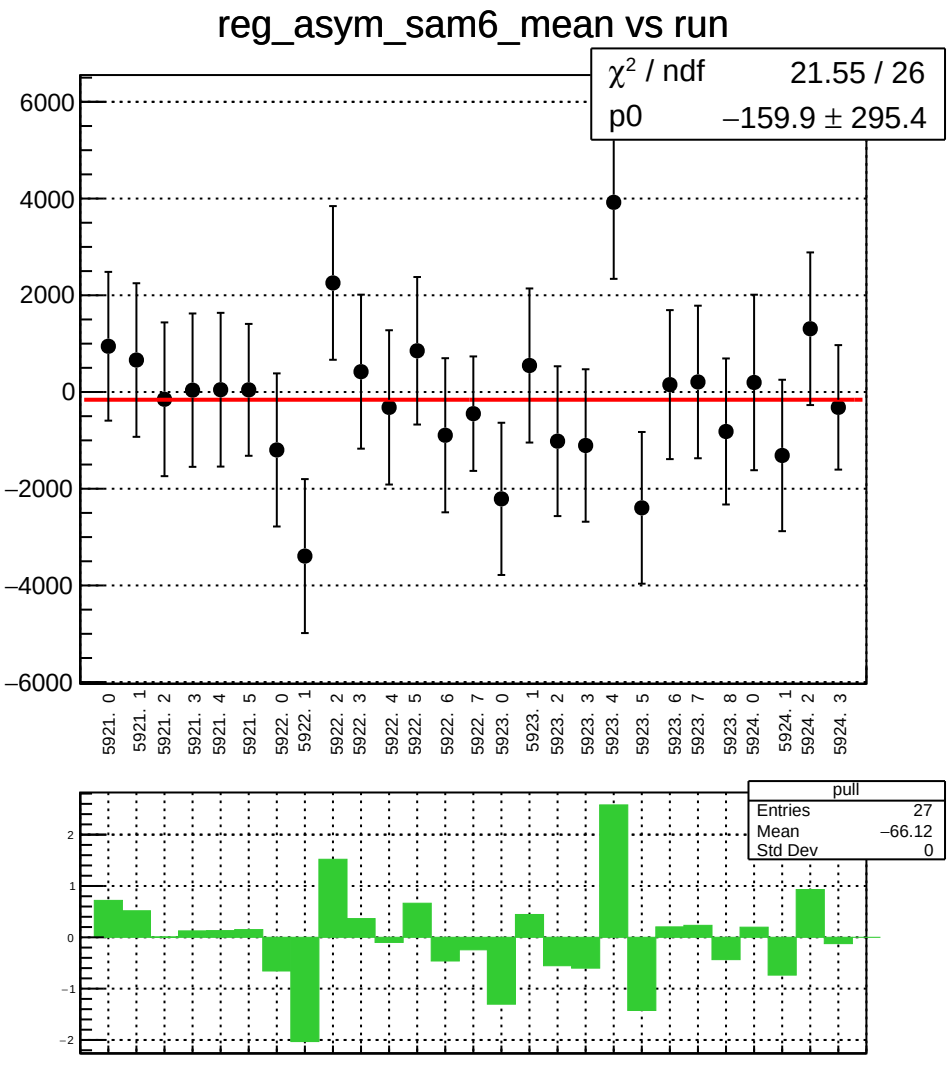

asym_sam5_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 31.07 / 26
p0 0.171 ± 0.1156
3
2
1
0
−1
−2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 45.6
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean −0.05945
Std Dev 1.071
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

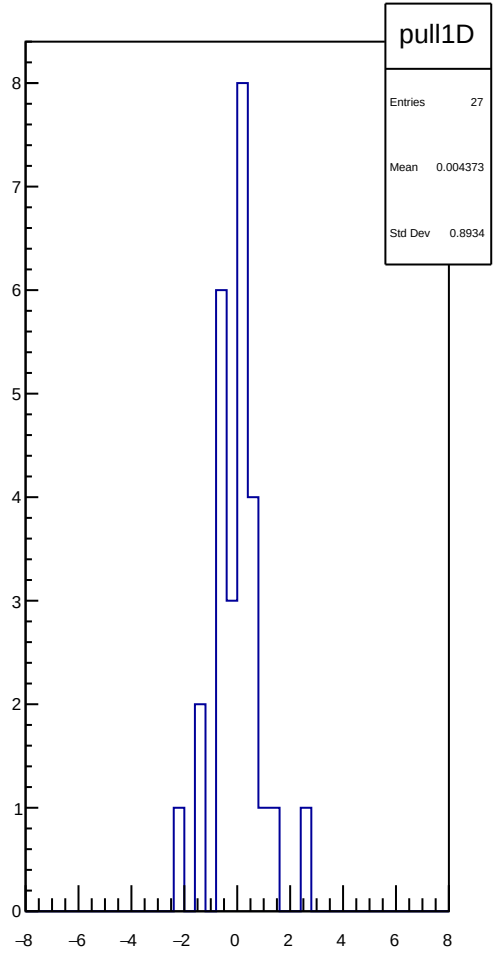

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.105e+04 / 26
p0 56.97 ± 0.08171
120
110
100
90
80
70
60
50
40
30
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

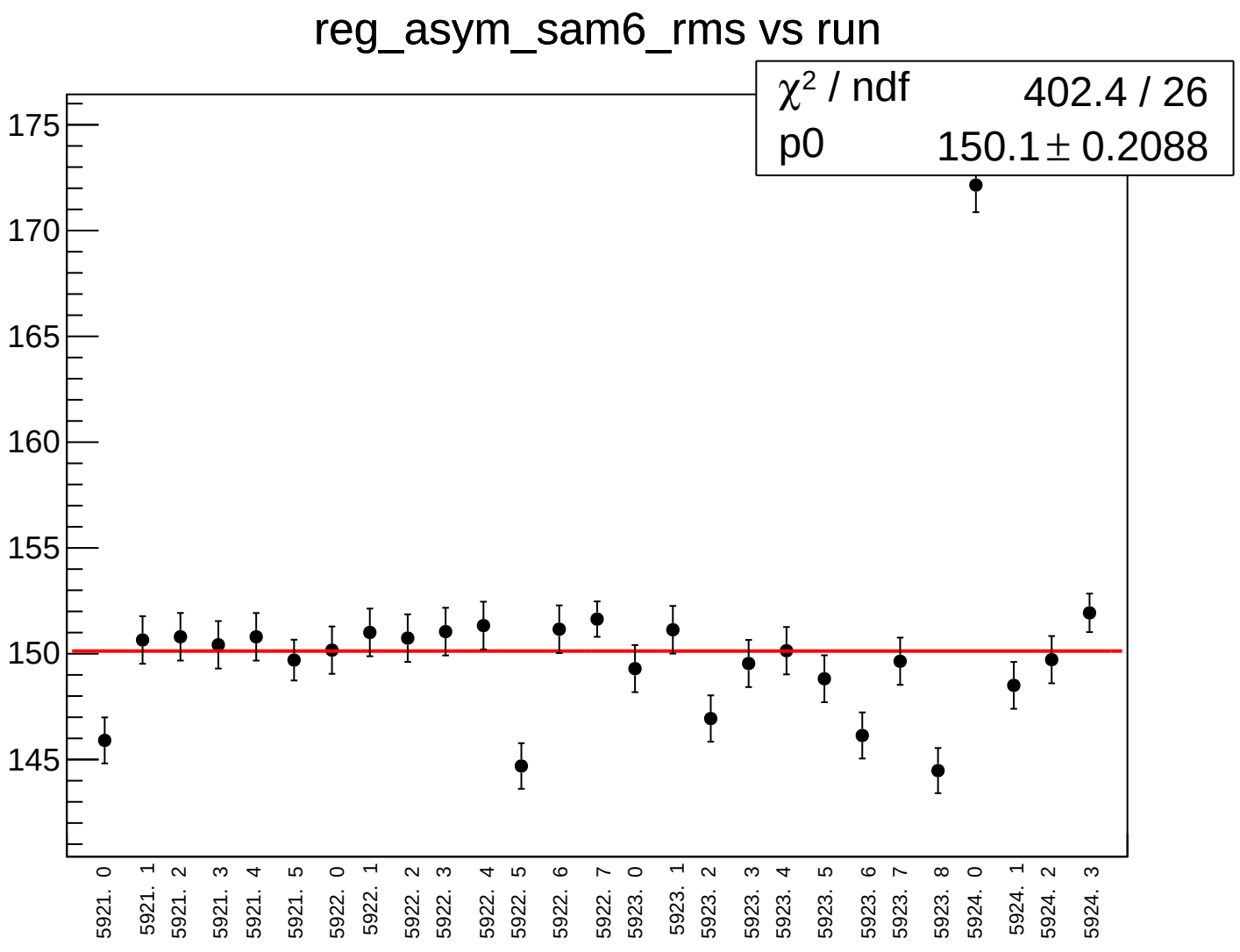

asym_sam5_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 31.33 / 26
p0 1.377e−13 ± 1.459e−13
10
8
6
4
2
0
−2
−4
−6
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 192.4
Std Dev 0
2
1
0
−1
−2

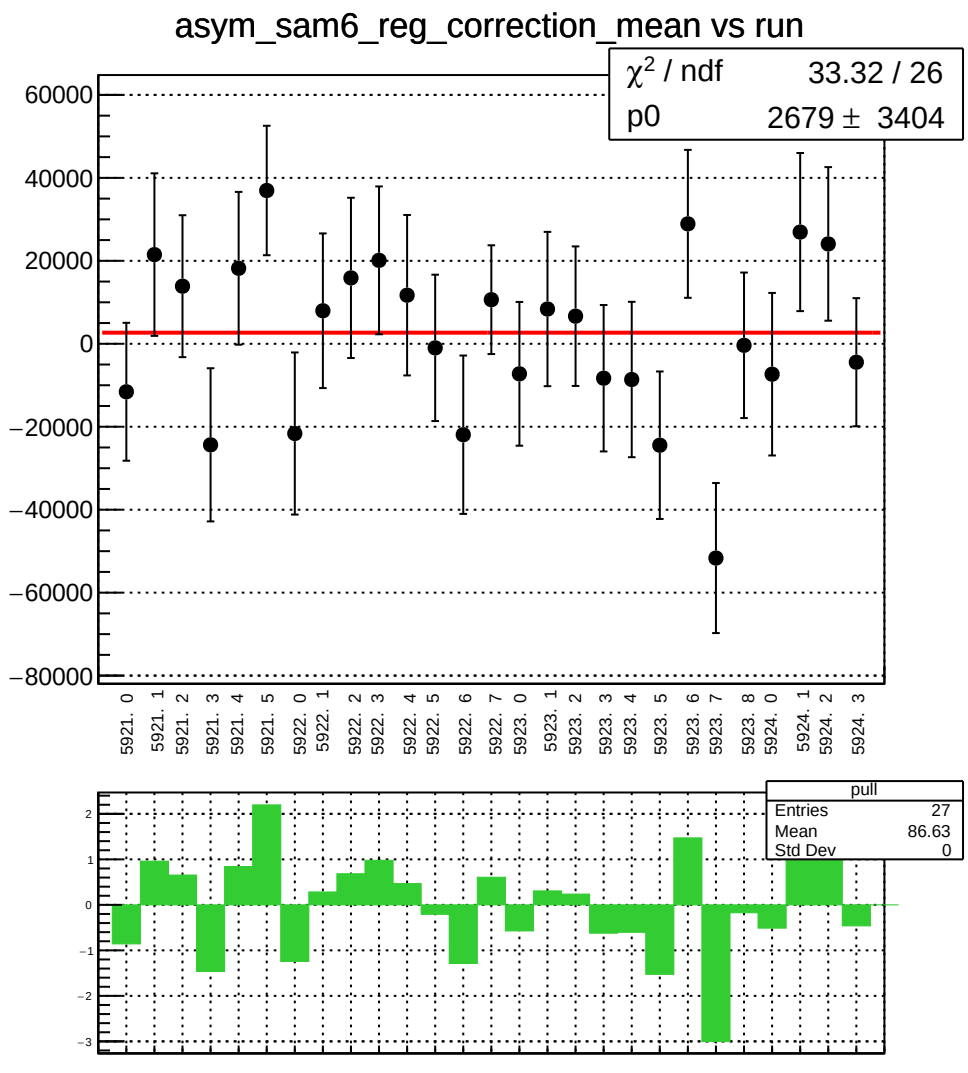

pull1D
Entries 27
Mean −0.004273
Std Dev 1.077
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

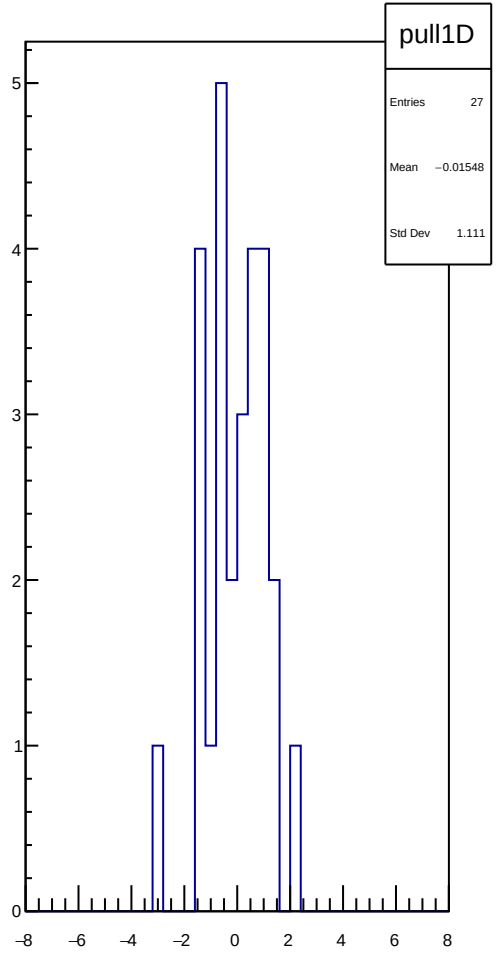

asym_sam5_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.435e+05 / 26
p0 6.306e−11 ± 1.032e−13
0.3
0.25
0.2
0.15
0.1
0.05
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

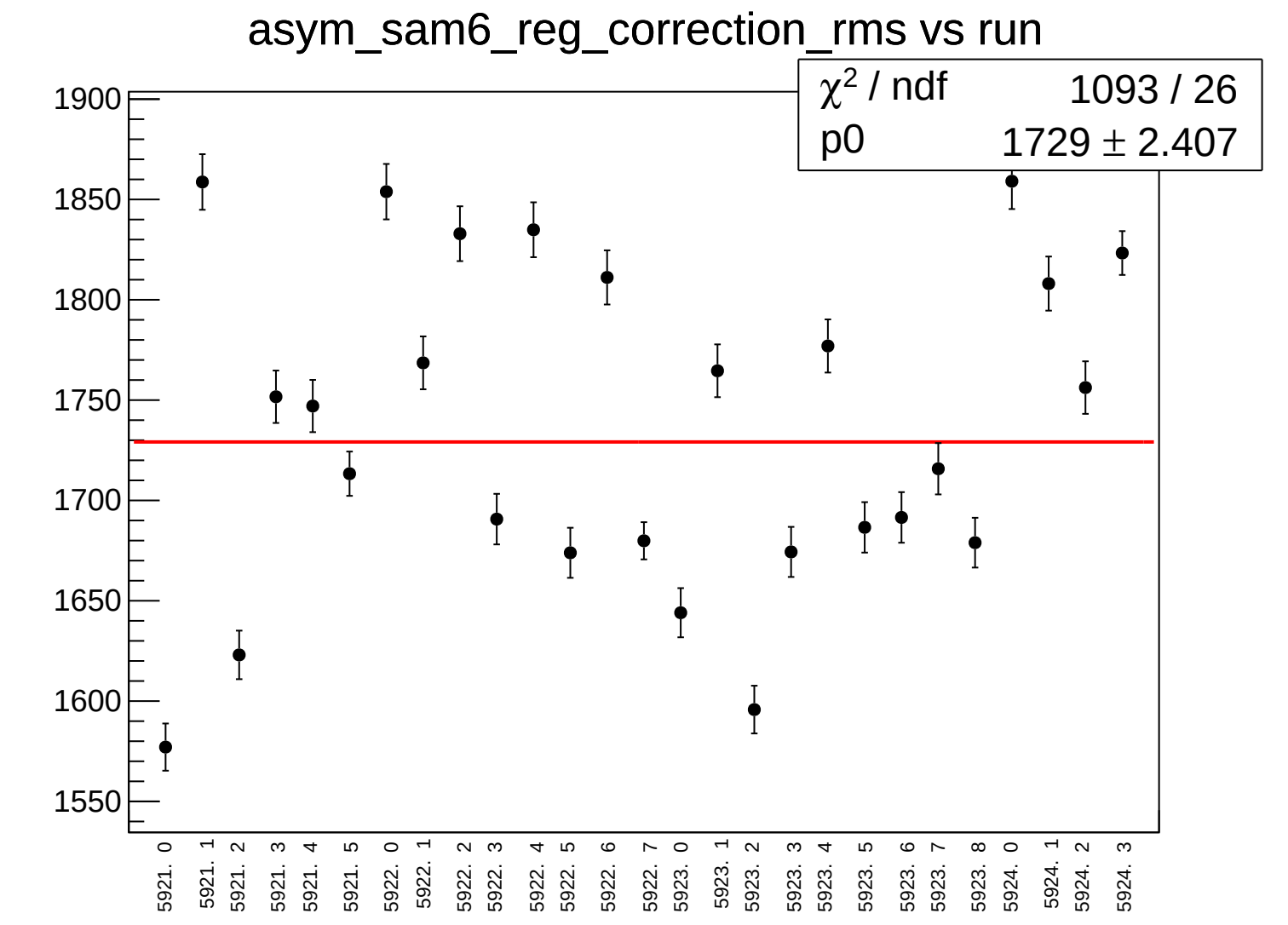

reg_asym_sam6_mean vs run
χ² / ndf 21.55 / 26
p0 −159.9 ± 295.4
6000
4000
2000
0
−2000
−4000
−6000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −66.12
Std Dev 0
2
1
0
−1
−2

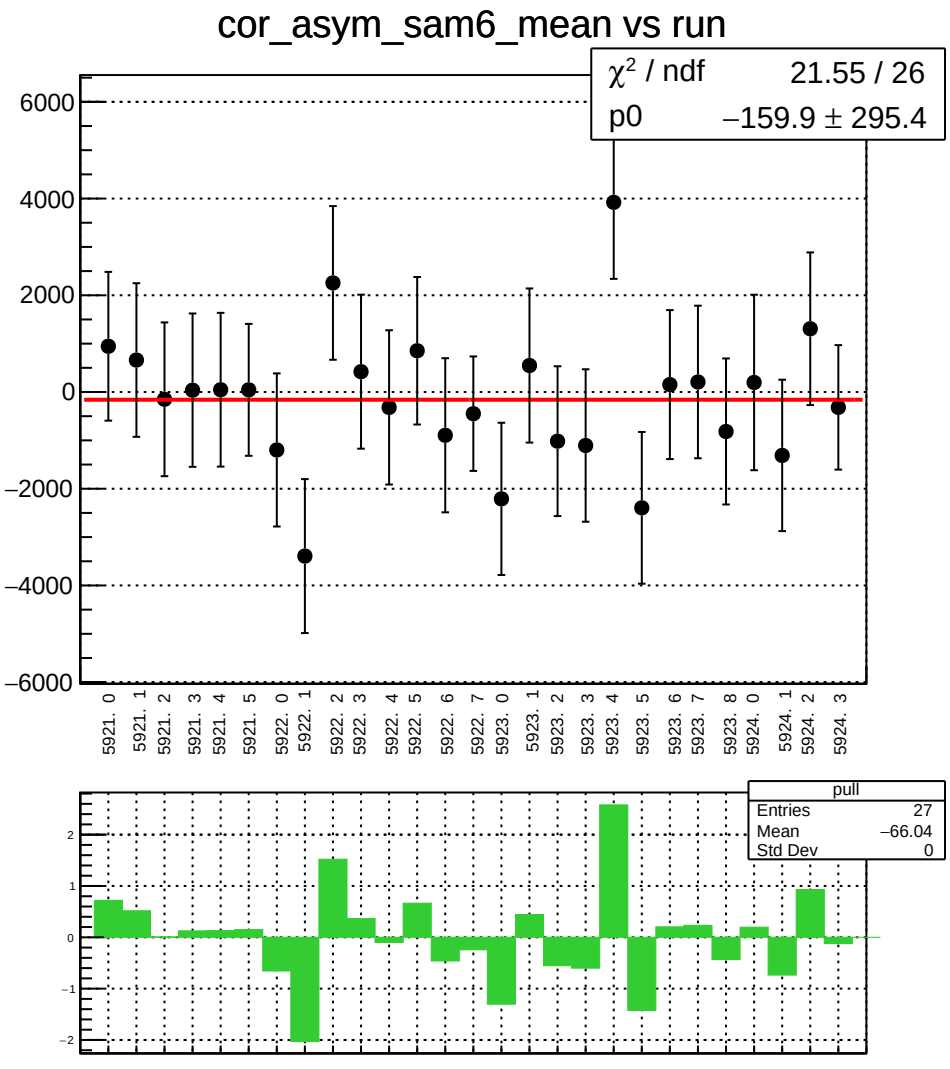

pull1D
Entries 27
Mean 0.004373
Std Dev 0.8934
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

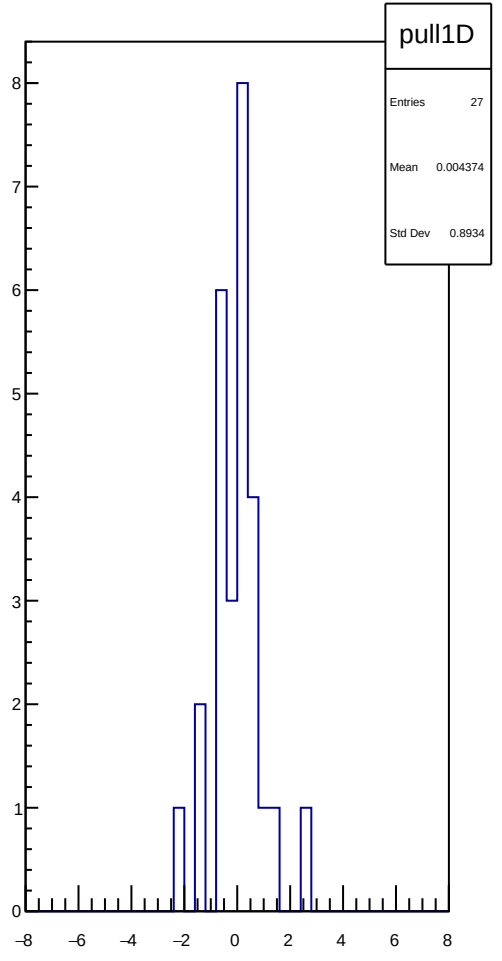

reg_asym_sam6_rms vs run
χ² / ndf 402.4 / 26
p0 150.1 ± 0.2088
175
170
165
160
155
150
145
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

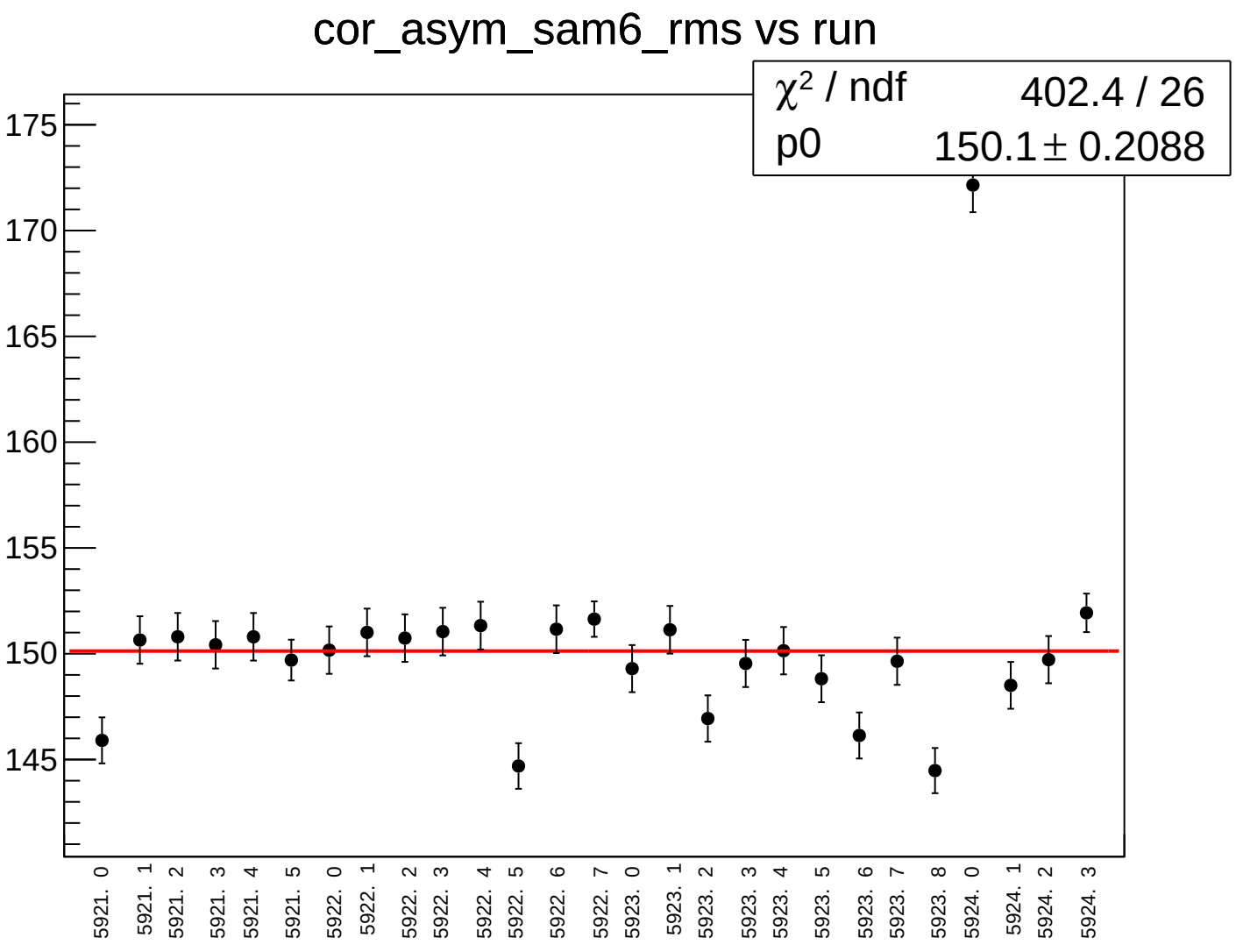

asym_sam6_reg_correction_mean vs run
χ² / ndf 33.32 / 26
p0 2679 ± 3404
60000
40000
20000
0
−20000
−40000
−60000
−80000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 86.63
Std Dev 0
2
1
0
−1
−2
−3

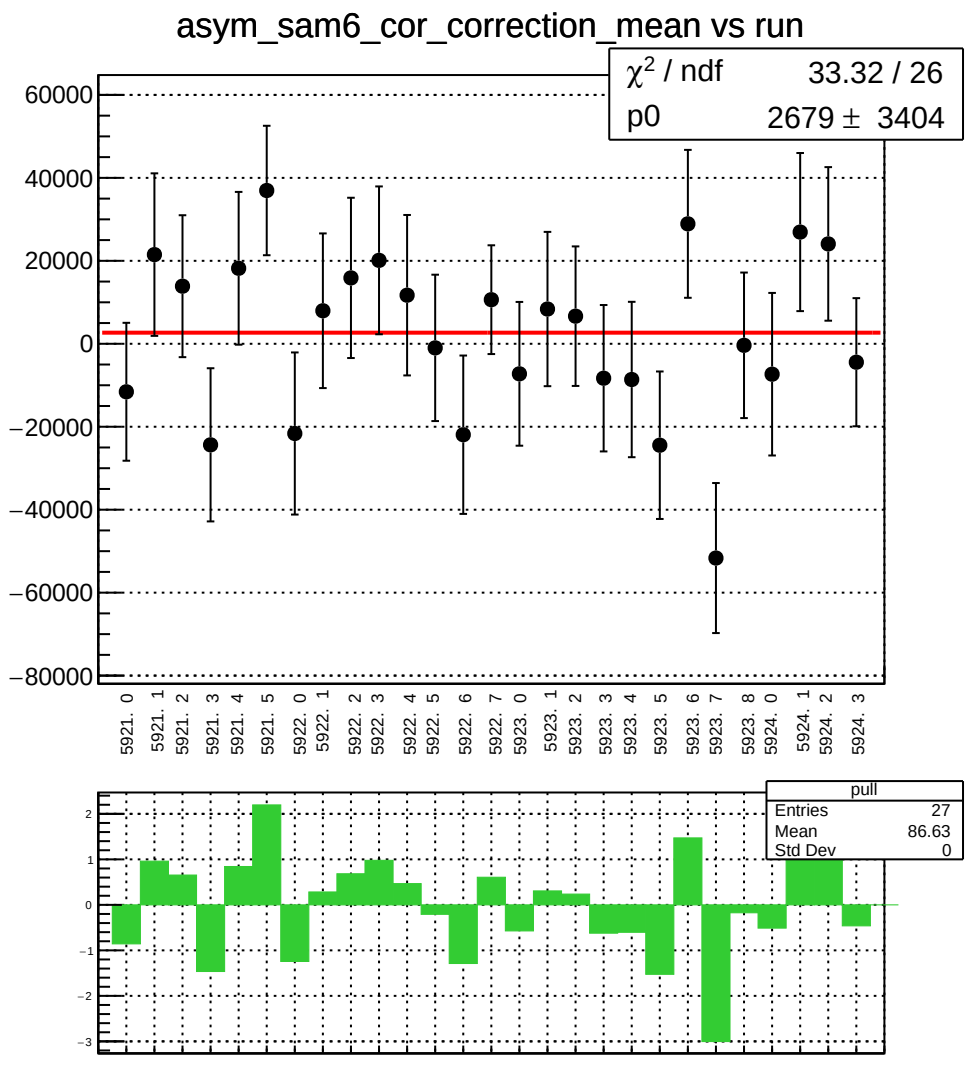

pull1D
Entries 27
Mean −0.01548
Std Dev 1.111
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

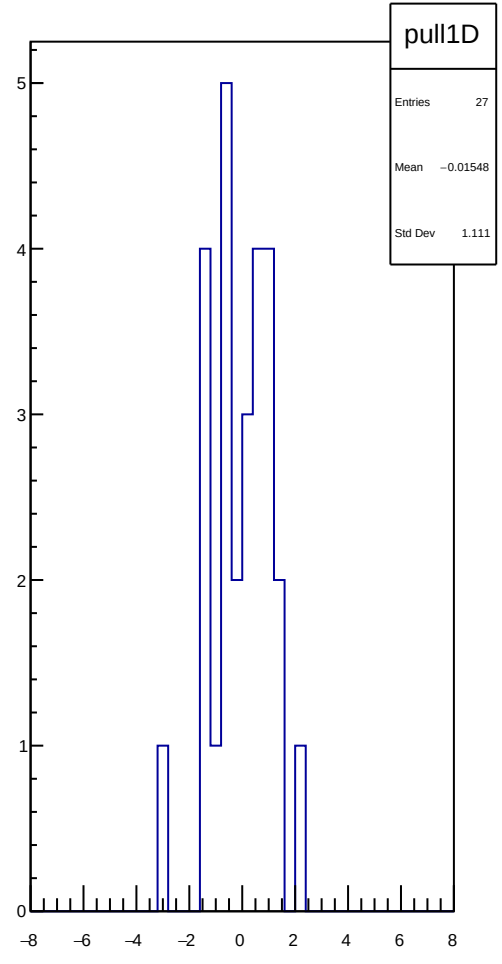

asym_sam6_reg_correction_rms vs run
χ² / ndf 1093 / 26
p0 1729 ± 2.407
1900
1850
1800
1750
1700
1650
1600
1550
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

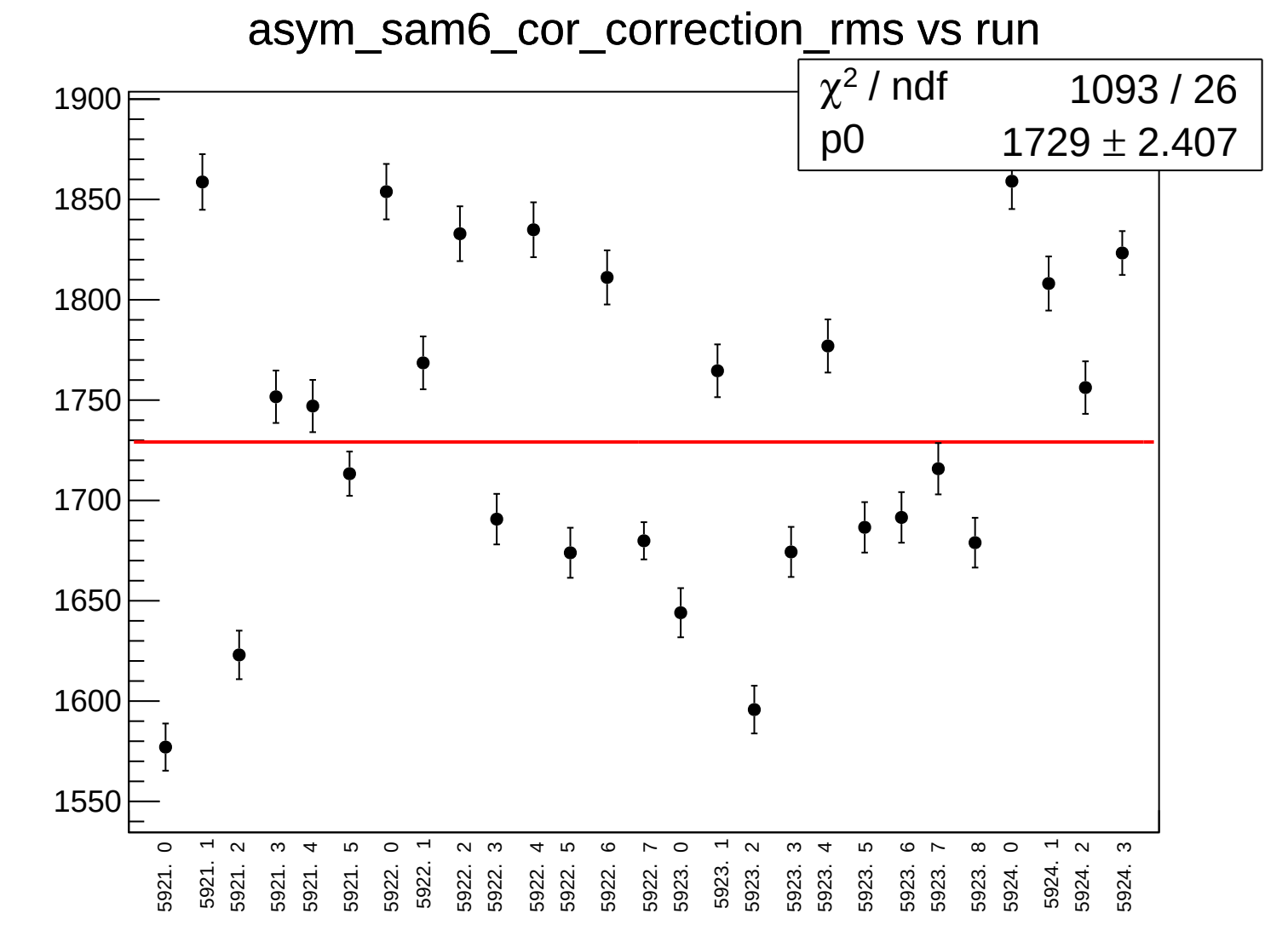

cor_asym_sam6_mean vs run
χ² / ndf 21.55 / 26
p0 −159.9 ± 295.4
6000
4000
2000
0
−2000
−4000
−6000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −66.04
Std Dev 0
2
1
0
−1
−2

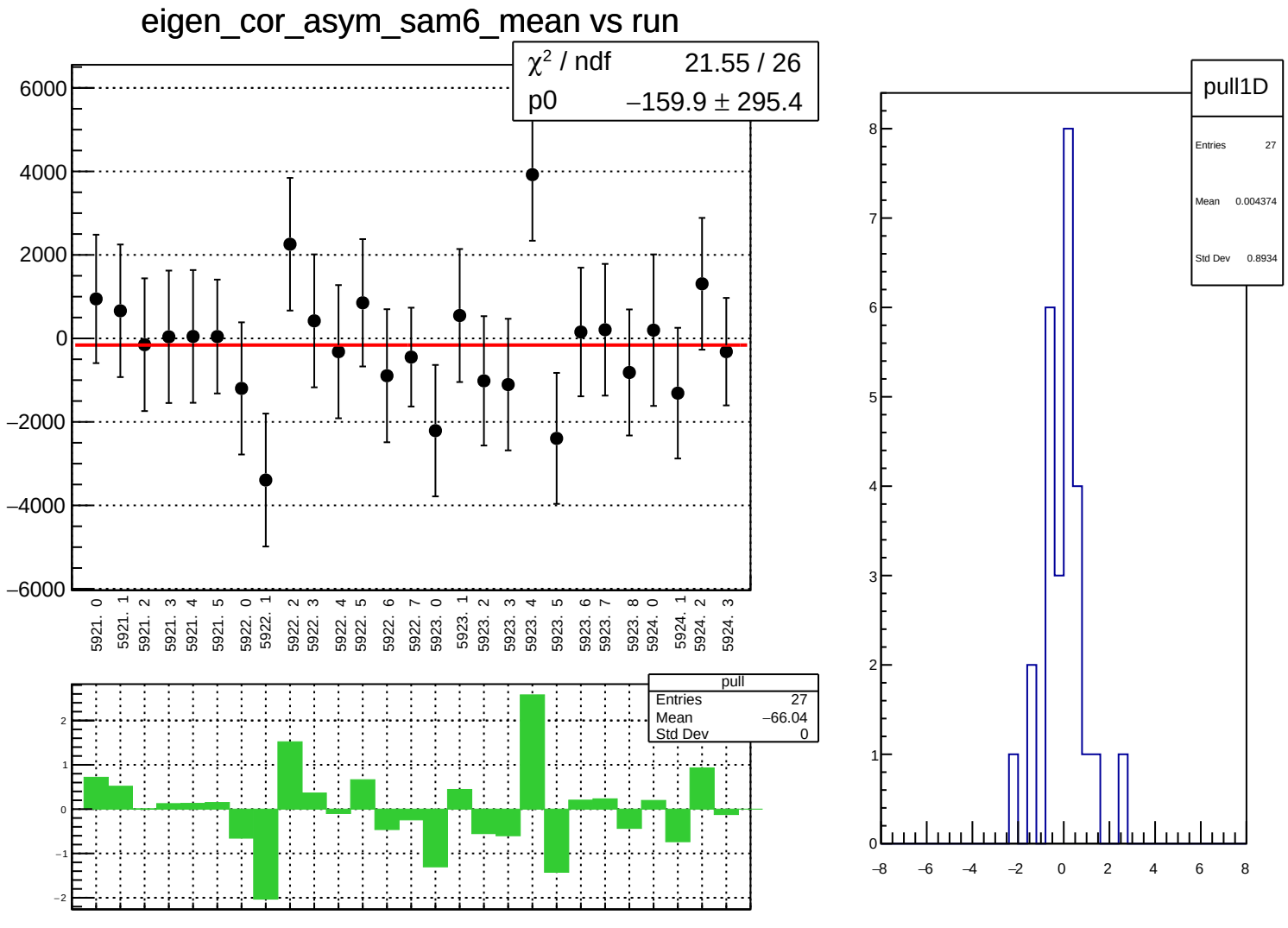

pull1D
Entries 27
Mean 0.004374
Std Dev 0.8934
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

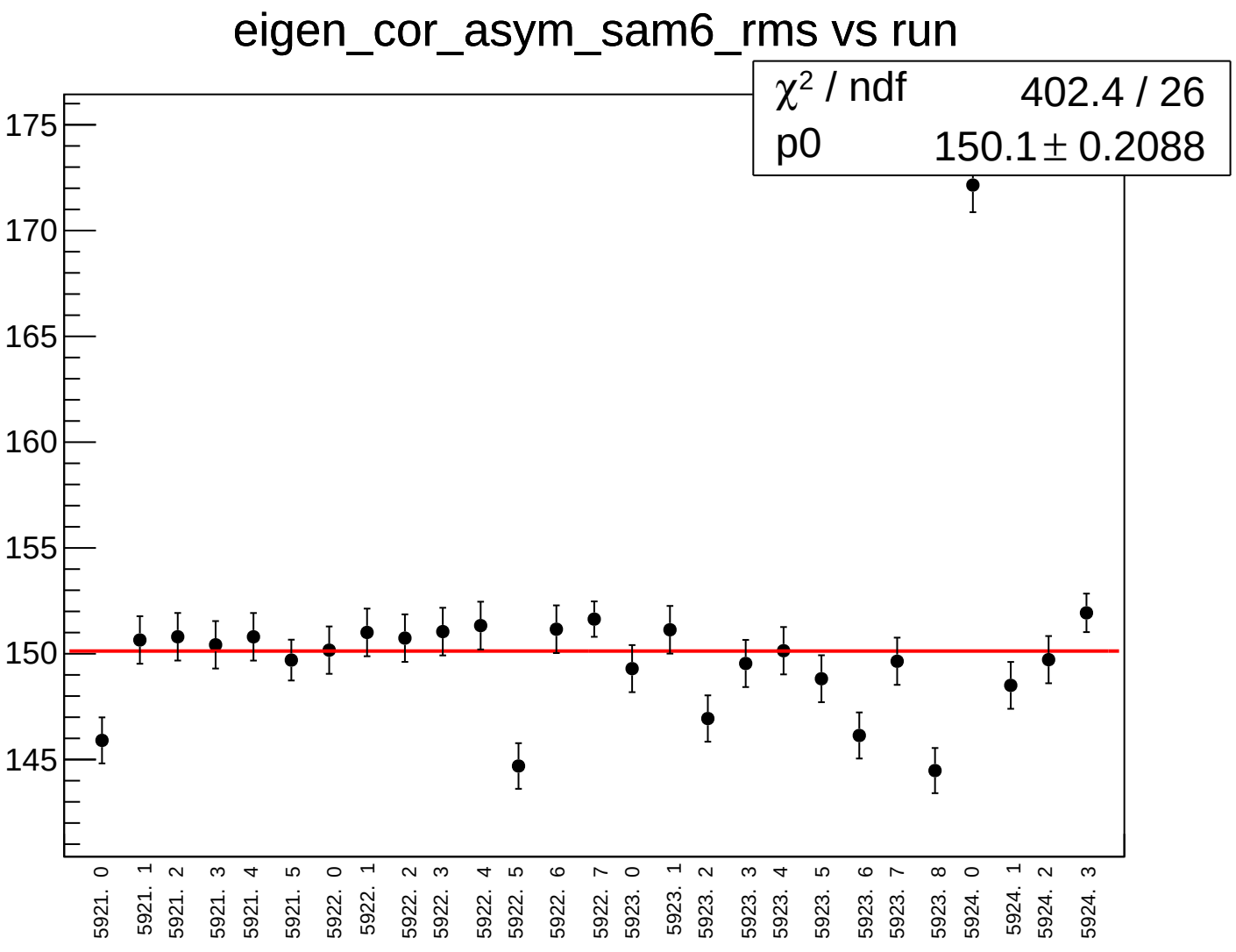

cor_asym_sam6_rms vs run
χ² / ndf 402.4 / 26
p0 150.1 ± 0.2088
175
170
165
160
155
150
145
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

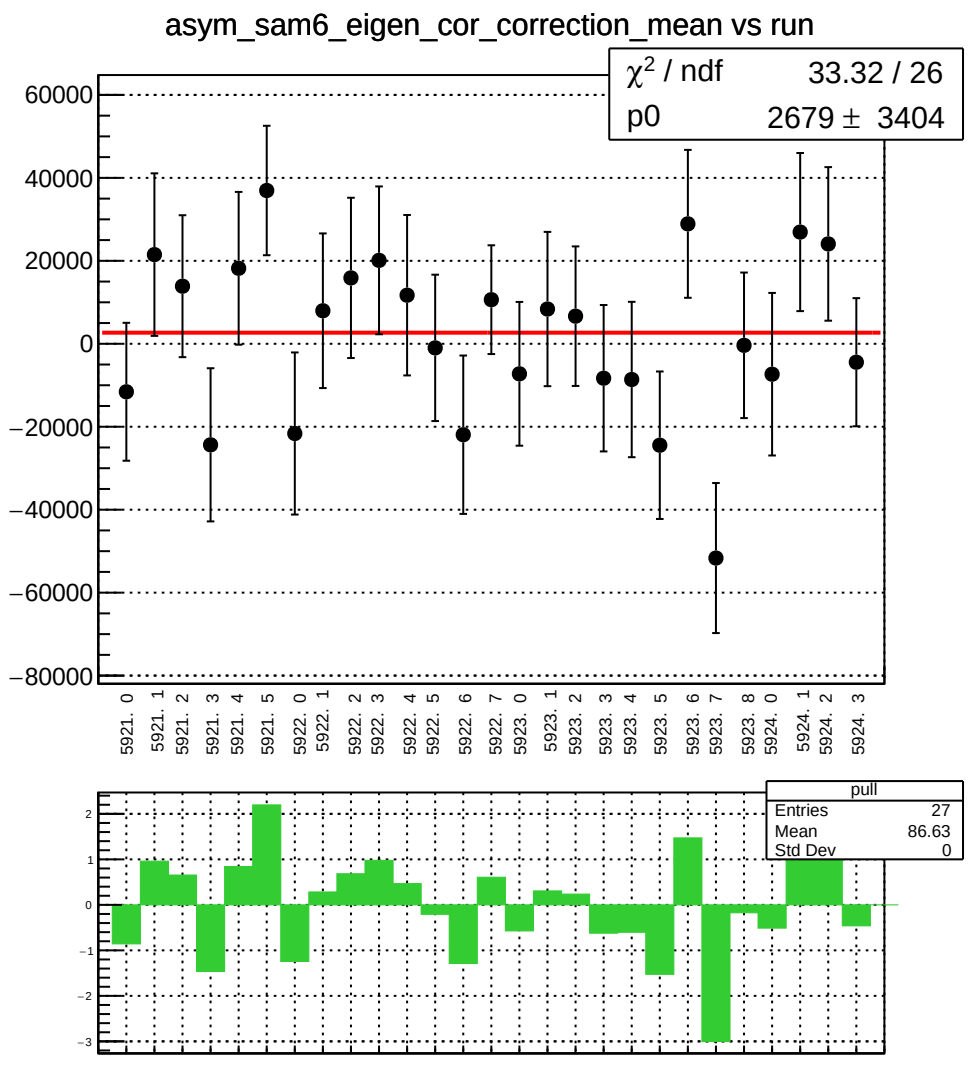

asym_sam6_cor_correction_mean vs run
χ² / ndf 33.32 / 26
p0 2679 ± 3404
60000
40000
20000
0
−20000
−40000
−60000
−80000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 86.63
Std Dev 0
2
1
0
−1
−2
−3

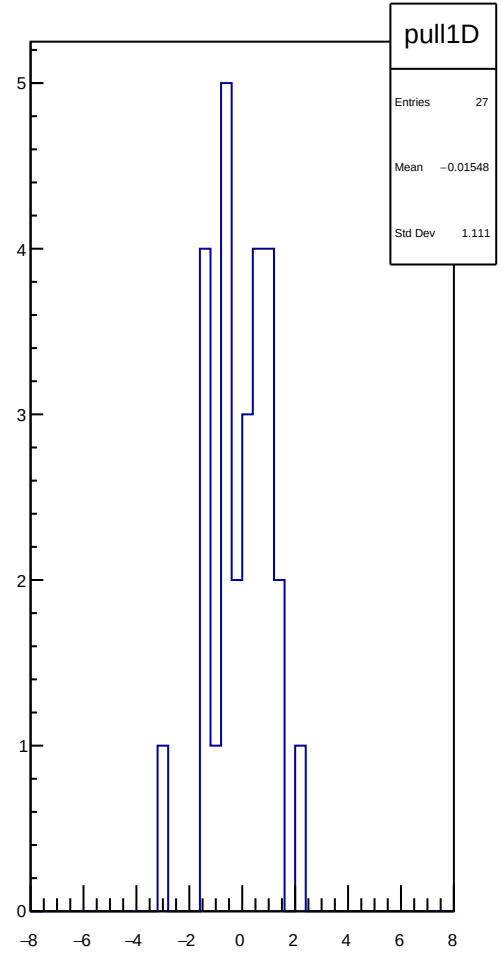

pull1D
Entries 27
Mean −0.01548
Std Dev 1.111
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

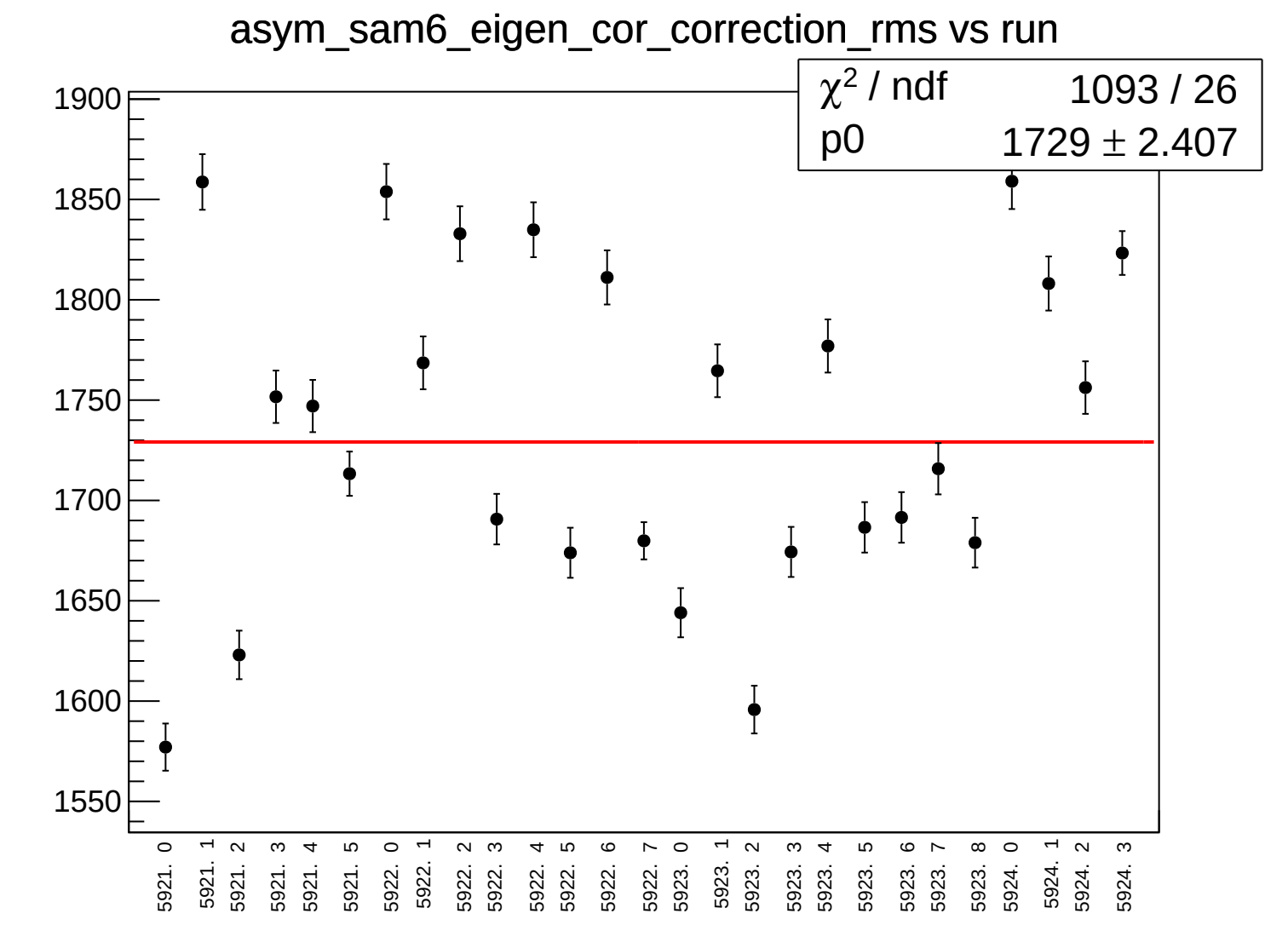

asym_sam6_cor_correction_rms vs run
χ² / ndf 1093 / 26
p0 1729 ± 2.407
1900
1850
1800
1750
1700
1650
1600
1550
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

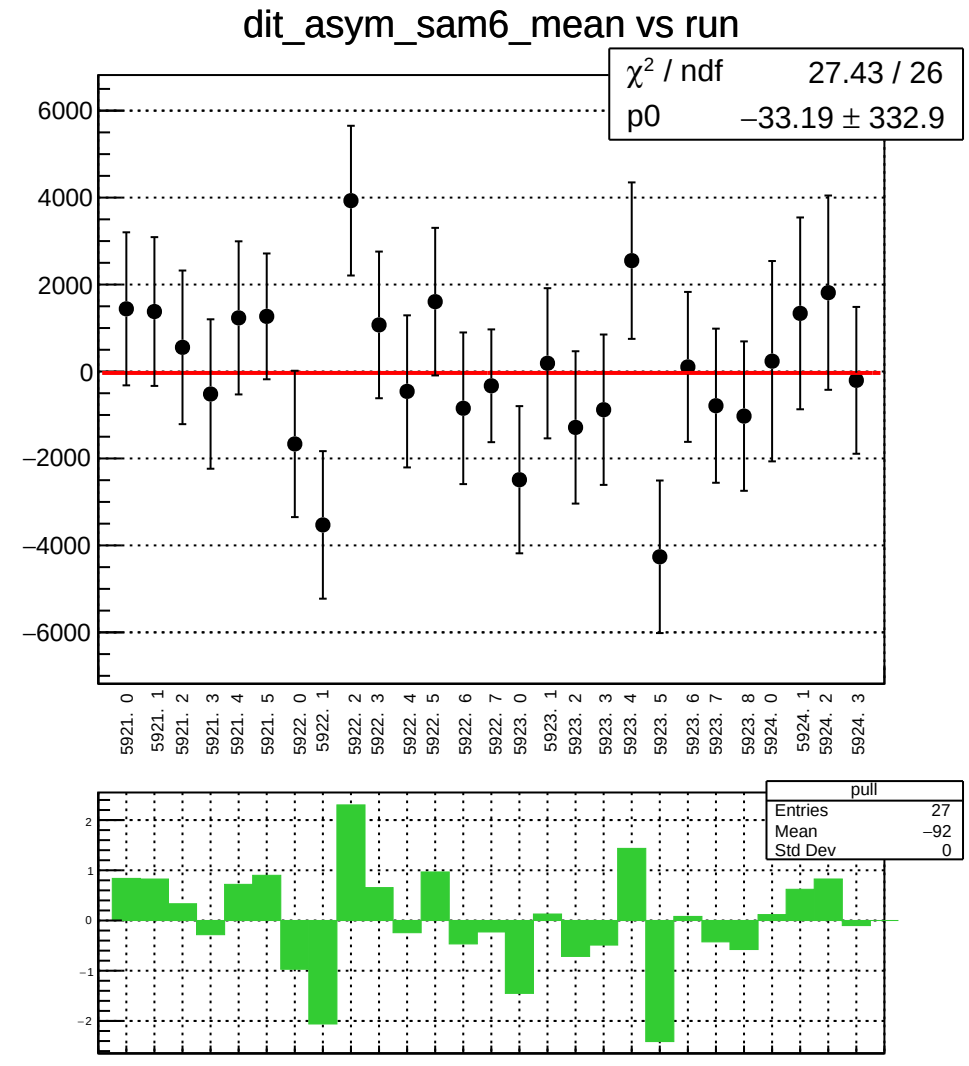

eigen_cor_asym_sam6_mean vs run
χ² / ndf 21.55 / 26
p0 −159.9 ± 295.4
6000
4000
2000
0
−2000
−4000
−6000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −66.04
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.004374
Std Dev 0.8934
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

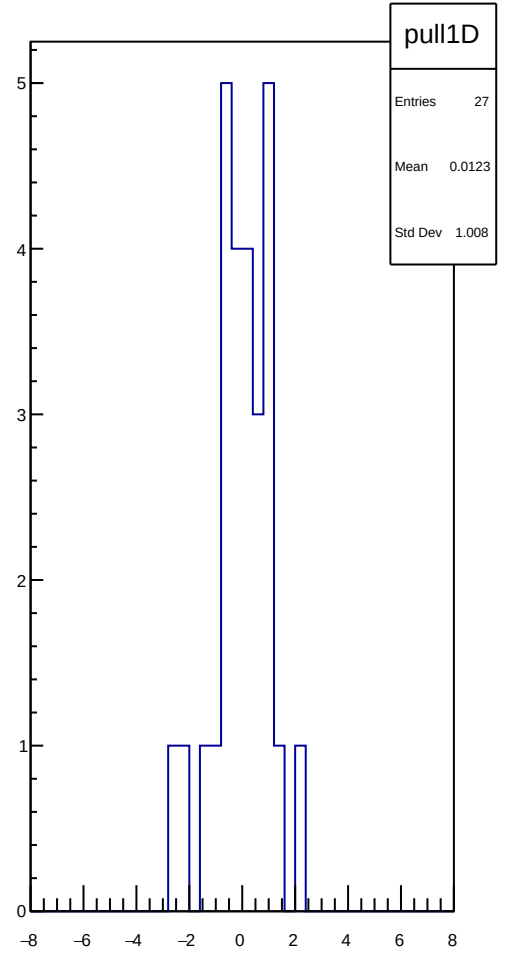

eigen_cor_asym_sam6_rms vs run
χ² / ndf 402.4 / 26
p0 150.1 ± 0.2088
175
170
165
160
155
150
145
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

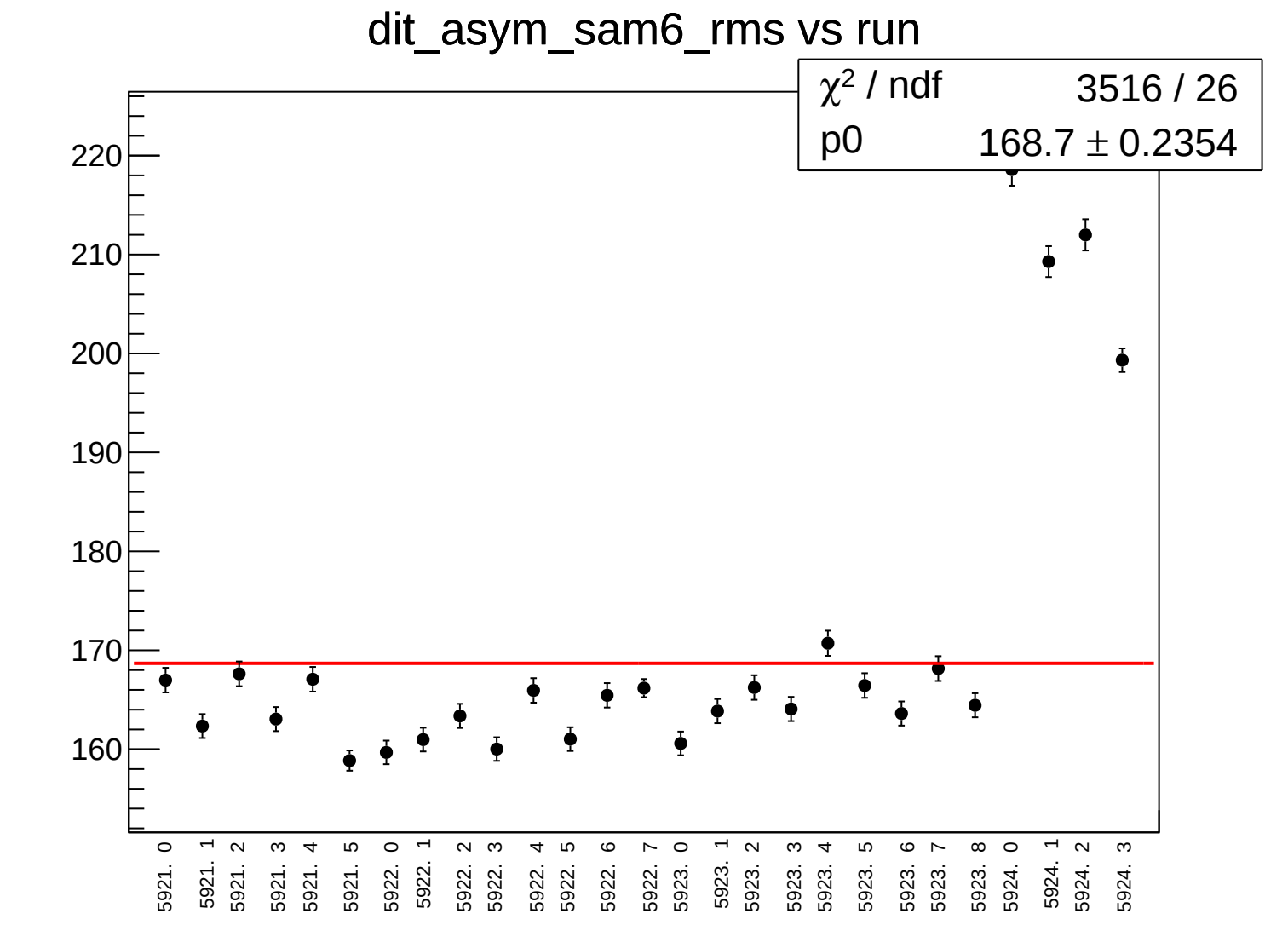

asym_sam6_eigen_cor_correction_mean vs run
χ² / ndf 33.32 / 26
p0 2679 ± 3404
60000
40000
20000
0
−20000
−40000
−60000
−80000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 86.63
Std Dev 0
2
1
0
−1
−2
−3

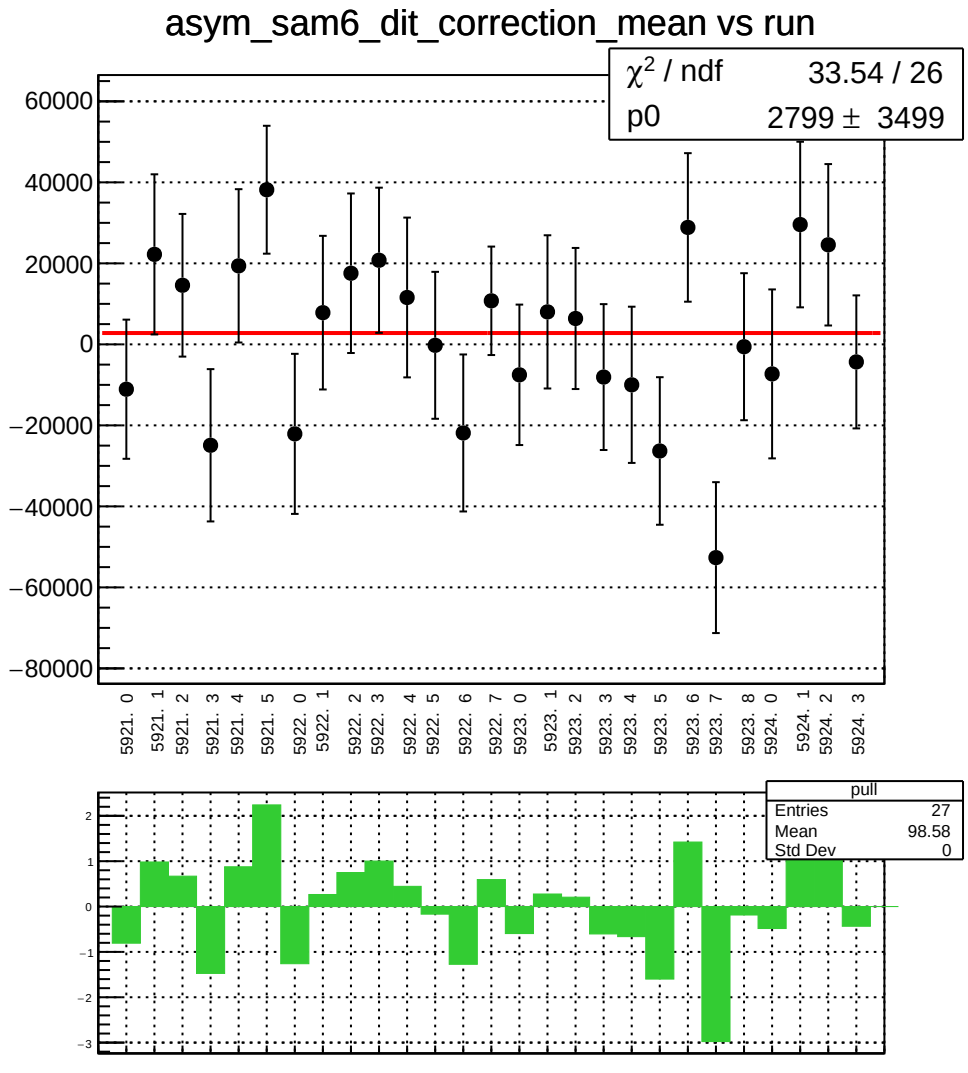

pull1D
Entries 27
Mean −0.01548
Std Dev 1.111
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

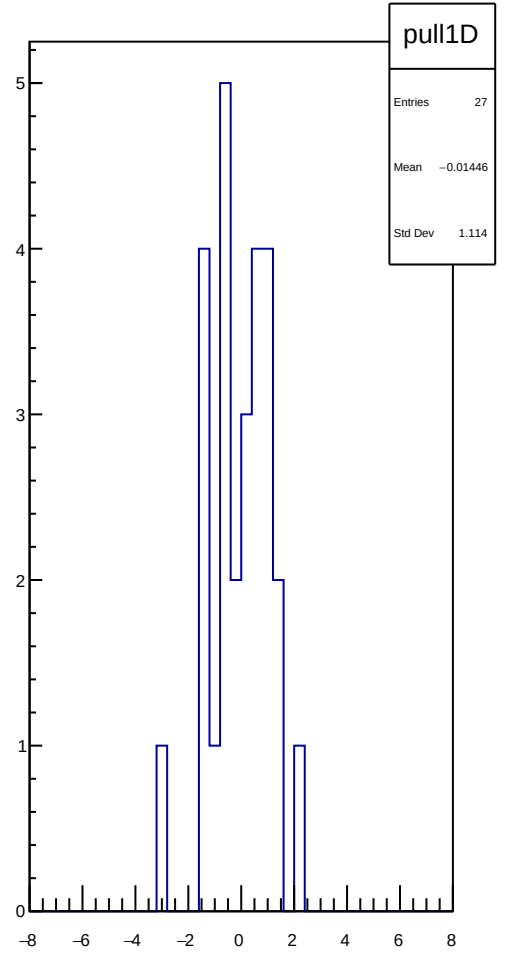

asym_sam6_eigen_cor_correction_rms vs run
χ² / ndf 1093 / 26
p0 1729 ± 2.407
1900
1850
1800
1750
1700
1650
1600
1550
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

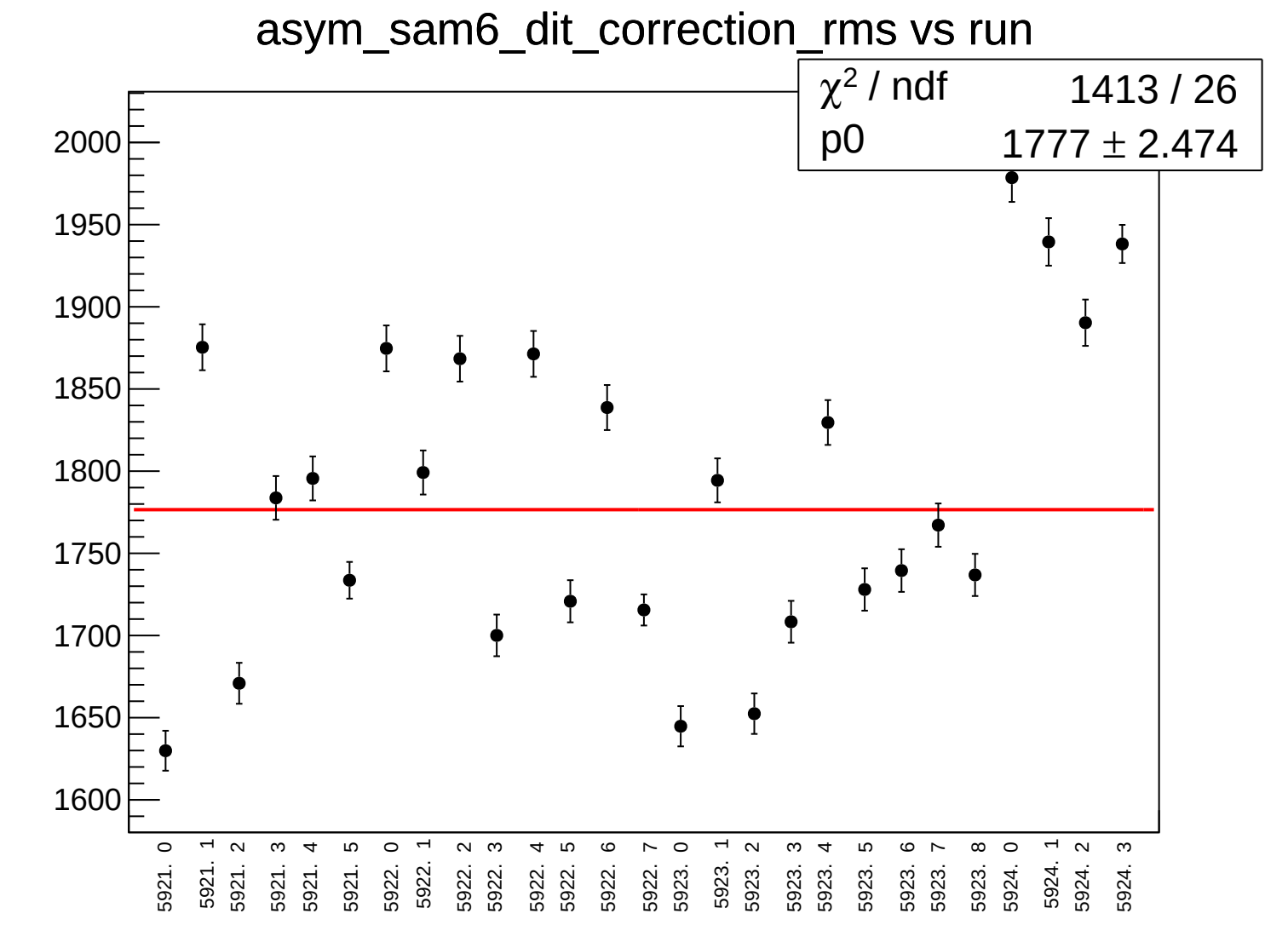

dit_asym_sam6_mean vs run
χ² / ndf 27.43 / 26
p0 −33.19 ± 332.9
6000
4000
2000
0
−2000
−4000
−6000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −92
Std Dev 0
2
1
0
−1
−2

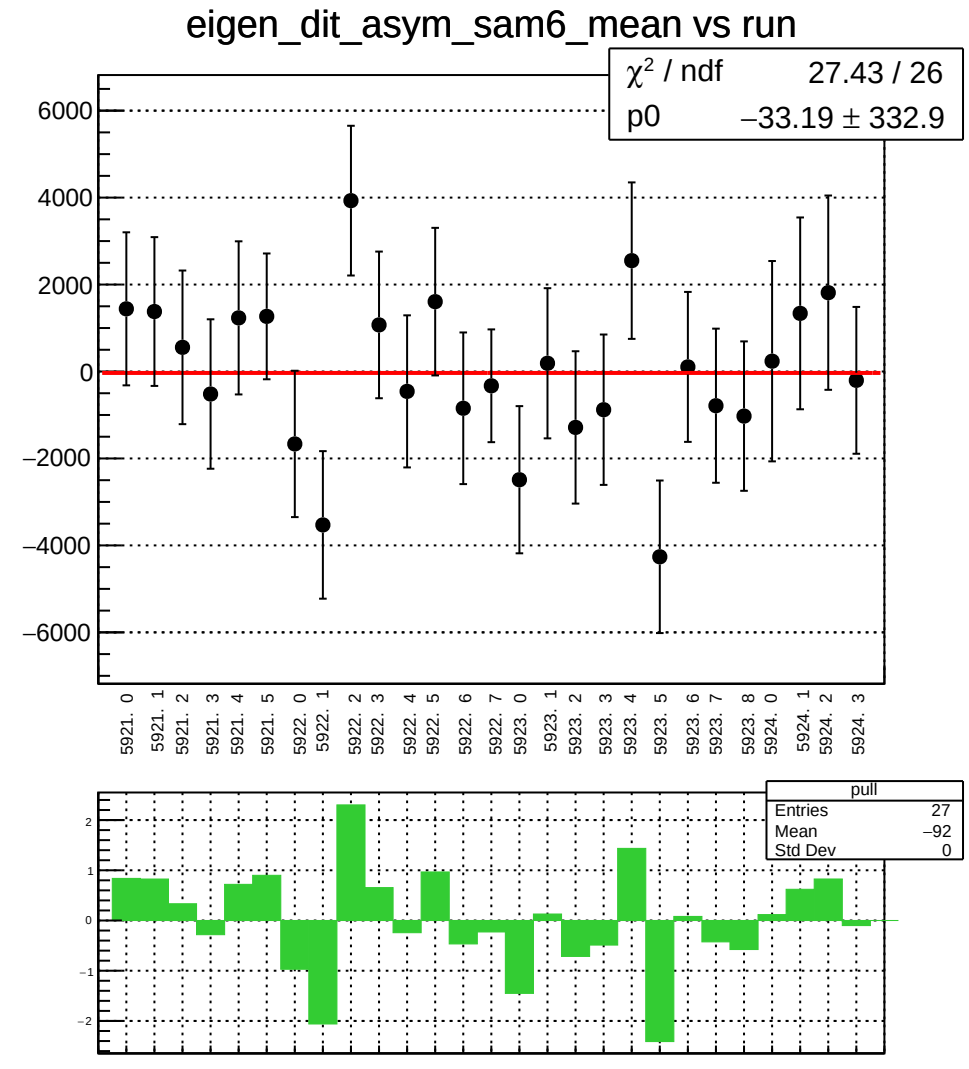

pull1D
Entries 27
Mean 0.0123
Std Dev 1.008
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

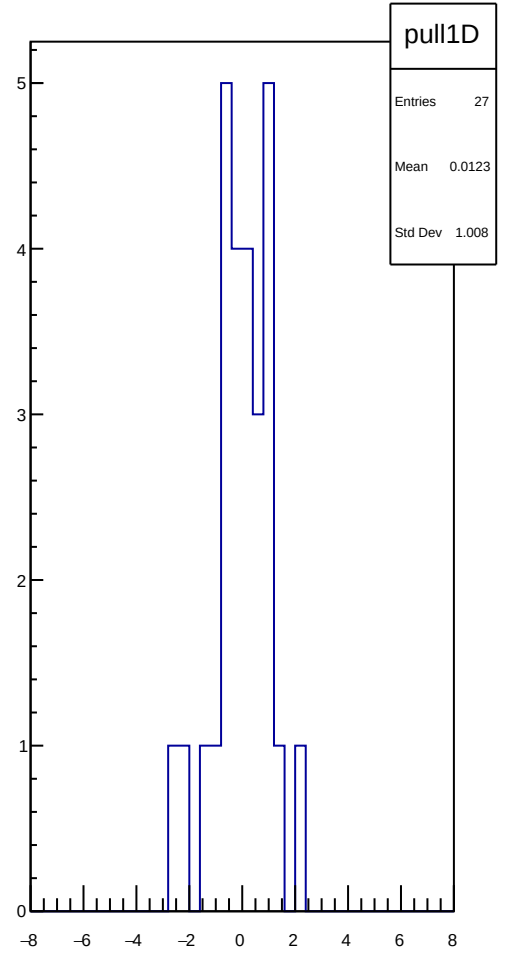

dit_asym_sam6_rms vs run
χ² / ndf 3516 / 26
p0 168.7 ± 0.2354
220
210
200
190
180
170
160
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

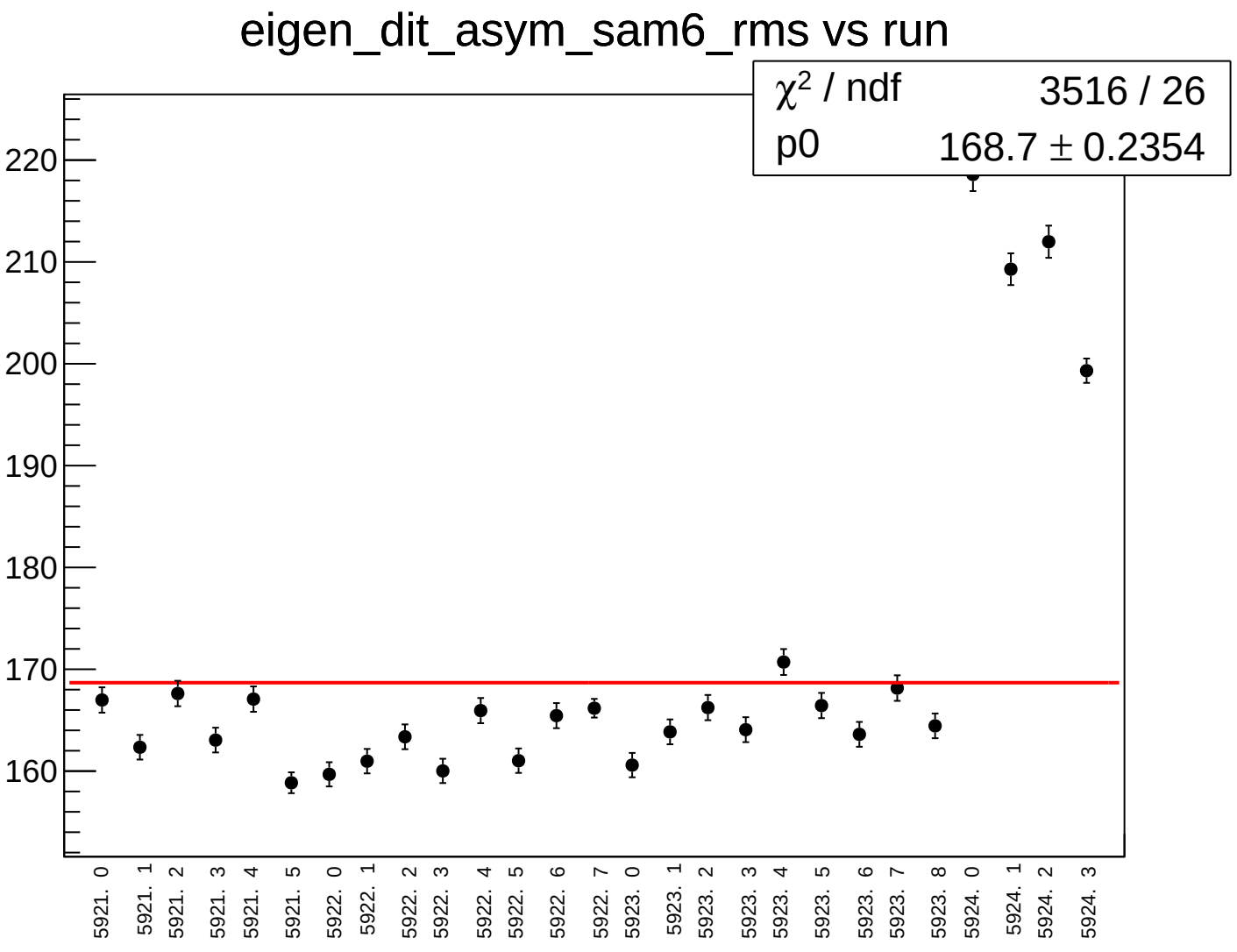

asym_sam6_dit_correction_mean vs run
χ² / ndf 33.54 / 26
p0 2799 ± 3499
60000
40000
20000
0
−20000
−40000
−60000
−80000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 98.58
Std Dev 0
2
1
0
−1
−2
−3

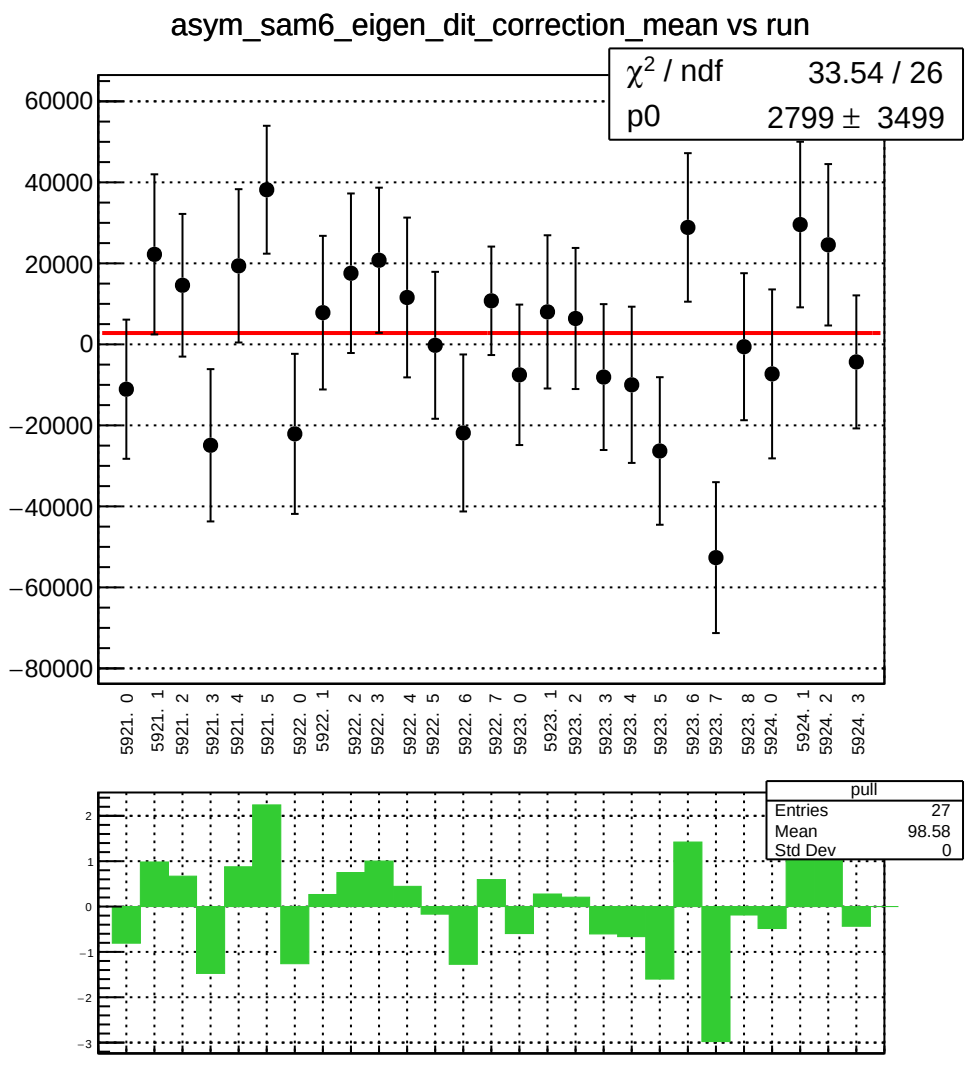

pull1D
Entries 27
Mean −0.01446
Std Dev 1.114
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

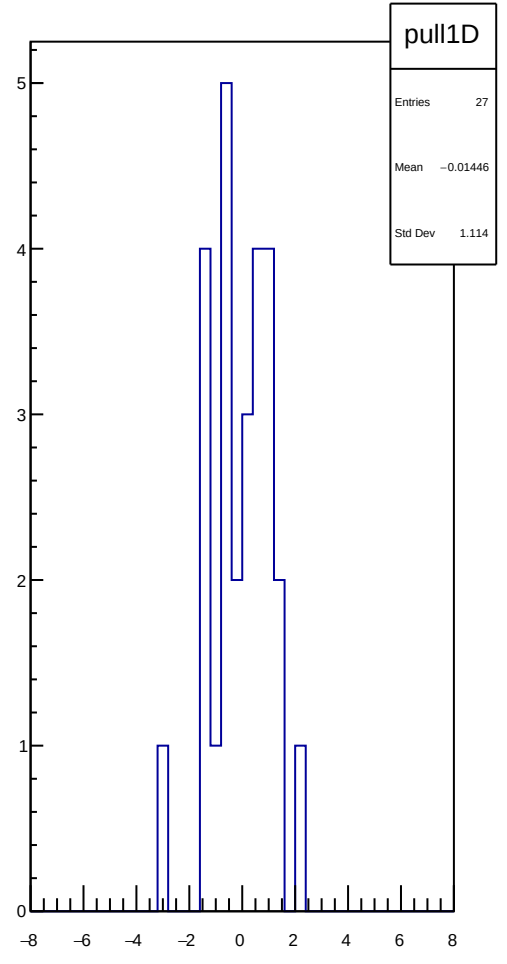

asym_sam6_dit_correction_rms vs run
χ² / ndf 1413 / 26
p0 1777 ± 2.474
2000
1950
1900
1850
1800
1750
1700
1650
1600
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

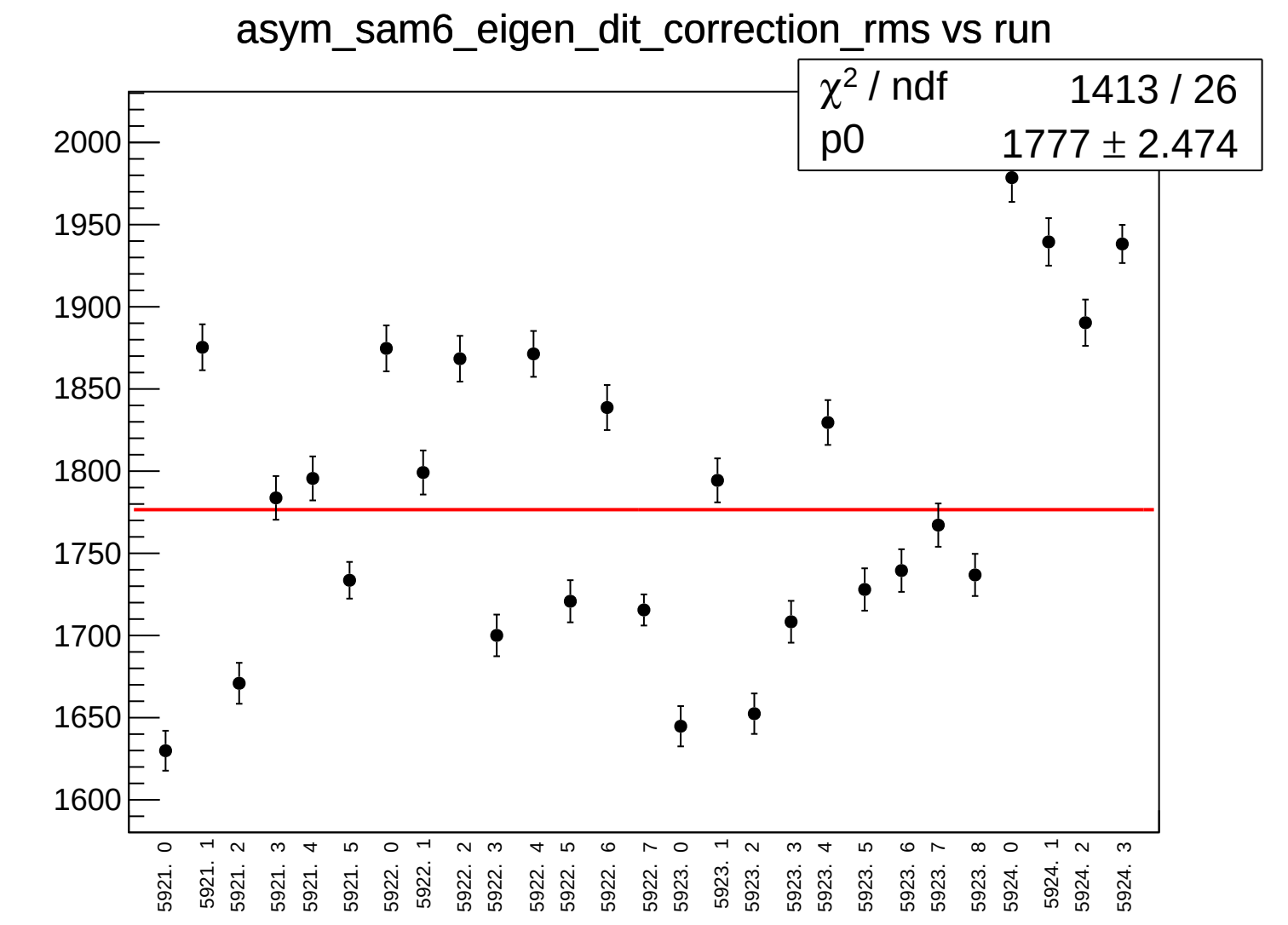

eigen_dit_asym_sam6_mean vs run
χ² / ndf 27.43 / 26
p0 −33.19 ± 332.9
6000
4000
2000
0
−2000
−4000
−6000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −92
Std Dev 0
2
1
0
−1
−2

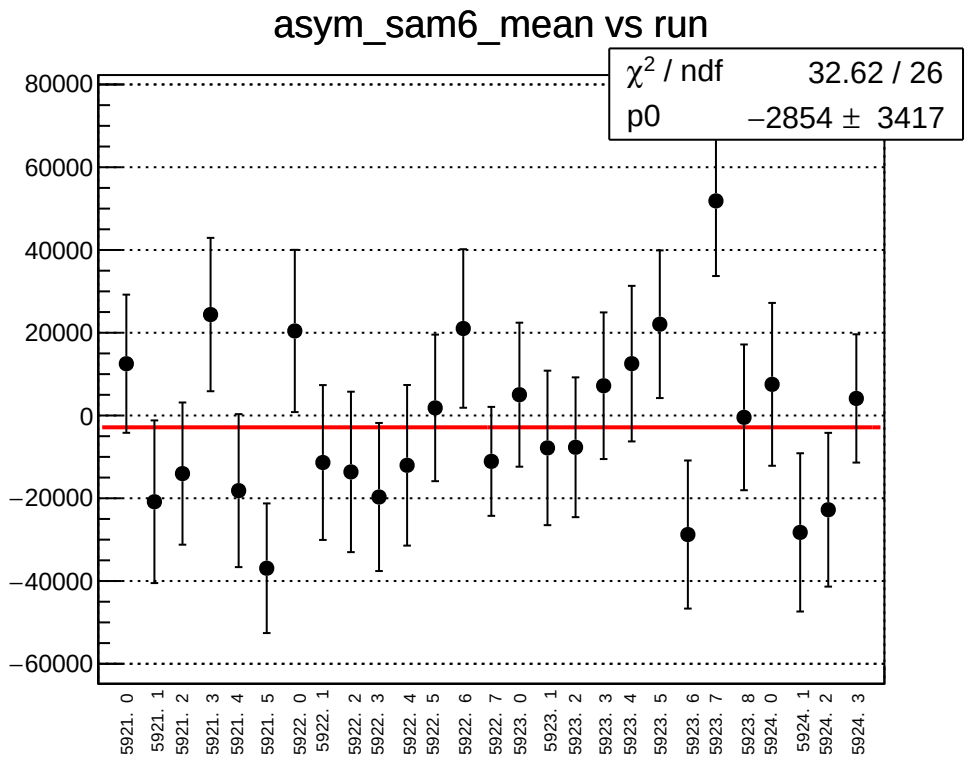

pull1D
Entries 27
Mean 0.0123
Std Dev 1.008
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

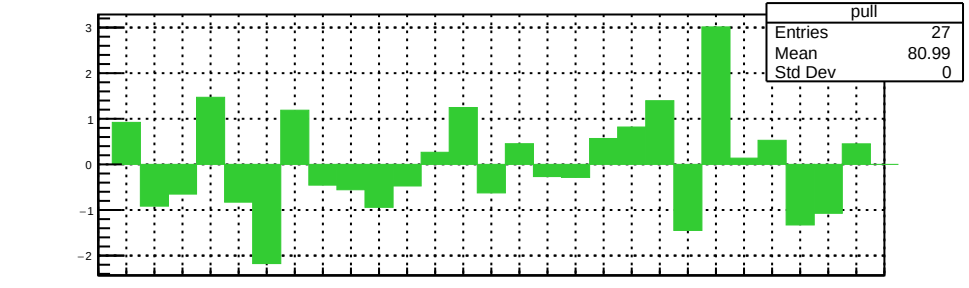

eigen_dit_asym_sam6_rms vs run
χ² / ndf 3516 / 26
p0 168.7 ± 0.2354
220
210
200
190
180
170
160
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

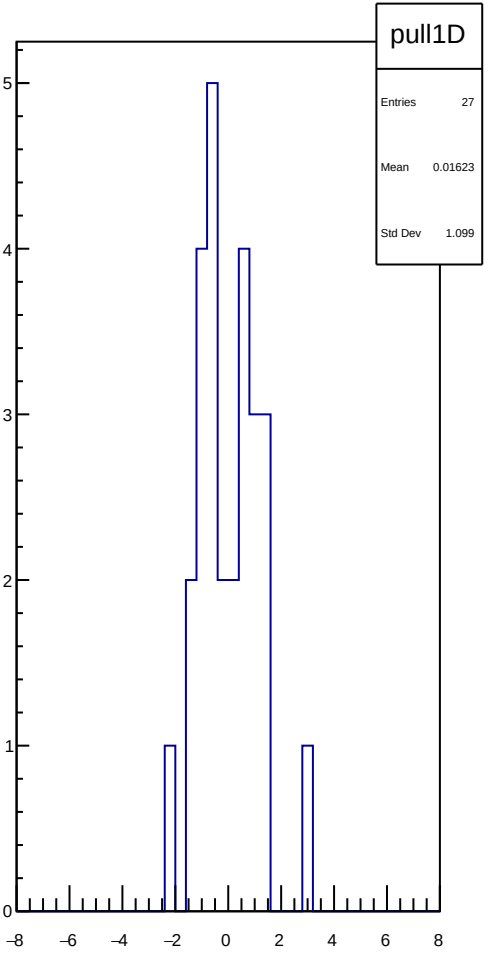

asym_sam6_eigen_dit_correction_mean vs run
χ² / ndf 33.54 / 26
p0 2799 ± 3499
60000
40000
20000
0
−20000
−40000
−60000
−80000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 98.58
Std Dev 0
2
1
0
−1
−2
−3

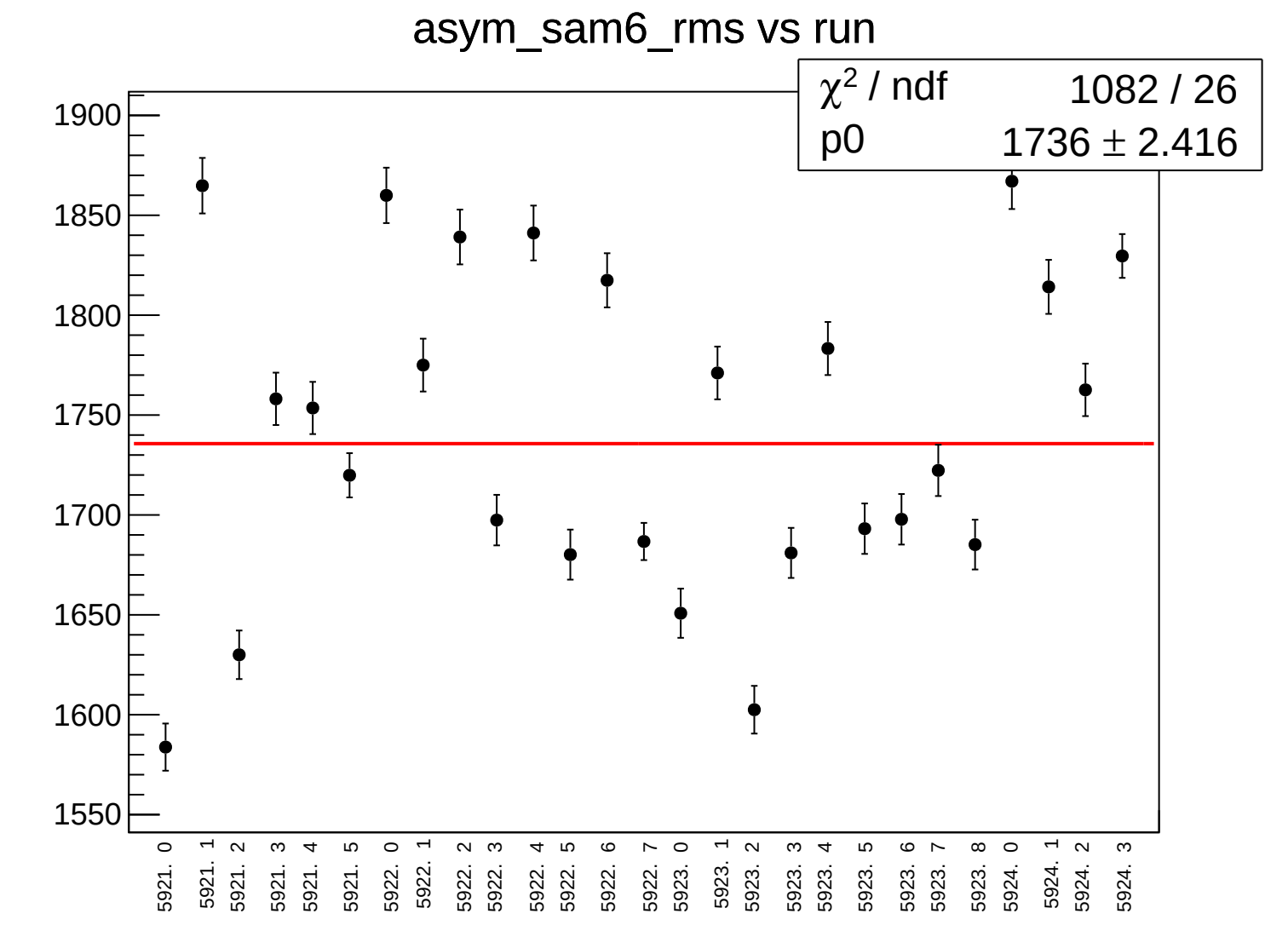

pull1D
Entries 27
Mean −0.01446
Std Dev 1.114
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

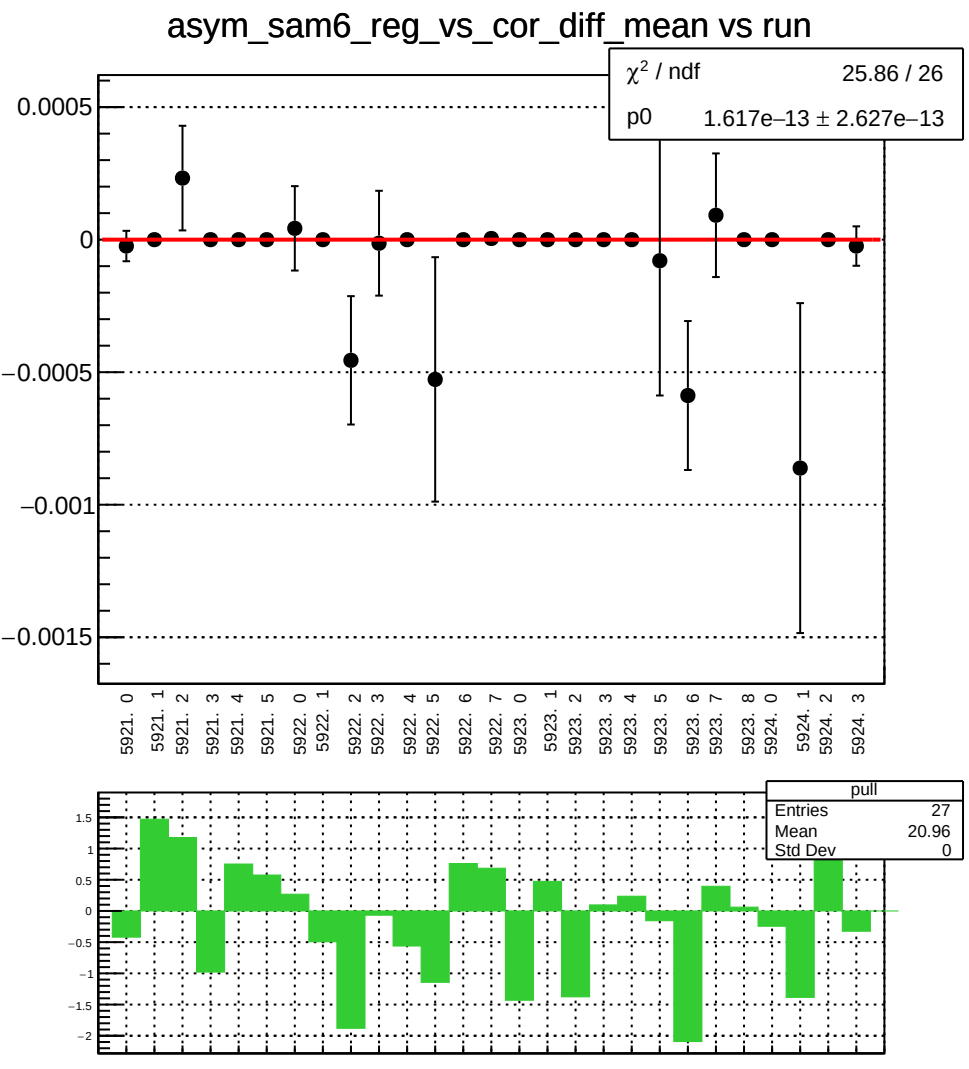

asym_sam6_eigen_dit_correction_rms vs run
χ² / ndf 1413 / 26
p0 1777 ± 2.474
2000
1950
1900
1850
1800
1750
1700
1650
1600
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

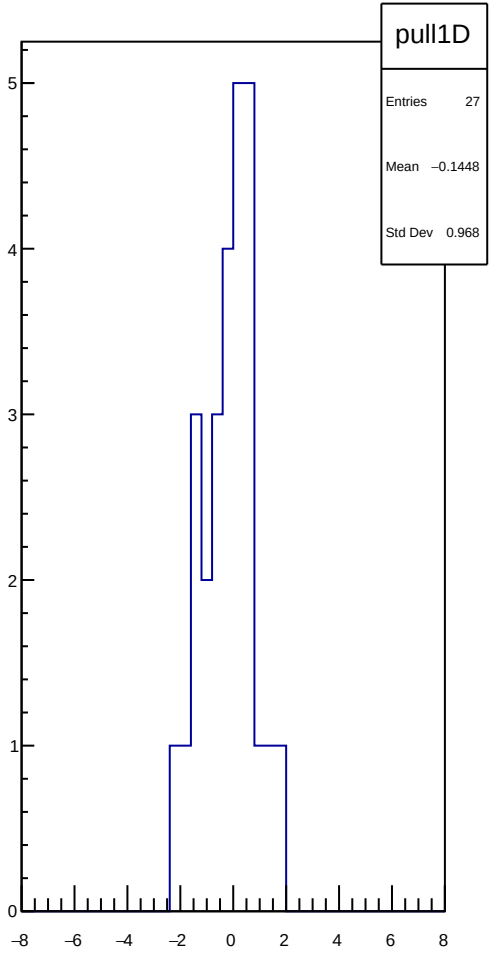

asym_sam6_mean vs run
χ² / ndf 32.62 / 26
p0 −2854 ± 3417
80000
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

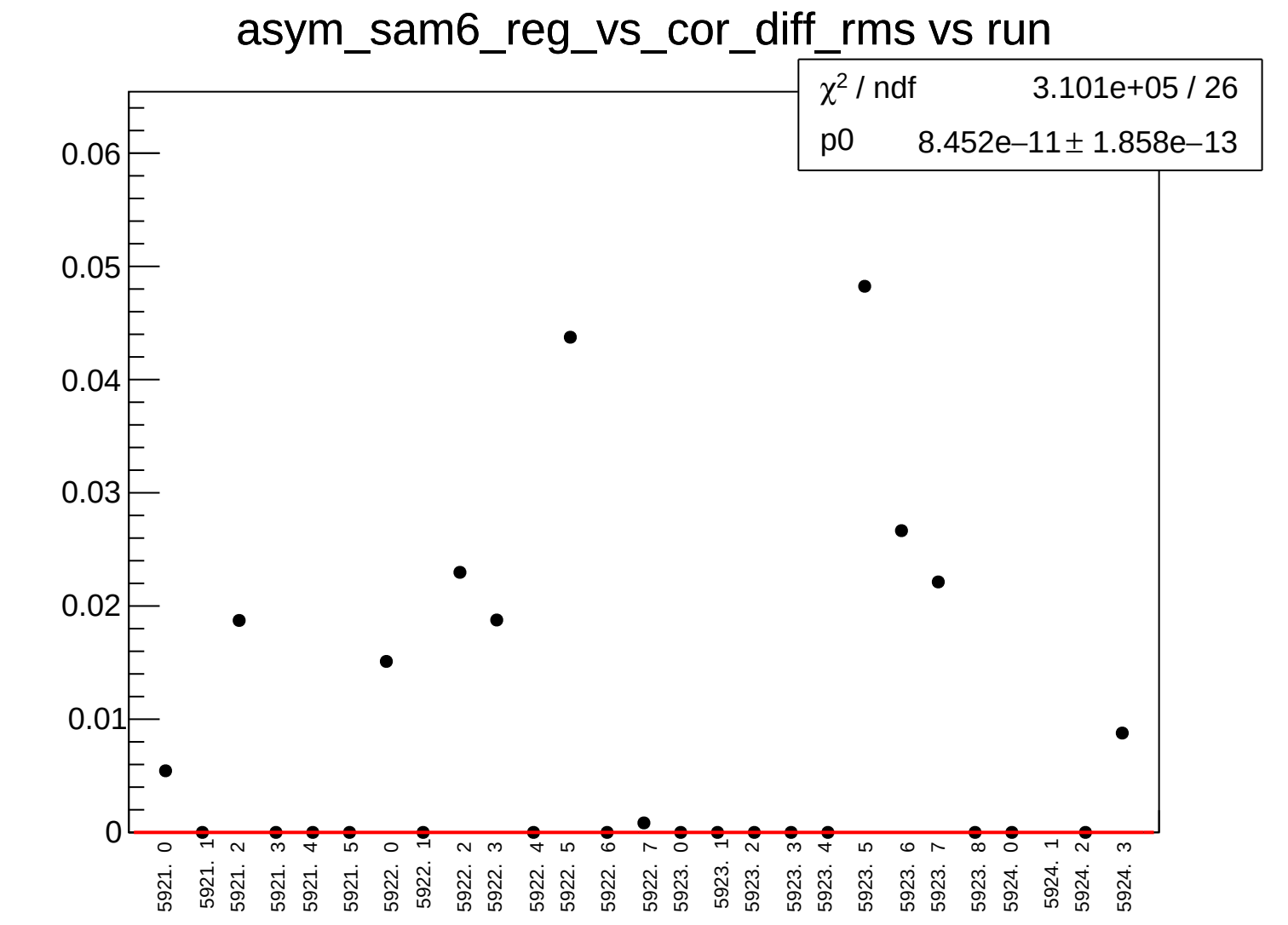

pull
Entries 27
Mean 80.99
Std Dev 0
3
2
1
0
−1
−2

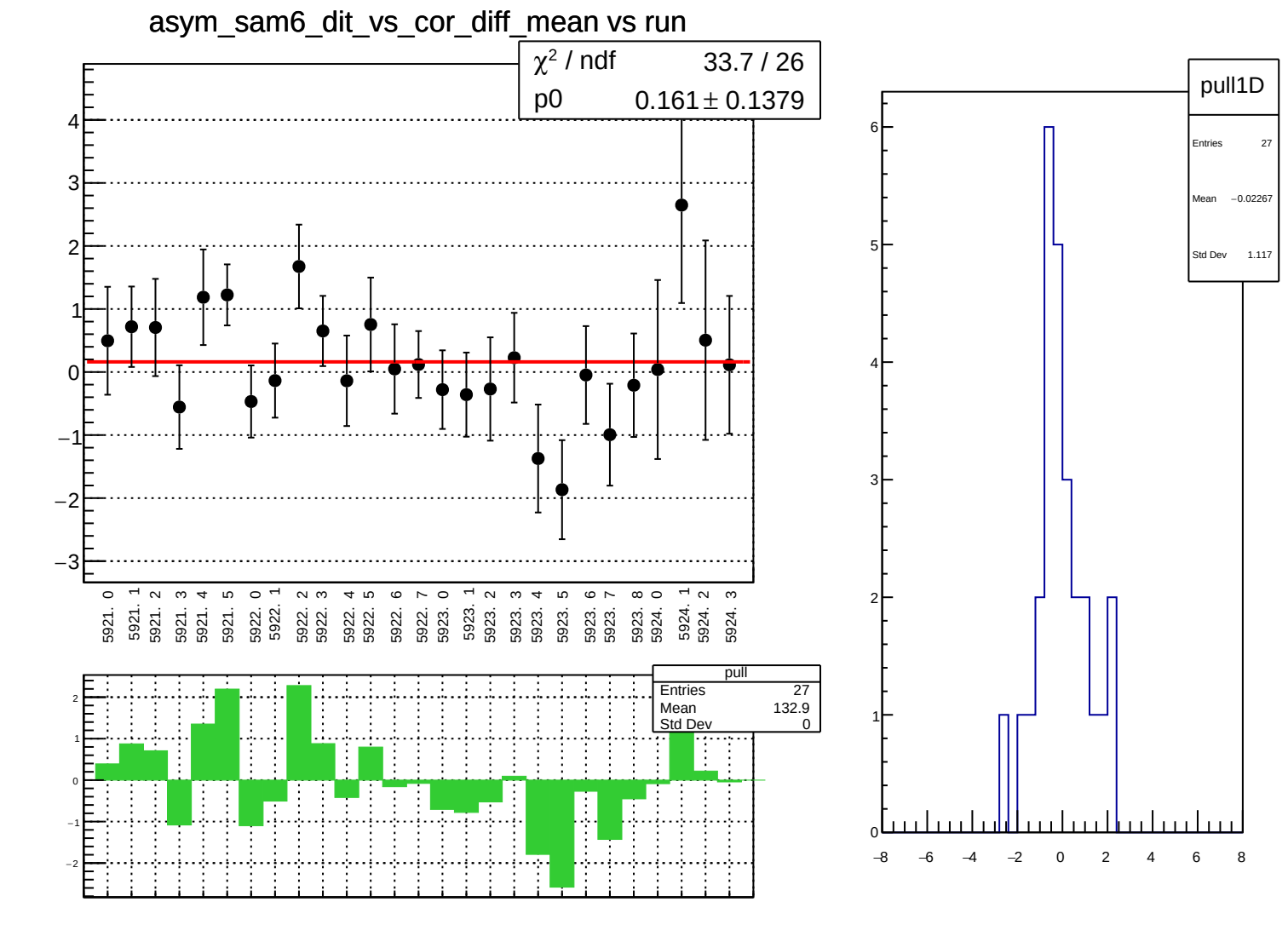

pull1D
Entries 27
Mean 0.01623
Std Dev 1.099
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

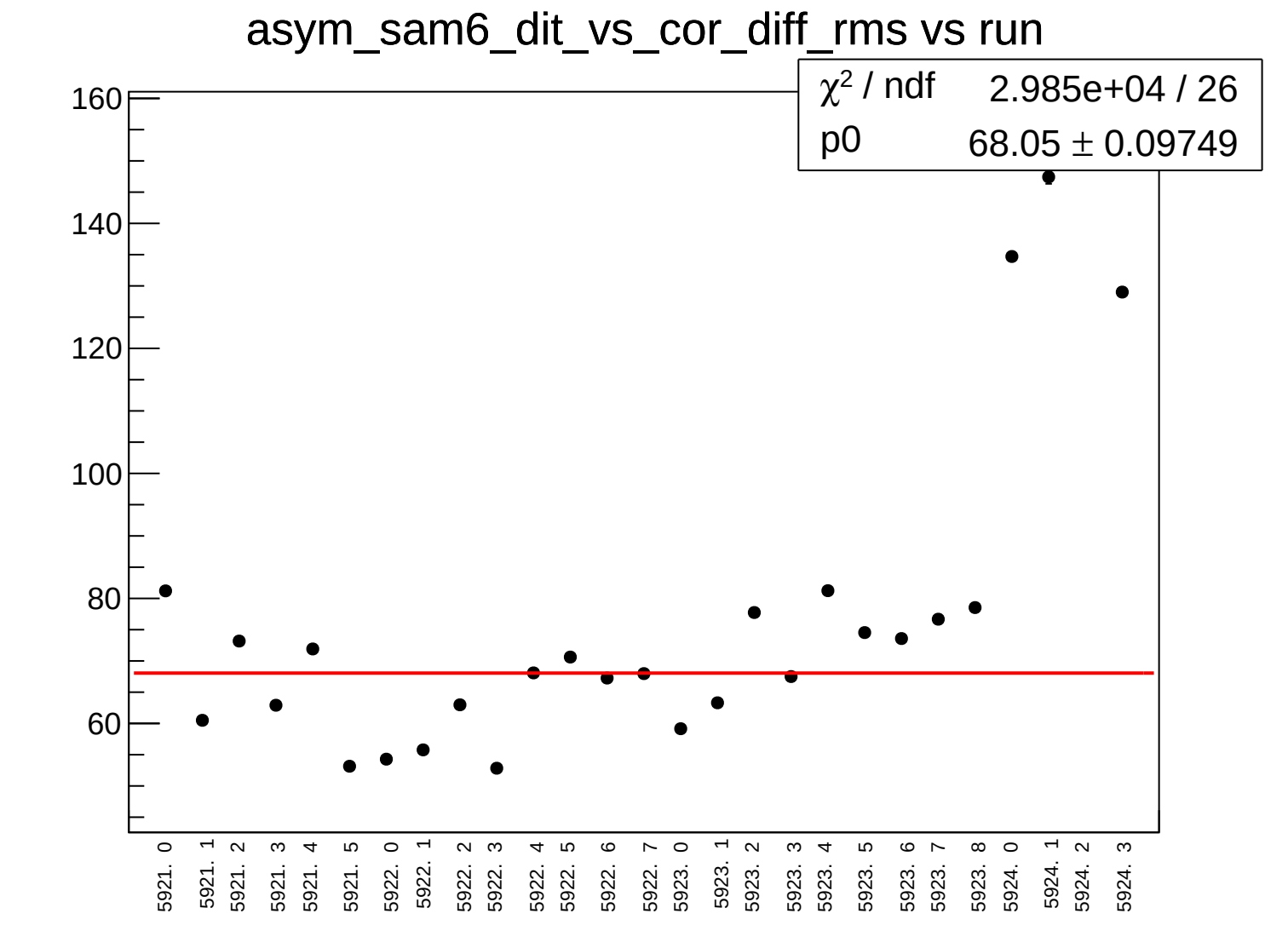

asym_sam6_rms vs run
χ² / ndf 1082 / 26
p0 1736 ± 2.416
1900
1850
1800
1750
1700
1650
1600
1550
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

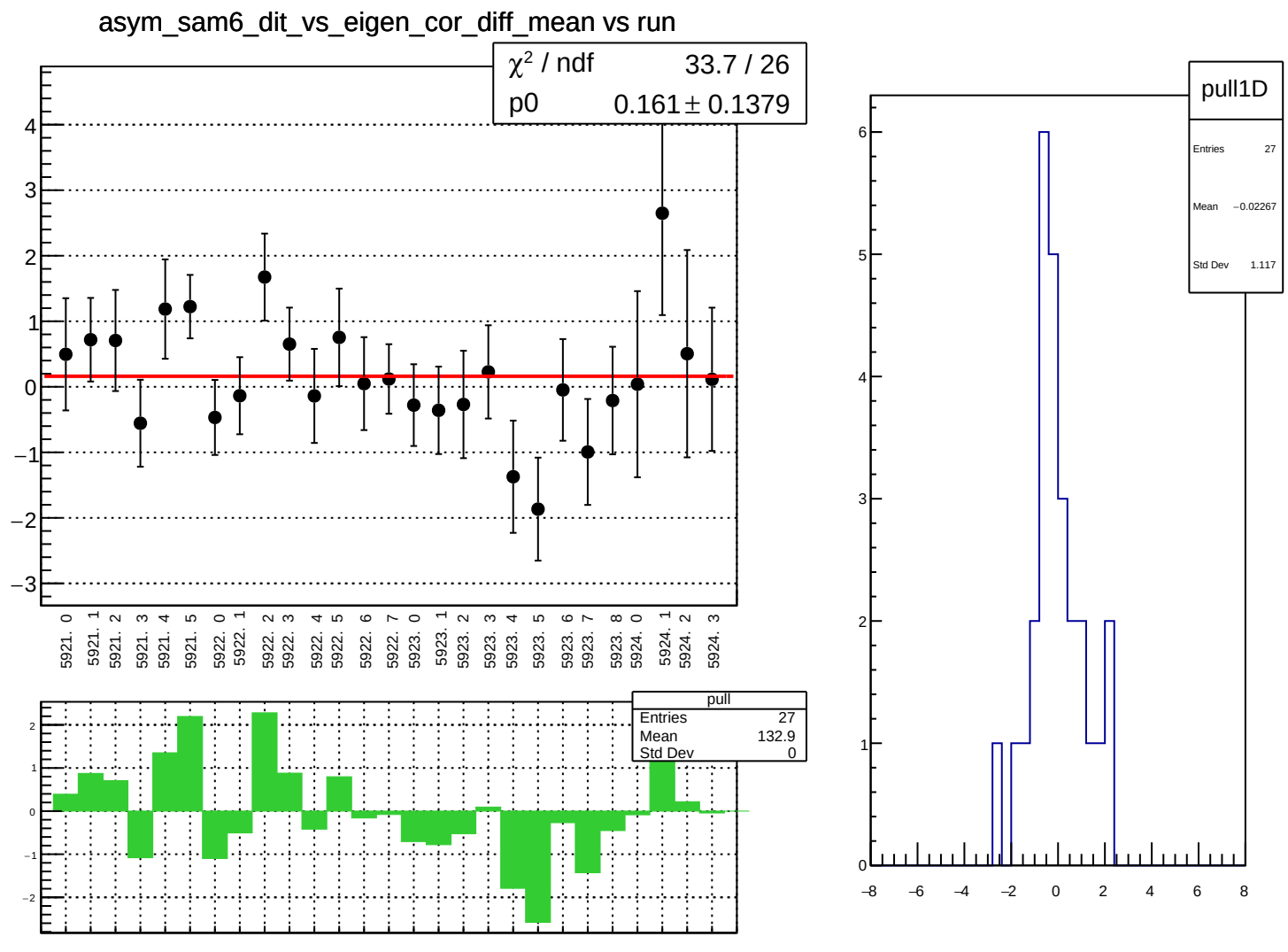

asym_sam6_reg_vs_cor_diff_mean vs run
χ² / ndf 25.86 / 26
p0 1.617e−13 ± 2.627e−13
0.0005
0
−0.0005
−0.001
−0.0015
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 20.96
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

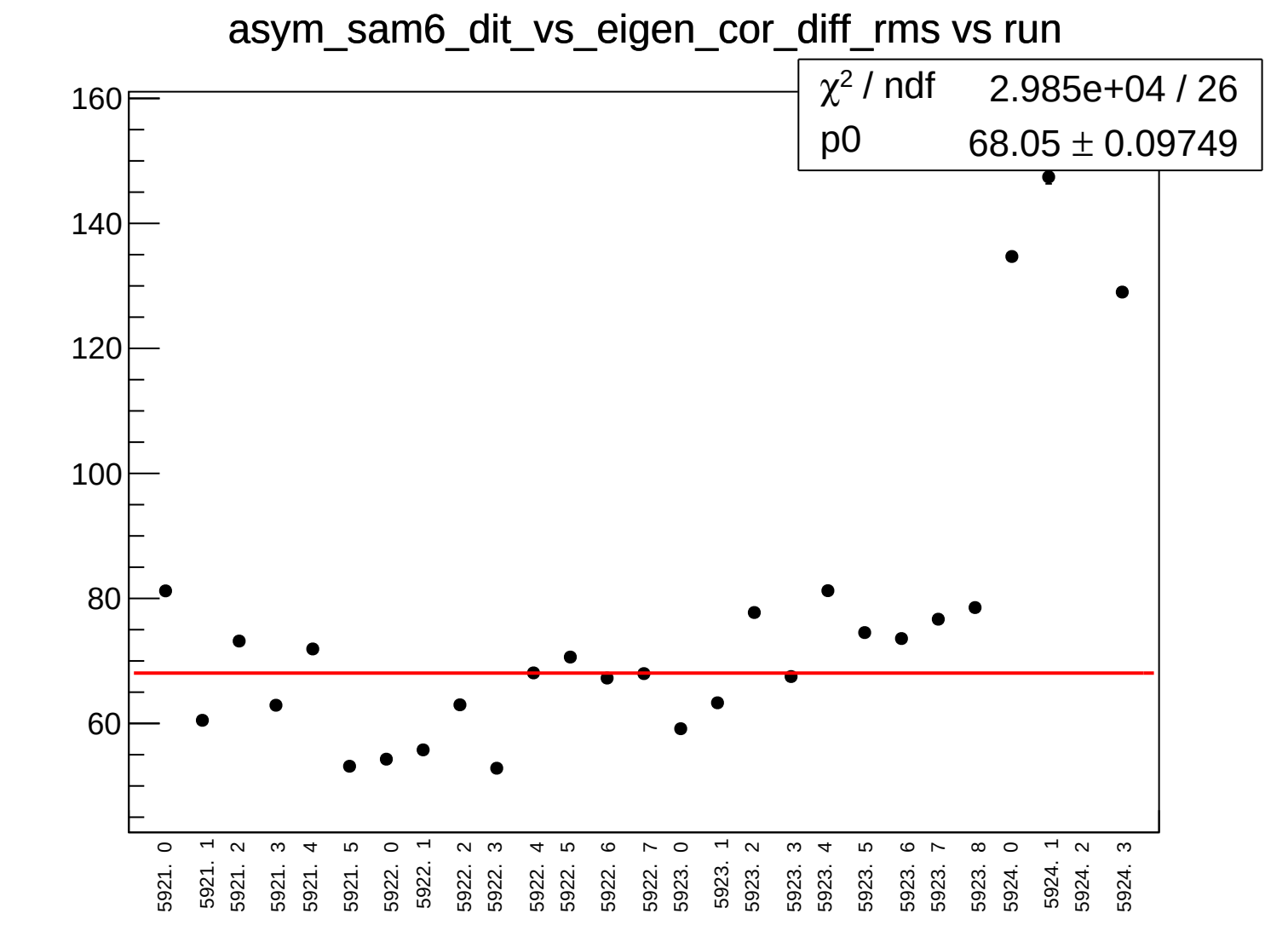

pull1D
Entries 27
Mean −0.1448
Std Dev 0.968
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

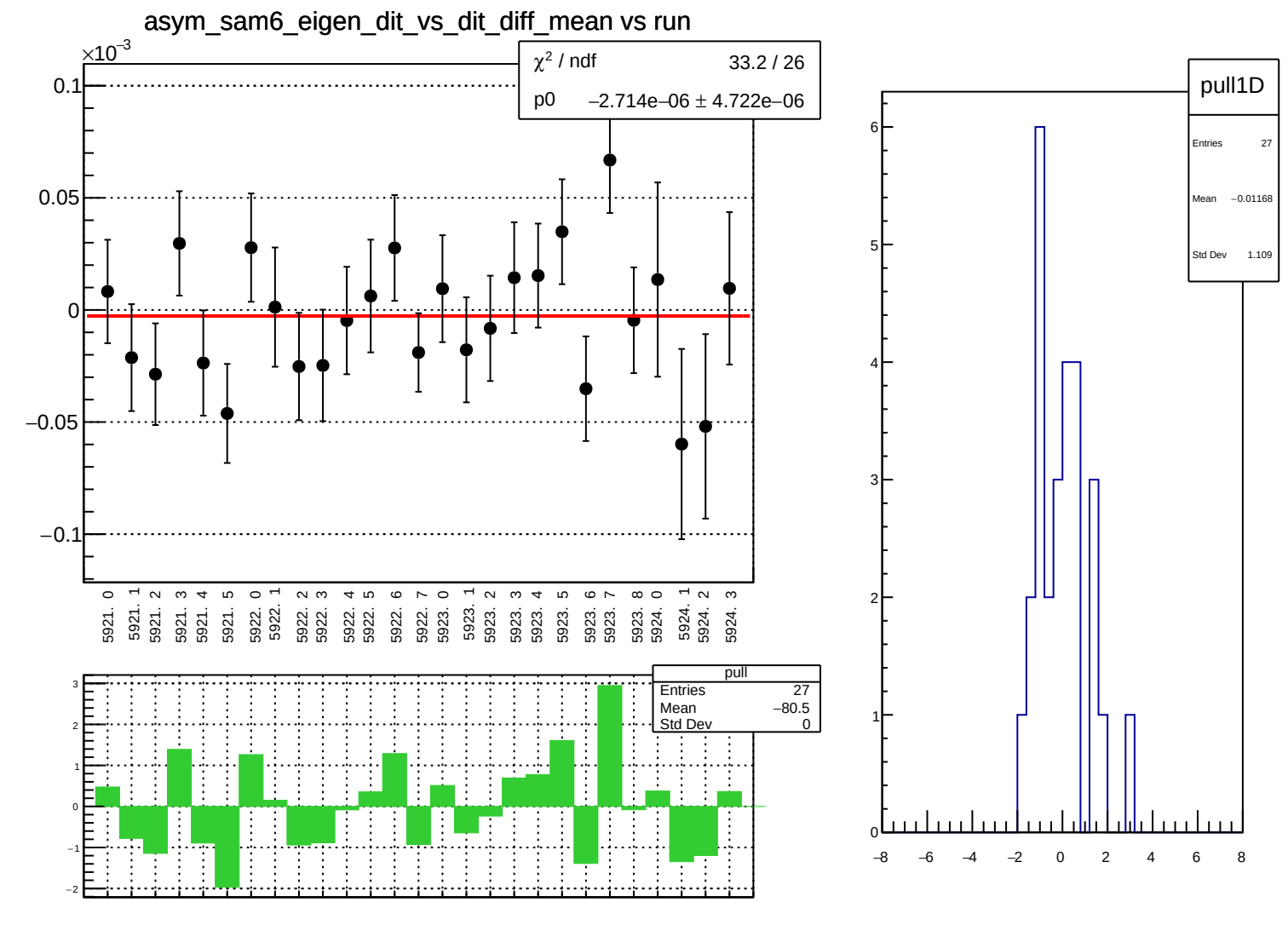

asym_sam6_reg_vs_cor_diff_rms vs run
χ² / ndf 3.101e+05 / 26
p0 8.452e−11 ± 1.858e−13
0.06
0.05
0.04
0.03
0.02
0.01
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

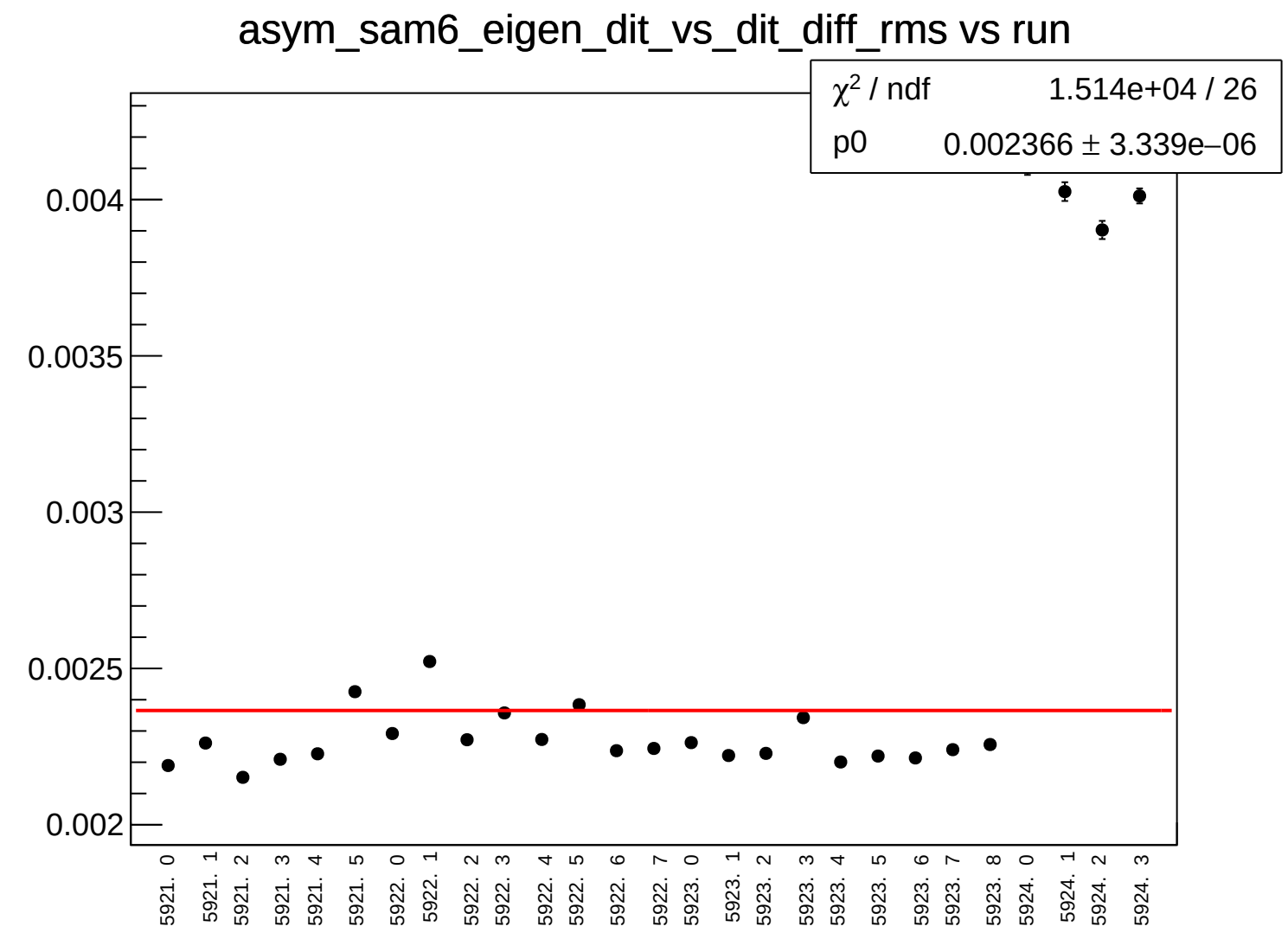

asym_sam6_dit_vs_cor_diff_mean vs run
χ² / ndf 33.7 / 26
p0 0.161 ± 0.1379
pull
Entries 27
Mean 132.9
Std Dev 0
pull1D
Entries 27
Mean −0.02267
Std Dev 1.117

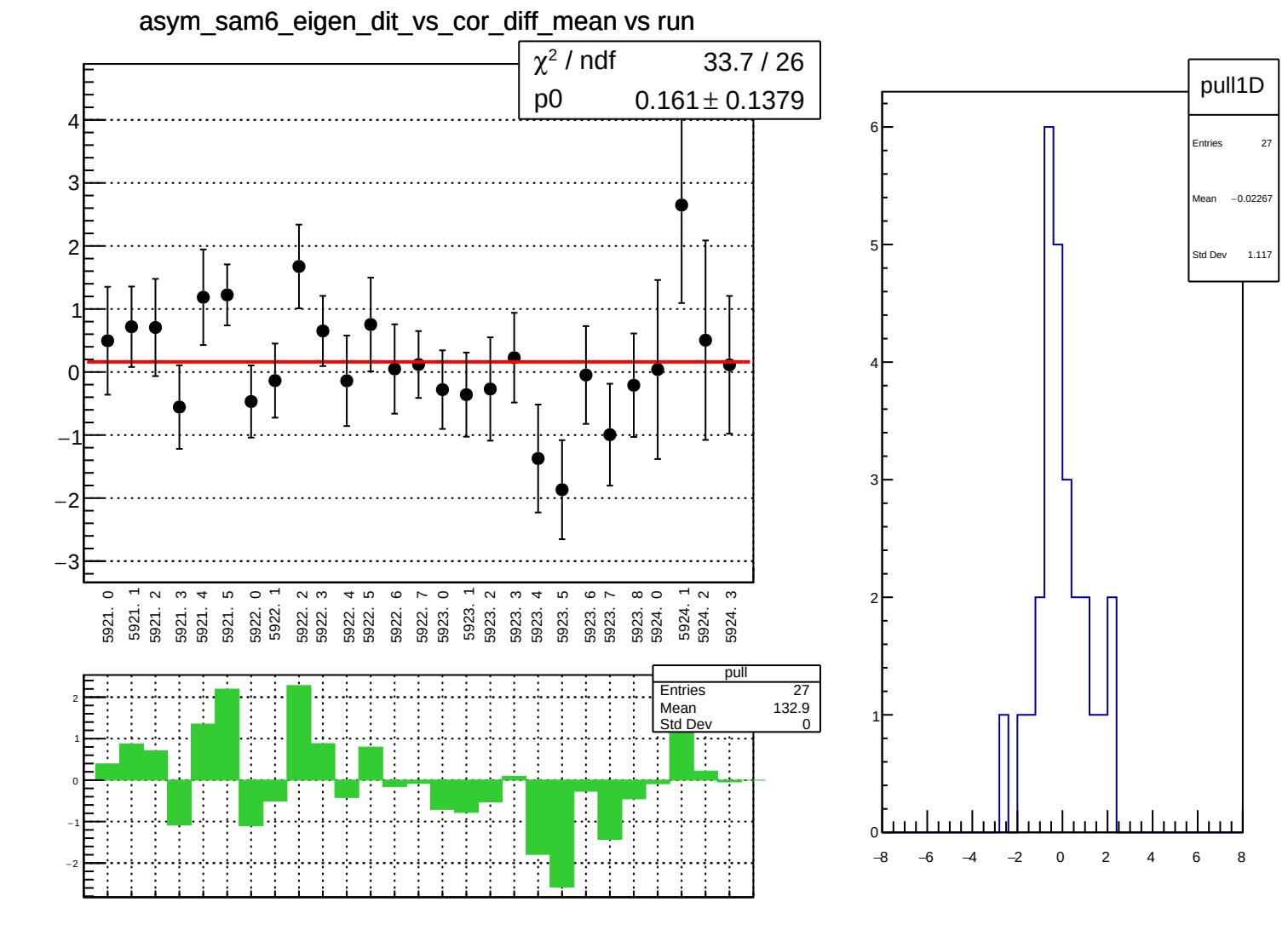

asym_sam6_dit_vs_cor_diff_rms vs run
χ² / ndf 2.985e+04 / 26
p0 68.05 ± 0.09749
160
140
120
100
80
60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

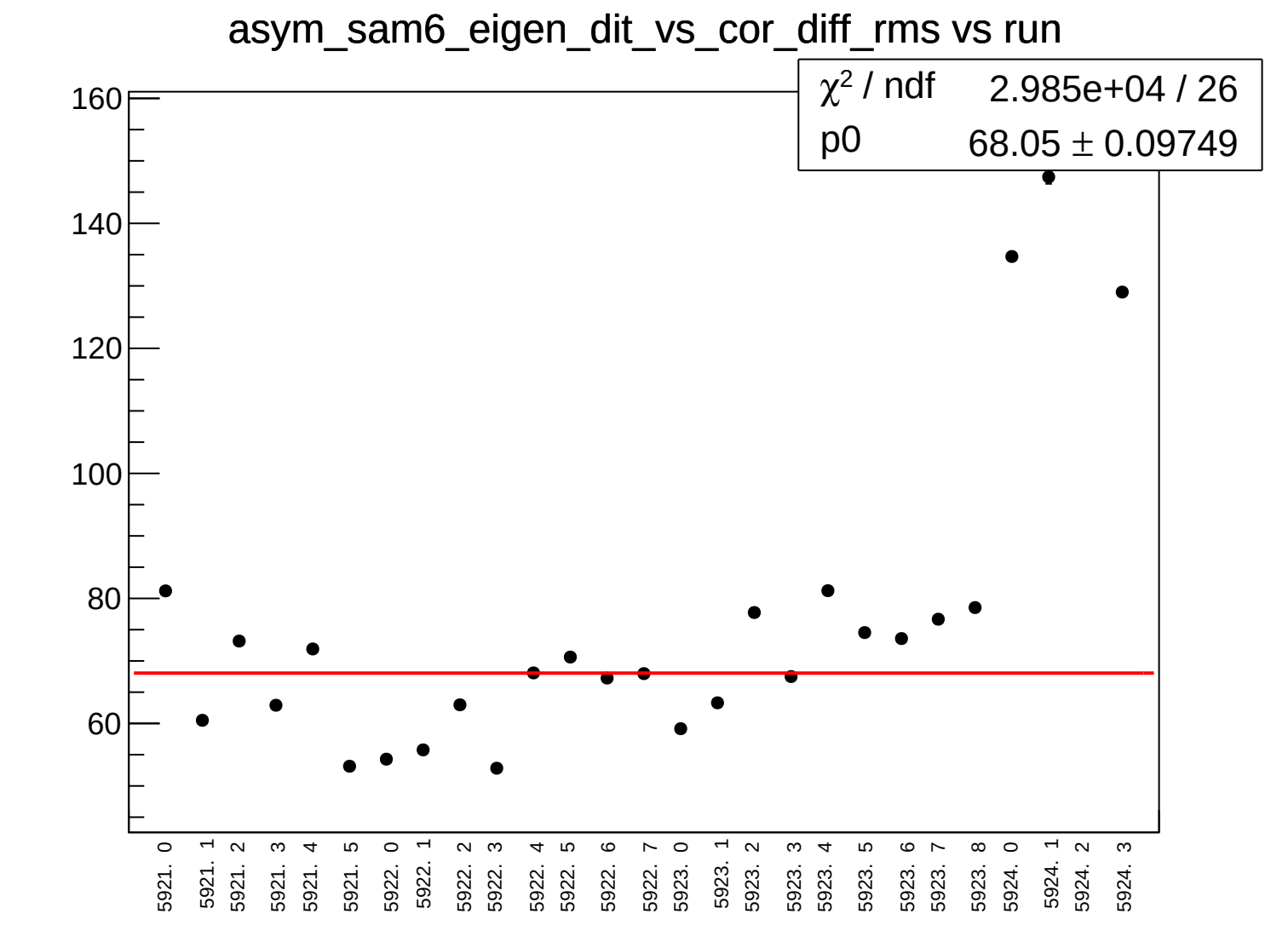

asym_sam6_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 33.7 / 26
p0 0.161 ± 0.1379
pull
Entries 27
Mean 132.9
Std Dev 0
pull1D
Entries 27
Mean −0.02267
Std Dev 1.117

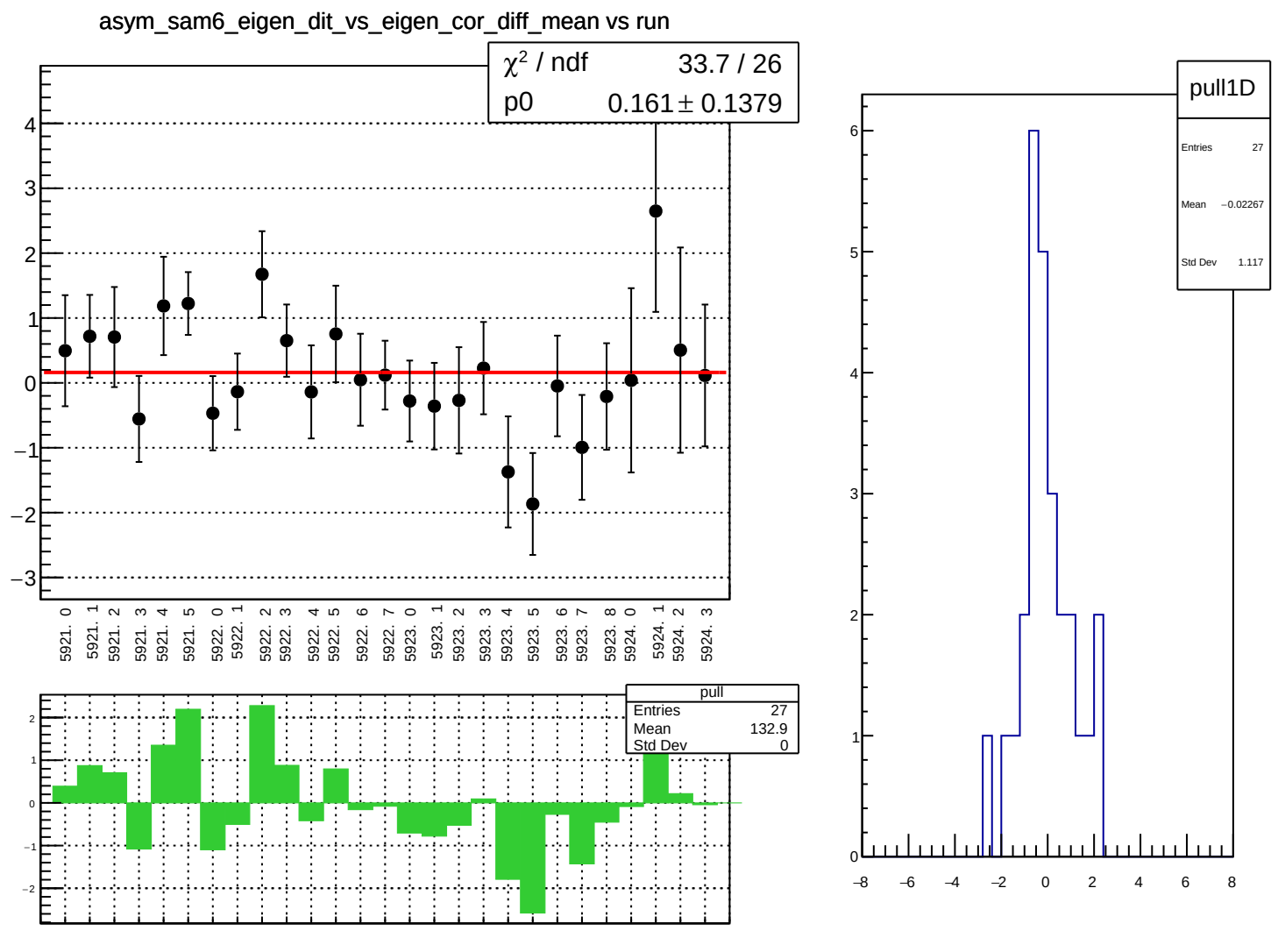

asym_sam6_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.985e+04 / 26
p0 68.05 ± 0.09749
160
140
120
100
80
60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

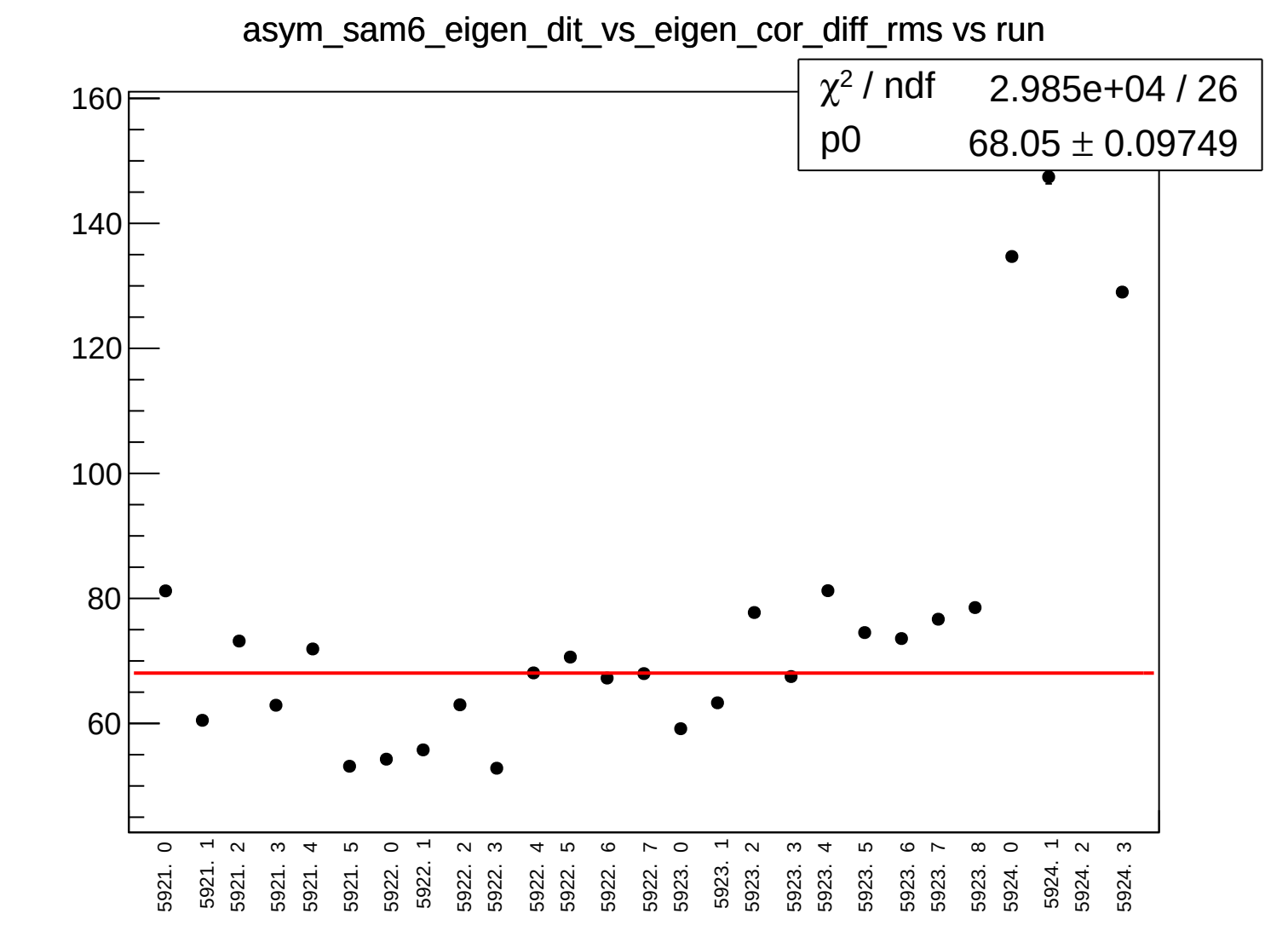

asym_sam6_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 33.2 / 26
p0 −2.714e−06 ± 4.722e−06
0.1
0.05
0
−0.05
−0.1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −80.5
Std Dev 0
pull1D
Entries 27
Mean −0.01168
Std Dev 1.109

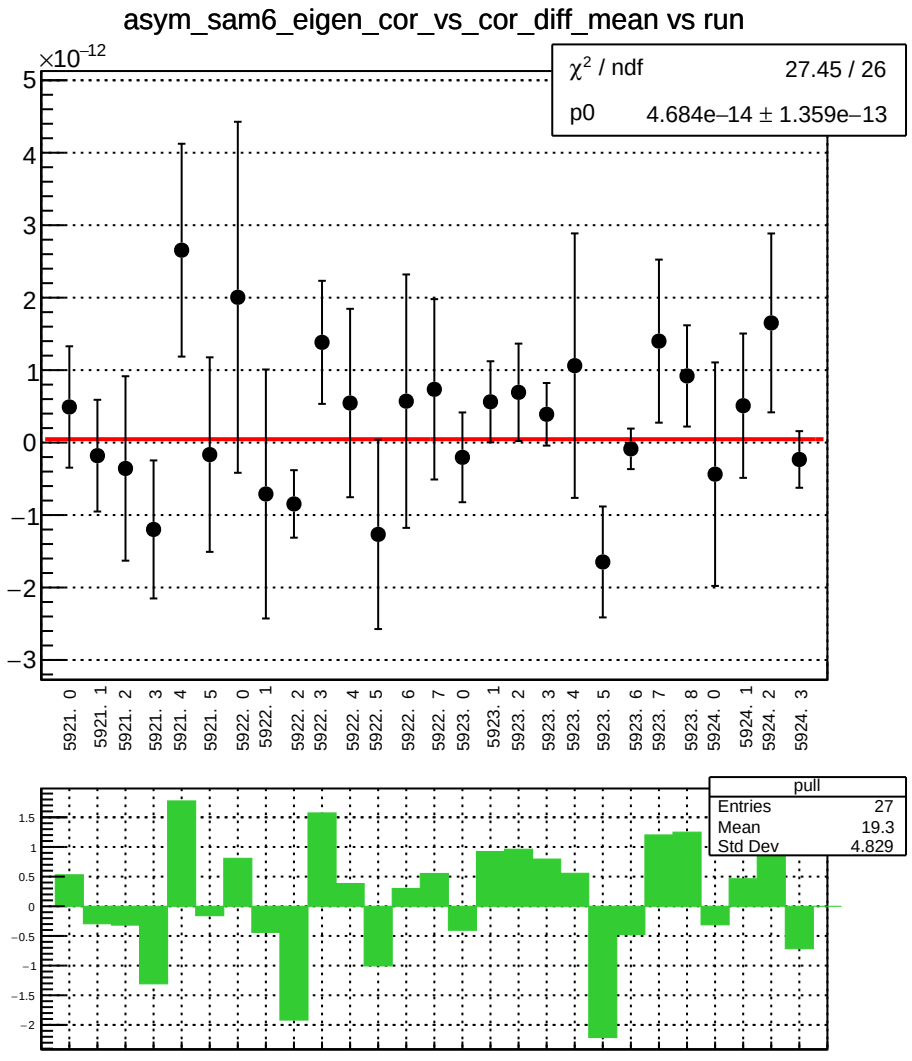

asym_sam6_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.514e+04 / 26
p0 0.002366 ± 3.339e−06
0.004
0.0035
0.003
0.0025
0.002
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

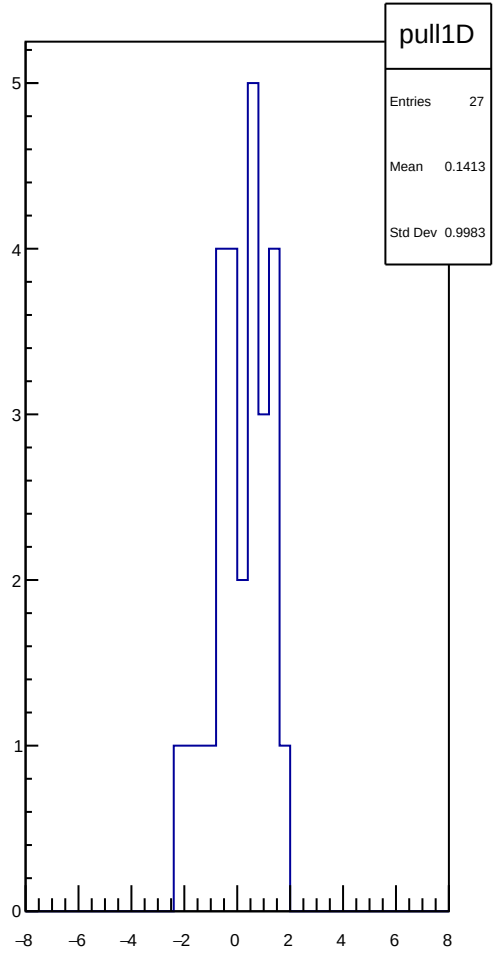

asym_sam6_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 33.7 / 26
p0 0.161 ± 0.1379
pull
Entries 27
Mean 132.9
Std Dev 0
pull1D
Entries 27
Mean −0.02267
Std Dev 1.117

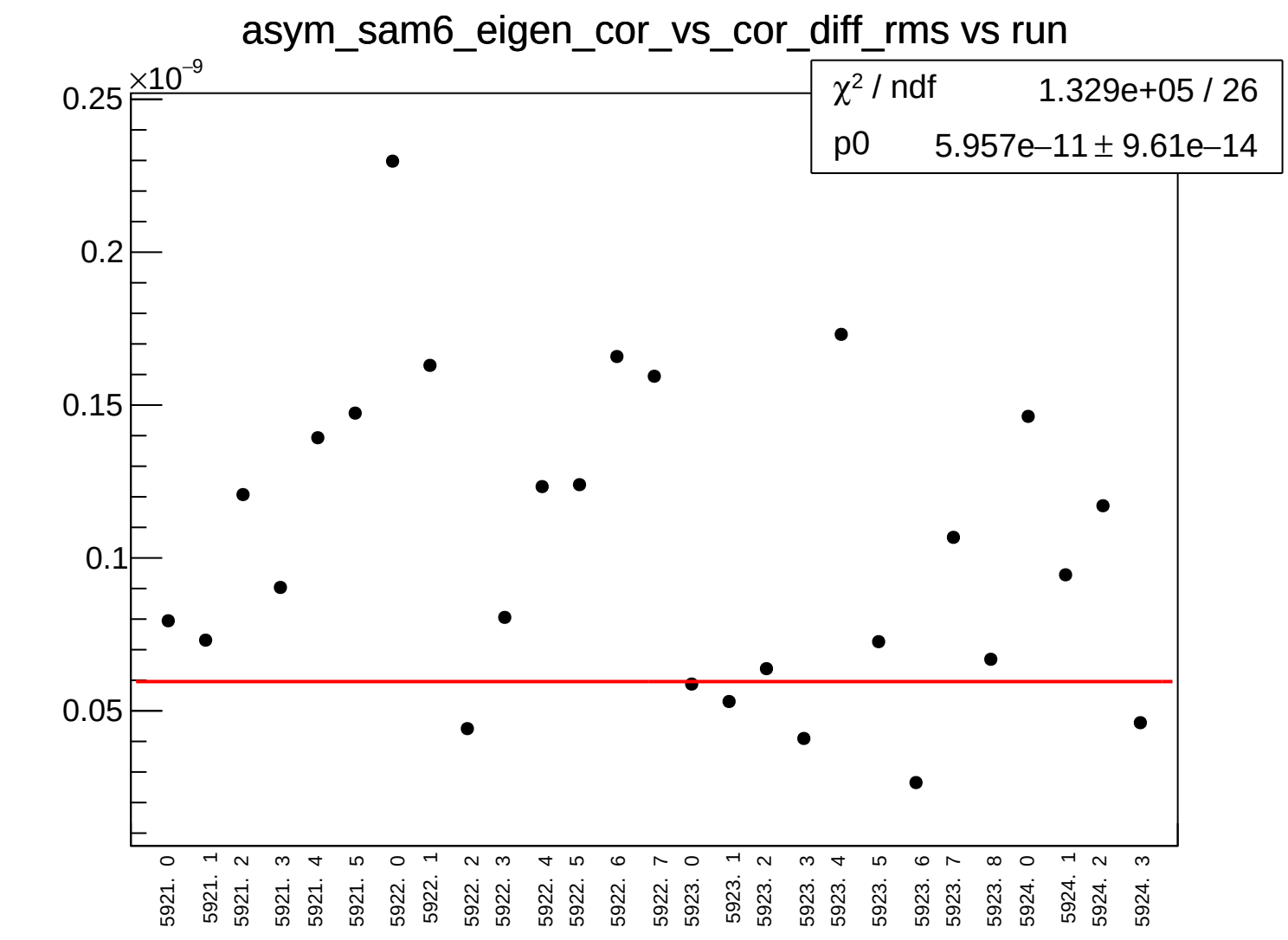

asym_sam6_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.985e+04 / 26
p0 68.05 ± 0.09749
160
140
120
100
80
60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

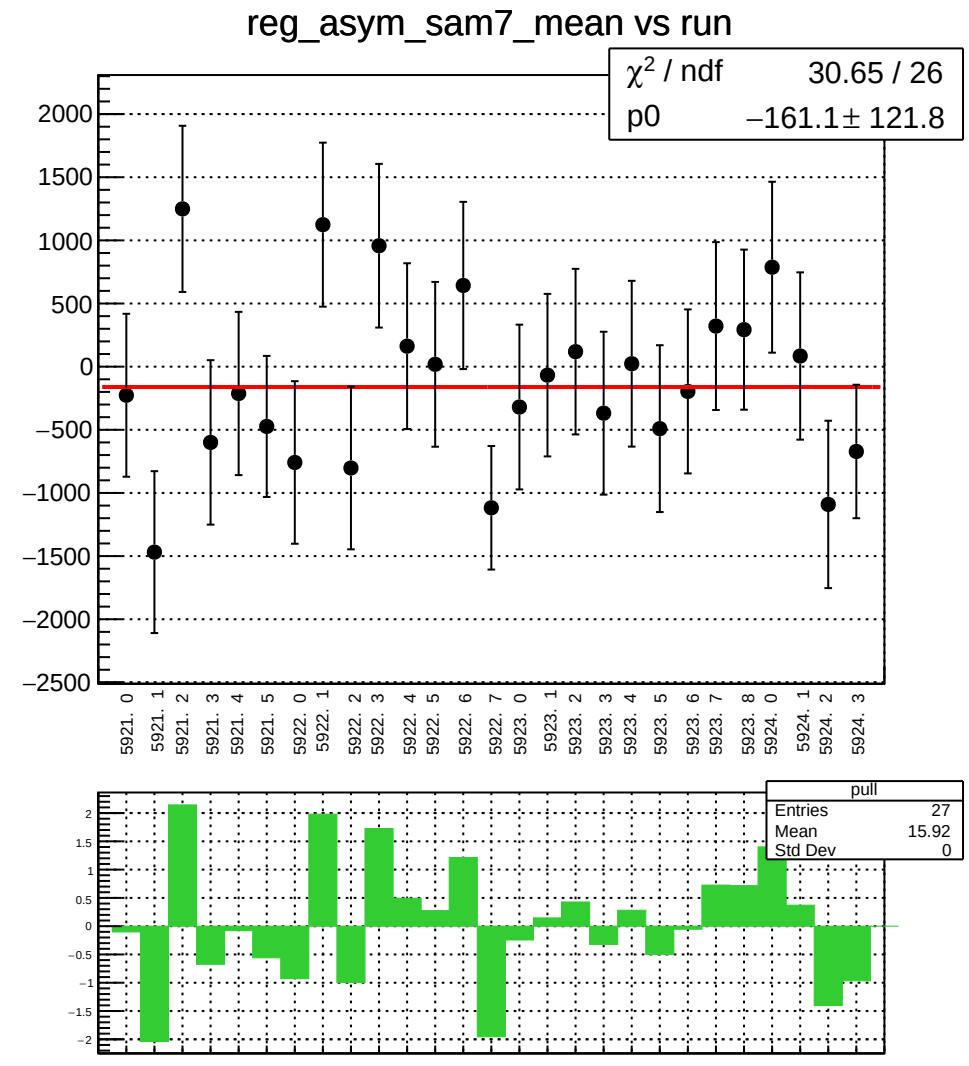

asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 33.7 / 26
p0 0.161 ± 0.1379
4
3
2
1
0
−1
−2
−3
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 132.9
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean −0.02267
Std Dev 1.117
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

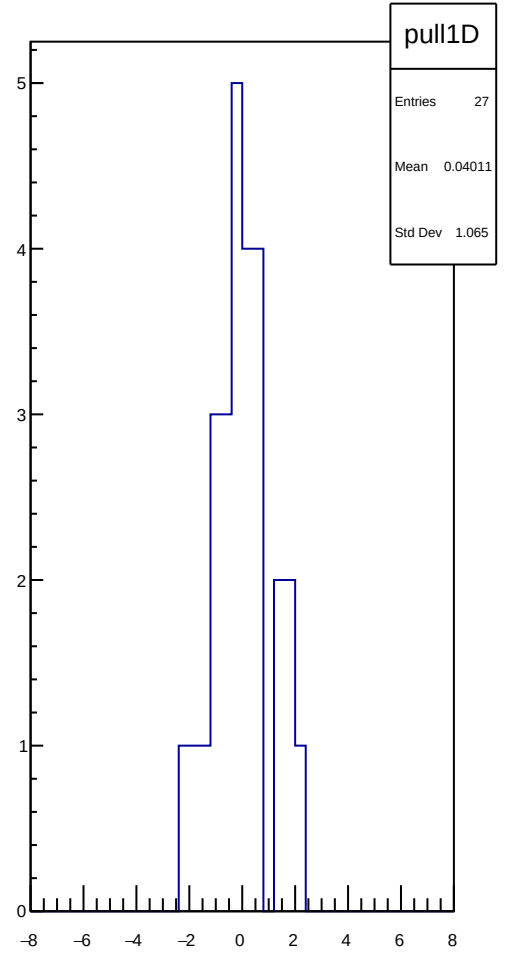

asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.985e+04 / 26
p0 68.05 ± 0.09749
160
140
120
100
80
60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

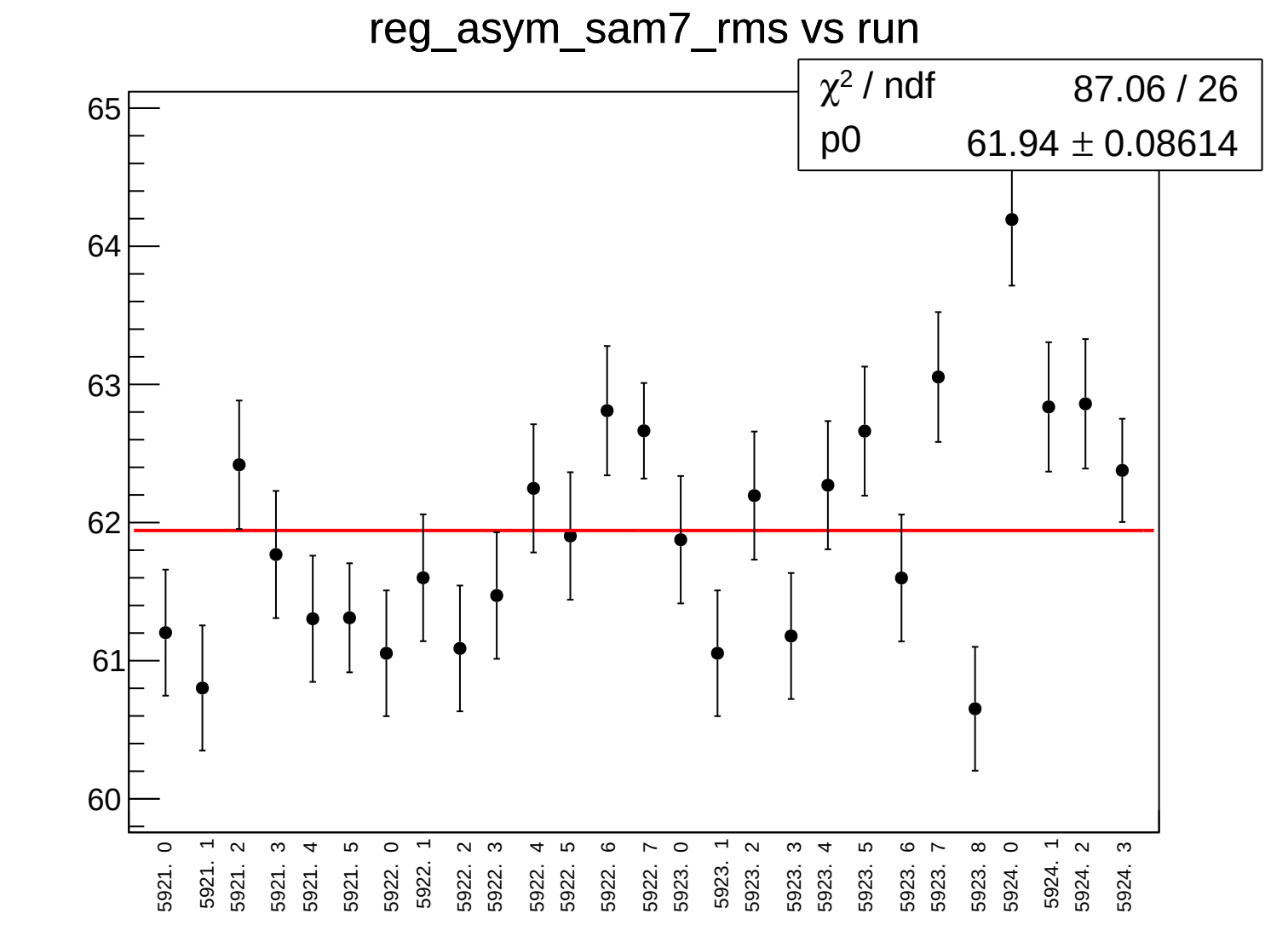

asym_sam6_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 27.45 / 26
p0 4.684e−14 ± 1.359e−13
5
4
3
2
1
0
−1
−2
−3
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 19.3
Std Dev 4.829
1.5
1
0.5
0
−0.5
−1
−1.5
−2

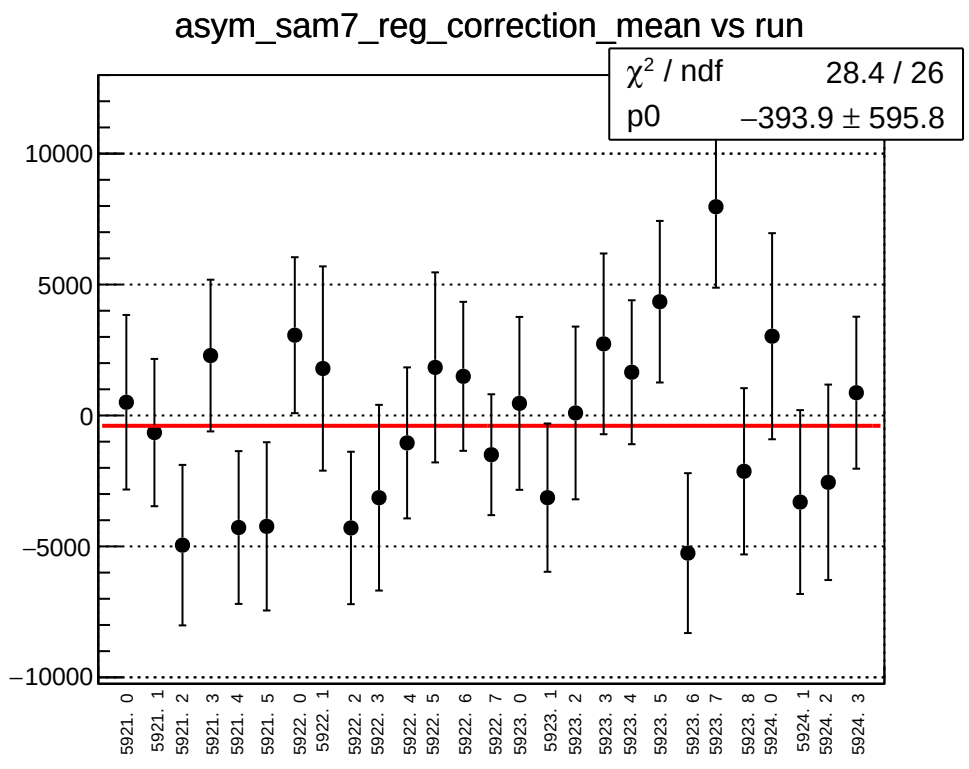

pull1D
Entries 27
Mean 0.1413
Std Dev 0.9983
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

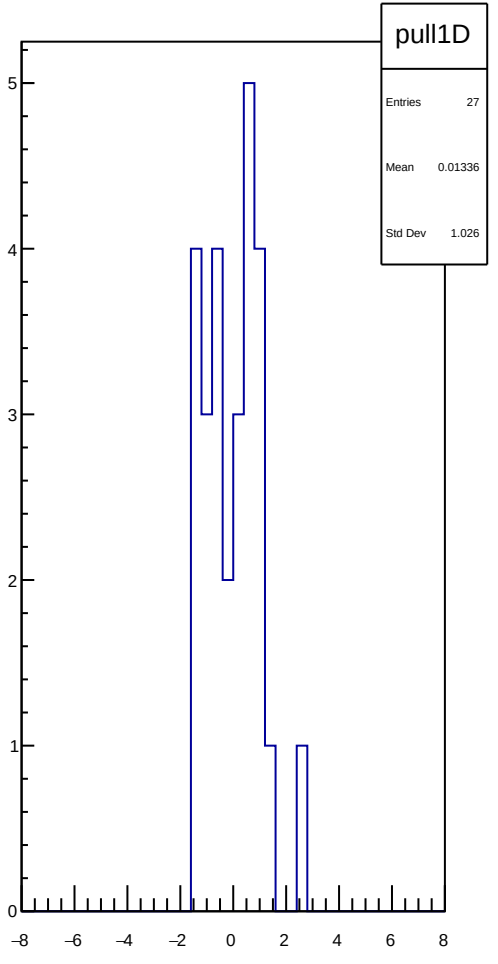

asym_sam6_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
0.25
0.2
0.15
0.1
0.05
χ² / ndf 1.329e+05 / 26
p0 5.957e−11 ± 9.61e−14
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

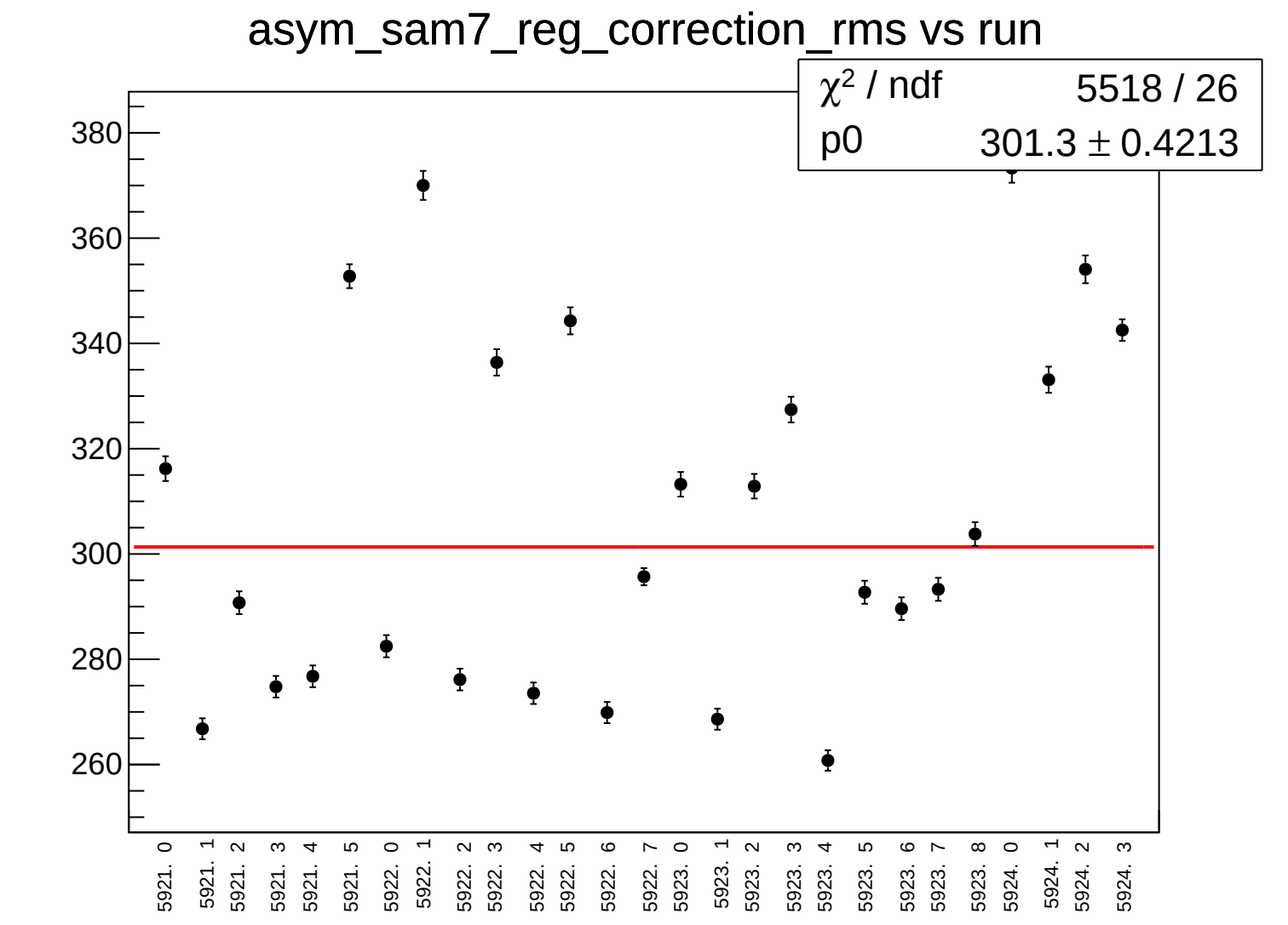

reg_asym_sam7_mean vs run
χ² / ndf 30.65 / 26
p0 −161.1± 121.8
2000
1500
1000
500
0
−500
−1000
−1500
−2000
−2500
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 15.92
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

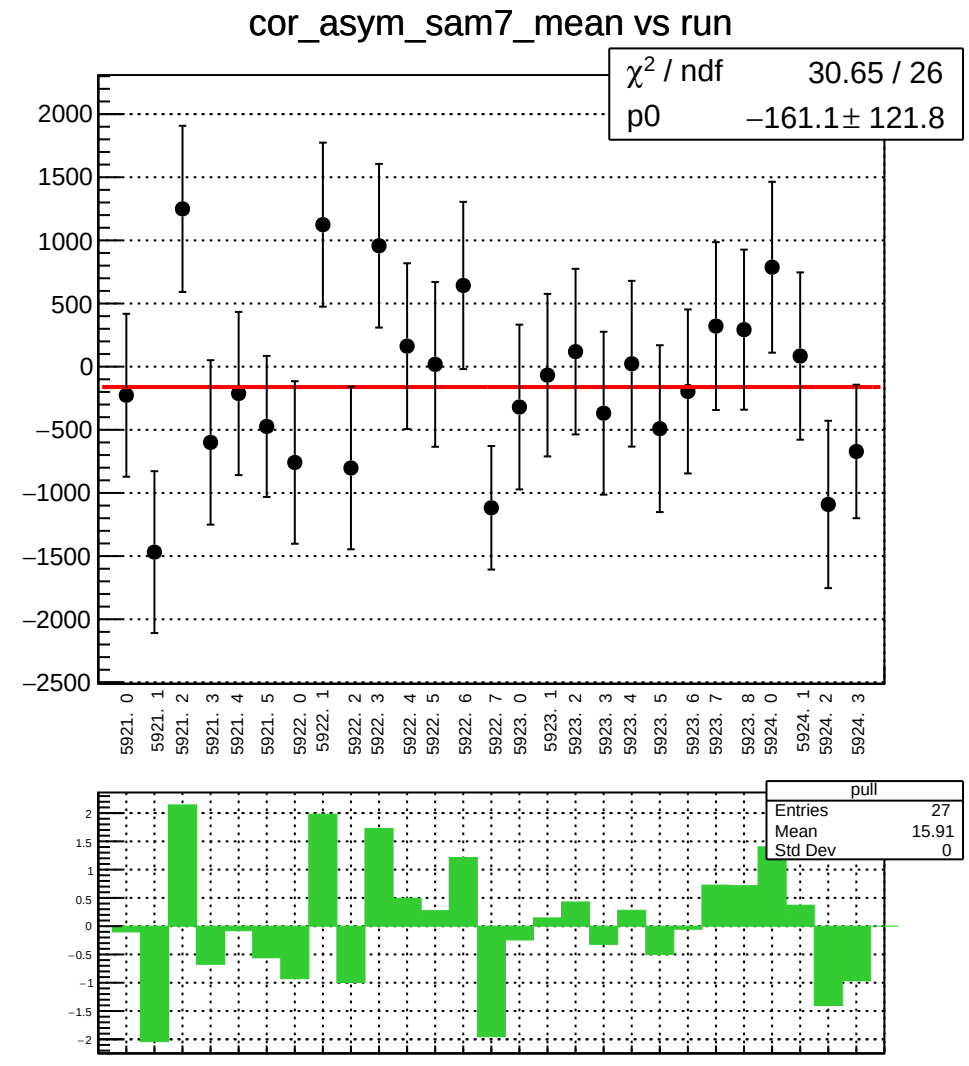

pull1D
Entries 27
Mean 0.04011
Std Dev 1.065
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

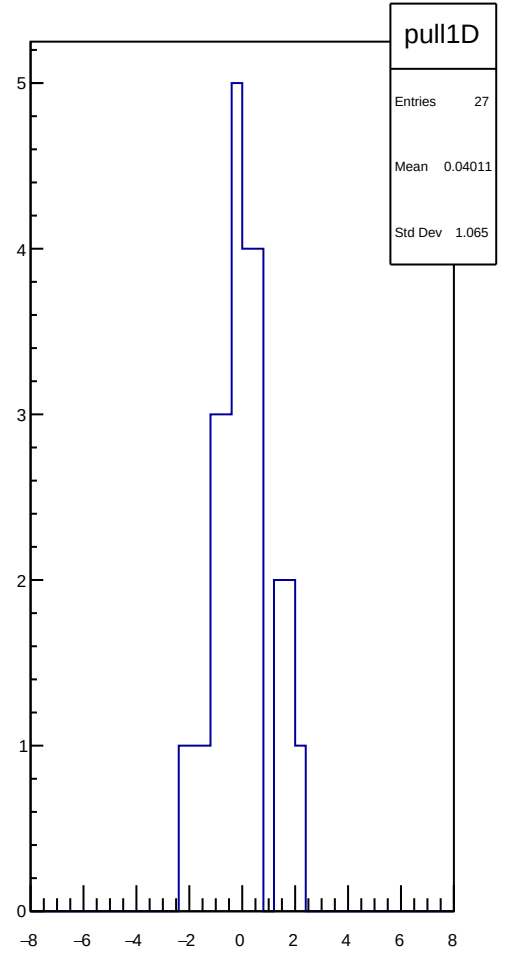

reg_asym_sam7_rms vs run
χ² / ndf 87.06 / 26
p0 61.94 ± 0.08614
65
64
63
62
61
60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

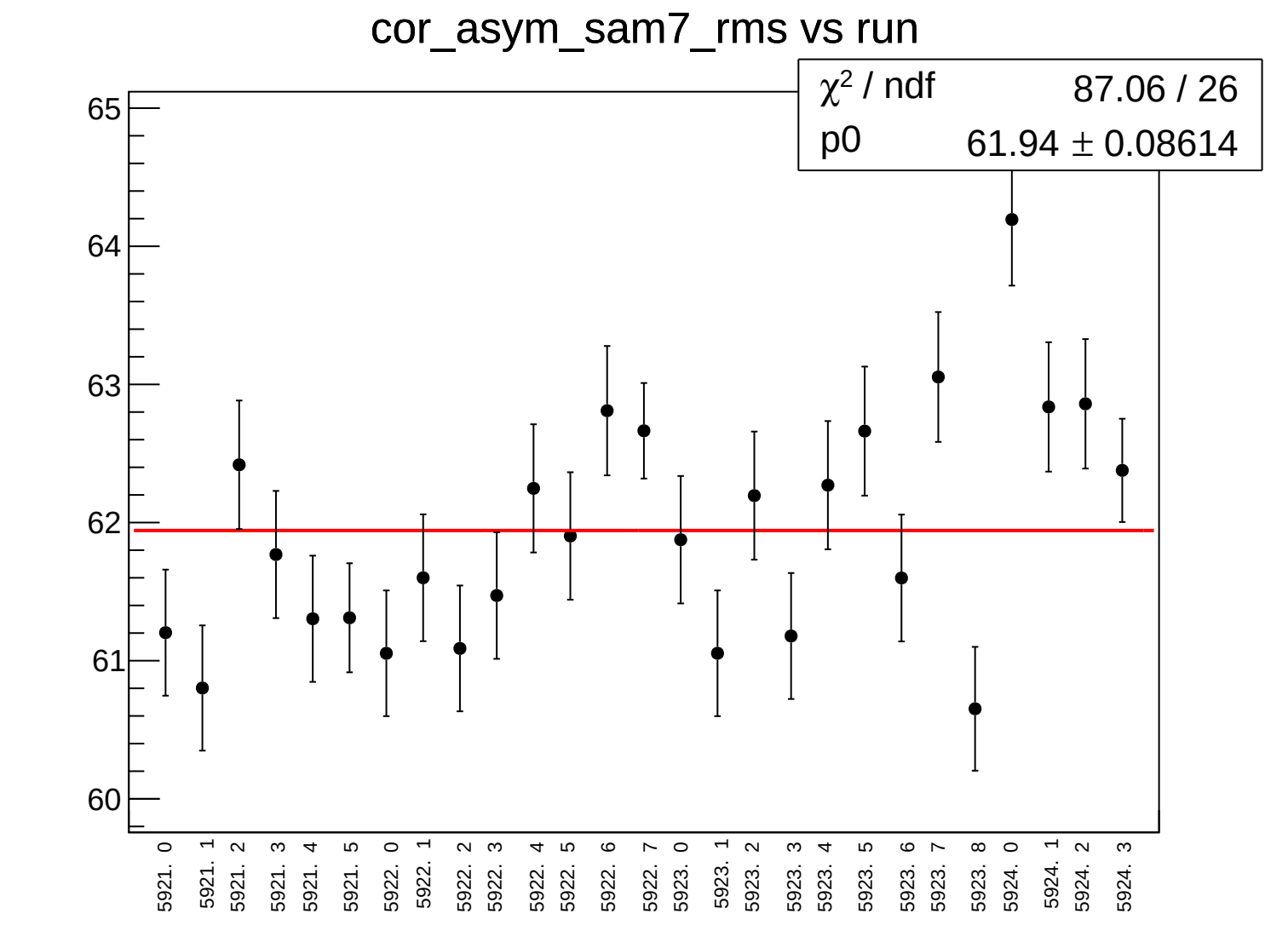

asym_sam7_reg_correction_mean vs run
χ² / ndf 28.4 / 26
p0 −393.9 ± 595.8
10000
5000
0
−5000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 131.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

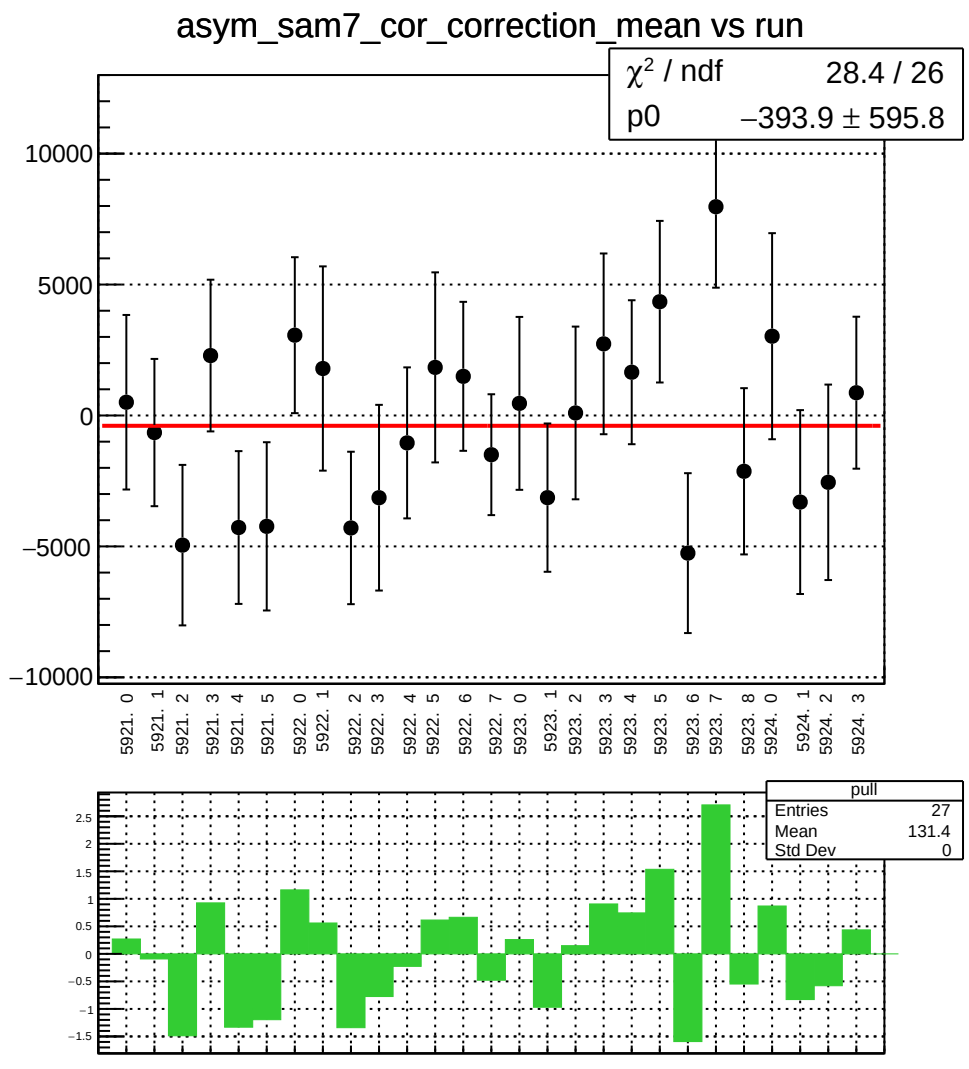

pull1D
Entries 27
Mean 0.01336
Std Dev 1.026
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

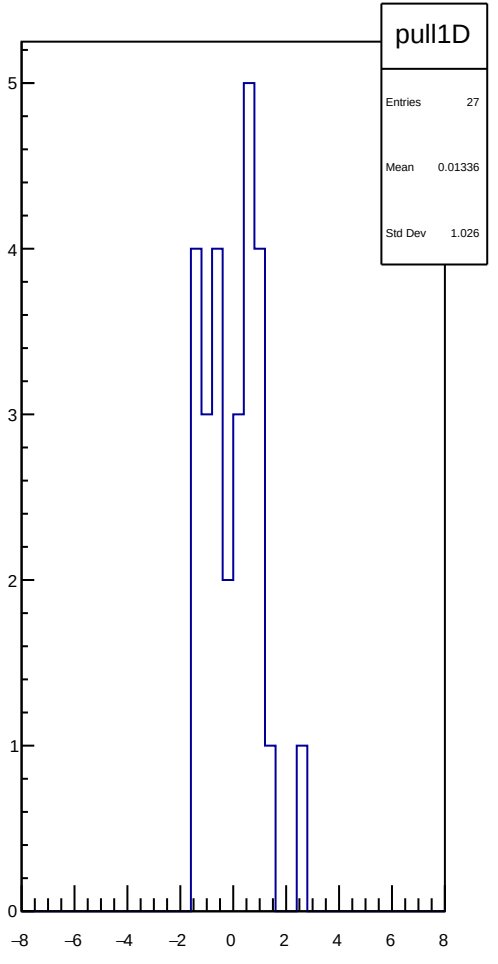

asym_sam7_reg_correction_rms vs run
χ² / ndf 5518 / 26
p0 301.3 ± 0.4213
380
360
340
320
300
280
260
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

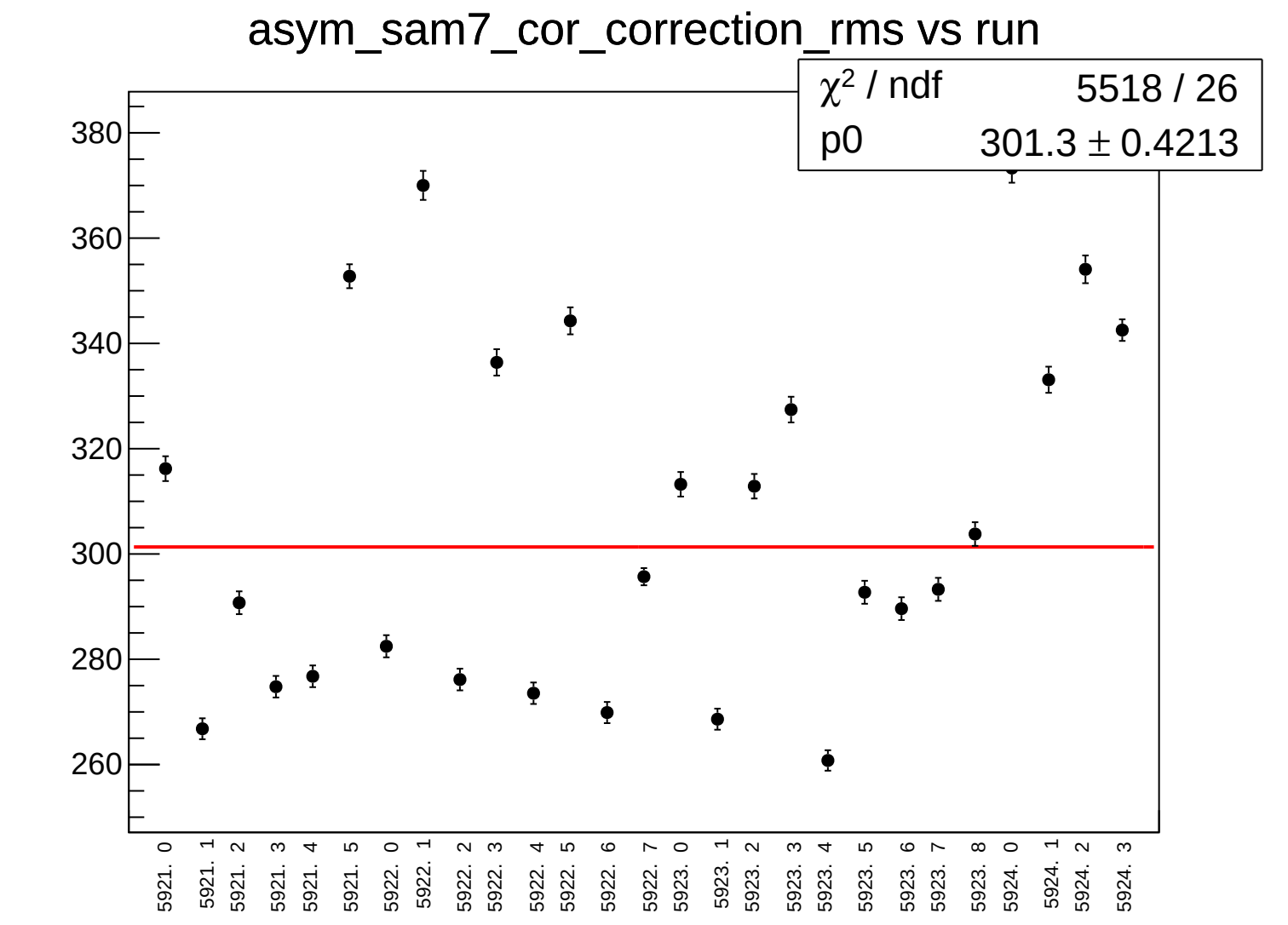

cor_asym_sam7_mean vs run
χ² / ndf 30.65 / 26
p0 −161.1± 121.8
2000
1500
1000
500
0
−500
−1000
−1500
−2000
−2500
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 15.91
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

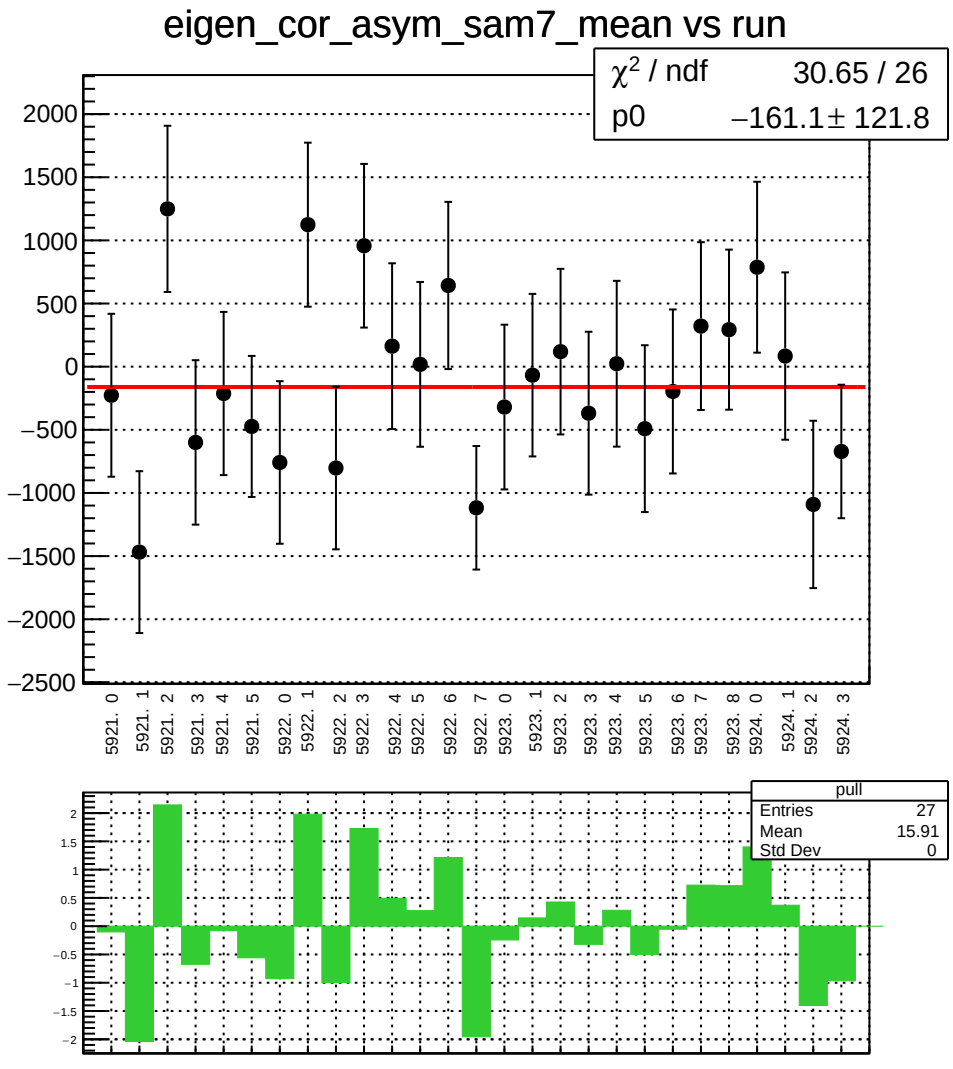

pull1D
Entries 27
Mean 0.04011
Std Dev 1.065
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

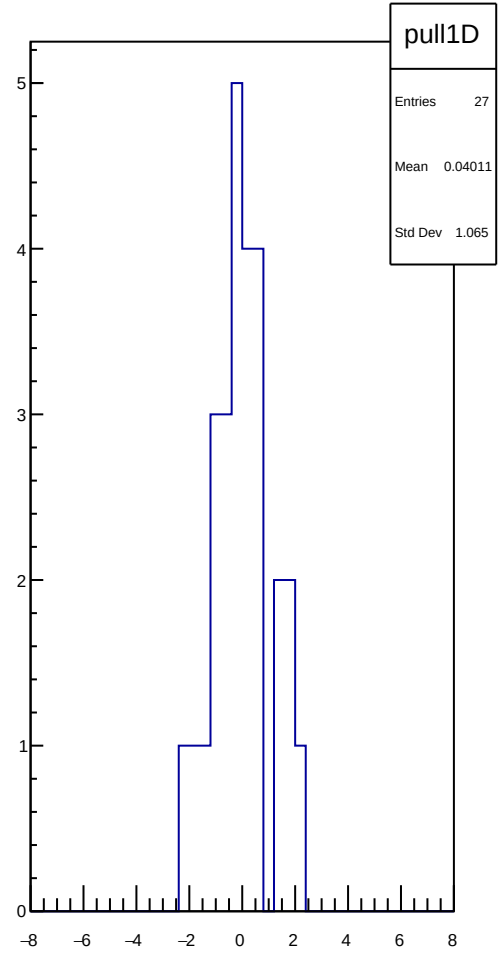

cor_asym_sam7_rms vs run
χ² / ndf 87.06 / 26
p0 61.94 ± 0.08614
65
64
63
62
61
60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

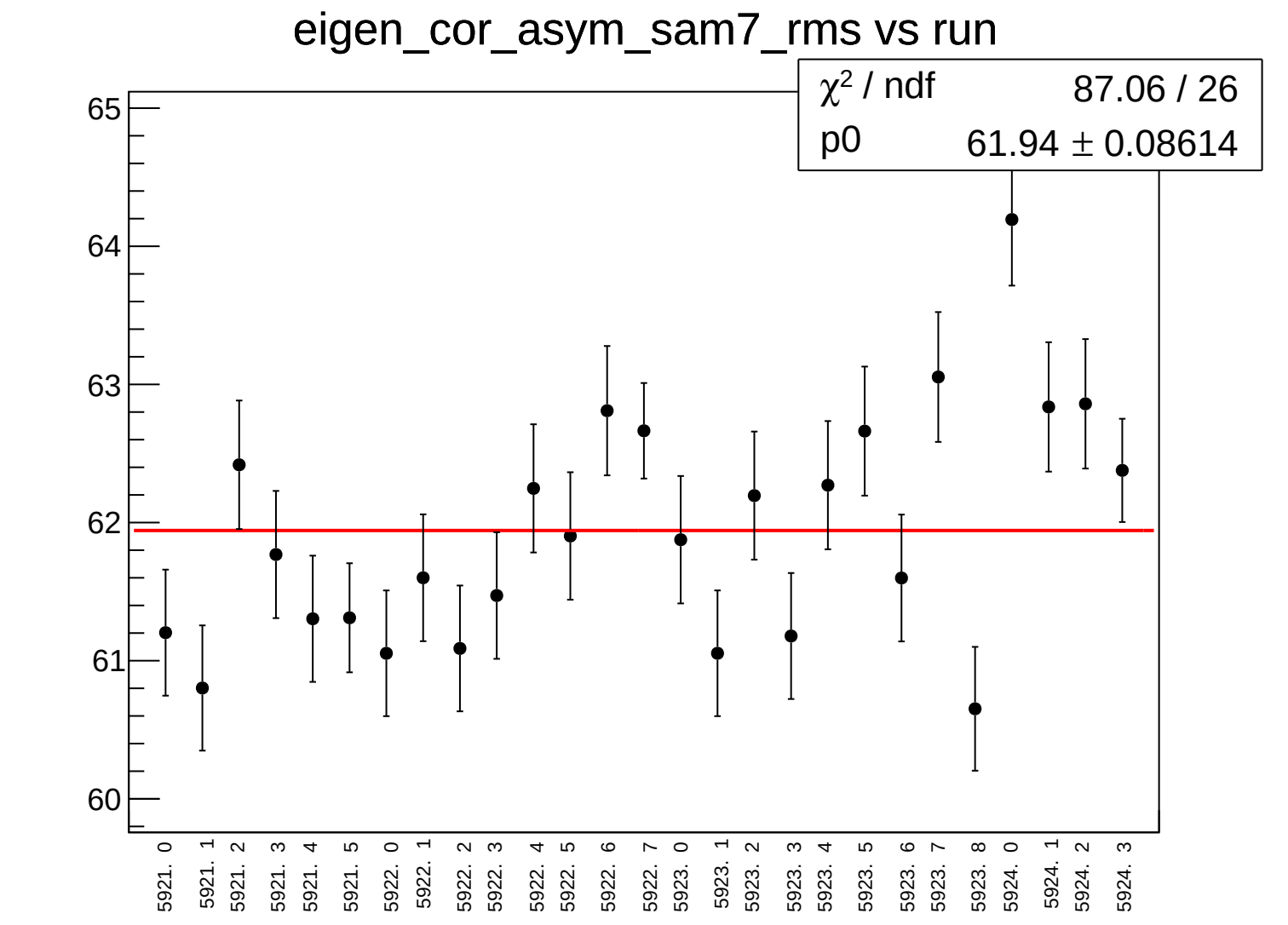

asym_sam7_cor_correction_mean vs run
χ² / ndf 28.4 / 26
p0 −393.9 ± 595.8
10000
5000
0
−5000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 131.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

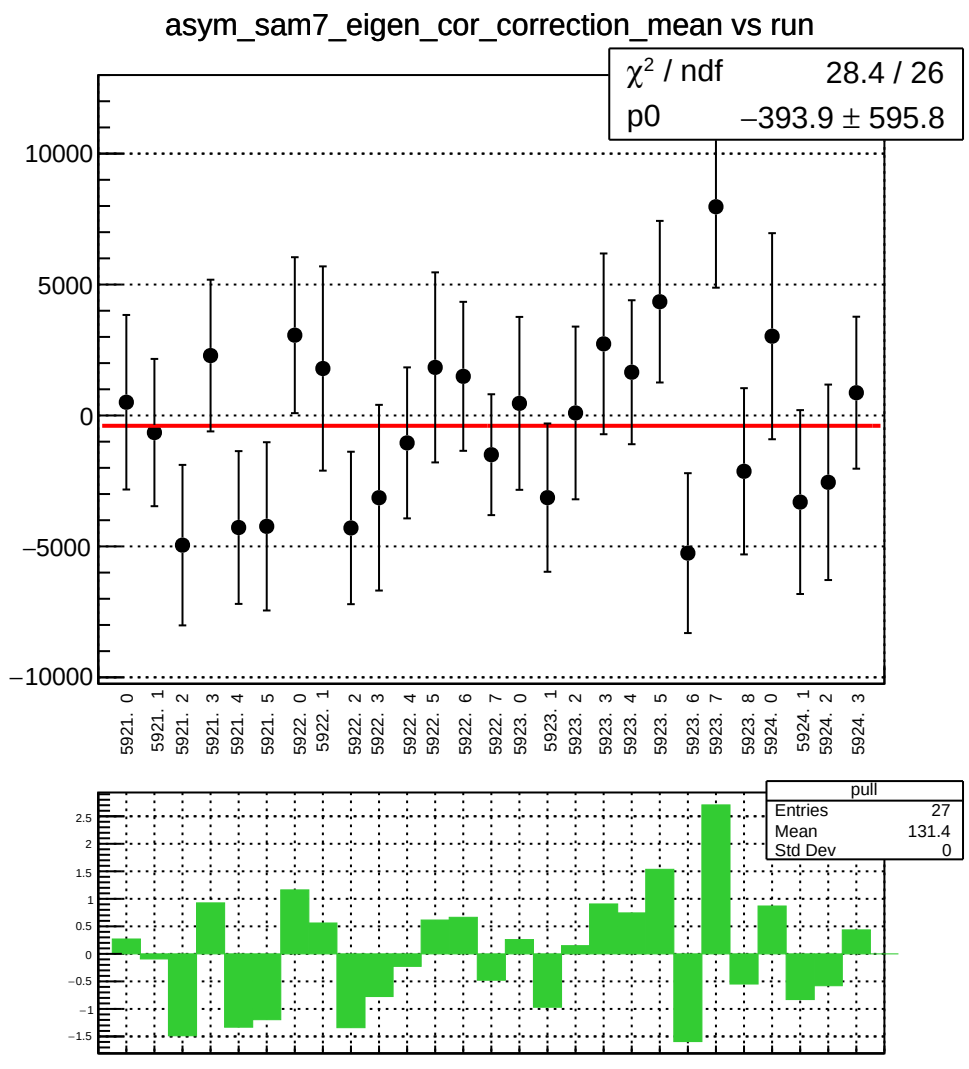

pull1D
Entries 27
Mean 0.01336
Std Dev 1.026
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

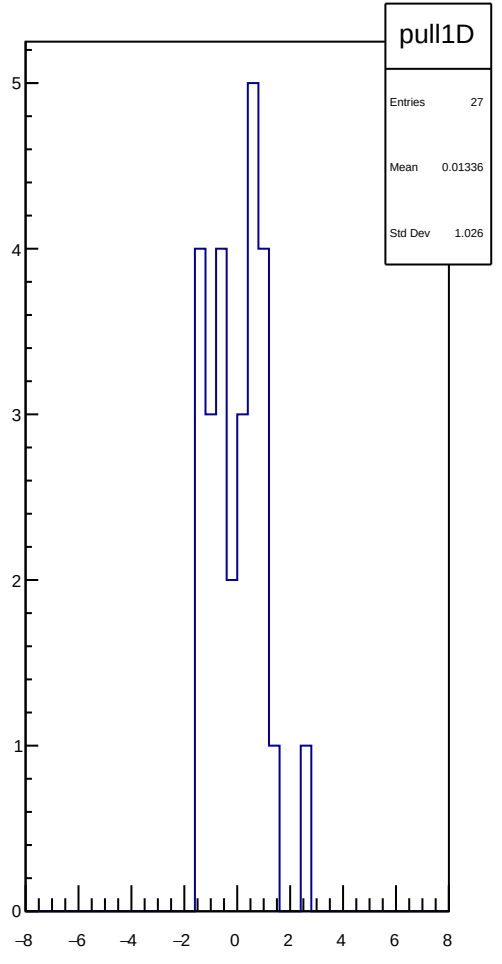

asym_sam7_cor_correction_rms vs run
χ² / ndf 5518 / 26
p0 301.3 ± 0.4213
380
360
340
320
300
280
260
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

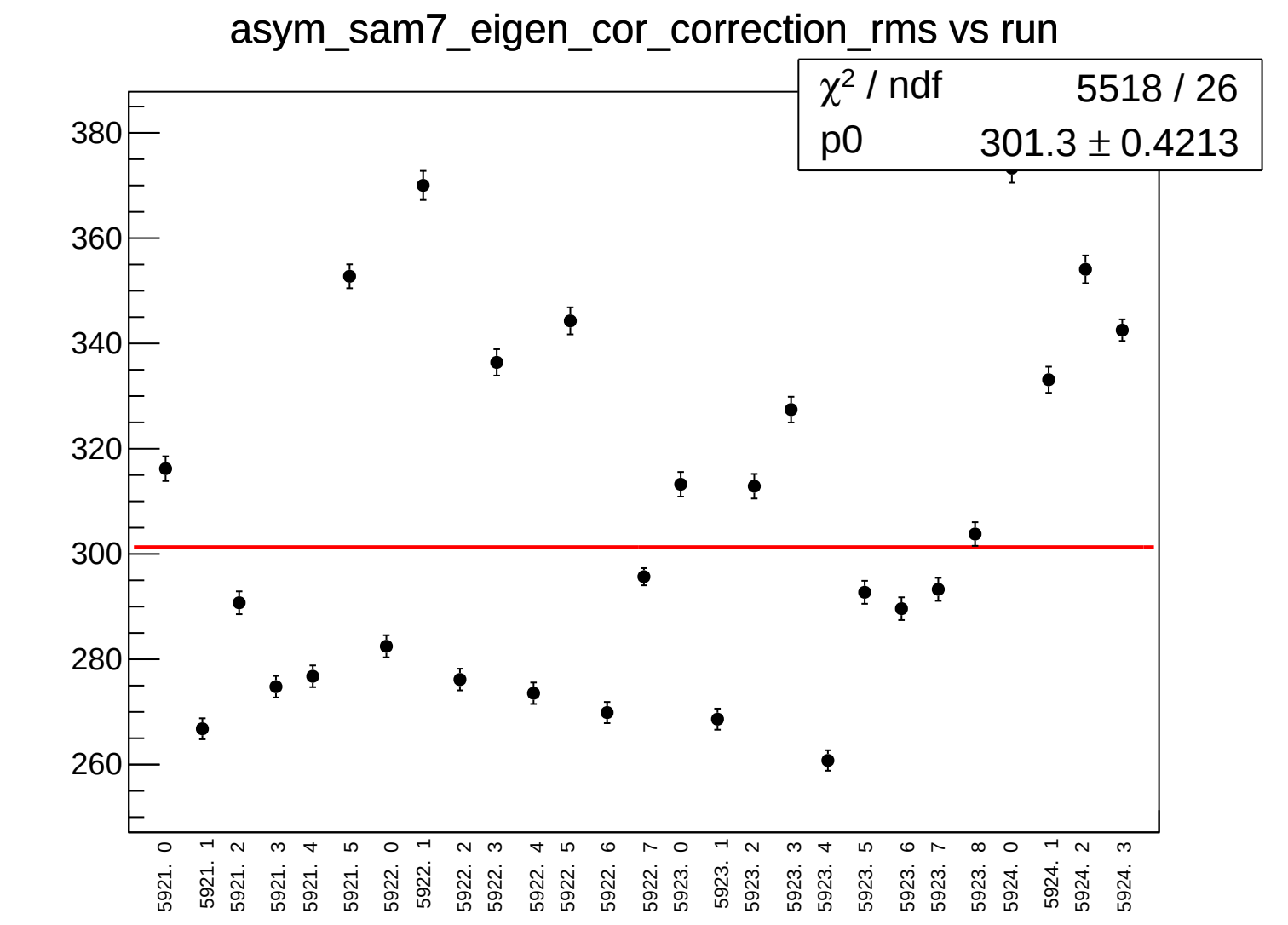

eigen_cor_asym_sam7_mean vs run
χ² / ndf 30.65 / 26
p0 −161.1± 121.8
2000
1500
1000
500
0
−500
−1000
−1500
−2000
−2500
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 15.91
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

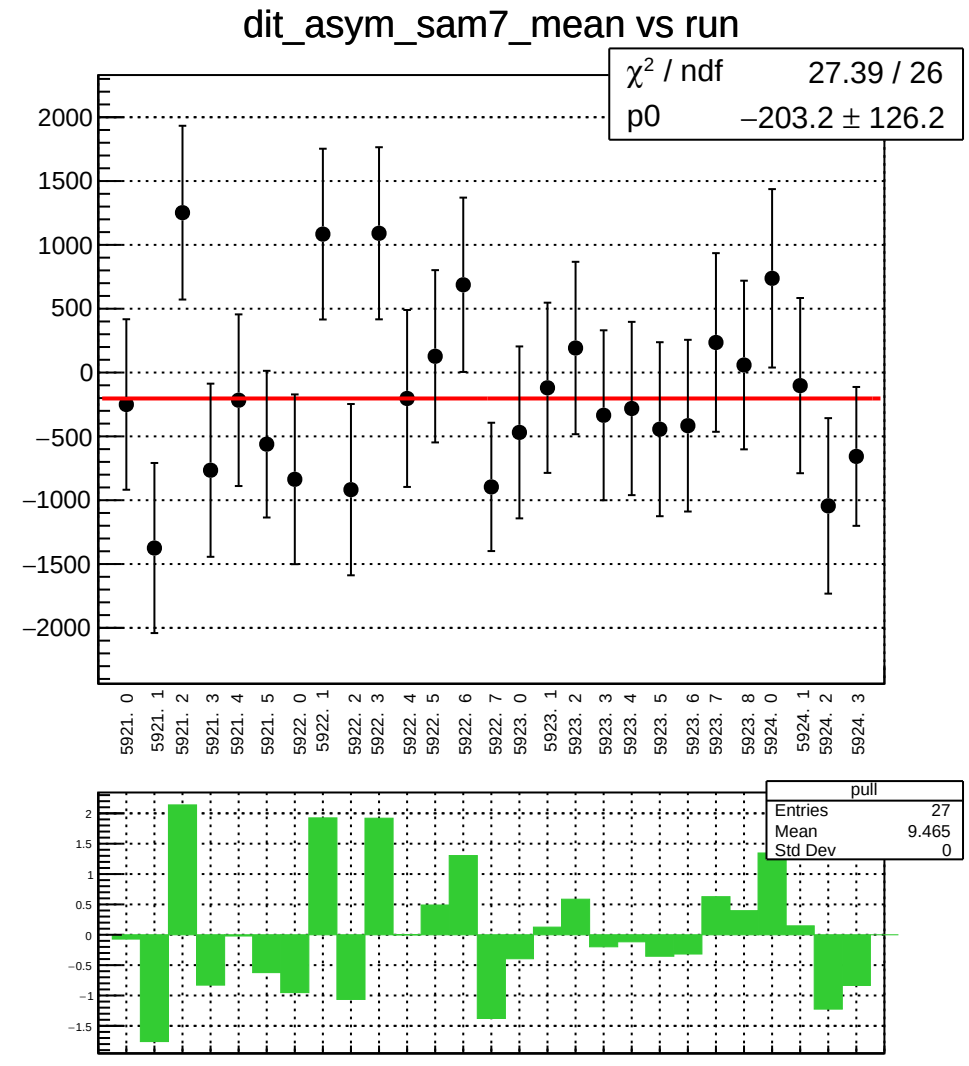

pull1D
Entries 27
Mean 0.04011
Std Dev 1.065
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

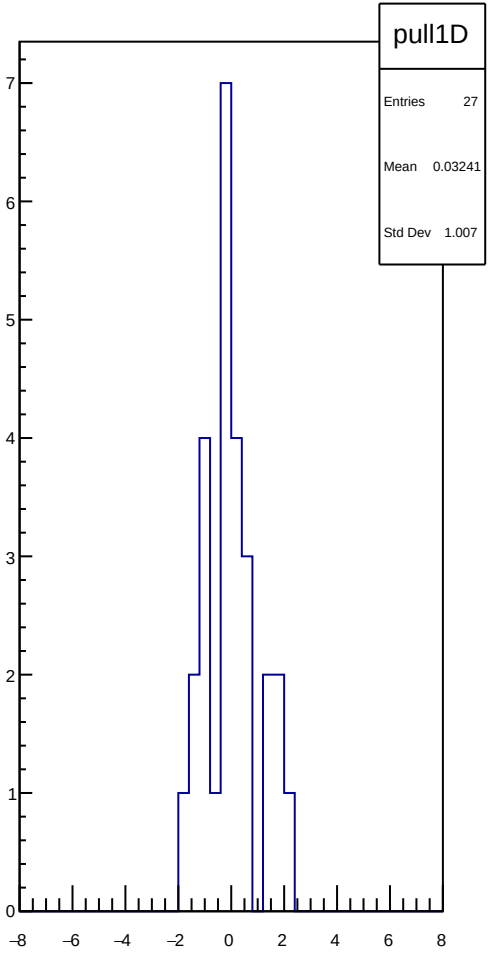

eigen_cor_asym_sam7_rms vs run
χ² / ndf 87.06 / 26
p0 61.94 ± 0.08614
65
64
63
62
61
60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

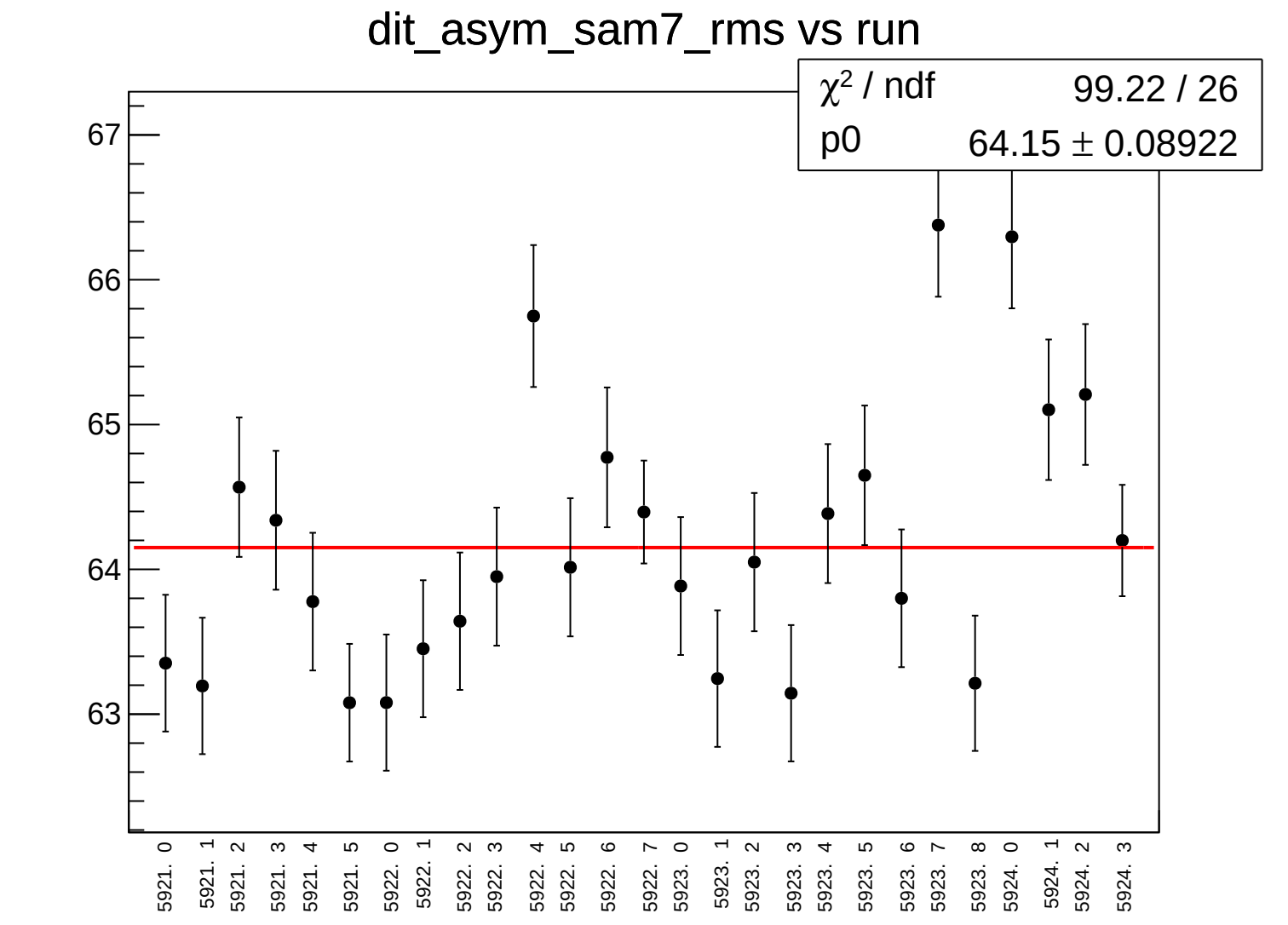

asym_sam7_eigen_cor_correction_mean vs run
χ² / ndf 28.4 / 26
p0 −393.9 ± 595.8
10000
5000
0
−5000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 131.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

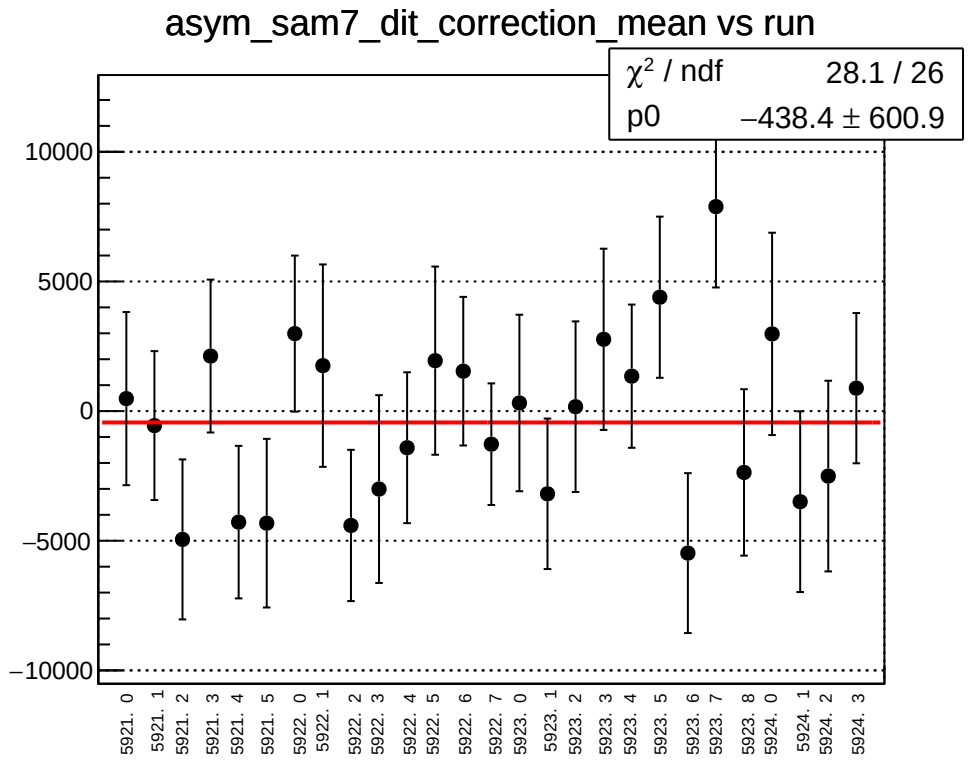

pull1D
Entries 27
Mean 0.01336
Std Dev 1.026
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

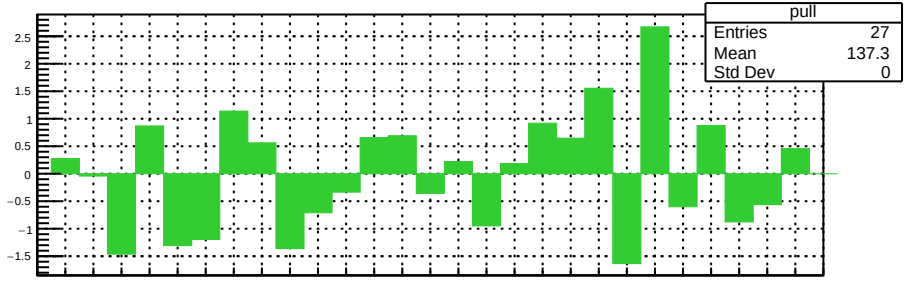

asym_sam7_eigen_cor_correction_rms vs run
χ² / ndf 5518 / 26
p0 301.3 ± 0.4213
380
360
340
320
300
280
260
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

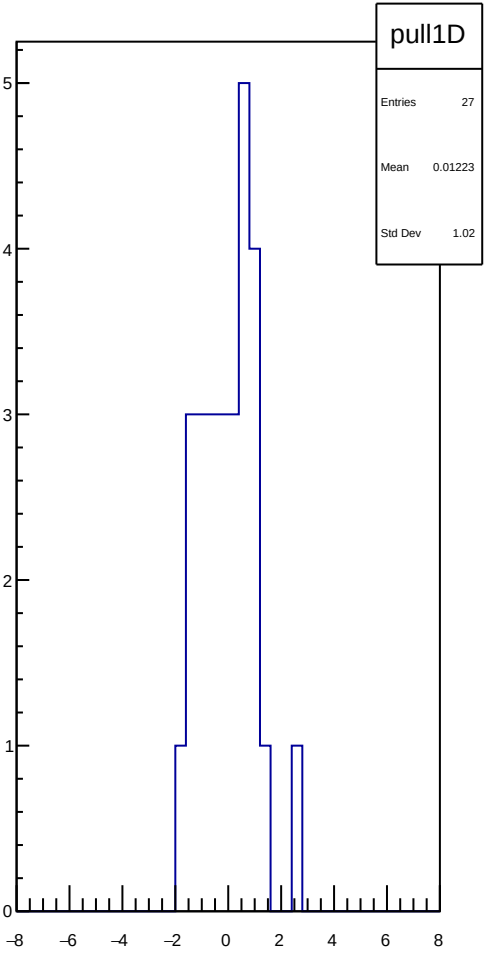

dit_asym_sam7_mean vs run
χ² / ndf 27.39 / 26
p0 −203.2 ± 126.2
2000
1500
1000
500
0
−500
−1000
−1500
−2000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 9.465
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

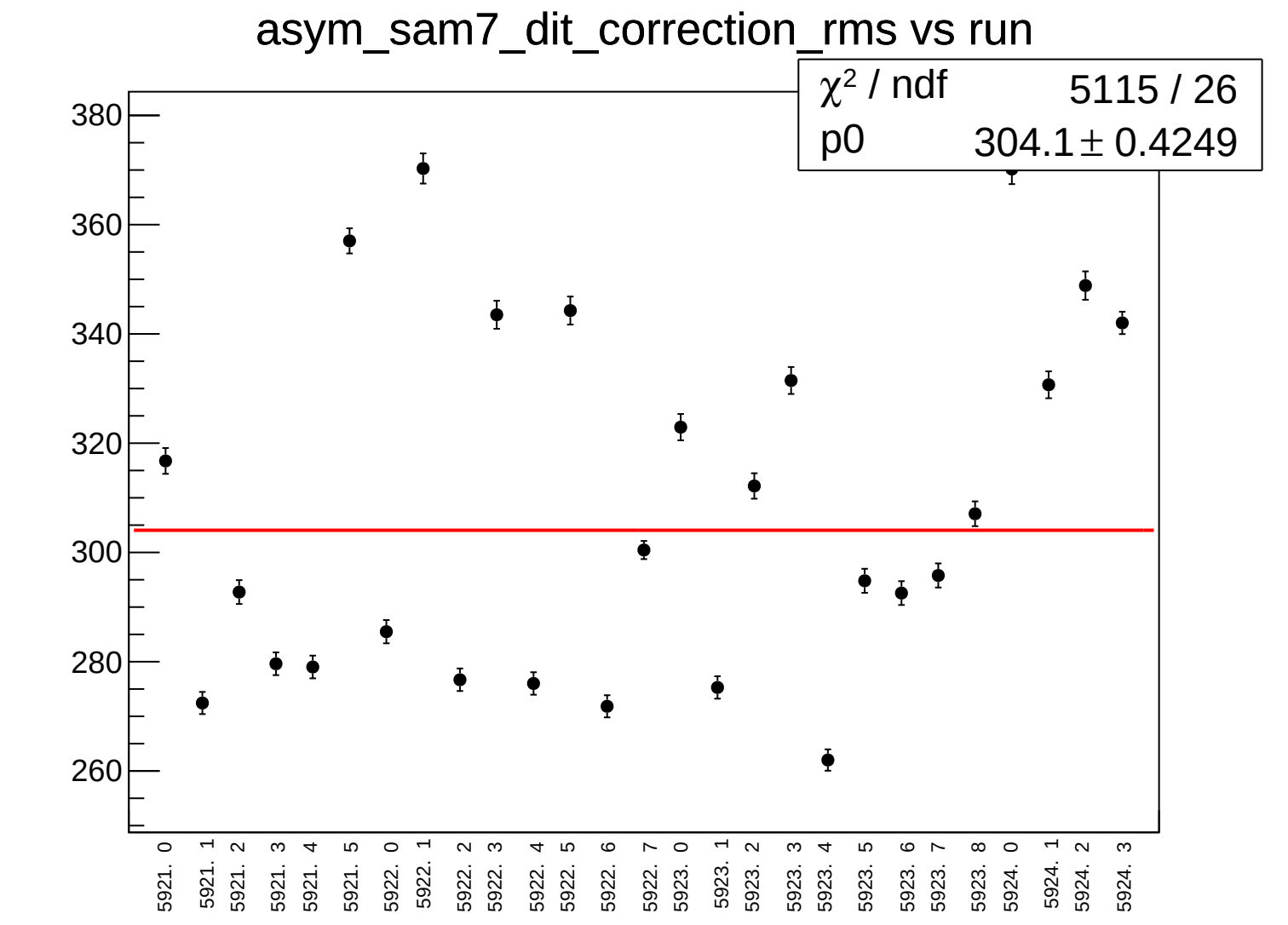

pull1D
Entries 27
Mean 0.03241
Std Dev 1.007
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

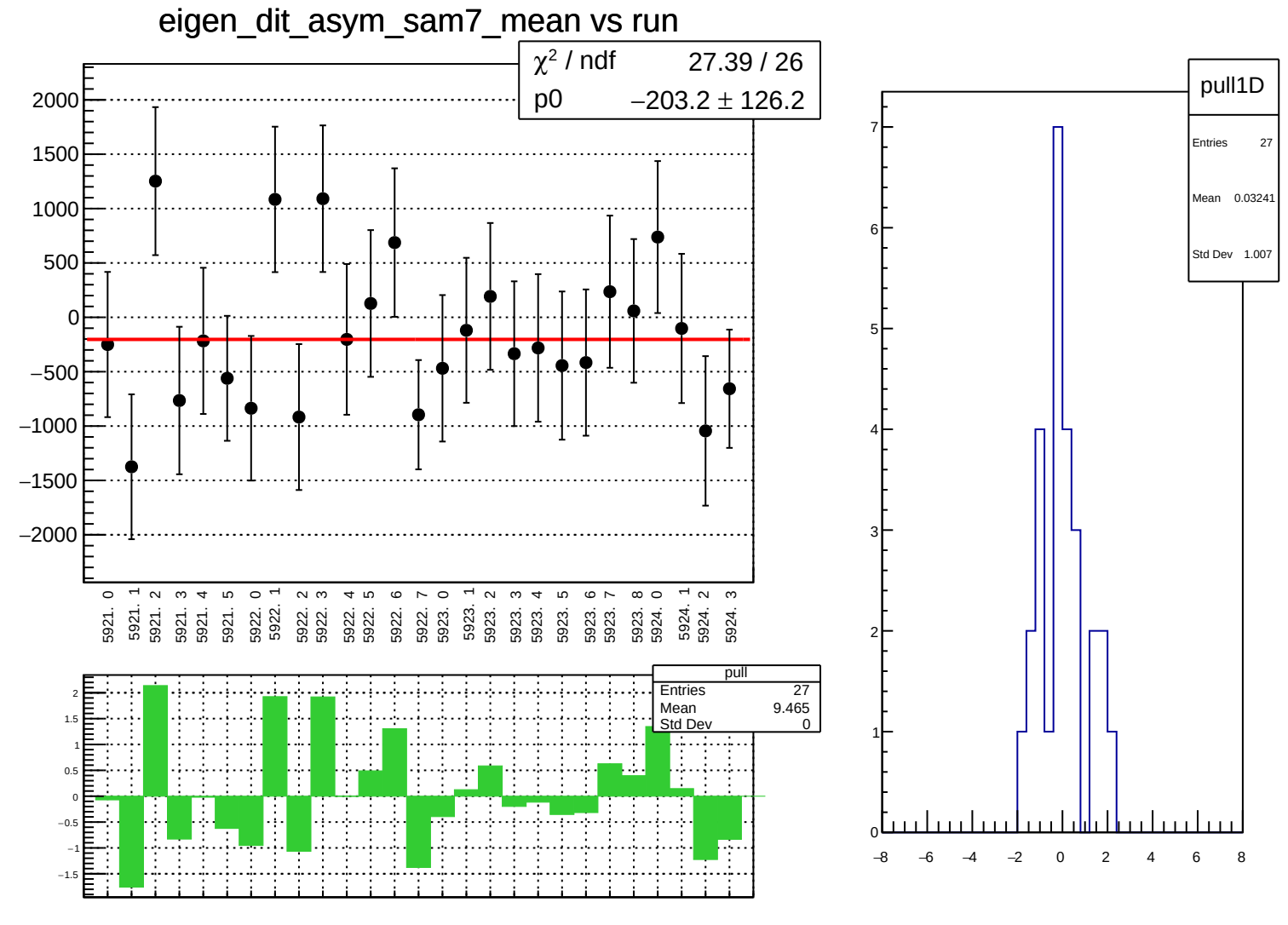

dit_asym_sam7_rms vs run
χ^2 / ndf 99.22 / 26
p0 64.15 ± 0.08922
67
66
65
64
63
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

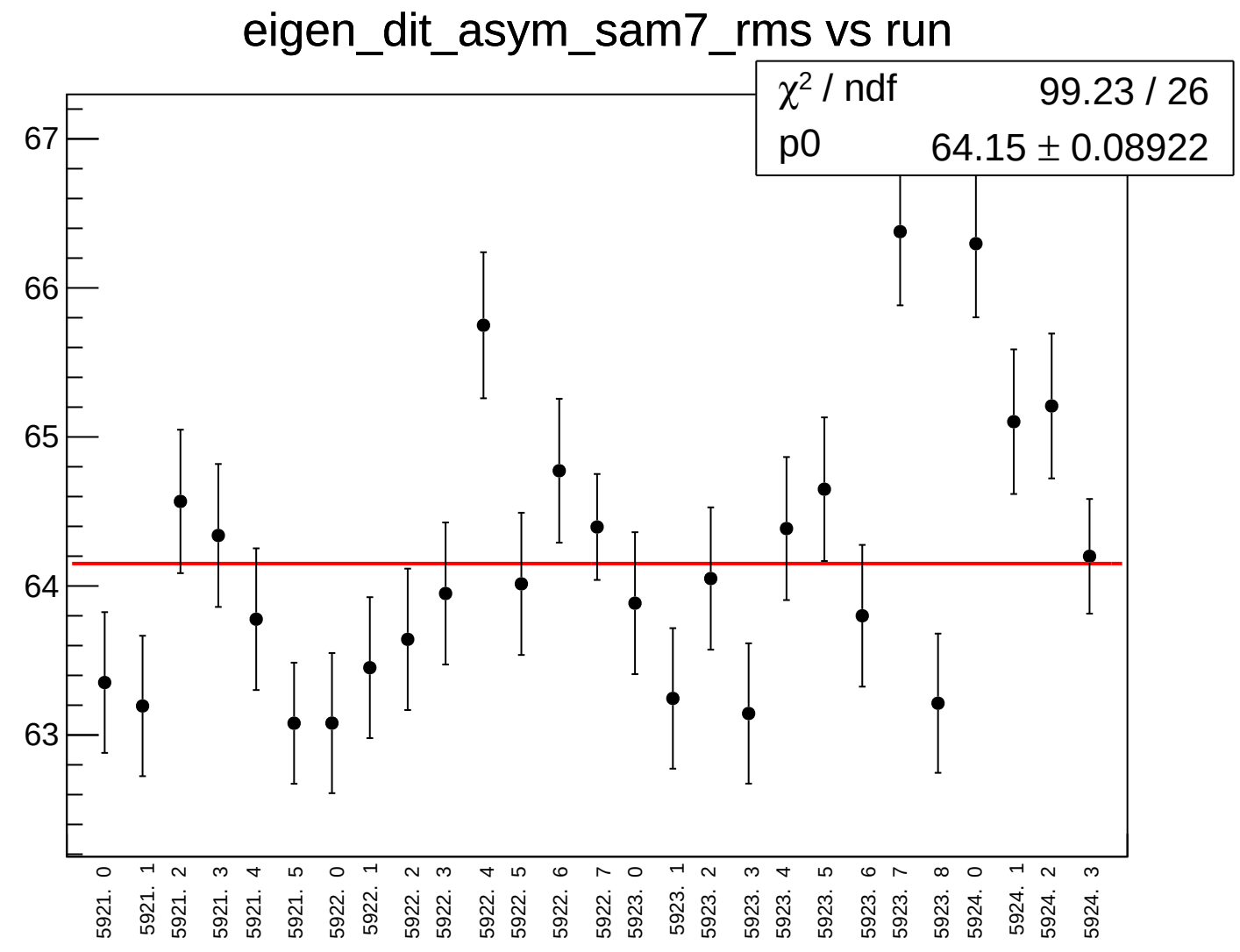

asym_sam7_dit_correction_mean vs run
χ² / ndf 28.1 / 26
p0 −438.4 ± 600.9
10000
5000
0
−5000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

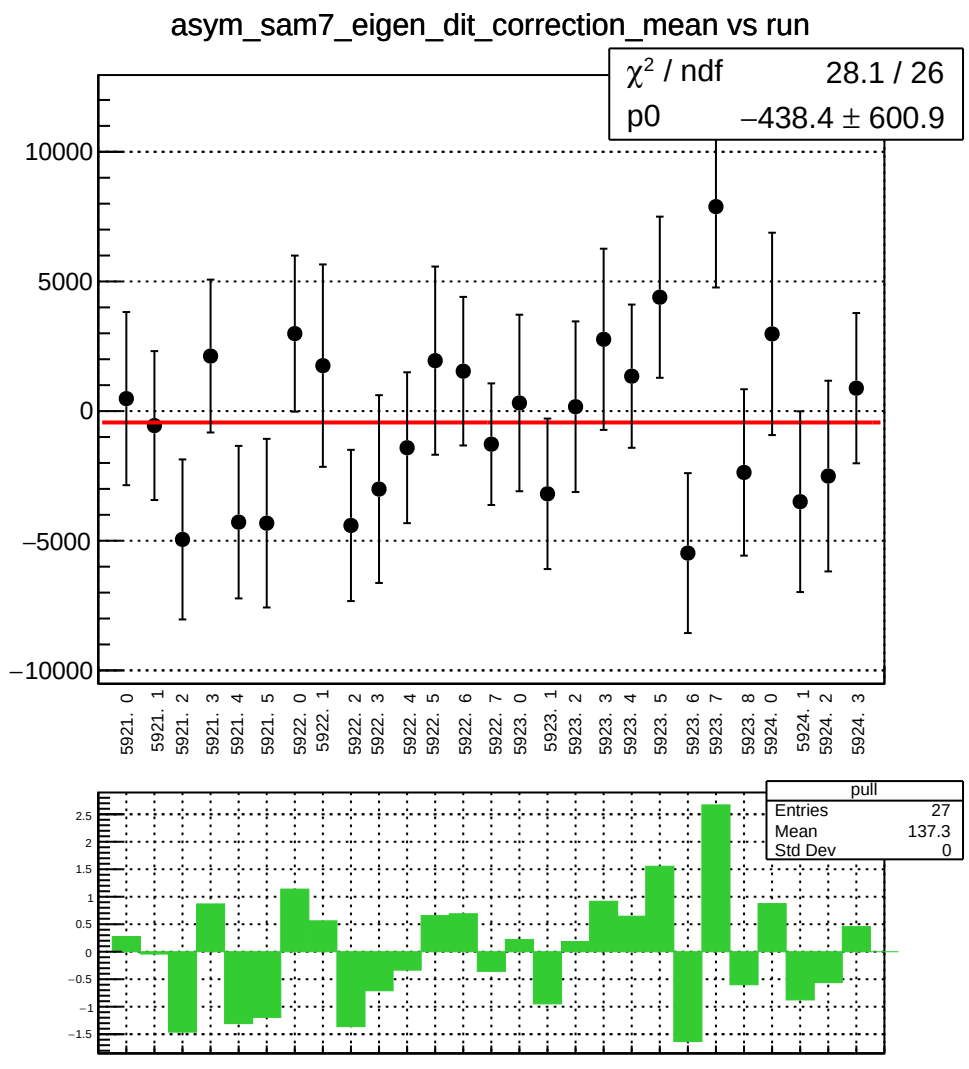

pull
Entries 27
Mean 137.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

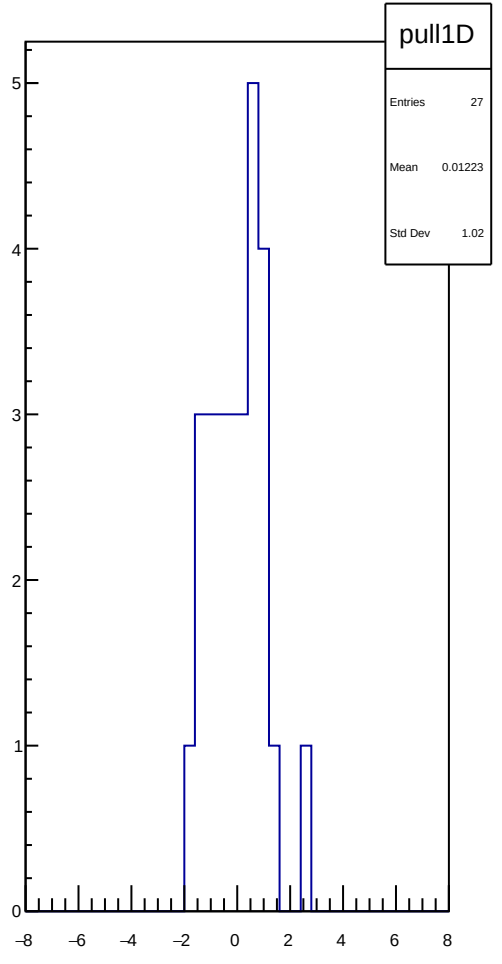

pull1D
Entries 27
Mean 0.01223
Std Dev 1.02
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

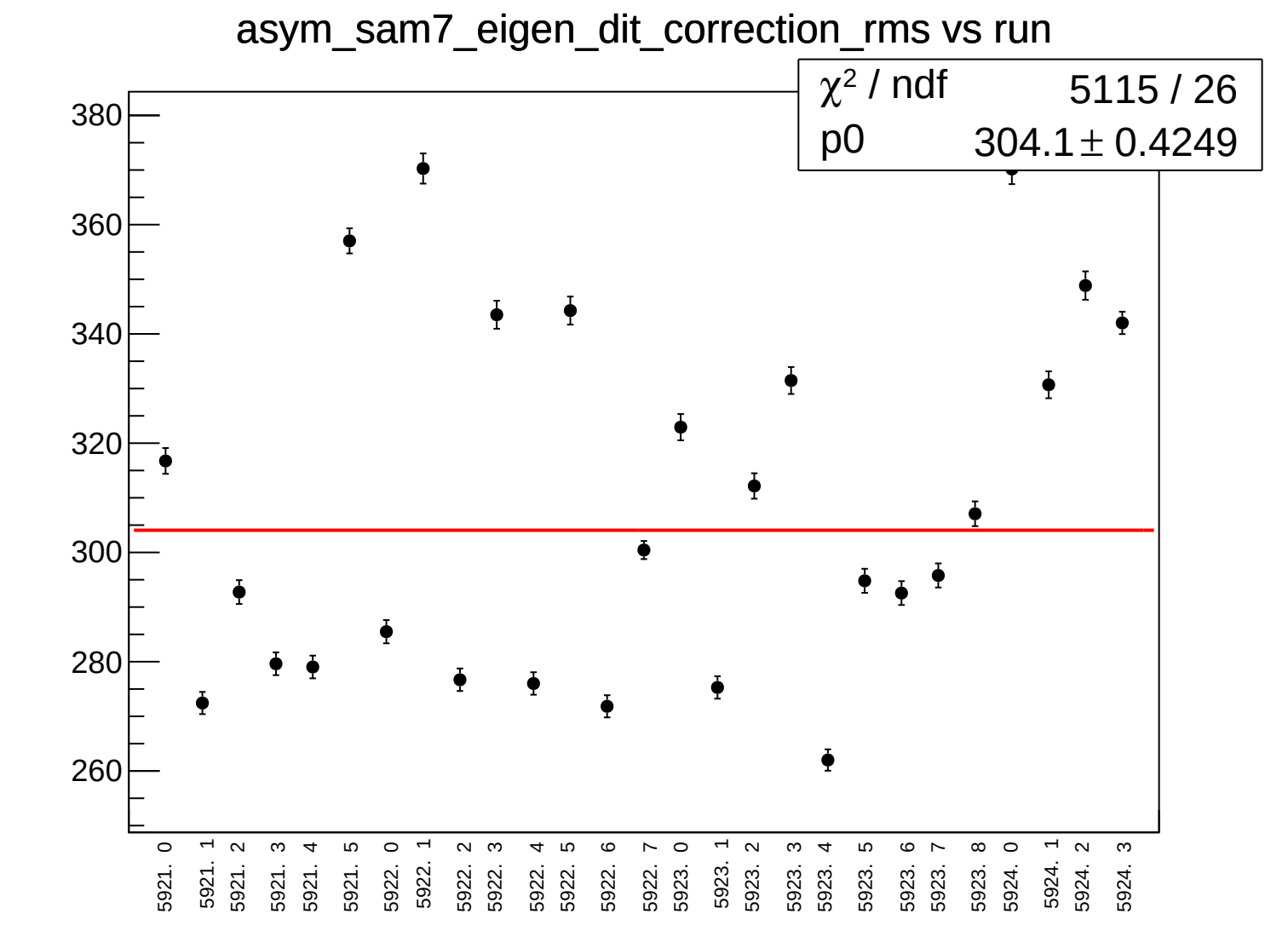

asym_sam7_dit_correction_rms vs run
χ² / ndf 5115 / 26
p0 304.1 ± 0.4249
380
360
340
320
300
280
260
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

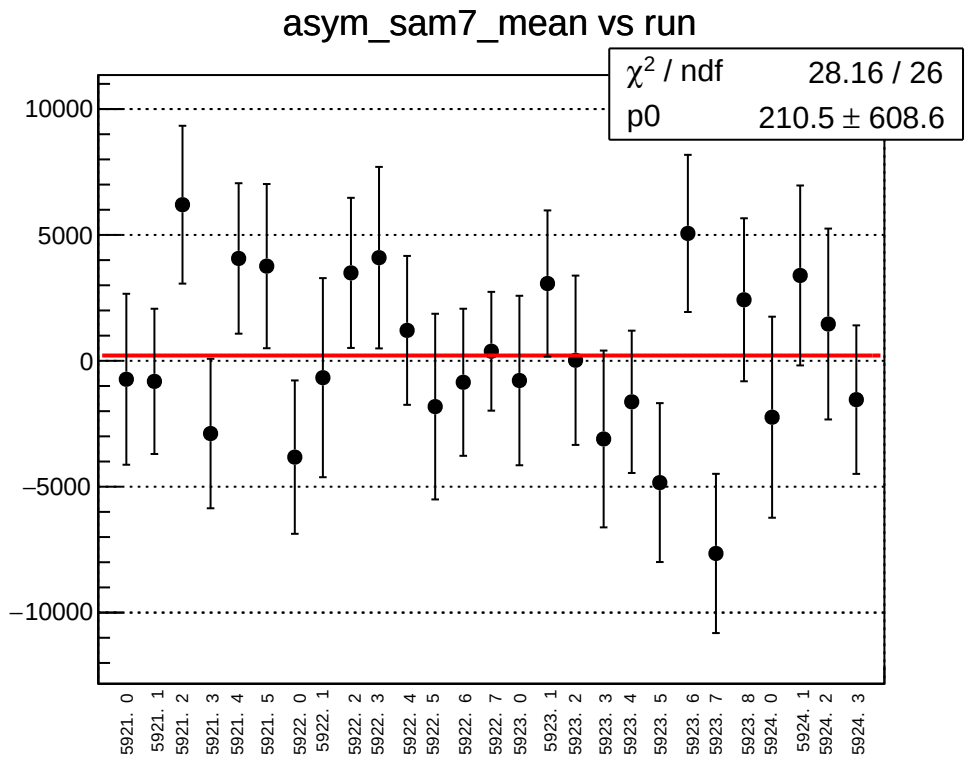

eigen_dit_asym_sam7_mean vs run
χ² / ndf 27.39 / 26
p0 −203.2 ± 126.2
2000
1500
1000
500
0
−500
−1000
−1500
−2000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 9.465
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.03241
Std Dev 1.007
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

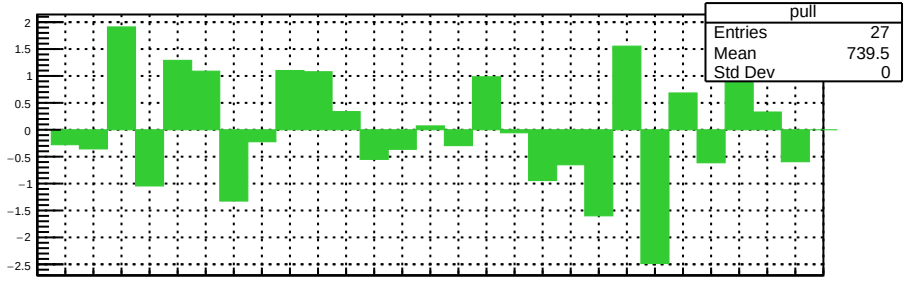

eigen_dit_asym_sam7_rms vs run
χ² / ndf 99.23 / 26
p0 64.15 ± 0.08922
67
66
65
64
63
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

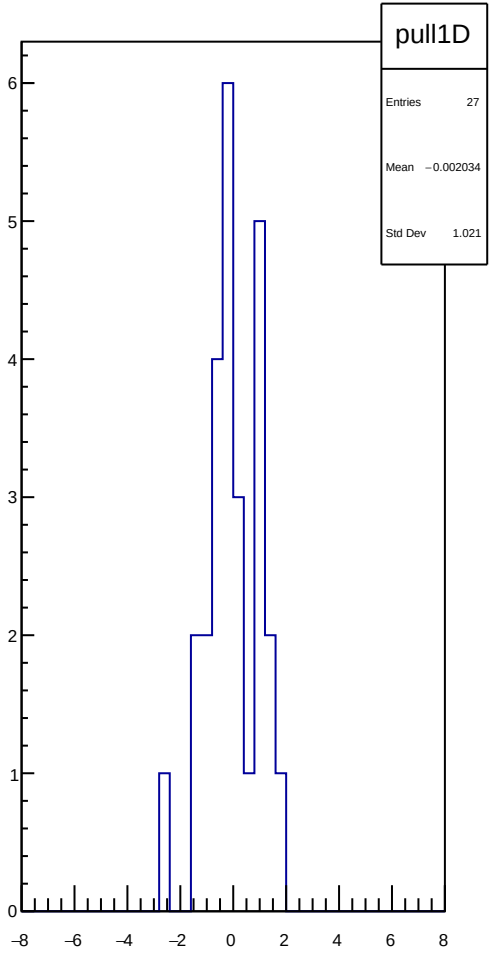

asym_sam7_eigen_dit_correction_mean vs run
χ² / ndf 28.1 / 26
p0 −438.4 ± 600.9
10000
5000
0
−5000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 137.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

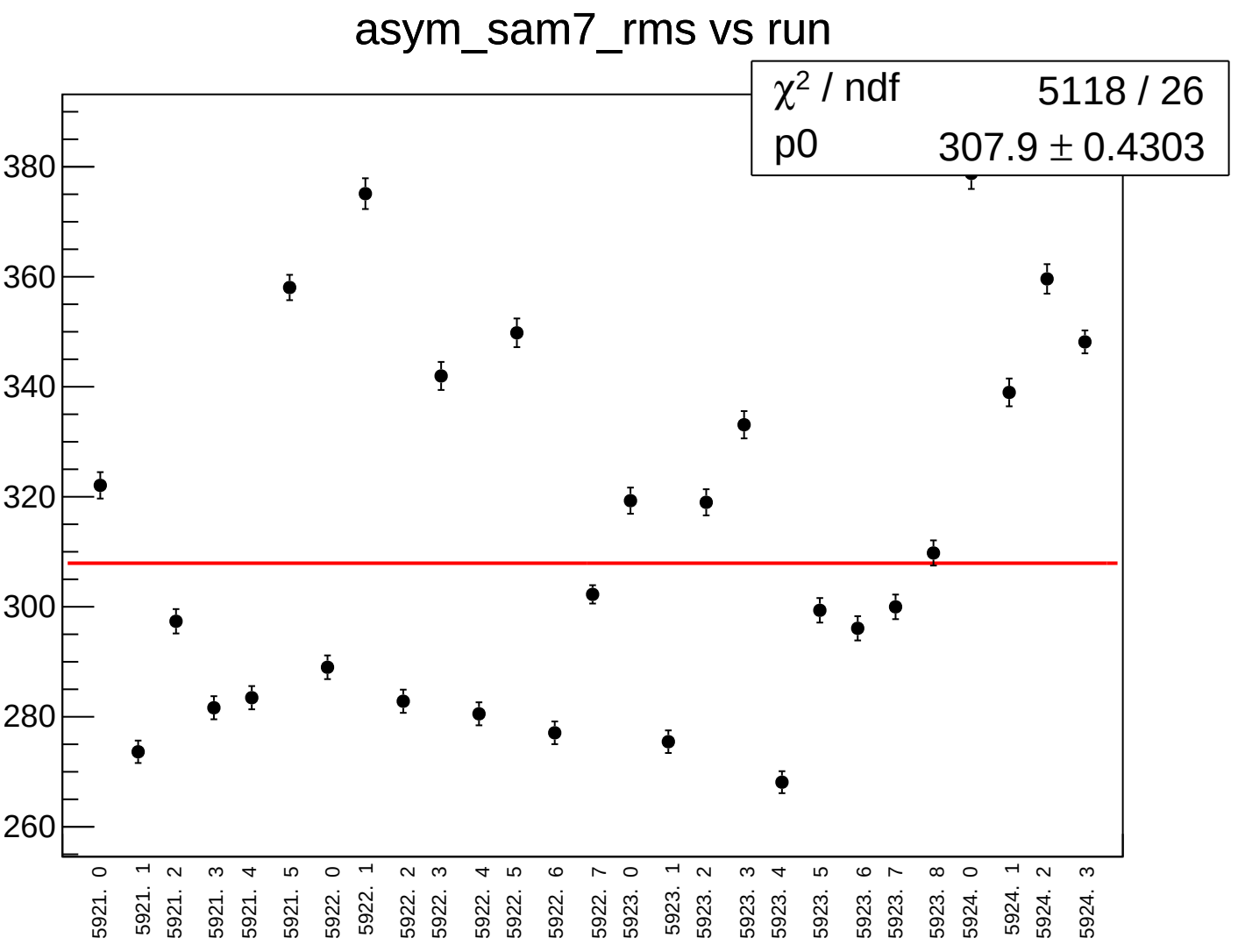

pull1D
Entries 27
Mean 0.01223
Std Dev 1.02
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

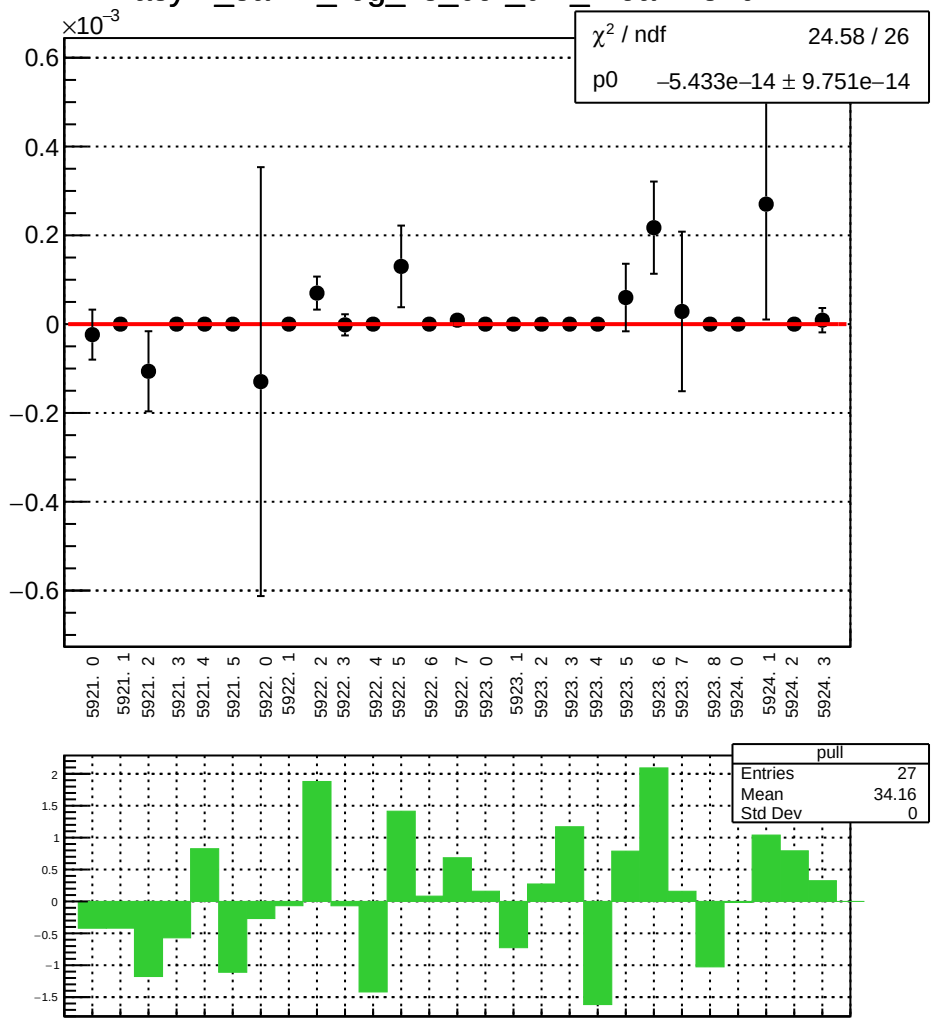

asym_sam7_eigen_dit_correction_rms vs run
χ² / ndf 5115 / 26
p0 304.1 ± 0.4249
380
360
340
320
300
280
260
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

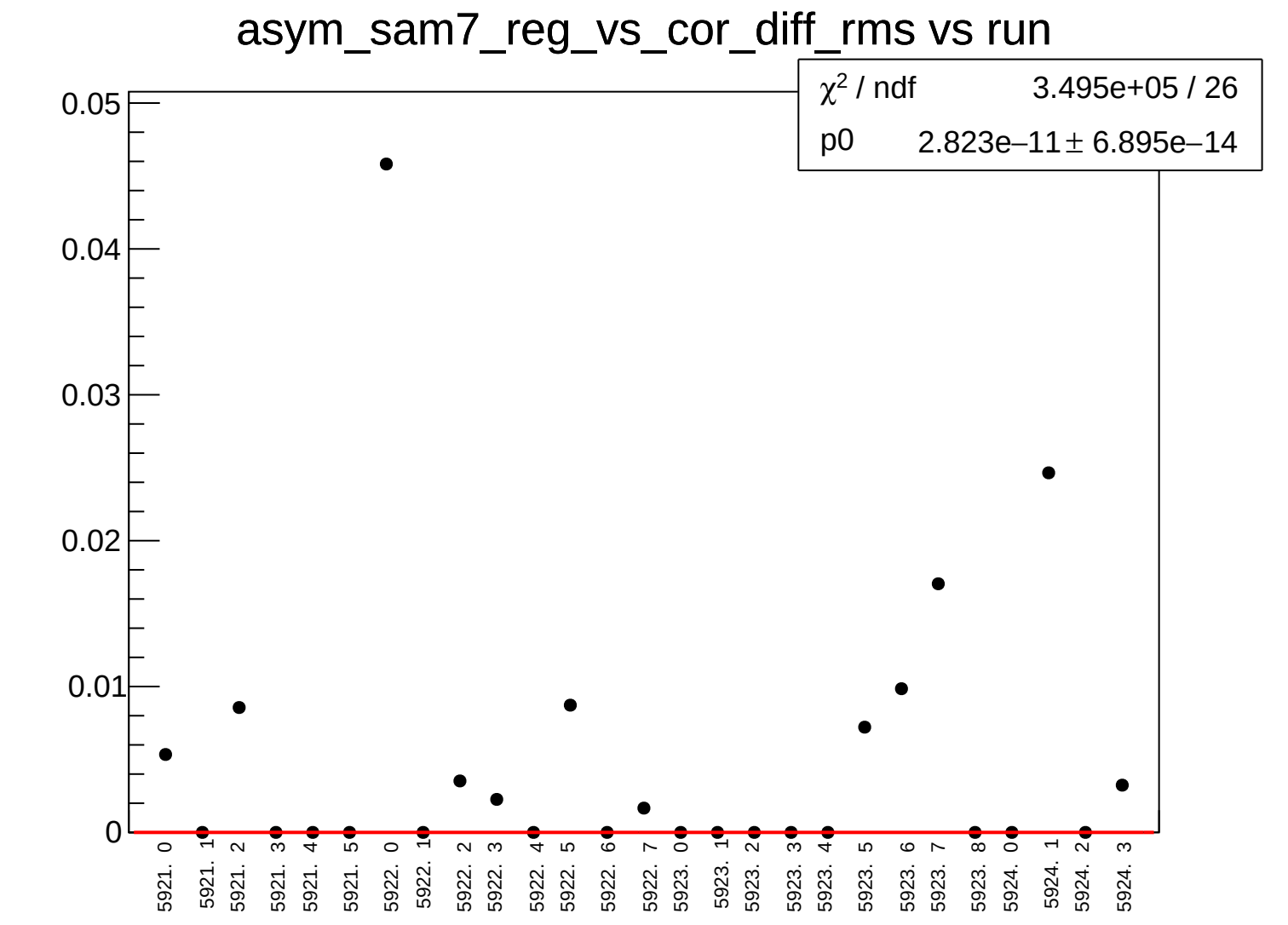

asym_sam7_mean vs run
χ^2 / ndf 28.16 / 26
p0 210.5 ± 608.6
10000
5000
0
−5000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

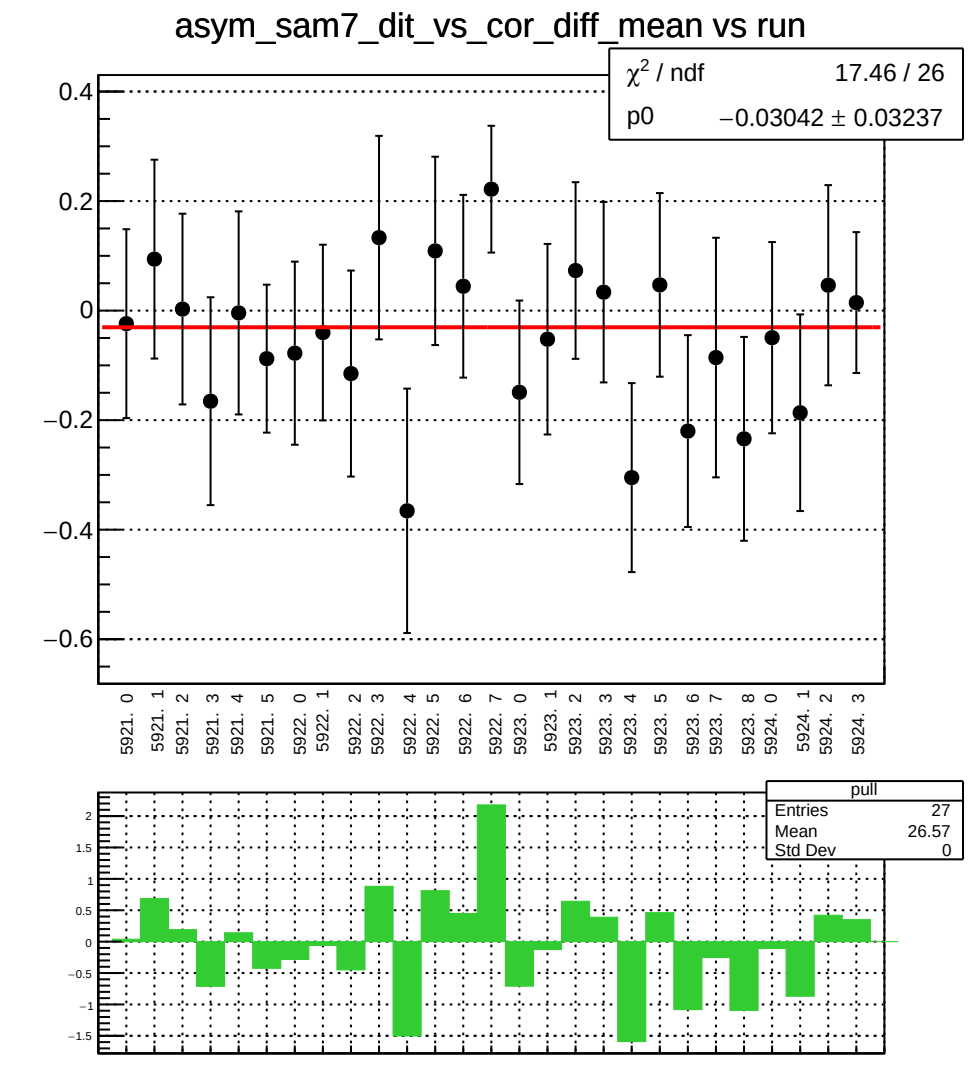

pull
Entries 27
Mean 739.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

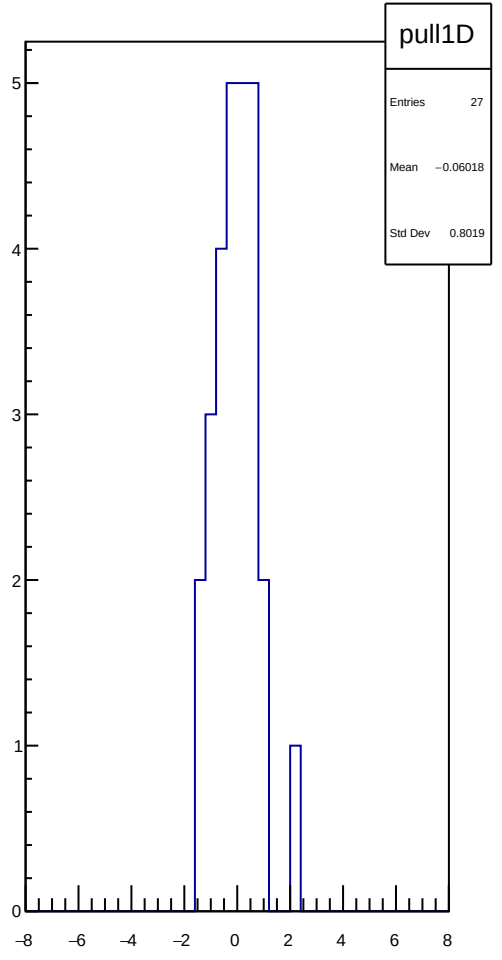

pull1D
Entries 27
Mean −0.002034
Std Dev 1.021
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

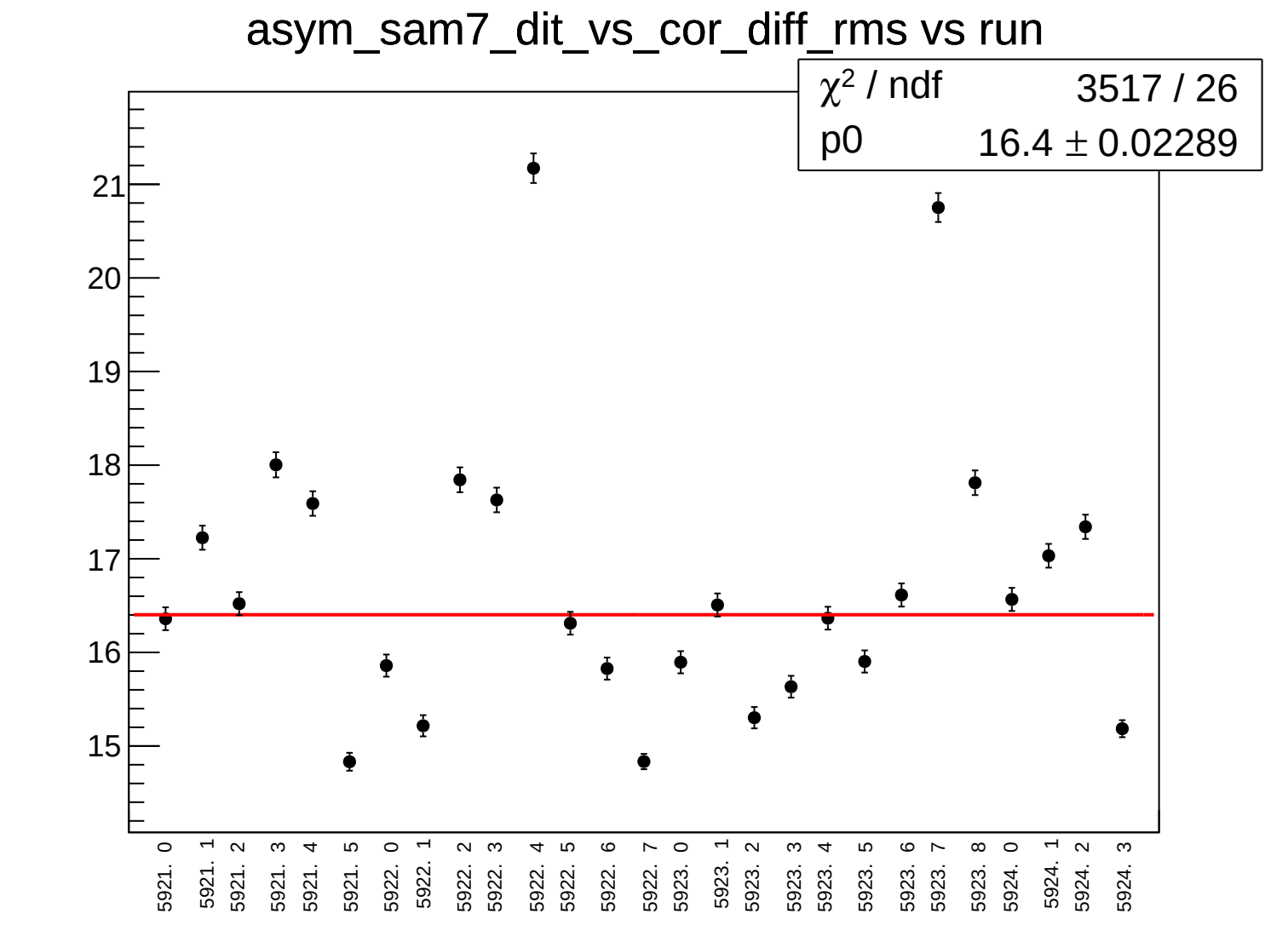

asym_sam7_rms vs run
χ² / ndf 5118 / 26
p0 307.9 ± 0.4303
380
360
340
320
300
280
260
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

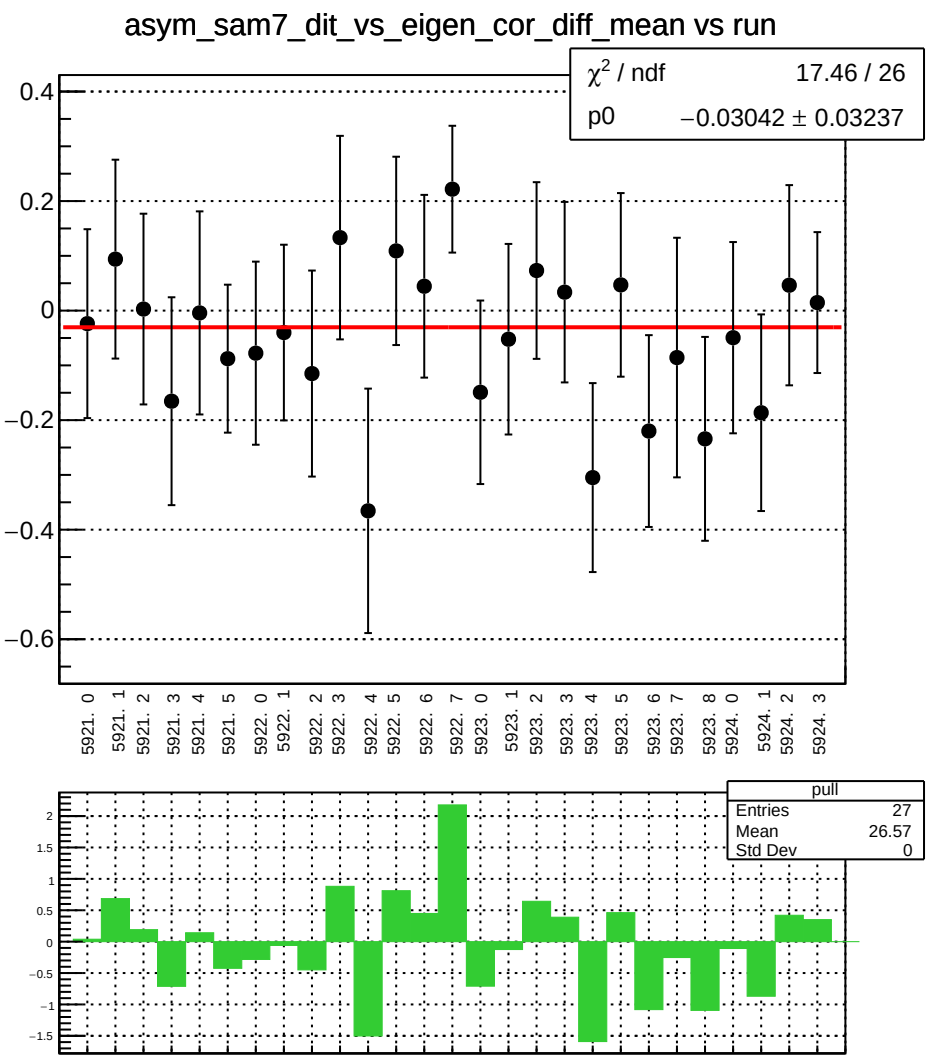

asym_sam7_reg_vs_cor_diff_mean vs run
×10^−3
χ² / ndf 24.58 / 26
p0 −5.433e−14 ± 9.751e−14
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 34.16
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.1033
Std Dev 0.9486
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

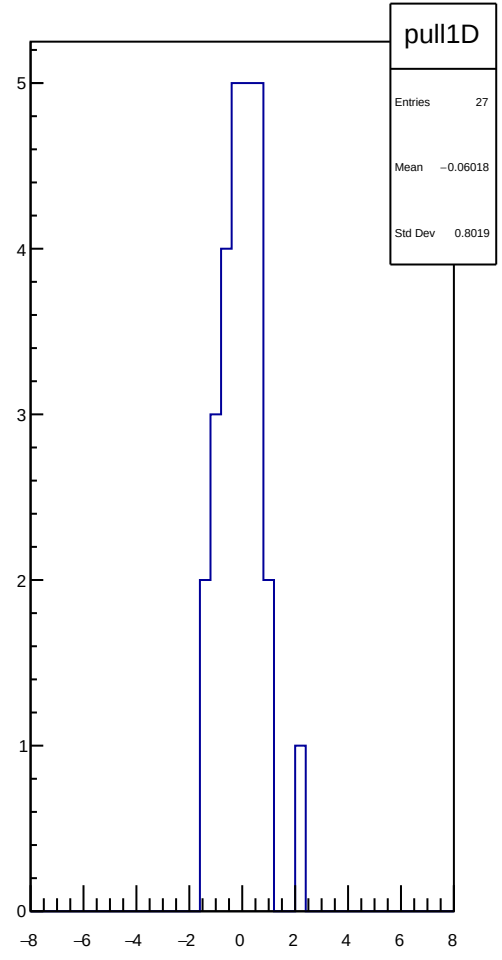

asym_sam7_reg_vs_cor_diff_rms vs run
χ² / ndf 3.495e+05 / 26
p0 2.823e−11 ± 6.895e−14
0.05
0.04
0.03
0.02
0.01
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

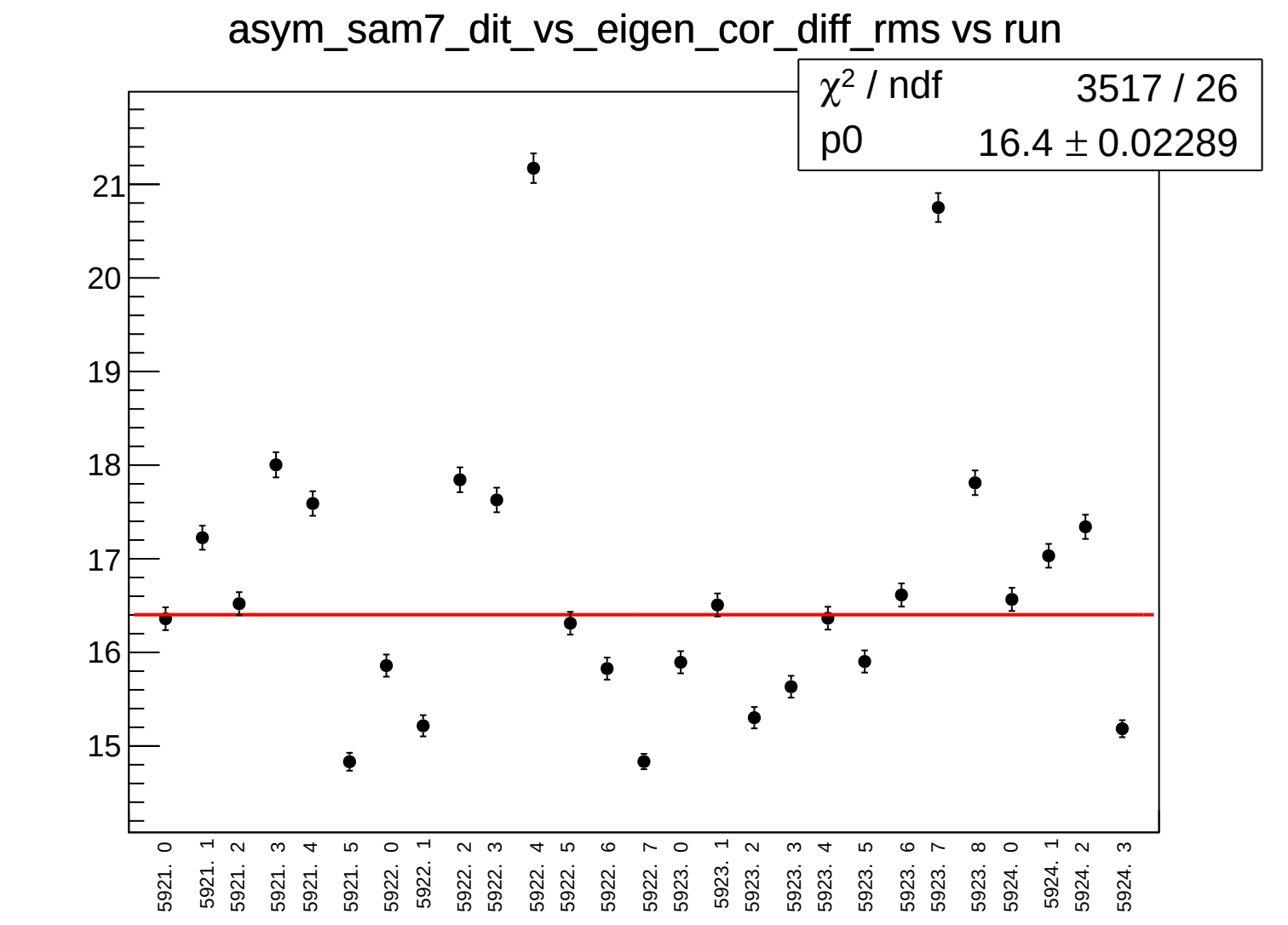

asym_sam7_dit_vs_cor_diff_mean vs run
χ² / ndf 17.46 / 26
p0 −0.03042 ± 0.03237
0.4
0.2
0
−0.2
−0.4
−0.6
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 26.57
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

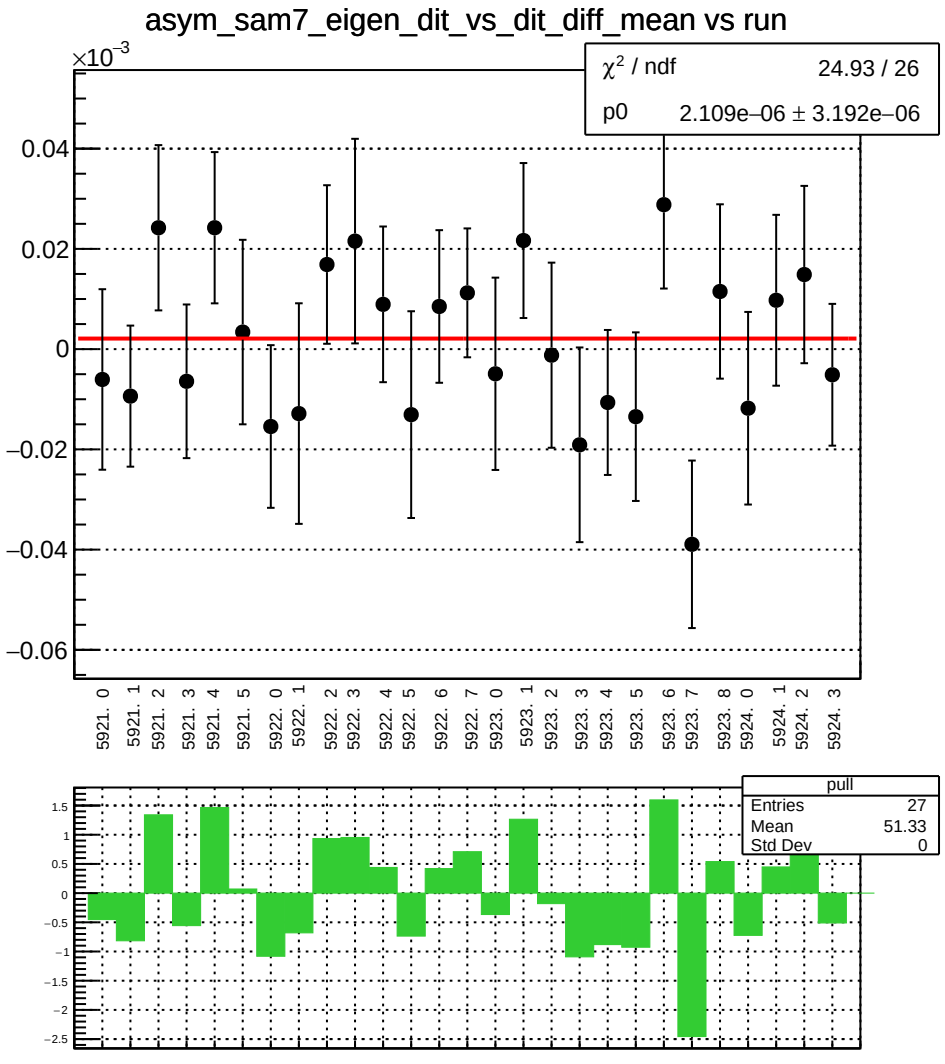

pull1D
Entries 27
Mean −0.06018
Std Dev 0.8019
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

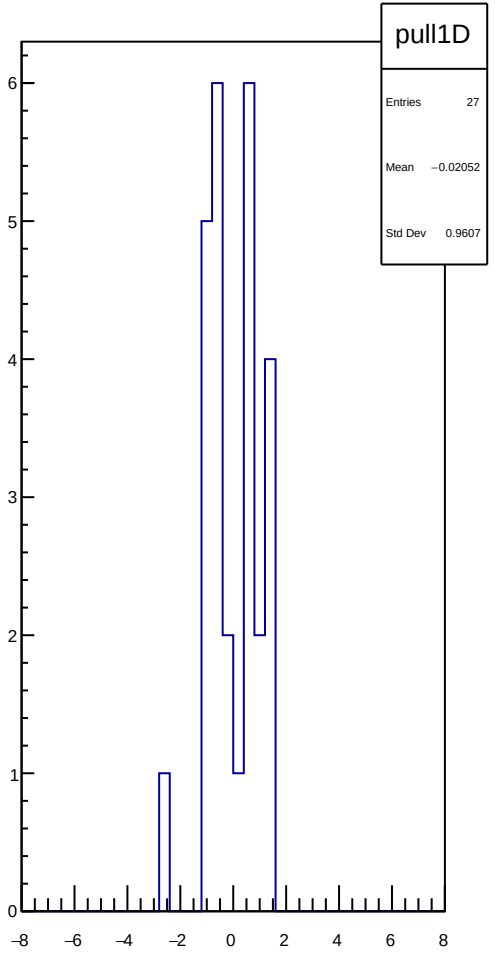

asym_sam7_dit_vs_cor_diff_rms vs run
χ² / ndf 3517 / 26
p0 16.4 ± 0.02289
21
20
19
18
17
16
15
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

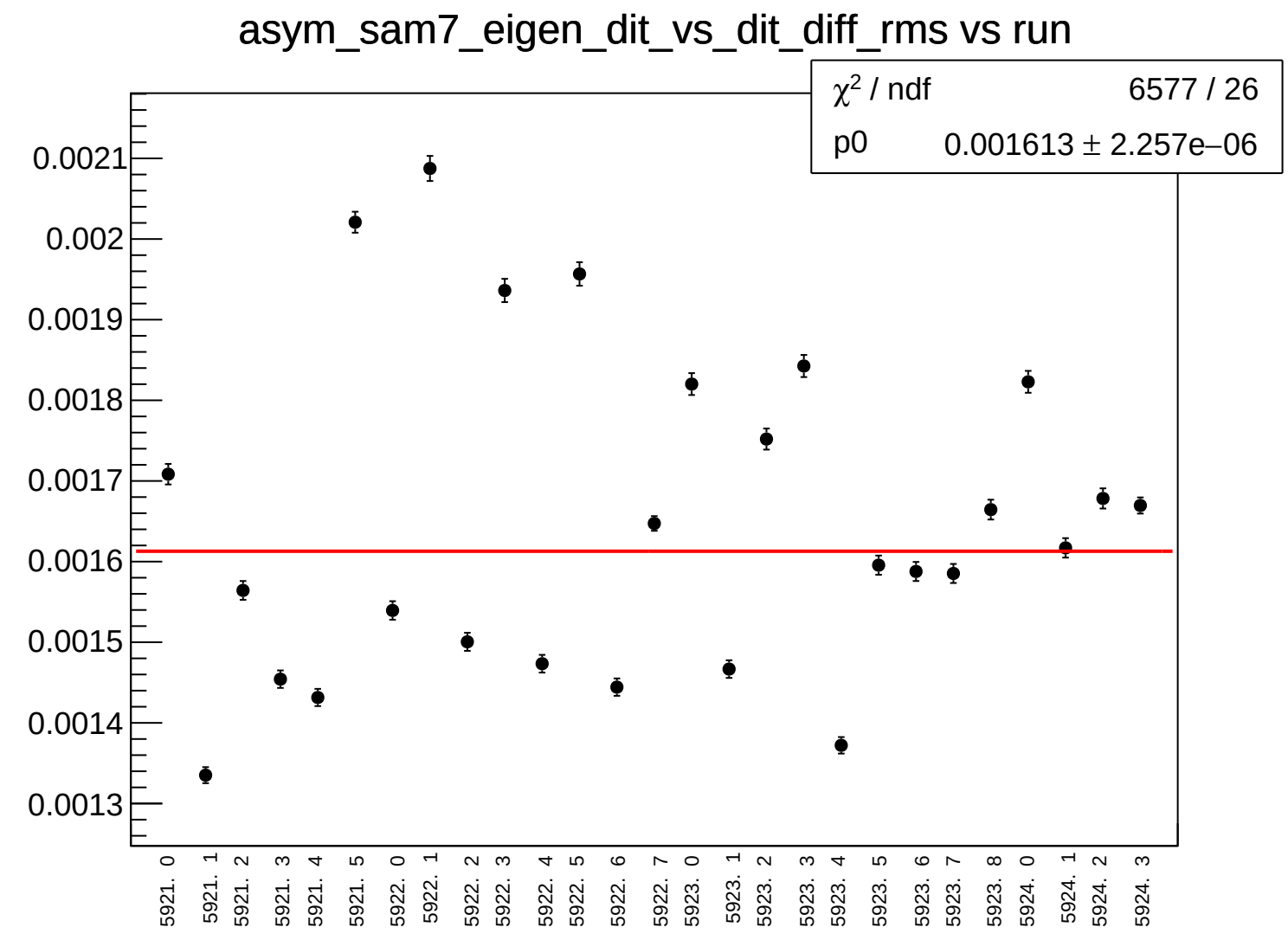

asym_sam7_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 17.46 / 26
p0 −0.03042 ± 0.03237
0.4
0.2
0
−0.2
−0.4
−0.6
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 26.57
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

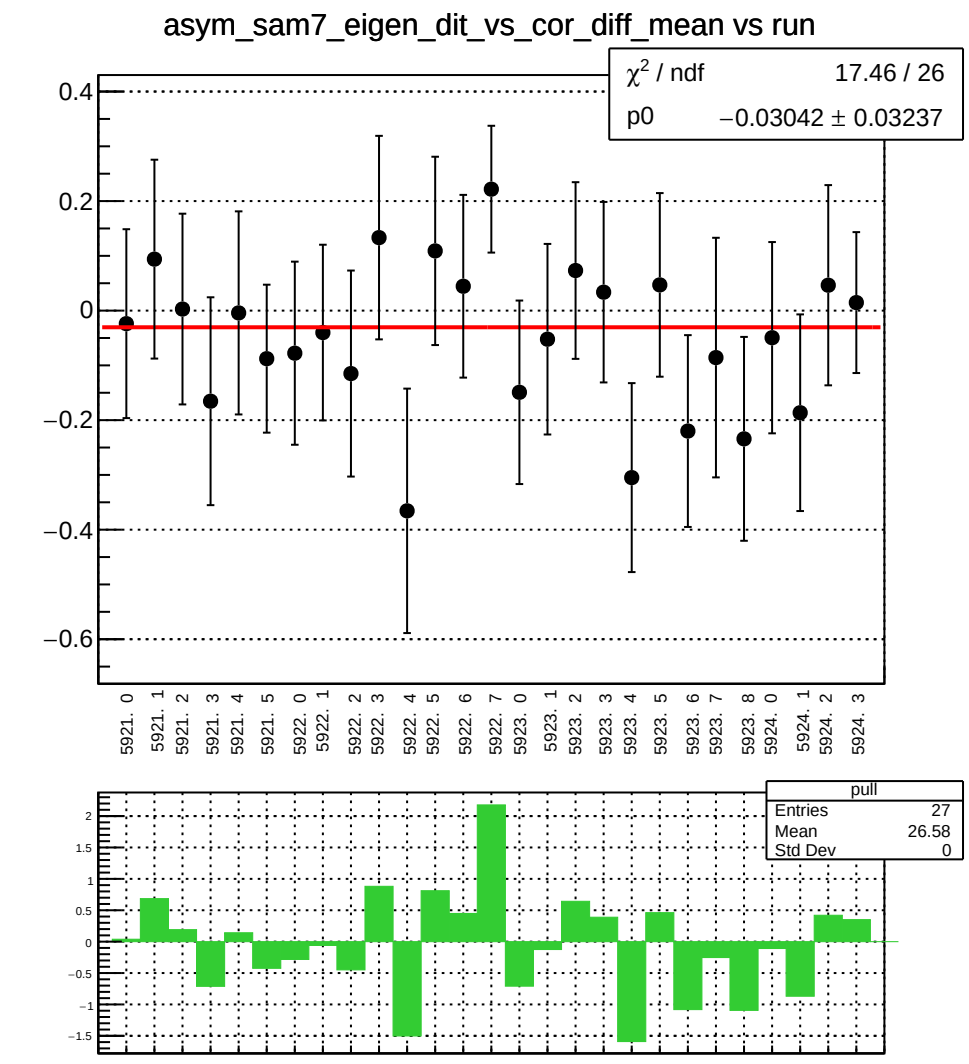

pull1D
Entries 27
Mean −0.06018
Std Dev 0.8019
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

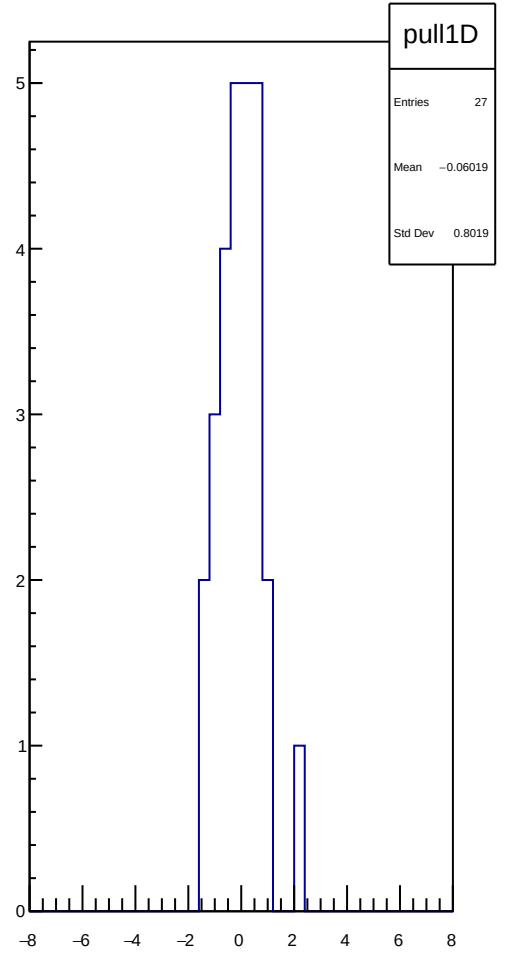

asym_sam7_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3517 / 26
p0 16.4 ± 0.02289
21
20
19
18
17
16
15
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

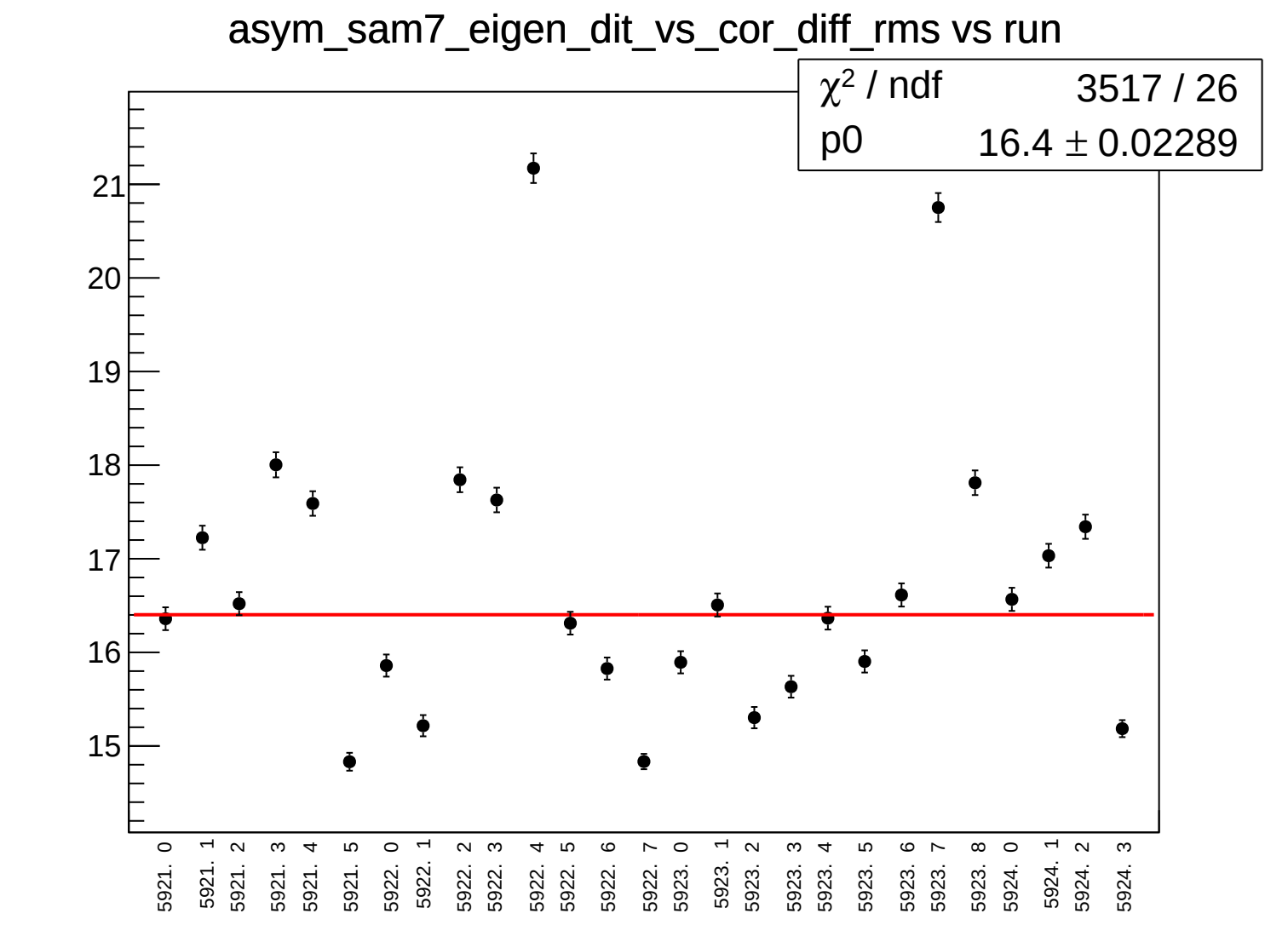

asym_sam7_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 24.93 / 26
p0 2.109e−06 ± 3.192e−06
0.04
0.02
0
−0.02
−0.04
−0.06
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 51.33
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

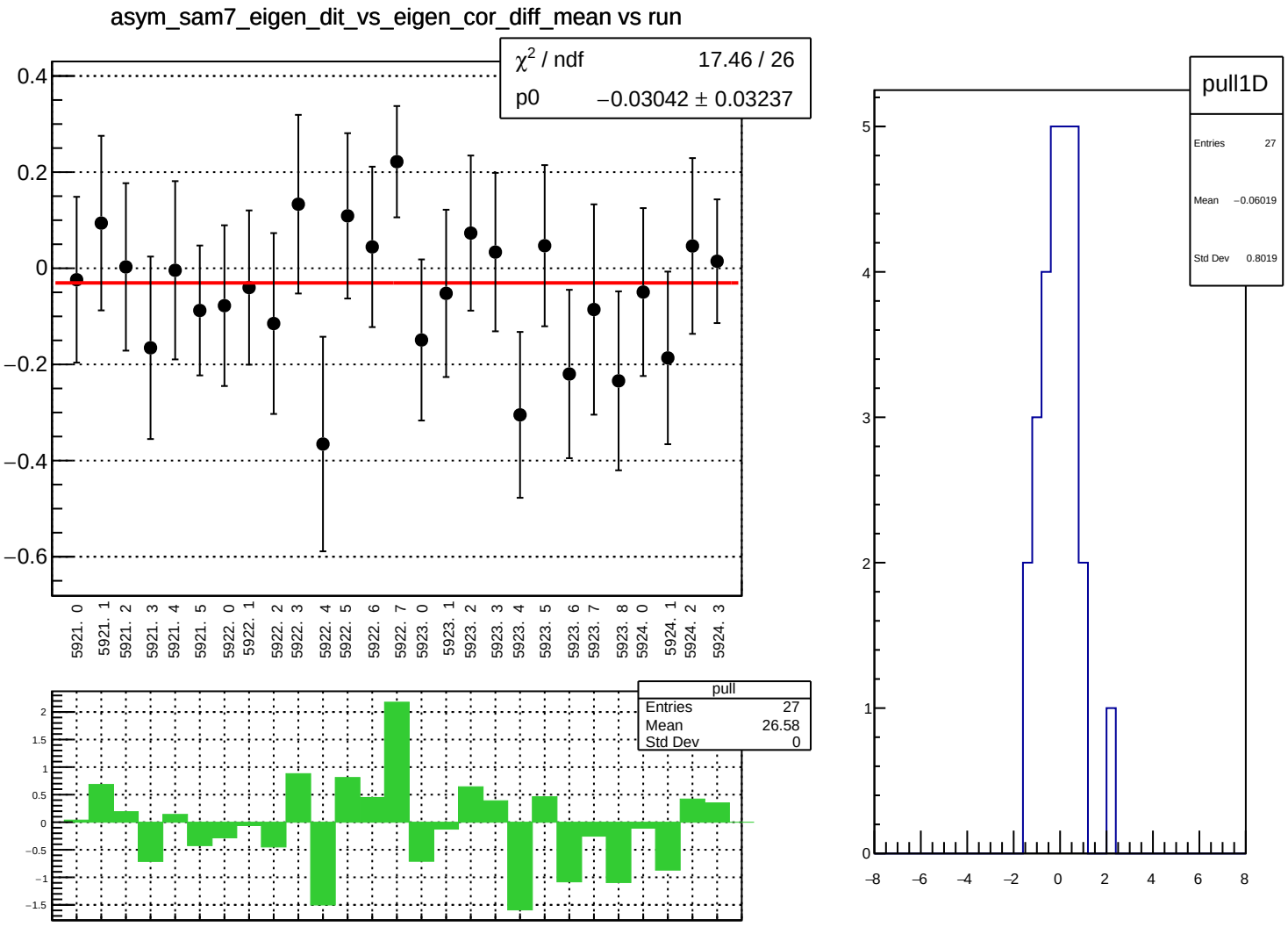

pull1D
Entries 27
Mean −0.02052
Std Dev 0.9607
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

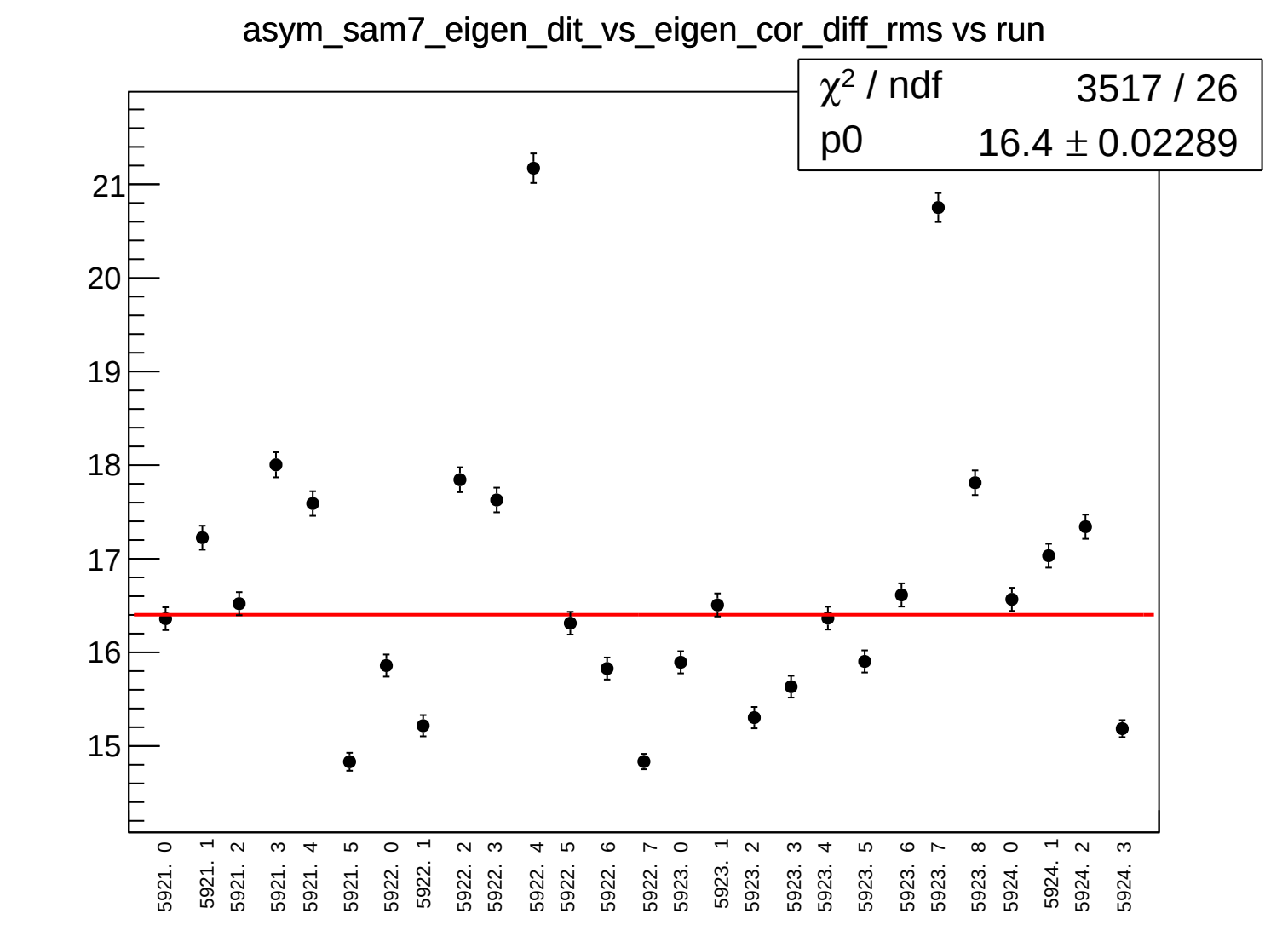

asym_sam7_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6577 / 26
p0 0.001613 ± 2.257e−06
0.0021
0.002
0.0019
0.0018
0.0017
0.0016
0.0015
0.0014
0.0013
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

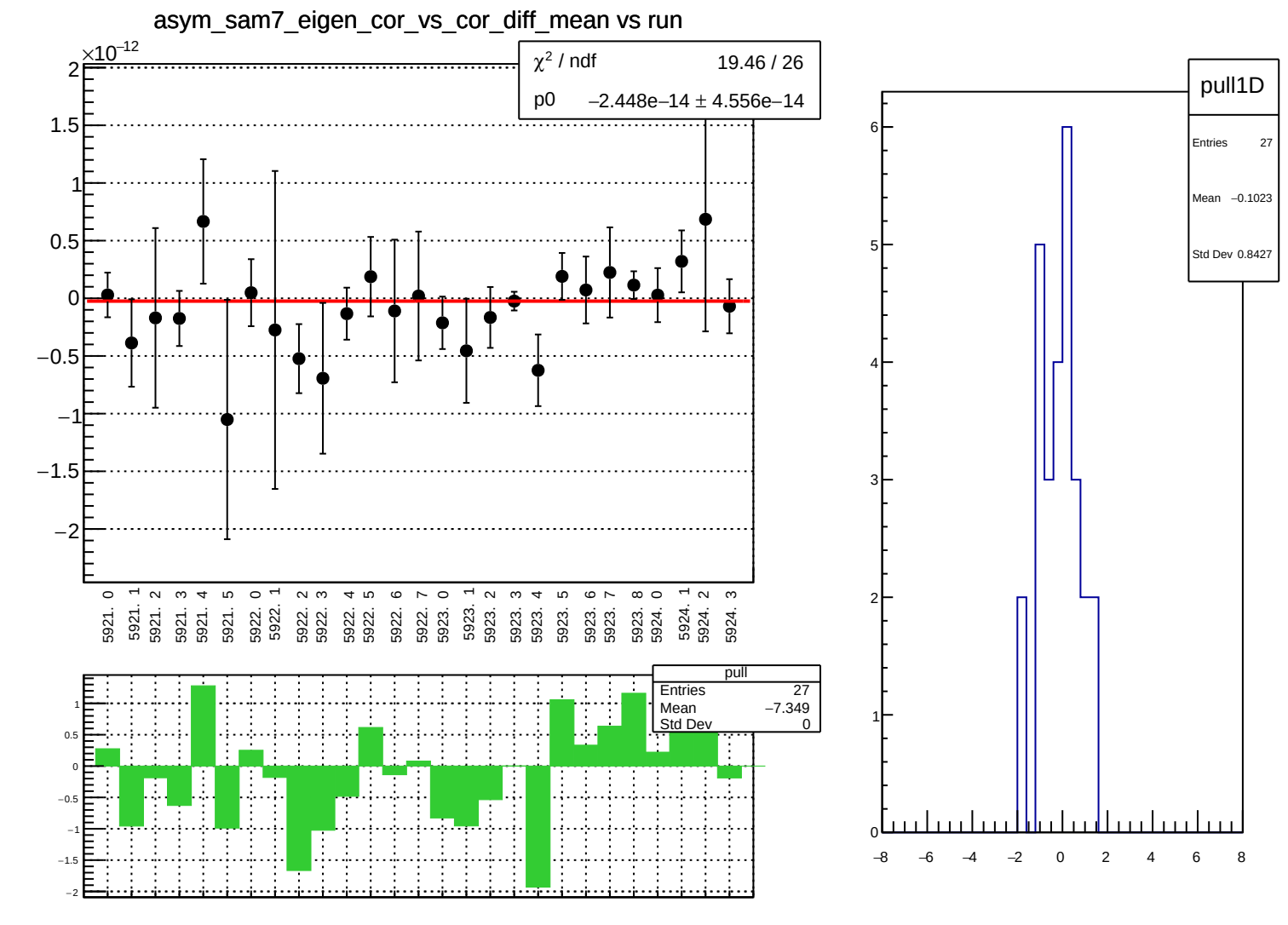

asym_sam7_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 17.46 / 26
p0 −0.03042 ± 0.03237
0.4
0.2
0
−0.2
−0.4
−0.6
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 26.58
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

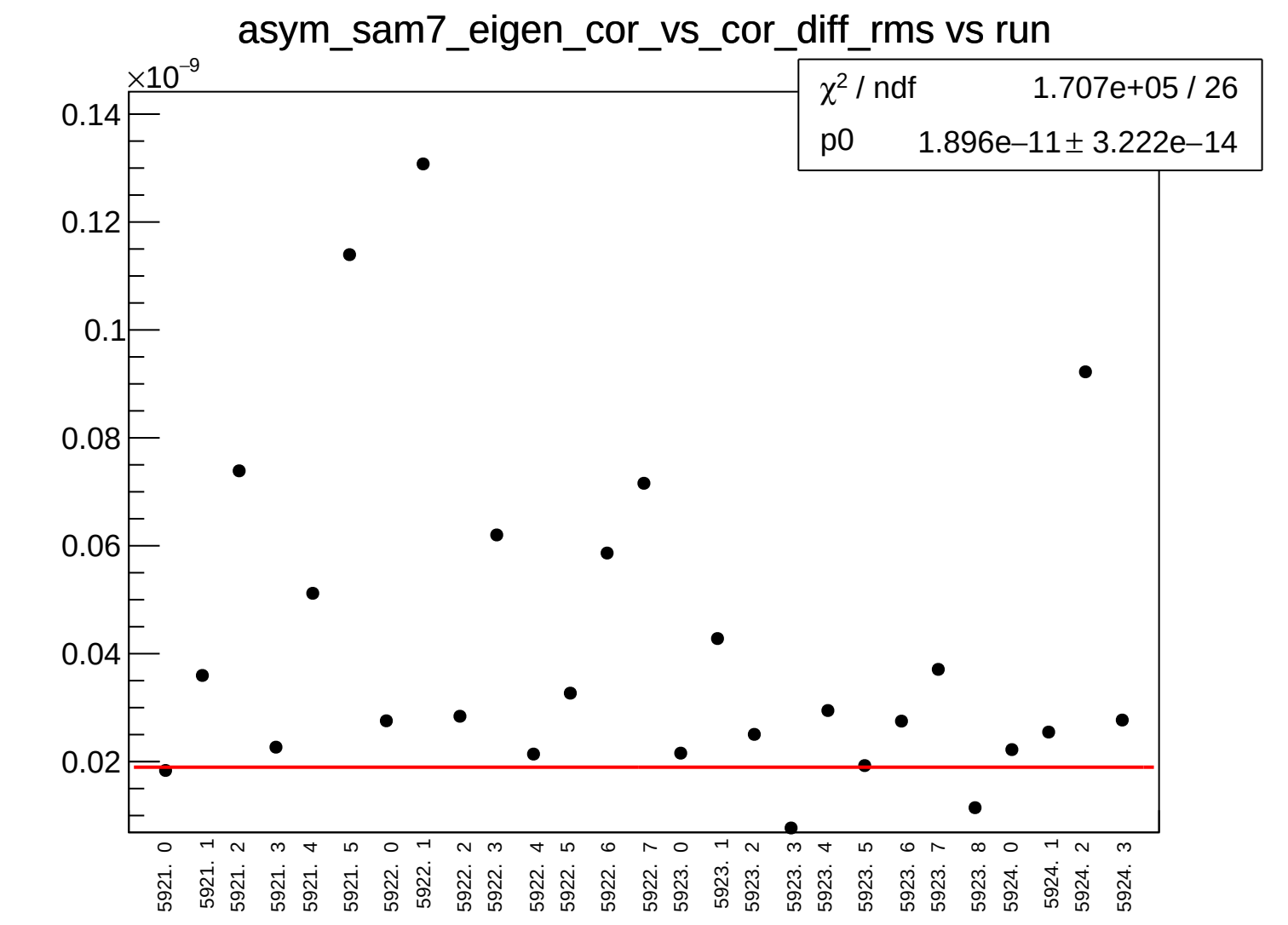

pull1D
Entries 27
Mean −0.06019
Std Dev 0.8019
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

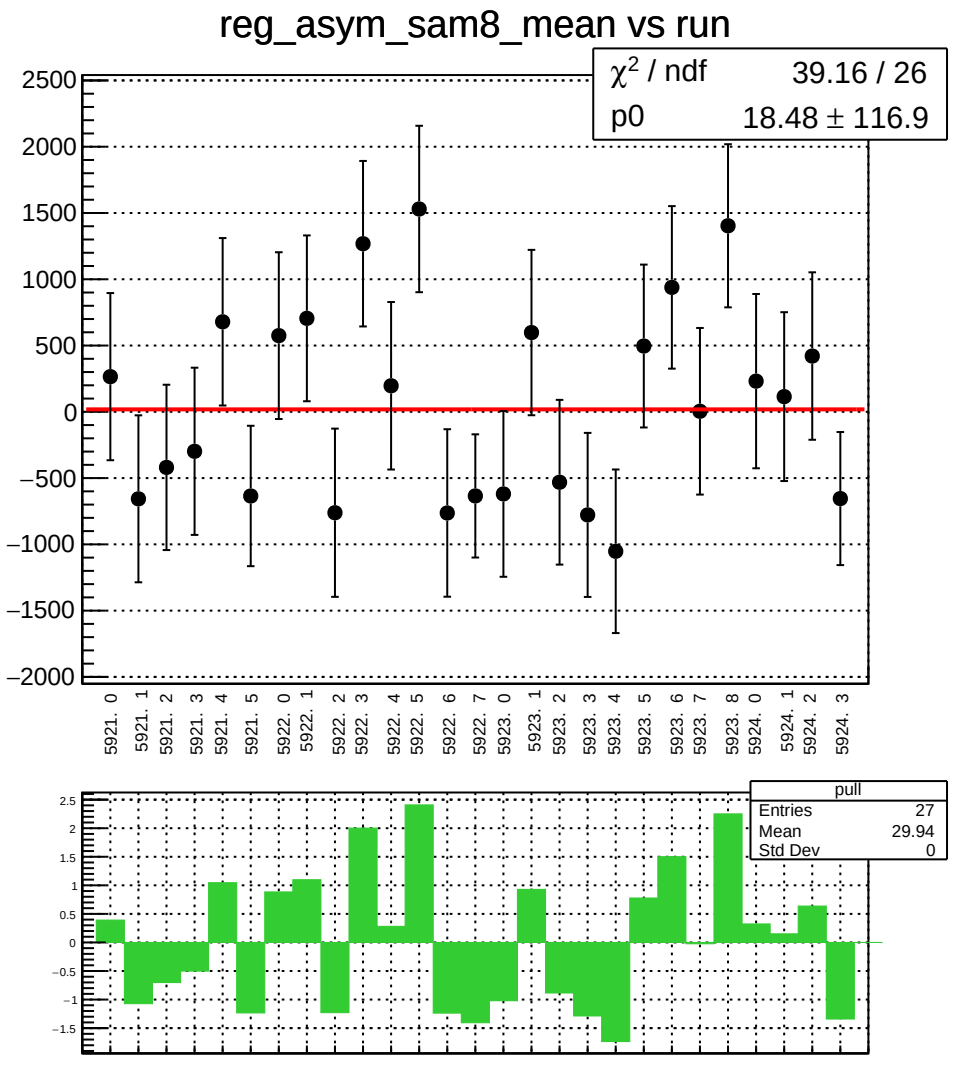

asym_sam7_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3517 / 26
p0 16.4 ± 0.02289
21
20
19
18
17
16
15
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

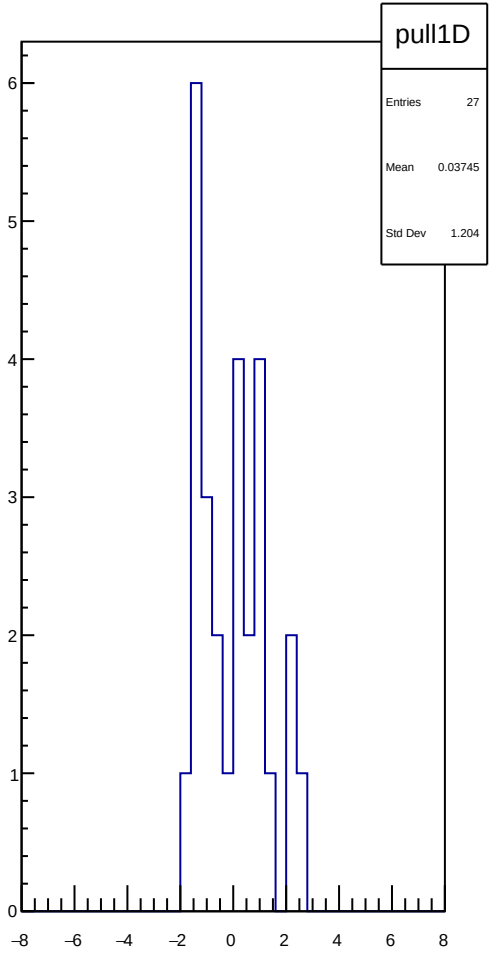

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 17.46 / 26
p0 −0.03042 ± 0.03237
0.4
0.2
0
−0.2
−0.4
−0.6
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 26.58
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.06019
Std Dev 0.8019
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

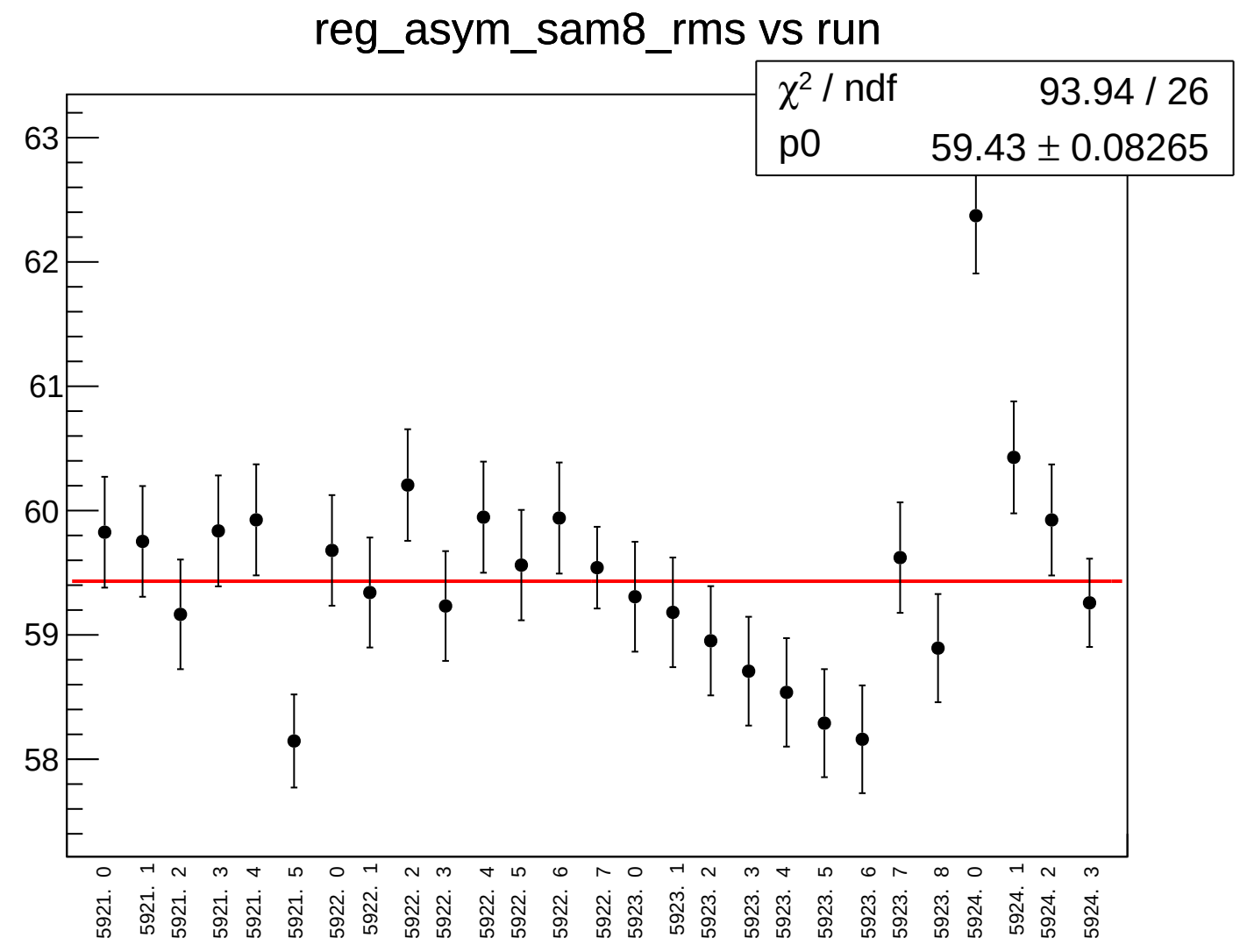

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3517 / 26
p0 16.4 ± 0.02289
21
20
19
18
17
16
15
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

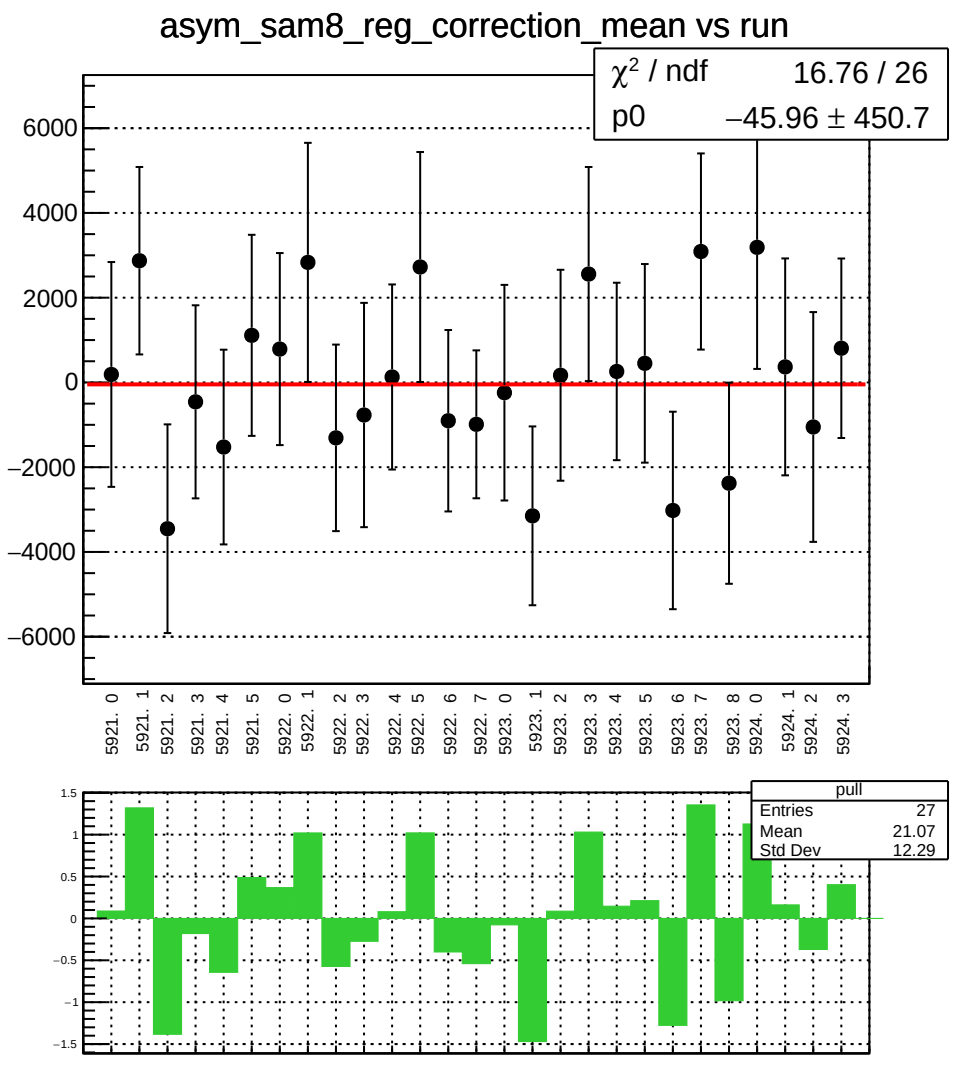

asym_sam7_eigen_cor_vs_cor_diff_mean vs run
×10^−12
χ² / ndf 19.46 / 26
p0 −2.448e−14 ± 4.556e−14
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −7.349
Std Dev 0
pull1D
Entries 27
Mean −0.1023
Std Dev 0.8427
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

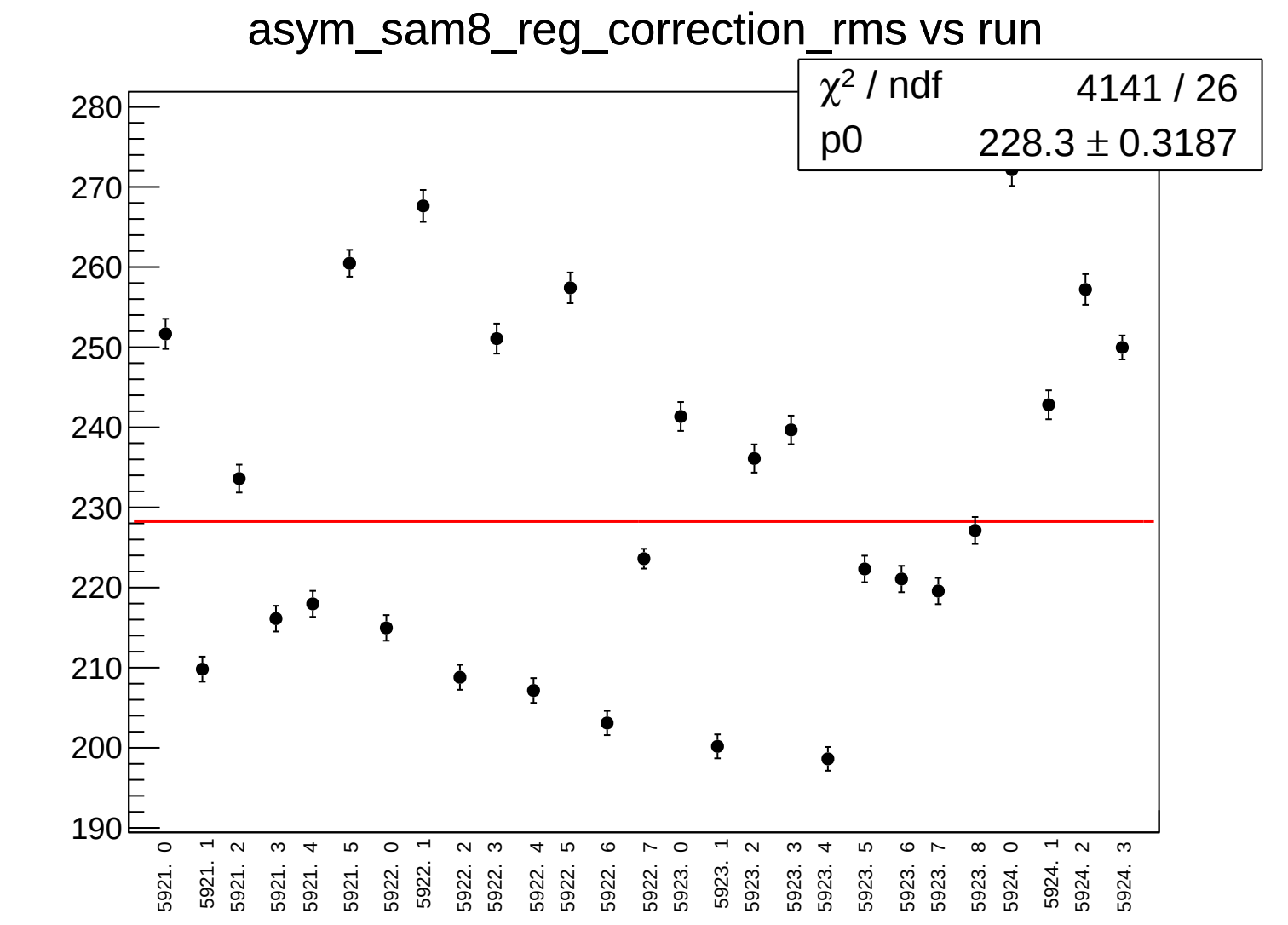

asym_sam7_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.707e+05 / 26
p0 1.896e−11 ± 3.222e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

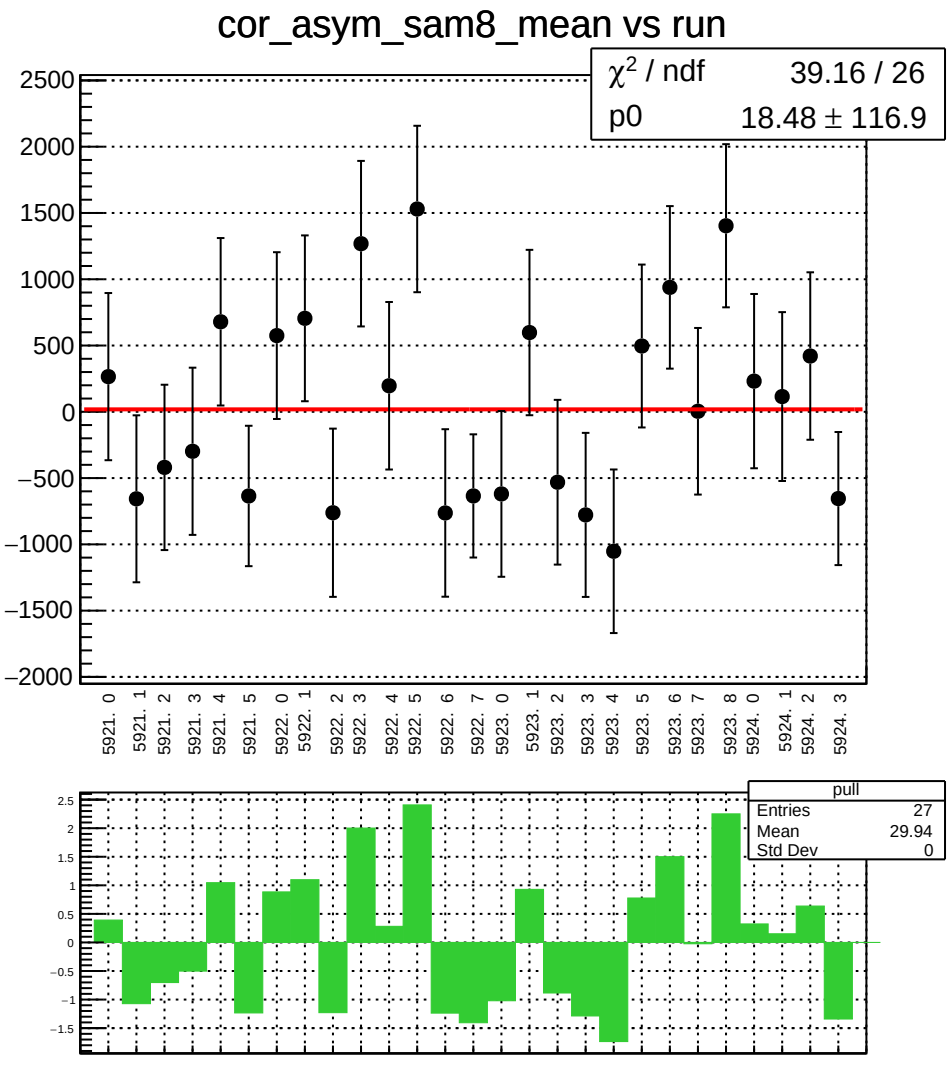

reg_asym_sam8_mean vs run
χ^2 / ndf 39.16 / 26
p0 18.48 ± 116.9
2500
2000
1500
1000
500
0
−500
−1000
−1500
−2000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 29.94
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

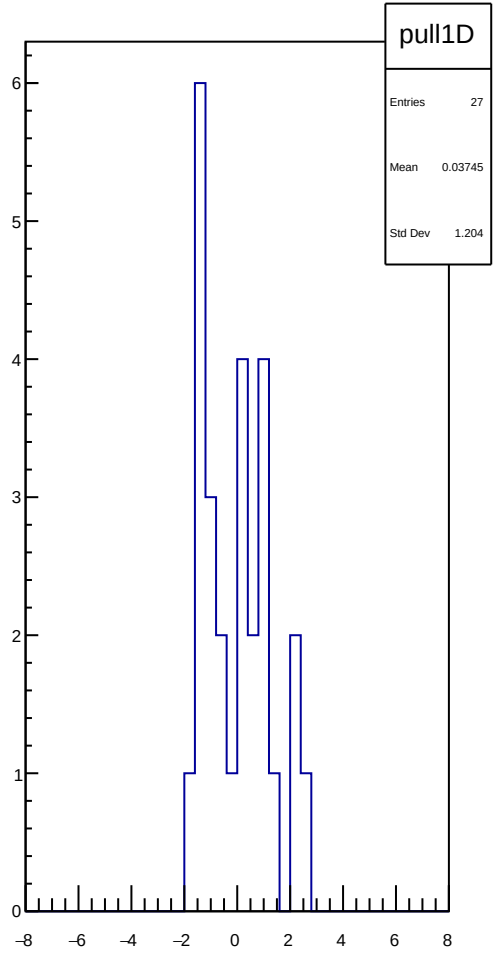

pull1D
Entries 27
Mean 0.03745
Std Dev 1.204
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

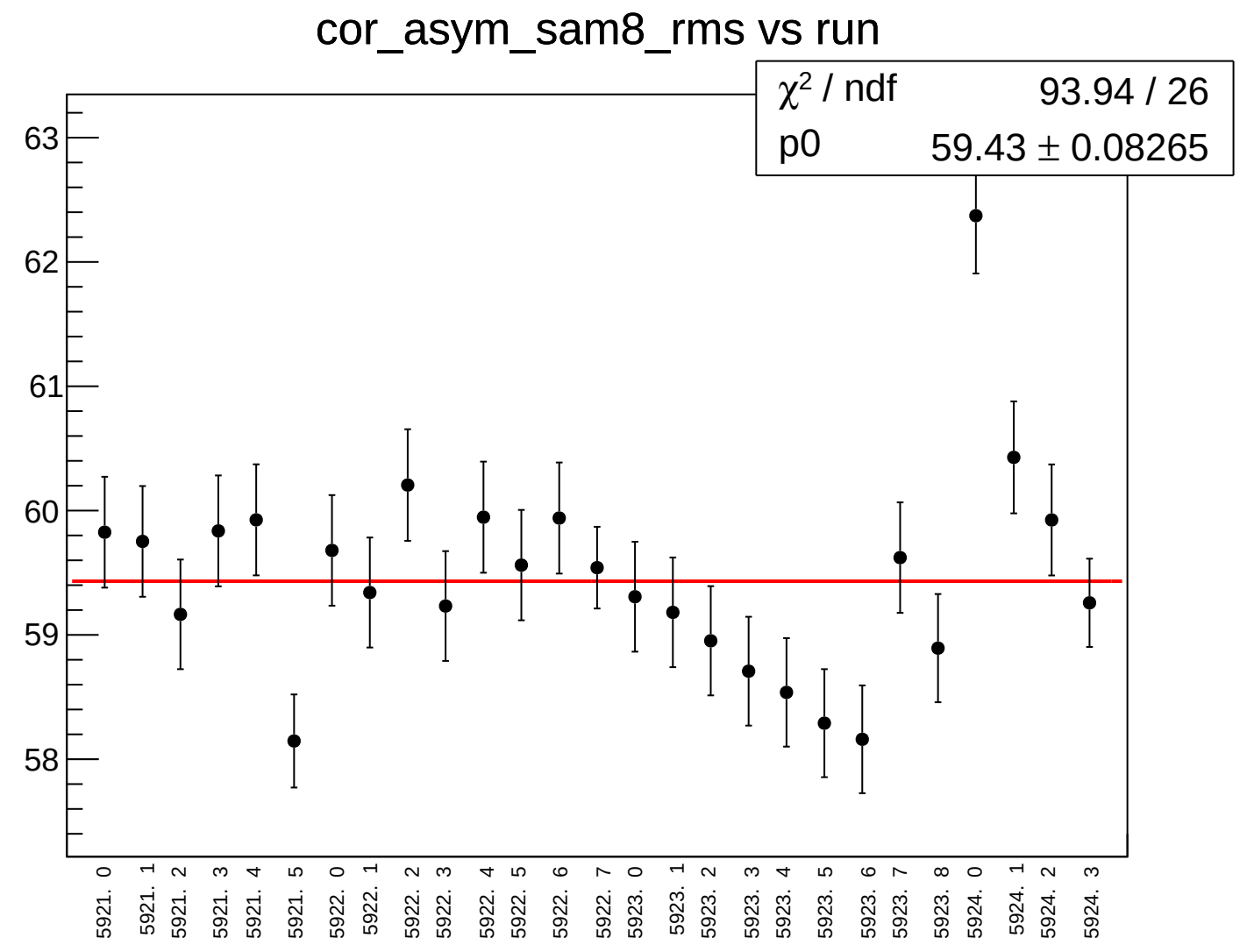

reg_asym_sam8_rms vs run
χ² / ndf 93.94 / 26
p0 59.43 ± 0.08265
63
62
61
60
59
58
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

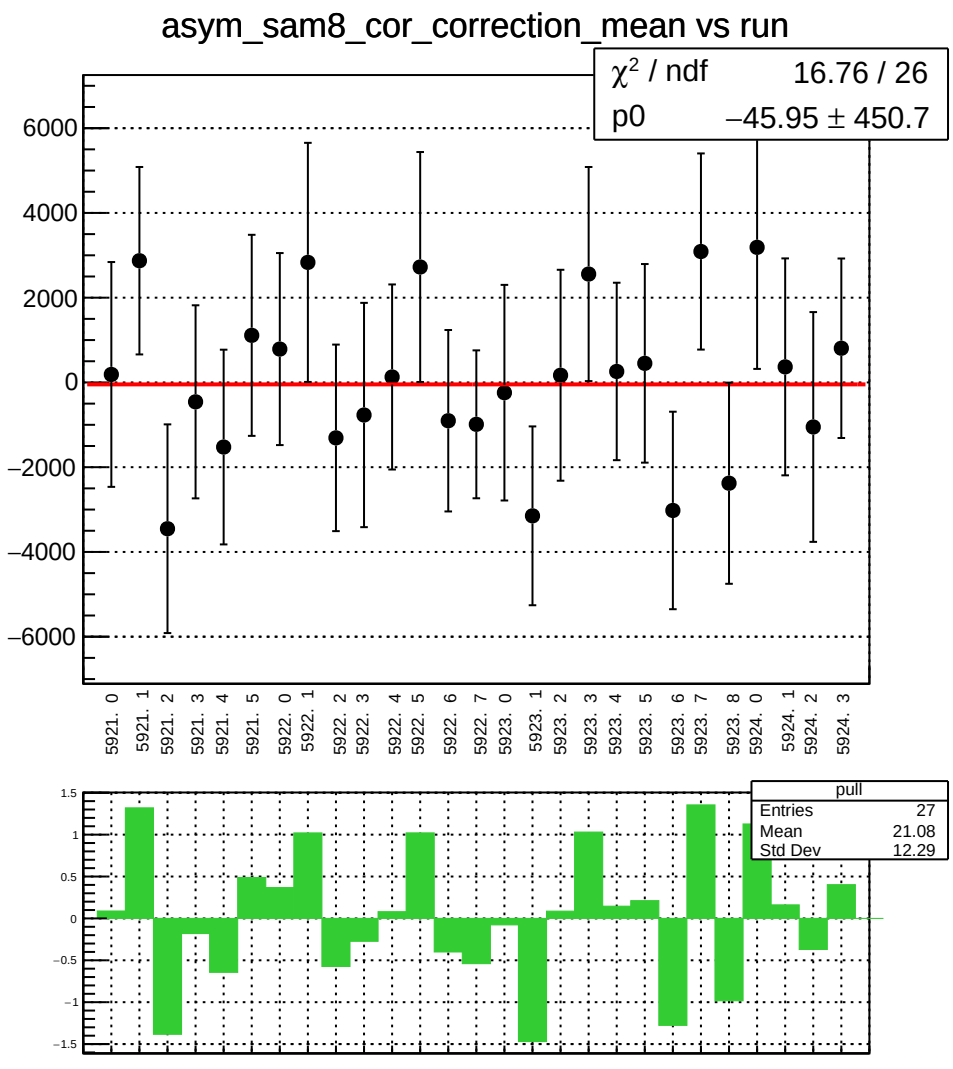

asym_sam8_reg_correction_mean vs run
χ² / ndf 16.76 / 26
p0 −45.96 ± 450.7
6000
4000
2000
0
−2000
−4000
−6000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 21.07
Std Dev 12.29
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.02721
Std Dev 0.7873
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

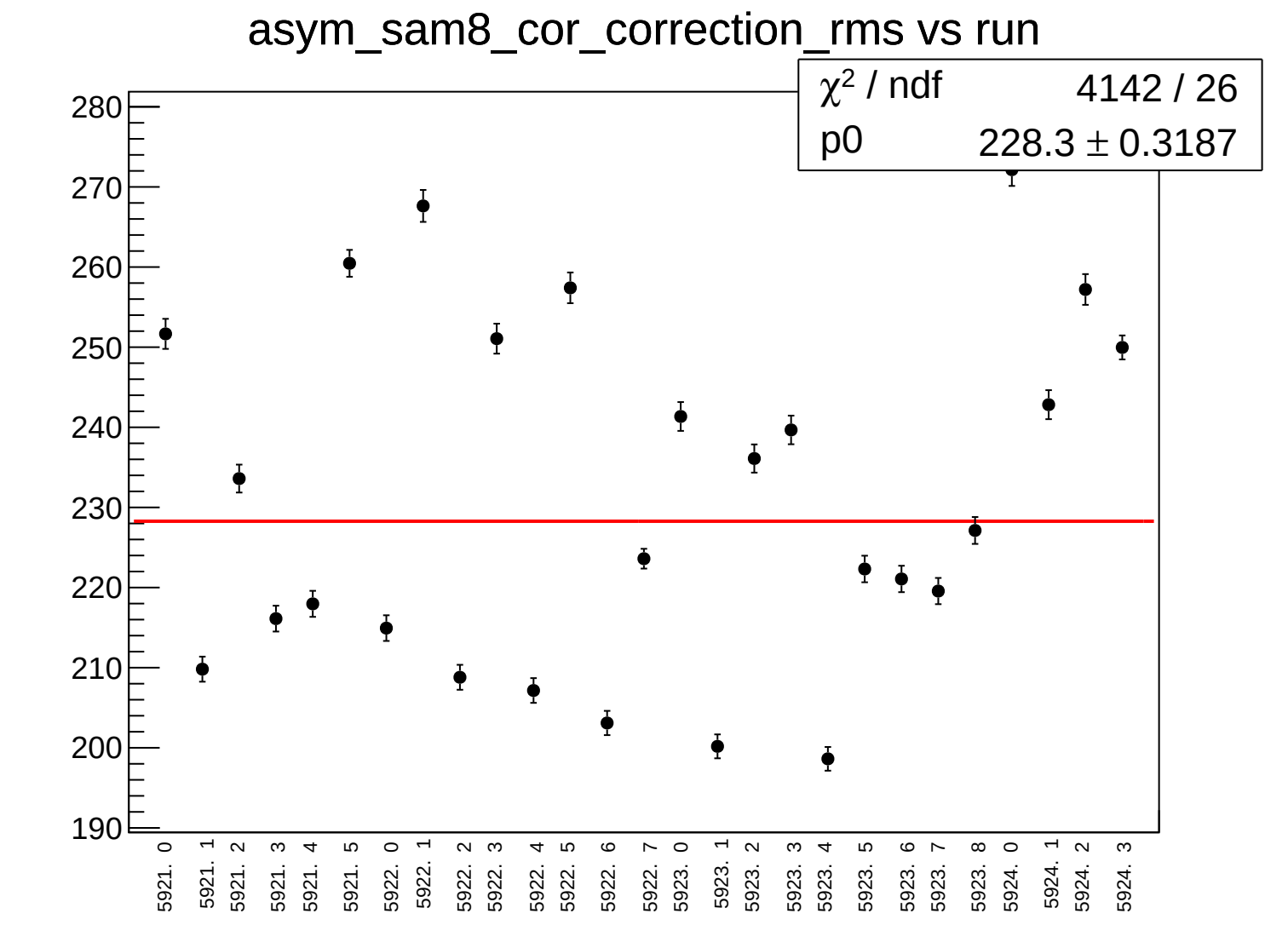

asym_sam8_reg_correction_rms vs run
χ² / ndf 4141 / 26
p0 228.3 ± 0.3187
280
270
260
250
240
230
220
210
200
190
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

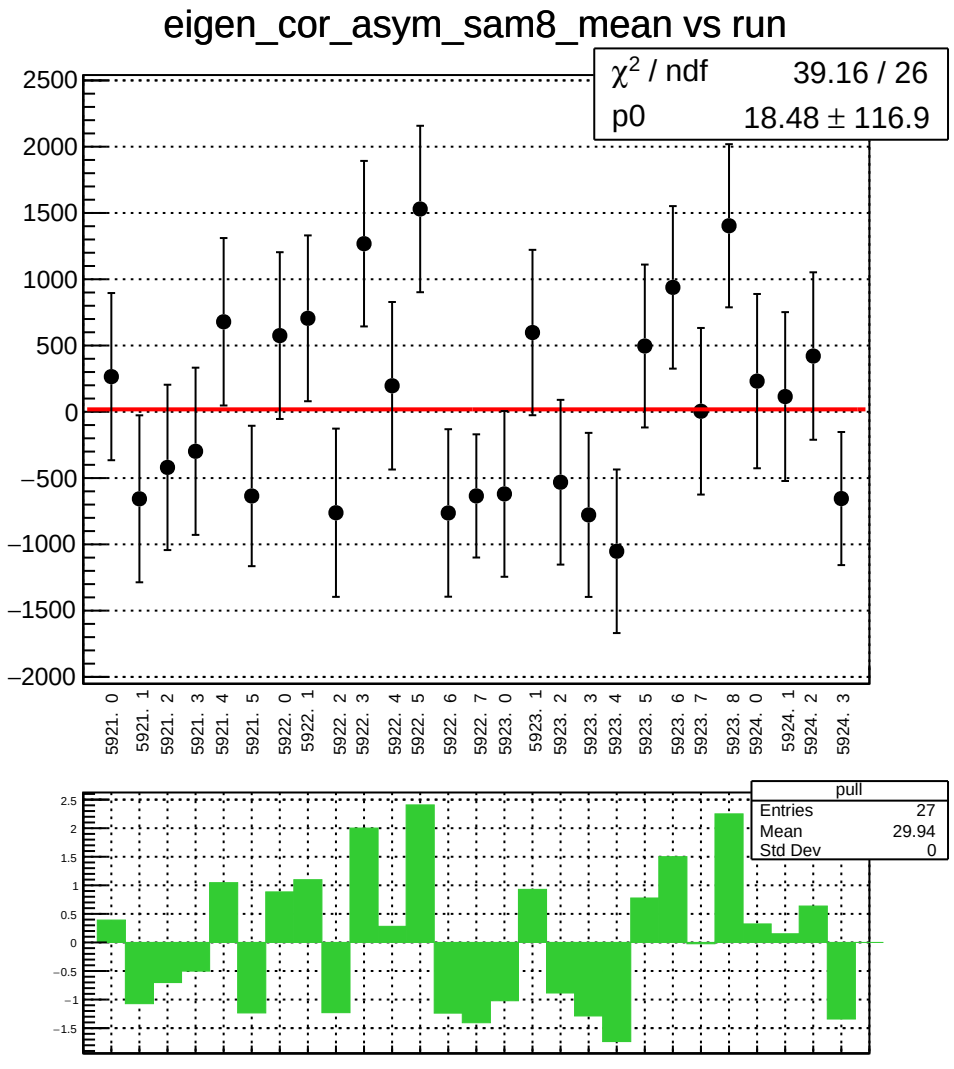

cor_asym_sam8_mean vs run
χ² / ndf 39.16 / 26
p0 18.48 ± 116.9
pull
Entries 27
Mean 29.94
Std Dev 0

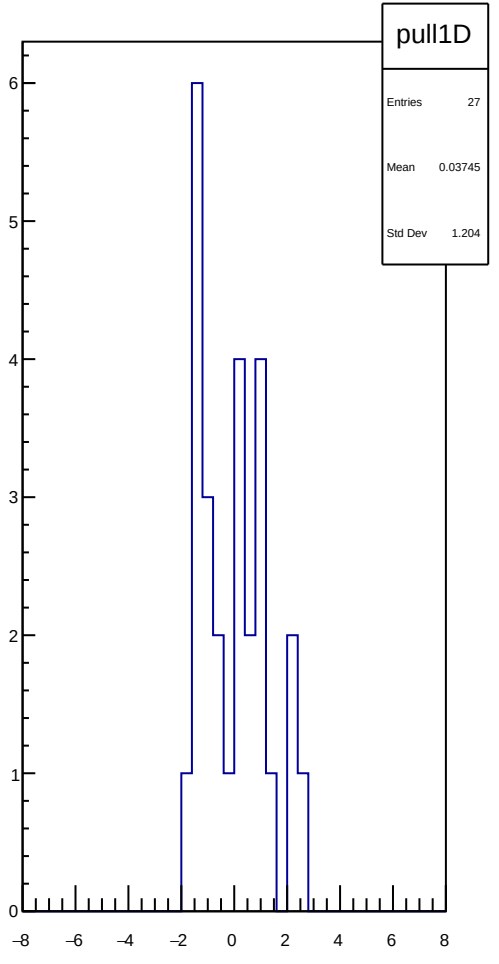

pull1D
Entries 27
Mean 0.03745
Std Dev 1.204

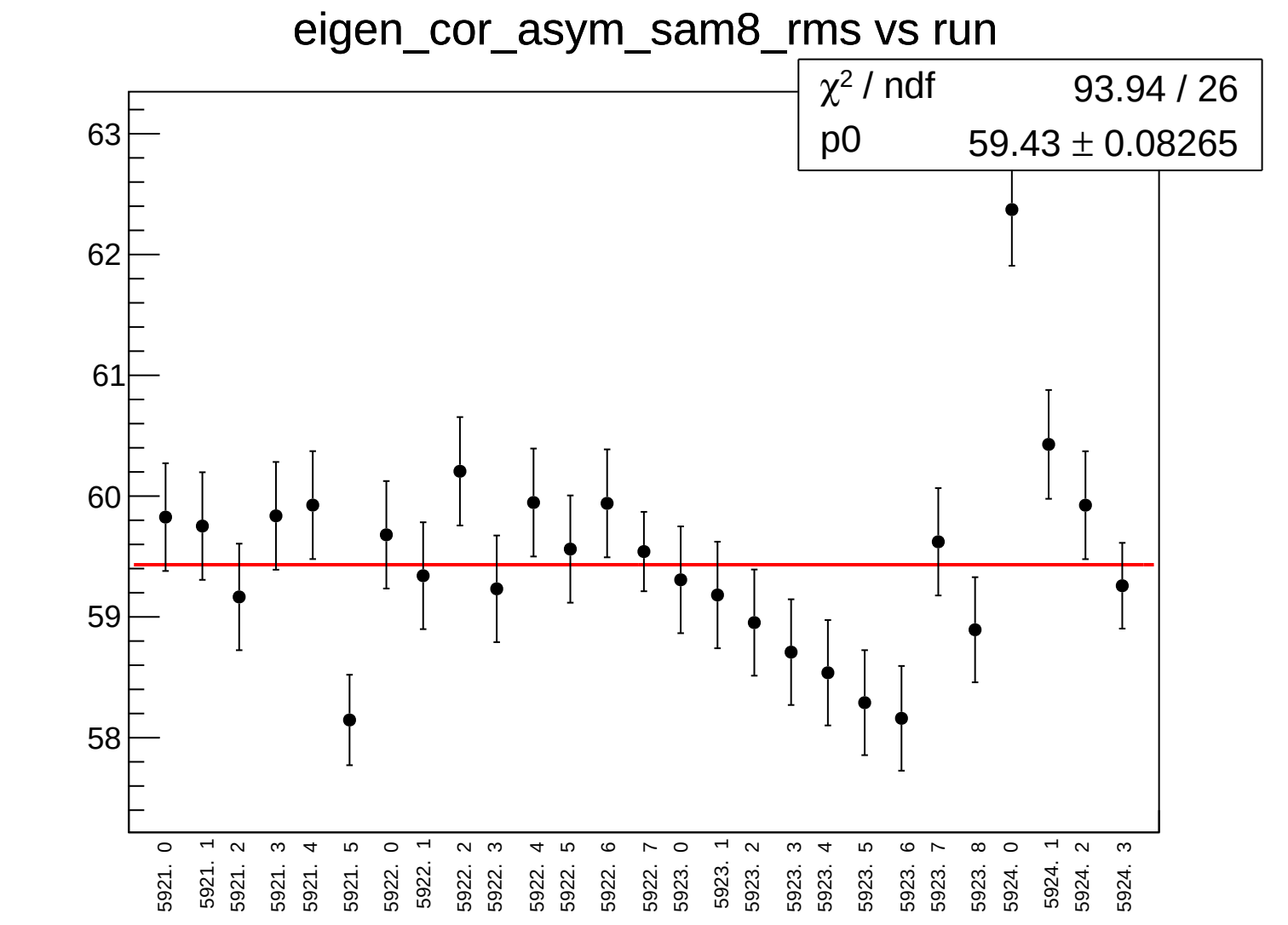

cor_asym_sam8_rms vs run
χ² / ndf 93.94 / 26
p0 59.43 ± 0.08265
63
62
61
60
59
58
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

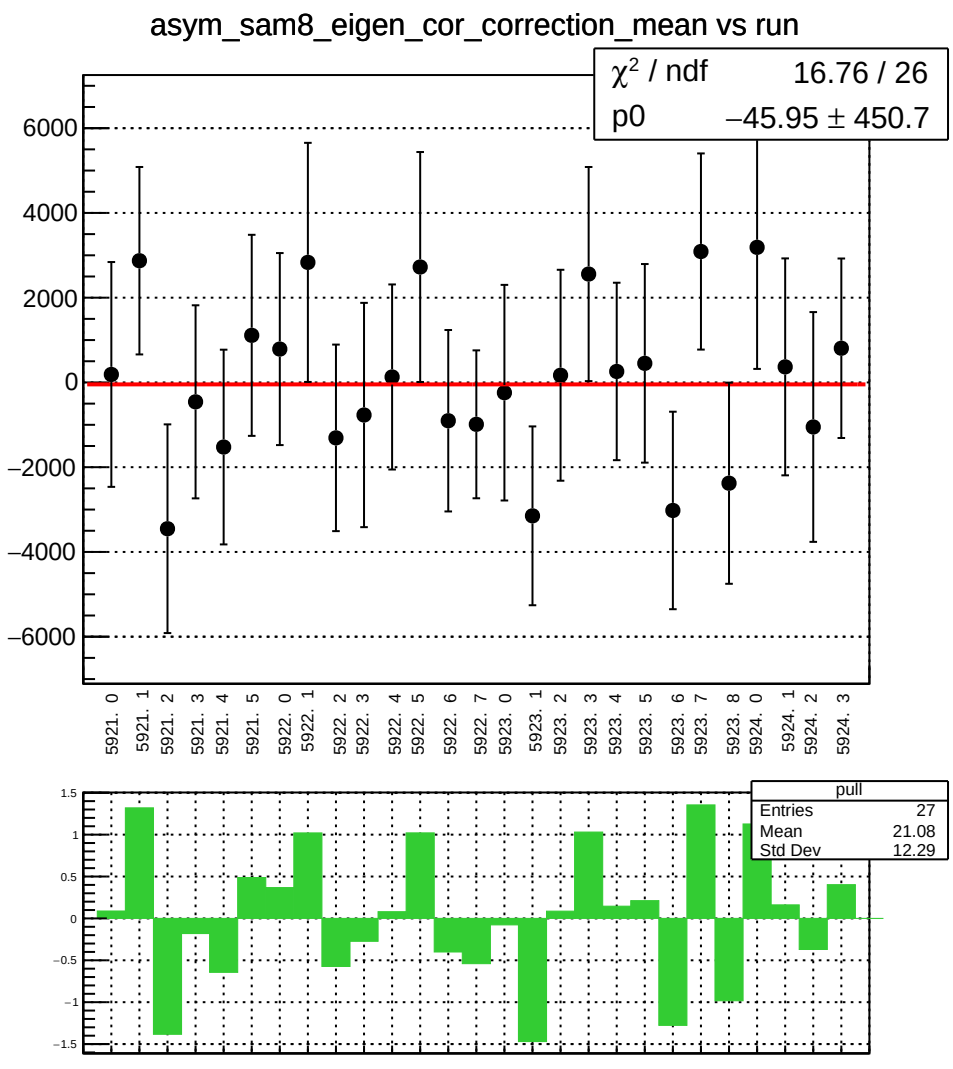

asym_sam8_cor_correction_mean vs run
χ² / ndf 16.76 / 26
p0 −45.95 ± 450.7
6000
4000
2000
0
−2000
−4000
−6000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 21.08
Std Dev 12.29
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.02721
Std Dev 0.7874
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

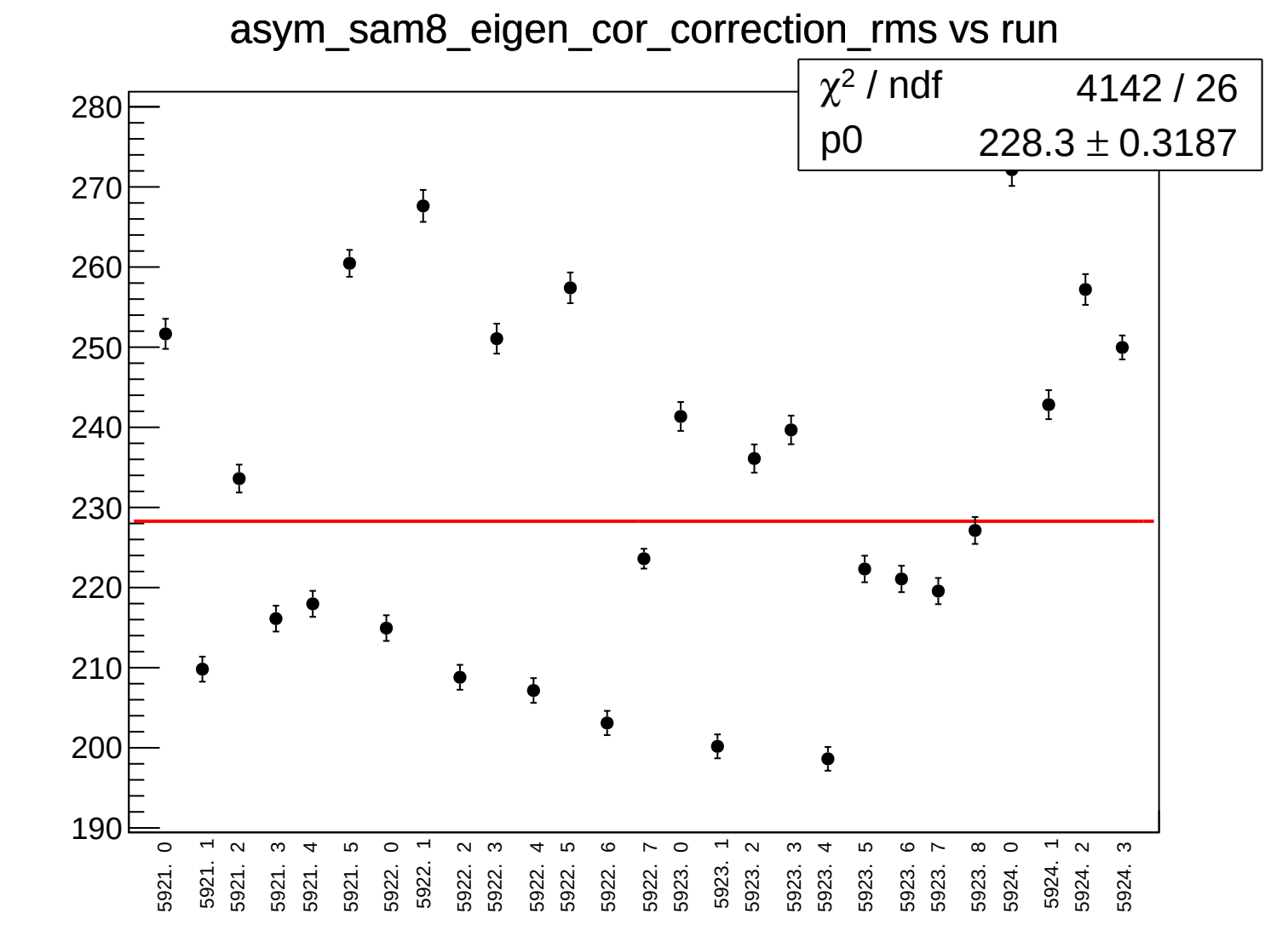

asym_sam8_cor_correction_rms vs run
χ² / ndf 4142 / 26
p0 228.3 ± 0.3187
280
270
260
250
240
230
220
210
200
190
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

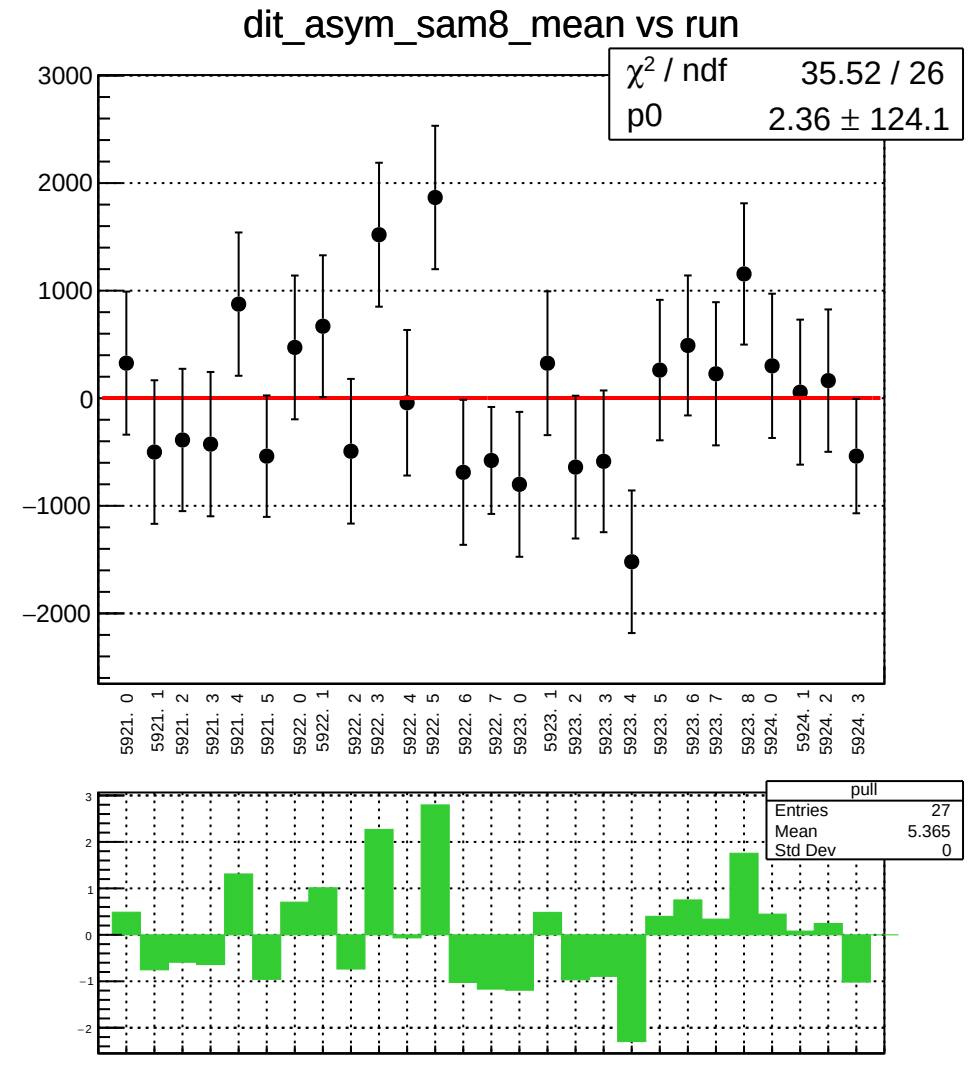

eigen_cor_asym_sam8_mean vs run
χ² / ndf 39.16 / 26
p0 18.48 ± 116.9
2500
2000
1500
1000
500
0
−500
−1000
−1500
−2000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 29.94
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

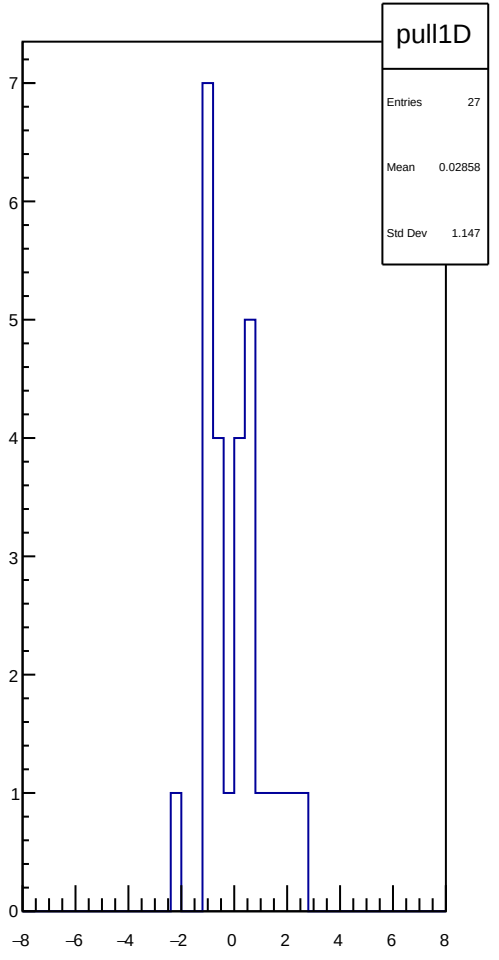

pull1D
Entries 27
Mean 0.03745
Std Dev 1.204
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

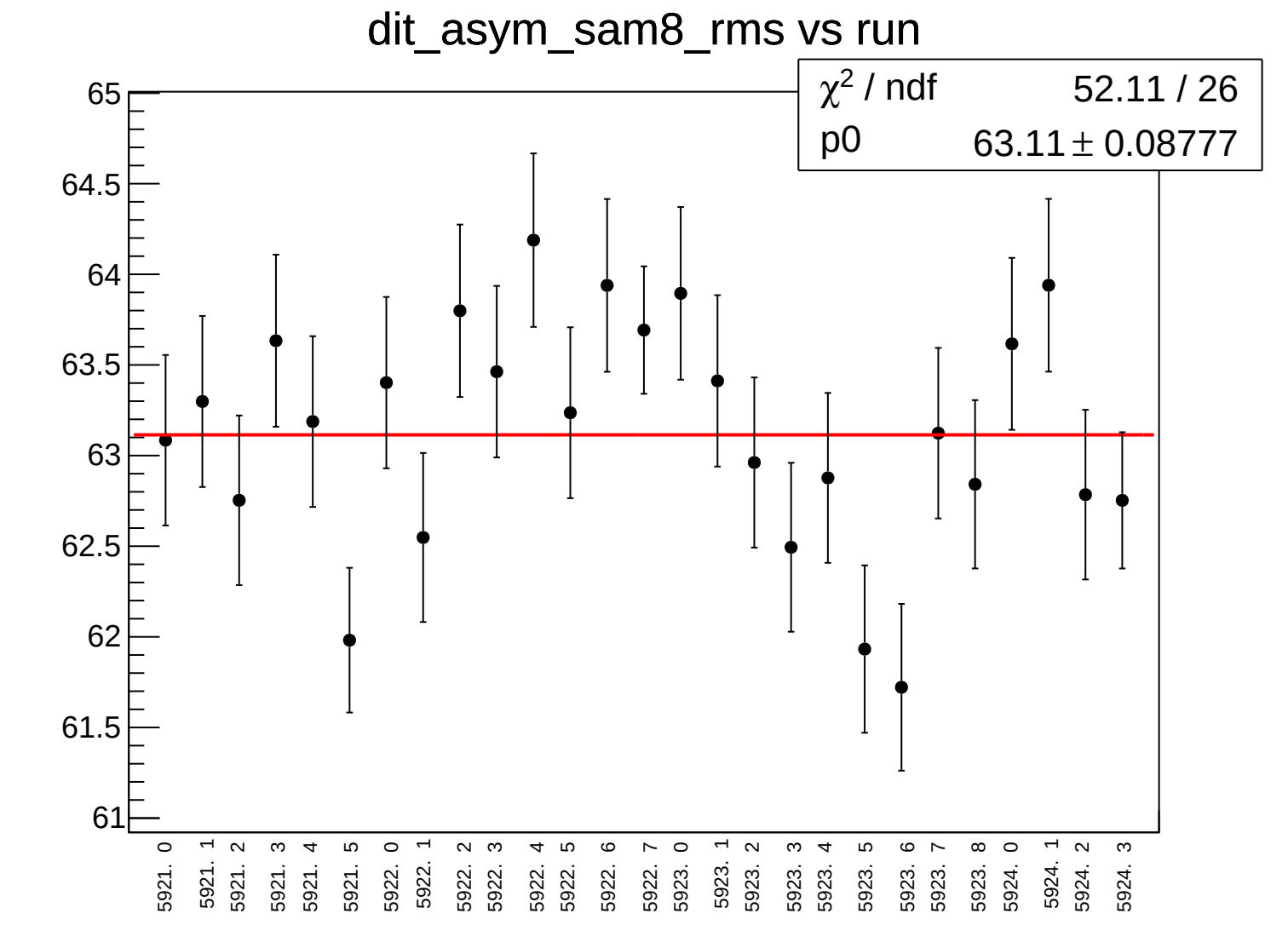

eigen_cor_asym_sam8_rms vs run
χ² / ndf 93.94 / 26
p0 59.43 ± 0.08265
63
62
61
60
59
58
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

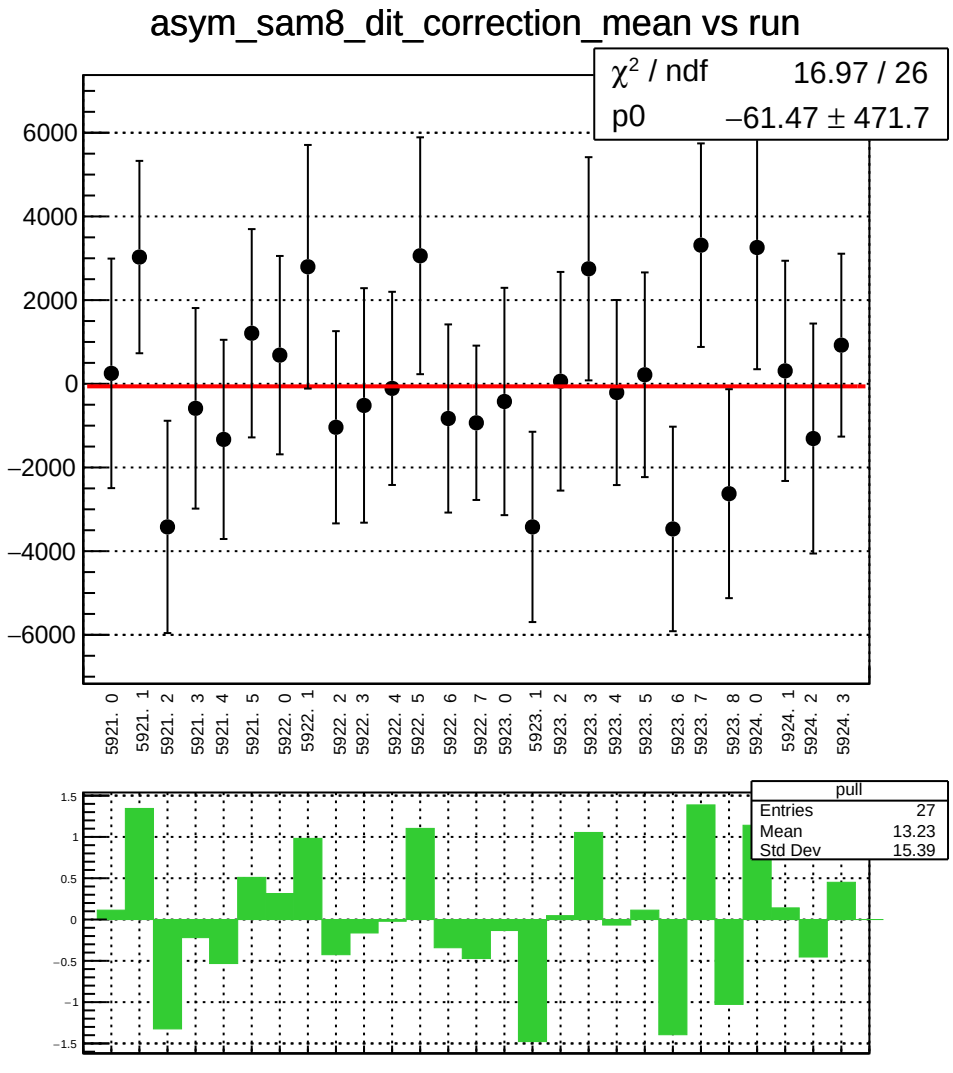

asym_sam8_eigen_cor_correction_mean vs run
χ² / ndf 16.76 / 26
p0 −45.95 ± 450.7
6000
4000
2000
0
−2000
−4000
−6000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 21.08
Std Dev 12.29
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.02721
Std Dev 0.7874
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

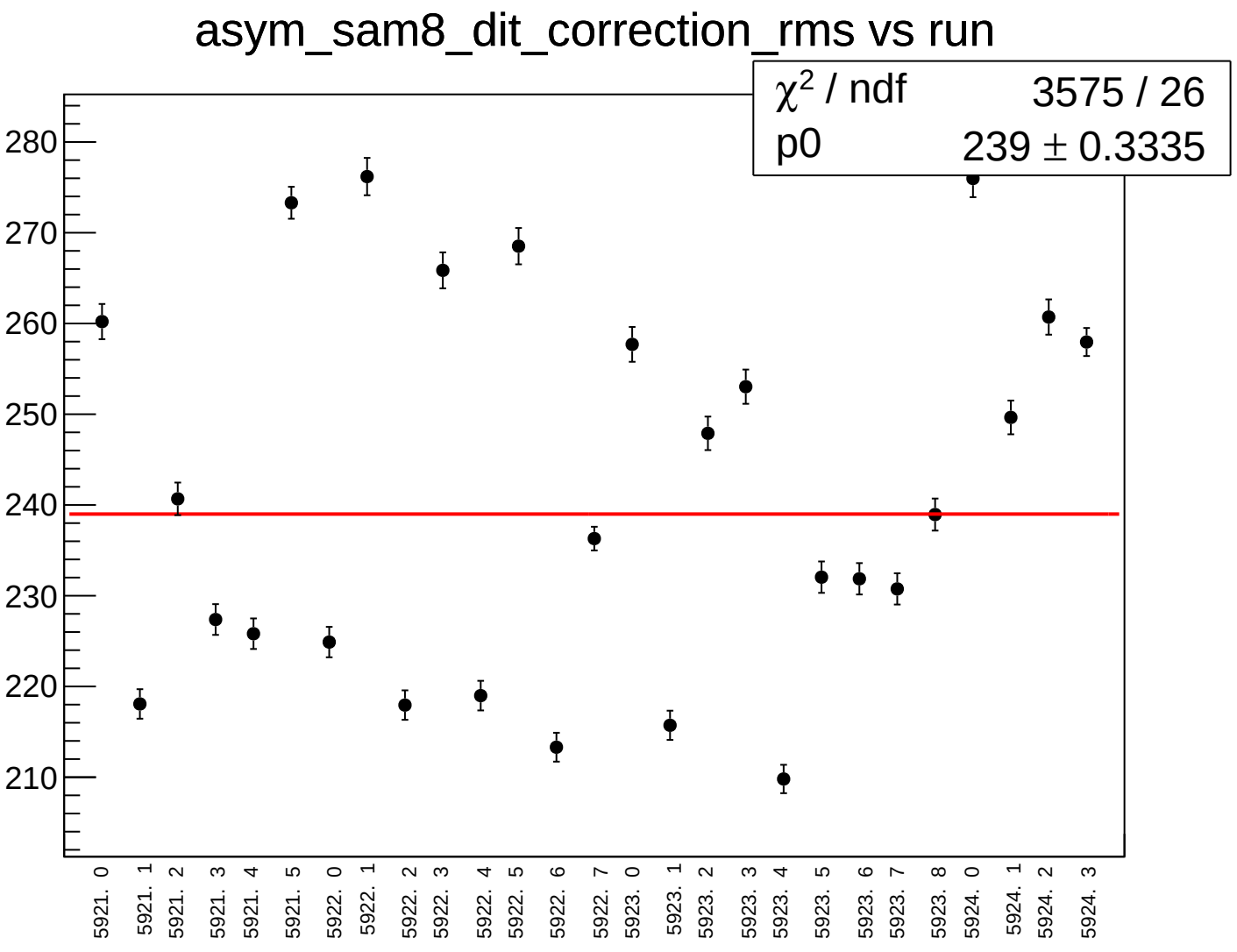

asym_sam8_eigen_cor_correction_rms vs run
χ² / ndf 4142 / 26
p0 228.3 ± 0.3187
280
270
260
250
240
230
220
210
200
190
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

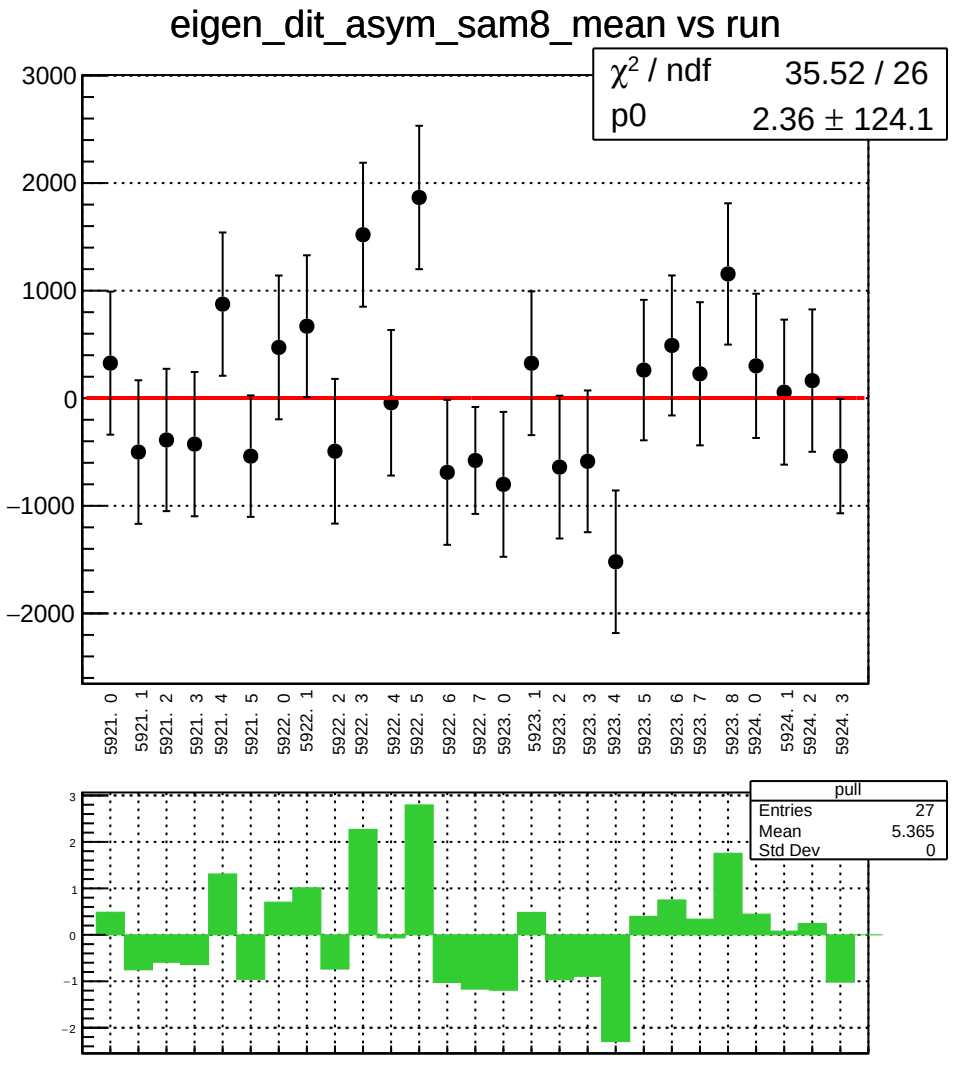

dit_asym_sam8_mean vs run
χ² / ndf 35.52 / 26
p0 2.36 ± 124.1
3000
2000
1000
0
−1000
−2000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 5.365
Std Dev 0
3
2
1
0
−1
−2

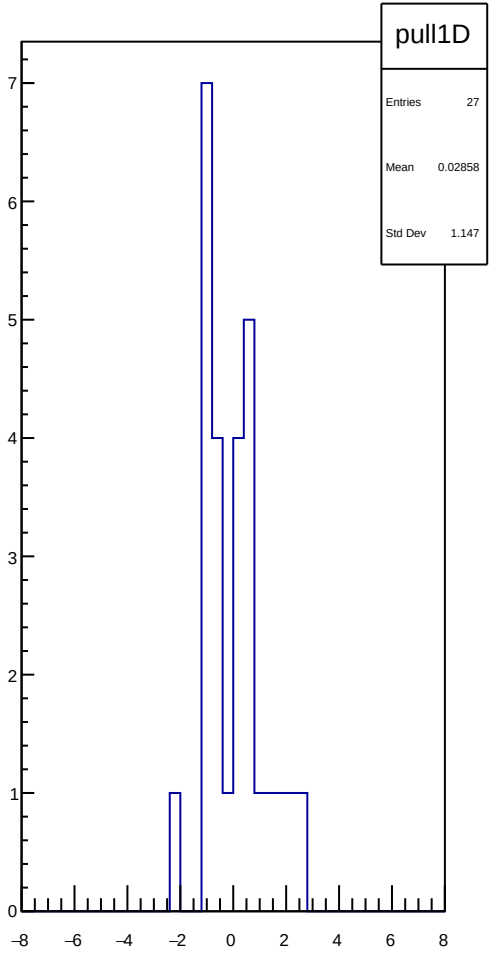

pull1D
Entries 27
Mean 0.02858
Std Dev 1.147
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

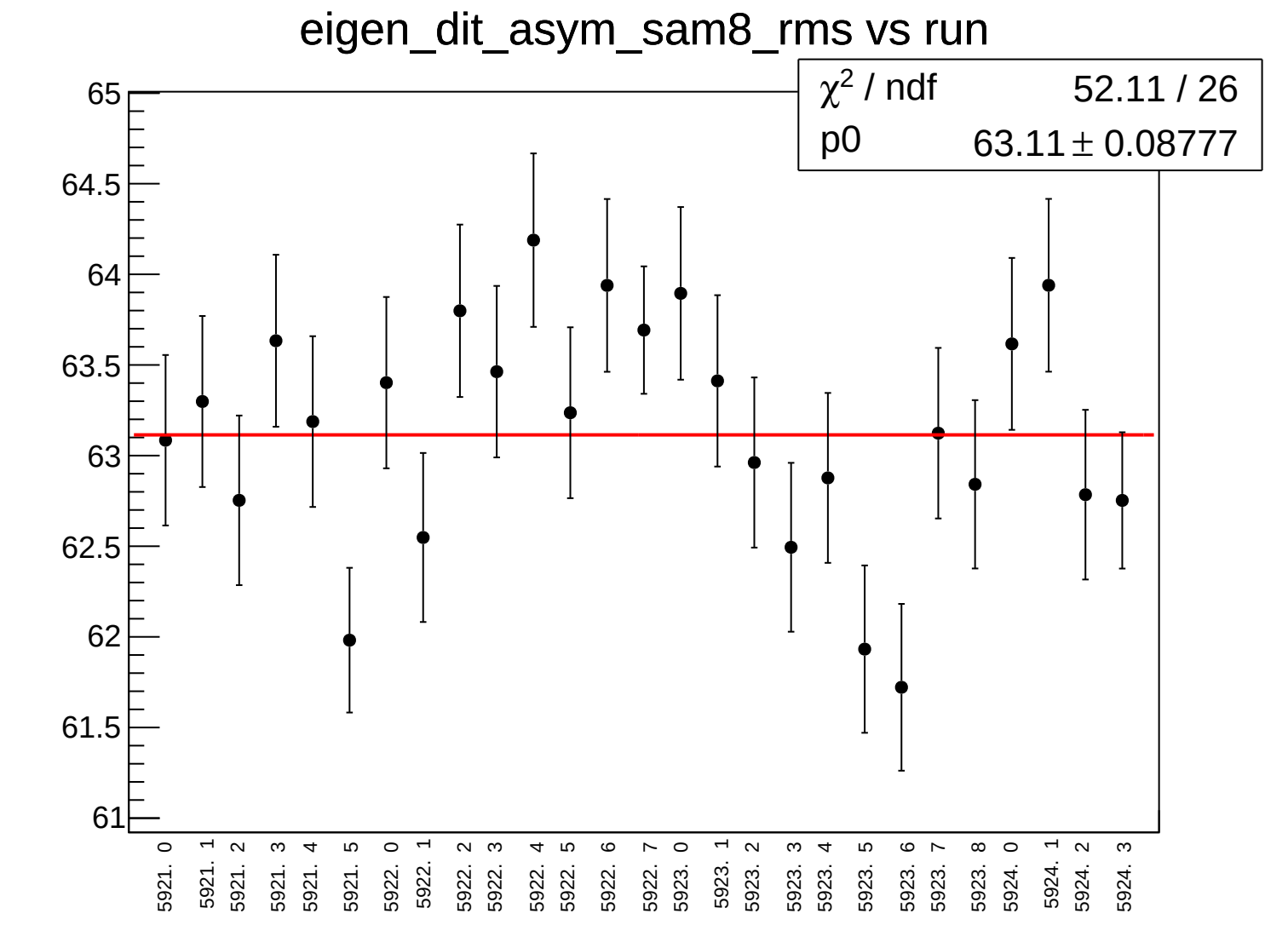

dit_asym_sam8_rms vs run
χ² / ndf 52.11 / 26
p0 63.11 ± 0.08777
65
64.5
64
63.5
63
62.5
62
61.5
61
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

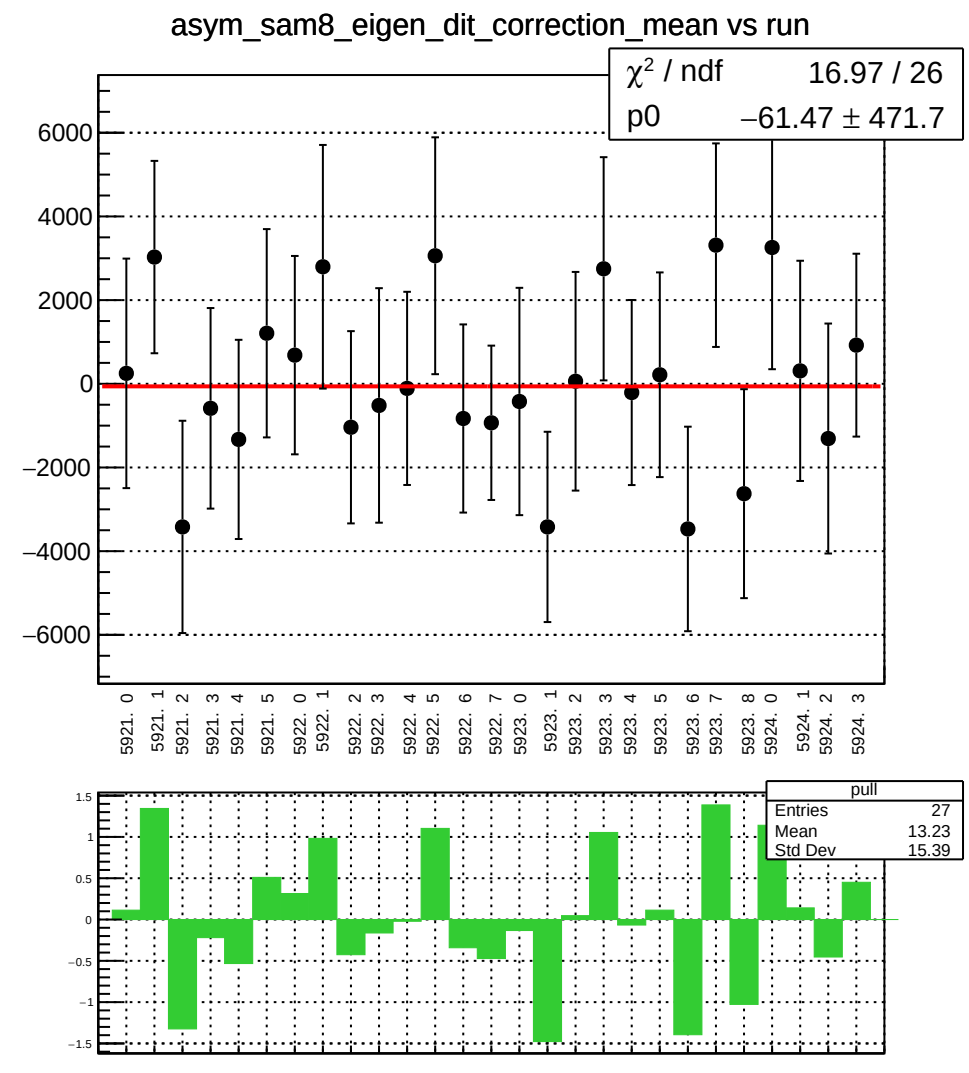

asym_sam8_dit_correction_mean vs run
χ² / ndf 16.97 / 26
p0 −61.47 ± 471.7
6000
4000
2000
0
−2000
−4000
−6000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 13.23
Std Dev 15.39
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.02414
Std Dev 0.7925
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

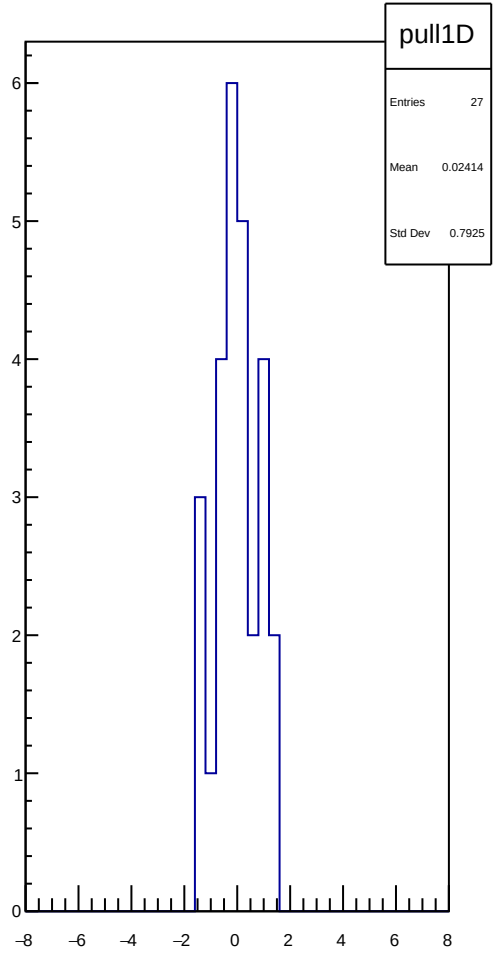

asym_sam8_dit_correction_rms vs run
χ^2 / ndf 3575 / 26
p0 239 ± 0.3335
280
270
260
250
240
230
220
210
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

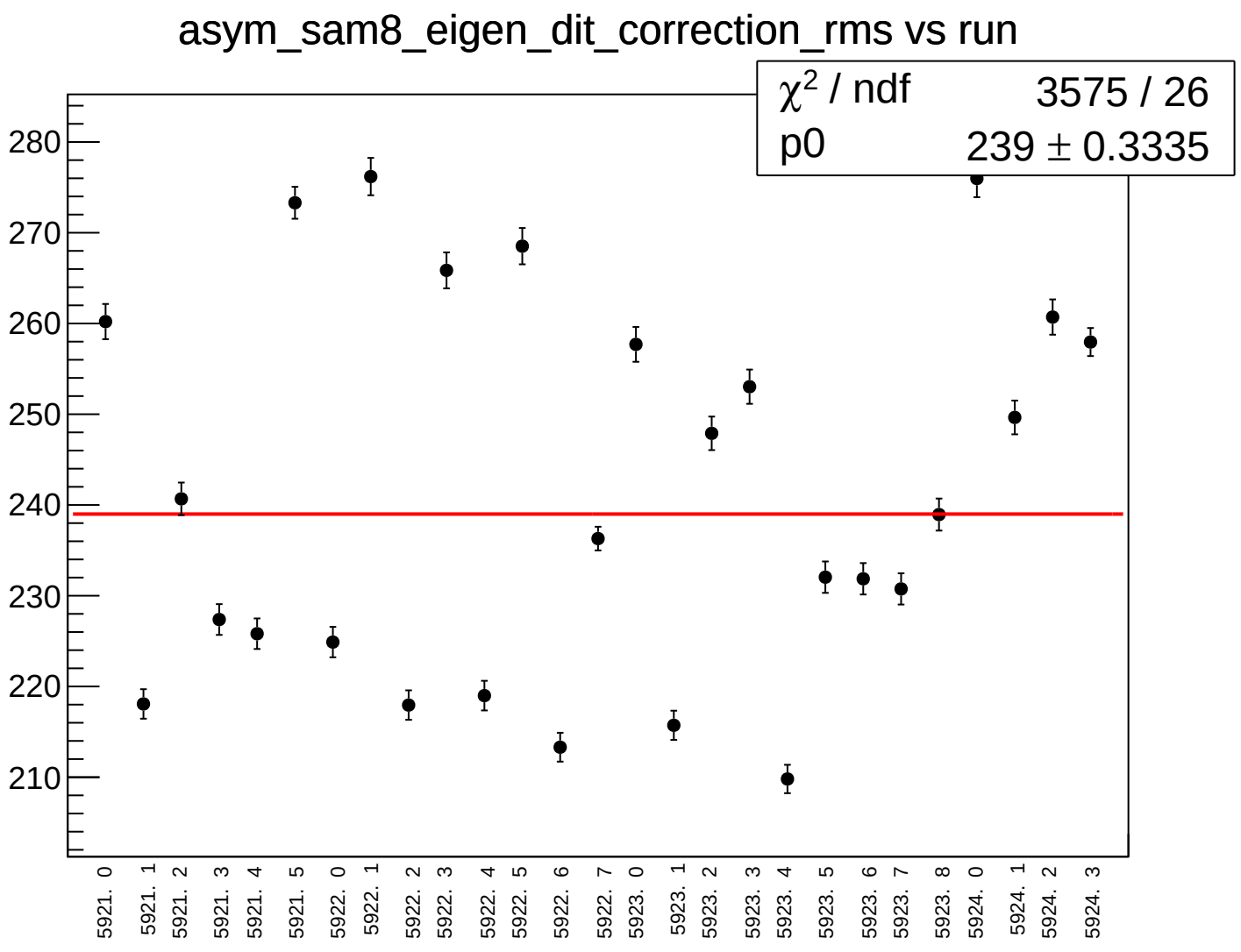

eigen_dit_asym_sam8_mean vs run
χ² / ndf 35.52 / 26
p0 2.36 ± 124.1
3000
2000
1000
0
−1000
−2000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 5.365
Std Dev 0
3
2
1
0
−1
−2

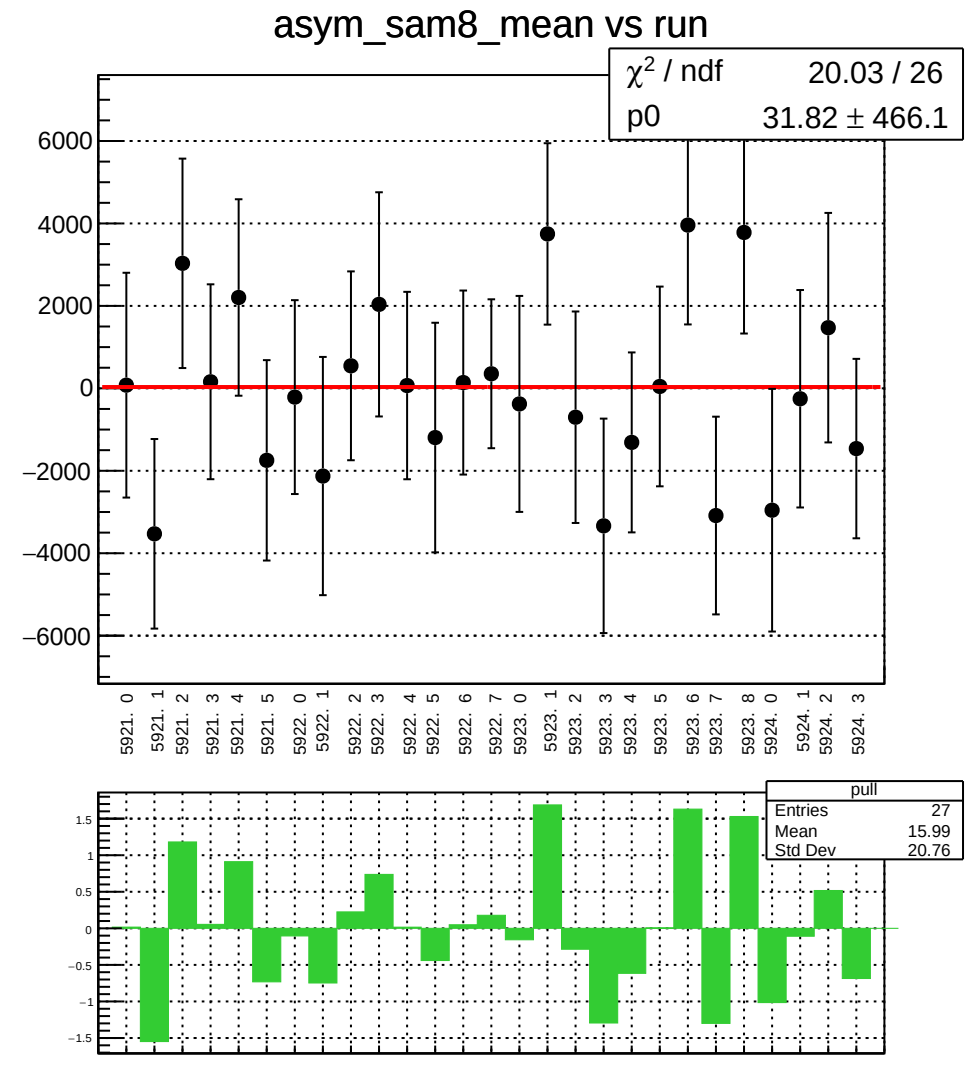

pull1D
Entries 27
Mean 0.02858
Std Dev 1.147
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

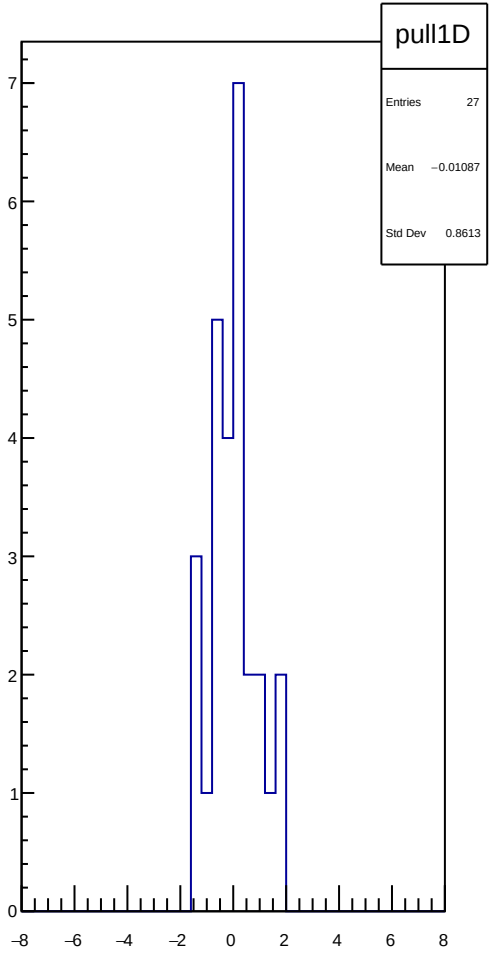

eigen_dit_asym_sam8_rms vs run
χ² / ndf 52.11 / 26
p0 63.11 ± 0.08777
65
64.5
64
63.5
63
62.5
62
61.5
61
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

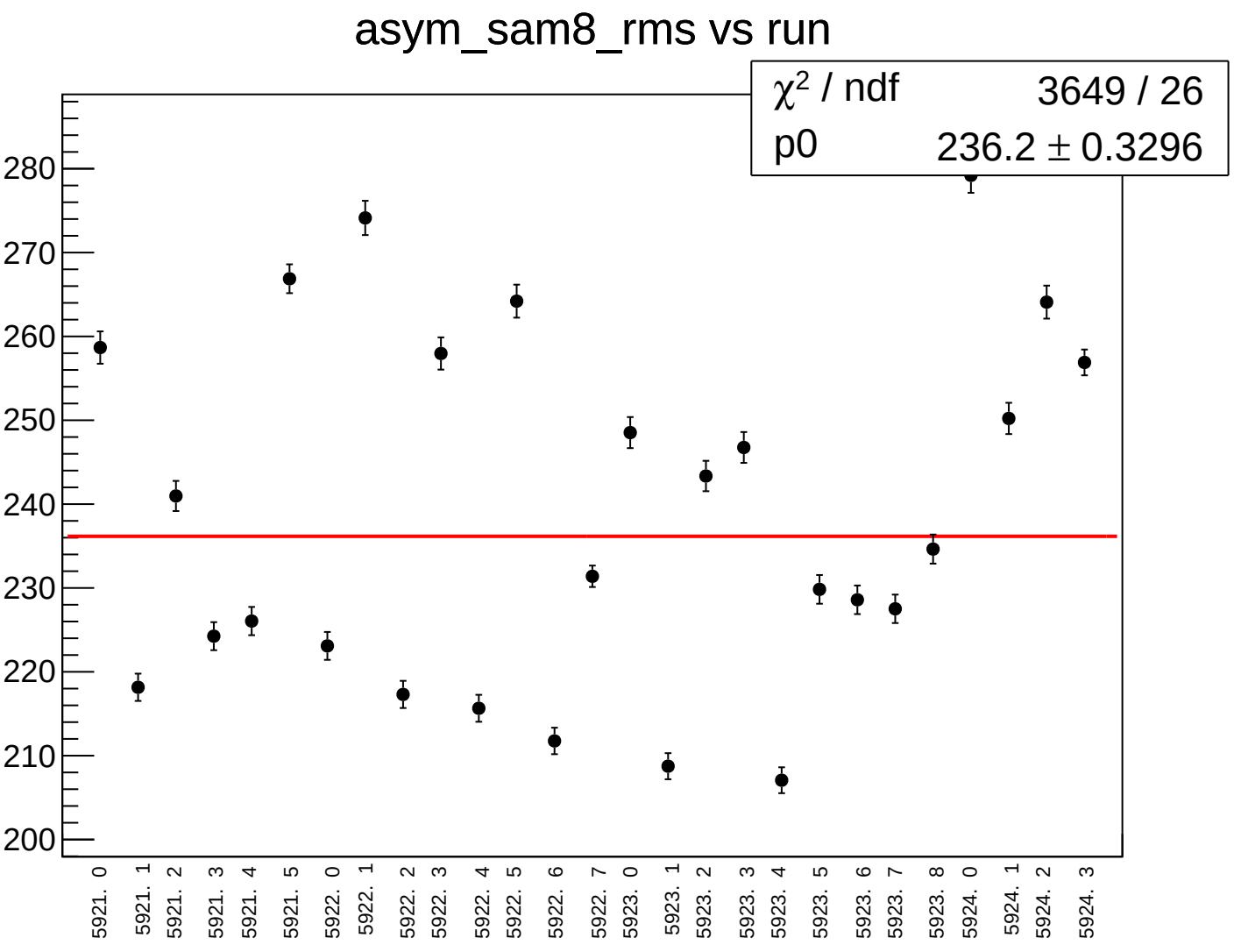

asym_sam8_eigen_dit_correction_mean vs run
χ² / ndf 16.97 / 26
p0 −61.47 ± 471.7
6000
4000
2000
0
−2000
−4000
−6000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 13.23
Std Dev 15.39
1.5
1
0.5
0
−0.5
−1
−1.5

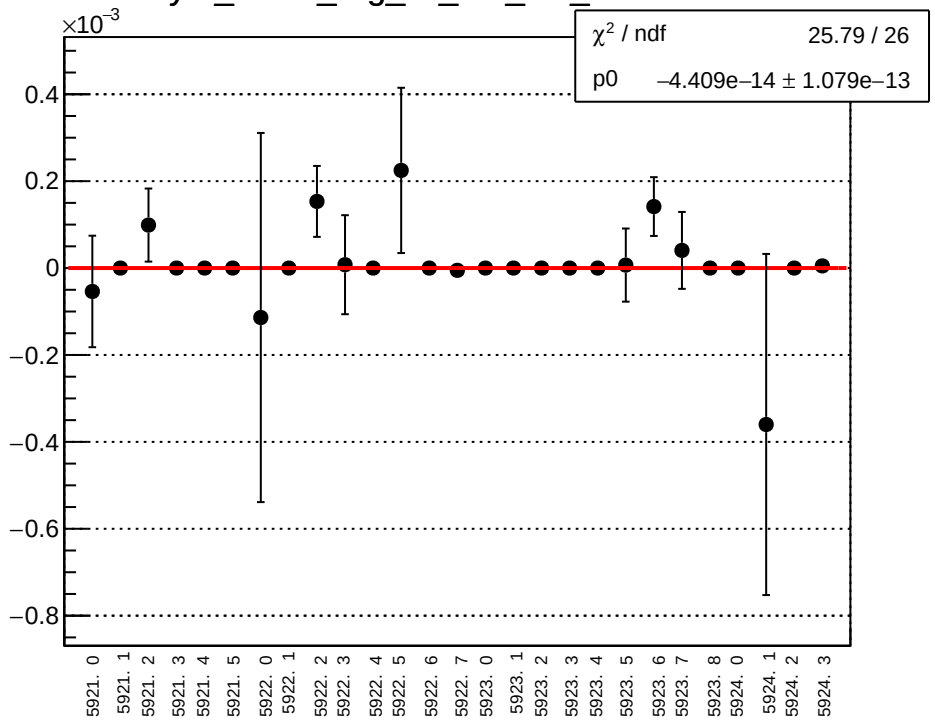

pull1D
Entries 27
Mean 0.02414
Std Dev 0.7925
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

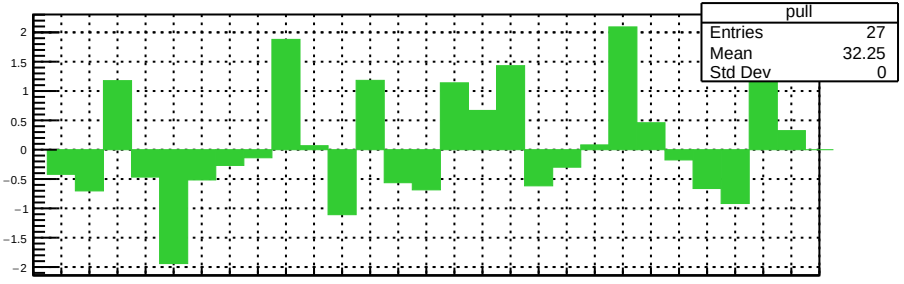

asym_sam8_eigen_dit_correction_rms vs run
χ² / ndf 3575 / 26
p0 239 ± 0.3335
280
270
260
250
240
230
220
210
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

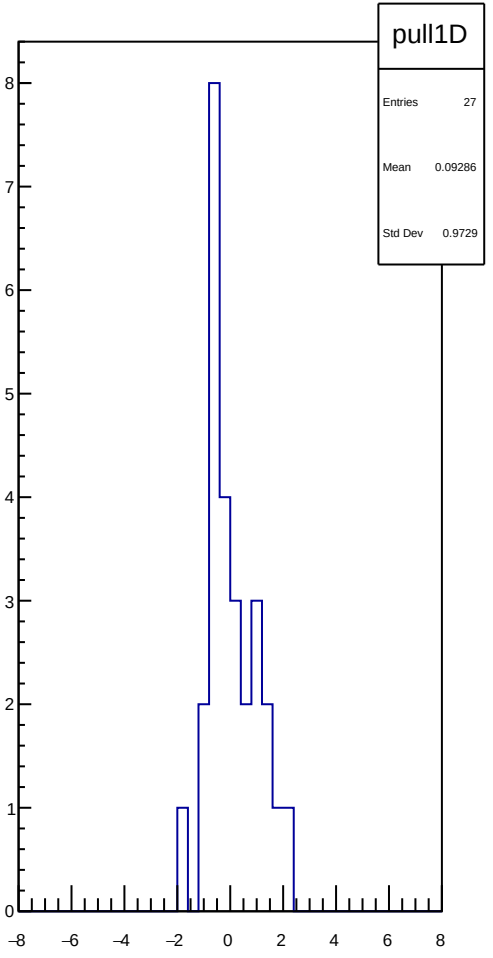

asym_sam8_mean vs run
χ² / ndf 20.03 / 26
p0 31.82 ± 466.1
6000
4000
2000
0
−2000
−4000
−6000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 15.99
Std Dev 20.76
1.5
1
0.5
0
−0.5
−1
−1.5

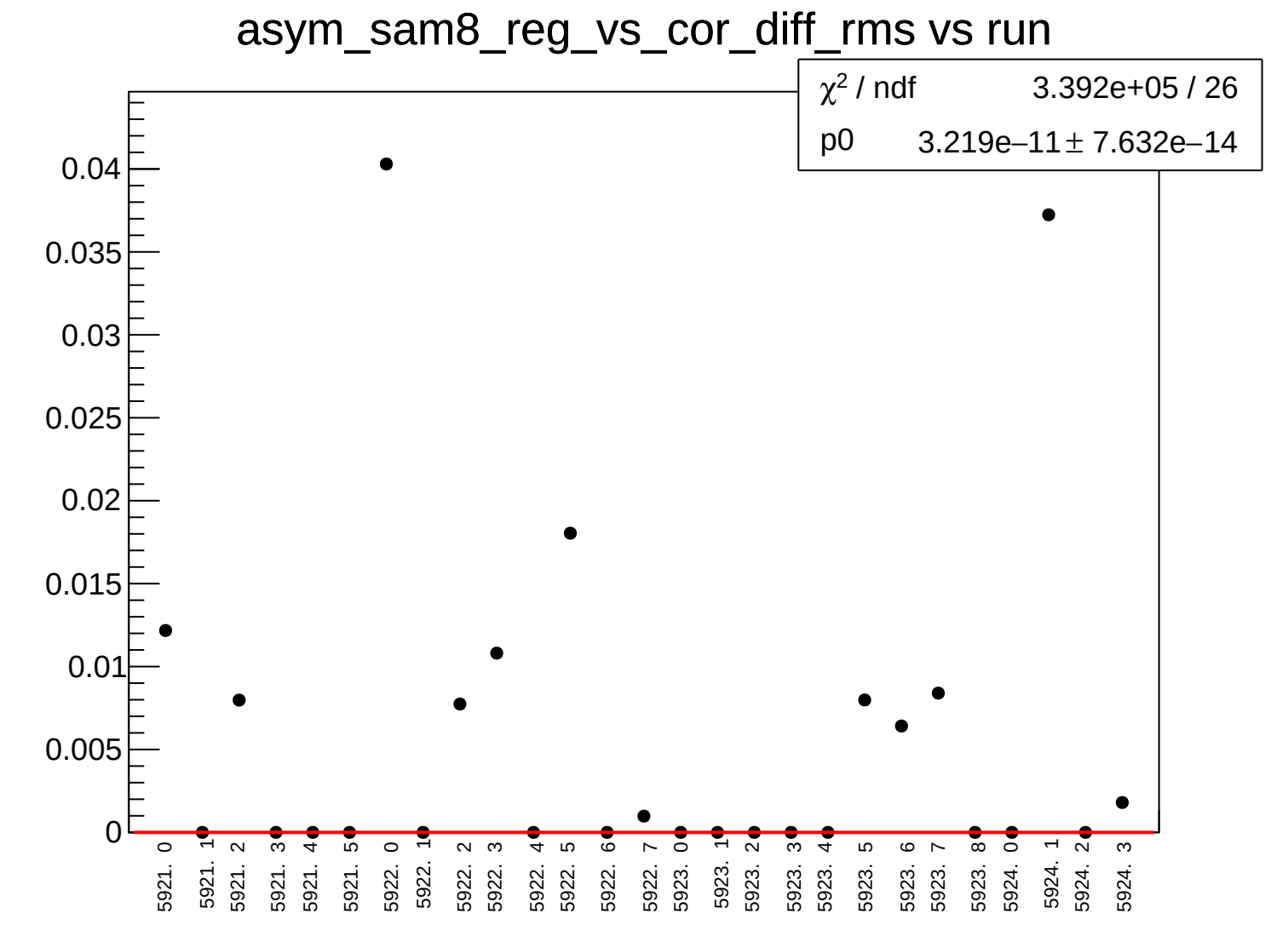

pull1D
Entries 27
Mean −0.01087
Std Dev 0.8613
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

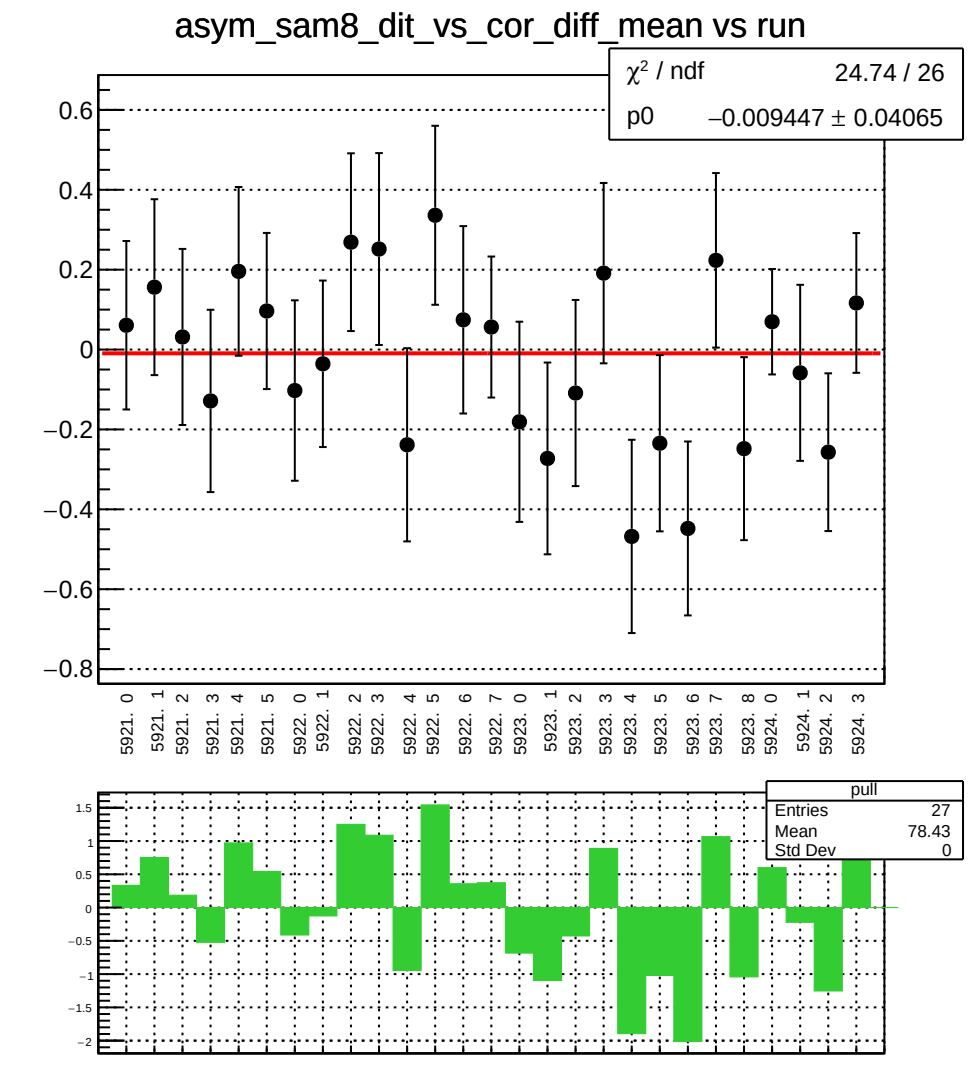

asym_sam8_rms vs run
χ^2 / ndf 3649 / 26
p0 236.2 ± 0.3296
280
270
260
250
240
230
220
210
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

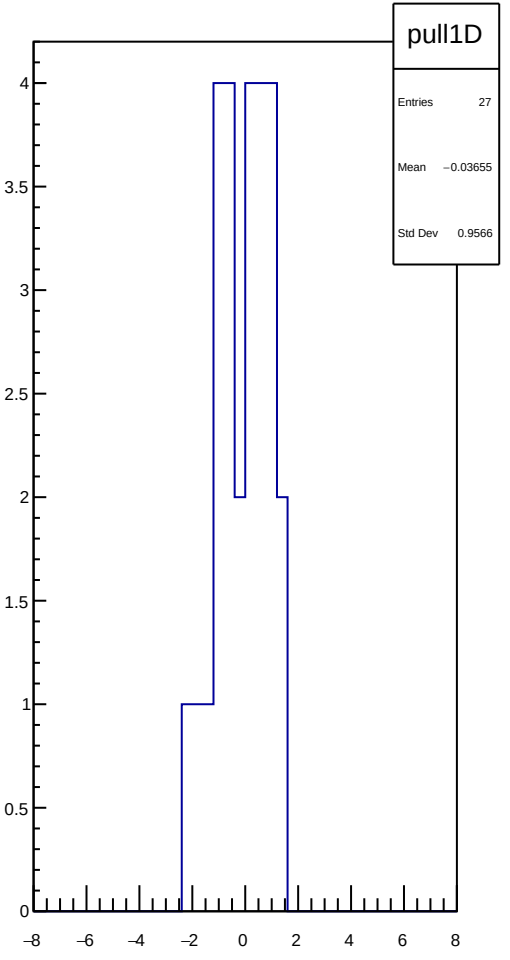

asym_sam8_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 25.79 / 26
p0 −4.409e−14 ± 1.079e−13
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

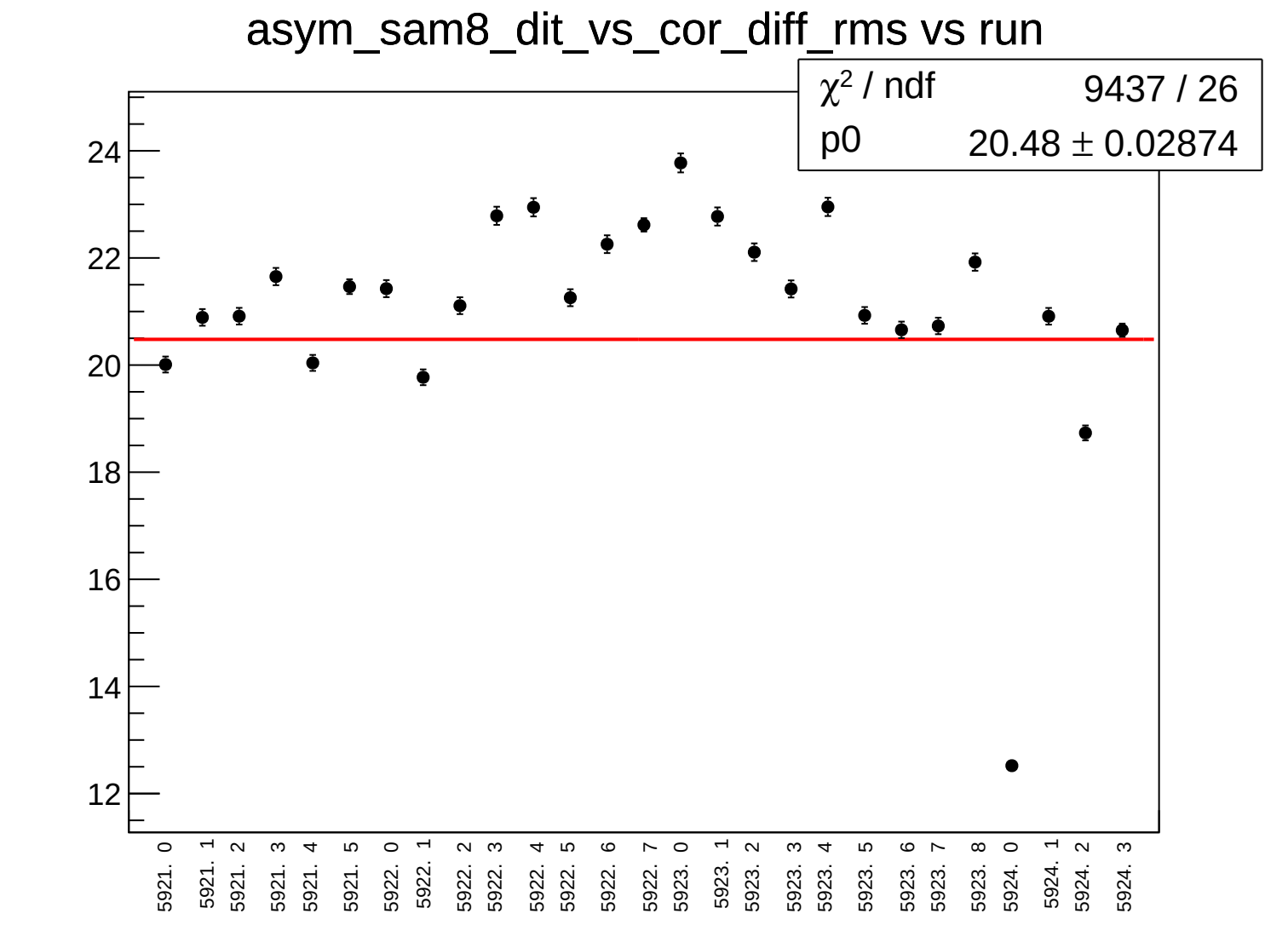

pull
Entries 27
Mean 32.25
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

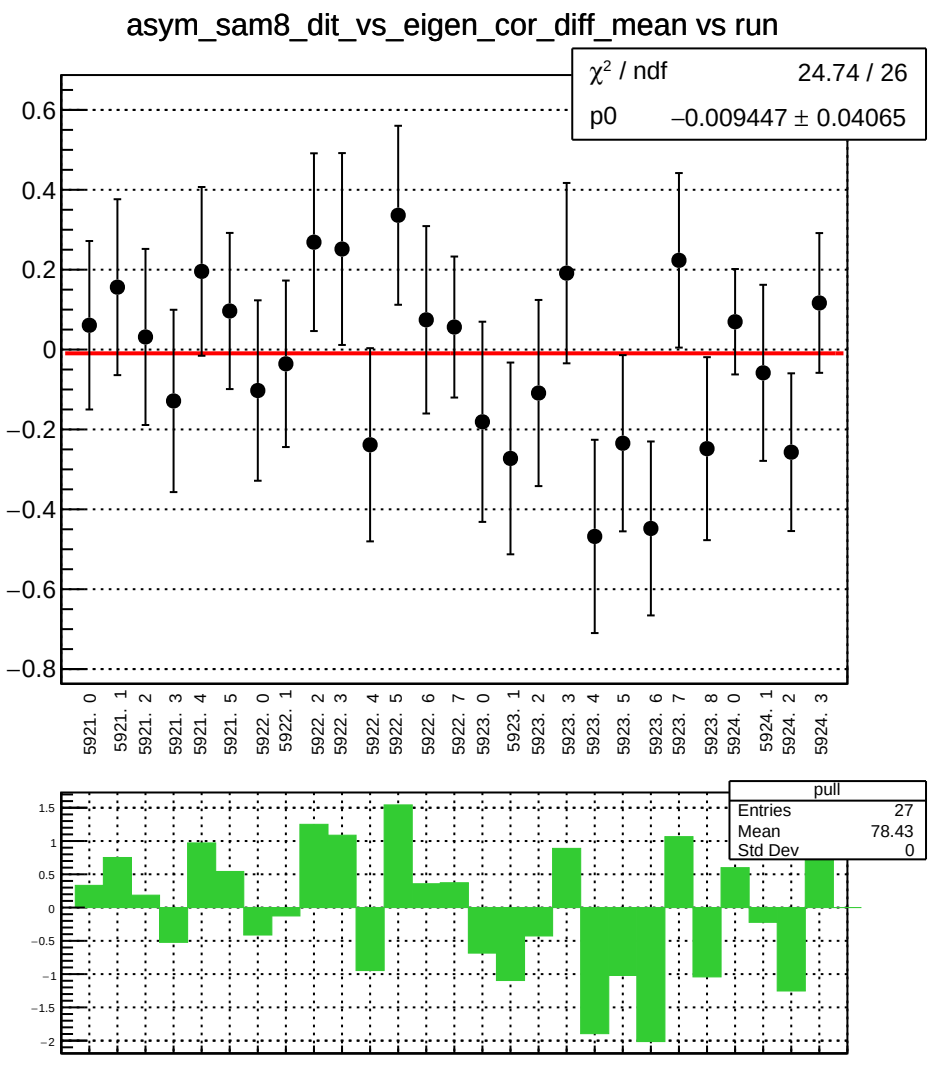

pull1D
Entries 27
Mean 0.09286
Std Dev 0.9729
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

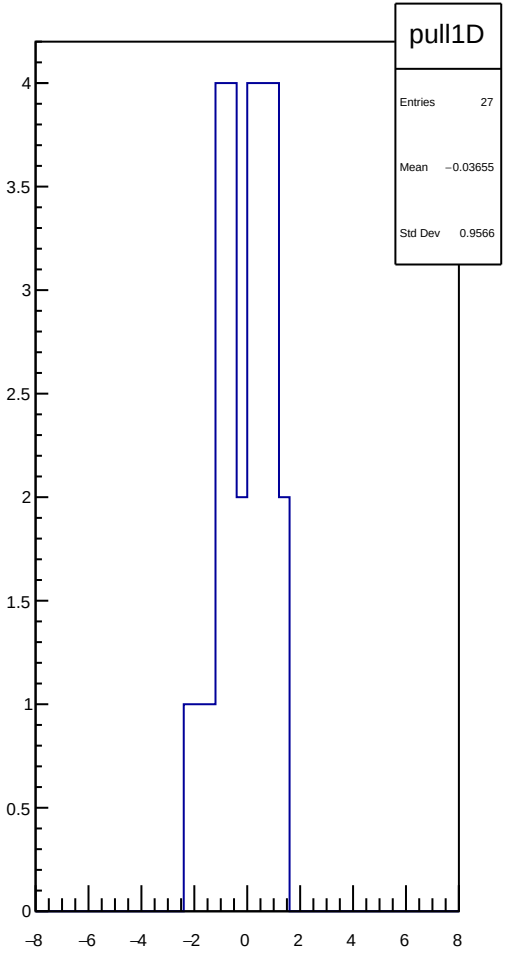

asym_sam8_reg_vs_cor_diff_rms vs run
χ² / ndf 3.392e+05 / 26
p0 3.219e−11 ± 7.632e−14
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

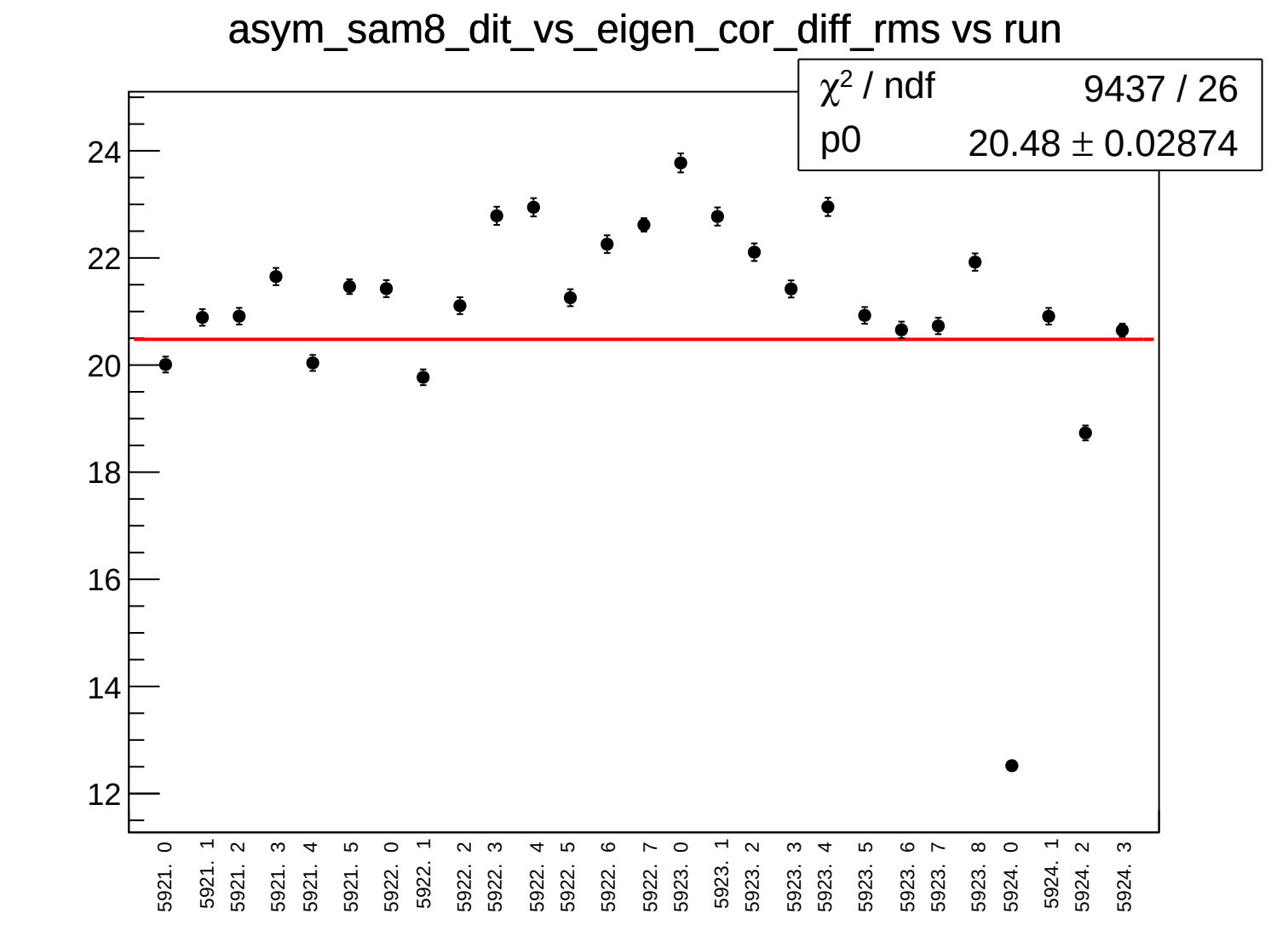

asym_sam8_dit_vs_cor_diff_mean vs run
χ² / ndf 24.74 / 26
p0 −0.009447 ± 0.04065
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 78.43
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

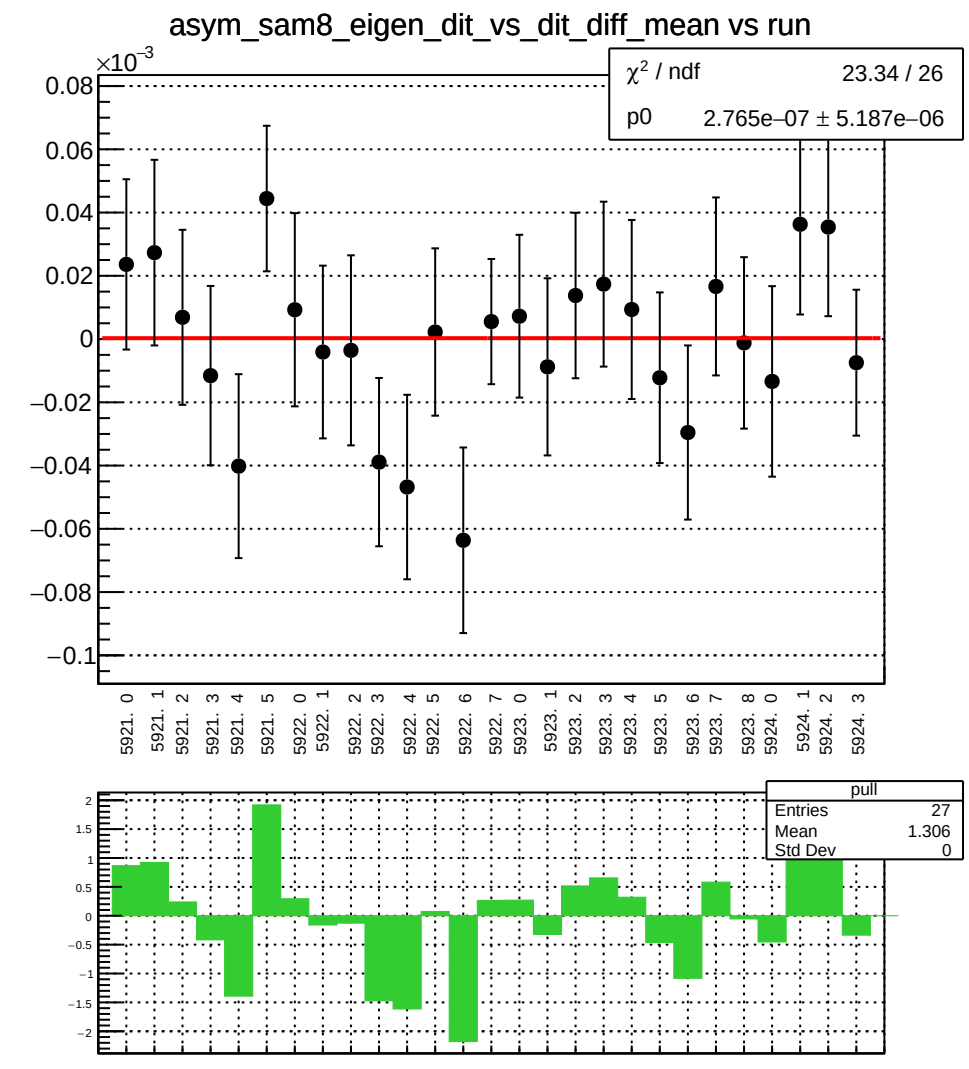

pull1D
Entries 27
Mean −0.03655
Std Dev 0.9566
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

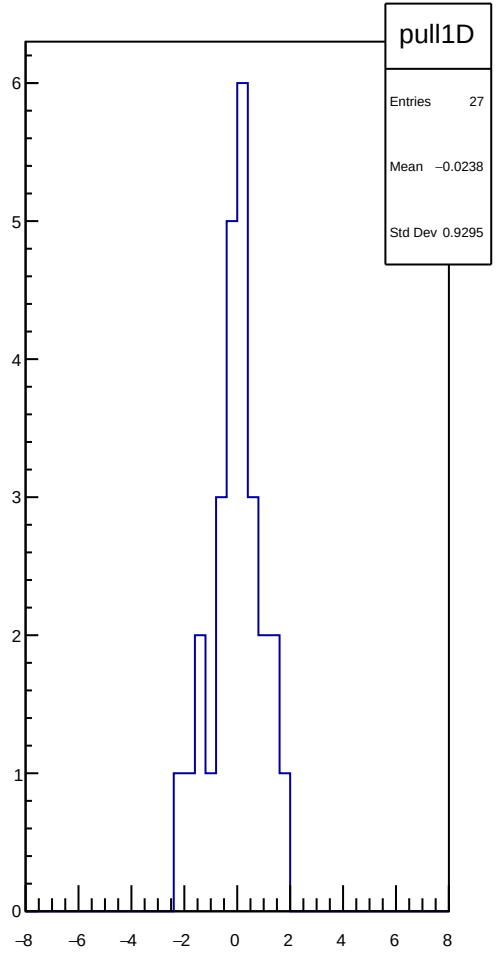

asym_sam8_dit_vs_cor_diff_rms vs run
χ² / ndf 9437 / 26
p0 20.48 ± 0.02874
24
22
20
18
16
14
12
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

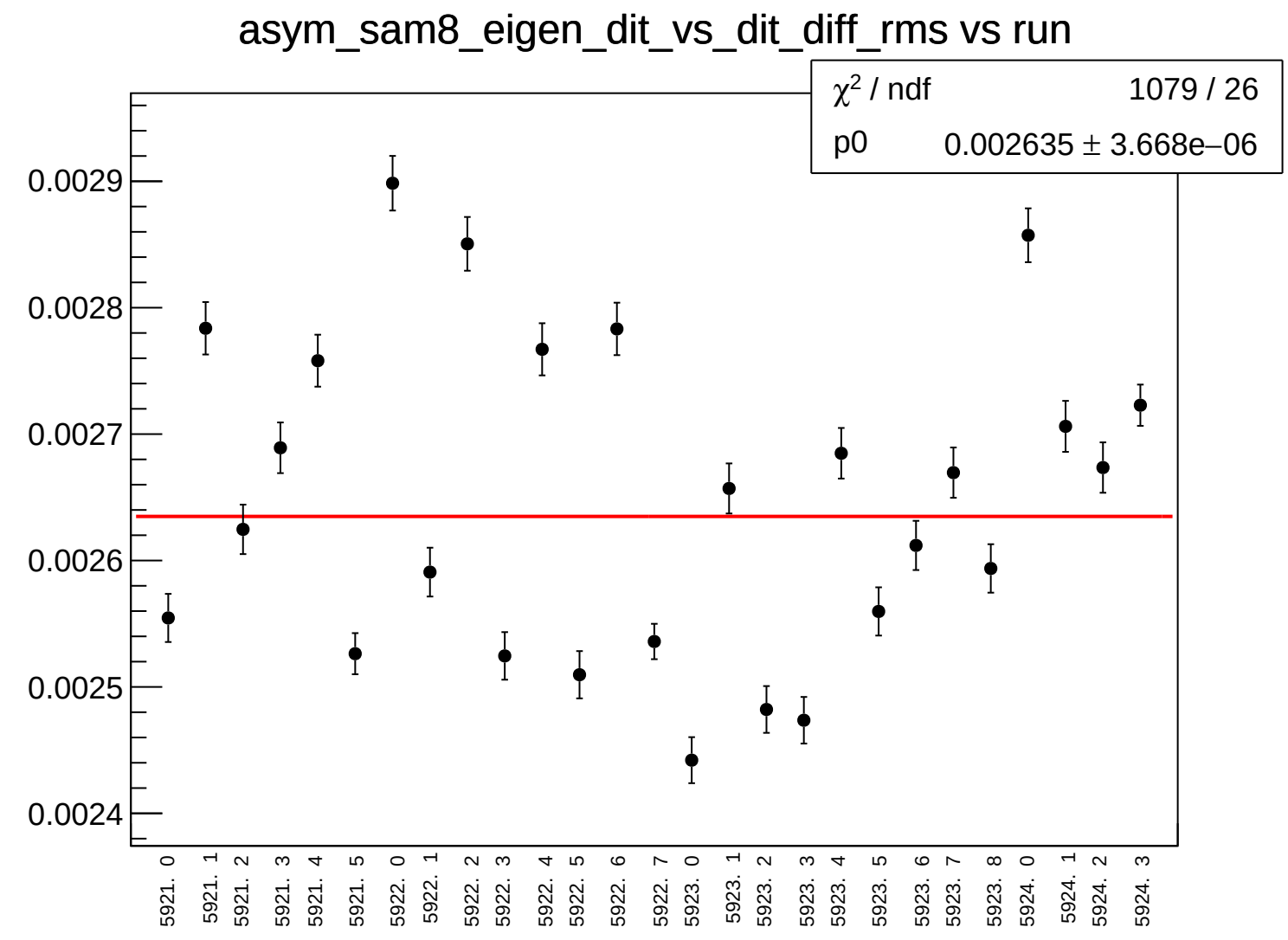

asym_sam8_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 24.74 / 26
p0 −0.009447 ± 0.04065
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 78.43
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

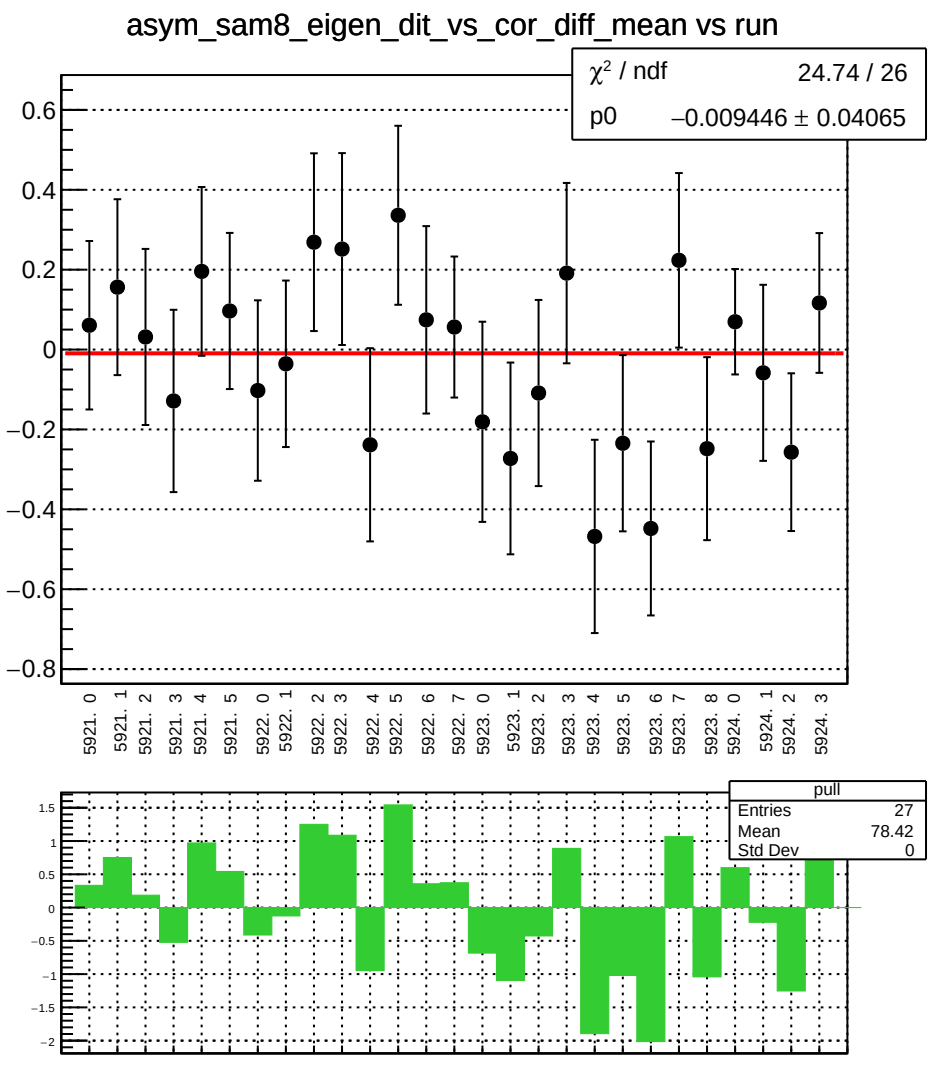

pull1D
Entries 27
Mean −0.03655
Std Dev 0.9566
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

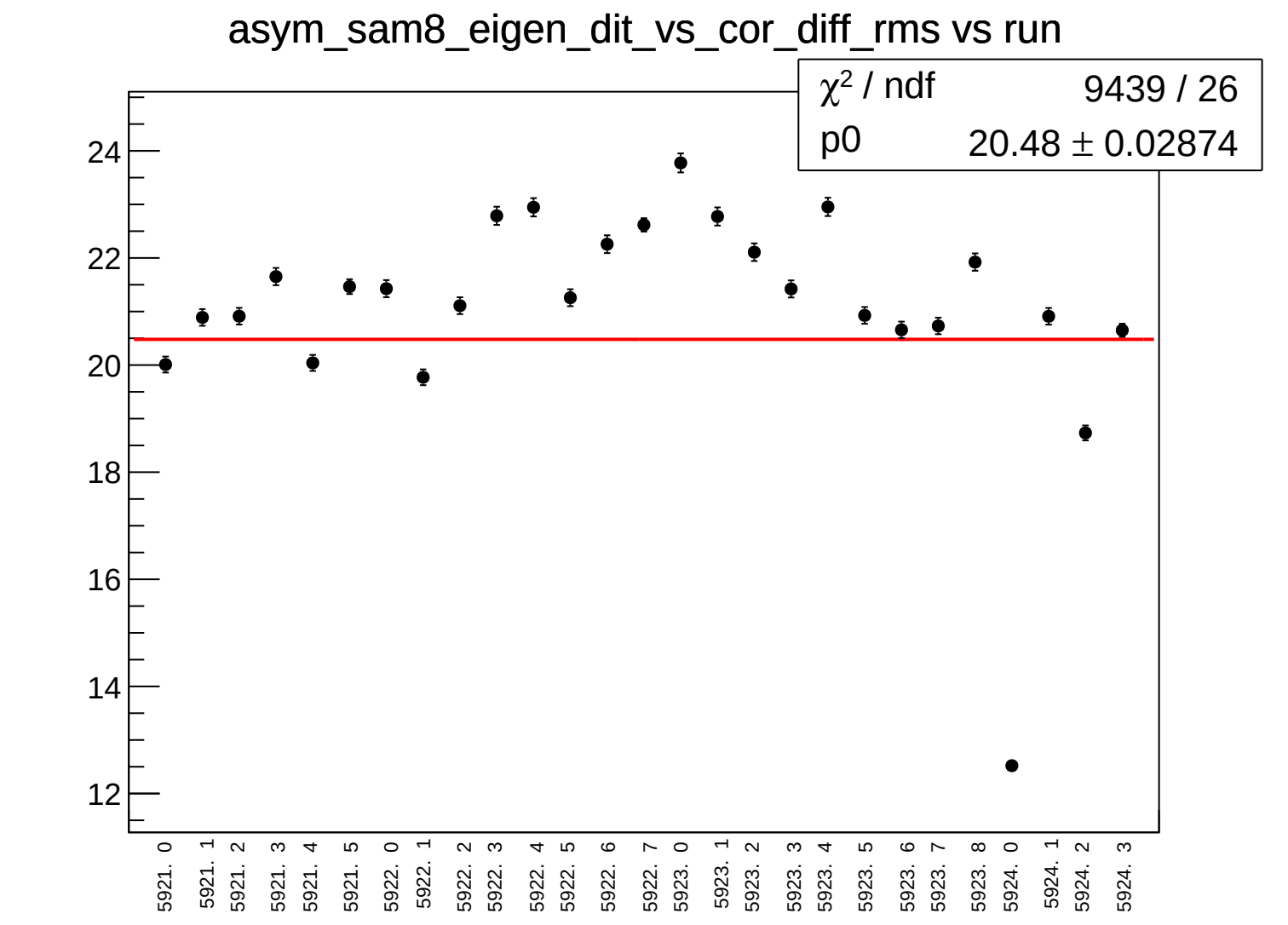

asym_sam8_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9437 / 26
p0 20.48 ± 0.02874
24
22
20
18
16
14
12
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

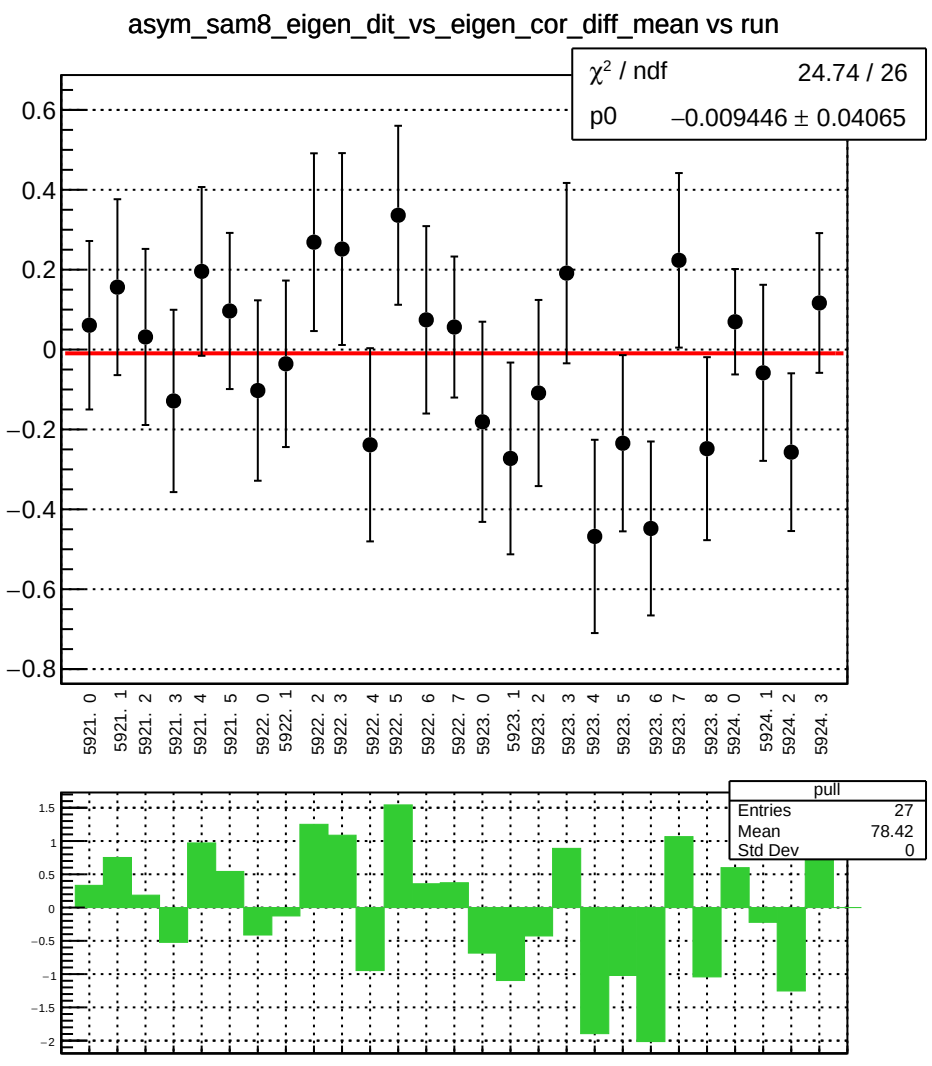

asym_sam8_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 23.34 / 26
p0 2.765e−07 ± 5.187e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 1.306
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

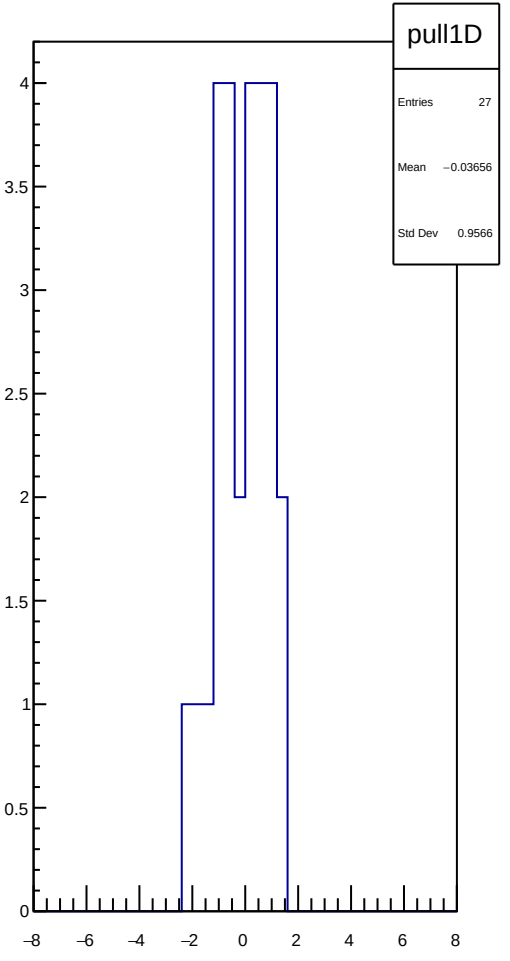

pull1D
Entries 27
Mean −0.0238
Std Dev 0.9295
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

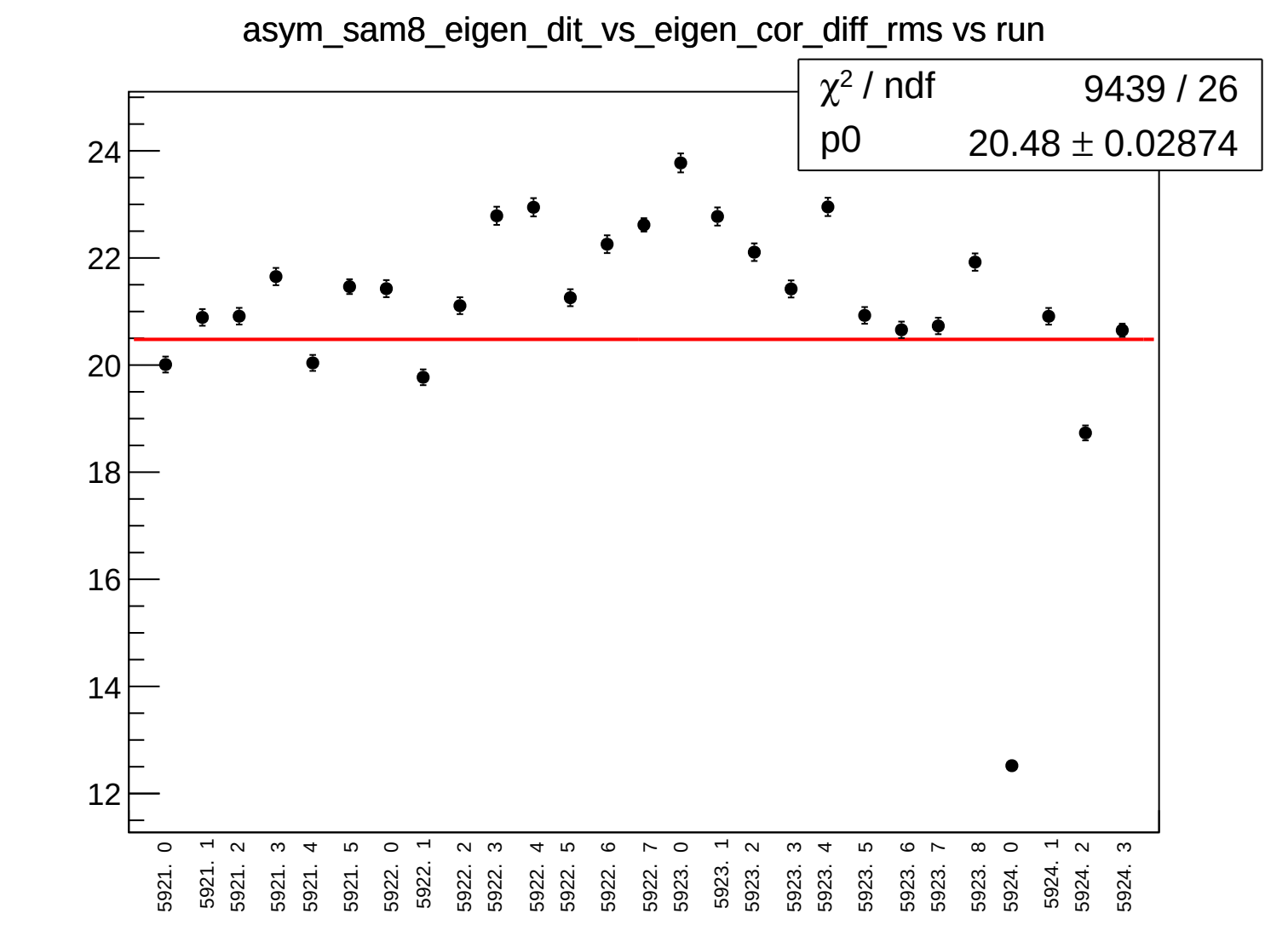

asym_sam8_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1079 / 26
p0 0.002635 ± 3.668e−06
0.0029
0.0028
0.0027
0.0026
0.0025
0.0024
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

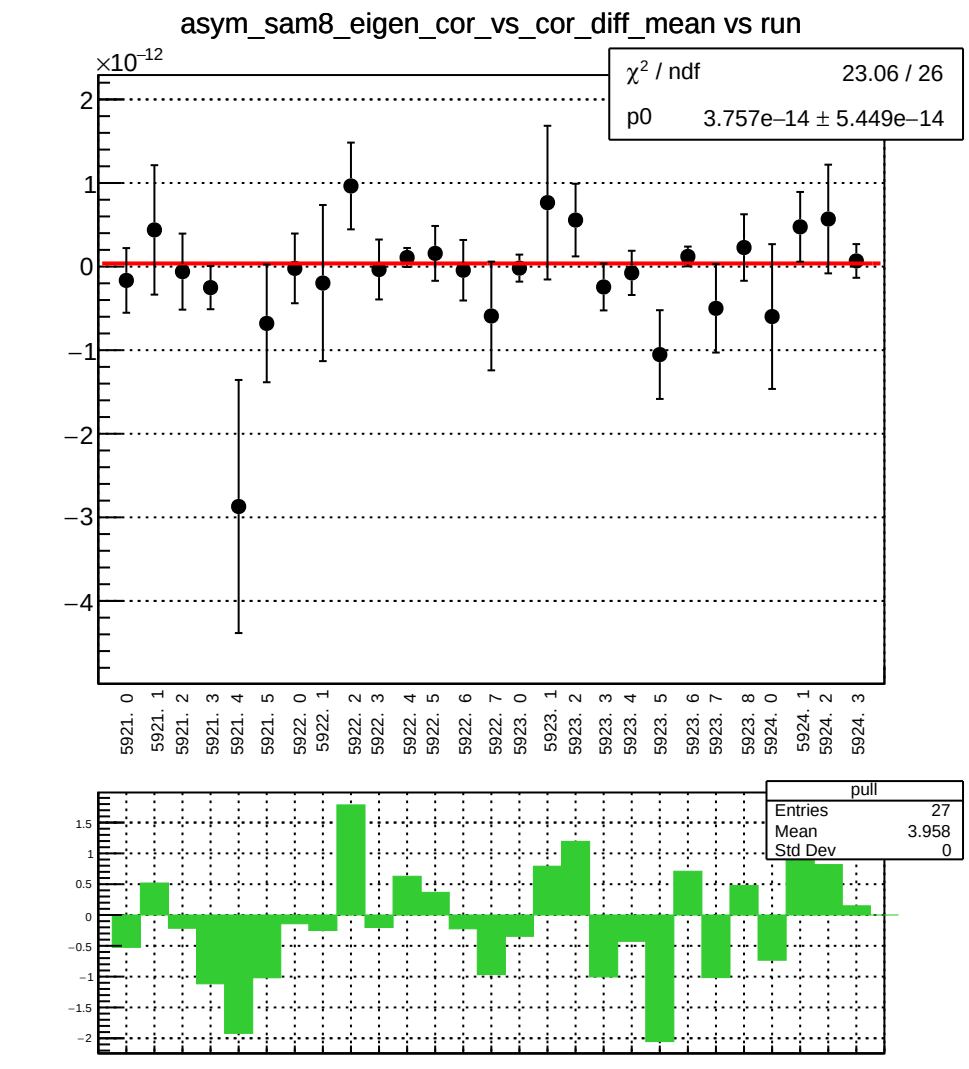

asym_sam8_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 24.74 / 26
p0 −0.009446 ± 0.04065
pull
Entries 27
Mean 78.42
Std Dev 0
pull1D
Entries 27
Mean −0.03656
Std Dev 0.9566

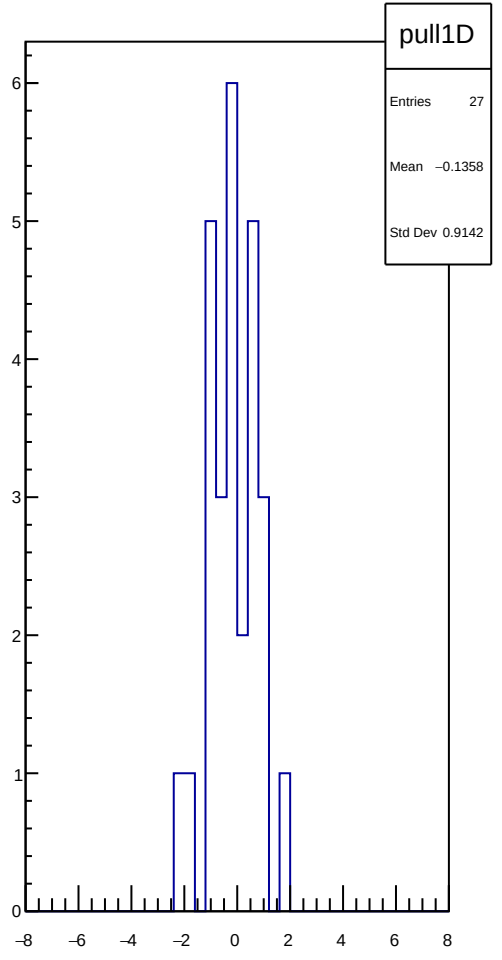

asym_sam8_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9439 / 26
p0 20.48 ± 0.02874
24
22
20
18
16
14
12
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

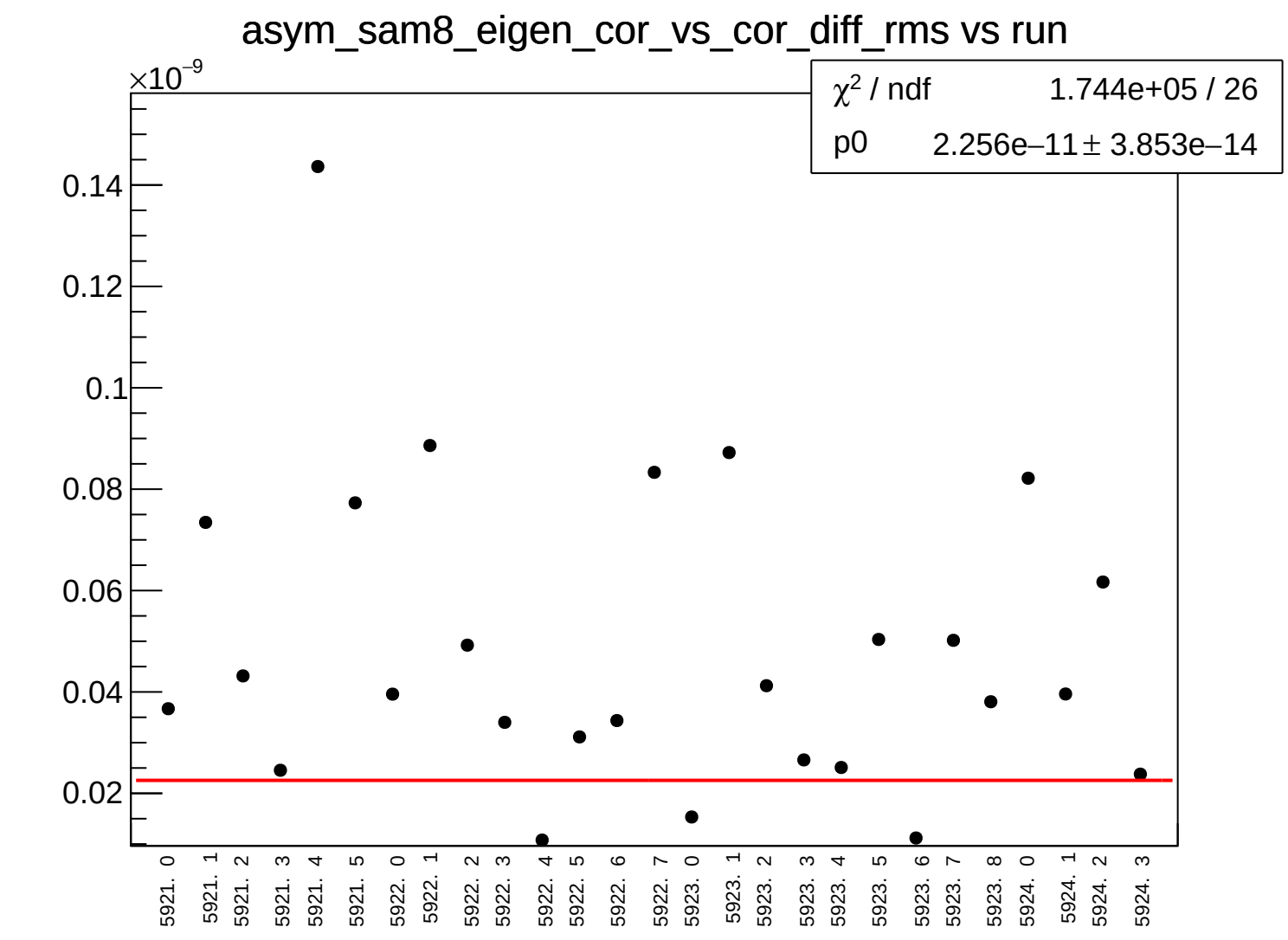

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 24.74 / 26
p0 −0.009446 ± 0.04065
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 78.42
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

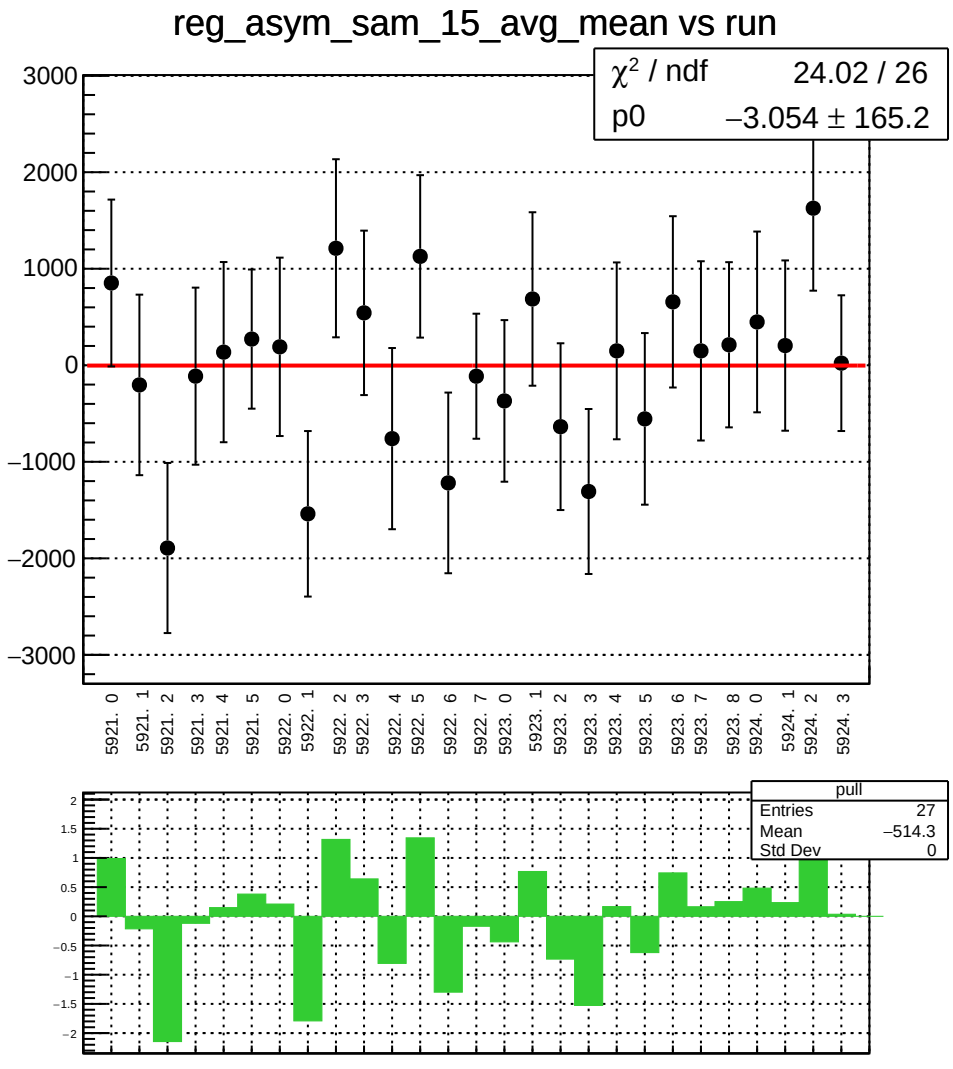

pull1D
Entries 27
Mean −0.03656
Std Dev 0.9566
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

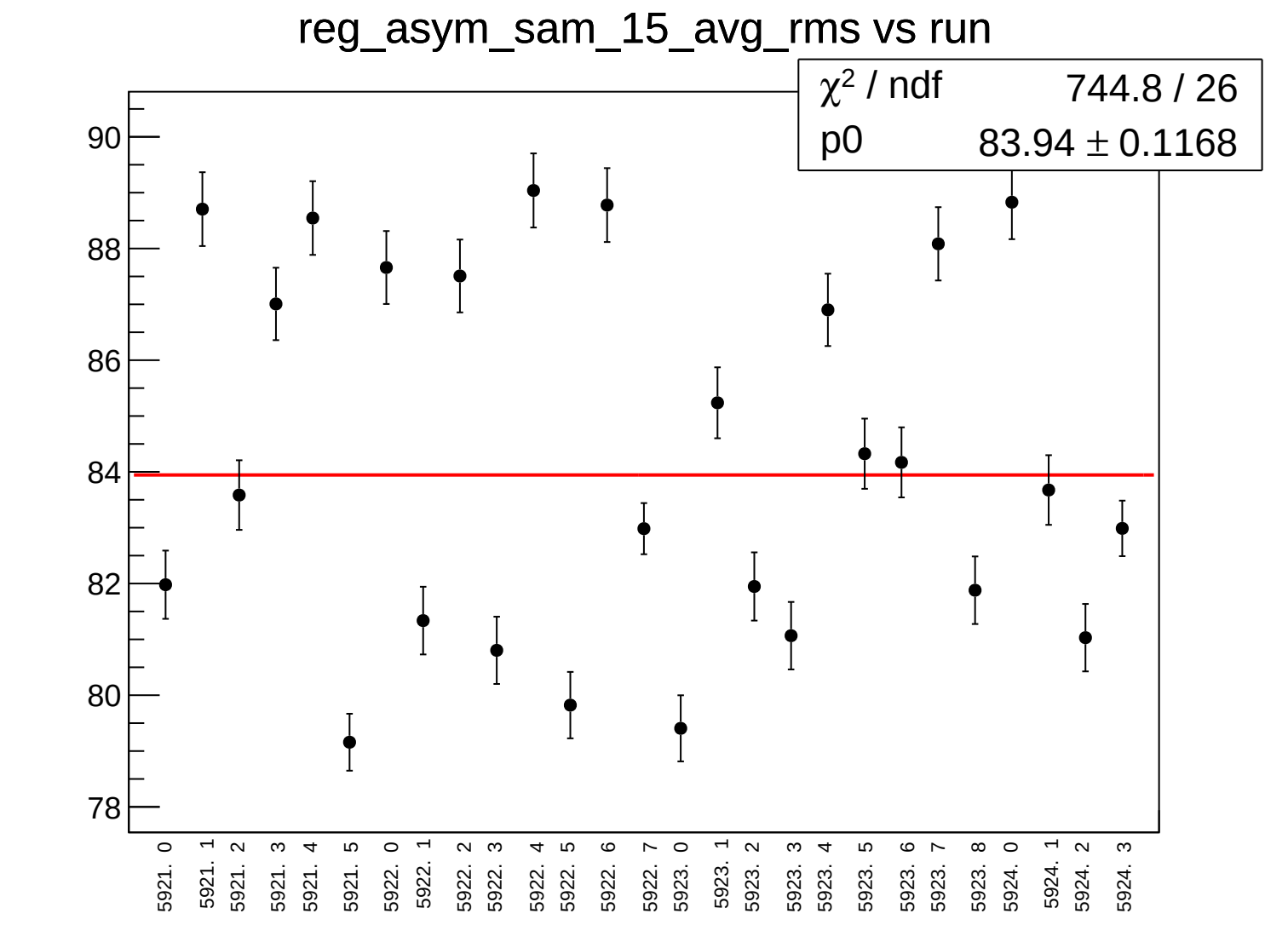

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9439 / 26
p0 20.48 ± 0.02874
24
22
20
18
16
14
12
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

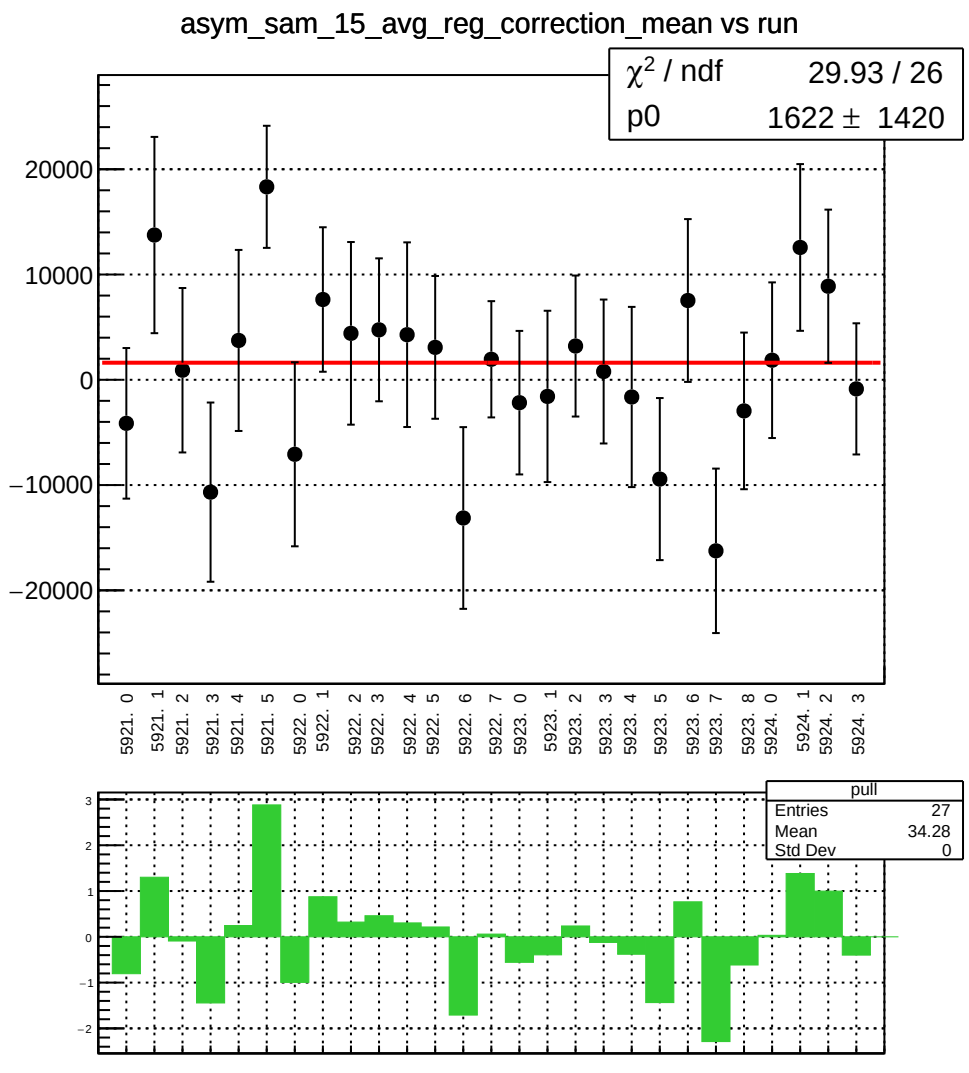

asym_sam8_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 23.06 / 26
p0 3.757e−14 ± 5.449e−14
2
1
0
−1
−2
−3
−4
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 3.958
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

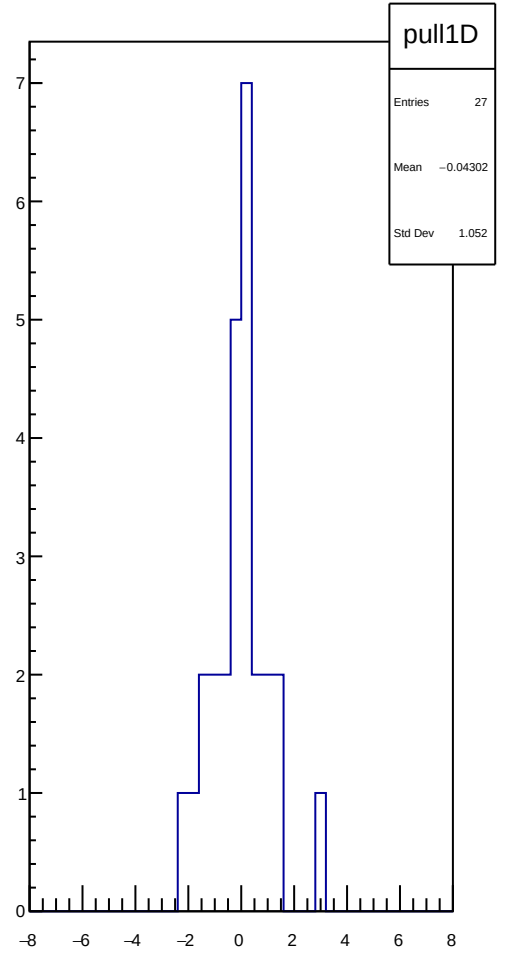

pull1D
Entries 27
Mean −0.1358
Std Dev 0.9142
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

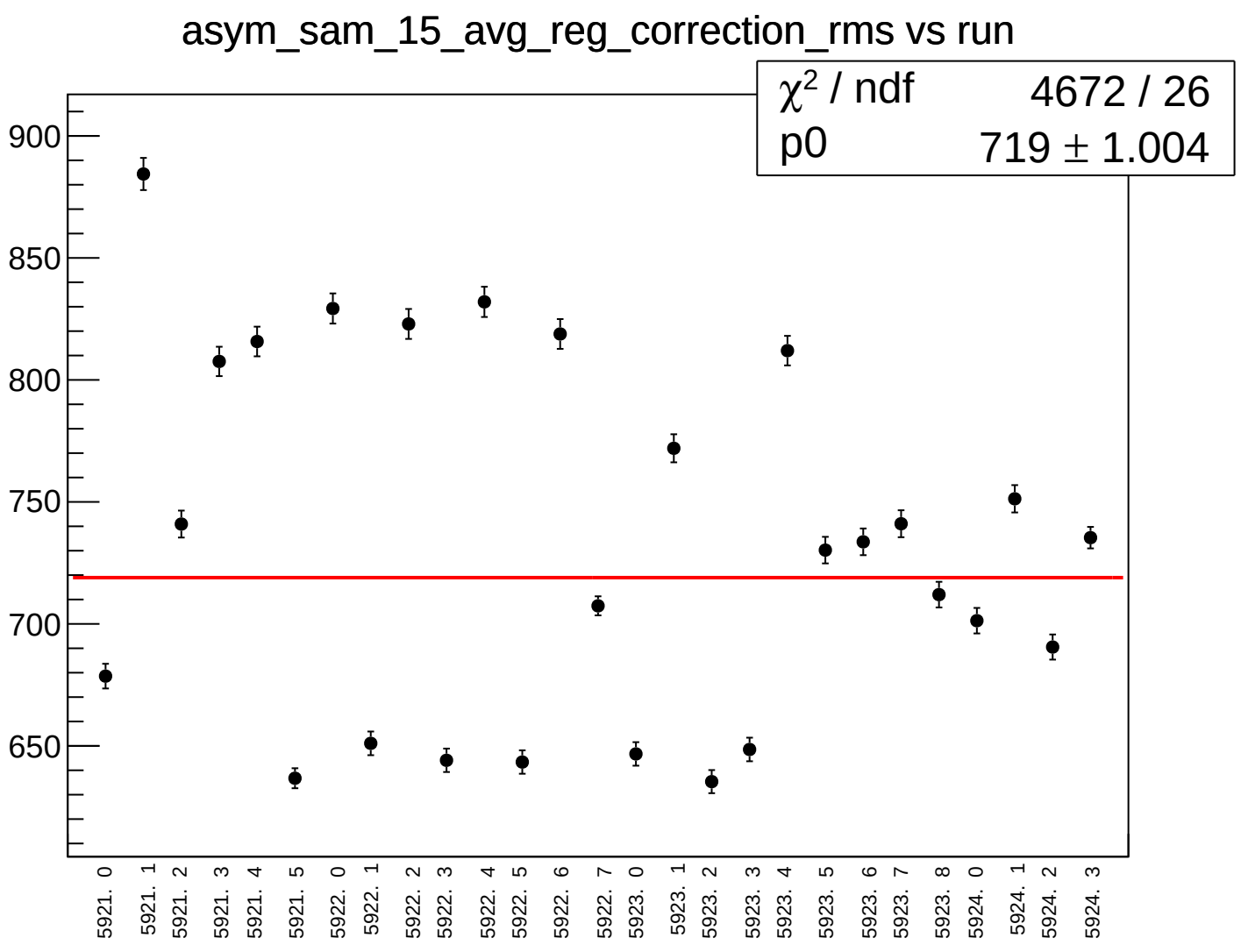

asym_sam8_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.744e+05 / 26
p0 2.256e−11 ± 3.853e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

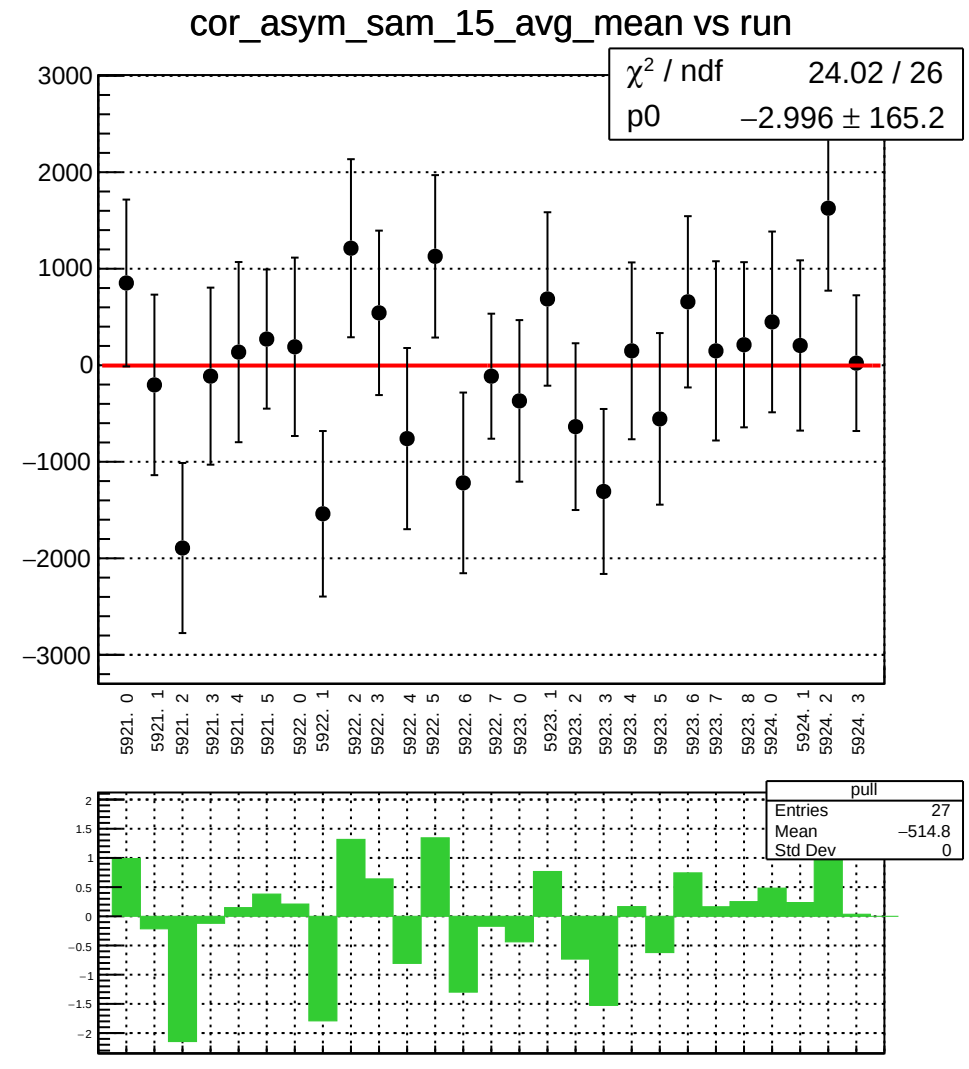

reg_asym_sam_15_avg_mean vs run
χ² / ndf 24.02 / 26
p0 −3.054 ± 165.2
3000
2000
1000
0
−1000
−2000
−3000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −514.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.002857
Std Dev 0.9431
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

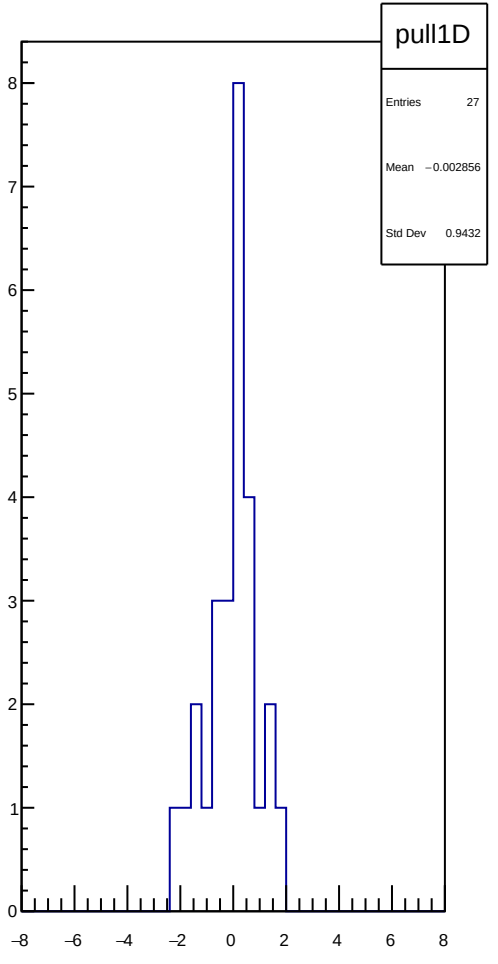

reg_asym_sam_15_avg_rms vs run
χ² / ndf 744.8 / 26
p0 83.94 ± 0.1168
90
88
86
84
82
80
78
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

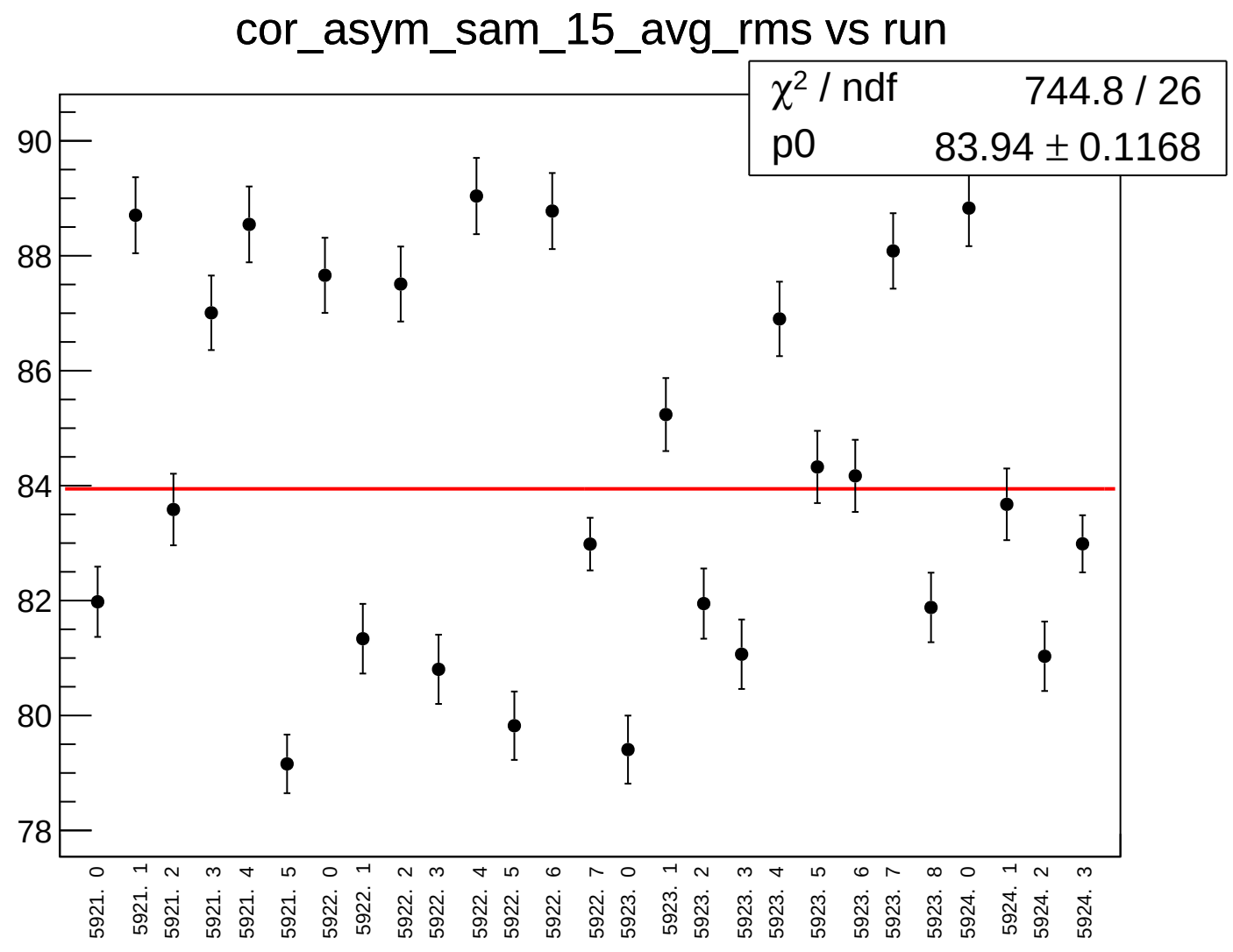

asym_sam_15_avg_reg_correction_mean vs run
χ² / ndf 29.93 / 26
p0 1622 ± 1420
20000
10000
0
−10000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 34.28
Std Dev 0
3
2
1
0
−1
−2

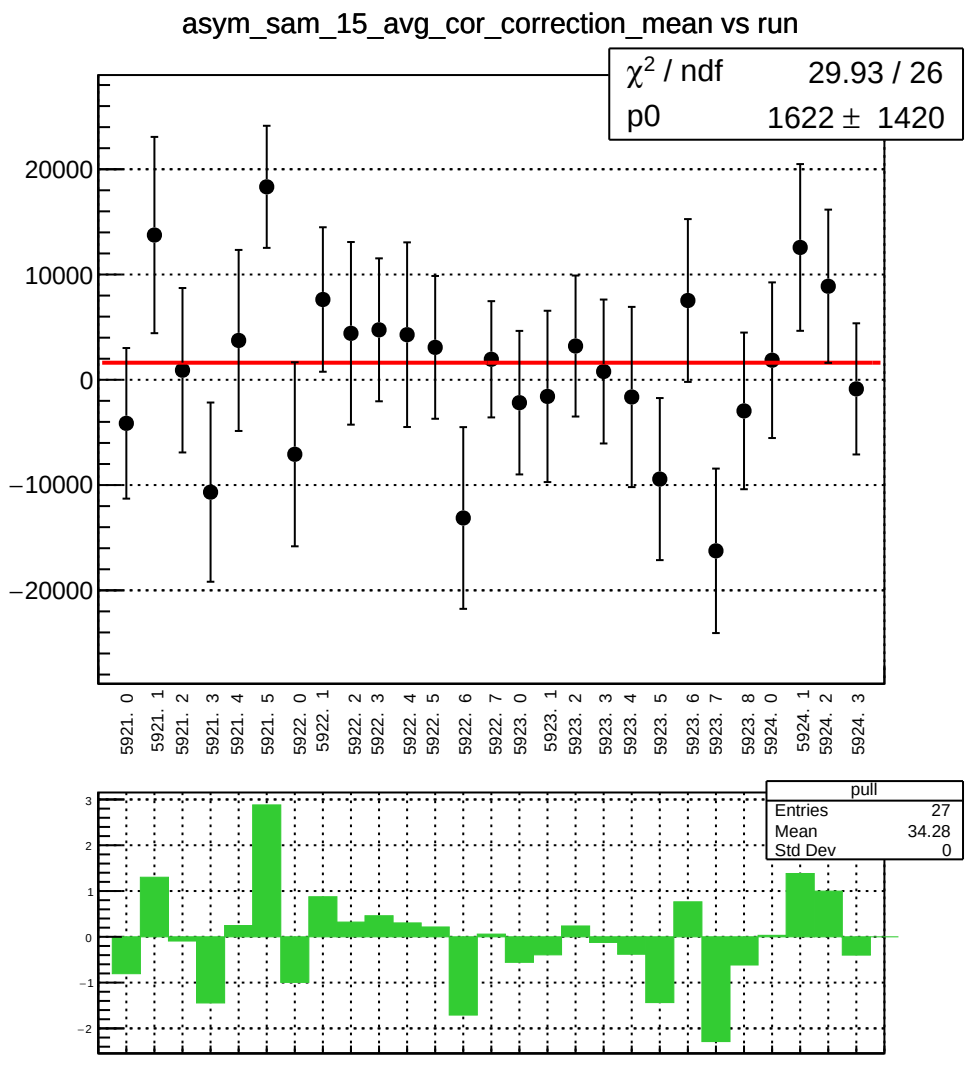

pull1D
Entries 27
Mean −0.04302
Std Dev 1.052
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

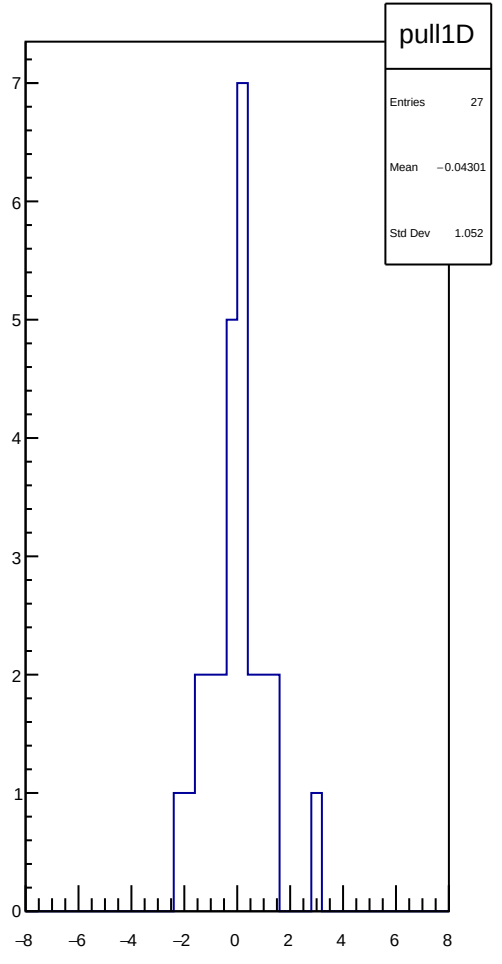

asym_sam_15_avg_reg_correction_rms vs run
χ² / ndf 4672 / 26
p0 719 ± 1.004
900
850
800
750
700
650
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

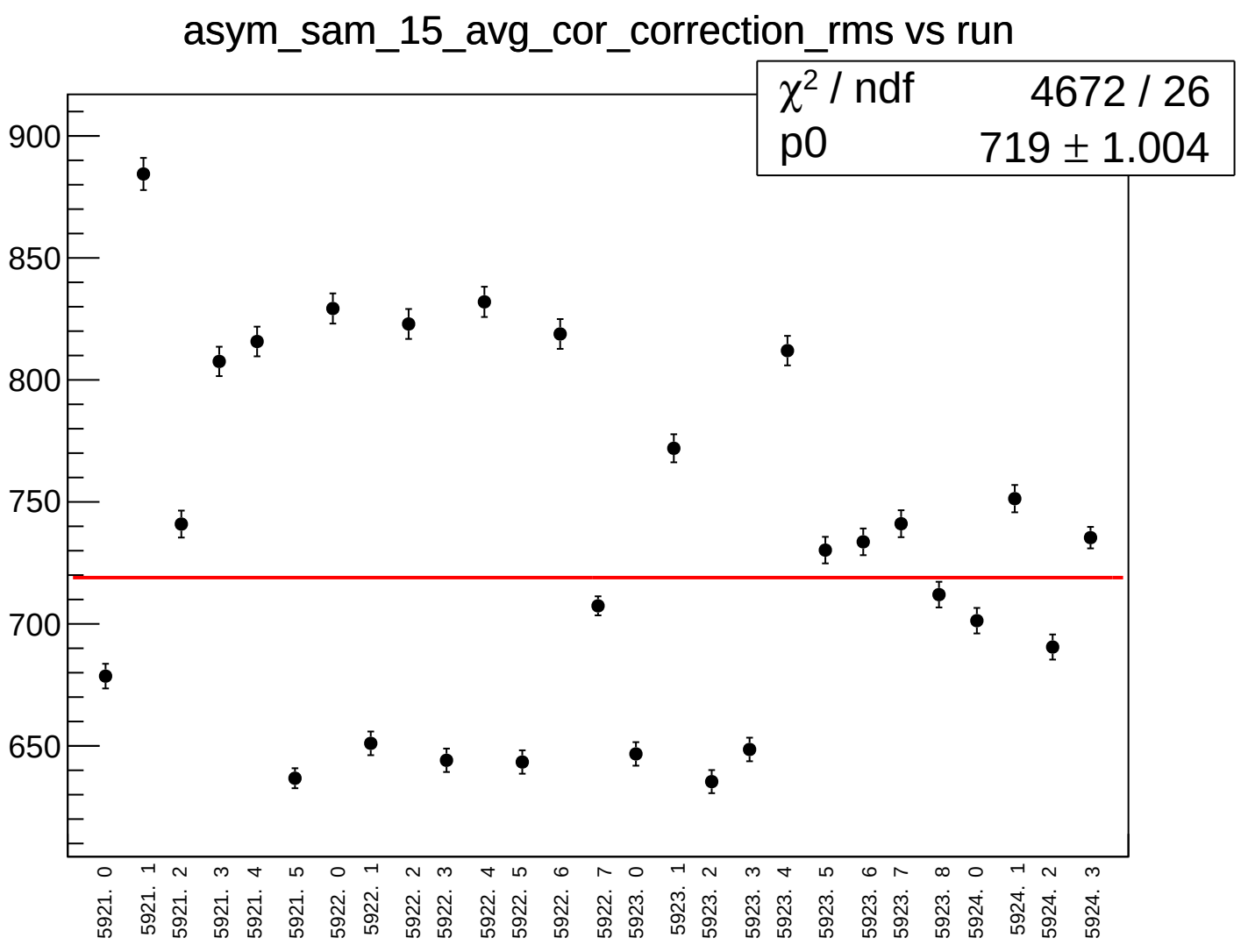

cor_asym_sam_15_avg_mean vs run
χ² / ndf 24.02 / 26
p0 −2.996 ± 165.2
3000
2000
1000
0
−1000
−2000
−3000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −514.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

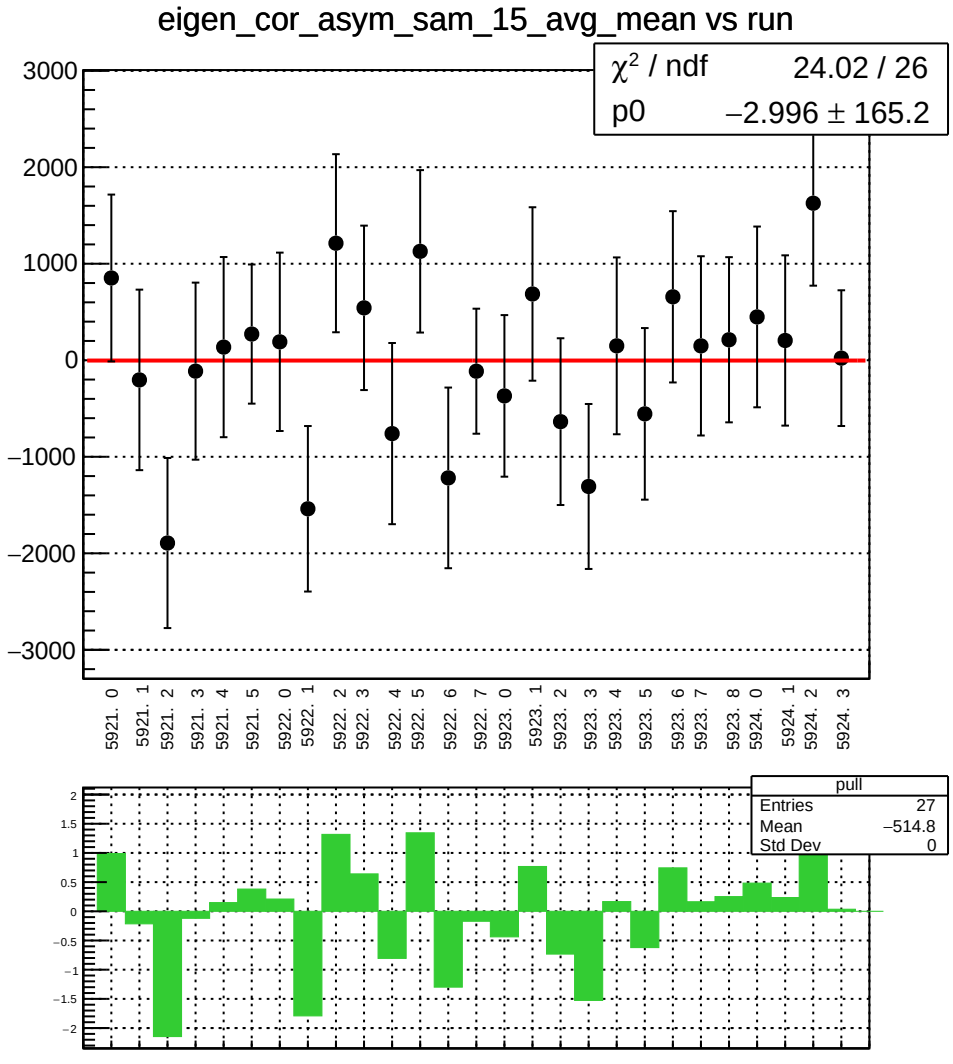

pull1D
Entries 27
Mean −0.002856
Std Dev 0.9432
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

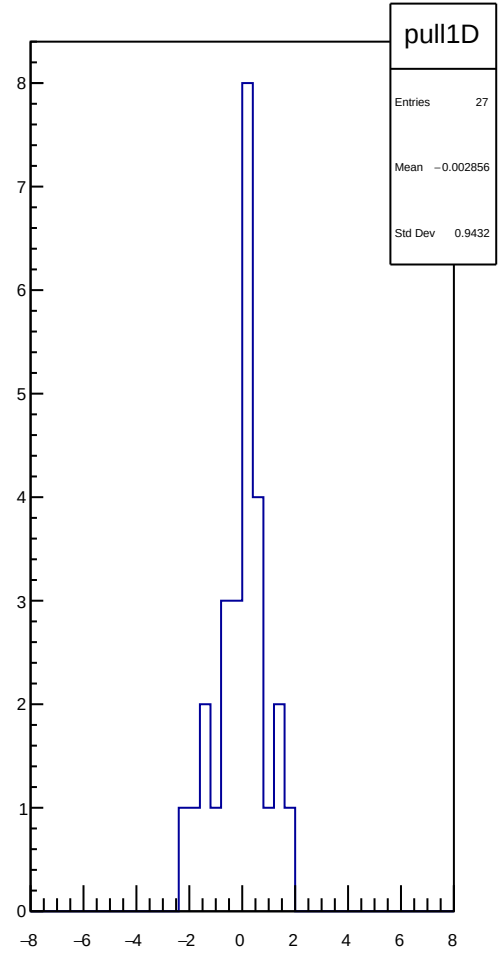

cor_asym_sam_15_avg_rms vs run
χ² / ndf 744.8 / 26
p0 83.94 ± 0.1168
90
88
86
84
82
80
78
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

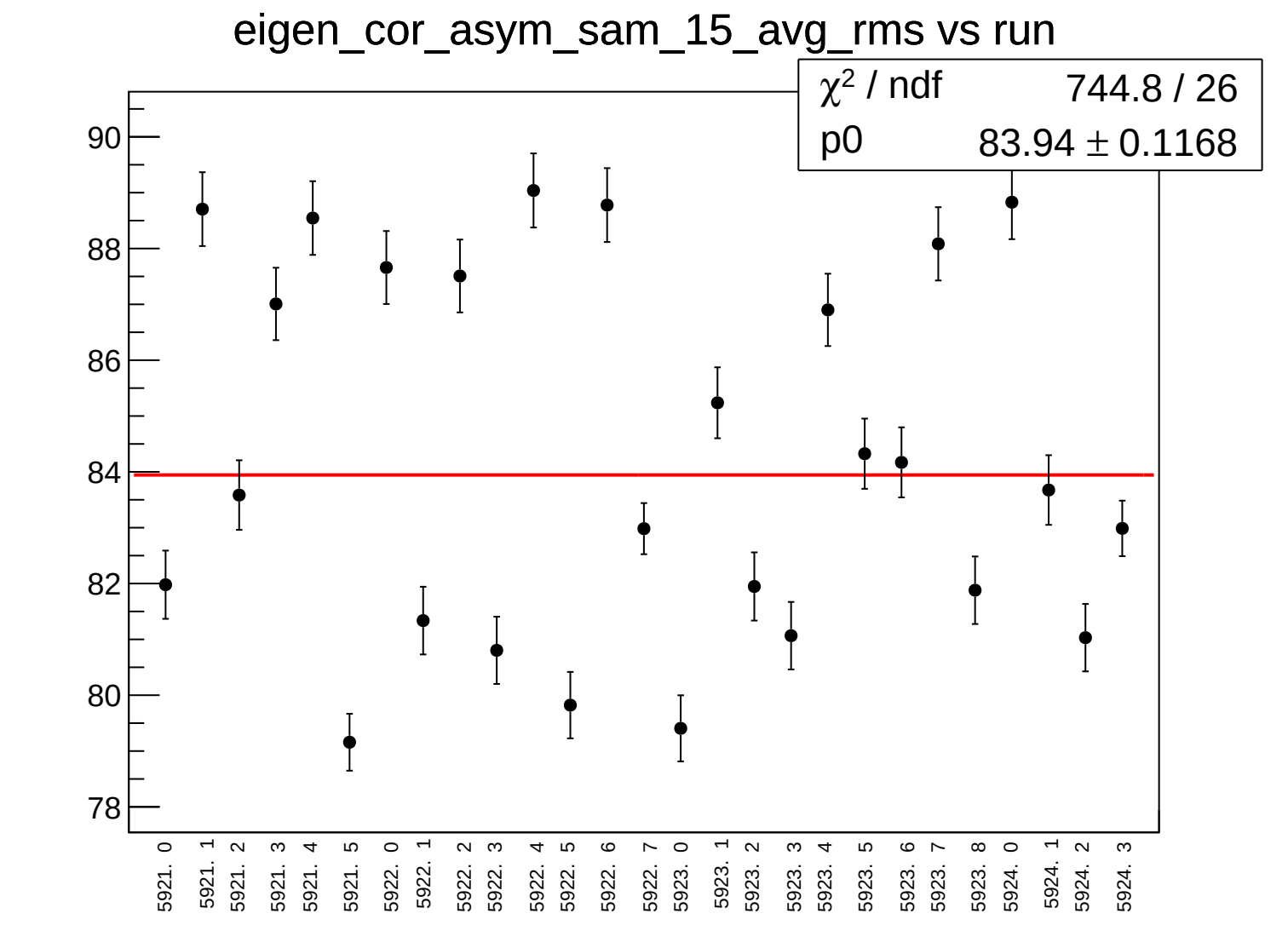

asym_sam_15_avg_cor_correction_mean vs run
χ² / ndf 29.93 / 26
p0 1622 ± 1420
20000
10000
0
−10000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 34.28
Std Dev 0
3
2
1
0
−1
−2

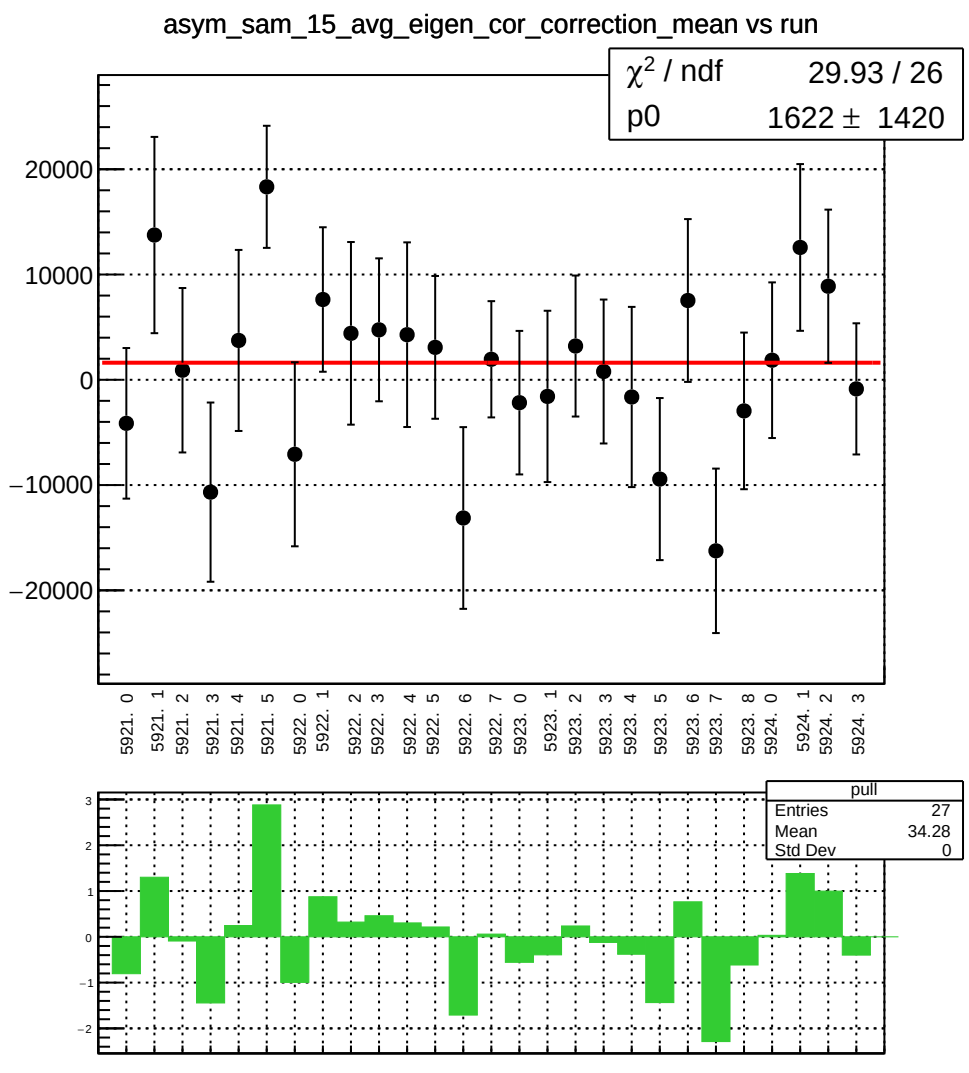

pull1D
Entries 27
Mean −0.04301
Std Dev 1.052
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

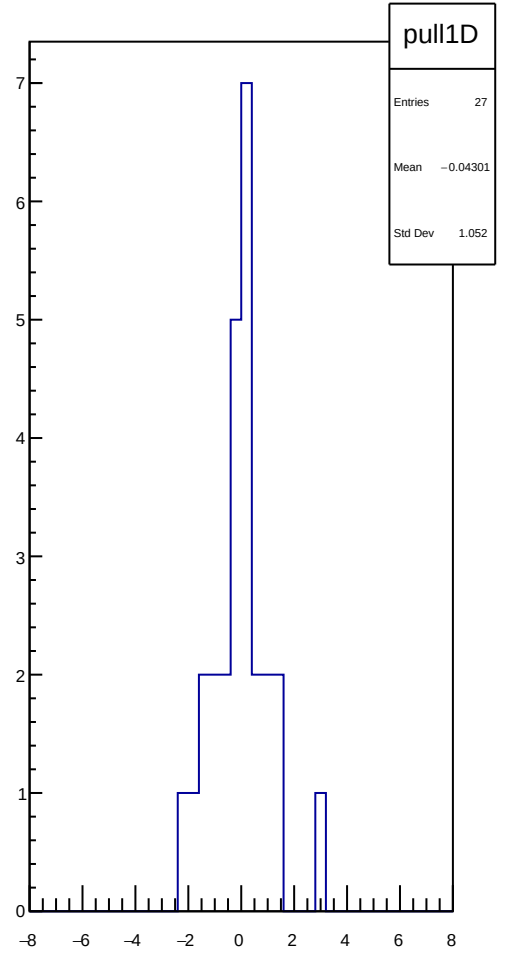

asym_sam_15_avg_cor_correction_rms vs run
χ² / ndf 4672 / 26
p0 719 ± 1.004
900
850
800
750
700
650
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

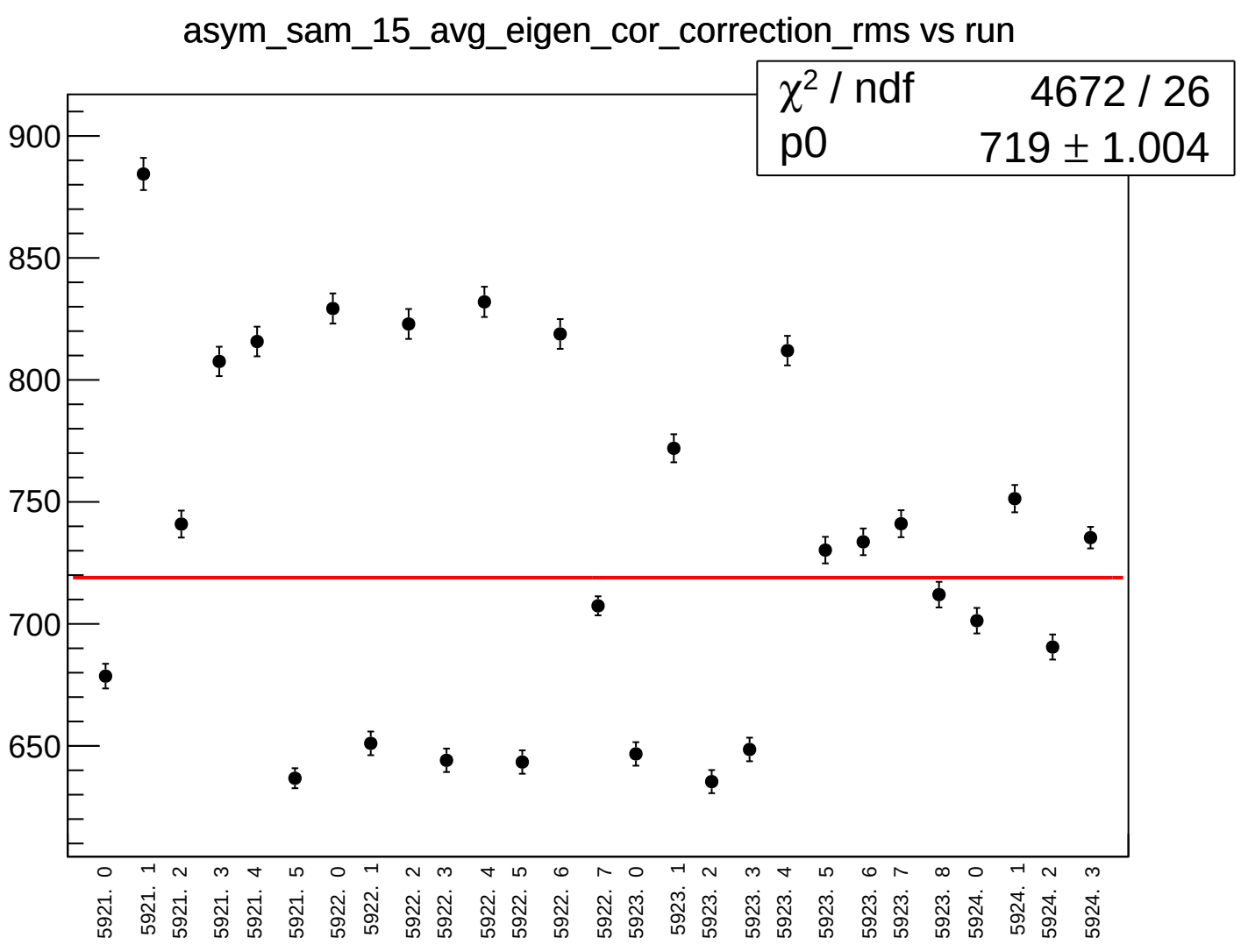

eigen_cor_asym_sam_15_avg_mean vs run
χ² / ndf 24.02 / 26
p0 −2.996 ± 165.2
3000
2000
1000
0
−1000
−2000
−3000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −514.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

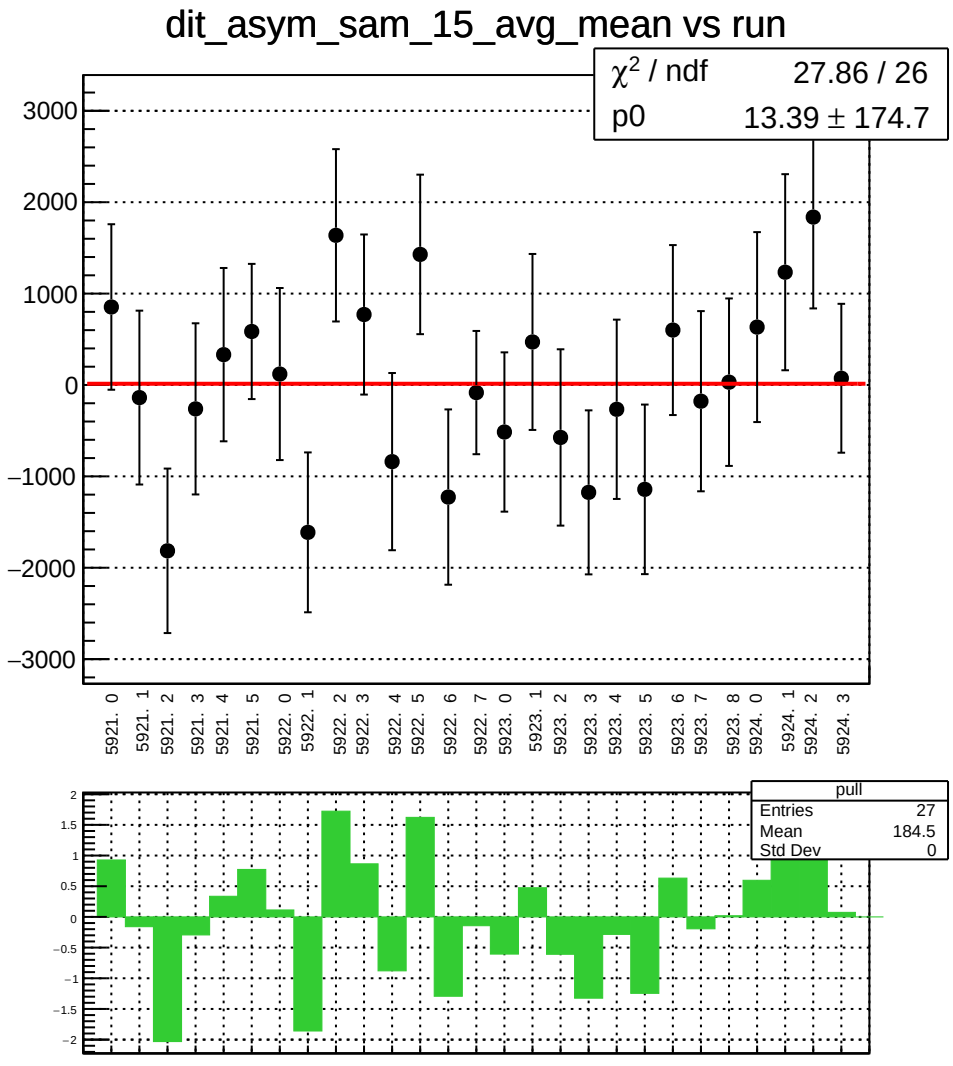

pull1D
Entries 27
Mean −0.002856
Std Dev 0.9432
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

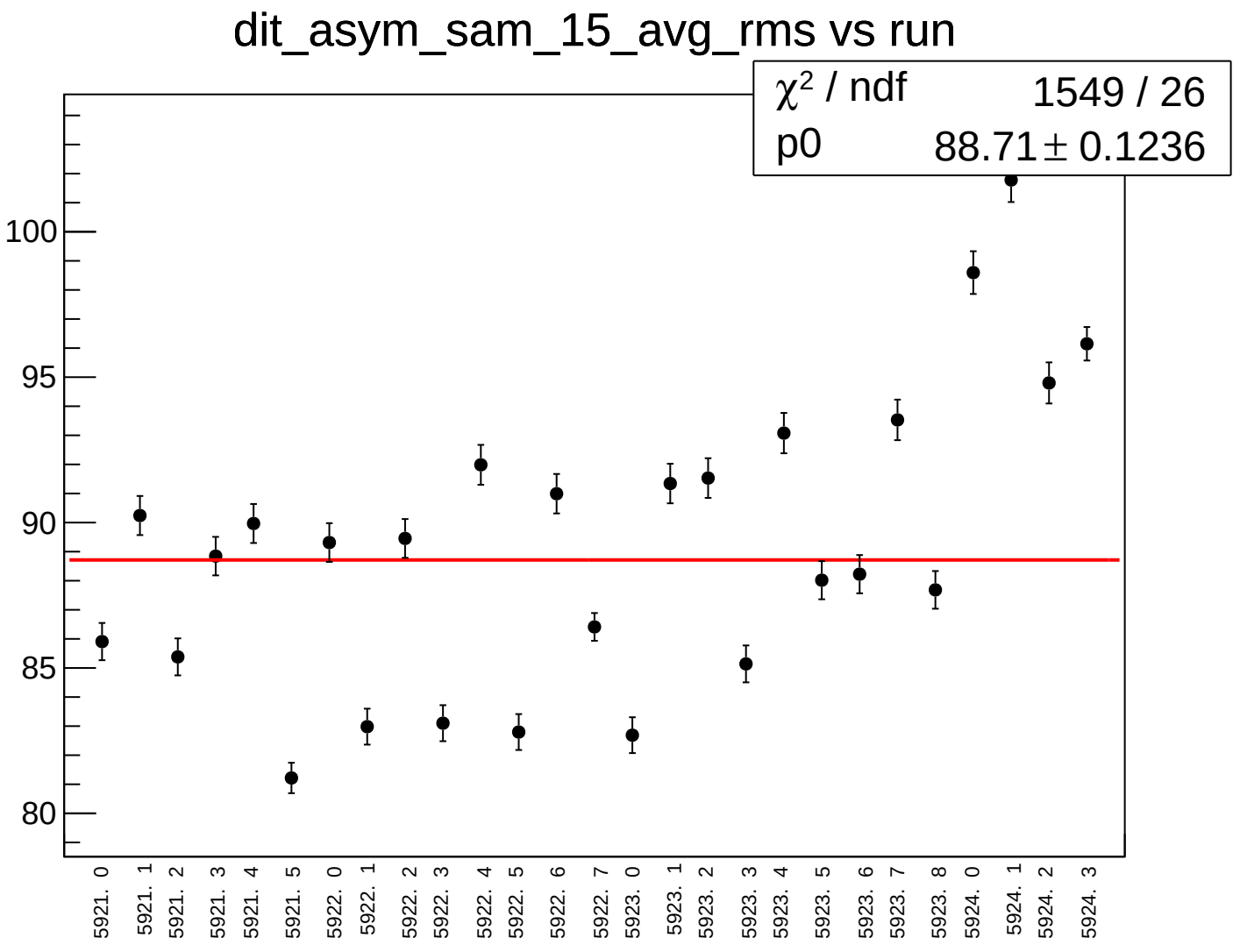

eigen_cor_asym_sam_15_avg_rms vs run
χ² / ndf 744.8 / 26
p0 83.94 ± 0.1168
90
88
86
84
82
80
78
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

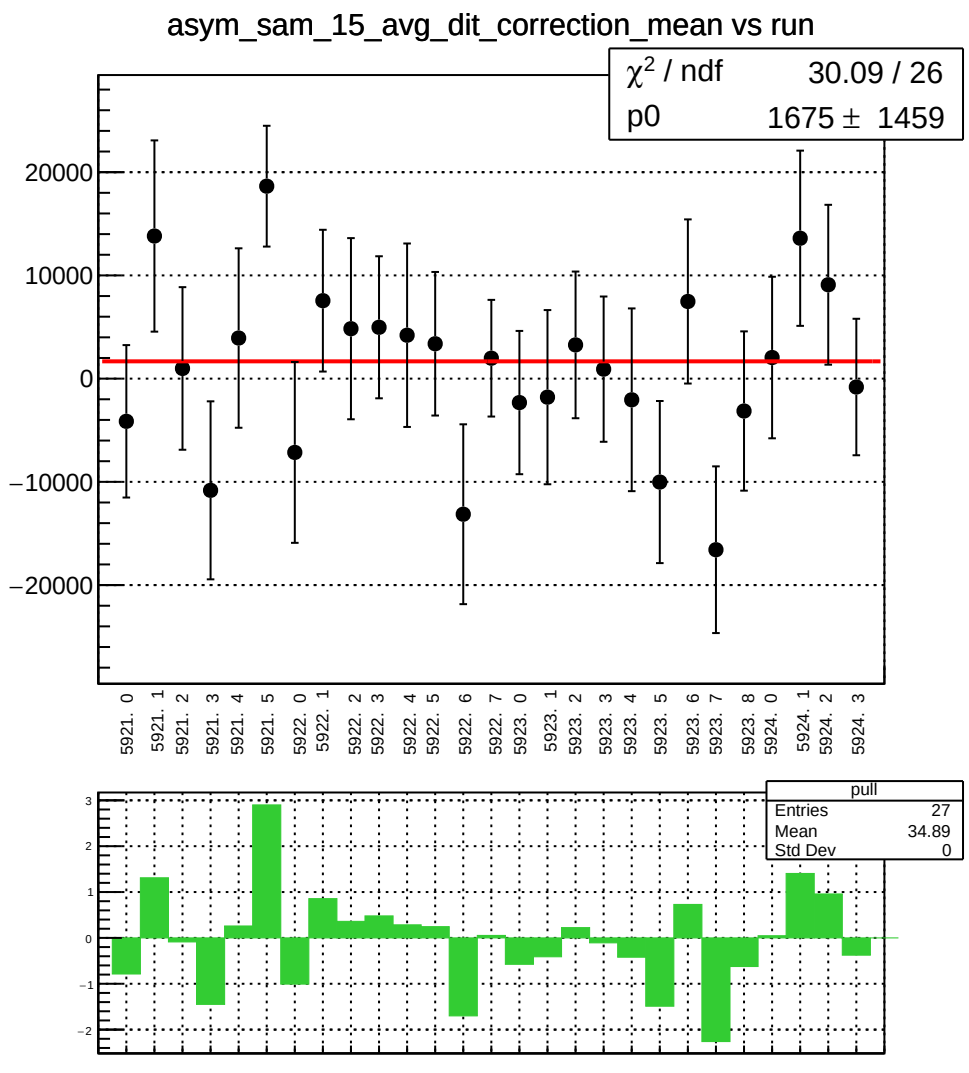

asym_sam_15_avg_eigen_cor_correction_mean vs run
χ² / ndf 29.93 / 26
p0 1622 ± 1420
20000
10000
0
−10000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 34.28
Std Dev 0
3
2
1
0
−1
−2

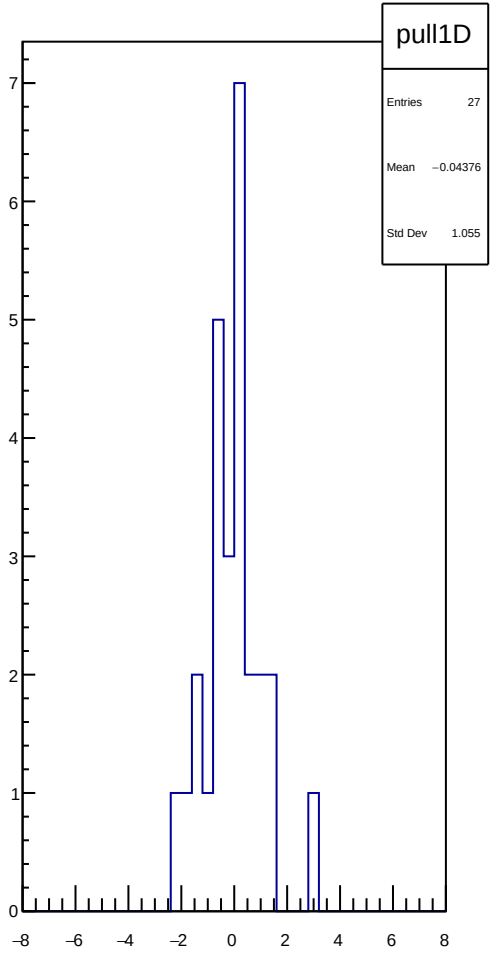

pull1D
Entries 27
Mean −0.04301
Std Dev 1.052
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

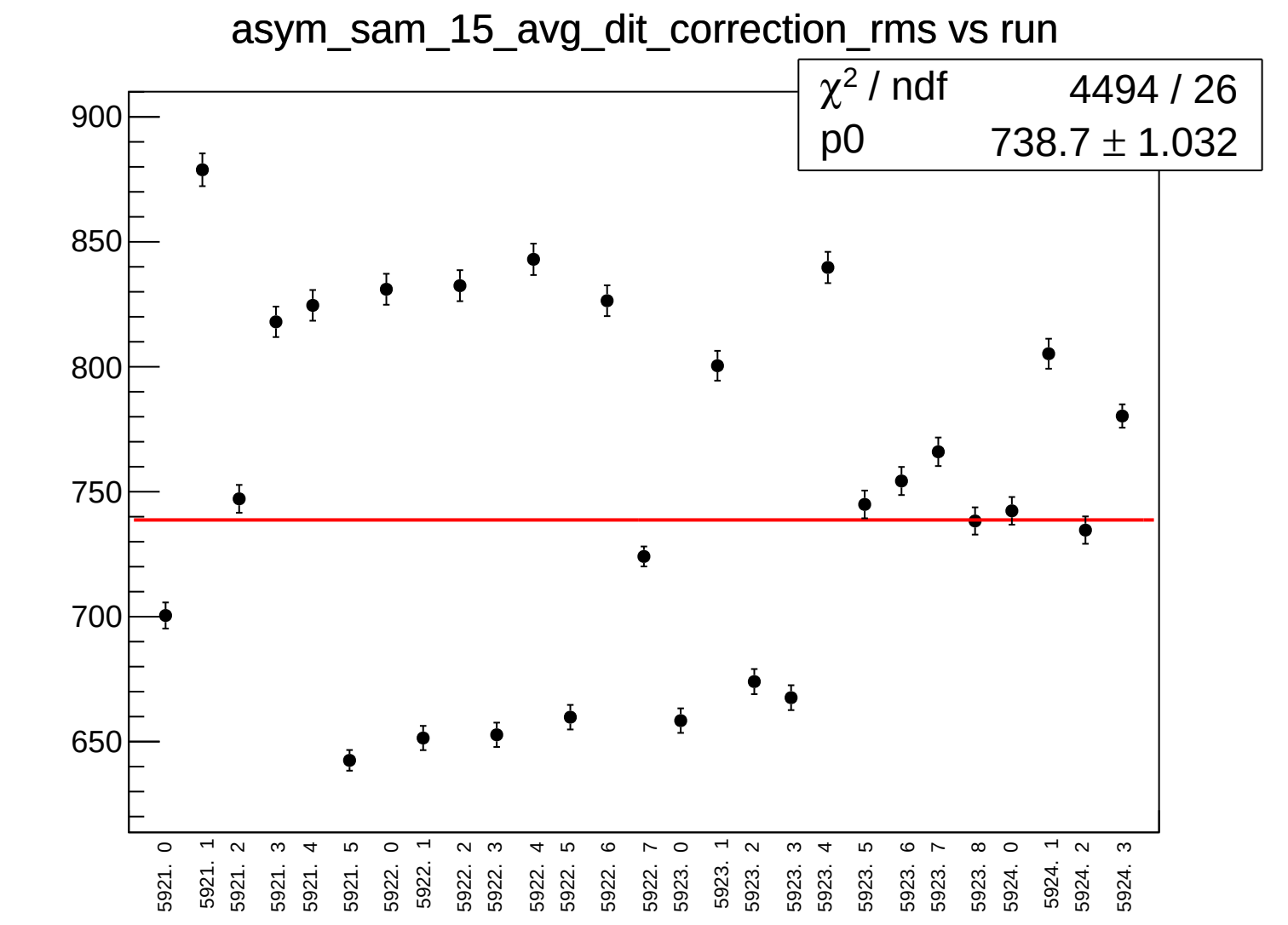

asym_sam_15_avg_eigen_cor_correction_rms vs run
χ² / ndf 4672 / 26
p0 719 ± 1.004
900
850
800
750
700
650
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

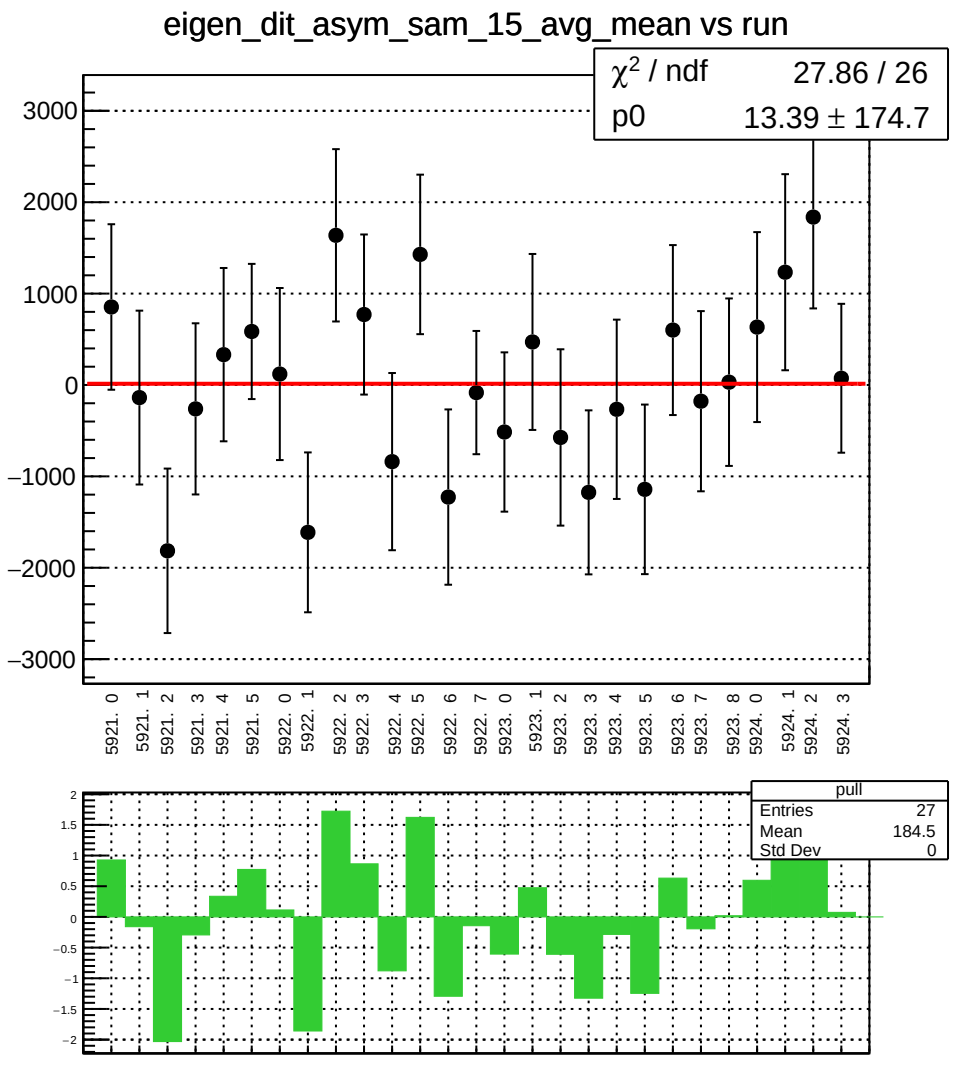

dit_asym_sam_15_avg_mean vs run
χ² / ndf 27.86 / 26
p0 13.39 ± 174.7
3000
2000
1000
0
−1000
−2000
−3000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 184.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean 0.007278
Std Dev 1.016
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

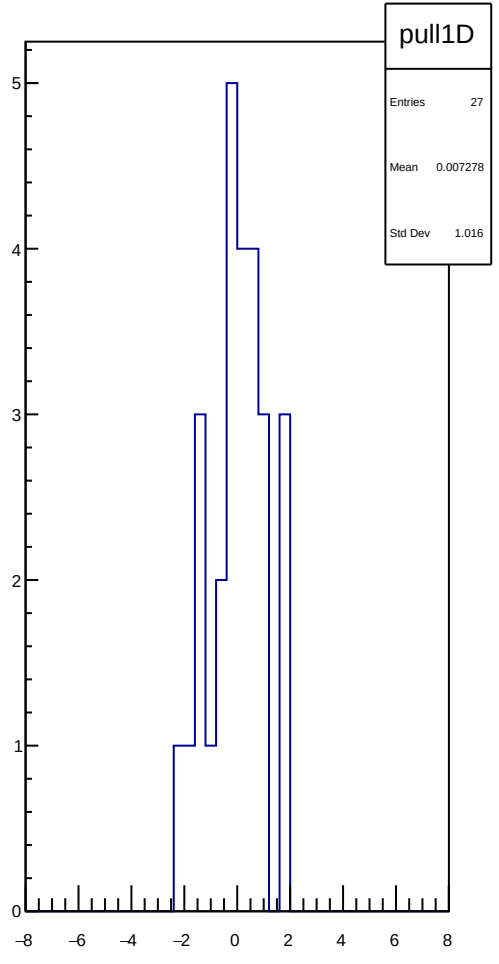

dit_asym_sam_15_avg_rms vs run
χ² / ndf 1549 / 26
p0 88.71 ± 0.1236
100
95
90
85
80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

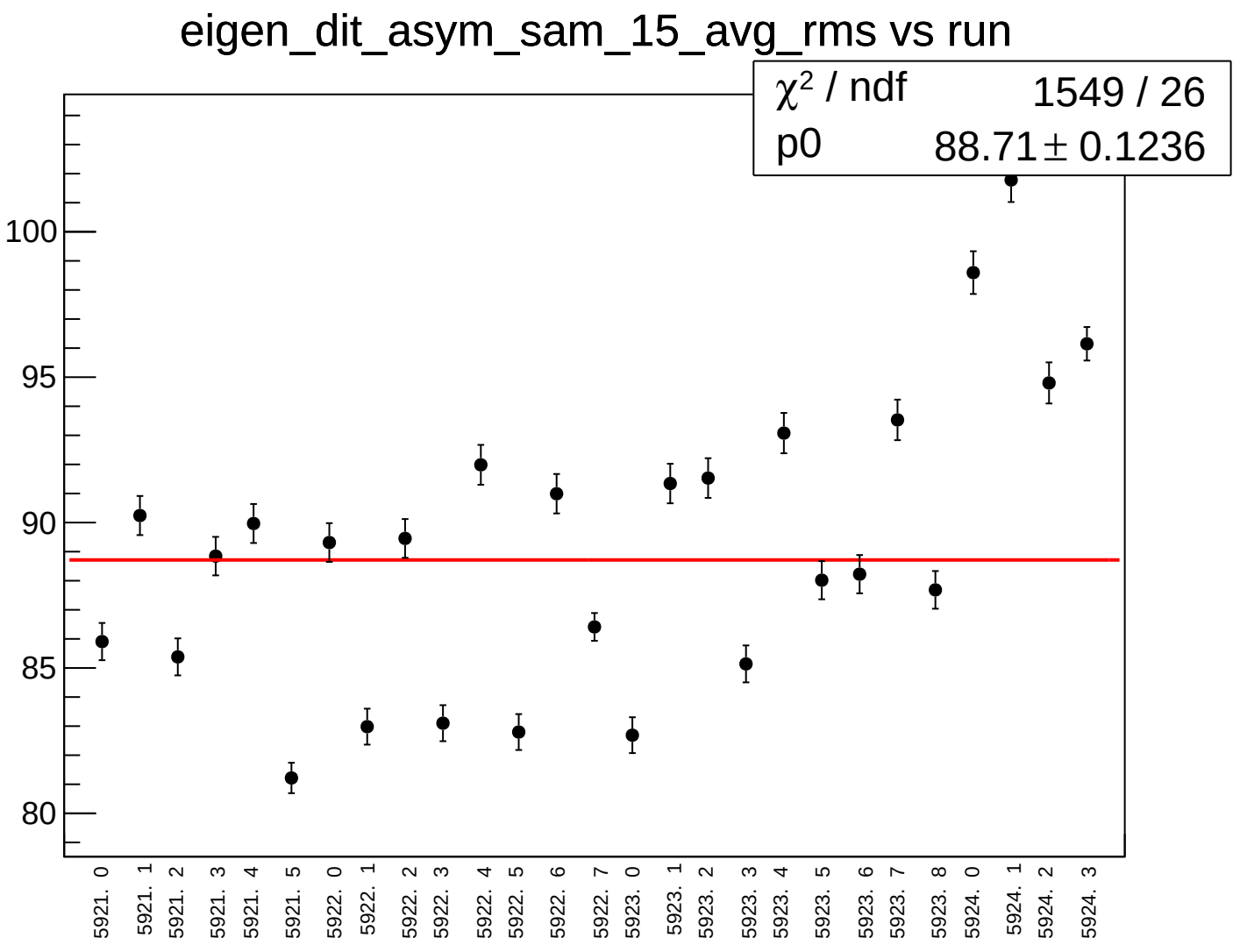

asym_sam_15_avg_dit_correction_mean vs run
χ² / ndf 30.09 / 26
p0 1675 ± 1459
20000
10000
0
−10000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 34.89
Std Dev 0
3
2
1
0
−1
−2

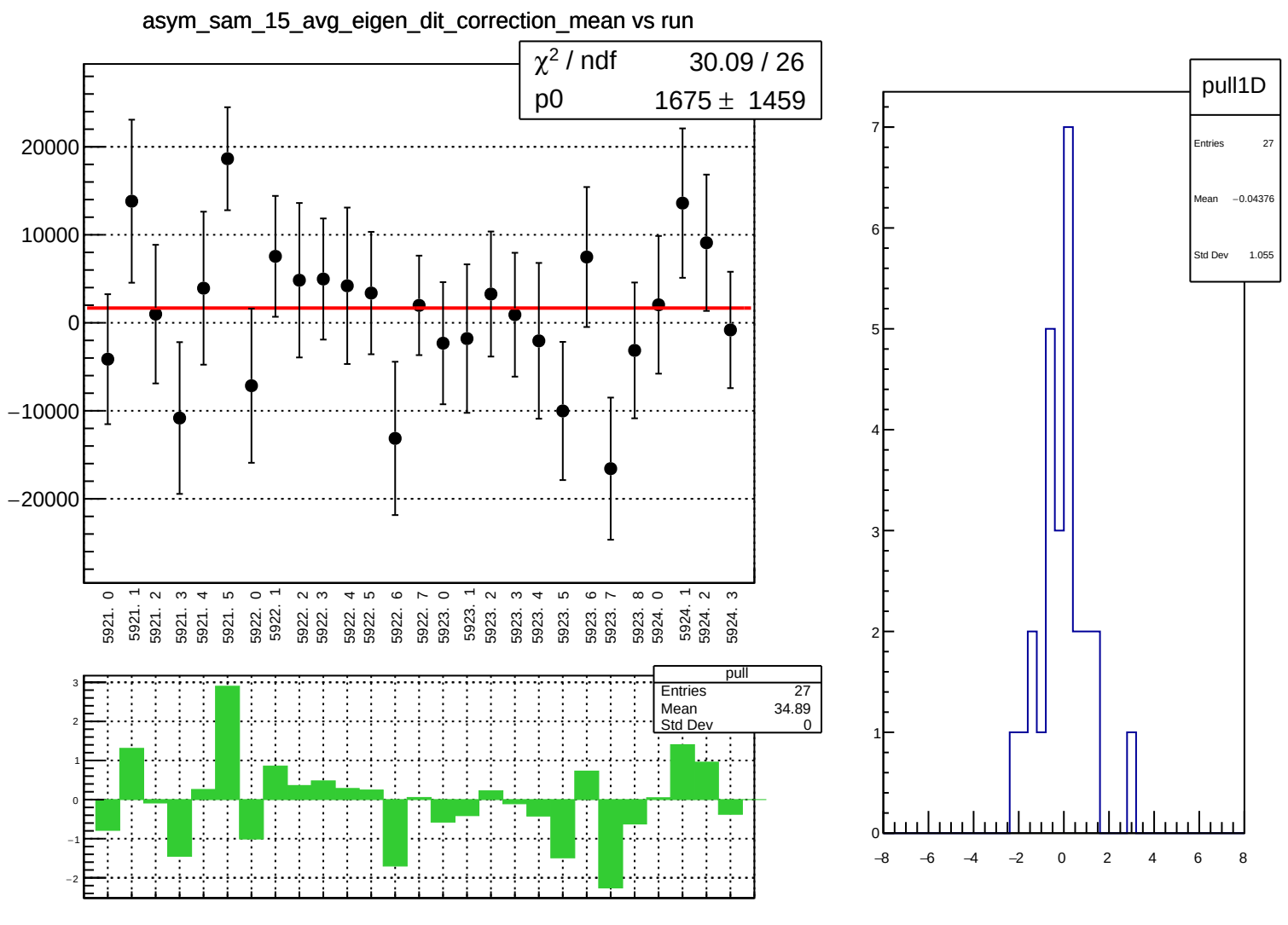

pull1D
Entries 27
Mean −0.04376
Std Dev 1.055
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

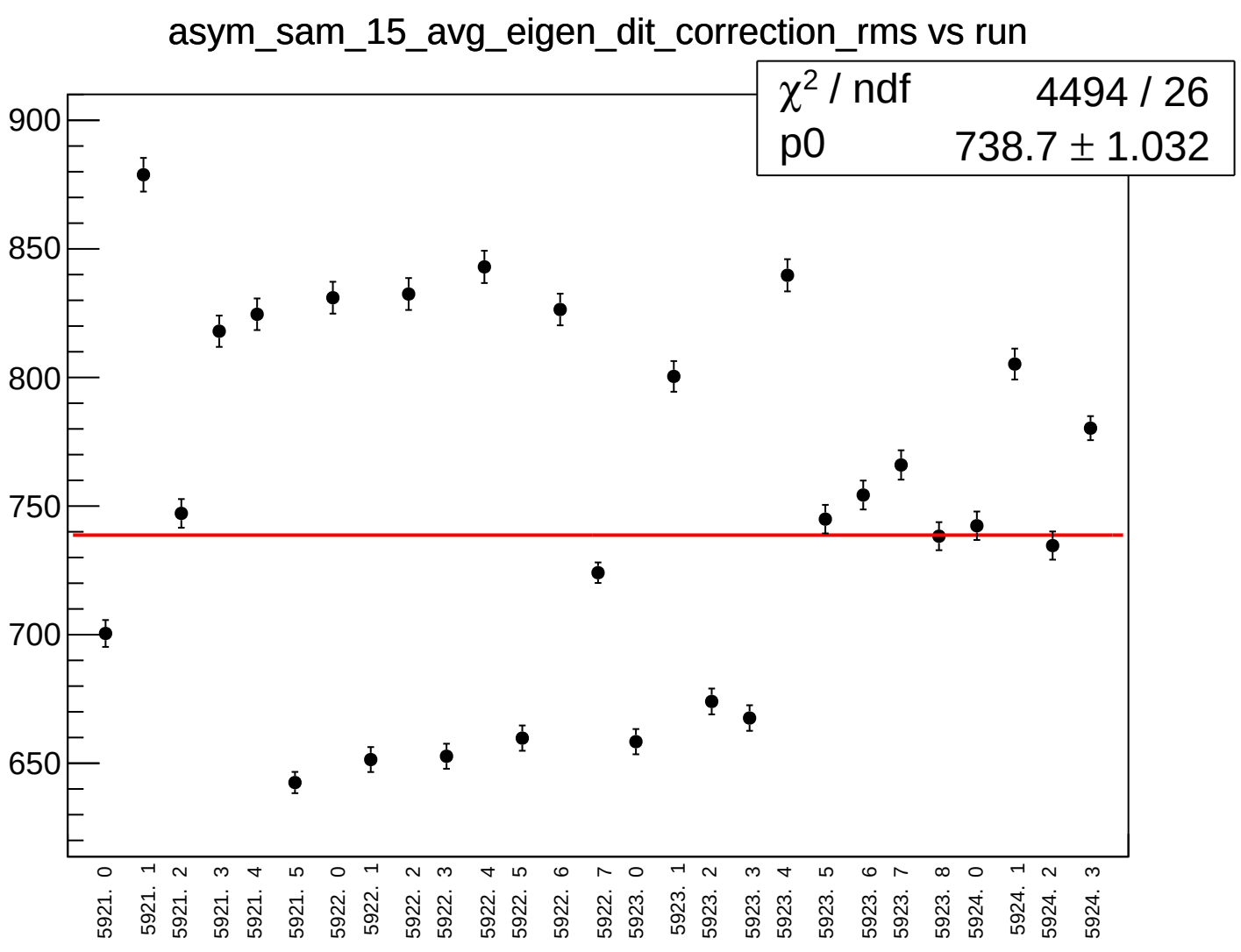

asym_sam_15_avg_dit_correction_rms vs run
χ² / ndf 4494 / 26
p0 738.7 ± 1.032
900
850
800
750
700
650
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

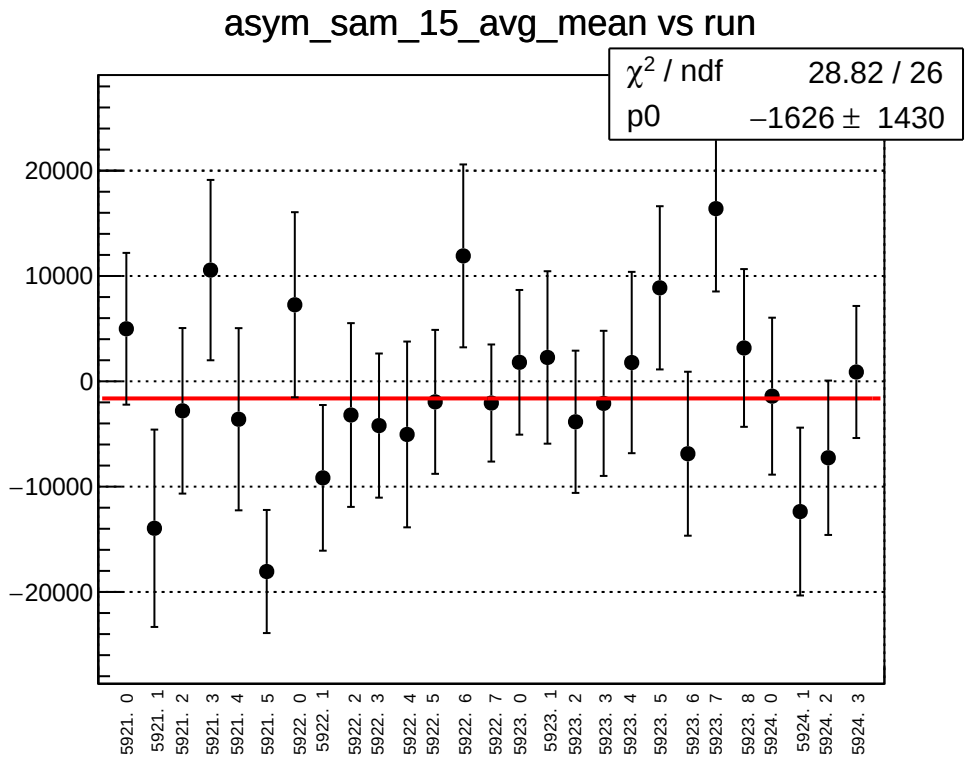

eigen_dit_asym_sam_15_avg_mean vs run
χ² / ndf 27.86 / 26
p0 13.39 ± 174.7
3000
2000
1000
0
−1000
−2000
−3000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 184.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

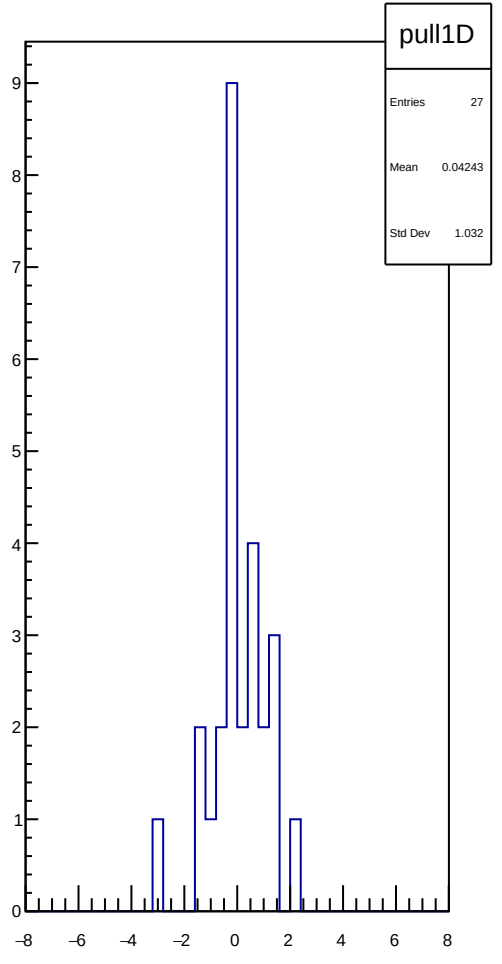

pull1D
Entries 27
Mean 0.007278
Std Dev 1.016
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

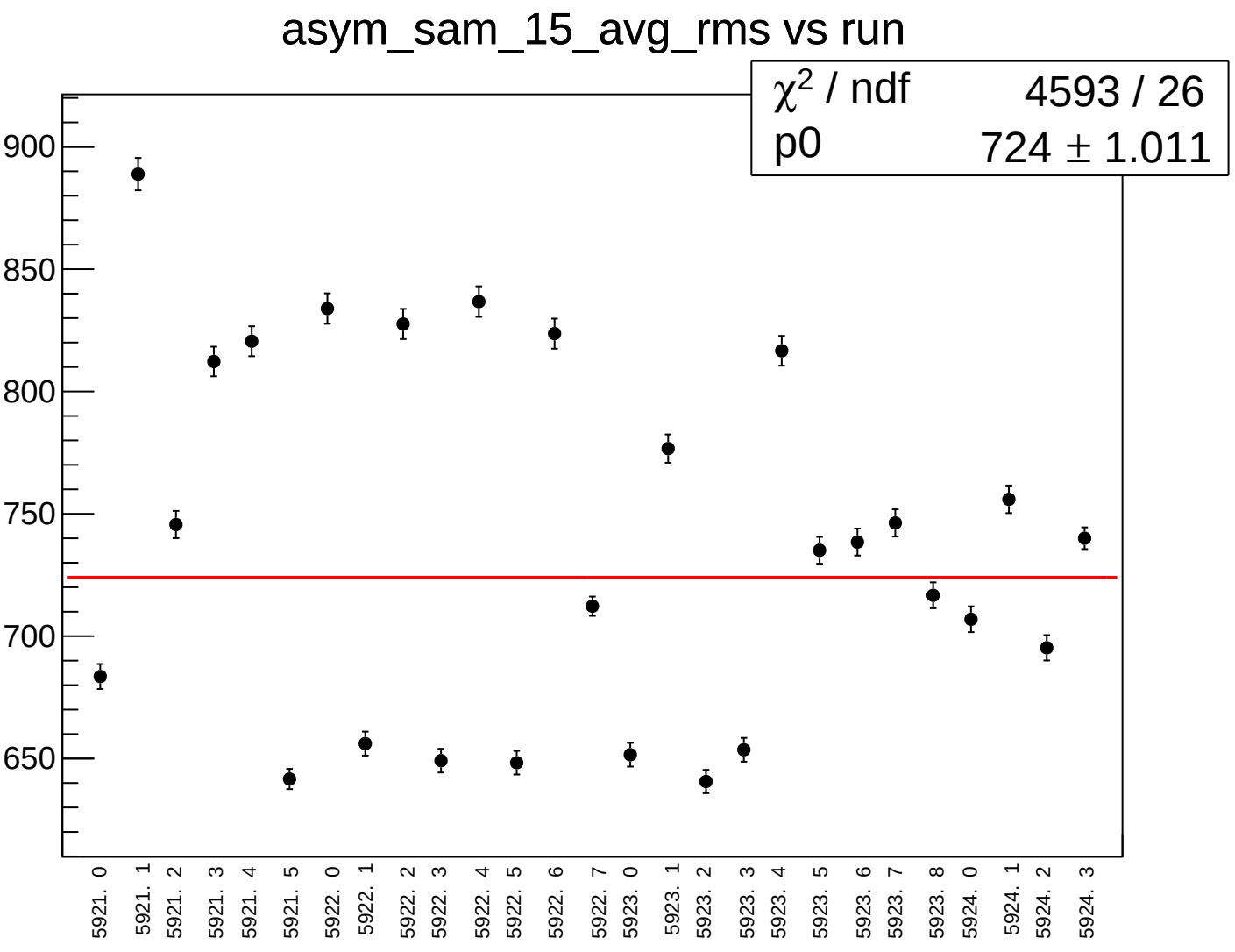

eigen_dit_asym_sam_15_avg_rms vs run
χ² / ndf 1549 / 26
p0 88.71 ± 0.1236
100
95
90
85
80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

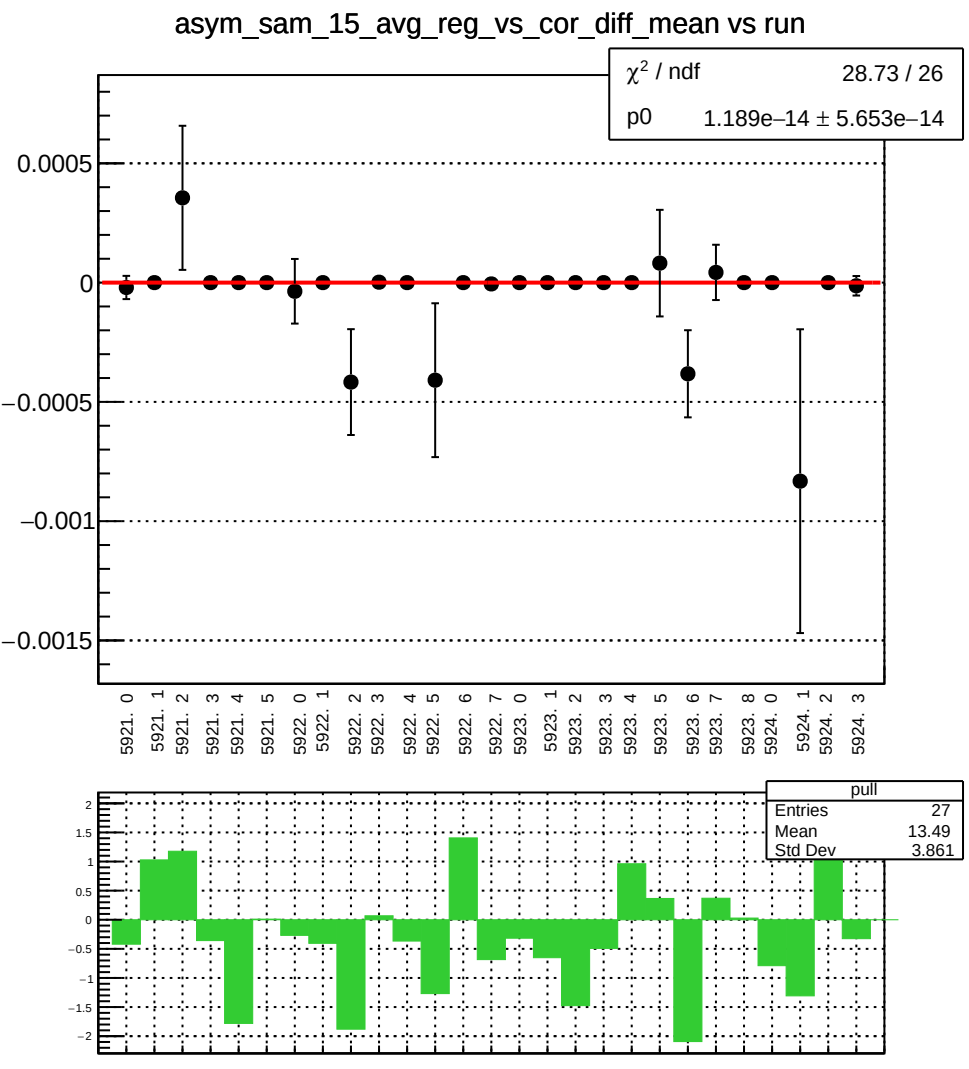

asym_sam_15_avg_eigen_dit_correction_mean vs run
χ² / ndf 30.09 / 26
p0 1675 ± 1459
20000
10000
0
−10000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 34.89
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 27
Mean −0.04376
Std Dev 1.055
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

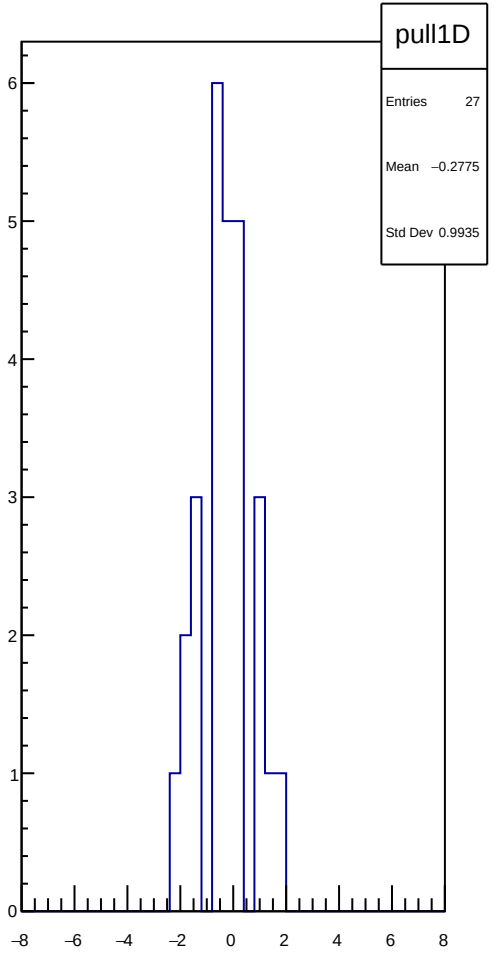

asym_sam_15_avg_eigen_dit_correction_rms vs run
χ² / ndf 4494 / 26
p0 738.7 ± 1.032
900
850
800
750
700
650
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

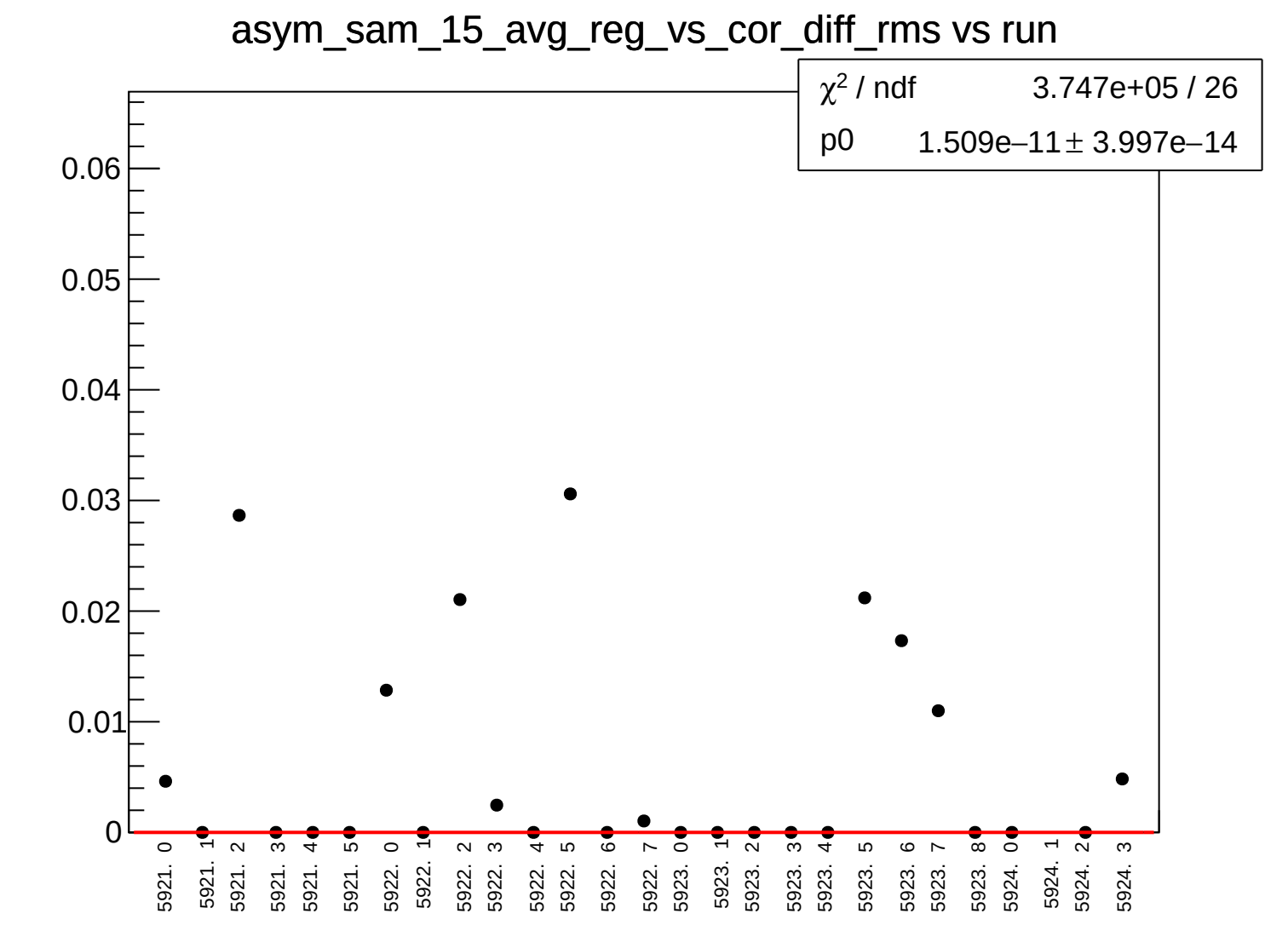

asym_sam_15_avg_mean vs run
χ² / ndf 28.82 / 26
p0 −1626 ± 1430
20000
10000
0
−10000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 38.38
Std Dev 0
2
1
0
−1
−2
−3

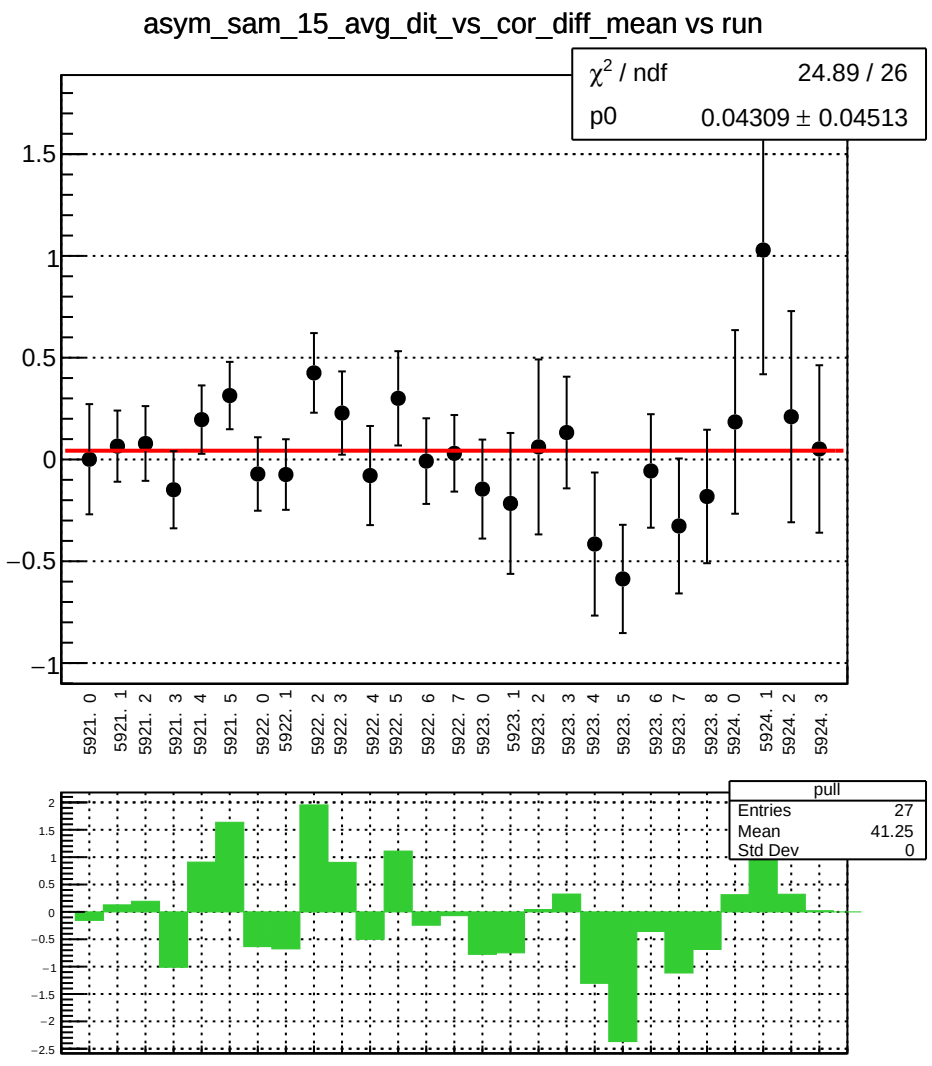

pull1D
Entries 27
Mean 0.04243
Std Dev 1.032
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

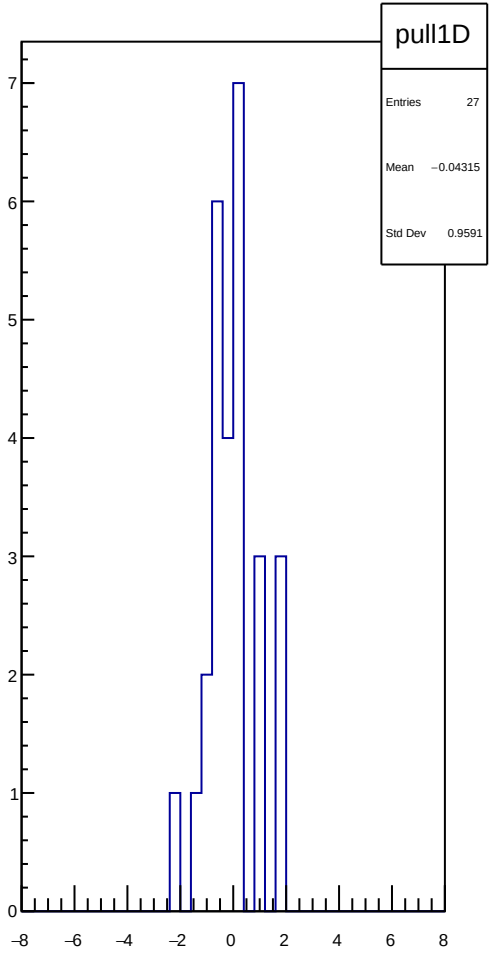

asym_sam_15_avg_rms vs run
χ^2 / ndf 4593 / 26
p0 724 ± 1.011
900
850
800
750
700
650
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

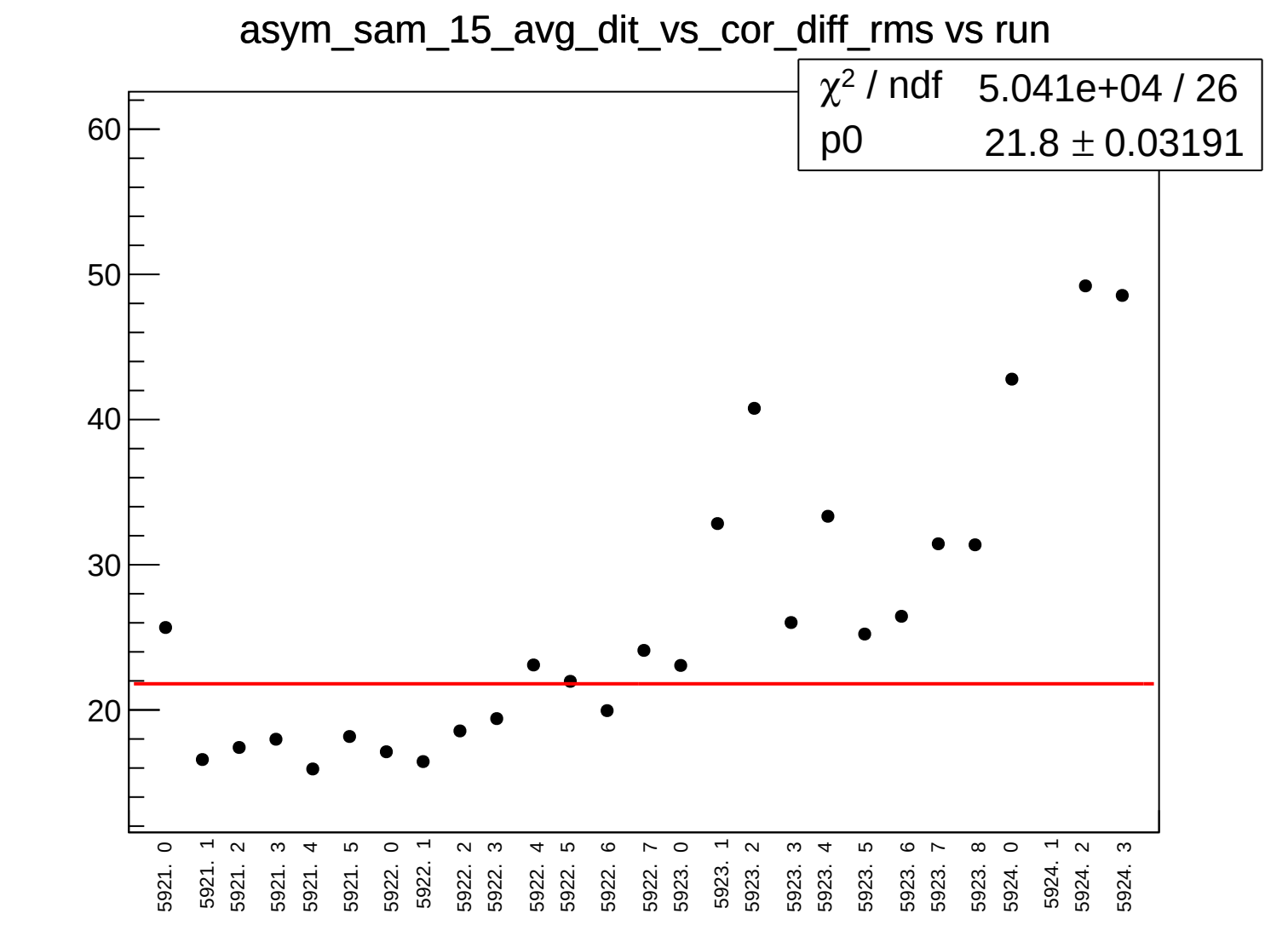

asym_sam_15_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 28.73 / 26
p0 1.189e−14 ± 5.653e−14
0.0005
0
−0.0005
−0.001
−0.0015
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 13.49
Std Dev 3.861
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

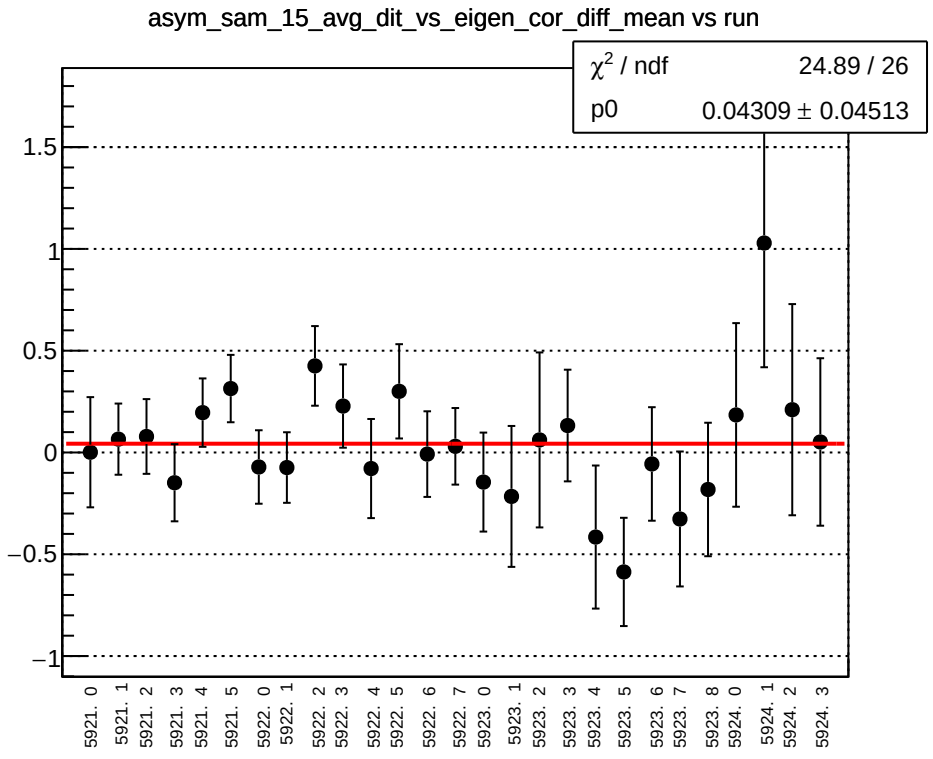

pull1D
Entries 27
Mean −0.2775
Std Dev 0.9935
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

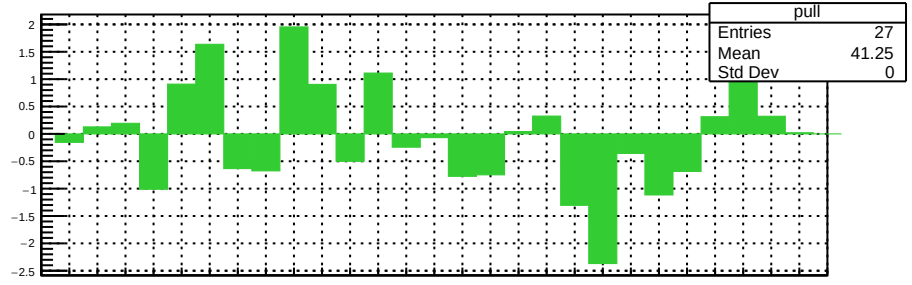

asym_sam_15_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.747e+05 / 26
p0 1.509e−11 ± 3.997e−14
0.06
0.05
0.04
0.03
0.02
0.01
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

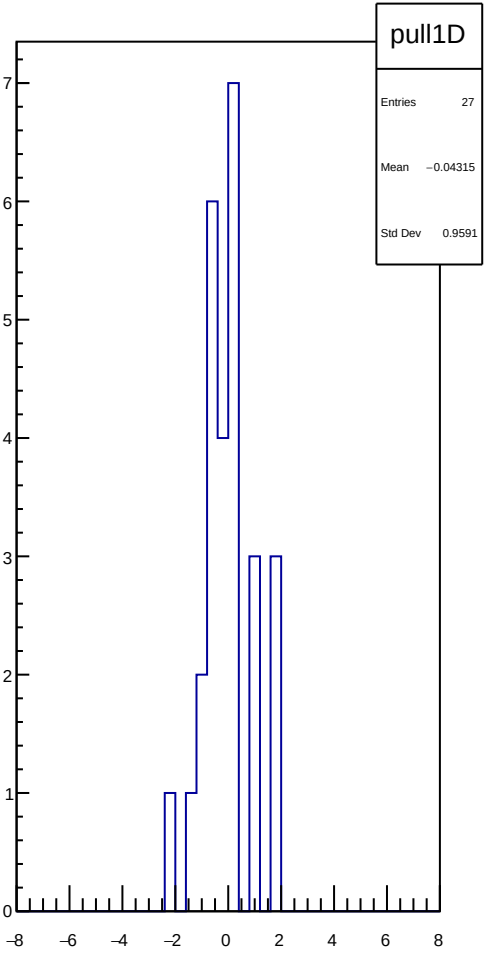

asym_sam_15_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 24.89 / 26
p0 0.04309 ± 0.04513
1.5
1
0.5
0
−0.5
−1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 41.25
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

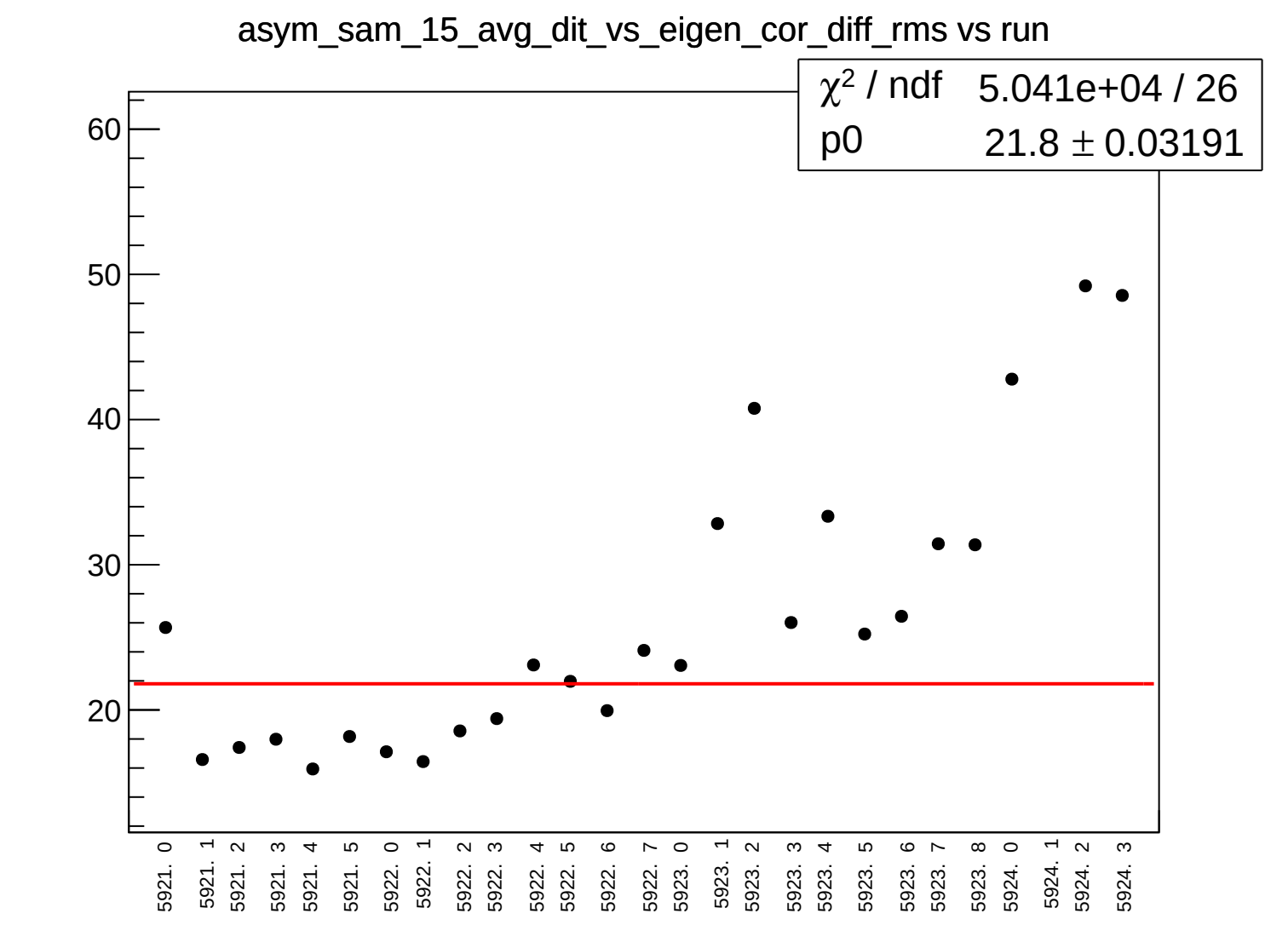

pull1D
Entries 27
Mean −0.04315
Std Dev 0.9591
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

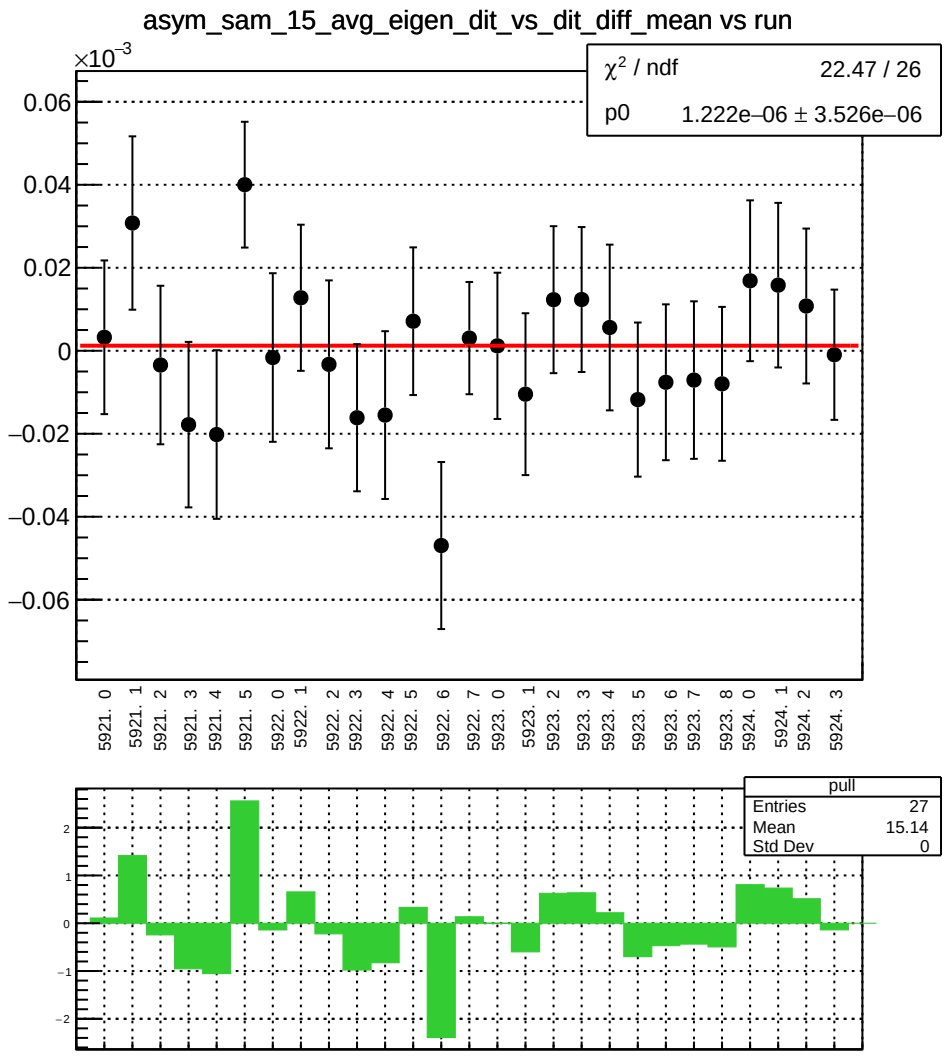

asym_sam_15_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.041e+04 / 26
p0 21.8 ± 0.03191
60
50
40
30
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

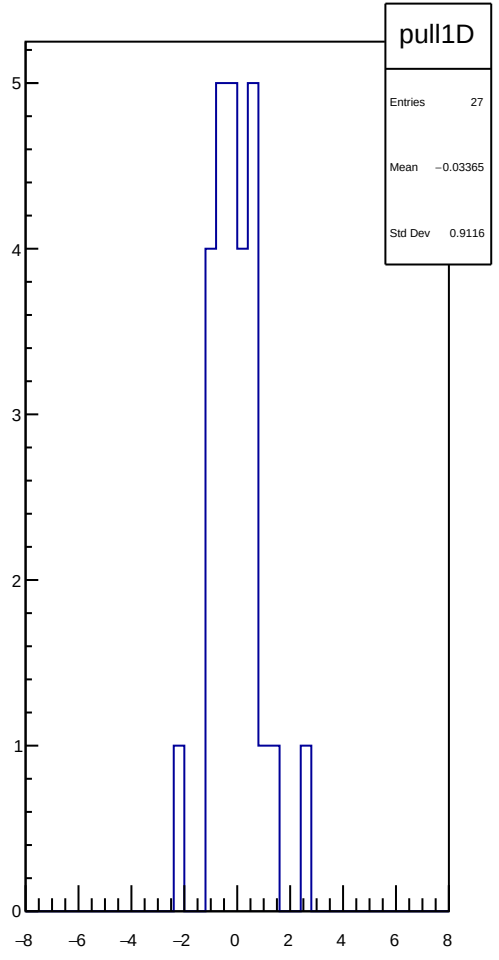

asym_sam_15_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 24.89 / 26
p0 0.04309 ± 0.04513
1.5
1
0.5
0
−0.5
−1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

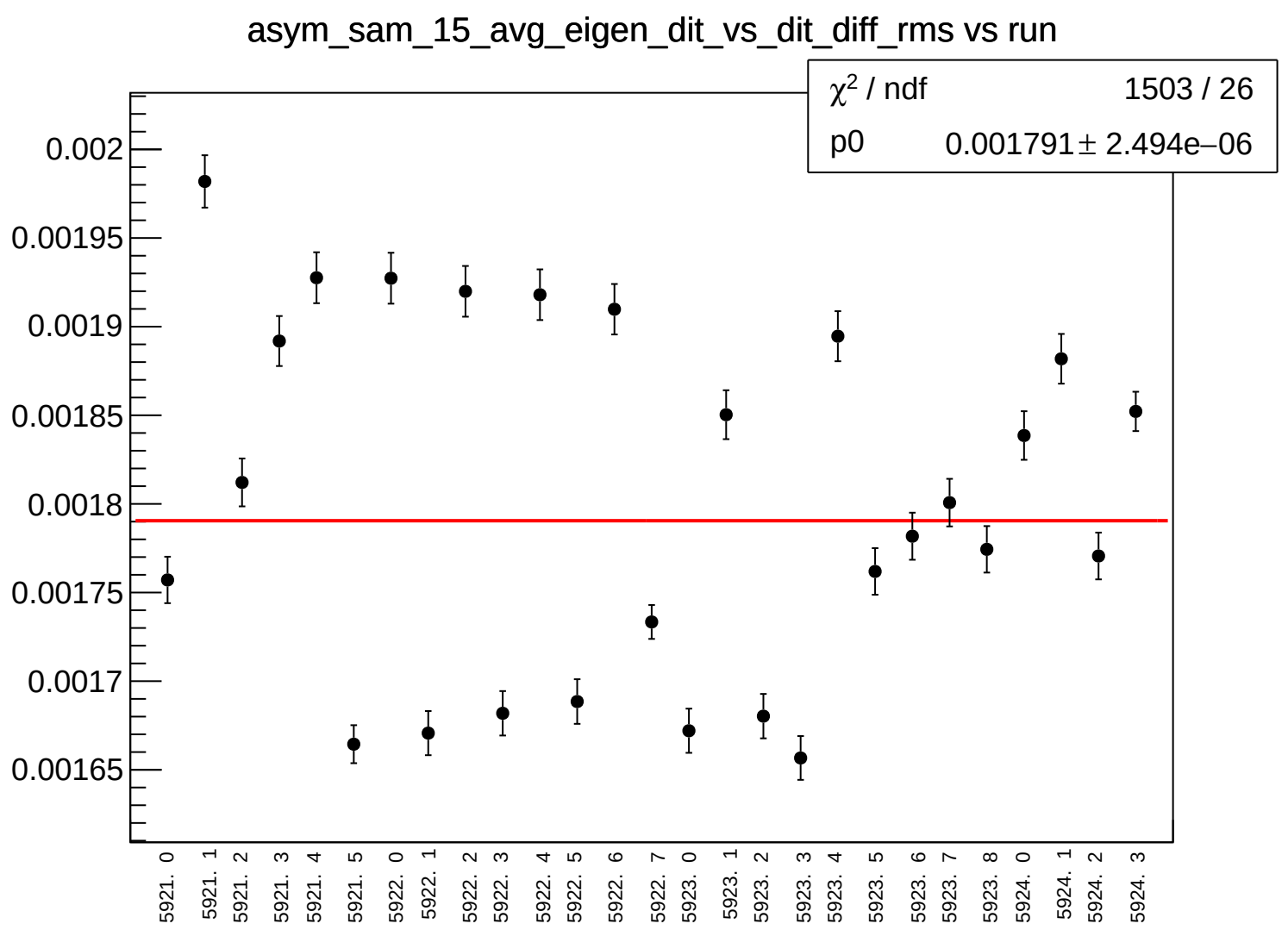

pull
Entries 27
Mean 41.25
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

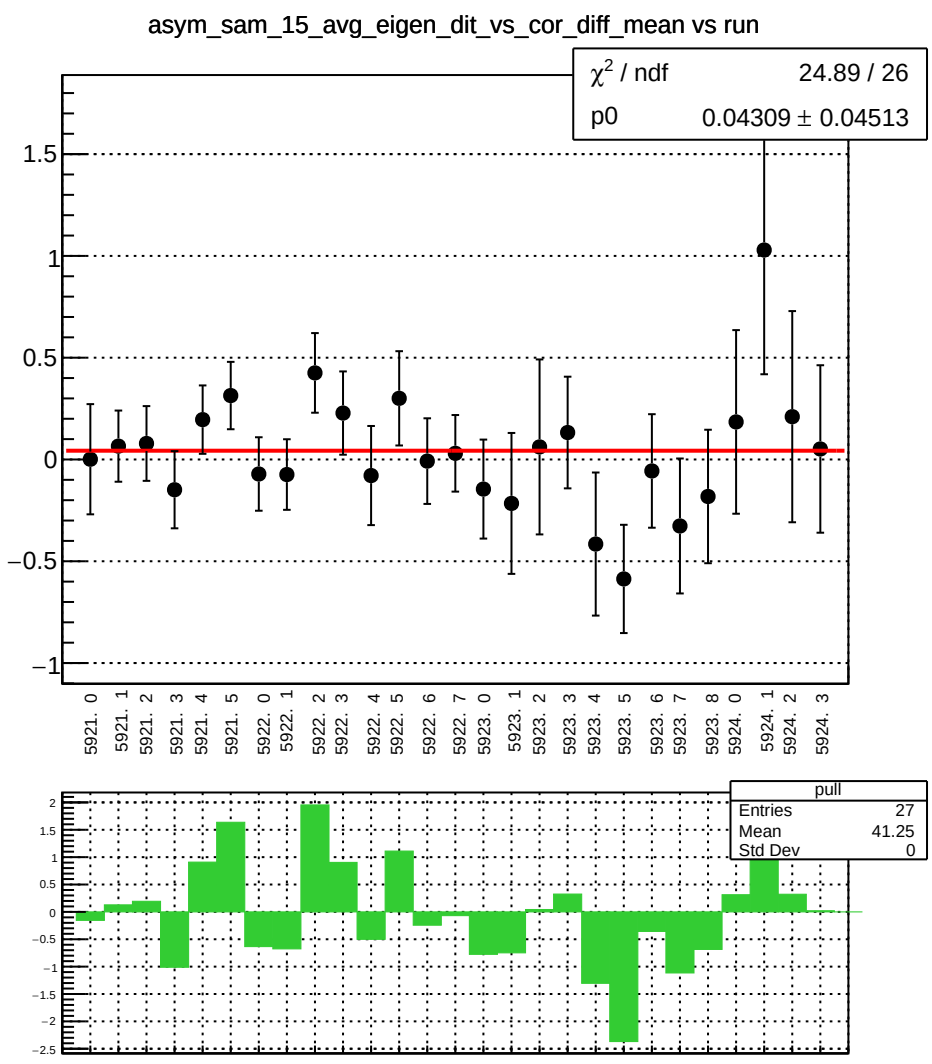

pull1D
Entries 27
Mean −0.04315
Std Dev 0.9591
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

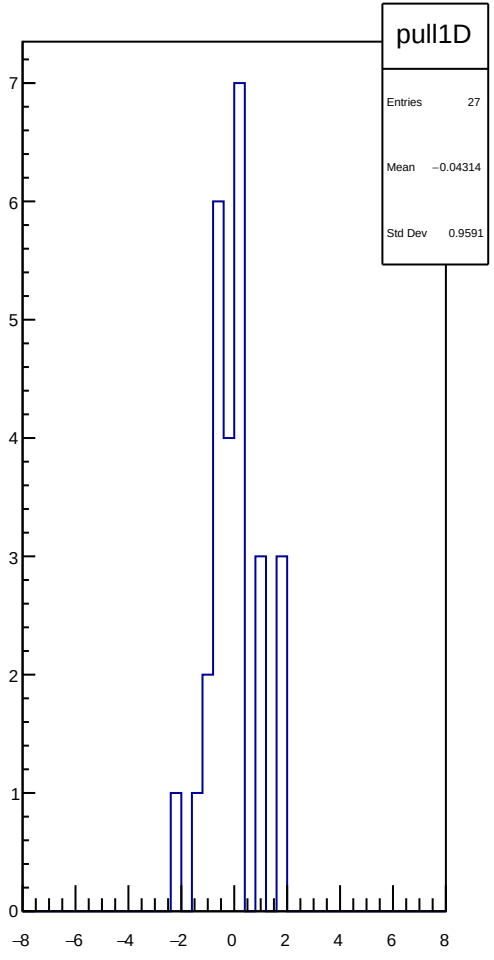

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.041e+04 / 26
p0 21.8 ± 0.03191
60
50
40
30
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

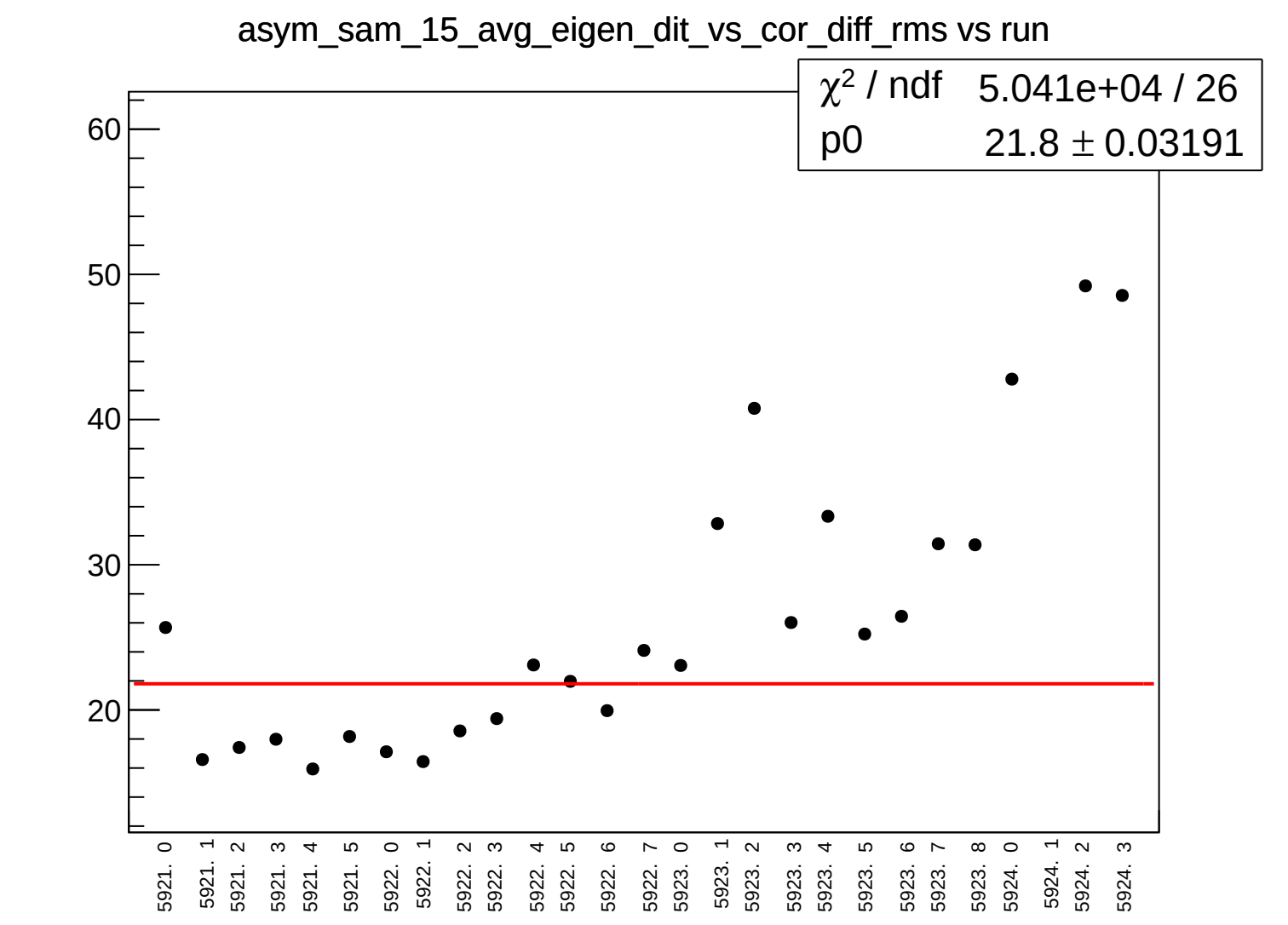

asym_sam_15_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 22.47 / 26
p0 1.222e−06 ± 3.526e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 15.14
Std Dev 0
2
1
0
−1
−2

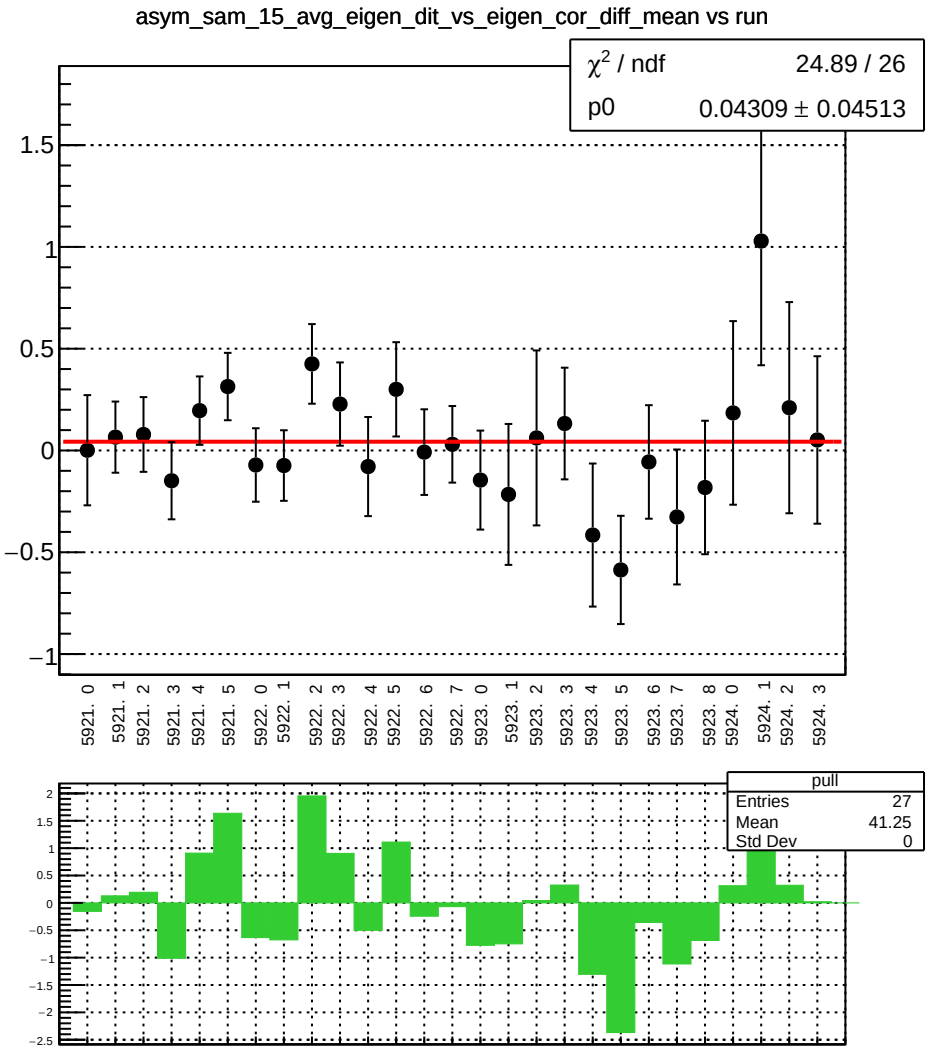

pull1D
Entries 27
Mean −0.03365
Std Dev 0.9116
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

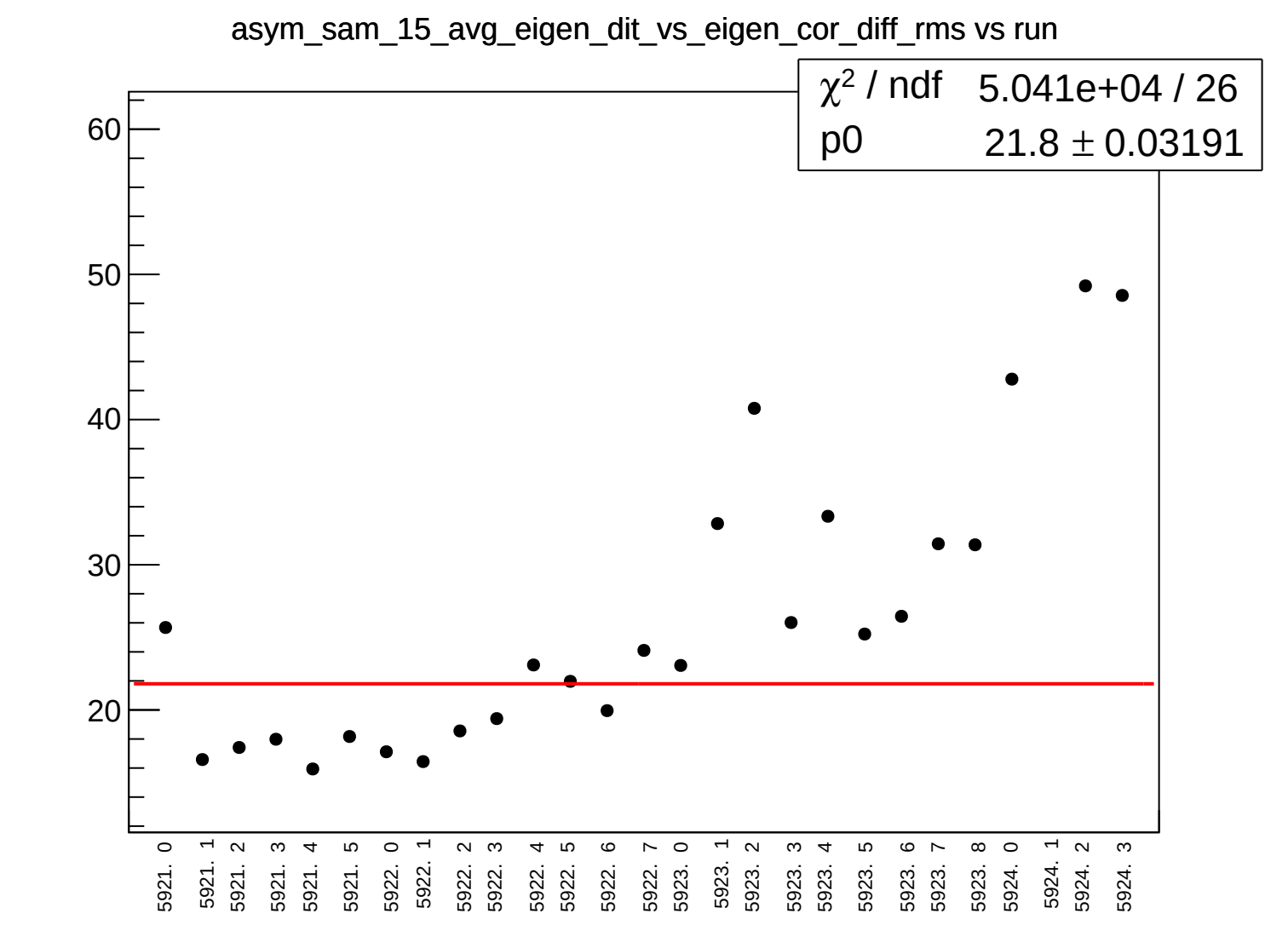

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1503 / 26
p0 0.001791 ± 2.494e−06
0.002
0.00195
0.0019
0.00185
0.0018
0.00175
0.0017
0.00165
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

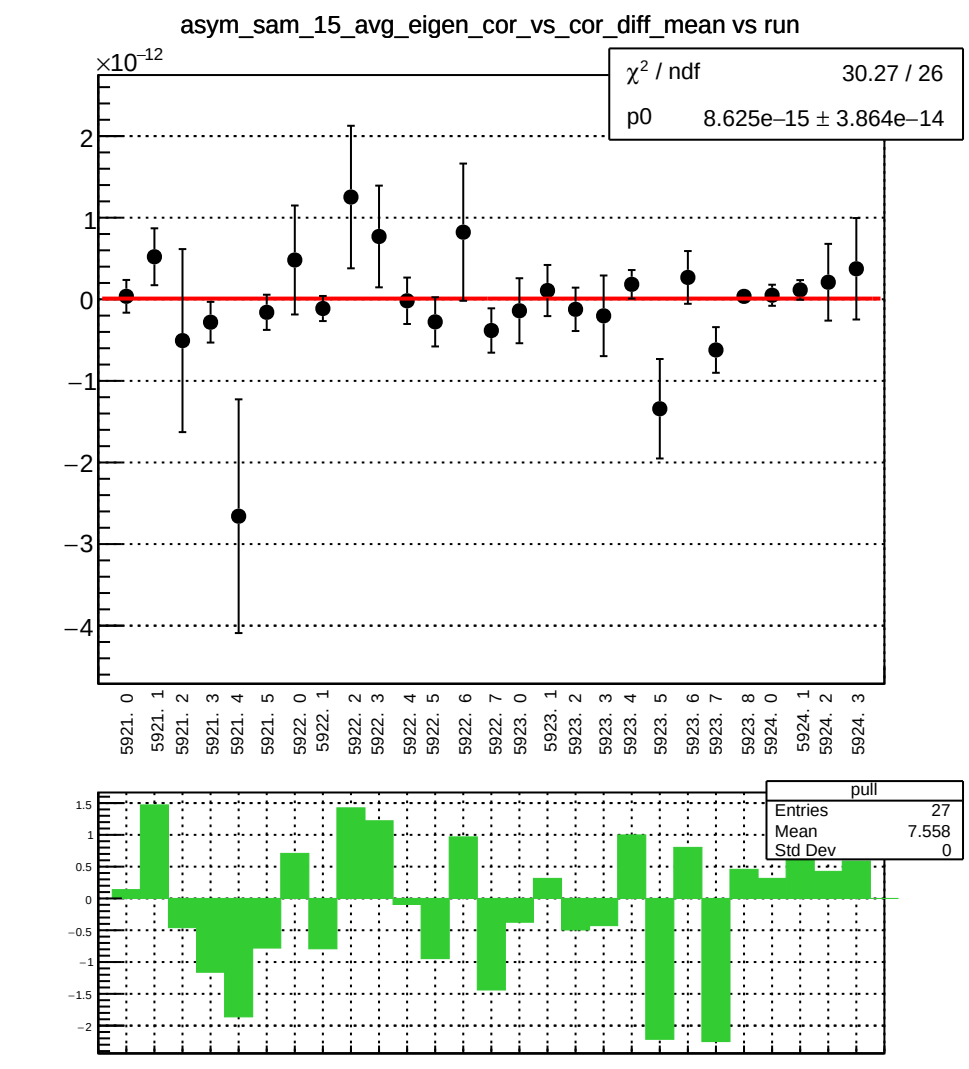

asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 24.89 / 26
p0 0.04309 ± 0.04513
1.5
1
0.5
0
−0.5
−1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 41.25
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

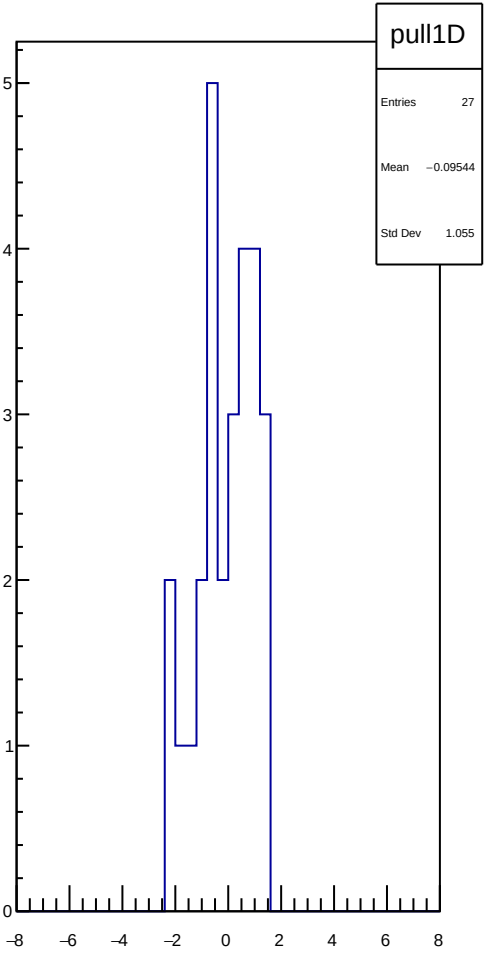

pull1D
Entries 27
Mean −0.04314
Std Dev 0.9591
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

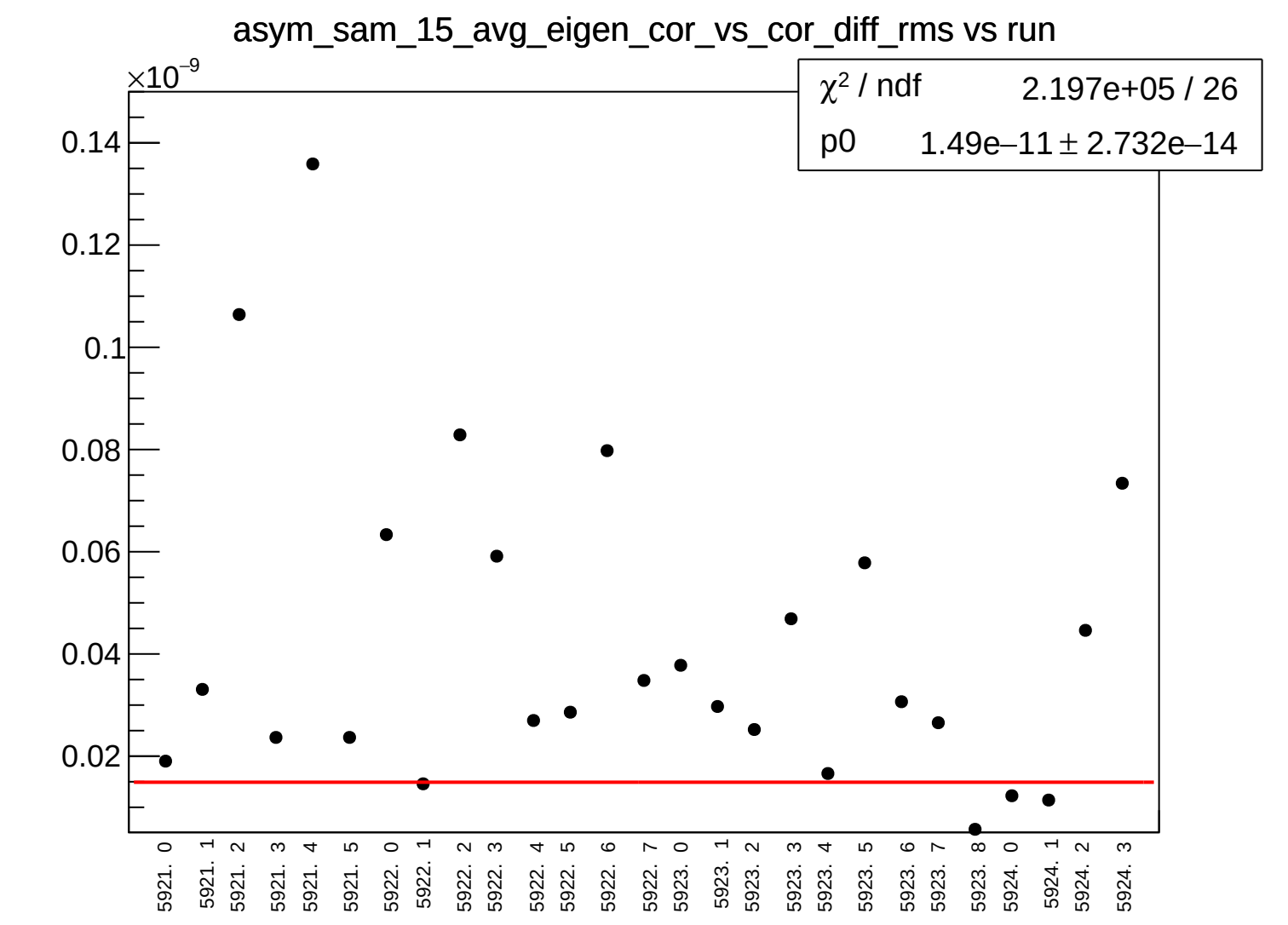

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.041e+04 / 26
p0 21.8 ± 0.03191
60
50
40
30
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

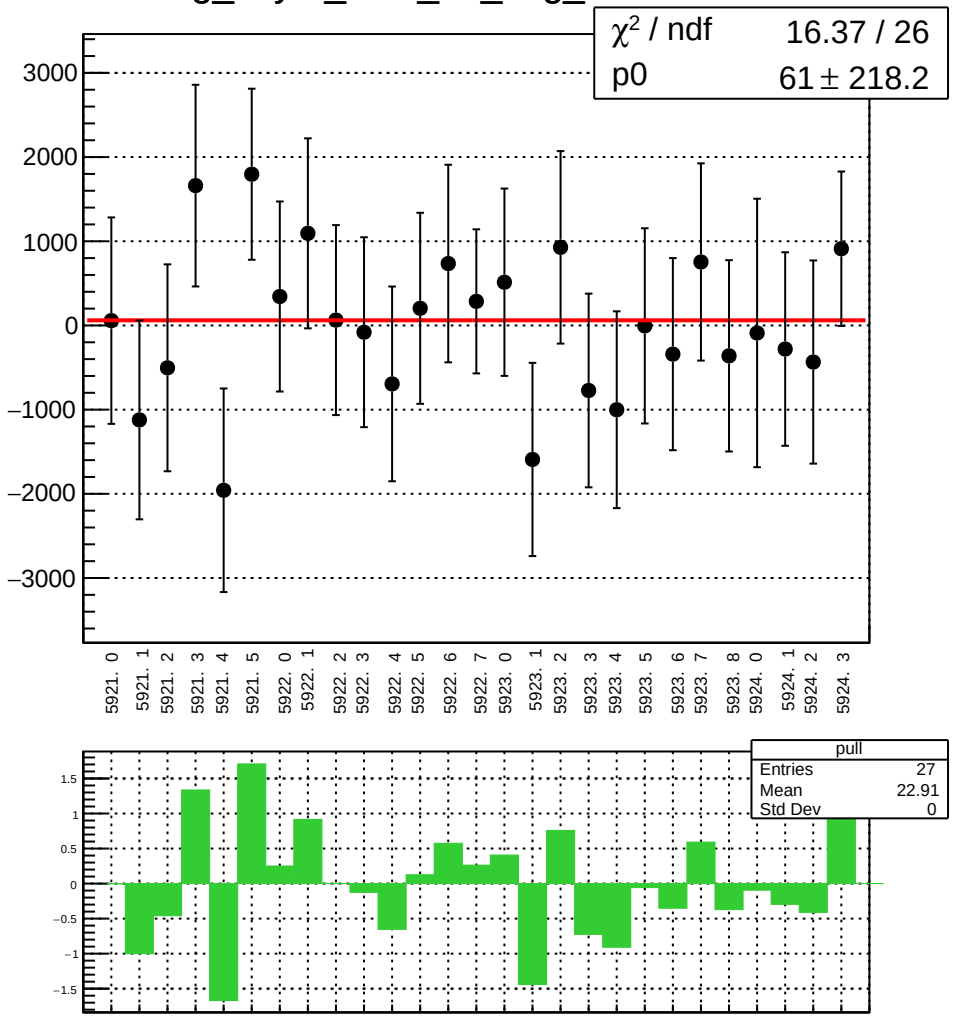

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 24.89 / 26
p0 0.04309 ± 0.04513
1.5
1
0.5
0
−0.5
−1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 41.25
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean −0.04314
Std Dev 0.9591
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

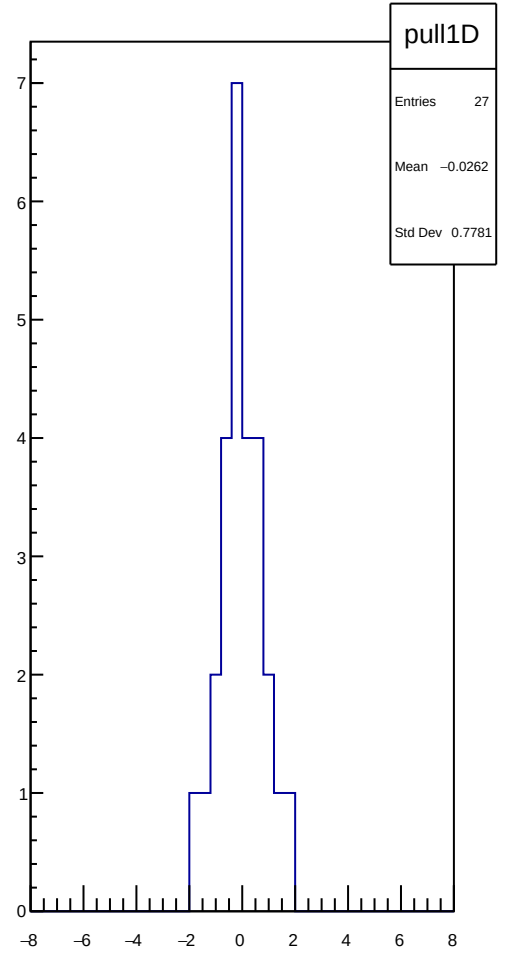

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.041e+04 / 26
p0 21.8 ± 0.03191
60
50
40
30
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

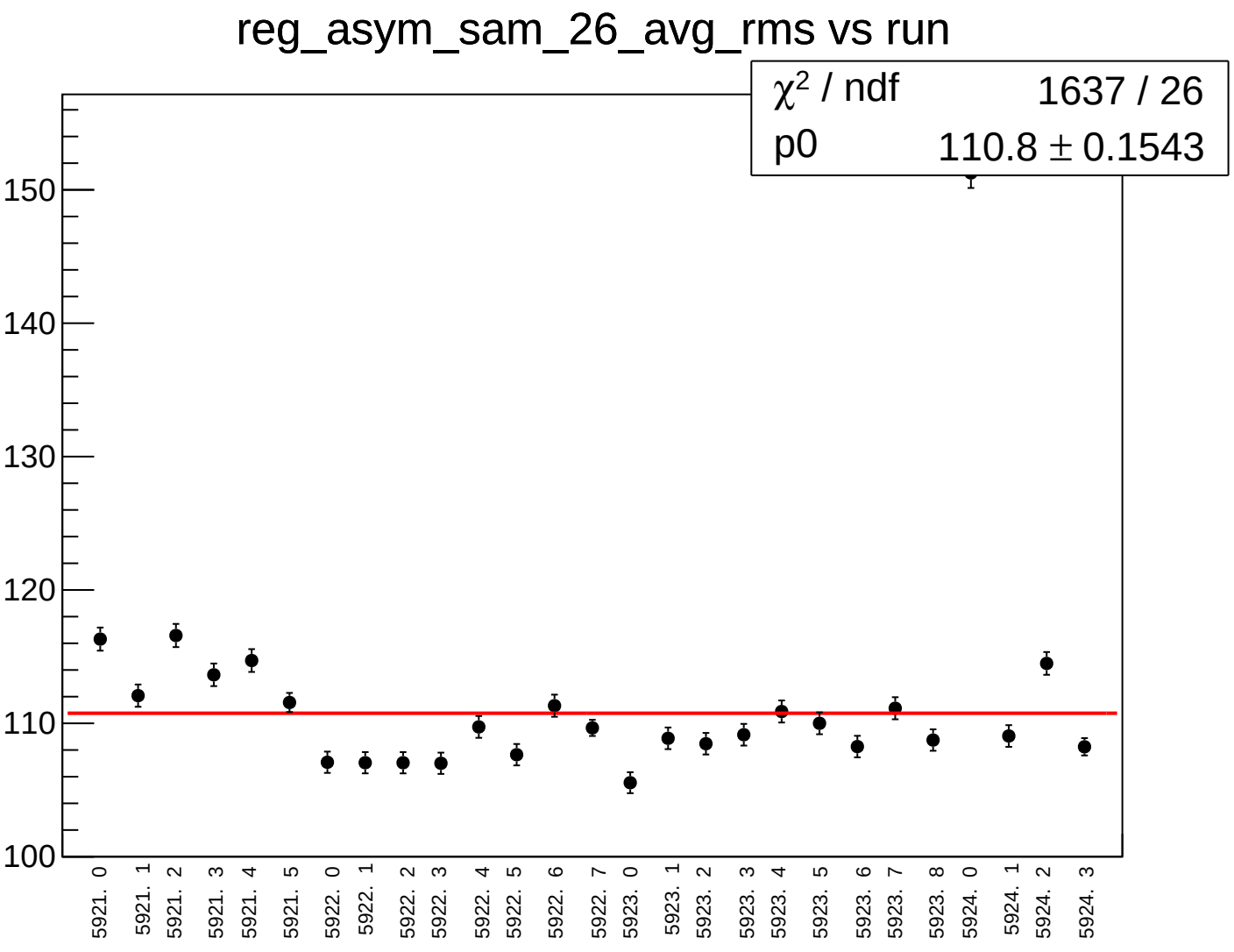

asym_sam_15_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 30.27 / 26
p0 8.625e−15 ± 3.864e−14
2
1
0
−1
−2
−3
−4
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 7.558
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

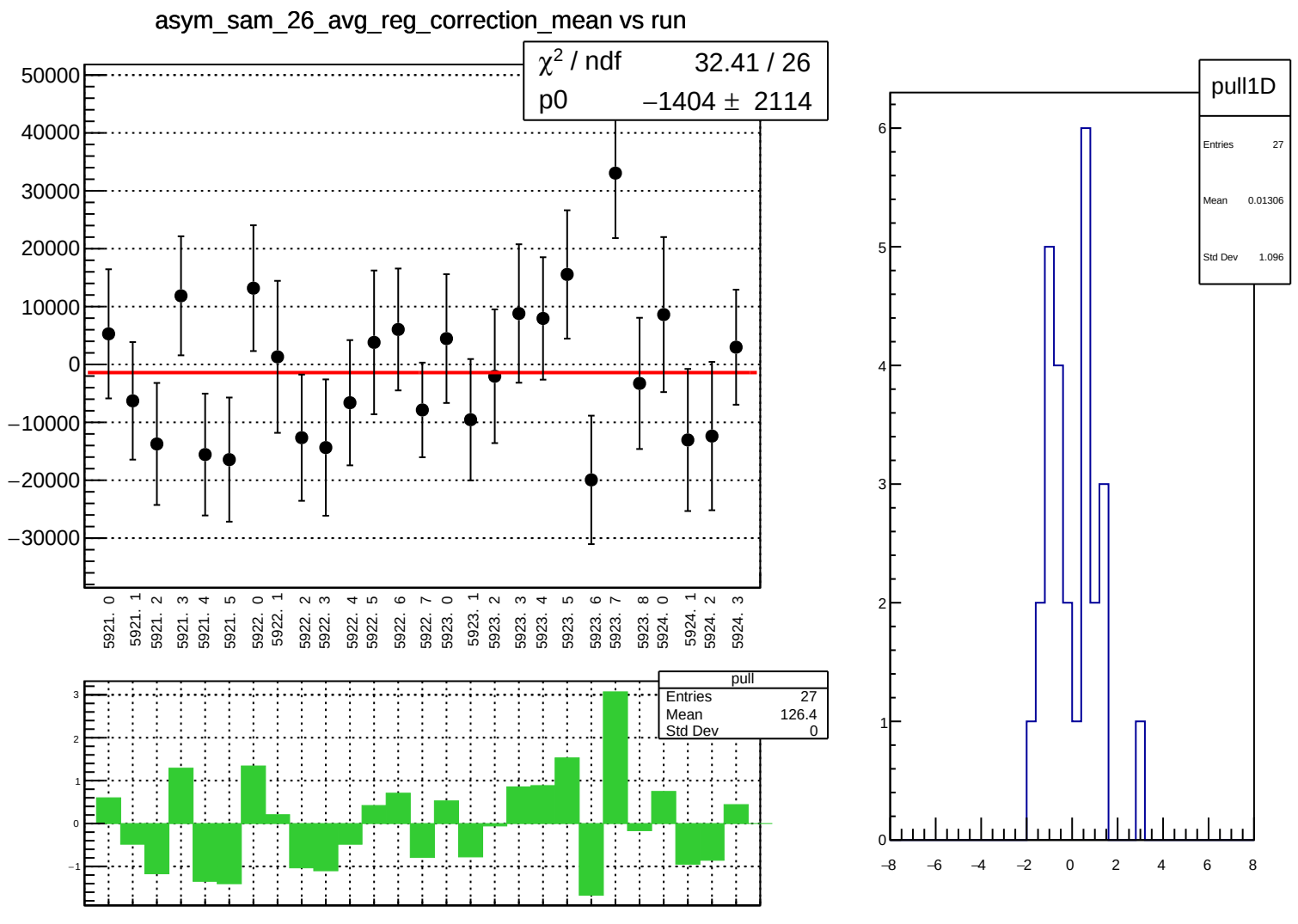

pull1D
Entries 27
Mean −0.09544
Std Dev 1.055
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

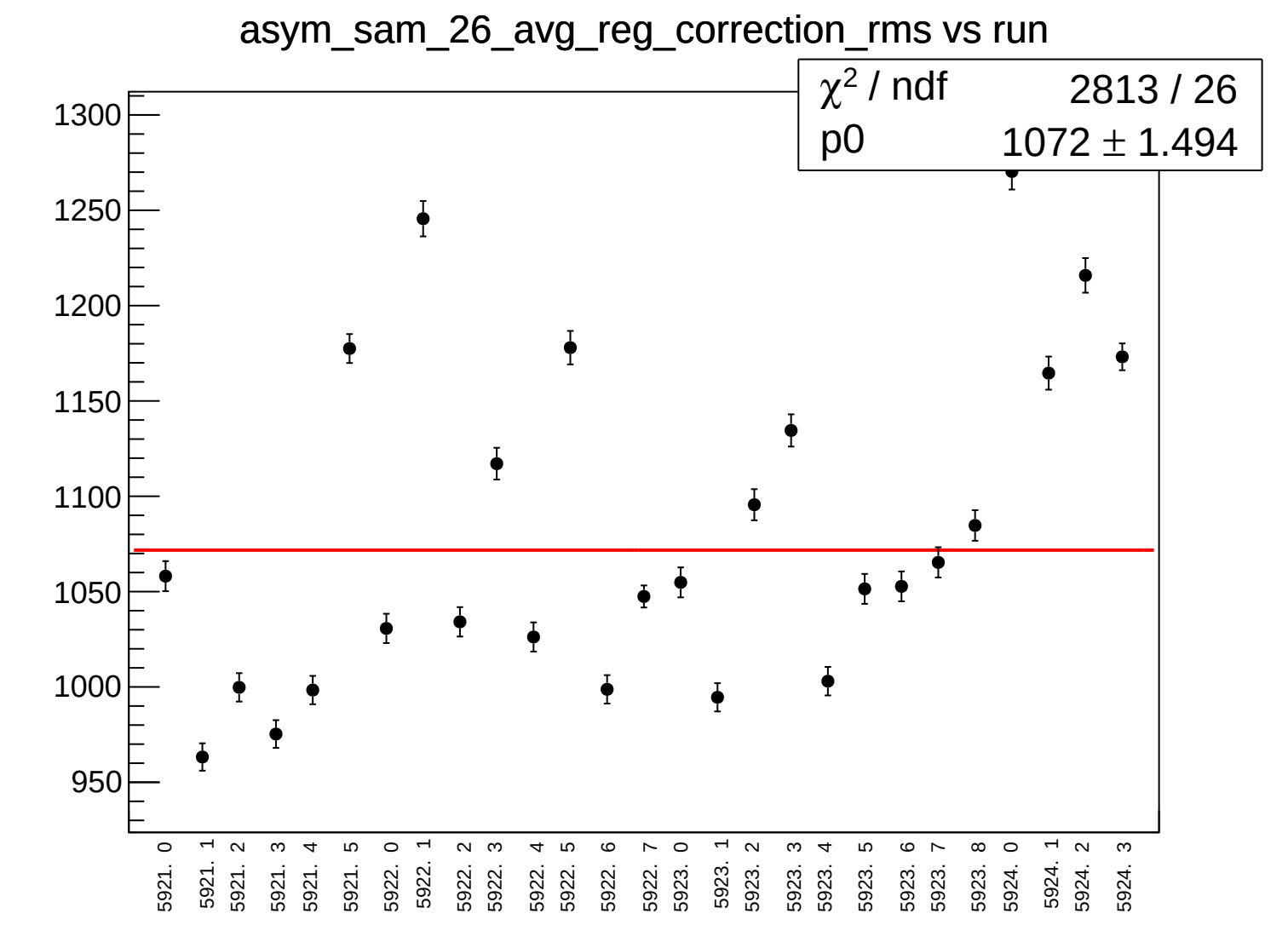

asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.197e+05 / 26
p0 1.49e−11 ± 2.732e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

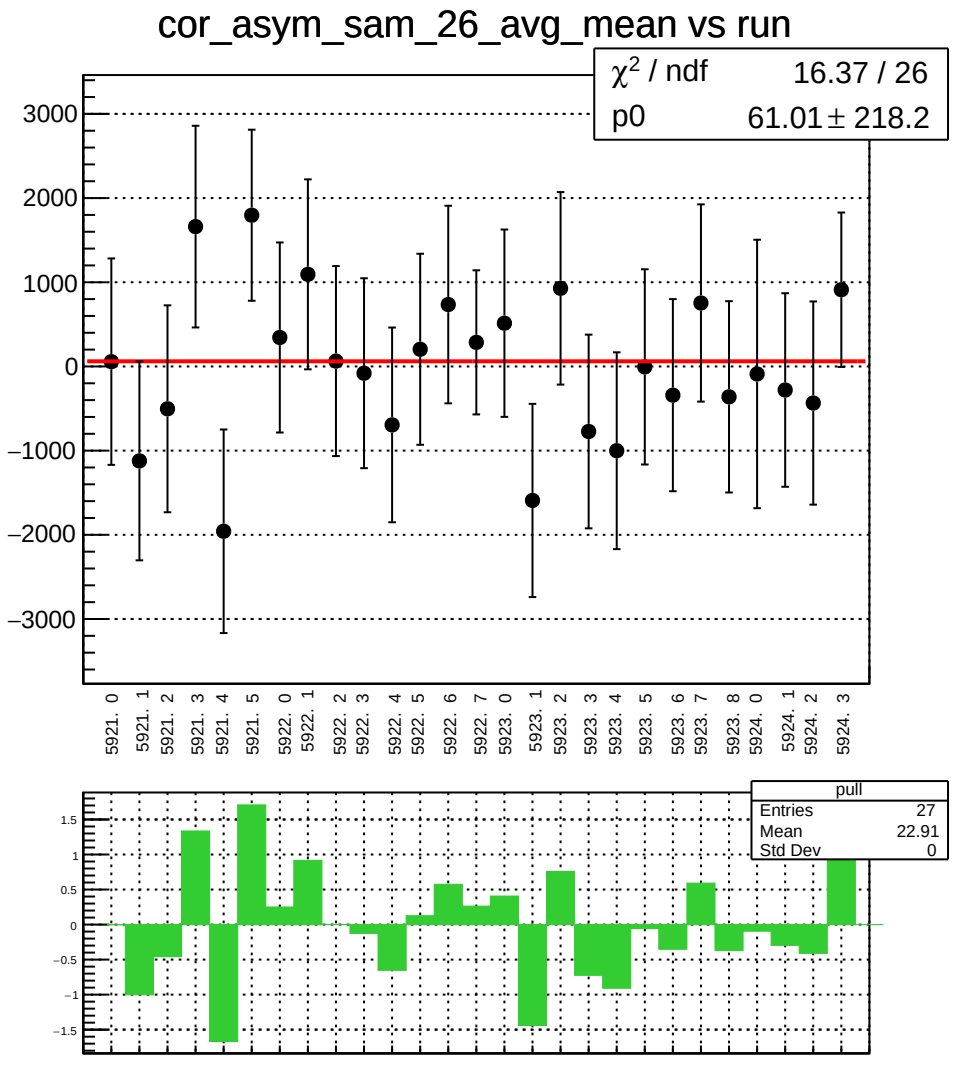

reg_asym_sam_26_avg_mean vs run
χ² / ndf 16.37 / 26
p0 61 ± 218.2
3000
2000
1000
0
−1000
−2000
−3000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 22.91
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

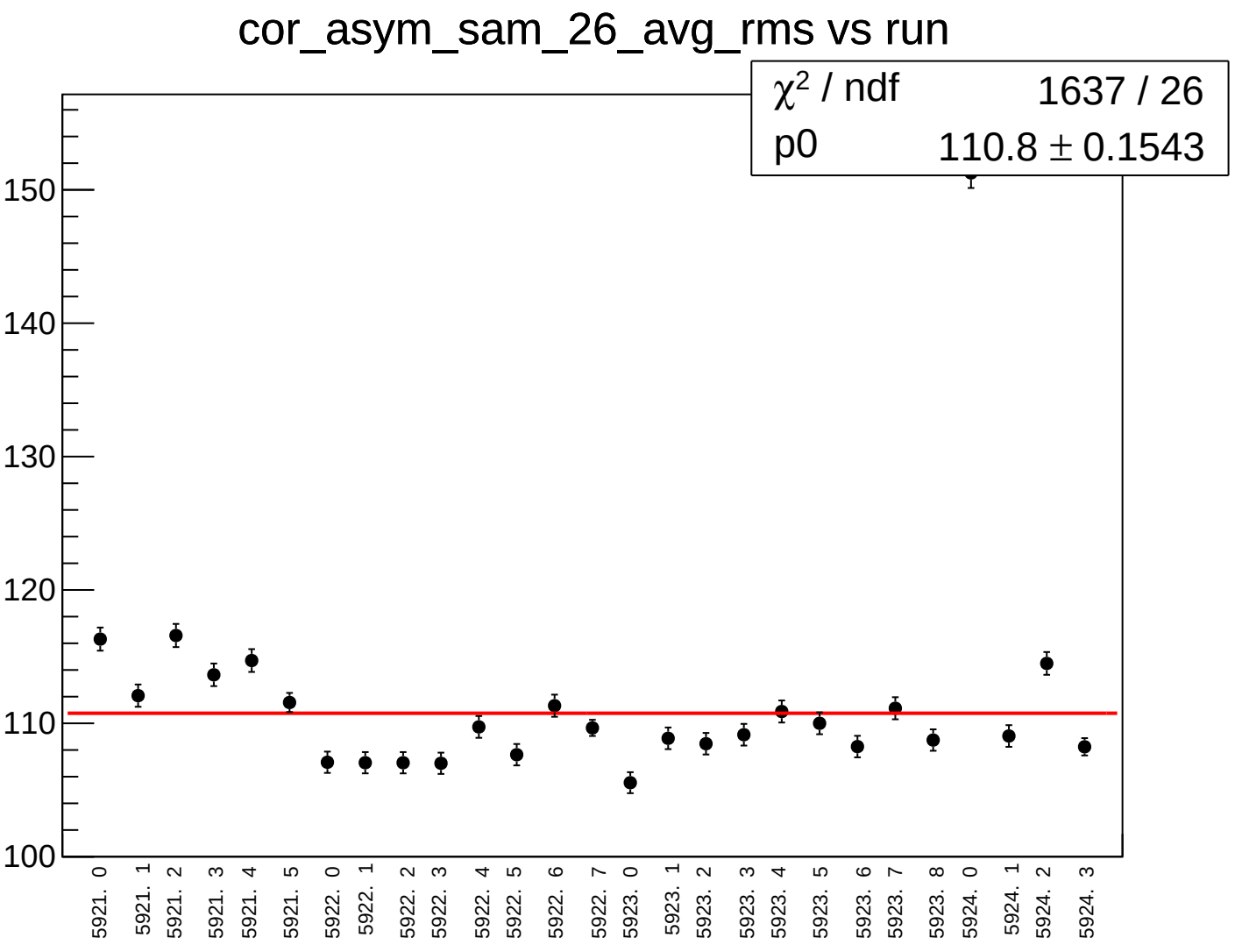

pull1D
Entries 27
Mean −0.0262
Std Dev 0.7781
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

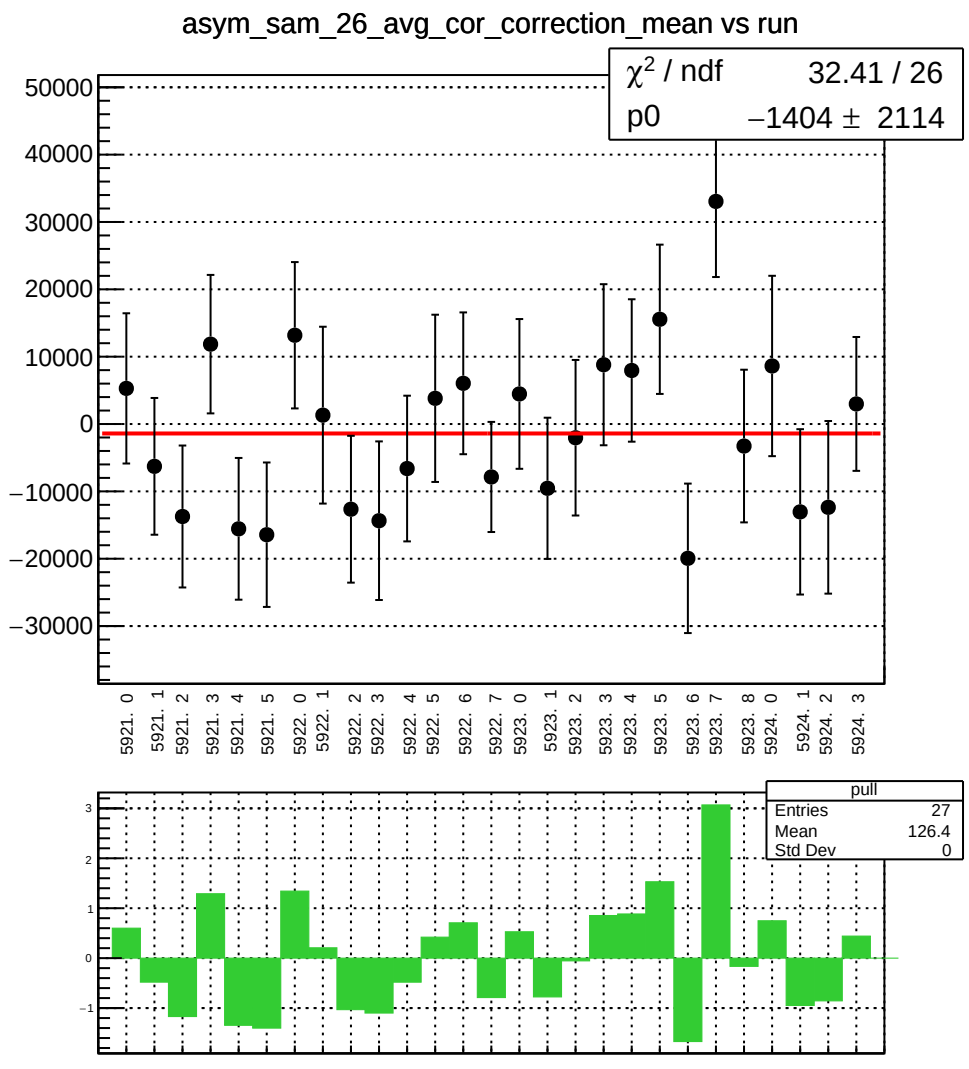

reg_asym_sam_26_avg_rms vs run
χ² / ndf 1637 / 26
p0 110.8 ± 0.1543
150
140
130
120
110
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

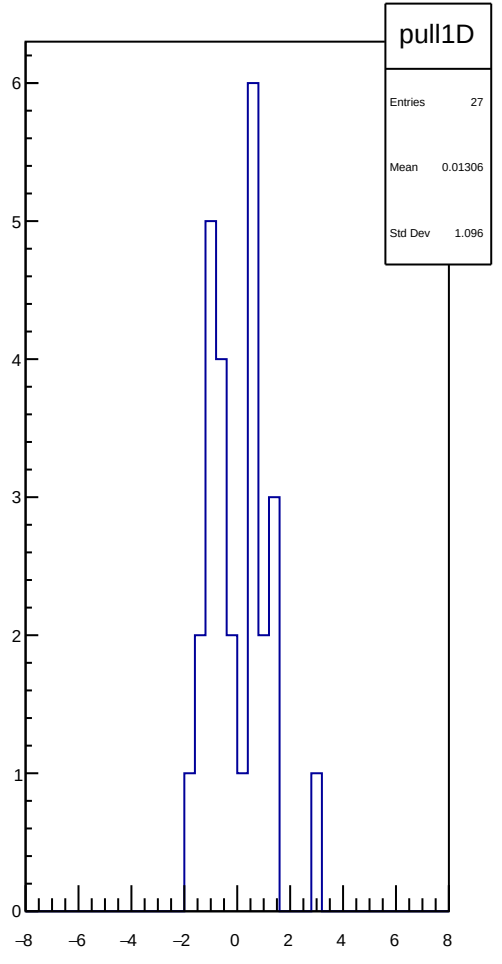

asym_sam_26_avg_reg_correction_mean vs run
χ² / ndf 32.41 / 26
p0 −1404 ± 2114
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 126.4
Std Dev 0
3
2
1
0
−1
pull1D
Entries 27
Mean 0.01306
Std Dev 1.096
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

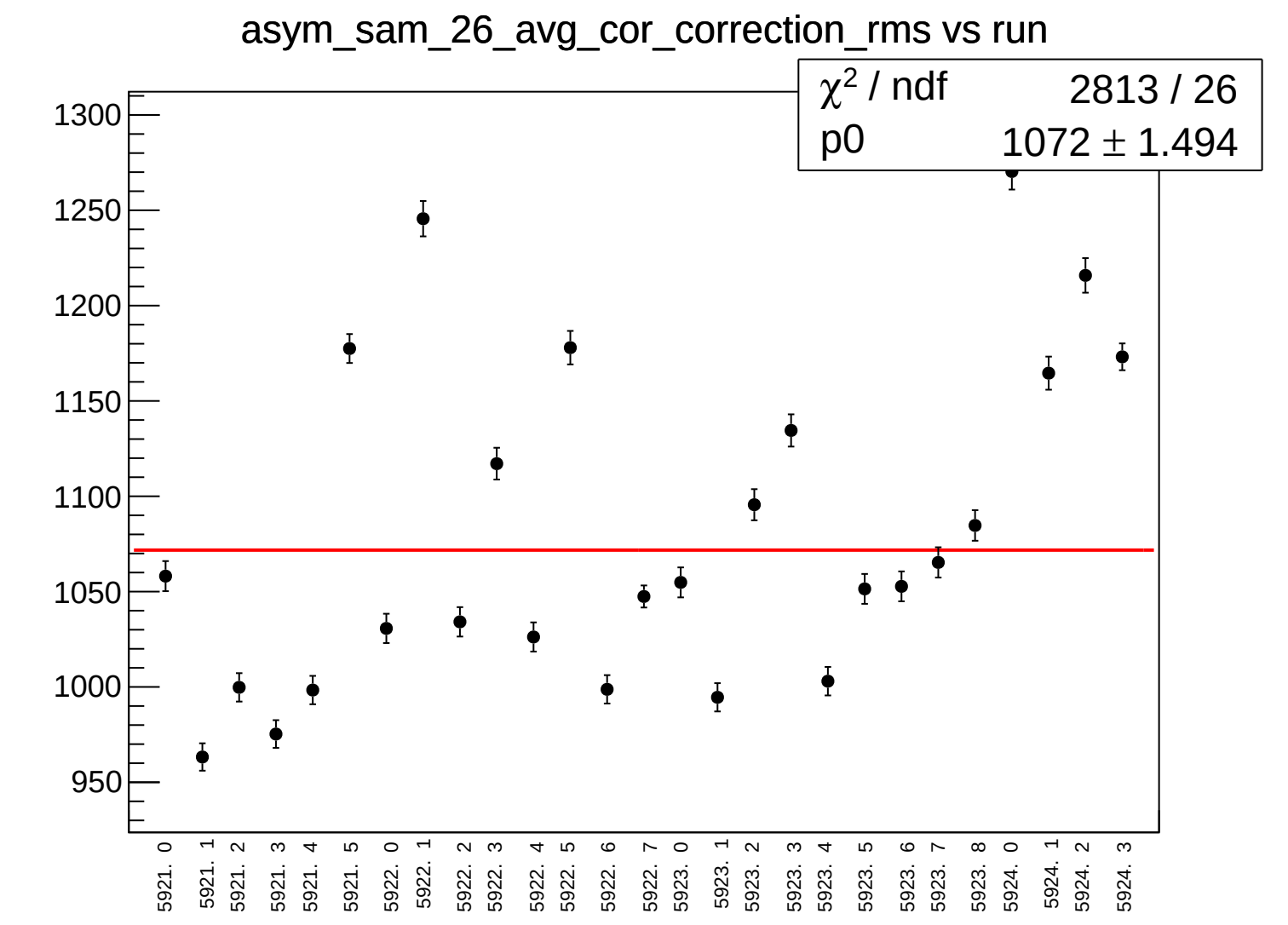

asym_sam_26_avg_reg_correction_rms vs run
χ² / ndf 2813 / 26
p0 1072 ± 1.494
1300
1250
1200
1150
1100
1050
1000
950
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

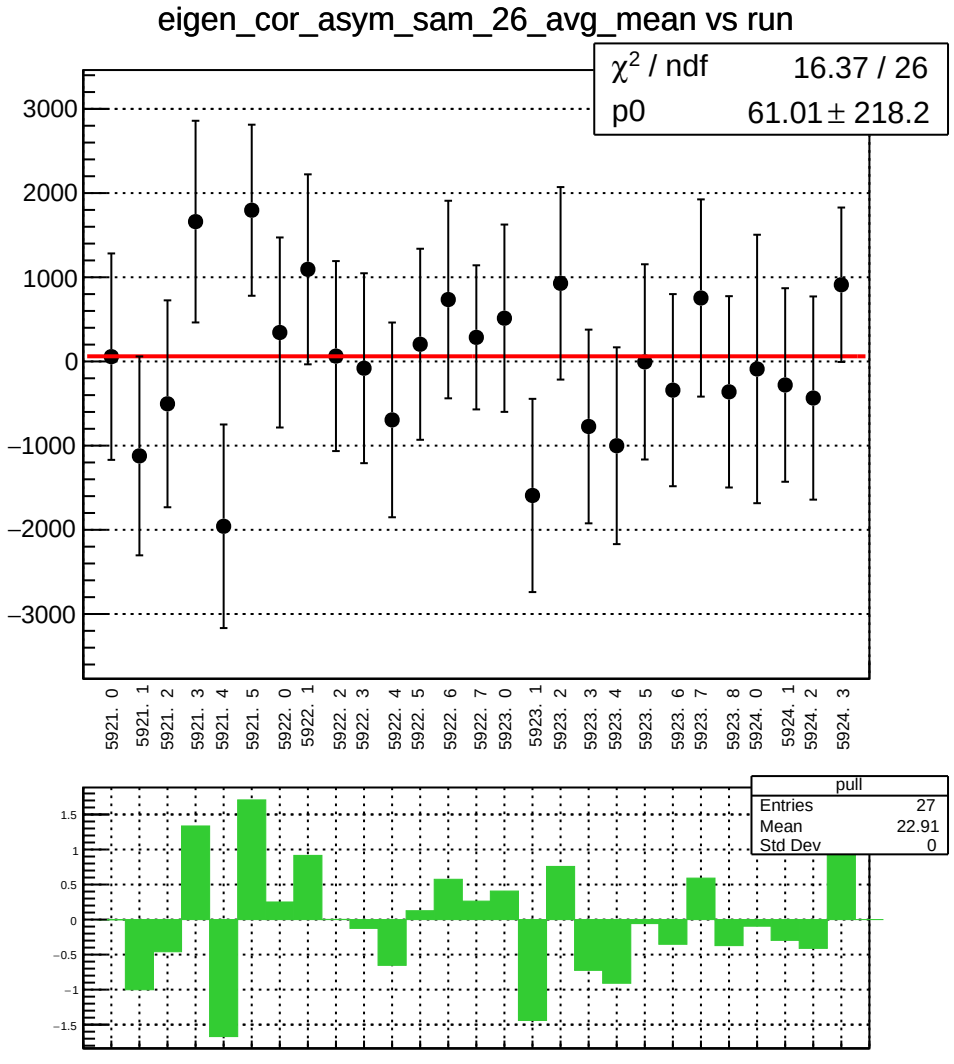

cor_asym_sam_26_avg_mean vs run
χ² / ndf 16.37 / 26
p0 61.01 ± 218.2
3000
2000
1000
0
−1000
−2000
−3000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 22.91
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.0262
Std Dev 0.7781
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

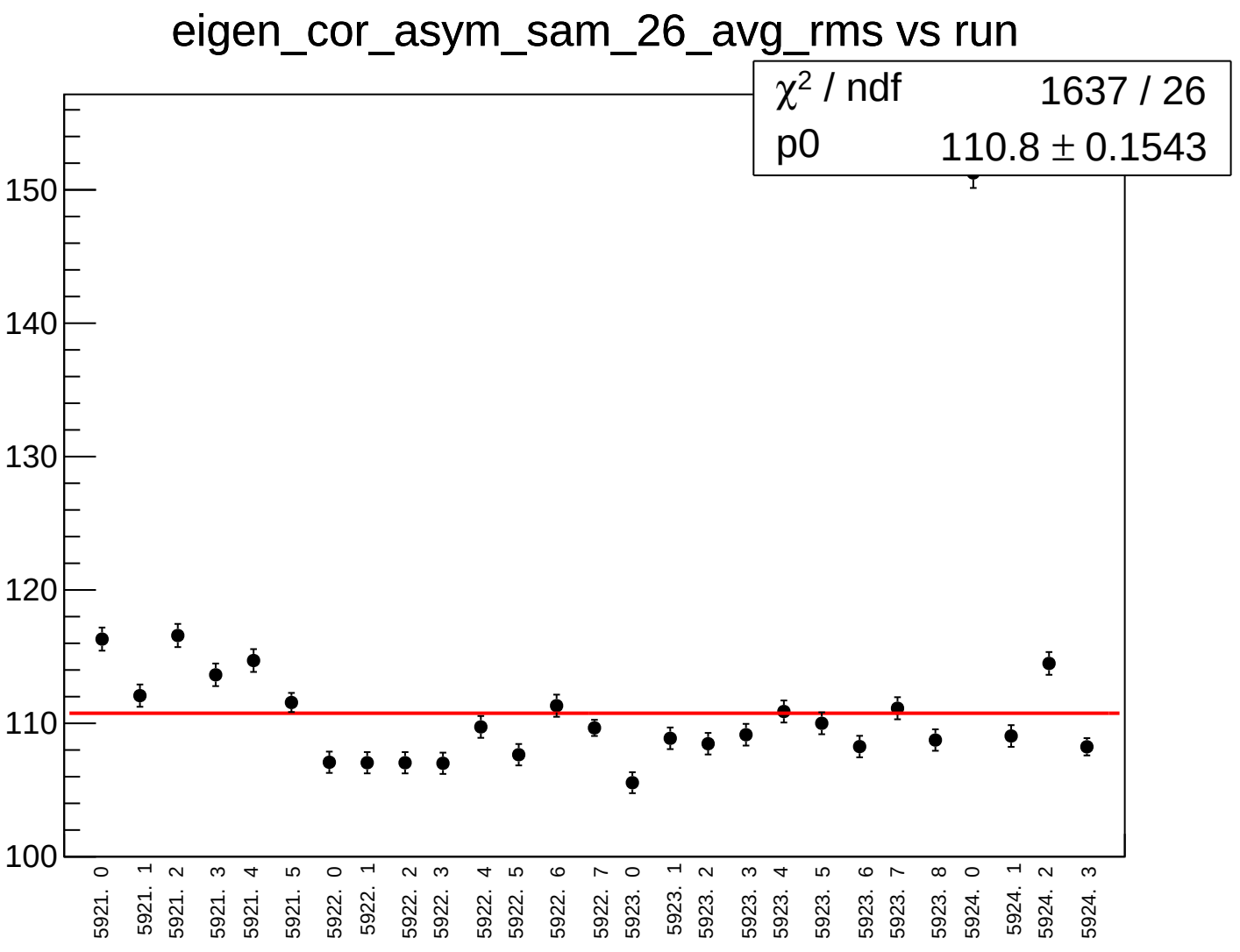

cor_asym_sam_26_avg_rms vs run
χ² / ndf 1637 / 26
p0 110.8 ± 0.1543
150
140
130
120
110
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

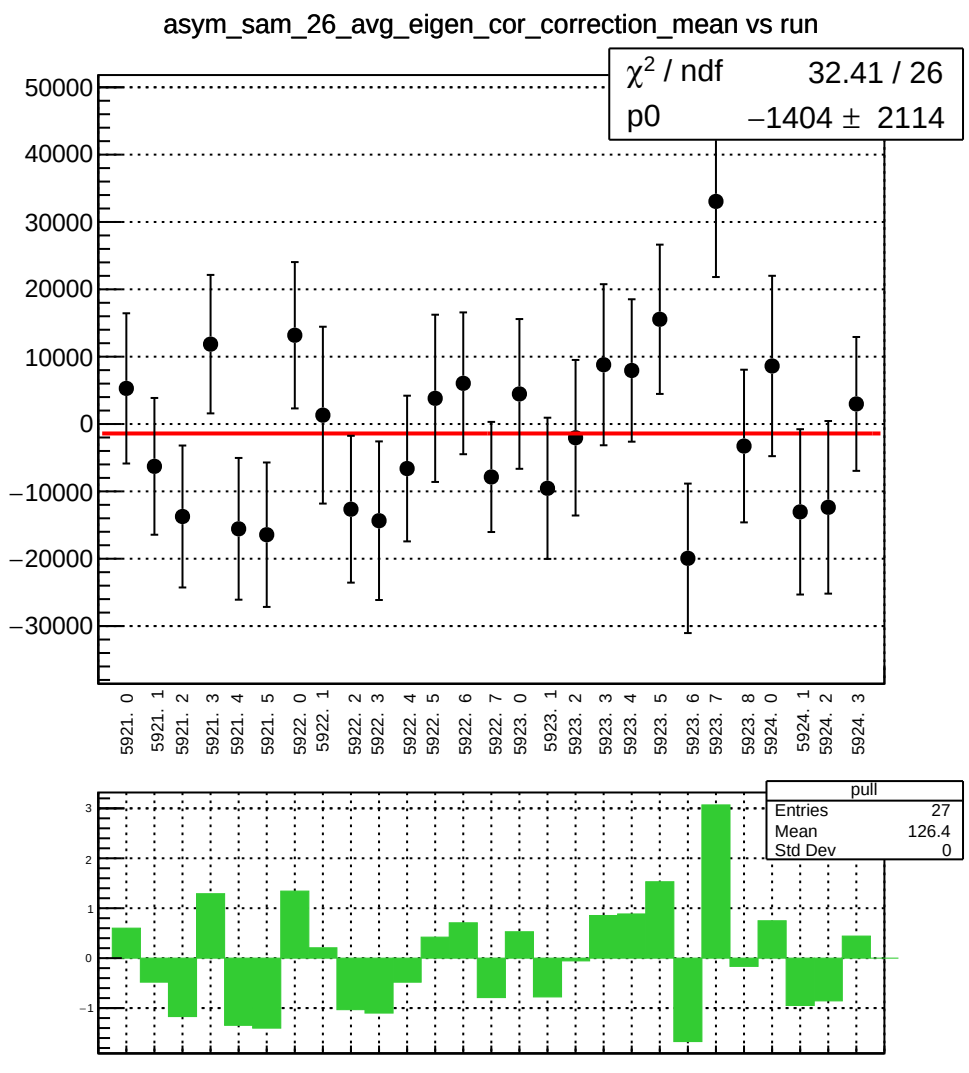

asym_sam_26_avg_cor_correction_mean vs run
χ² / ndf 32.41 / 26
p0 −1404 ± 2114
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 126.4
Std Dev 0
3
2
1
0
−1

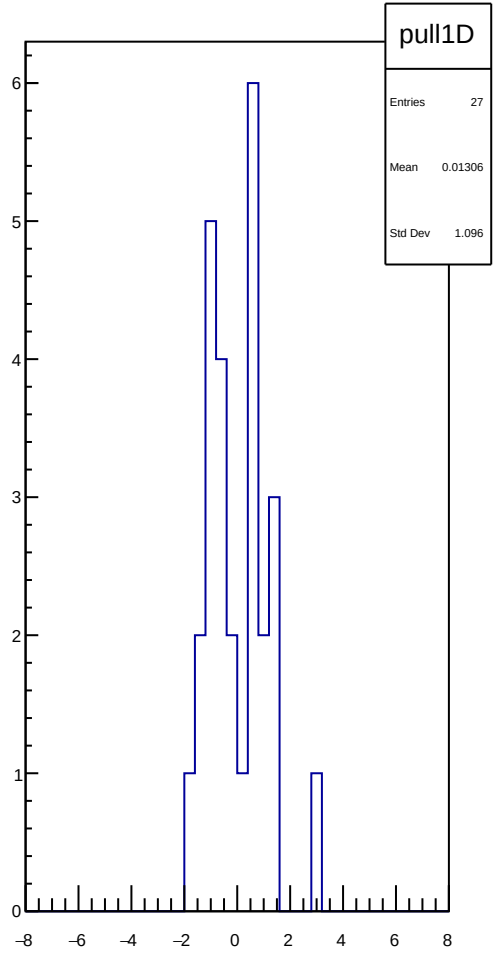

pull1D
Entries 27
Mean 0.01306
Std Dev 1.096
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

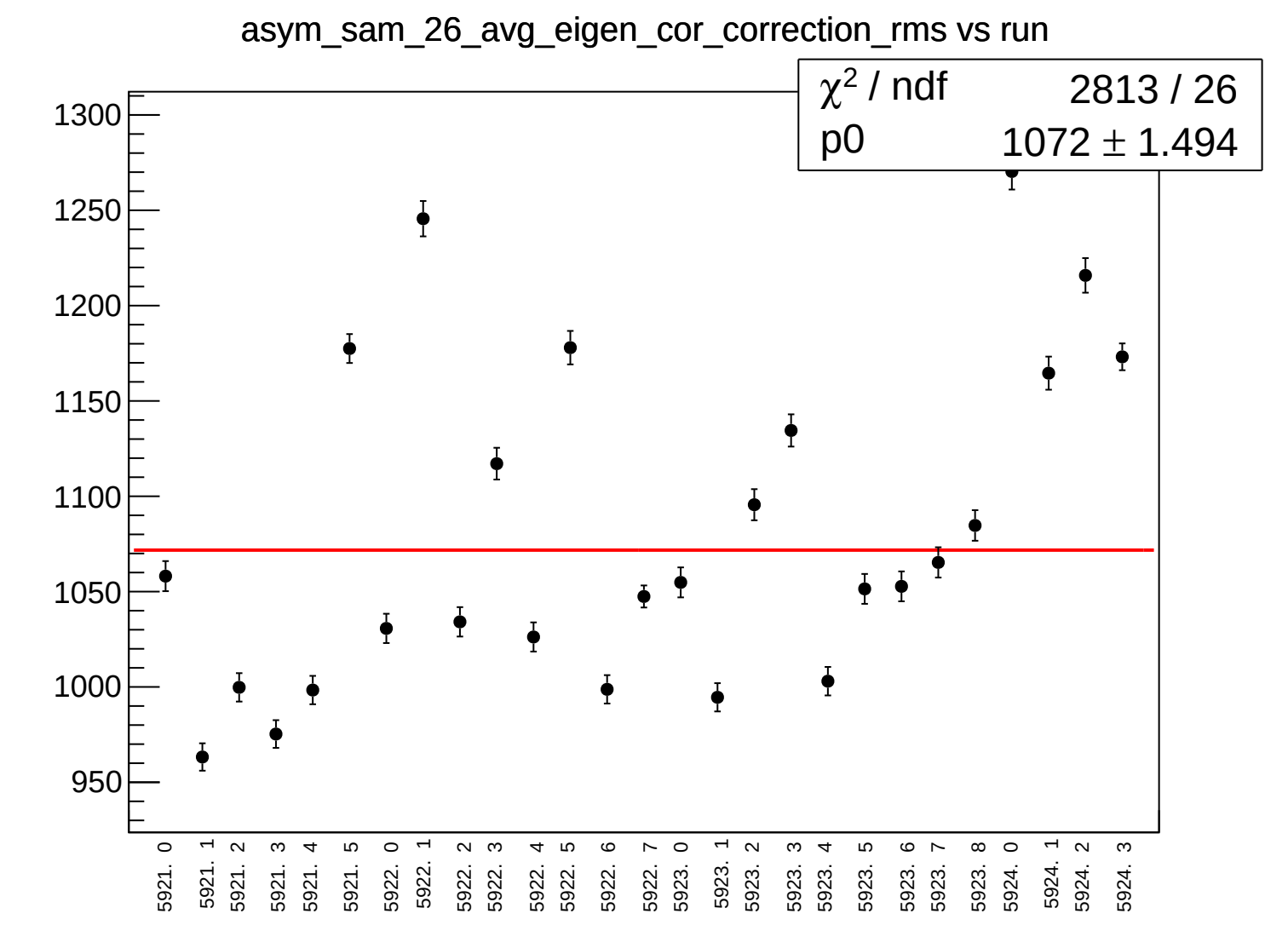

asym_sam_26_avg_cor_correction_rms vs run
χ² / ndf 2813 / 26
p0 1072 ± 1.494
1300
1250
1200
1150
1100
1050
1000
950
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

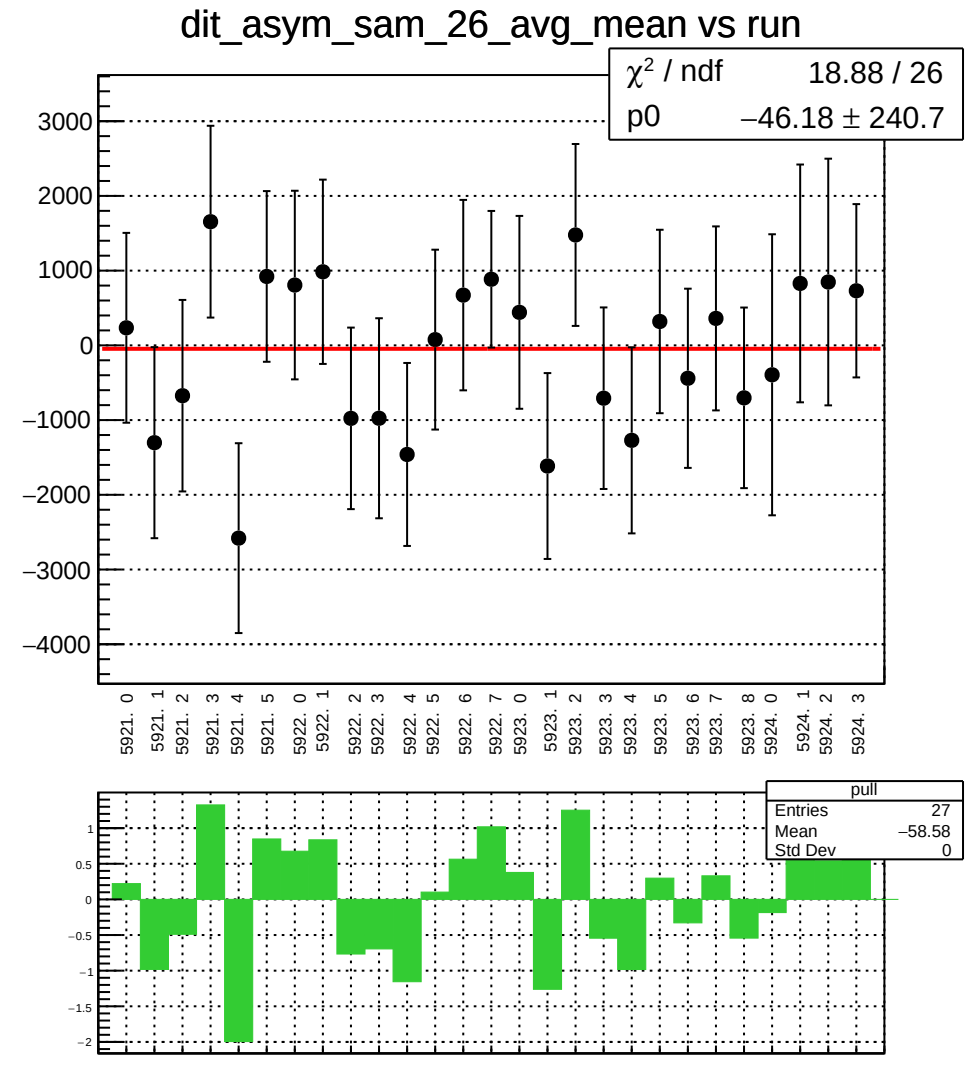

eigen_cor_asym_sam_26_avg_mean vs run
χ² / ndf 16.37 / 26
p0 61.01 ± 218.2
3000
2000
1000
0
−1000
−2000
−3000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 22.91
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.0262
Std Dev 0.7781
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

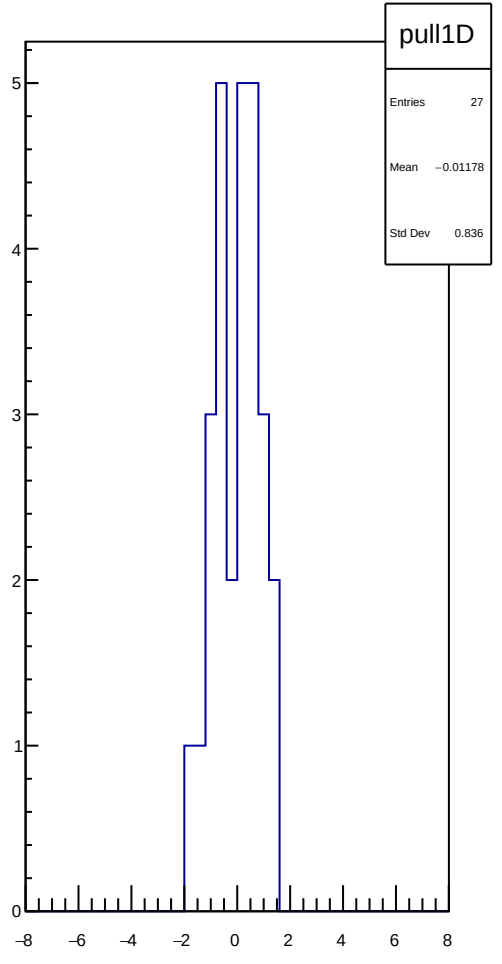

eigen_cor_asym_sam_26_avg_rms vs run
χ² / ndf 1637 / 26
p0 110.8 ± 0.1543
150
140
130
120
110
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

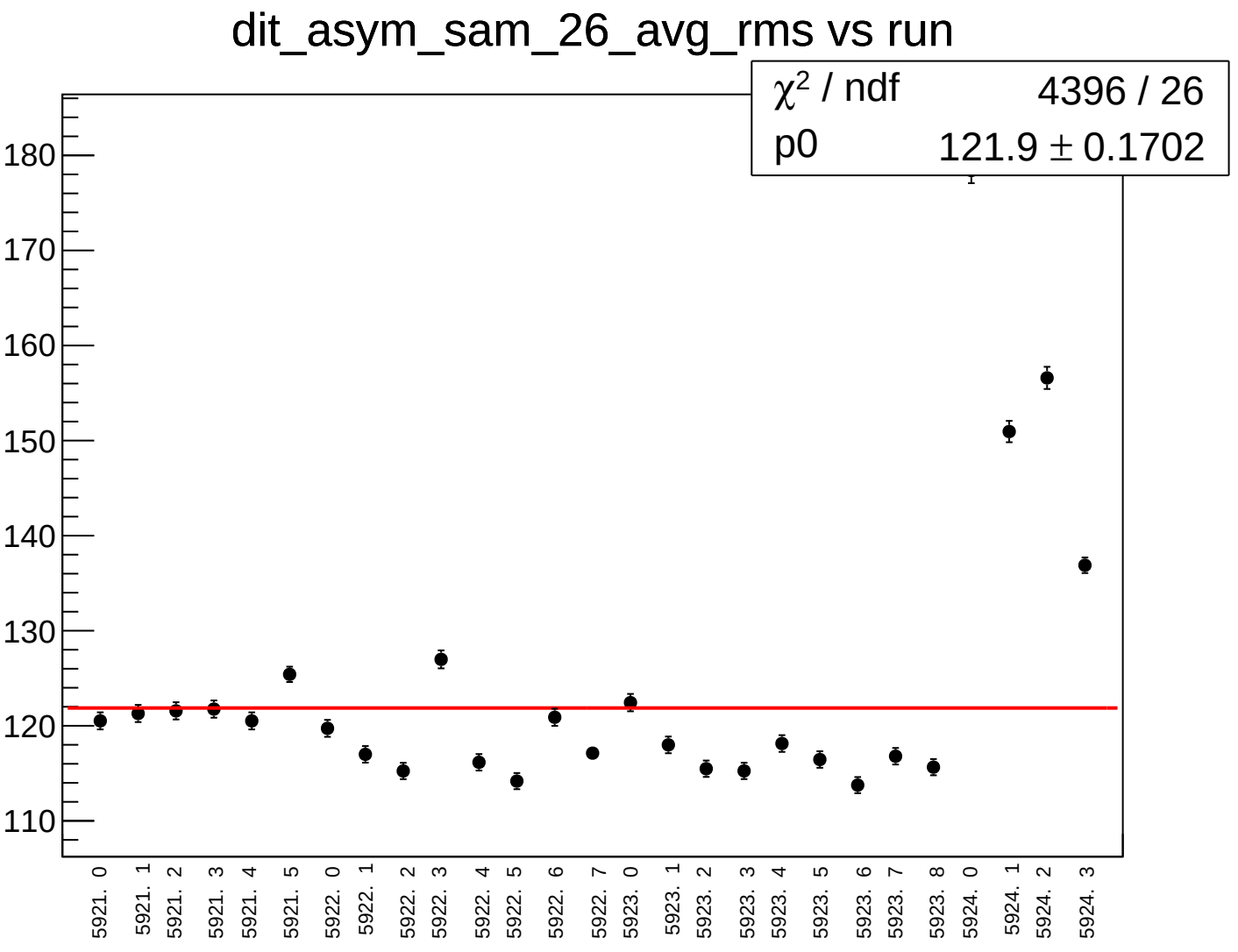

asym_sam_26_avg_eigen_cor_correction_mean vs run
χ² / ndf 32.41 / 26
p0 −1404 ± 2114
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 126.4
Std Dev 0
3
2
1
0
−1

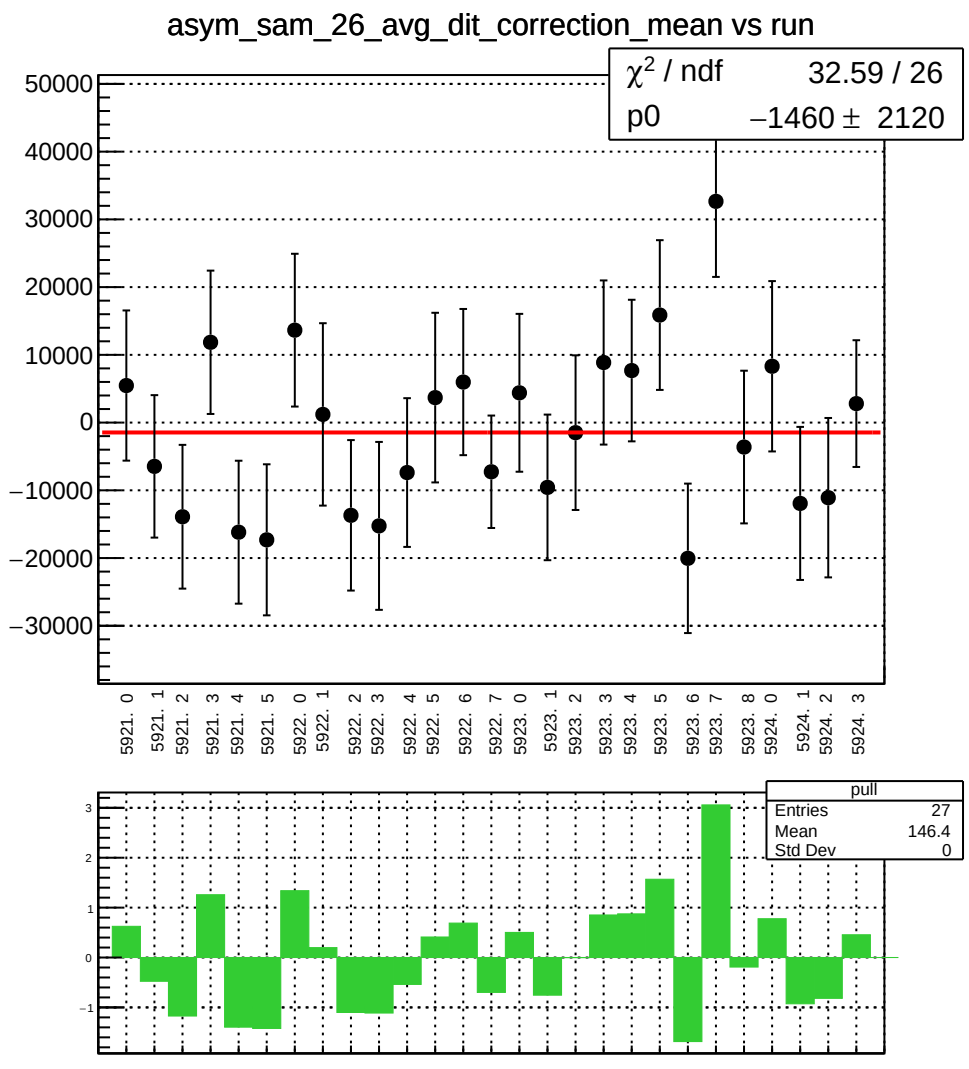

pull1D
Entries 27
Mean 0.01306
Std Dev 1.096
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

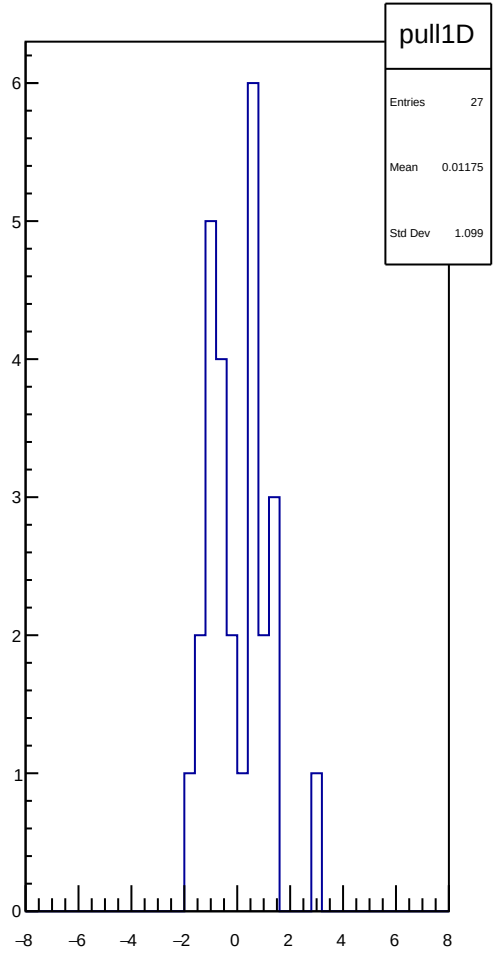

asym_sam_26_avg_eigen_cor_correction_rms vs run
χ² / ndf 2813 / 26
p0 1072 ± 1.494
1300
1250
1200
1150
1100
1050
1000
950
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

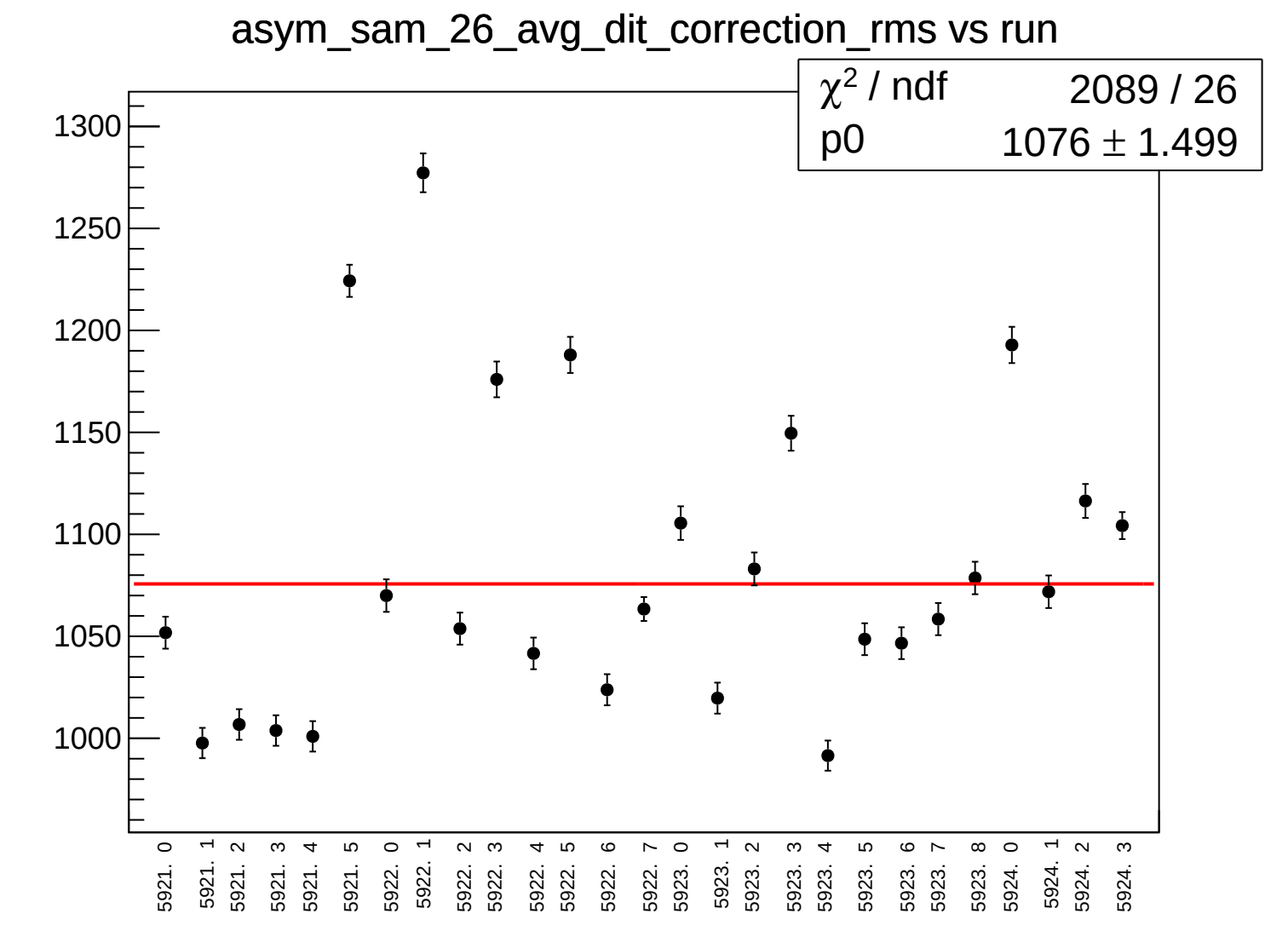

dit_asym_sam_26_avg_mean vs run
χ² / ndf 18.88 / 26
p0 −46.18 ± 240.7
3000
2000
1000
0
−1000
−2000
−3000
−4000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −58.58
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

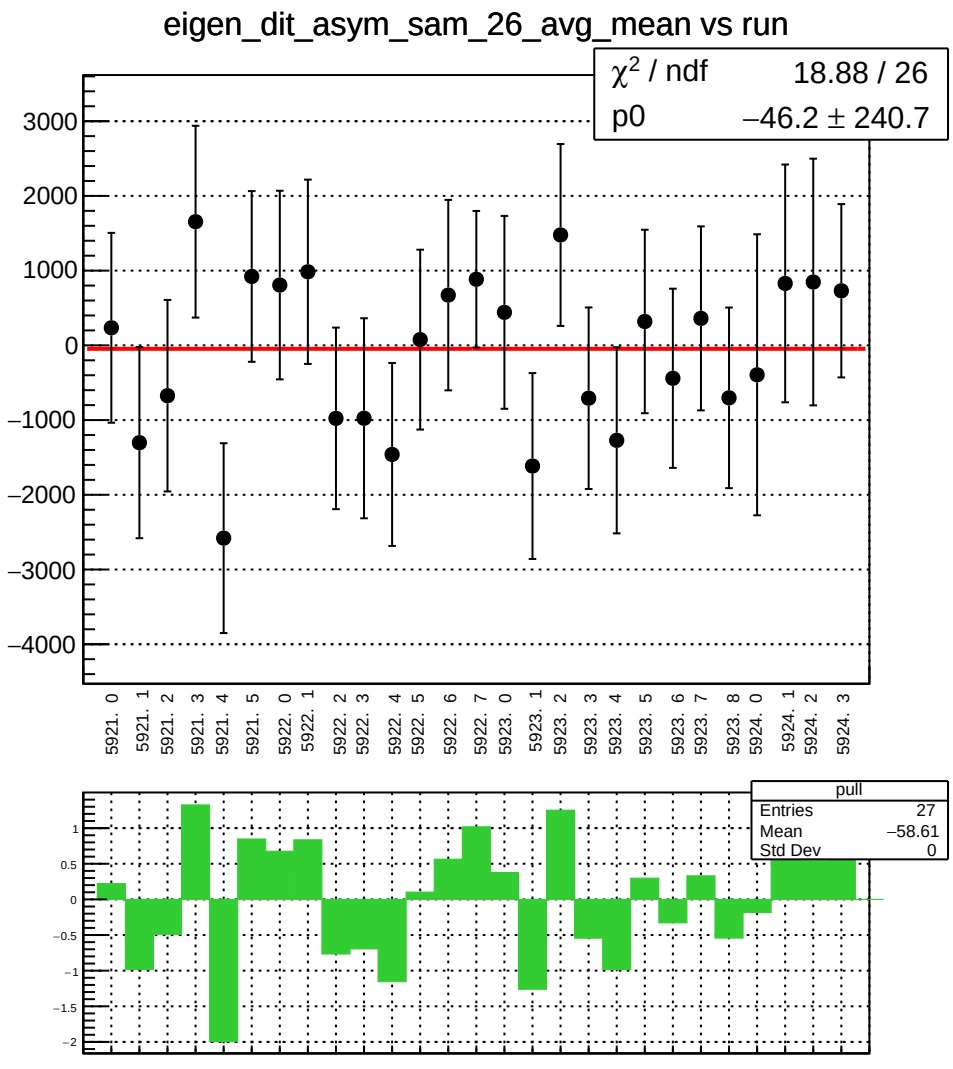

pull1D
Entries 27
Mean −0.01178
Std Dev 0.836
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

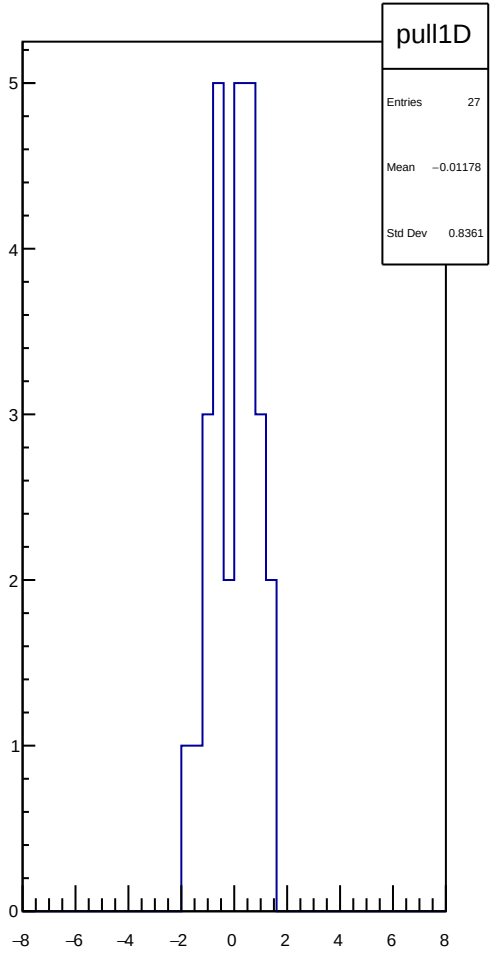

dit_asym_sam_26_avg_rms vs run
χ² / ndf 4396 / 26
p0 121.9 ± 0.1702
180
170
160
150
140
130
120
110
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

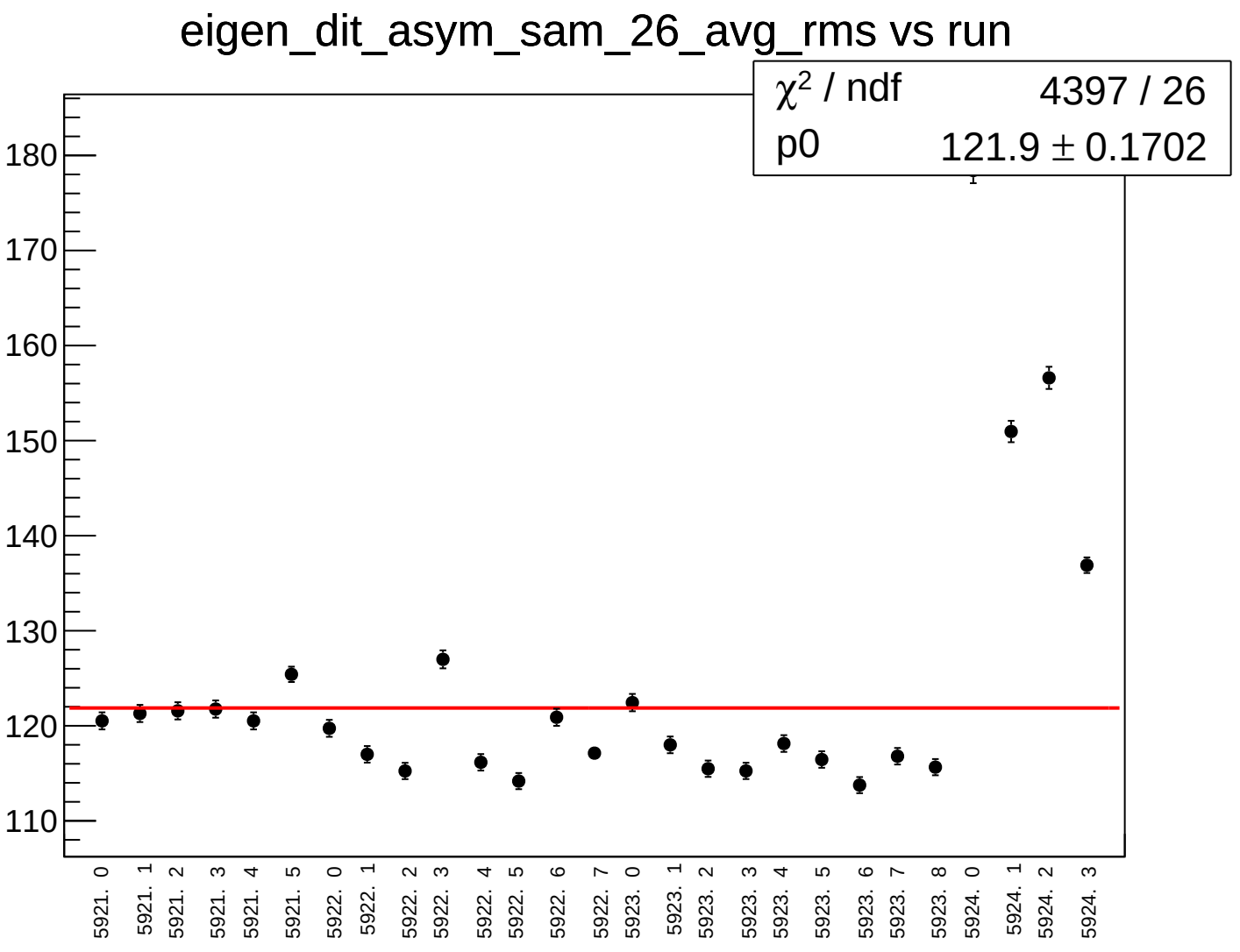

asym_sam_26_avg_dit_correction_mean vs run
χ² / ndf 32.59 / 26
p0 −1460 ± 2120
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 146.4
Std Dev 0
3
2
1
0
−1

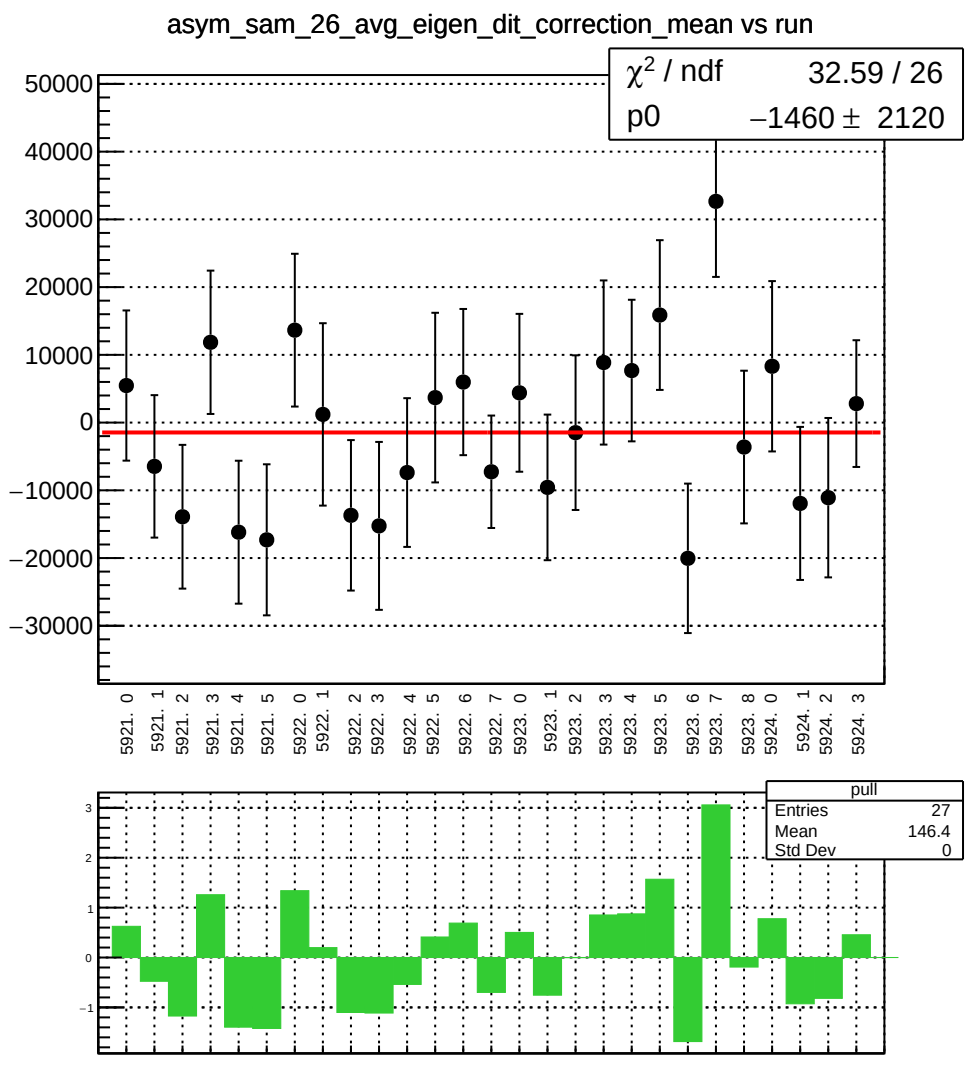

pull1D
Entries 27
Mean 0.01175
Std Dev 1.099
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

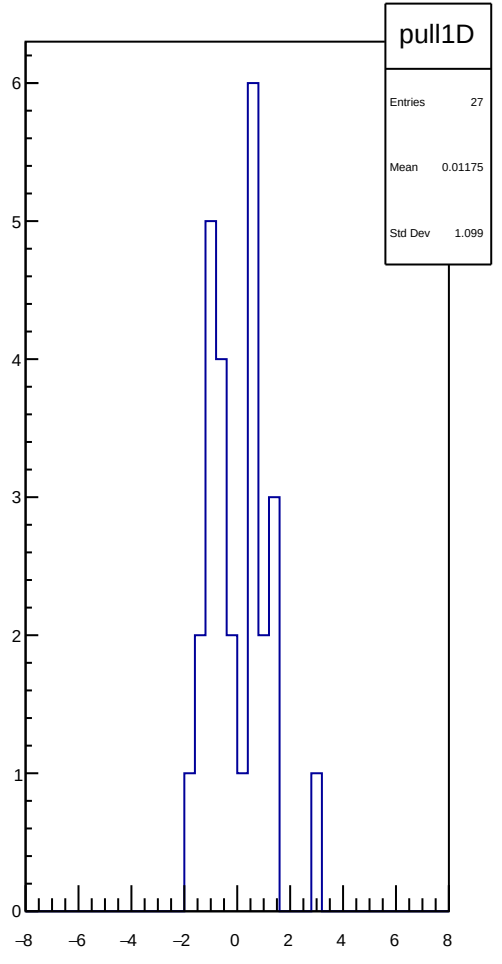

asym_sam_26_avg_dit_correction_rms vs run
χ² / ndf 2089 / 26
p0 1076 ± 1.499
1300
1250
1200
1150
1100
1050
1000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

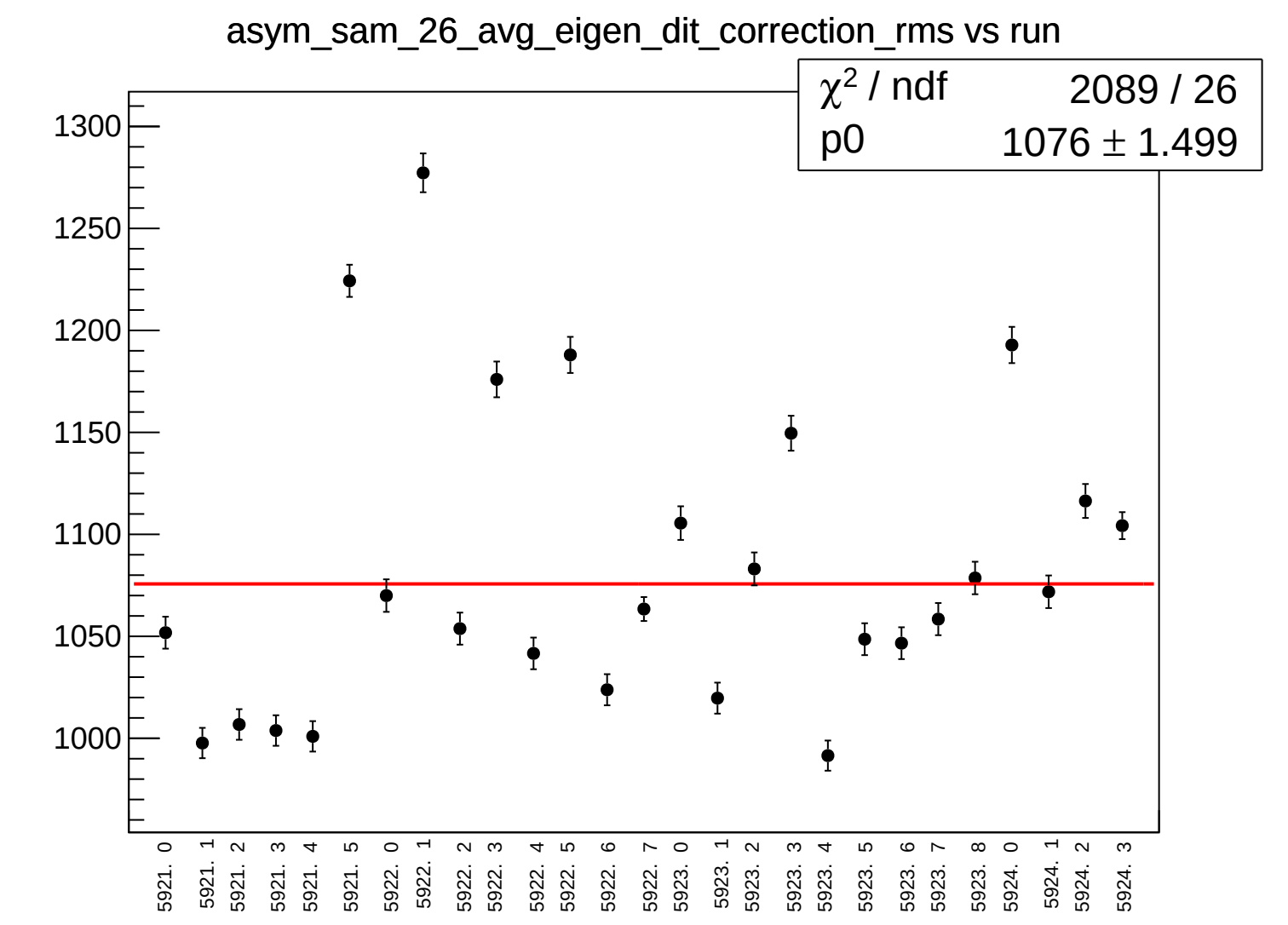

eigen_dit_asym_sam_26_avg_mean vs run
χ² / ndf 18.88 / 26
p0 −46.2 ± 240.7
3000
2000
1000
0
−1000
−2000
−3000
−4000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −58.61
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

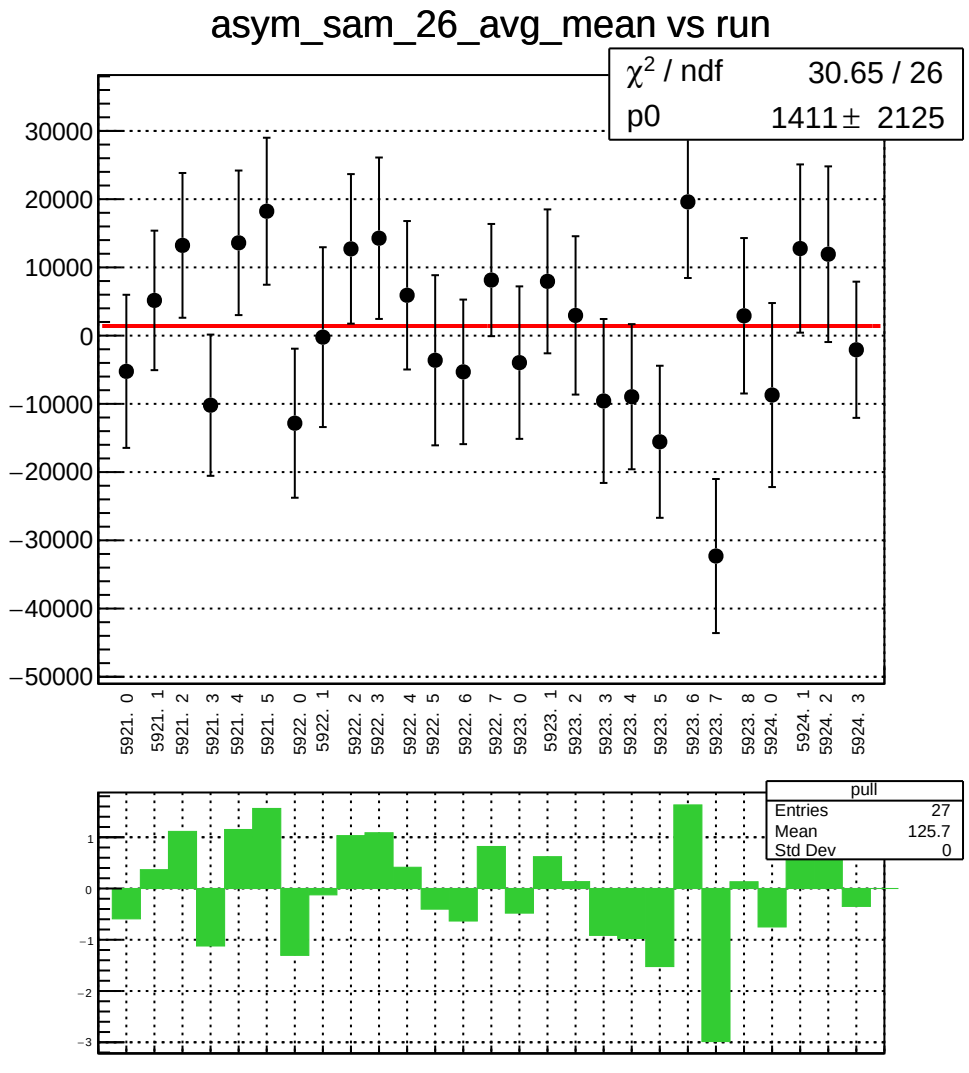

pull1D
Entries 27
Mean −0.01178
Std Dev 0.8361
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

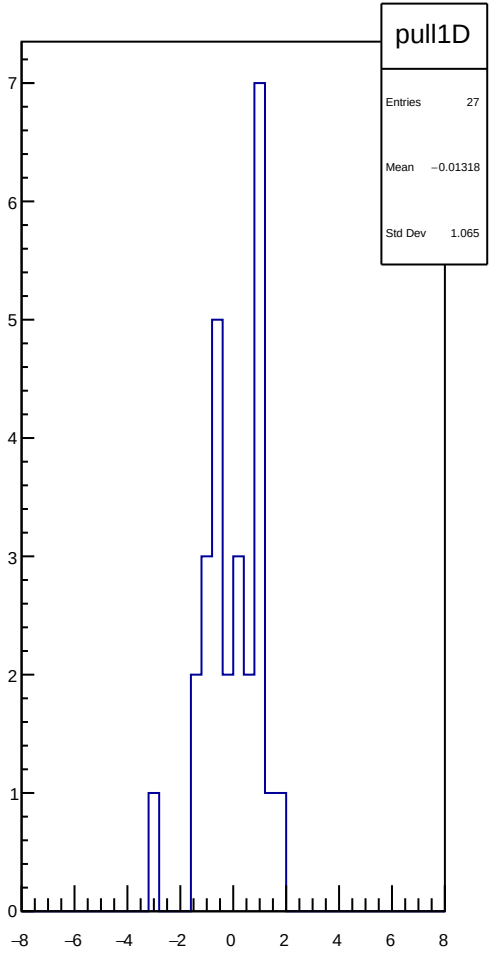

eigen_dit_asym_sam_26_avg_rms vs run
χ² / ndf 4397 / 26
p0 121.9 ± 0.1702
180
170
160
150
140
130
120
110
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

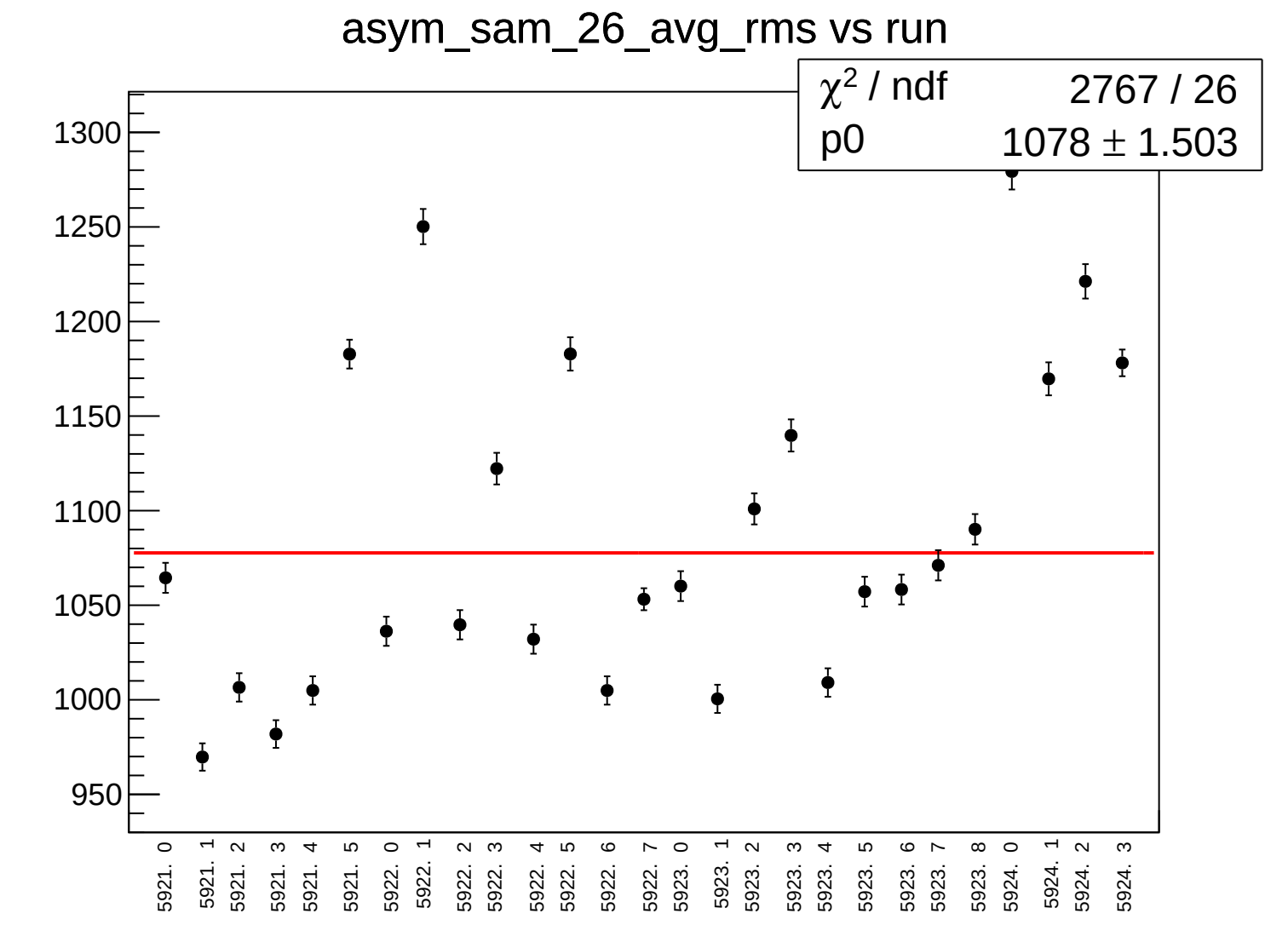

asym_sam_26_avg_eigen_dit_correction_mean vs run
χ² / ndf 32.59 / 26
p0 −1460 ± 2120
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 146.4
Std Dev 0
3
2
1
0
−1

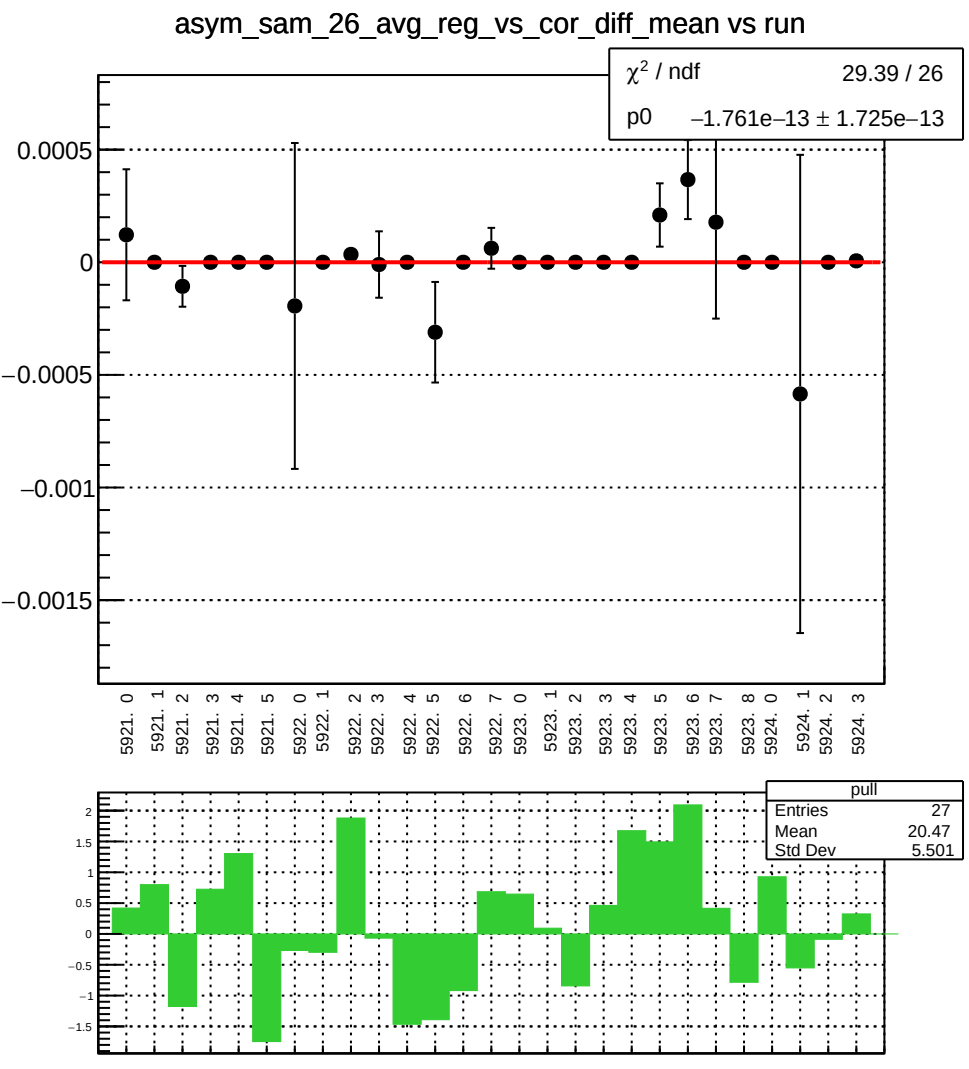

pull1D
Entries 27
Mean 0.01175
Std Dev 1.099
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

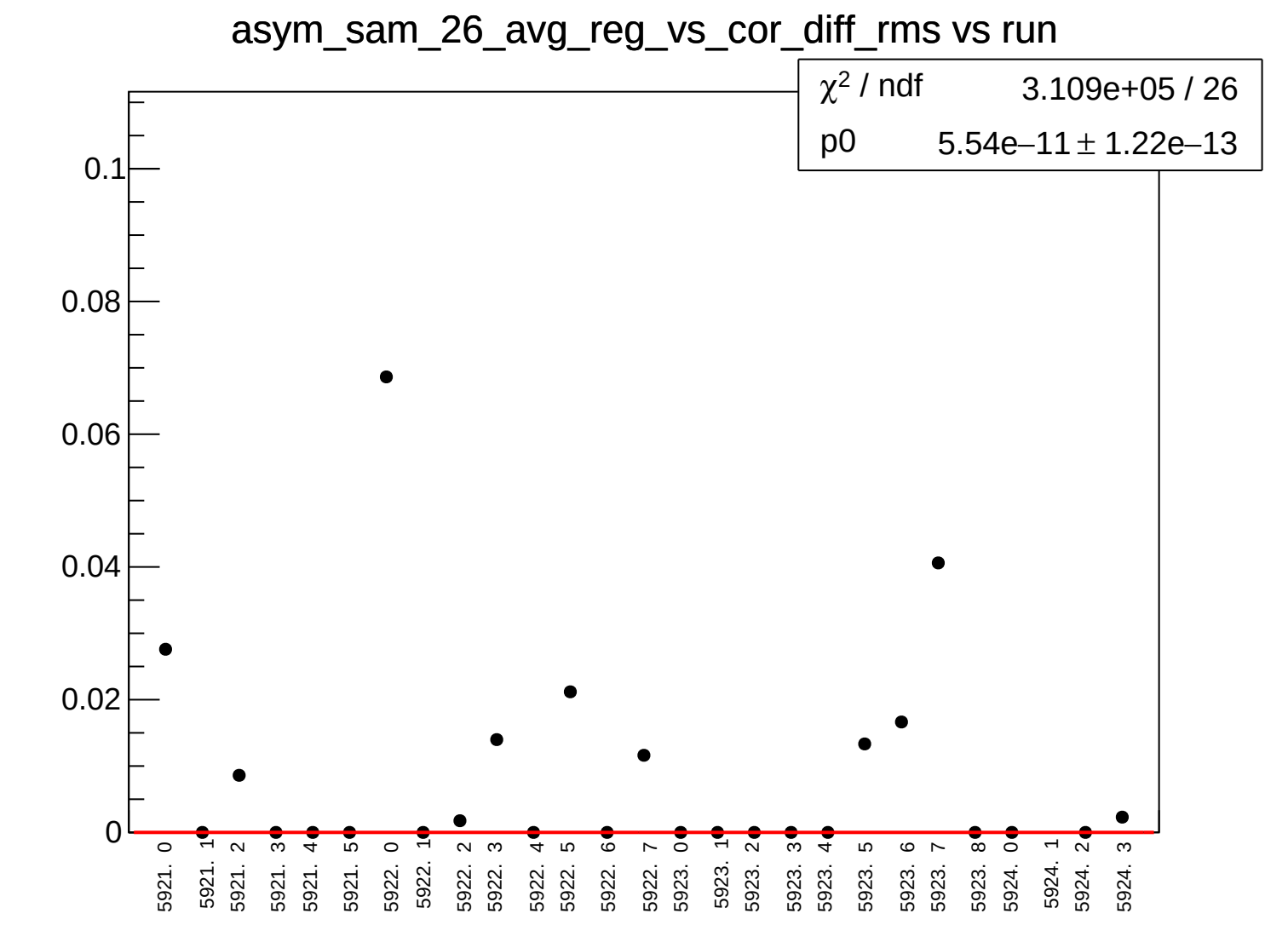

asym_sam_26_avg_eigen_dit_correction_rms vs run
χ² / ndf 2089 / 26
p0 1076 ± 1.499
1300
1250
1200
1150
1100
1050
1000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

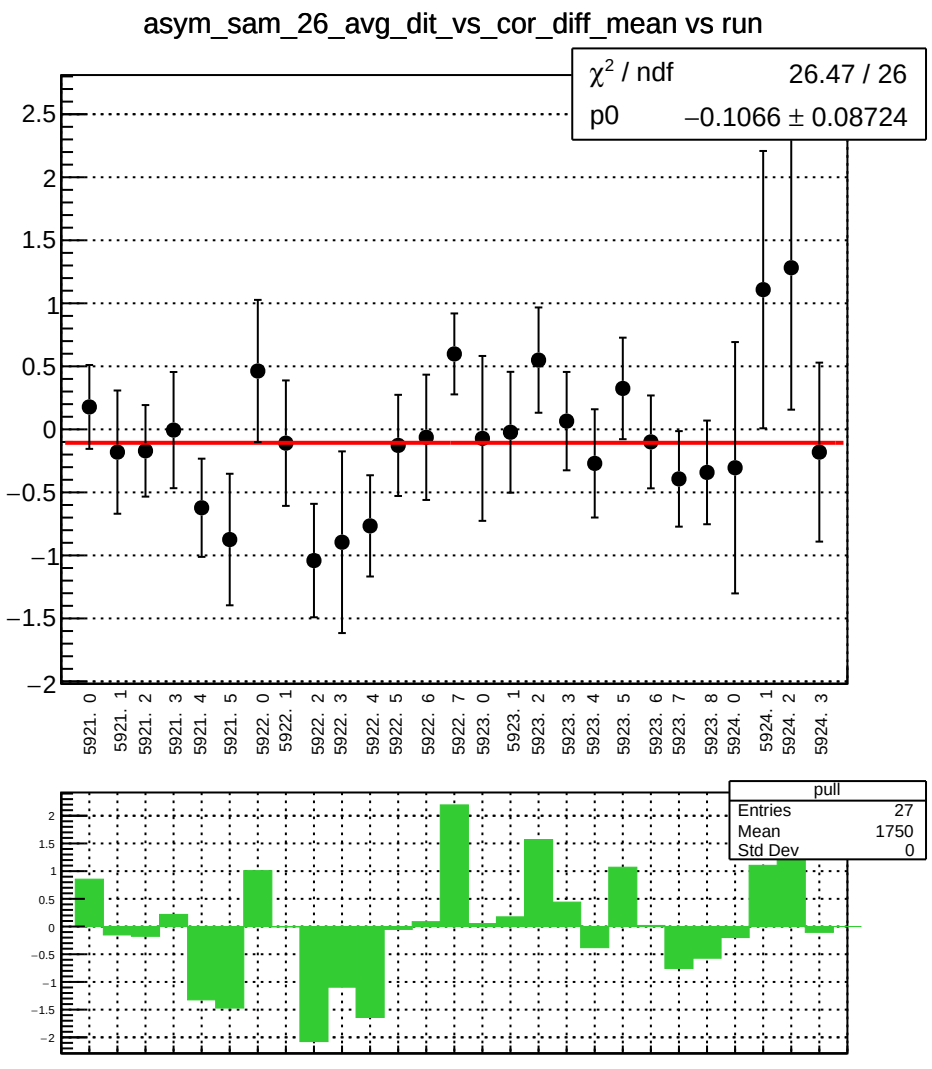

asym_sam_26_avg_mean vs run
χ² / ndf 30.65 / 26
p0 1411 ± 2125
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 125.7
Std Dev 0
1
0
−1
−2
−3

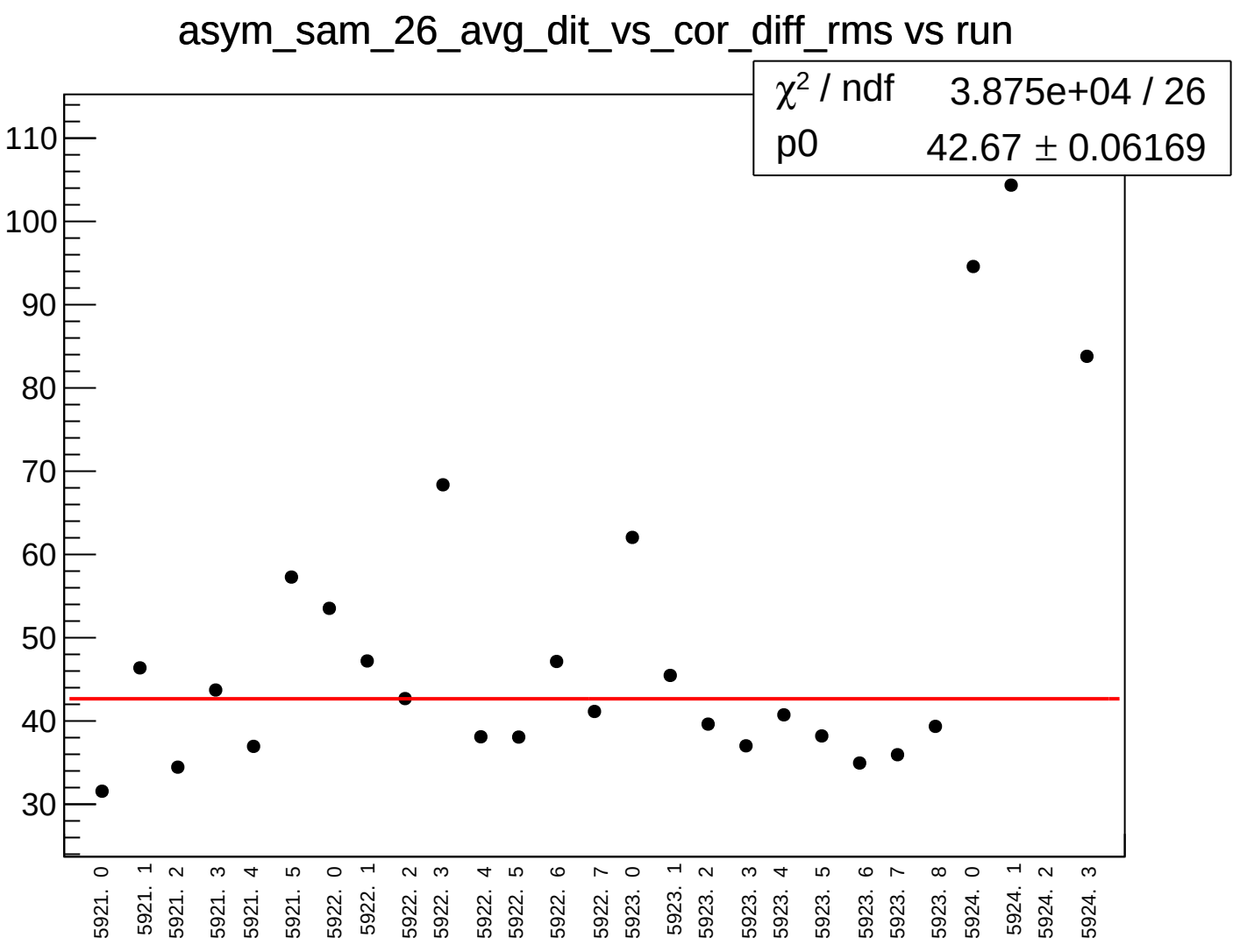

pull1D
Entries 27
Mean −0.01318
Std Dev 1.065
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

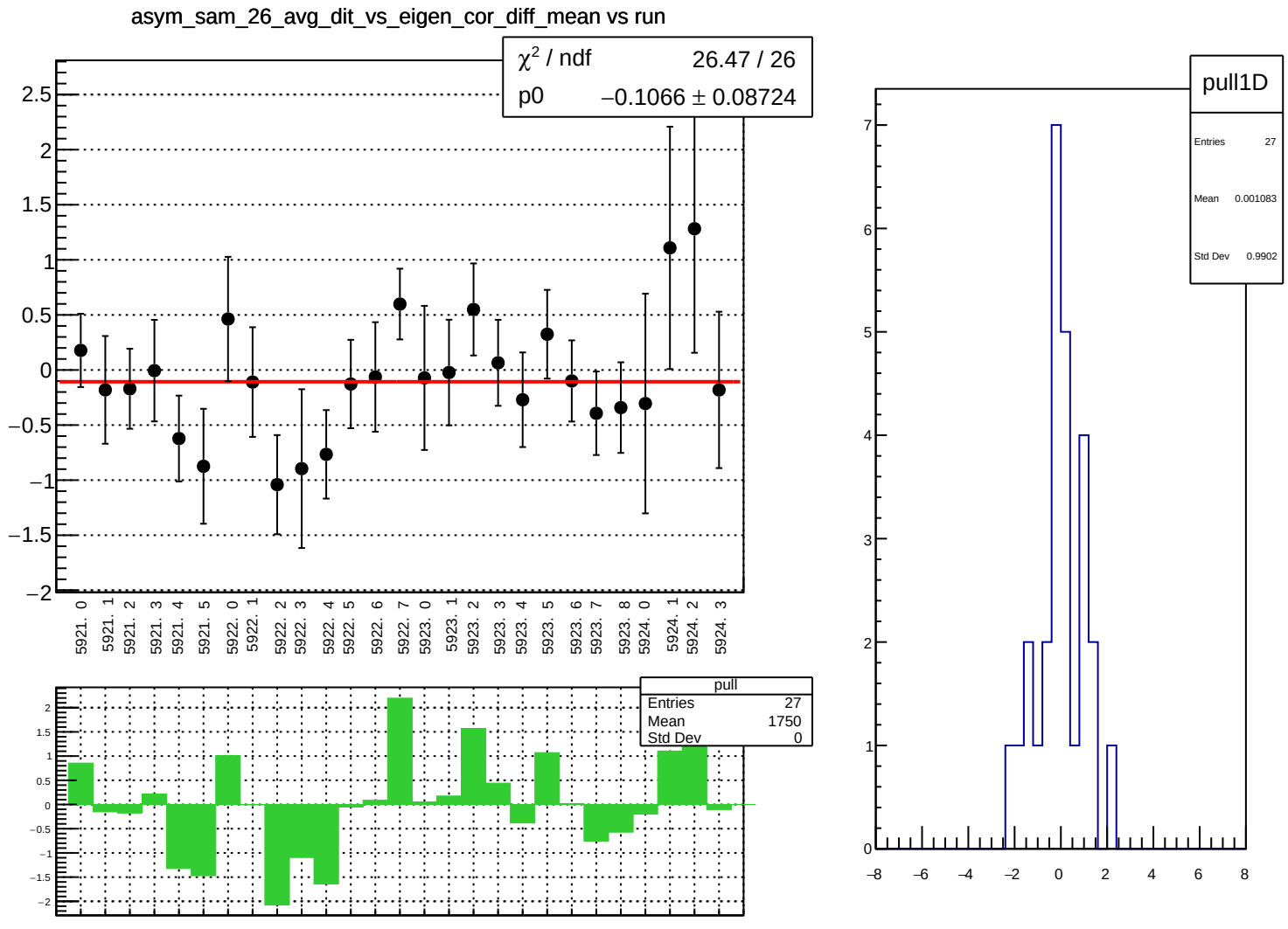

asym_sam_26_avg_rms vs run
χ² / ndf 2767 / 26
p0 1078 ± 1.503
1300
1250
1200
1150
1100
1050
1000
950
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

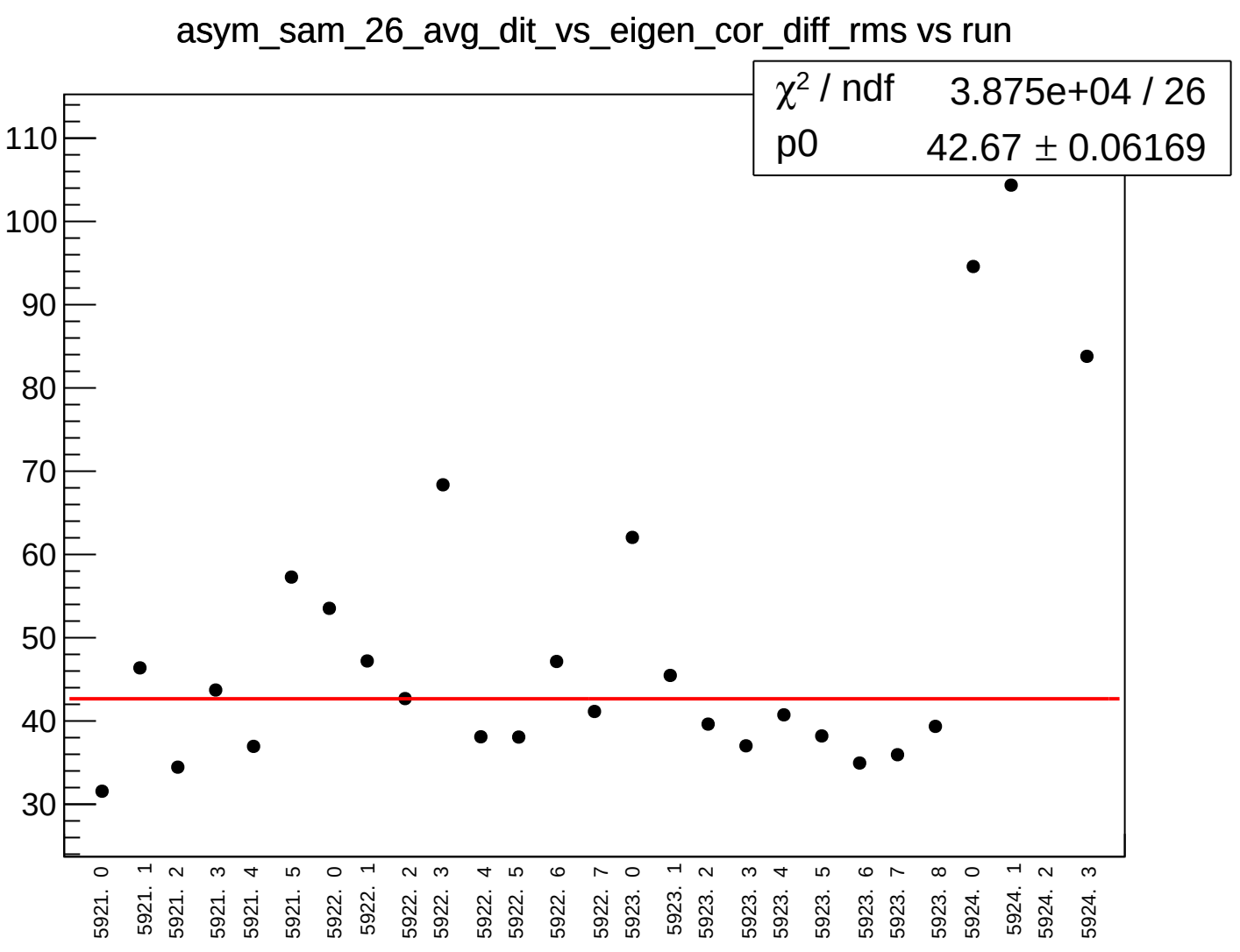

asym_sam_26_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 29.39 / 26
p0 −1.761e−13 ± 1.725e−13
0.0005
0
−0.0005
−0.001
−0.0015
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 20.47
Std Dev 5.501
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.161
Std Dev 1.031
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

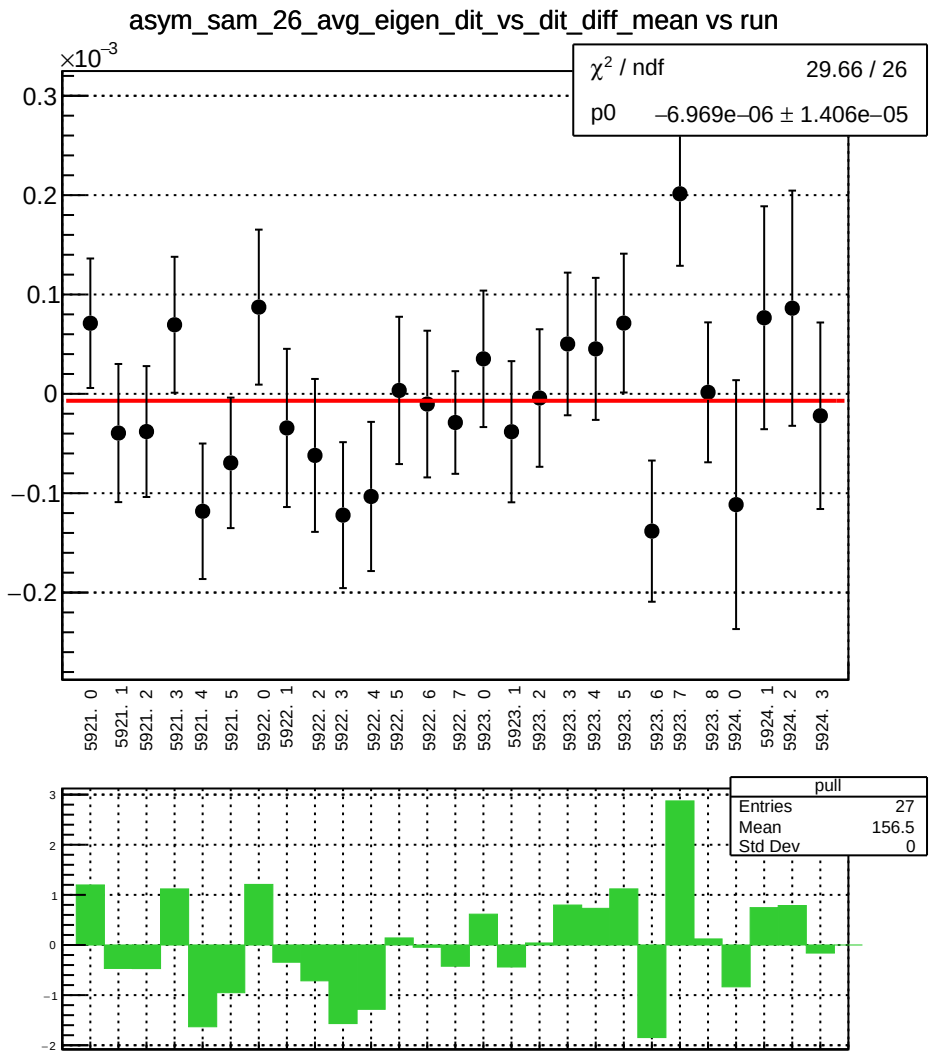

asym_sam_26_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.109e+05 / 26
p0 5.54e−11 ± 1.22e−13
0.1
0.08
0.06
0.04
0.02
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

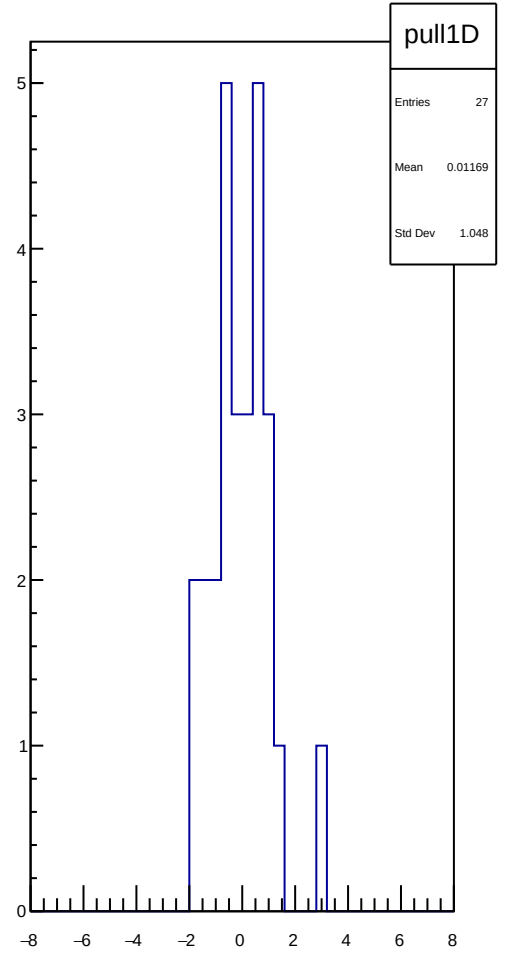

asym_sam_26_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 26.47 / 26
p0 −0.1066 ± 0.08724
pull
Entries 27
Mean 1750
Std Dev 0
pull1D
Entries 27
Mean 0.001083
Std Dev 0.9902

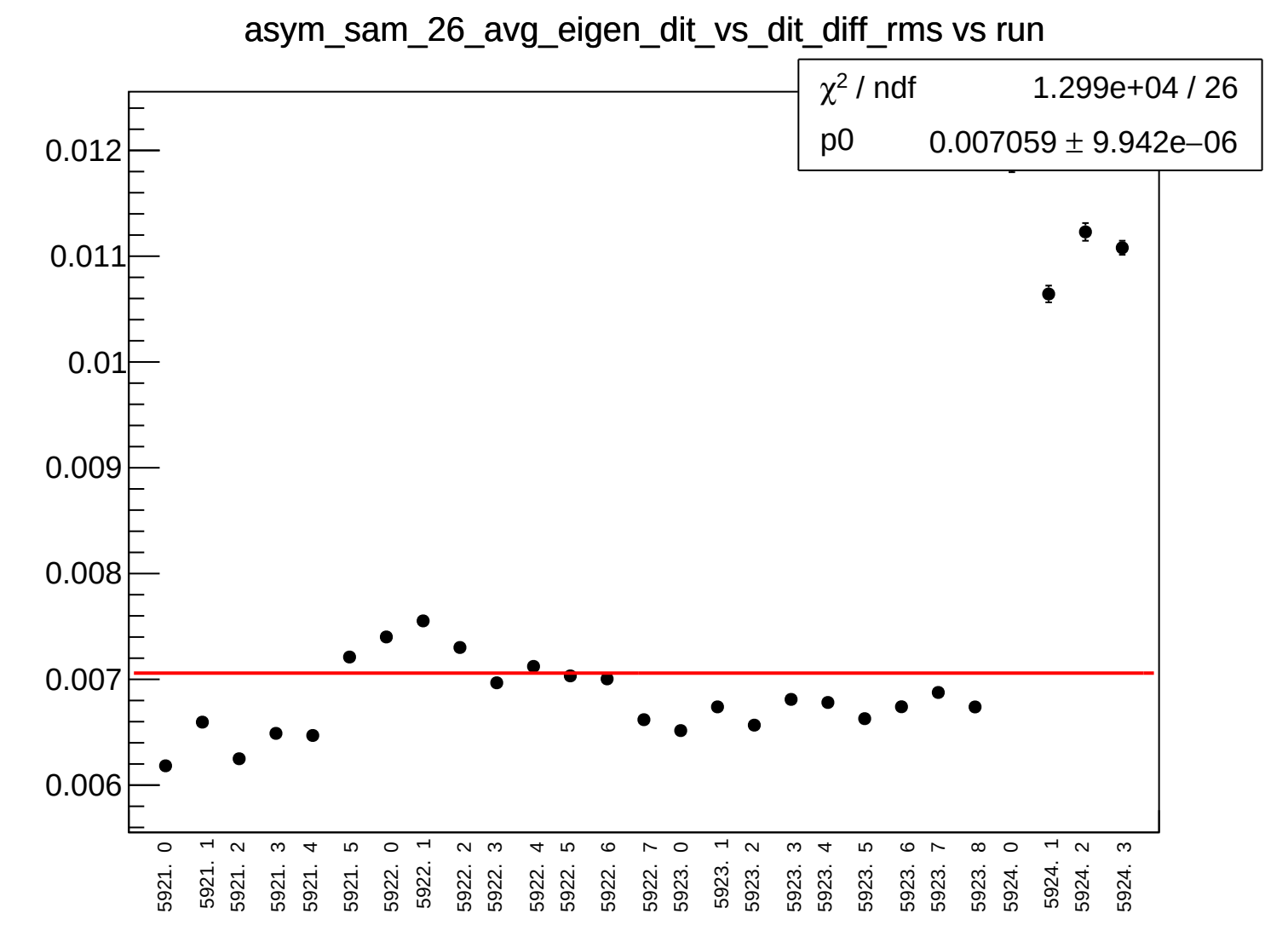

asym_sam_26_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.875e+04 / 26
p0 42.67 ± 0.06169
110
100
90
80
70
60
50
40
30
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

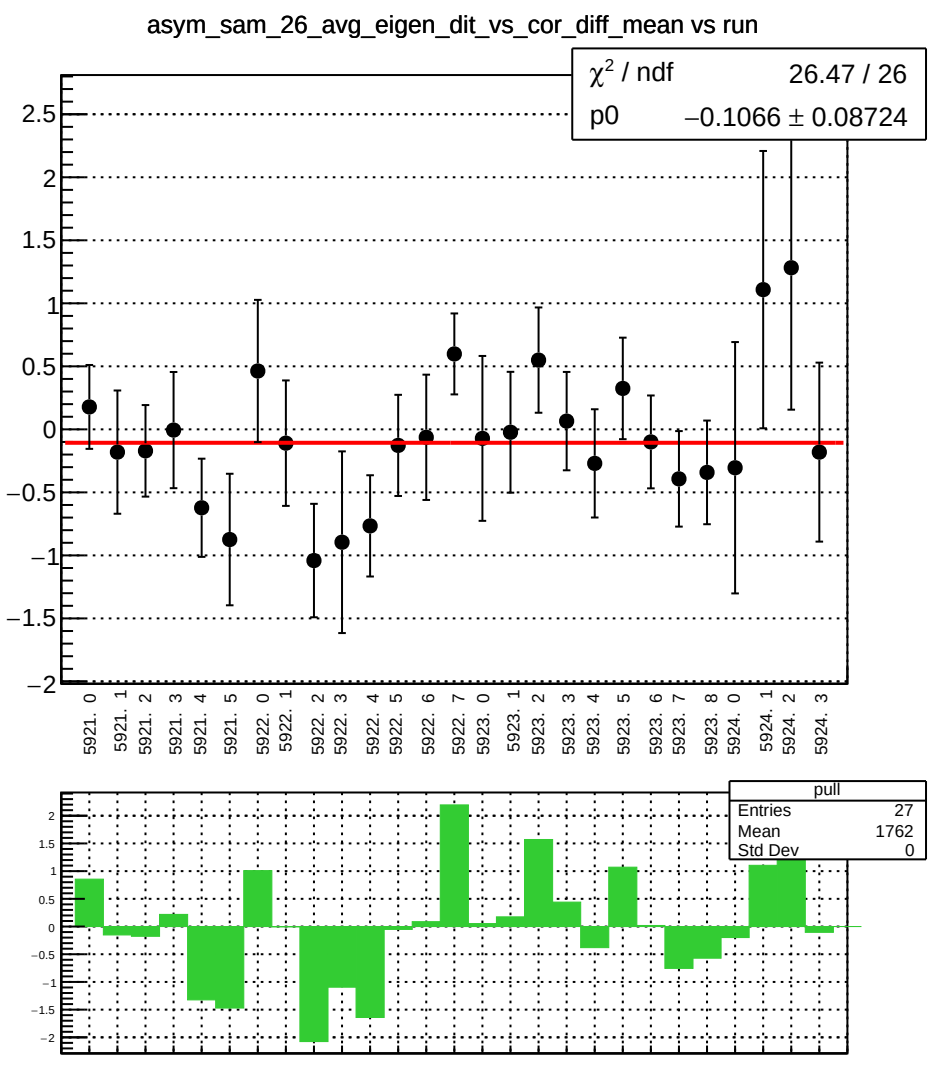

asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 26.47 / 26
p0 −0.1066 ± 0.08724
pull
Entries 27
Mean 1750
Std Dev 0
pull1D
Entries 27
Mean 0.001083
Std Dev 0.9902

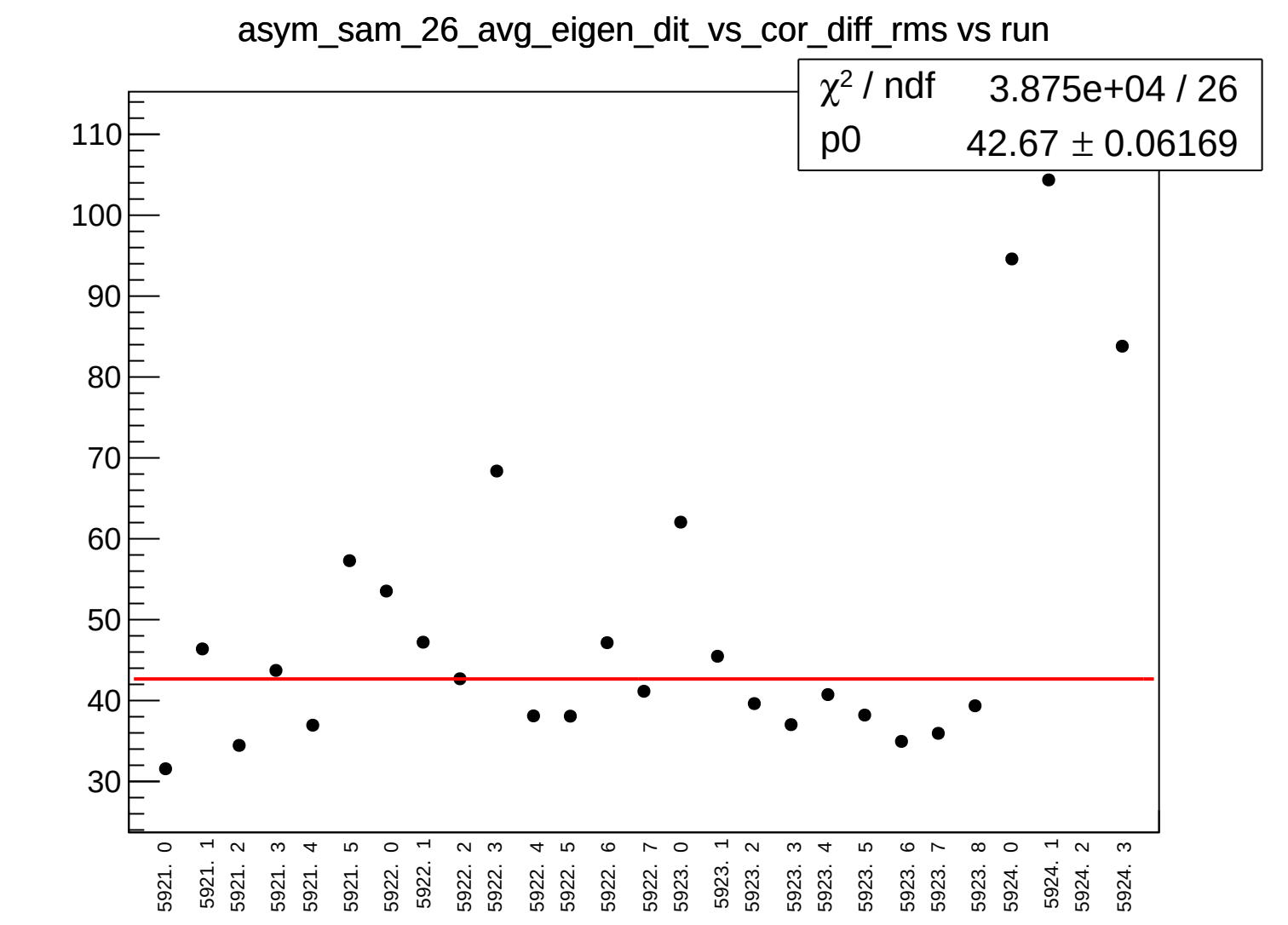

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.875e+04 / 26
p0 42.67 ± 0.06169
110
100
90
80
70
60
50
40
30
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

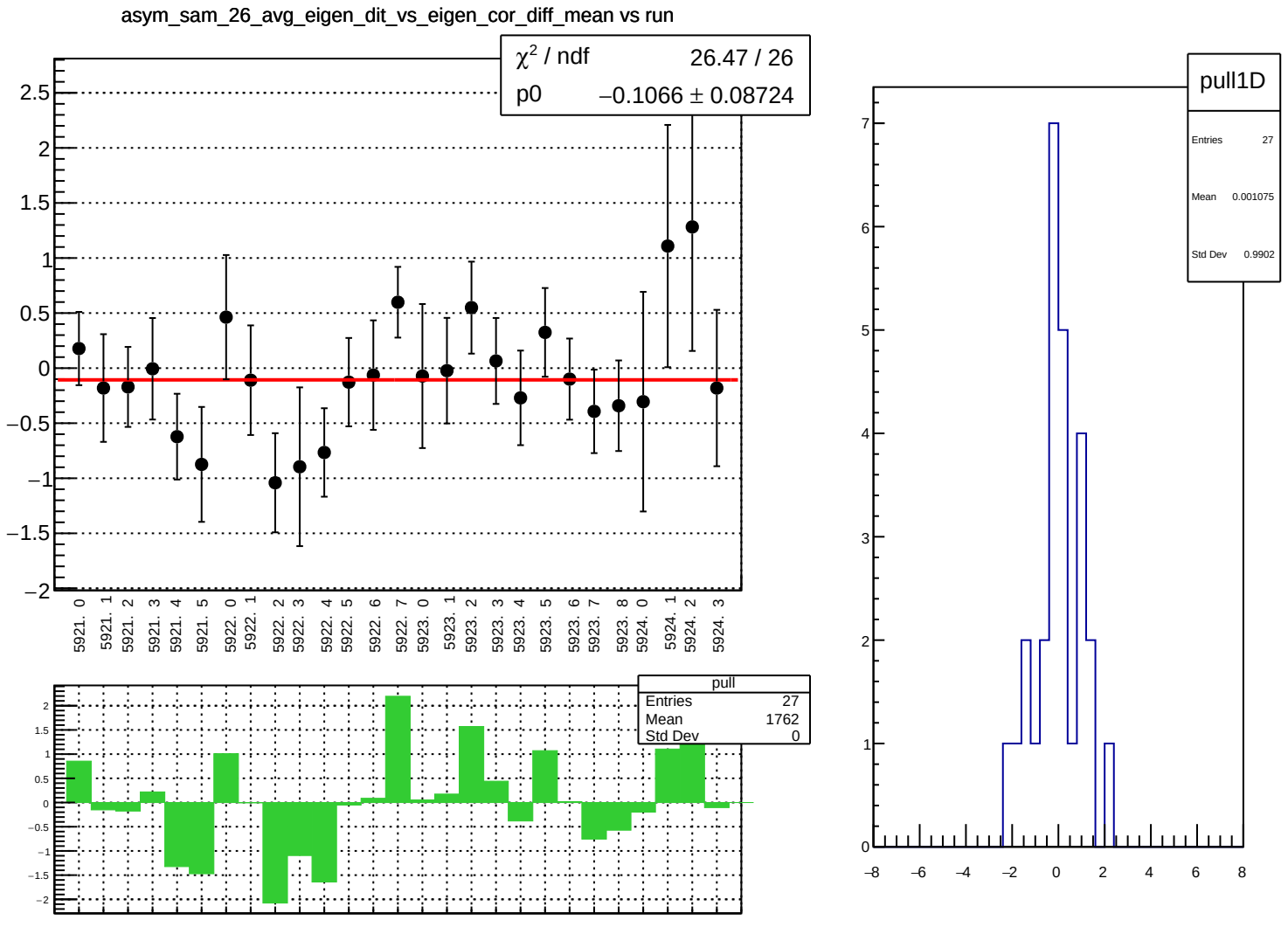

asym_sam_26_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 29.66 / 26
p0 −6.969e−06 ± 1.406e−05
0.3
0.2
0.1
0
−0.1
−0.2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 156.5
Std Dev 0
3
2
1
0
−1
−2

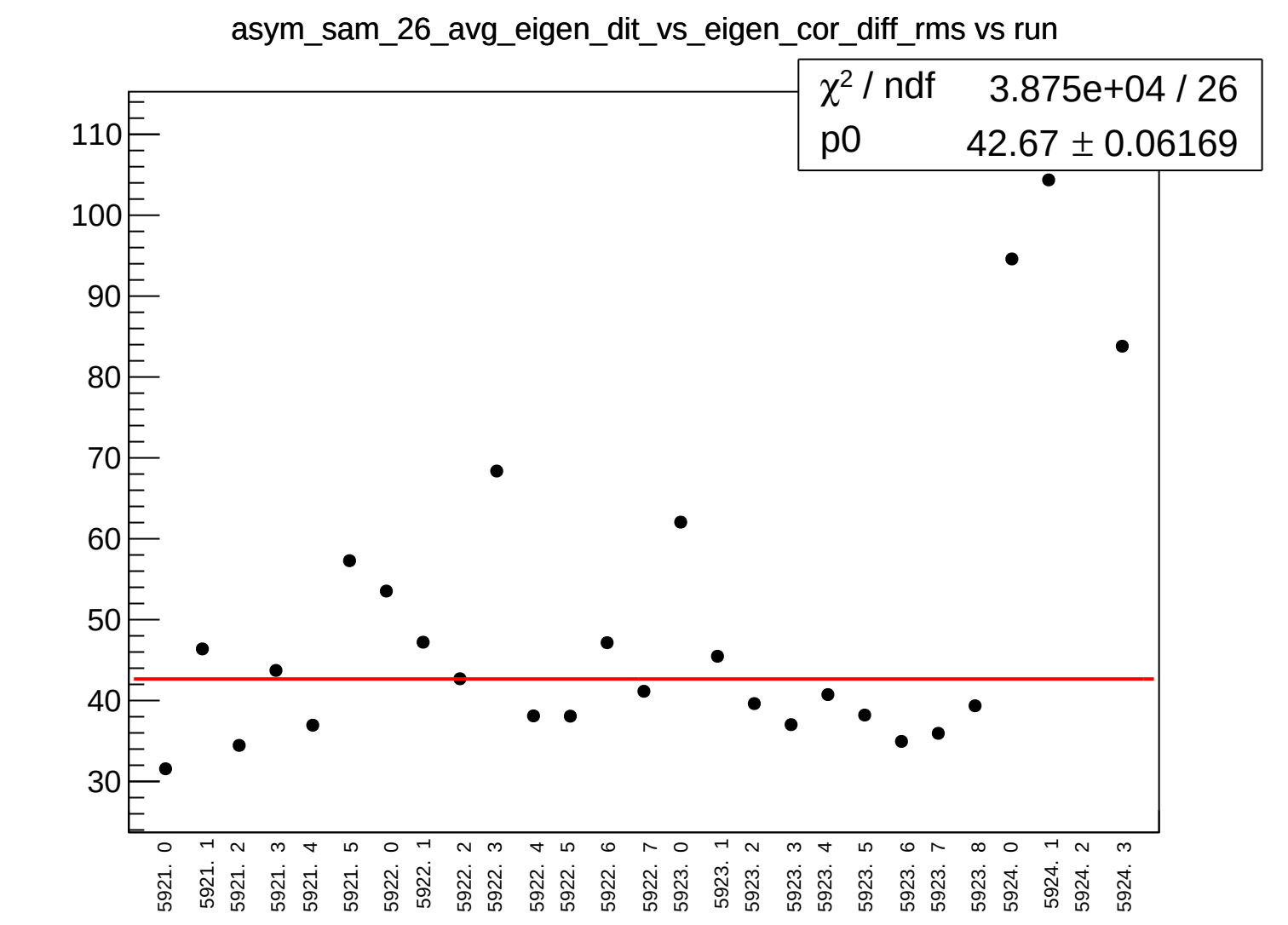

pull1D
Entries 27
Mean 0.01169
Std Dev 1.048
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

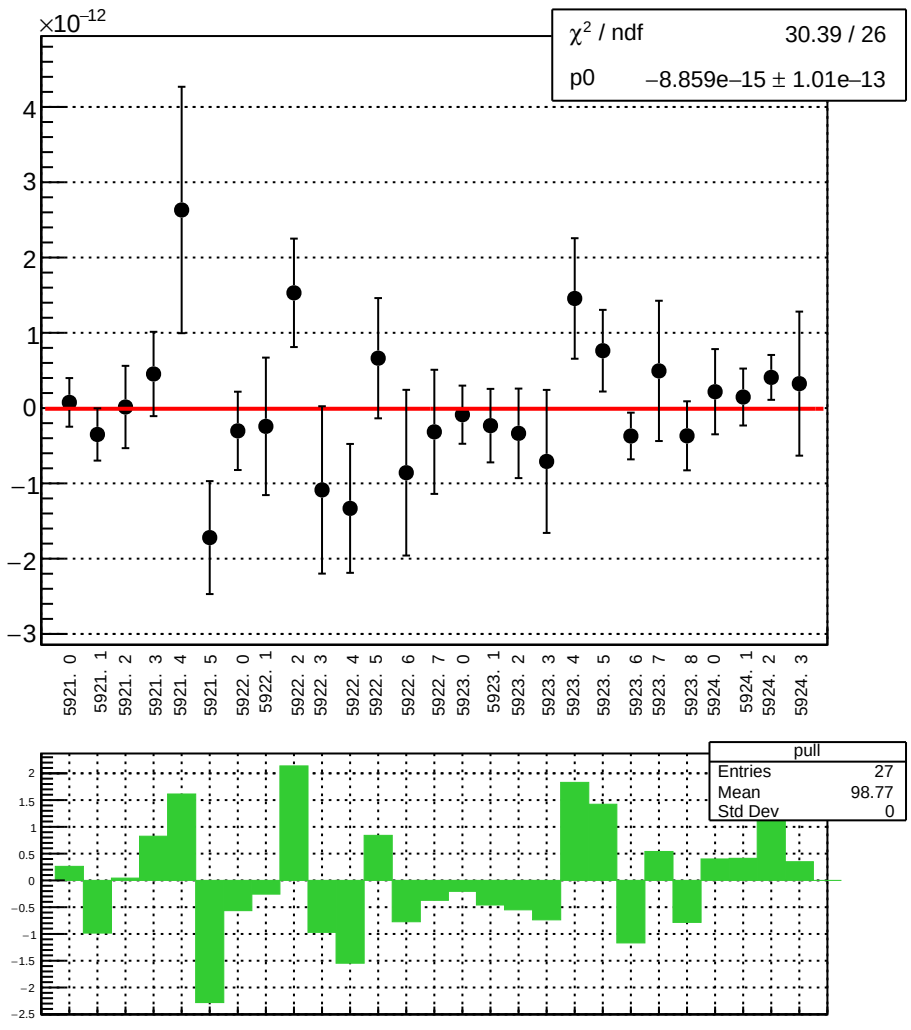

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.299e+04 / 26
p0 0.007059 ± 9.942e−06
0.012
0.011
0.01
0.009
0.008
0.007
0.006
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

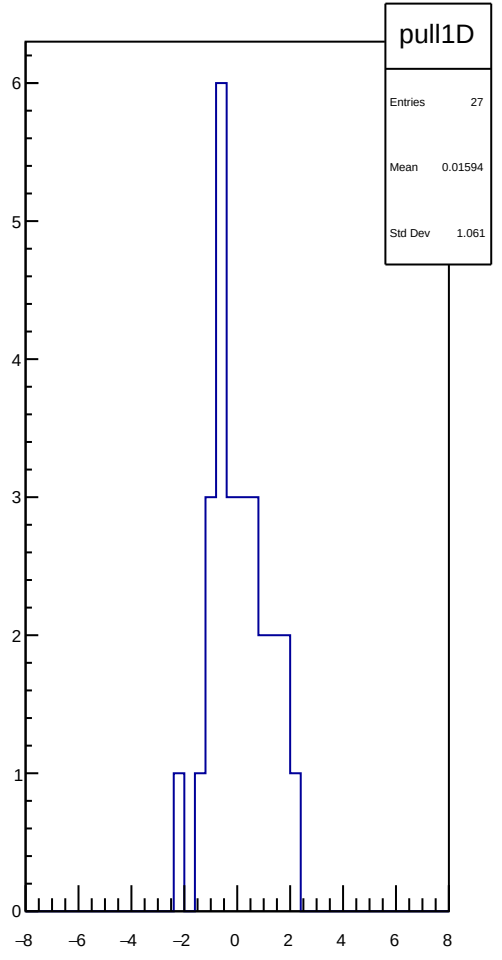

asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 26.47 / 26
p0 −0.1066 ± 0.08724
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 1762
Std Dev 0
pull1D
Entries 27
Mean 0.001075
Std Dev 0.9902
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

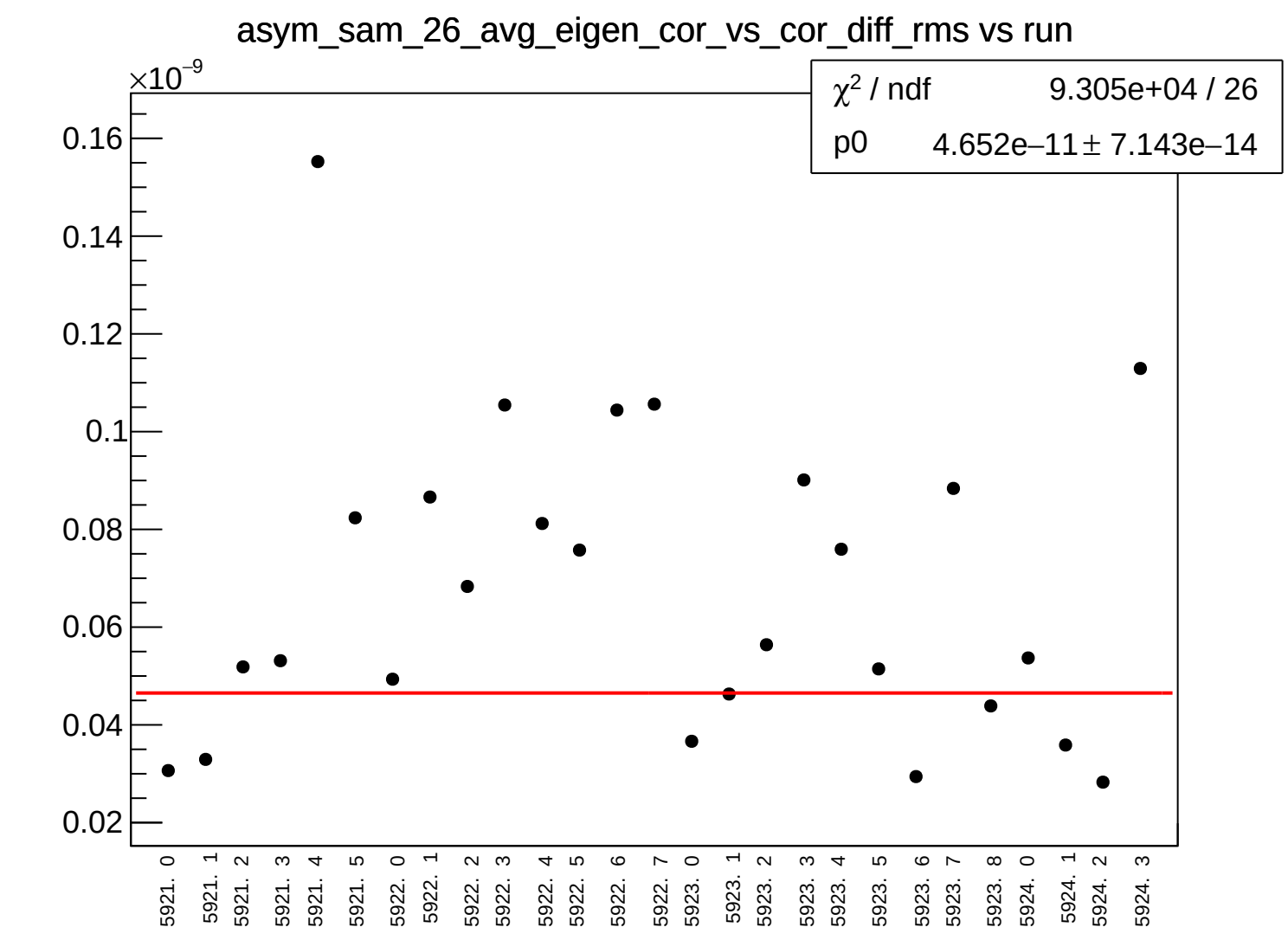

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.875e+04 / 26
p0 42.67 ± 0.06169
110
100
90
80
70
60
50
40
30
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

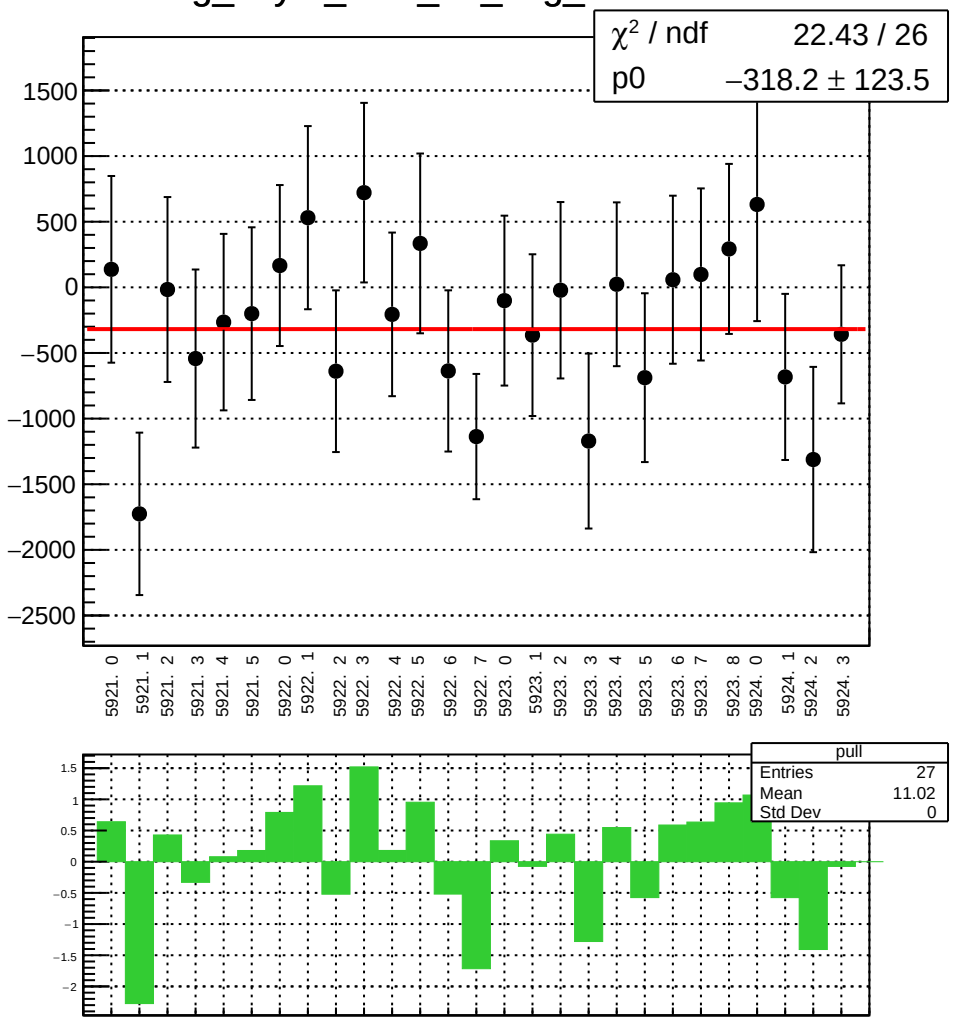

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 26.47 / 26
p0 −0.1066 ± 0.08724
pull
Entries 27
Mean 1762
Std Dev 0
pull1D
Entries 27
Mean 0.001075
Std Dev 0.9902

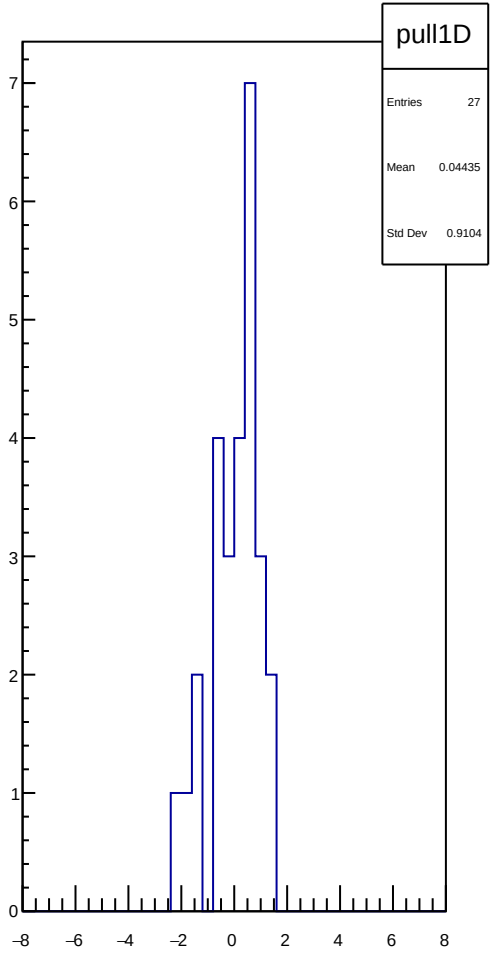

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.875e+04 / 26
p0 42.67 ± 0.06169
110
100
90
80
70
60
50
40
30
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

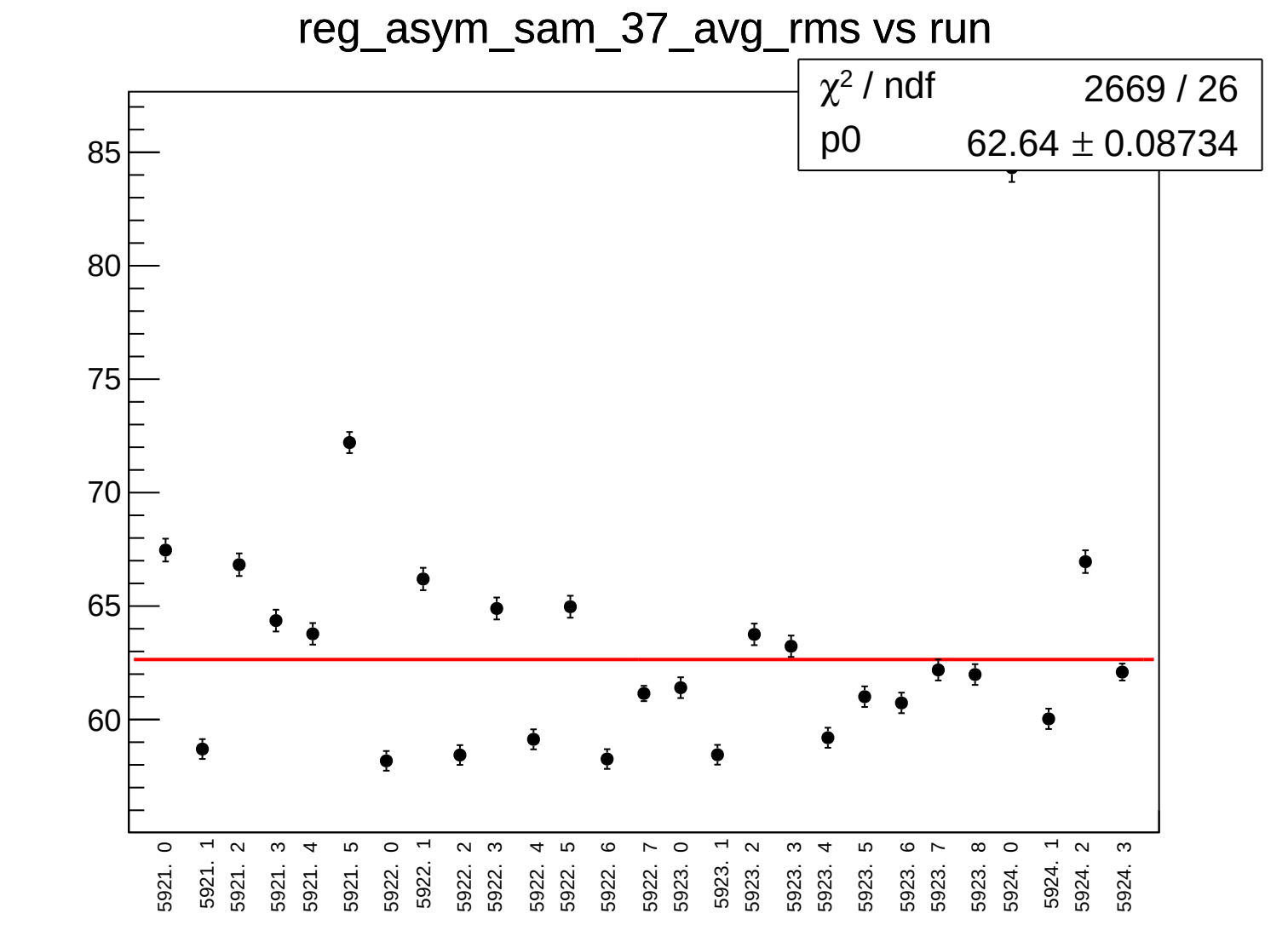

asym_sam_26_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 30.39 / 26
p0 −8.859e−15 ± 1.01e−13
4
3
2
1
0
−1
−2
−3
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 98.77
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

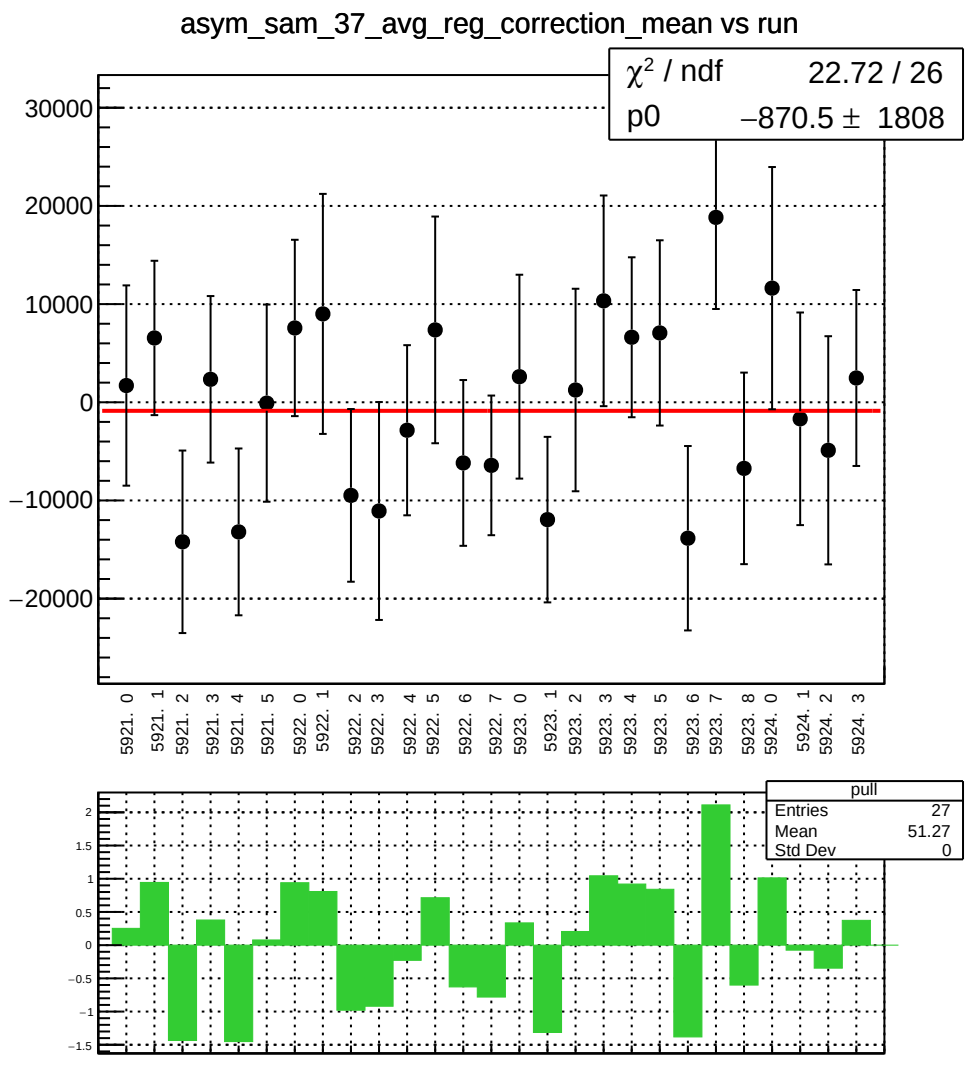

pull1D
Entries 27
Mean 0.01594
Std Dev 1.061
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

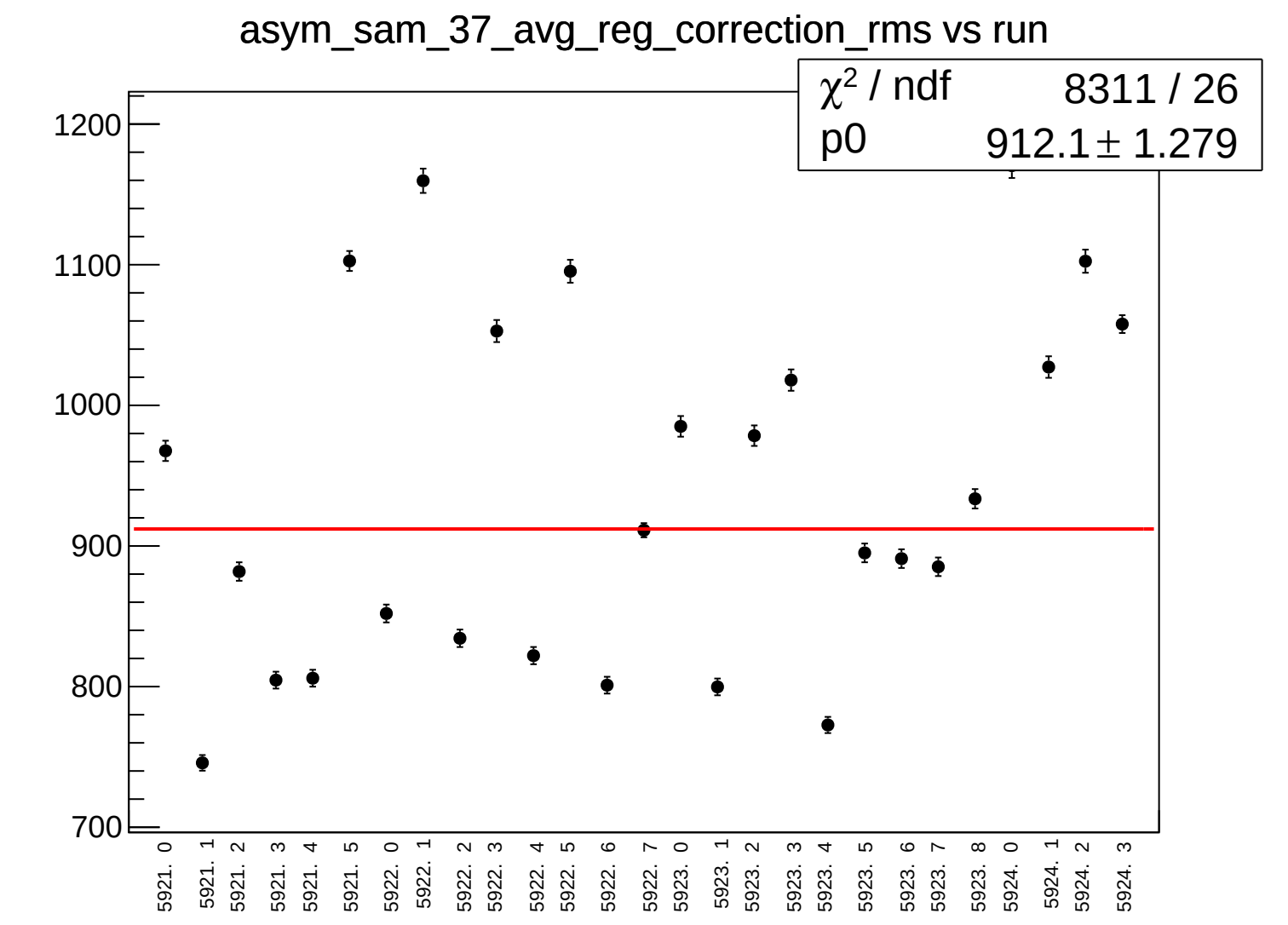

asym_sam_26_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 9.305e+04 / 26
p0 4.652e−11 ± 7.143e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

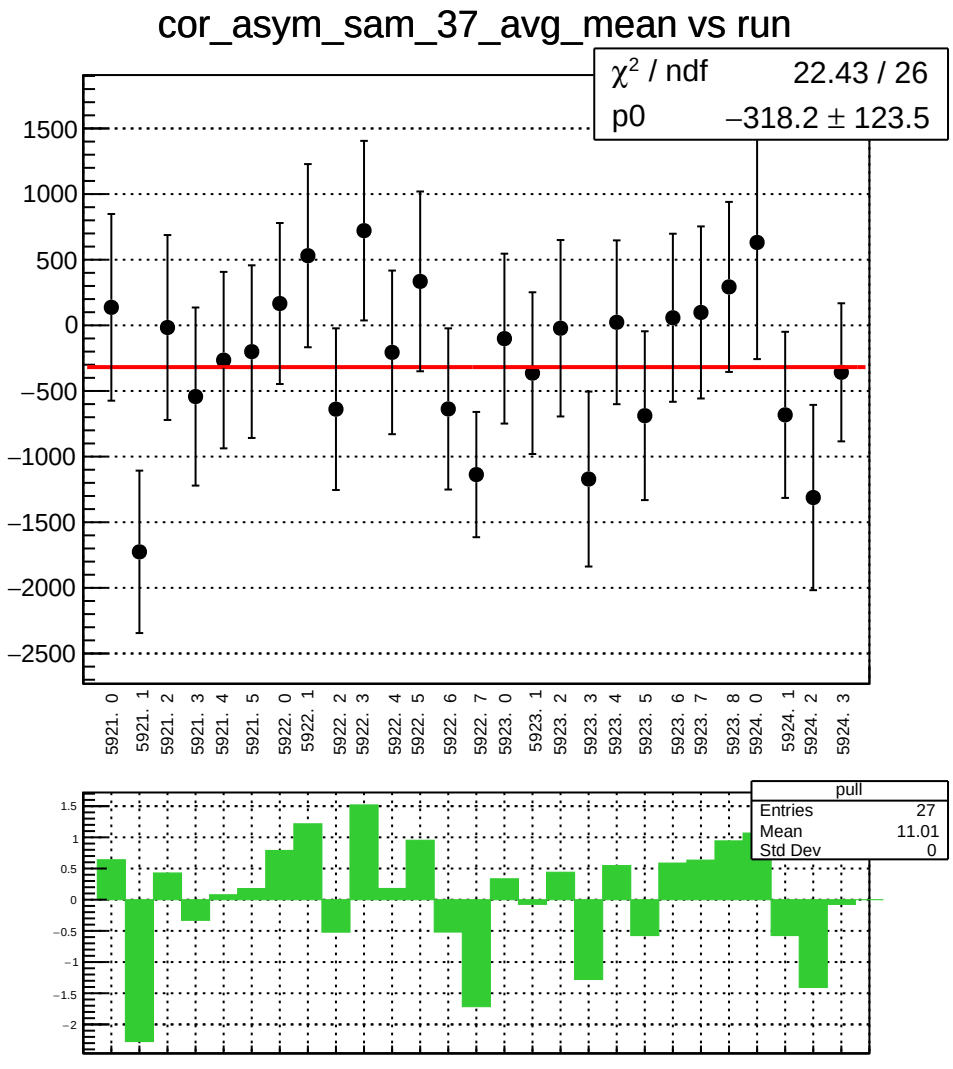

reg_asym_sam_37_avg_mean vs run
χ² / ndf 22.43 / 26
p0 −318.2 ± 123.5
1500
1000
500
0
−500
−1000
−1500
−2000
−2500
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 11.02
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

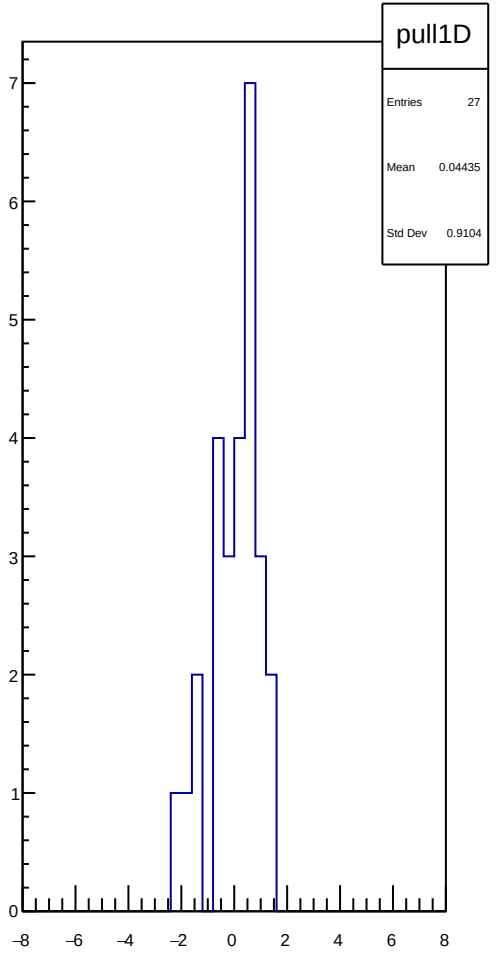

pull1D
Entries 27
Mean 0.04435
Std Dev 0.9104
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

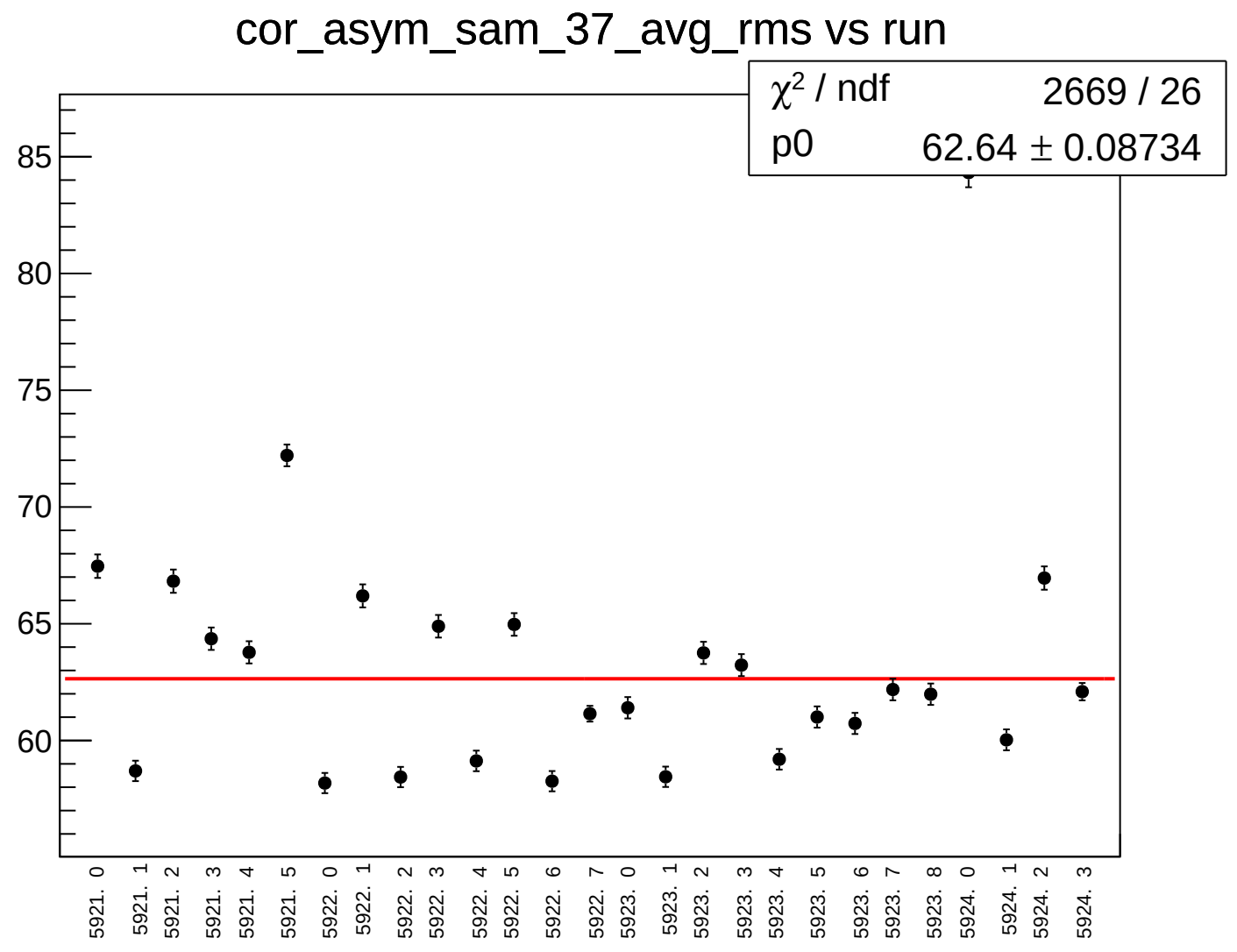

reg_asym_sam_37_avg_rms vs run
χ² / ndf 2669 / 26
p0 62.64 ± 0.08734
85
80
75
70
65
60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

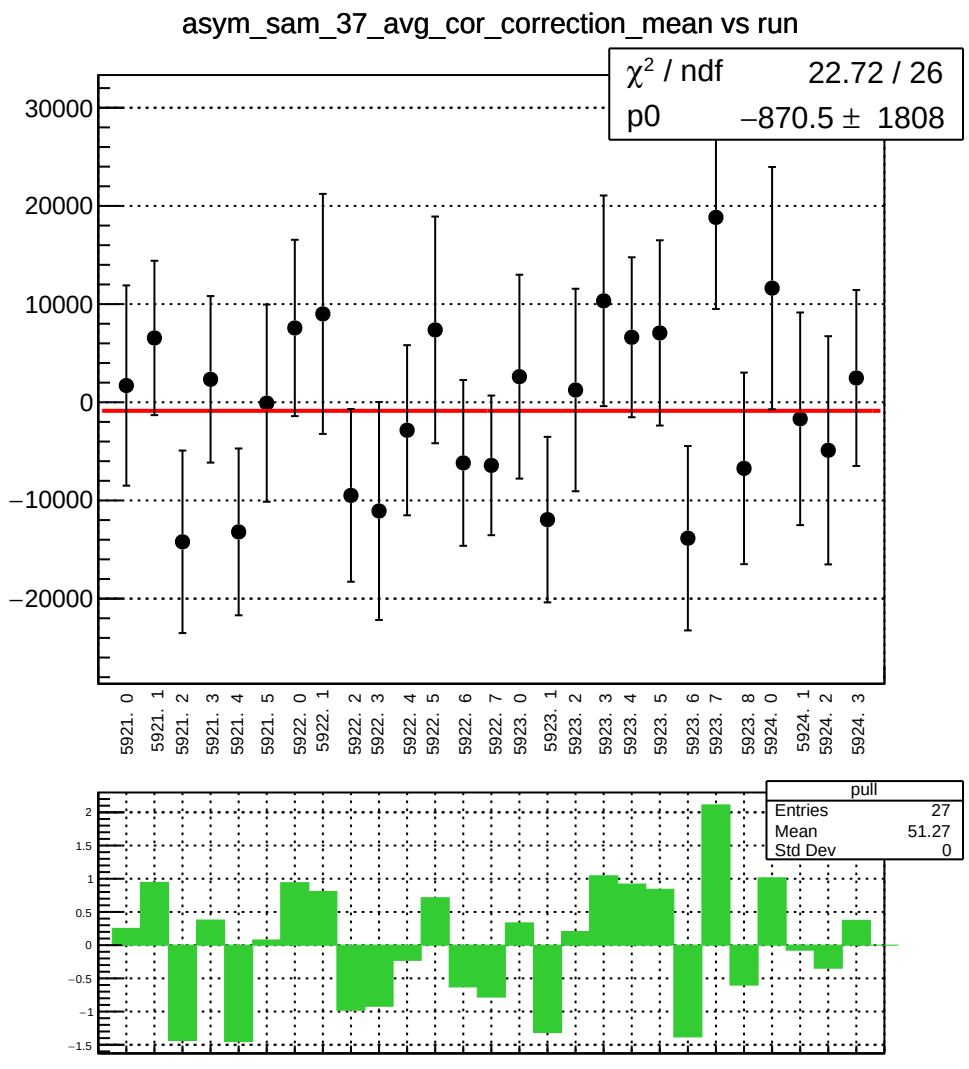

asym_sam_37_avg_reg_correction_mean vs run
χ² / ndf 22.72 / 26
p0 −870.5 ± 1808
30000
20000
10000
0
−10000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 51.27
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.03023
Std Dev 0.9169
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

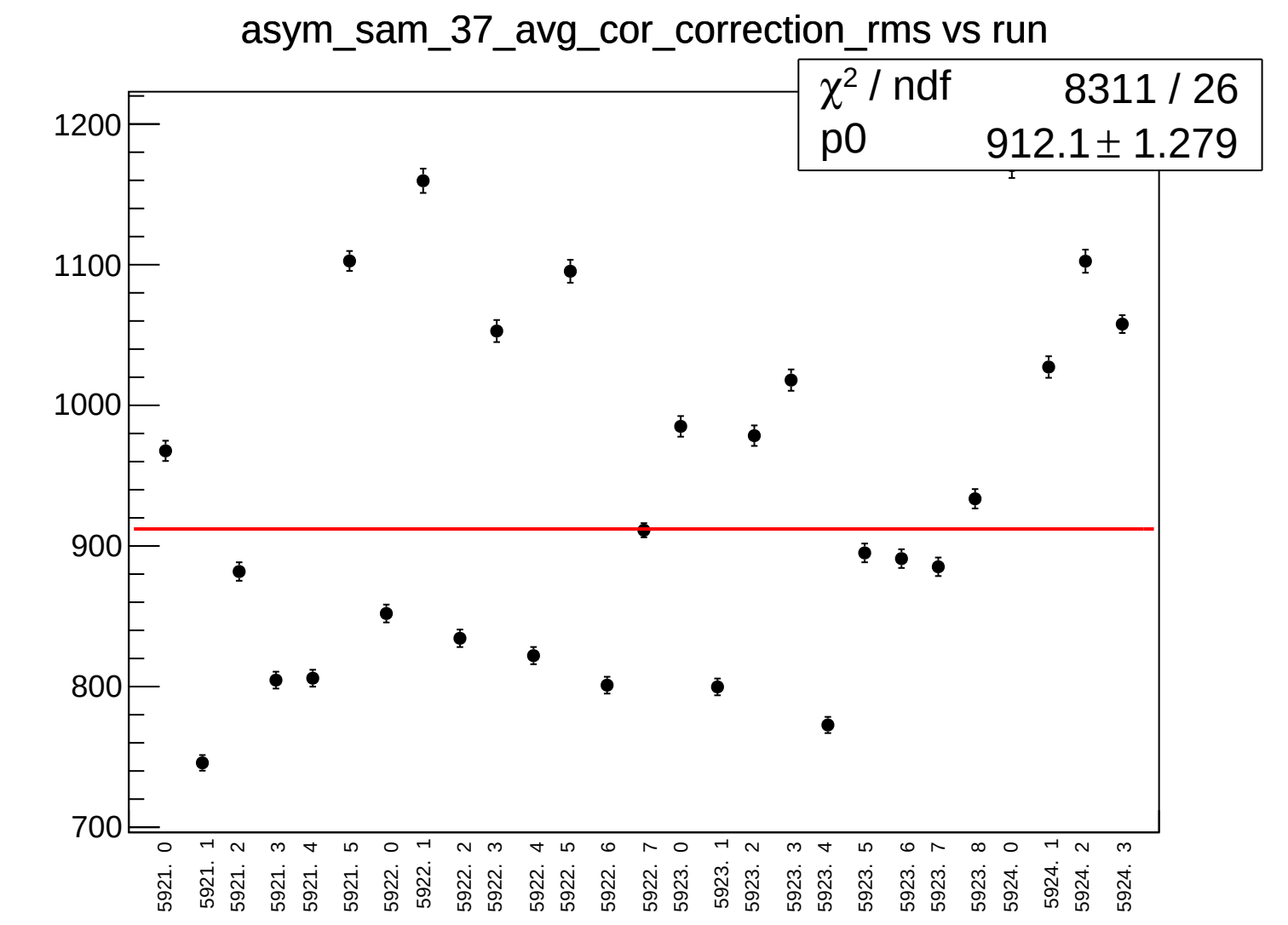

asym_sam_37_avg_reg_correction_rms vs run
χ² / ndf 8311 / 26
p0 912.1 ± 1.279
1200
1100
1000
900
800
700
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

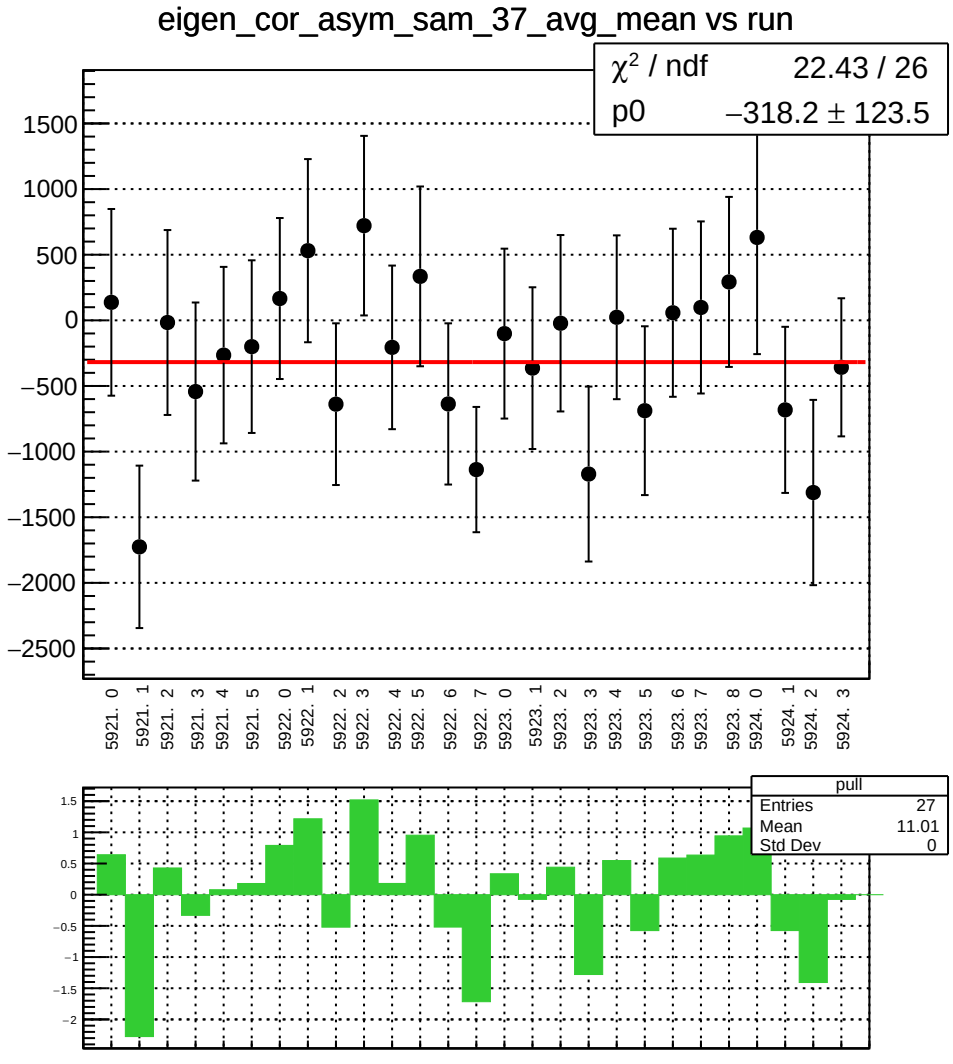

cor_asym_sam_37_avg_mean vs run
χ² / ndf 22.43 / 26
p0 −318.2 ± 123.5
1500
1000
500
0
−500
−1000
−1500
−2000
−2500
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 11.01
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

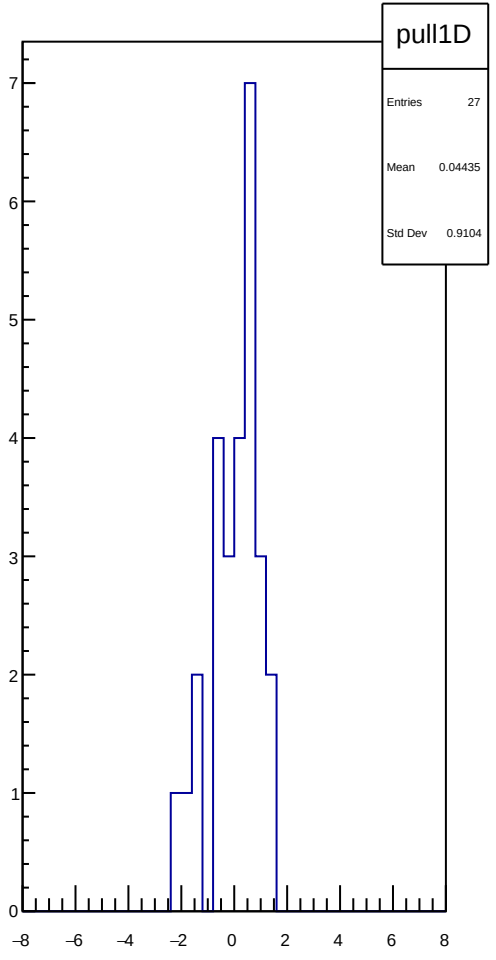

pull1D
Entries 27
Mean 0.04435
Std Dev 0.9104
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

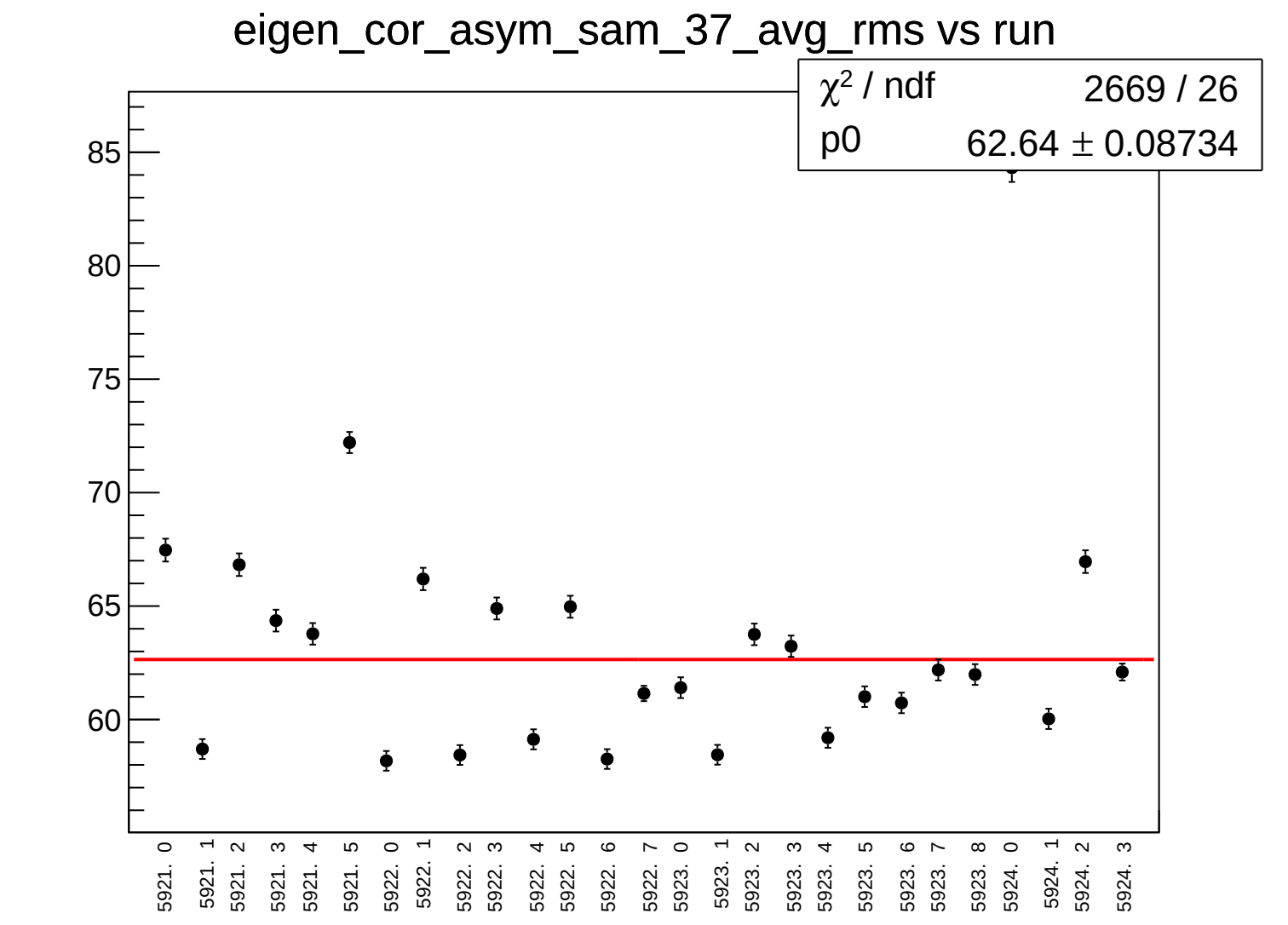

cor_asym_sam_37_avg_rms vs run
χ² / ndf 2669 / 26
p0 62.64 ± 0.08734
85
80
75
70
65
60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

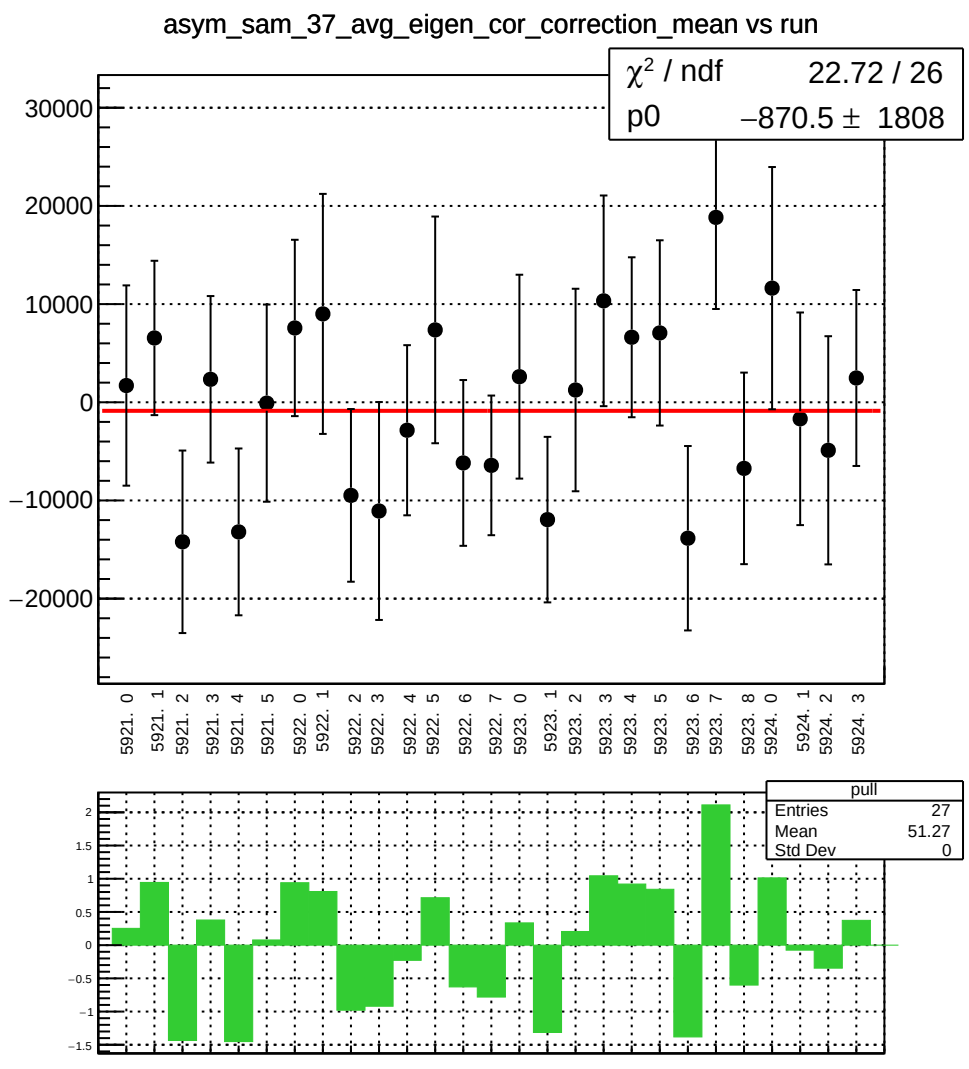

asym_sam_37_avg_cor_correction_mean vs run
χ² / ndf 22.72 / 26
p0 −870.5 ± 1808
30000
20000
10000
0
−10000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 51.27
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.03023
Std Dev 0.9169
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

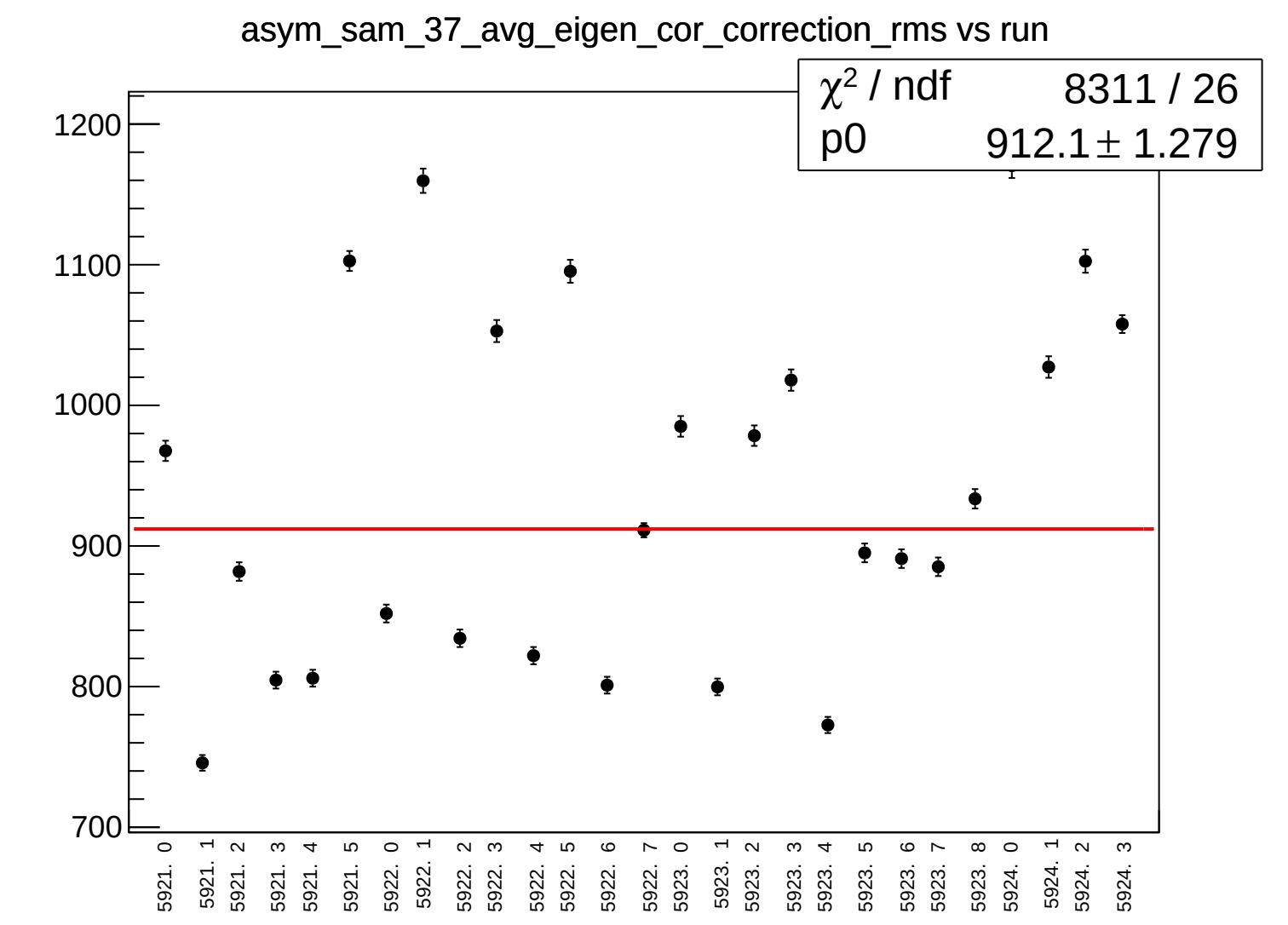

asym_sam_37_avg_cor_correction_rms vs run
χ² / ndf 8311 / 26
p0 912.1 ± 1.279
1200
1100
1000
900
800
700
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

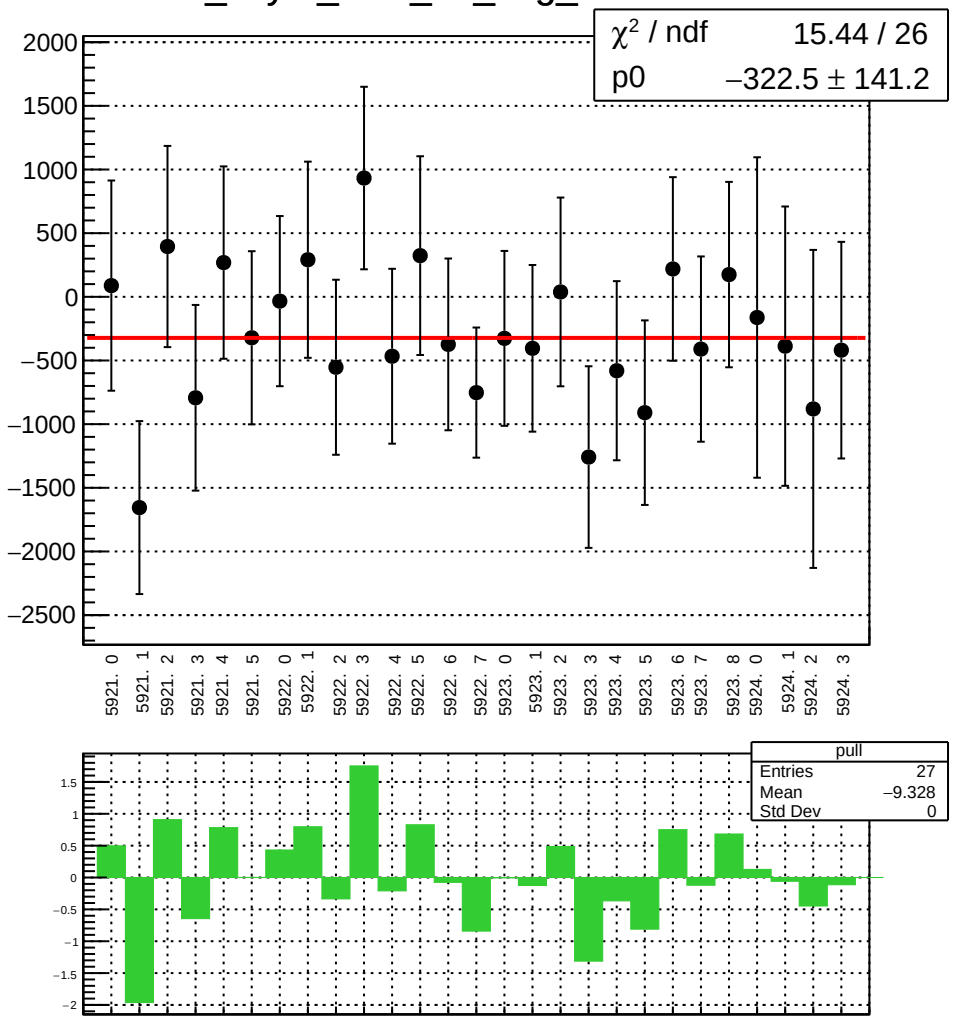

eigen_cor_asym_sam_37_avg_mean vs run
χ² / ndf 22.43 / 26
p0 −318.2 ± 123.5
1500
1000
500
0
−500
−1000
−1500
−2000
−2500
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 11.01
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

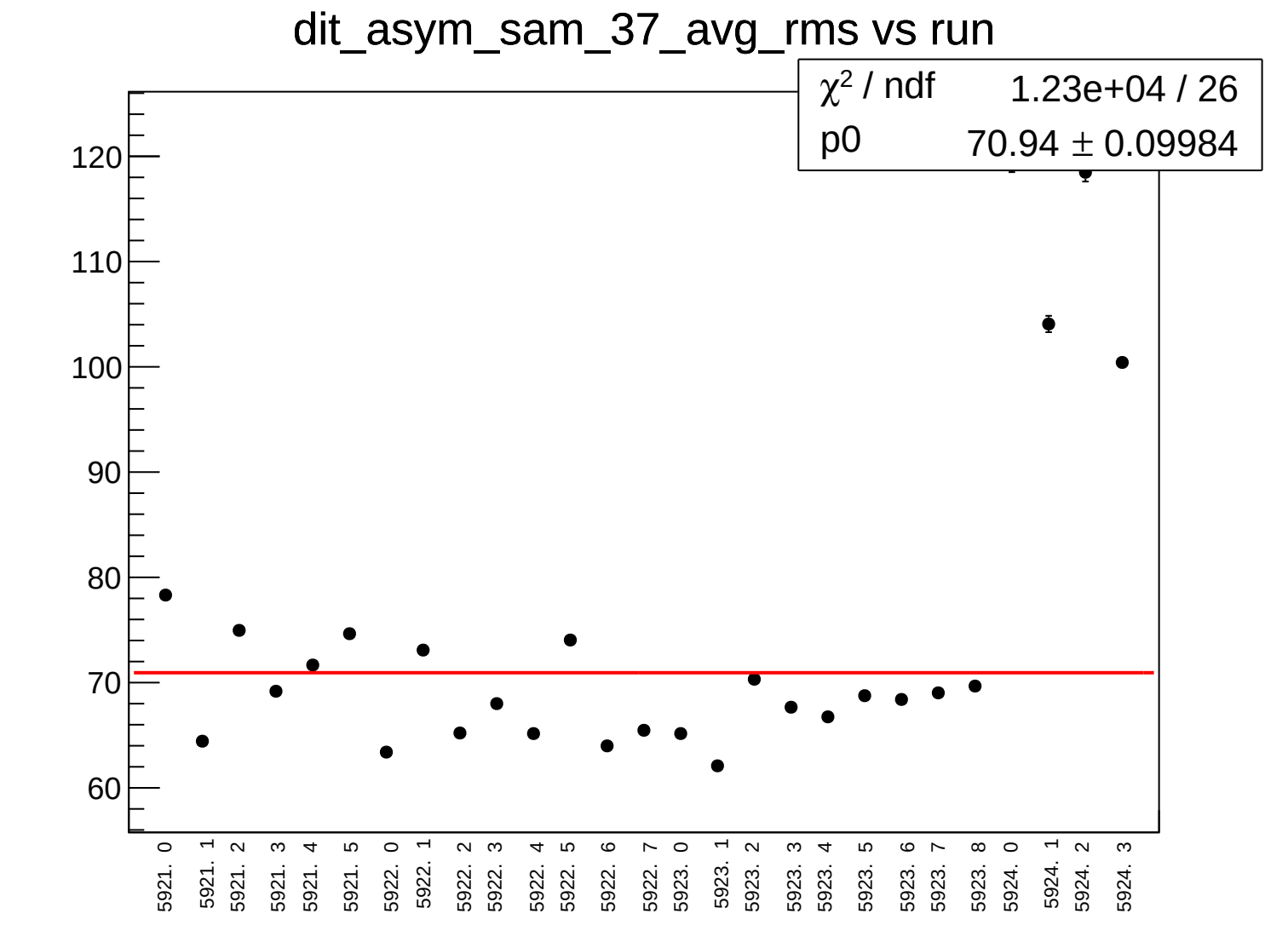

pull1D
Entries 27
Mean 0.04435
Std Dev 0.9104
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

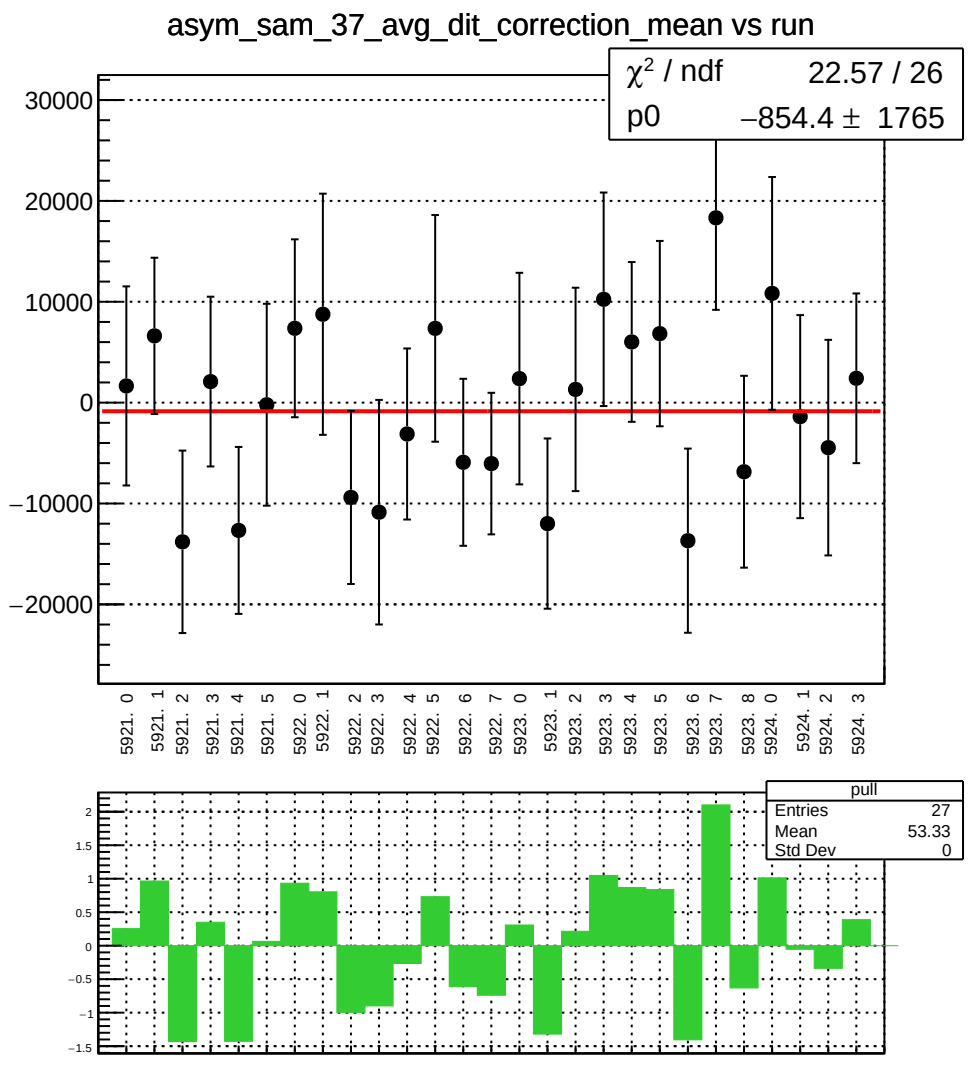

eigen_cor_asym_sam_37_avg_rms vs run
χ² / ndf 2669 / 26
p0 62.64 ± 0.08734
85
80
75
70
65
60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

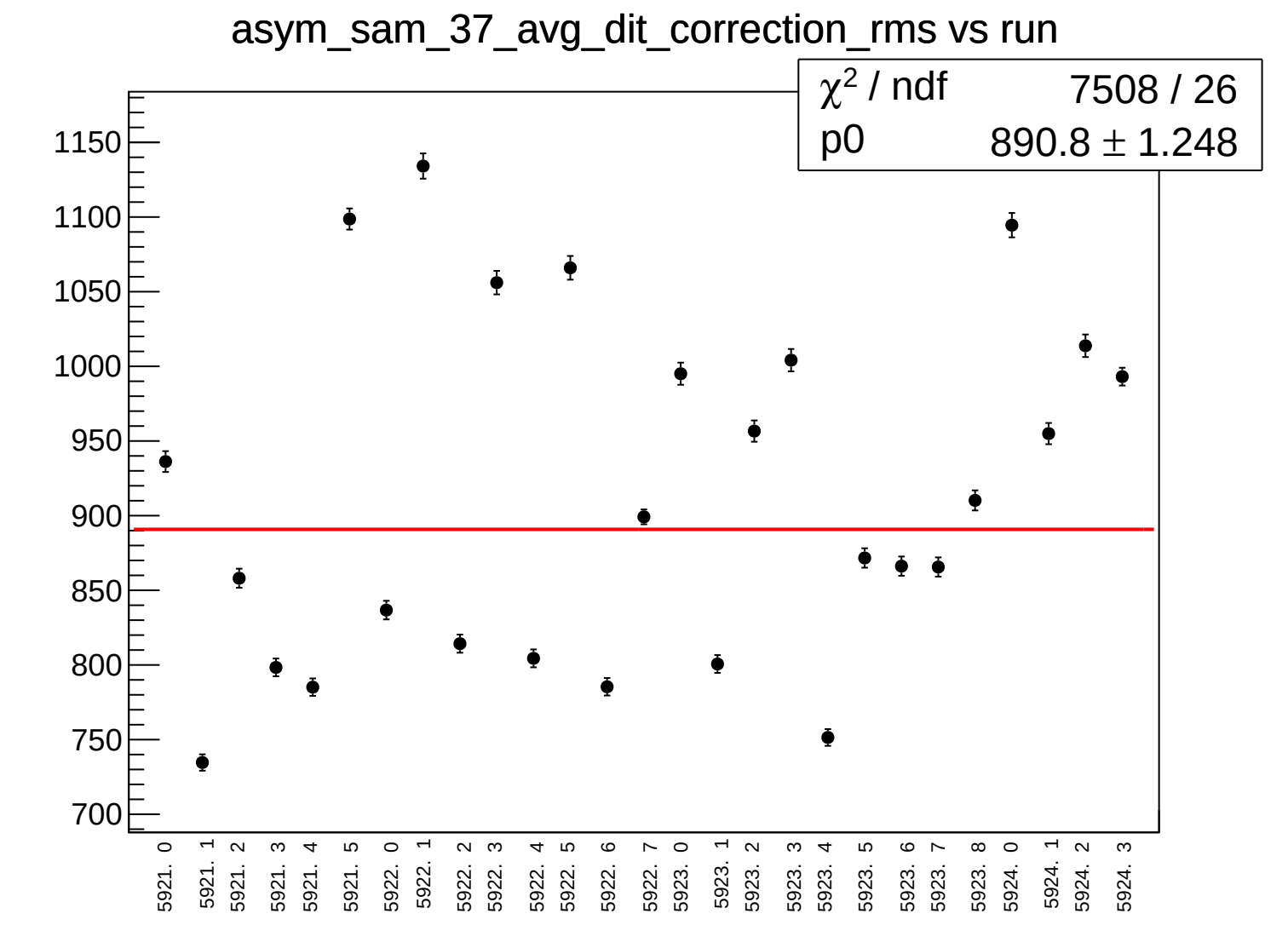

asym_sam_37_avg_eigen_cor_correction_mean vs run
χ² / ndf 22.72 / 26
p0 −870.5 ± 1808
30000
20000
10000
0
−10000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 51.27
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.03023
Std Dev 0.9169
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

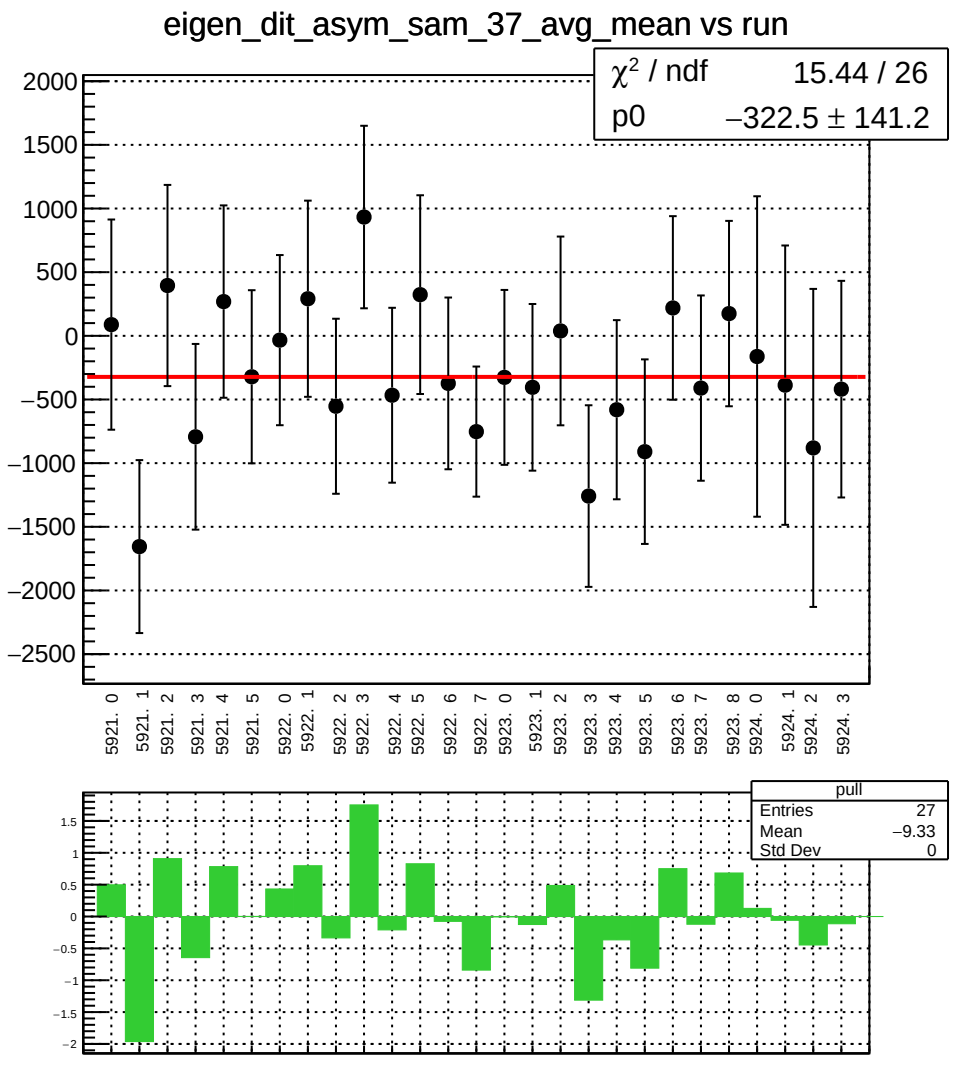

asym_sam_37_avg_eigen_cor_correction_rms vs run
χ² / ndf 8311 / 26
p0 912.1 ± 1.279
1200
1100
1000
900
800
700
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

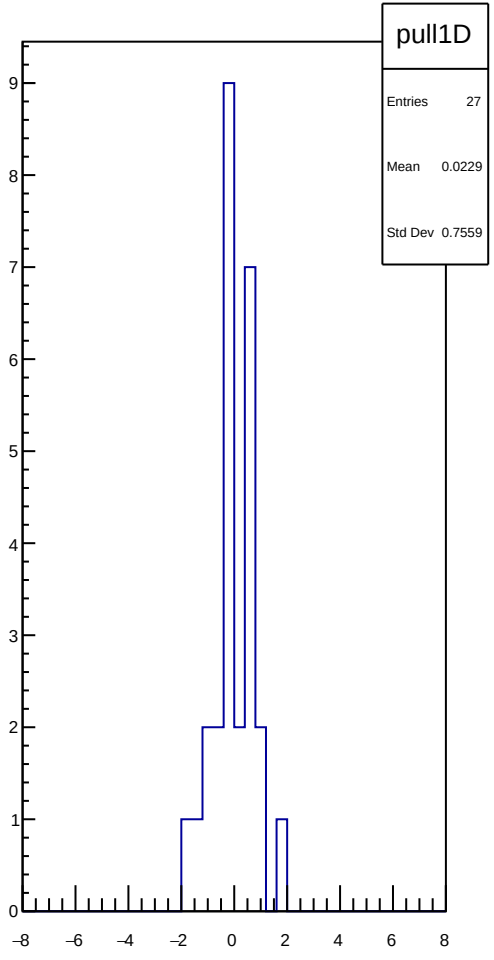

dit_asym_sam_37_avg_mean vs run
χ² / ndf 15.44 / 26
p0 −322.5 ± 141.2
pull
Entries 27
Mean −9.328
Std Dev 0
pull1D
Entries 27
Mean 0.0229
Std Dev 0.7559

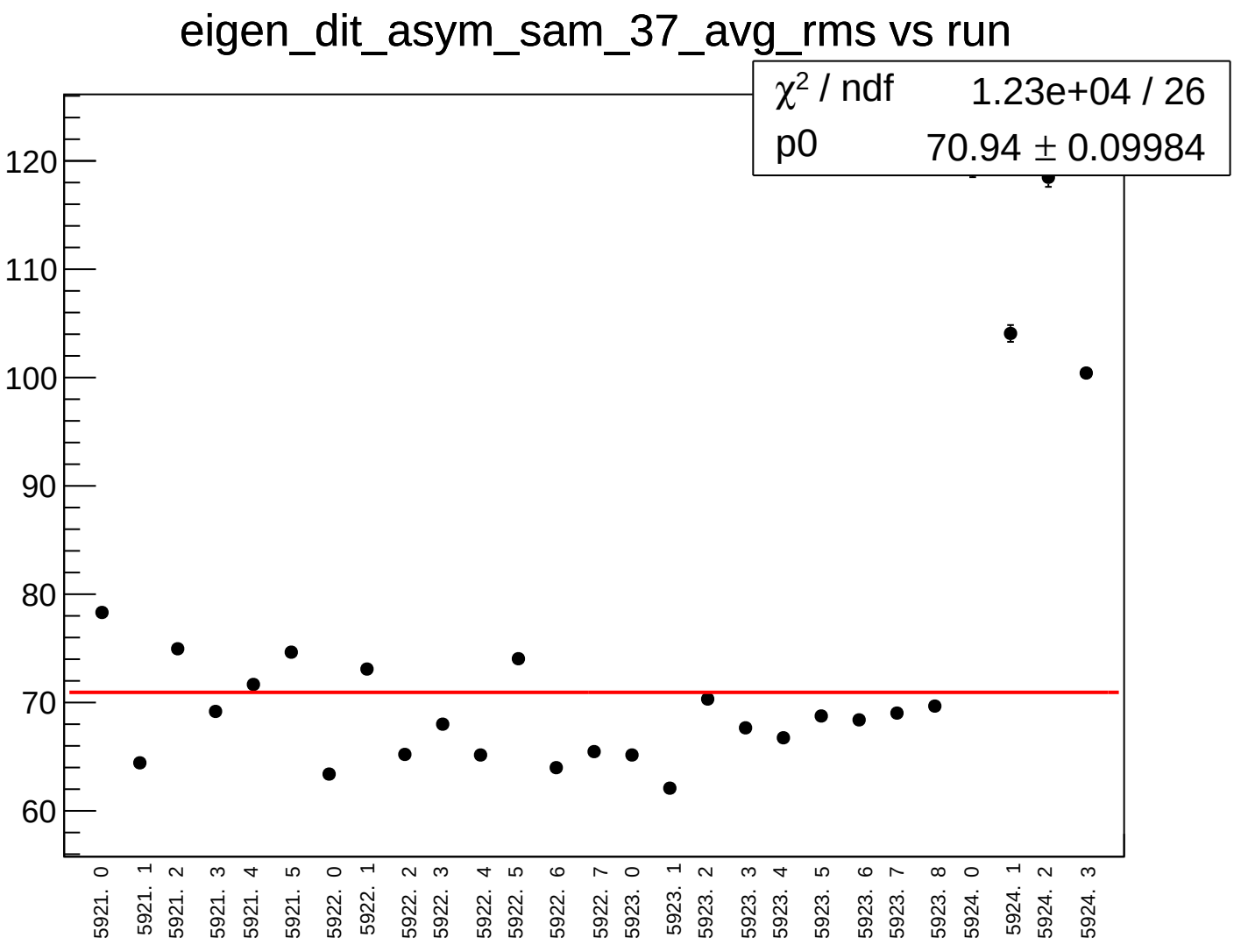

dit_asym_sam_37_avg_rms vs run
χ² / ndf 1.23e+04 / 26
p0 70.94 ± 0.09984
120
110
100
90
80
70
60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

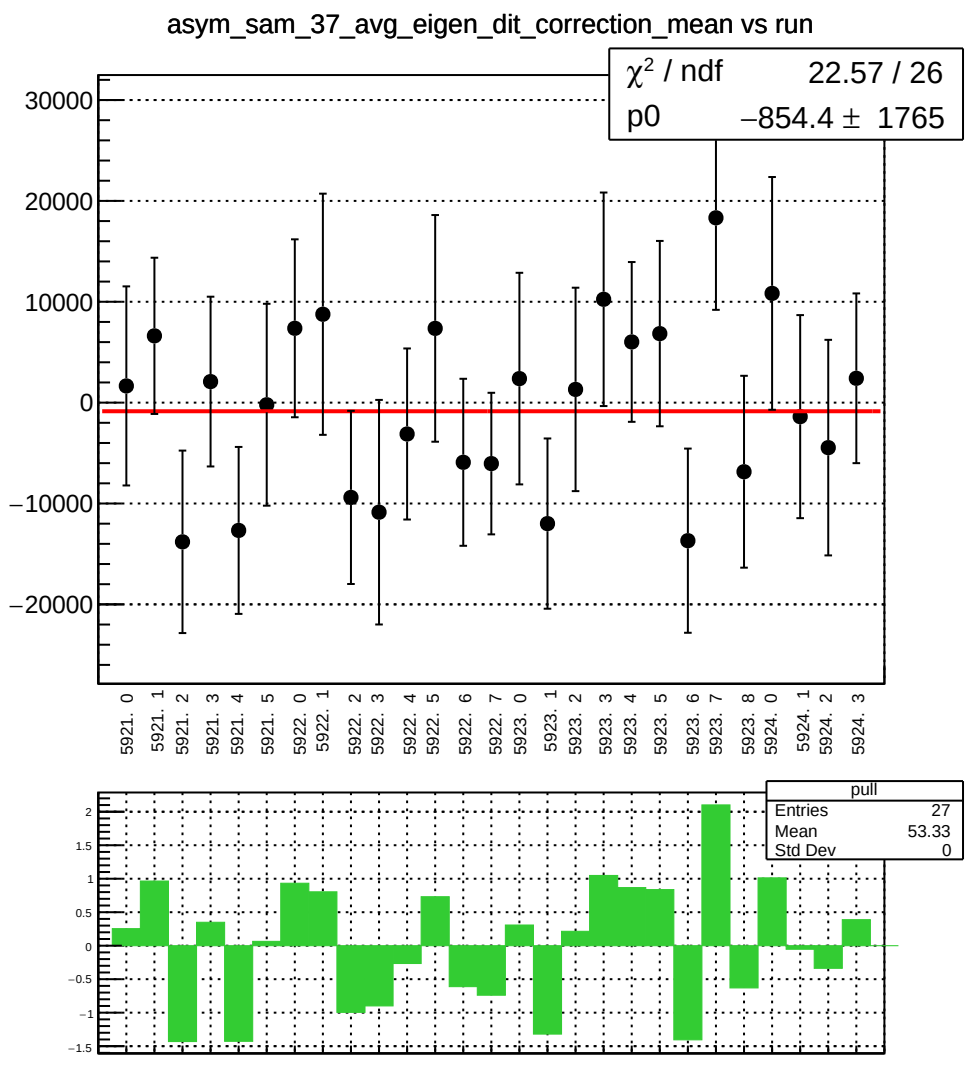

asym_sam_37_avg_dit_correction_mean vs run
χ² / ndf 22.57 / 26
p0 −854.4 ± 1765
30000
20000
10000
0
−10000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 53.33
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.02843
Std Dev 0.9139
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

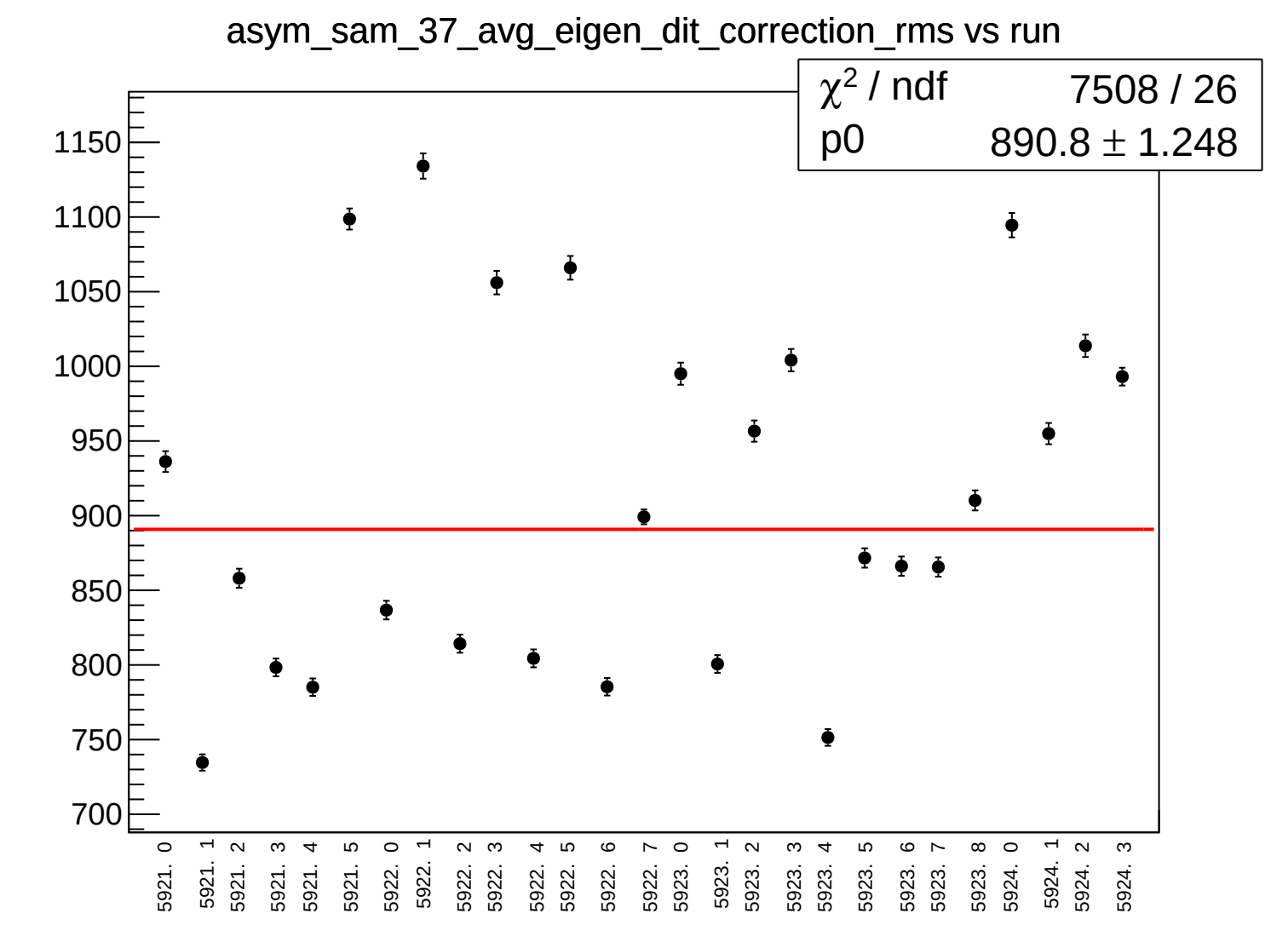

asym_sam_37_avg_dit_correction_rms vs run
χ² / ndf 7508 / 26
p0 890.8 ± 1.248
1150
1100
1050
1000
950
900
850
800
750
700
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

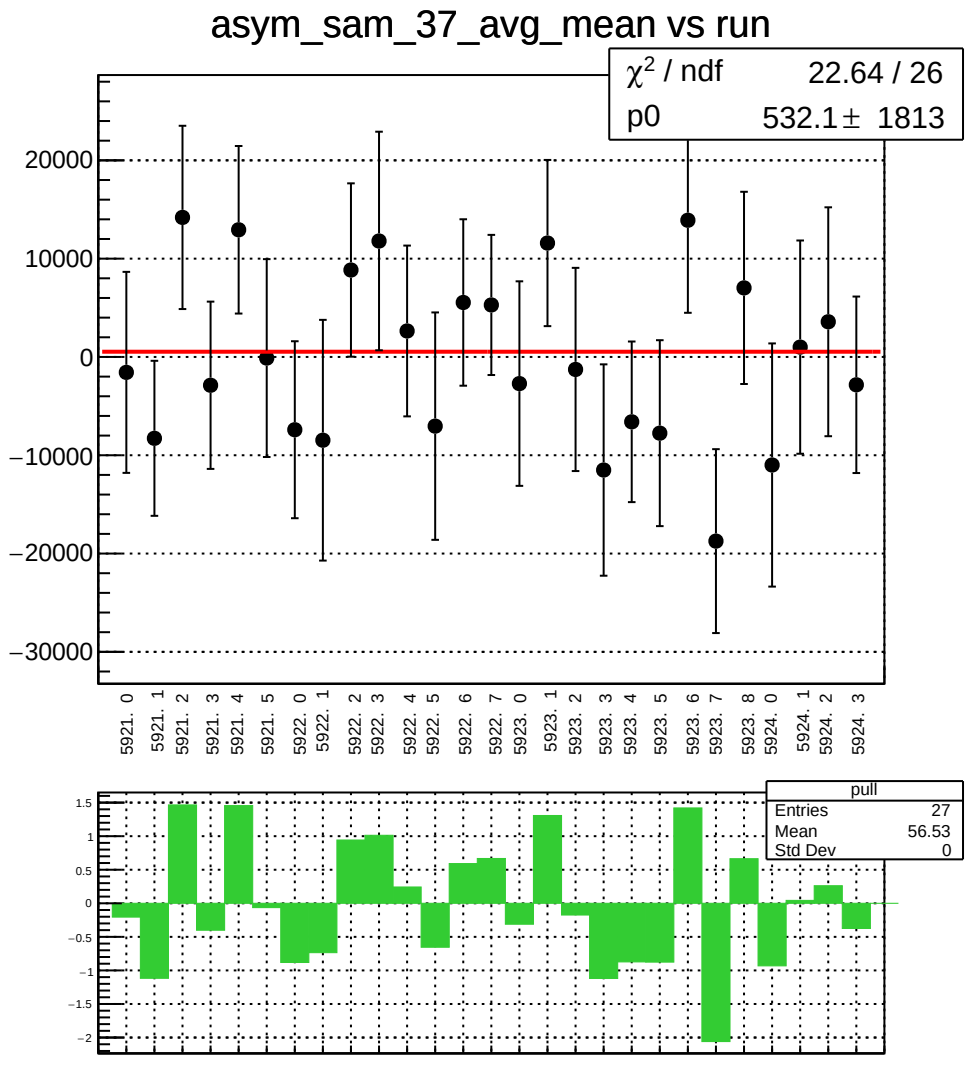

eigen_dit_asym_sam_37_avg_mean vs run
χ² / ndf 15.44 / 26
p0 −322.5 ± 141.2
2000
1500
1000
500
0
−500
−1000
−1500
−2000
−2500
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −9.33
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

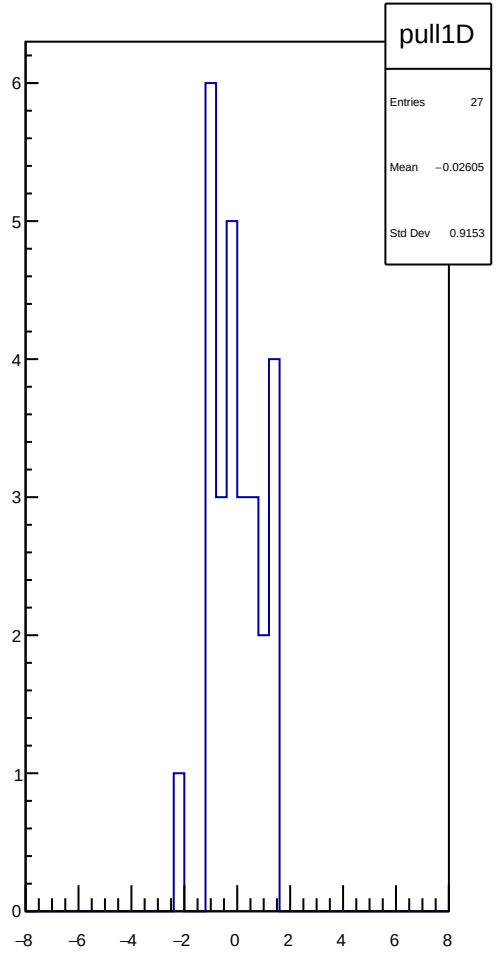

pull1D
Entries 27
Mean 0.0229
Std Dev 0.7559
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

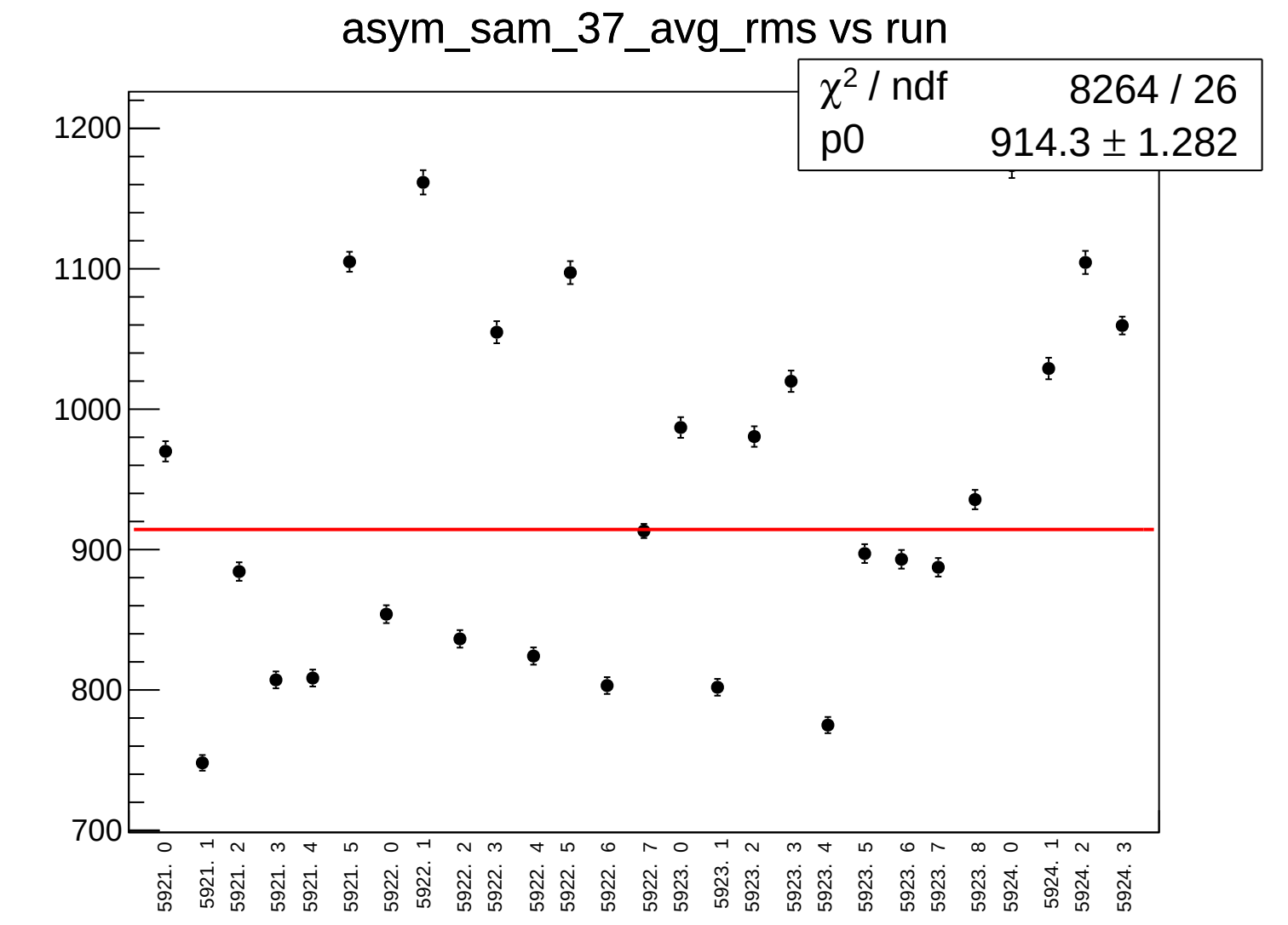

eigen_dit_asym_sam_37_avg_rms vs run
χ² / ndf 1.23e+04 / 26
p0 70.94 ± 0.09984
120
110
100
90
80
70
60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

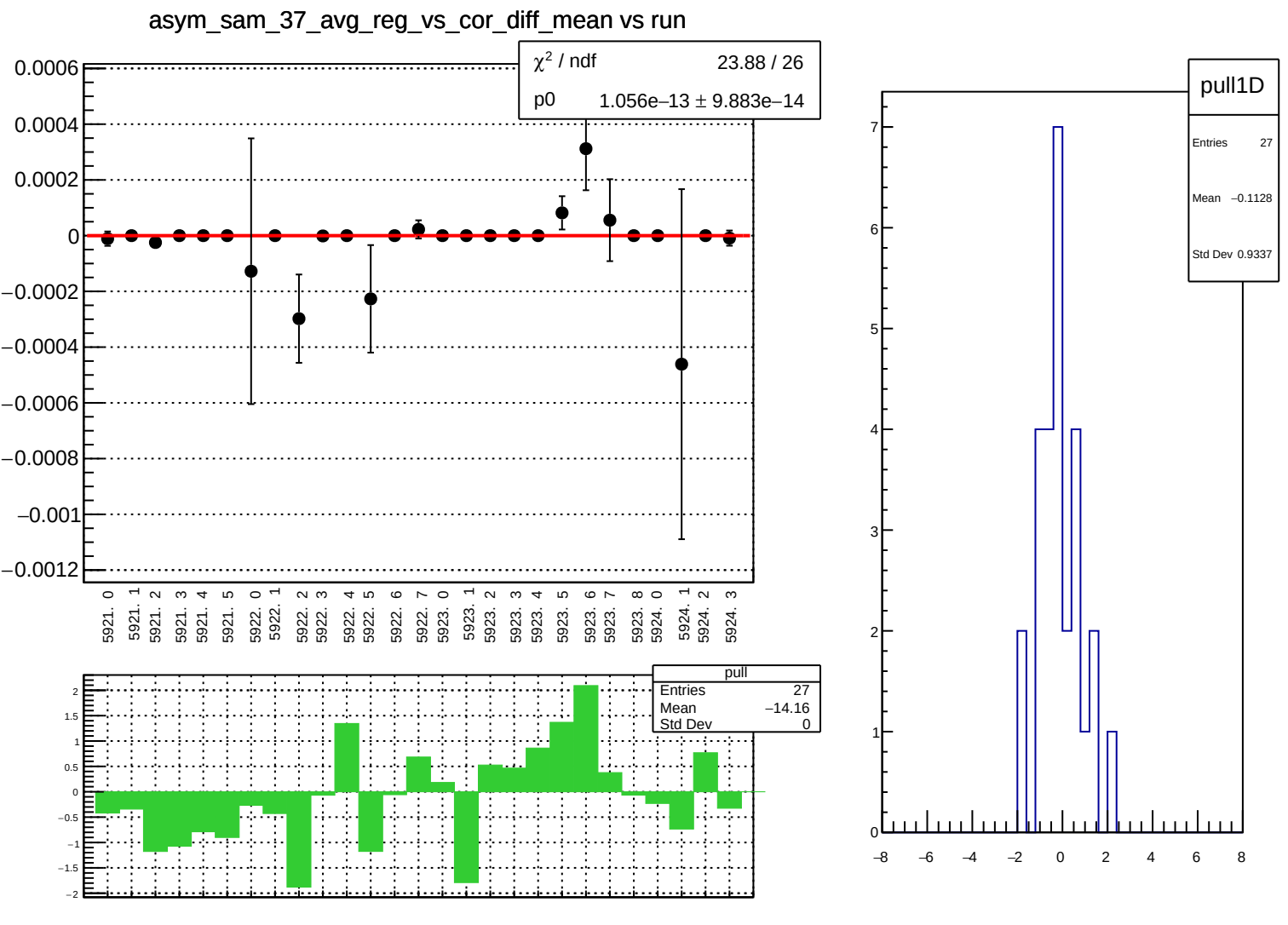

asym_sam_37_avg_eigen_dit_correction_mean vs run
χ² / ndf 22.57 / 26
p0 −854.4 ± 1765
30000
20000
10000
0
−10000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 53.33
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.02843
Std Dev 0.9139
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

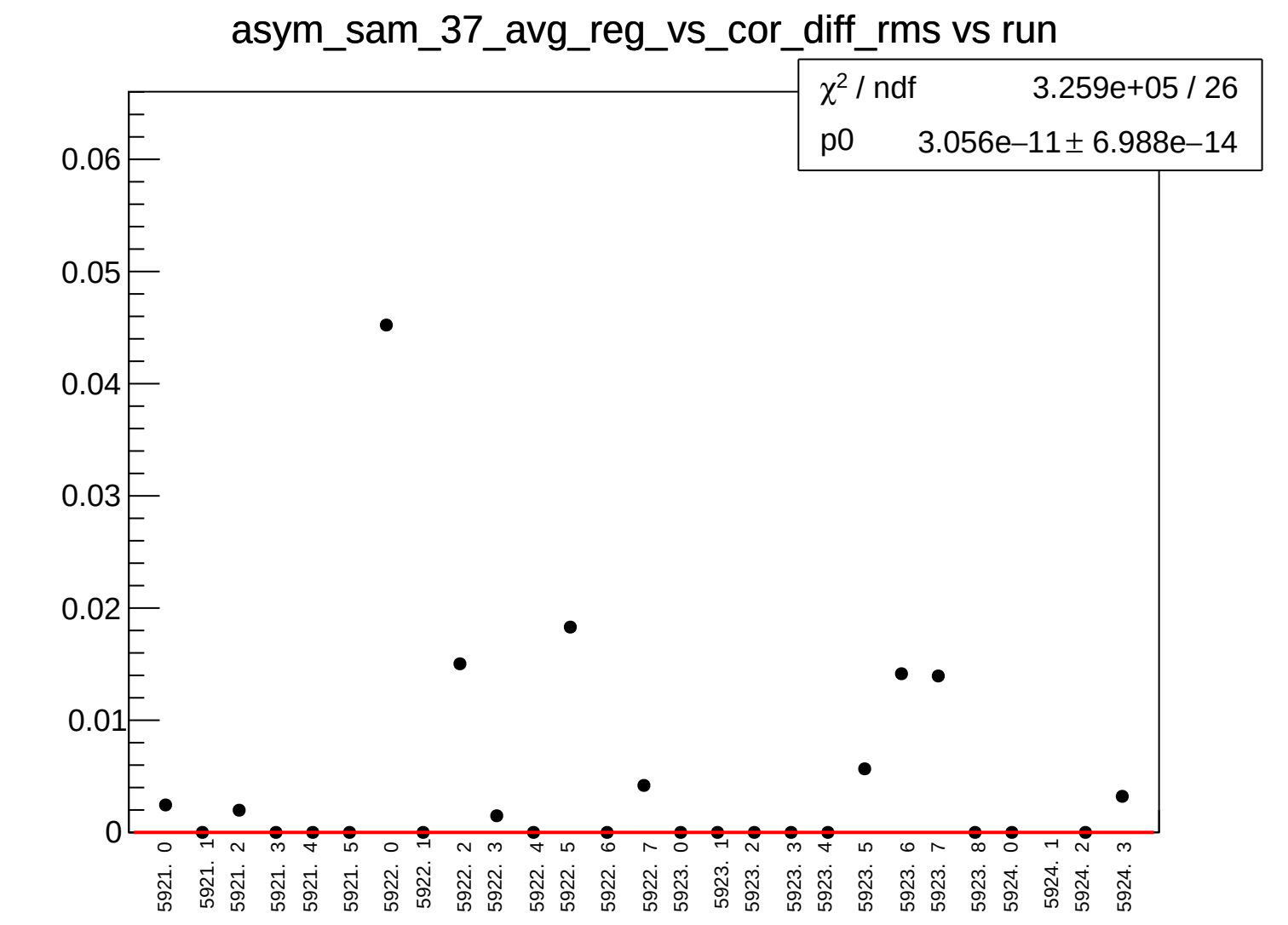

asym_sam_37_avg_eigen_dit_correction_rms vs run
χ² / ndf 7508 / 26
p0 890.8 ± 1.248
1150
1100
1050
1000
950
900
850
800
750
700
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

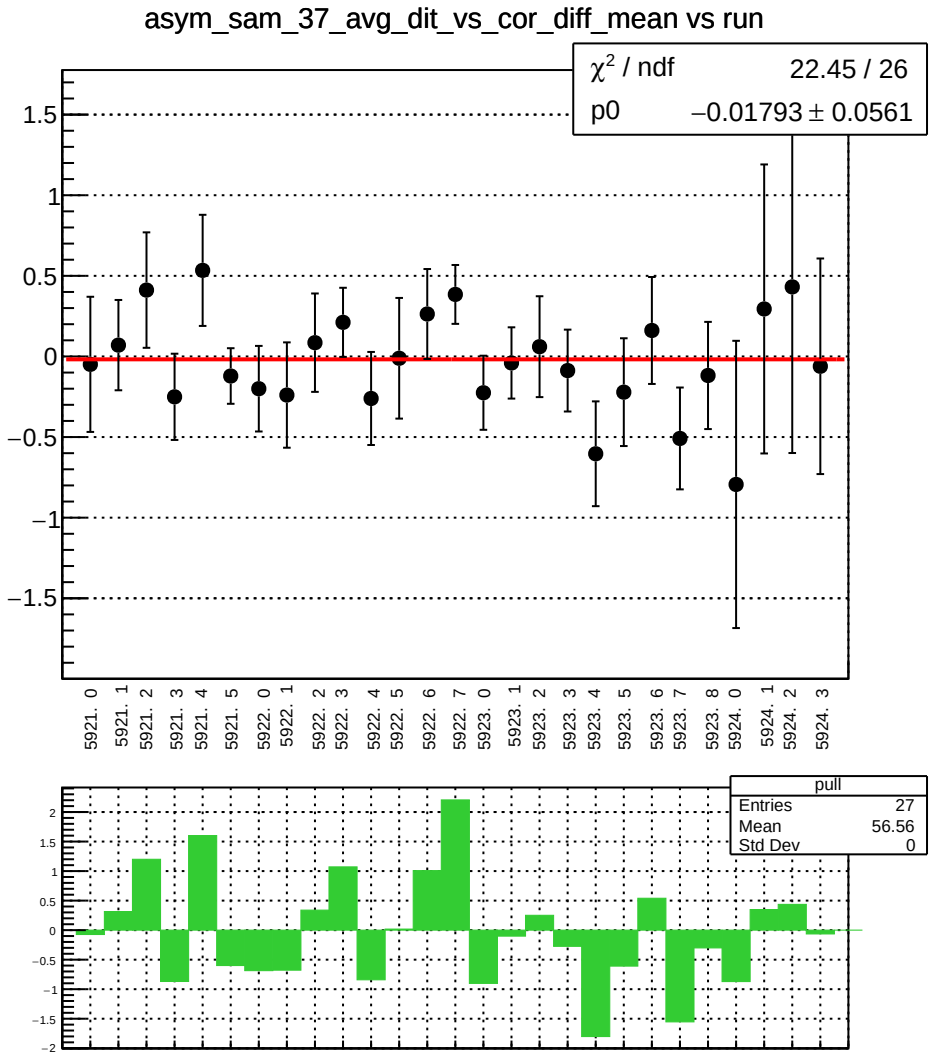

asym_sam_37_avg_mean vs run
χ² / ndf 22.64 / 26
p0 532.1± 1813
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 56.53
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

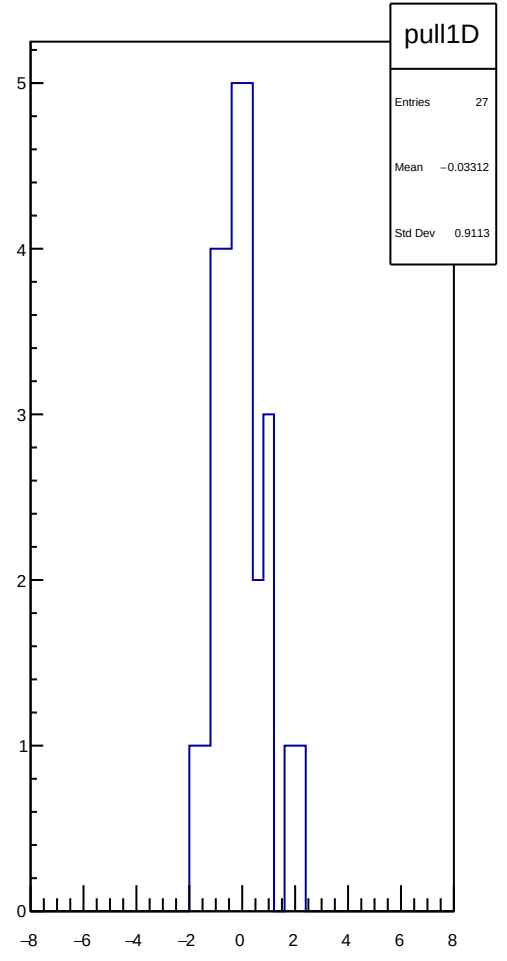

pull1D
Entries 27
Mean −0.02605
Std Dev 0.9153
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

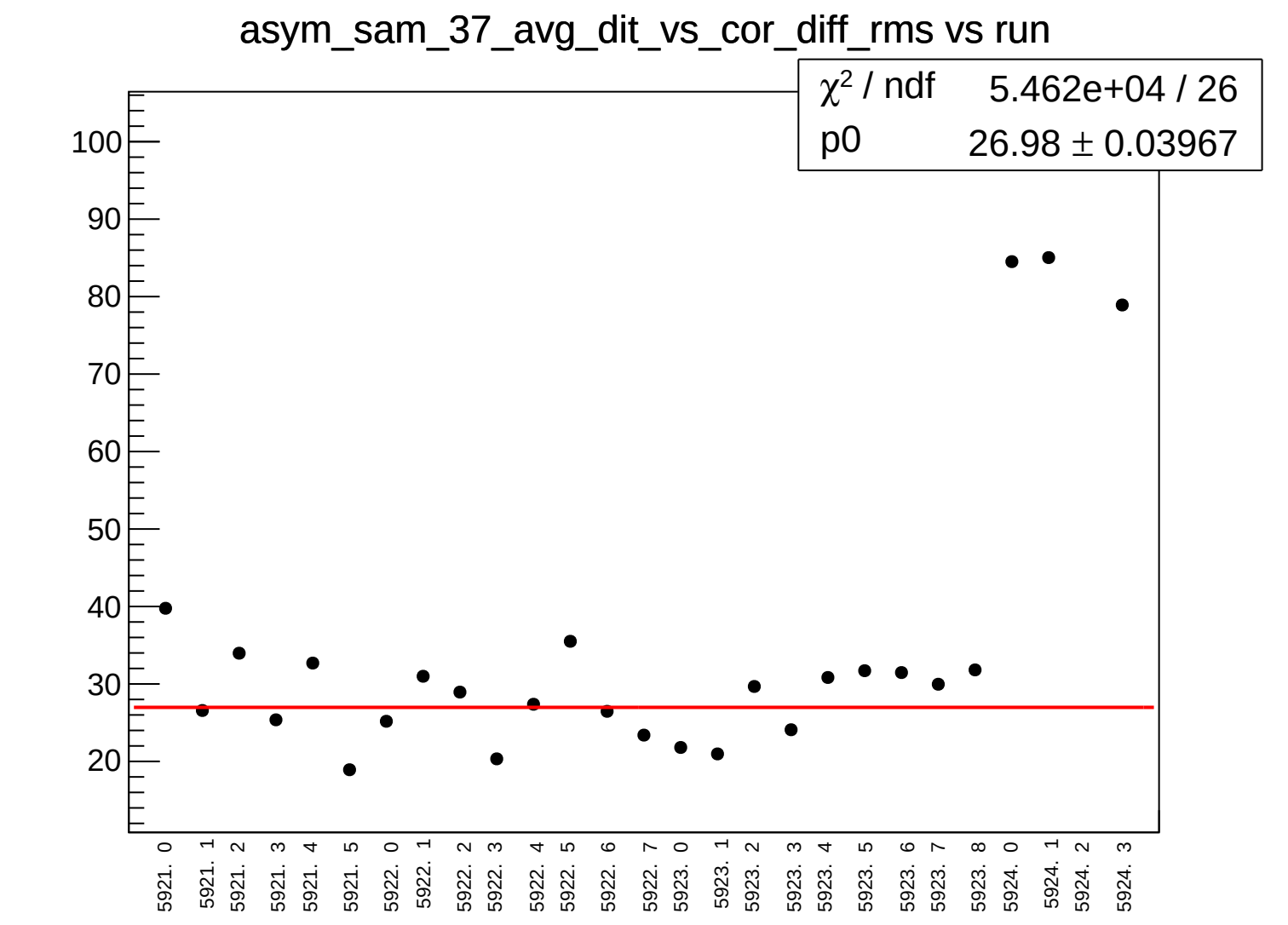

asym_sam_37_avg_rms vs run
χ² / ndf 8264 / 26
p0 914.3 ± 1.282
1200
1100
1000
900
800
700
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

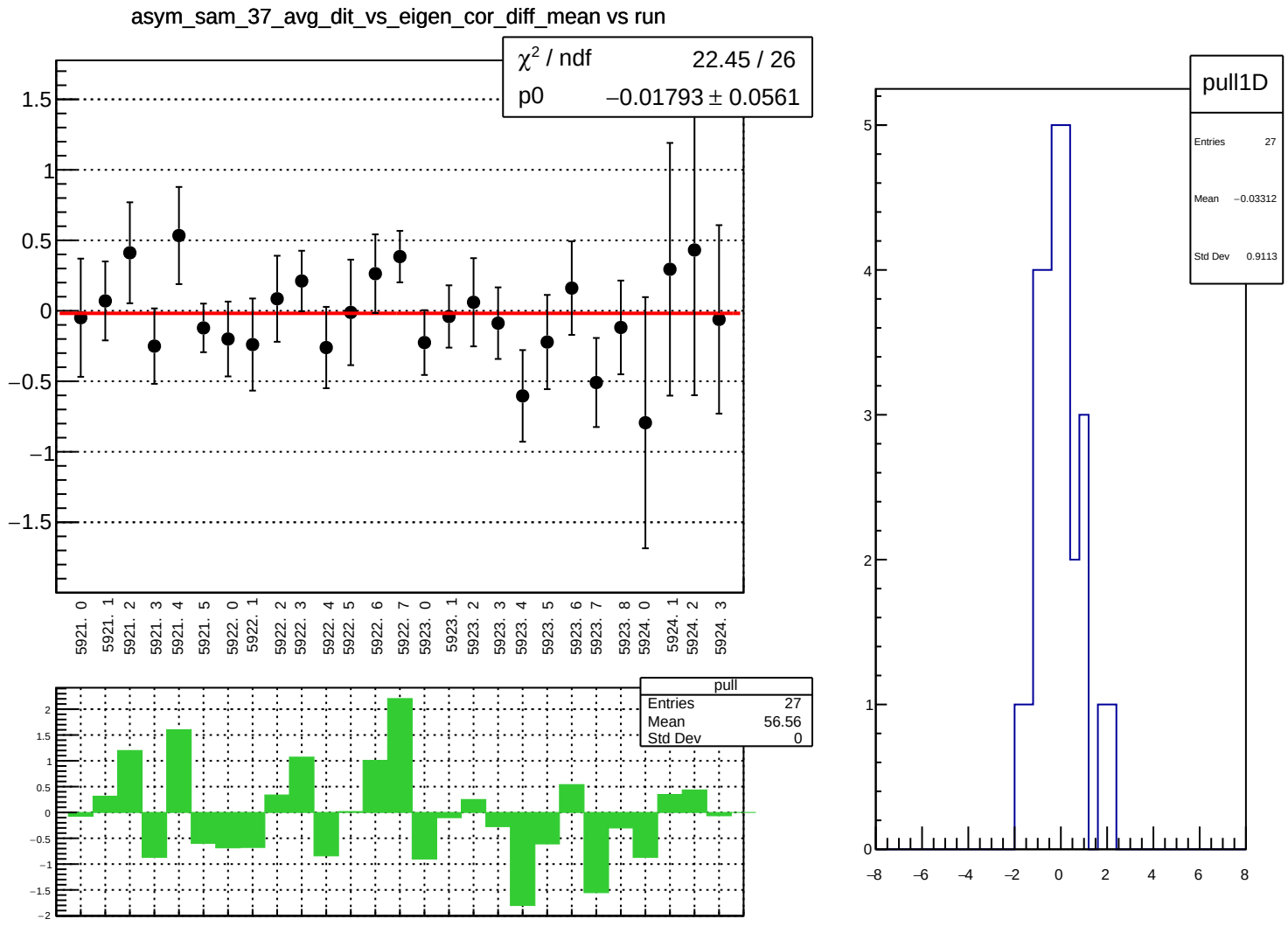

asym_sam_37_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 23.88 / 26
p0 1.056e−13 ± 9.883e−14
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
−0.001
−0.0012
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −14.16
Std Dev 0
pull1D
Entries 27
Mean −0.1128
Std Dev 0.9337

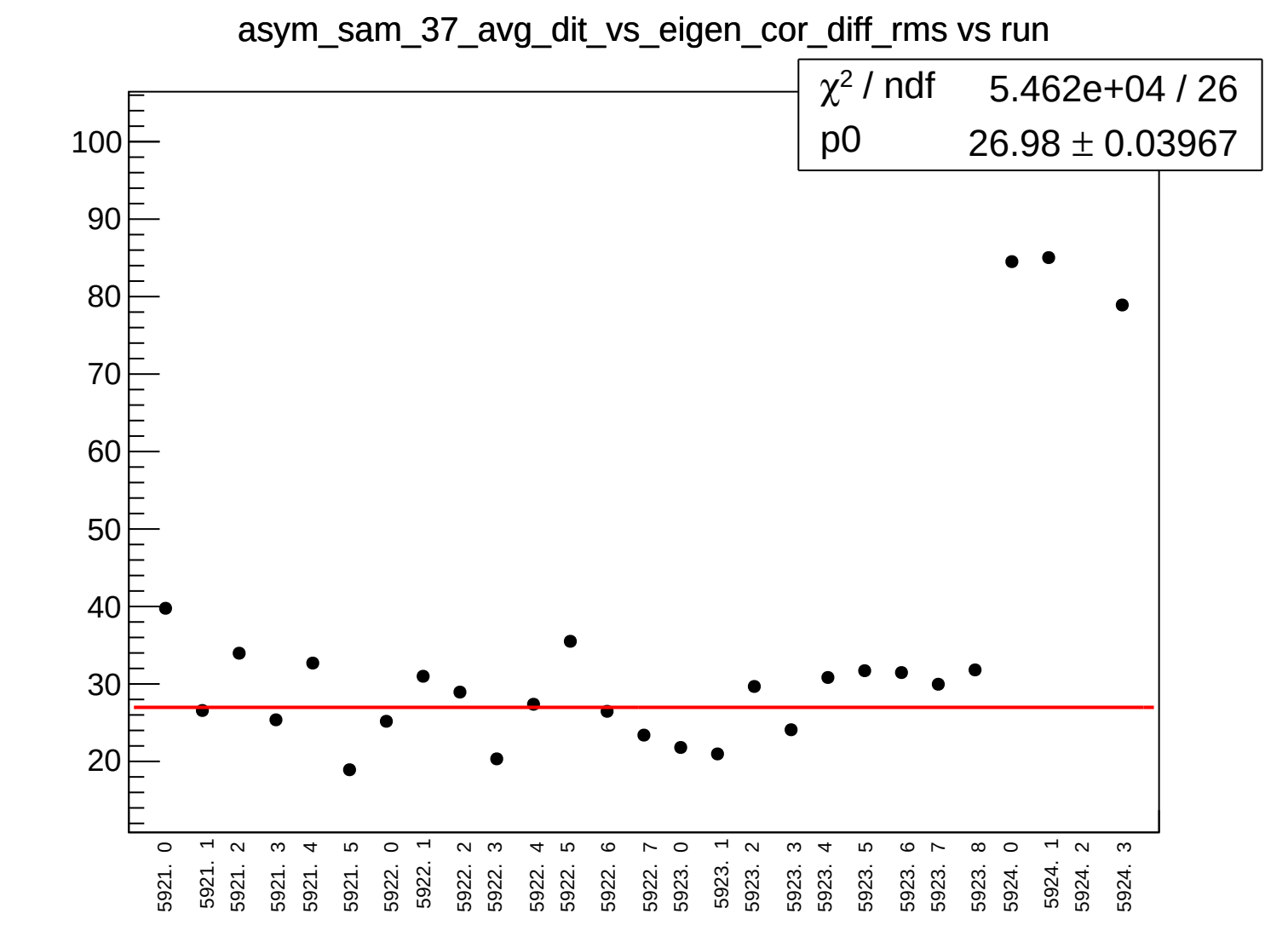

asym_sam_37_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.259e+05 / 26
p0 3.056e−11 ± 6.988e−14
0.06
0.05
0.04
0.03
0.02
0.01
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

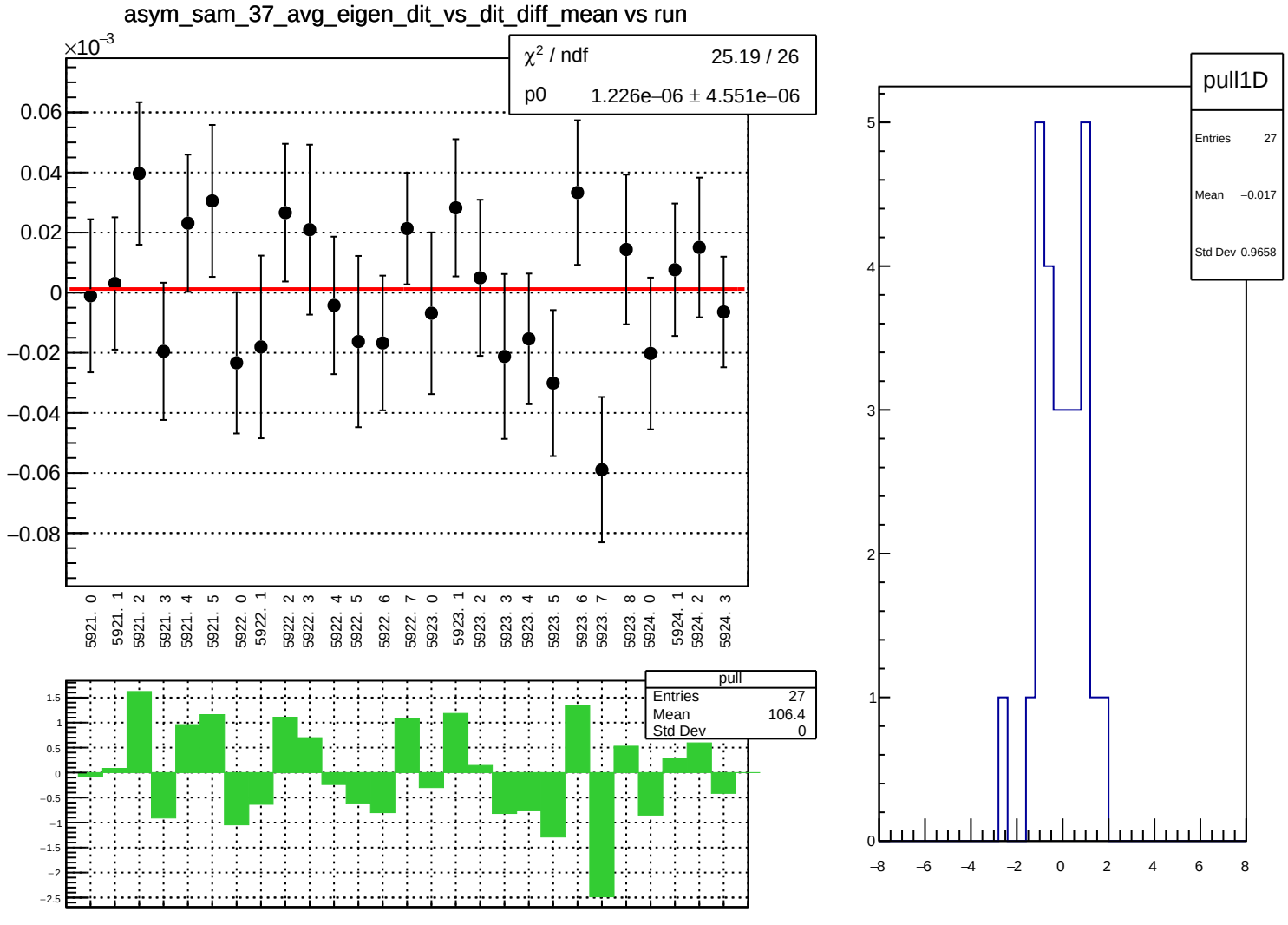

asym_sam_37_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 22.45 / 26
p0 −0.01793 ± 0.0561
1.5
1
0.5
0
−0.5
−1
−1.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 56.56
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

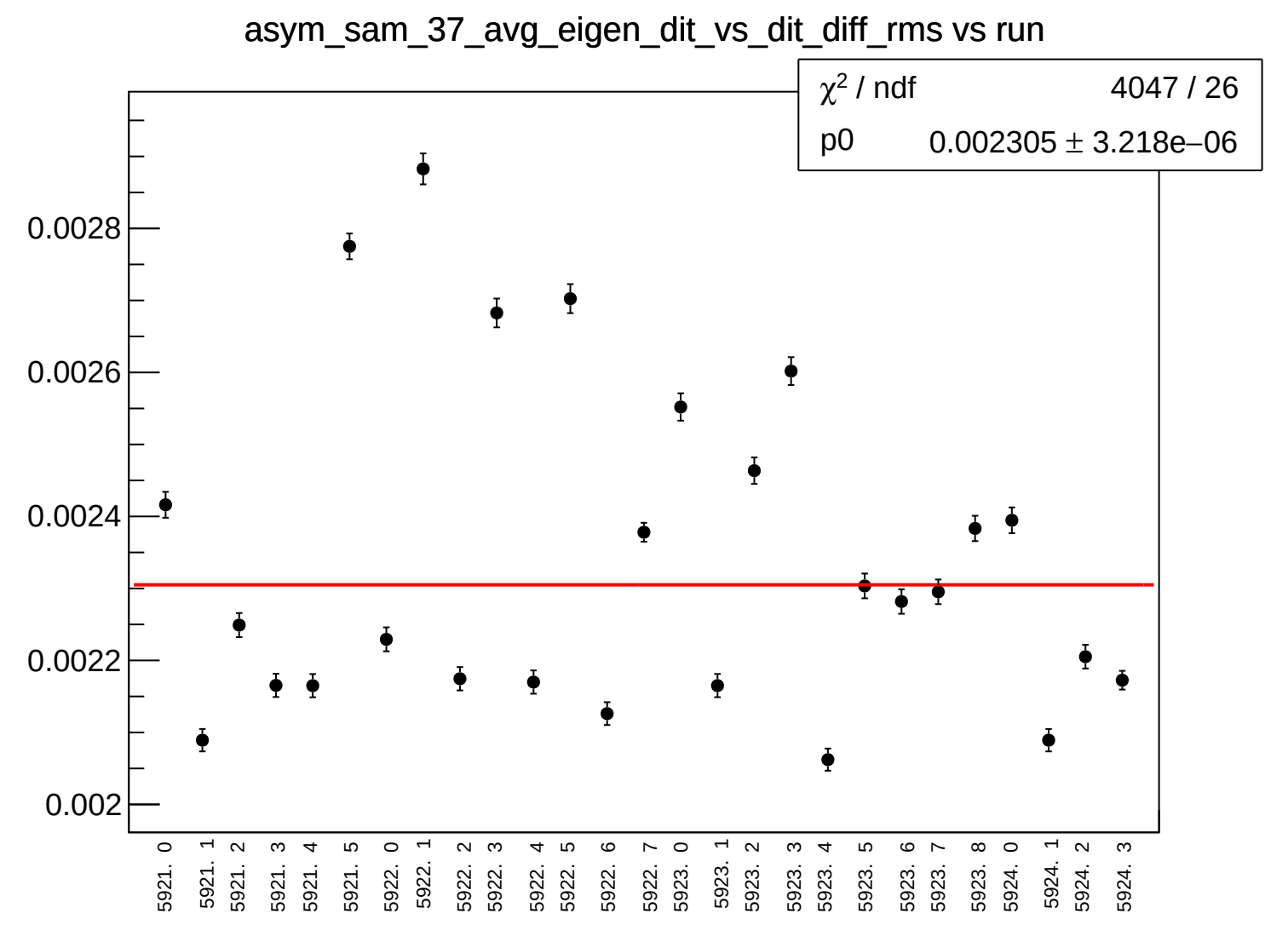

pull1D
Entries 27
Mean −0.03312
Std Dev 0.9113
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

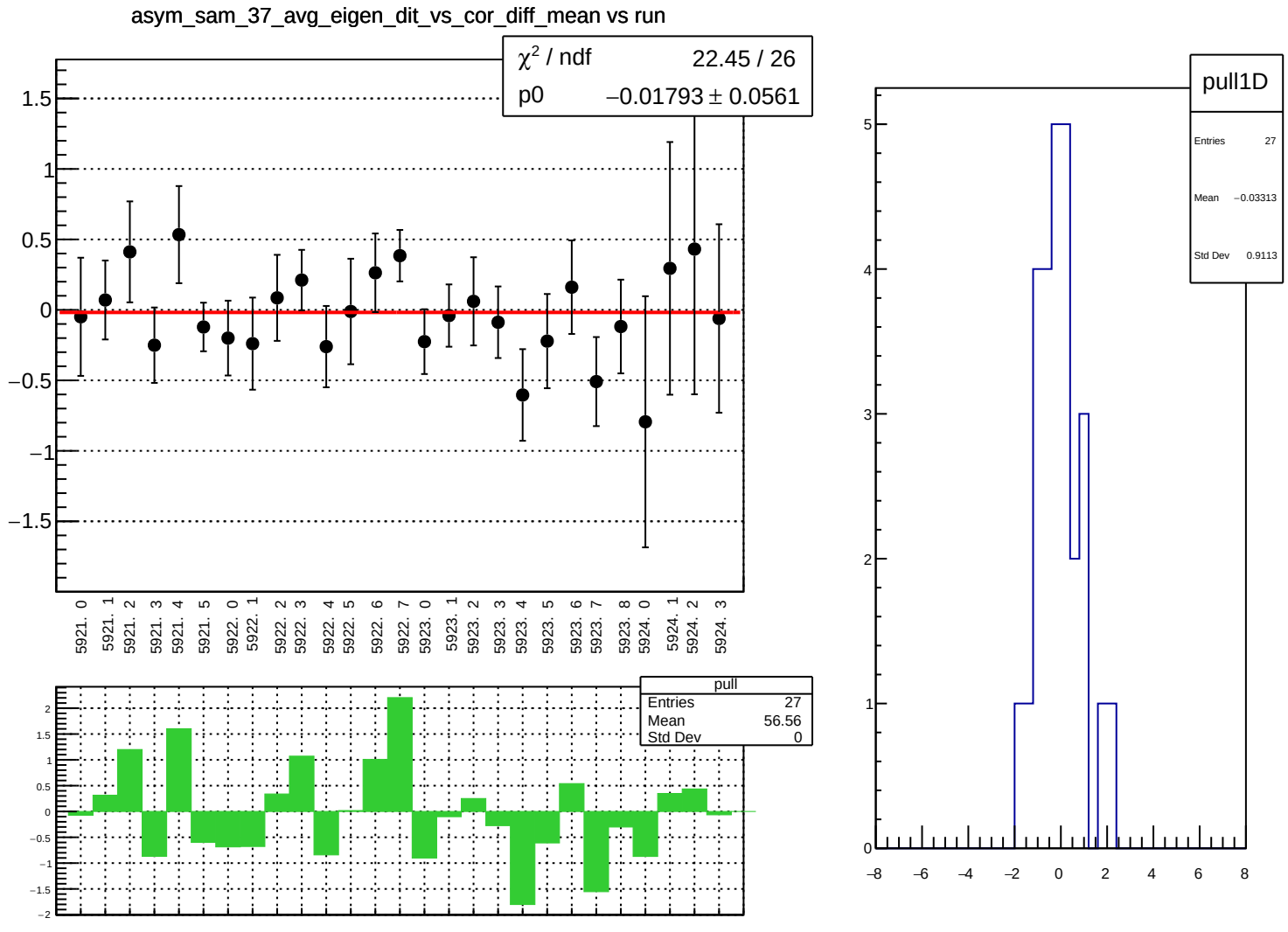

asym_sam_37_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.462e+04 / 26
p0 26.98 ± 0.03967
100
90
80
70
60
50
40
30
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

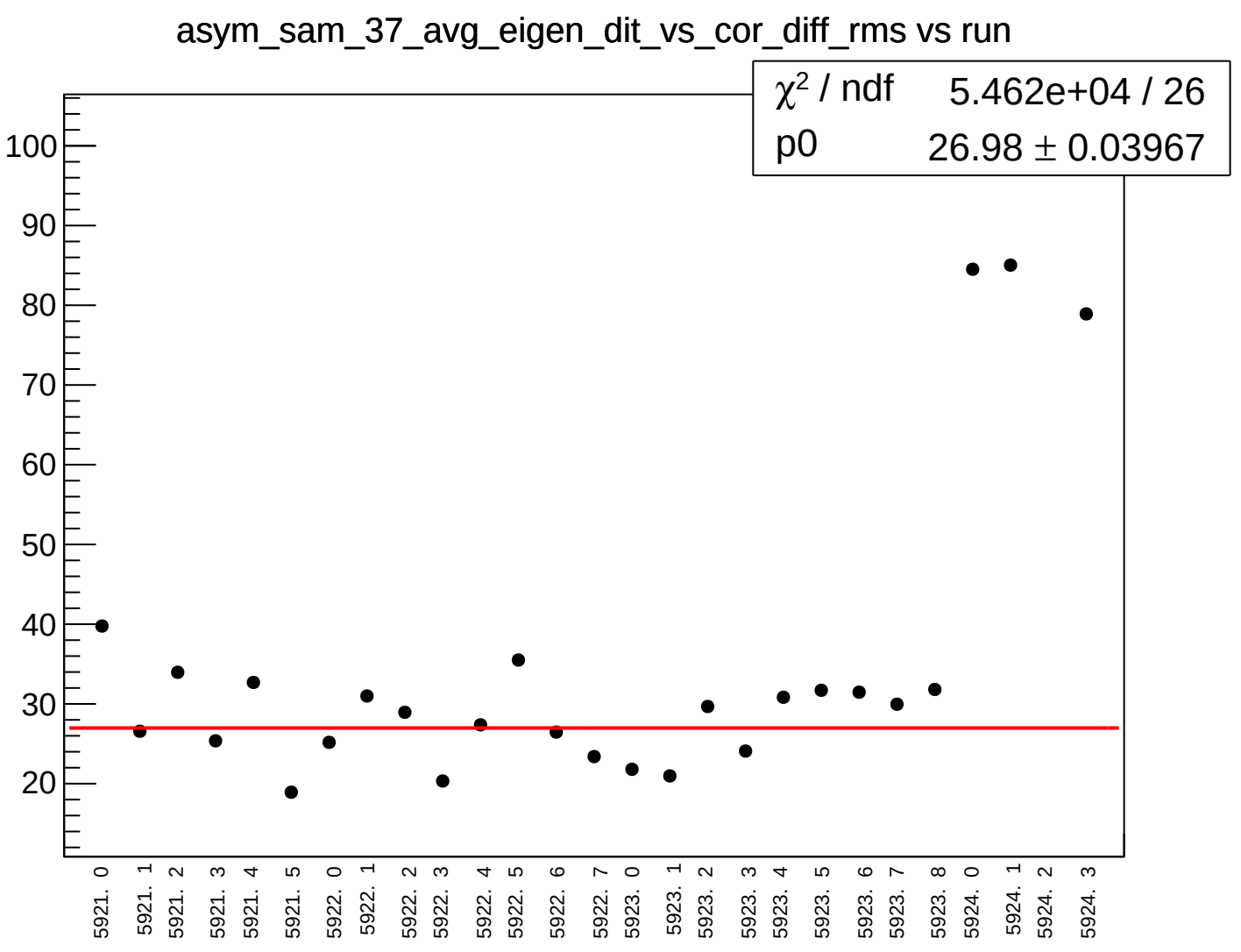

asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 22.45 / 26
p0 −0.01793 ± 0.0561
1.5
1
0.5
0
−0.5
−1
−1.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 56.56
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.03312
Std Dev 0.9113
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

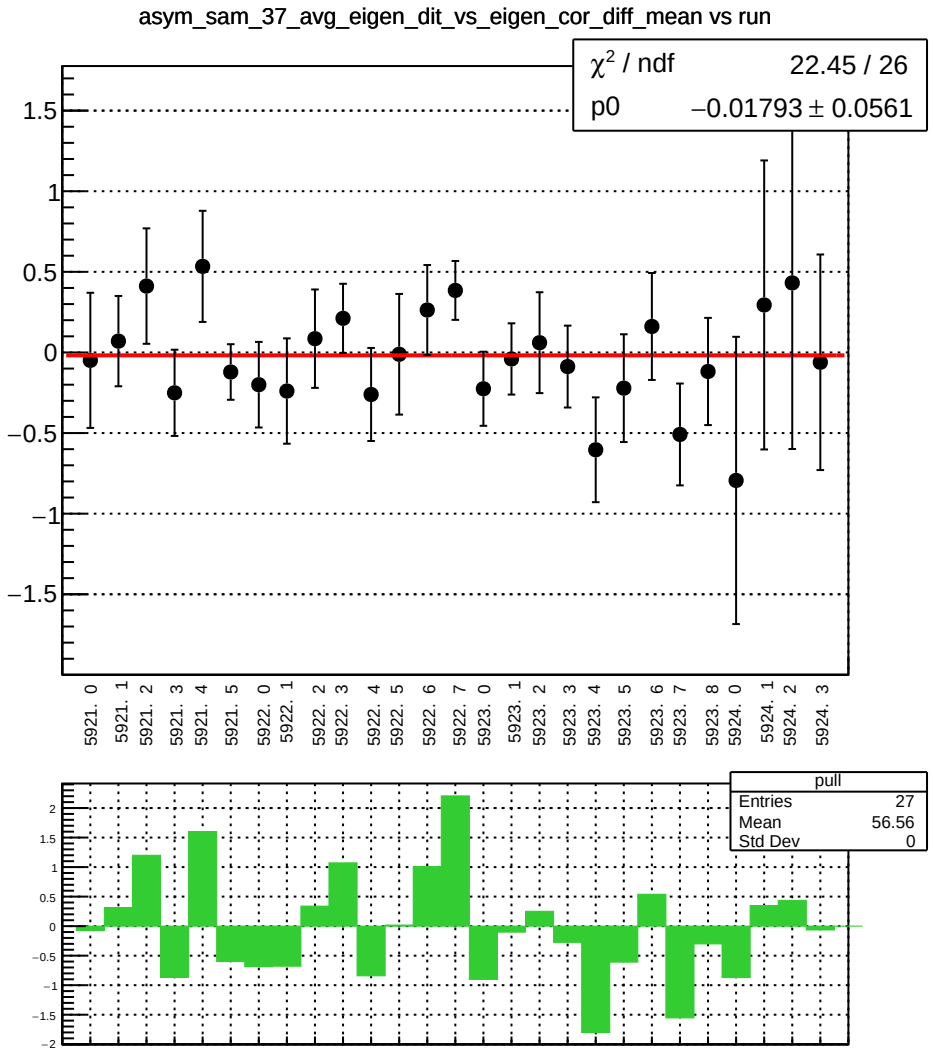

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.462e+04 / 26
p0 26.98 ± 0.03967
100
90
80
70
60
50
40
30
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

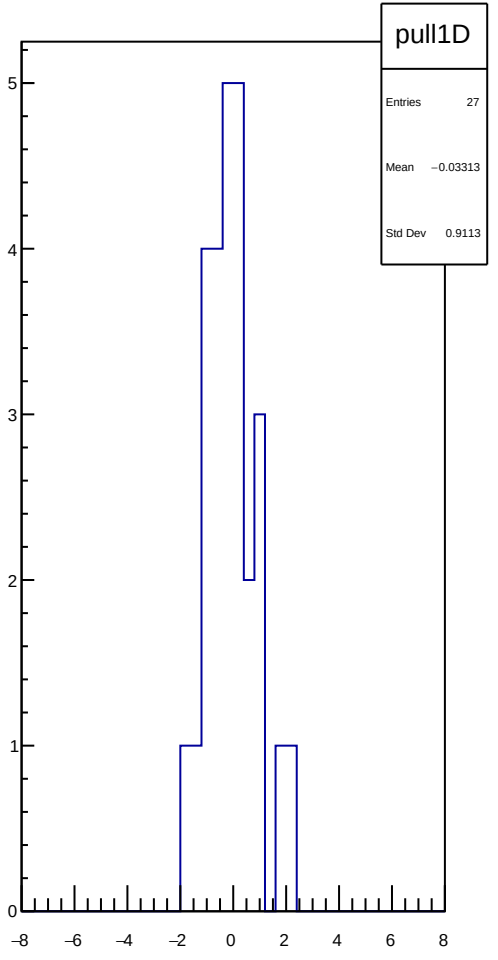

asym_sam_37_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 25.19 / 26
p0 1.226e−06 ± 4.551e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 106.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean −0.017
Std Dev 0.9658
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

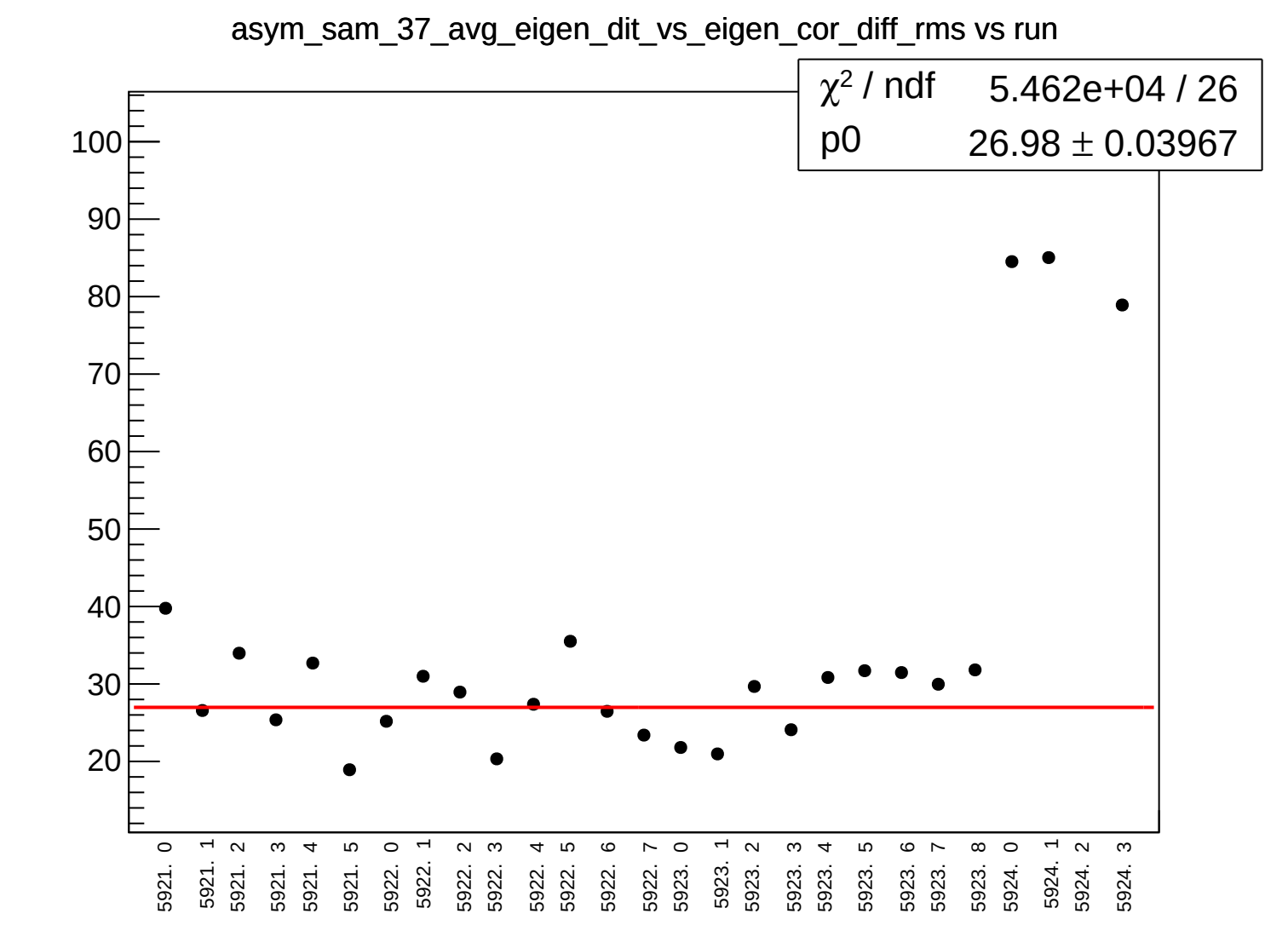

asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4047 / 26
p0 0.002305 ± 3.218e−06
0.0028
0.0026
0.0024
0.0022
0.002
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

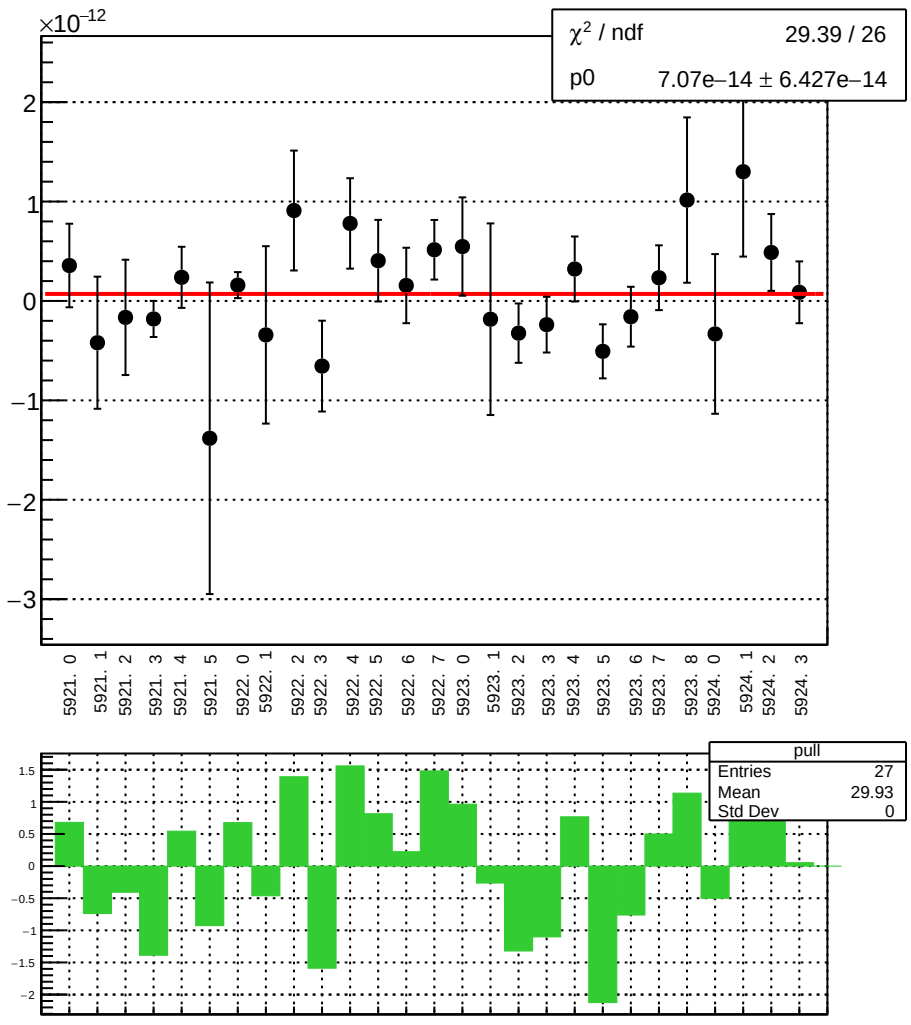

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 22.45 / 26
p0 −0.01793 ± 0.0561
1.5
1
0.5
0
−0.5
−1
−1.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 56.56
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.03313
Std Dev 0.9113
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

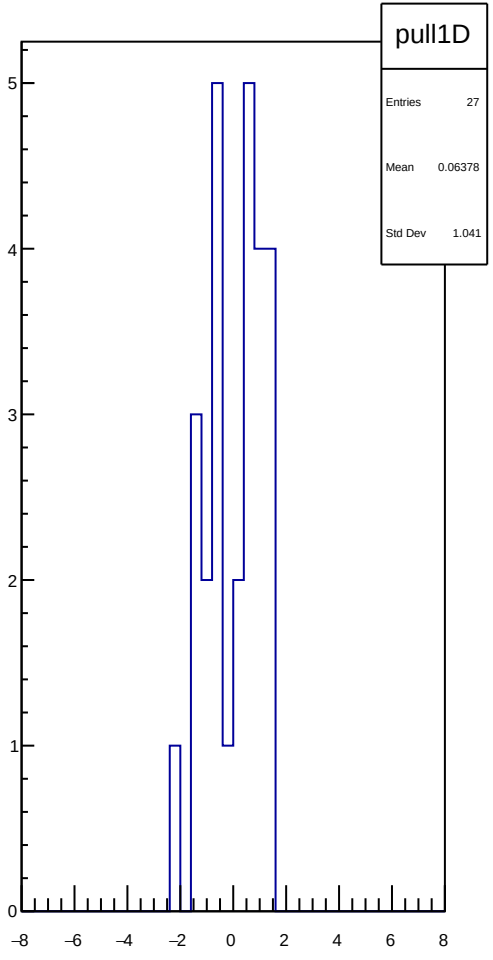

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.462e+04 / 26
p0 26.98 ± 0.03967
100
90
80
70
60
50
40
30
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

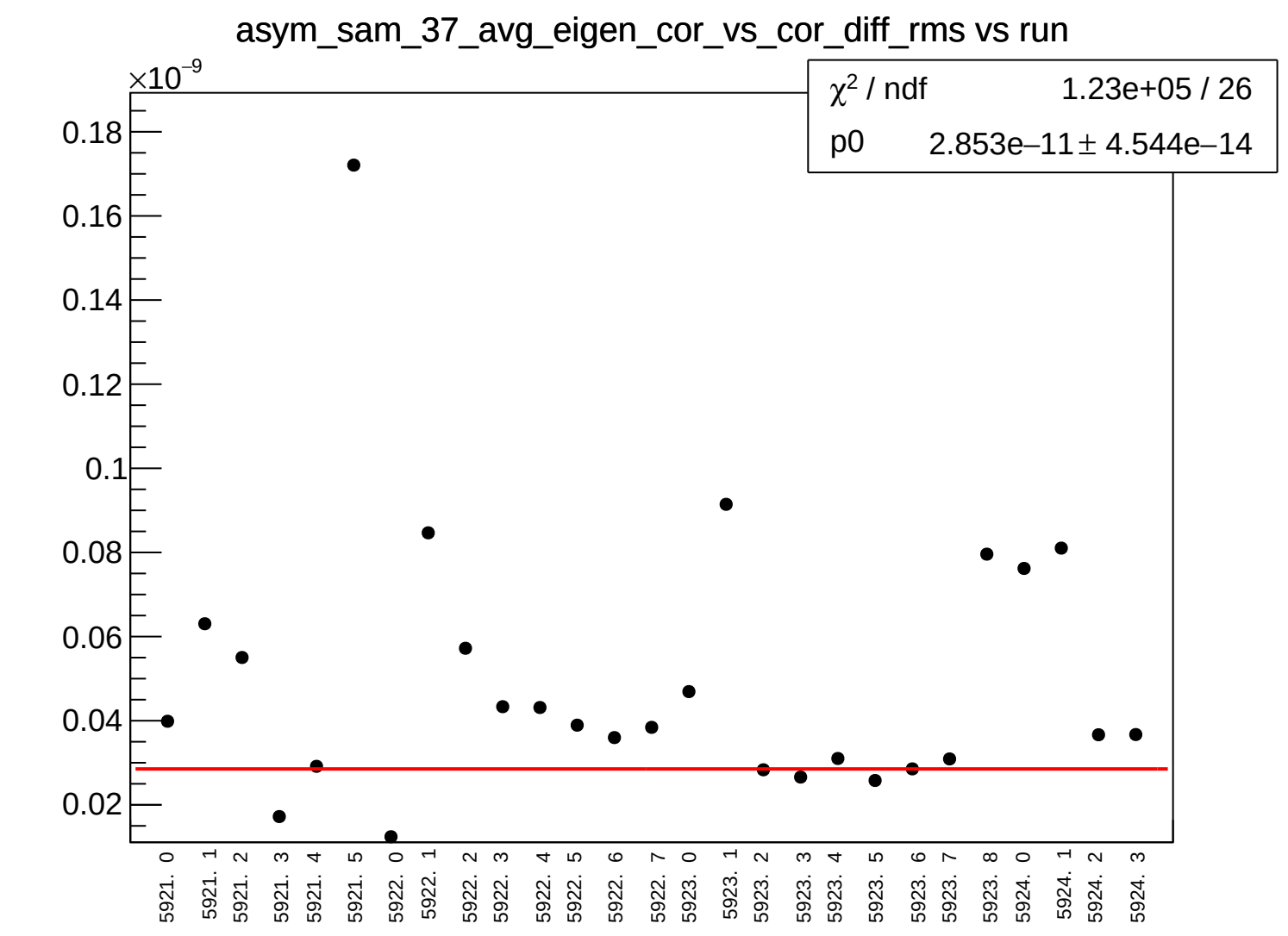

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 22.45 / 26
p0 −0.01793 ± 0.0561
1.5
1
0.5
0
−0.5
−1
−1.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 56.56
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

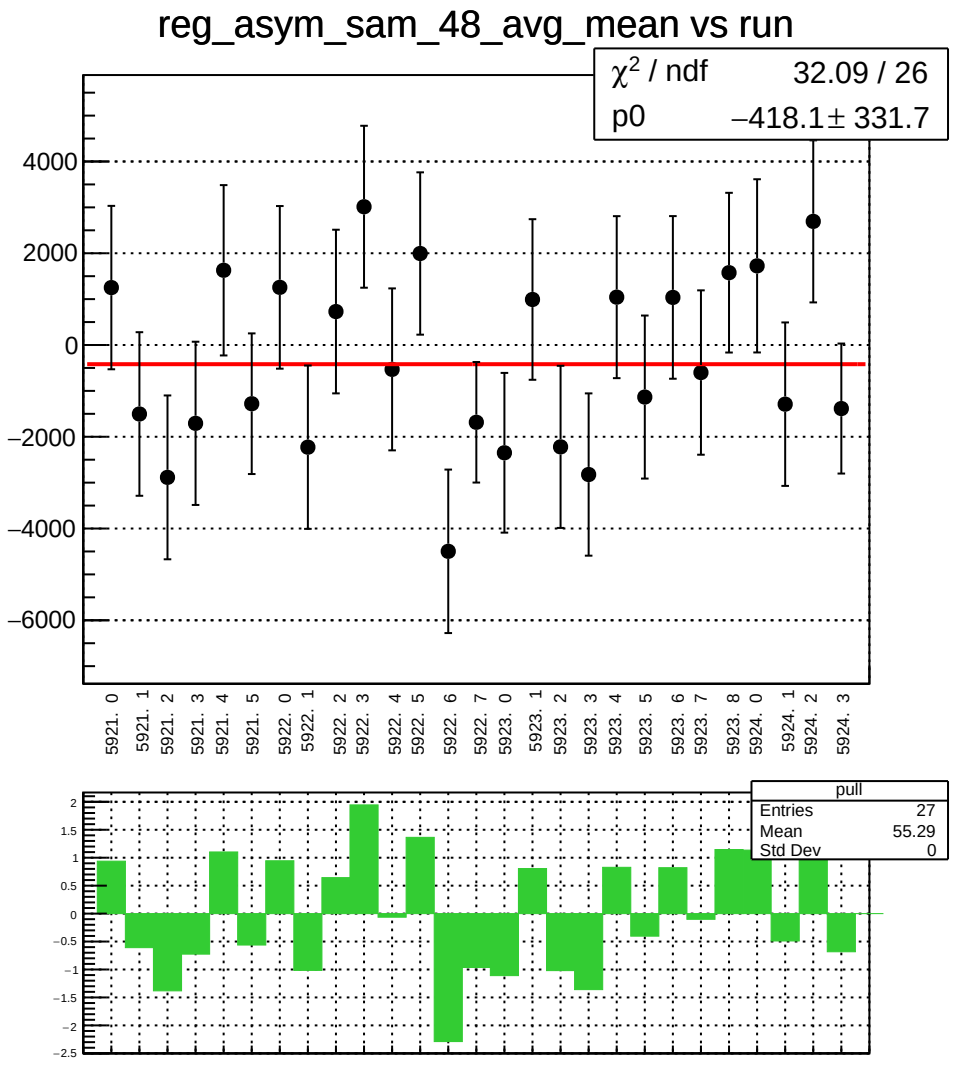

pull1D
Entries 27
Mean −0.03313
Std Dev 0.9113
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

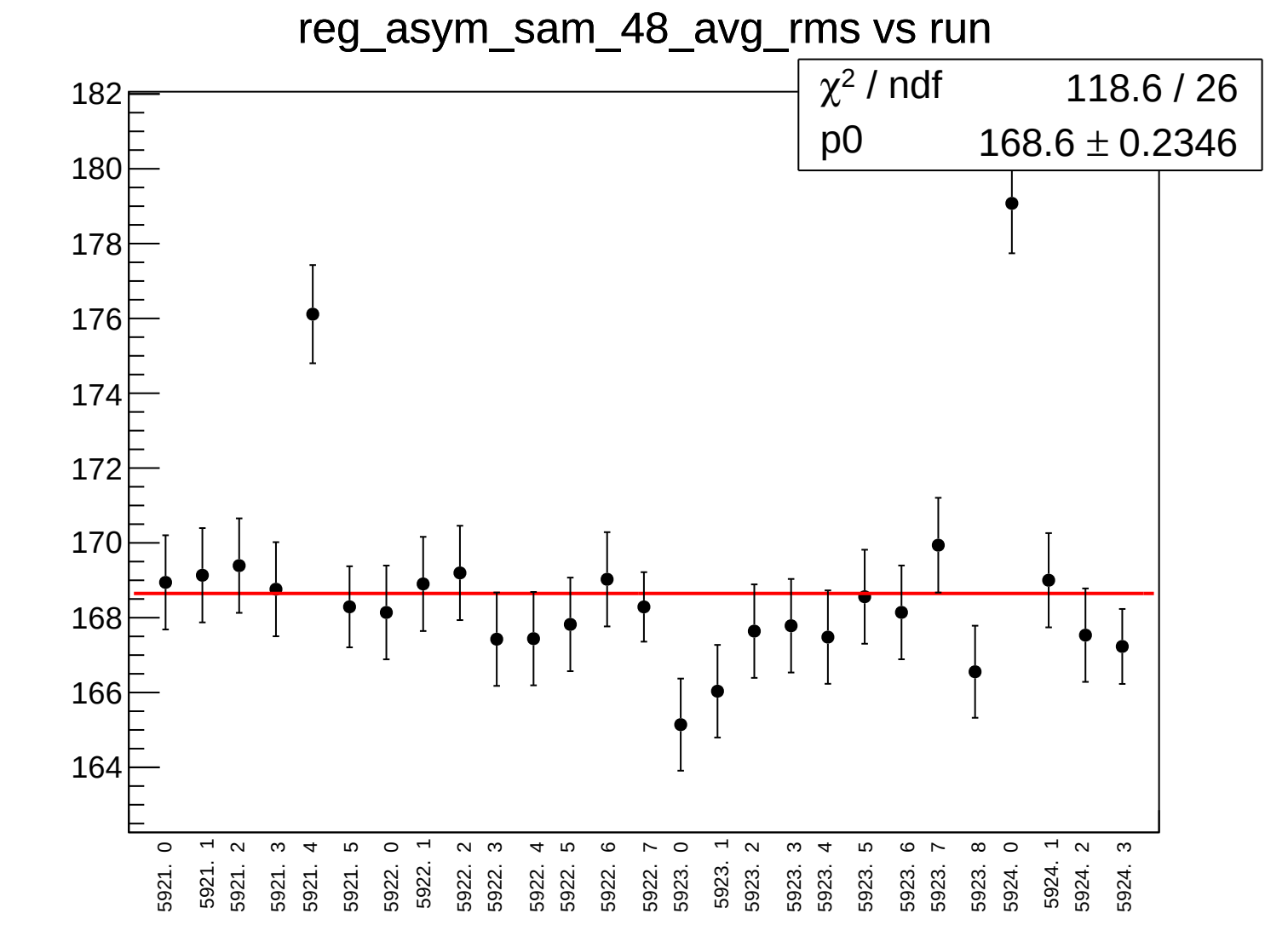

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.462e+04 / 26
p0 26.98 ± 0.03967
100
90
80
70
60
50
40
30
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

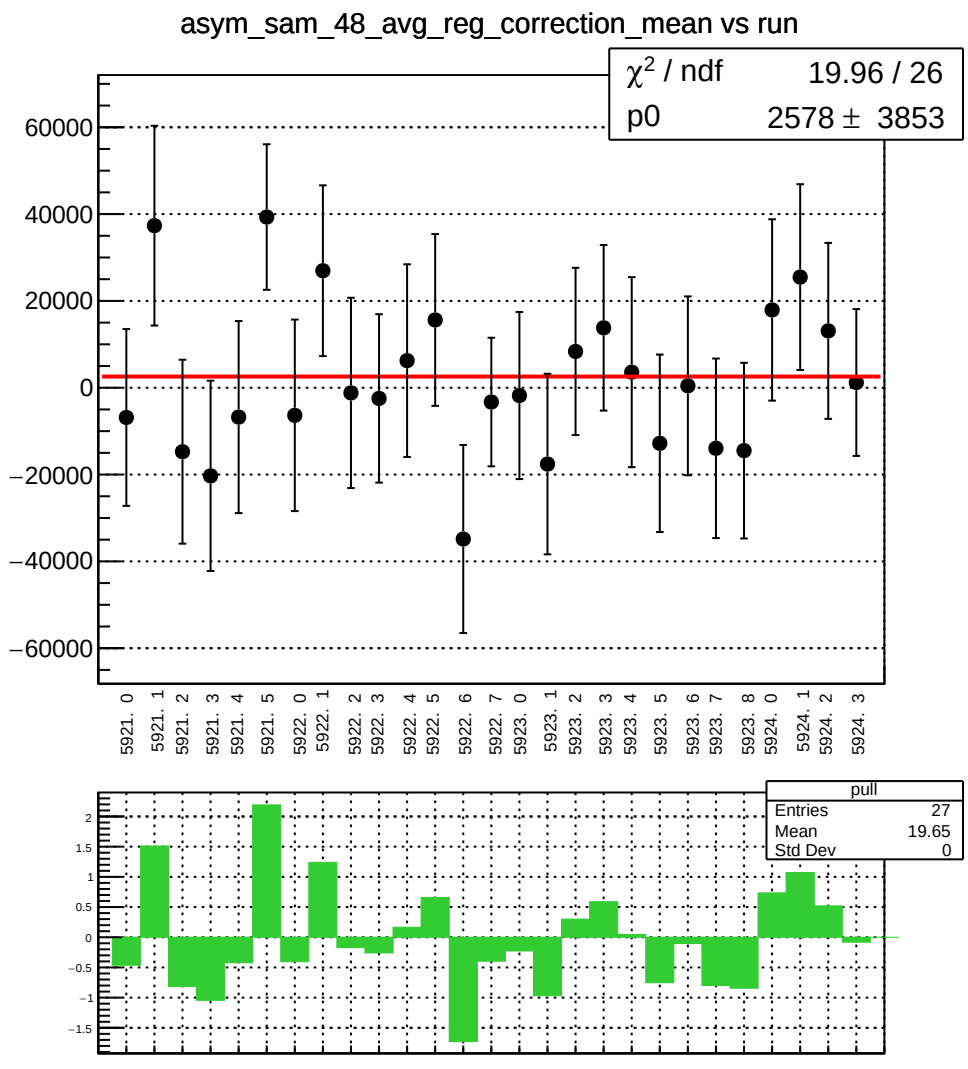

asym_sam_37_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 29.39 / 26
p0 7.07e−14 ± 6.427e−14
2
1
0
−1
−2
−3
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 29.93
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

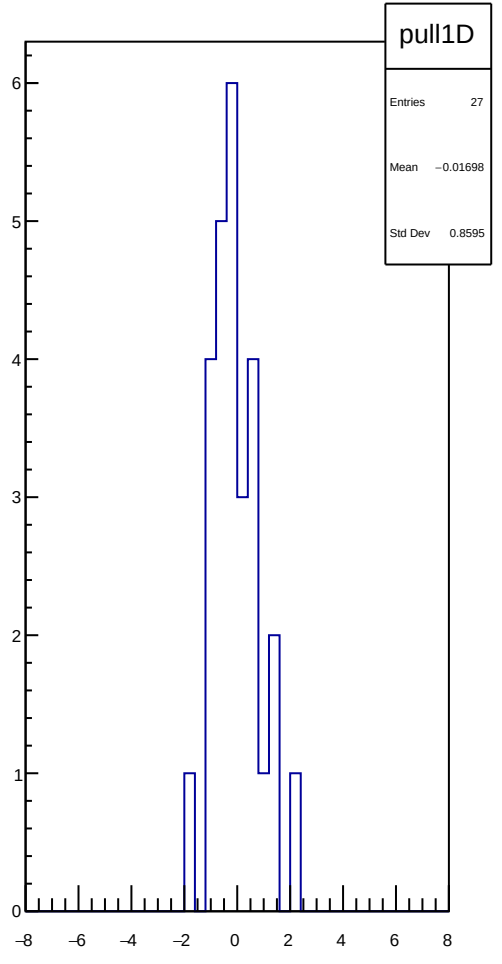

pull1D
Entries 27
Mean 0.06378
Std Dev 1.041
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

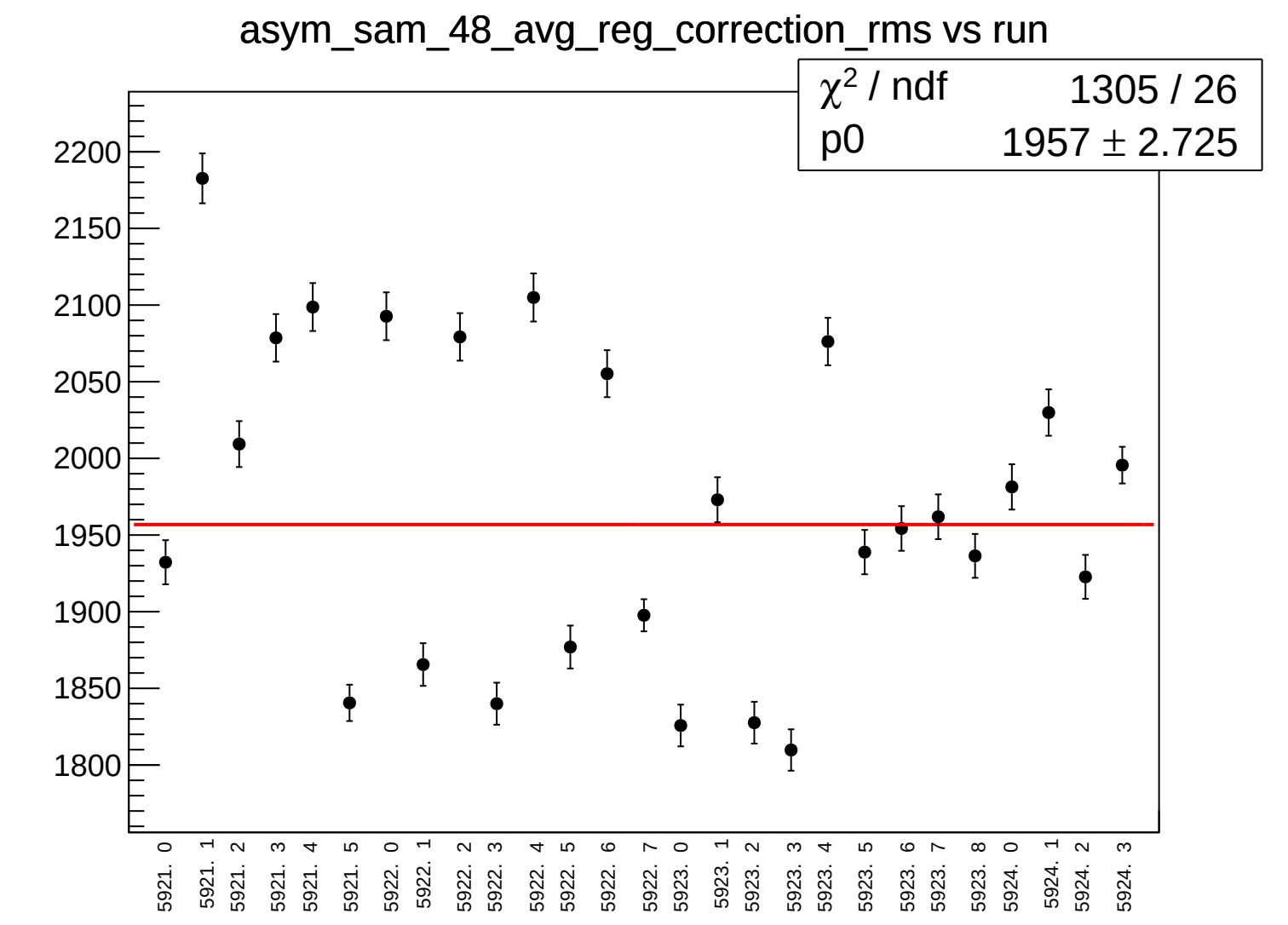

asym_sam_37_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.23e+05 / 26
p0 2.853e−11 ± 4.544e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

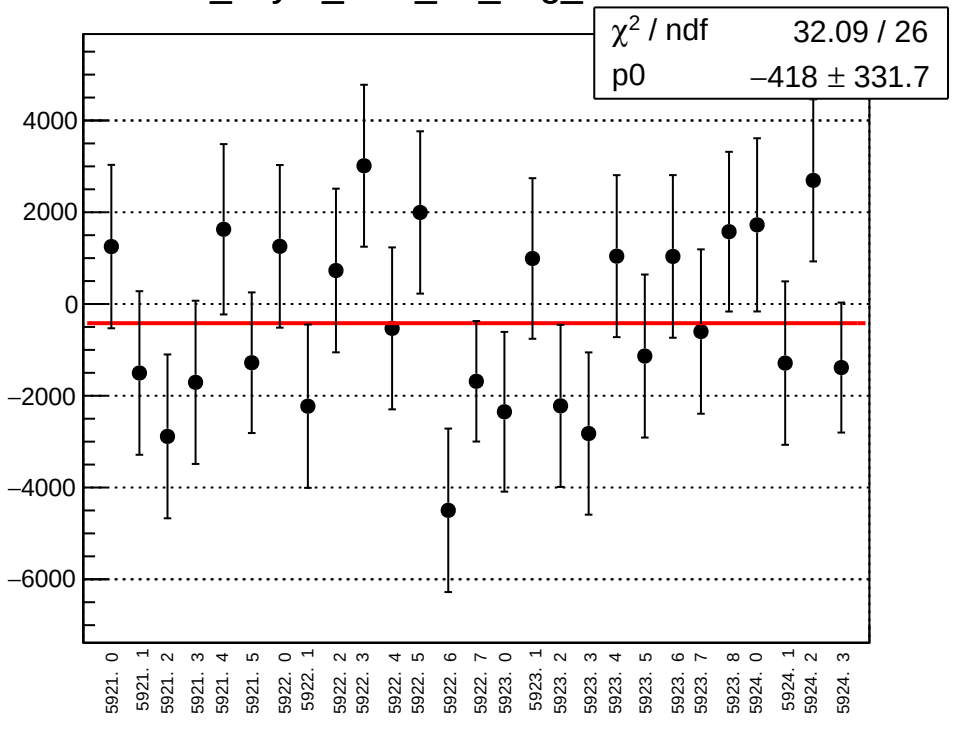

reg_asym_sam_48_avg_mean vs run
χ² / ndf 32.09 / 26
p0 −418.1± 331.7
4000
2000
0
−2000
−4000
−6000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 55.29
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean 0.02447
Std Dev 1.09
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

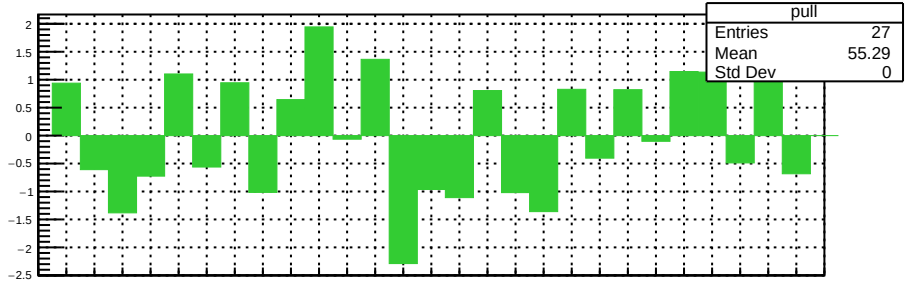

reg_asym_sam_48_avg_rms vs run
χ^2 / ndf 118.6 / 26
p0 168.6 ± 0.2346
182
180
178
176
174
172
170
168
166
164
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

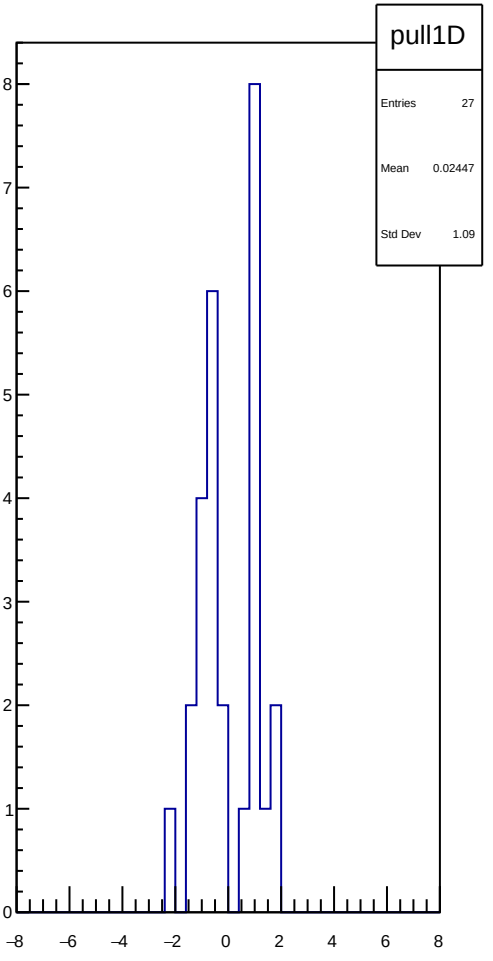

asym_sam_48_avg_reg_correction_mean vs run
χ² / ndf 19.96 / 26
p0 2578 ± 3853
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 19.65
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

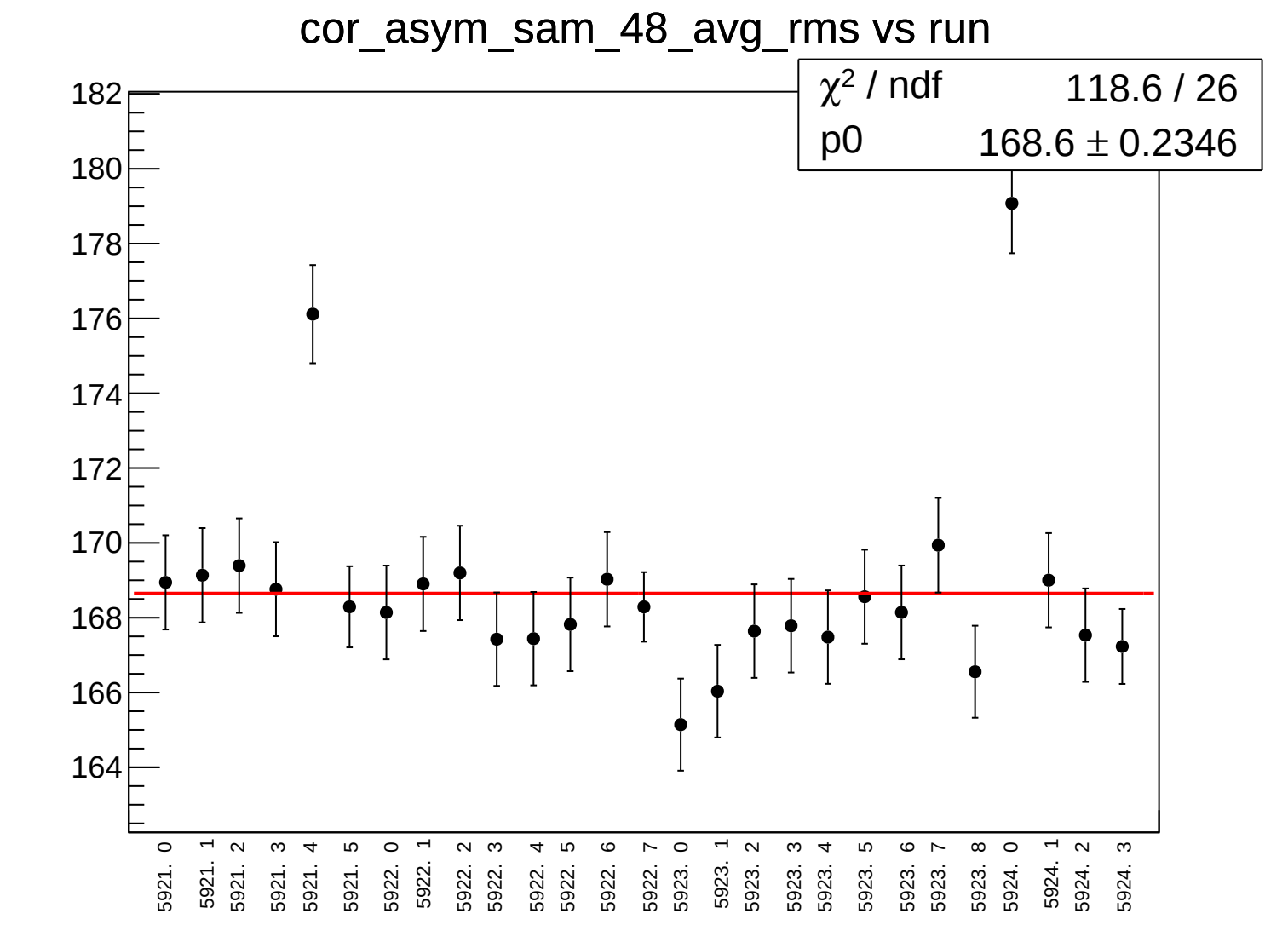

pull1D
Entries 27
Mean −0.01698
Std Dev 0.8595
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

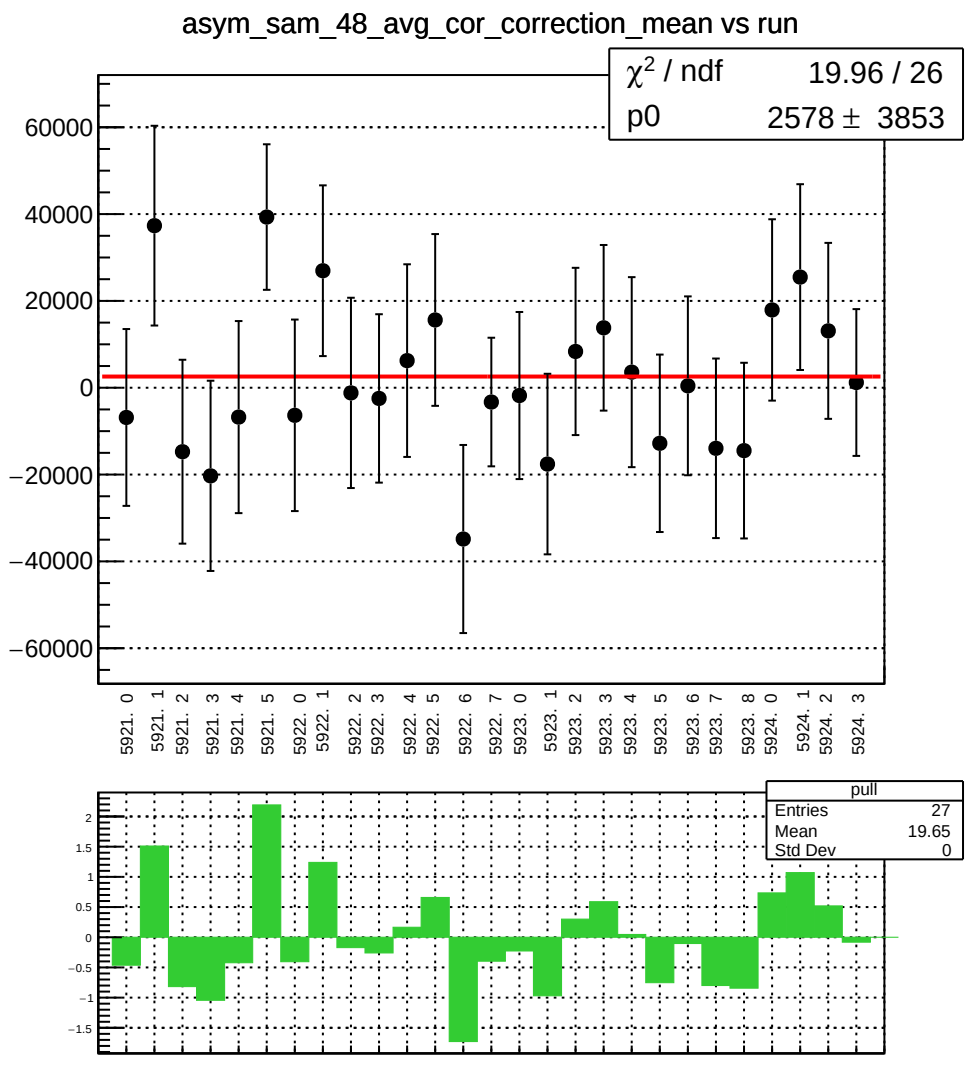

asym_sam_48_avg_reg_correction_rms vs run
χ² / ndf 1305 / 26
p0 1957 ± 2.725
2200
2150
2100
2050
2000
1950
1900
1850
1800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

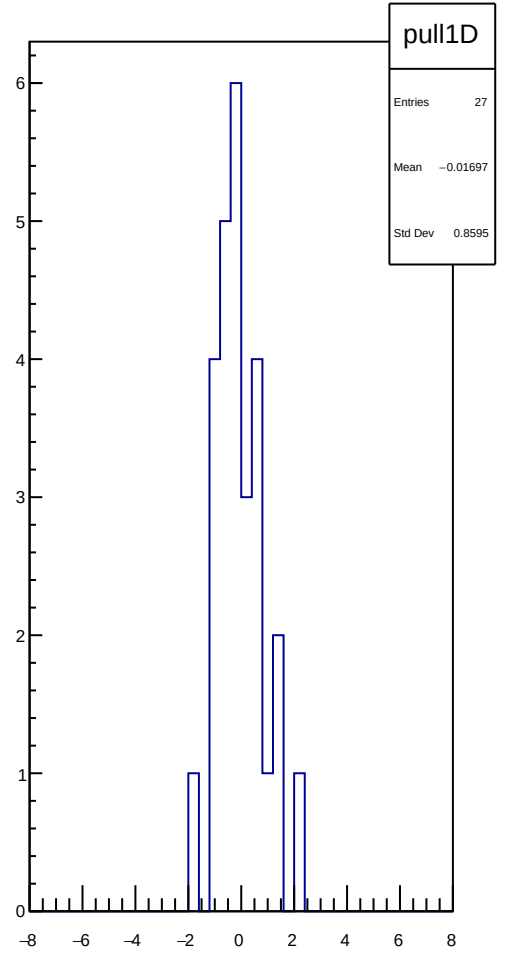

cor_asym_sam_48_avg_mean vs run
χ² / ndf 32.09 / 26
p0 −418 ± 331.7
4000
2000
0
−2000
−4000
−6000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

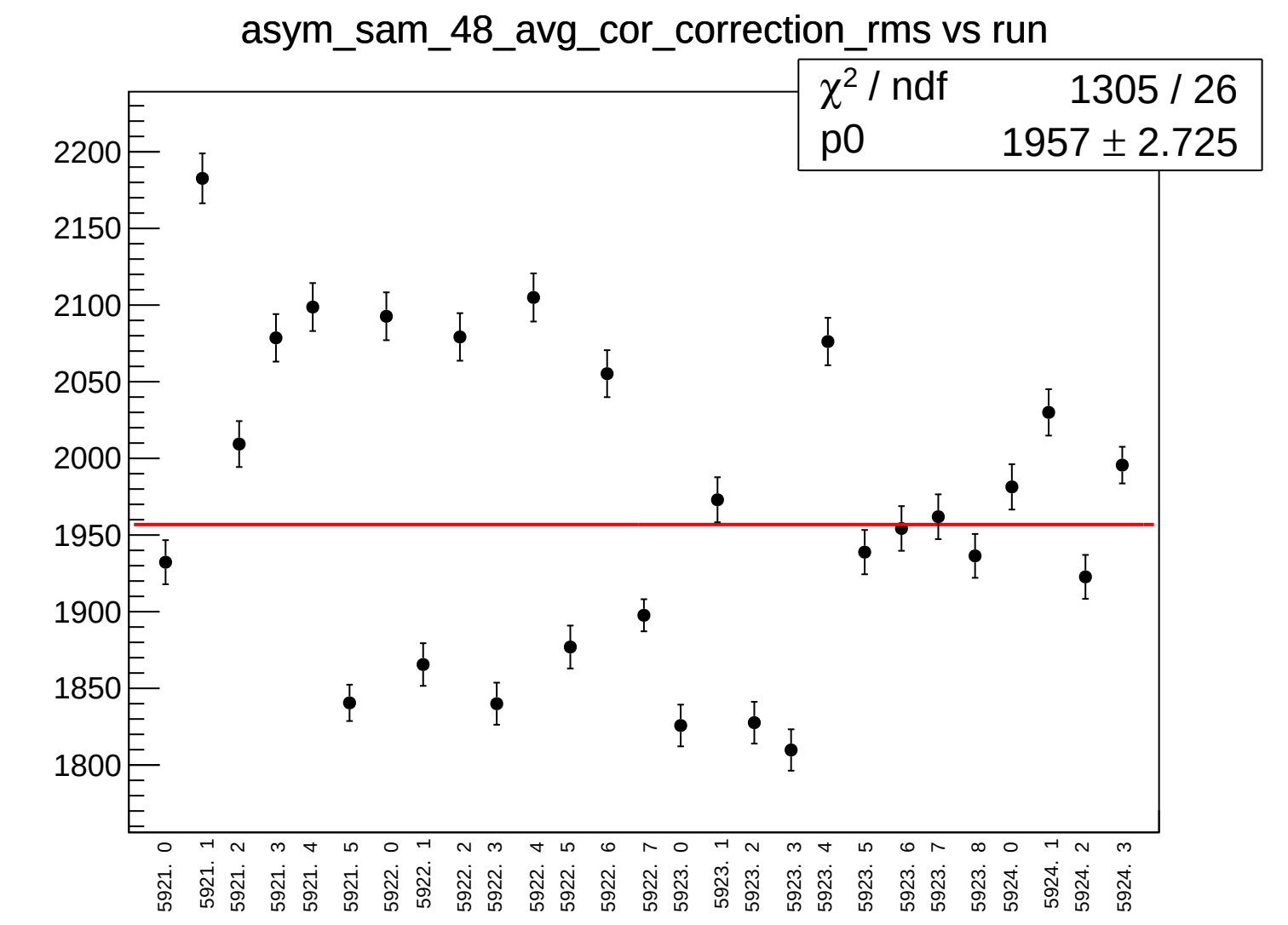

pull
Entries 27
Mean 55.29
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

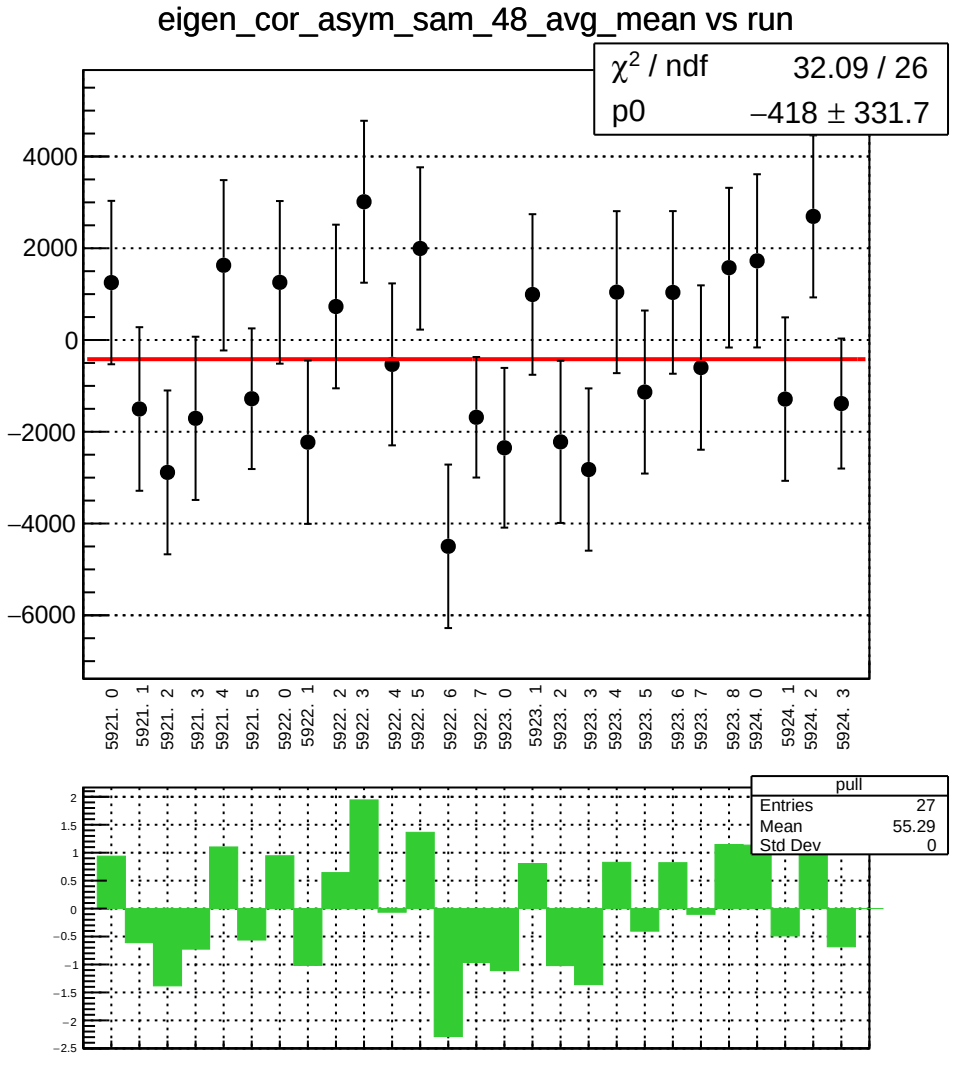

pull1D
Entries 27
Mean 0.02447
Std Dev 1.09
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

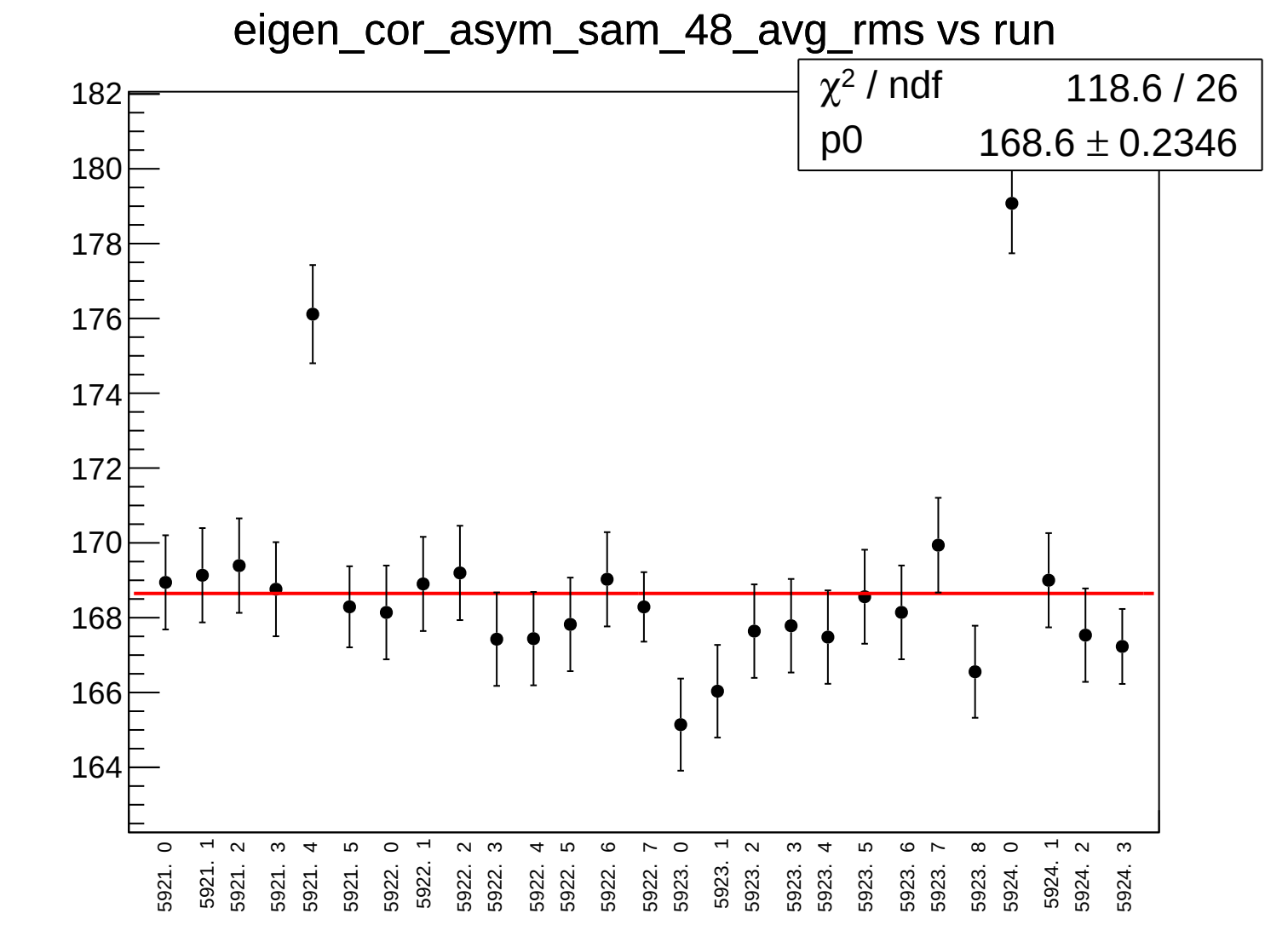

cor_asym_sam_48_avg_rms vs run
χ² / ndf 118.6 / 26
p0 168.6 ± 0.2346
182
180
178
176
174
172
170
168
166
164
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

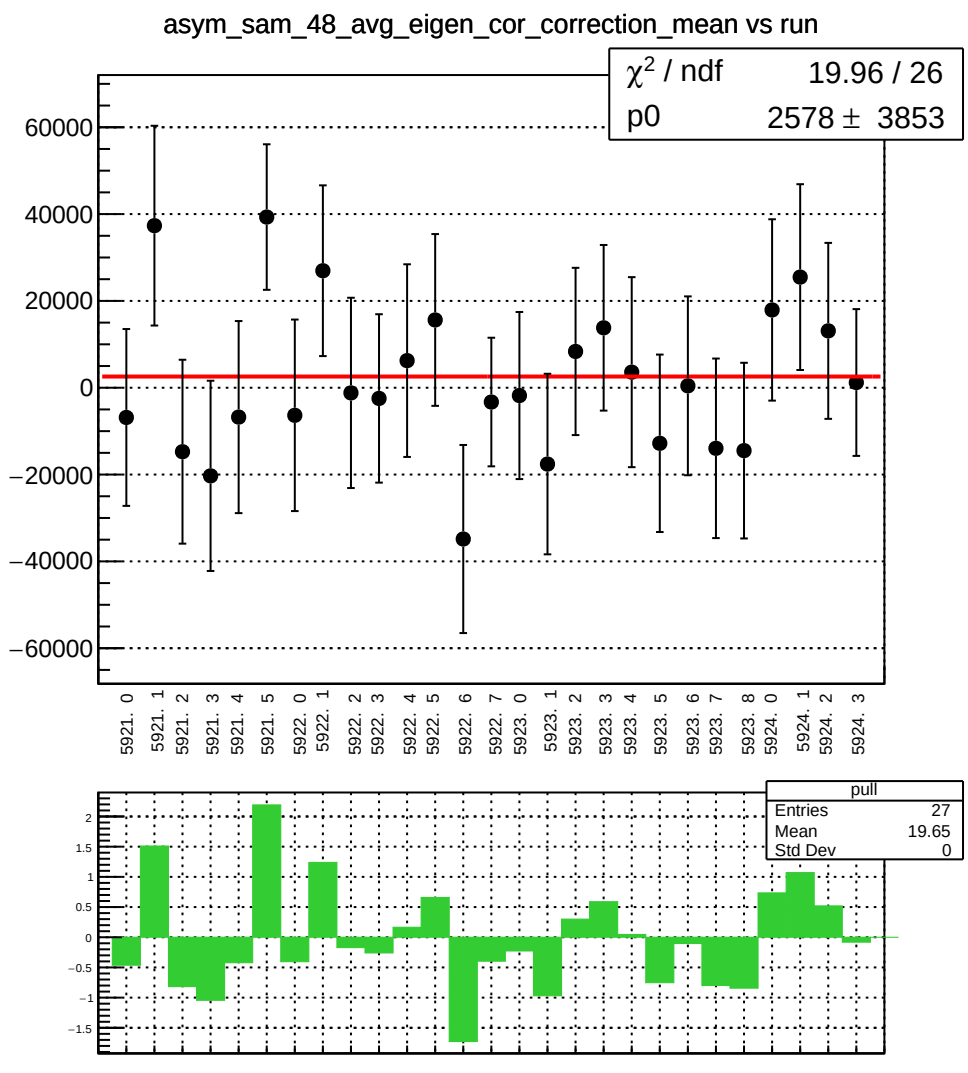

asym_sam_48_avg_cor_correction_mean vs run
χ² / ndf 19.96 / 26
p0 2578 ± 3853
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 19.65
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

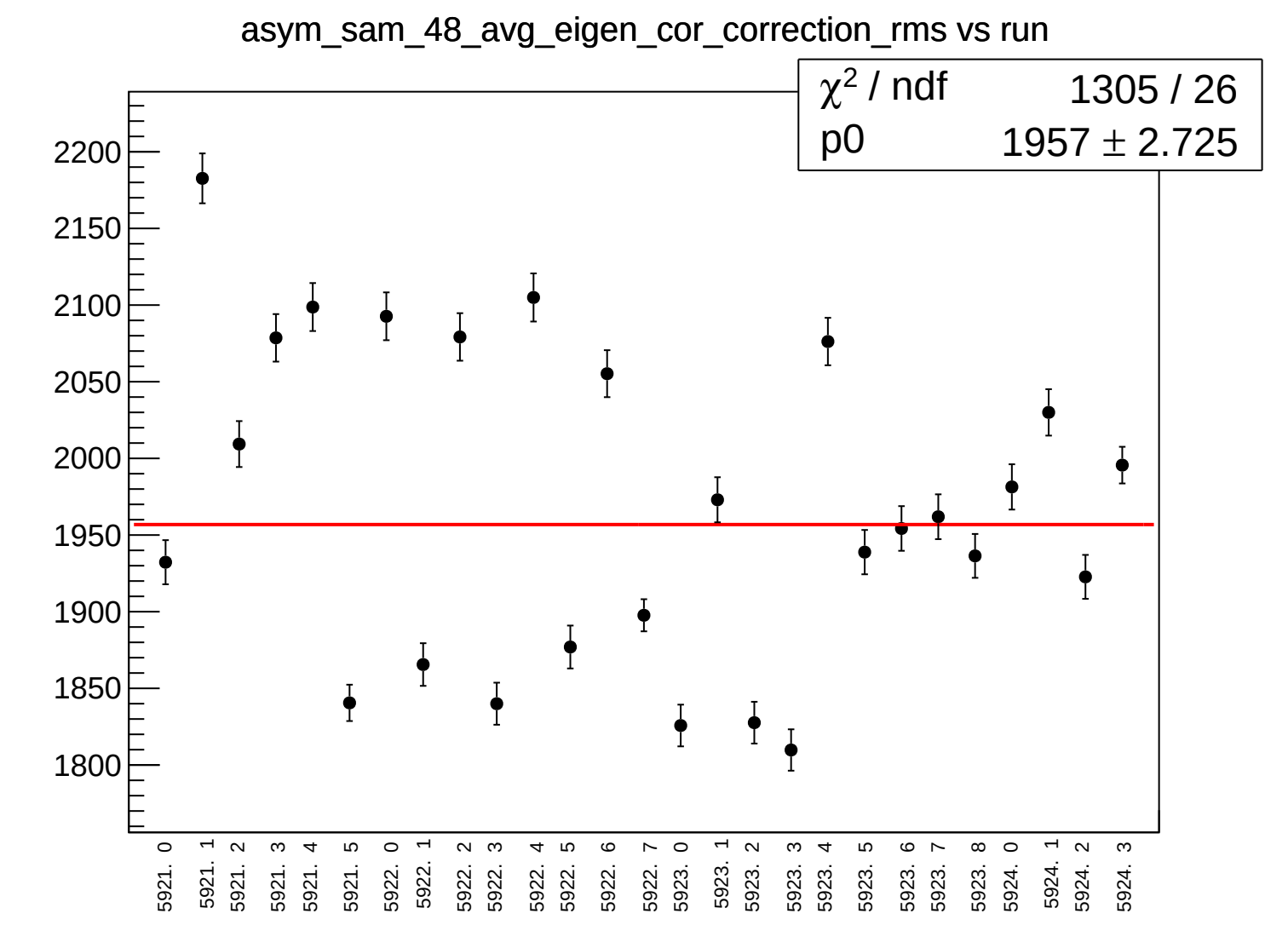

pull1D
Entries 27
Mean −0.01697
Std Dev 0.8595
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

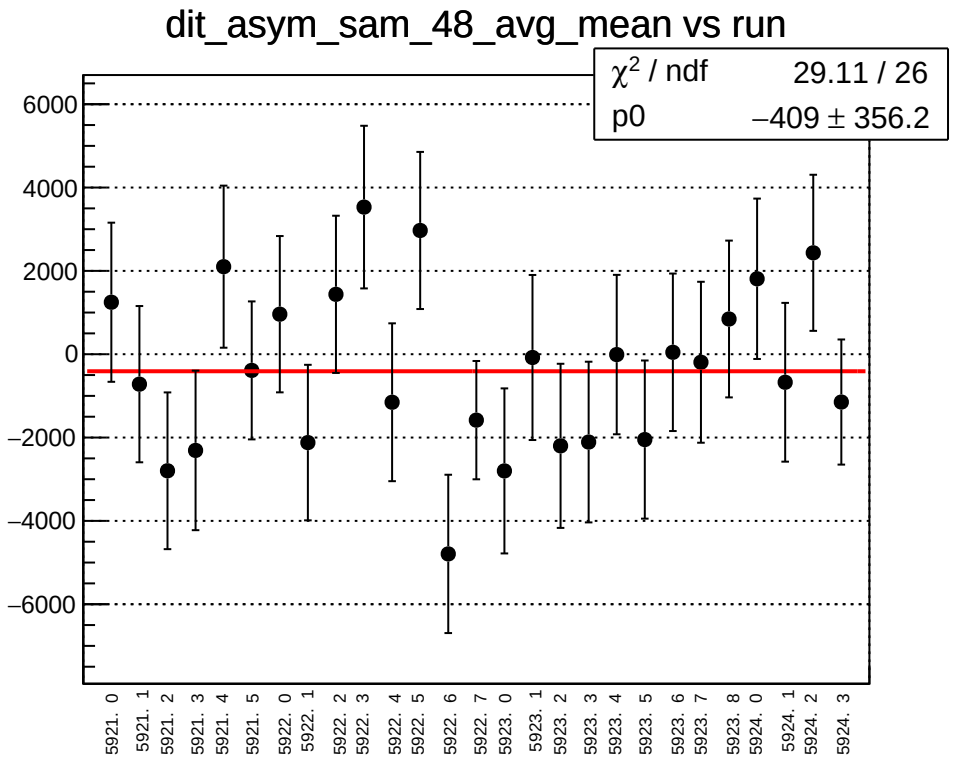

asym_sam_48_avg_cor_correction_rms vs run
χ² / ndf 1305 / 26
p0 1957 ± 2.725
2200
2150
2100
2050
2000
1950
1900
1850
1800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

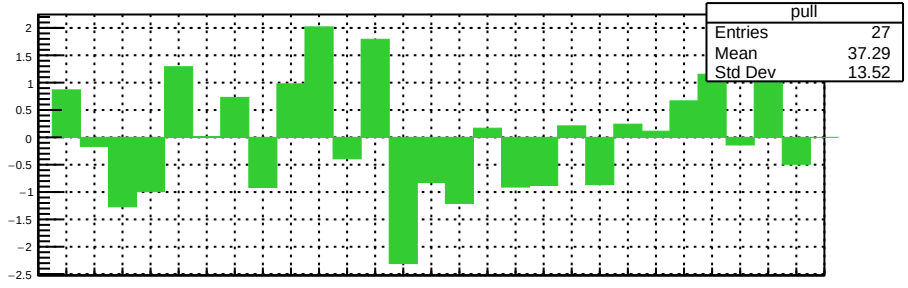

eigen_cor_asym_sam_48_avg_mean vs run
χ² / ndf 32.09 / 26
p0 −418 ± 331.7
4000
2000
0
−2000
−4000
−6000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 55.29
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean 0.02447
Std Dev 1.09
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

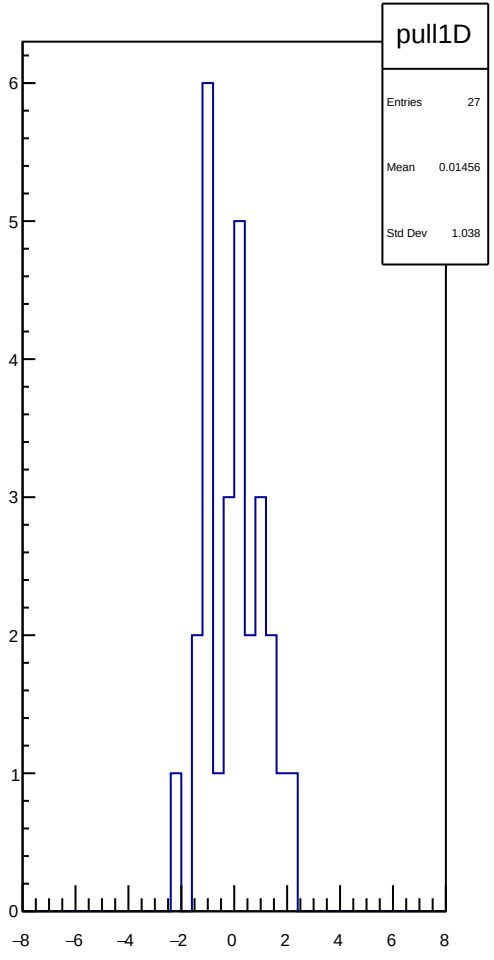

eigen_cor_asym_sam_48_avg_rms vs run
χ² / ndf 118.6 / 26
p0 168.6 ± 0.2346
182
180
178
176
174
172
170
168
166
164
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

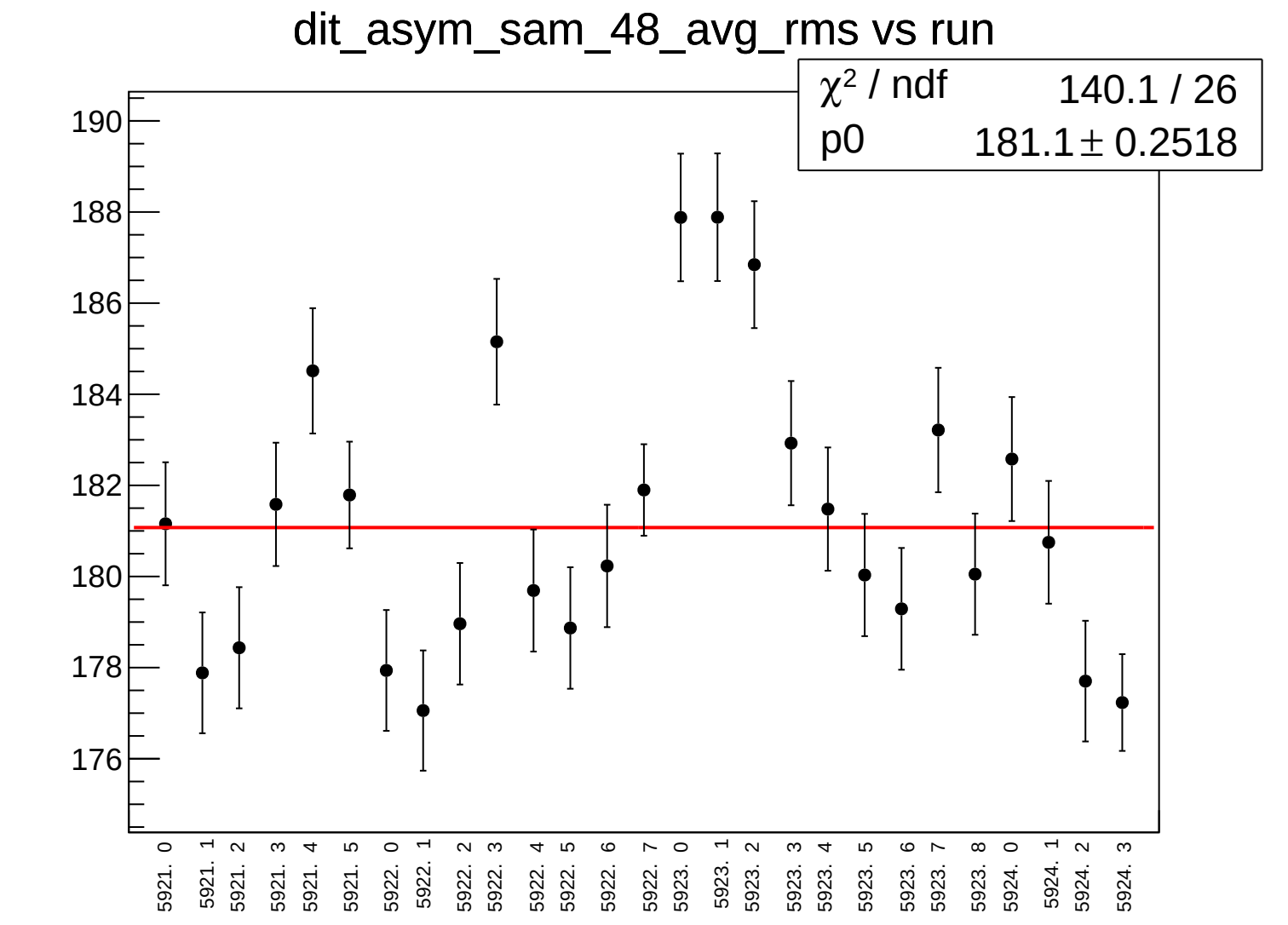

asym_sam_48_avg_eigen_cor_correction_mean vs run
χ² / ndf 19.96 / 26
p0 2578 ± 3853
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 19.65
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.01697
Std Dev 0.8595
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

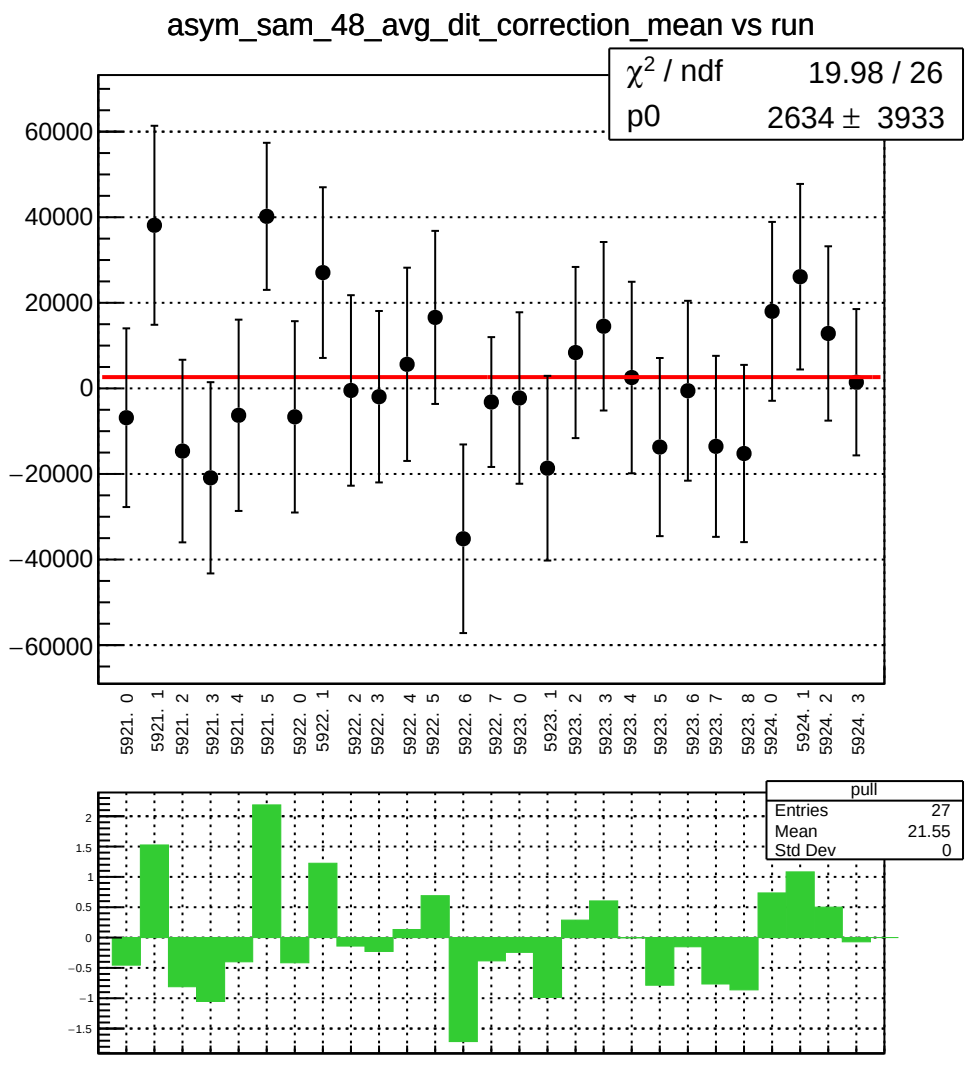

asym_sam_48_avg_eigen_cor_correction_rms vs run
χ² / ndf 1305 / 26
p0 1957 ± 2.725
2200
2150
2100
2050
2000
1950
1900
1850
1800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

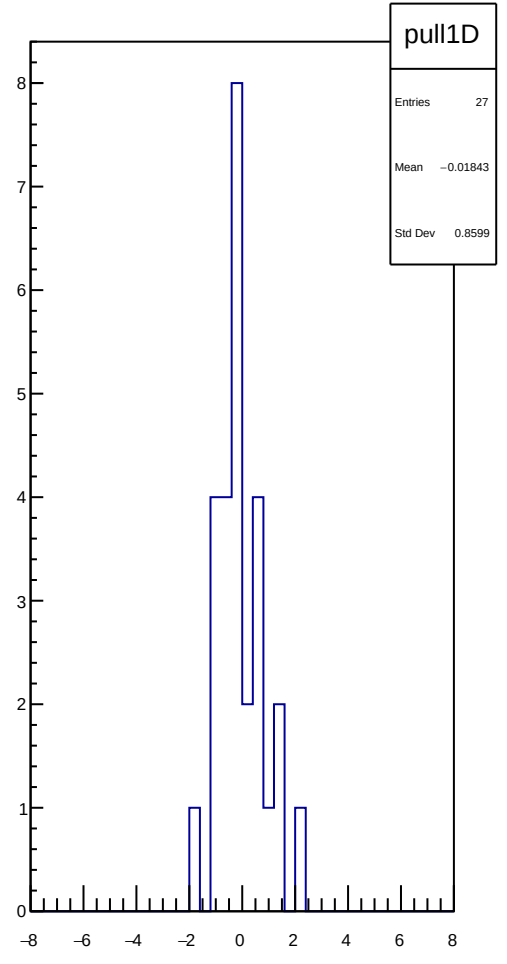

dit_asym_sam_48_avg_mean vs run
χ² / ndf 29.11 / 26
p0 −409 ± 356.2
6000
4000
2000
0
−2000
−4000
−6000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

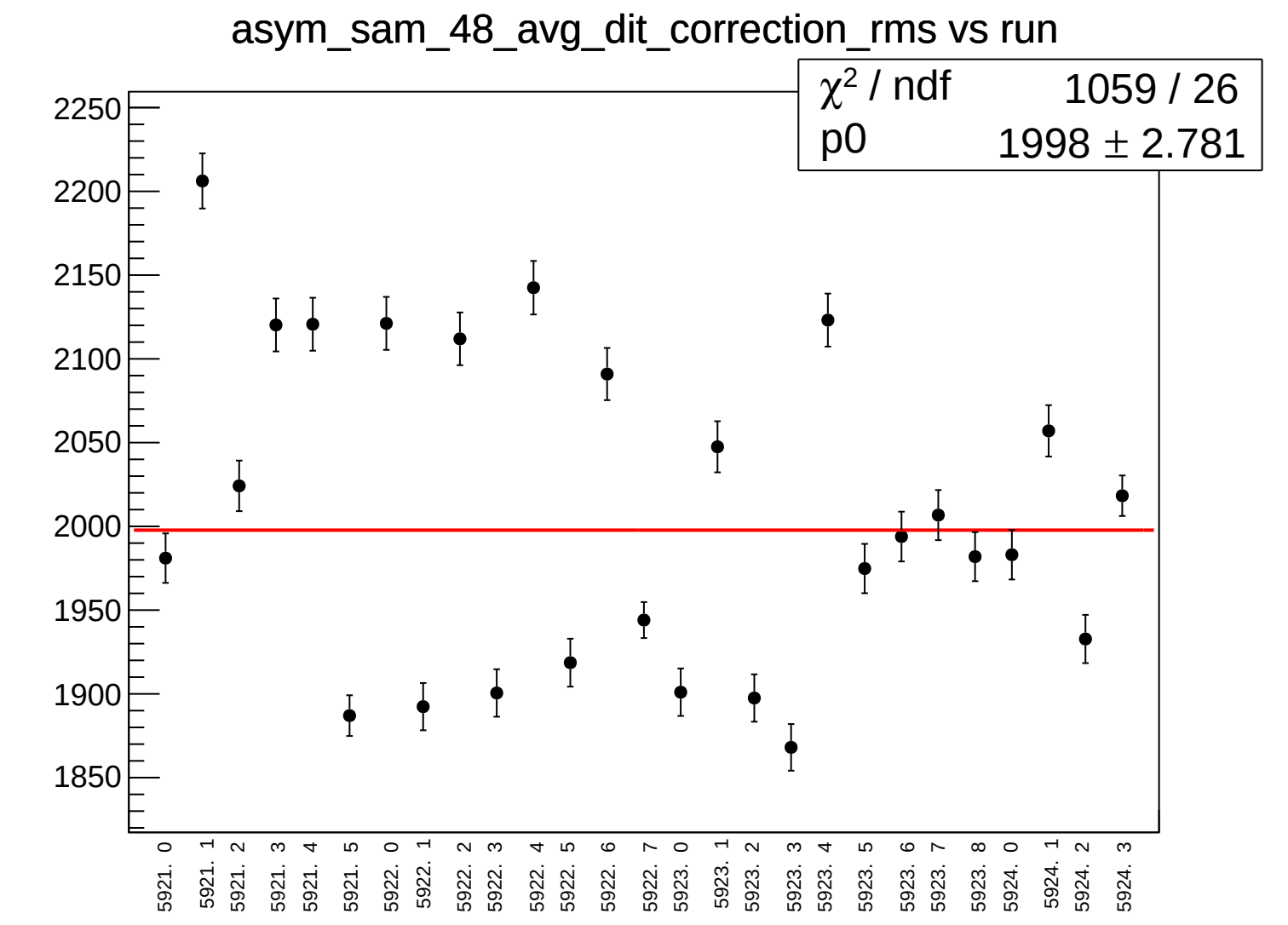

pull
Entries 27
Mean 37.29
Std Dev 13.52
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

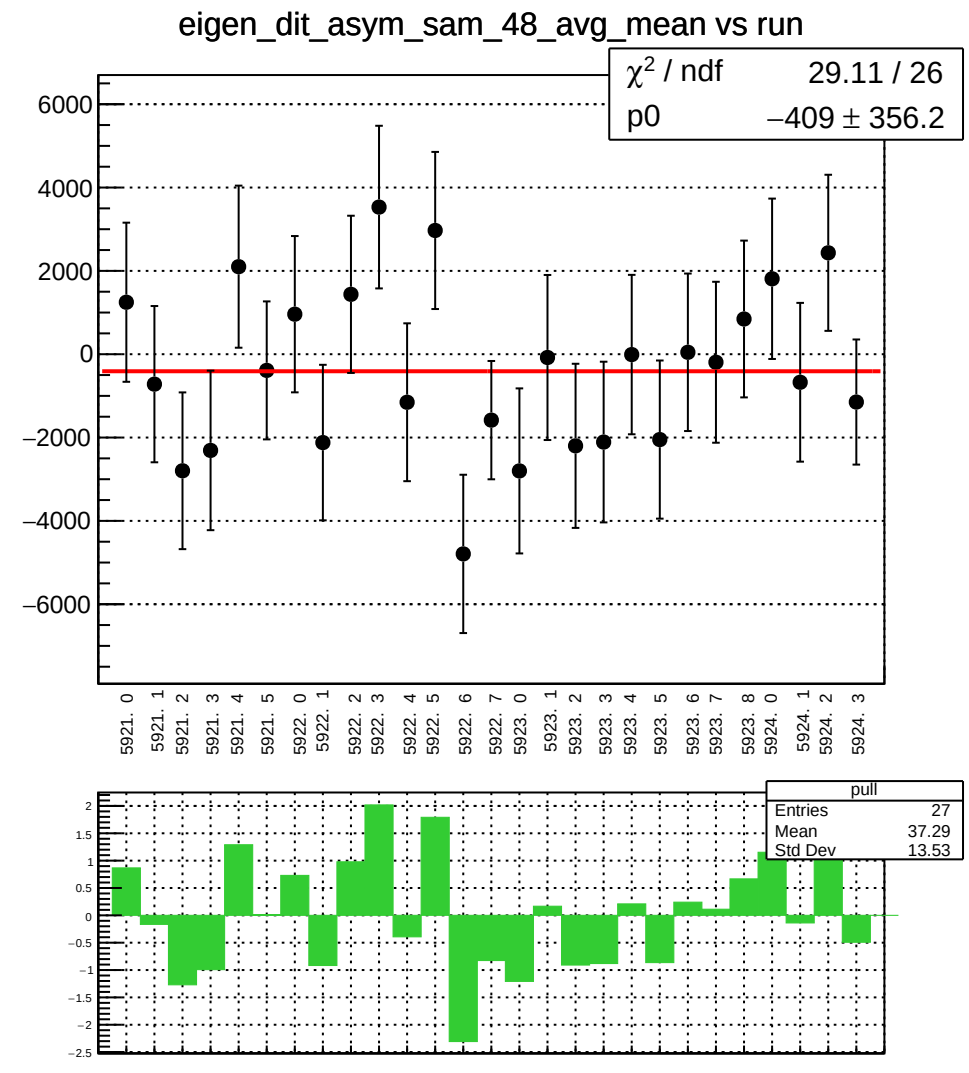

pull1D
Entries 27
Mean 0.01456
Std Dev 1.038
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

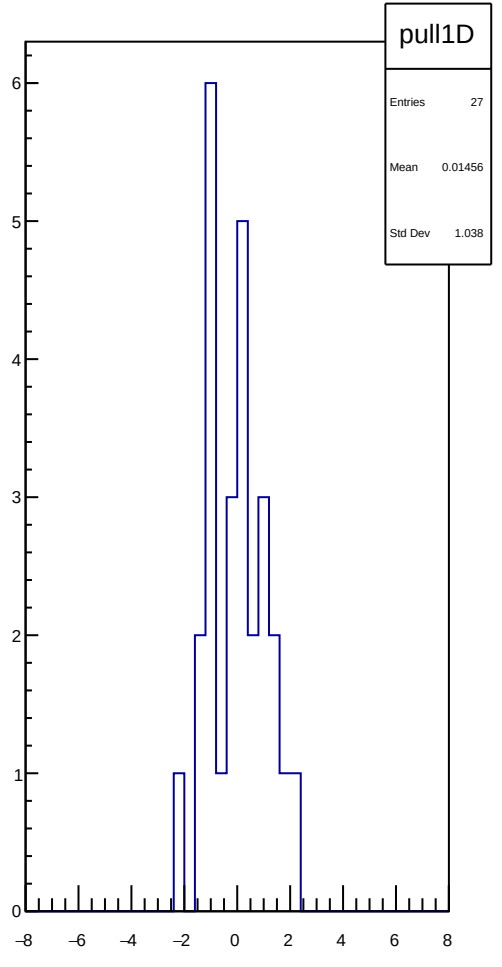

dit_asym_sam_48_avg_rms vs run
χ² / ndf 140.1 / 26
p0 181.1 ± 0.2518
190
188
186
184
182
180
178
176
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

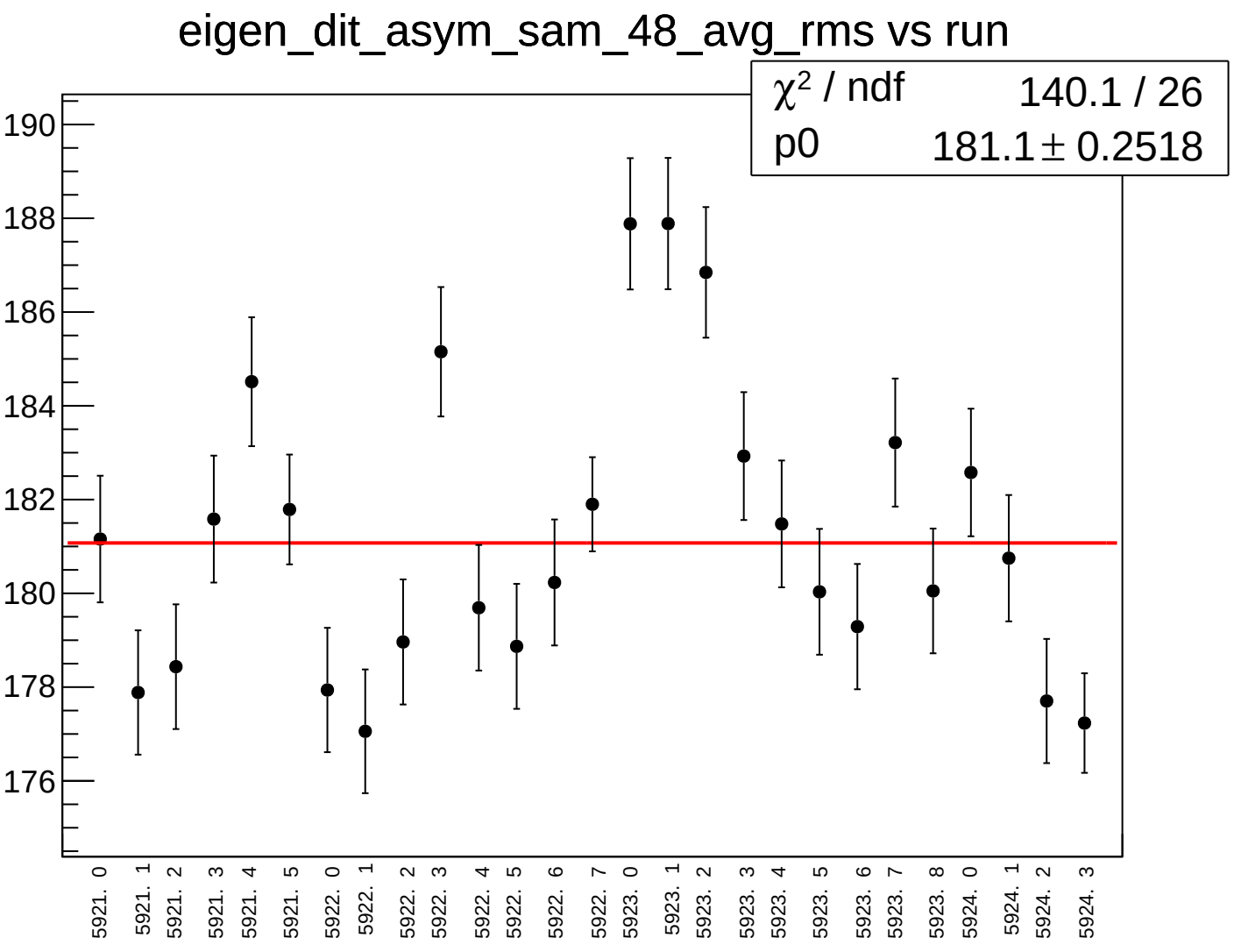

asym_sam_48_avg_dit_correction_mean vs run
χ² / ndf 19.98 / 26
p0 2634 ± 3933
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 21.55
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

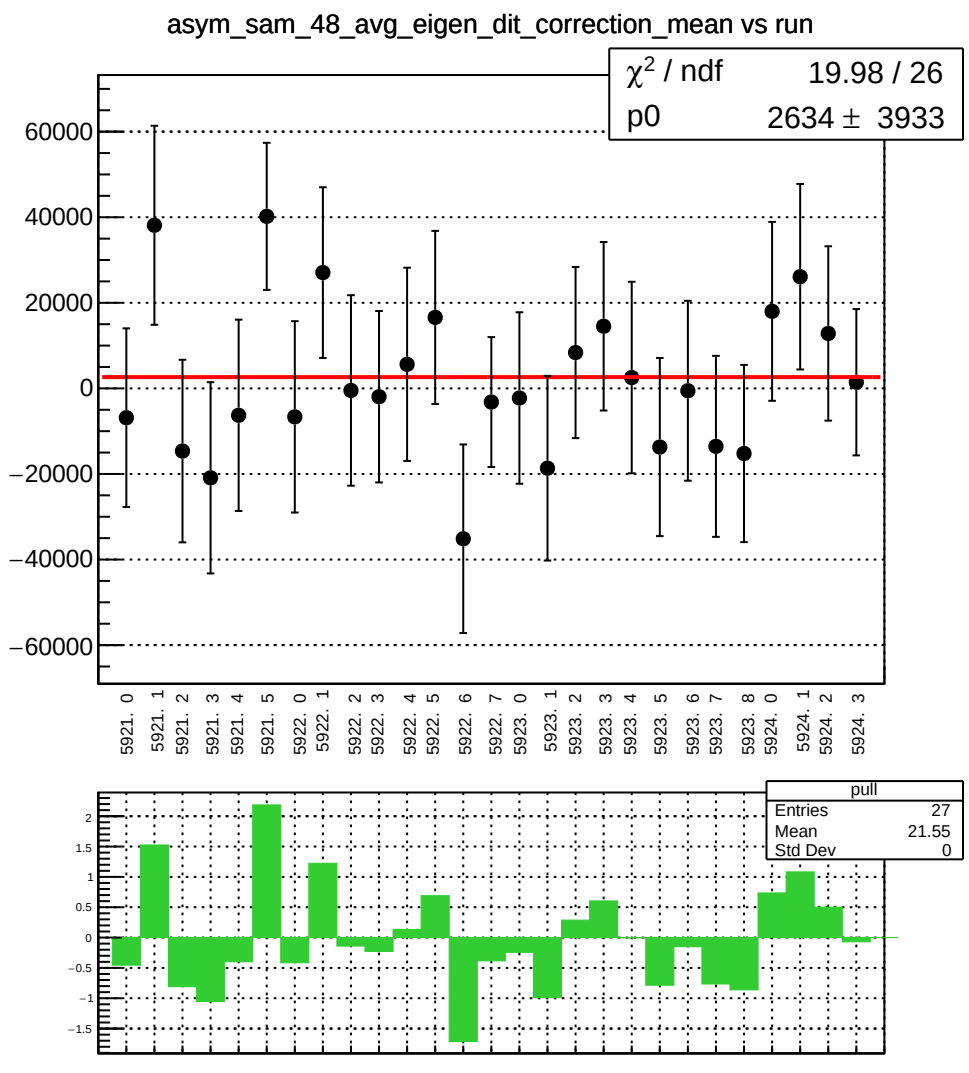

pull1D
Entries 27
Mean −0.01843
Std Dev 0.8599
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

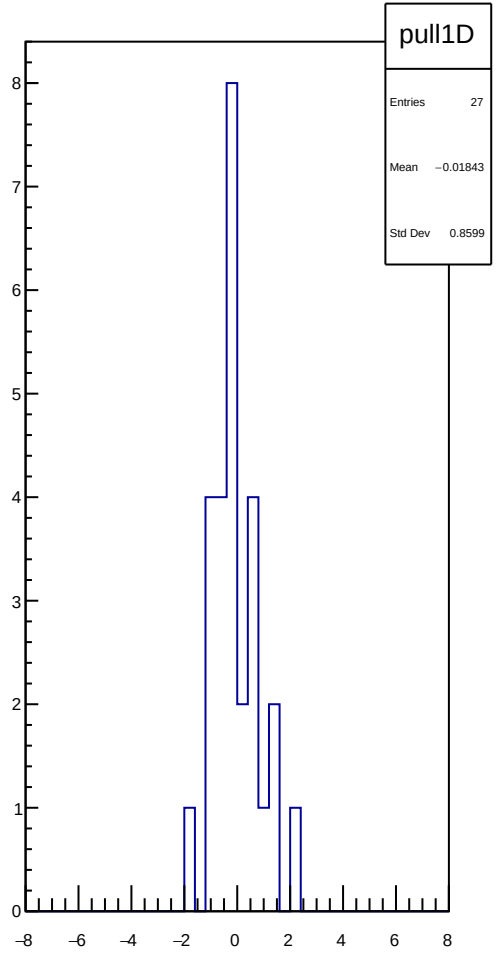

asym_sam_48_avg_dit_correction_rms vs run
χ² / ndf 1059 / 26
p0 1998 ± 2.781
2250
2200
2150
2100
2050
2000
1950
1900
1850
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

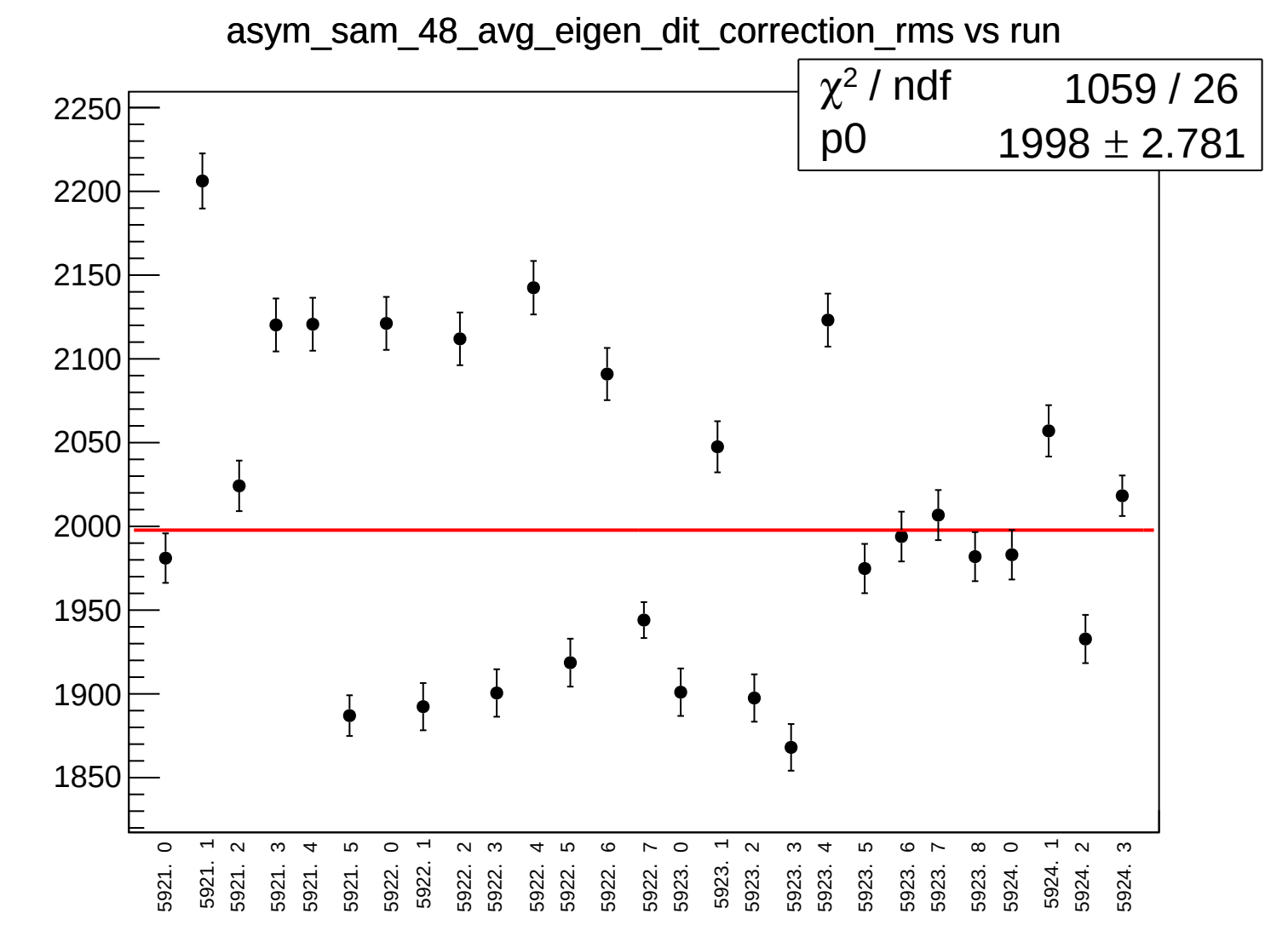

eigen_dit_asym_sam_48_avg_mean vs run
χ² / ndf 29.11 / 26
p0 −409 ± 356.2
6000
4000
2000
0
−2000
−4000
−6000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 37.29
Std Dev 13.53
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

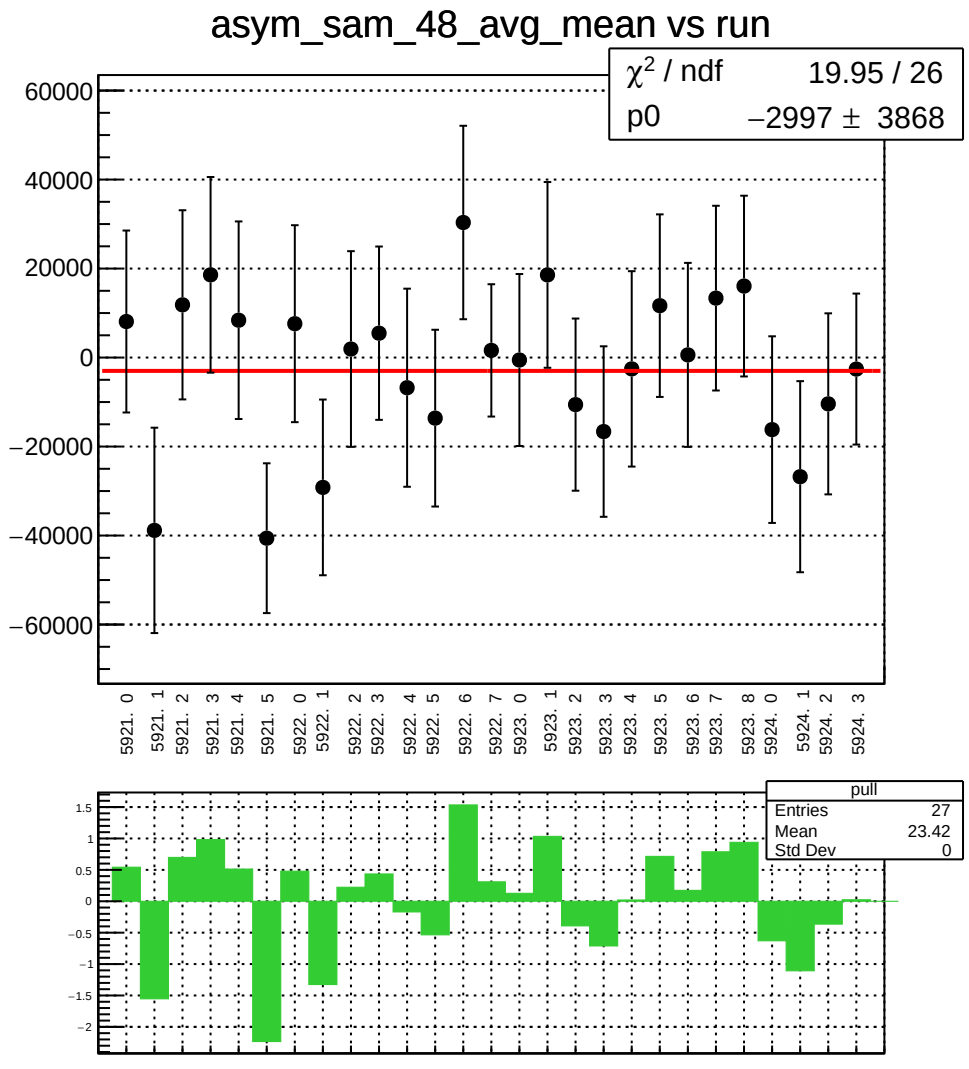

pull1D
Entries 27
Mean 0.01456
Std Dev 1.038
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

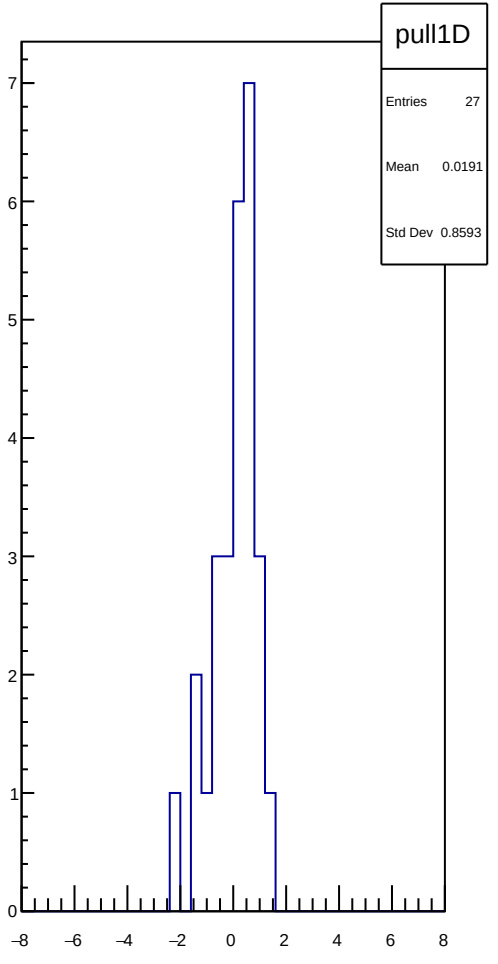

eigen_dit_asym_sam_48_avg_rms vs run
χ² / ndf 140.1 / 26
p0 181.1 ± 0.2518
190
188
186
184
182
180
178
176
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

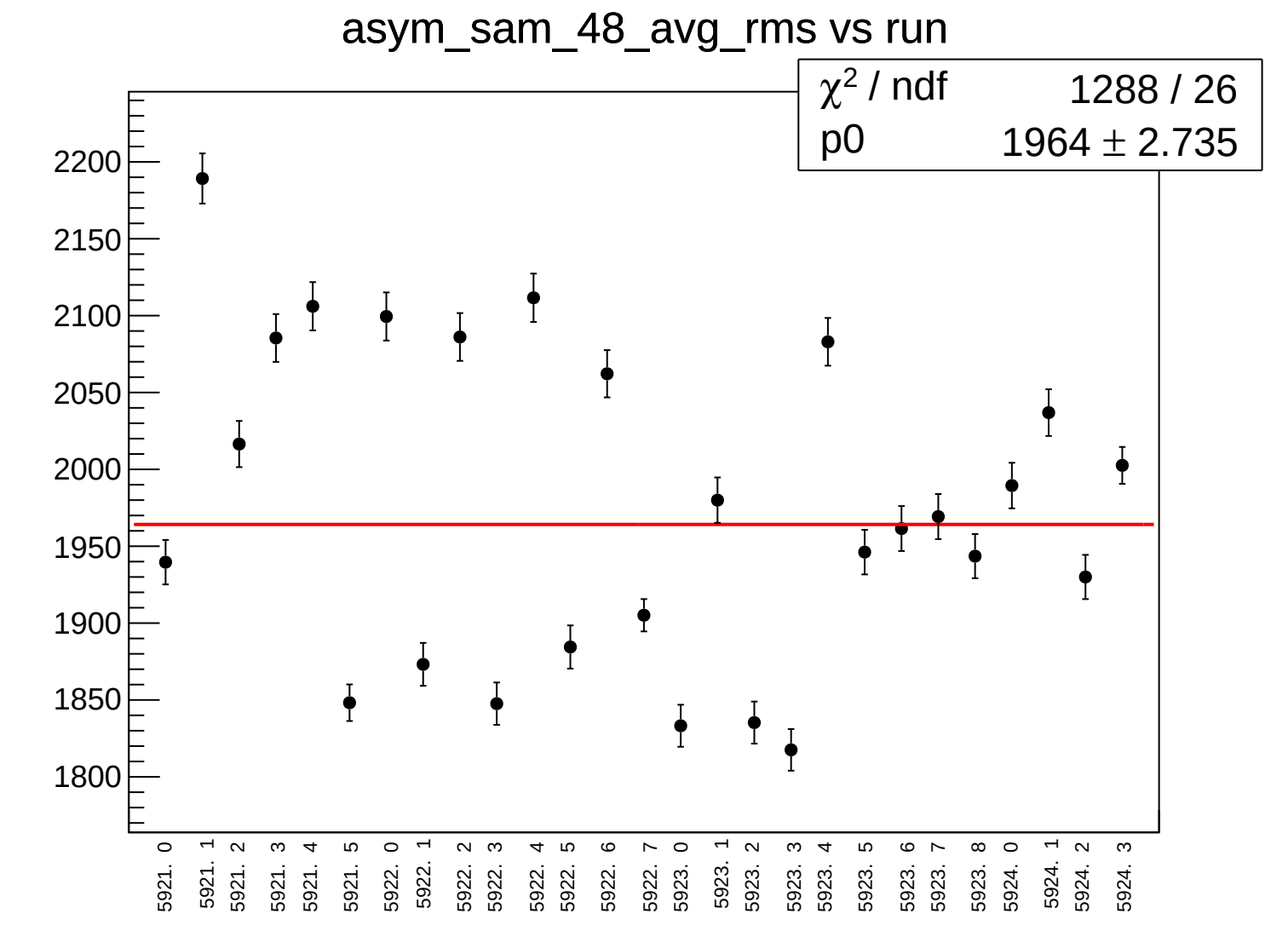

asym_sam_48_avg_eigen_dit_correction_mean vs run
χ² / ndf 19.98 / 26
p0 2634 ± 3933
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 21.55
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

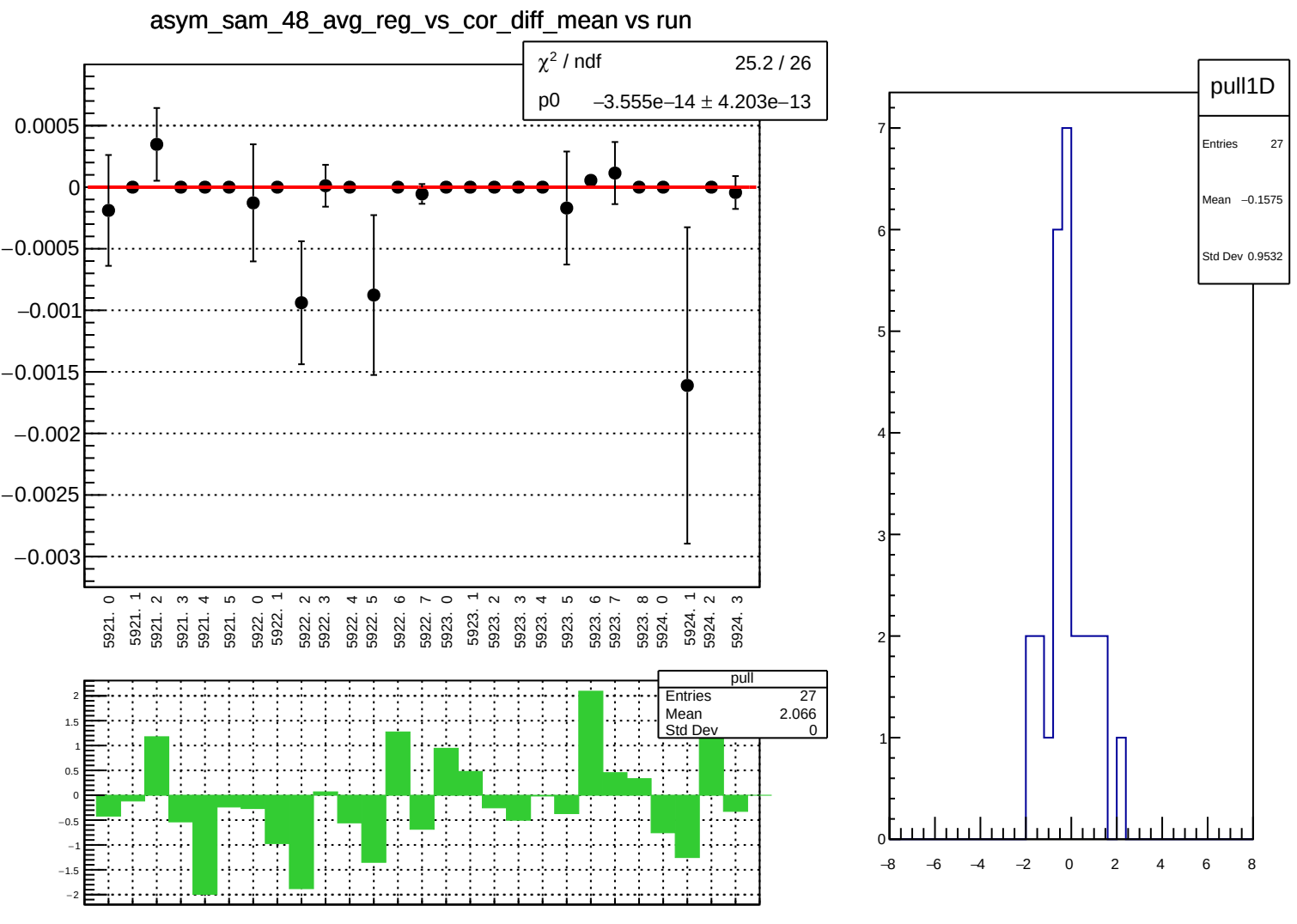

pull1D
Entries 27
Mean −0.01843
Std Dev 0.8599
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

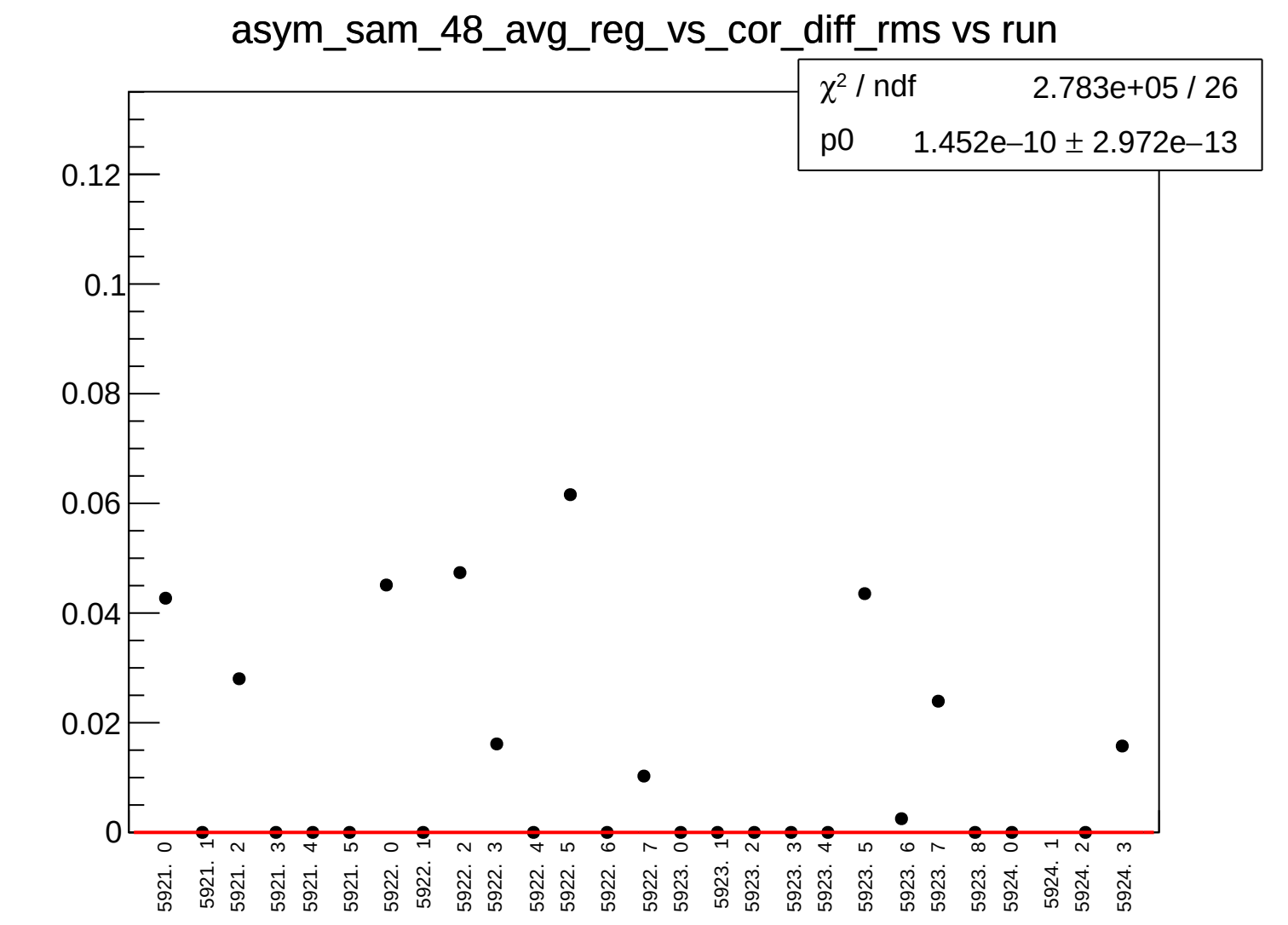

asym_sam_48_avg_eigen_dit_correction_rms vs run
χ² / ndf 1059 / 26
p0 1998 ± 2.781
2250
2200
2150
2100
2050
2000
1950
1900
1850
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

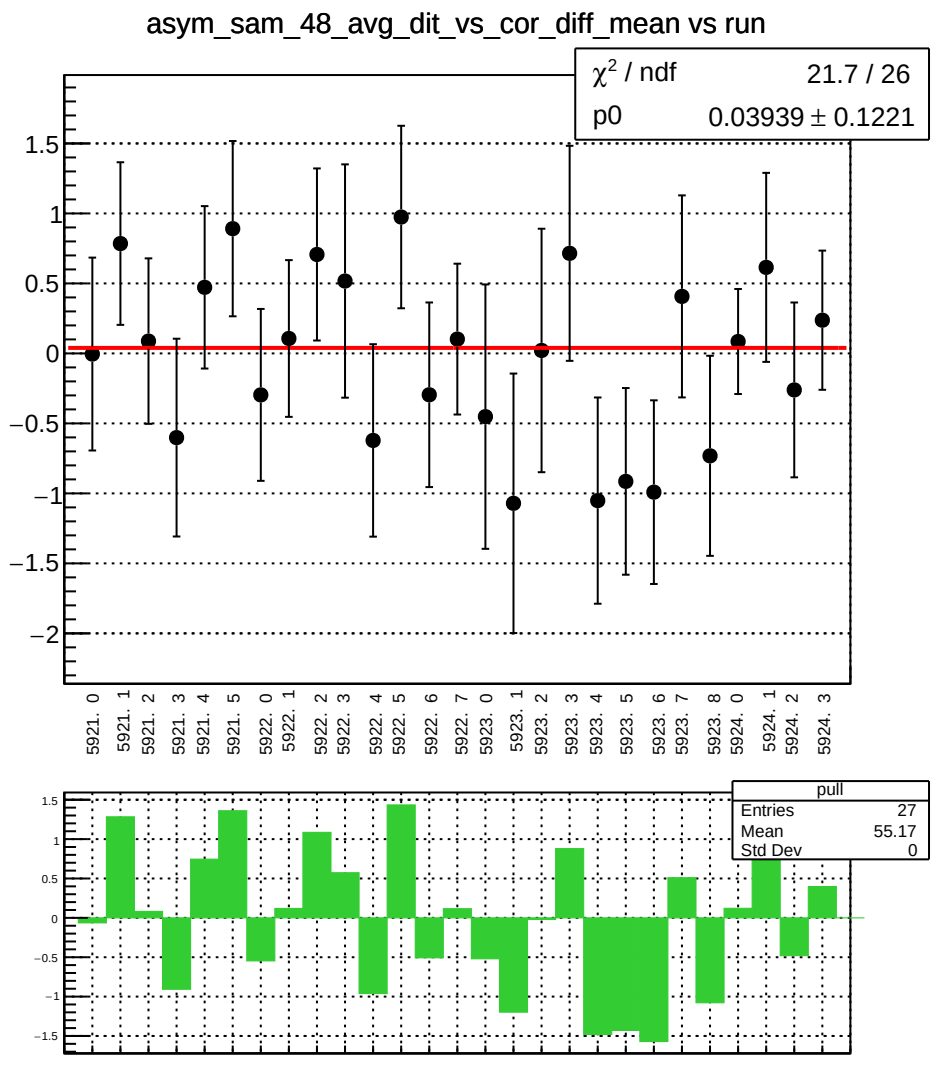

asym_sam_48_avg_mean vs run
χ² / ndf 19.95 / 26
p0 −2997 ± 3868
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 23.42
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

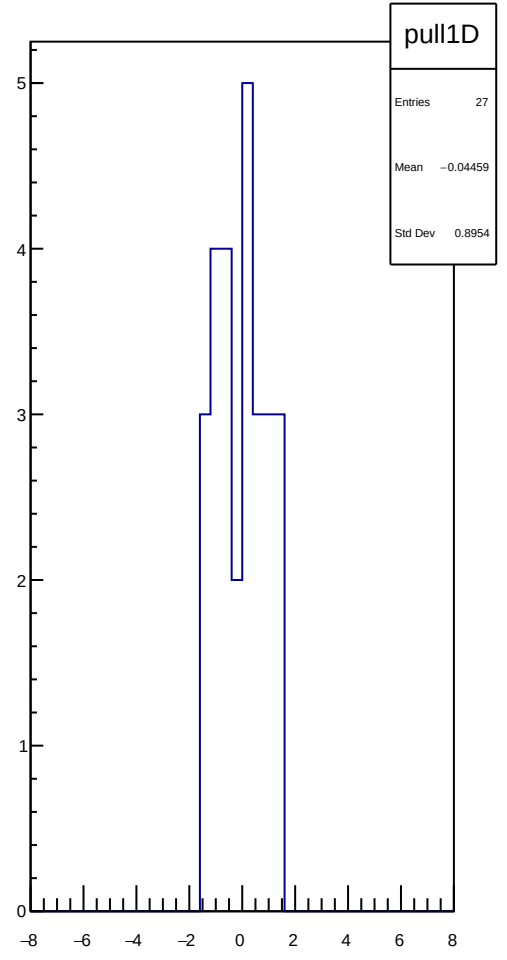

pull1D
Entries 27
Mean 0.0191
Std Dev 0.8593
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

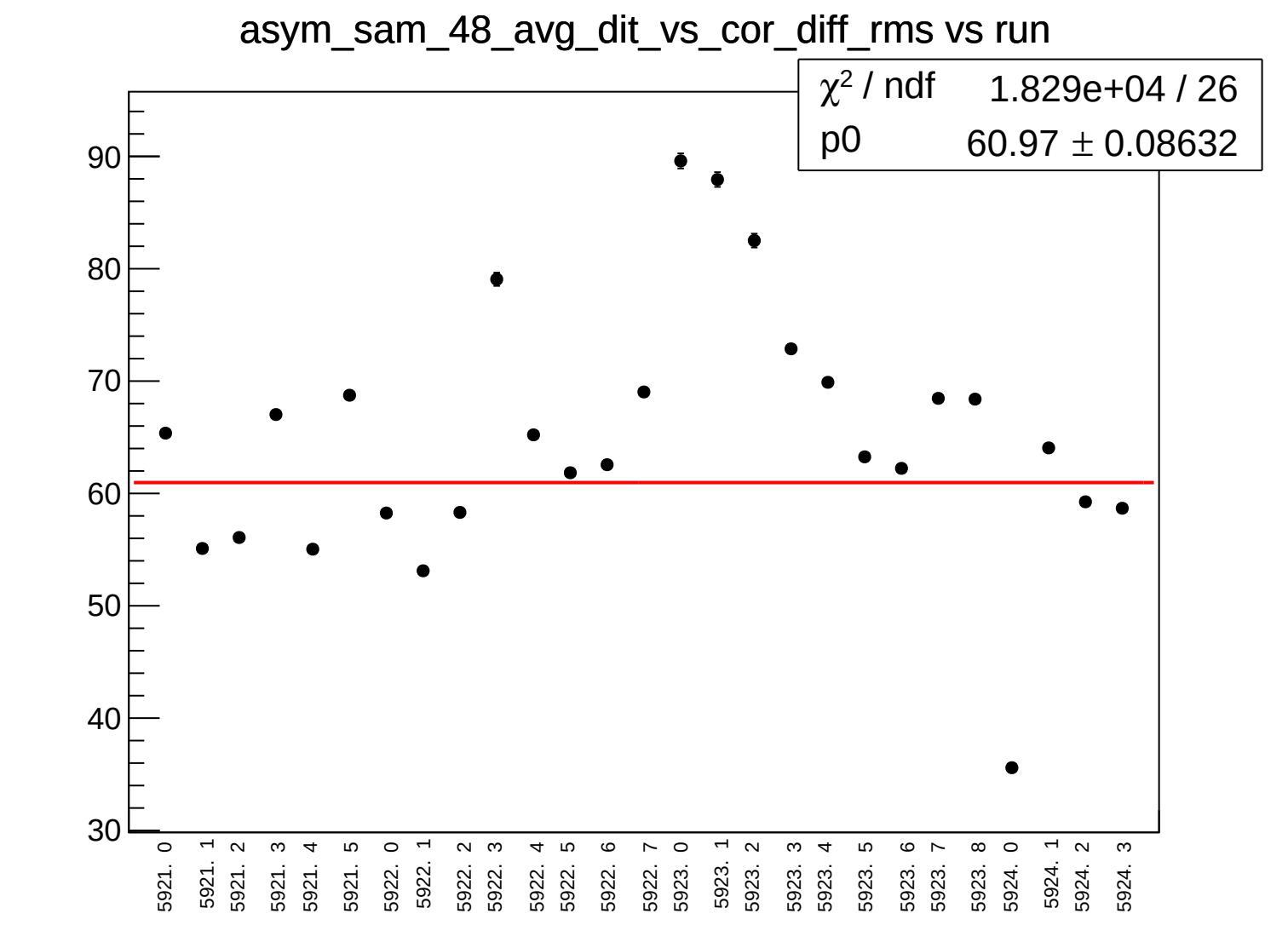

asym_sam_48_avg_rms vs run
χ² / ndf 1288 / 26
p0 1964 ± 2.735
2200
2150
2100
2050
2000
1950
1900
1850
1800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

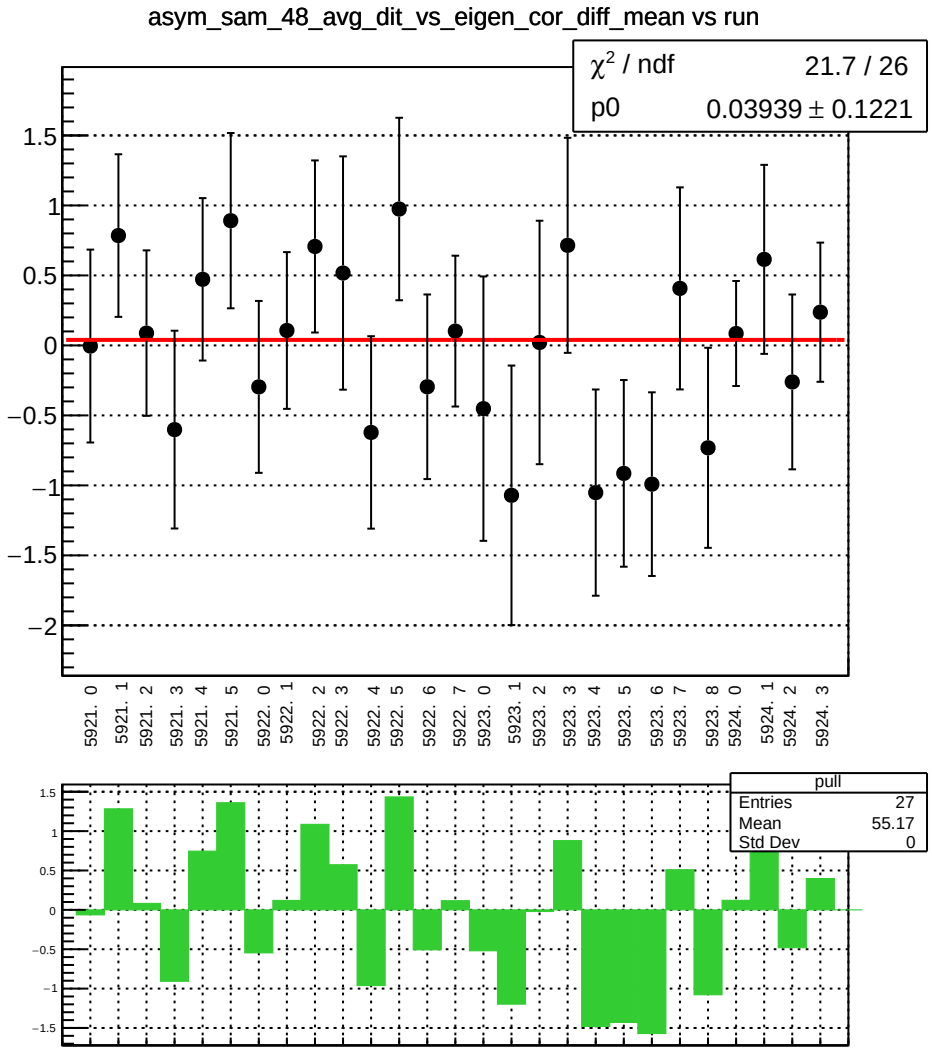

asym_sam_48_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 25.2 / 26
p0 −3.555e−14 ± 4.203e−13
0.0005
0
−0.0005
−0.001
−0.0015
−0.002
−0.0025
−0.003
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 2.066
Std Dev 0
pull1D
Entries 27
Mean −0.1575
Std Dev 0.9532

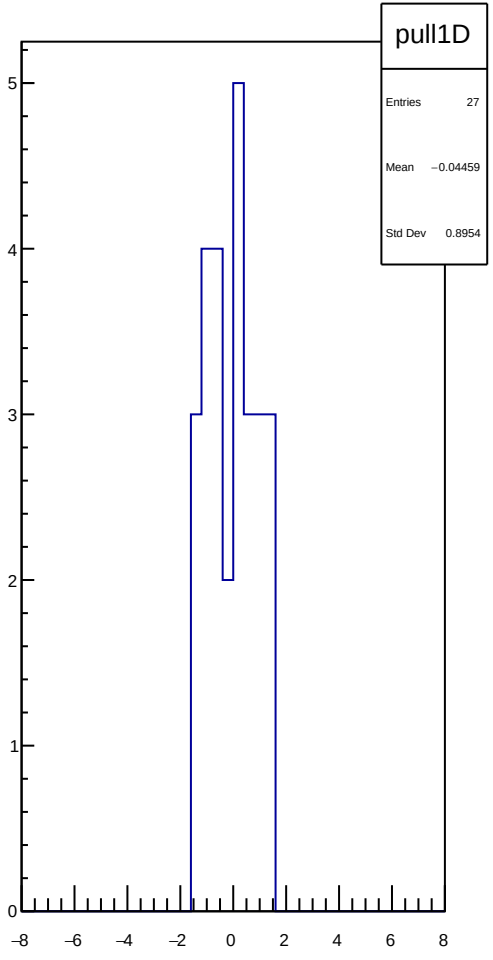

asym_sam_48_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 2.783e+05 / 26
p0 1.452e−10 ± 2.972e−13
0.12
0.1
0.08
0.06
0.04
0.02
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

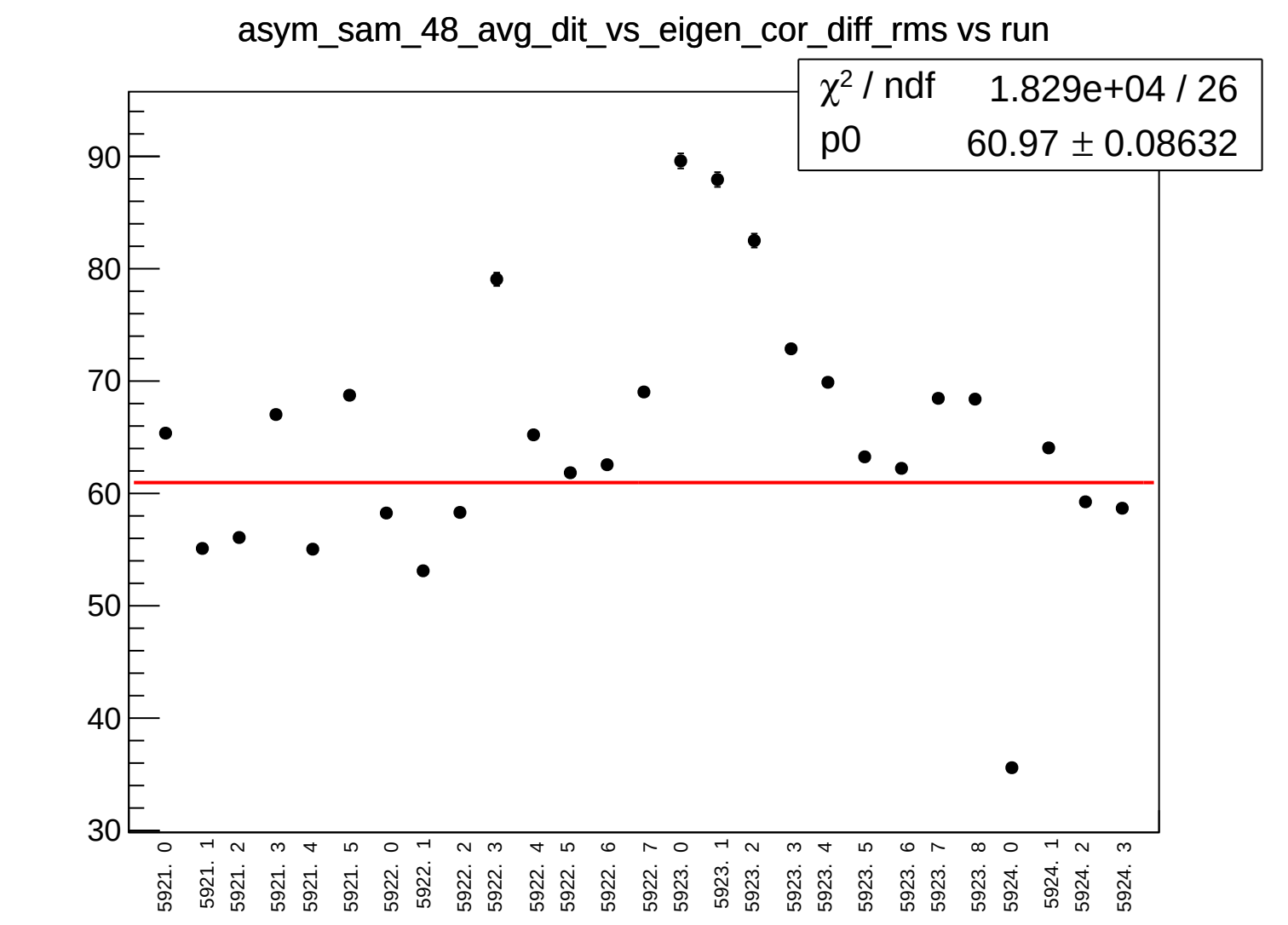

asym_sam_48_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 21.7 / 26
p0 0.03939 ± 0.1221
1.5
1
0.5
0
−0.5
−1
−1.5
−2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 55.17
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

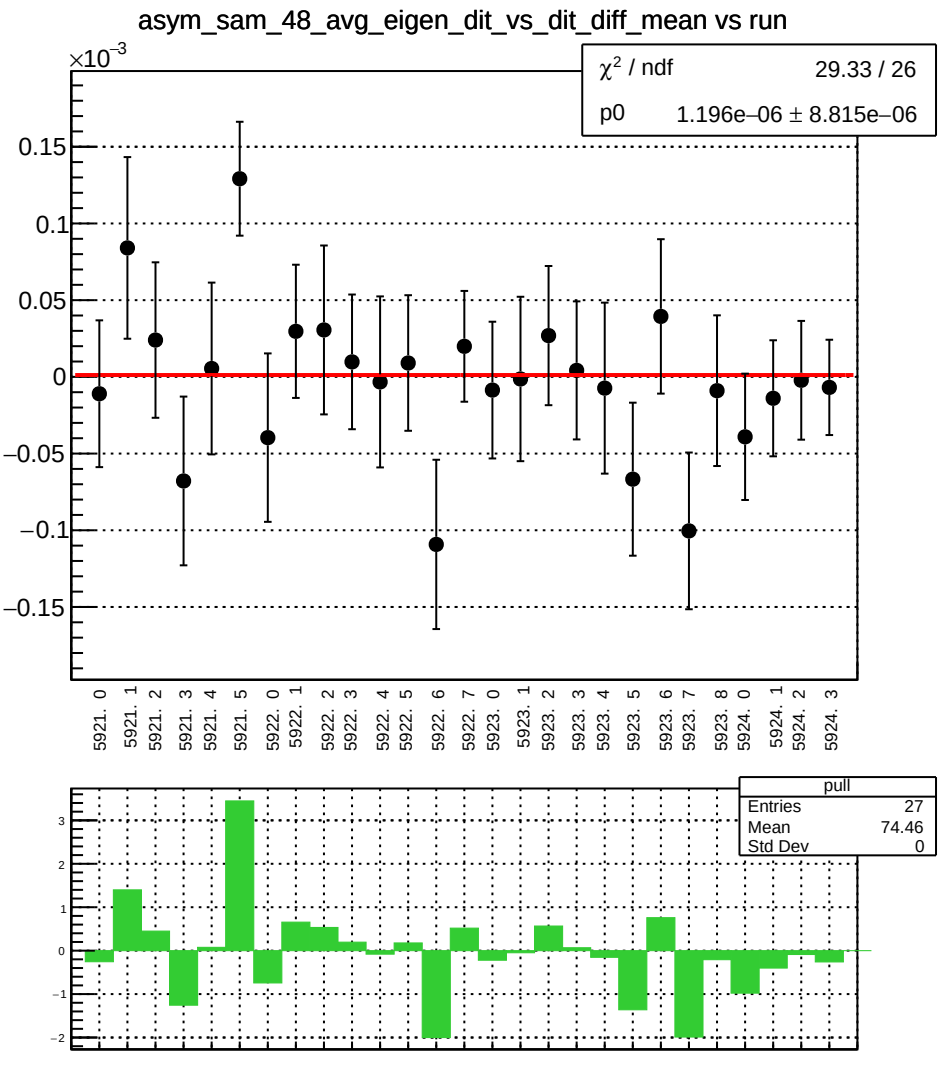

pull1D
Entries 27
Mean −0.04459
Std Dev 0.8954
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

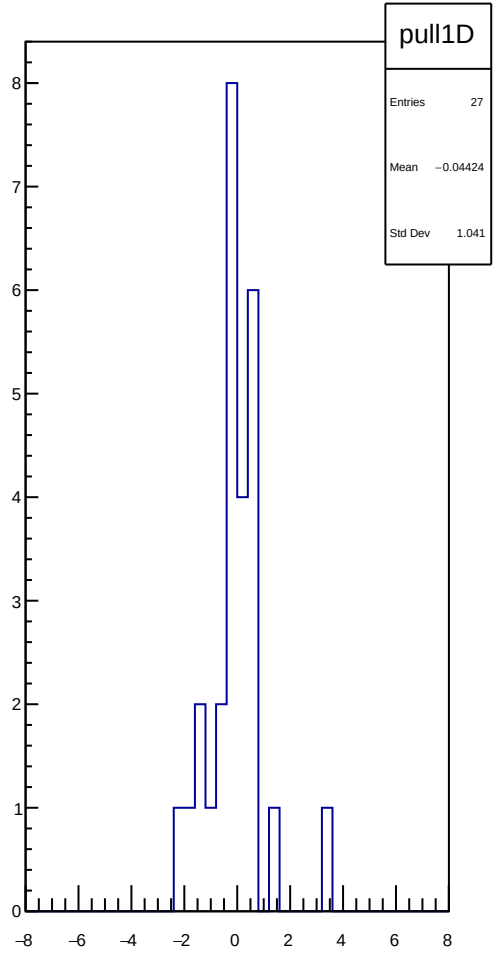

asym_sam_48_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.829e+04 / 26
p0 60.97 ± 0.08632
90
80
70
60
50
40
30
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

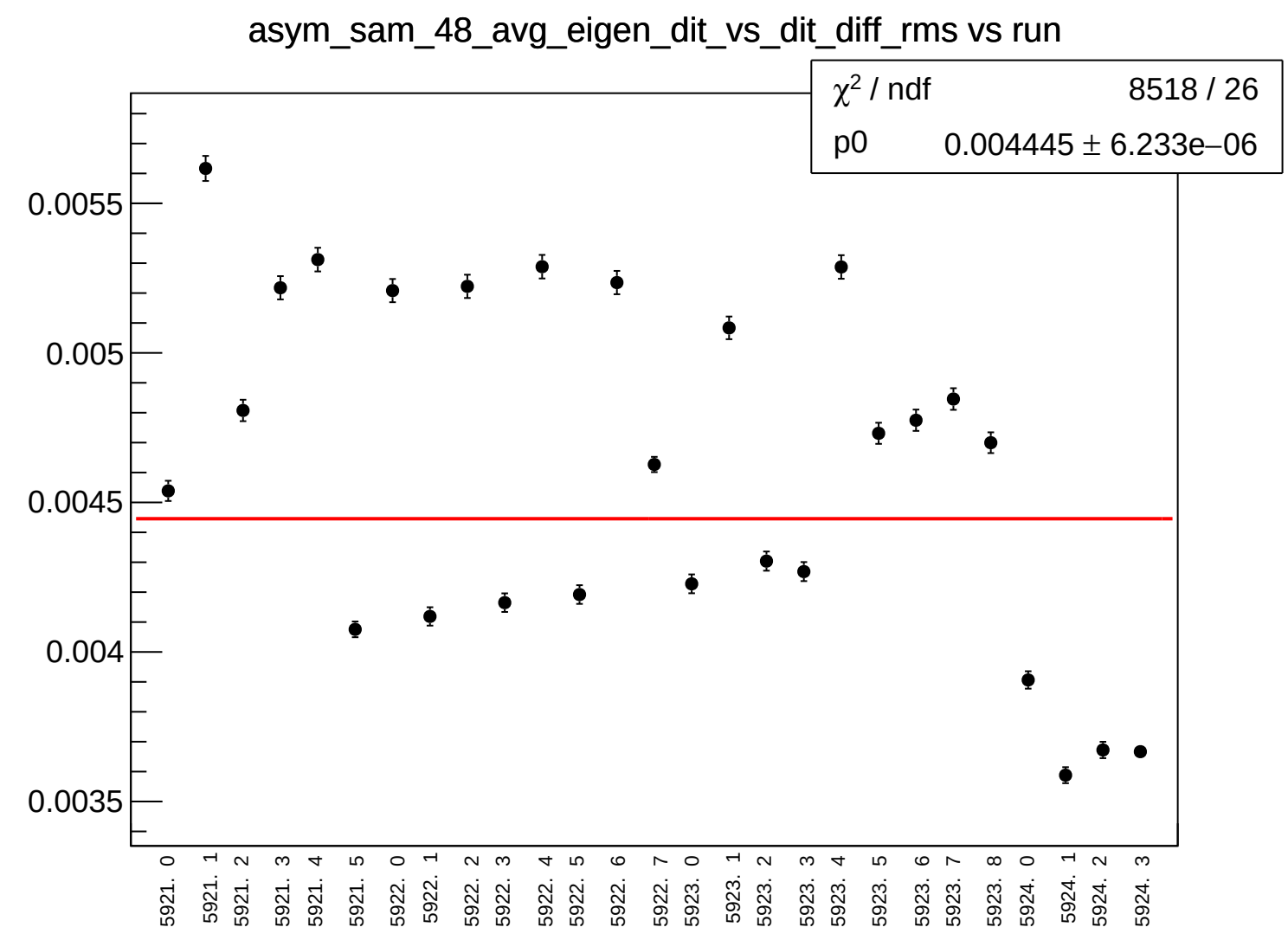

asym_sam_48_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 21.7 / 26
p0 0.03939 ± 0.1221
1.5
1
0.5
0
−0.5
−1
−1.5
−2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 55.17
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

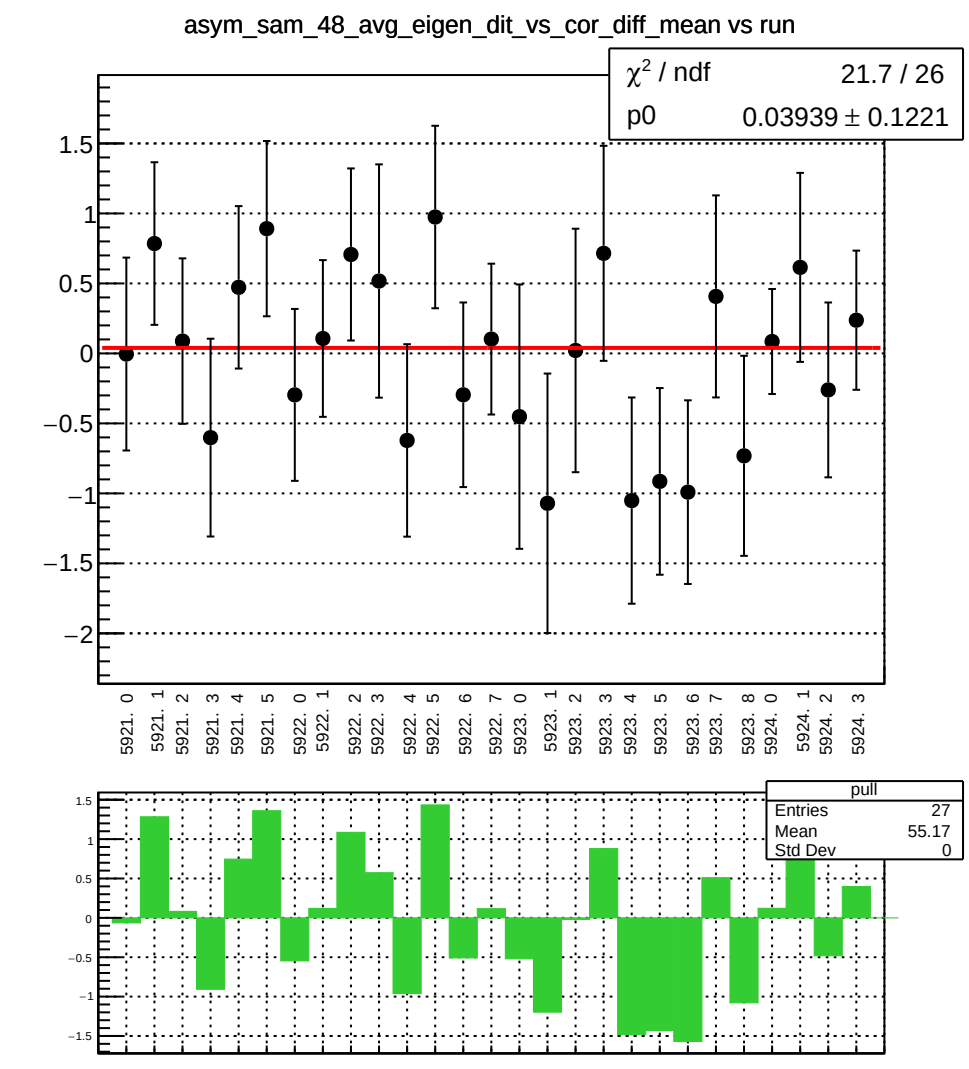

pull1D
Entries 27
Mean −0.04459
Std Dev 0.8954
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

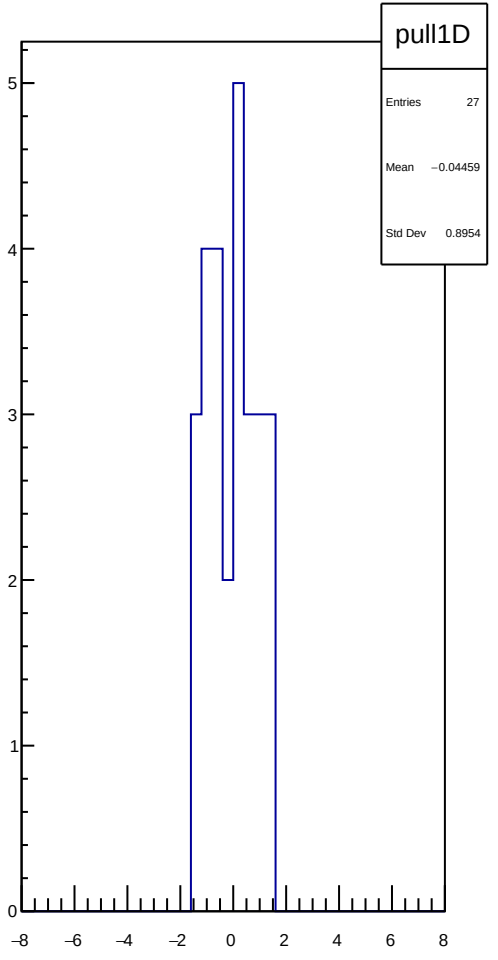

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.829e+04 / 26
p0 60.97 ± 0.08632
90
80
70
60
50
40
30
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

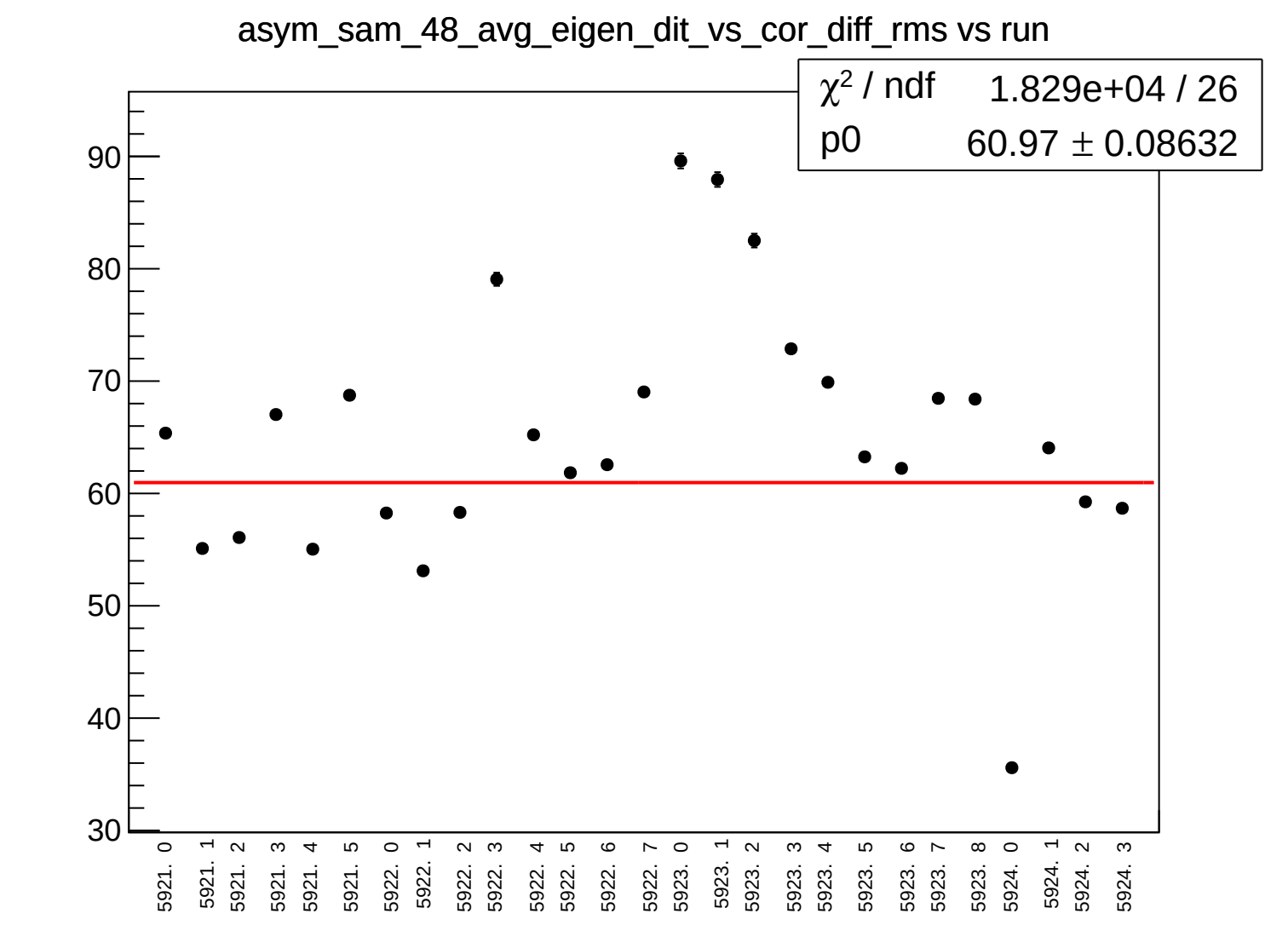

asym_sam_48_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 29.33 / 26
p0 1.196e−06 ± 8.815e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 74.46
Std Dev 0
3
2
1
0
−1
−2

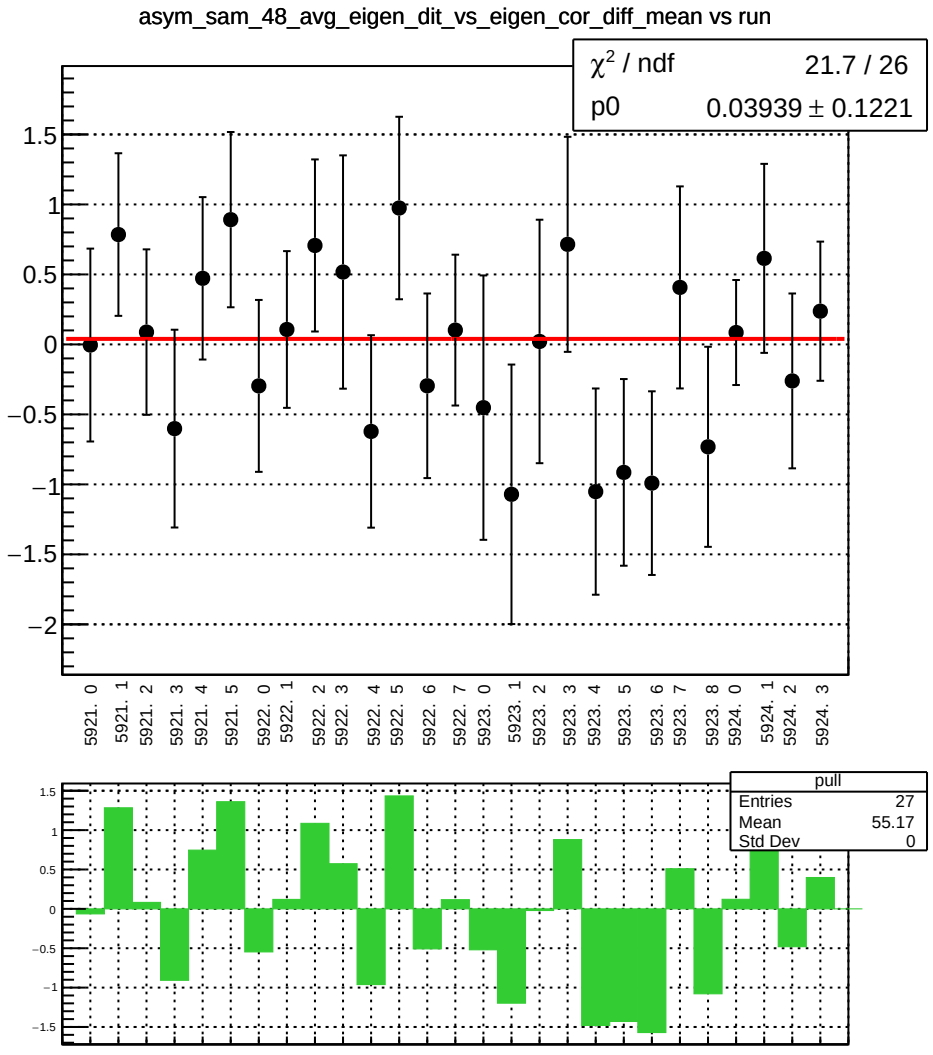

pull1D
Entries 27
Mean −0.04424
Std Dev 1.041
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

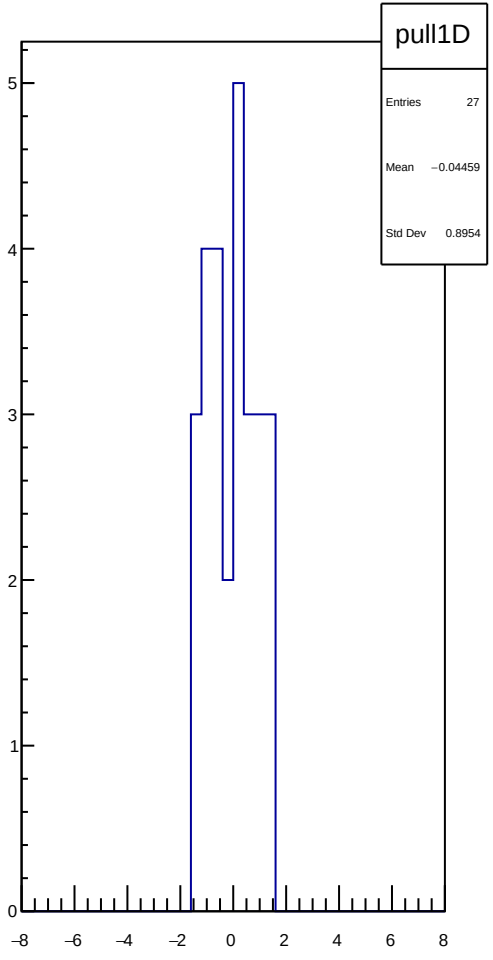

asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8518 / 26
p0 0.004445 ± 6.233e−06
0.0055
0.005
0.0045
0.004
0.0035
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

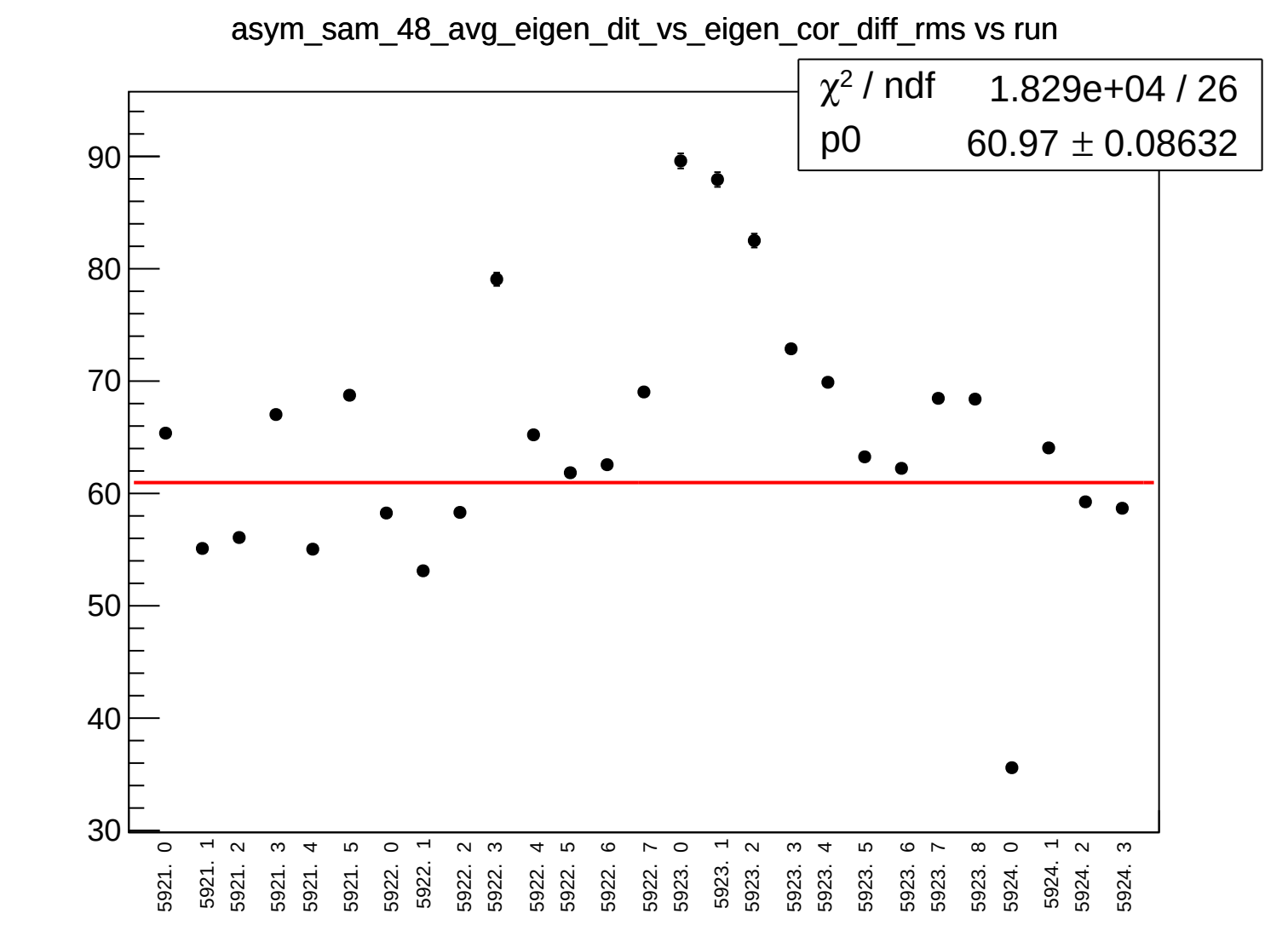

asym_sam_48_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 21.7 / 26
p0 0.03939 ± 0.1221
1.5
1
0.5
0
−0.5
−1
−1.5
−2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 55.17
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

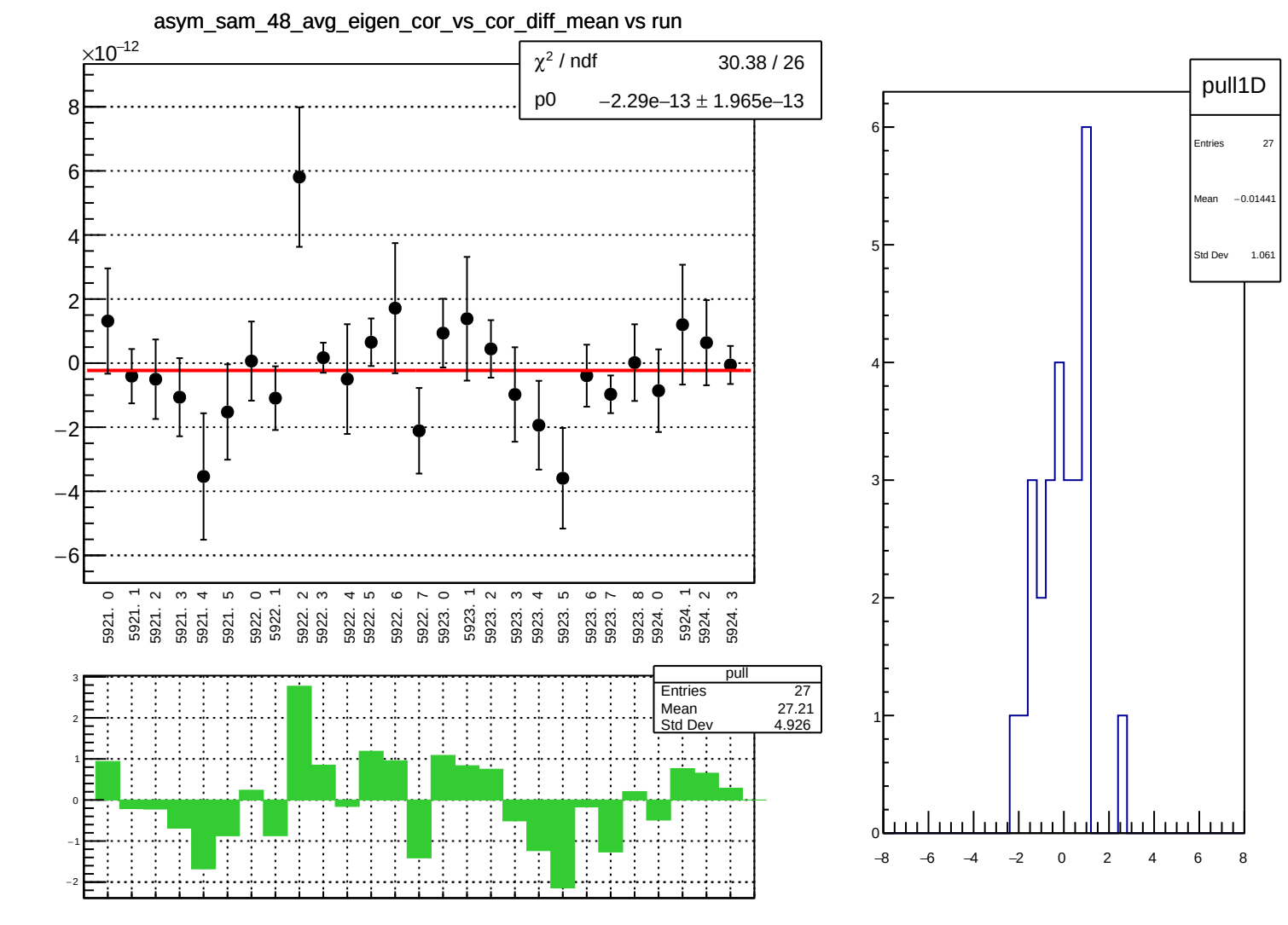

pull1D
Entries 27
Mean −0.04459
Std Dev 0.8954
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

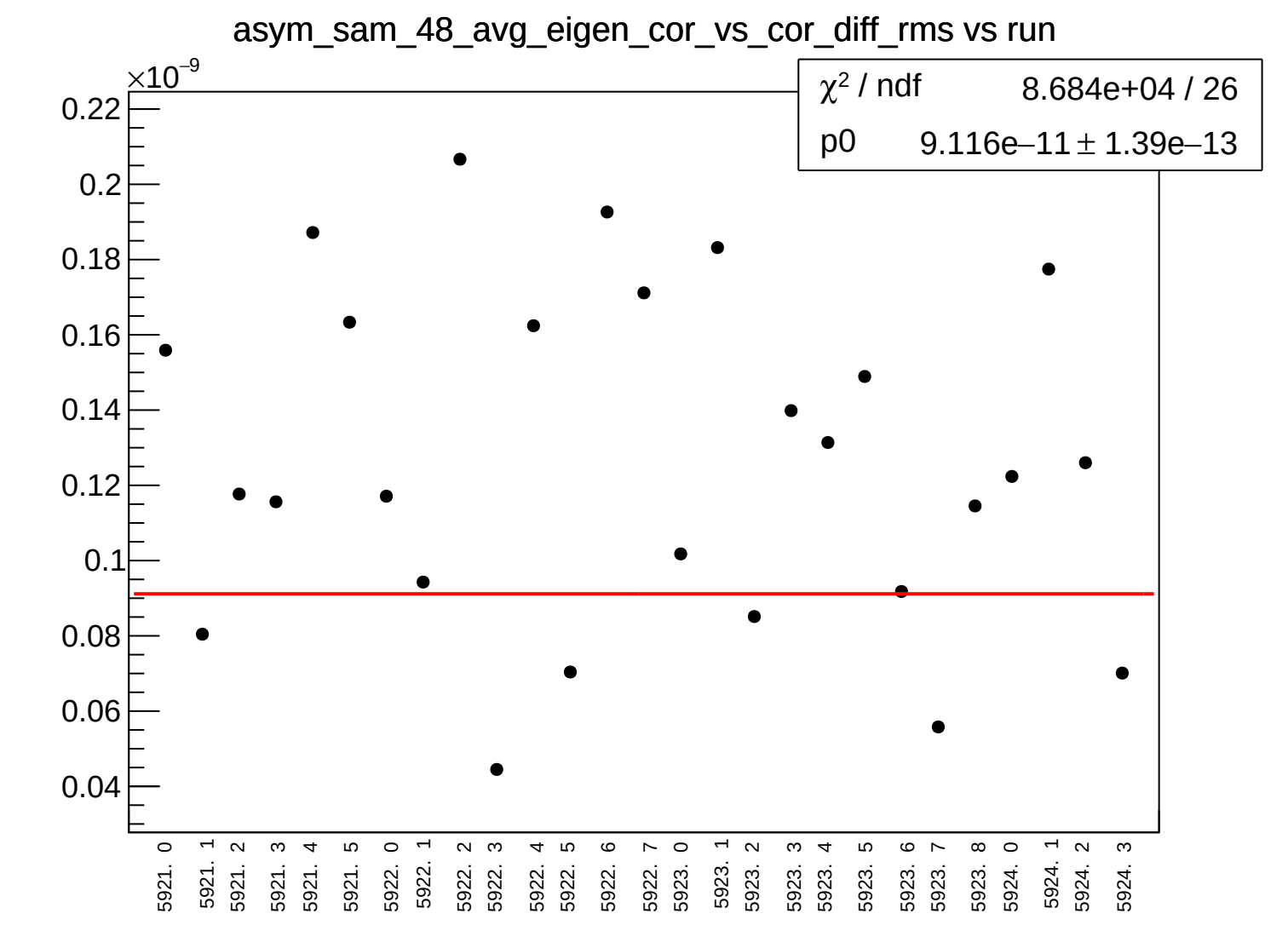

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.829e+04 / 26
p0 60.97 ± 0.08632
90
80
70
60
50
40
30
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

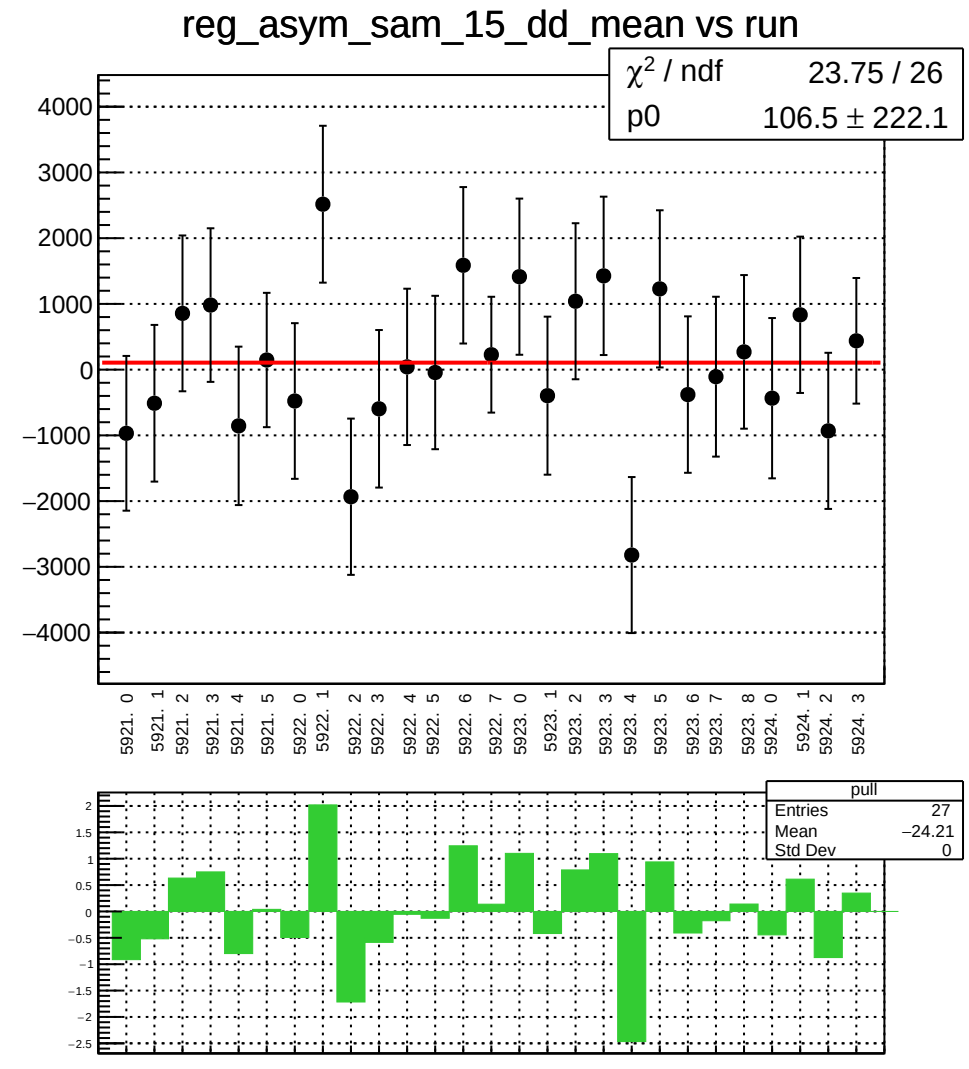

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 21.7 / 26
p0 0.03939 ± 0.1221
1.5
1
0.5
0
−0.5
−1
−1.5
−2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 55.17
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

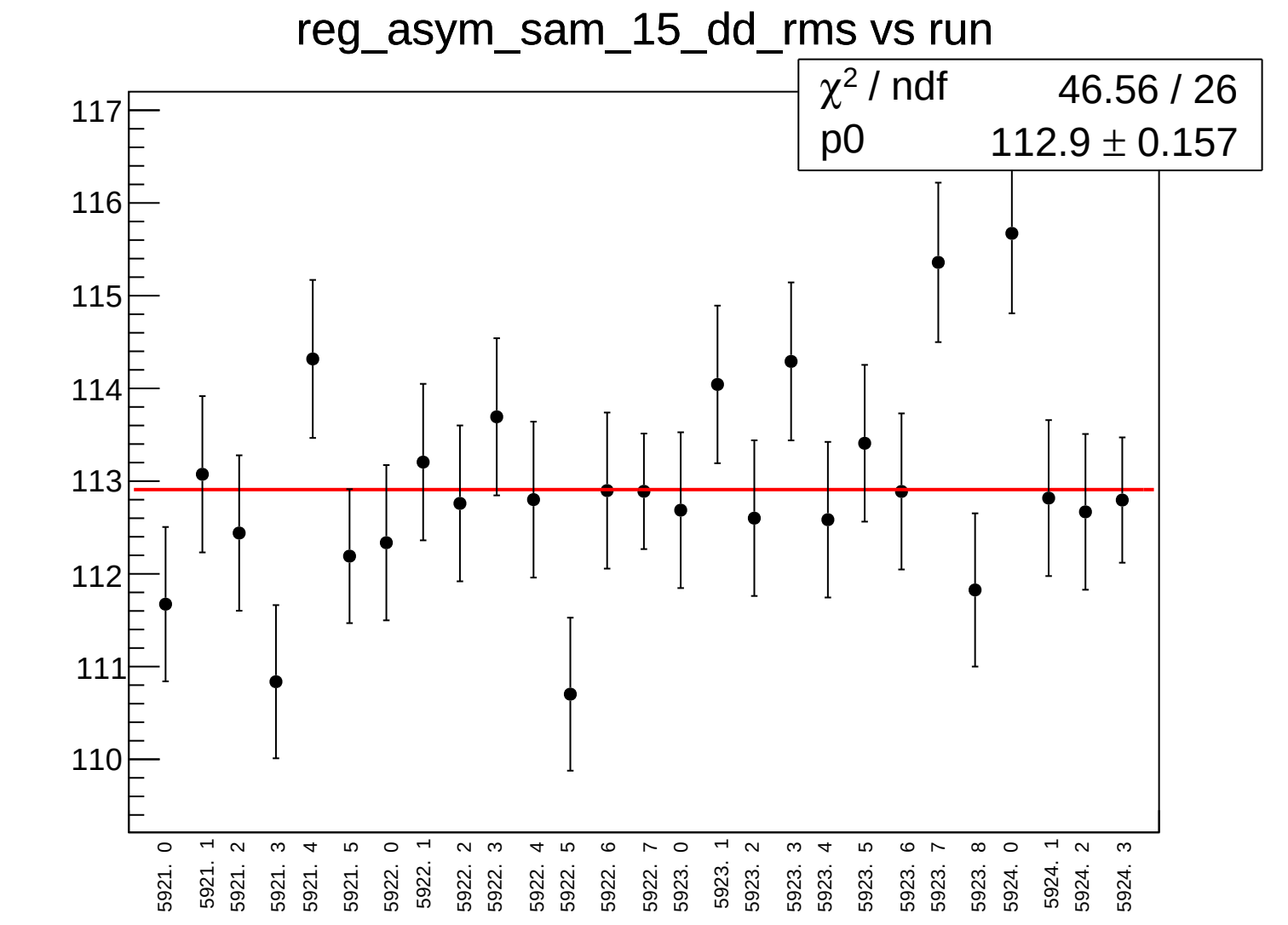

pull1D
Entries 27
Mean −0.04459
Std Dev 0.8954
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

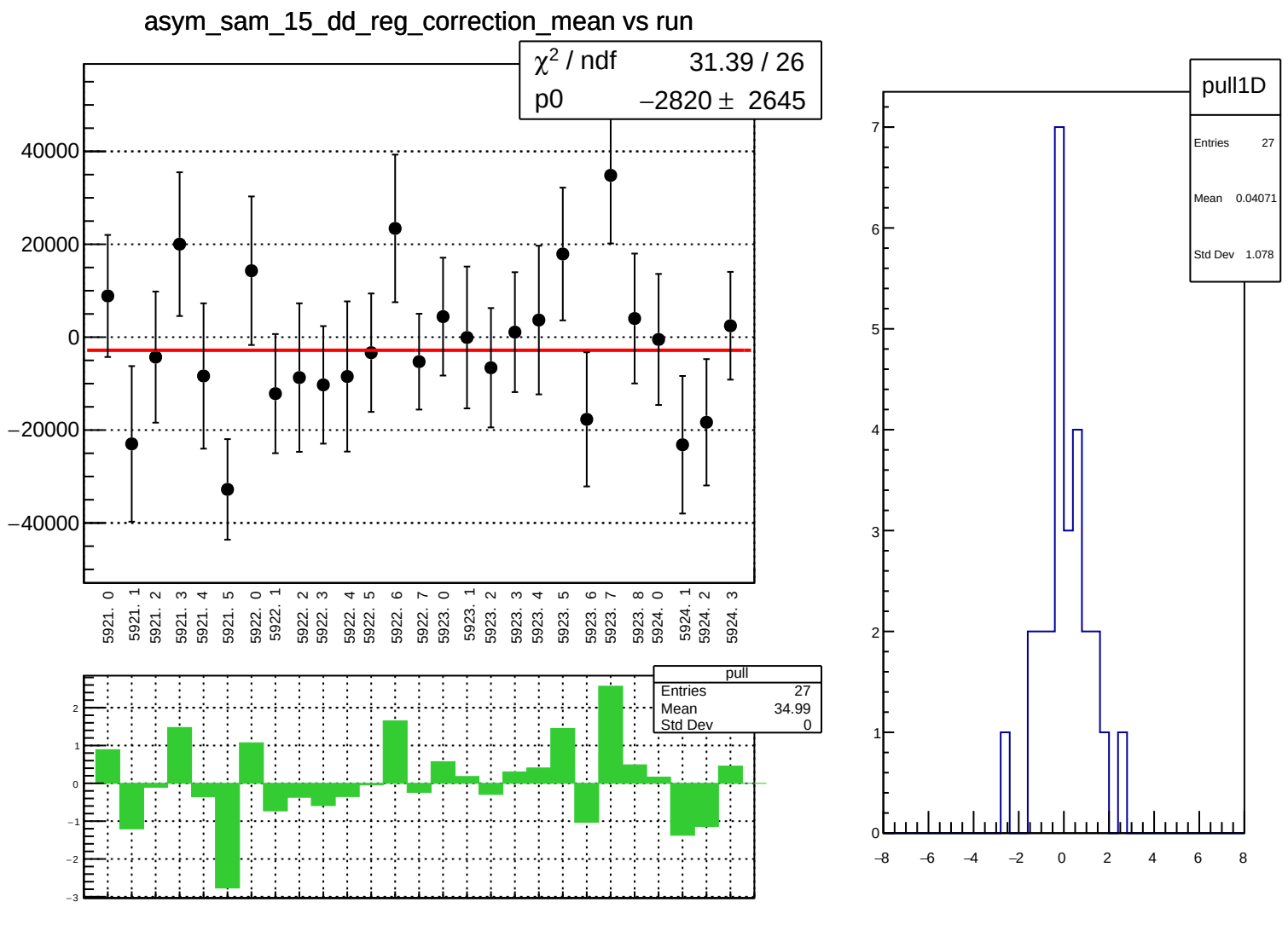

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.829e+04 / 26
p0 60.97 ± 0.08632
90
80
70
60
50
40
30
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

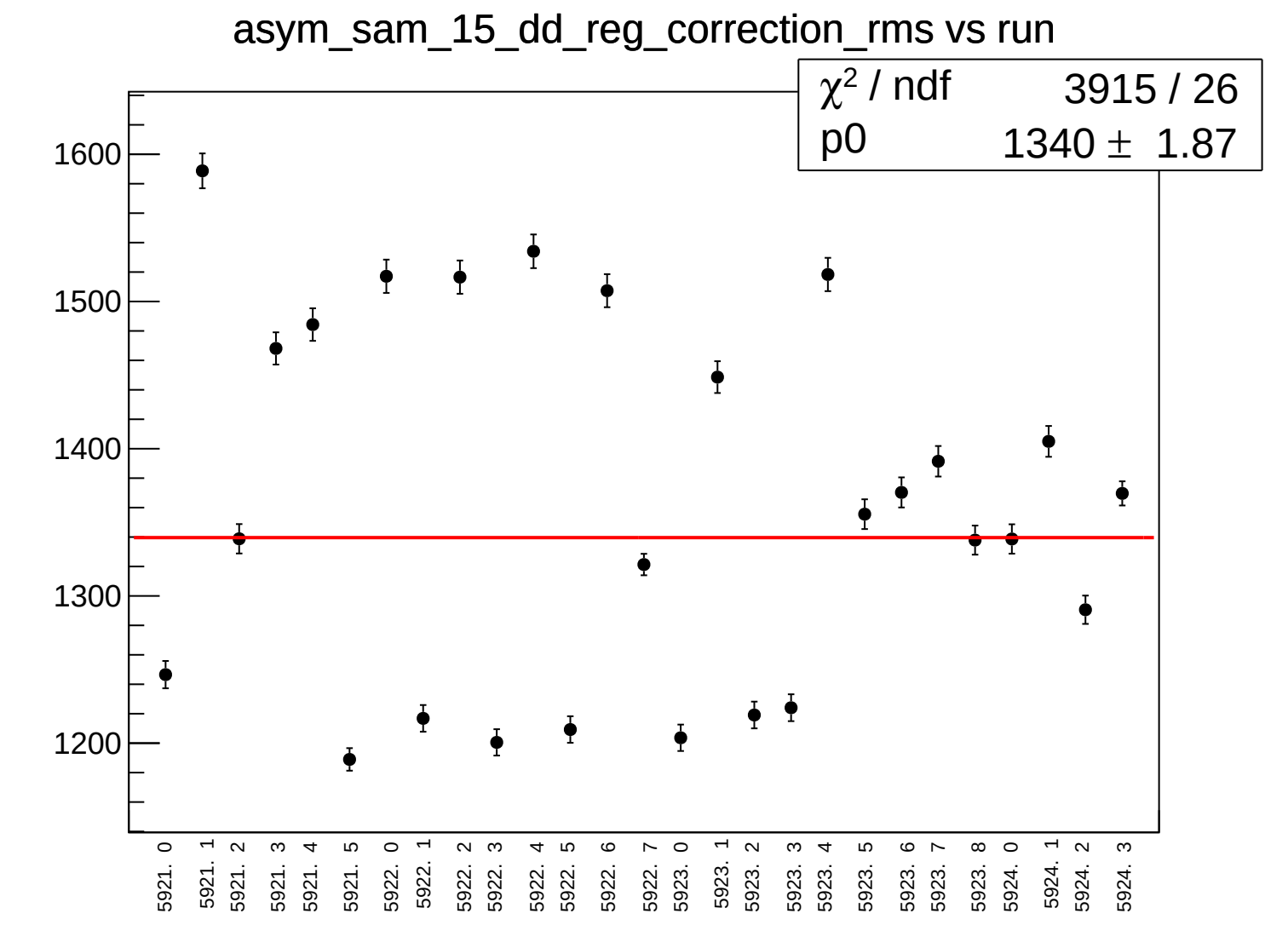

asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 30.38 / 26
p0 −2.29e−13 ± 1.965e−13
8
6
4
2
0
−2
−4
−6
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 27.21
Std Dev 4.926
3
2
1
0
−1
−2
pull1D
Entries 27
Mean −0.01441
Std Dev 1.061
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

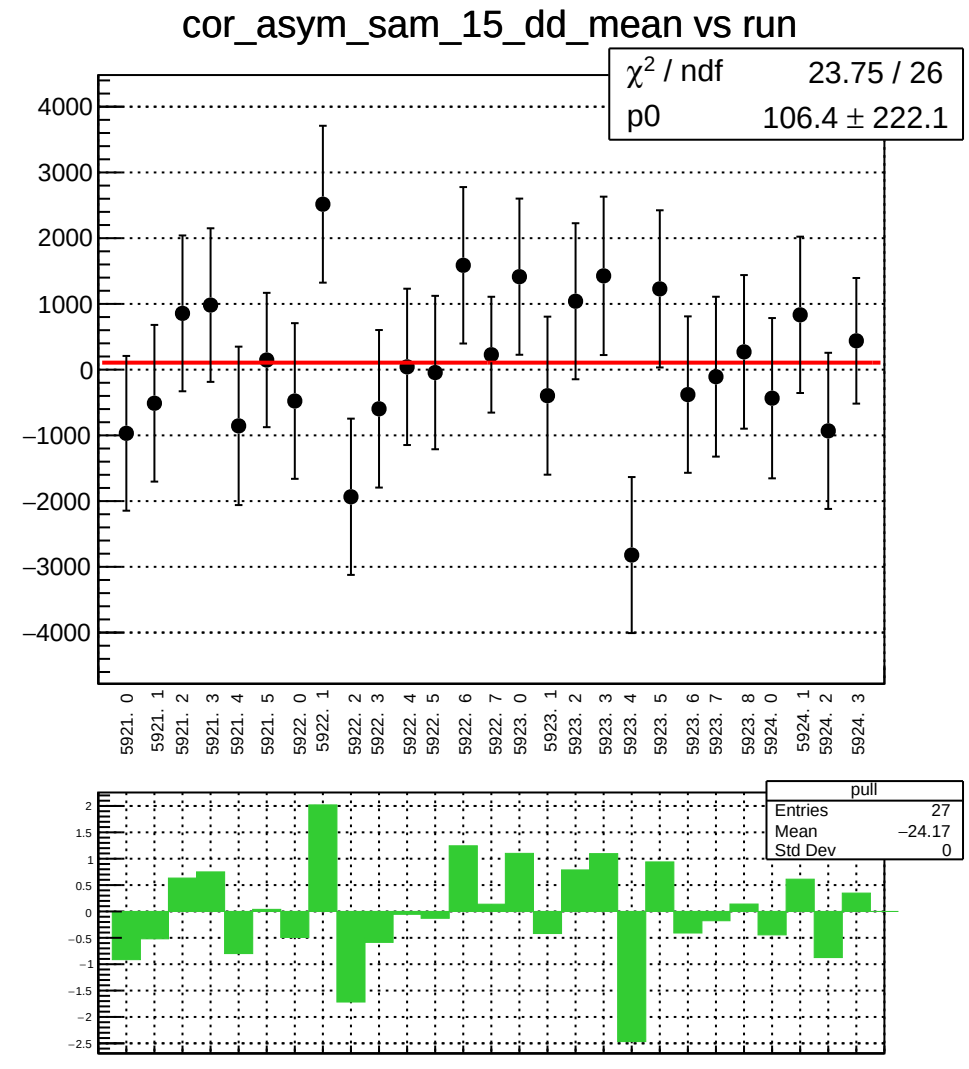

asym_sam_48_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 8.684e+04 / 26
p0 9.116e−11 ± 1.39e−13
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

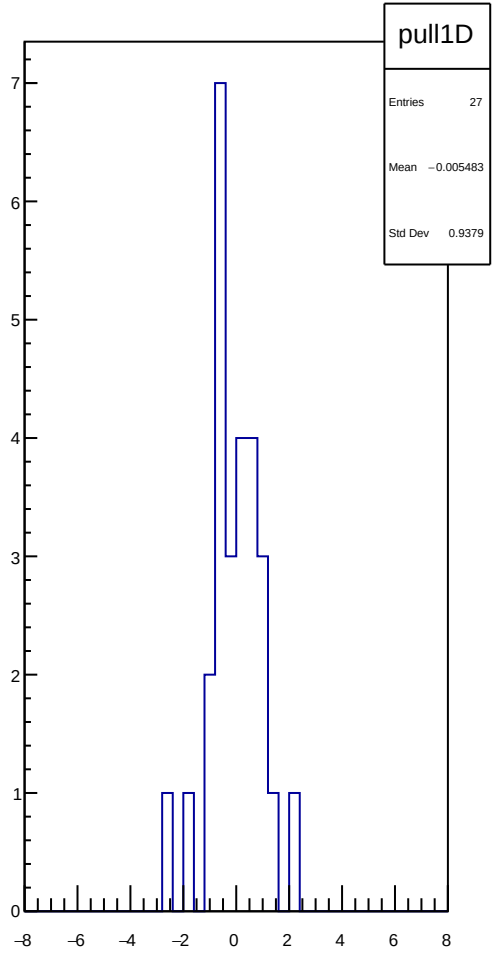

reg_asym_sam_15_dd_mean vs run
χ² / ndf 23.75 / 26
p0 106.5 ± 222.1
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −24.21
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean −0.005482
Std Dev 0.9378
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

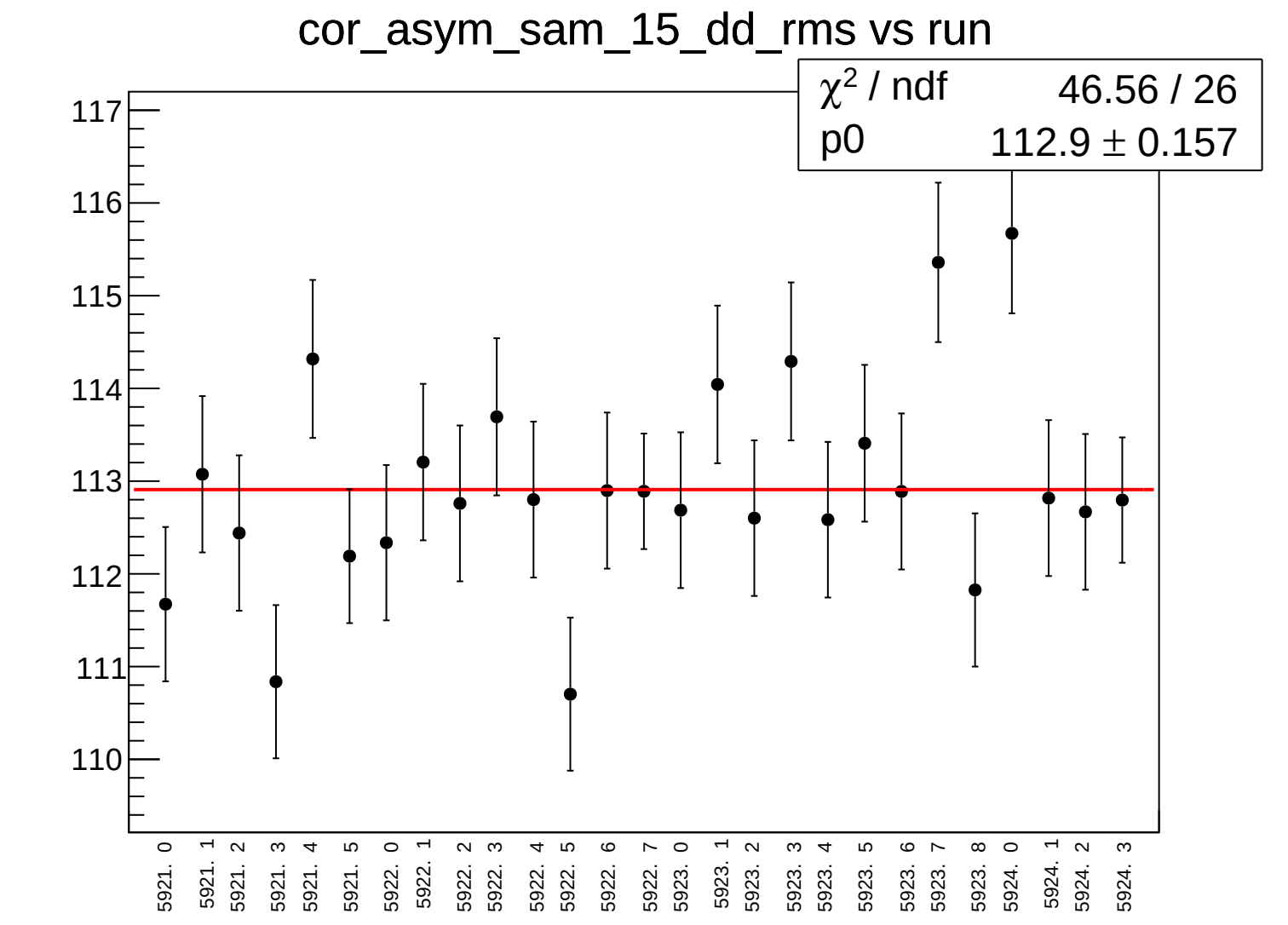

reg_asym_sam_15_dd_rms vs run
χ² / ndf 46.56 / 26
p0 112.9 ± 0.157
117
116
115
114
113
112
111
110
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

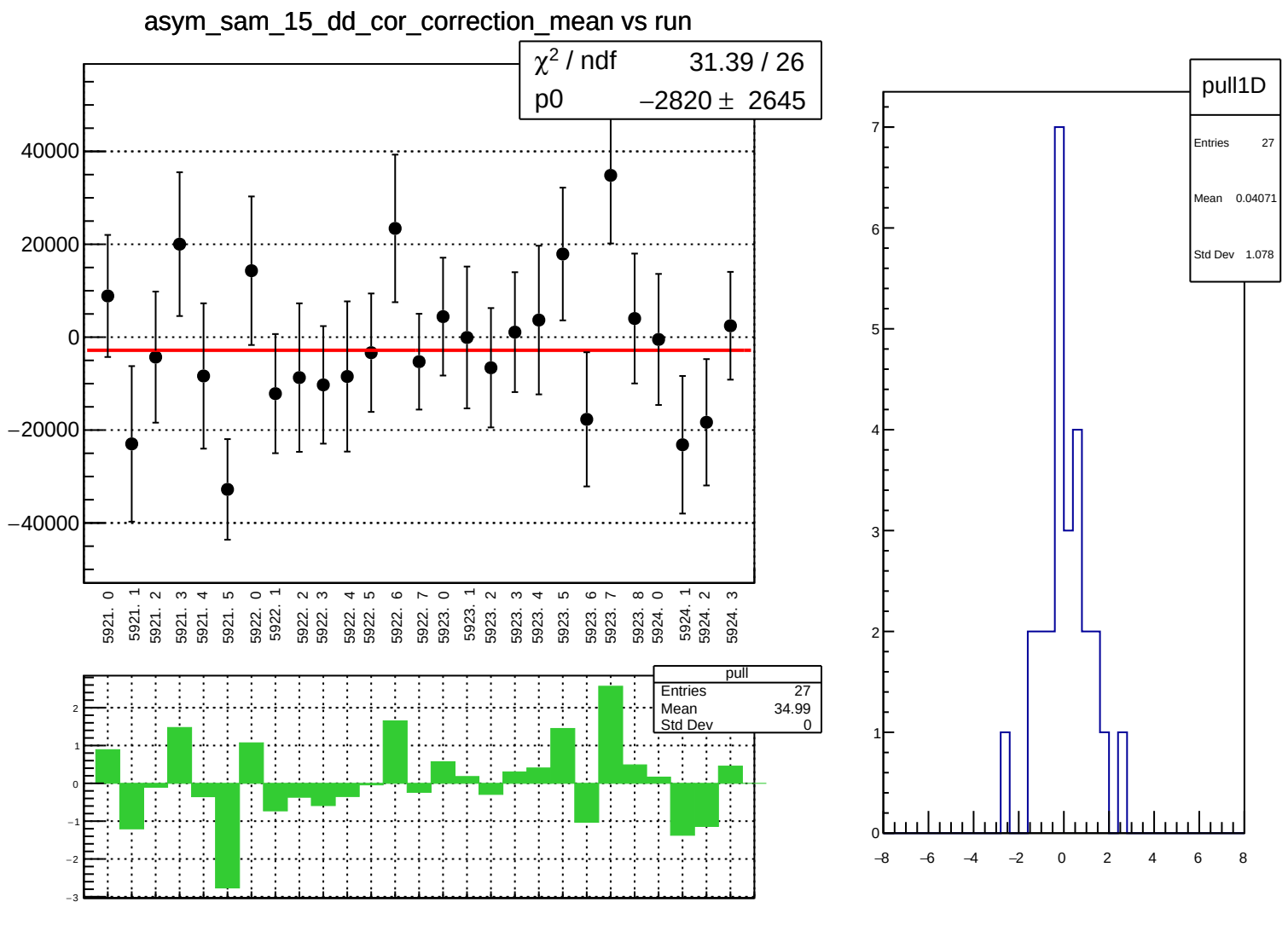

asym_sam_15_dd_reg_correction_mean vs run
χ² / ndf 31.39 / 26
p0 −2820 ± 2645
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 34.99
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 27
Mean 0.04071
Std Dev 1.078
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

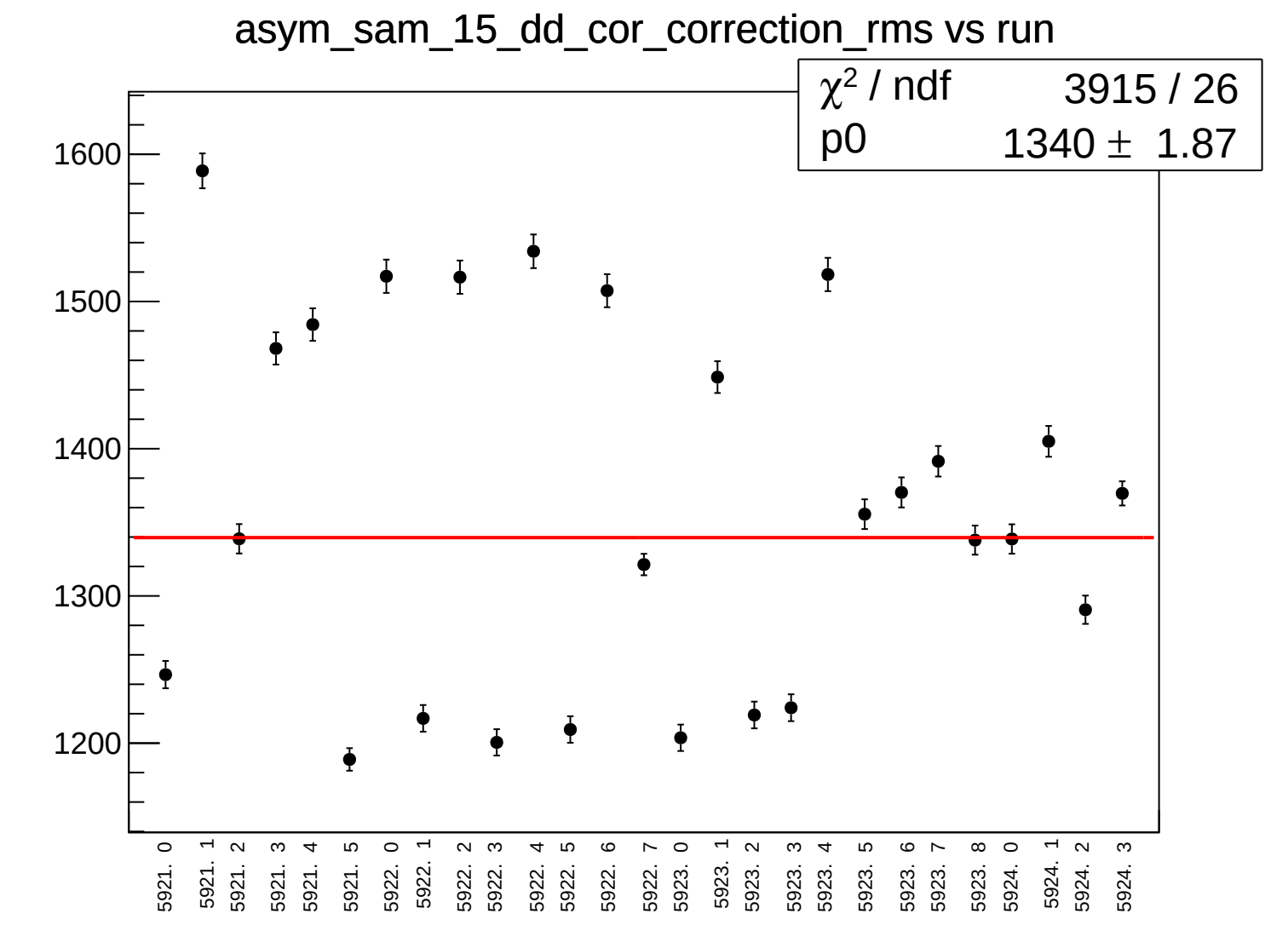

asym_sam_15_dd_reg_correction_rms vs run
χ² / ndf 3915 / 26
p0 1340 ± 1.87
1600
1500
1400
1300
1200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

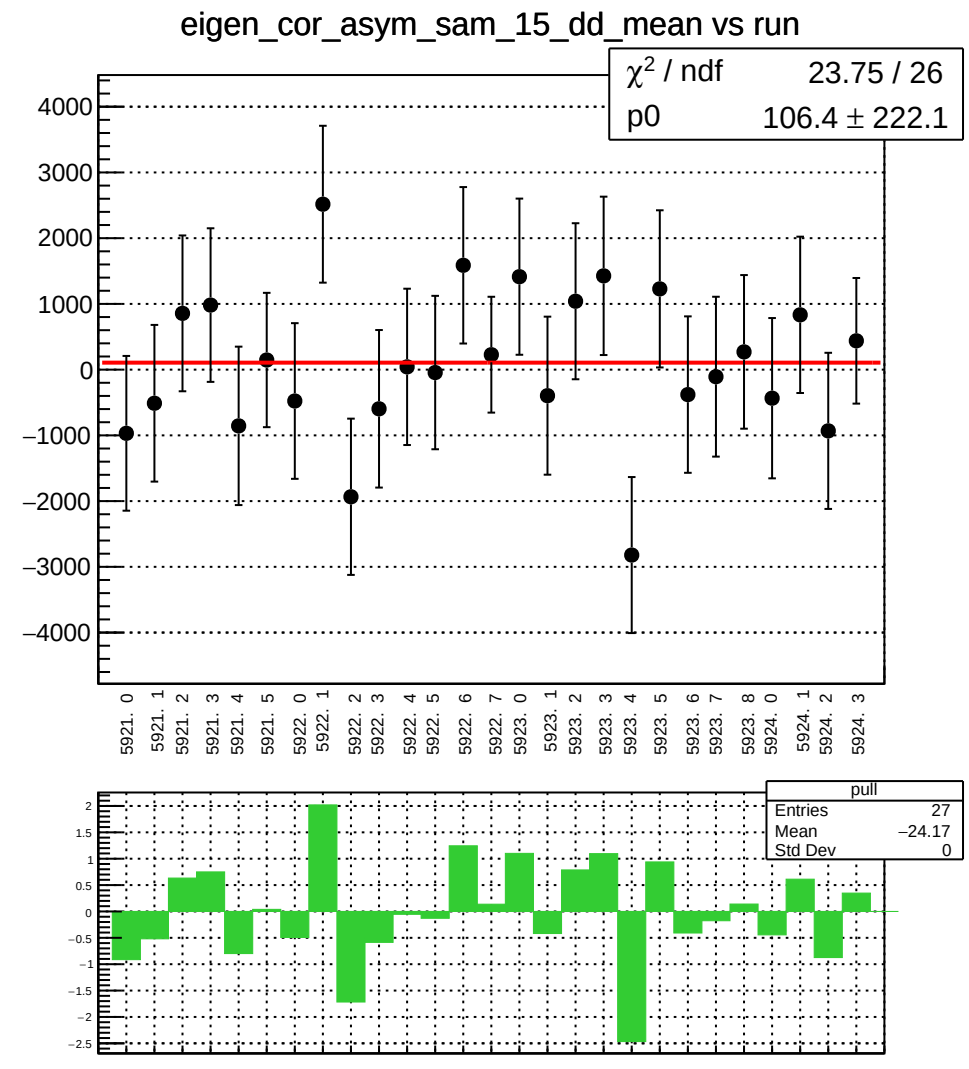

cor_asym_sam_15_dd_mean vs run
χ² / ndf 23.75 / 26
p0 106.4 ± 222.1
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −24.17
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

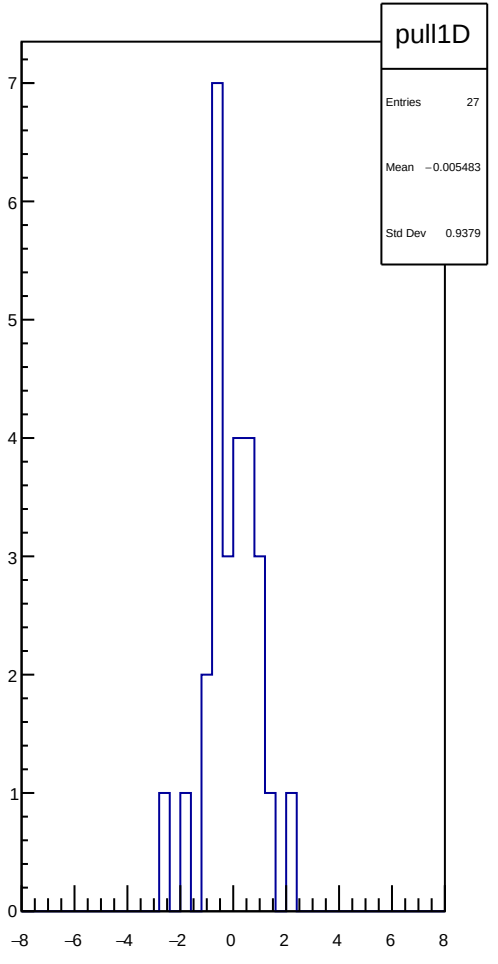

pull1D
Entries 27
Mean −0.005483
Std Dev 0.9379
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

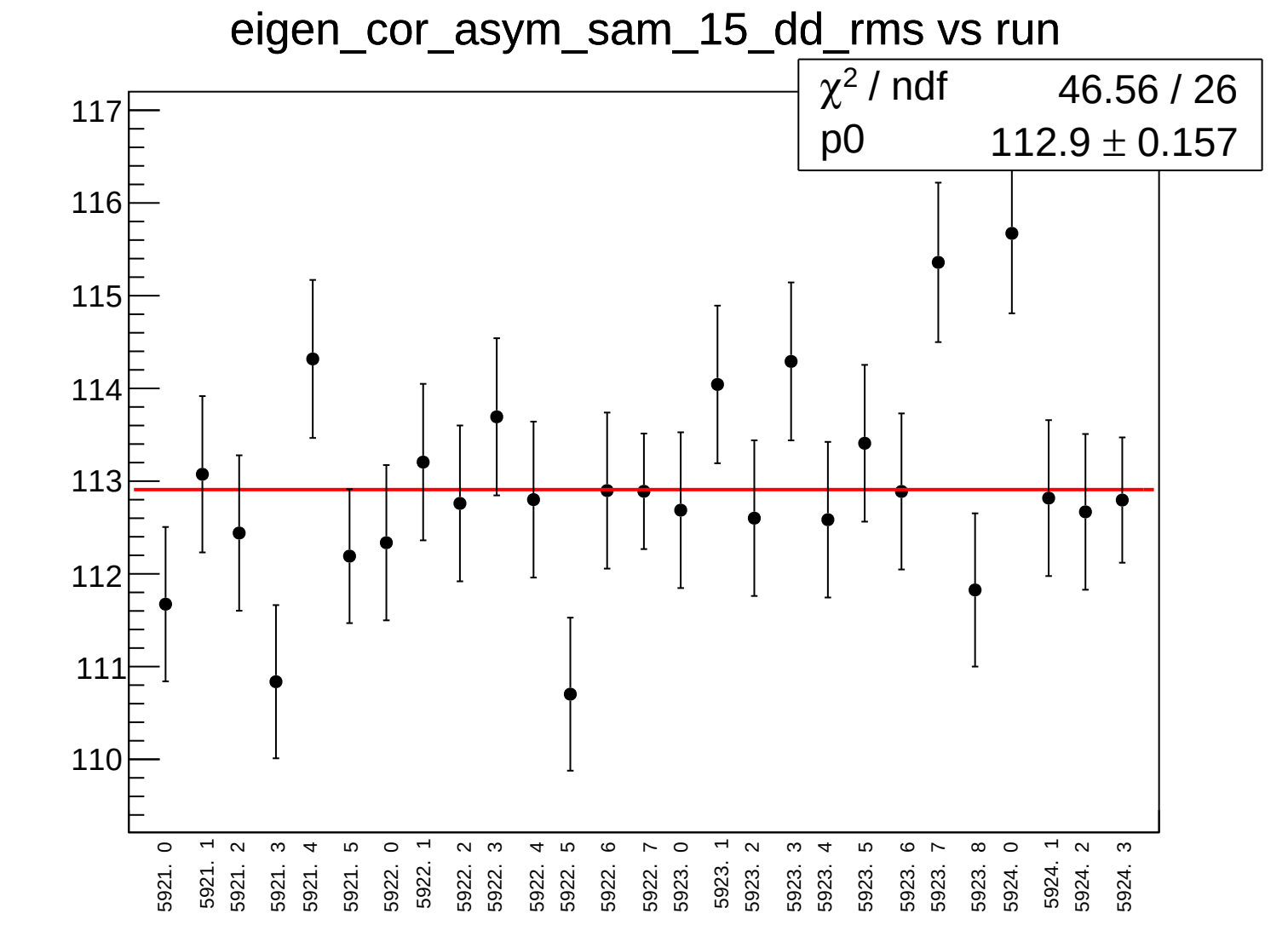

cor_asym_sam_15_dd_rms vs run
χ^2 / ndf 46.56 / 26
p0 112.9 ± 0.157
117
116
115
114
113
112
111
110
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

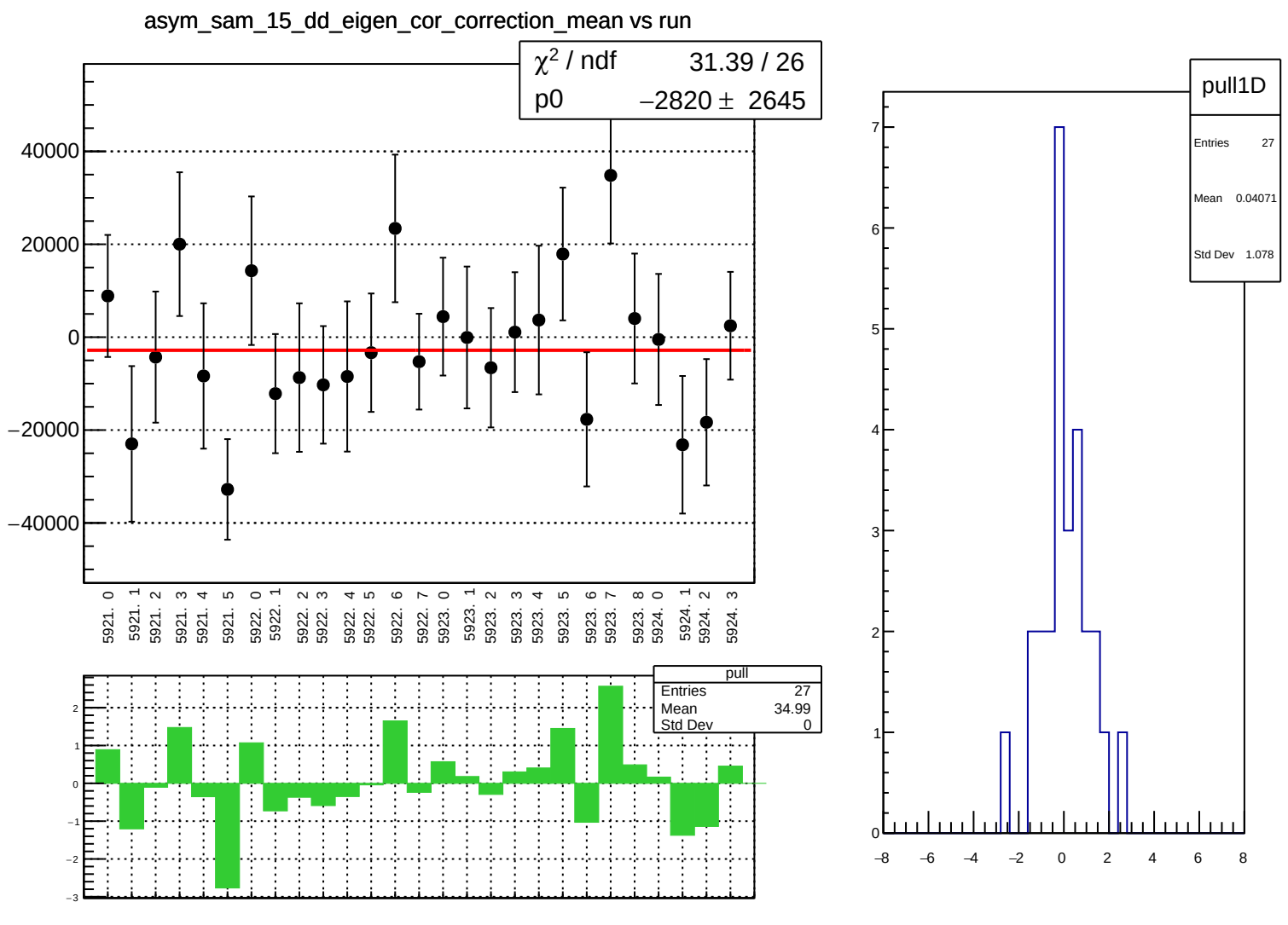

asym_sam_15_dd_cor_correction_mean vs run
χ² / ndf 31.39 / 26
p0 −2820 ± 2645
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 34.99
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 27
Mean 0.04071
Std Dev 1.078
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

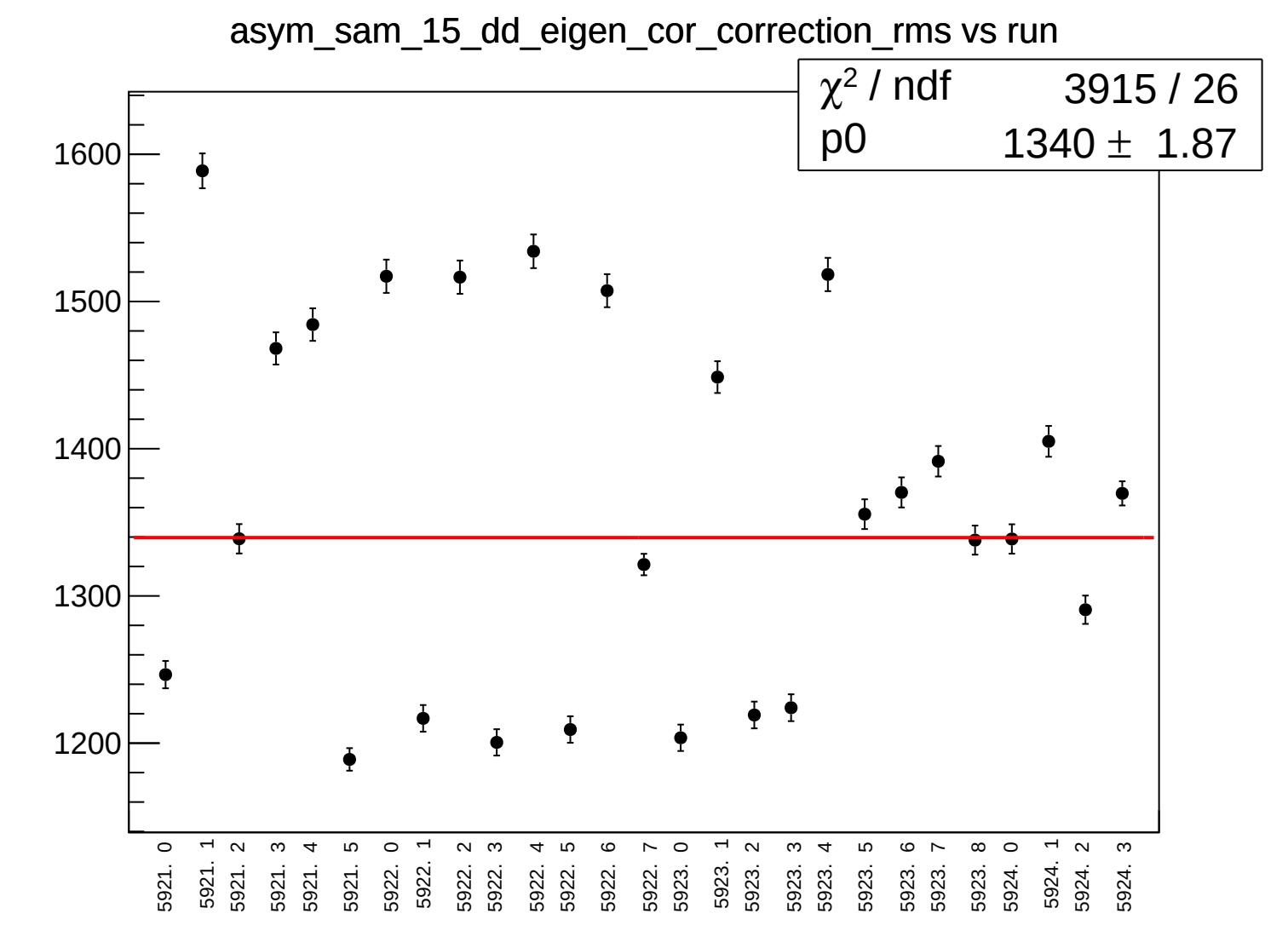

asym_sam_15_dd_cor_correction_rms vs run
χ² / ndf 3915 / 26
p0 1340 ± 1.87
1600
1500
1400
1300
1200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

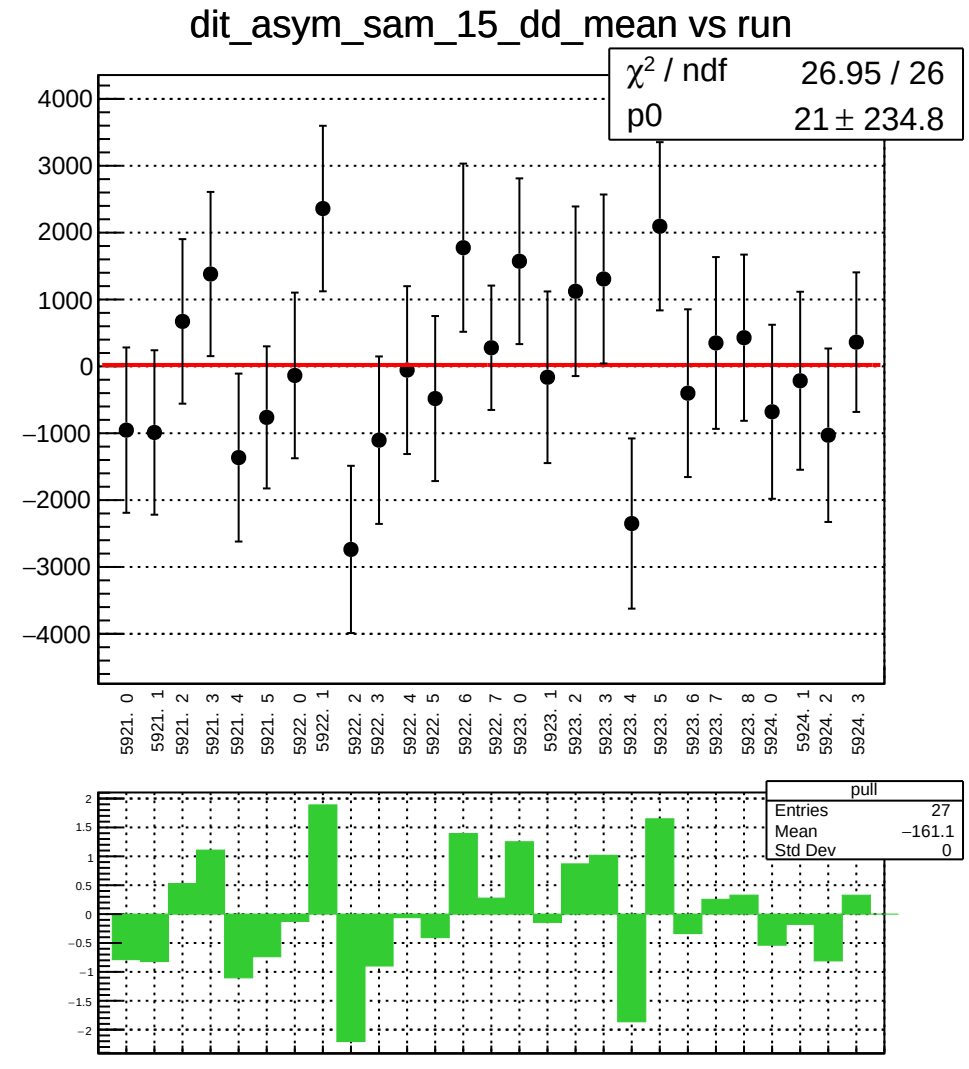

eigen_cor_asym_sam_15_dd_mean vs run
χ² / ndf 23.75 / 26
p0 106.4 ± 222.1
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −24.17
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

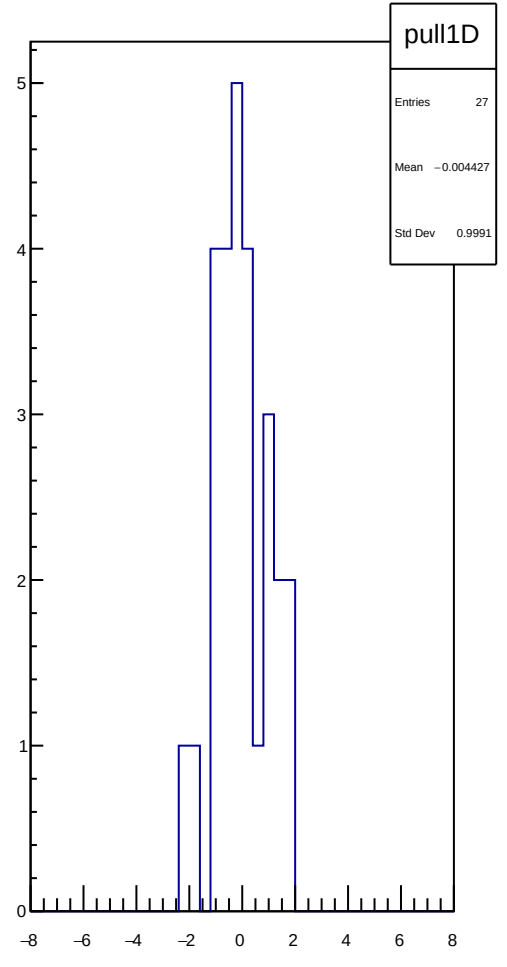

pull1D
Entries 27
Mean −0.005483
Std Dev 0.9379
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

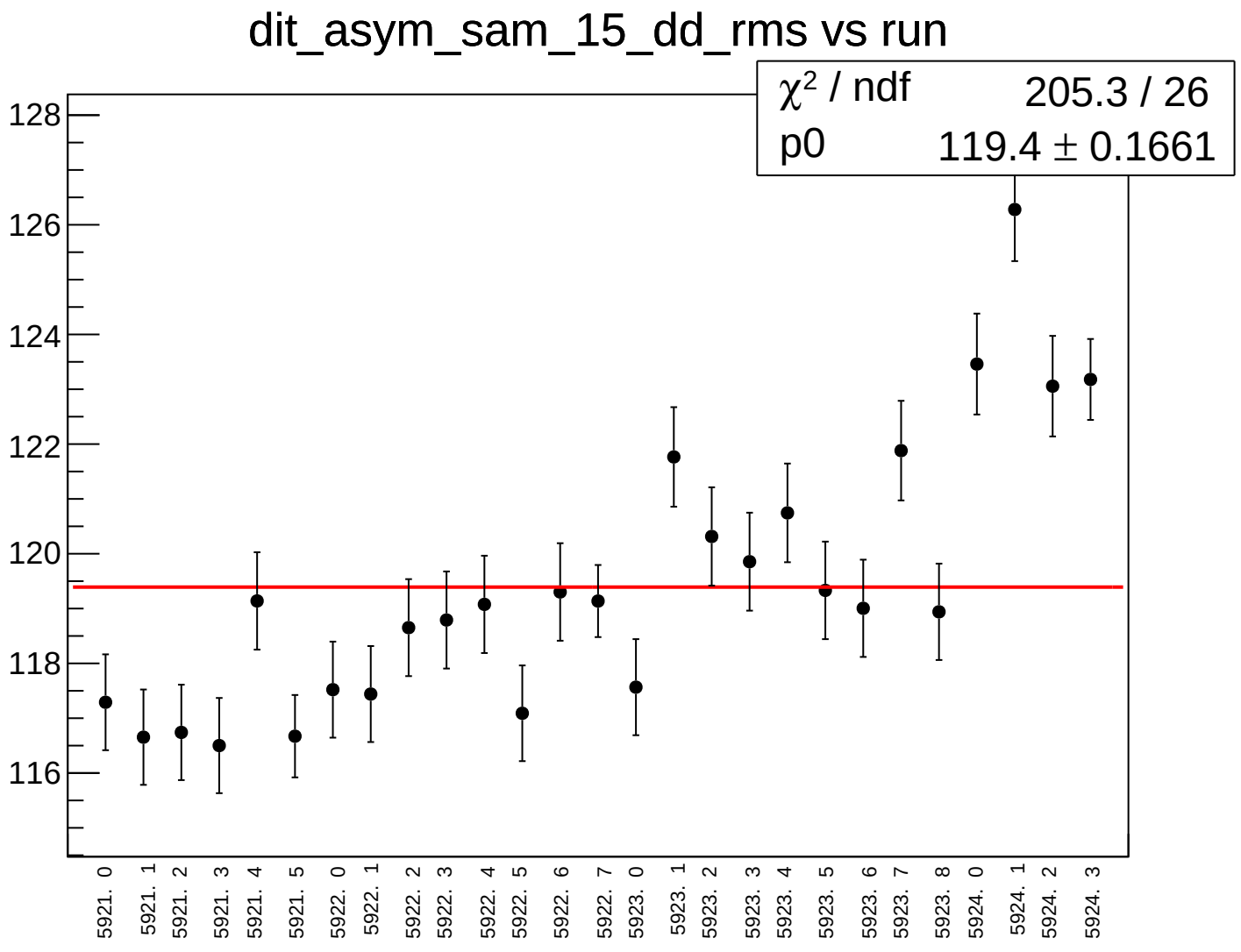

eigen_cor_asym_sam_15_dd_rms vs run
χ² / ndf 46.56 / 26
p0 112.9 ± 0.157
117
116
115
114
113
112
111
110
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

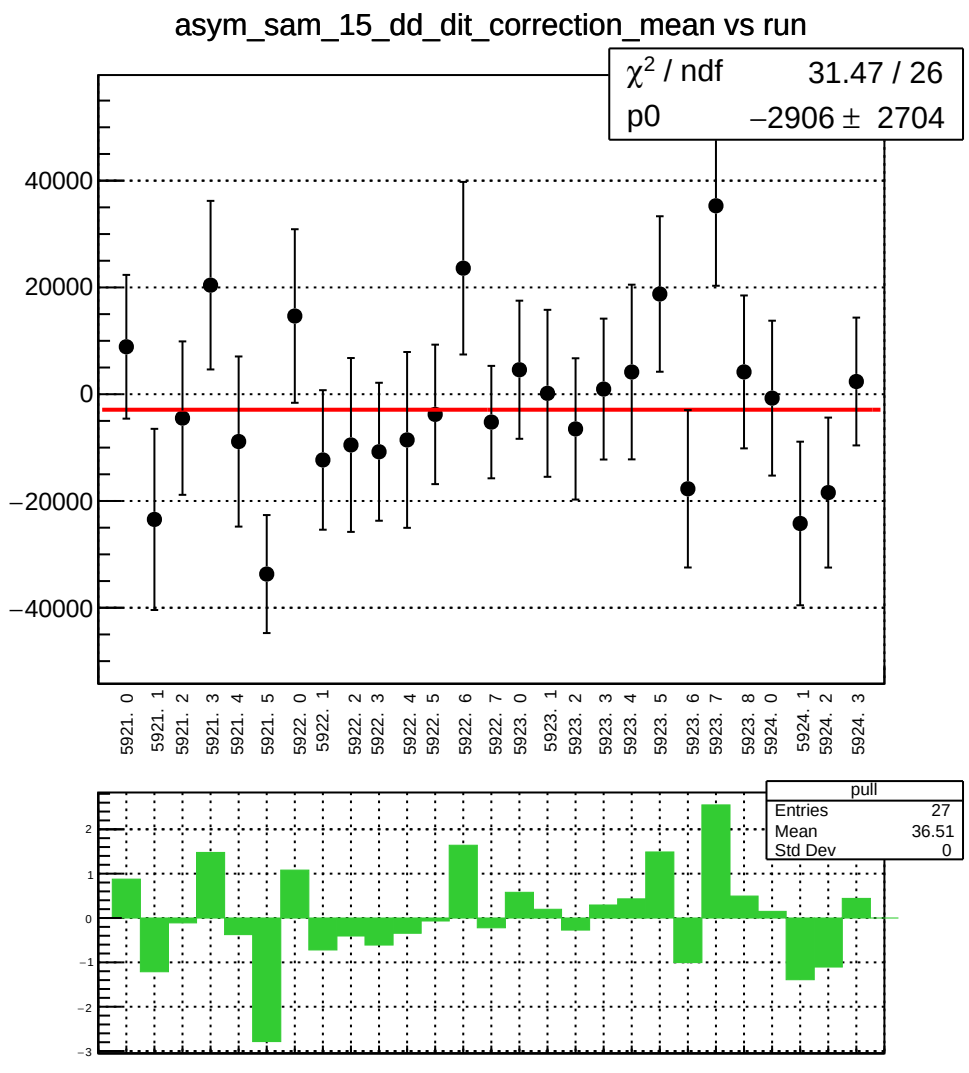

asym_sam_15_dd_eigen_cor_correction_mean vs run
χ² / ndf 31.39 / 26
p0 −2820 ± 2645
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 34.99
Std Dev 0
pull1D
Entries 27
Mean 0.04071
Std Dev 1.078

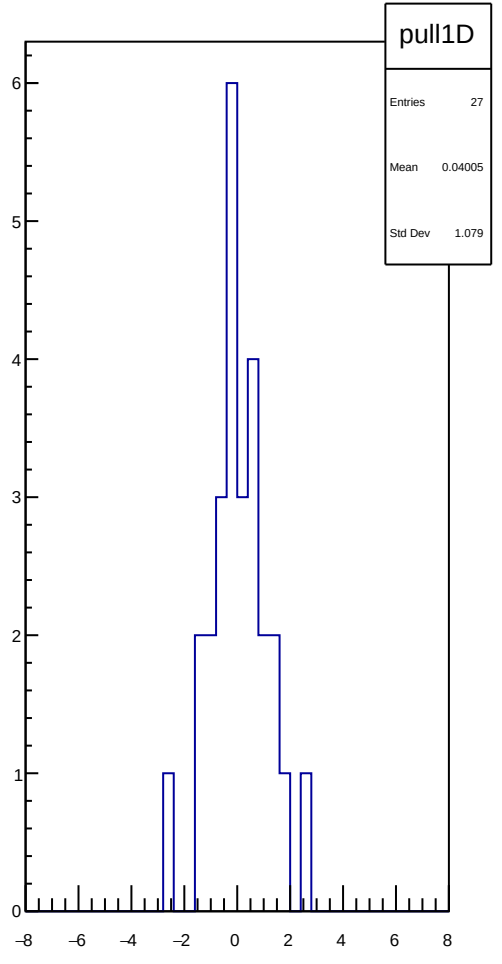

asym_sam_15_dd_eigen_cor_correction_rms vs run
χ² / ndf 3915 / 26
p0 1340 ± 1.87
1600
1500
1400
1300
1200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

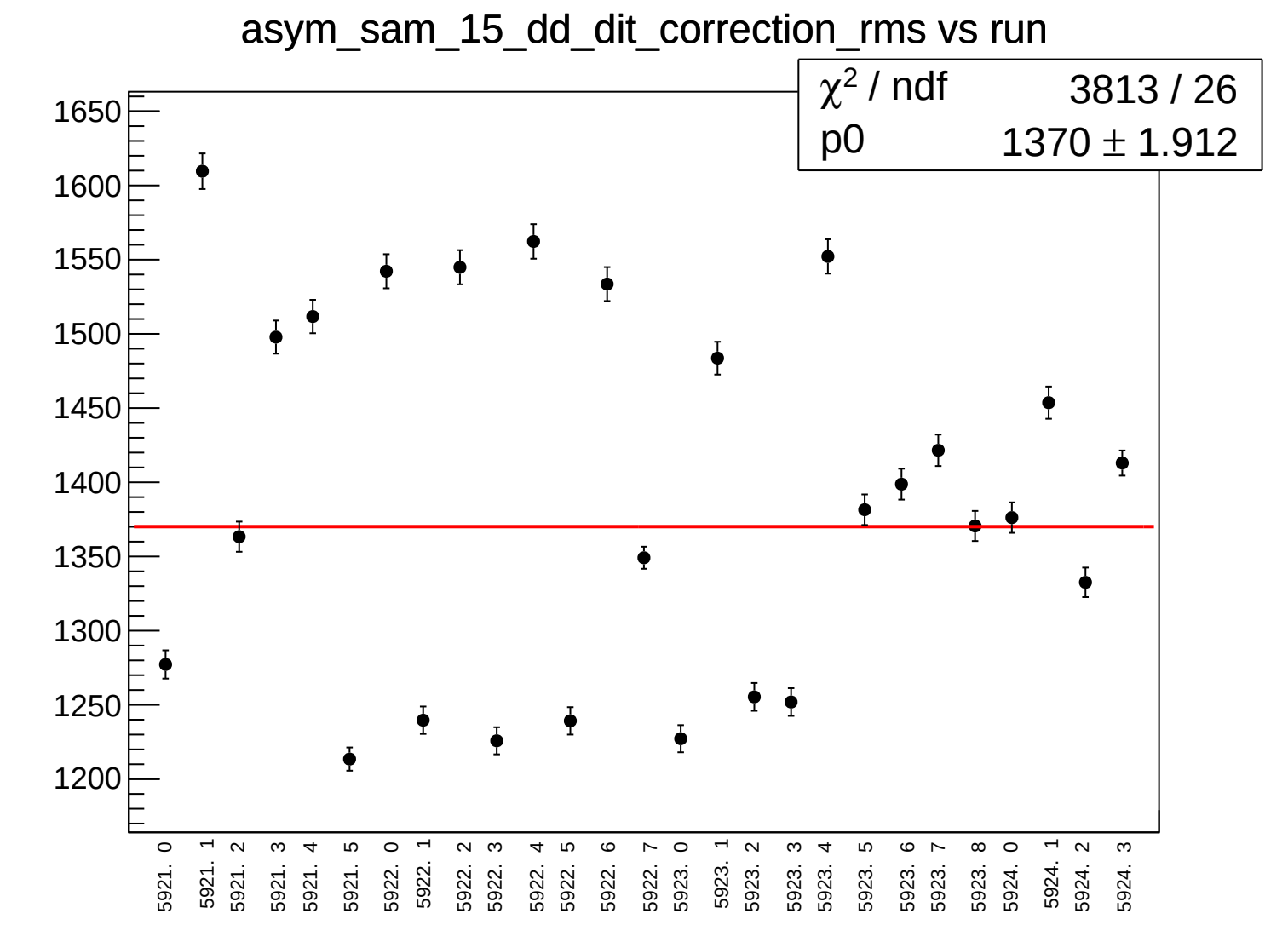

dit_asym_sam_15_dd_mean vs run
χ² / ndf 26.95 / 26
p0 21 ± 234.8
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −161.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

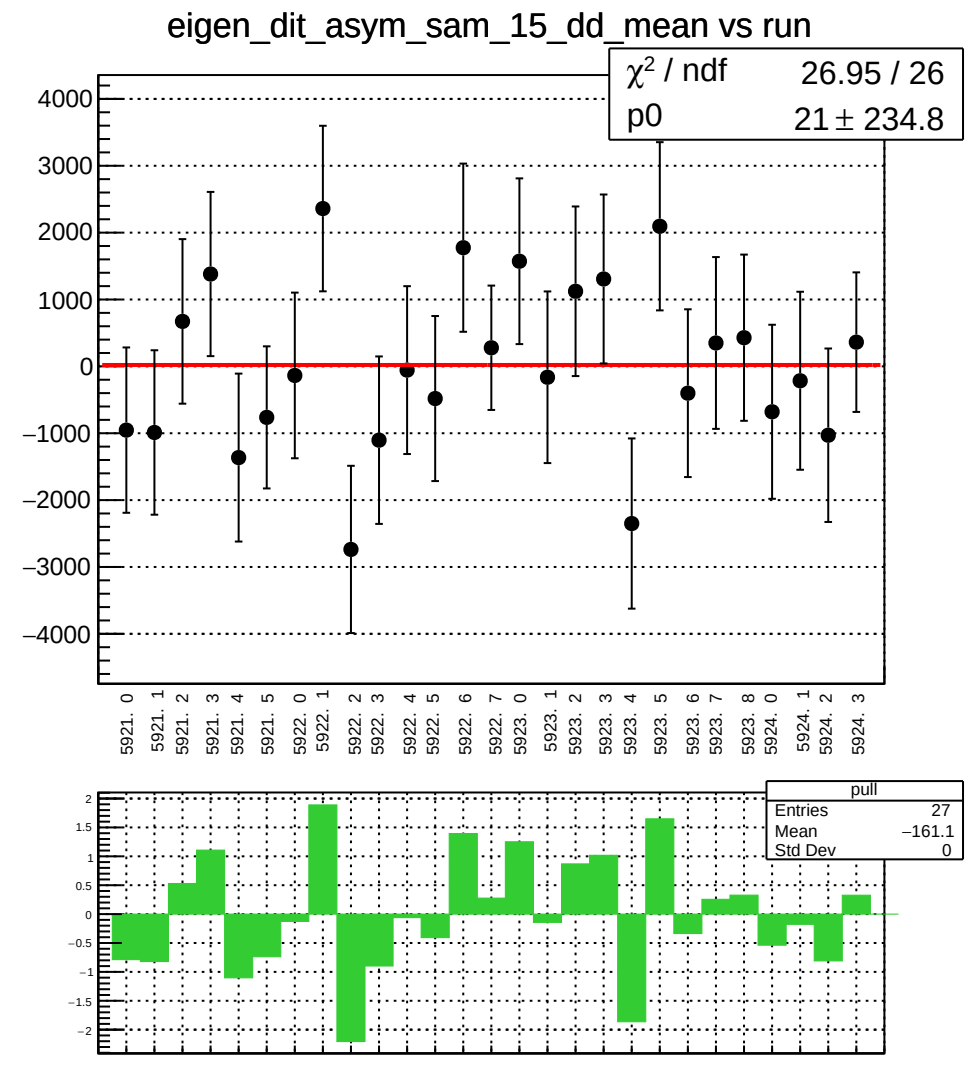

pull1D
Entries 27
Mean −0.004427
Std Dev 0.9991
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

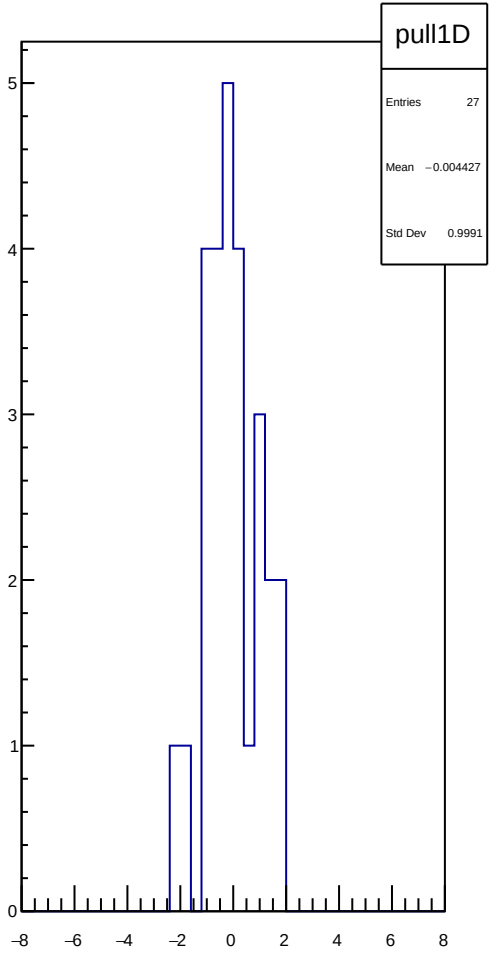

dit_asym_sam_15_dd_rms vs run
χ² / ndf 205.3 / 26
p0 119.4 ± 0.1661
128
126
124
122
120
118
116
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

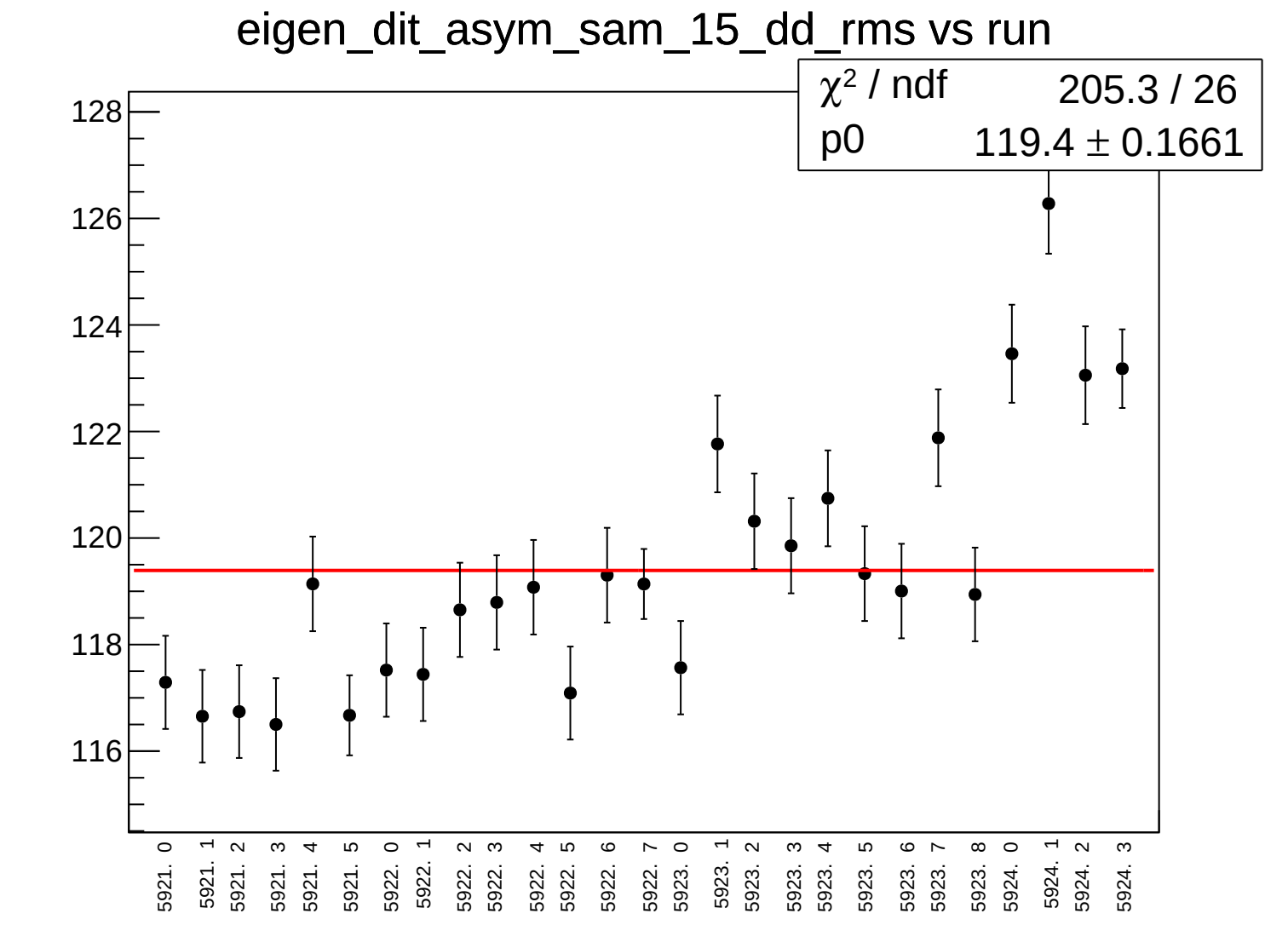

asym_sam_15_dd_dit_correction_mean vs run
χ² / ndf 31.47 / 26
p0 −2906 ± 2704
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 36.51
Std Dev 0
2
1
0
−1
−2
−3

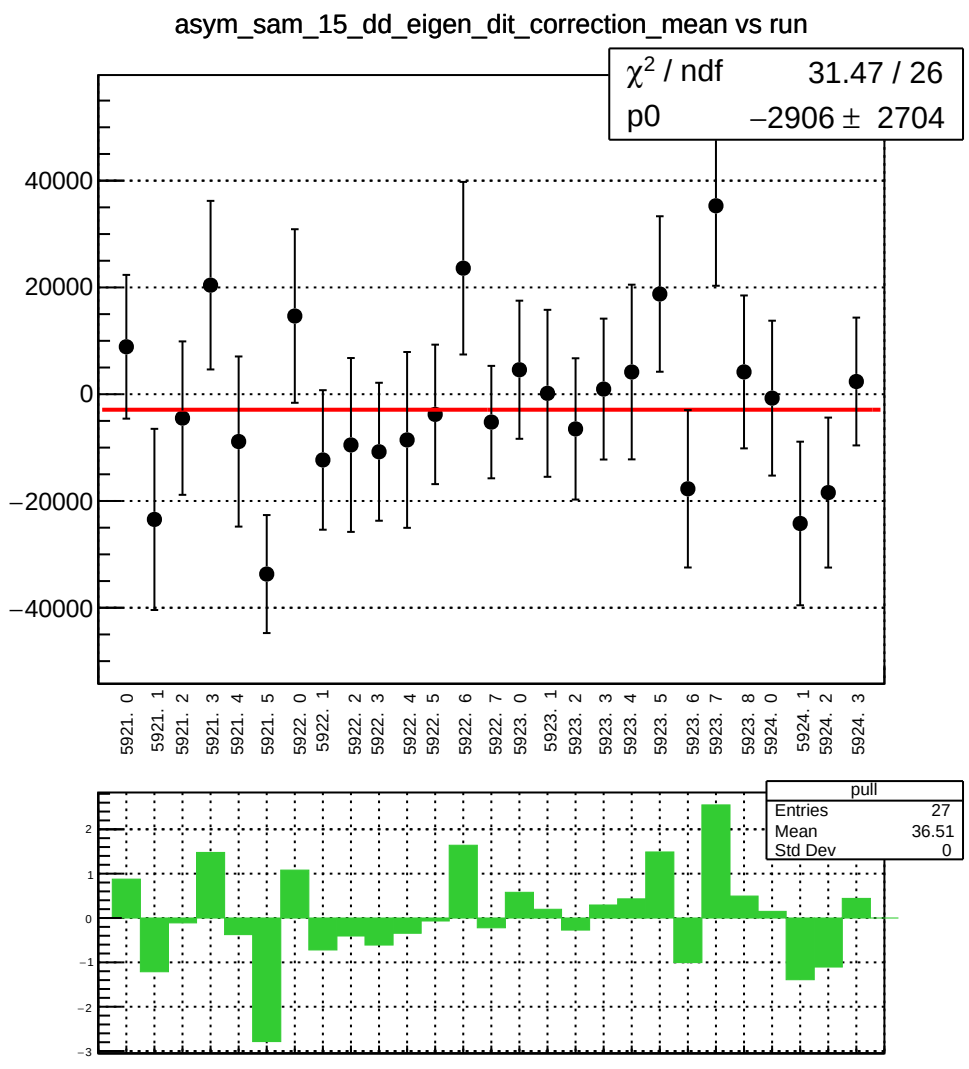

pull1D
Entries 27
Mean 0.04005
Std Dev 1.079
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

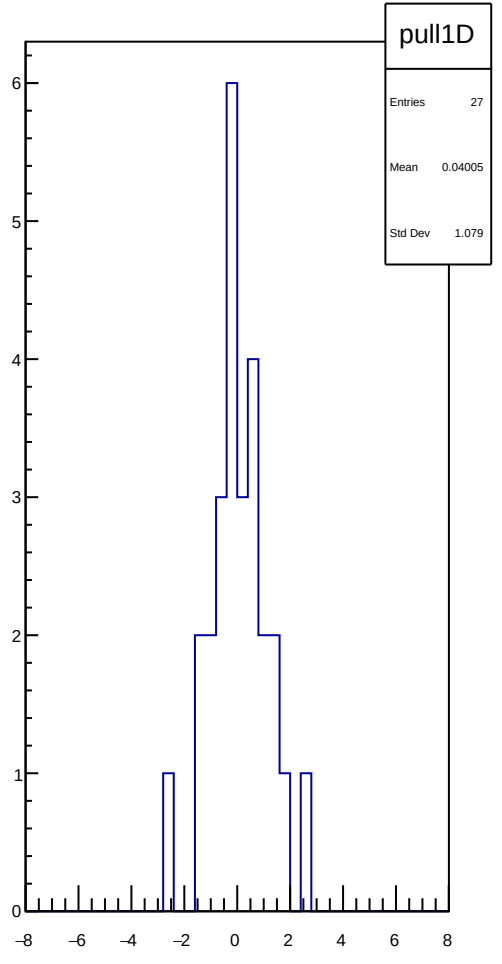

asym_sam_15_dd_dit_correction_rms vs run
χ² / ndf 3813 / 26
p0 1370 ± 1.912
1650
1600
1550
1500
1450
1400
1350
1300
1250
1200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

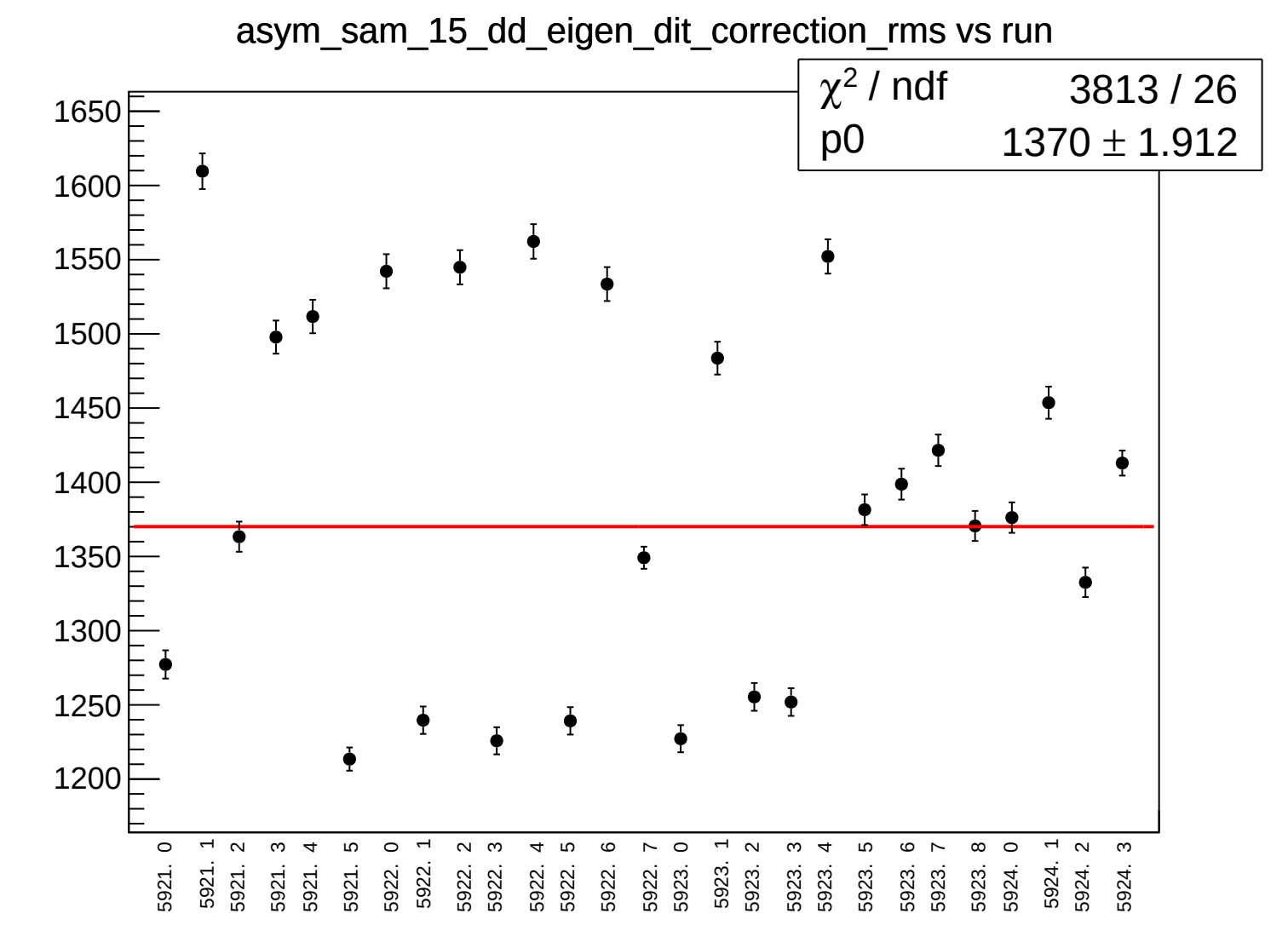

eigen_dit_asym_sam_15_dd_mean vs run
χ² / ndf 26.95 / 26
p0 21 ± 234.8
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −161.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

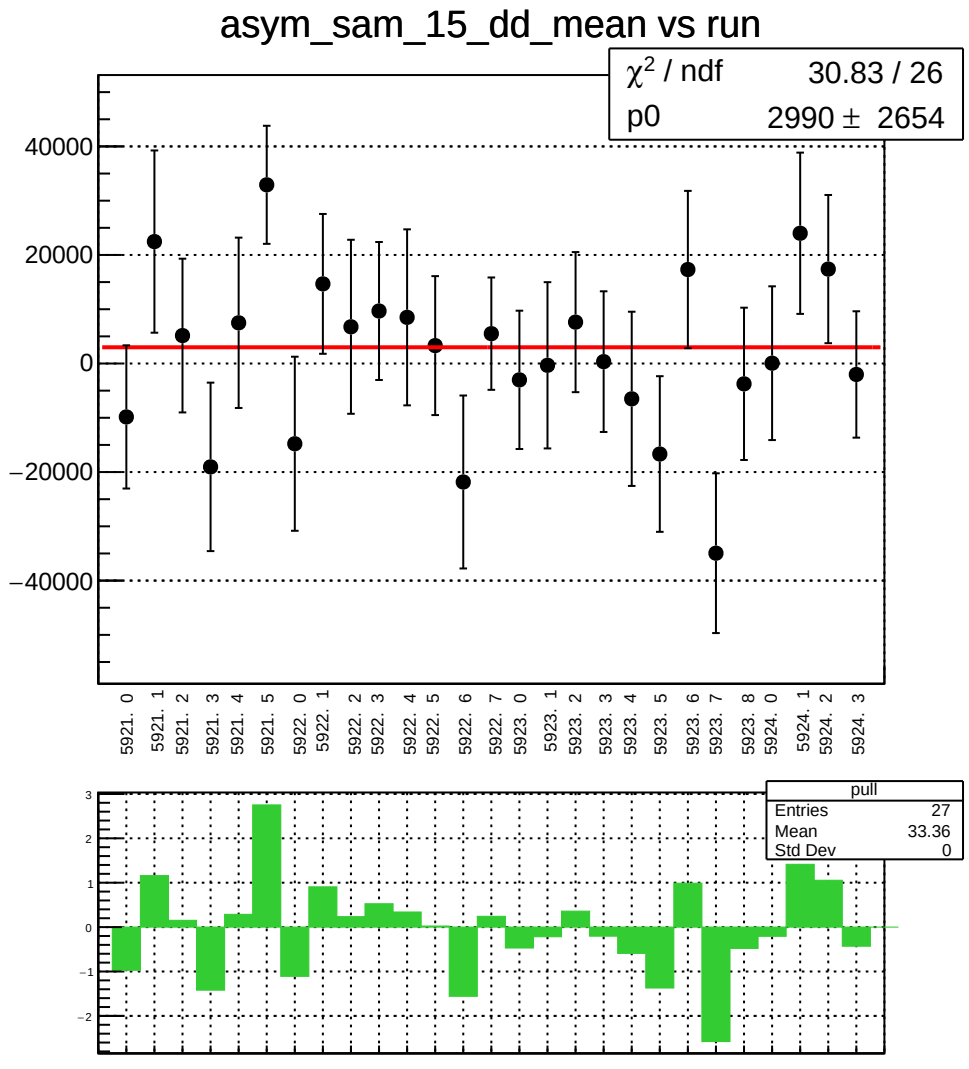

pull1D
Entries 27
Mean −0.004427
Std Dev 0.9991
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

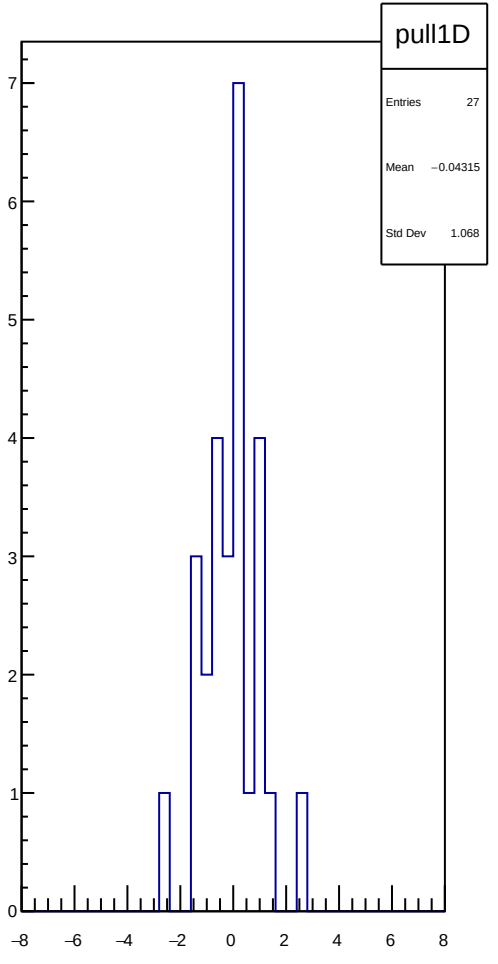

eigen_dit_asym_sam_15_dd_rms vs run
χ² / ndf 205.3 / 26
p0 119.4 ± 0.1661
128
126
124
122
120
118
116
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

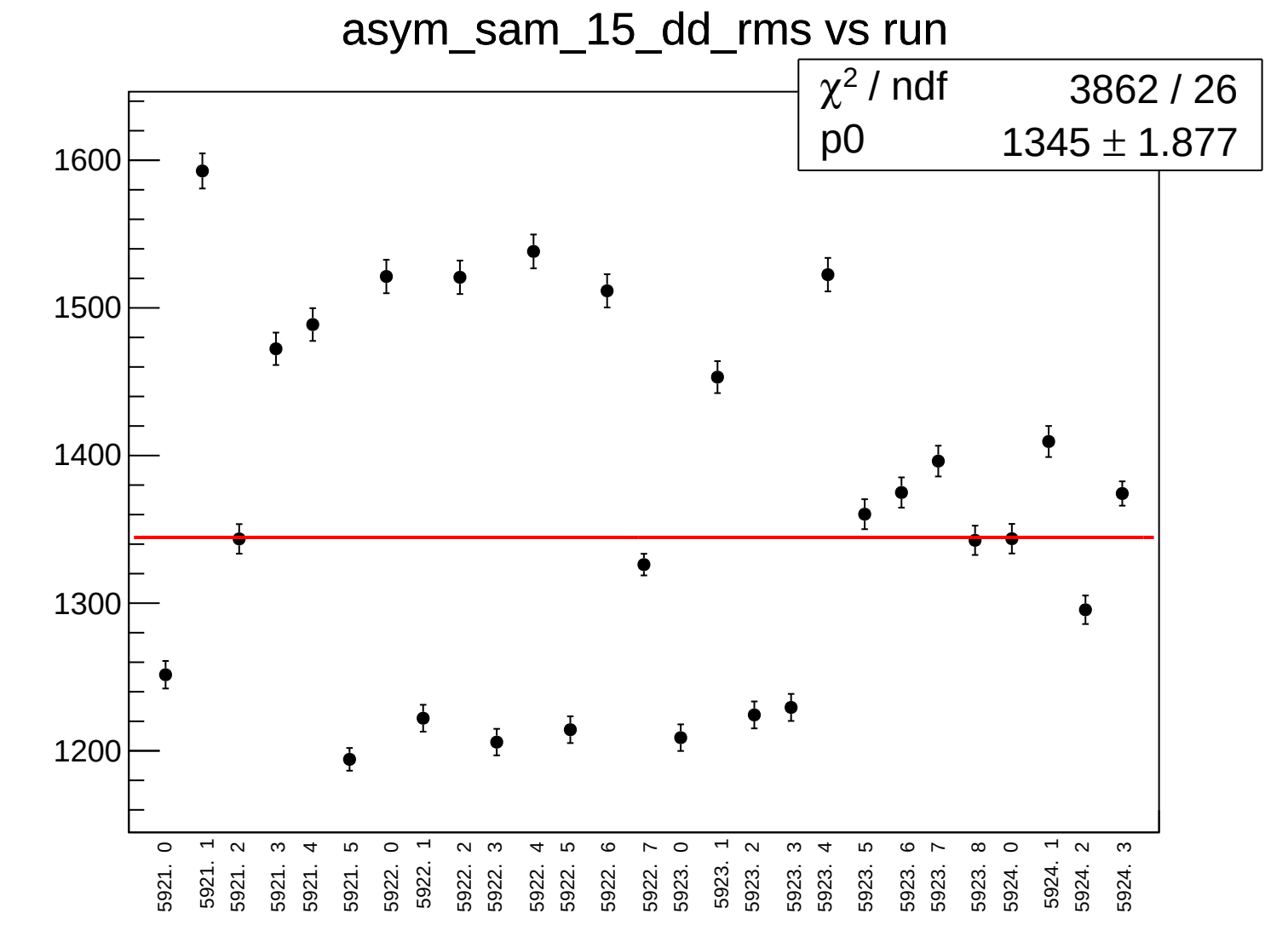

asym_sam_15_dd_eigen_dit_correction_mean vs run
χ² / ndf 31.47 / 26
p0 −2906 ± 2704
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 36.51
Std Dev 0
2
1
0
−1
−2
−3

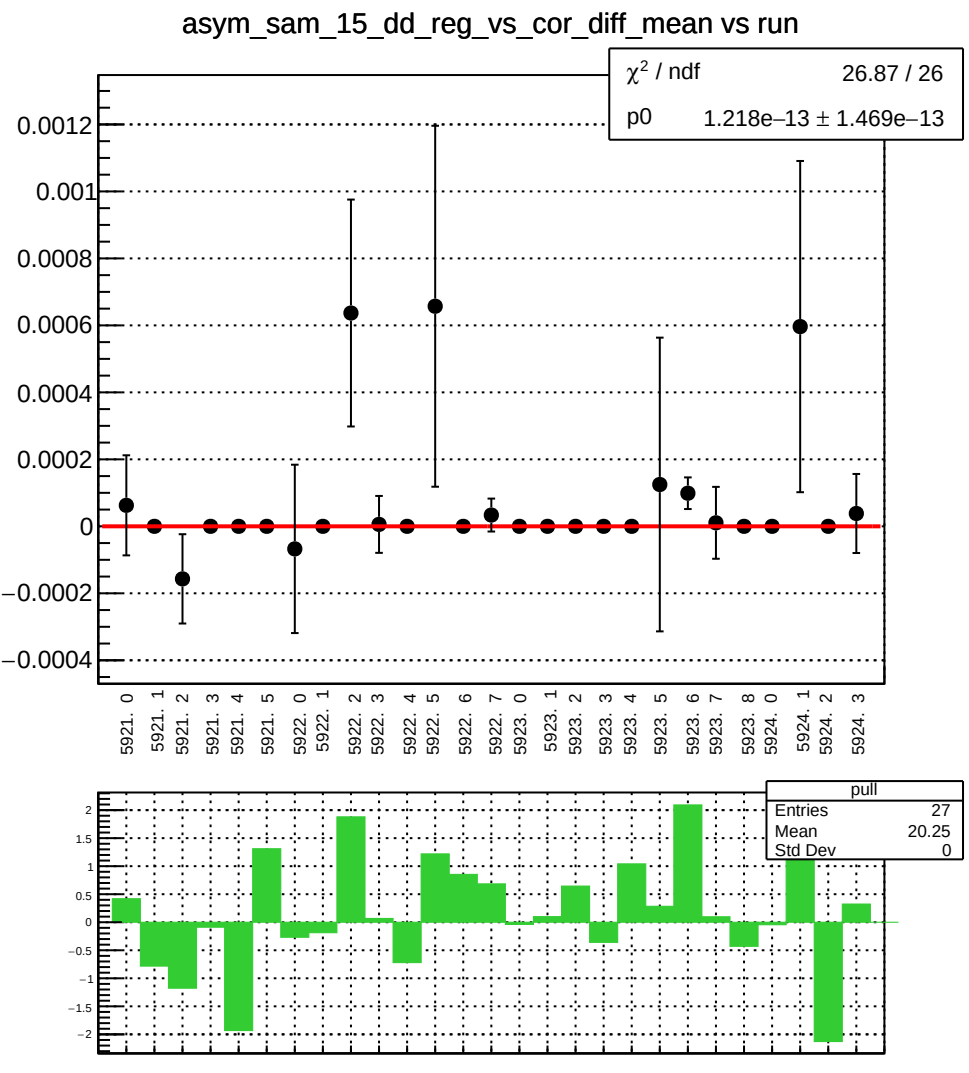

pull1D
Entries 27
Mean 0.04005
Std Dev 1.079
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

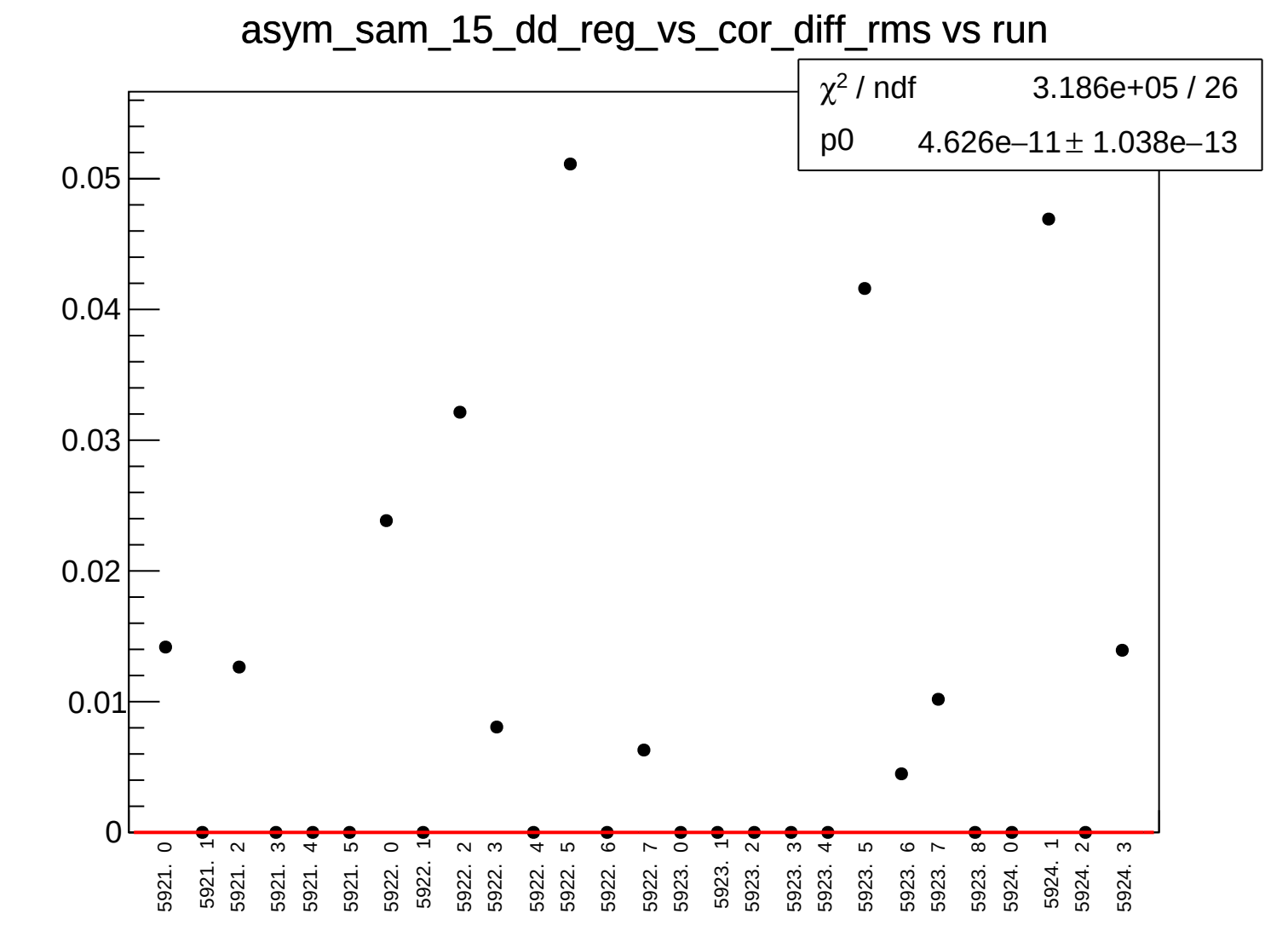

asym_sam_15_dd_eigen_dit_correction_rms vs run
χ² / ndf 3813 / 26
p0 1370 ± 1.912
1650
1600
1550
1500
1450
1400
1350
1300
1250
1200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

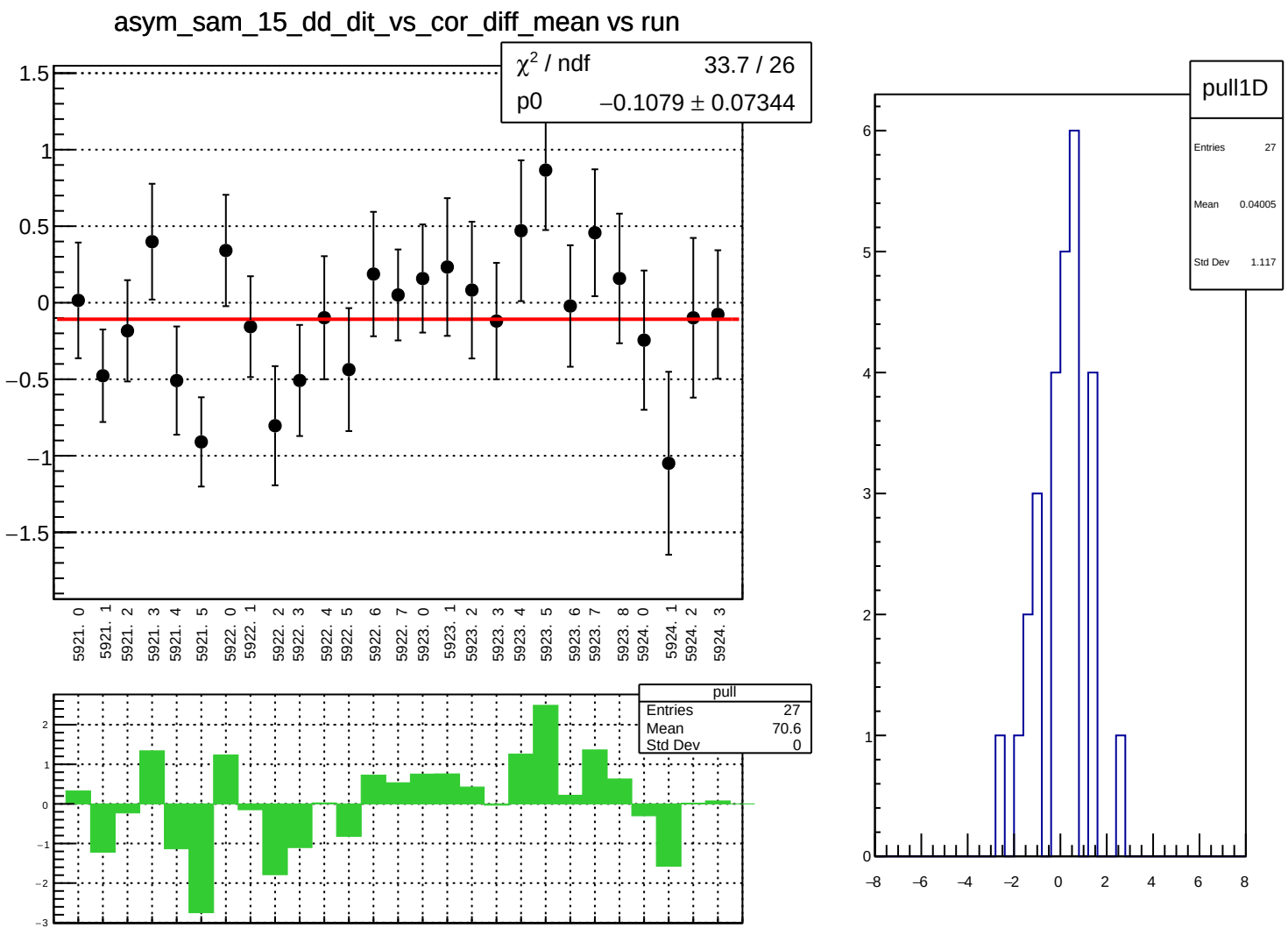

asym_sam_15_dd_mean vs run
χ² / ndf 30.83 / 26
p0 2990 ± 2654
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 33.36
Std Dev 0
3
2
1
0
−1
−2

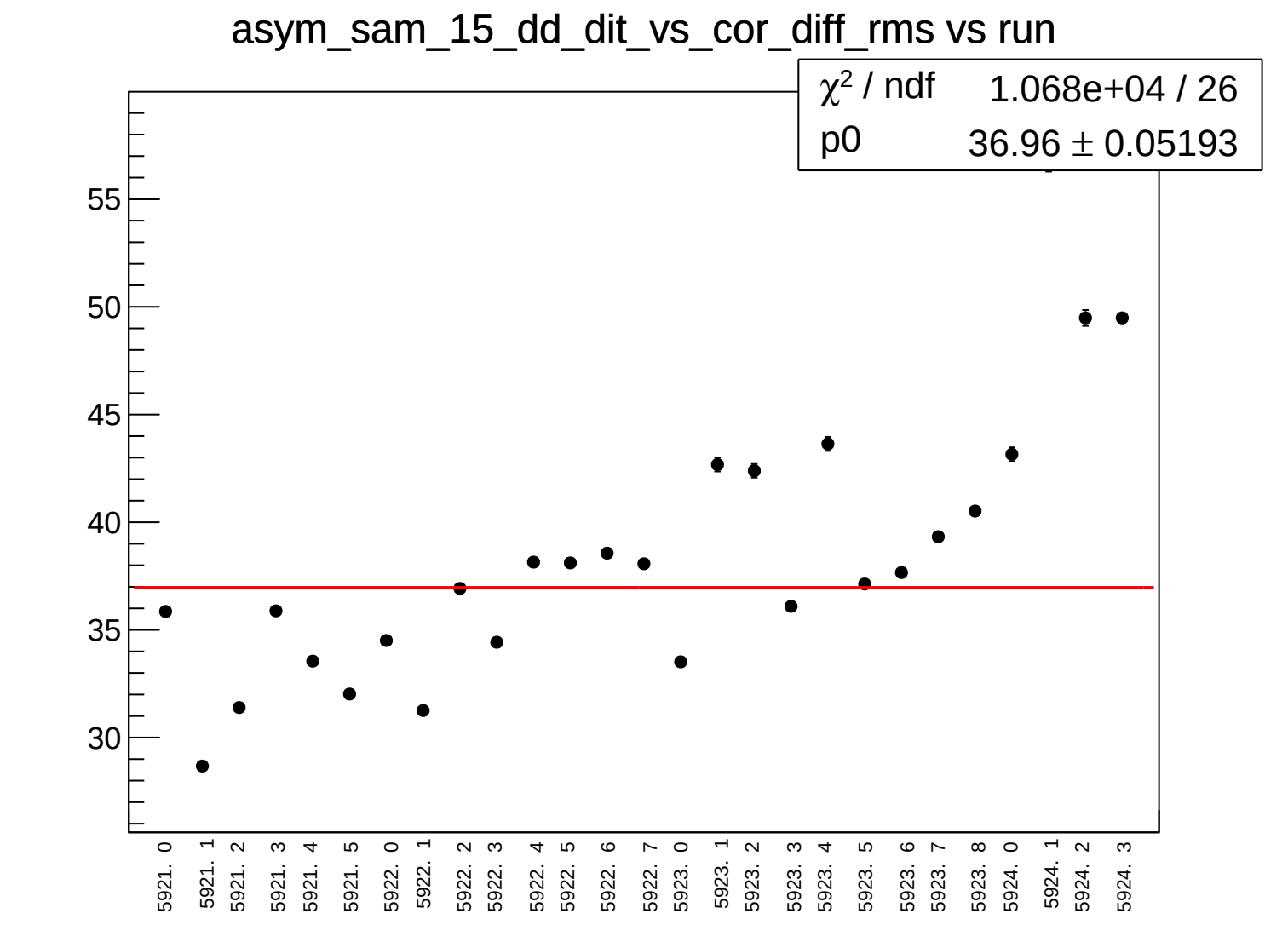

pull1D
Entries 27
Mean −0.04315
Std Dev 1.068
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

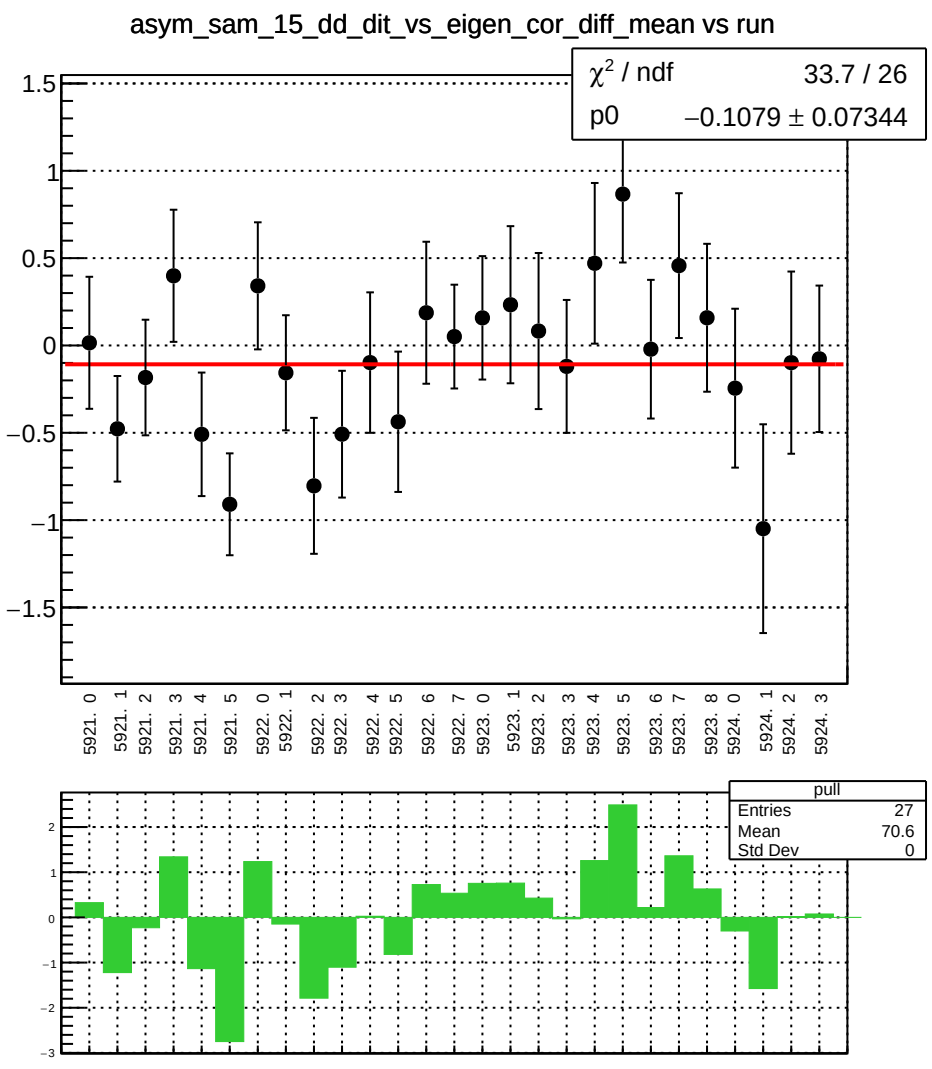

asym_sam_15_dd_rms vs run
χ² / ndf 3862 / 26
p0 1345 ± 1.877
1600
1500
1400
1300
1200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

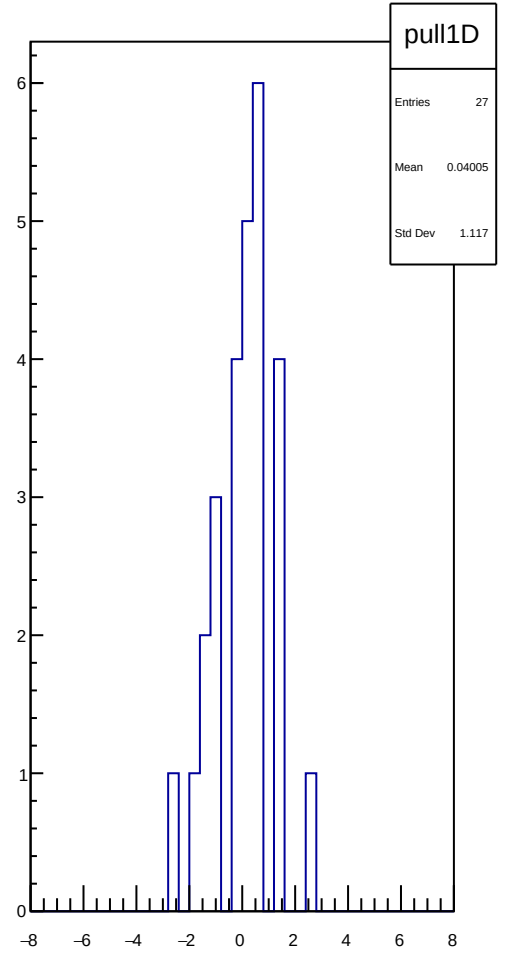

asym_sam_15_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 26.87 / 26
p0 1.218e−13 ± 1.469e−13
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 20.25
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean 0.1509
Std Dev 0.9861
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

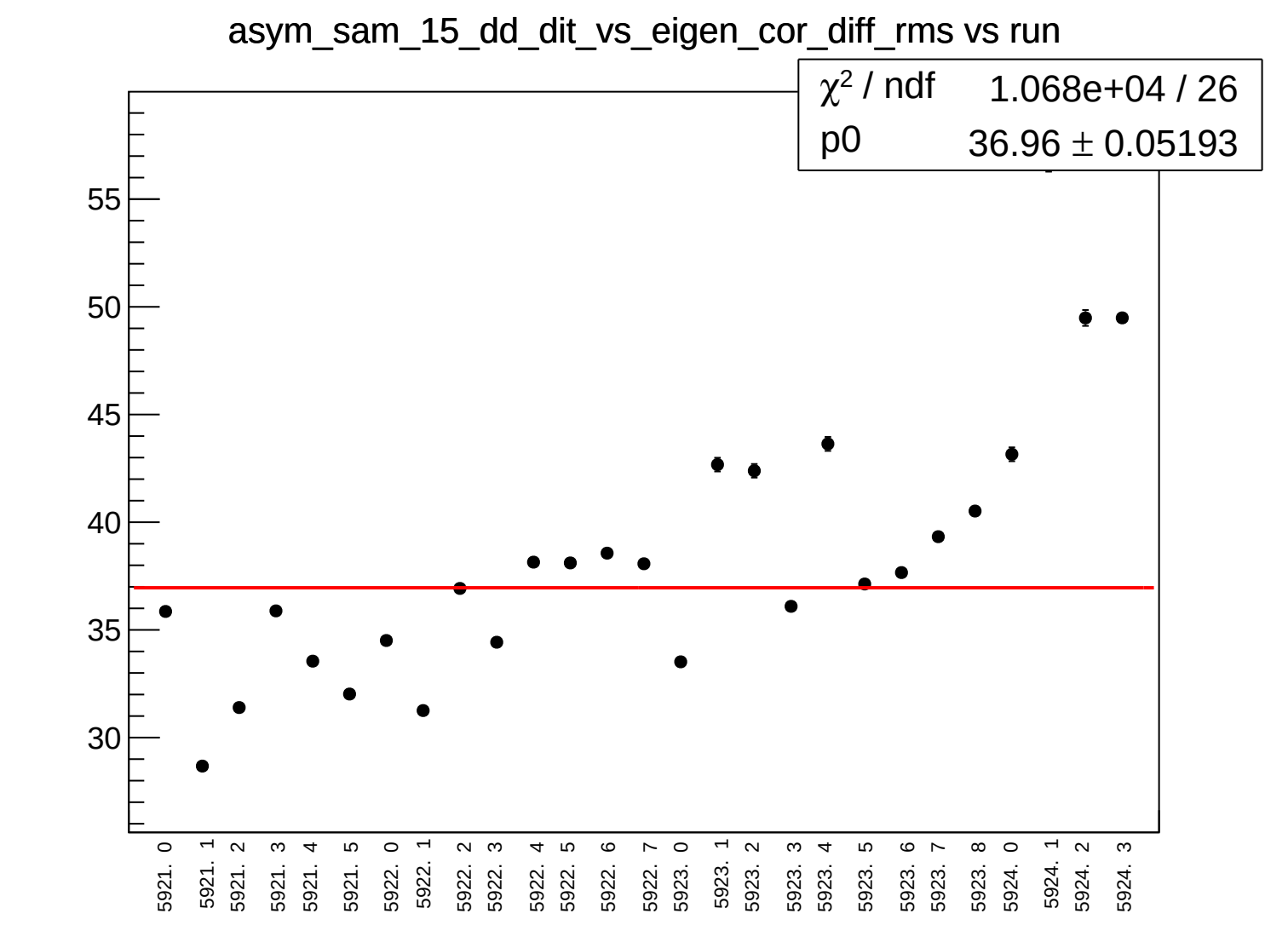

asym_sam_15_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.186e+05 / 26
p0 4.626e−11 ± 1.038e−13
0.05
0.04
0.03
0.02
0.01
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

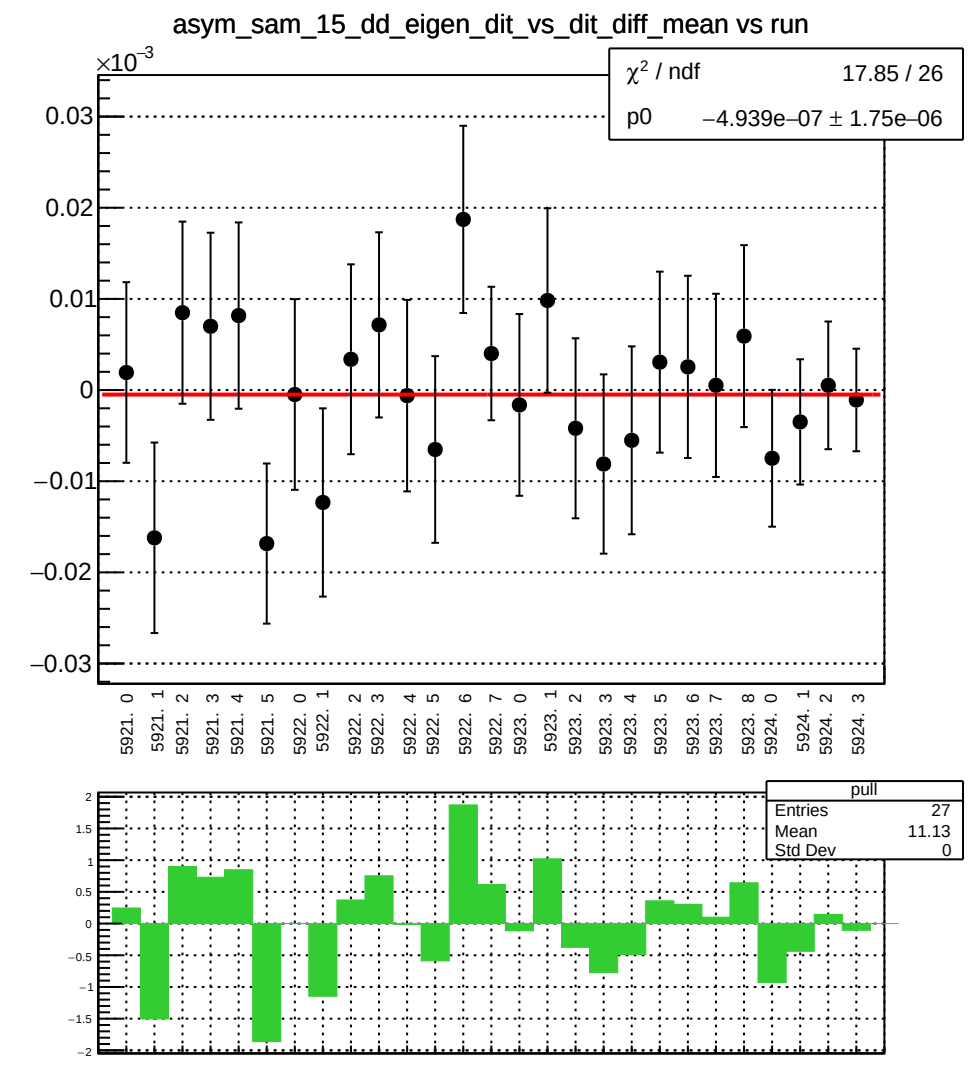

asym_sam_15_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 33.7 / 26
p0 −0.1079 ± 0.07344
1.5
1
0.5
0
−0.5
−1
−1.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 70.6
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 27
Mean 0.04005
Std Dev 1.117
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

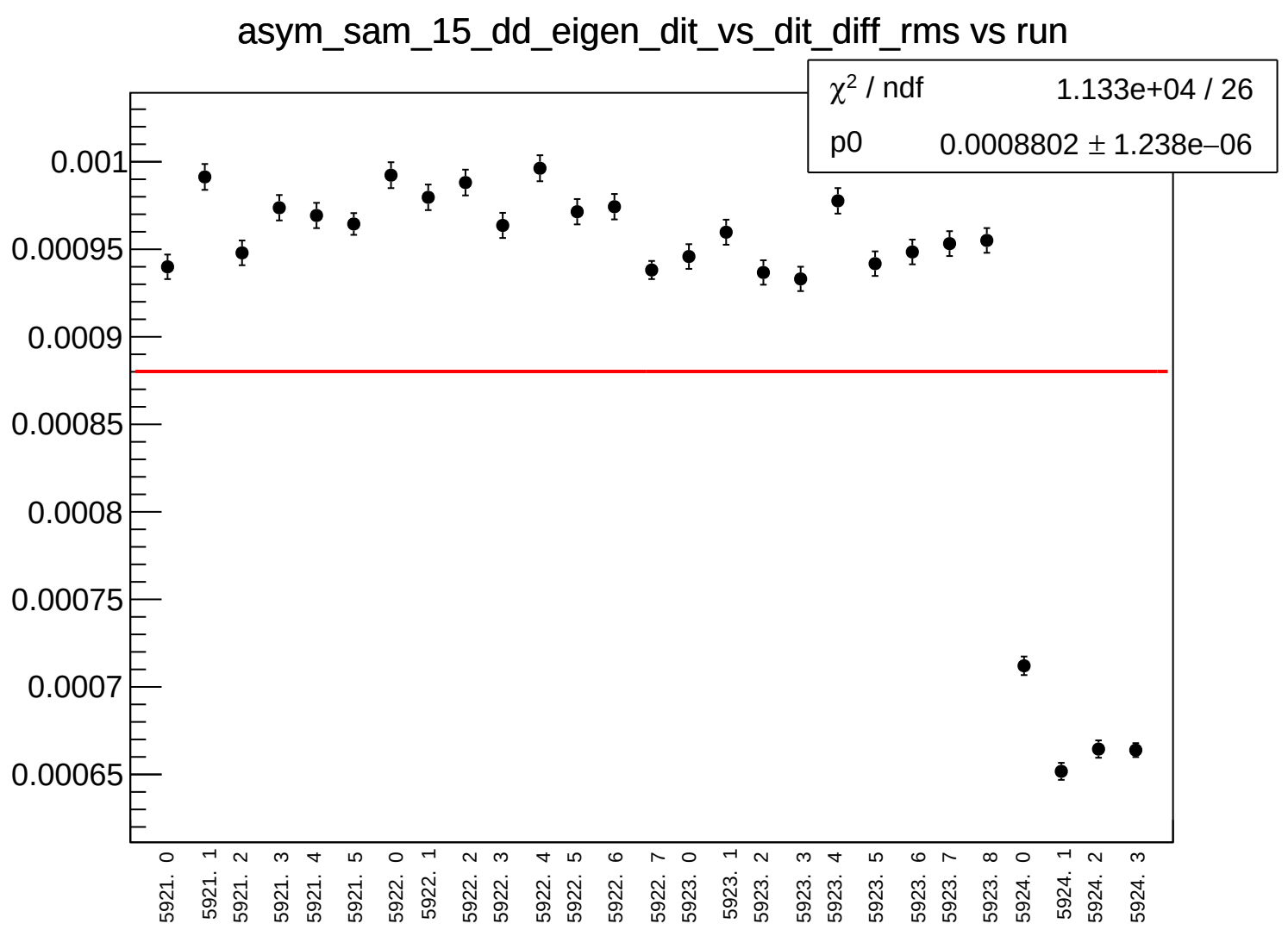

asym_sam_15_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.068e+04 / 26
p0 36.96 ± 0.05193
55
50
45
40
35
30
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

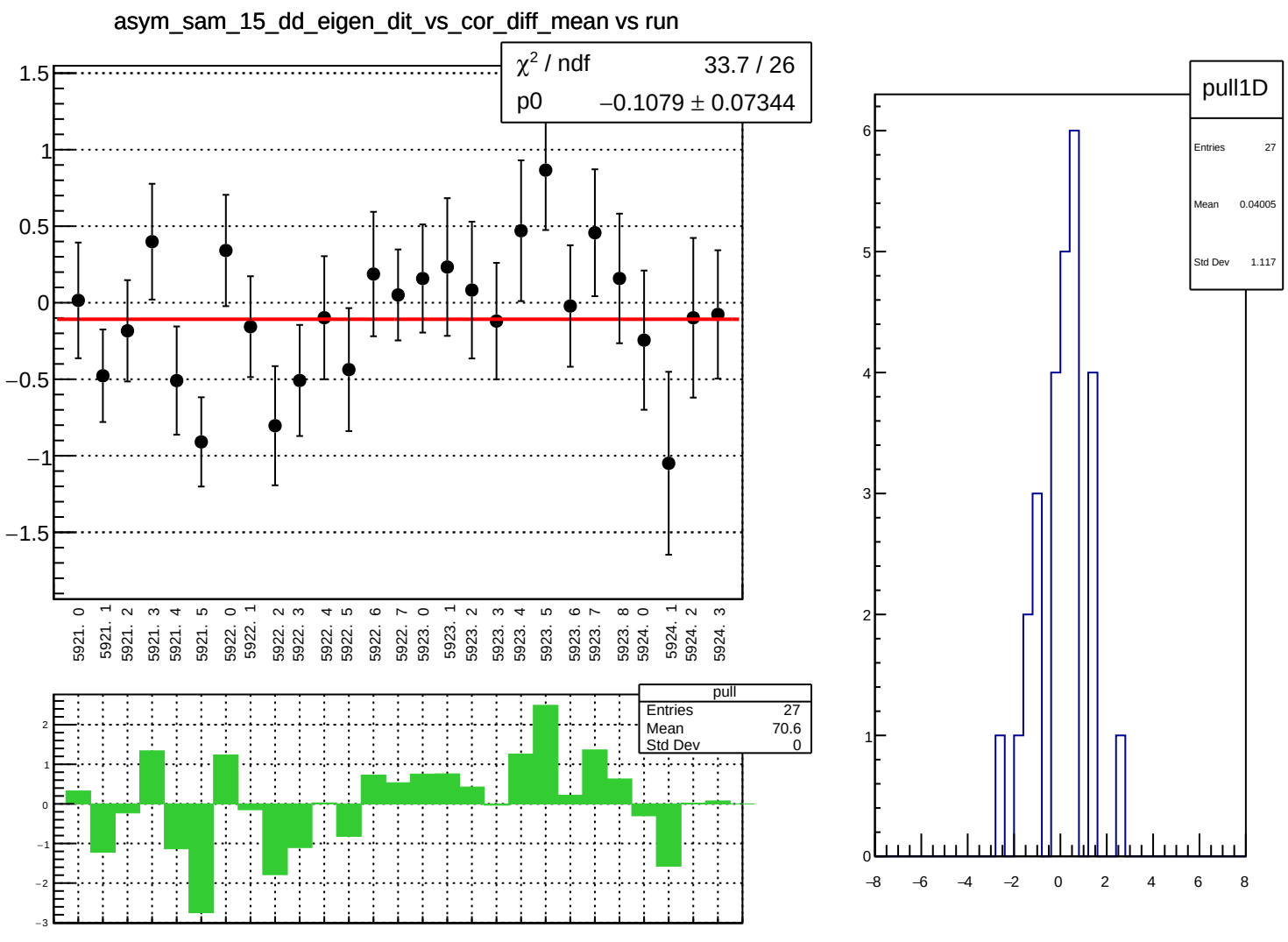

asym_sam_15_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 33.7 / 26
p0 −0.1079 ± 0.07344
1.5
1
0.5
0
−0.5
−1
−1.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 70.6
Std Dev 0
2
1
0
−1
−2
−3

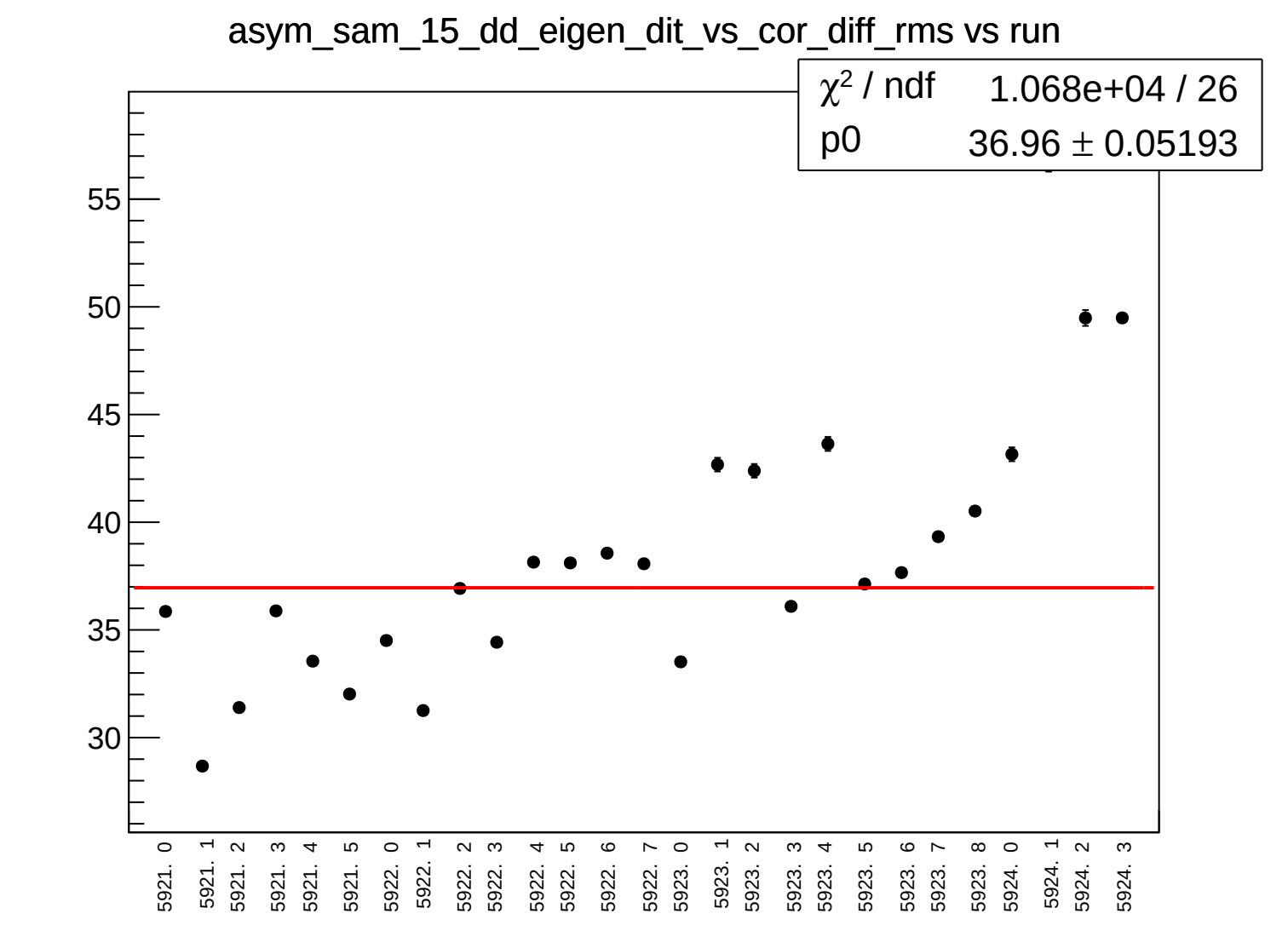

pull1D
Entries 27
Mean 0.04005
Std Dev 1.117
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

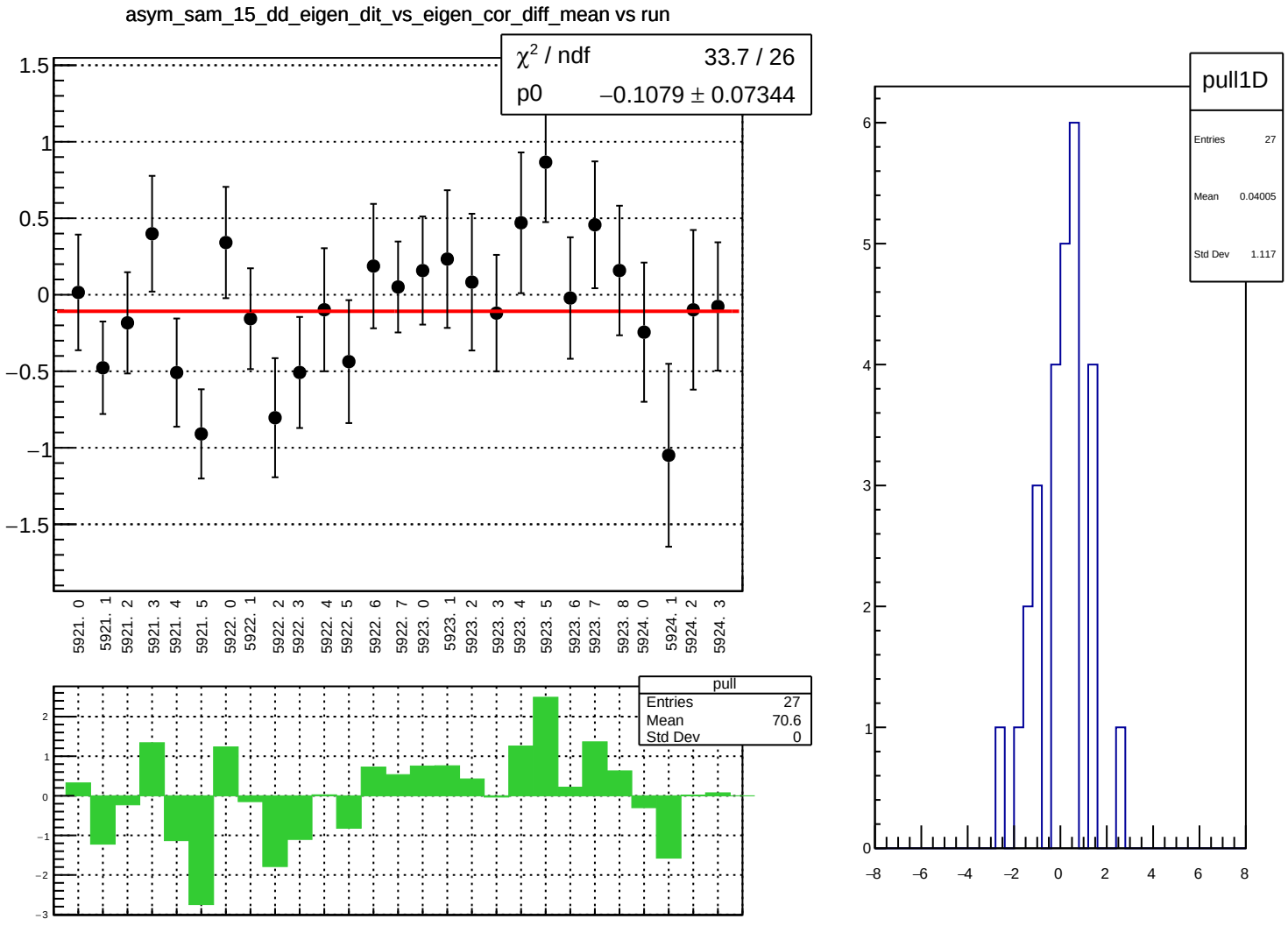

asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.068e+04 / 26
p0 36.96 ± 0.05193
55
50
45
40
35
30
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

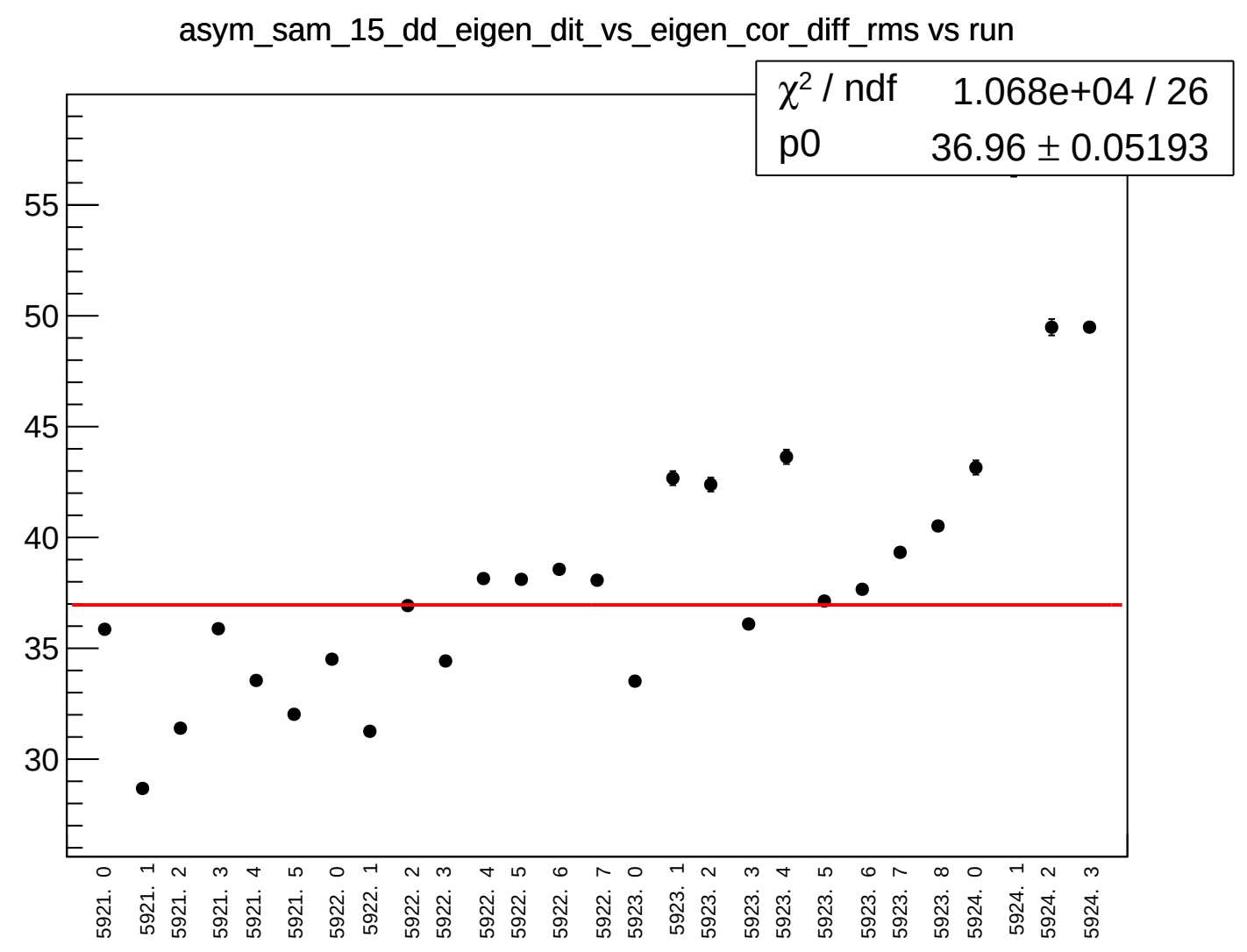

asym_sam_15_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 17.85 / 26
p0 −4.939e−07 ± 1.75e−06
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 11.13
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean 0.02103
Std Dev 0.8129
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

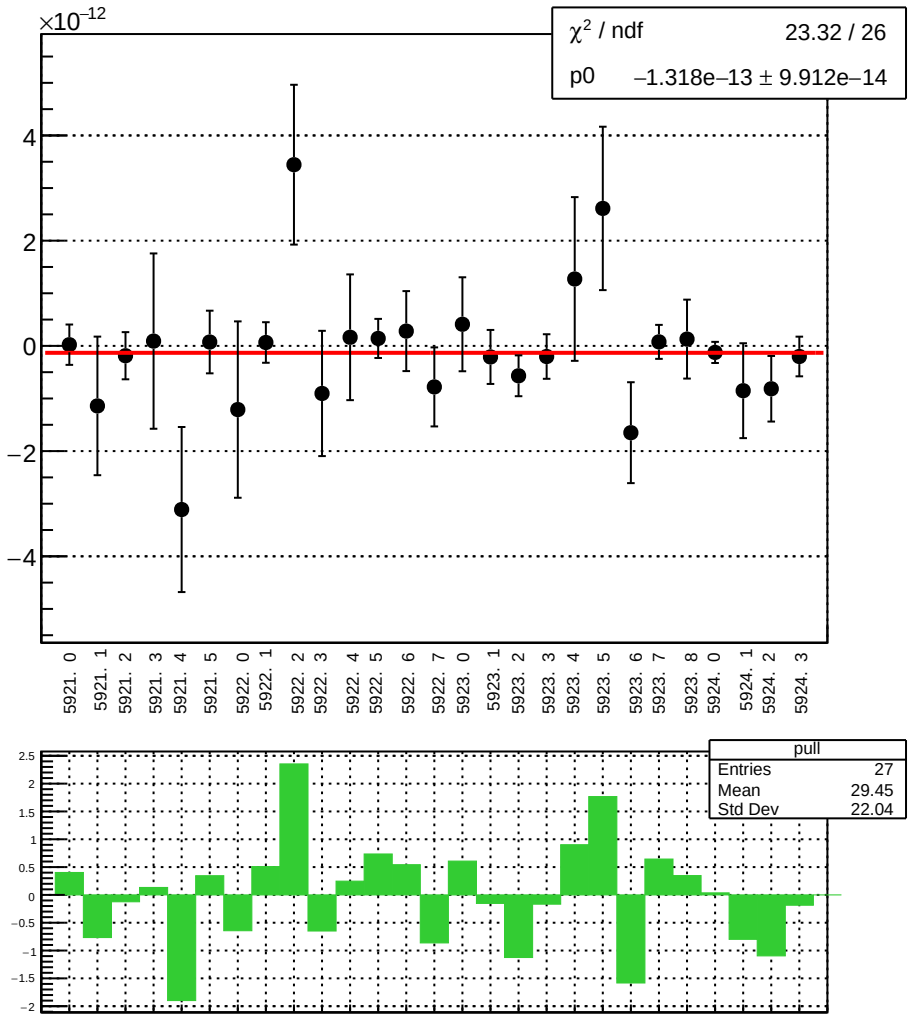

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.133e+04 / 26
p0 0.0008802 ± 1.238e−06
0.001
0.00095
0.0009
0.00085
0.0008
0.00075
0.0007
0.00065
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

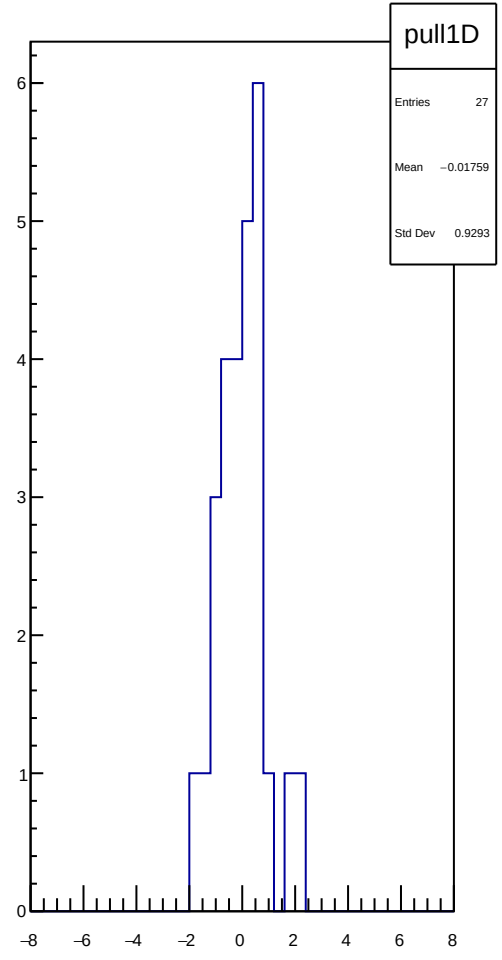

asym_sam_15_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 33.7 / 26
p0 −0.1079 ± 0.07344
1.5
1
0.5
0
−0.5
−1
−1.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 70.6
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 27
Mean 0.04005
Std Dev 1.117
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

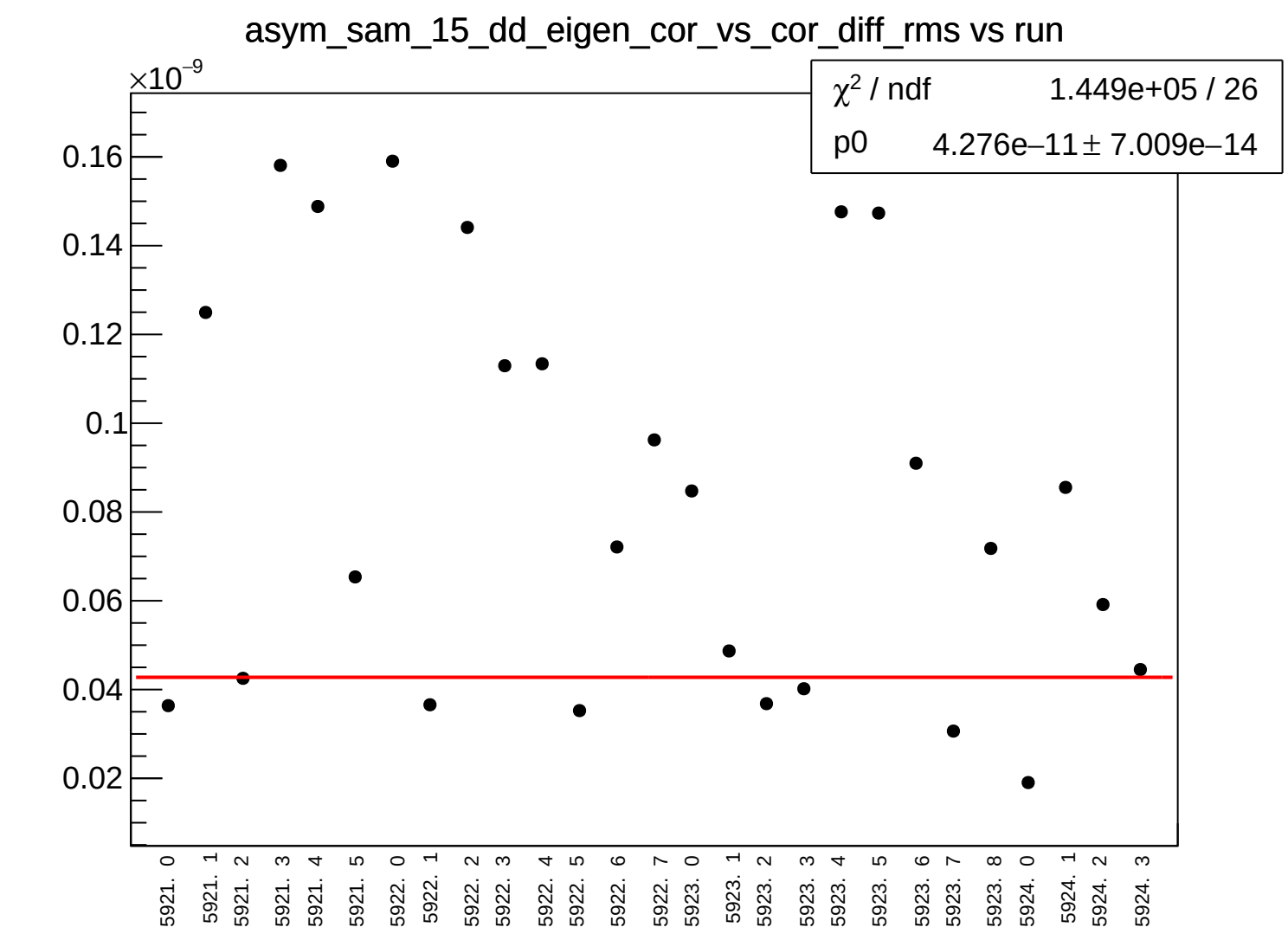

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.068e+04 / 26
p0 36.96 ± 0.05193
55
50
45
40
35
30
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

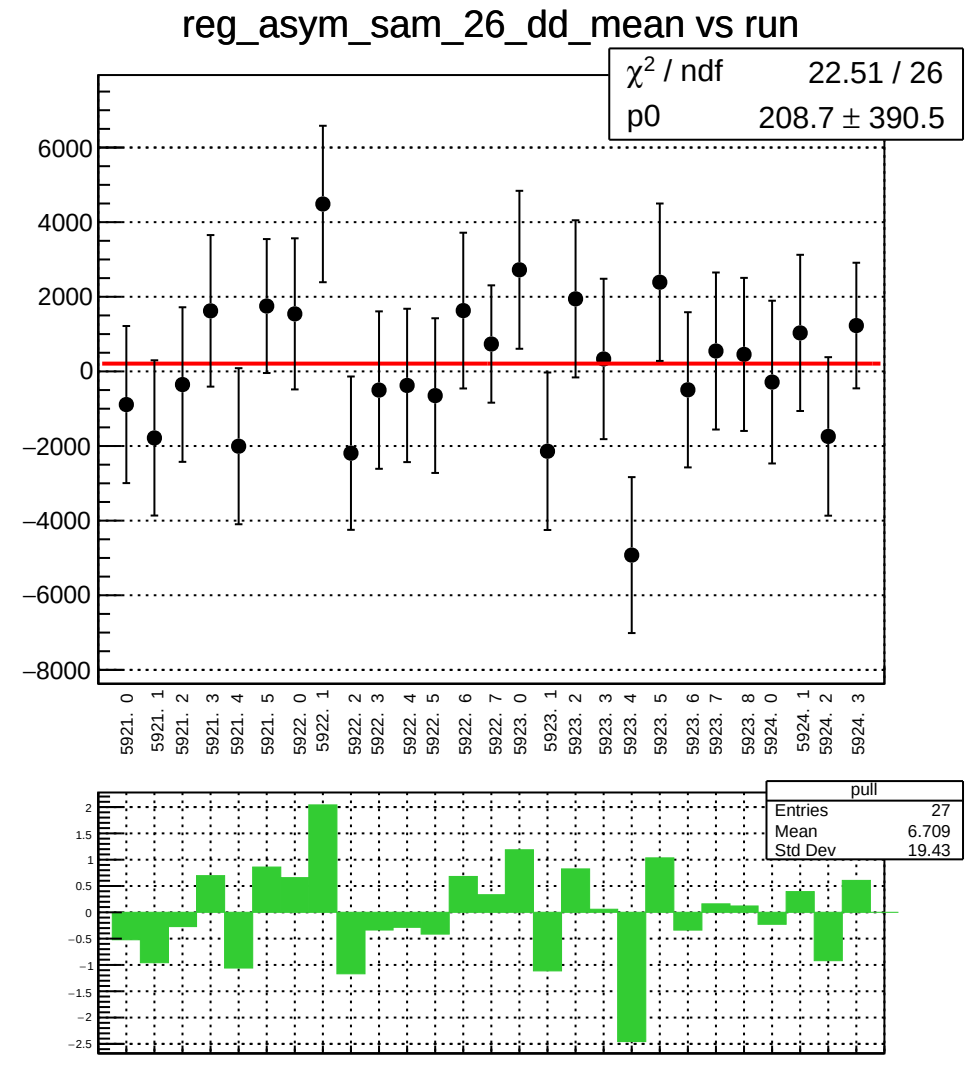

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 33.7 / 26
p0 −0.1079 ± 0.07344
1.5
1
0.5
0
−0.5
−1
−1.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 70.6
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 27
Mean 0.04005
Std Dev 1.117
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

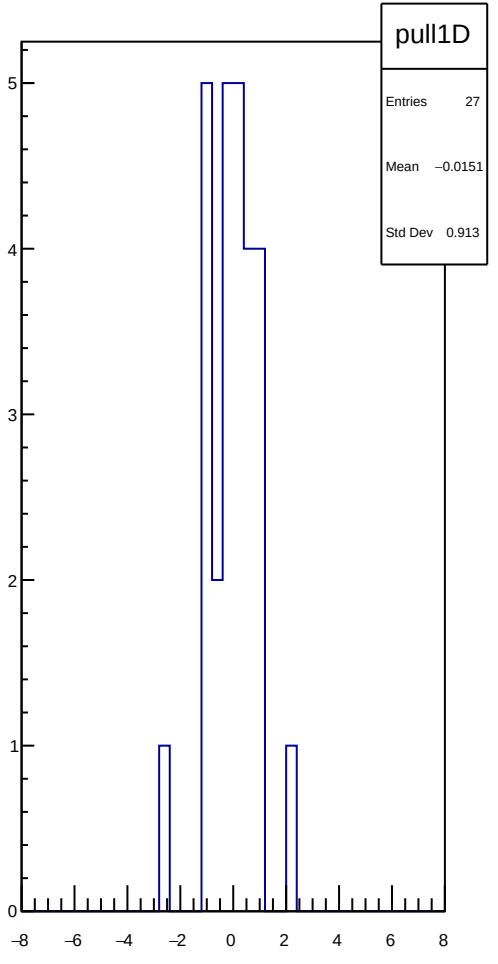

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.068e+04 / 26
p0 36.96 ± 0.05193
55
50
45
40
35
30
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

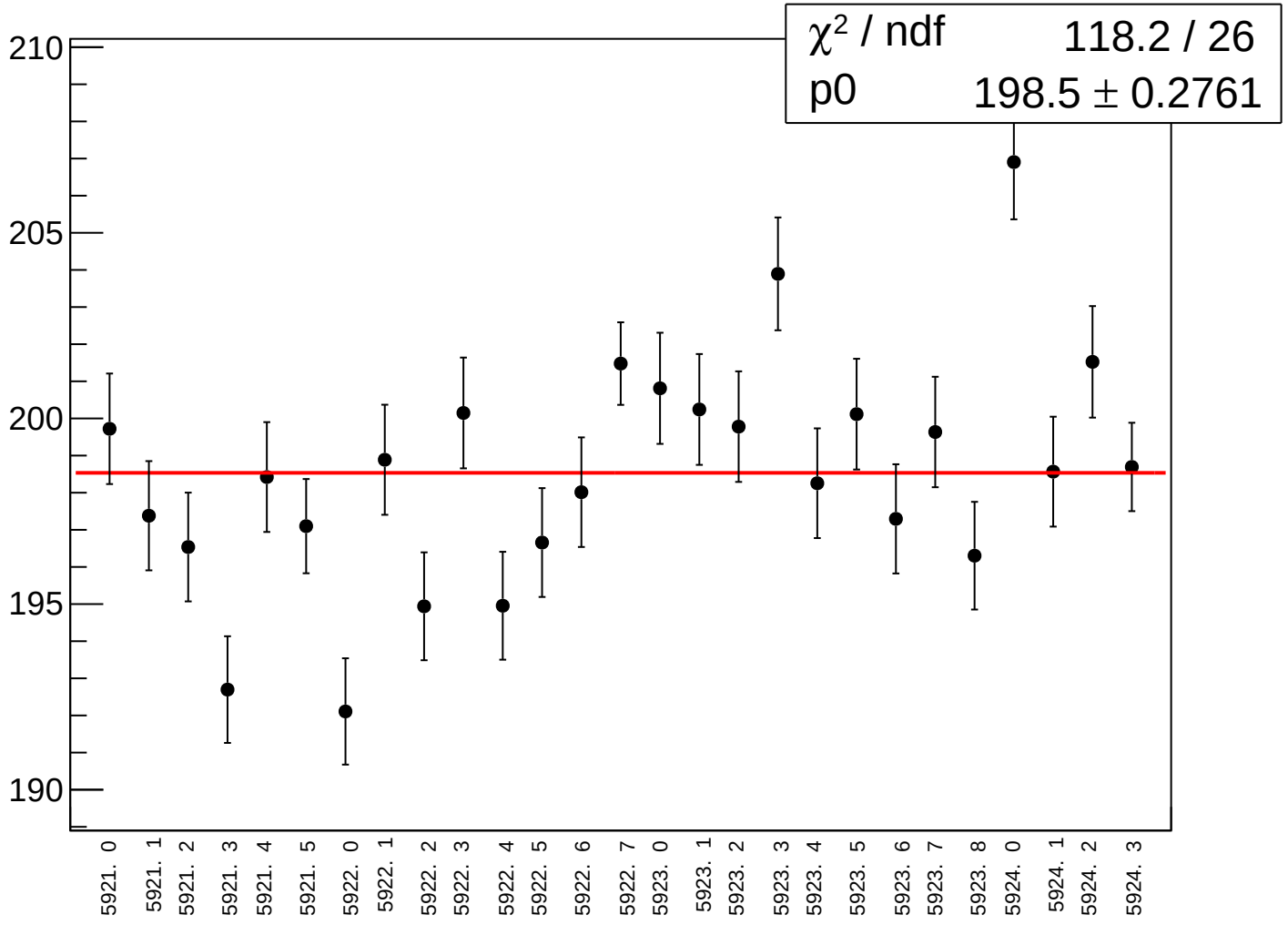

asym_sam_15_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 23.32 / 26
p0 −1.318e−13 ± 9.912e−14
4
2
0
−2
−4
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 29.45
Std Dev 22.04
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

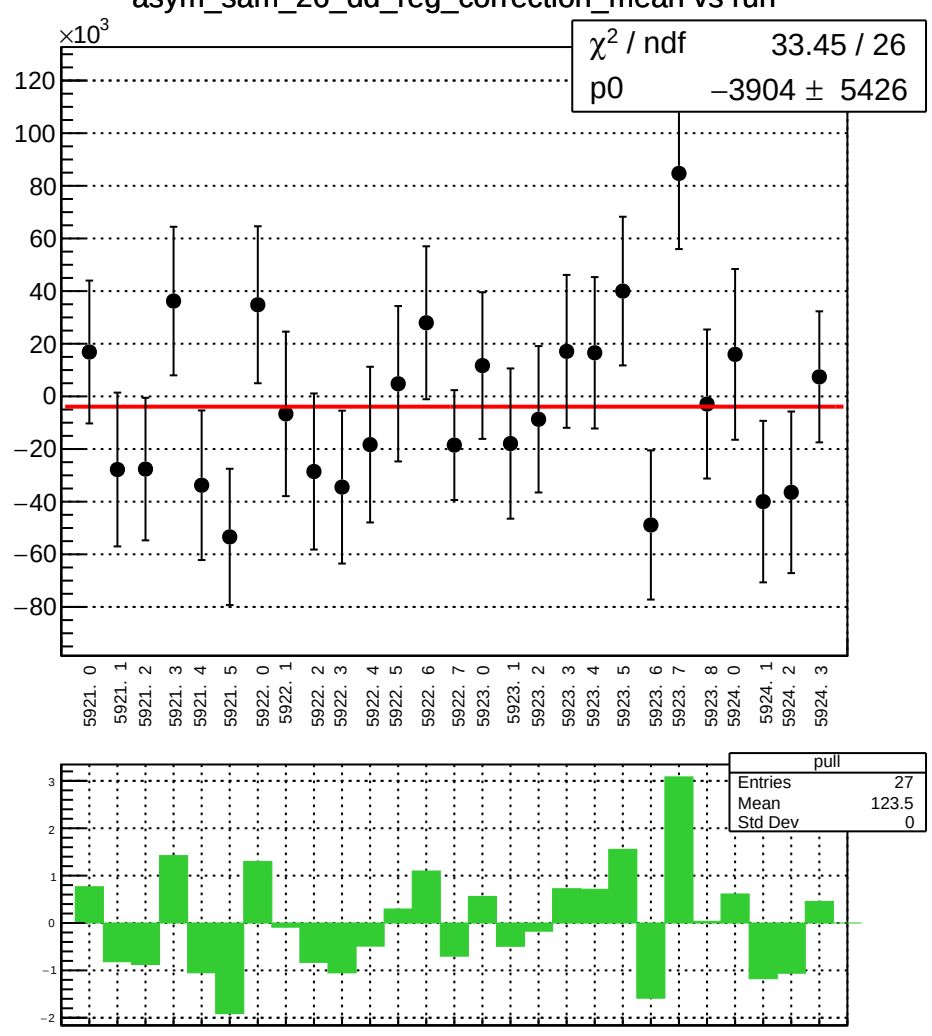

pull1D
Entries 27
Mean −0.01759
Std Dev 0.9293
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

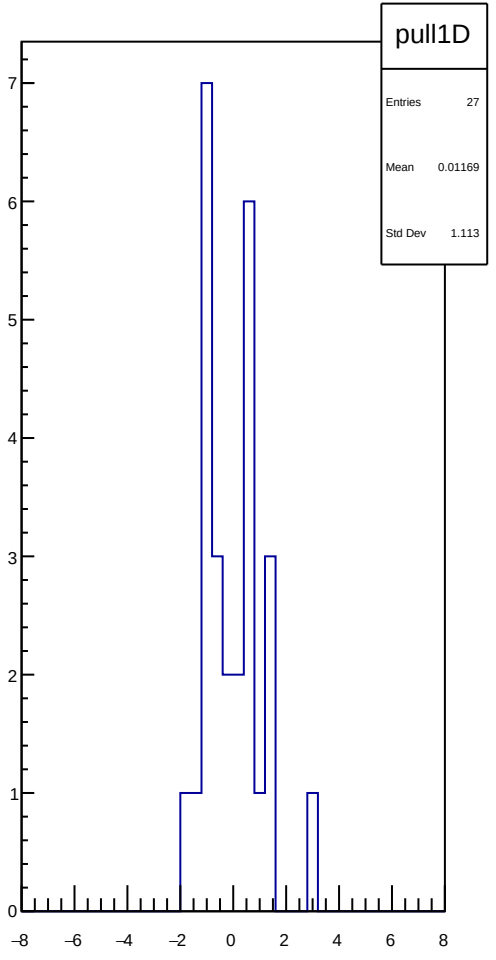

asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.449e+05 / 26
p0 4.276e−11 ± 7.009e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

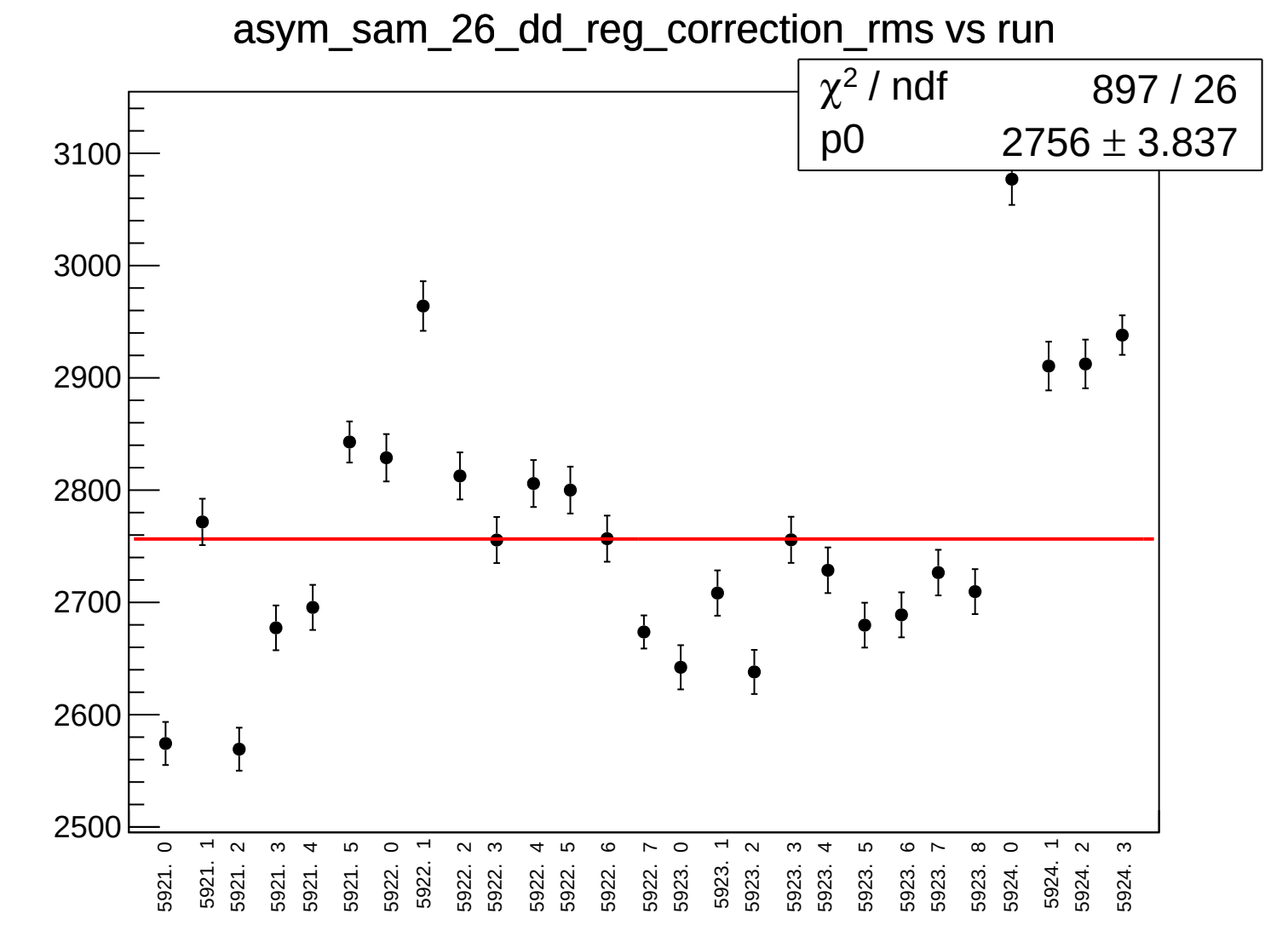

reg_asym_sam_26_dd_mean vs run
χ² / ndf 22.51 / 26
p0 208.7 ± 390.5
6000
4000
2000
0
−2000
−4000
−6000
−8000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 6.709
Std Dev 19.43
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

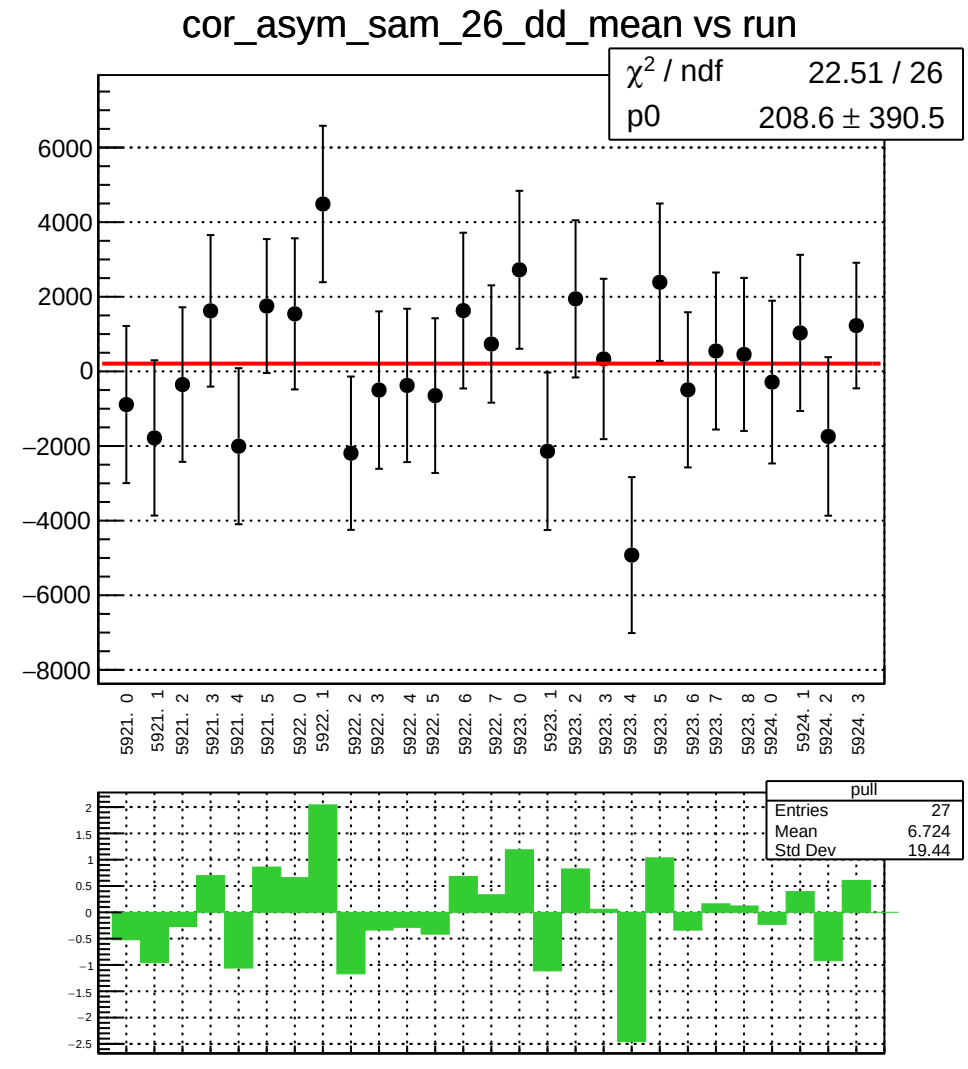

pull1D
Entries 27
Mean −0.0151
Std Dev 0.913
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

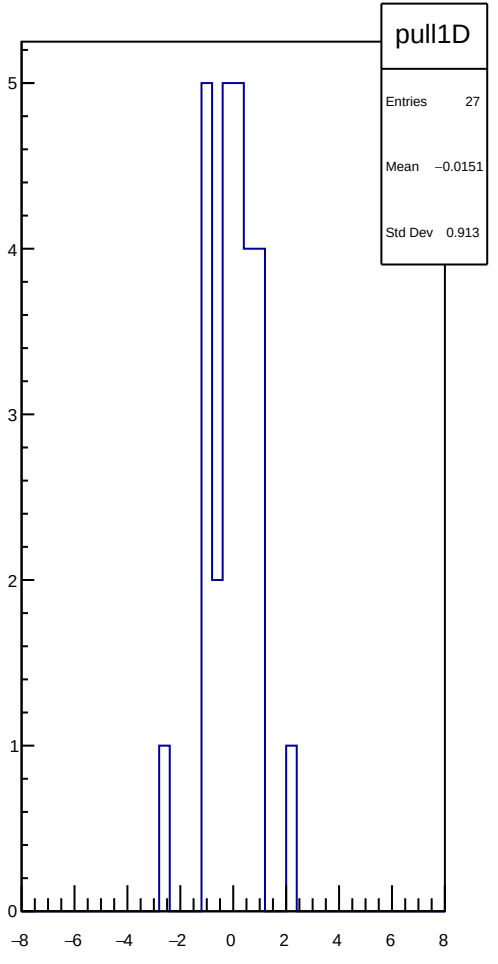

reg_asym_sam_26_dd_rms vs run
χ² / ndf 118.2 / 26
p0 198.5 ± 0.2761
210
205
200
195
190
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

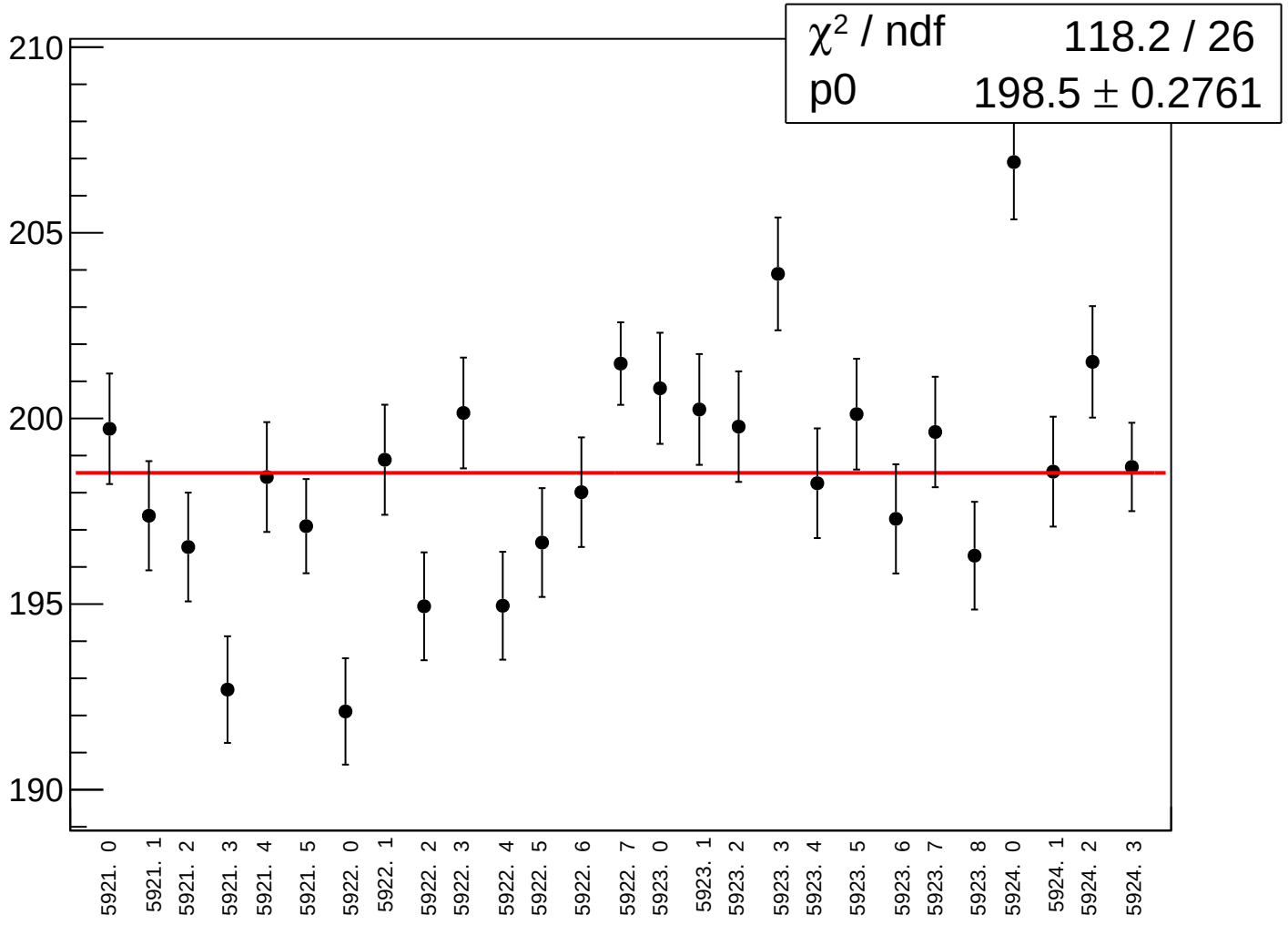

asym_sam_26_dd_reg_correction_mean vs run
×10^3
χ^2 / ndf 33.45 / 26
p0 −3904 ± 5426
120
100
80
60
40
20
0
−20
−40
−60
−80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 123.5
Std Dev 0
3
2
1
0
−1
−2

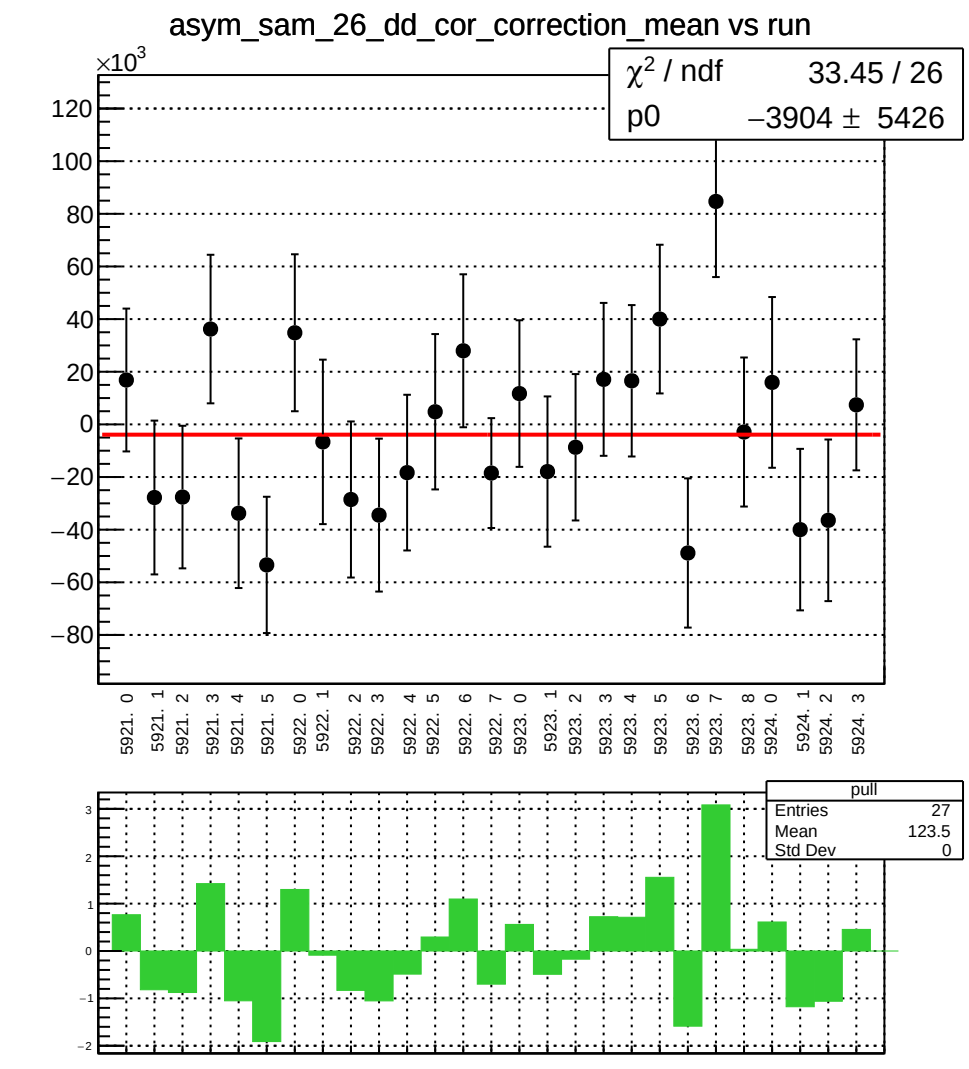

pull1D
Entries 27
Mean 0.01169
Std Dev 1.113
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

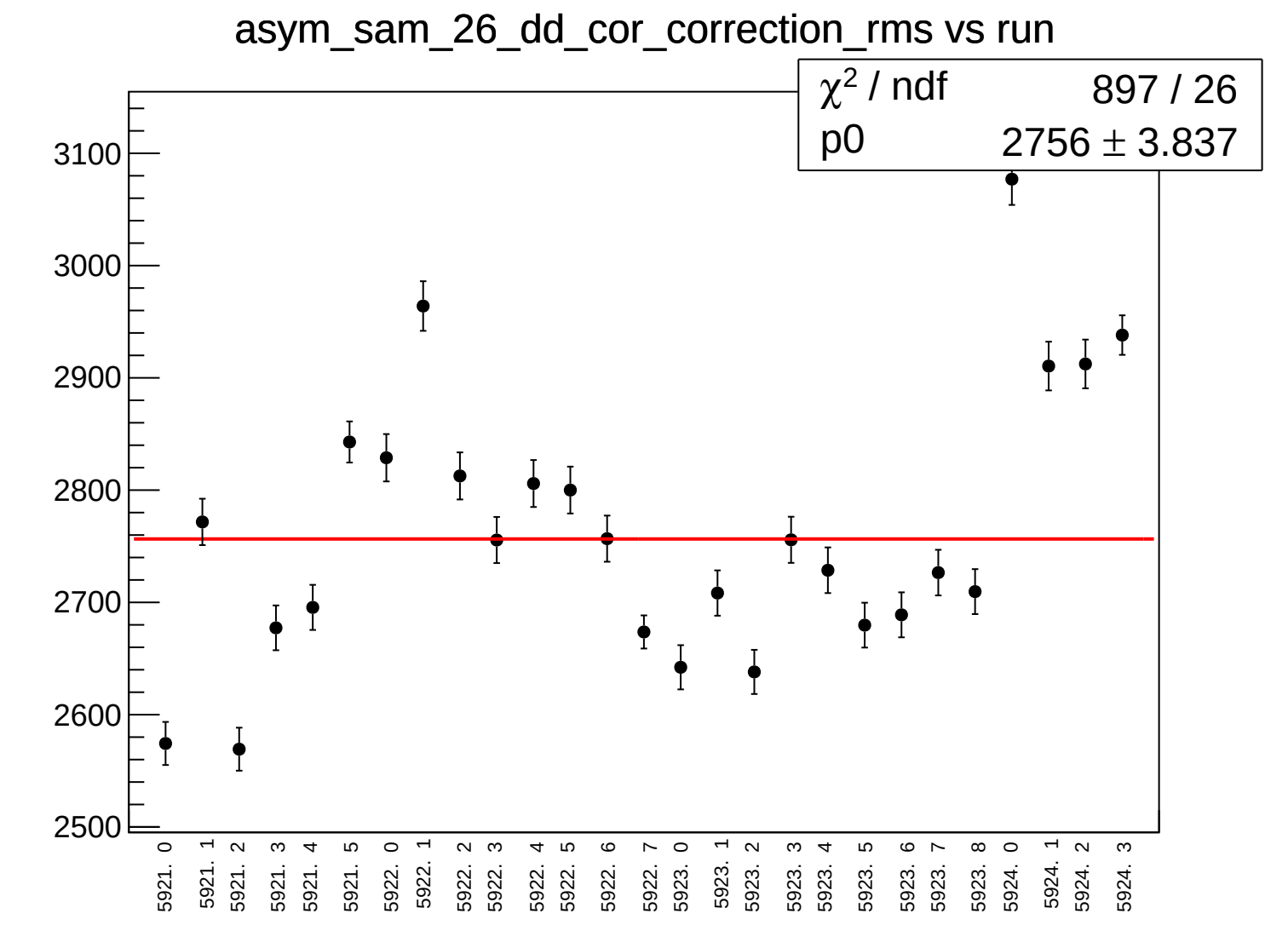

asym_sam_26_dd_reg_correction_rms vs run
χ² / ndf 897 / 26
p0 2756 ± 3.837
3100
3000
2900
2800
2700
2600
2500
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

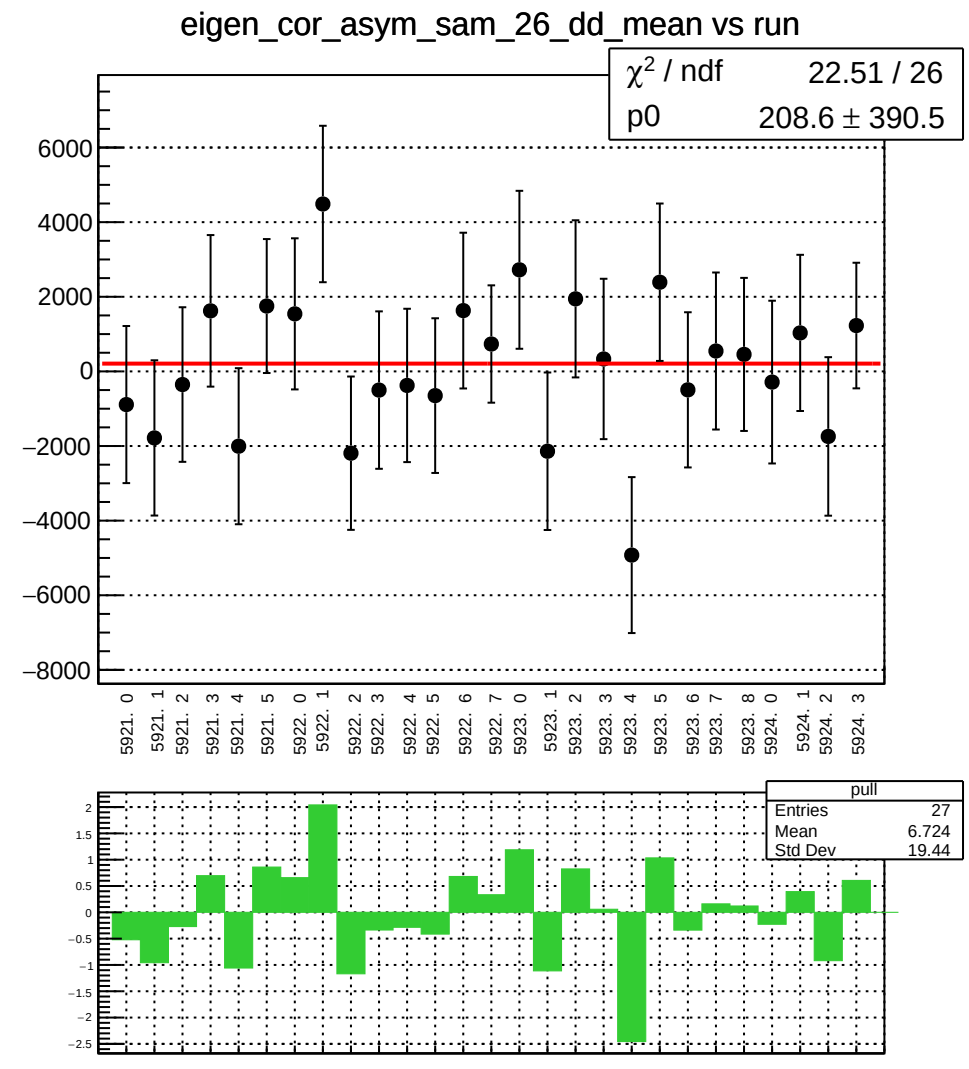

cor_asym_sam_26_dd_mean vs run
χ² / ndf 22.51 / 26
p0 208.6 ± 390.5
6000
4000
2000
0
−2000
−4000
−6000
−8000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 6.724
Std Dev 19.44
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

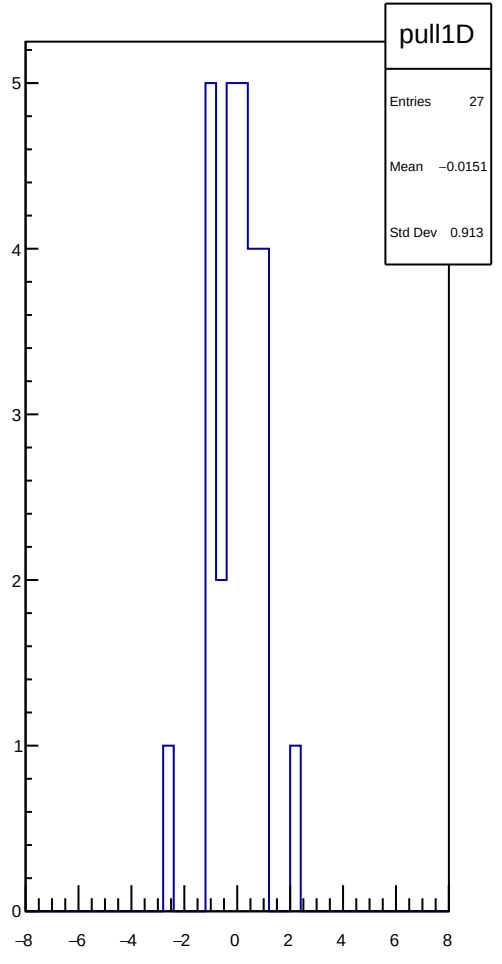

pull1D
Entries 27
Mean −0.0151
Std Dev 0.913
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

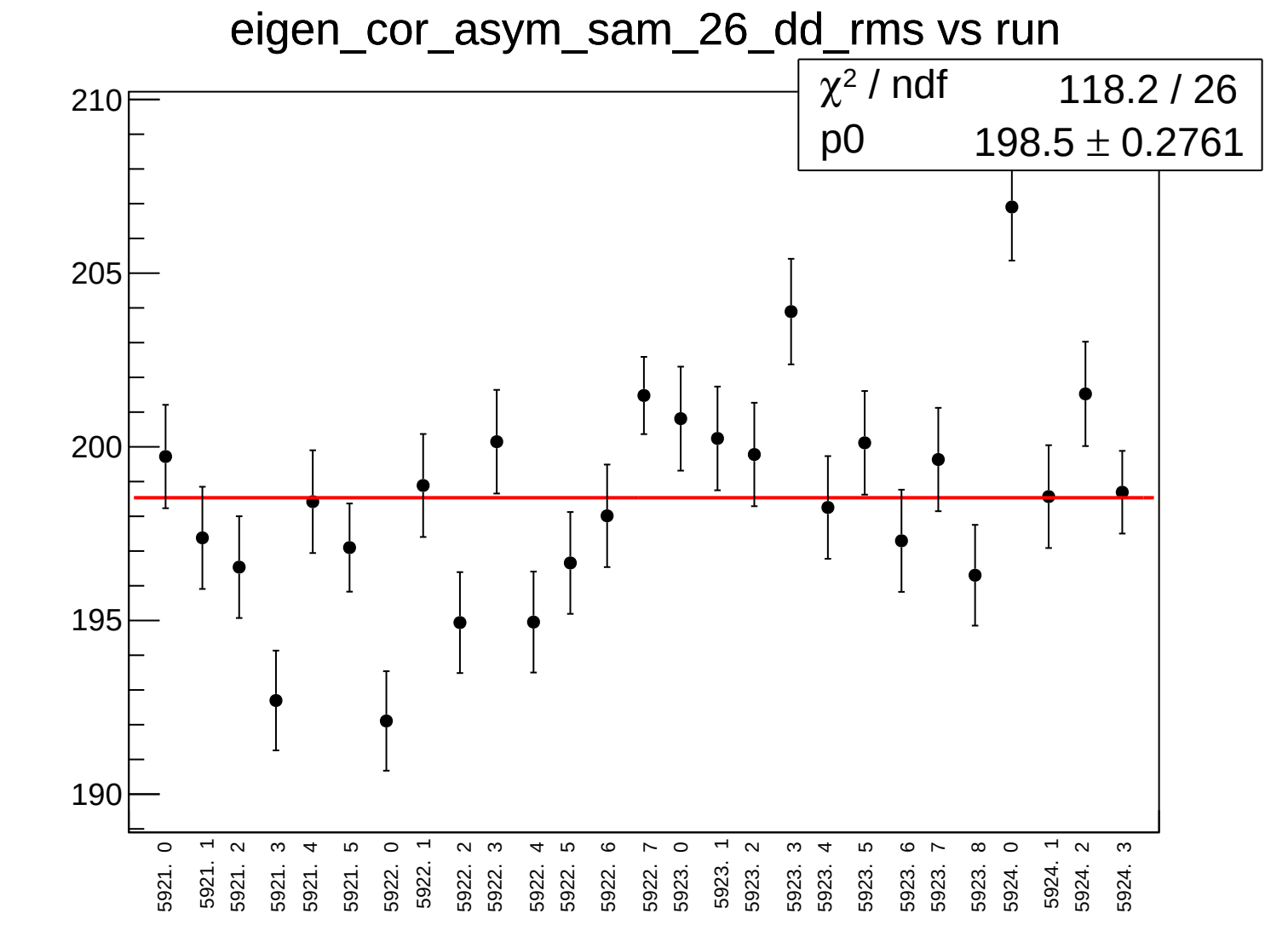

cor_asym_sam_26_dd_rms vs run
χ² / ndf 118.2 / 26
p0 198.5 ± 0.2761
210
205
200
195
190
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

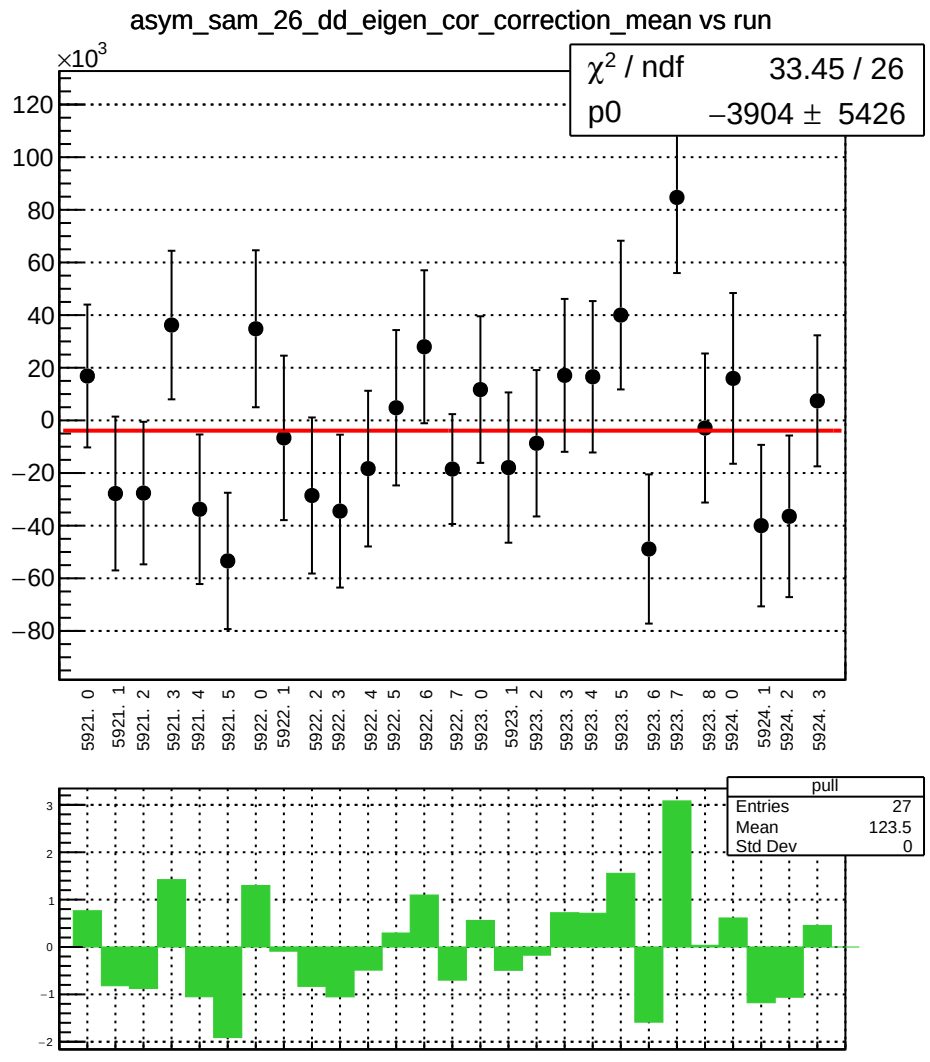

asym_sam_26_dd_cor_correction_mean vs run
×10^3
χ^2 / ndf 33.45 / 26
p0 −3904 ± 5426
120
100
80
60
40
20
0
−20
−40
−60
−80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 123.5
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.01169
Std Dev 1.113
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

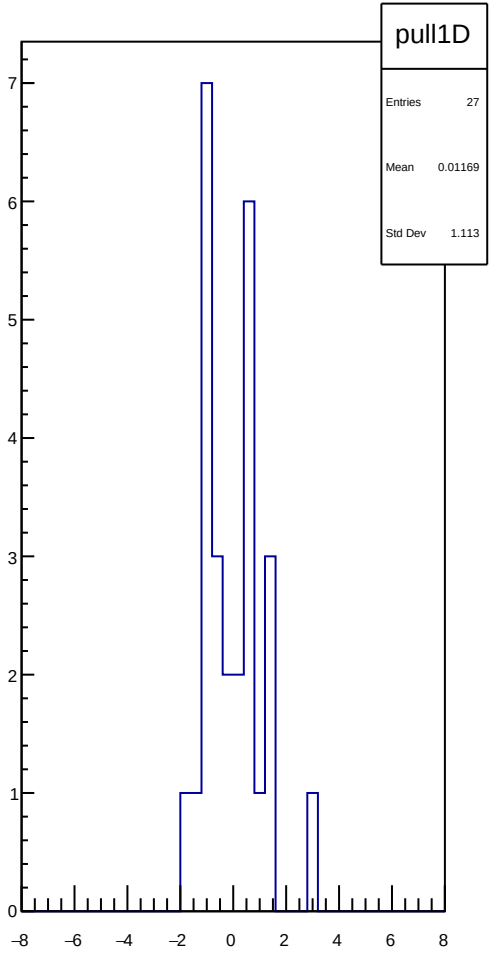

asym_sam_26_dd_cor_correction_rms vs run
χ² / ndf 897 / 26
p0 2756 ± 3.837
3100
3000
2900
2800
2700
2600
2500
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

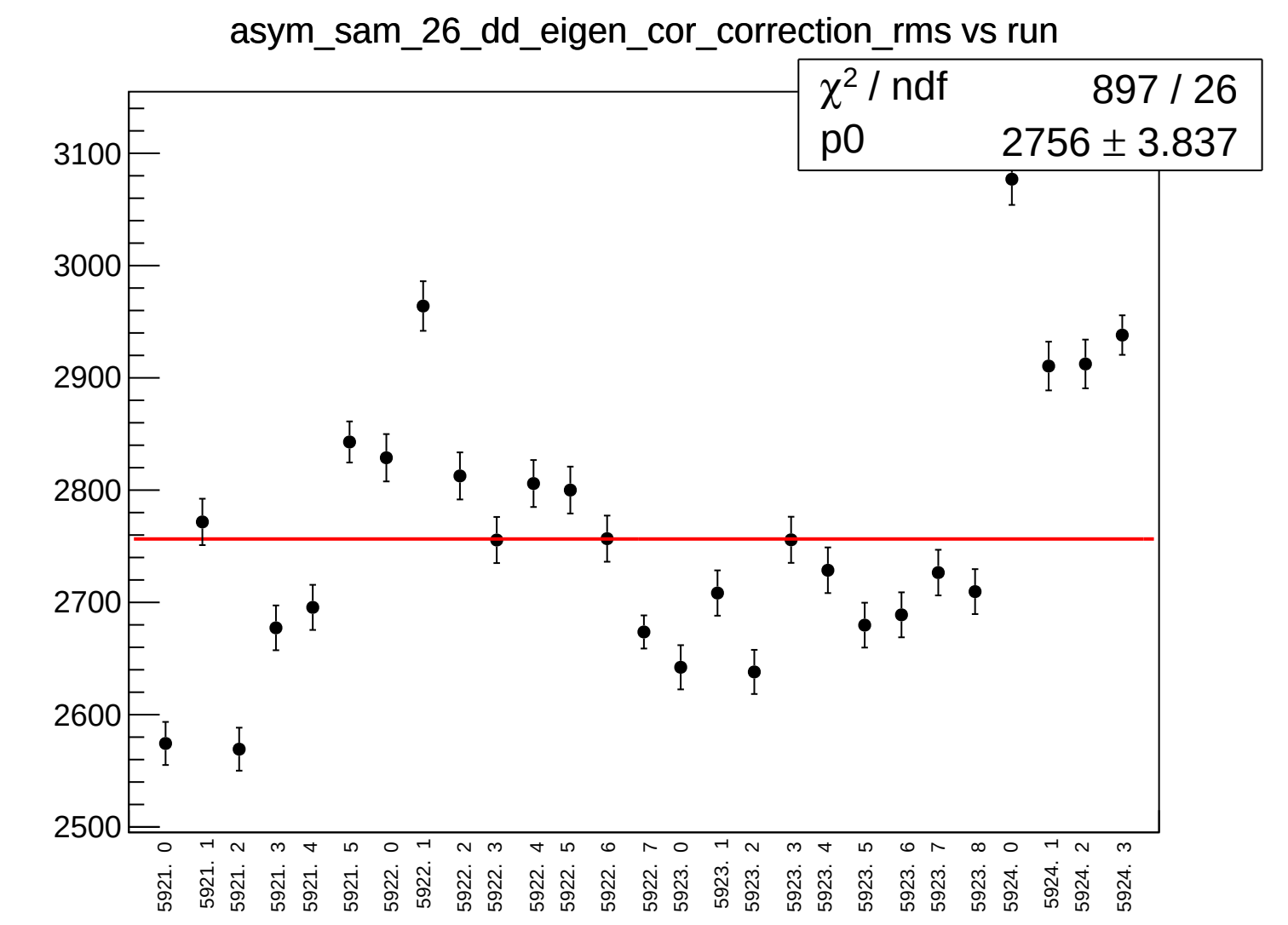

eigen_cor_asym_sam_26_dd_mean vs run
χ² / ndf 22.51 / 26
p0 208.6 ± 390.5
6000
4000
2000
0
−2000
−4000
−6000
−8000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 6.724
Std Dev 19.44
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

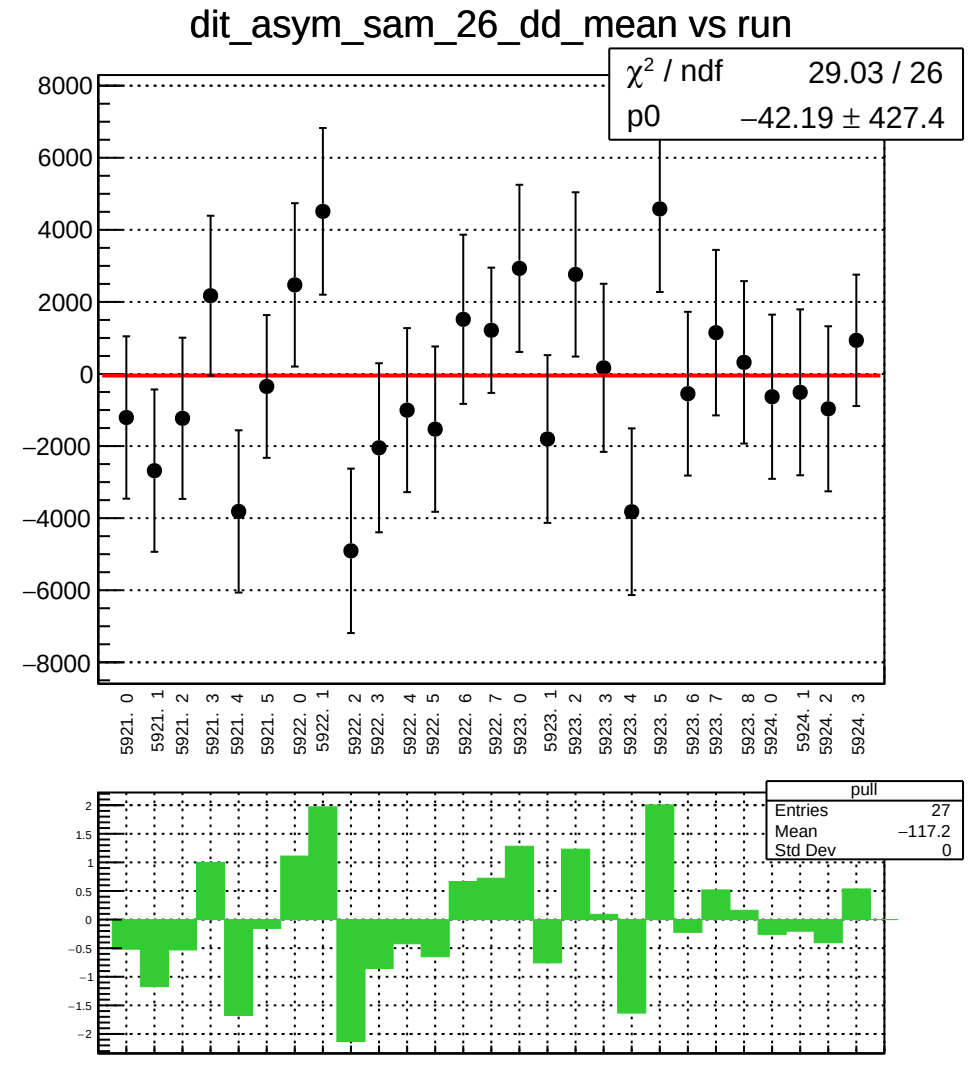

pull1D
Entries 27
Mean −0.0151
Std Dev 0.913
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

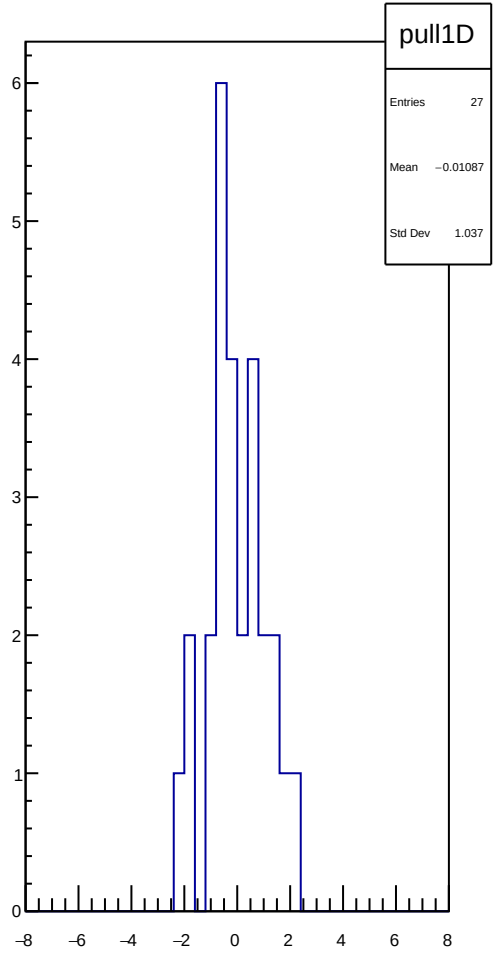

eigen_cor_asym_sam_26_dd_rms vs run
χ² / ndf 118.2 / 26
p0 198.5 ± 0.2761
210
205
200
195
190
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

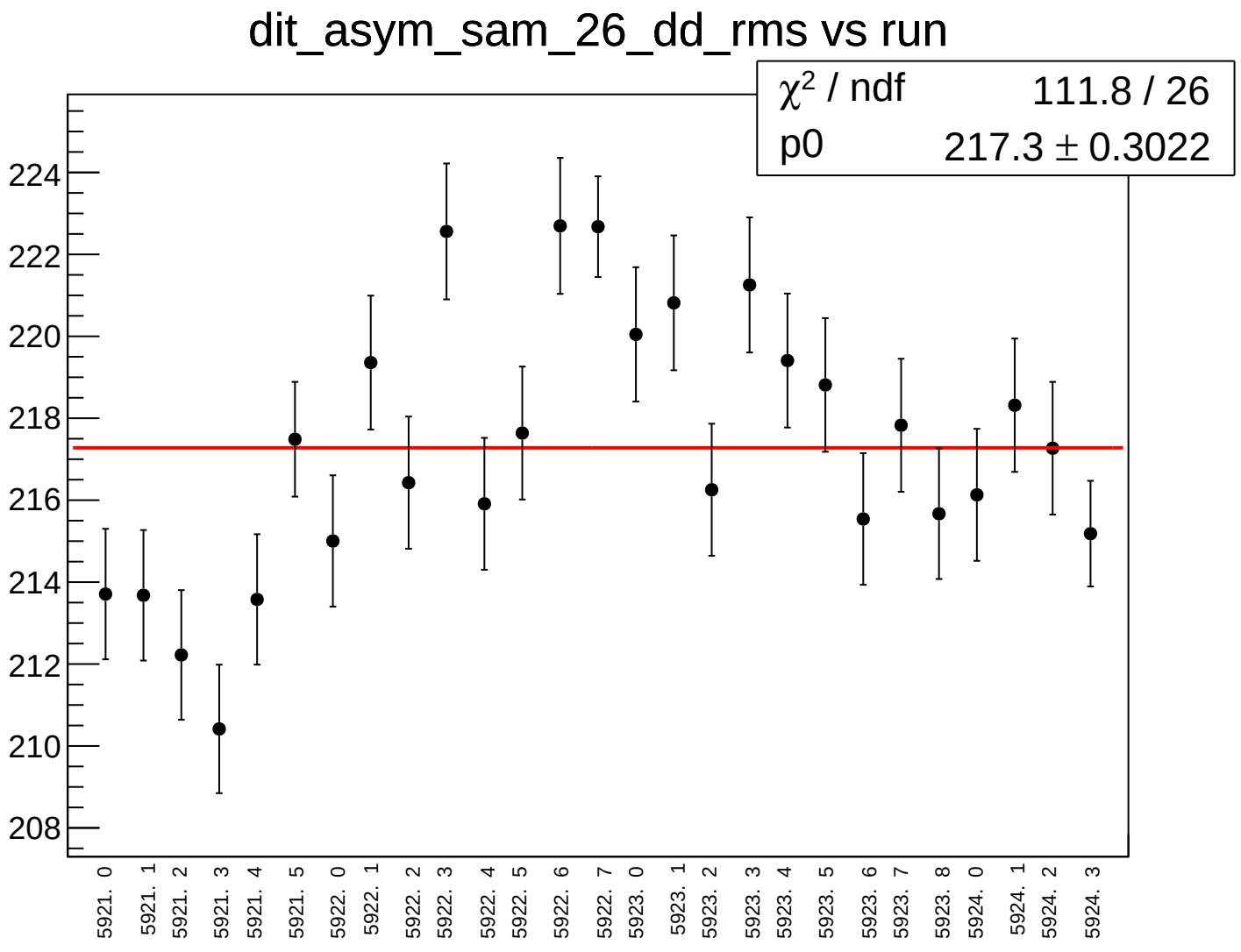

asym_sam_26_dd_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 33.45 / 26
p0 −3904 ± 5426
120
100
80
60
40
20
0
−20
−40
−60
−80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 123.5
Std Dev 0
3
2
1
0
−1
−2

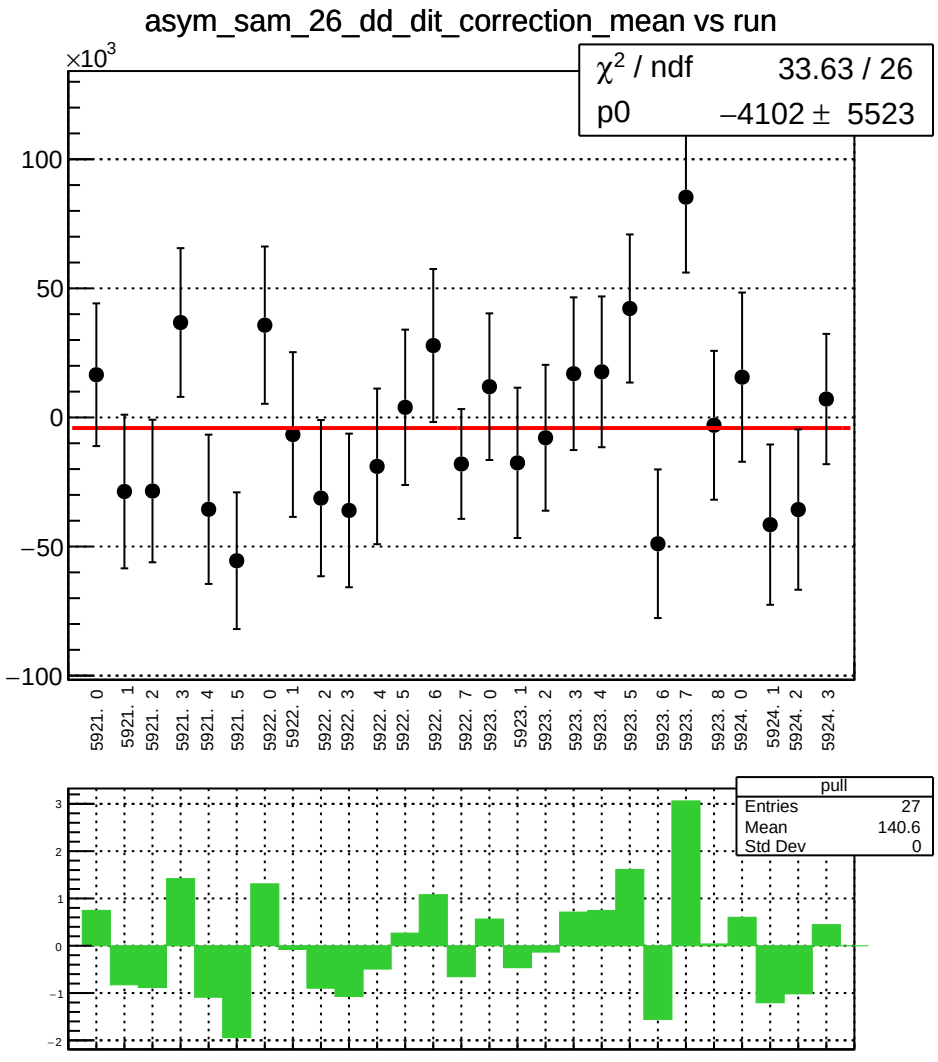

pull1D
Entries 27
Mean 0.01169
Std Dev 1.113
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

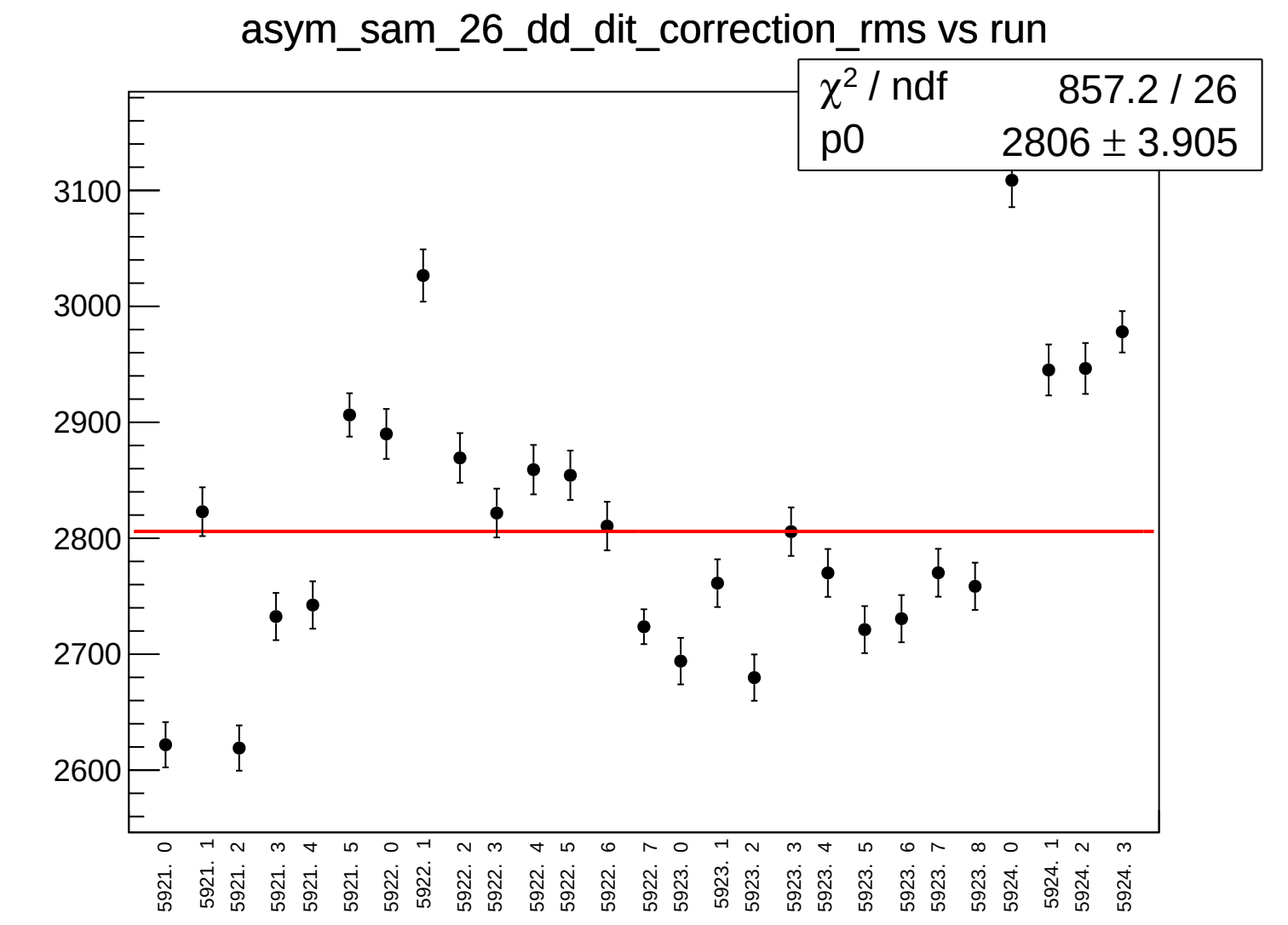

asym_sam_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 897 / 26
p0 2756 ± 3.837
3100
3000
2900
2800
2700
2600
2500
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

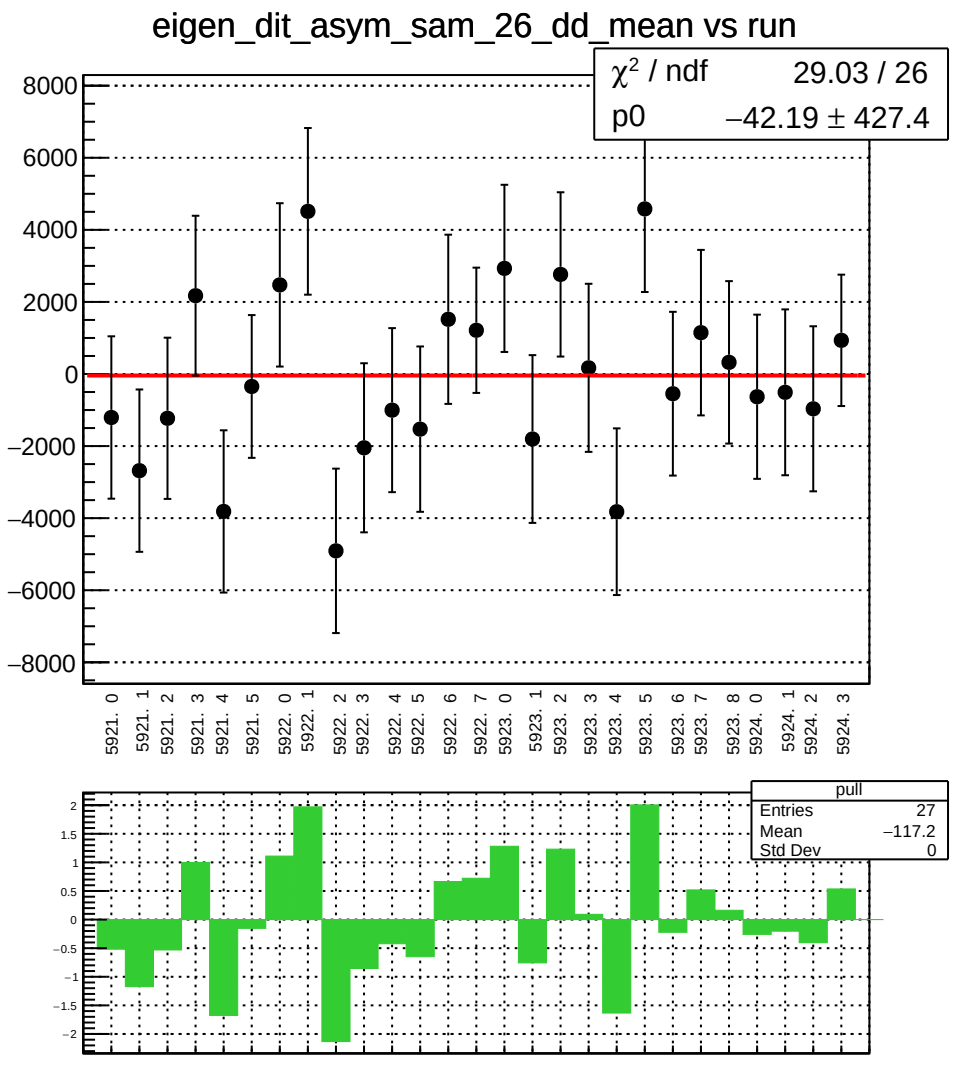

dit_asym_sam_26_dd_mean vs run
χ² / ndf 29.03 / 26
p0 −42.19 ± 427.4
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −117.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

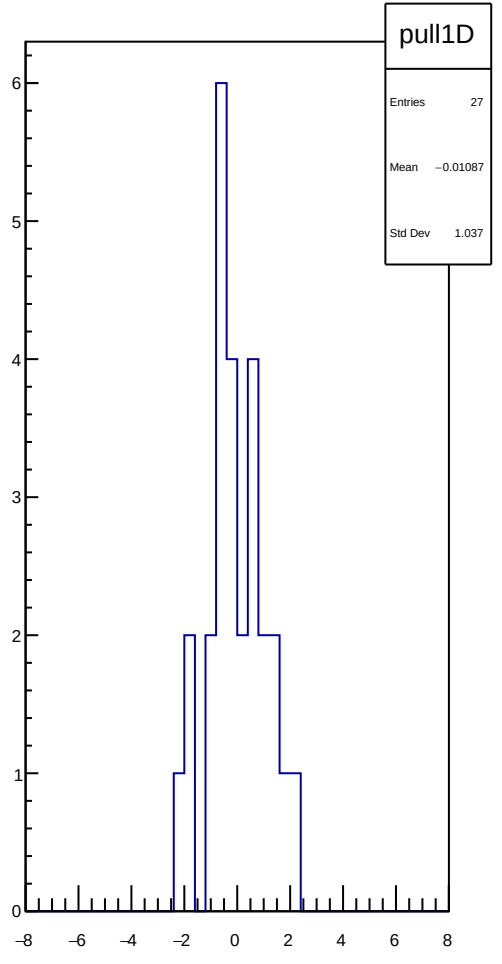

pull1D
Entries 27
Mean −0.01087
Std Dev 1.037
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

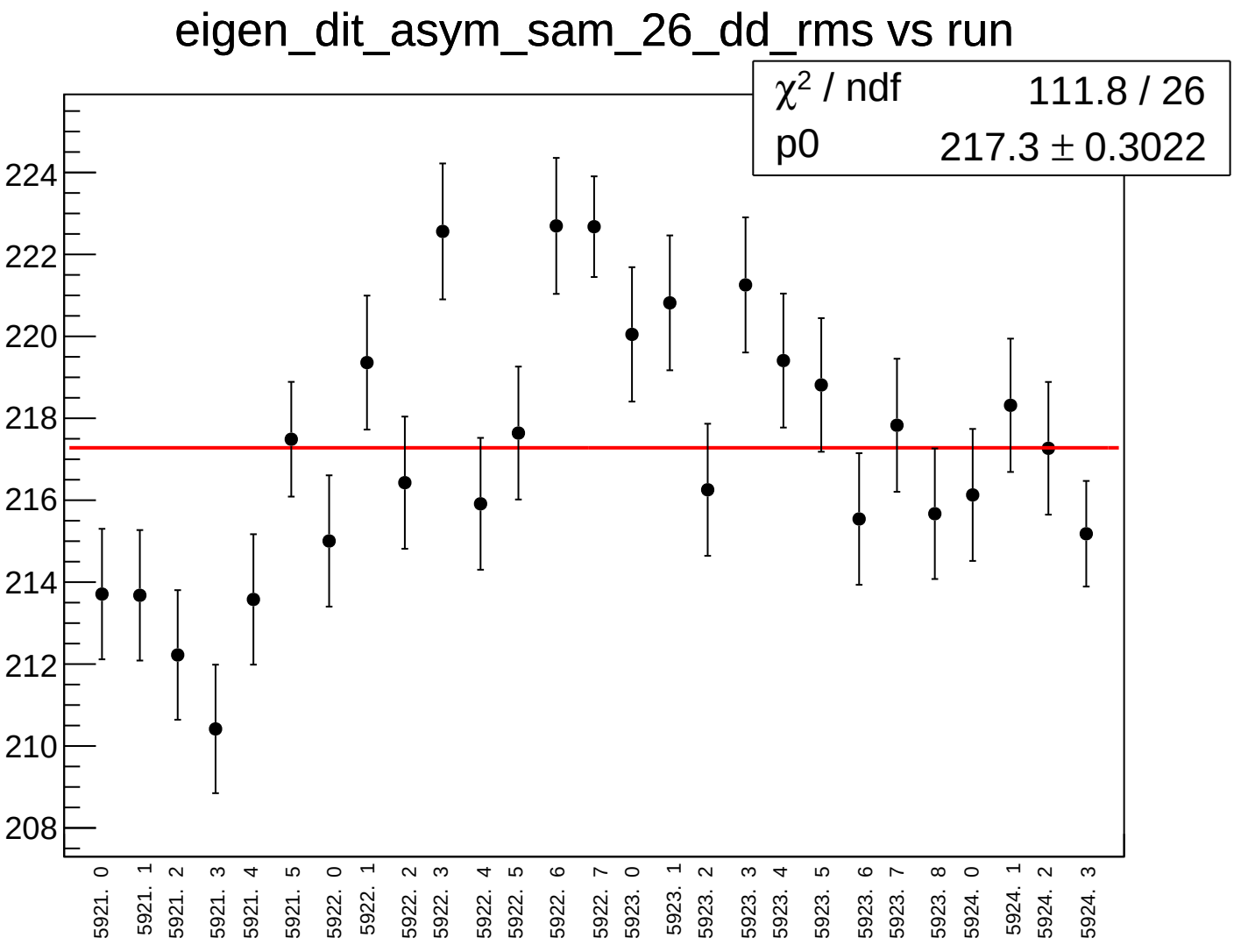

dit_asym_sam_26_dd_rms vs run
χ² / ndf 111.8 / 26
p0 217.3 ± 0.3022
224
222
220
218
216
214
212
210
208
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

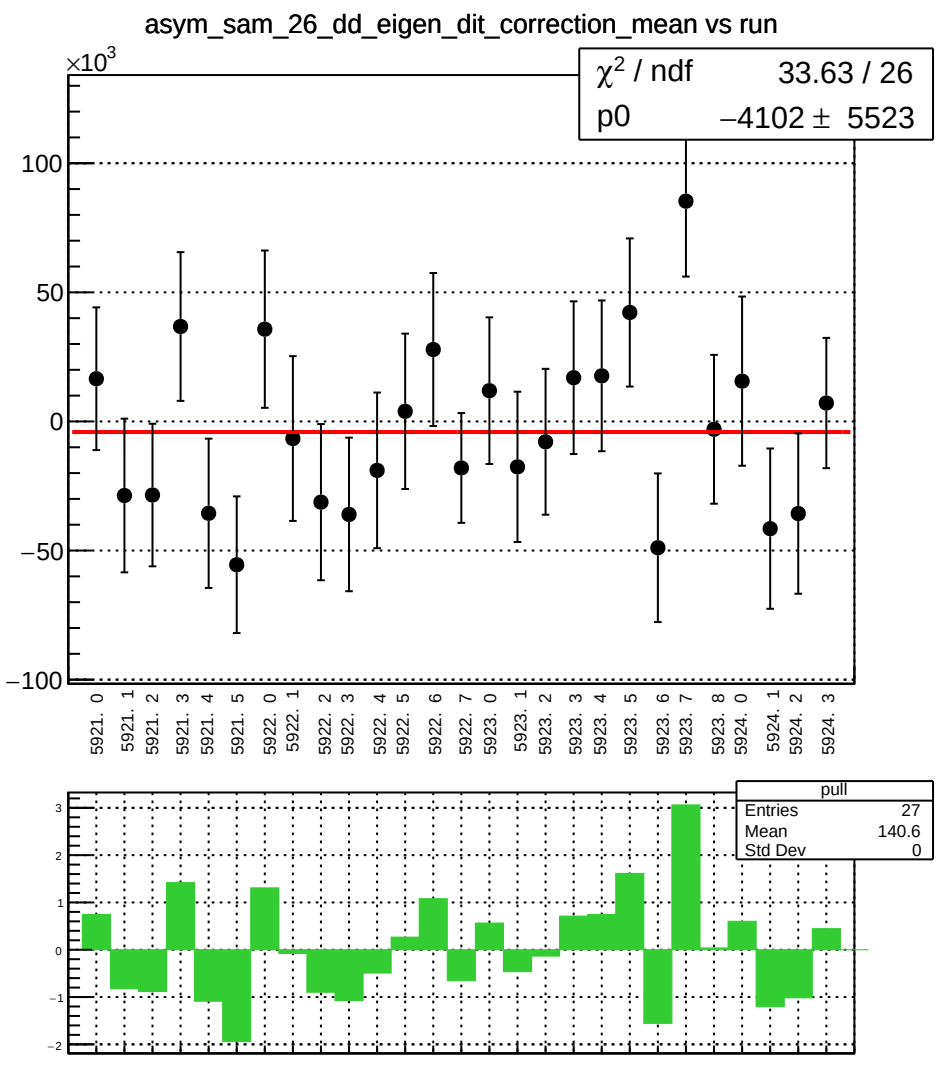

asym_sam_26_dd_dit_correction_mean vs run
χ² / ndf 33.63 / 26
p0 −4102 ± 5523
×10³
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 140.6
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.01072
Std Dev 1.116
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

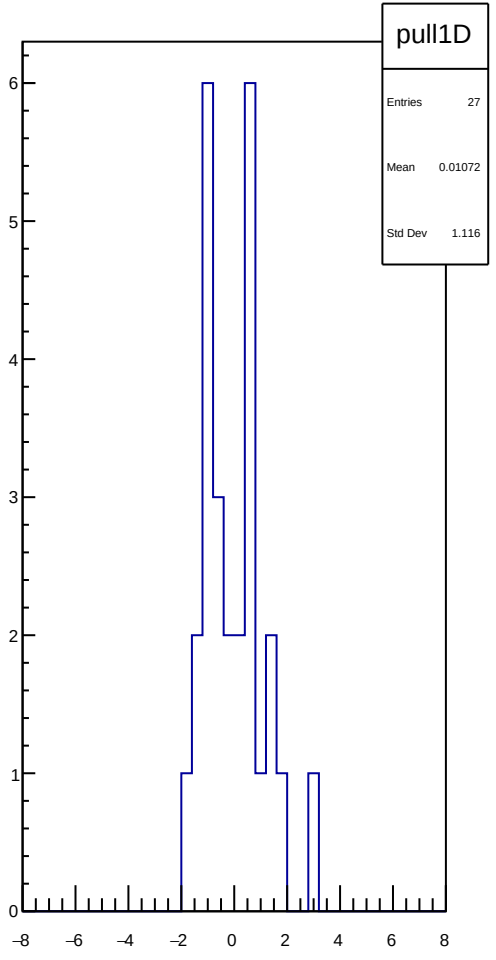

asym_sam_26_dd_dit_correction_rms vs run
χ² / ndf 857.2 / 26
p0 2806 ± 3.905
3100
3000
2900
2800
2700
2600
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

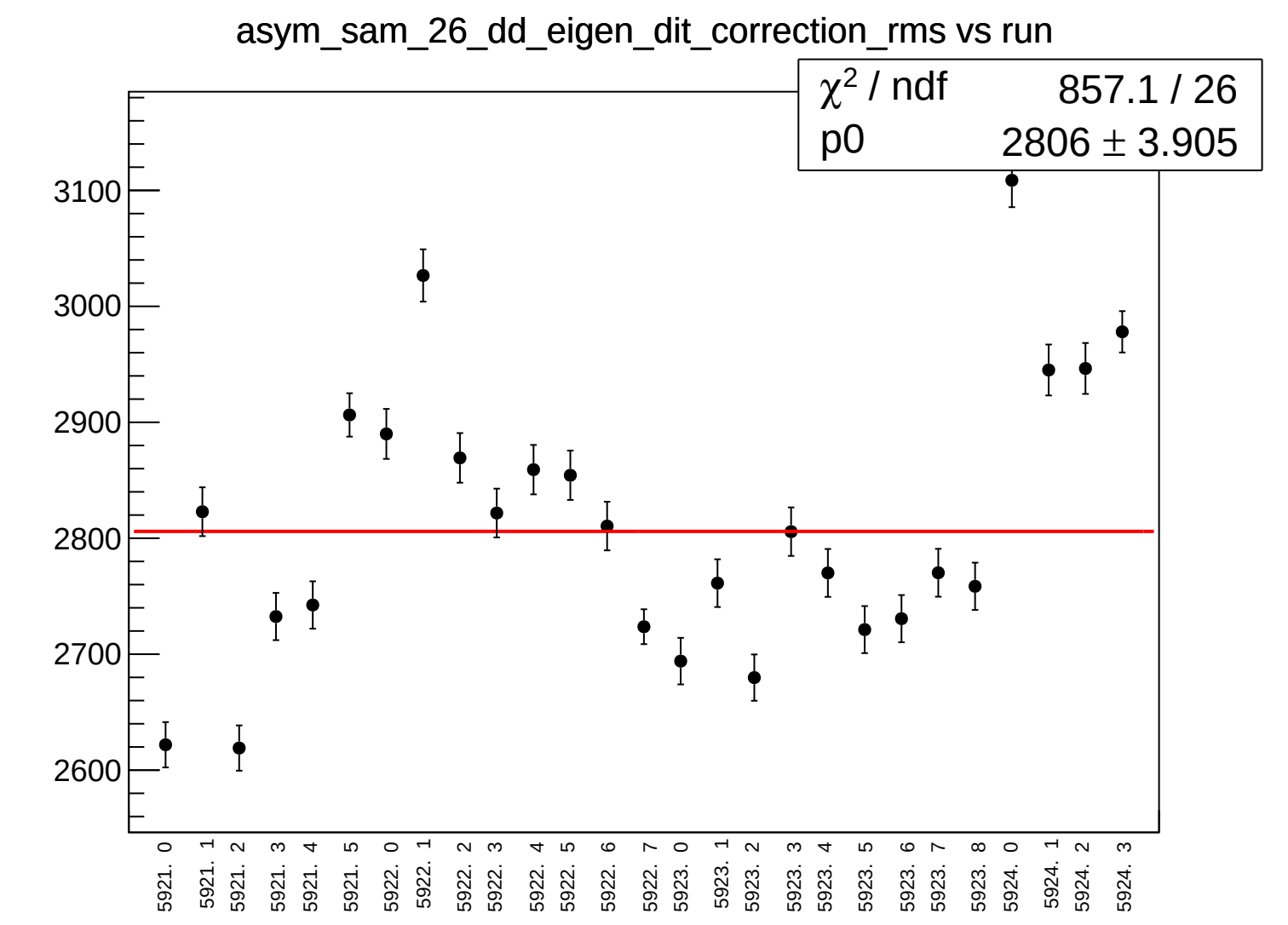

eigen_dit_asym_sam_26_dd_mean vs run
χ² / ndf 29.03 / 26
p0 −42.19 ± 427.4
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −117.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

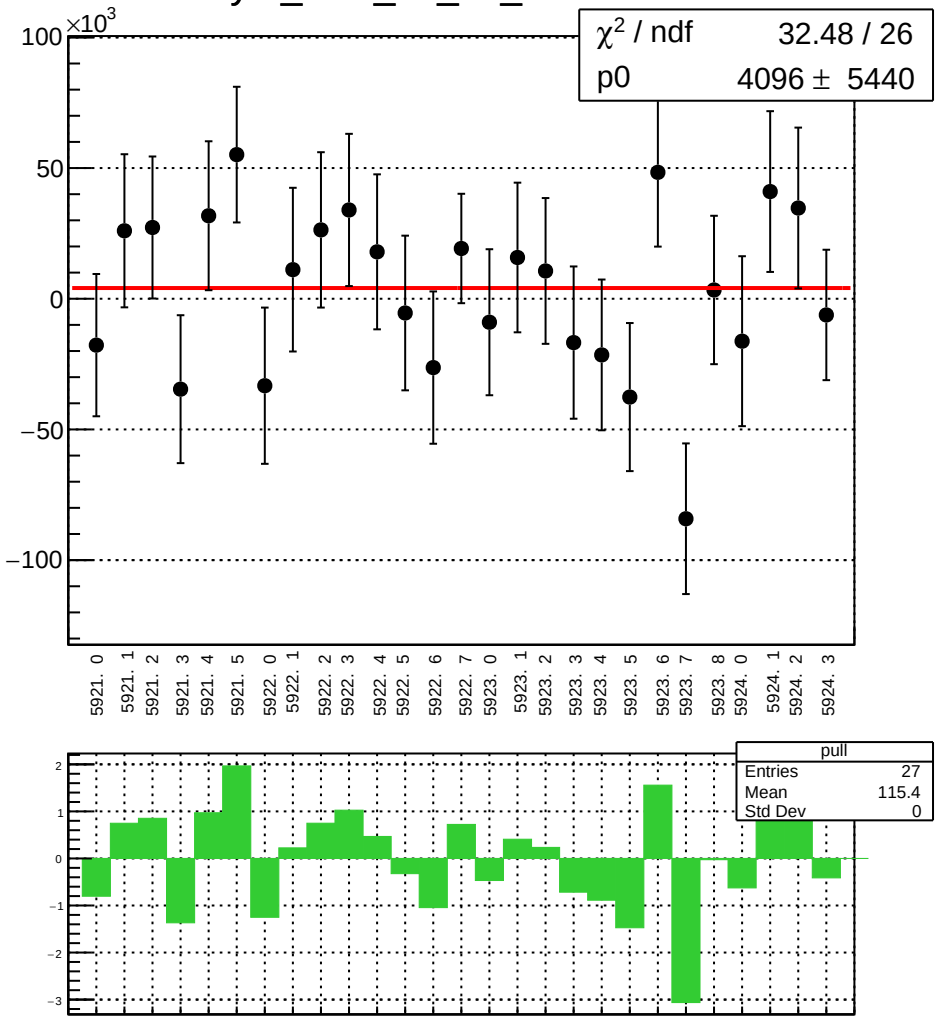

pull1D
Entries 27
Mean −0.01087
Std Dev 1.037
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

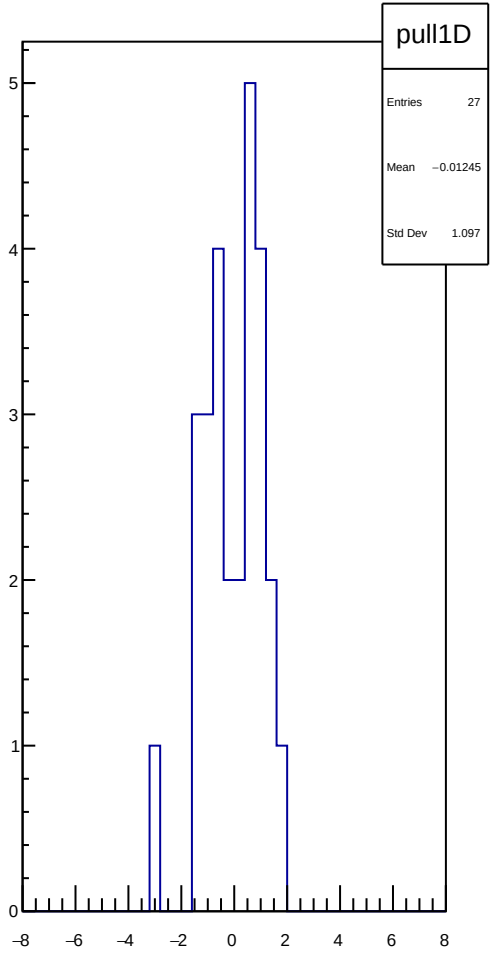

eigen_dit_asym_sam_26_dd_rms vs run
χ² / ndf 111.8 / 26
p0 217.3 ± 0.3022
224
222
220
218
216
214
212
210
208
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

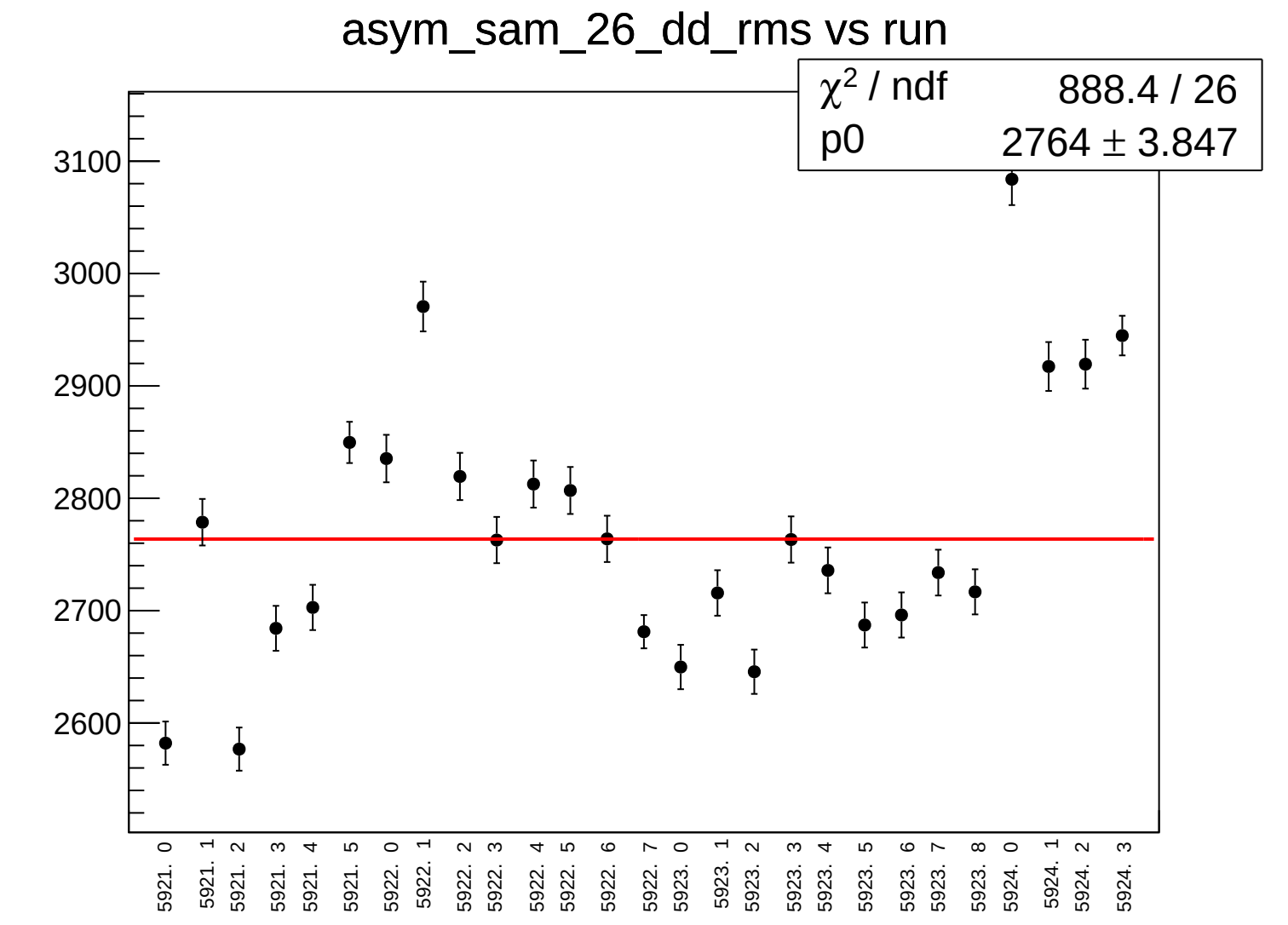

asym_sam_26_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 33.63 / 26
p0 −4102 ± 5523
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 140.6
Std Dev 0
3
2
1
0
−1
−2

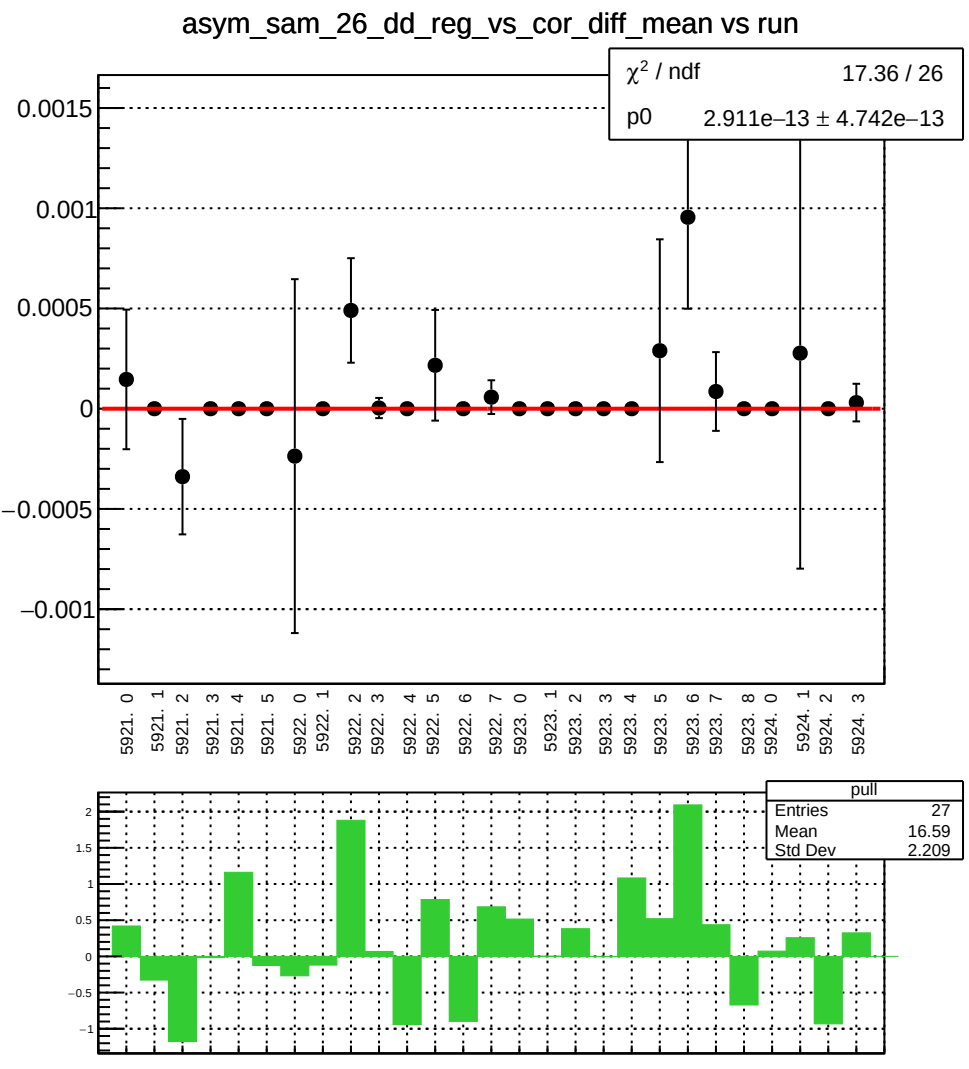

pull1D
Entries 27
Mean 0.01072
Std Dev 1.116
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

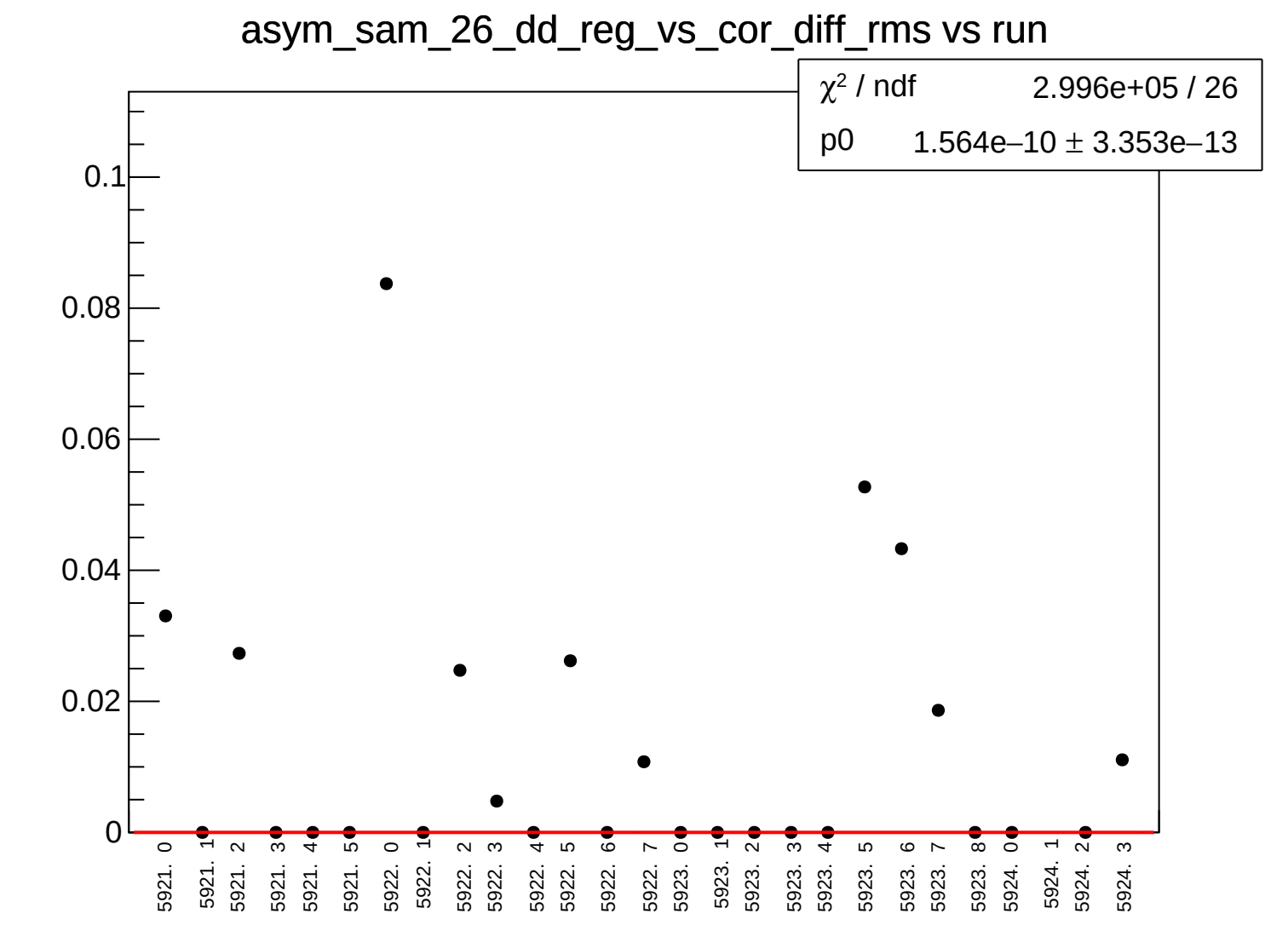

asym_sam_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 857.1 / 26
p0 2806 ± 3.905
3100
3000
2900
2800
2700
2600
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

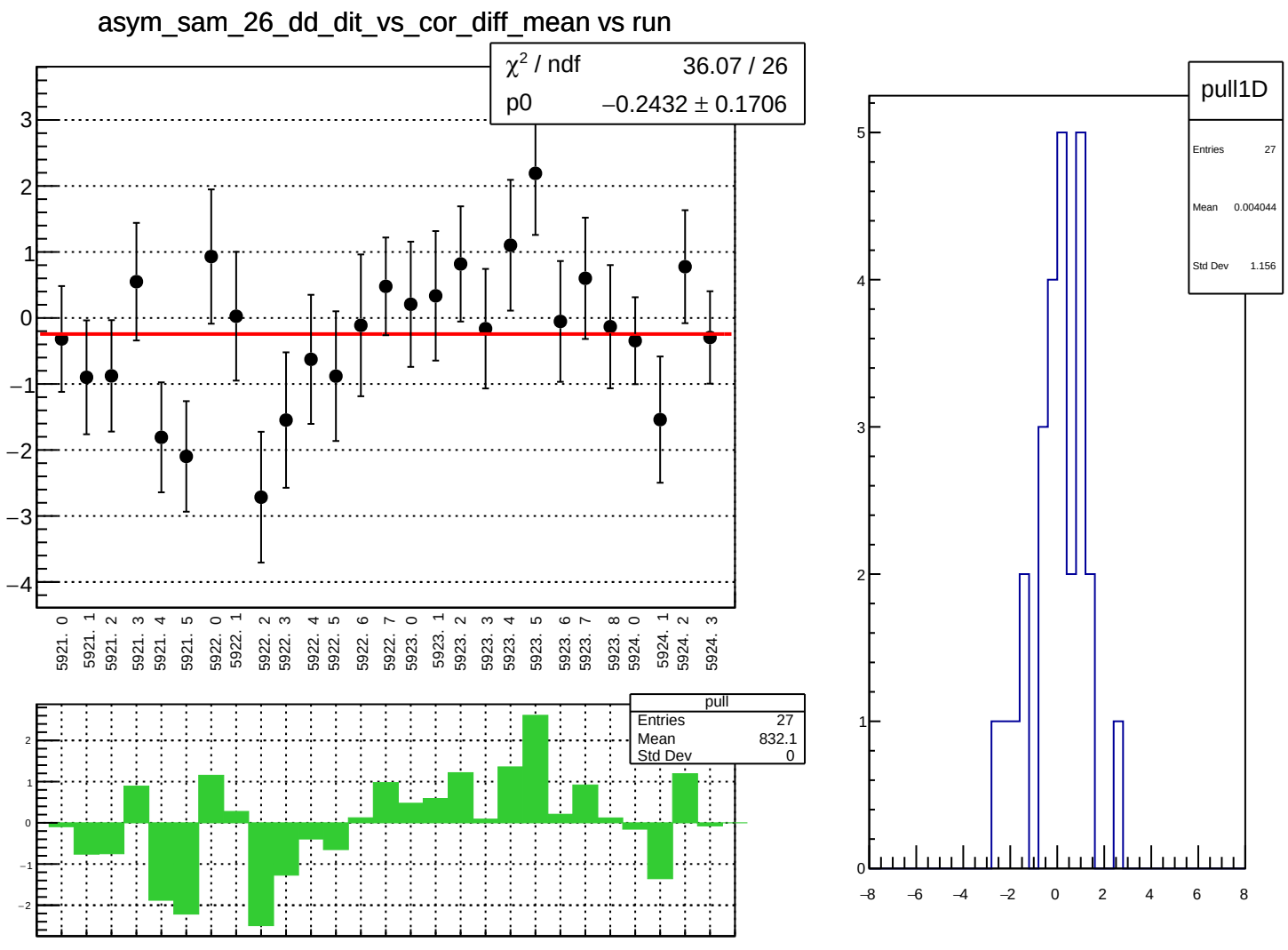

asym_sam_26_dd_mean vs run
χ² / ndf 32.48 / 26
p0 4096 ± 5440
×10³
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 115.4
Std Dev 0
2
1
0
−1
−2
−3

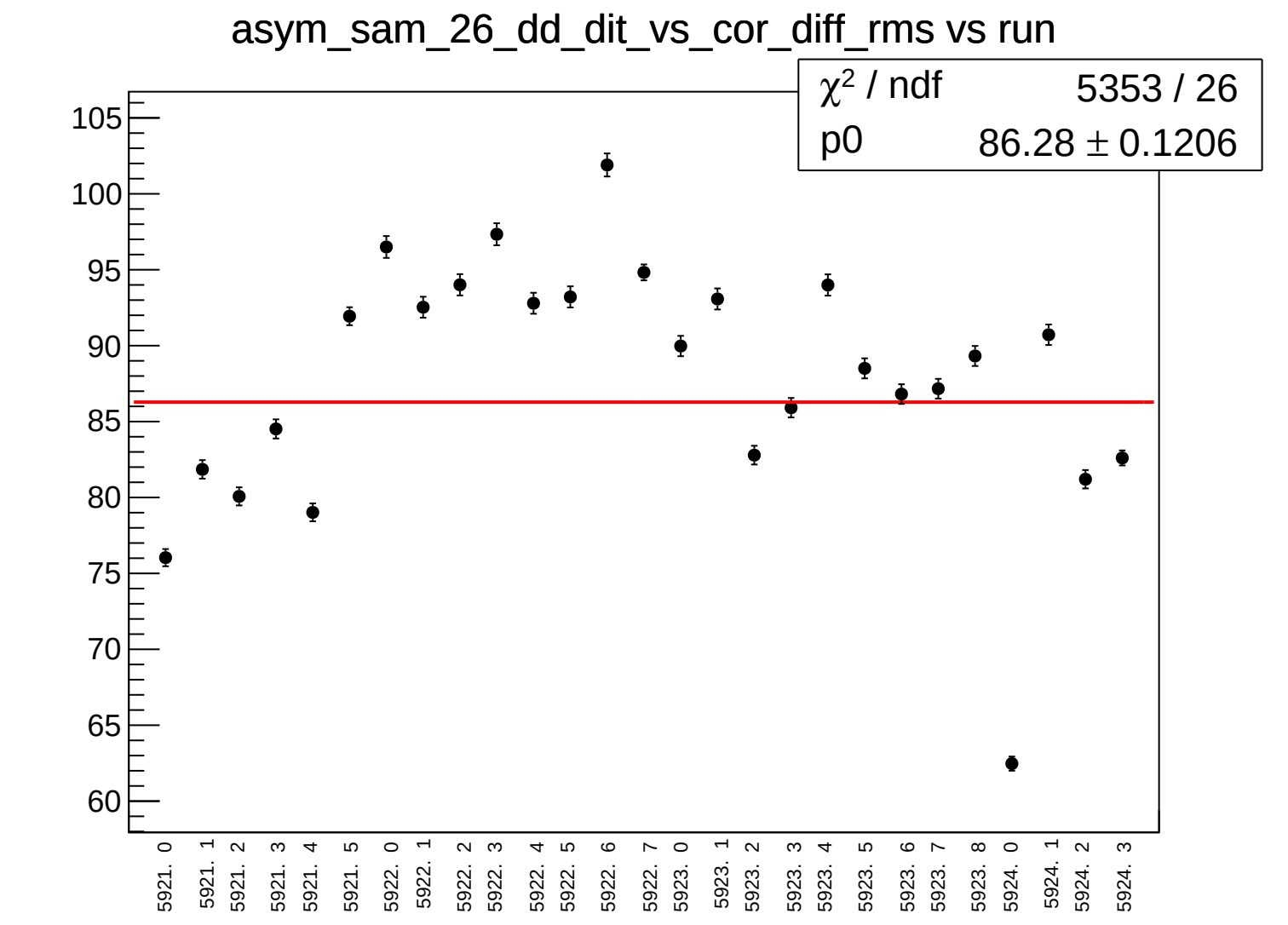

pull1D
Entries 27
Mean −0.01245
Std Dev 1.097
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_26_dd_rms vs run
χ² / ndf 888.4 / 26
p0 2764 ± 3.847
3100
3000
2900
2800
2700
2600
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

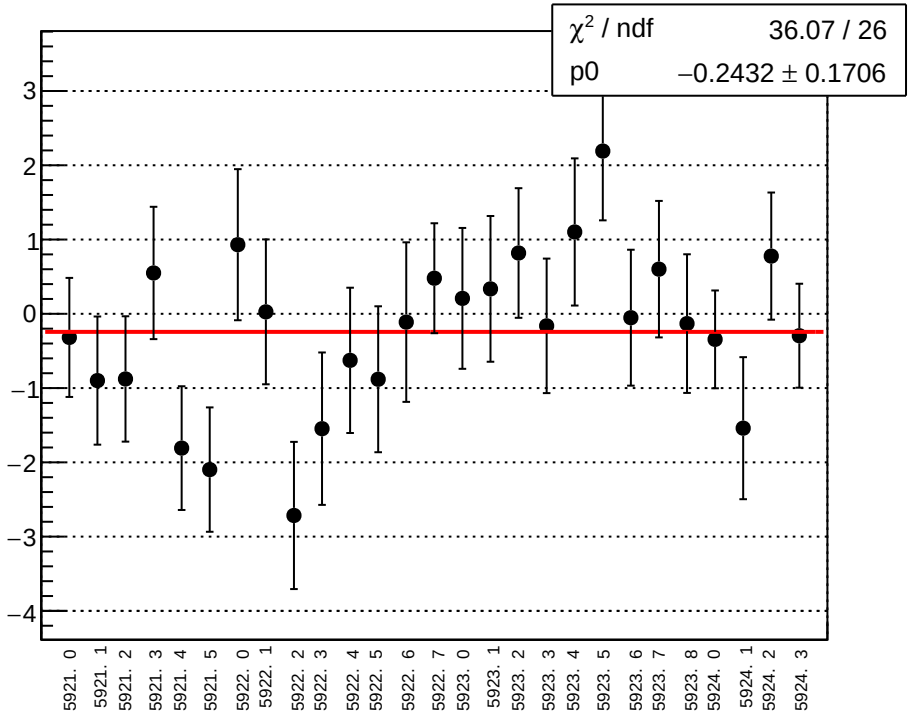

asym_sam_26_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 17.36 / 26
p0 2.911e−13 ± 4.742e−13
0.0015
0.001
0.0005
0
−0.0005
−0.001
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 16.59
Std Dev 2.209
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 27
Mean 0.1929
Std Dev 0.7782
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

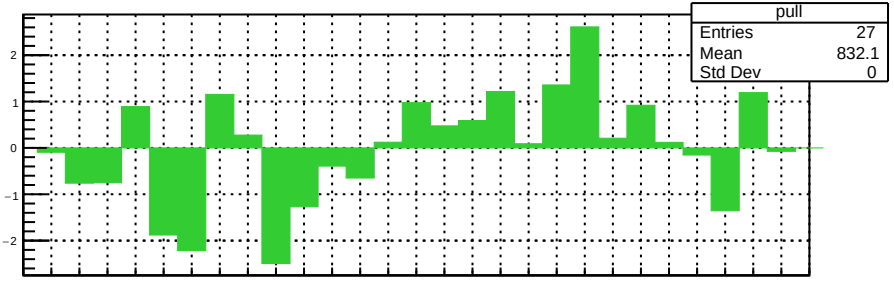

asym_sam_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 2.996e+05 / 26
p0 1.564e−10 ± 3.353e−13
0.1
0.08
0.06
0.04
0.02
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

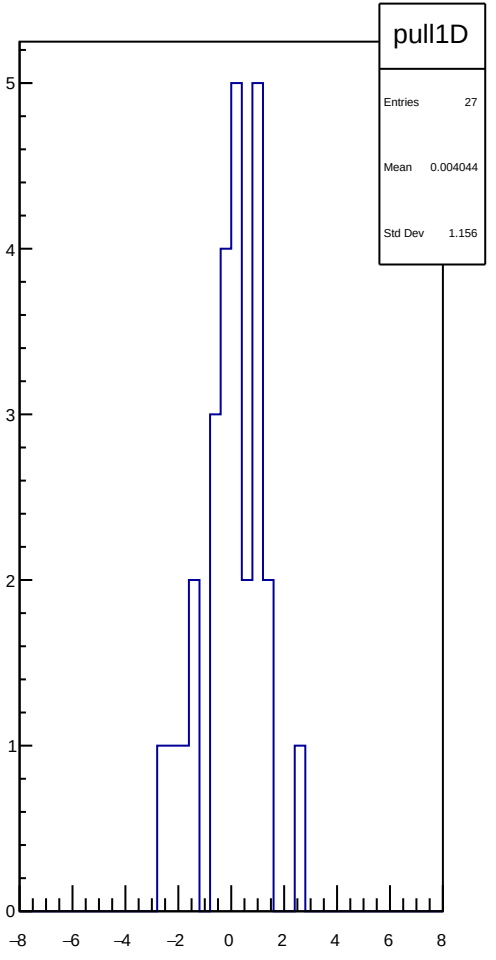

asym_sam_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 36.07 / 26
p0 −0.2432 ± 0.1706
pull
Entries 27
Mean 832.1
Std Dev 0
pull1D
Entries 27
Mean 0.004044
Std Dev 1.156

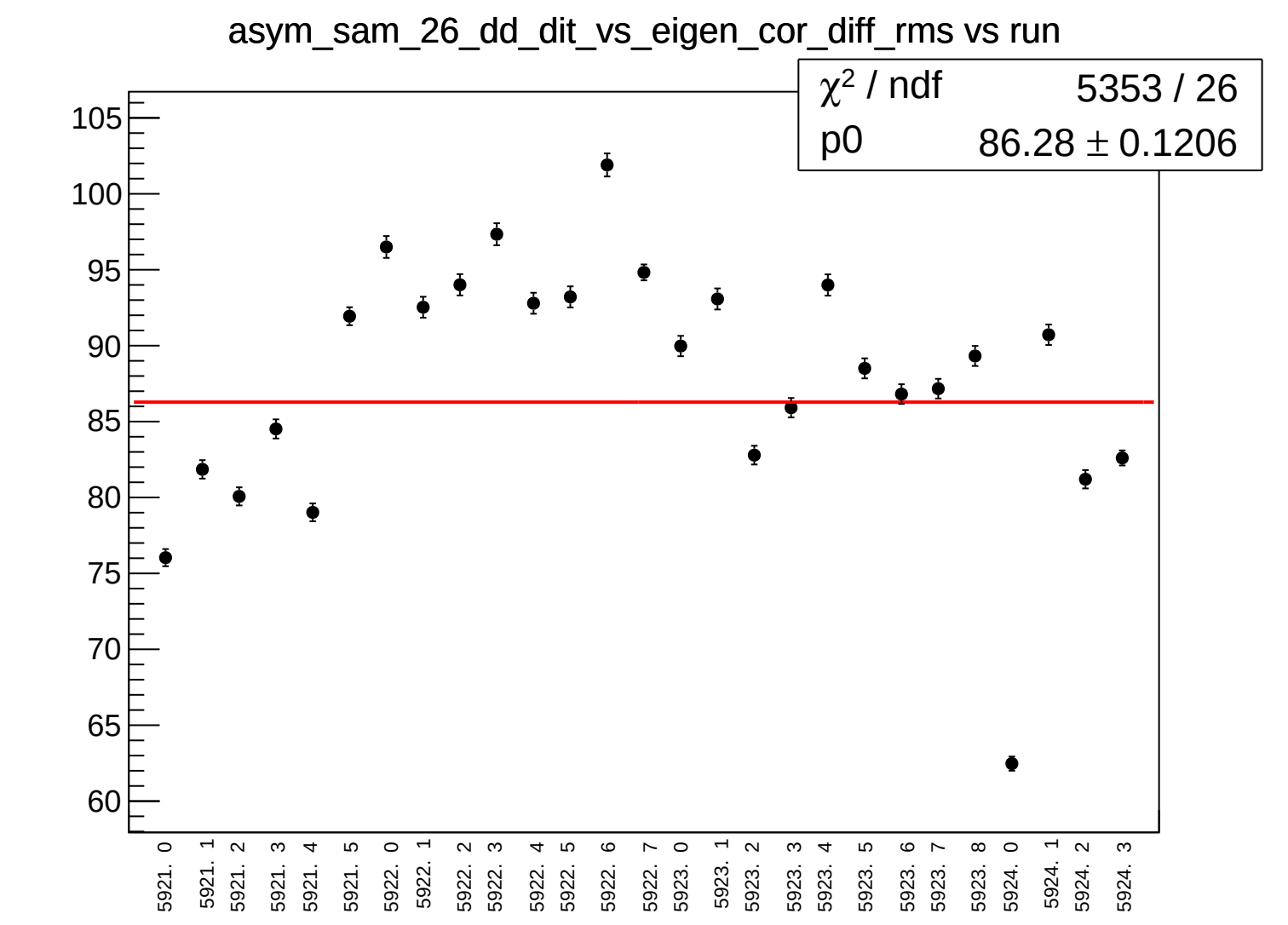

asym_sam_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5353 / 26
p0 86.28 ± 0.1206
105
100
95
90
85
80
75
70
65
60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

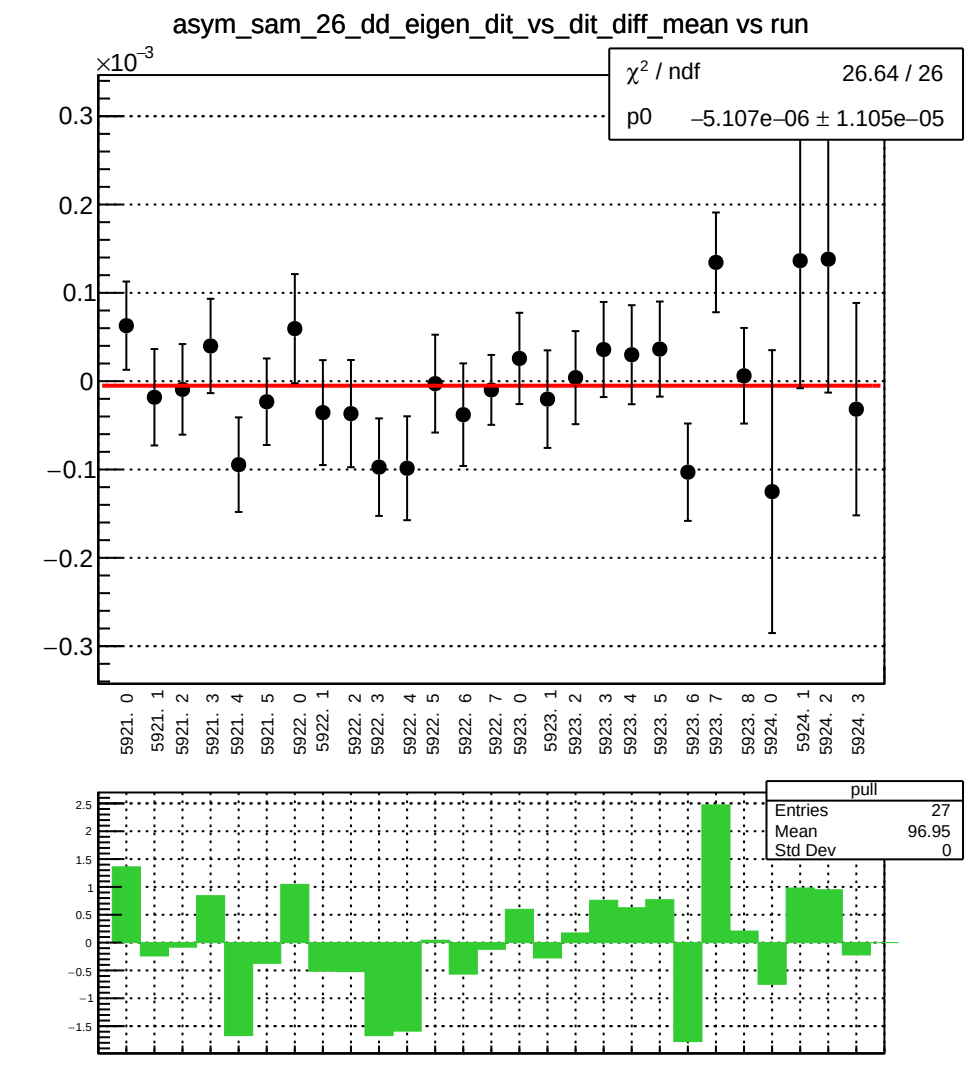
asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs run

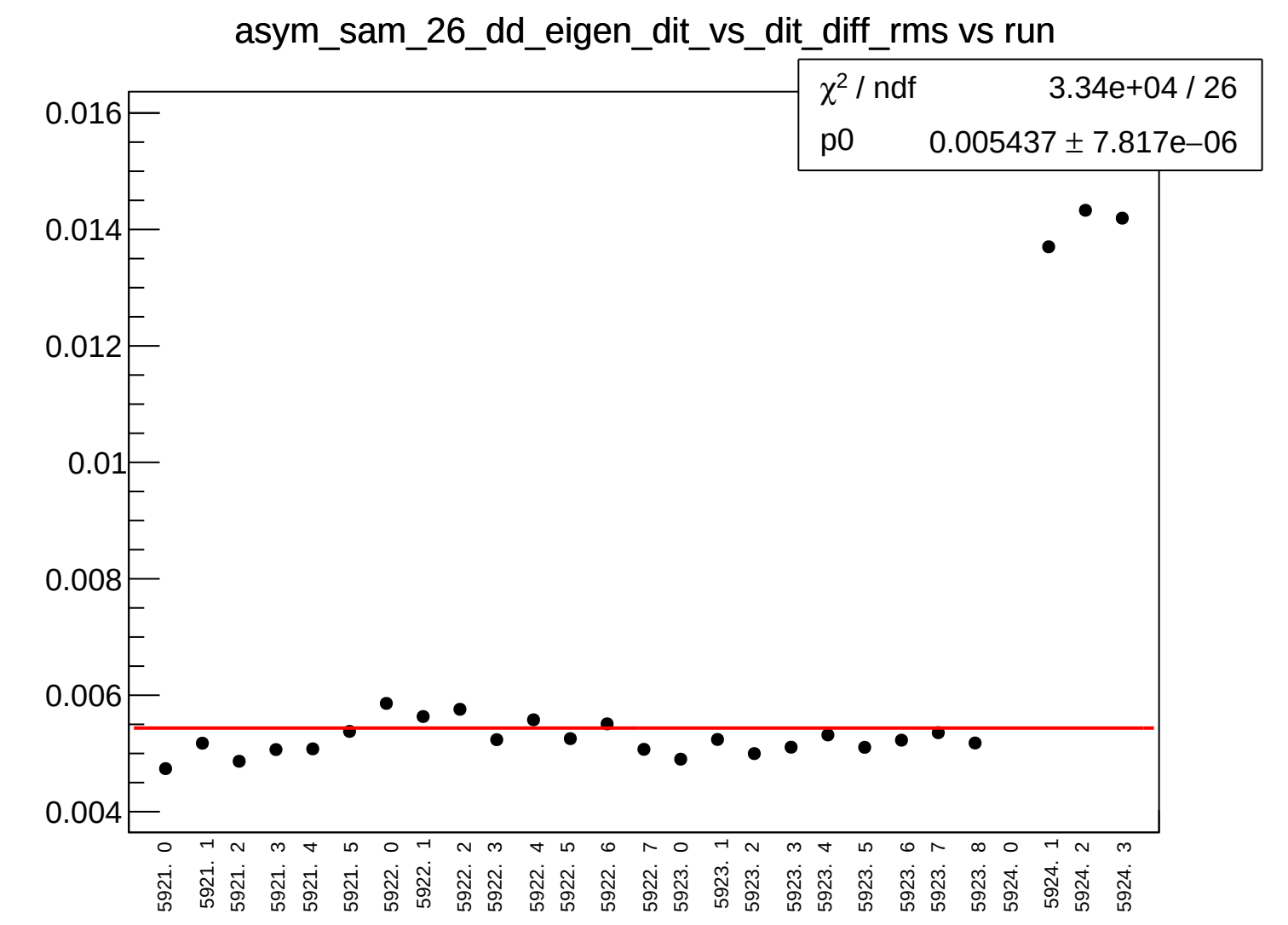


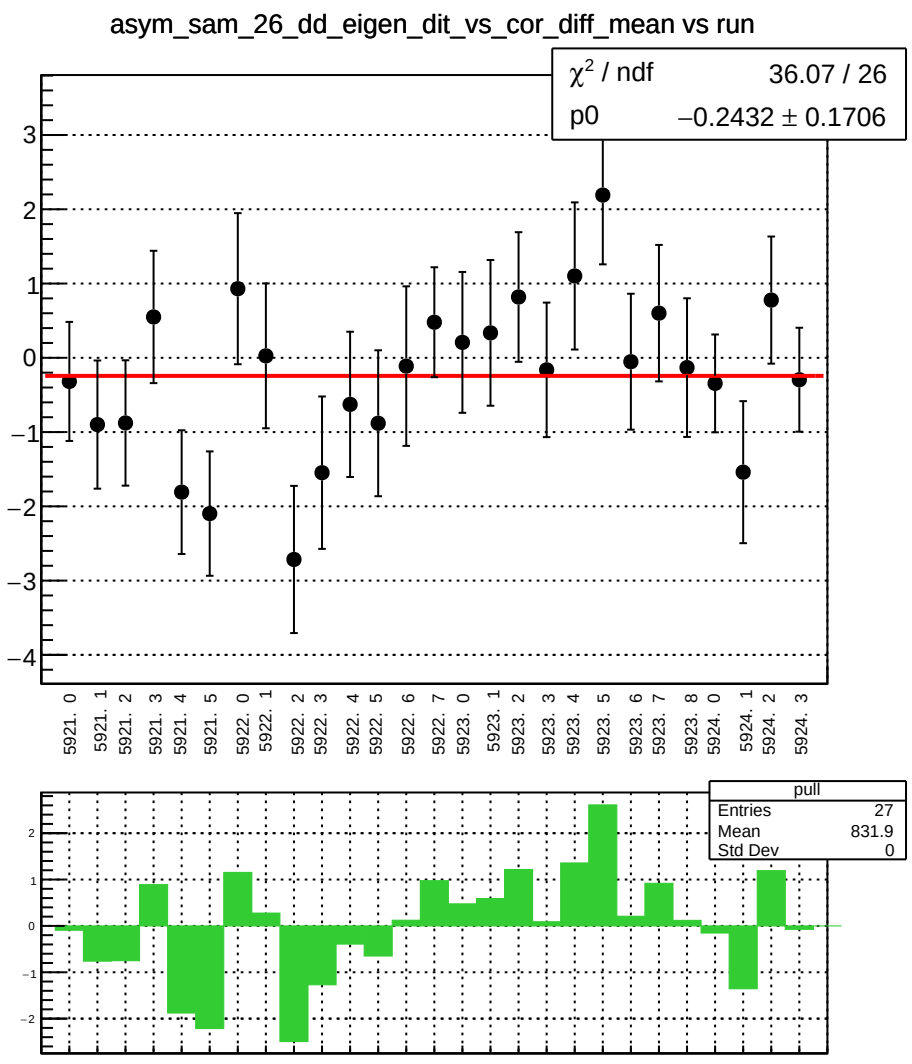


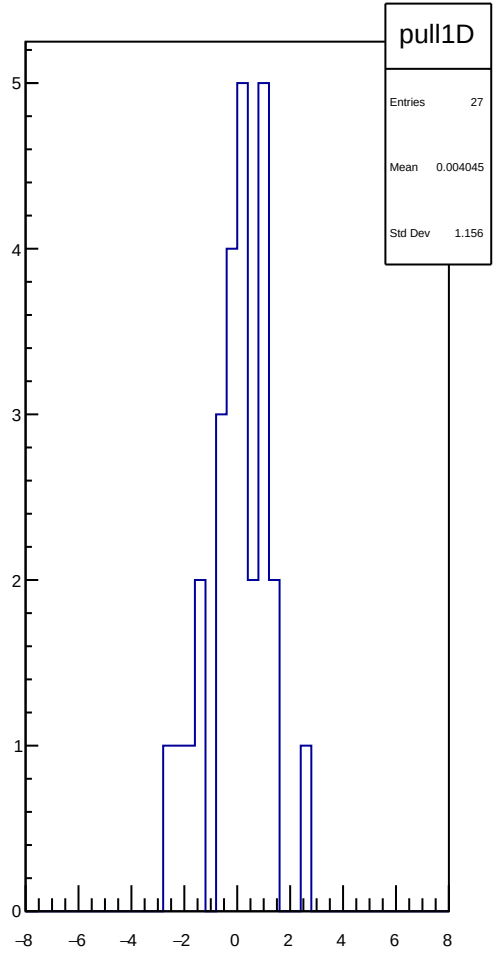


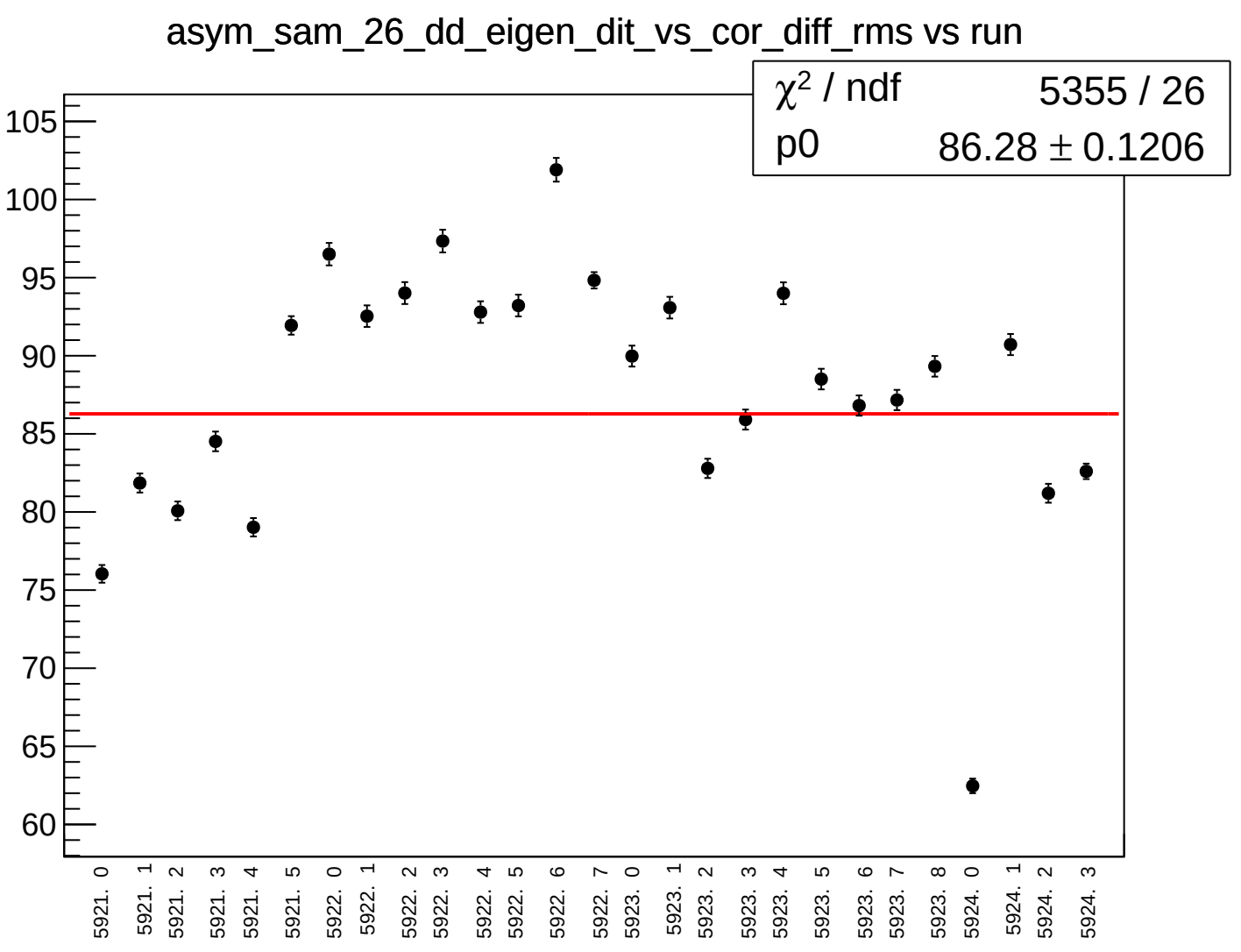

asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5353 / 26
p0 86.28 ± 0.1206
105
100
95
90
85
80
75
70
65
60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

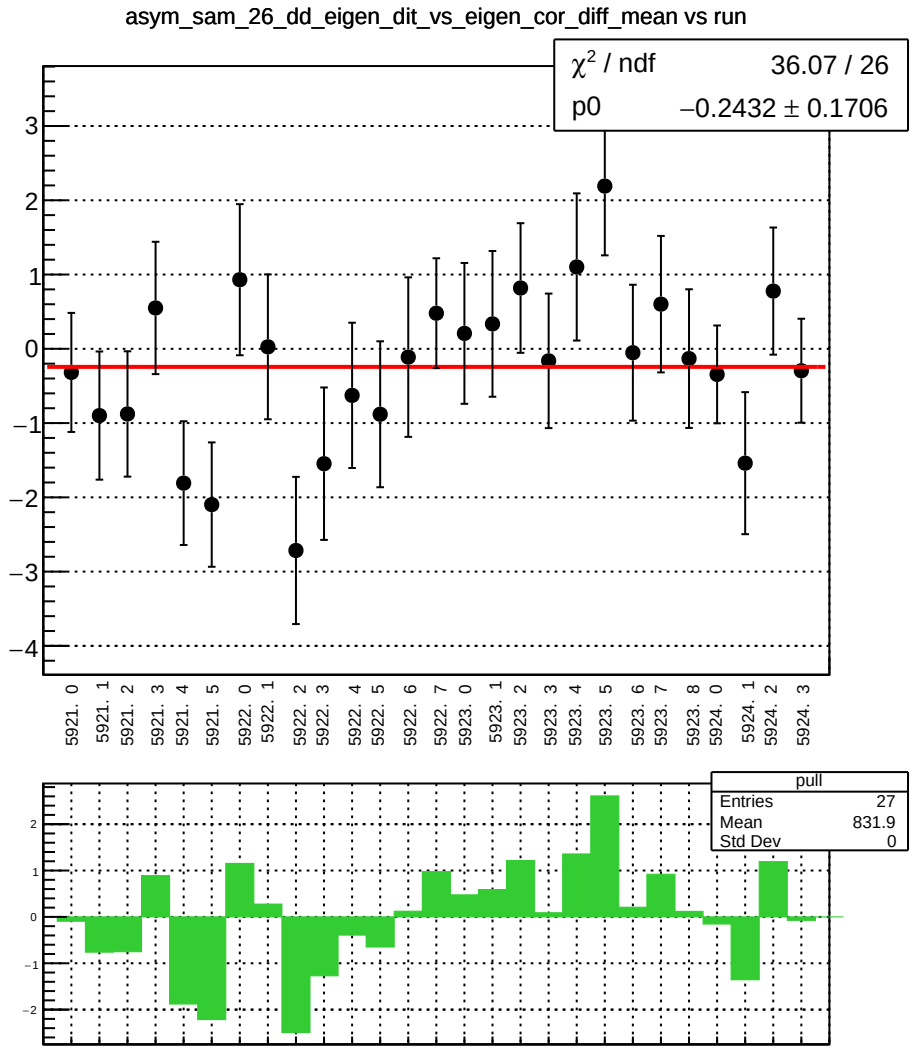

asym_sam_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 26.64 / 26
p0 −5.107e−06 ± 1.105e−05
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 96.95
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.01701
Std Dev 0.9932
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

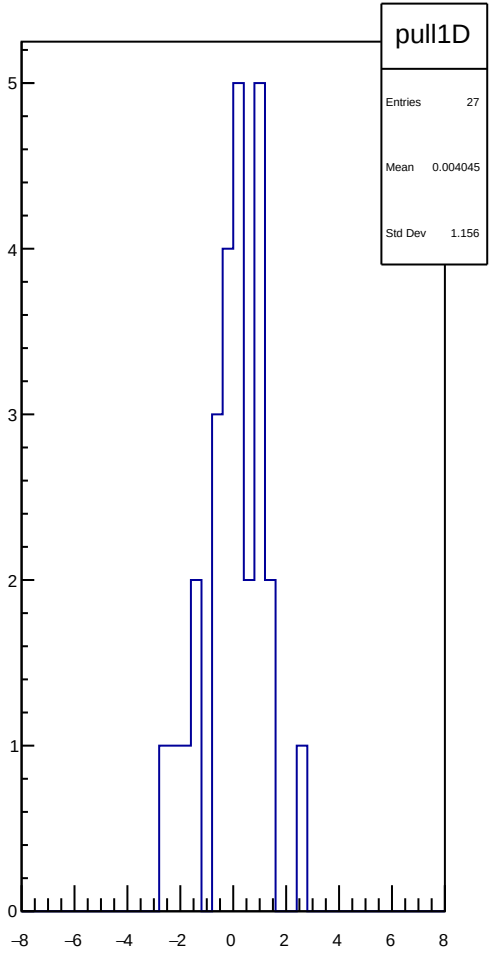

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.34e+04 / 26
p0 0.005437 ± 7.817e−06
0.016
0.014
0.012
0.01
0.008
0.006
0.004
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

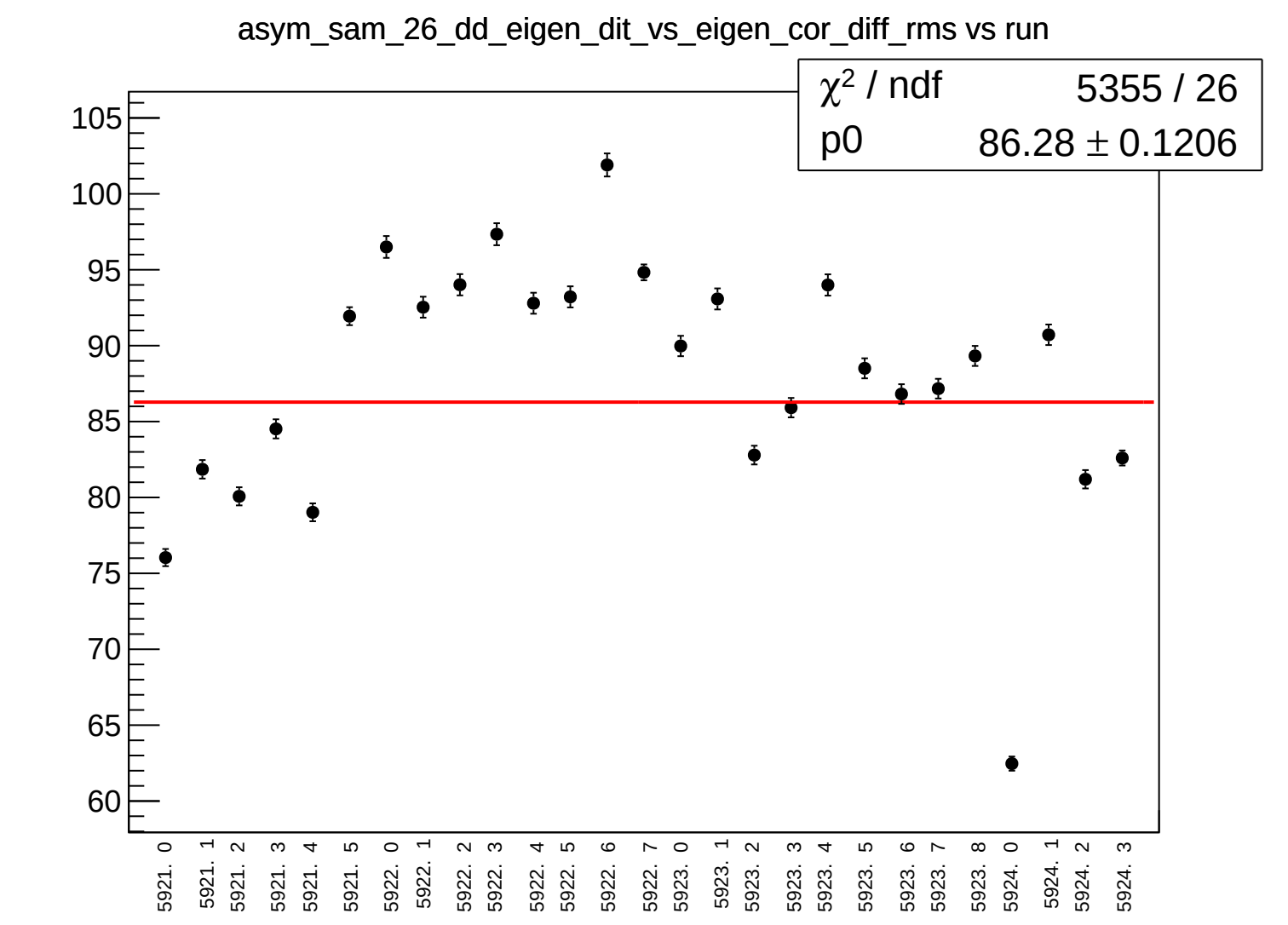

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 36.07 / 26
p0 −0.2432 ± 0.1706
pull
Entries 27
Mean 831.9
Std Dev 0

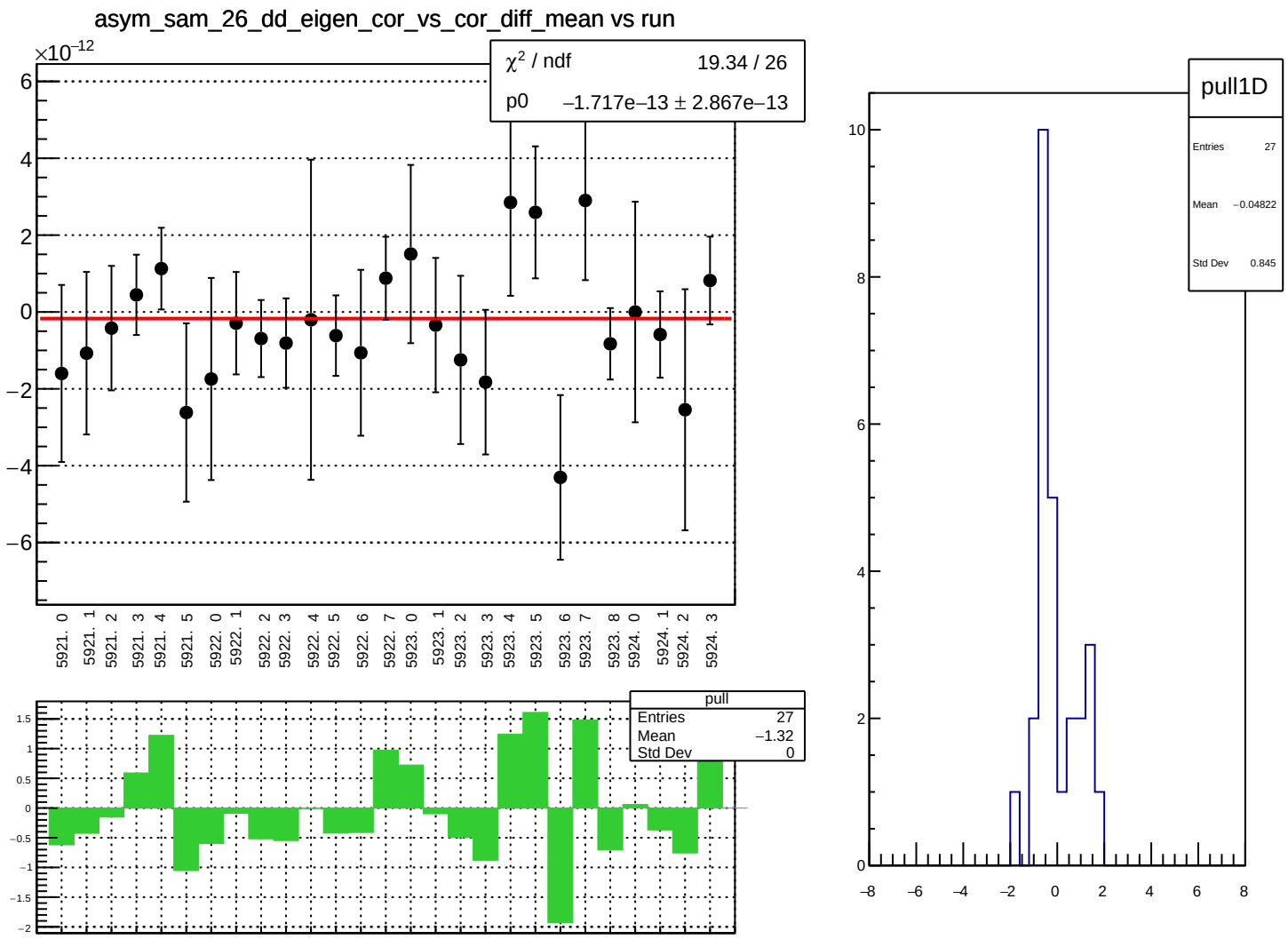

pull1D
Entries 27
Mean 0.004045
Std Dev 1.156

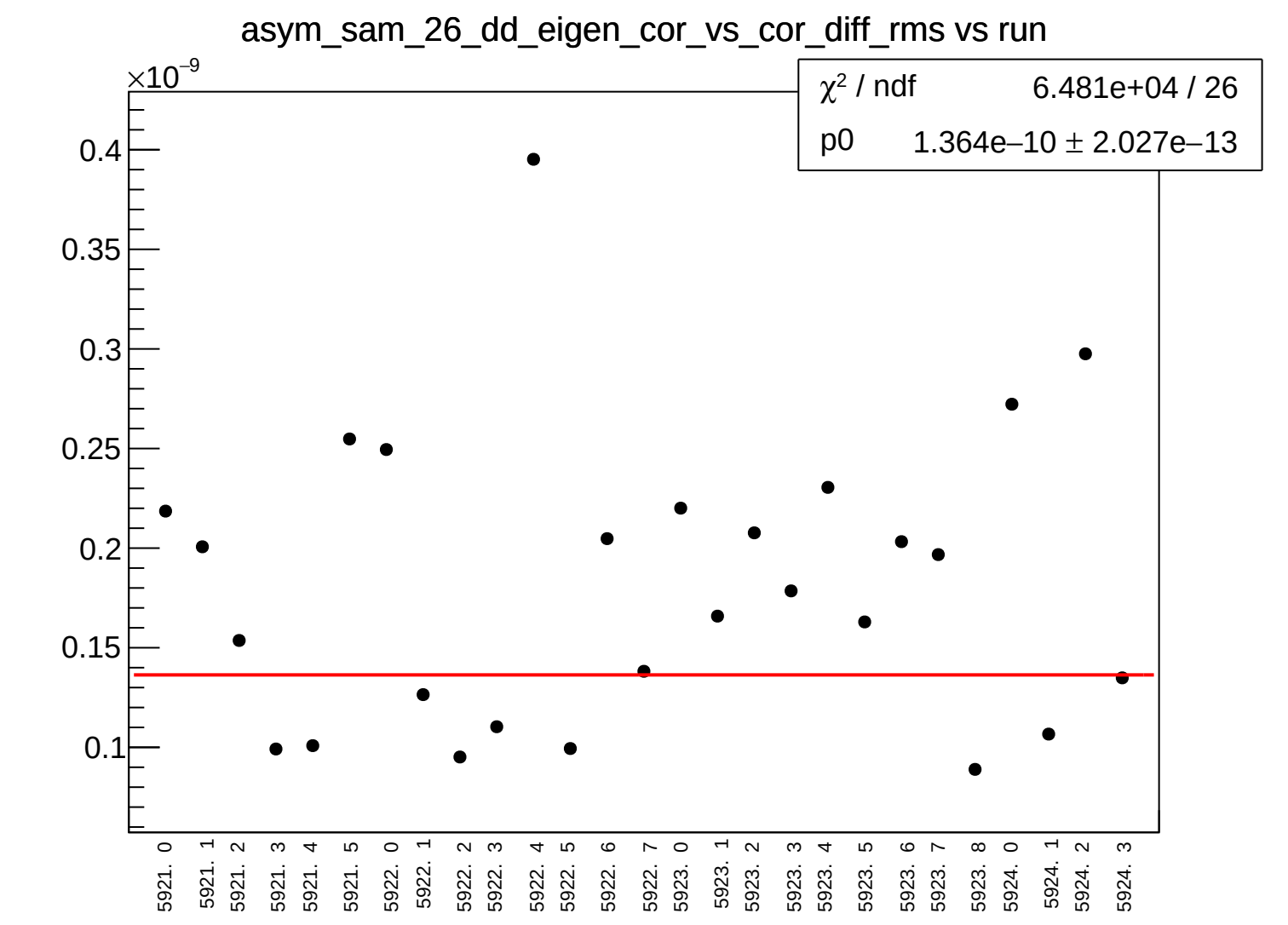

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5355 / 26
p0 86.28 ± 0.1206
105
100
95
90
85
80
75
70
65
60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

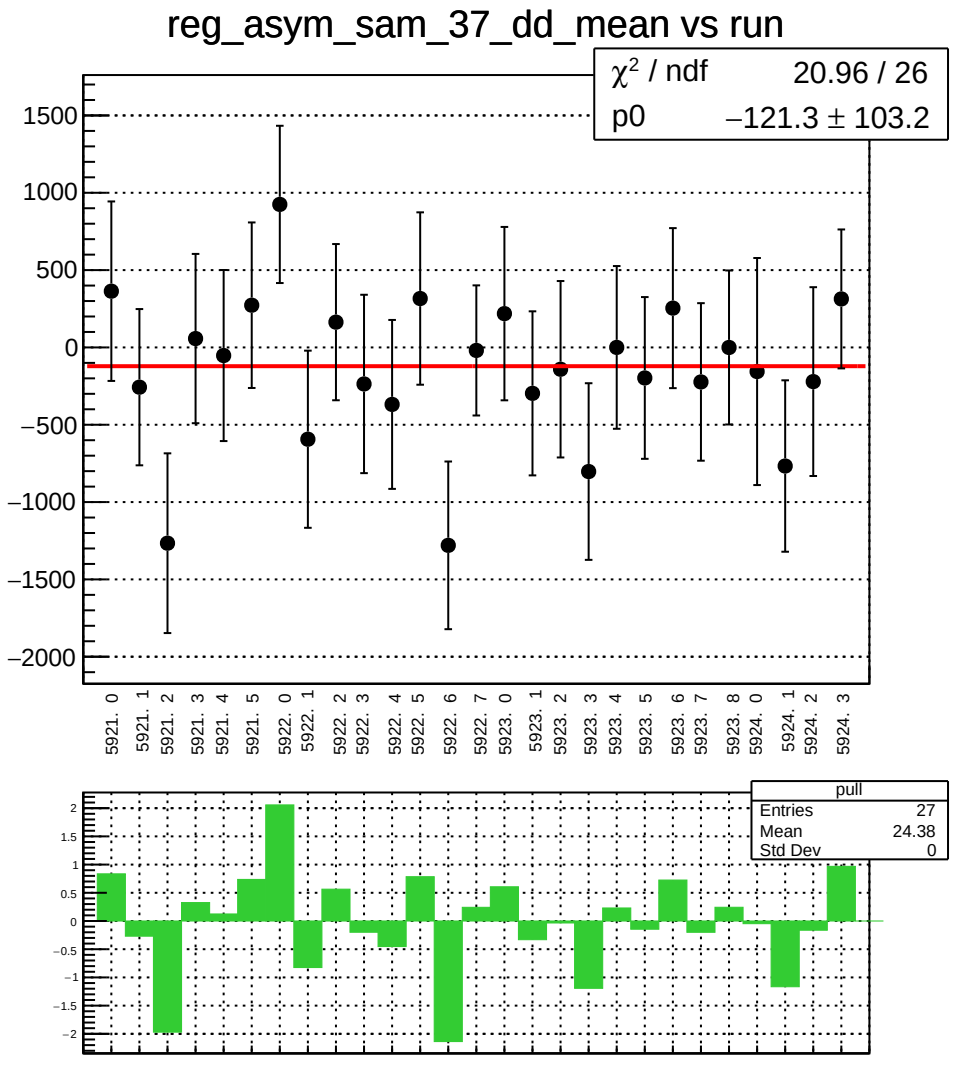

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 36.07 / 26
p0 −0.2432 ± 0.1706
pull
Entries 27
Mean 831.9
Std Dev 0

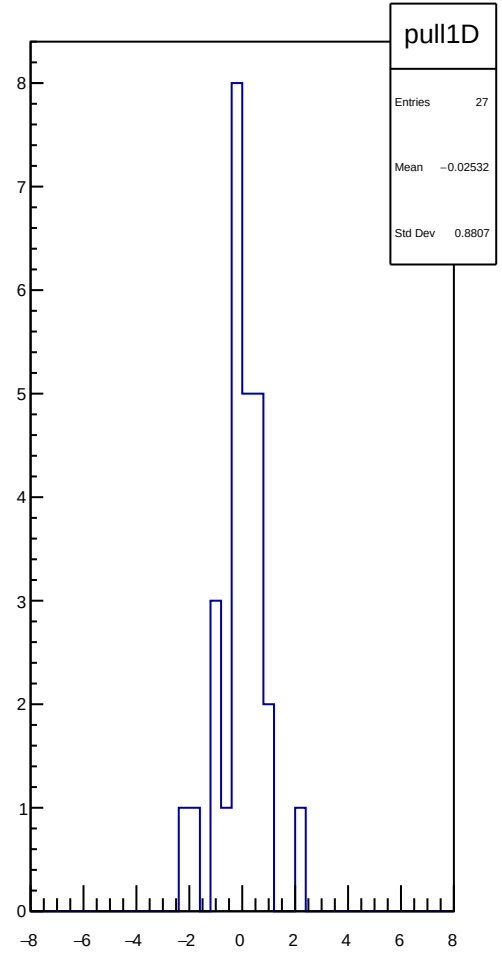

pull1D
Entries 27
Mean 0.004045
Std Dev 1.156

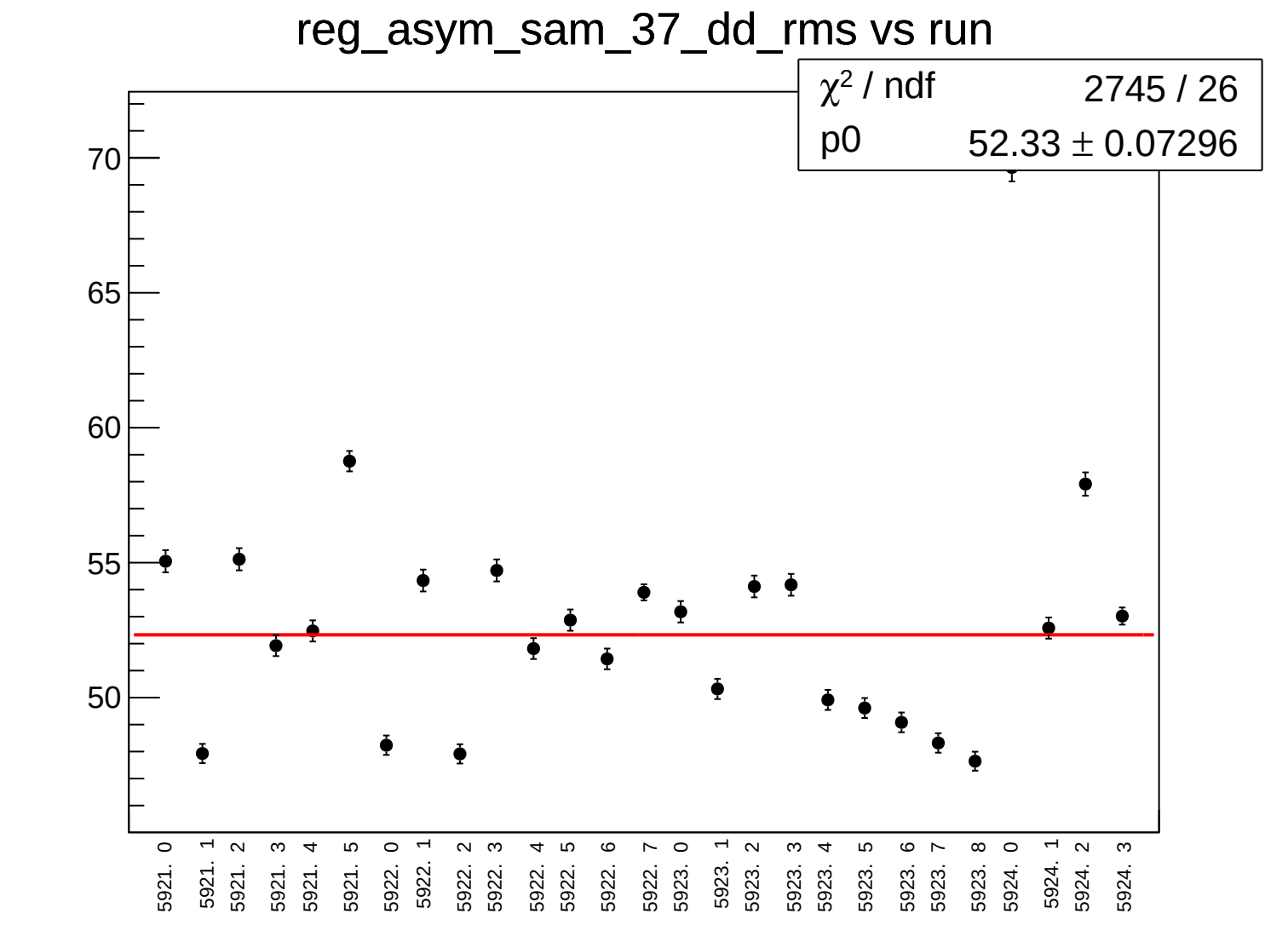

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5355 / 26
p0 86.28 ± 0.1206
105
100
95
90
85
80
75
70
65
60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

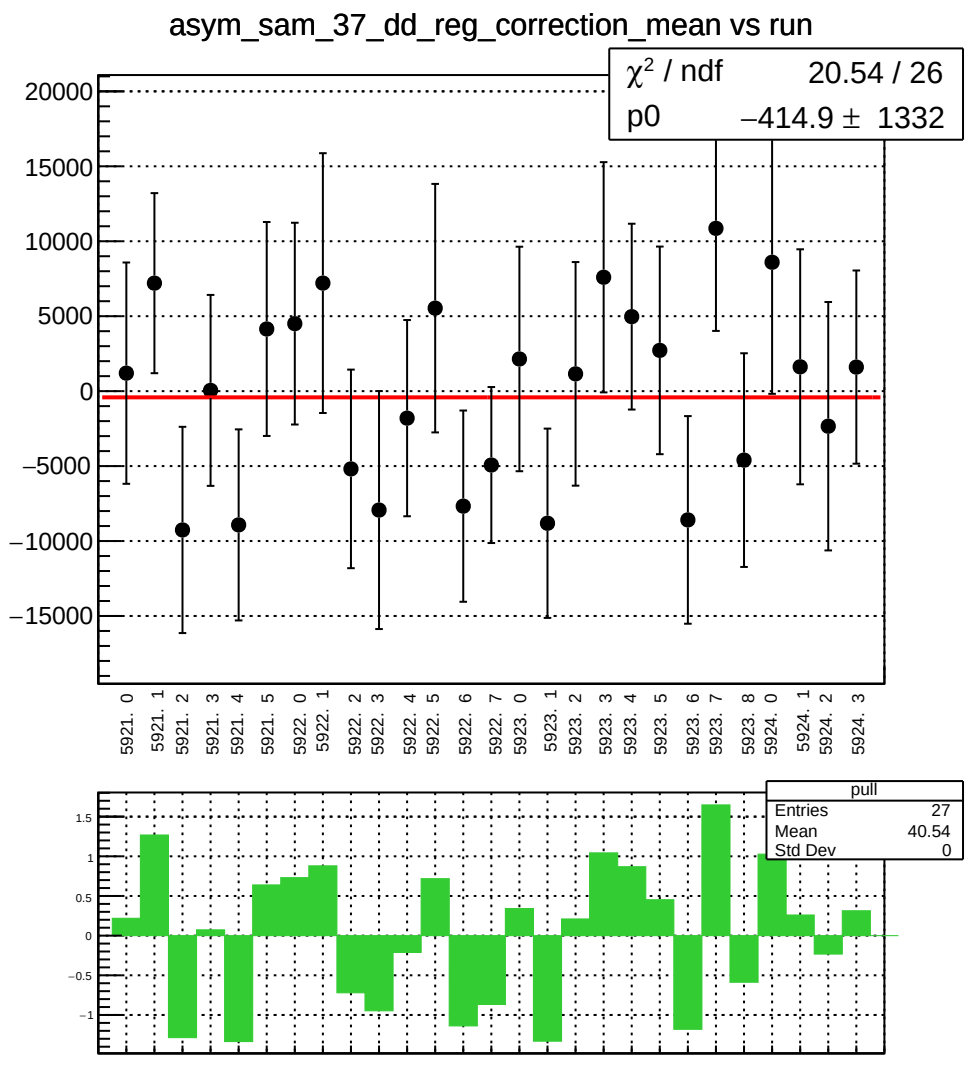

asym_sam_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 19.34 / 26
p0 −1.717e−13 ± 2.867e−13
6
4
2
0
−2
−4
−6
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −1.32
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.04822
Std Dev 0.845
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

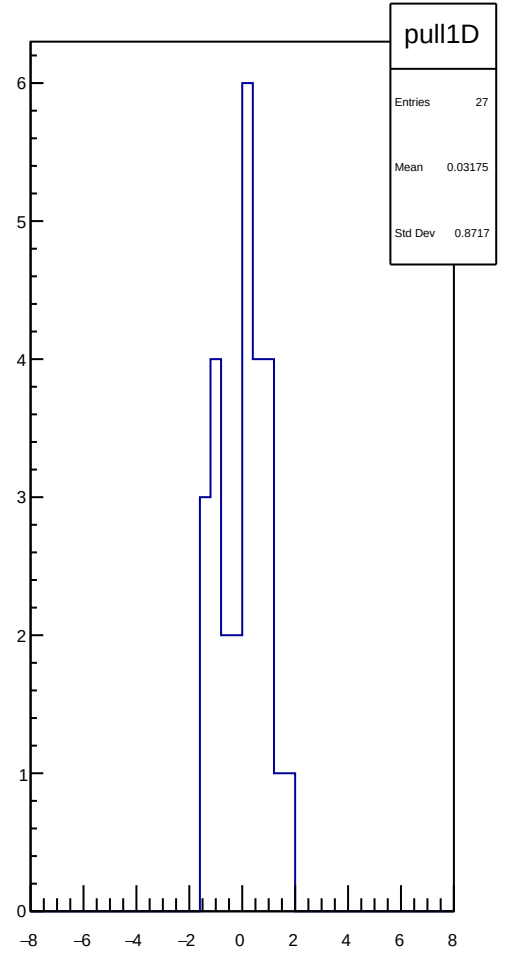

asym_sam_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.481e+04 / 26
p0 1.364e−10 ± 2.027e−13
0.4
0.35
0.3
0.25
0.2
0.15
0.1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

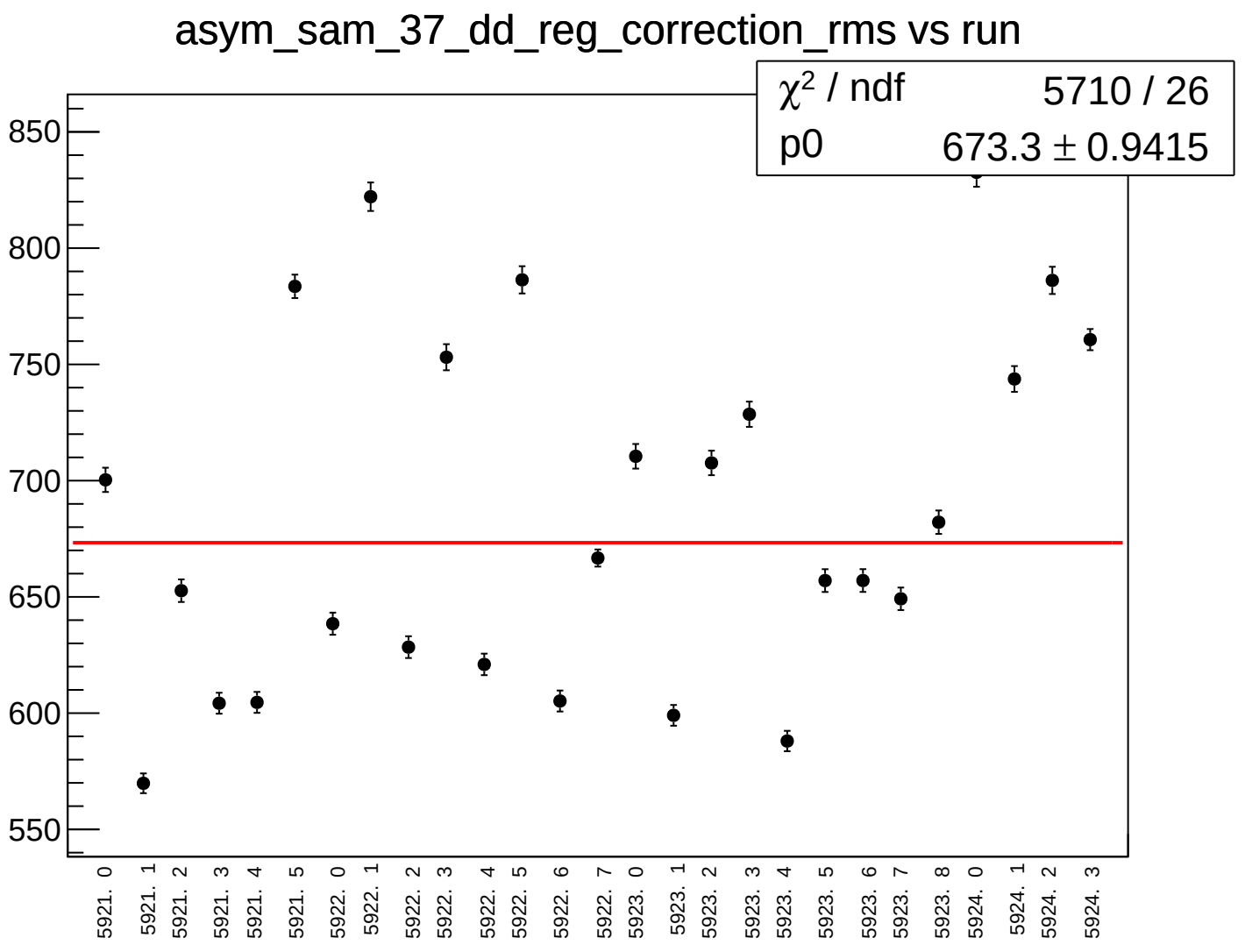

reg_asym_sam_37_dd_mean vs run
χ² / ndf 20.96 / 26
p0 −121.3 ± 103.2
1500
1000
500
0
−500
−1000
−1500
−2000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 24.38
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

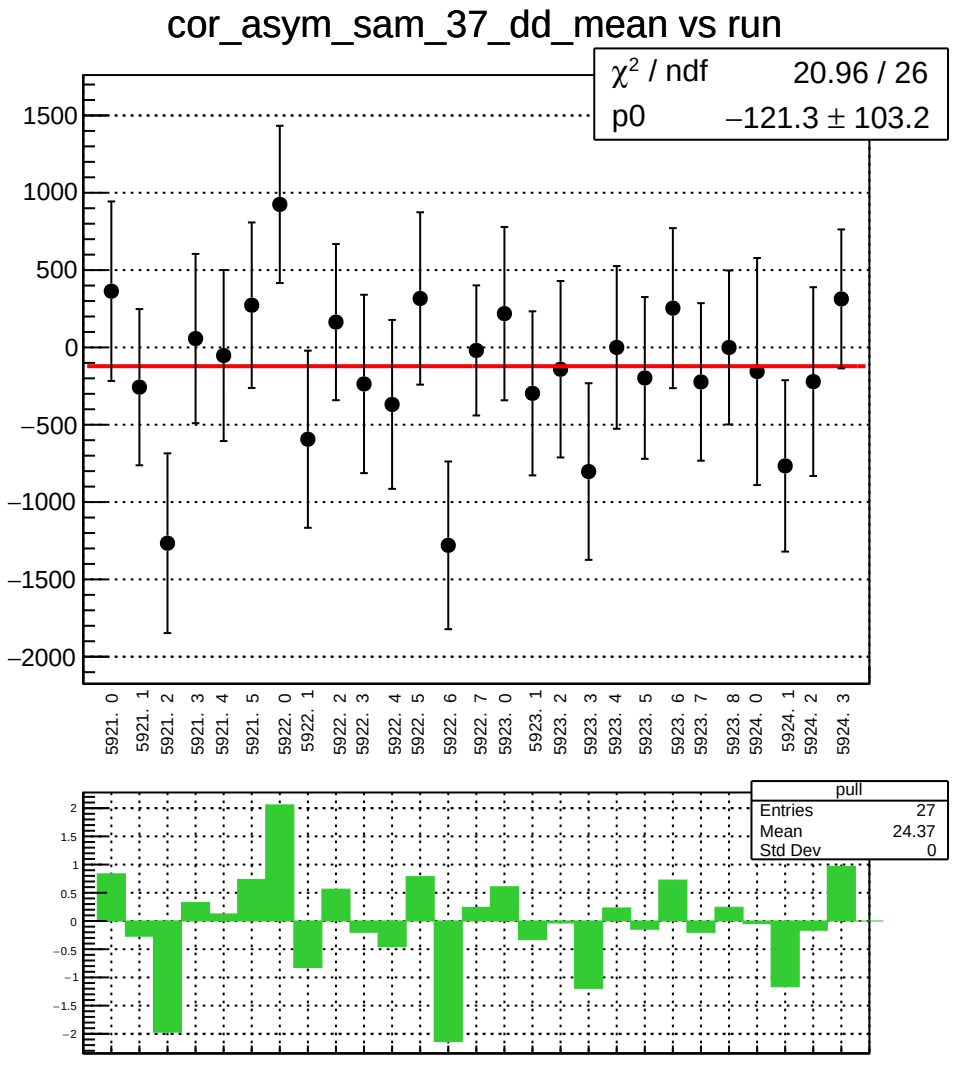

pull1D
Entries 27
Mean −0.02532
Std Dev 0.8807
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

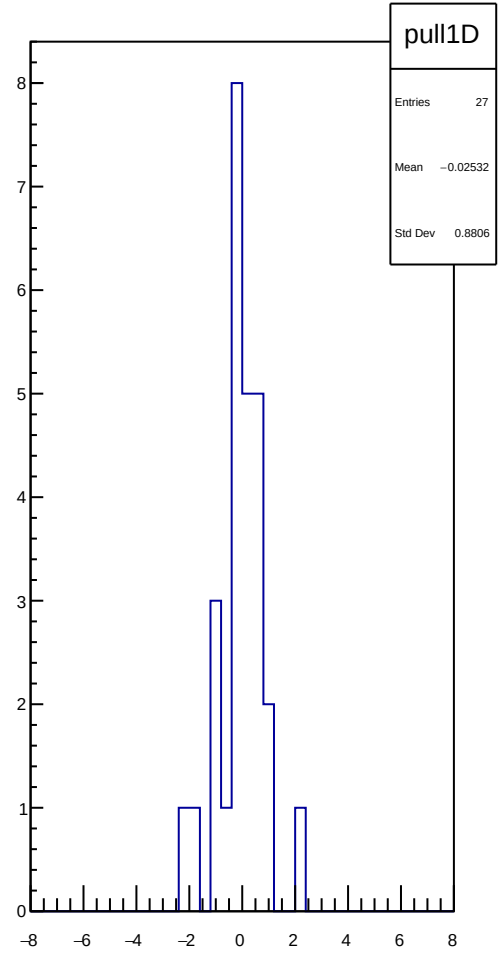

reg_asym_sam_37_dd_rms vs run
χ² / ndf 2745 / 26
p0 52.33 ± 0.07296
70
65
60
55
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

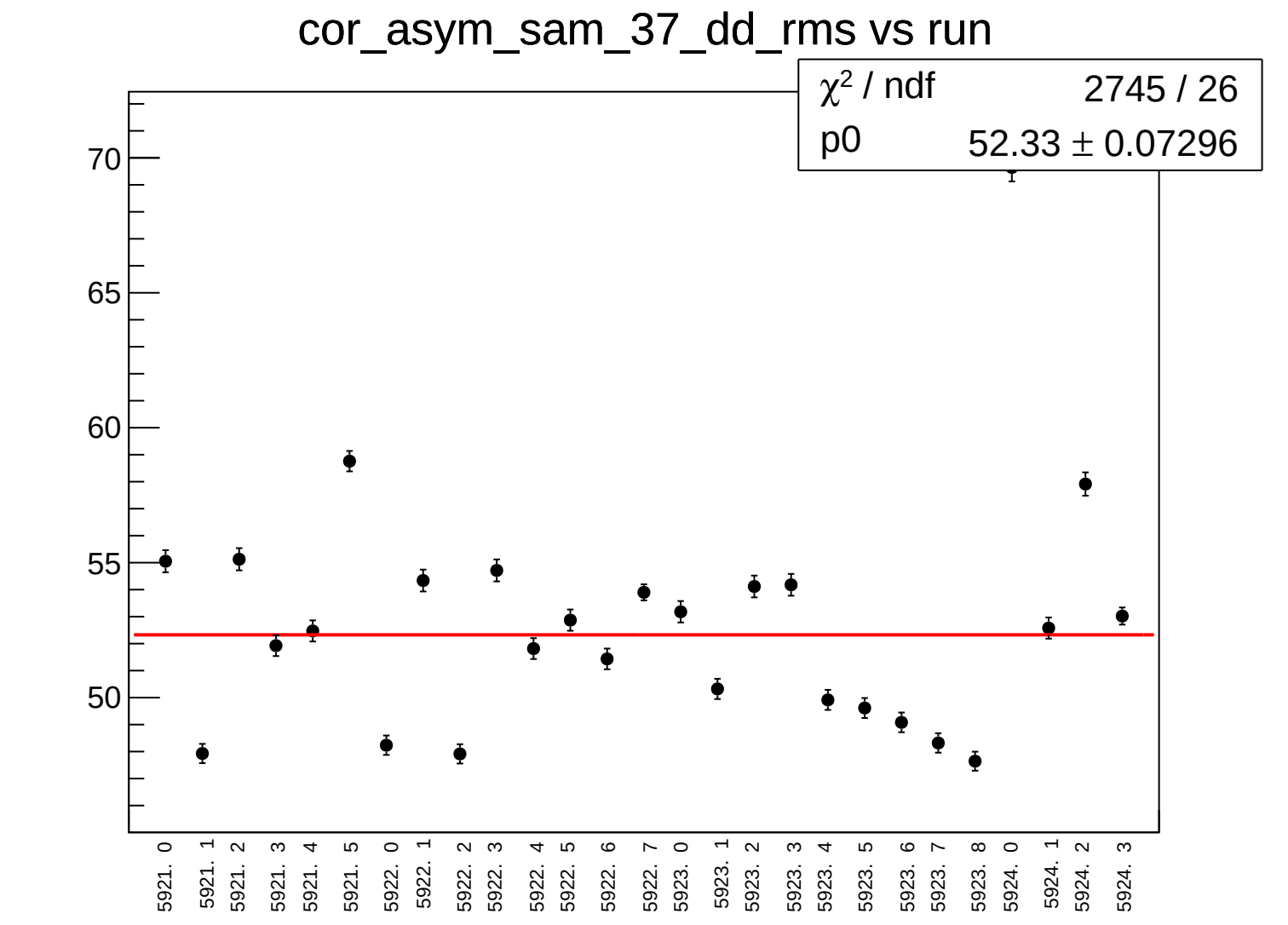

asym_sam_37_dd_reg_correction_mean vs run
χ² / ndf 20.54 / 26
p0 −414.9 ± 1332
20000
15000
10000
5000
0
−5000
−10000
−15000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 40.54
Std Dev 0
1.5
1
0.5
0
−0.5
−1


pull1D
Entries 27
Mean 0.03175
Std Dev 0.8717
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_dd_reg_correction_rms vs run
χ² / ndf 5710 / 26
p0 673.3 ± 0.9415
850
800
750
700
650
600
550
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


cor_asym_sam_37_dd_mean vs run
χ² / ndf 20.96 / 26
p0 −121.3 ± 103.2
1500
1000
500
0
−500
−1000
−1500
−2000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 24.37
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 27
Mean −0.02532
Std Dev 0.8806
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam_37_dd_rms vs run
χ² / ndf 2745 / 26
p0 52.33 ± 0.07296
70
65
60
55
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
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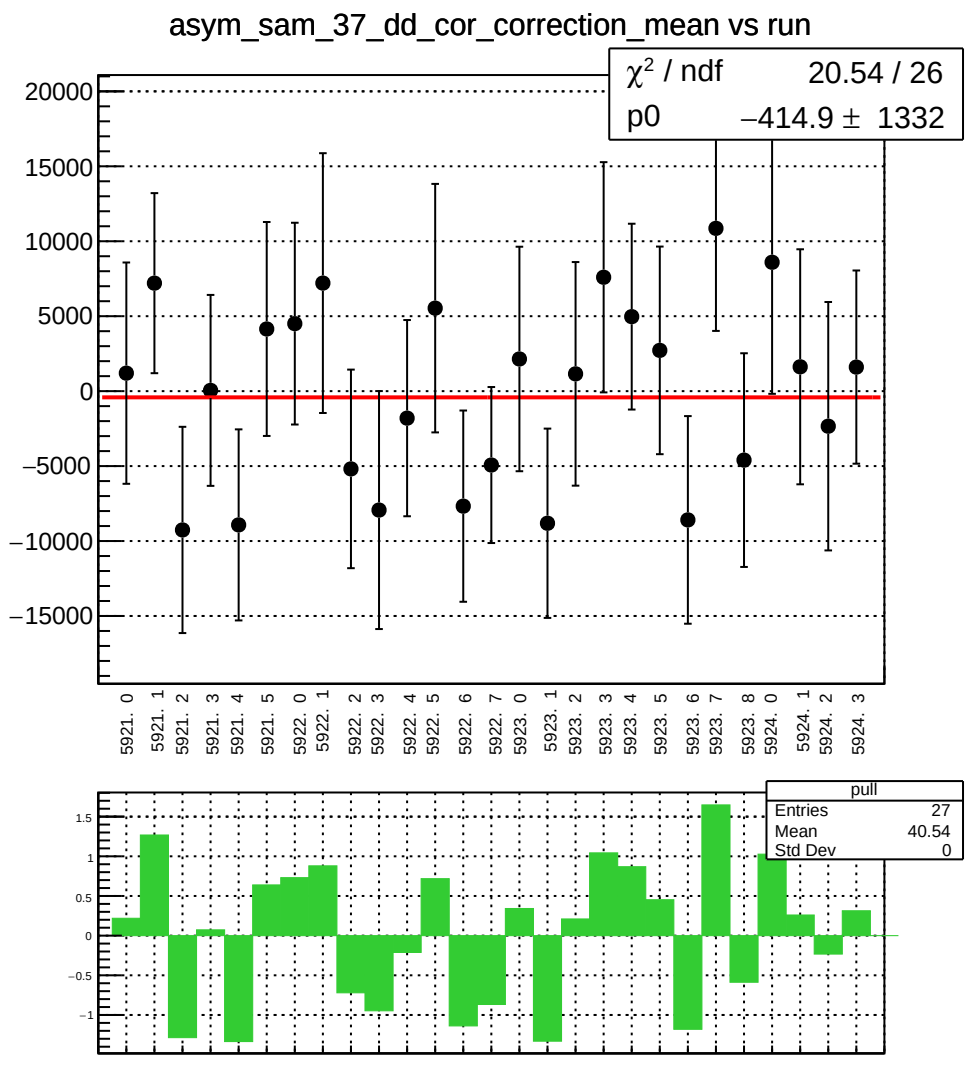
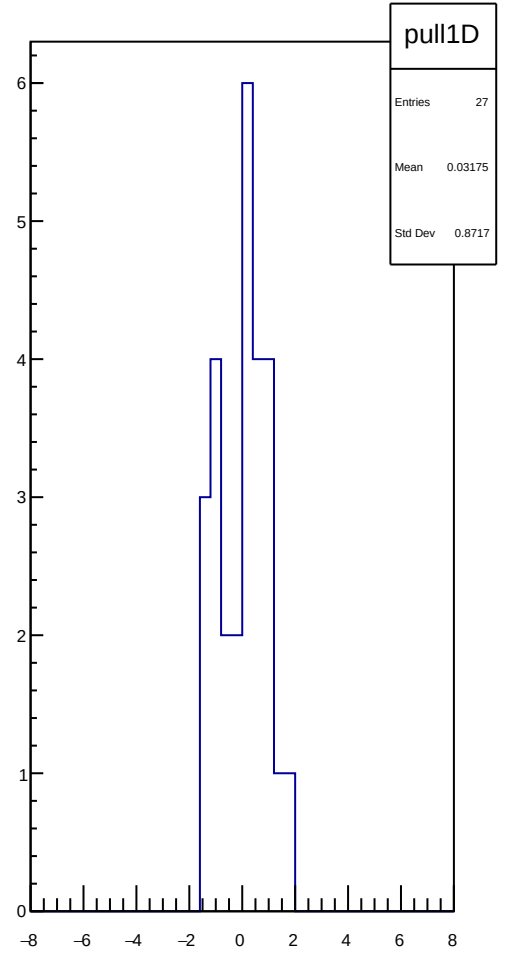
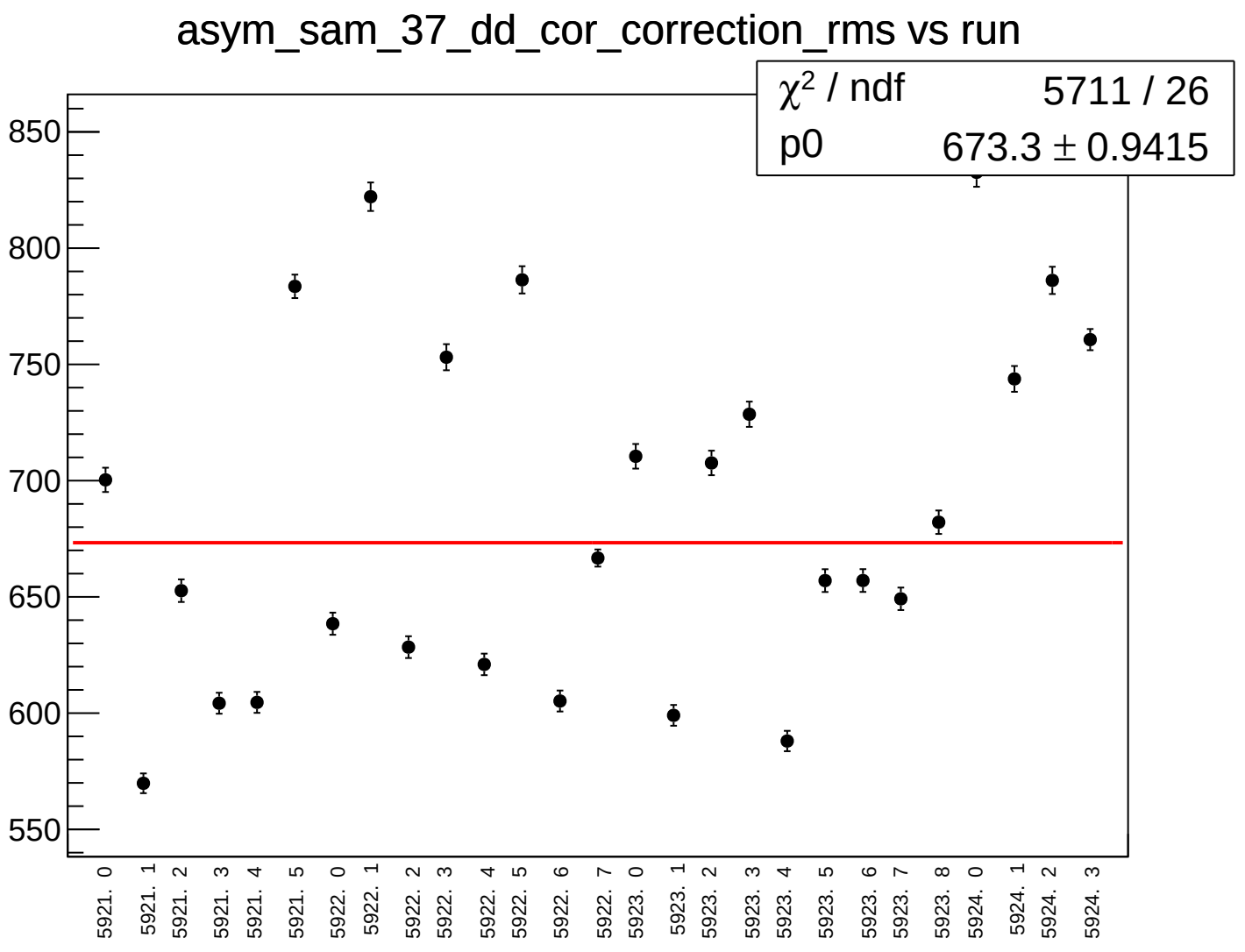
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


asym_sam_37_dd_cor_correction_mean vs run
χ² / ndf 20.54 / 26
p0 −414.9 ± 1332
20000
15000
10000
5000
0
−5000
−10000
−15000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 40.54
Std Dev 0
1.5
1
0.5
0
−0.5
−1


pull1D
Entries 27
Mean 0.03175
Std Dev 0.8717
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_dd_cor_correction_rms vs run
χ² / ndf 5711 / 26
p0 673.3 ± 0.9415
850
800
750
700
650
600
550
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
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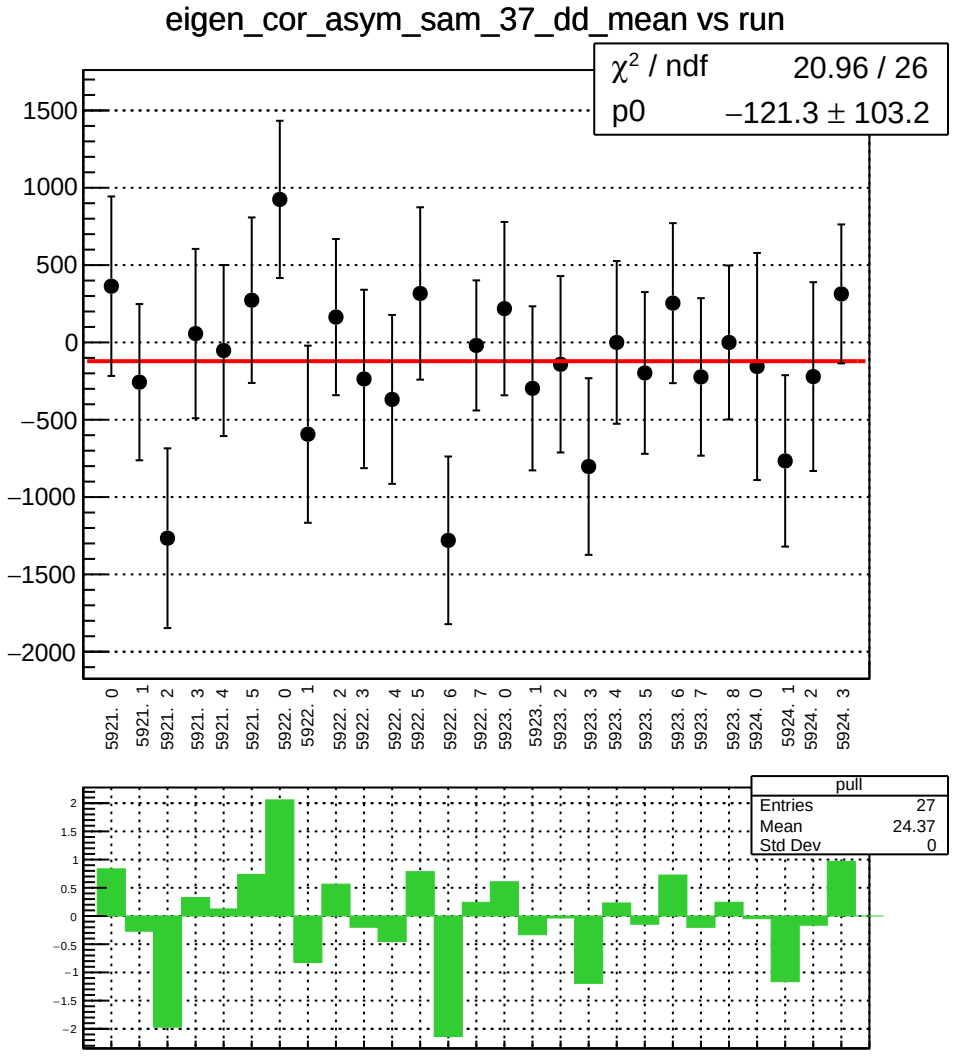
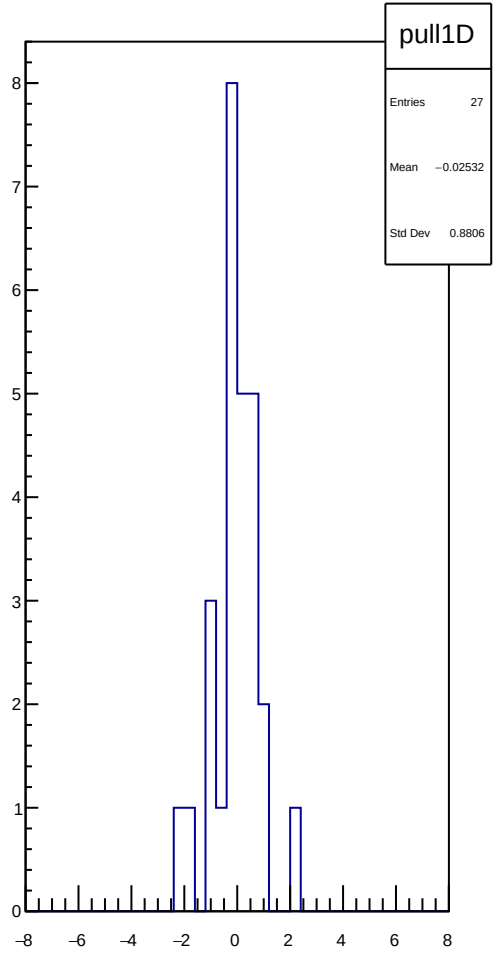
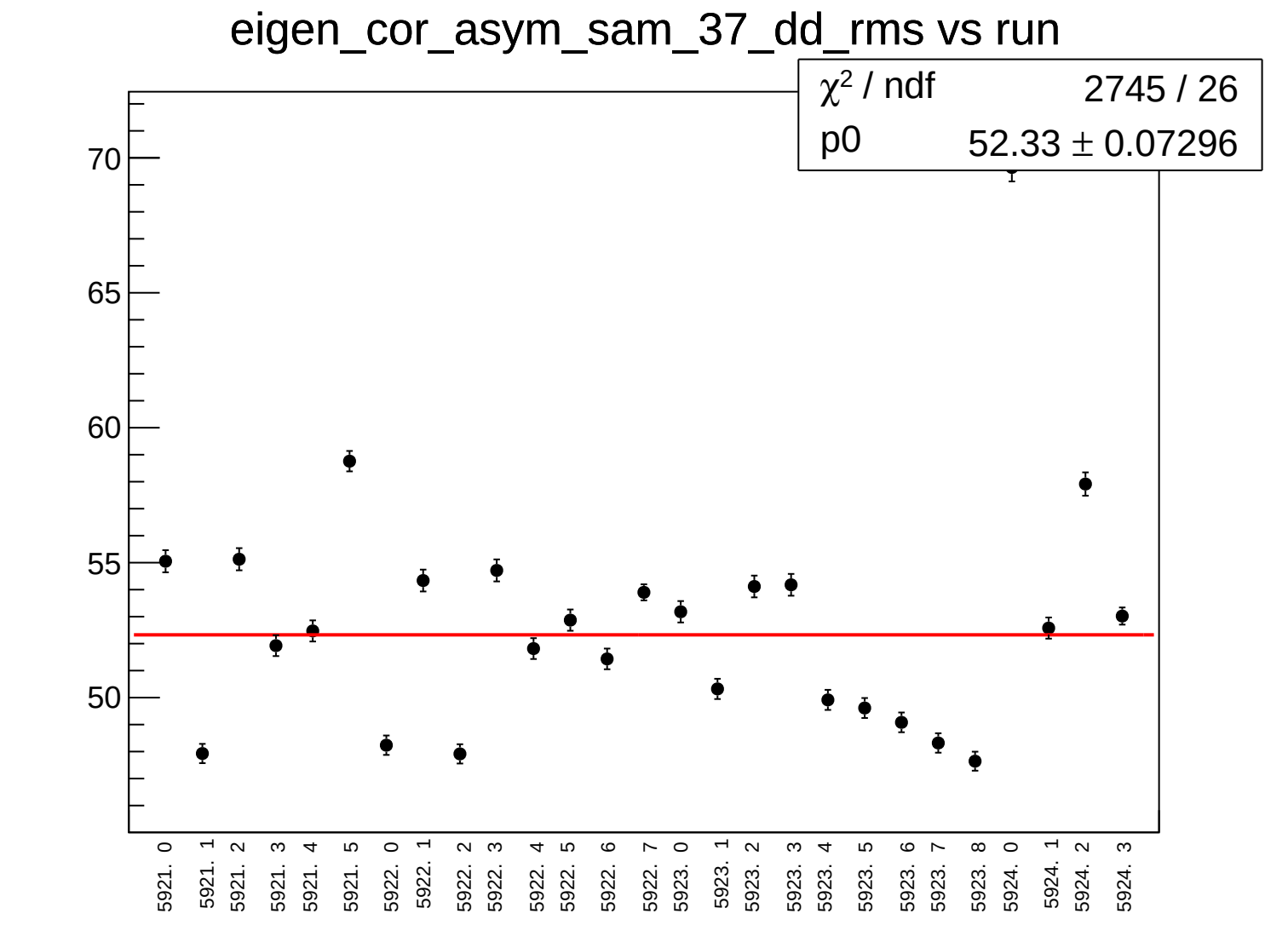
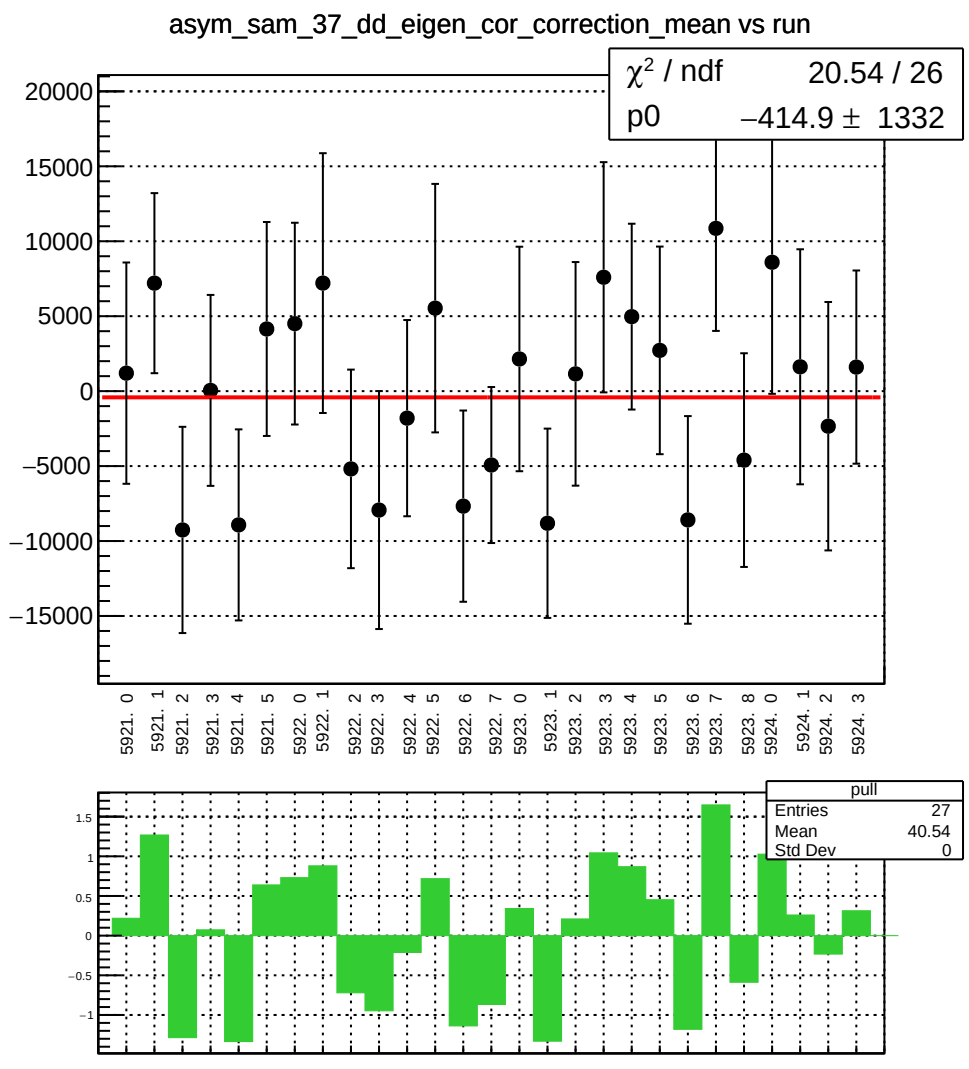
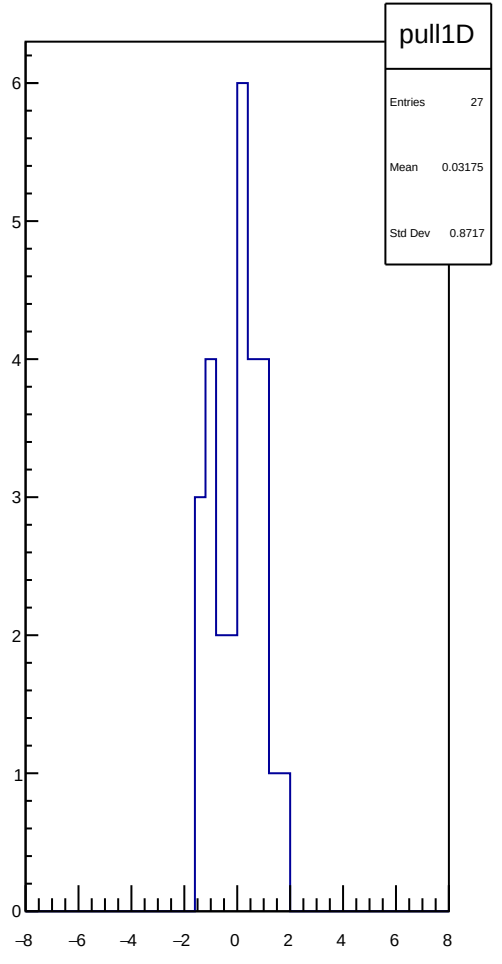
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

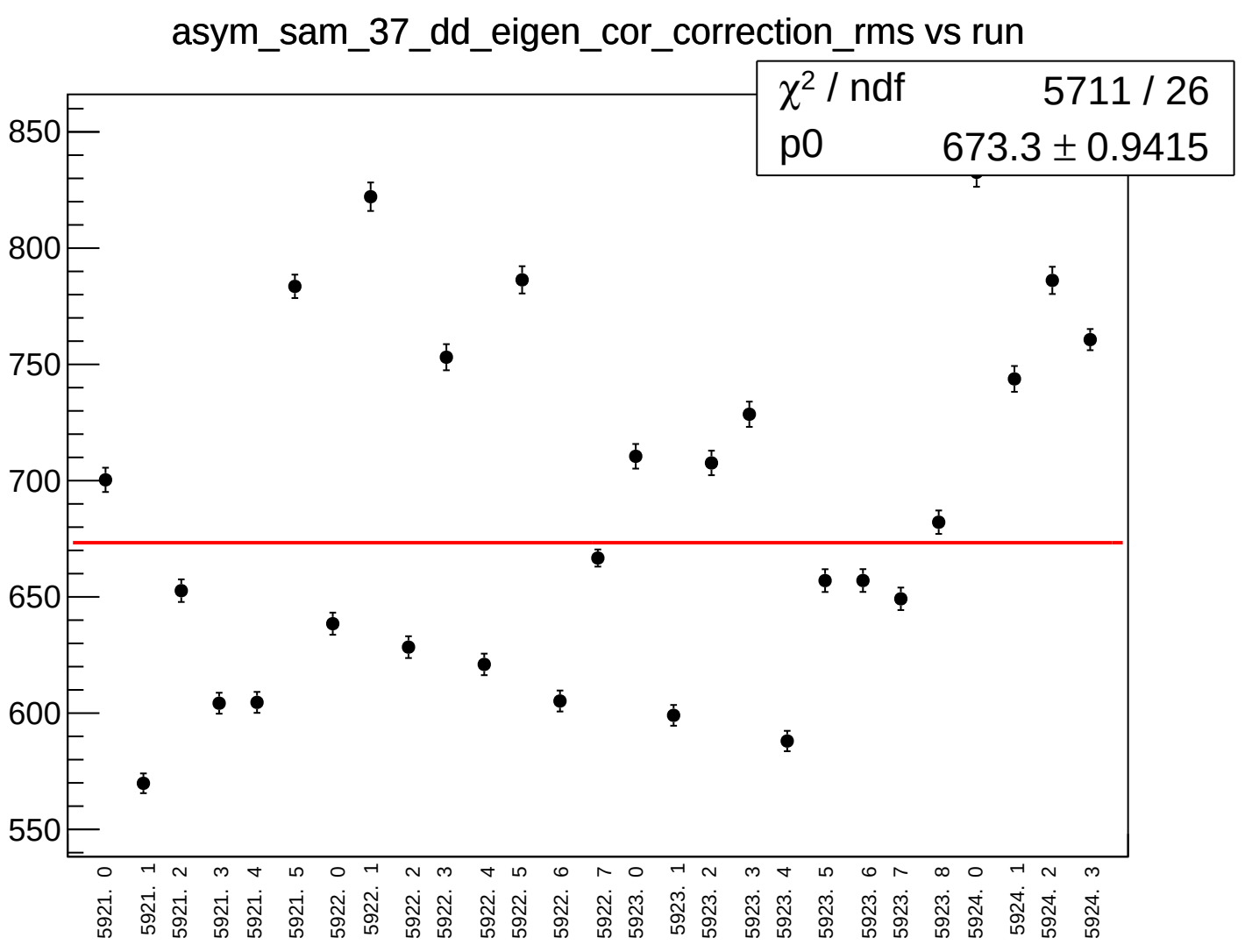

eigen_cor_asym_sam_37_dd_mean vs run
χ² / ndf 20.96 / 26
p0 −121.3 ± 103.2
1500
1000
500
0
−500
−1000
−1500
−2000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 24.37
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

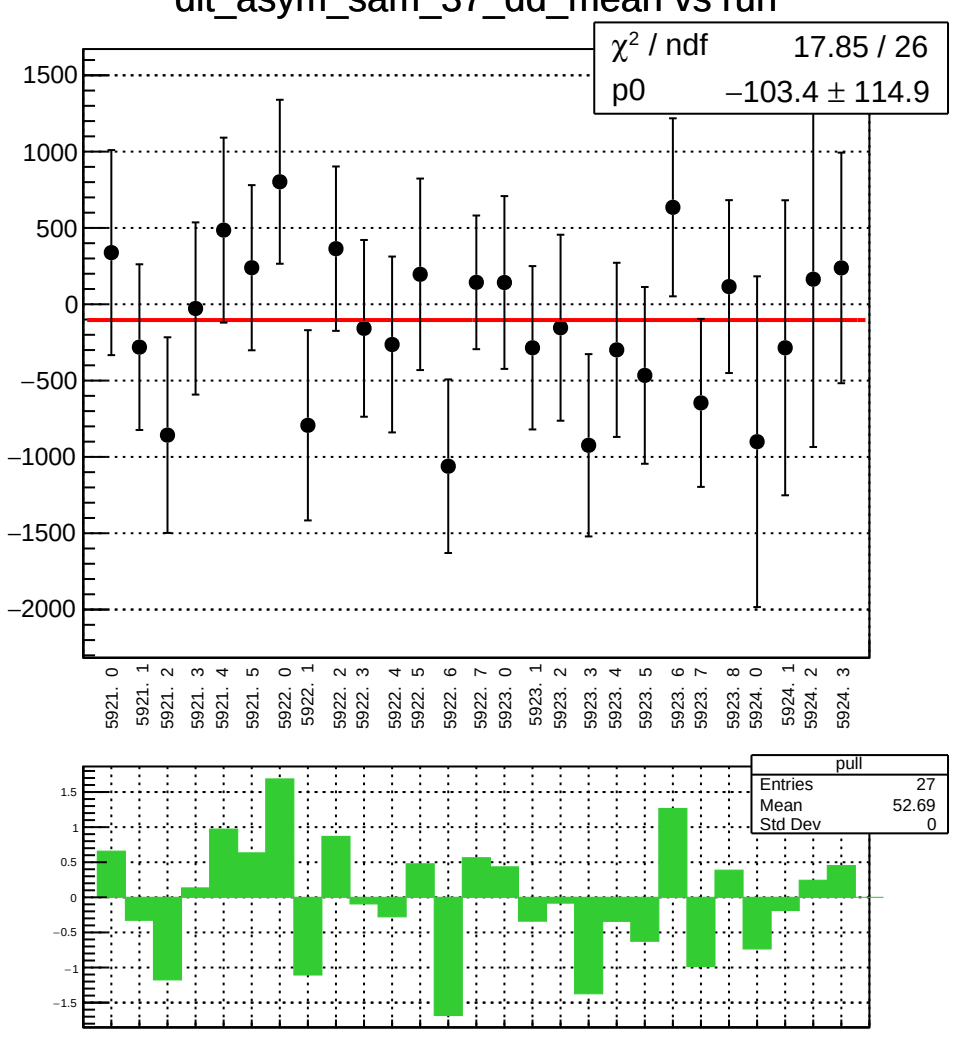

pull1D
Entries 27
Mean −0.02532
Std Dev 0.8806
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

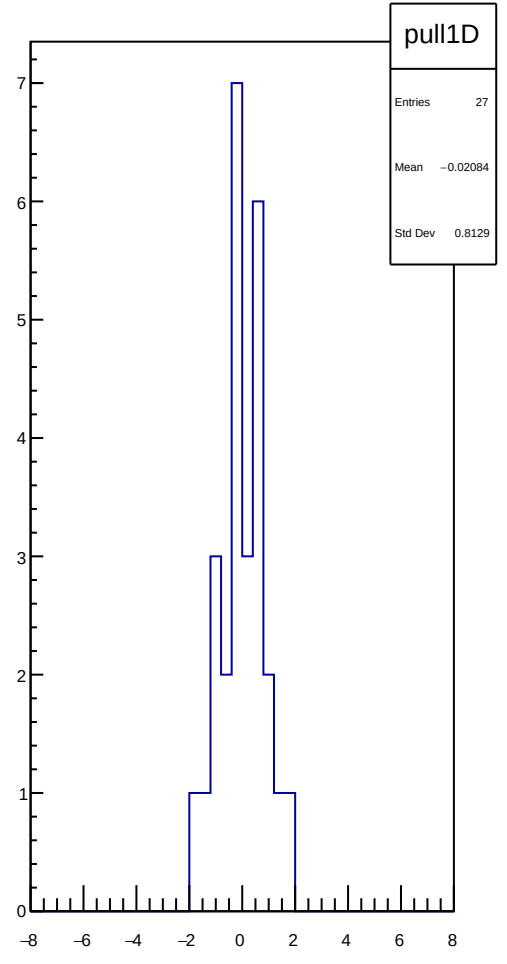

eigen_cor_asym_sam_37_dd_rms vs run
χ² / ndf 2745 / 26
p0 52.33 ± 0.07296
70
65
60
55
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

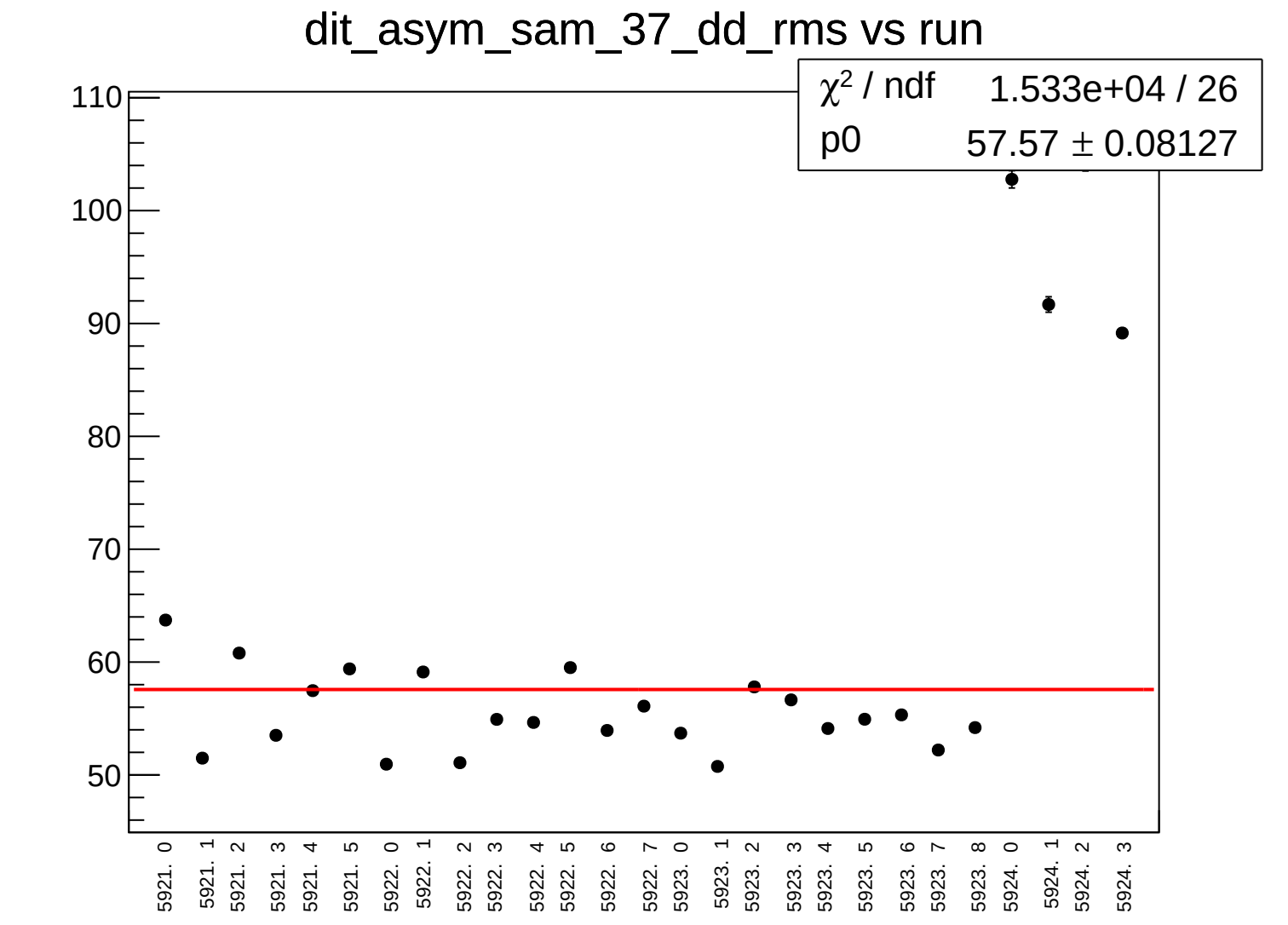

asym_sam_37_dd_eigen_cor_correction_mean vs run
χ² / ndf 20.54 / 26
p0 −414.9 ± 1332
20000
15000
10000
5000
0
−5000
−10000
−15000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 40.54
Std Dev 0
1.5
1
0.5
0
−0.5
−1

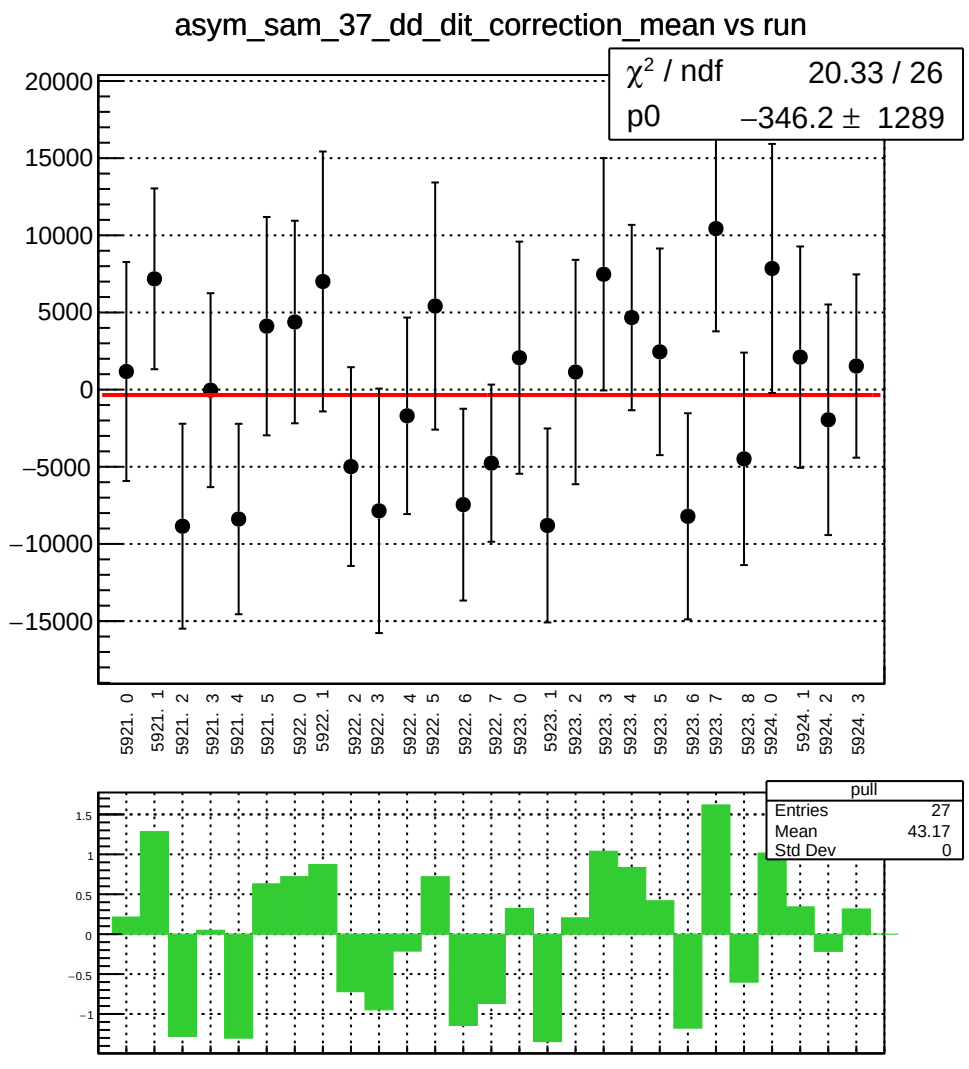

pull1D
Entries 27
Mean 0.03175
Std Dev 0.8717
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

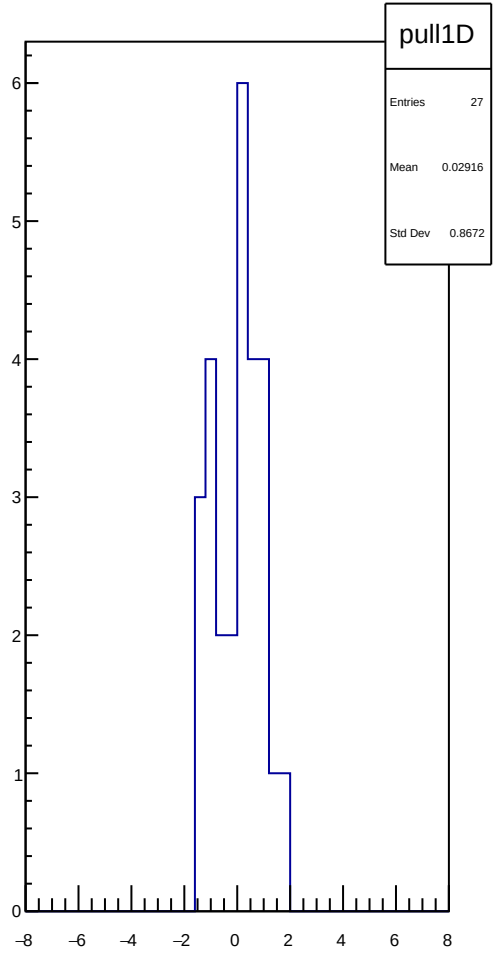

asym_sam_37_dd_eigen_cor_correction_rms vs run
χ² / ndf 5711 / 26
p0 673.3 ± 0.9415
850
800
750
700
650
600
550
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


dit_asym_sam_37_dd_mean vs run
χ² / ndf 17.85 / 26
p0 −103.4 ± 114.9
1500
1000
500
0
−500
−1000
−1500
−2000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 52.69
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 27
Mean −0.02084
Std Dev 0.8129
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam_37_dd_rms vs run
χ² / ndf 1.533e+04 / 26
p0 57.57 ± 0.08127
110
100
90
80
70
60
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


asym_sam_37_dd_dit_correction_mean vs run
χ² / ndf 20.33 / 26
p0 −346.2 ± 1289
20000
15000
10000
5000
0
−5000
−10000
−15000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 43.17
Std Dev 0
1.5
1
0.5
0
−0.5
−1


pull1D
Entries 27
Mean 0.02916
Std Dev 0.8672
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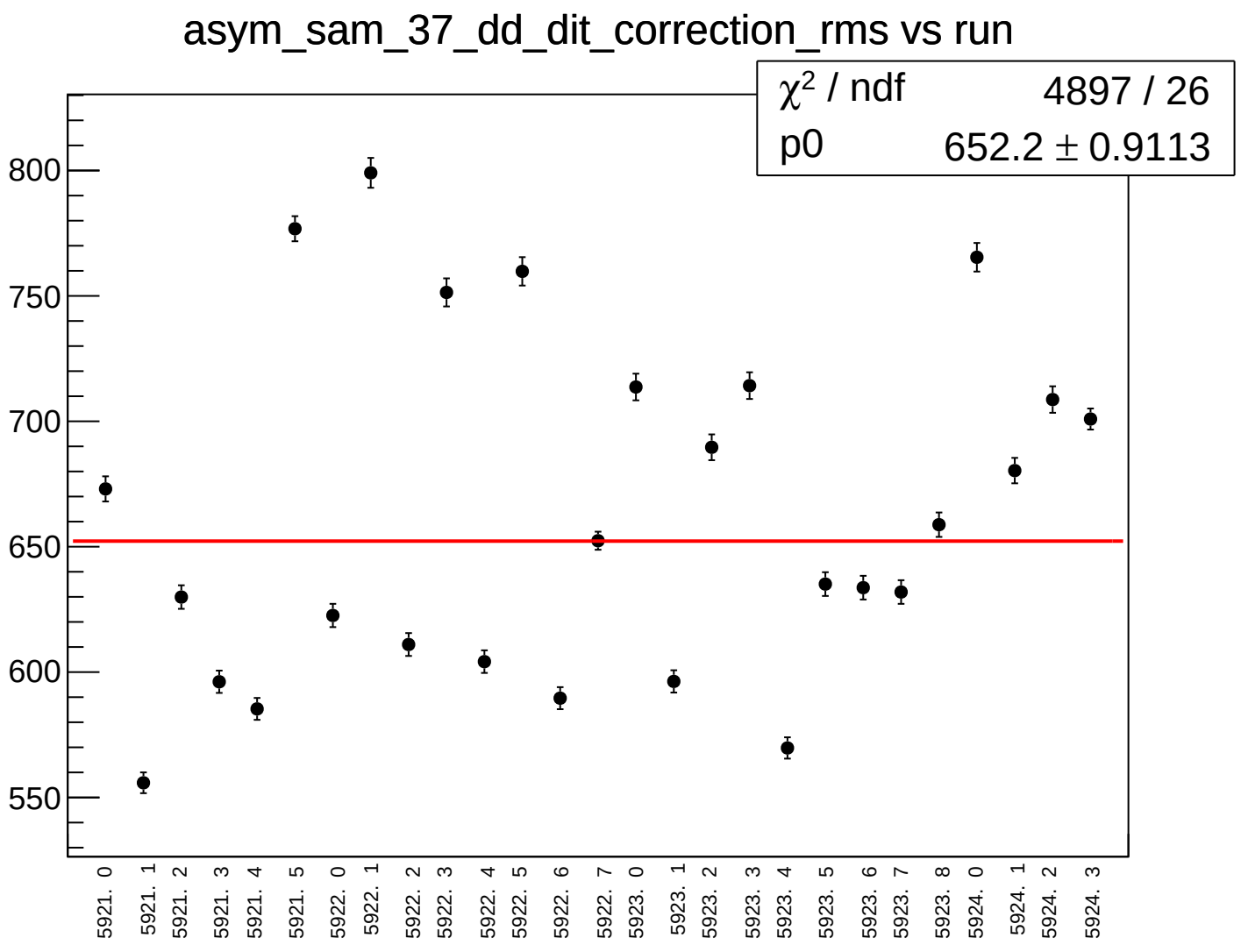
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_dd_dit_correction_rms vs run
χ² / ndf 4897 / 26
p0 652.2 ± 0.9113
800
750
700
650
600
550
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
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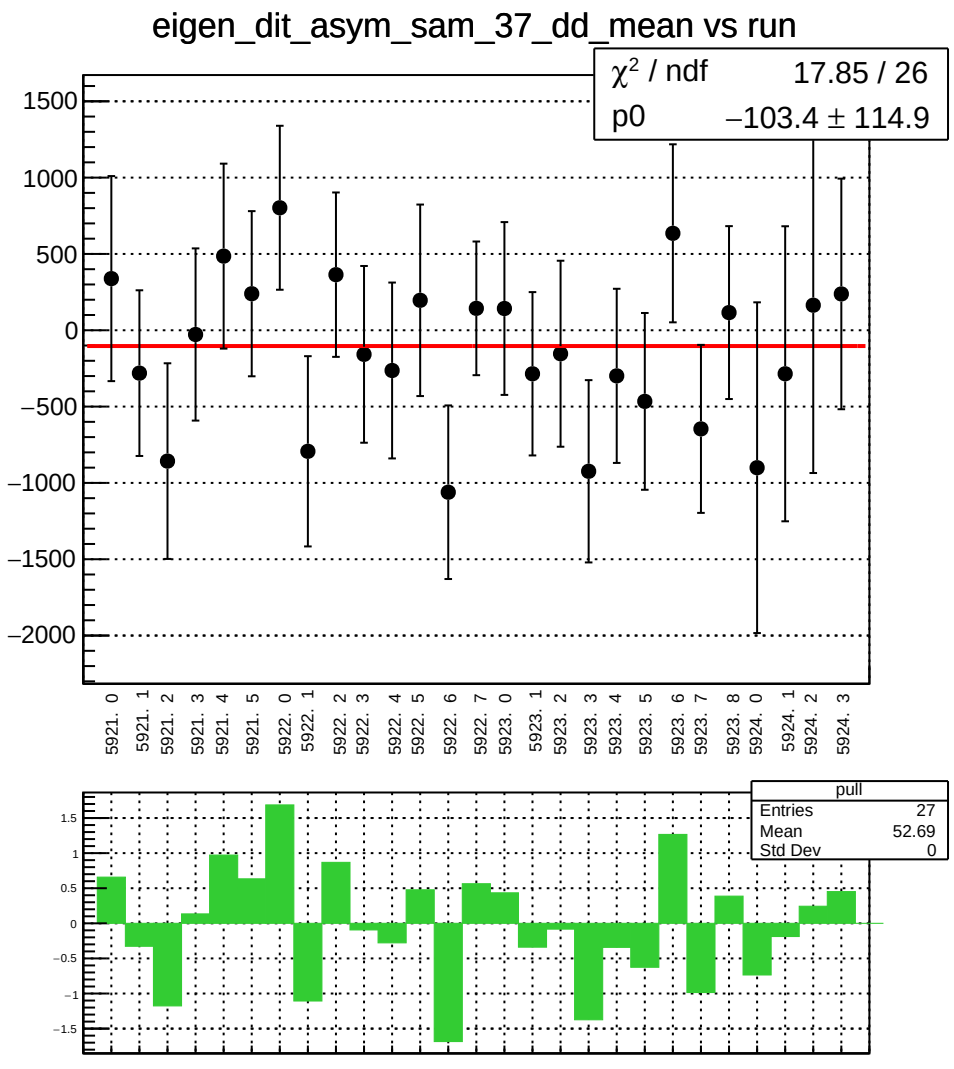
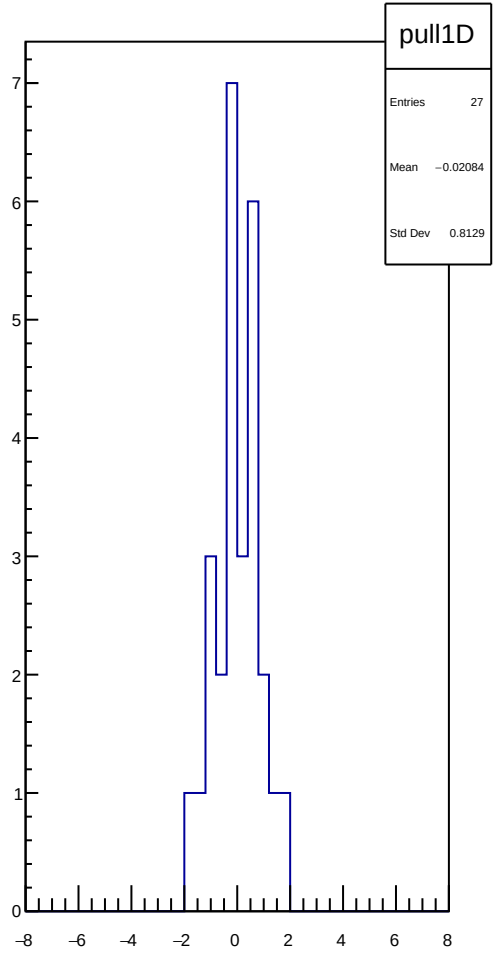
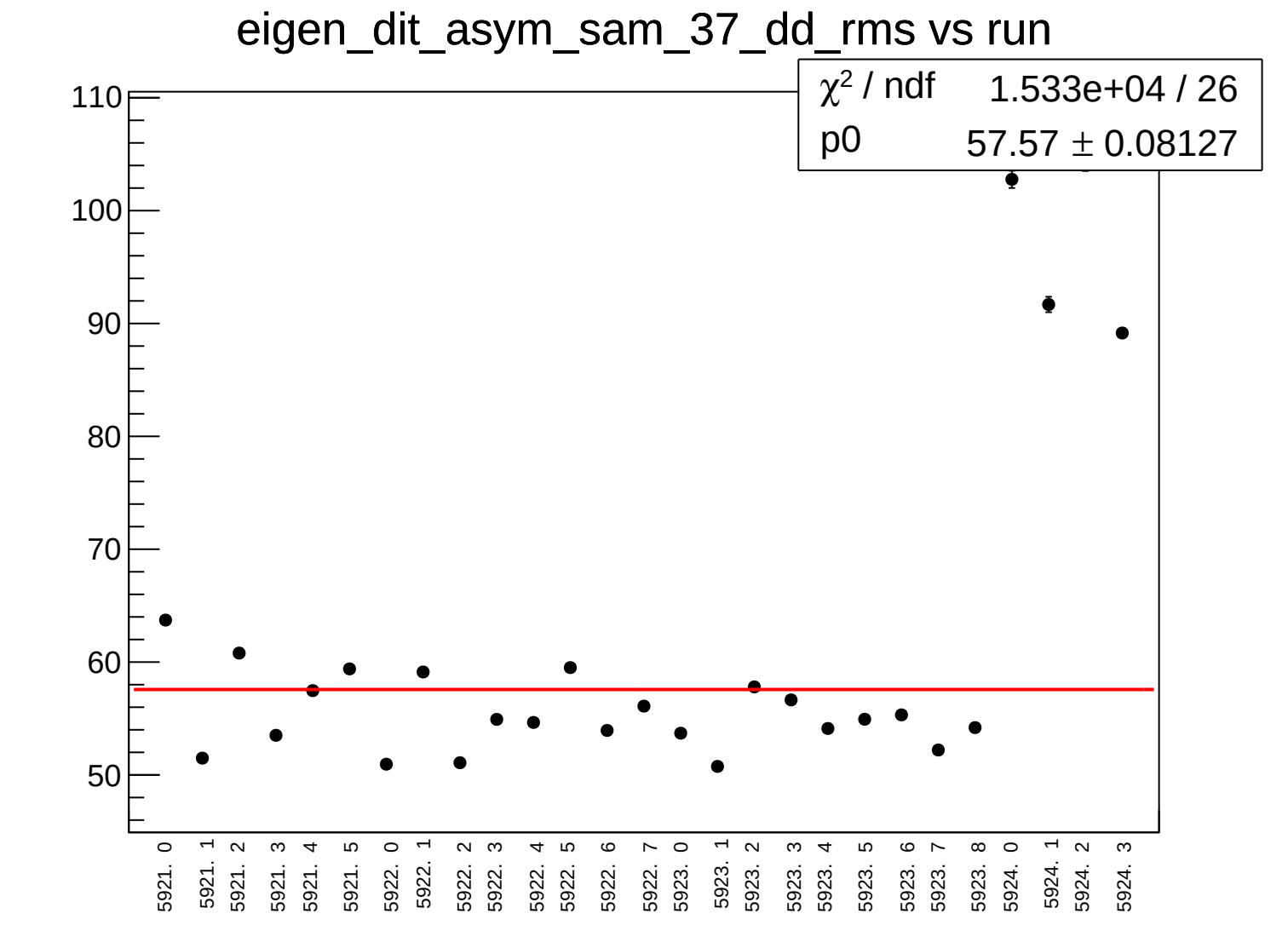
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


eigen_dit_asym_sam_37_dd_mean vs run
χ² / ndf 17.85 / 26
p0 −103.4 ± 114.9
1500
1000
500
0
−500
−1000
−1500
−2000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 52.69
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 27
Mean −0.02084
Std Dev 0.8129
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_sam_37_dd_rms vs run
χ² / ndf 1.533e+04 / 26
p0 57.57 ± 0.08127
110
100
90
80
70
60
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
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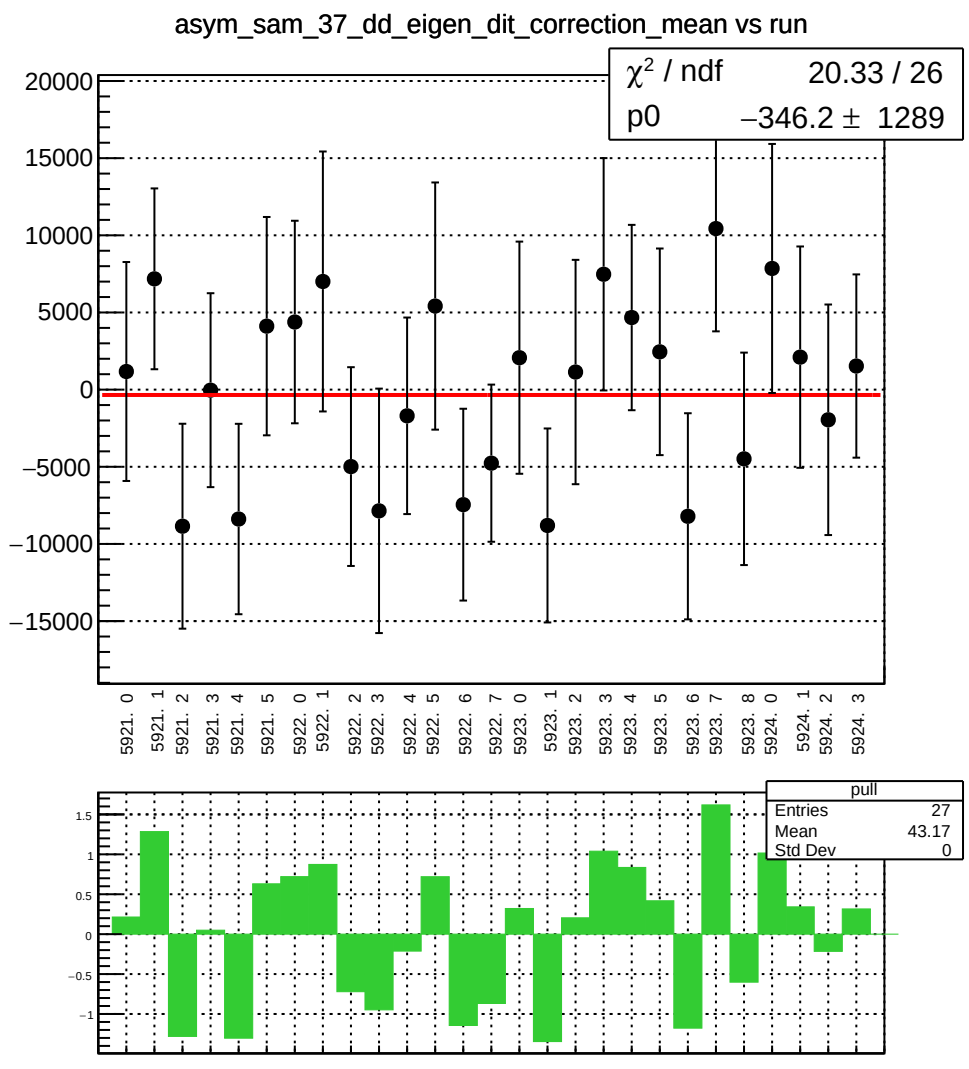
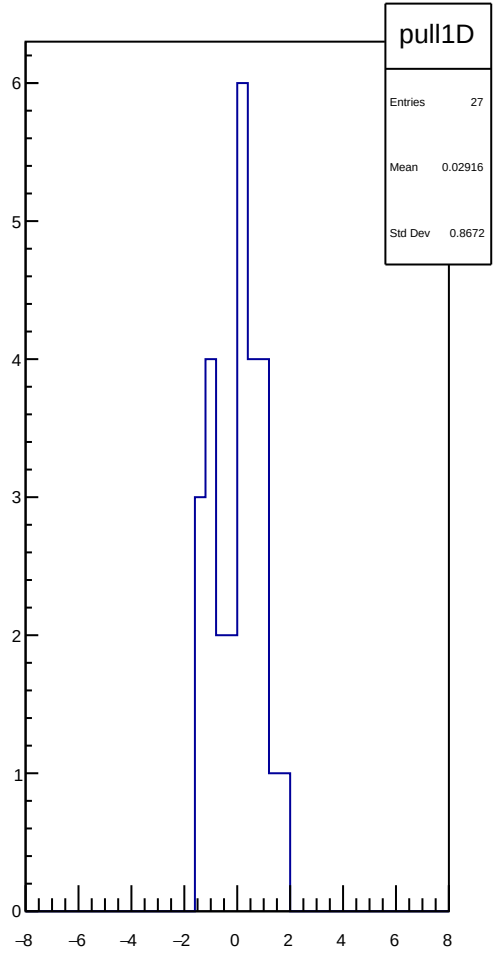
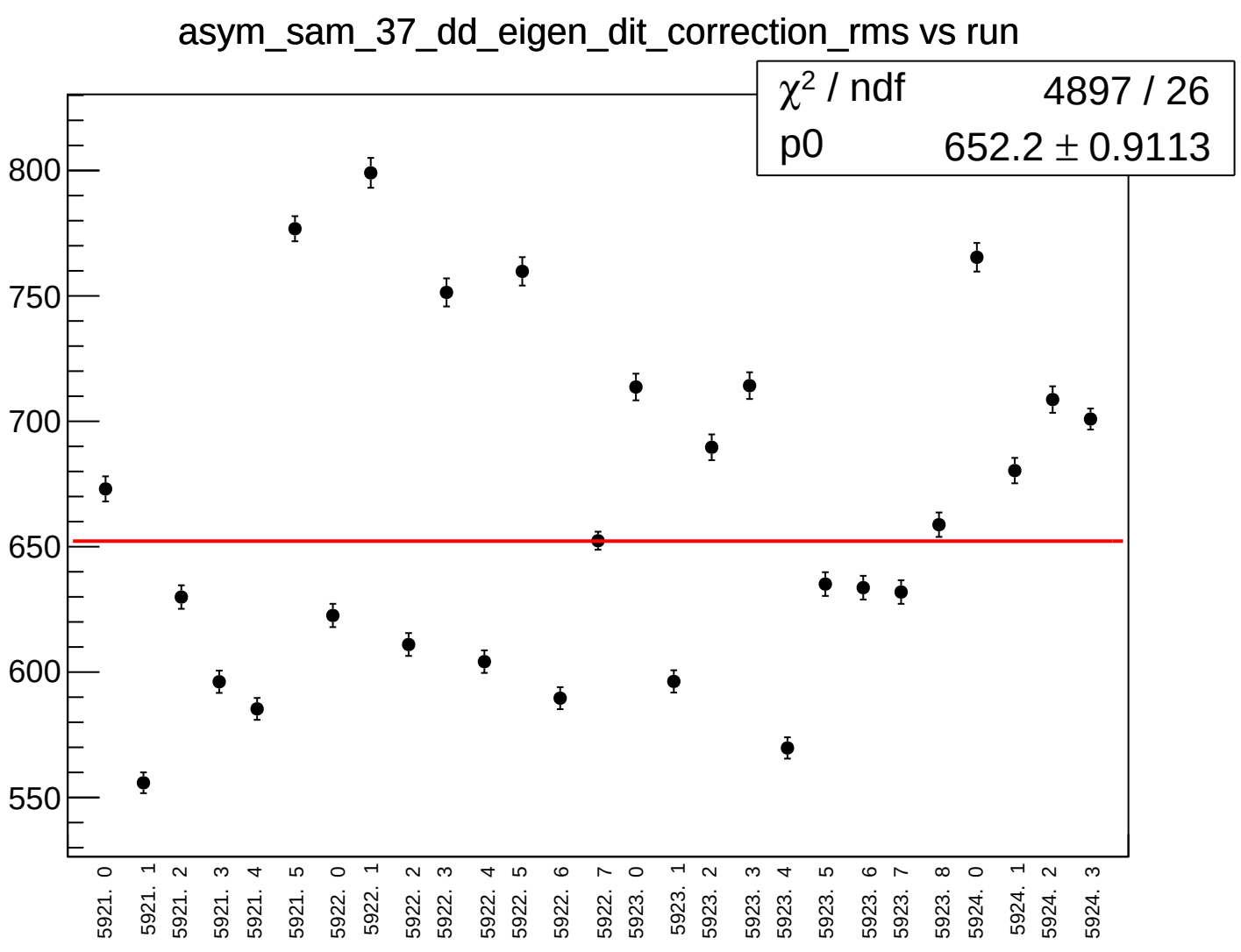
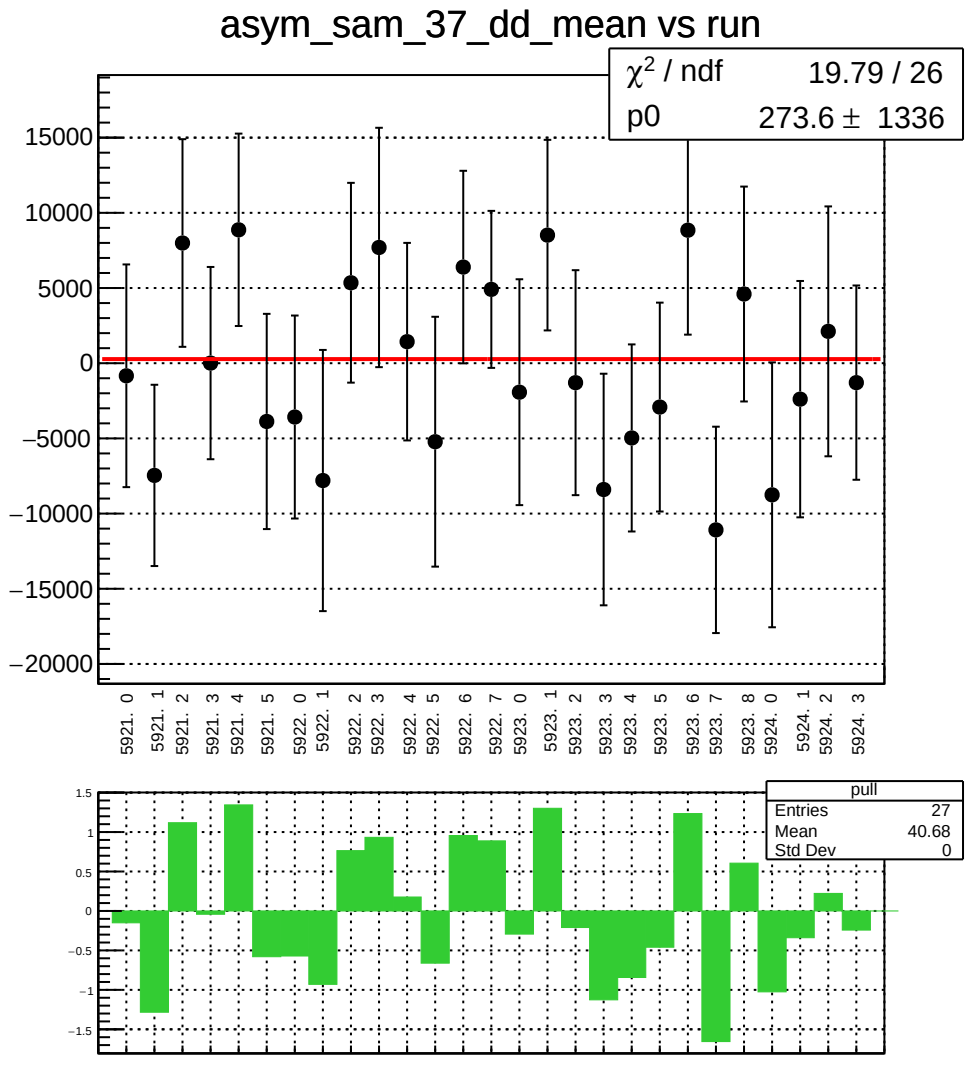
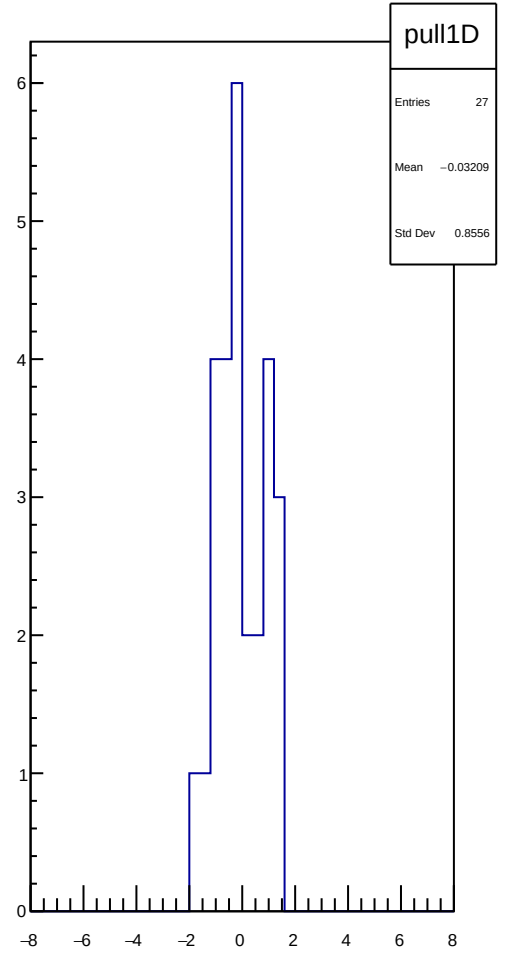
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

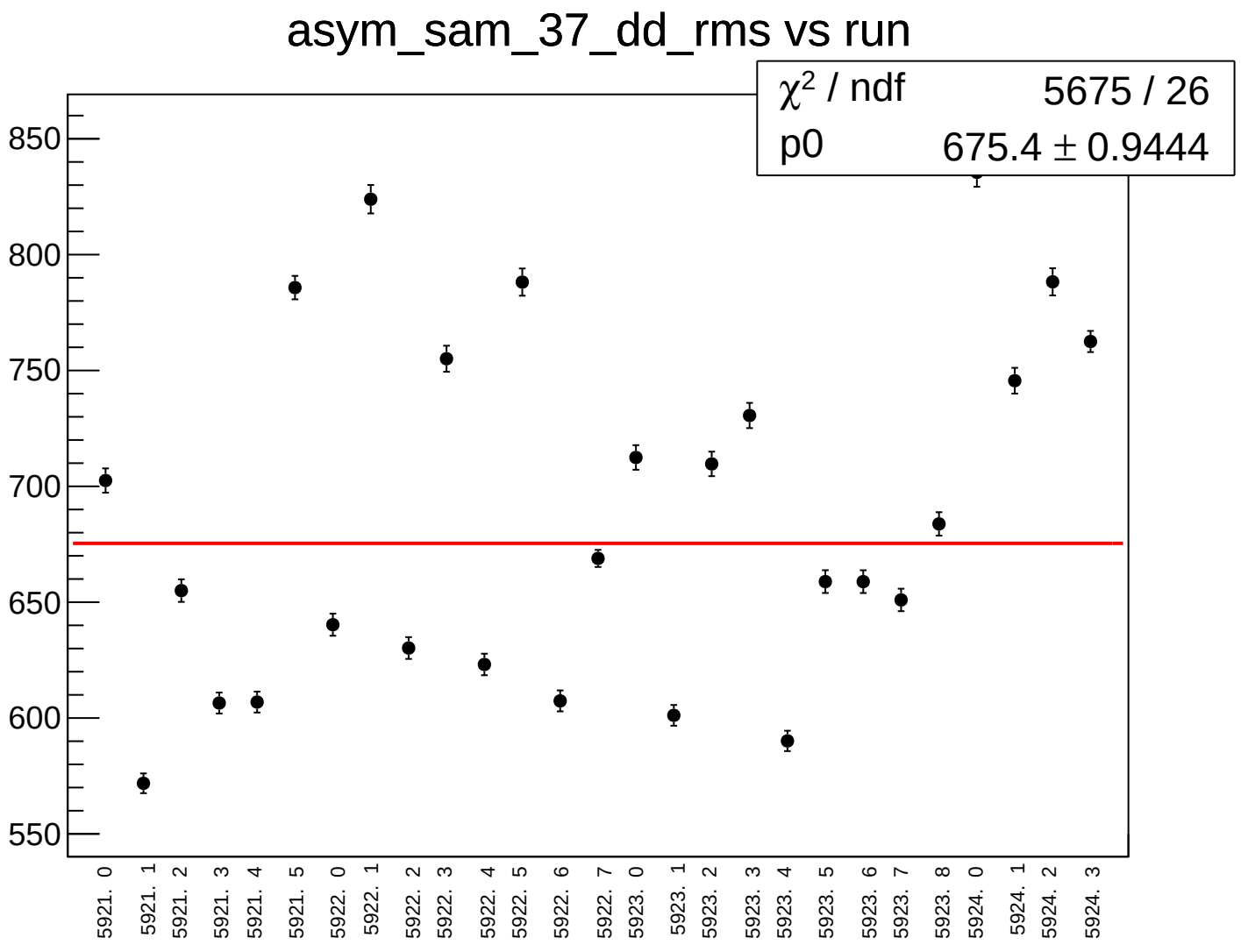

asym_sam_37_dd_eigen_dit_correction_mean vs run
χ² / ndf 20.33 / 26
p0 −346.2 ± 1289
20000
15000
10000
5000
0
−5000
−10000
−15000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 43.17
Std Dev 0
1.5
1
0.5
0
−0.5
−1

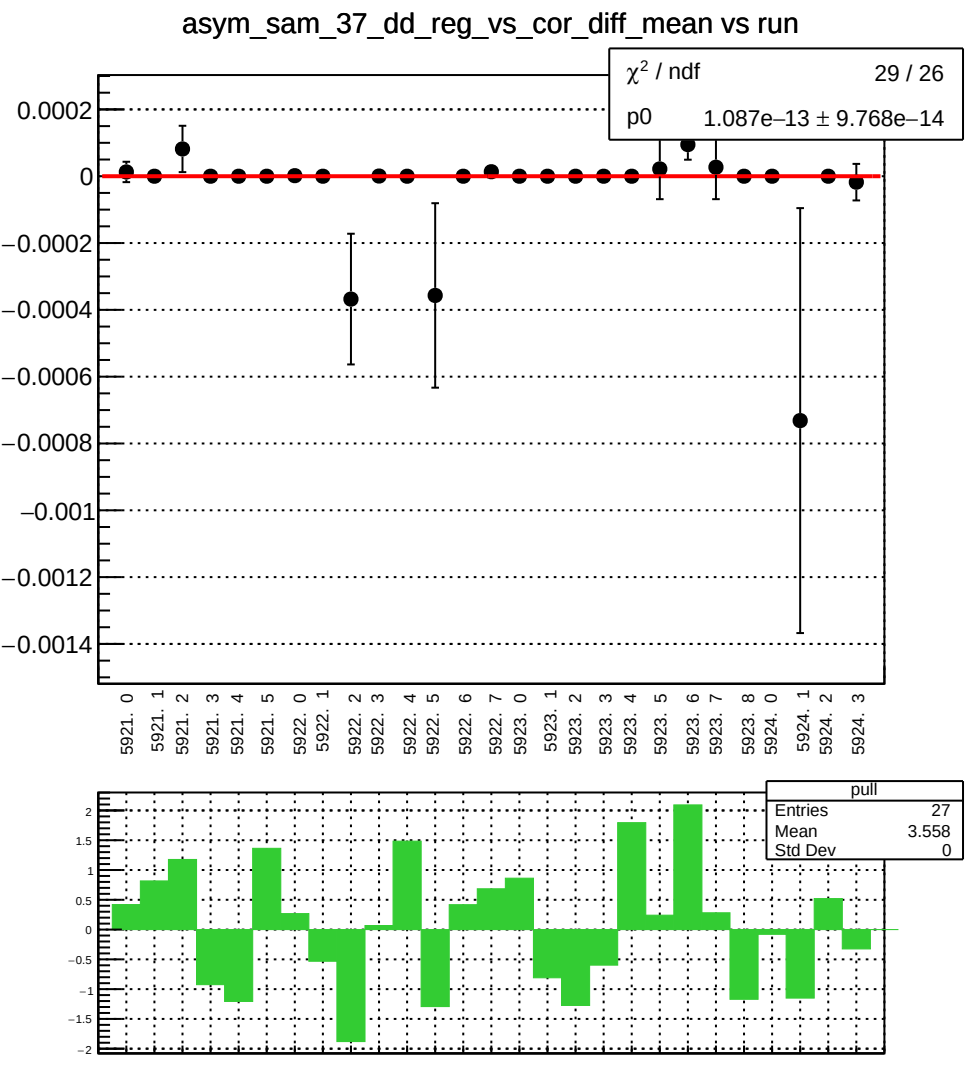

pull1D
Entries 27
Mean 0.02916
Std Dev 0.8672
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

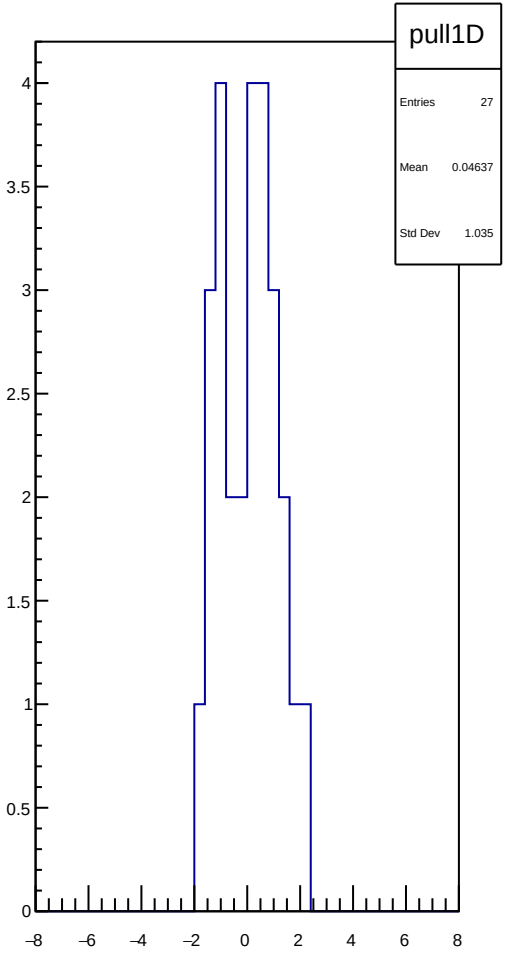

asym_sam_37_dd_eigen_dit_correction_rms vs run
χ² / ndf 4897 / 26
p0 652.2 ± 0.9113
800
750
700
650
600
550
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

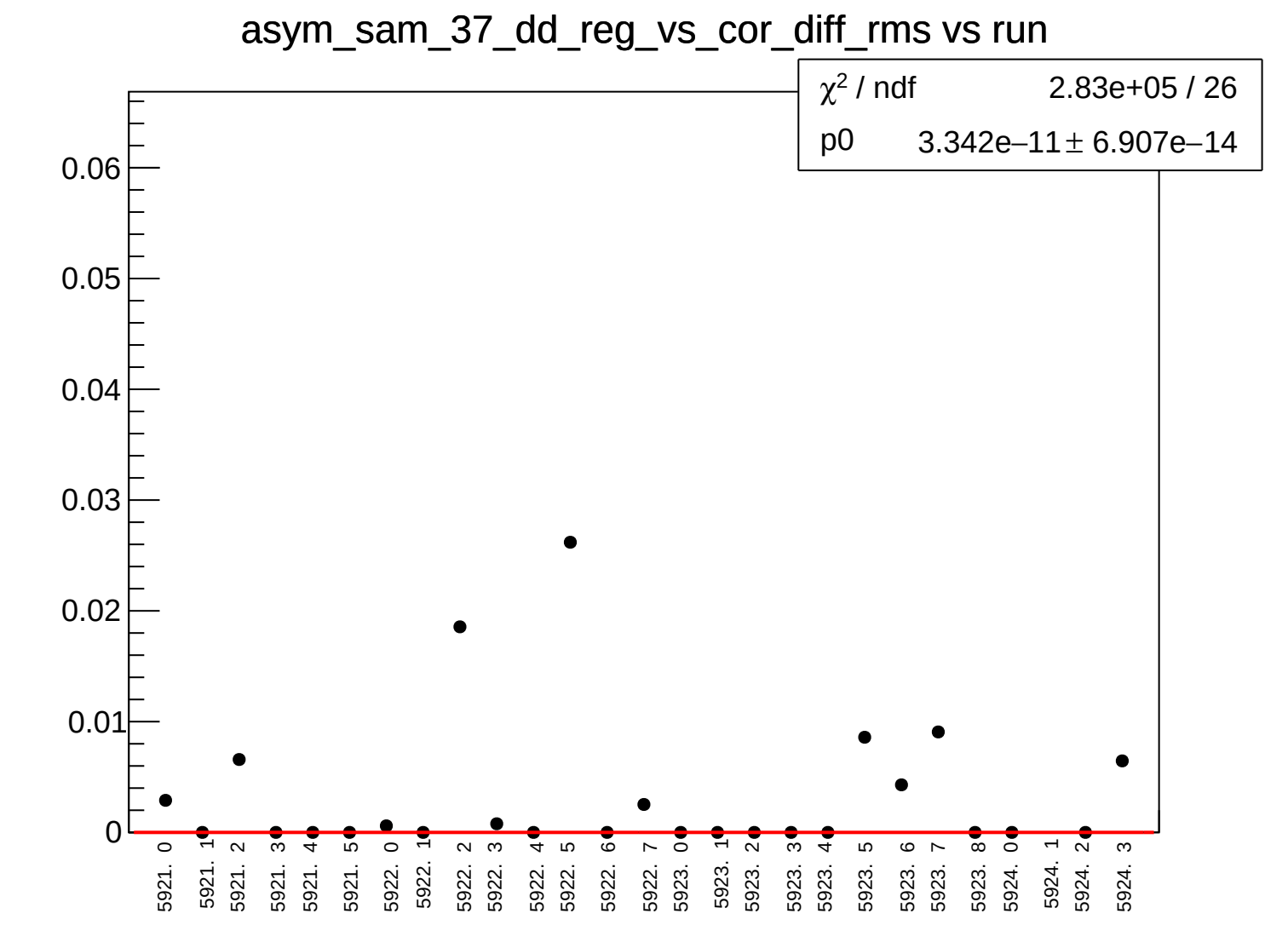

asym_sam_37_dd_mean vs run
χ² / ndf 19.79 / 26
p0 273.6 ± 1336
15000
10000
5000
0
−5000
−10000
−15000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 40.68
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

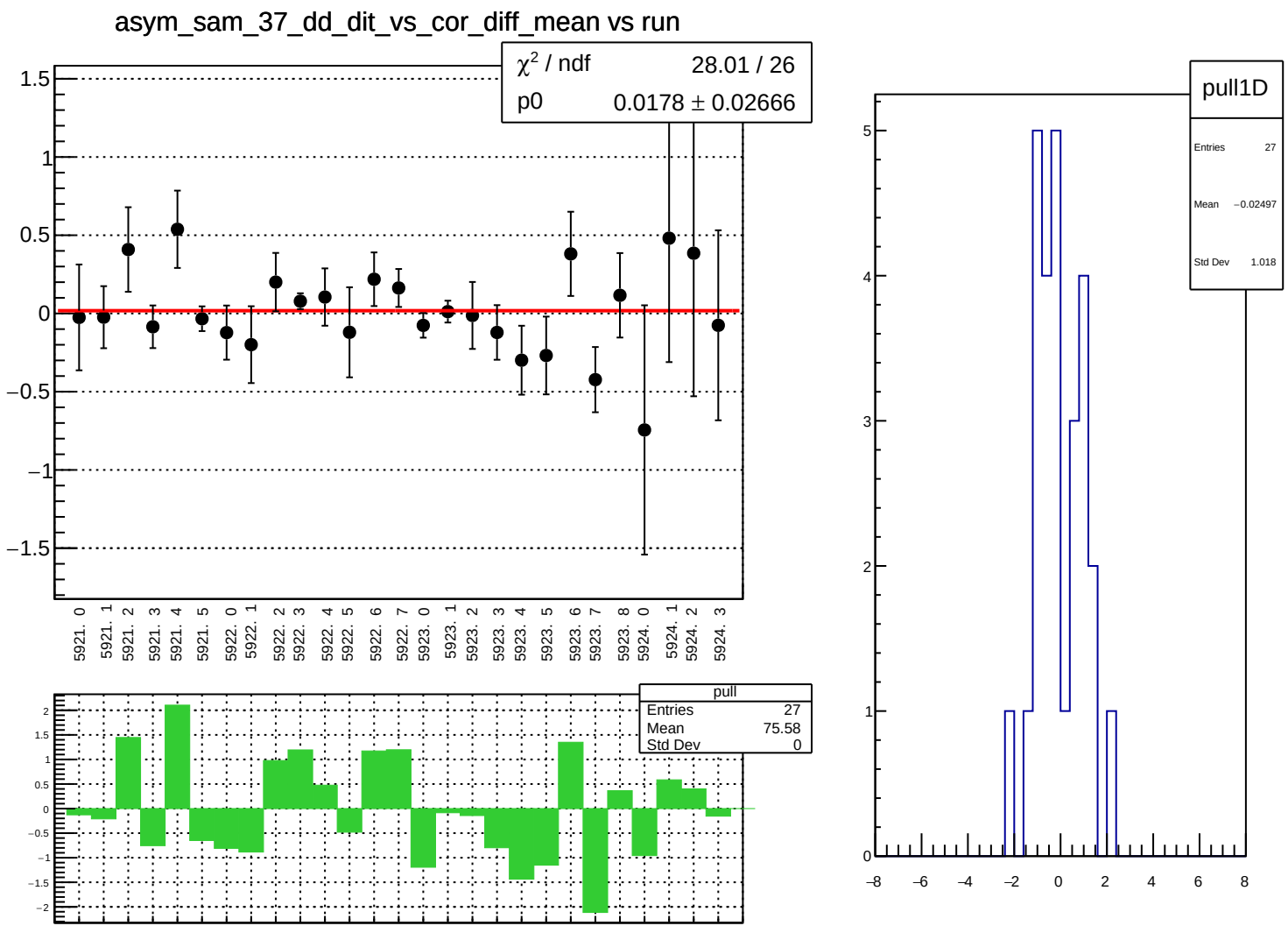

pull1D
Entries 27
Mean −0.03209
Std Dev 0.8556
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

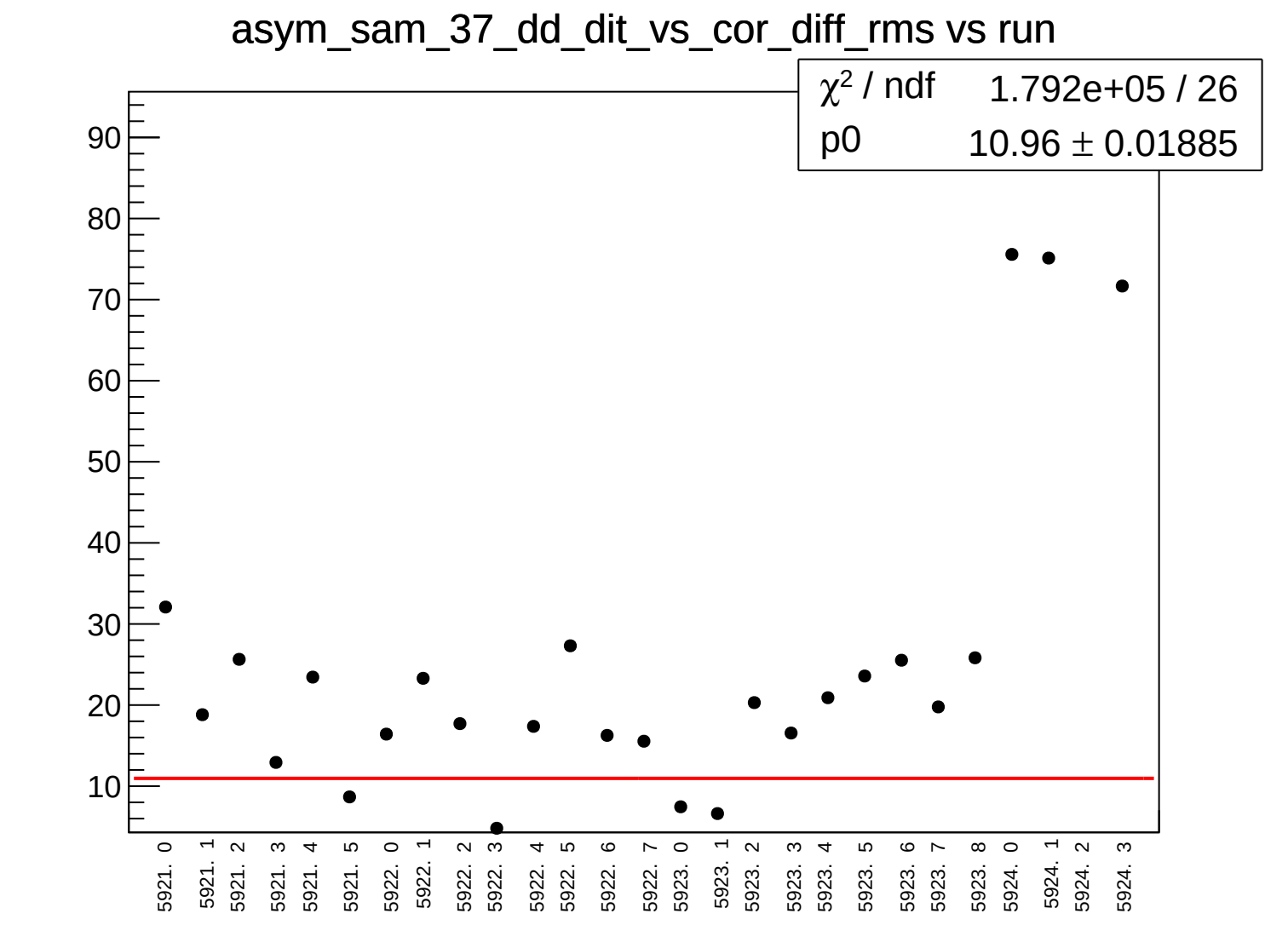

asym_sam_37_dd_rms vs run
χ^2 / ndf 5675 / 26
p0 675.4 ± 0.9444
850
800
750
700
650
600
550
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

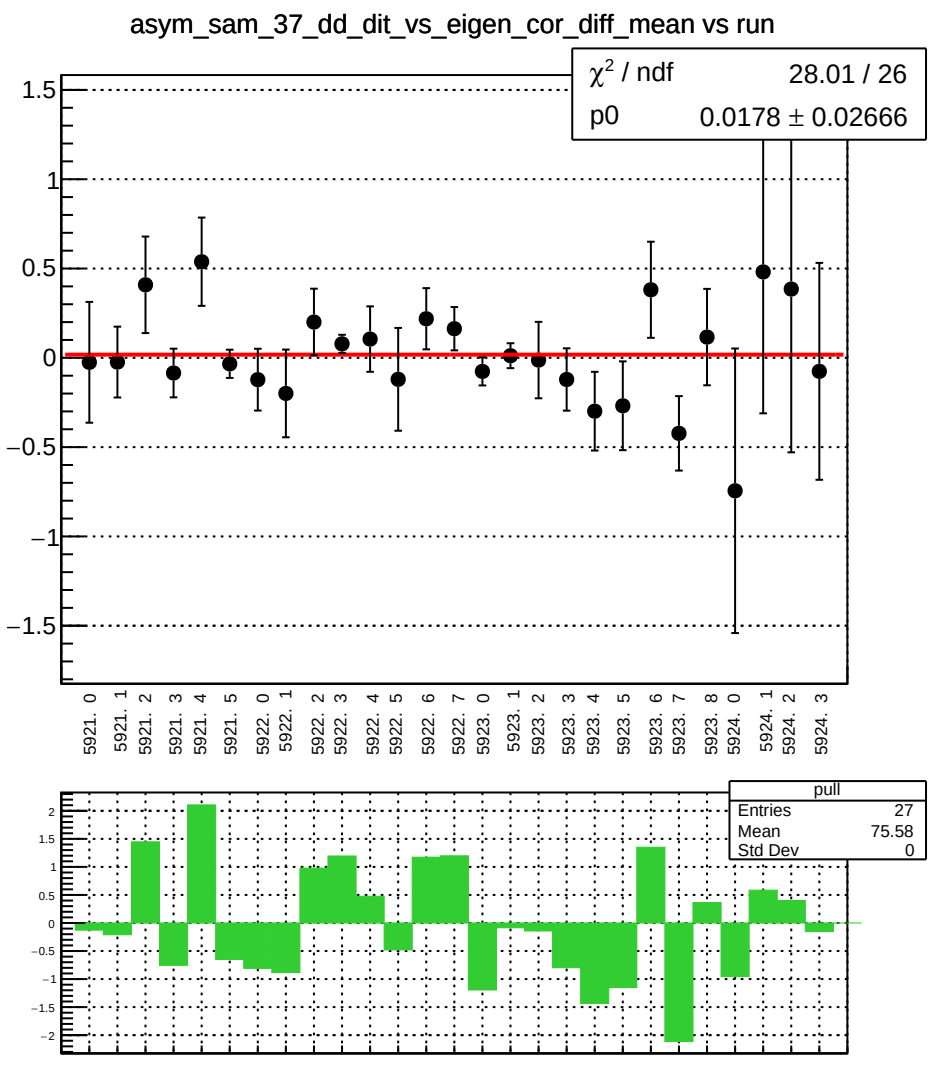

asym_sam_37_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 29 / 26
p0 1.087e−13 ± 9.768e−14
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
−0.001
−0.0012
−0.0014
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 3.558
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

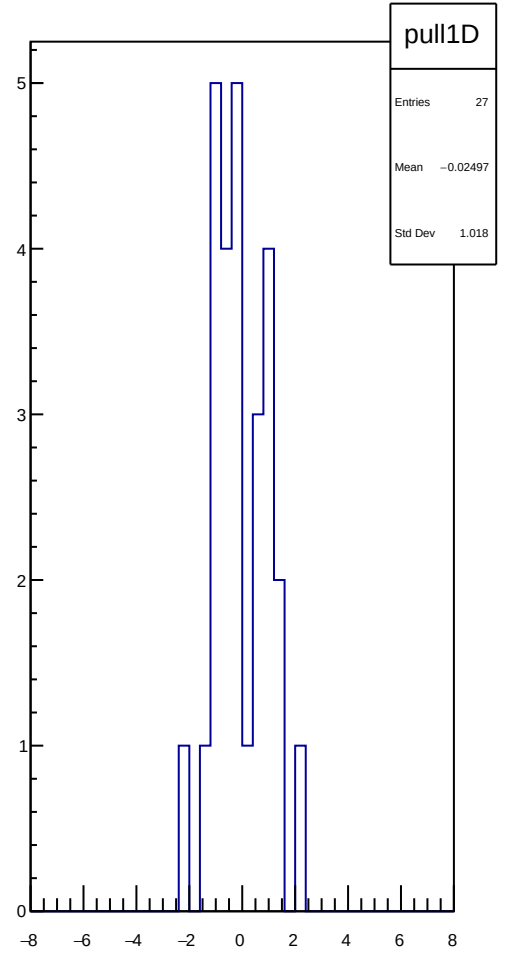

pull1D
Entries 27
Mean 0.04637
Std Dev 1.035
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

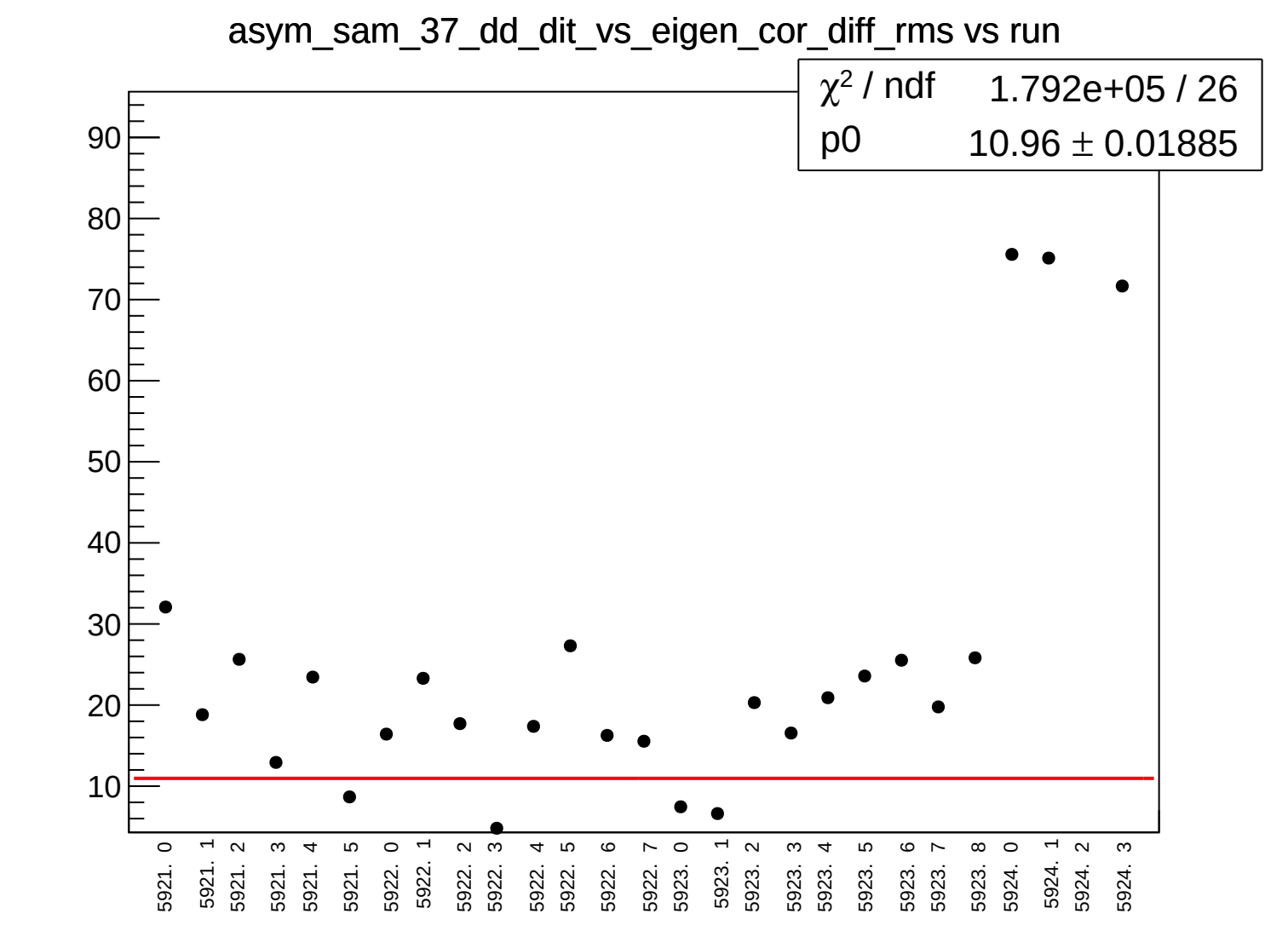

asym_sam_37_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 2.83e+05 / 26
p0 3.342e−11 ± 6.907e−14
0.06
0.05
0.04
0.03
0.02
0.01
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

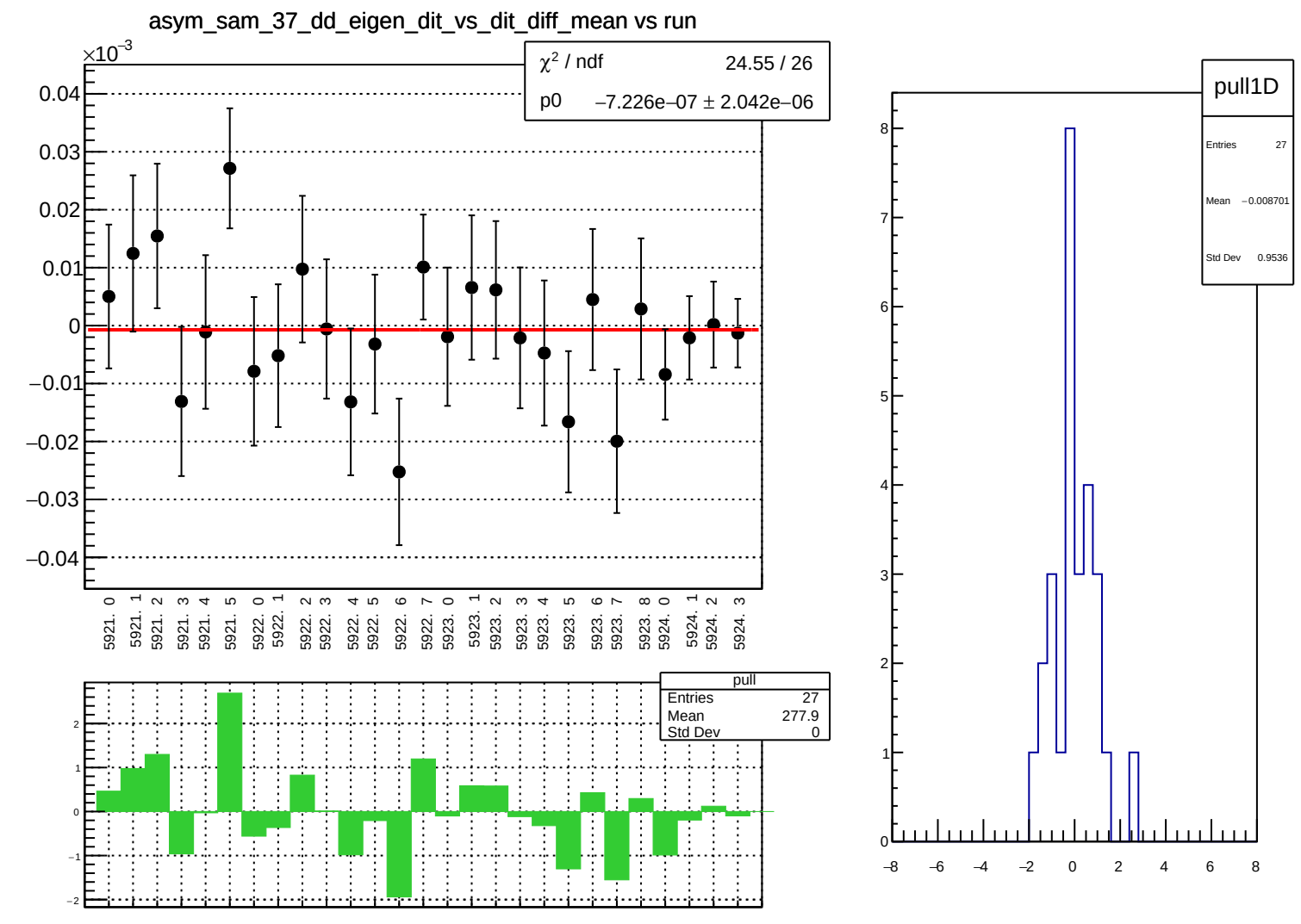

asym_sam_37_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 28.01 / 26
p0 0.0178 ± 0.02666
1.5
1
0.5
0
−0.5
−1
−1.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 75.58
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.02497
Std Dev 1.018
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

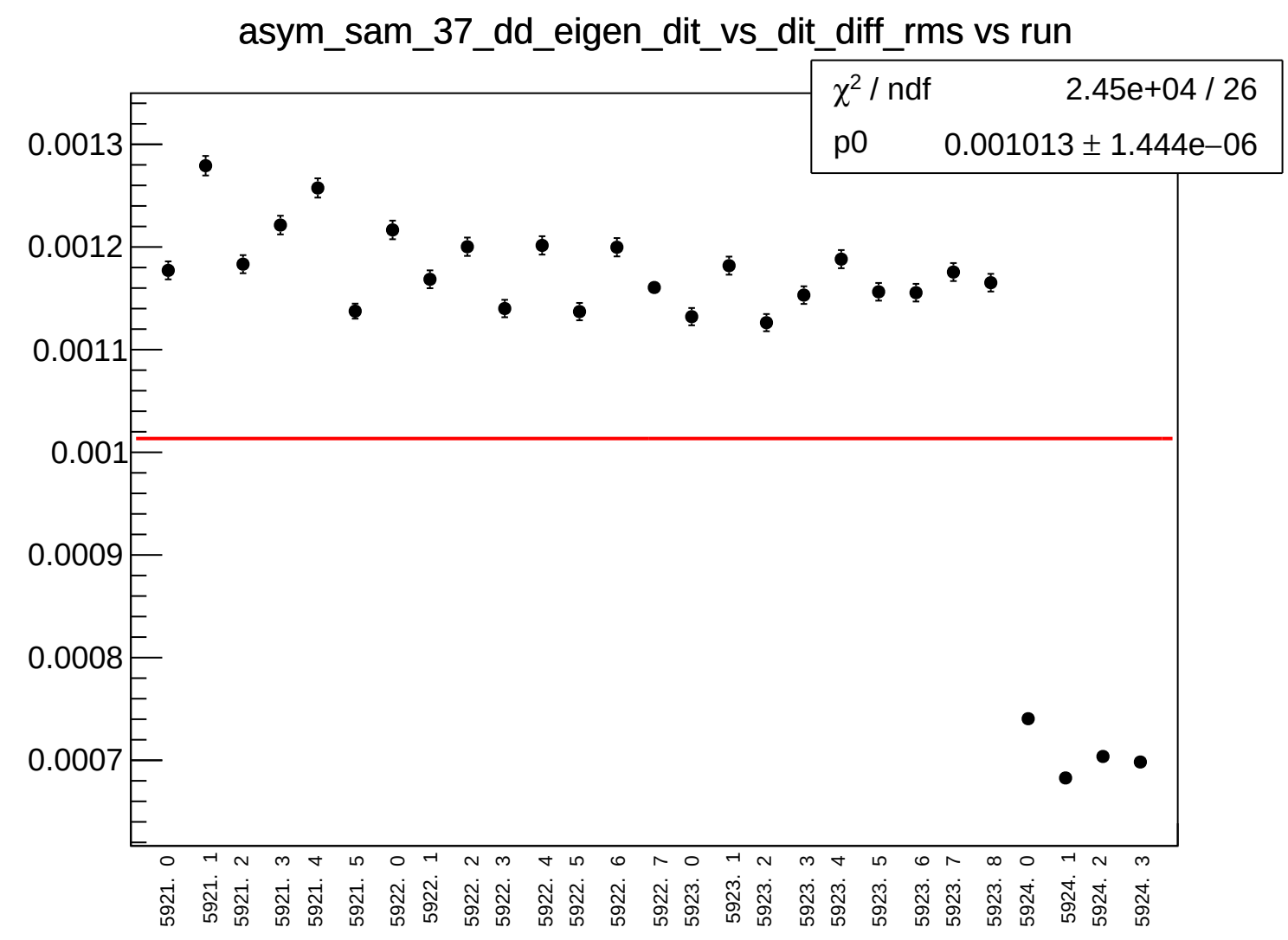

asym_sam_37_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.792e+05 / 26
p0 10.96 ± 0.01885
90
80
70
60
50
40
30
20
10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

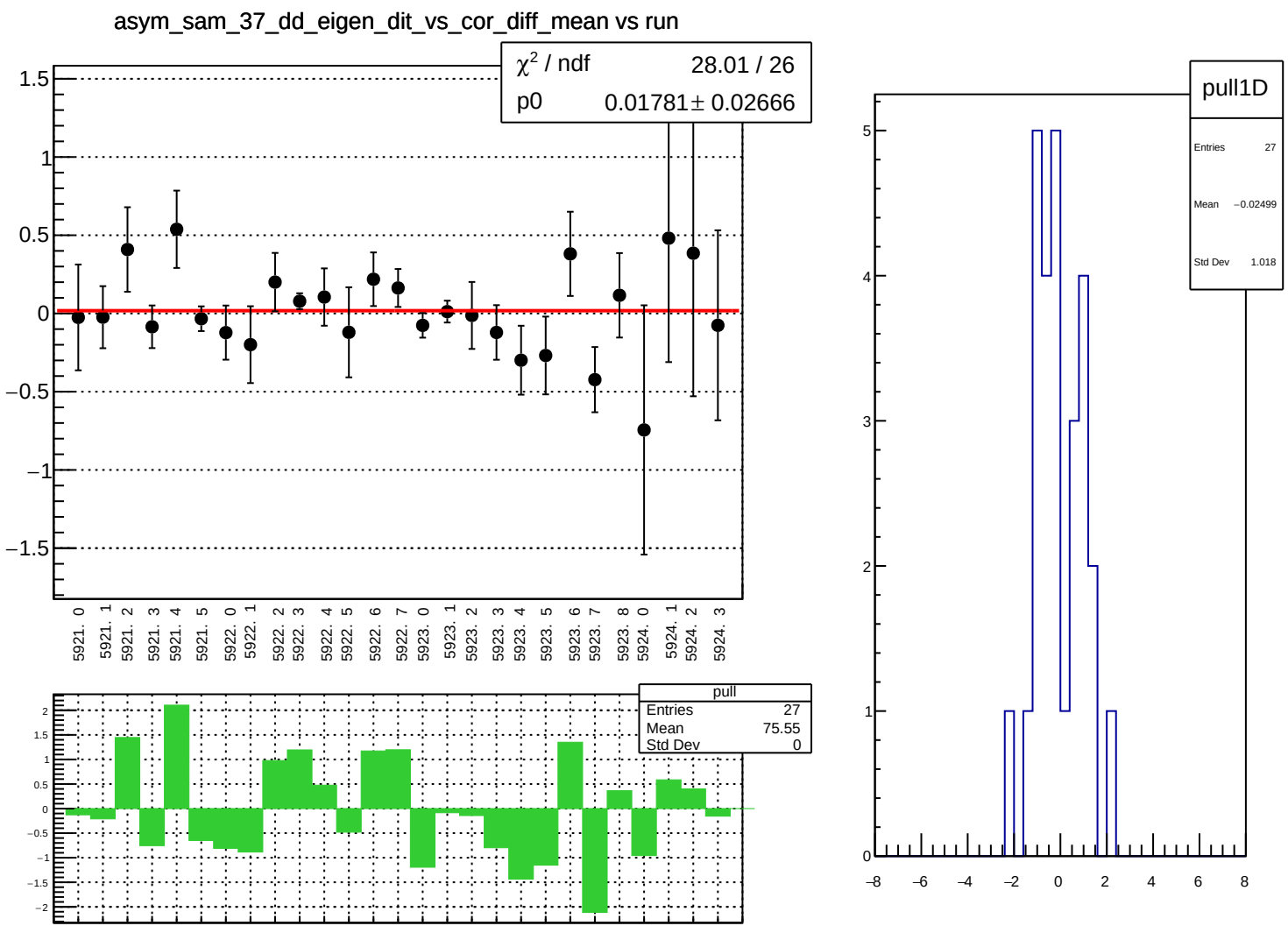

asym_sam_37_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 28.01 / 26
p0 0.0178 ± 0.02666
1.5
1
0.5
0
−0.5
−1
−1.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 75.58
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

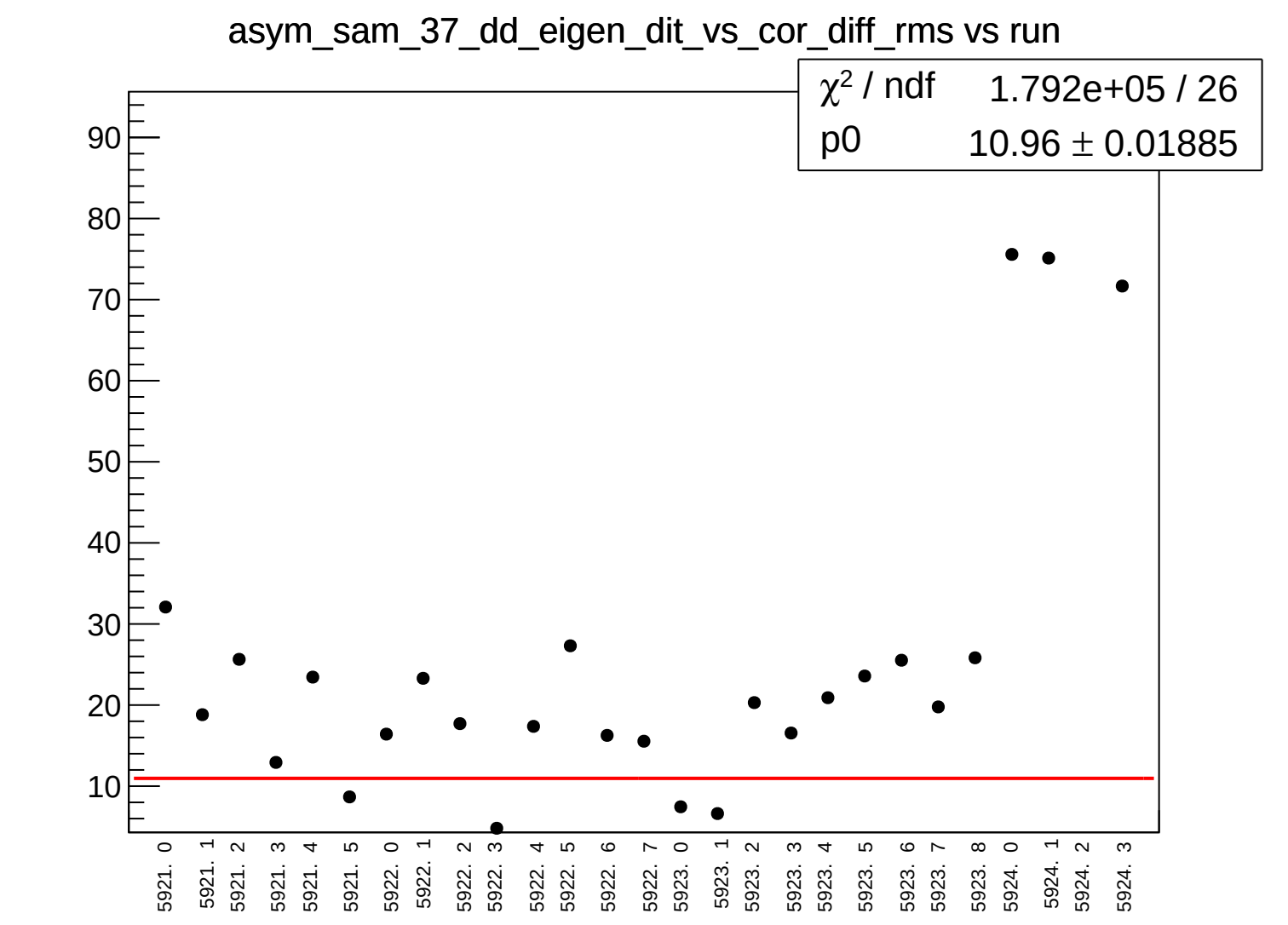

pull1D
Entries 27
Mean −0.02497
Std Dev 1.018
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

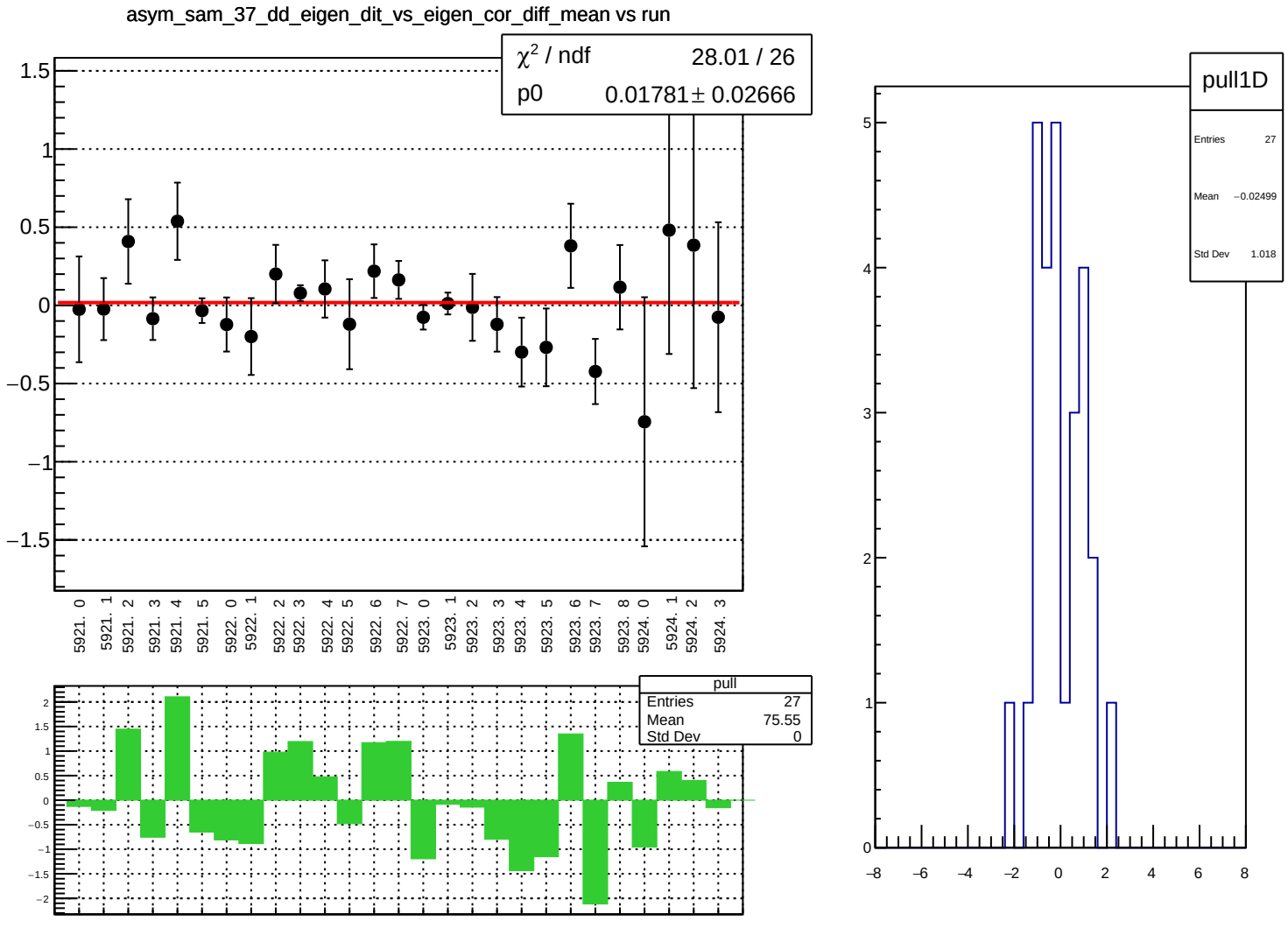

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.792e+05 / 26
p0 10.96 ± 0.01885
90
80
70
60
50
40
30
20
10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

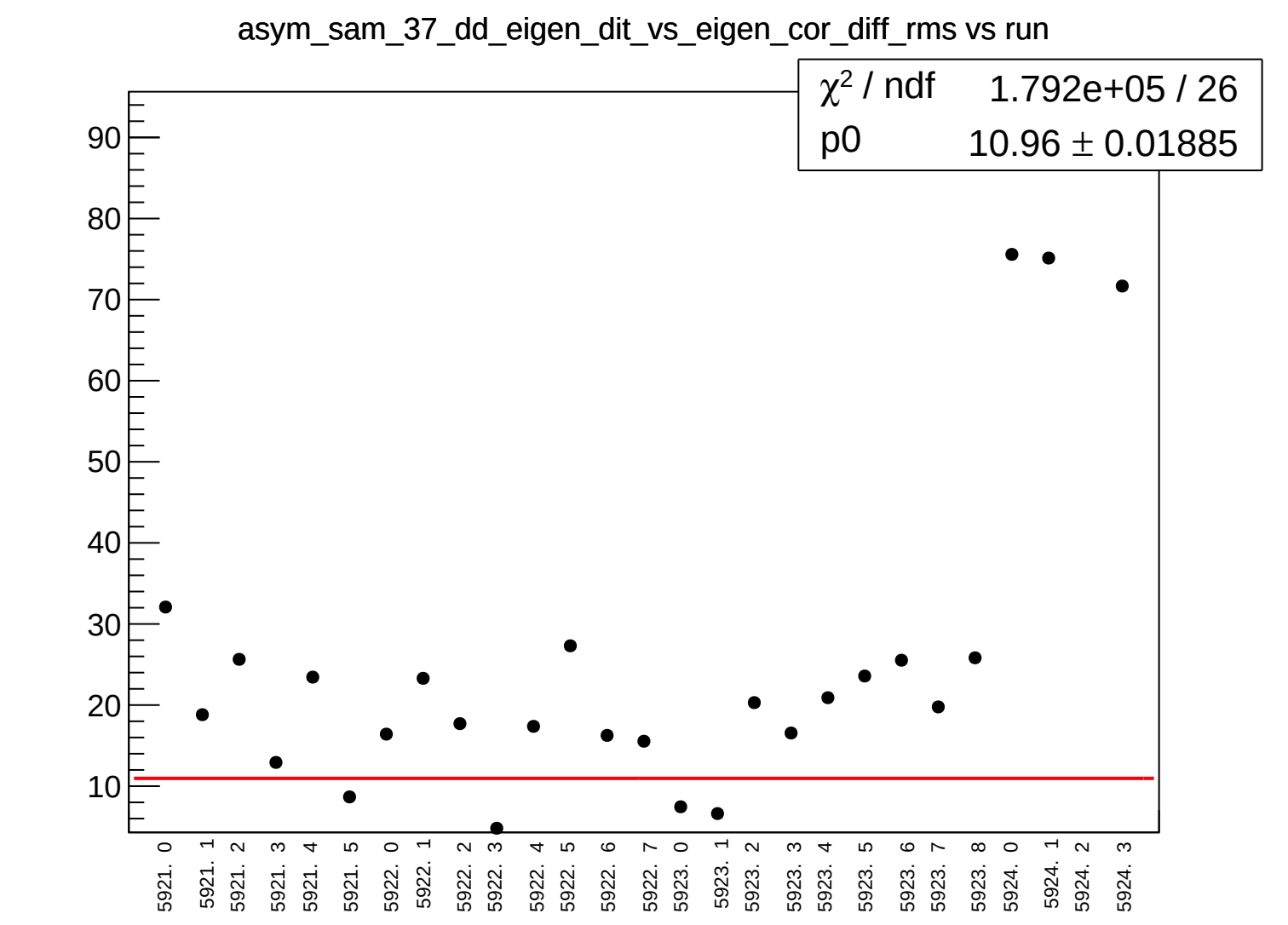

asym_sam_37_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 24.55 / 26
p0 −7.226e−07 ± 2.042e−06
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 277.9
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean −0.008701
Std Dev 0.9536
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

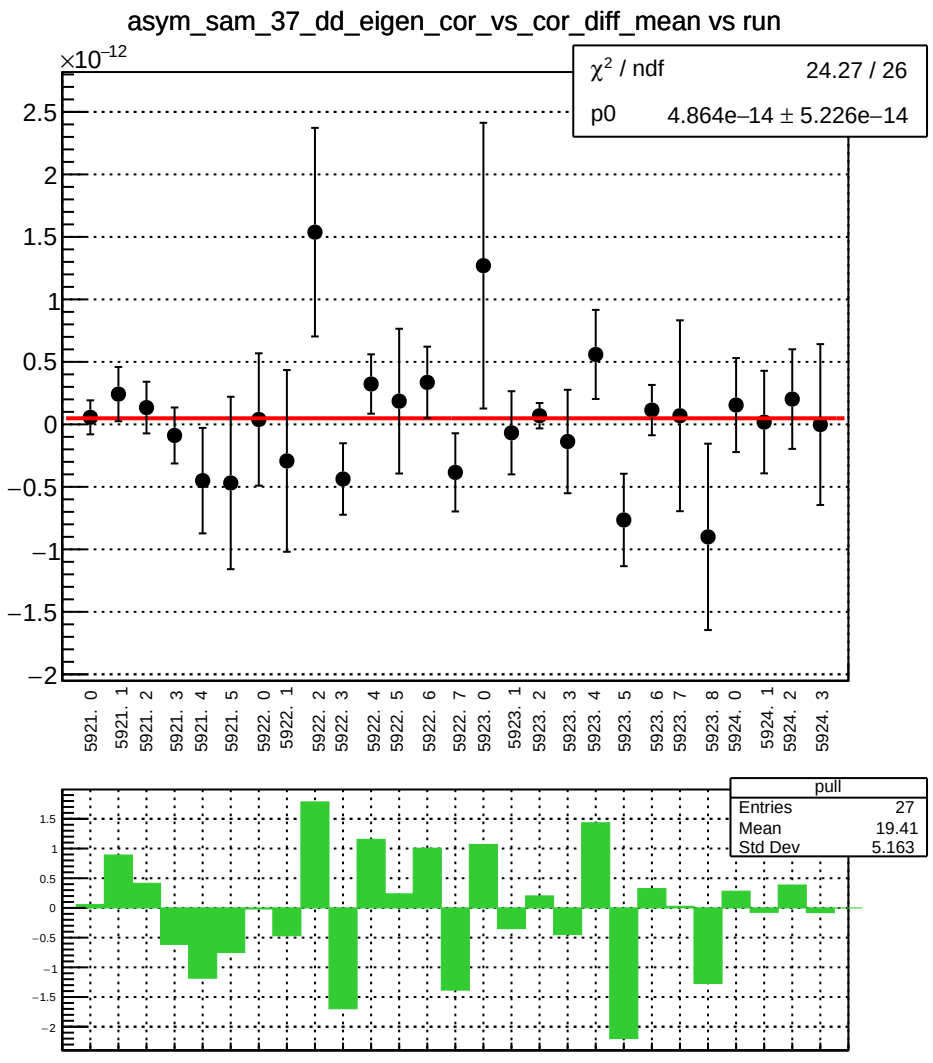

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.45e+04 / 26
p0 0.001013 ± 1.444e−06
0.0013
0.0012
0.0011
0.001
0.0009
0.0008
0.0007
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

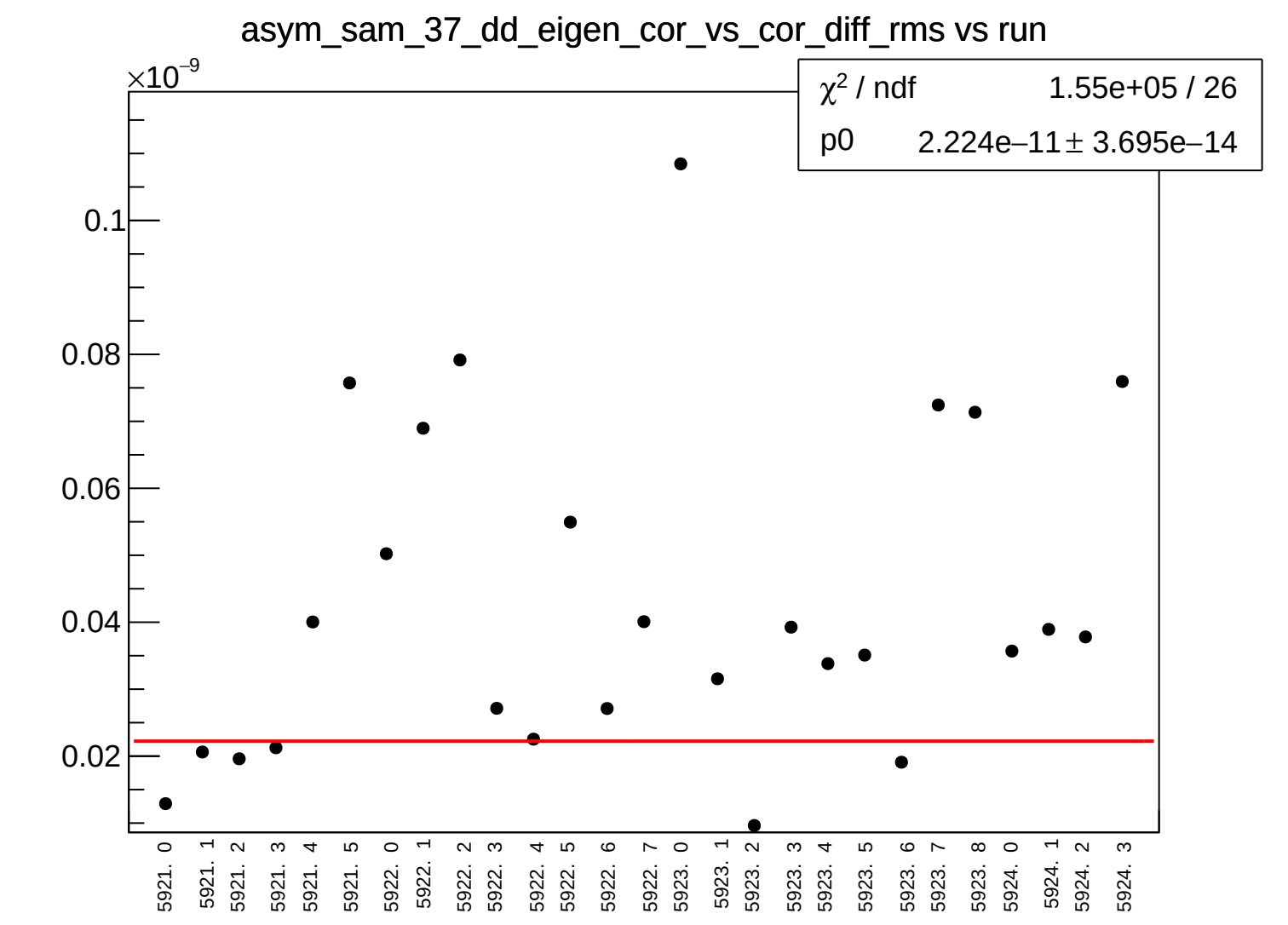

asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 28.01 / 26
p0 0.01781 ± 0.02666
1.5
1
0.5
0
−0.5
−1
−1.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 75.55
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.02499
Std Dev 1.018
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

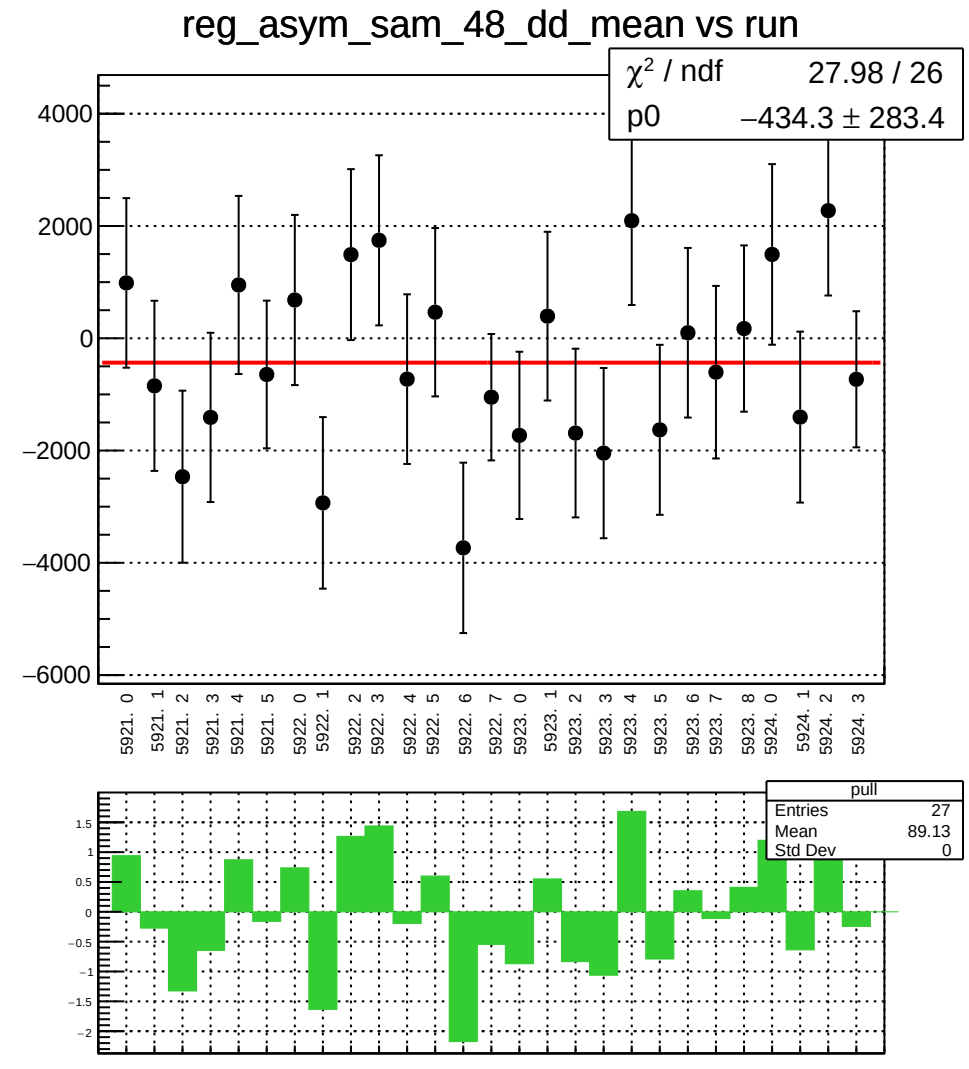

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.792e+05 / 26
p0 10.96 ± 0.01885
90
80
70
60
50
40
30
20
10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

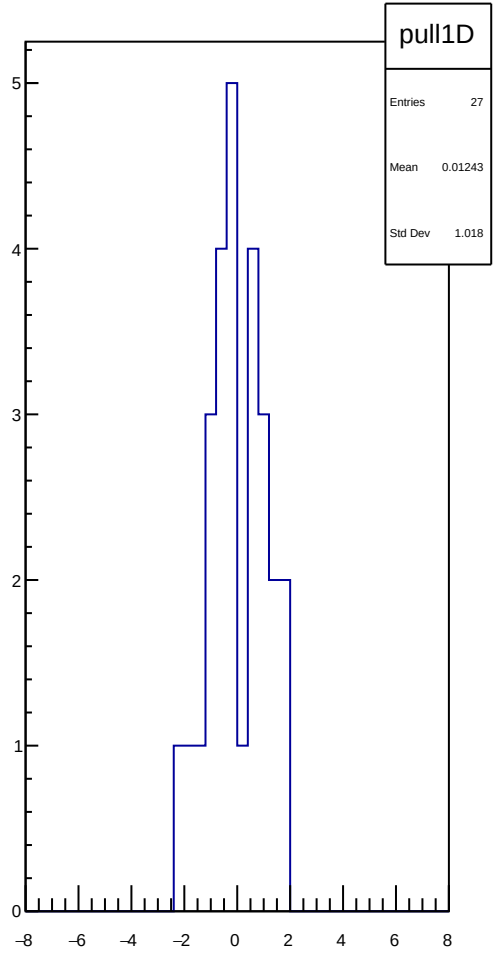

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 28.01 / 26
p0 0.01781 ± 0.02666
1.5
1
0.5
0
−0.5
−1
−1.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 75.55
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.02499
Std Dev 1.018
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

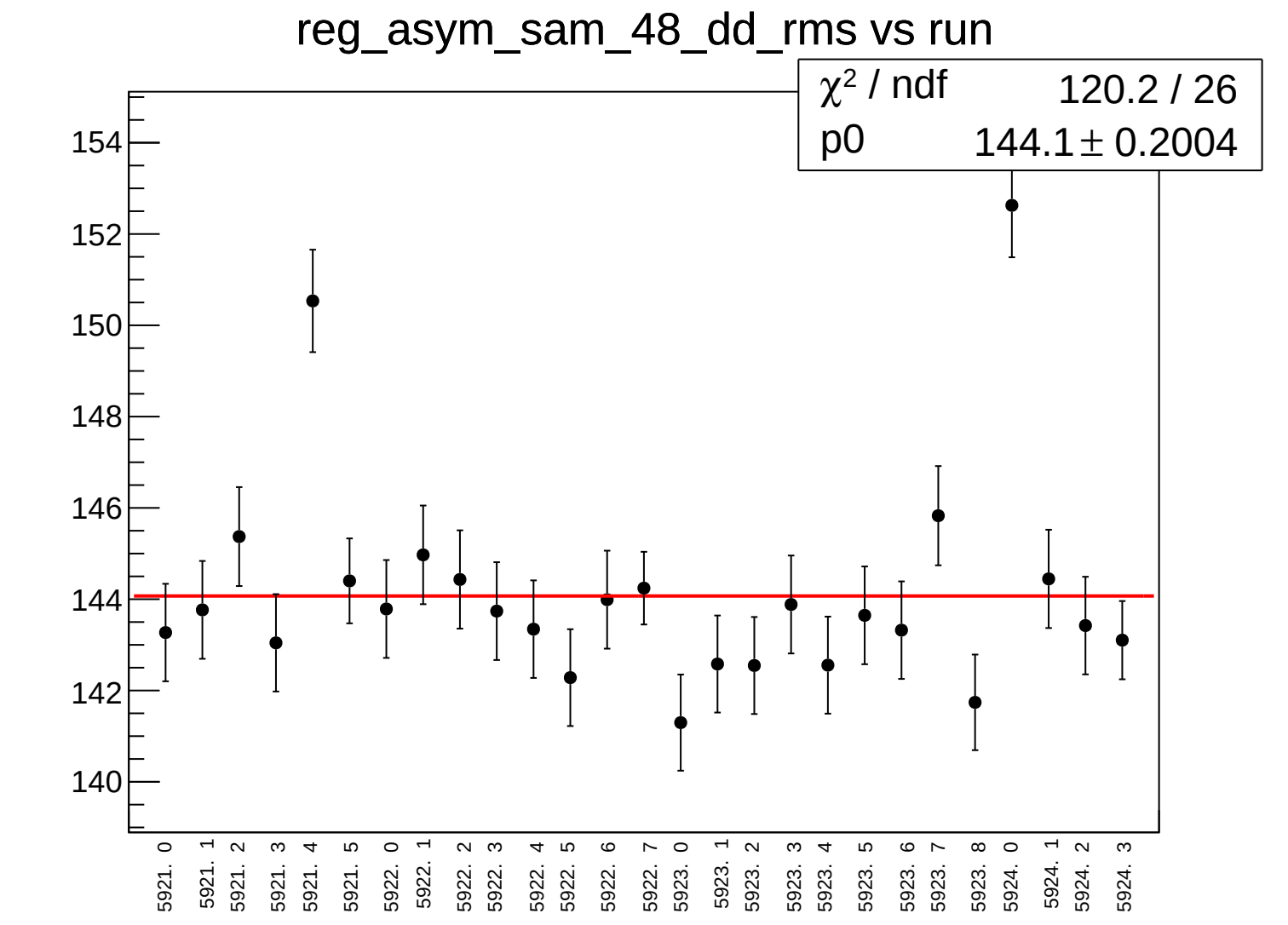

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.792e+05 / 26
p0 10.96 ± 0.01885
90
80
70
60
50
40
30
20
10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

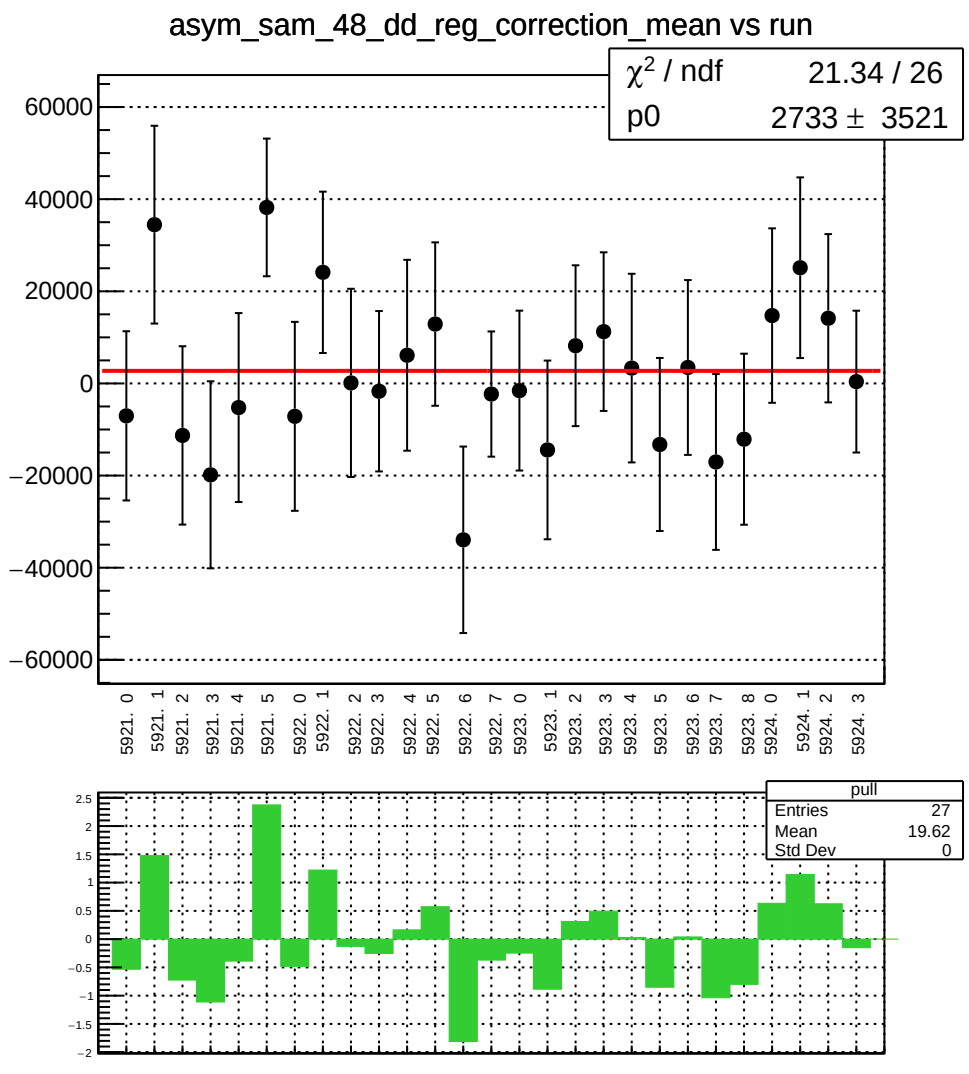

asym_sam_37_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 24.27 / 26
p0 4.864e−14 ± 5.226e−14
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 19.41
Std Dev 5.163
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.04708
Std Dev 0.9469
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

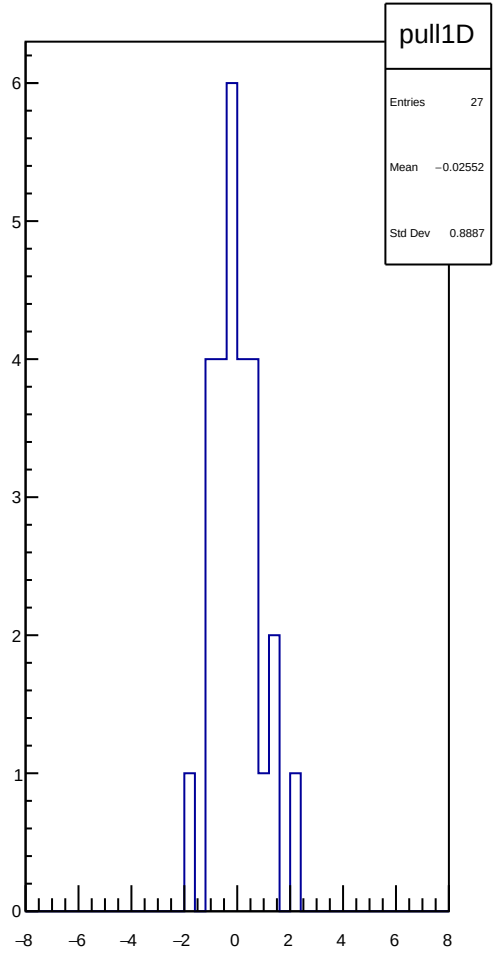

asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.55e+05 / 26
p0 2.224e−11 ± 3.695e−14
0.1
0.08
0.06
0.04
0.02
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

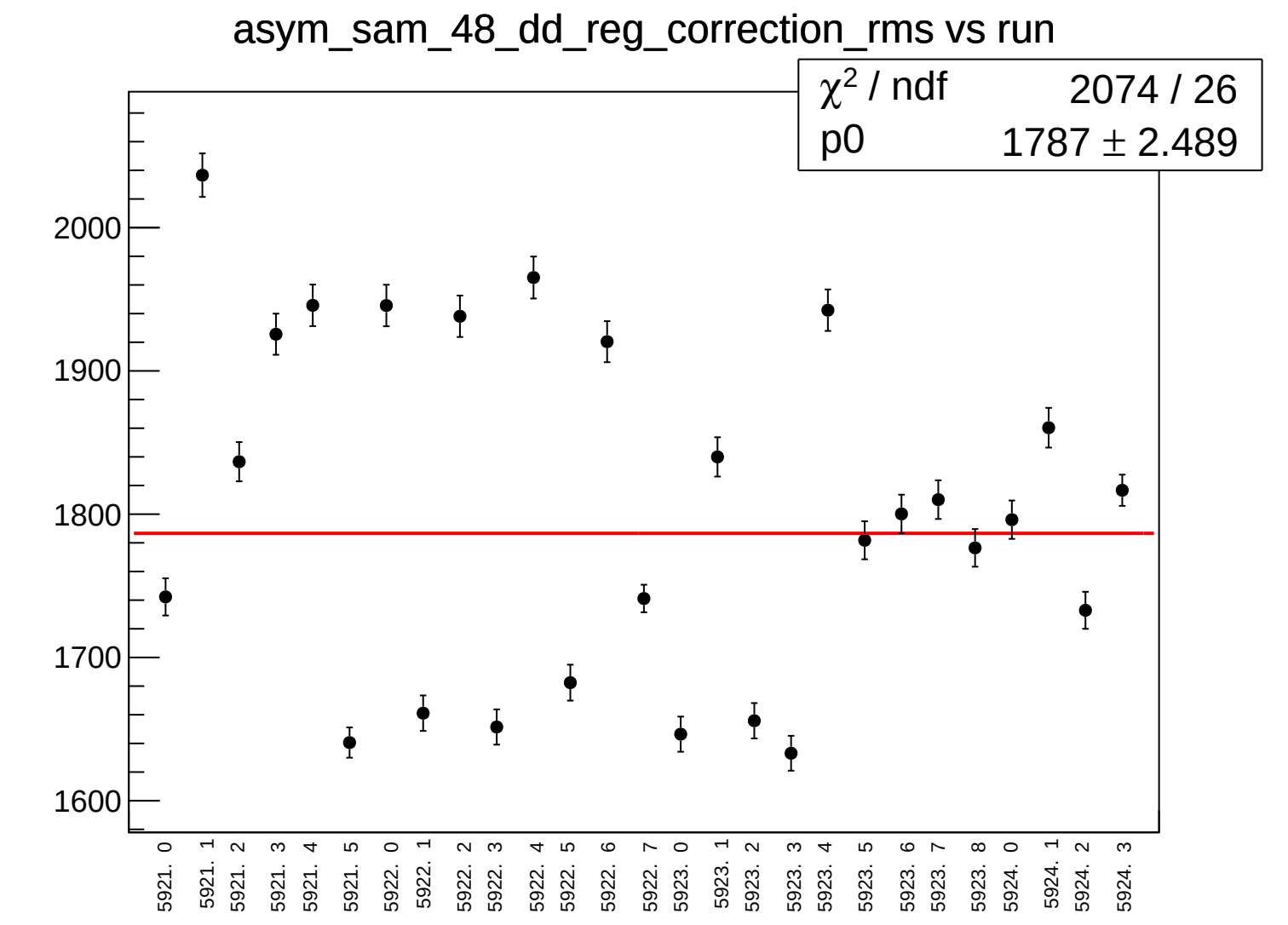

reg_asym_sam_48_dd_mean vs run
χ² / ndf 27.98 / 26
p0 −434.3 ± 283.4
4000
2000
0
−2000
−4000
−6000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 89.13
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

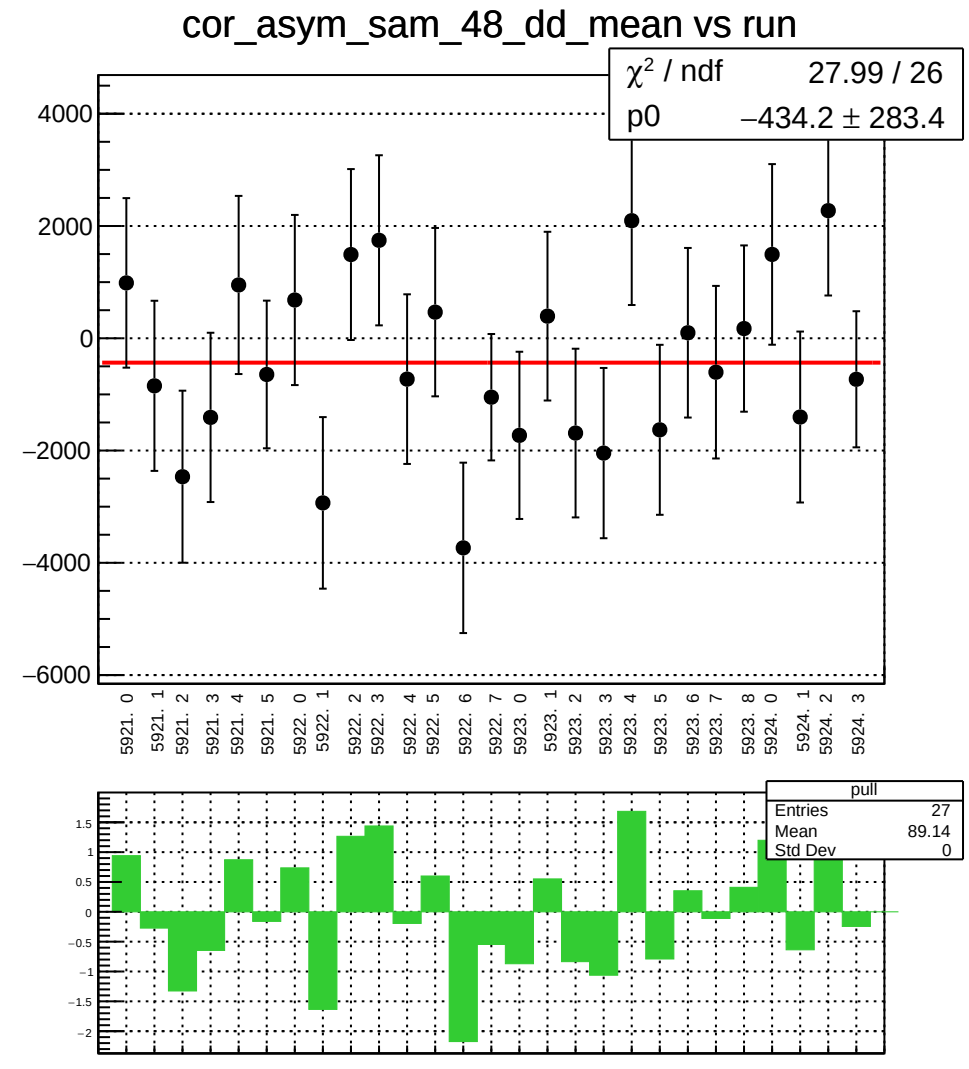

pull1D
Entries 27
Mean 0.01243
Std Dev 1.018
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

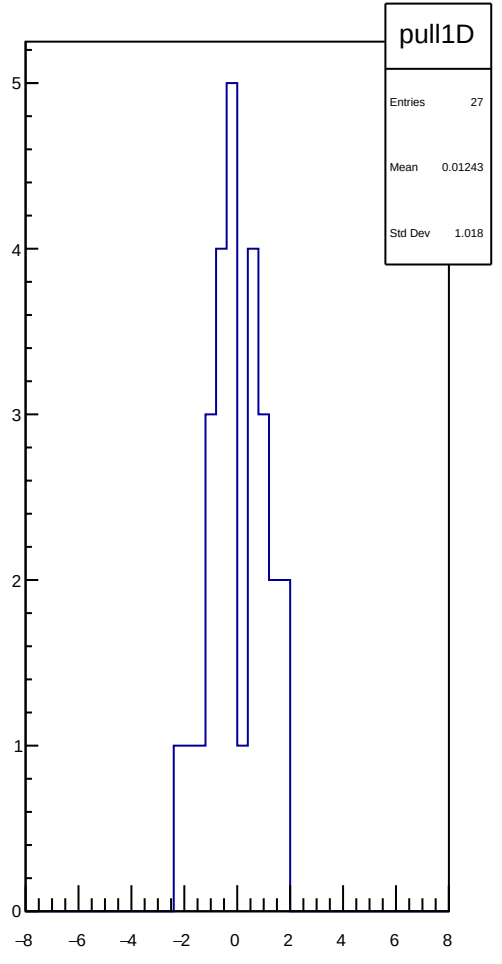

reg_asym_sam_48_dd_rms vs run
χ² / ndf 120.2 / 26
p0 144.1 ± 0.2004
154
152
150
148
146
144
142
140
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

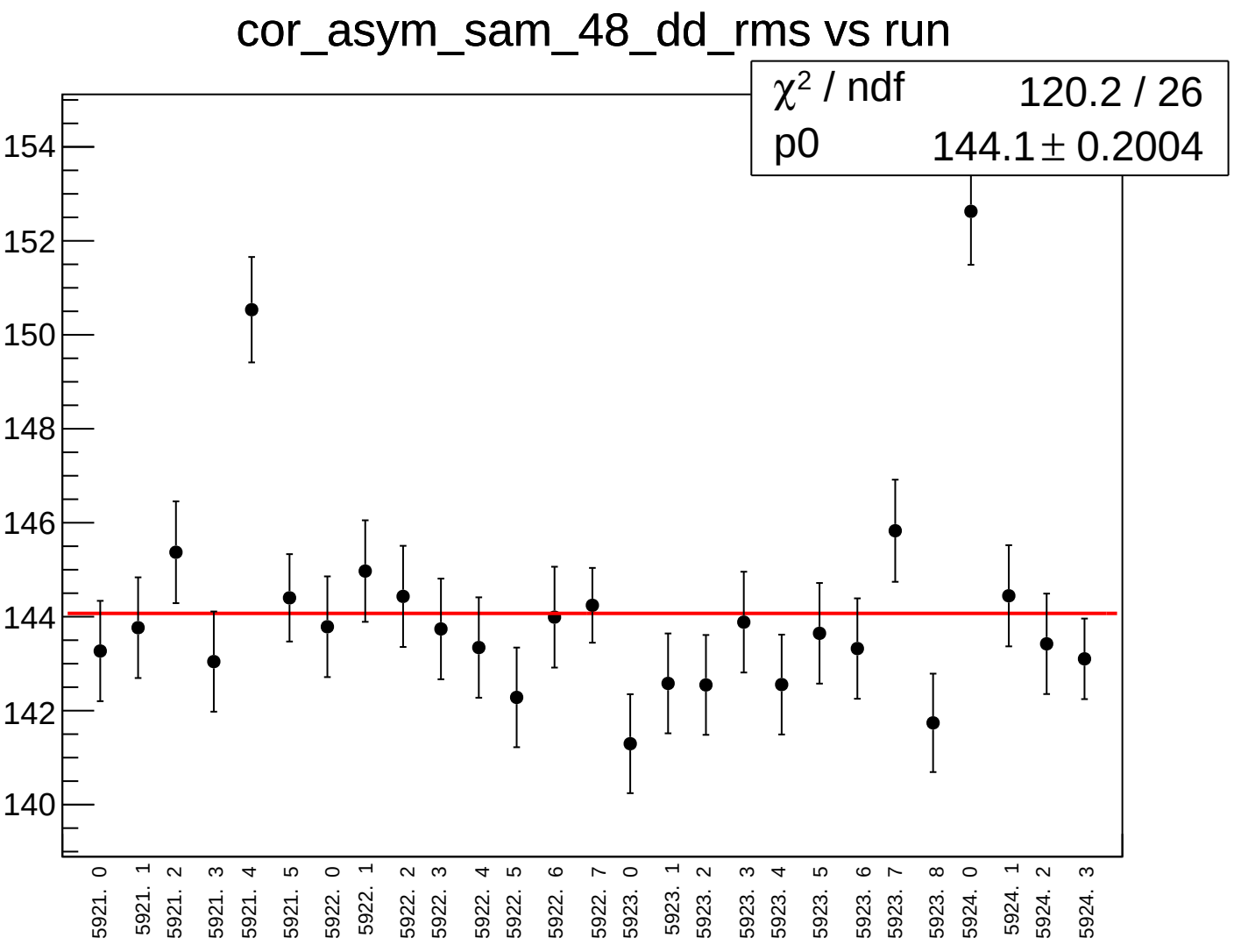

asym_sam_48_dd_reg_correction_mean vs run
χ² / ndf 21.34 / 26
p0 2733 ± 3521
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 19.62
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

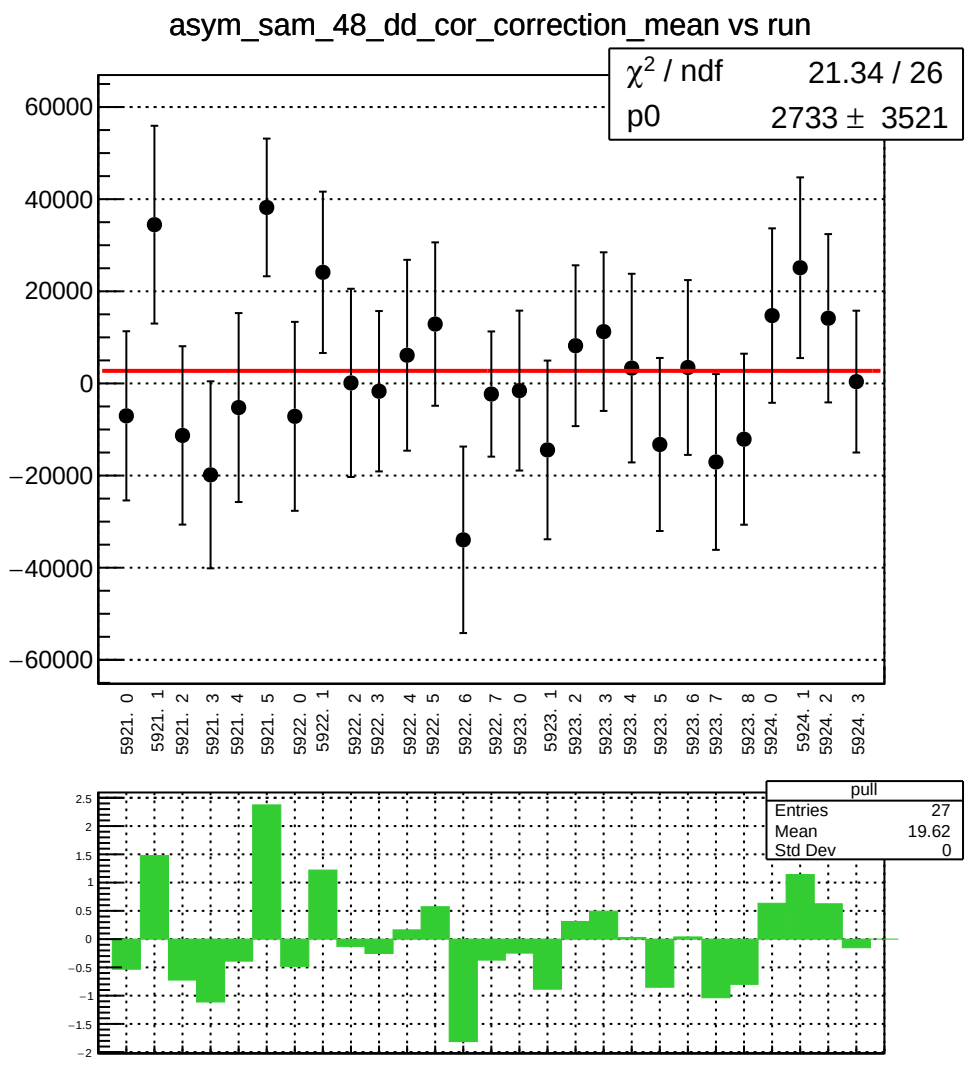

pull1D
Entries 27
Mean −0.02552
Std Dev 0.8887
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

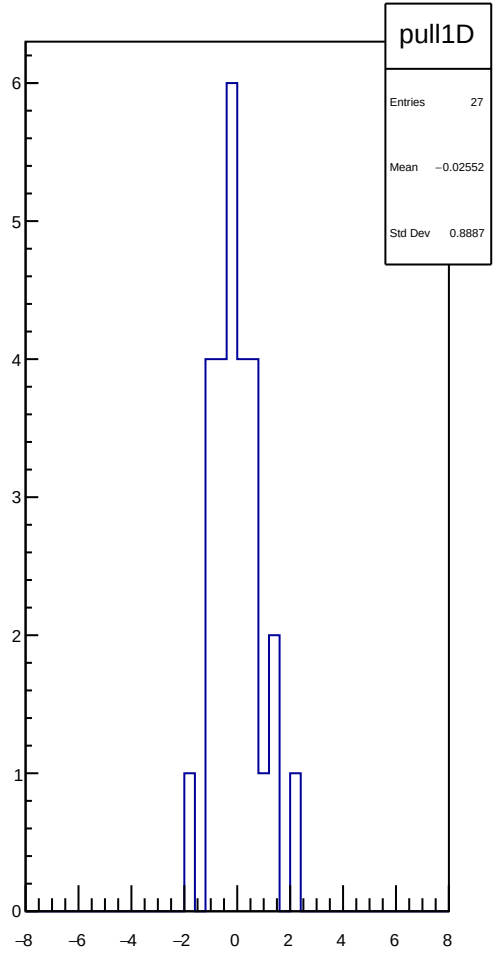

asym_sam_48_dd_reg_correction_rms vs run
χ² / ndf 2074 / 26
p0 1787 ± 2.489
2000
1900
1800
1700
1600
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

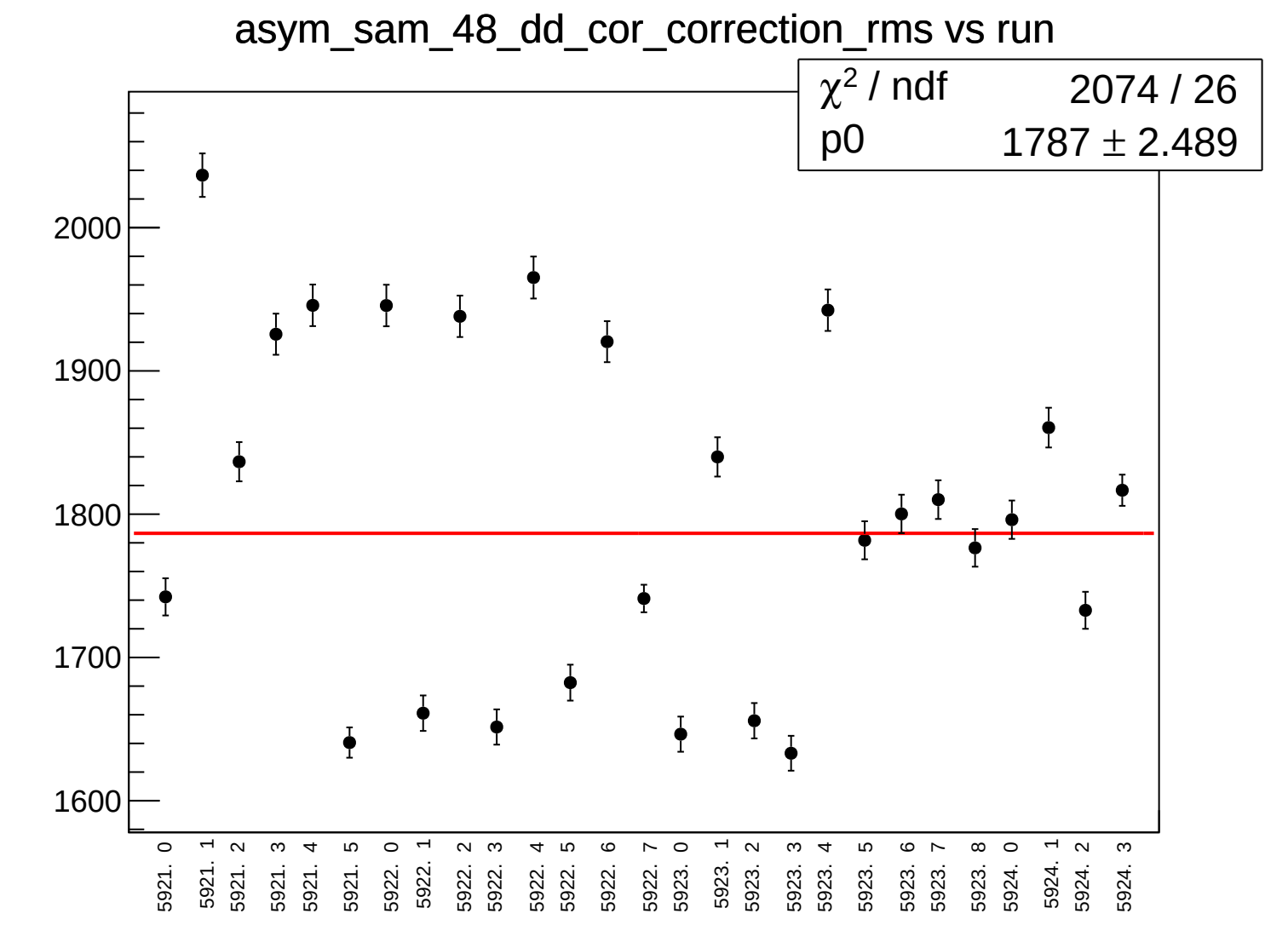

cor_asym_sam_48_dd_mean vs run
χ² / ndf 27.99 / 26
p0 −434.2 ± 283.4
4000
2000
0
−2000
−4000
−6000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 89.14
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

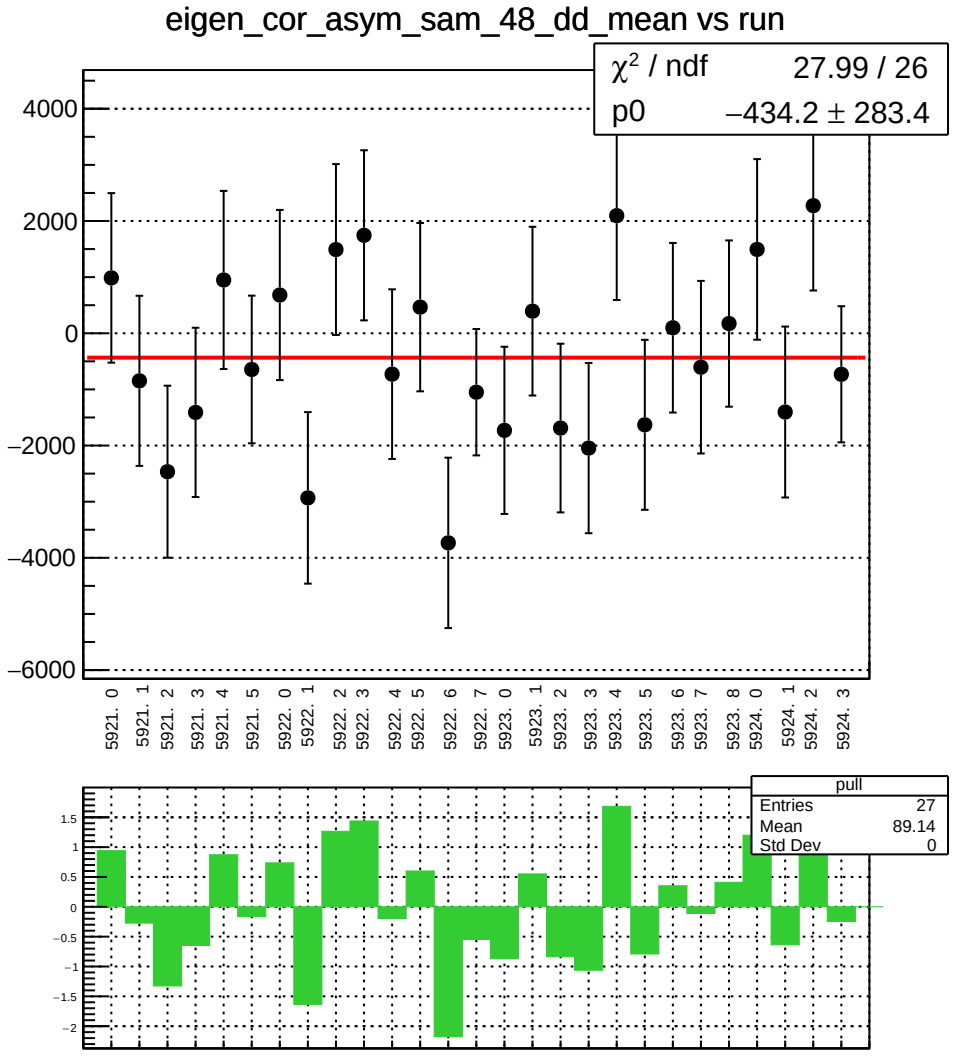

pull1D
Entries 27
Mean 0.01243
Std Dev 1.018
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

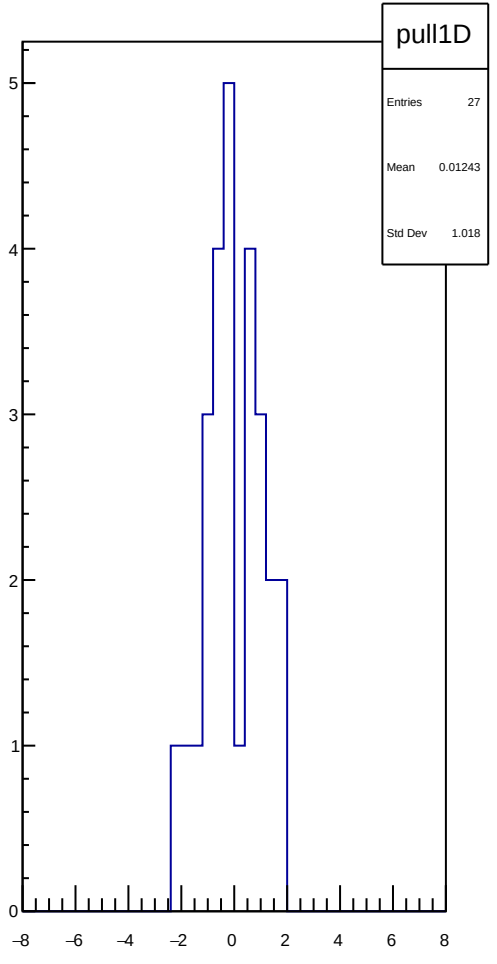

cor_asym_sam_48_dd_rms vs run
χ² / ndf 120.2 / 26
p0 144.1 ± 0.2004
154
152
150
148
146
144
142
140
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

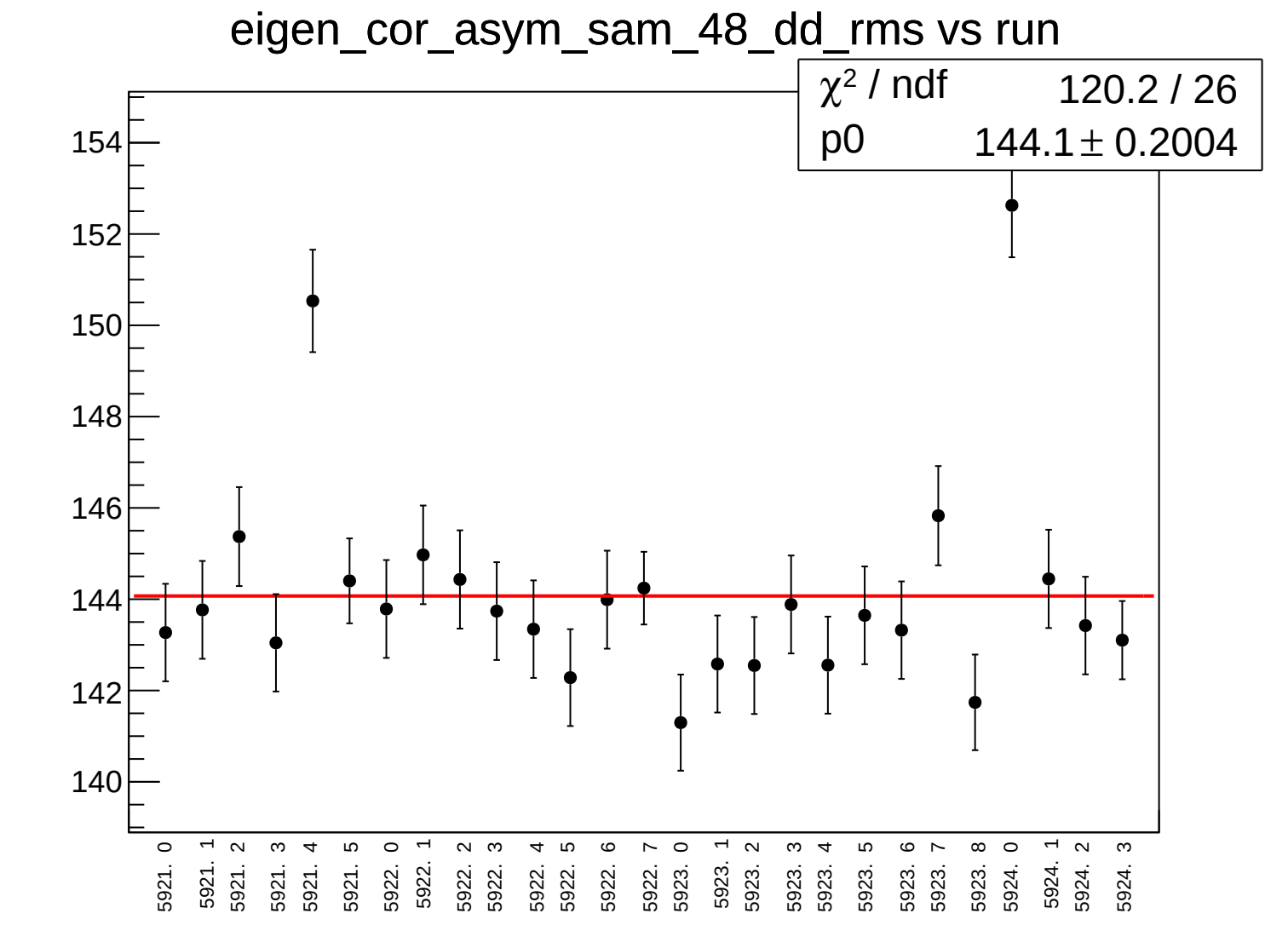

asym_sam_48_dd_cor_correction_mean vs run
χ² / ndf 21.34 / 26
p0 2733 ± 3521
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 19.62
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

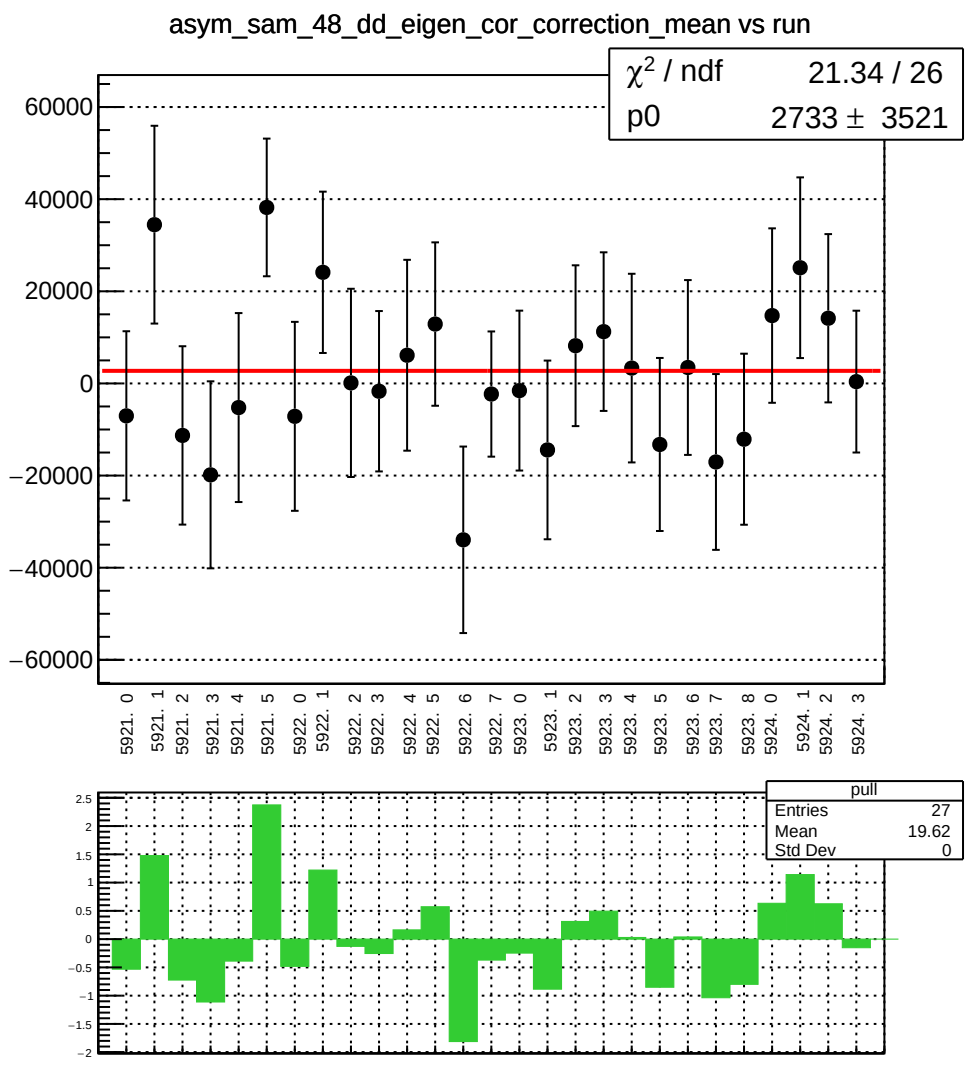

pull1D
Entries 27
Mean −0.02552
Std Dev 0.8887
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

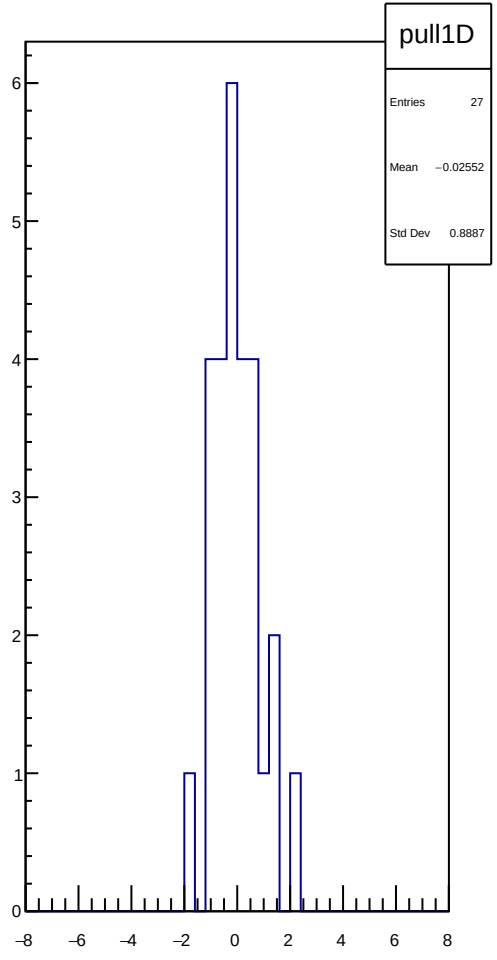

asym_sam_48_dd_cor_correction_rms vs run
χ² / ndf 2074 / 26
p0 1787 ± 2.489
2000
1900
1800
1700
1600
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

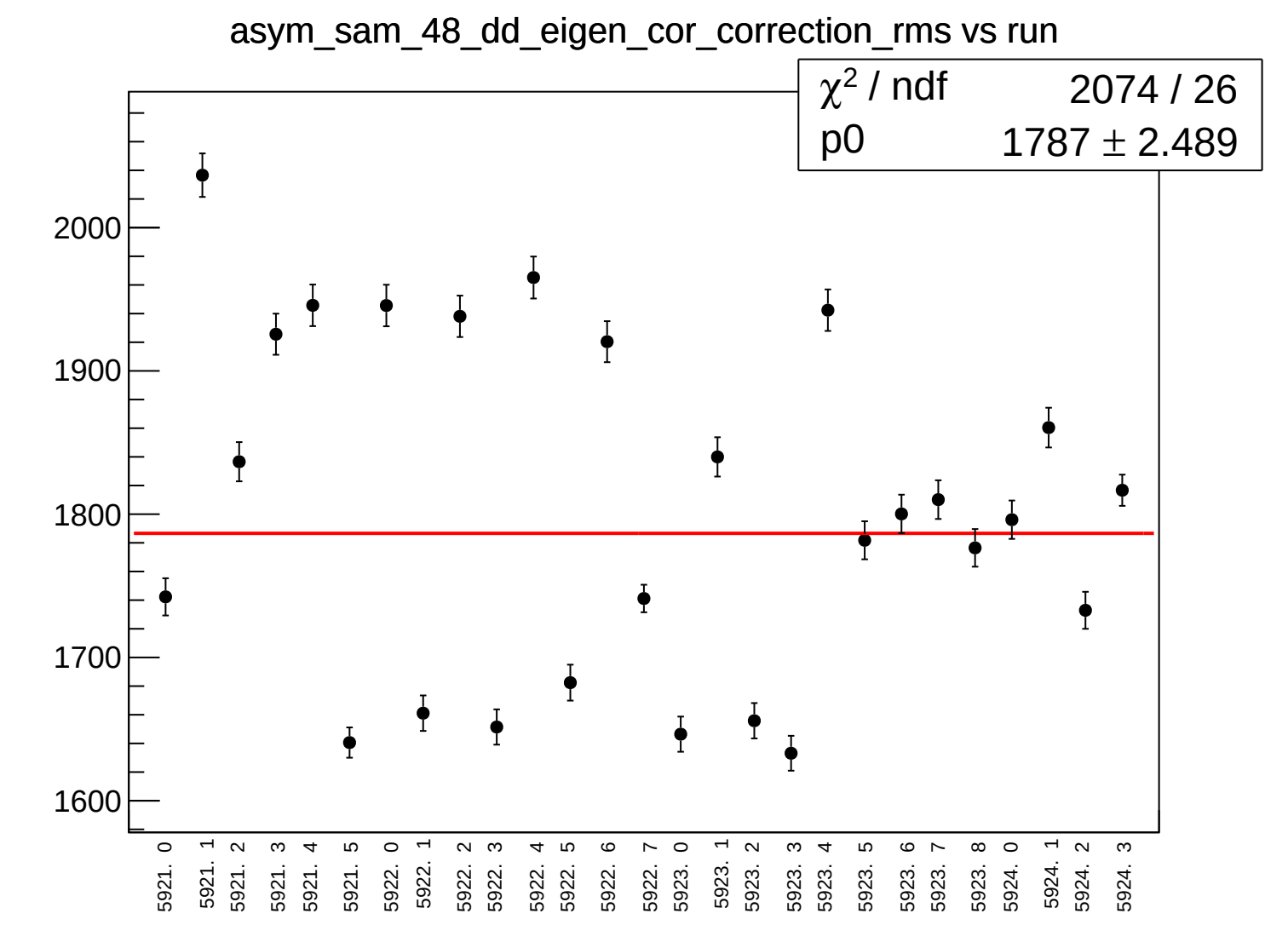

eigen_cor_asym_sam_48_dd_mean vs run
χ² / ndf 27.99 / 26
p0 −434.2 ± 283.4
4000
2000
0
−2000
−4000
−6000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 89.14
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

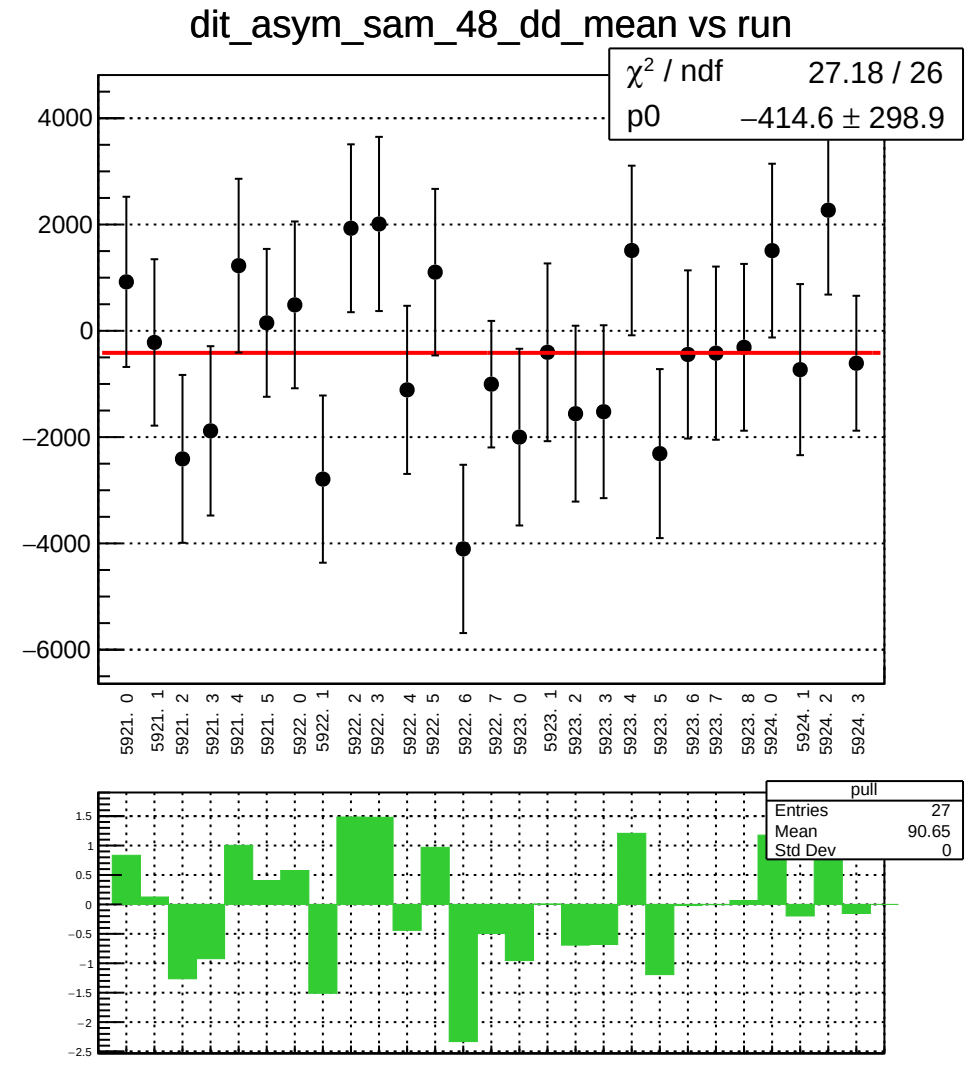

pull1D
Entries 27
Mean 0.01243
Std Dev 1.018
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

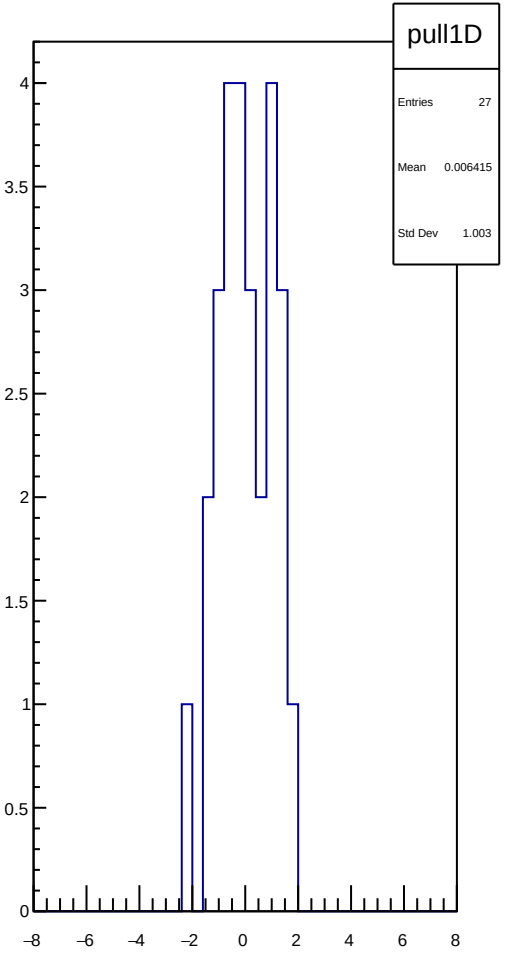

eigen_cor_asym_sam_48_dd_rms vs run
χ² / ndf 120.2 / 26
p0 144.1 ± 0.2004
154
152
150
148
146
144
142
140
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

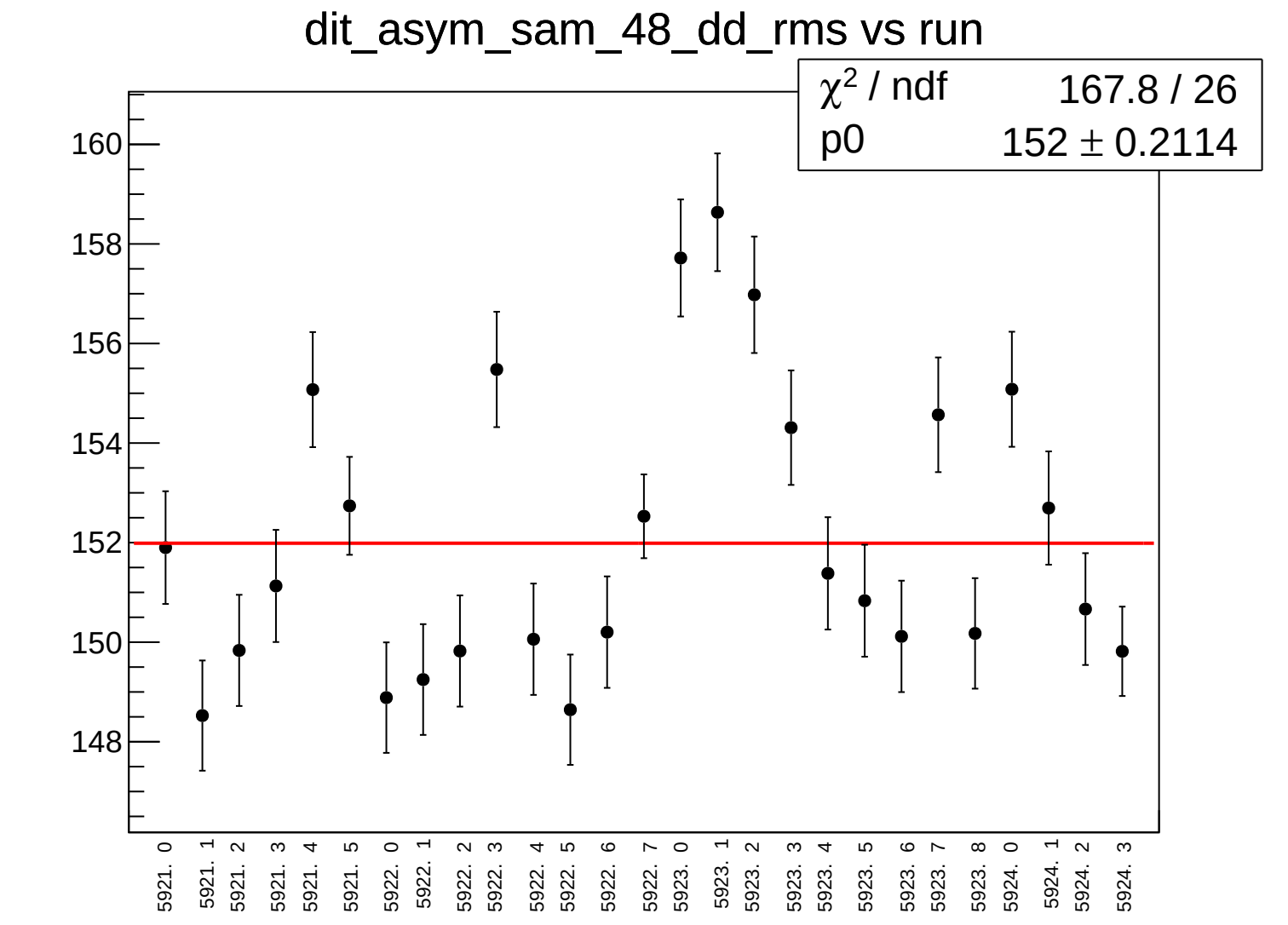

asym_sam_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 21.34 / 26
p0 2733 ± 3521
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 19.62
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

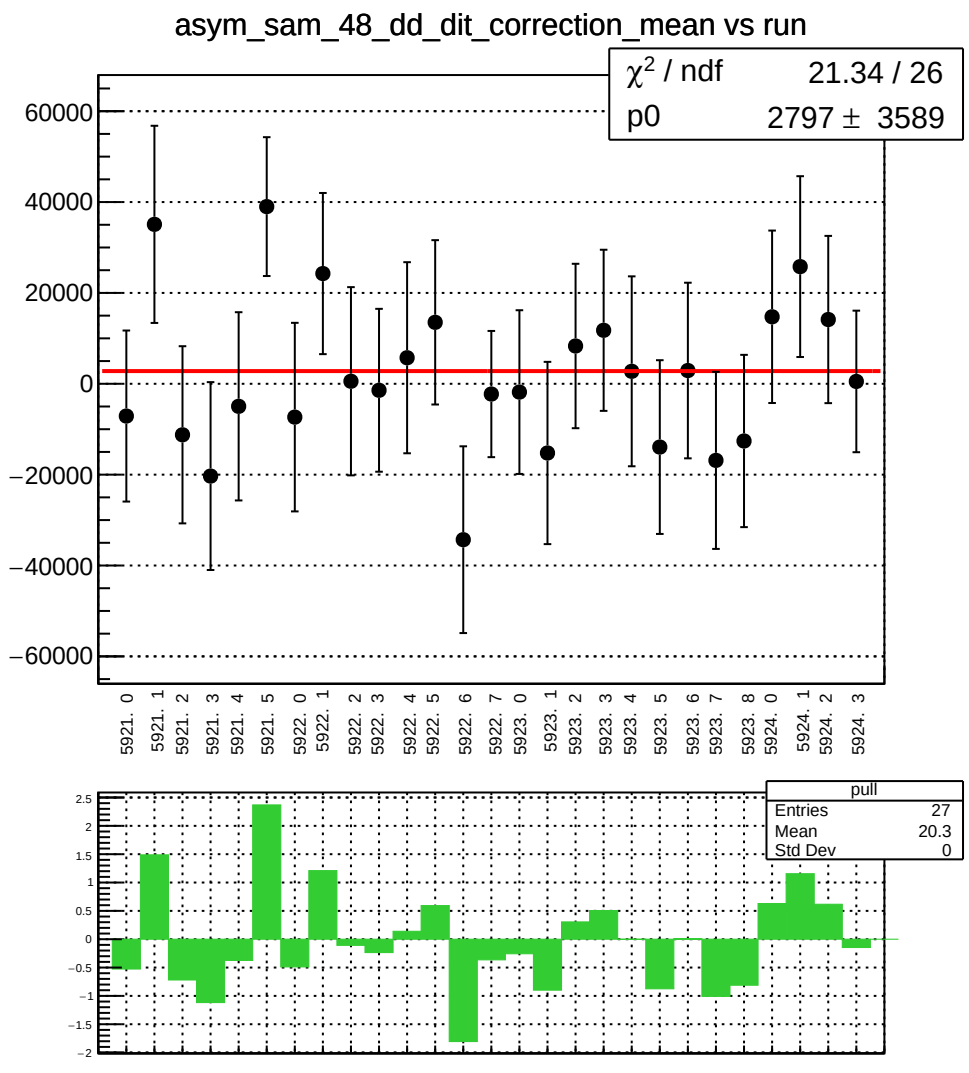

pull1D
Entries 27
Mean −0.02552
Std Dev 0.8887
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

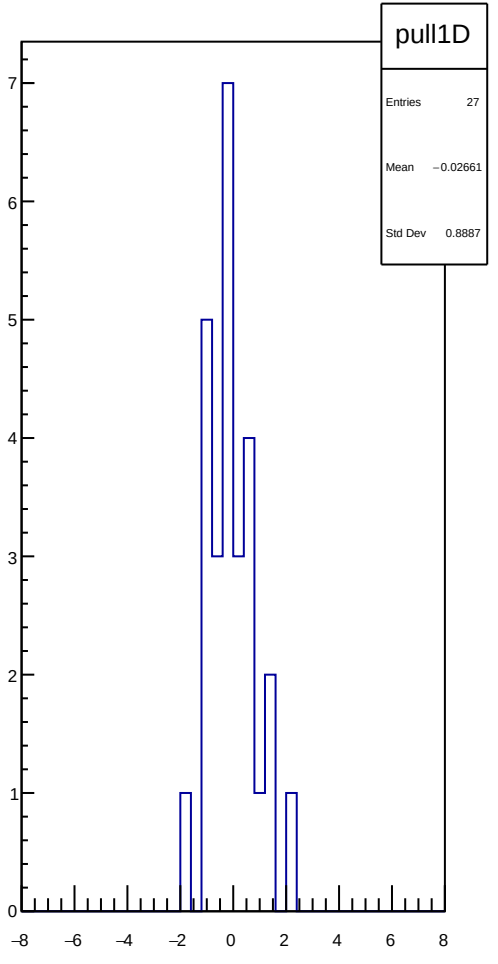

asym_sam_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 2074 / 26
p0 1787 ± 2.489
2000
1900
1800
1700
1600
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

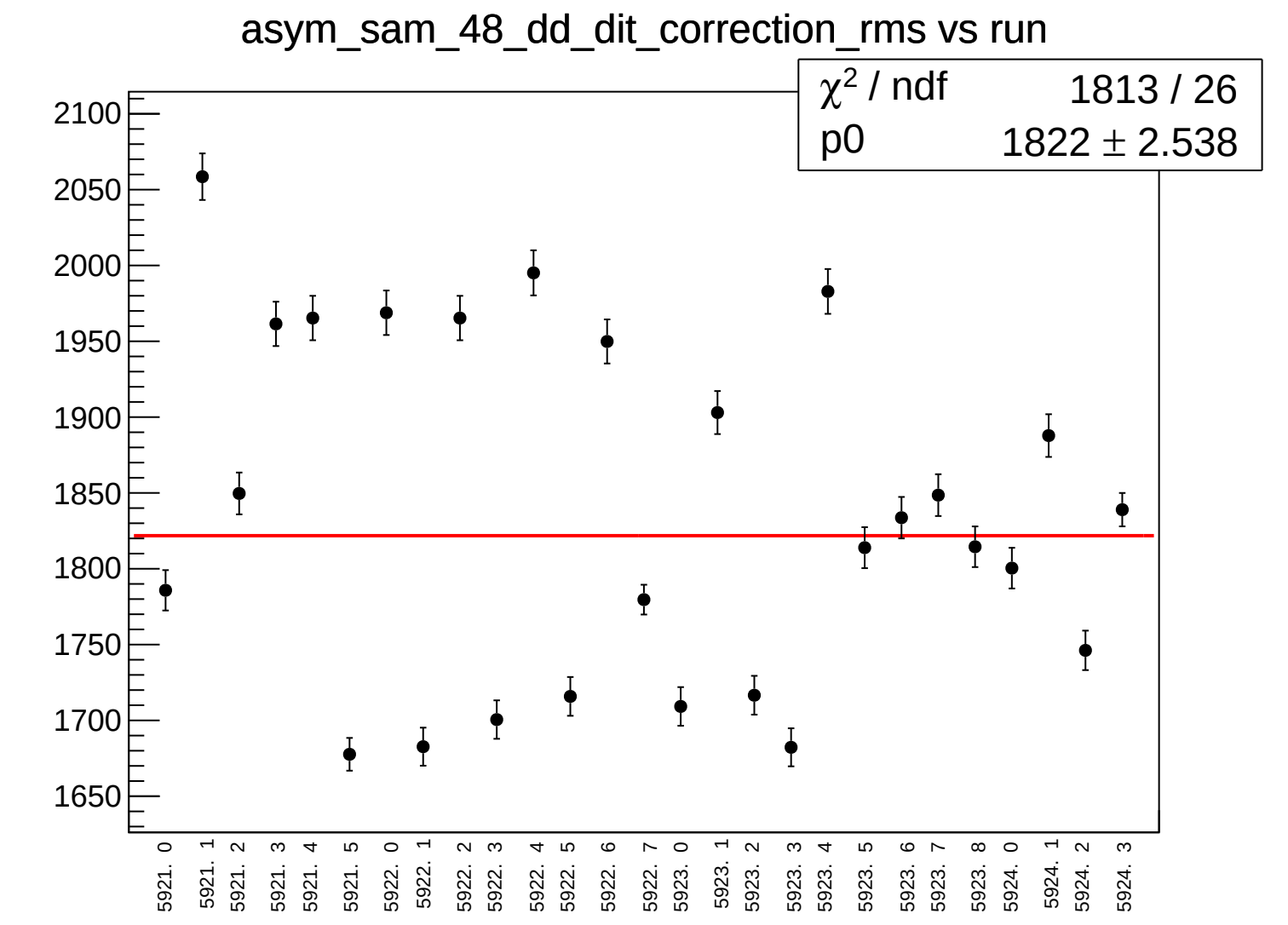

dit_asym_sam_48_dd_mean vs run
χ² / ndf 27.18 / 26
p0 −414.6 ± 298.9
4000
2000
0
−2000
−4000
−6000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 90.65
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 27
Mean 0.006415
Std Dev 1.003
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam_48_dd_rms vs run
χ² / ndf 167.8 / 26
p0 152 ± 0.2114
160
158
156
154
152
150
148
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


asym_sam_48_dd_dit_correction_mean vs run
χ² / ndf 21.34 / 26
p0 2797 ± 3589
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 20.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 27
Mean −0.02661
Std Dev 0.8887
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_48_dd_dit_correction_rms vs run
χ² / ndf 1813 / 26
p0 1822 ± 2.538
2100
2050
2000
1950
1900
1850
1800
1750
1700
1650
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
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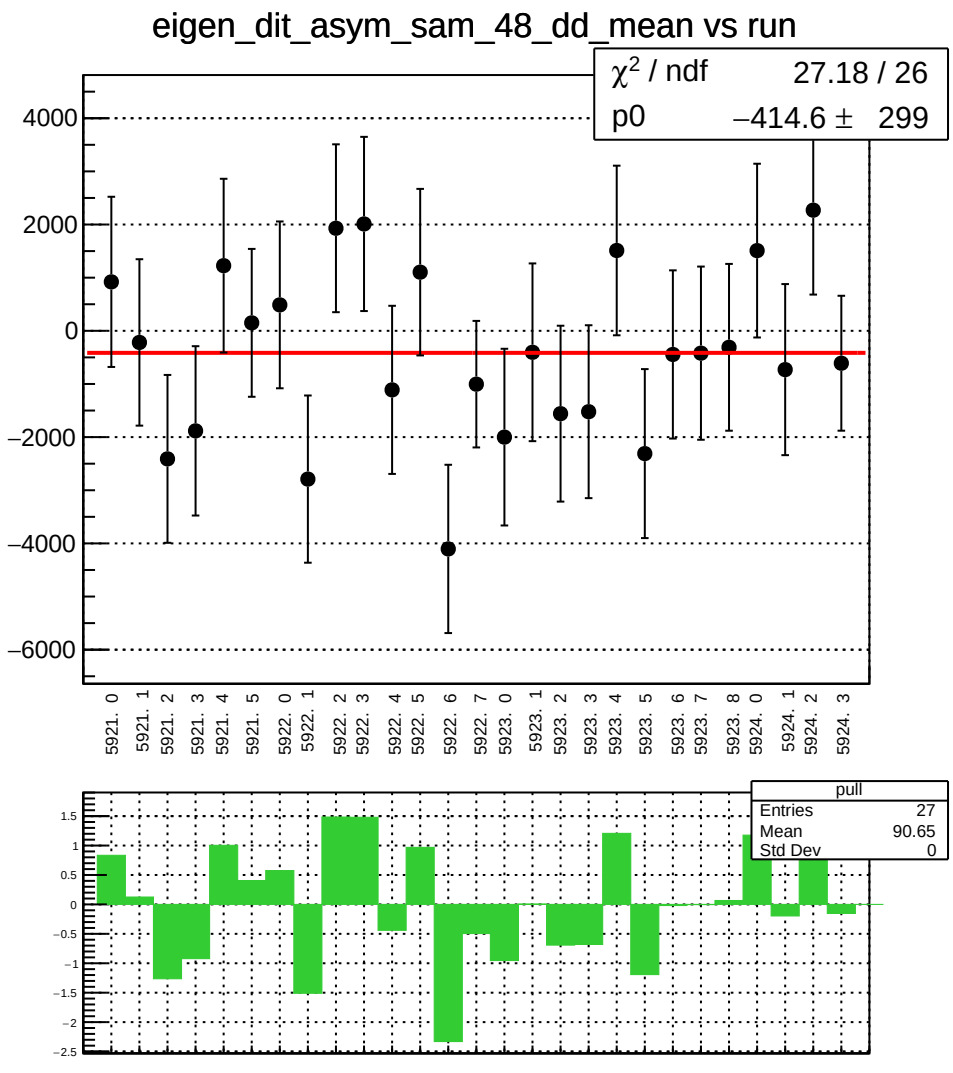
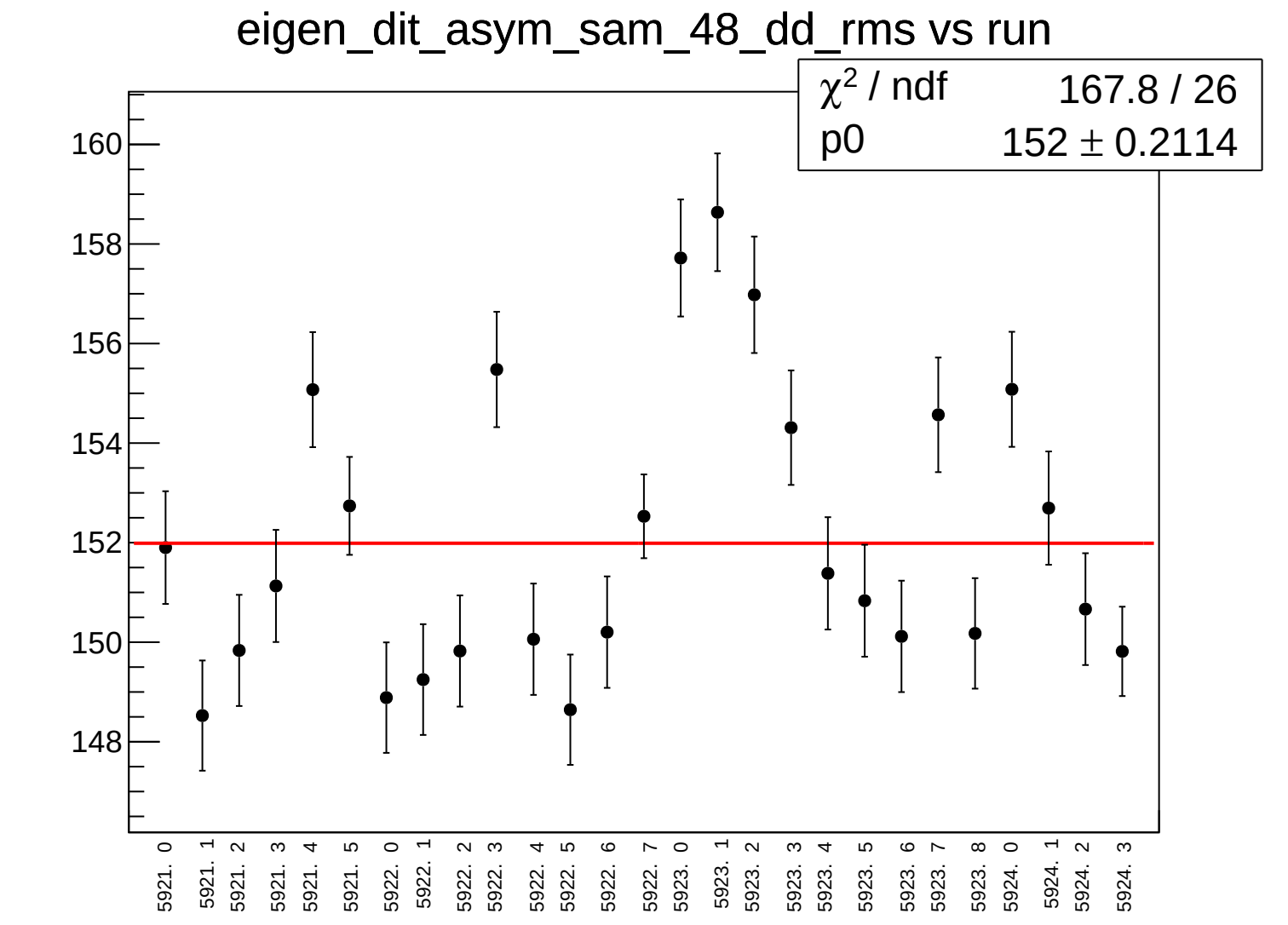
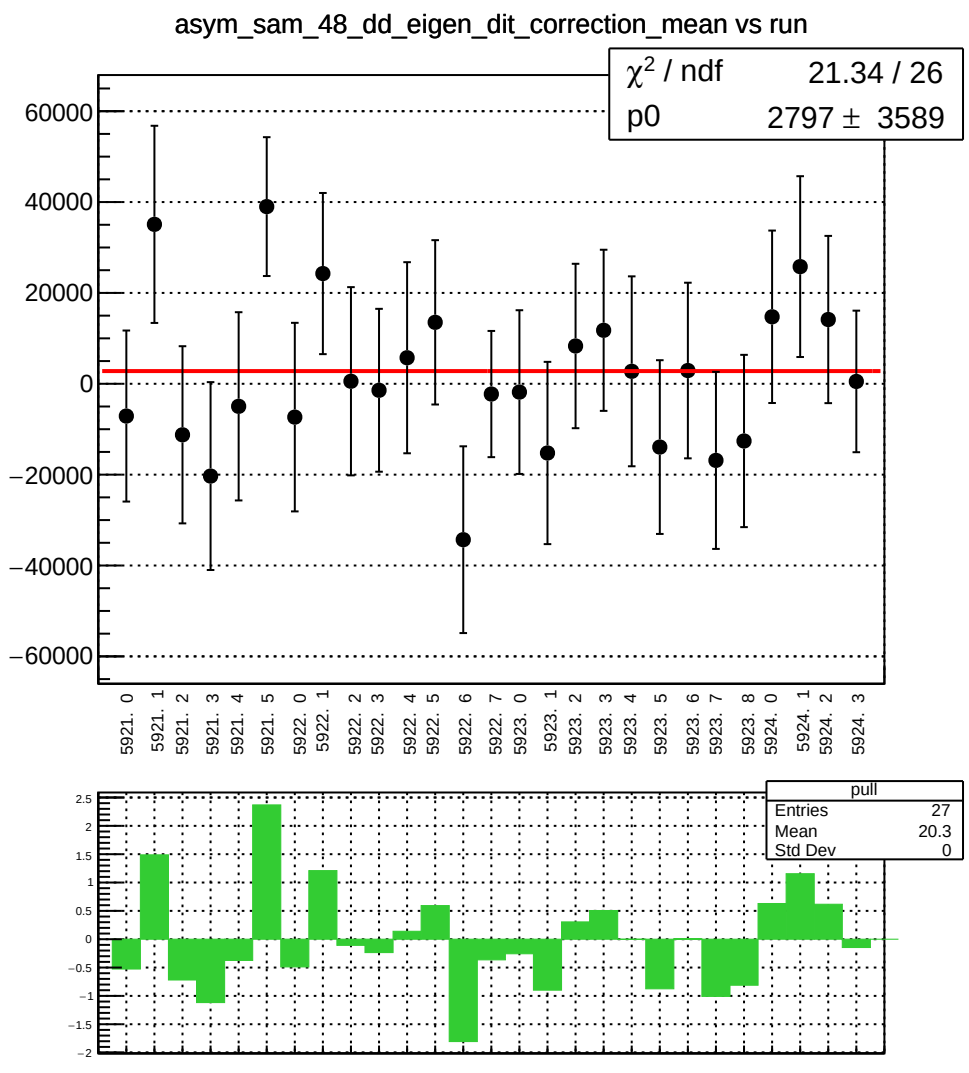
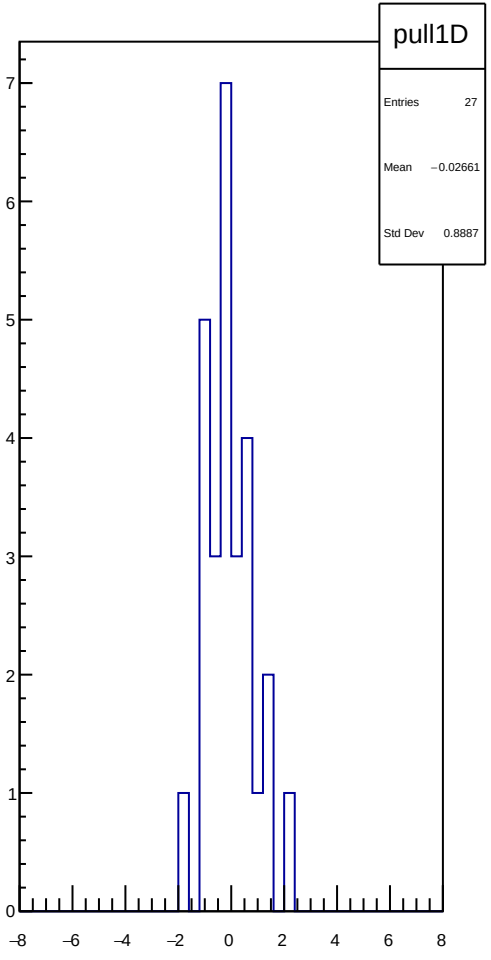
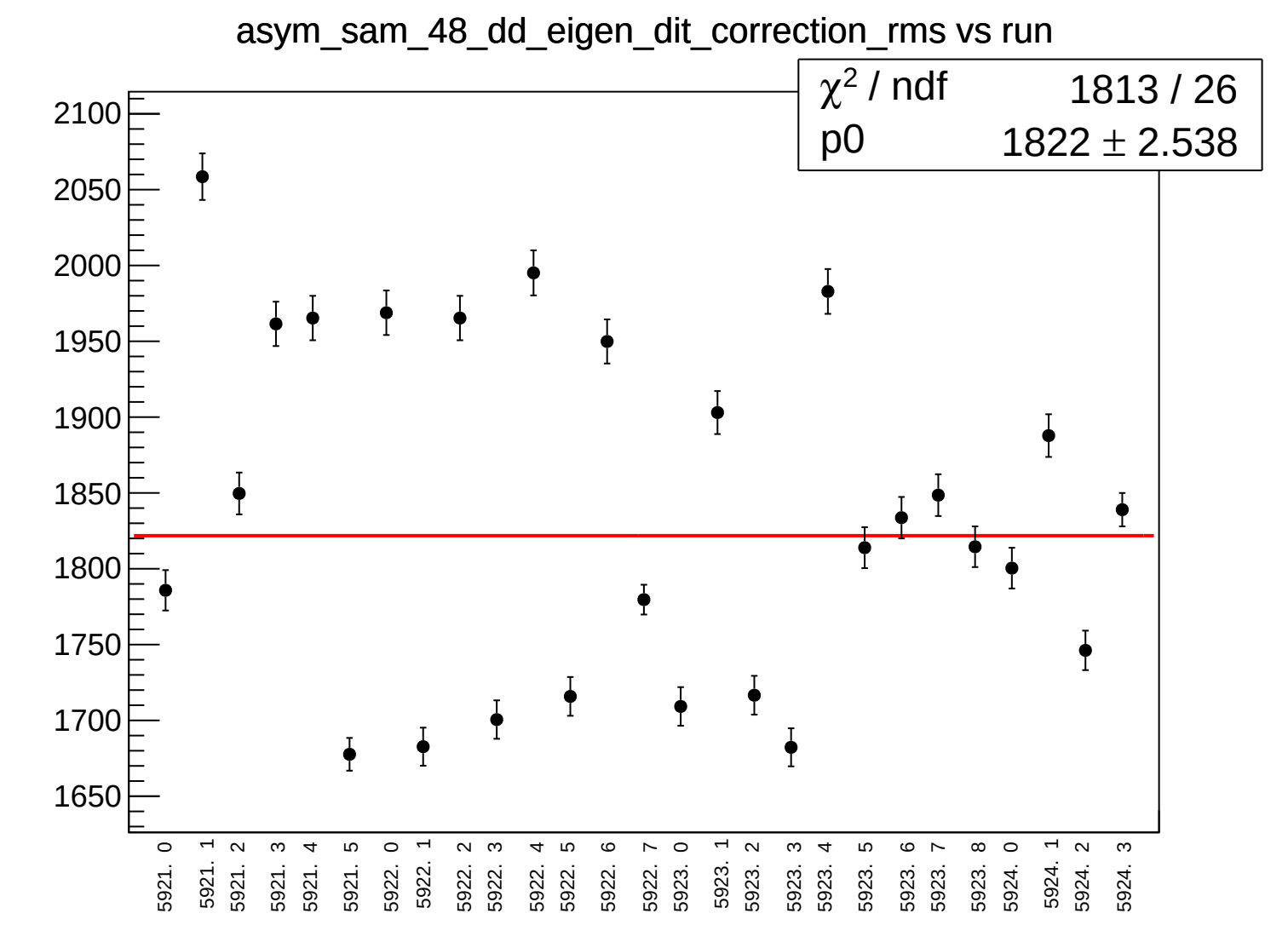
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

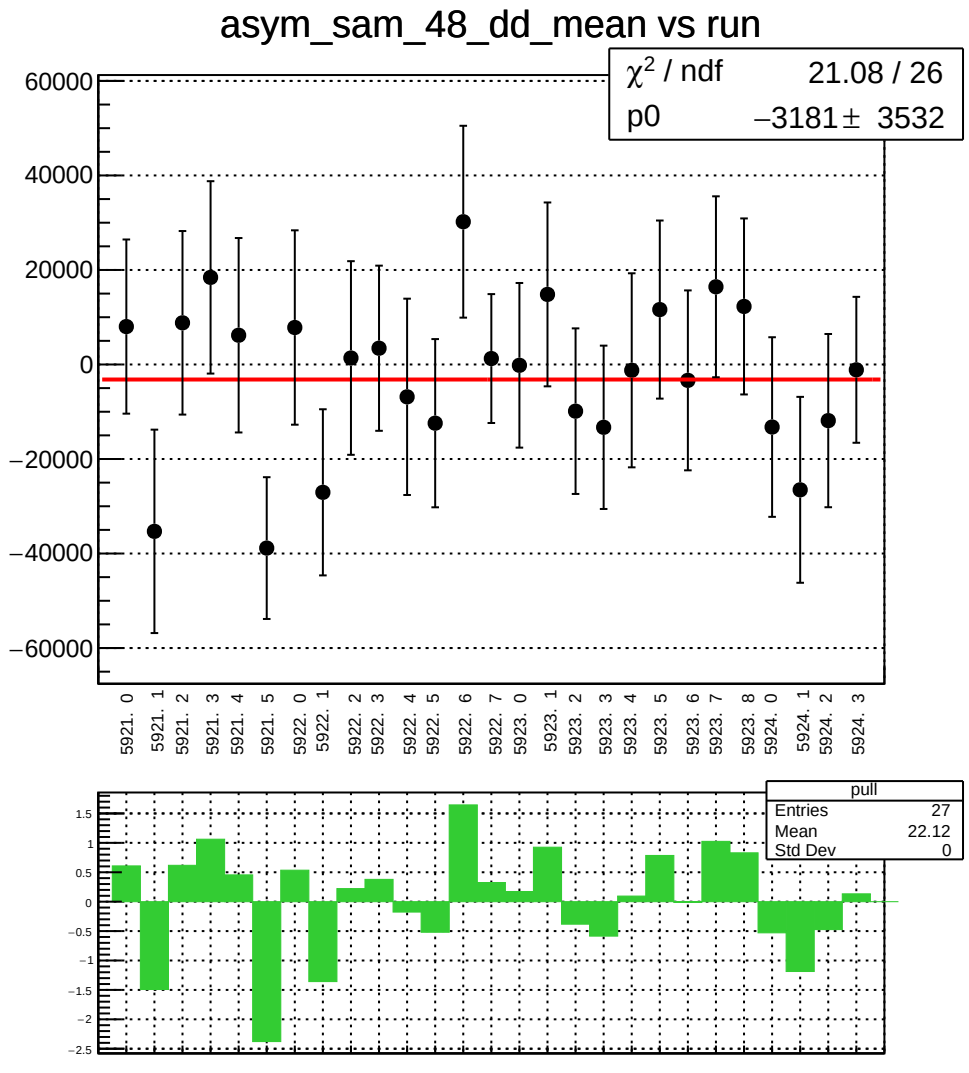

eigen_dit_asym_sam_48_dd_mean vs run
χ² / ndf 27.18 / 26
p0 −414.6 ± 299
4000
2000
0
−2000
−4000
−6000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 90.65
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean 0.006414
Std Dev 1.003
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

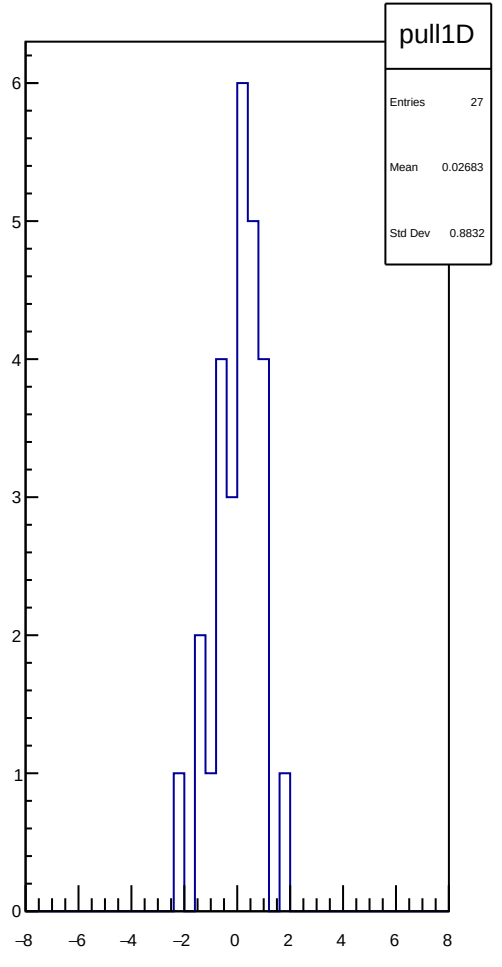

eigen_dit_asym_sam_48_dd_rms vs run
χ² / ndf 167.8 / 26
p0 152 ± 0.2114
160
158
156
154
152
150
148
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

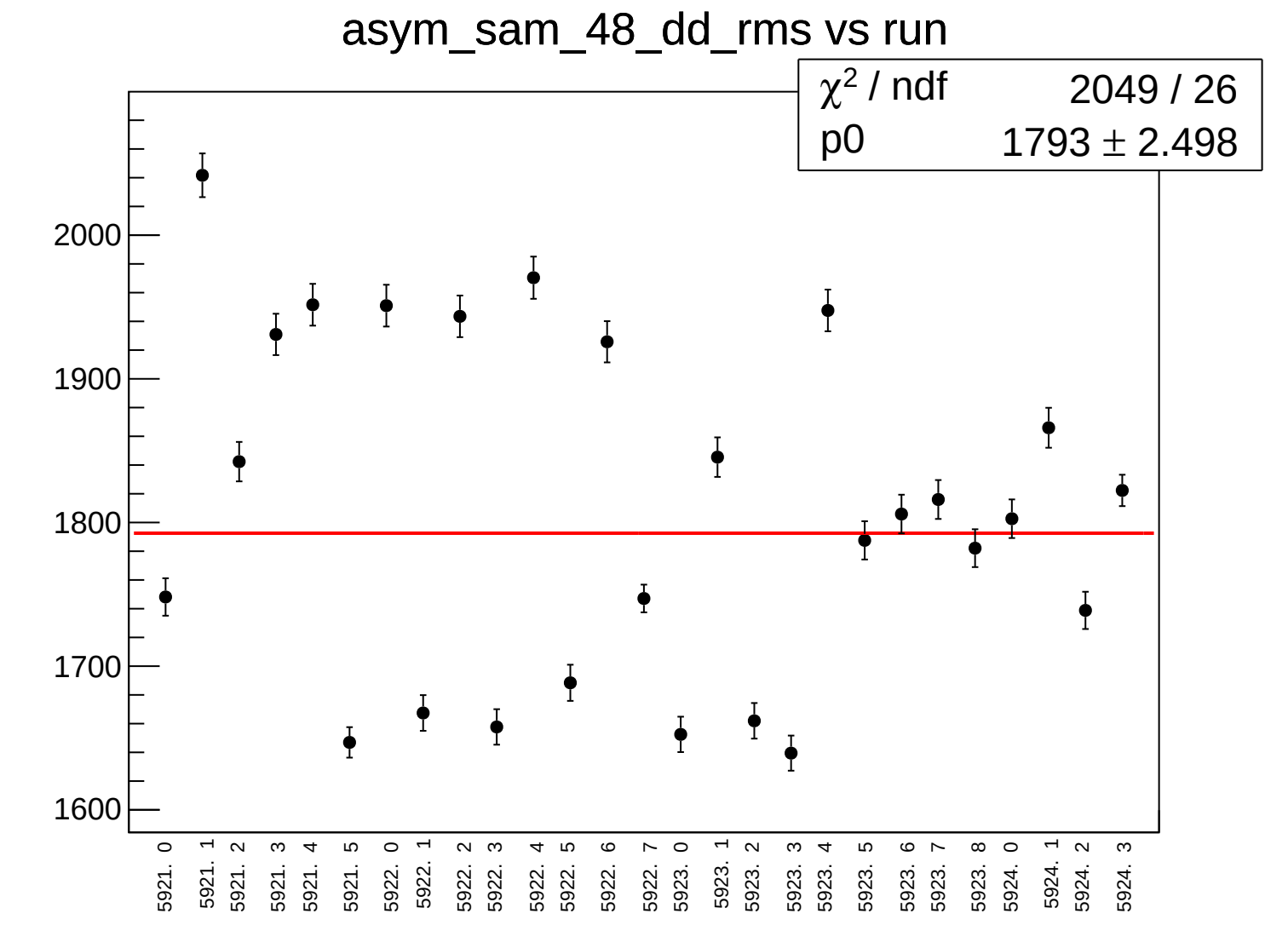

asym_sam_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 21.34 / 26
p0 2797 ± 3589
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 20.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

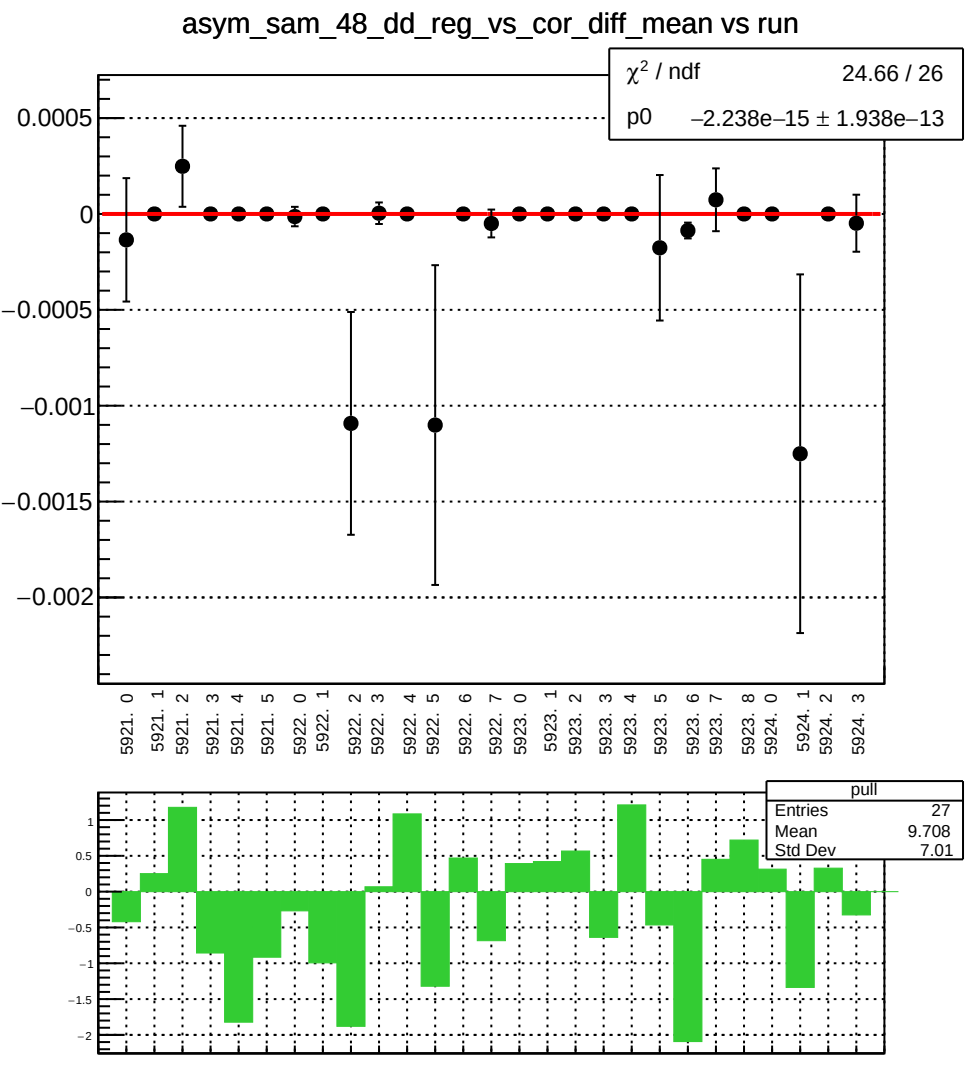

pull1D
Entries 27
Mean −0.02661
Std Dev 0.8887
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

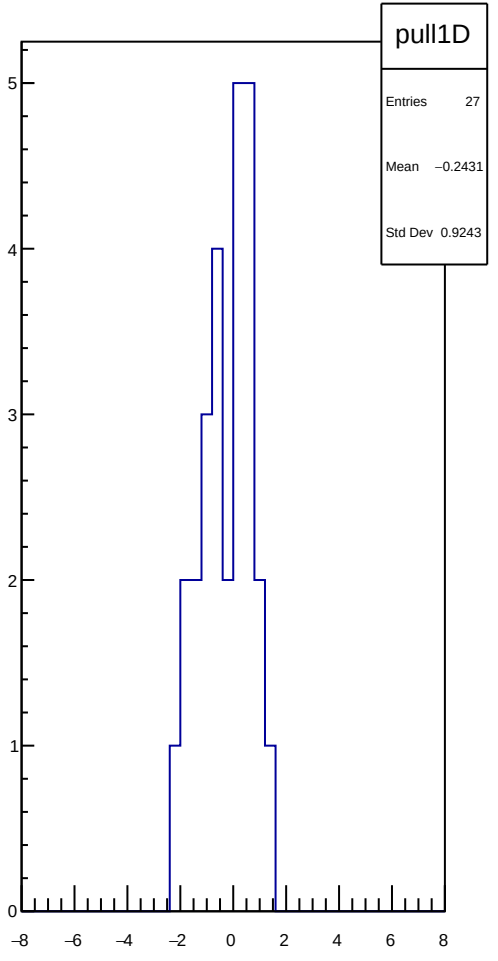

asym_sam_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 1813 / 26
p0 1822 ± 2.538
2100
2050
2000
1950
1900
1850
1800
1750
1700
1650
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

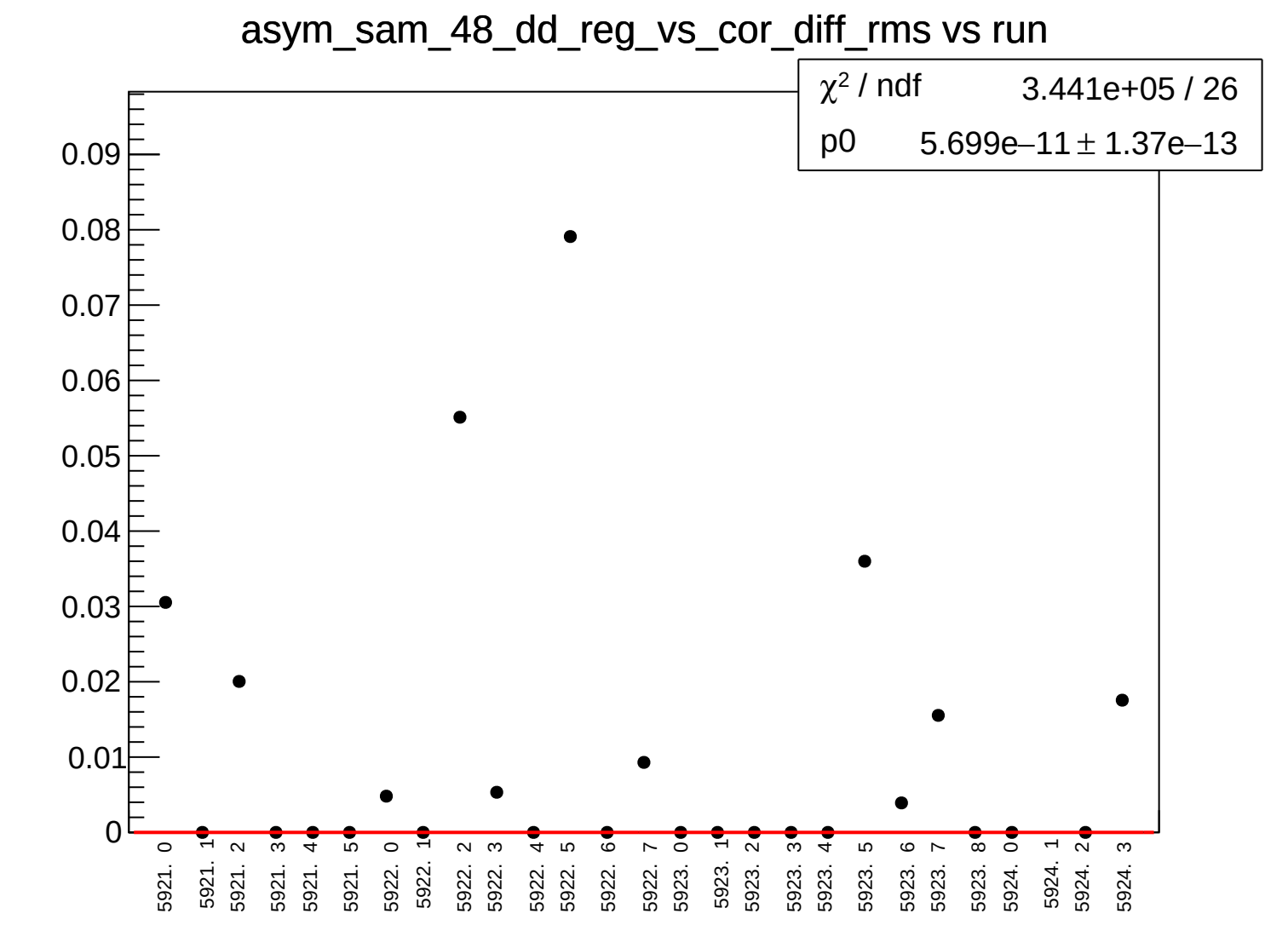

asym_sam_48_dd_mean vs run
χ² / ndf 21.08 / 26
p0 −3181 ± 3532
60000
40000
20000
0
−20000
−40000
−60000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 22.12
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

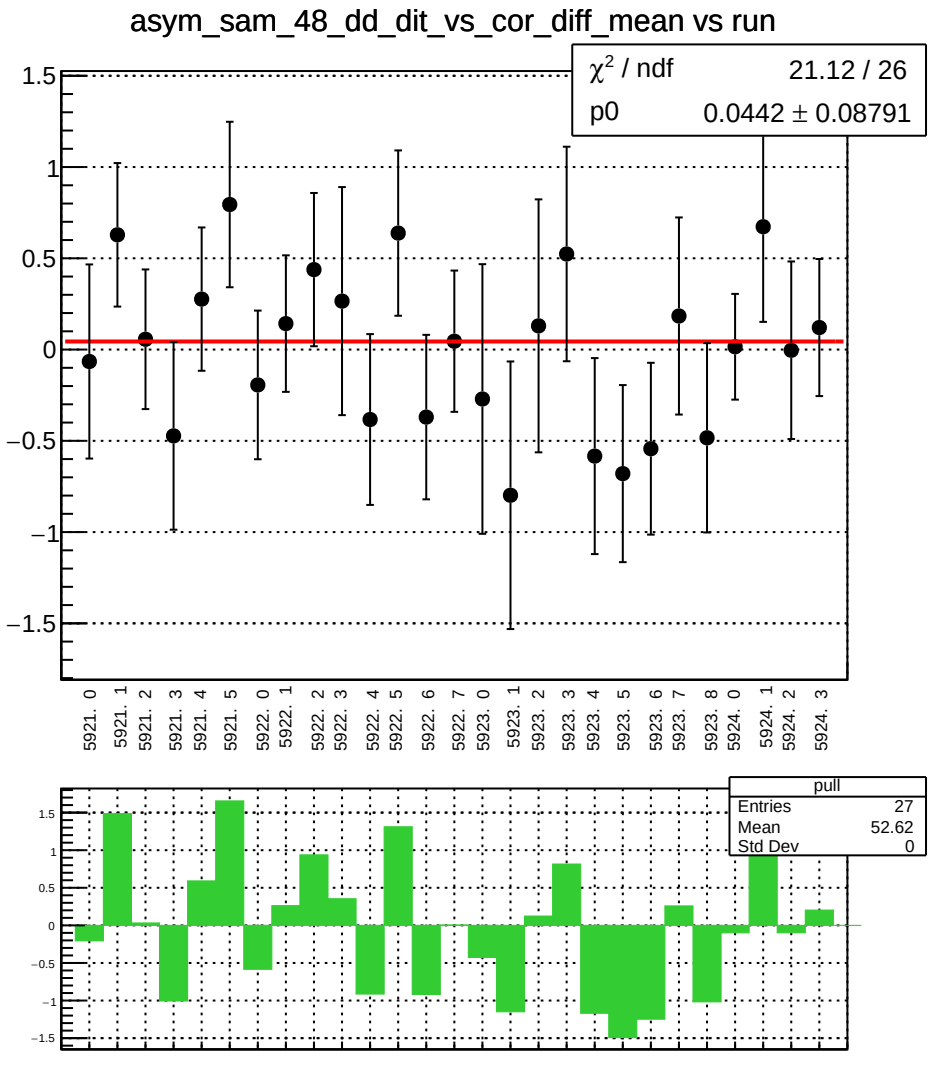

pull1D
Entries 27
Mean 0.02683
Std Dev 0.8832
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

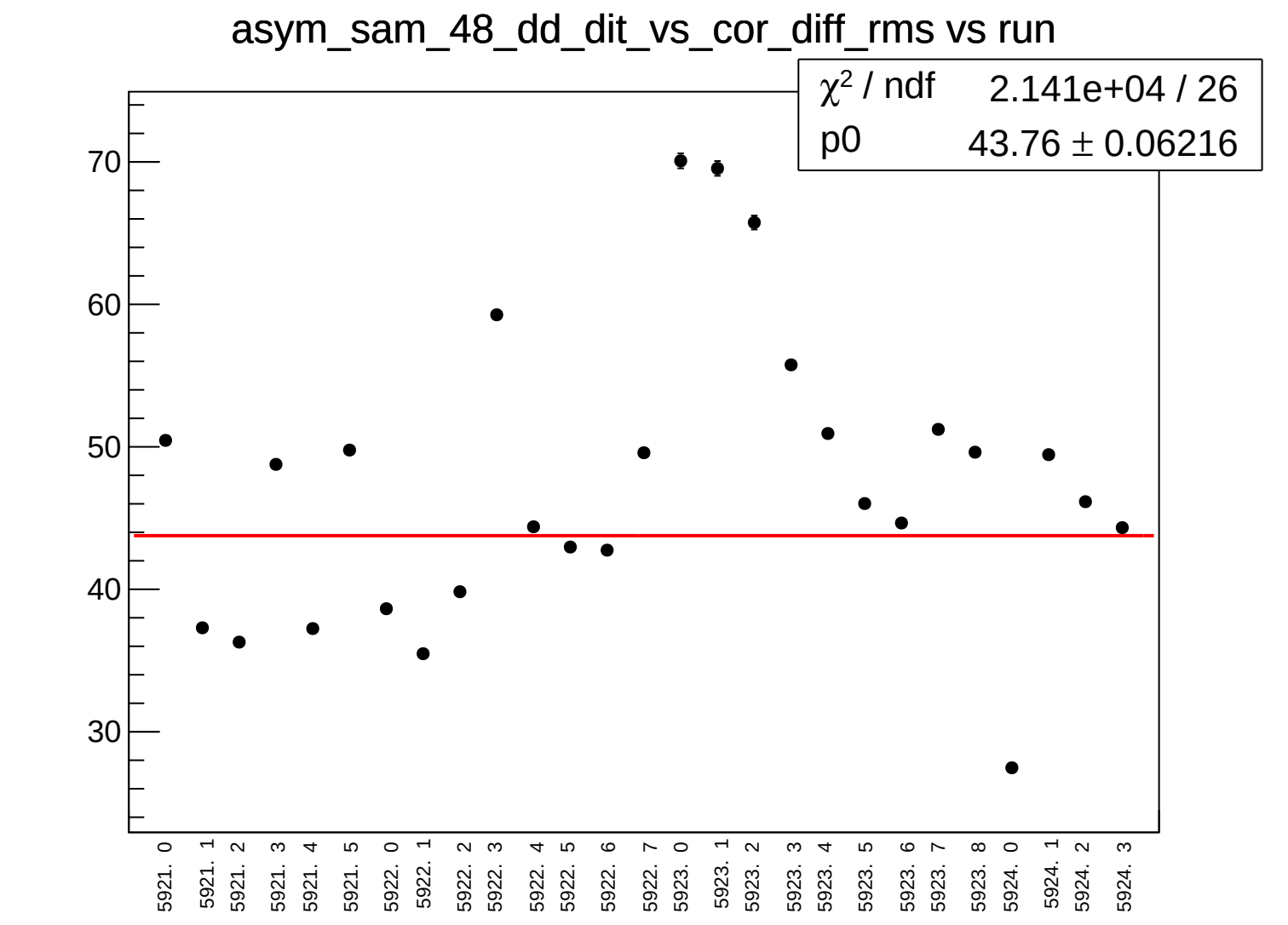

asym_sam_48_dd_rms vs run
χ² / ndf 2049 / 26
p0 1793 ± 2.498
2000
1900
1800
1700
1600
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


asym_sam_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 24.66 / 26
p0 −2.238e−15 ± 1.938e−13
0.0005
0
−0.0005
−0.001
−0.0015
−0.002
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 9.708
Std Dev 7.01
1
0.5
0
−0.5
−1
−1.5
−2

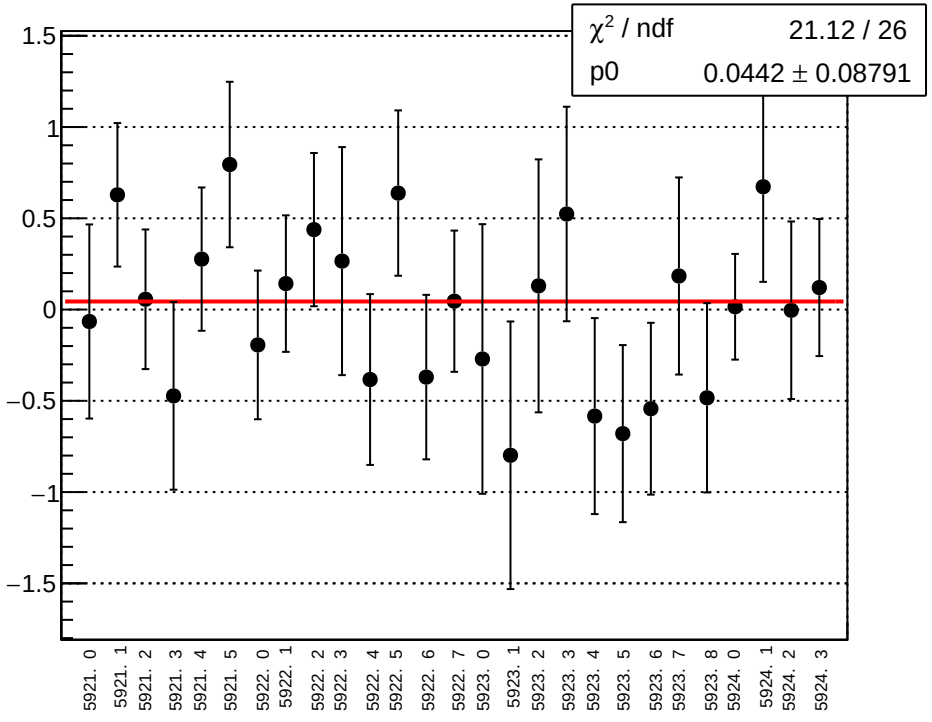

pull1D
Entries 27
Mean −0.2431
Std Dev 0.9243
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

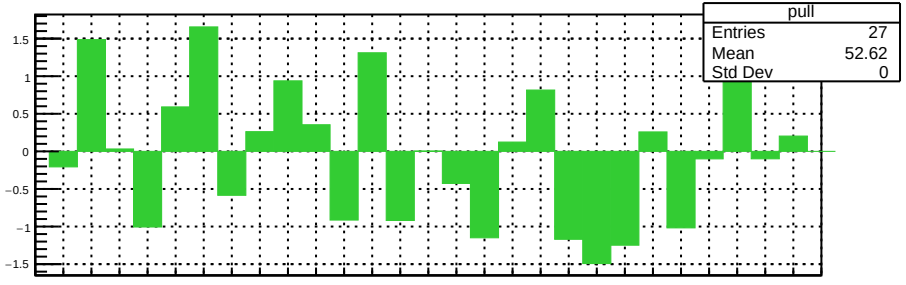

asym_sam_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.441e+05 / 26
p0 5.699e−11 ± 1.37e−13
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

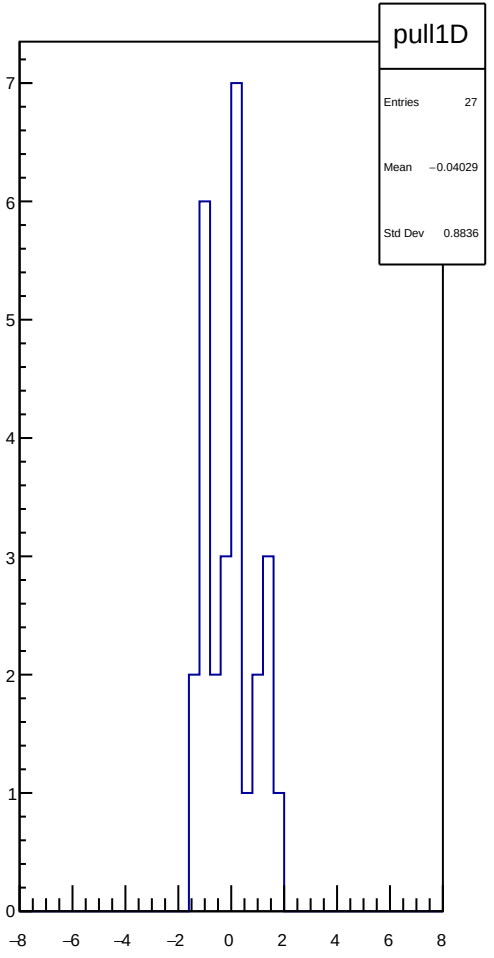

asym_sam_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 21.12 / 26
p0 0.0442 ± 0.08791
1.5
1
0.5
0
−0.5
−1
−1.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 52.62
Std Dev 0
pull1D
Entries 27
Mean −0.04029
Std Dev 0.8836
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

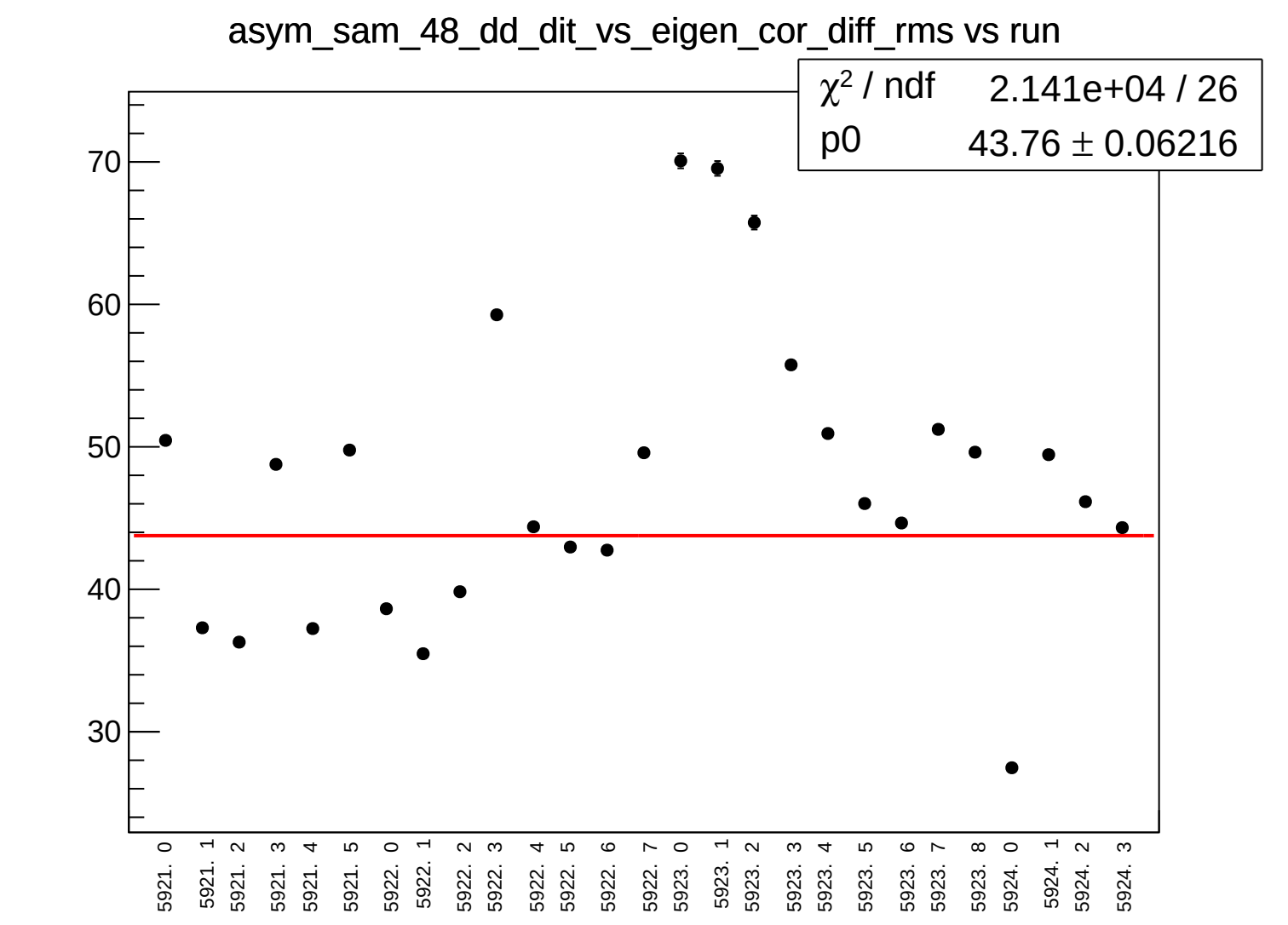

asym_sam_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.141e+04 / 26
p0 43.76 ± 0.06216
70
60
50
40
30
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

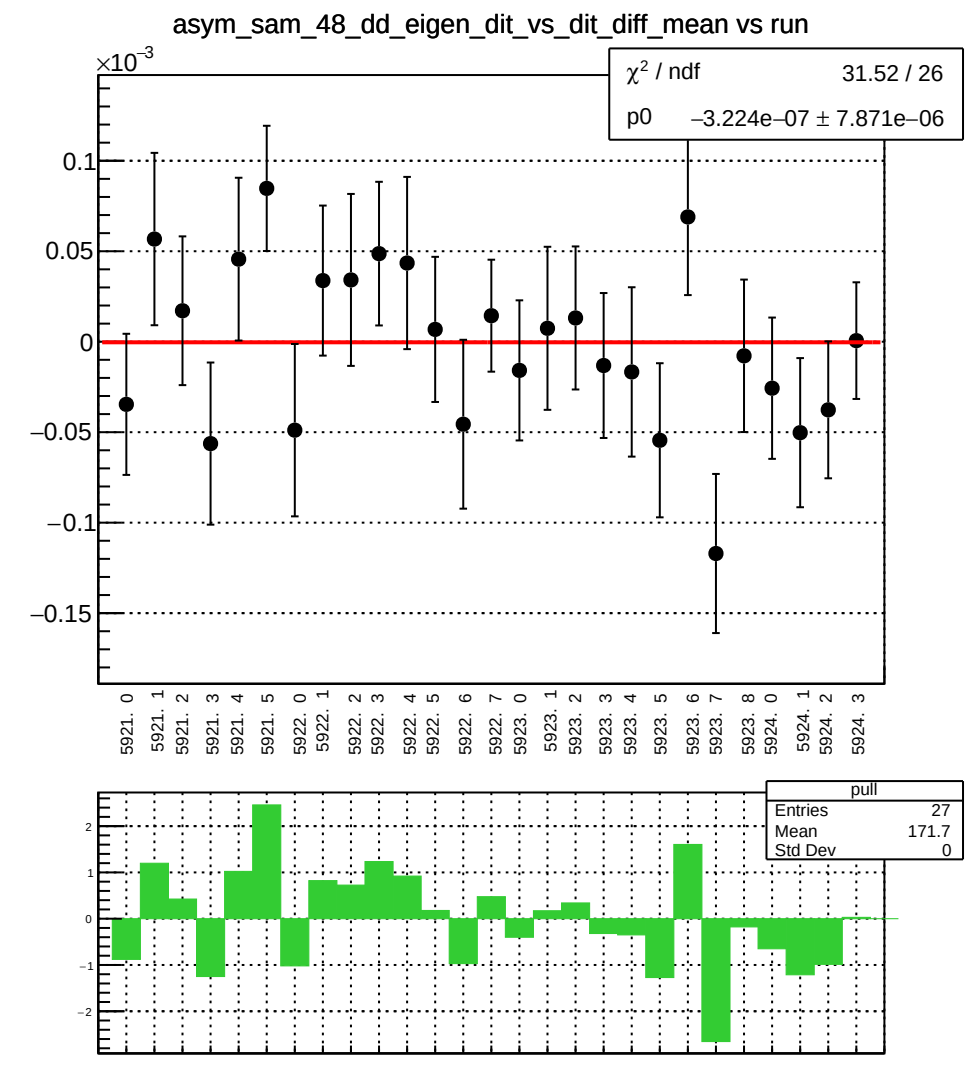
asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs run

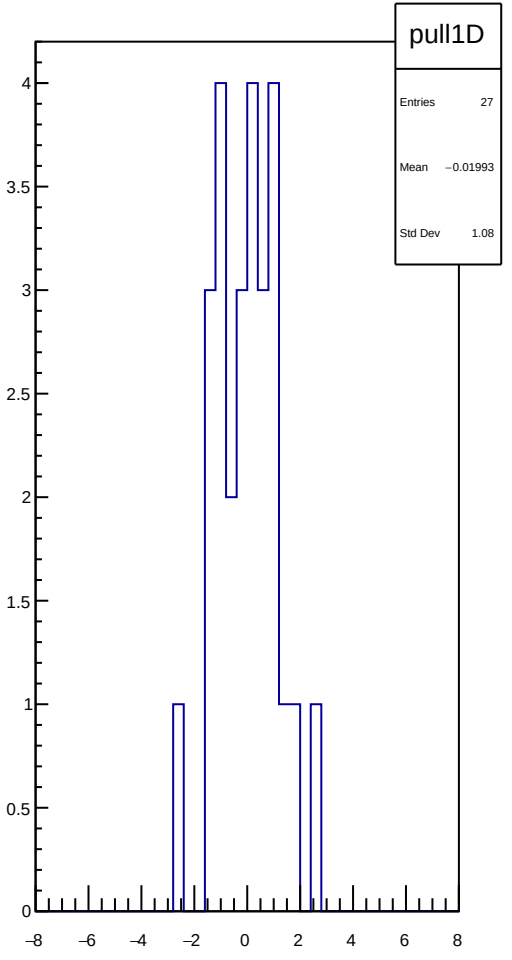


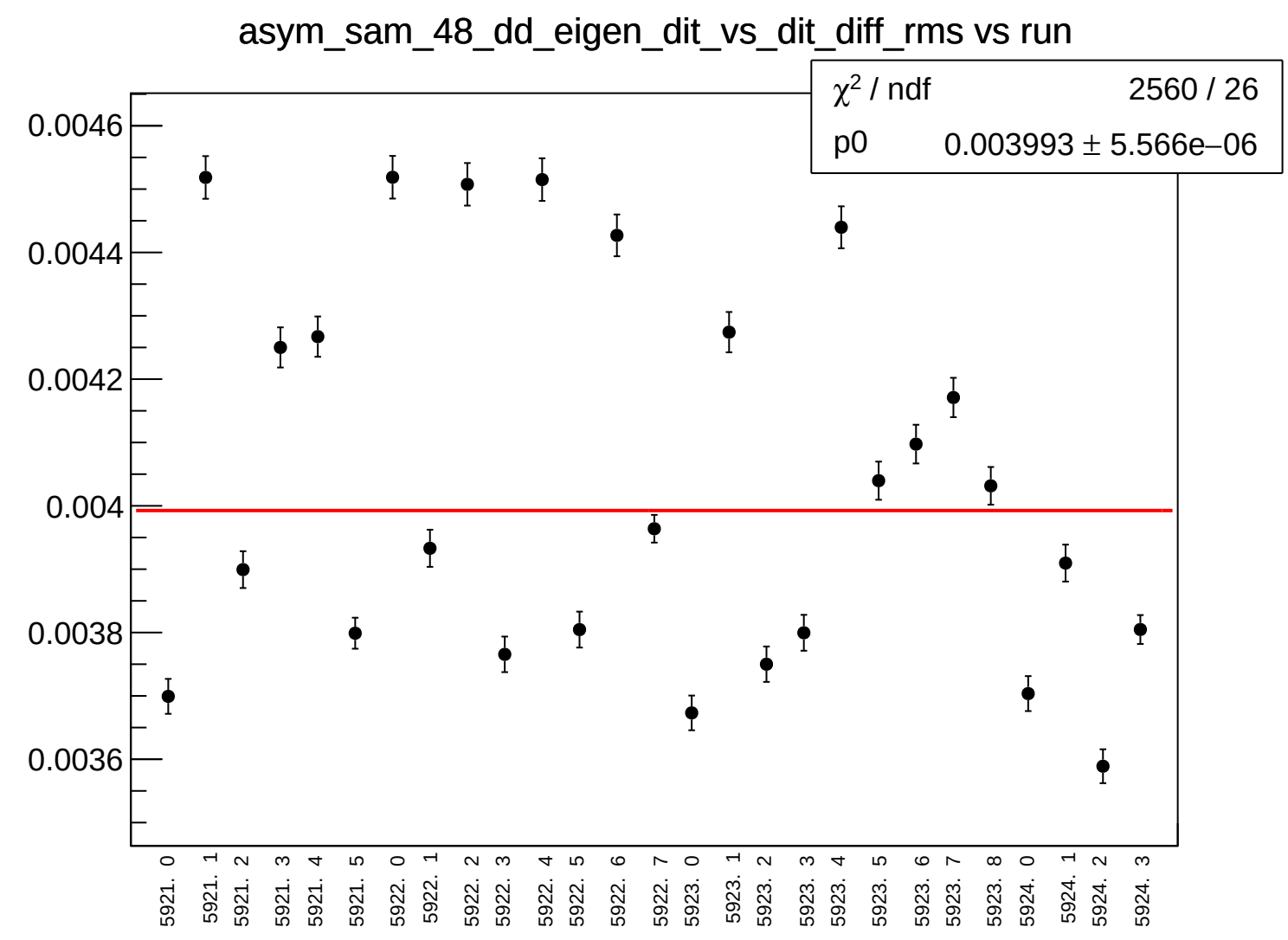


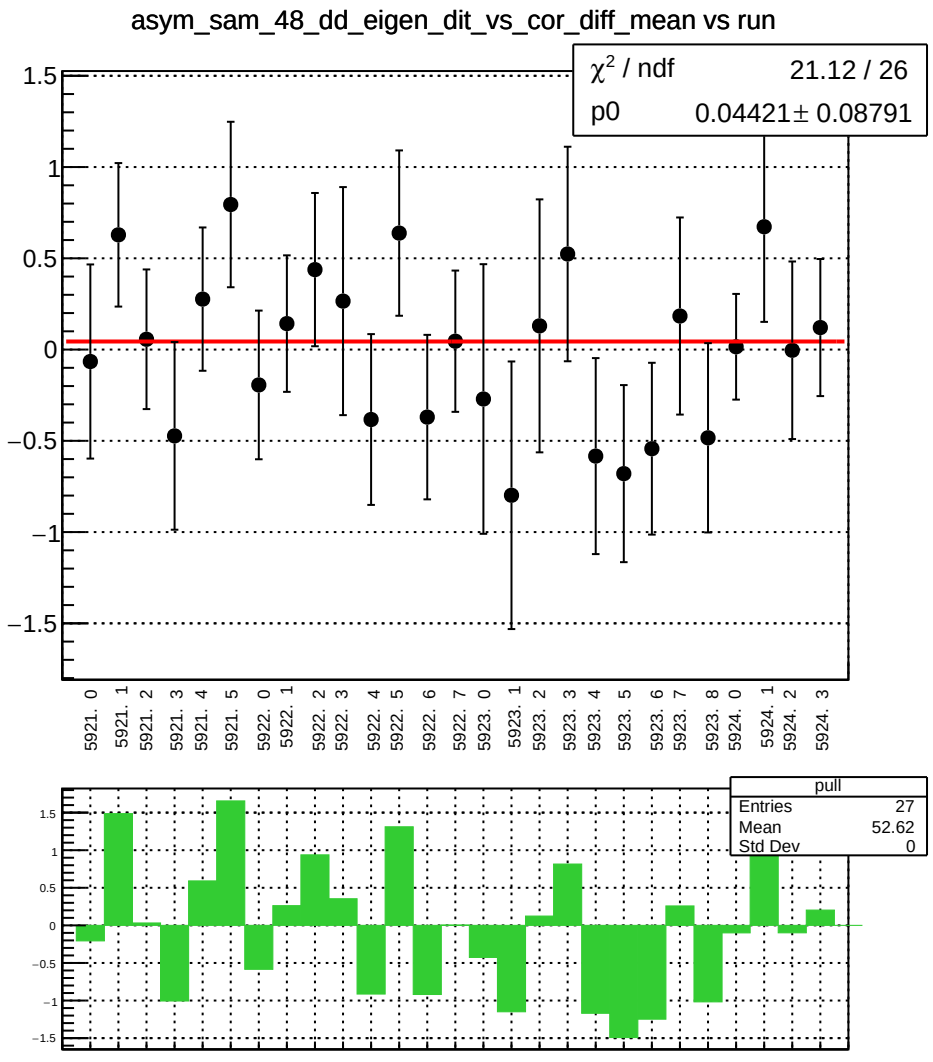


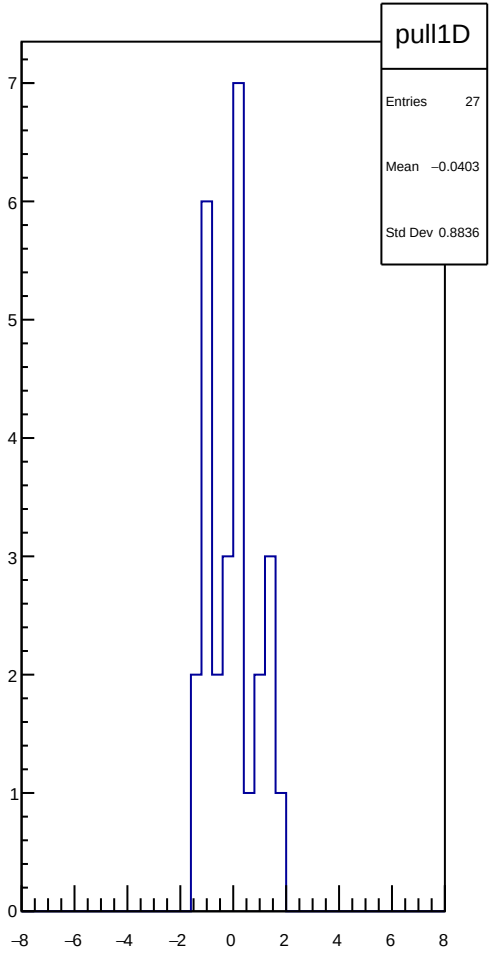

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.141e+04 / 26
p0 43.76 ± 0.06216
70
60
50
40
30
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

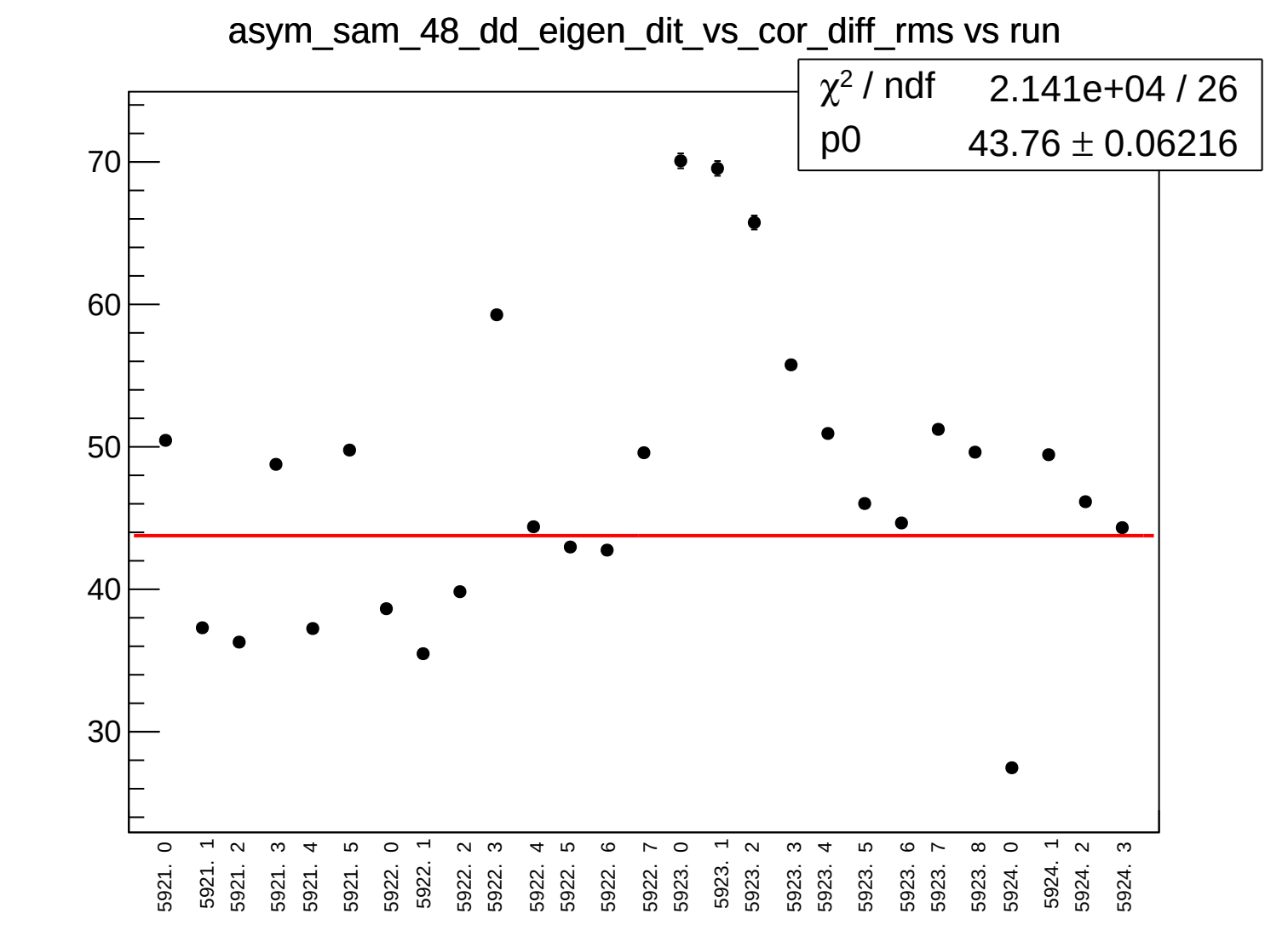

asym_sam_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 31.52 / 26
p0 −3.224e−07 ± 7.871e−06
0.1
0.05
0
−0.05
−0.1
−0.15
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 171.7
Std Dev 0
2
1
0
−1
−2

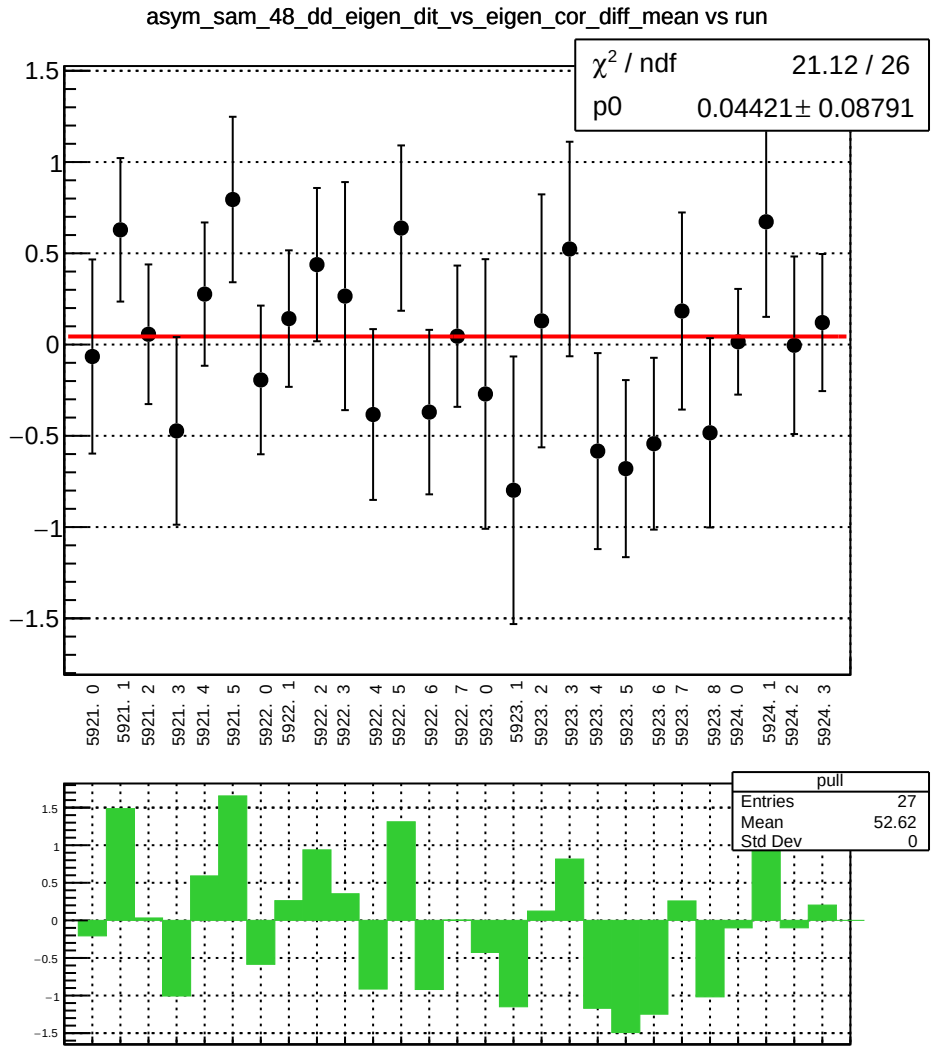

pull1D
Entries 27
Mean −0.01993
Std Dev 1.08
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

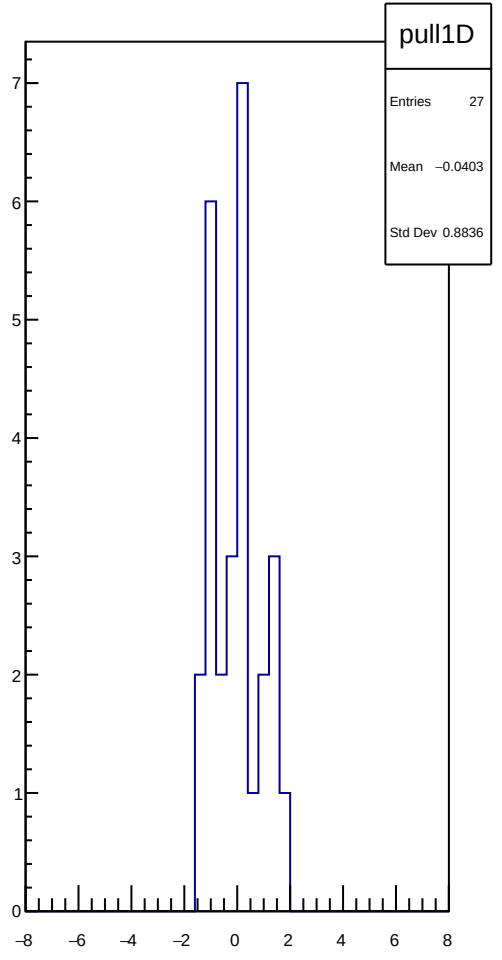

asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2560 / 26
p0 0.003993 ± 5.566e−06
0.0046
0.0044
0.0042
0.004
0.0038
0.0036
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

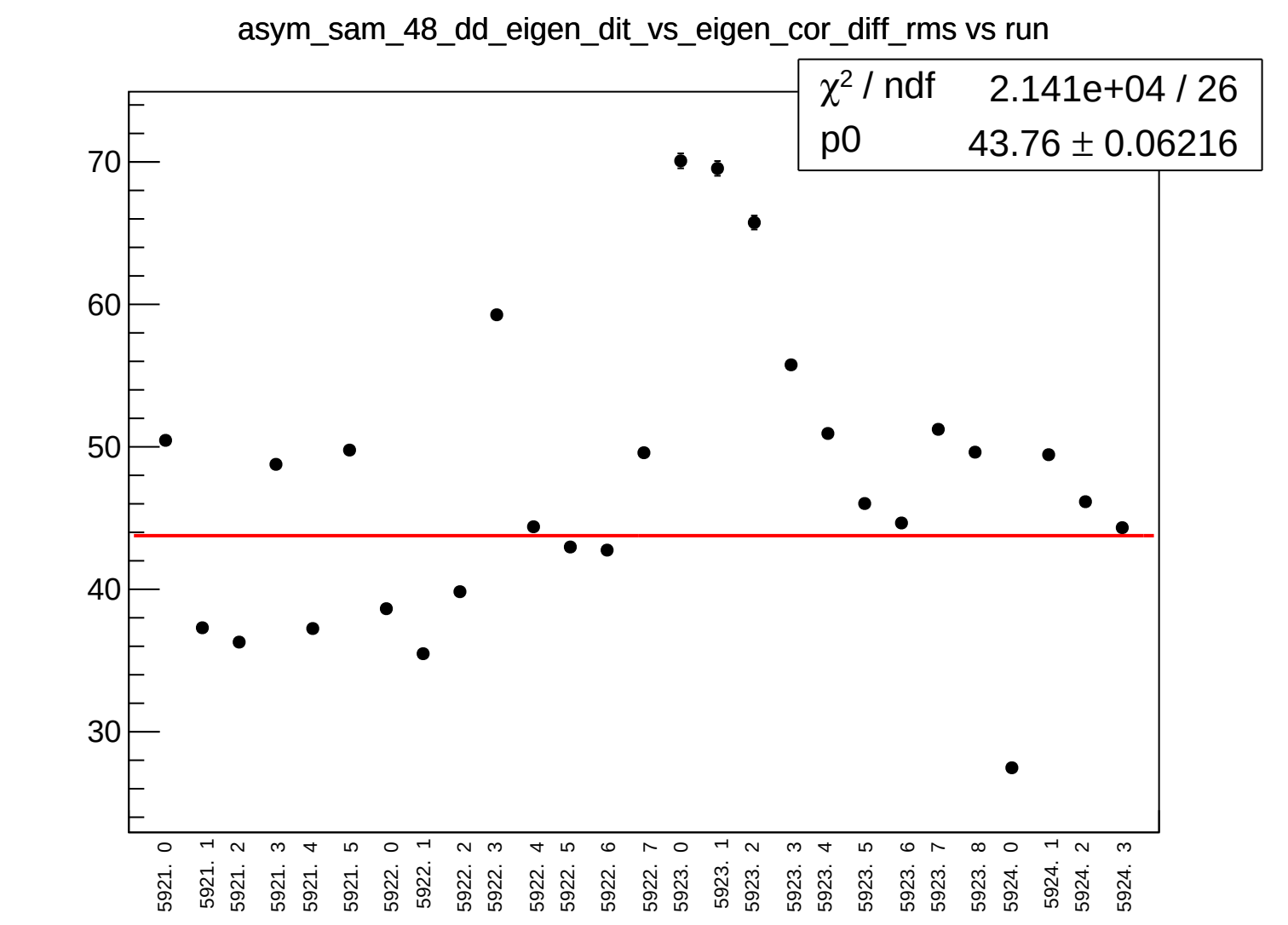

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 21.12 / 26
p0 0.04421± 0.08791
1.5
1
0.5
0
−0.5
−1
−1.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 52.62
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

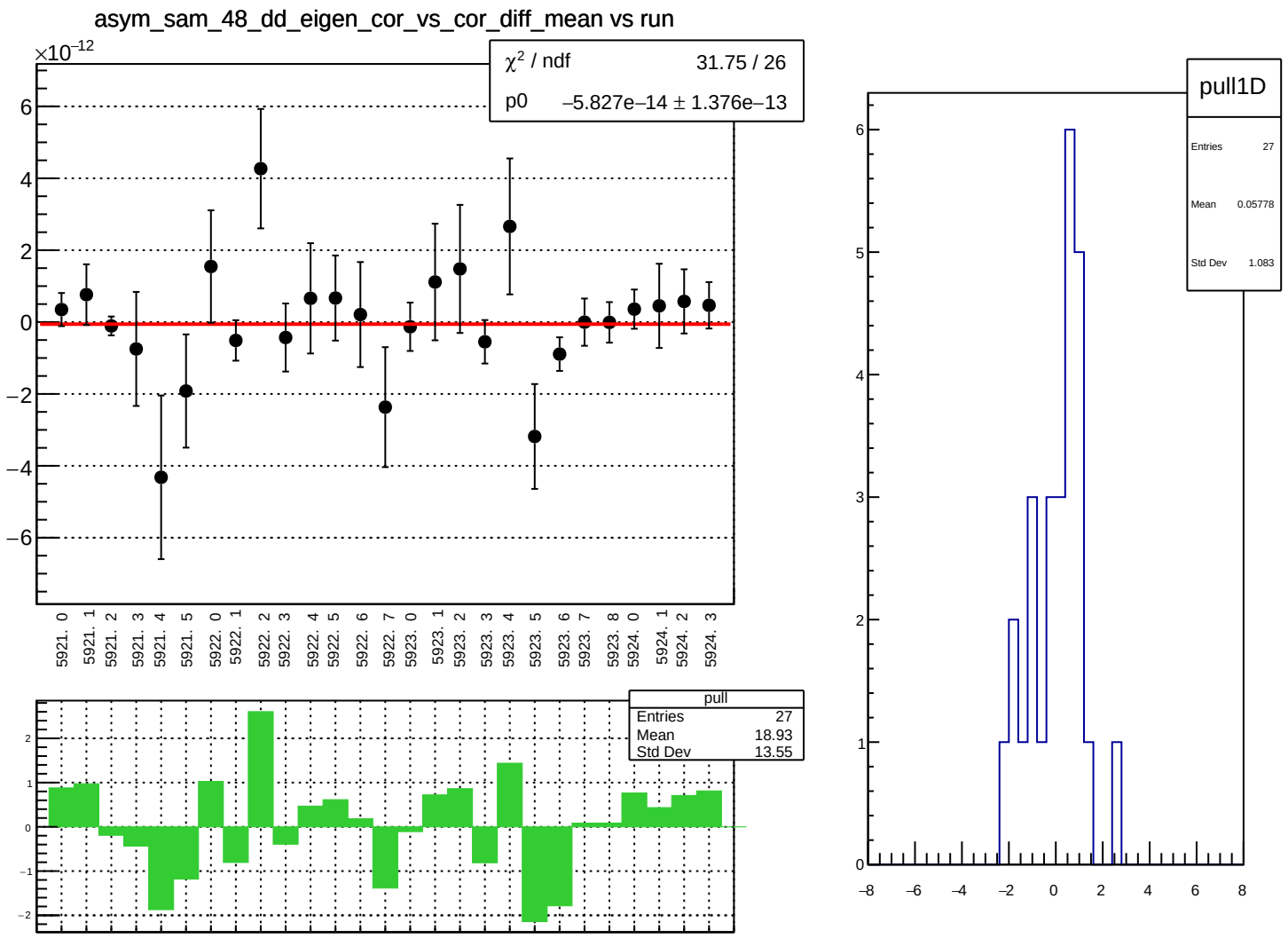

pull1D
Entries 27
Mean −0.0403
Std Dev 0.8836
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

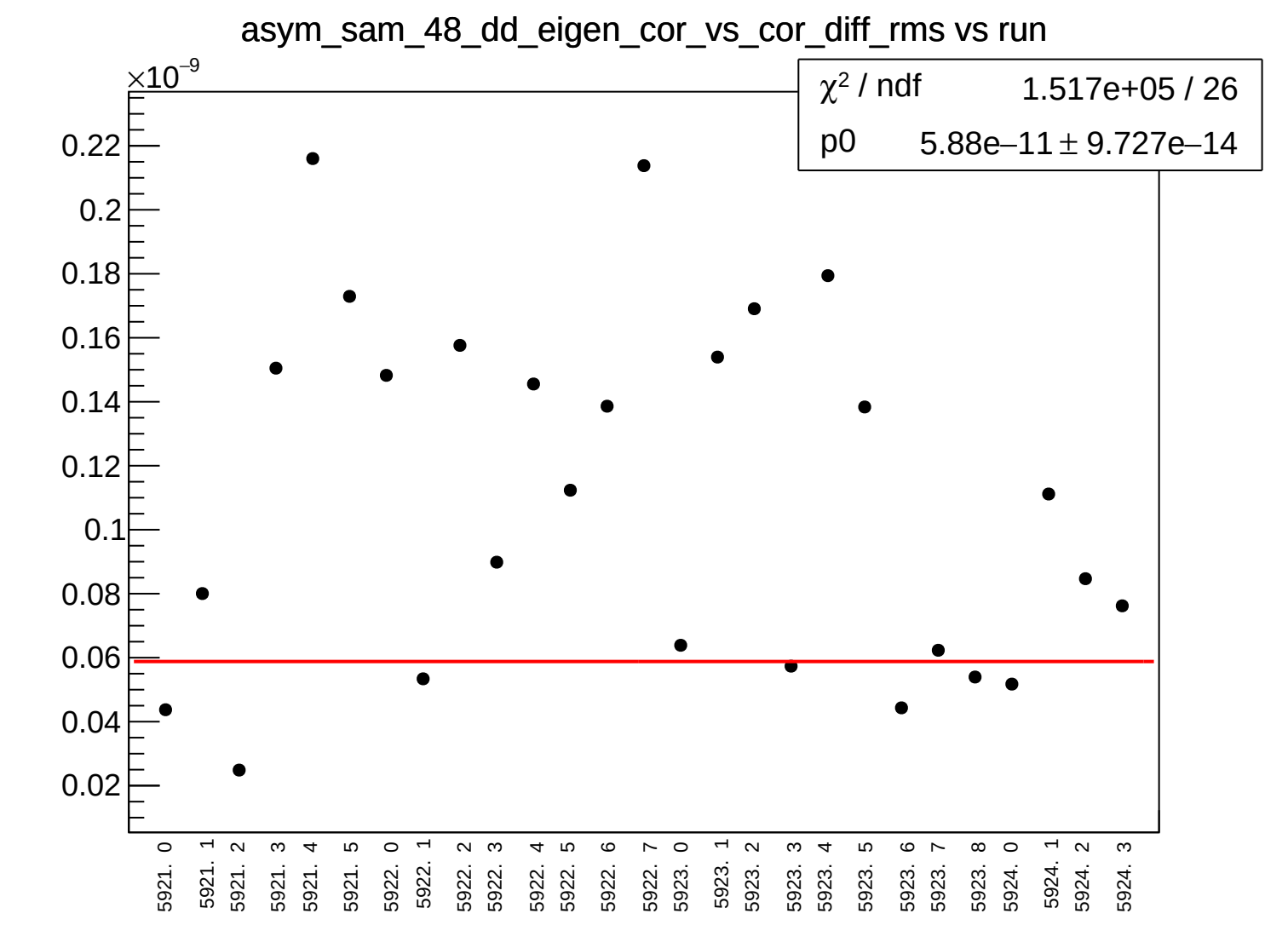

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.141e+04 / 26
p0 43.76 ± 0.06216
70
60
50
40
30
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

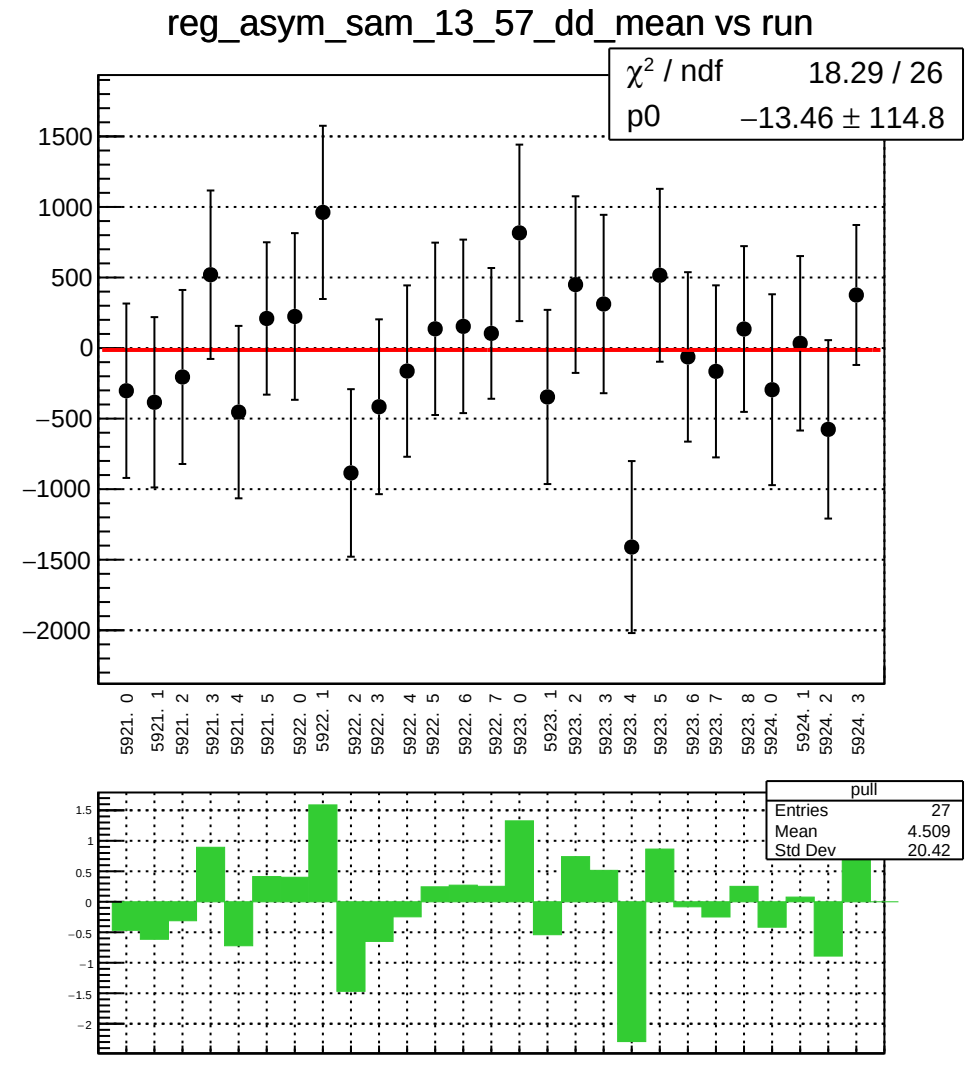

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 21.12 / 26
p0 0.04421± 0.08791
1.5
1
0.5
0
−0.5
−1
−1.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 52.62
Std Dev 0

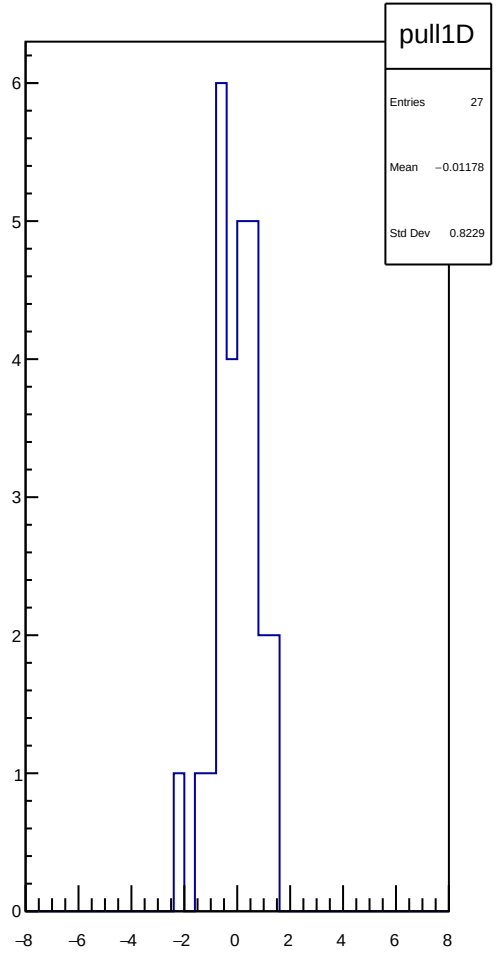

pull1D
Entries 27
Mean −0.0403
Std Dev 0.8836
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

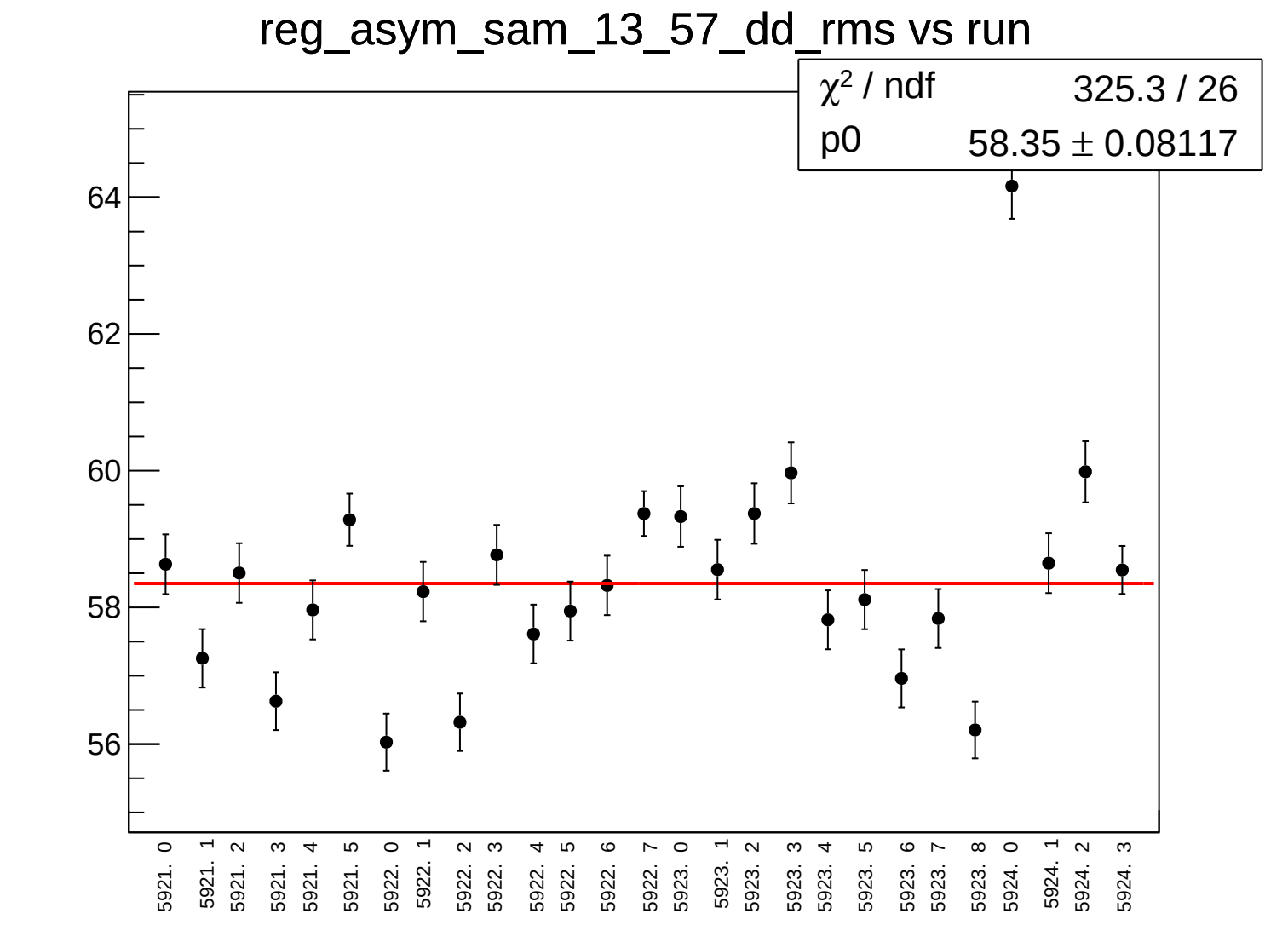

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.141e+04 / 26
p0 43.76 ± 0.06216
70
60
50
40
30
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

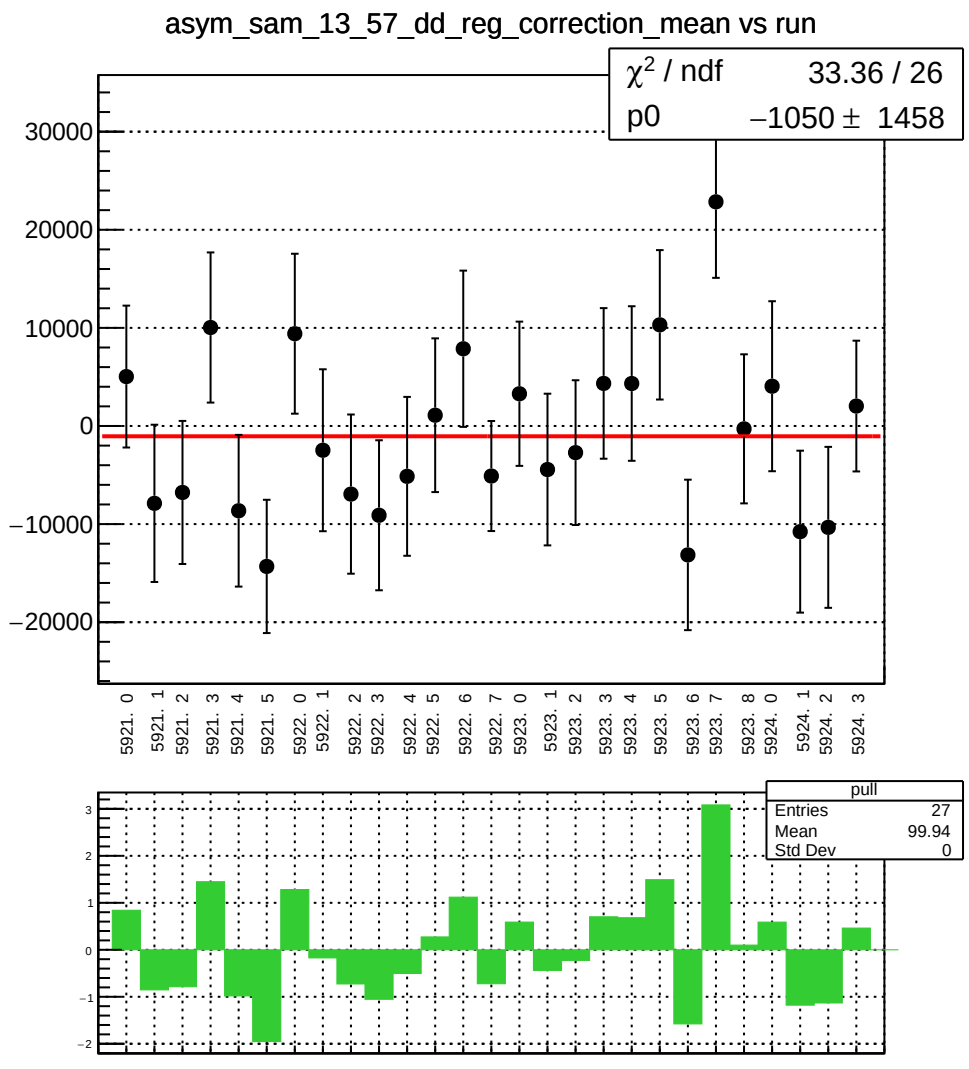

asym_sam_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 31.75 / 26
p0 −5.827e−14 ± 1.376e−13
6
4
2
0
−2
−4
−6
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 18.93
Std Dev 13.55
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.05778
Std Dev 1.083
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

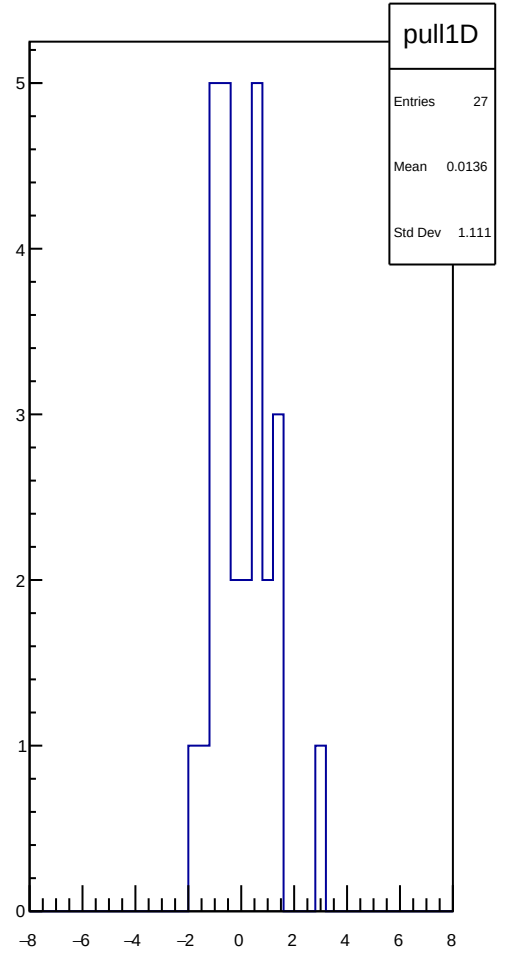

asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.517e+05 / 26
p0 5.88e−11 ± 9.727e−14
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

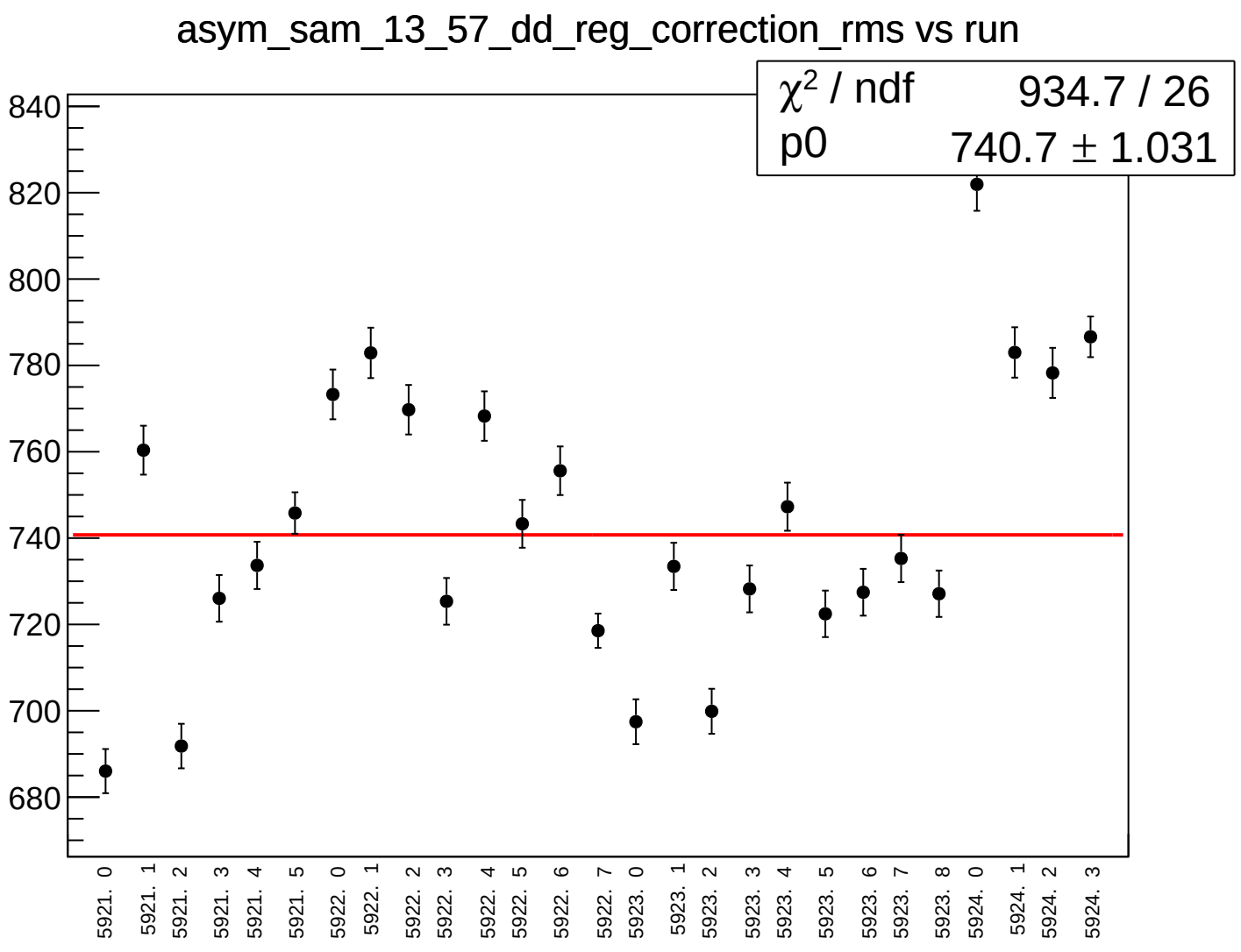

reg_asym_sam_13_57_dd_mean vs run
χ² / ndf 18.29 / 26
p0 −13.46 ± 114.8
1500
1000
500
0
−500
−1000
−1500
−2000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 4.509
Std Dev 20.42
1.5
1
0.5
0
−0.5
−1
−1.5
−2

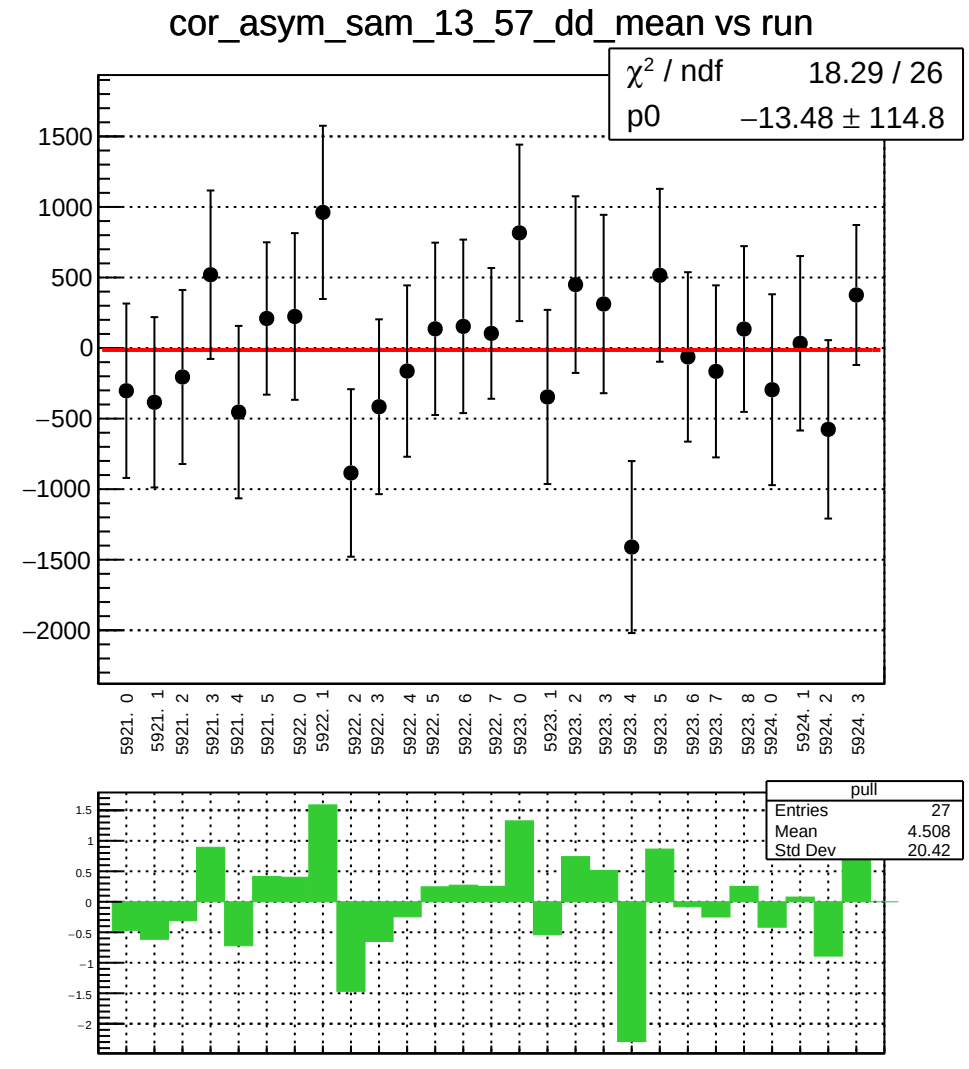

pull1D
Entries 27
Mean −0.01178
Std Dev 0.8229
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

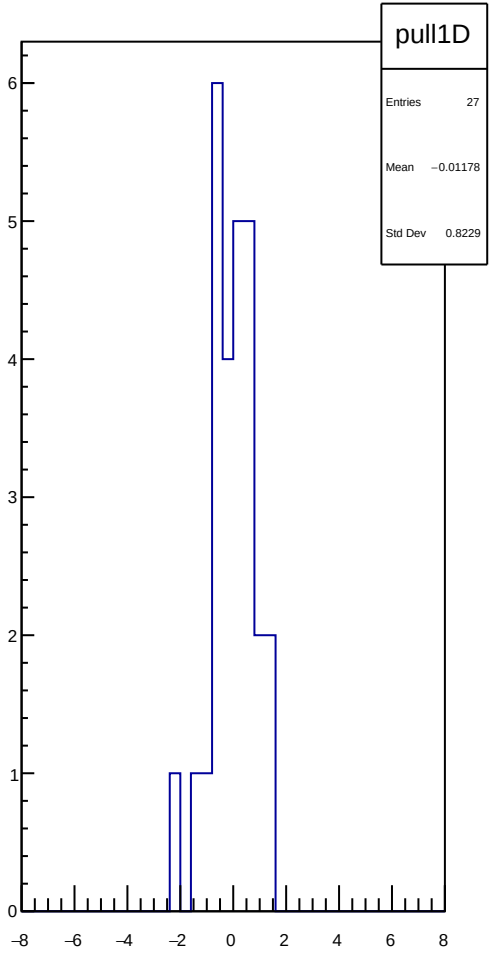

reg_asym_sam_13_57_dd_rms vs run
χ² / ndf 325.3 / 26
p0 58.35 ± 0.08117
64
62
60
58
56
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

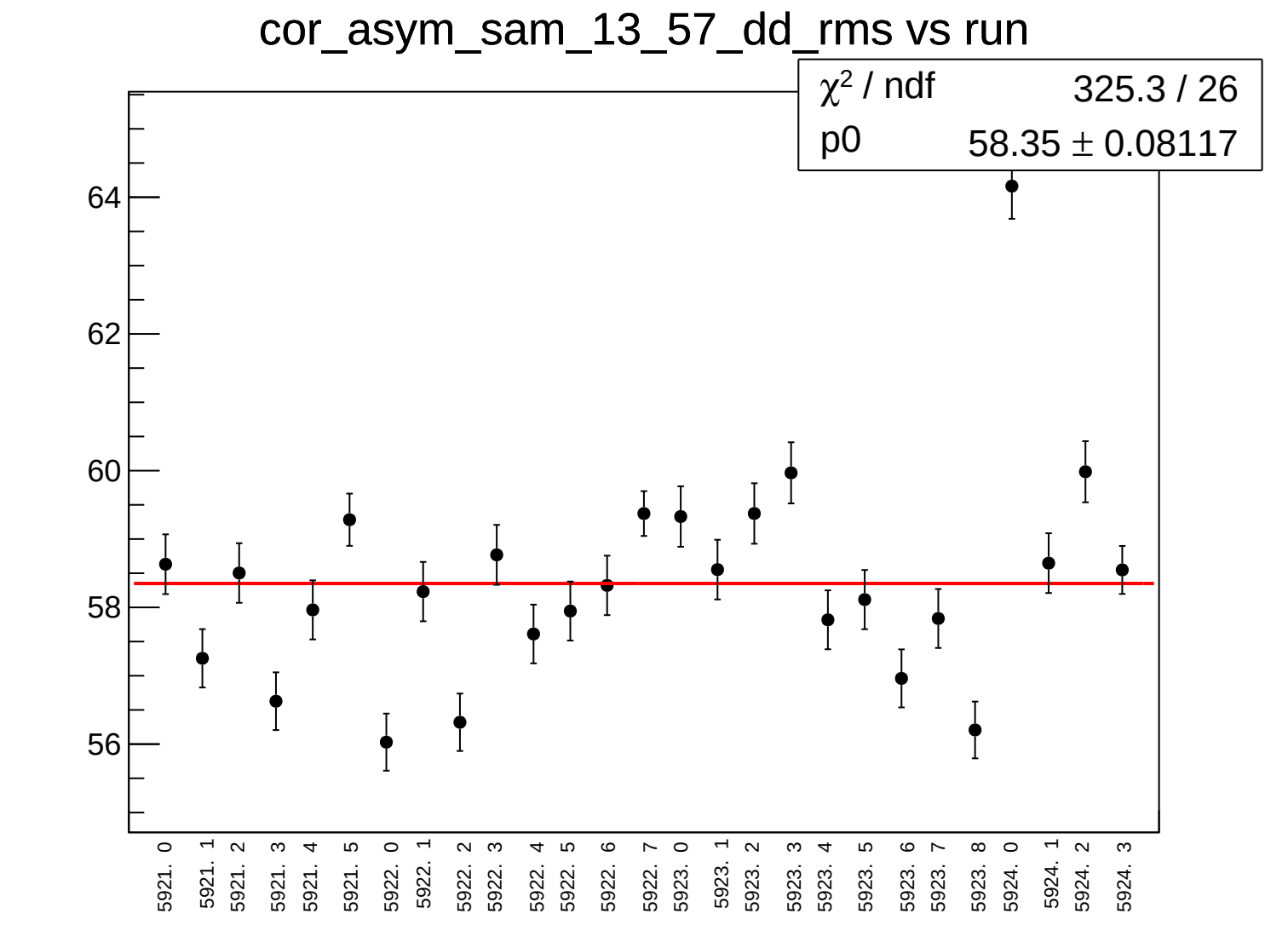

asym_sam_13_57_dd_reg_correction_mean vs run
χ² / ndf 33.36 / 26
p0 −1050 ± 1458
30000
20000
10000
0
−10000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 99.94
Std Dev 0
3
2
1
0
−1
−2

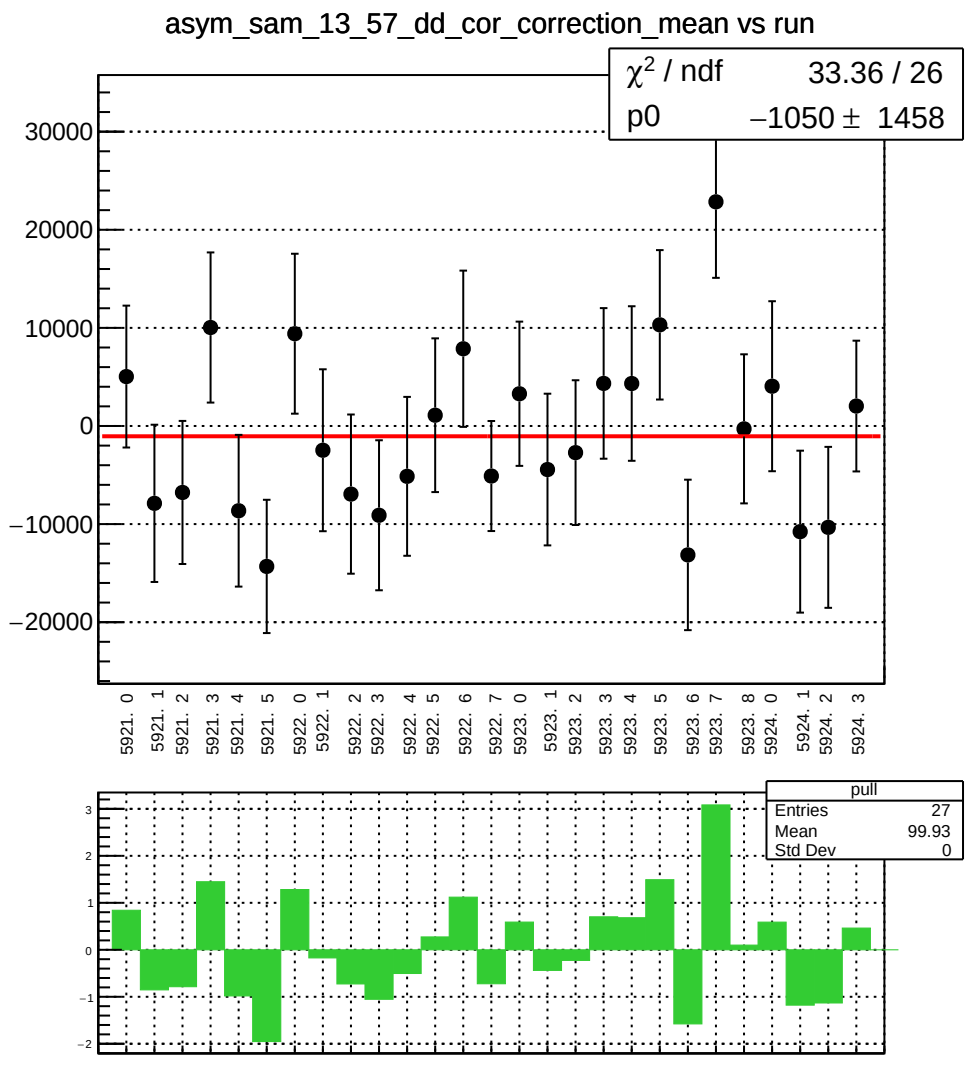

pull1D
Entries 27
Mean 0.0136
Std Dev 1.111
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

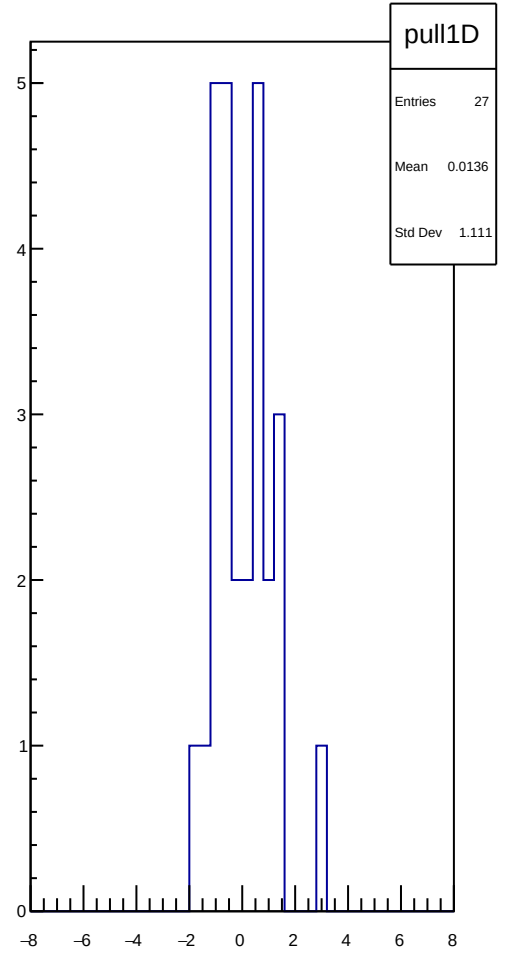

asym_sam_13_57_dd_reg_correction_rms vs run
χ² / ndf 934.7 / 26
p0 740.7 ± 1.031
840
820
800
780
760
740
720
700
680
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

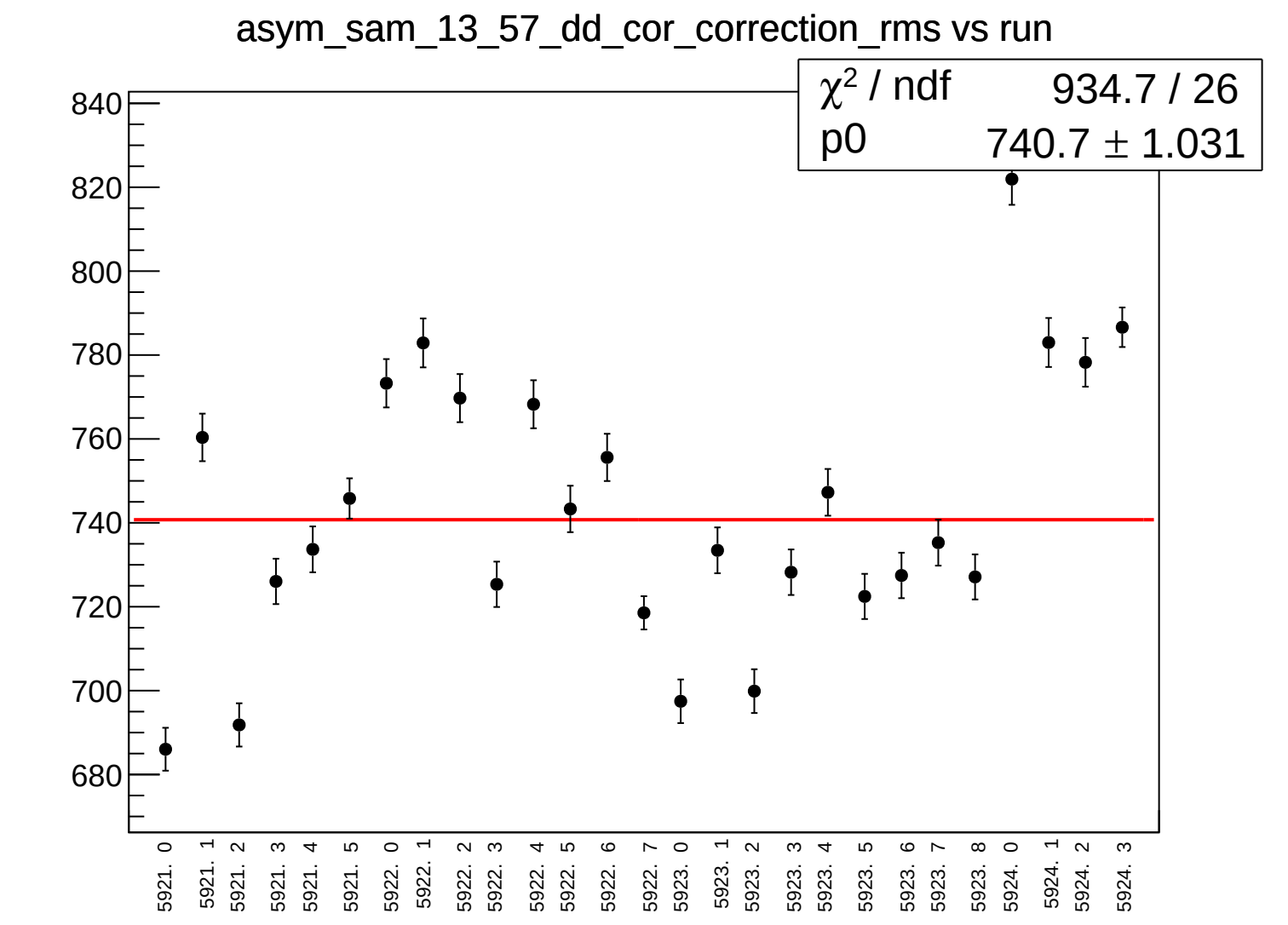

cor_asym_sam_13_57_dd_mean vs run
χ² / ndf 18.29 / 26
p0 −13.48 ± 114.8
1500
1000
500
0
−500
−1000
−1500
−2000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 4.508
Std Dev 20.42
1.5
1
0.5
0
−0.5
−1
−1.5
−2

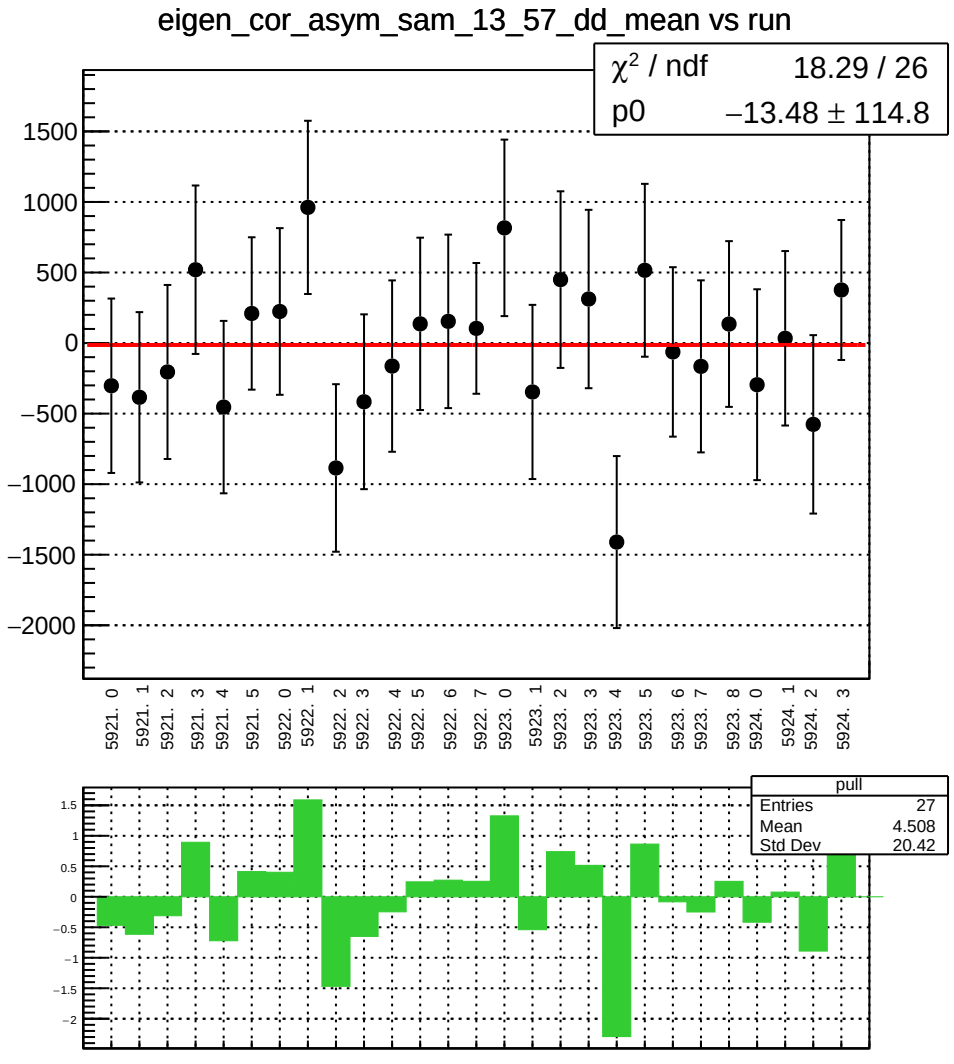

pull1D
Entries 27
Mean −0.01178
Std Dev 0.8229
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

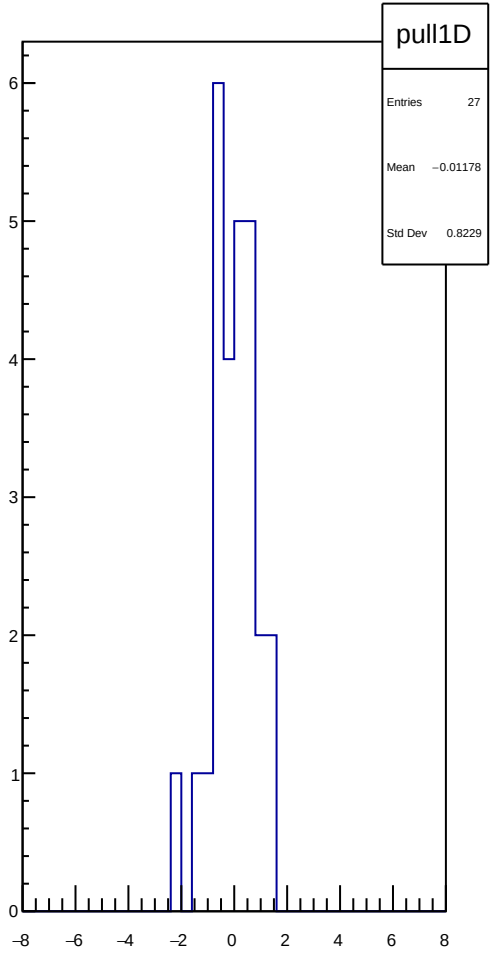

cor_asym_sam_13_57_dd_rms vs run
χ² / ndf 325.3 / 26
p0 58.35 ± 0.08117
64
62
60
58
56
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

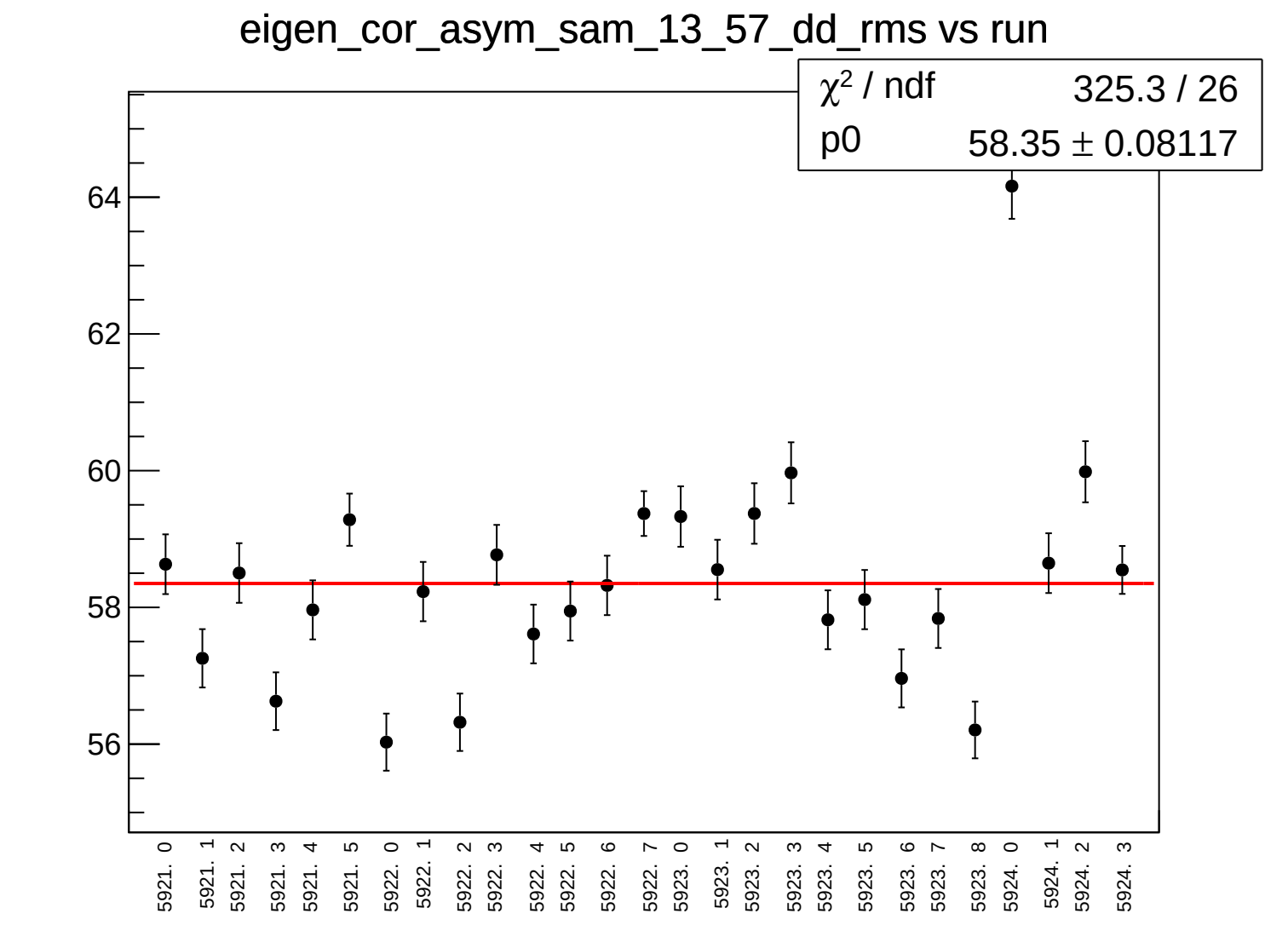

asym_sam_13_57_dd_cor_correction_mean vs run
χ² / ndf 33.36 / 26
p0 −1050 ± 1458
30000
20000
10000
0
−10000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 99.93
Std Dev 0
3
2
1
0
−1
−2

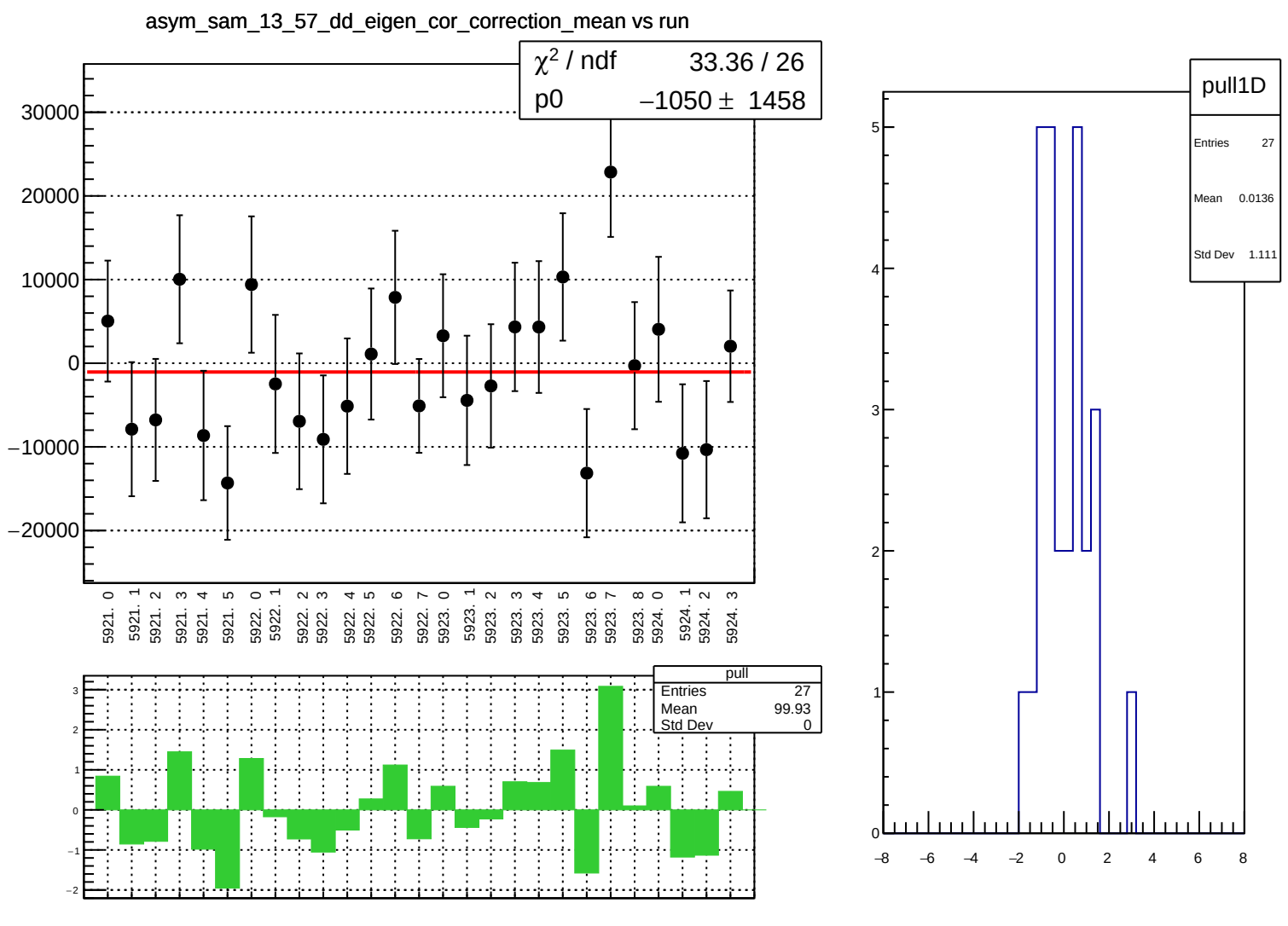

pull1D
Entries 27
Mean 0.0136
Std Dev 1.111
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

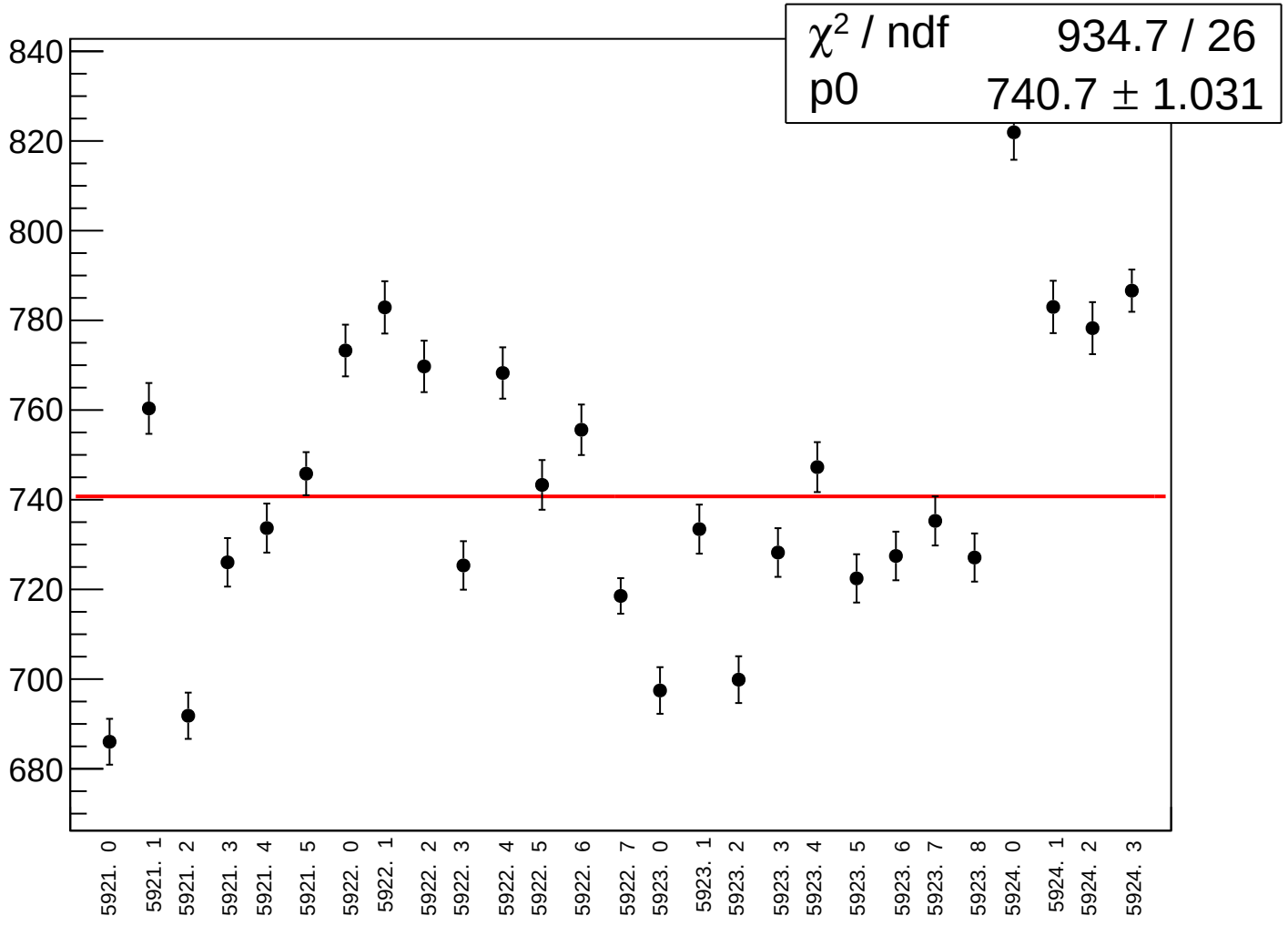

asym_sam_13_57_dd_cor_correction_rms vs run
χ² / ndf 934.7 / 26
p0 740.7 ± 1.031
840
820
800
780
760
740
720
700
680
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

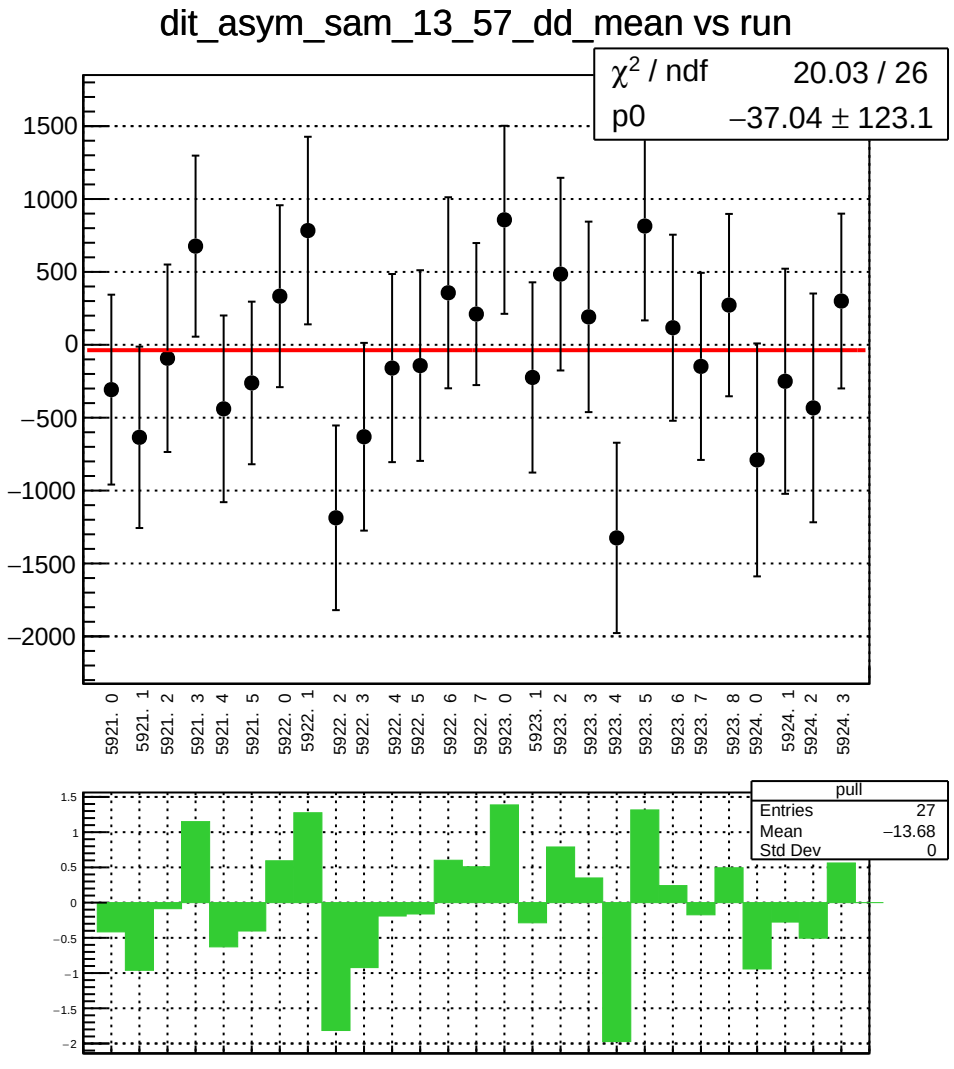

eigen_cor_asym_sam_13_57_dd_mean vs run
χ² / ndf 18.29 / 26
p0 −13.48 ± 114.8
1500
1000
500
0
−500
−1000
−1500
−2000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 4.508
Std Dev 20.42
1.5
1
0.5
0
−0.5
−1
−1.5
−2

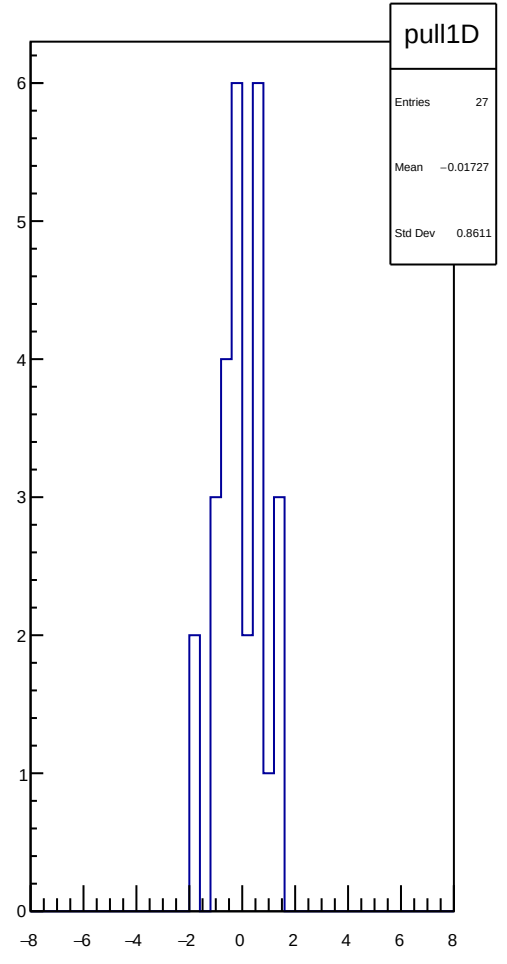

pull1D
Entries 27
Mean −0.01178
Std Dev 0.8229
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

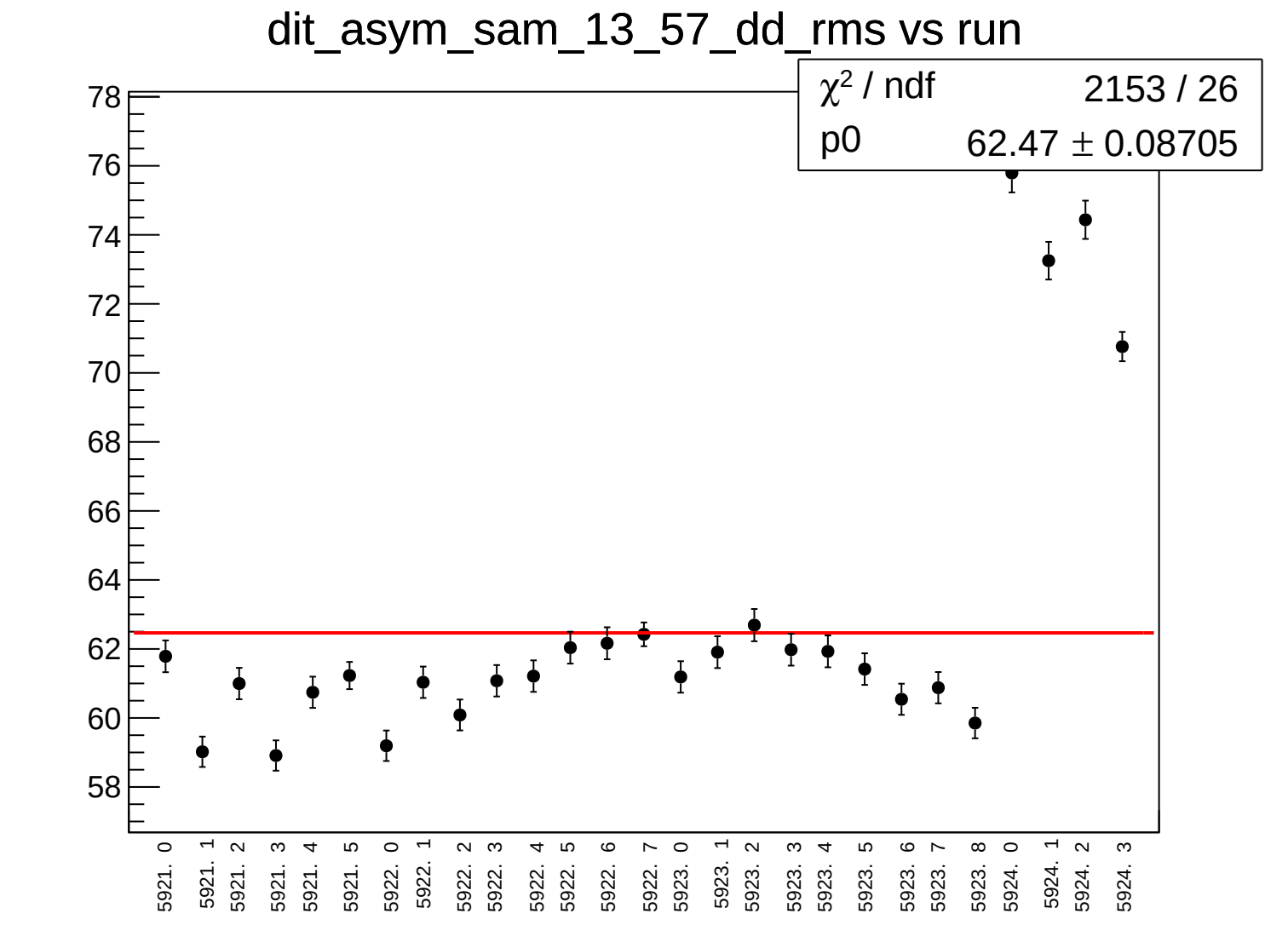

eigen_cor_asym_sam_13_57_dd_rms vs run
χ² / ndf 325.3 / 26
p0 58.35 ± 0.08117
64
62
60
58
56
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

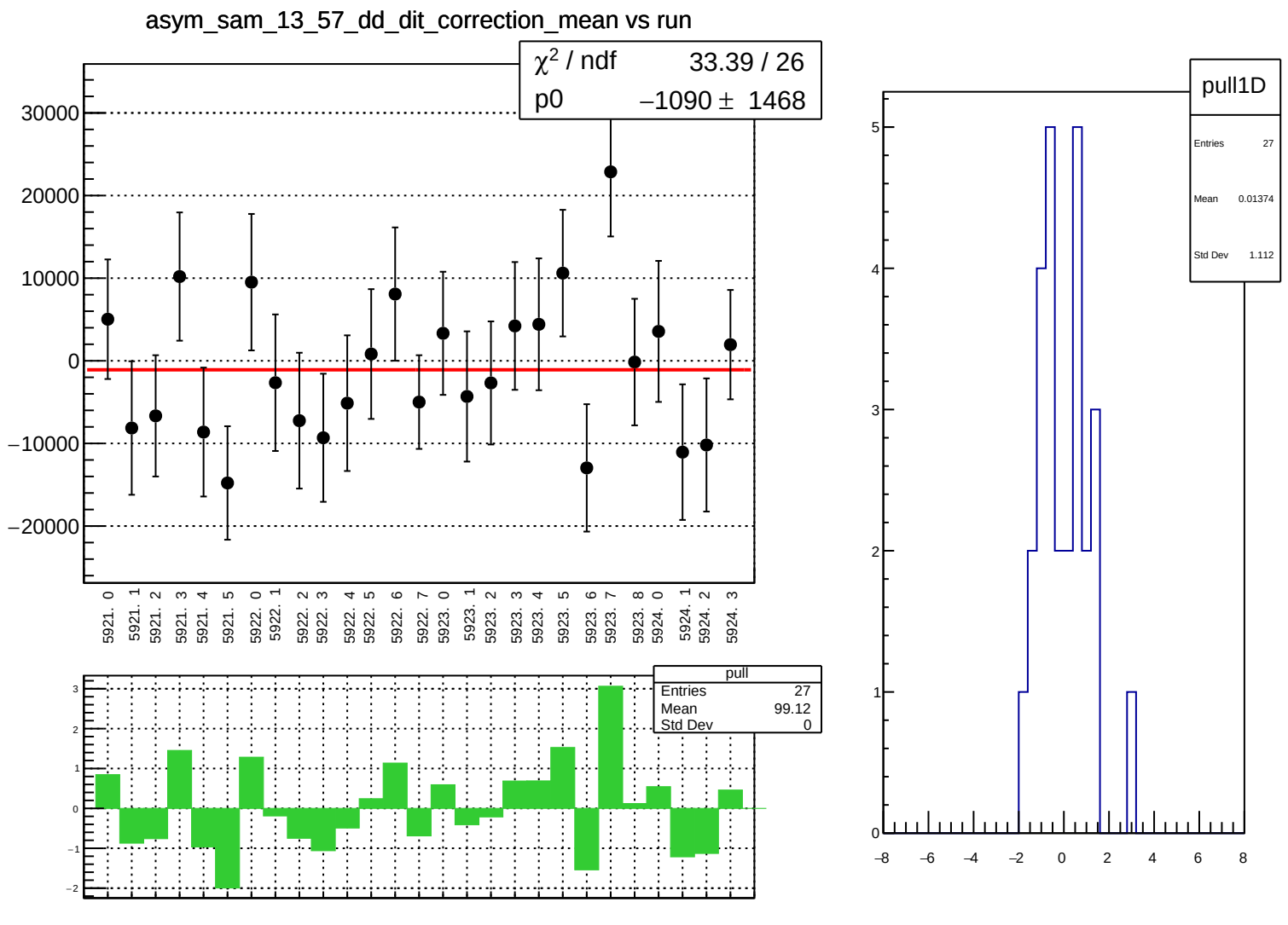

asym_sam_13_57_dd_eigen_cor_correction_mean vs run
χ² / ndf 33.36 / 26
p0 −1050 ± 1458
30000
20000
10000
0
−10000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 99.93
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.0136
Std Dev 1.111
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

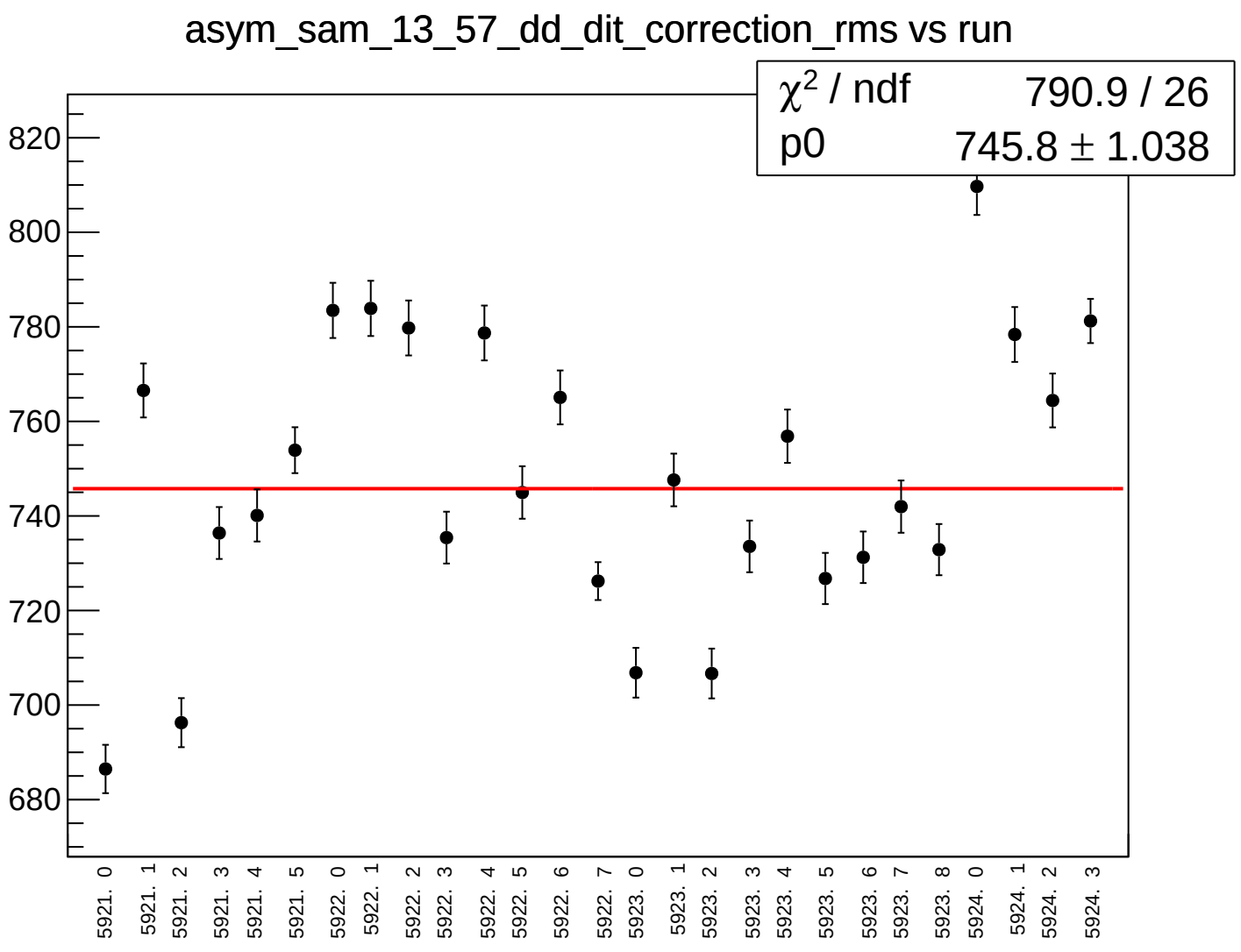

asym_sam_13_57_dd_eigen_cor_correction_rms vs run
χ² / ndf 934.7 / 26
p0 740.7 ± 1.031
840
820
800
780
760
740
720
700
680
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

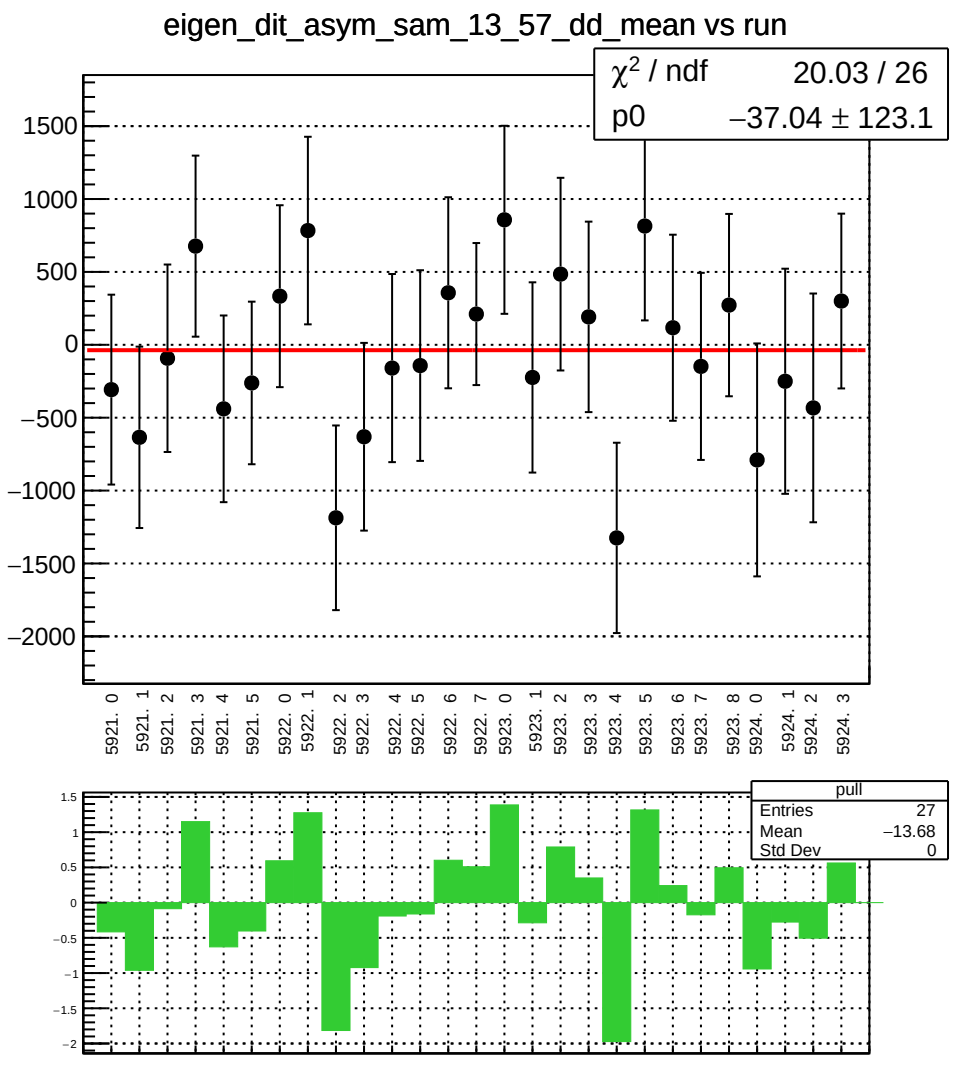

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 20.03 / 26
p0 −37.04 ± 123.1
1500
1000
500
0
−500
−1000
−1500
−2000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −13.68
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

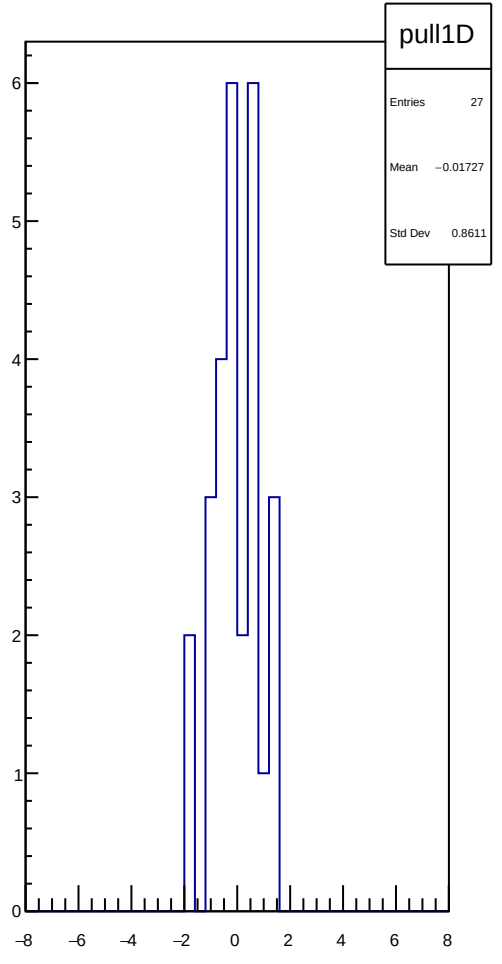

pull1D
Entries 27
Mean −0.01727
Std Dev 0.8611
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

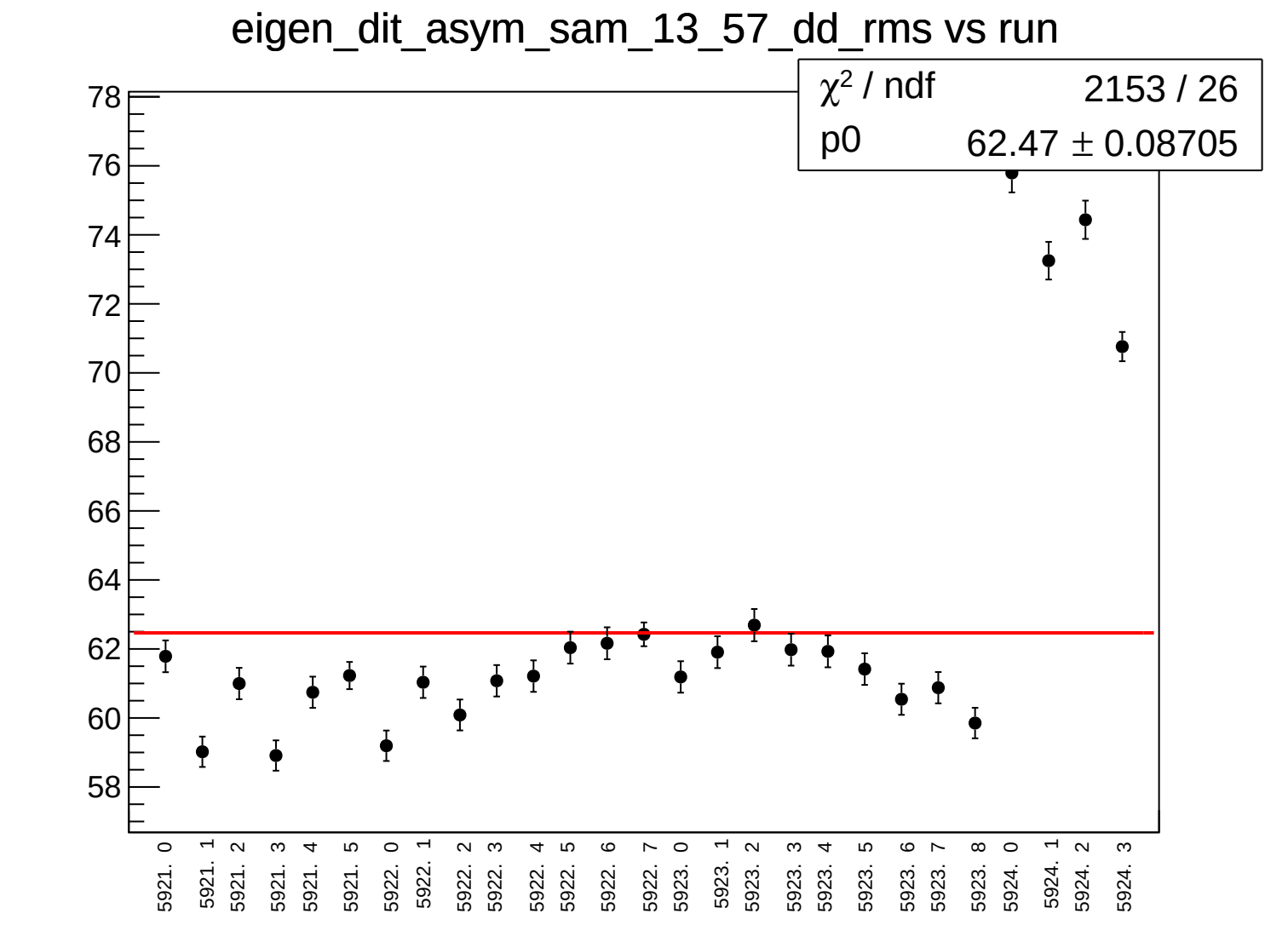

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 2153 / 26
p0 62.47 ± 0.08705
78
76
74
72
70
68
66
64
62
60
58
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

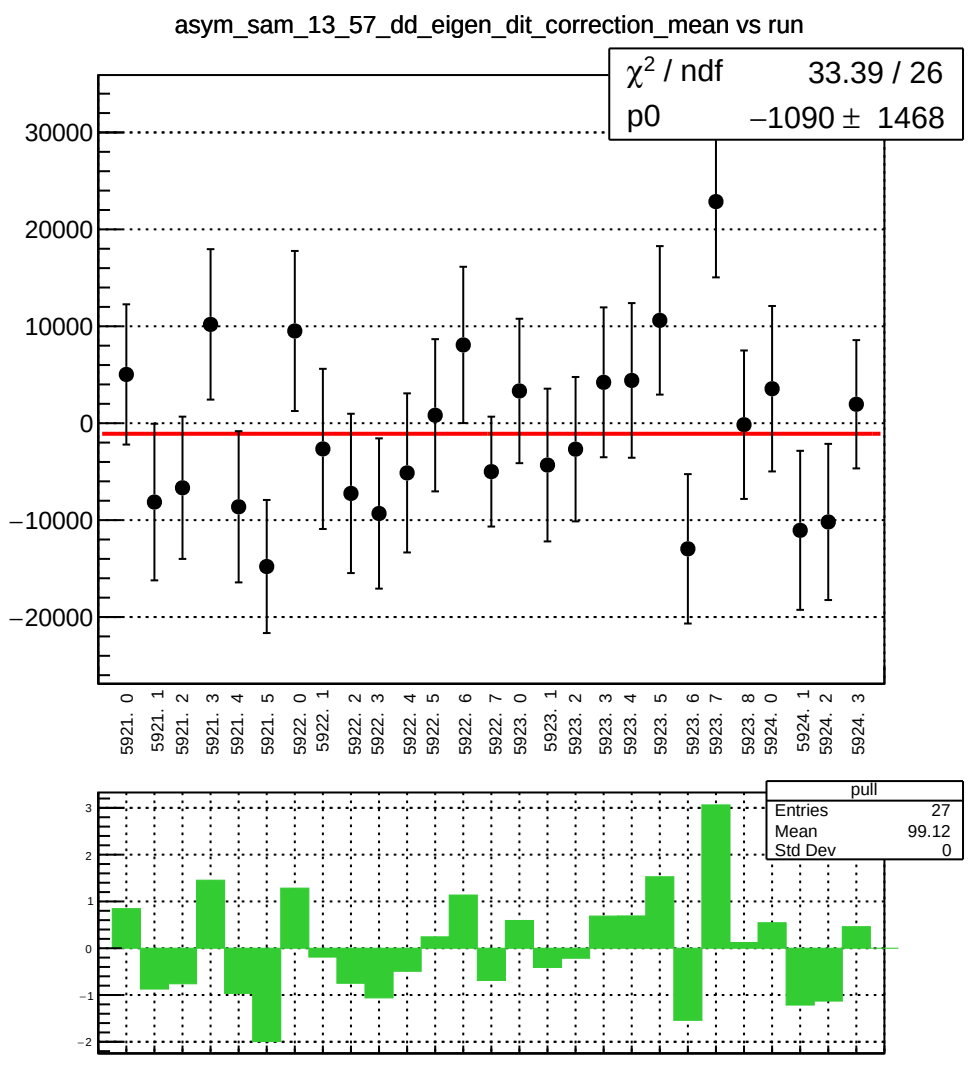

asym_sam_13_57_dd_dit_correction_mean vs run
χ² / ndf 33.39 / 26
p0 −1090 ± 1468
30000
20000
10000
0
−10000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 99.12
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.01374
Std Dev 1.112
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

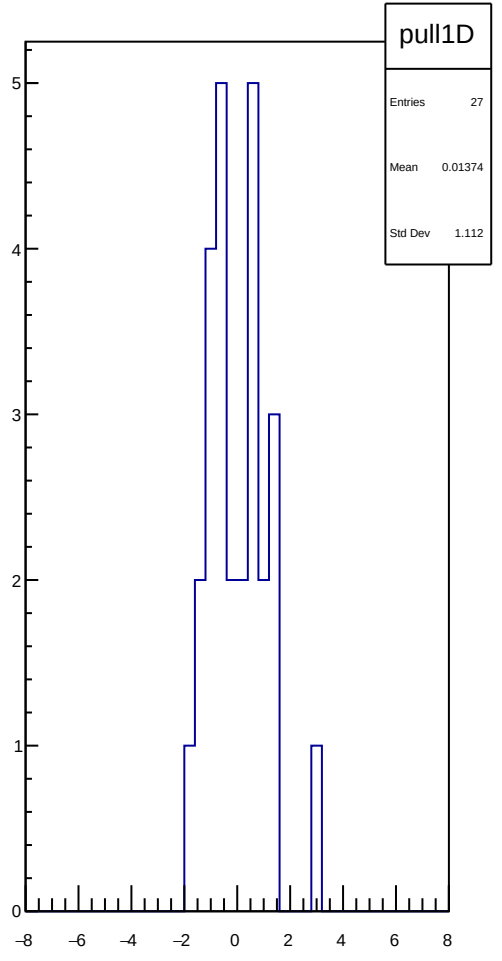

asym_sam_13_57_dd_dit_correction_rms vs run
χ² / ndf 790.9 / 26
p0 745.8 ± 1.038
820
800
780
760
740
720
700
680
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

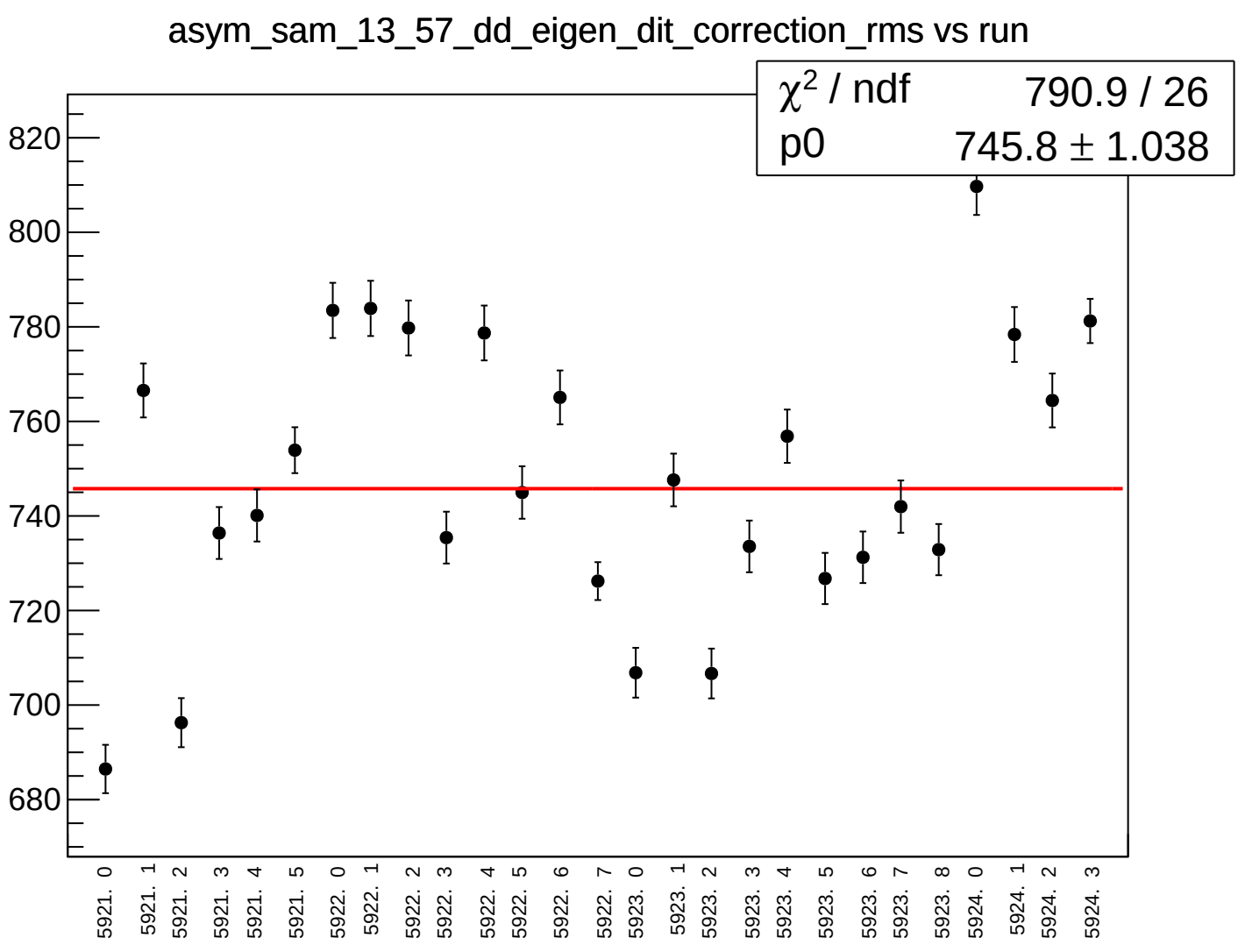

eigen_dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 20.03 / 26
p0 −37.04 ± 123.1
1500
1000
500
0
−500
−1000
−1500
−2000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −13.68
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

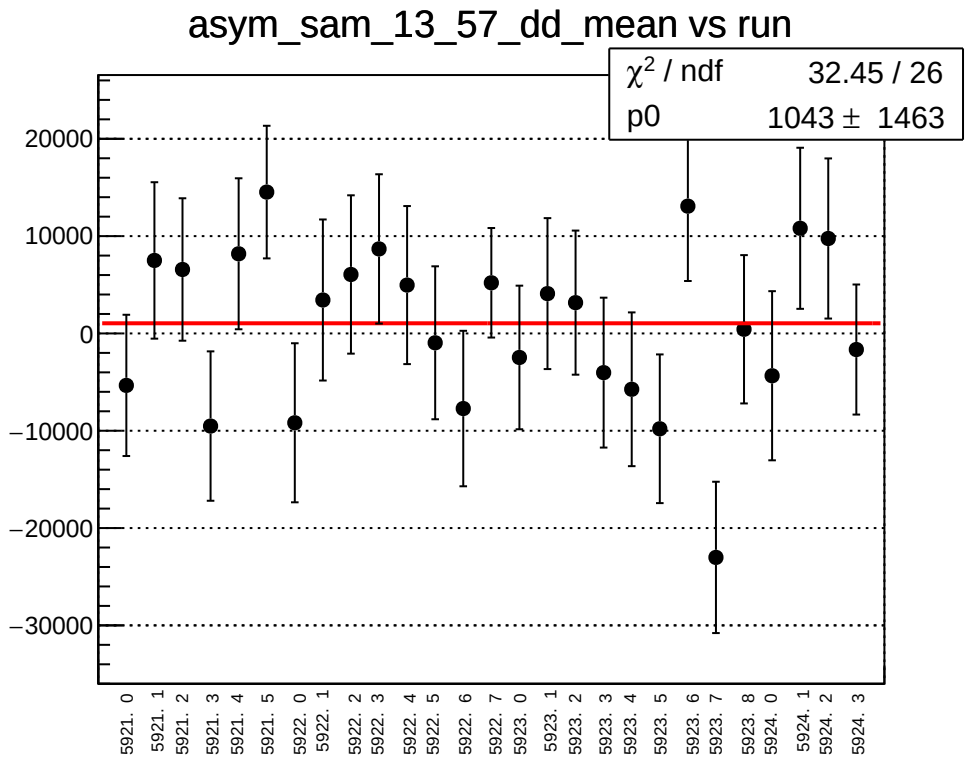

pull1D
Entries 27
Mean −0.01727
Std Dev 0.8611
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

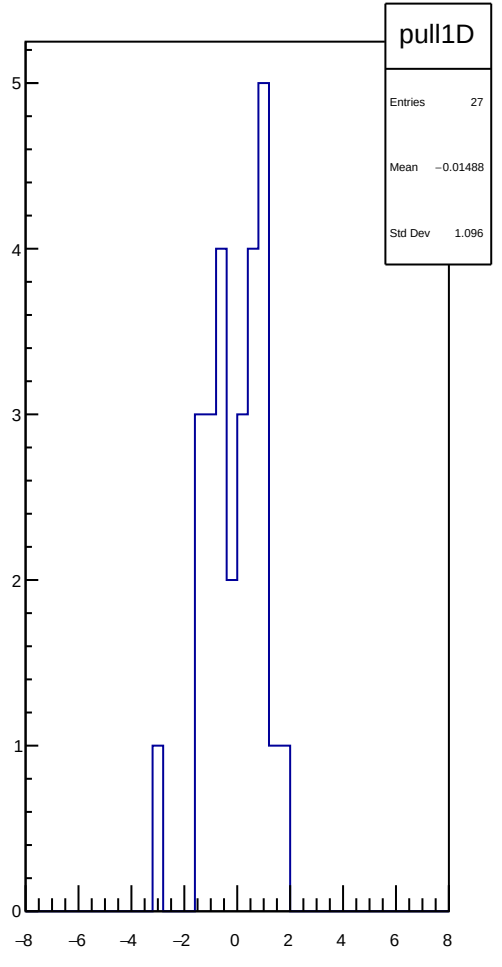

eigen_dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 2153 / 26
p0 62.47 ± 0.08705
78
76
74
72
70
68
66
64
62
60
58
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

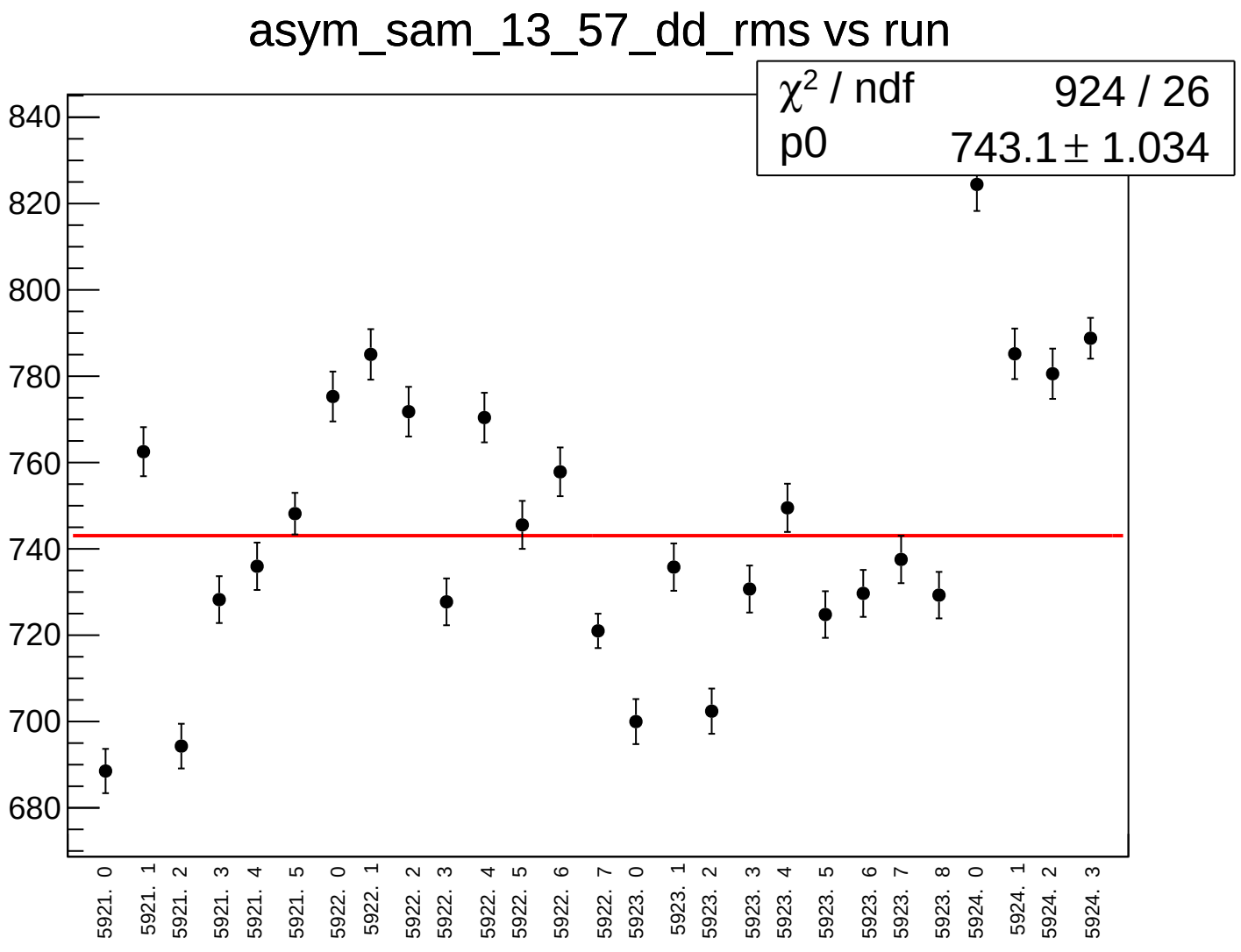

asym_sam_13_57_dd_eigen_dit_correction_mean vs run
χ² / ndf 33.39 / 26
p0 −1090 ± 1468
30000
20000
10000
0
−10000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 99.12
Std Dev 0
3
2
1
0
−1
−2

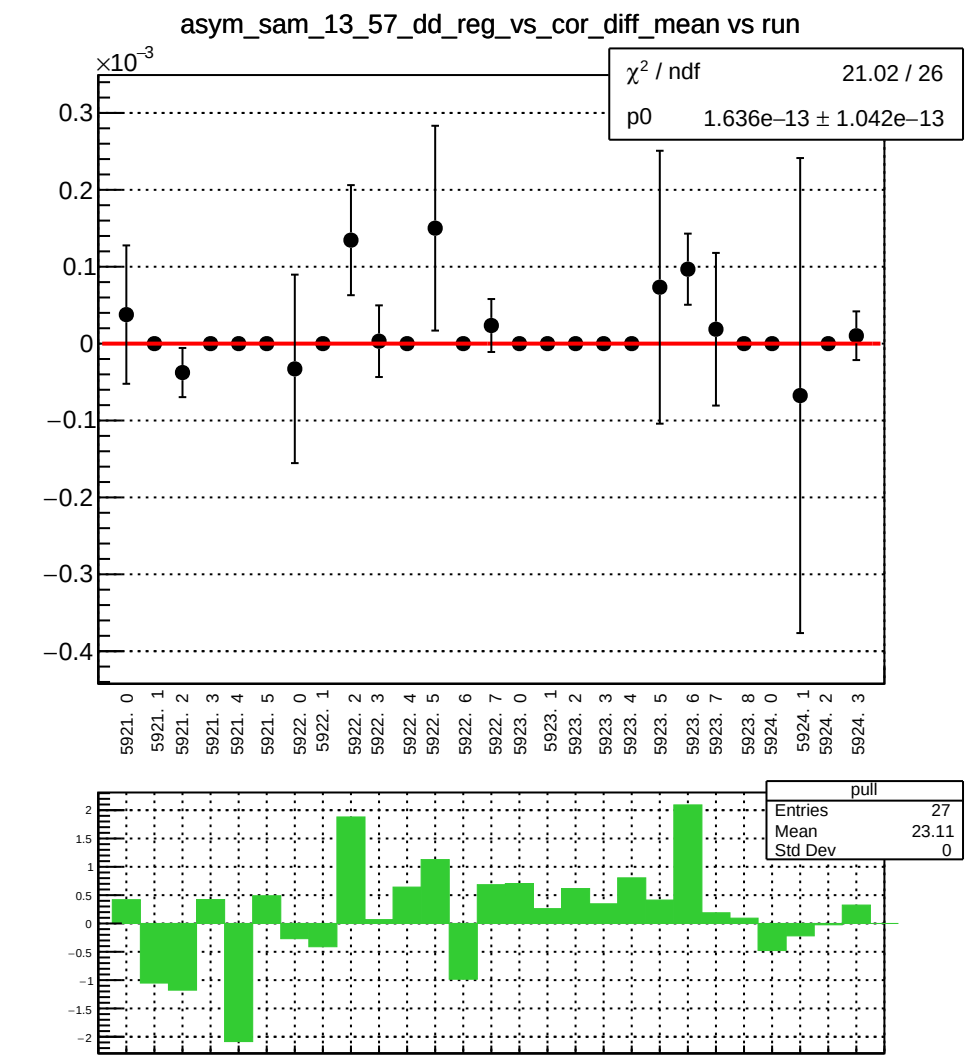

pull1D
Entries 27
Mean 0.01374
Std Dev 1.112
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

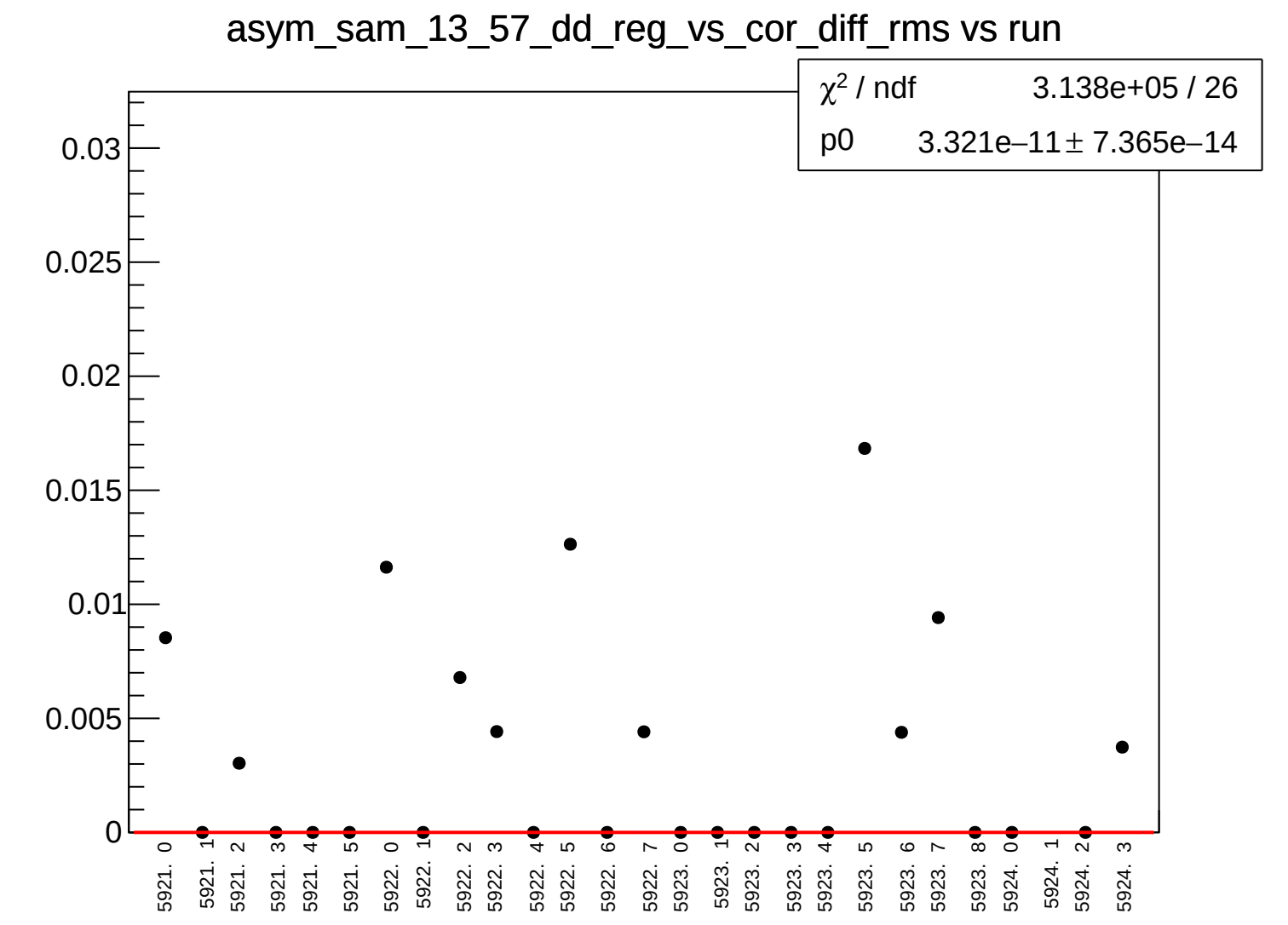

asym_sam_13_57_dd_eigen_dit_correction_rms vs run
χ² / ndf 790.9 / 26
p0 745.8 ± 1.038
820
800
780
760
740
720
700
680
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

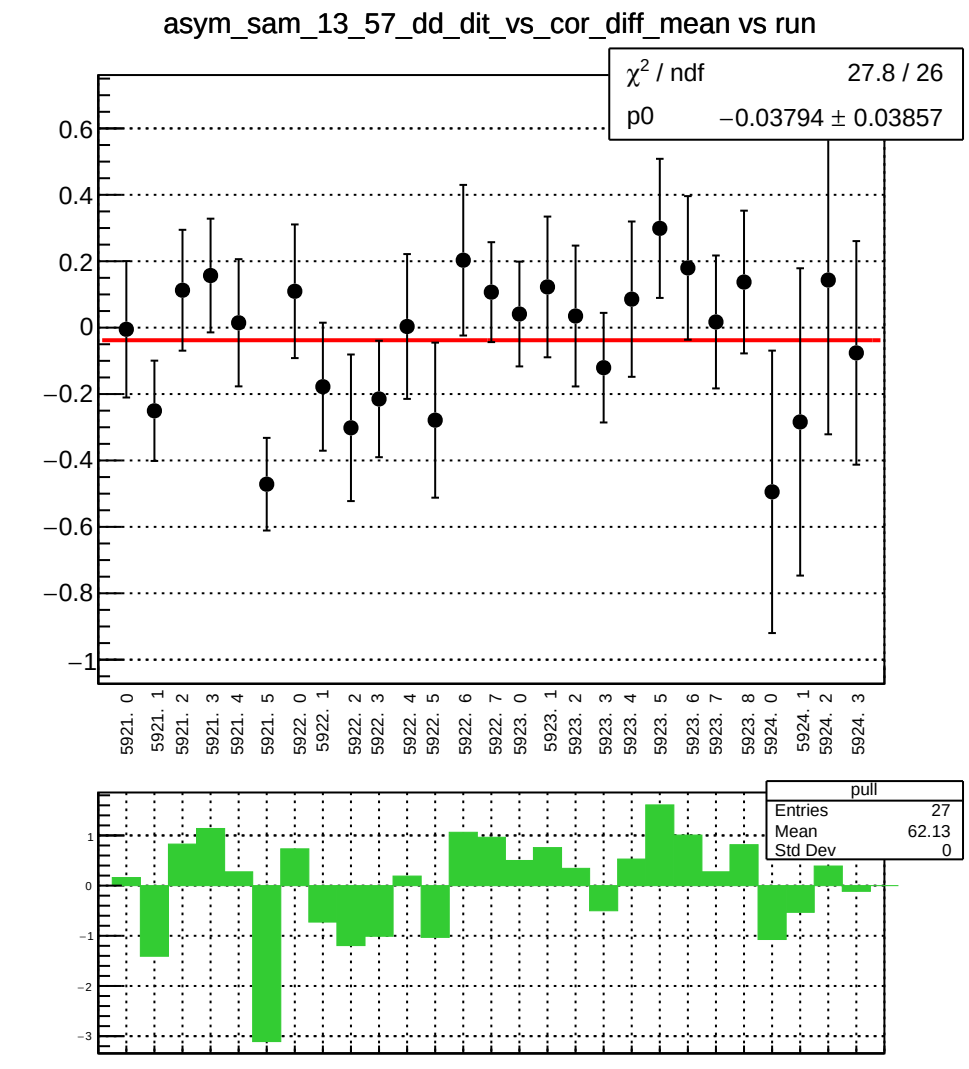

asym_sam_13_57_dd_mean vs run
χ² / ndf 32.45 / 26
p0 1043 ± 1463
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 91.51
Std Dev 0
2
1
0
−1
−2
−3

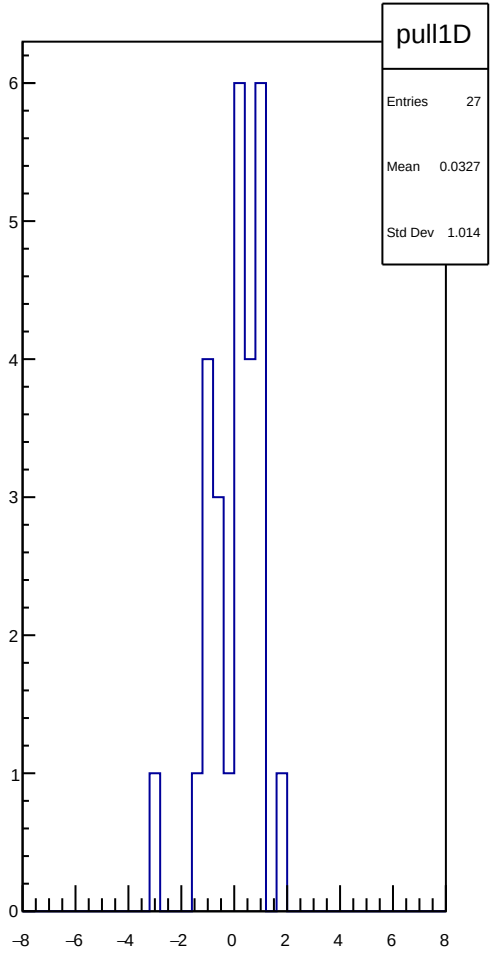

pull1D
Entries 27
Mean −0.01488
Std Dev 1.096
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

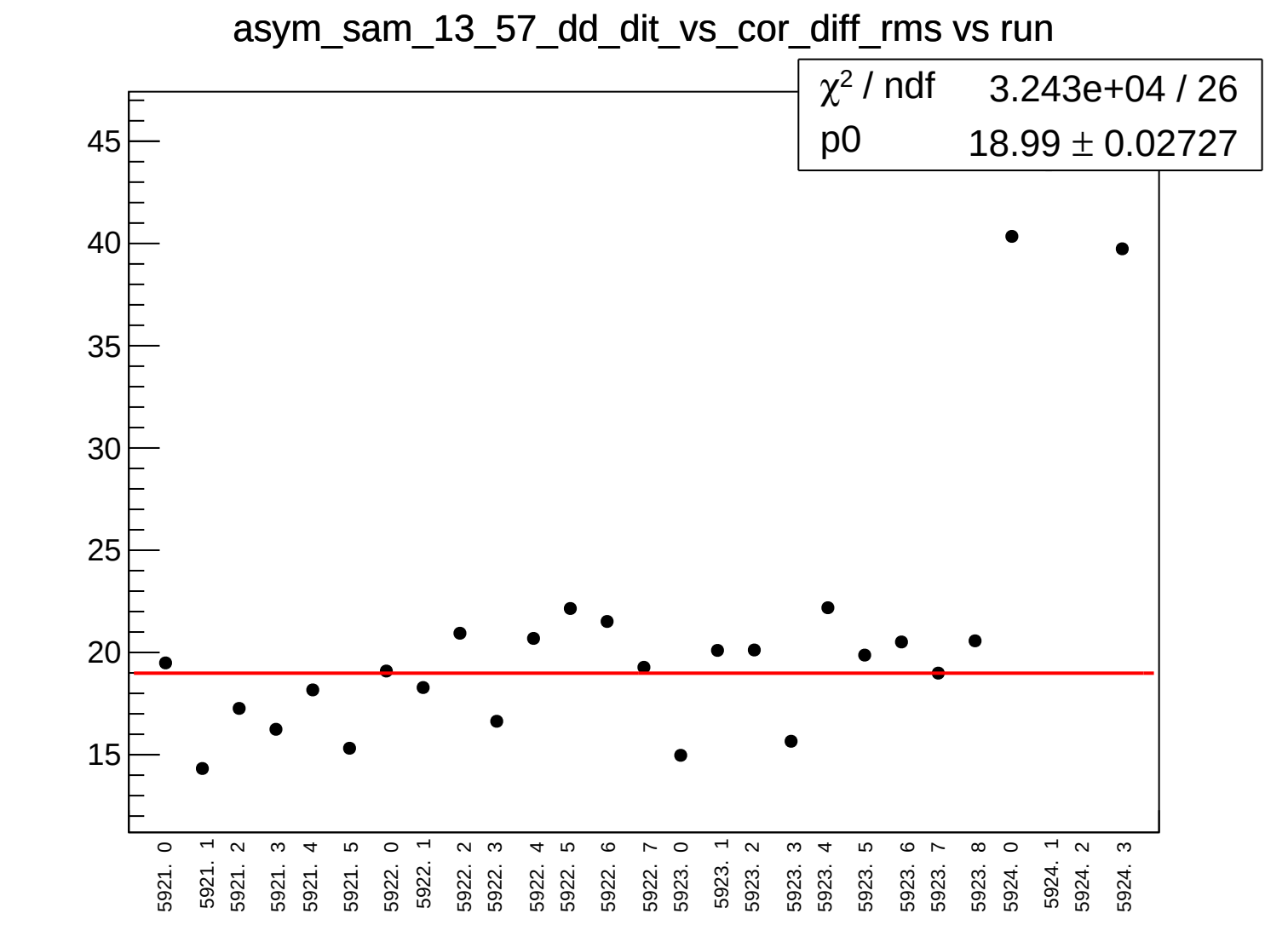

asym_sam_13_57_dd_rms vs run
χ^2 / ndf 924 / 26
p0 743.1 ± 1.034
840
820
800
780
760
740
720
700
680
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

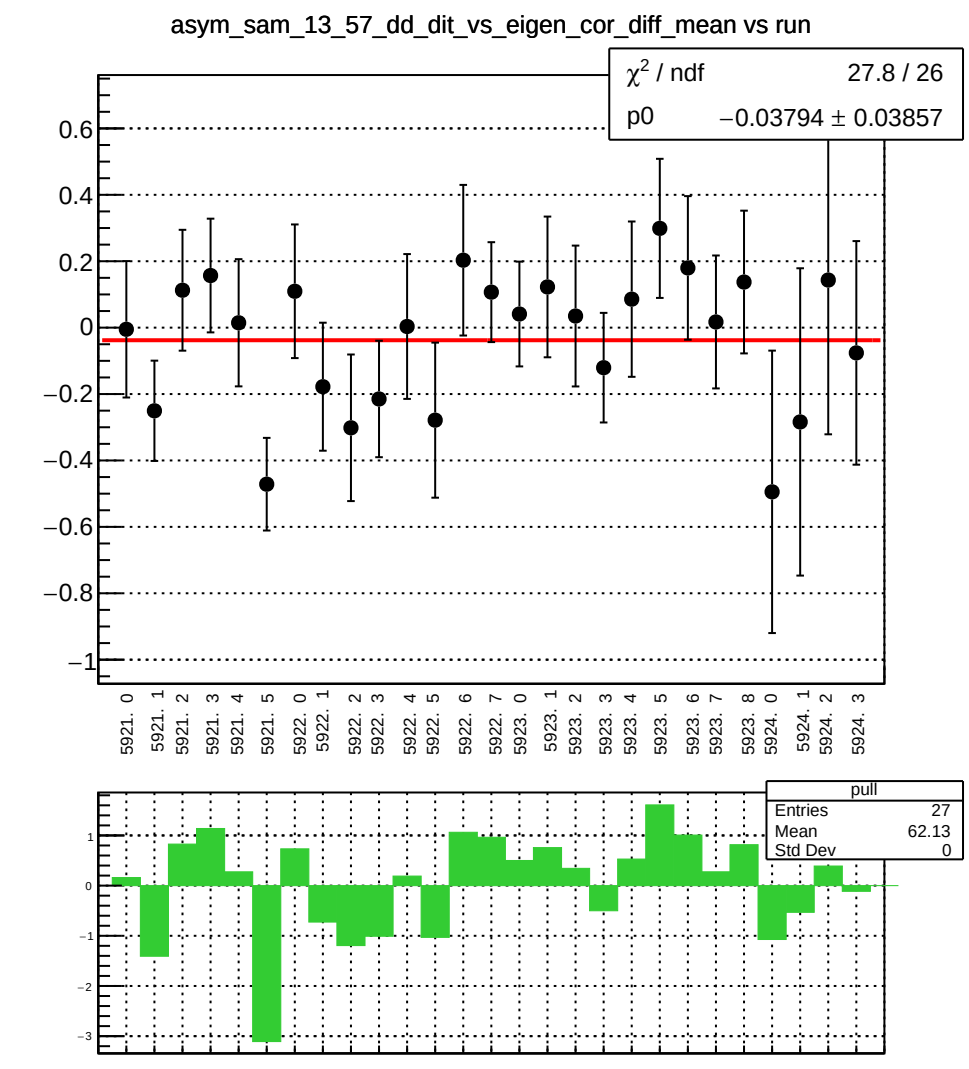

asym_sam_13_57_dd_reg_vs_cor_diff_mean vs run
×10^−3
χ² / ndf 21.02 / 26
p0 1.636e−13 ± 1.042e−13
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 23.11
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean 0.181
Std Dev 0.8635
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

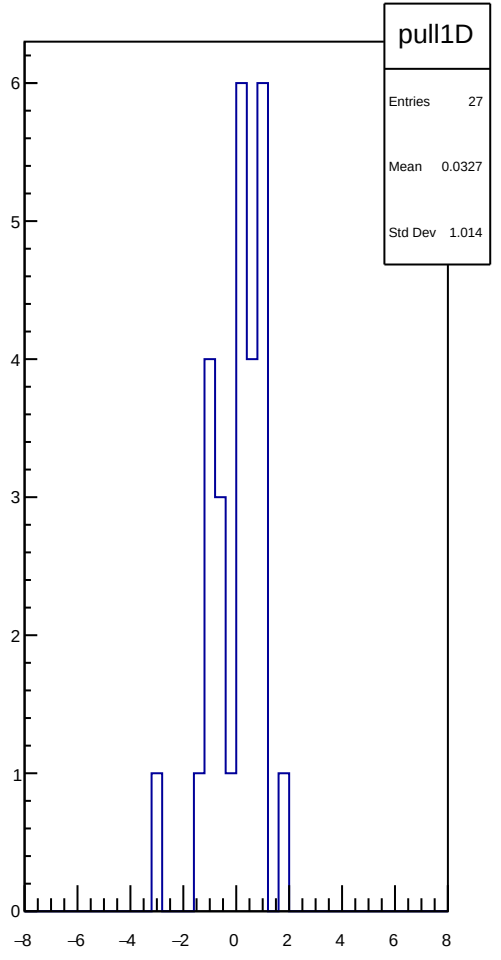

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.138e+05 / 26
p0 3.321e−11 ± 7.365e−14
0.03
0.025
0.02
0.015
0.01
0.005
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

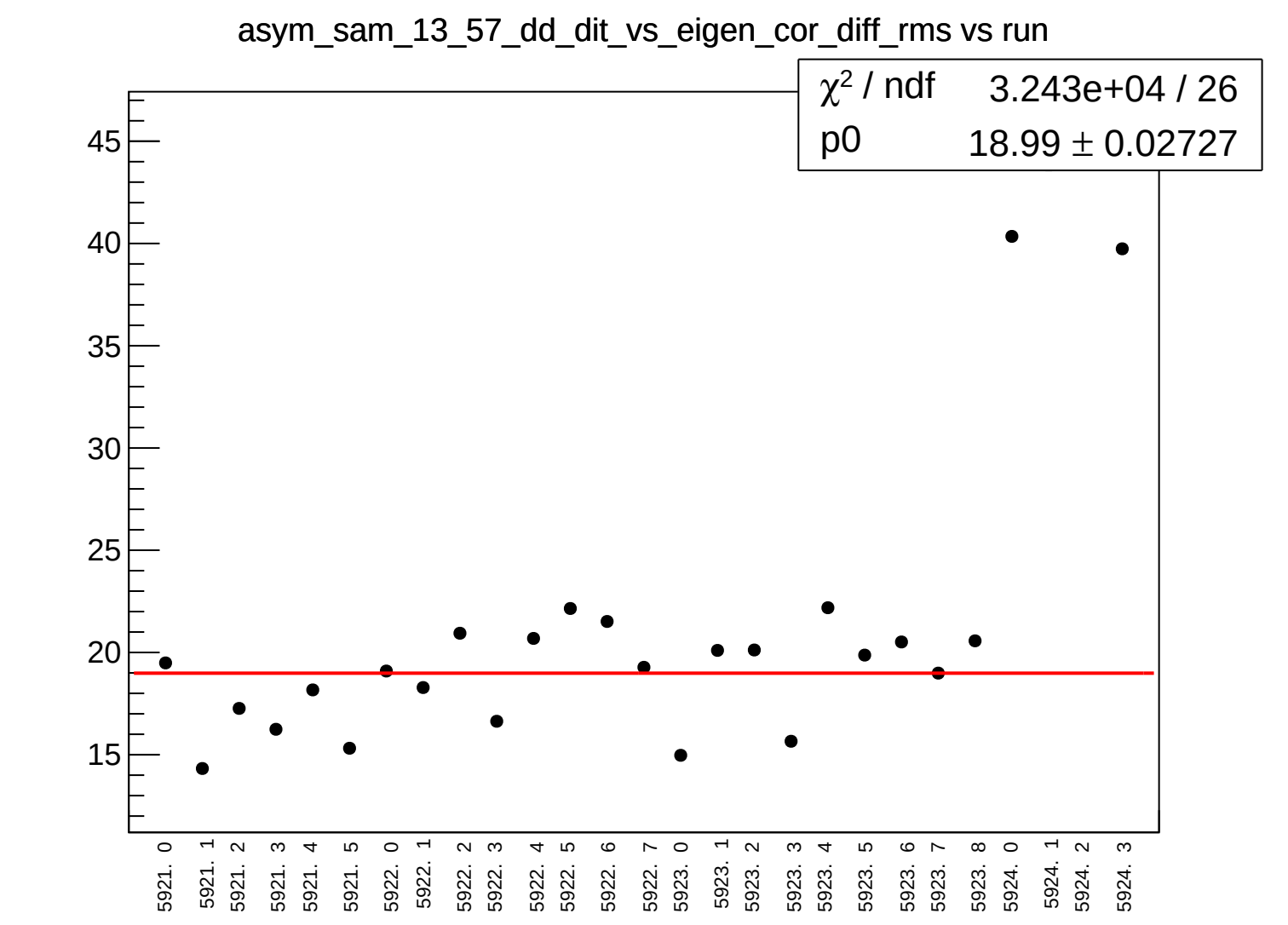

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 27.8 / 26
p0 −0.03794 ± 0.03857
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 62.13
Std Dev 0
1
0
−1
−2
−3

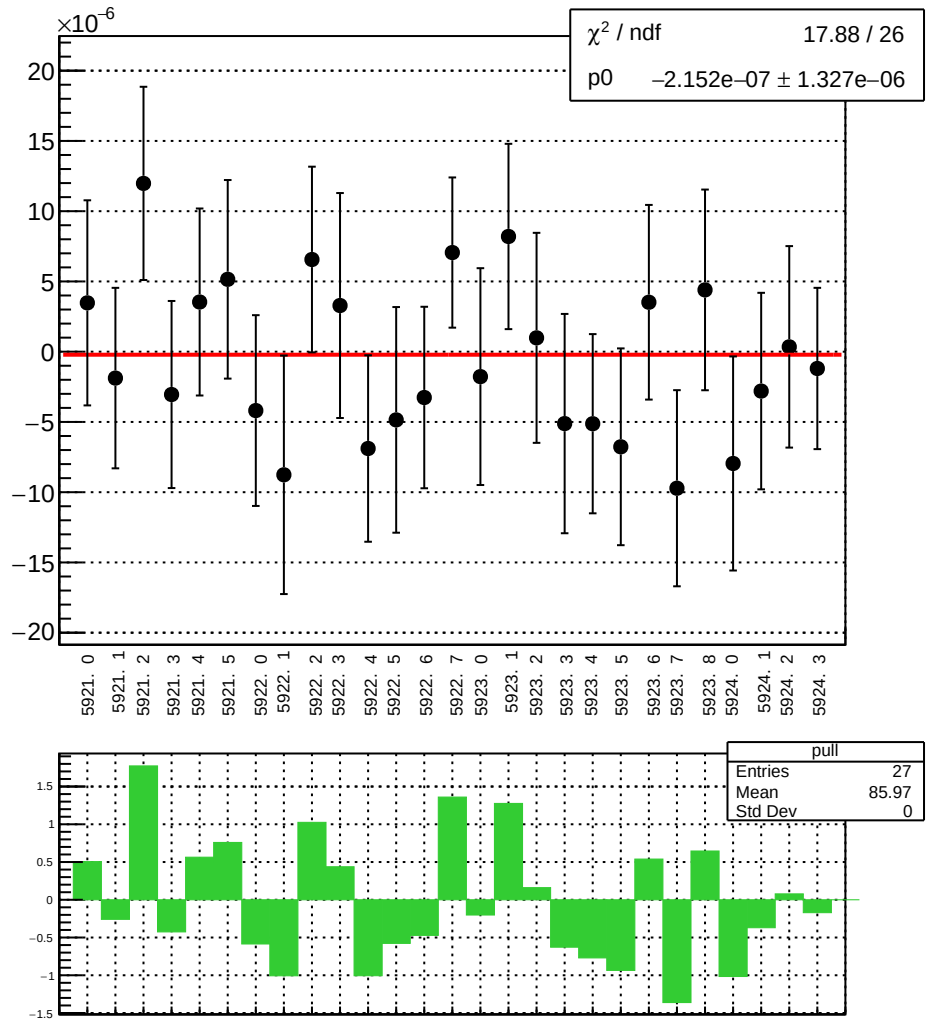

pull1D
Entries 27
Mean 0.0327
Std Dev 1.014
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

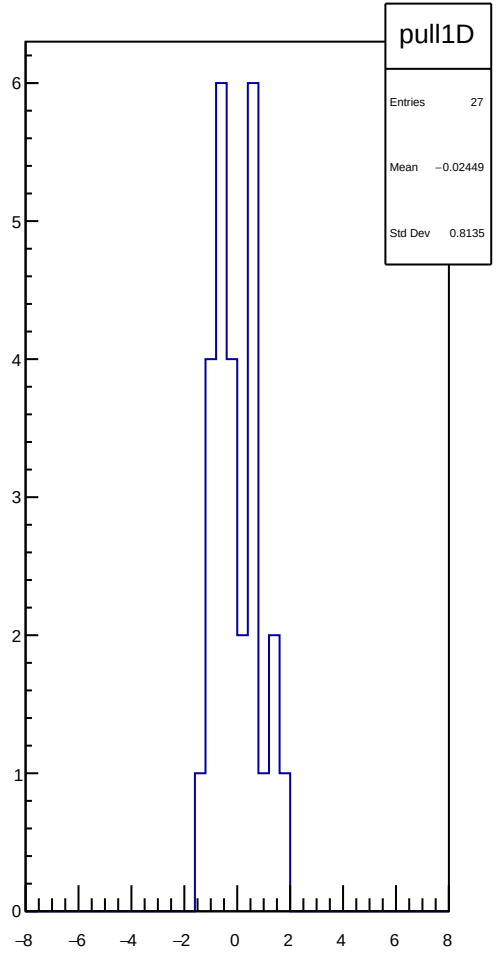

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.243e+04 / 26
p0 18.99 ± 0.02727
45
40
35
30
25
20
15
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

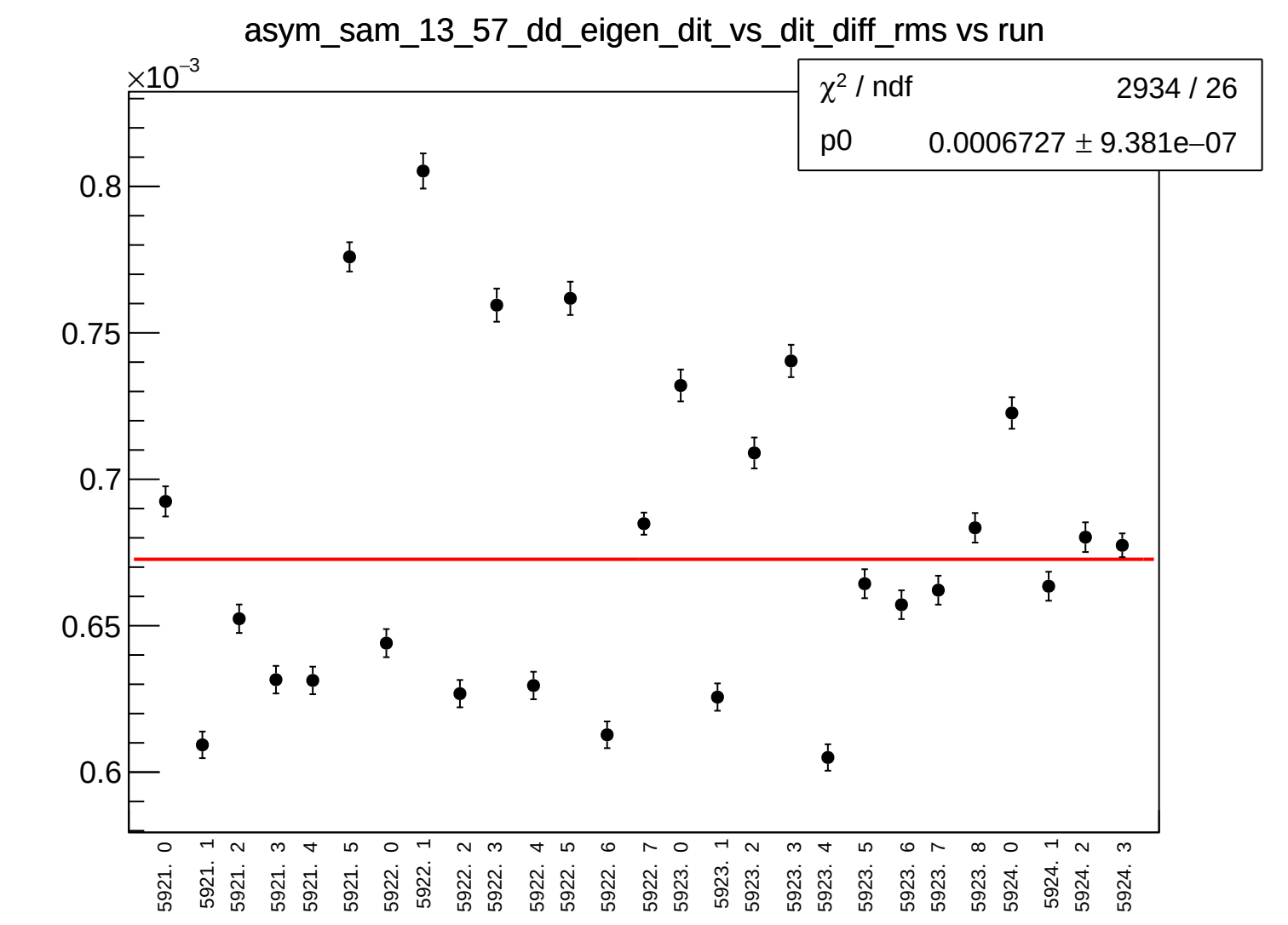

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 27.8 / 26
p0 −0.03794 ± 0.03857
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 62.13
Std Dev 0
1
0
−1
−2
−3

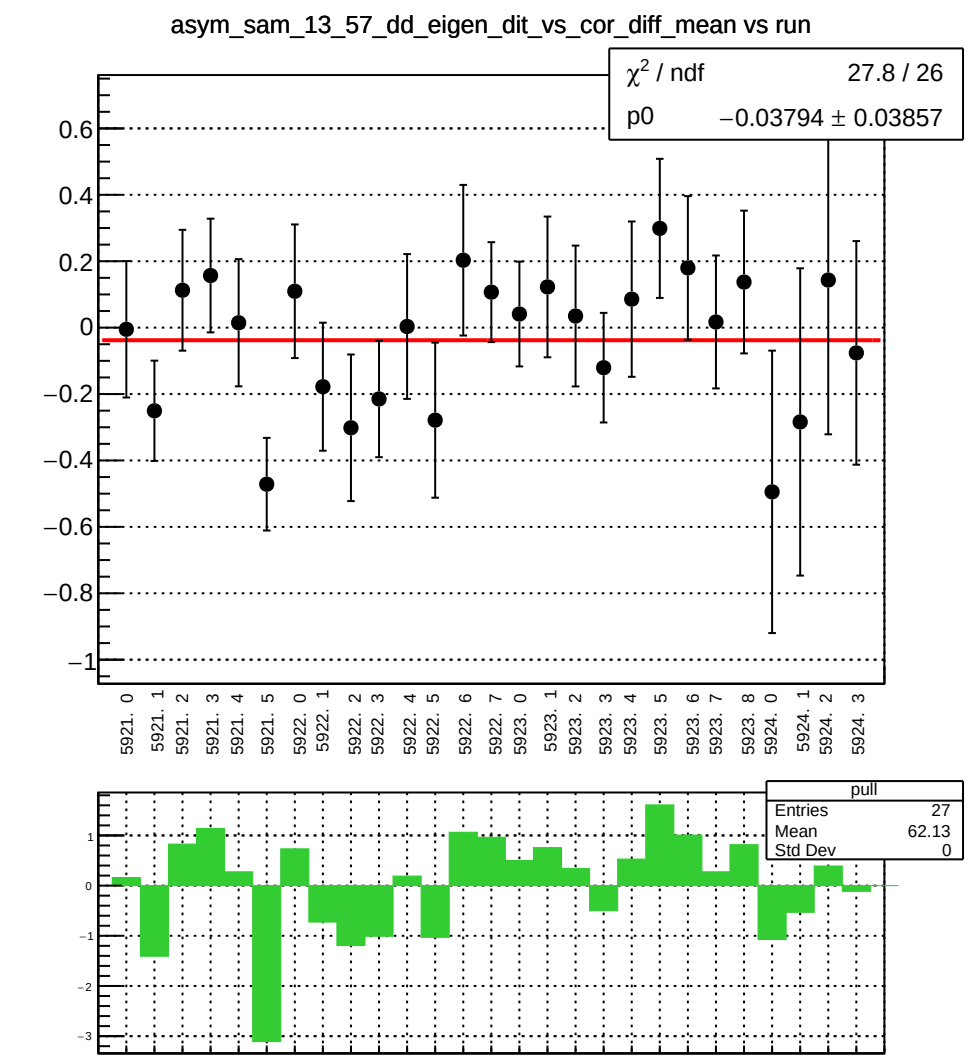

pull1D
Entries 27
Mean 0.0327
Std Dev 1.014
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

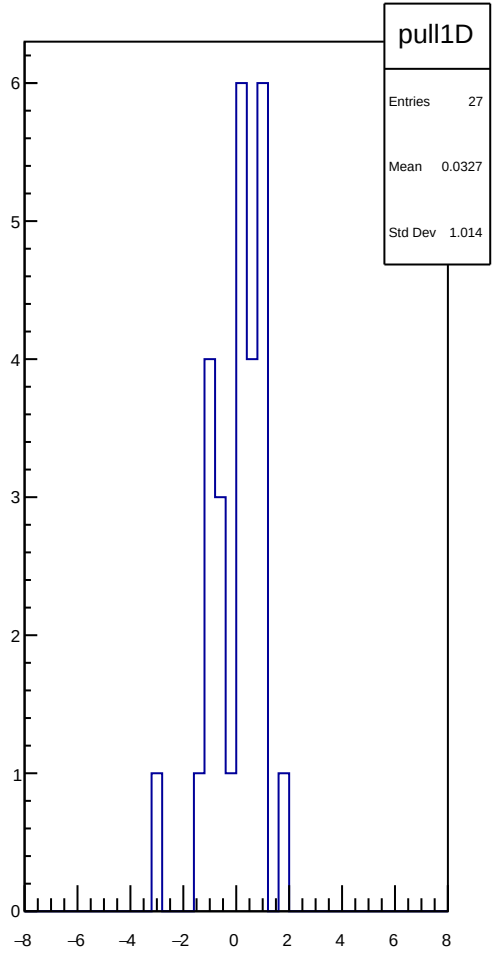

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.243e+04 / 26
p0 18.99 ± 0.02727
45
40
35
30
25
20
15
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

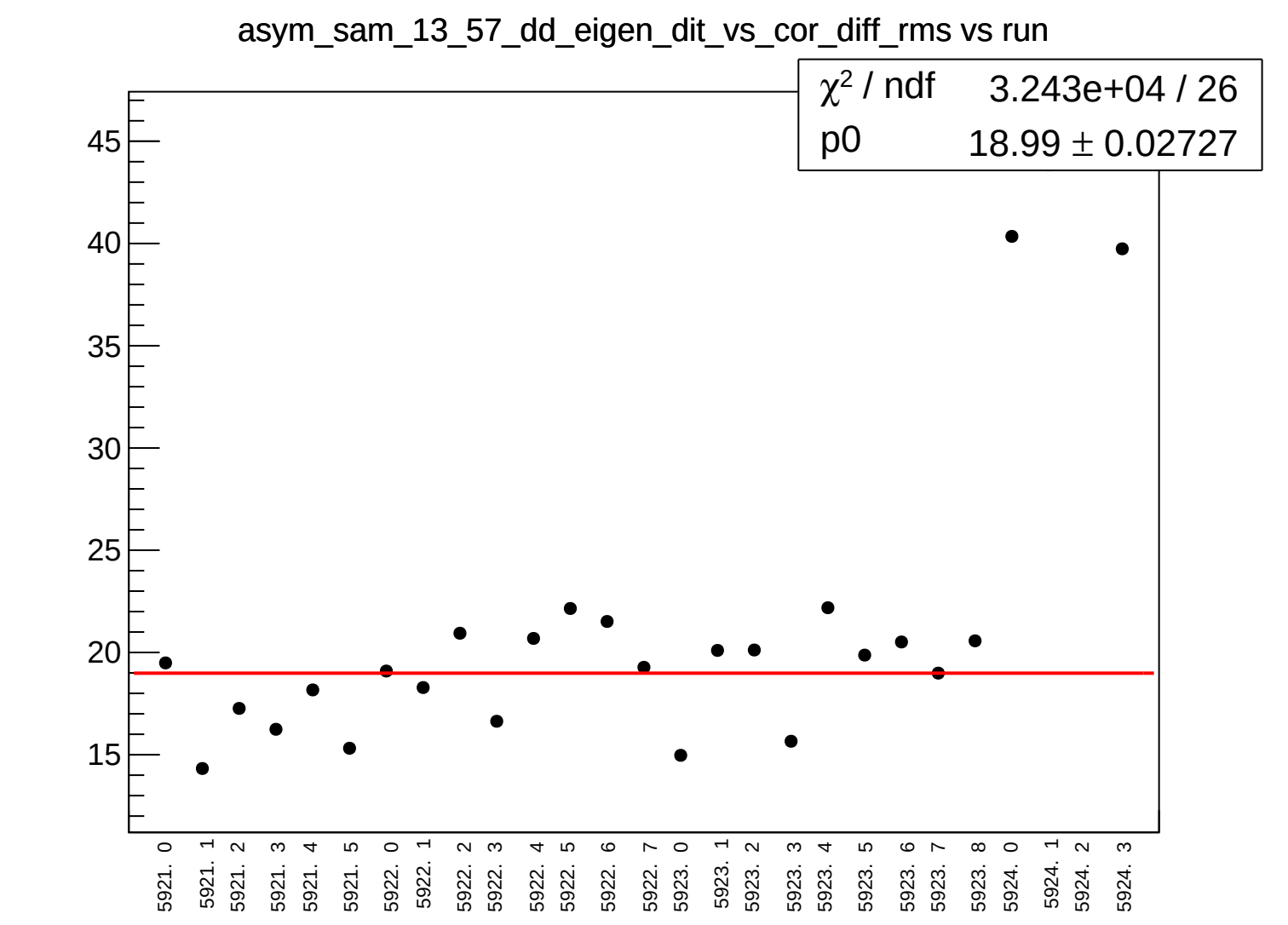

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻⁶
χ² / ndf 17.88 / 26
p0 −2.152e−07 ± 1.327e−06
pull
Entries 27
Mean 85.97
Std Dev 0

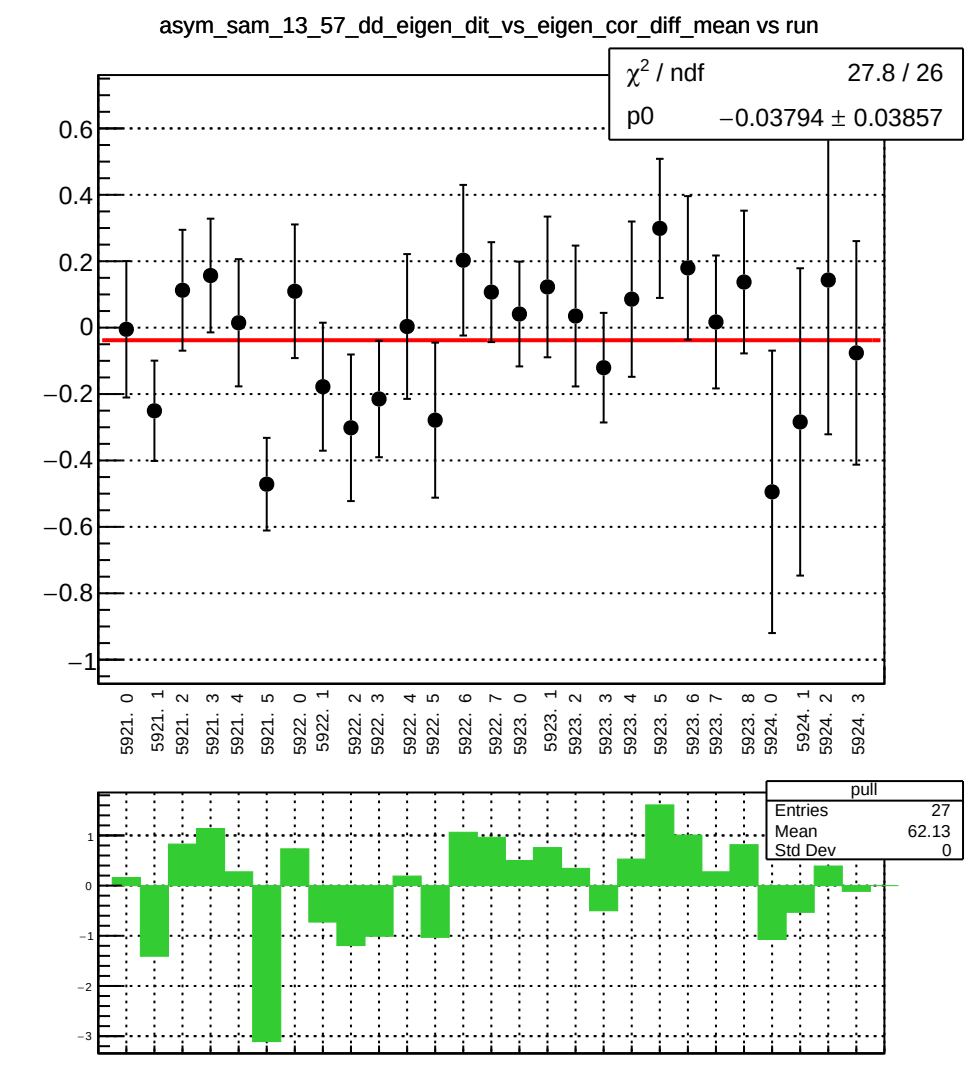

pull1D
Entries 27
Mean −0.02449
Std Dev 0.8135

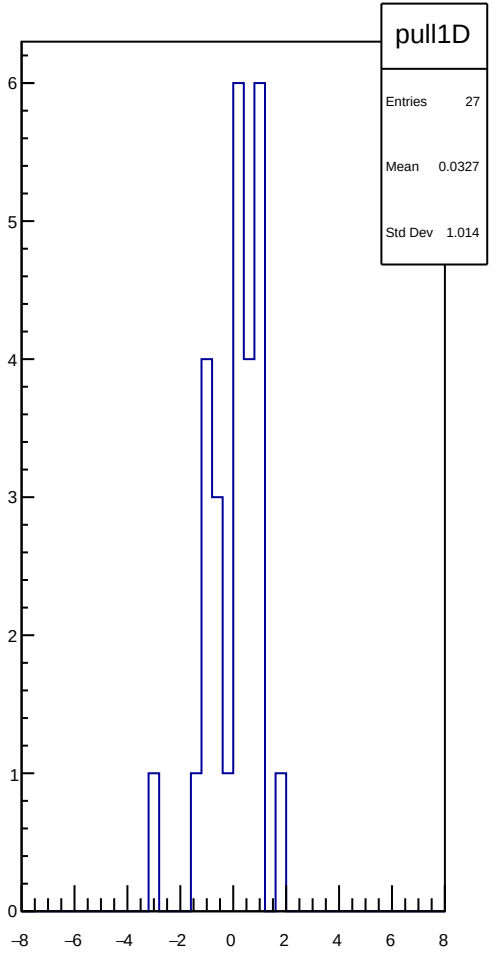

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 2934 / 26
p0 0.0006727 ± 9.381e−07
0.8
0.75
0.7
0.65
0.6
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

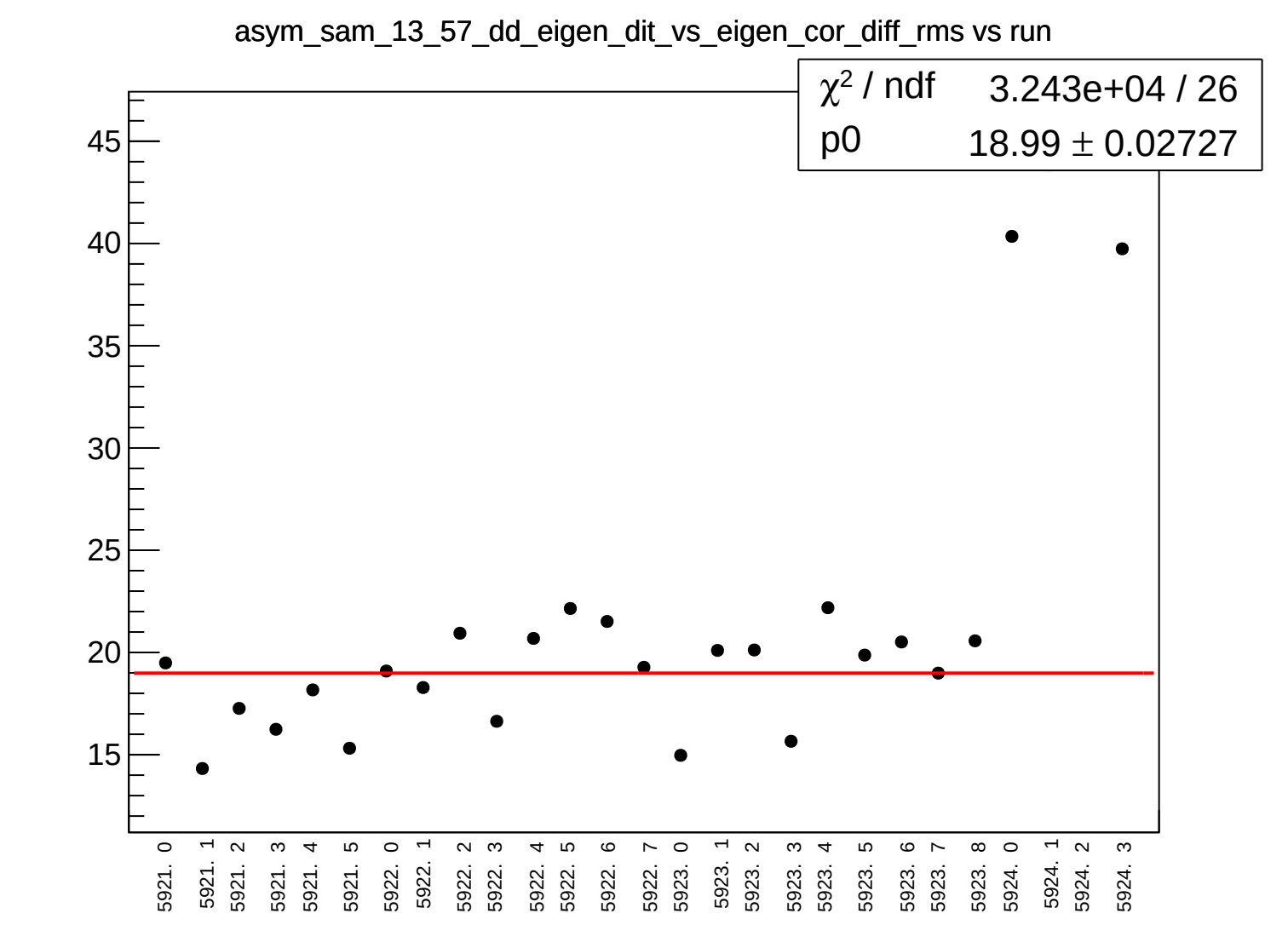

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 27.8 / 26
p0 −0.03794 ± 0.03857
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 62.13
Std Dev 0
1
0
−1
−2
−3

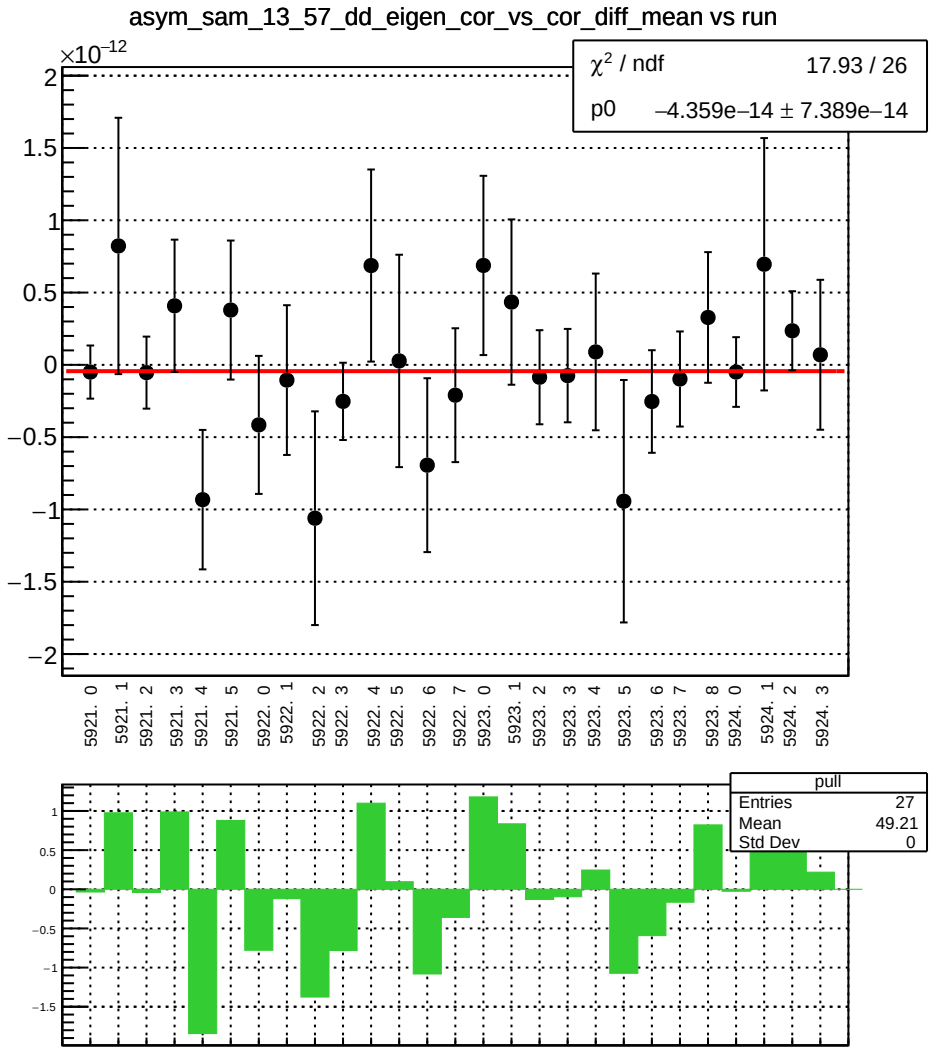

pull1D
Entries 27
Mean 0.0327
Std Dev 1.014
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

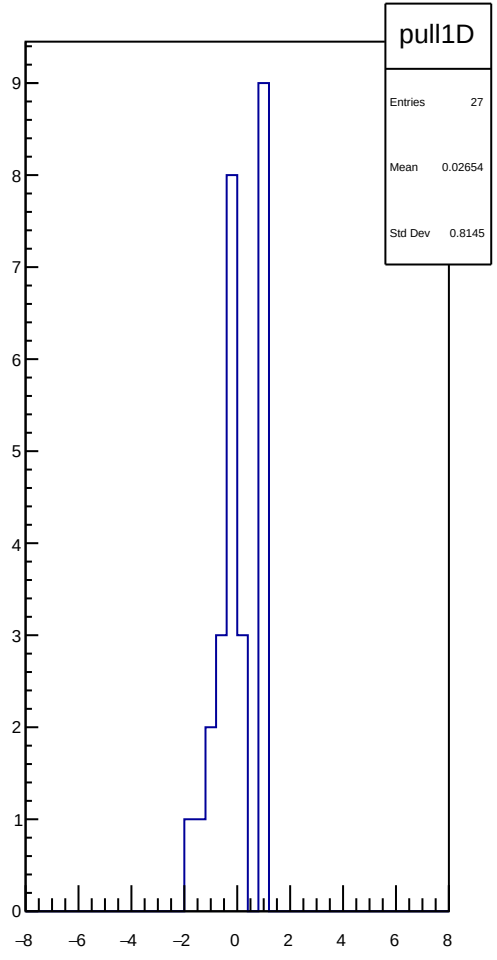

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.243e+04 / 26
p0 18.99 ± 0.02727
45
40
35
30
25
20
15
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

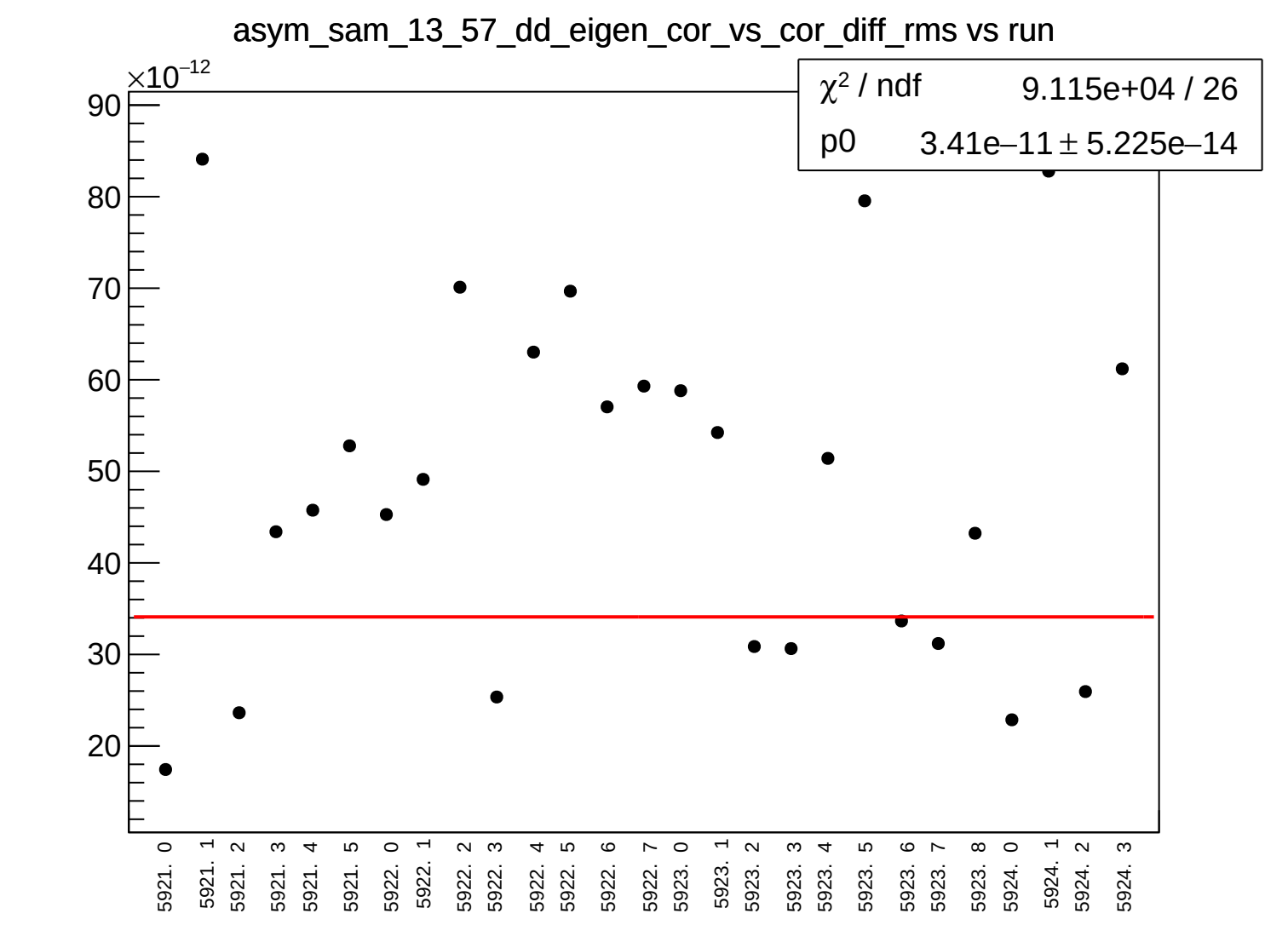

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 27.8 / 26
p0 −0.03794 ± 0.03857
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 62.13
Std Dev 0
1
0
−1
−2
−3

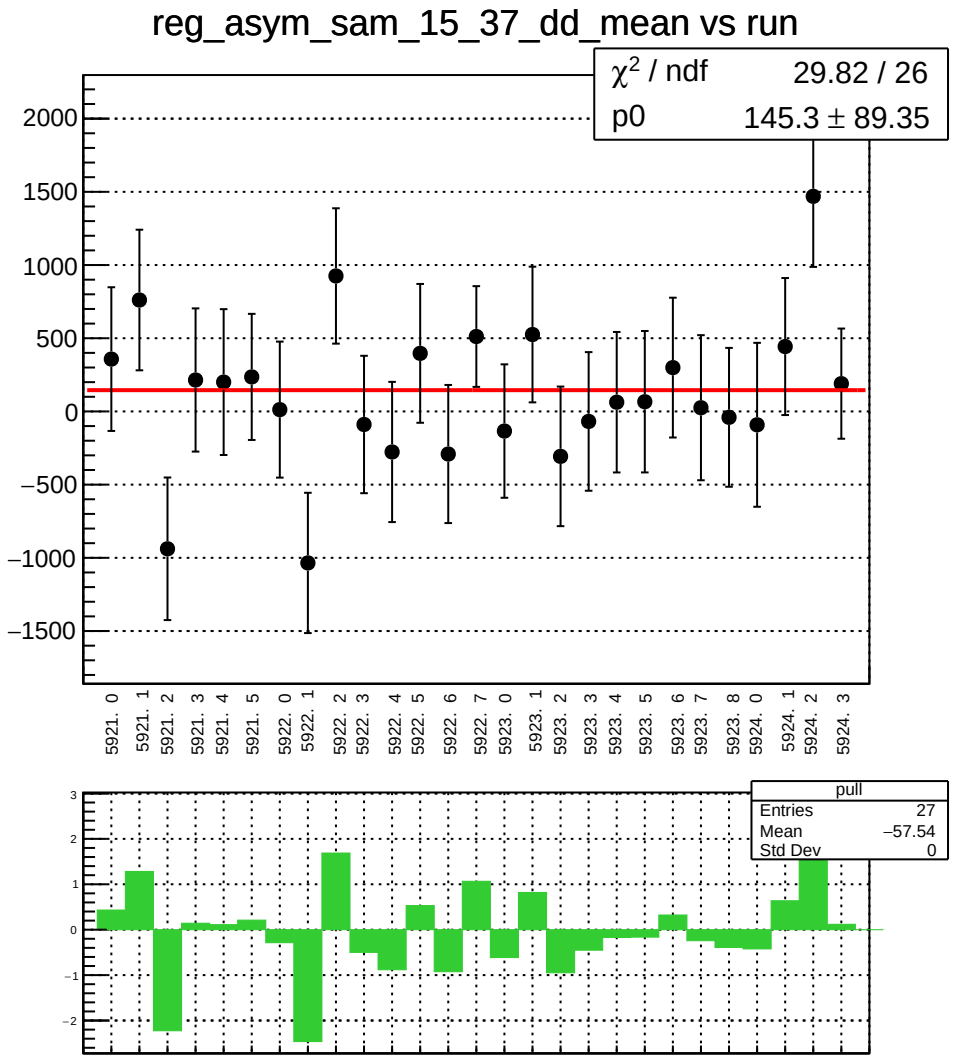

pull1D
Entries 27
Mean 0.0327
Std Dev 1.014
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

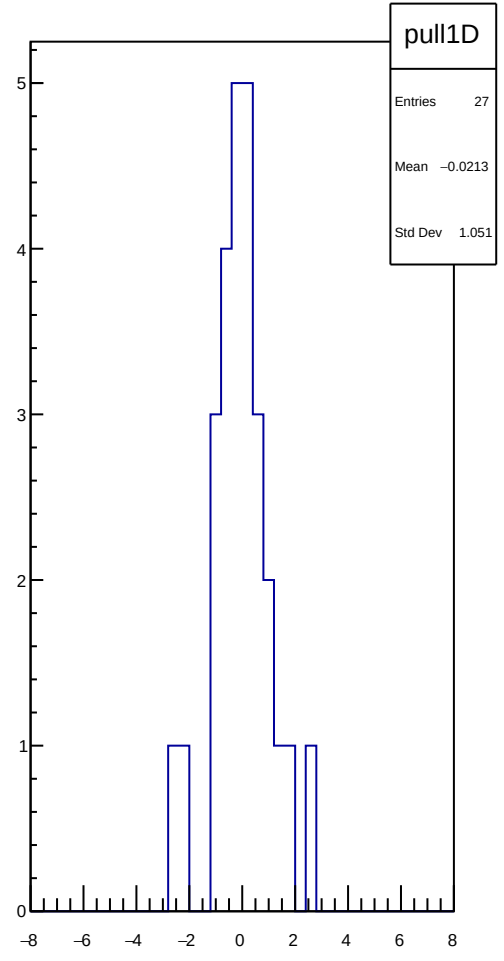

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.243e+04 / 26
p0 18.99 ± 0.02727
45
40
35
30
25
20
15
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

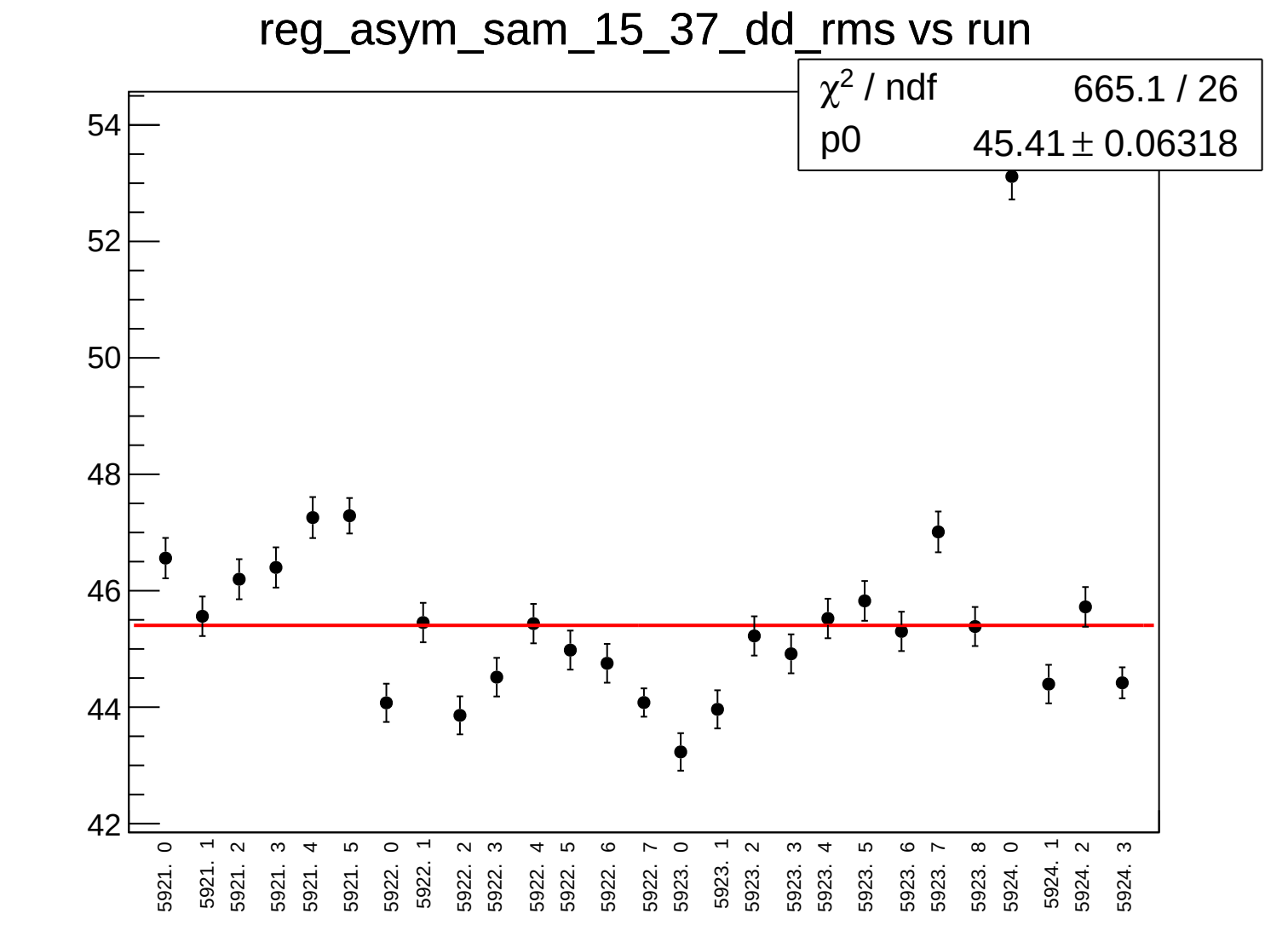

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_mean vs run
×10^−12
χ² / ndf 17.93 / 26
p0 −4.359e−14 ± 7.389e−14
pull
Entries 27
Mean 49.21
Std Dev 0

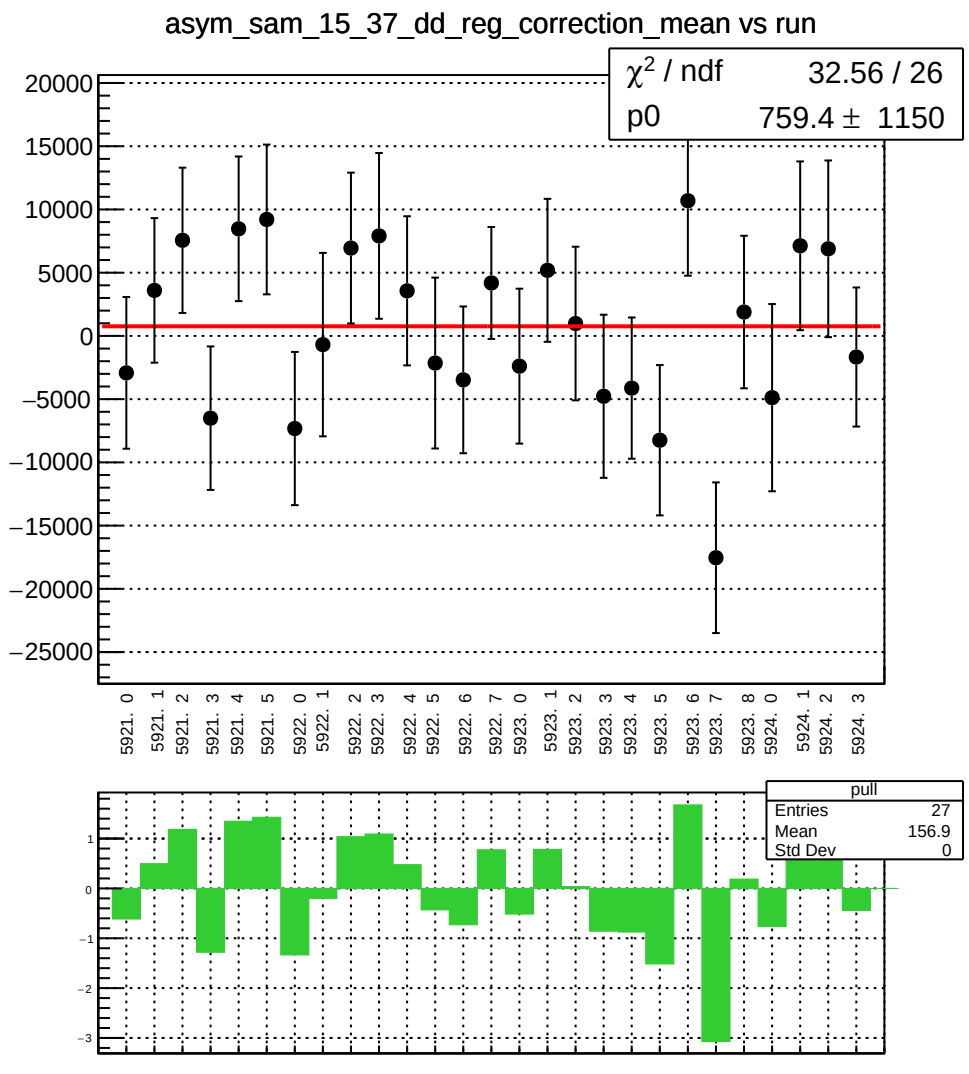

pull1D
Entries 27
Mean 0.02654
Std Dev 0.8145

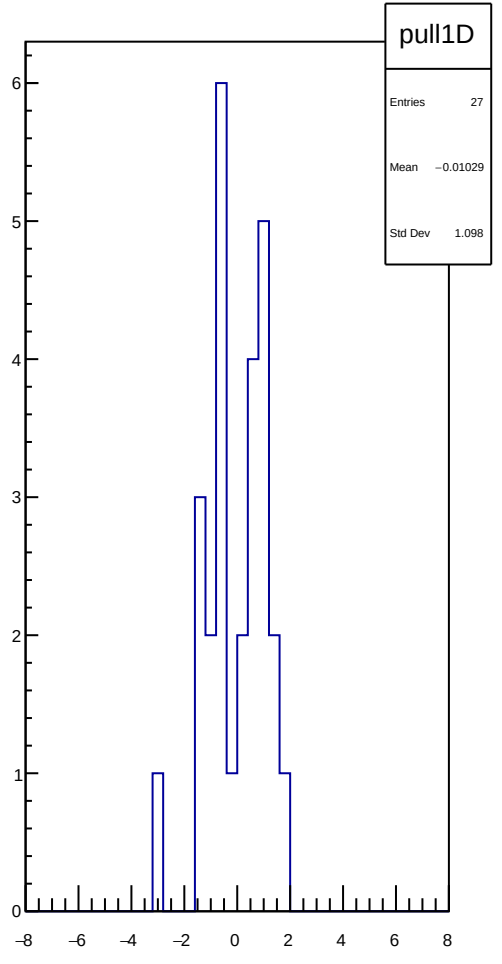

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 9.115e+04 / 26
p0 3.41e−11 ± 5.225e−14
90
80
70
60
50
40
30
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

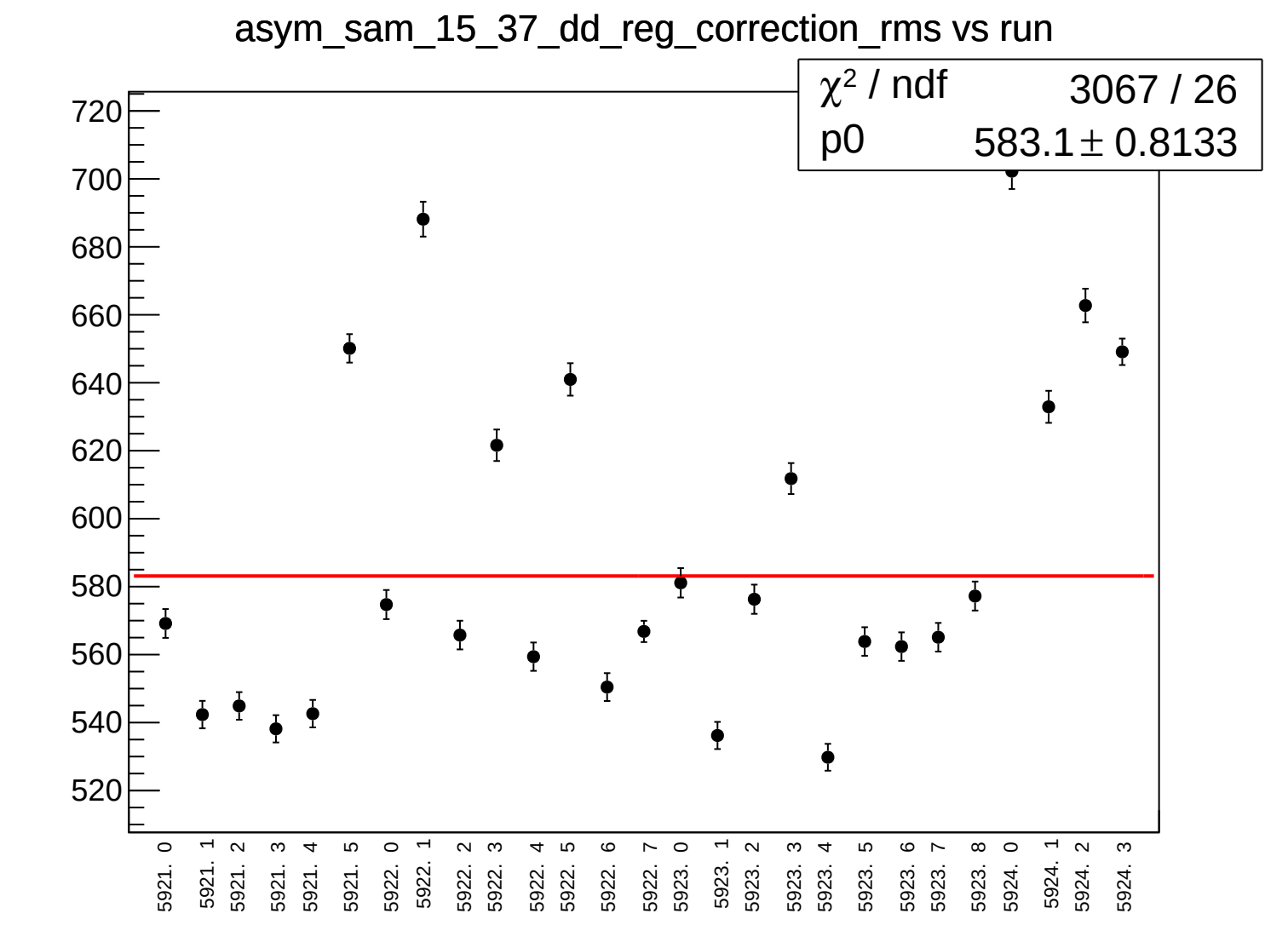

reg_asym_sam_15_37_dd_mean vs run
χ² / ndf 29.82 / 26
p0 145.3 ± 89.35
2000
1500
1000
500
0
−500
−1000
−1500
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −57.54
Std Dev 0
3
2
1
0
−1
−2

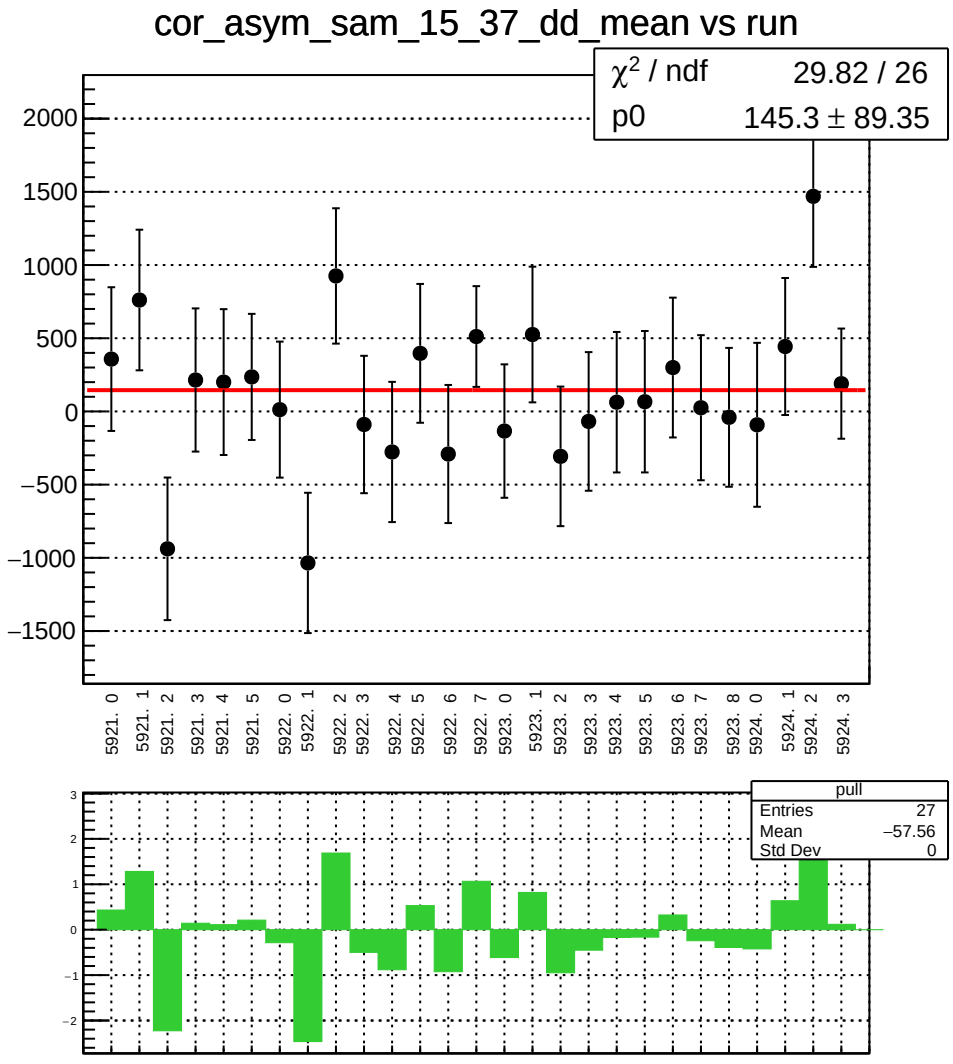

pull1D
Entries 27
Mean −0.0213
Std Dev 1.051
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

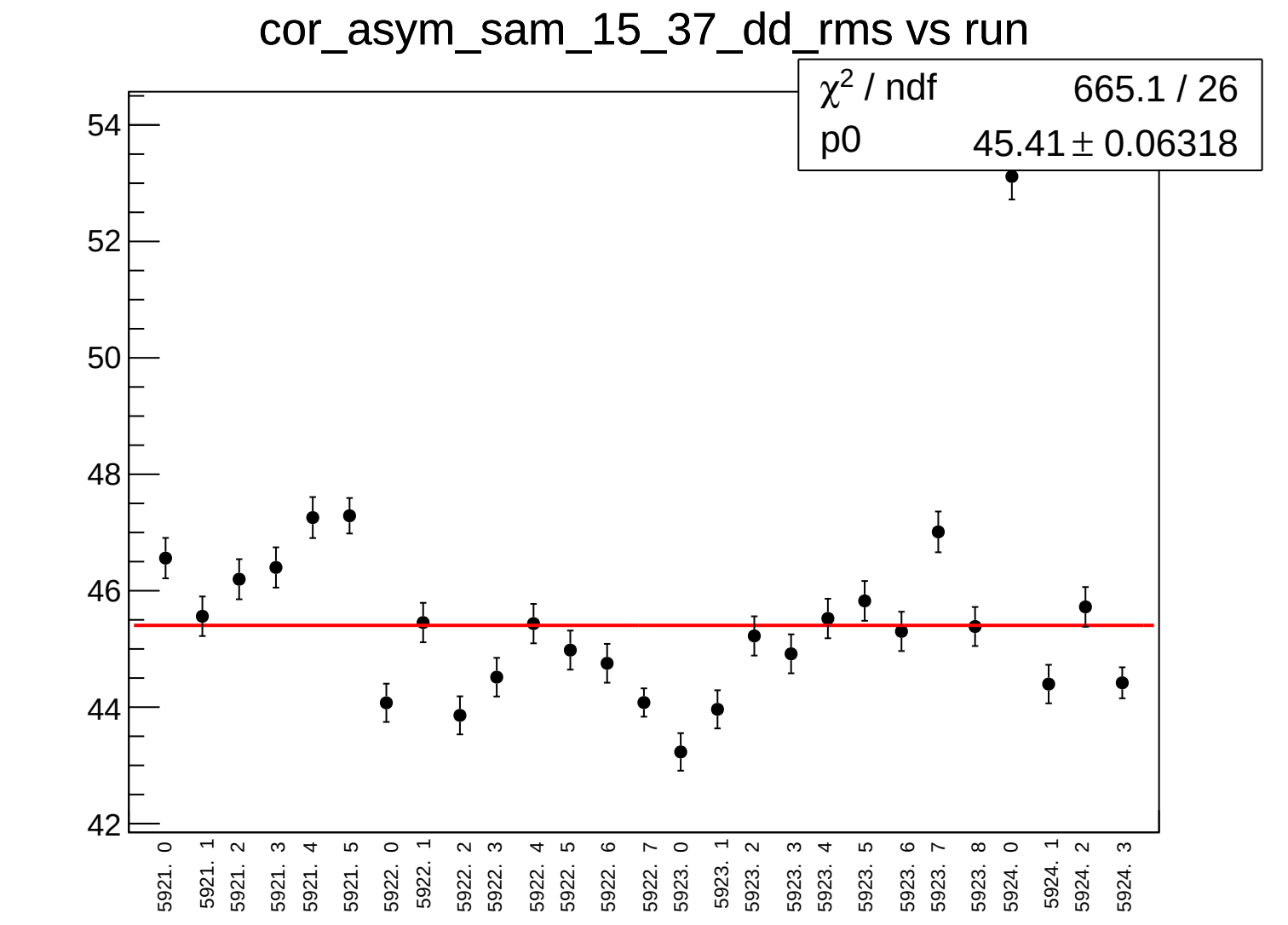

reg_asym_sam_15_37_dd_rms vs run
χ² / ndf 665.1 / 26
p0 45.41 ± 0.06318
54
52
50
48
46
44
42
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

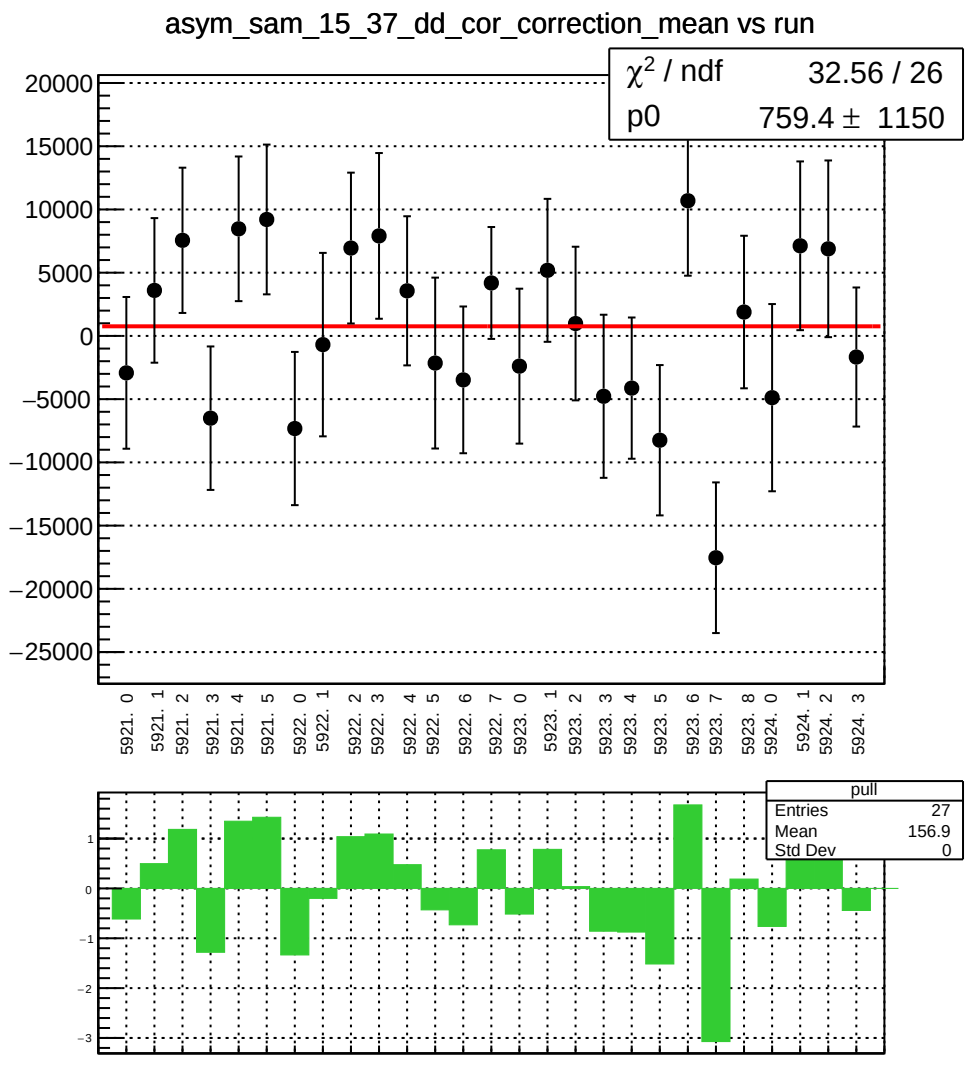

asym_sam_15_37_dd_reg_correction_mean vs run
χ² / ndf 32.56 / 26
p0 759.4 ± 1150
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 156.9
Std Dev 0
1
0
−1
−2
−3

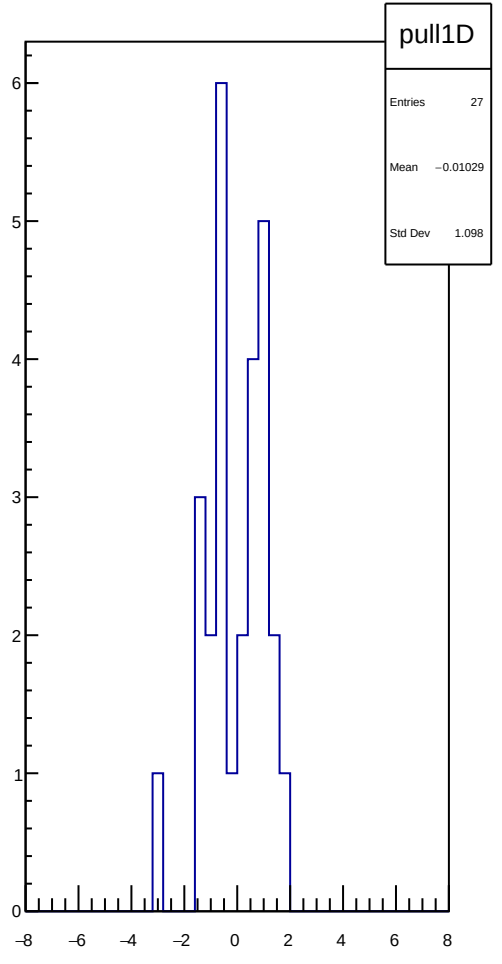

pull1D
Entries 27
Mean −0.01029
Std Dev 1.098
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

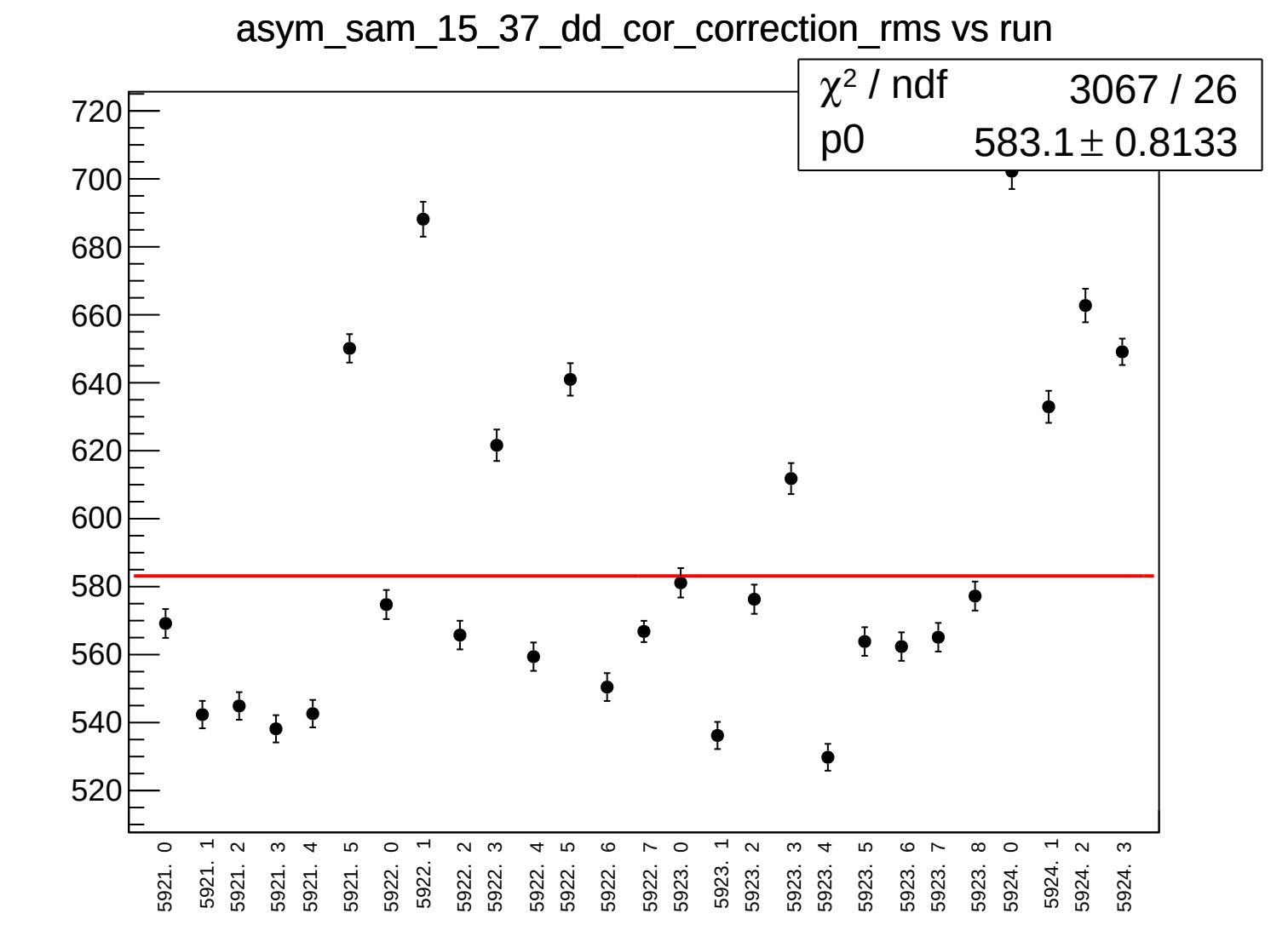

asym_sam_15_37_dd_reg_correction_rms vs run
χ² / ndf 3067 / 26
p0 583.1 ± 0.8133
720
700
680
660
640
620
600
580
560
540
520
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

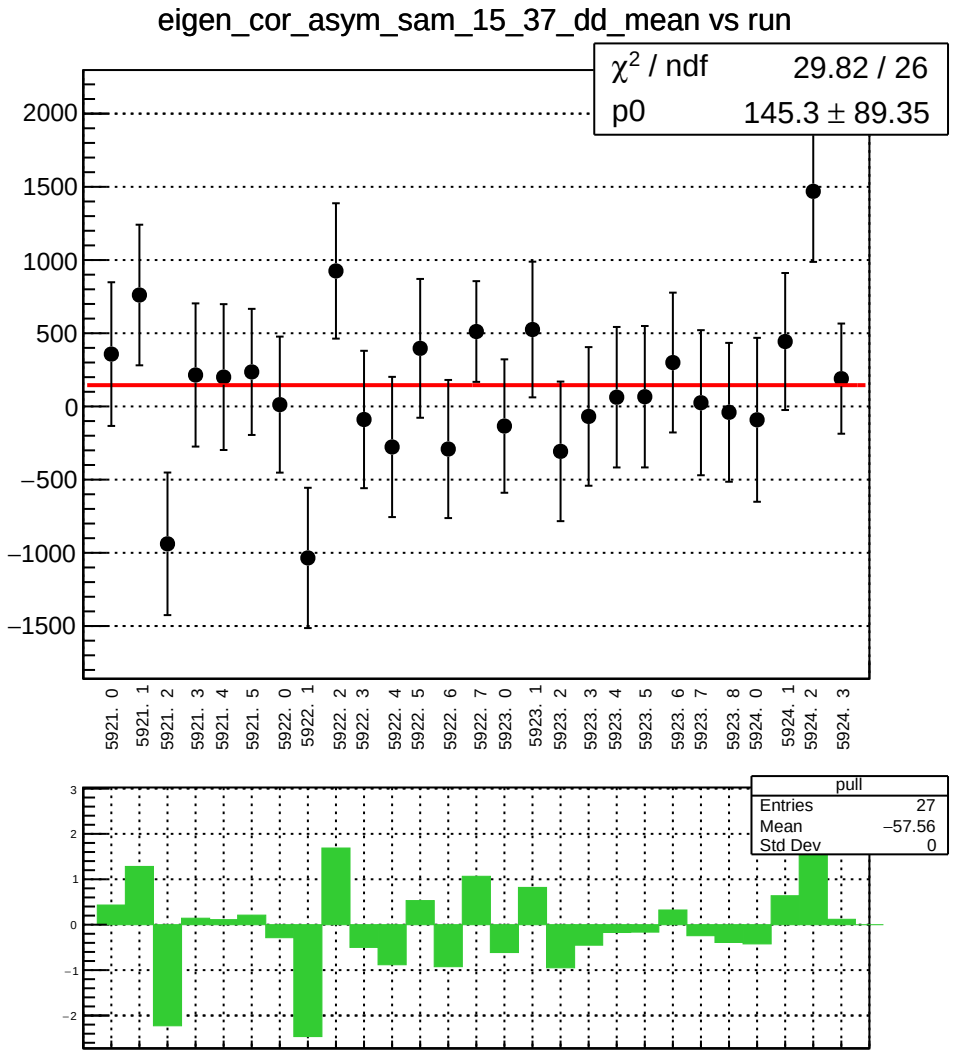

cor_asym_sam_15_37_dd_mean vs run
χ² / ndf 29.82 / 26
p0 145.3 ± 89.35
2000
1500
1000
500
0
−500
−1000
−1500
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −57.56
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 27
Mean −0.0213
Std Dev 1.051
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

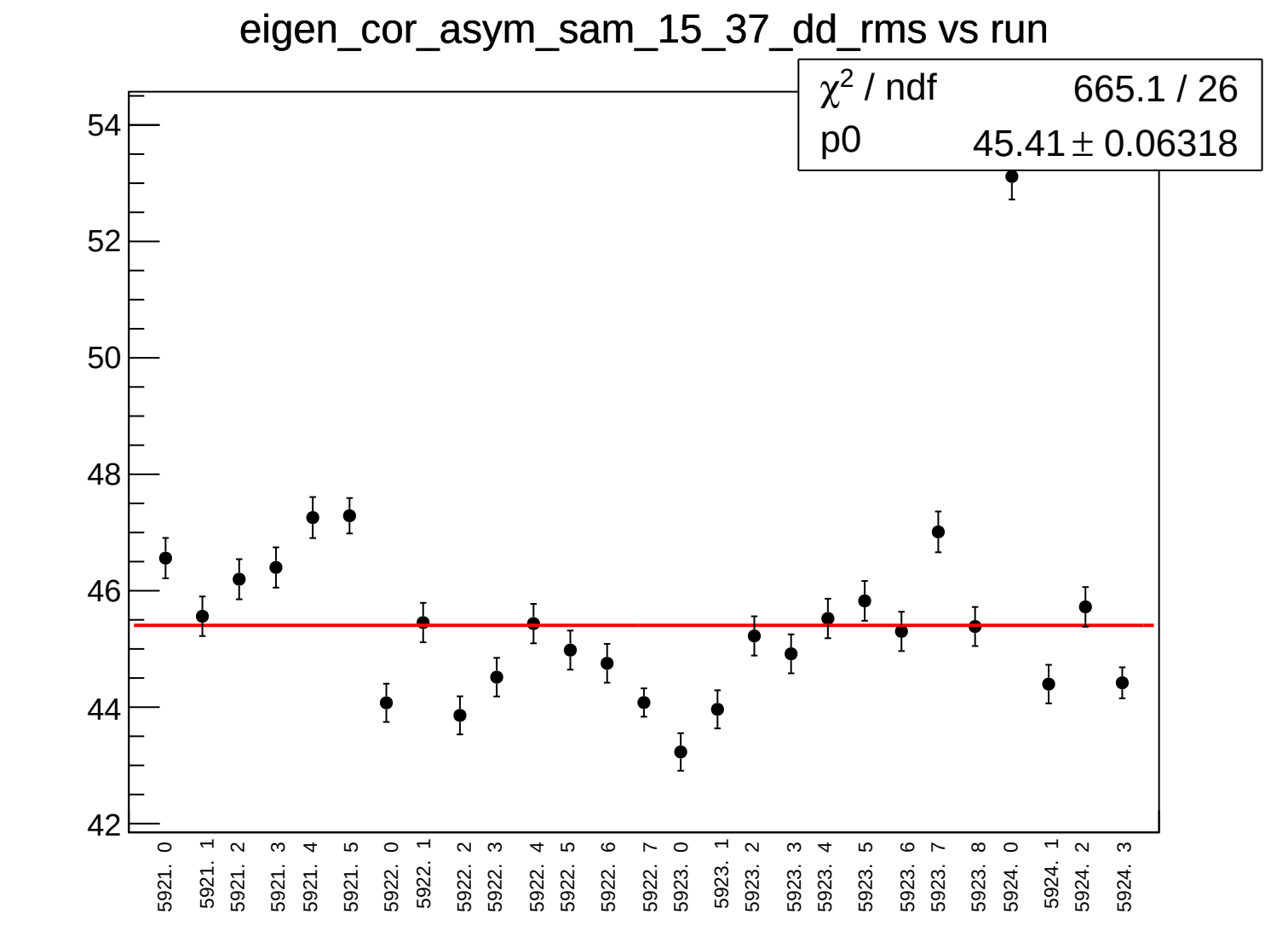

cor_asym_sam_15_37_dd_rms vs run
χ² / ndf 665.1 / 26
p0 45.41 ± 0.06318
54
52
50
48
46
44
42
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

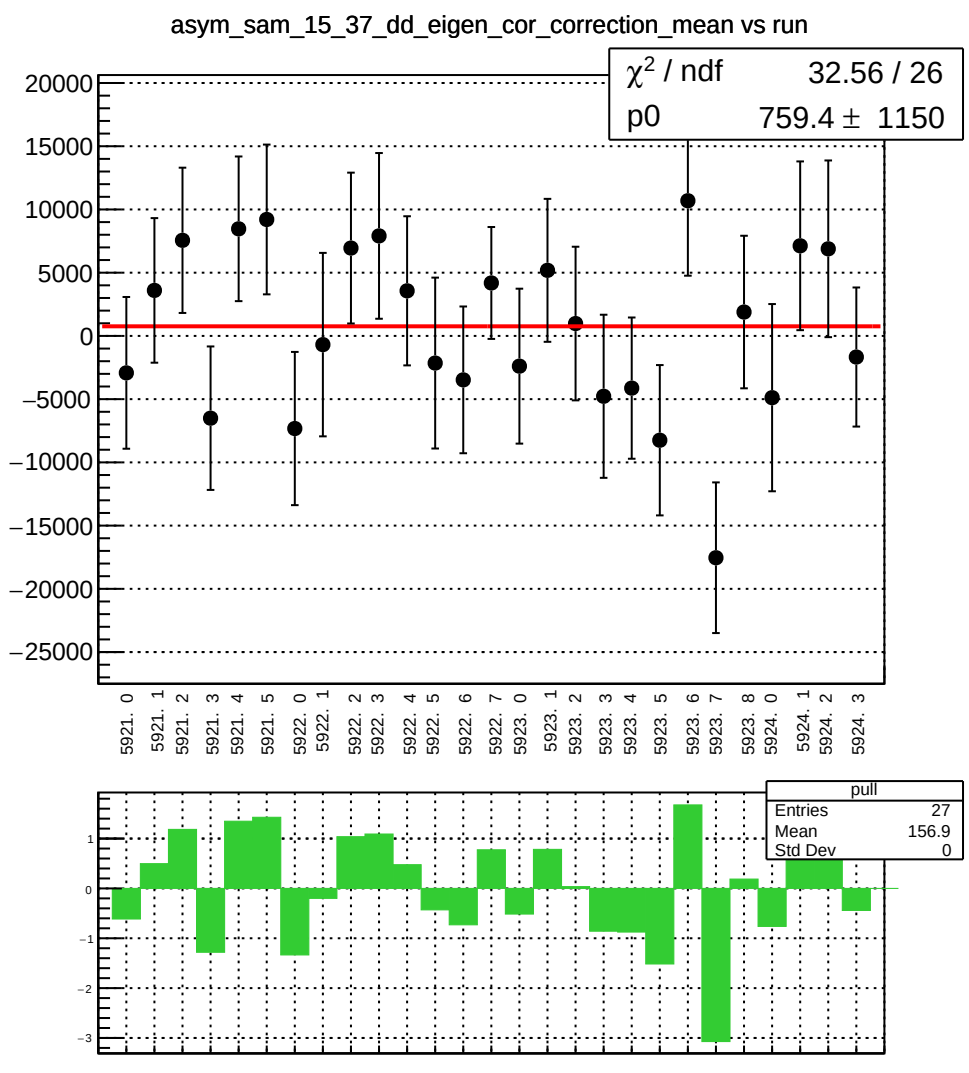

asym_sam_15_37_dd_cor_correction_mean vs run
χ² / ndf 32.56 / 26
p0 759.4 ± 1150
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 156.9
Std Dev 0
1
0
−1
−2
−3

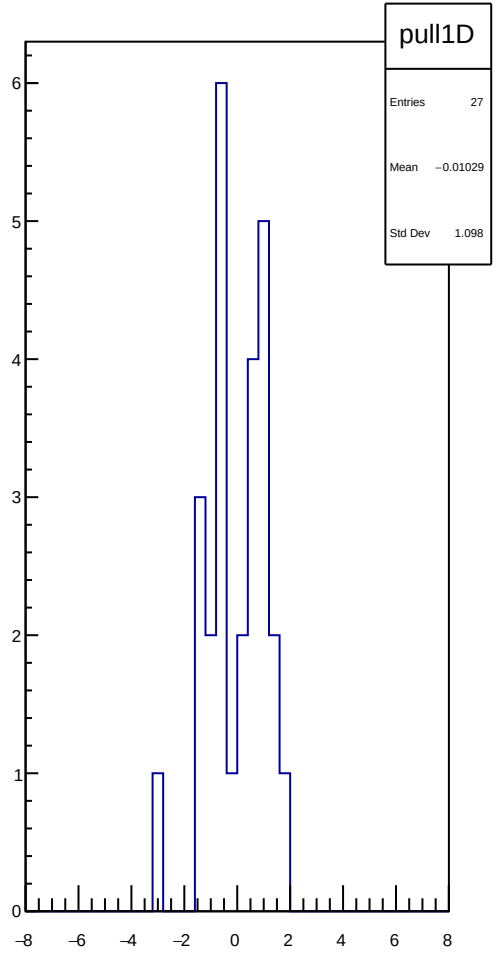

pull1D
Entries 27
Mean −0.01029
Std Dev 1.098
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

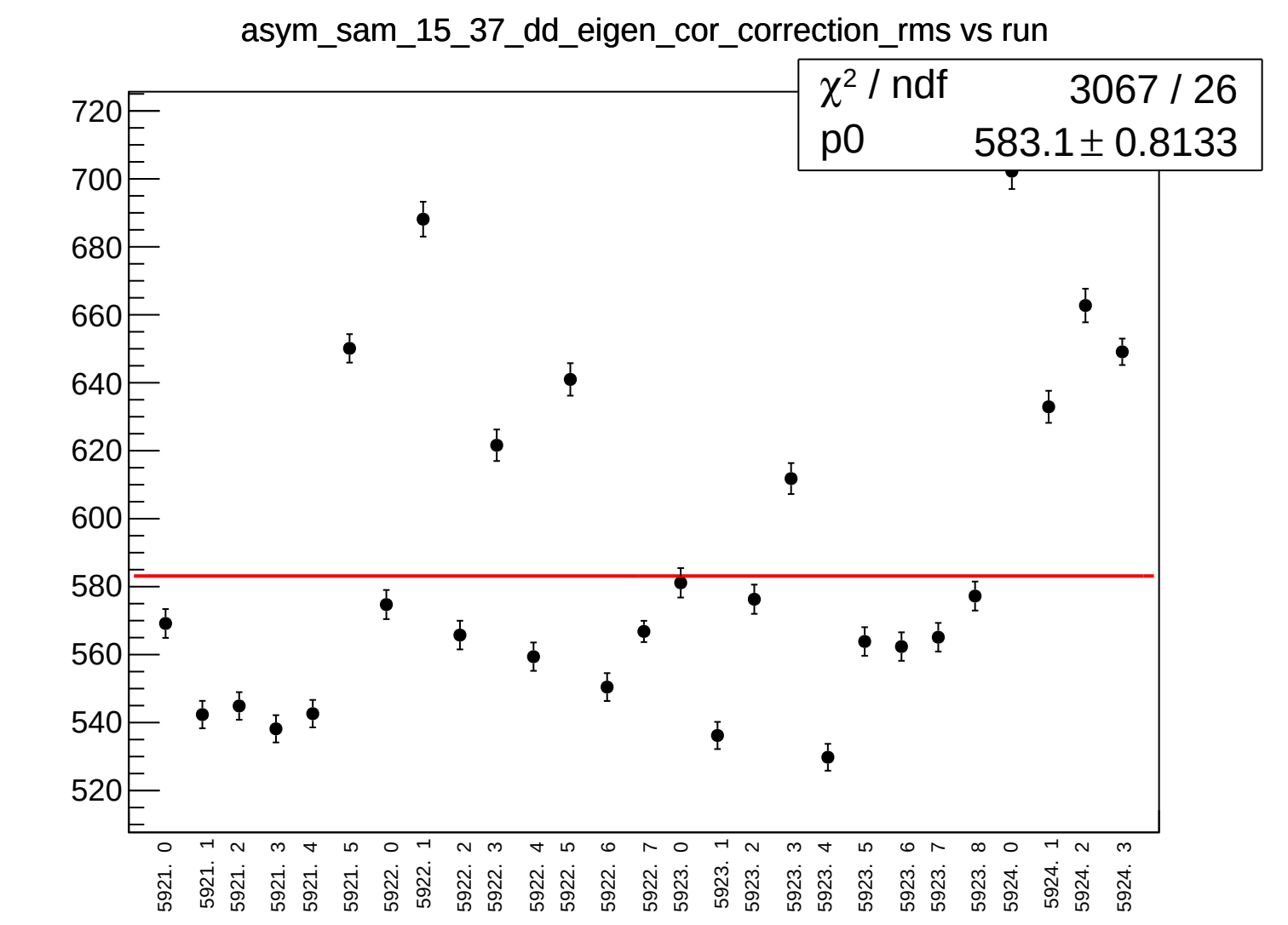

asym_sam_15_37_dd_cor_correction_rms vs run
χ² / ndf 3067 / 26
p0 583.1 ± 0.8133
720
700
680
660
640
620
600
580
560
540
520
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

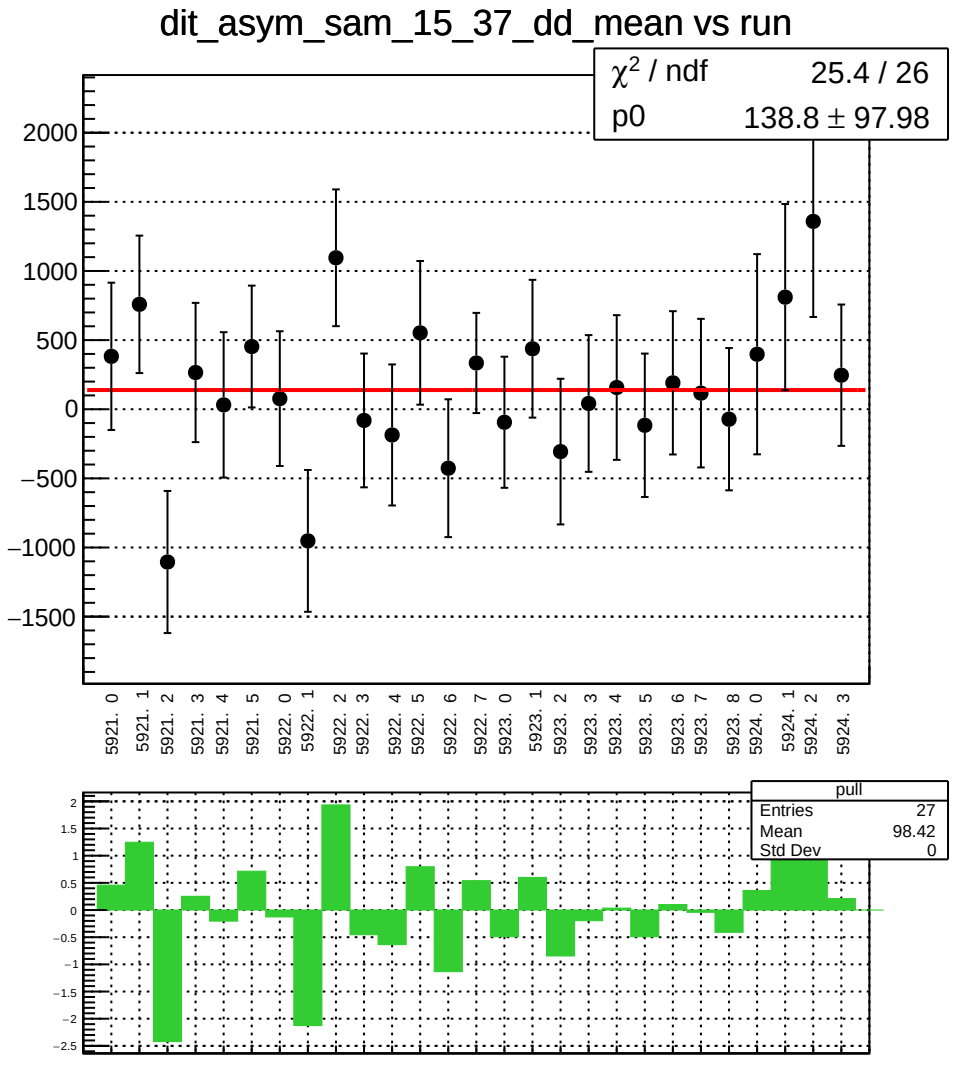

eigen_cor_asym_sam_15_37_dd_mean vs run
χ² / ndf 29.82 / 26
p0 145.3 ± 89.35
2000
1500
1000
500
0
−500
−1000
−1500
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −57.56
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 27
Mean −0.0213
Std Dev 1.051
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

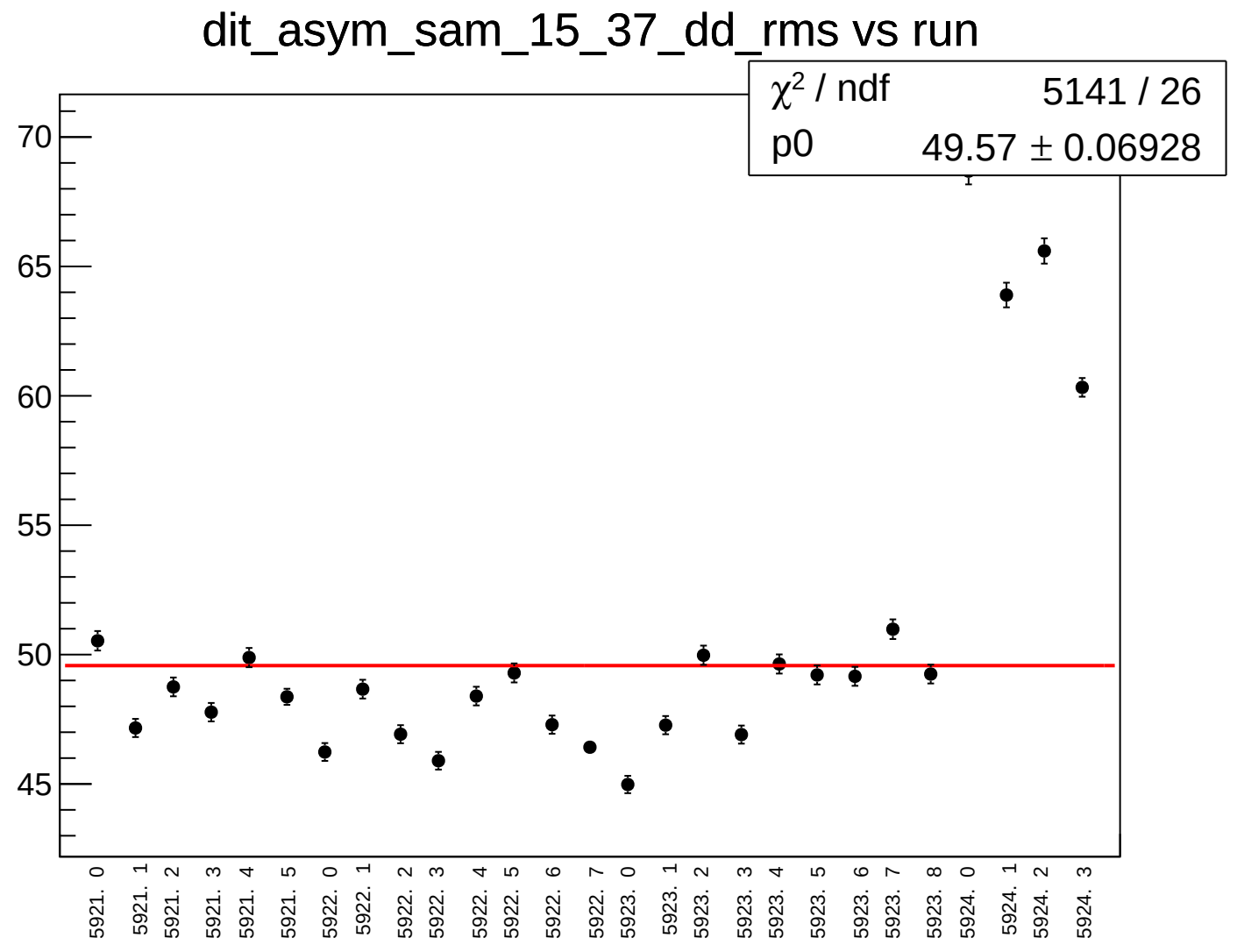

eigen_cor_asym_sam_15_37_dd_rms vs run
χ² / ndf 665.1 / 26
p0 45.41 ± 0.06318
54
52
50
48
46
44
42
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

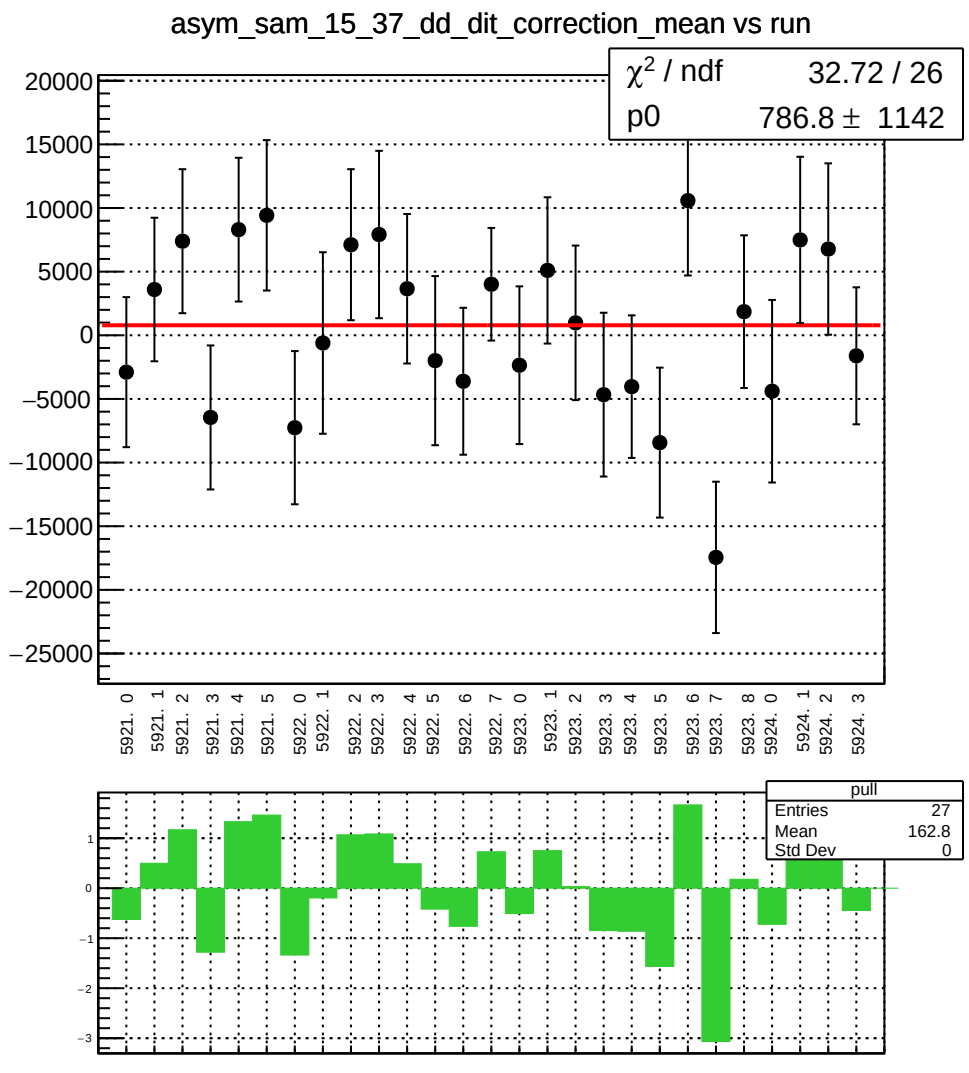

asym_sam_15_37_dd_eigen_cor_correction_mean vs run
χ² / ndf 32.56 / 26
p0 759.4 ± 1150
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 156.9
Std Dev 0
1
0
−1
−2
−3

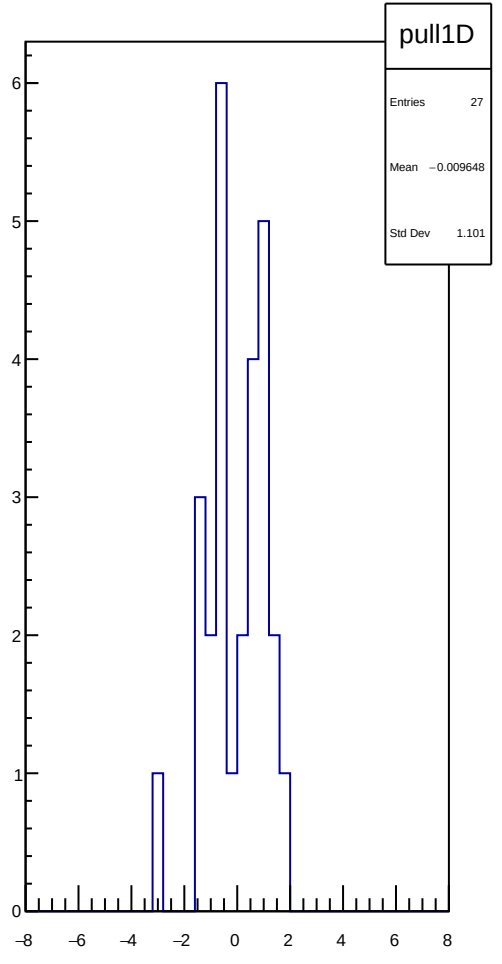

pull1D
Entries 27
Mean −0.01029
Std Dev 1.098
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

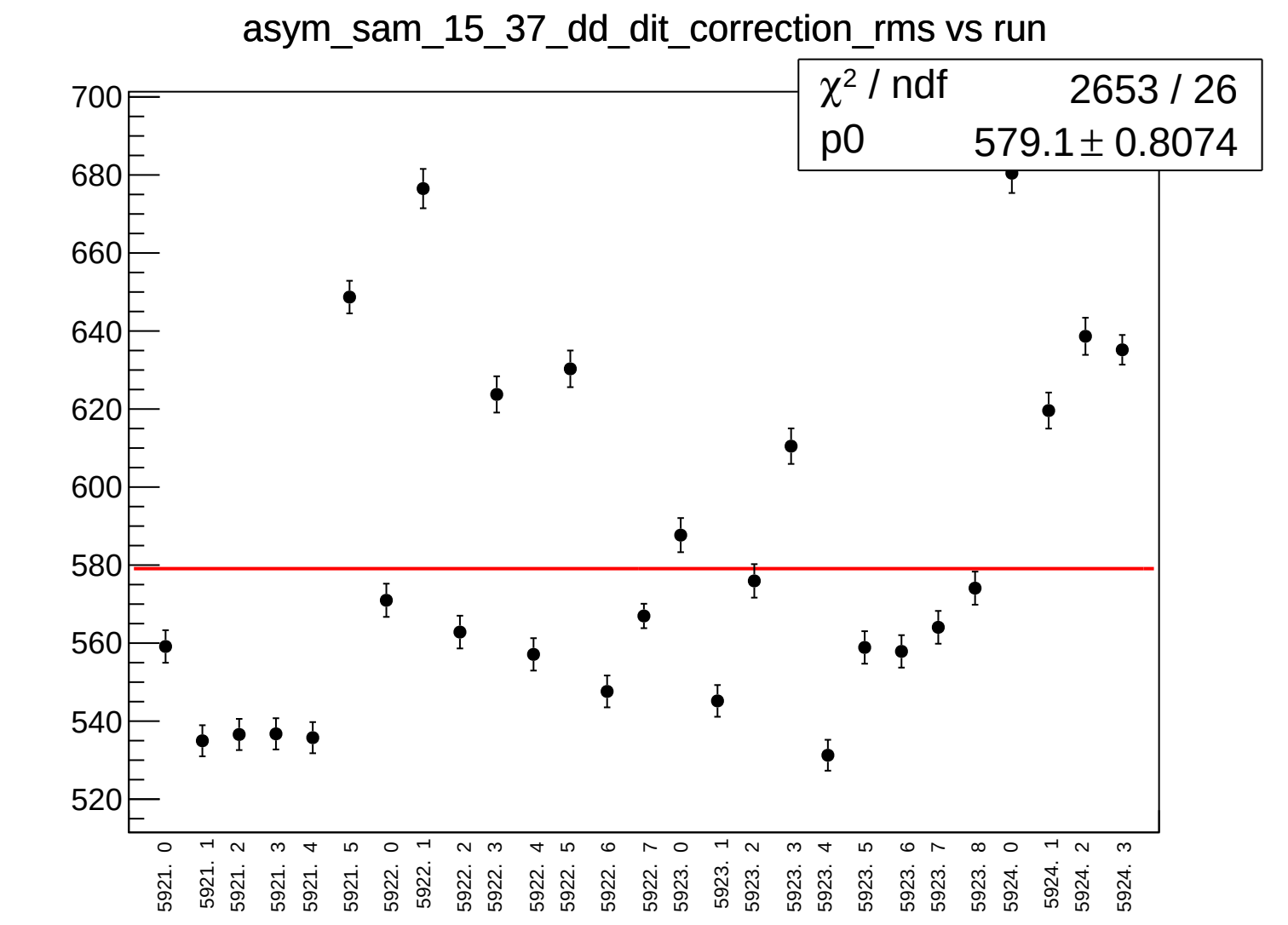

asym_sam_15_37_dd_eigen_cor_correction_rms vs run
χ² / ndf 3067 / 26
p0 583.1 ± 0.8133
720
700
680
660
640
620
600
580
560
540
520
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

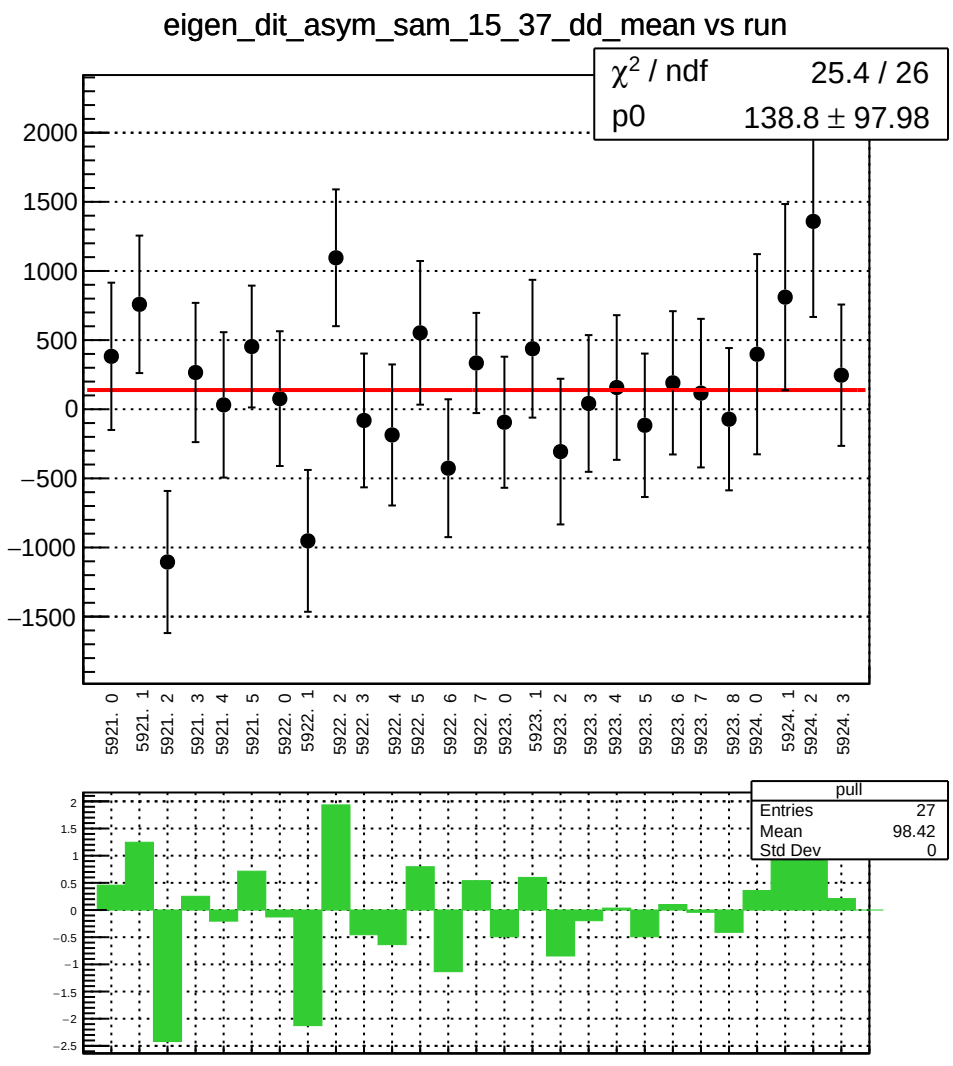

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 25.4 / 26
p0 138.8 ± 97.98
2000
1500
1000
500
0
−500
−1000
−1500
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 98.42
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean 0.01584
Std Dev 0.9697
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

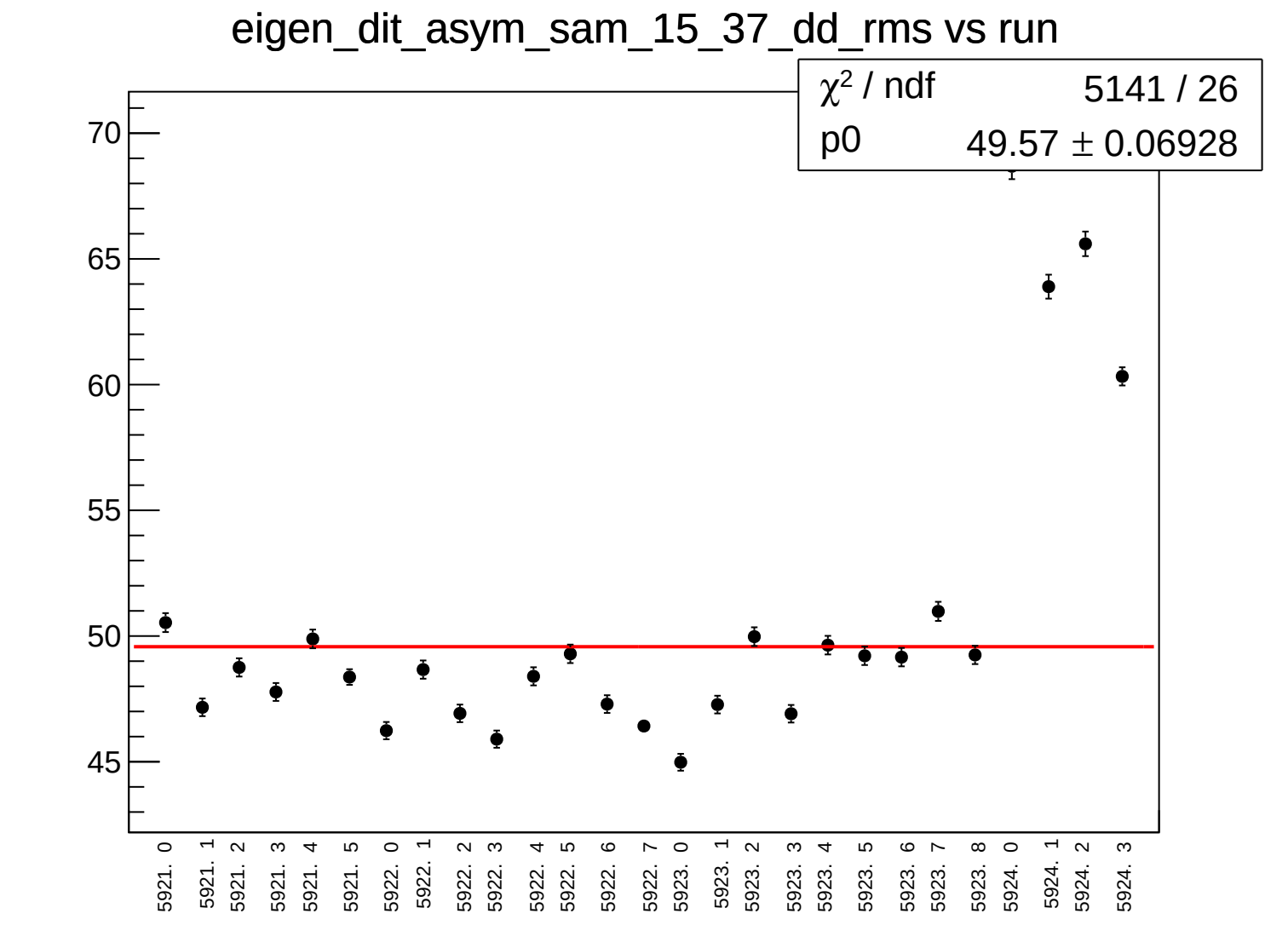

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 5141 / 26
p0 49.57 ± 0.06928
70
65
60
55
50
45
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

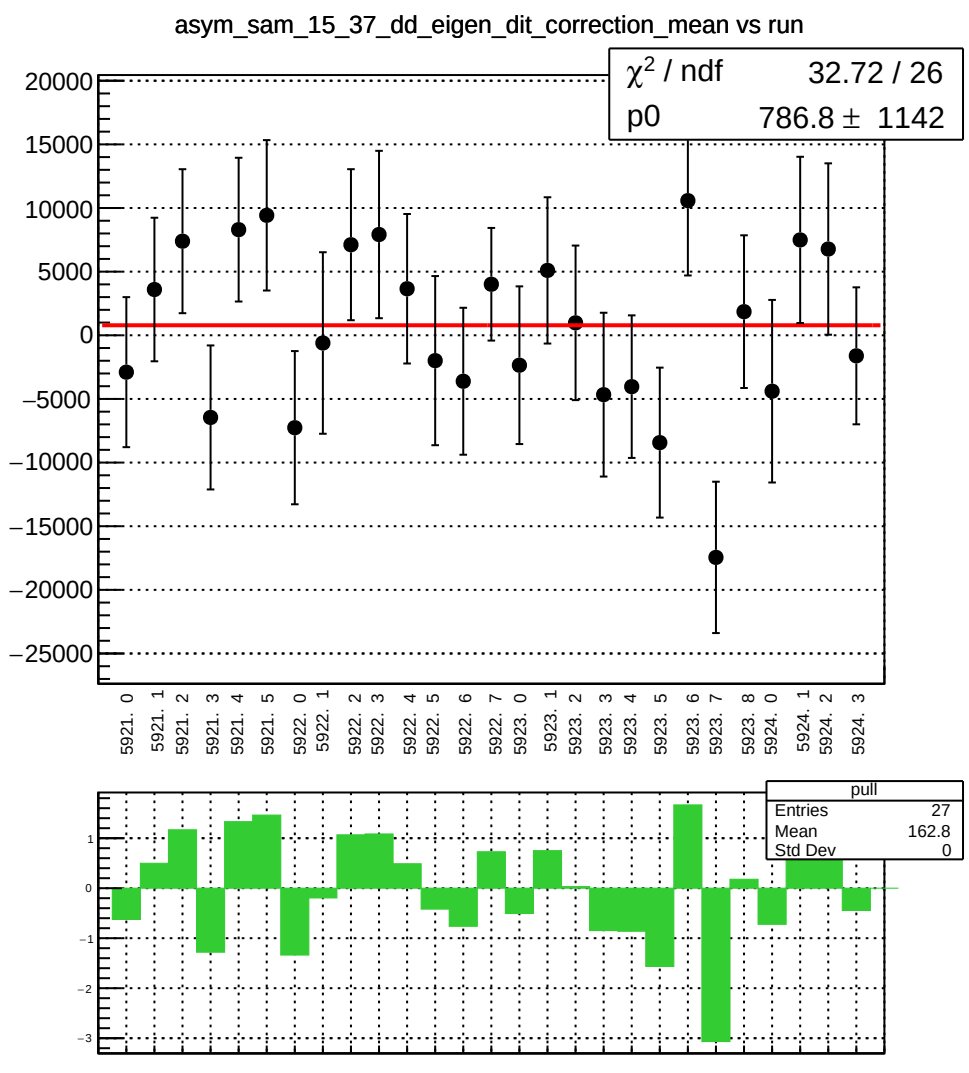

asym_sam_15_37_dd_dit_correction_mean vs run
χ² / ndf 32.72 / 26
p0 786.8 ± 1142
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 162.8
Std Dev 0
1
0
−1
−2
−3

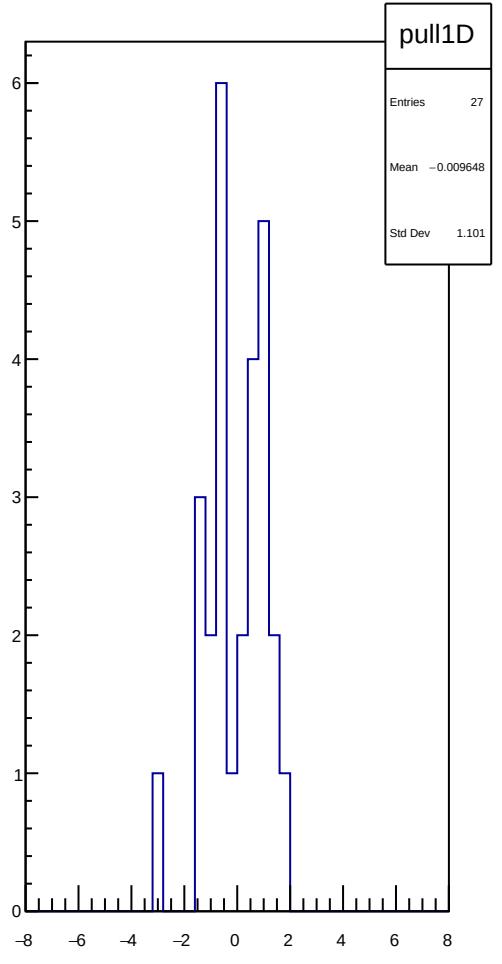

pull1D
Entries 27
Mean −0.009648
Std Dev 1.101
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

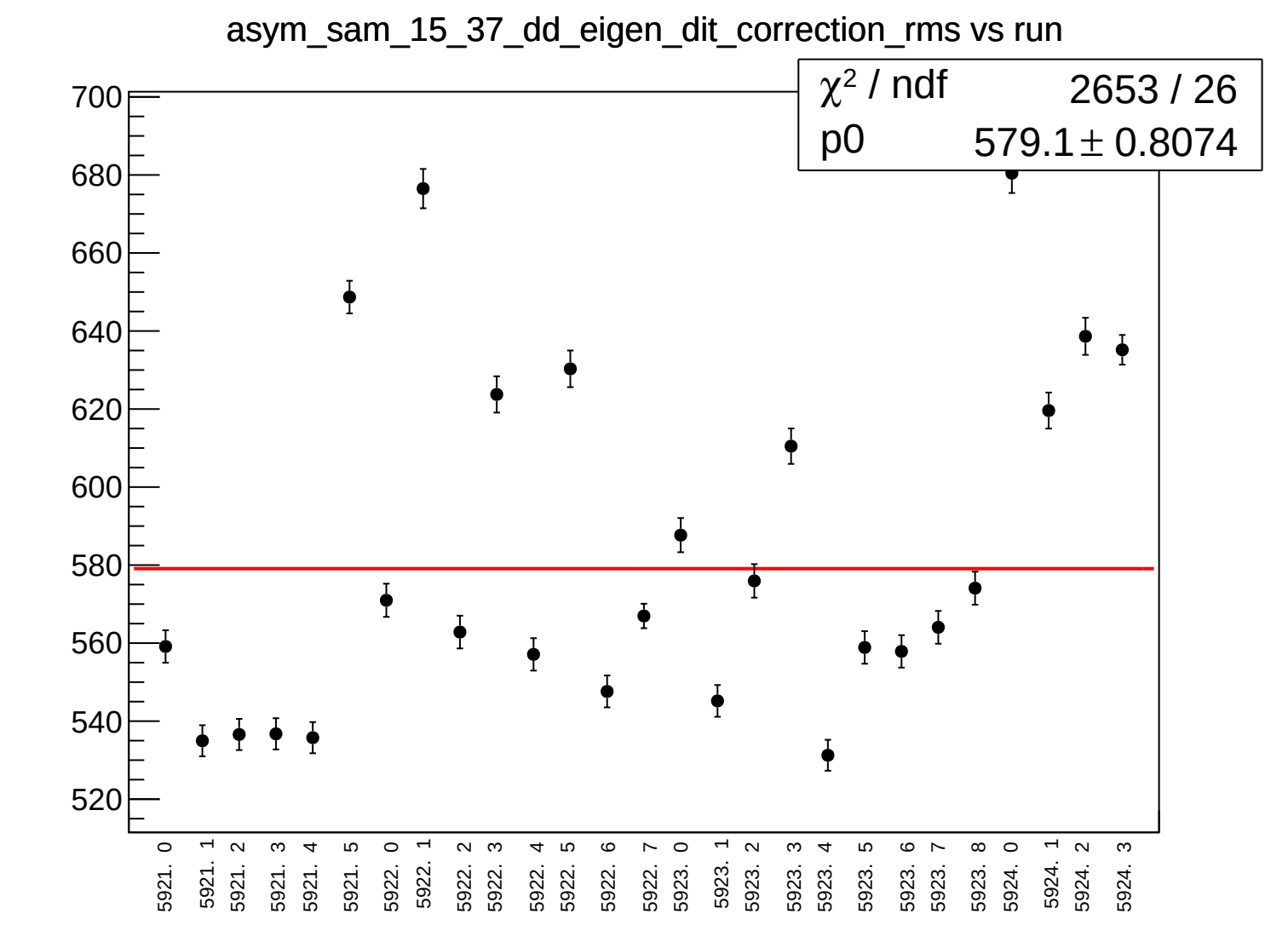

asym_sam_15_37_dd_dit_correction_rms vs run
χ² / ndf 2653 / 26
p0 579.1 ± 0.8074
700
680
660
640
620
600
580
560
540
520
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

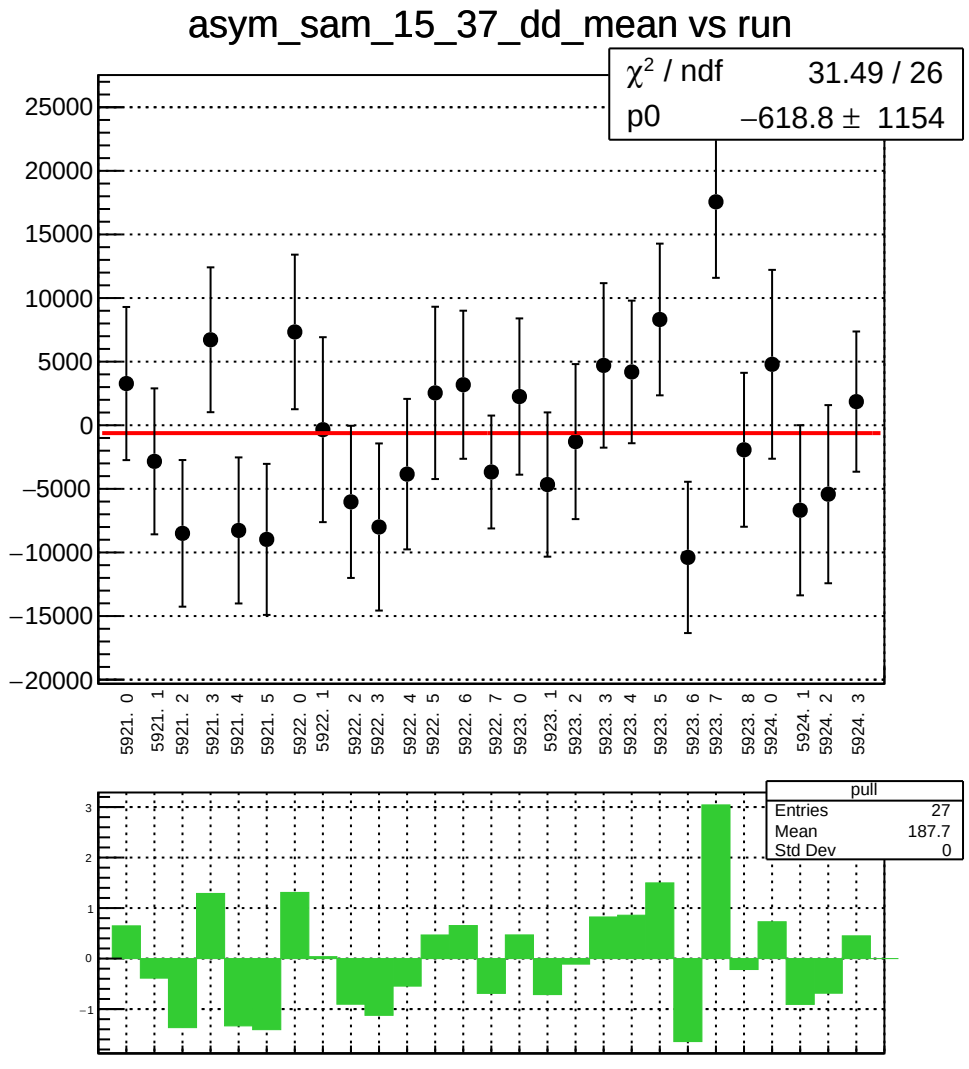

eigen_dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 25.4 / 26
p0 138.8 ± 97.98
2000
1500
1000
500
0
−500
−1000
−1500
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 98.42
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean 0.01584
Std Dev 0.9697
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

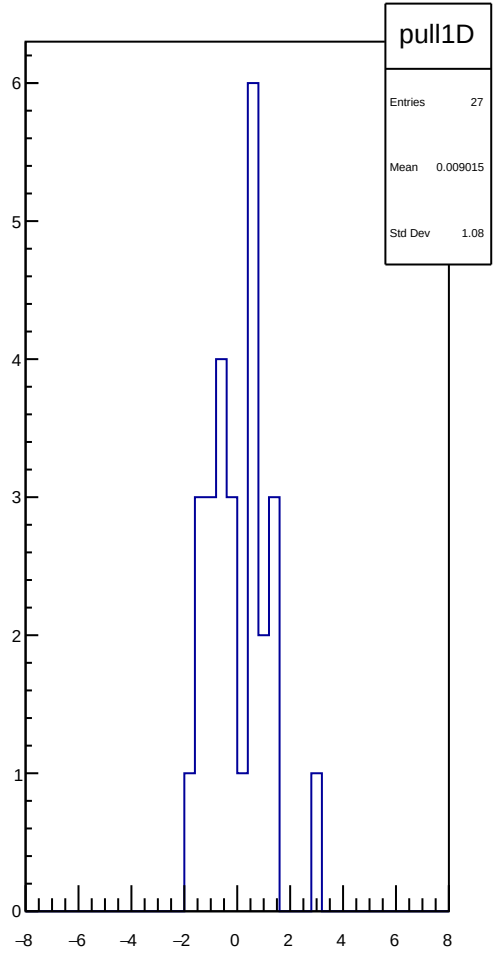

eigen_dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 5141 / 26
p0 49.57 ± 0.06928
70
65
60
55
50
45
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

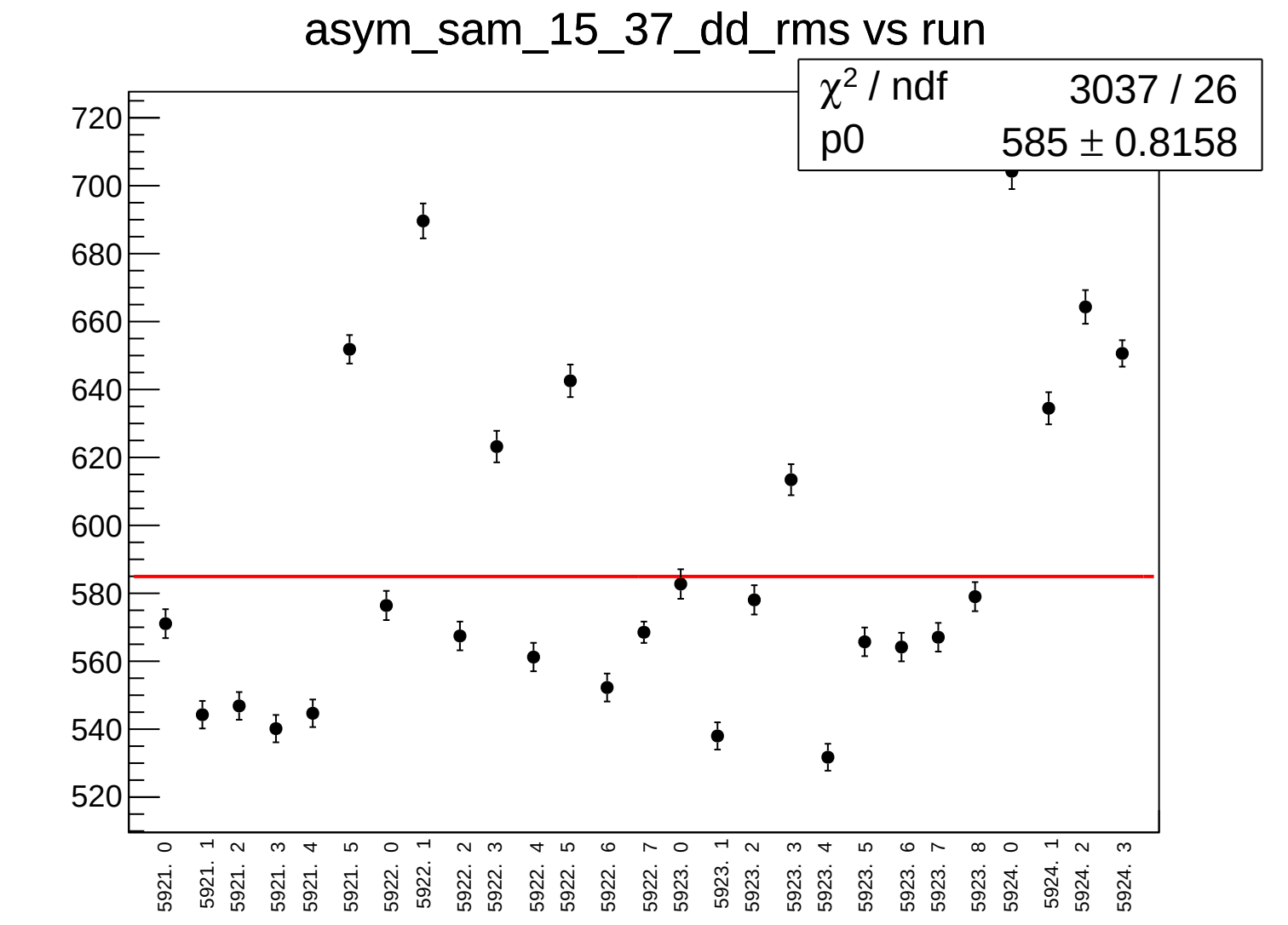

asym_sam_15_37_dd_eigen_dit_correction_mean vs run
χ² / ndf 32.72 / 26
p0 786.8 ± 1142
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 162.8
Std Dev 0
1
0
−1
−2
−3

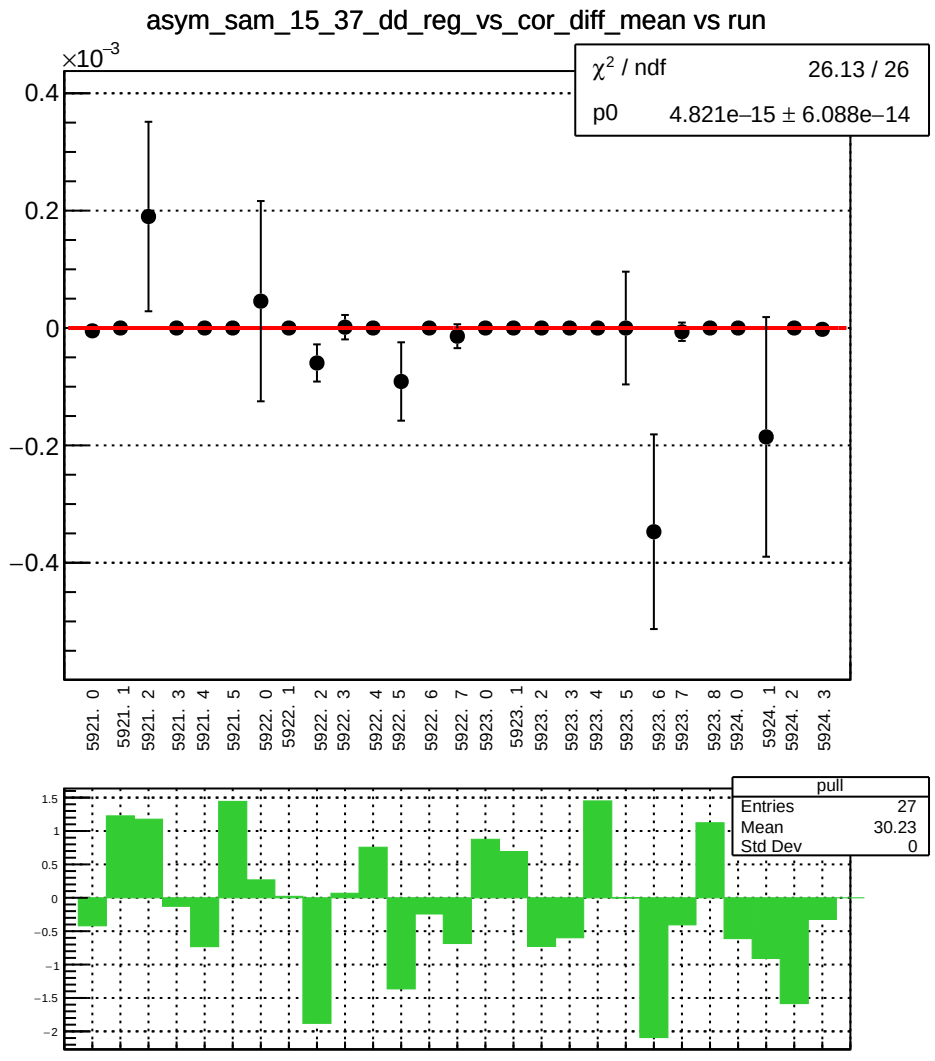

pull1D
Entries 27
Mean −0.009648
Std Dev 1.101
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

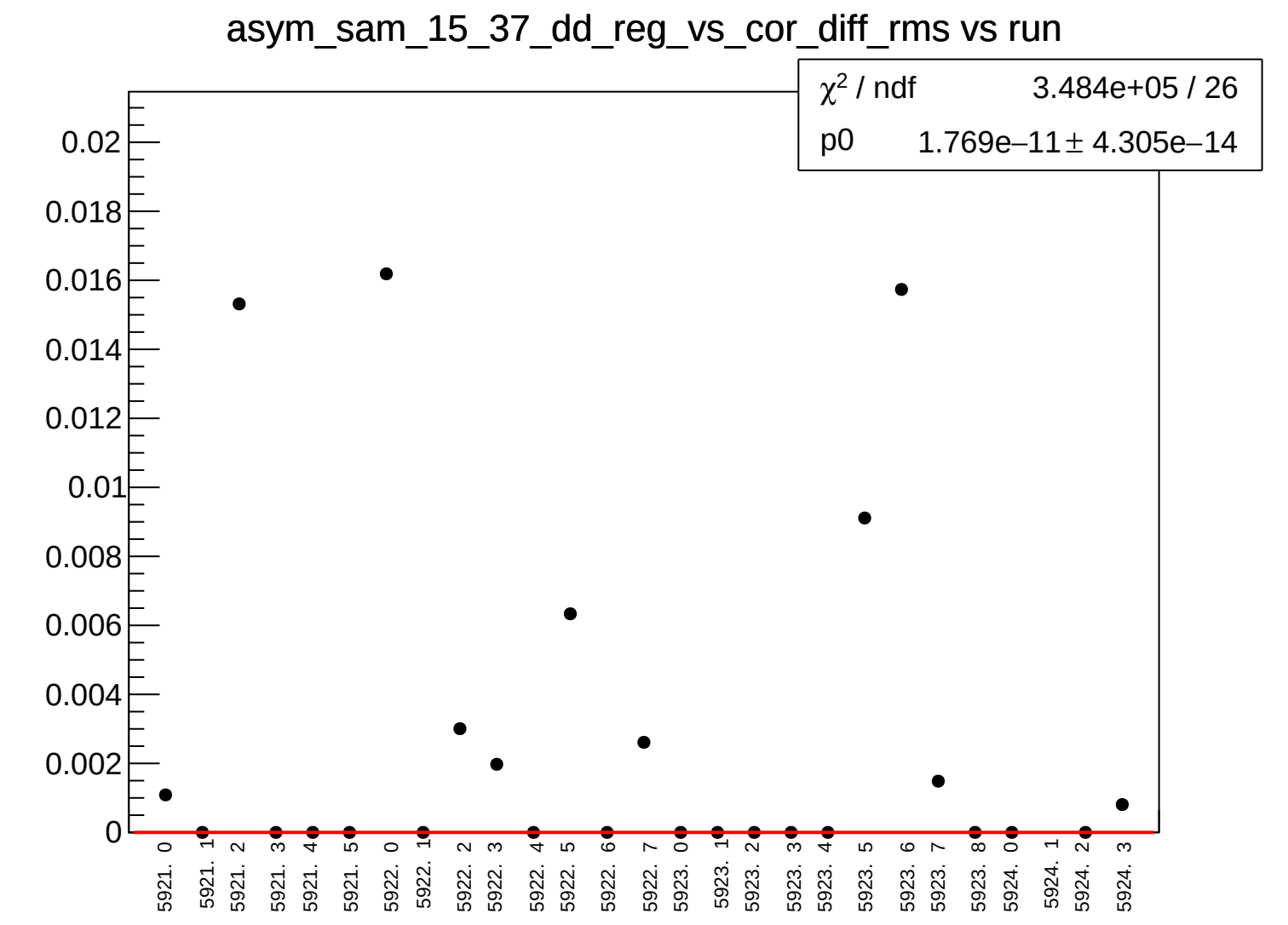

asym_sam_15_37_dd_eigen_dit_correction_rms vs run
χ² / ndf 2653 / 26
p0 579.1 ± 0.8074
700
680
660
640
620
600
580
560
540
520
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

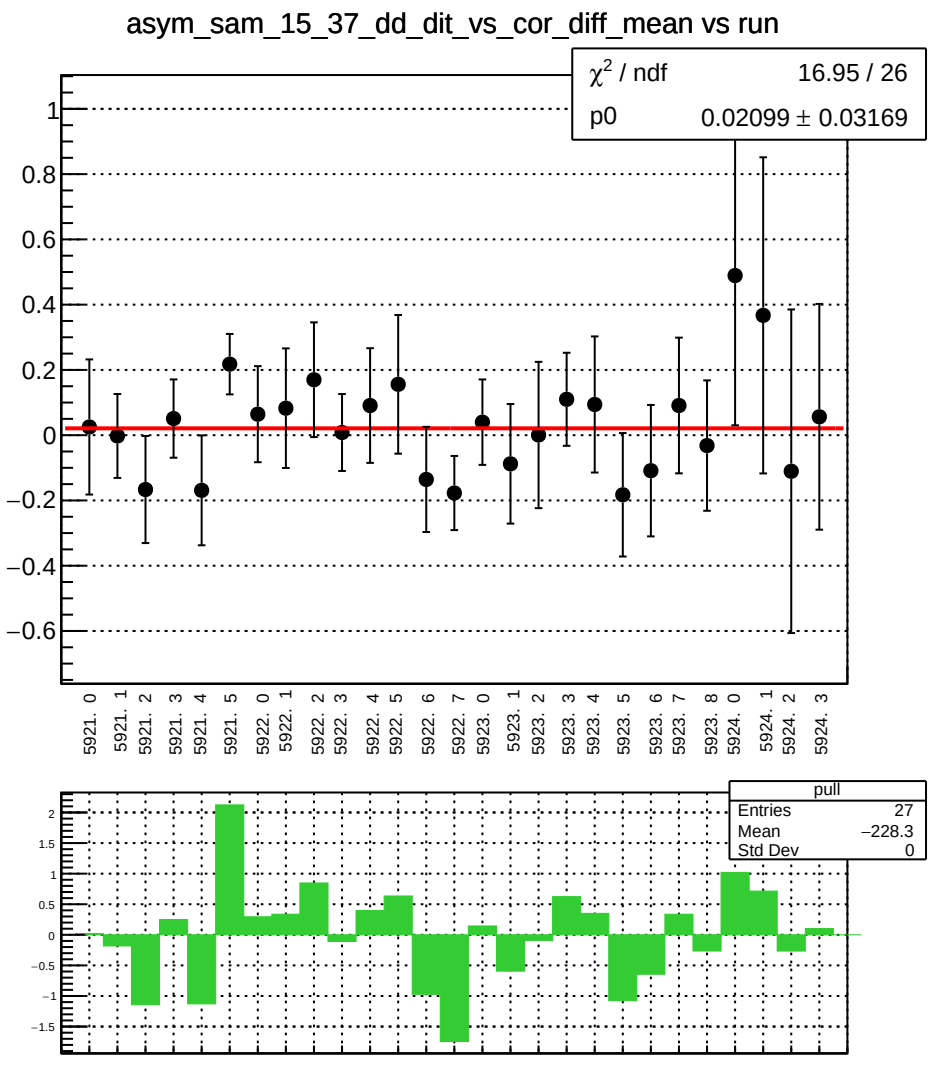

asym_sam_15_37_dd_mean vs run
χ² / ndf 31.49 / 26
p0 −618.8 ± 1154
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 187.7
Std Dev 0
3
2
1
0
−1

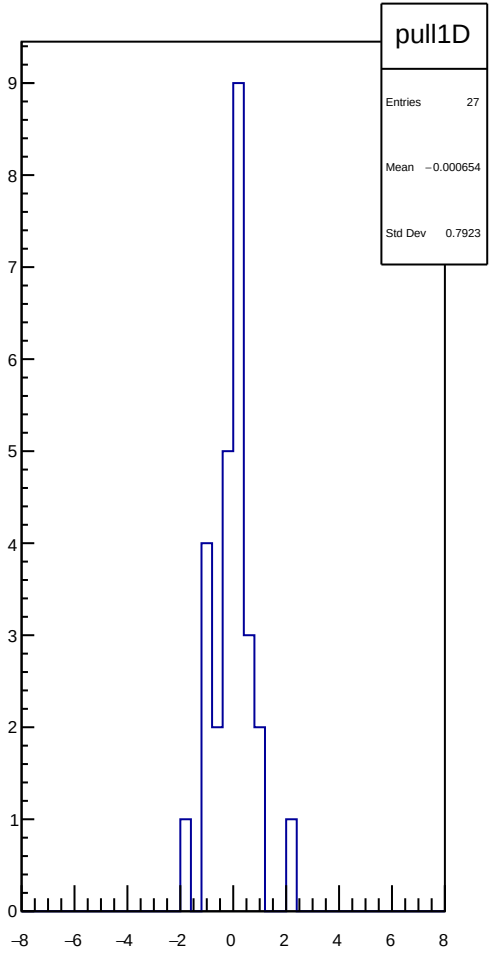

pull1D
Entries 27
Mean 0.009015
Std Dev 1.08
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

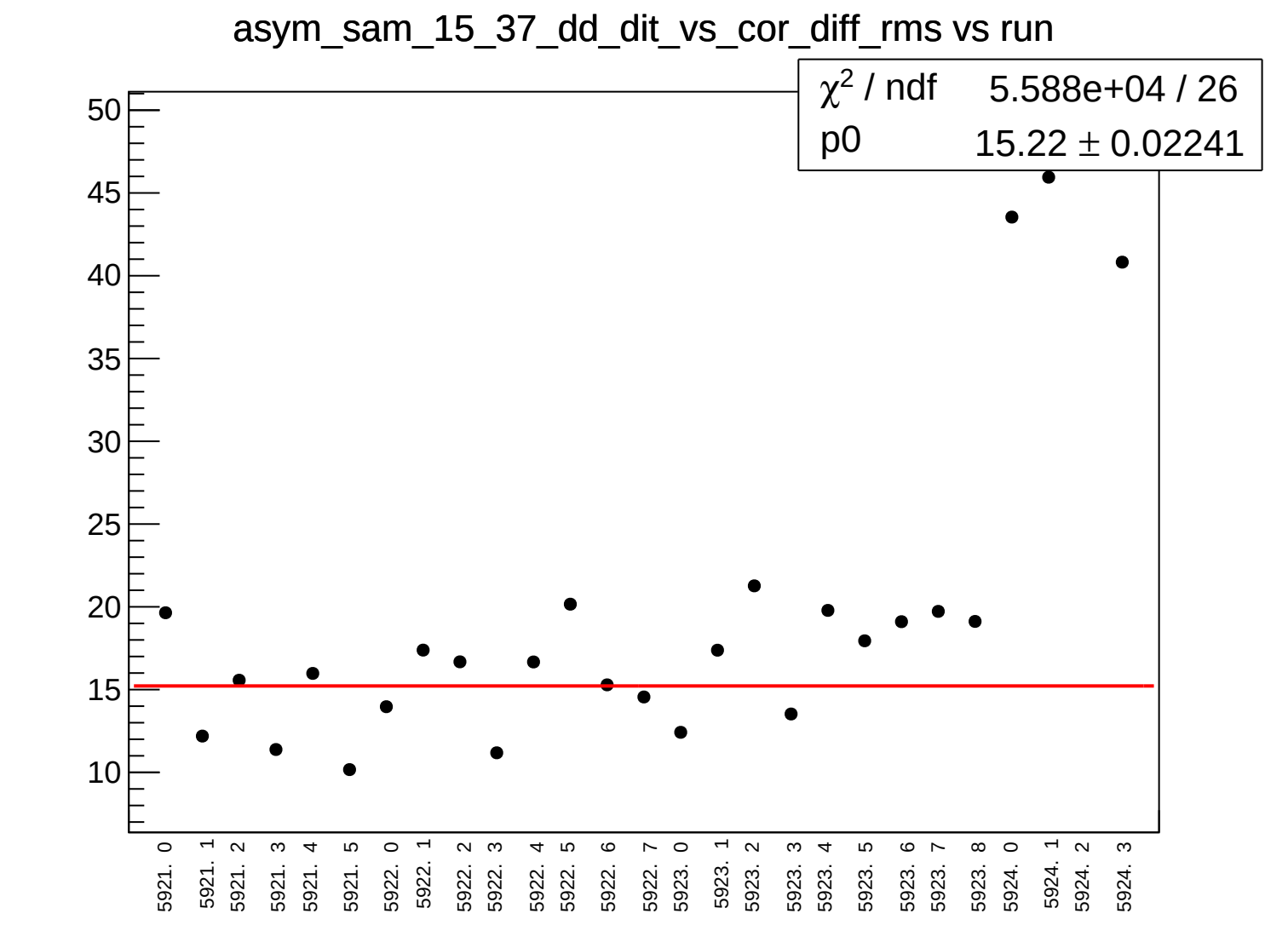

asym_sam_15_37_dd_rms vs run
χ² / ndf 3037 / 26
p0 585 ± 0.8158
720
700
680
660
640
620
600
580
560
540
520
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

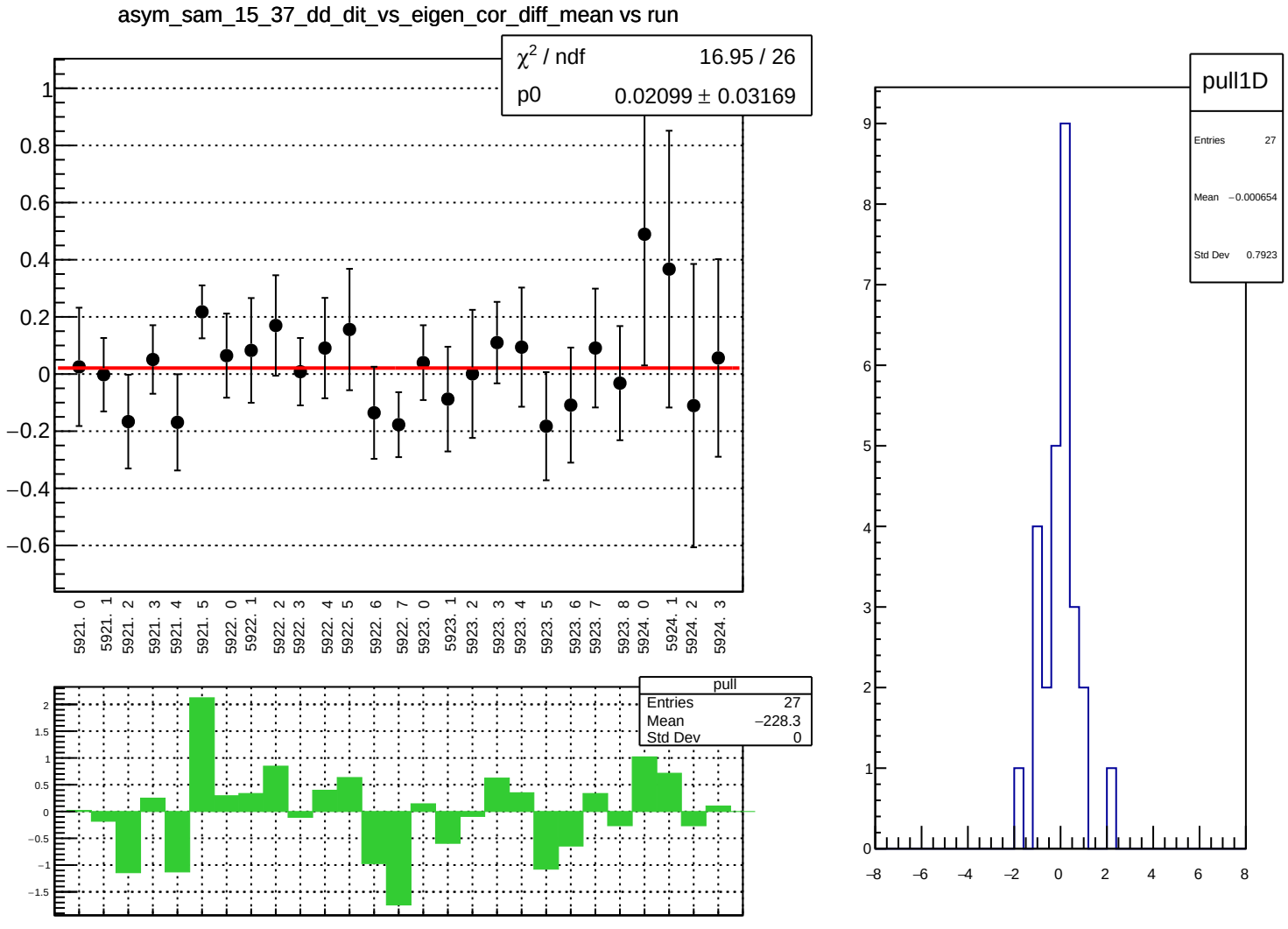

asym_sam_15_37_dd_reg_vs_cor_diff_mean vs run
×10^−3
χ² / ndf 26.13 / 26
p0 4.821e−15 ± 6.088e−14
0.4
0.2
0
−0.2
−0.4
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 30.23
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.1334
Std Dev 0.9747
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

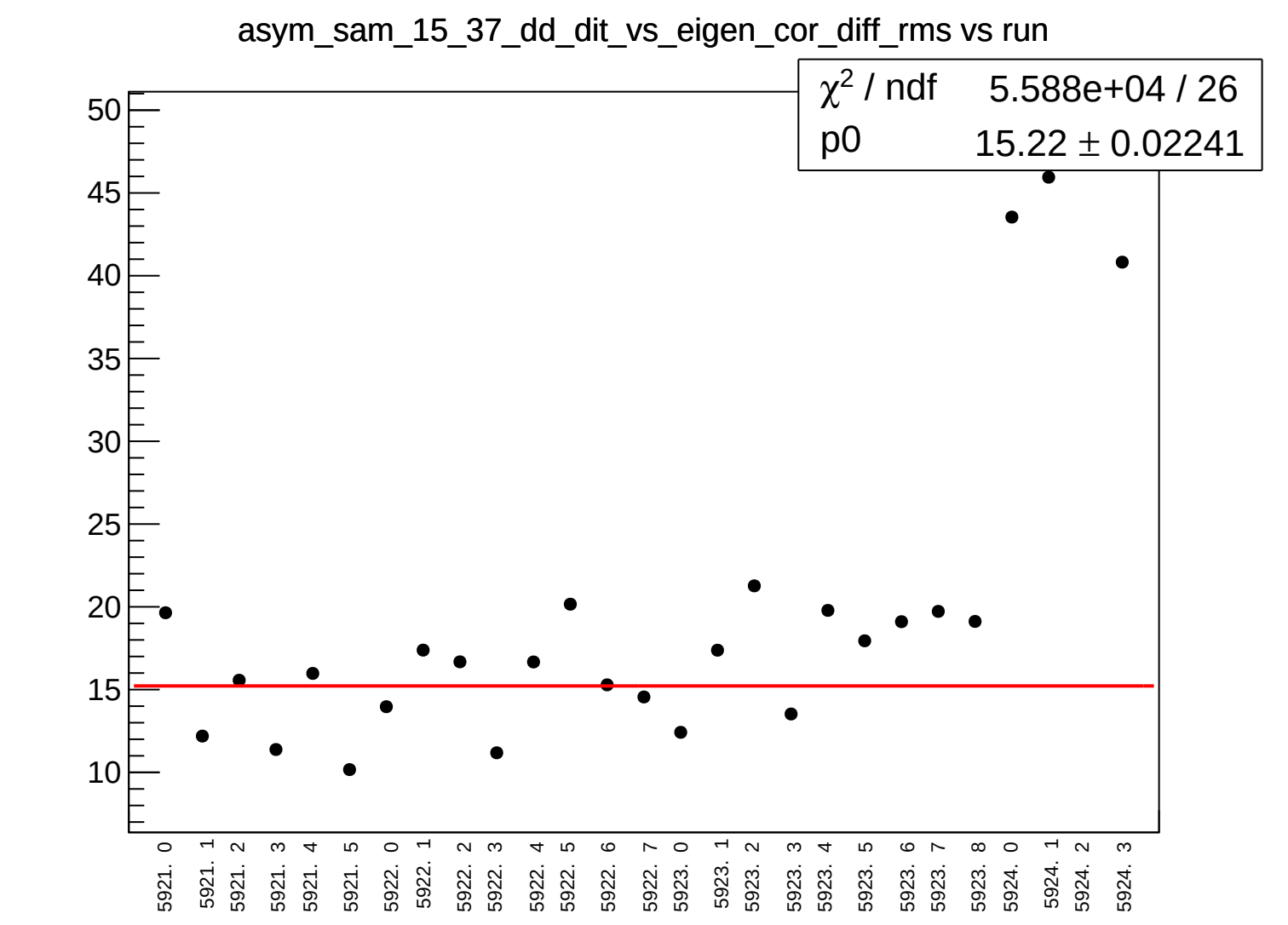

asym_sam_15_37_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.484e+05 / 26
p0 1.769e−11 ± 4.305e−14
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

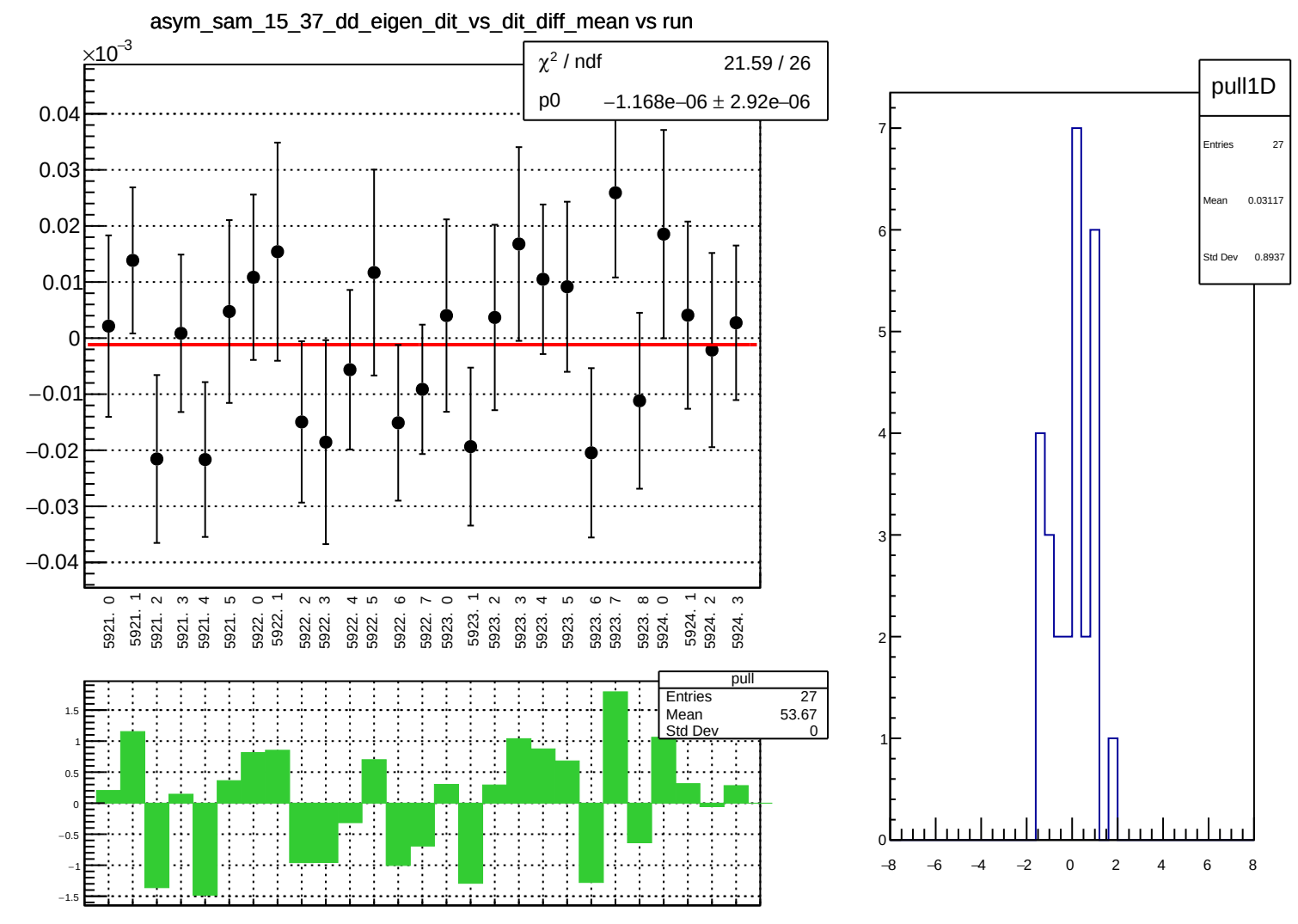

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 16.95 / 26
p0 0.02099 ± 0.03169
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −228.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

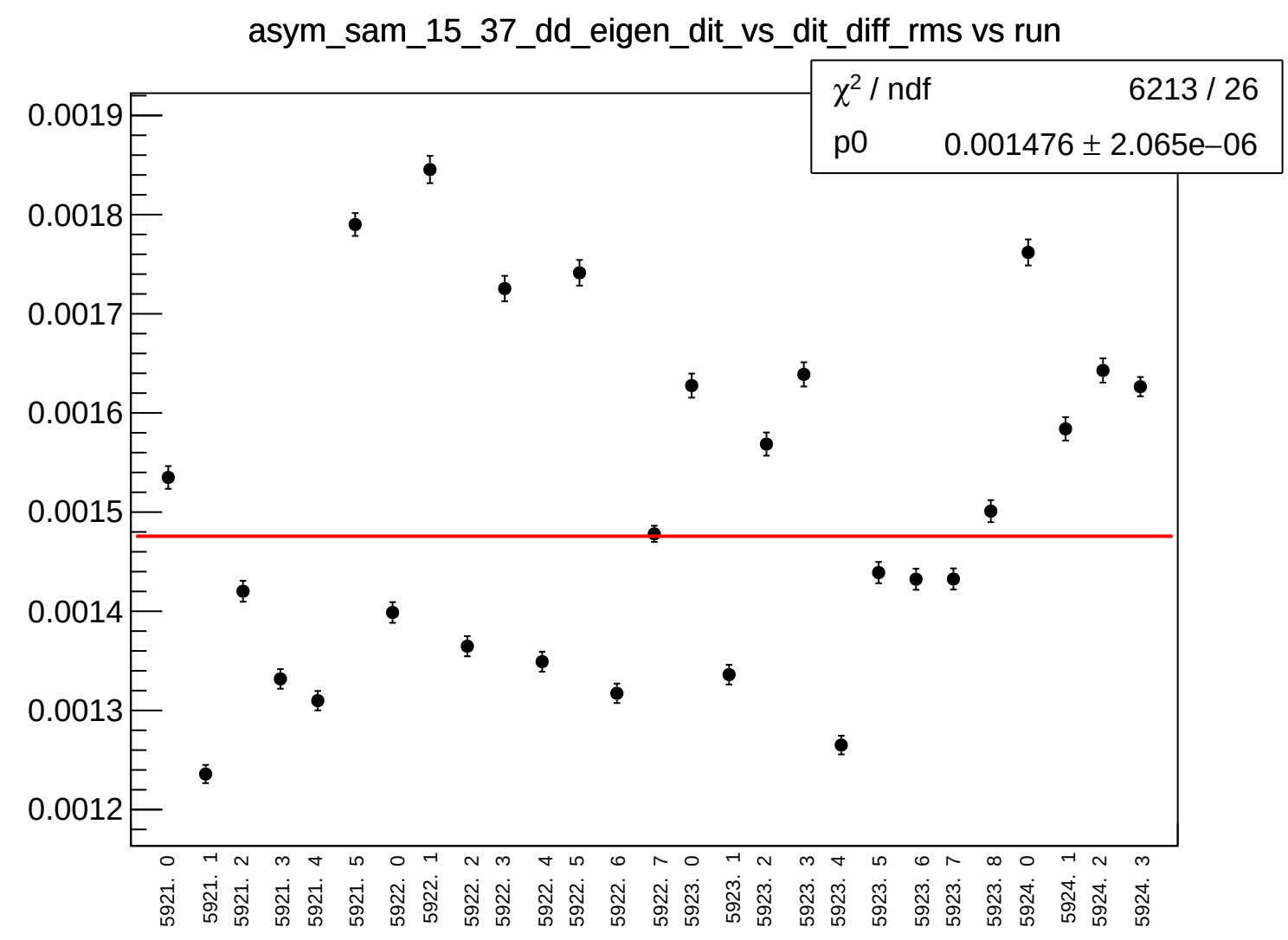

pull1D
Entries 27
Mean −0.000654
Std Dev 0.7923
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

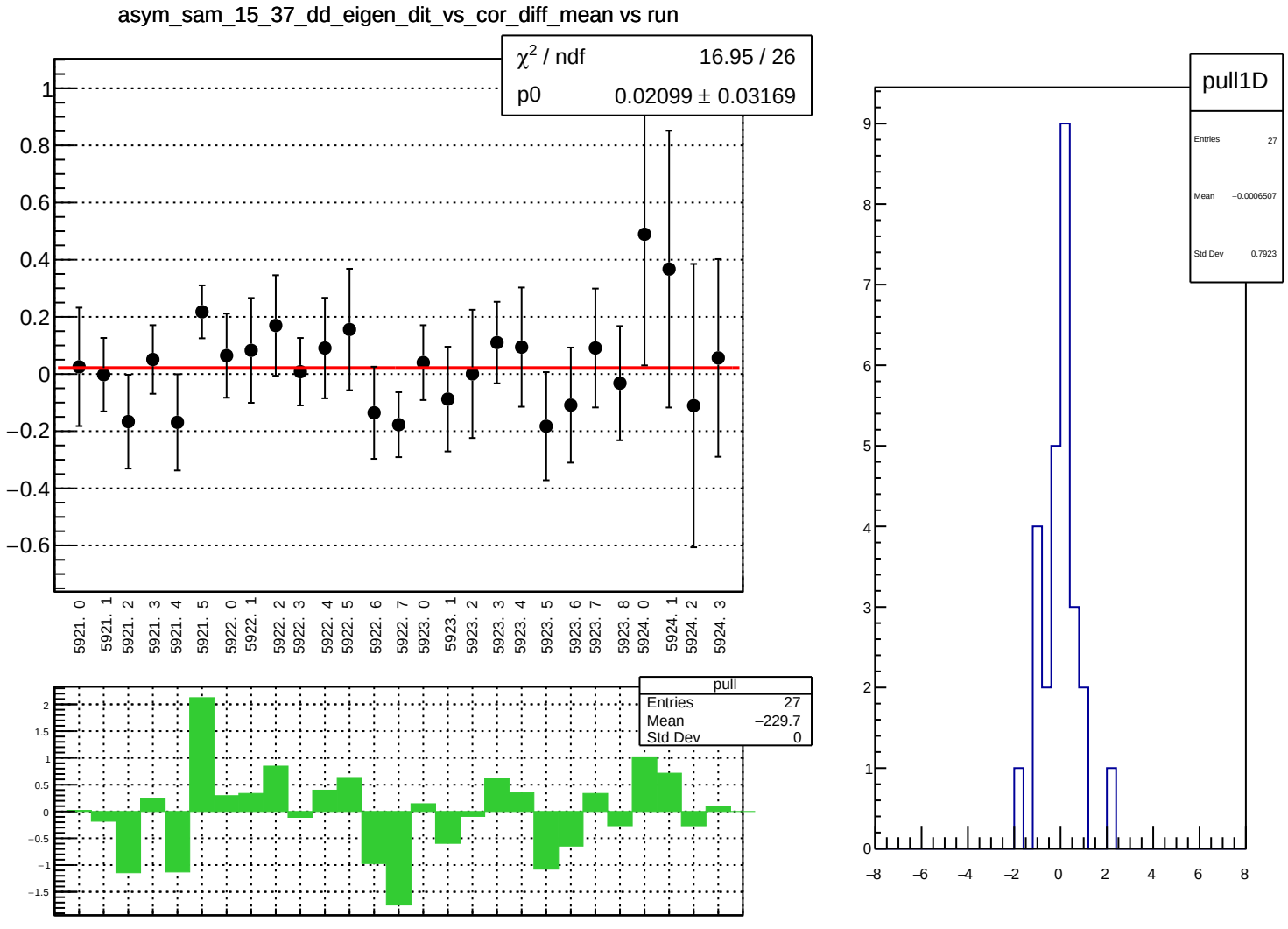

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5.588e+04 / 26
p0 15.22 ± 0.02241
50
45
40
35
30
25
20
15
10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

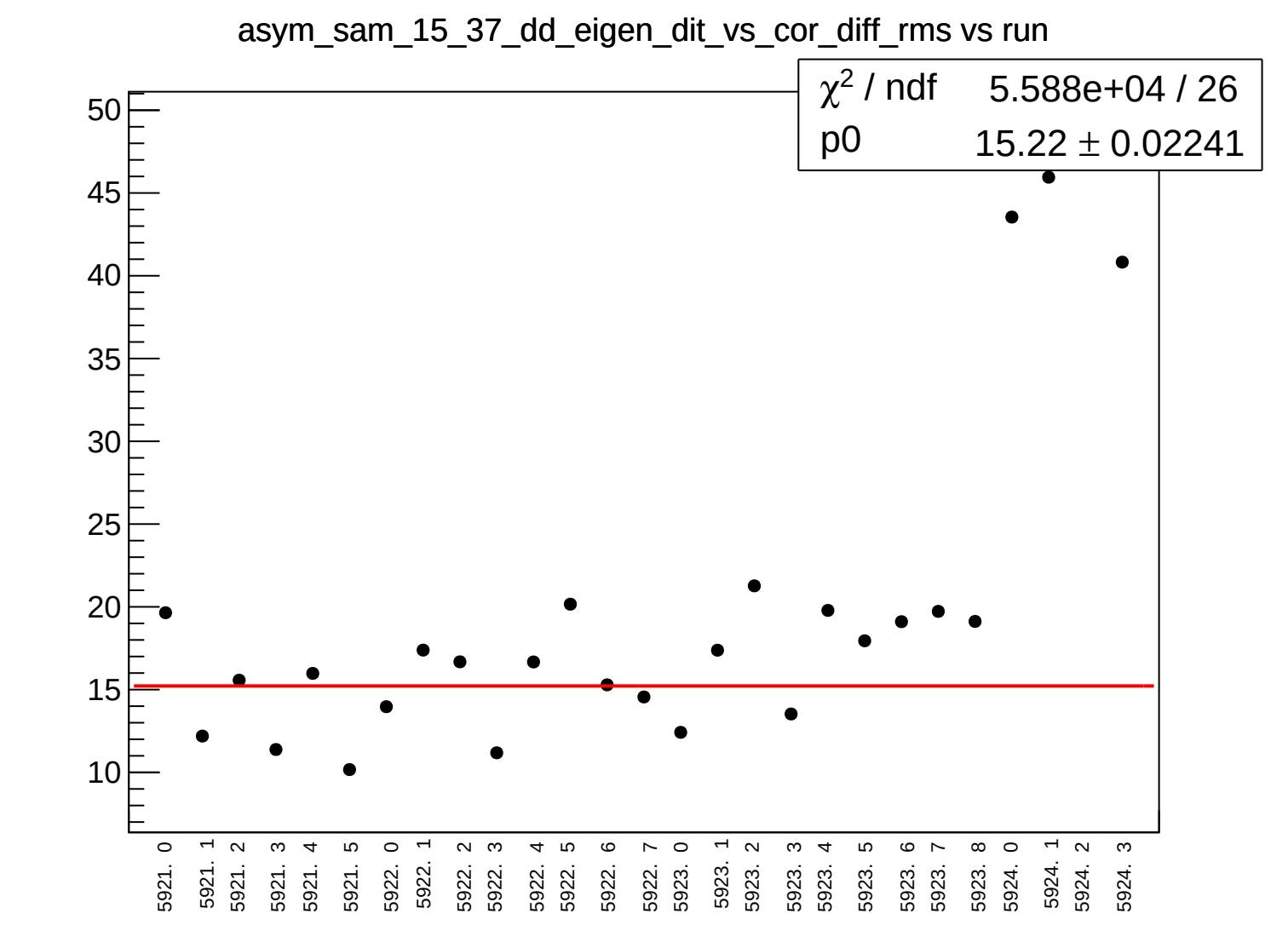

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 16.95 / 26
p0 0.02099 ± 0.03169
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −228.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.000654
Std Dev 0.7923
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

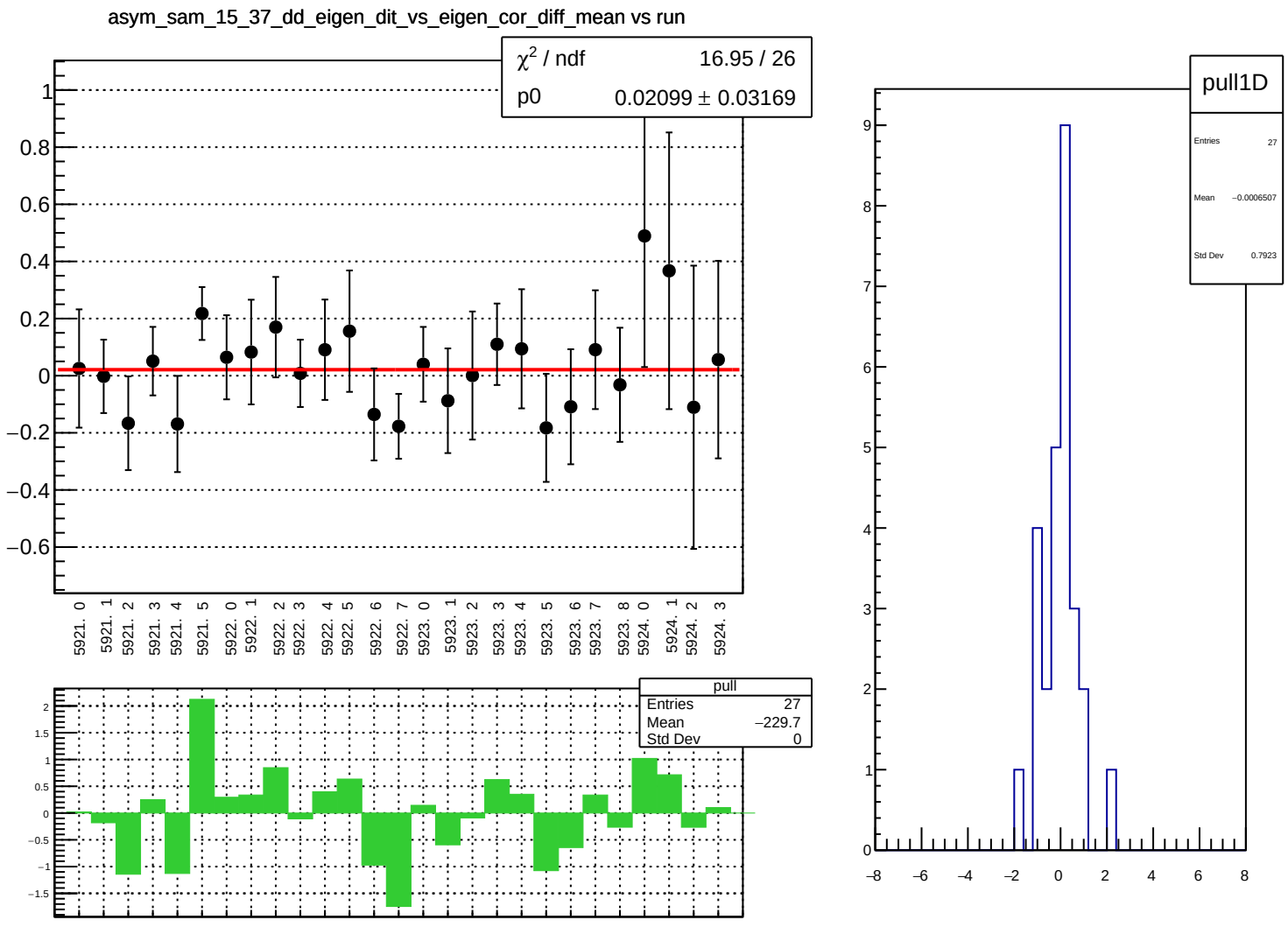

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.588e+04 / 26
p0 15.22 ± 0.02241
50
45
40
35
30
25
20
15
10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

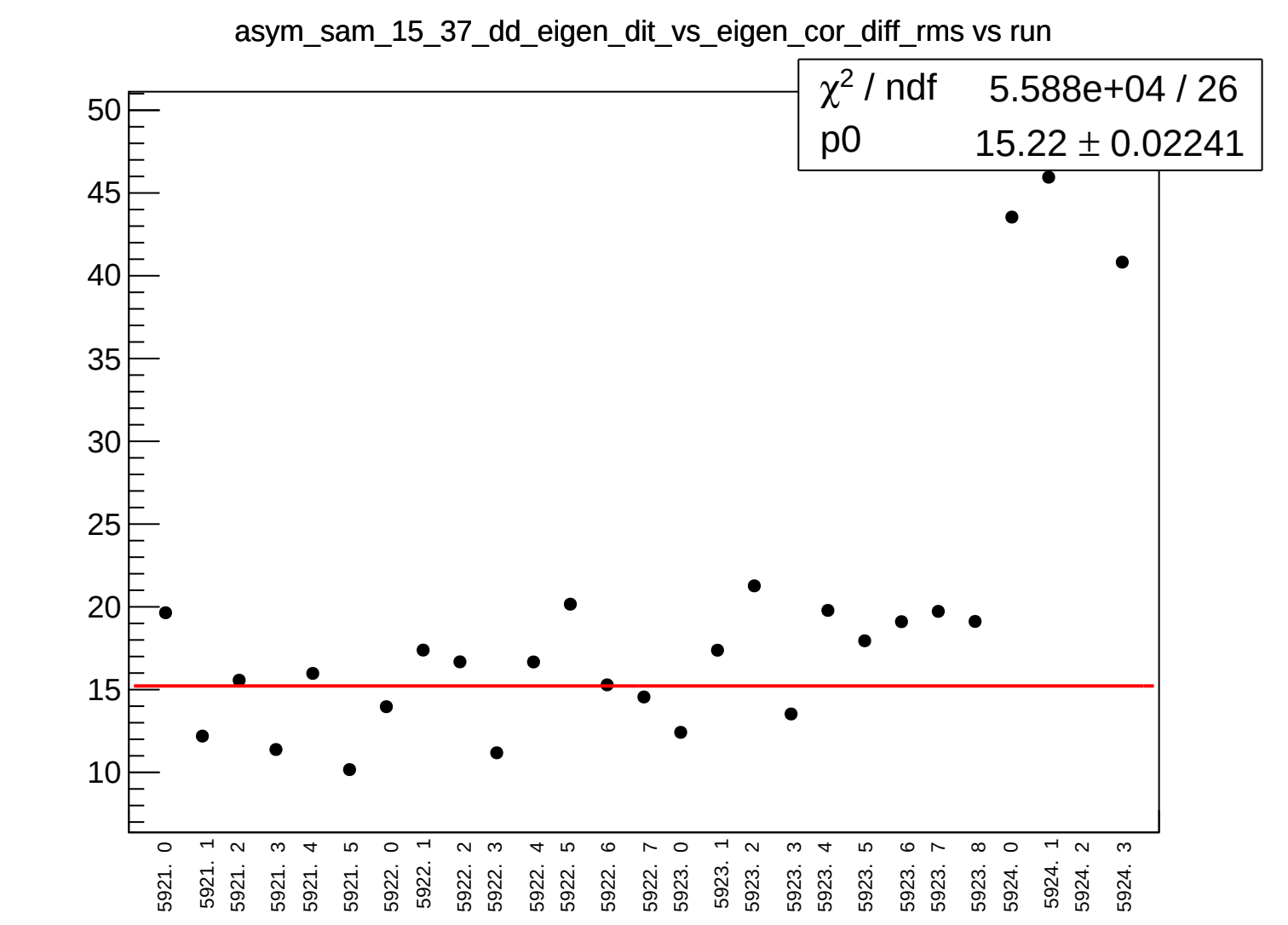

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 21.59 / 26
p0 −1.168e−06 ± 2.92e−06
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 53.67
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.03117
Std Dev 0.8937
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

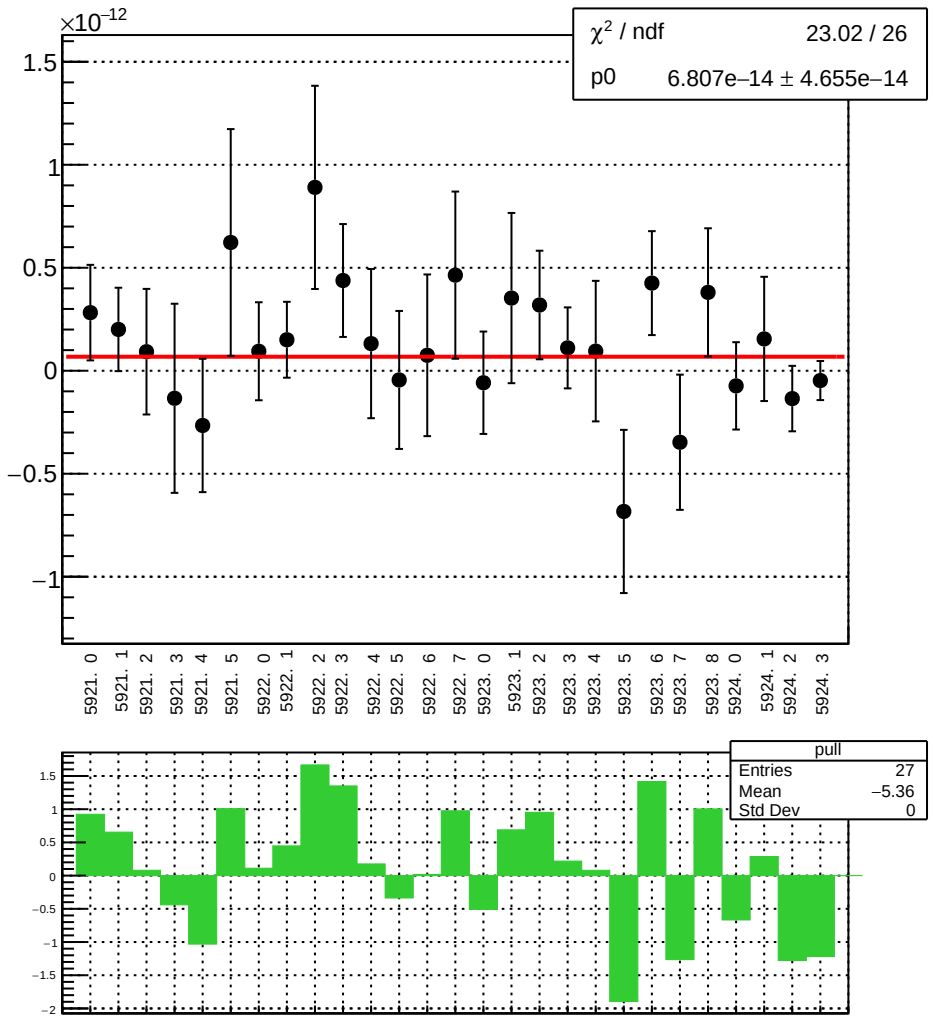

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6213 / 26
p0 0.001476 ± 2.065e−06
0.0019
0.0018
0.0017
0.0016
0.0015
0.0014
0.0013
0.0012
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

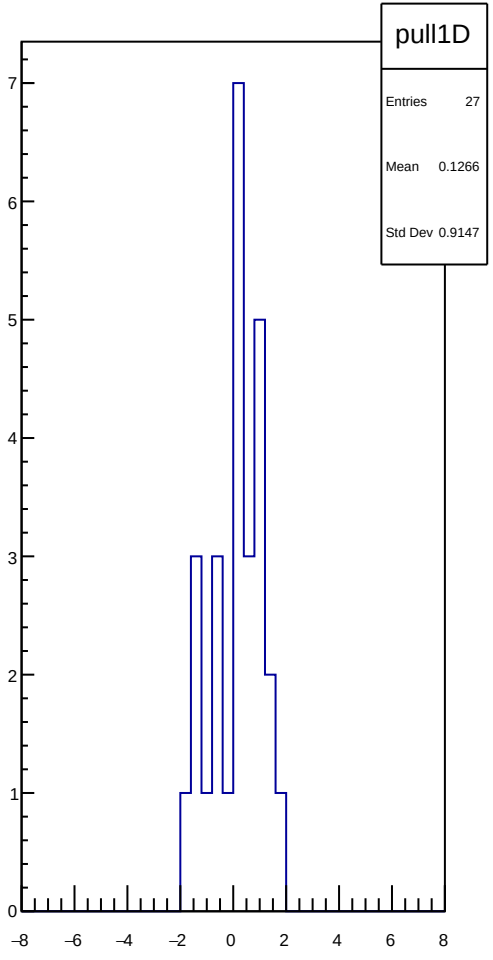

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 16.95 / 26
p0 0.02099 ± 0.03169
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −229.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.0006507
Std Dev 0.7923
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

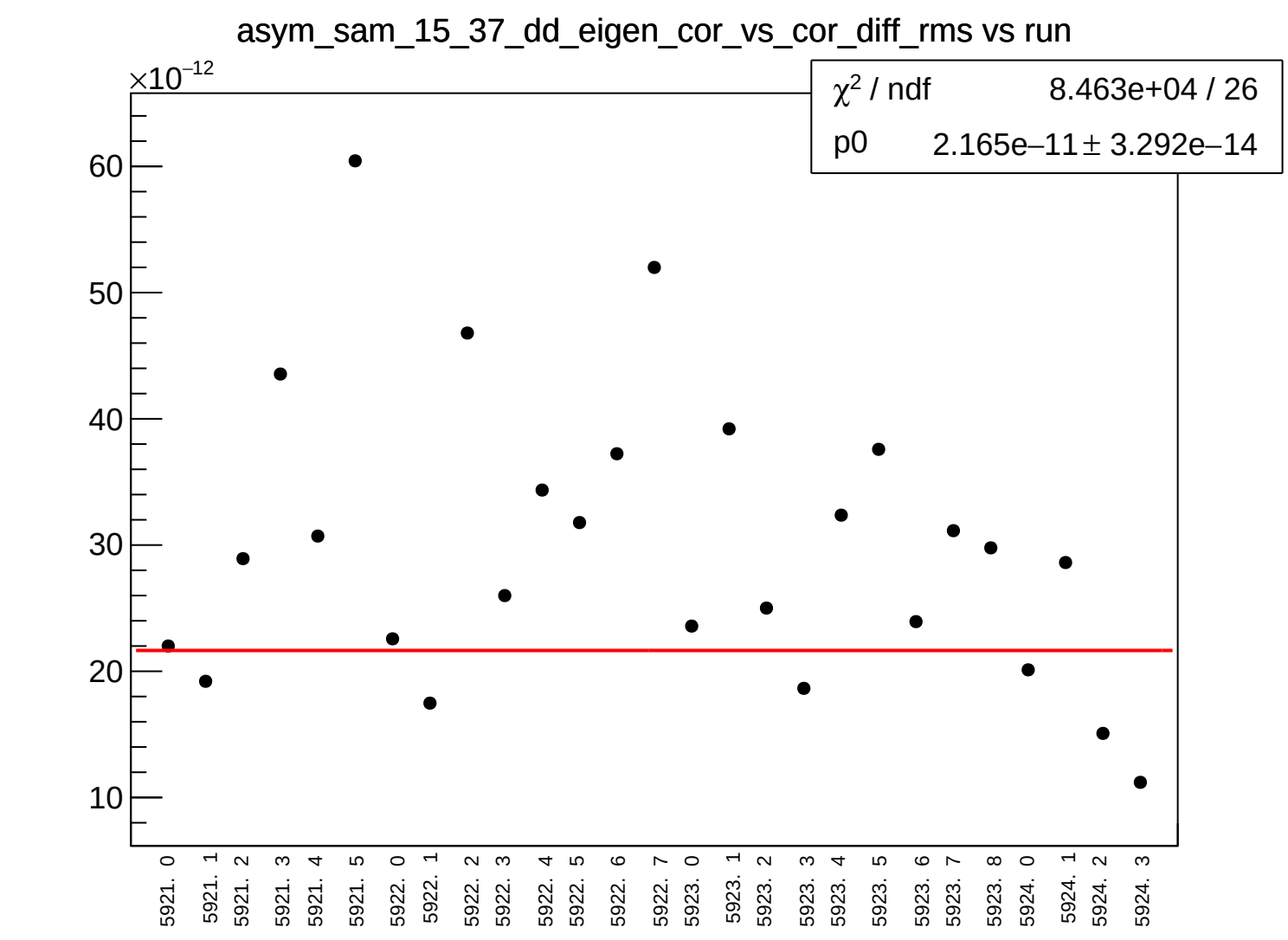

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.588e+04 / 26
p0 15.22 ± 0.02241
50
45
40
35
30
25
20
15
10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

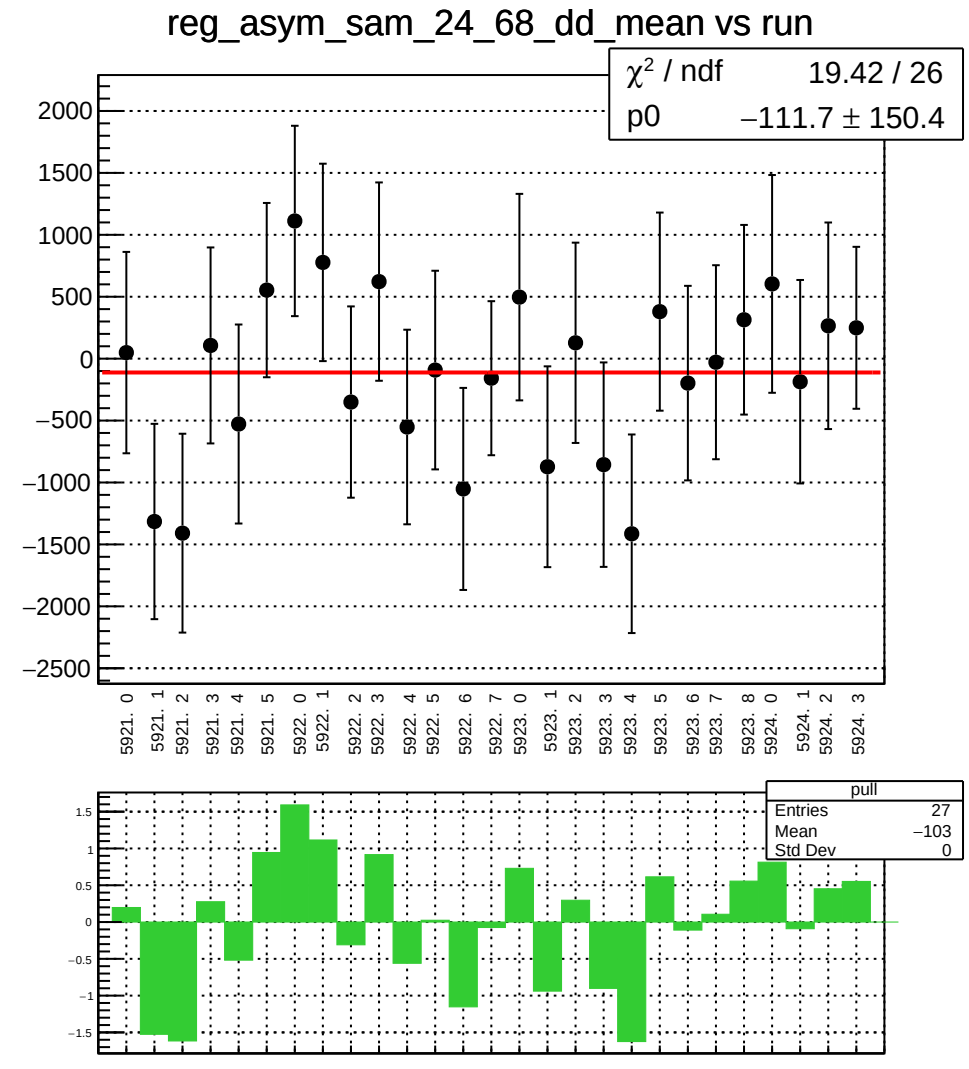

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 16.95 / 26
p0 0.02099 ± 0.03169
pull
Entries 27
Mean −229.7
Std Dev 0
pull1D
Entries 27
Mean −0.0006507
Std Dev 0.7923

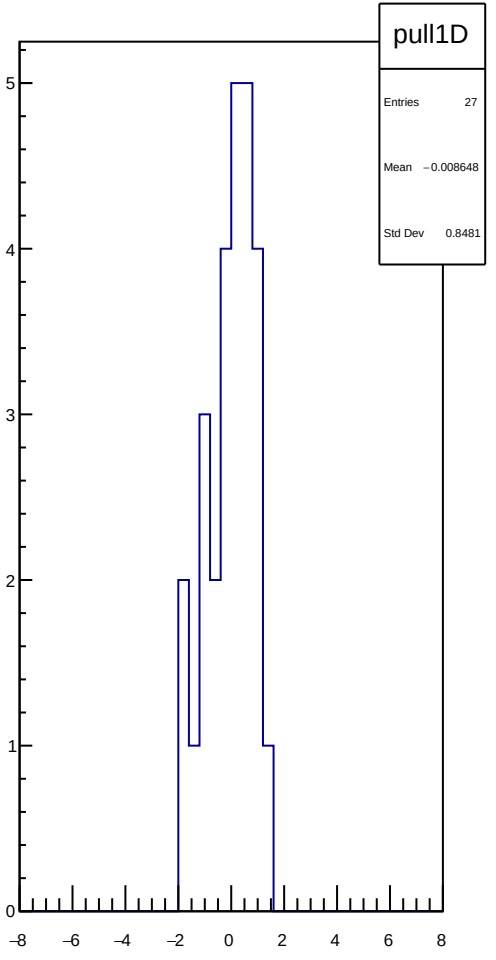

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ2 / ndf 5.588e+04 / 26
p0 15.22 ± 0.02241
50
45
40
35
30
25
20
15
10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

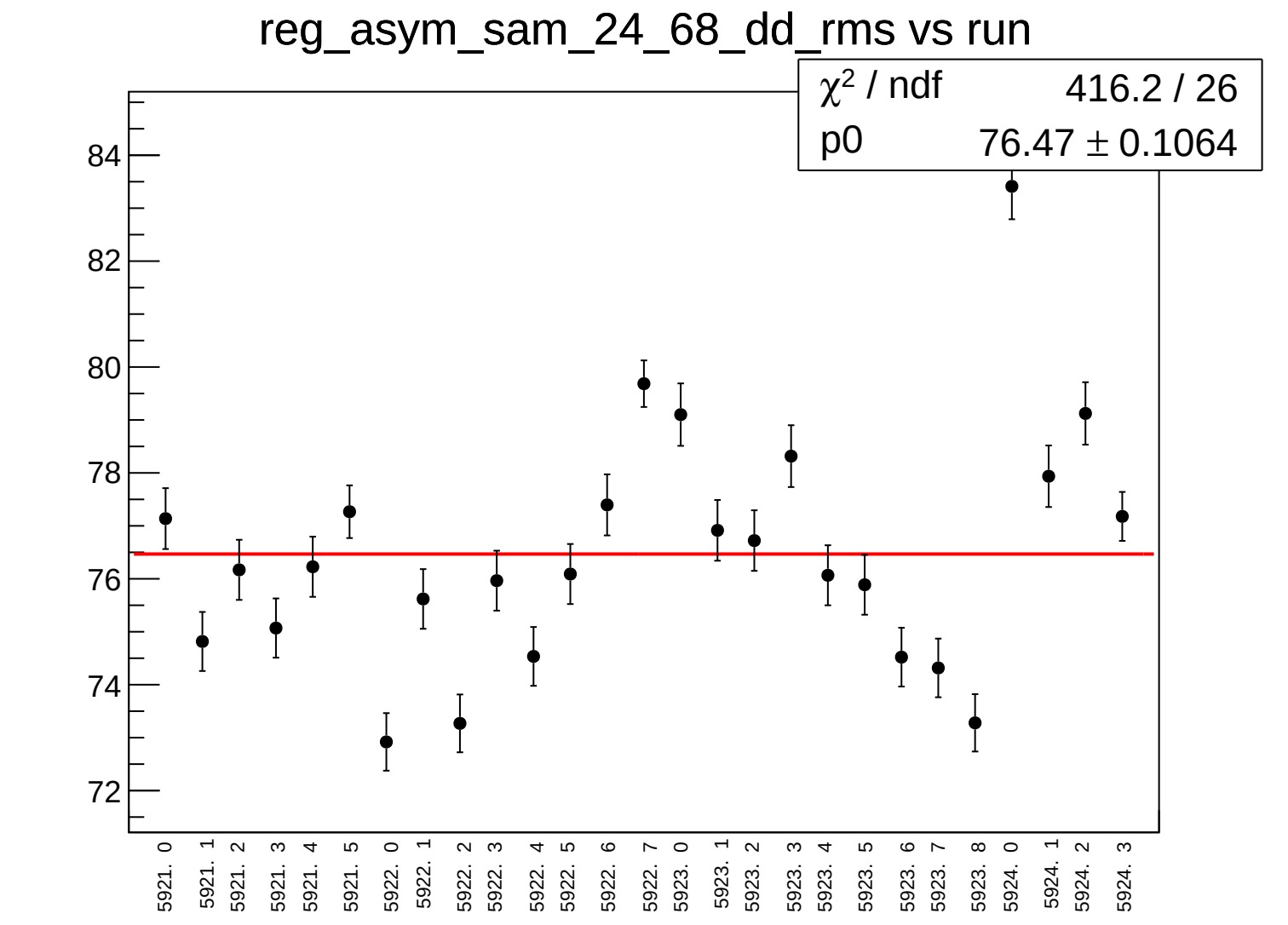

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 23.02 / 26
p0 6.807e−14 ± 4.655e−14
1.5
1
0.5
0
−0.5
−1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −5.36
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

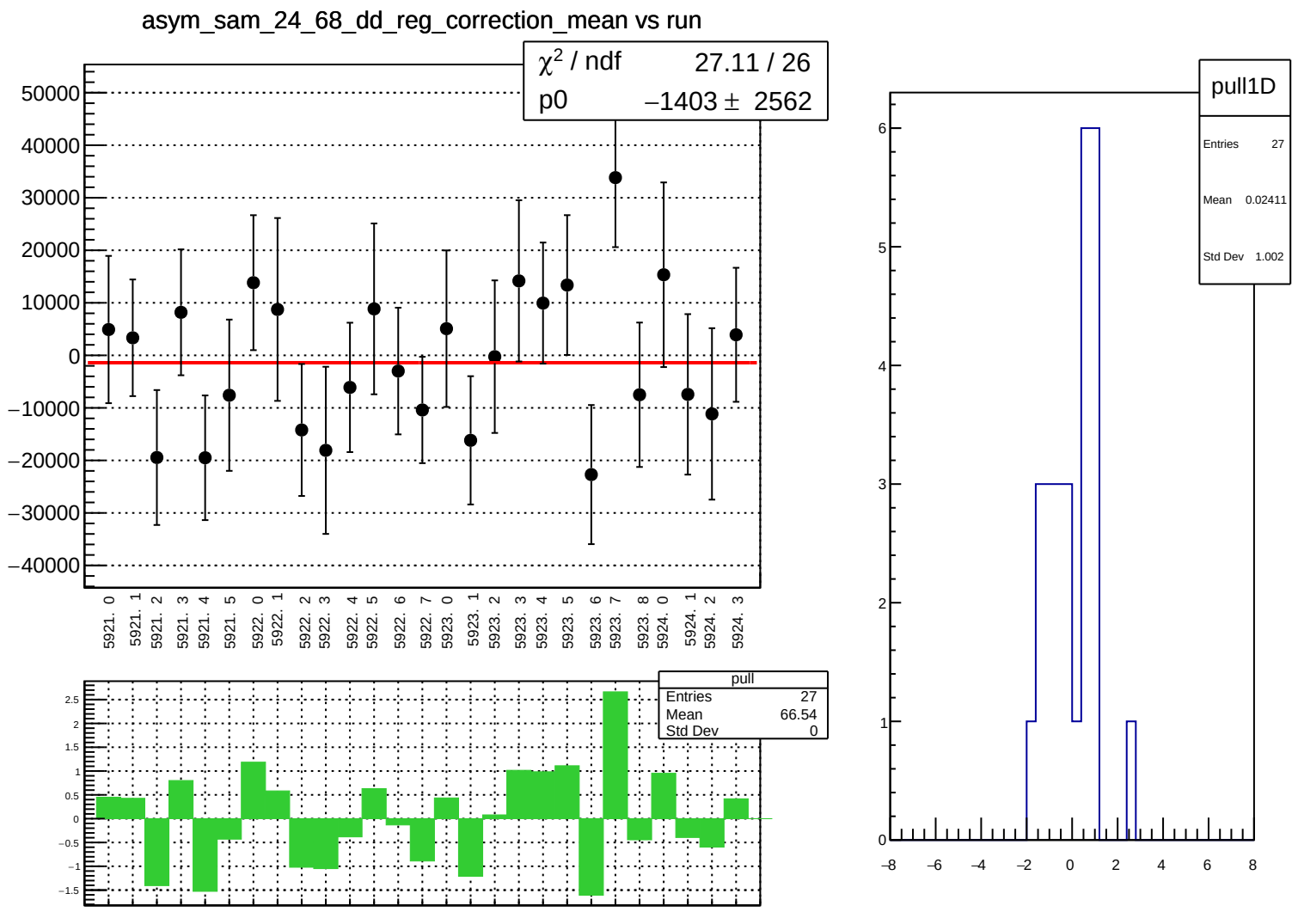

pull1D
Entries 27
Mean 0.1266
Std Dev 0.9147
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

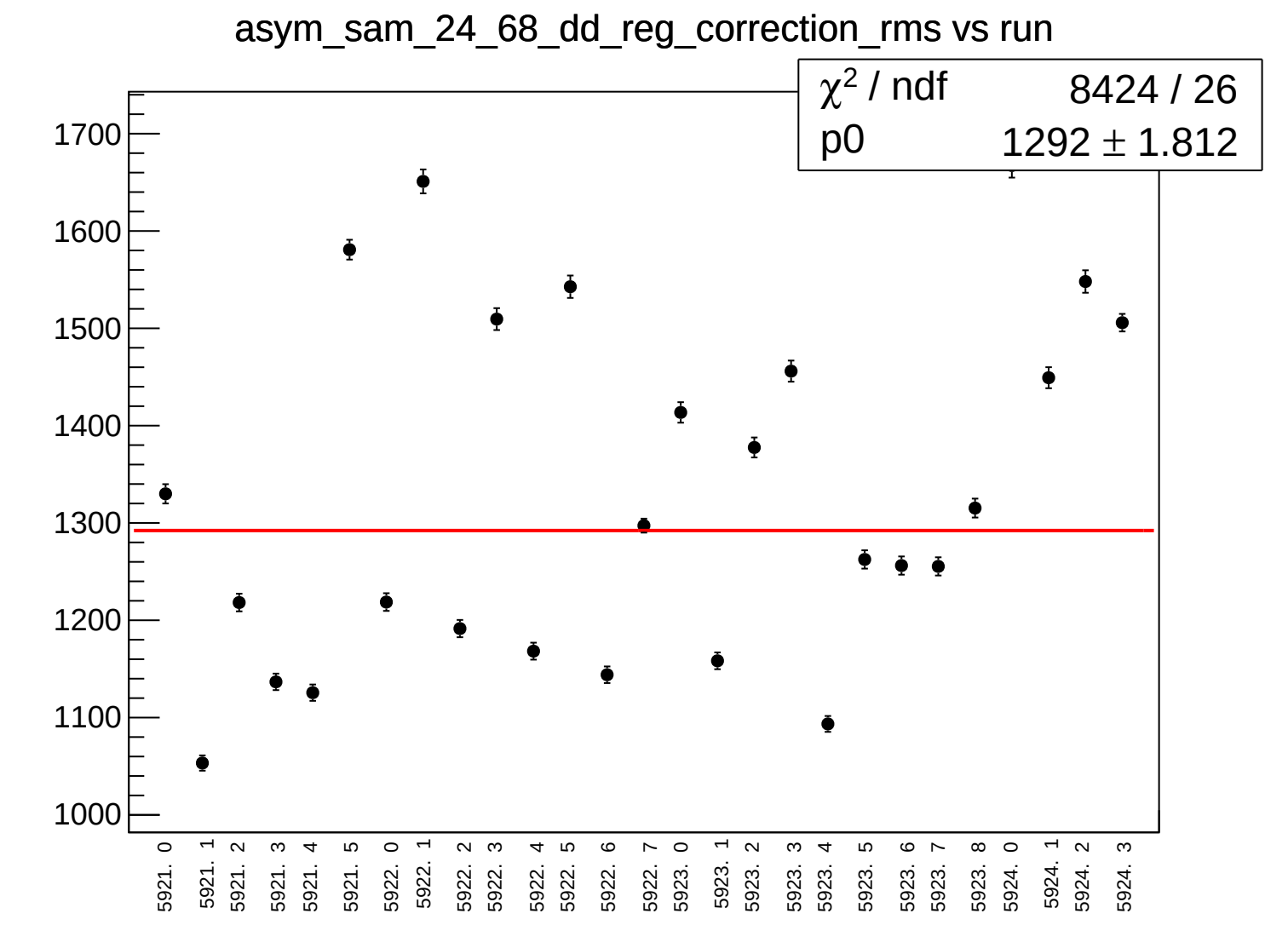

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 8.463e+04 / 26
p0 2.165e−11 ± 3.292e−14
60
50
40
30
20
10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

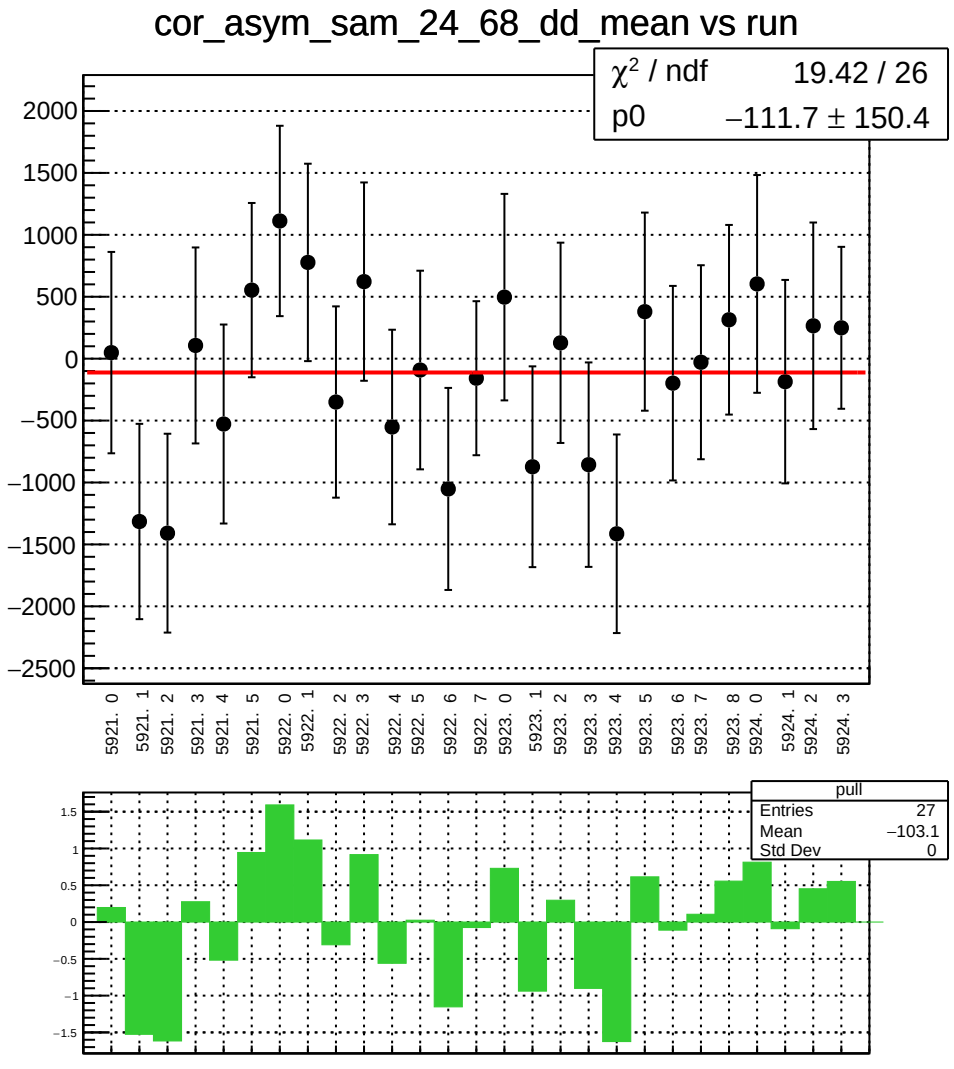

reg_asym_sam_24_68_dd_mean vs run
χ² / ndf 19.42 / 26
p0 −111.7 ± 150.4
2000
1500
1000
500
0
−500
−1000
−1500
−2000
−2500
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −103
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

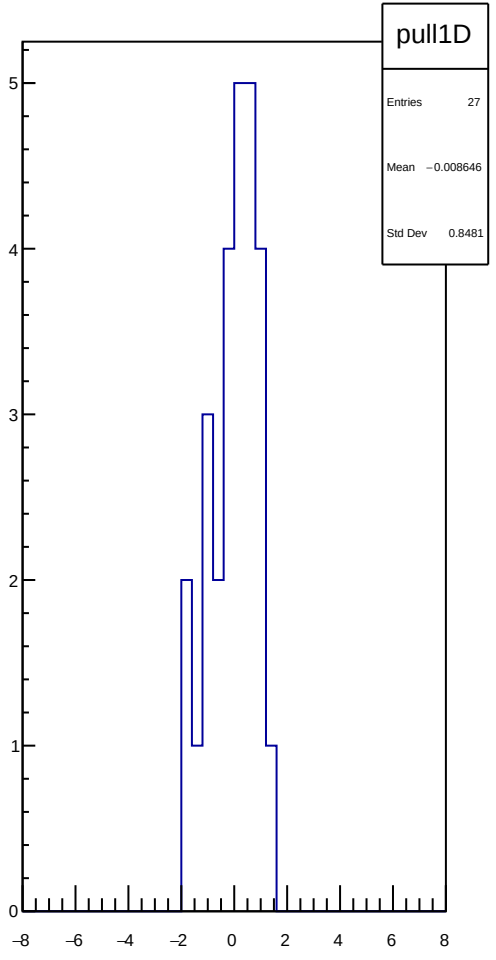

pull1D
Entries 27
Mean −0.008648
Std Dev 0.8481
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

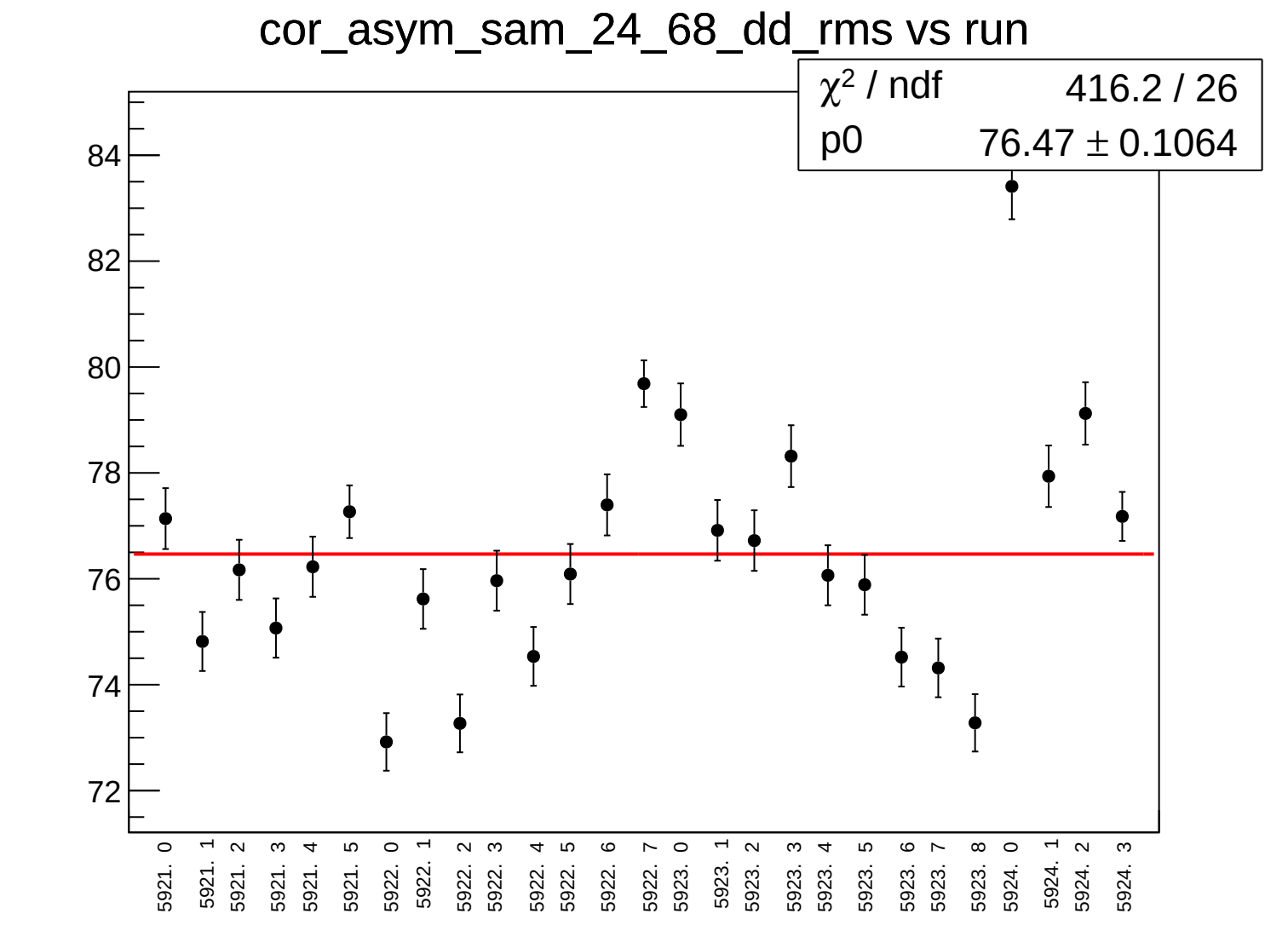

reg_asym_sam_24_68_dd_rms vs run
χ² / ndf 416.2 / 26
p0 76.47 ± 0.1064
84
82
80
78
76
74
72
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

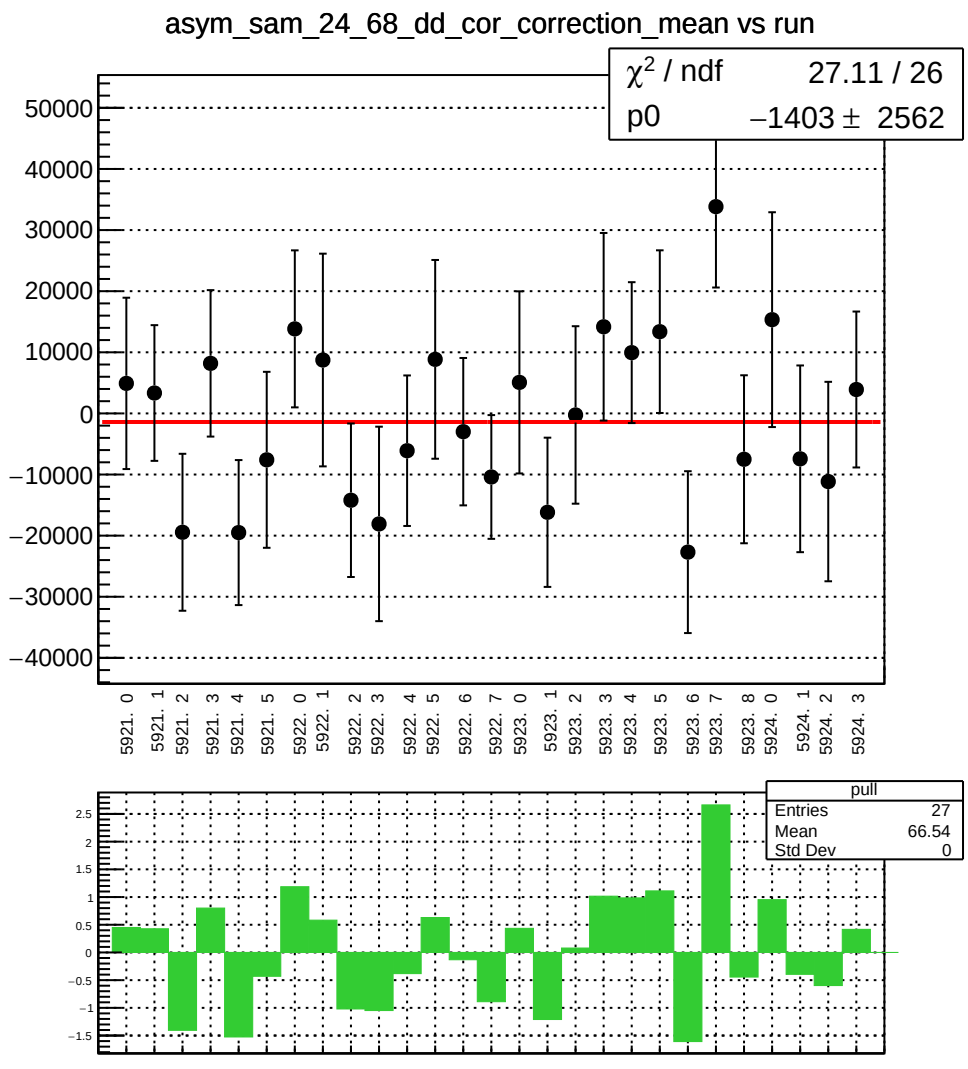

asym_sam_24_68_dd_reg_correction_mean vs run
χ² / ndf 27.11 / 26
p0 −1403 ± 2562
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 66.54
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.02411
Std Dev 1.002
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

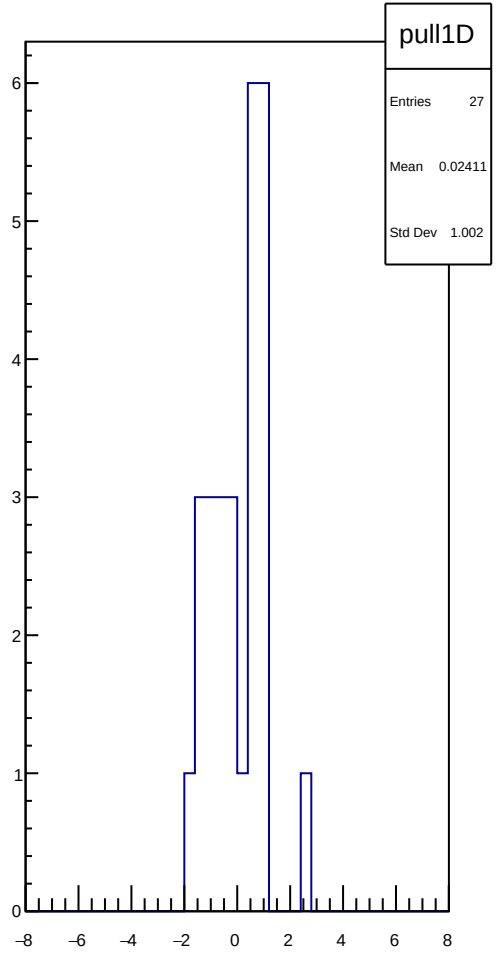

asym_sam_24_68_dd_reg_correction_rms vs run
χ² / ndf 8424 / 26
p0 1292 ± 1.812
1700
1600
1500
1400
1300
1200
1100
1000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

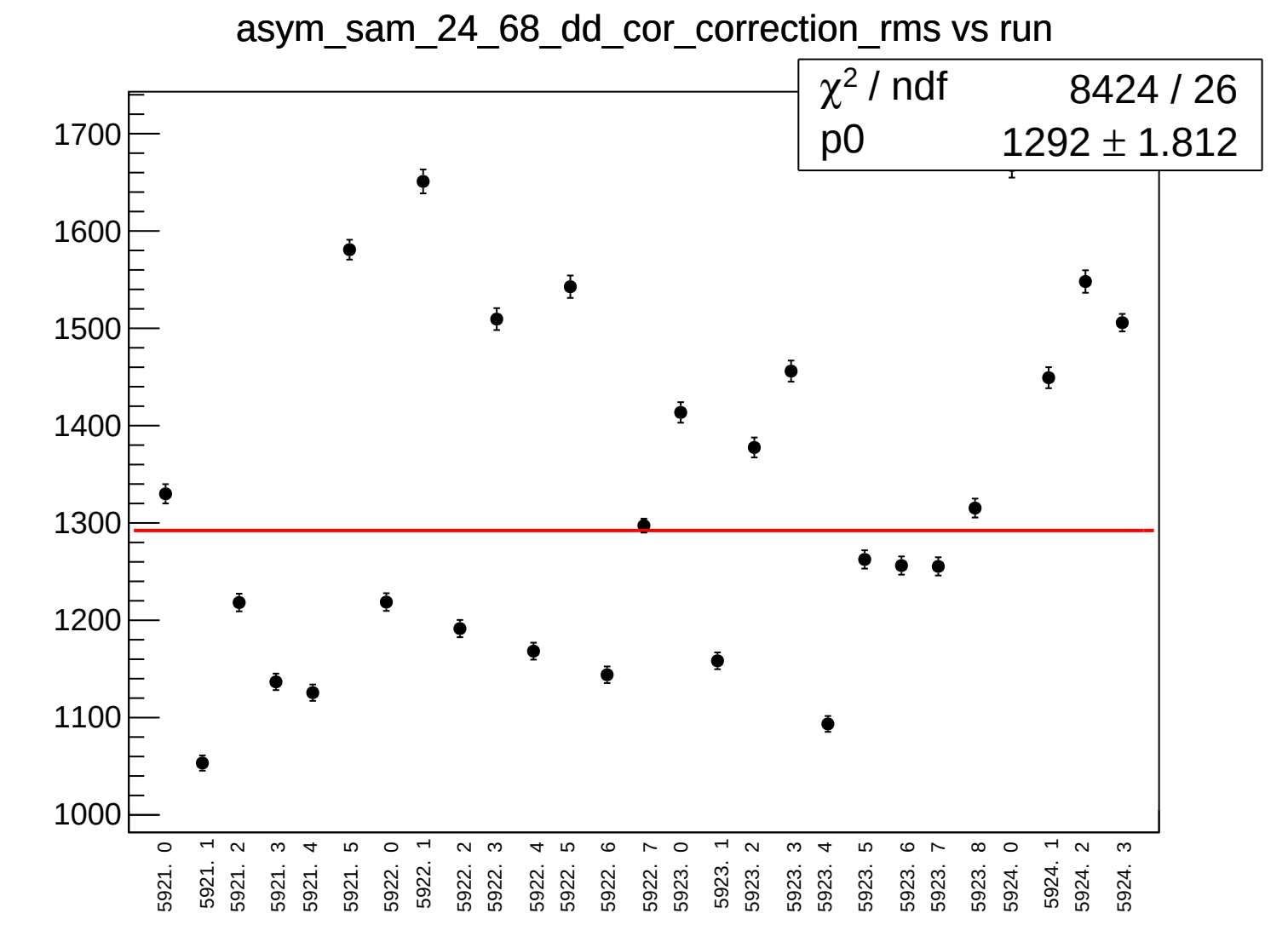

cor_asym_sam_24_68_dd_mean vs run
χ² / ndf 19.42 / 26
p0 −111.7 ± 150.4
2000
1500
1000
500
0
−500
−1000
−1500
−2000
−2500
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −103.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

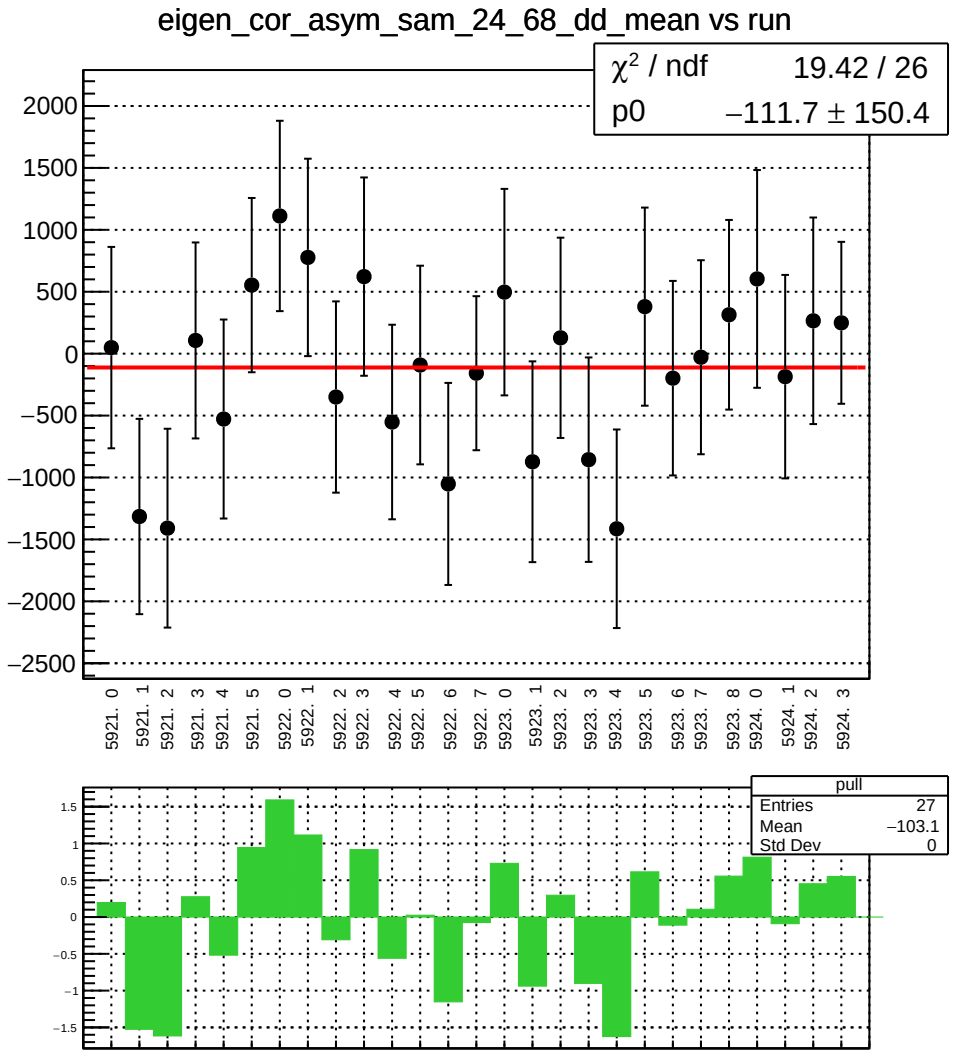

pull1D
Entries 27
Mean −0.008646
Std Dev 0.8481
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

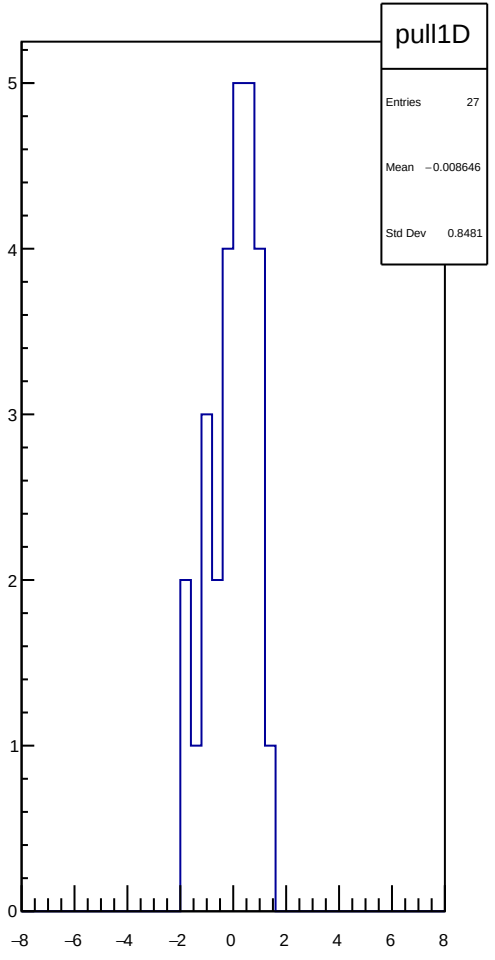

cor_asym_sam_24_68_dd_rms vs run
χ² / ndf 416.2 / 26
p0 76.47 ± 0.1064
84
82
80
78
76
74
72
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

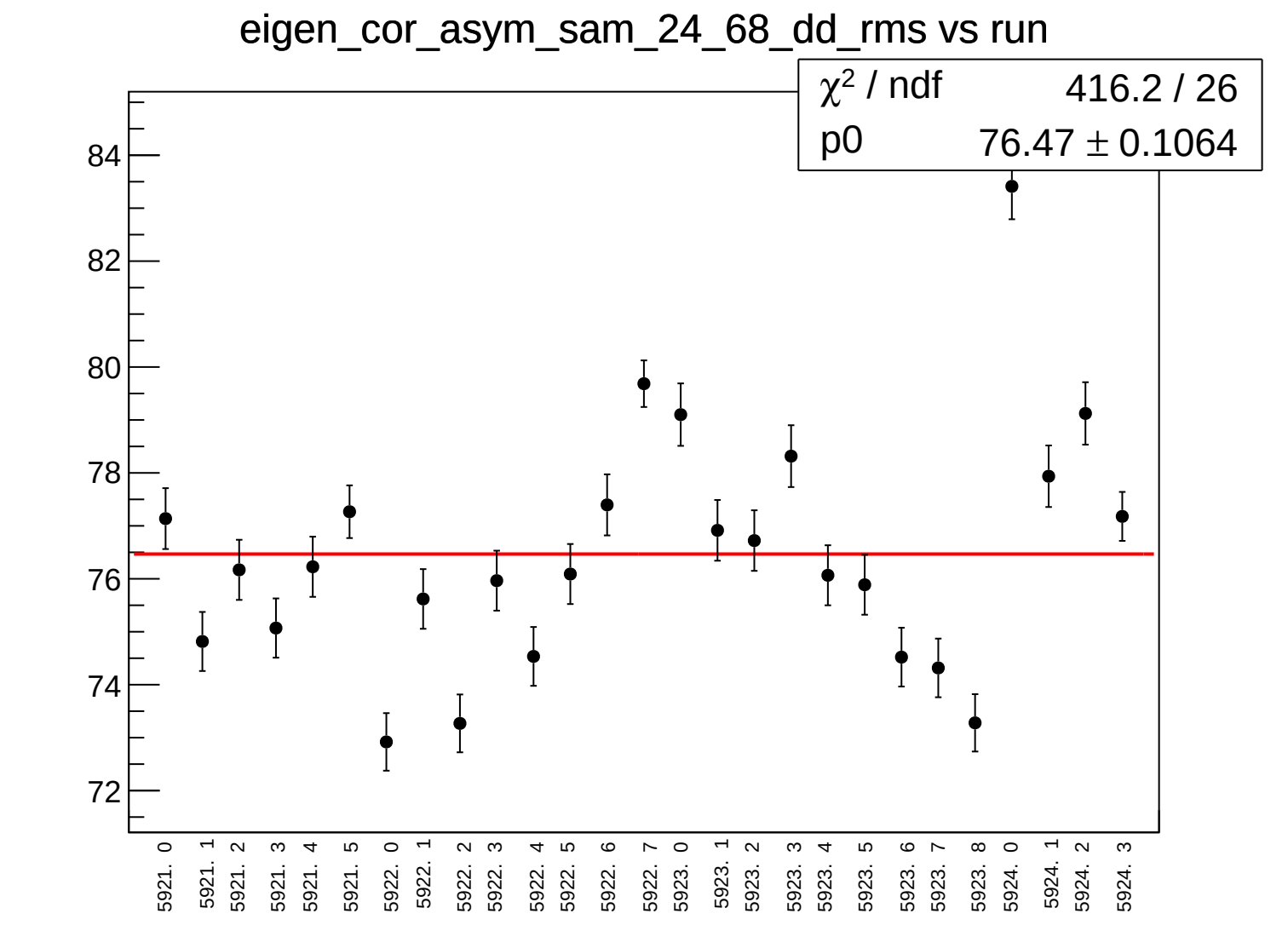

asym_sam_24_68_dd_cor_correction_mean vs run
χ² / ndf 27.11 / 26
p0 −1403 ± 2562
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 66.54
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

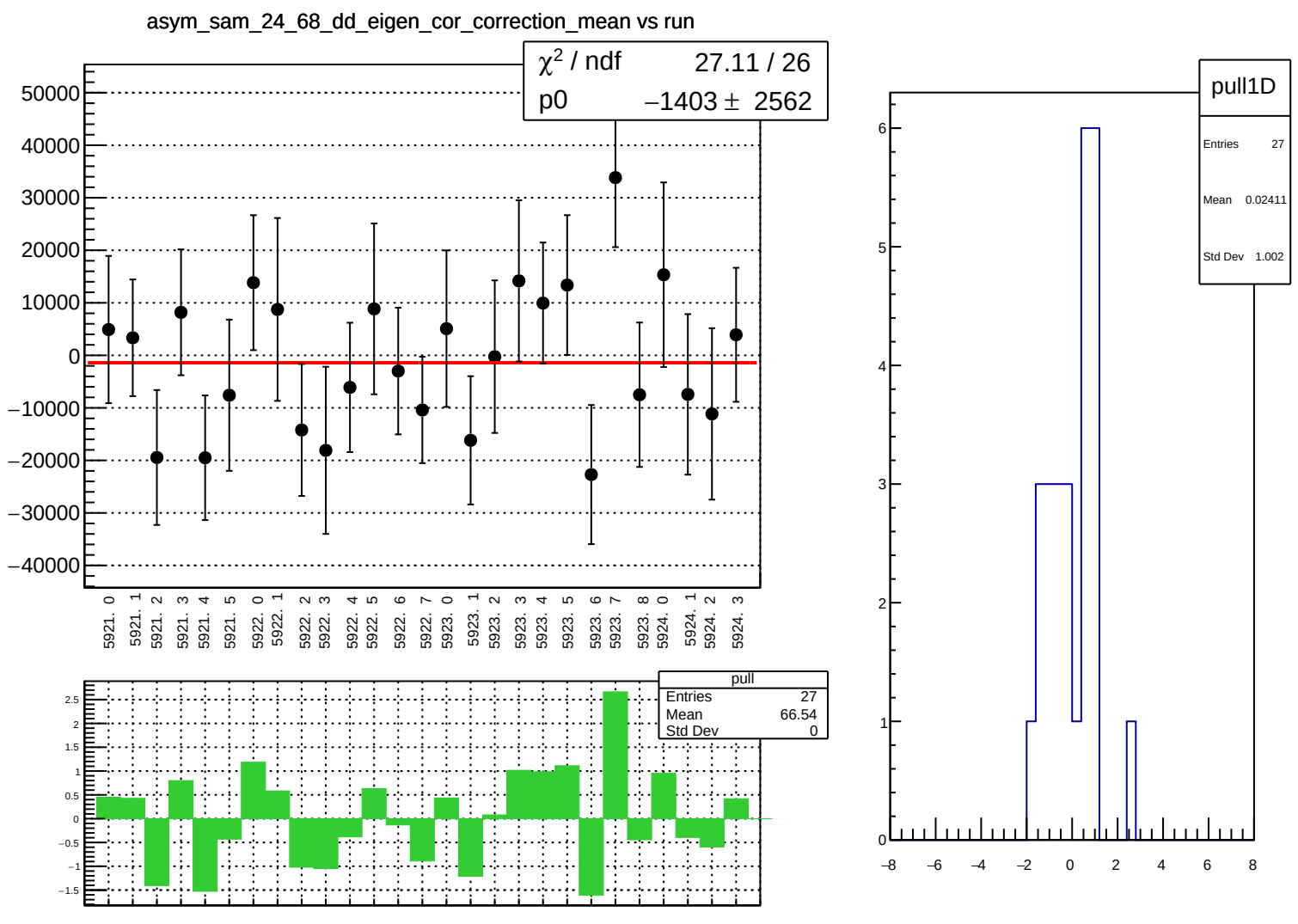

pull1D
Entries 27
Mean 0.02411
Std Dev 1.002
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

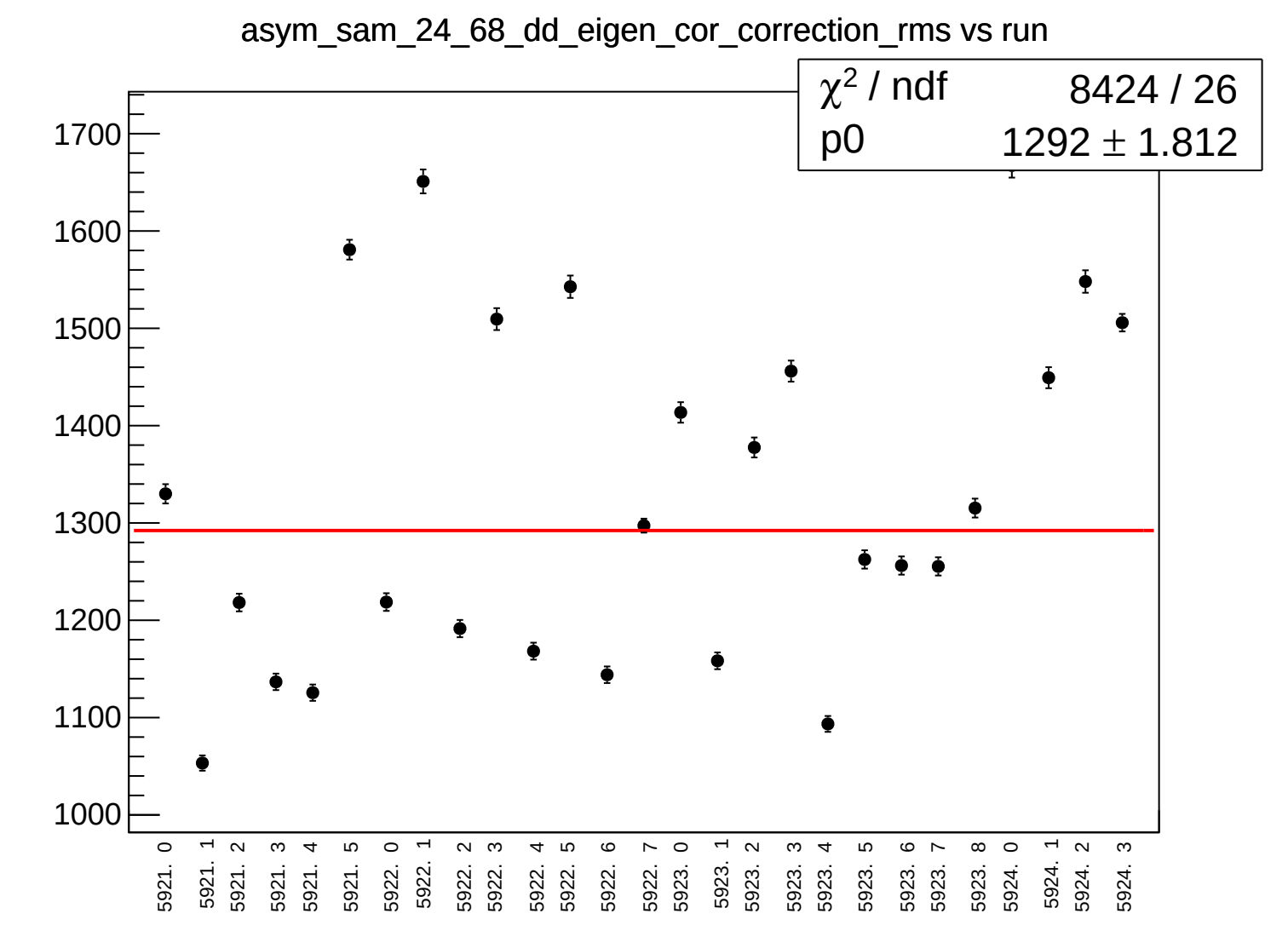

asym_sam_24_68_dd_cor_correction_rms vs run
χ² / ndf 8424 / 26
p0 1292 ± 1.812
1700
1600
1500
1400
1300
1200
1100
1000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

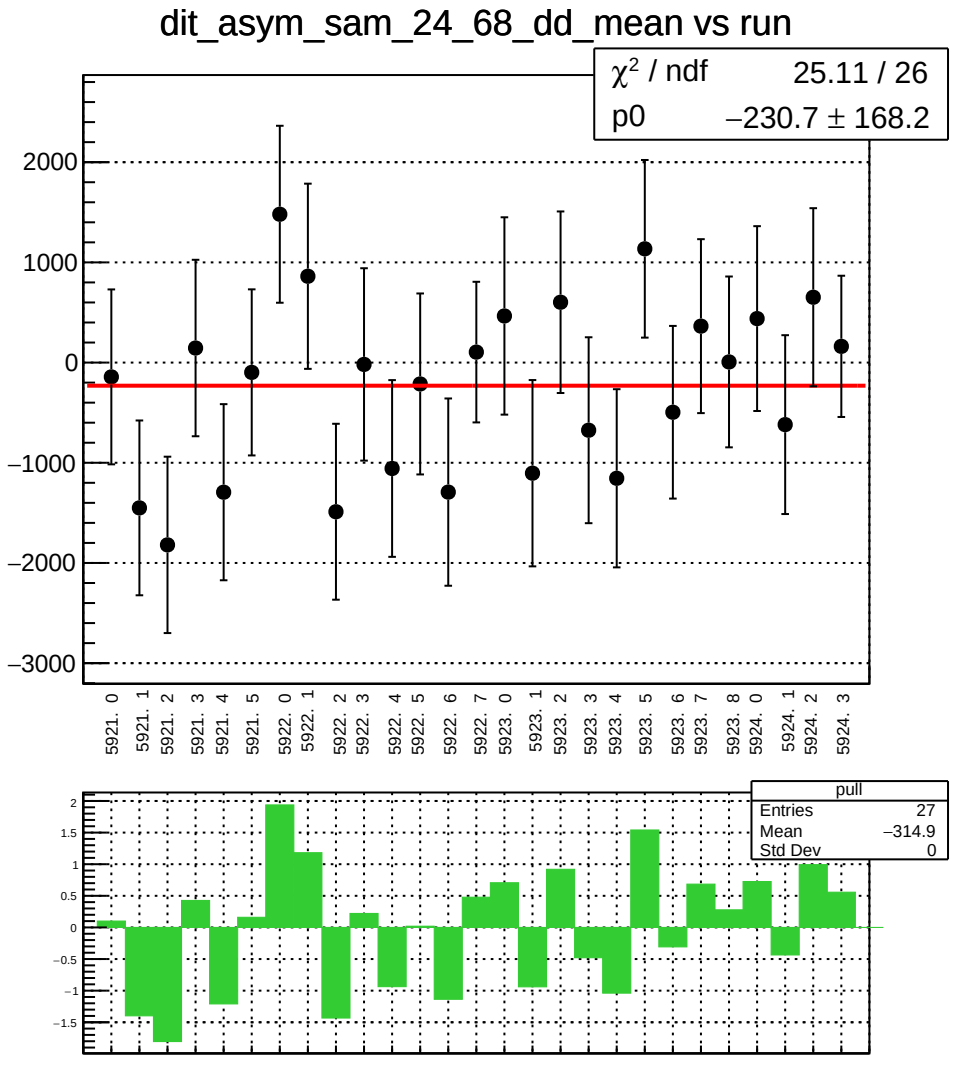

eigen_cor_asym_sam_24_68_dd_mean vs run
χ² / ndf 19.42 / 26
p0 −111.7 ± 150.4
2000
1500
1000
500
0
−500
−1000
−1500
−2000
−2500
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −103.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

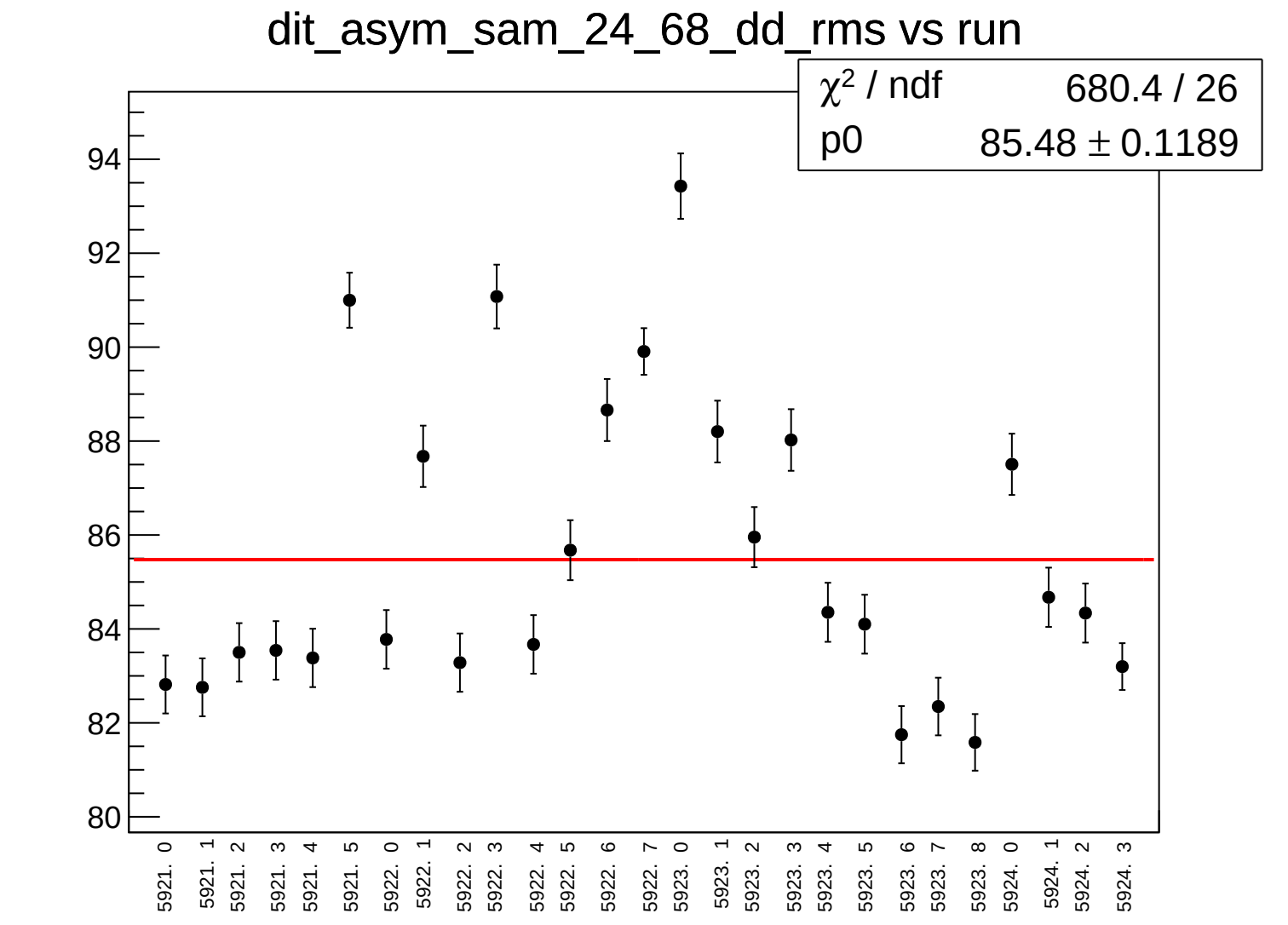

pull1D
Entries 27
Mean −0.008646
Std Dev 0.8481
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

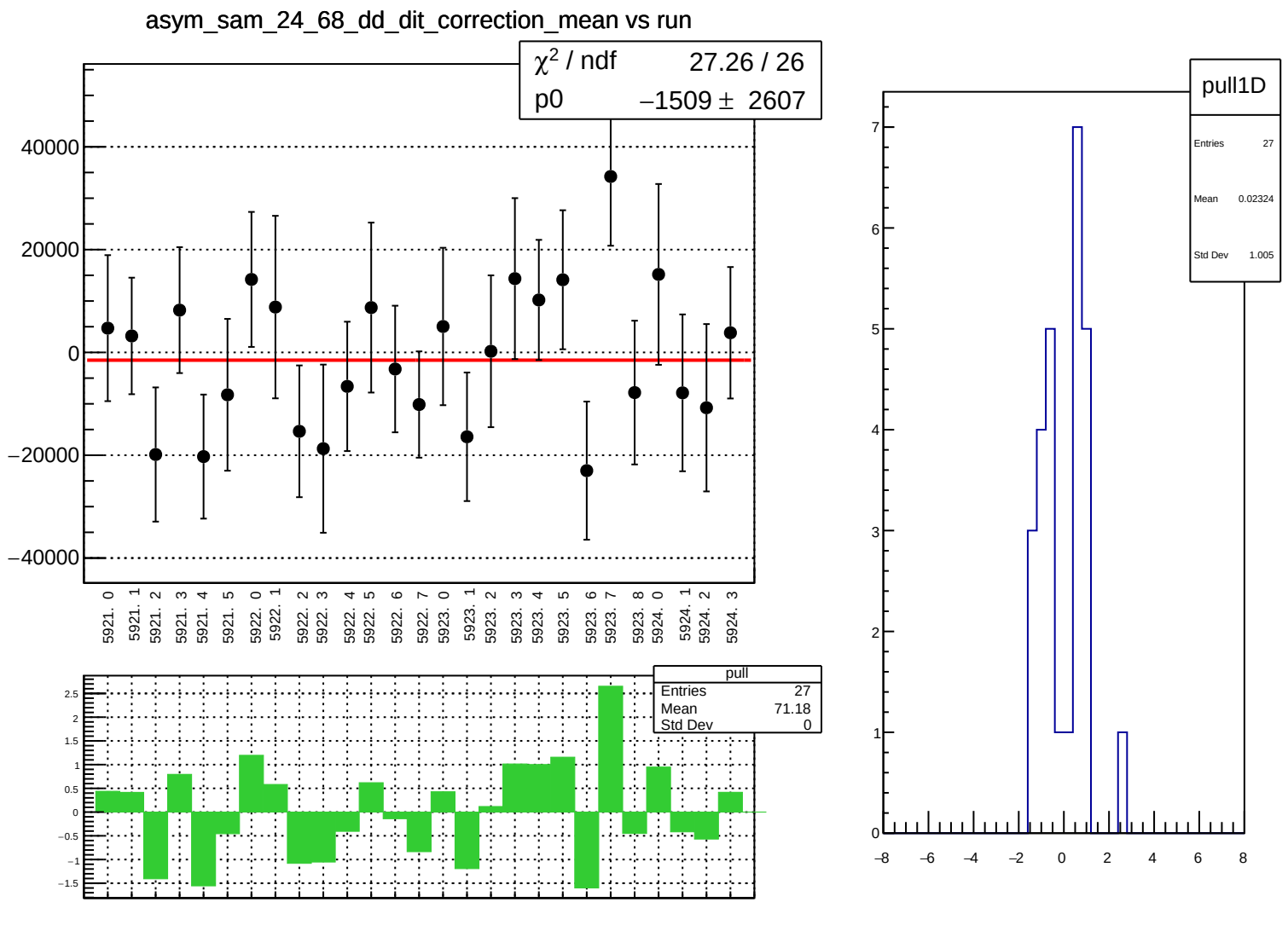

eigen_cor_asym_sam_24_68_dd_rms vs run
χ² / ndf 416.2 / 26
p0 76.47 ± 0.1064
84
82
80
78
76
74
72
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

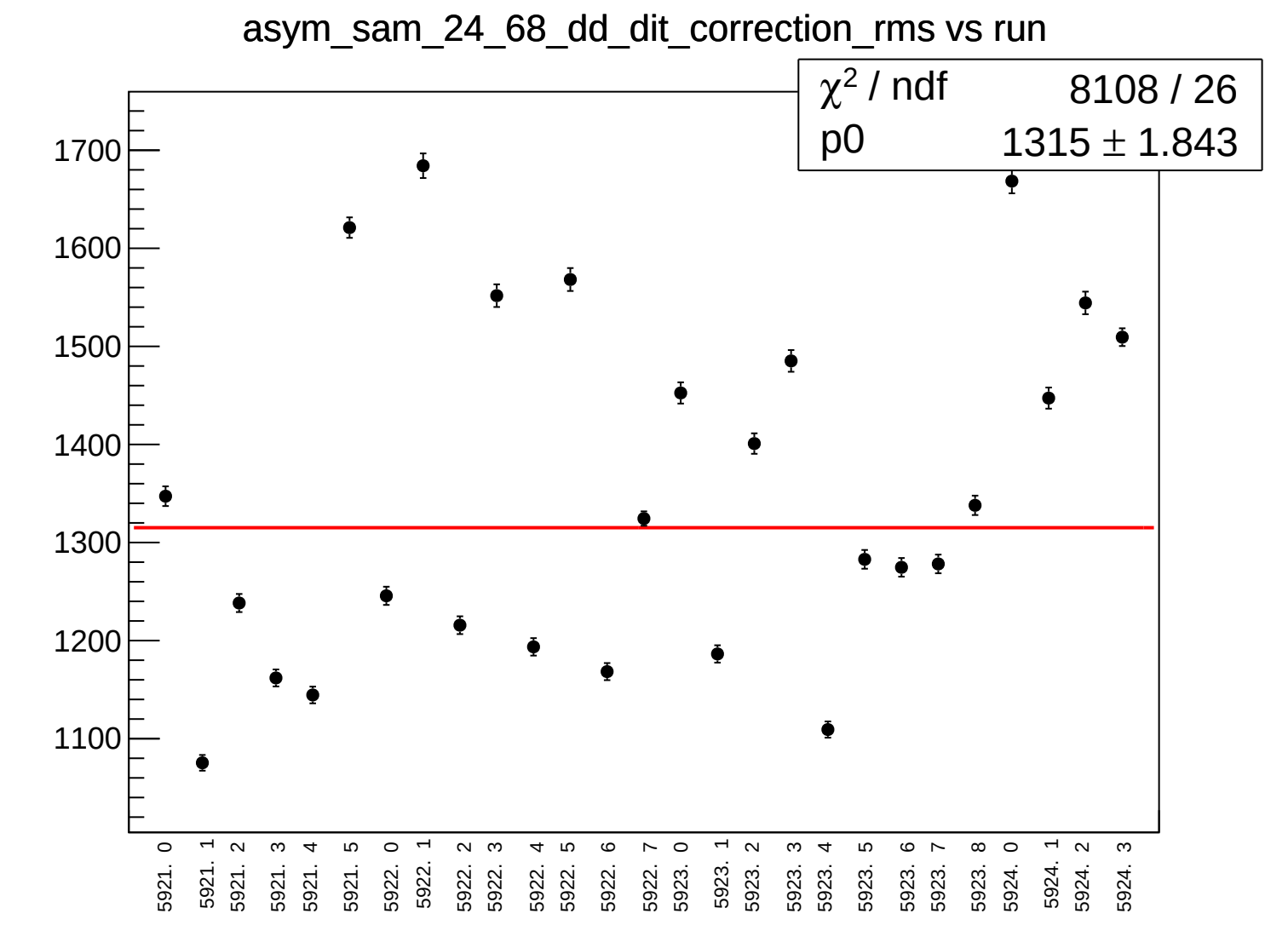

asym_sam_24_68_dd_eigen_cor_correction_mean vs run
χ² / ndf 27.11 / 26
p0 −1403 ± 2562
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 66.54
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.02411
Std Dev 1.002
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

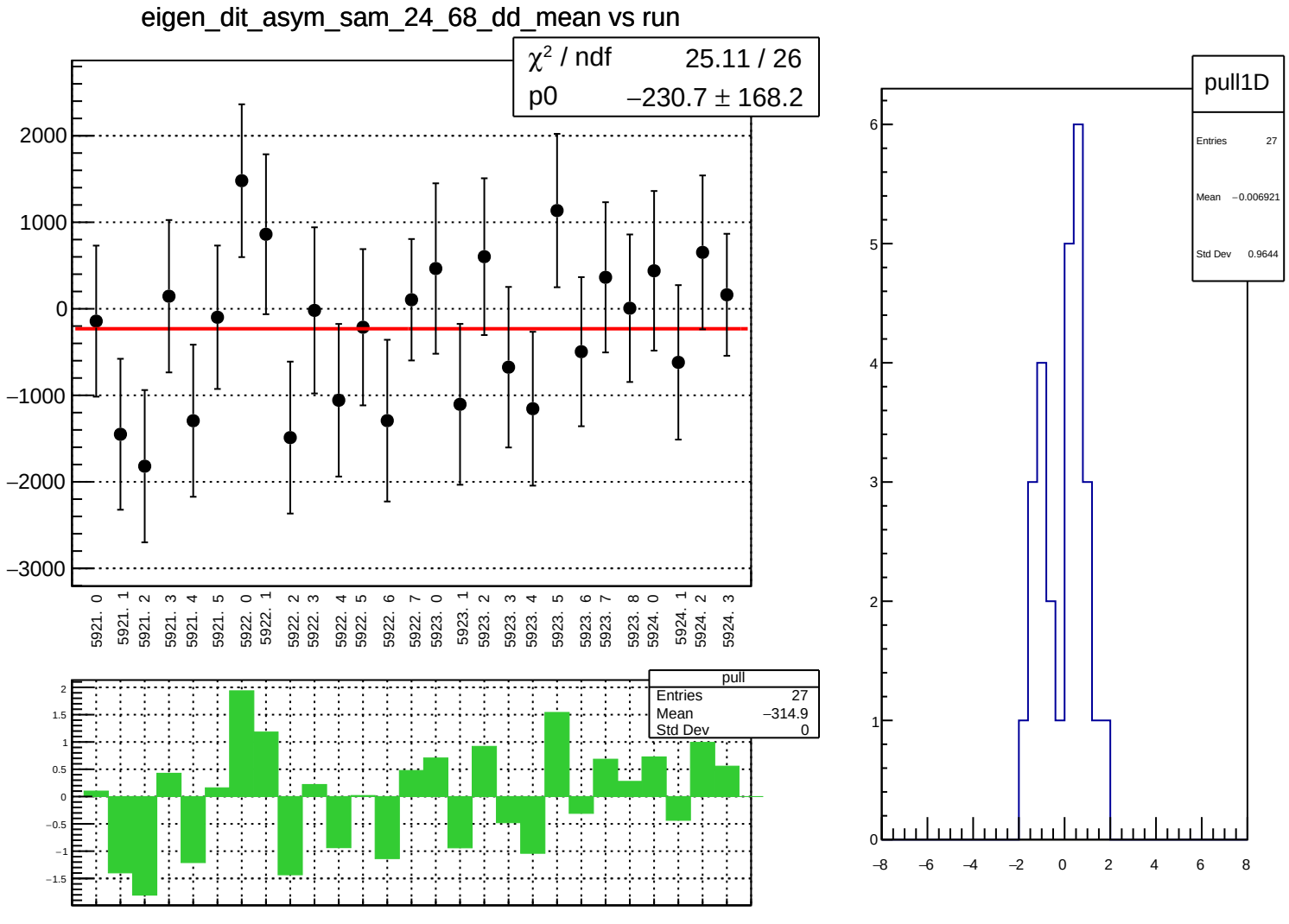

asym_sam_24_68_dd_eigen_cor_correction_rms vs run
χ² / ndf 8424 / 26
p0 1292 ± 1.812
1700
1600
1500
1400
1300
1200
1100
1000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

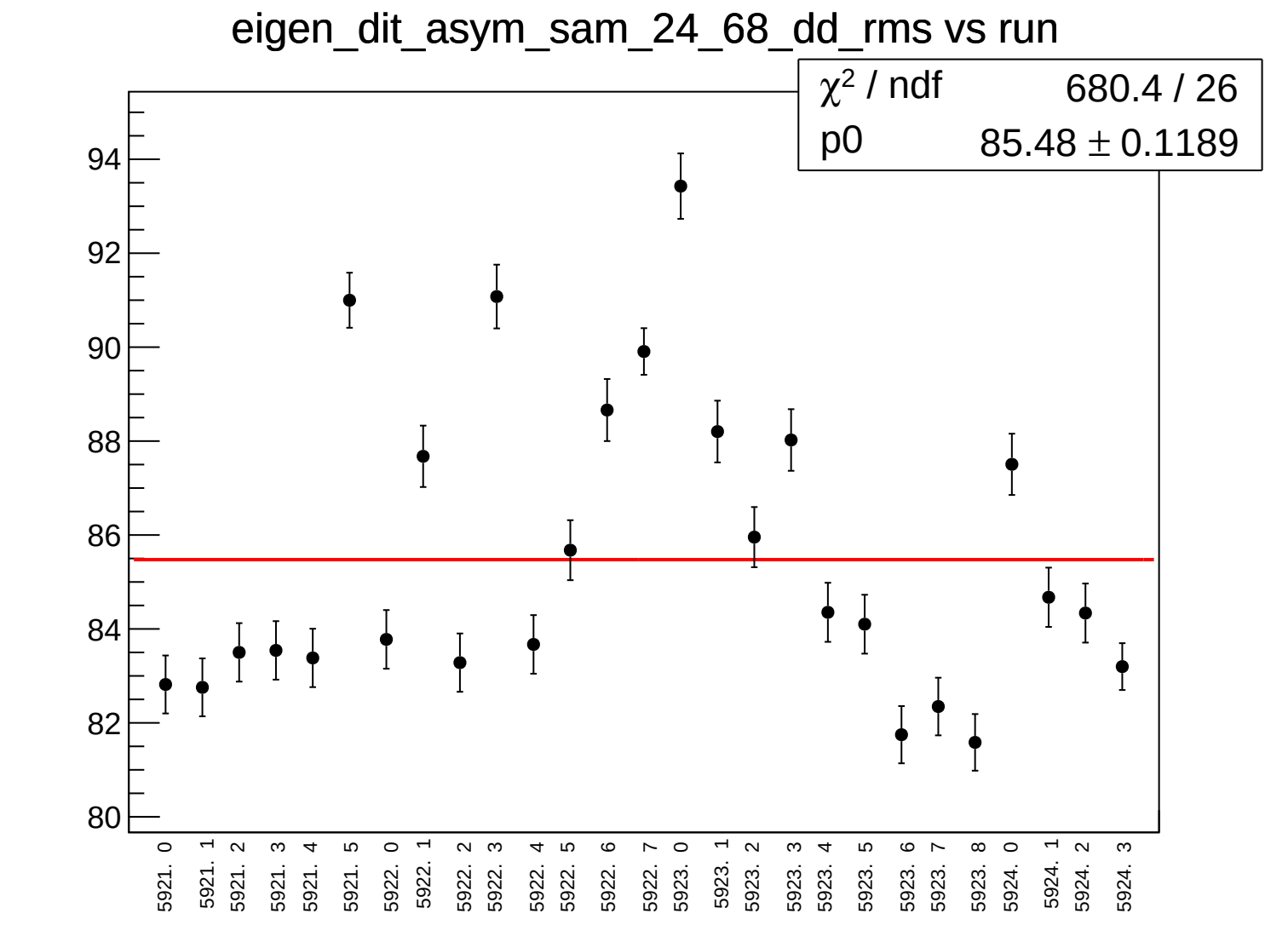

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 25.11 / 26
p0 −230.7 ± 168.2
2000
1000
0
−1000
−2000
−3000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −314.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.006921
Std Dev 0.9644
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

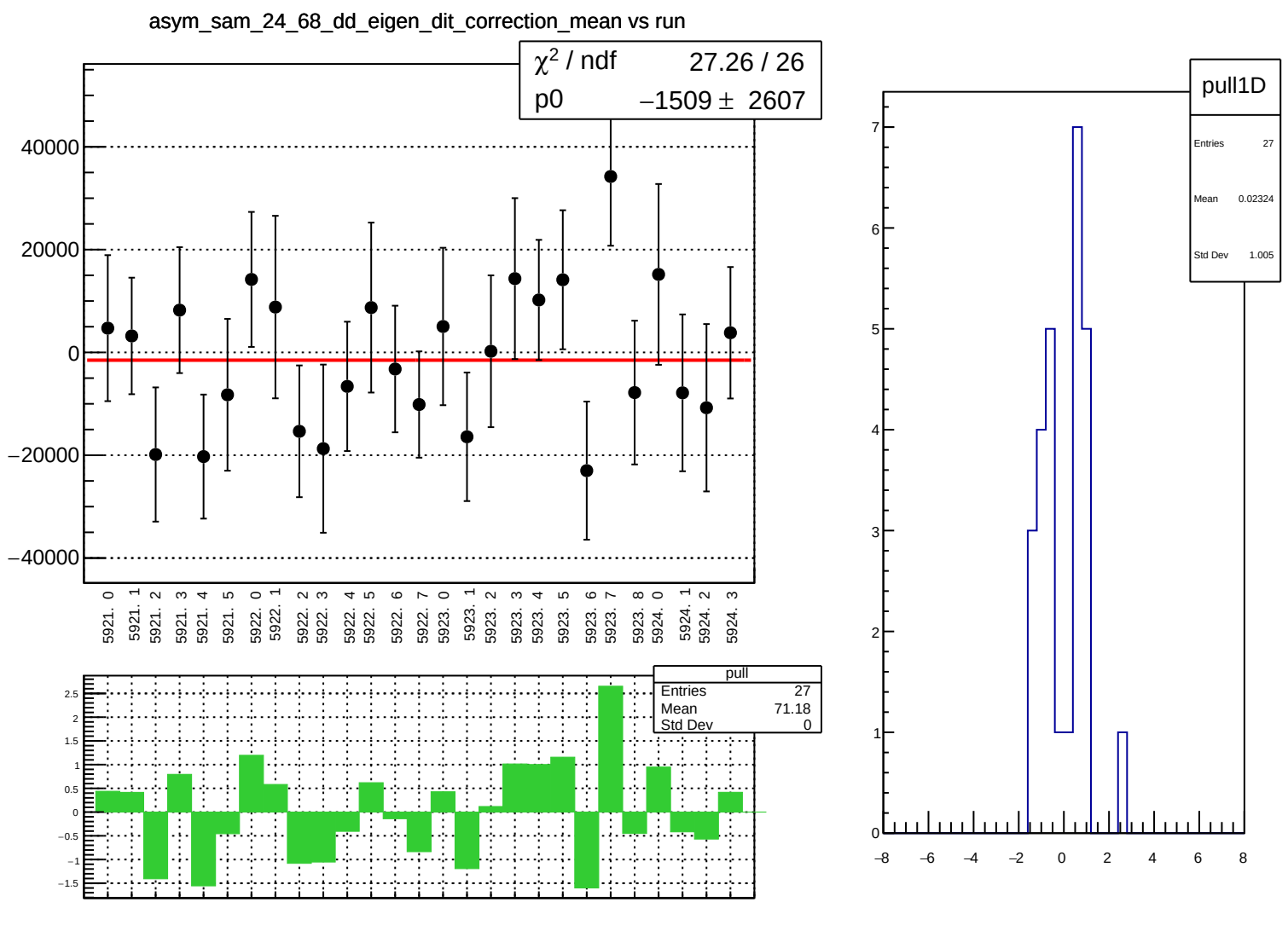

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 680.4 / 26
p0 85.48 ± 0.1189
94
92
90
88
86
84
82
80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

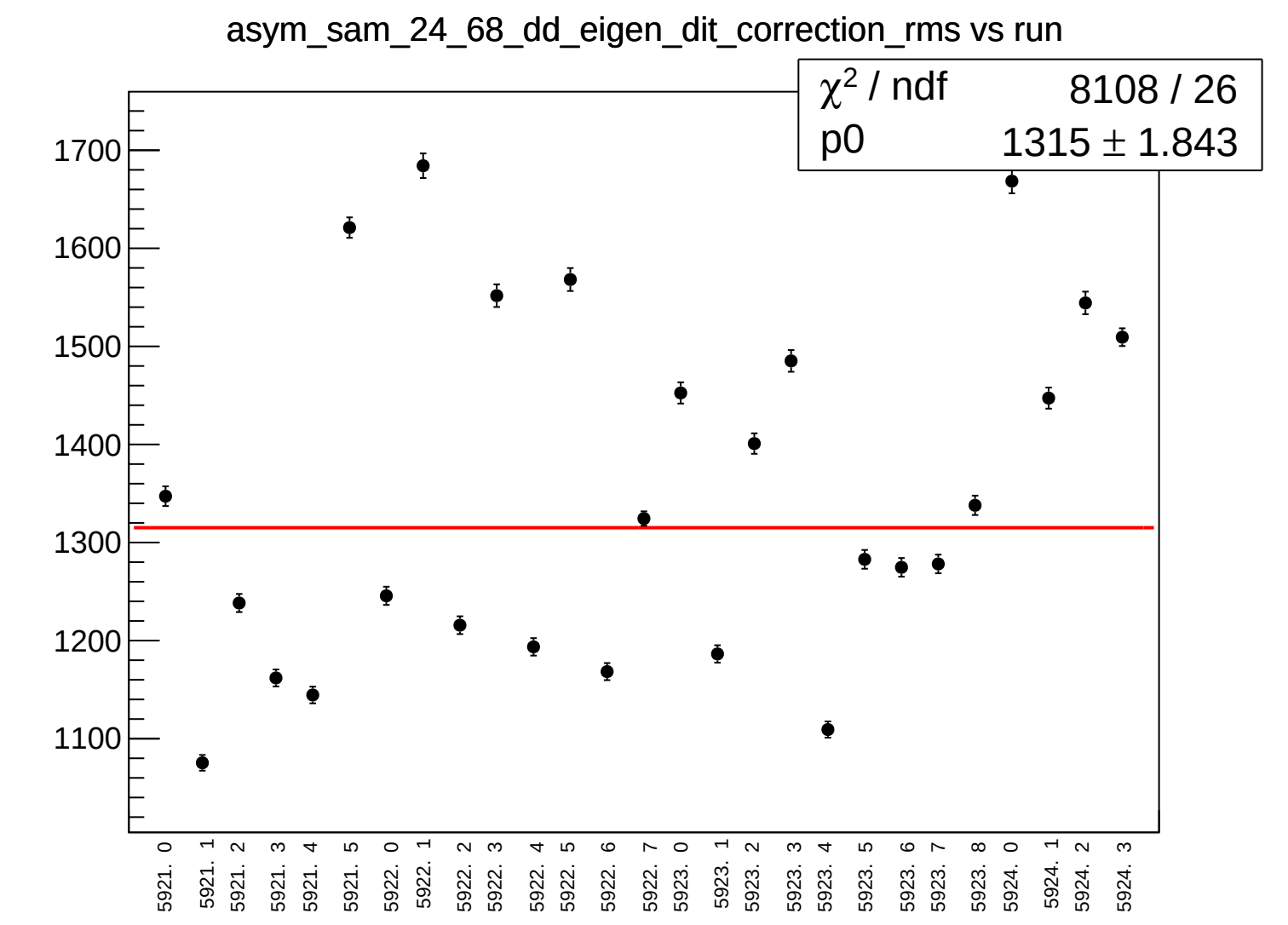

asym_sam_24_68_dd_dit_correction_mean vs run
χ² / ndf 27.26 / 26
p0 −1509 ± 2607
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 71.18
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.02324
Std Dev 1.005
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

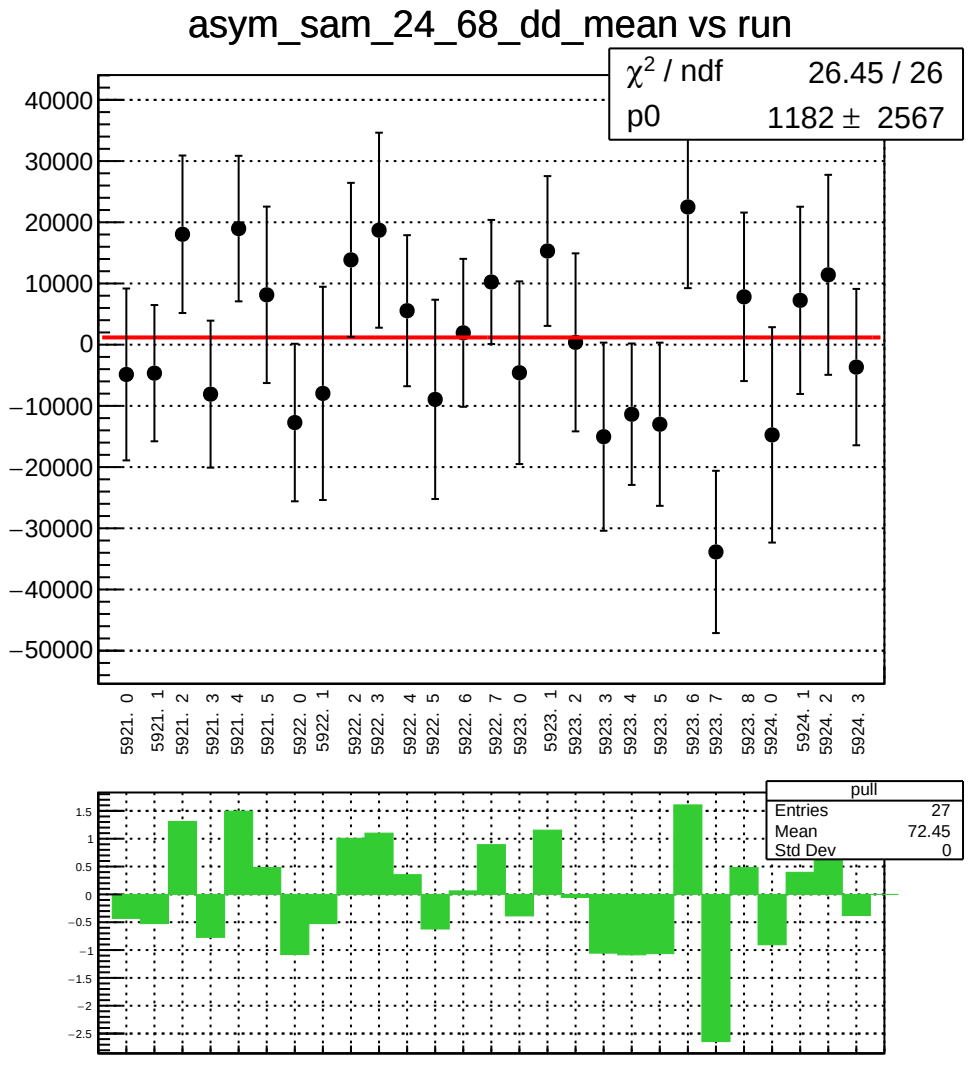

asym_sam_24_68_dd_dit_correction_rms vs run
χ² / ndf 8108 / 26
p0 1315 ± 1.843
1700
1600
1500
1400
1300
1200
1100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

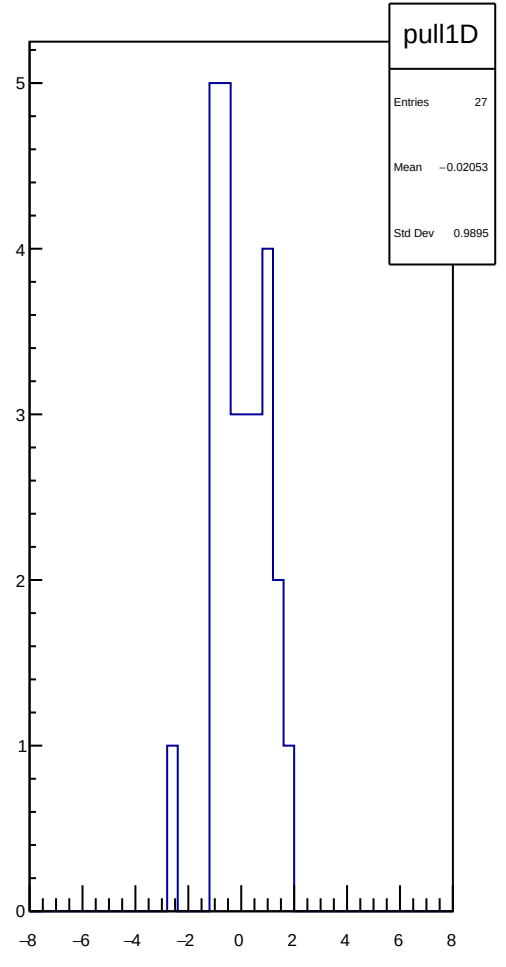

eigen_dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 25.11 / 26
p0 −230.7 ± 168.2
2000
1000
0
−1000
−2000
−3000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −314.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.006921
Std Dev 0.9644
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

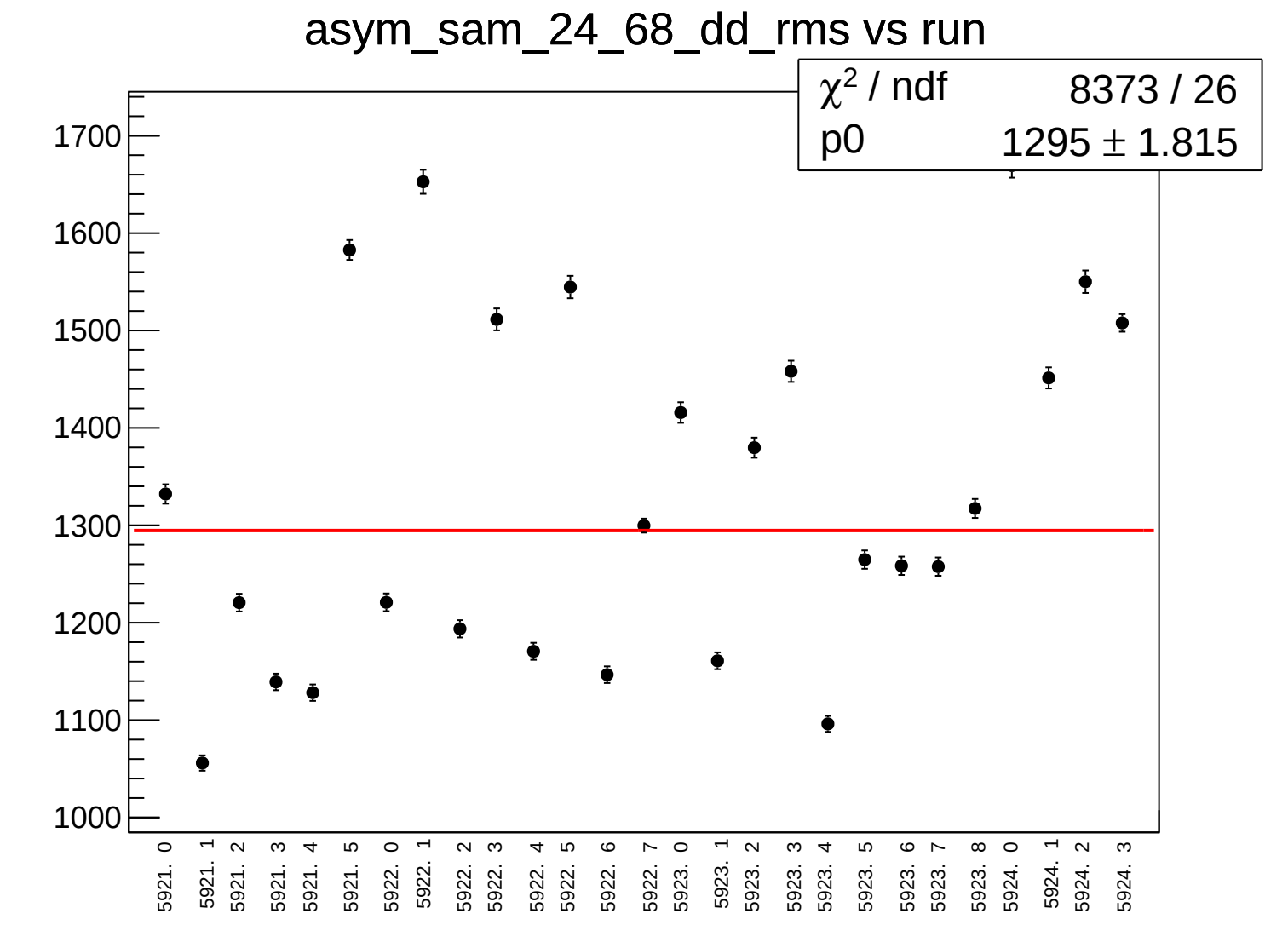

eigen_dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 680.4 / 26
p0 85.48 ± 0.1189
94
92
90
88
86
84
82
80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

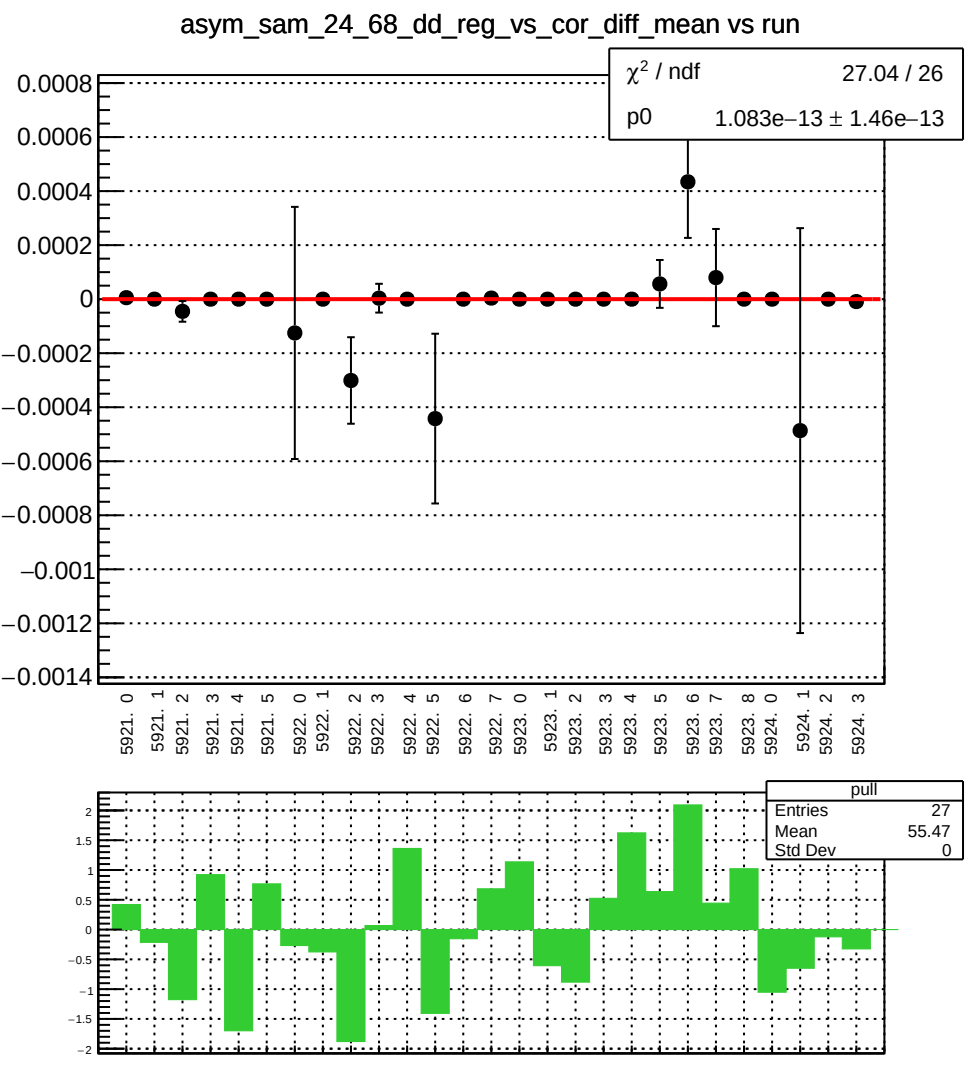

asym_sam_24_68_dd_eigen_dit_correction_mean vs run
χ² / ndf 27.26 / 26
p0 −1509 ± 2607
40000
20000
0
−20000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 71.18
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.02324
Std Dev 1.005
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

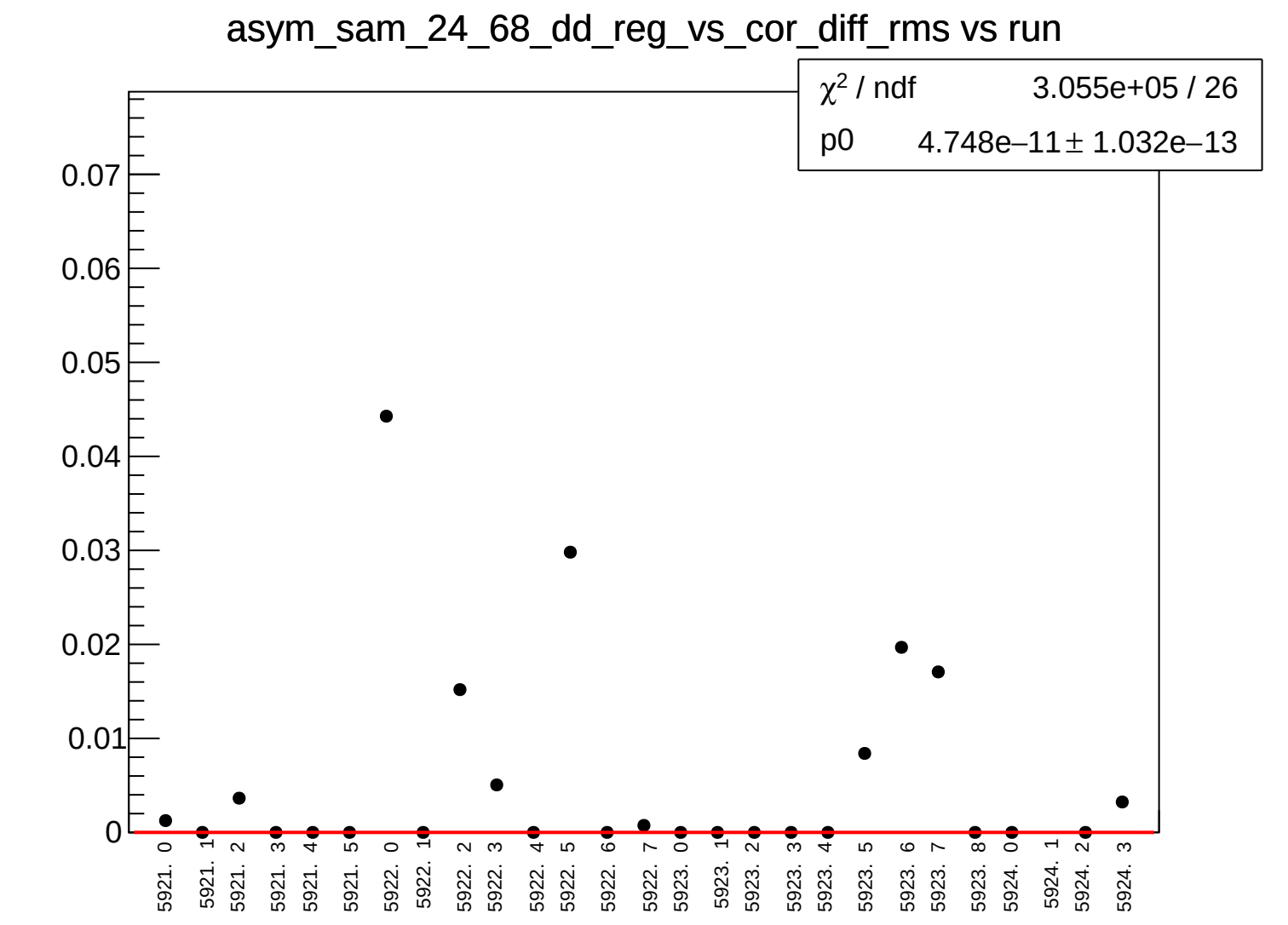

asym_sam_24_68_dd_eigen_dit_correction_rms vs run
χ² / ndf 8108 / 26
p0 1315 ± 1.843
1700
1600
1500
1400
1300
1200
1100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

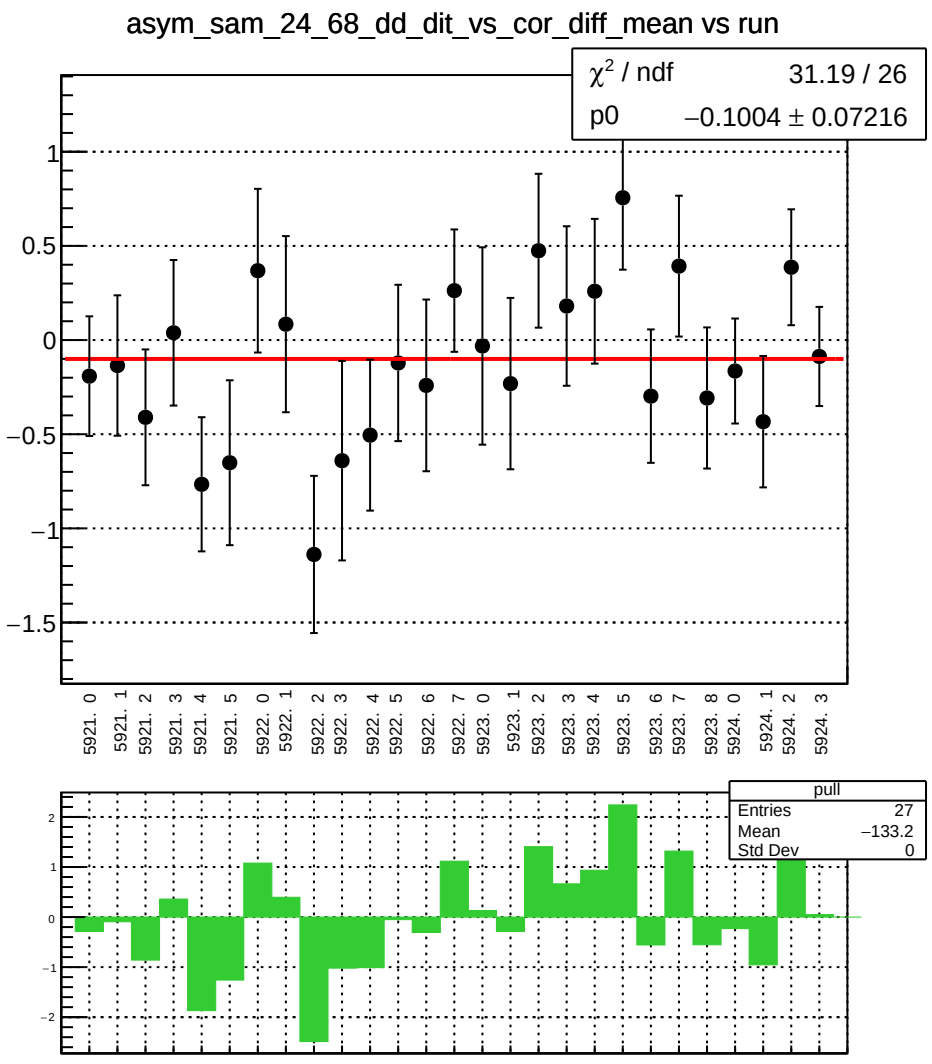

asym_sam_24_68_dd_mean vs run
χ² / ndf 26.45 / 26
p0 1182 ± 2567
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 72.45
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

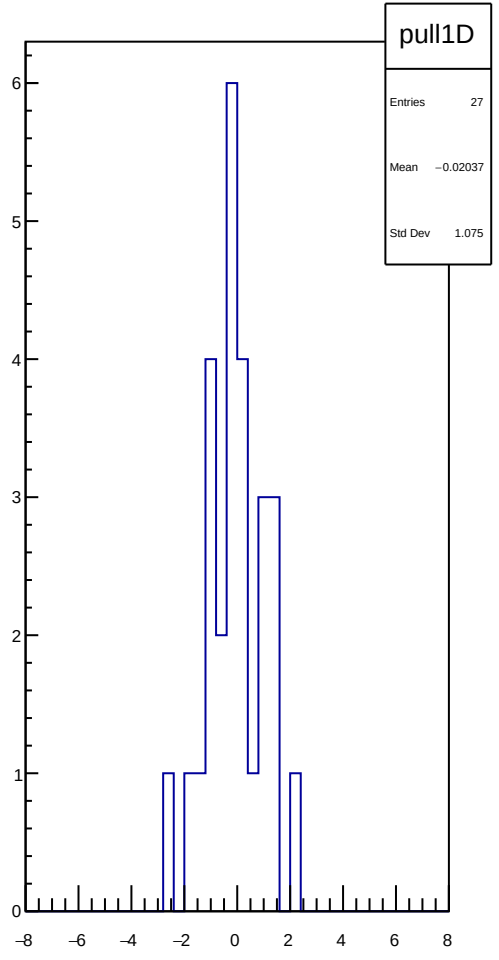

pull1D
Entries 27
Mean −0.02053
Std Dev 0.9895
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

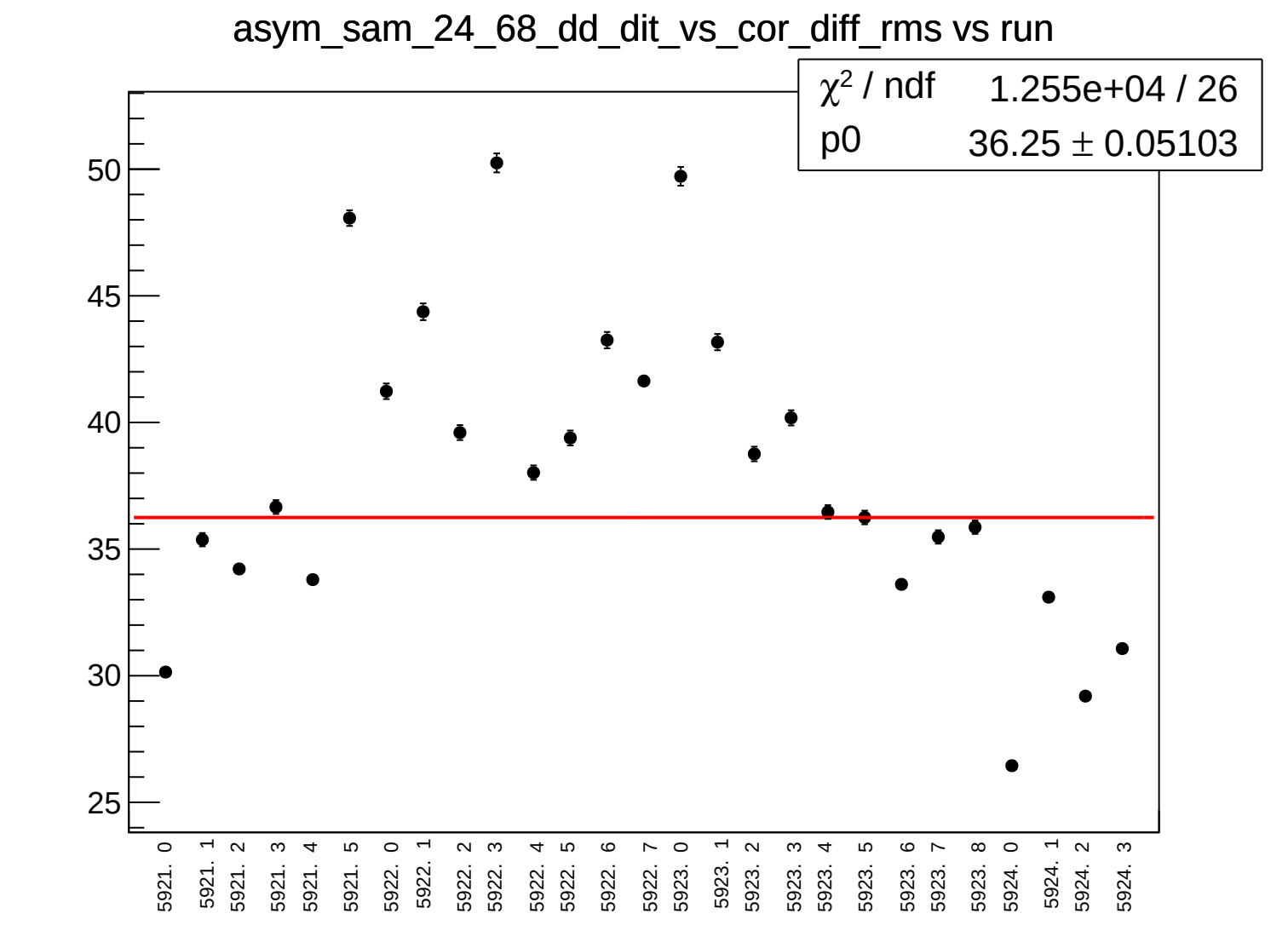

asym_sam_24_68_dd_rms vs run
χ² / ndf 8373 / 26
p0 1295 ± 1.815
1700
1600
1500
1400
1300
1200
1100
1000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

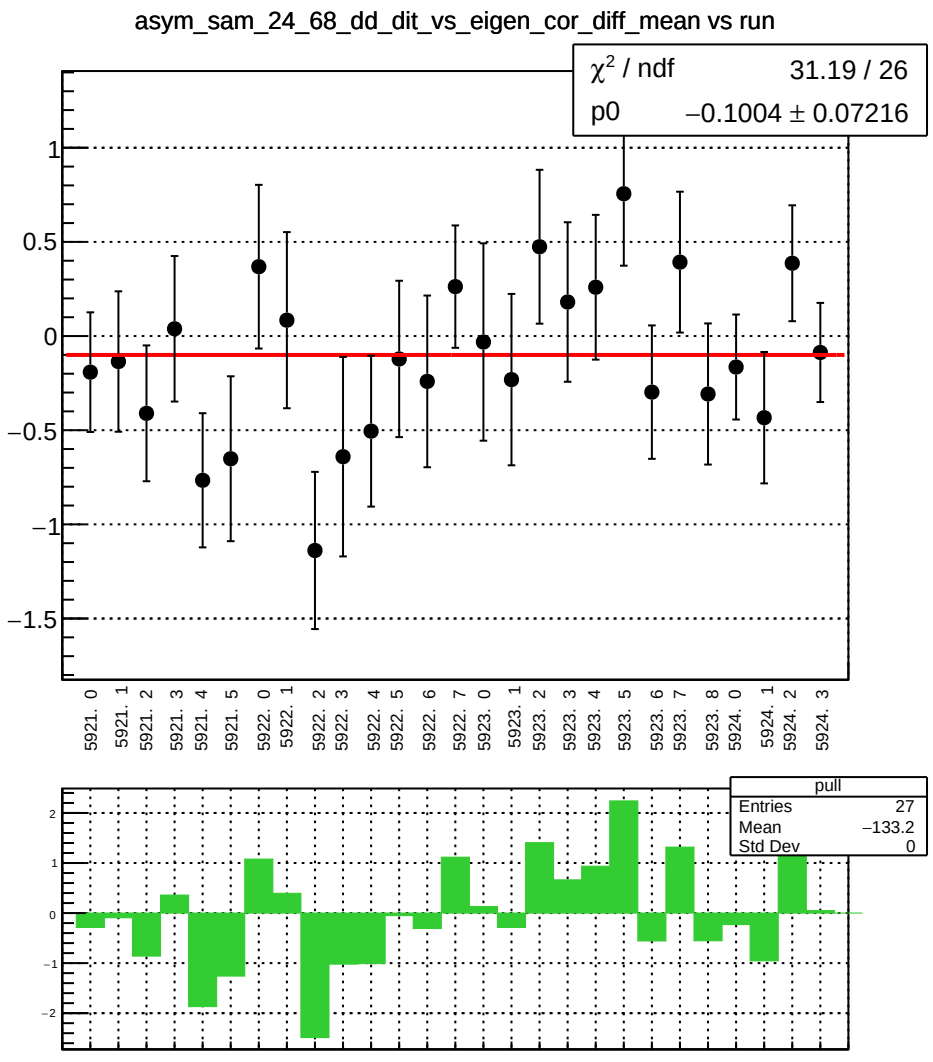

asym_sam_24_68_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 27.04 / 26
p0 1.083e−13 ± 1.46e−13
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
−0.001
−0.0012
−0.0014
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 55.47
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean 0.03309
Std Dev 1
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

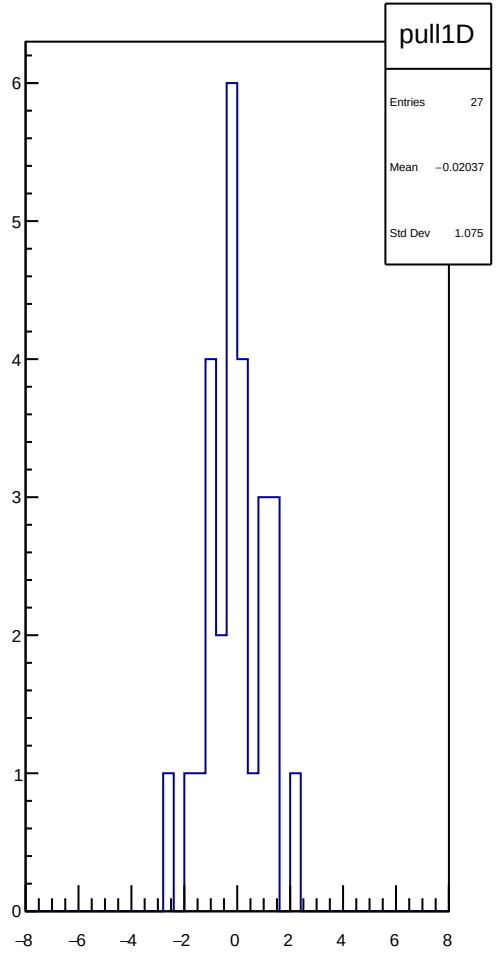

asym_sam_24_68_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.055e+05 / 26
p0 4.748e−11 ± 1.032e−13
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

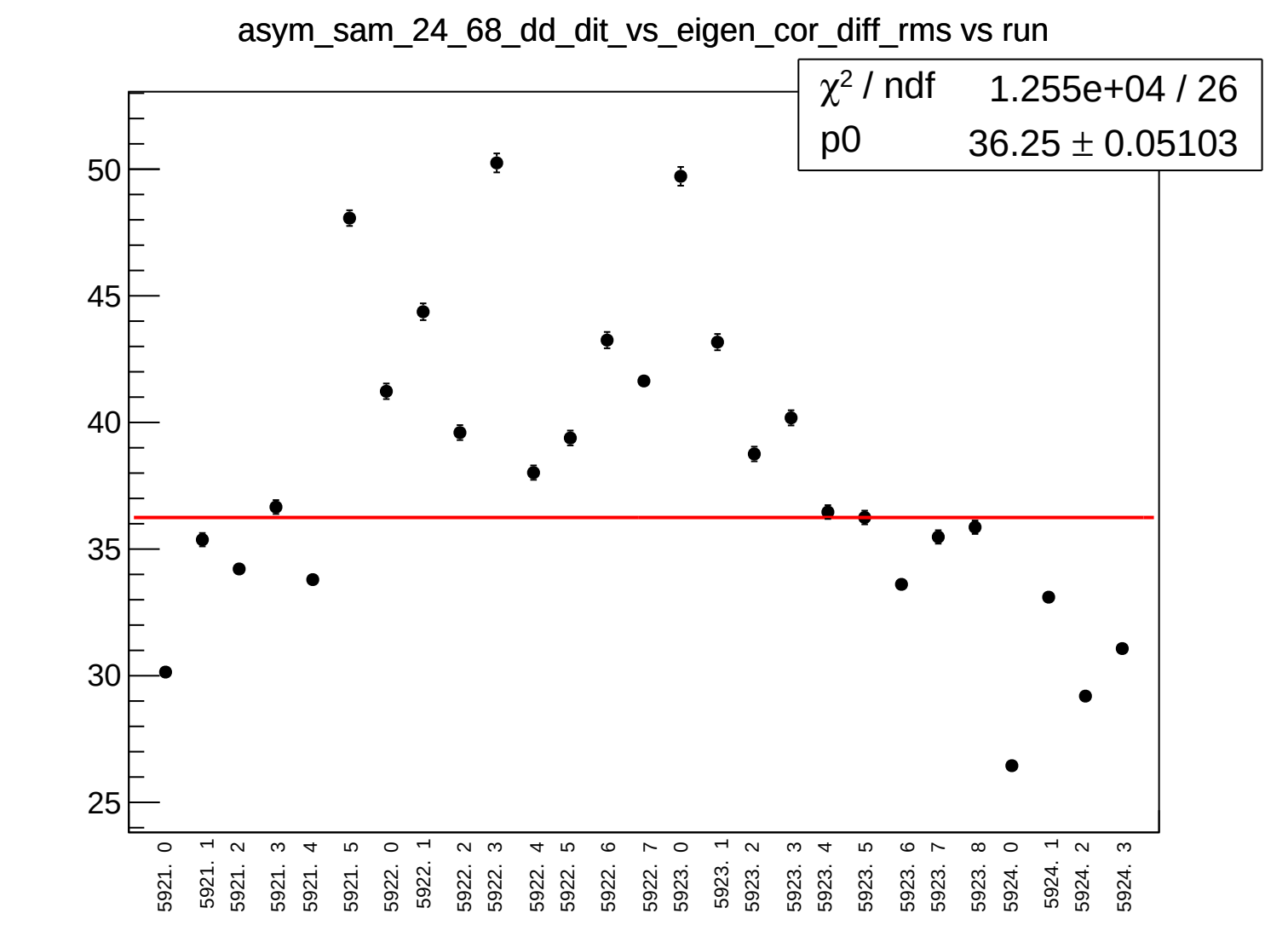

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 31.19 / 26
p0 −0.1004 ± 0.07216
1
0.5
0
−0.5
−1
−1.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −133.2
Std Dev 0
2
1
0
−1
−2

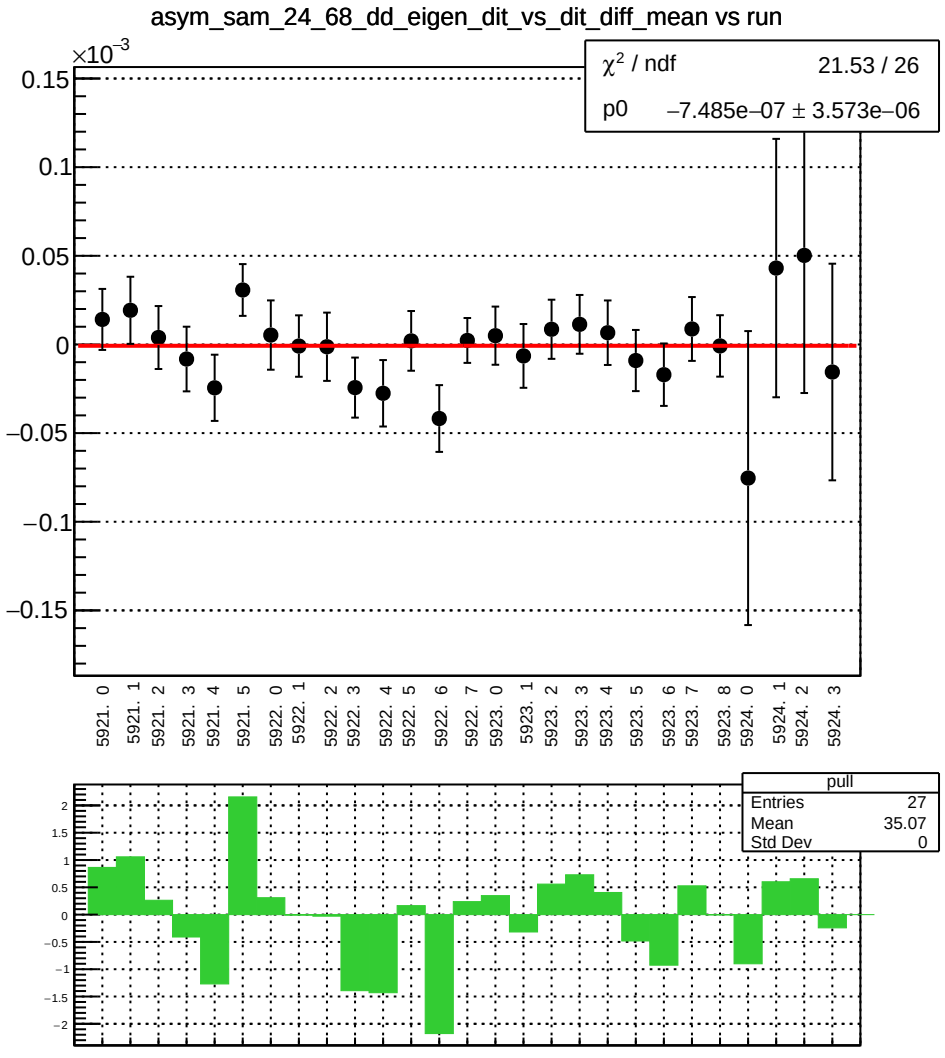

pull1D
Entries 27
Mean −0.02037
Std Dev 1.075
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

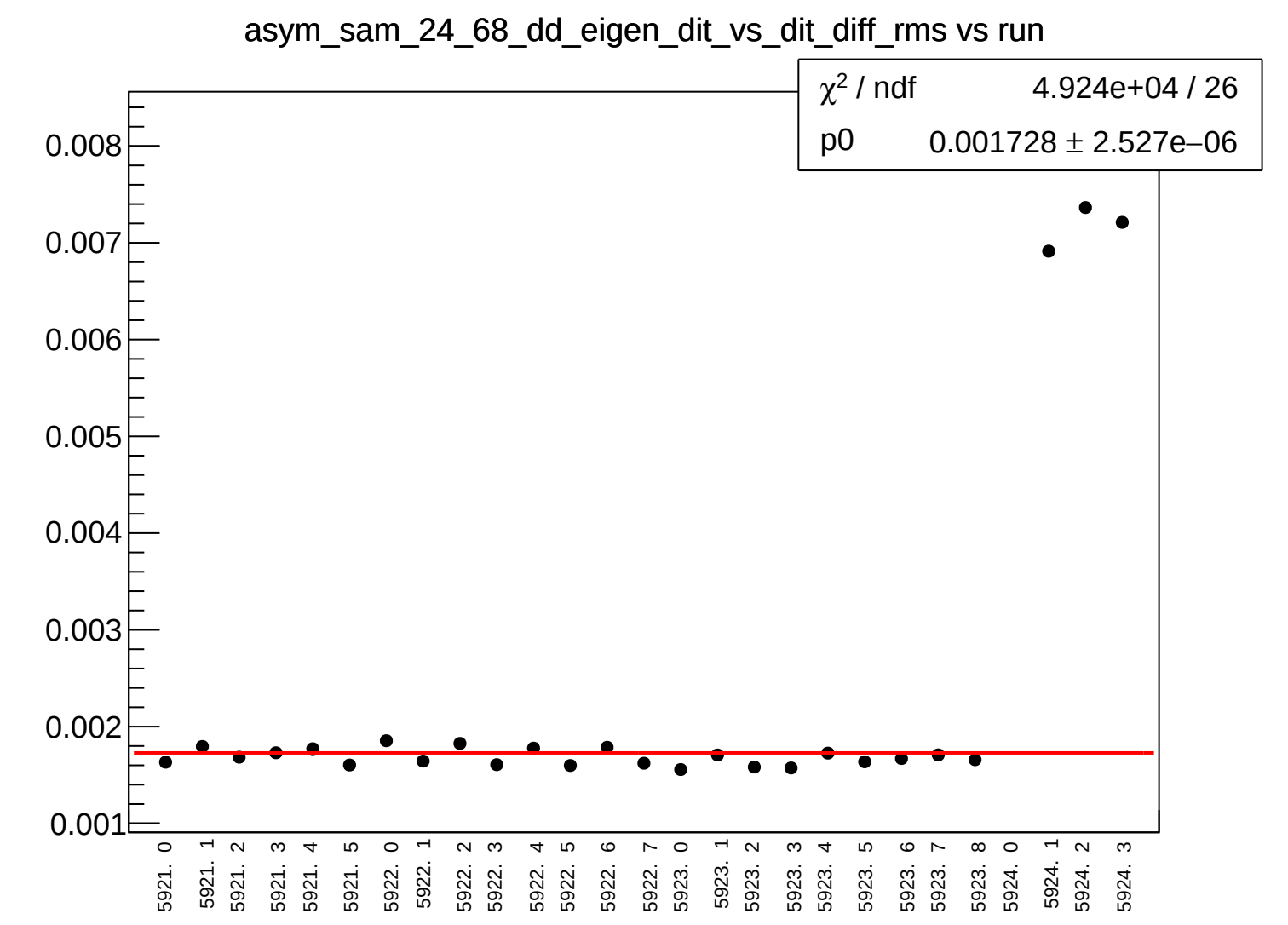

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.255e+04 / 26
p0 36.25 ± 0.05103
50
45
40
35
30
25
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

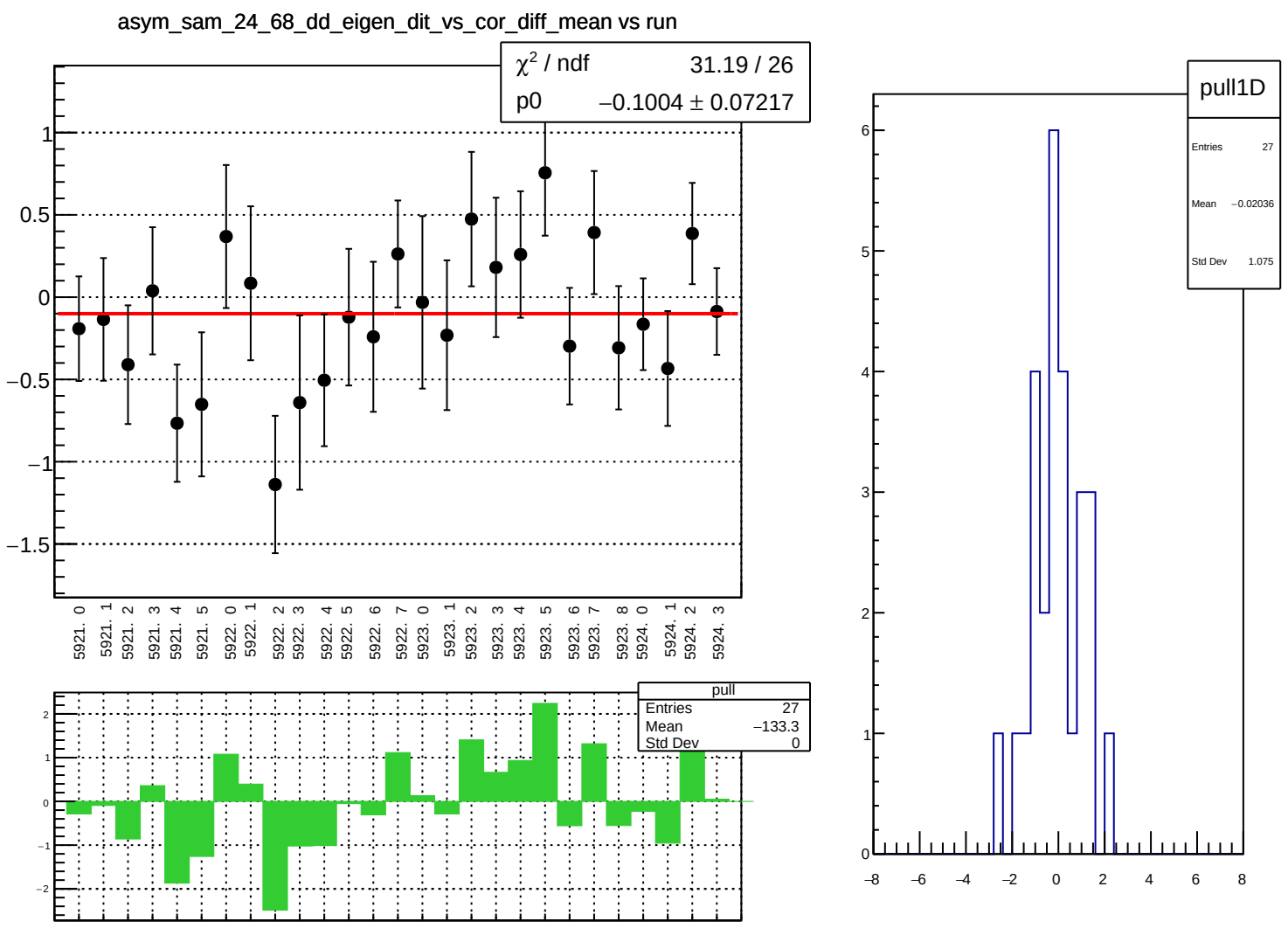

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 31.19 / 26
p0 −0.1004 ± 0.07216
1
0.5
0
−0.5
−1
−1.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −133.2
Std Dev 0
2
1
0
−1
−2

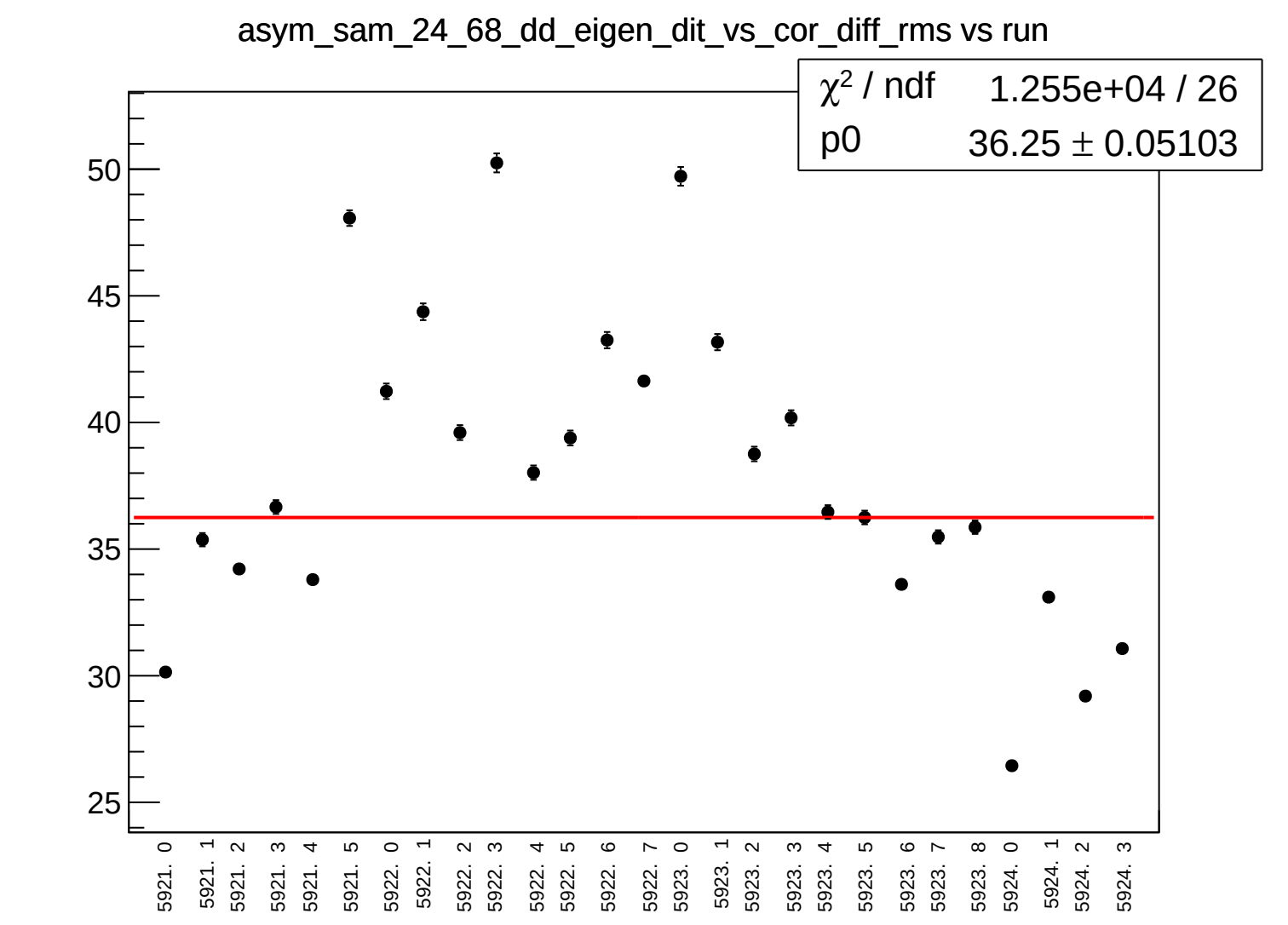

pull1D
Entries 27
Mean −0.02037
Std Dev 1.075
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

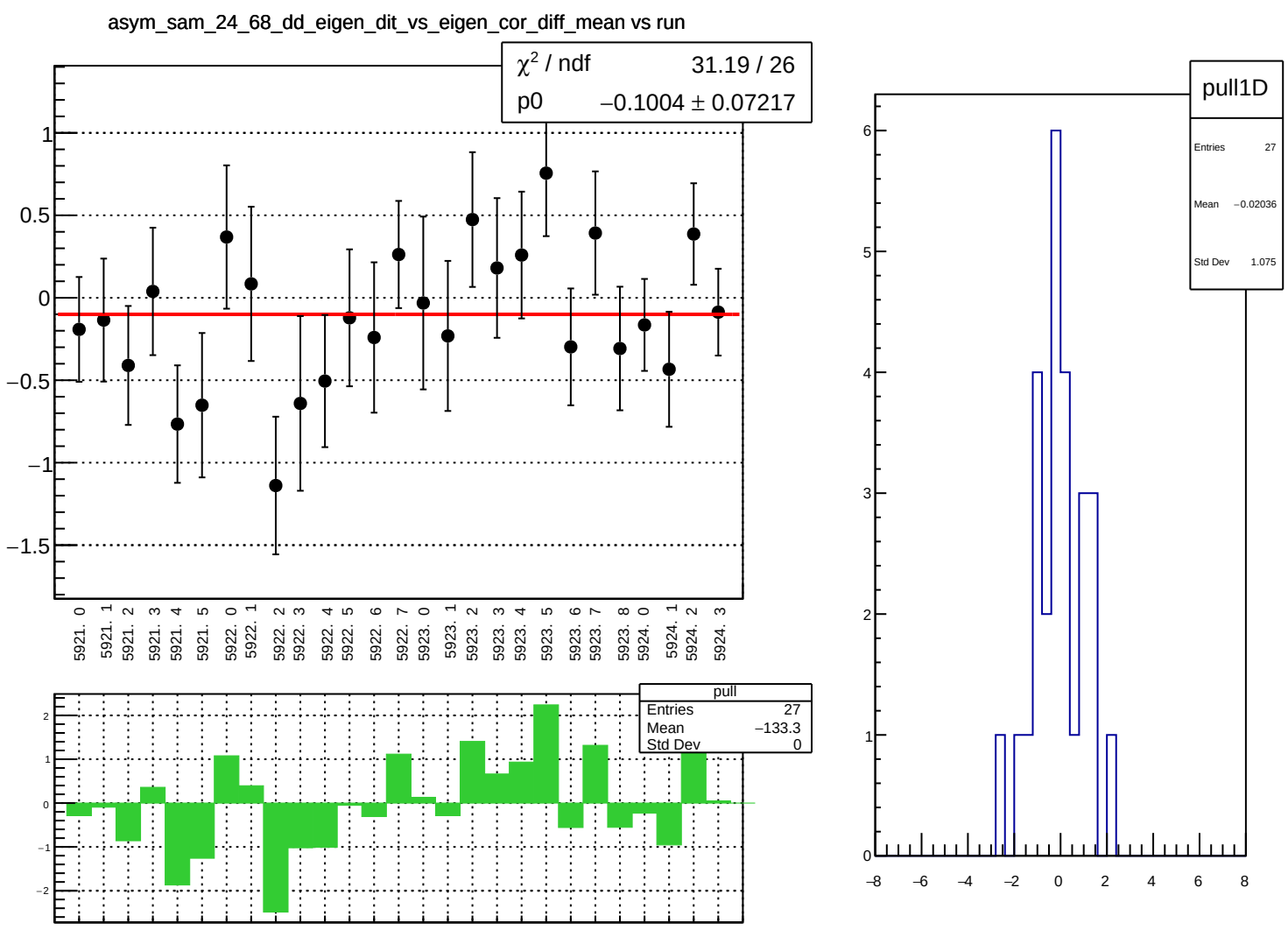

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.255e+04 / 26
p0 36.25 ± 0.05103
50
45
40
35
30
25
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

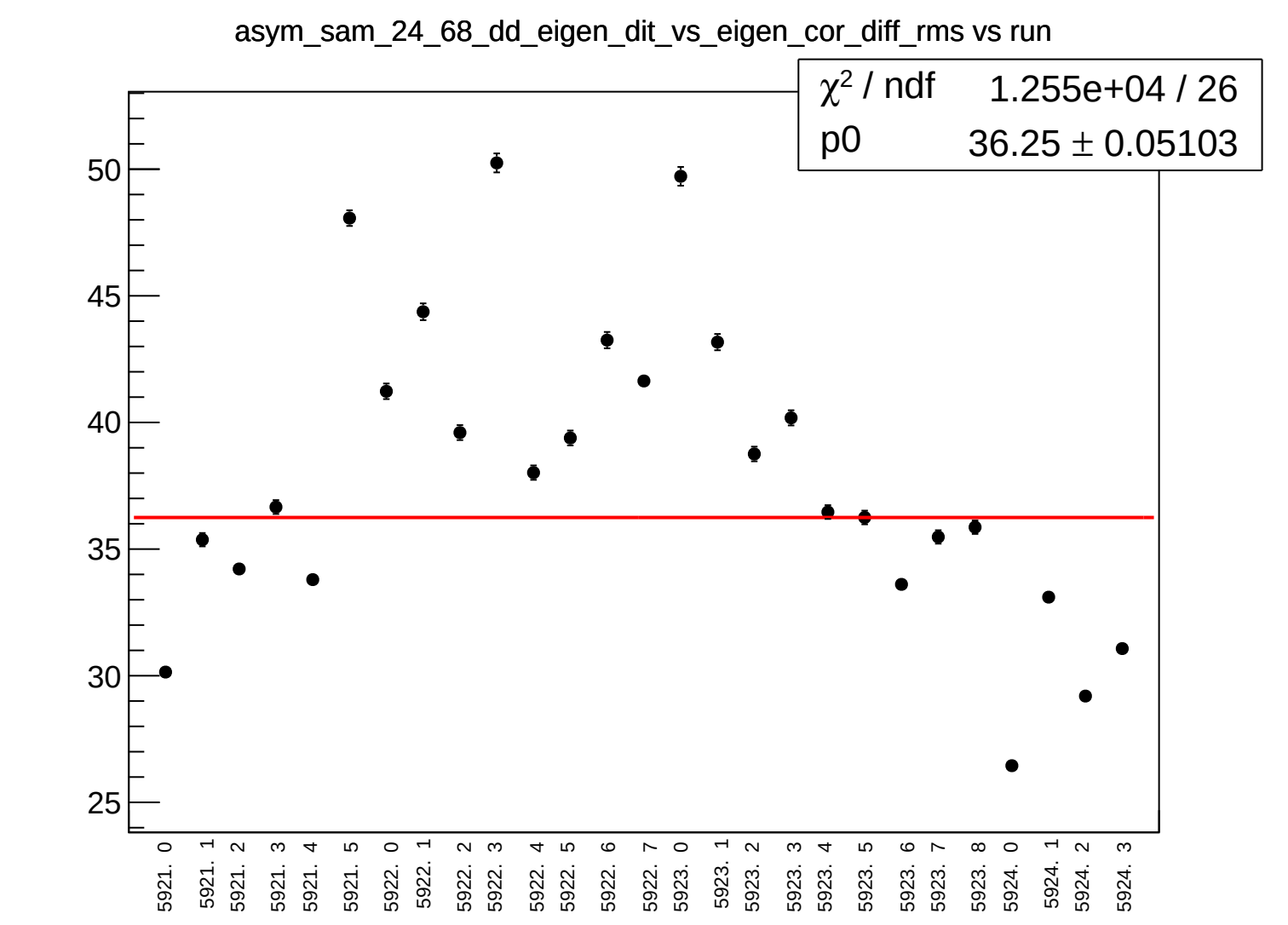

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 21.53 / 26
p0 −7.485e−07 ± 3.573e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 35.07
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.02632
Std Dev 0.8926
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

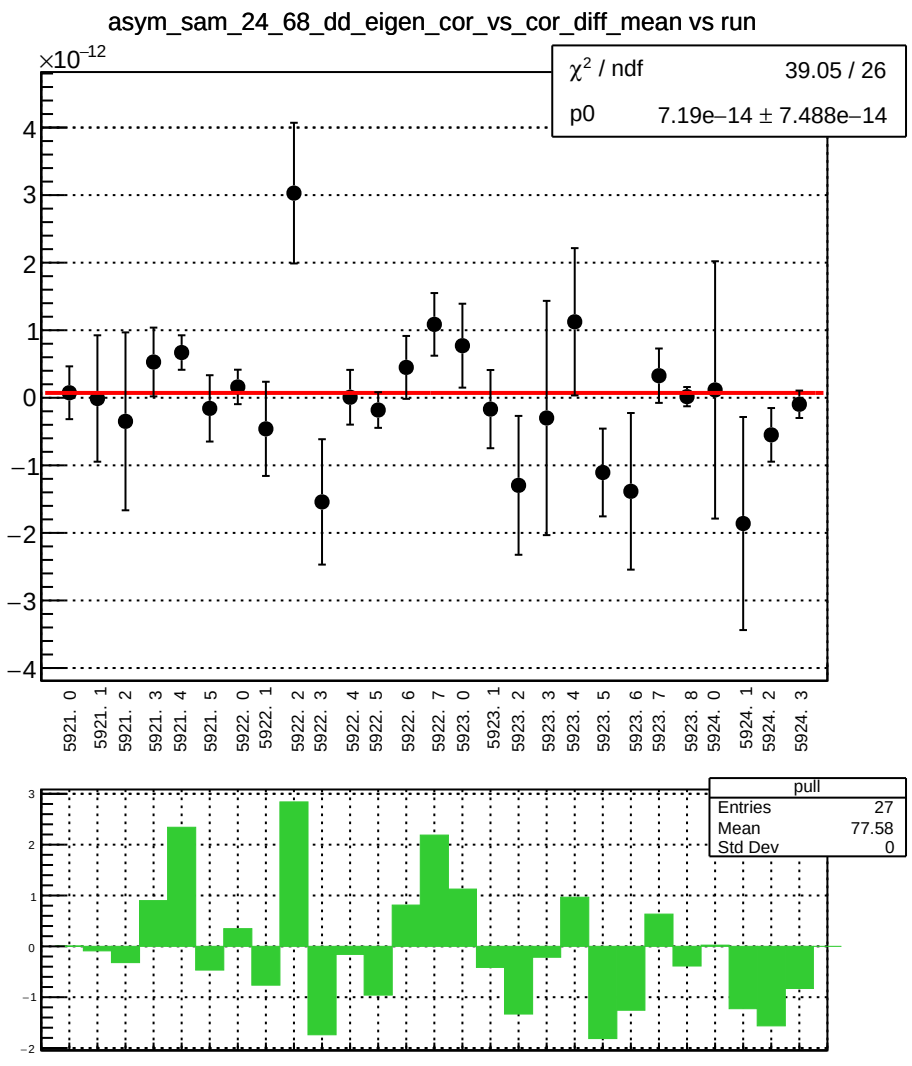

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.924e+04 / 26
p0 0.001728 ± 2.527e−06
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

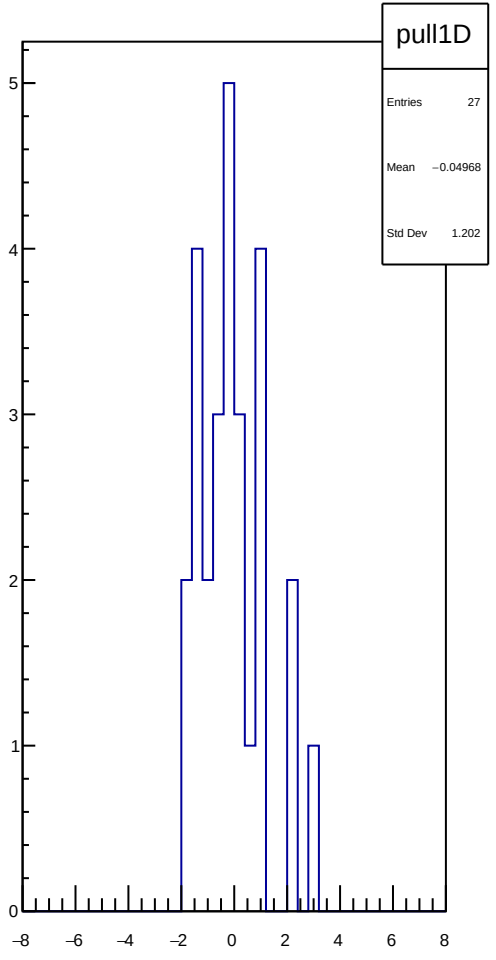

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 31.19 / 26
p0 −0.1004 ± 0.07217
1
0.5
0
−0.5
−1
−1.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −133.3
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean −0.02036
Std Dev 1.075
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

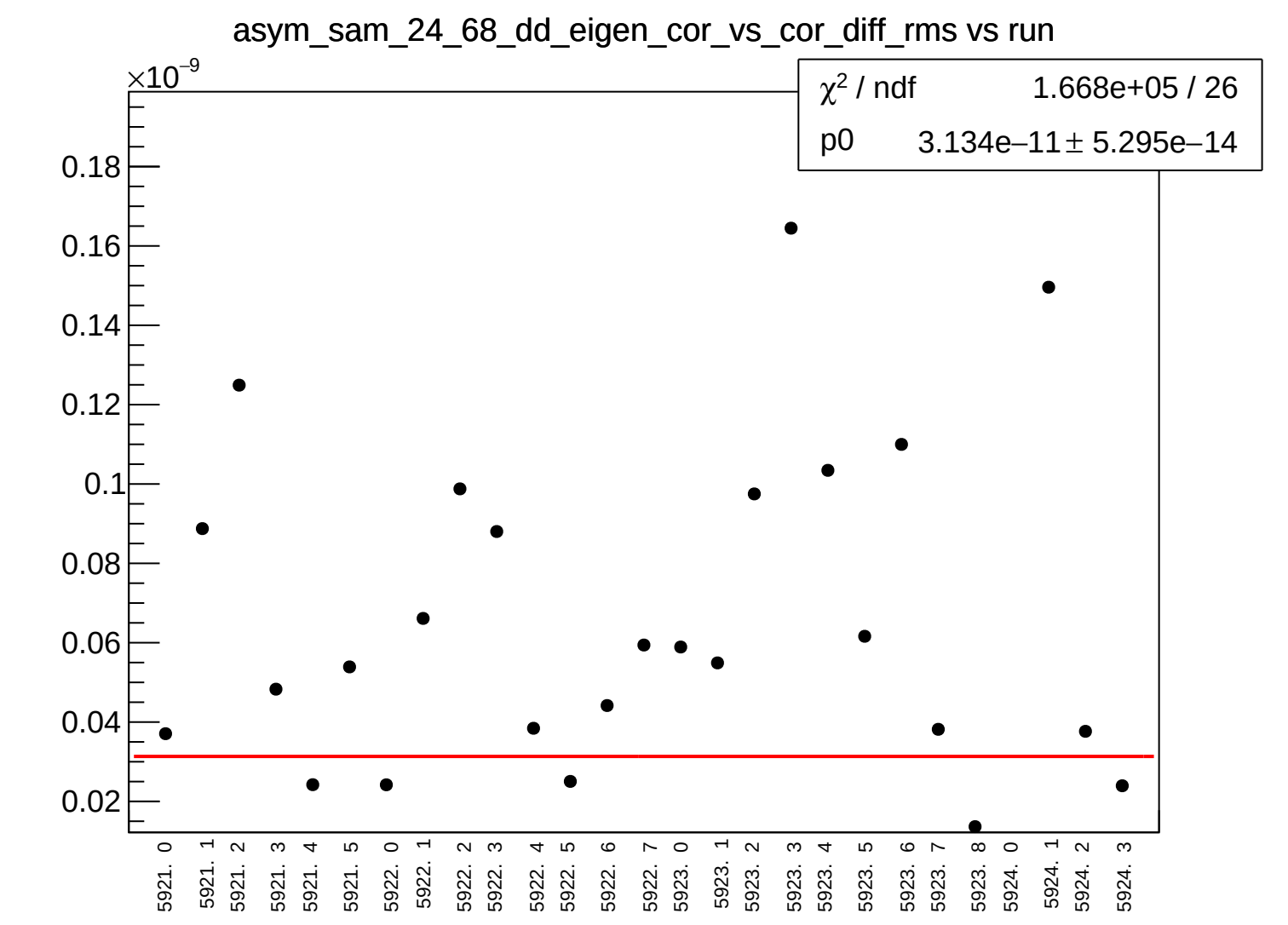

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.255e+04 / 26
p0 36.25 ± 0.05103
50
45
40
35
30
25
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

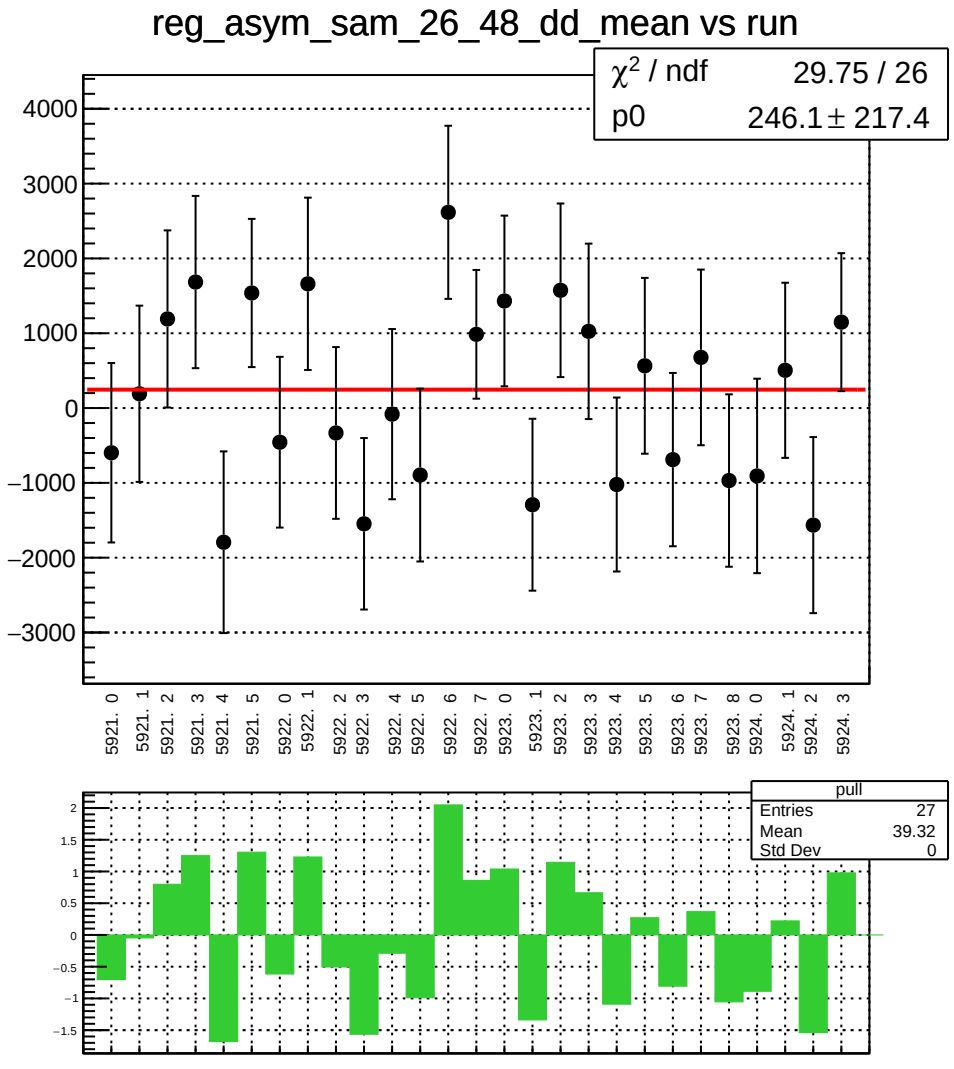

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 31.19 / 26
p0 −0.1004 ± 0.07217
1
0.5
0
−0.5
−1
−1.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −133.3
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean −0.02036
Std Dev 1.075
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

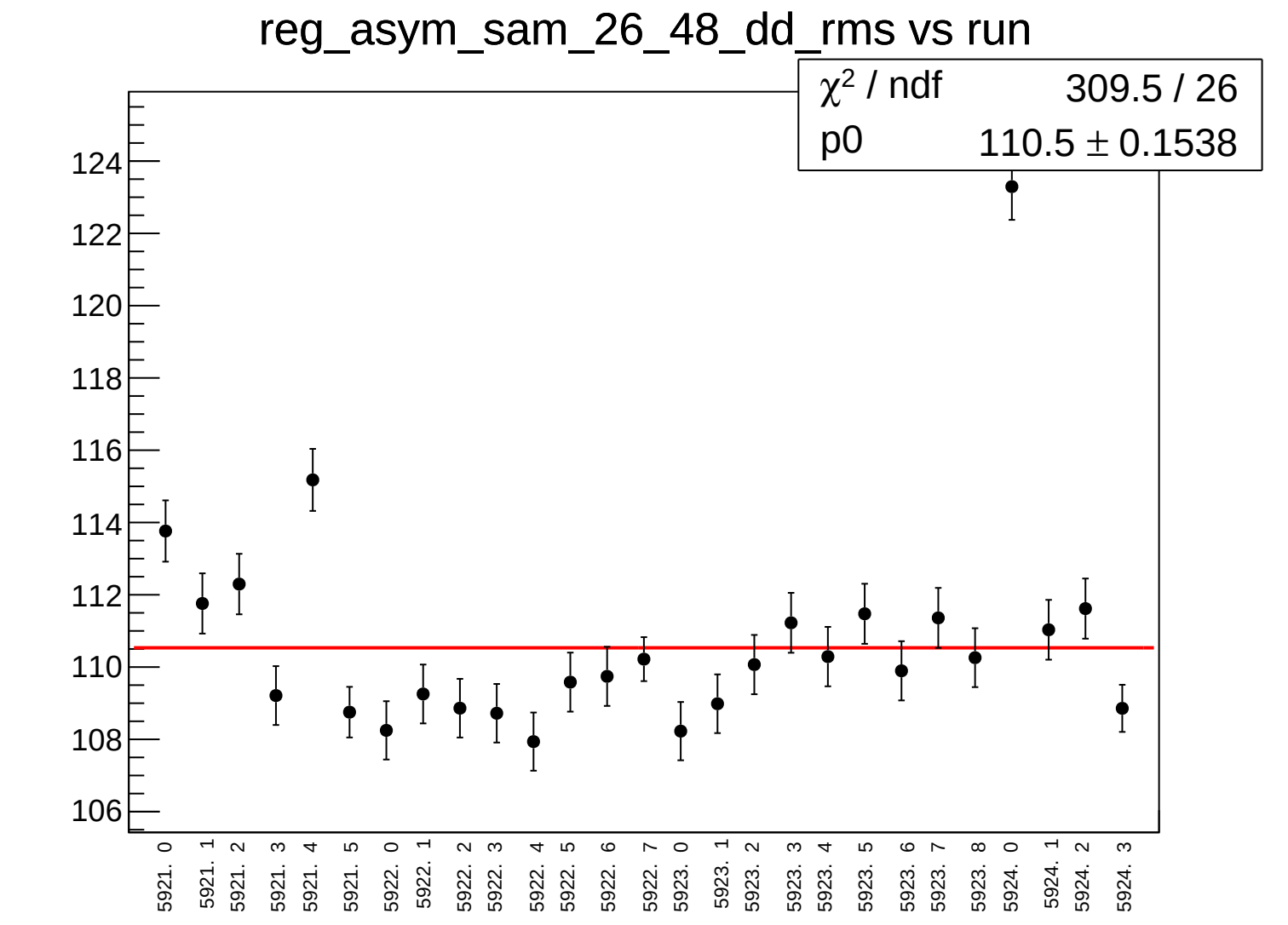

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.255e+04 / 26
p0 36.25 ± 0.05103
50
45
40
35
30
25
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

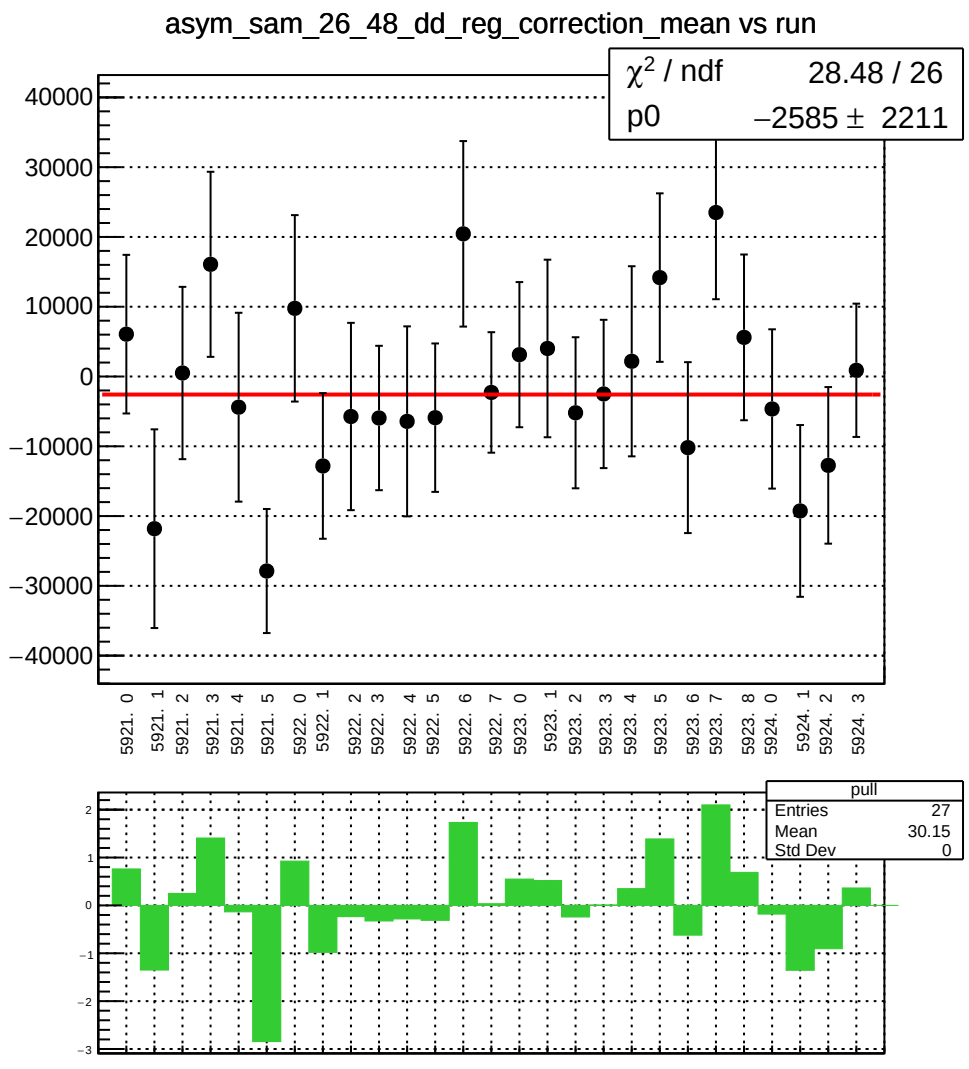

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 39.05 / 26
p0 7.19e−14 ± 7.488e−14
4
3
2
1
0
−1
−2
−3
−4
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 77.58
Std Dev 0
3
2
1
0
−1
−2

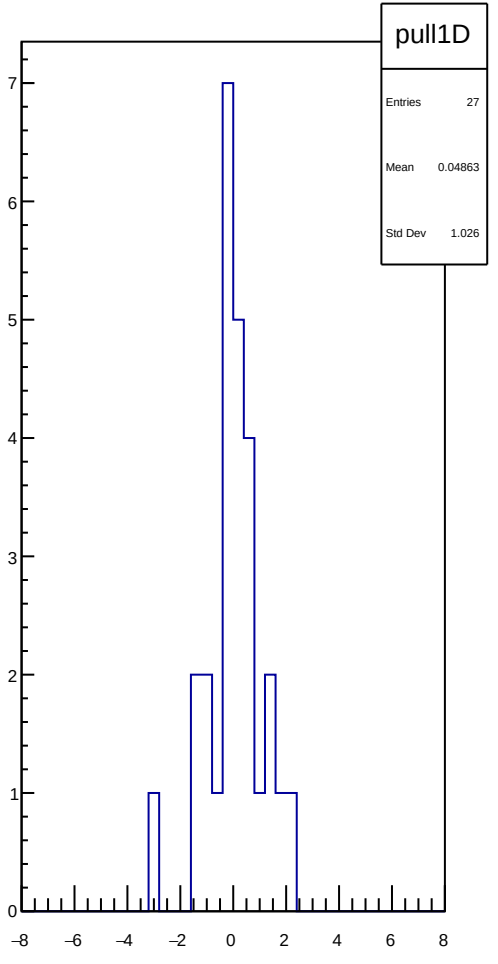

pull1D
Entries 27
Mean −0.04968
Std Dev 1.202
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

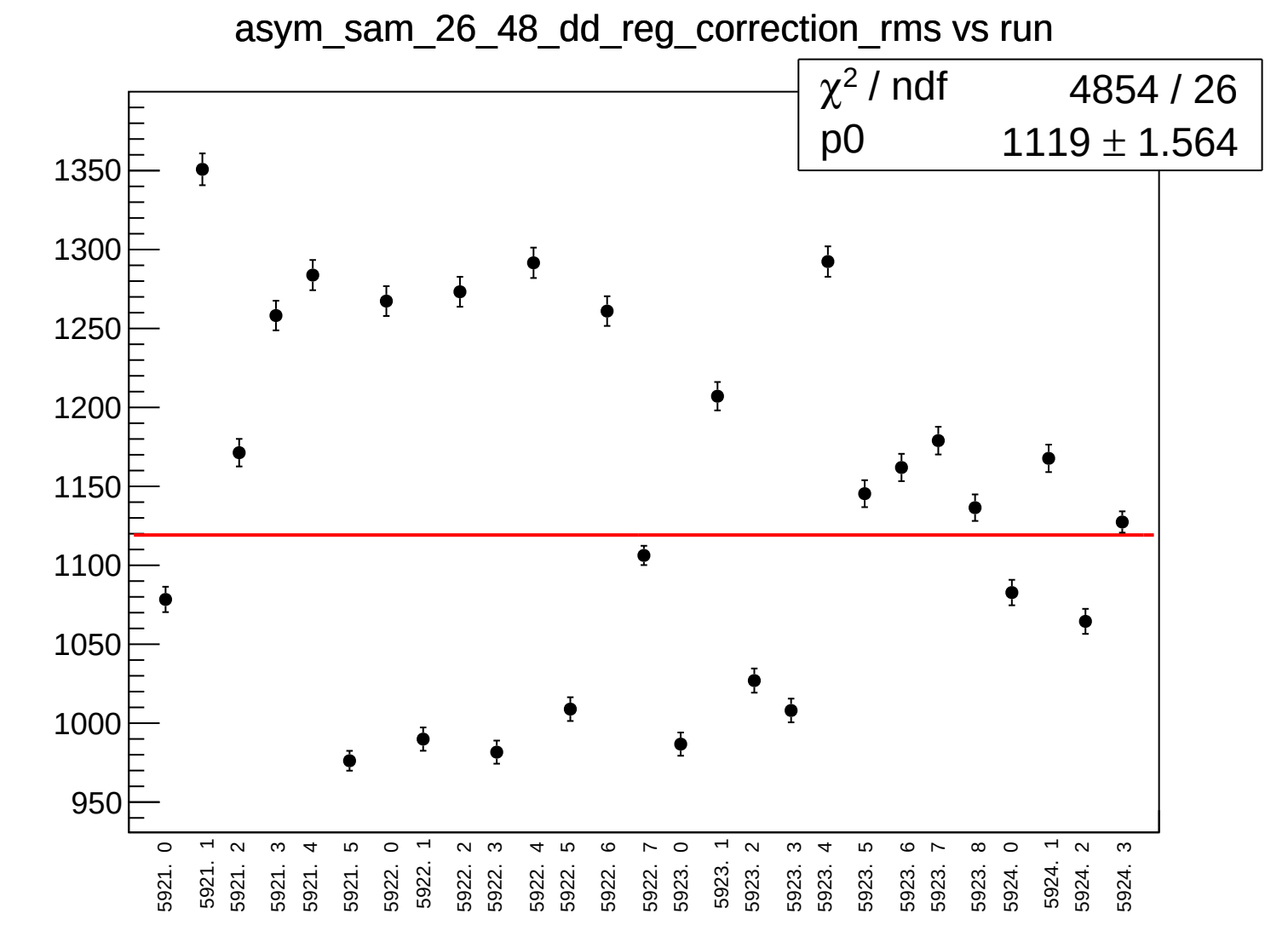

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.668e+05 / 26
p0 3.134e−11 ± 5.295e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

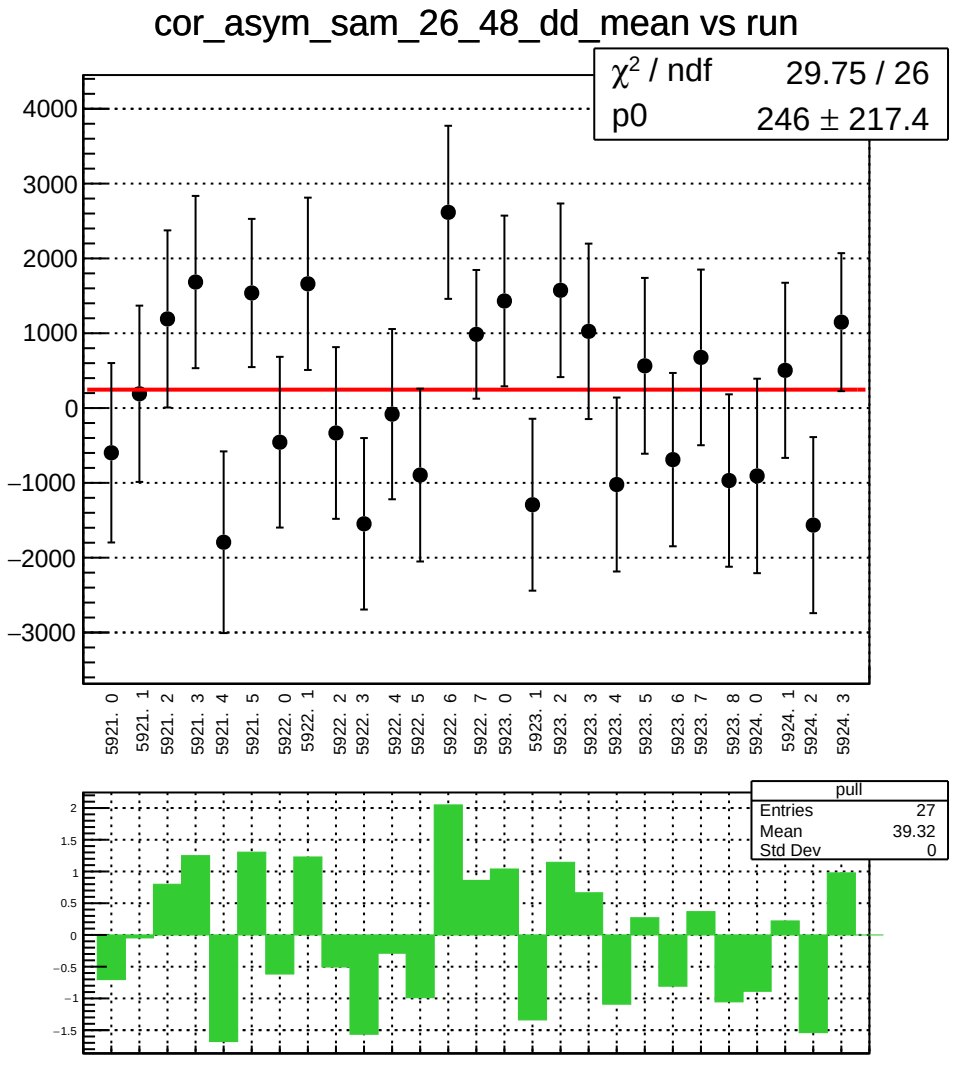

reg_asym_sam_26_48_dd_mean vs run
χ² / ndf 29.75 / 26
p0 246.1 ± 217.4
4000
3000
2000
1000
0
−1000
−2000
−3000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 39.32
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.03464
Std Dev 1.049
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

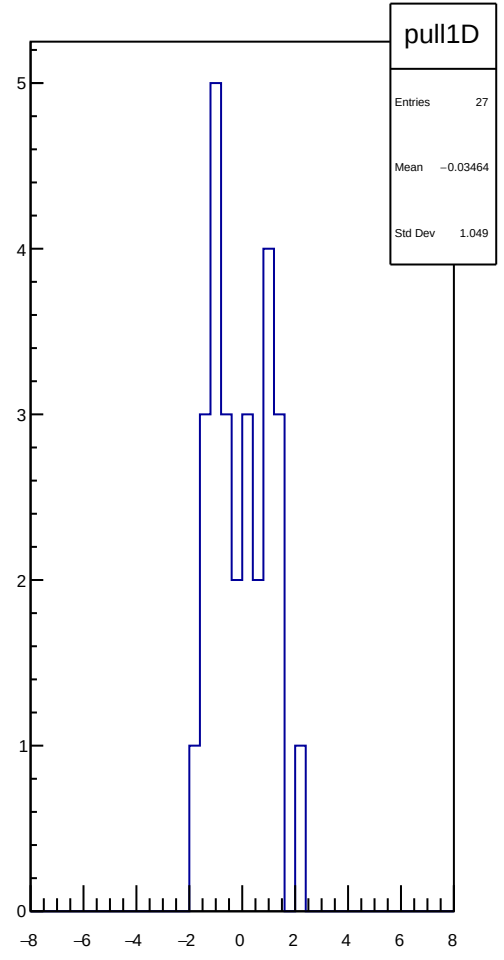

reg_asym_sam_26_48_dd_rms vs run
χ² / ndf 309.5 / 26
p0 110.5 ± 0.1538
124
122
120
118
116
114
112
110
108
106
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

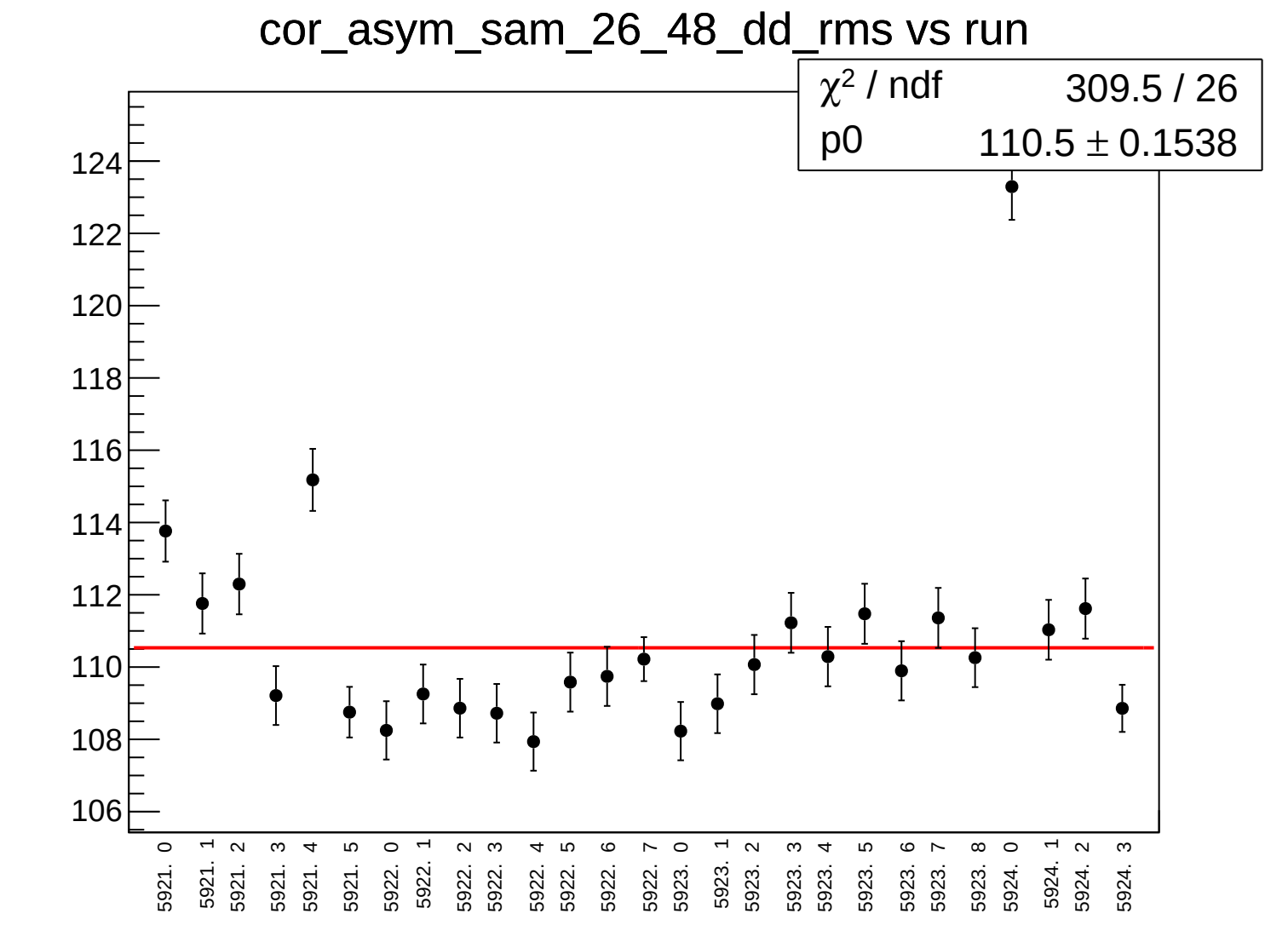

asym_sam_26_48_dd_reg_correction_mean vs run
χ² / ndf 28.48 / 26
p0 −2585 ± 2211
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 30.15
Std Dev 0
2
1
0
−1
−2
−3

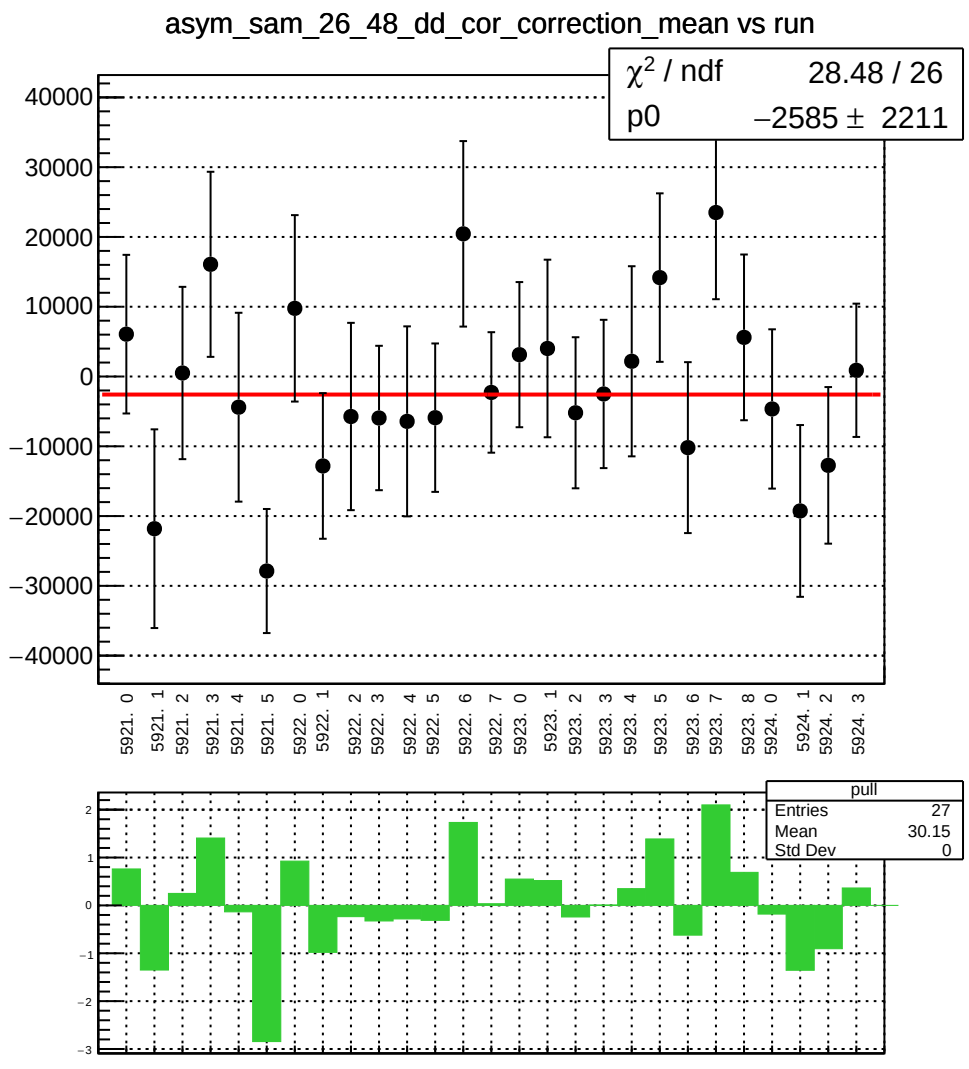

pull1D
Entries 27
Mean 0.04863
Std Dev 1.026
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

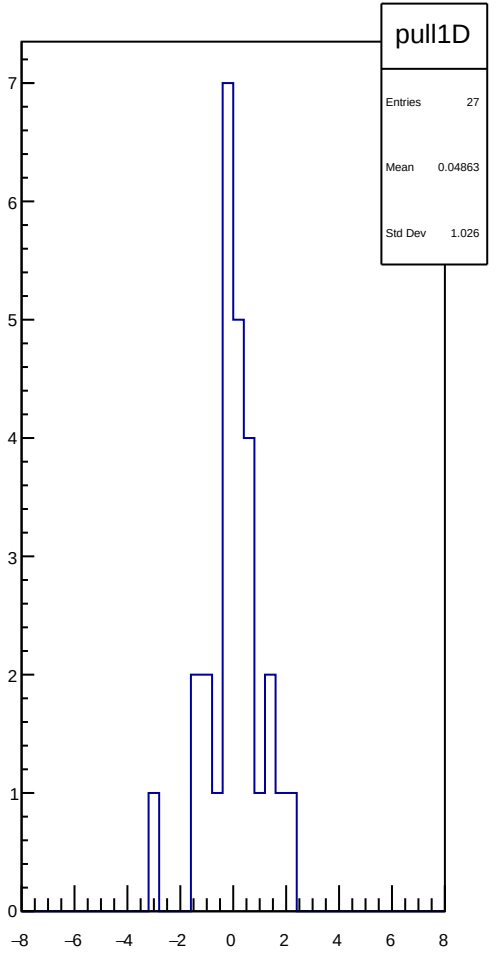

asym_sam_26_48_dd_reg_correction_rms vs run
χ² / ndf 4854 / 26
p0 1119 ± 1.564
1350
1300
1250
1200
1150
1100
1050
1000
950
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

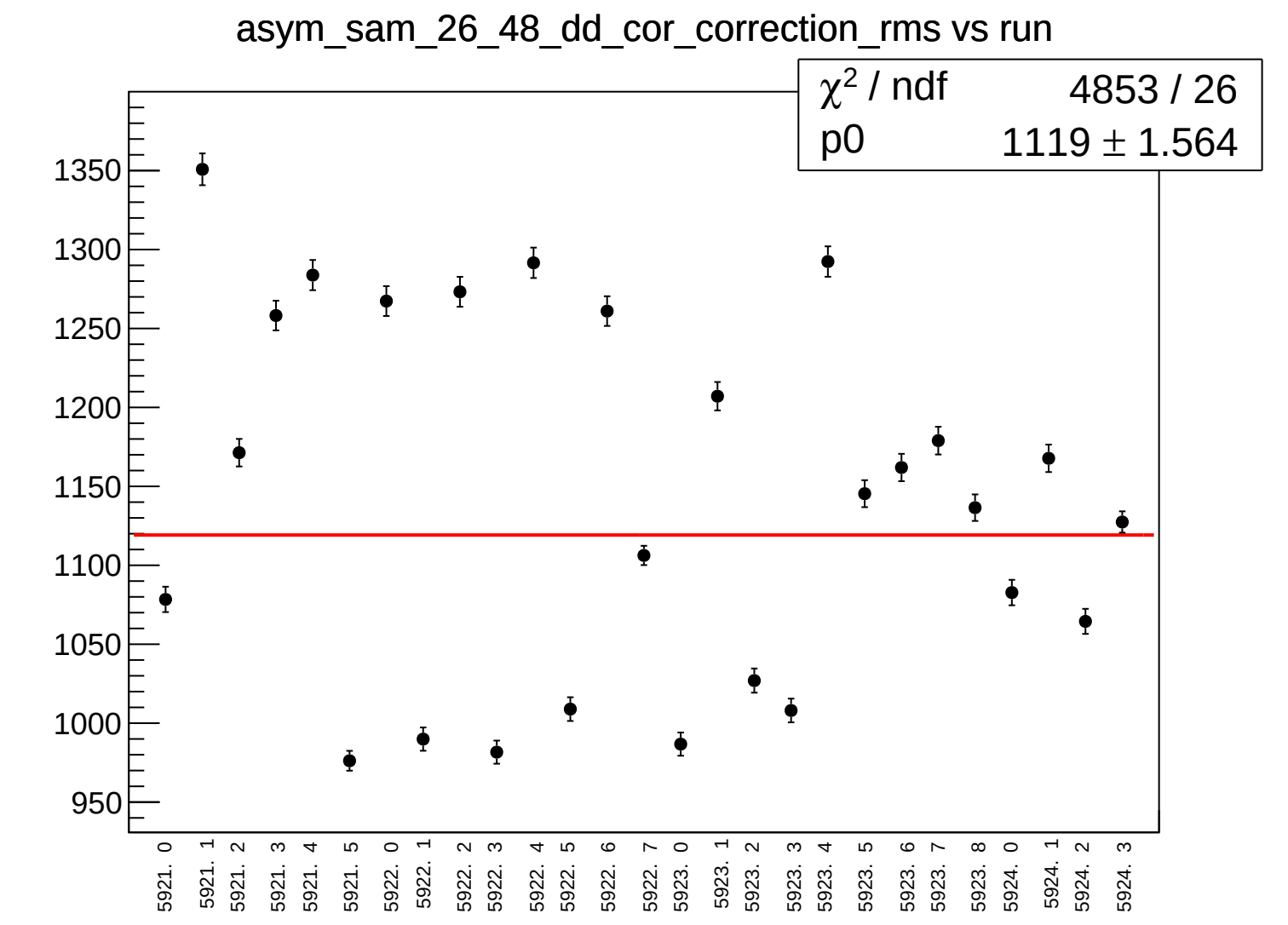

cor_asym_sam_26_48_dd_mean vs run
χ² / ndf 29.75 / 26
p0 246 ± 217.4
4000
3000
2000
1000
0
−1000
−2000
−3000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 39.32
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

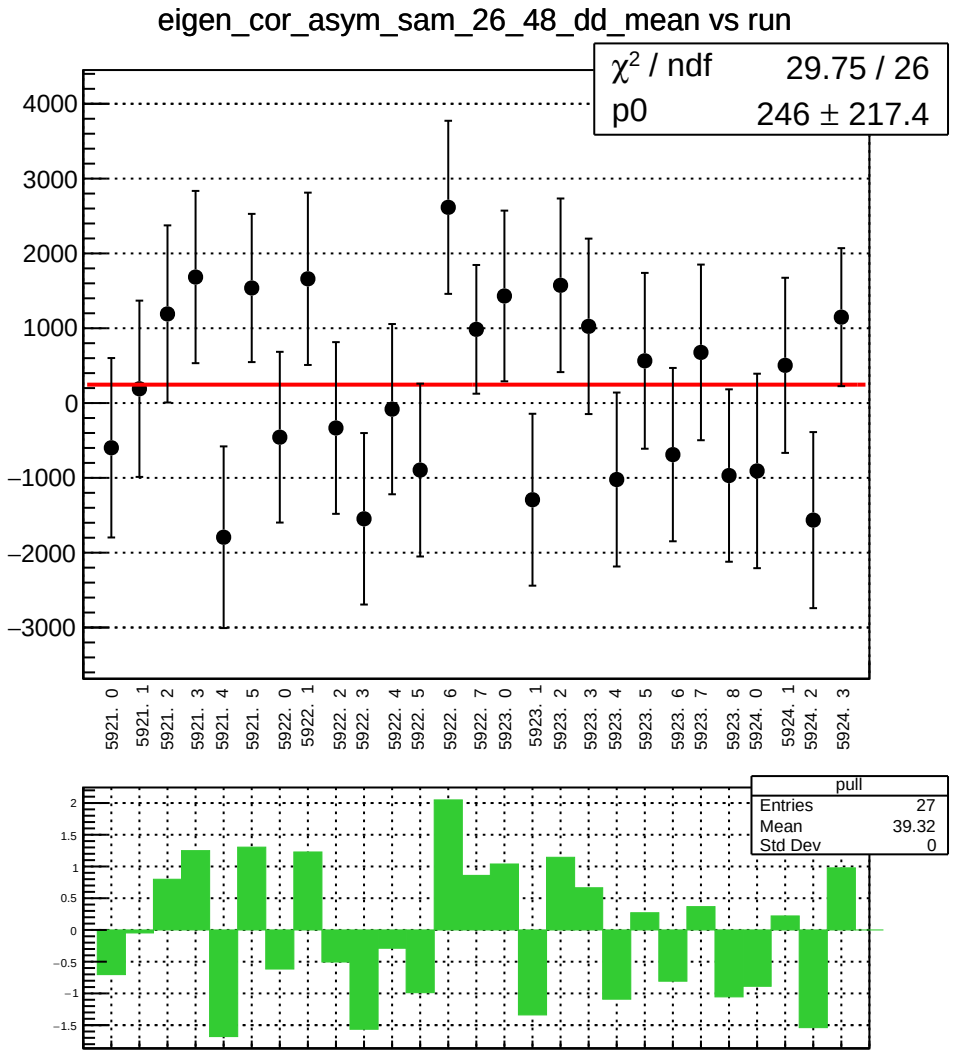

pull1D
Entries 27
Mean −0.03464
Std Dev 1.049
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

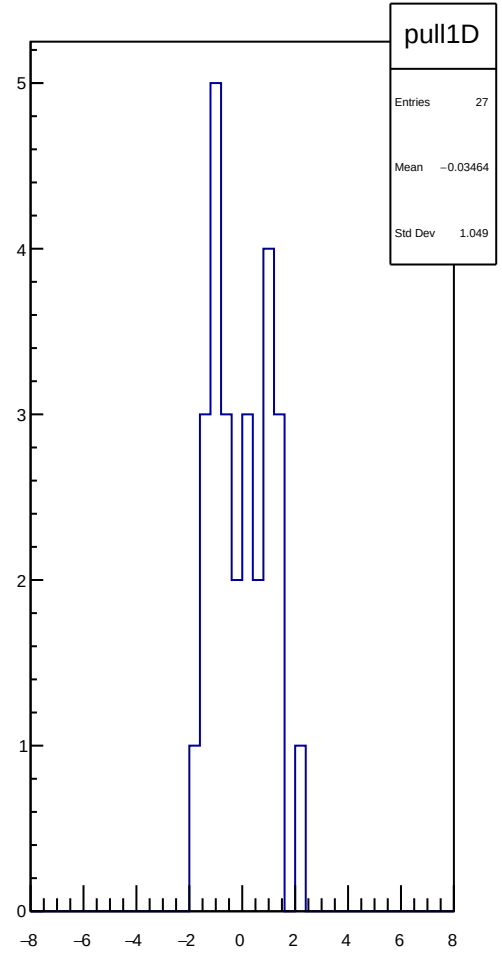

cor_asym_sam_26_48_dd_rms vs run
χ² / ndf 309.5 / 26
p0 110.5 ± 0.1538
124
122
120
118
116
114
112
110
108
106
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

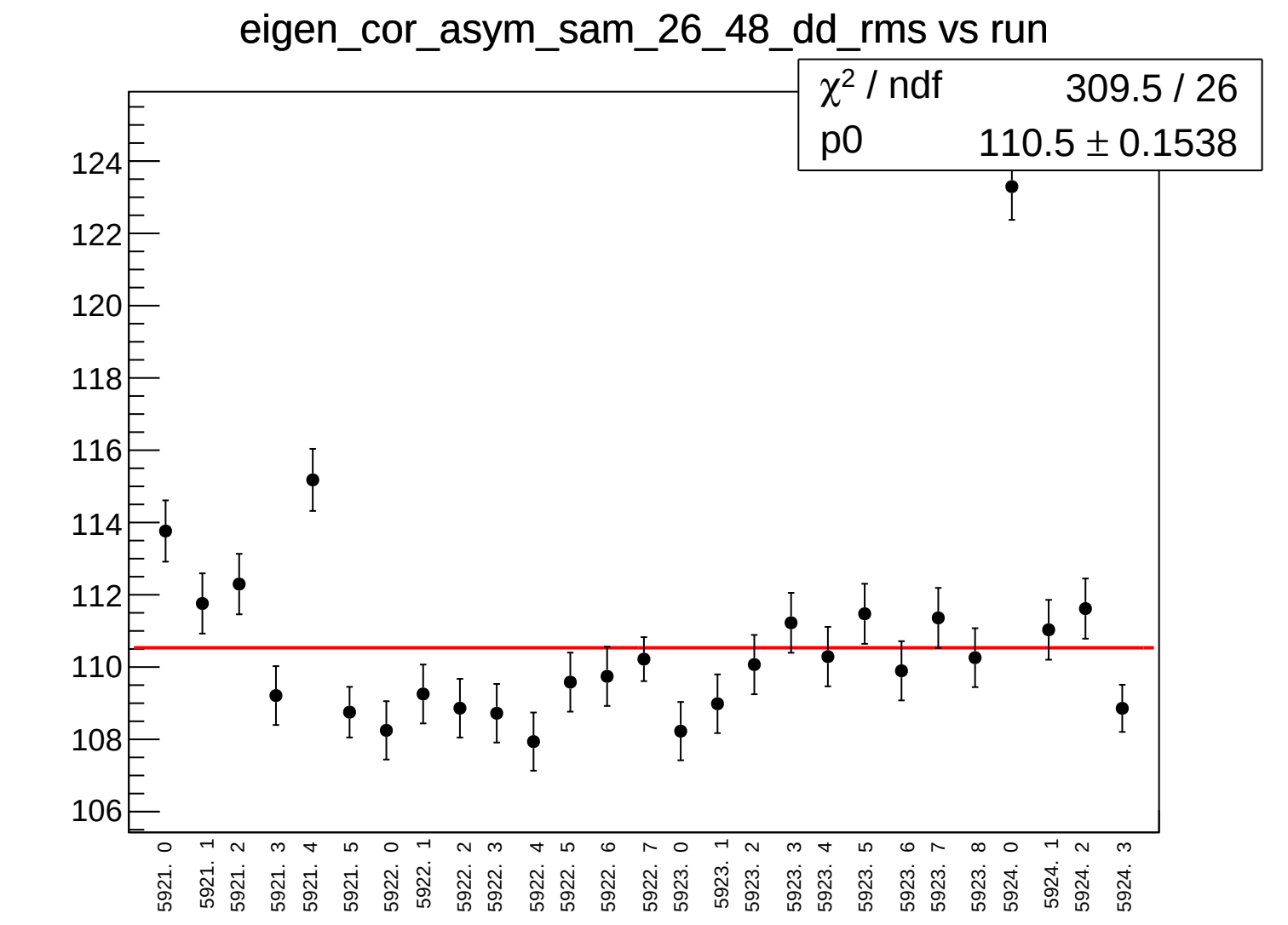

asym_sam_26_48_dd_cor_correction_mean vs run
χ² / ndf 28.48 / 26
p0 −2585 ± 2211
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 30.15
Std Dev 0
2
1
0
−1
−2
−3

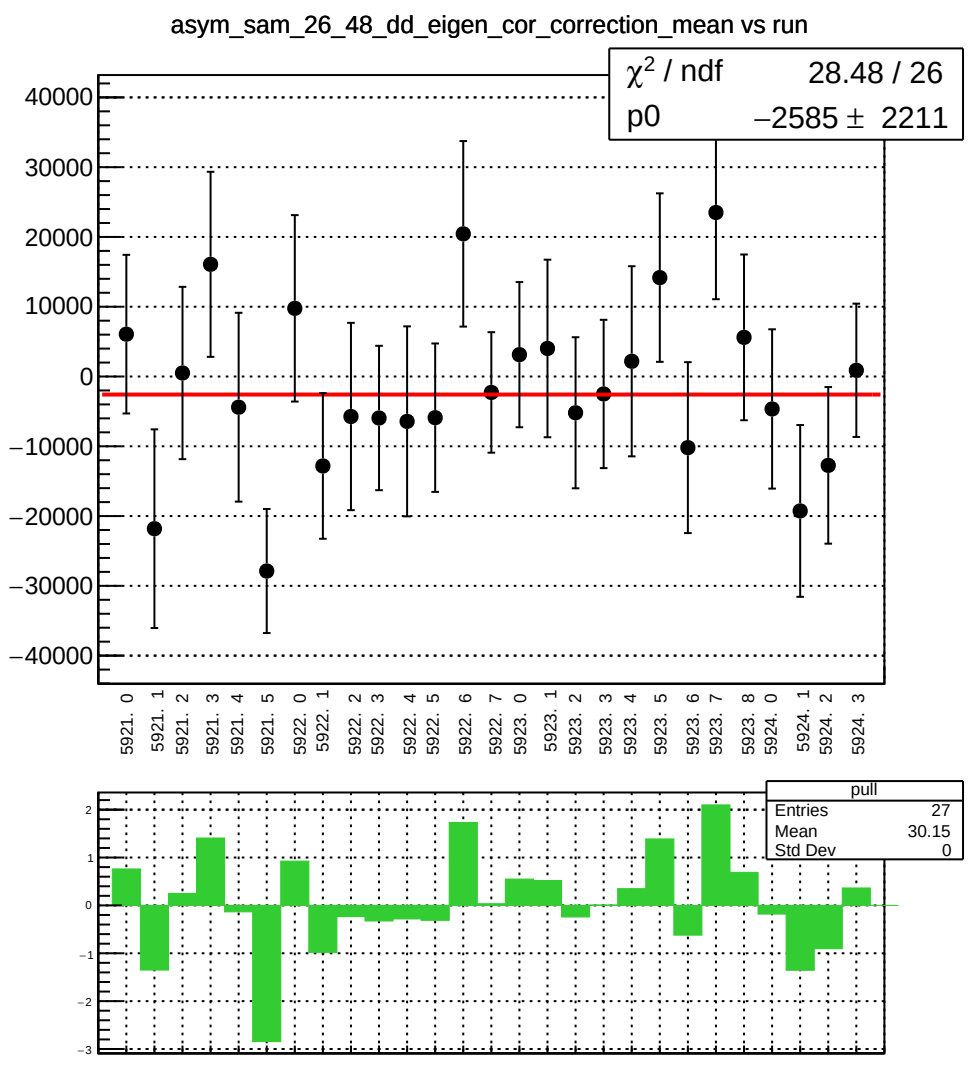

pull1D
Entries 27
Mean 0.04863
Std Dev 1.026
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

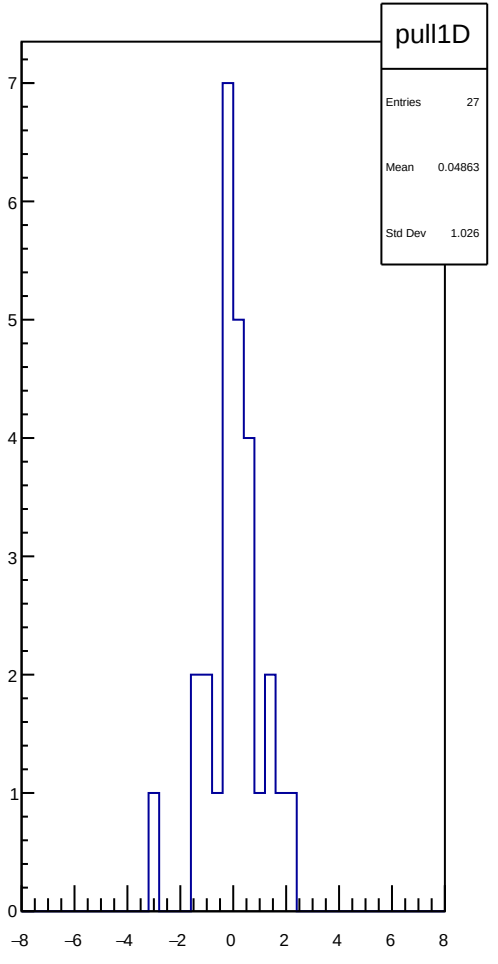

asym_sam_26_48_dd_cor_correction_rms vs run
χ² / ndf 4853 / 26
p0 1119 ± 1.564
1350
1300
1250
1200
1150
1100
1050
1000
950
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

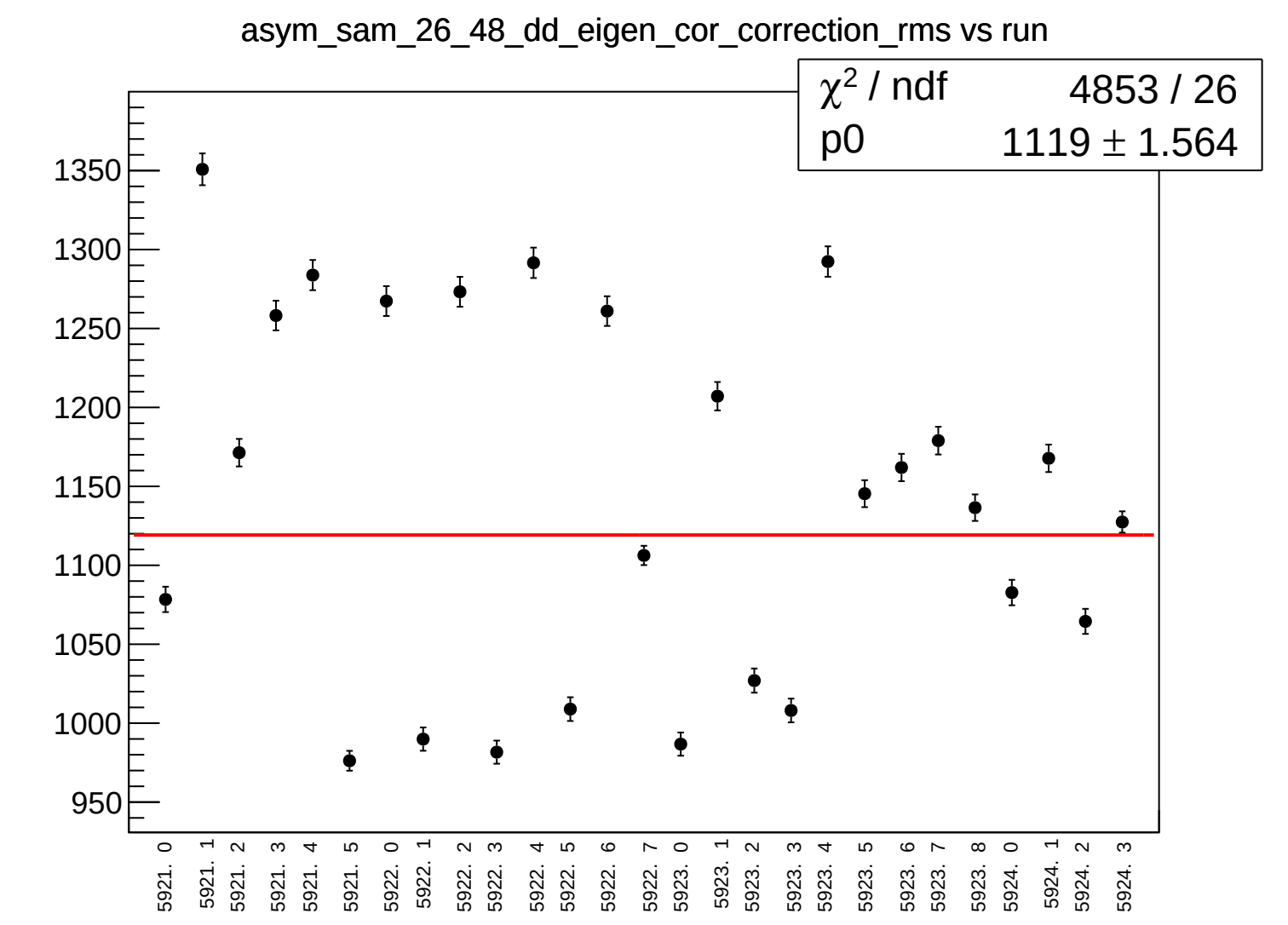

eigen_cor_asym_sam_26_48_dd_mean vs run
χ² / ndf 29.75 / 26
p0 246 ± 217.4
4000
3000
2000
1000
0
−1000
−2000
−3000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 39.32
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

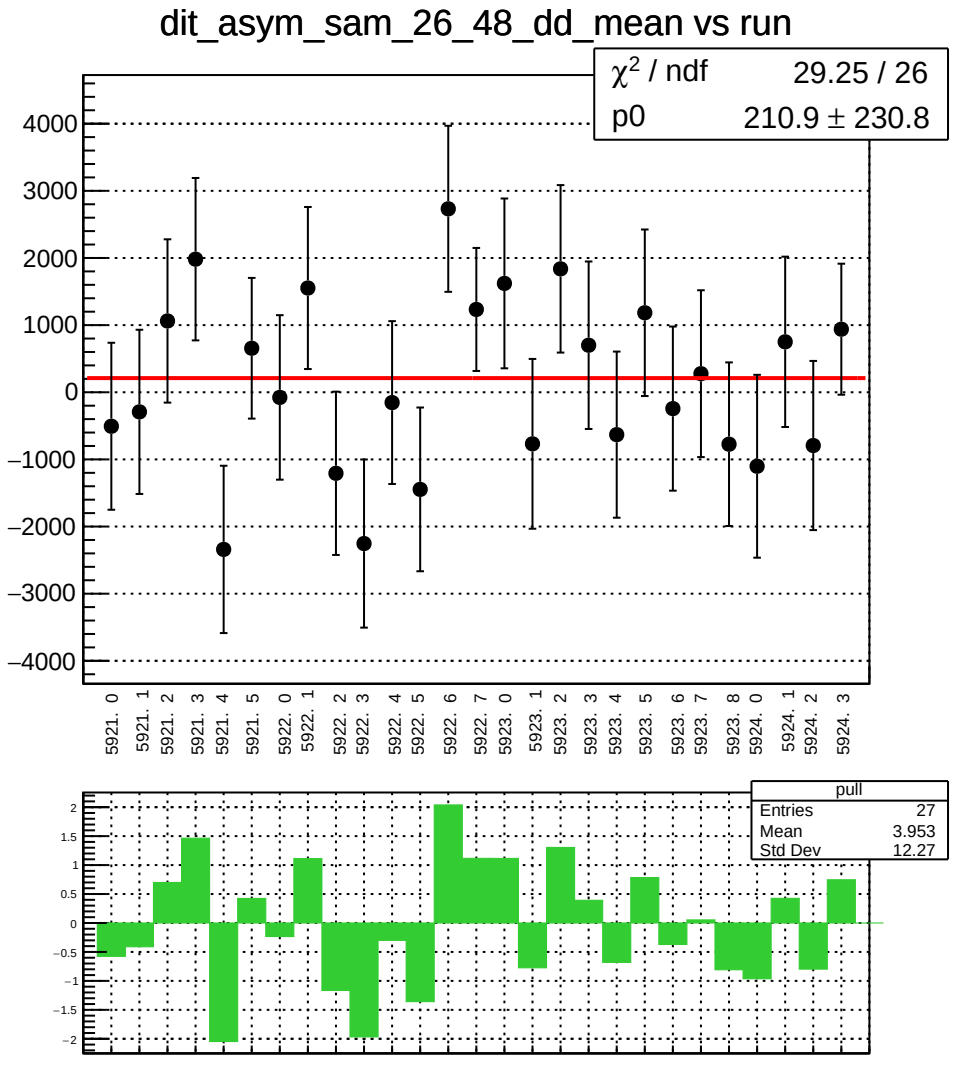

pull1D
Entries 27
Mean −0.03464
Std Dev 1.049
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

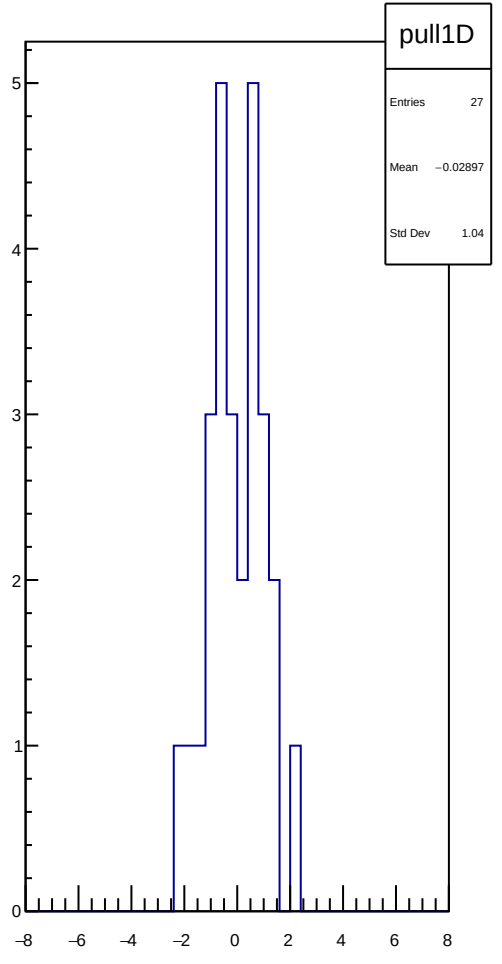

eigen_cor_asym_sam_26_48_dd_rms vs run
χ² / ndf 309.5 / 26
p0 110.5 ± 0.1538
124
122
120
118
116
114
112
110
108
106
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

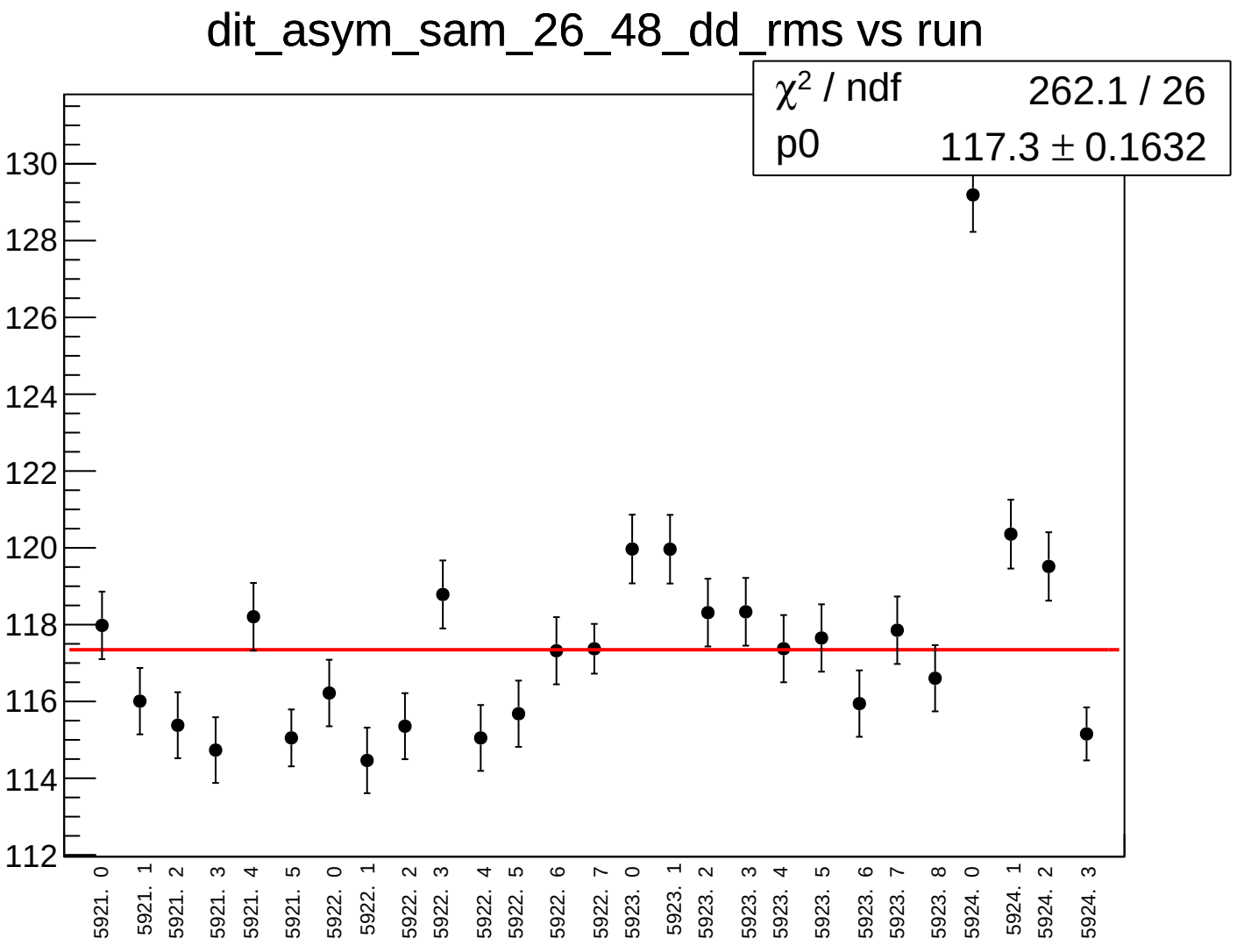

asym_sam_26_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 28.48 / 26
p0 −2585 ± 2211
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 30.15
Std Dev 0
2
1
0
−1
−2
−3

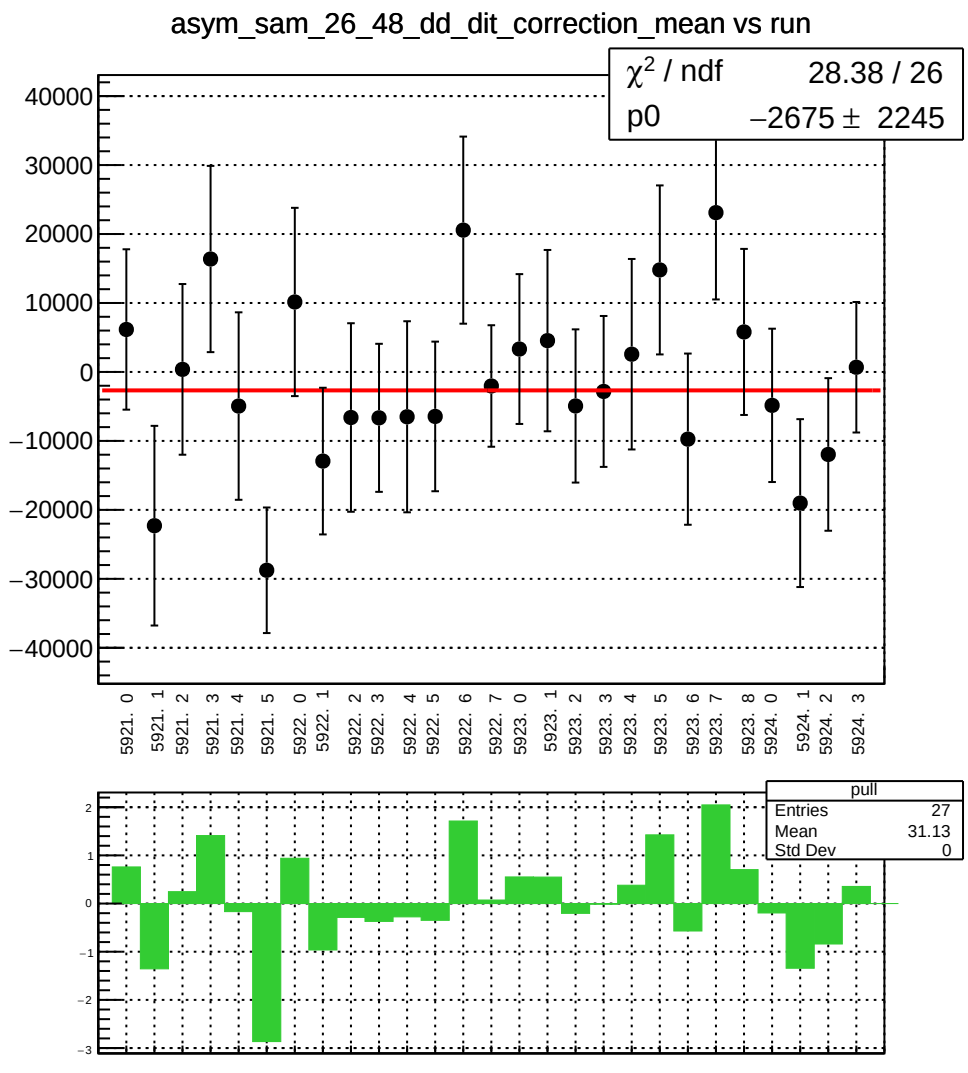

pull1D
Entries 27
Mean 0.04863
Std Dev 1.026
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

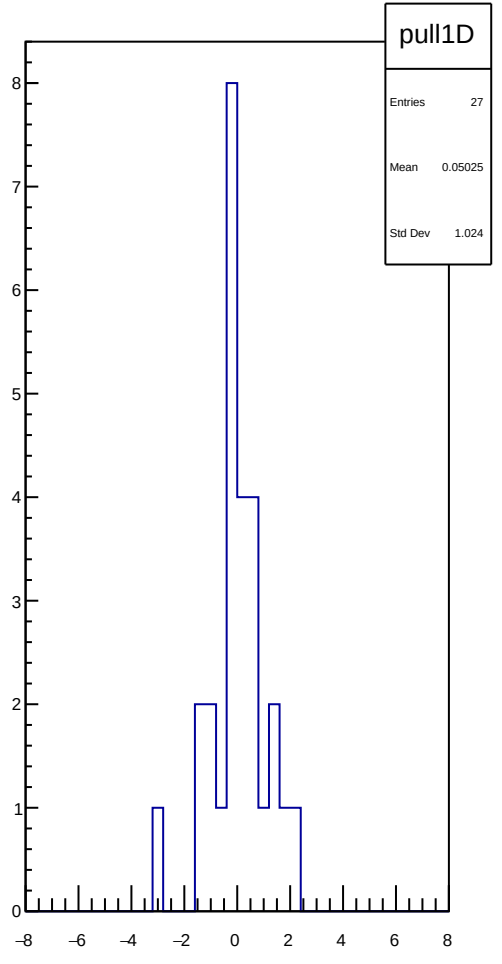

asym_sam_26_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 4853 / 26
p0 1119 ± 1.564
1350
1300
1250
1200
1150
1100
1050
1000
950
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

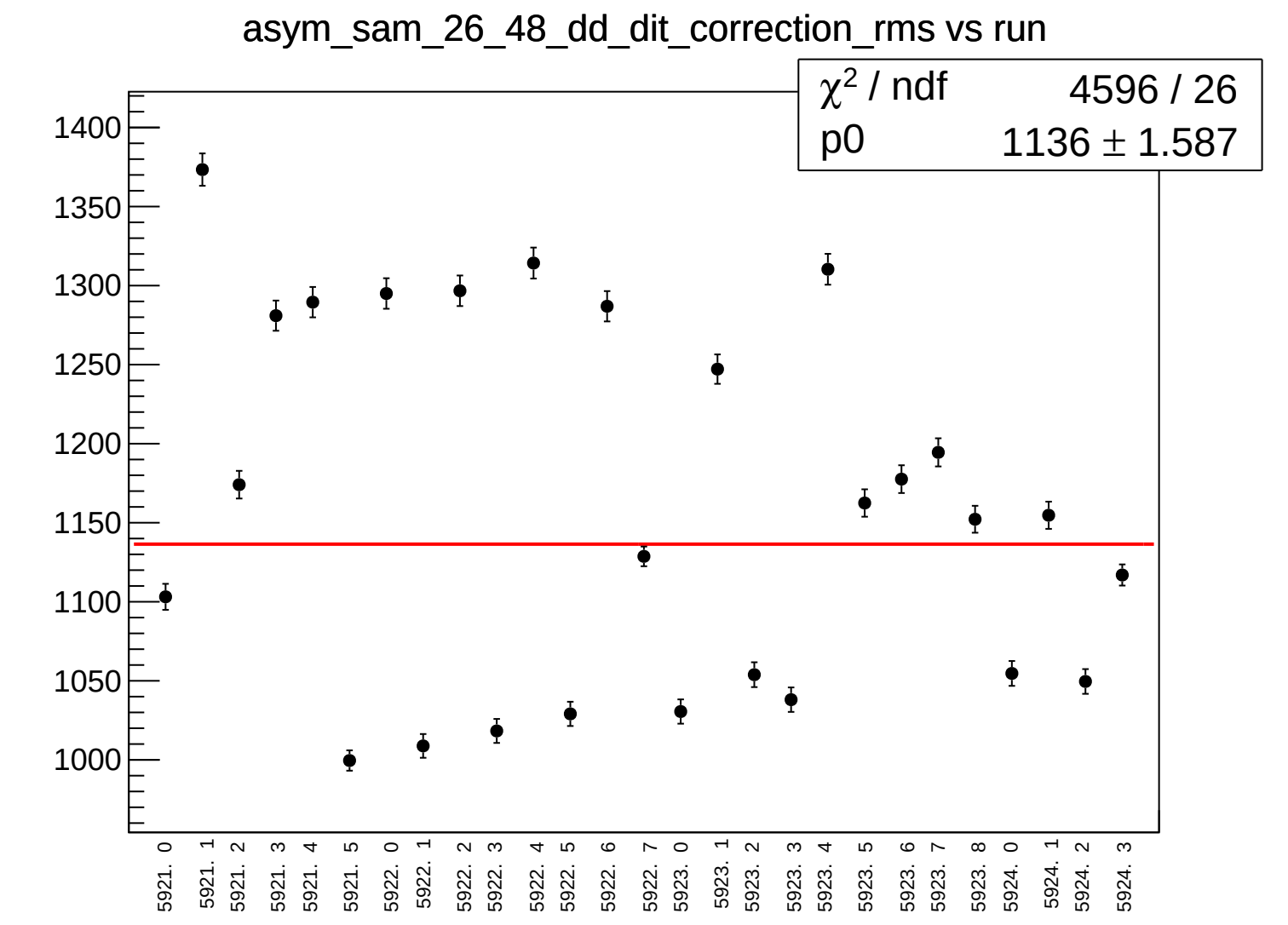

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 29.25 / 26
p0 210.9 ± 230.8
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 3.953
Std Dev 12.27
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

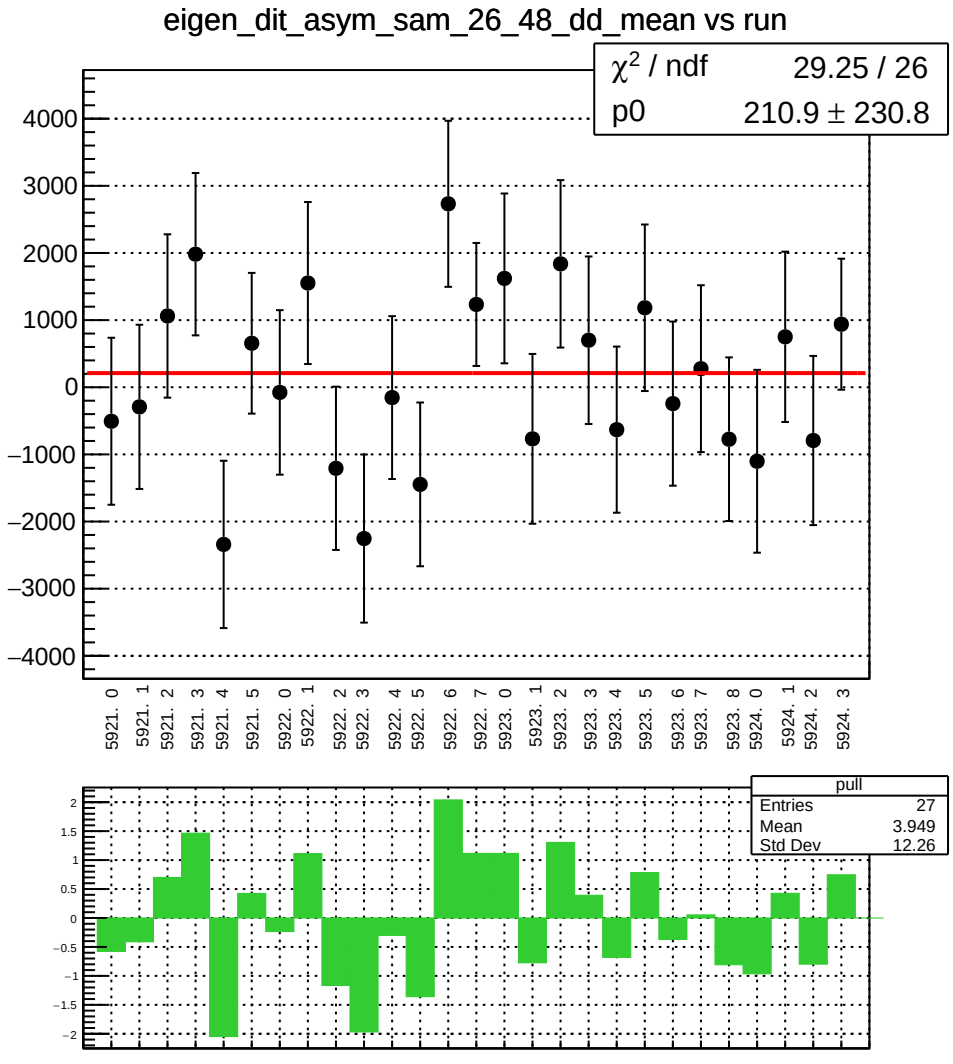

pull1D
Entries 27
Mean −0.02897
Std Dev 1.04
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

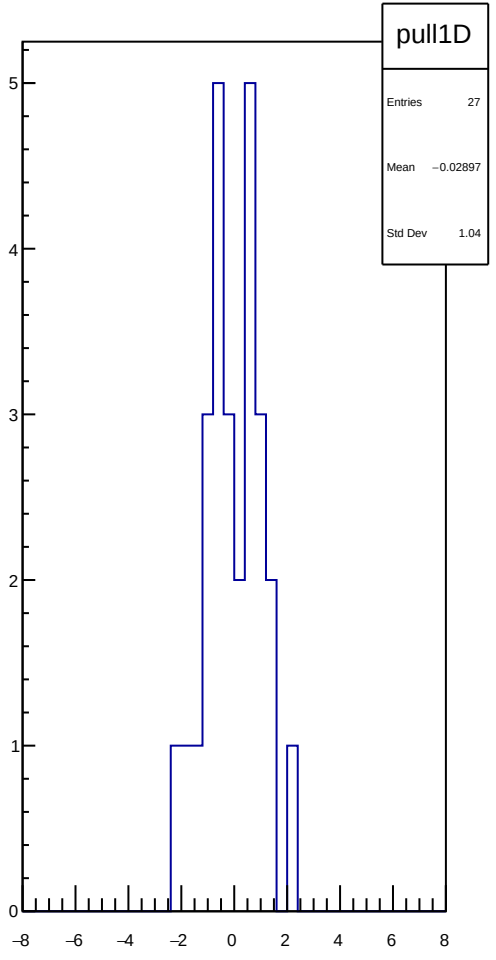

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 262.1 / 26
p0 117.3 ± 0.1632
130
128
126
124
122
120
118
116
114
112
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

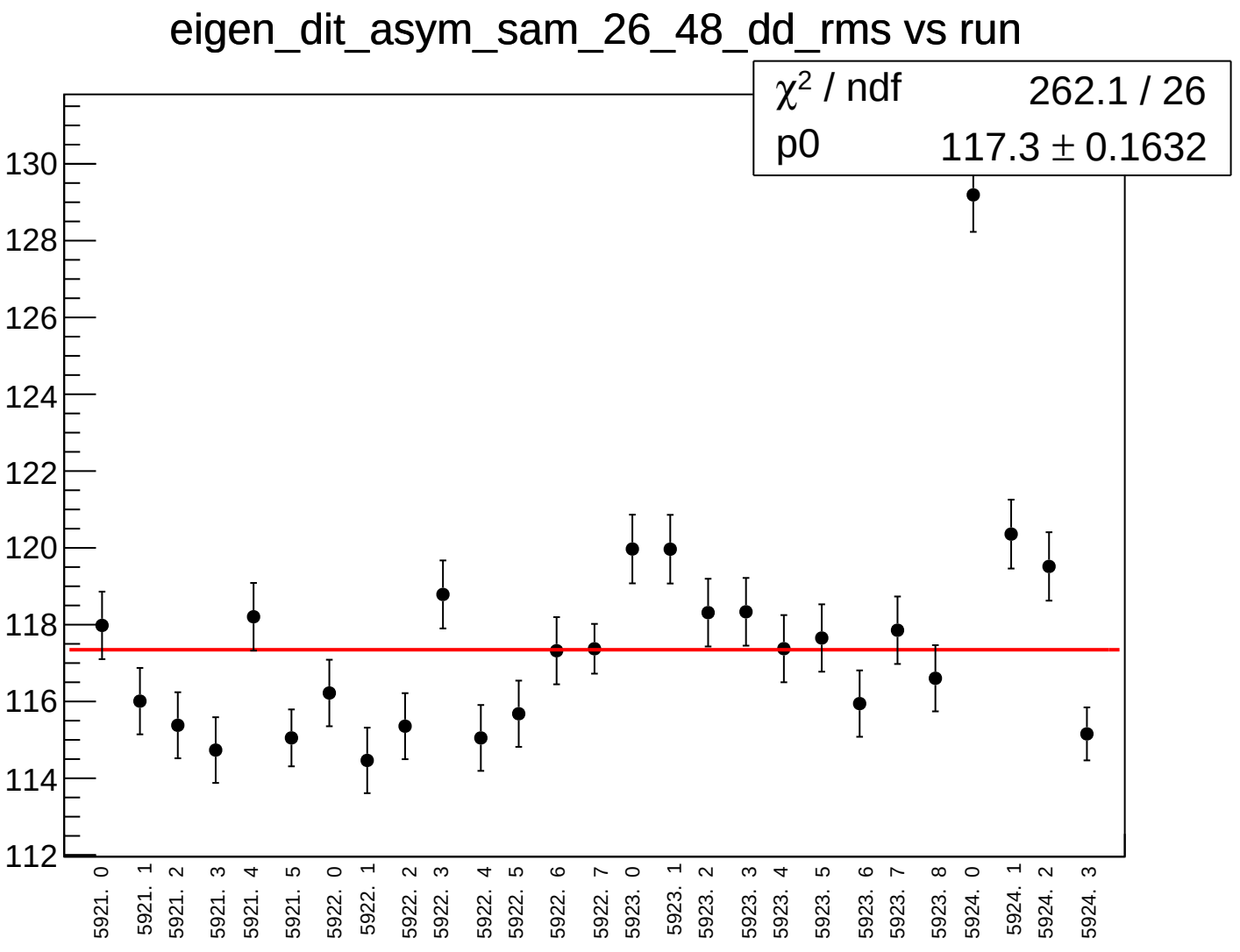

asym_sam_26_48_dd_dit_correction_mean vs run
χ² / ndf 28.38 / 26
p0 −2675 ± 2245
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 31.13
Std Dev 0
2
1
0
−1
−2
−3

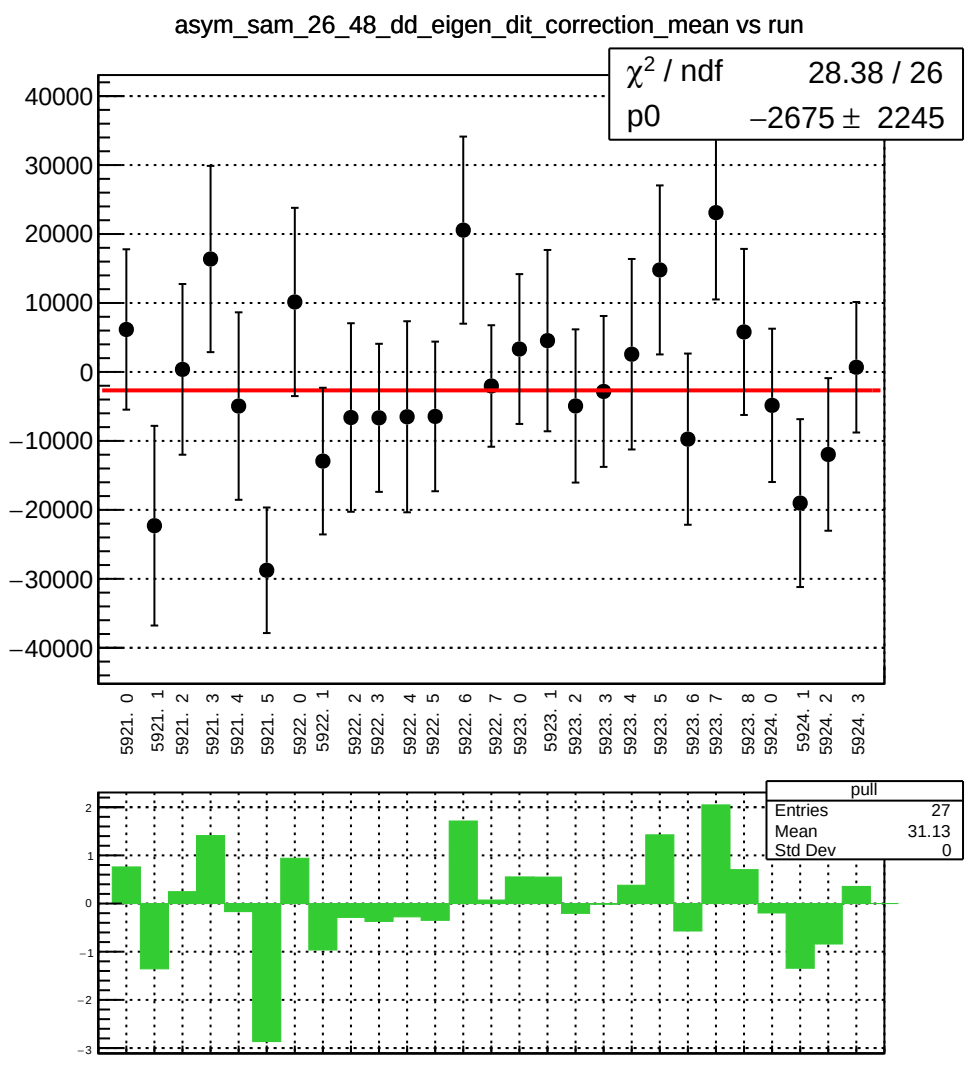

pull1D
Entries 27
Mean 0.05025
Std Dev 1.024
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

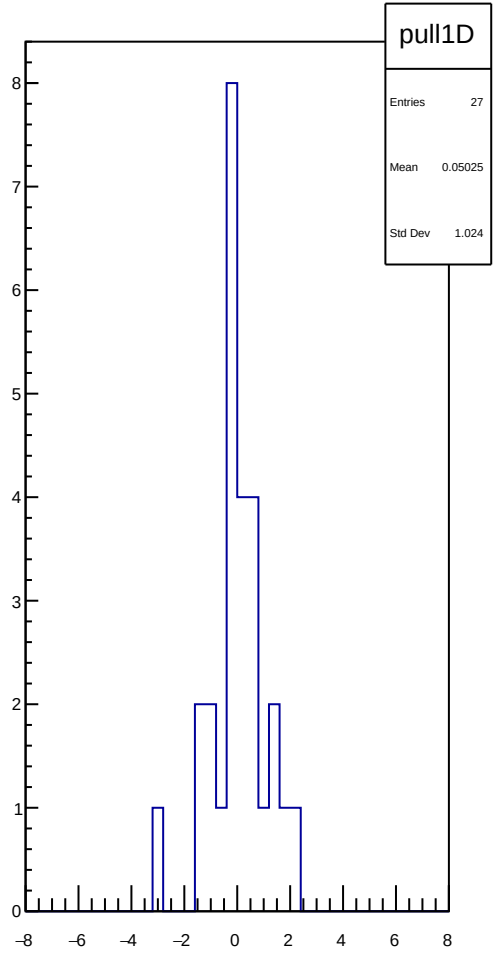

asym_sam_26_48_dd_dit_correction_rms vs run
χ² / ndf 4596 / 26
p0 1136 ± 1.587
1400
1350
1300
1250
1200
1150
1100
1050
1000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

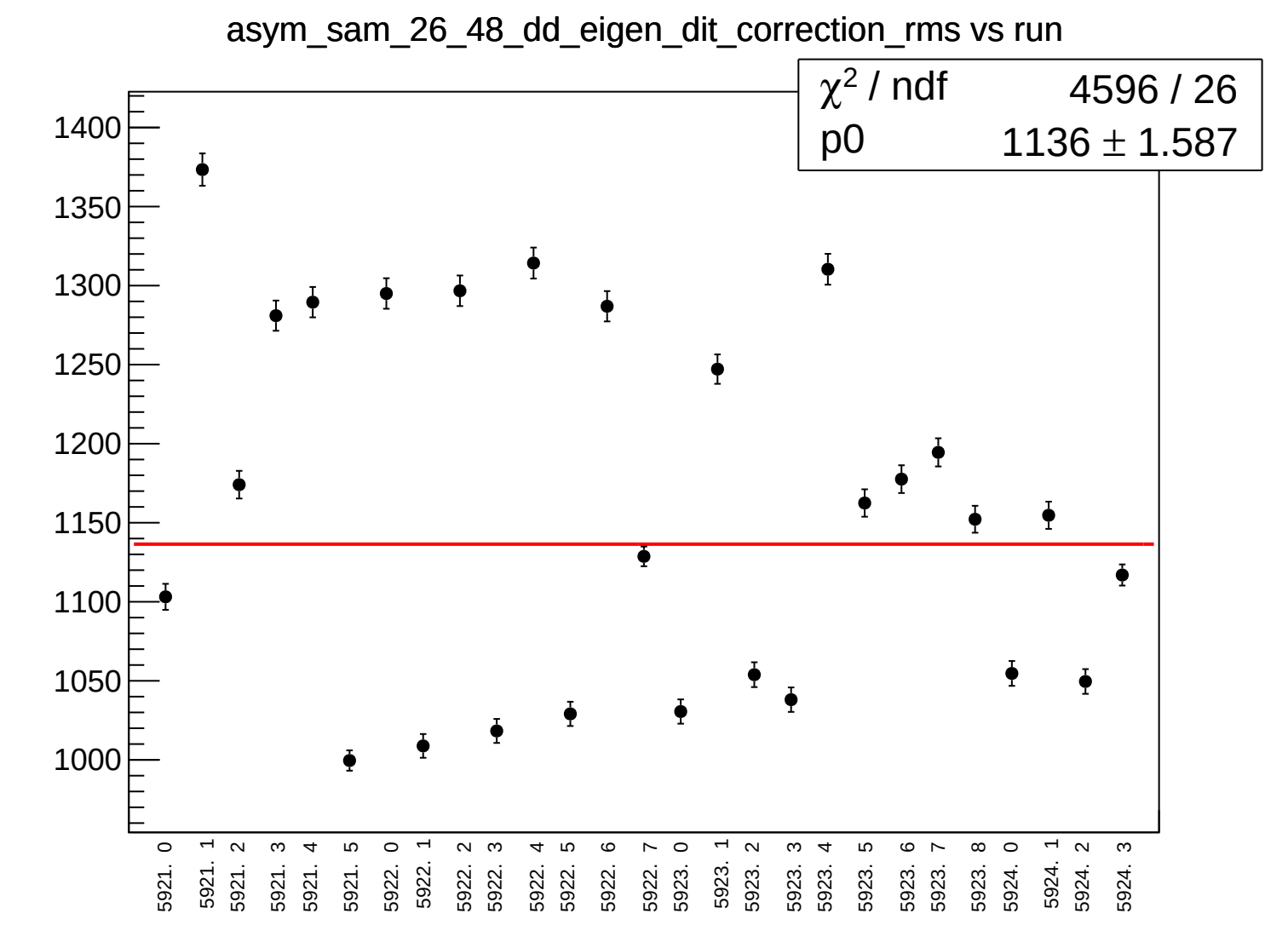

eigen_dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 29.25 / 26
p0 210.9 ± 230.8
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 3.949
Std Dev 12.26
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

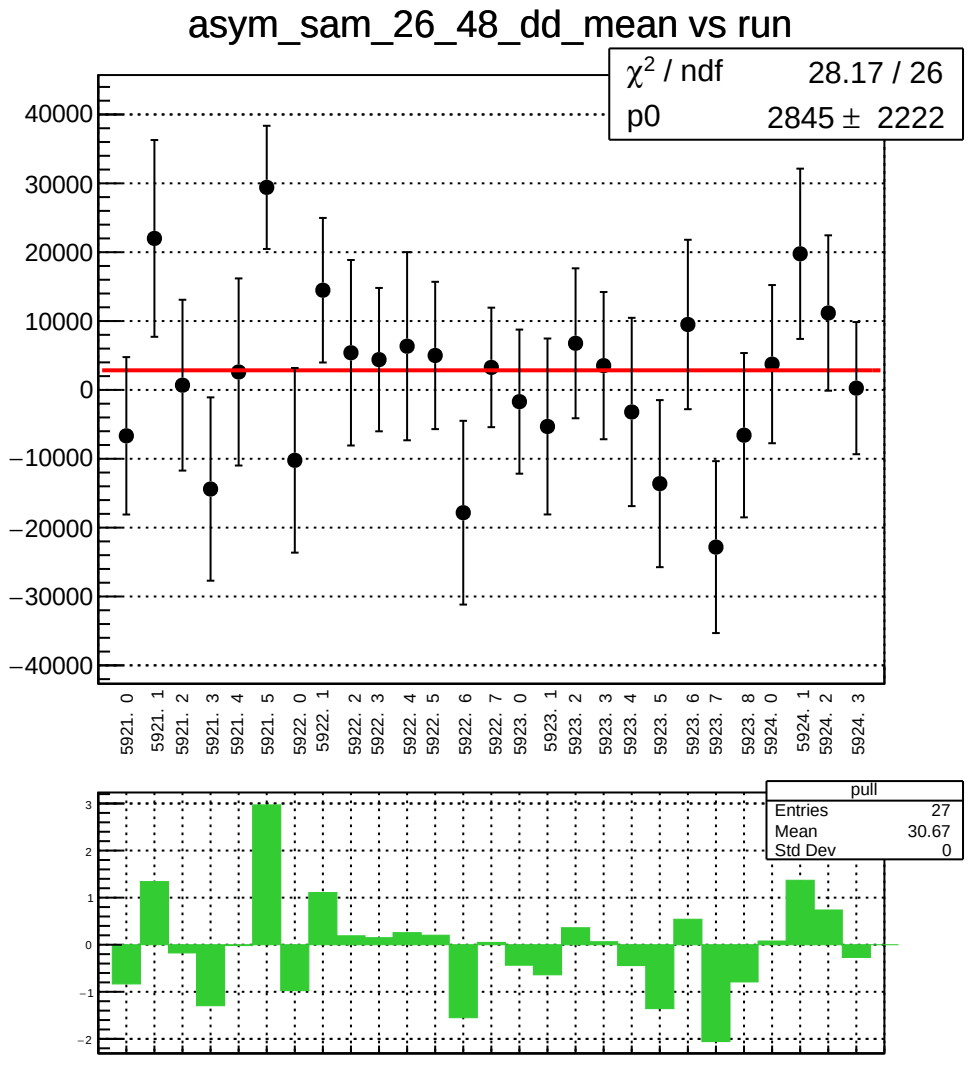

pull1D
Entries 27
Mean −0.02897
Std Dev 1.04
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

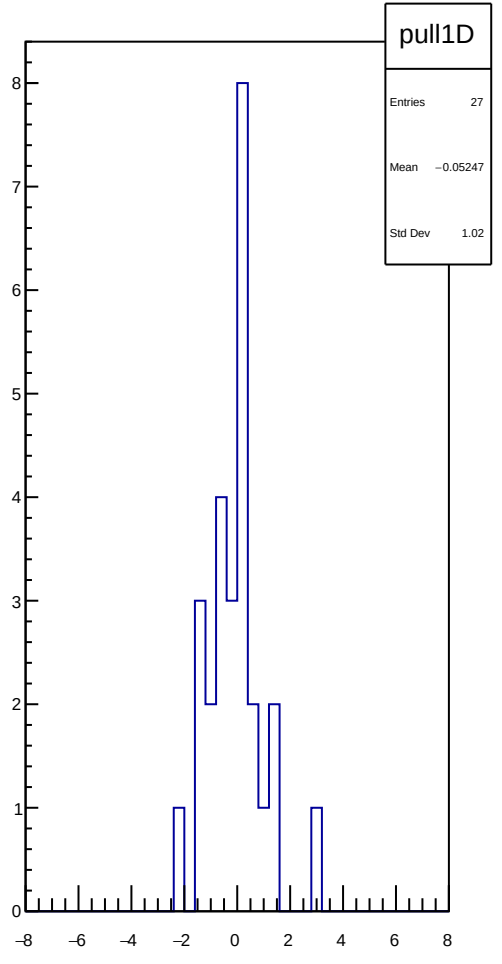

eigen_dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 262.1 / 26
p0 117.3 ± 0.1632
130
128
126
124
122
120
118
116
114
112
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

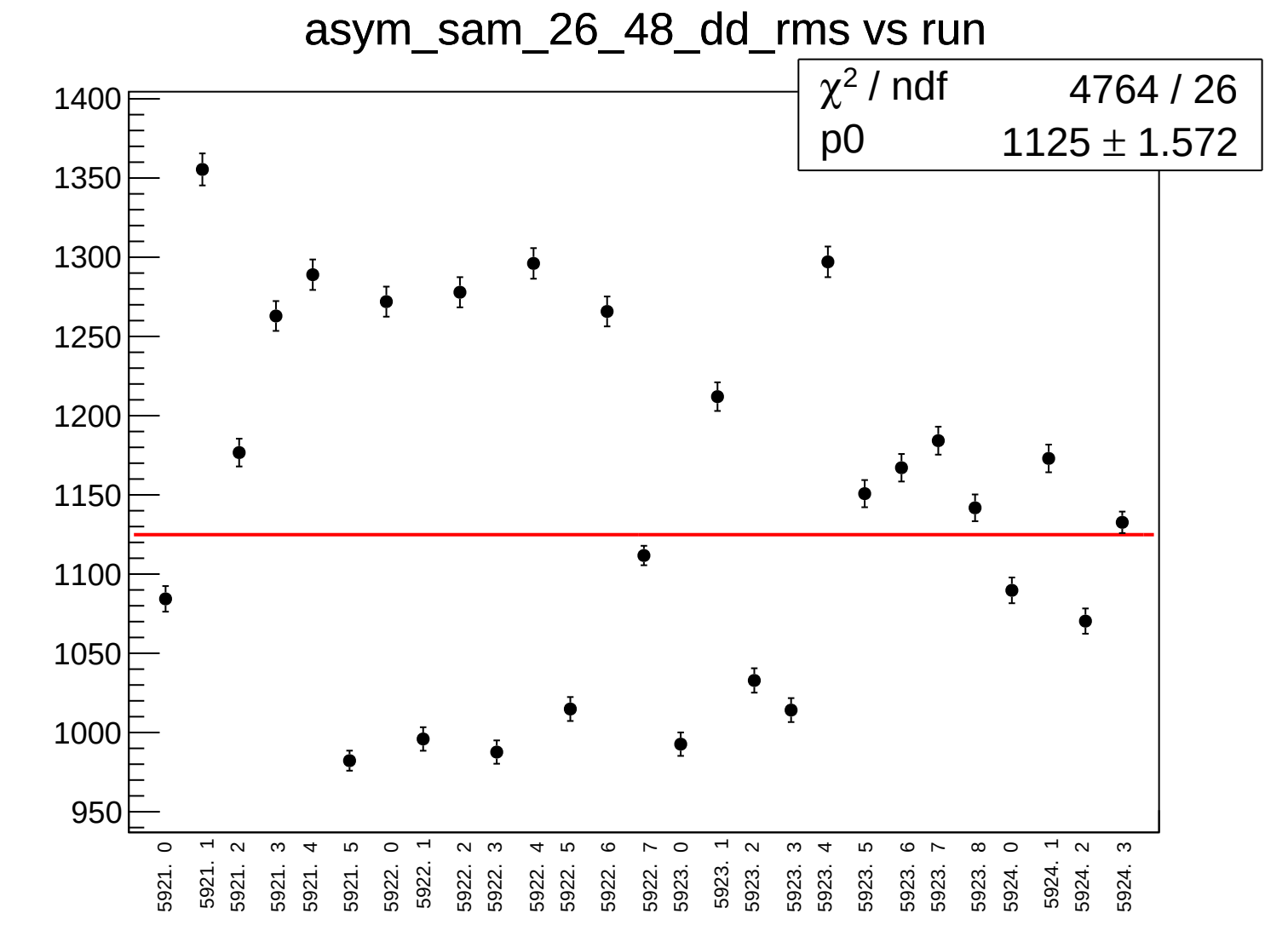

asym_sam_26_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 28.38 / 26
p0 −2675 ± 2245
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 31.13
Std Dev 0
2
1
0
−1
−2
−3

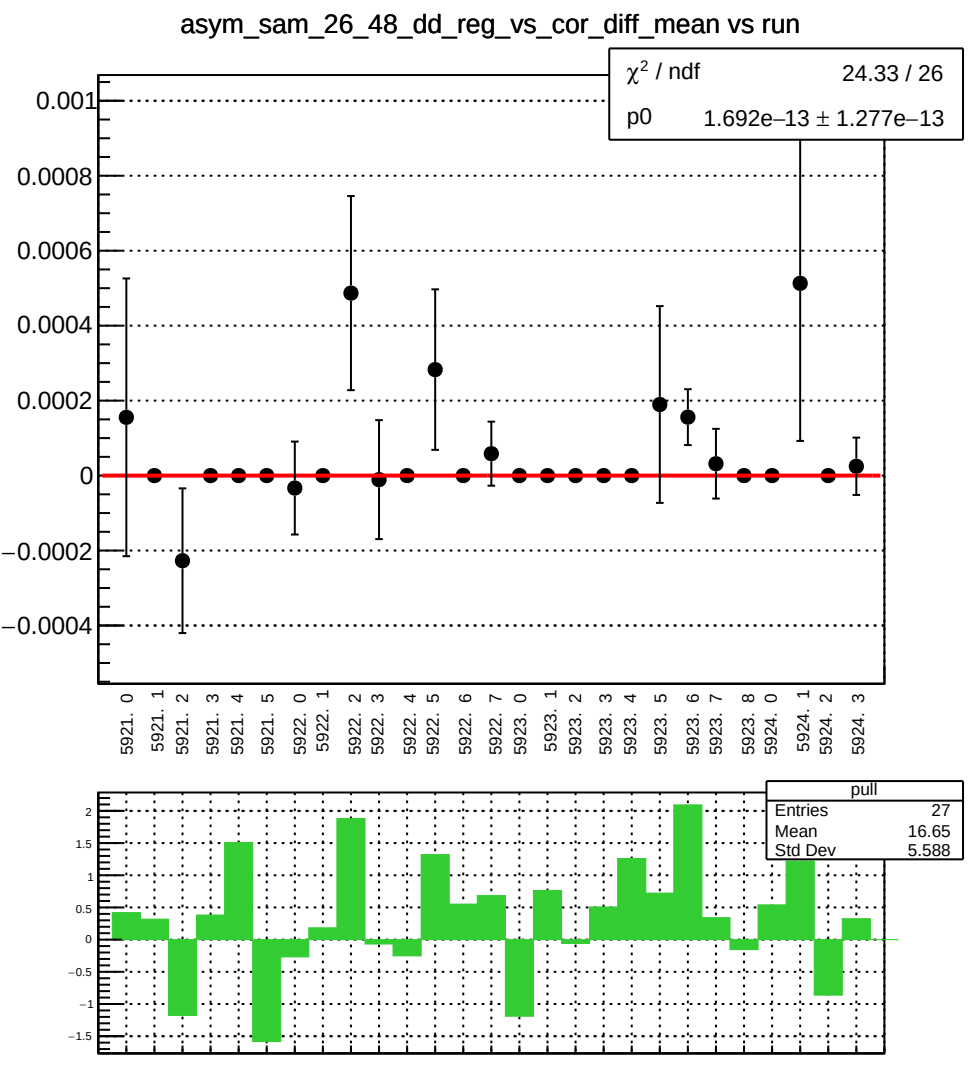

pull1D
Entries 27
Mean 0.05025
Std Dev 1.024
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

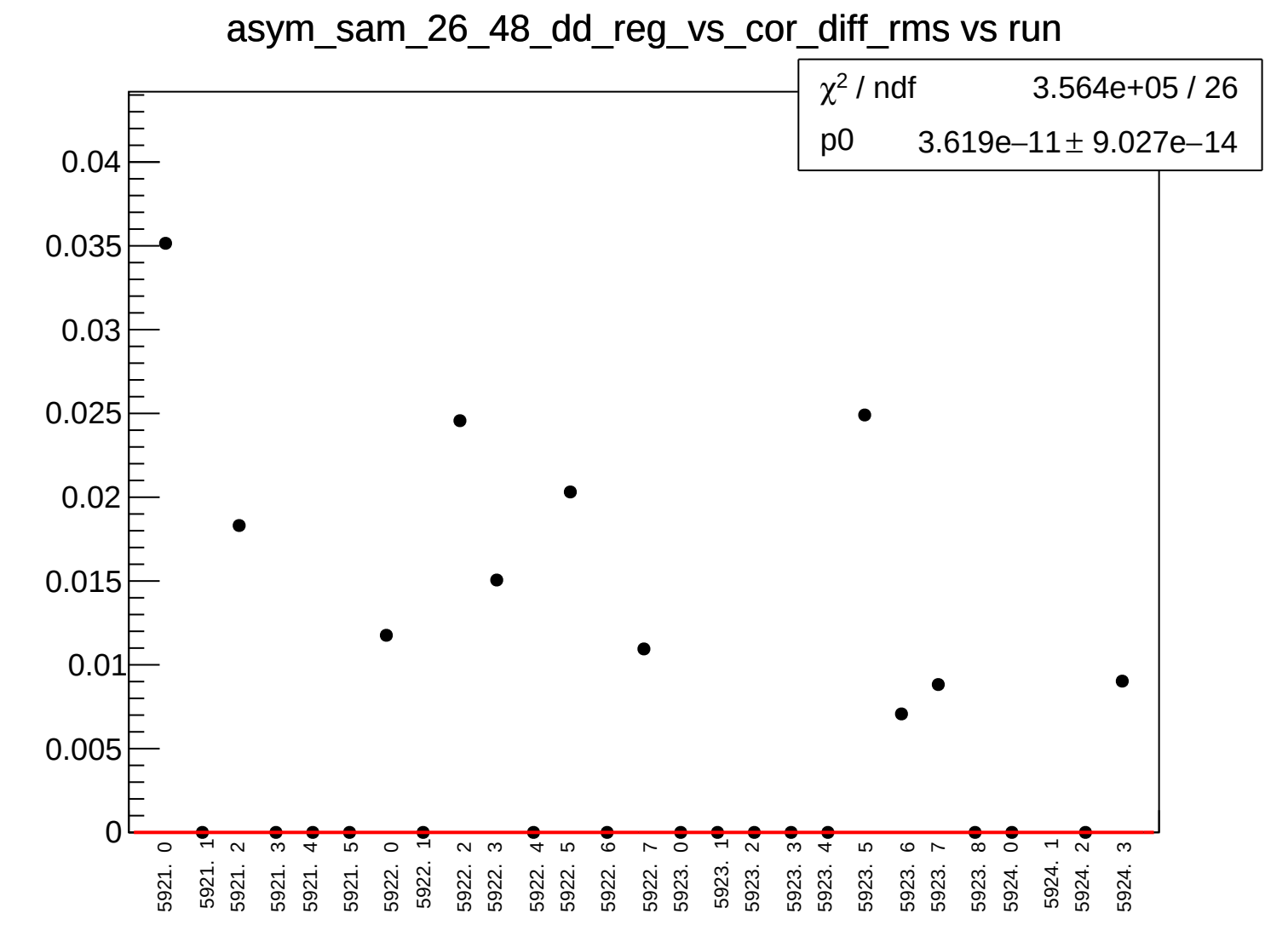

asym_sam_26_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 4596 / 26
p0 1136 ± 1.587
1400
1350
1300
1250
1200
1150
1100
1050
1000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

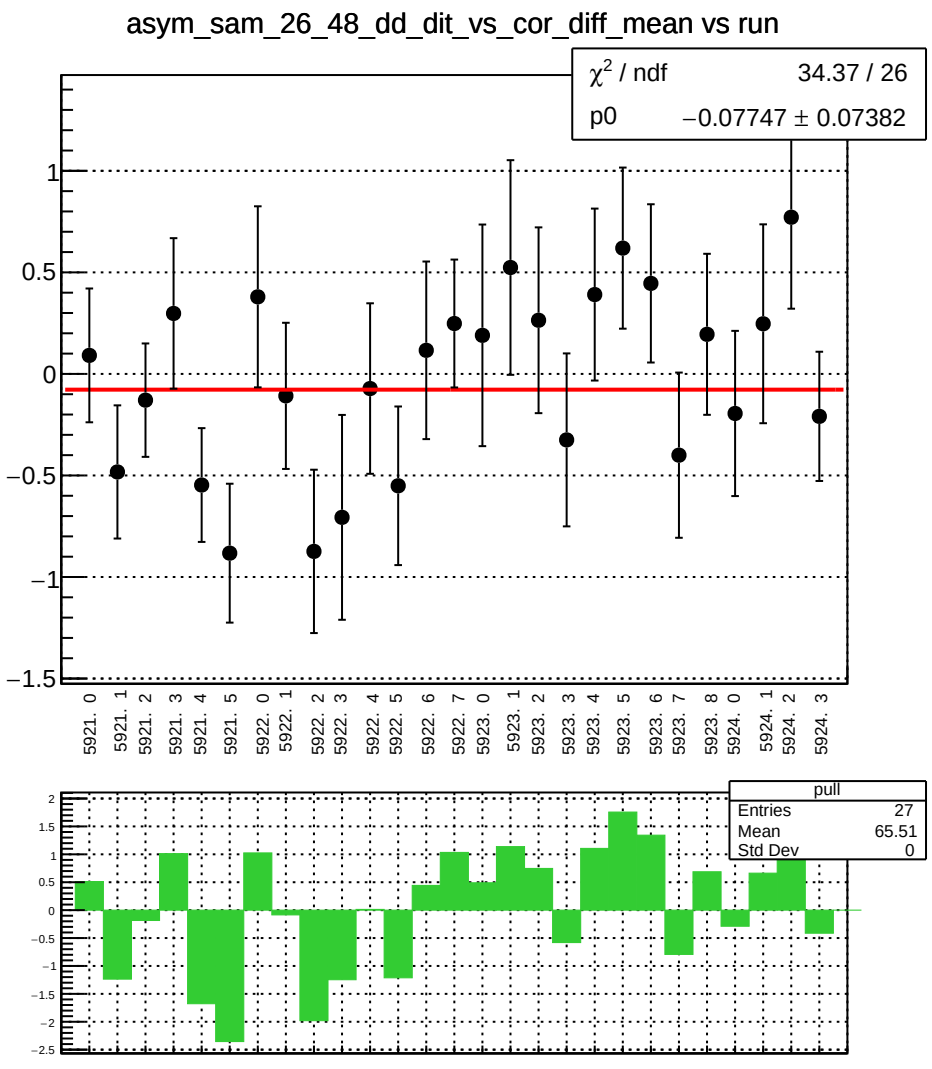

asym_sam_26_48_dd_mean vs run
χ² / ndf 28.17 / 26
p0 2845 ± 2222
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 30.67
Std Dev 0
3
2
1
0
−1
−2

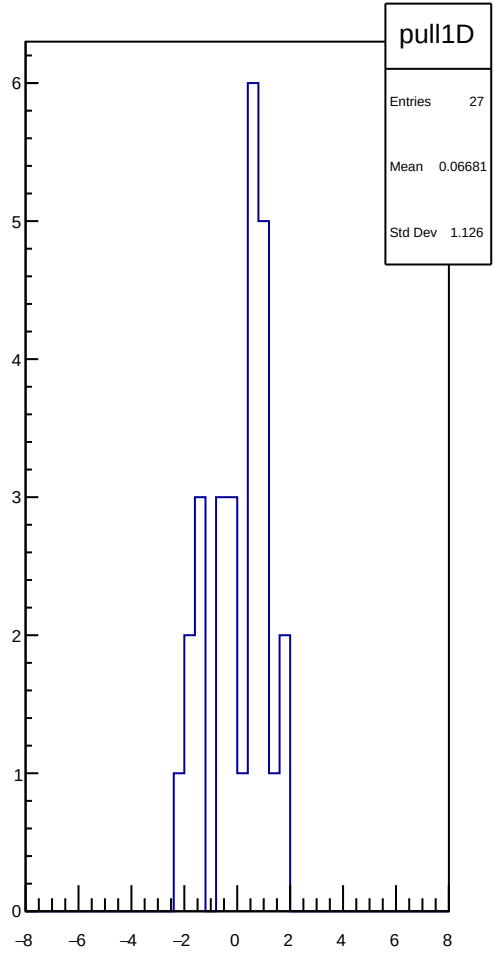

pull1D
Entries 27
Mean −0.05247
Std Dev 1.02
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

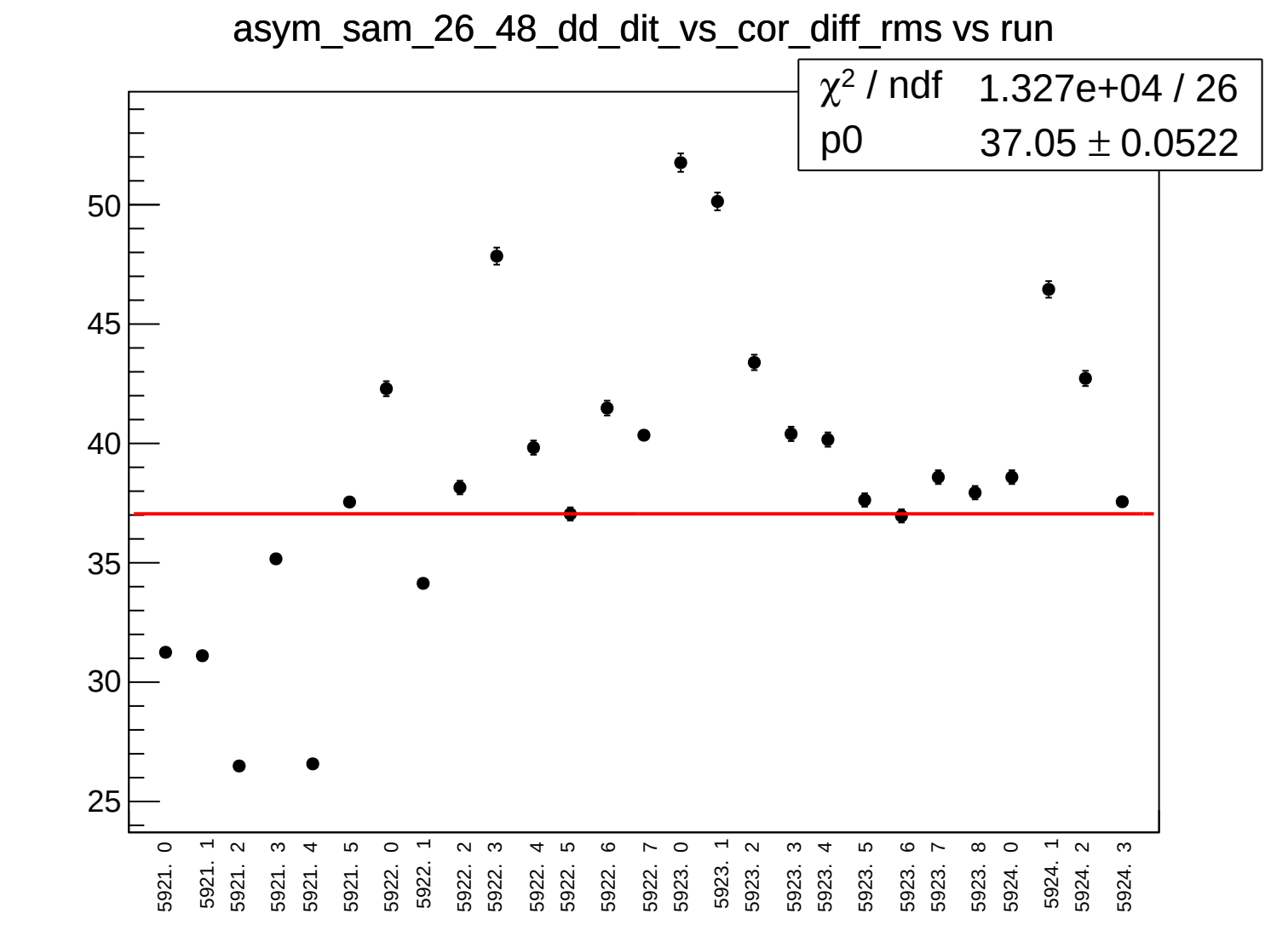

asym_sam_26_48_dd_rms vs run
χ² / ndf 4764 / 26
p0 1125 ± 1.572
1400
1350
1300
1250
1200
1150
1100
1050
1000
950
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

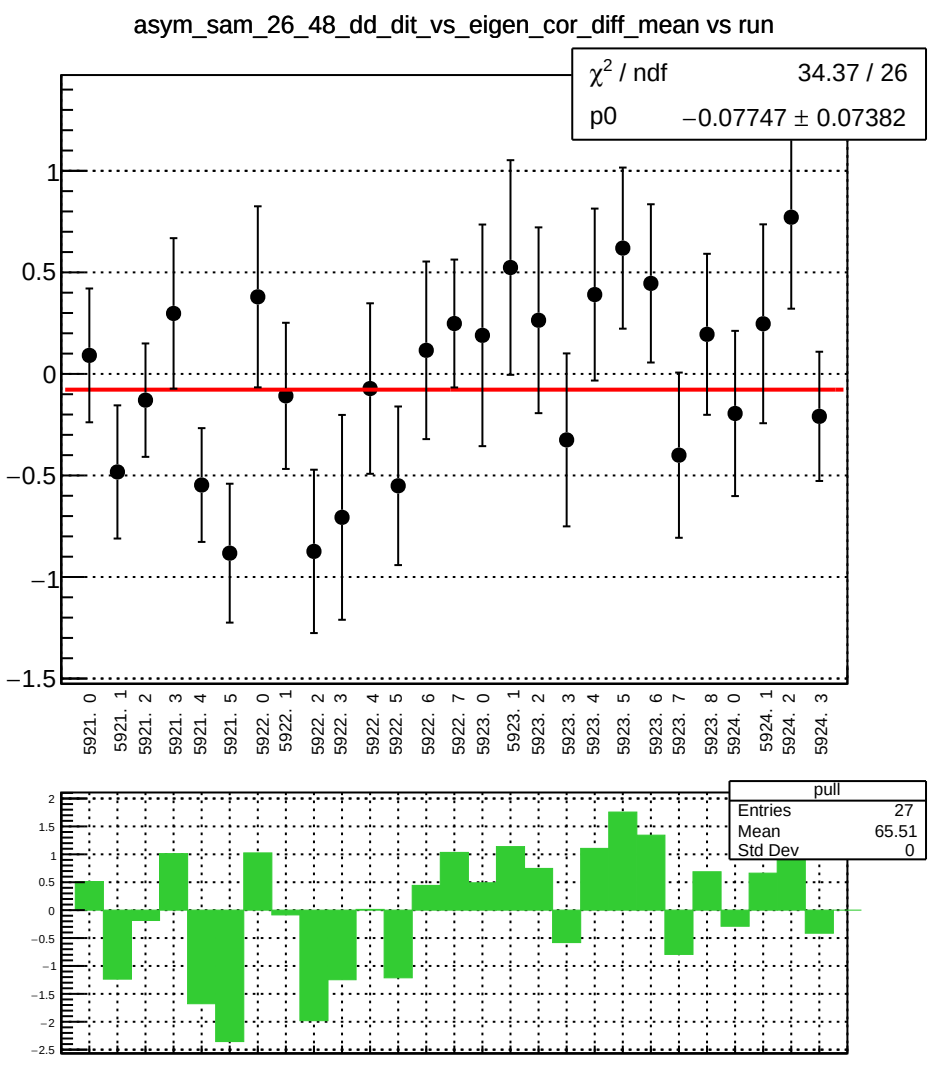

asym_sam_26_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 24.33 / 26
p0 1.692e−13 ± 1.277e−13
0.001
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 16.65
Std Dev 5.588
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.3484
Std Dev 0.8829
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

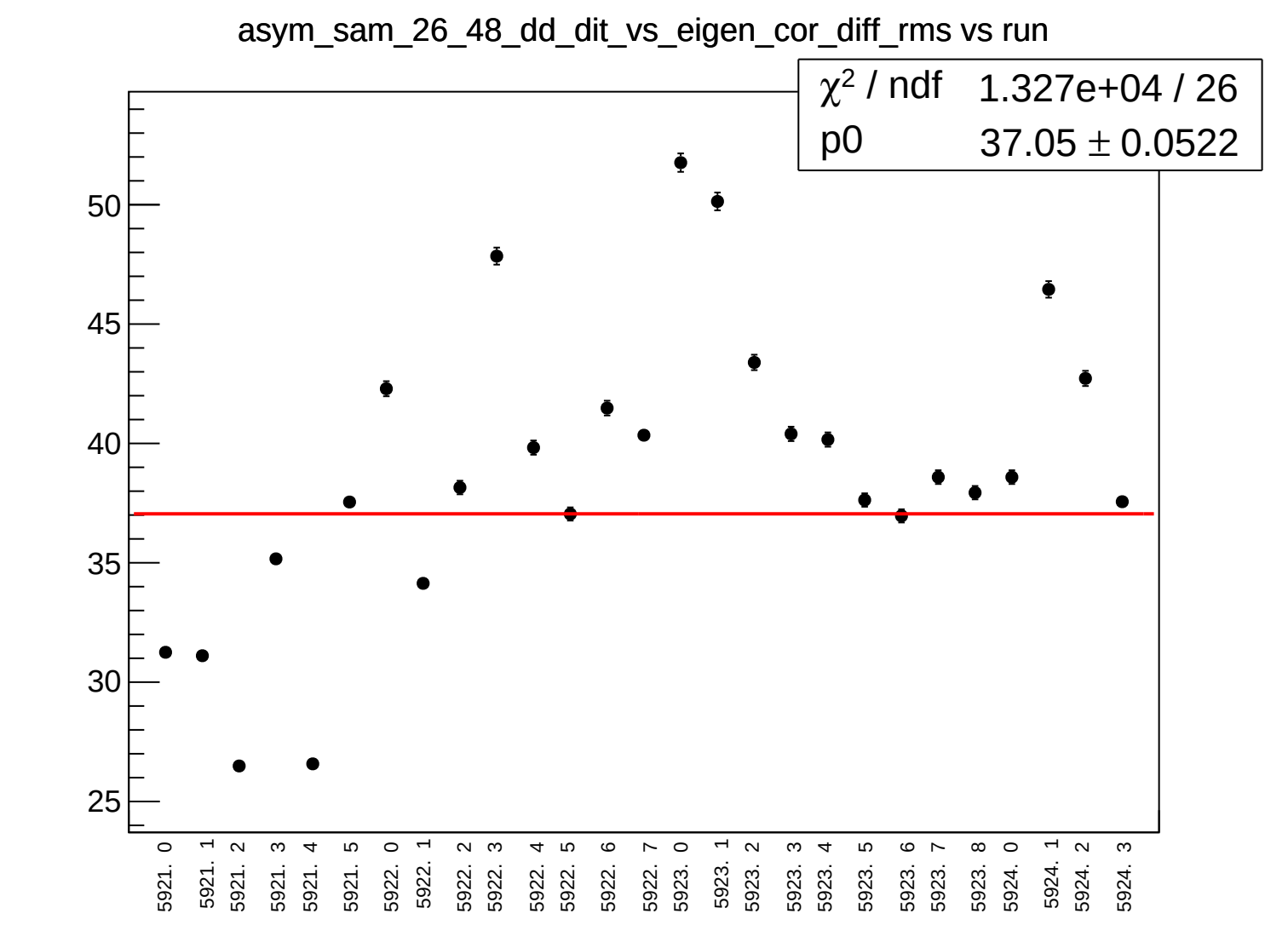

asym_sam_26_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.564e+05 / 26
p0 3.619e−11 ± 9.027e−14
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

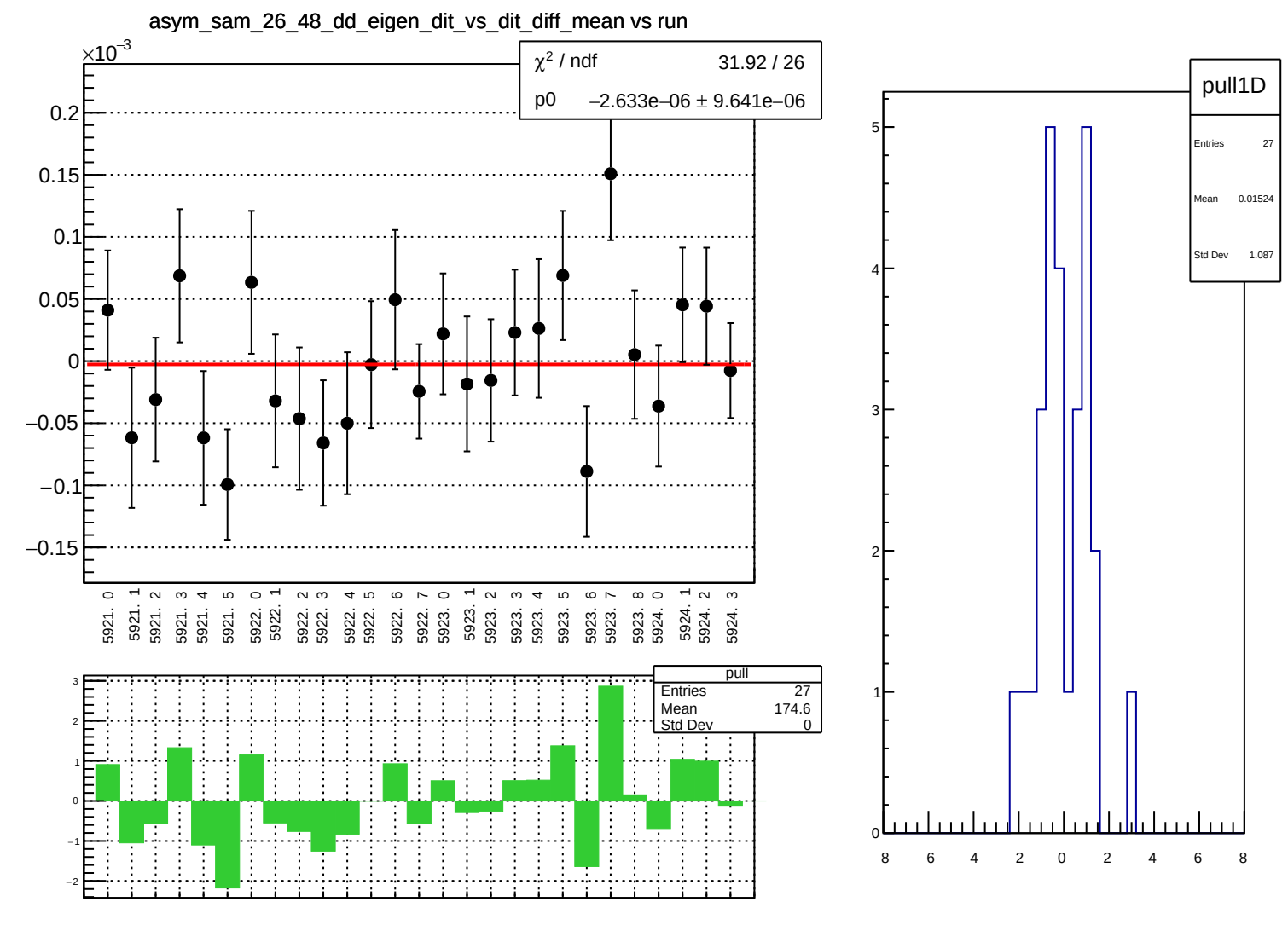

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 34.37 / 26
p0 −0.07747 ± 0.07382
1
0.5
0
−0.5
−1
−1.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 65.51
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

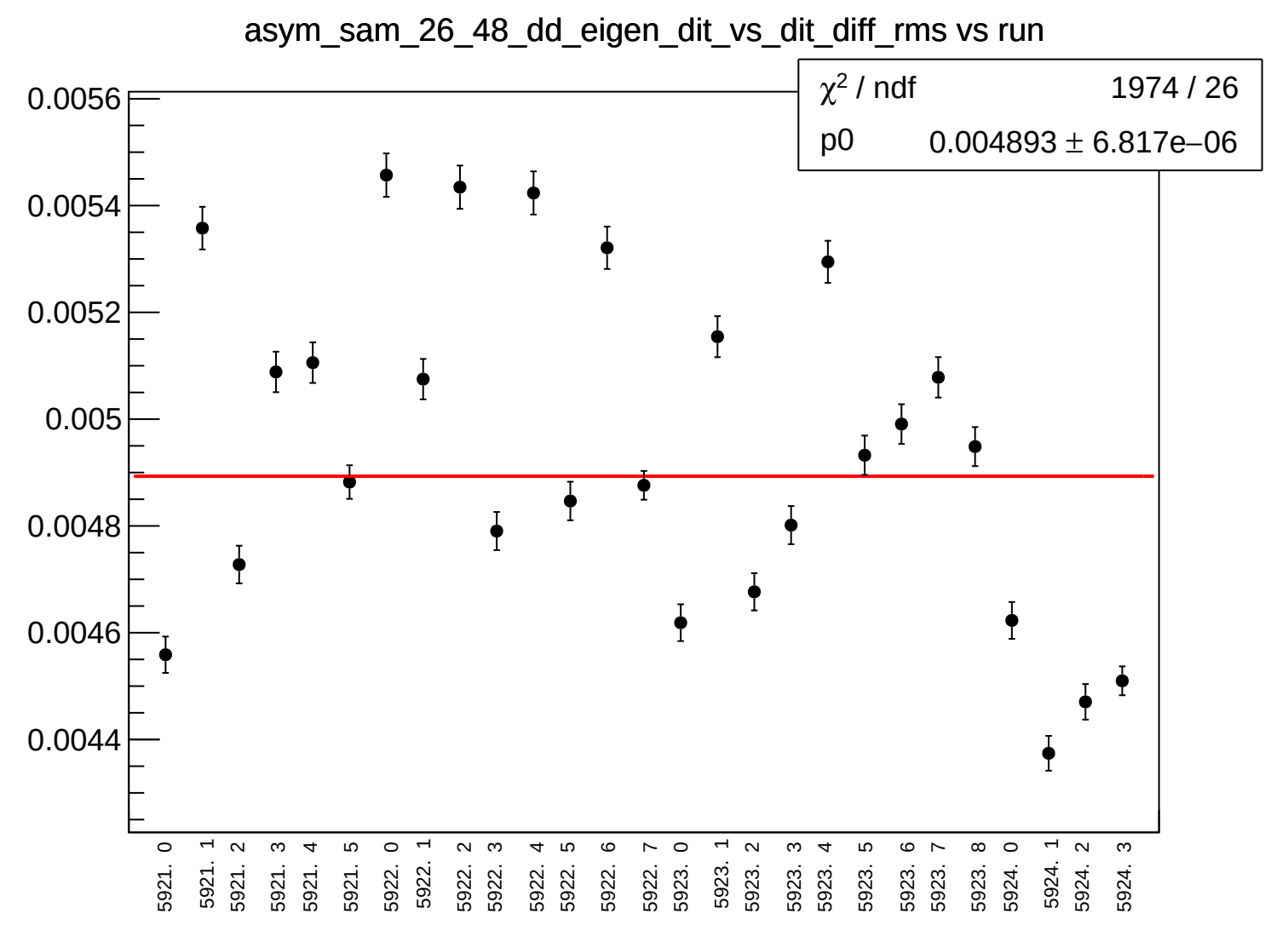

pull1D
Entries 27
Mean 0.06681
Std Dev 1.126
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

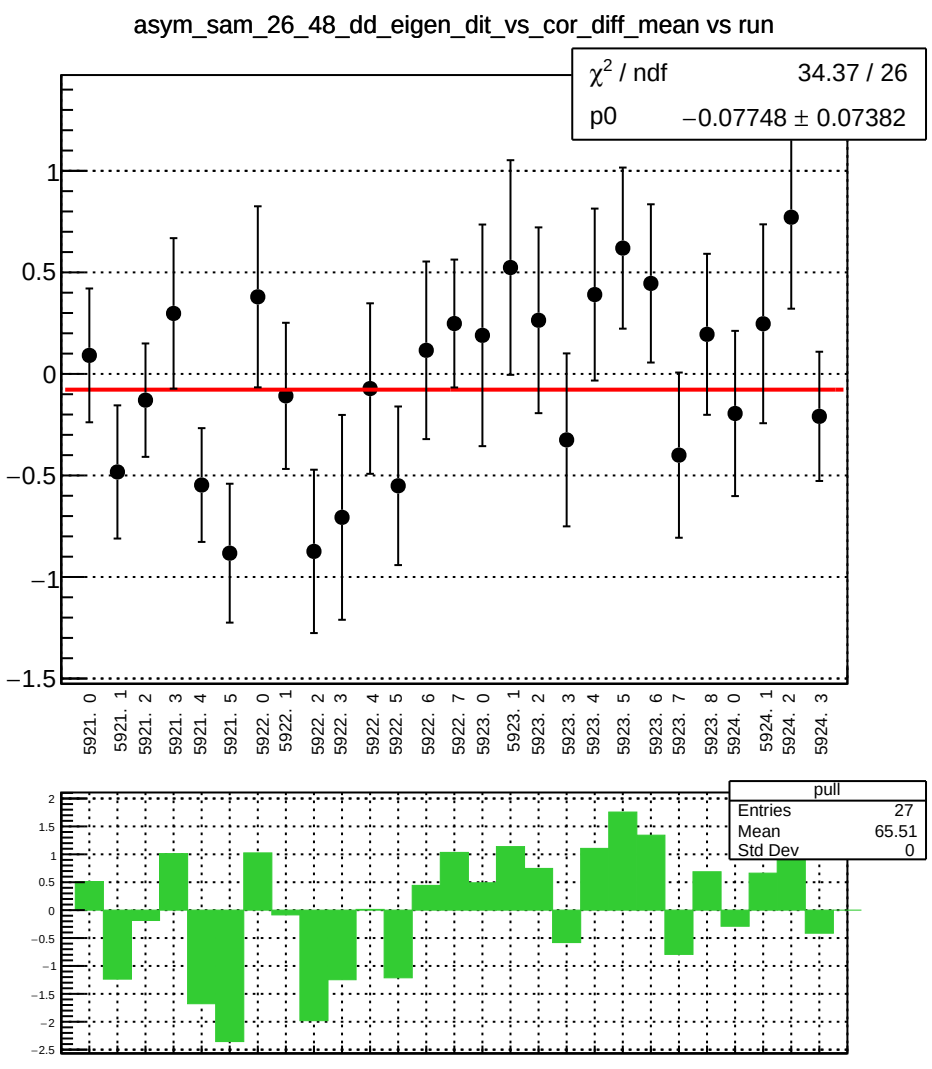

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.327e+04 / 26
p0 37.05 ± 0.0522
50
45
40
35
30
25
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

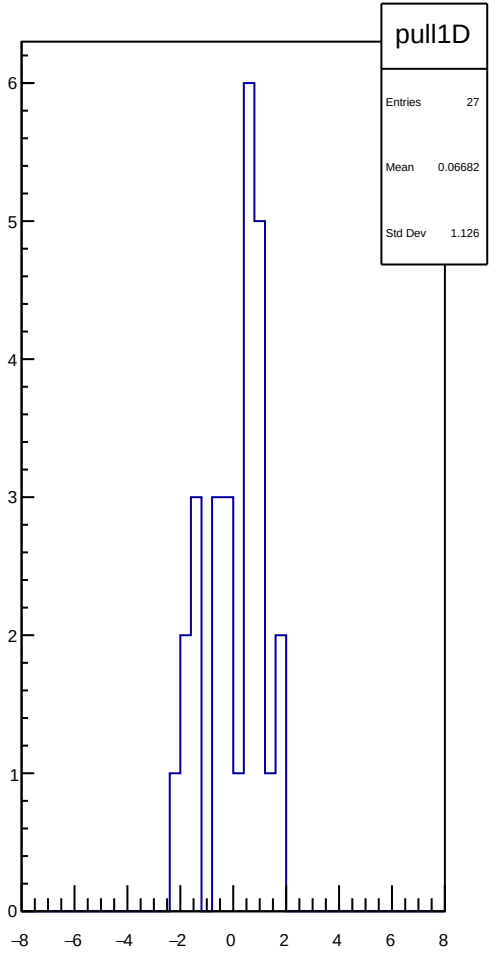

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 34.37 / 26
p0 −0.07747 ± 0.07382
pull
Entries 27
Mean 65.51
Std Dev 0
pull1D
Entries 27
Mean 0.06681
Std Dev 1.126

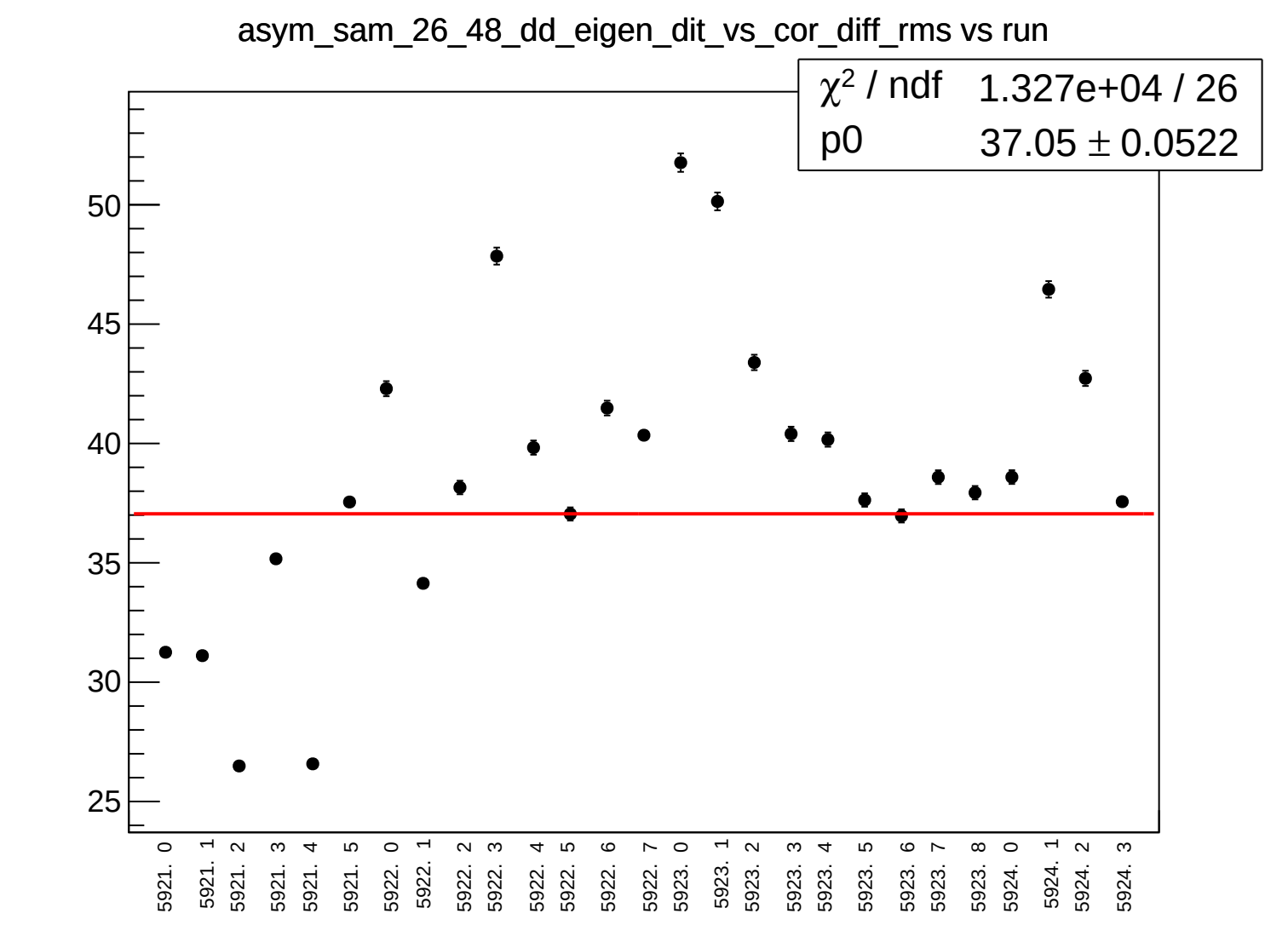

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.327e+04 / 26
p0 37.05 ± 0.0522
50
45
40
35
30
25
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


asym_sam_26_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 31.92 / 26
p0 −2.633e−06 ± 9.641e−06
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 174.6
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.01524
Std Dev 1.087
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

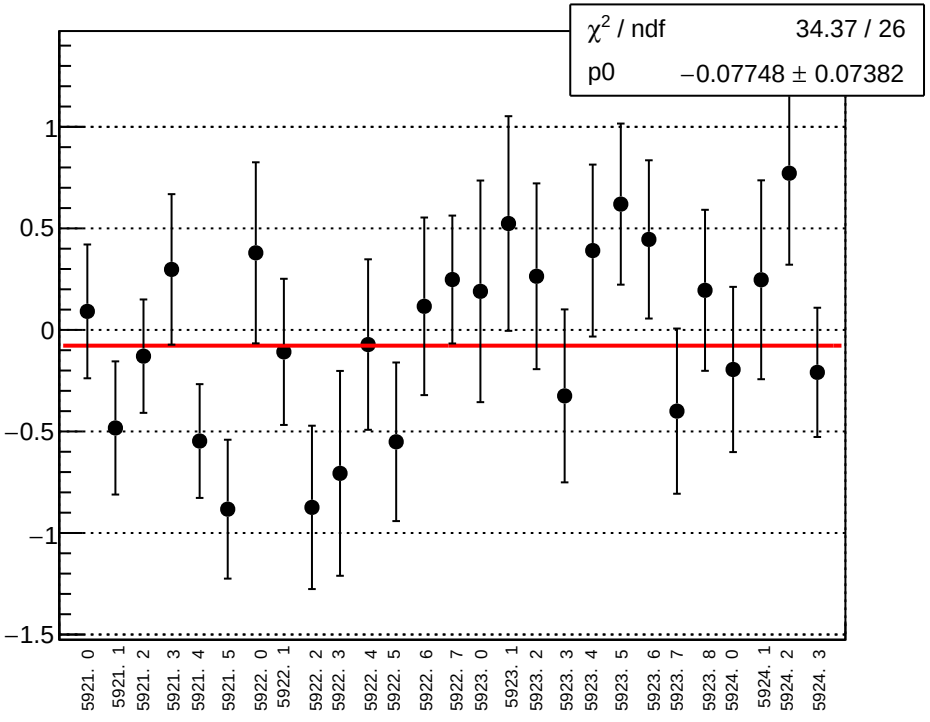

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1974 / 26
p0 0.004893 ± 6.817e−06
0.0056
0.0054
0.0052
0.005
0.0048
0.0046
0.0044
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

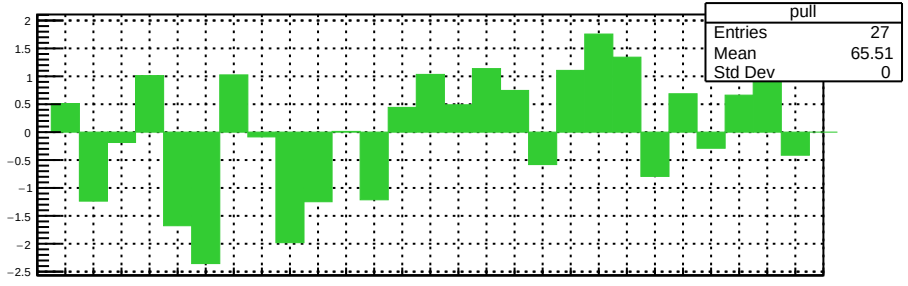

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 34.37 / 26
p0 −0.07748 ± 0.07382
1
0.5
0
−0.5
−1
−1.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 65.51
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

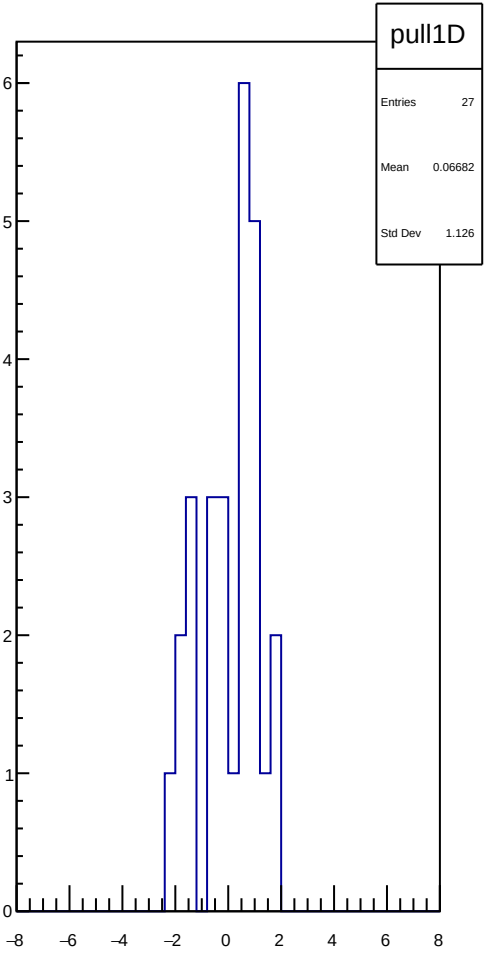

pull1D
Entries 27
Mean 0.06682
Std Dev 1.126
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

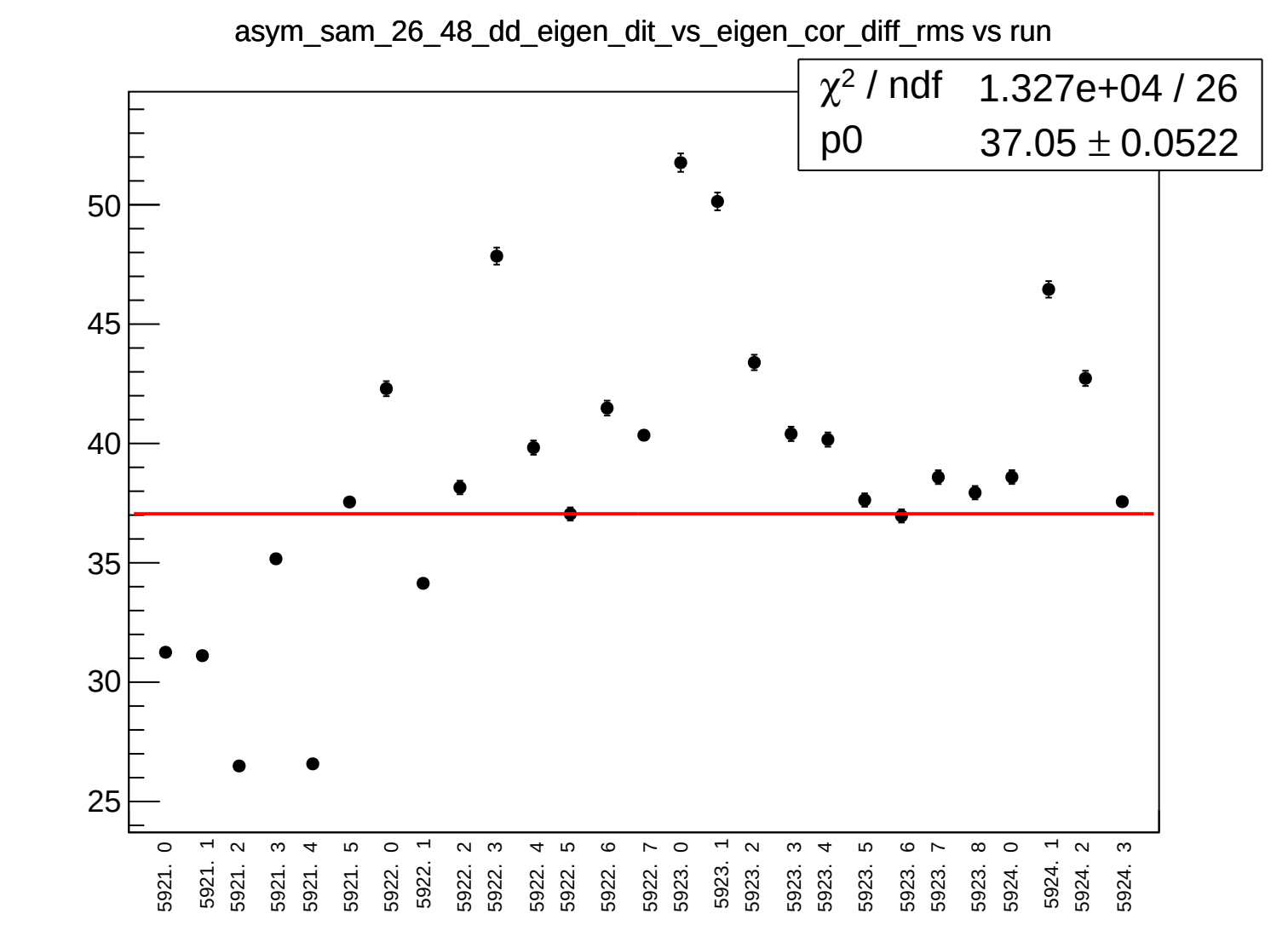

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.327e+04 / 26
p0 37.05 ± 0.0522
50
45
40
35
30
25
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

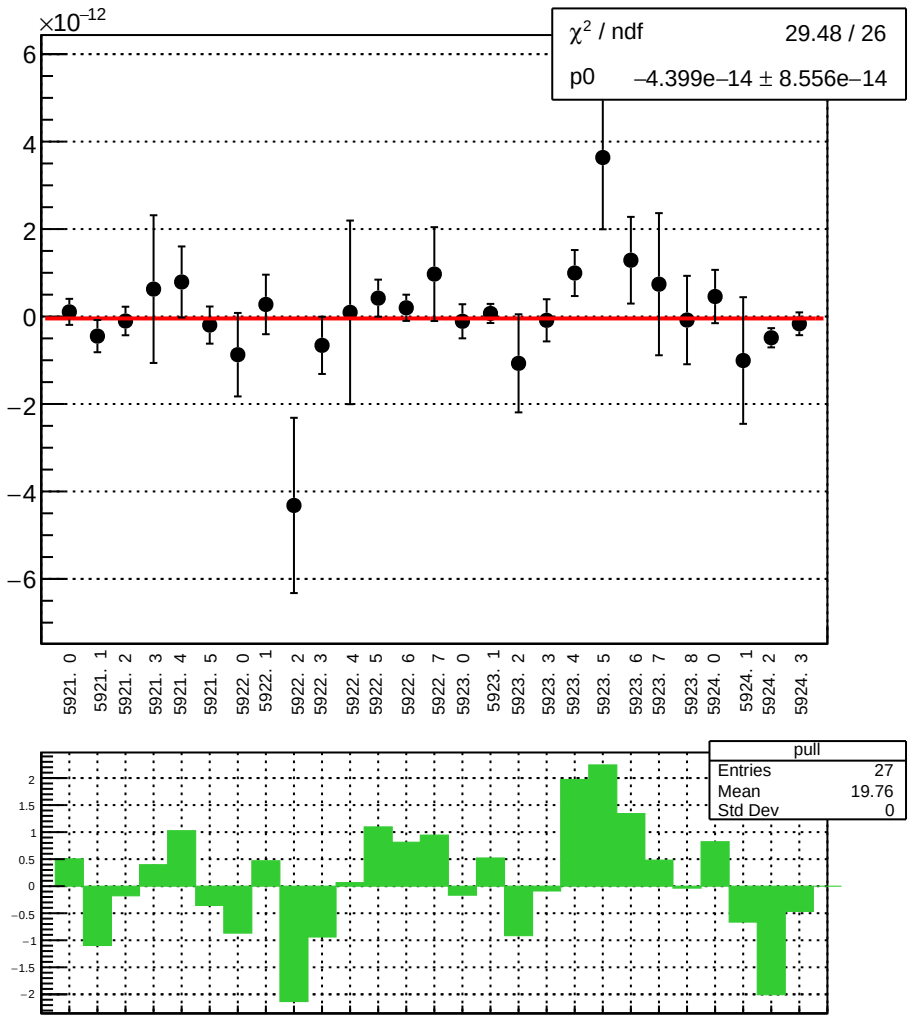
asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

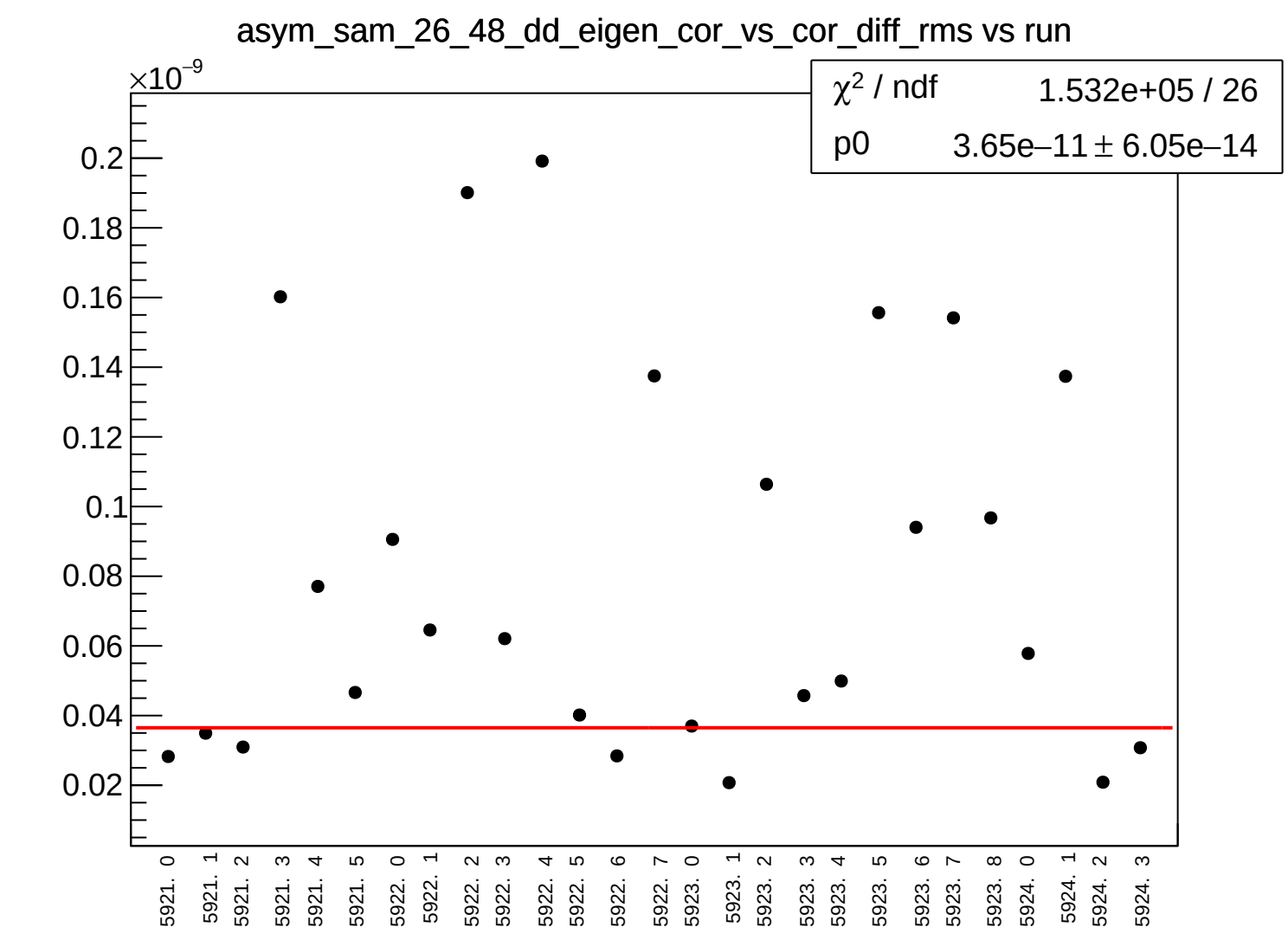


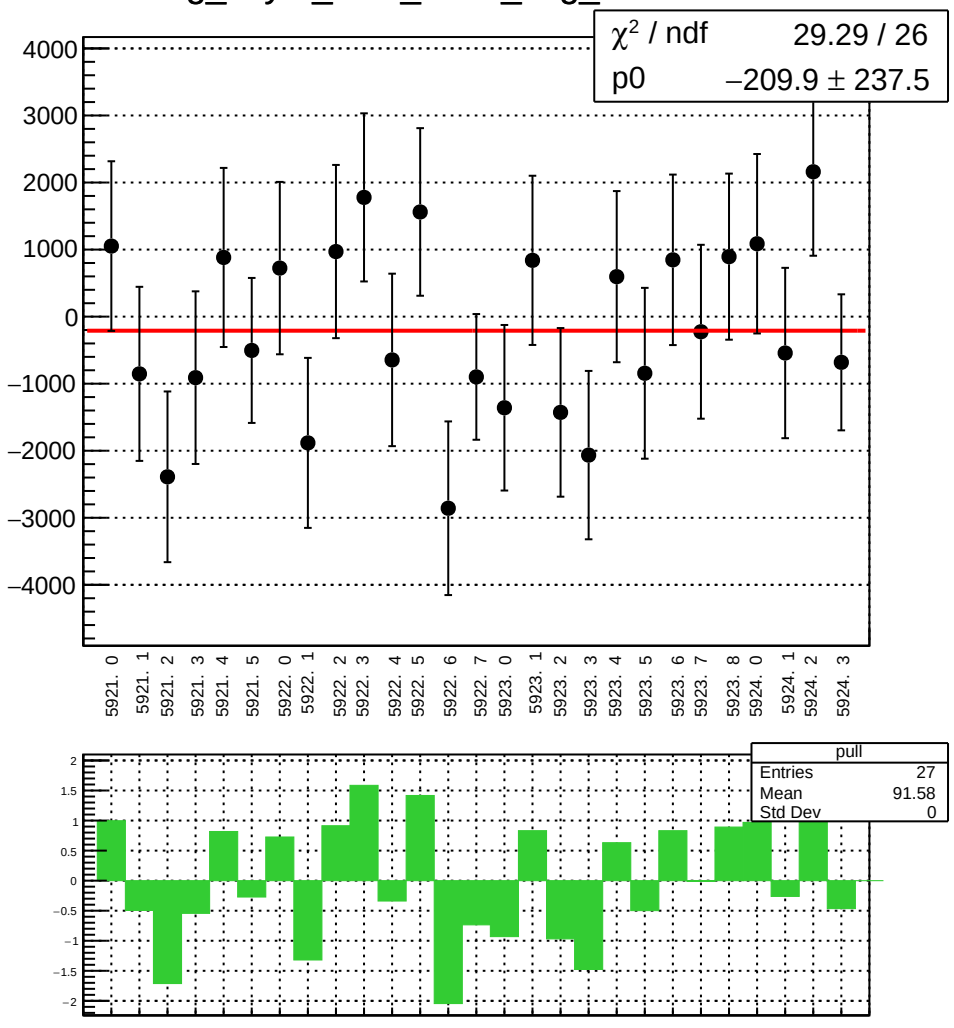


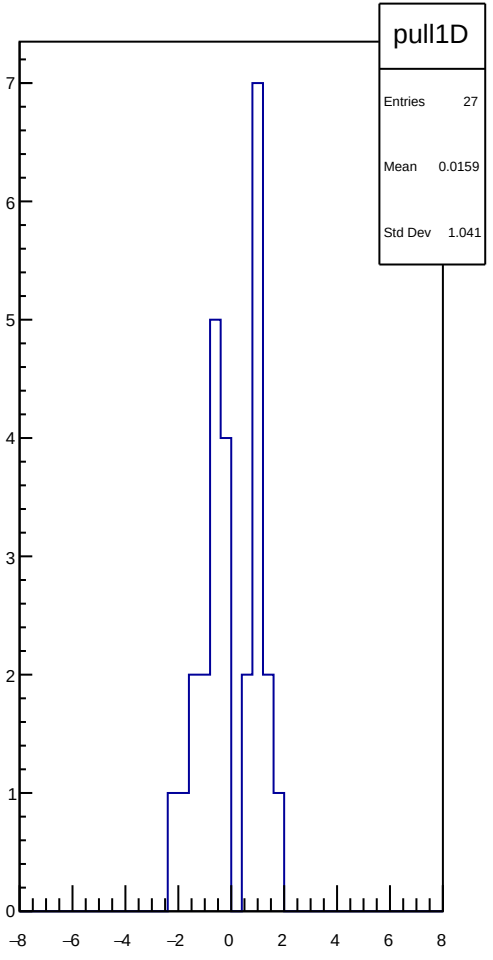


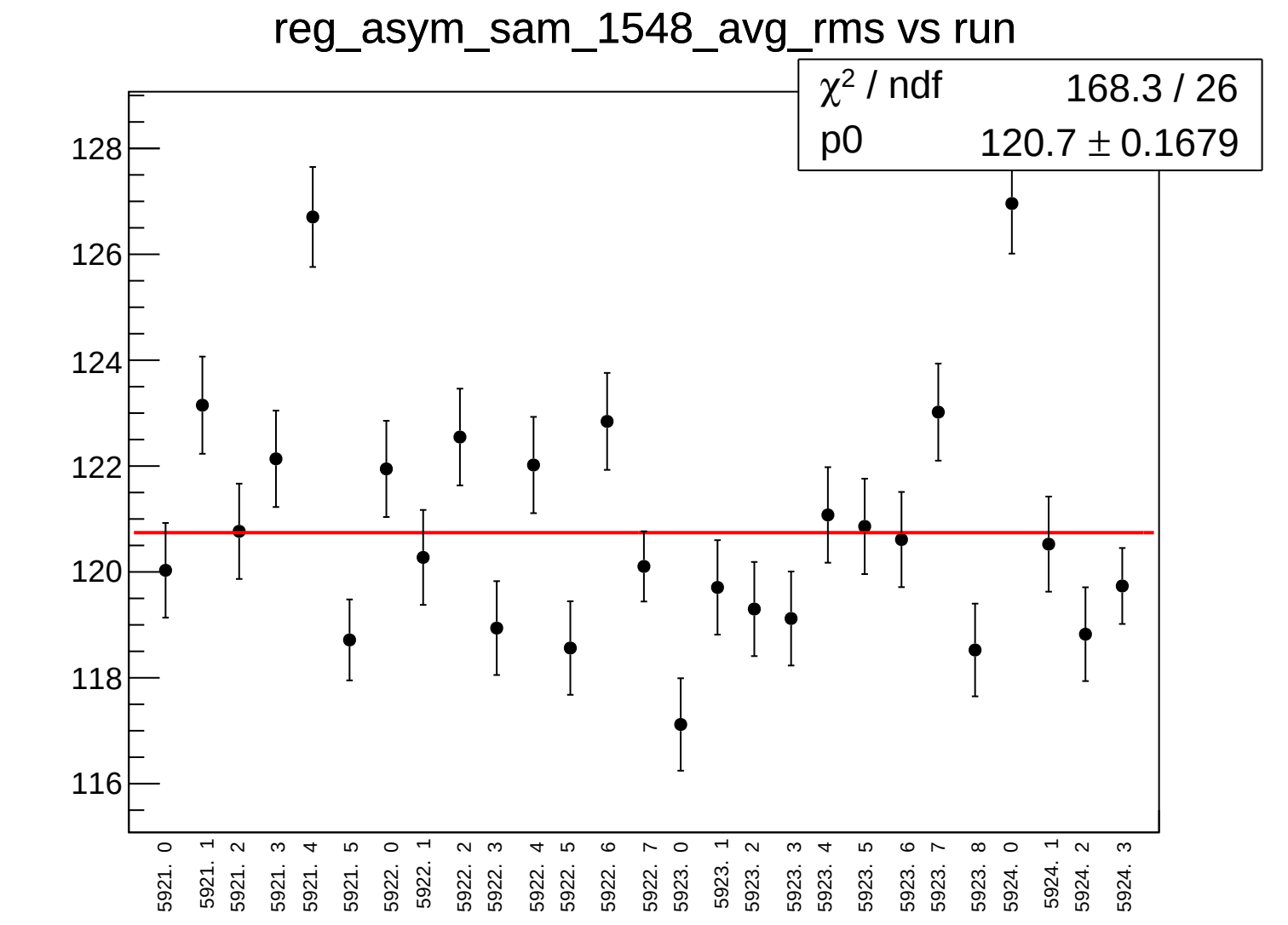

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.327e+04 / 26
p0 37.05 ± 0.0522
50
45
40
35
30
25
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

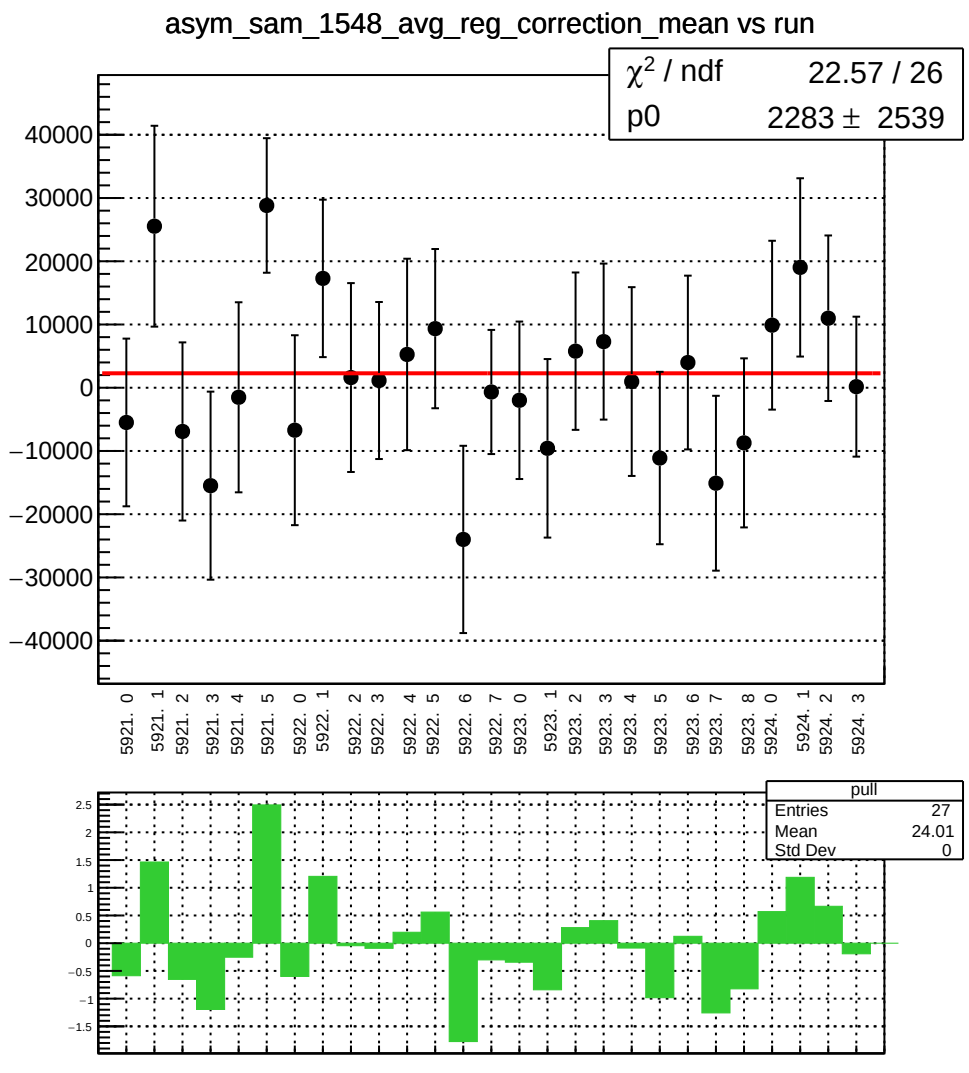

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10^−12
χ² / ndf 29.48 / 26
p0 −4.399e−14 ± 8.556e−14
6
4
2
0
−2
−4
−6
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 19.76
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean 0.1033
Std Dev 1.04
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

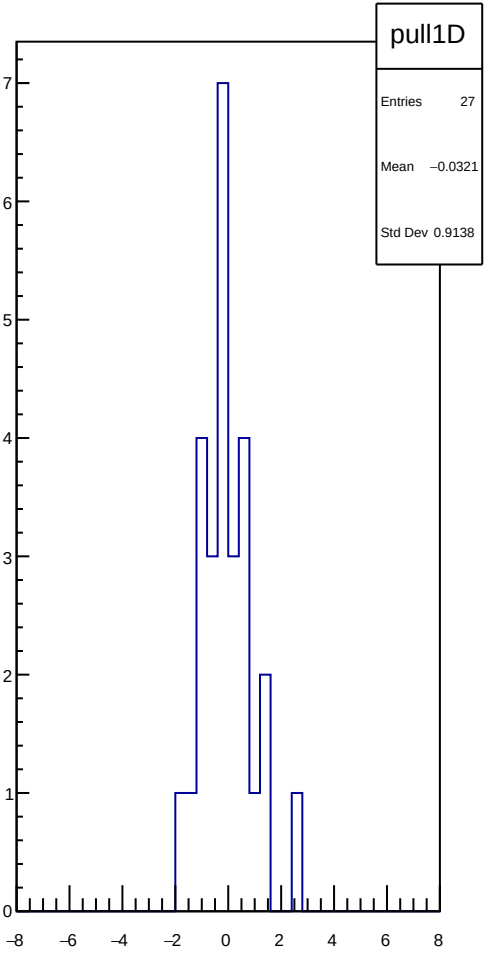

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.532e+05 / 26
p0 3.65e−11 ± 6.05e−14
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

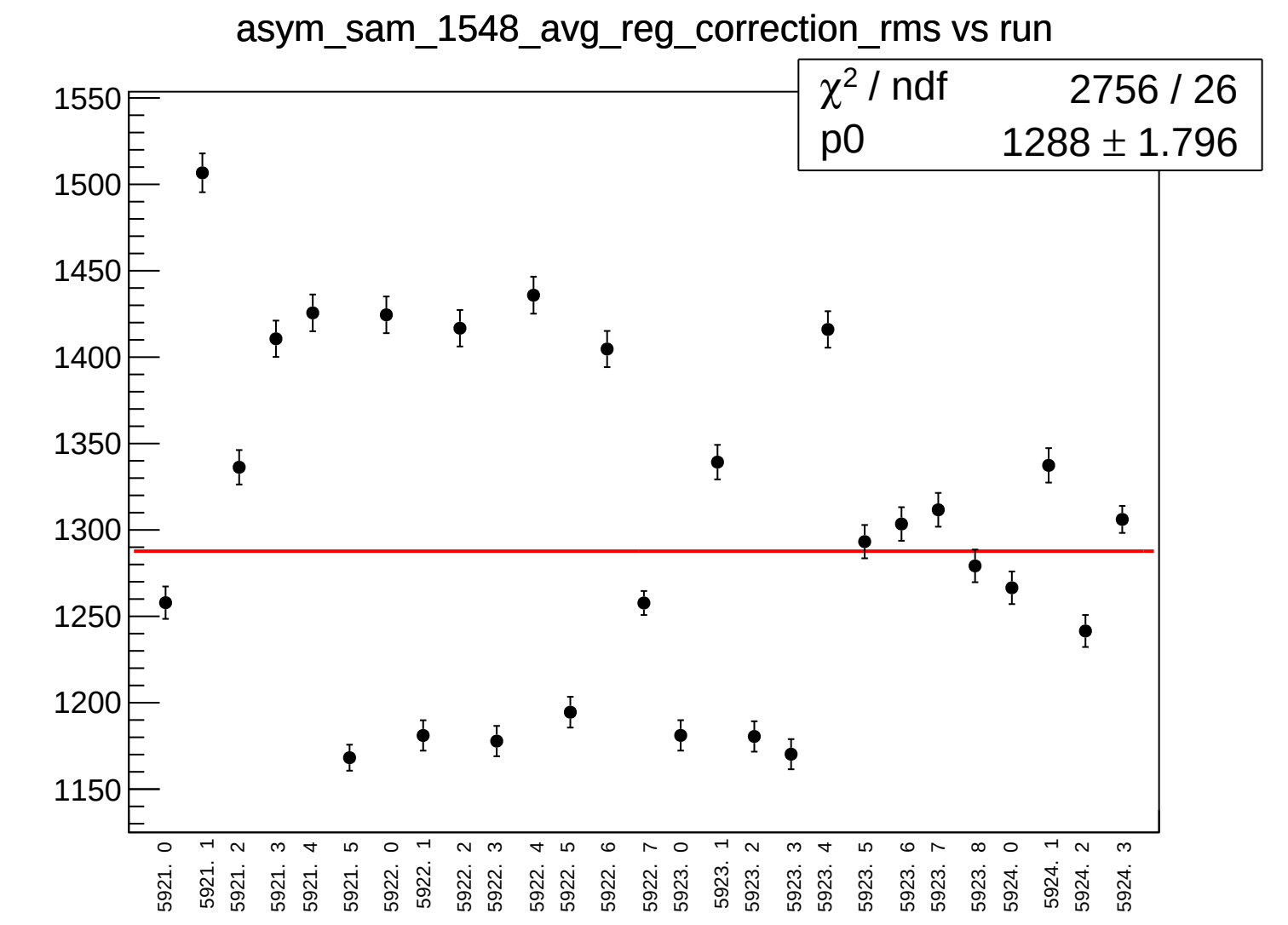

reg_asym_sam_1548_avg_mean vs run
χ² / ndf 29.29 / 26
p0 −209.9 ± 237.5
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 91.58
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

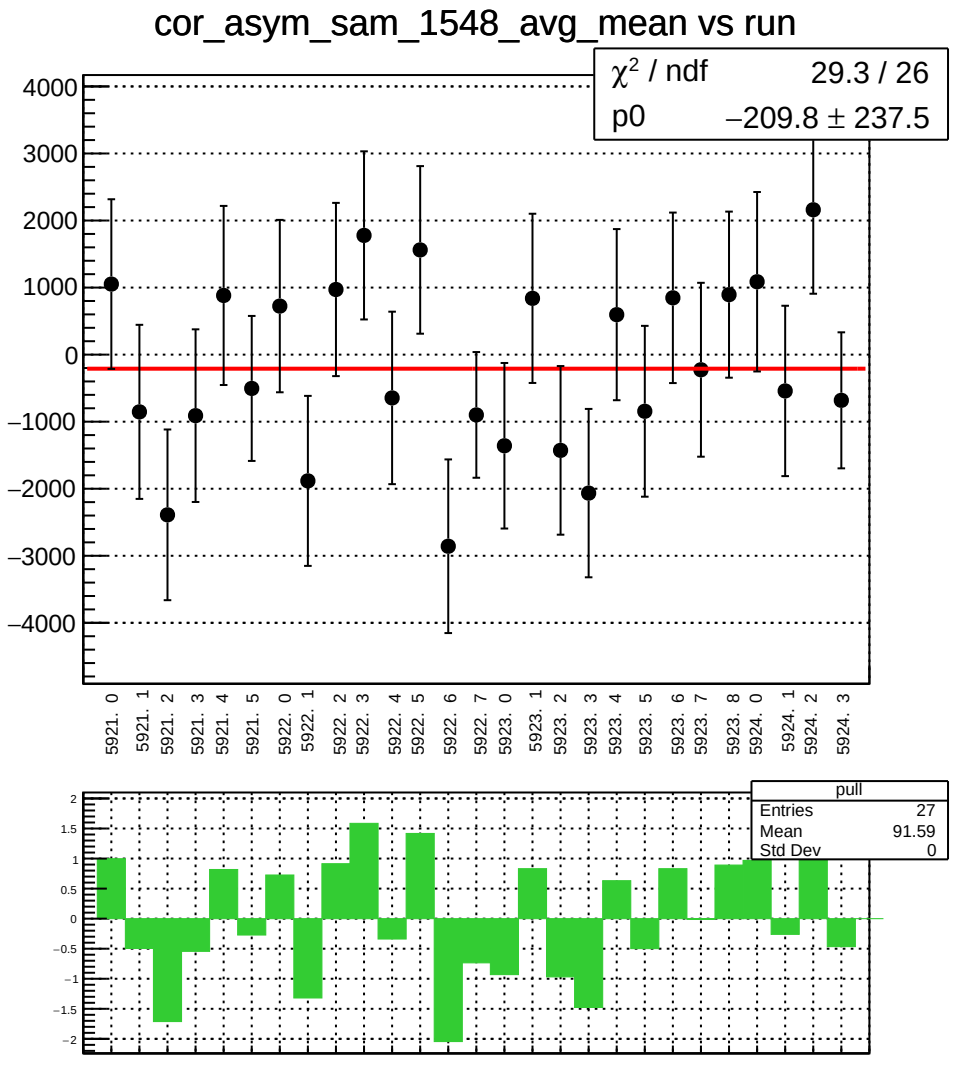

pull1D
Entries 27
Mean 0.0159
Std Dev 1.041
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

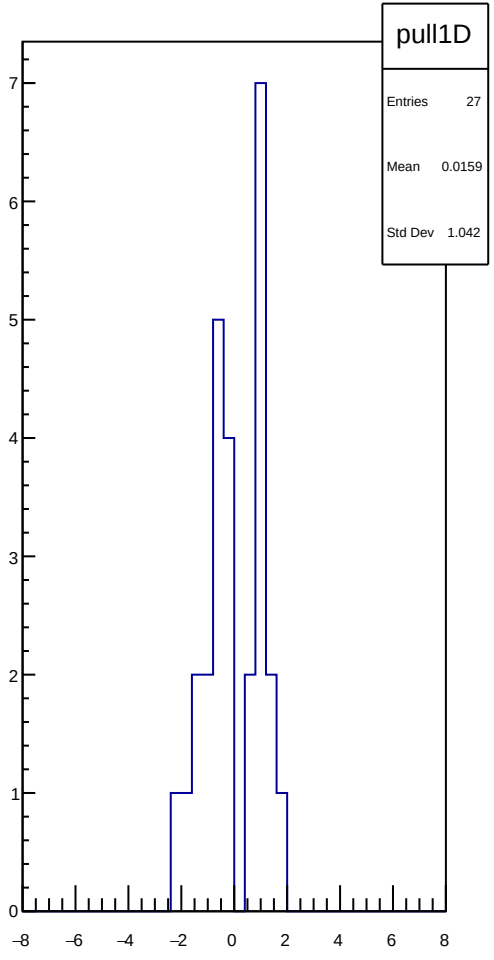

reg_asym_sam_1548_avg_rms vs run
χ² / ndf 168.3 / 26
p0 120.7 ± 0.1679
128
126
124
122
120
118
116
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

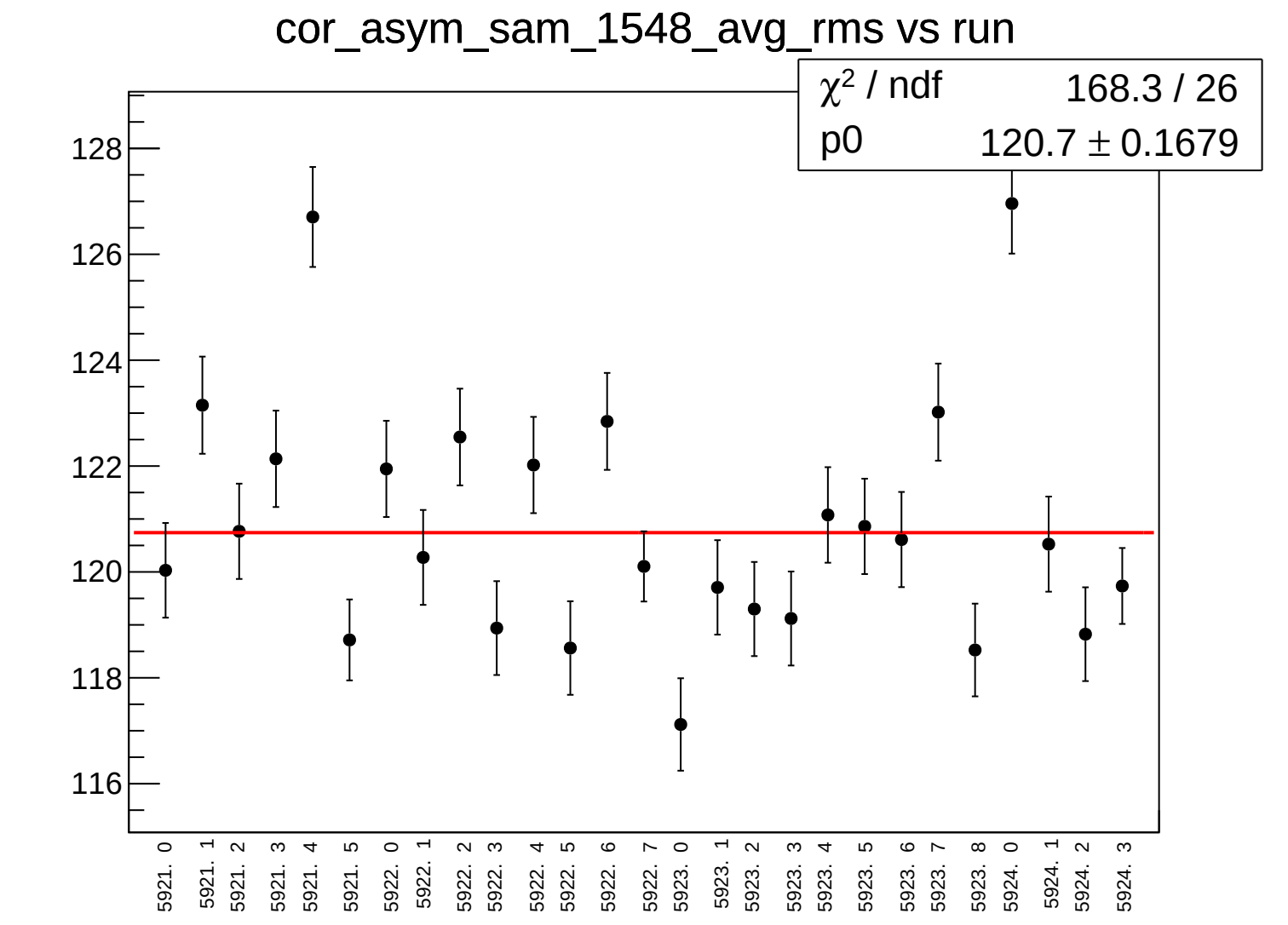

asym_sam_1548_avg_reg_correction_mean vs run
χ² / ndf 22.57 / 26
p0 2283 ± 2539
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 24.01
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

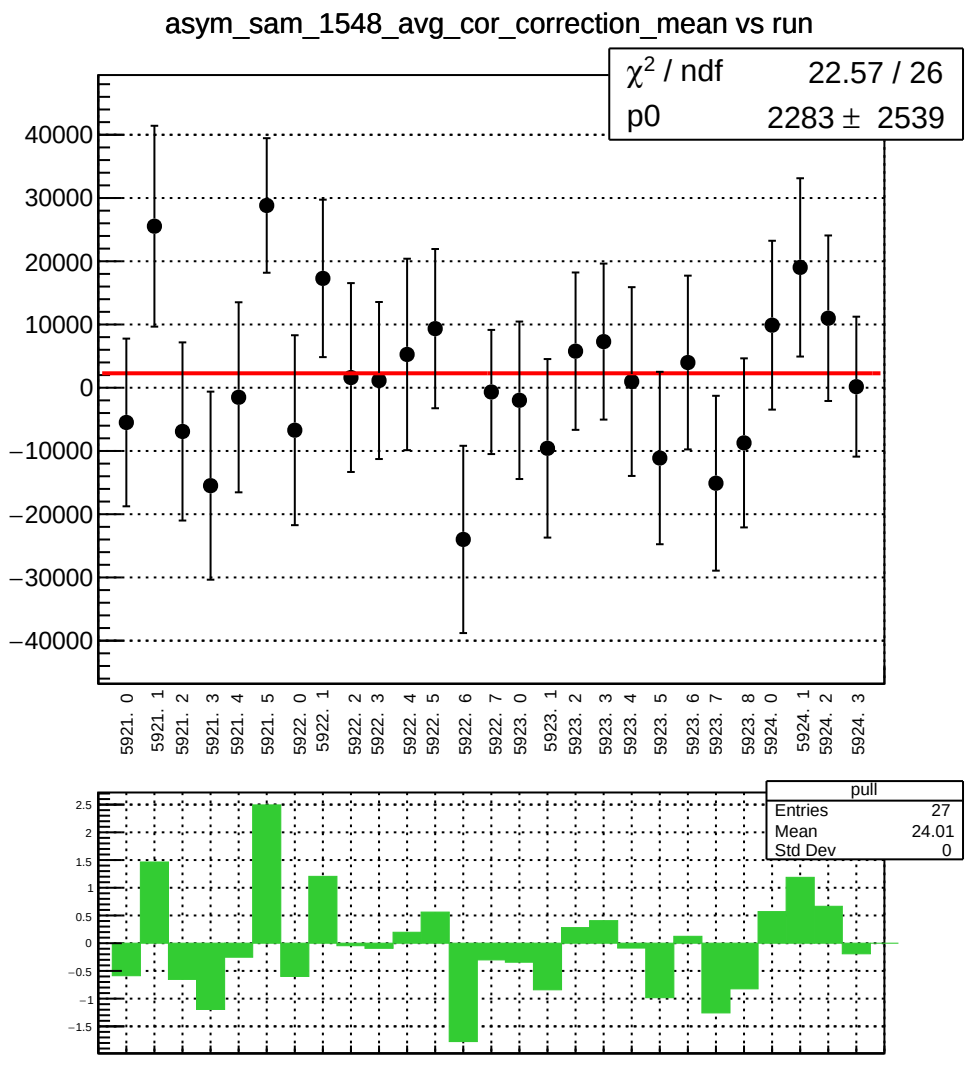

pull1D
Entries 27
Mean −0.0321
Std Dev 0.9138
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

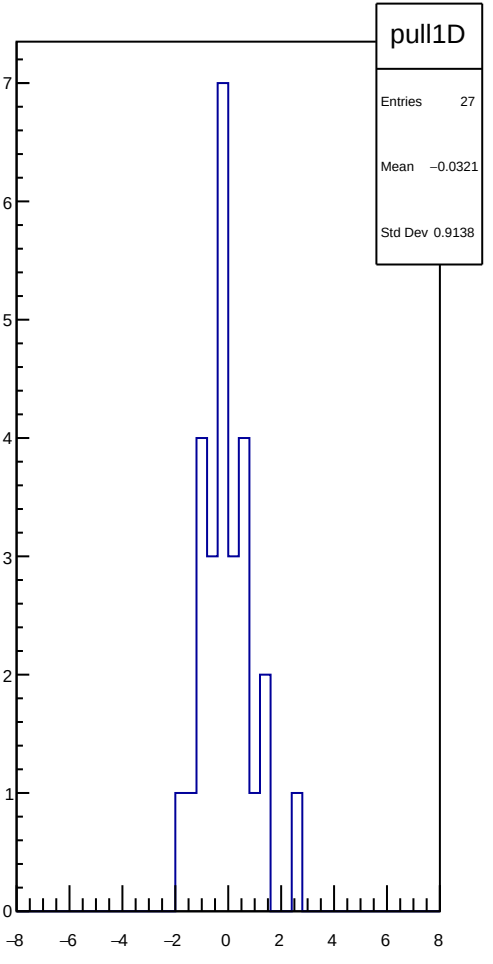

asym_sam_1548_avg_reg_correction_rms vs run
χ² / ndf 2756 / 26
p0 1288 ± 1.796
1550
1500
1450
1400
1350
1300
1250
1200
1150
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

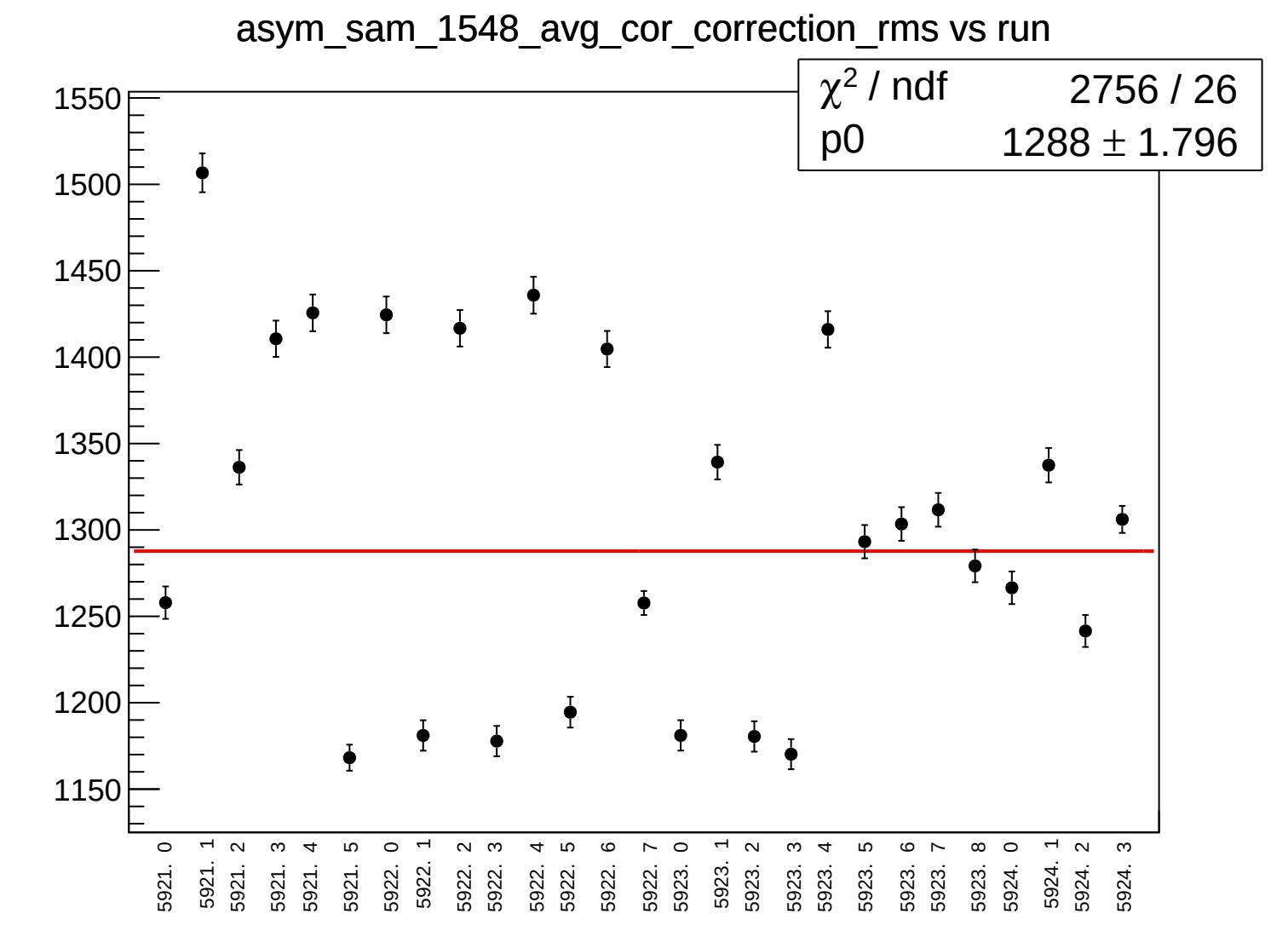

cor_asym_sam_1548_avg_mean vs run
χ² / ndf 29.3 / 26
p0 −209.8 ± 237.5
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 91.59
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

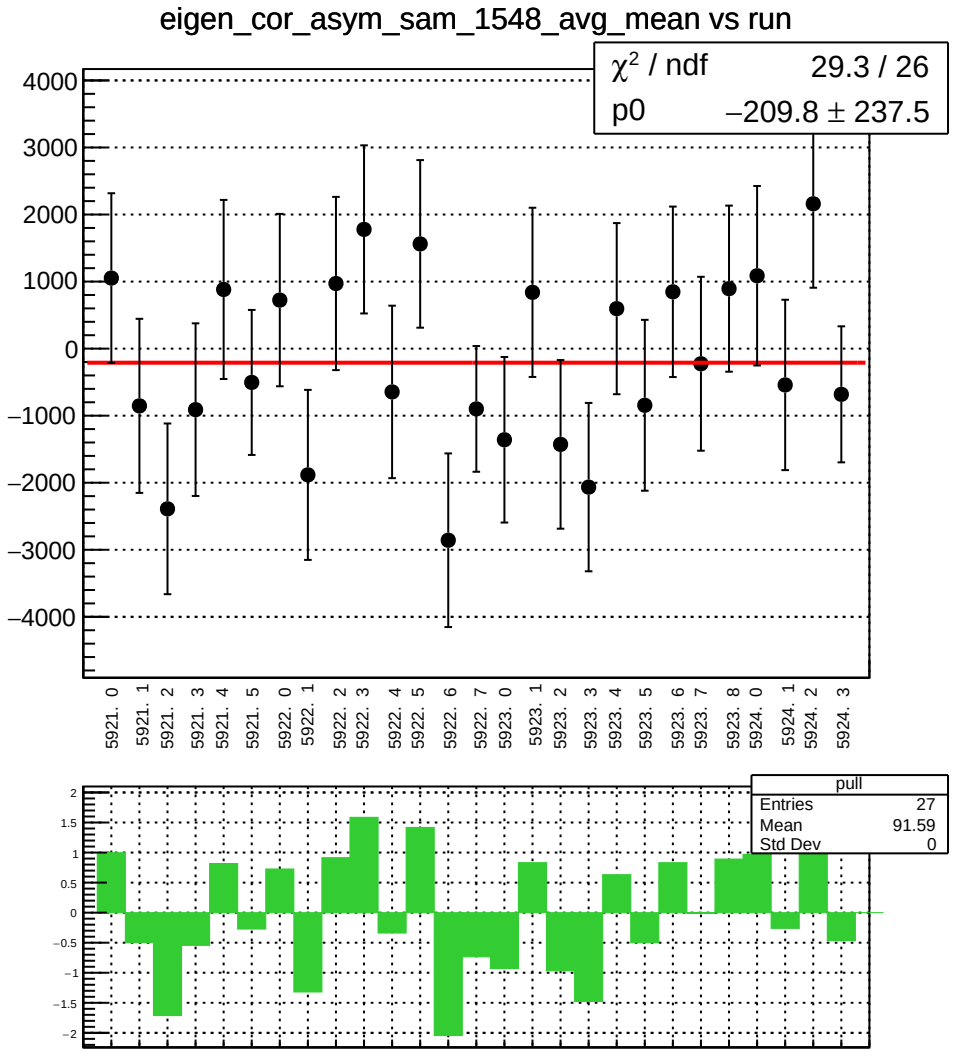

pull1D
Entries 27
Mean 0.0159
Std Dev 1.042
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

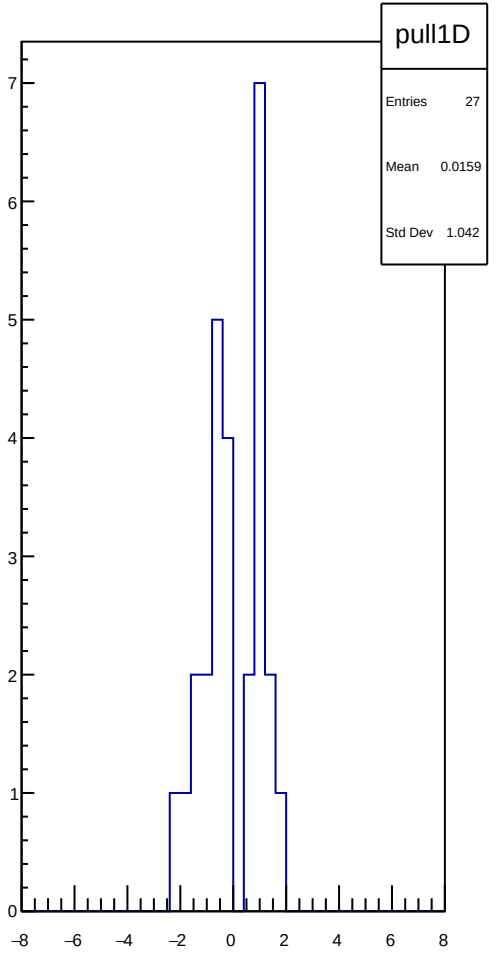

cor_asym_sam_1548_avg_rms vs run
χ² / ndf 168.3 / 26
p0 120.7 ± 0.1679
128
126
124
122
120
118
116
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

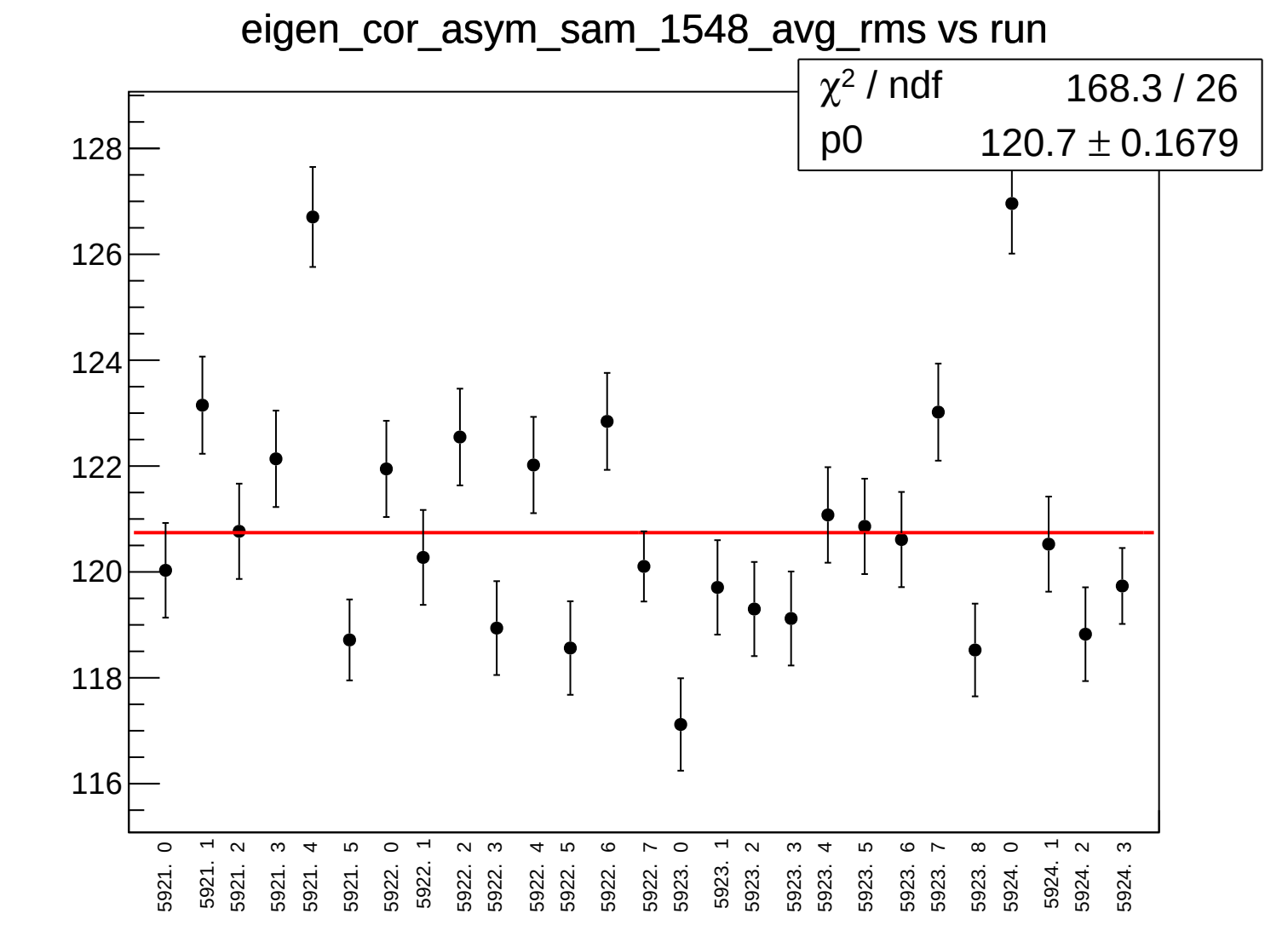

asym_sam_1548_avg_cor_correction_mean vs run
χ² / ndf 22.57 / 26
p0 2283 ± 2539
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 24.01
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

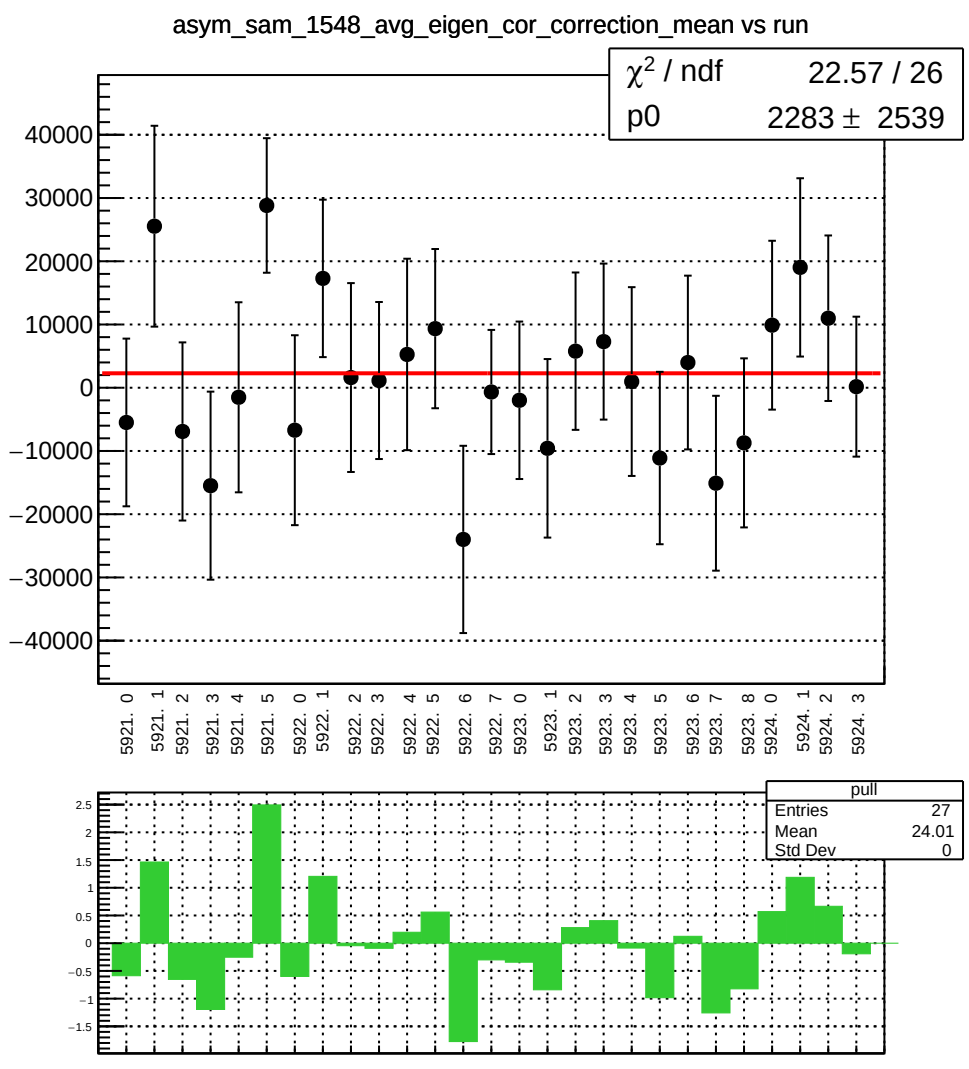

pull1D
Entries 27
Mean −0.0321
Std Dev 0.9138
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

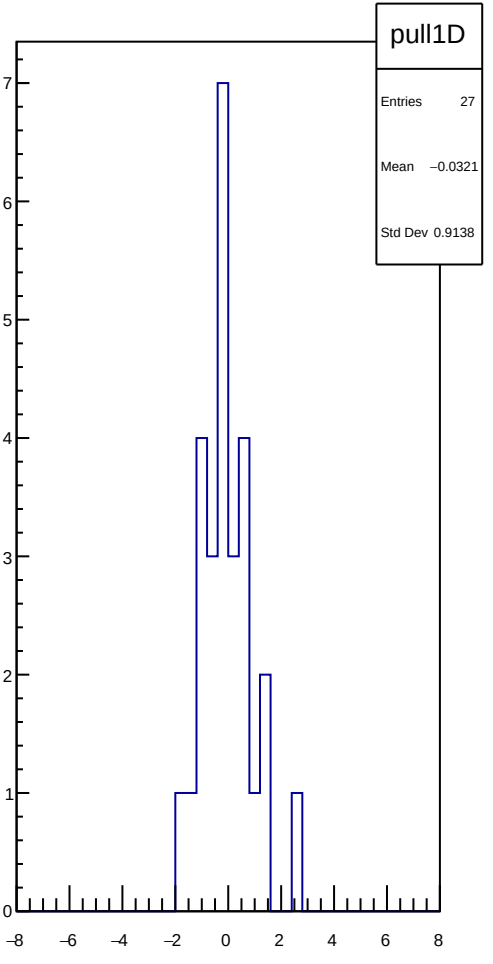

asym_sam_1548_avg_cor_correction_rms vs run
χ² / ndf 2756 / 26
p0 1288 ± 1.796
1550
1500
1450
1400
1350
1300
1250
1200
1150
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

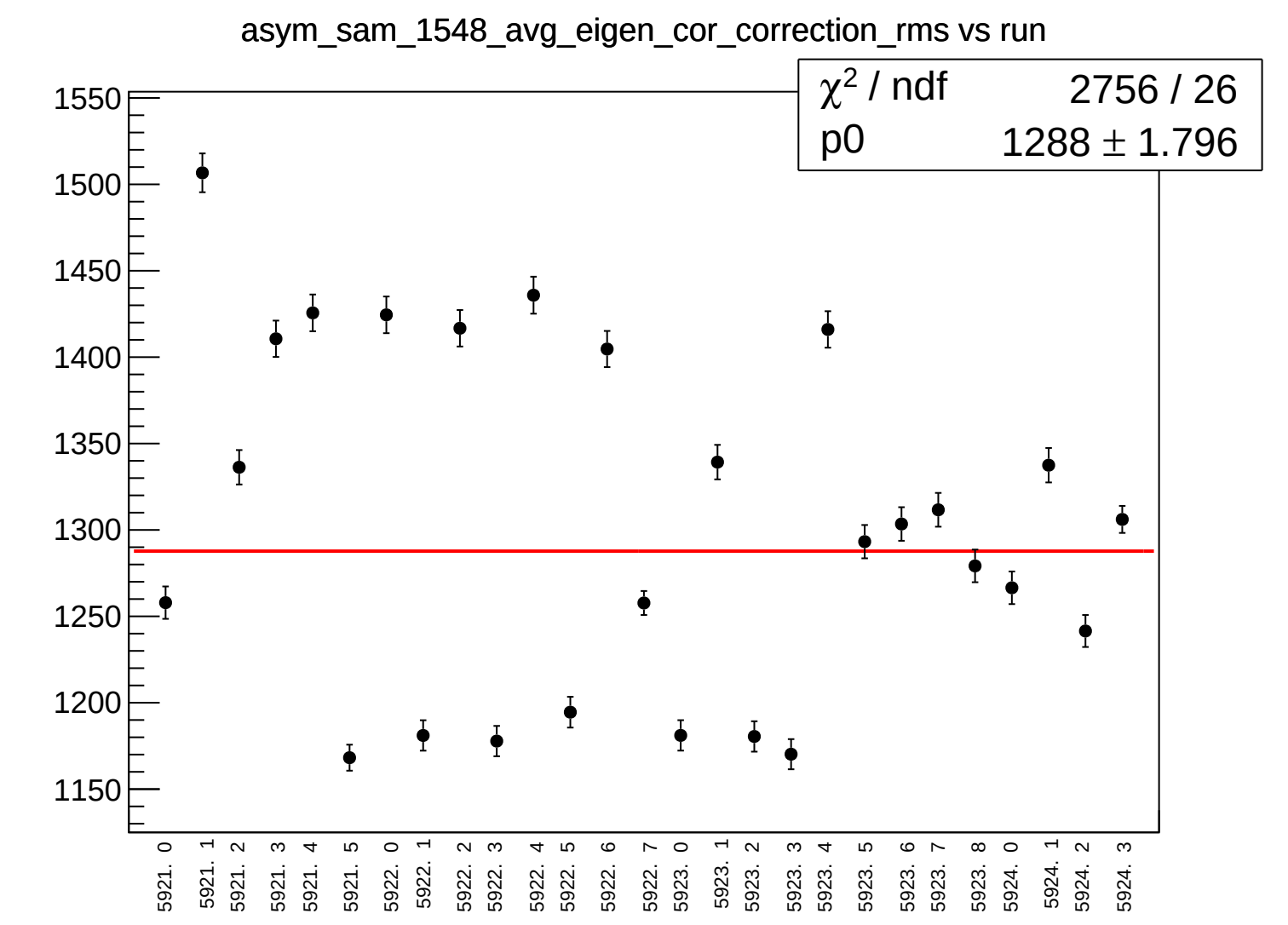

eigen_cor_asym_sam_1548_avg_mean vs run
χ² / ndf 29.3 / 26
p0 −209.8 ± 237.5
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 91.59
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

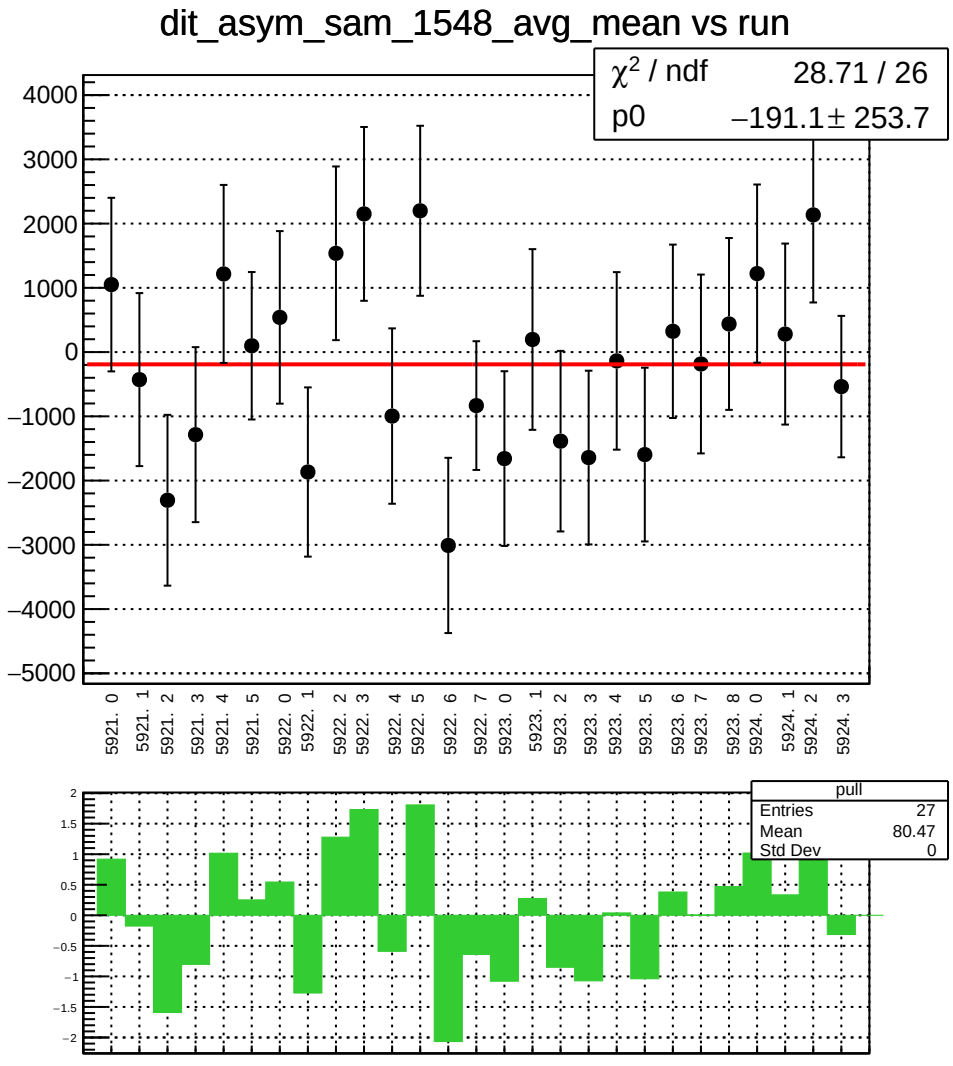

pull1D
Entries 27
Mean 0.0159
Std Dev 1.042
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

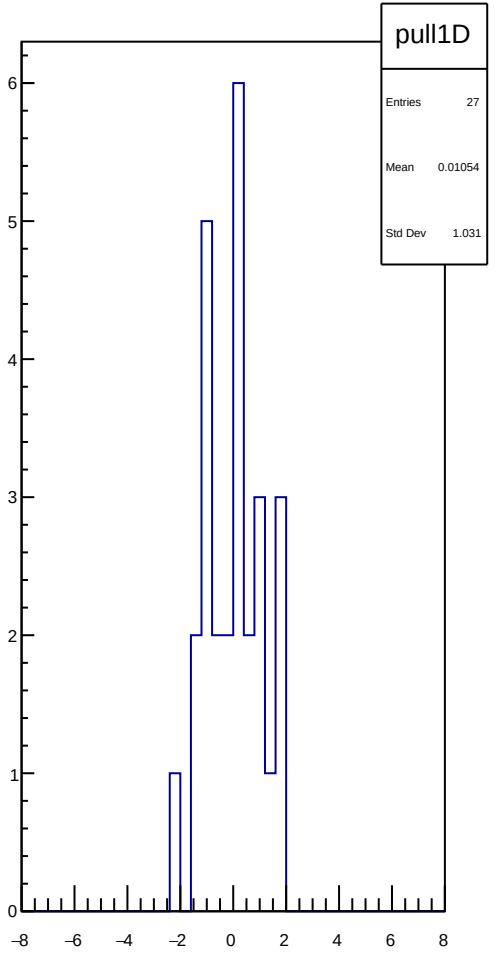

eigen_cor_asym_sam_1548_avg_rms vs run
χ² / ndf 168.3 / 26
p0 120.7 ± 0.1679
128
126
124
122
120
118
116
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

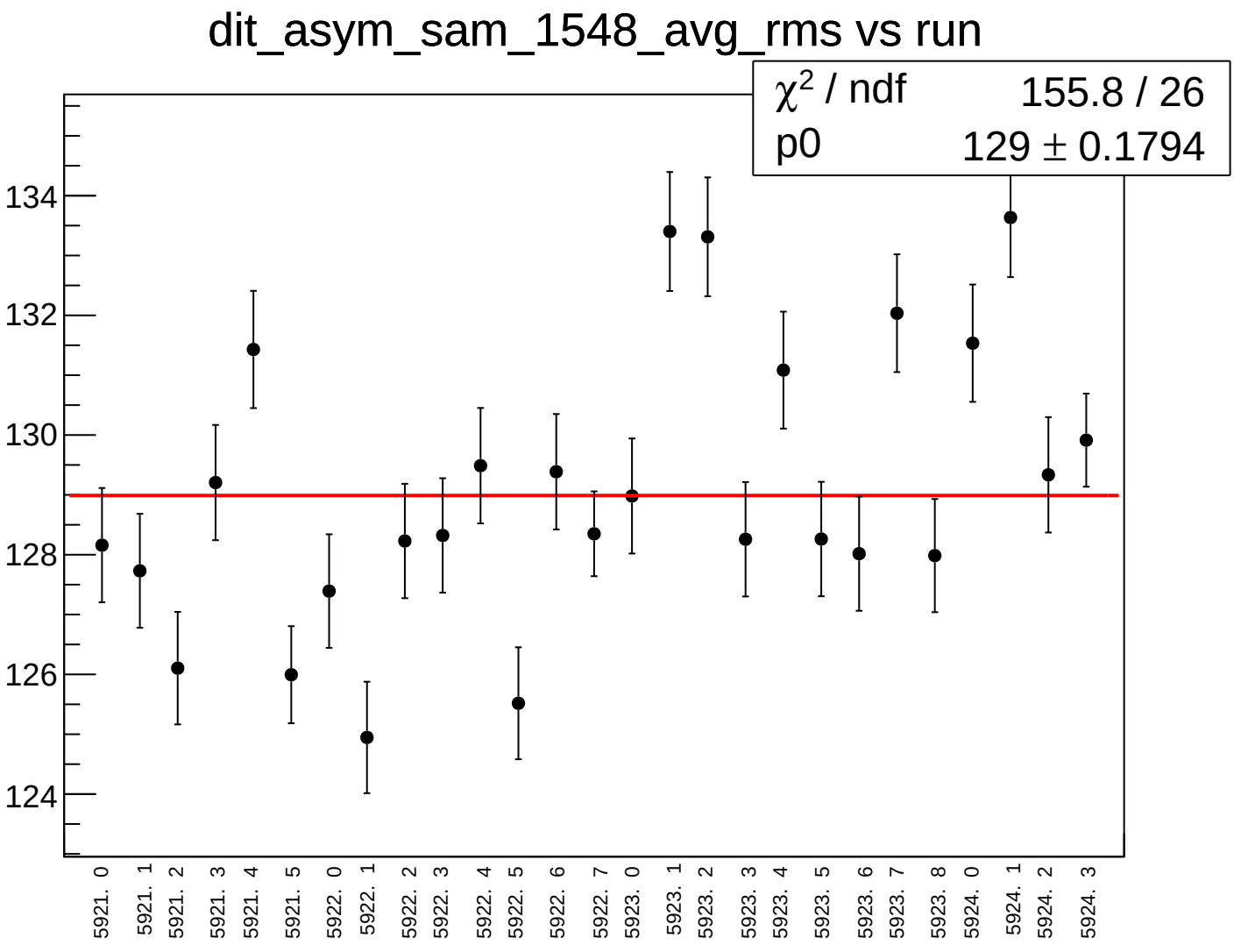

asym_sam_1548_avg_eigen_cor_correction_mean vs run
χ² / ndf 22.57 / 26
p0 2283 ± 2539
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 24.01
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

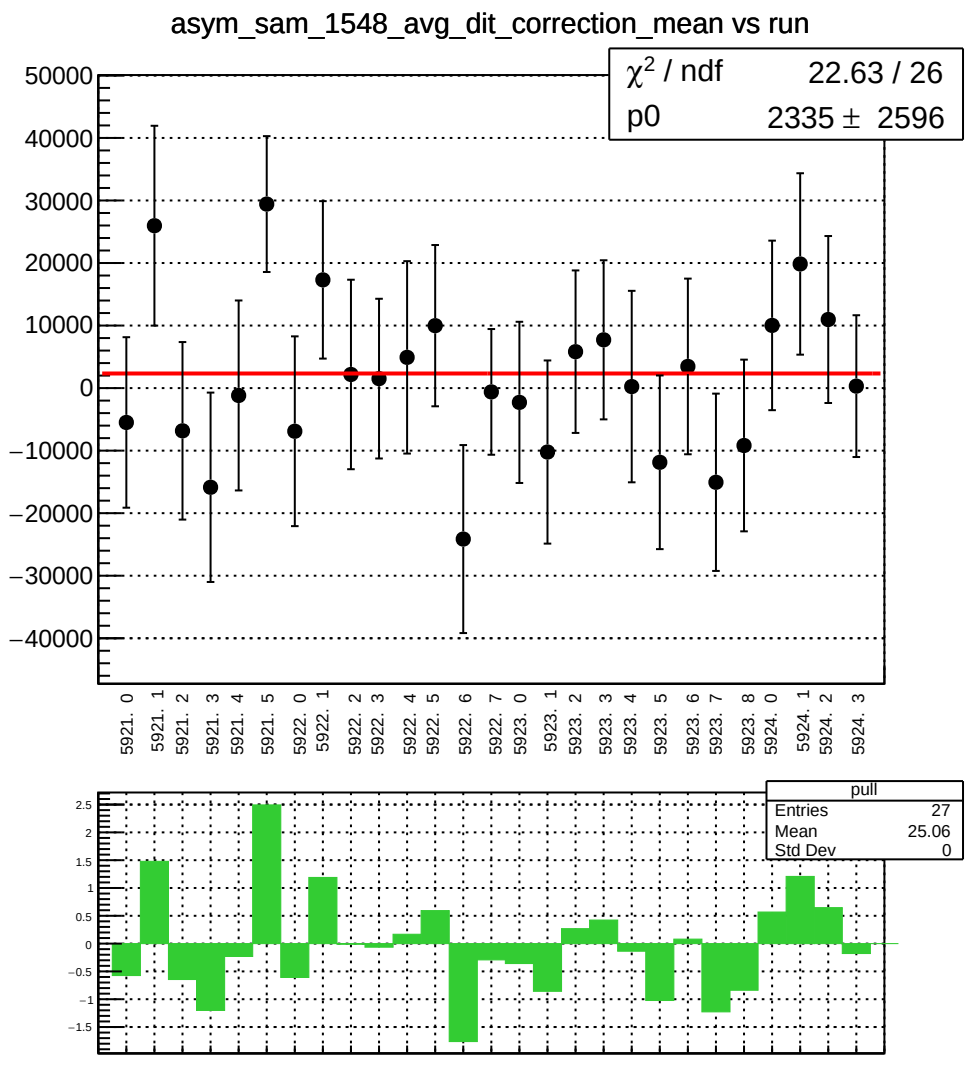

pull1D
Entries 27
Mean −0.0321
Std Dev 0.9138
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

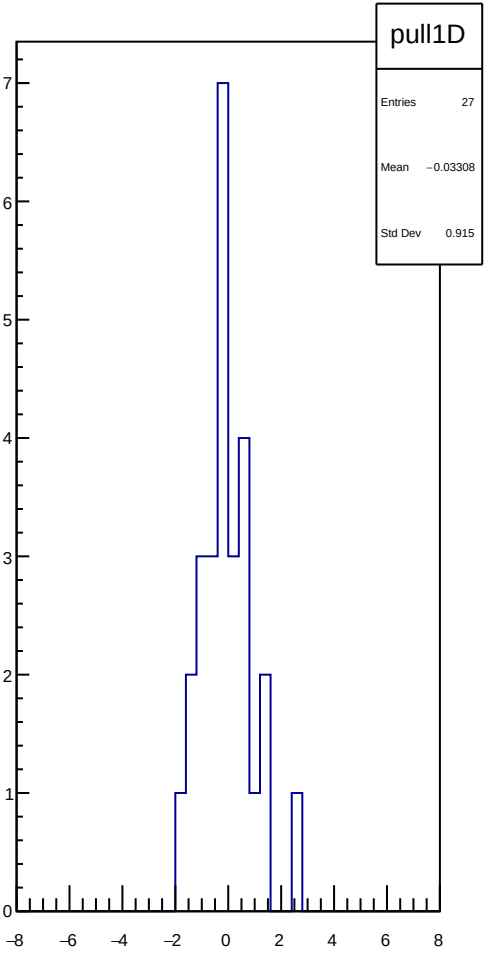

asym_sam_1548_avg_eigen_cor_correction_rms vs run
χ² / ndf 2756 / 26
p0 1288 ± 1.796
1550
1500
1450
1400
1350
1300
1250
1200
1150
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

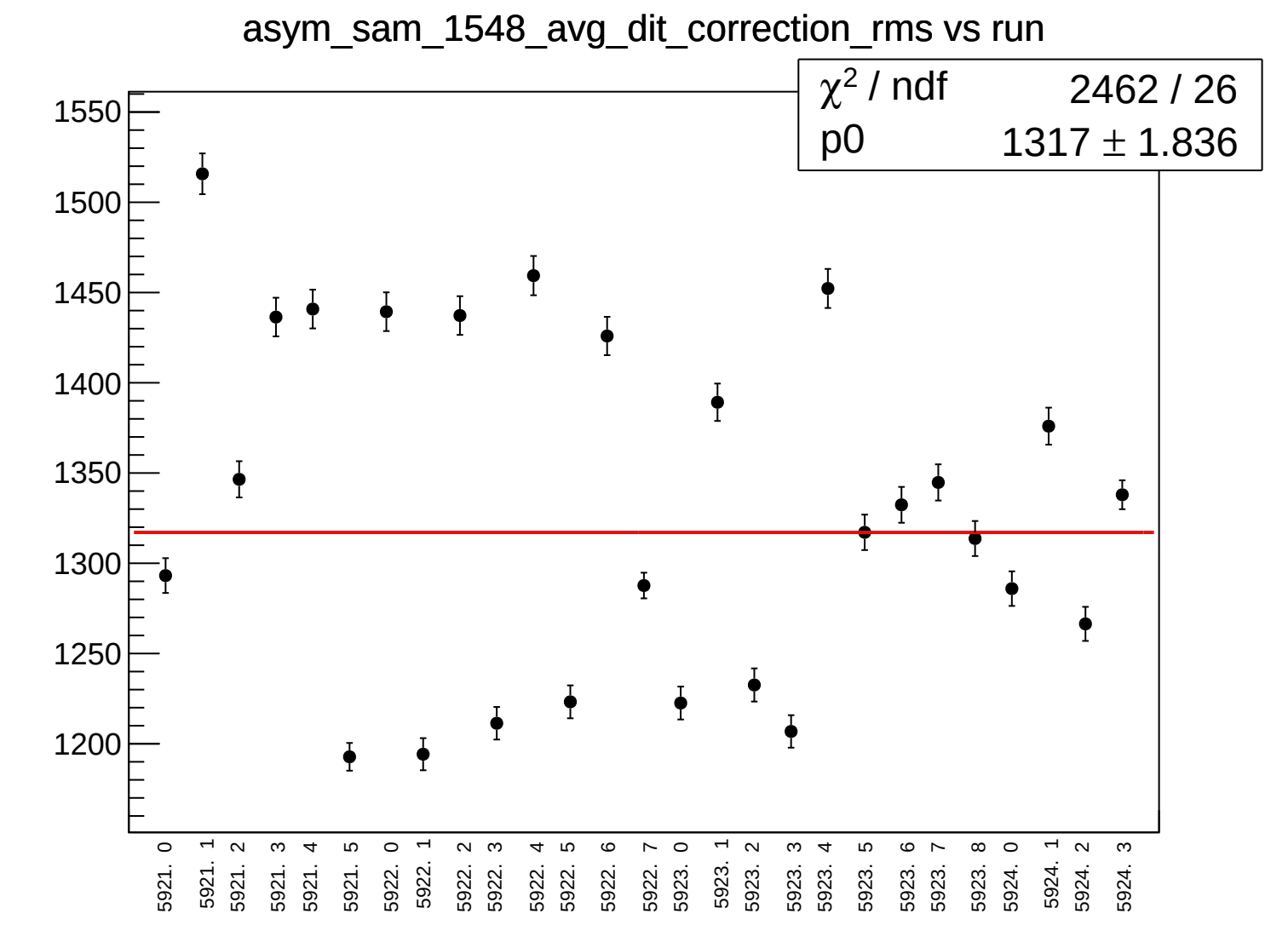

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 28.71 / 26
p0 −191.1± 253.7
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
−5000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 80.47
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

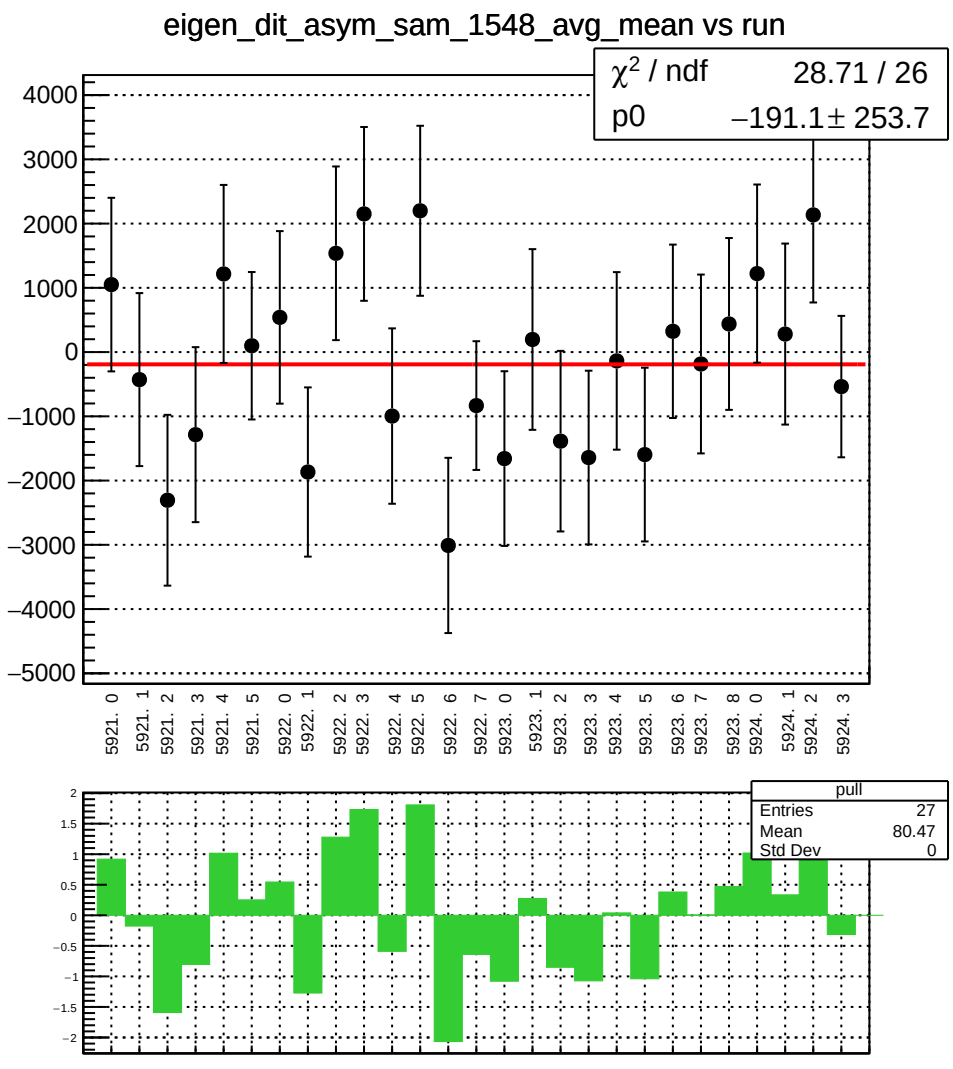

pull1D
Entries 27
Mean 0.01054
Std Dev 1.031
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

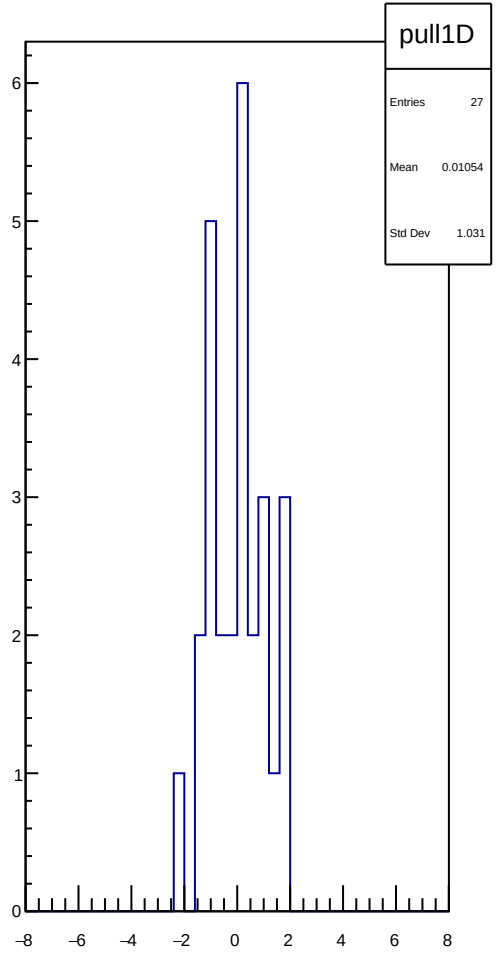

dit_asym_sam_1548_avg_rms vs run
χ^2 / ndf 155.8 / 26
p0 129 ± 0.1794
134
132
130
128
126
124
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

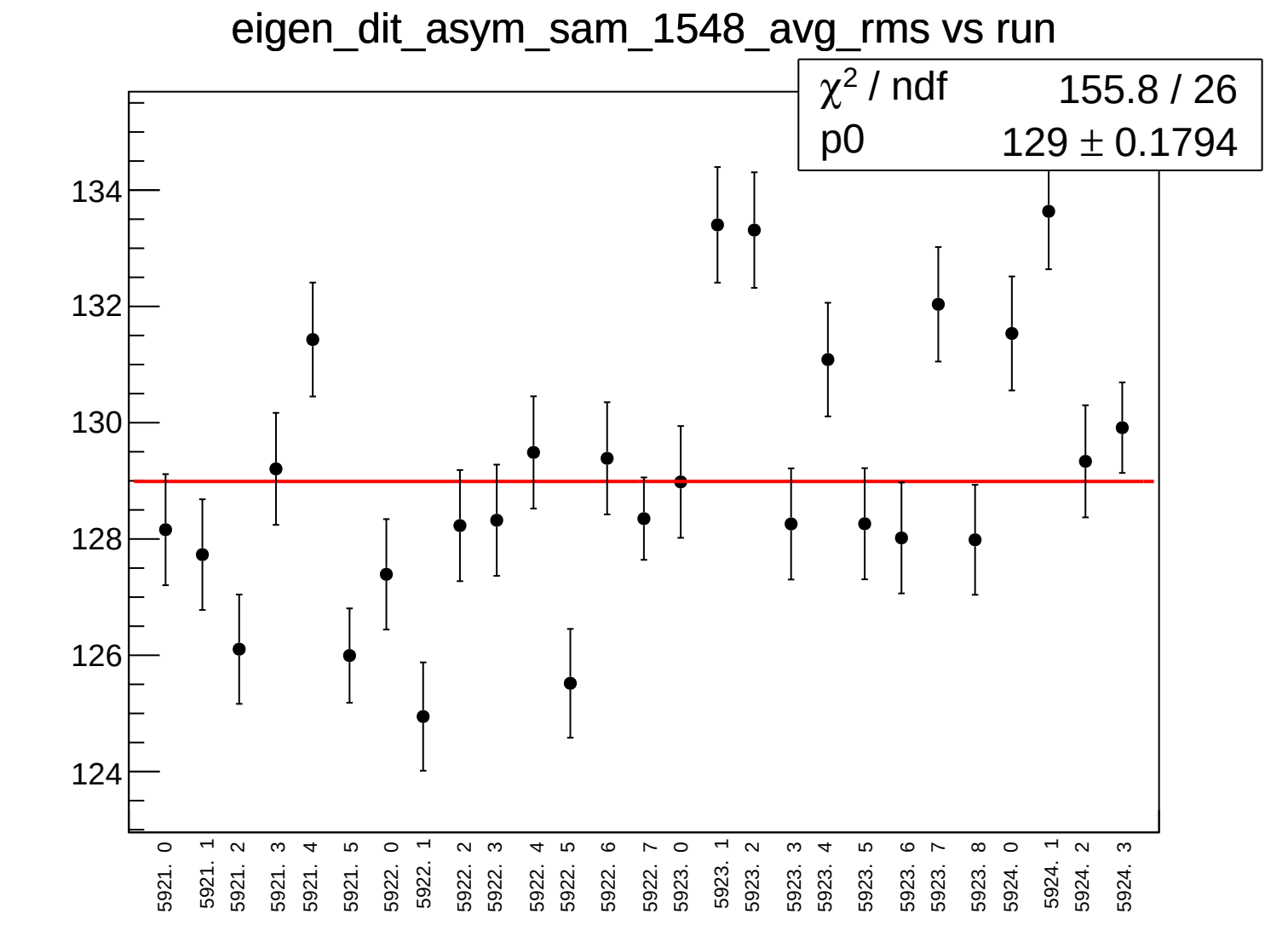

asym_sam_1548_avg_dit_correction_mean vs run
χ² / ndf 22.63 / 26
p0 2335 ± 2596
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 25.06
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

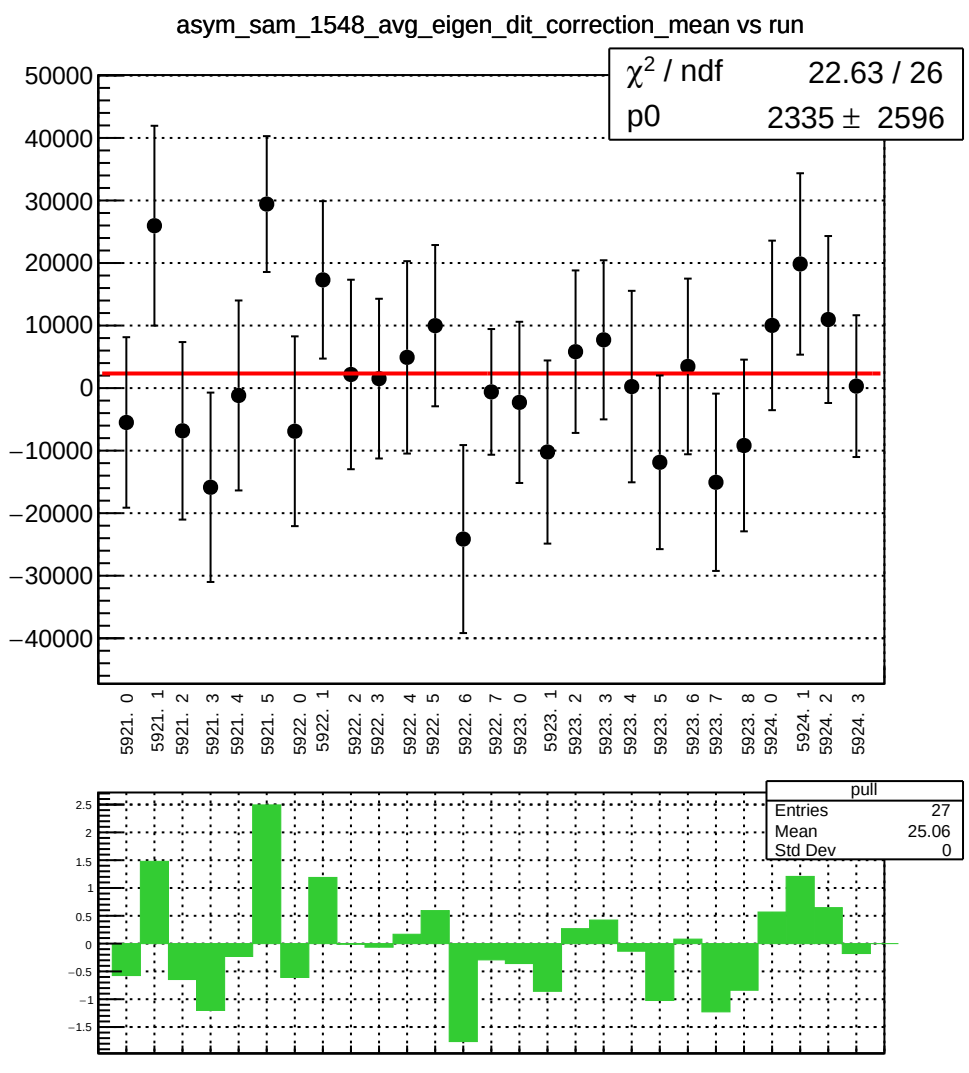

pull1D
Entries 27
Mean −0.03308
Std Dev 0.915
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

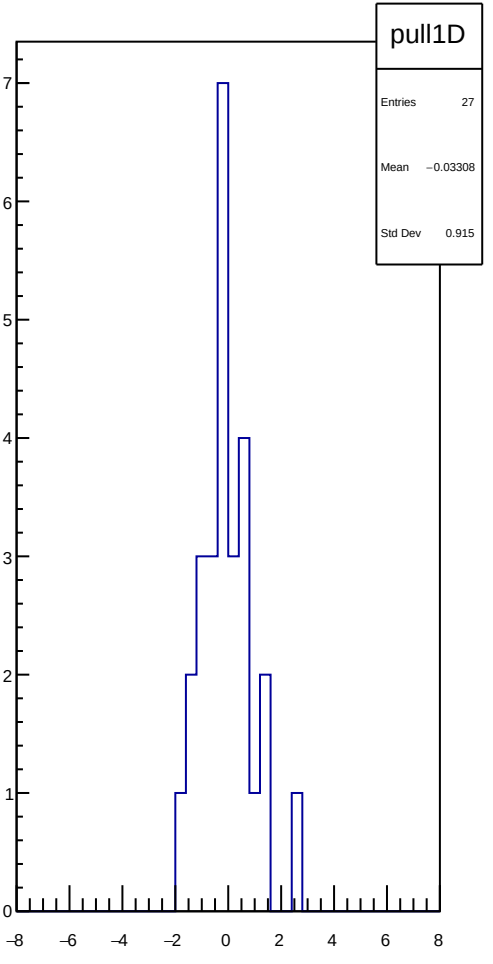

asym_sam_1548_avg_dit_correction_rms vs run
χ² / ndf 2462 / 26
p0 1317 ± 1.836
1550
1500
1450
1400
1350
1300
1250
1200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

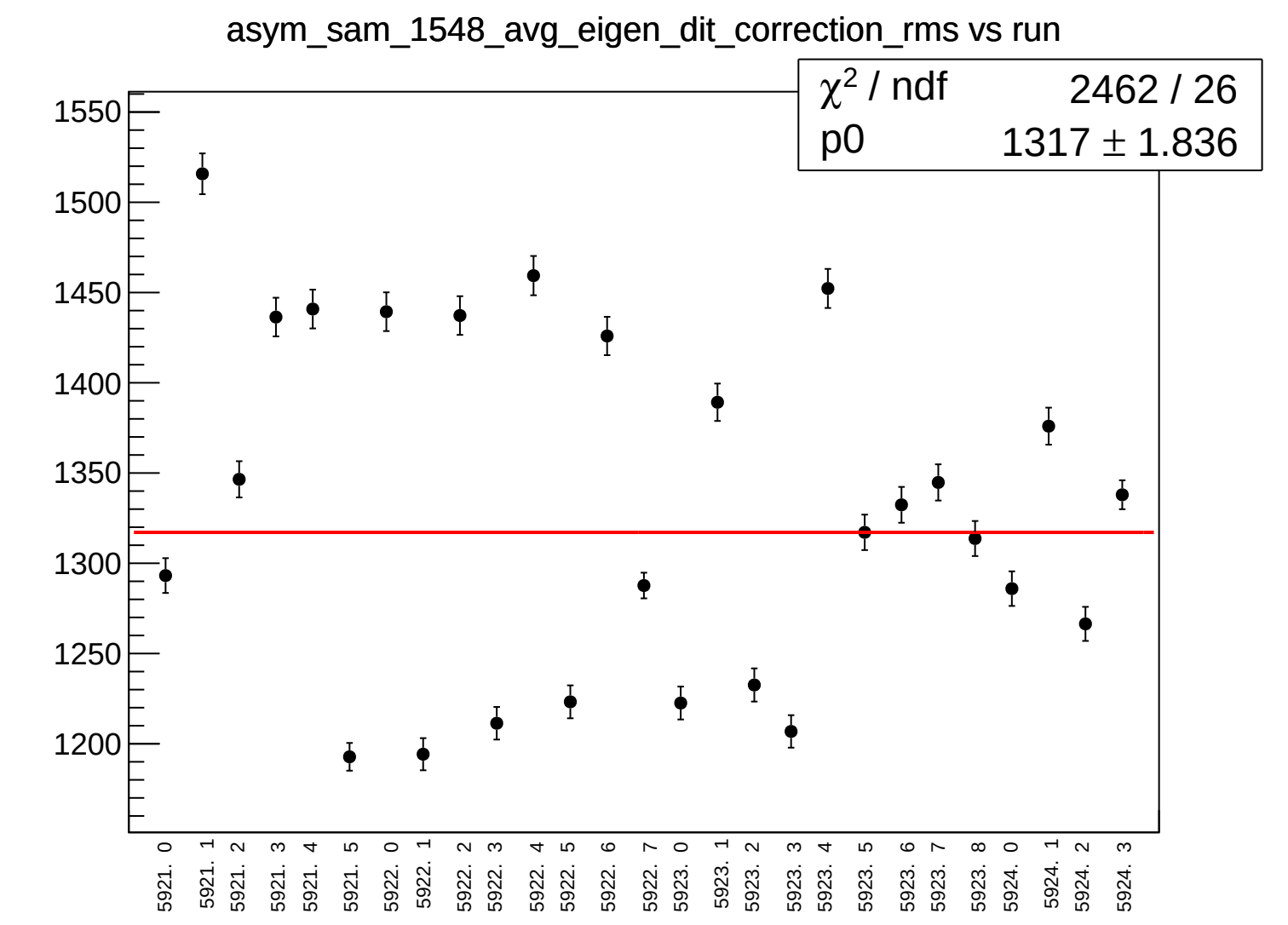

eigen_dit_asym_sam_1548_avg_mean vs run
χ² / ndf 28.71 / 26
p0 −191.1± 253.7
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
−5000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 80.47
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

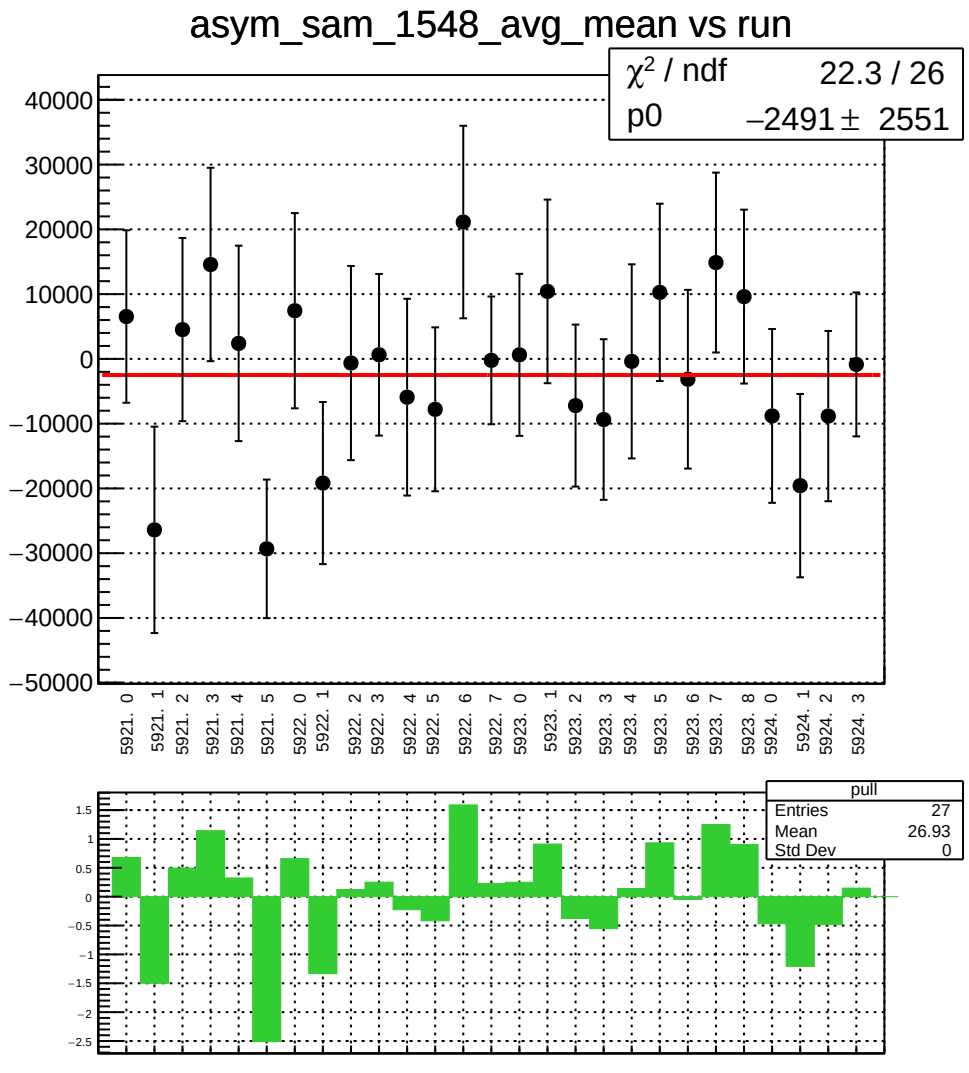

pull1D
Entries 27
Mean 0.01054
Std Dev 1.031
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

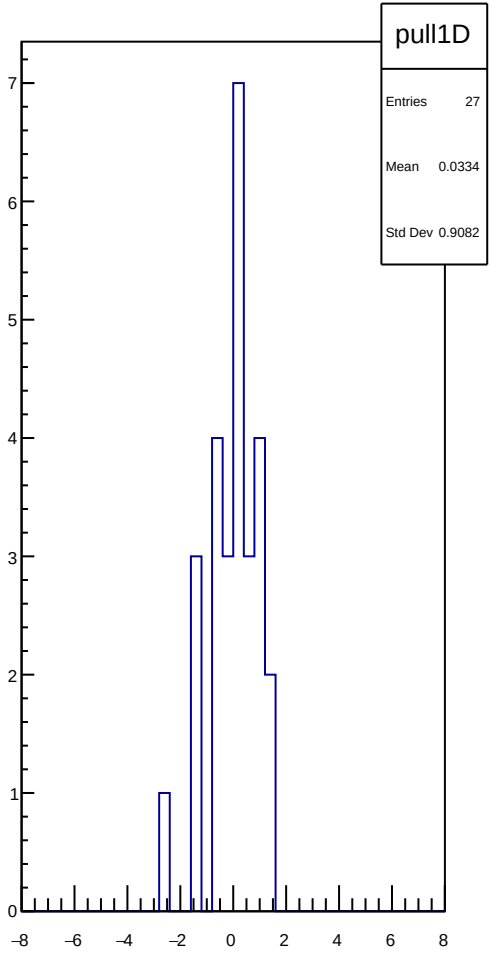

eigen_dit_asym_sam_1548_avg_rms vs run
χ² / ndf 155.8 / 26
p0 129 ± 0.1794
134
132
130
128
126
124
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

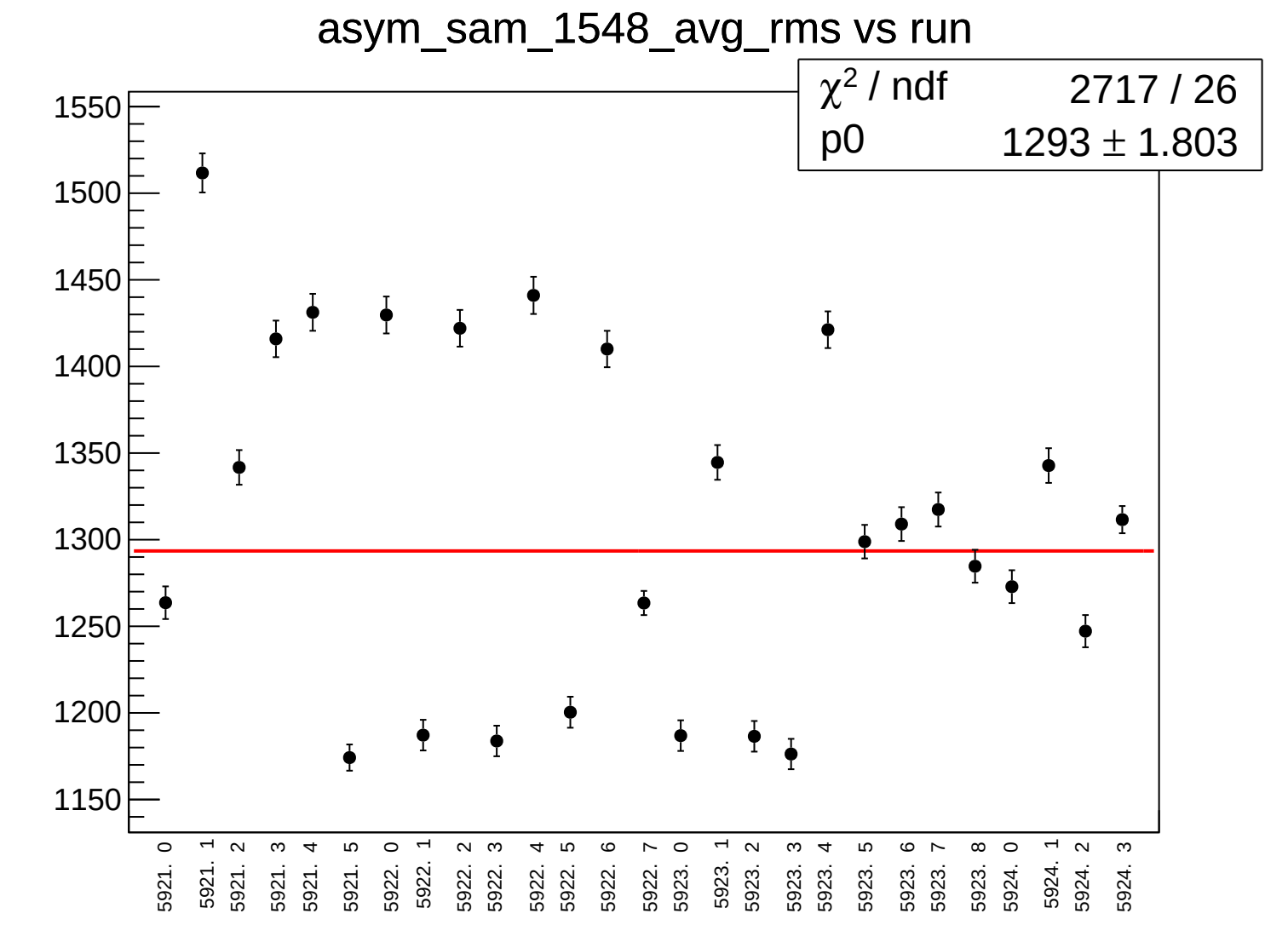

asym_sam_1548_avg_eigen_dit_correction_mean vs run
χ² / ndf 22.63 / 26
p0 2335 ± 2596
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 25.06
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

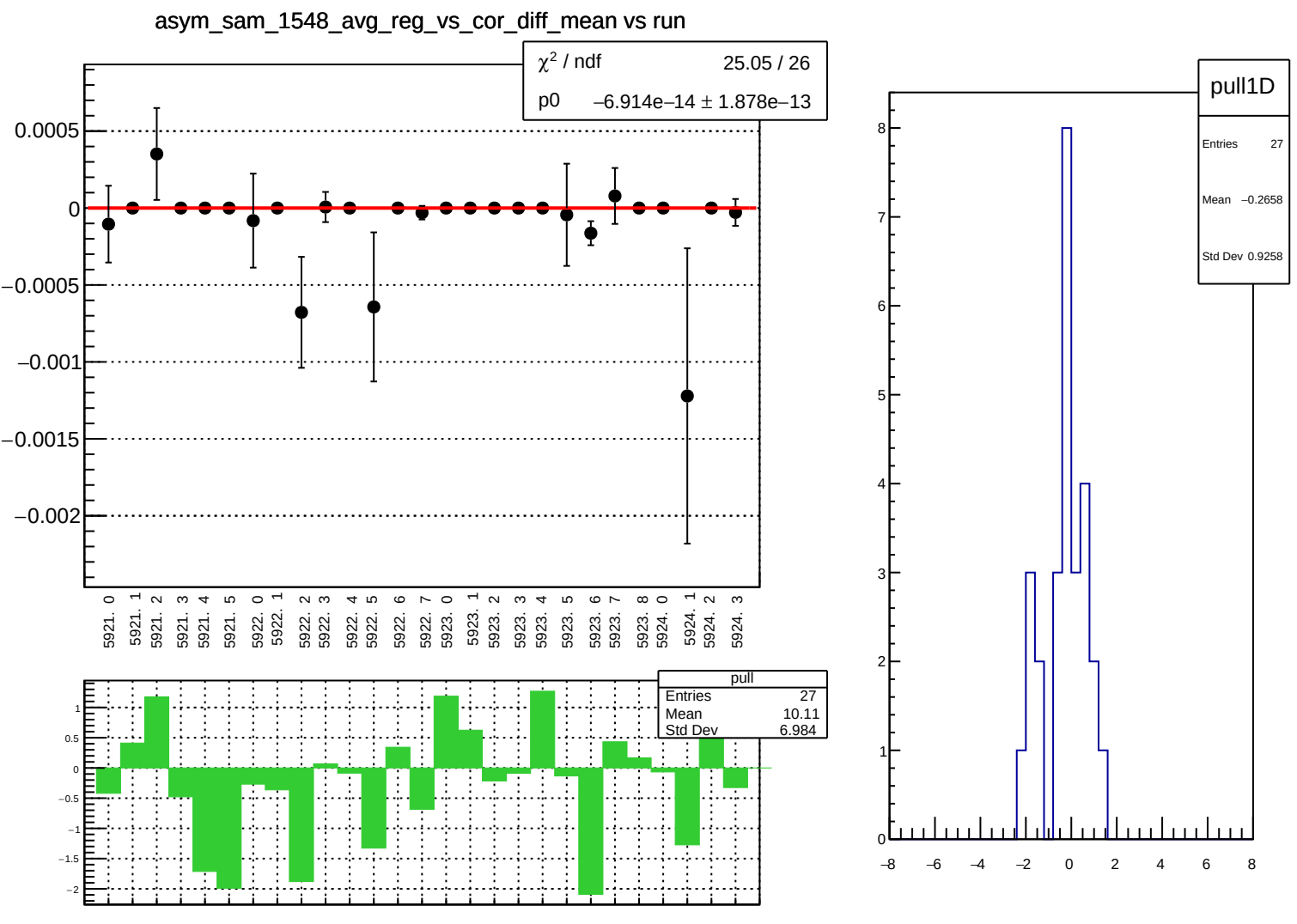

pull1D
Entries 27
Mean −0.03308
Std Dev 0.915
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

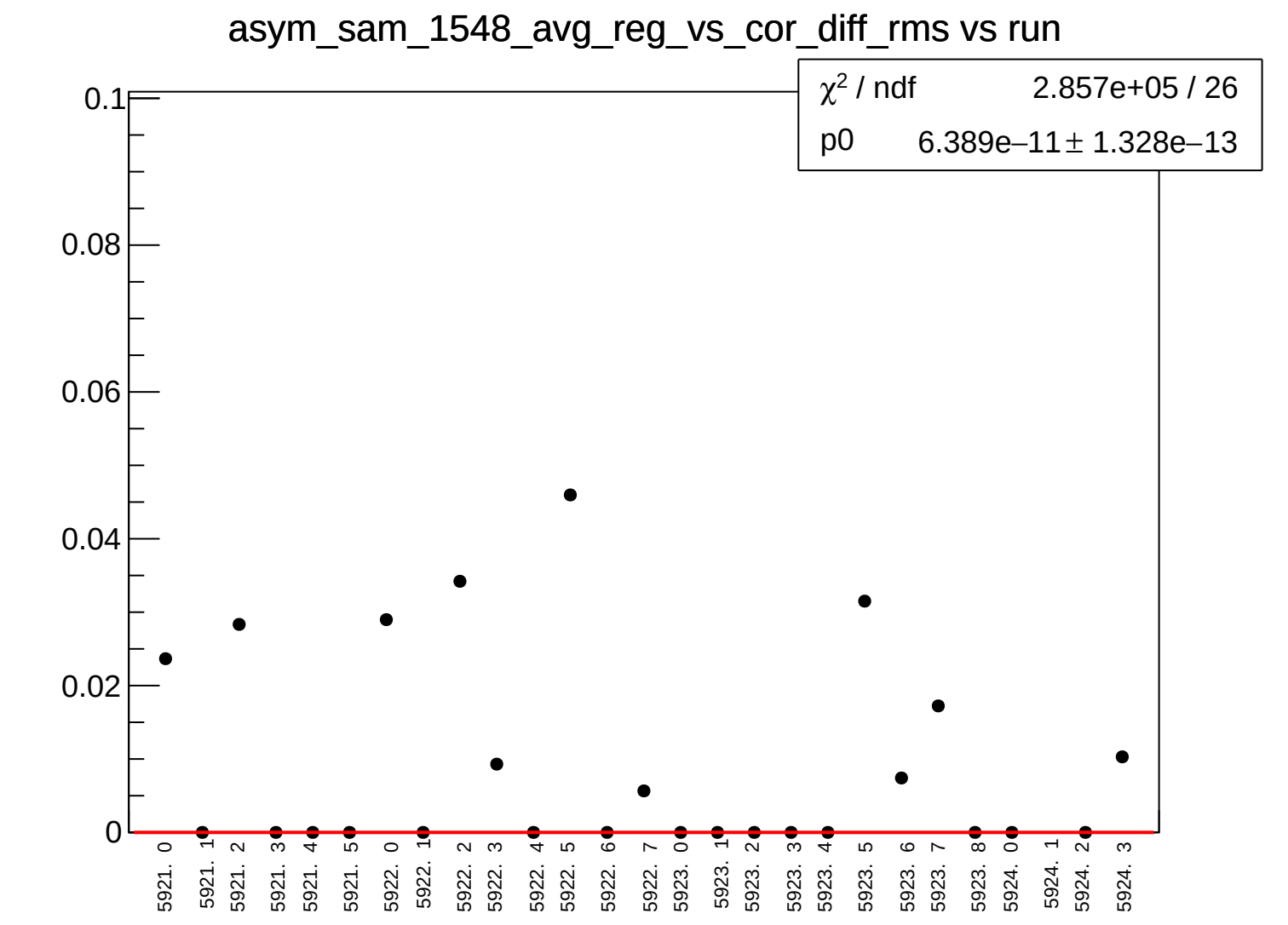

asym_sam_1548_avg_eigen_dit_correction_rms vs run
χ² / ndf 2462 / 26
p0 1317 ± 1.836
1550
1500
1450
1400
1350
1300
1250
1200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

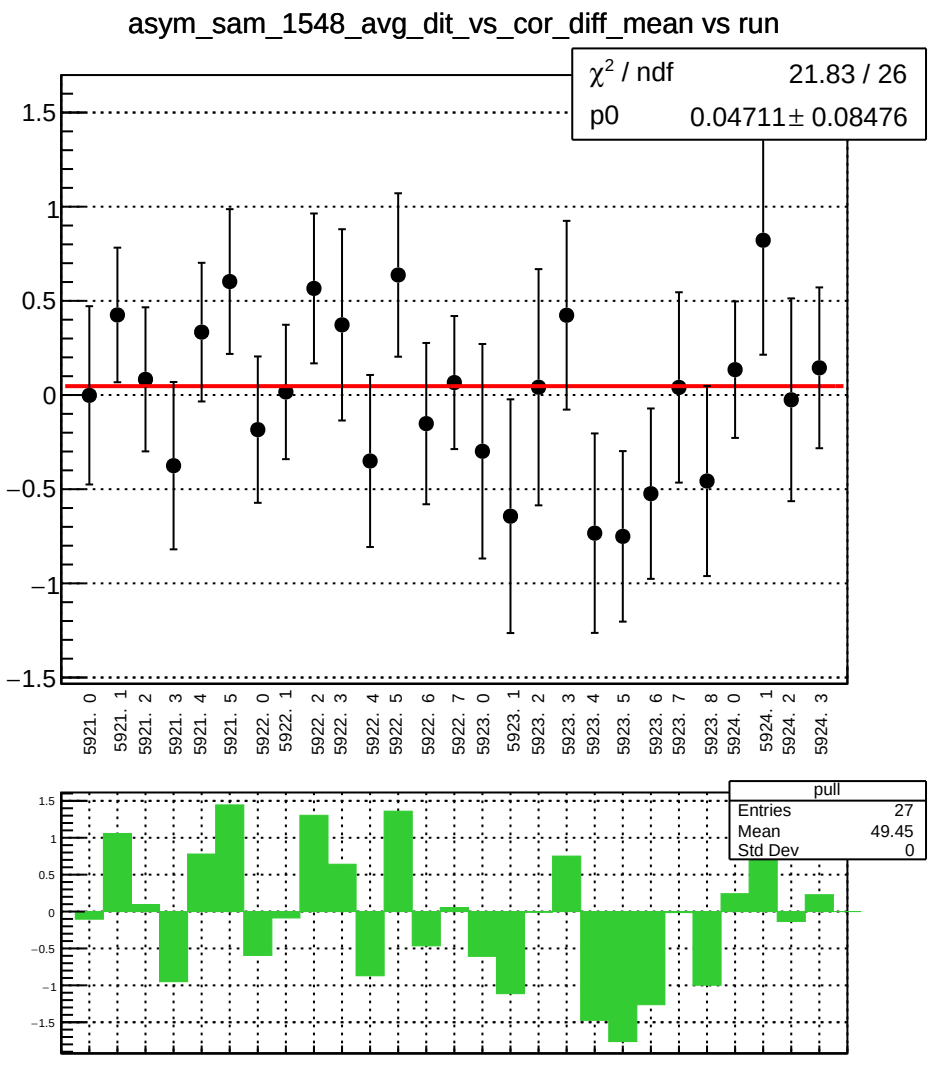

asym_sam_1548_avg_mean vs run
χ² / ndf 22.3 / 26
p0 −2491 ± 2551
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 26.93
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

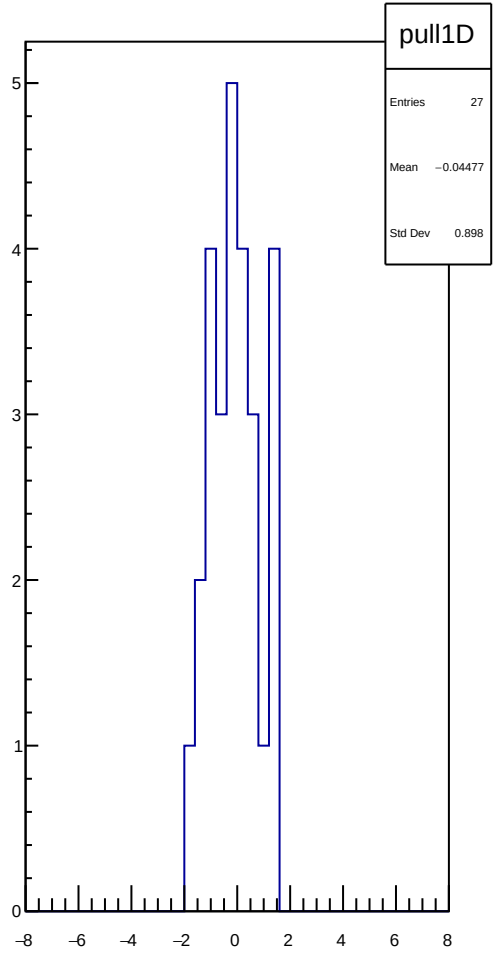

pull1D
Entries 27
Mean 0.0334
Std Dev 0.9082
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

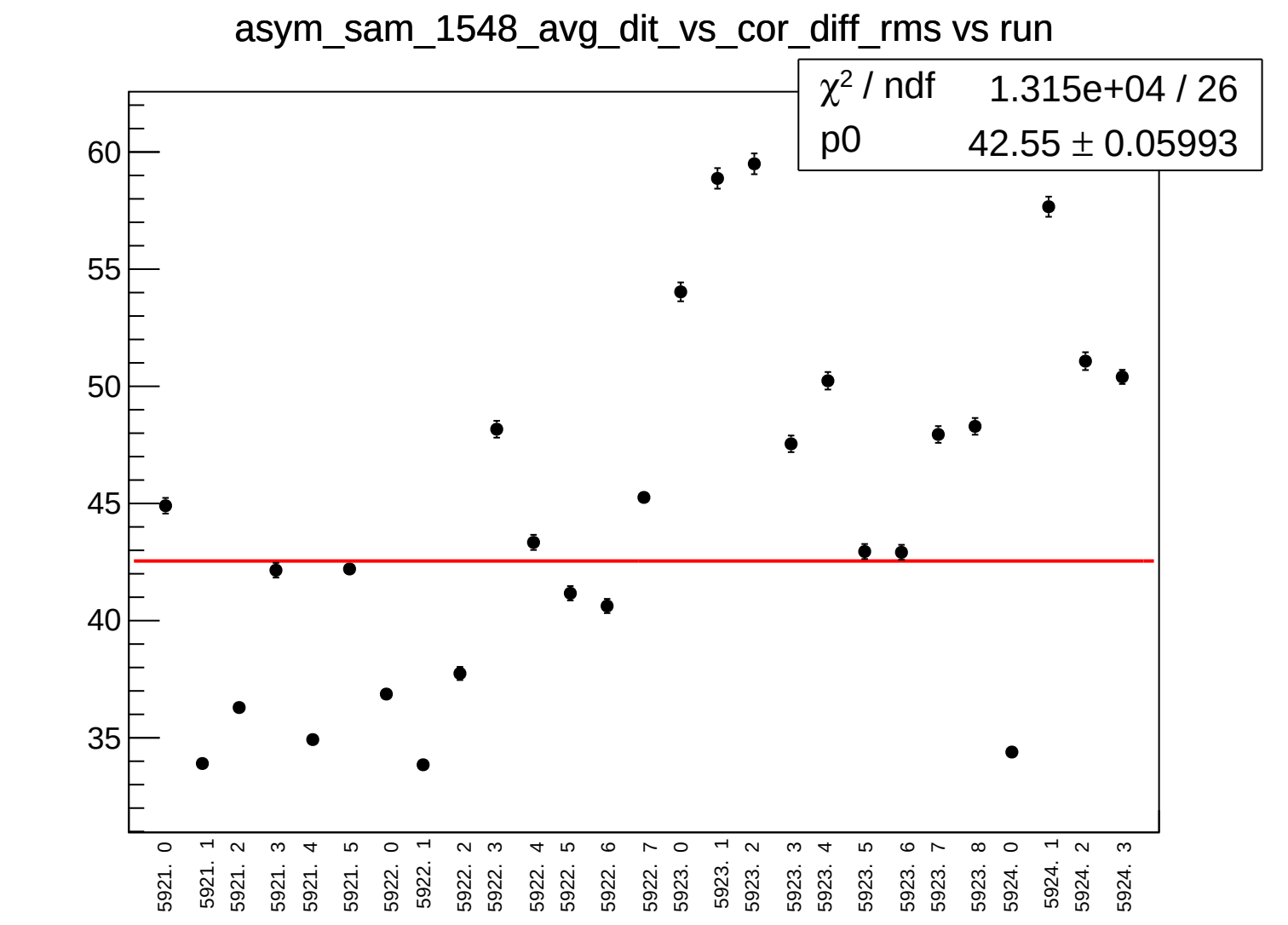

asym_sam_1548_avg_rms vs run
χ² / ndf 2717 / 26
p0 1293 ± 1.803
1550
1500
1450
1400
1350
1300
1250
1200
1150
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

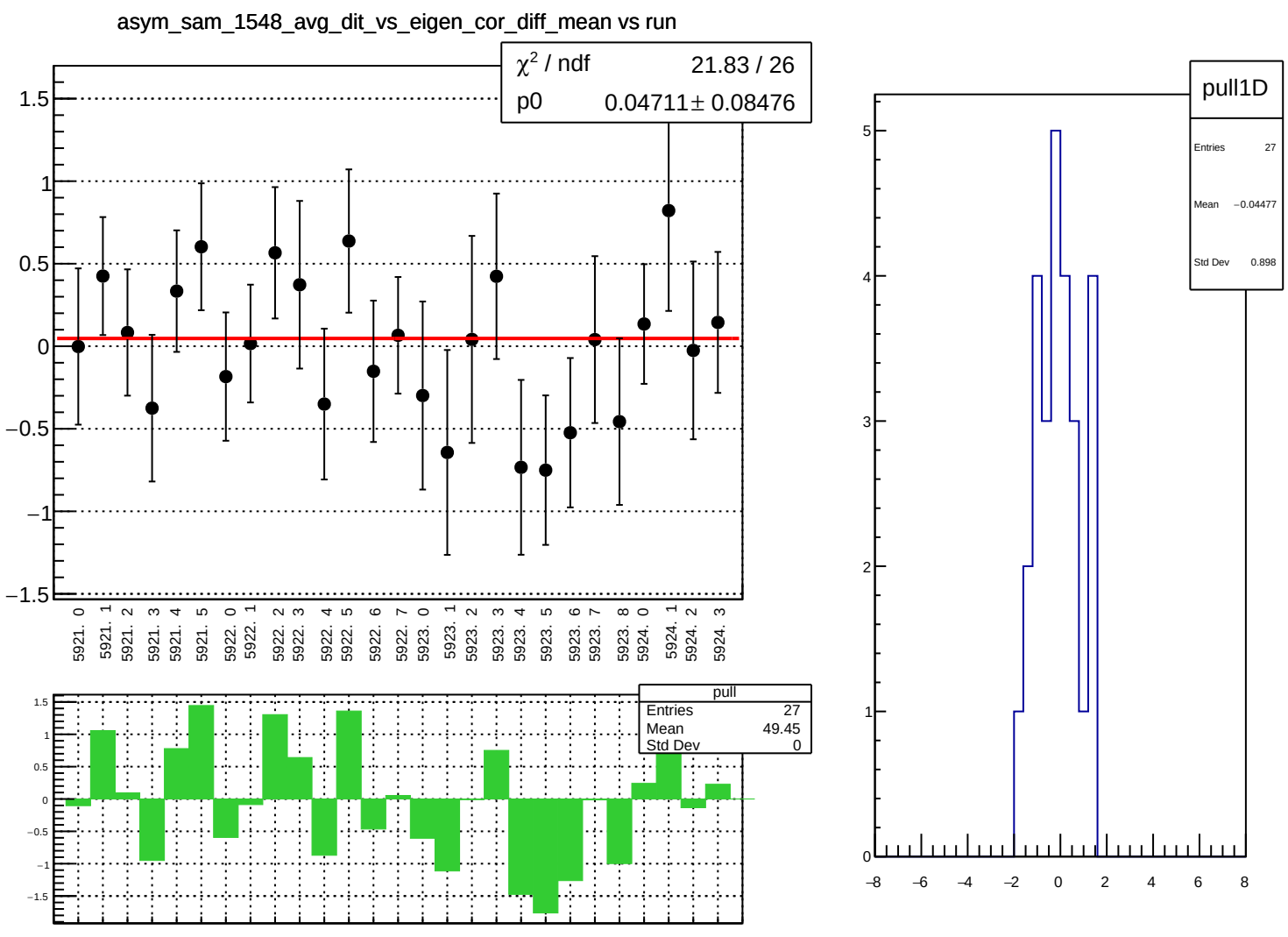

asym_sam_1548_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 25.05 / 26
p0 −6.914e−14 ± 1.878e−13
0.0005
0
−0.0005
−0.001
−0.0015
−0.002
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 10.11
Std Dev 6.984
pull1D
Entries 27
Mean −0.2658
Std Dev 0.9258

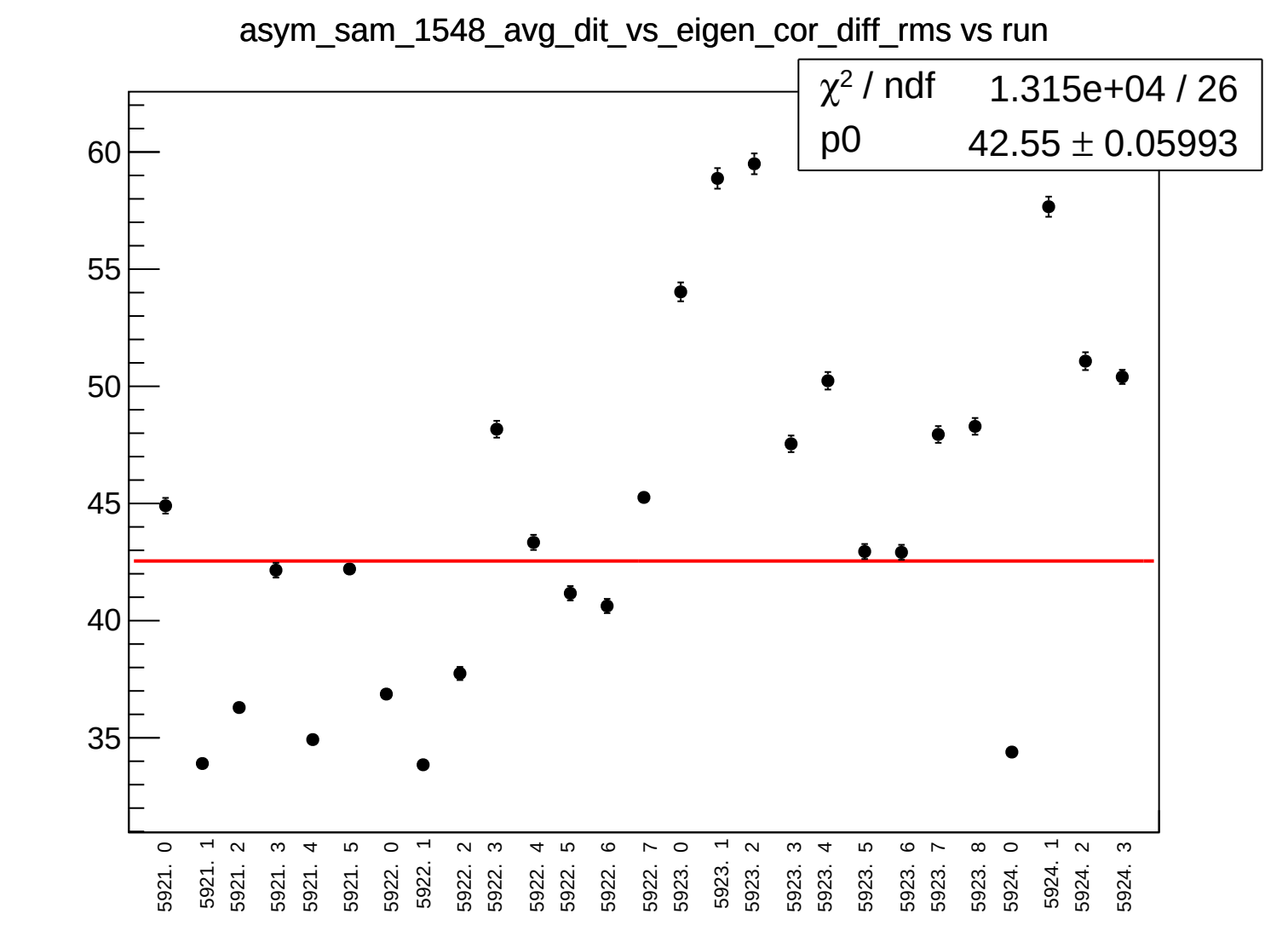

asym_sam_1548_avg_reg_vs_cor_diff_rms vs run
χ2 / ndf 2.857e+05 / 26
p0 6.389e−11 ± 1.328e−13
0.1
0.08
0.06
0.04
0.02
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

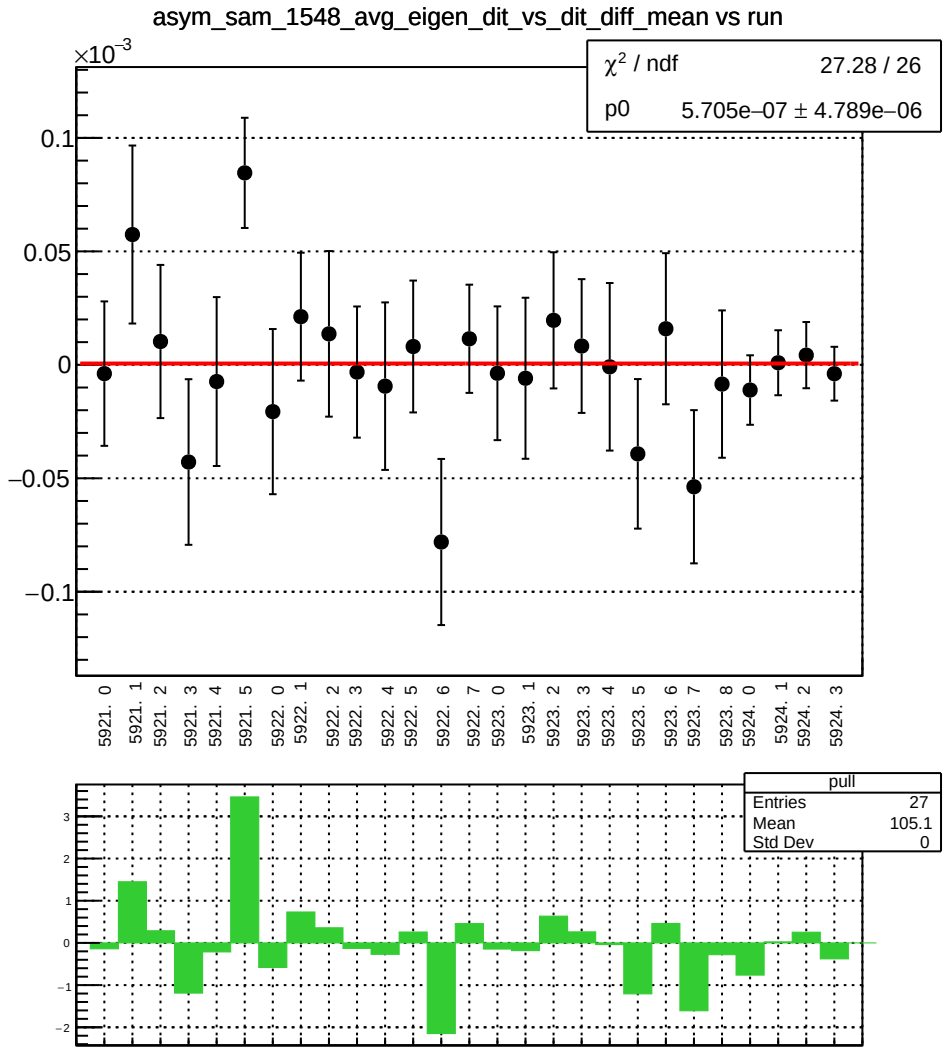

asym_sam_1548_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 21.83 / 26
p0 0.04711 ± 0.08476
1.5
1
0.5
0
−0.5
−1
−1.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 49.45
Std Dev 0

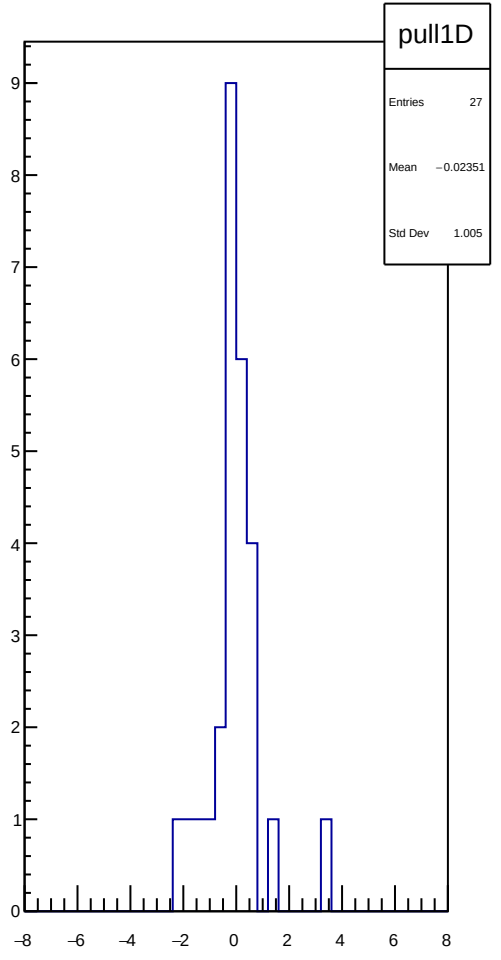

pull1D
Entries 27
Mean −0.04477
Std Dev 0.898
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

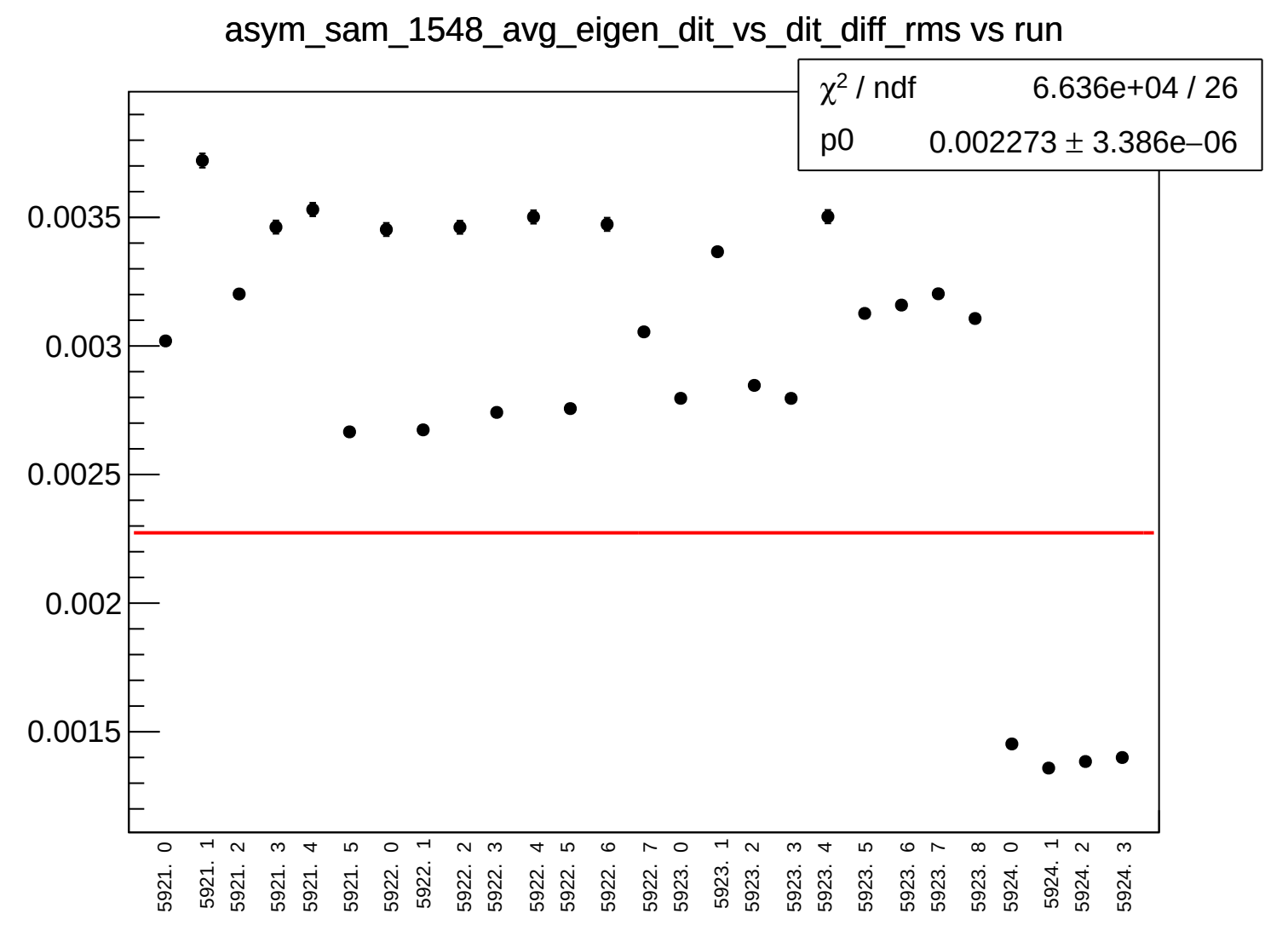

asym_sam_1548_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.315e+04 / 26
p0 42.55 ± 0.05993
60
55
50
45
40
35
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

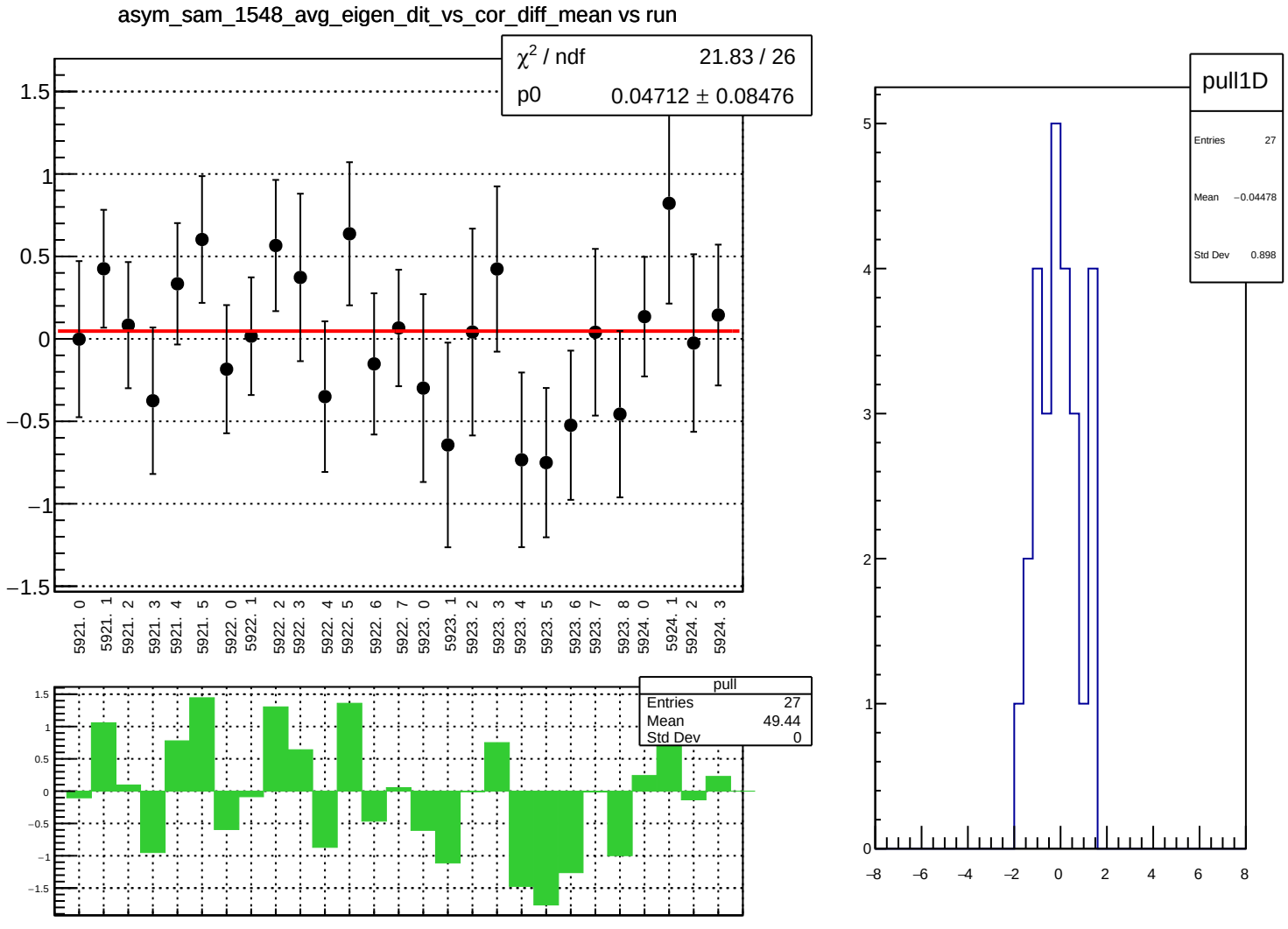

asym_sam_1548_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 21.83 / 26
p0 0.04711 ± 0.08476
1.5
1
0.5
0
−0.5
−1
−1.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 49.45
Std Dev 0
pull1D
Entries 27
Mean −0.04477
Std Dev 0.898
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

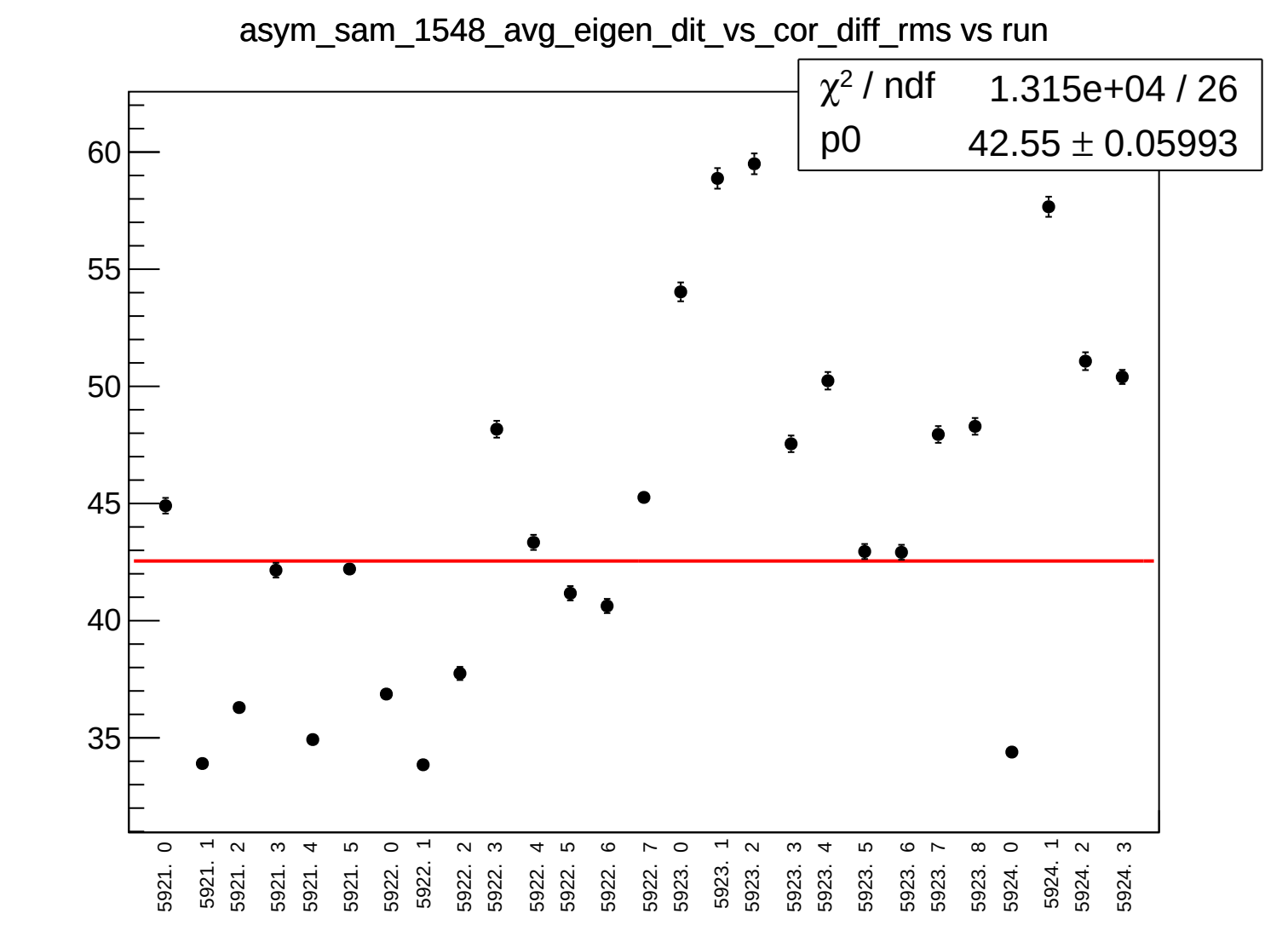

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.315e+04 / 26
p0 42.55 ± 0.05993
60
55
50
45
40
35
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

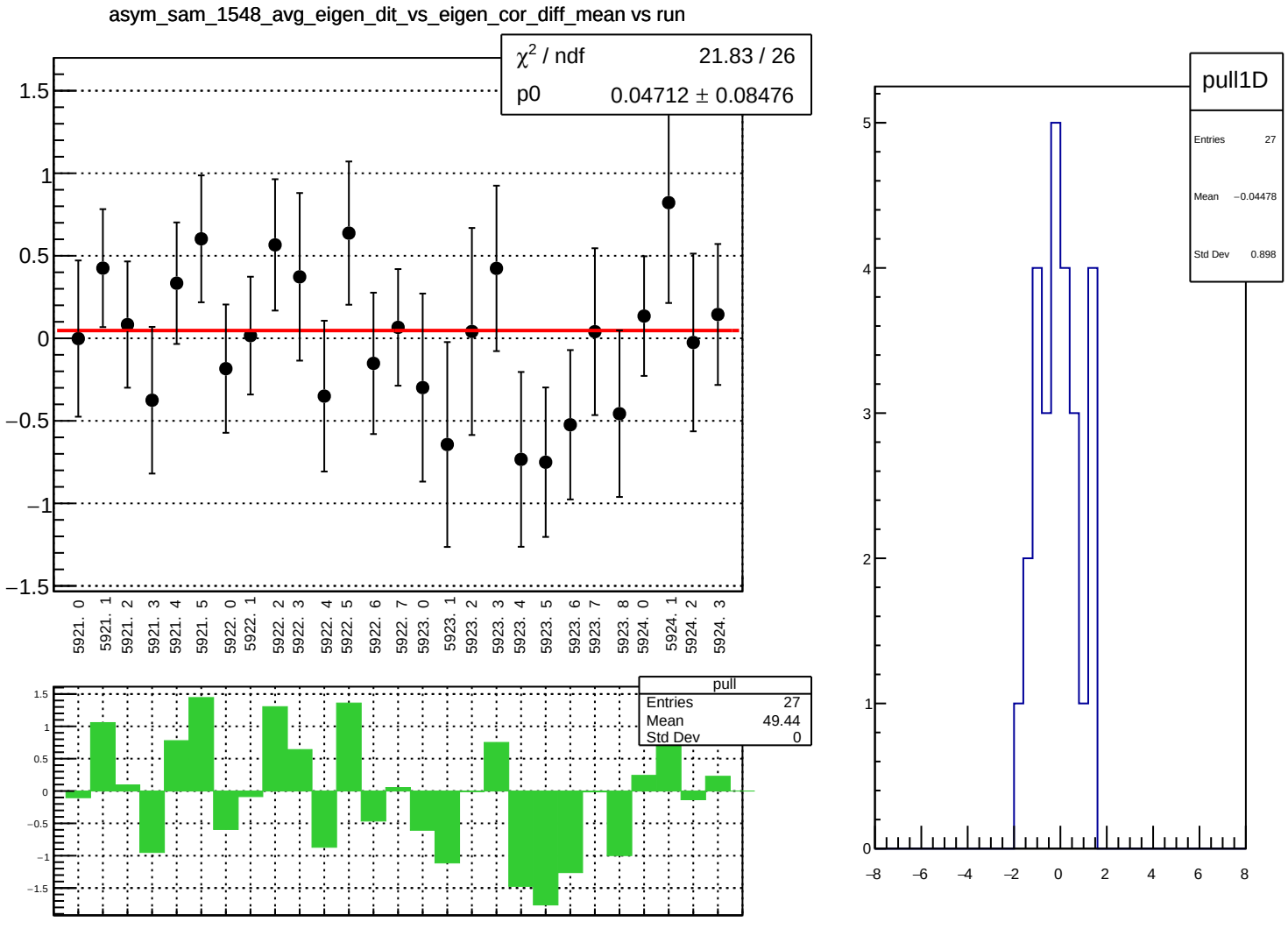

asym_sam_1548_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 27.28 / 26
p0 5.705e−07 ± 4.789e−06
0.1
0.05
0
−0.05
−0.1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 105.1
Std Dev 0
3
2
1
0
−1
−2

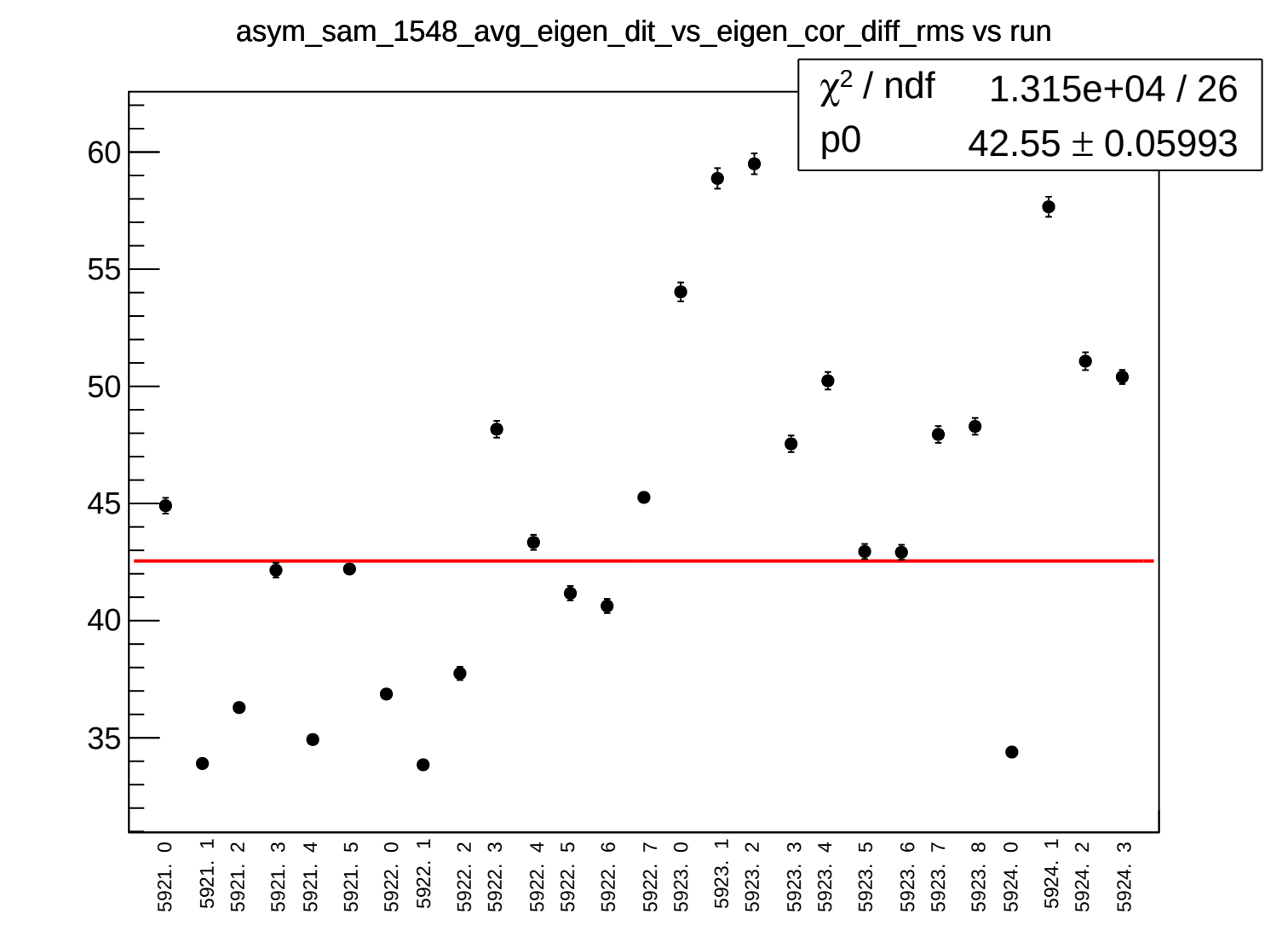

pull1D
Entries 27
Mean −0.02351
Std Dev 1.005
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

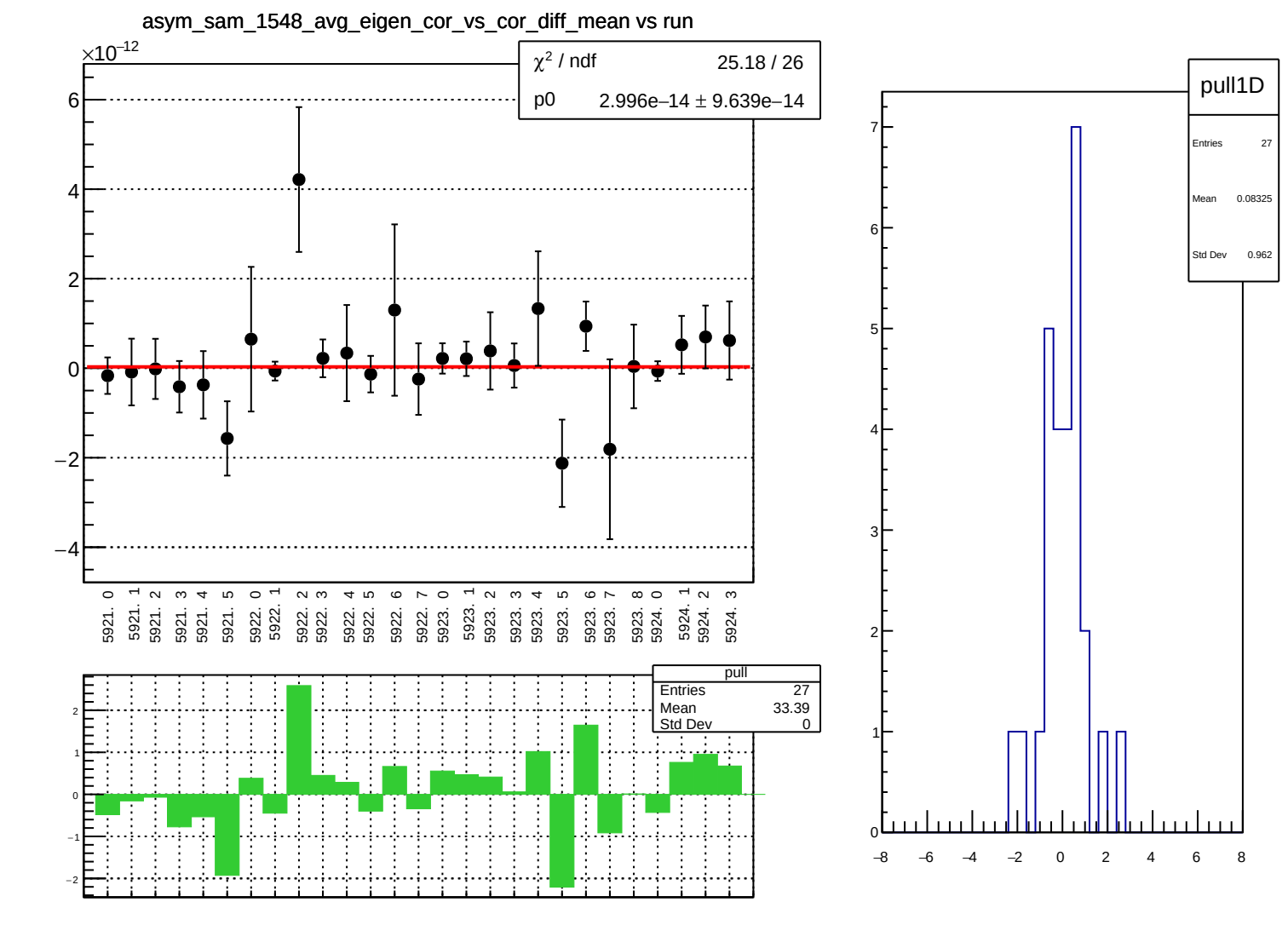

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6.636e+04 / 26
p0 0.002273 ± 3.386e−06
0.0035
0.003
0.0025
0.002
0.0015
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

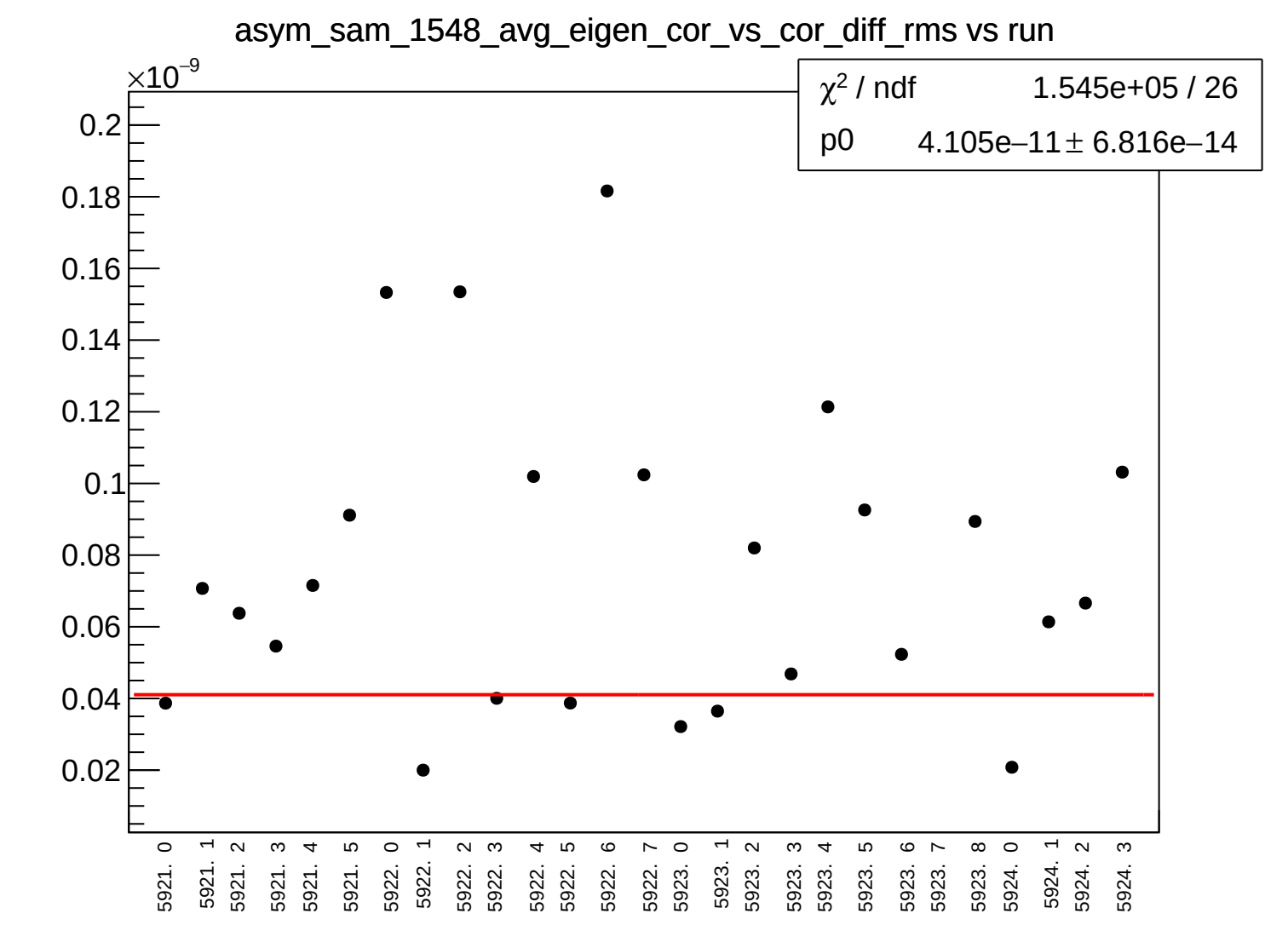

asym_sam_1548_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 21.83 / 26
p0 0.04712 ± 0.08476
1.5
1
0.5
0
−0.5
−1
−1.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 49.44
Std Dev 0
pull1D
Entries 27
Mean −0.04478
Std Dev 0.898
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

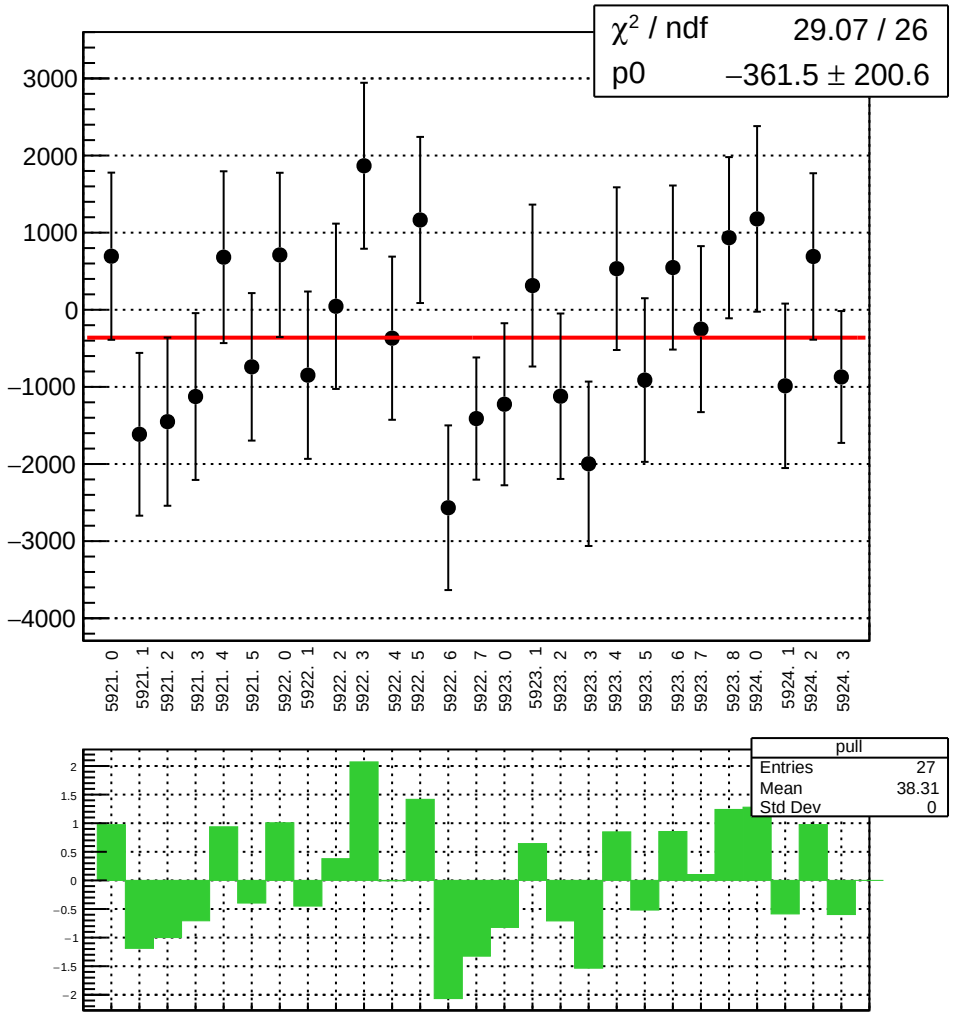

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.315e+04 / 26
p0 42.55 ± 0.05993
60
55
50
45
40
35
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

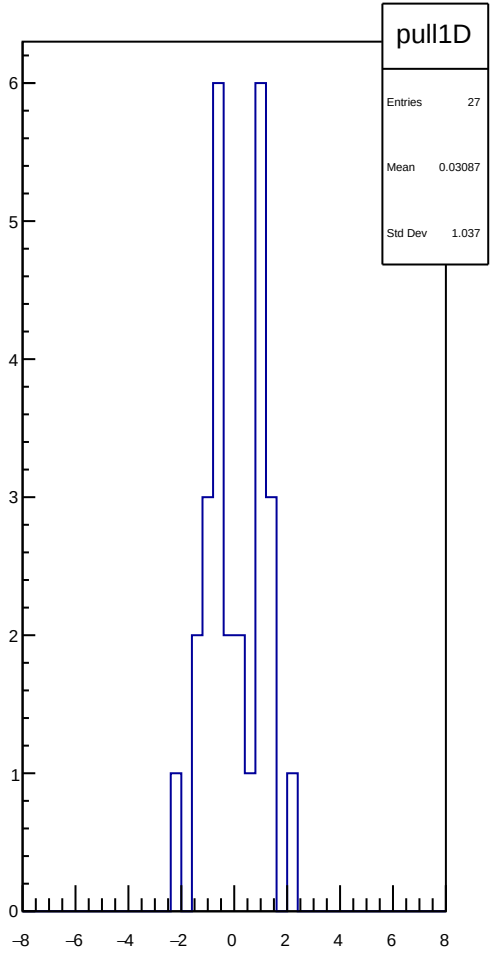

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 21.83 / 26
p0 0.04712 ± 0.08476
1.5
1
0.5
0
−0.5
−1
−1.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 49.44
Std Dev 0
pull1D
Entries 27
Mean −0.04478
Std Dev 0.898
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

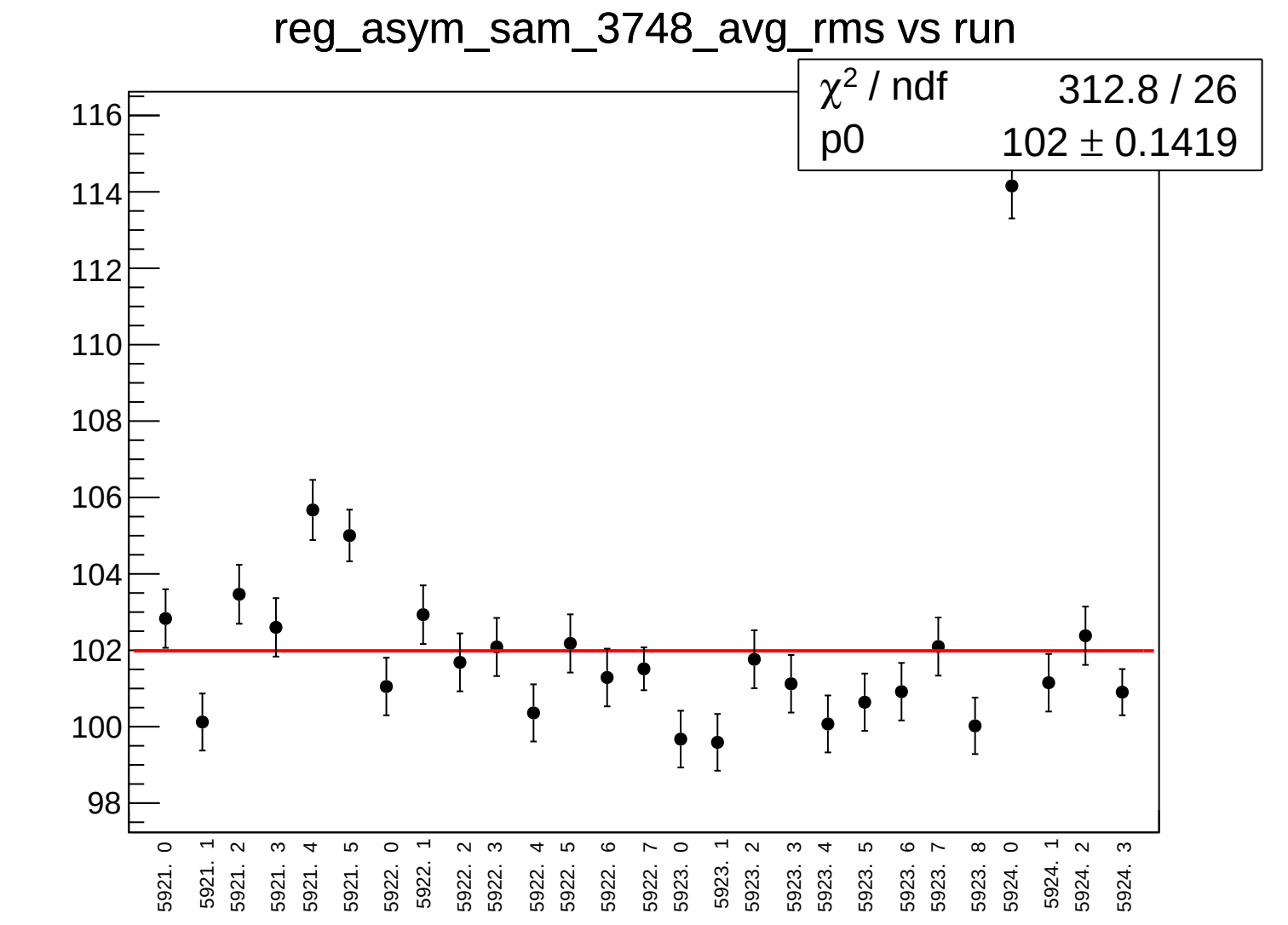

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.315e+04 / 26
p0 42.55 ± 0.05993
60
55
50
45
40
35
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

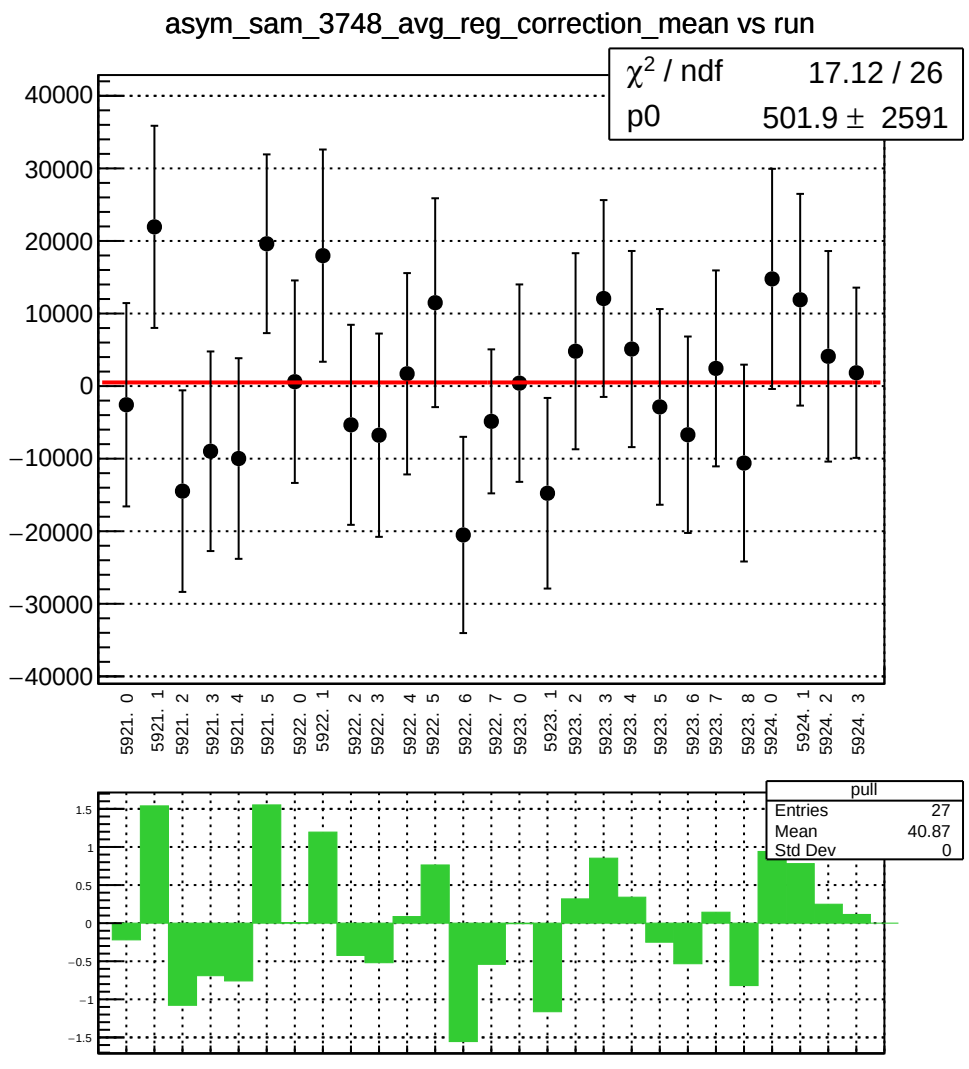

asym_sam_1548_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 25.18 / 26
p0 2.996e−14 ± 9.639e−14
6
4
2
0
−2
−4
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 33.39
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.08325
Std Dev 0.962
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

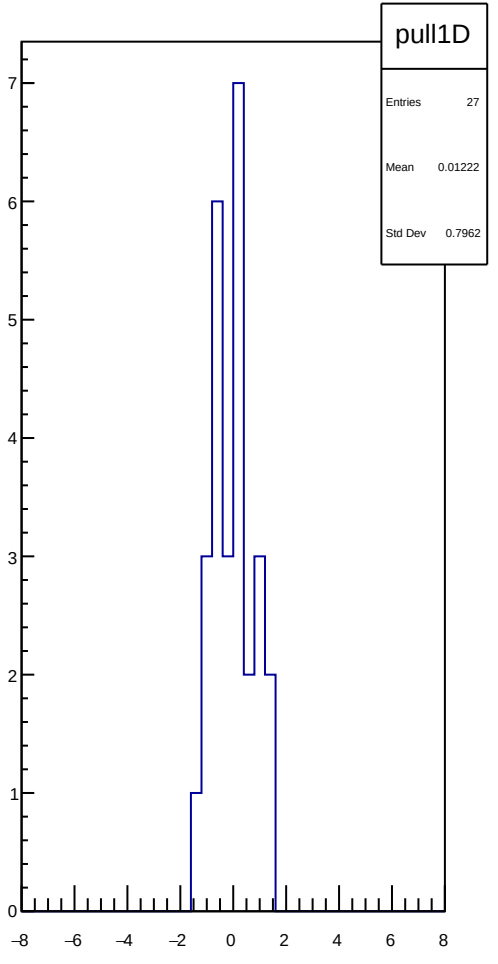

asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.545e+05 / 26
p0 4.105e−11 ± 6.816e−14
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

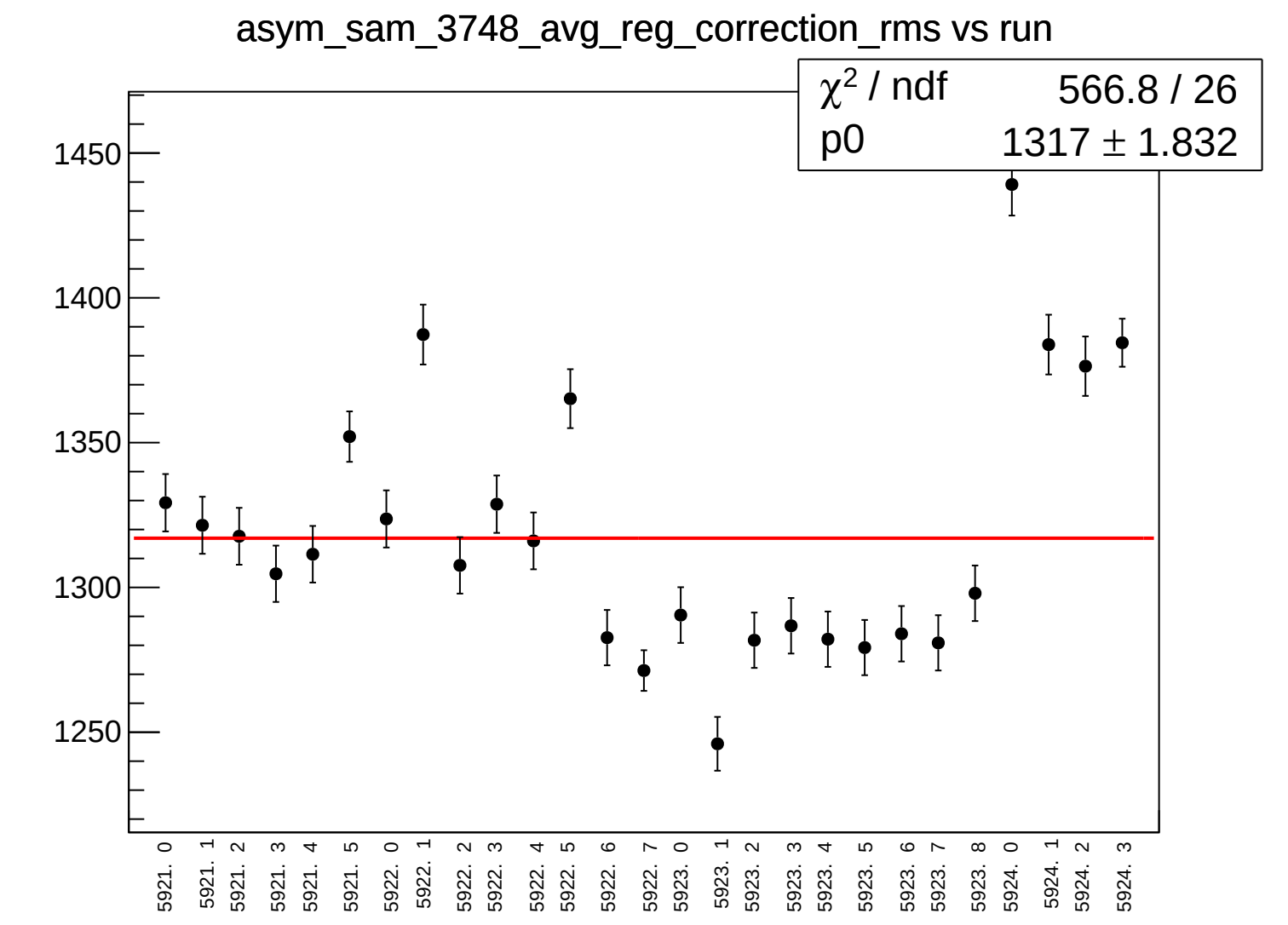

reg_asym_sam_3748_avg_mean vs run
χ² / ndf 29.07 / 26
p0 −361.5 ± 200.6
3000
2000
1000
0
−1000
−2000
−3000
−4000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 38.31
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

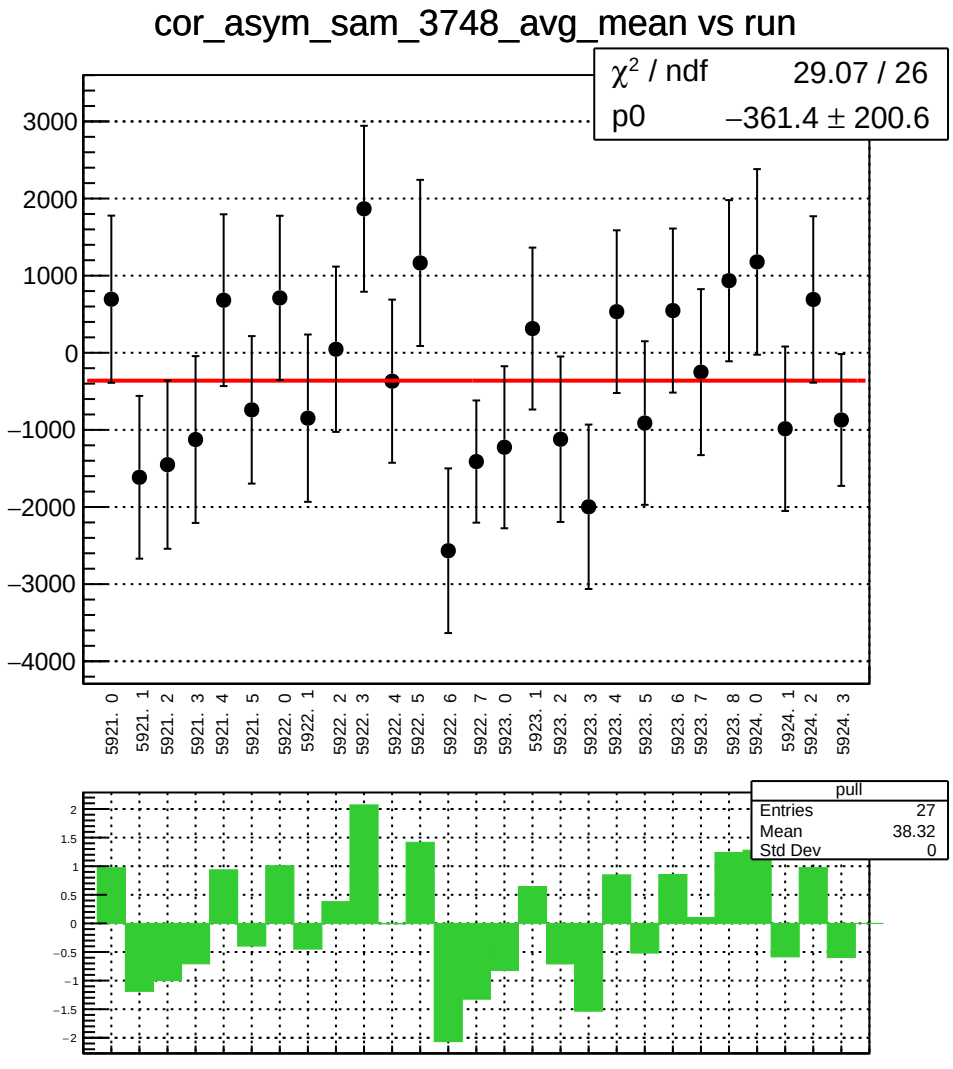

pull1D
Entries 27
Mean 0.03087
Std Dev 1.037
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

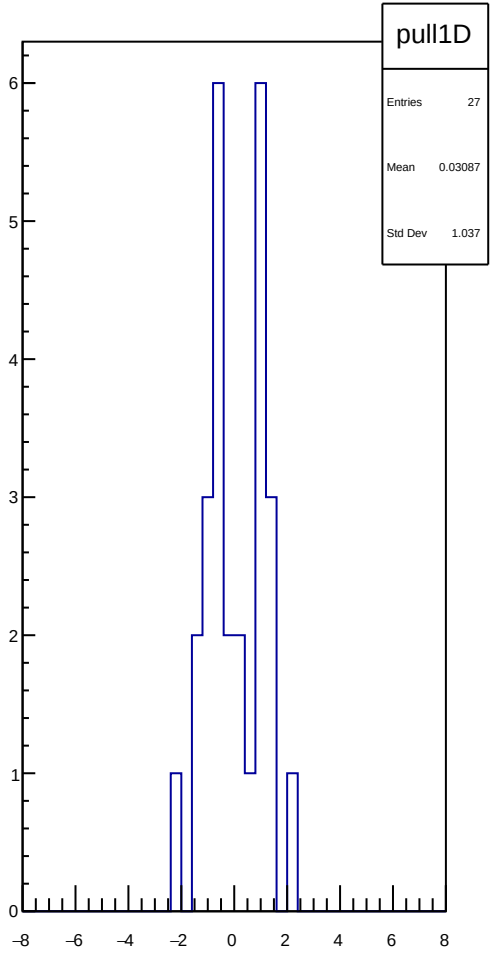

reg_asym_sam_3748_avg_rms vs run
χ² / ndf 312.8 / 26
p0 102 ± 0.1419
116
114
112
110
108
106
104
102
100
98
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

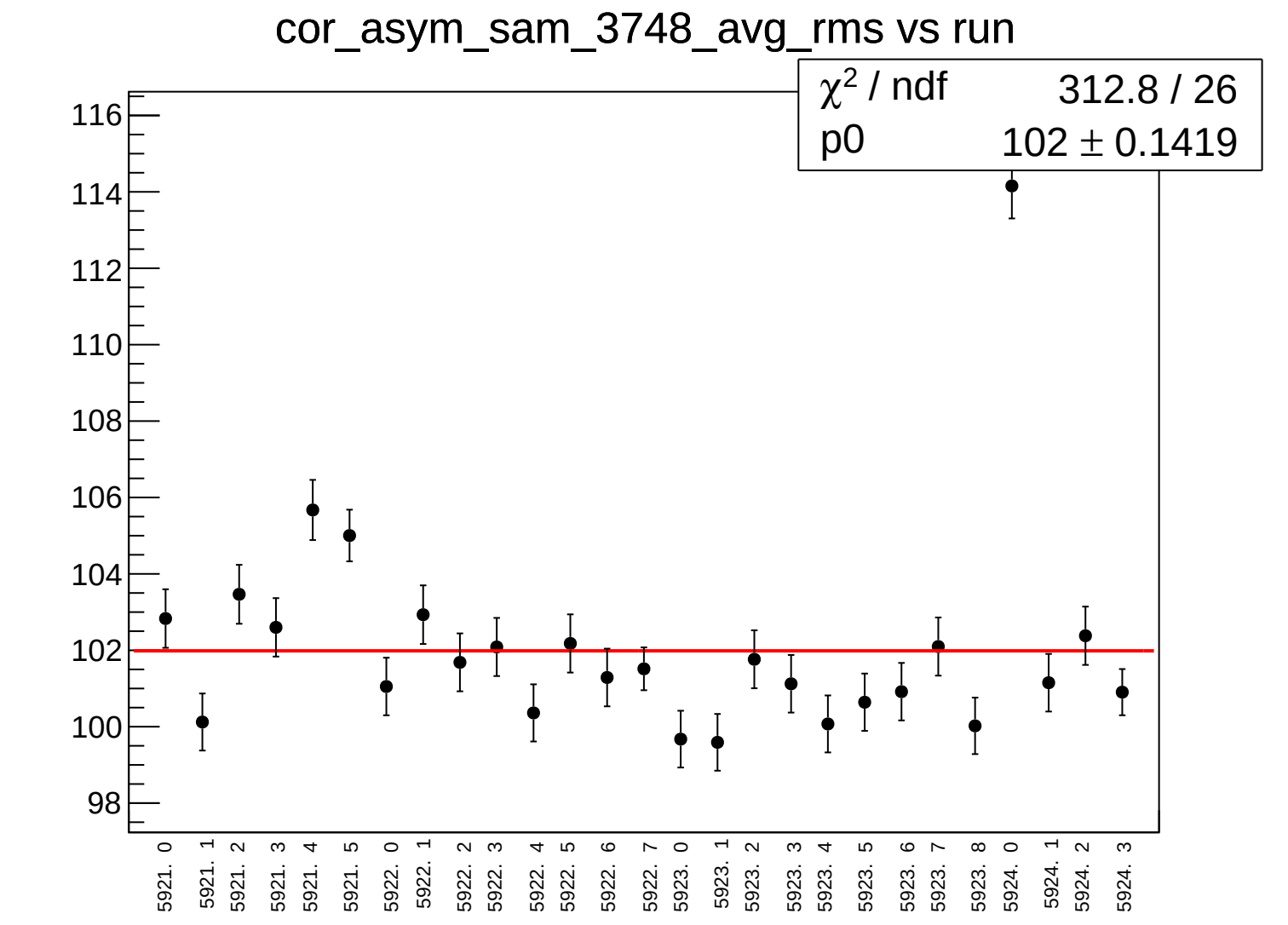

asym_sam_3748_avg_reg_correction_mean vs run
χ² / ndf 17.12 / 26
p0 501.9 ± 2591
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 40.87
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

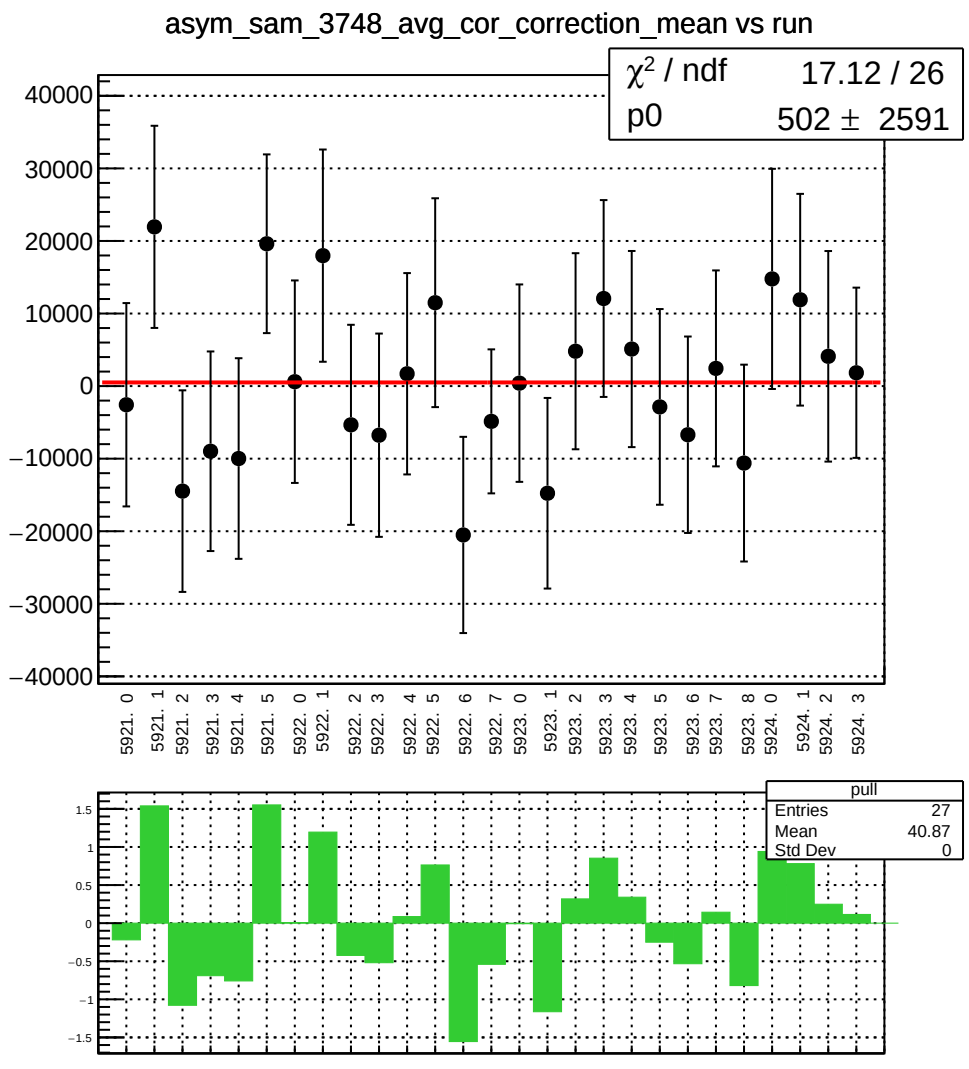

pull1D
Entries 27
Mean 0.01222
Std Dev 0.7962
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

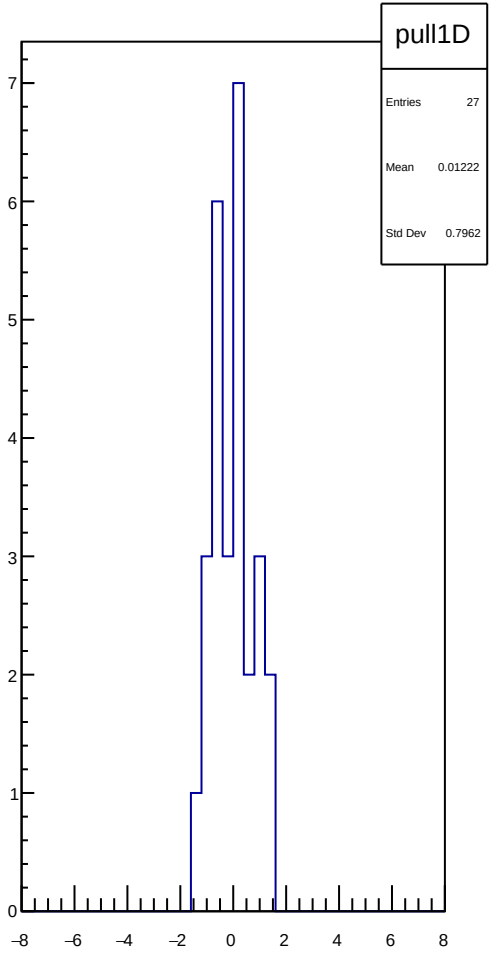

asym_sam_3748_avg_reg_correction_rms vs run
χ² / ndf 566.8 / 26
p0 1317 ± 1.832
1450
1400
1350
1300
1250
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

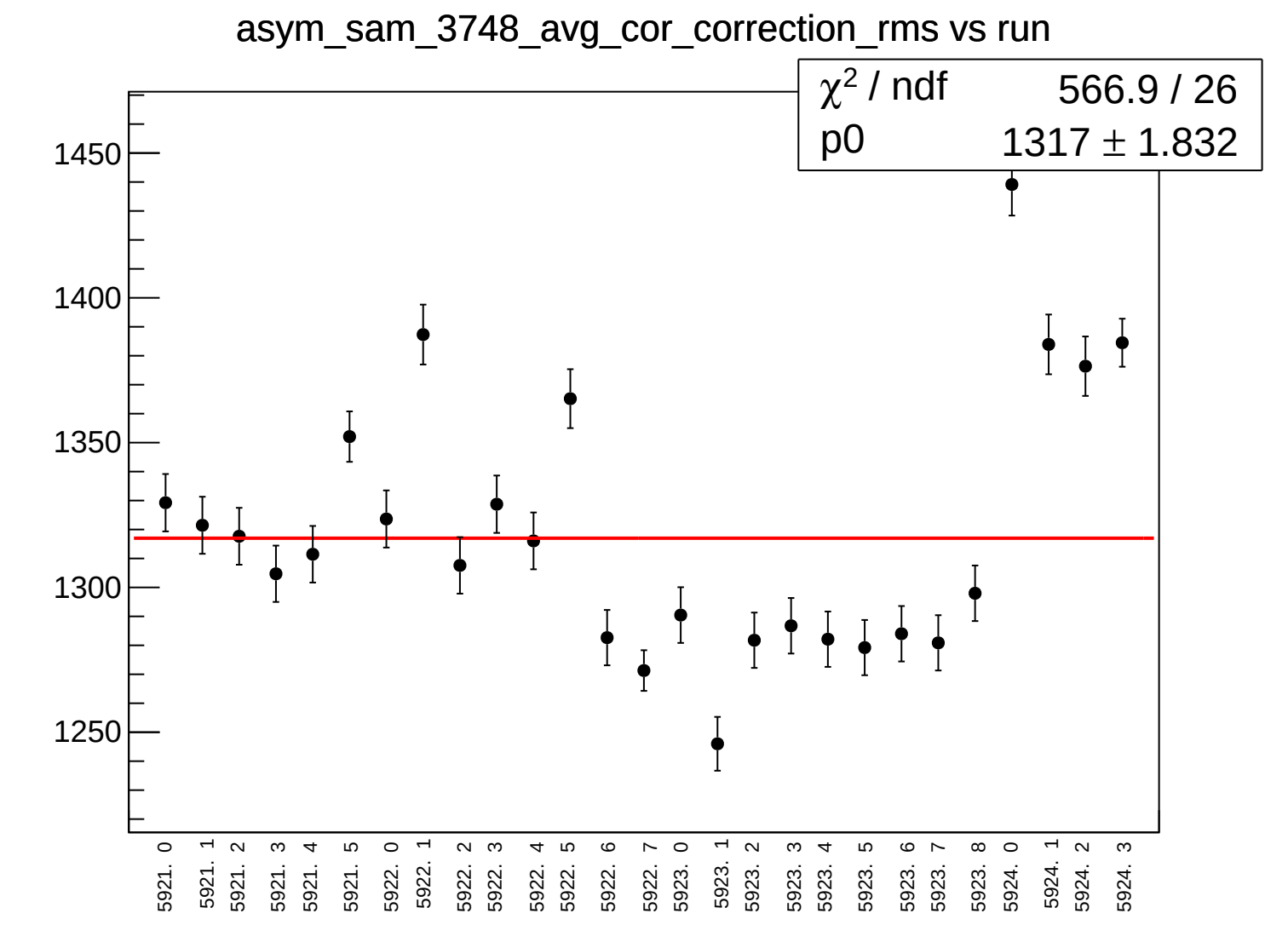

cor_asym_sam_3748_avg_mean vs run
χ² / ndf 29.07 / 26
p0 −361.4 ± 200.6
3000
2000
1000
0
−1000
−2000
−3000
−4000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 38.32
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

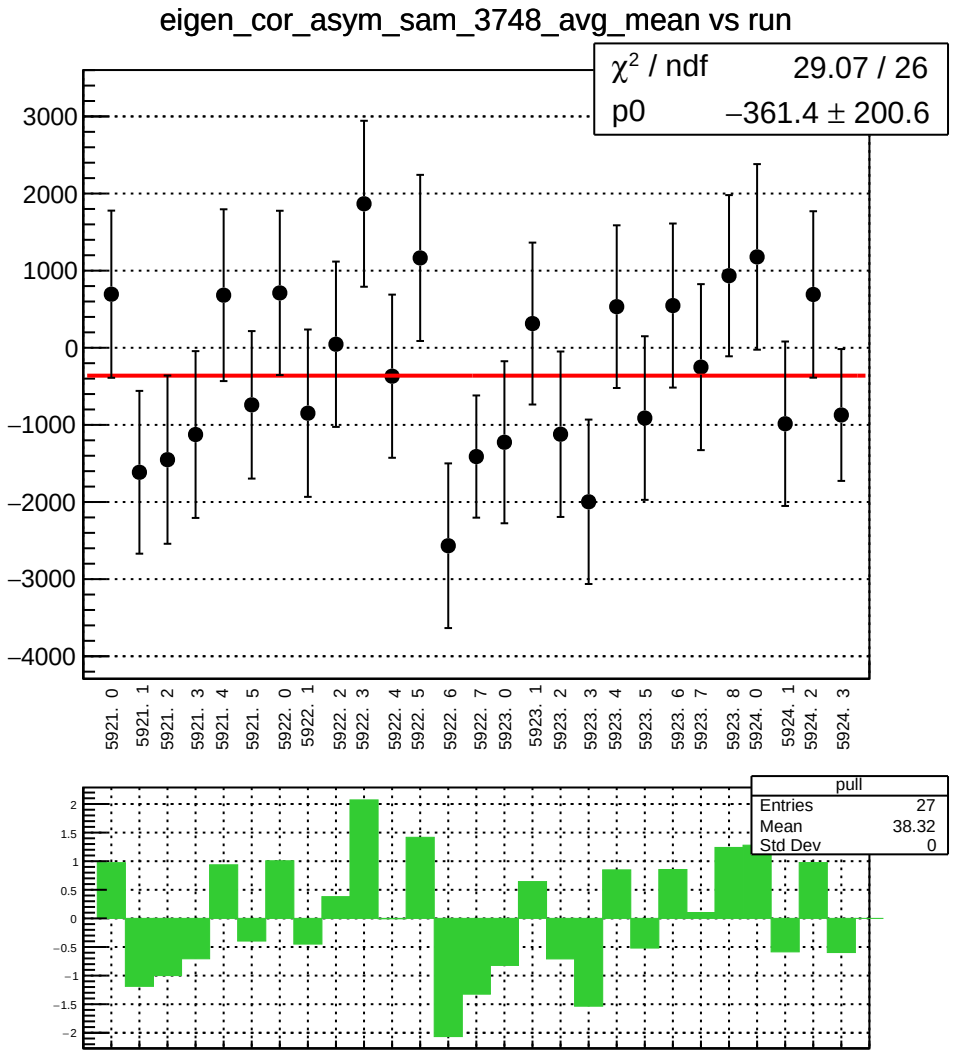

pull1D
Entries 27
Mean 0.03087
Std Dev 1.037
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

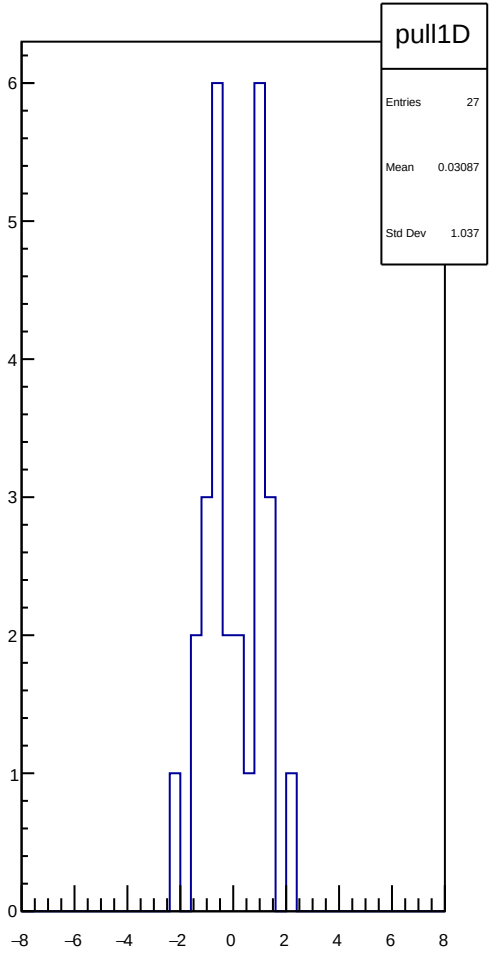

cor_asym_sam_3748_avg_rms vs run
χ² / ndf 312.8 / 26
p0 102 ± 0.1419
116
114
112
110
108
106
104
102
100
98
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

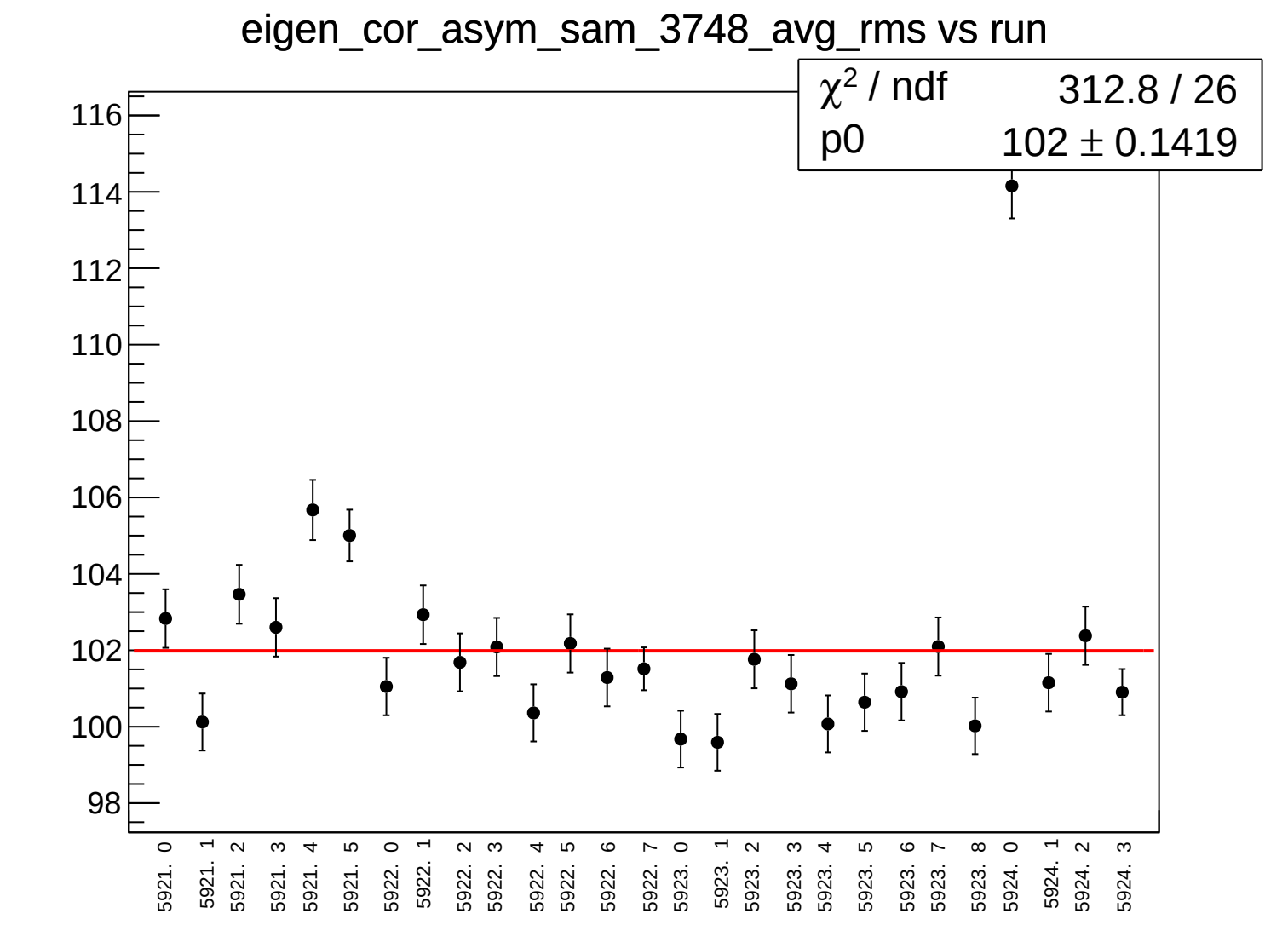

asym_sam_3748_avg_cor_correction_mean vs run
χ² / ndf 17.12 / 26
p0 502 ± 2591
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 40.87
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

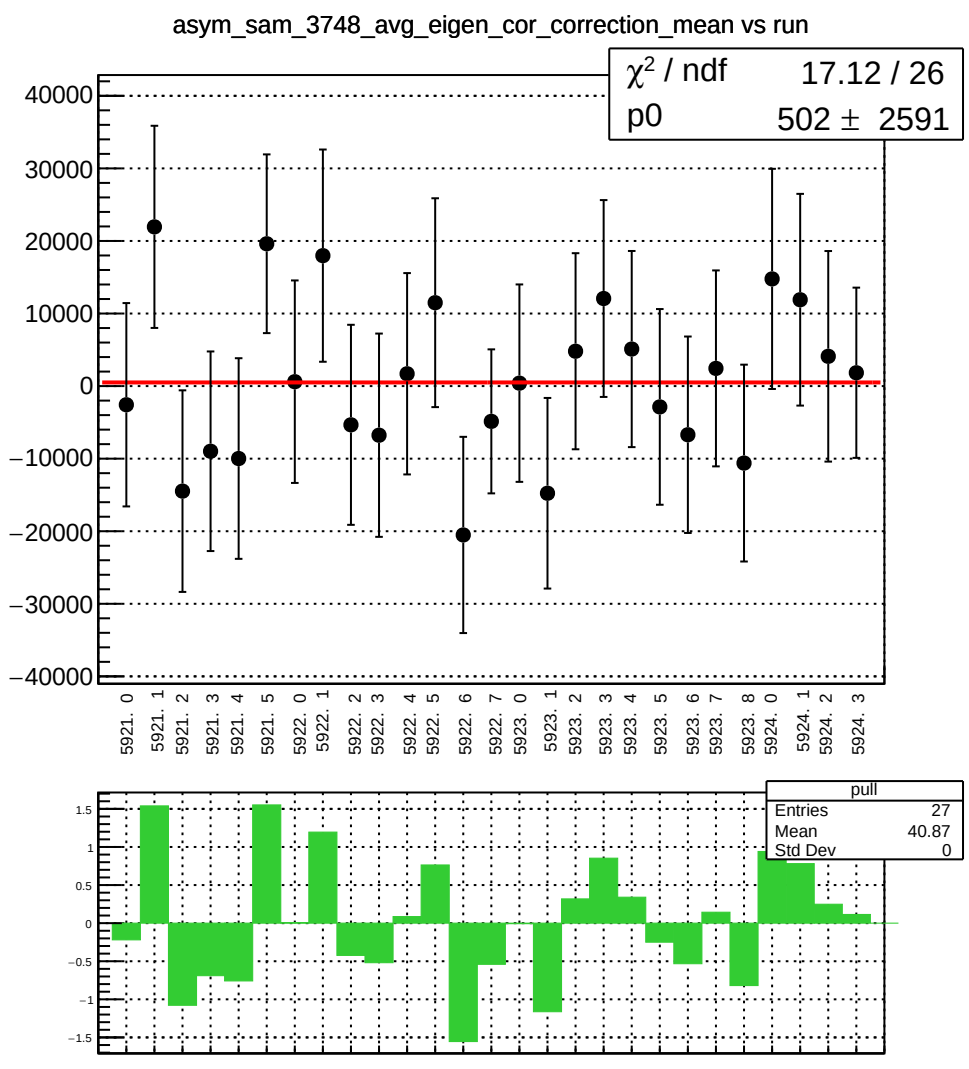

pull1D
Entries 27
Mean 0.01222
Std Dev 0.7962
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

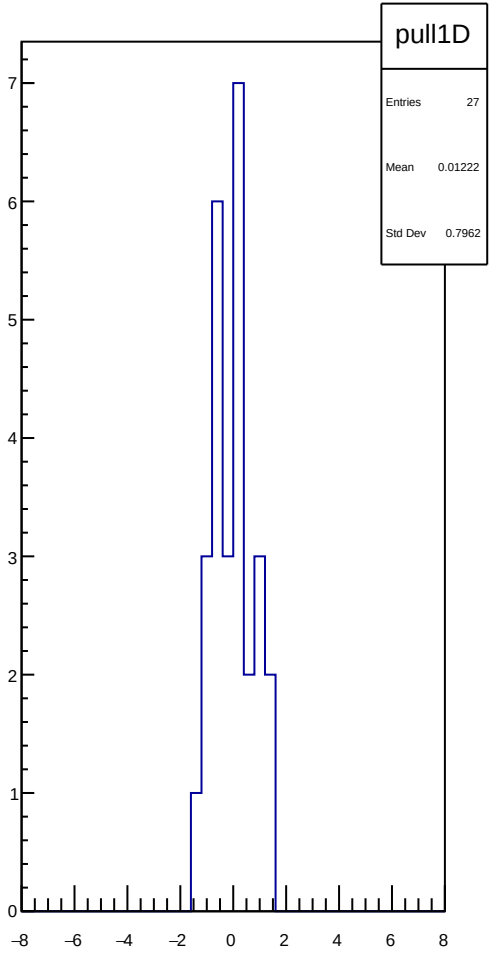

asym_sam_3748_avg_cor_correction_rms vs run
χ² / ndf 566.9 / 26
p0 1317 ± 1.832
1450
1400
1350
1300
1250
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

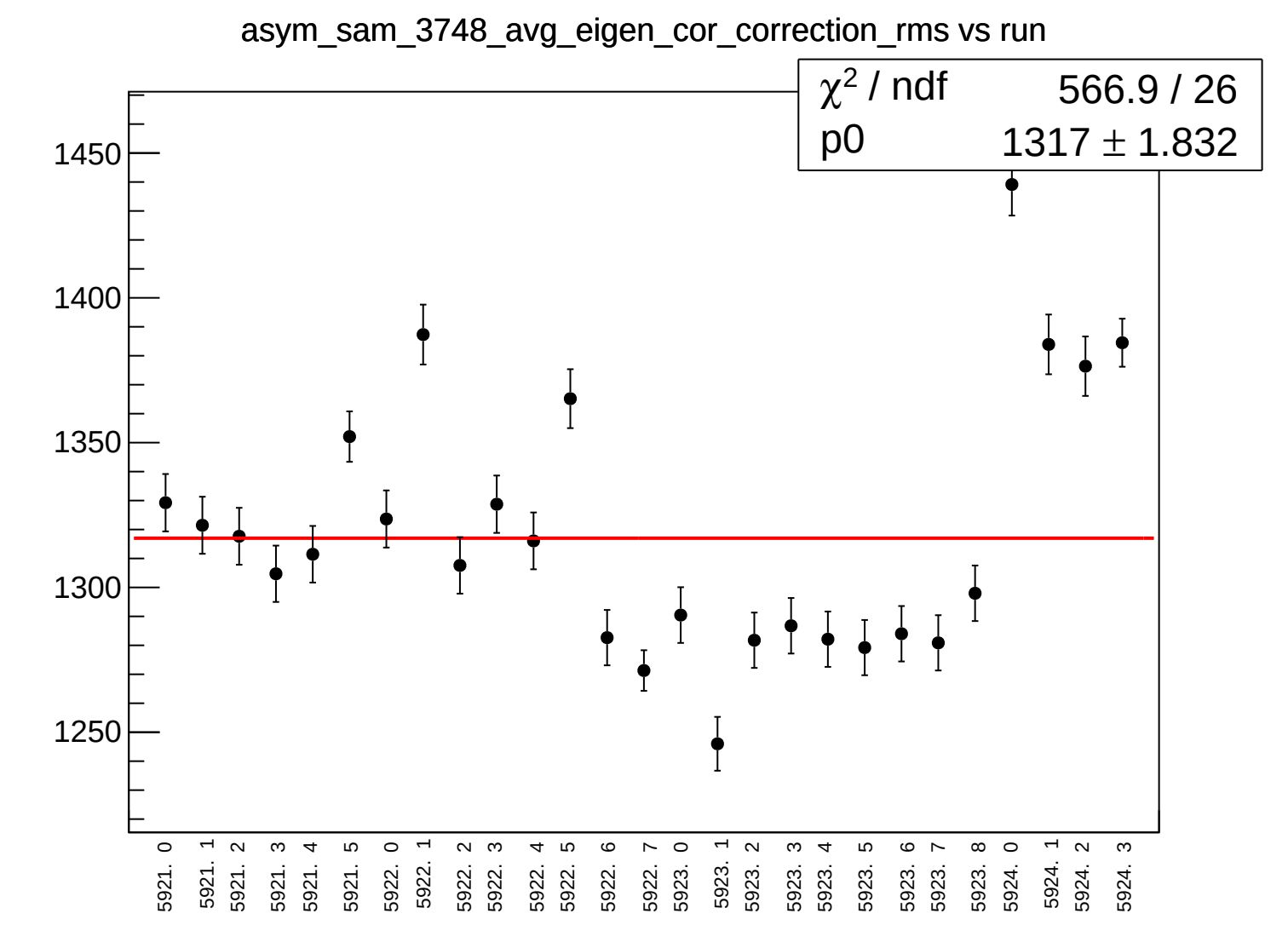

eigen_cor_asym_sam_3748_avg_mean vs run
χ² / ndf 29.07 / 26
p0 −361.4 ± 200.6
3000
2000
1000
0
−1000
−2000
−3000
−4000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 38.32
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

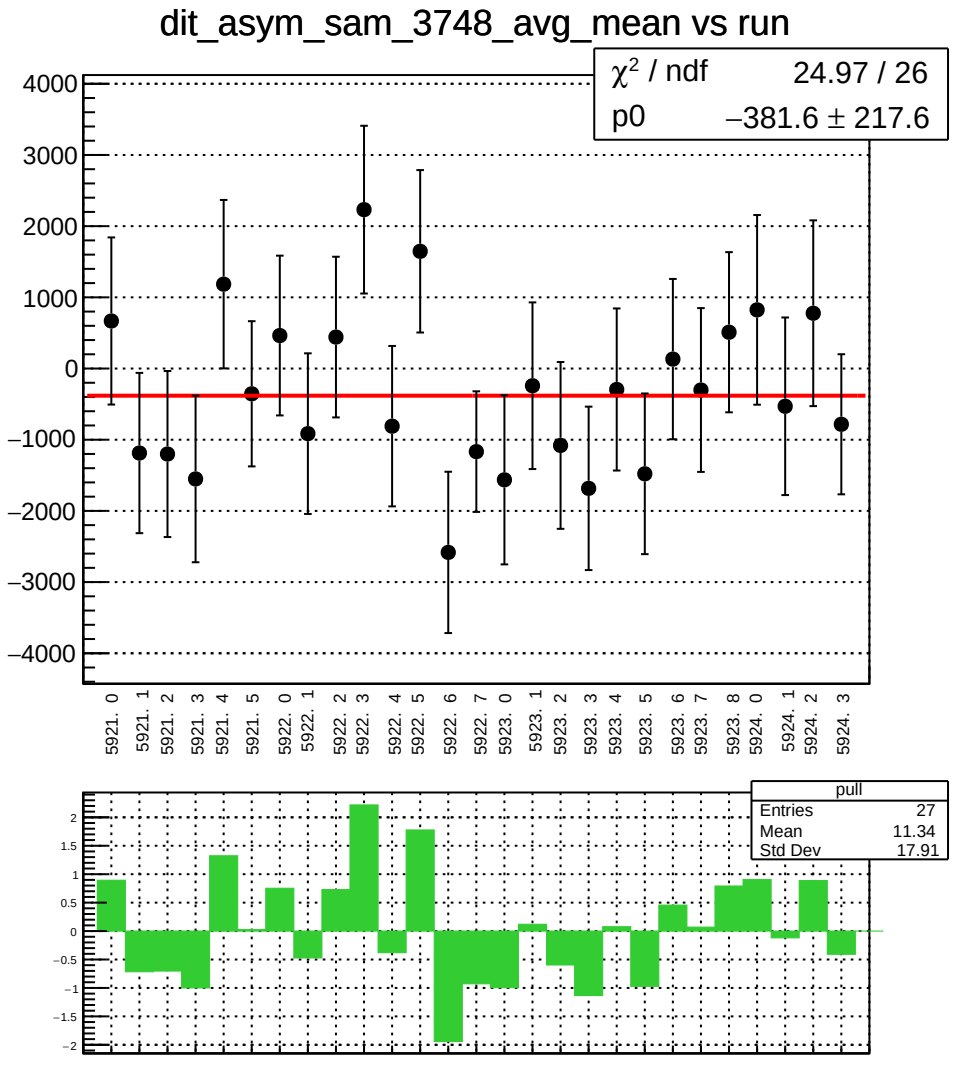

pull1D
Entries 27
Mean 0.03087
Std Dev 1.037
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

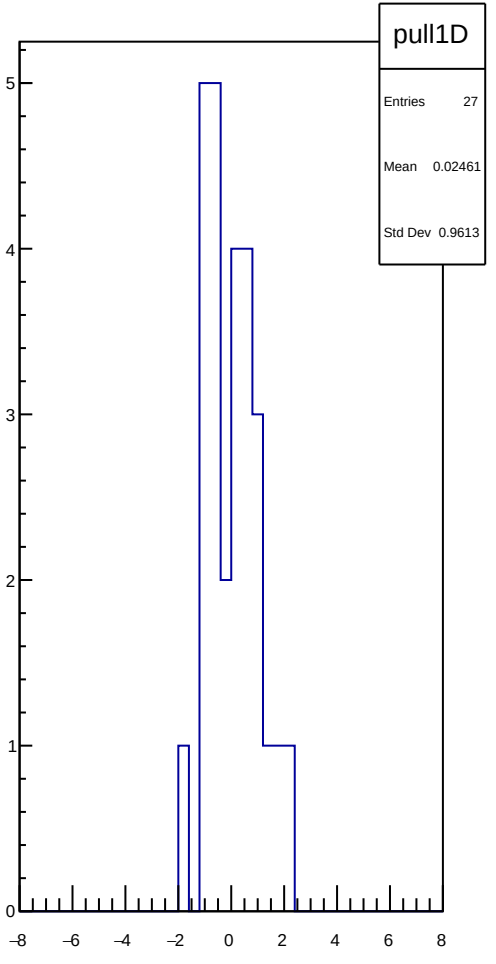

eigen_cor_asym_sam_3748_avg_rms vs run
χ² / ndf 312.8 / 26
p0 102 ± 0.1419
116
114
112
110
108
106
104
102
100
98
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

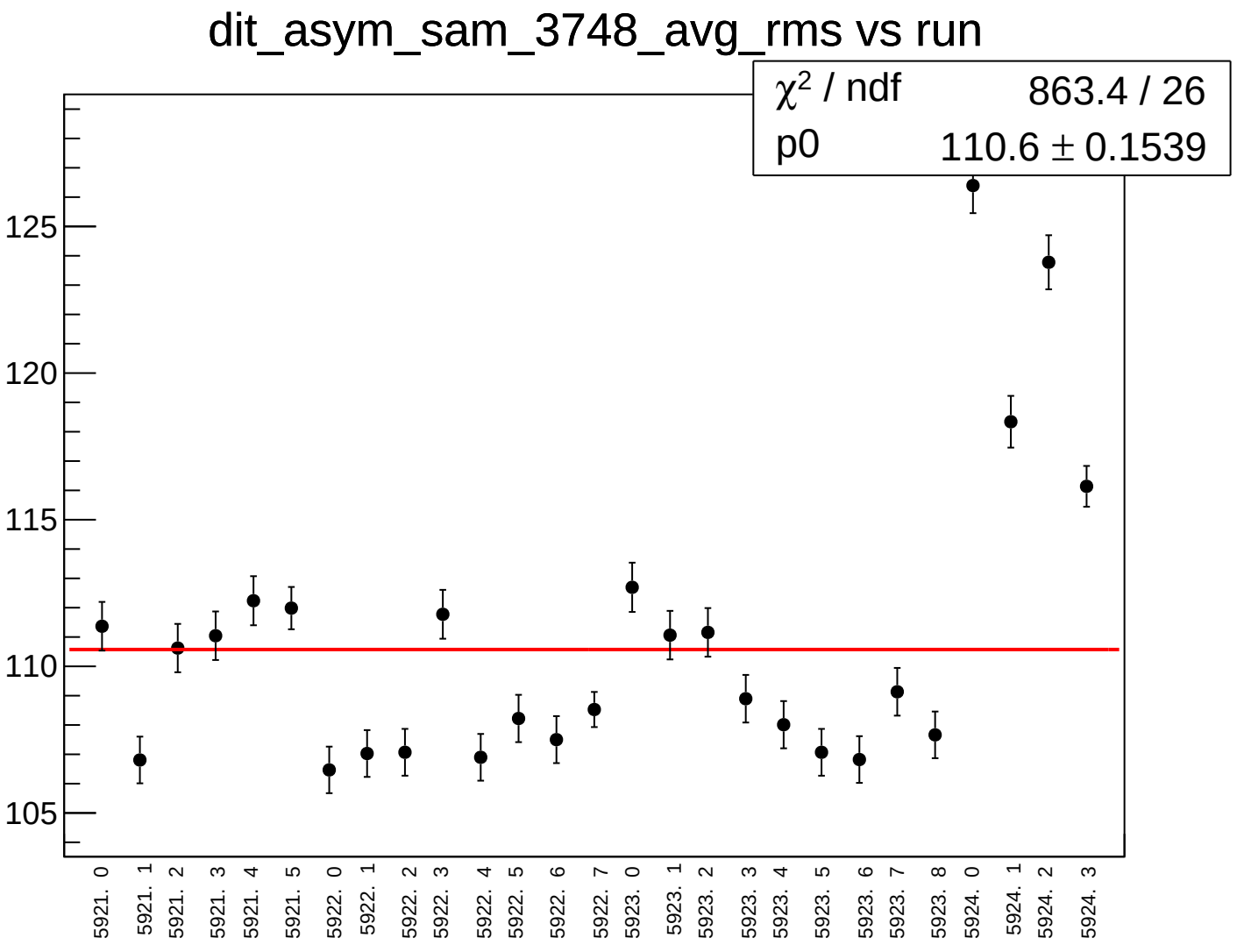

asym_sam_3748_avg_eigen_cor_correction_mean vs run
χ² / ndf 17.12 / 26
p0 502 ± 2591
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 40.87
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

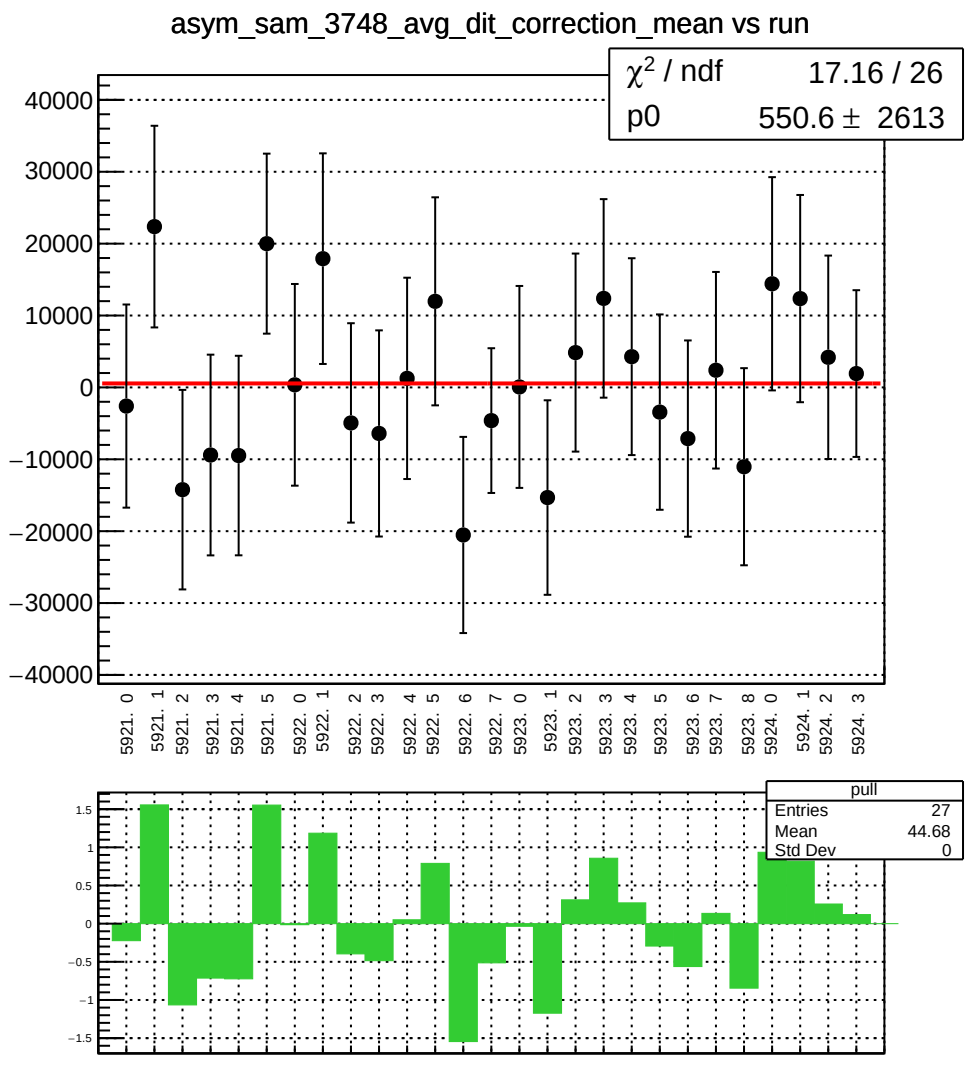

pull1D
Entries 27
Mean 0.01222
Std Dev 0.7962
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

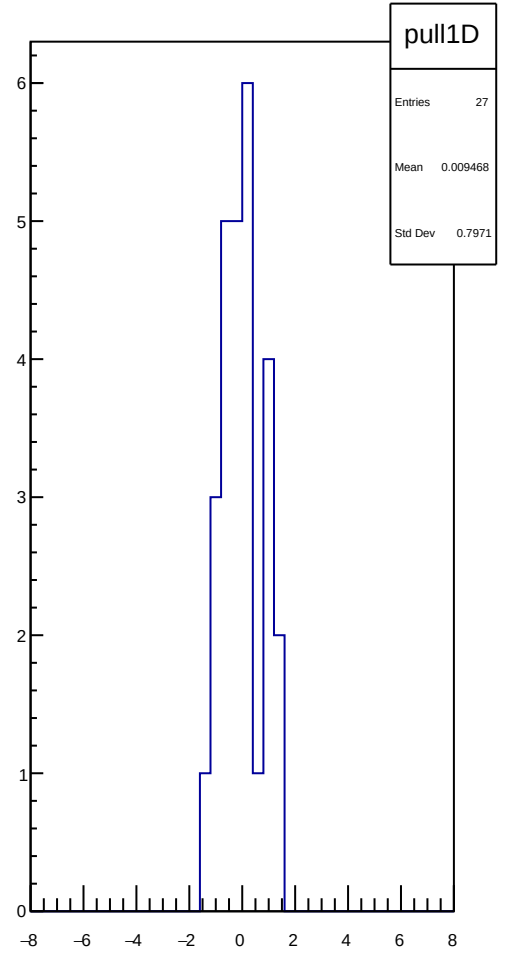

asym_sam_3748_avg_eigen_cor_correction_rms vs run
χ² / ndf 566.9 / 26
p0 1317 ± 1.832
1450
1400
1350
1300
1250
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

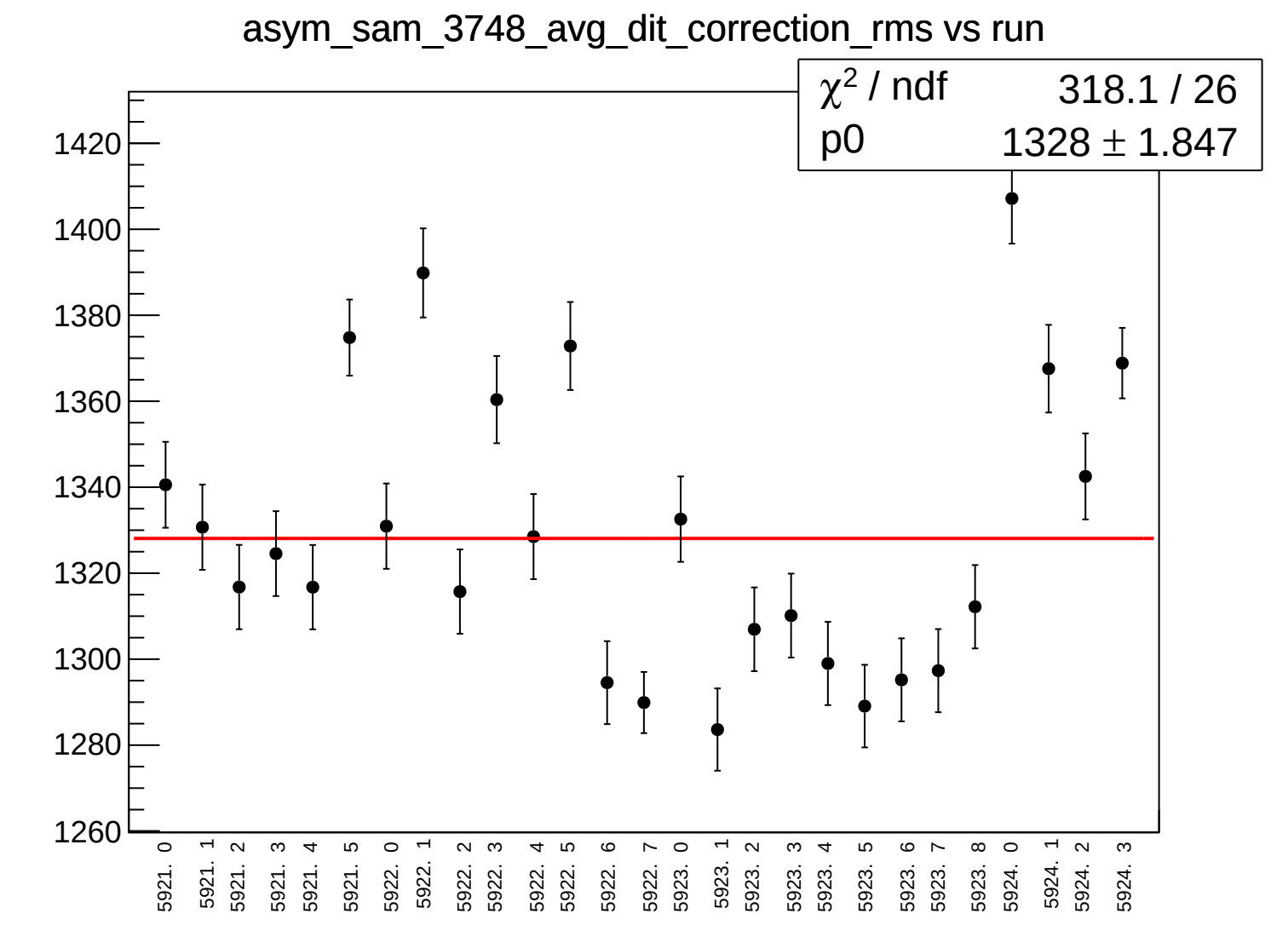

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 24.97 / 26
p0 −381.6 ± 217.6
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 11.34
Std Dev 17.91
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

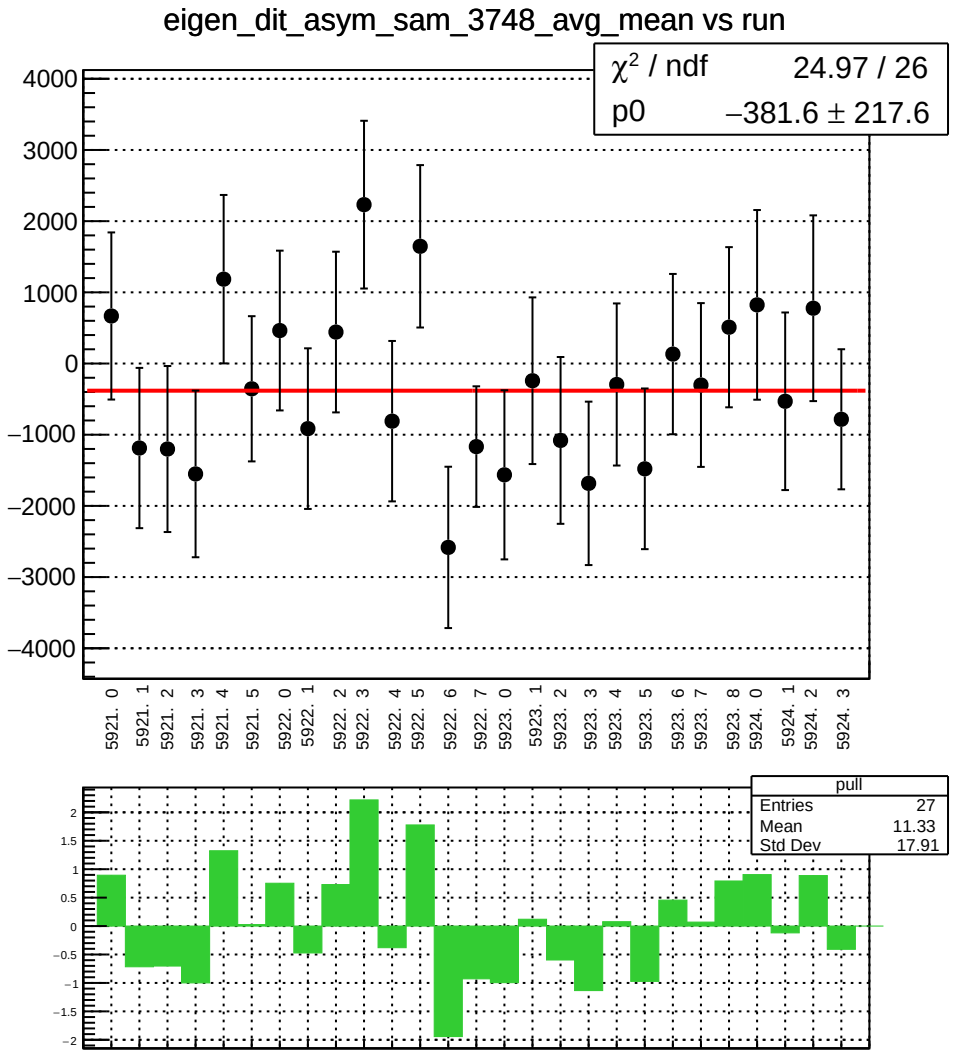

pull1D
Entries 27
Mean 0.02461
Std Dev 0.9613
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

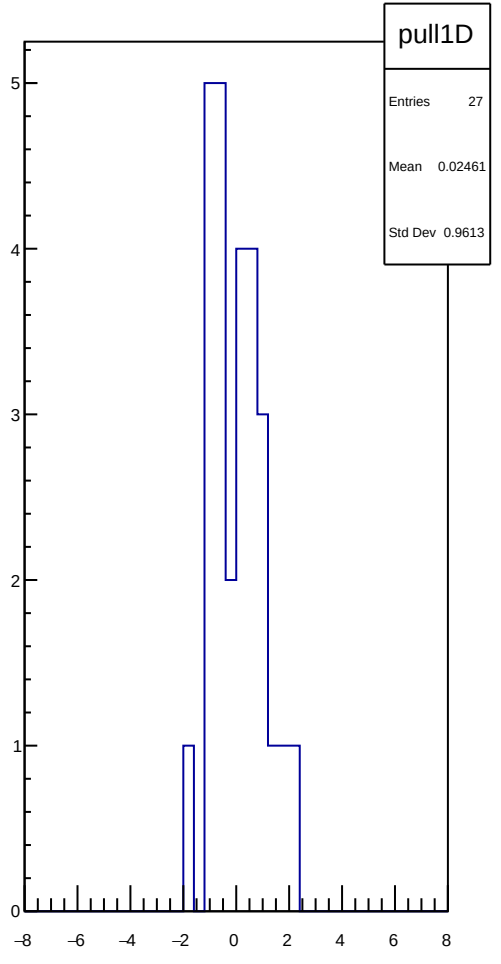

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 863.4 / 26
p0 110.6 ± 0.1539
125
120
115
110
105
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

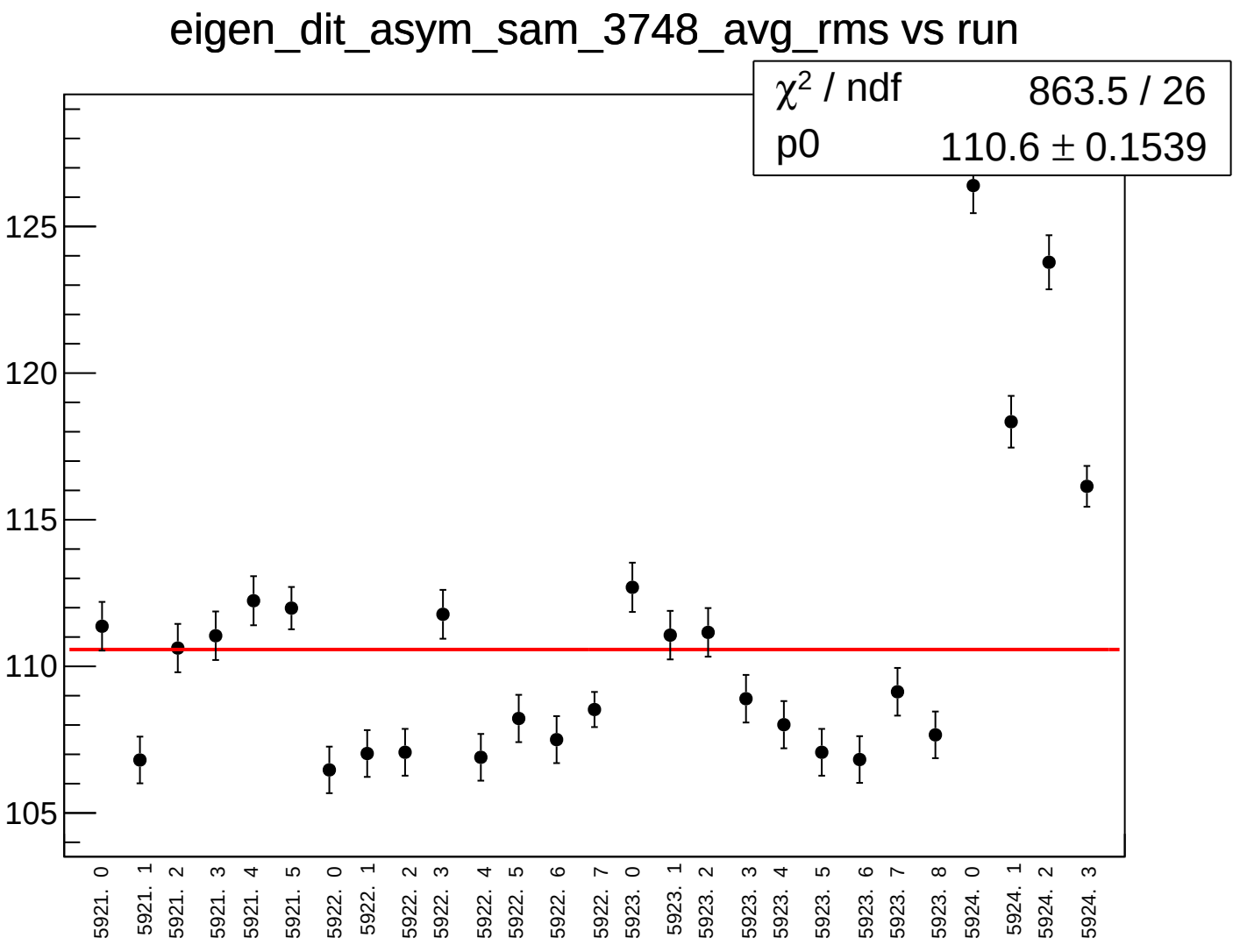

asym_sam_3748_avg_dit_correction_mean vs run
χ² / ndf 17.16 / 26
p0 550.6 ± 2613
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 44.68
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

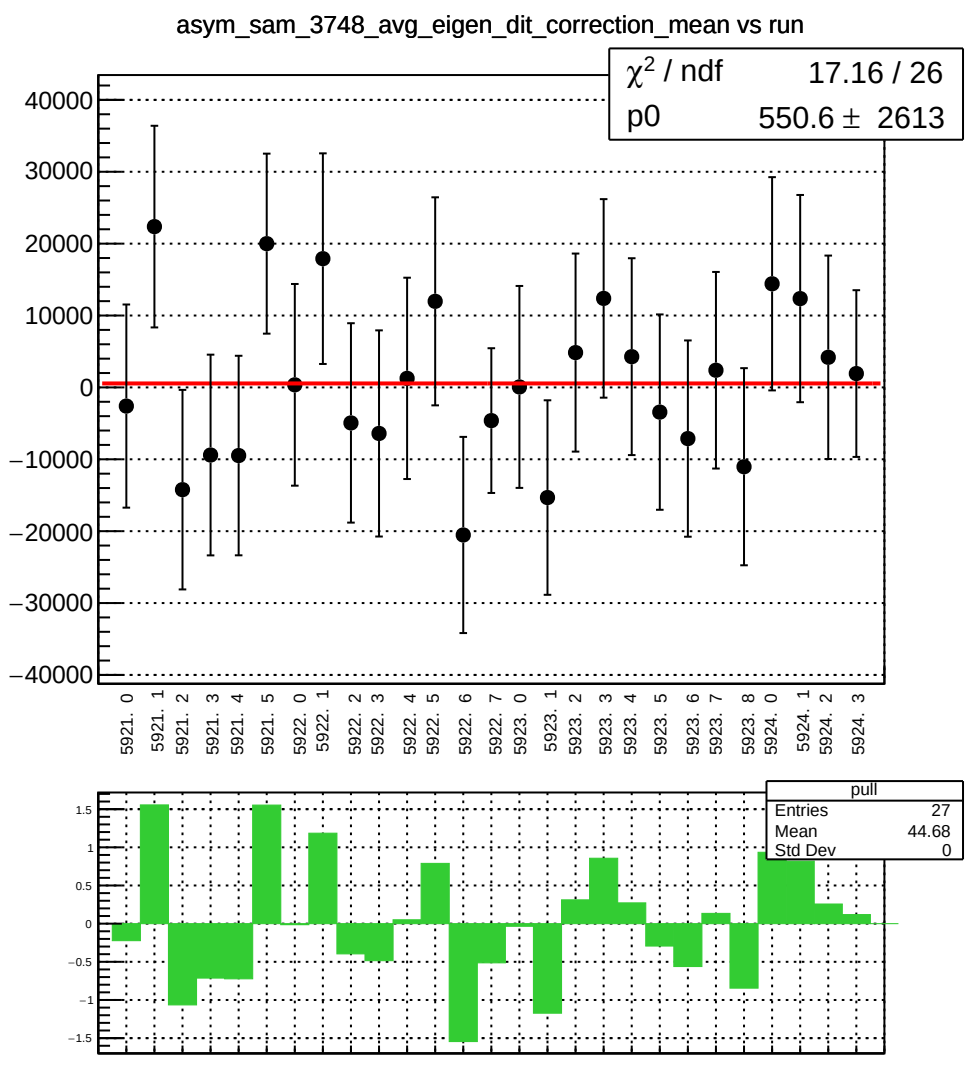

pull1D
Entries 27
Mean 0.009468
Std Dev 0.7971
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

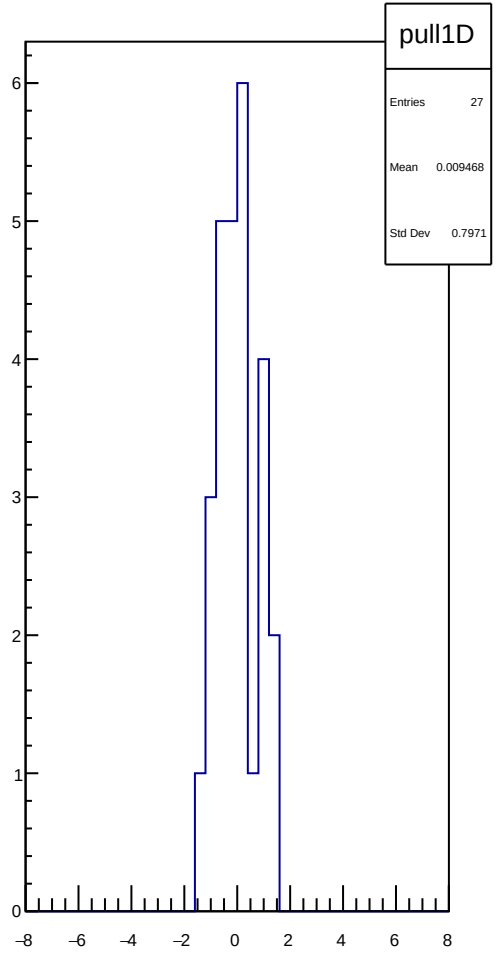

asym_sam_3748_avg_dit_correction_rms vs run
χ² / ndf 318.1 / 26
p0 1328 ± 1.847
1420
1400
1380
1360
1340
1320
1300
1280
1260
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

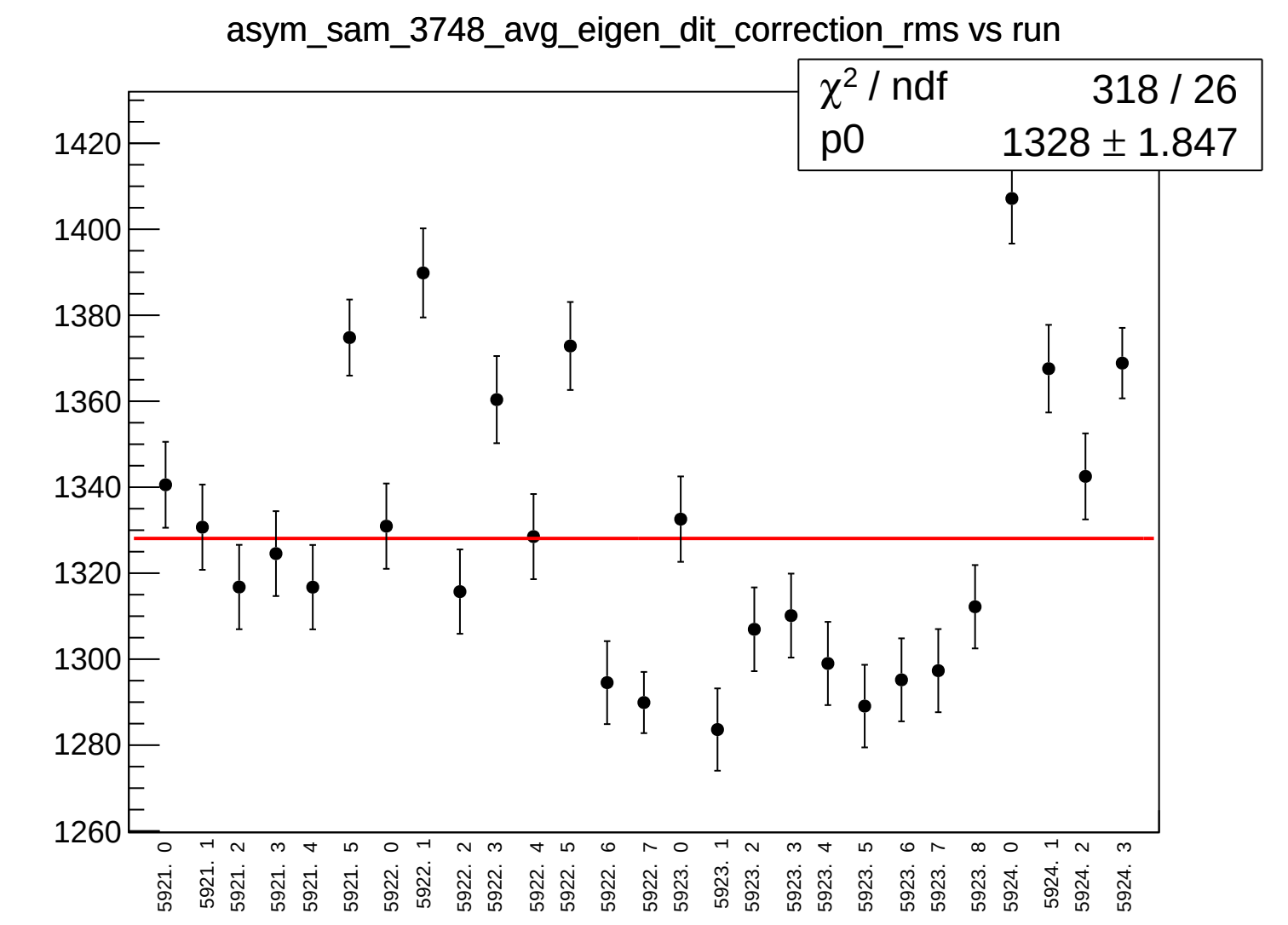

eigen_dit_asym_sam_3748_avg_mean vs run
χ² / ndf 24.97 / 26
p0 −381.6 ± 217.6
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 11.33
Std Dev 17.91
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

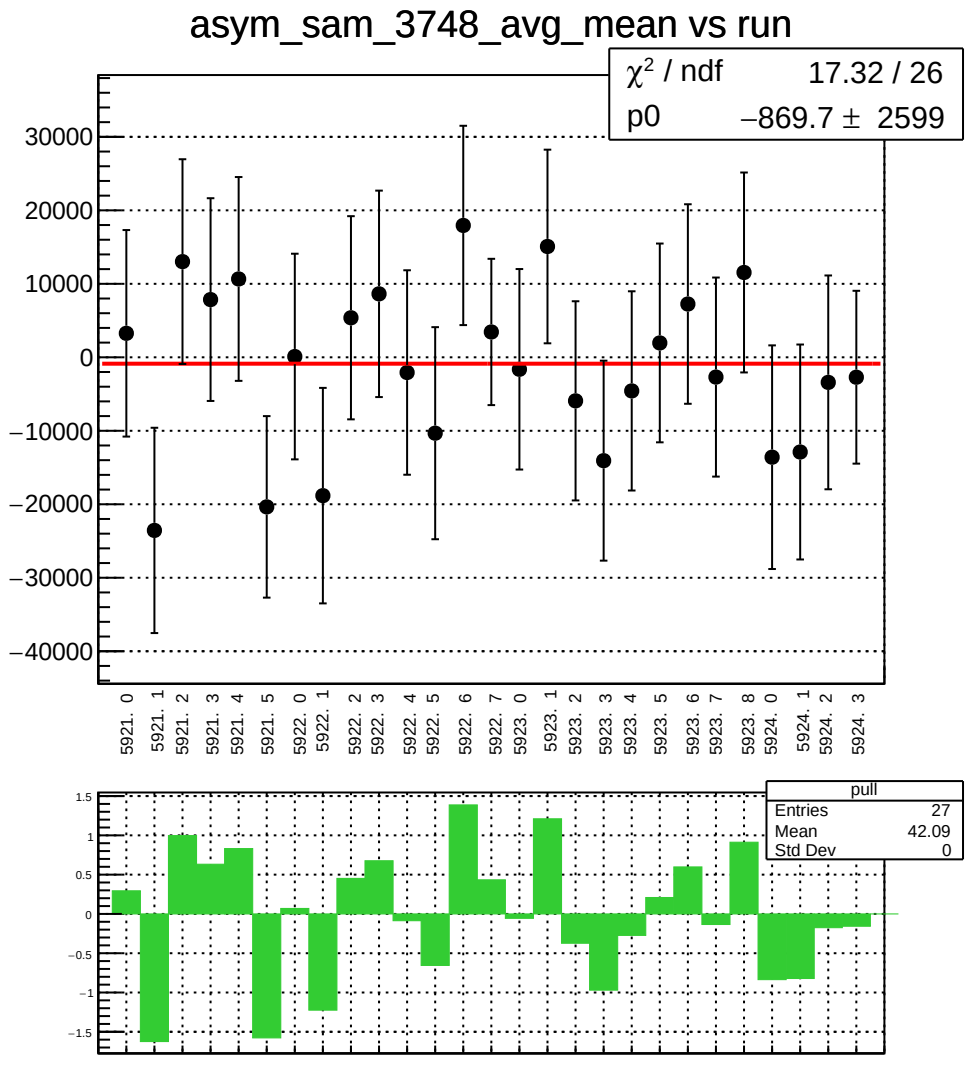

pull1D
Entries 27
Mean 0.02461
Std Dev 0.9613
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

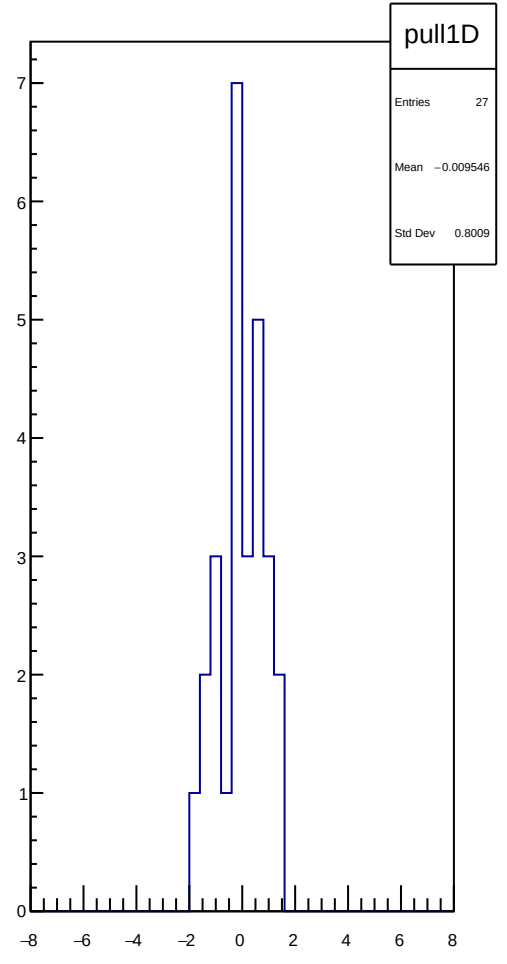

eigen_dit_asym_sam_3748_avg_rms vs run
χ² / ndf 863.5 / 26
p0 110.6 ± 0.1539
125
120
115
110
105
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

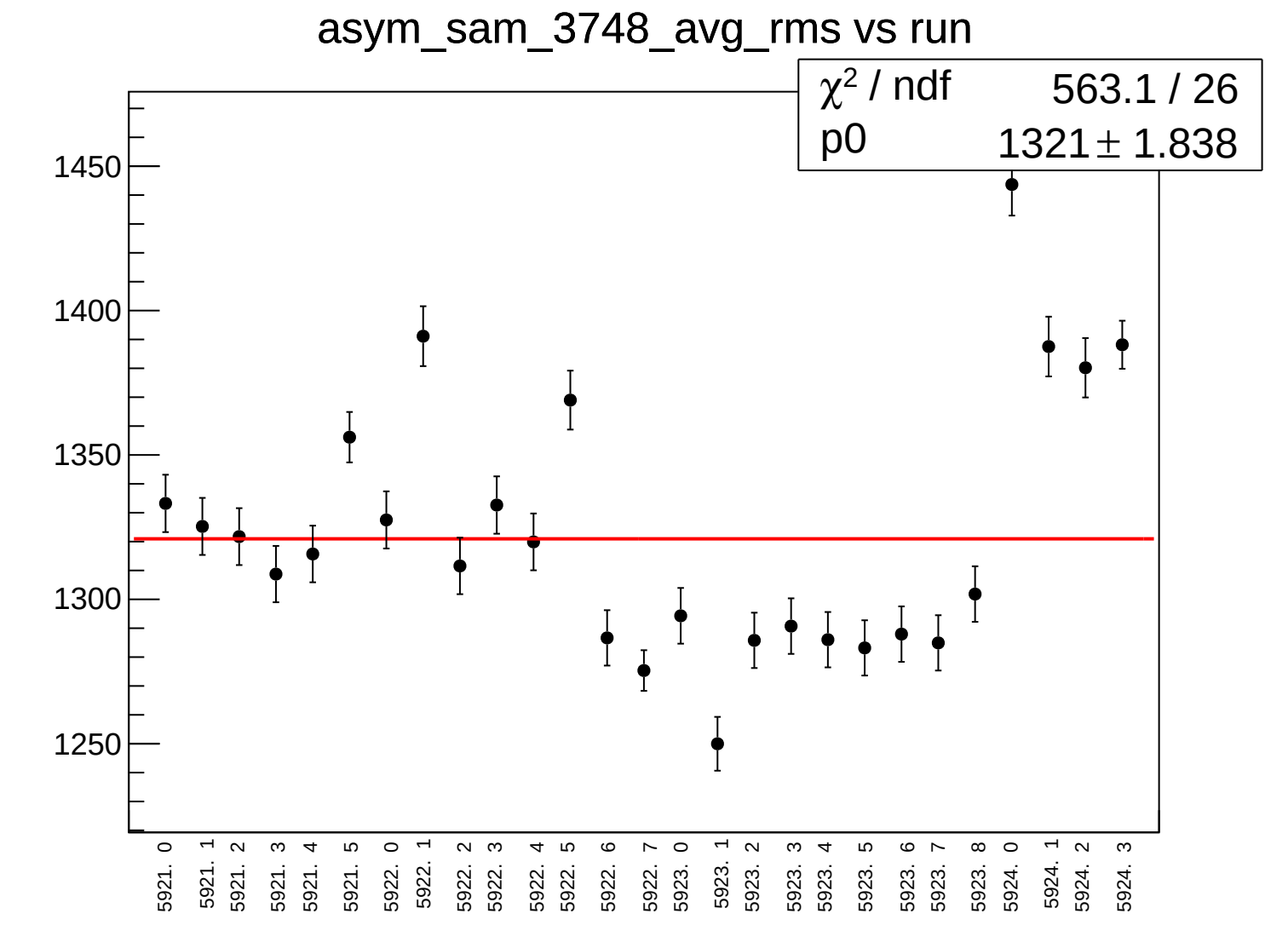

asym_sam_3748_avg_eigen_dit_correction_mean vs run
χ² / ndf 17.16 / 26
p0 550.6 ± 2613
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 44.68
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

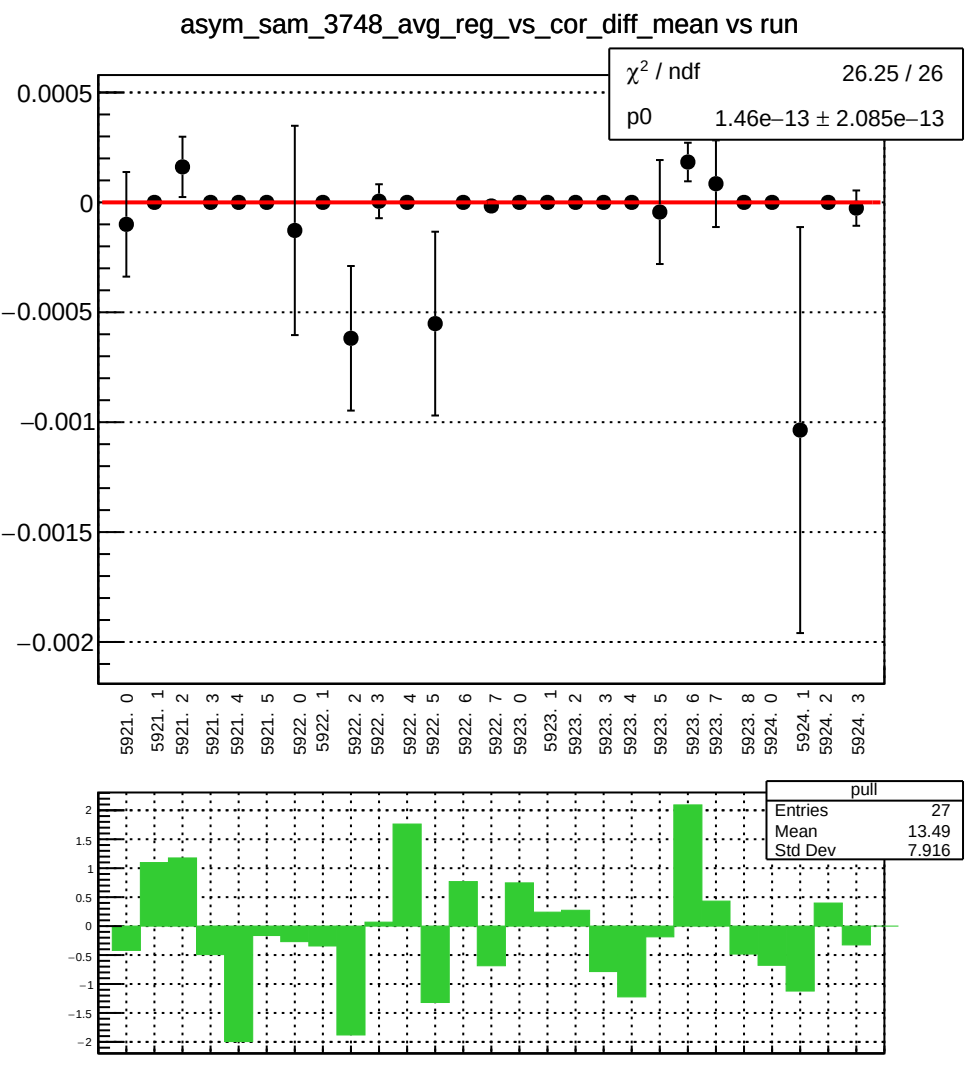

pull1D
Entries 27
Mean 0.009468
Std Dev 0.7971
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

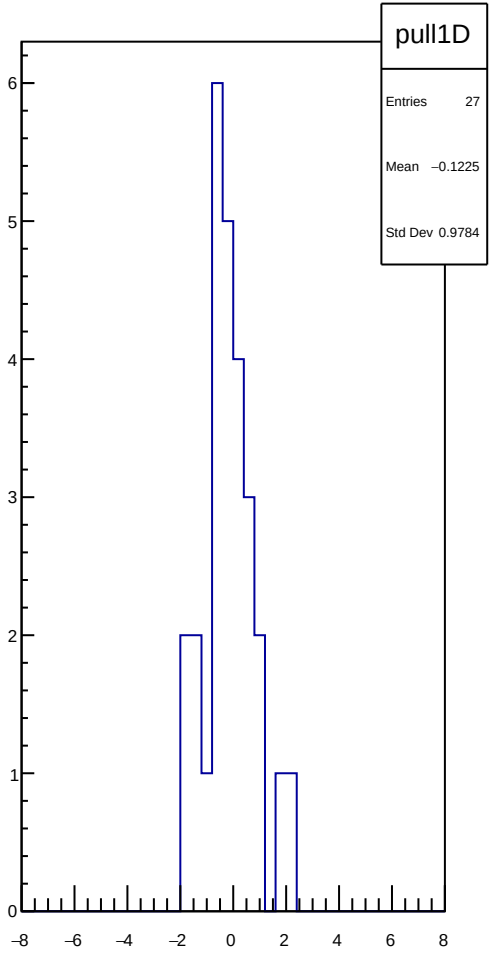

asym_sam_3748_avg_eigen_dit_correction_rms vs run
χ² / ndf 318 / 26
p0 1328 ± 1.847
1420
1400
1380
1360
1340
1320
1300
1280
1260
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

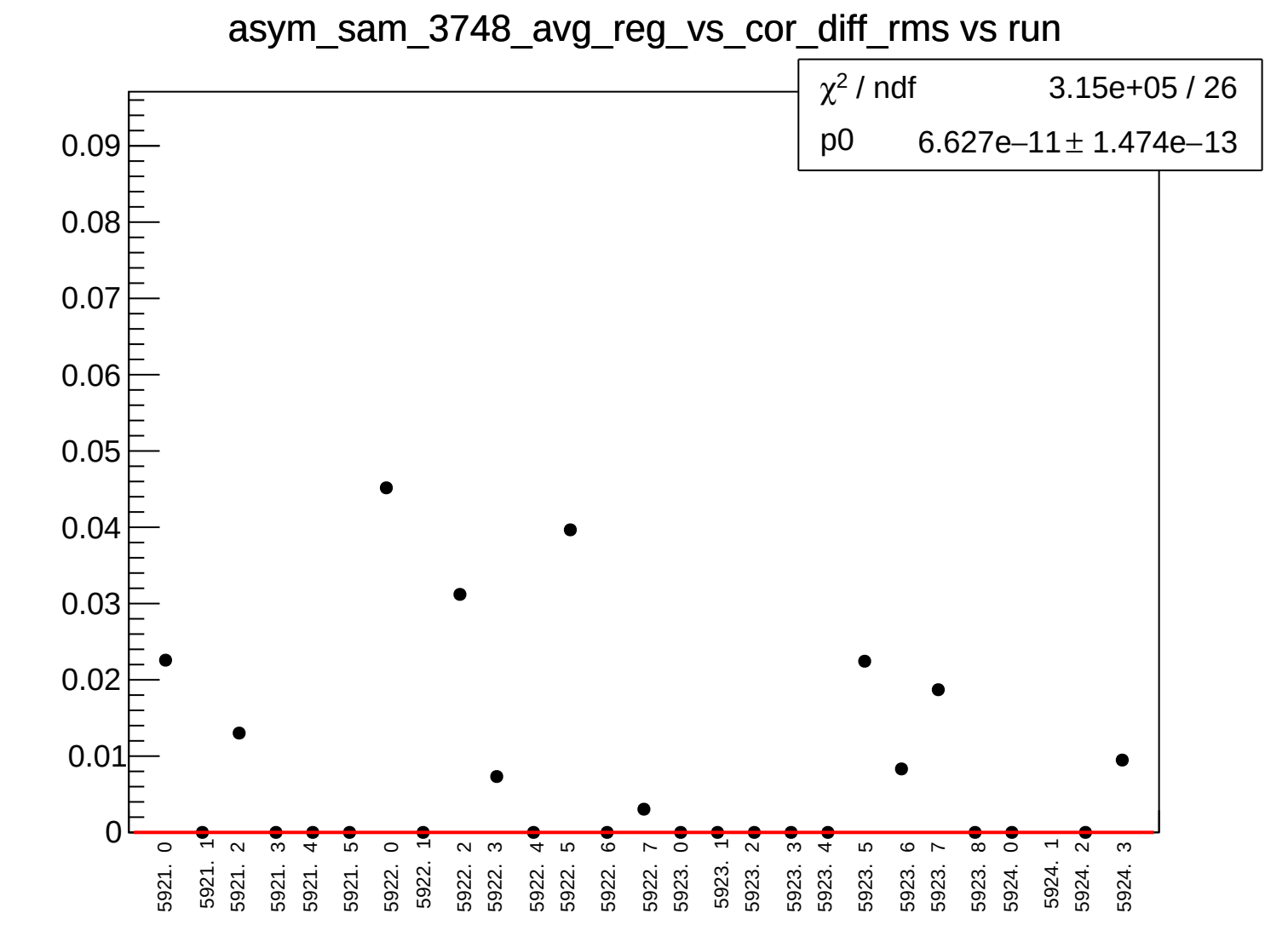

asym_sam_3748_avg_mean vs run
χ² / ndf 17.32 / 26
p0 −869.7 ± 2599
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 42.09
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

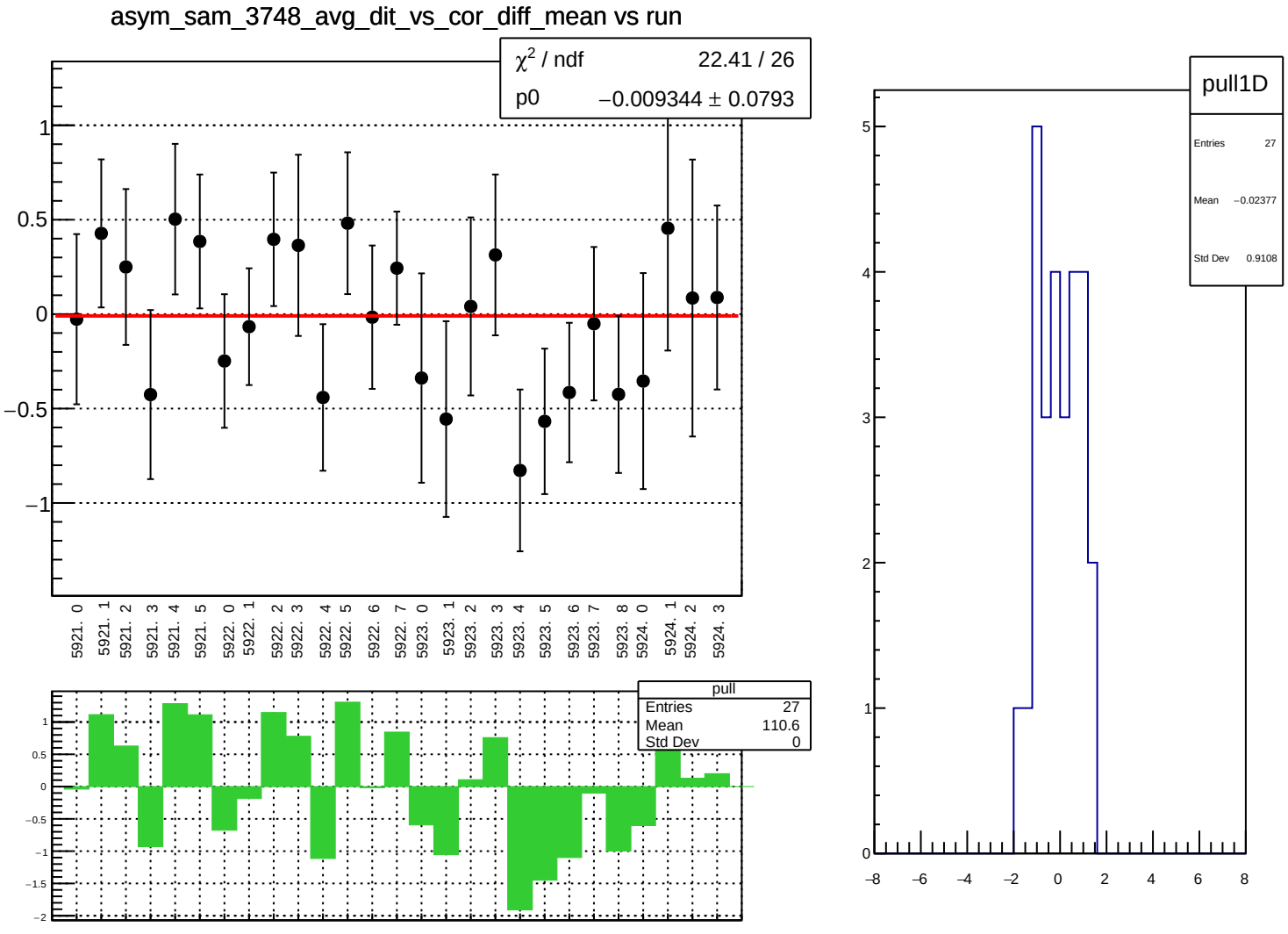

pull1D
Entries 27
Mean −0.009546
Std Dev 0.8009
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

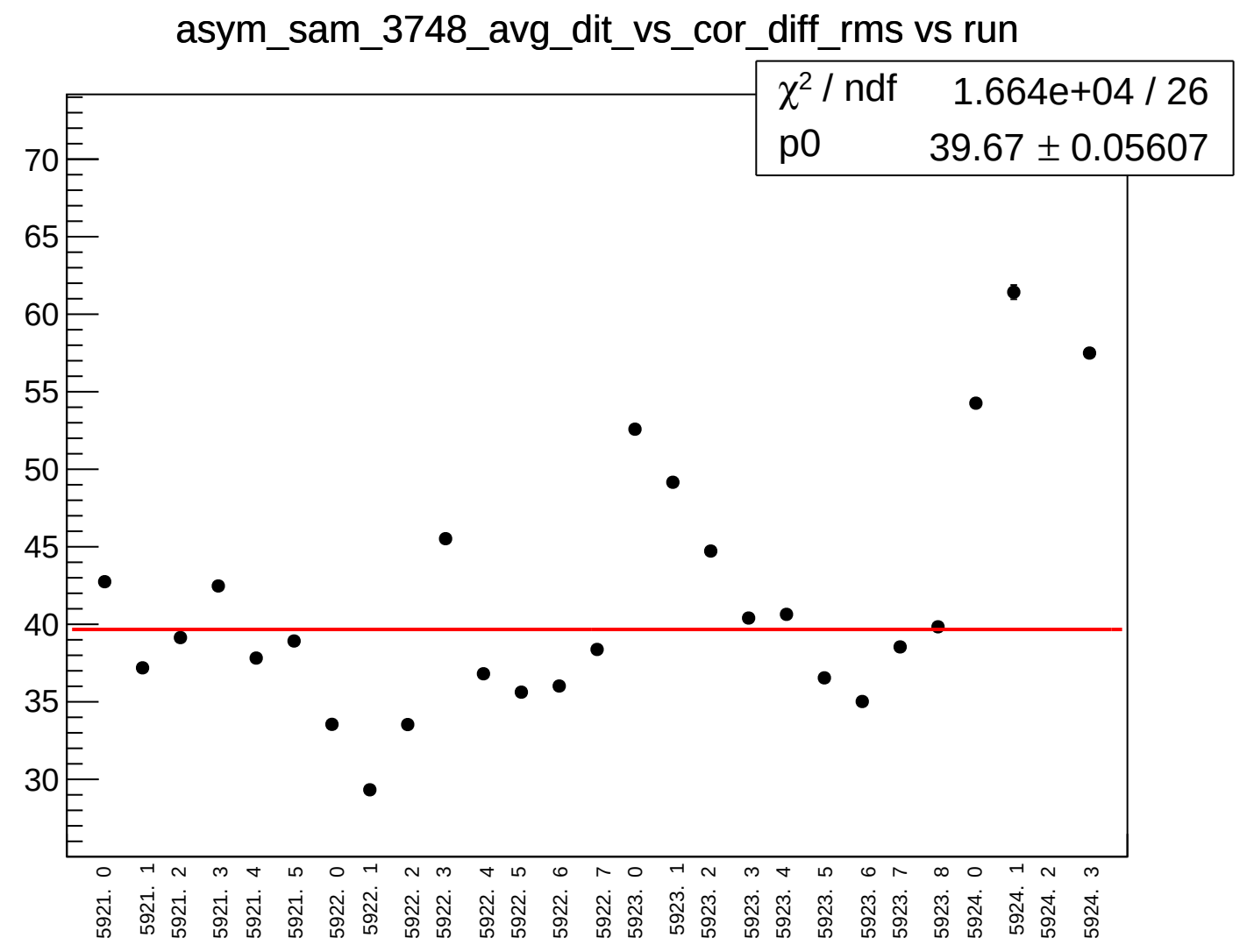

asym_sam_3748_avg_rms vs run
χ² / ndf 563.1 / 26
p0 1321 ± 1.838
1450
1400
1350
1300
1250
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

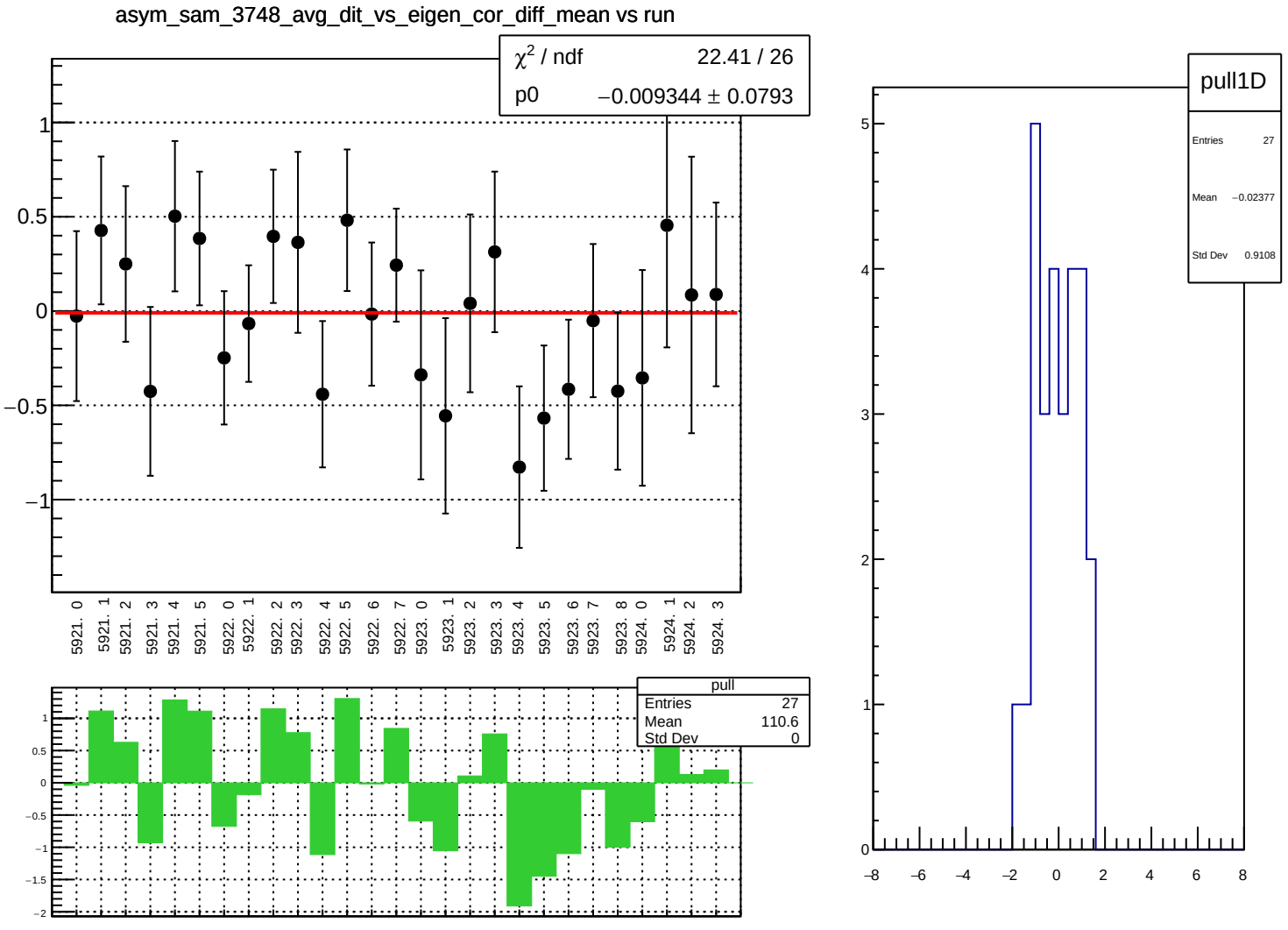

asym_sam_3748_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 26.25 / 26
p0 1.46e−13 ± 2.085e−13
0.0005
0
−0.0005
−0.001
−0.0015
−0.002
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 13.49
Std Dev 7.916
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

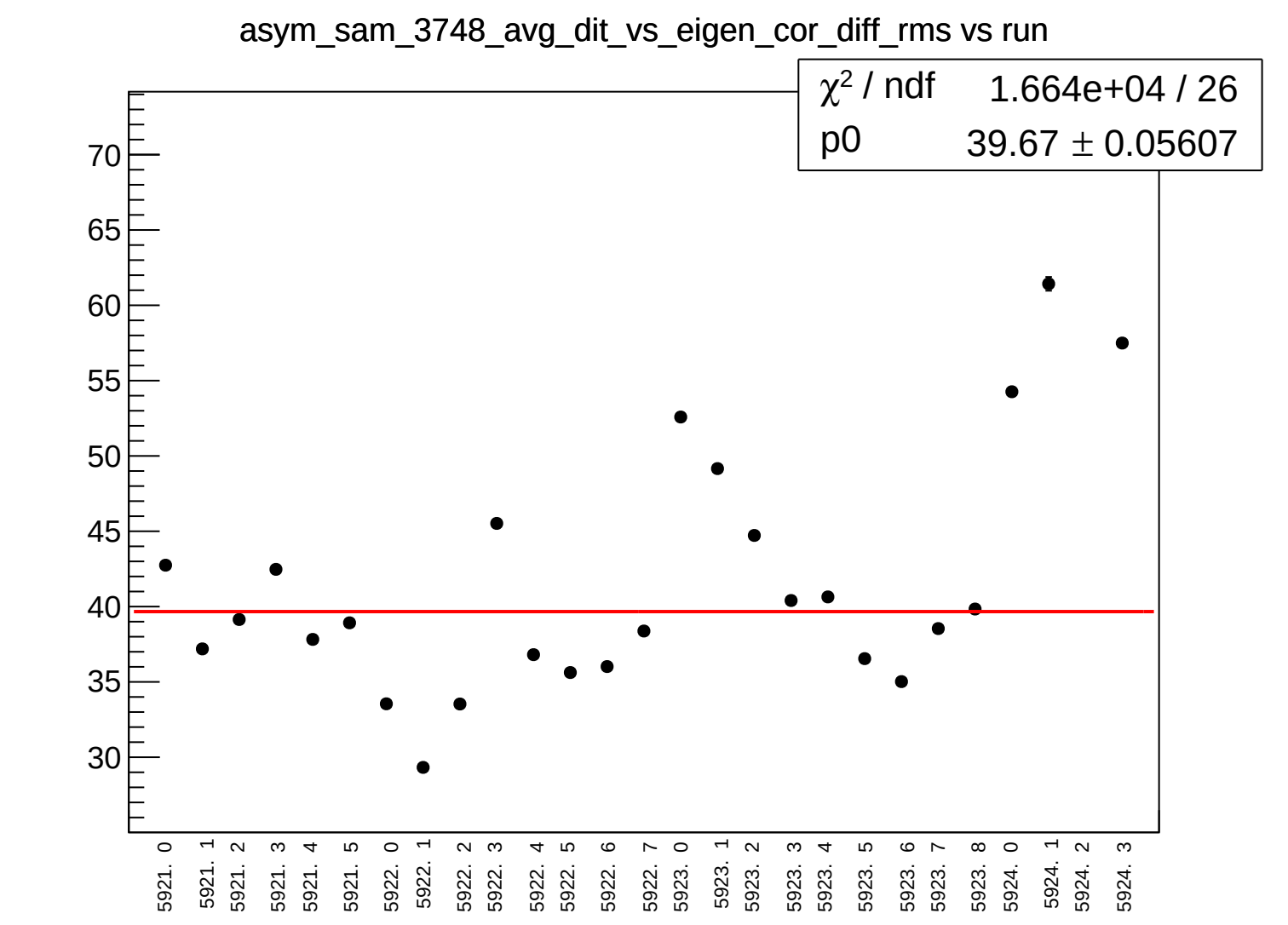

pull1D
Entries 27
Mean −0.1225
Std Dev 0.9784
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

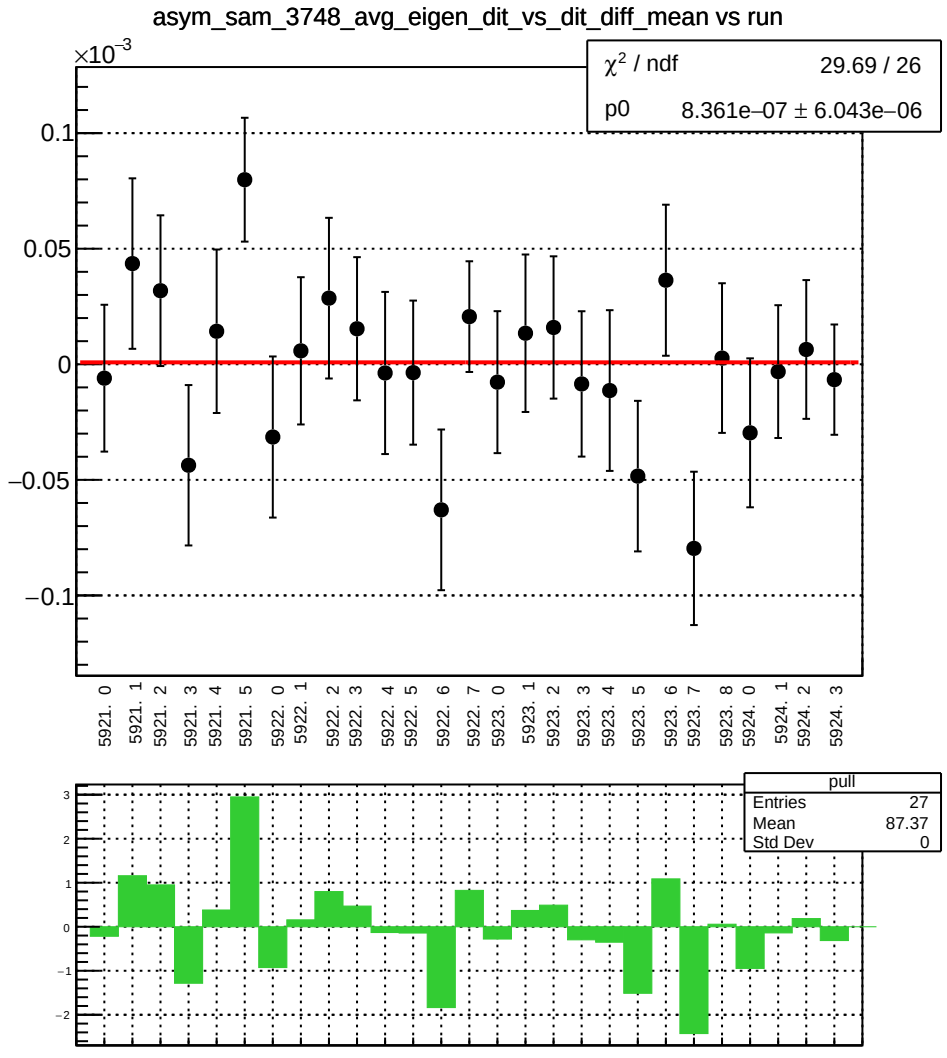

asym_sam_3748_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.15e+05 / 26
p0 6.627e−11 ± 1.474e−13
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

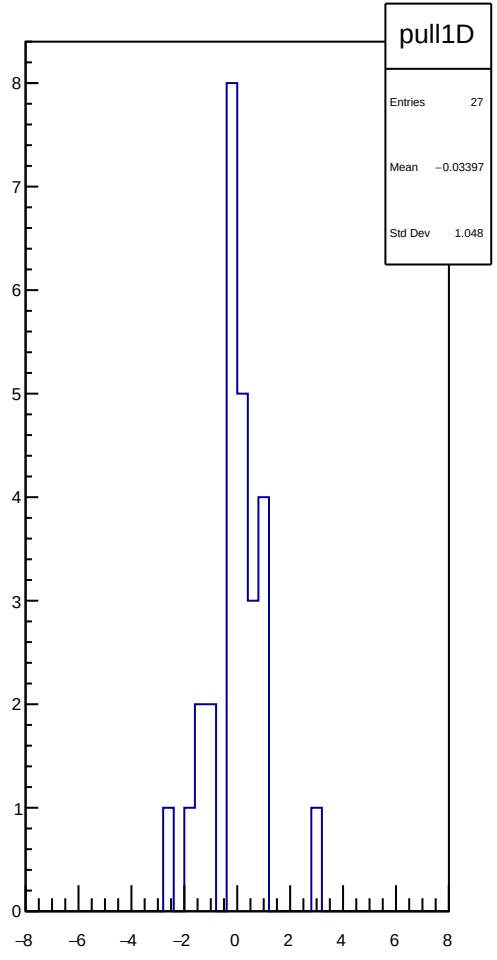

asym_sam_3748_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 22.41 / 26
p0 −0.009344 ± 0.0793
1
0.5
0
−0.5
−1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 110.6
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.02377
Std Dev 0.9108
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

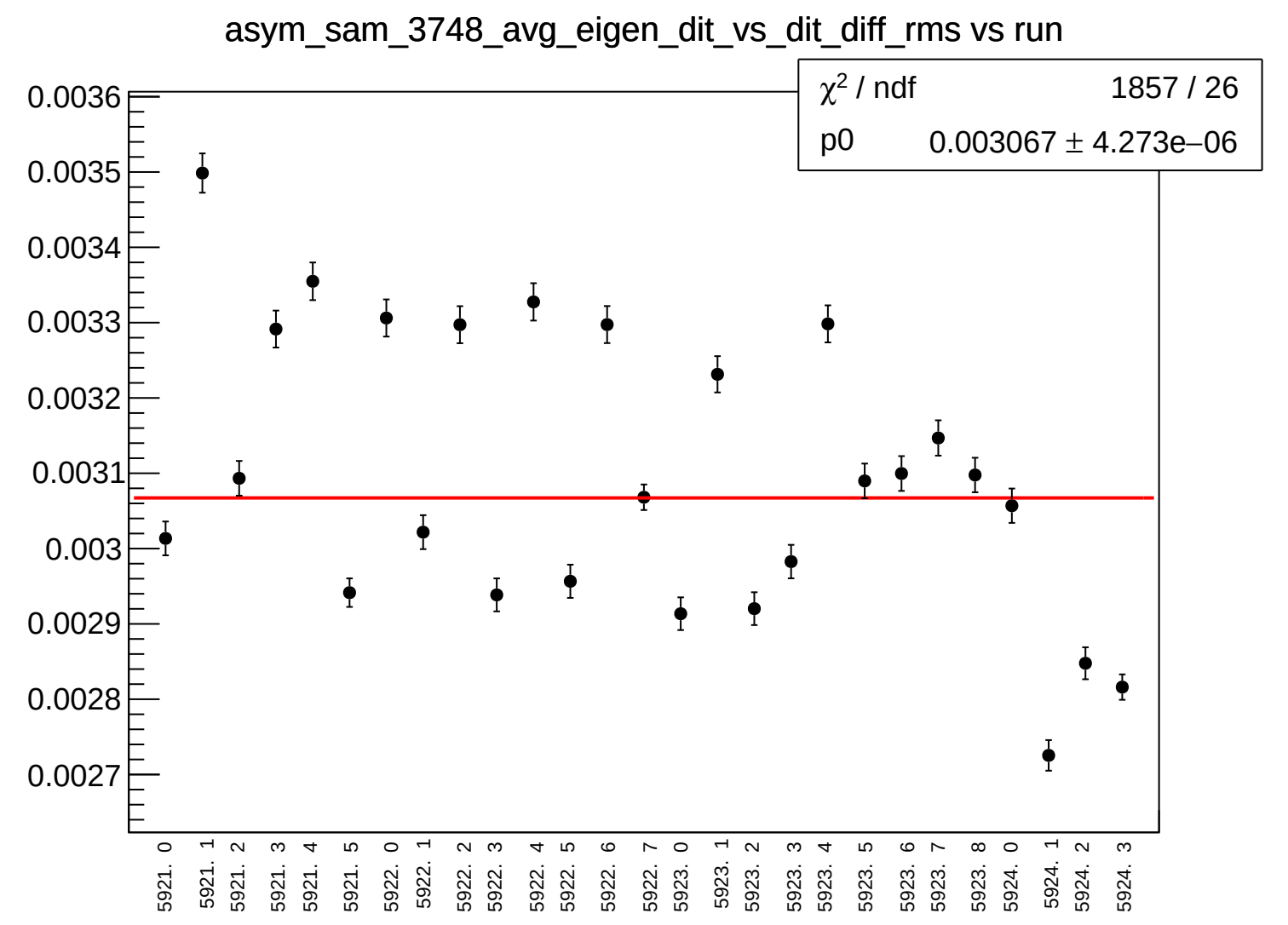

asym_sam_3748_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.664e+04 / 26
p0 39.67 ± 0.05607
70
65
60
55
50
45
40
35
30
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

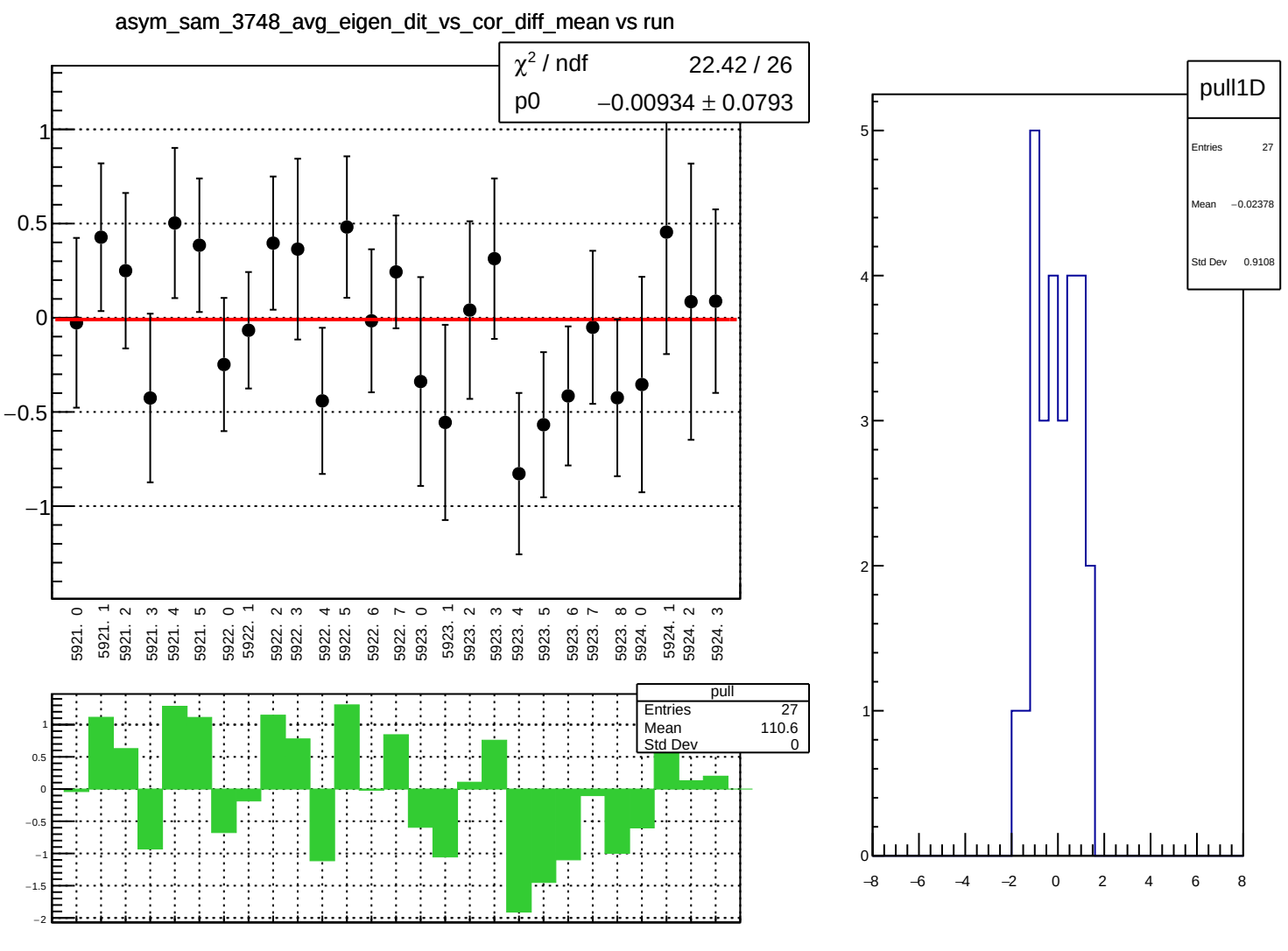

asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 22.41 / 26
p0 −0.009344 ± 0.0793
1
0.5
0
−0.5
−1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 110.6
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.02377
Std Dev 0.9108
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

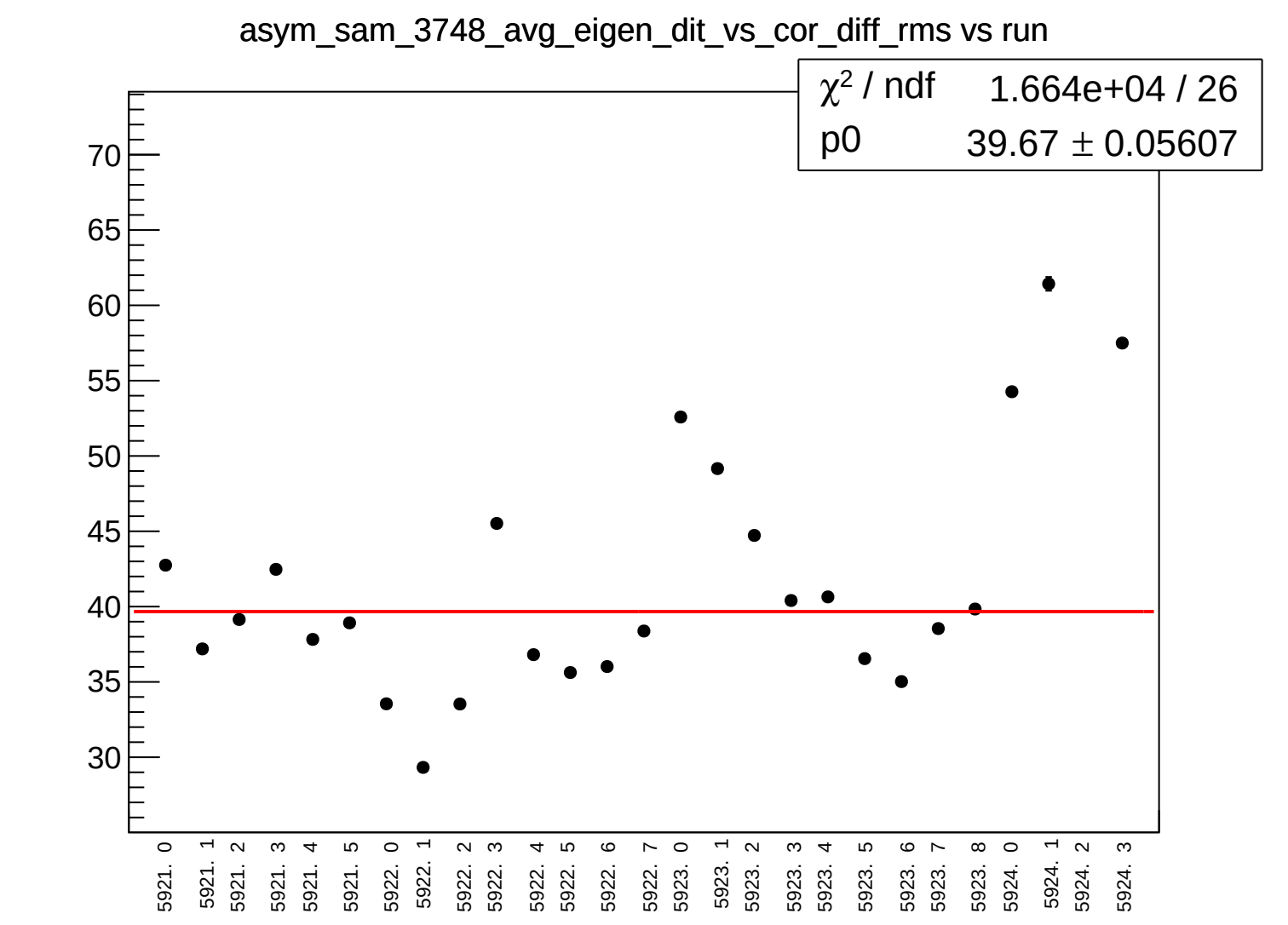

asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.664e+04 / 26
p0 39.67 ± 0.05607
70
65
60
55
50
45
40
35
30
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

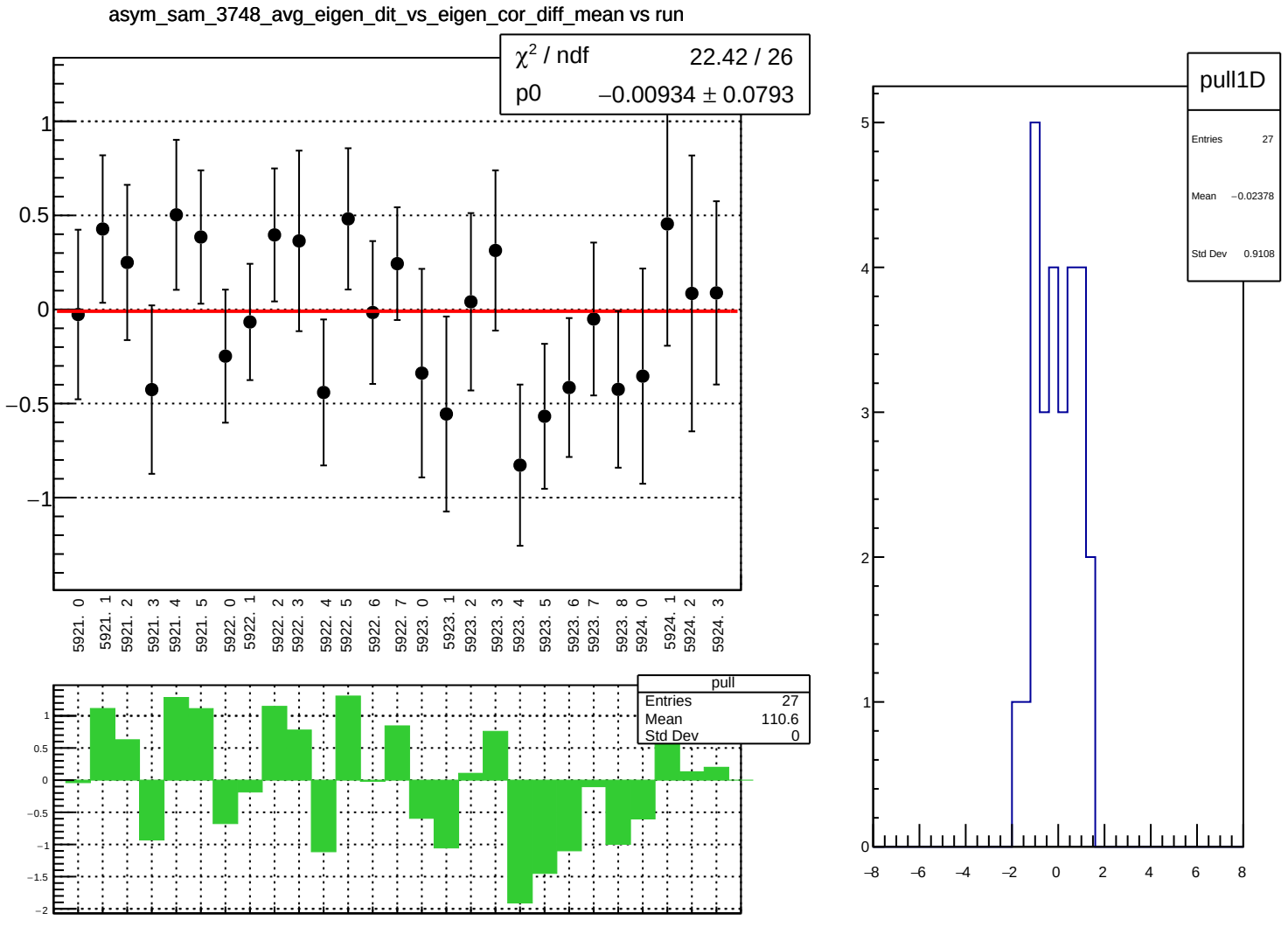

asym_sam_3748_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 29.69 / 26
p0 8.361e−07 ± 6.043e−06
0.1
0.05
0
−0.05
−0.1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 87.37
Std Dev 0
3
2
1
0
−1
−2

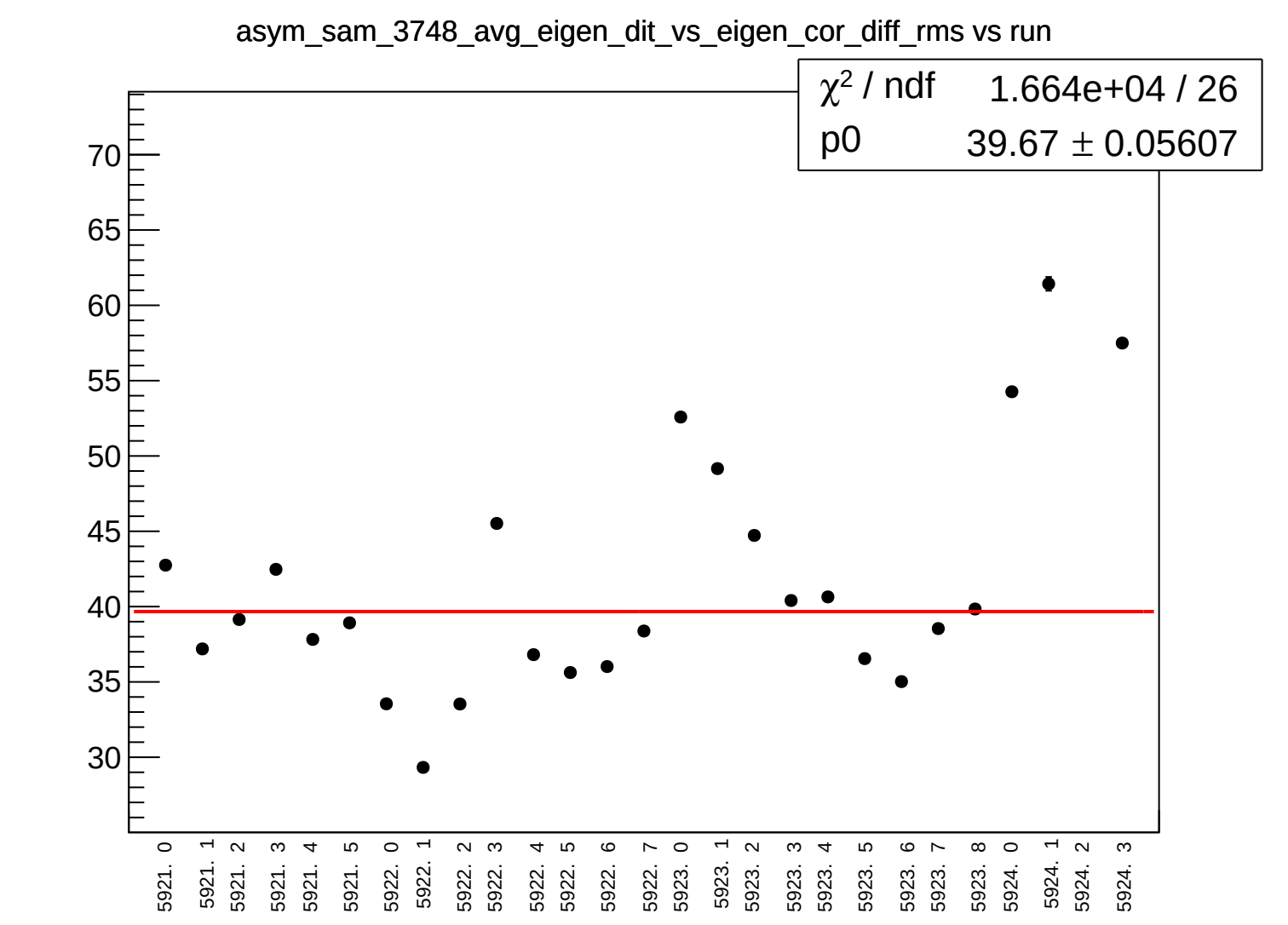

pull1D
Entries 27
Mean −0.03397
Std Dev 1.048
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

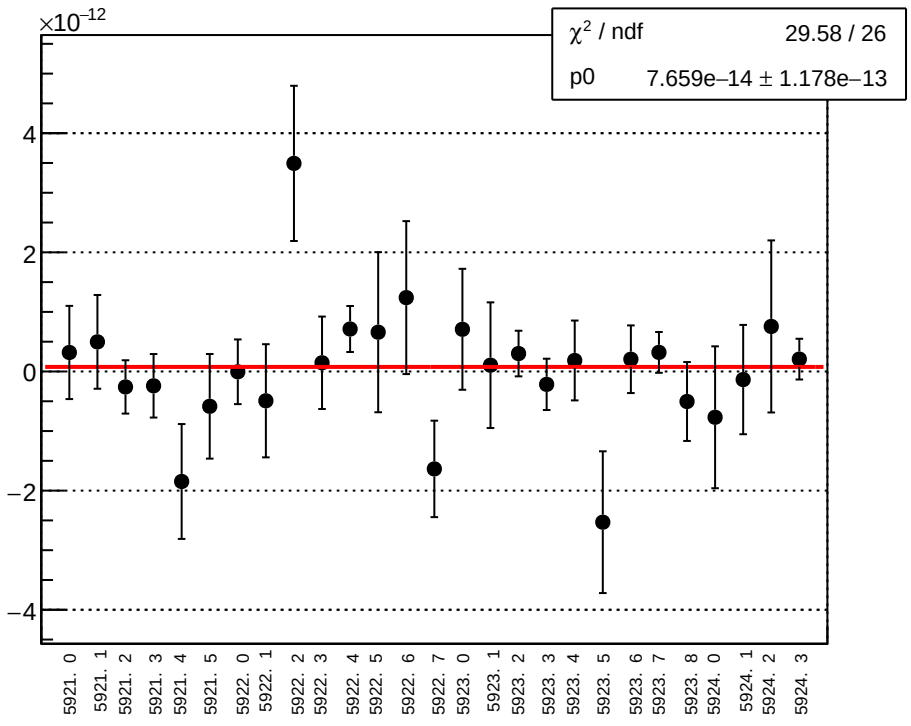

asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1857 / 26
p0 0.003067 ± 4.273e−06
0.0036
0.0035
0.0034
0.0033
0.0032
0.0031
0.003
0.0029
0.0028
0.0027
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

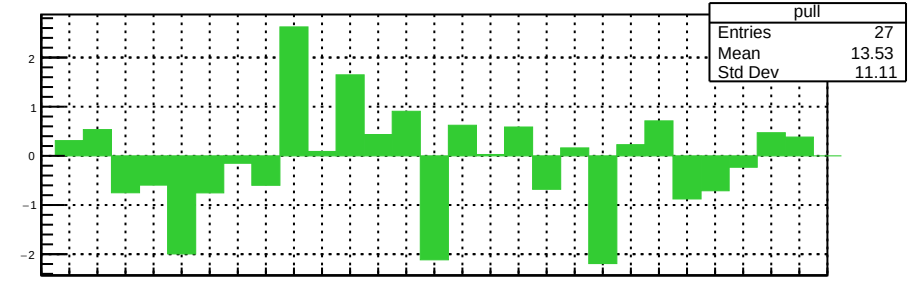

asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 22.42 / 26
p0 −0.00934 ± 0.0793
1
0.5
0
−0.5
−1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 110.6
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.02378
Std Dev 0.9108
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

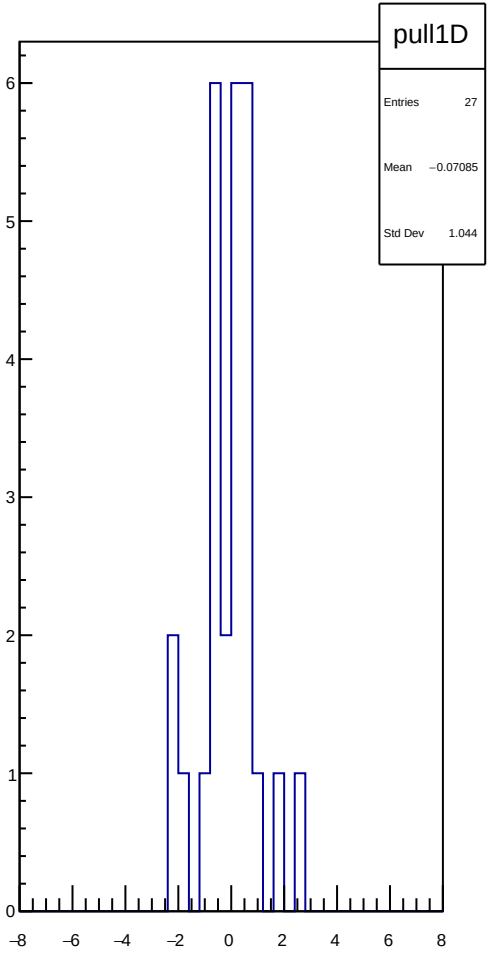

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.664e+04 / 26
p0 39.67 ± 0.05607
70
65
60
55
50
45
40
35
30
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

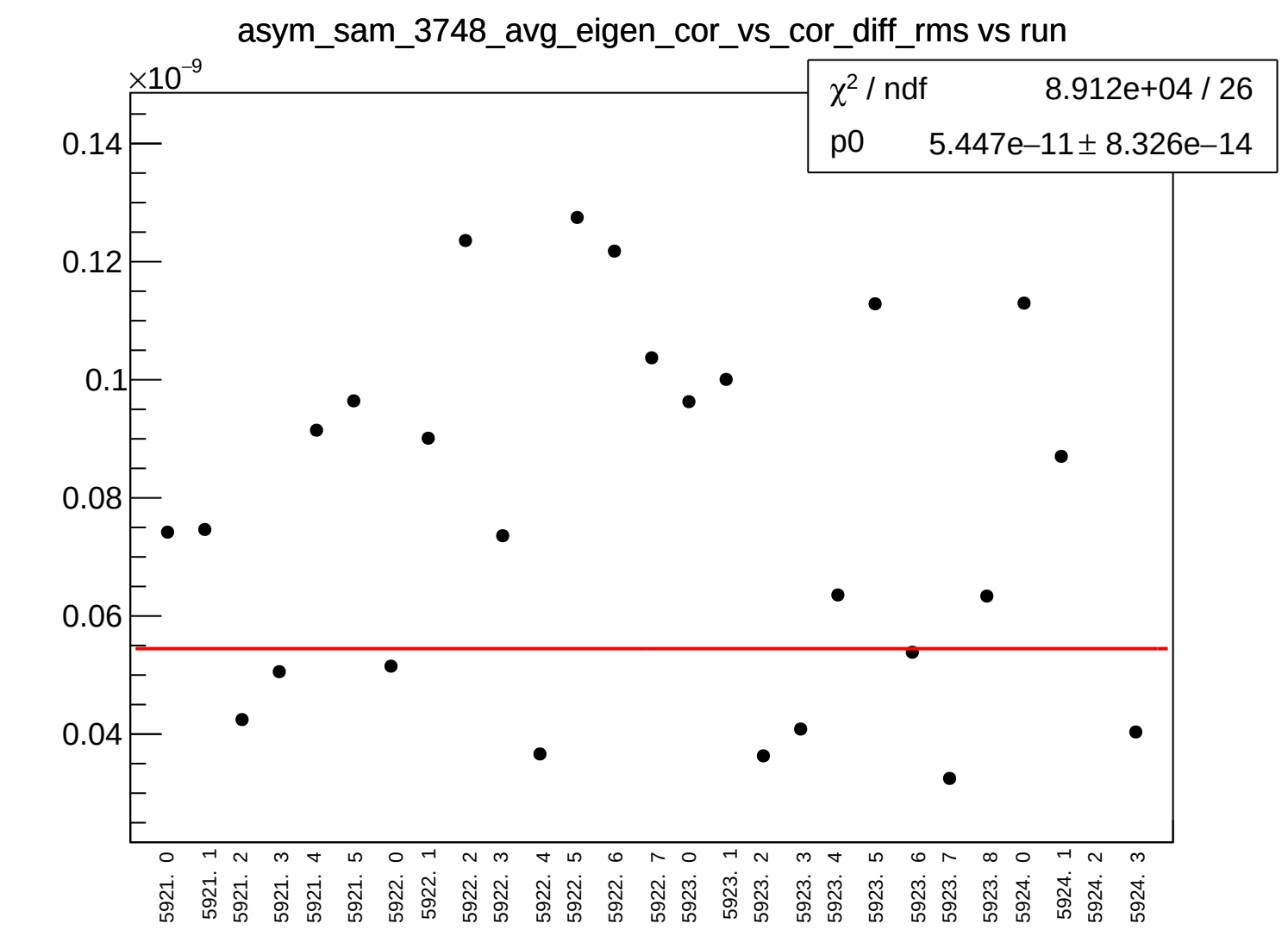

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 22.42 / 26
p0 −0.00934 ± 0.0793
1
0.5
0
−0.5
−1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 110.6
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.02378
Std Dev 0.9108
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

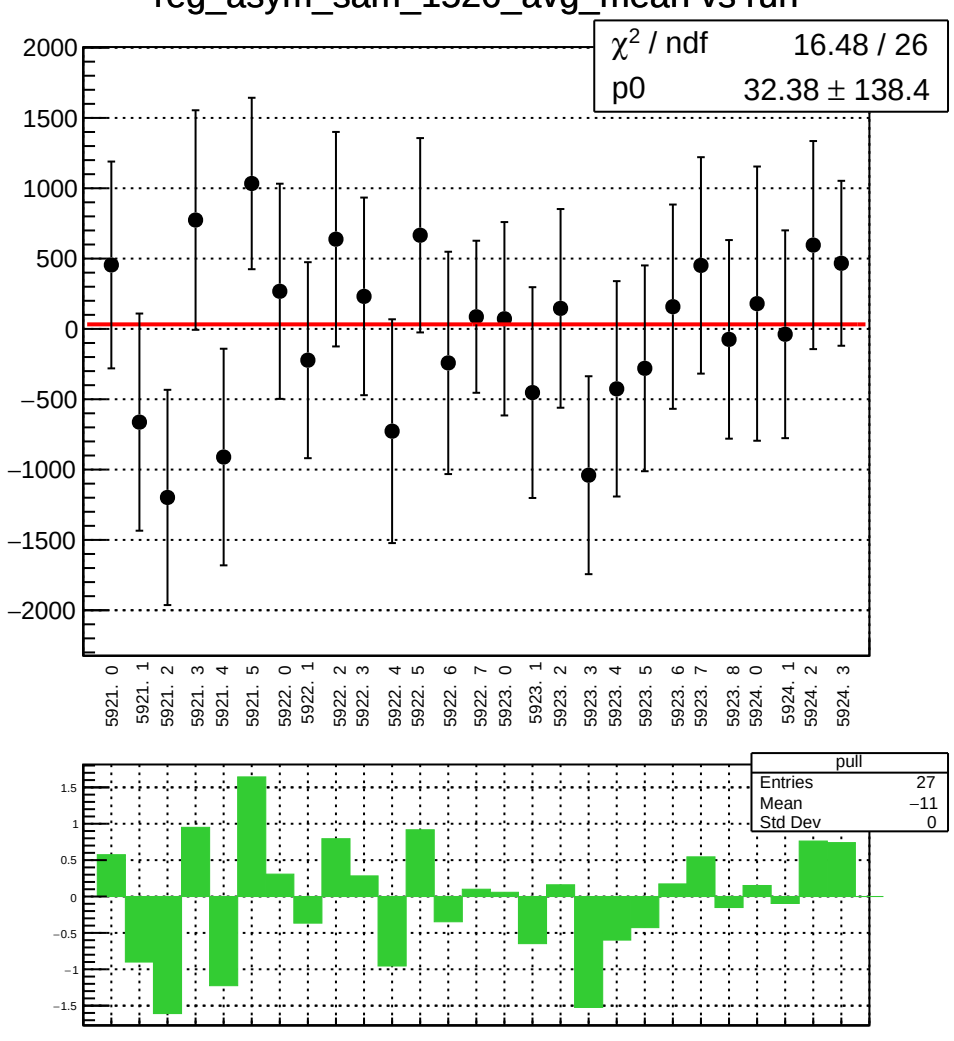

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.664e+04 / 26
p0 39.67 ± 0.05607
70
65
60
55
50
45
40
35
30
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

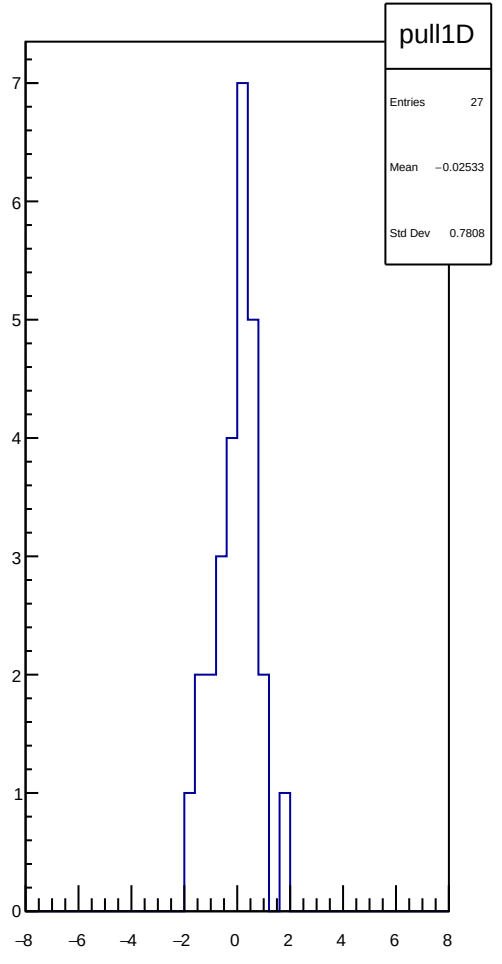

asym_sam_3748_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 29.58 / 26
p0 7.659e−14 ± 1.178e−13
4
2
0
−2
−4
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

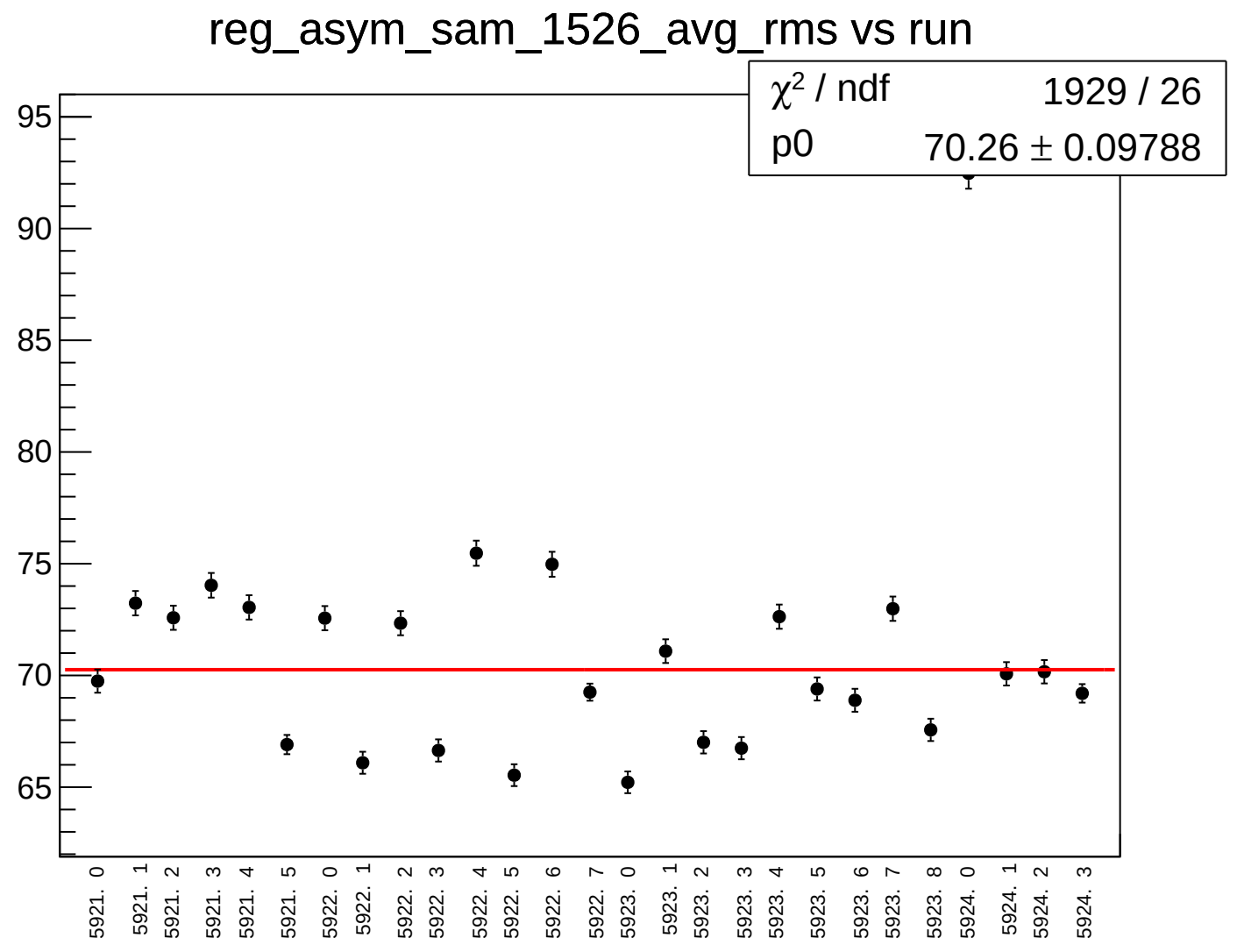

pull
Entries 27
Mean 13.53
Std Dev 11.11
2
1
0
−1
−2

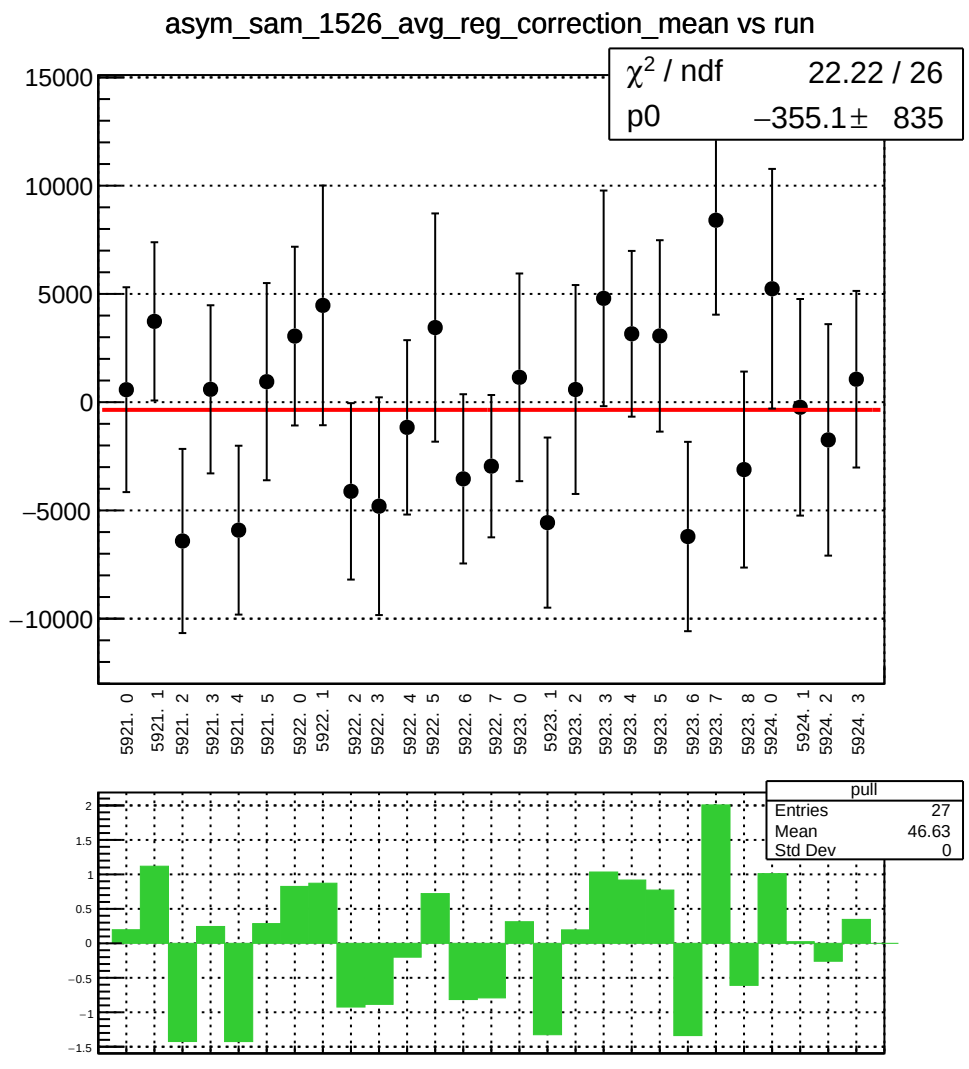

pull1D
Entries 27
Mean −0.07085
Std Dev 1.044
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

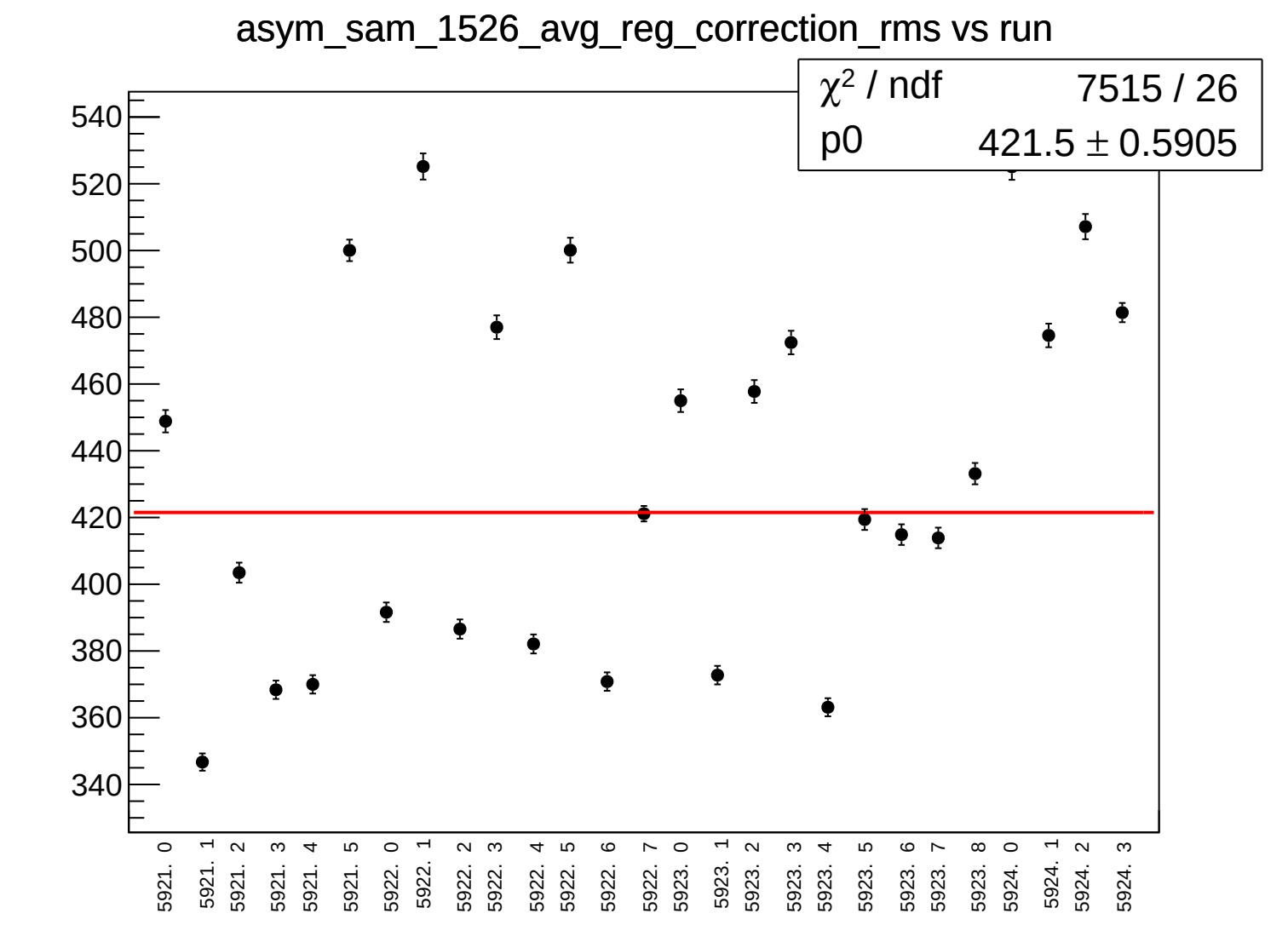

asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 8.912e+04 / 26
p0 5.447e−11 ± 8.326e−14
0.14
0.12
0.1
0.08
0.06
0.04
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


reg_asym_sam_1526_avg_mean vs run
χ² / ndf 16.48 / 26
p0 32.38 ± 138.4
2000
1500
1000
500
0
−500
−1000
−1500
−2000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −11
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 27
Mean −0.02533
Std Dev 0.7808
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam_1526_avg_rms vs run
χ² / ndf 1929 / 26
p0 70.26 ± 0.09788
95
90
85
80
75
70
65
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


asym_sam_1526_avg_reg_correction_mean vs run
χ² / ndf 22.22 / 26
p0 −355.1± 835
15000
10000
5000
0
−5000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 46.63
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.03297
Std Dev 0.9066
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_1526_avg_reg_correction_rms vs run
χ² / ndf 7515 / 26
p0 421.5 ± 0.5905
540
520
500
480
460
440
420
400
380
360
340
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
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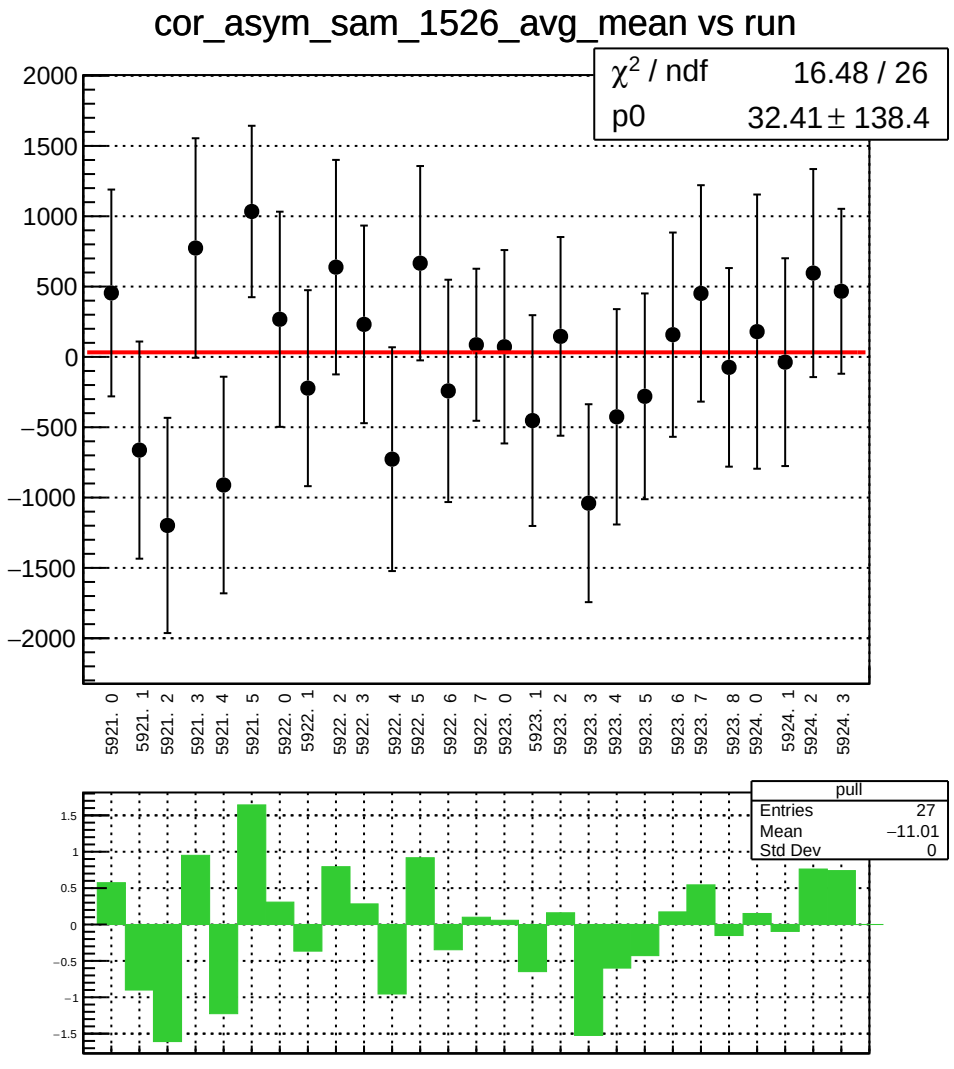
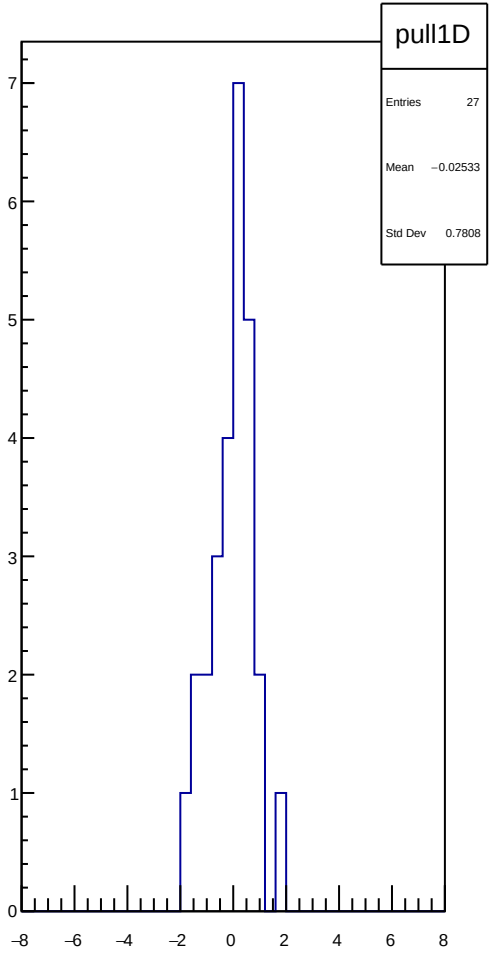
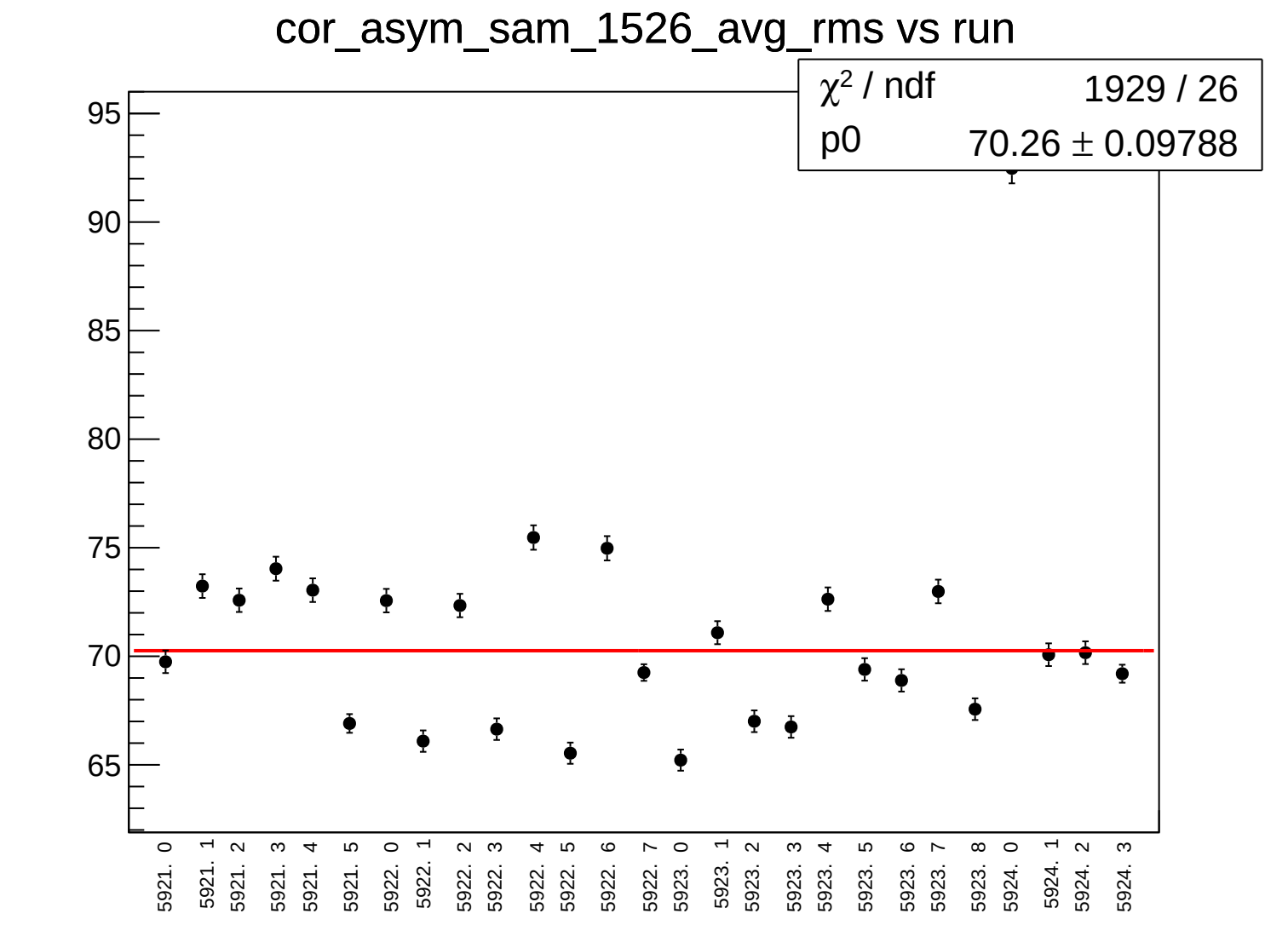
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


cor_asym_sam_1526_avg_mean vs run
χ² / ndf 16.48 / 26
p0 32.41 ± 138.4
2000
1500
1000
500
0
−500
−1000
−1500
−2000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −11.01
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 27
Mean −0.02533
Std Dev 0.7808
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam_1526_avg_rms vs run
χ² / ndf 1929 / 26
p0 70.26 ± 0.09788
95
90
85
80
75
70
65
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
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5923. 7
5923. 8
5924. 0
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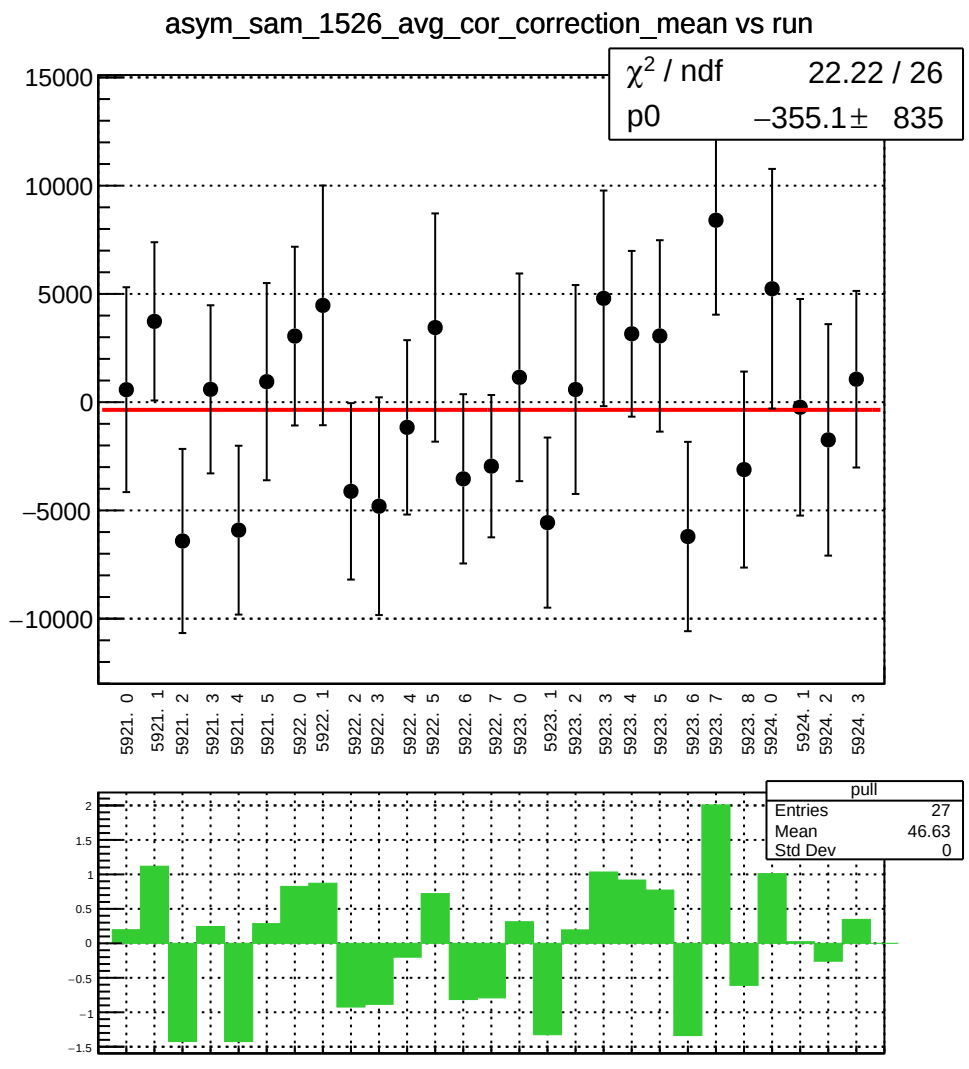
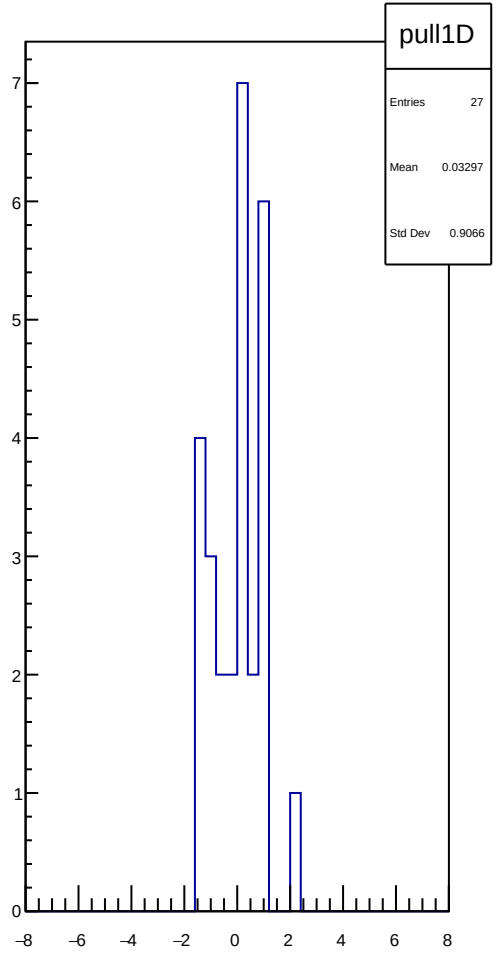
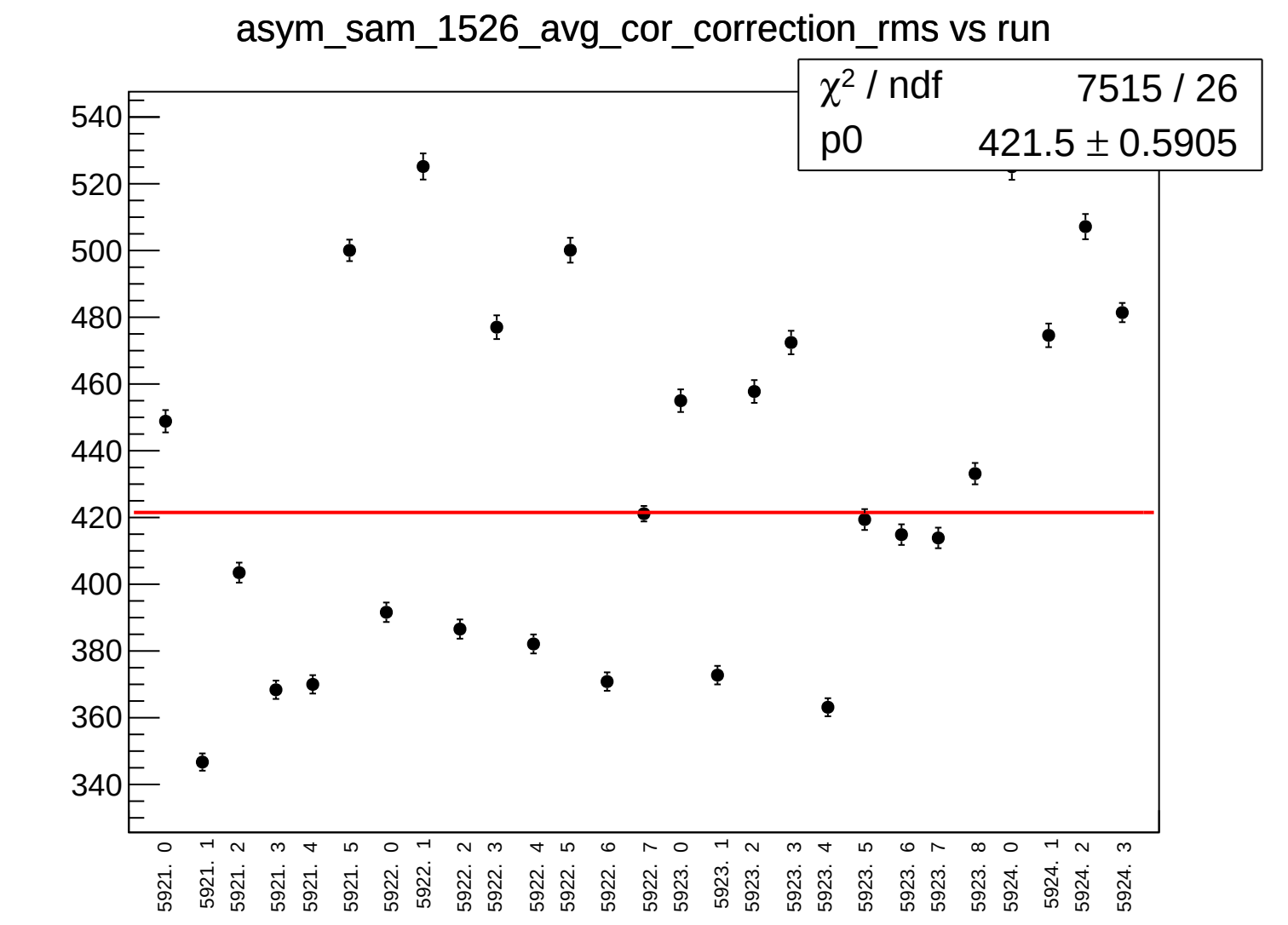
5924. 2
5924. 3


asym_sam_1526_avg_cor_correction_mean vs run
χ² / ndf 22.22 / 26
p0 −355.1± 835
15000
10000
5000
0
−5000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 46.63
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 27
Mean 0.03297
Std Dev 0.9066
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_1526_avg_cor_correction_rms vs run
χ² / ndf 7515 / 26
p0 421.5 ± 0.5905
540
520
500
480
460
440
420
400
380
360
340
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
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5923. 6
5923. 7
5923. 8
5924. 0
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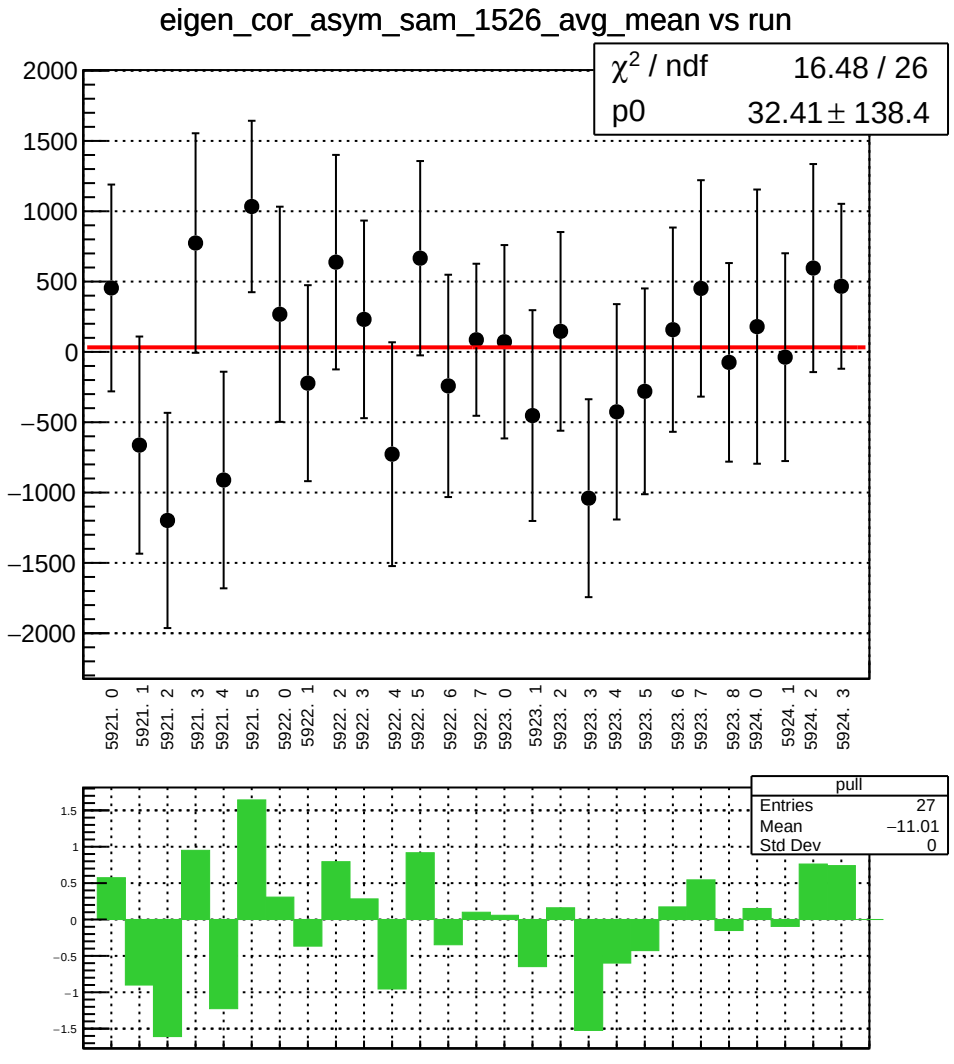
5924. 2
5924. 3


eigen_cor_asym_sam_1526_avg_mean vs run
χ² / ndf 16.48 / 26
p0 32.41 ± 138.4
2000
1500
1000
500
0
−500
−1000
−1500
−2000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
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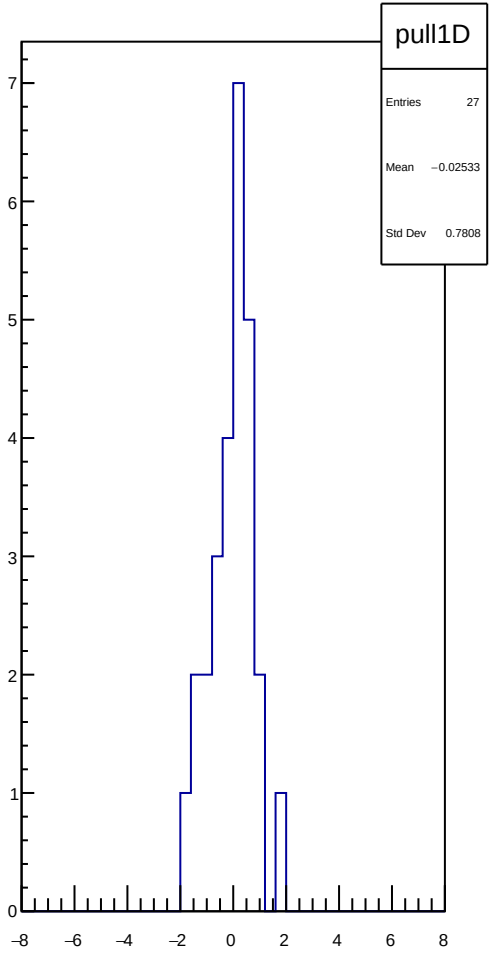
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −11.01
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
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Mean −0.02533
Std Dev 0.7808
7
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5
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1
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−4
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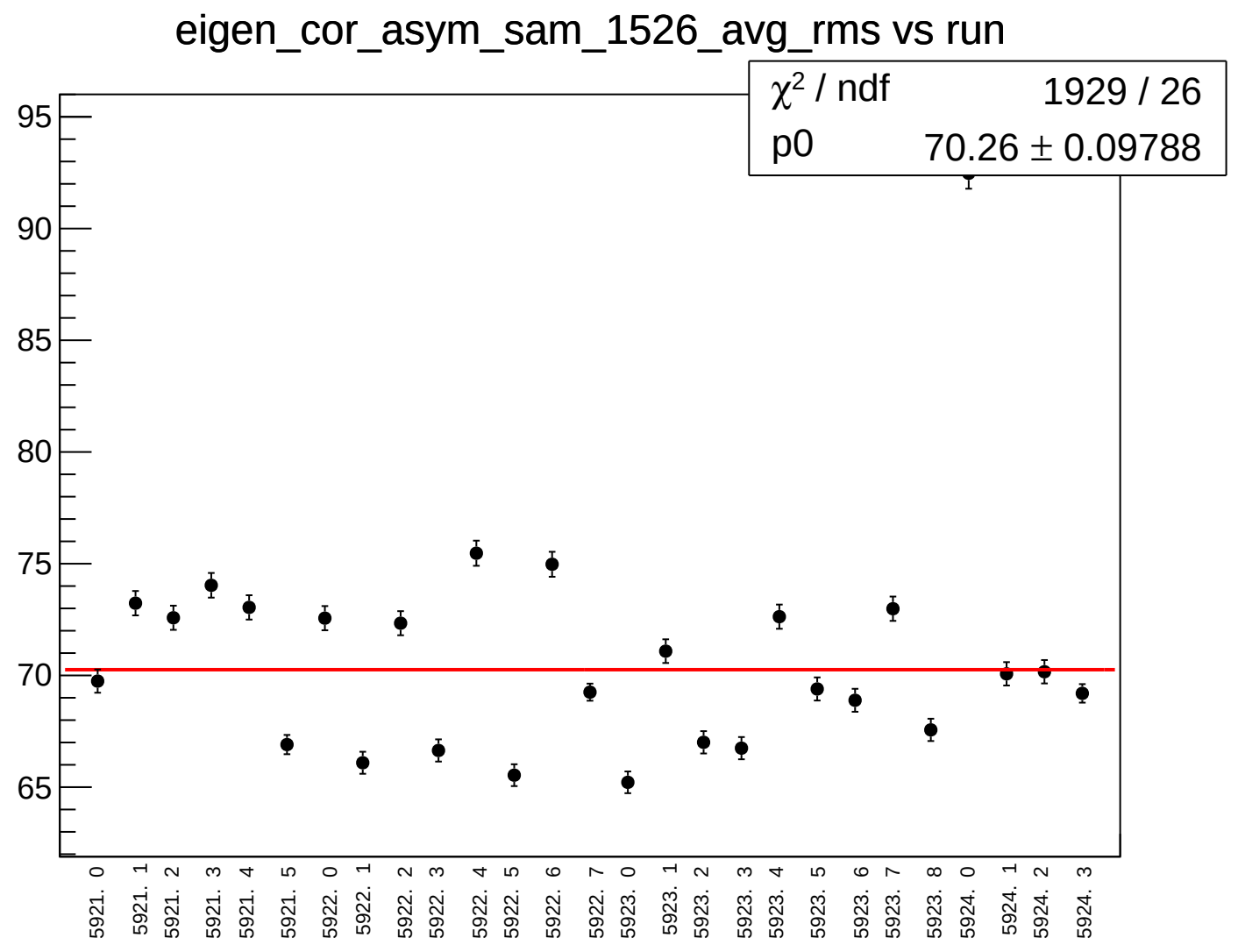
2
4
6
8


eigen_cor_asym_sam_1526_avg_rms vs run
χ² / ndf 1929 / 26
p0 70.26 ± 0.09788
95
90
85
80
75
70
65
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
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5923. 7
5923. 8
5924. 0
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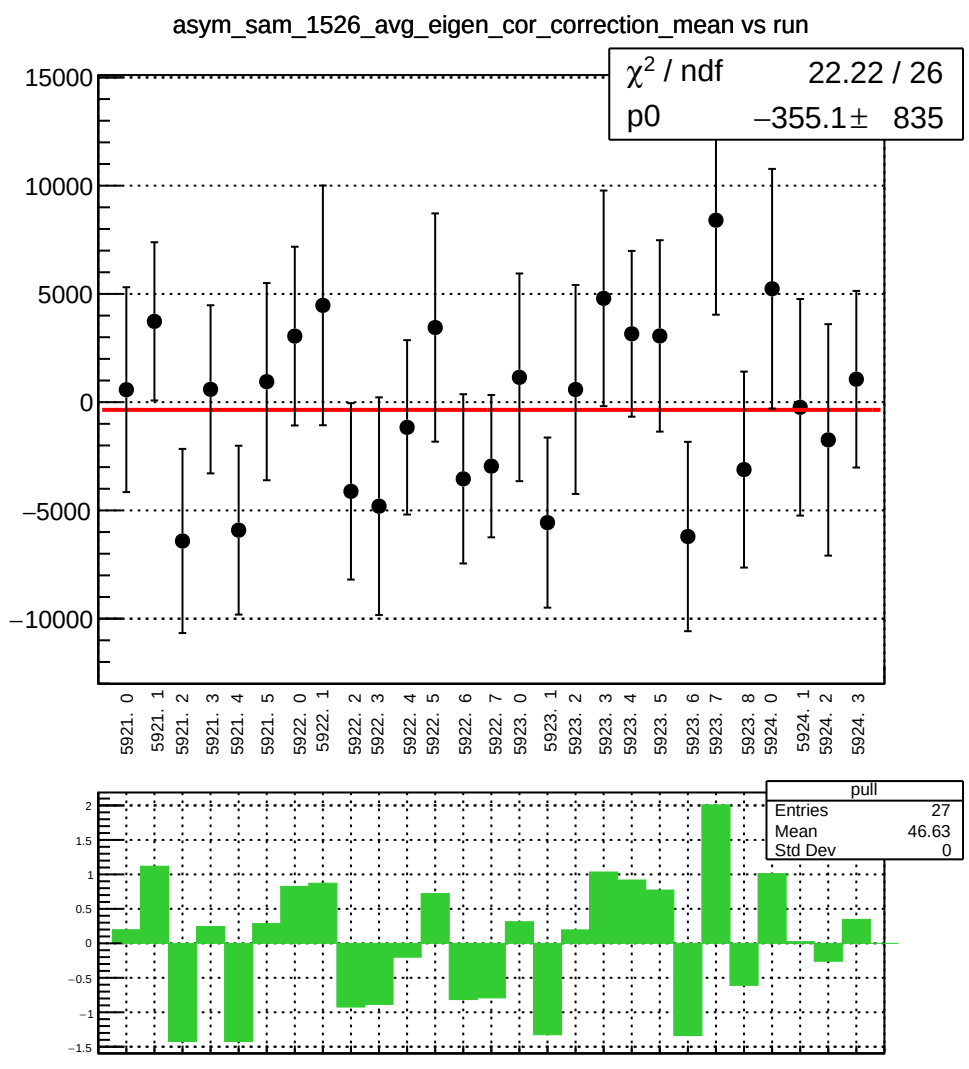
5924. 2
5924. 3


asym_sam_1526_avg_eigen_cor_correction_mean vs run
χ² / ndf 22.22 / 26
p0 −355.1± 835
15000
10000
5000
0
−5000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
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5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 46.63
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.03297
Std Dev 0.9066
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1
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−4
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2
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6
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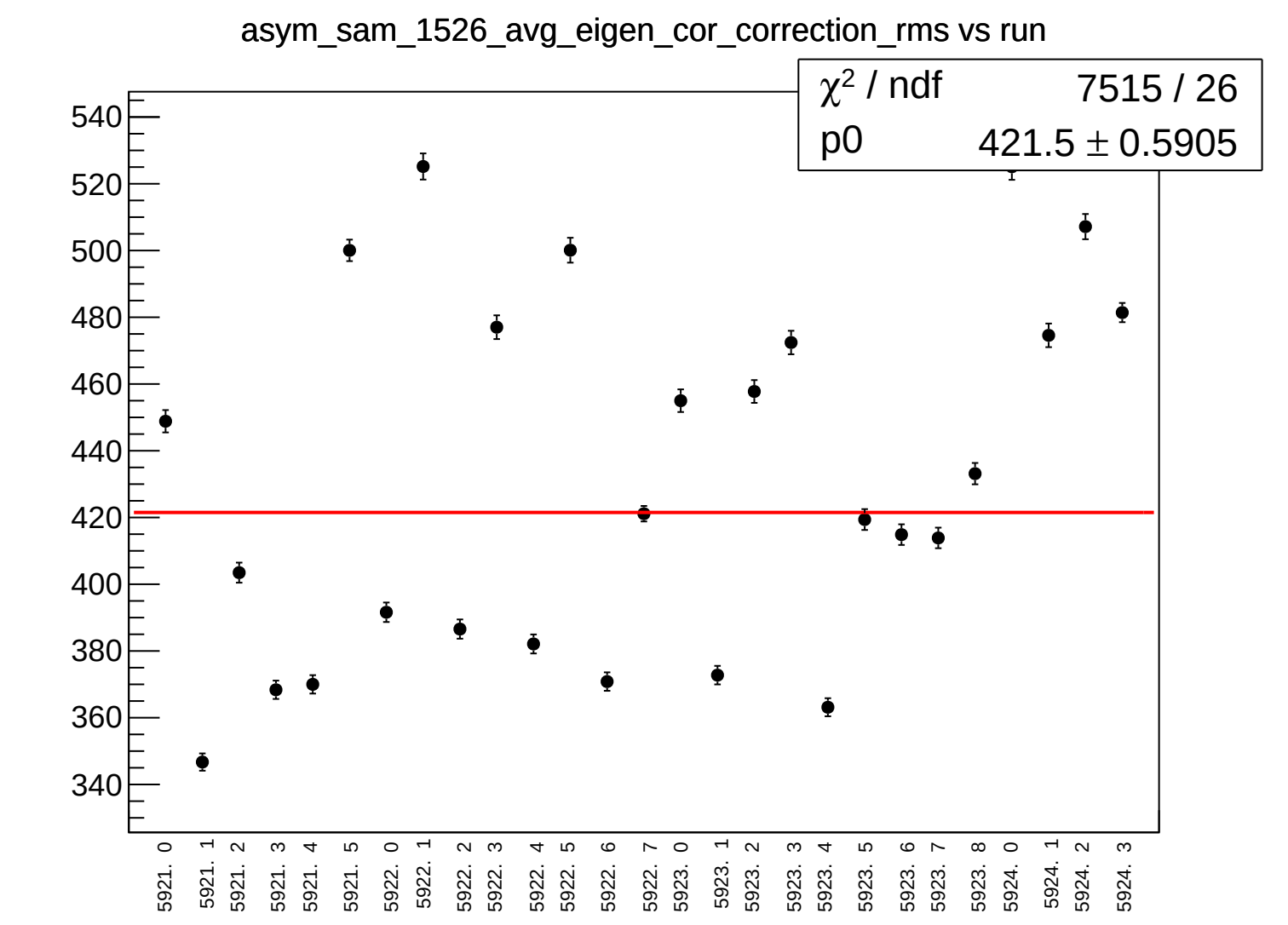
asym_sam_1526_avg_eigen_cor_correction_rms vs run
χ² / ndf 7515 / 26
p0 421.5 ± 0.5905
540
520
500
480
460
440
420
400
380
360
340
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
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5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
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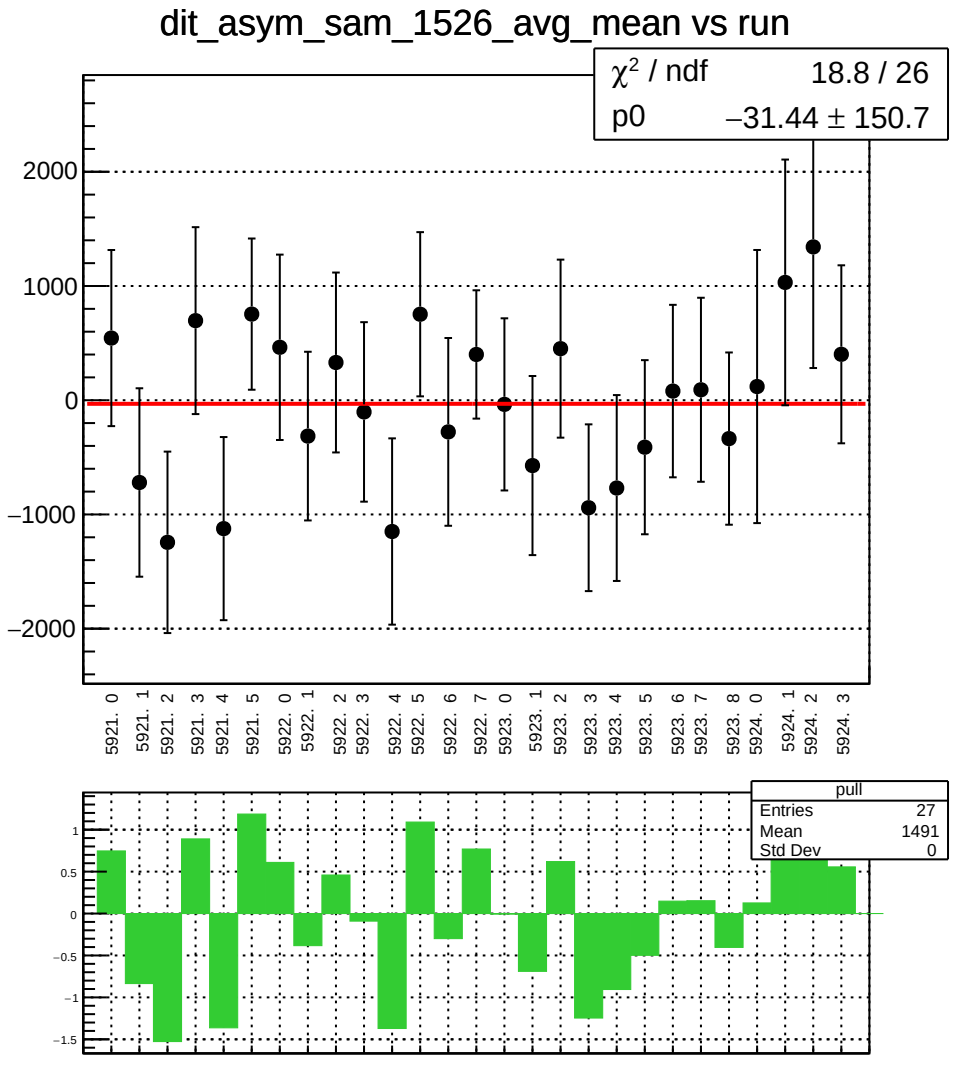
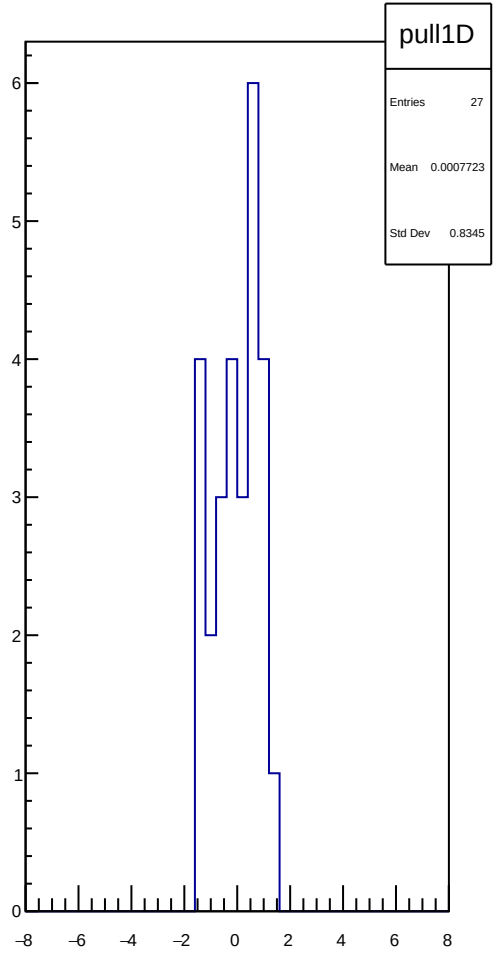
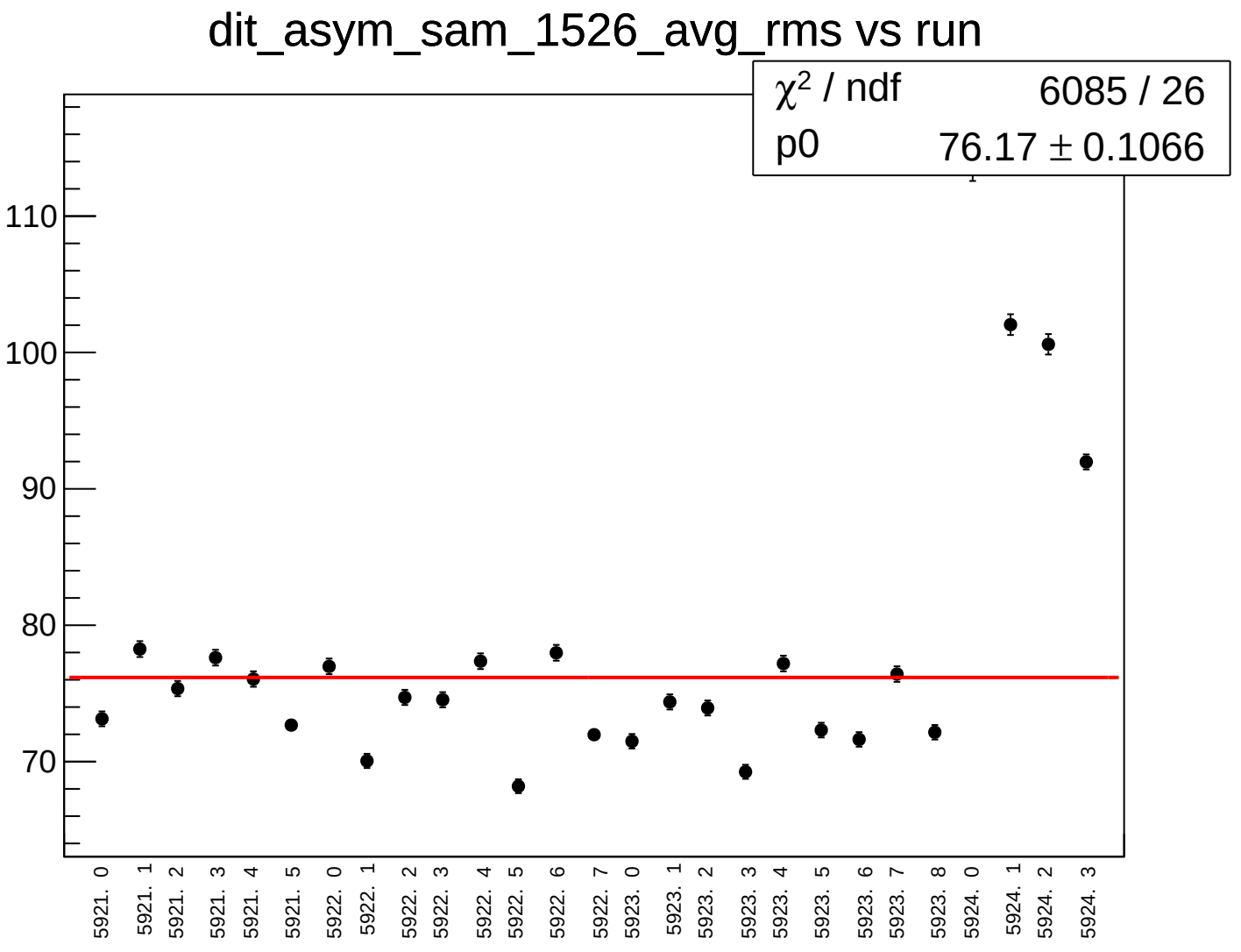
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


dit_asym_sam_1526_avg_mean vs run
χ² / ndf 18.8 / 26
p0 −31.44 ± 150.7
2000
1000
0
−1000
−2000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 1491
Std Dev 0
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 27
Mean 0.0007723
Std Dev 0.8345
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam_1526_avg_rms vs run
χ² / ndf 6085 / 26
p0 76.17 ± 0.1066
110
100
90
80
70
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
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5923. 6
5923. 7
5923. 8
5924. 0
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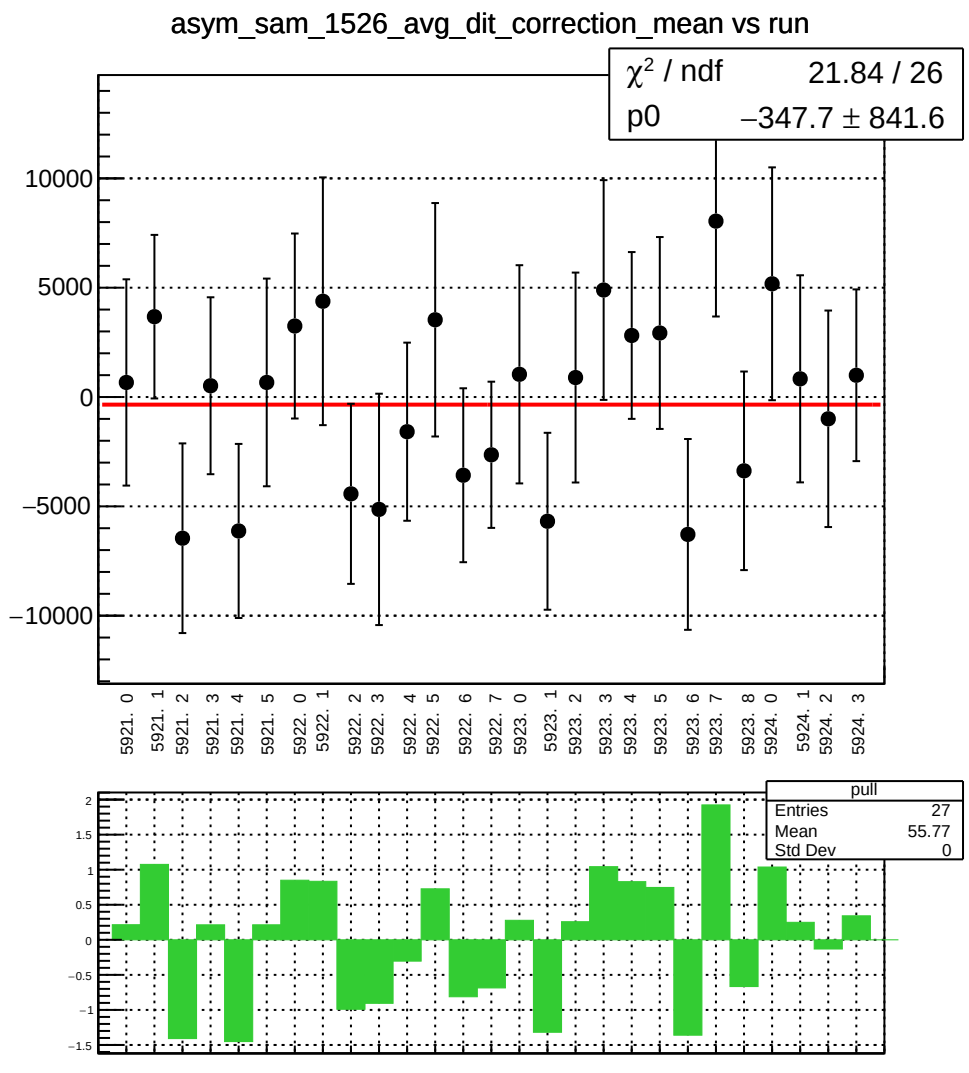
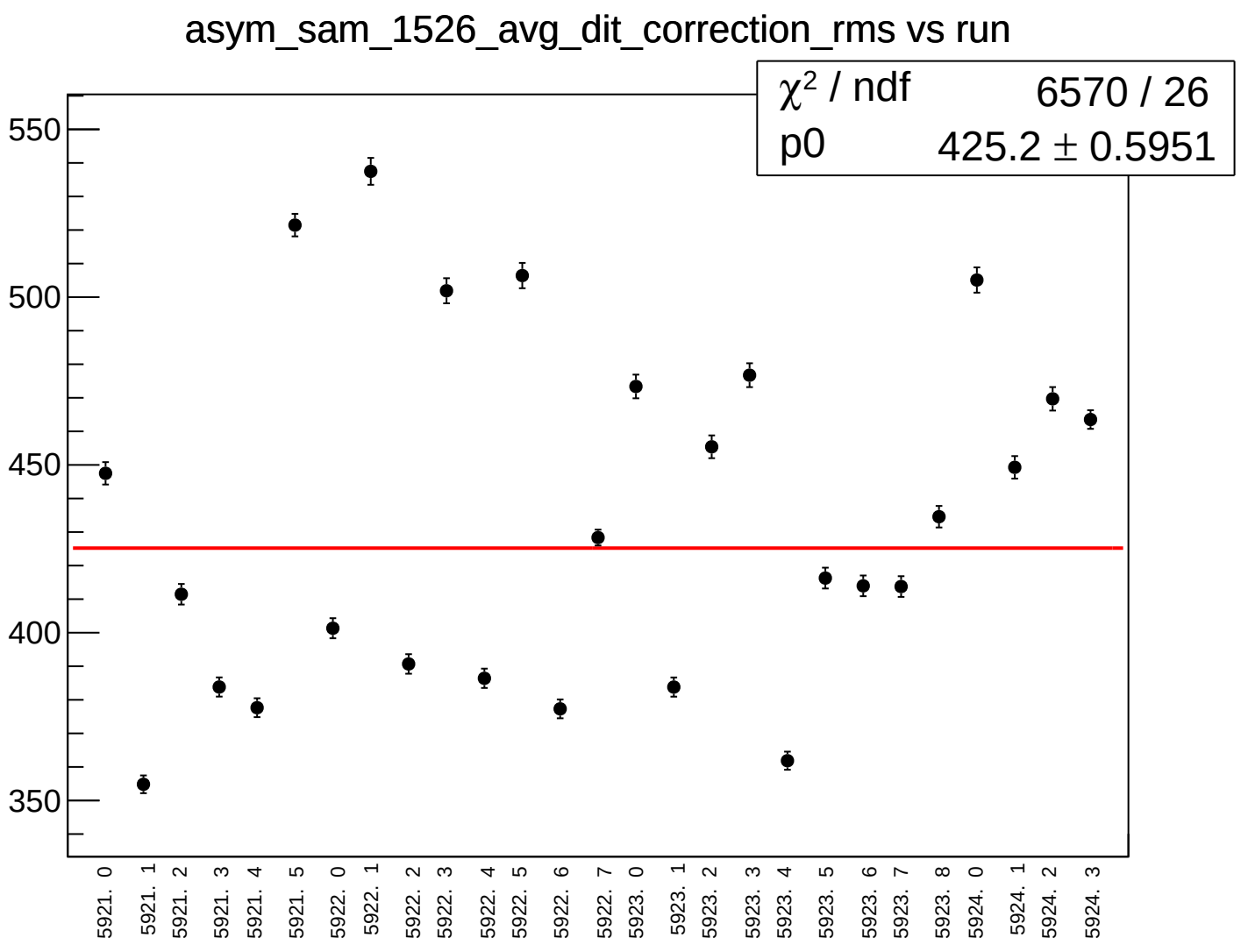
5924. 2
5924. 3


asym_sam_1526_avg_dit_correction_mean vs run
χ² / ndf 21.84 / 26
p0 −347.7 ± 841.6
10000
5000
0
−5000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 55.77
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.02978
Std Dev 0.8989
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_1526_avg_dit_correction_rms vs run
χ² / ndf 6570 / 26
p0 425.2 ± 0.5951
550
500
450
400
350
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
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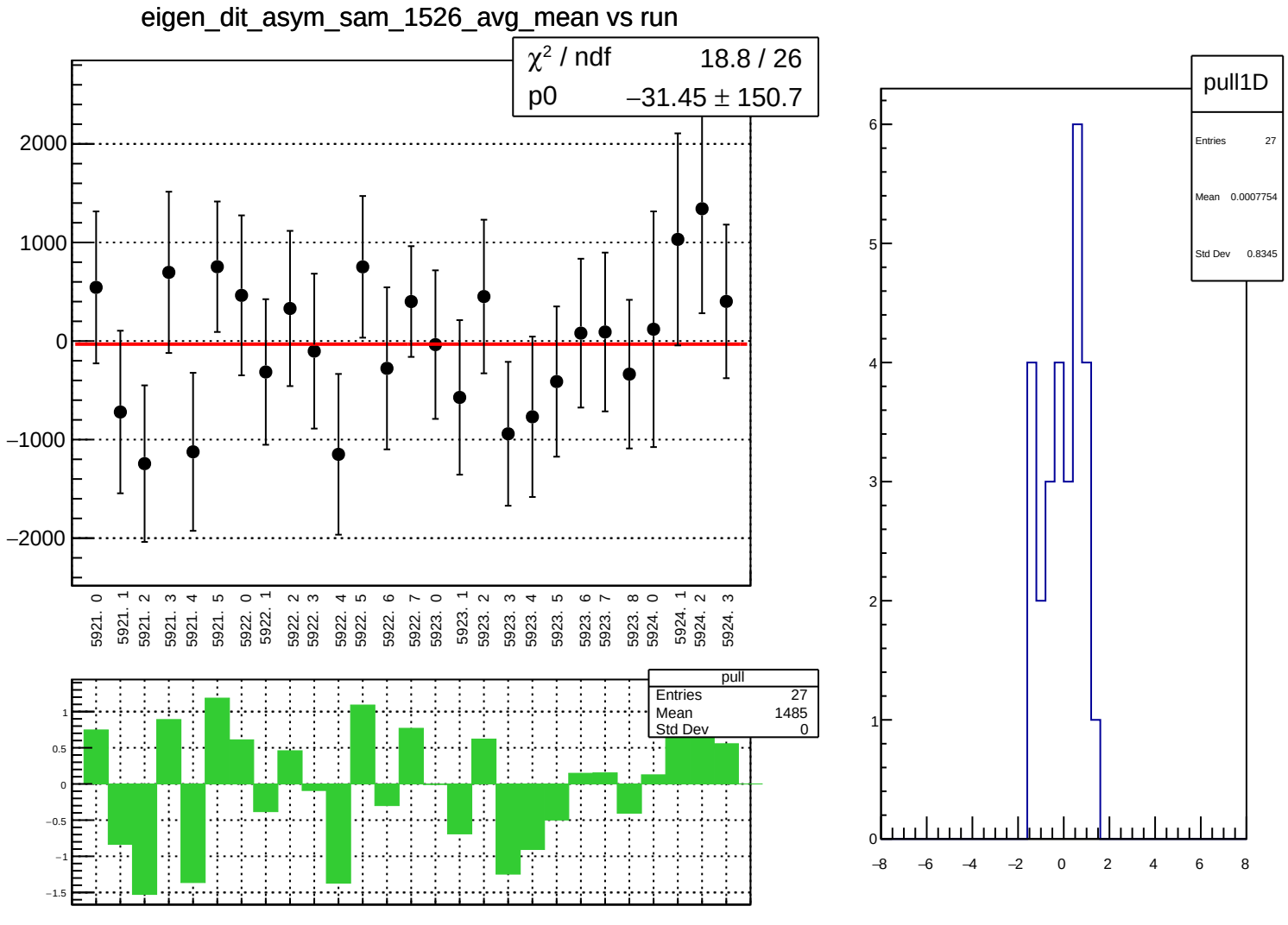
eigen_dit_asym_sam_1526_avg_mean vs run
χ² / ndf 18.8 / 26
p0 −31.45 ± 150.7
2000
1000
0
−1000
−2000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 1485
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.0007754
Std Dev 0.8345
6
5
4
3
2
1
0
−8
−6
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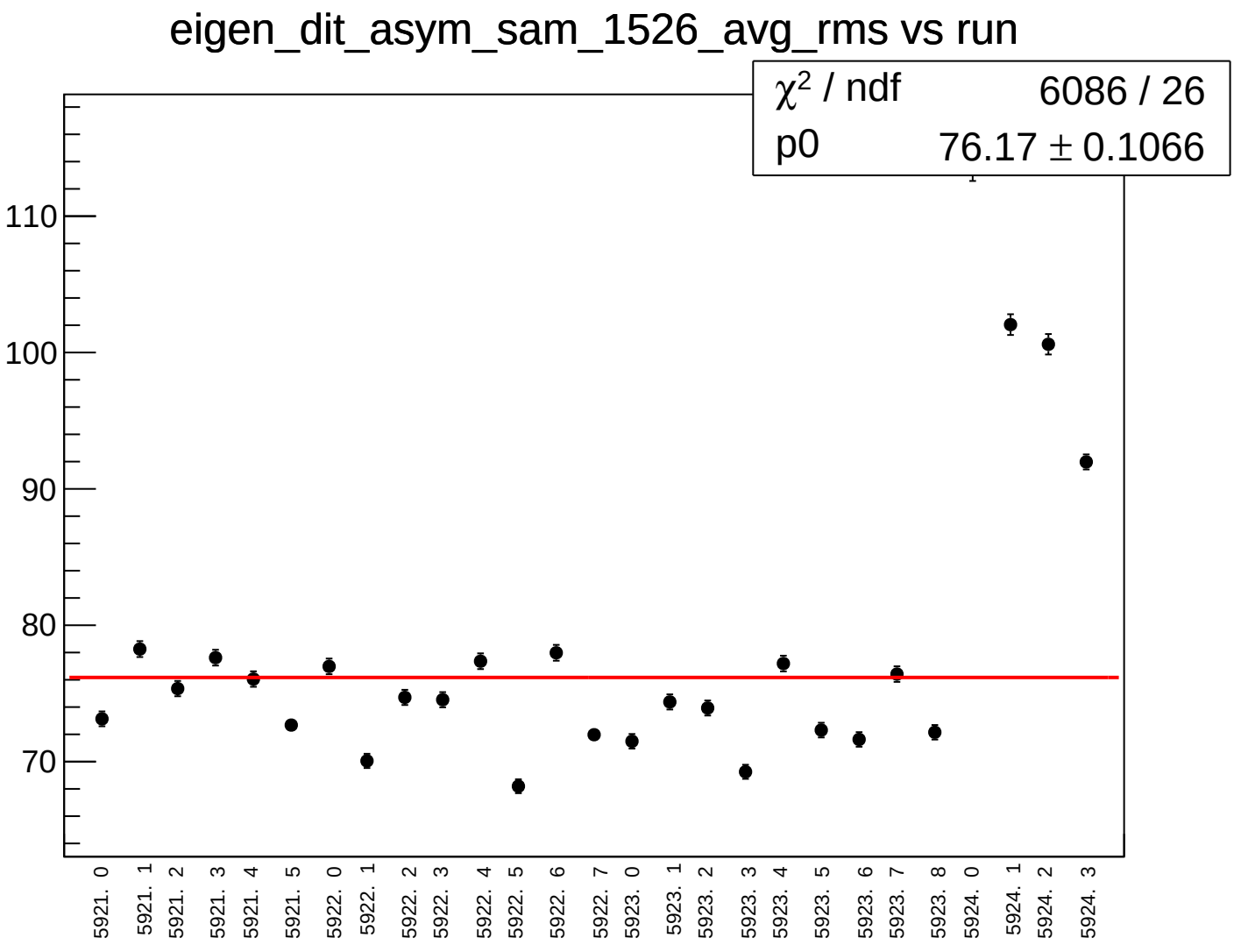
2
4
6
8


eigen_dit_asym_sam_1526_avg_rms vs run
χ² / ndf 6086 / 26
p0 76.17 ± 0.1066
110
100
90
80
70
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
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5923. 8
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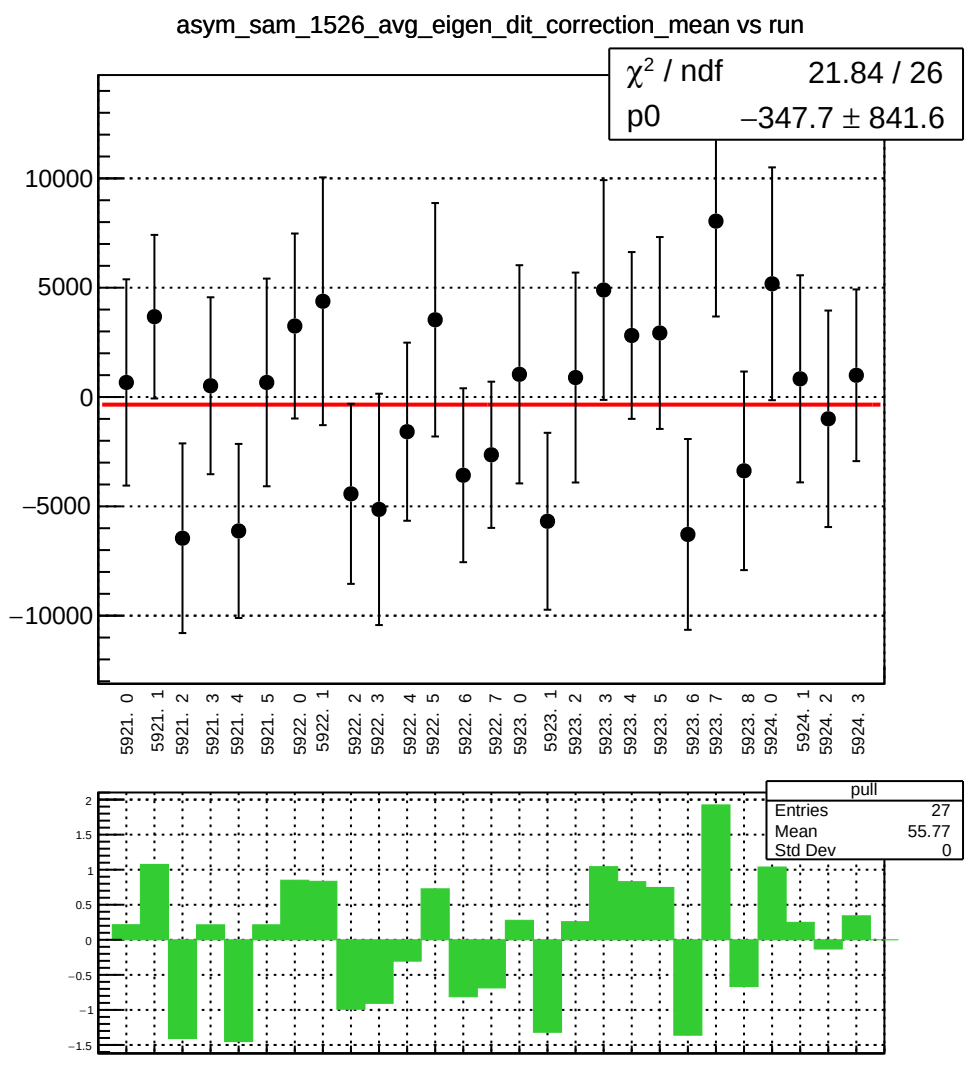
5924. 2
5924. 3


asym_sam_1526_avg_eigen_dit_correction_mean vs run
χ² / ndf 21.84 / 26
p0 −347.7 ± 841.6
10000
5000
0
−5000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 55.77
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.02978
Std Dev 0.8989
7
6
5
4
3
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1
0
−8
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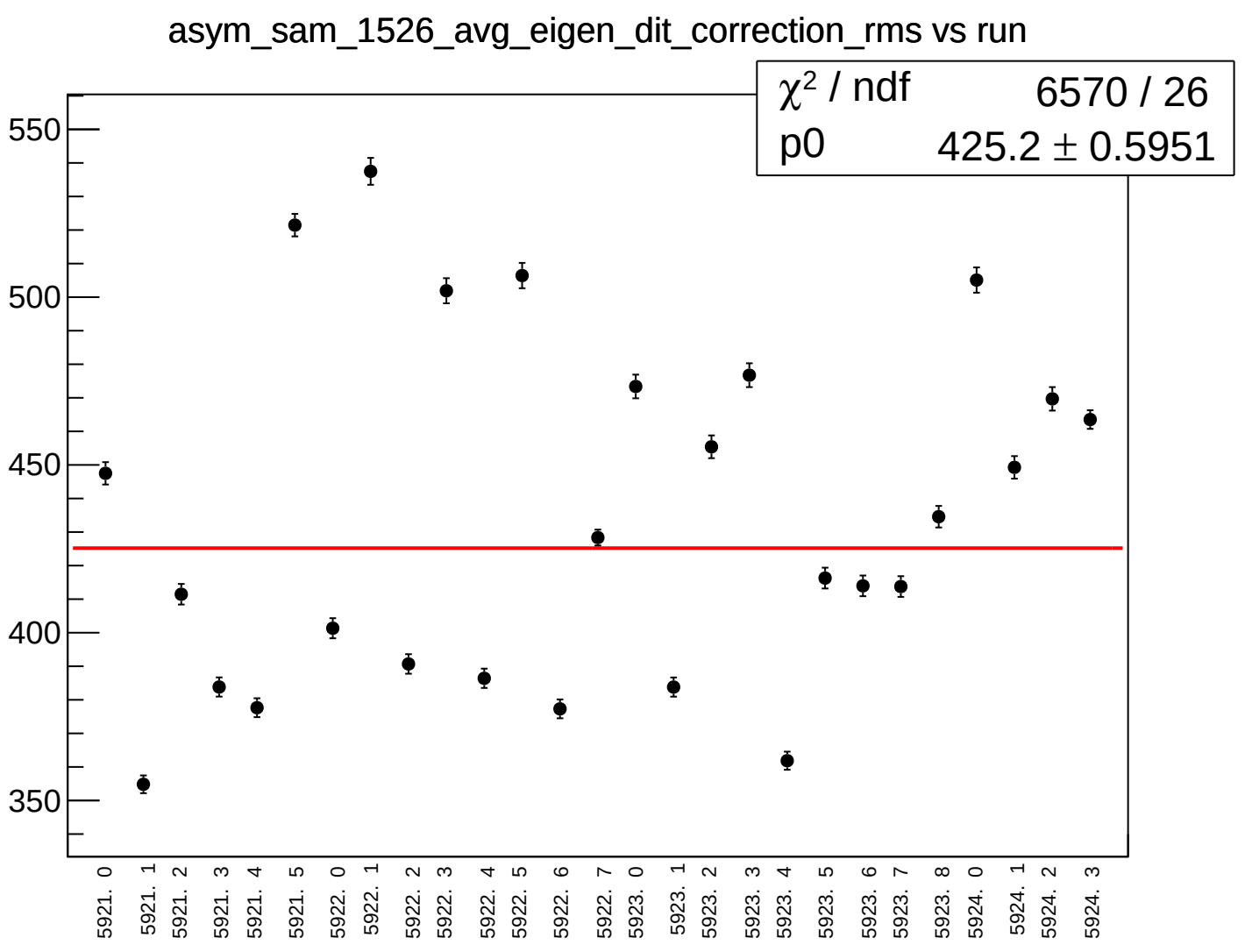
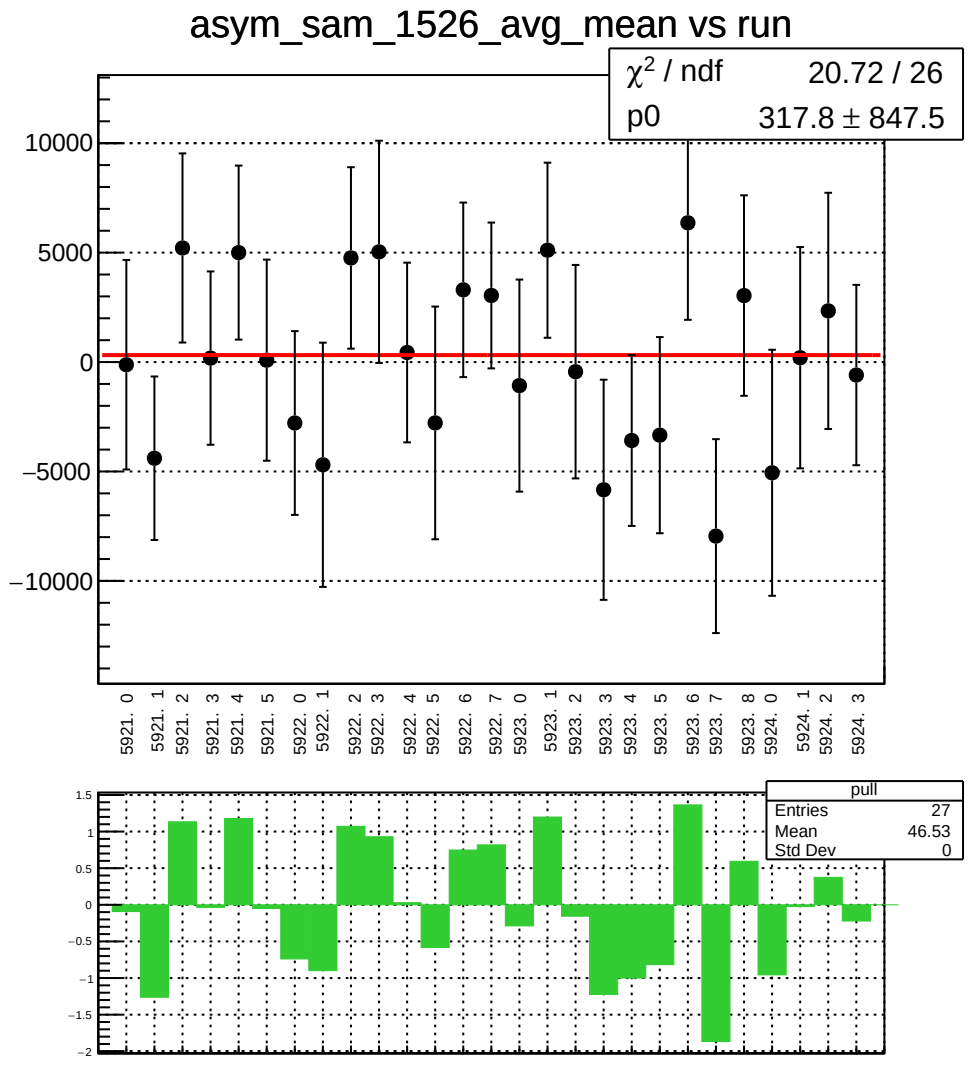
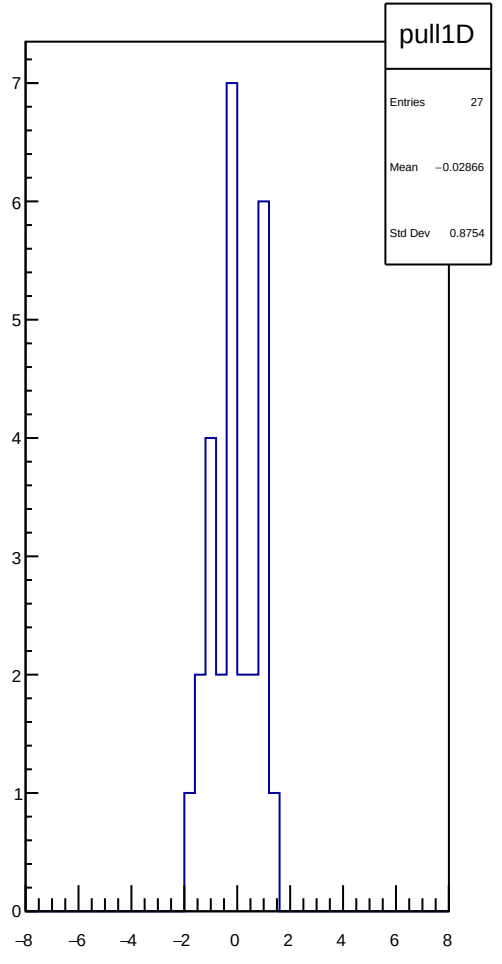
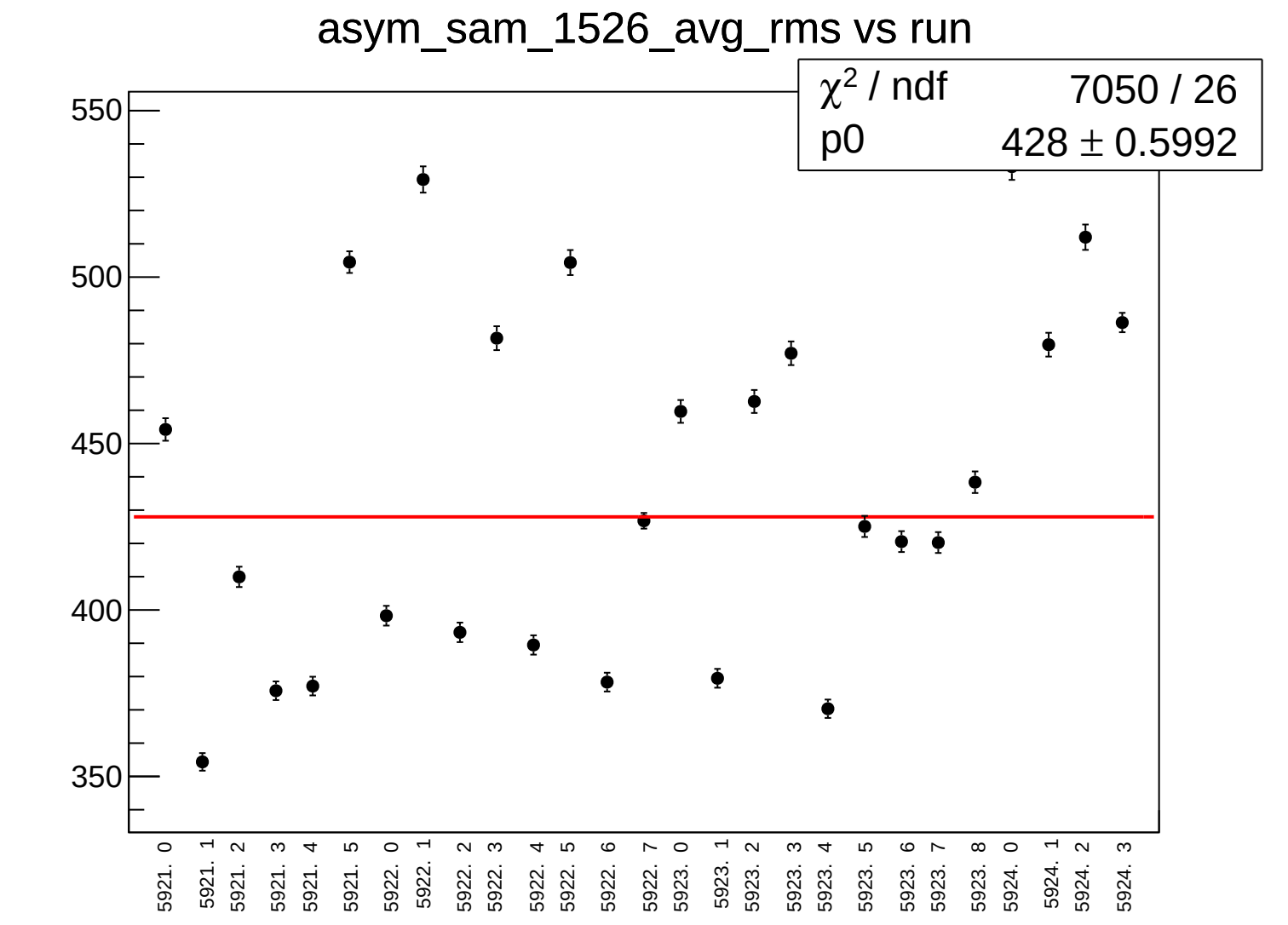
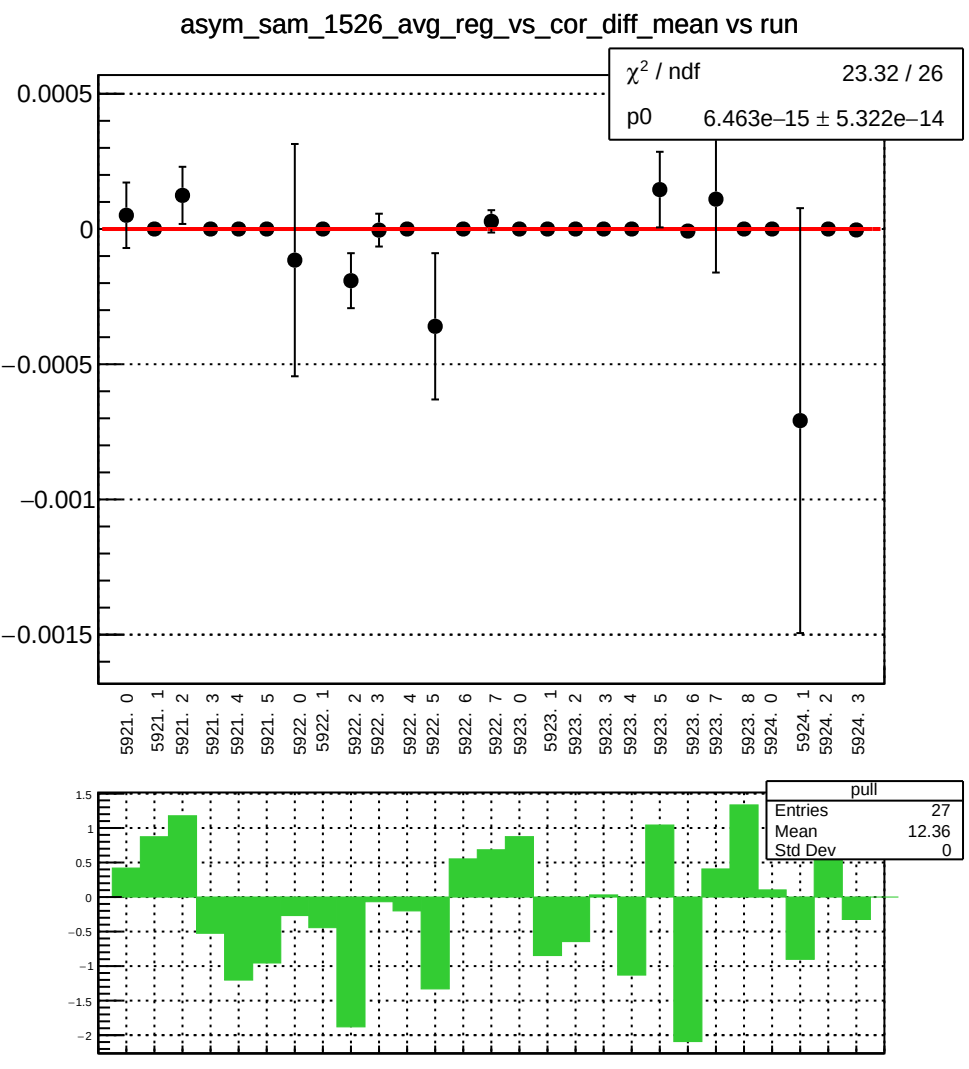
−4
−2
0
2
4
6
8

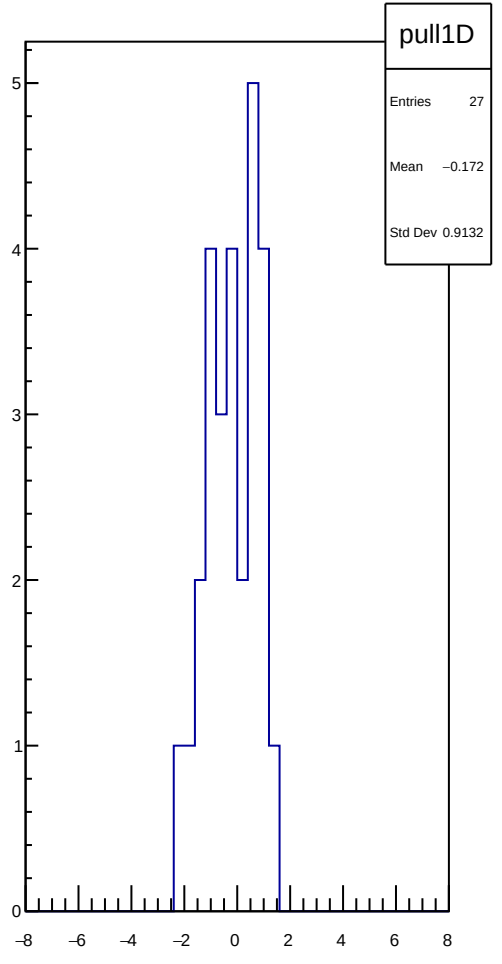

asym_sam_1526_avg_eigen_dit_correction_rms vs run
χ² / ndf 6570 / 26
p0 425.2 ± 0.5951
550
500
450
400
350
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

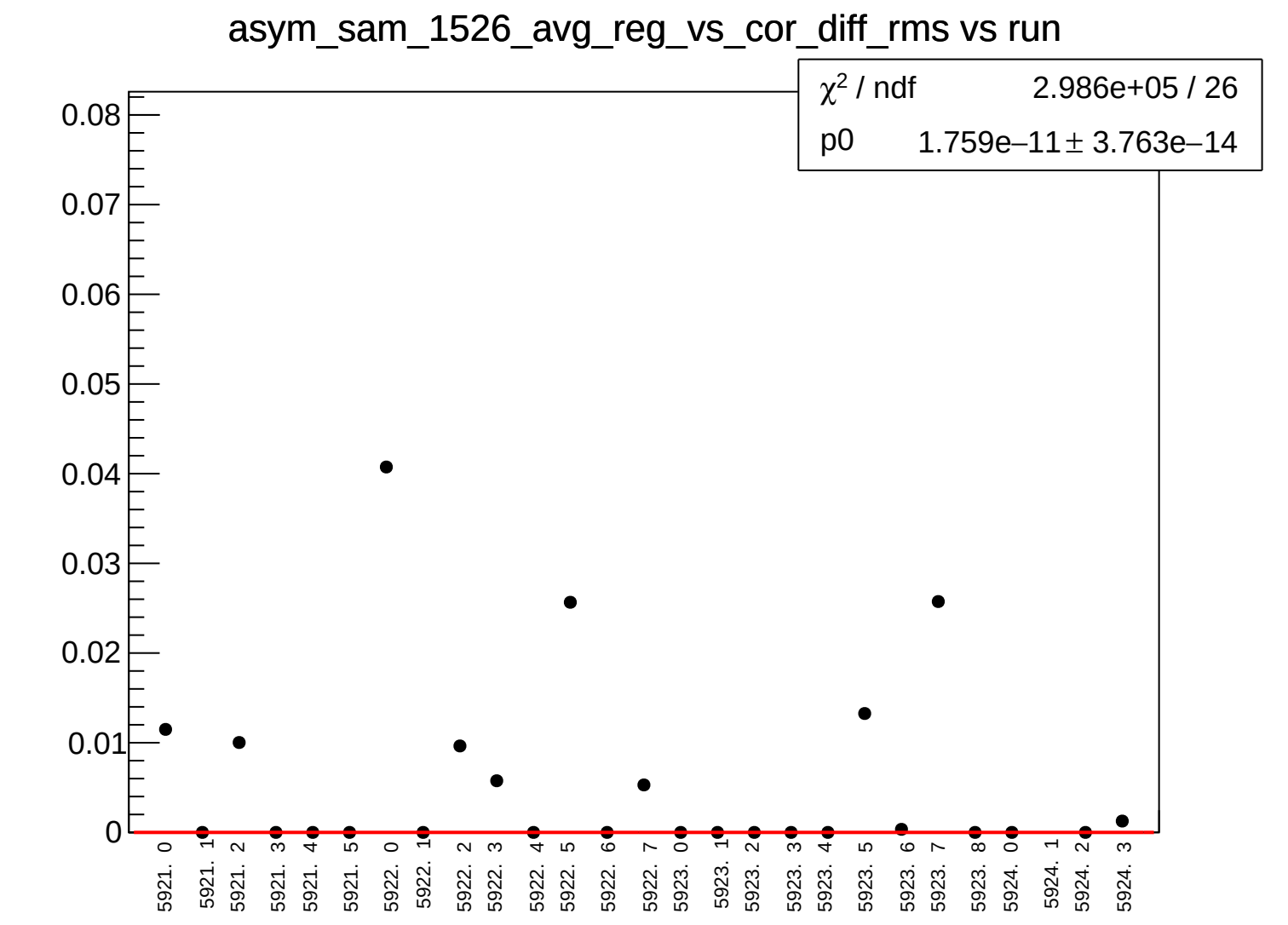

asym_sam_1526_avg_mean vs run
χ² / ndf 20.72 / 26
p0 317.8 ± 847.5
10000
5000
0
−5000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 46.53
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

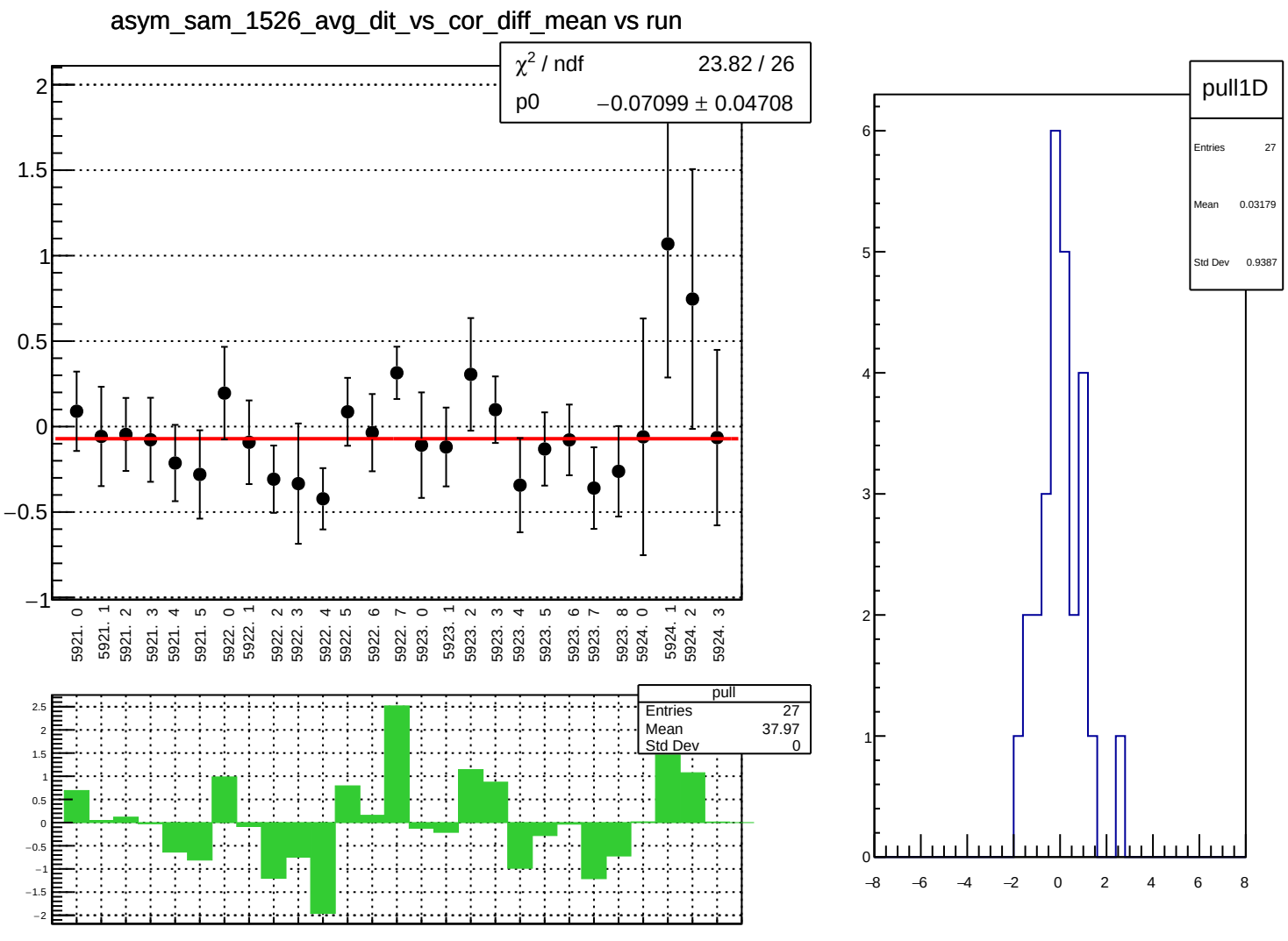

pull1D
Entries 27
Mean −0.02866
Std Dev 0.8754
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

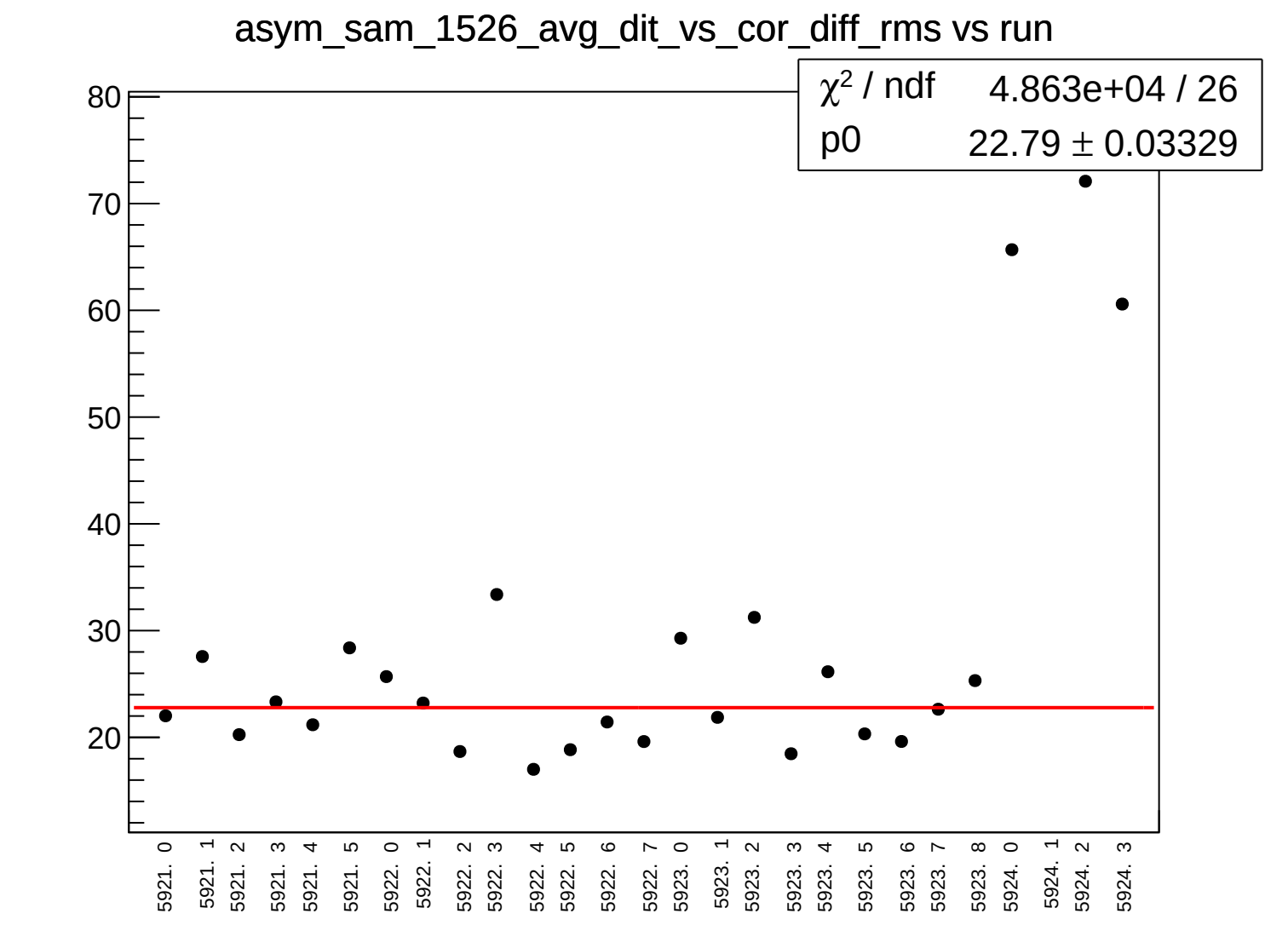

asym_sam_1526_avg_rms vs run
χ² / ndf 7050 / 26
p0 428 ± 0.5992
550
500
450
400
350
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

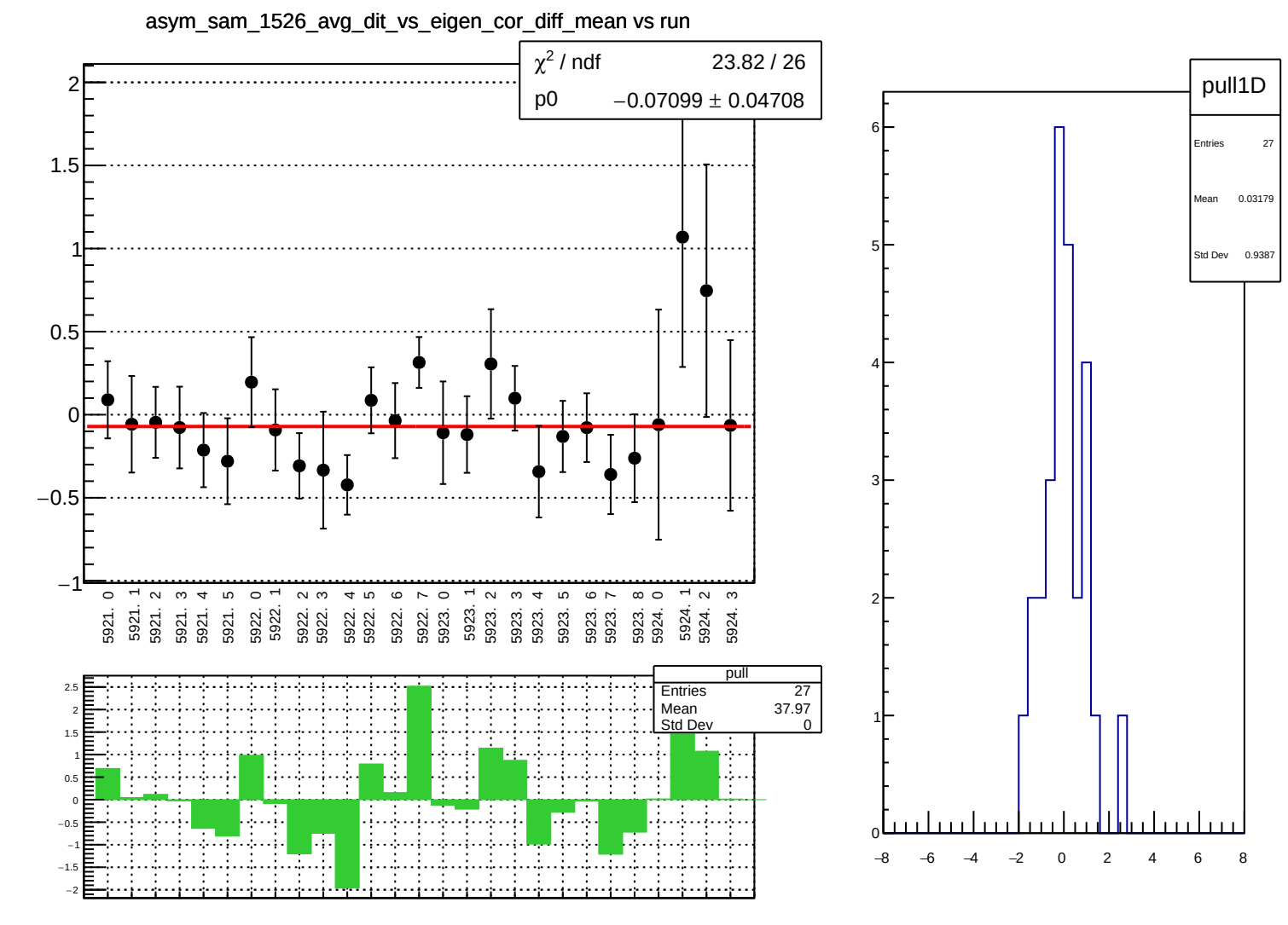

asym_sam_1526_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 23.32 / 26
p0 6.463e−15 ± 5.322e−14
0.0005
0
−0.0005
−0.001
−0.0015
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 12.36
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

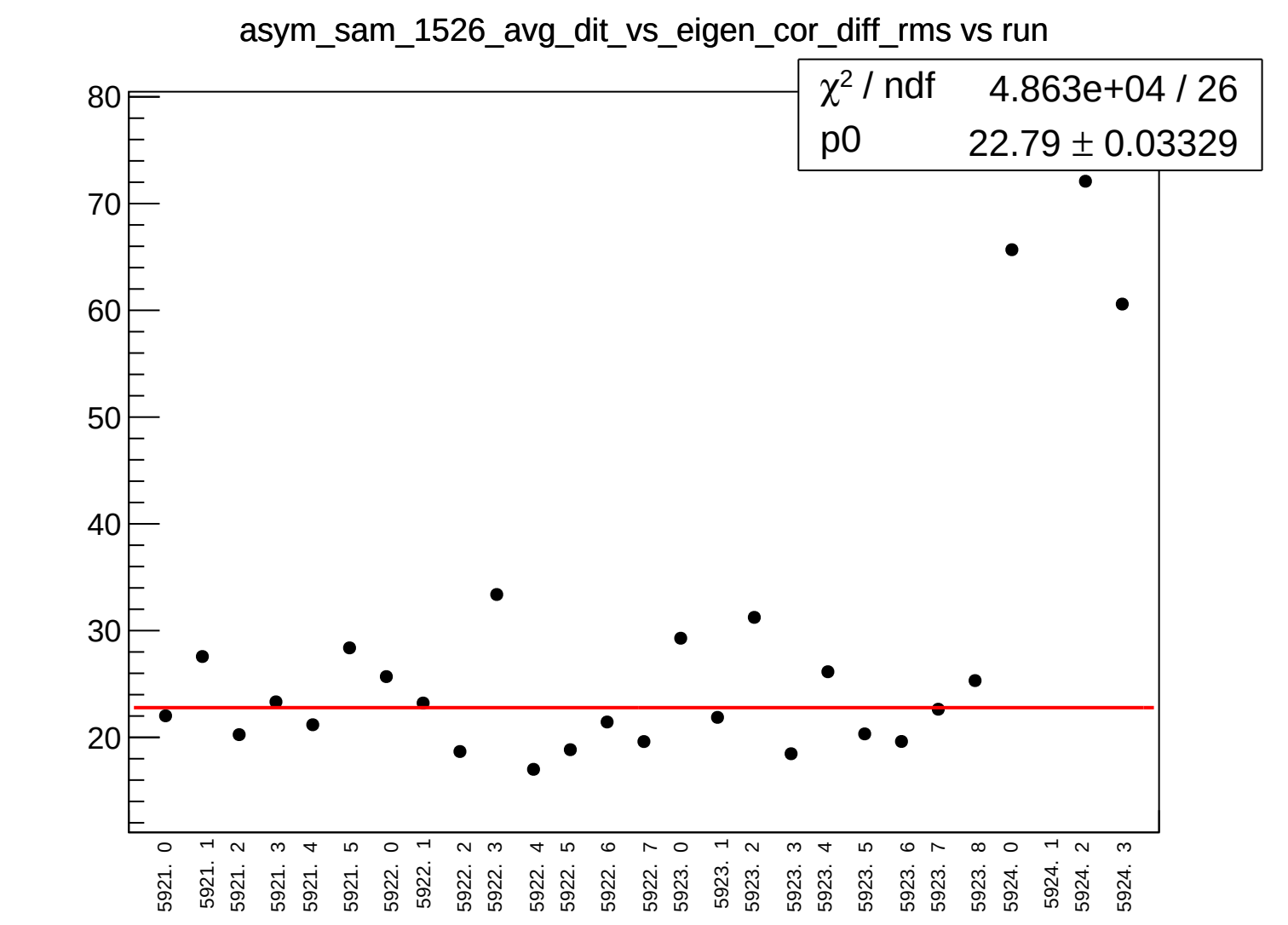

pull1D
Entries 27
Mean −0.172
Std Dev 0.9132
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

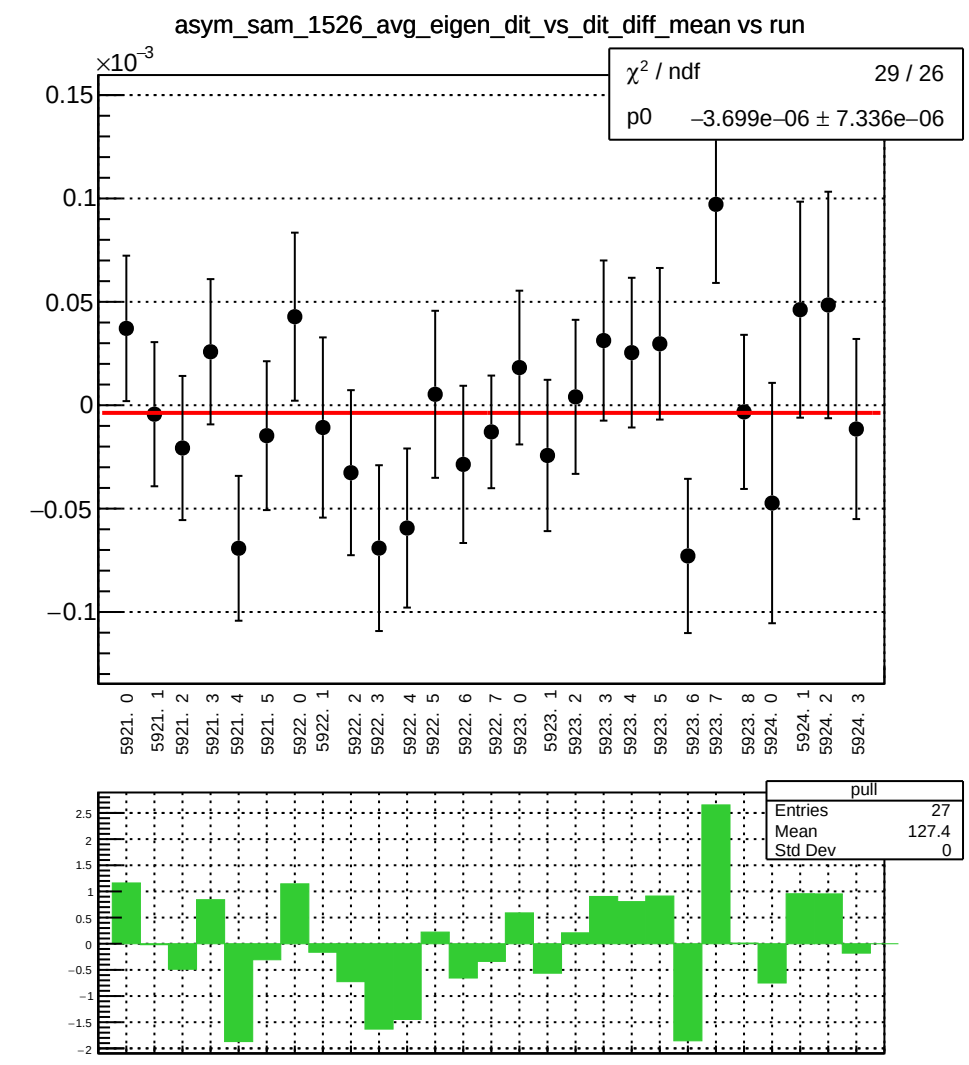

asym_sam_1526_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 2.986e+05 / 26
p0 1.759e−11 ± 3.763e−14
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

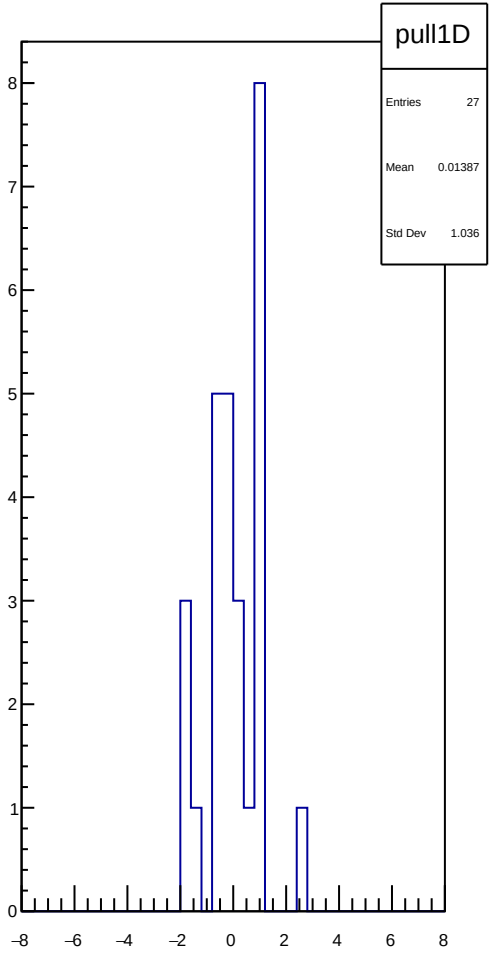

asym_sam_1526_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 23.82 / 26
p0 −0.07099 ± 0.04708
2
1.5
1
0.5
0
−0.5
−1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 37.97
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean 0.03179
Std Dev 0.9387
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

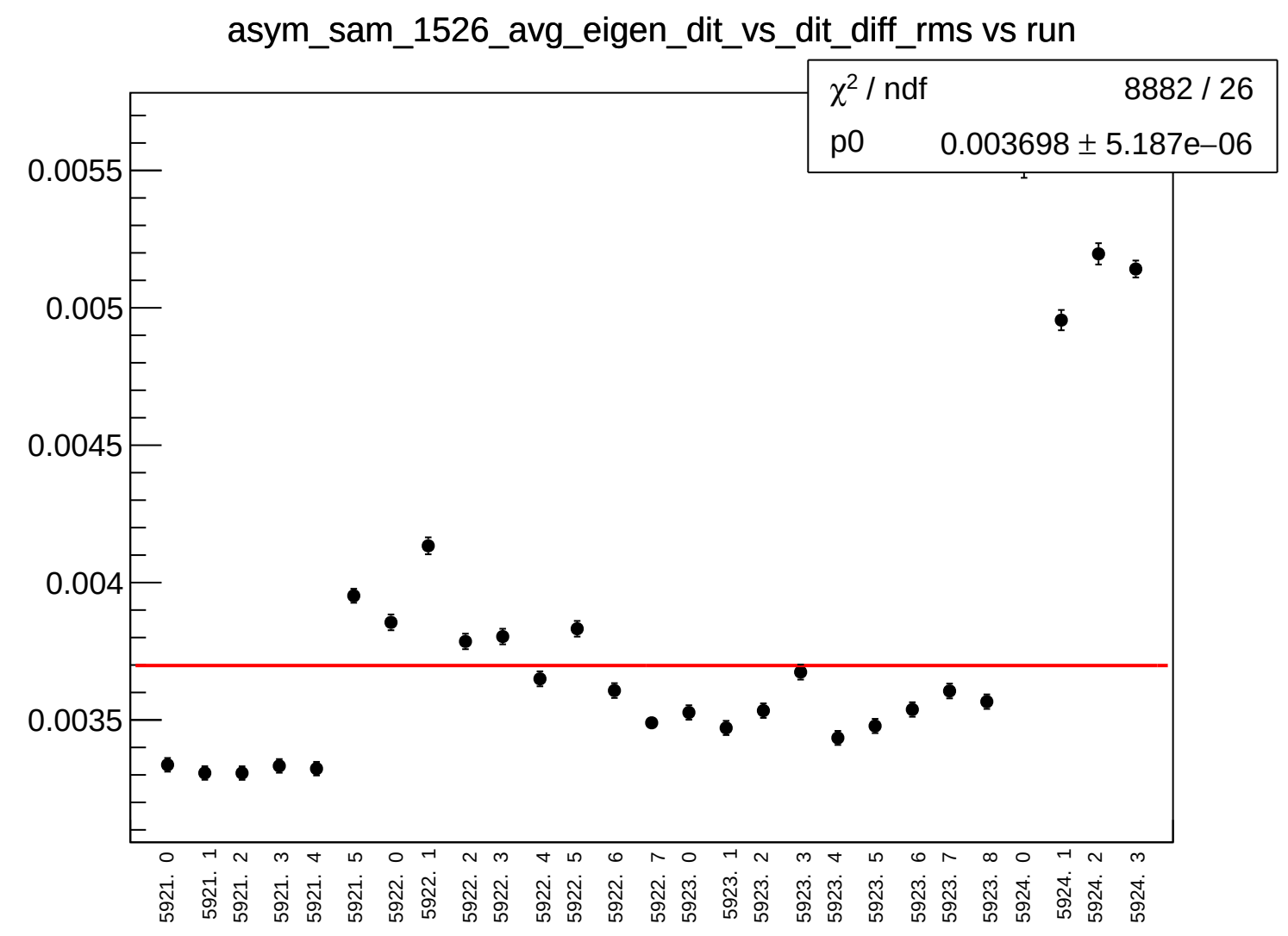

asym_sam_1526_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.863e+04 / 26
p0 22.79 ± 0.03329
80
70
60
50
40
30
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

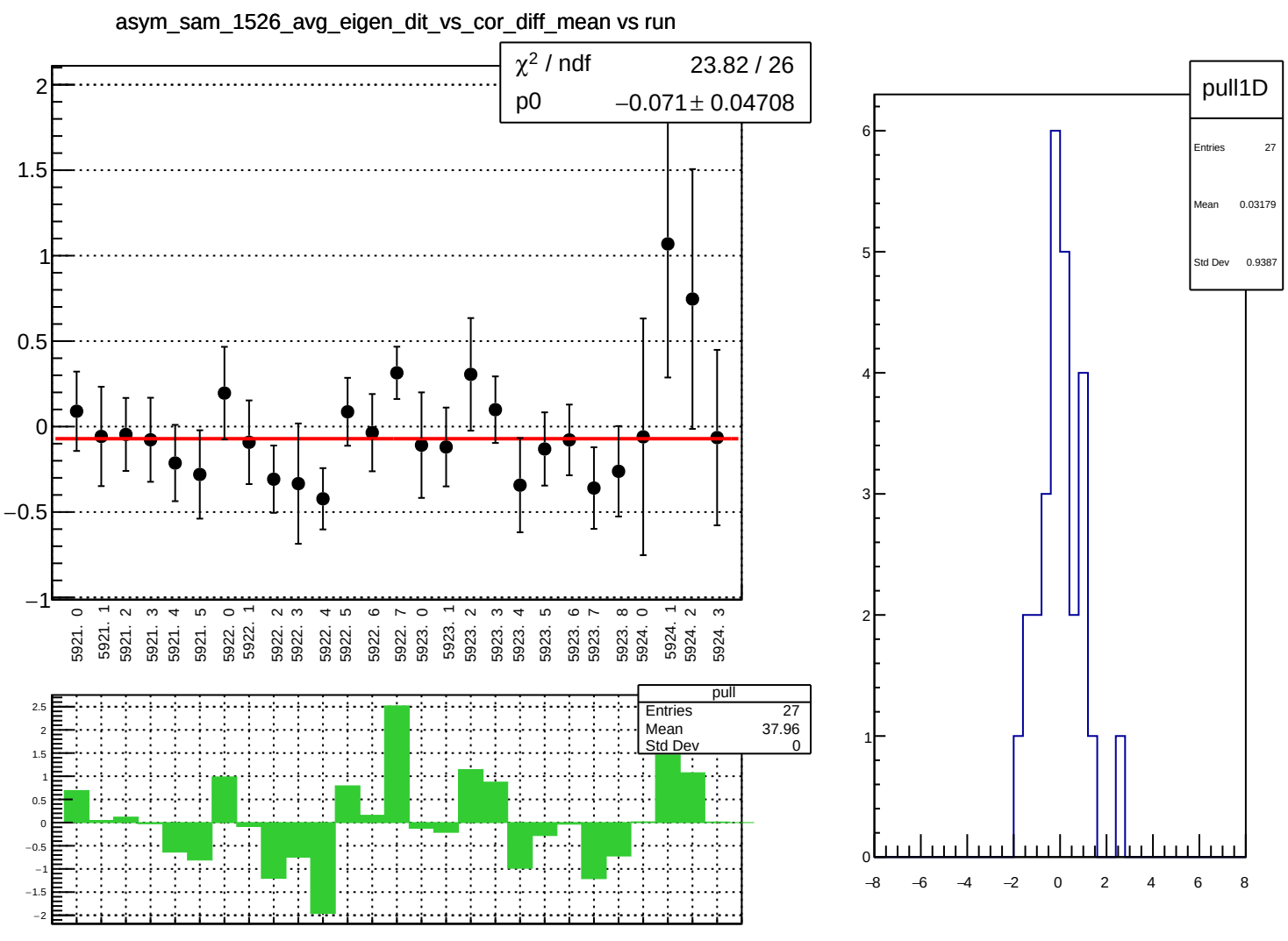

asym_sam_1526_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 23.82 / 26
p0 −0.07099 ± 0.04708
pull
Entries 27
Mean 37.97
Std Dev 0
pull1D
Entries 27
Mean 0.03179
Std Dev 0.9387

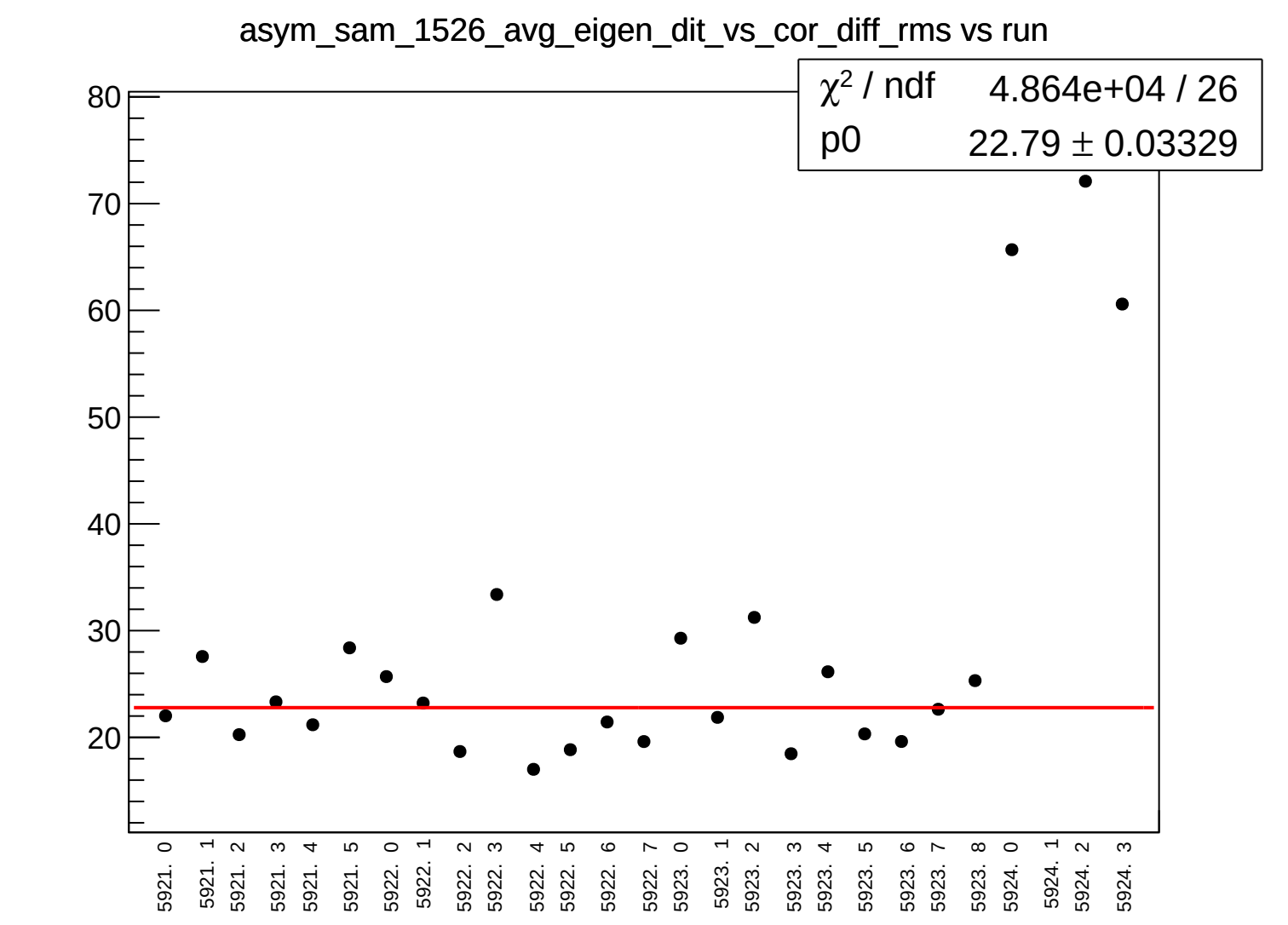

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.863e+04 / 26
p0 22.79 ± 0.03329
80
70
60
50
40
30
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

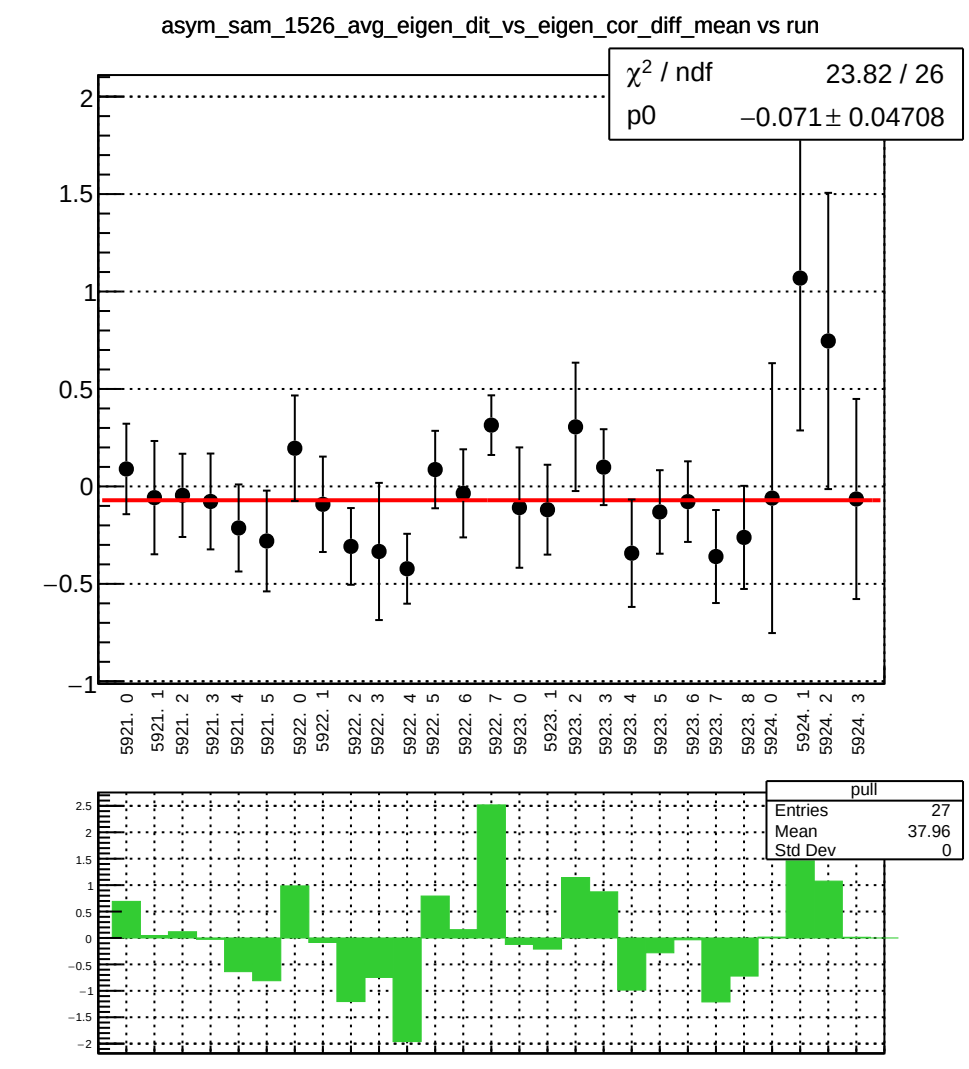

asym_sam_1526_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 29 / 26
p0 −3.699e−06 ± 7.336e−06
0.15
0.1
0.05
0
−0.05
−0.1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 127.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

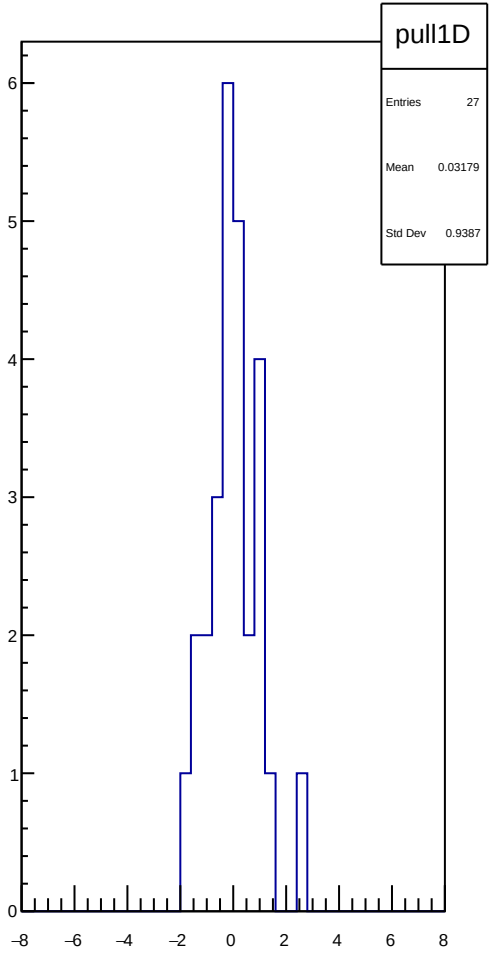

pull1D
Entries 27
Mean 0.01387
Std Dev 1.036
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

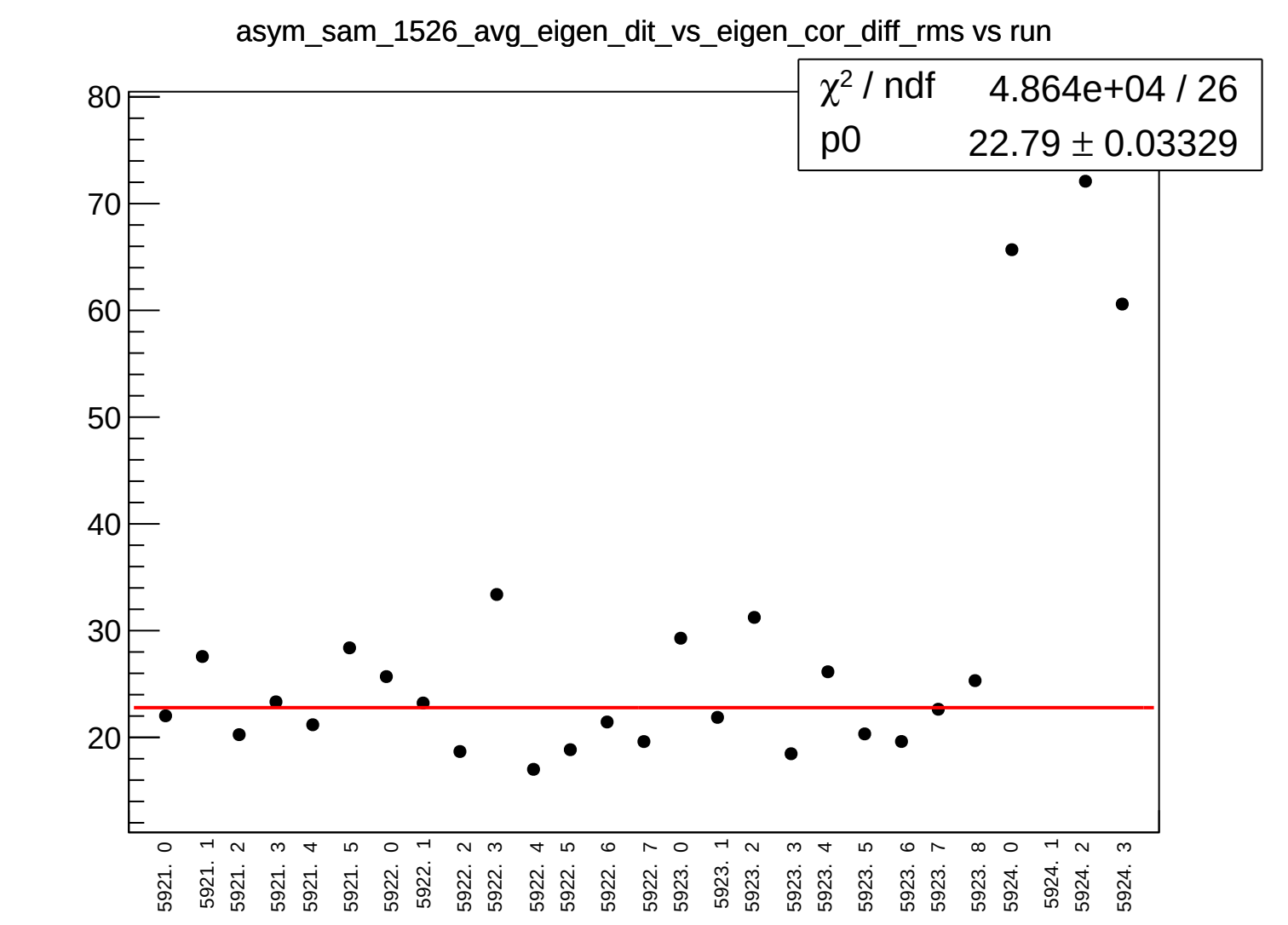

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8882 / 26
p0 0.003698 ± 5.187e−06
0.0055
0.005
0.0045
0.004
0.0035
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

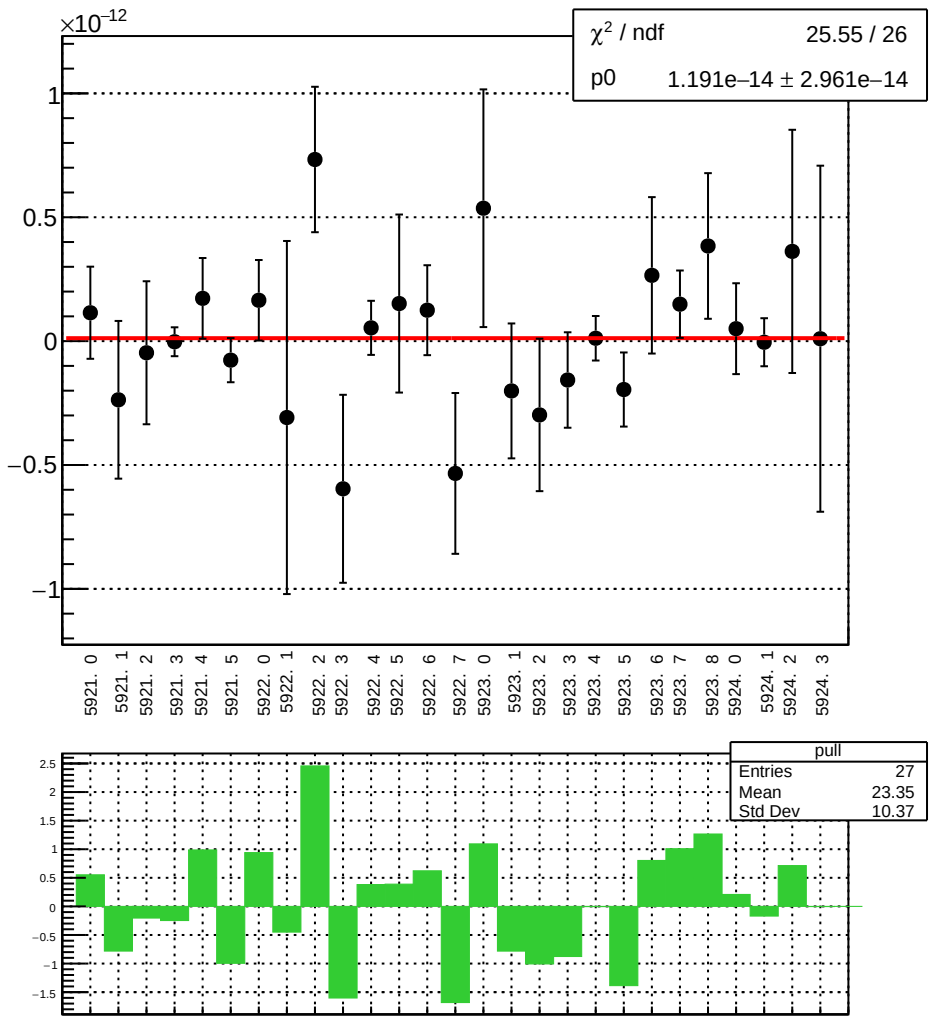

asym_sam_1526_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 23.82 / 26
p0 −0.071 ± 0.04708
2
1.5
1
0.5
0
−0.5
−1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 37.96
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean 0.03179
Std Dev 0.9387
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

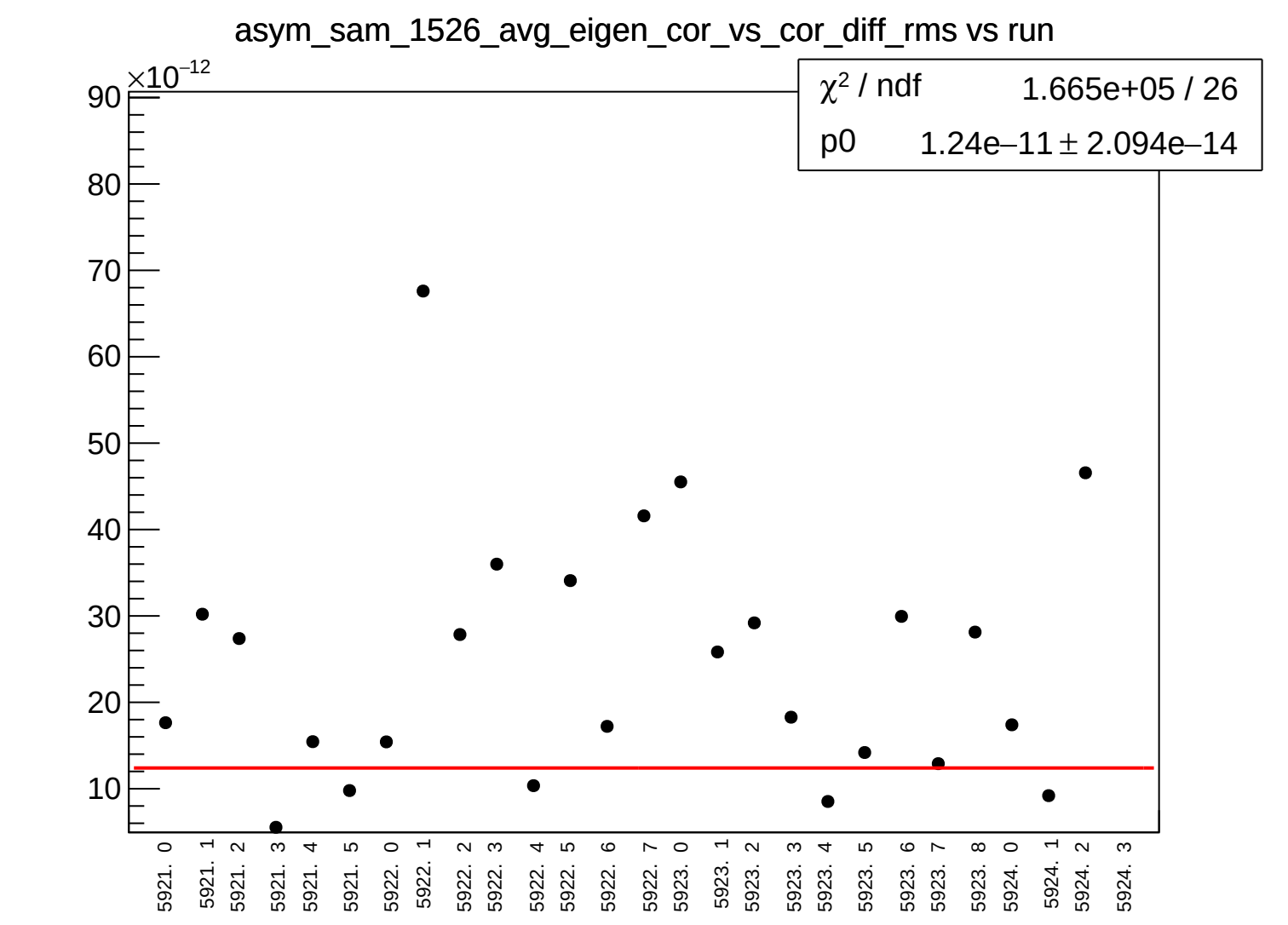

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.864e+04 / 26
p0 22.79 ± 0.03329
80
70
60
50
40
30
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

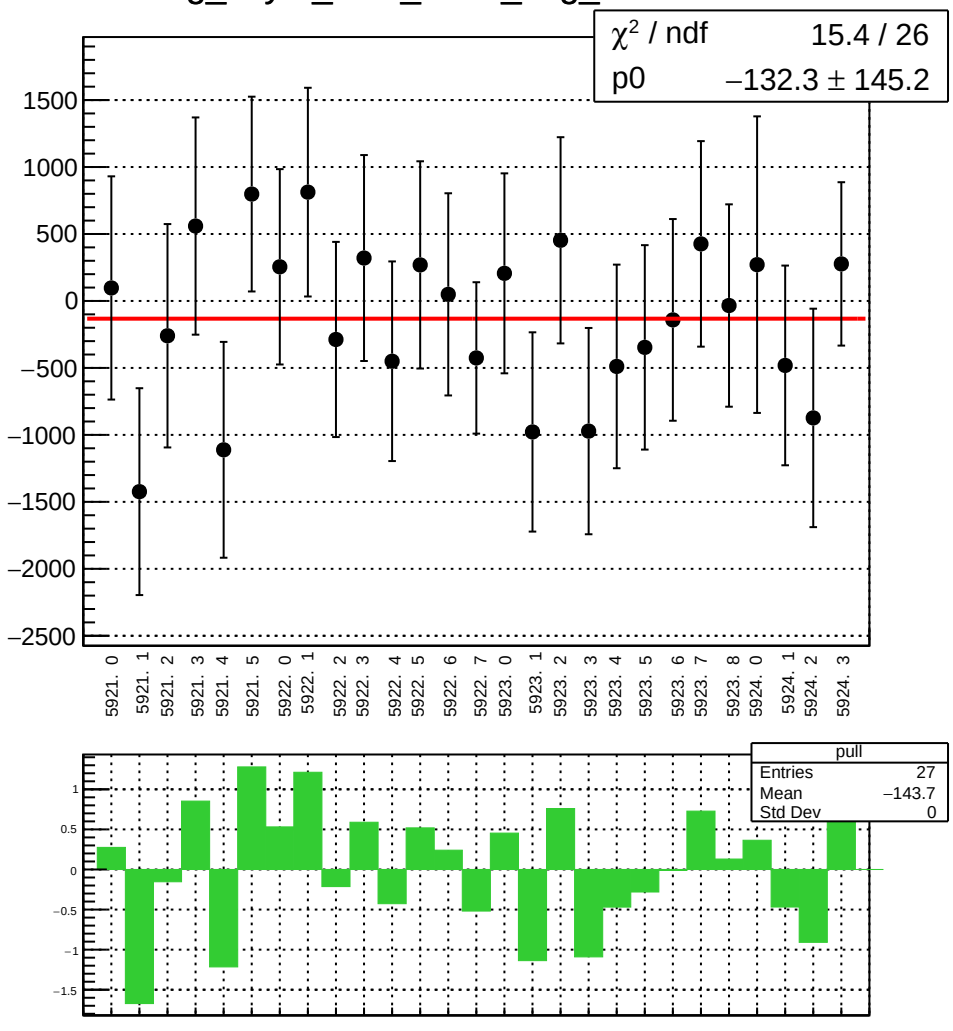

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 23.82 / 26
p0 −0.071 ± 0.04708
2
1.5
1
0.5
0
−0.5
−1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 37.96
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

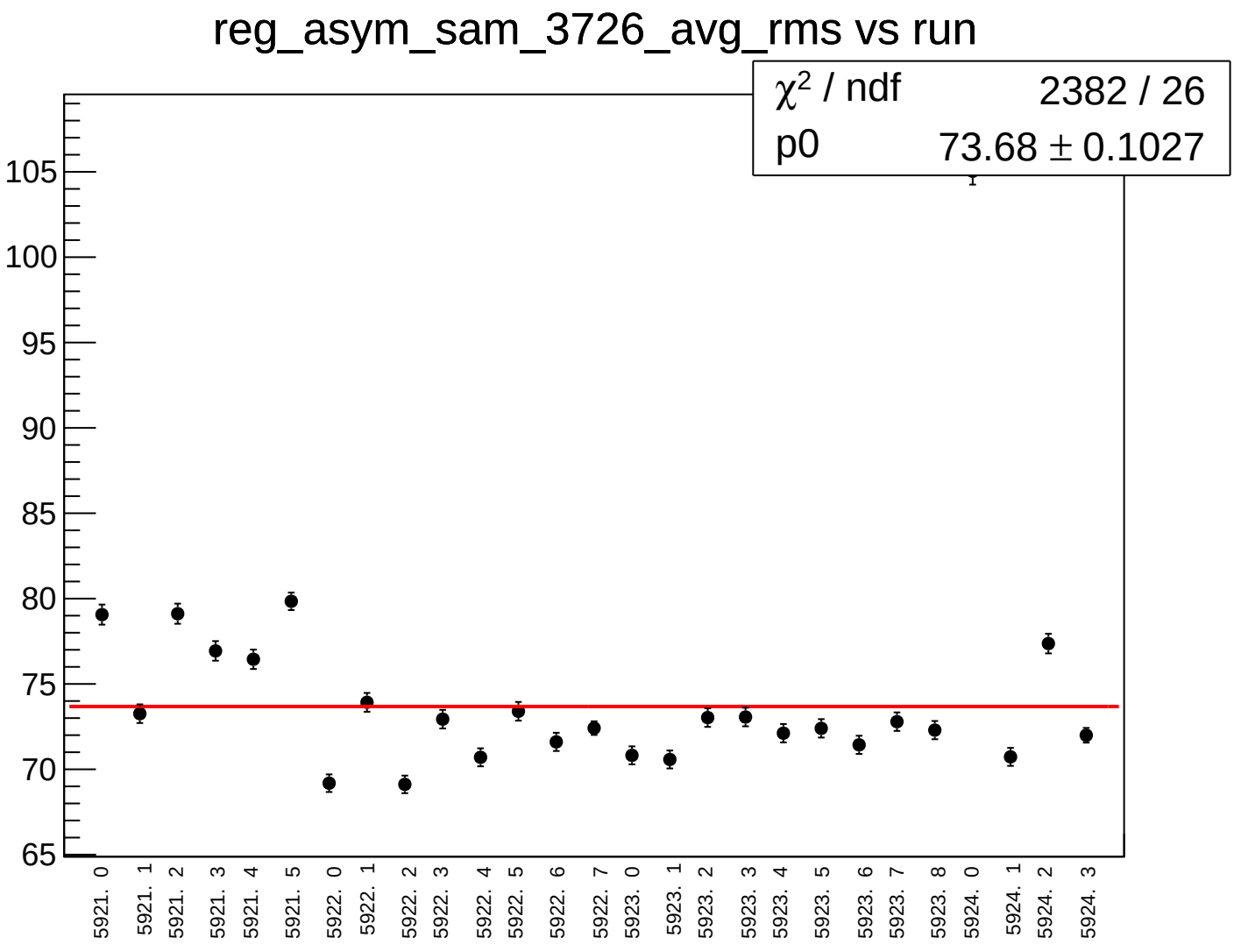

pull1D
Entries 27
Mean 0.03179
Std Dev 0.9387
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

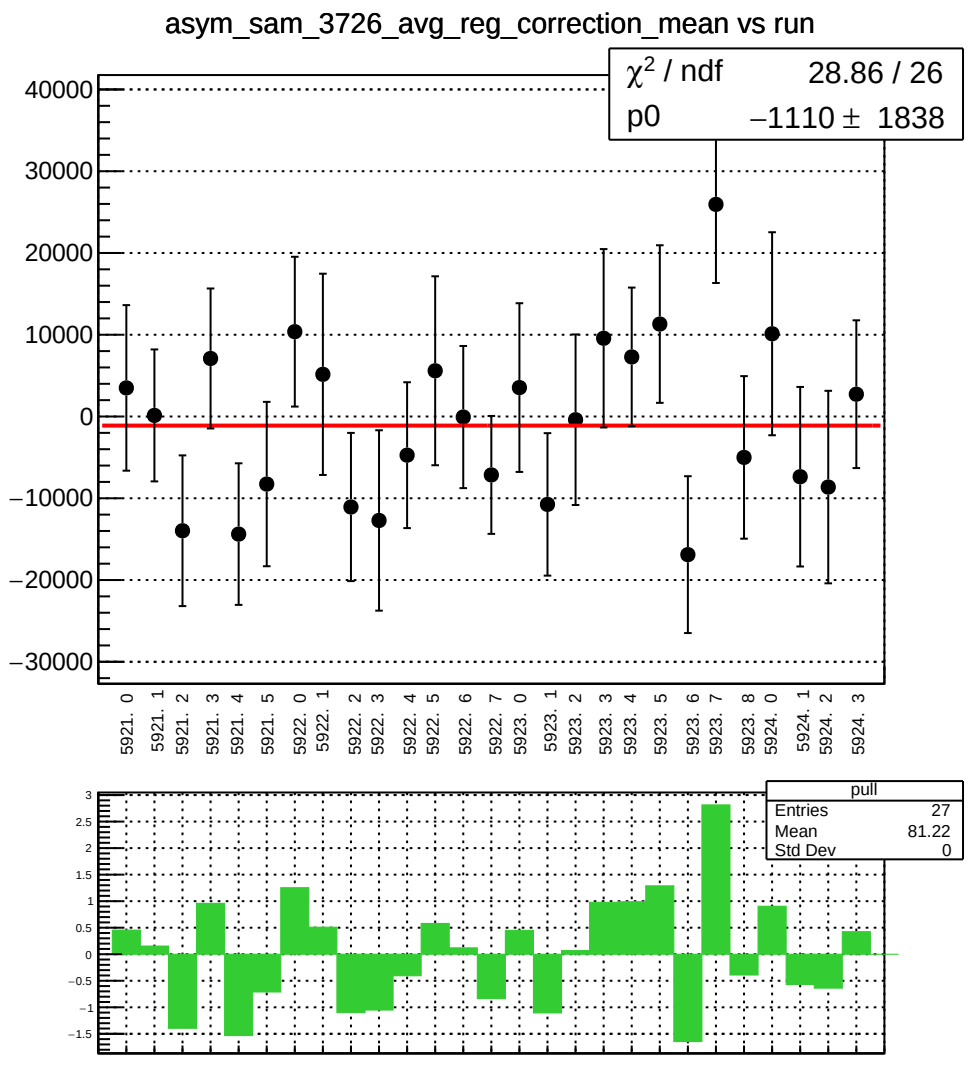

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.864e+04 / 26
p0 22.79 ± 0.03329
80
70
60
50
40
30
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

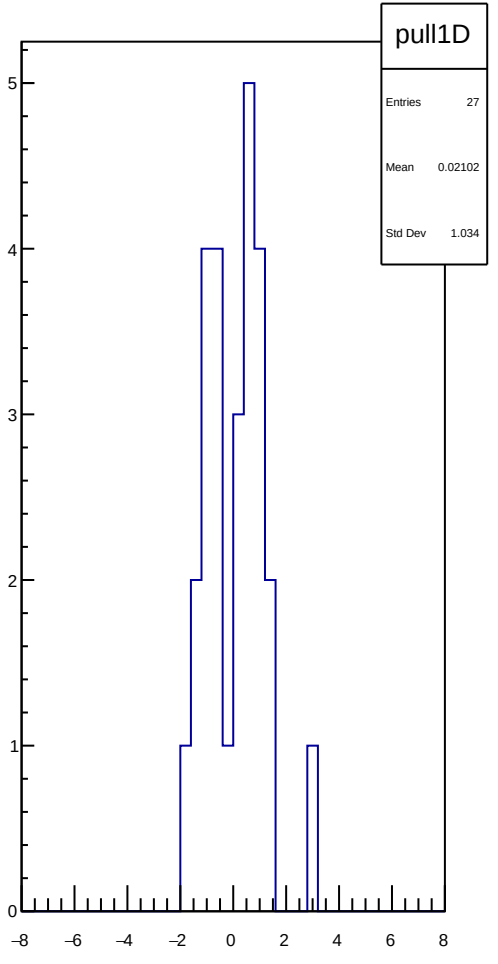

asym_sam_1526_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 25.55 / 26
p0 1.191e−14 ± 2.961e−14
1
0.5
0
−0.5
−1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 23.35
Std Dev 10.37
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.04584
Std Dev 0.9716
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

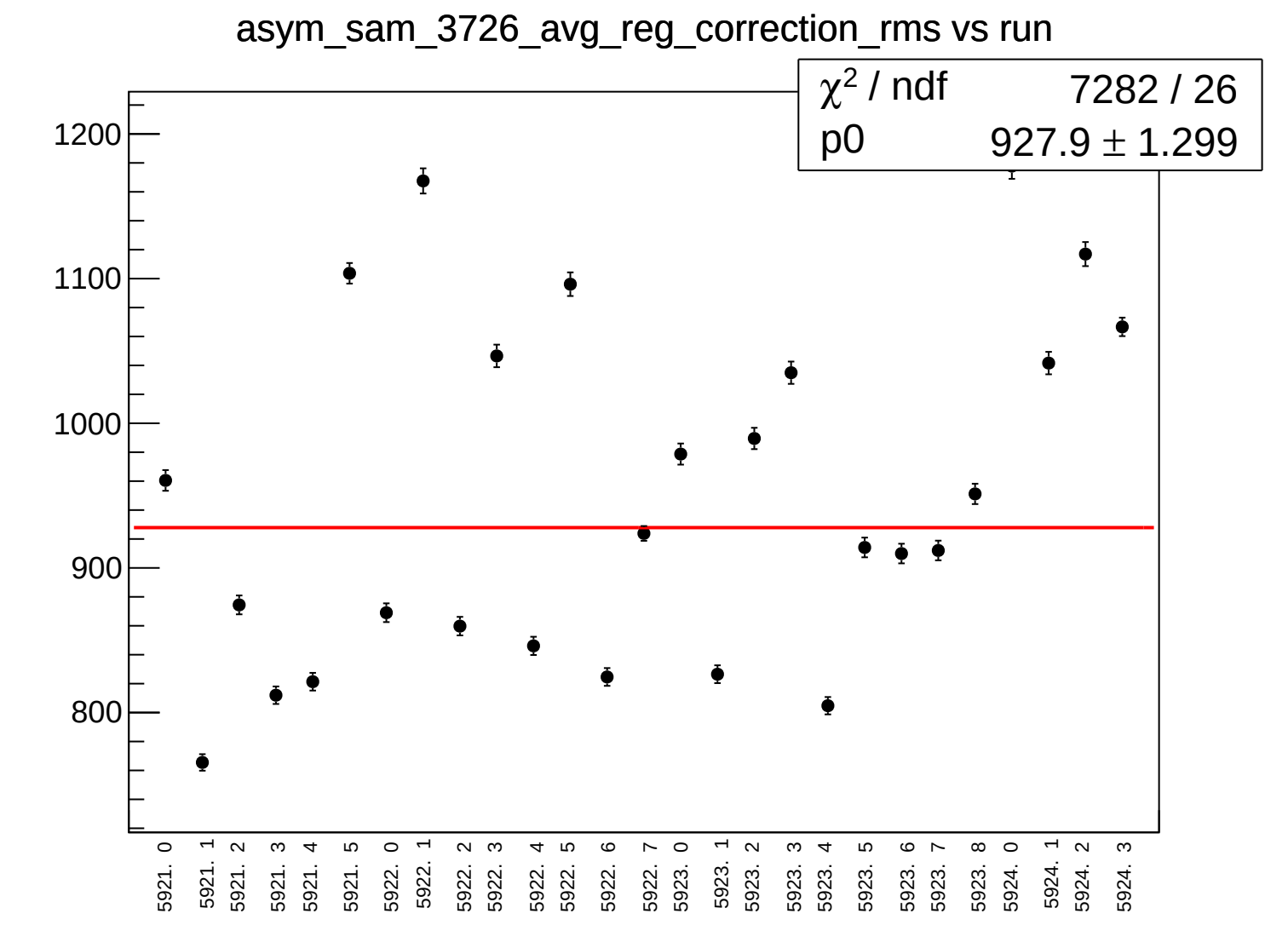

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 1.665e+05 / 26
p0 1.24e−11 ± 2.094e−14
90
80
70
60
50
40
30
20
10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

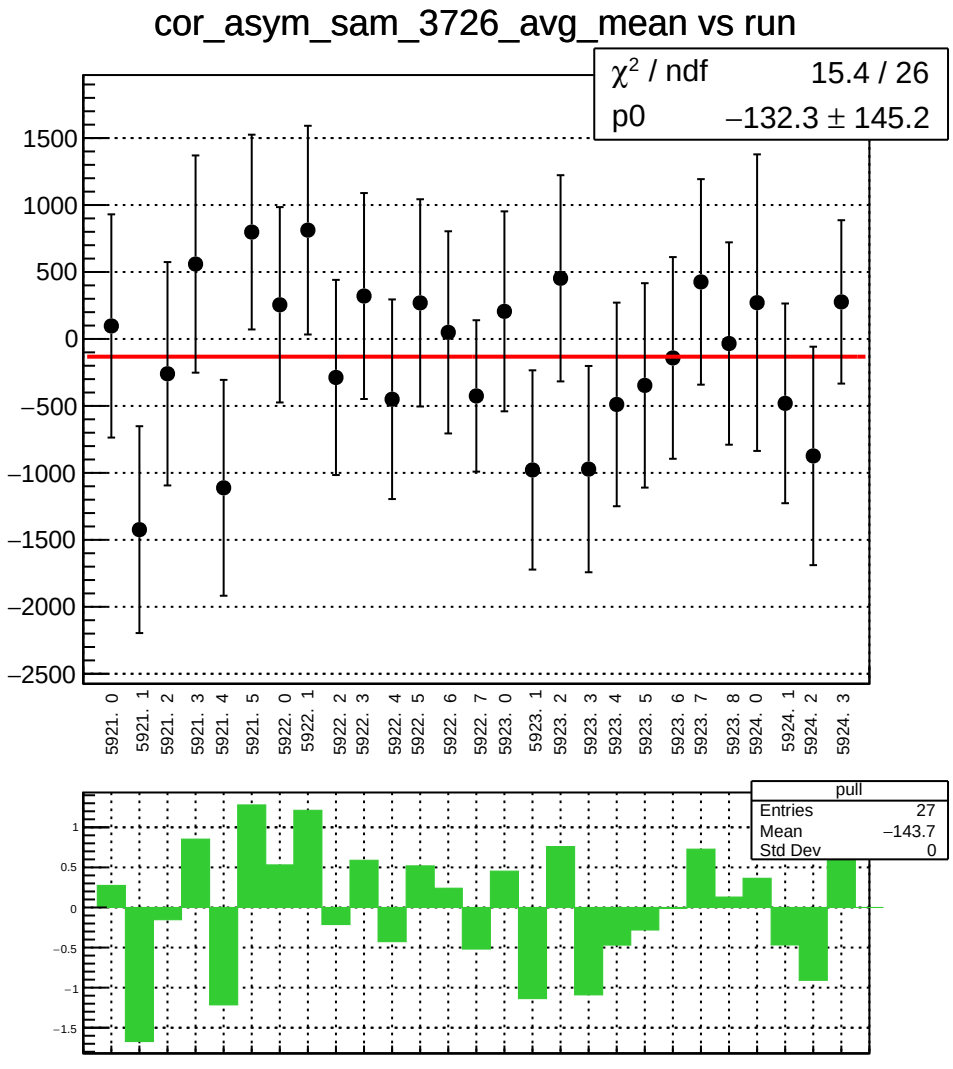

reg_asym_sam_3726_avg_mean vs run
χ² / ndf 15.4 / 26
p0 −132.3 ± 145.2
pull
Entries 27
Mean −143.7
Std Dev 0
pull1D
Entries 27
Mean 0.001567
Std Dev 0.7551

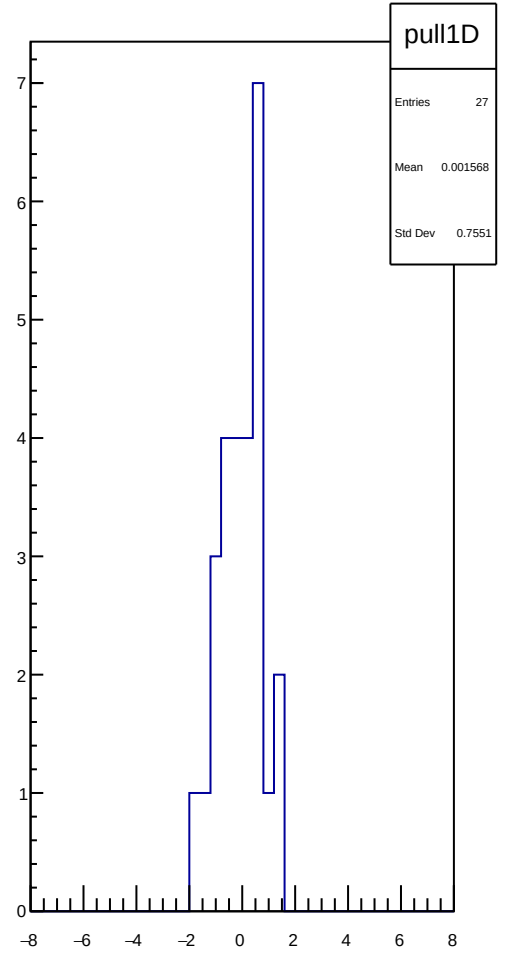

reg_asym_sam_3726_avg_rms vs run
χ² / ndf 2382 / 26
p0 73.68 ± 0.1027
105
100
95
90
85
80
75
70
65
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

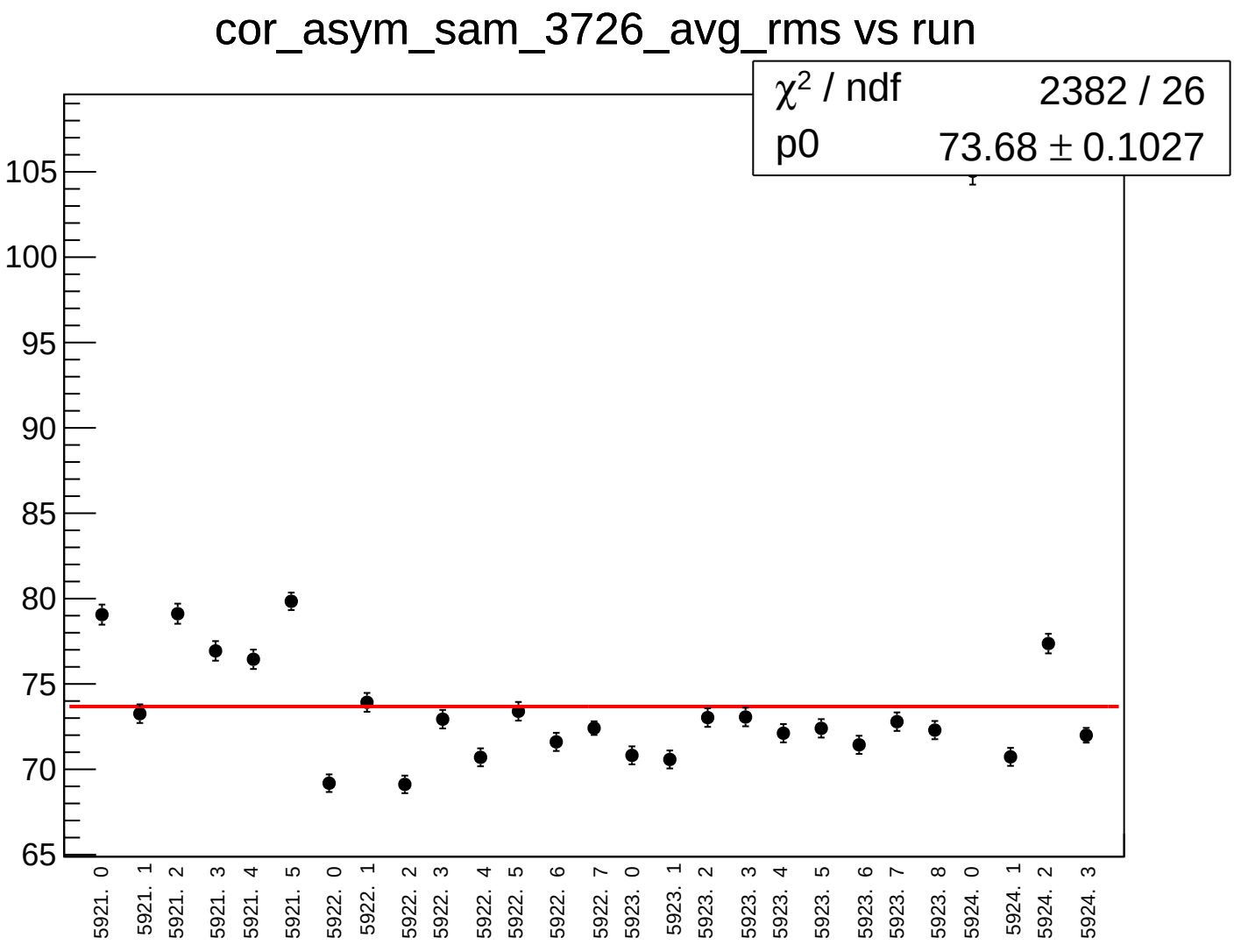

asym_sam_3726_avg_reg_correction_mean vs run
χ² / ndf 28.86 / 26
p0 −1110 ± 1838
40000
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 81.22
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 27
Mean 0.02102
Std Dev 1.034
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_3726_avg_reg_correction_rms vs run
χ² / ndf 7282 / 26
p0 927.9 ± 1.299
1200
1100
1000
900
800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


cor_asym_sam_3726_avg_mean vs run
χ² / ndf 15.4 / 26
p0 −132.3 ± 145.2
1500
1000
500
0
−500
−1000
−1500
−2000
−2500
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −143.7
Std Dev 0
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 27
Mean 0.001568
Std Dev 0.7551
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam_3726_avg_rms vs run
χ² / ndf 2382 / 26
p0 73.68 ± 0.1027
105
100
95
90
85
80
75
70
65
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
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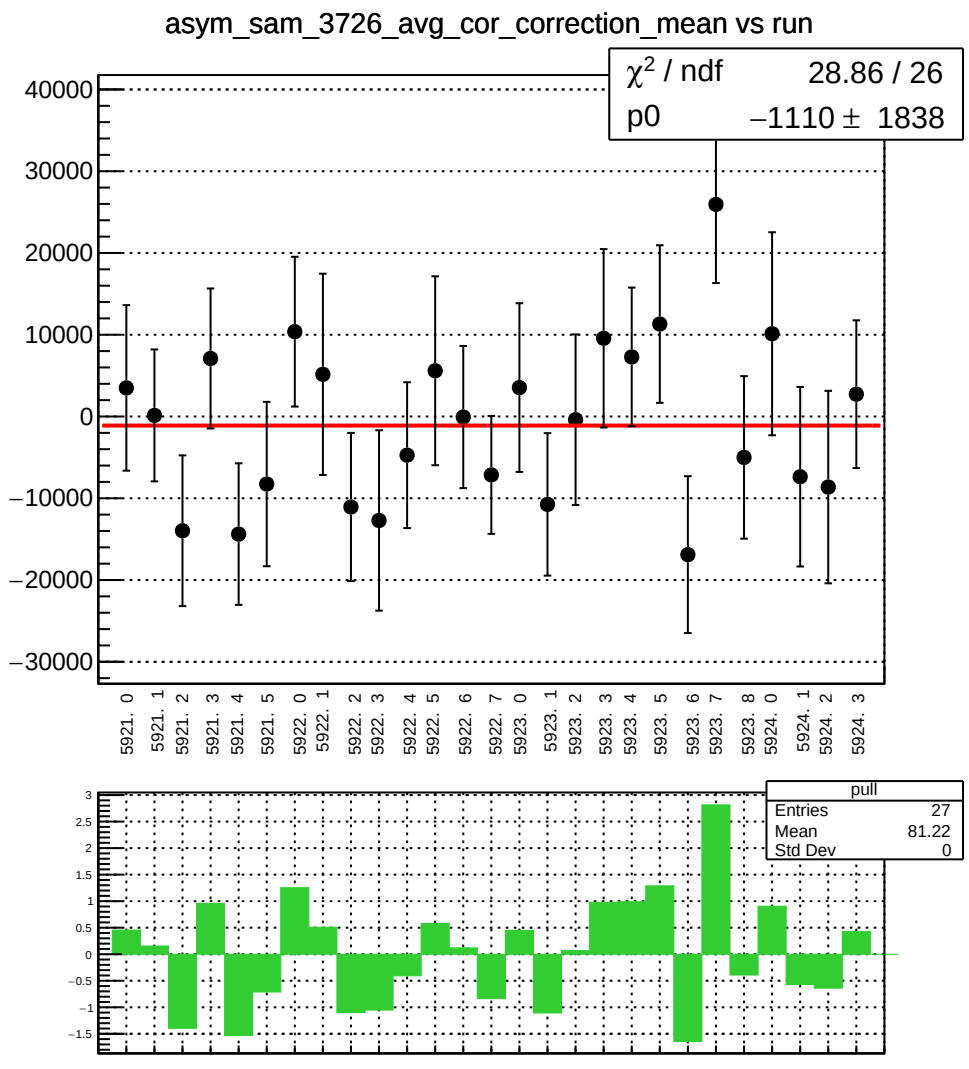
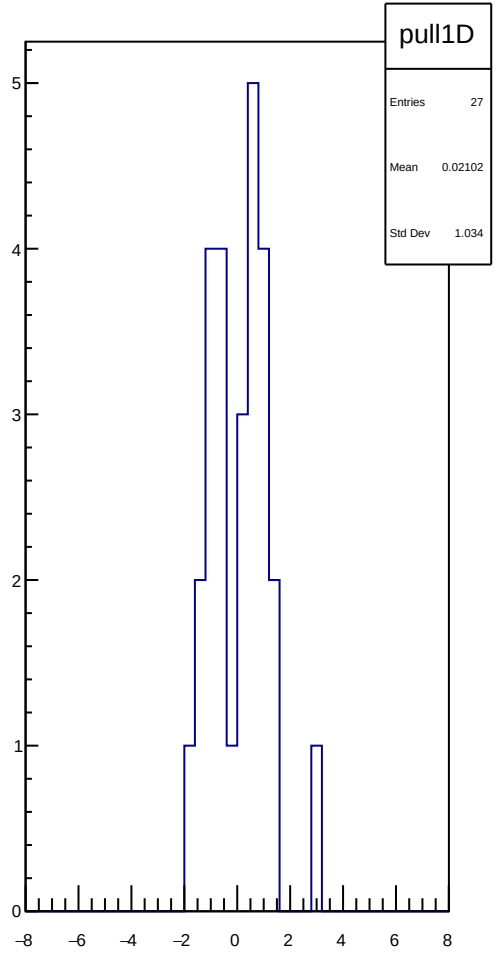
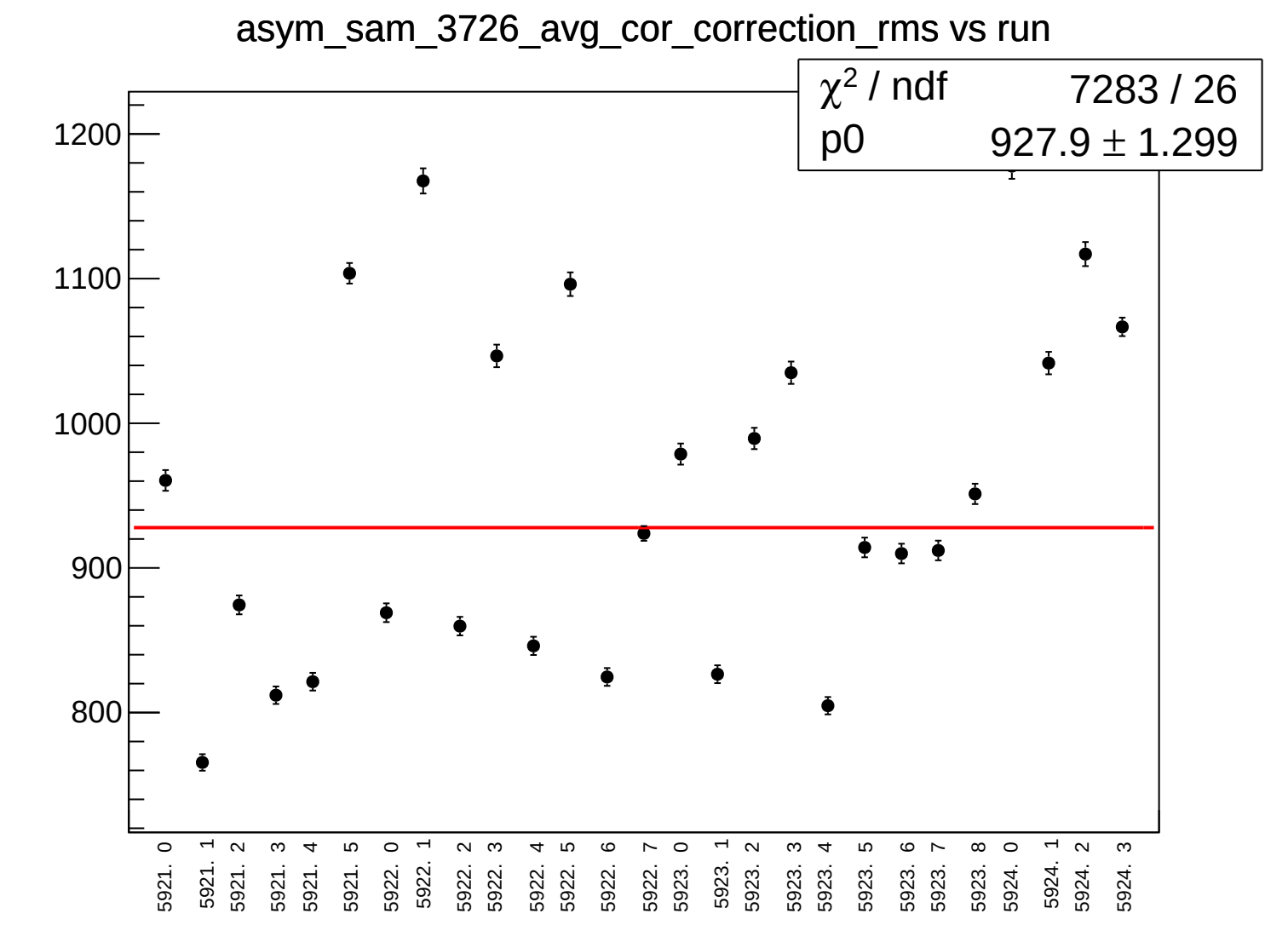
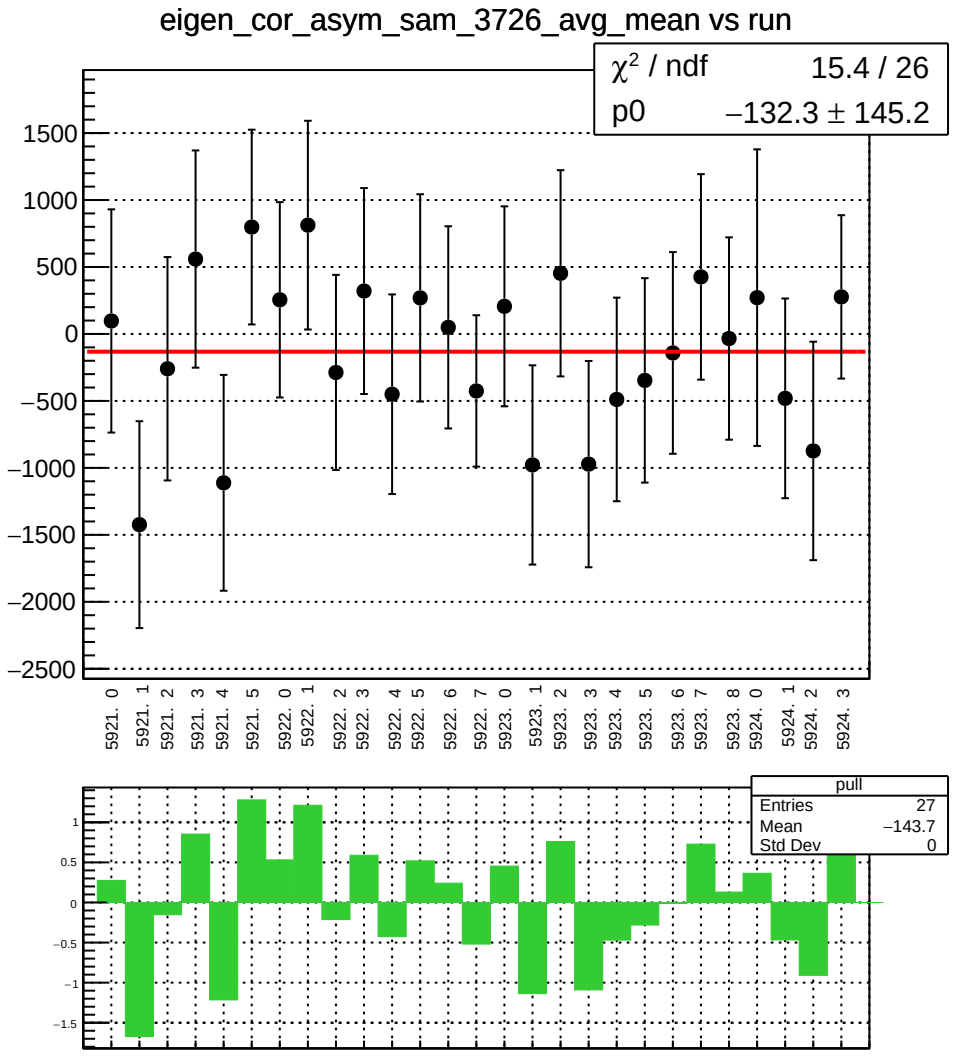
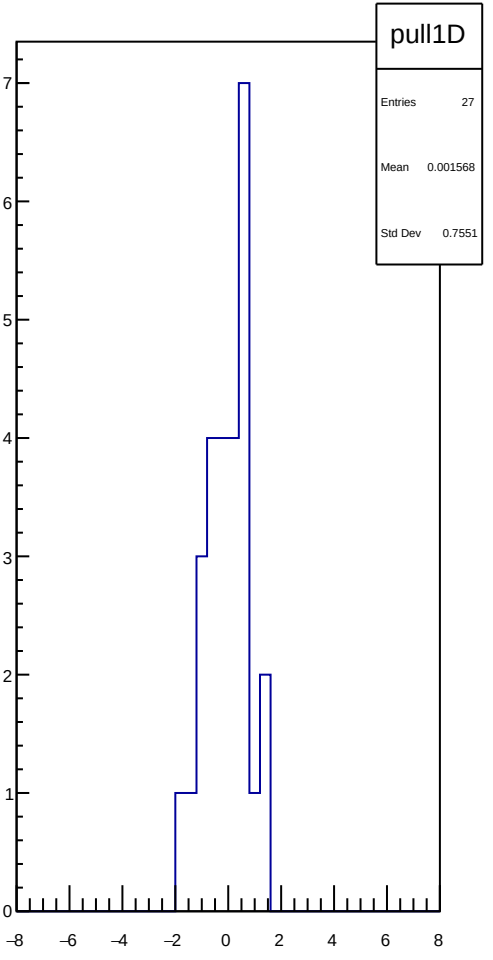
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

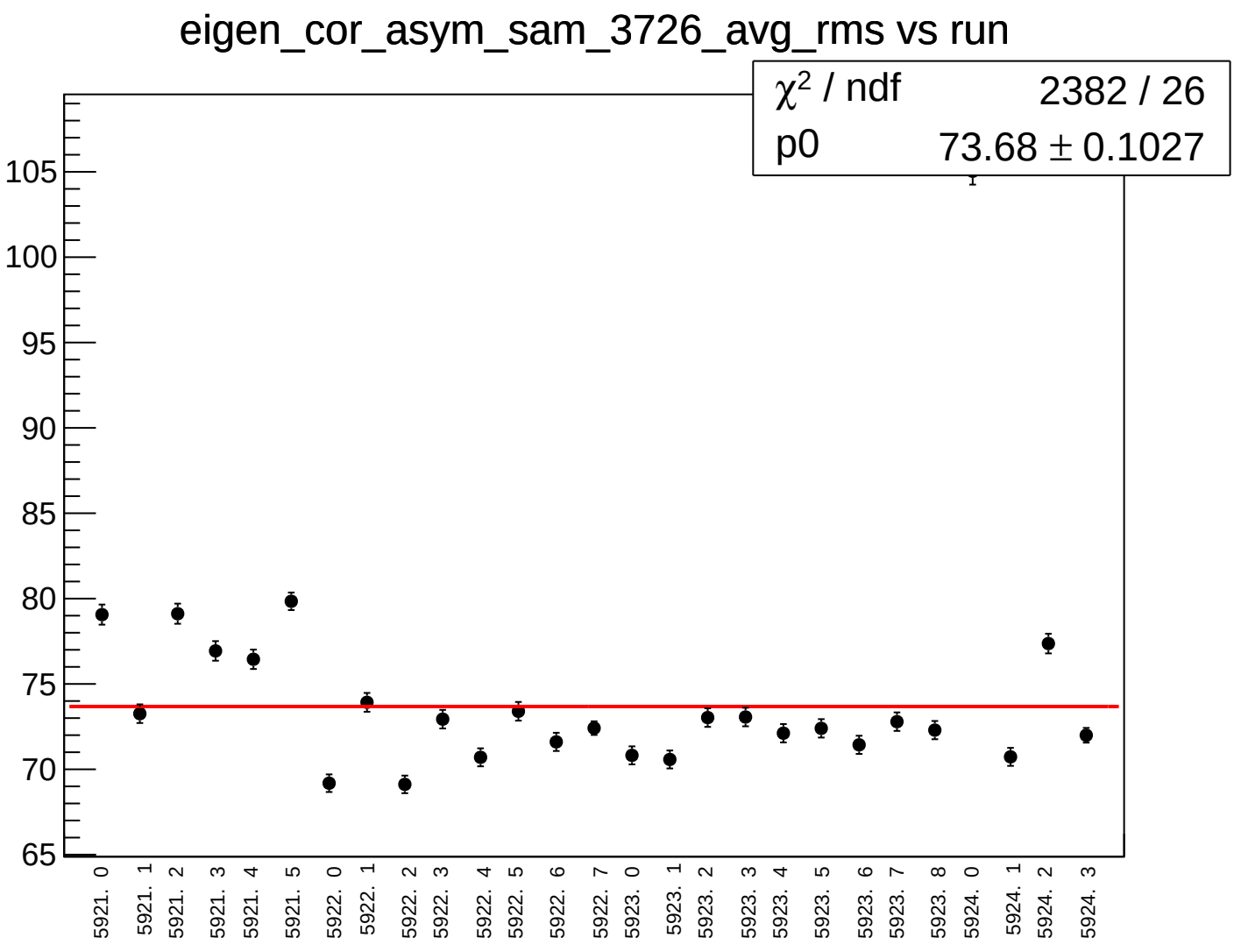

asym_sam_3726_avg_cor_correction_mean vs run
χ² / ndf 28.86 / 26
p0 −1110 ± 1838
40000
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 81.22
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

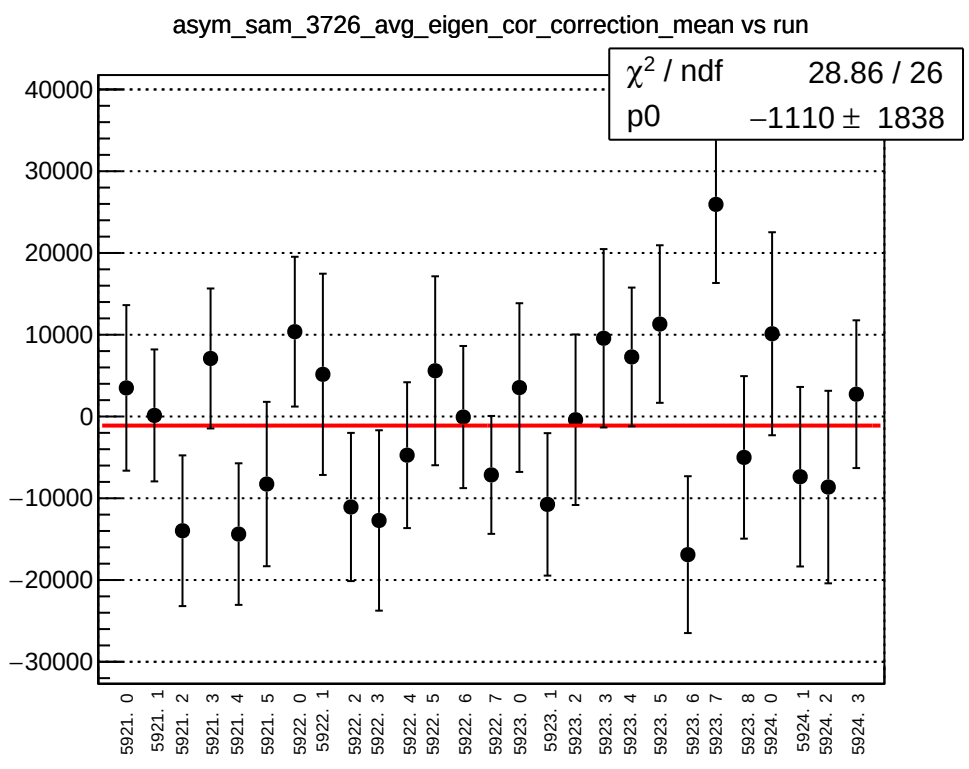

pull1D
Entries 27
Mean 0.02102
Std Dev 1.034
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

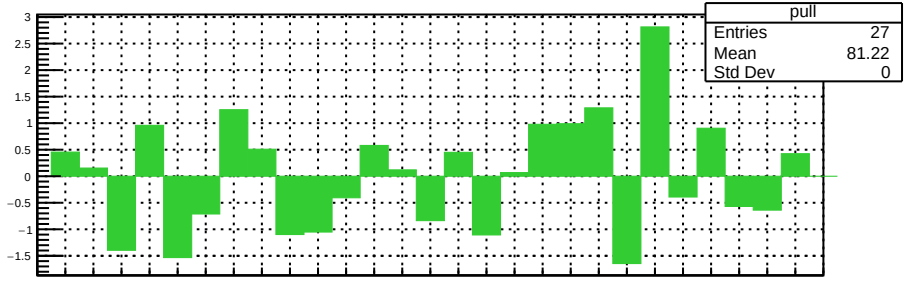

asym_sam_3726_avg_cor_correction_rms vs run
χ² / ndf 7283 / 26
p0 927.9 ± 1.299
1200
1100
1000
900
800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

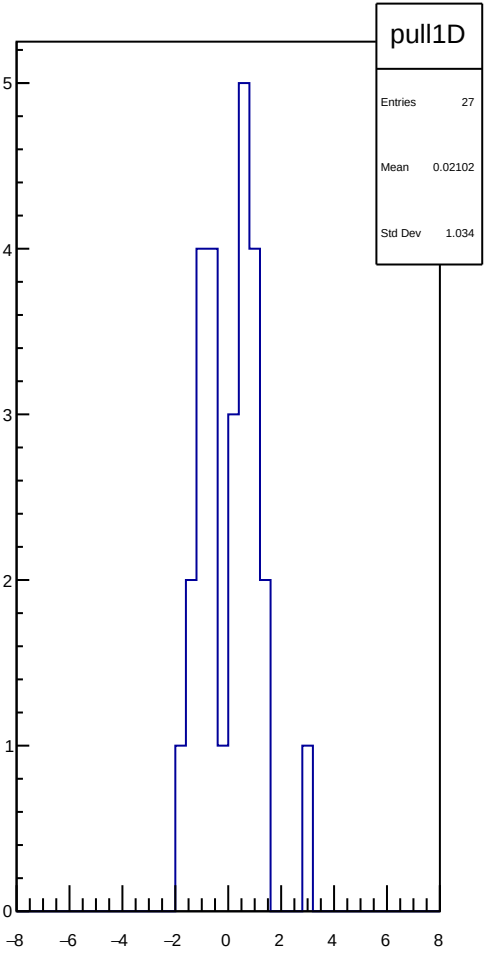

eigen_cor_asym_sam_3726_avg_mean vs run
χ² / ndf 15.4 / 26
p0 −132.3 ± 145.2
1500
1000
500
0
−500
−1000
−1500
−2000
−2500
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −143.7
Std Dev 0
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 27
Mean 0.001568
Std Dev 0.7551
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam_3726_avg_rms vs run
χ² / ndf 2382 / 26
p0 73.68 ± 0.1027
105
100
95
90
85
80
75
70
65
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


asym_sam_3726_avg_eigen_cor_correction_mean vs run
χ² / ndf 28.86 / 26
p0 −1110 ± 1838
40000
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


pull
Entries 27
Mean 81.22
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 27
Mean 0.02102
Std Dev 1.034
5
4
3
2
1
0
−8
−6
−4
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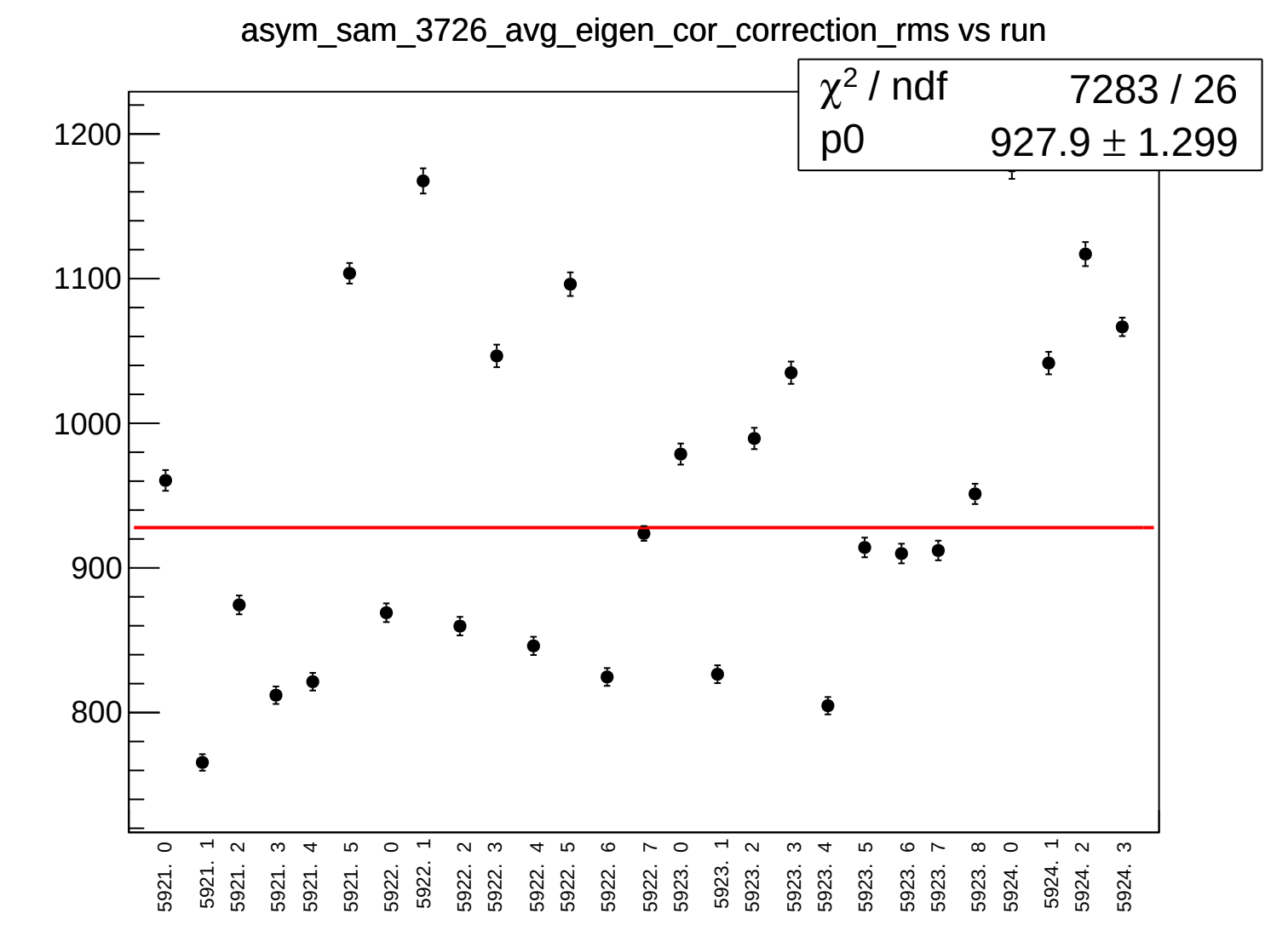
2
4
6
8


asym_sam_3726_avg_eigen_cor_correction_rms vs run
χ² / ndf 7283 / 26
p0 927.9 ± 1.299
1200
1100
1000
900
800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
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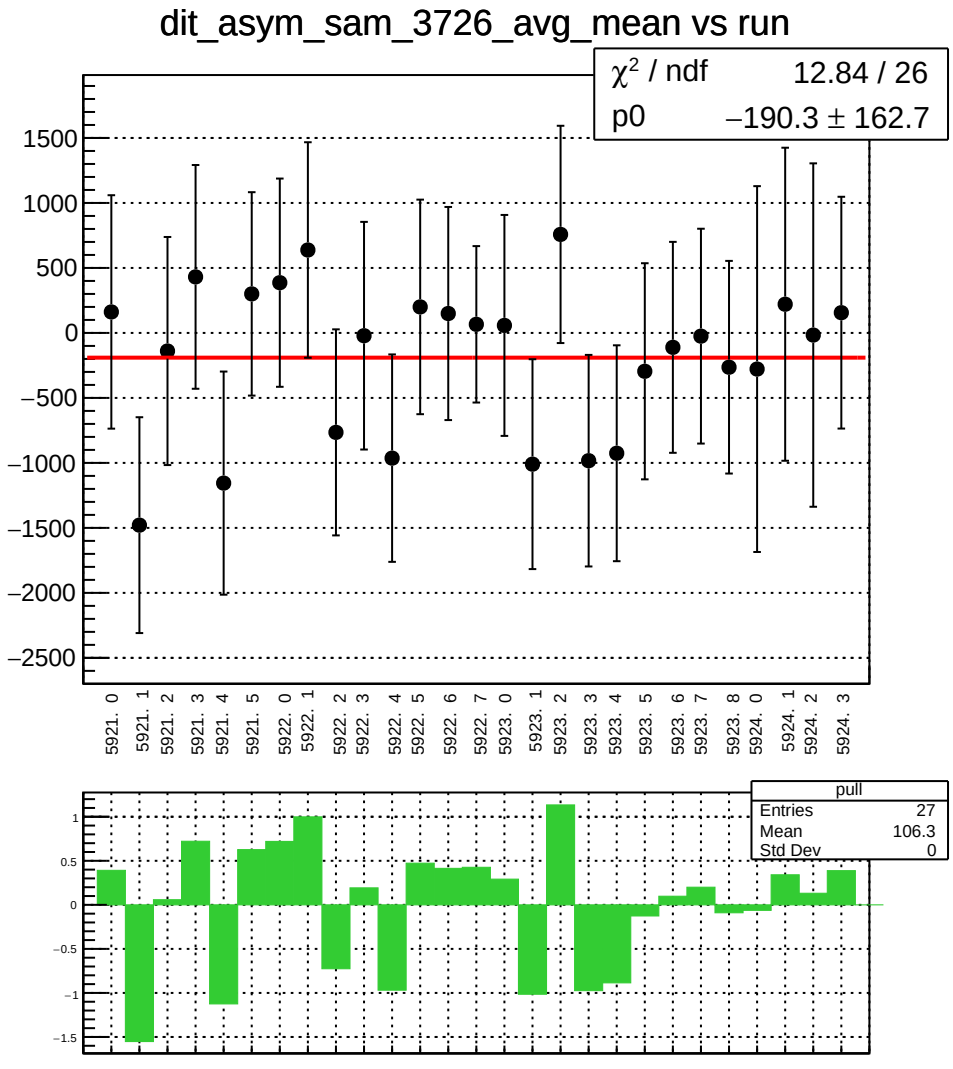
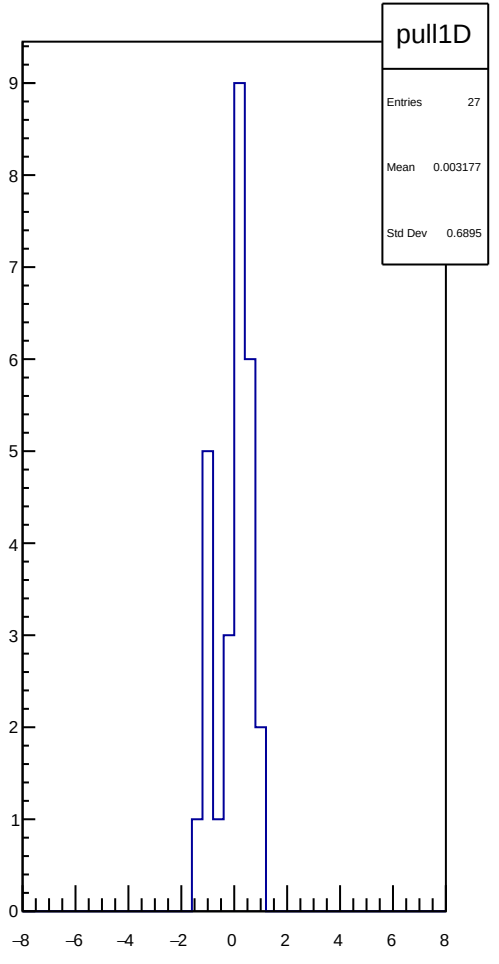
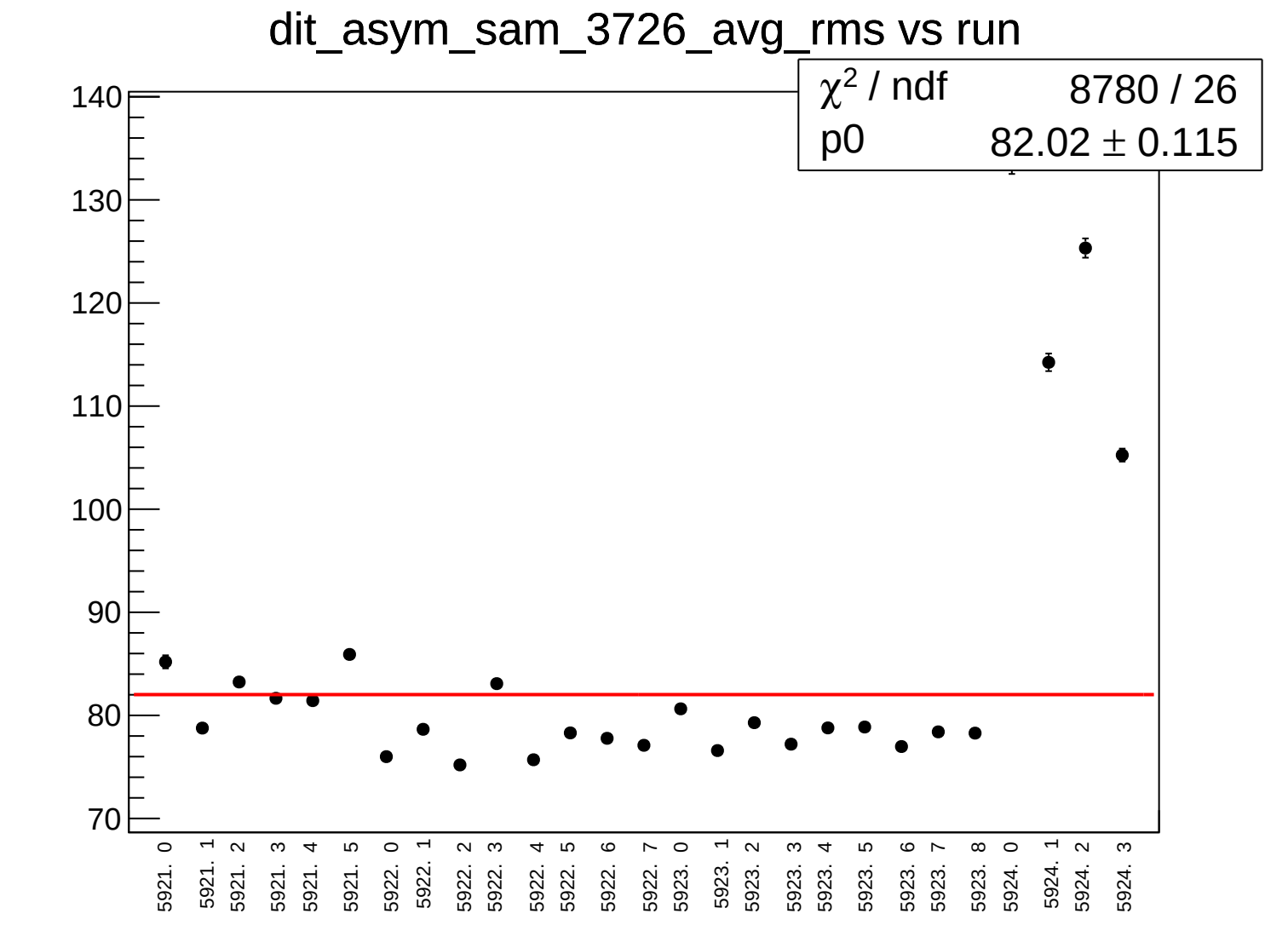
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


dit_asym_sam_3726_avg_mean vs run
χ² / ndf 12.84 / 26
p0 −190.3 ± 162.7
1500
1000
500
0
−500
−1000
−1500
−2000
−2500
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 106.3
Std Dev 0
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 27
Mean 0.003177
Std Dev 0.6895
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam_3726_avg_rms vs run
χ² / ndf 8780 / 26
p0 82.02 ± 0.115
140
130
120
110
100
90
80
70
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
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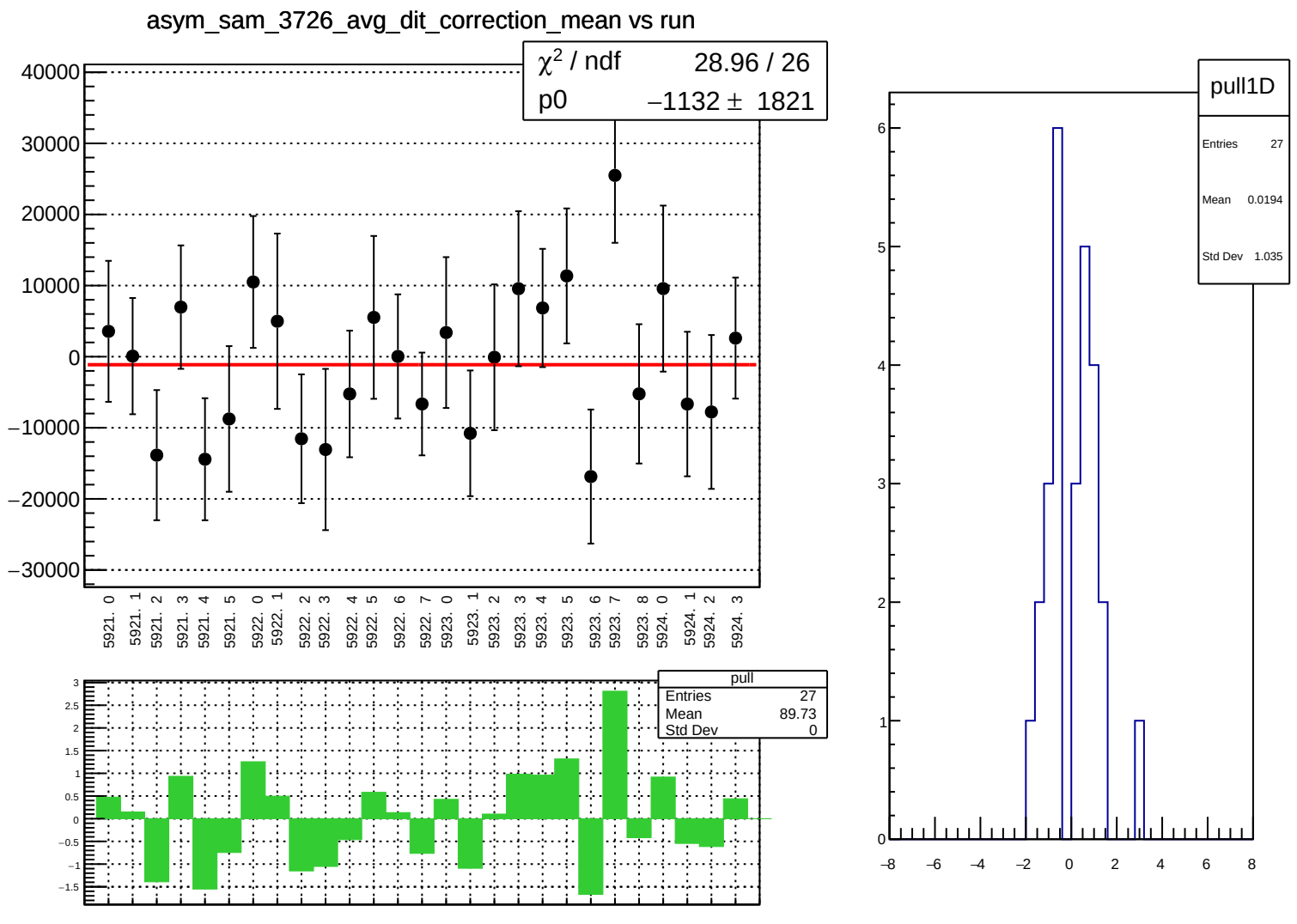
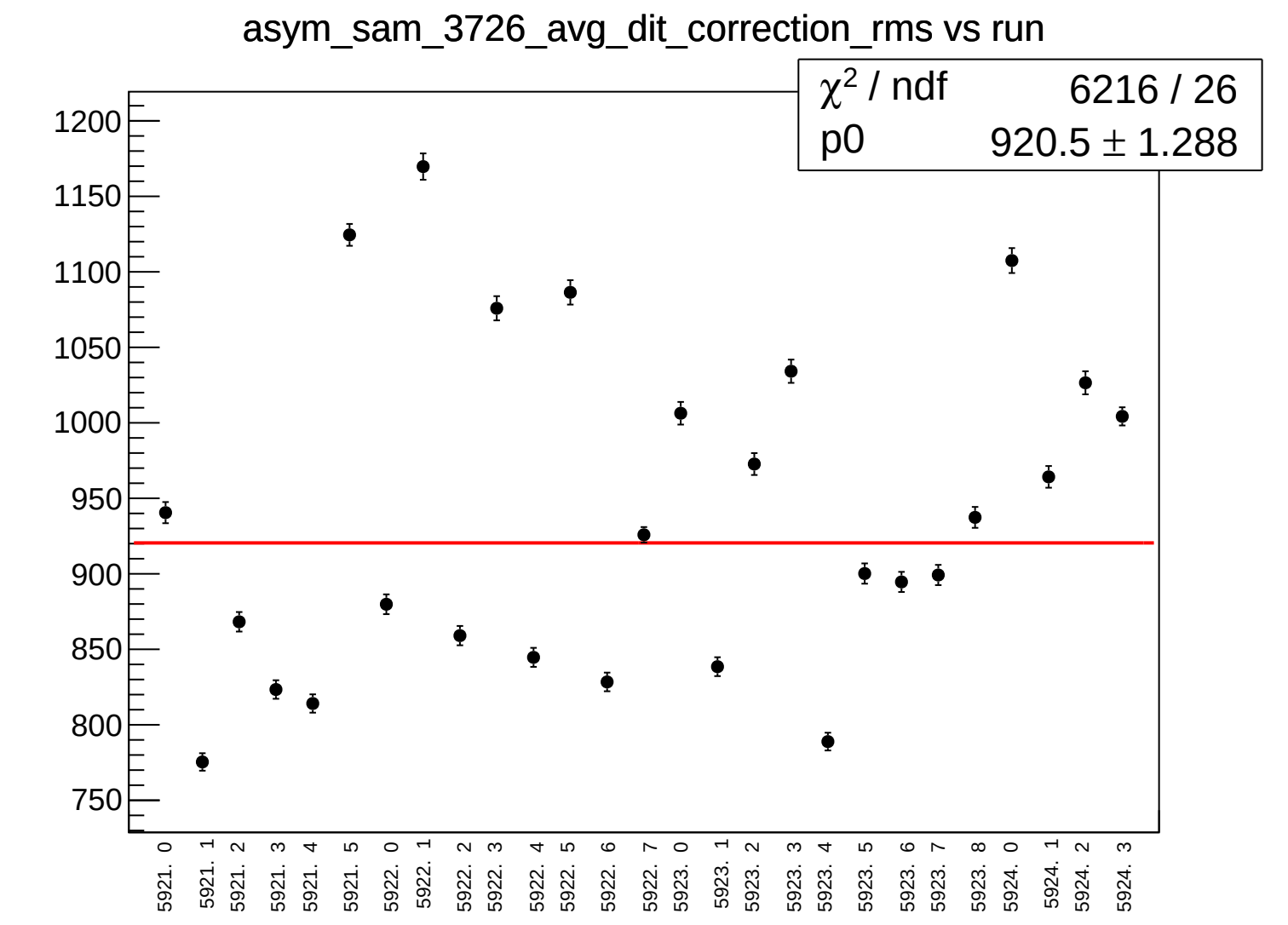
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


asym_sam_3726_avg_dit_correction_mean vs run
χ² / ndf 28.96 / 26
p0 −1132 ± 1821
40000
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 89.73
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.0194
Std Dev 1.035
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_3726_avg_dit_correction_rms vs run
χ² / ndf 6216 / 26
p0 920.5 ± 1.288
1200
1150
1100
1050
1000
950
900
850
800
750
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
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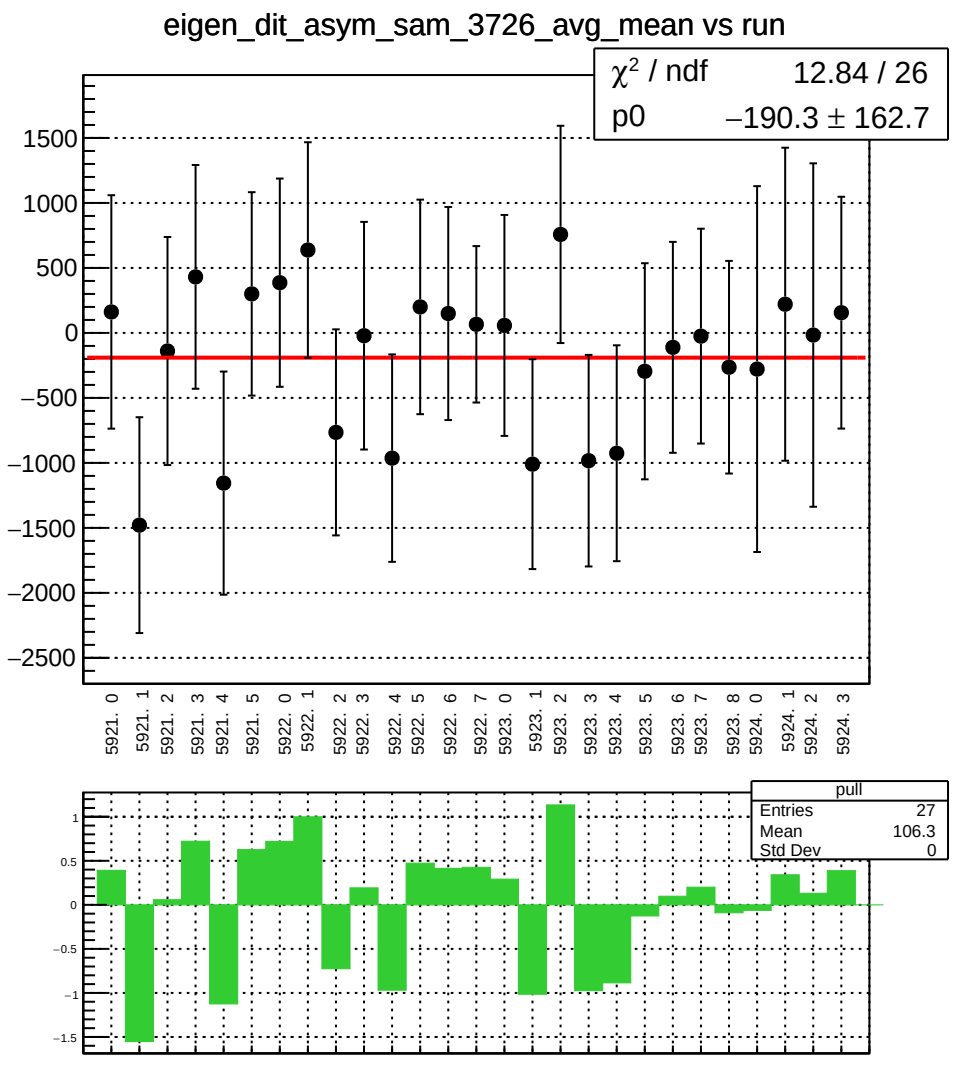
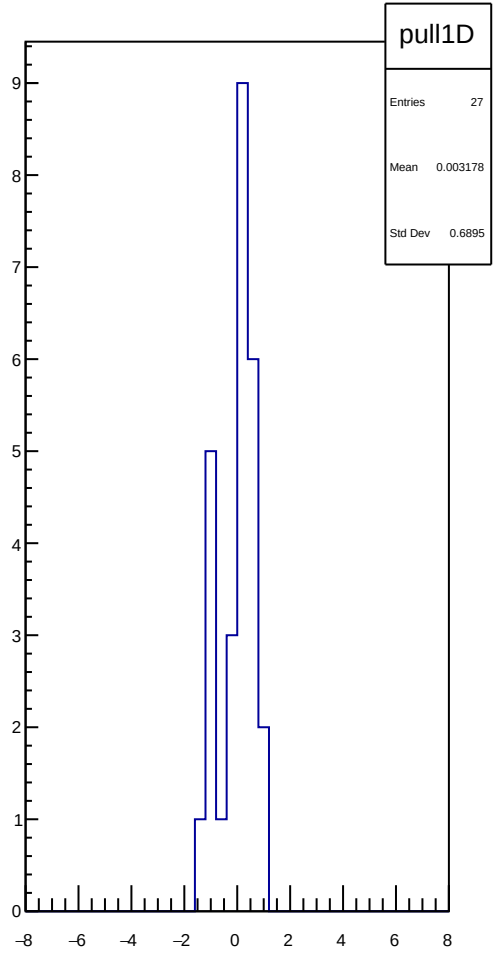
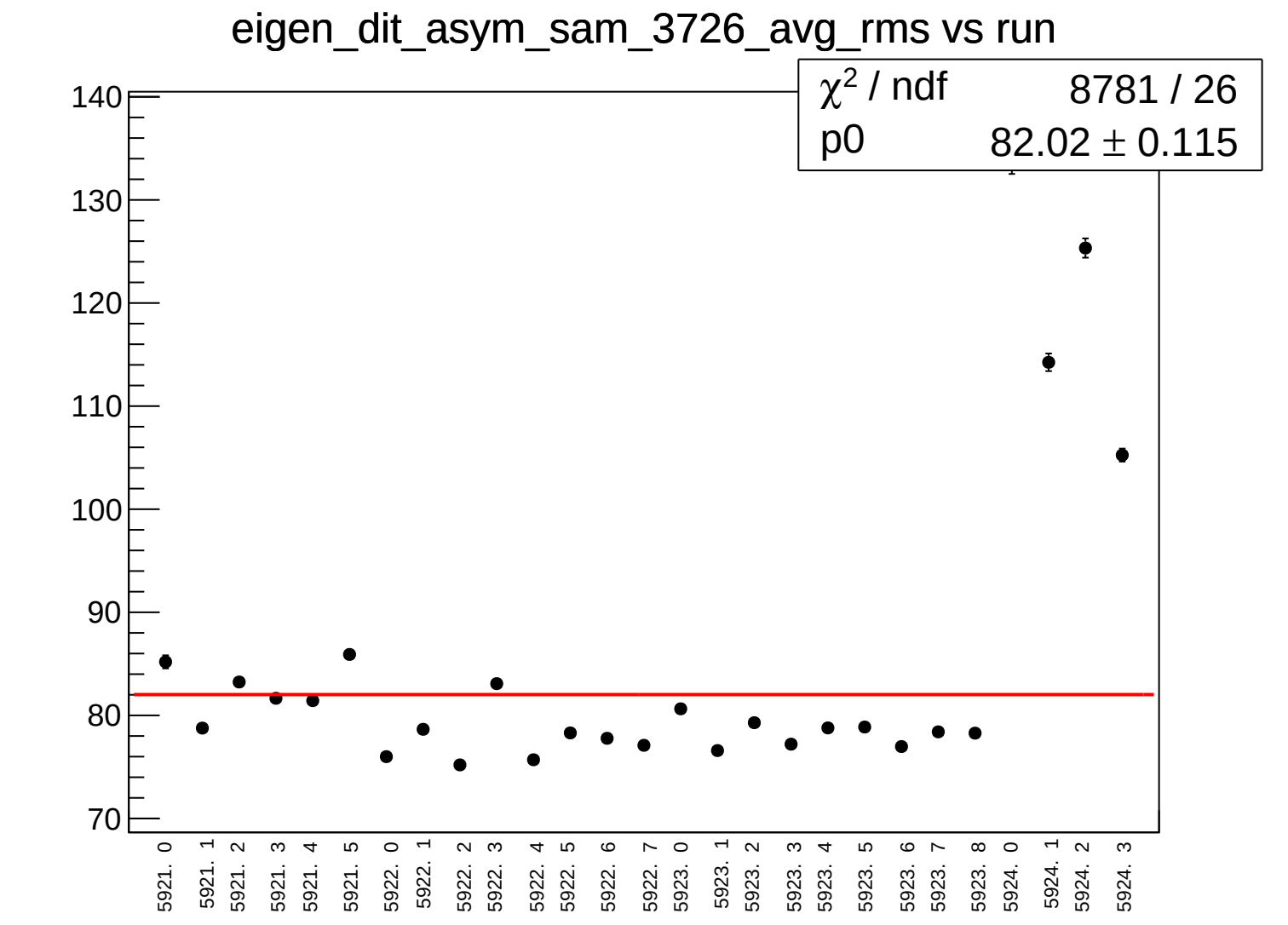
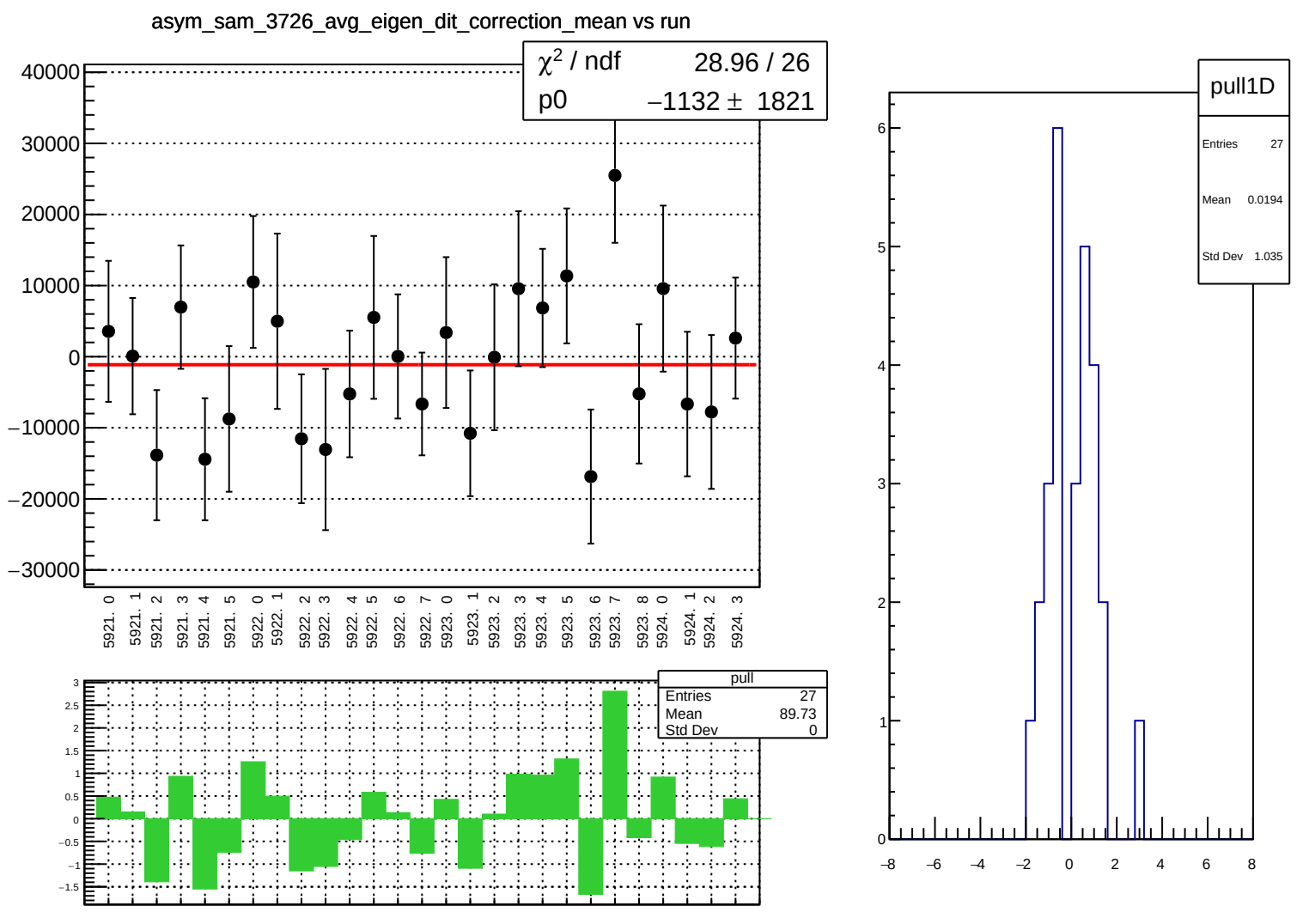
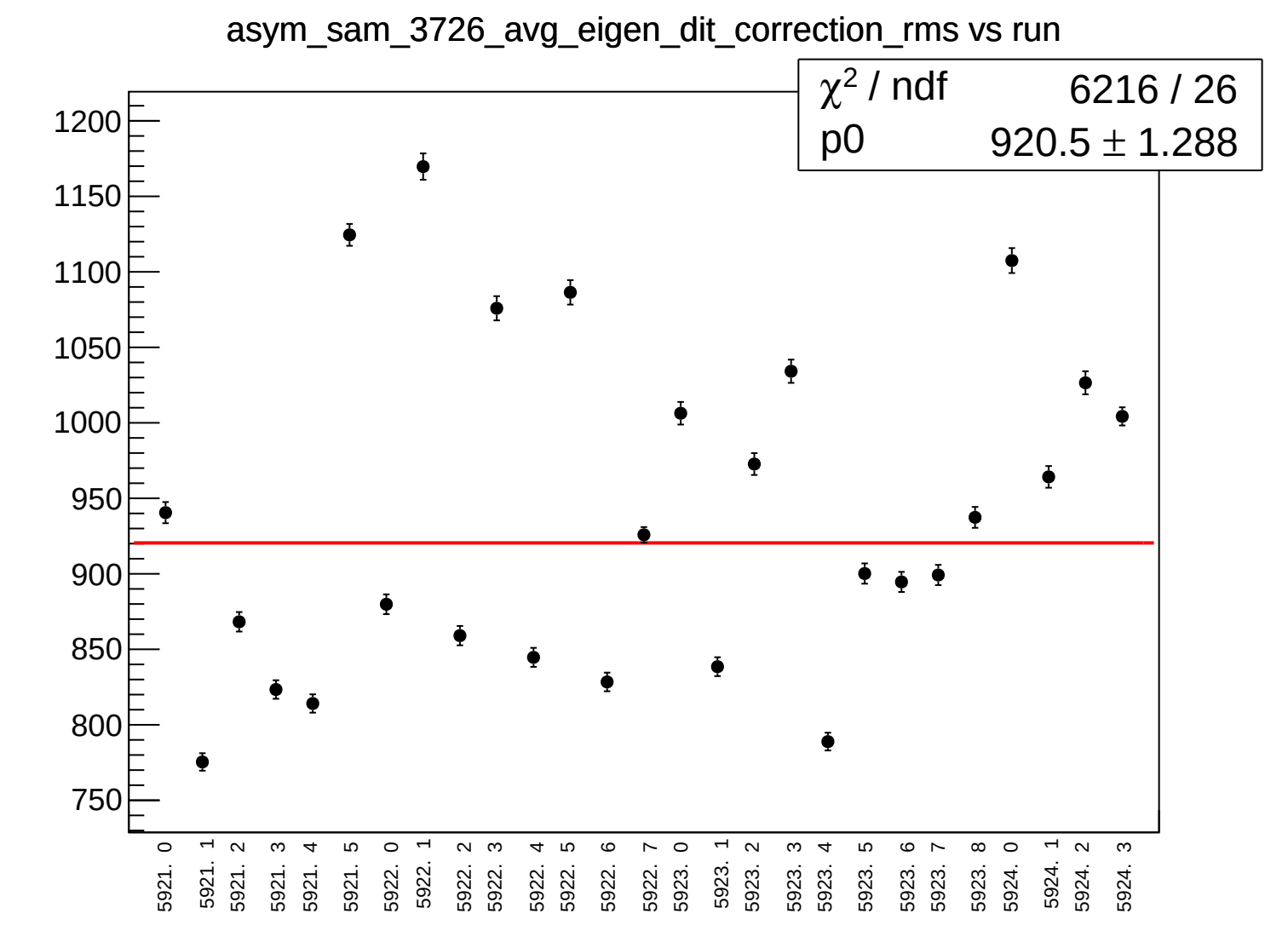
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

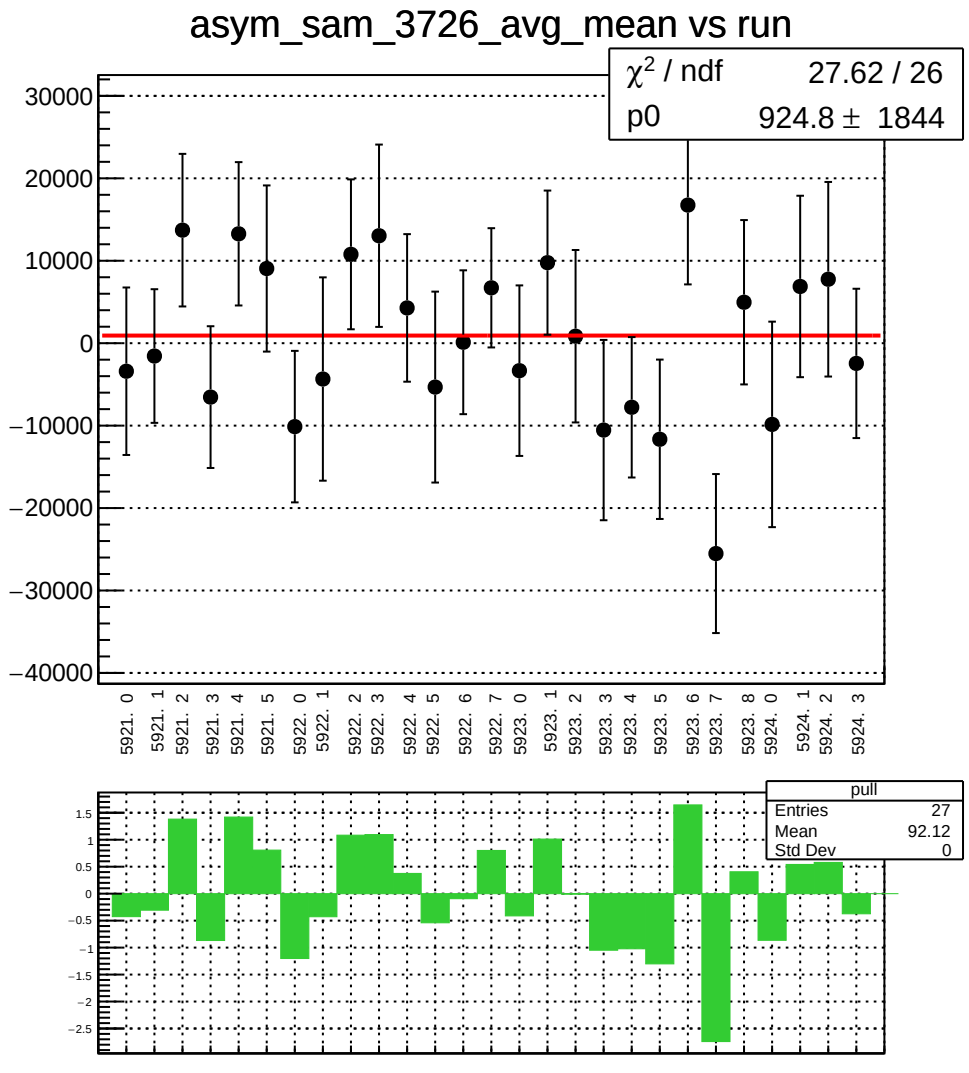

eigen_dit_asym_sam_3726_avg_mean vs run
χ² / ndf 12.84 / 26
p0 −190.3 ± 162.7
1500
1000
500
0
−500
−1000
−1500
−2000
−2500
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 106.3
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

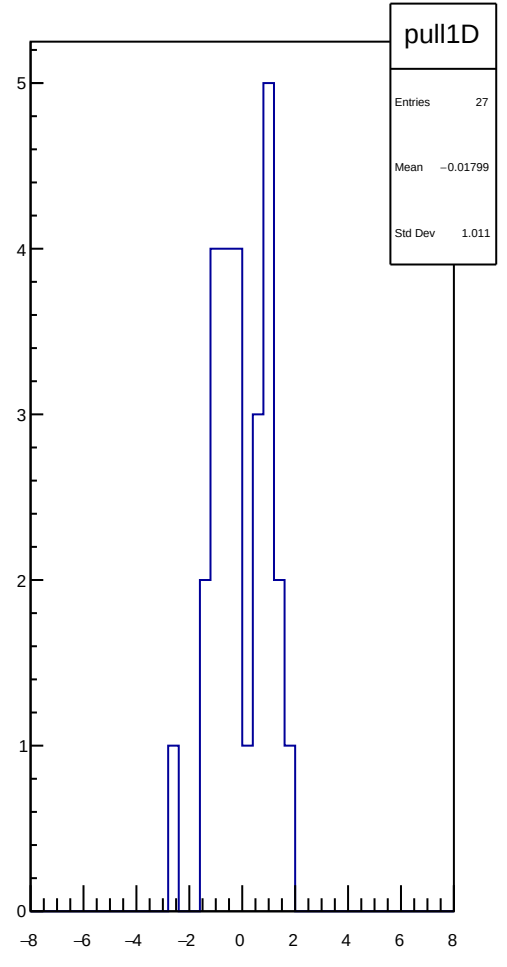

pull1D
Entries 27
Mean 0.003178
Std Dev 0.6895
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

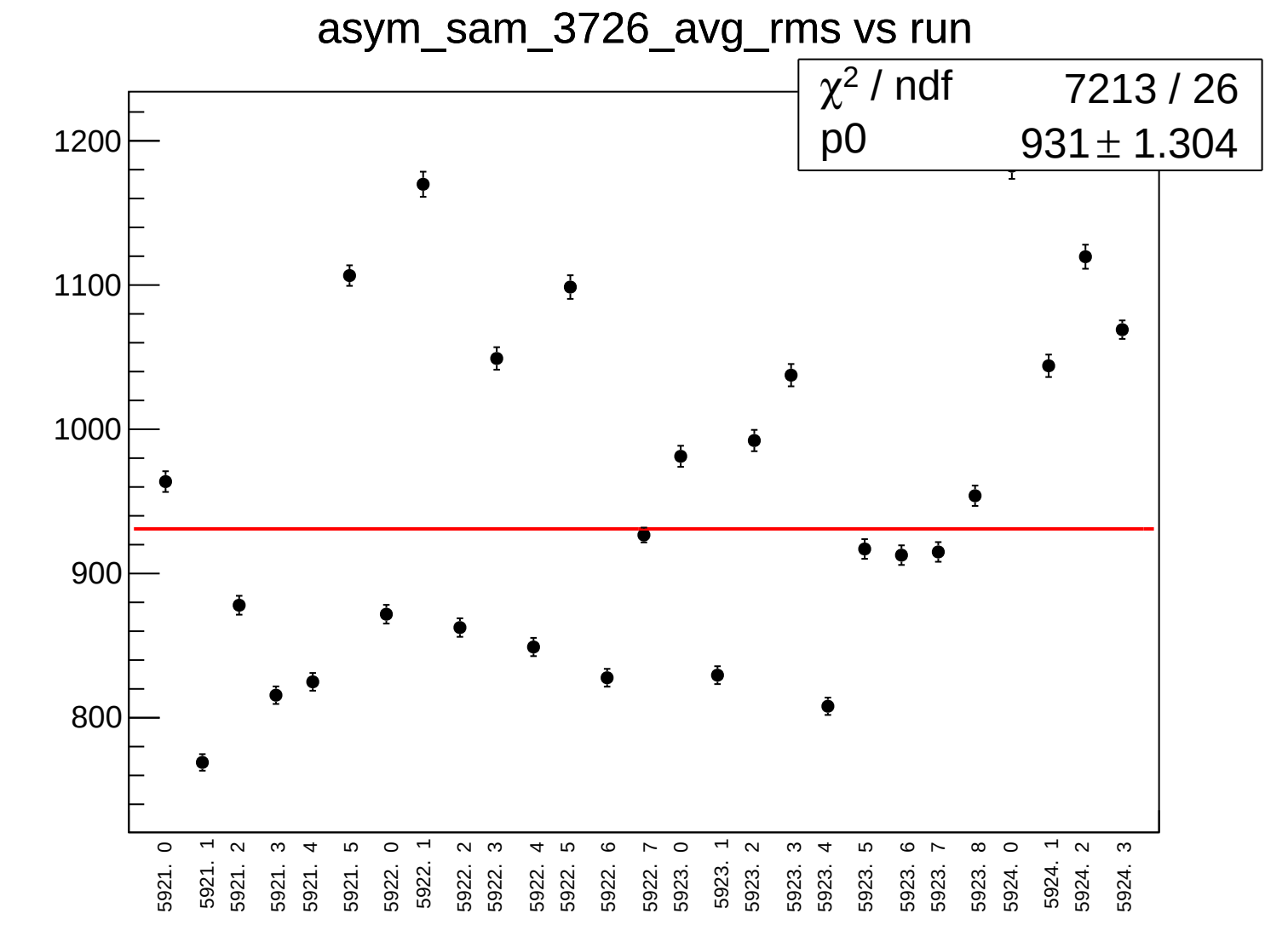

eigen_dit_asym_sam_3726_avg_rms vs run
χ² / ndf 8781 / 26
p0 82.02 ± 0.115
140
130
120
110
100
90
80
70
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

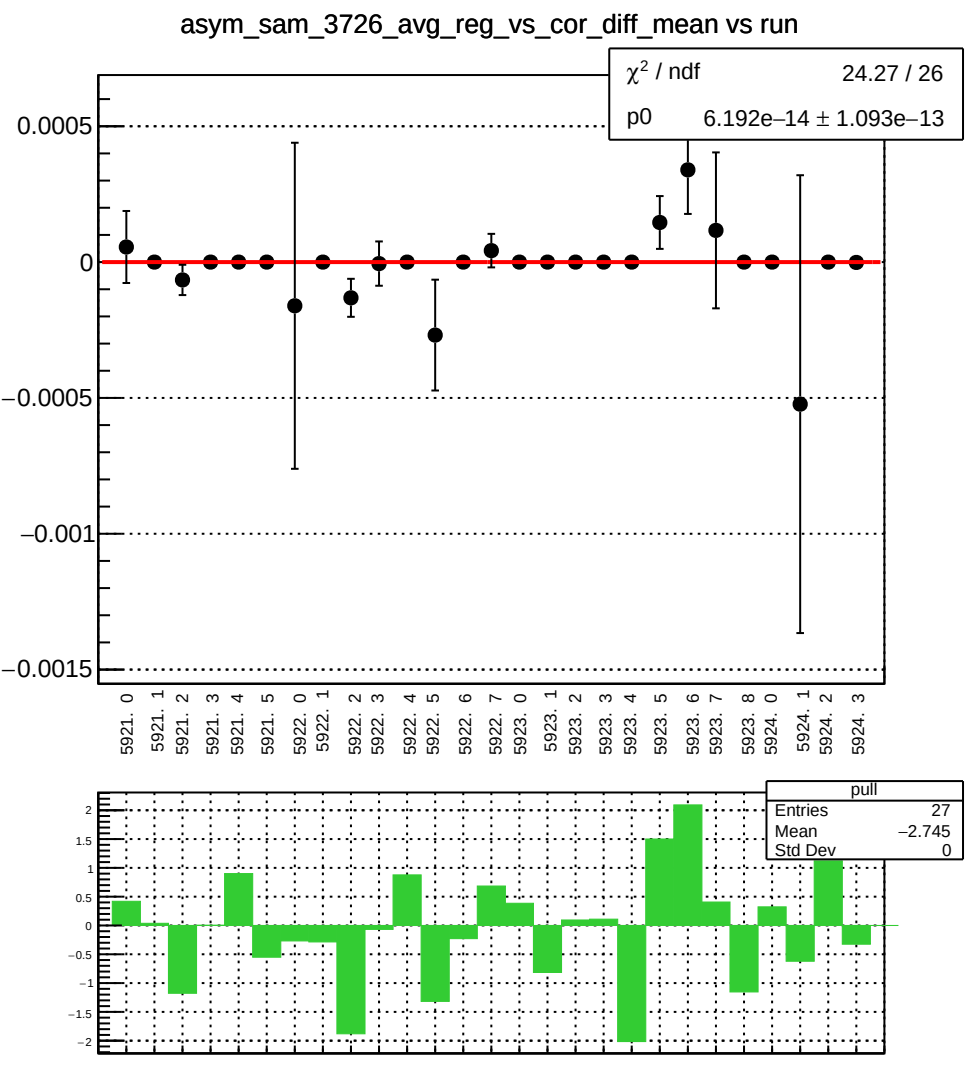

asym_sam_3726_avg_eigen_dit_correction_mean vs run
χ² / ndf 28.96 / 26
p0 −1132 ± 1821
40000
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 89.73
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.0194
Std Dev 1.035
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

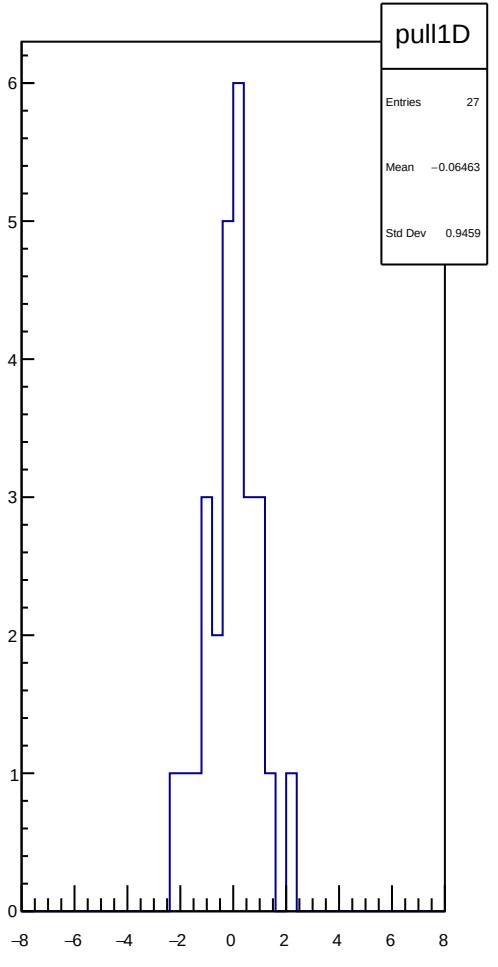

asym_sam_3726_avg_eigen_dit_correction_rms vs run
χ² / ndf 6216 / 26
p0 920.5 ± 1.288
1200
1150
1100
1050
1000
950
900
850
800
750
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

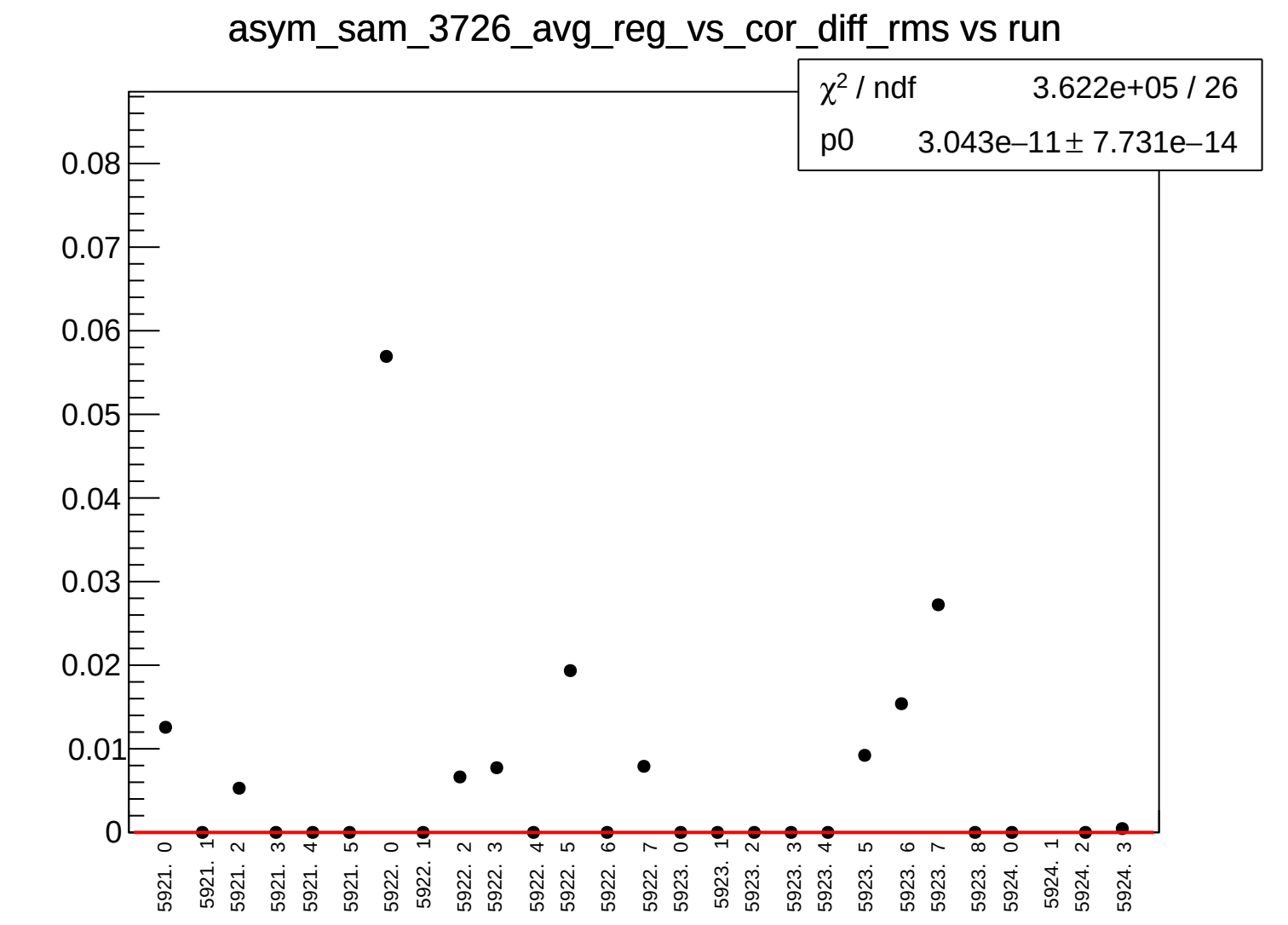

asym_sam_3726_avg_mean vs run
χ² / ndf 27.62 / 26
p0 924.8 ± 1844
30000
20000
10000
0
−10000
−20000
−30000
−40000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 92.12
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

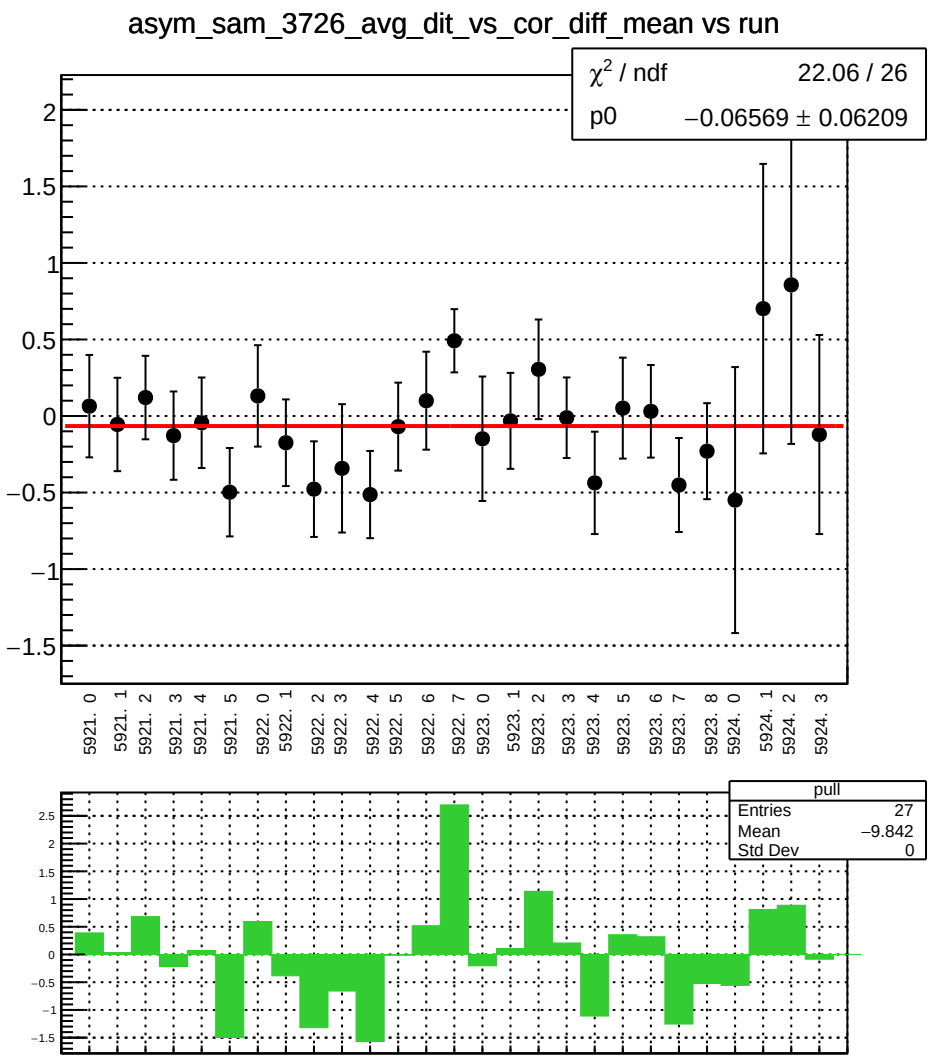

pull1D
Entries 27
Mean −0.01799
Std Dev 1.011
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

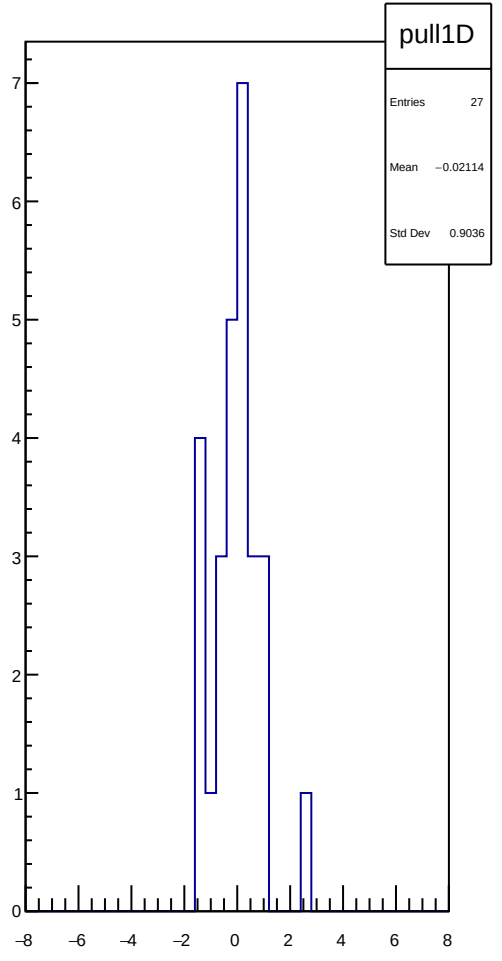

asym_sam_3726_avg_rms vs run
χ² / ndf 7213 / 26
p0 931 ± 1.304
1200
1100
1000
900
800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

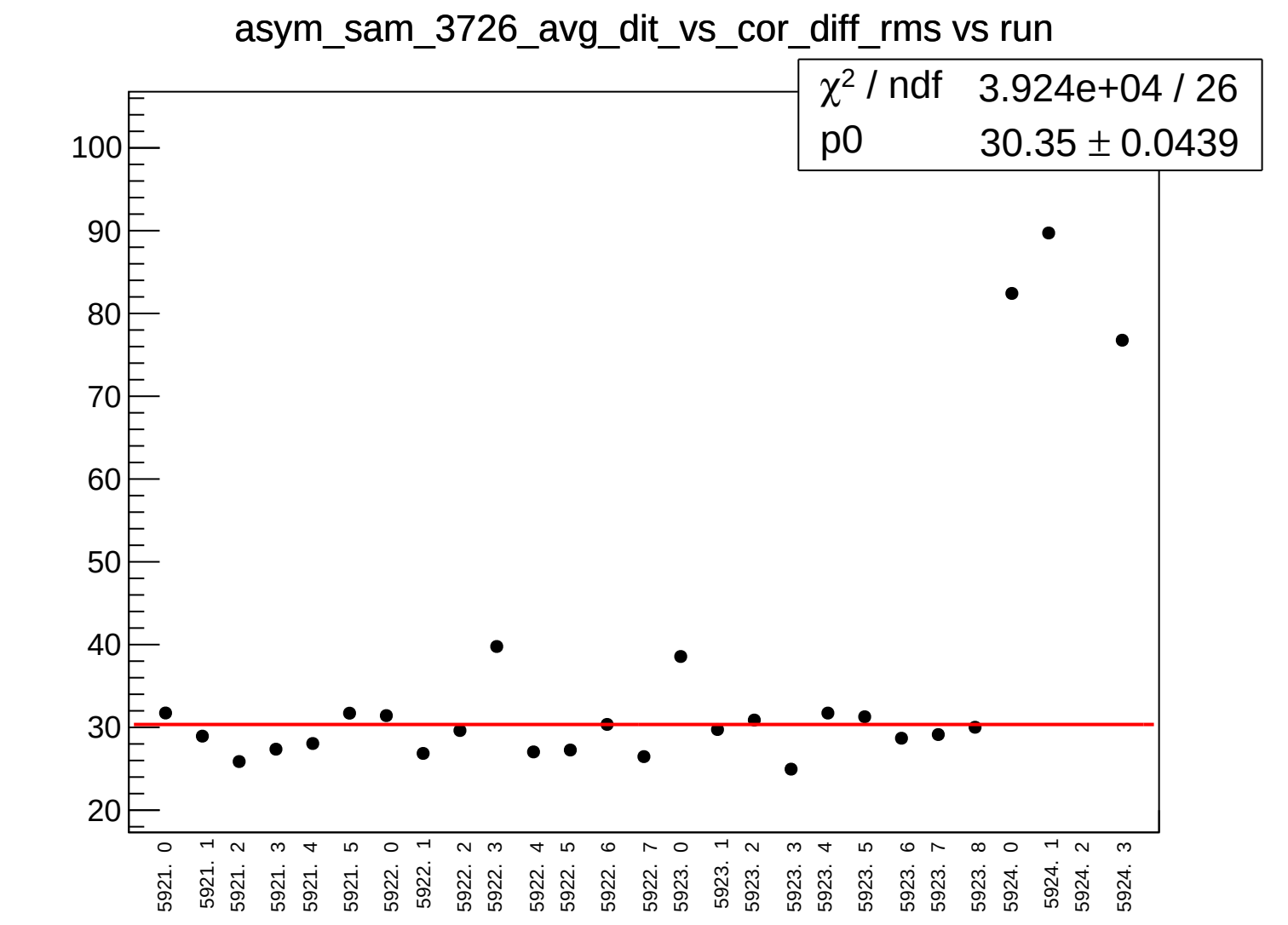

asym_sam_3726_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 24.27 / 26
p0 6.192e−14 ± 1.093e−13
0.0005
0
−0.0005
−0.001
−0.0015
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −2.745
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

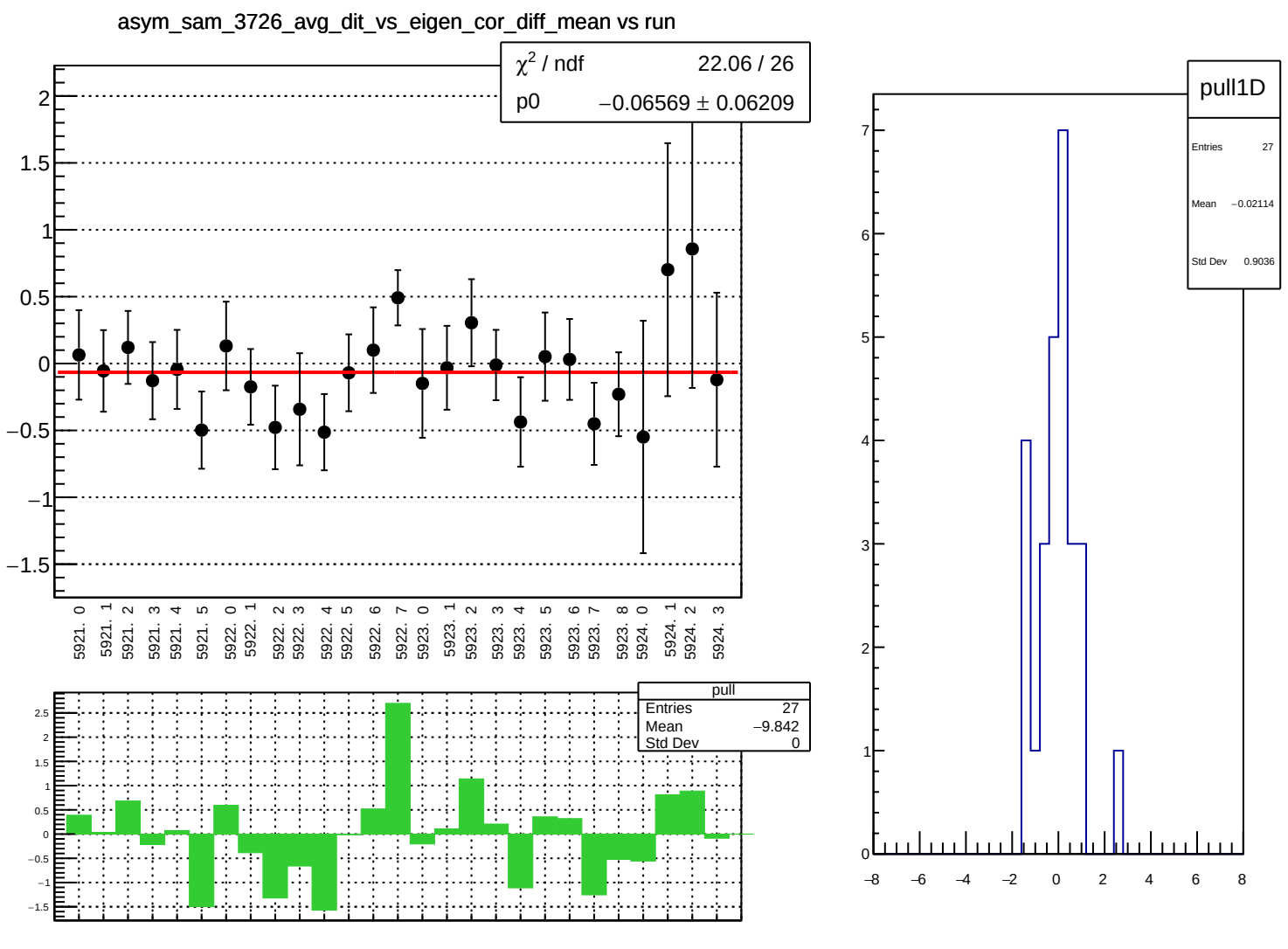

pull1D
Entries 27
Mean −0.06463
Std Dev 0.9459
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

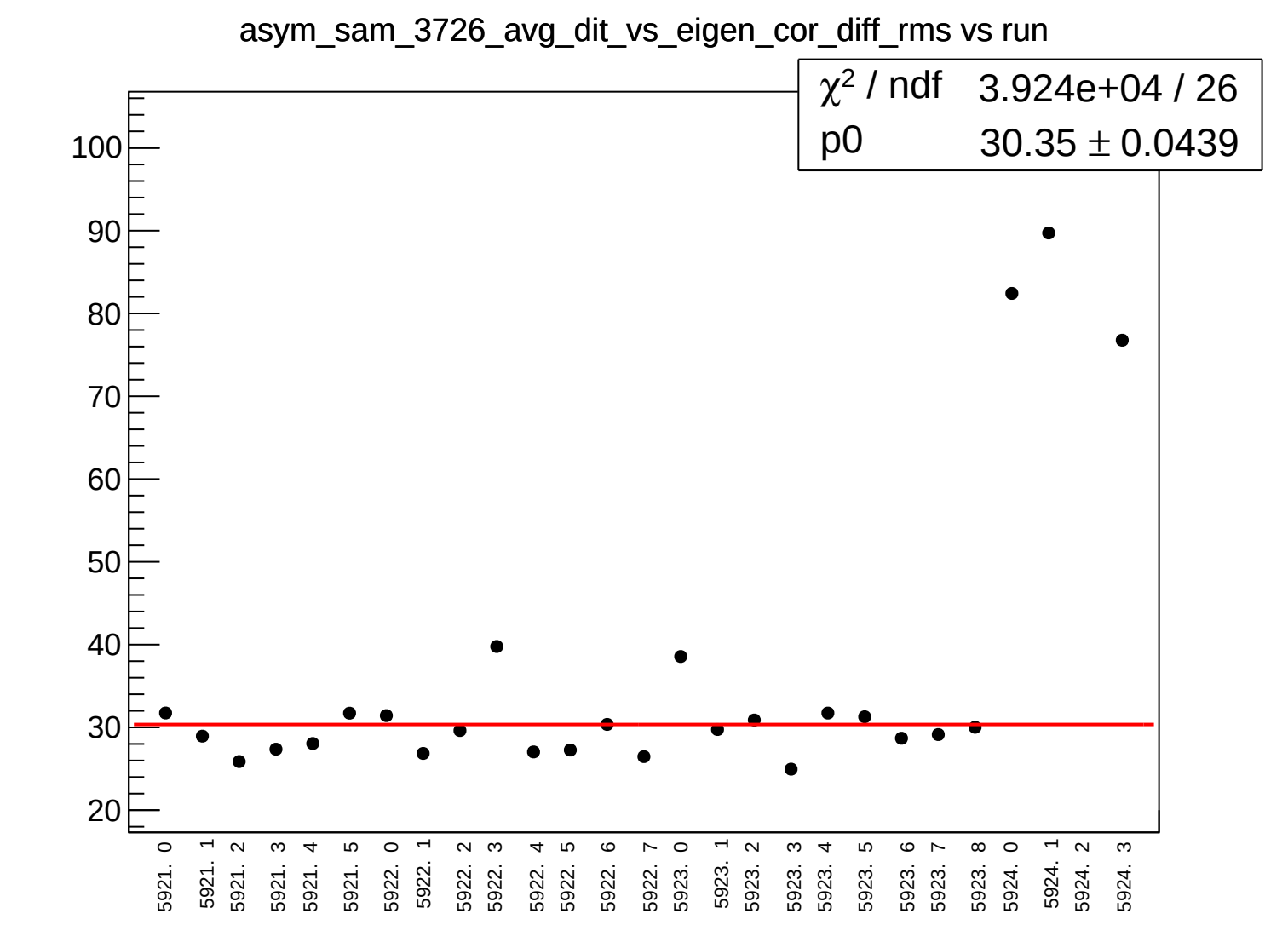

asym_sam_3726_avg_reg_vs_cor_diff_rms vs run
χ2 / ndf 3.622e+05 / 26
p0 3.043e−11 ± 7.731e−14
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

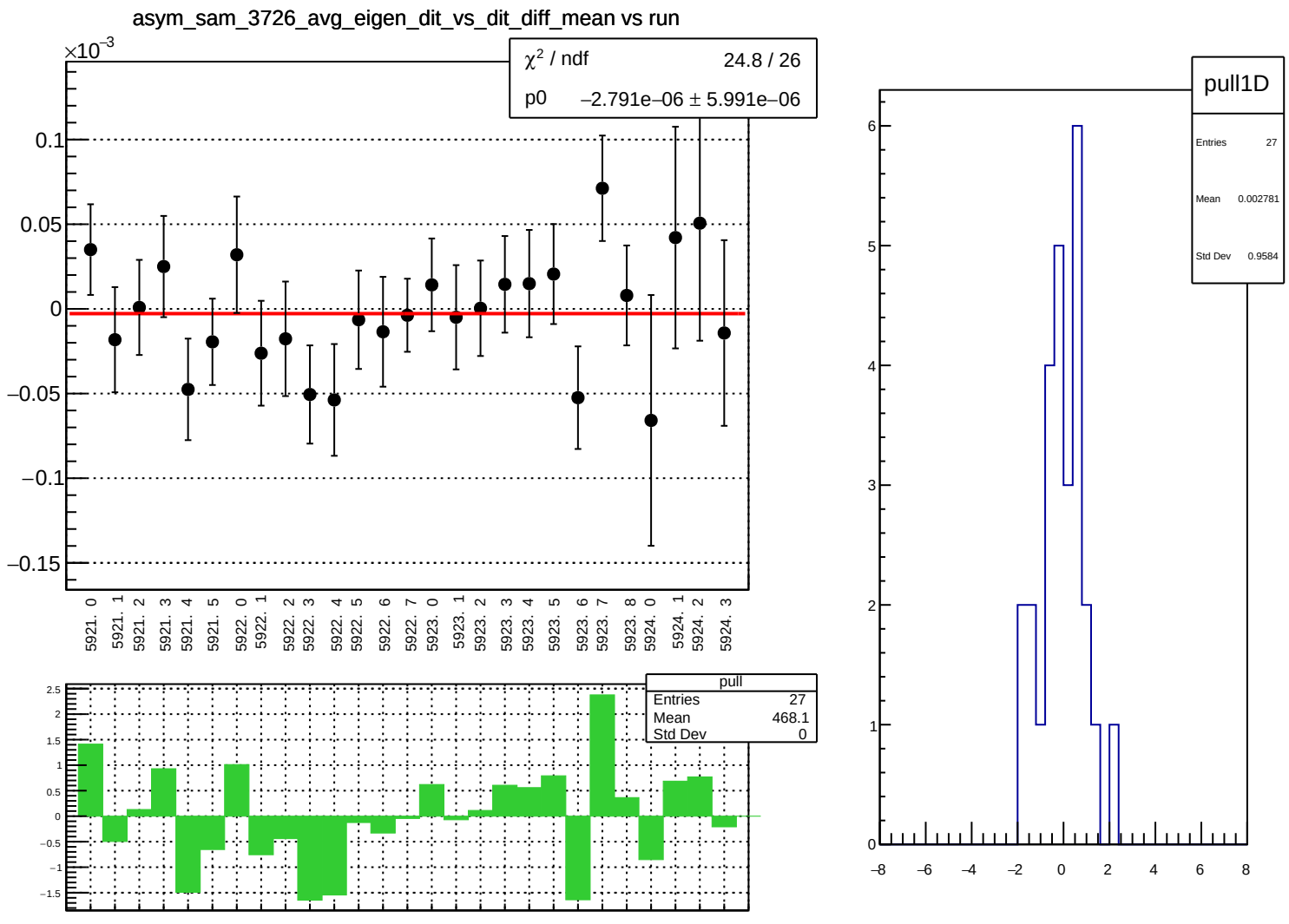

asym_sam_3726_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 22.06 / 26
p0 −0.06569 ± 0.06209
2
1.5
1
0.5
0
−0.5
−1
−1.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −9.842
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

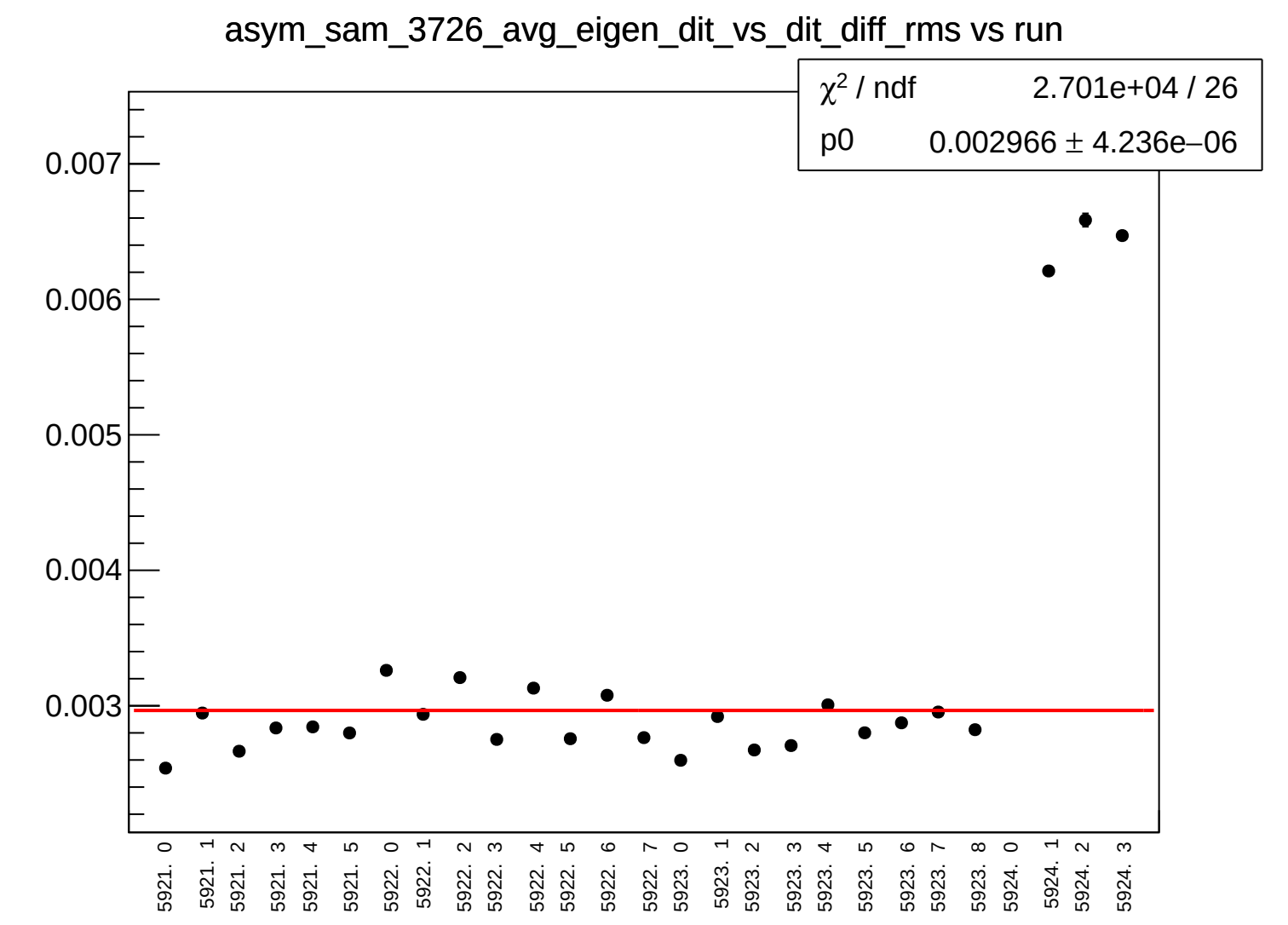

pull1D
Entries 27
Mean −0.02114
Std Dev 0.9036
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

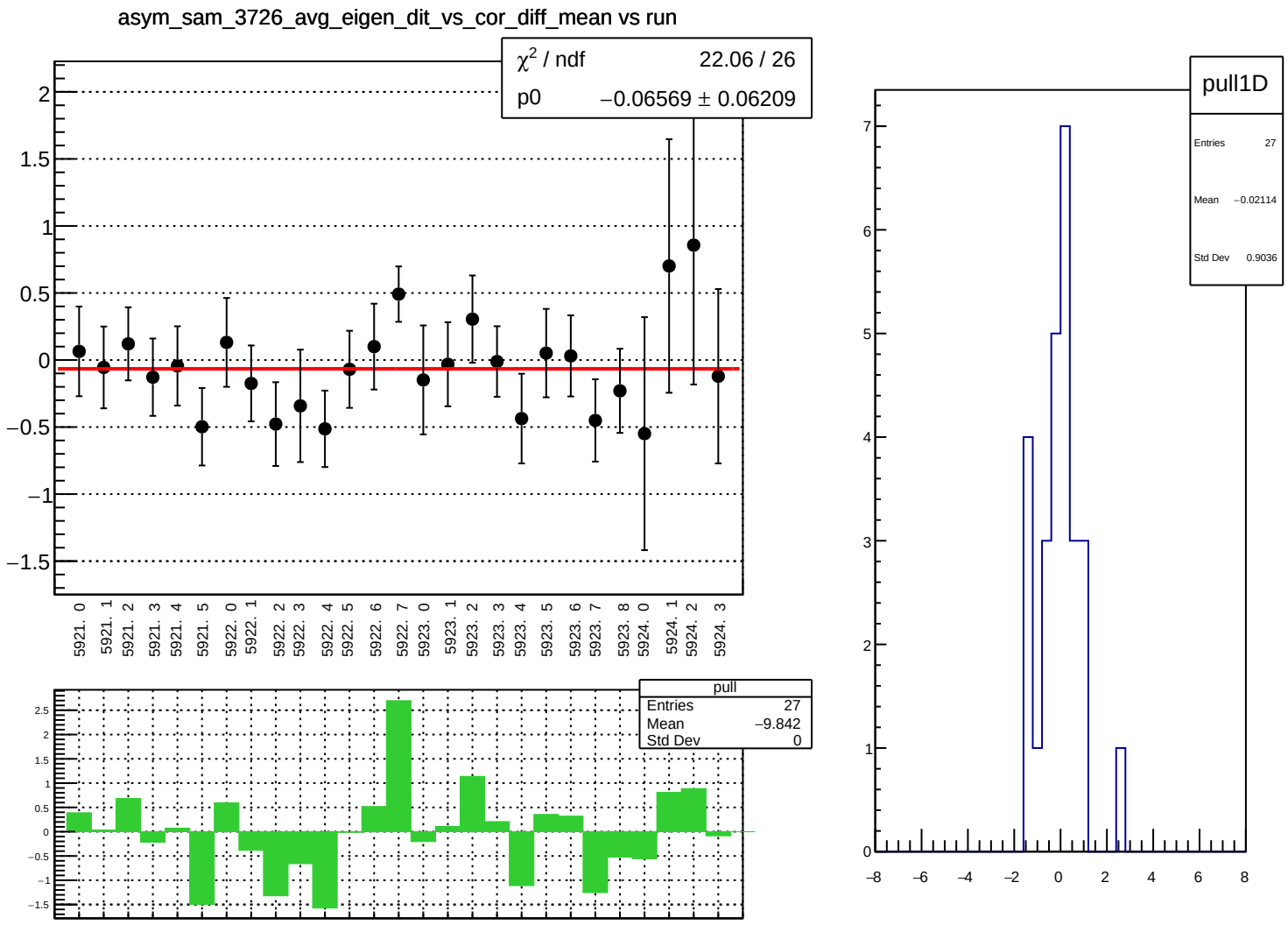

asym_sam_3726_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.924e+04 / 26
p0 30.35 ± 0.0439
100
90
80
70
60
50
40
30
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

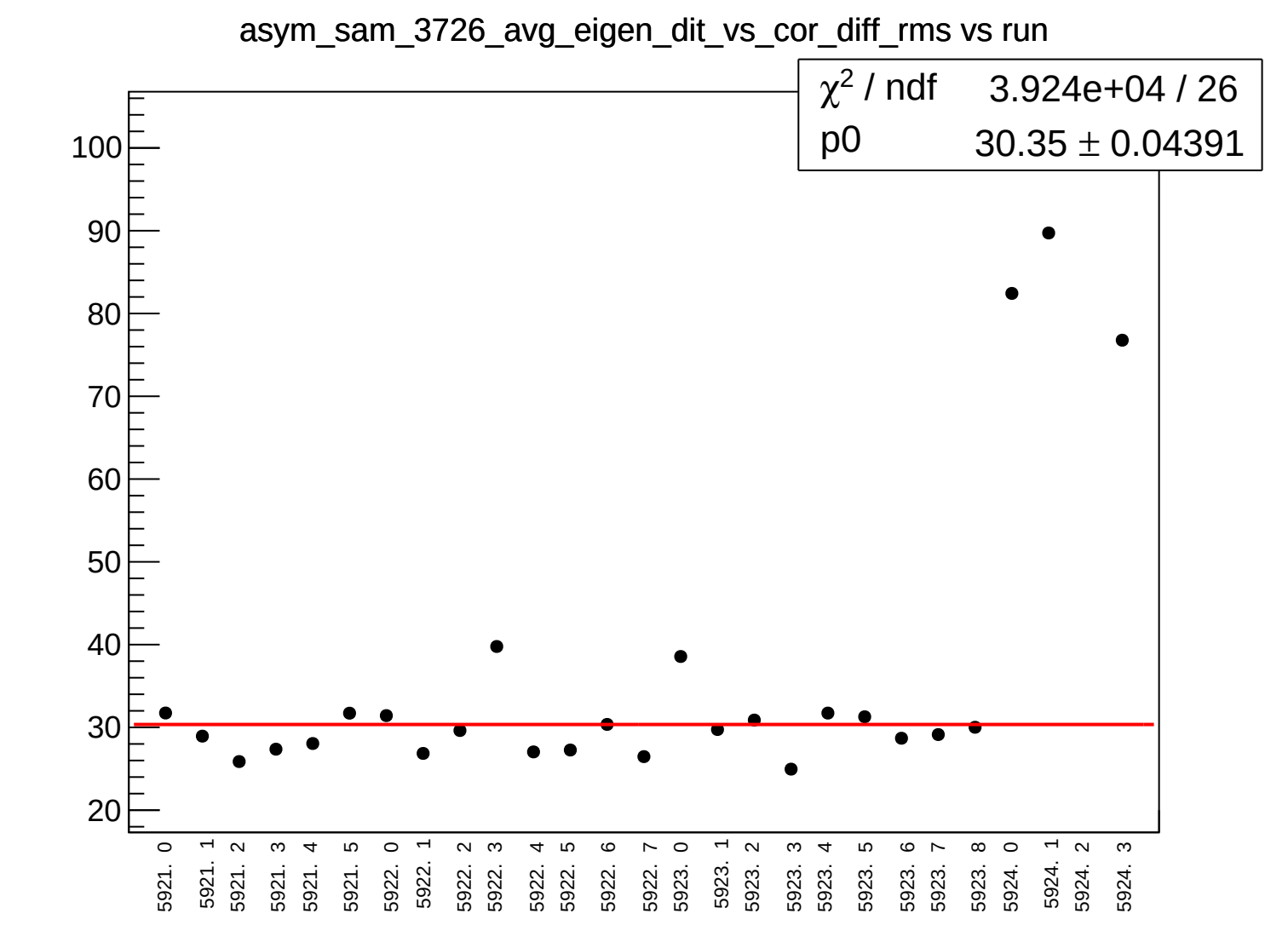

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 22.06 / 26
p0 −0.06569 ± 0.06209
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −9.842
Std Dev 0
pull1D
Entries 27
Mean −0.02114
Std Dev 0.9036

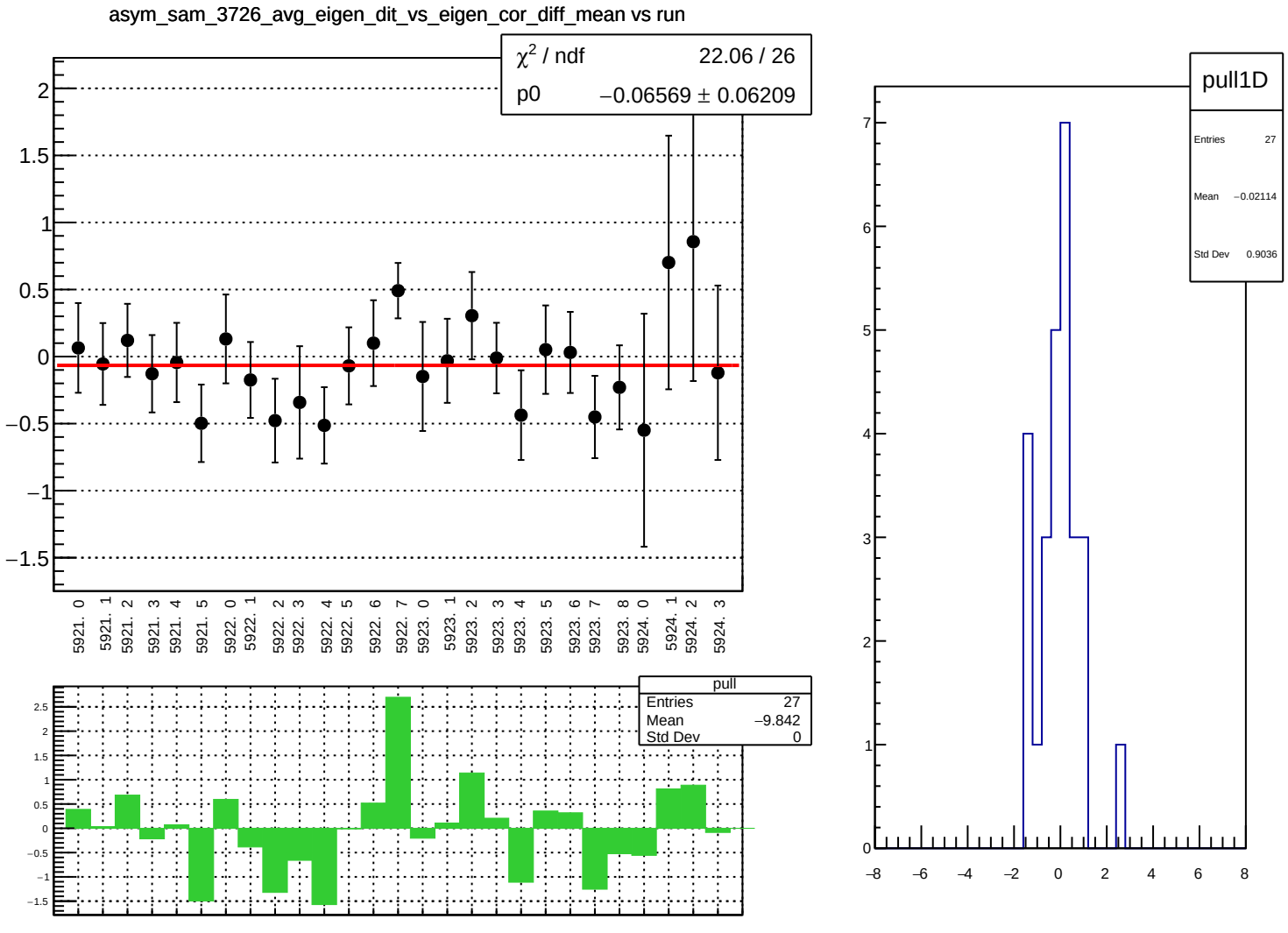

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.924e+04 / 26
p0 30.35 ± 0.0439
100
90
80
70
60
50
40
30
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

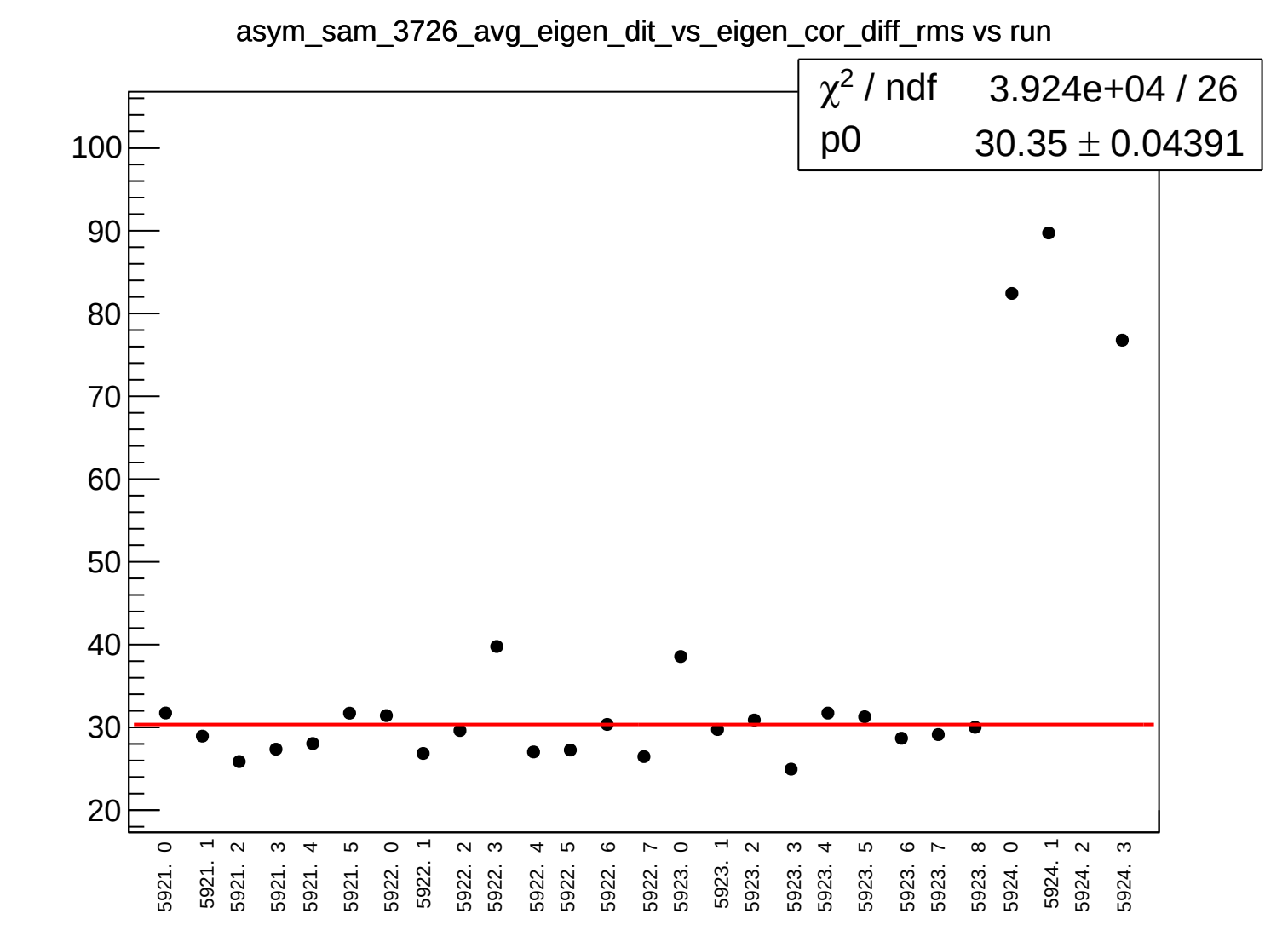

asym_sam_3726_avg_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 24.8 / 26
p0 −2.791e−06 ± 5.991e−06
0.1
0.05
0
−0.05
−0.1
−0.15
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 468.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.002781
Std Dev 0.9584
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

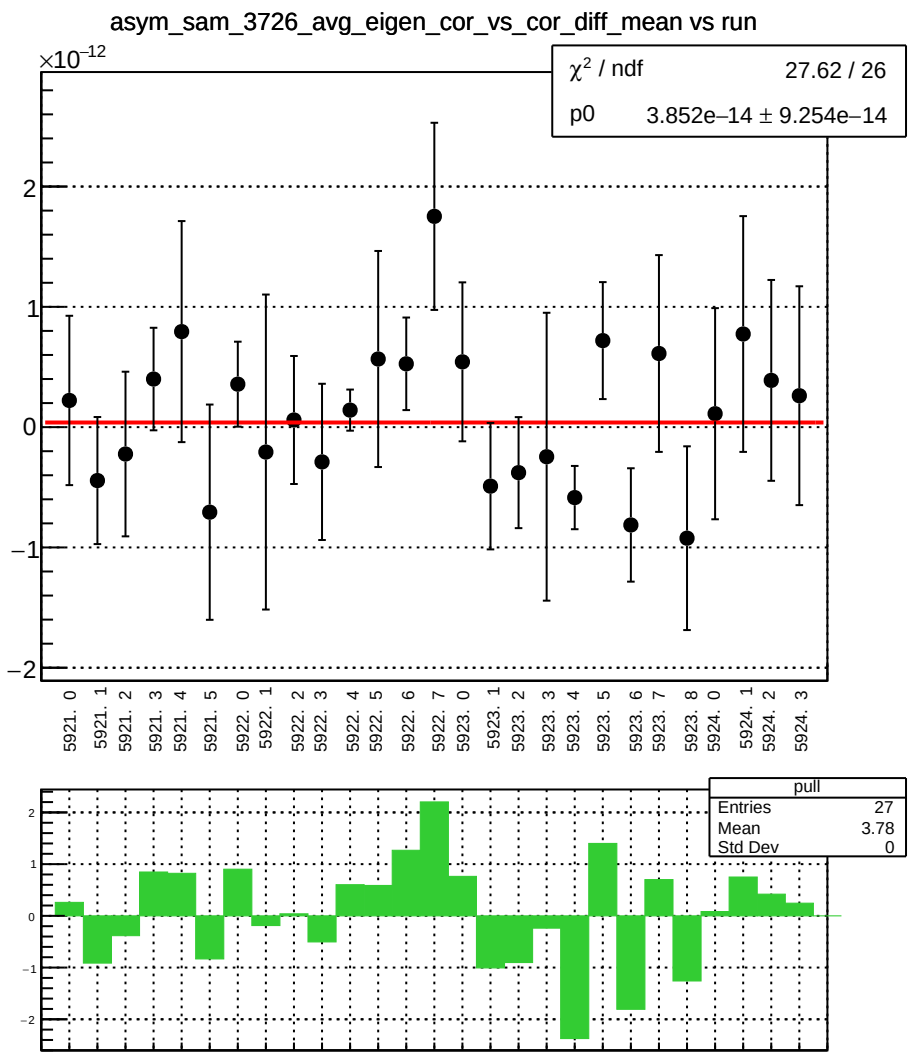

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.701e+04 / 26
p0 0.002966 ± 4.236e−06
0.007
0.006
0.005
0.004
0.003
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

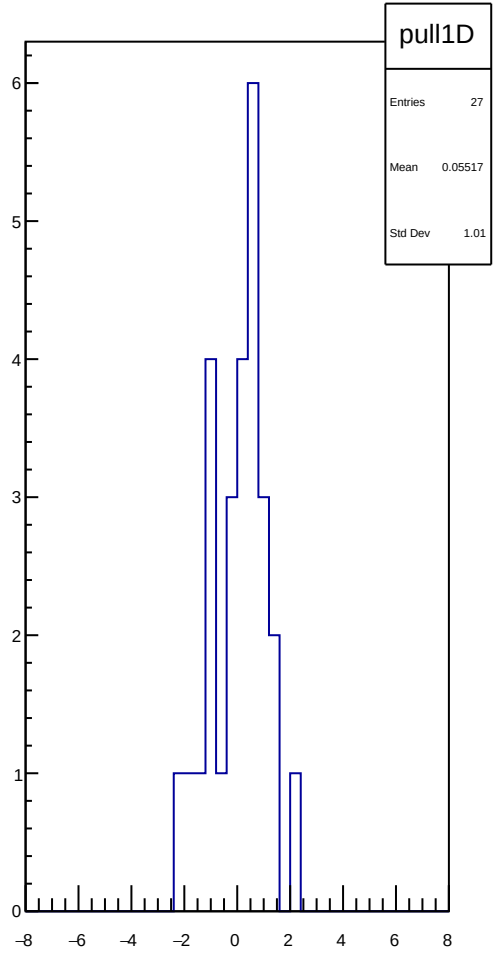

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 22.06 / 26
p0 −0.06569 ± 0.06209
pull
Entries 27
Mean −9.842
Std Dev 0
pull1D
Entries 27
Mean −0.02114
Std Dev 0.9036

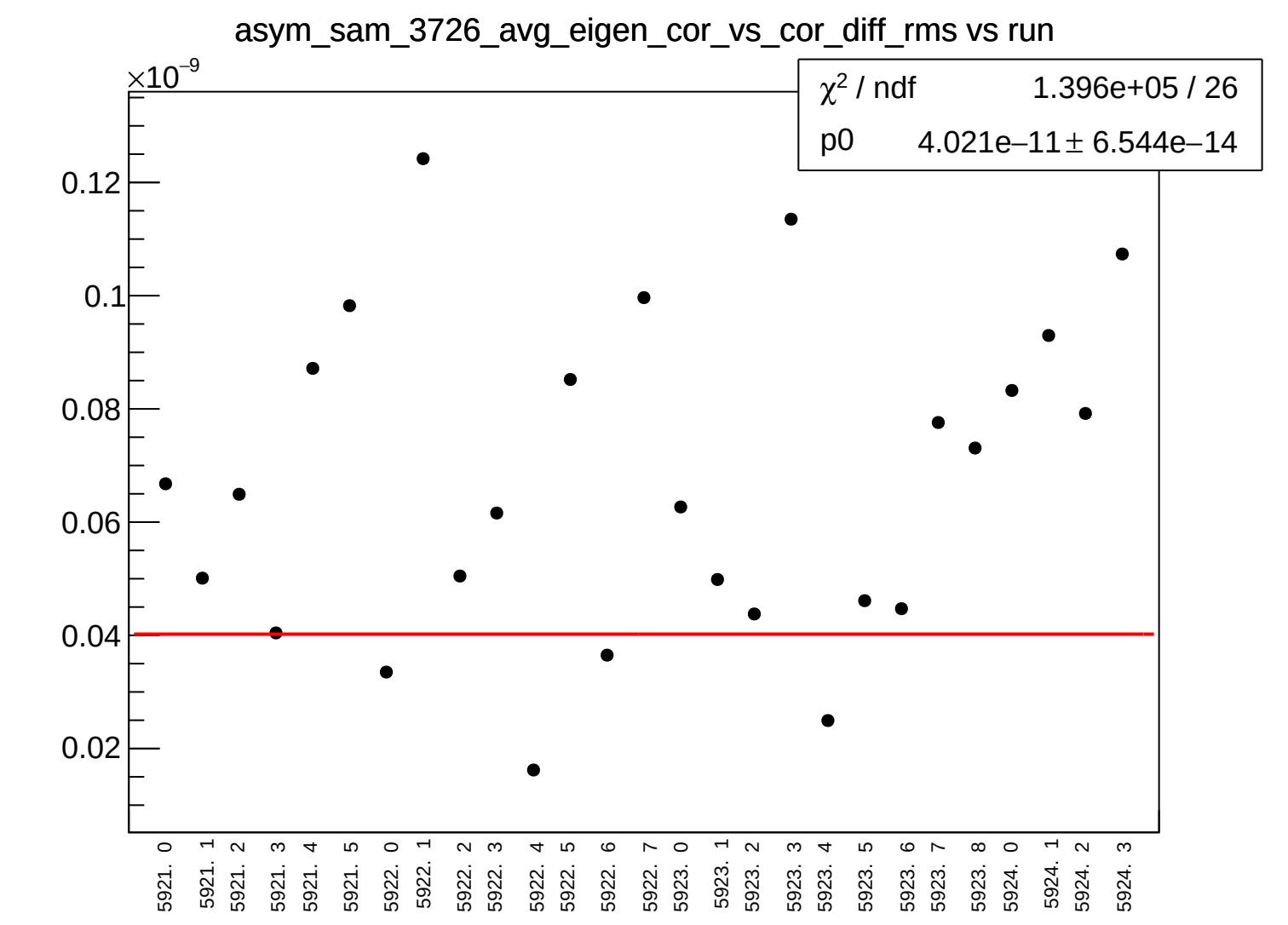

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.924e+04 / 26
p0 30.35 ± 0.04391
100
90
80
70
60
50
40
30
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

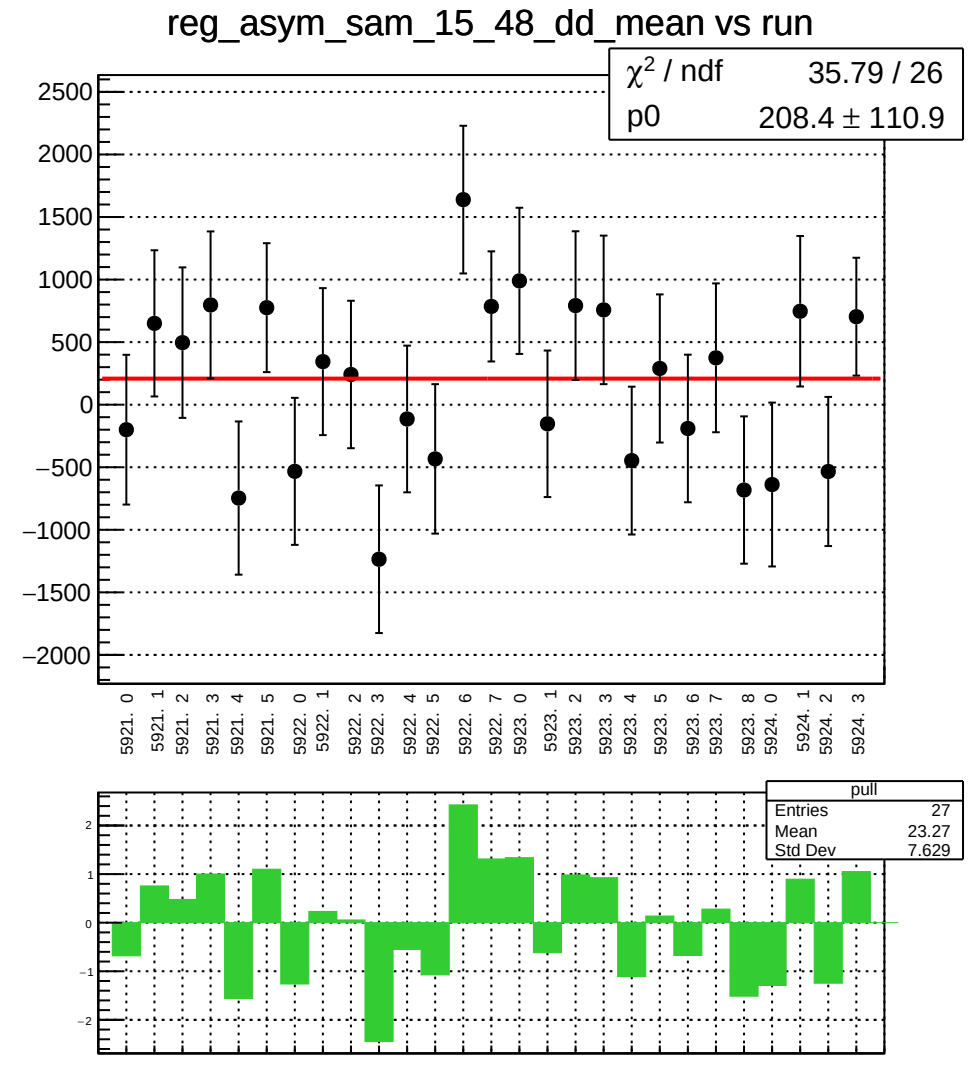

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 22.06 / 26
p0 −0.06569 ± 0.06209
2
1.5
1
0.5
0
−0.5
−1
−1.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −9.842
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.02114
Std Dev 0.9036
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

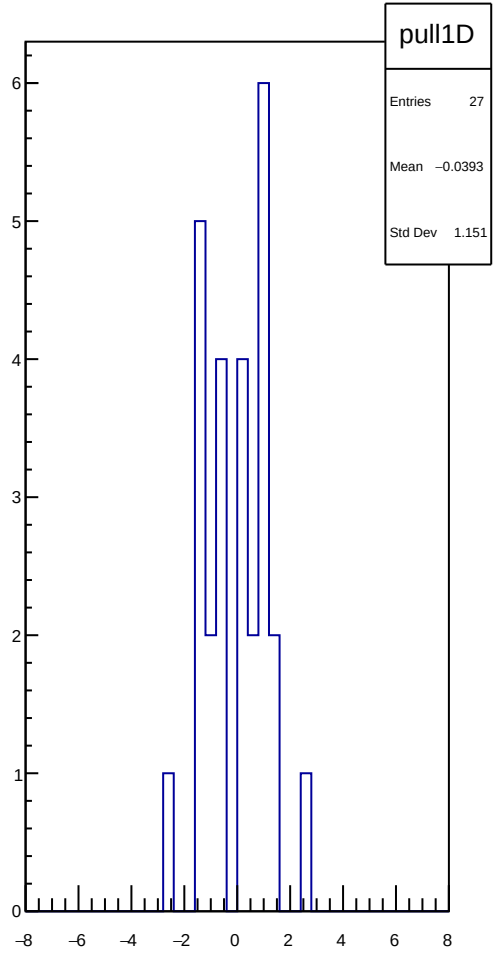

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.924e+04 / 26
p0 30.35 ± 0.04391
100
90
80
70
60
50
40
30
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

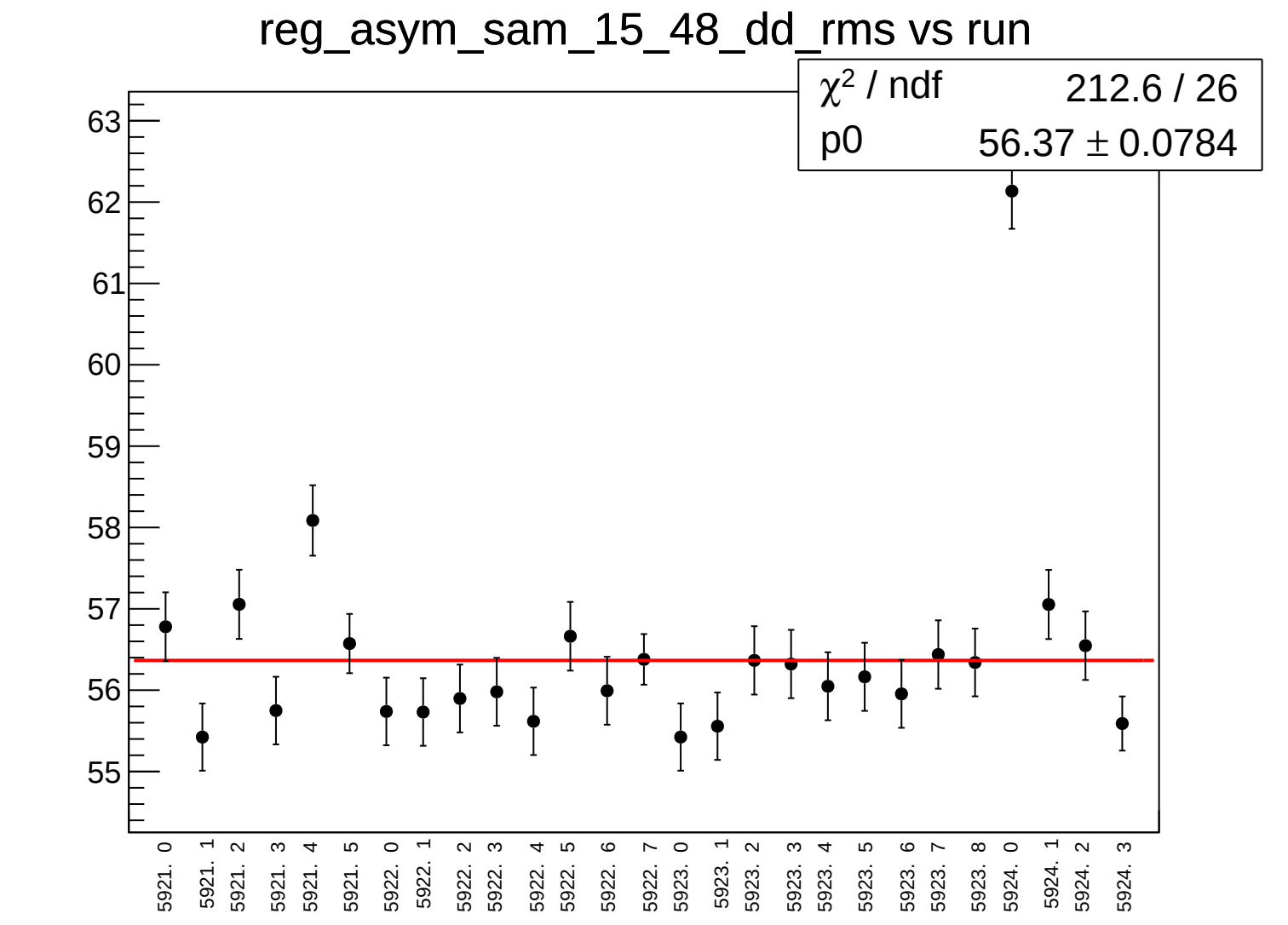

asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 27.62 / 26
p0 3.852e−14 ± 9.254e−14
2
1
0
−1
−2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 3.78
Std Dev 0
2
1
0
−1
−2

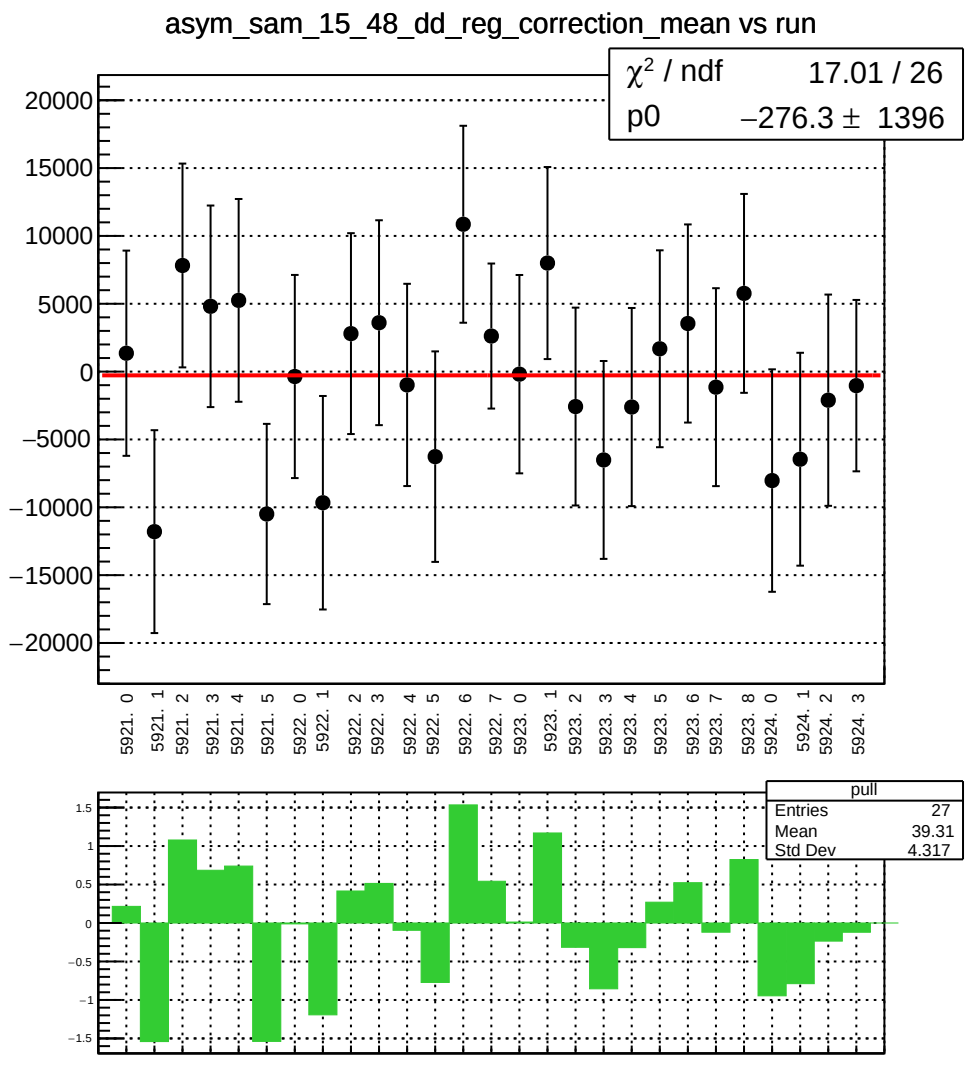

pull1D
Entries 27
Mean 0.05517
Std Dev 1.01
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

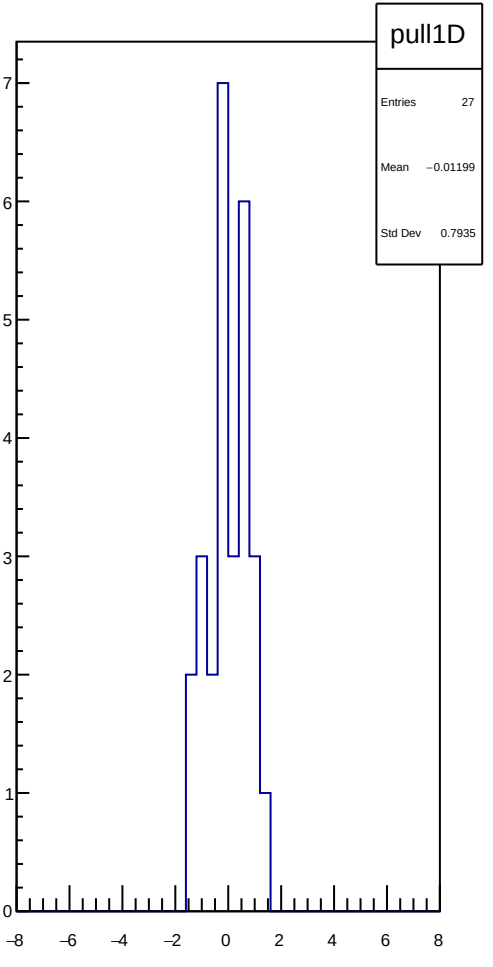

asym_sam_3726_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.396e+05 / 26
p0 4.021e−11 ± 6.544e−14
0.12
0.1
0.08
0.06
0.04
0.02
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

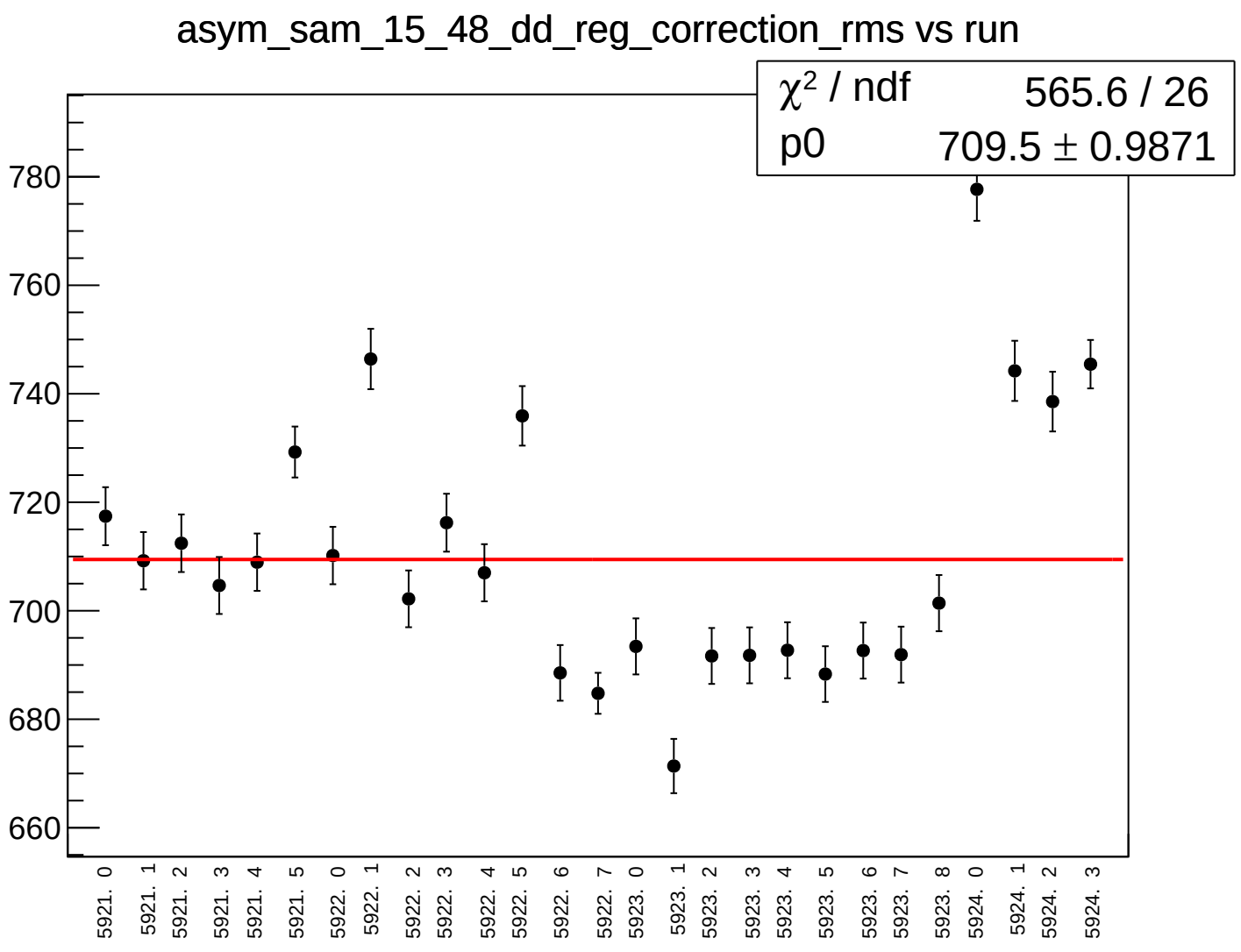

reg_asym_sam_15_48_dd_mean vs run
χ² / ndf 35.79 / 26
p0 208.4 ± 110.9
2500
2000
1500
1000
500
0
−500
−1000
−1500
−2000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 23.27
Std Dev 7.629
2
1
0
−1
−2

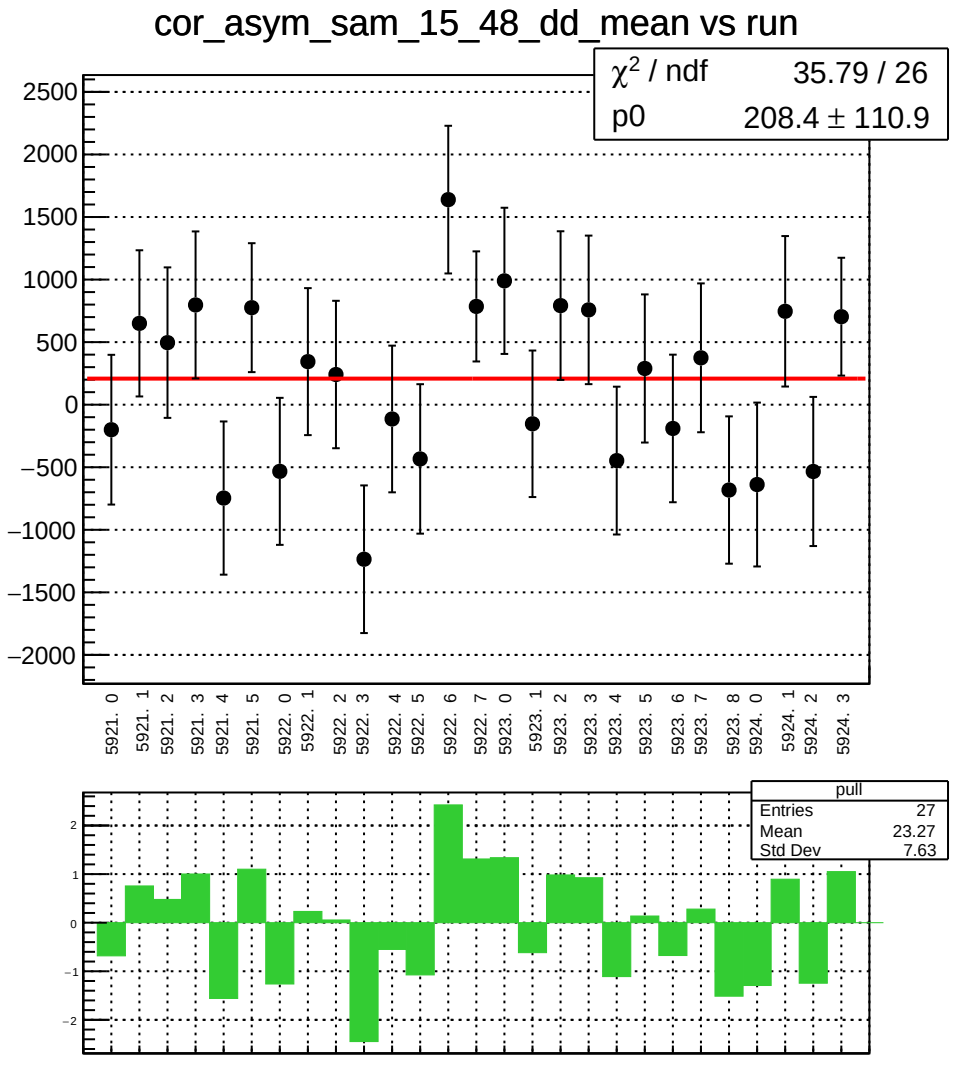

pull1D
Entries 27
Mean −0.0393
Std Dev 1.151
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

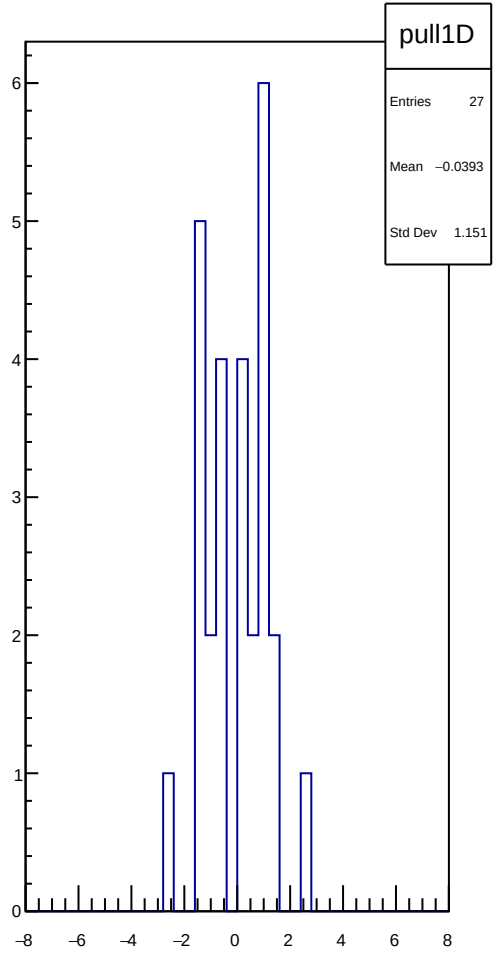

reg_asym_sam_15_48_dd_rms vs run
χ² / ndf 212.6 / 26
p0 56.37 ± 0.0784
63
62
61
60
59
58
57
56
55
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

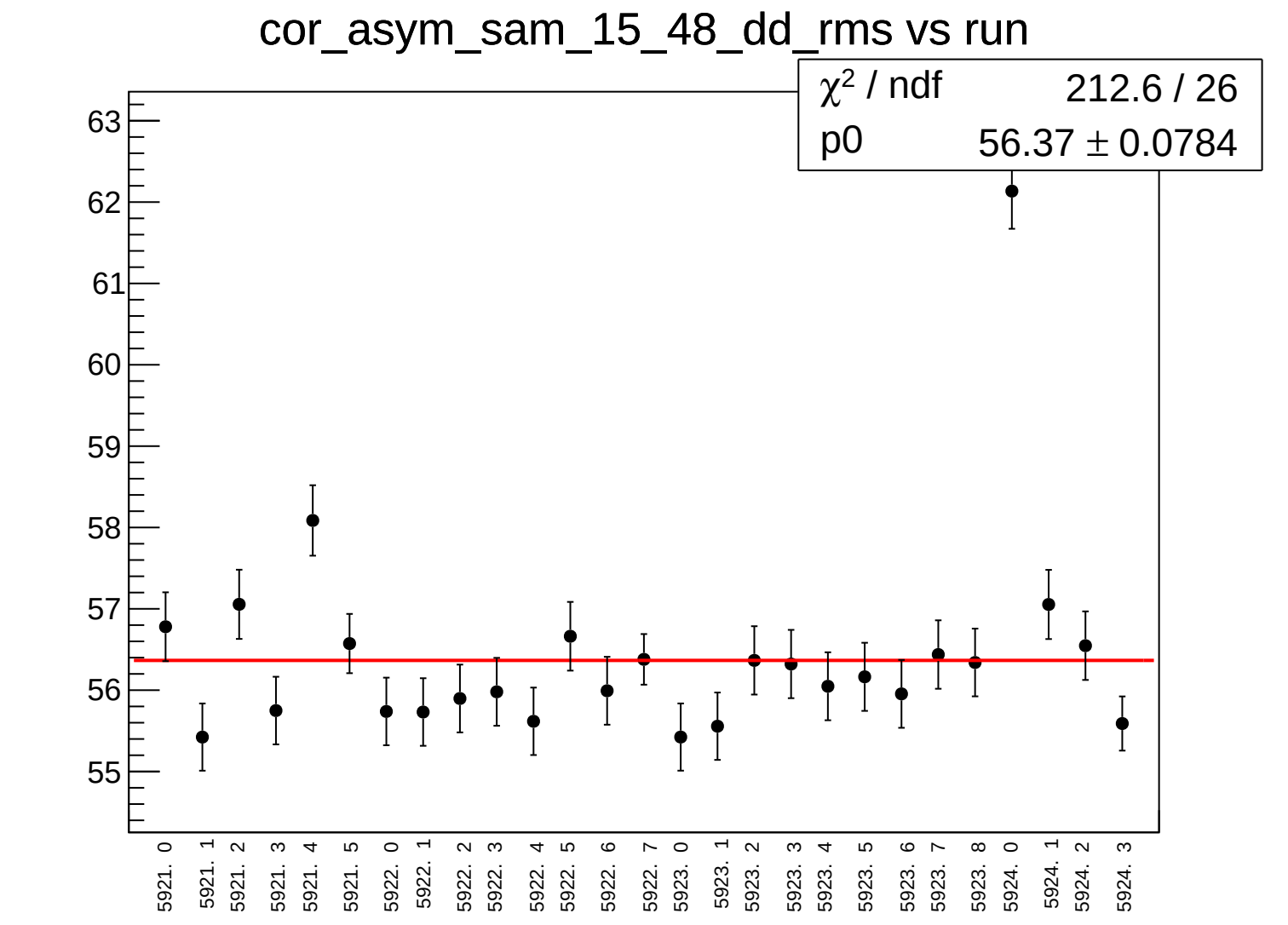

asym_sam_15_48_dd_reg_correction_mean vs run
χ² / ndf 17.01 / 26
p0 −276.3 ± 1396
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 39.31
Std Dev 4.317
1.5
1
0.5
0
−0.5
−1
−1.5

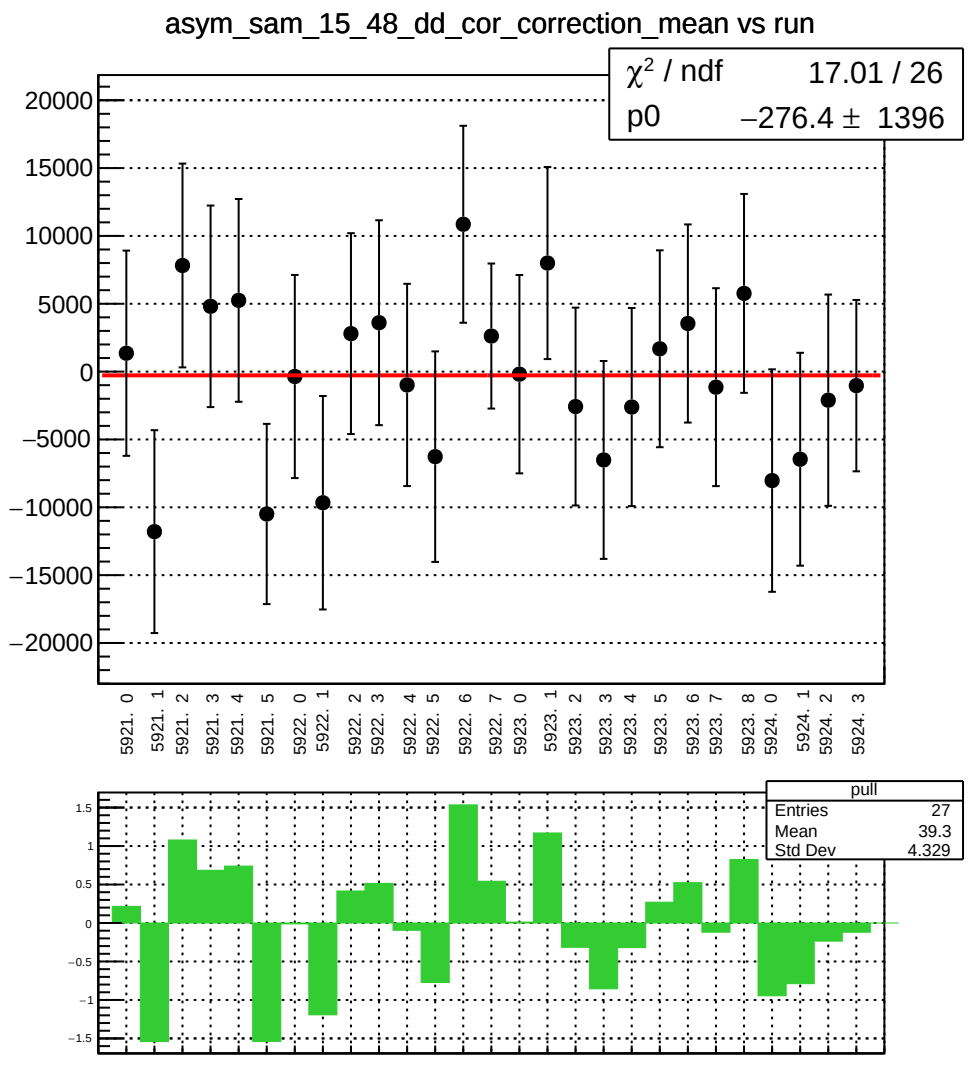

pull1D
Entries 27
Mean −0.01199
Std Dev 0.7935
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

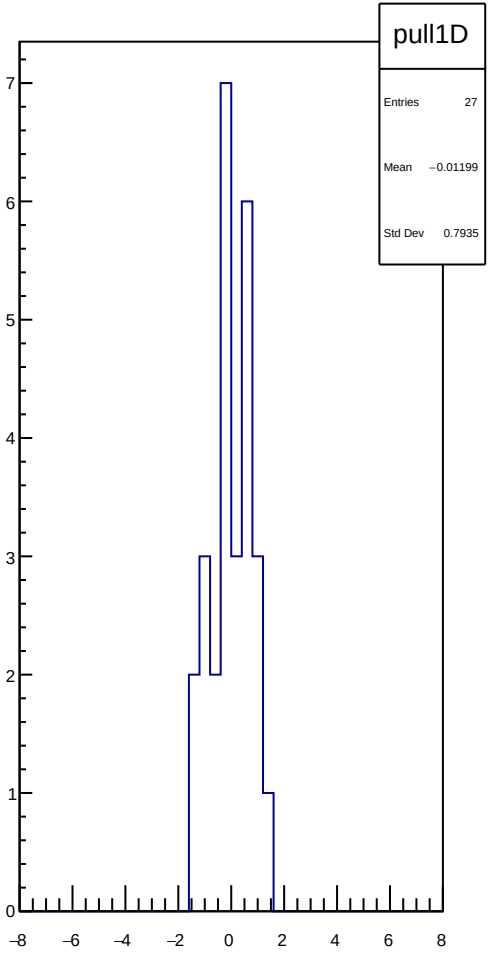

asym_sam_15_48_dd_reg_correction_rms vs run
χ² / ndf 565.6 / 26
p0 709.5 ± 0.9871
780
760
740
720
700
680
660
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

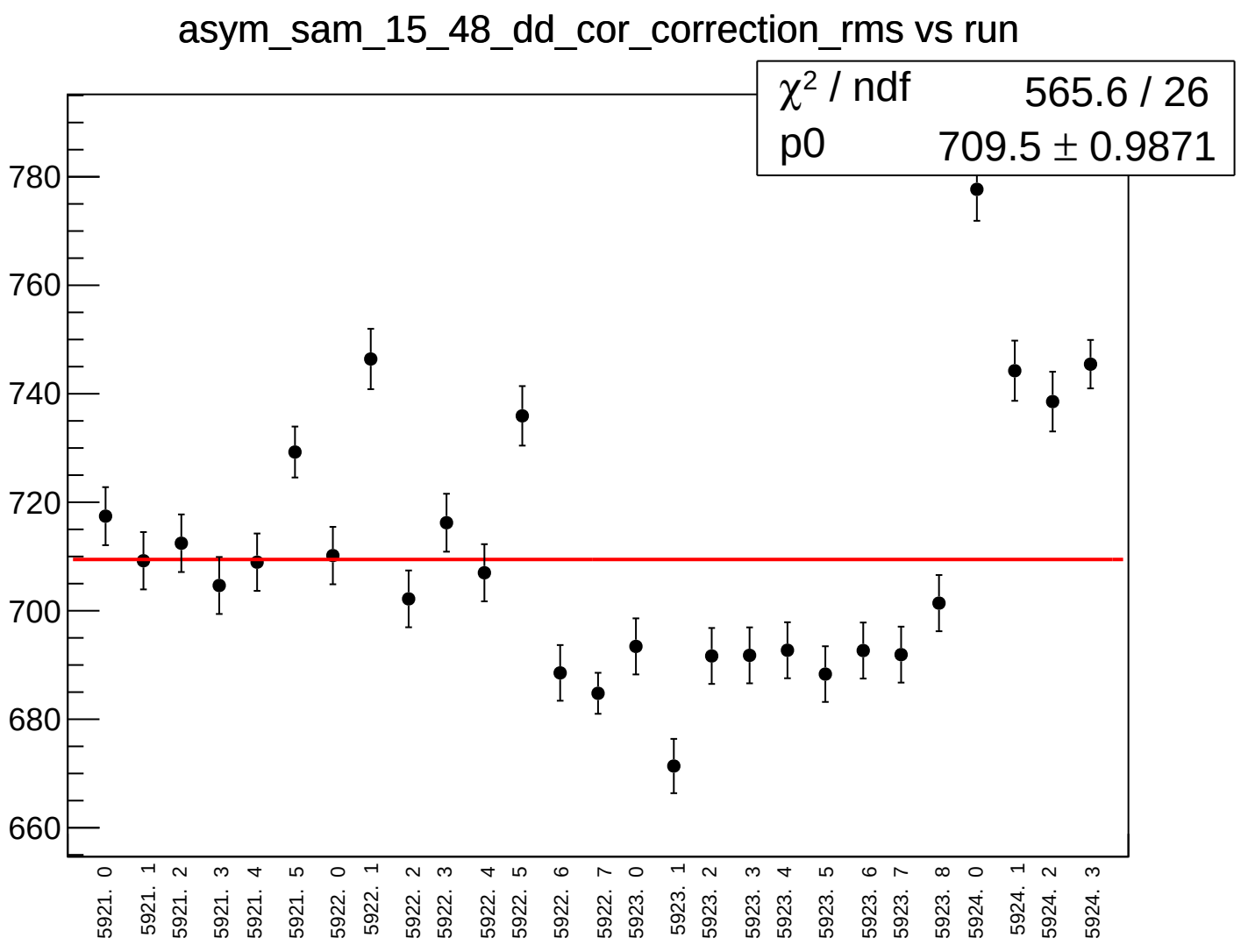

cor_asym_sam_15_48_dd_mean vs run
χ² / ndf 35.79 / 26
p0 208.4 ± 110.9
2500
2000
1500
1000
500
0
−500
−1000
−1500
−2000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 23.27
Std Dev 7.63
2
1
0
−1
−2

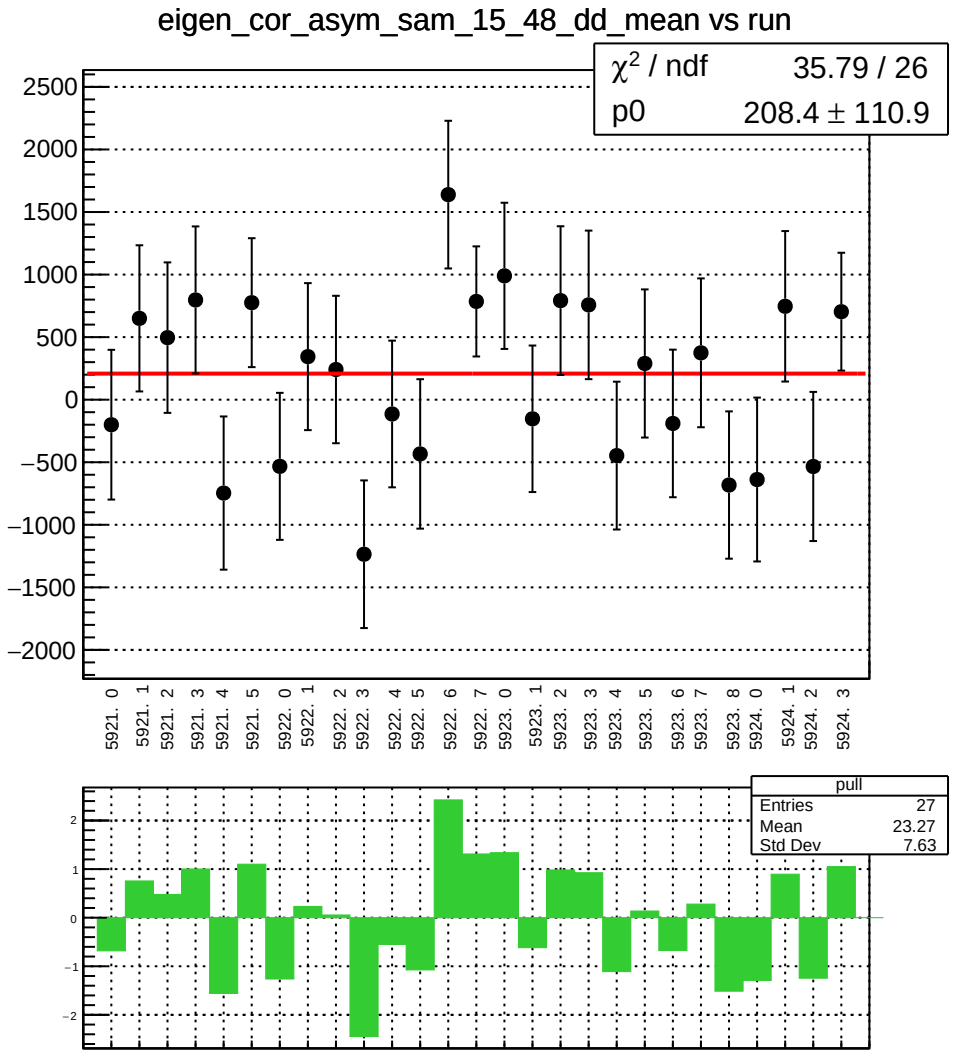

pull1D
Entries 27
Mean −0.0393
Std Dev 1.151
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

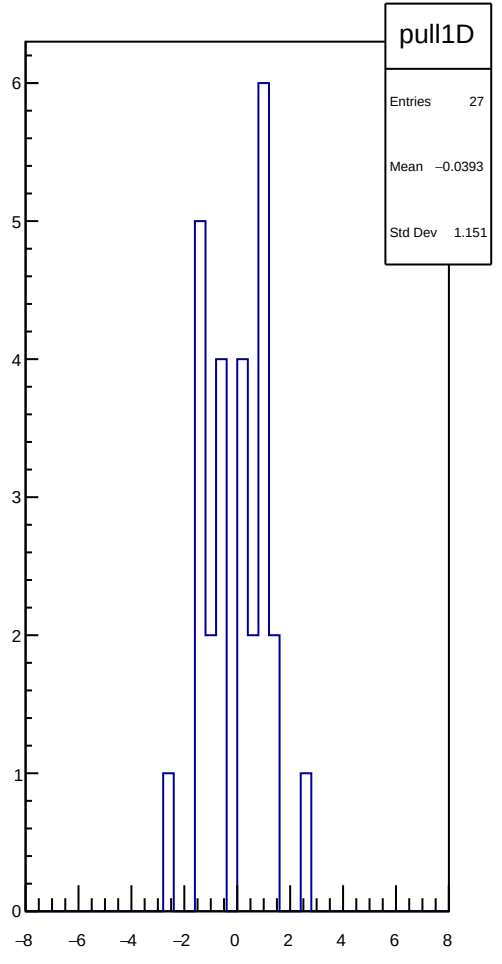

cor_asym_sam_15_48_dd_rms vs run
χ² / ndf 212.6 / 26
p0 56.37 ± 0.0784
63
62
61
60
59
58
57
56
55
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

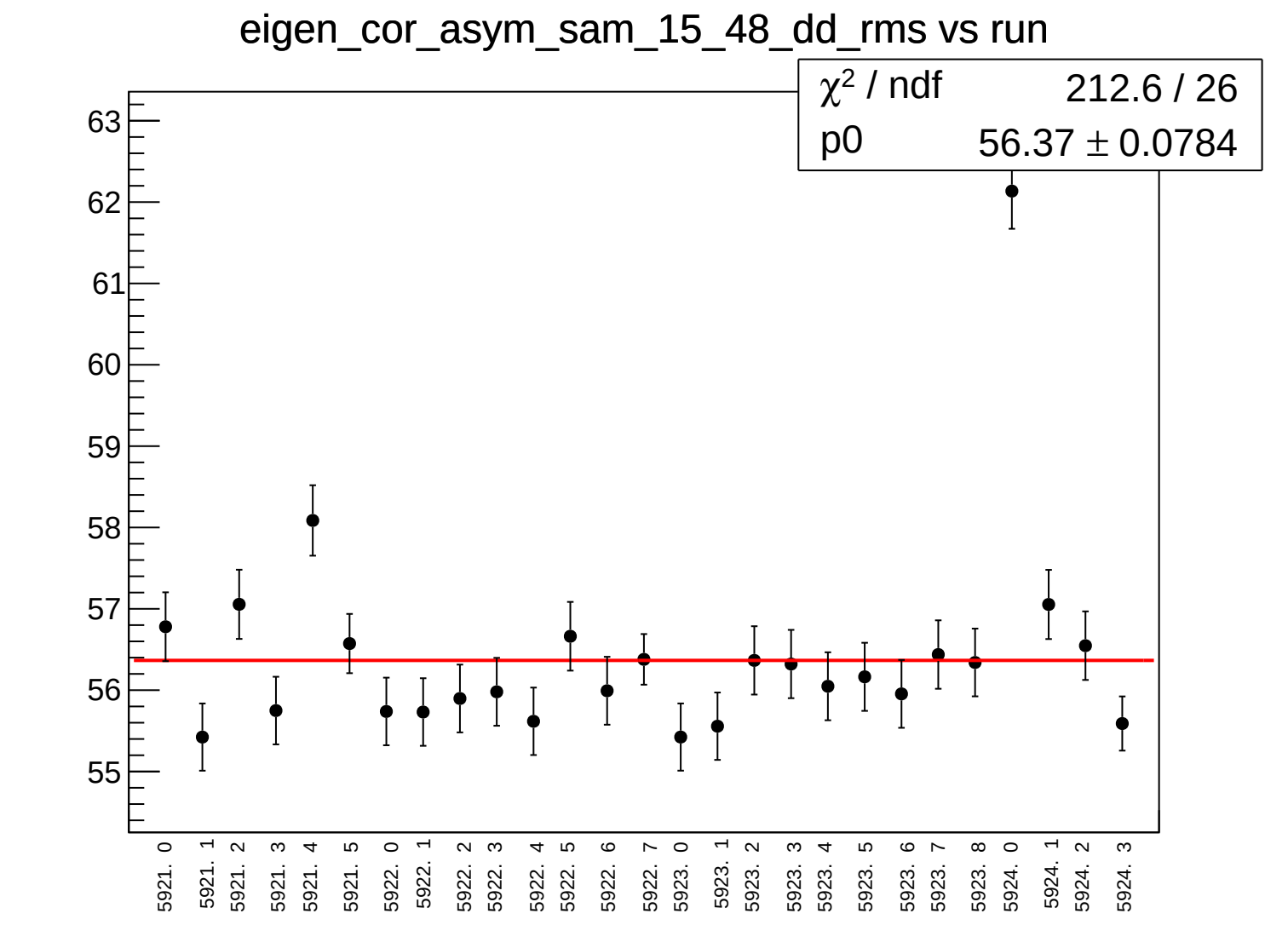

asym_sam_15_48_dd_cor_correction_mean vs run
χ² / ndf 17.01 / 26
p0 −276.4 ± 1396
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 39.3
Std Dev 4.329
1.5
1
0.5
0
−0.5
−1
−1.5

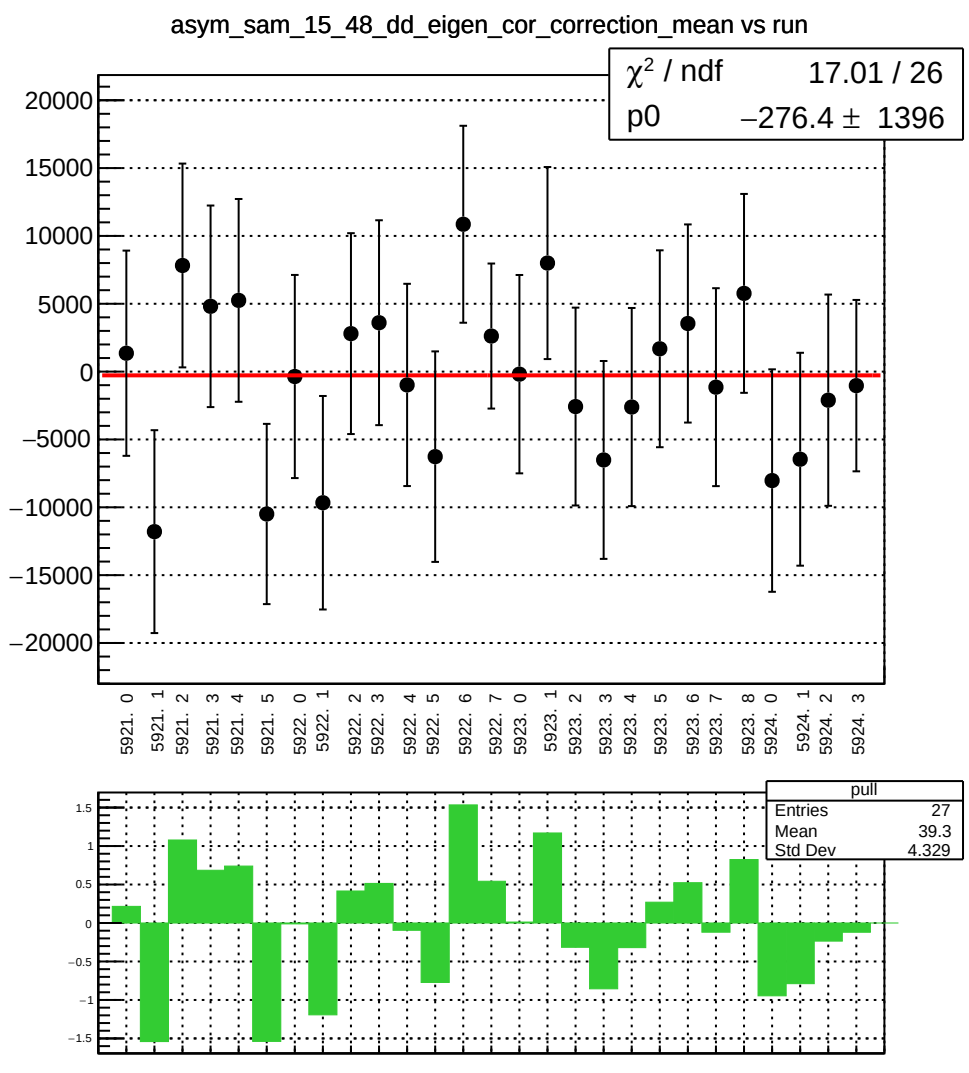

pull1D
Entries 27
Mean −0.01199
Std Dev 0.7935
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

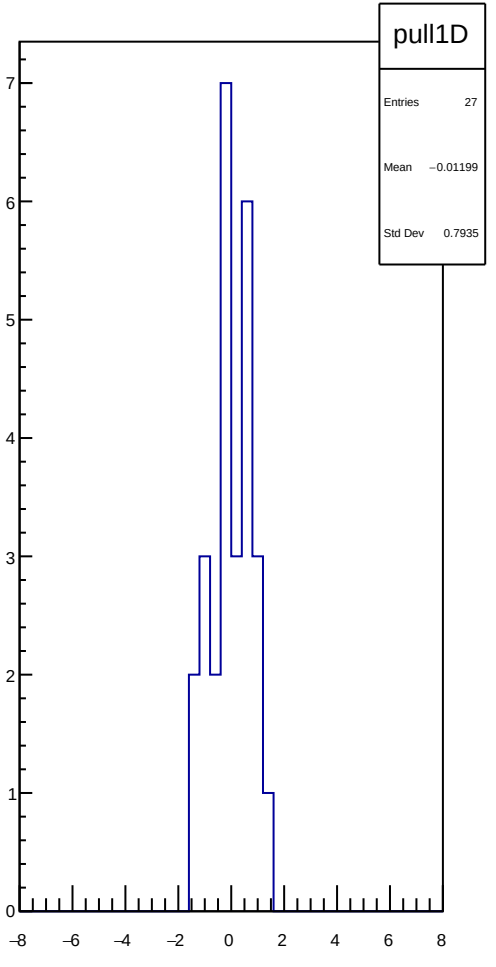

asym_sam_15_48_dd_cor_correction_rms vs run
χ² / ndf 565.6 / 26
p0 709.5 ± 0.9871
780
760
740
720
700
680
660
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

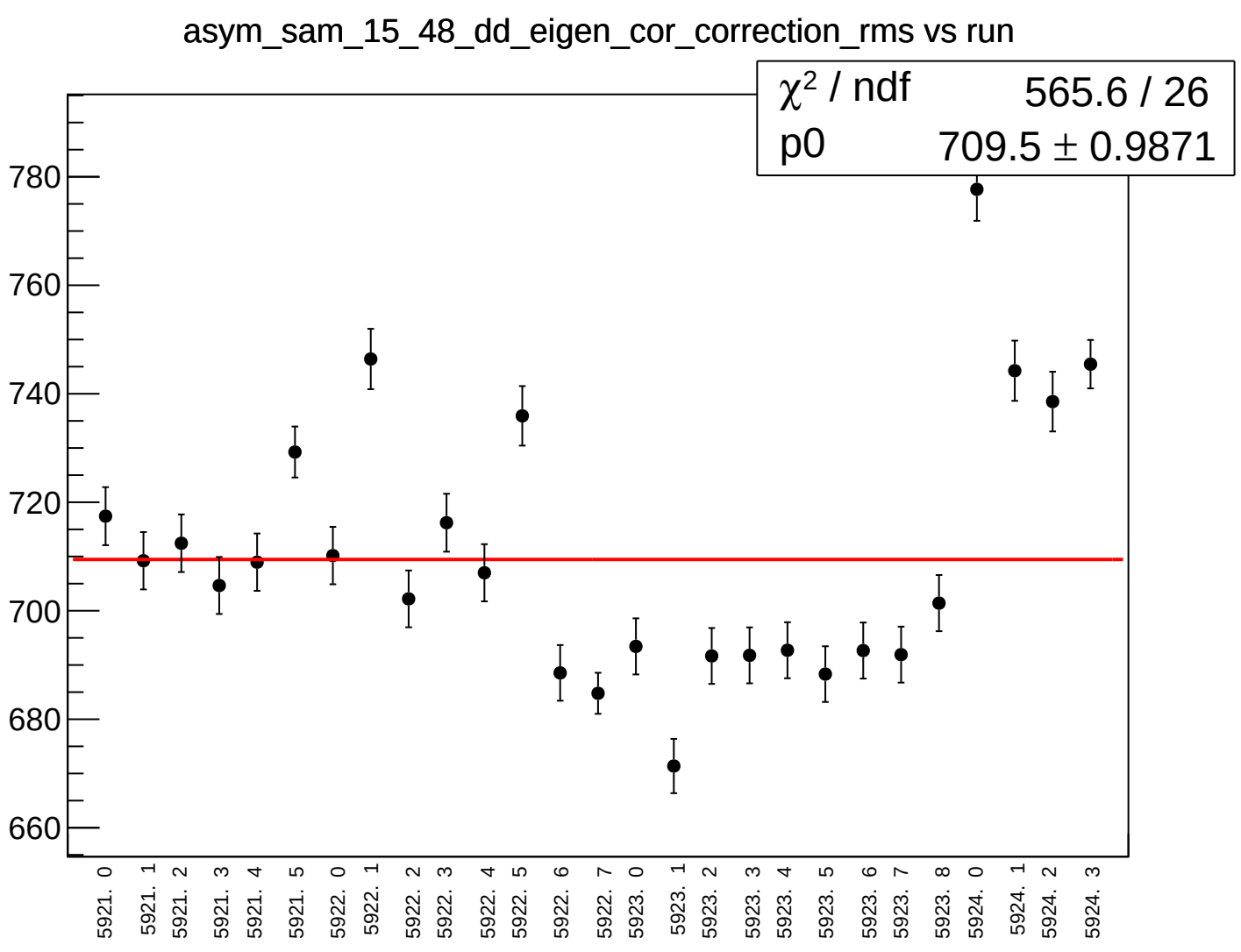

eigen_cor_asym_sam_15_48_dd_mean vs run
χ² / ndf 35.79 / 26
p0 208.4 ± 110.9
2500
2000
1500
1000
500
0
−500
−1000
−1500
−2000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 23.27
Std Dev 7.63
2
1
0
−1
−2

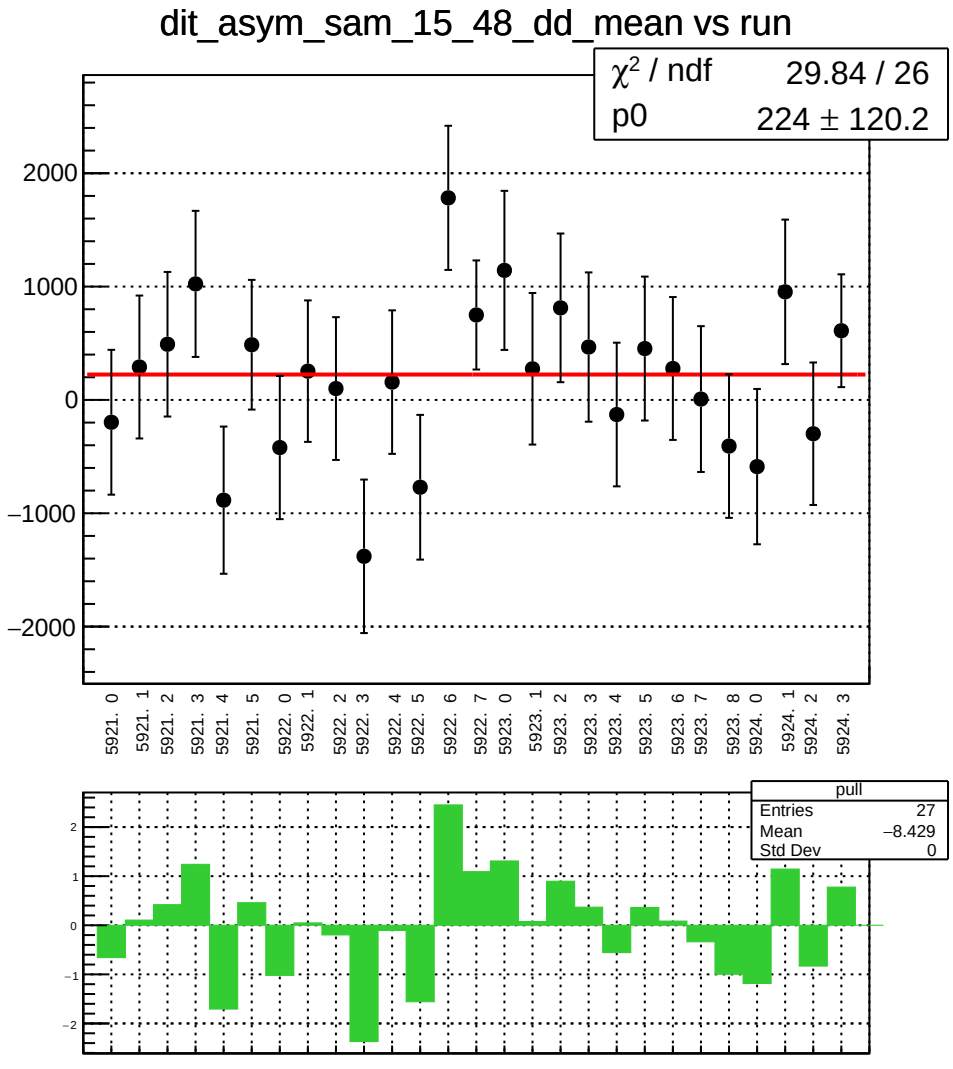

pull1D
Entries 27
Mean −0.0393
Std Dev 1.151
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

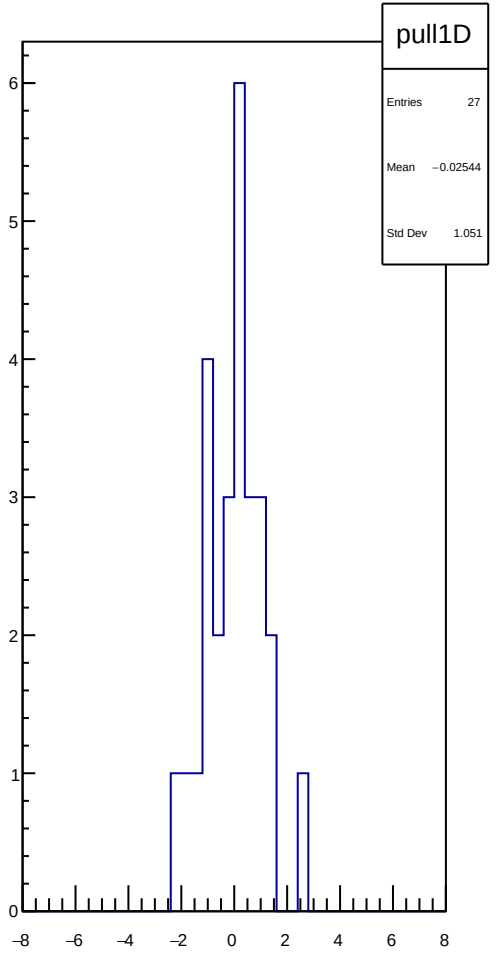

eigen_cor_asym_sam_15_48_dd_rms vs run
χ² / ndf 212.6 / 26
p0 56.37 ± 0.0784
63
62
61
60
59
58
57
56
55
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

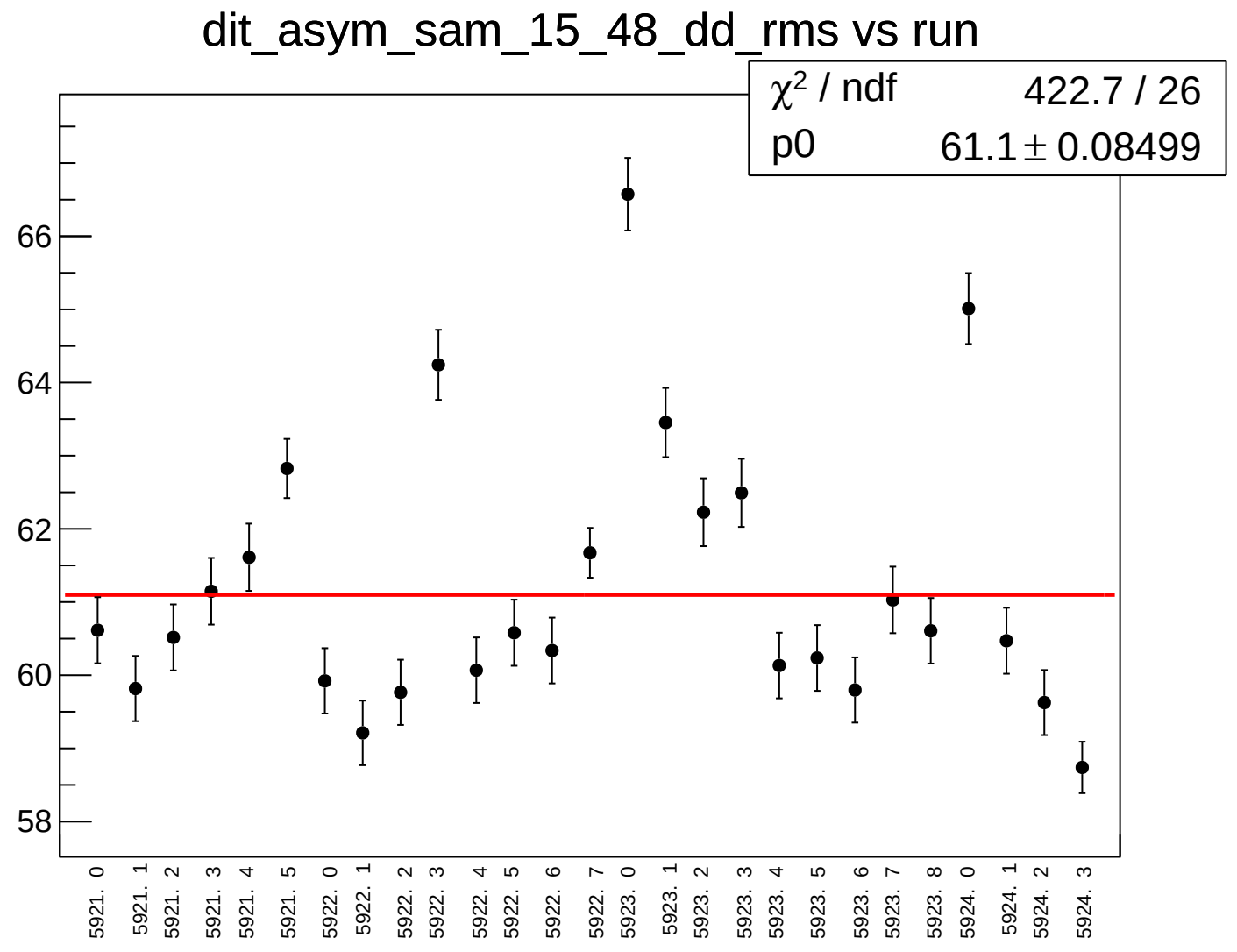

asym_sam_15_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 17.01 / 26
p0 −276.4 ± 1396
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 39.3
Std Dev 4.329
1.5
1
0.5
0
−0.5
−1
−1.5

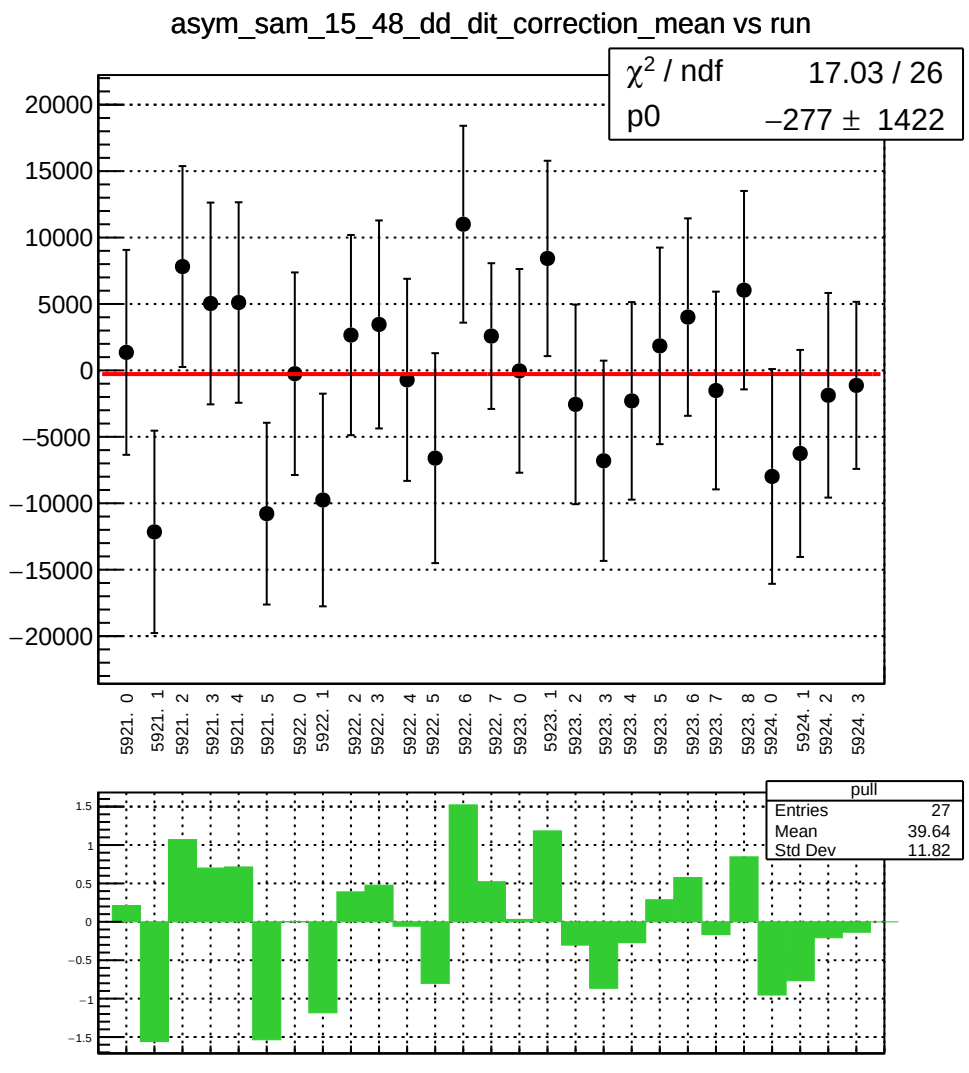

pull1D
Entries 27
Mean −0.01199
Std Dev 0.7935
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

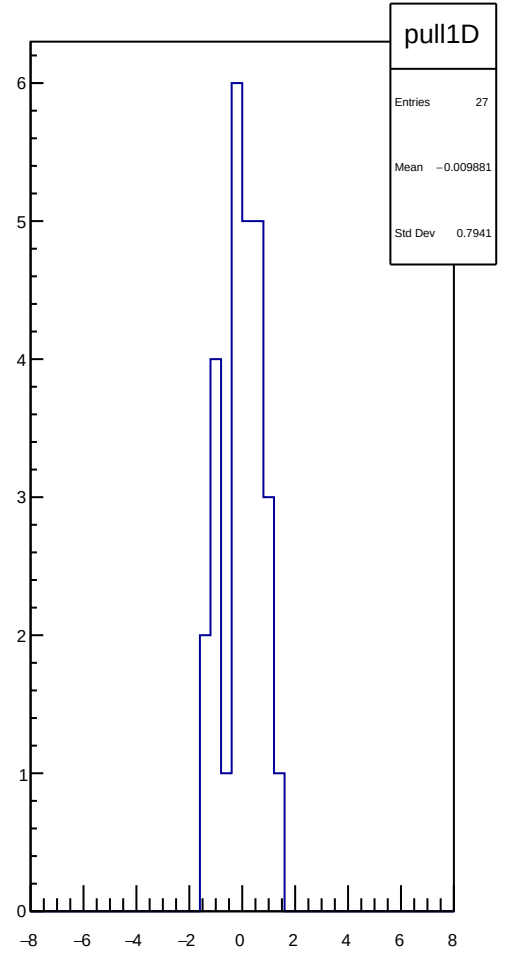

asym_sam_15_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 565.6 / 26
p0 709.5 ± 0.9871
780
760
740
720
700
680
660
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

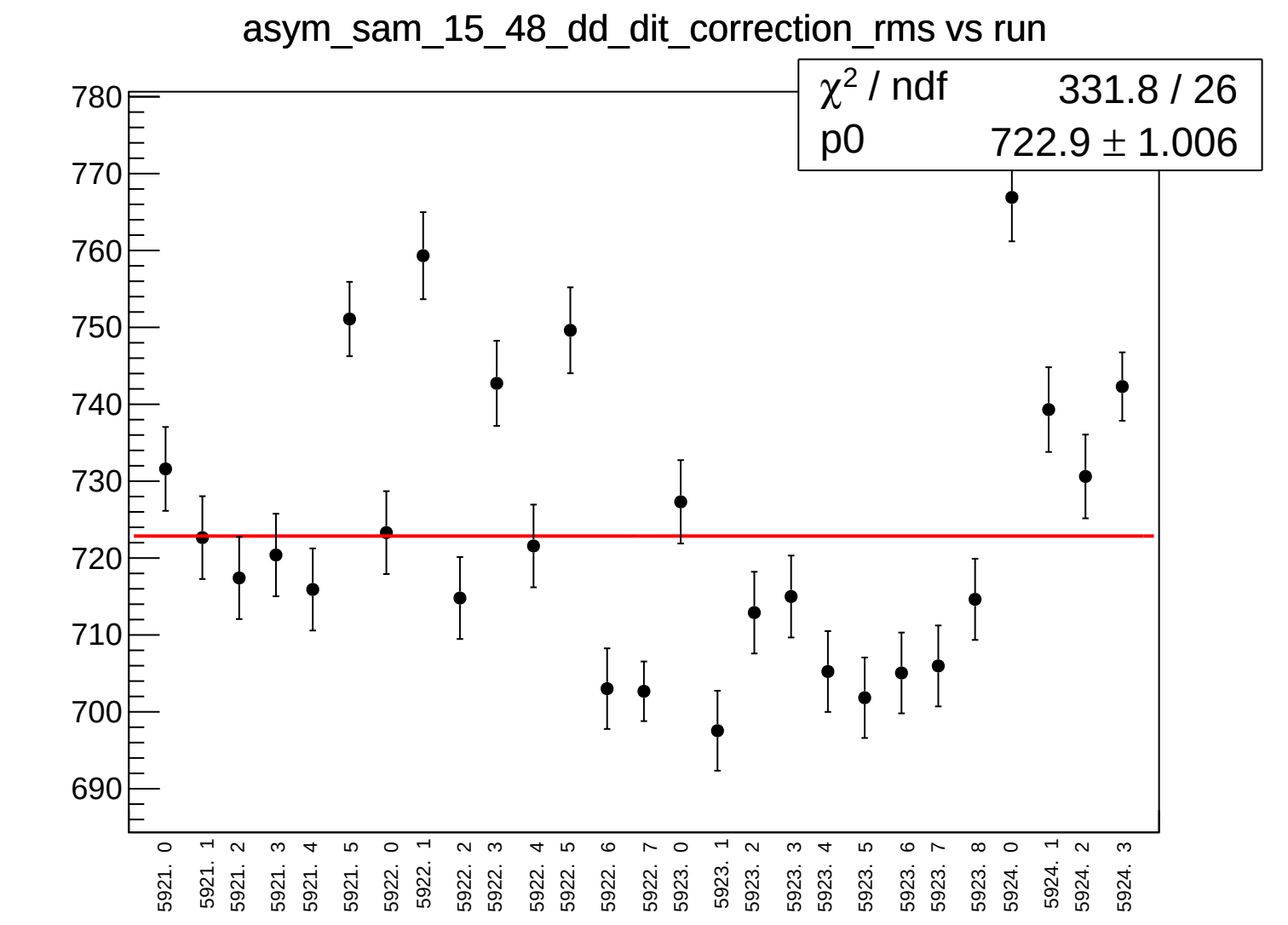

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 29.84 / 26
p0 224 ± 120.2
2000
1000
0
−1000
−2000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −8.429
Std Dev 0
2
1
0
−1
−2

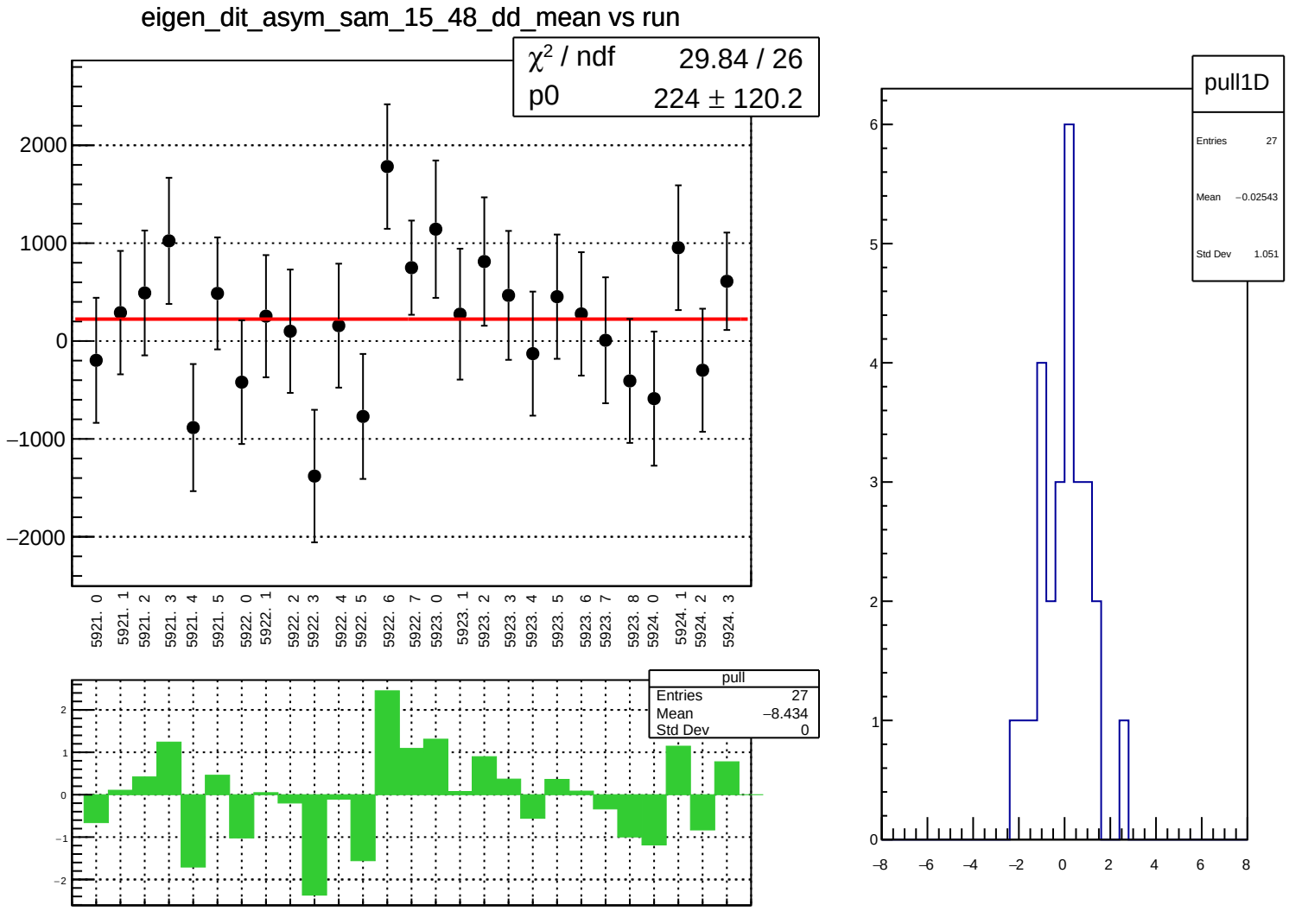

pull1D
Entries 27
Mean −0.02544
Std Dev 1.051
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

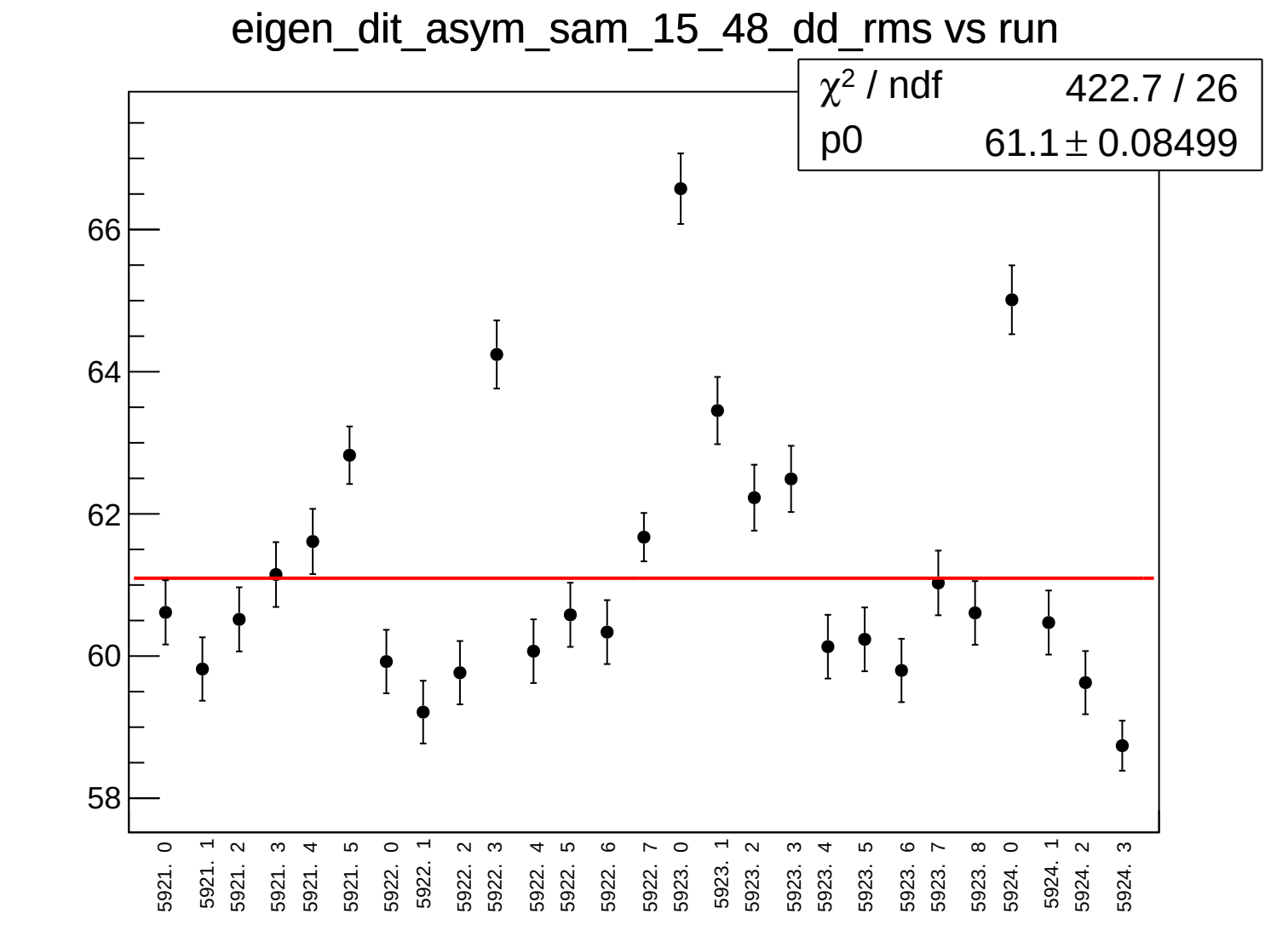

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 422.7 / 26
p0 61.1 ± 0.08499
66
64
62
60
58
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


asym_sam_15_48_dd_dit_correction_mean vs run
χ² / ndf 17.03 / 26
p0 −277 ± 1422
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 39.64
Std Dev 11.82
1.5
1
0.5
0
−0.5
−1
−1.5

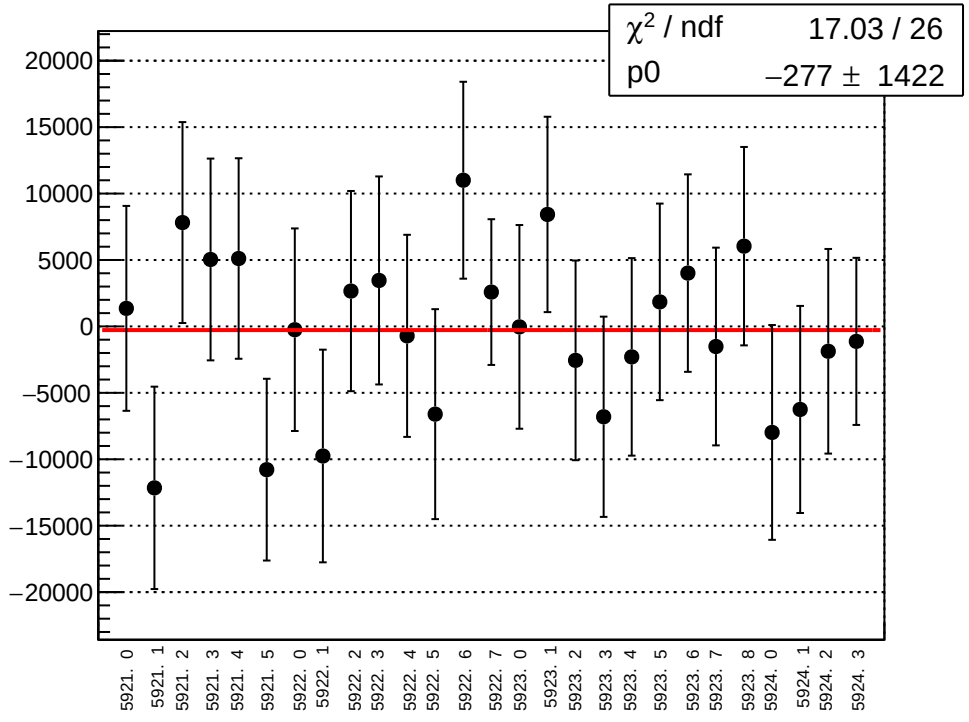

pull1D
Entries 27
Mean −0.009881
Std Dev 0.7941
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

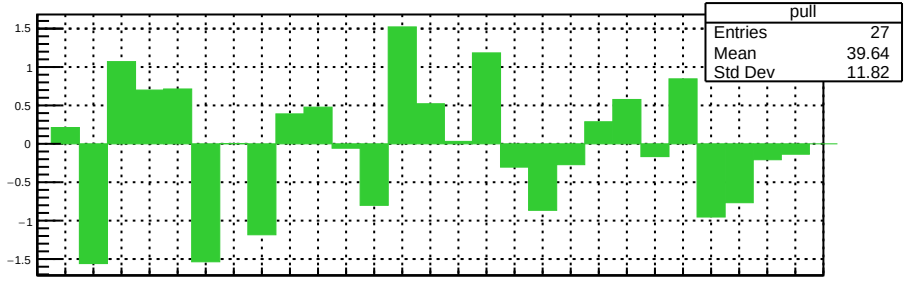

asym_sam_15_48_dd_dit_correction_rms vs run
χ² / ndf 331.8 / 26
p0 722.9 ± 1.006
780
770
760
750
740
730
720
710
700
690
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

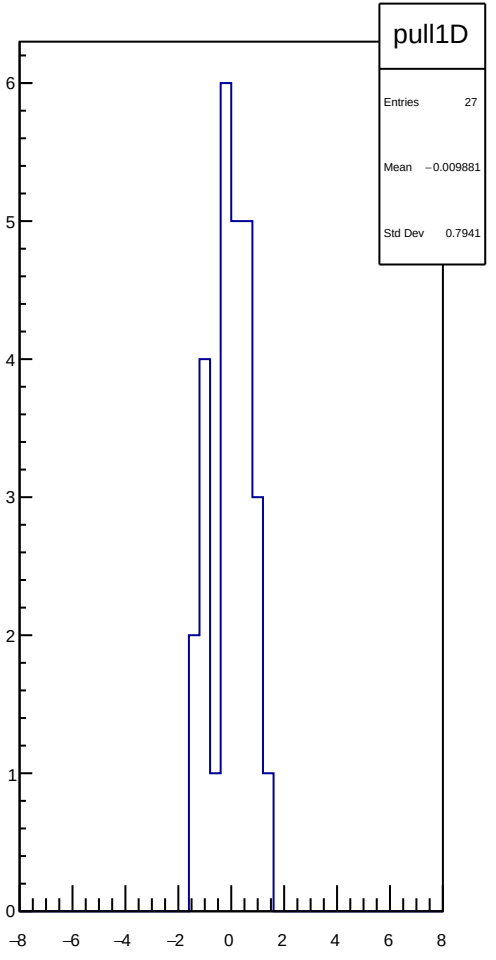

eigen_dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 29.84 / 26
p0 224 ± 120.2
2000
1000
0
−1000
−2000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −8.434
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean −0.02543
Std Dev 1.051
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

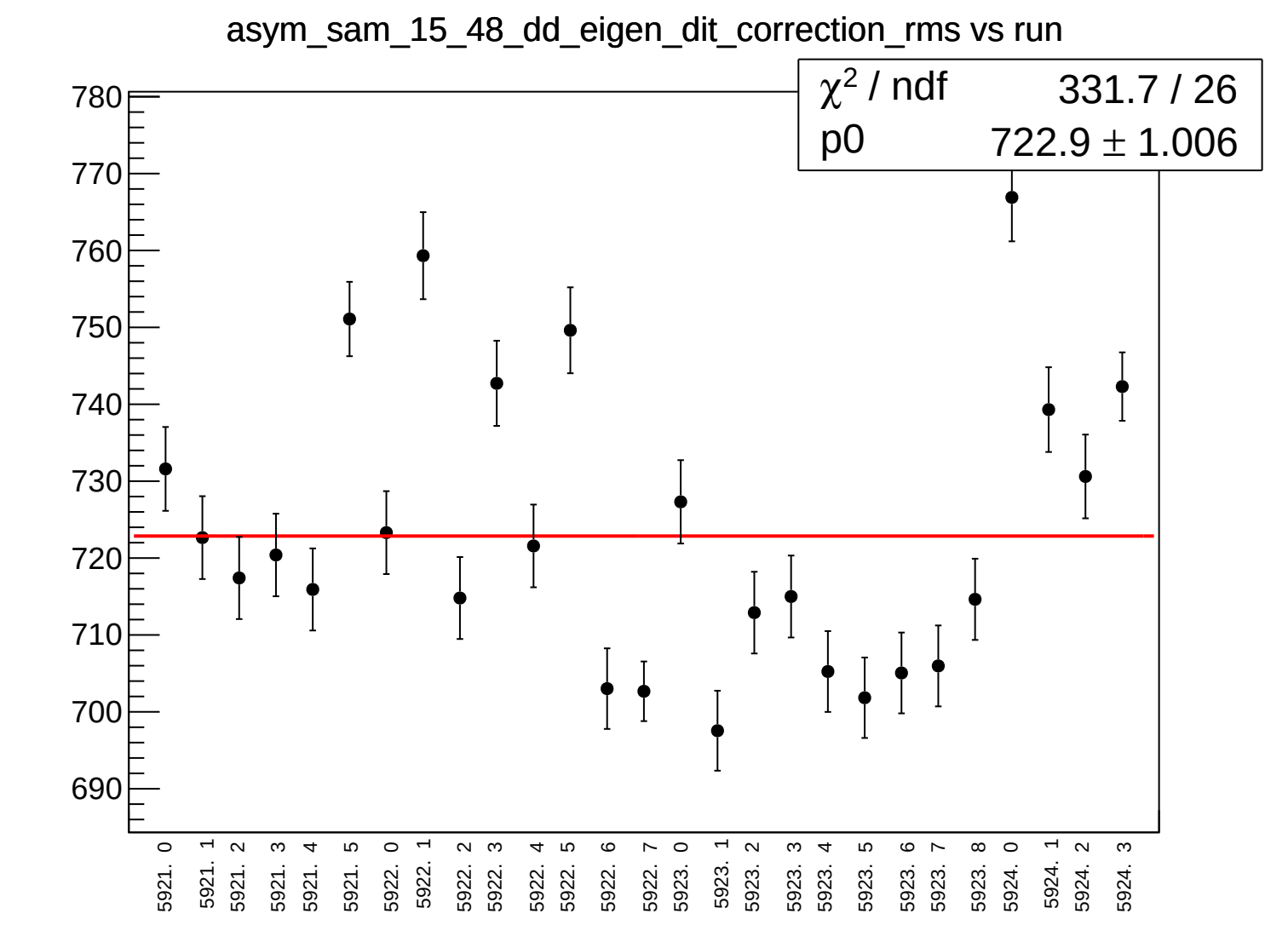

eigen_dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 422.7 / 26
p0 61.1 ± 0.08499
66
64
62
60
58
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

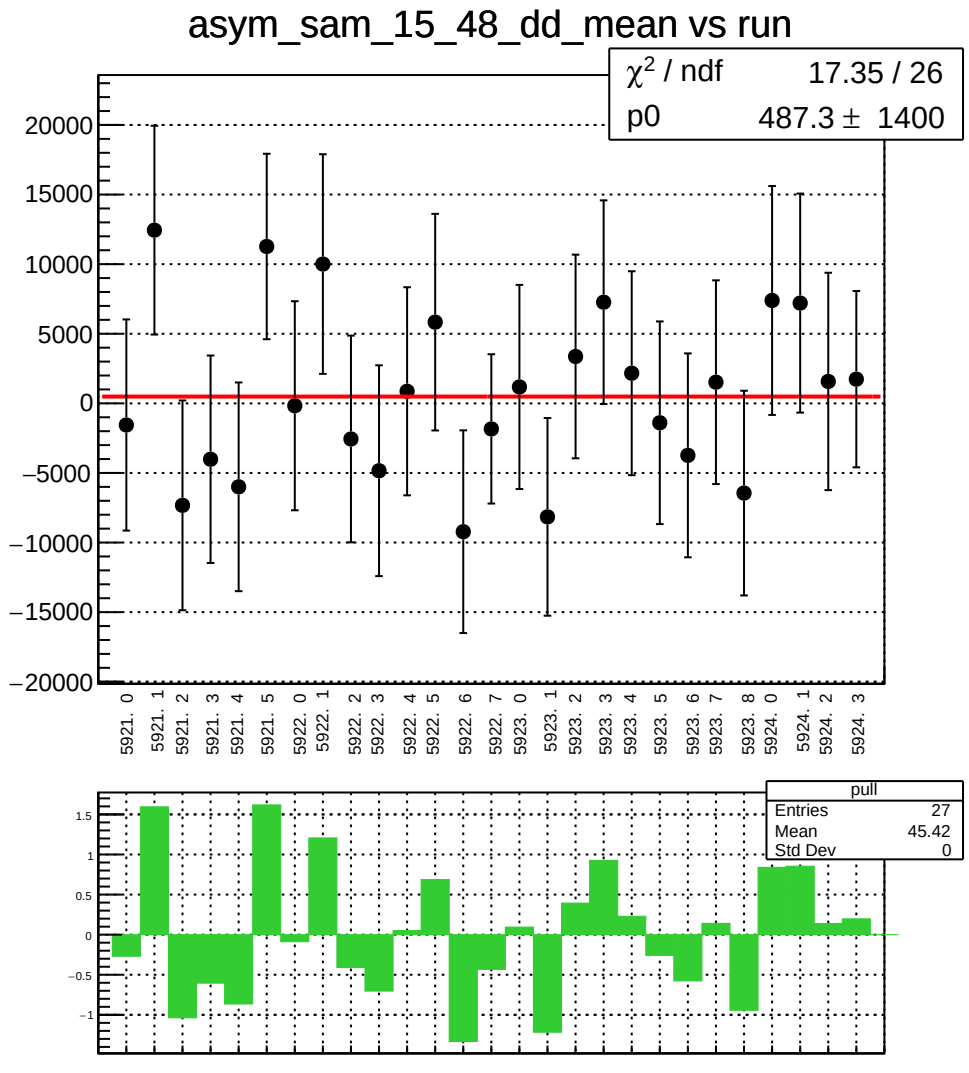
asym_sam_15_48_dd_eigen_dit_correction_mean vs run

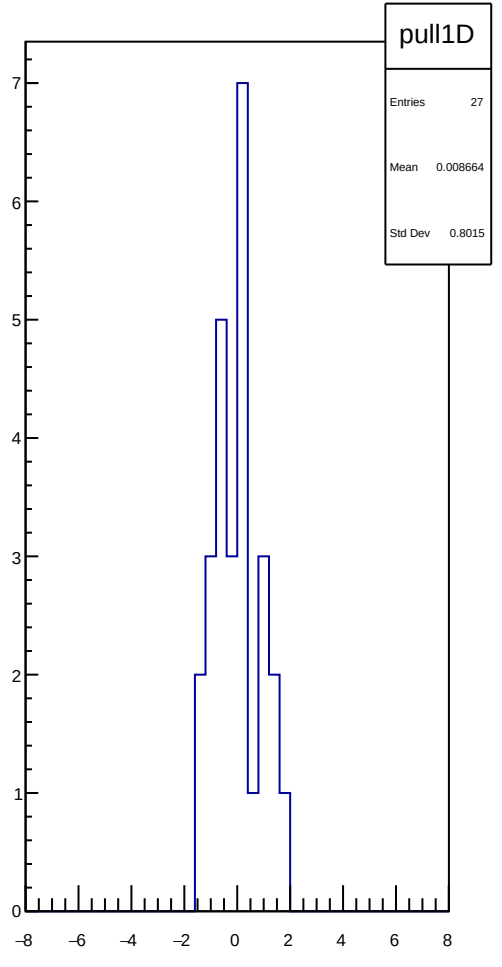


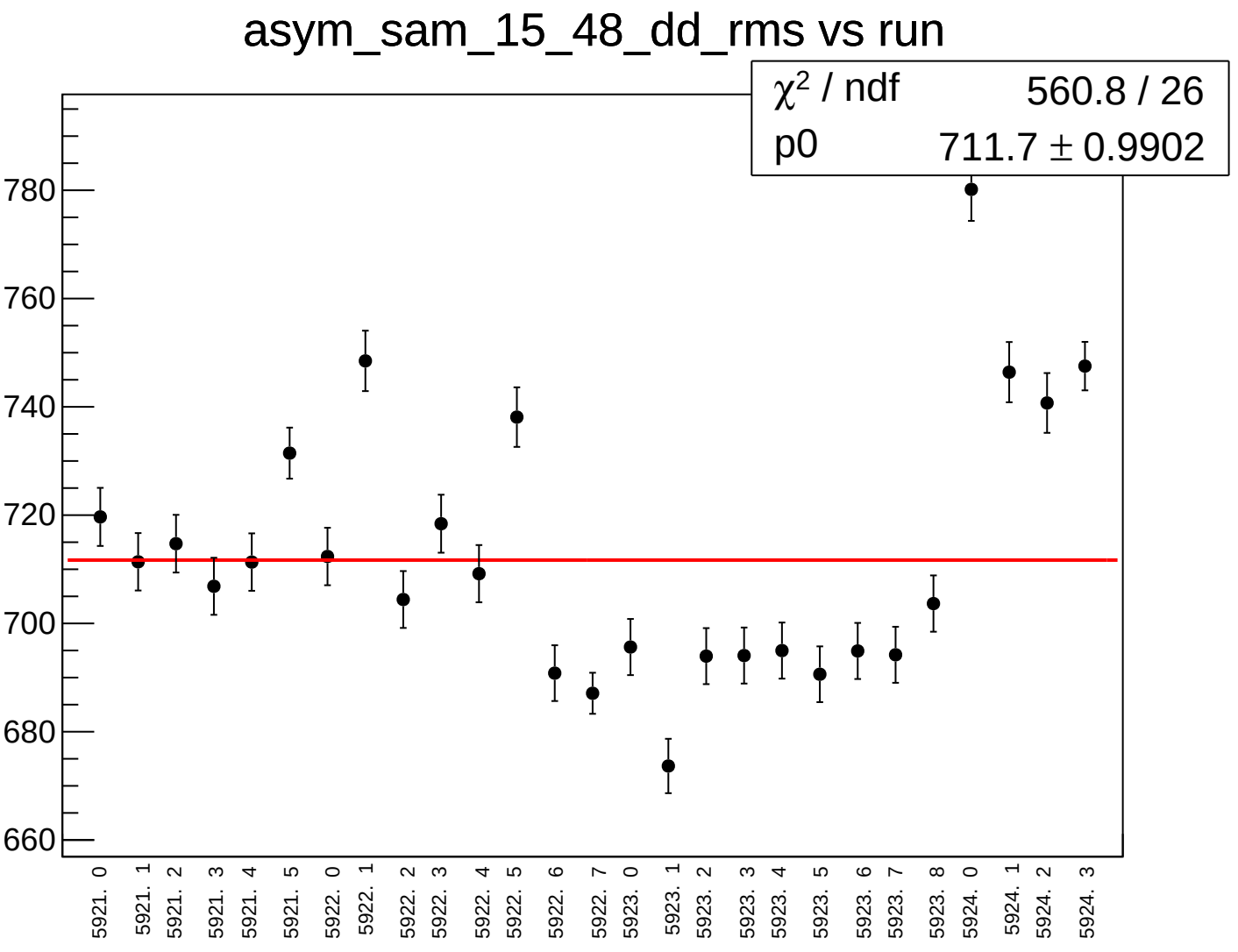


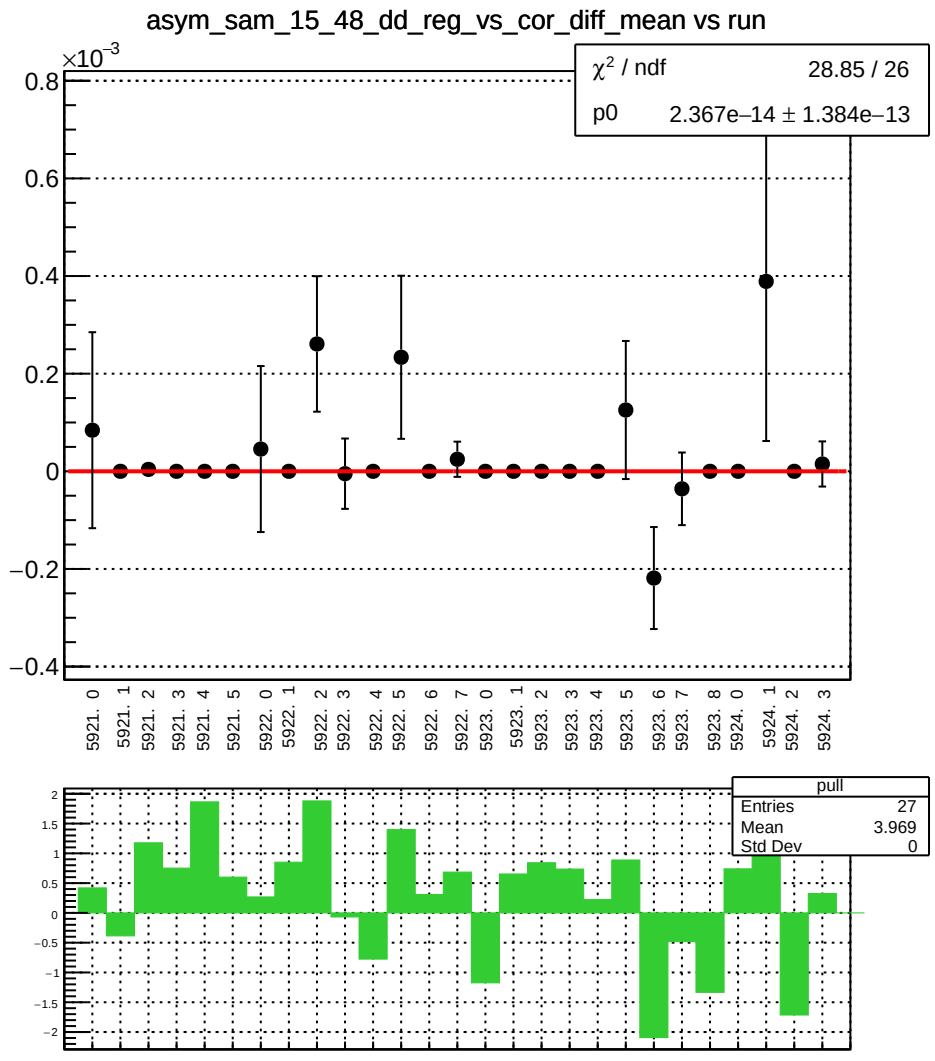


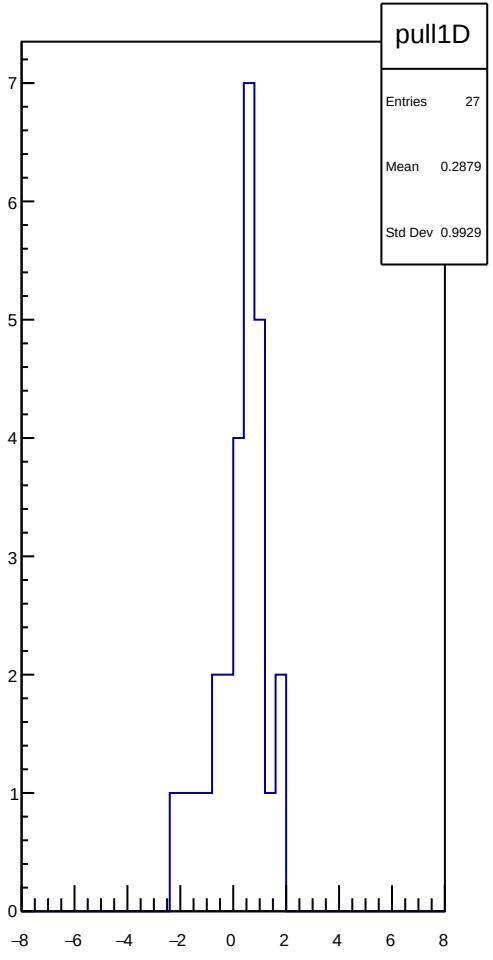

asym_sam_15_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 331.7 / 26
p0 722.9 ± 1.006
780
770
760
750
740
730
720
710
700
690
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

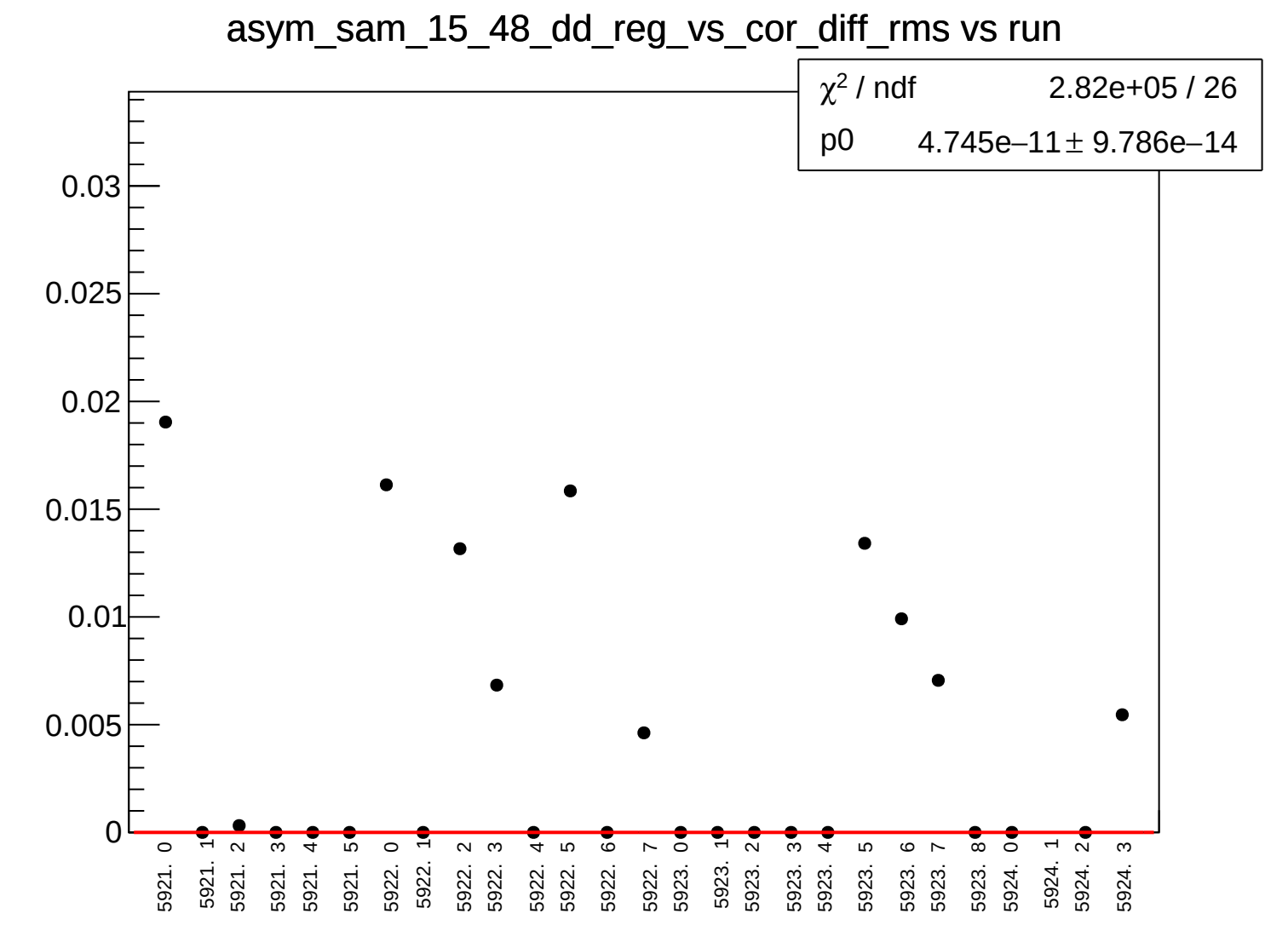

asym_sam_15_48_dd_mean vs run
χ² / ndf 17.35 / 26
p0 487.3 ± 1400
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 45.42
Std Dev 0
1.5
1
0.5
0
−0.5
−1

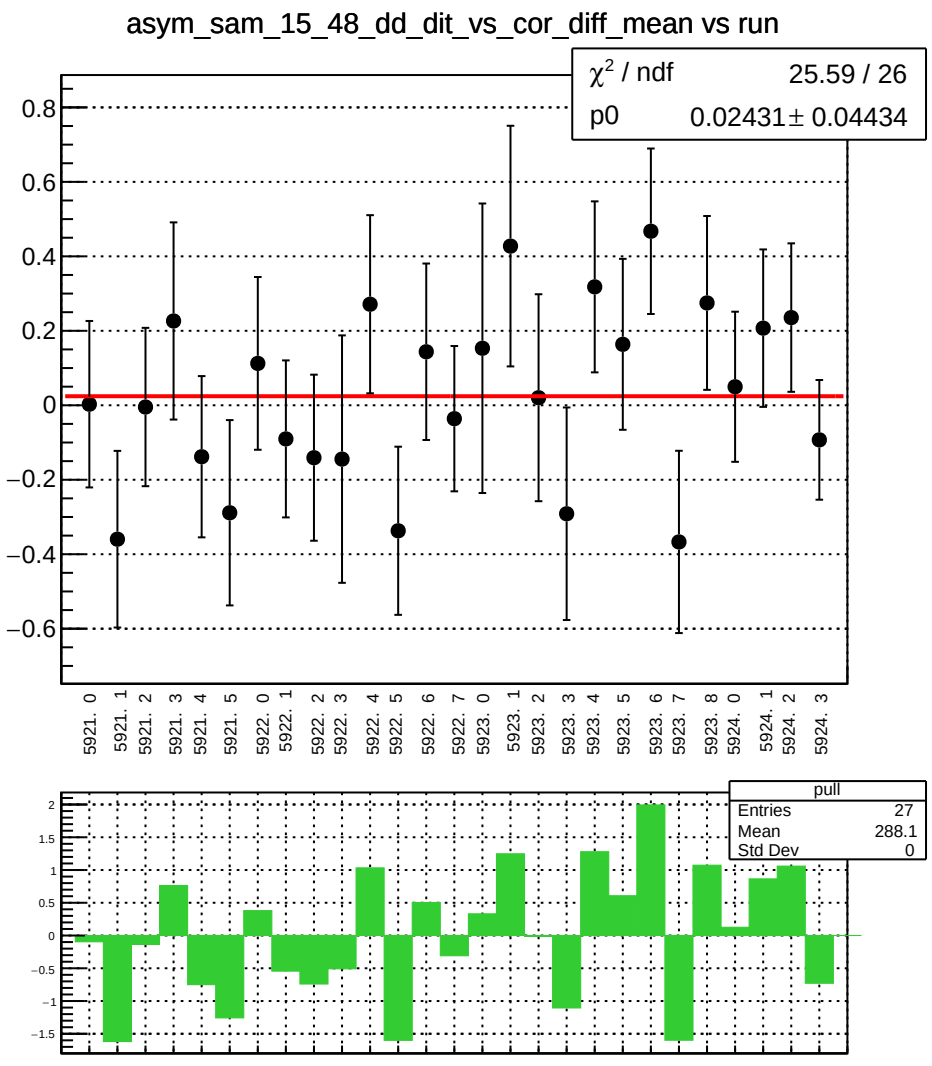

pull1D
Entries 27
Mean 0.008664
Std Dev 0.8015
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

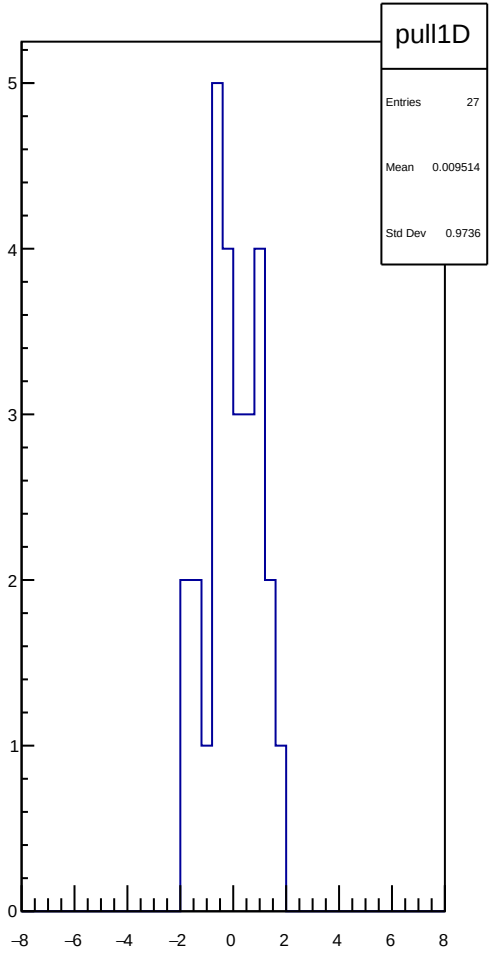

asym_sam_15_48_dd_rms vs run
χ² / ndf 560.8 / 26
p0 711.7 ± 0.9902
780
760
740
720
700
680
660
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

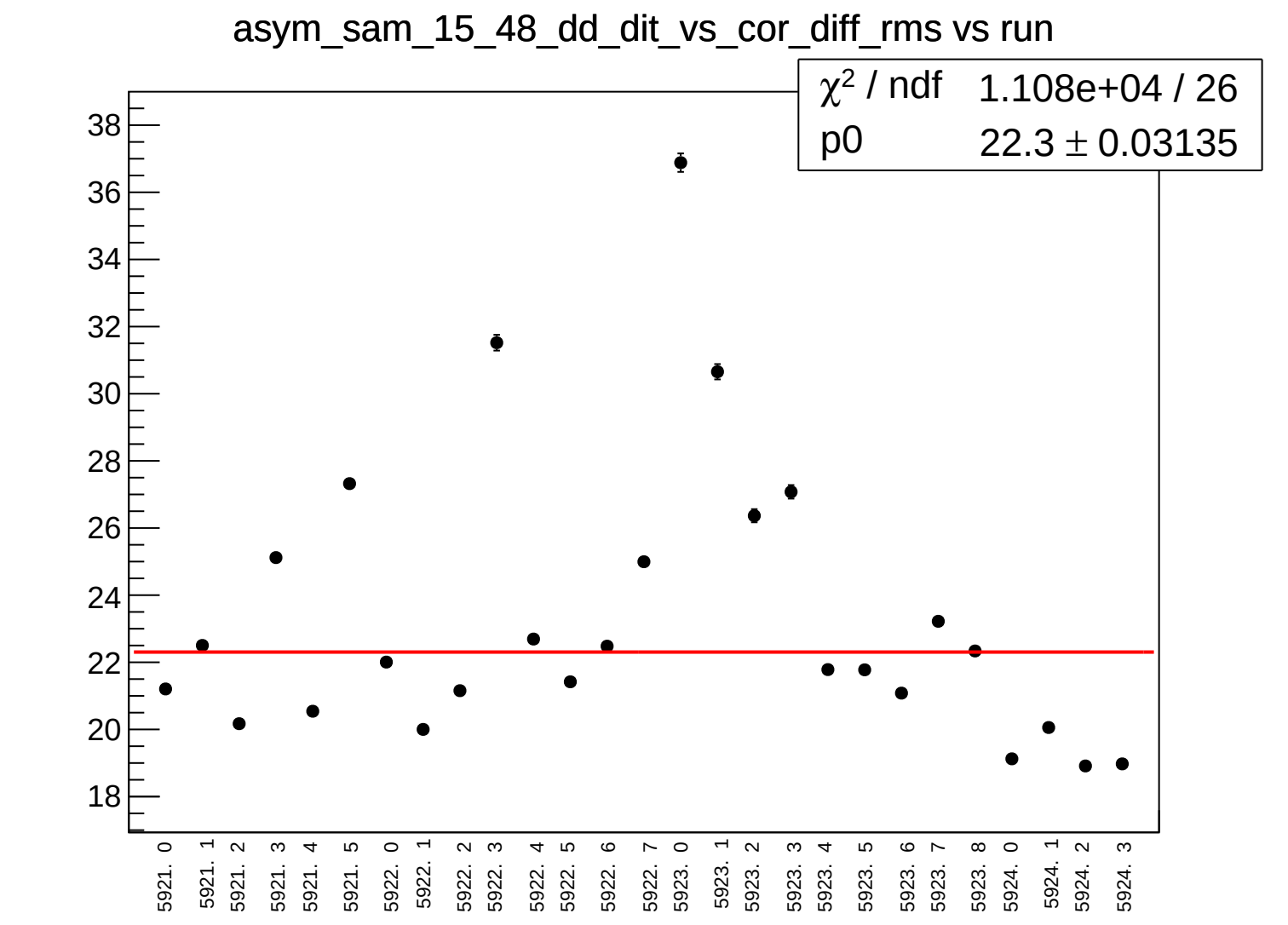

asym_sam_15_48_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 28.85 / 26
p0 2.367e−14 ± 1.384e−13
0.8
0.6
0.4
0.2
0
−0.2
−0.4
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 3.969
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

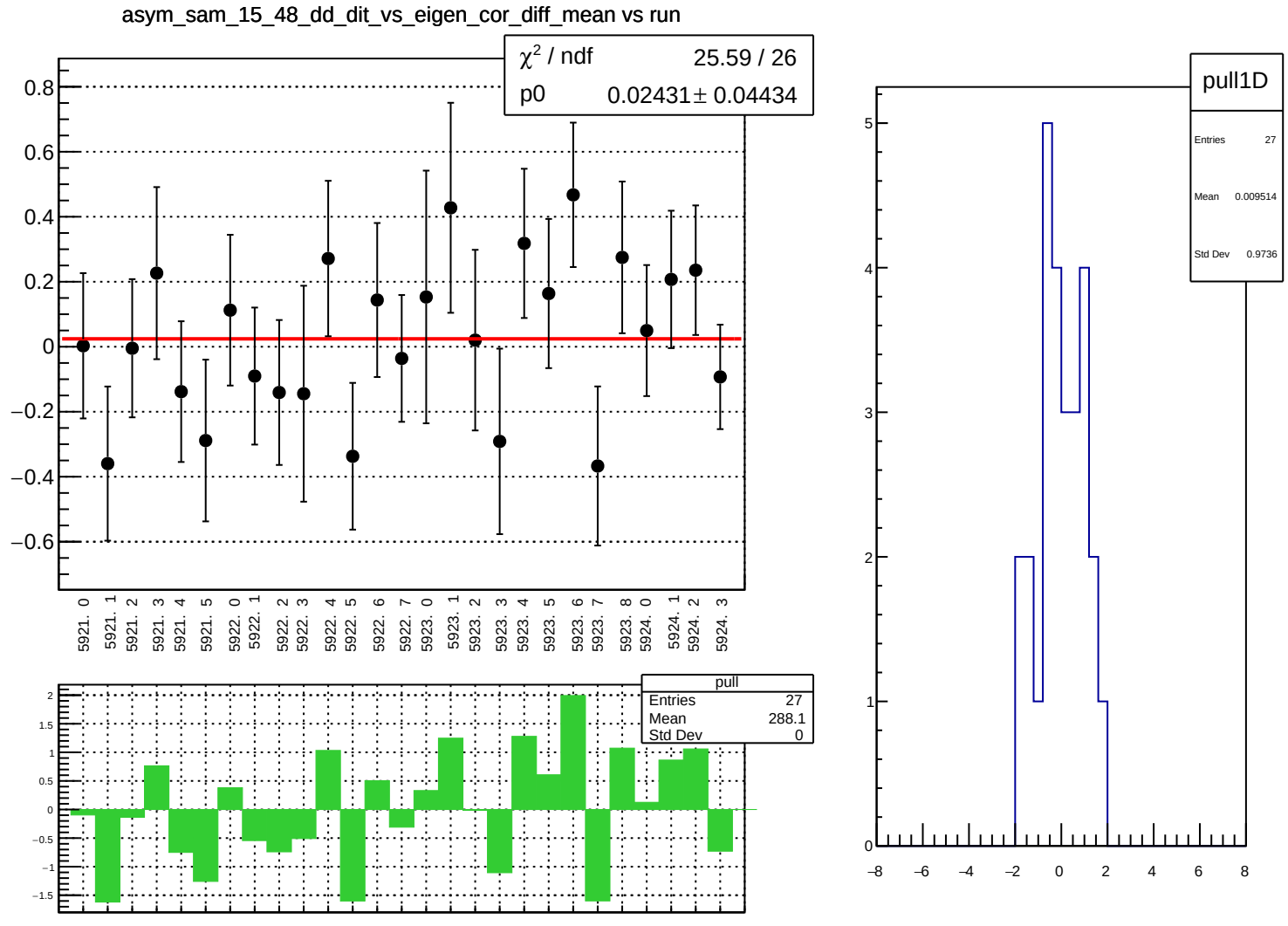

pull1D
Entries 27
Mean 0.2879
Std Dev 0.9929
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

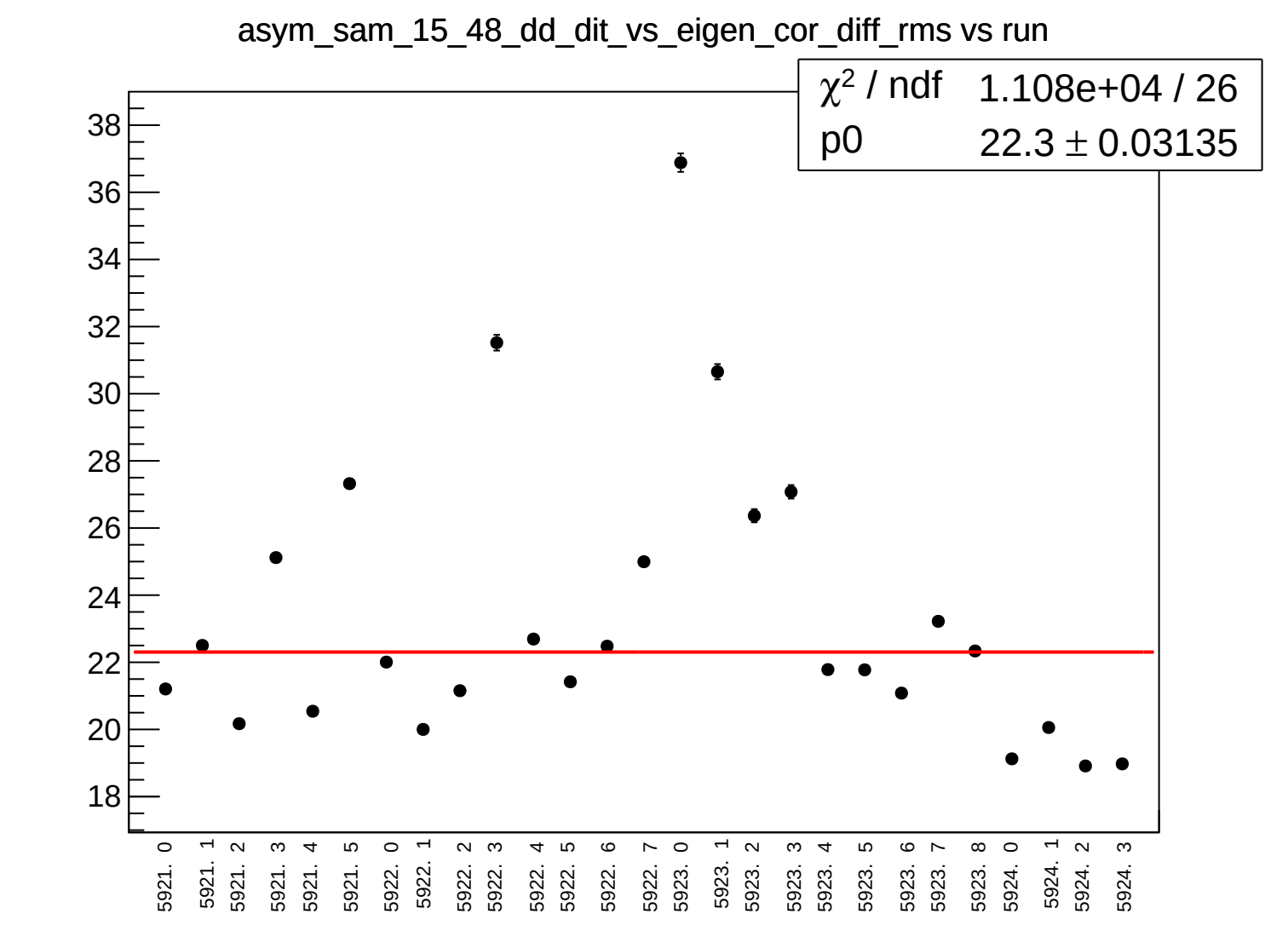

asym_sam_15_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 2.82e+05 / 26
p0 4.745e−11 ± 9.786e−14
0.03
0.025
0.02
0.015
0.01
0.005
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

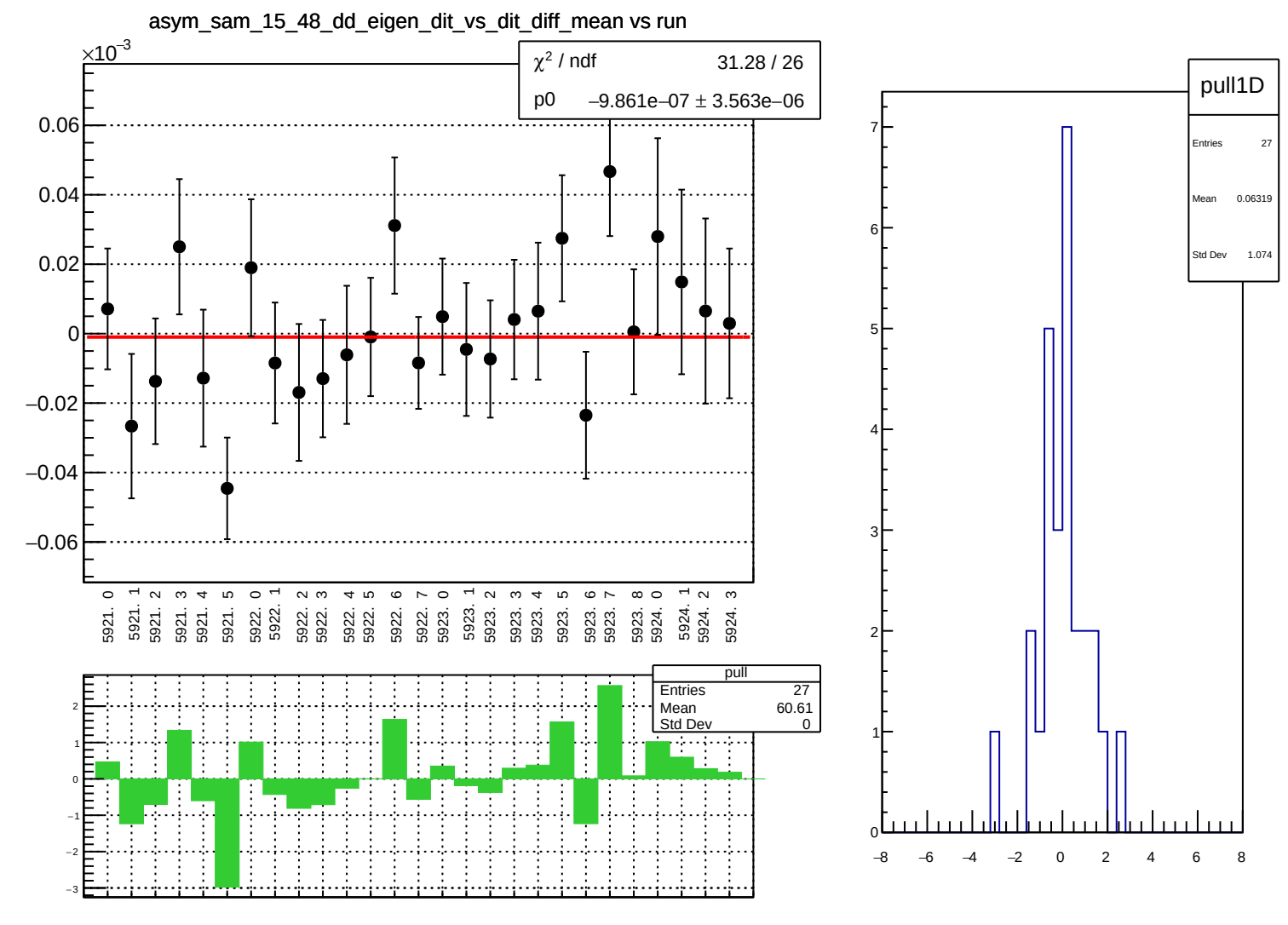

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 25.59 / 26
p0 0.02431± 0.04434
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 288.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

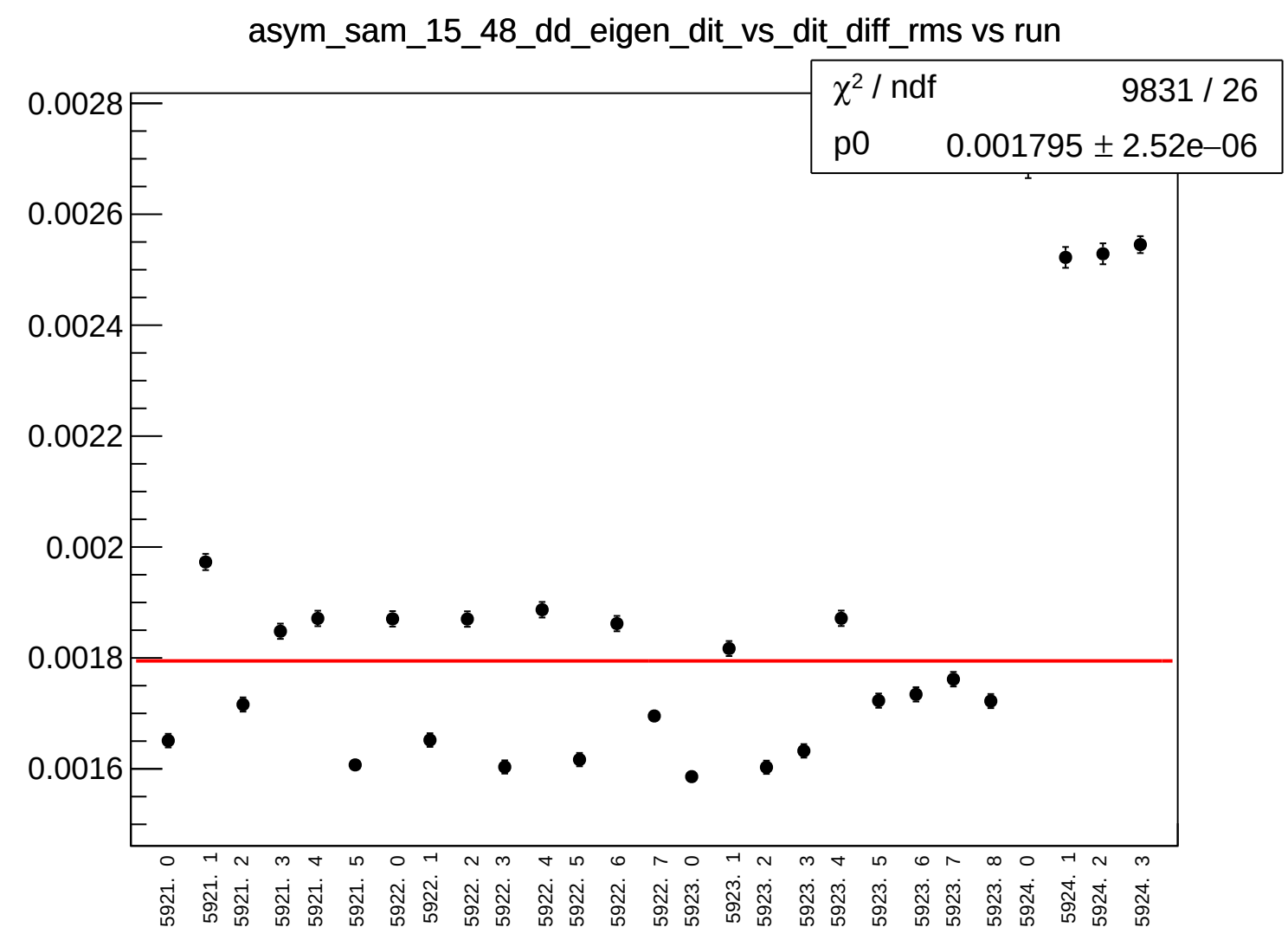

pull1D
Entries 27
Mean 0.009514
Std Dev 0.9736
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

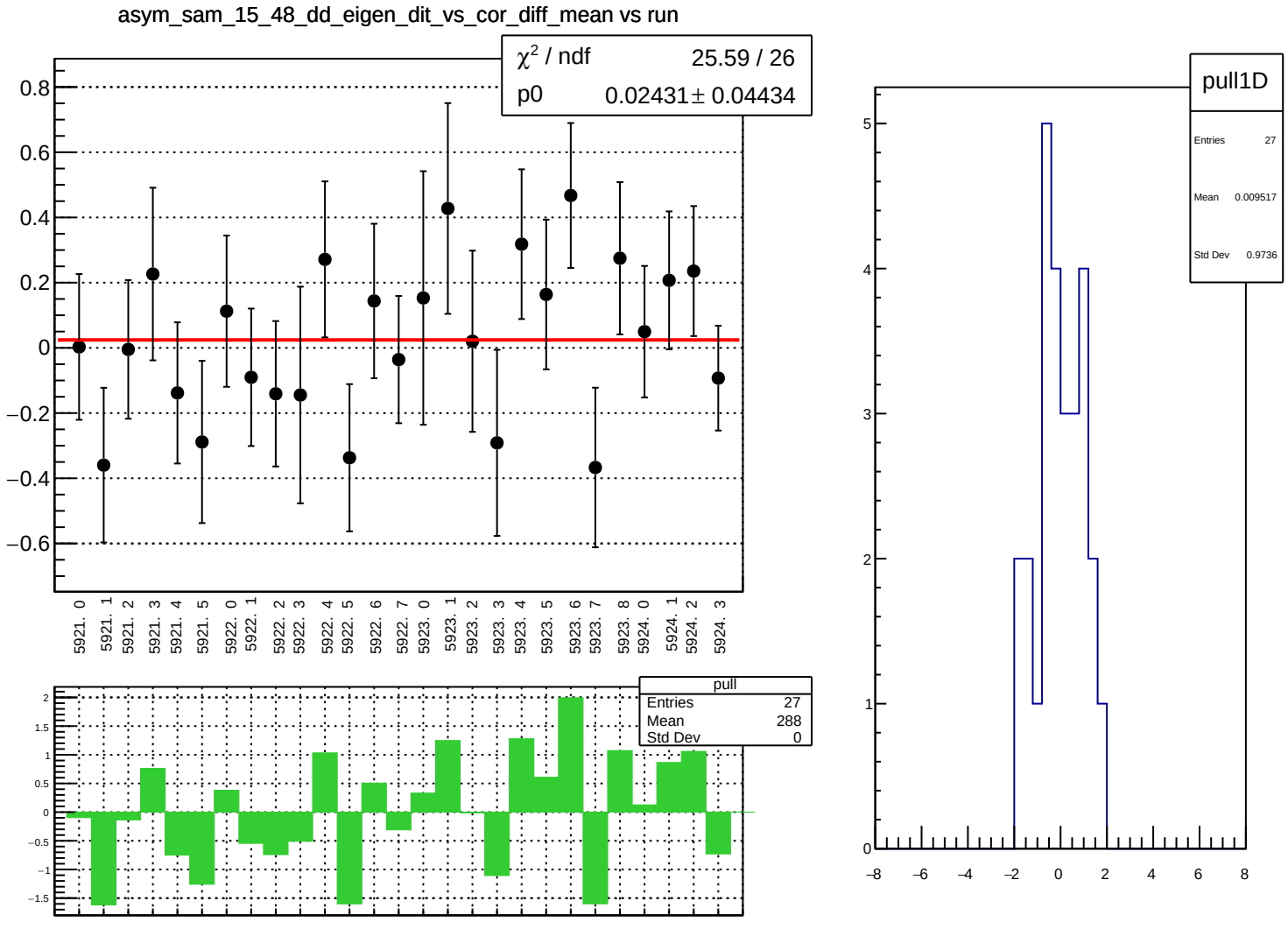

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.108e+04 / 26
p0 22.3 ± 0.03135
38
36
34
32
30
28
26
24
22
20
18
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

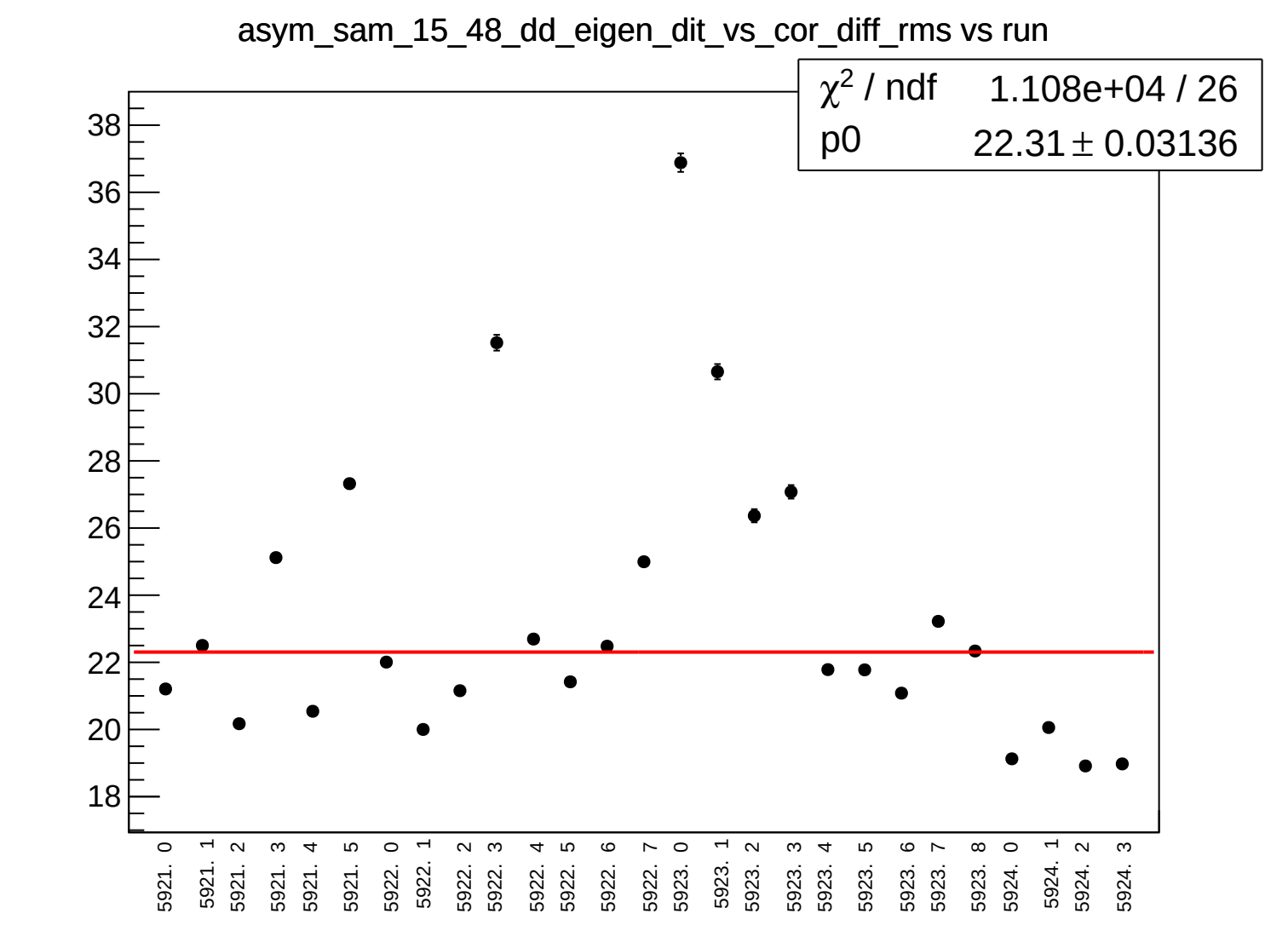

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 25.59 / 26
p0 0.02431± 0.04434
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 288.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.009514
Std Dev 0.9736
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

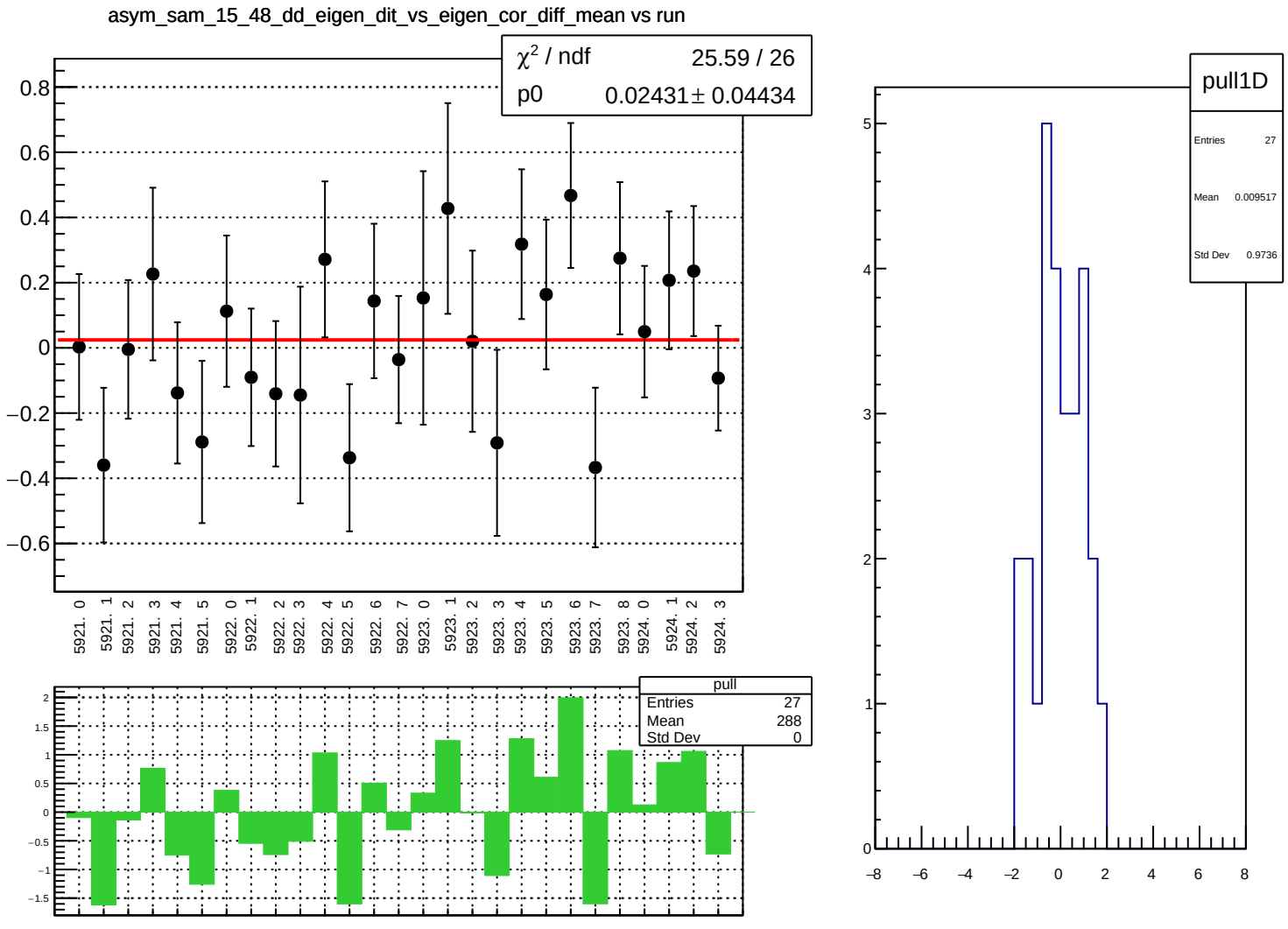

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.108e+04 / 26
p0 22.3 ± 0.03135
38
36
34
32
30
28
26
24
22
20
18
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

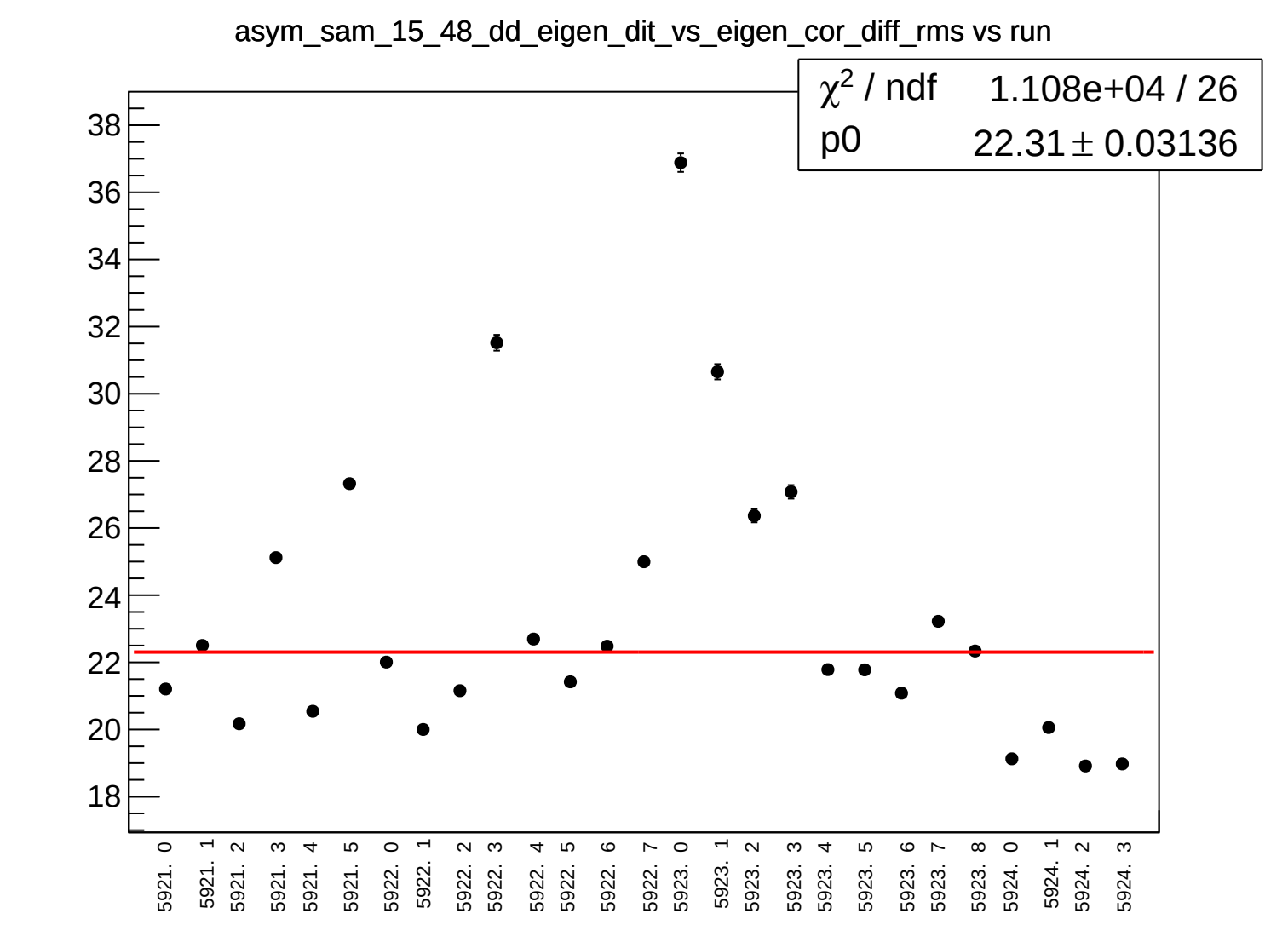

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 31.28 / 26
p0 −9.861e−07 ± 3.563e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 60.61
Std Dev 0
pull1D
Entries 27
Mean 0.06319
Std Dev 1.074

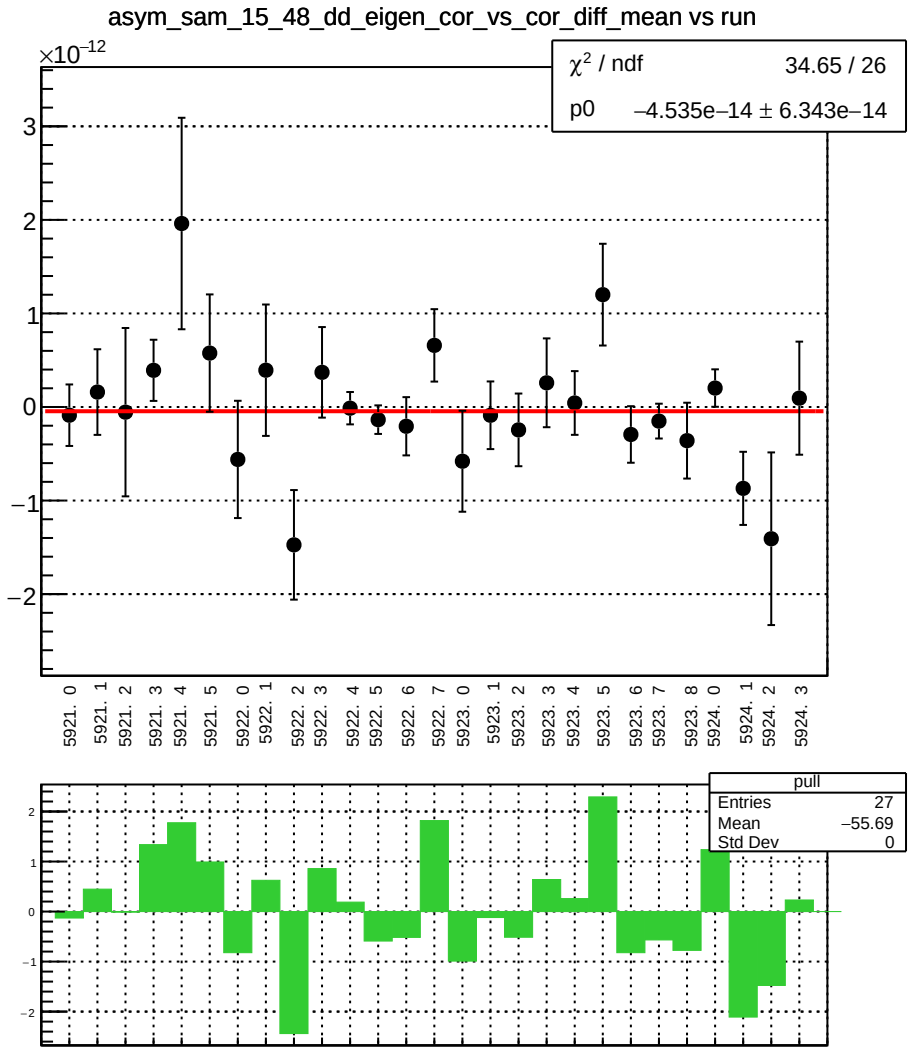

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 9831 / 26
p0 0.001795 ± 2.52e−06
0.0028
0.0026
0.0024
0.0022
0.002
0.0018
0.0016
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

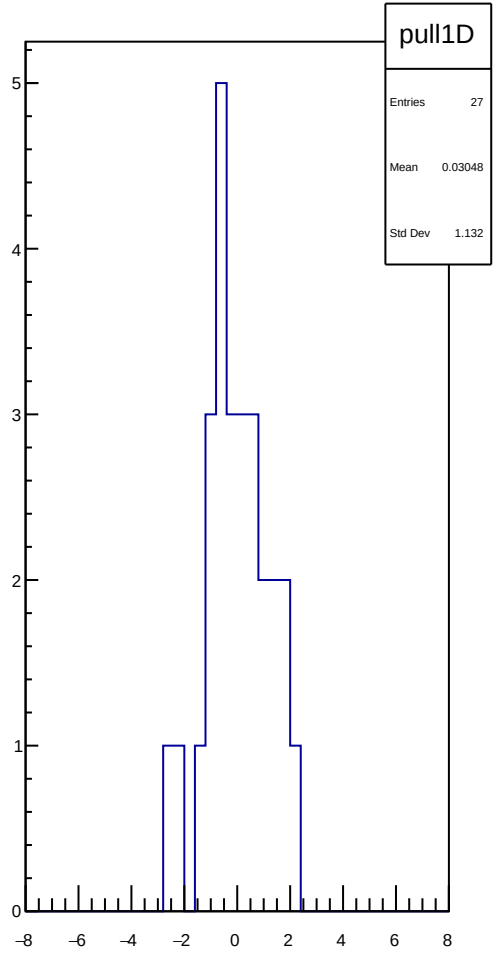

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 25.59 / 26
p0 0.02431± 0.04434
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 288
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.009517
Std Dev 0.9736
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

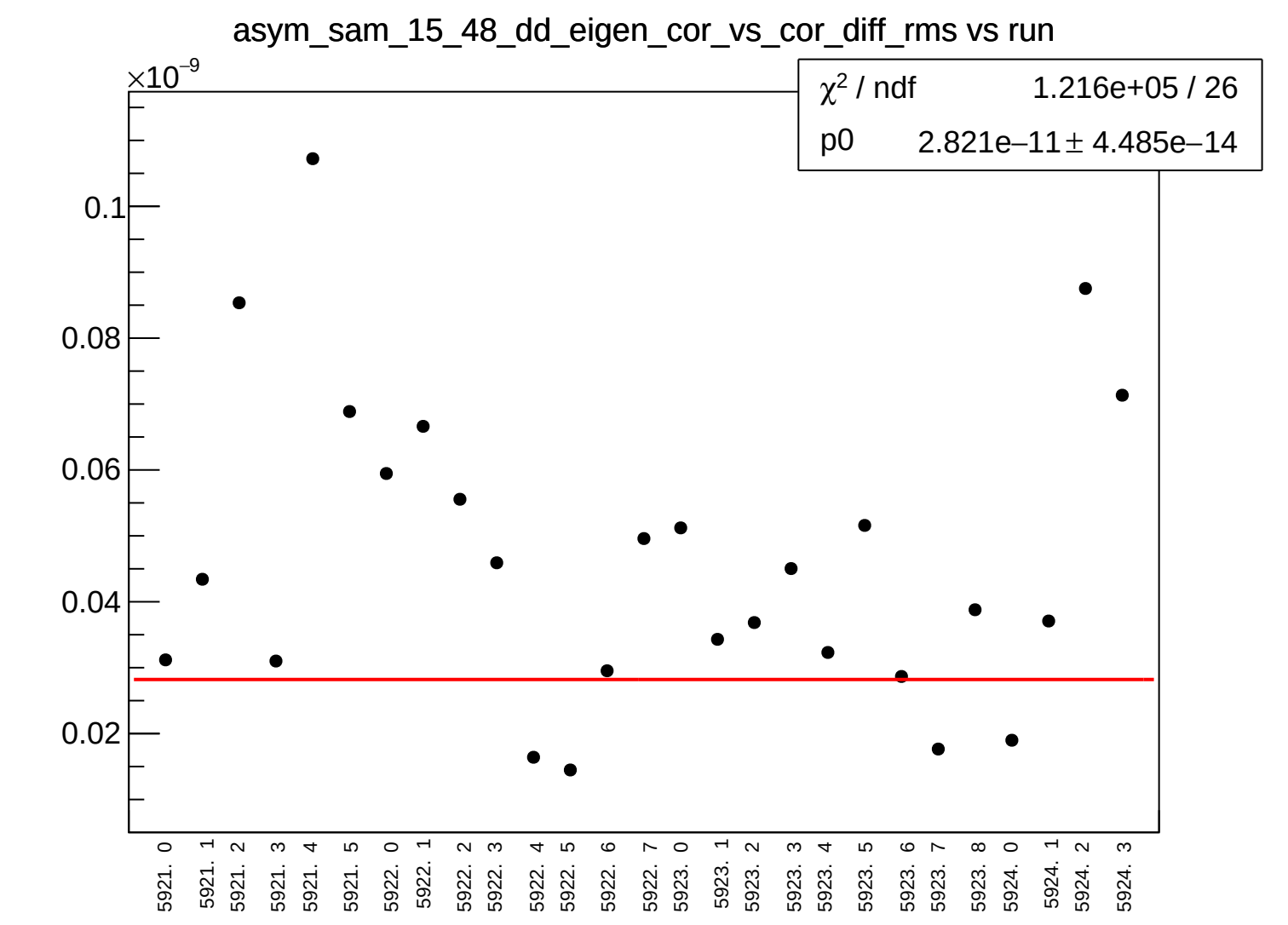

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.108e+04 / 26
p0 22.31 ± 0.03136
38
36
34
32
30
28
26
24
22
20
18
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

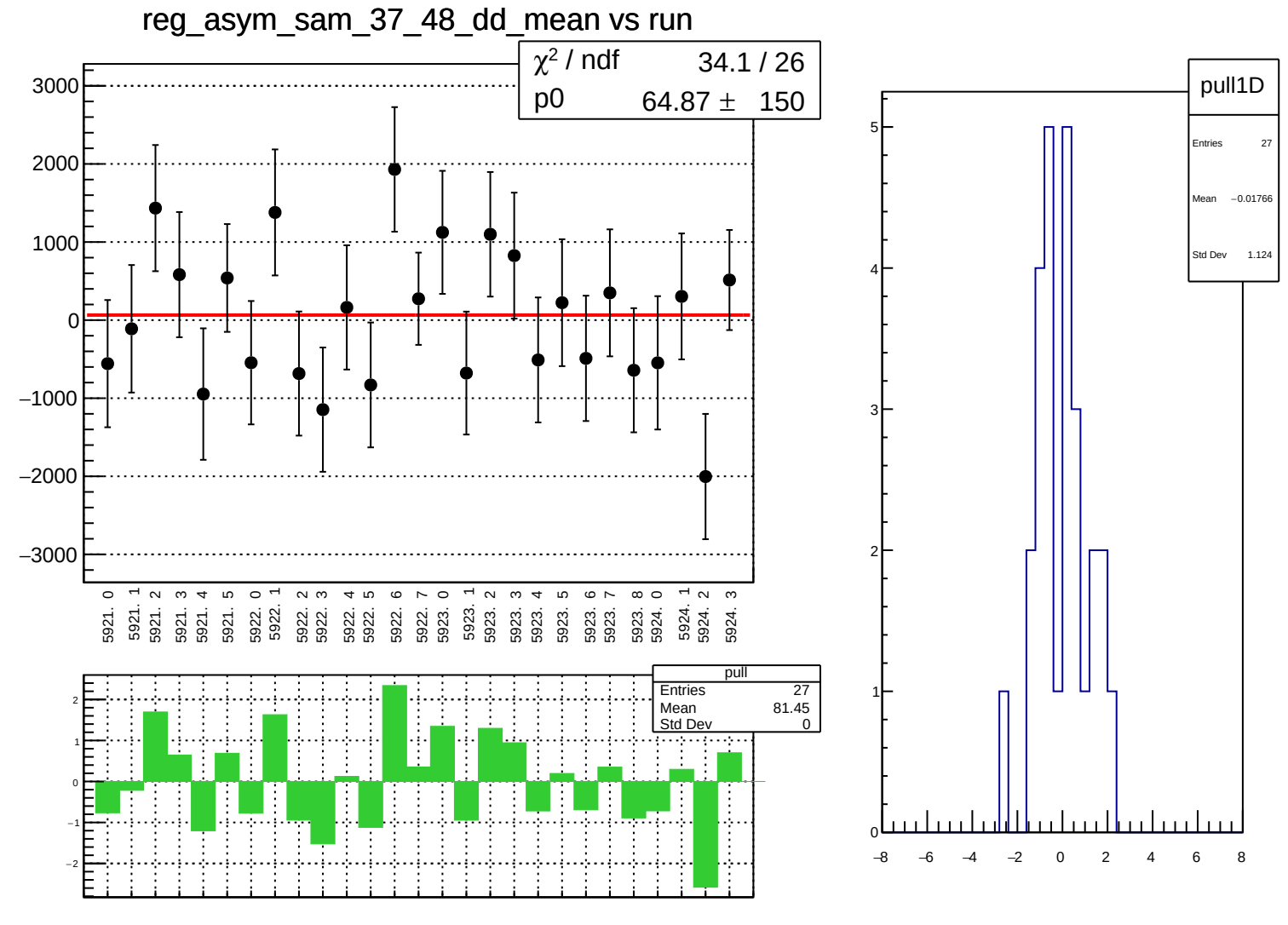

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 25.59 / 26
p0 0.02431 ± 0.04434
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 288
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.009517
Std Dev 0.9736
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

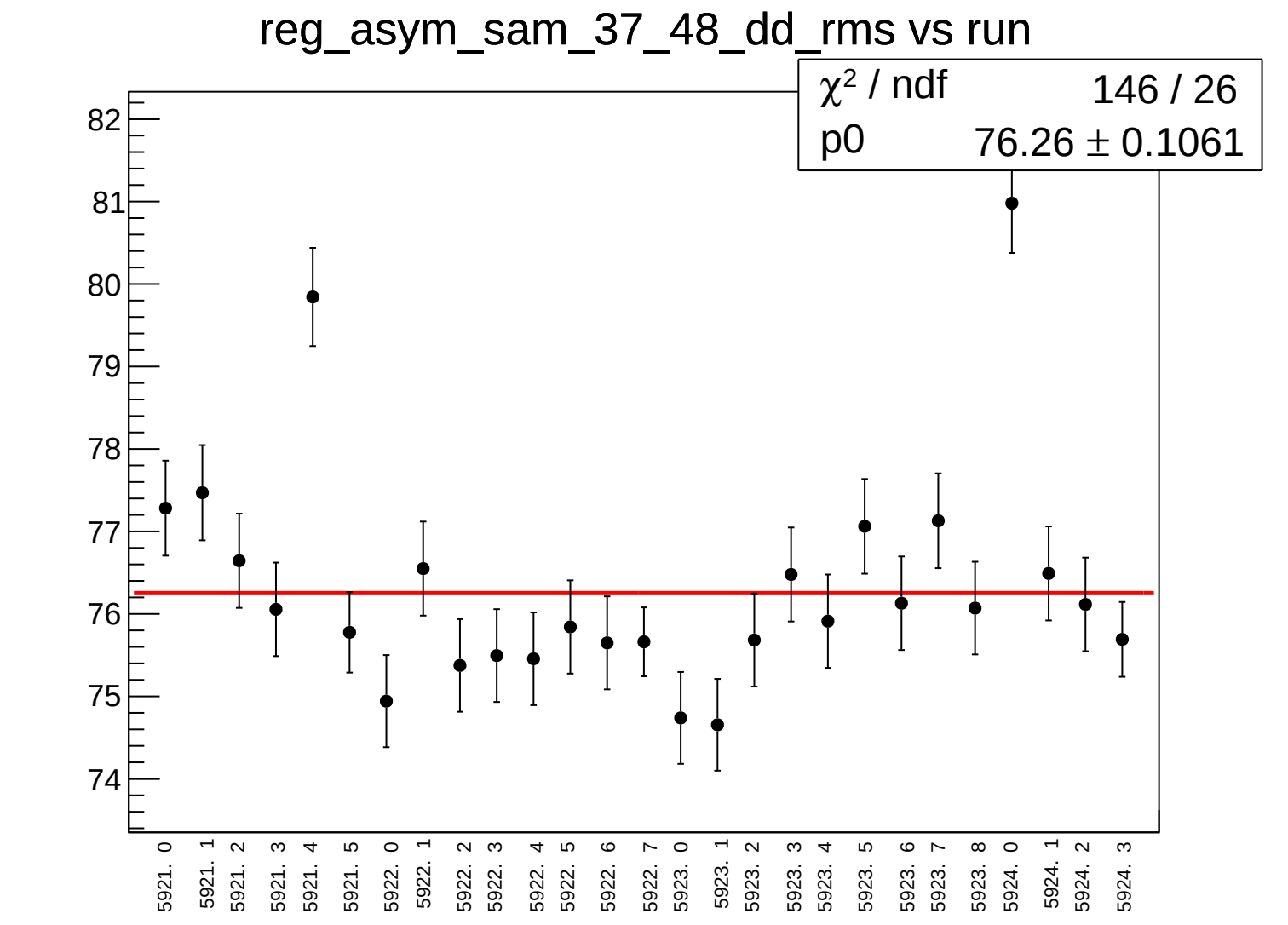

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.108e+04 / 26
p0 22.31 ± 0.03136
38
36
34
32
30
28
26
24
22
20
18
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

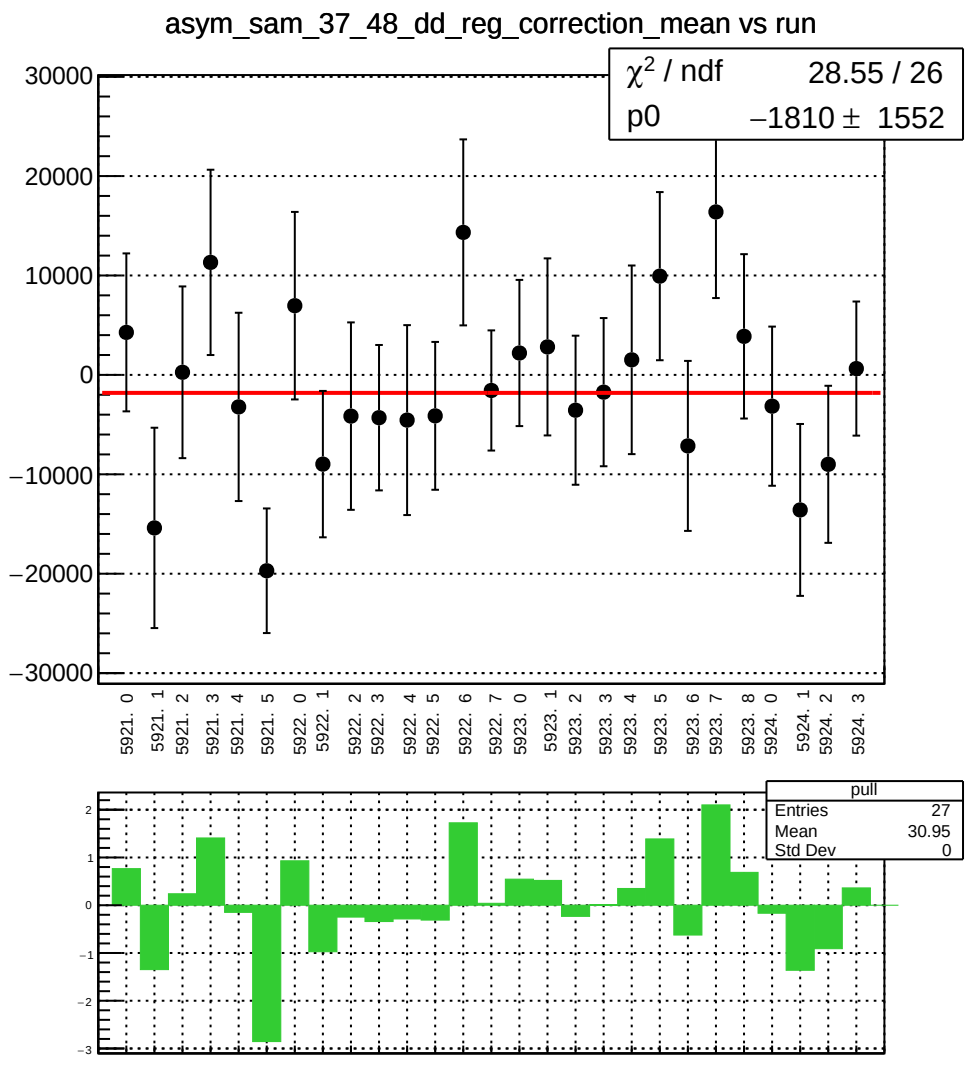

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 34.65 / 26
p0 −4.535e−14 ± 6.343e−14
3
2
1
0
−1
−2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −55.69
Std Dev 0
2
1
0
−1
−2

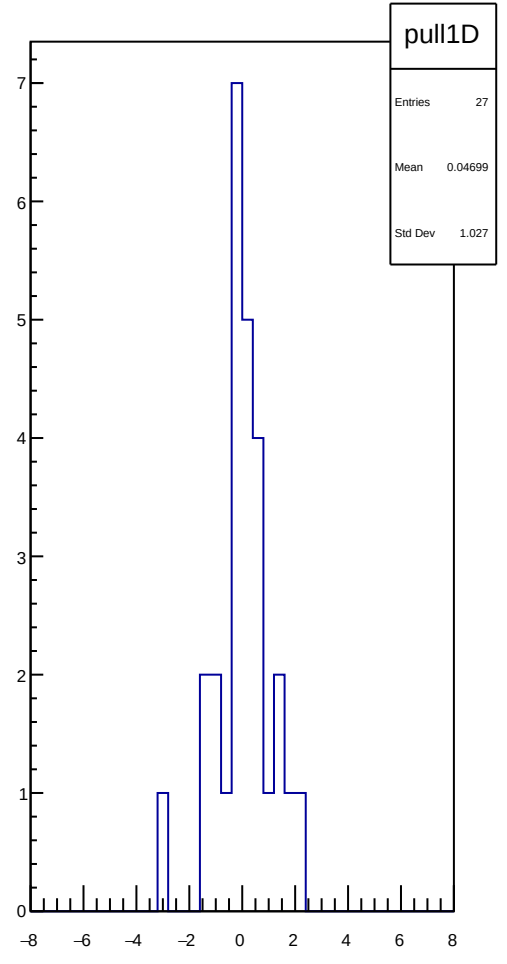

pull1D
Entries 27
Mean 0.03048
Std Dev 1.132
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

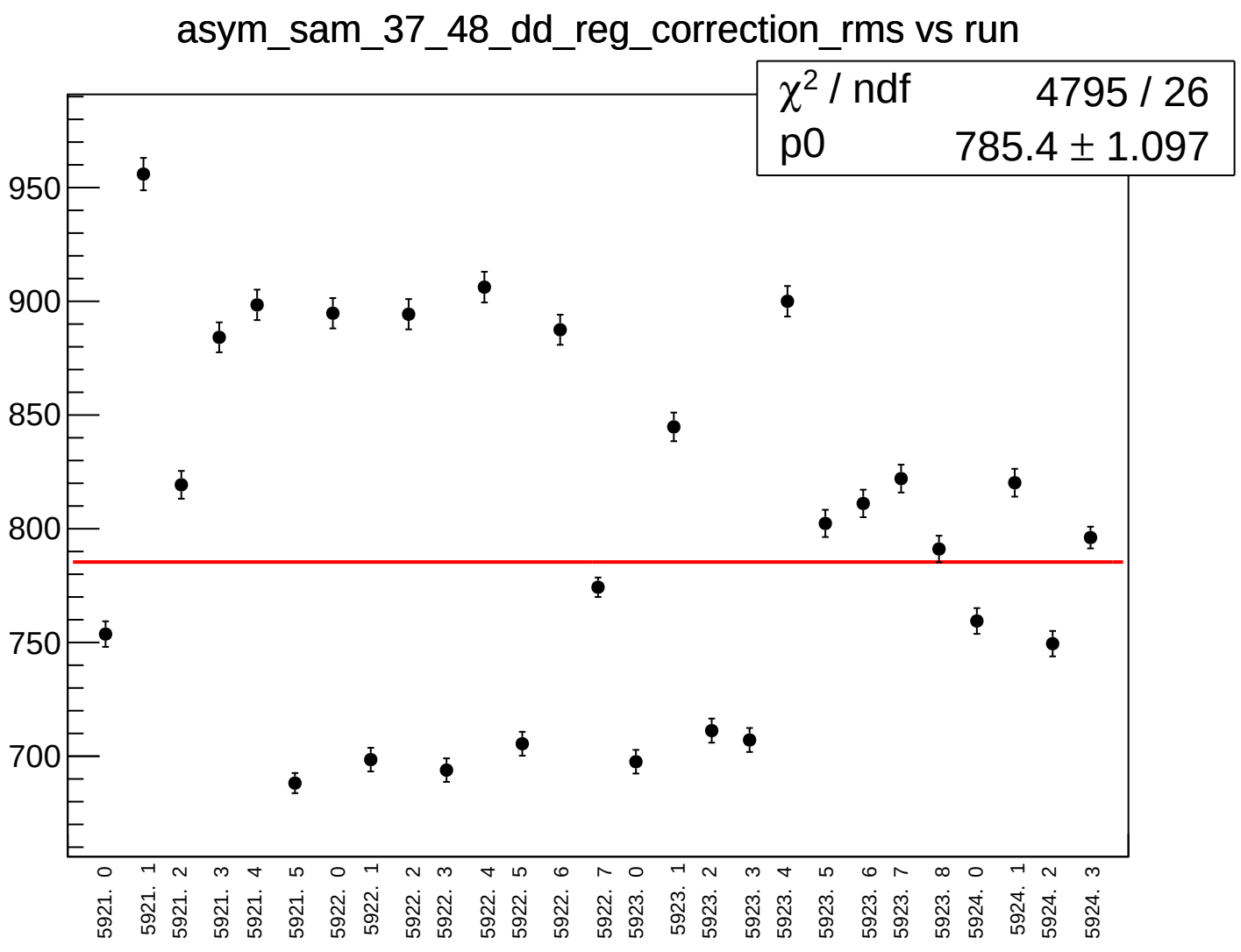

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.216e+05 / 26
p0 2.821e−11 ± 4.485e−14
0.1
0.08
0.06
0.04
0.02
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

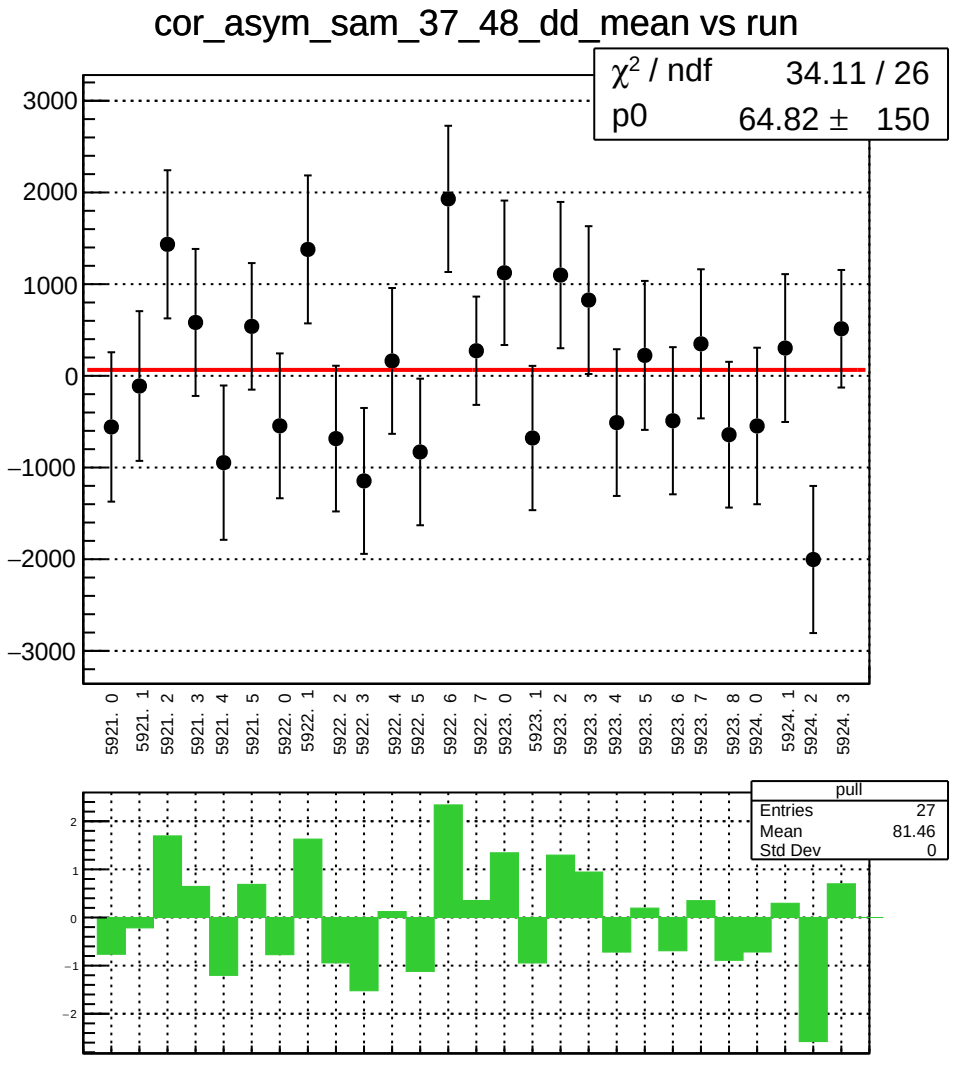

reg_asym_sam_37_48_dd_mean vs run
χ² / ndf 34.1 / 26
p0 64.87 ± 150
3000
2000
1000
0
−1000
−2000
−3000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 81.45
Std Dev 0
pull1D
Entries 27
Mean −0.01766
Std Dev 1.124

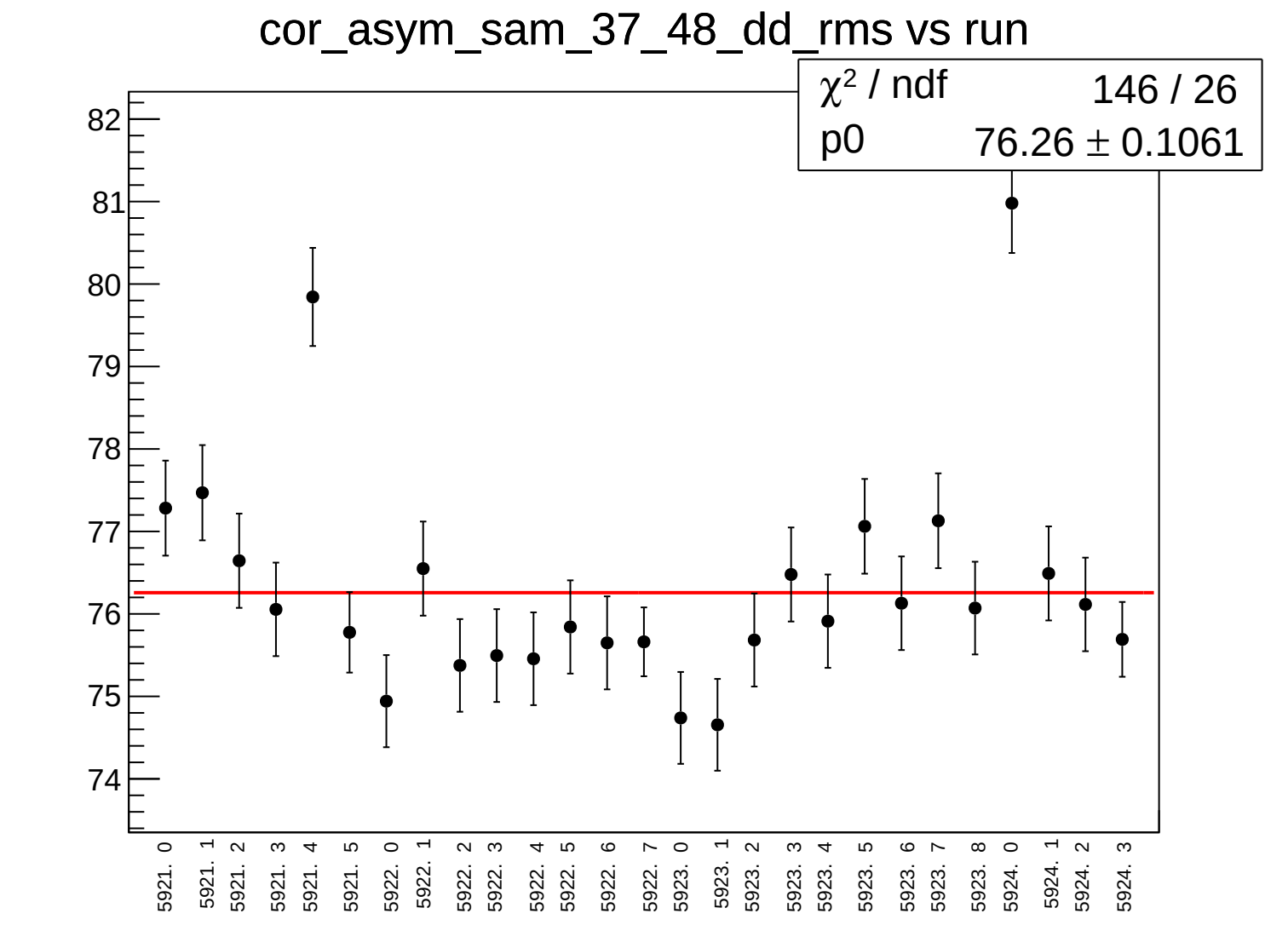

reg_asym_sam_37_48_dd_rms vs run
χ² / ndf 146 / 26
p0 76.26 ± 0.1061
82
81
80
79
78
77
76
75
74
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

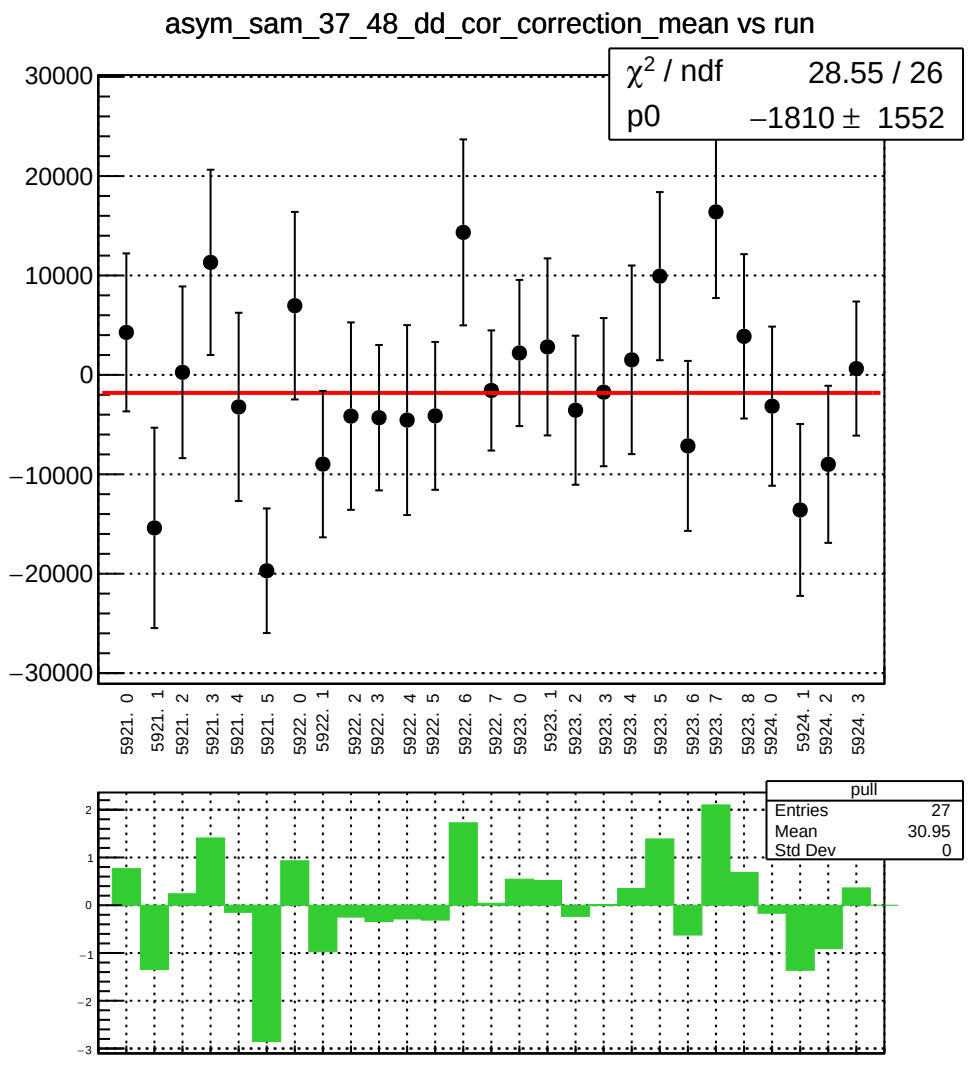

asym_sam_37_48_dd_reg_correction_mean vs run
χ² / ndf 28.55 / 26
p0 −1810 ± 1552
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 30.95
Std Dev 0
2
1
0
−1
−2
−3

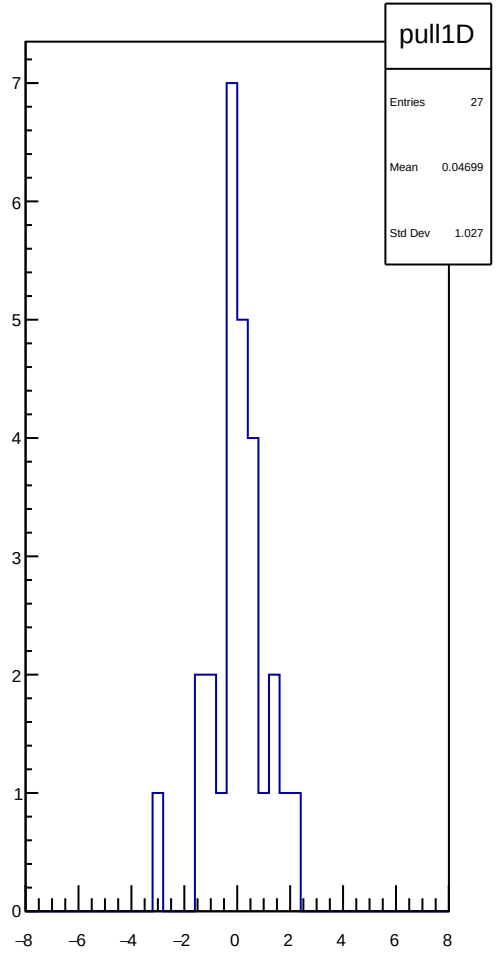

pull1D
Entries 27
Mean 0.04699
Std Dev 1.027
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

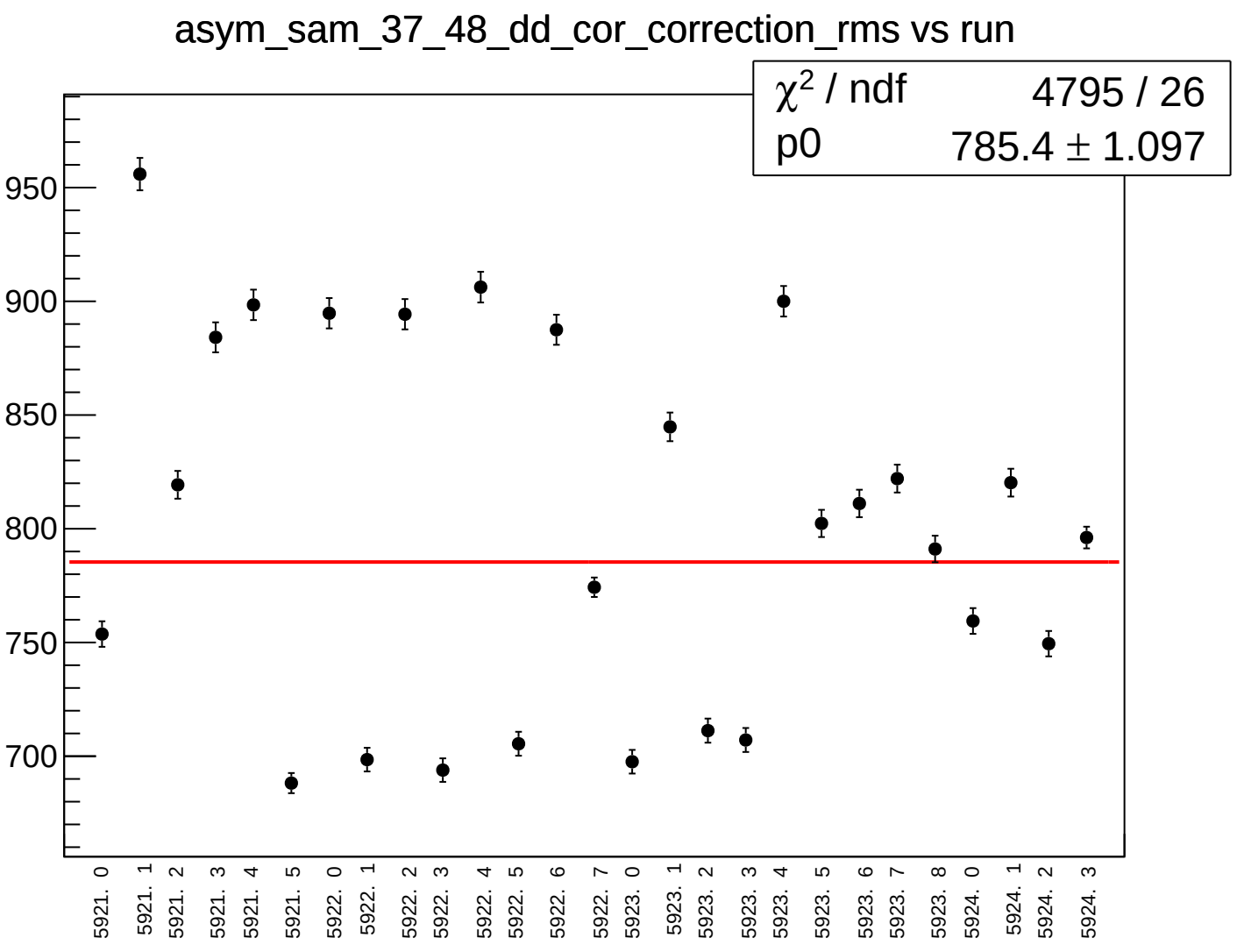

asym_sam_37_48_dd_reg_correction_rms vs run
χ² / ndf 4795 / 26
p0 785.4 ± 1.097
950
900
850
800
750
700
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

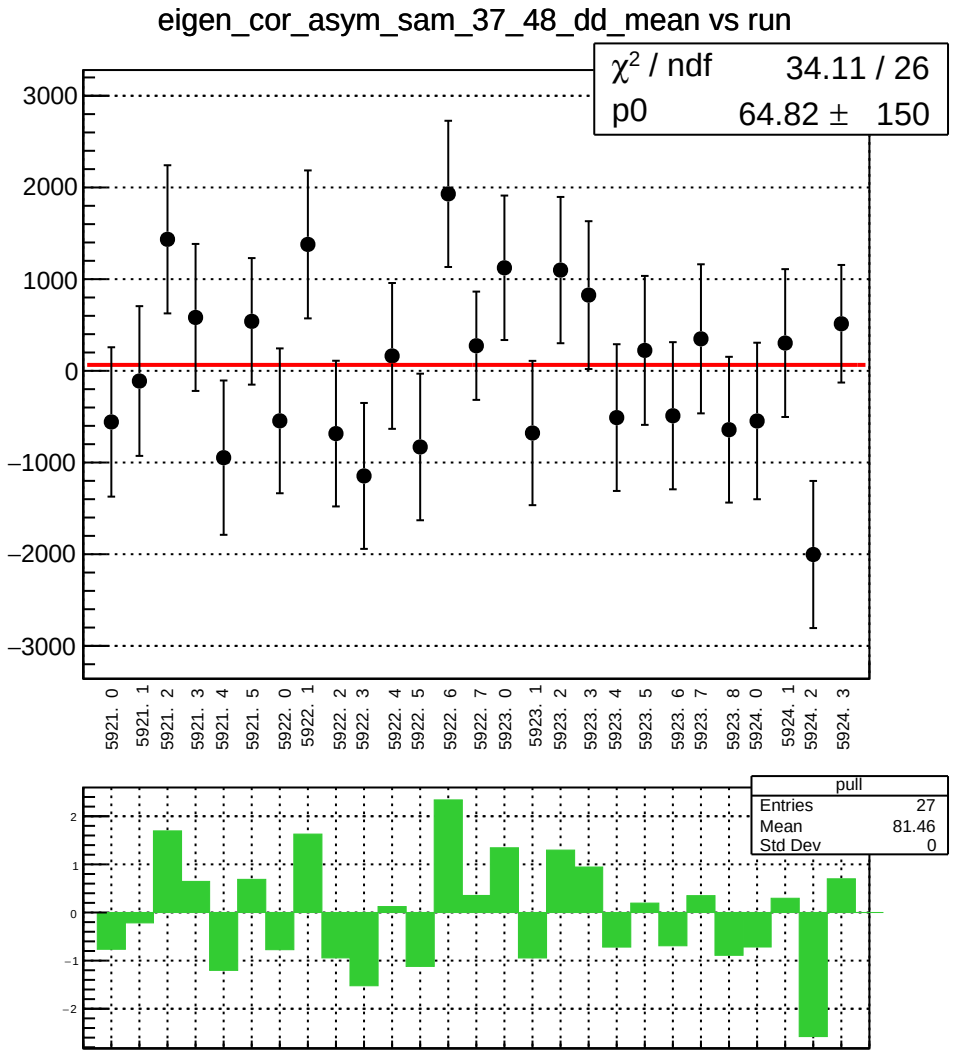

cor_asym_sam_37_48_dd_mean vs run
χ² / ndf 34.11 / 26
p0 64.82 ± 150
3000
2000
1000
0
−1000
−2000
−3000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 81.46
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean −0.01766
Std Dev 1.124
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

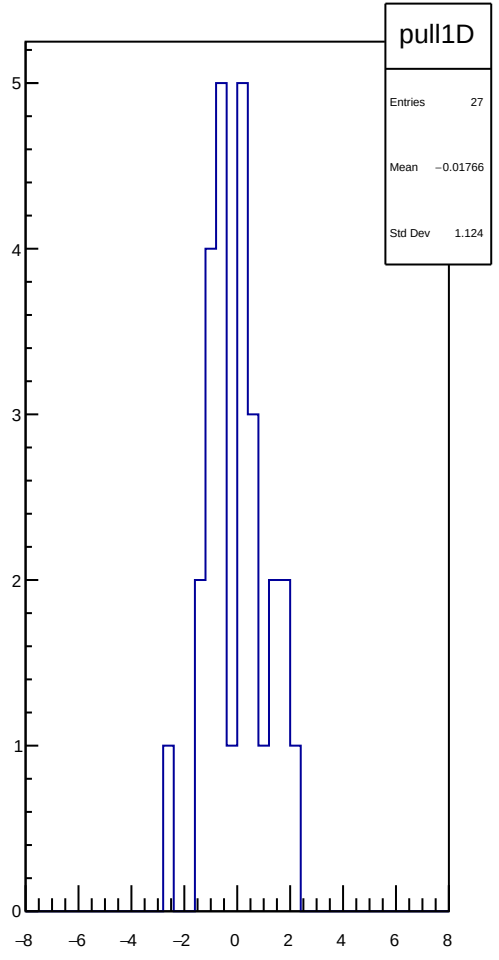

cor_asym_sam_37_48_dd_rms vs run
χ² / ndf 146 / 26
p0 76.26 ± 0.1061
82
81
80
79
78
77
76
75
74
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

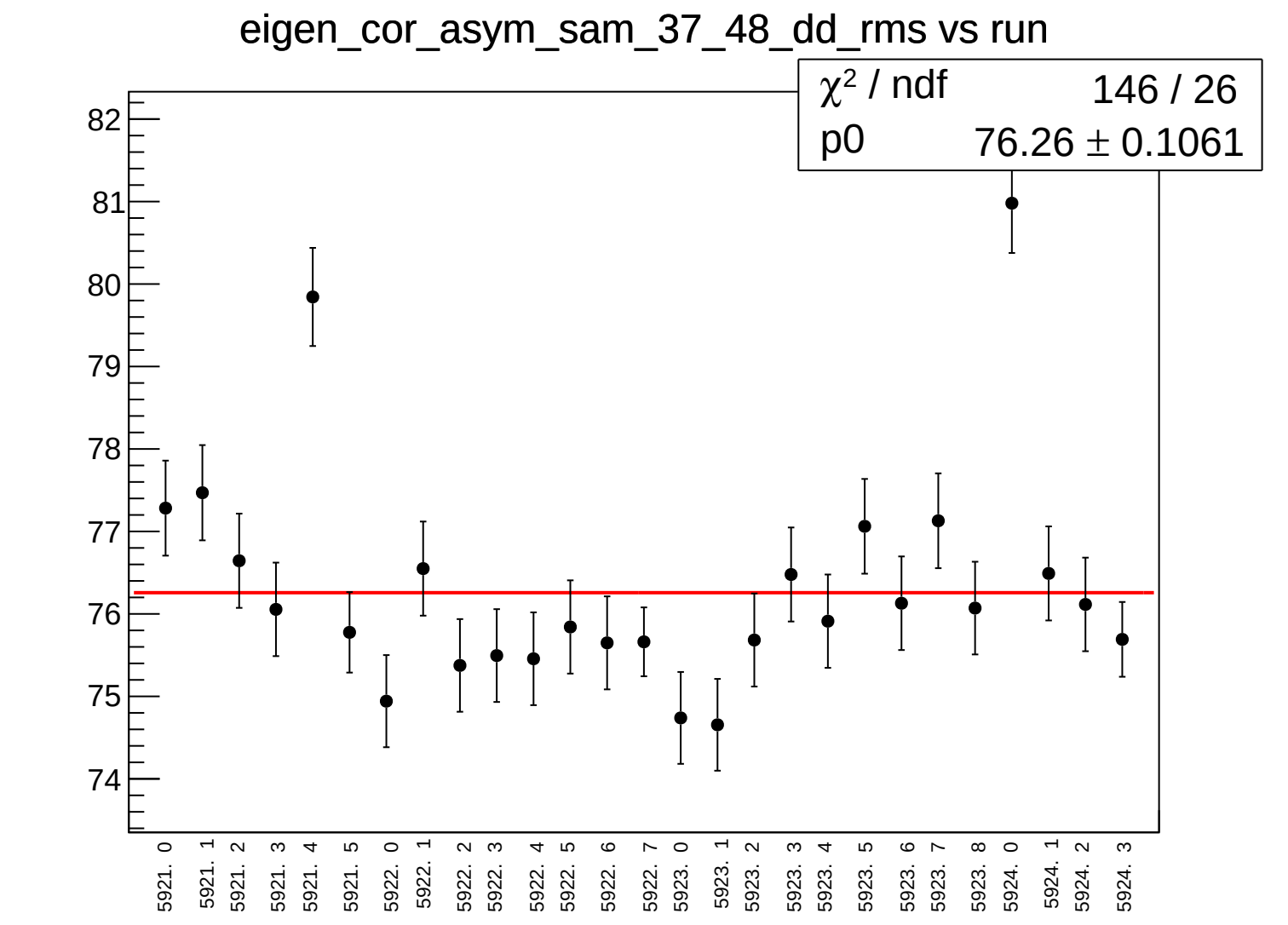

asym_sam_37_48_dd_cor_correction_mean vs run
χ² / ndf 28.55 / 26
p0 −1810 ± 1552
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 30.95
Std Dev 0
2
1
0
−1
−2
−3

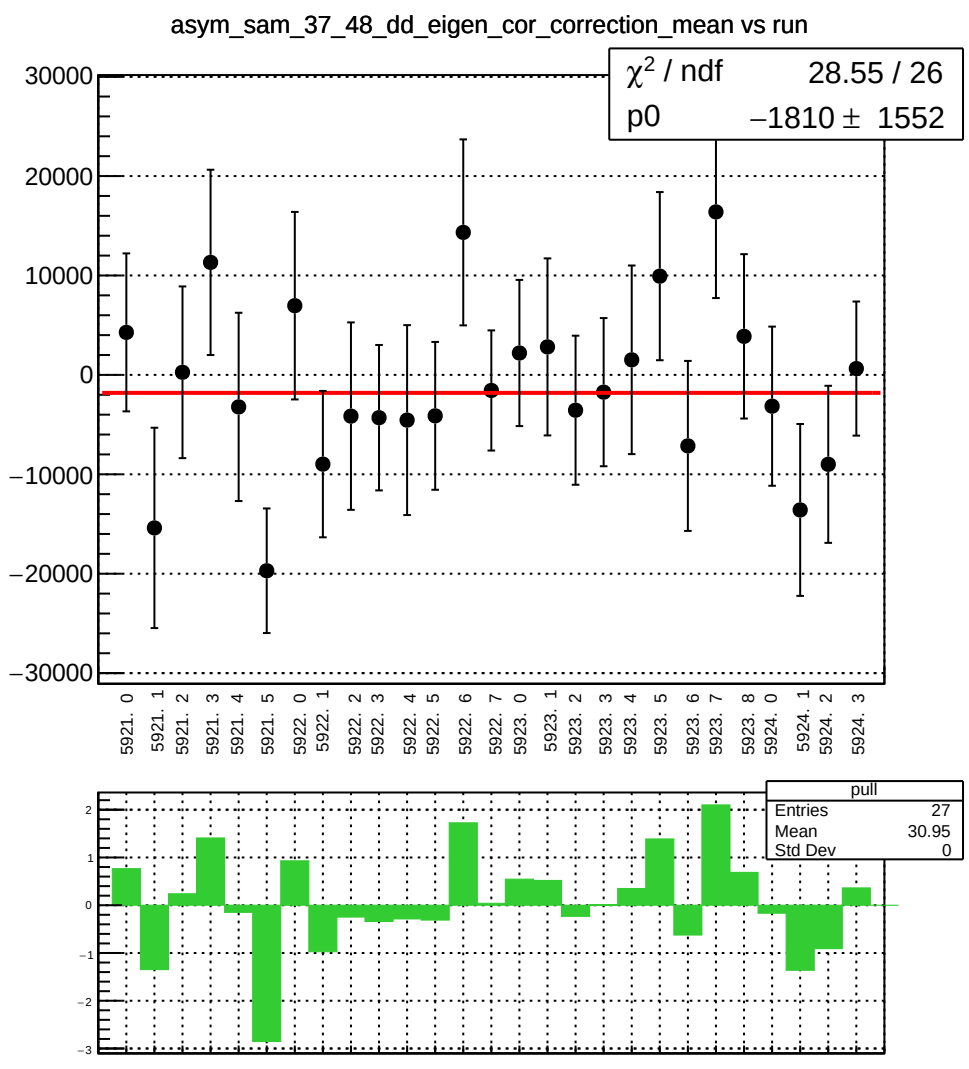

pull1D
Entries 27
Mean 0.04699
Std Dev 1.027
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

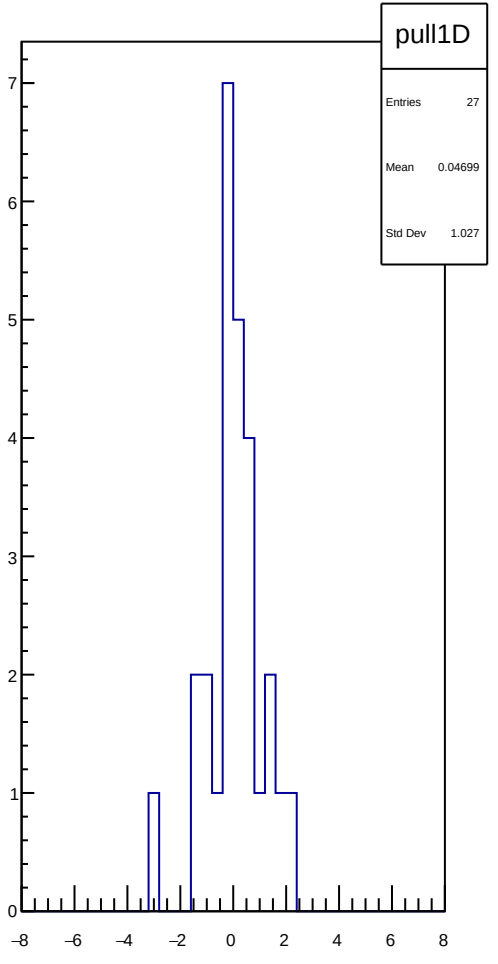

asym_sam_37_48_dd_cor_correction_rms vs run
χ² / ndf 4795 / 26
p0 785.4 ± 1.097
950
900
850
800
750
700
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

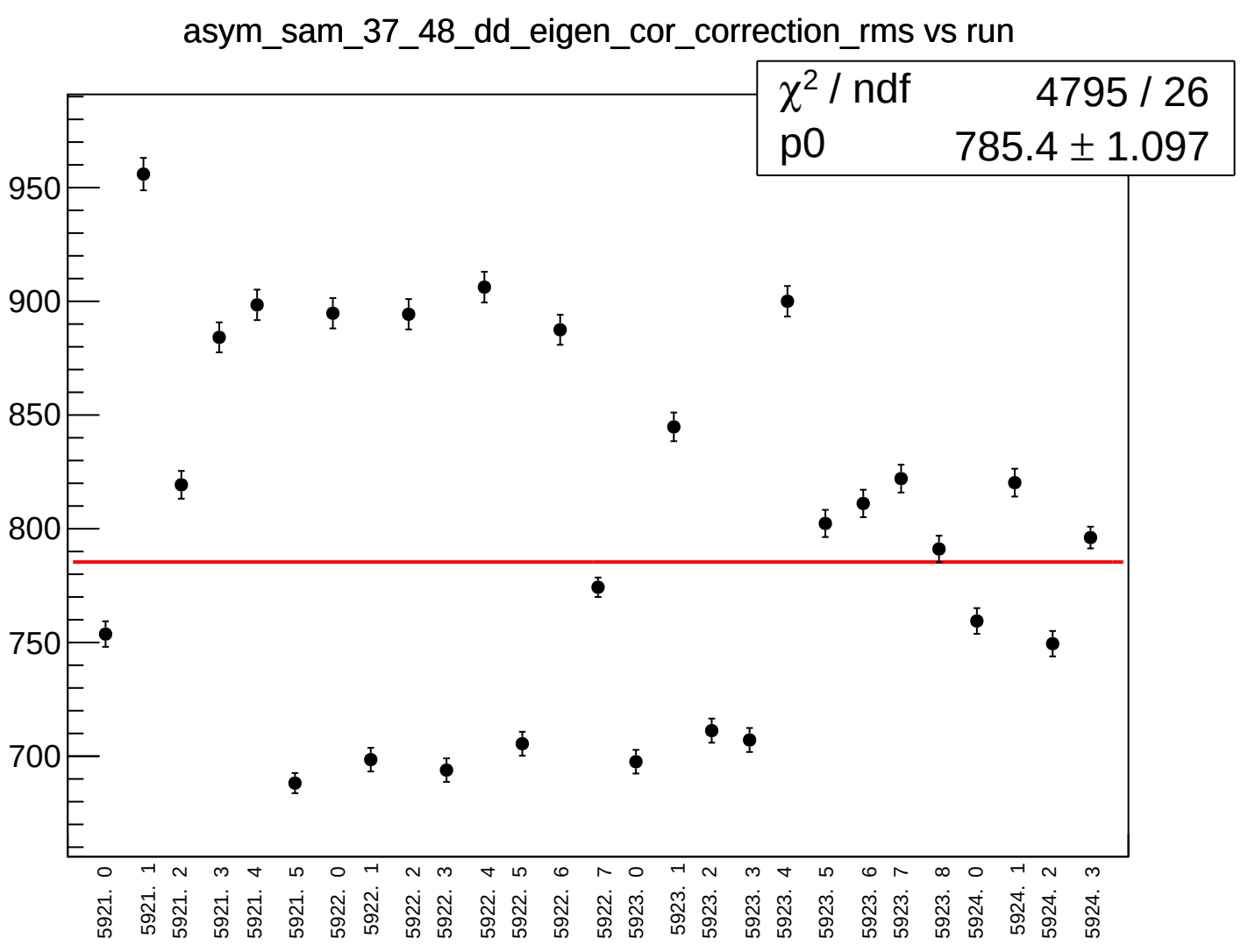

eigen_cor_asym_sam_37_48_dd_mean vs run
χ² / ndf 34.11 / 26
p0 64.82 ± 150
3000
2000
1000
0
−1000
−2000
−3000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 81.46
Std Dev 0
2
1
0
−1
−2

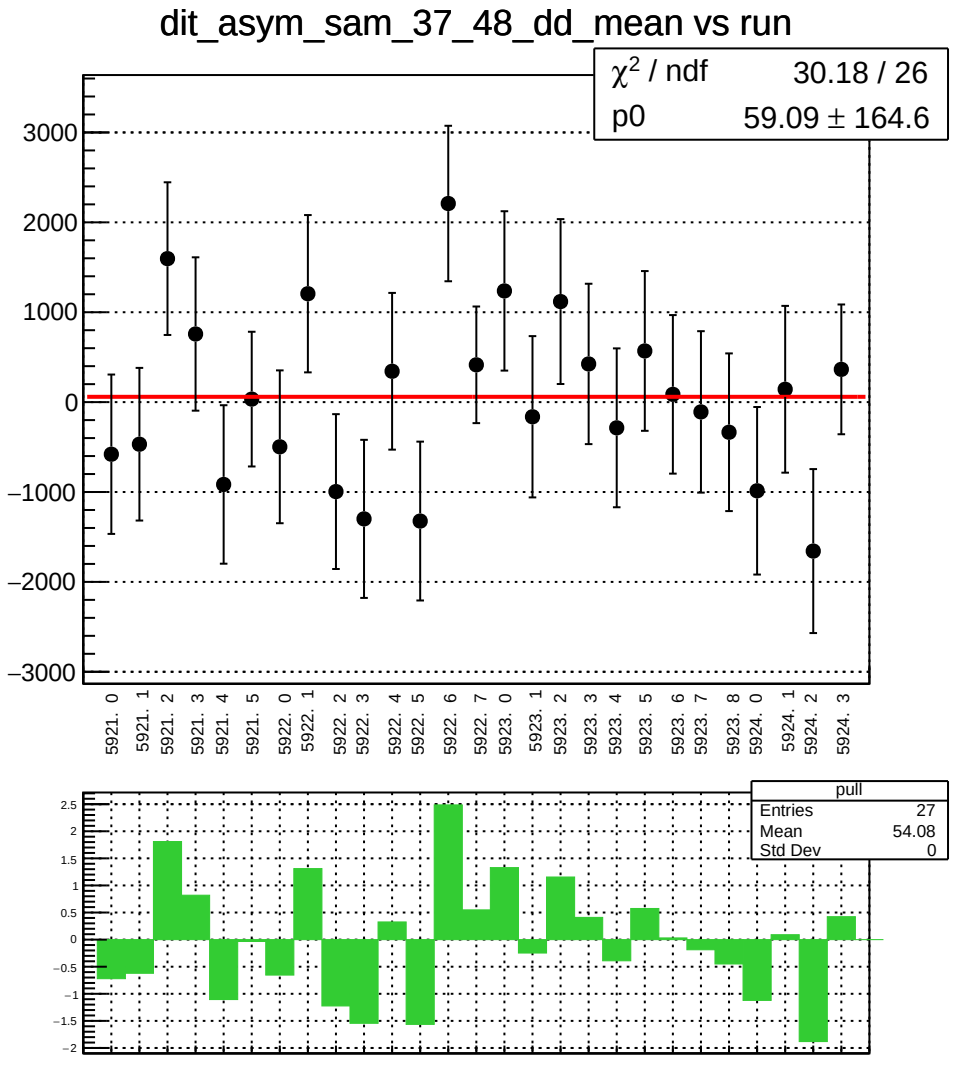

pull1D
Entries 27
Mean −0.01766
Std Dev 1.124
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

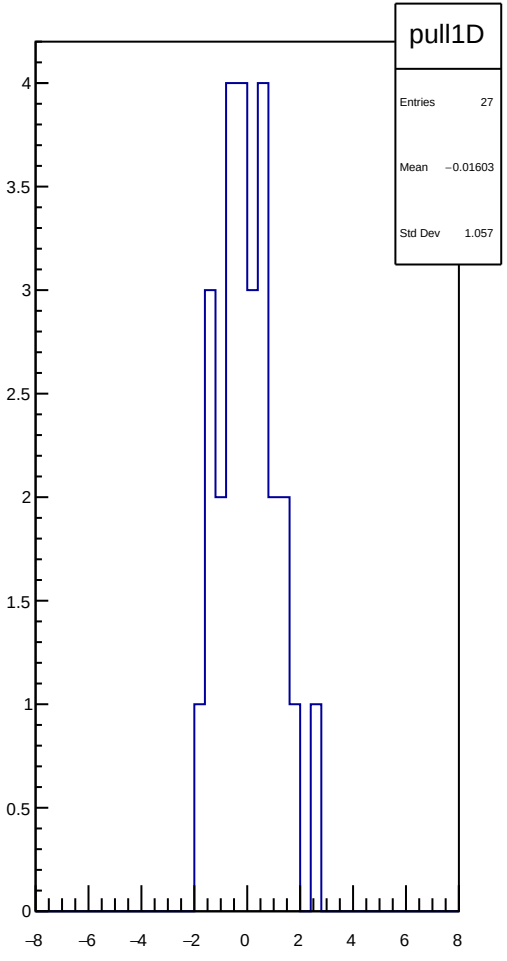

eigen_cor_asym_sam_37_48_dd_rms vs run
χ² / ndf 146 / 26
p0 76.26 ± 0.1061
82
81
80
79
78
77
76
75
74
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

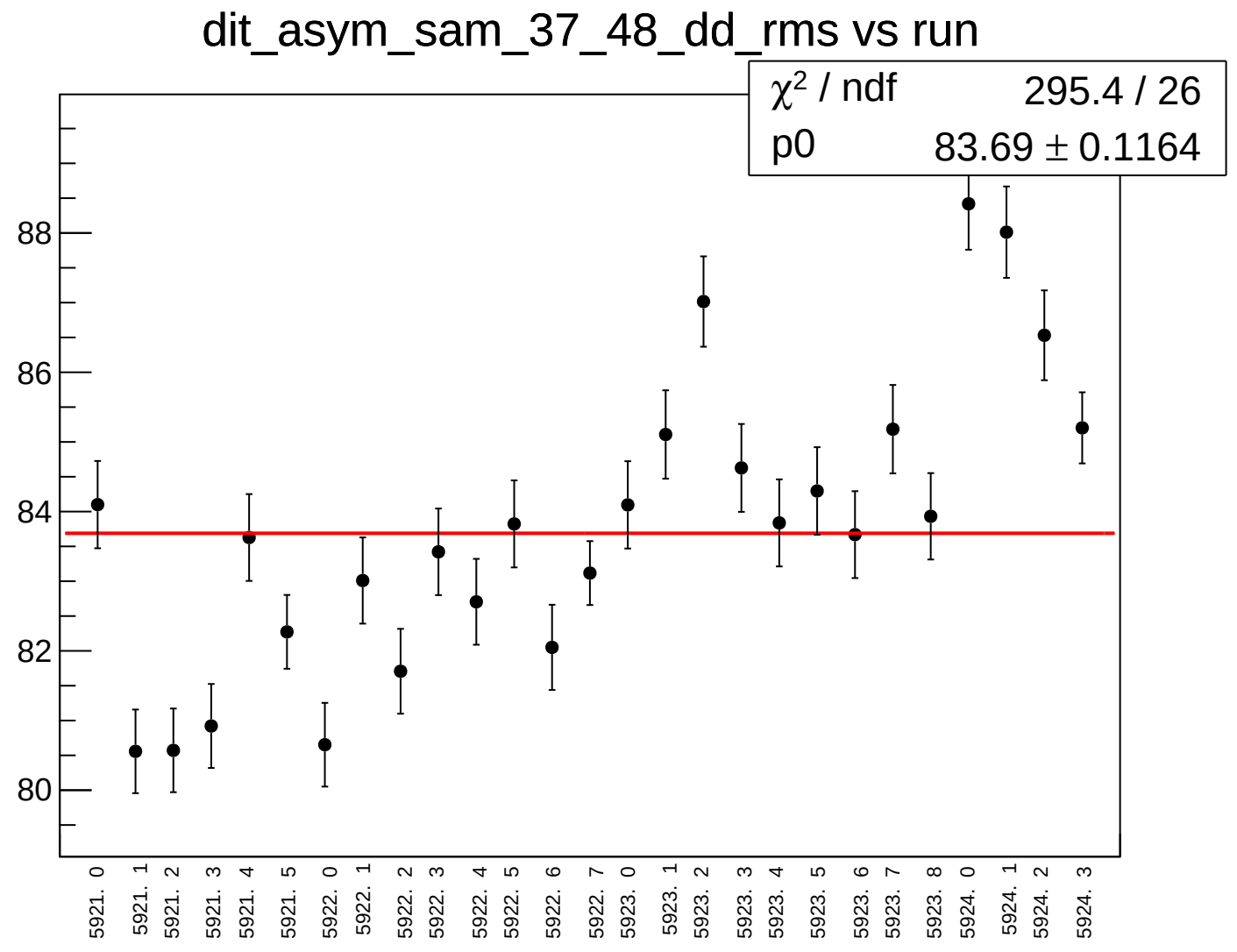

asym_sam_37_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 28.55 / 26
p0 −1810 ± 1552
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 30.95
Std Dev 0
2
1
0
−1
−2
−3

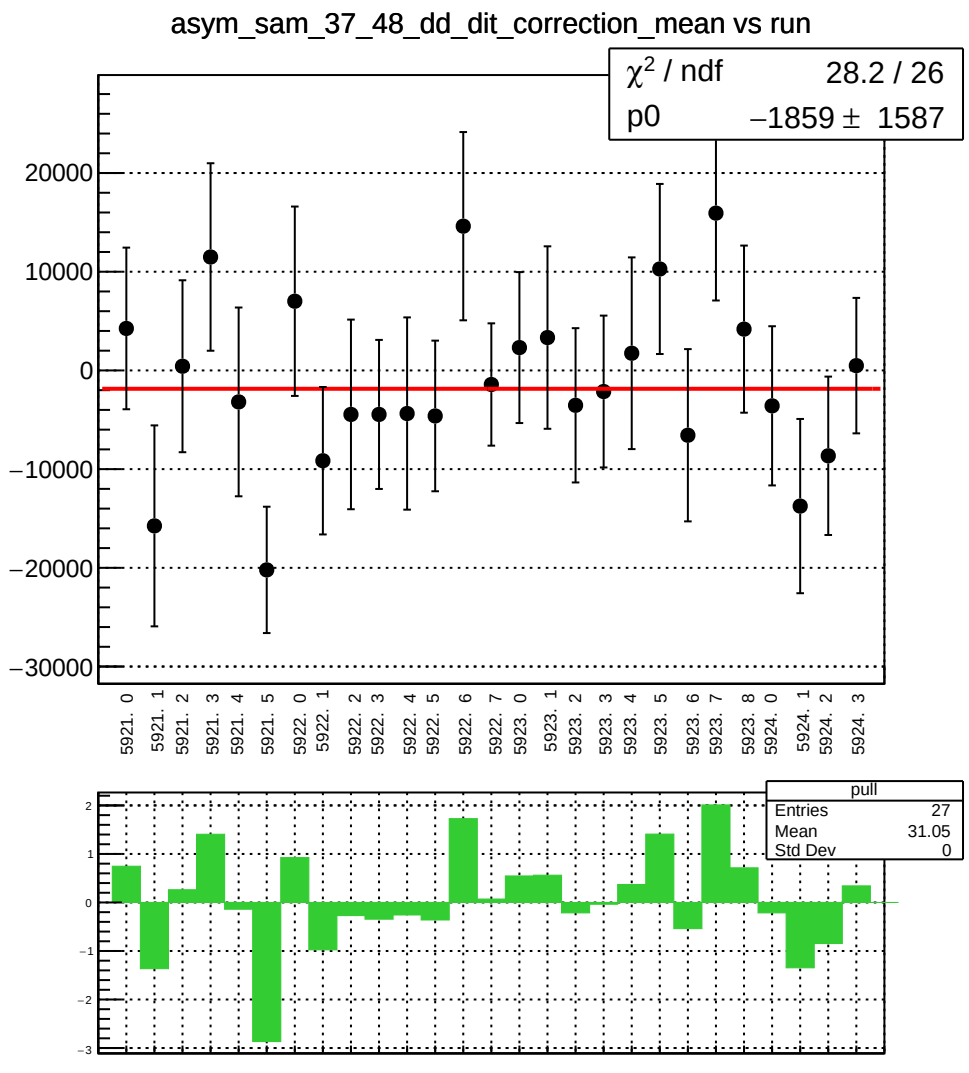

pull1D
Entries 27
Mean 0.04699
Std Dev 1.027
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

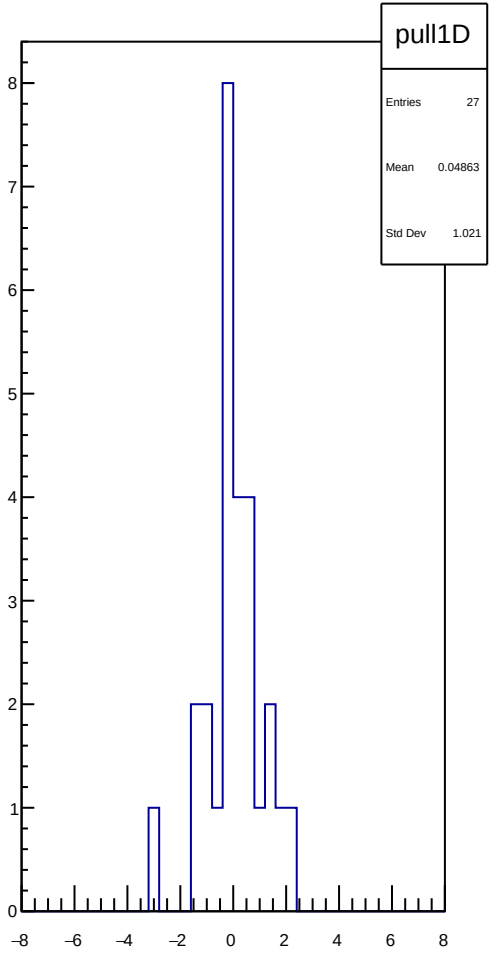

asym_sam_37_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 4795 / 26
p0 785.4 ± 1.097
950
900
850
800
750
700
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

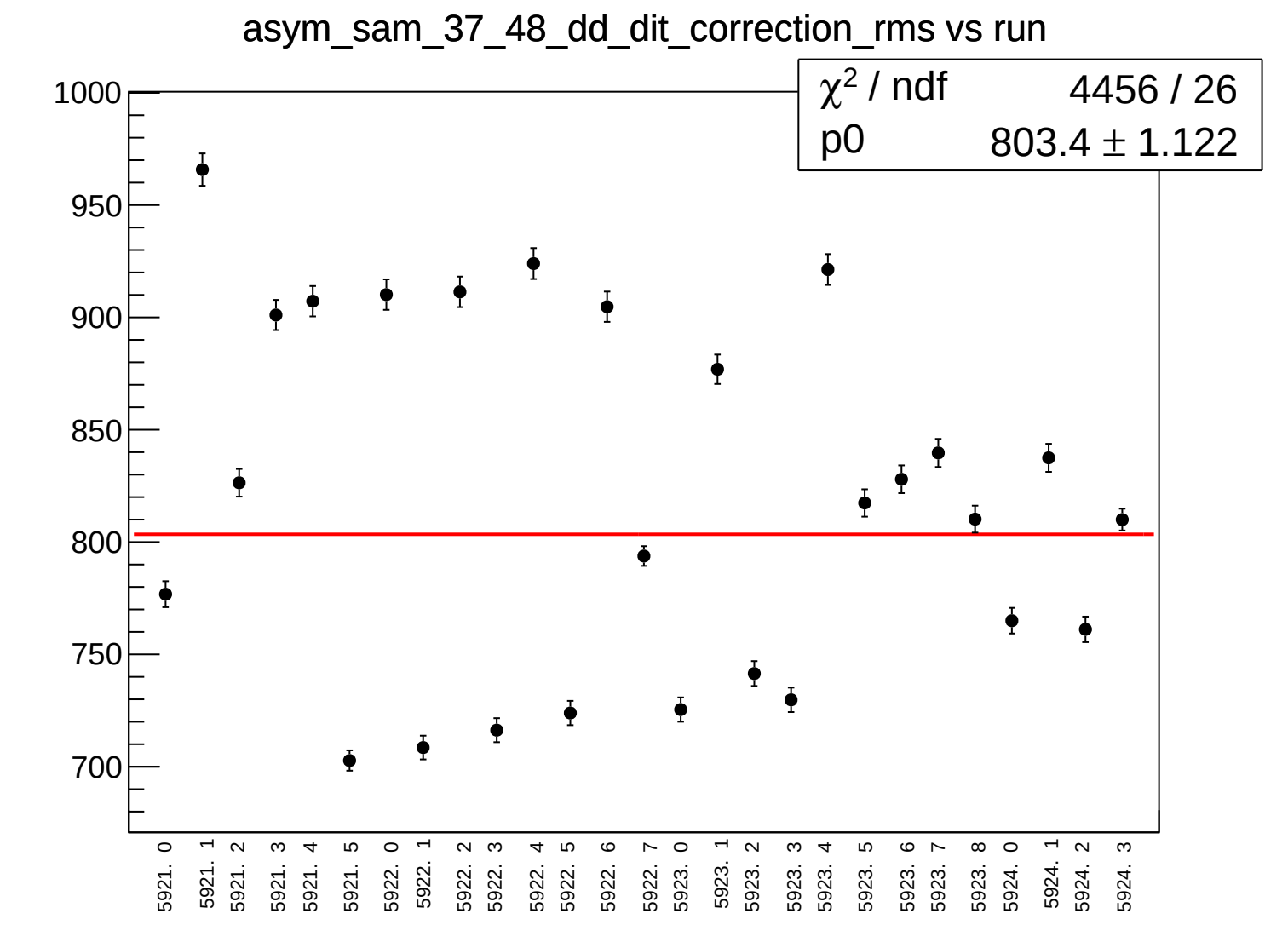

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 30.18 / 26
p0 59.09 ± 164.6
3000
2000
1000
0
−1000
−2000
−3000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 54.08
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

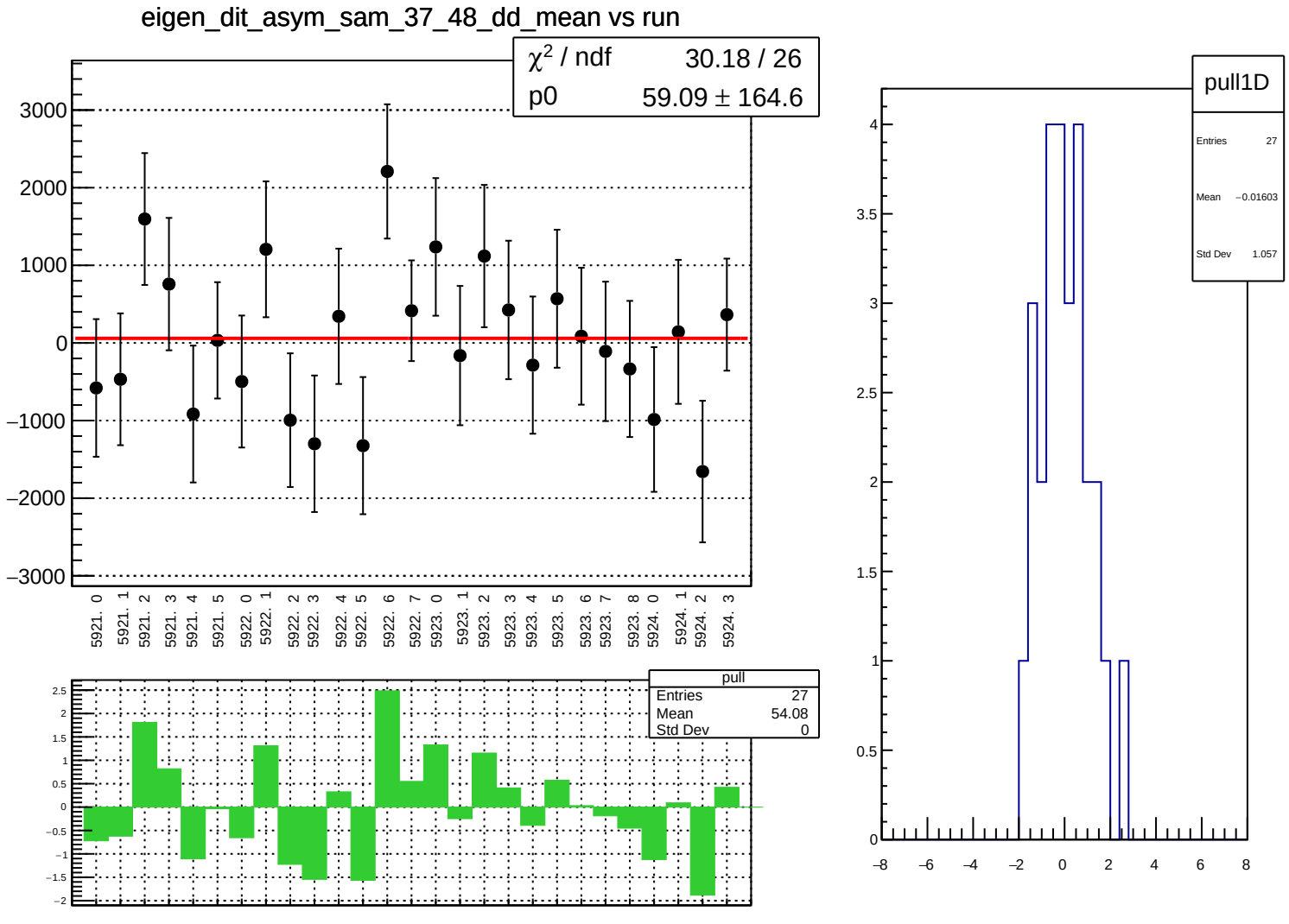

pull1D
Entries 27
Mean −0.01603
Std Dev 1.057
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

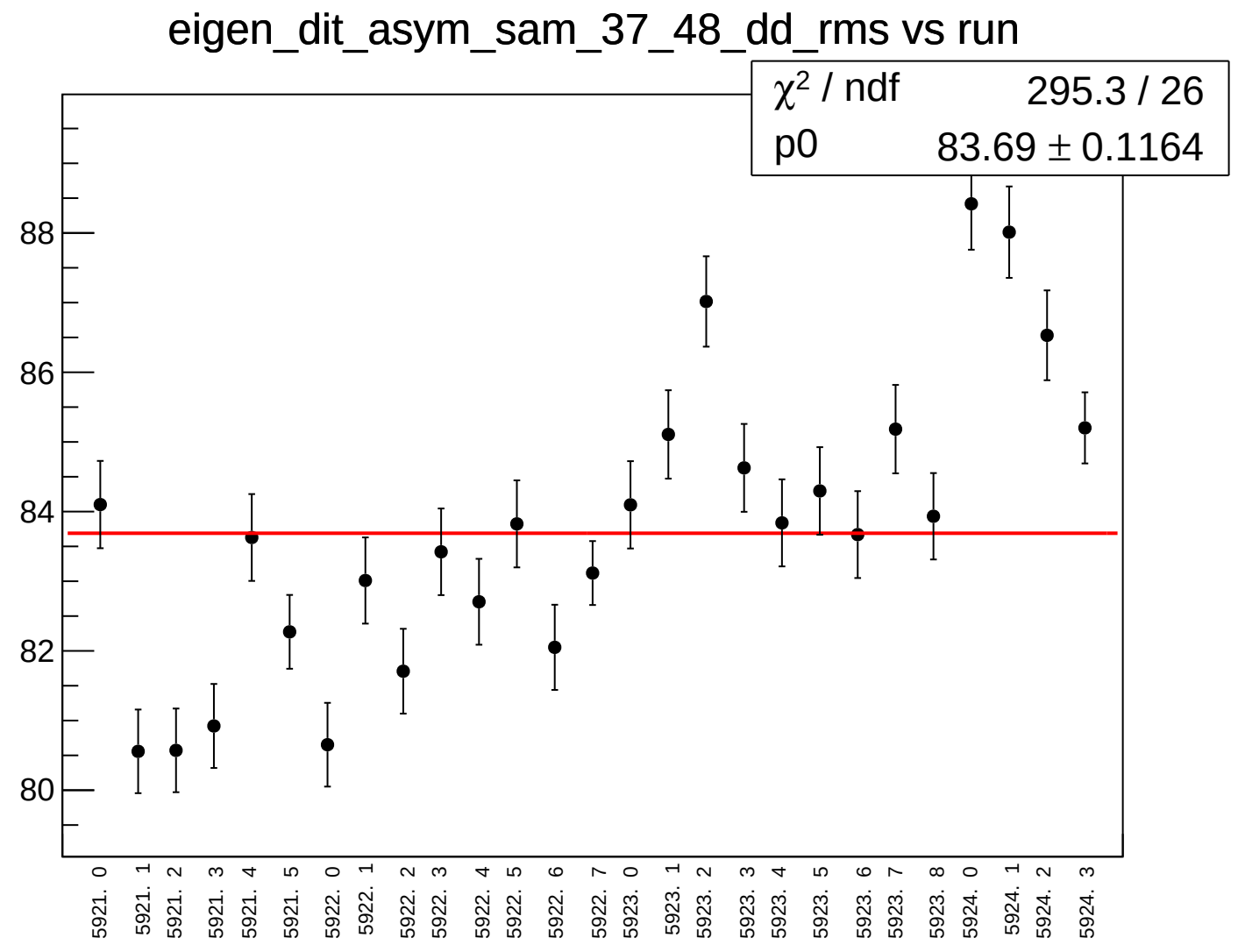

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 295.4 / 26
p0 83.69 ± 0.1164
88
86
84
82
80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

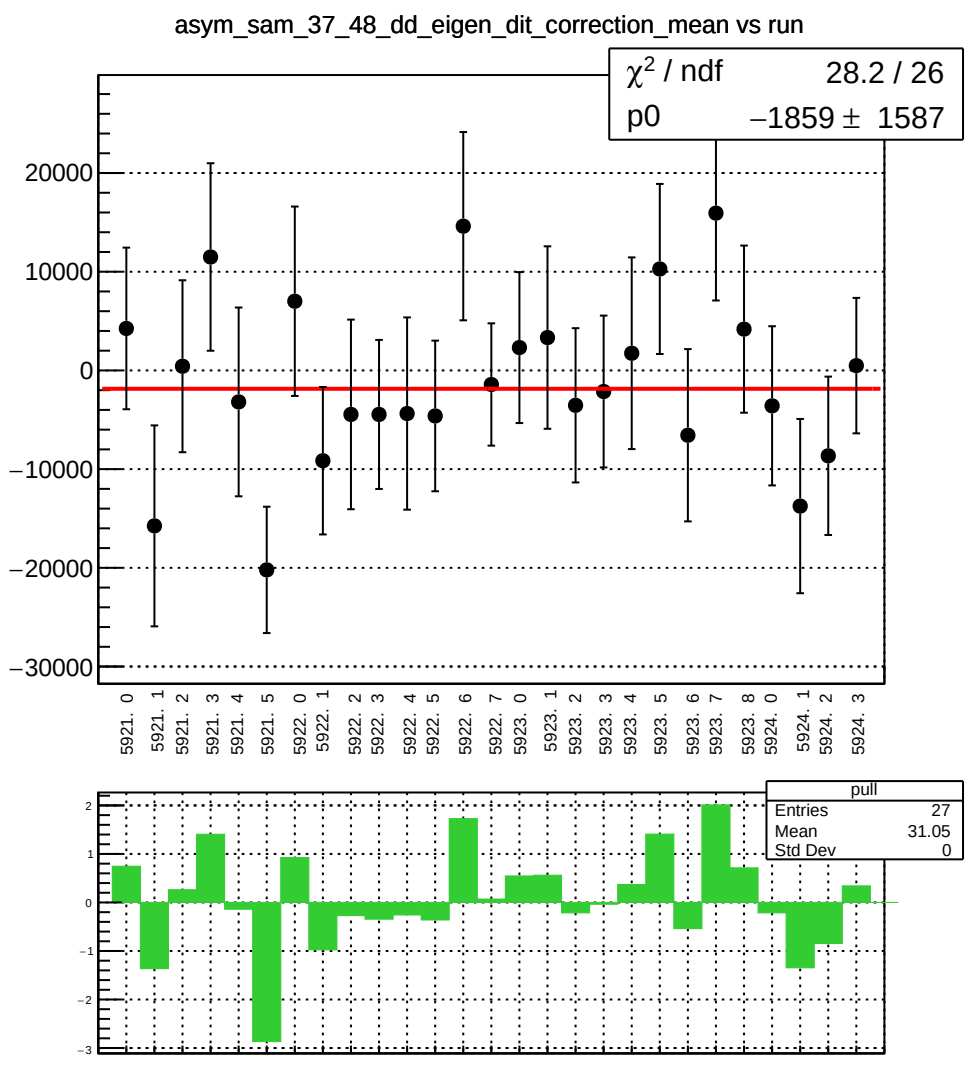

asym_sam_37_48_dd_dit_correction_mean vs run
χ² / ndf 28.2 / 26
p0 −1859 ± 1587
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 31.05
Std Dev 0
2
1
0
−1
−2
−3

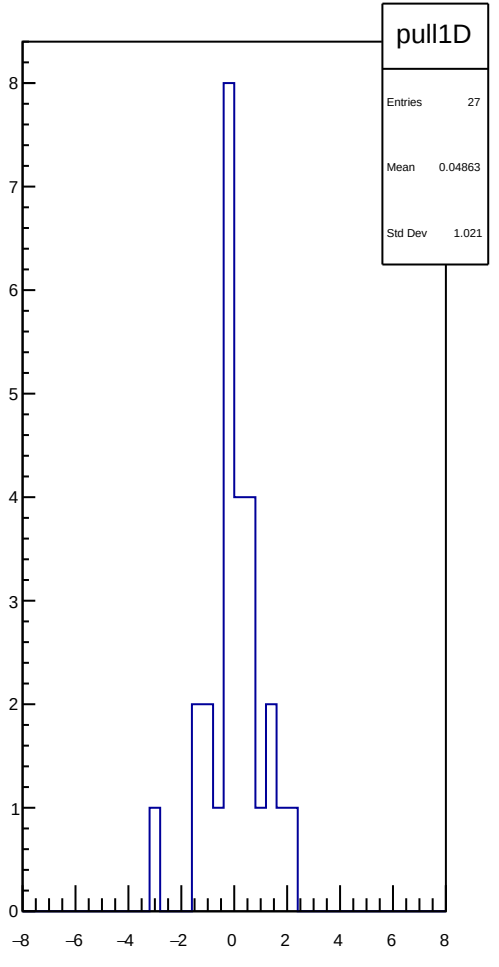

pull1D
Entries 27
Mean 0.04863
Std Dev 1.021
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

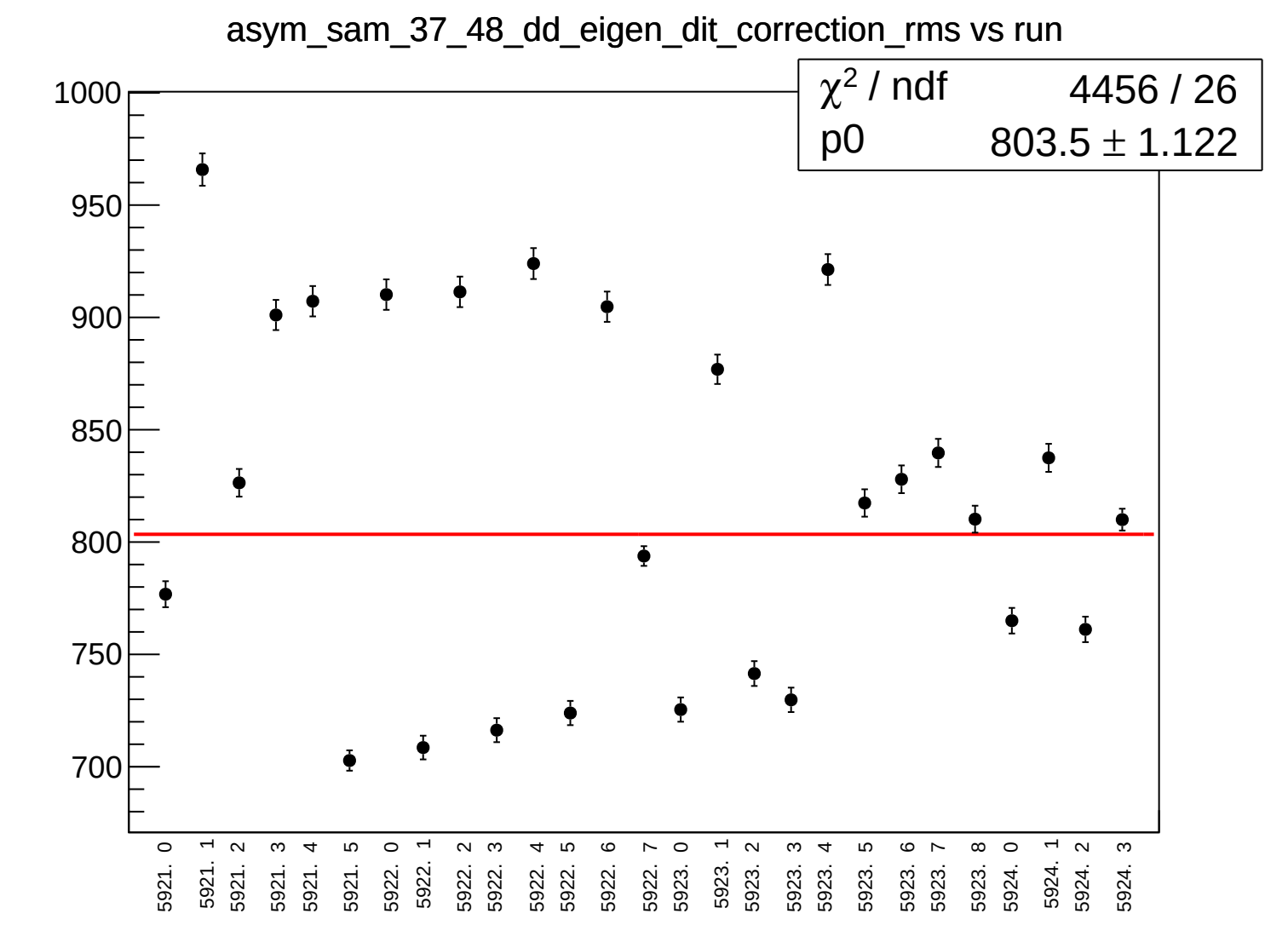

asym_sam_37_48_dd_dit_correction_rms vs run
χ² / ndf 4456 / 26
p0 803.4 ± 1.122
1000
950
900
850
800
750
700
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

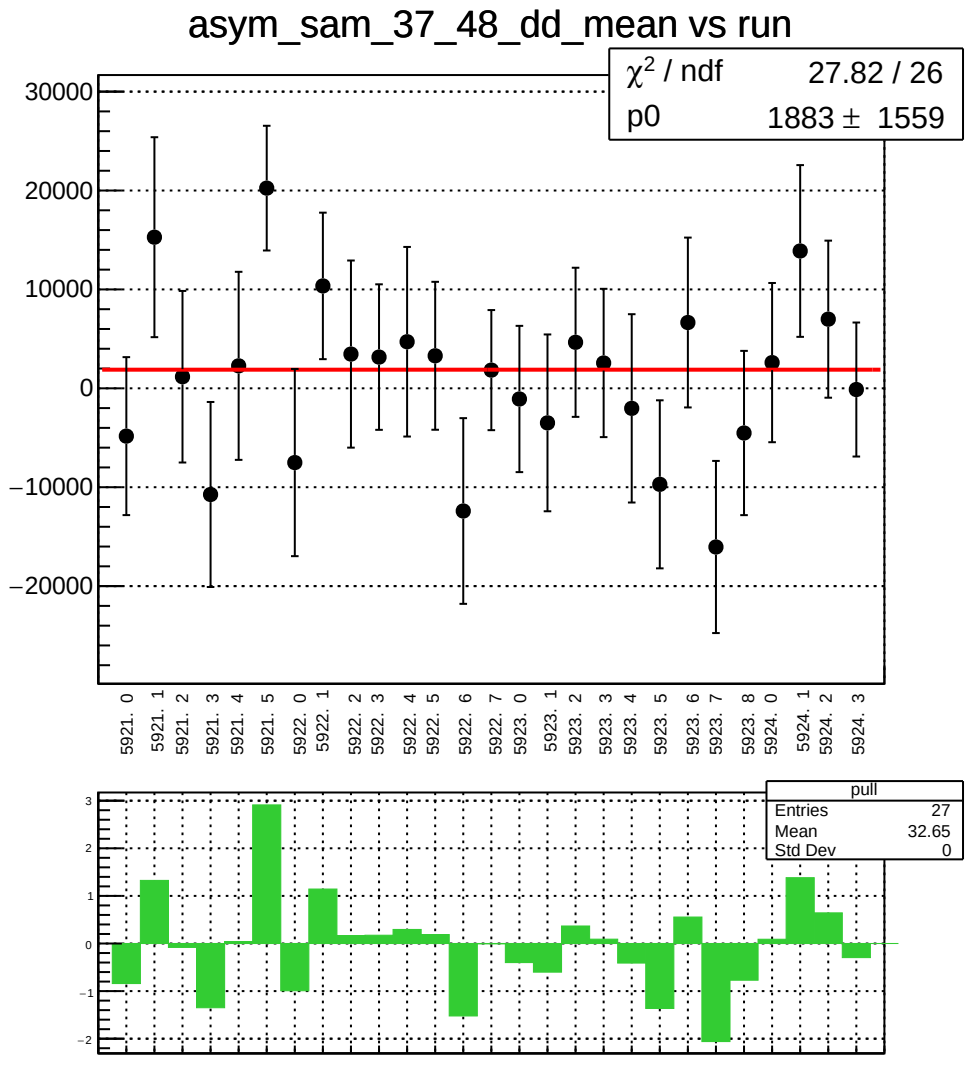

eigen_dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 30.18 / 26
p0 59.09 ± 164.6
3000
2000
1000
0
−1000
−2000
−3000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 54.08
Std Dev 0
pull1D
Entries 27
Mean −0.01603
Std Dev 1.057

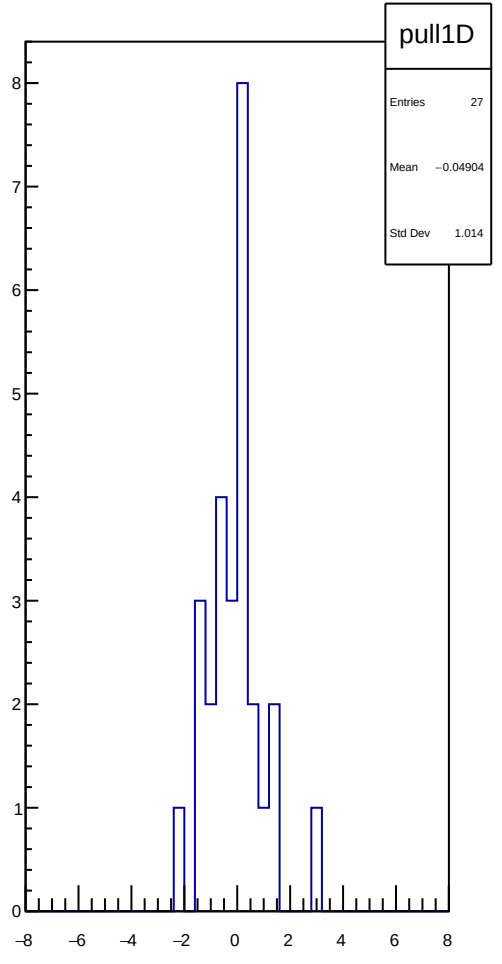

eigen_dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 295.3 / 26
p0 83.69 ± 0.1164
88
86
84
82
80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

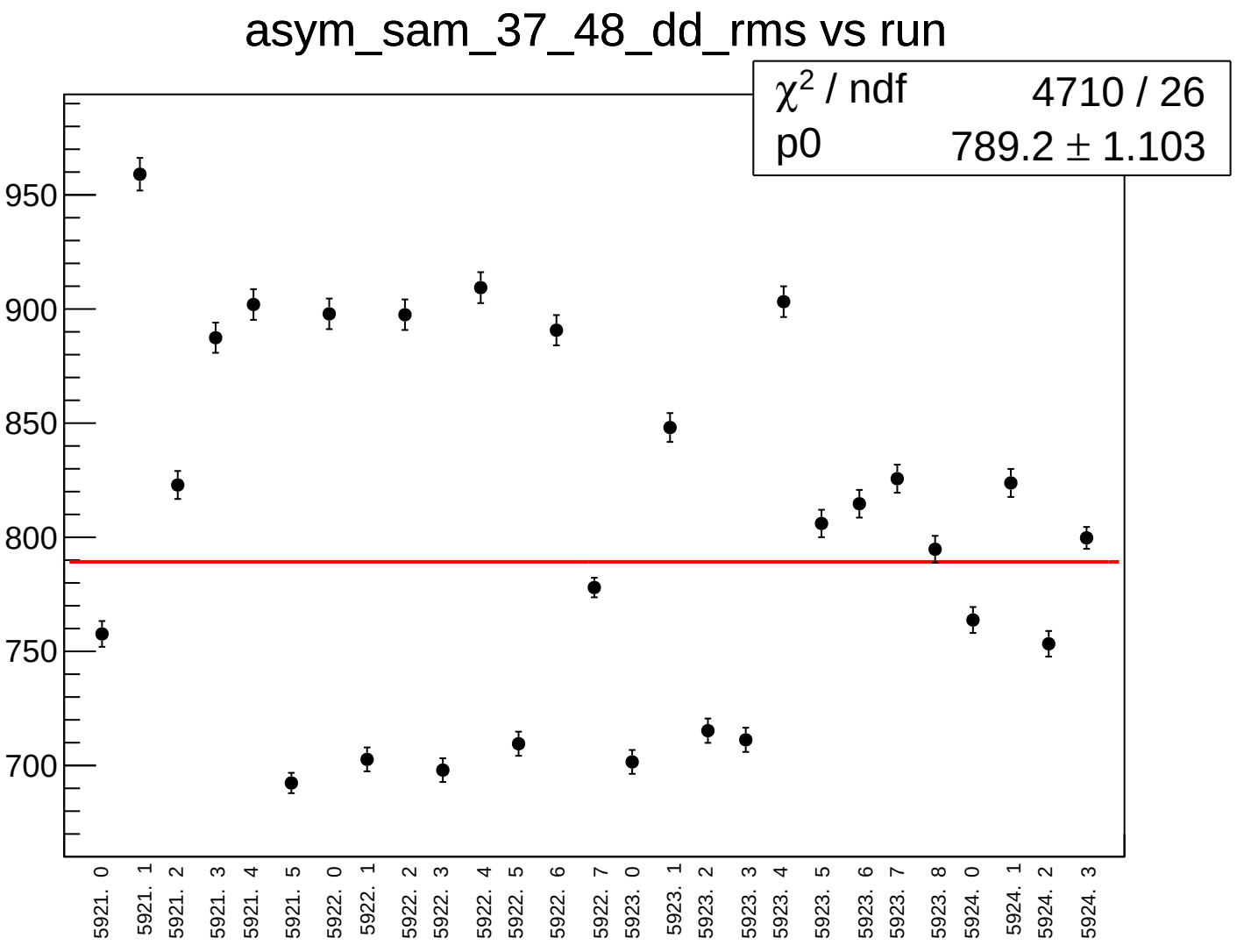

asym_sam_37_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 28.2 / 26
p0 −1859 ± 1587
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 31.05
Std Dev 0
2
1
0
−1
−2
−3

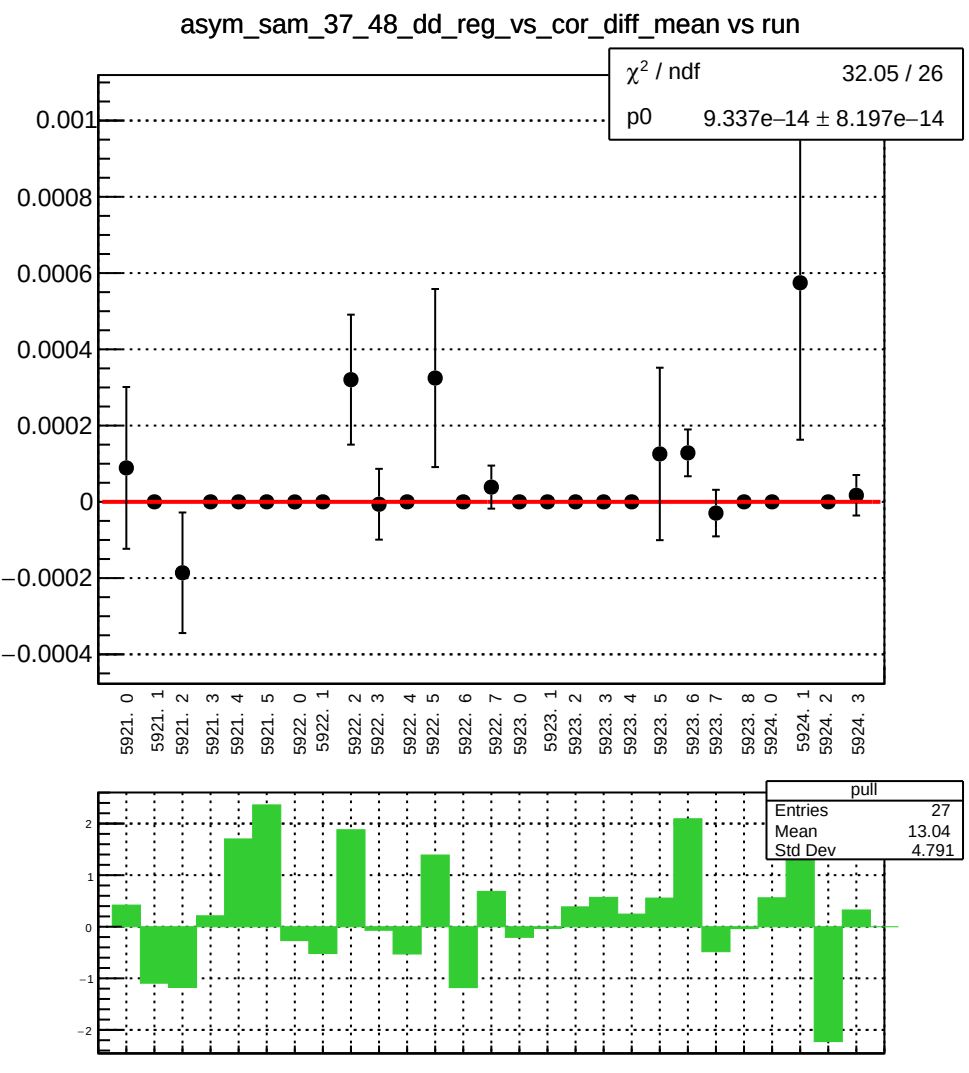

pull1D
Entries 27
Mean 0.04863
Std Dev 1.021
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

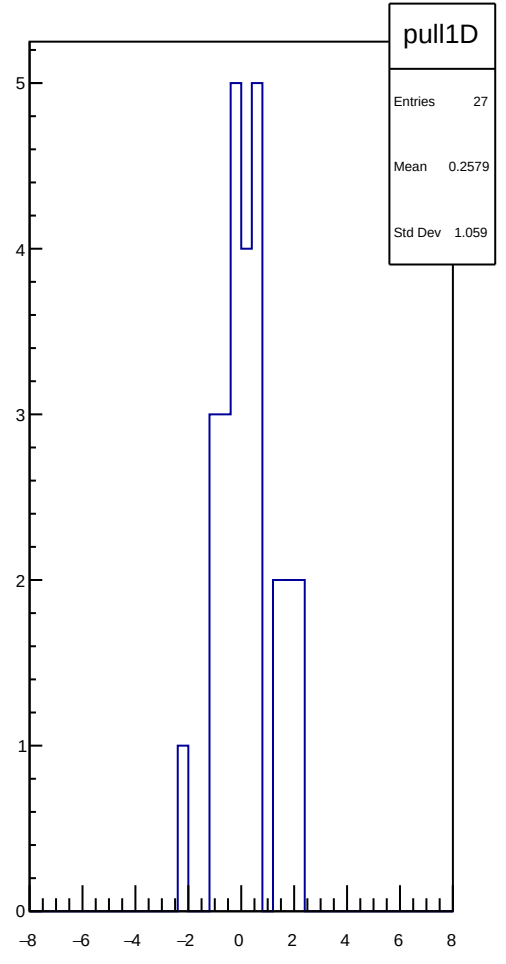

asym_sam_37_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 4456 / 26
p0 803.5 ± 1.122
1000
950
900
850
800
750
700
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

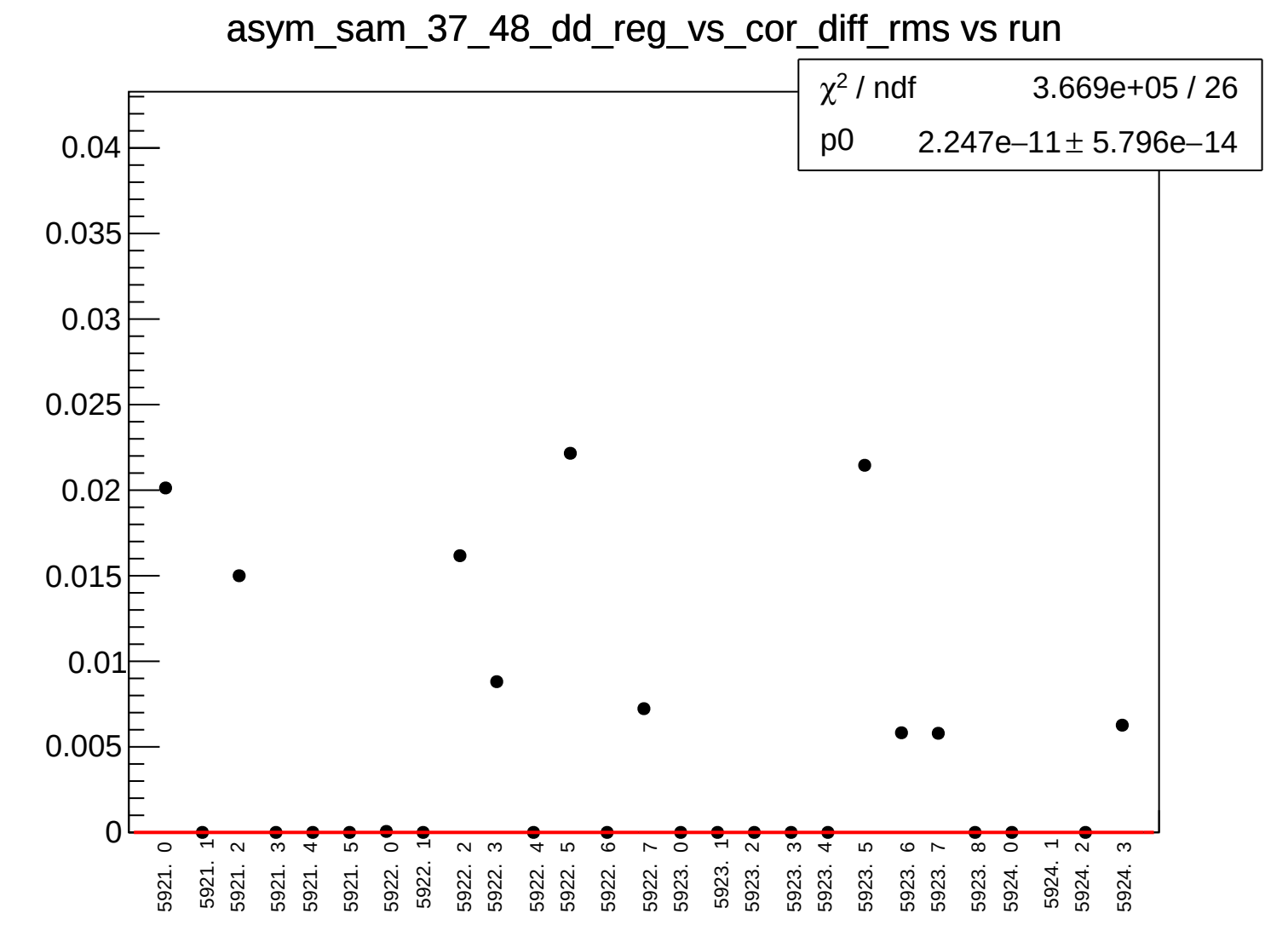

asym_sam_37_48_dd_mean vs run
χ² / ndf 27.82 / 26
p0 1883 ± 1559
30000
20000
10000
0
−10000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 32.65
Std Dev 0
3
2
1
0
−1
−2

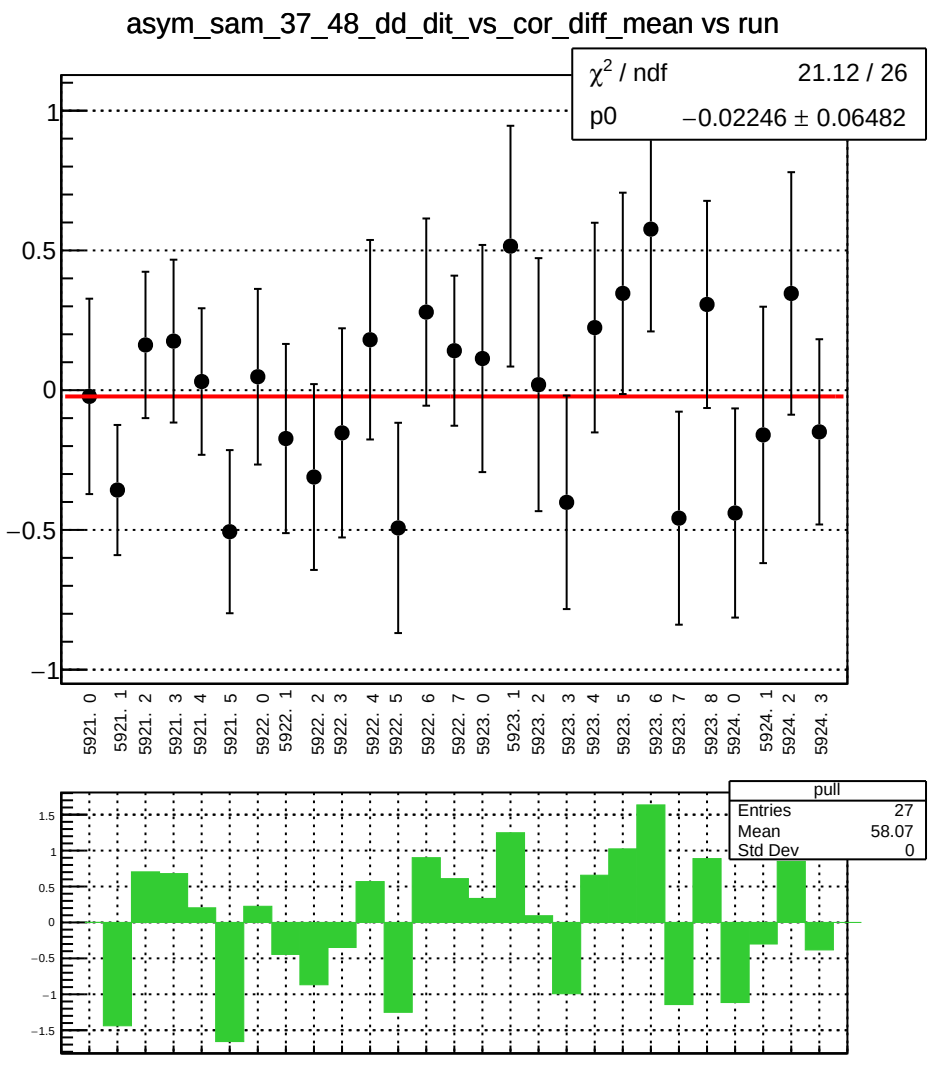

pull1D
Entries 27
Mean −0.04904
Std Dev 1.014
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

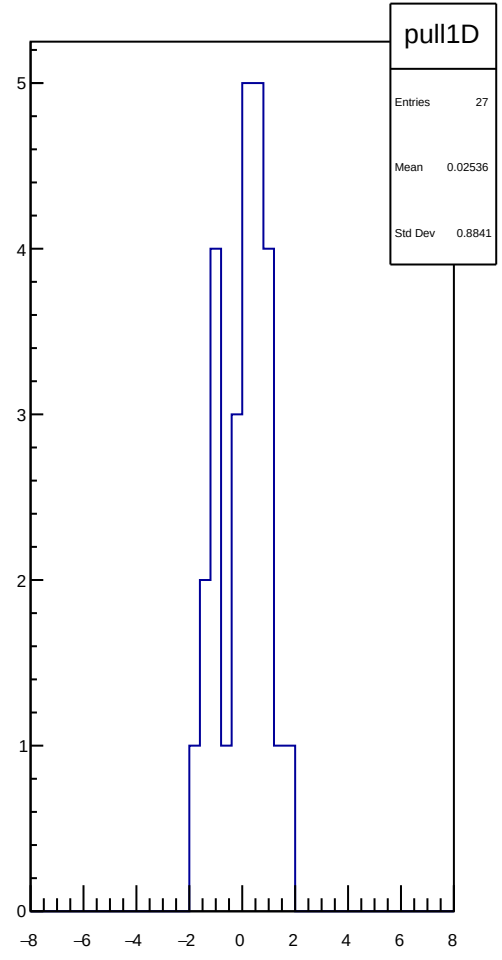

asym_sam_37_48_dd_rms vs run
χ² / ndf 4710 / 26
p0 789.2 ± 1.103
950
900
850
800
750
700
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

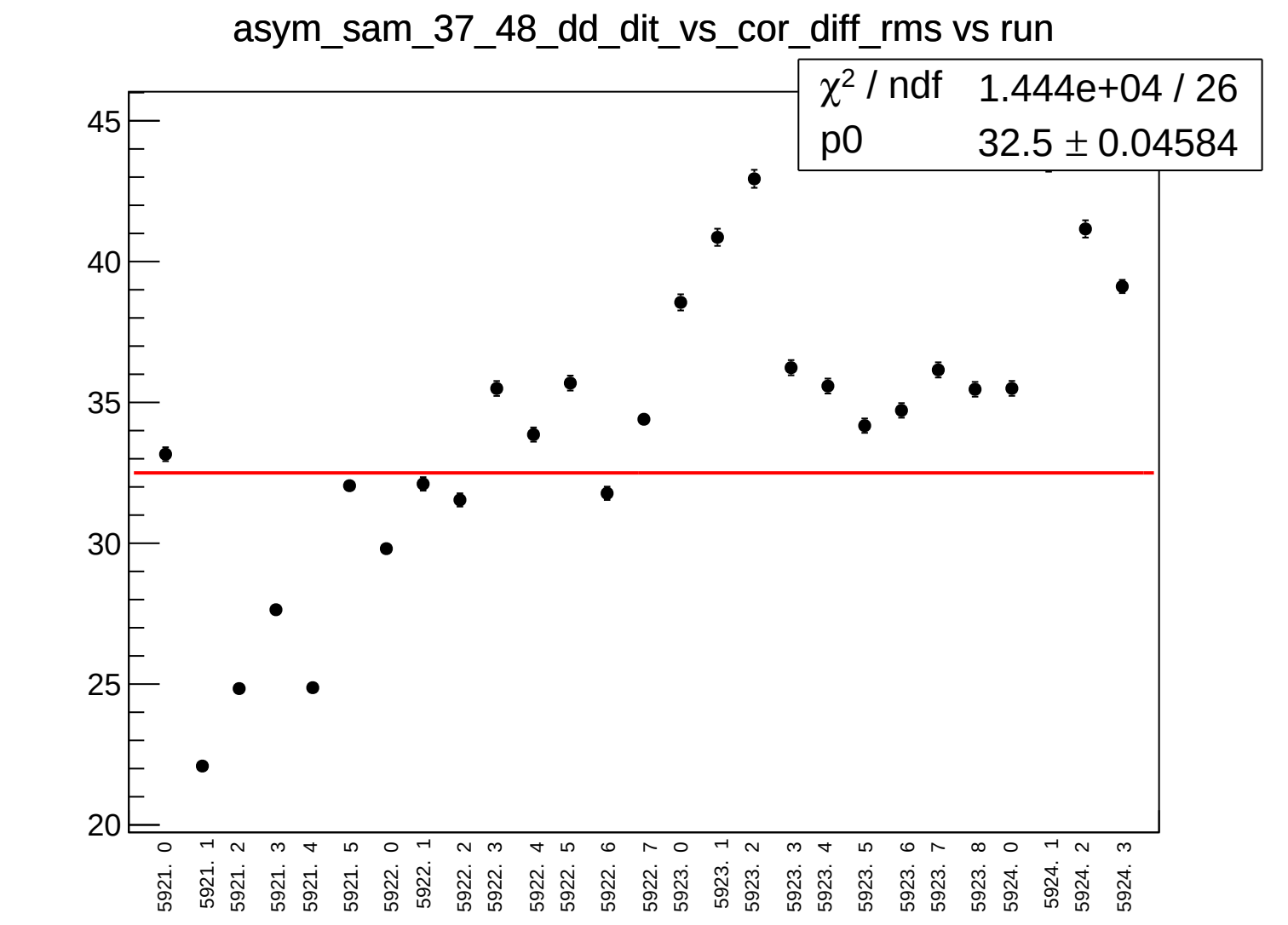

asym_sam_37_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 32.05 / 26
p0 9.337e−14 ± 8.197e−14
0.001
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 13.04
Std Dev 4.791
2
1
0
−1
−2

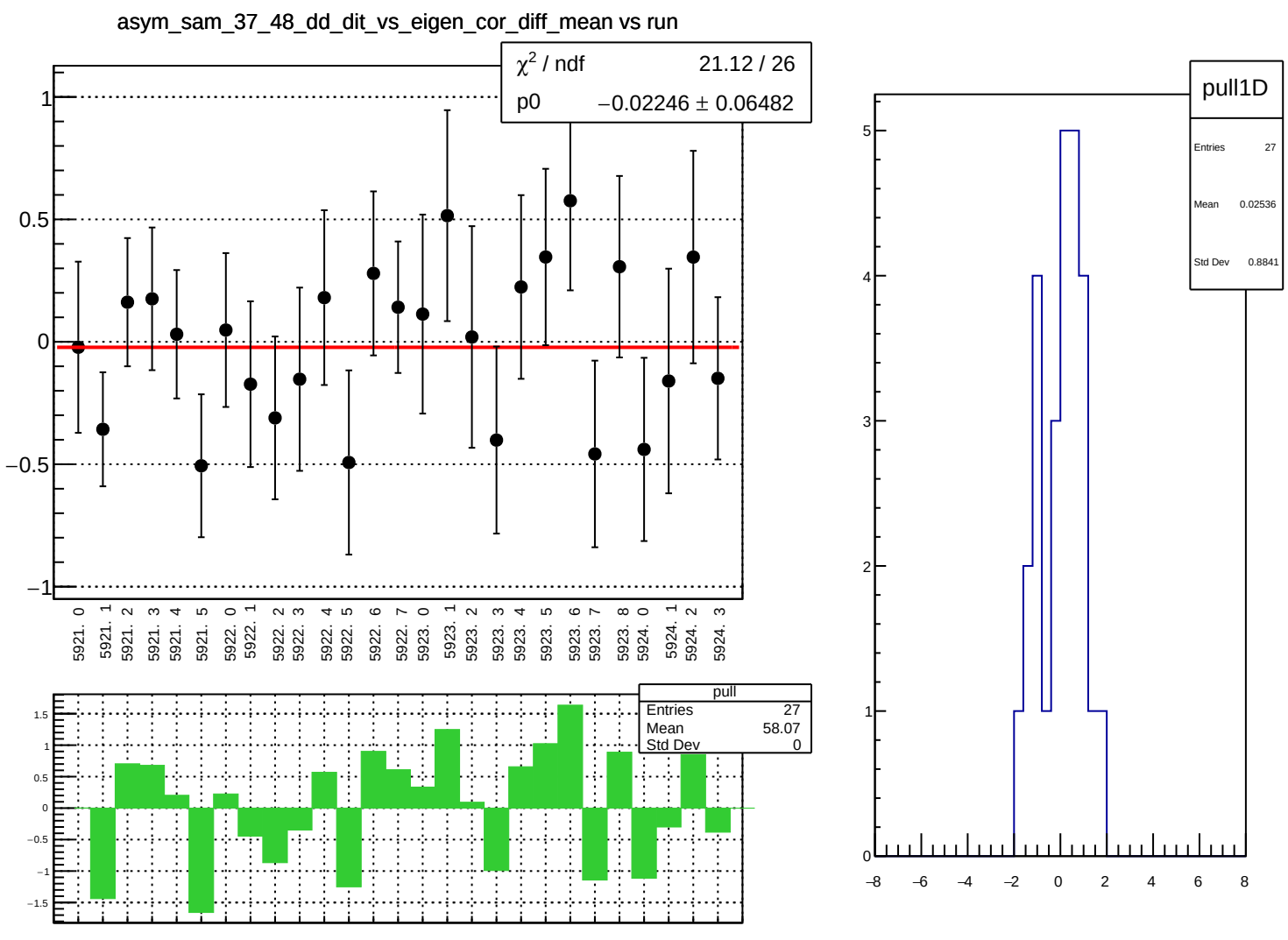

pull1D
Entries 27
Mean 0.2579
Std Dev 1.059
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

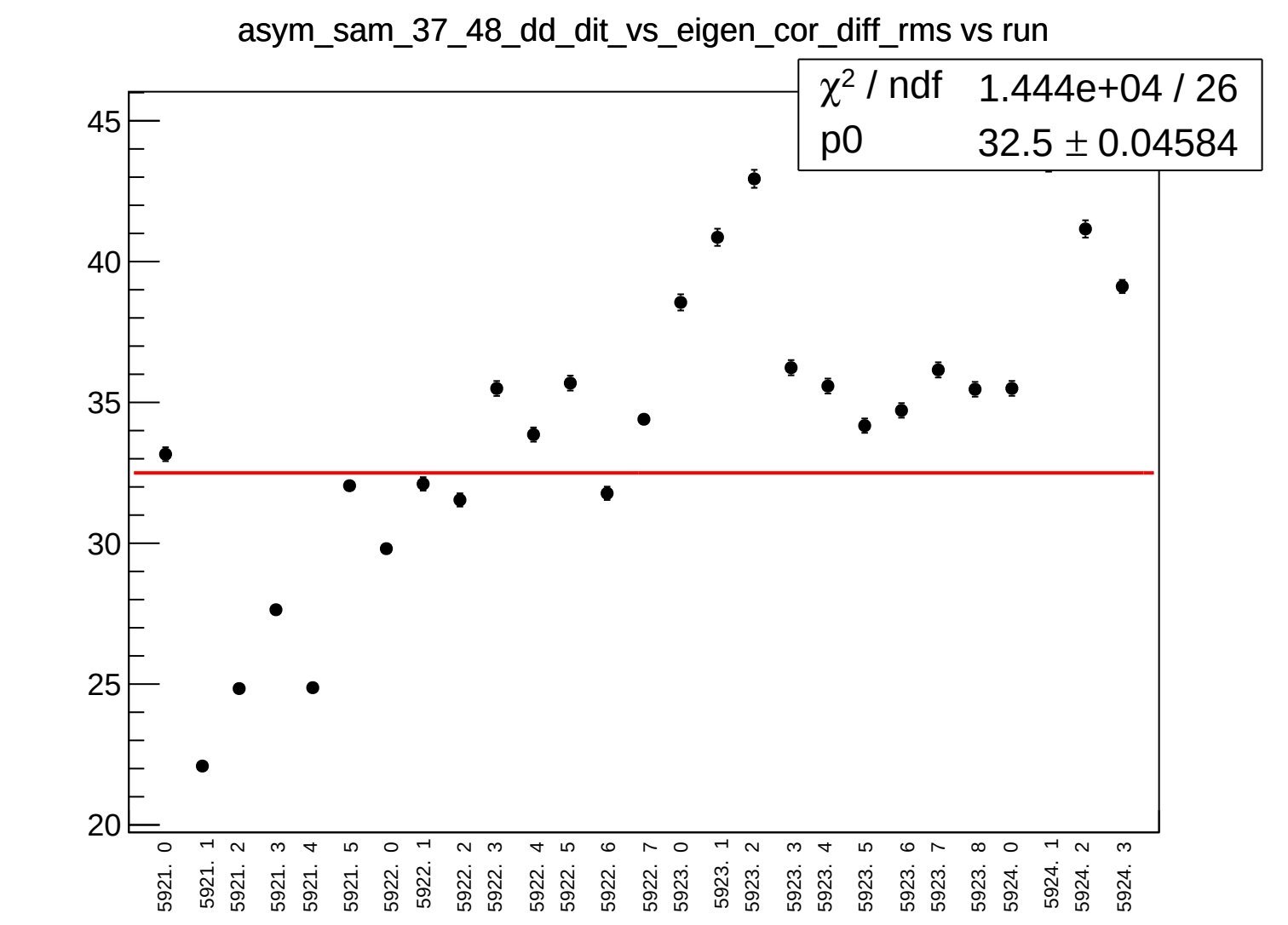

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.669e+05 / 26
p0 2.247e−11 ± 5.796e−14
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

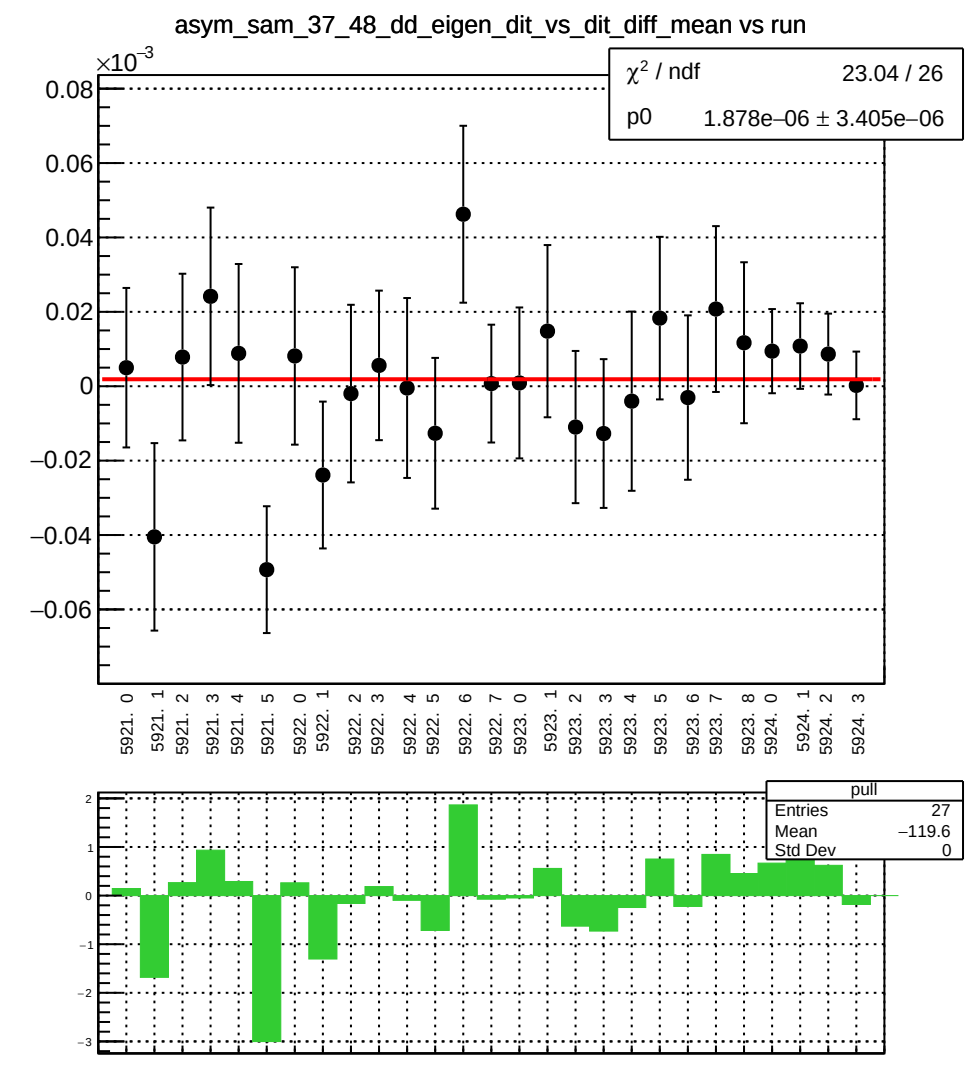

asym_sam_37_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 21.12 / 26
p0 −0.02246 ± 0.06482
1
0.5
0
−0.5
−1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 58.07
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

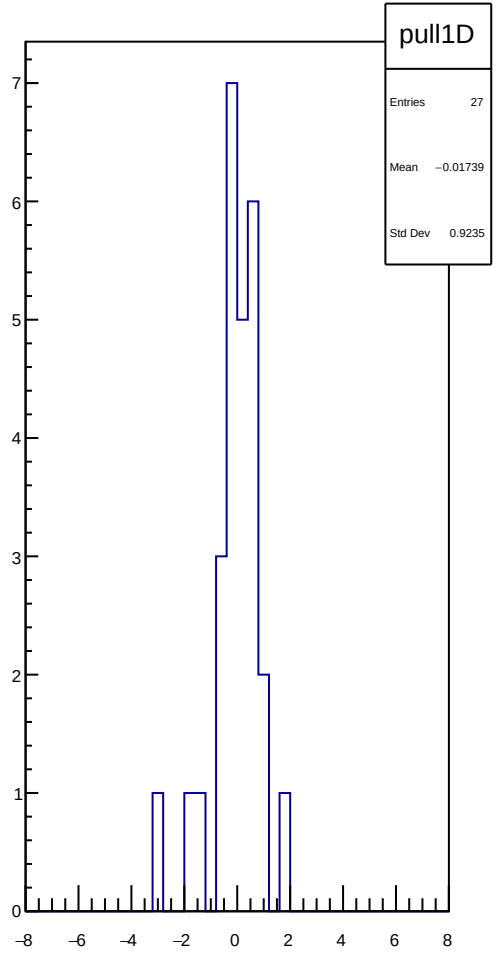

pull1D
Entries 27
Mean 0.02536
Std Dev 0.8841
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

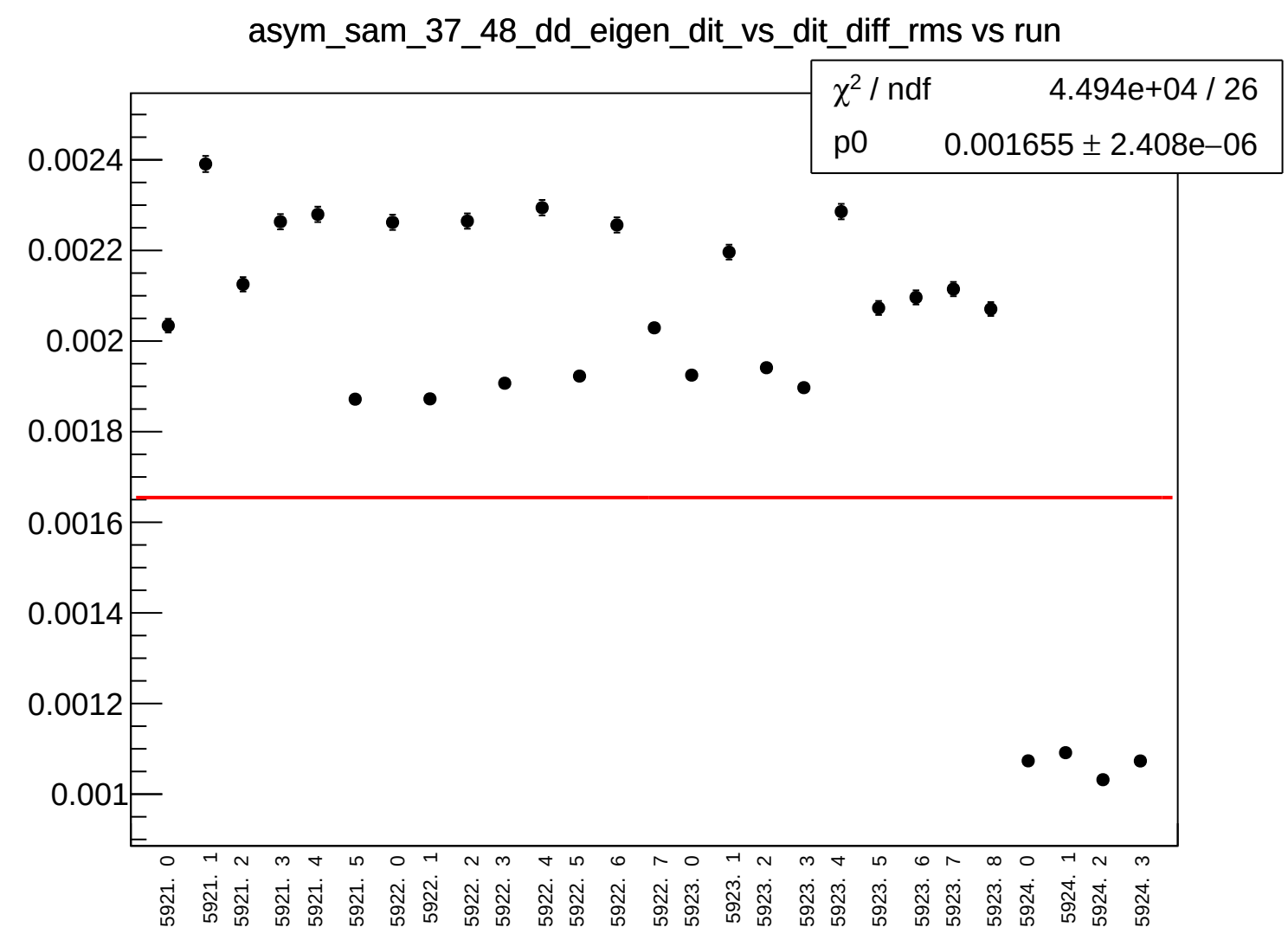

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.444e+04 / 26
p0 32.5 ± 0.04584
45
40
35
30
25
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

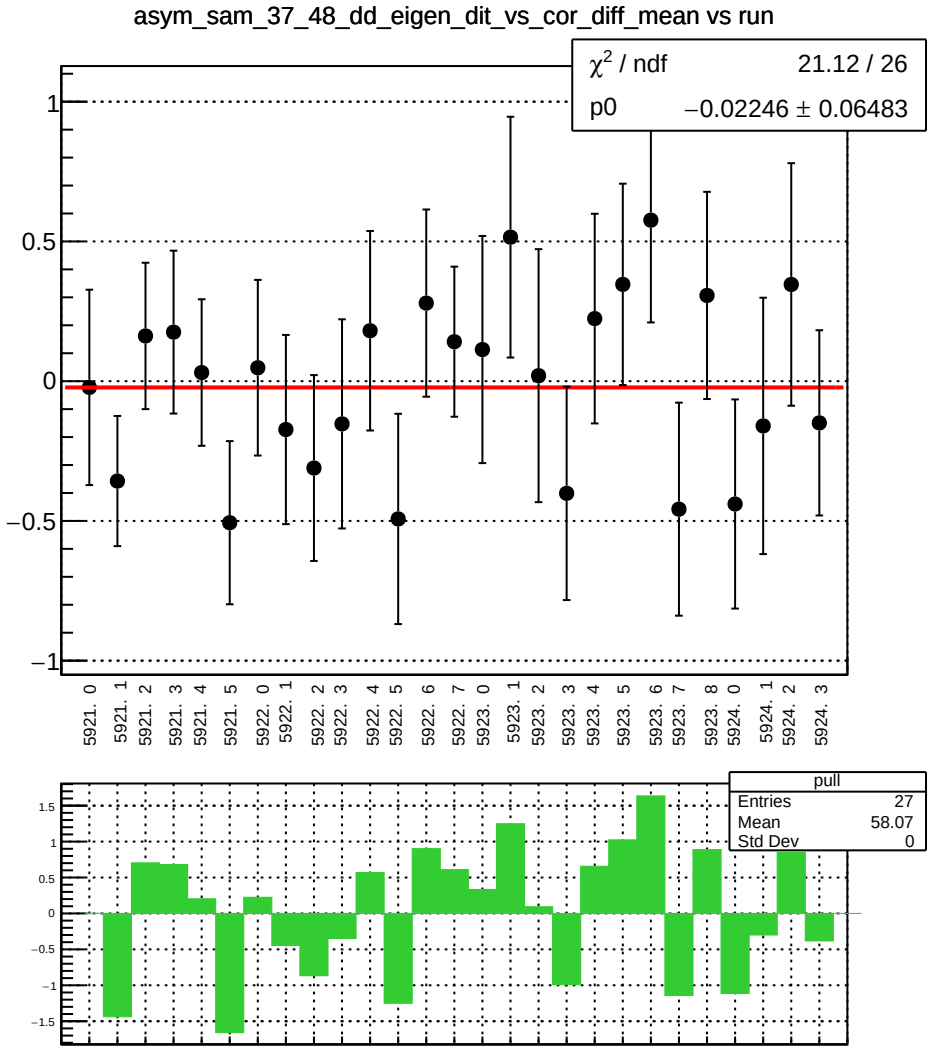

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 21.12 / 26
p0 −0.02246 ± 0.06482
1
0.5
0
−0.5
−1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 58.07
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.02536
Std Dev 0.8841
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

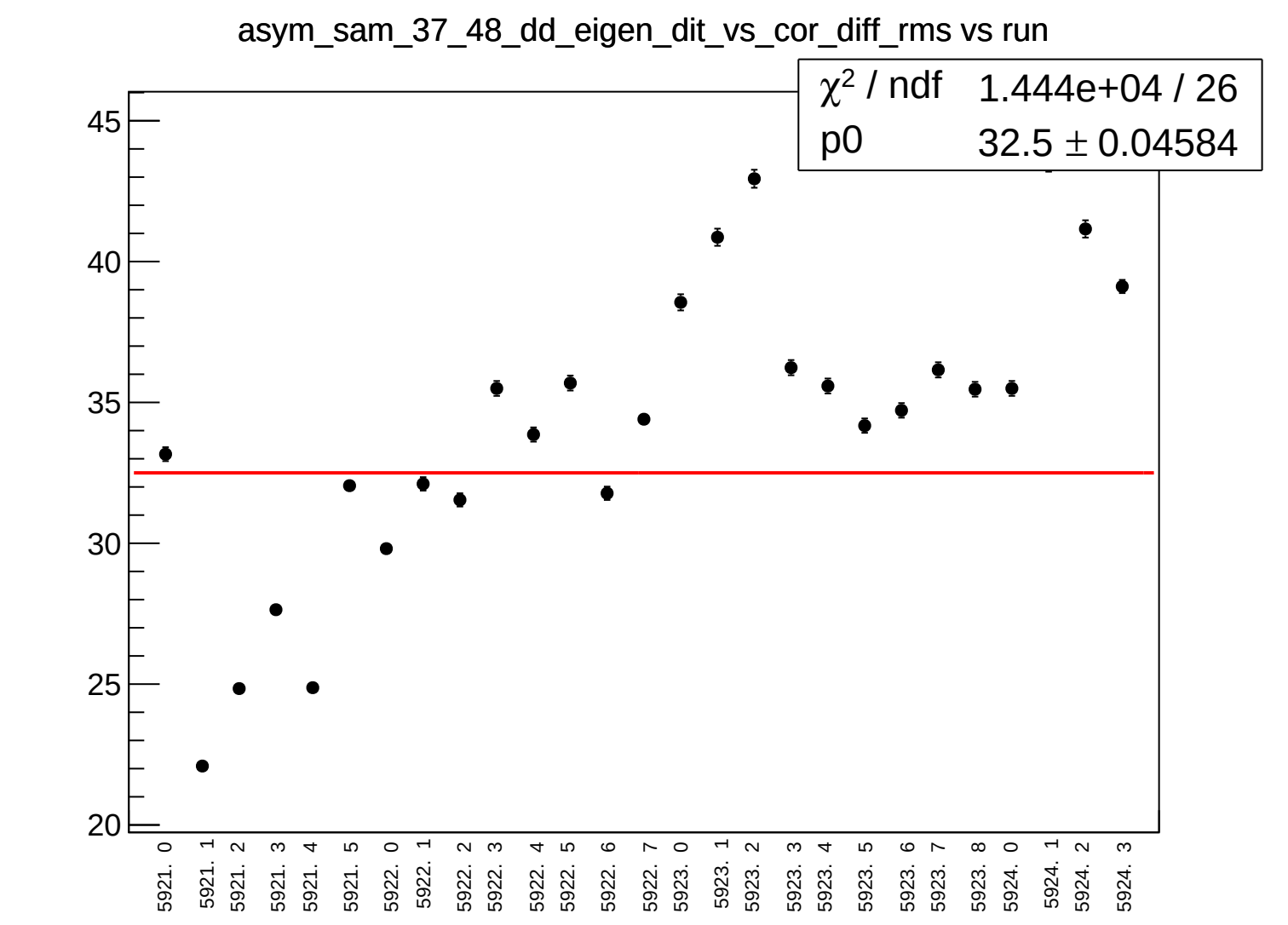

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.444e+04 / 26
p0 32.5 ± 0.04584
45
40
35
30
25
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


asym_sam_37_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 23.04 / 26
p0 1.878e−06 ± 3.405e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −119.6
Std Dev 0
2
1
0
−1
−2
−3

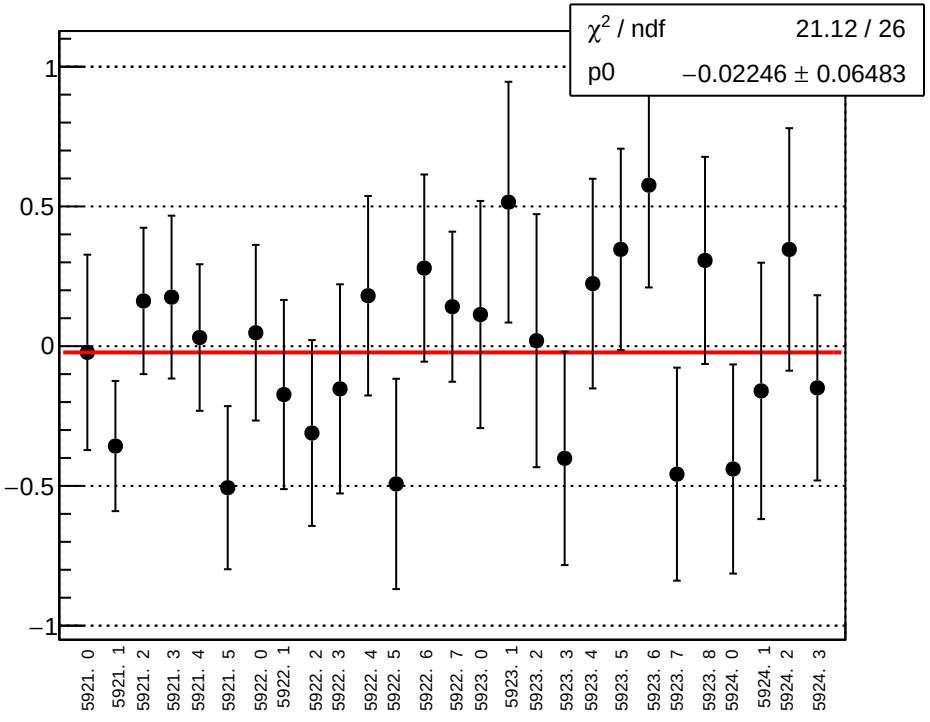

pull1D
Entries 27
Mean −0.01739
Std Dev 0.9235
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

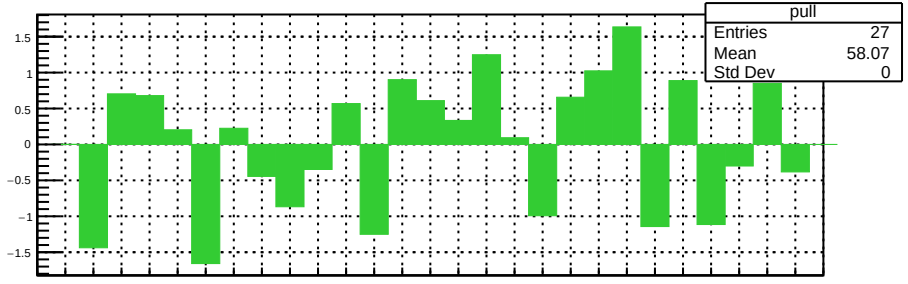

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.494e+04 / 26
p0 0.001655 ± 2.408e−06
0.0024
0.0022
0.002
0.0018
0.0016
0.0014
0.0012
0.001
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

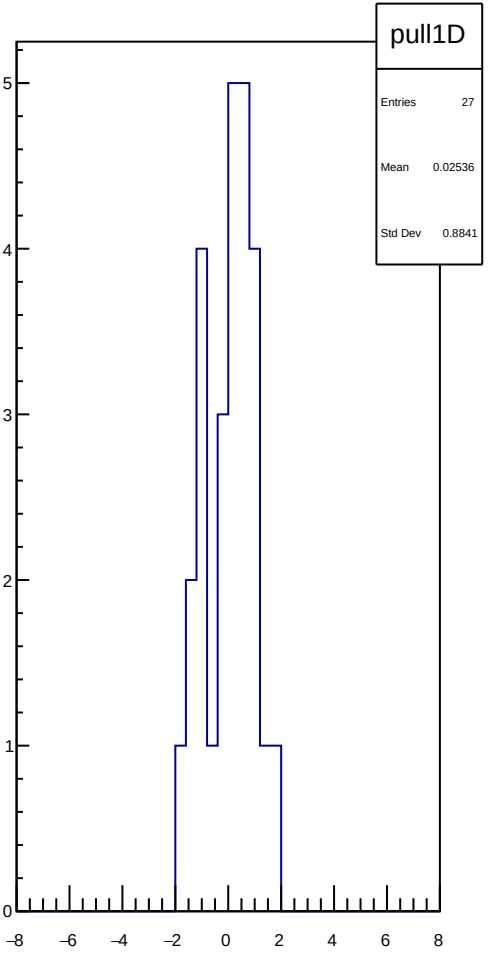

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 21.12 / 26
p0 −0.02246 ± 0.06483
1
0.5
0
−0.5
−1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 58.07
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.02536
Std Dev 0.8841
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

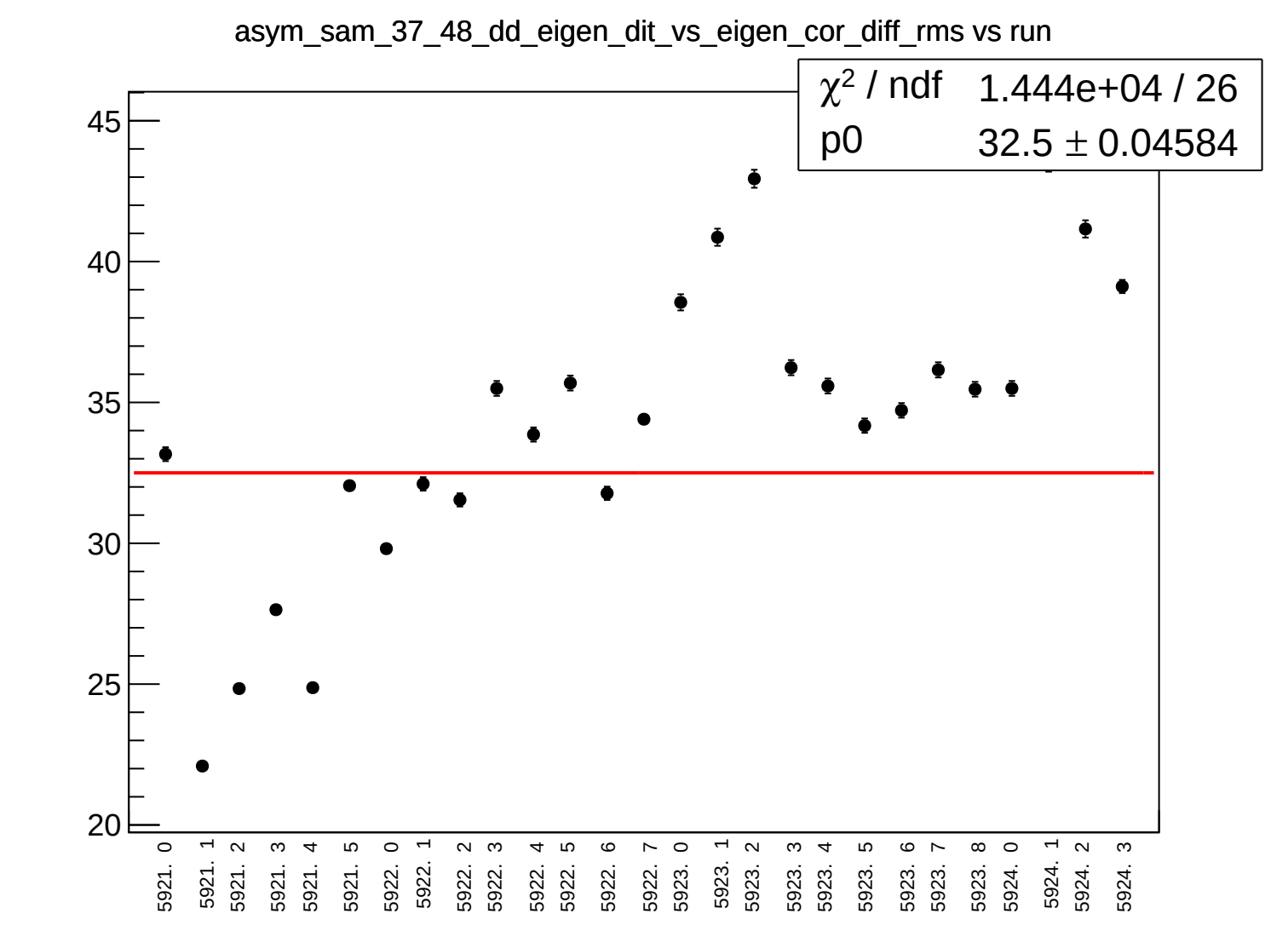

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.444e+04 / 26
p0 32.5 ± 0.04584
45
40
35
30
25
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

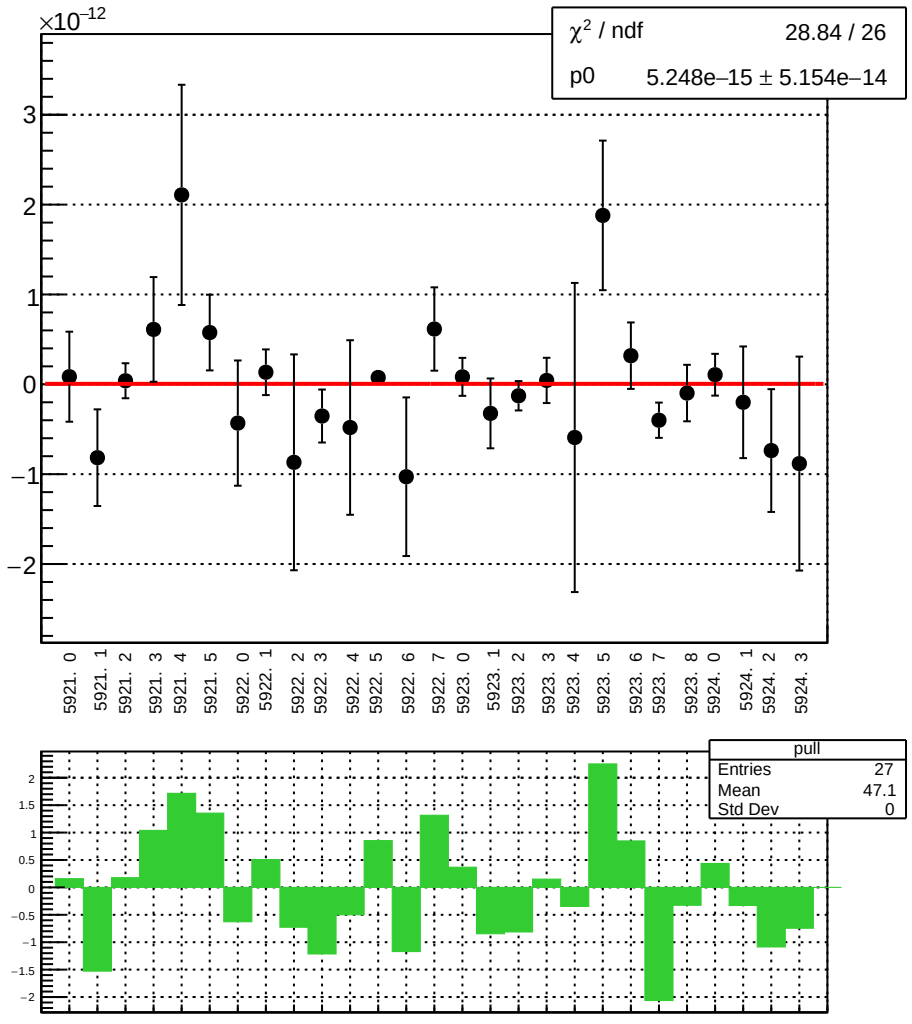
asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

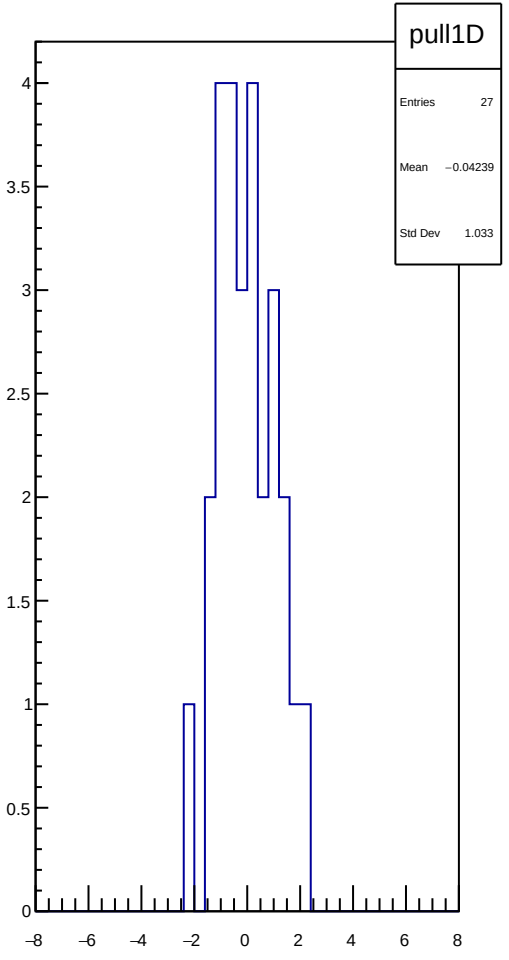


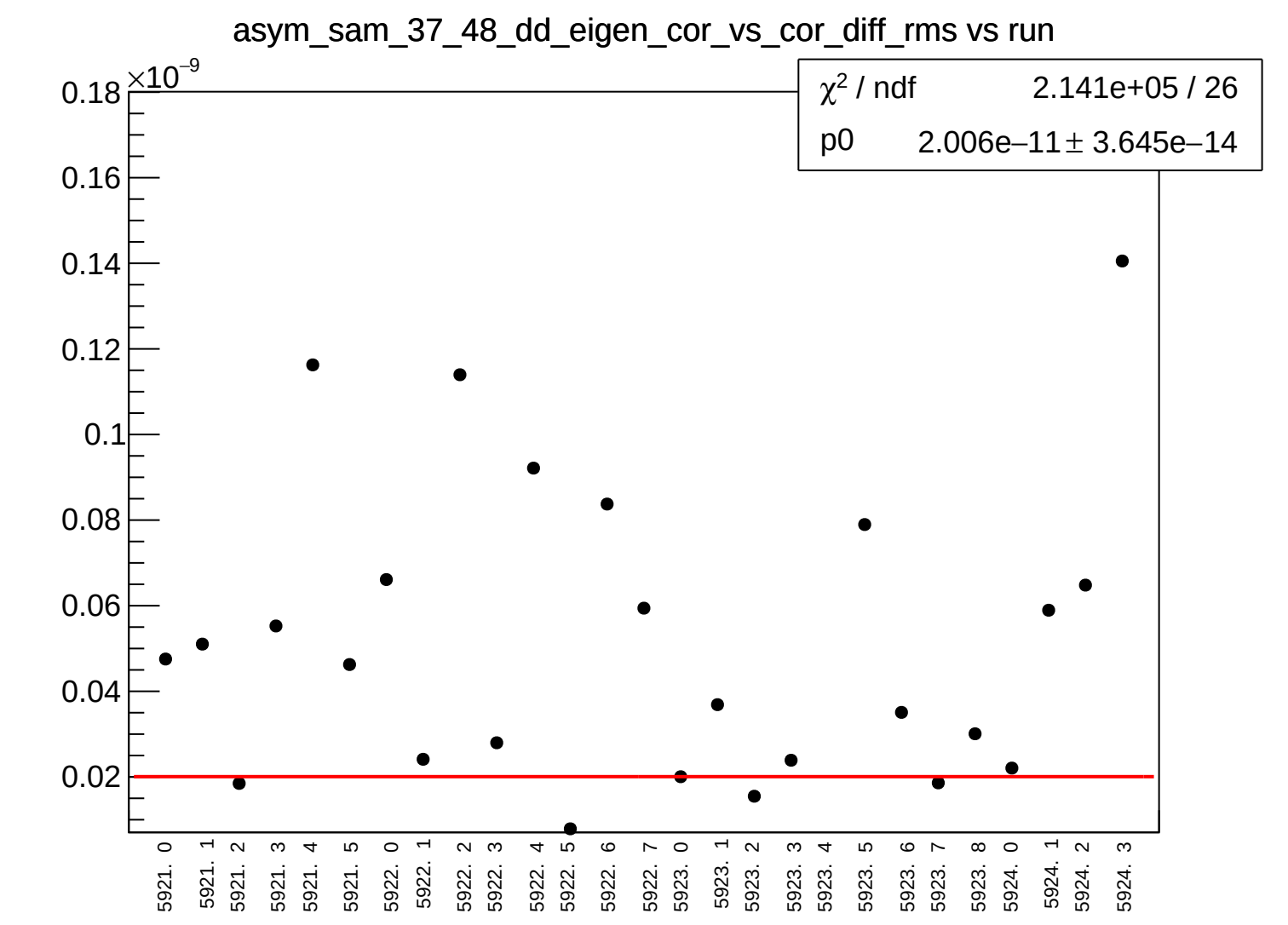


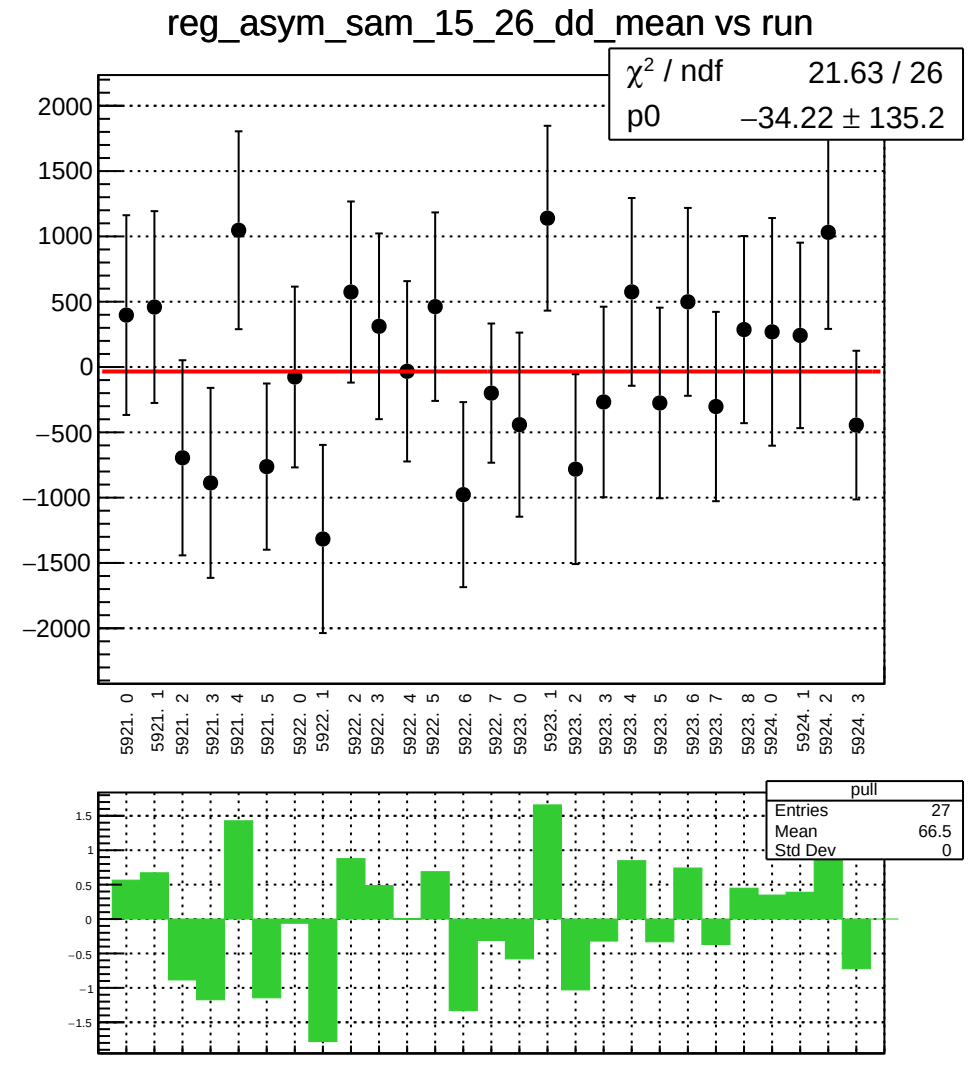


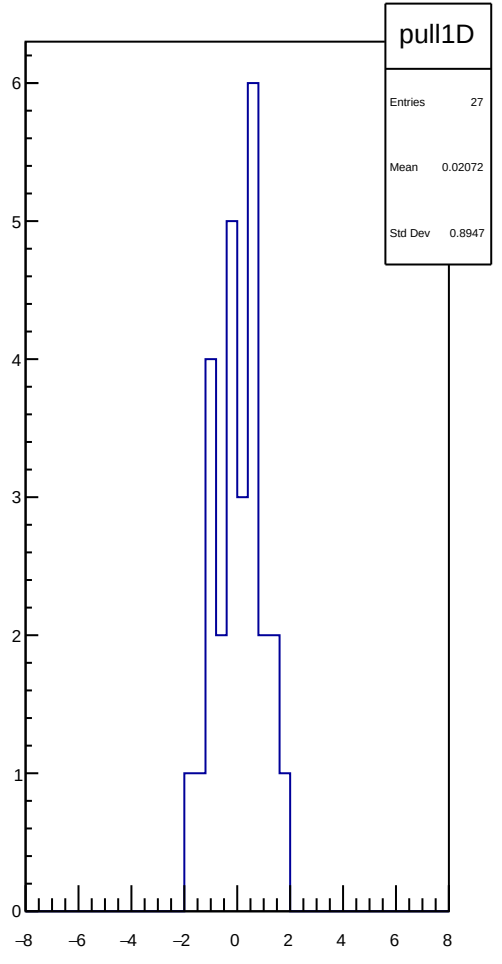

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.444e+04 / 26
p0 32.5 ± 0.04584
45
40
35
30
25
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

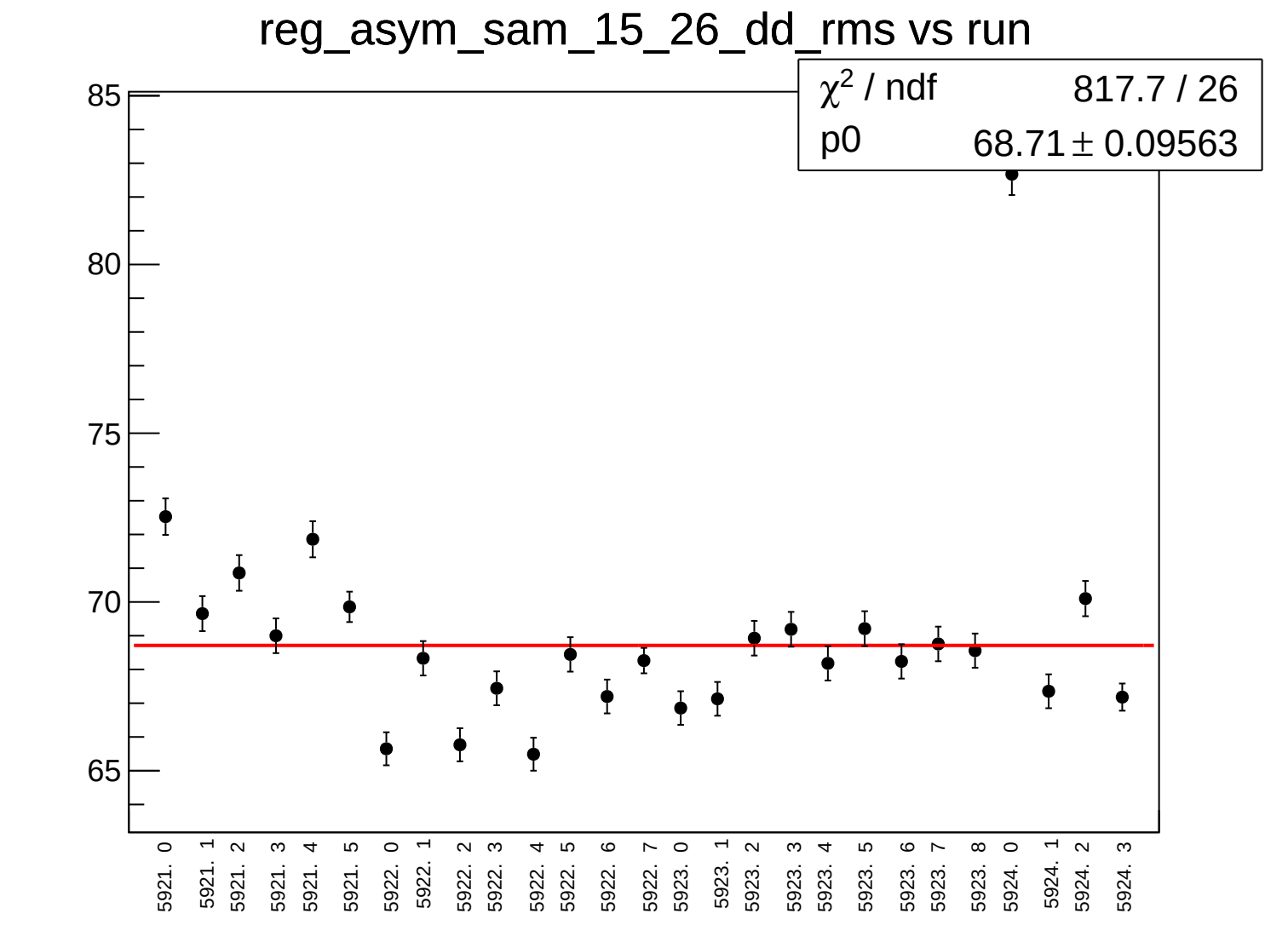

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 28.84 / 26
p0 5.248e−15 ± 5.154e−14
3
2
1
0
−1
−2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 47.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

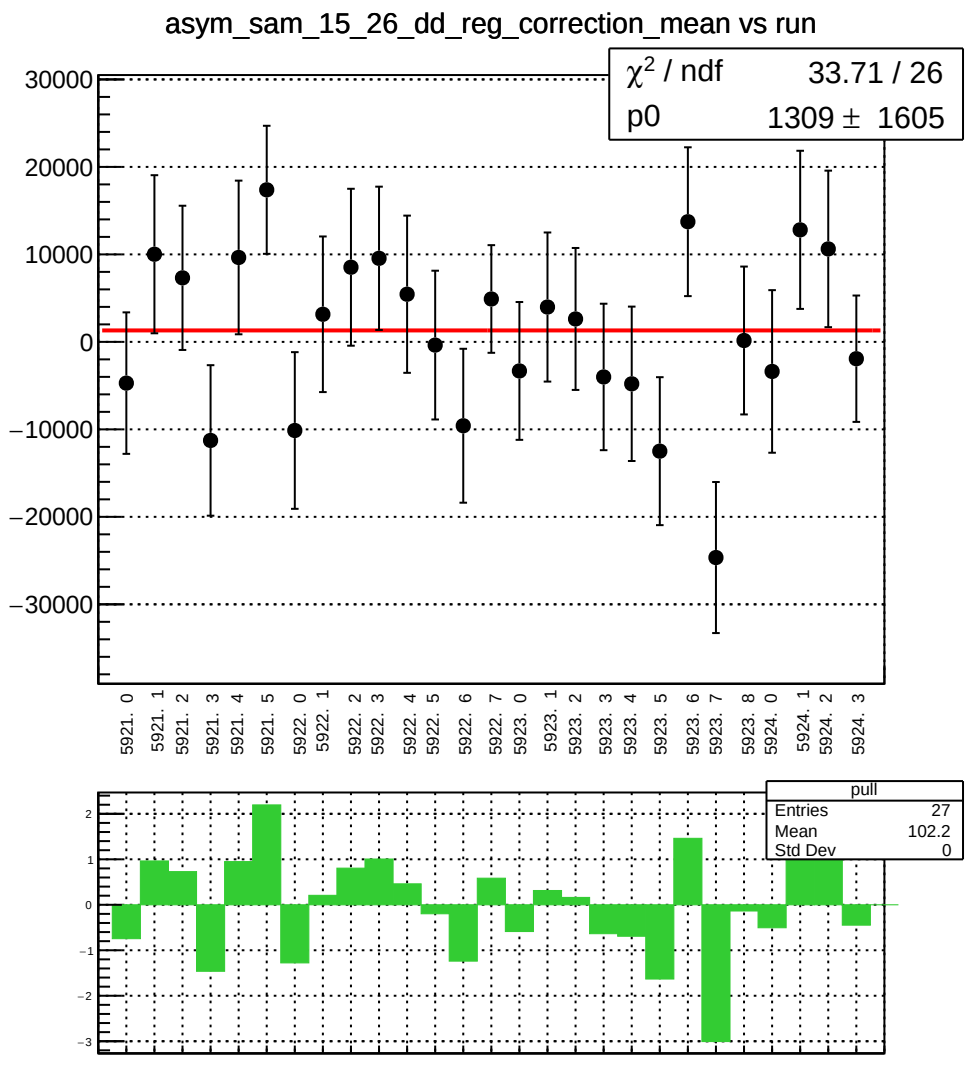

pull1D
Entries 27
Mean −0.04239
Std Dev 1.033
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

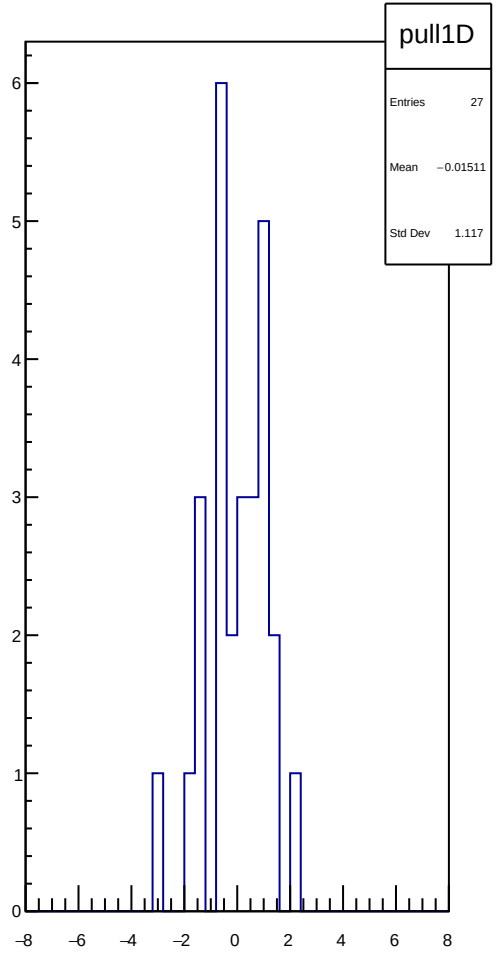

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.141e+05 / 26
p0 2.006e−11 ± 3.645e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

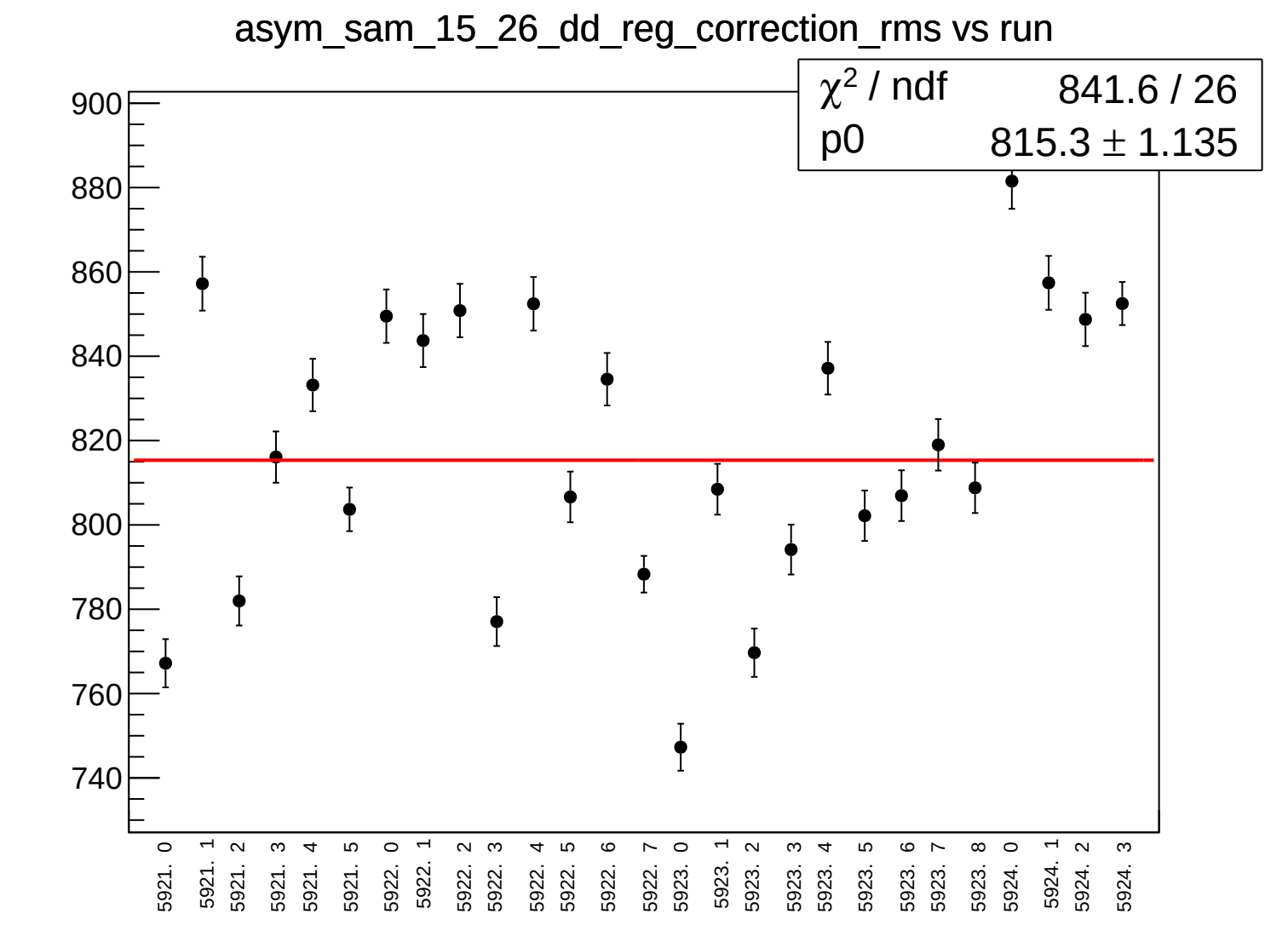

reg_asym_sam_15_26_dd_mean vs run
χ² / ndf 21.63 / 26
p0 −34.22 ± 135.2
2000
1500
1000
500
0
−500
−1000
−1500
−2000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 66.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

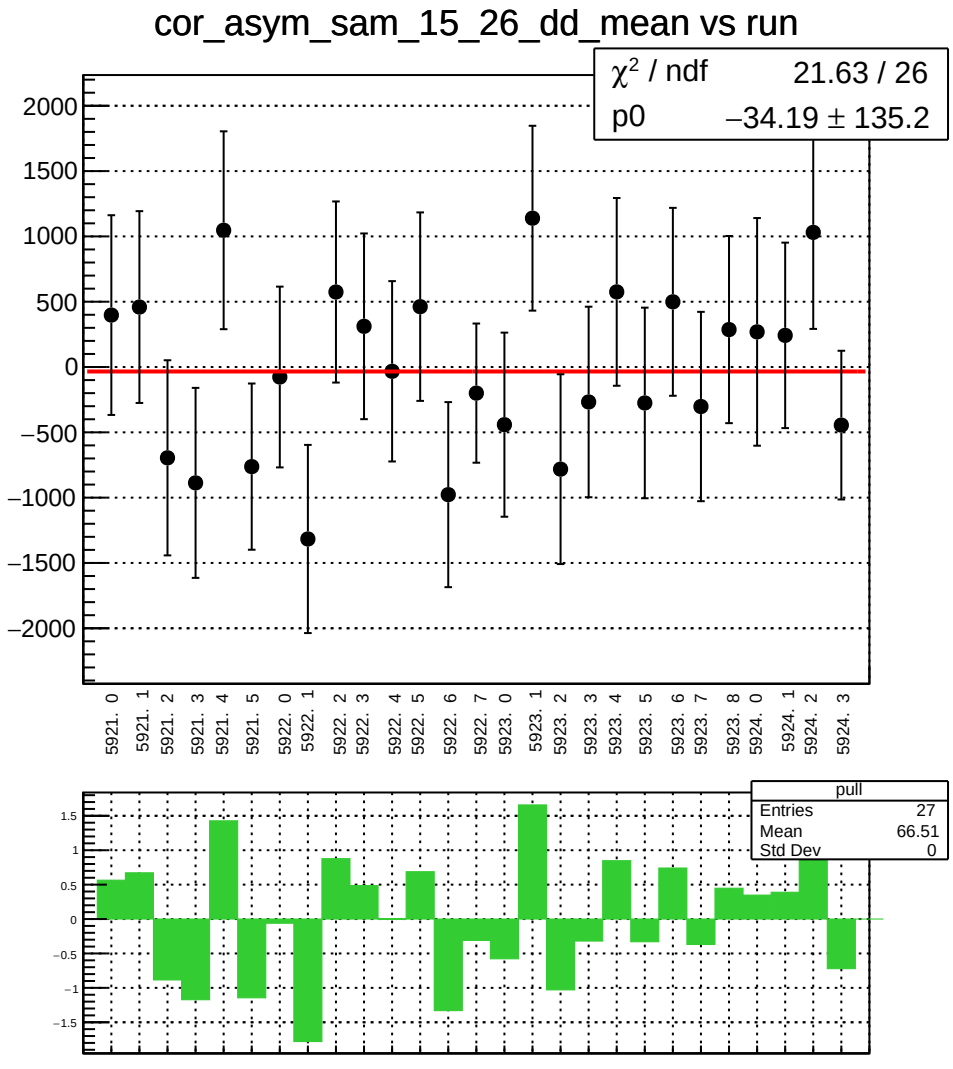

pull1D
Entries 27
Mean 0.02072
Std Dev 0.8947
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

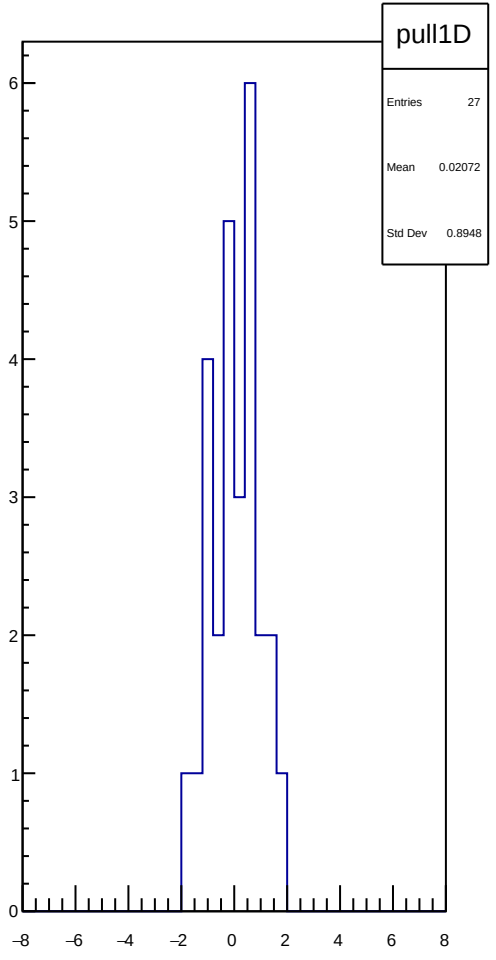

reg_asym_sam_15_26_dd_rms vs run
χ^2 / ndf 817.7 / 26
p0 68.71 ± 0.09563
85
80
75
70
65
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

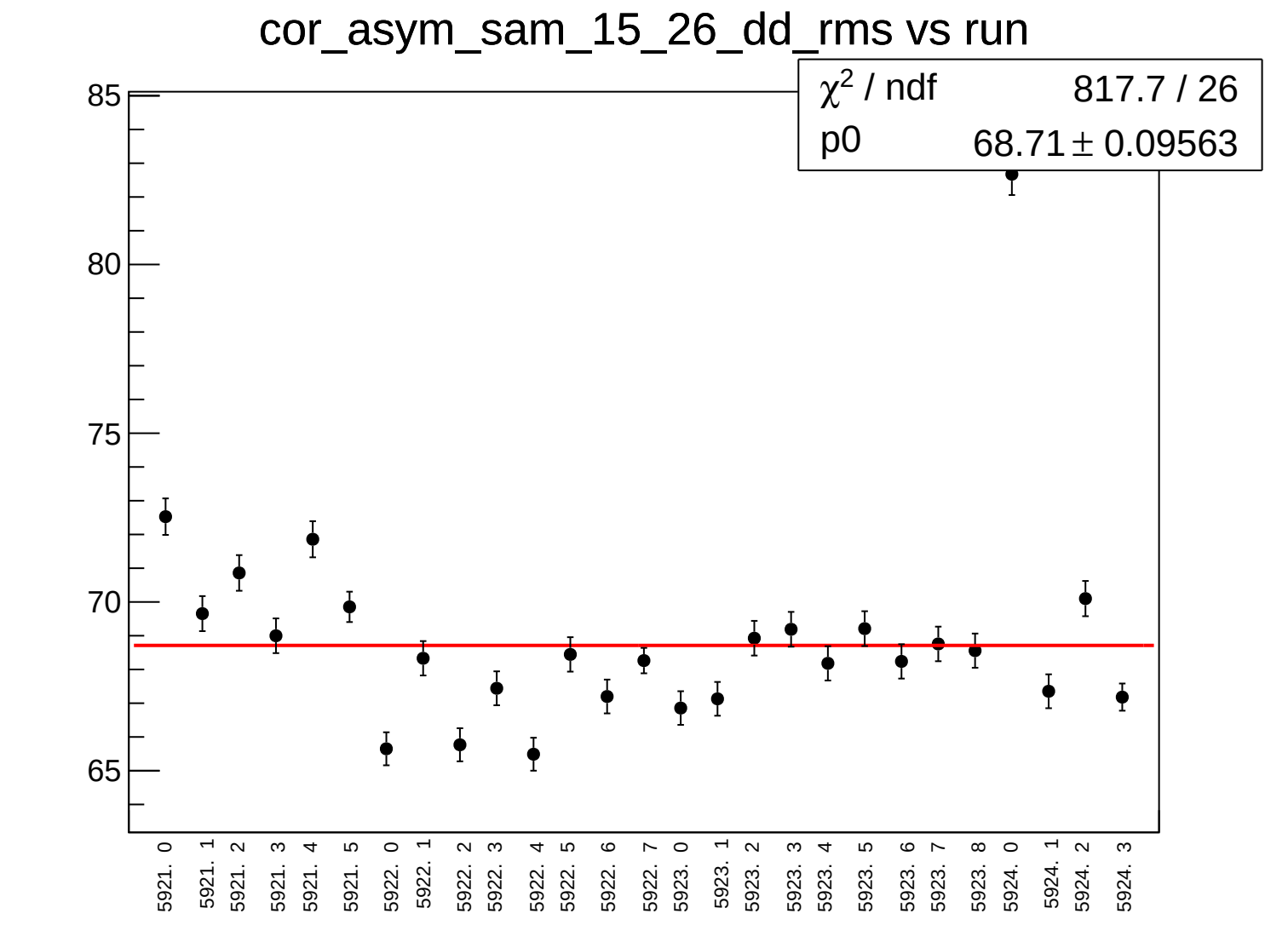

asym_sam_15_26_dd_reg_correction_mean vs run
χ² / ndf 33.71 / 26
p0 1309 ± 1605
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 102.2
Std Dev 0
2
1
0
−1
−2
−3

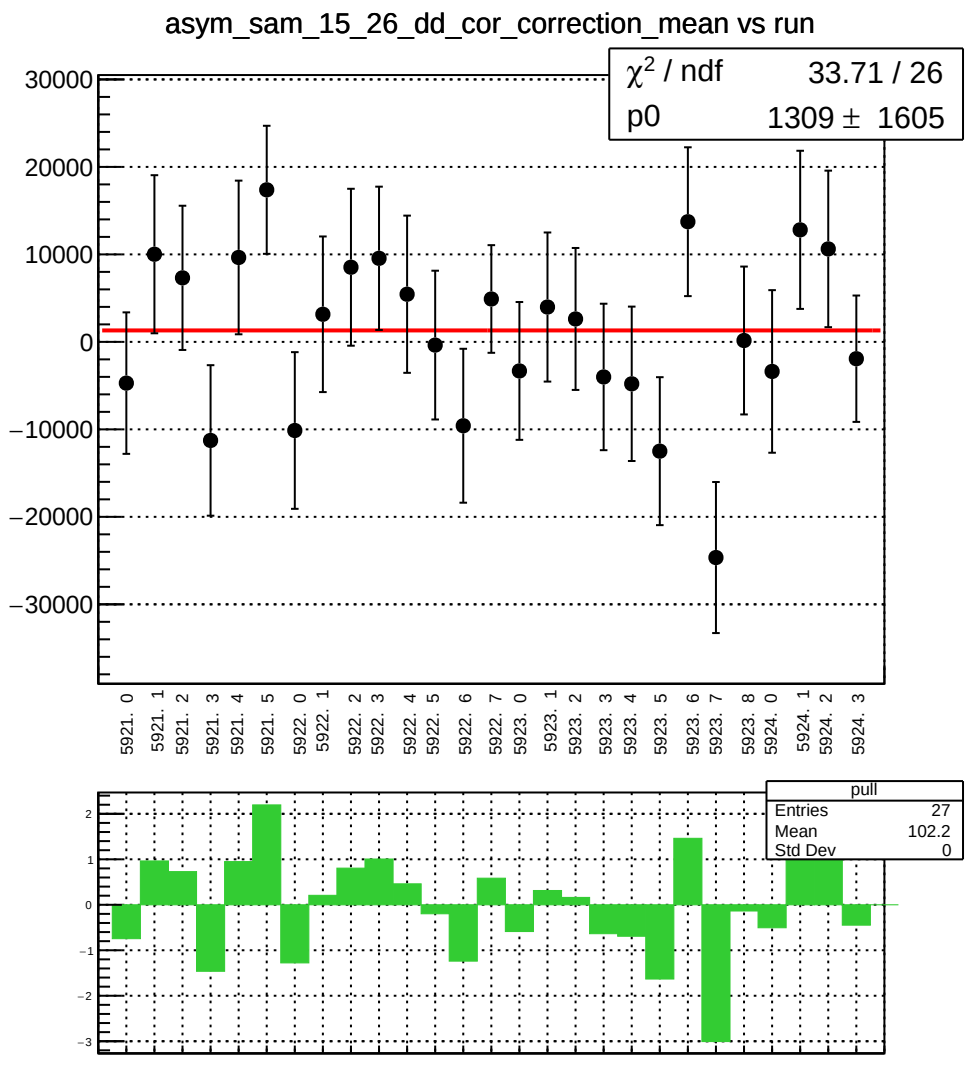

pull1D
Entries 27
Mean −0.01511
Std Dev 1.117
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

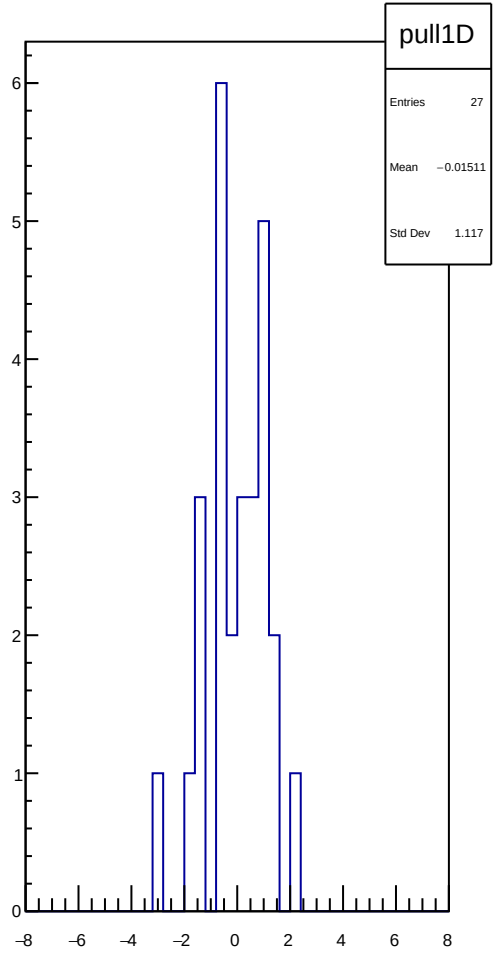

asym_sam_15_26_dd_reg_correction_rms vs run
χ² / ndf 841.6 / 26
p0 815.3 ± 1.135
900
880
860
840
820
800
780
760
740
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

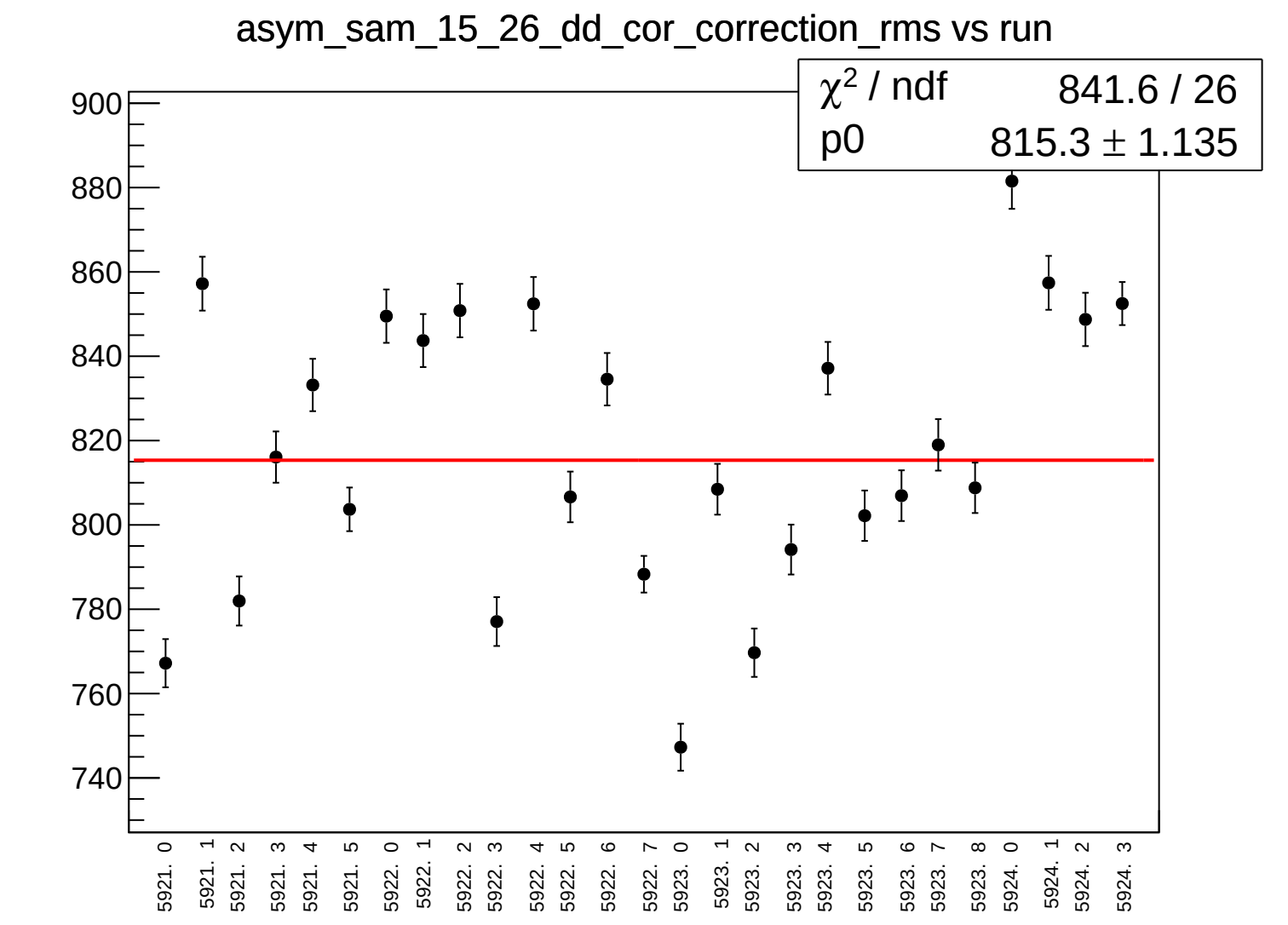

cor_asym_sam_15_26_dd_mean vs run
χ² / ndf 21.63 / 26
p0 −34.19 ± 135.2
2000
1500
1000
500
0
−500
−1000
−1500
−2000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 66.51
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

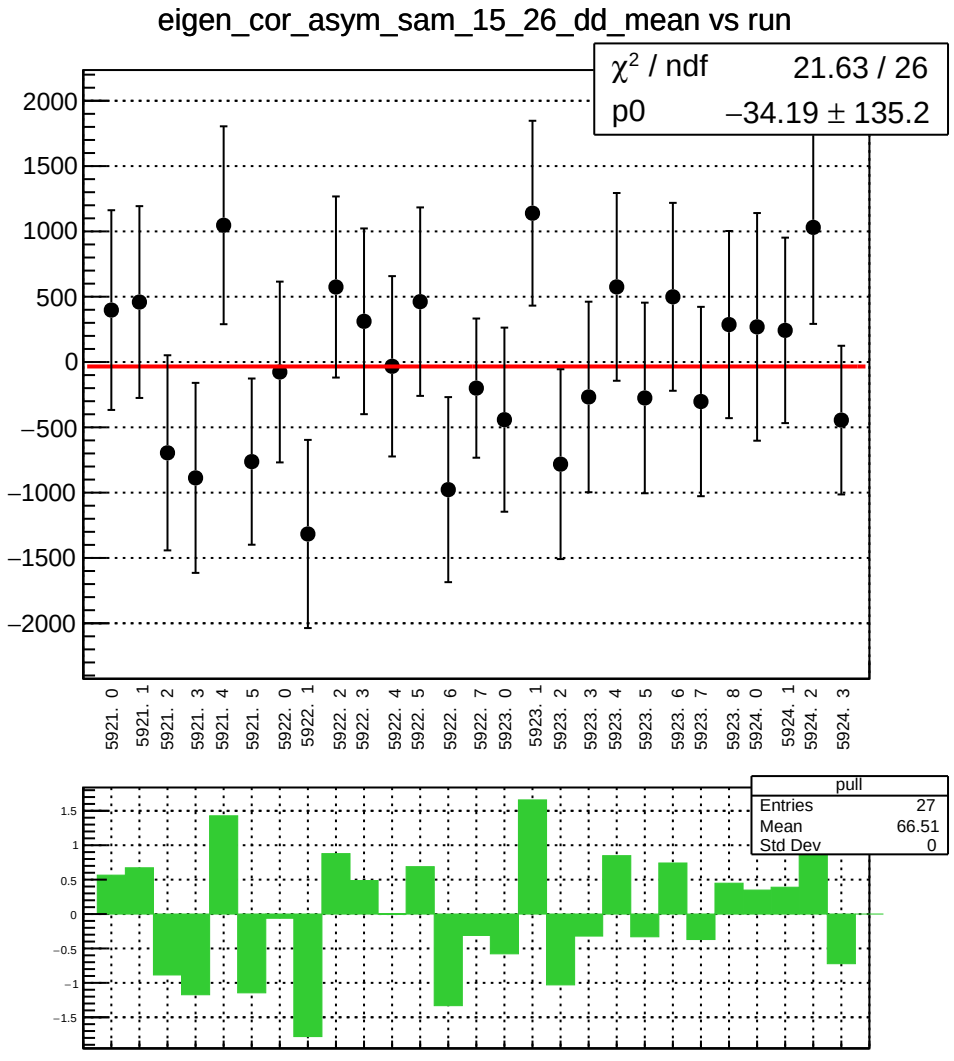

pull1D
Entries 27
Mean 0.02072
Std Dev 0.8948
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

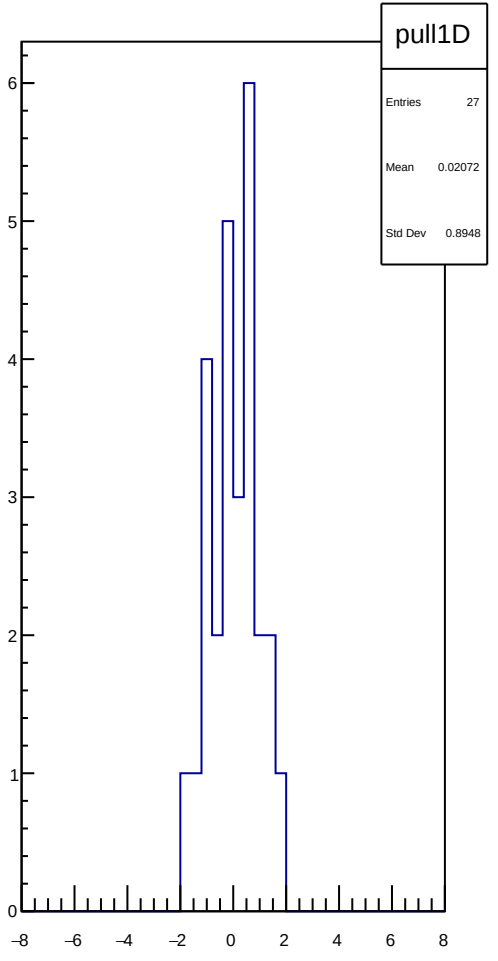

cor_asym_sam_15_26_dd_rms vs run
χ^2 / ndf 817.7 / 26
p0 68.71 ± 0.09563
85
80
75
70
65
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

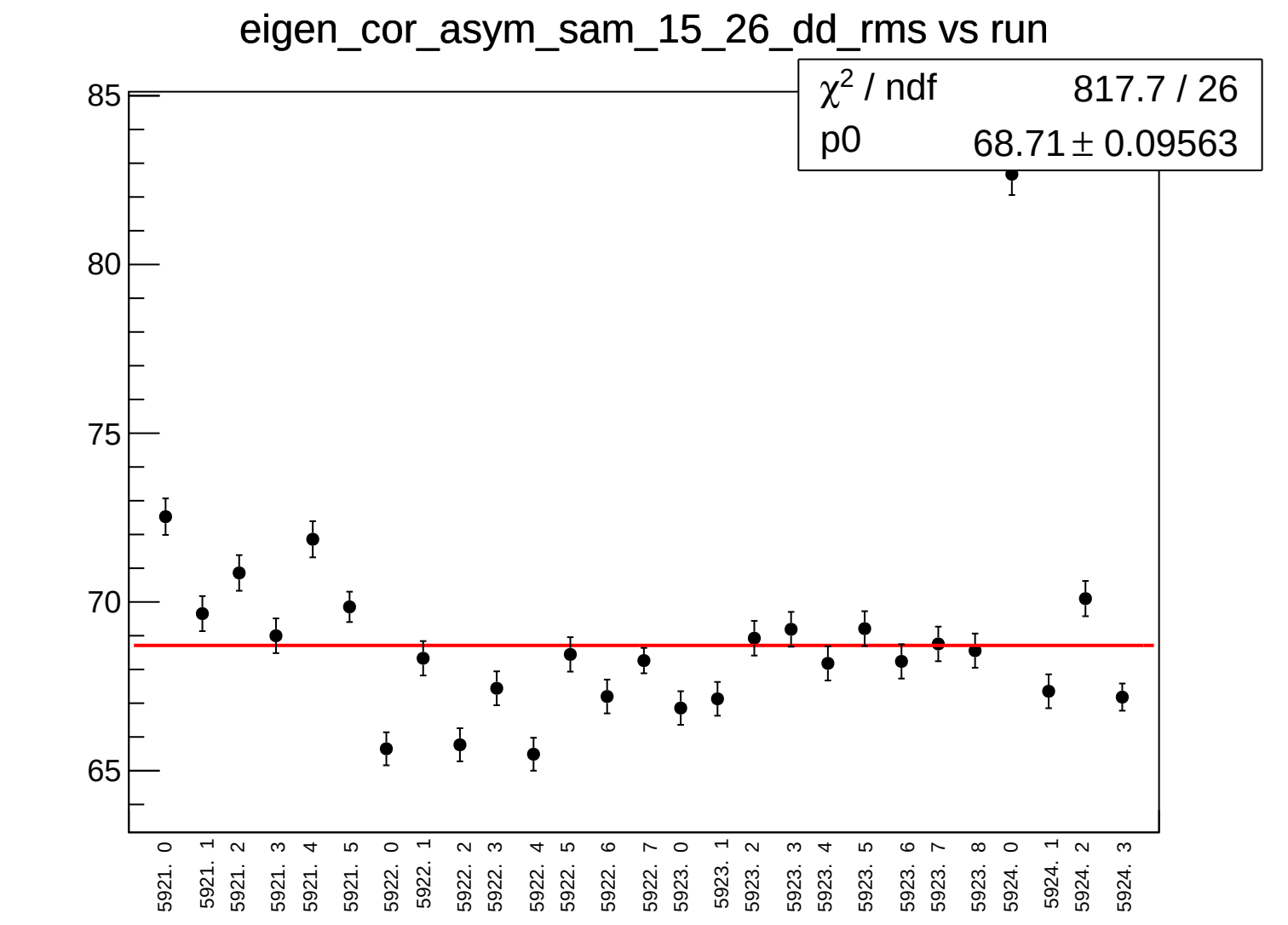

asym_sam_15_26_dd_cor_correction_mean vs run
χ² / ndf 33.71 / 26
p0 1309 ± 1605
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 102.2
Std Dev 0
2
1
0
−1
−2
−3

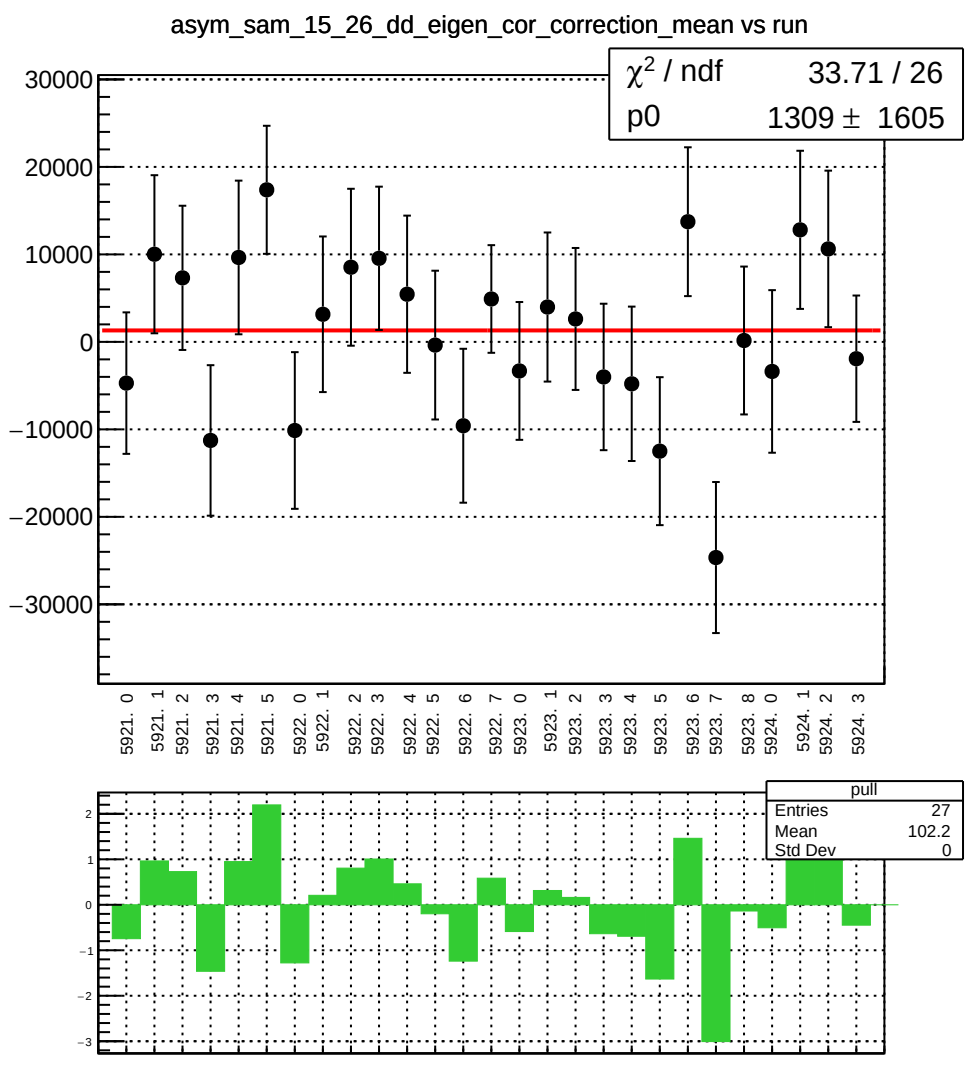

pull1D
Entries 27
Mean −0.01511
Std Dev 1.117
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

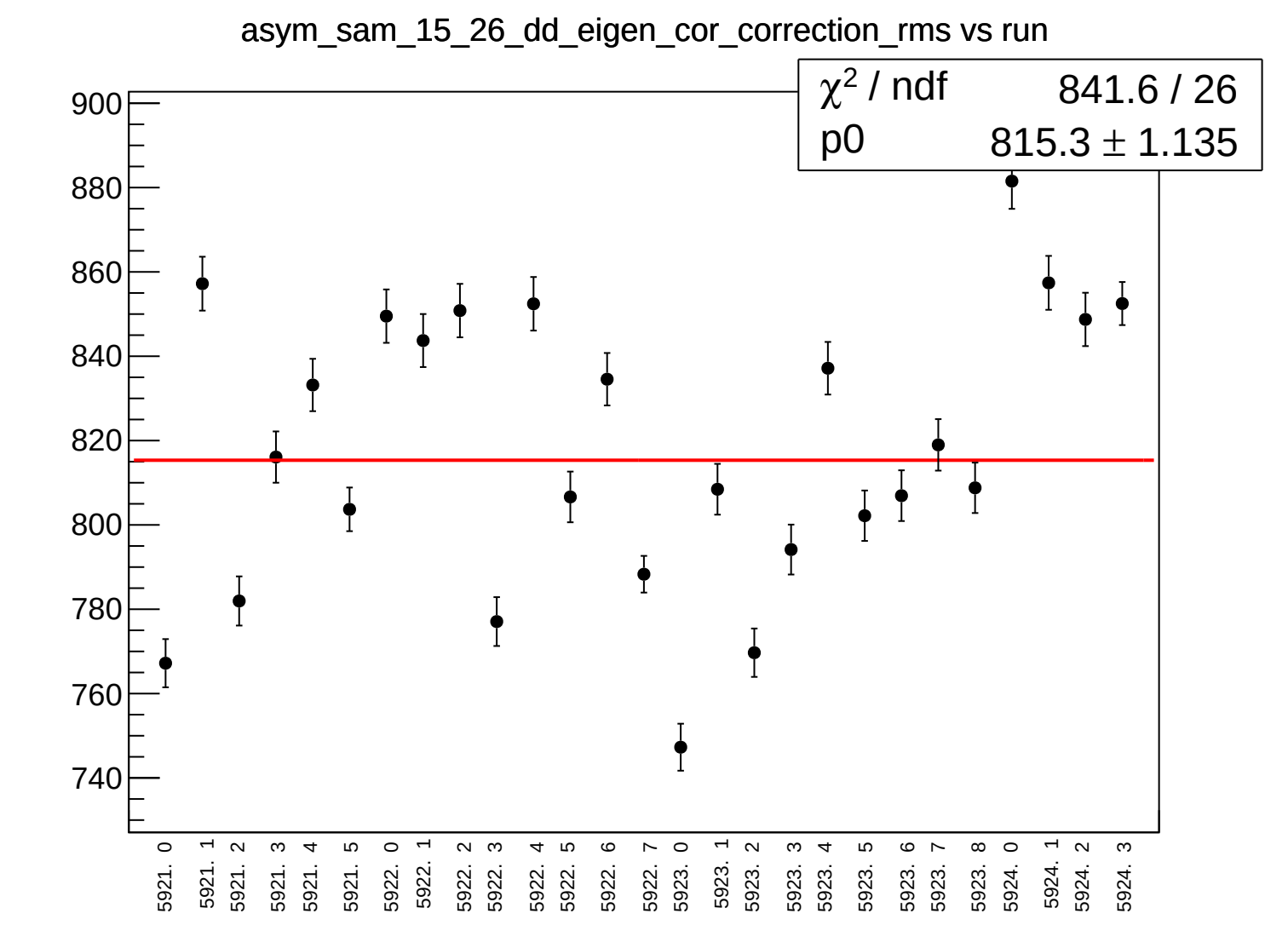

asym_sam_15_26_dd_cor_correction_rms vs run
χ² / ndf 841.6 / 26
p0 815.3 ± 1.135
900
880
860
840
820
800
780
760
740
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

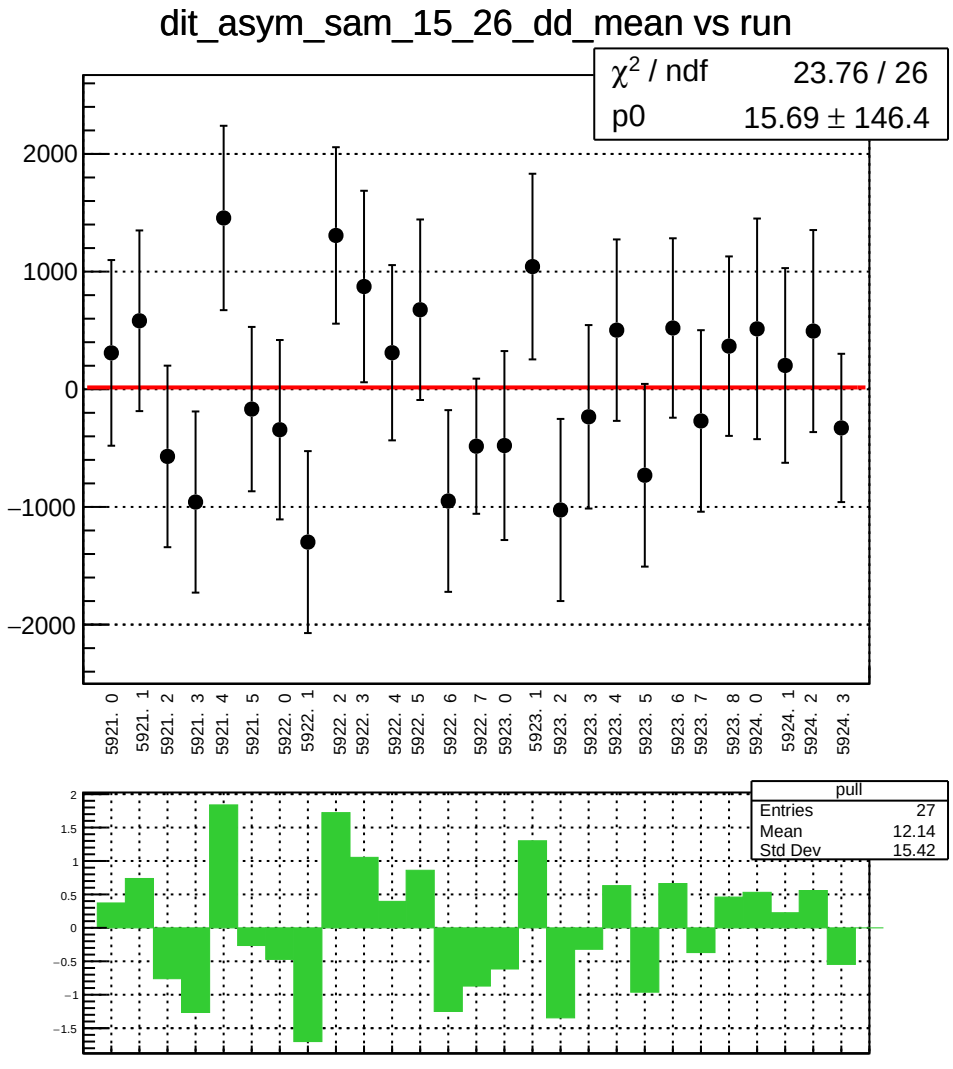

eigen_cor_asym_sam_15_26_dd_mean vs run
χ² / ndf 21.63 / 26
p0 −34.19 ± 135.2
2000
1500
1000
500
0
−500
−1000
−1500
−2000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 66.51
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

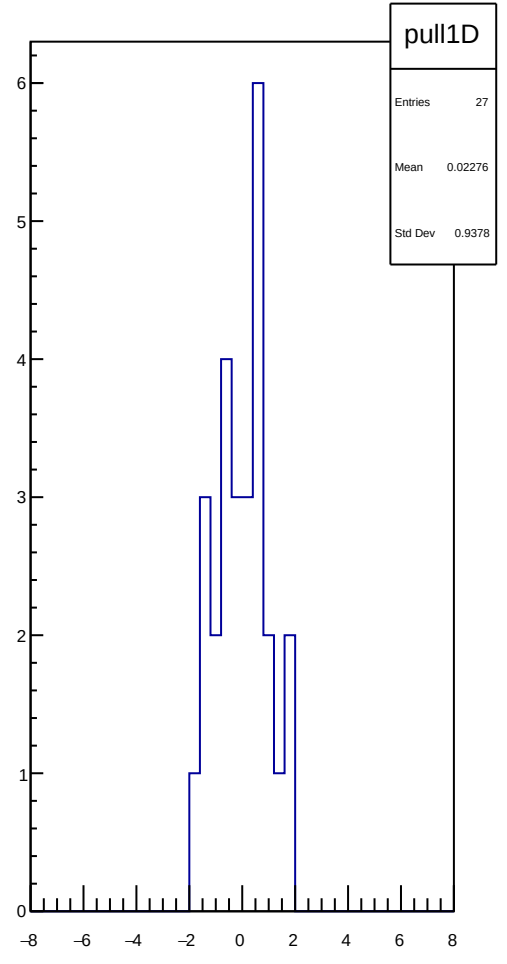

pull1D
Entries 27
Mean 0.02072
Std Dev 0.8948
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

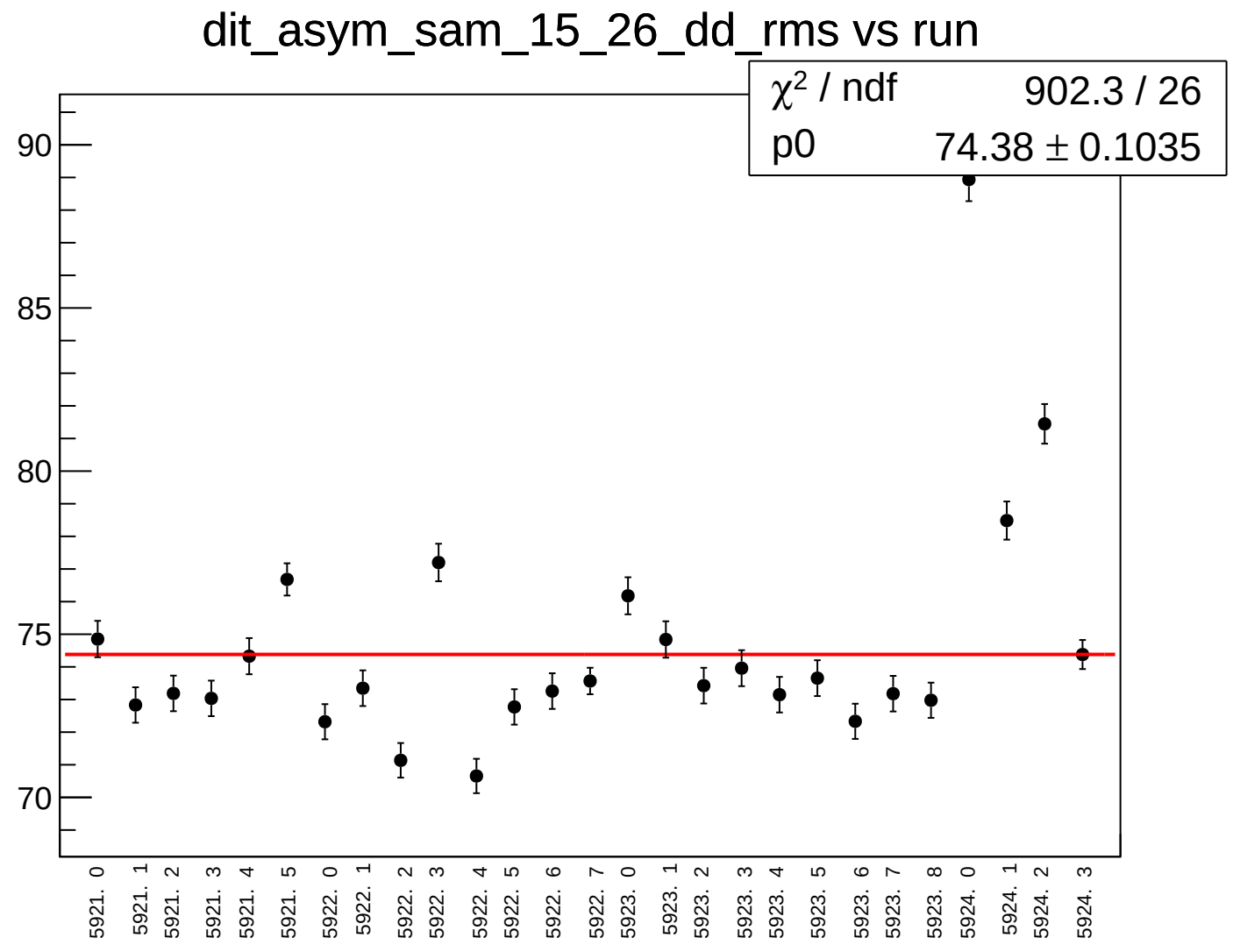

eigen_cor_asym_sam_15_26_dd_rms vs run
χ² / ndf 817.7 / 26
p0 68.71 ± 0.09563
85
80
75
70
65
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

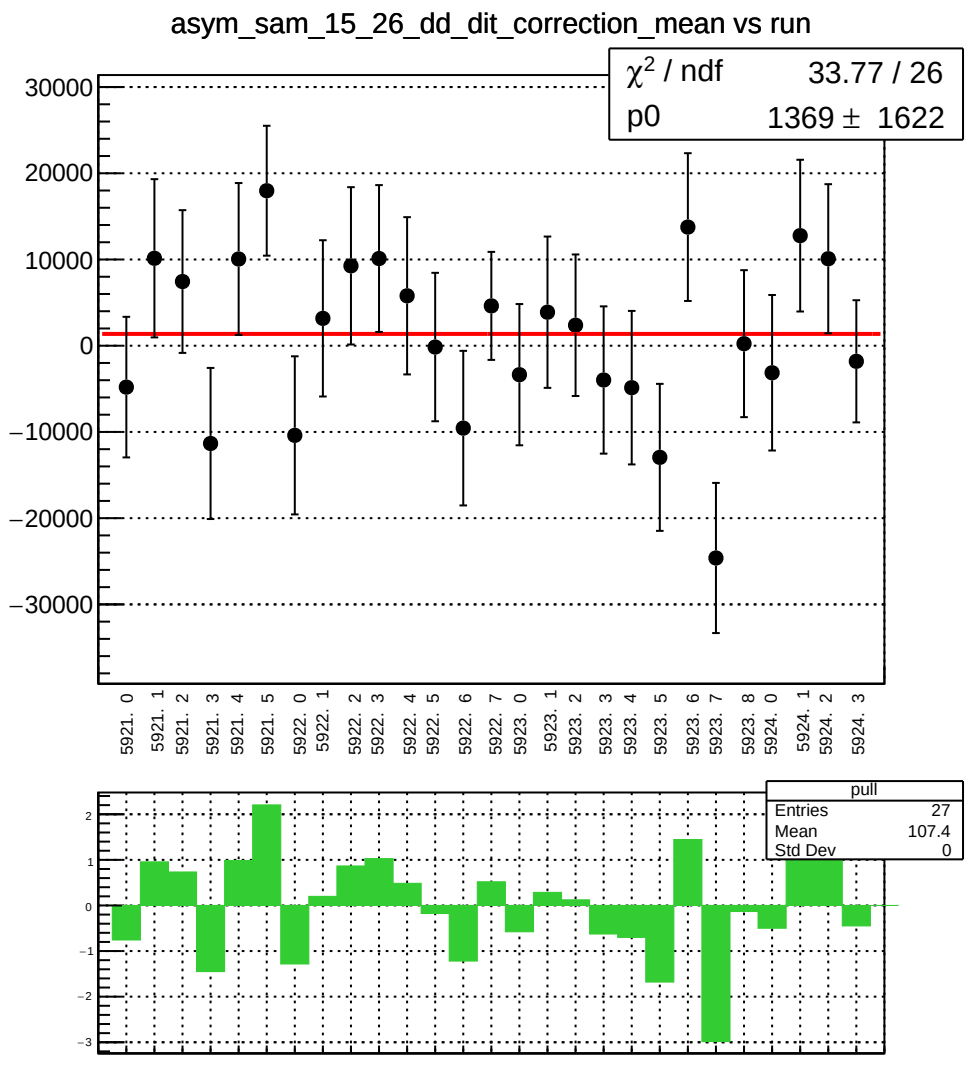

asym_sam_15_26_dd_eigen_cor_correction_mean vs run
χ² / ndf 33.71 / 26
p0 1309 ± 1605
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 102.2
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 27
Mean −0.01511
Std Dev 1.117
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

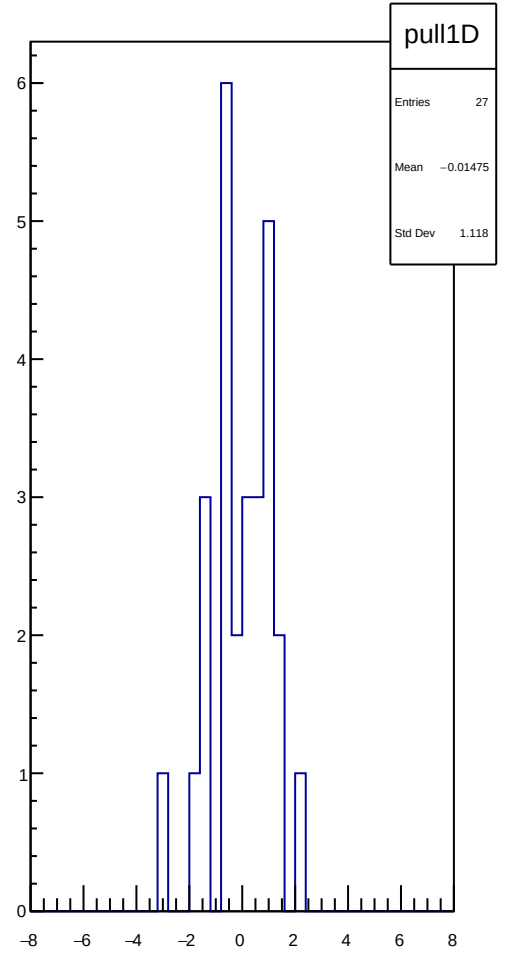

asym_sam_15_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 841.6 / 26
p0 815.3 ± 1.135
900
880
860
840
820
800
780
760
740
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

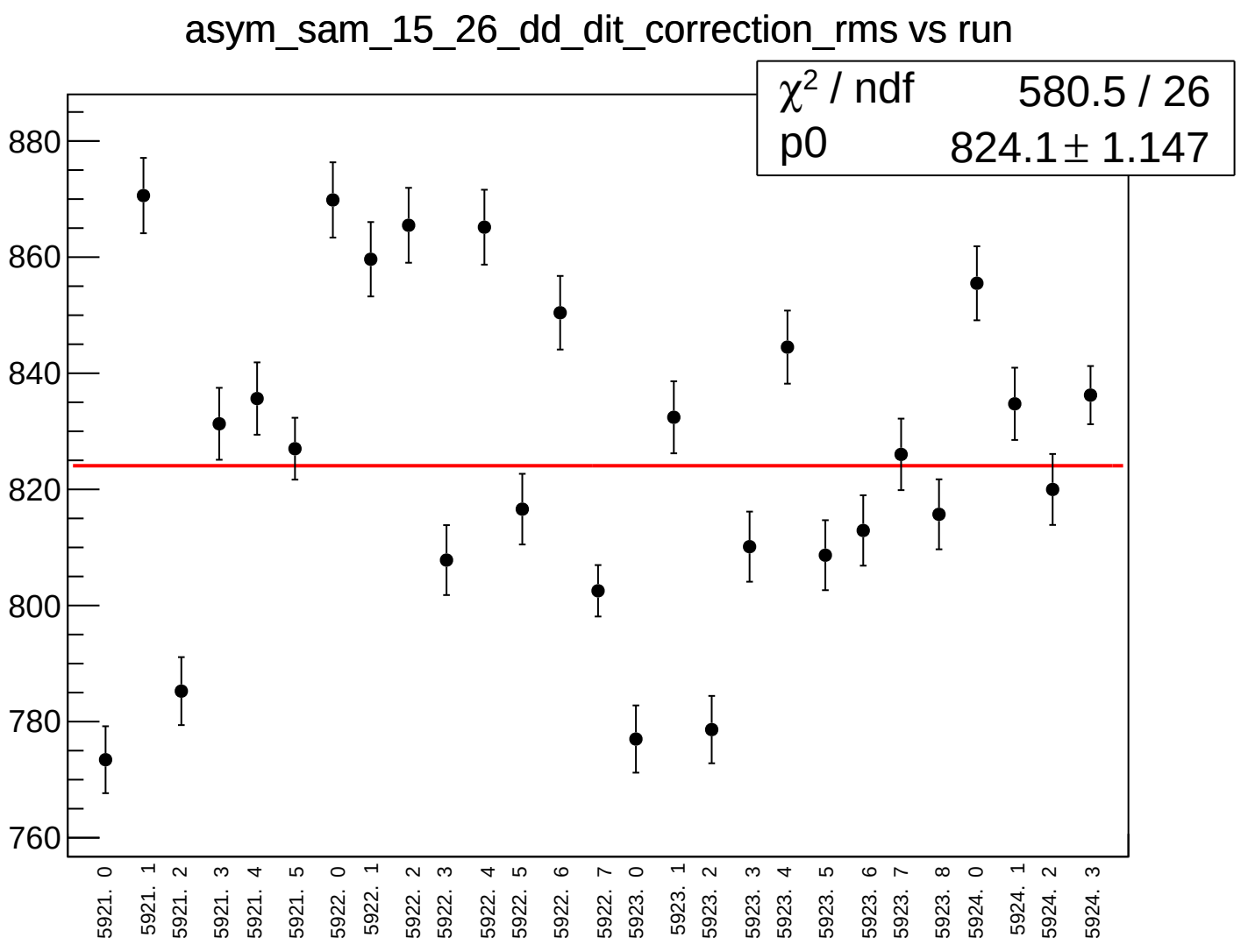

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 23.76 / 26
p0 15.69 ± 146.4
2000
1000
0
−1000
−2000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 12.14
Std Dev 15.42
2
1.5
1
0.5
0
−0.5
−1
−1.5

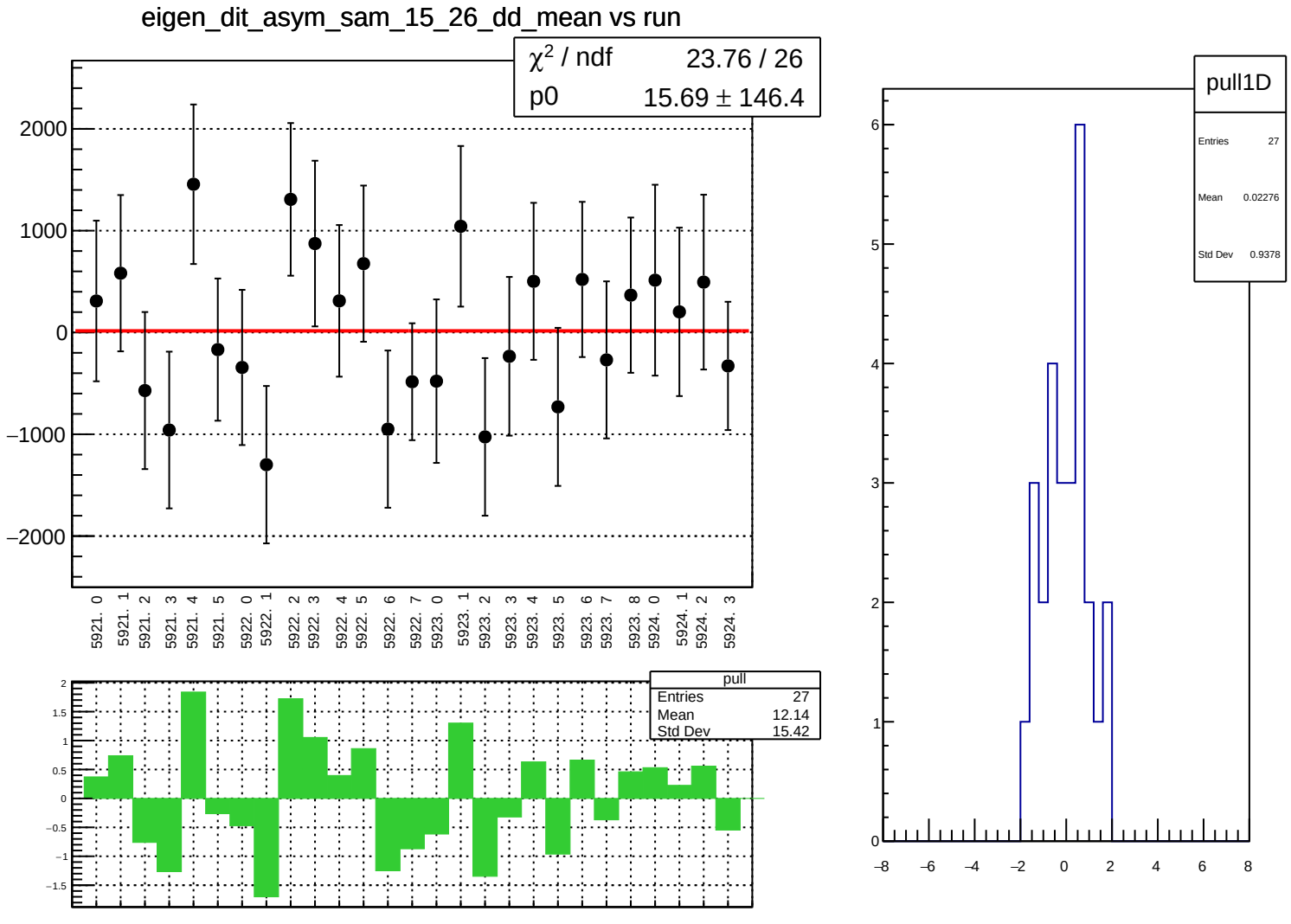

pull1D
Entries 27
Mean 0.02276
Std Dev 0.9378
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

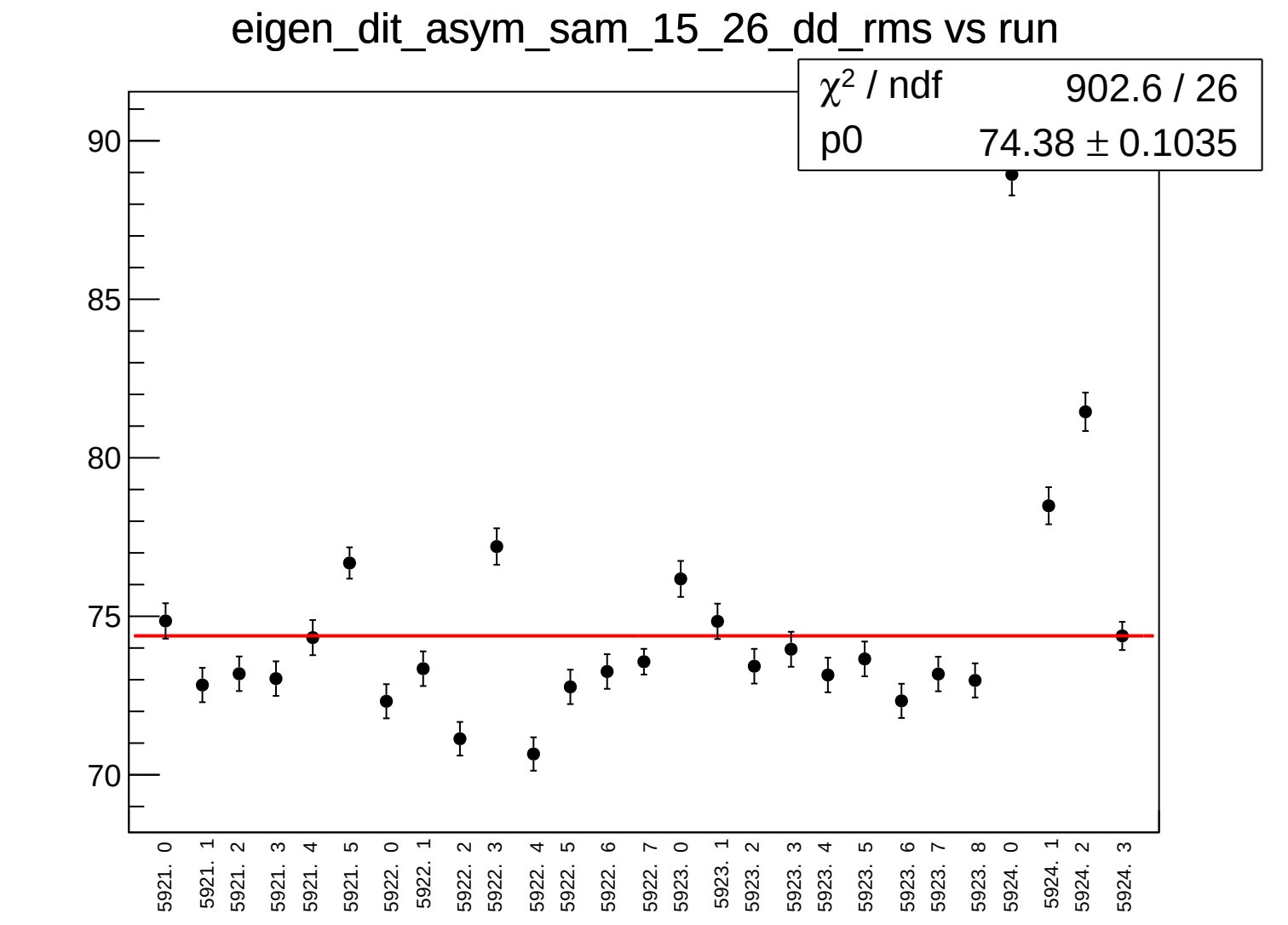

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 902.3 / 26
p0 74.38 ± 0.1035
90
85
80
75
70
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

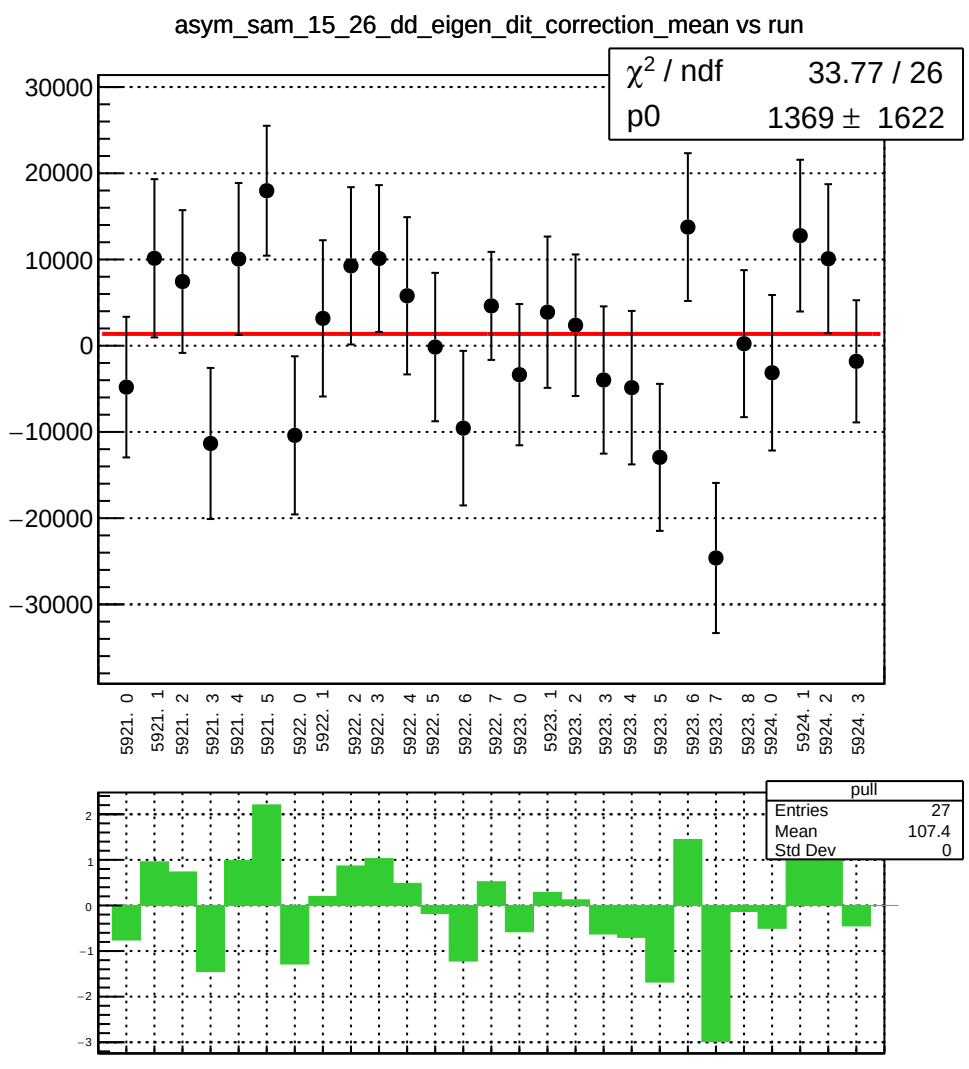

asym_sam_15_26_dd_dit_correction_mean vs run
χ² / ndf 33.77 / 26
p0 1369 ± 1622
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 107.4
Std Dev 0
2
1
0
−1
−2
−3

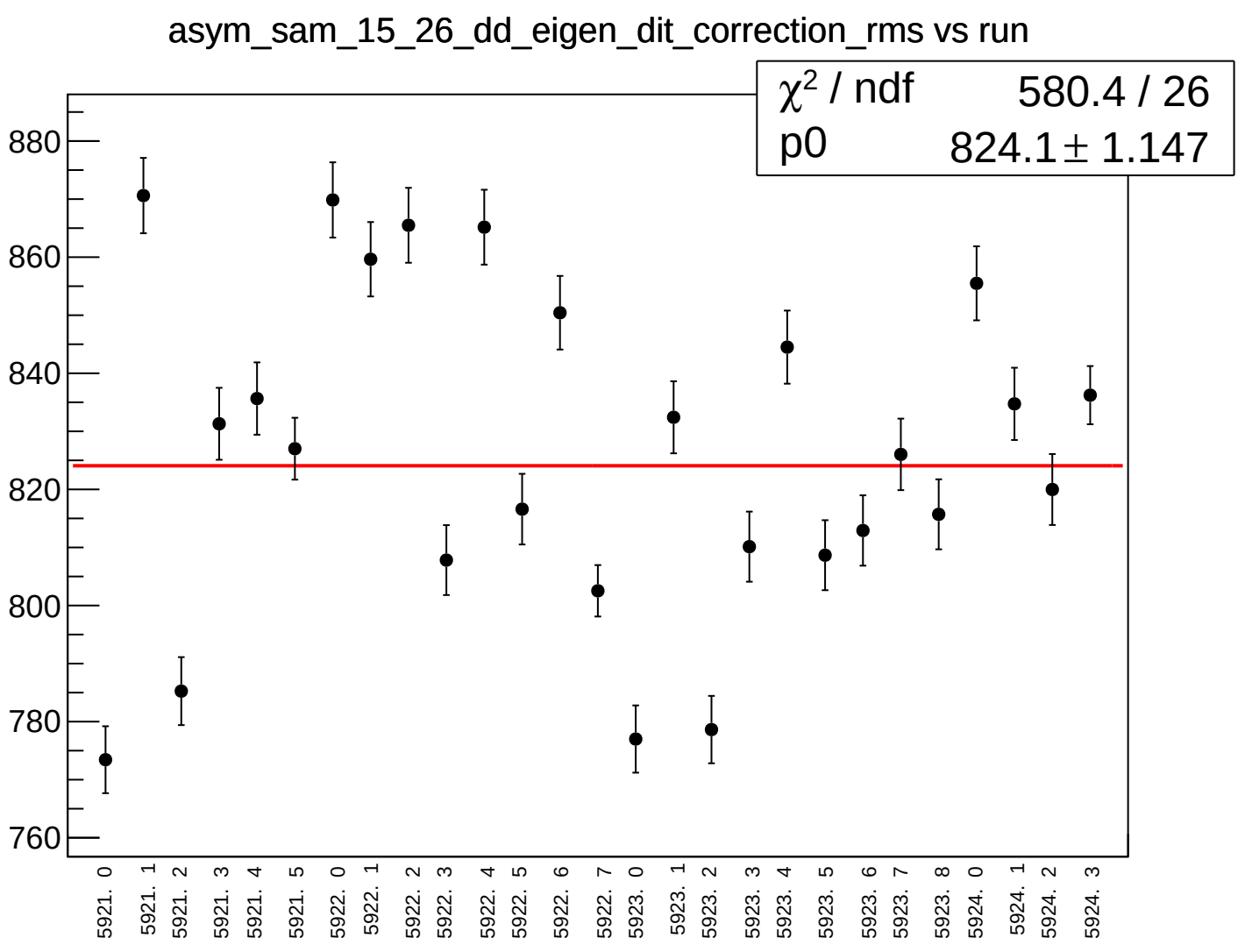

pull1D
Entries 27
Mean −0.01475
Std Dev 1.118
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

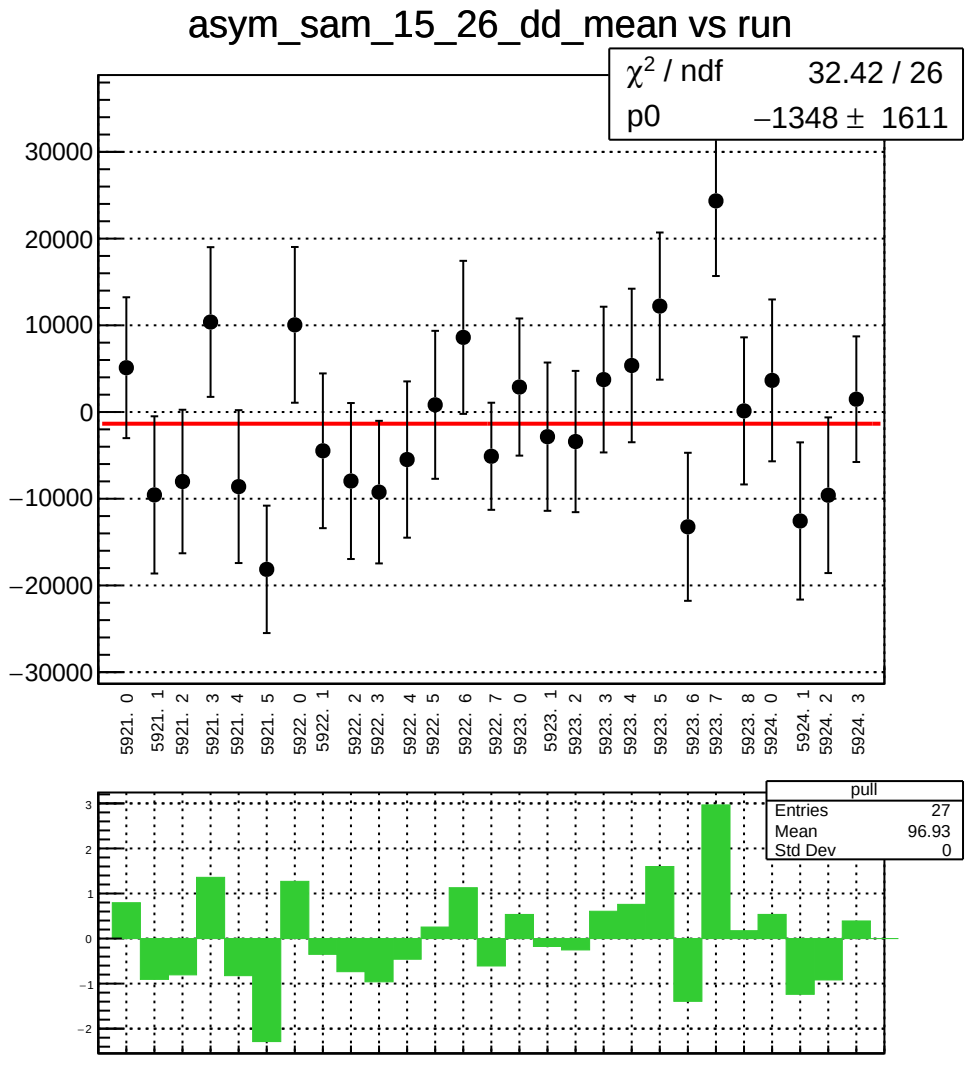

asym_sam_15_26_dd_dit_correction_rms vs run
χ² / ndf 580.5 / 26
p0 824.1 ± 1.147
880
860
840
820
800
780
760
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

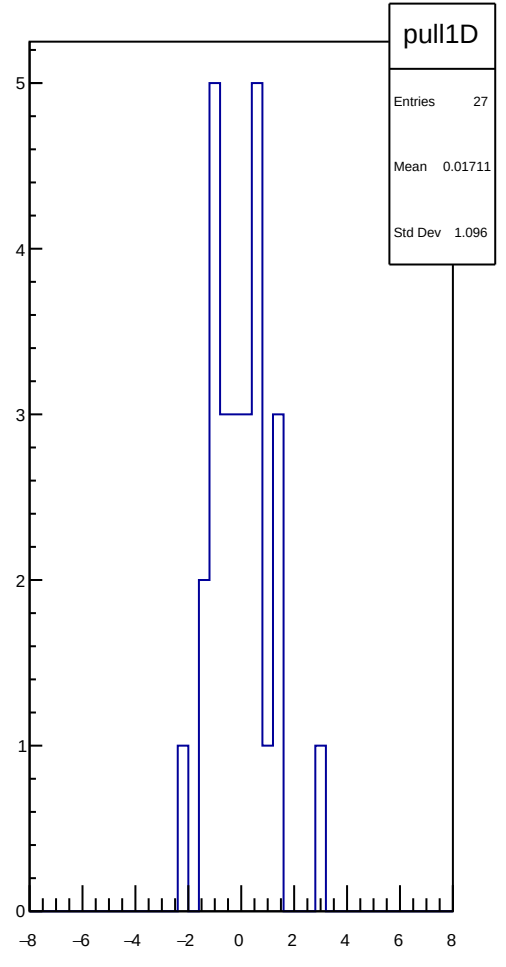

eigen_dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 23.76 / 26
p0 15.69 ± 146.4
2000
1000
0
−1000
−2000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 12.14
Std Dev 15.42
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.02276
Std Dev 0.9378
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

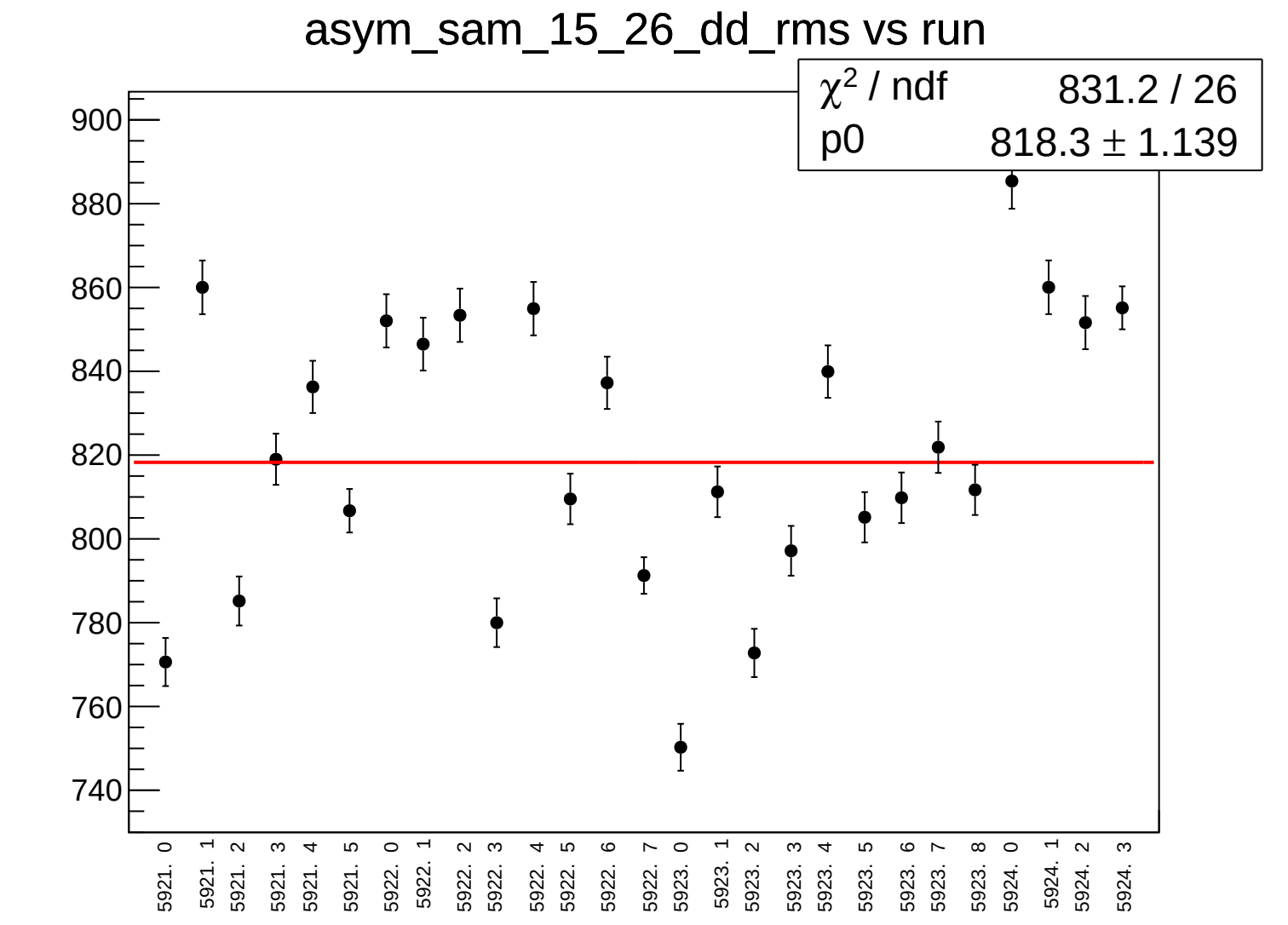

eigen_dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 902.6 / 26
p0 74.38 ± 0.1035
90
85
80
75
70
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

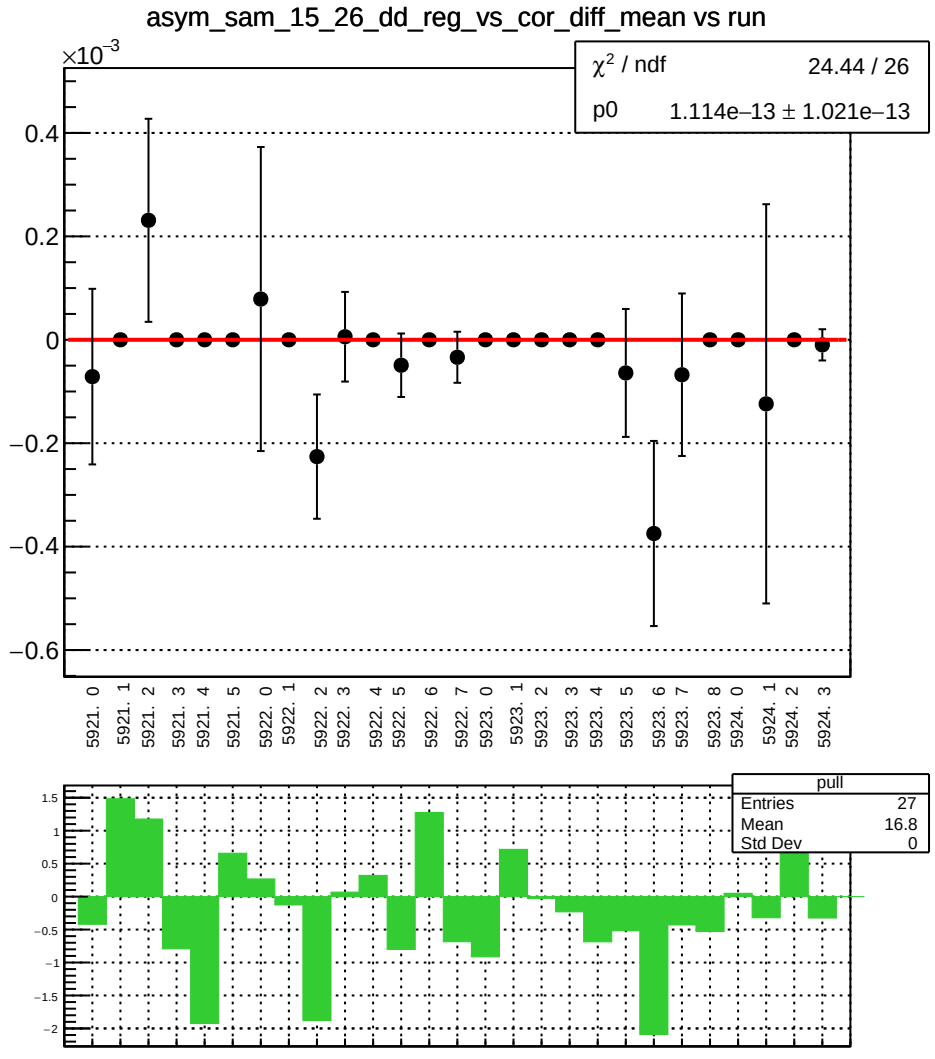

asym_sam_15_26_dd_eigen_dit_correction_mean vs run
χ² / ndf 33.77 / 26
p0 1369 ± 1622
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 107.4
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 27
Mean −0.01475
Std Dev 1.118
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

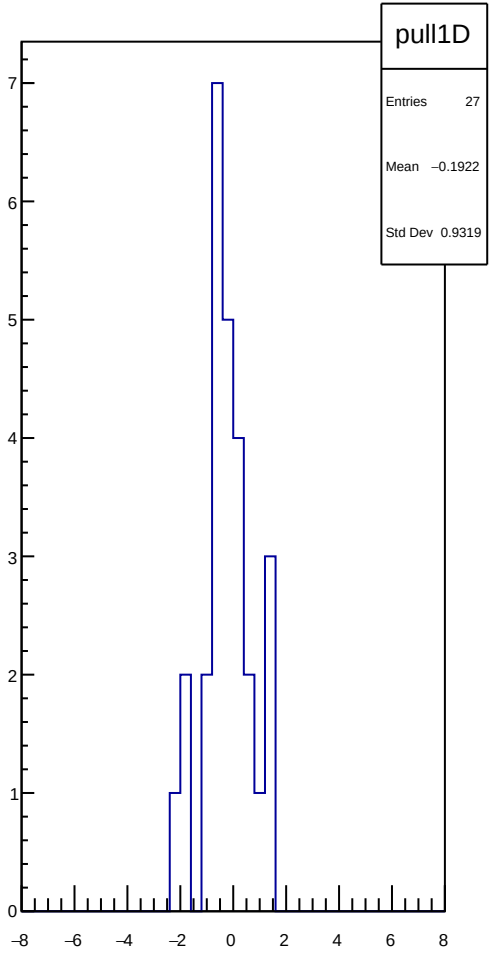

asym_sam_15_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 580.4 / 26
p0 824.1 ± 1.147
880
860
840
820
800
780
760
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

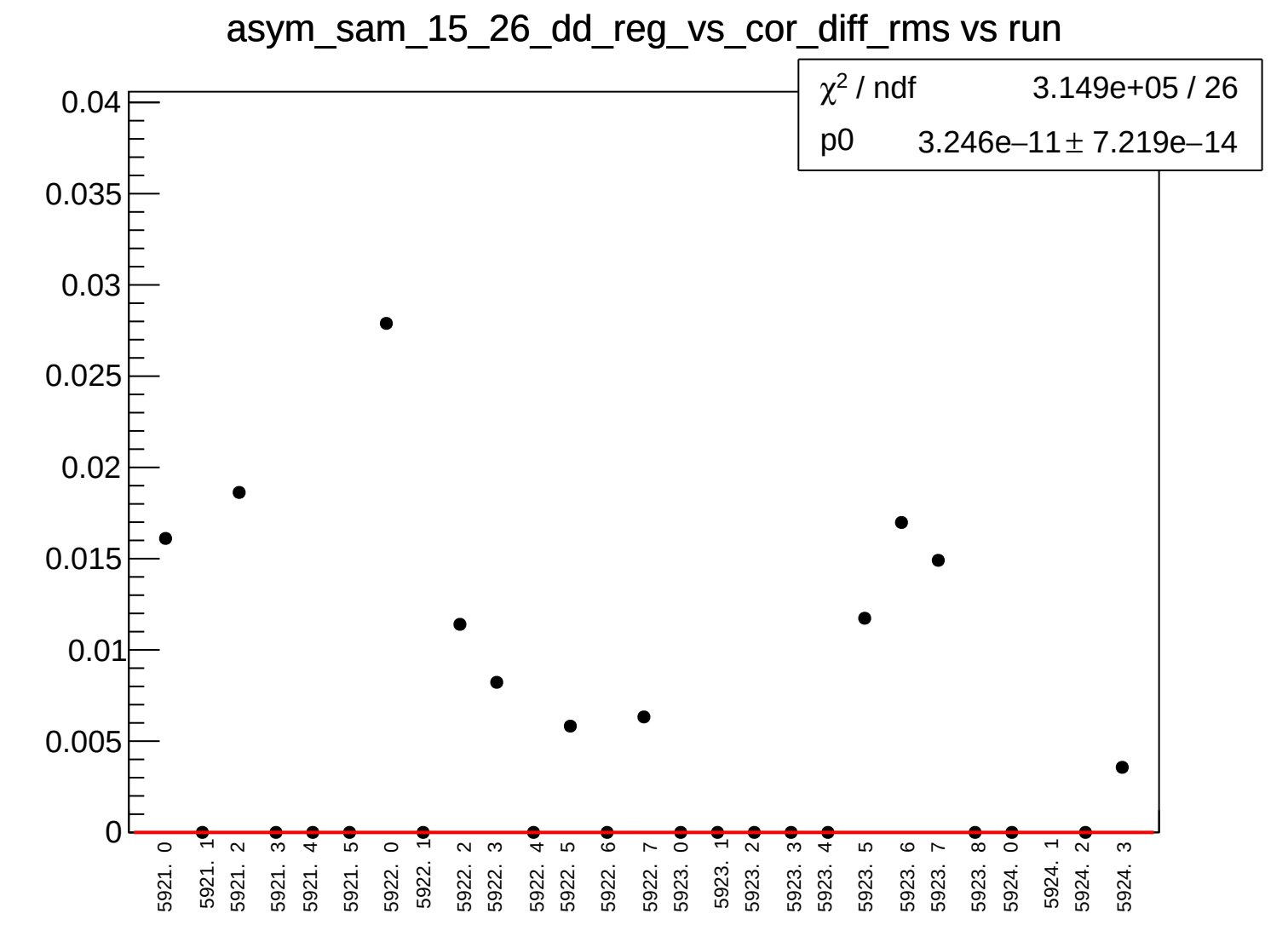

asym_sam_15_26_dd_mean vs run
χ² / ndf 32.42 / 26
p0 −1348 ± 1611
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 96.93
Std Dev 0
3
2
1
0
−1
−2

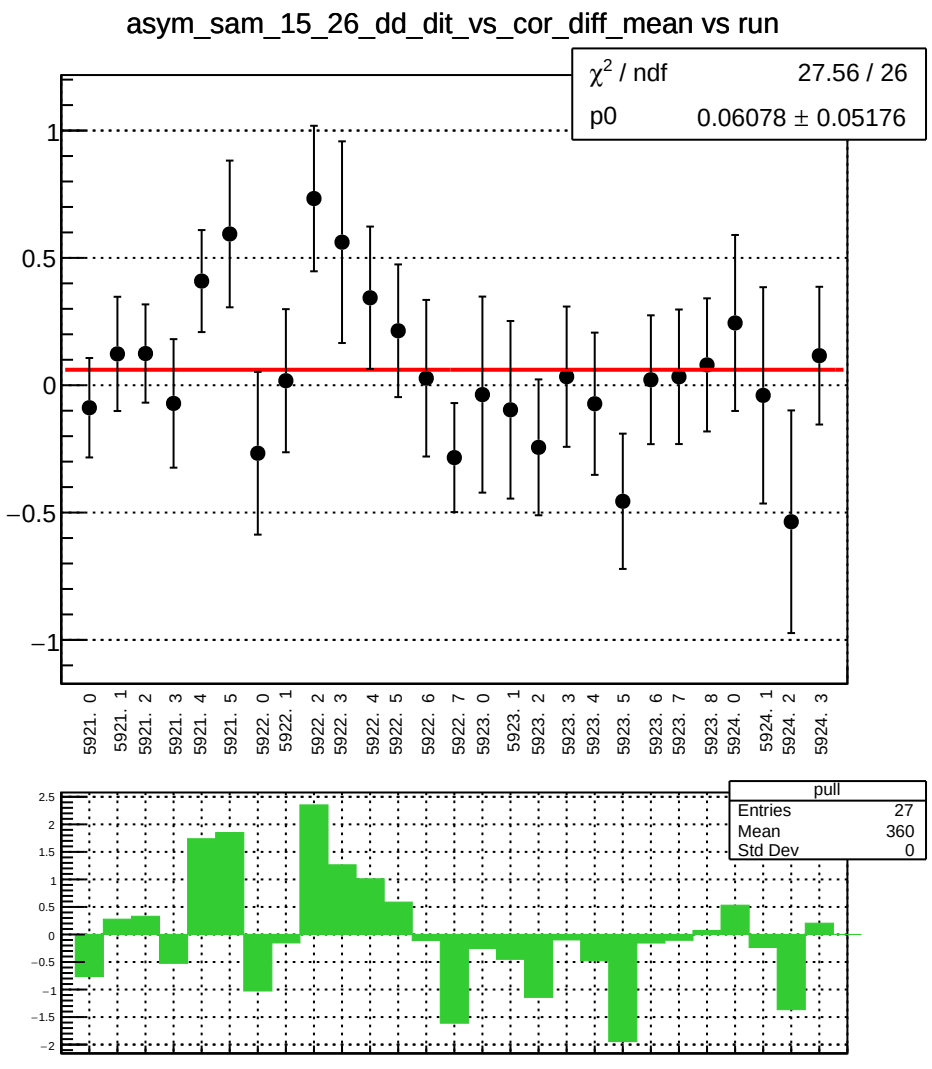

pull1D
Entries 27
Mean 0.01711
Std Dev 1.096
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

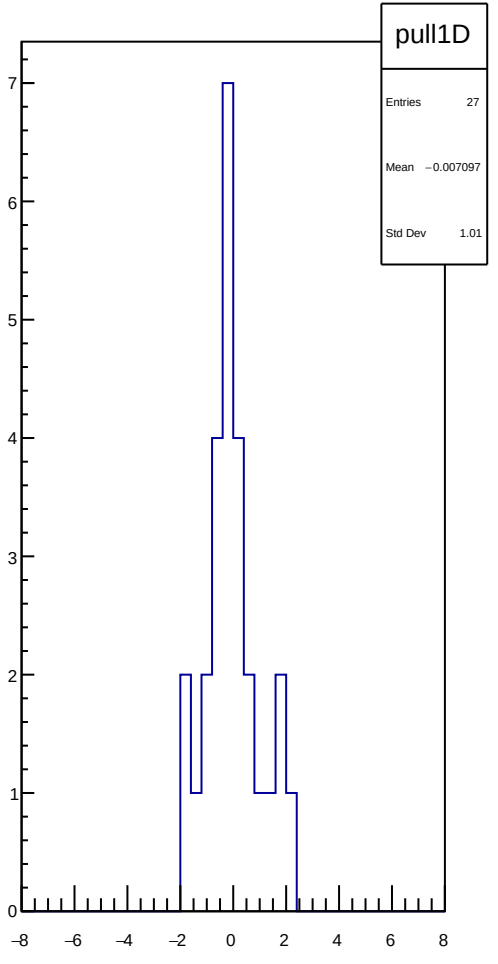

asym_sam_15_26_dd_rms vs run
χ^2 / ndf 831.2 / 26
p0 818.3 ± 1.139
900
880
860
840
820
800
780
760
740
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

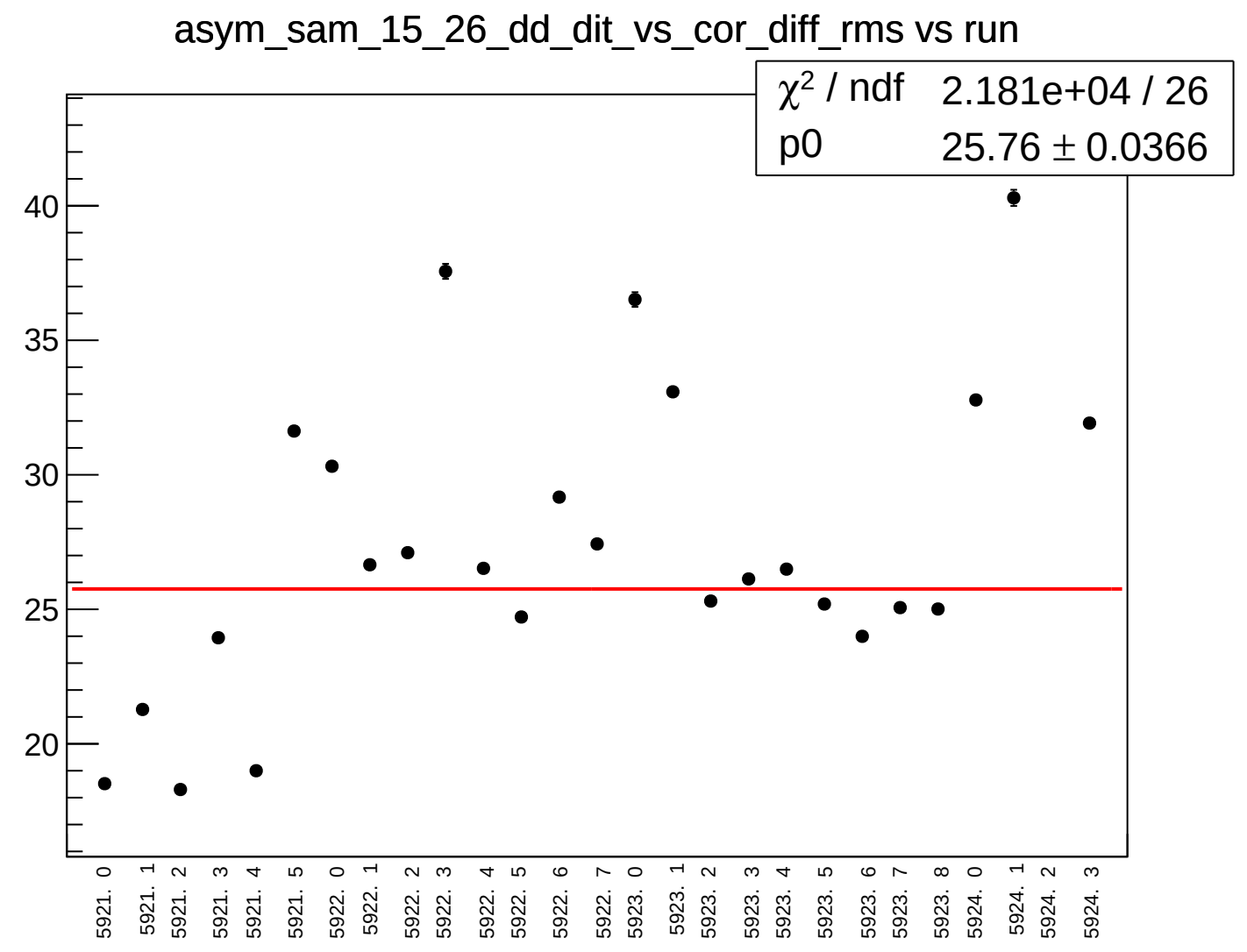

asym_sam_15_26_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 24.44 / 26
p0 1.114e−13 ± 1.021e−13
0.4
0.2
0
−0.2
−0.4
−0.6
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 16.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

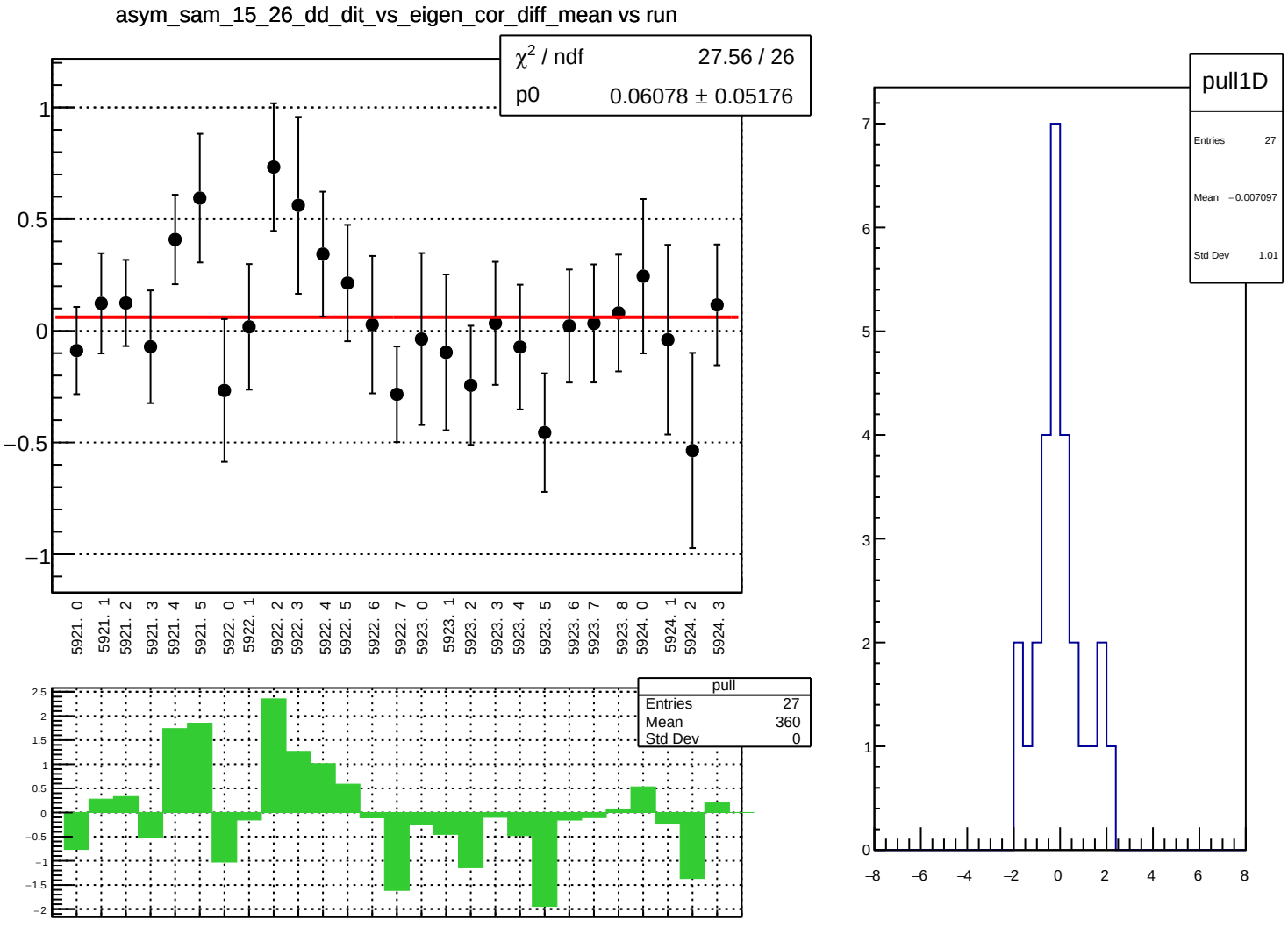

pull1D
Entries 27
Mean −0.1922
Std Dev 0.9319
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

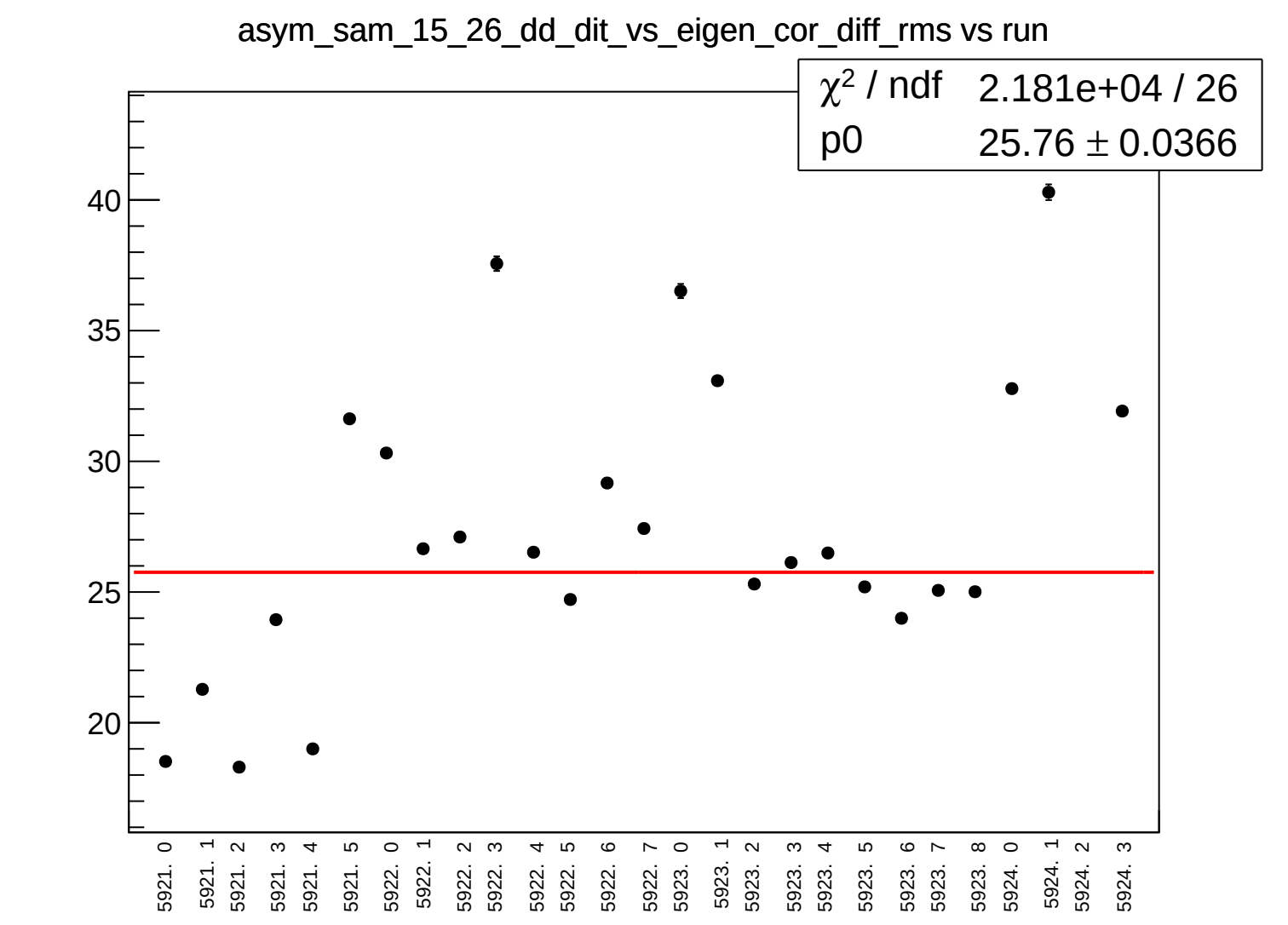

asym_sam_15_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.149e+05 / 26
p0 3.246e−11 ± 7.219e−14
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

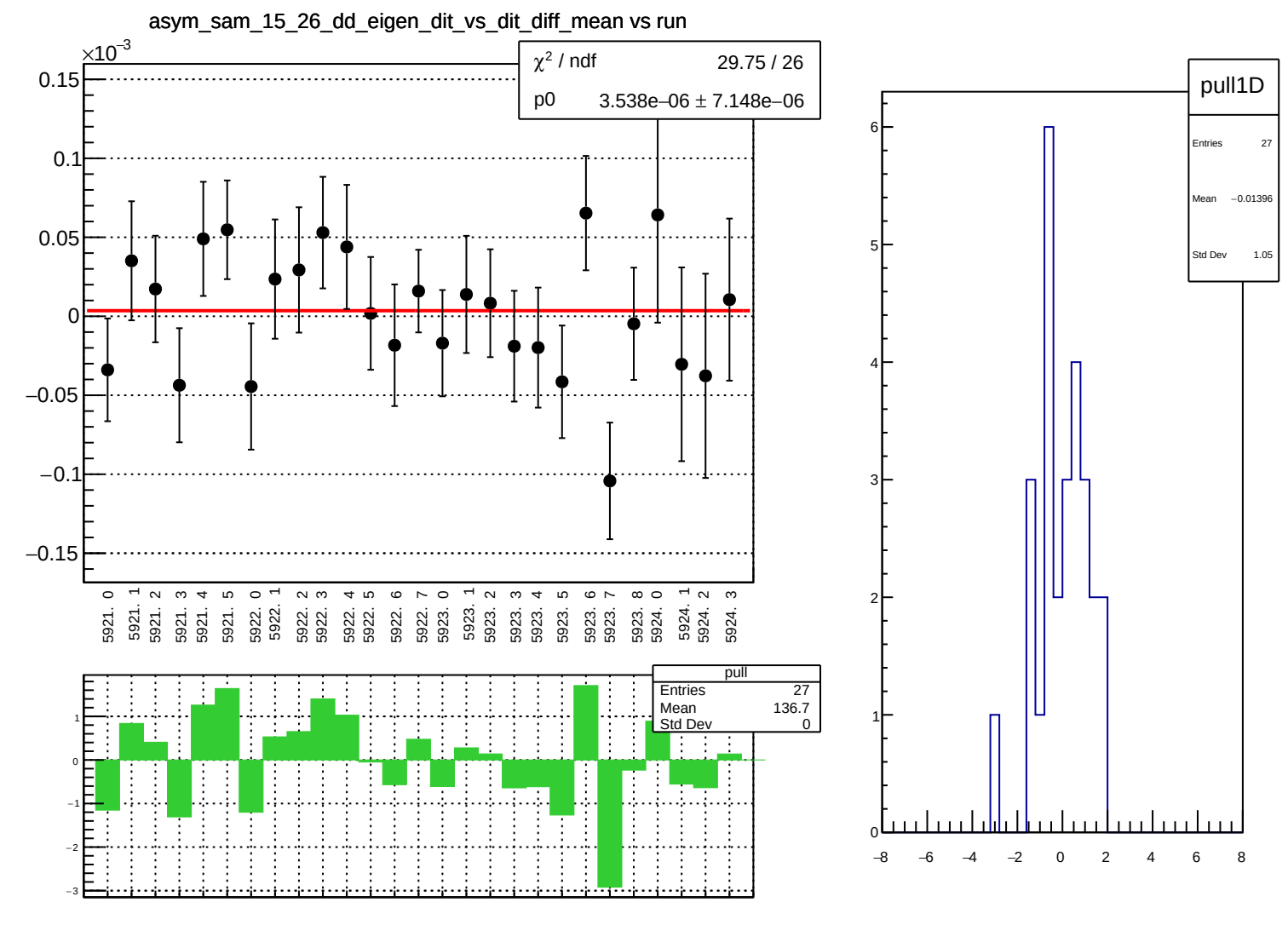

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 27.56 / 26
p0 0.06078 ± 0.05176
1
0.5
0
−0.5
−1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 360
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

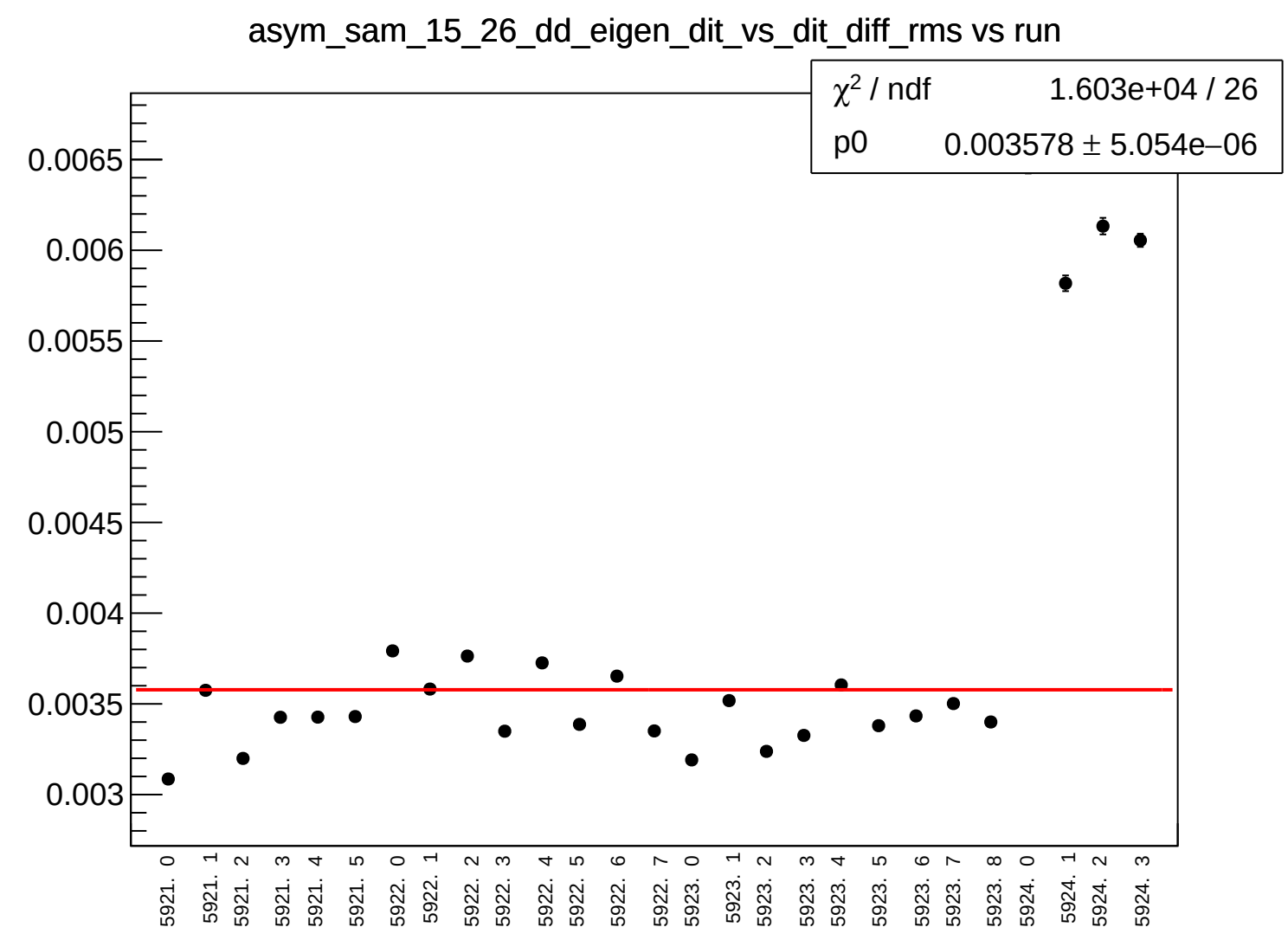

pull1D
Entries 27
Mean −0.007097
Std Dev 1.01
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

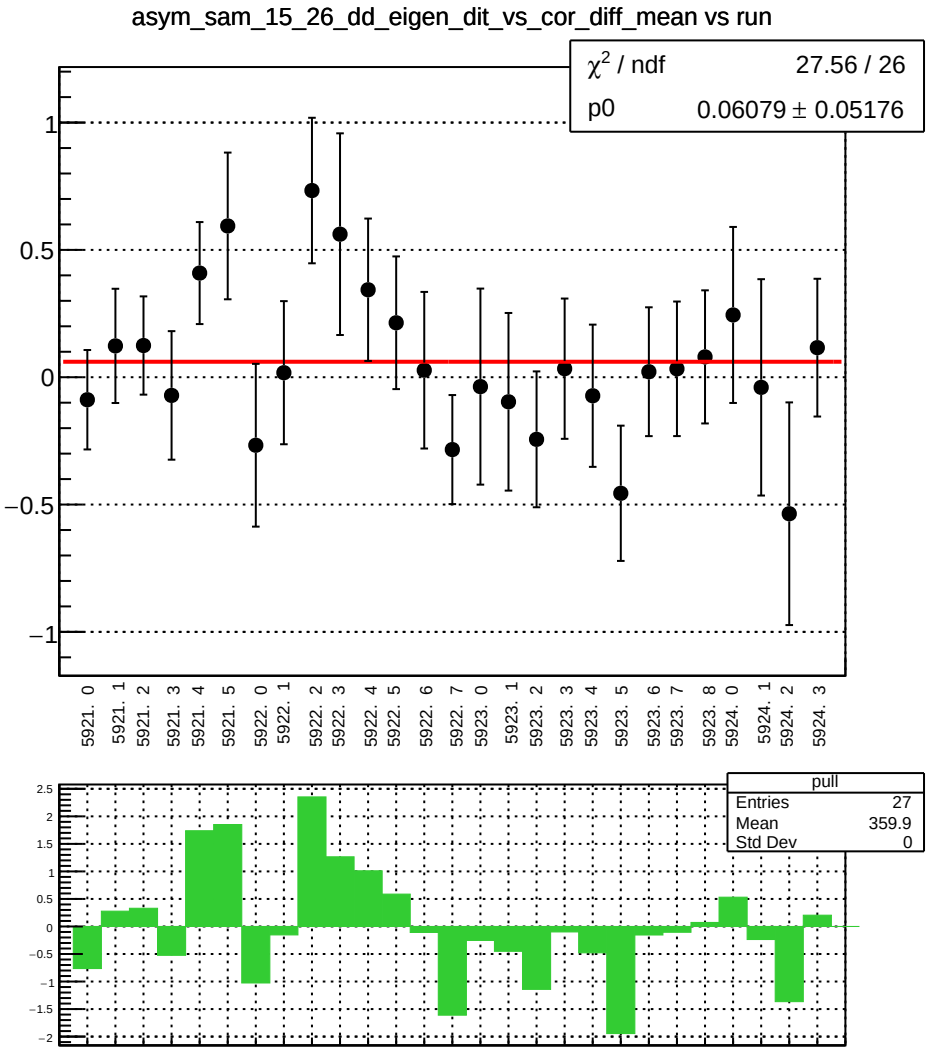

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.181e+04 / 26
p0 25.76 ± 0.0366
40
35
30
25
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

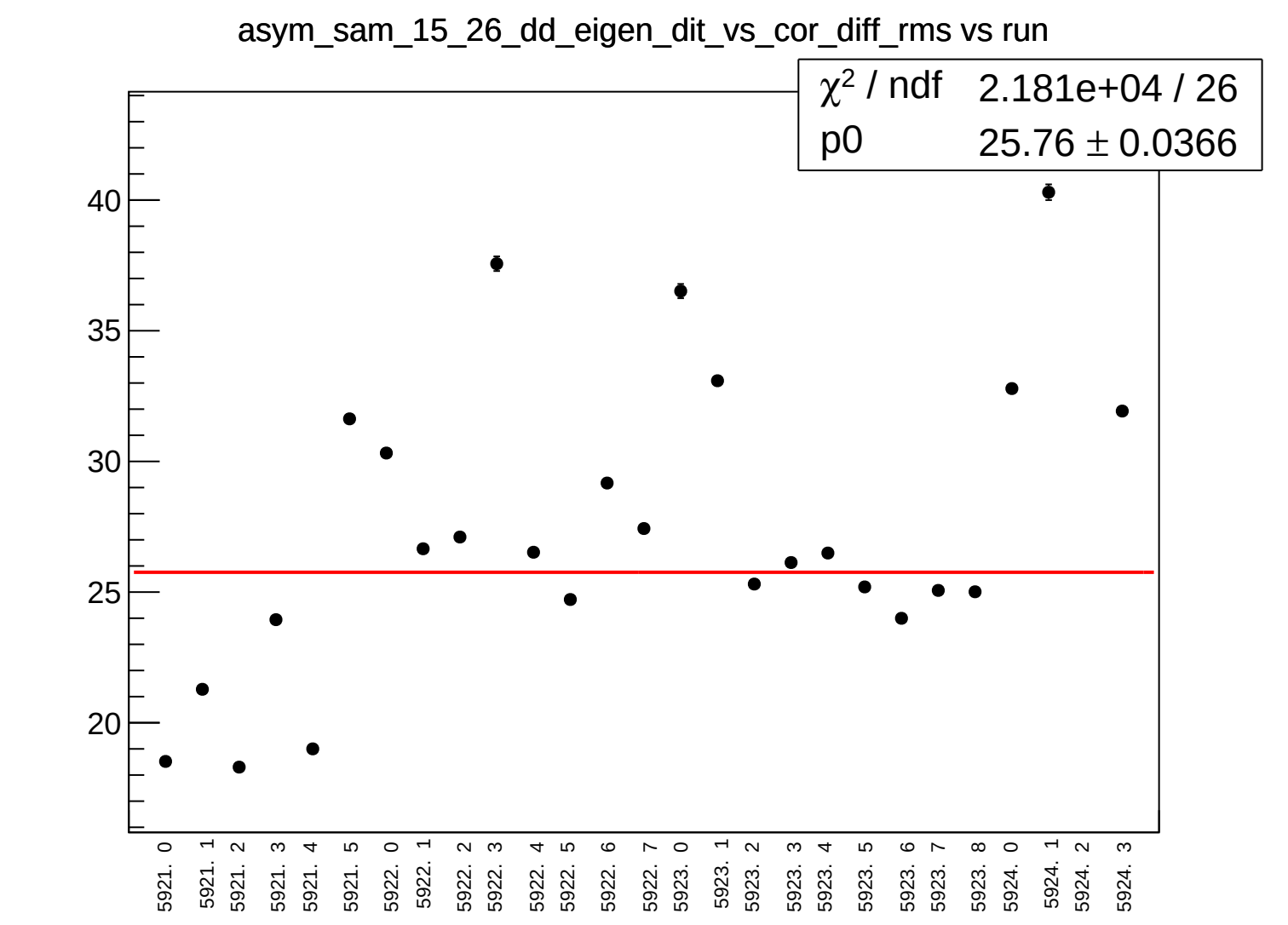

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 27.56 / 26
p0 0.06078 ± 0.05176
1
0.5
0
−0.5
−1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 360
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.007097
Std Dev 1.01
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

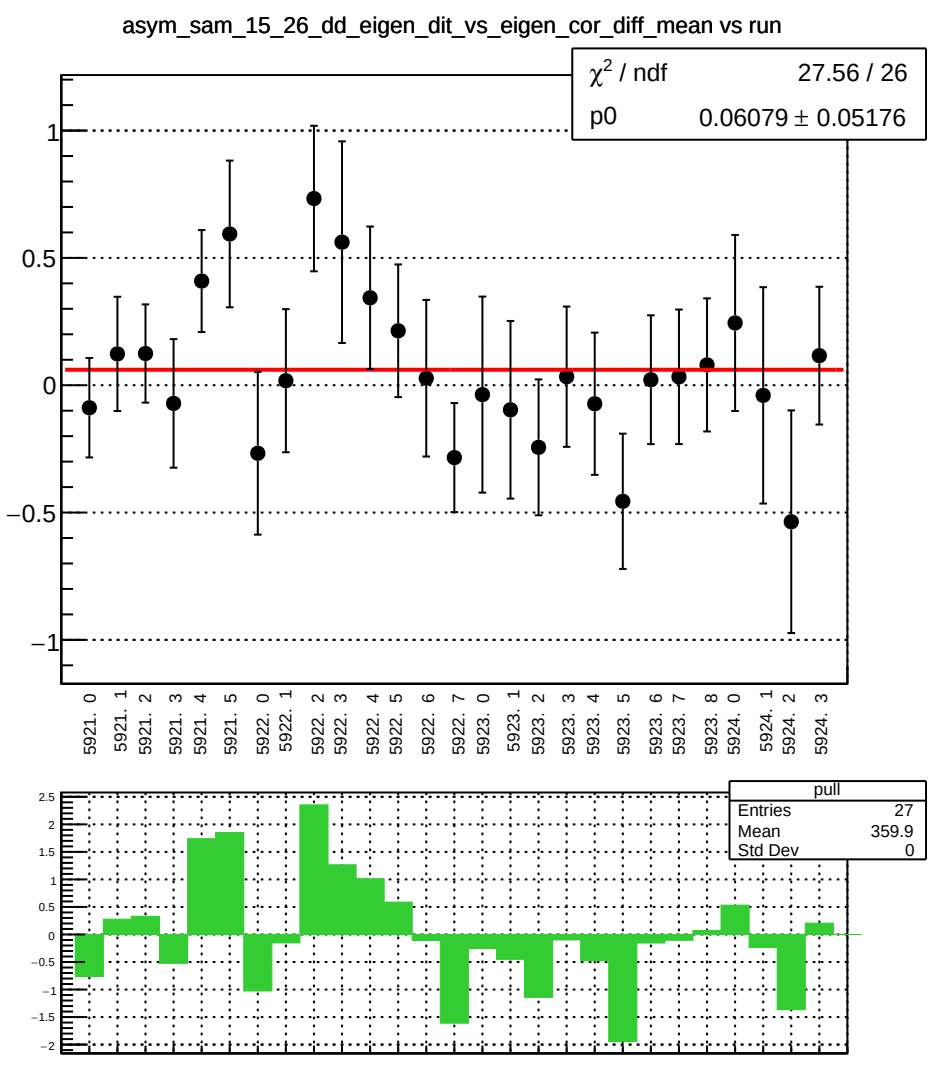

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.181e+04 / 26
p0 25.76 ± 0.0366
40
35
30
25
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

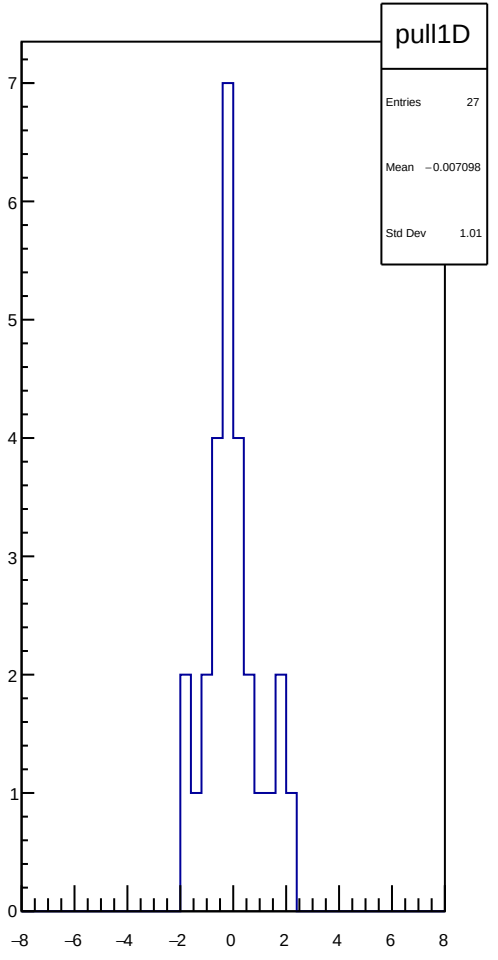

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 29.75 / 26
p0 3.538e−06 ± 7.148e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 136.7
Std Dev 0
pull1D
Entries 27
Mean −0.01396
Std Dev 1.05

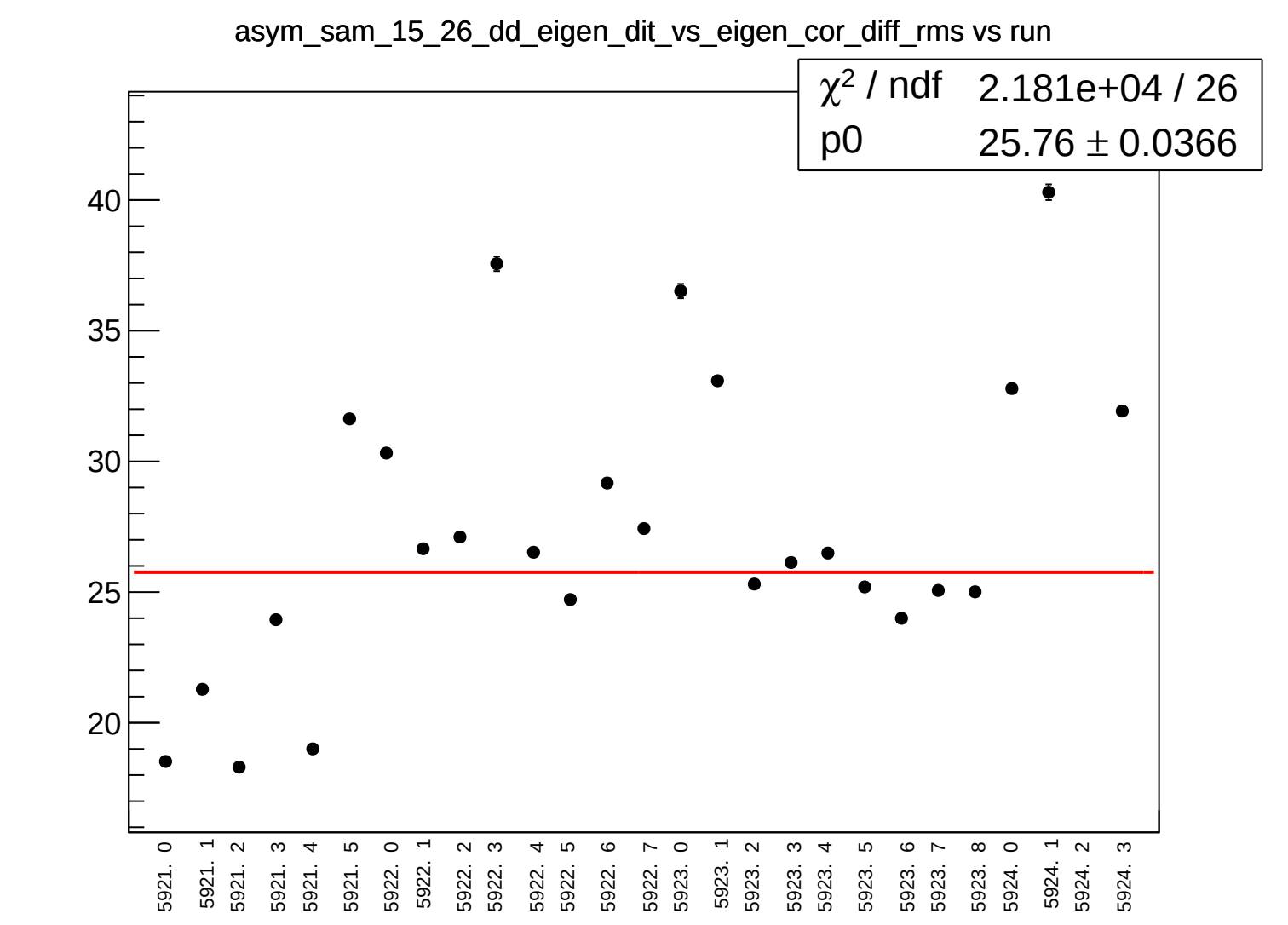

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.603e+04 / 26
p0 0.003578 ± 5.054e−06
0.0065
0.006
0.0055
0.005
0.0045
0.004
0.0035
0.003
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

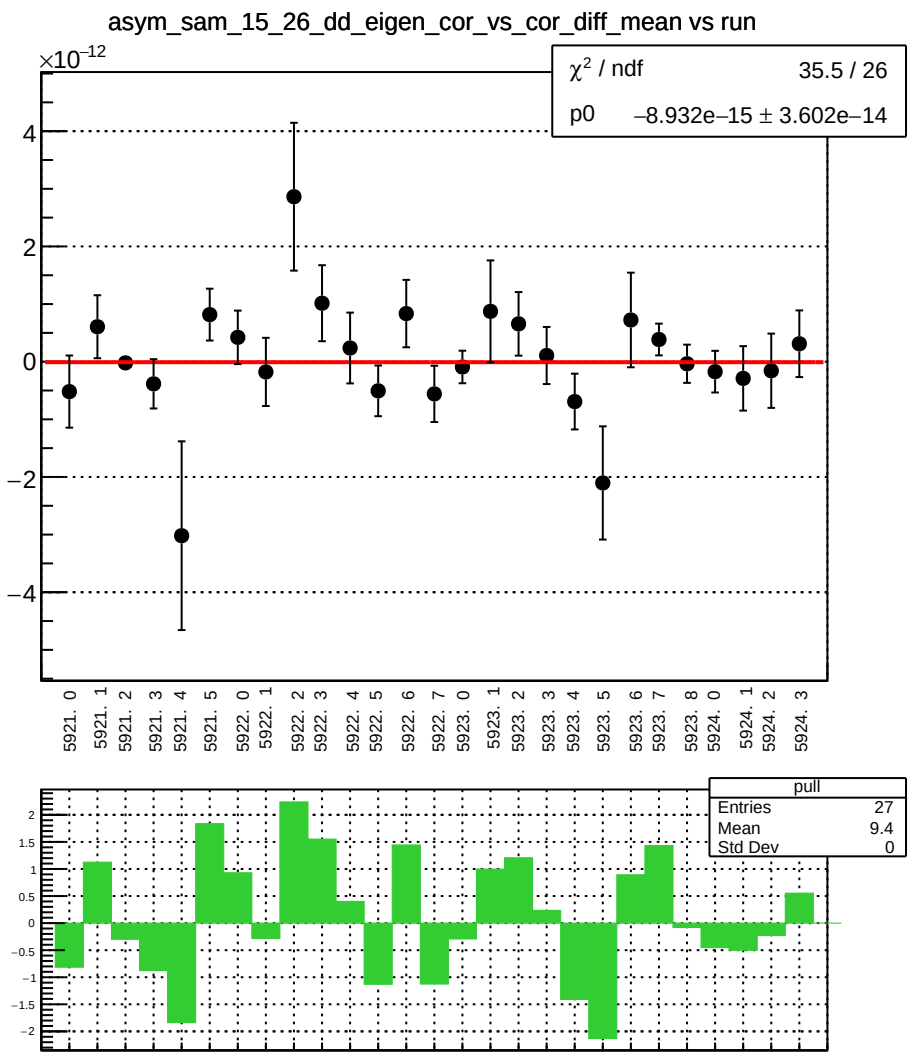

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 27.56 / 26
p0 0.06079 ± 0.05176
1
0.5
0
−0.5
−1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 359.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.007098
Std Dev 1.01
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

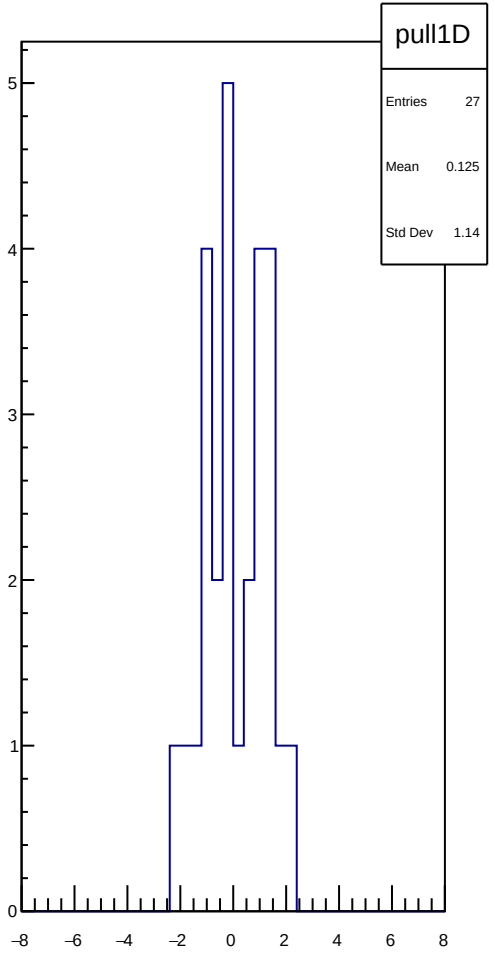

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.181e+04 / 26
p0 25.76 ± 0.0366
40
35
30
25
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

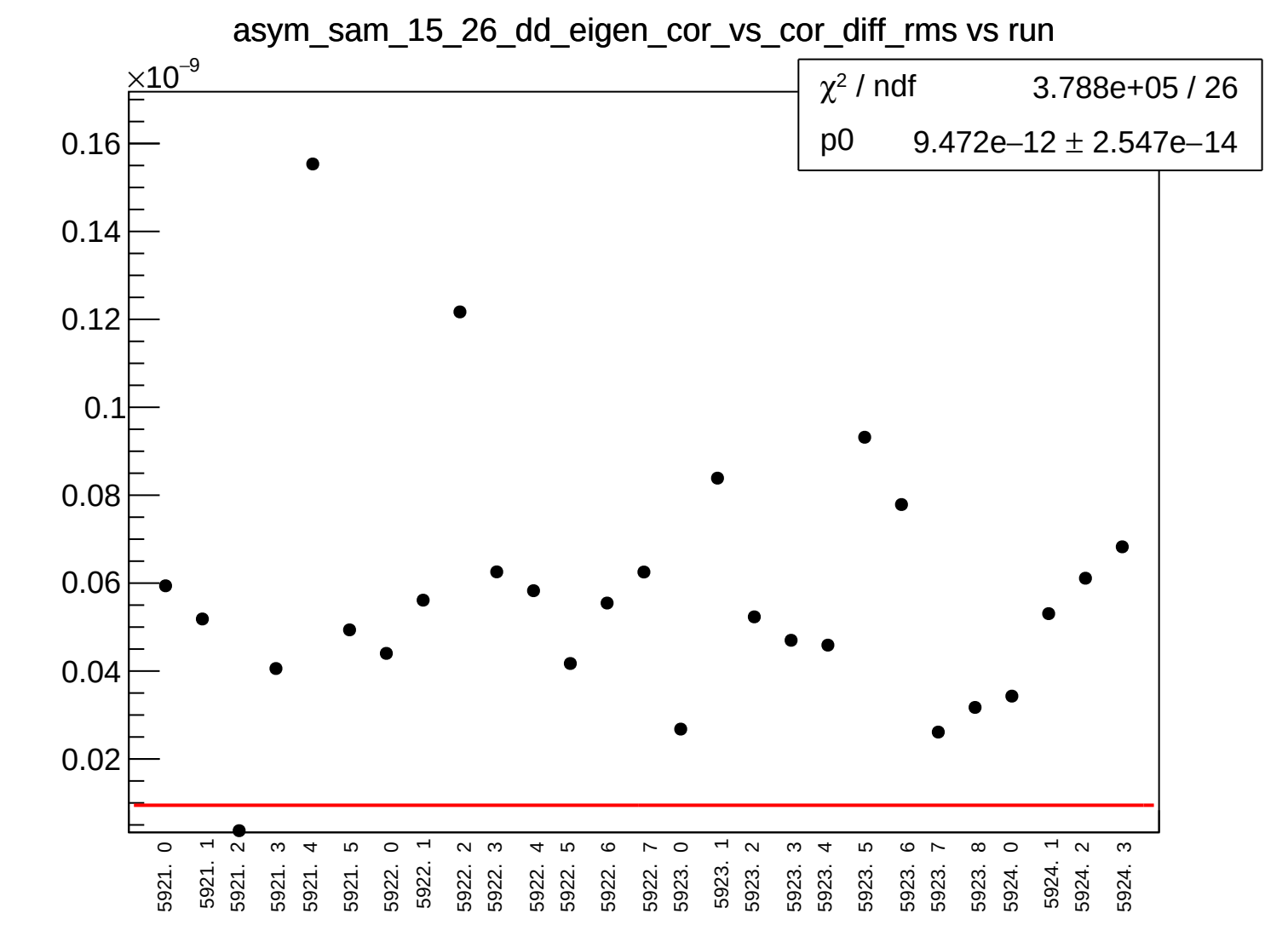

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 27.56 / 26
p0 0.06079 ± 0.05176
1
0.5
0
−0.5
−1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 359.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

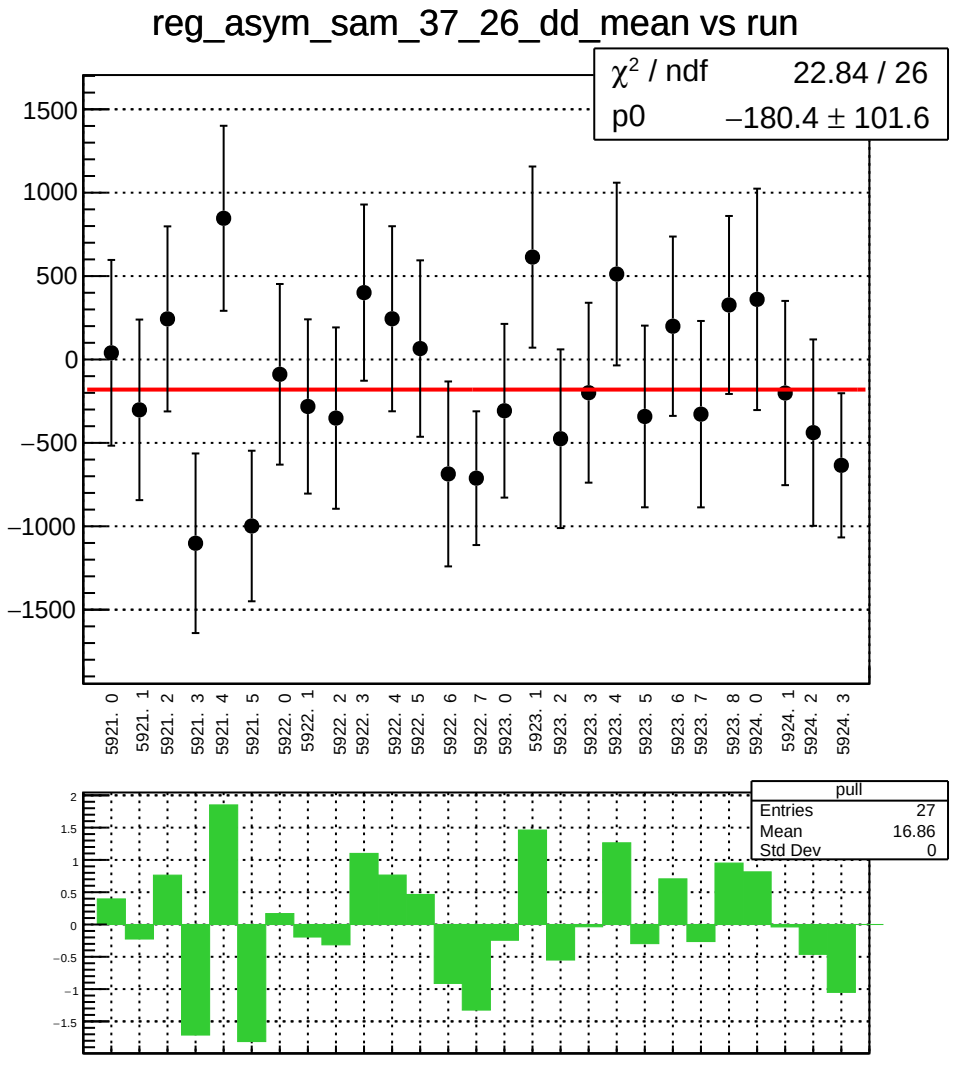

pull1D
Entries 27
Mean −0.007098
Std Dev 1.01
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

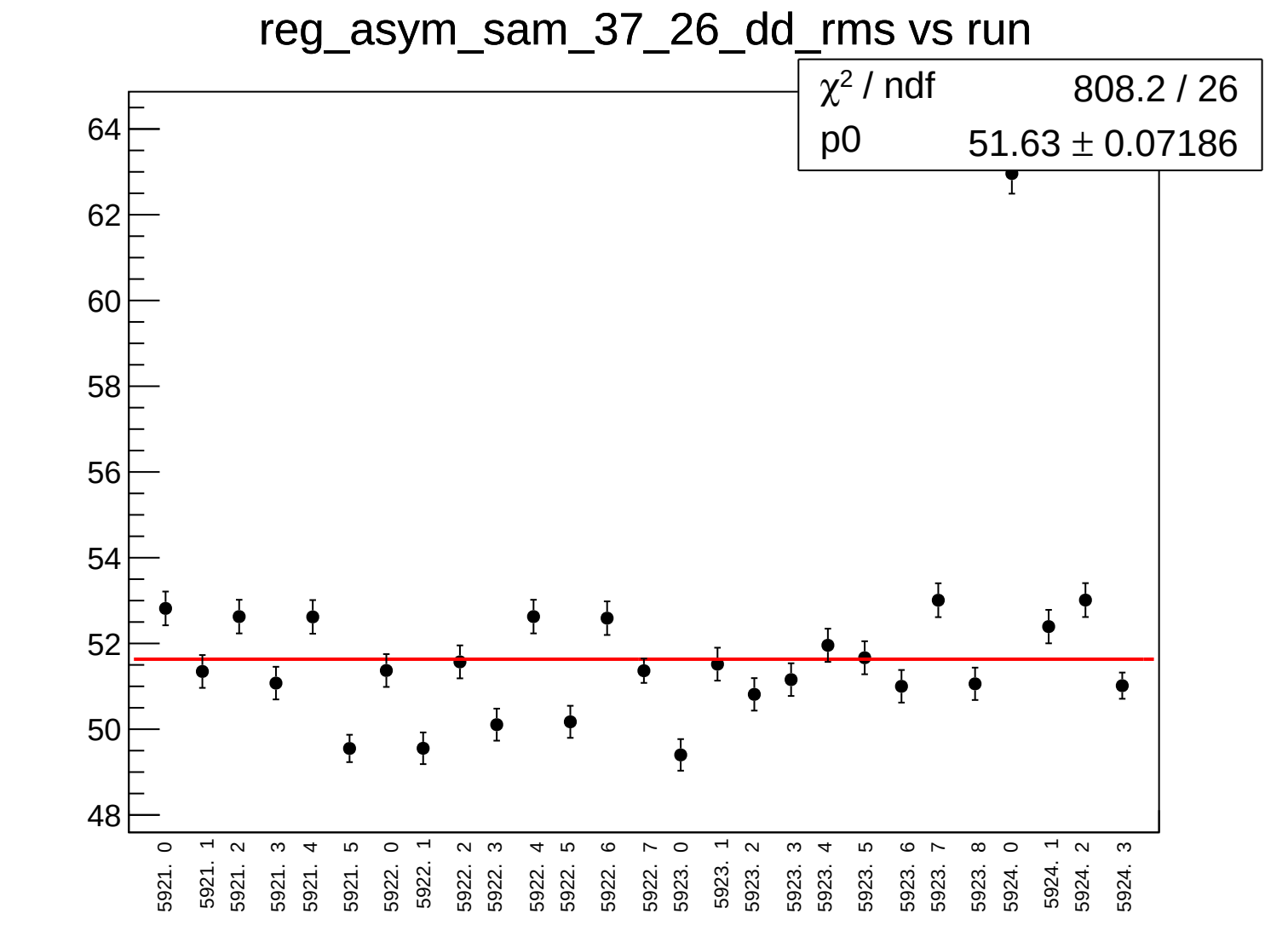

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.181e+04 / 26
p0 25.76 ± 0.0366
40
35
30
25
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

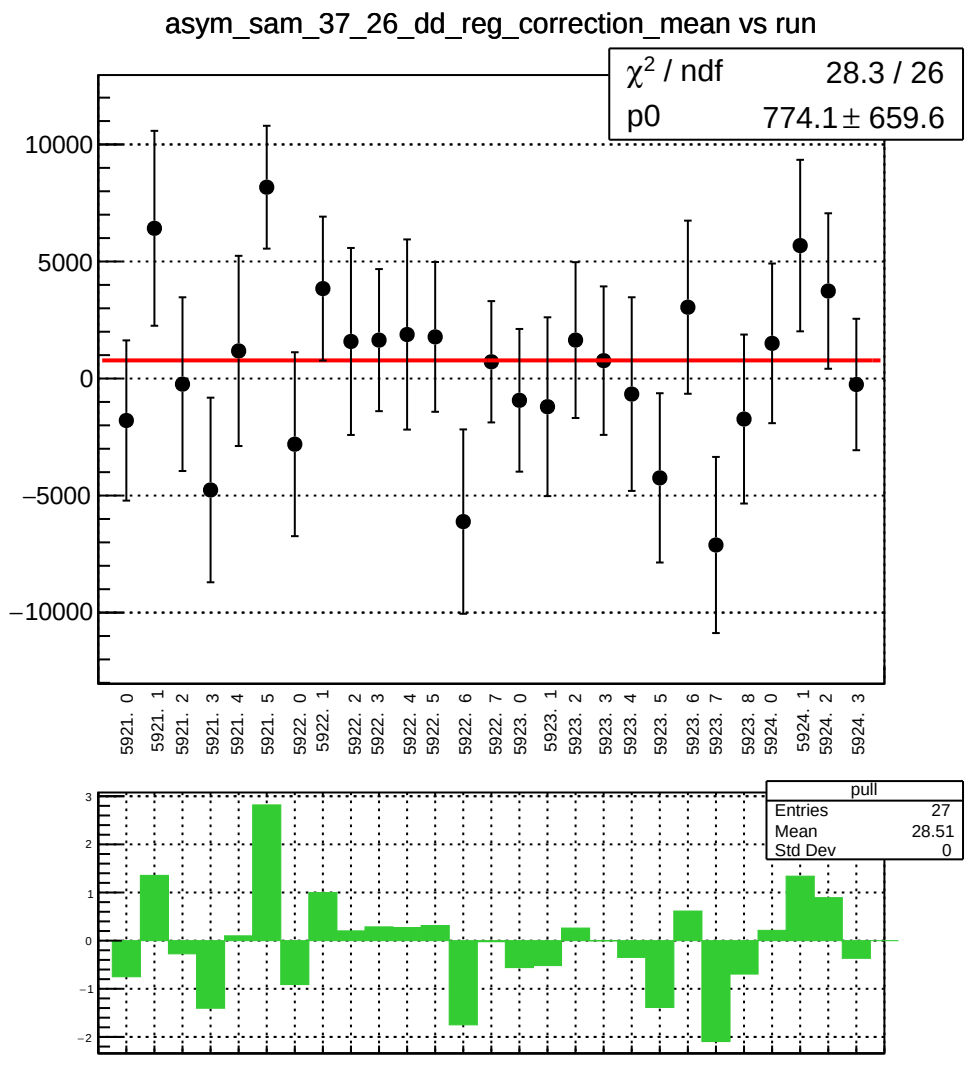

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 35.5 / 26
p0 −8.932e−15 ± 3.602e−14
4
2
0
−2
−4
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 9.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

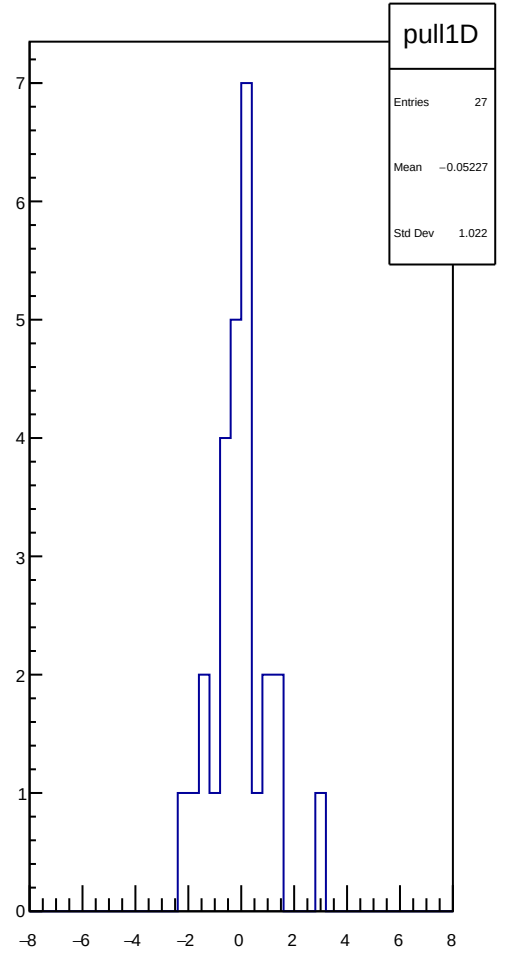

pull1D
Entries 27
Mean 0.125
Std Dev 1.14
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

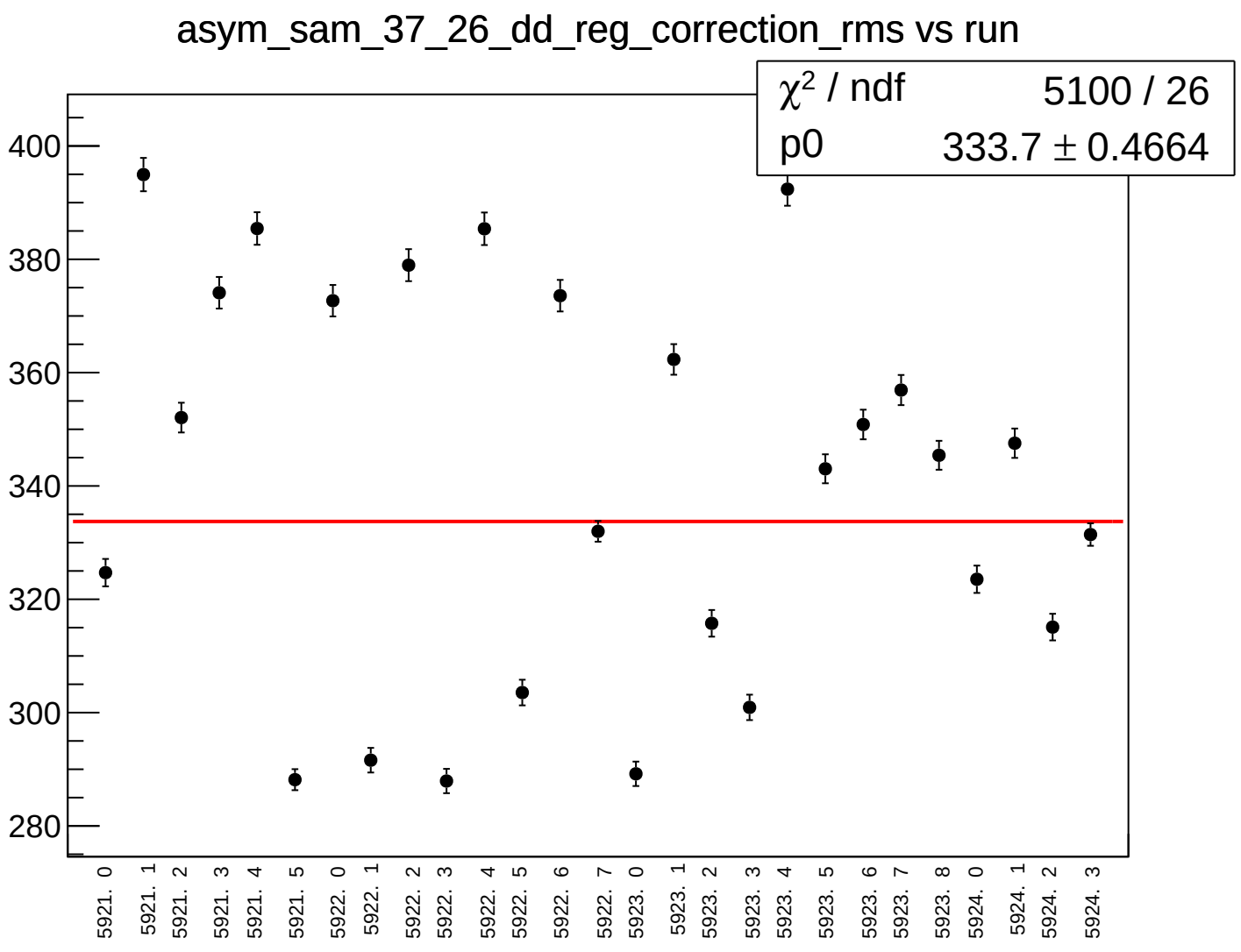

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.788e+05 / 26
p0 9.472e−12 ± 2.547e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


reg_asym_sam_37_26_dd_mean vs run
χ² / ndf 22.84 / 26
p0 −180.4 ± 101.6
1500
1000
500
0
−500
−1000
−1500
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 16.86
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.0474
Std Dev 0.9186
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam_37_26_dd_rms vs run
χ^2 / ndf 808.2 / 26
p0 51.63 ± 0.07186
64
62
60
58
56
54
52
50
48
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


asym_sam_37_26_dd_reg_correction_mean vs run
χ² / ndf 28.3 / 26
p0 774.1 ± 659.6
10000
5000
0
−5000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 28.51
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 27
Mean −0.05227
Std Dev 1.022
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_26_dd_reg_correction_rms vs run
χ² / ndf 5100 / 26
p0 333.7 ± 0.4664
400
380
360
340
320
300
280
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
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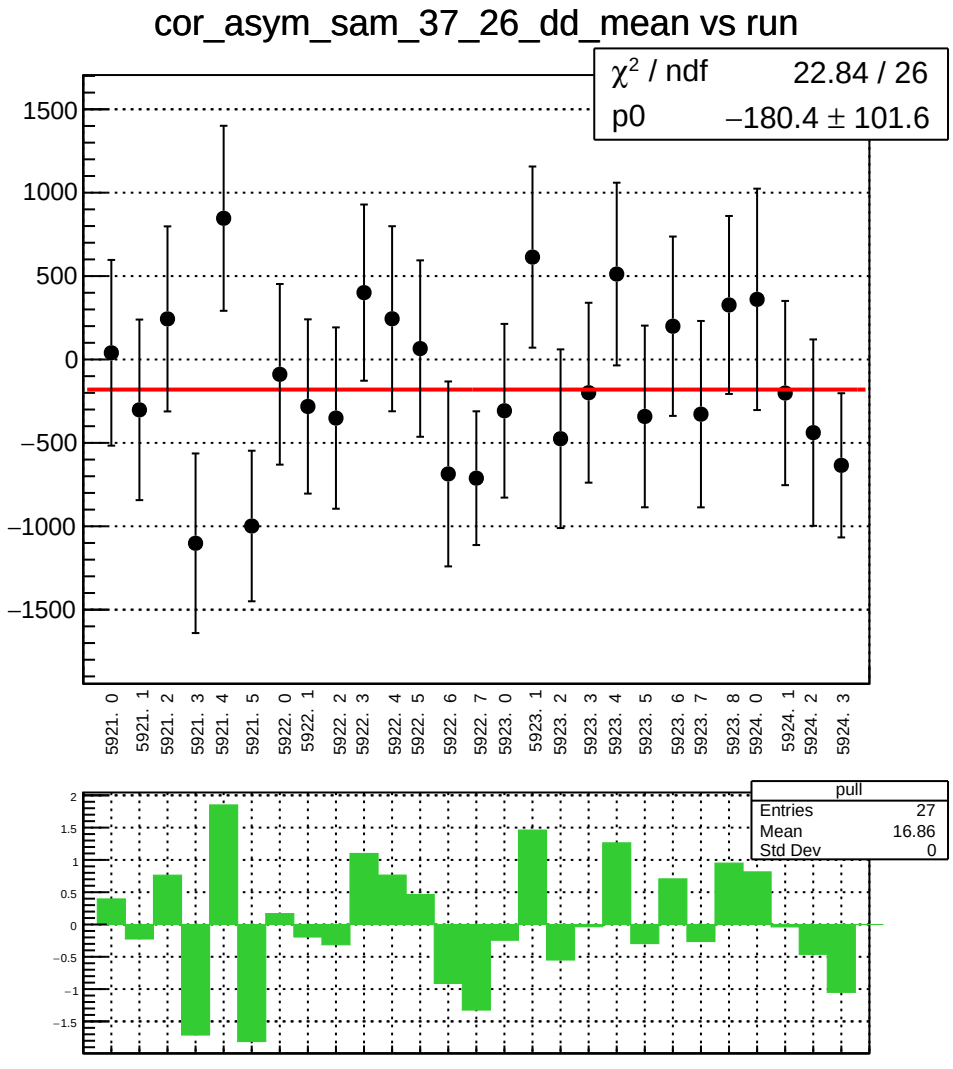
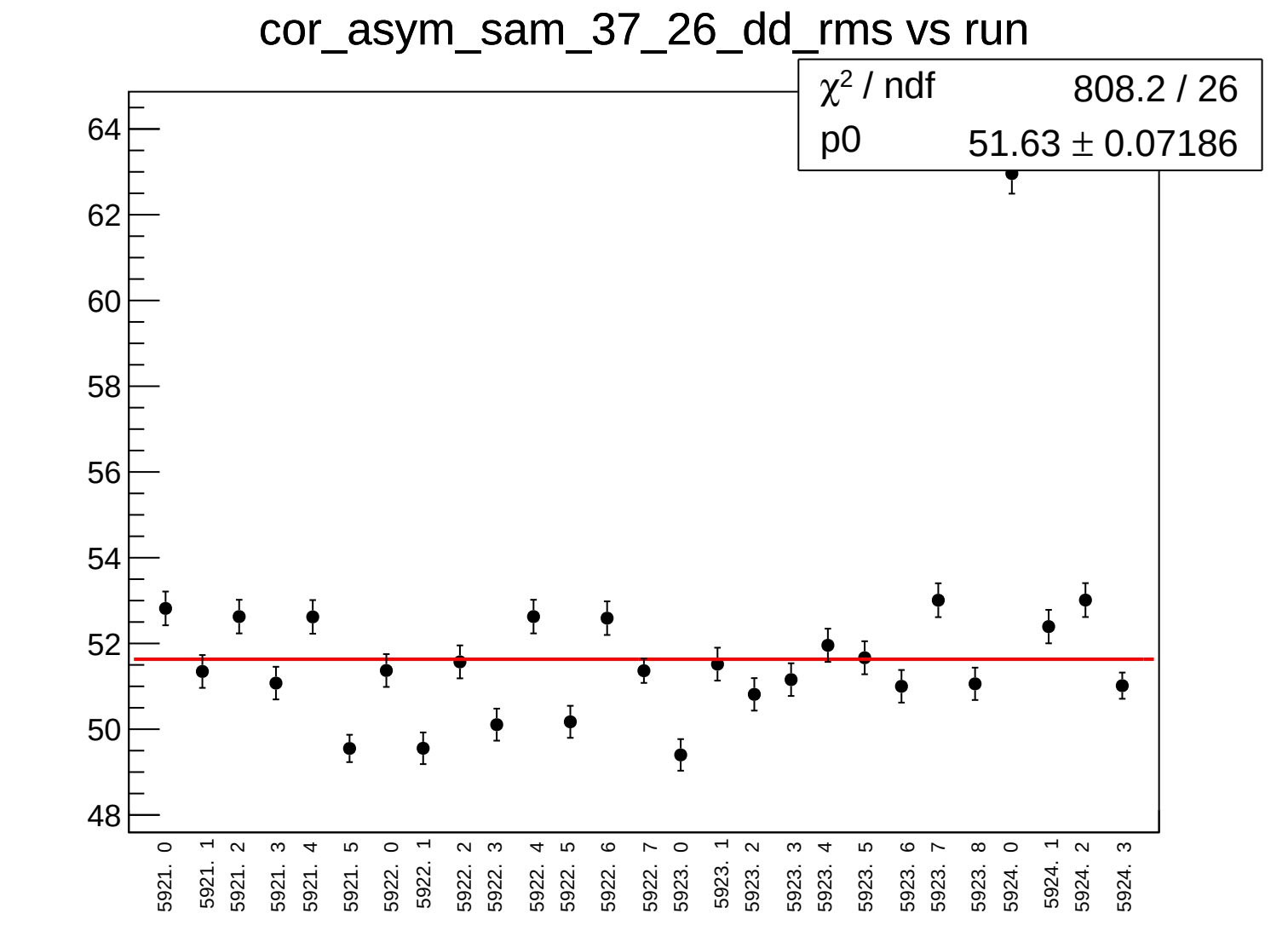
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


cor_asym_sam_37_26_dd_mean vs run
χ² / ndf 22.84 / 26
p0 −180.4 ± 101.6
1500
1000
500
0
−500
−1000
−1500
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 16.86
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.0474
Std Dev 0.9186
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam_37_26_dd_rms vs run
χ² / ndf 808.2 / 26
p0 51.63 ± 0.07186
64
62
60
58
56
54
52
50
48
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
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5922. 6
5922. 7
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5923. 1
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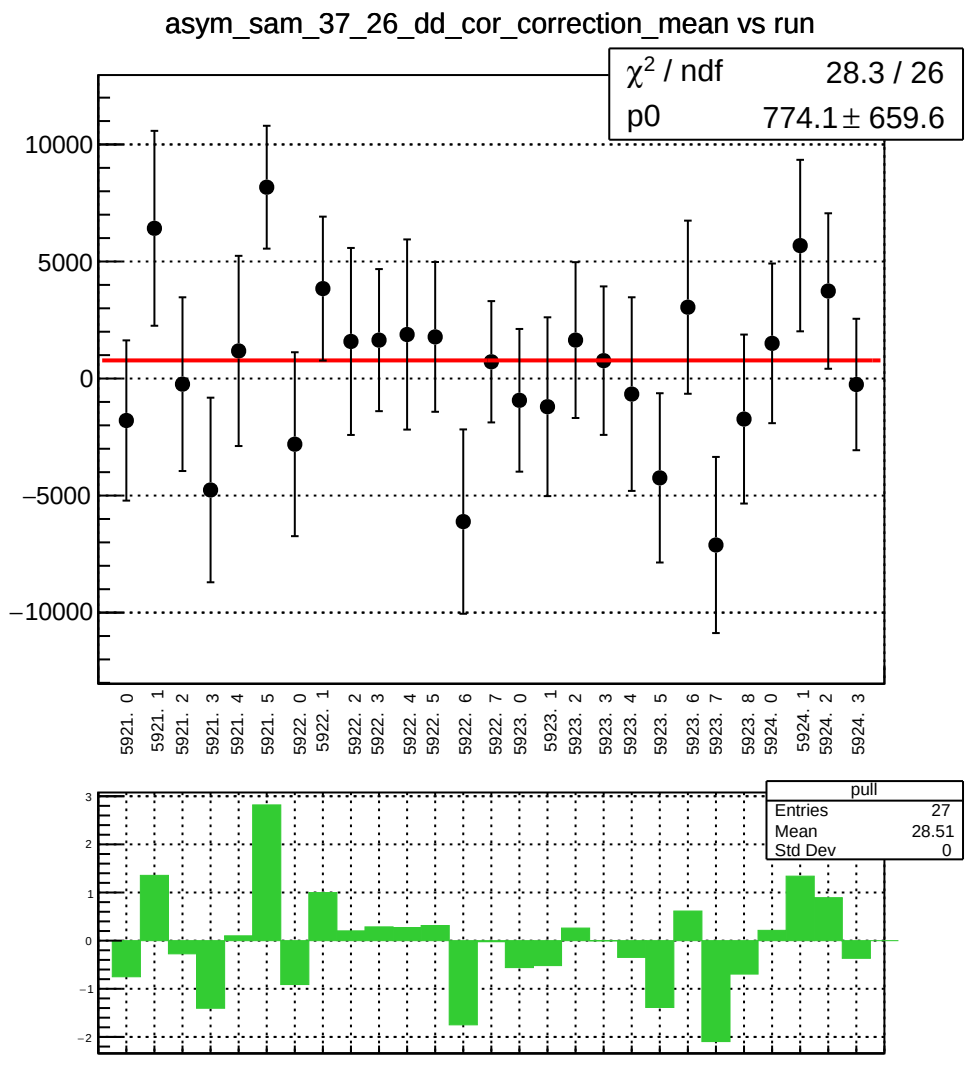
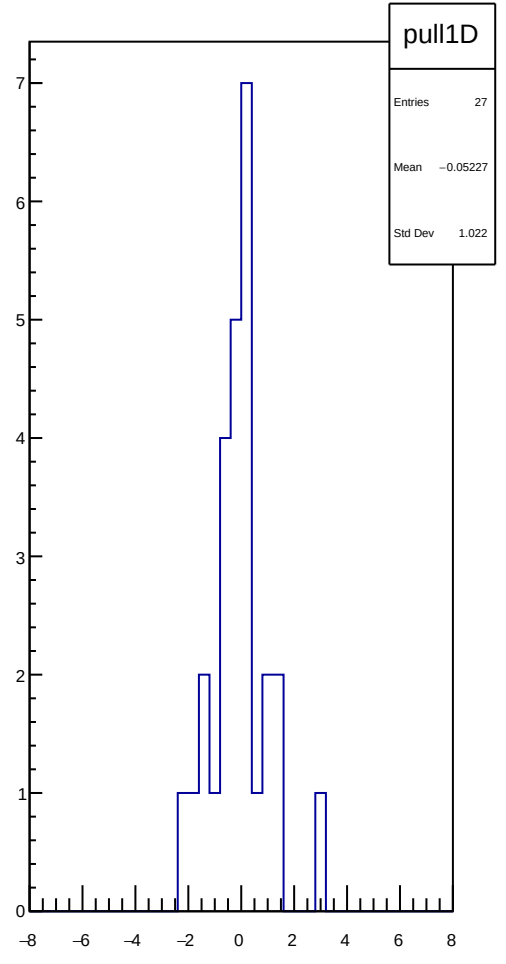
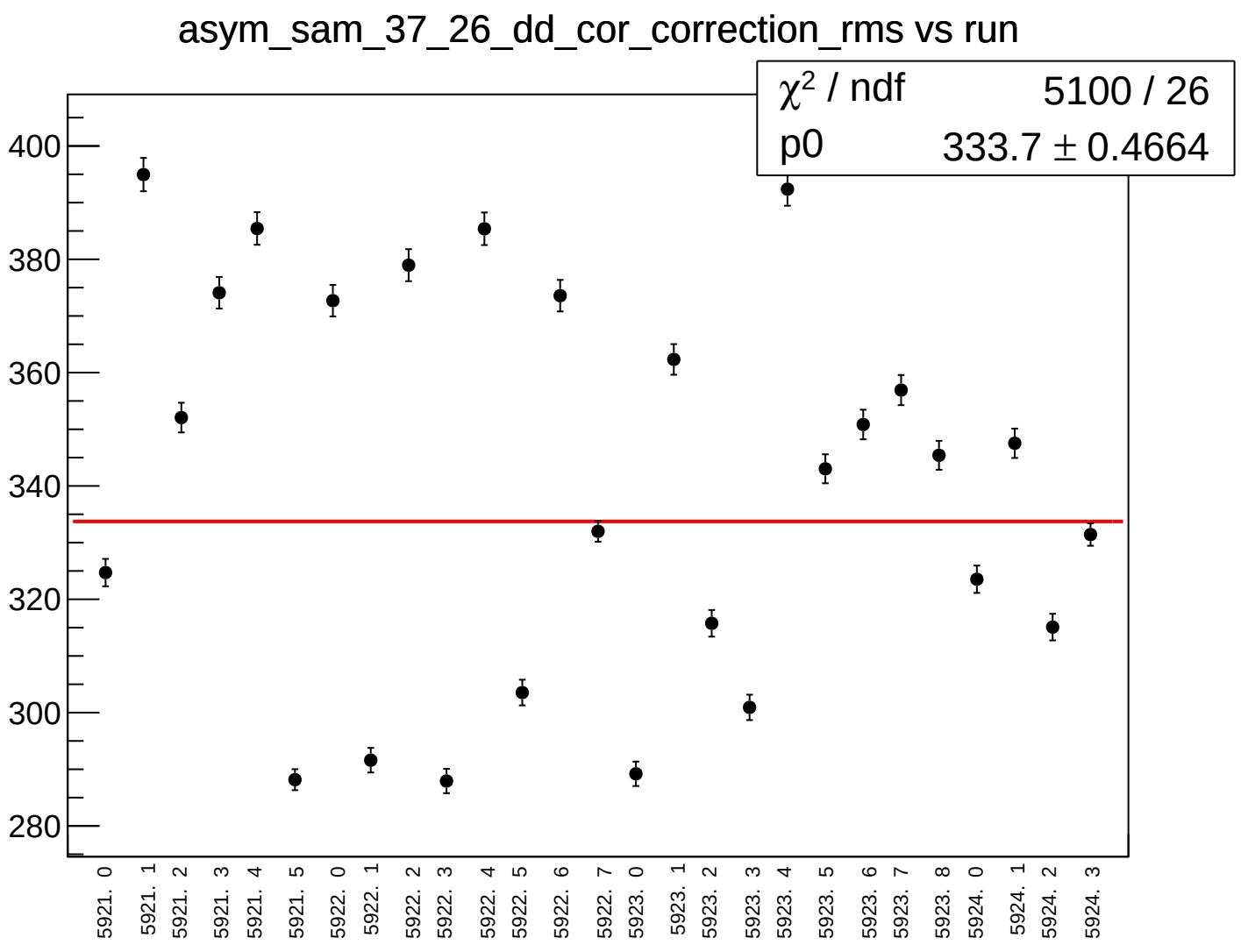
5924. 3


asym_sam_37_26_dd_cor_correction_mean vs run
χ² / ndf 28.3 / 26
p0 774.1 ± 659.6
10000
5000
0
−5000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 28.51
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 27
Mean −0.05227
Std Dev 1.022
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_26_dd_cor_correction_rms vs run
χ² / ndf 5100 / 26
p0 333.7 ± 0.4664
400
380
360
340
320
300
280
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
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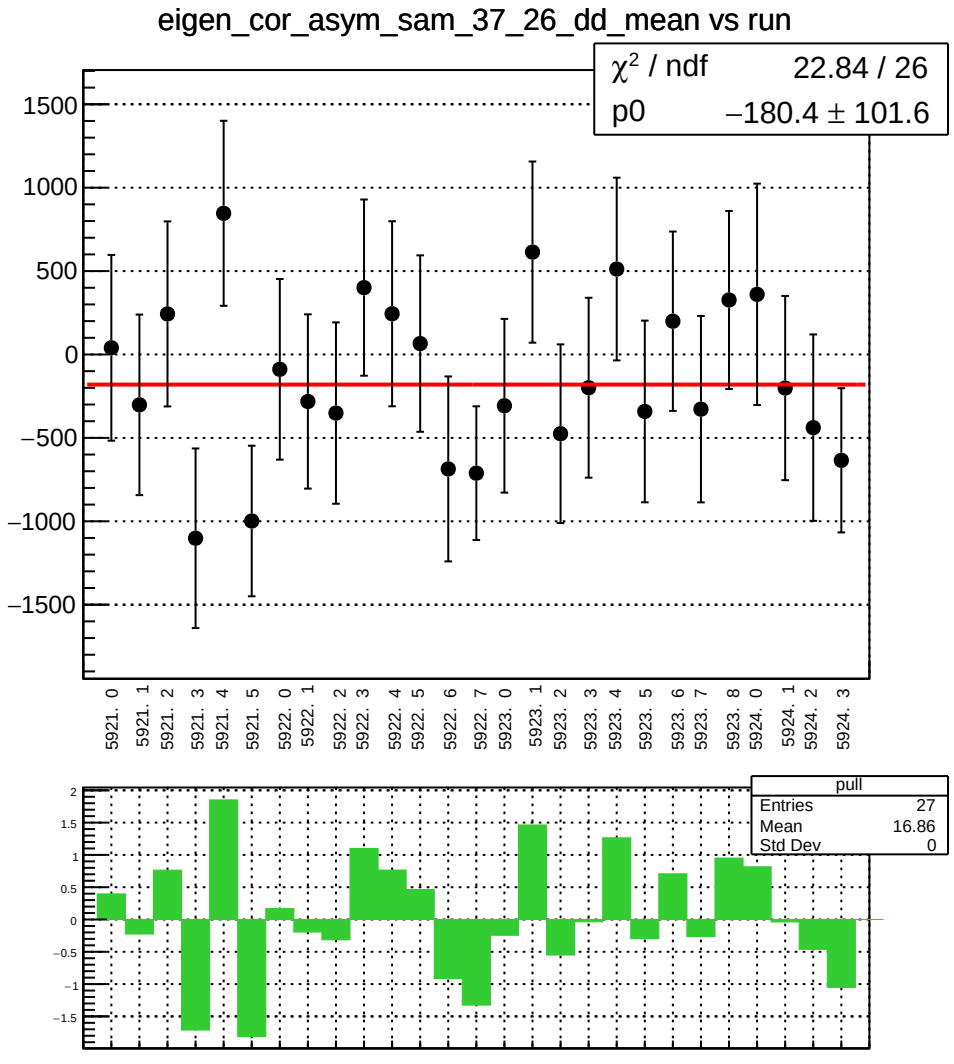
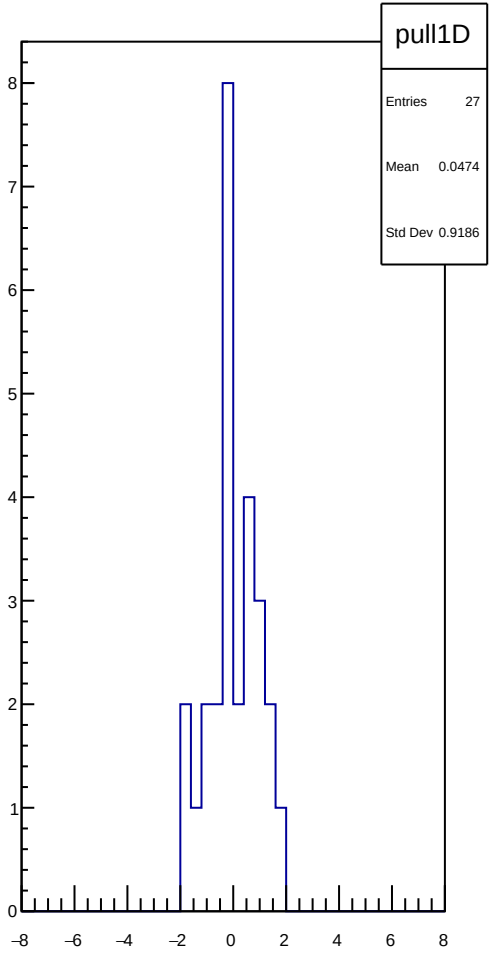
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


eigen_cor_asym_sam_37_26_dd_mean vs run
χ² / ndf 22.84 / 26
p0 −180.4 ± 101.6
1500
1000
500
0
−500
−1000
−1500
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 16.86
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 27
Mean 0.0474
Std Dev 0.9186
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7
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5
4
3
2
1
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−8
−6
−4
−2
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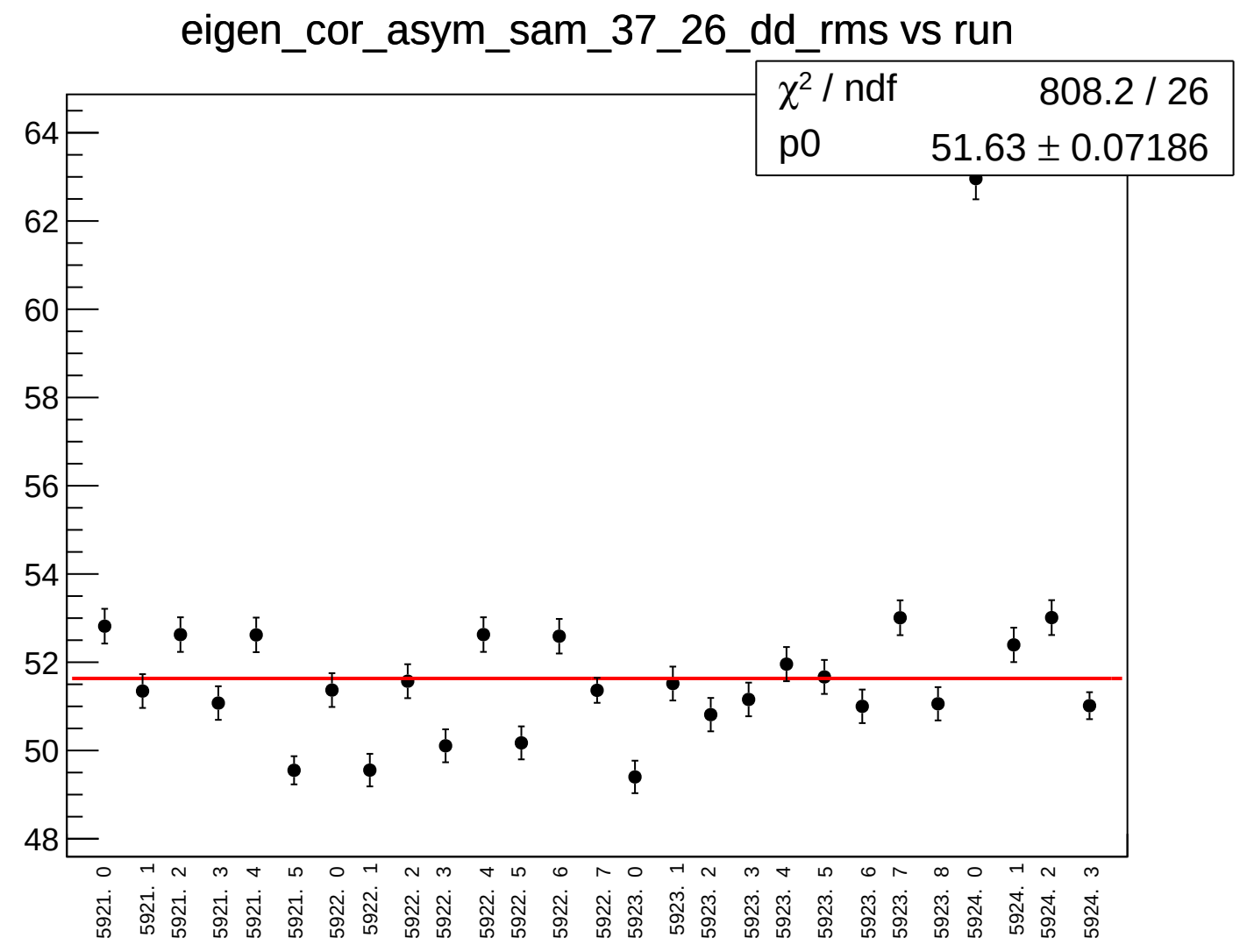
2
4
6
8


eigen_cor_asym_sam_37_26_dd_rms vs run
χ² / ndf 808.2 / 26
p0 51.63 ± 0.07186
64
62
60
58
56
54
52
50
48
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
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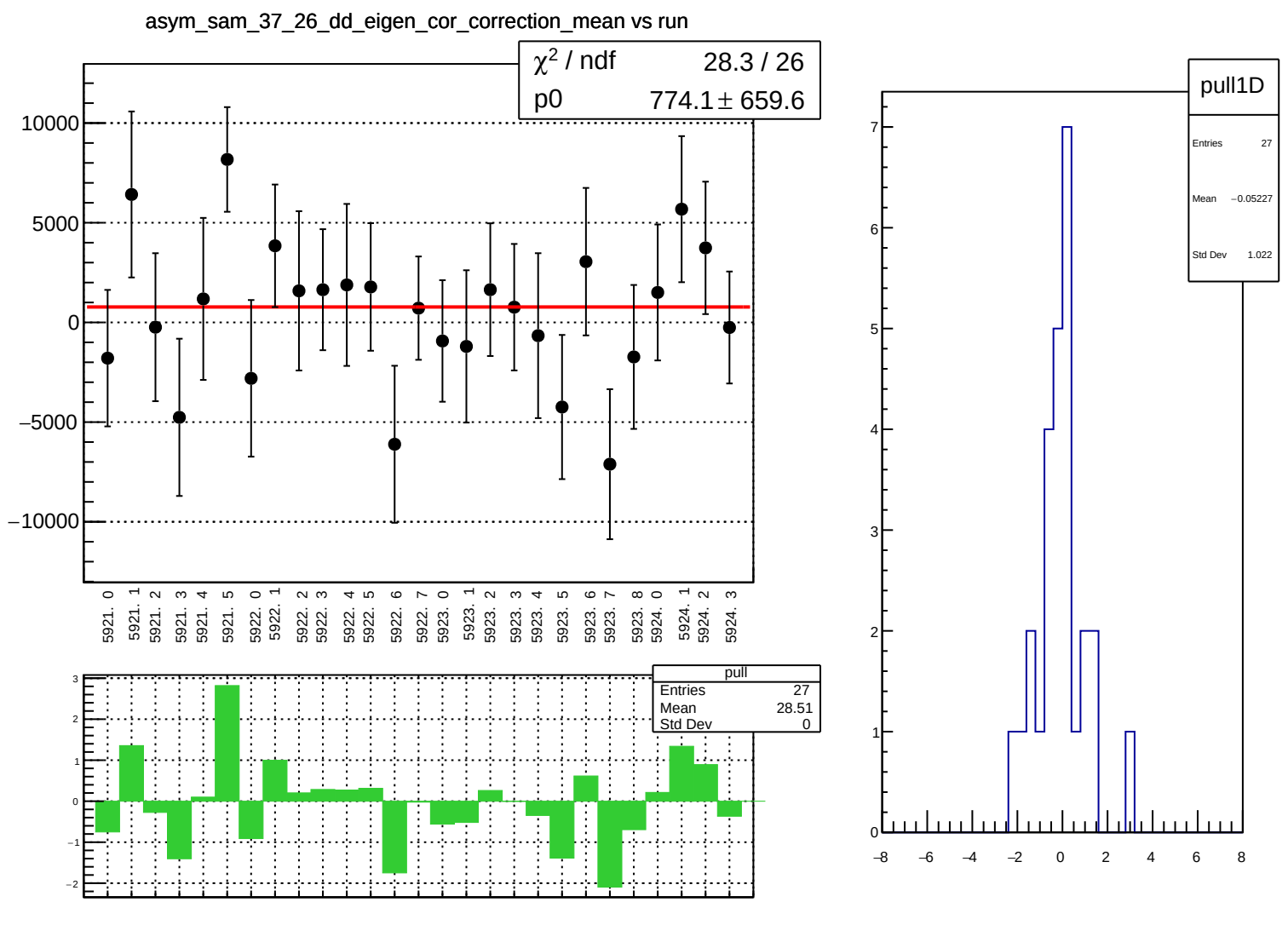
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


asym_sam_37_26_dd_eigen_cor_correction_mean vs run
χ² / ndf 28.3 / 26
p0 774.1 ± 659.6
10000
5000
0
−5000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
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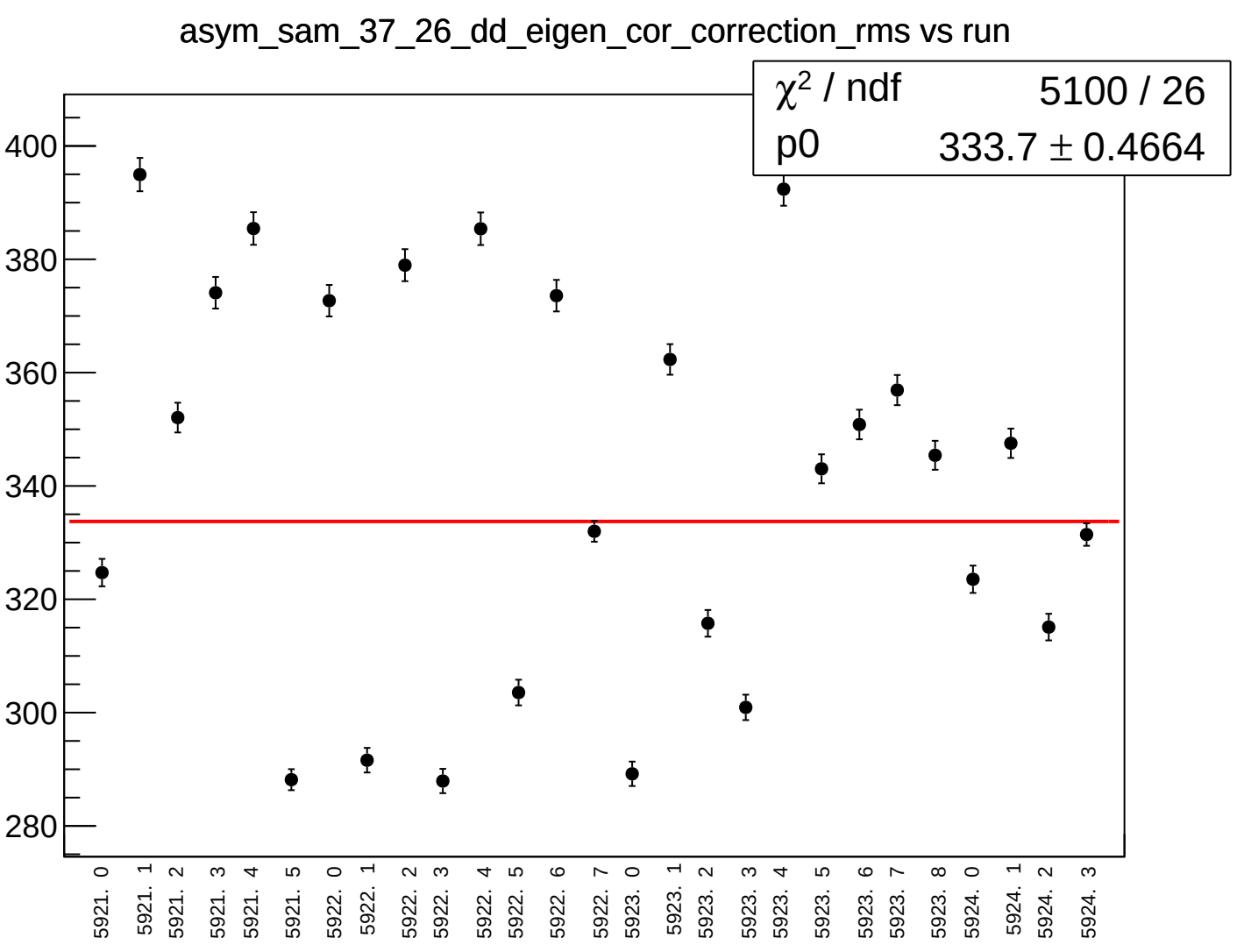
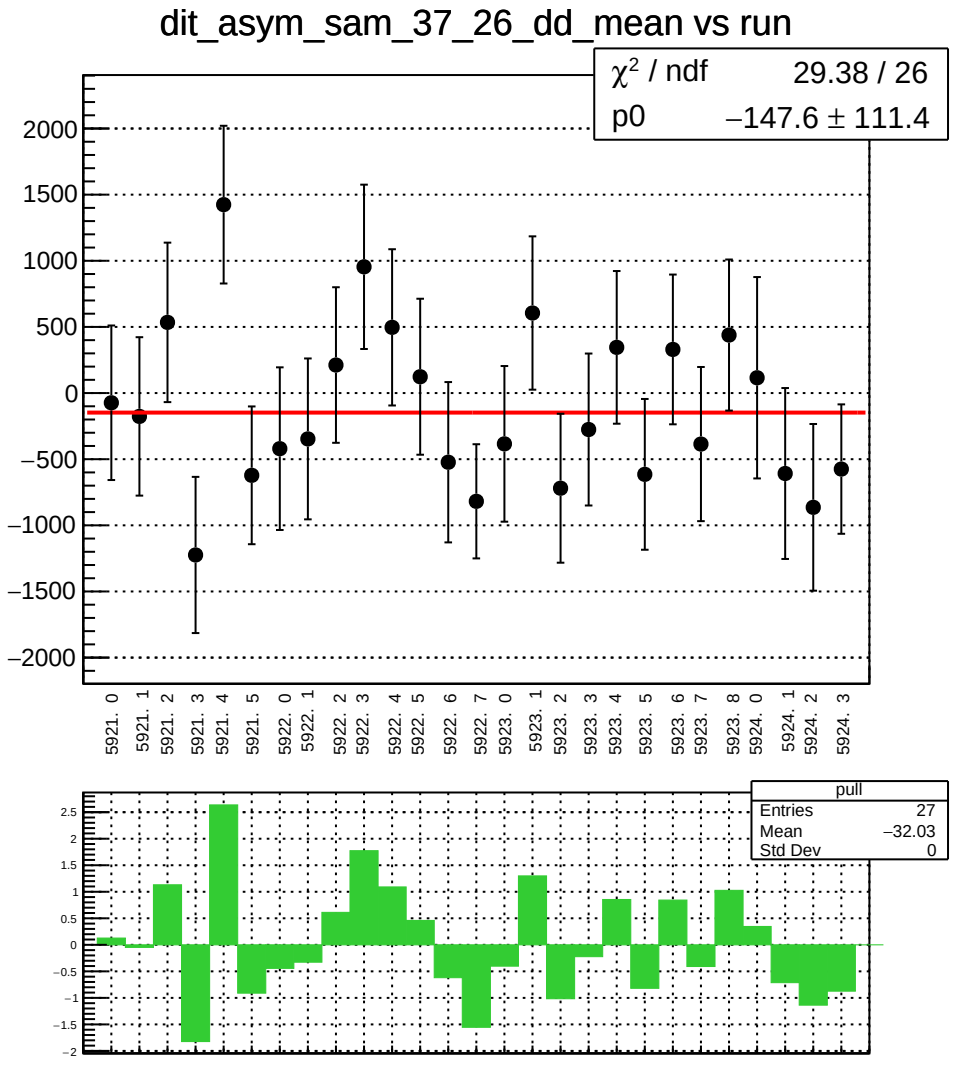
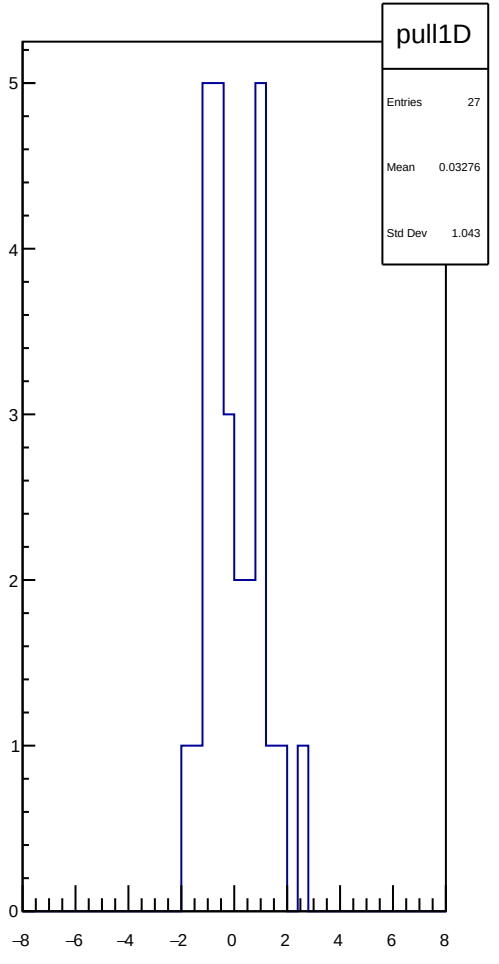
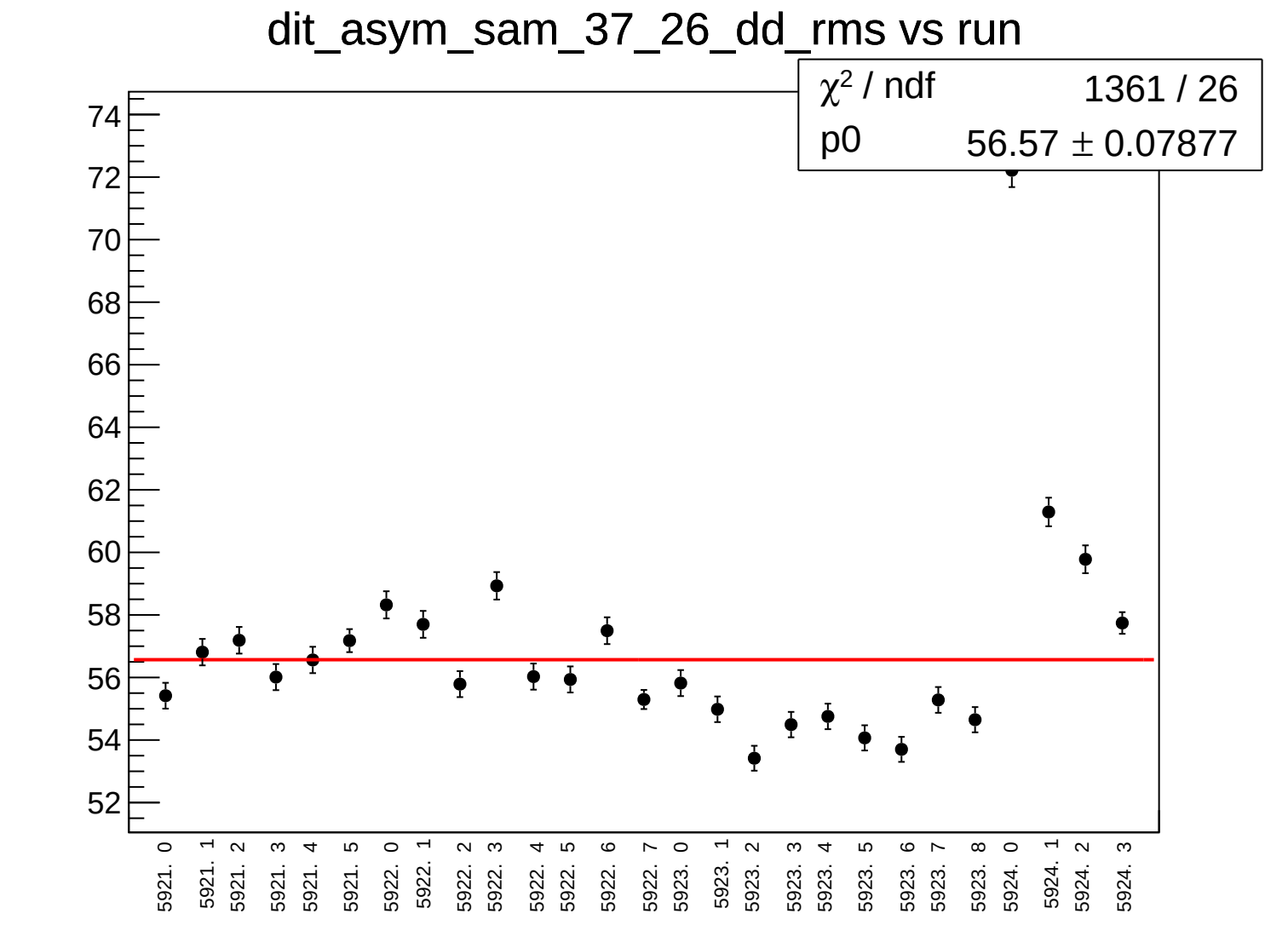
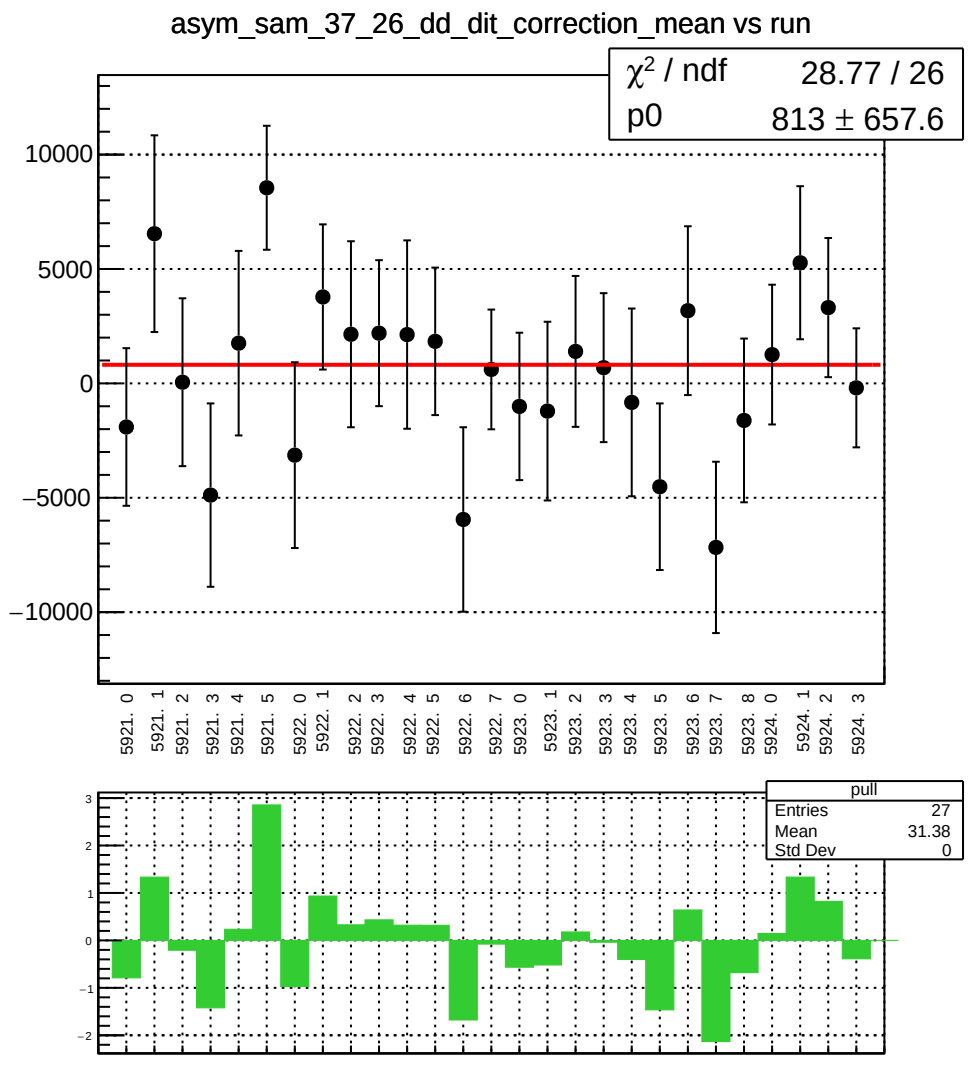
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 28.51
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 27
Mean −0.05227
Std Dev 1.022
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

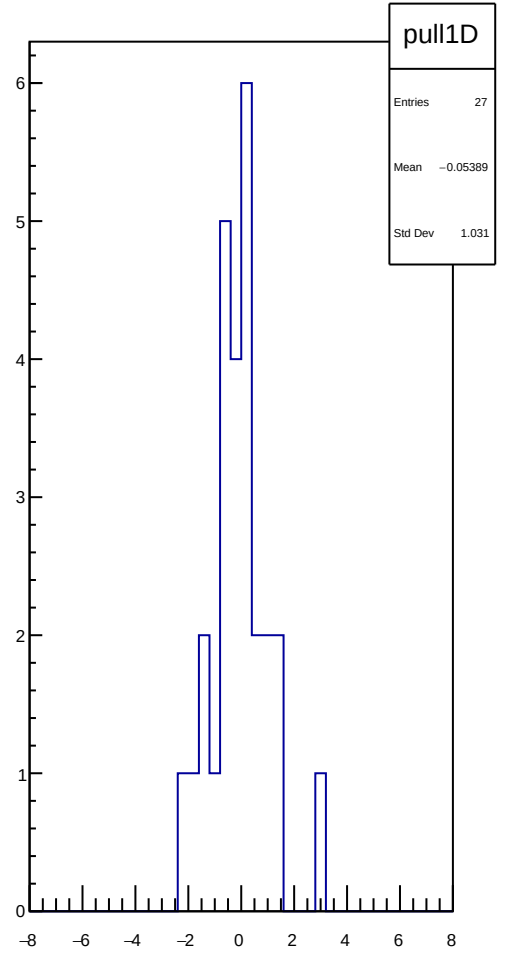

asym_sam_37_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 5100 / 26
p0 333.7 ± 0.4664
400
380
360
340
320
300
280
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

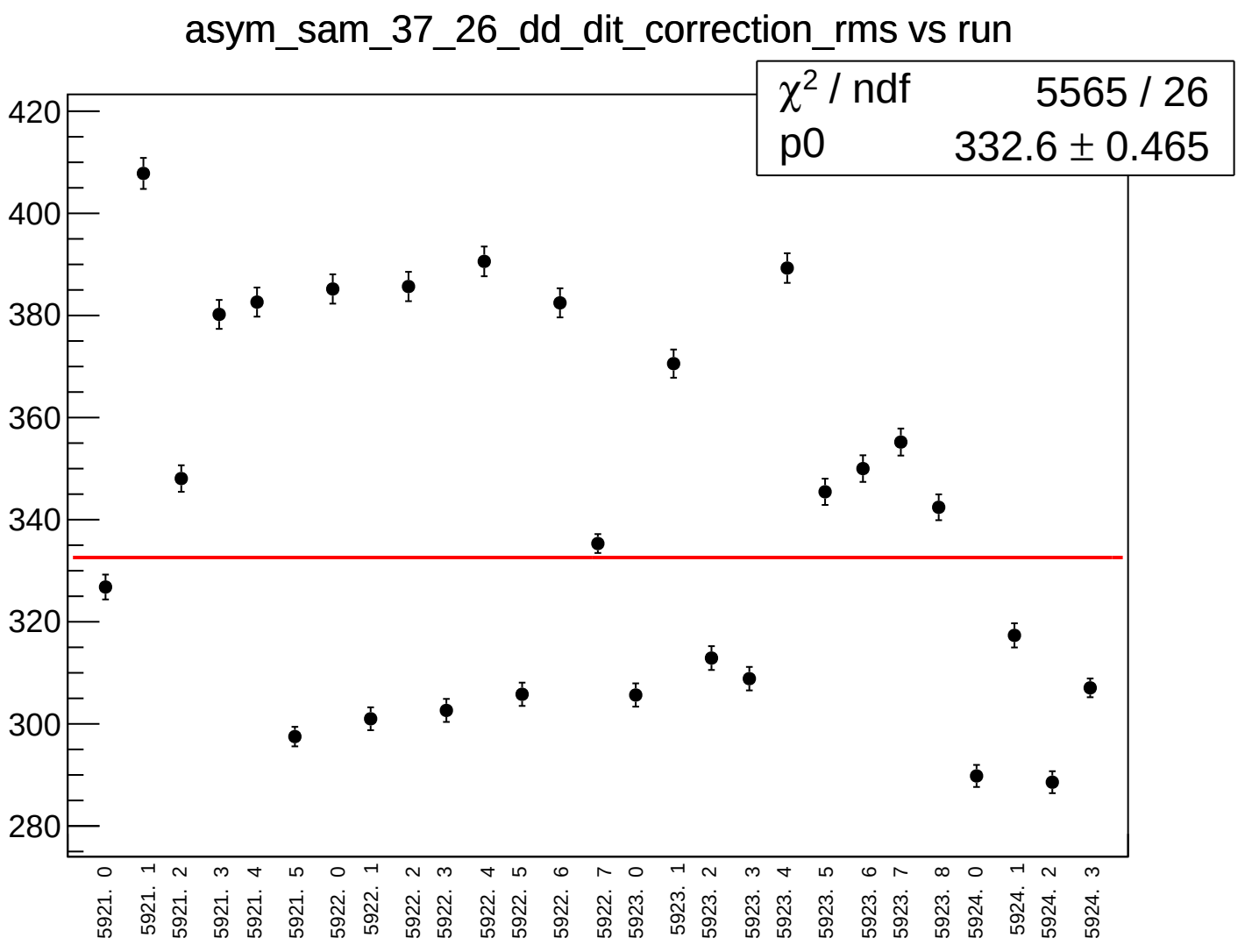

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 29.38 / 26
p0 −147.6 ± 111.4
2000
1500
1000
500
0
−500
−1000
−1500
−2000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −32.03
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

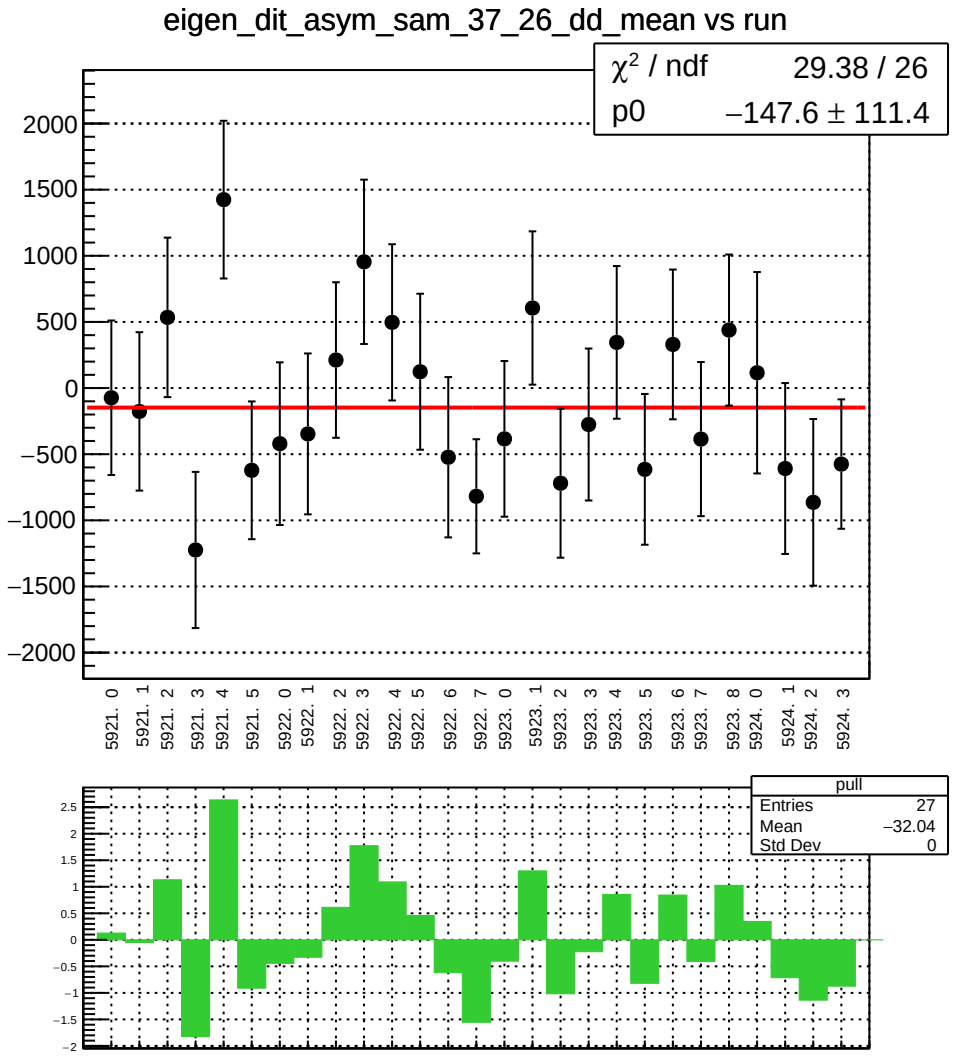

pull1D
Entries 27
Mean 0.03276
Std Dev 1.043
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

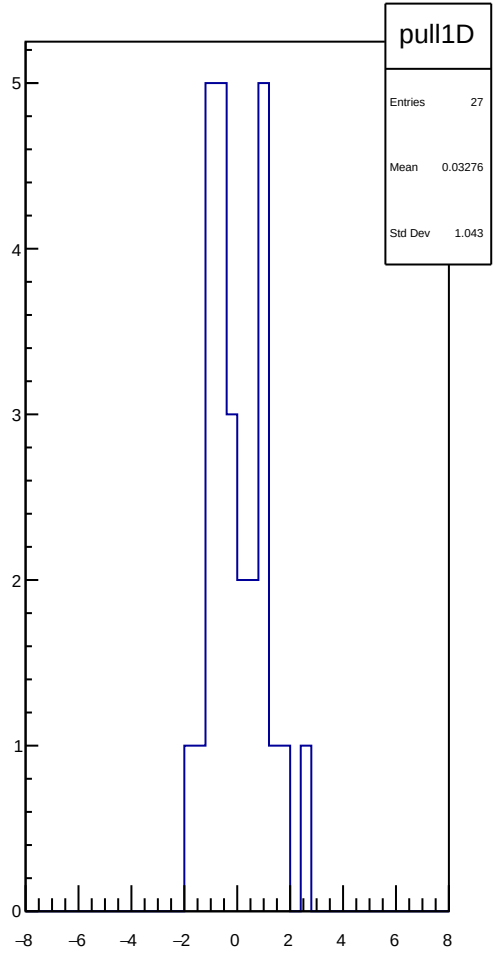

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 1361 / 26
p0 56.57 ± 0.07877
74
72
70
68
66
64
62
60
58
56
54
52
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

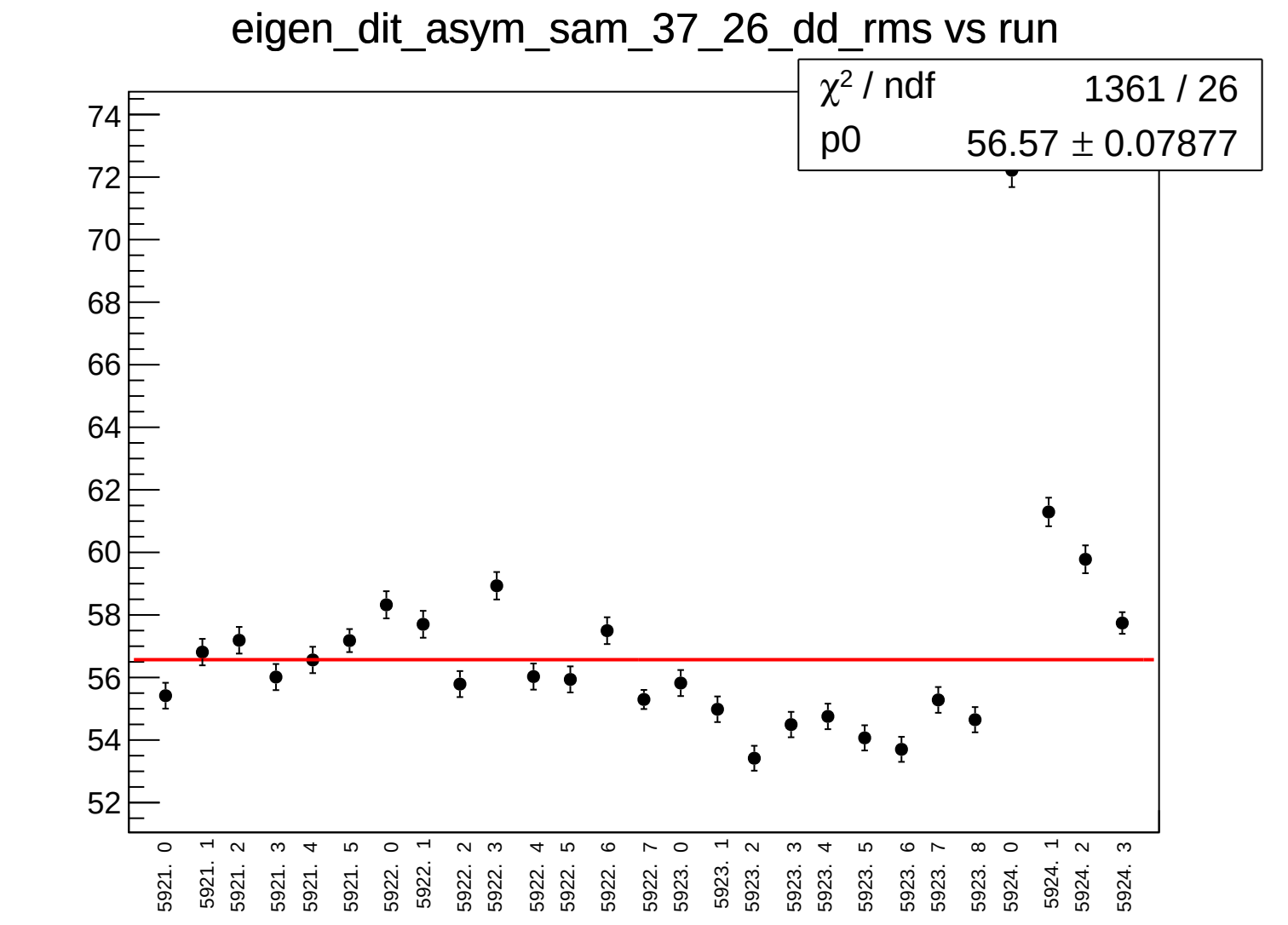

asym_sam_37_26_dd_dit_correction_mean vs run
χ² / ndf 28.77 / 26
p0 813 ± 657.6
10000
5000
0
−5000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 31.38
Std Dev 0
3
2
1
0
−1
−2

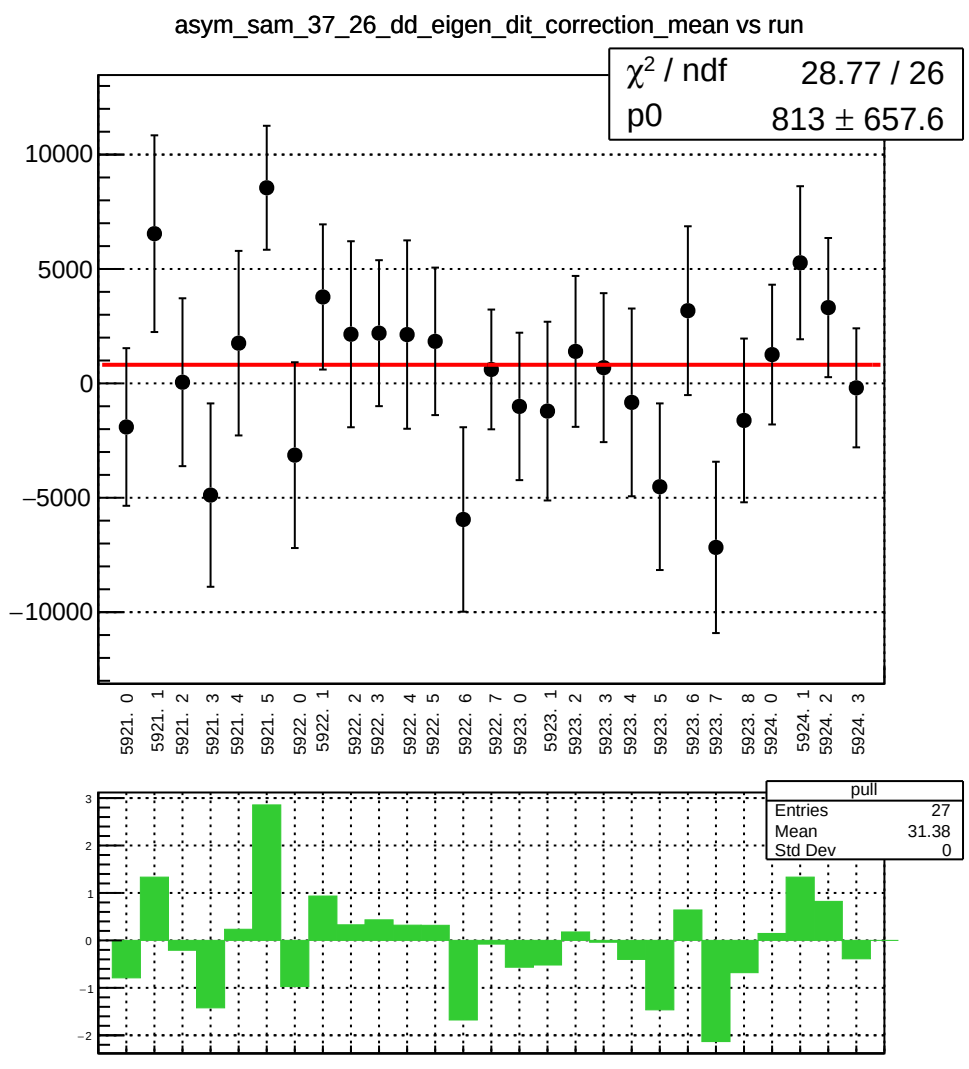

pull1D
Entries 27
Mean −0.05389
Std Dev 1.031
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

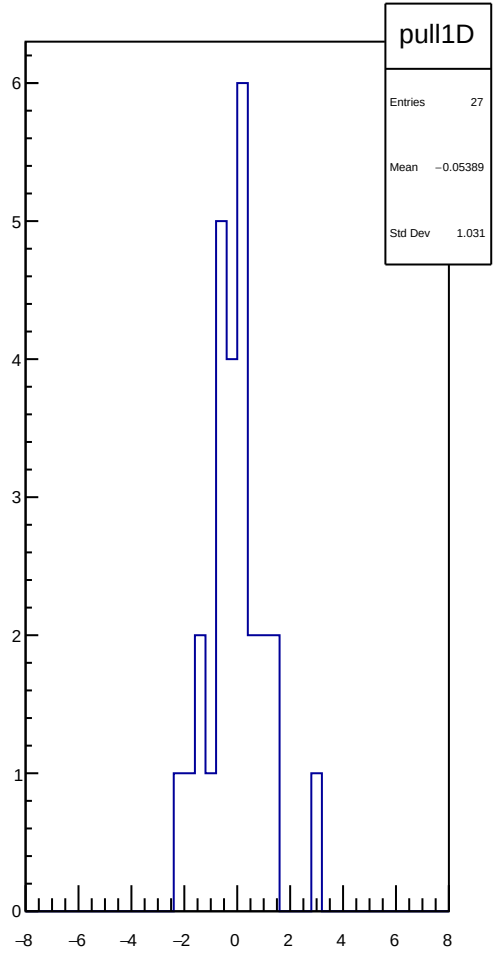

asym_sam_37_26_dd_dit_correction_rms vs run
χ² / ndf 5565 / 26
p0 332.6 ± 0.465
420
400
380
360
340
320
300
280
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

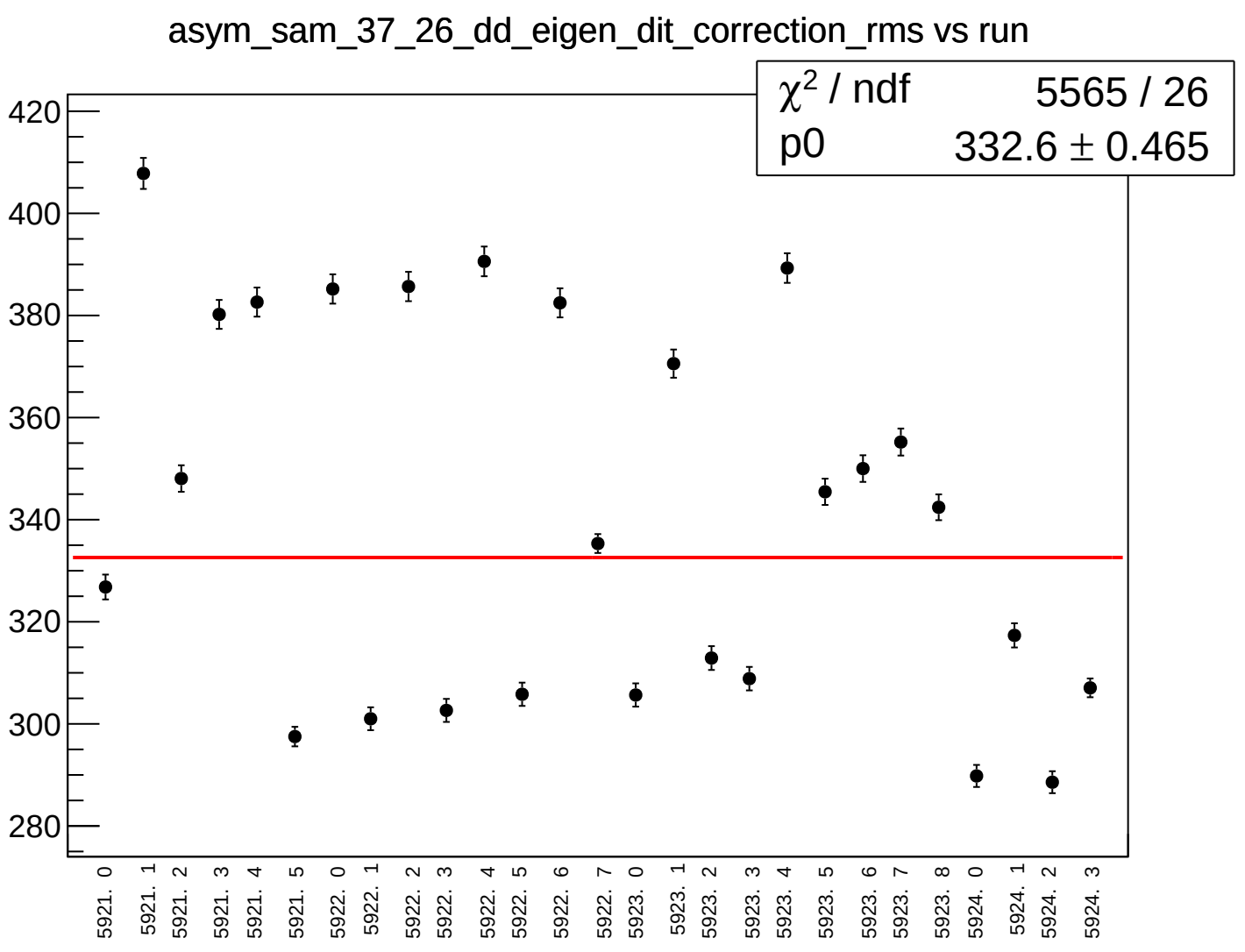

eigen_dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 29.38 / 26
p0 −147.6 ± 111.4
2000
1500
1000
500
0
−500
−1000
−1500
−2000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −32.04
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

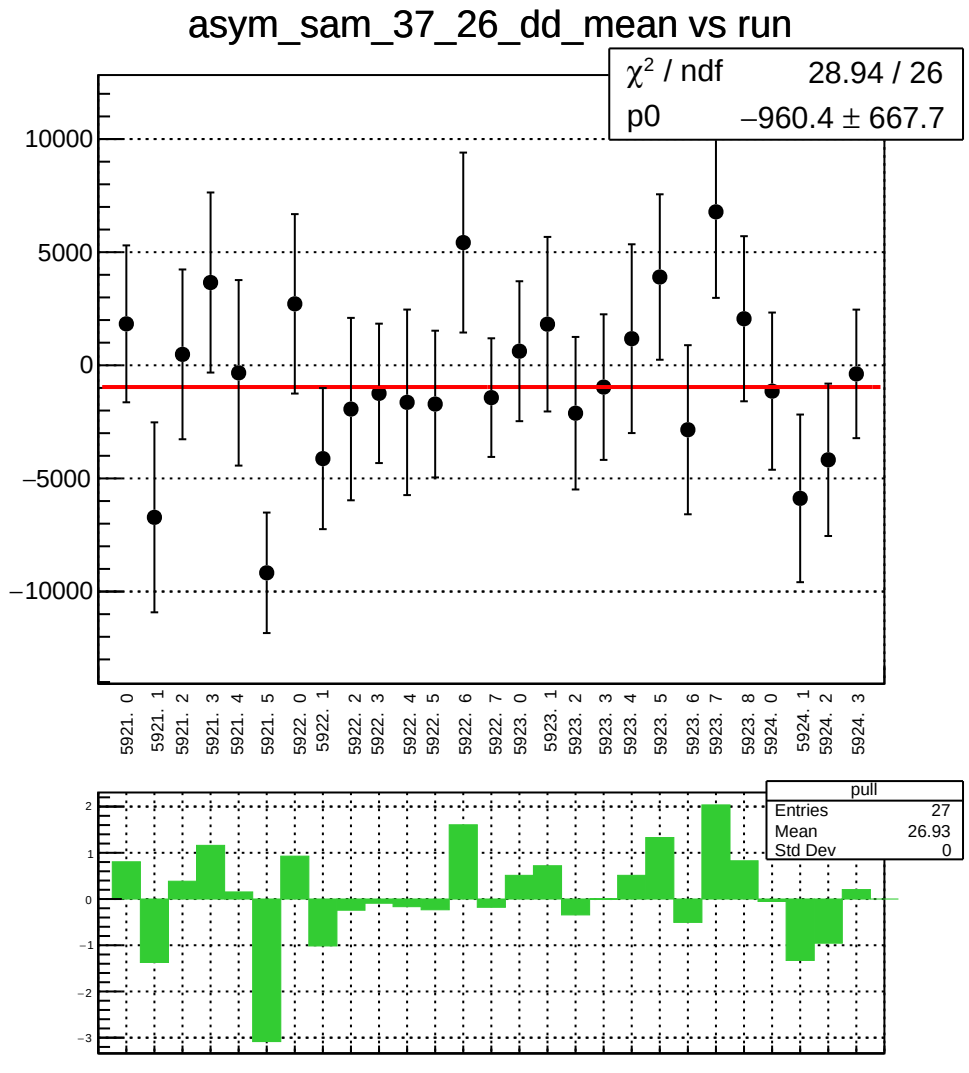

pull1D
Entries 27
Mean 0.03276
Std Dev 1.043
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

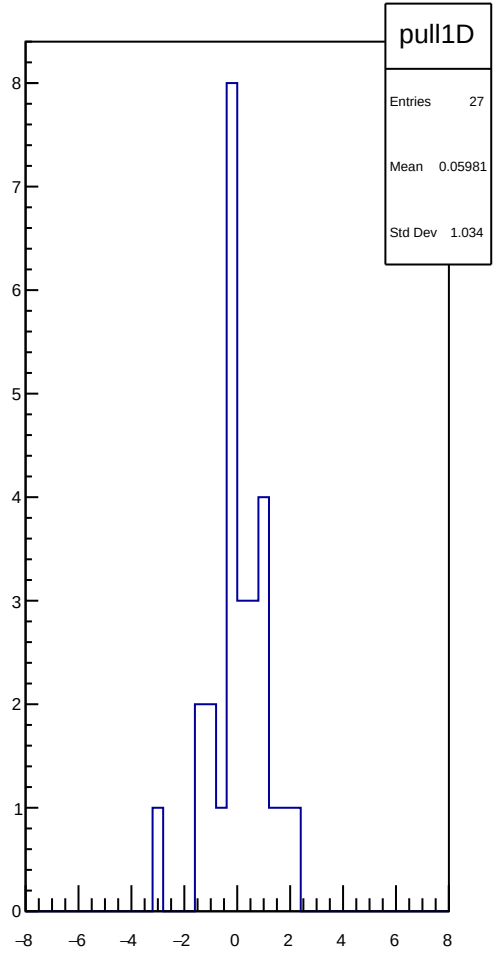

eigen_dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 1361 / 26
p0 56.57 ± 0.07877
74
72
70
68
66
64
62
60
58
56
54
52
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

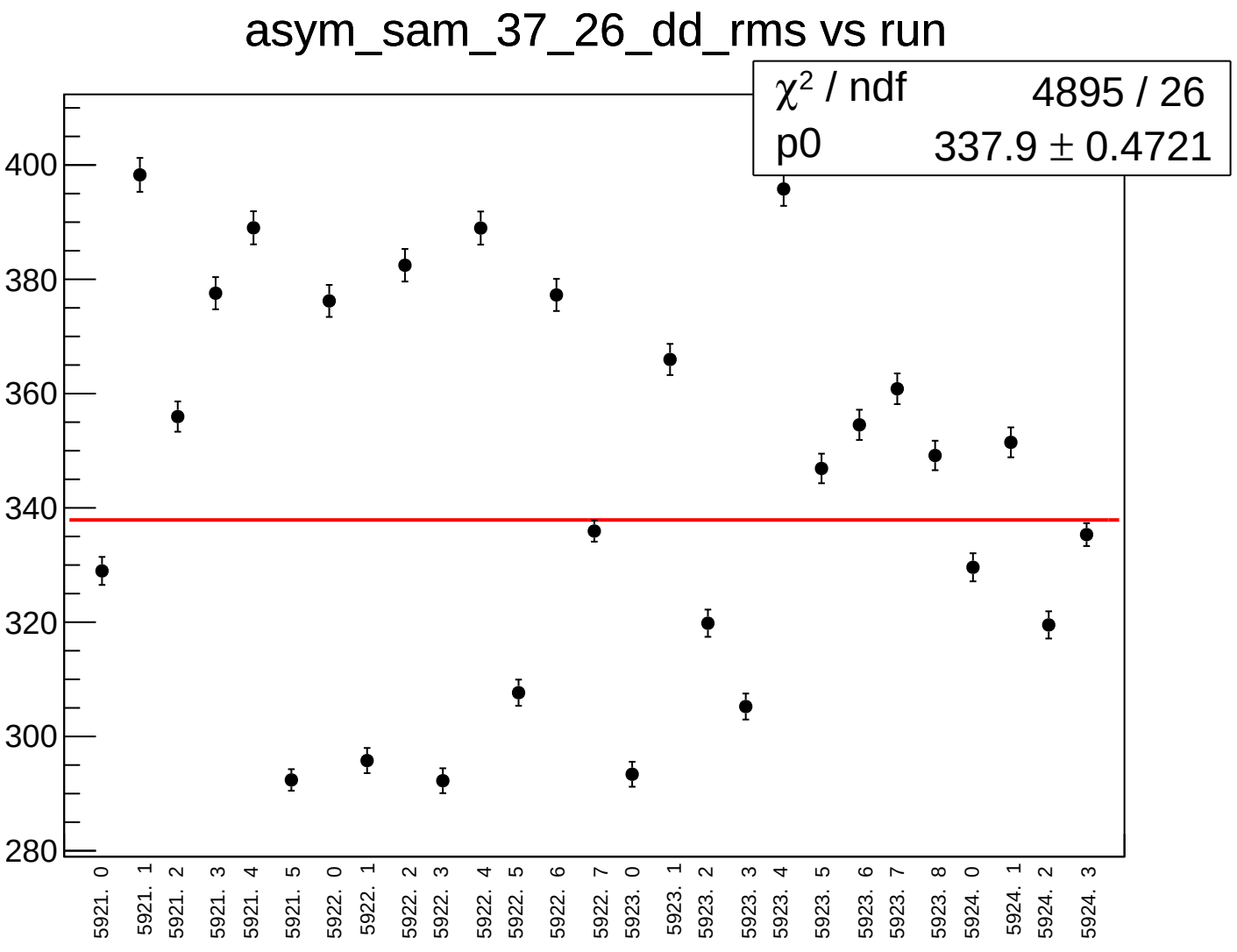

asym_sam_37_26_dd_eigen_dit_correction_mean vs run
χ² / ndf 28.77 / 26
p0 813 ± 657.6
10000
5000
0
−5000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 31.38
Std Dev 0
3
2
1
0
−1
−2

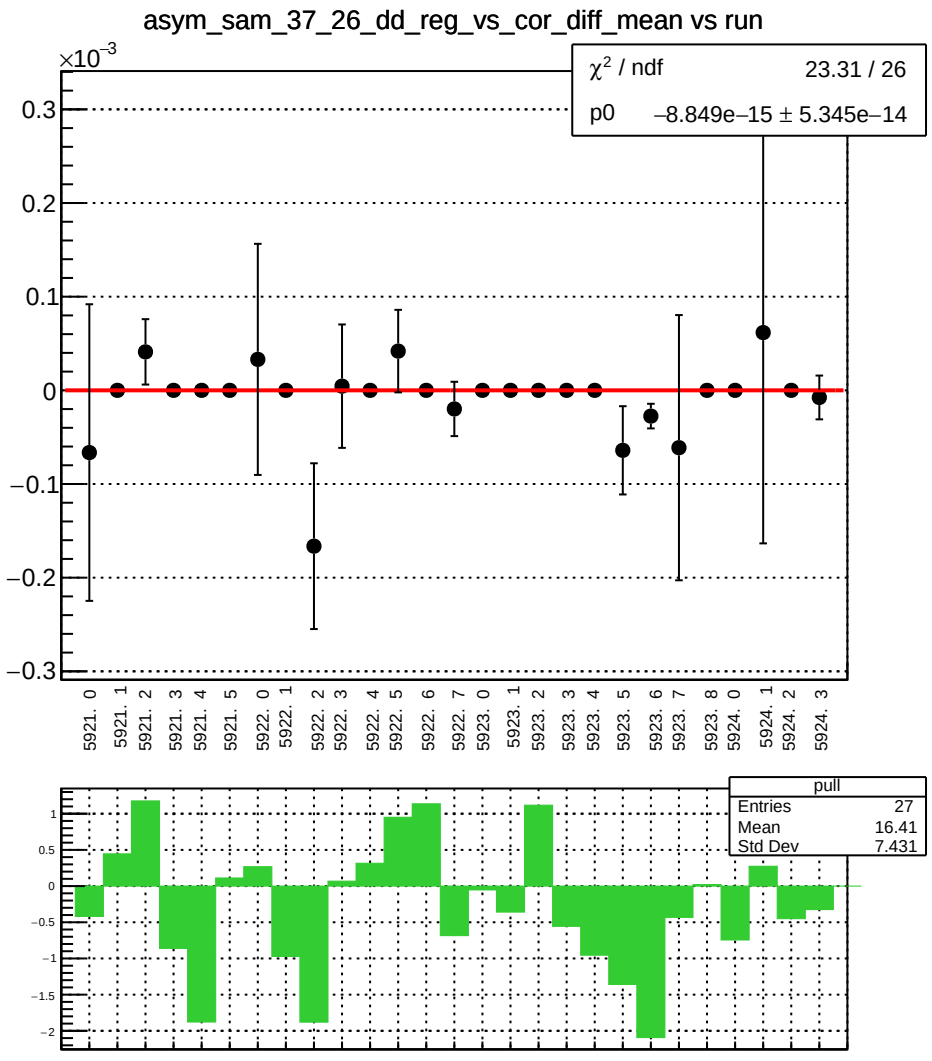

pull1D
Entries 27
Mean −0.05389
Std Dev 1.031
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

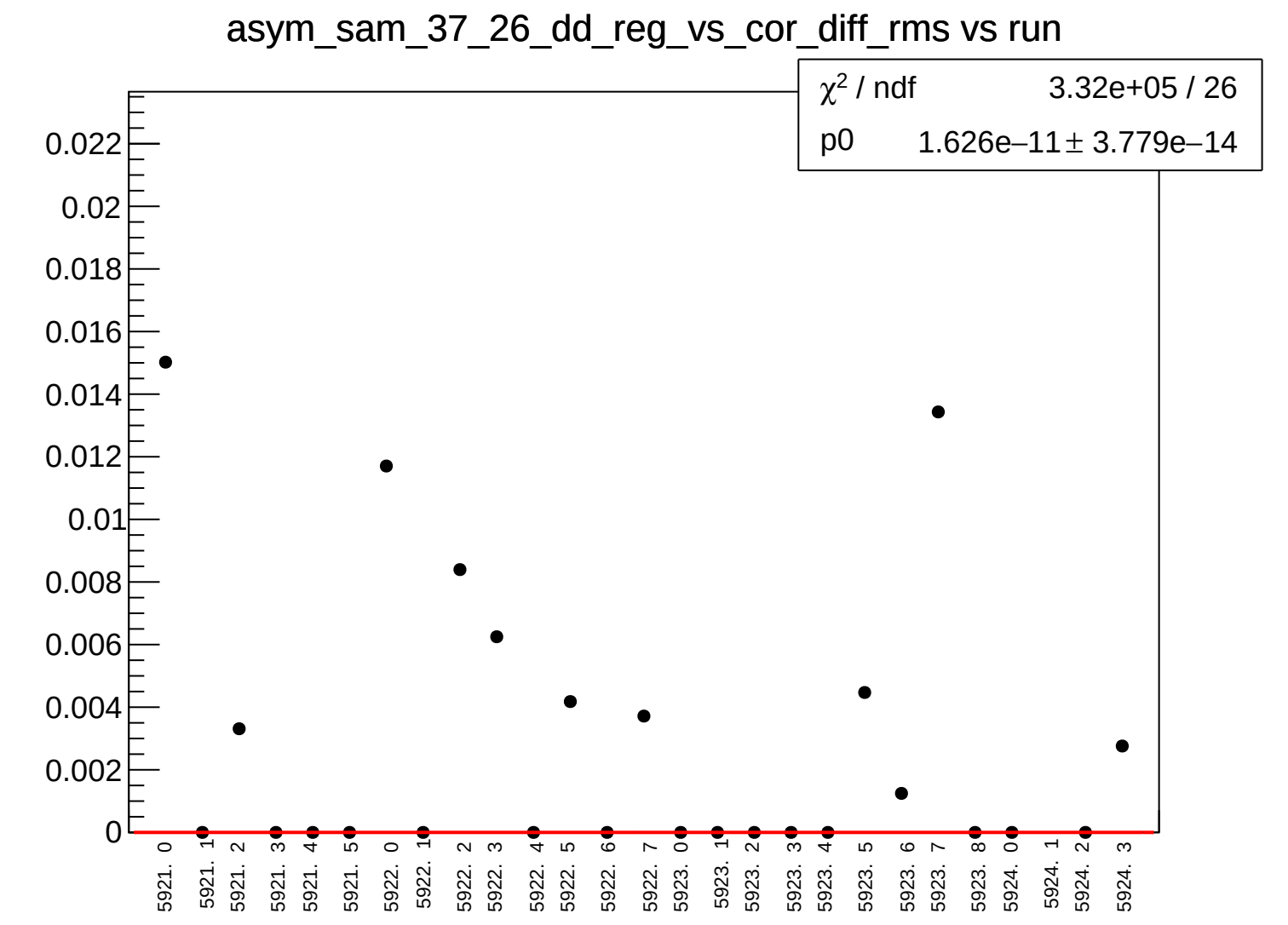

asym_sam_37_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 5565 / 26
p0 332.6 ± 0.465
420
400
380
360
340
320
300
280
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

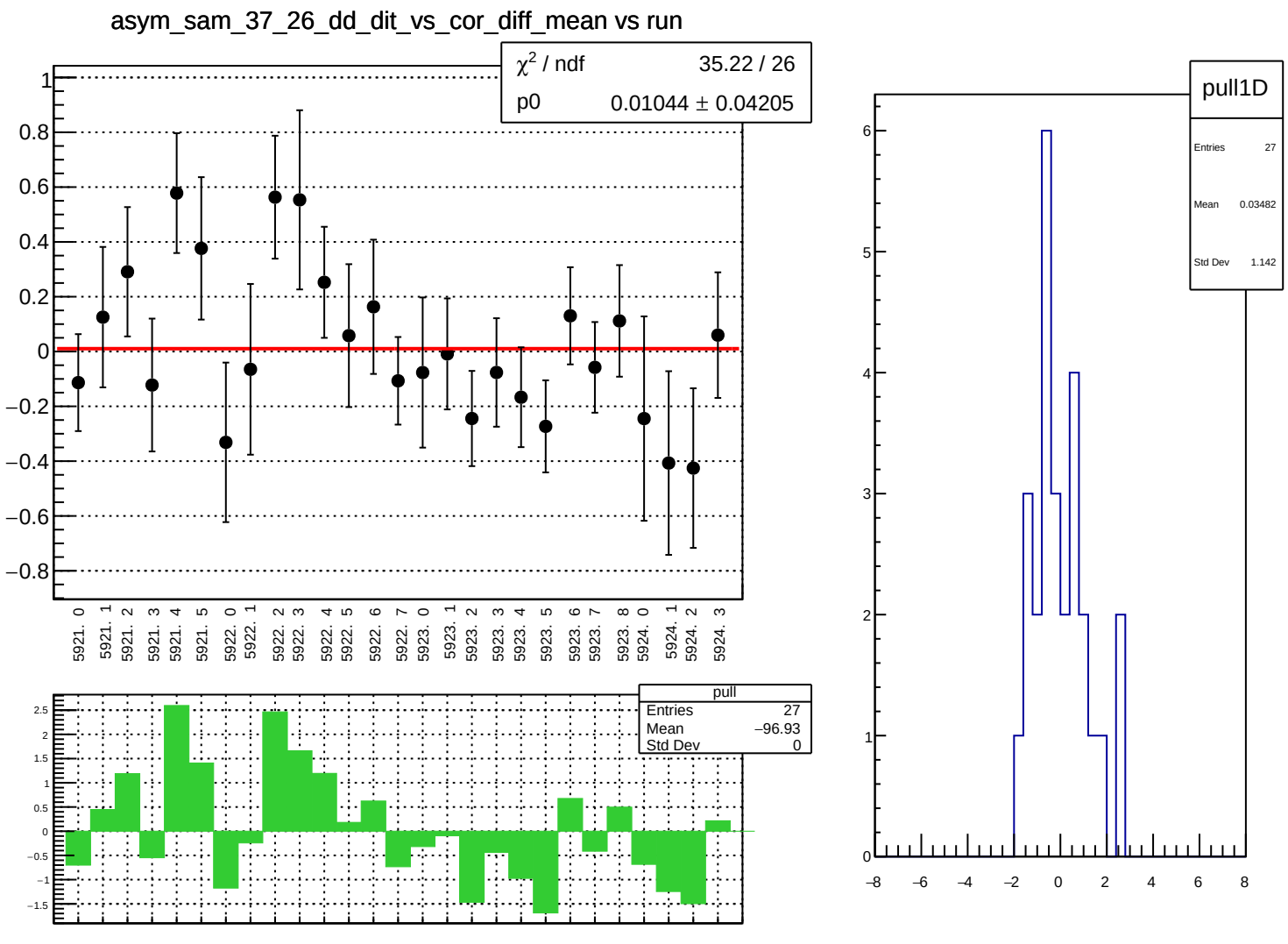

asym_sam_37_26_dd_mean vs run
χ² / ndf 28.94 / 26
p0 −960.4 ± 667.7
10000
5000
0
−5000
−10000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 26.93
Std Dev 0
2
1
0
−1
−2
−3

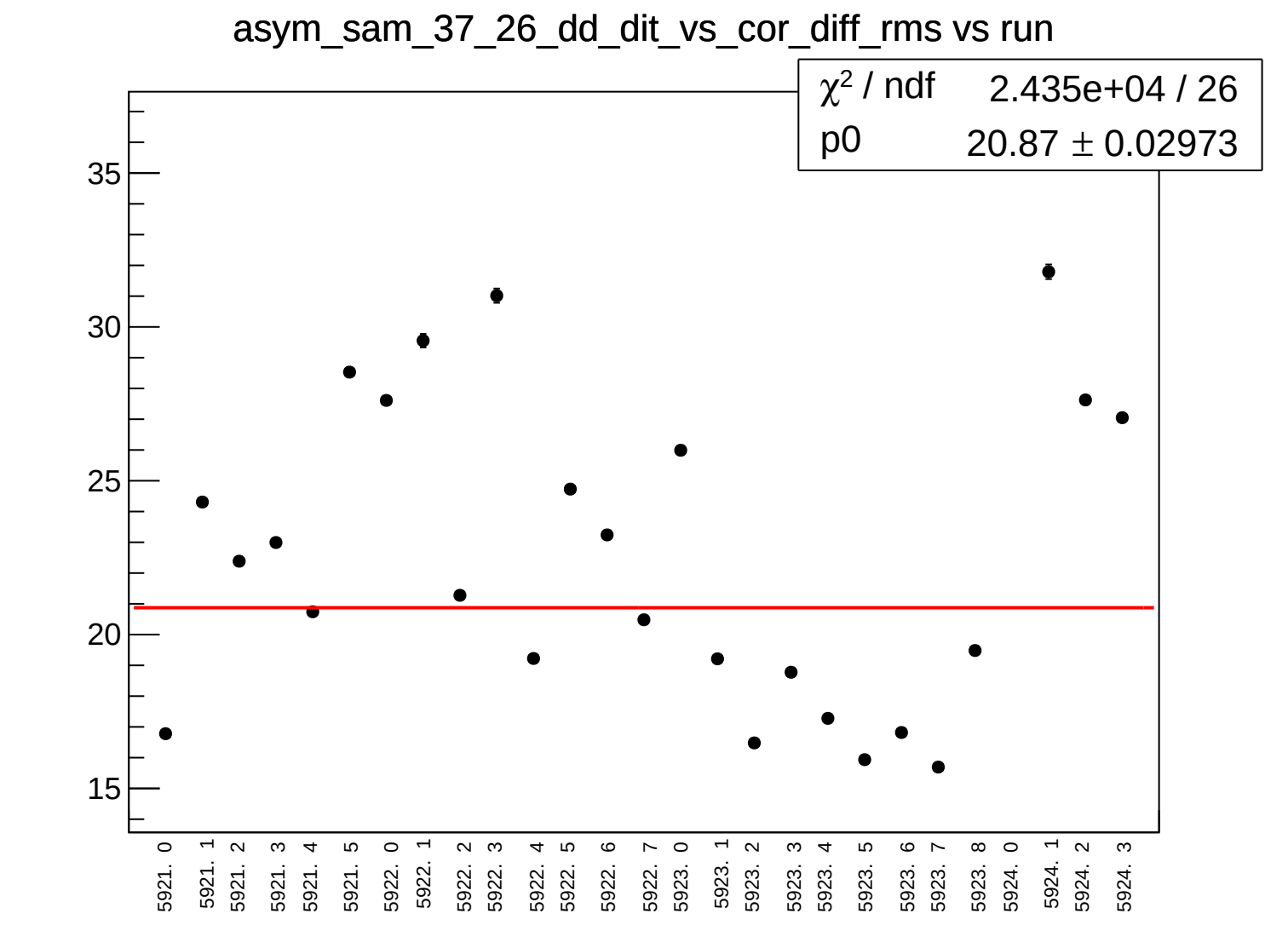

pull1D
Entries 27
Mean 0.05981
Std Dev 1.034
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

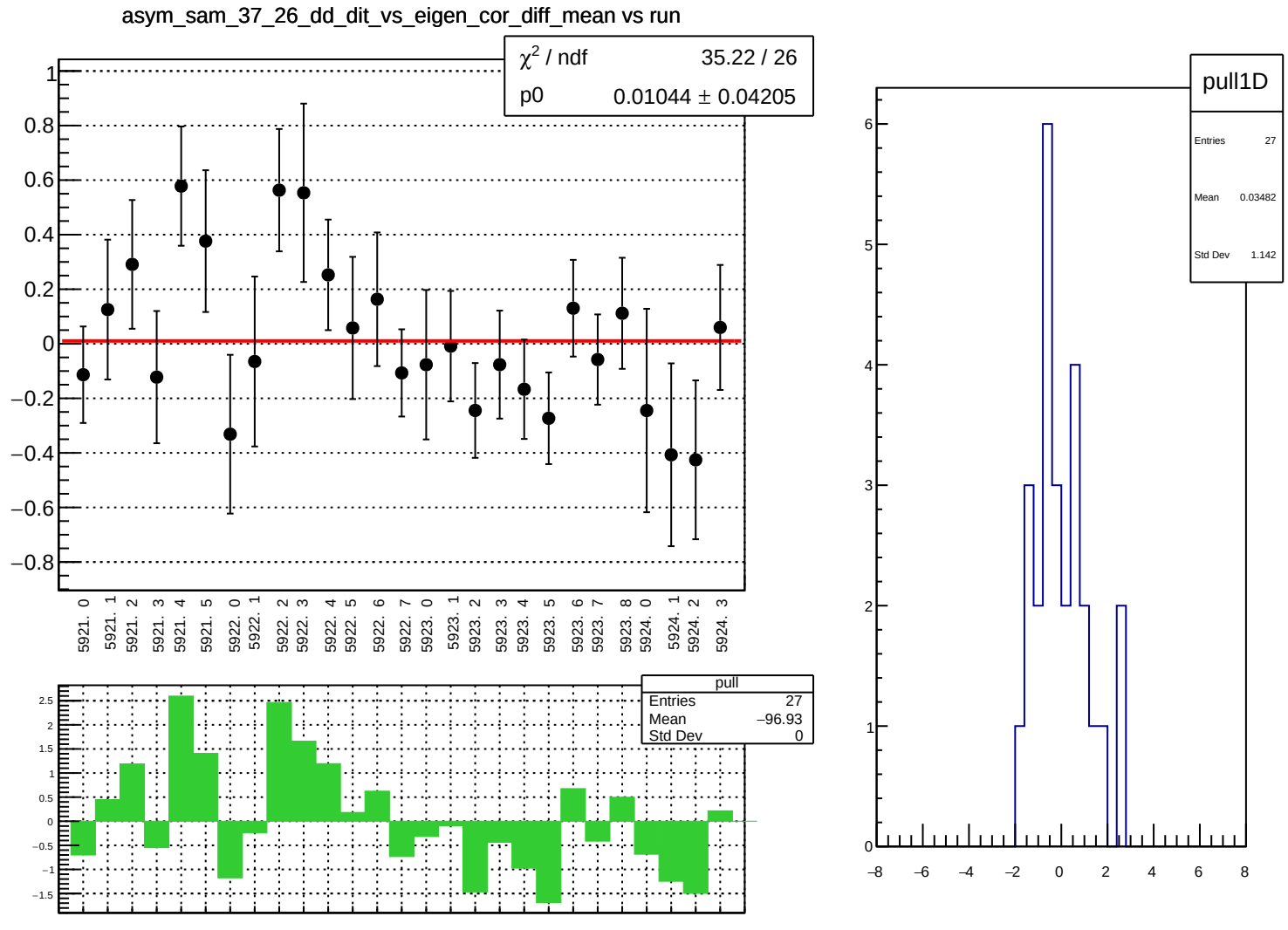

asym_sam_37_26_dd_rms vs run
χ² / ndf 4895 / 26
p0 337.9 ± 0.4721
400
380
360
340
320
300
280
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

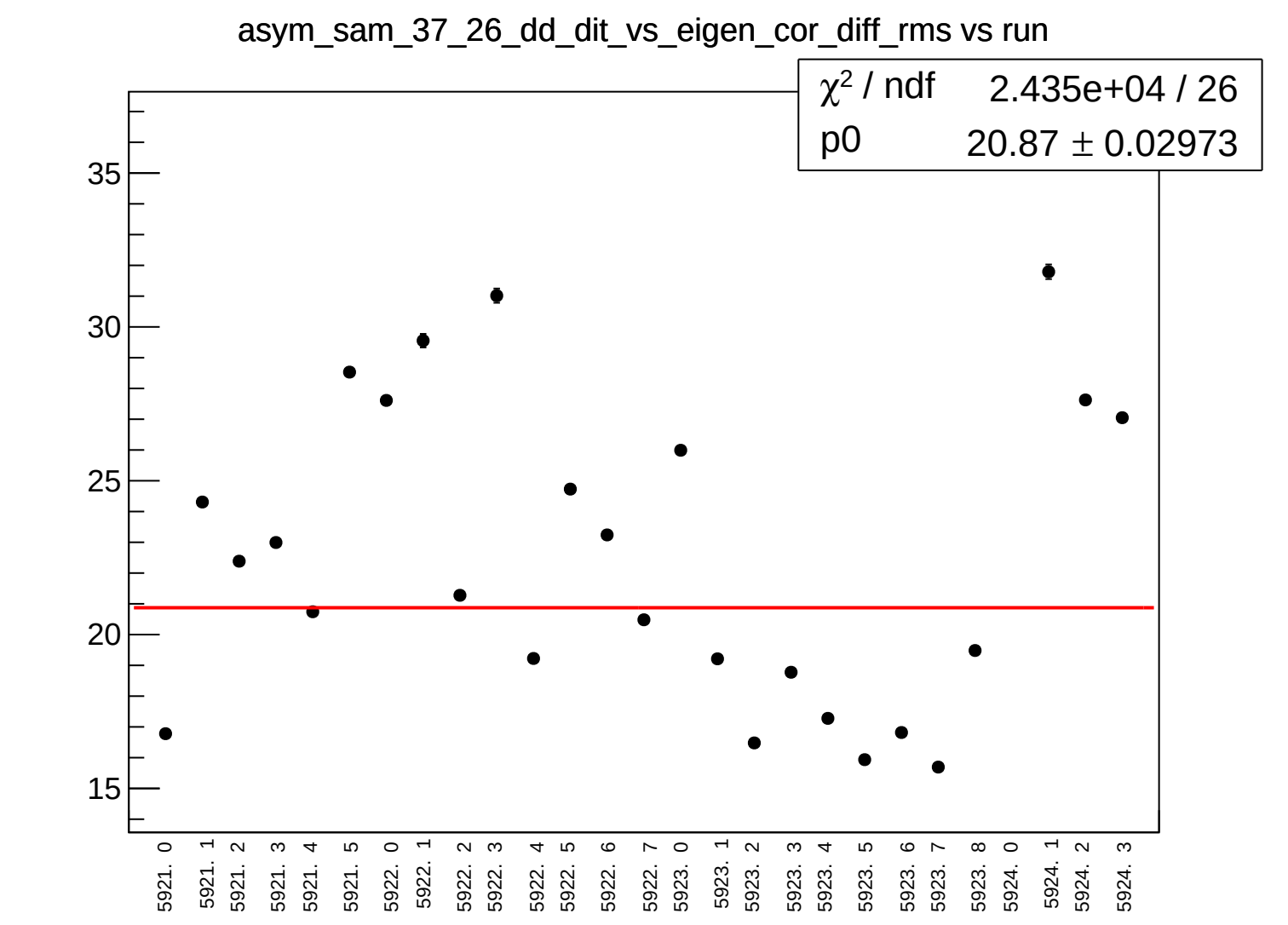

asym_sam_37_26_dd_reg_vs_cor_diff_mean vs run
×10^−3
χ² / ndf 23.31 / 26
p0 −8.849e−15 ± 5.345e−14
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 16.41
Std Dev 7.431
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.3014
Std Dev 0.879
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

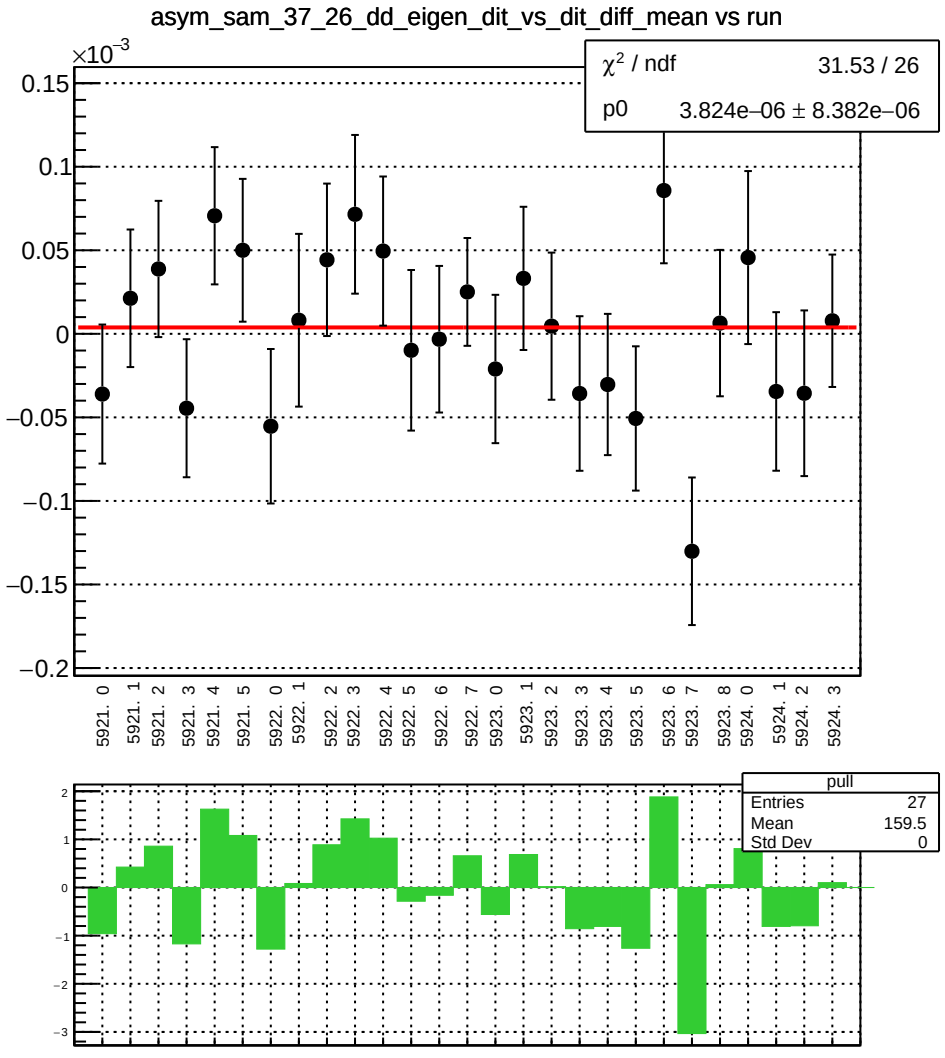

asym_sam_37_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.32e+05 / 26
p0 1.626e−11 ± 3.779e−14
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

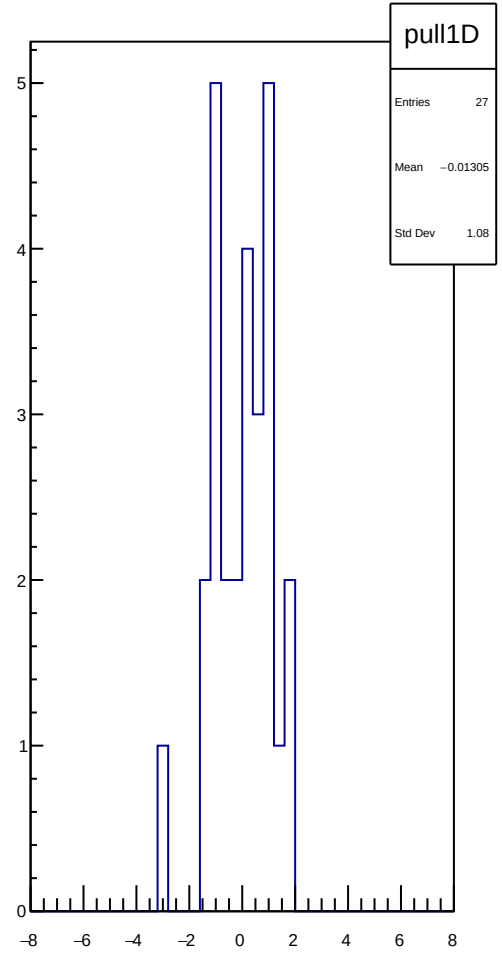

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 35.22 / 26
p0 0.01044 ± 0.04205
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −96.93
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.03482
Std Dev 1.142
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

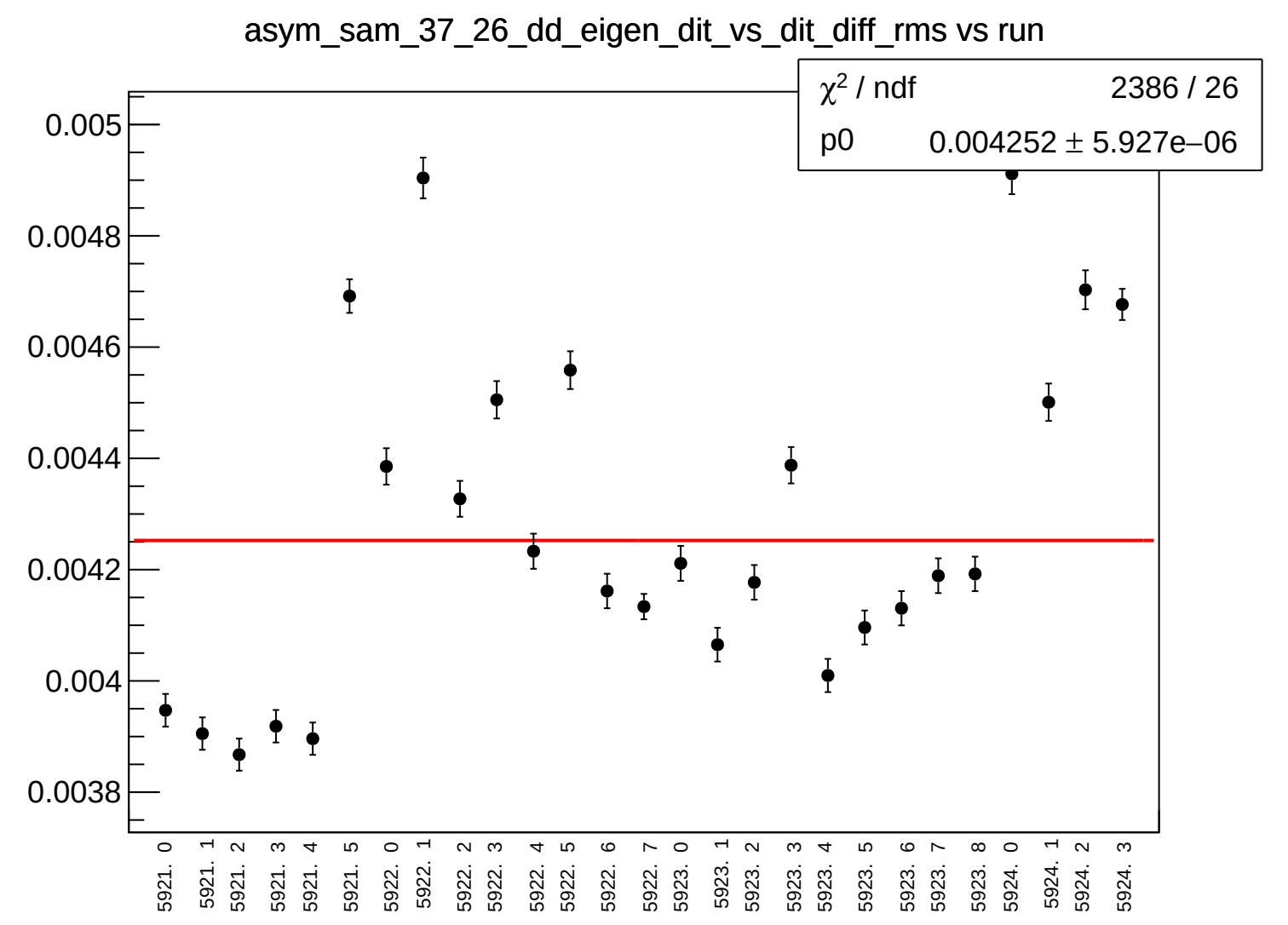

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.435e+04 / 26
p0 20.87 ± 0.02973
35
30
25
20
15
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

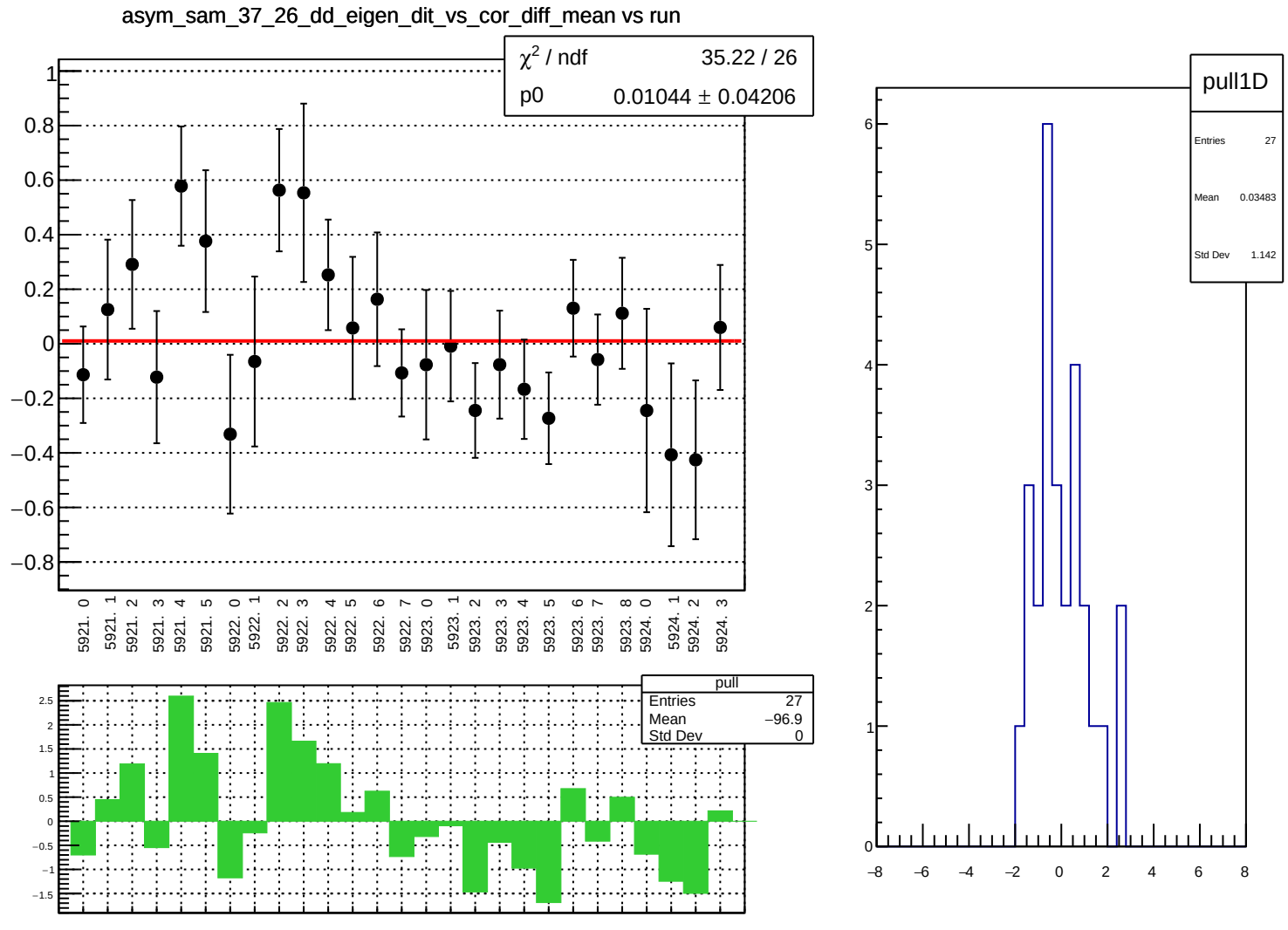

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 35.22 / 26
p0 0.01044 ± 0.04205
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −96.93
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.03482
Std Dev 1.142
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

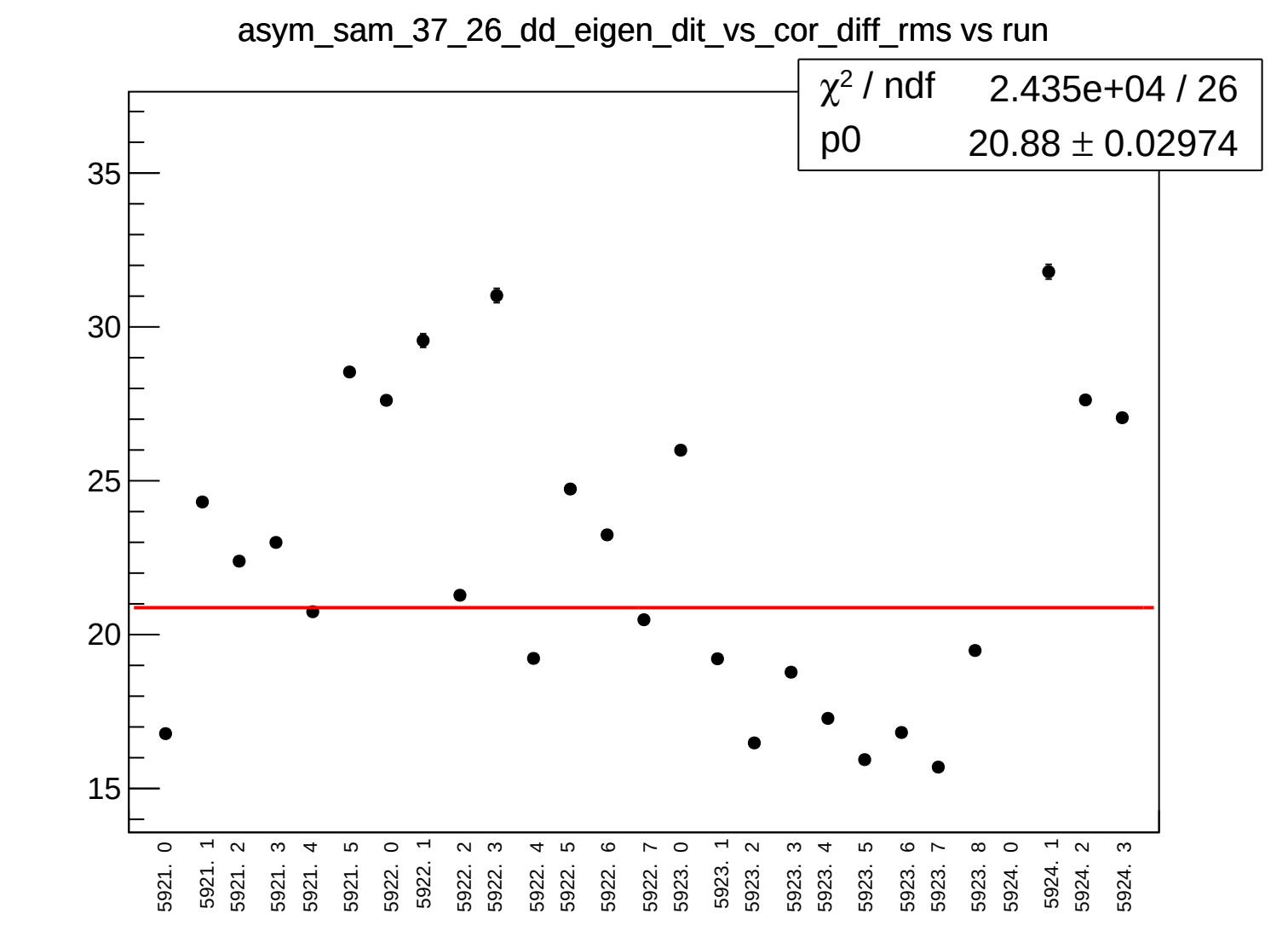

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.435e+04 / 26
p0 20.87 ± 0.02973
35
30
25
20
15
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

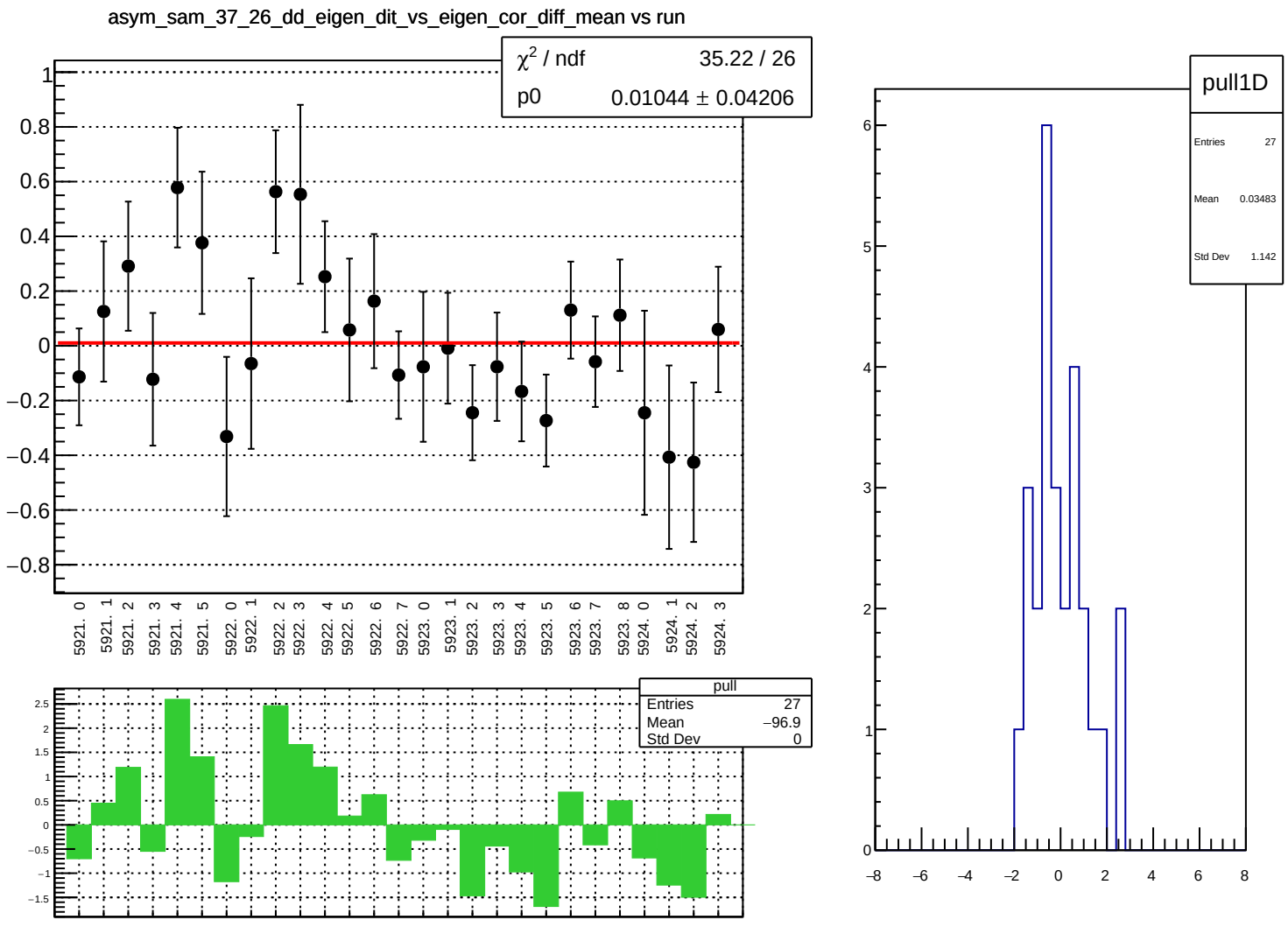

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 31.53 / 26
p0 3.824e−06 ± 8.382e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 159.5
Std Dev 0
2
1
0
−1
−2
−3

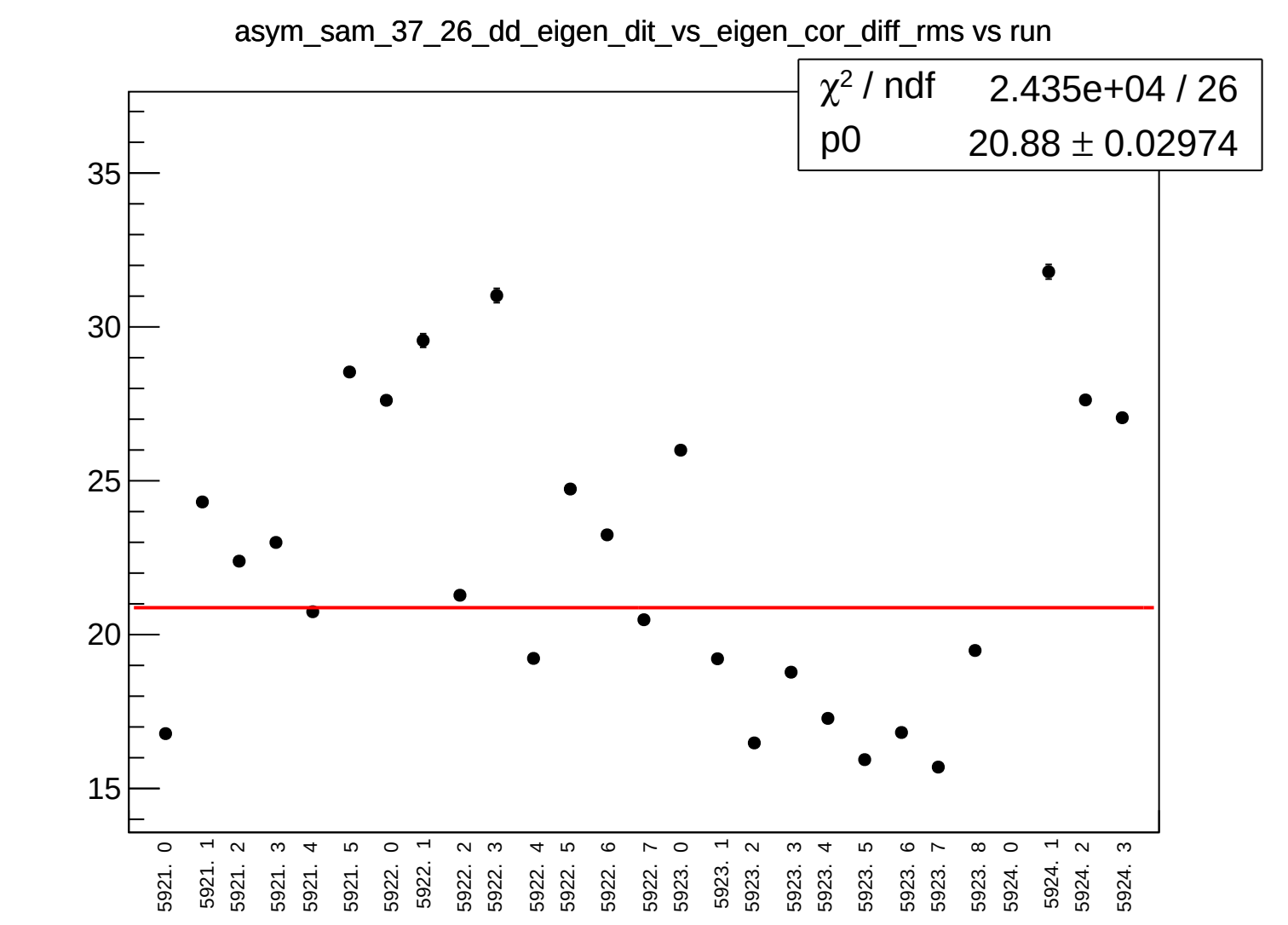

pull1D
Entries 27
Mean −0.01305
Std Dev 1.08
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

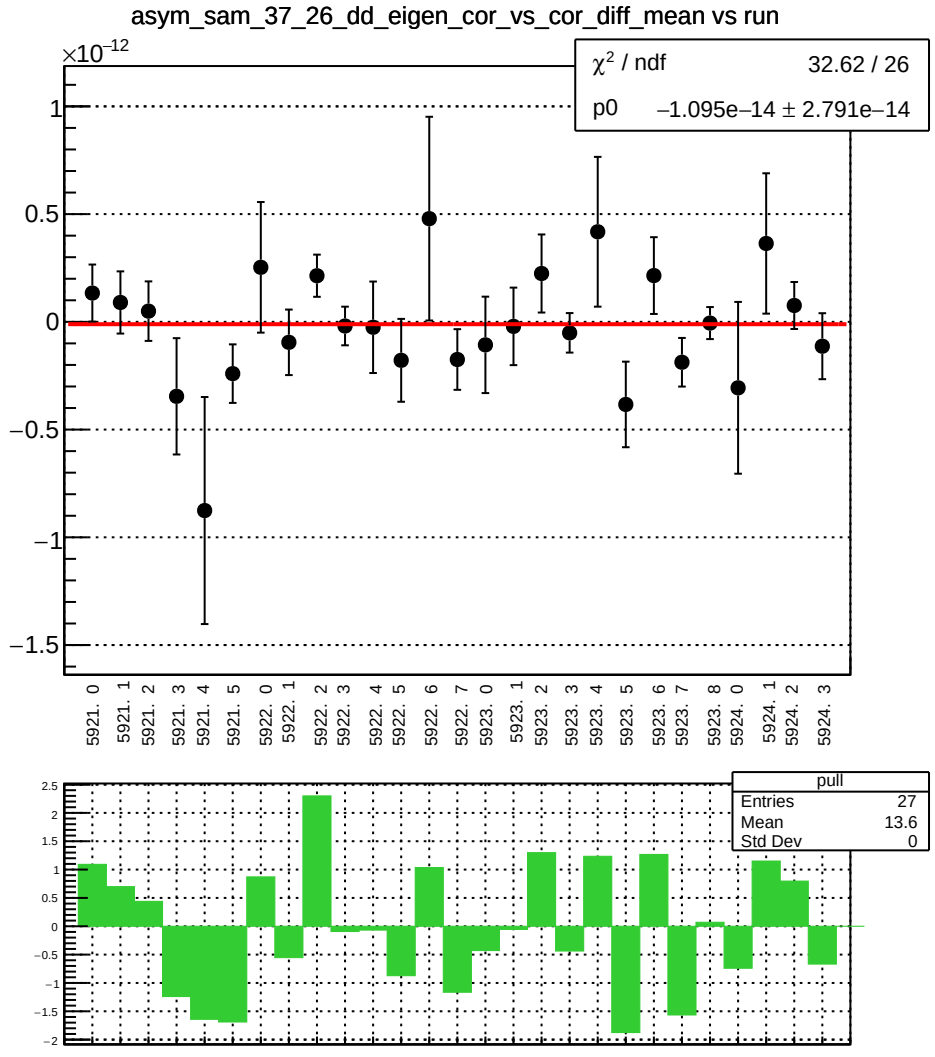

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2386 / 26
p0 0.004252 ± 5.927e−06
0.005
0.0048
0.0046
0.0044
0.0042
0.004
0.0038
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

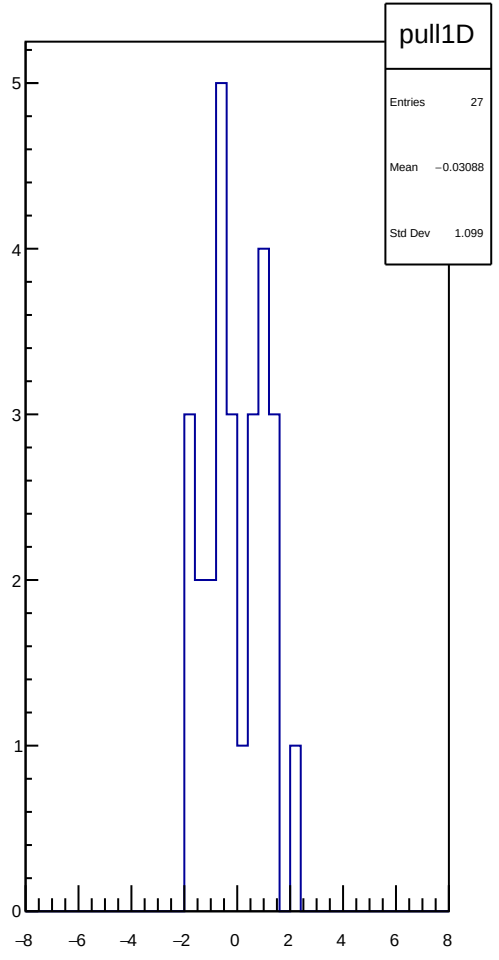

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 35.22 / 26
p0 0.01044 ± 0.04206
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −96.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.03483
Std Dev 1.142
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

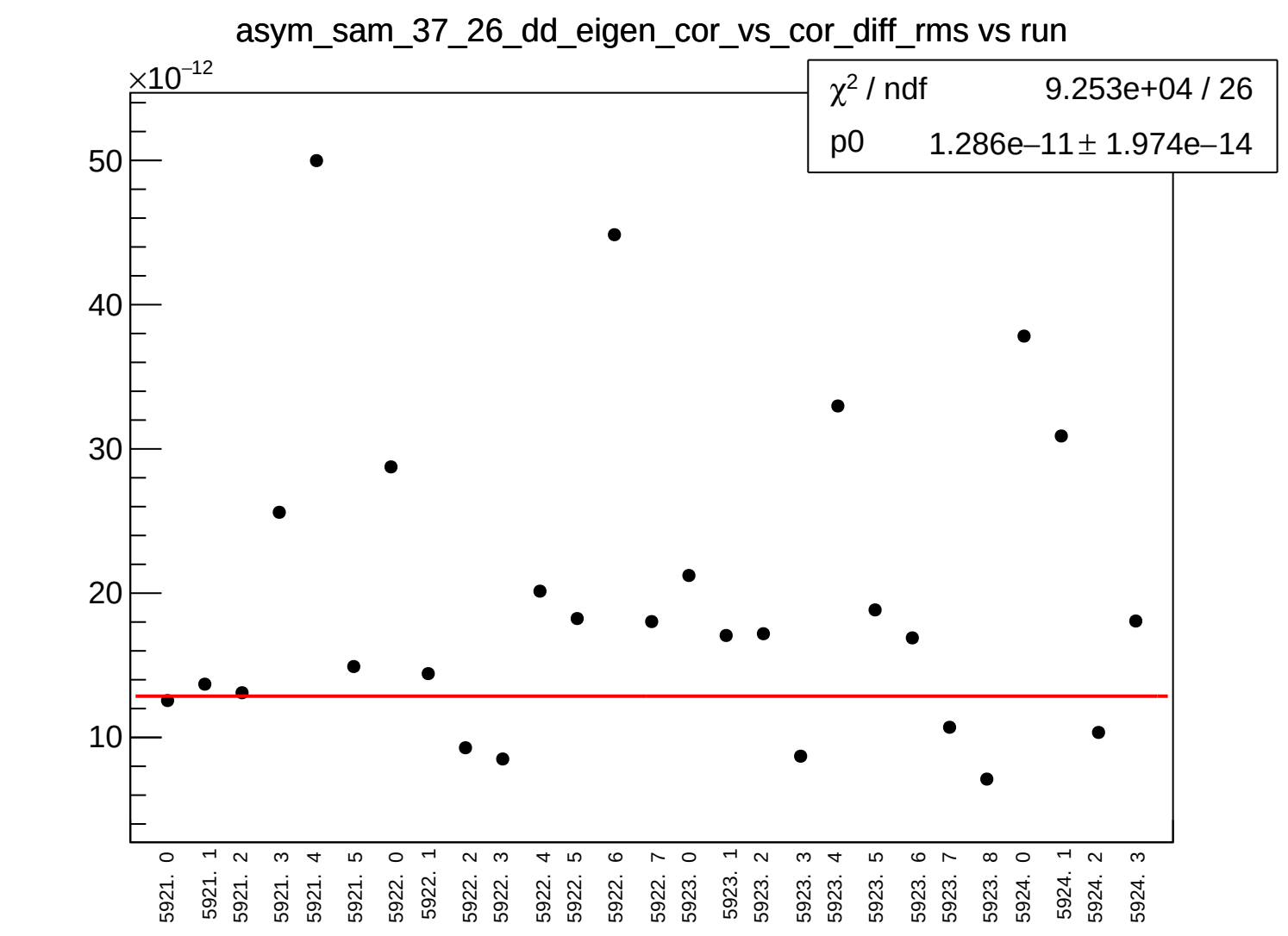

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.435e+04 / 26
p0 20.88 ± 0.02974
35
30
25
20
15
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

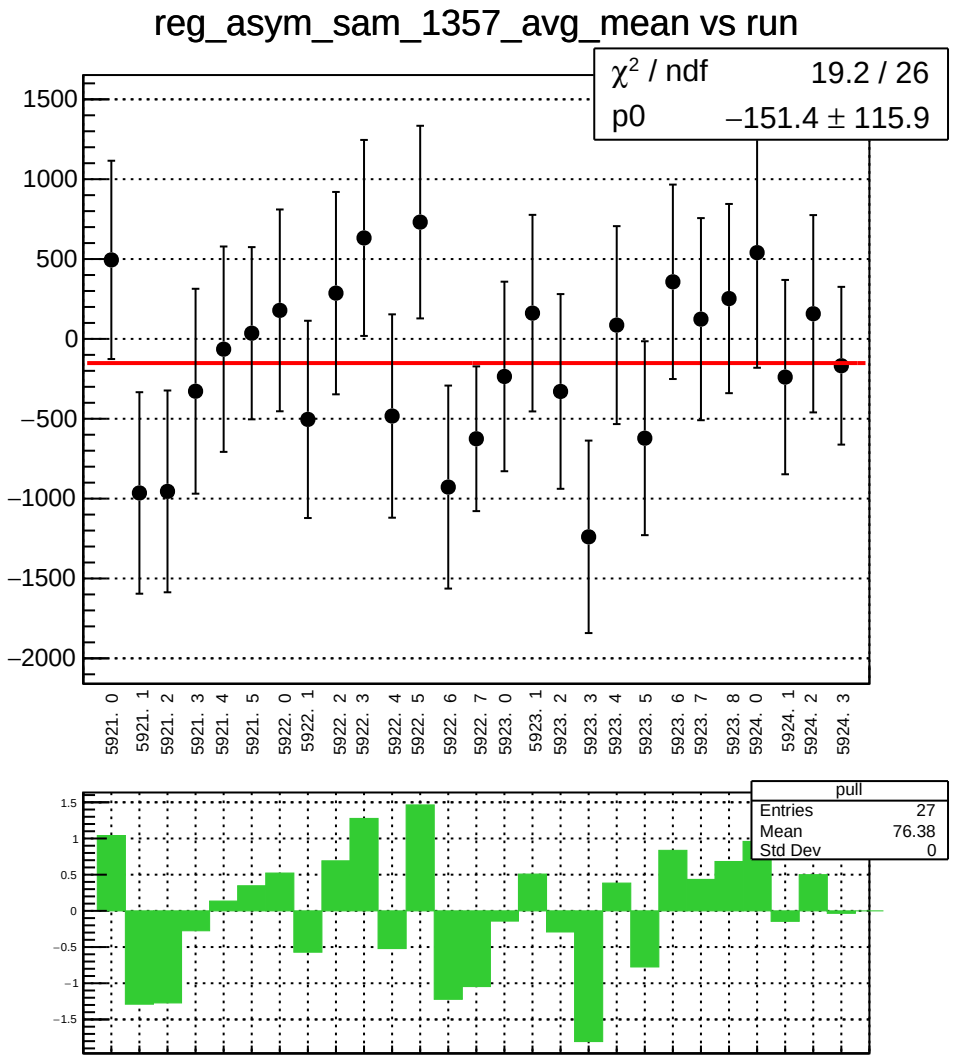

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 35.22 / 26
p0 0.01044 ± 0.04206
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −96.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.03483
Std Dev 1.142
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

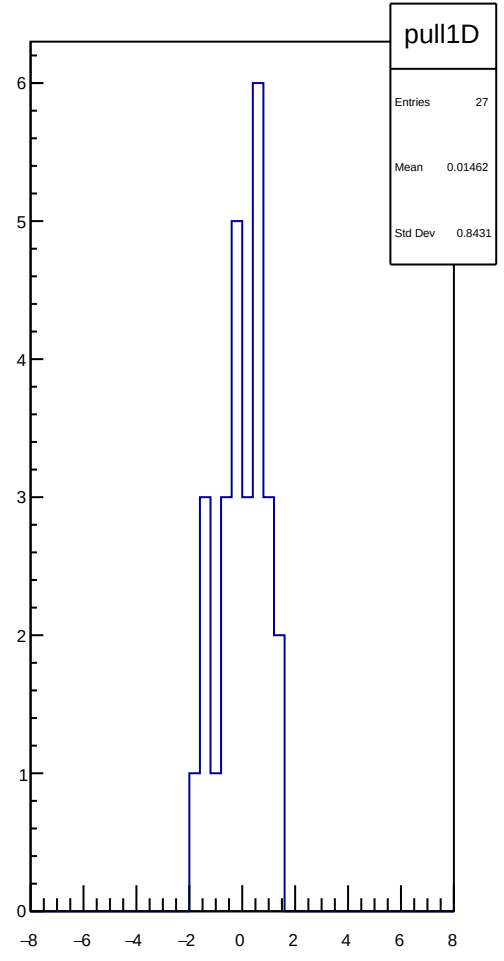

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.435e+04 / 26
p0 20.88 ± 0.02974
35
30
25
20
15
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

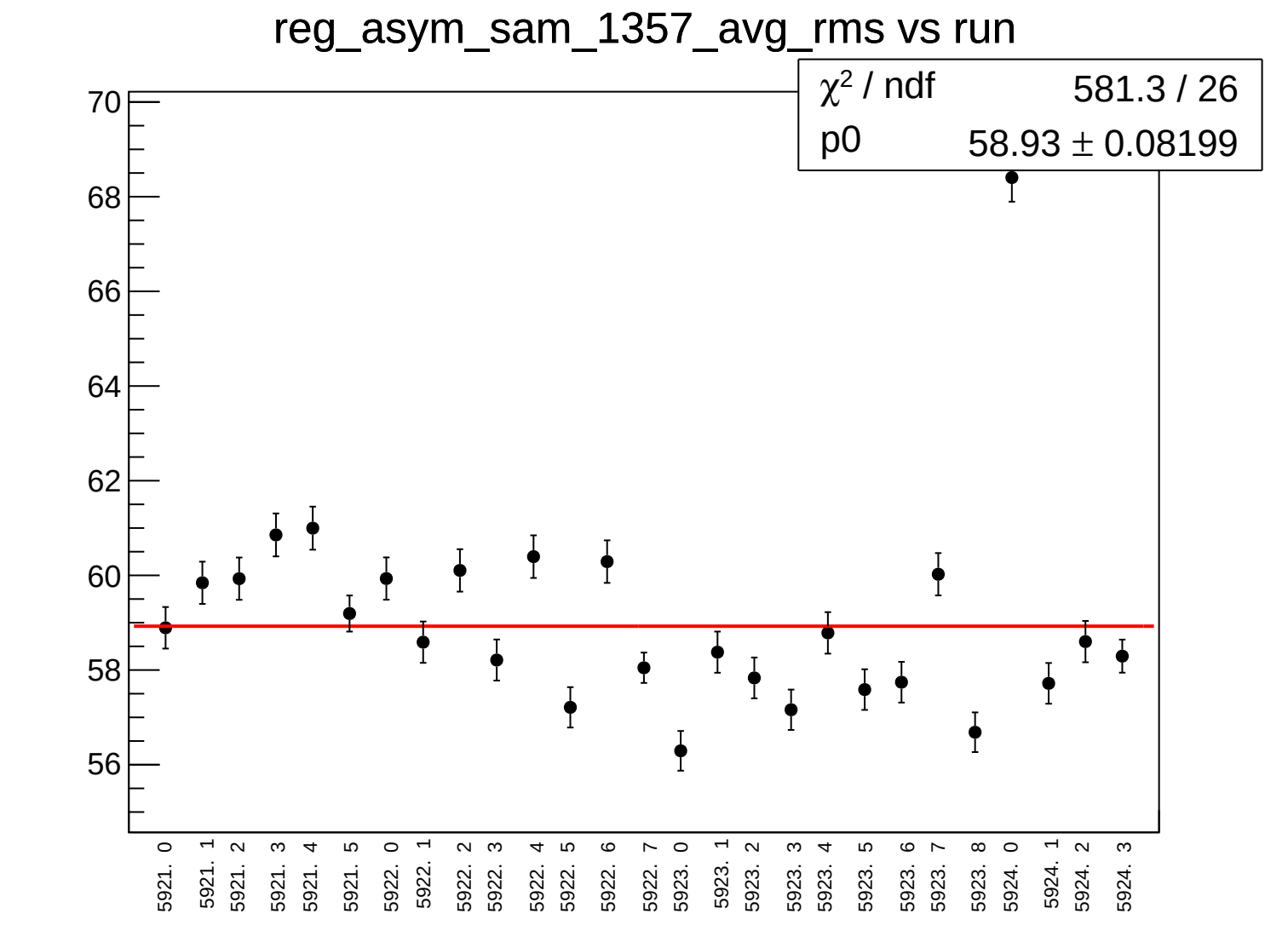

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10^−12
χ² / ndf 32.62 / 26
p0 −1.095e−14 ± 2.791e−14
1
0.5
0
−0.5
−1
−1.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 13.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

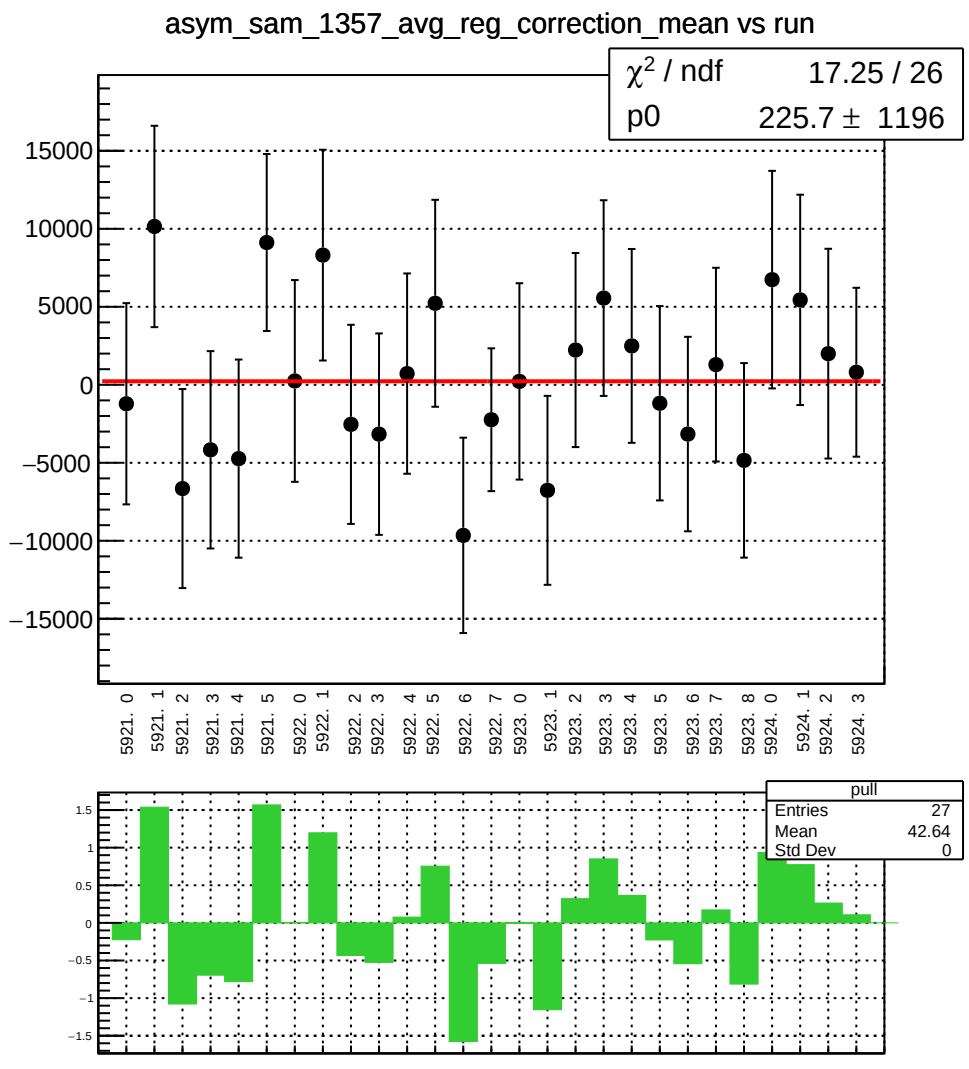

pull1D
Entries 27
Mean −0.03088
Std Dev 1.099
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

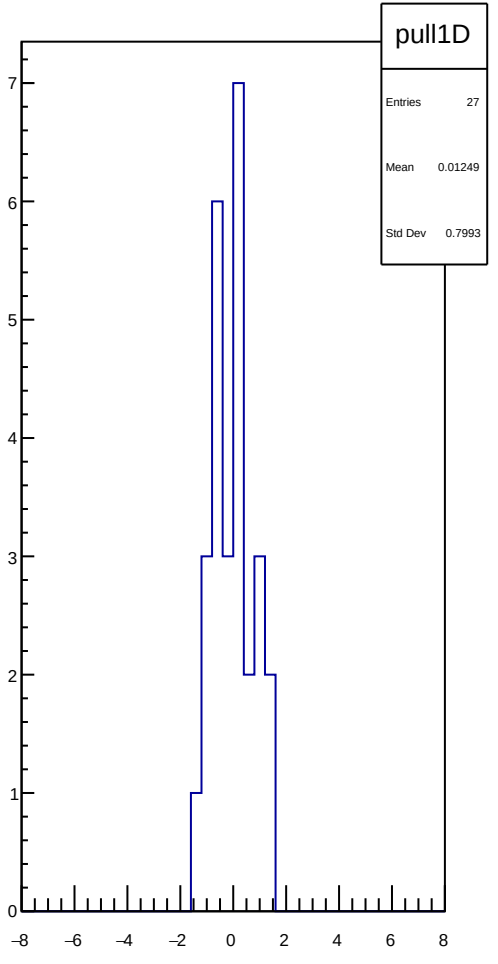

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 9.253e+04 / 26
p0 1.286e−11 ± 1.974e−14
50
40
30
20
10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

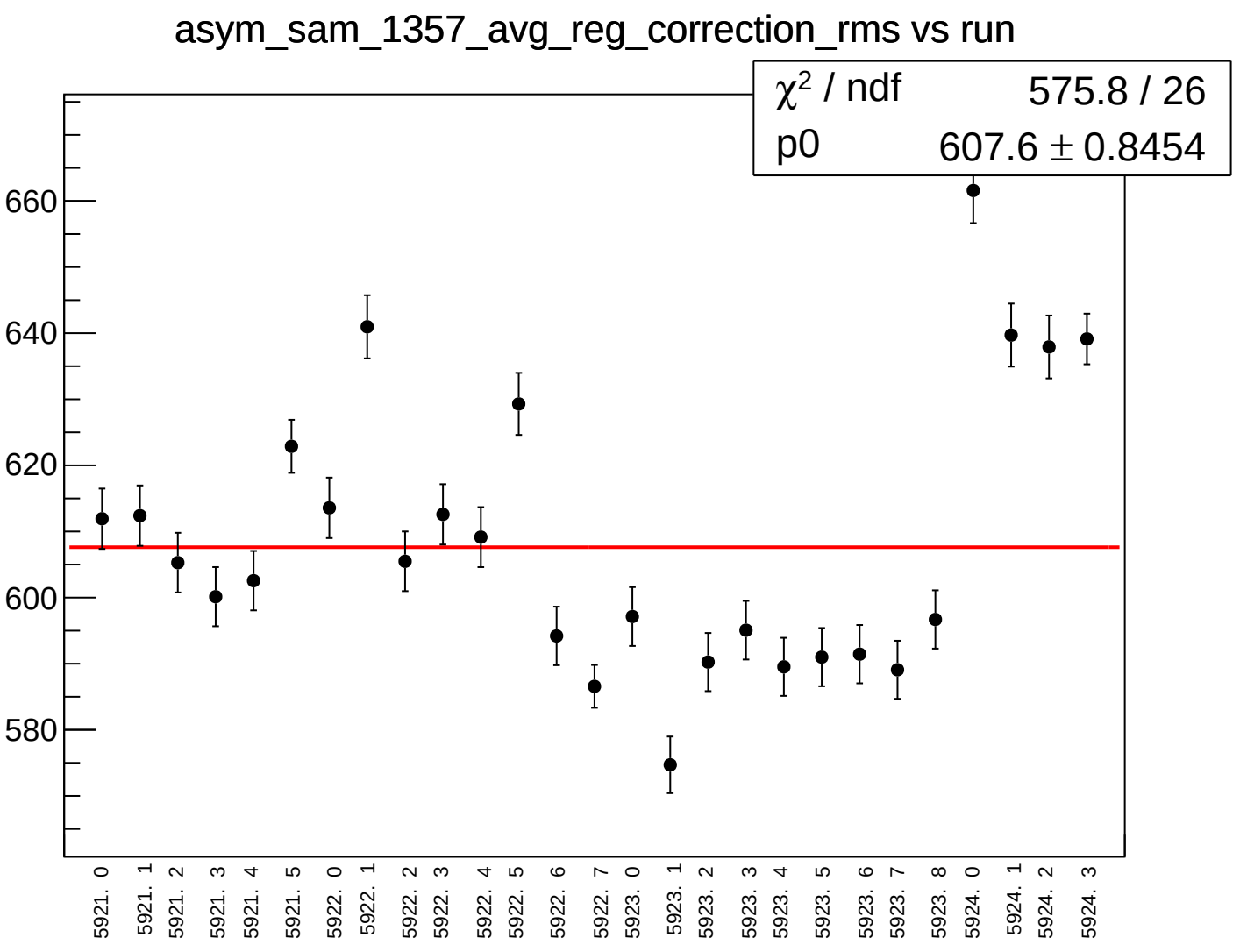

reg_asym_sam_1357_avg_mean vs run
χ² / ndf 19.2 / 26
p0 −151.4 ± 115.9
1500
1000
500
0
−500
−1000
−1500
−2000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 76.38
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

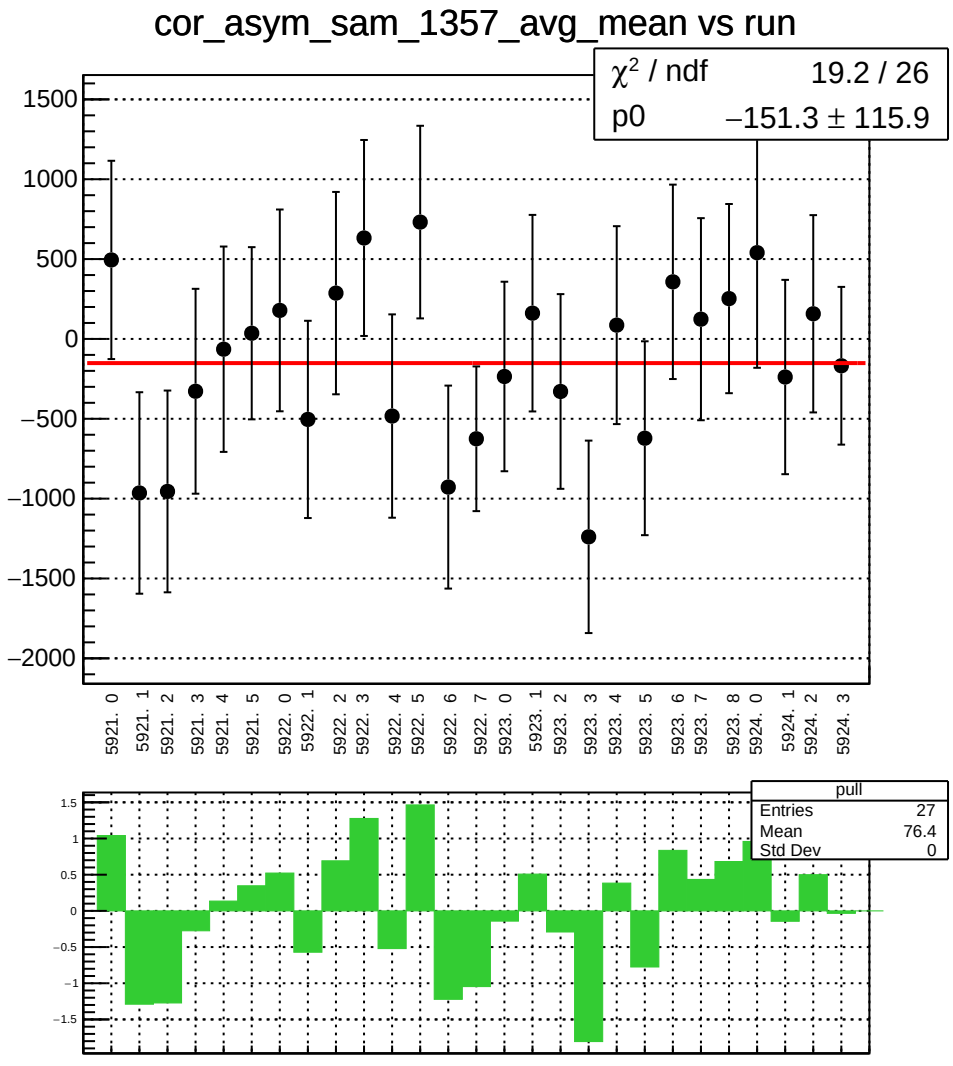

pull1D
Entries 27
Mean 0.01462
Std Dev 0.8431
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

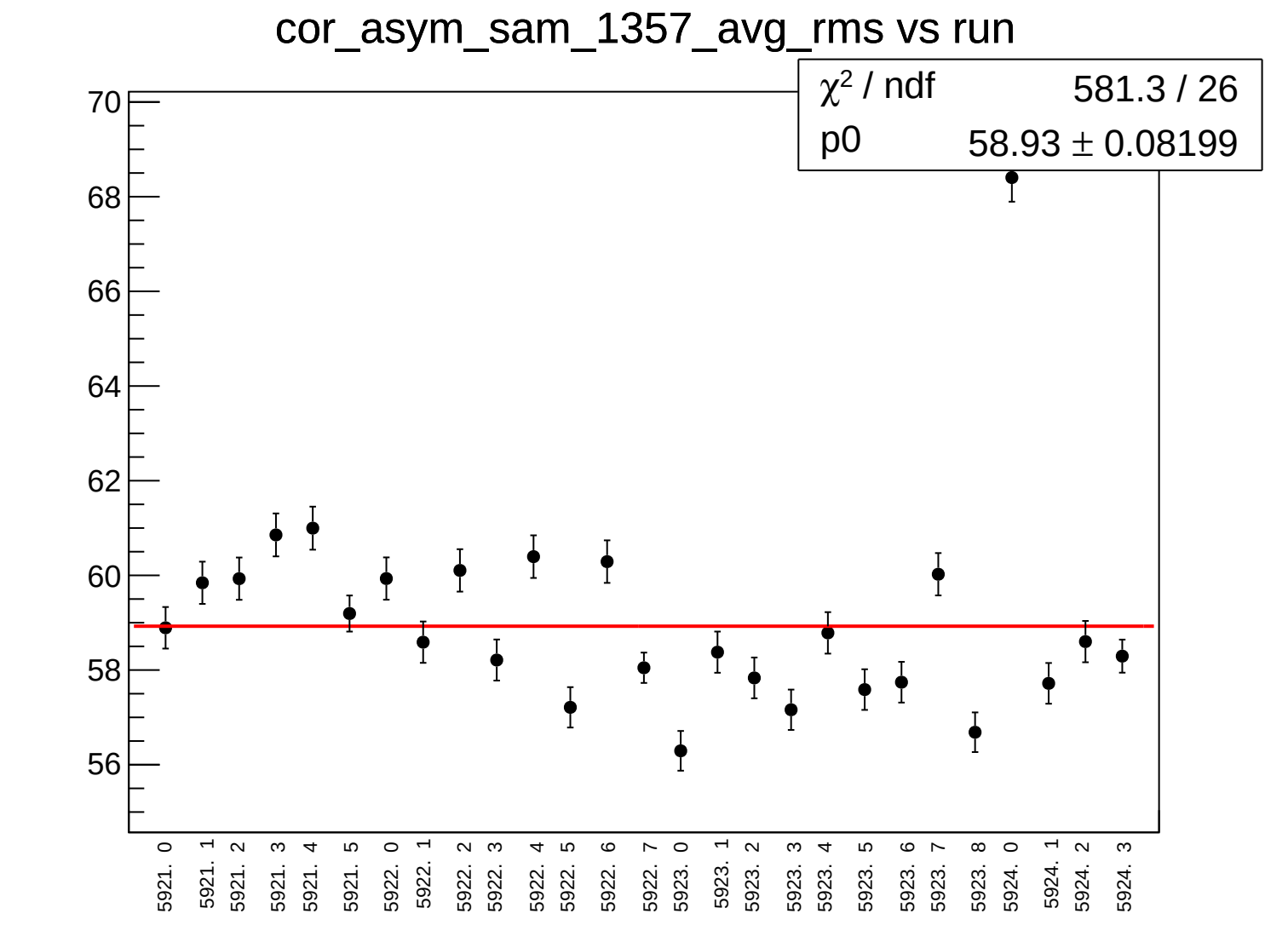

reg_asym_sam_1357_avg_rms vs run
χ² / ndf 581.3 / 26
p0 58.93 ± 0.08199
70
68
66
64
62
60
58
56
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

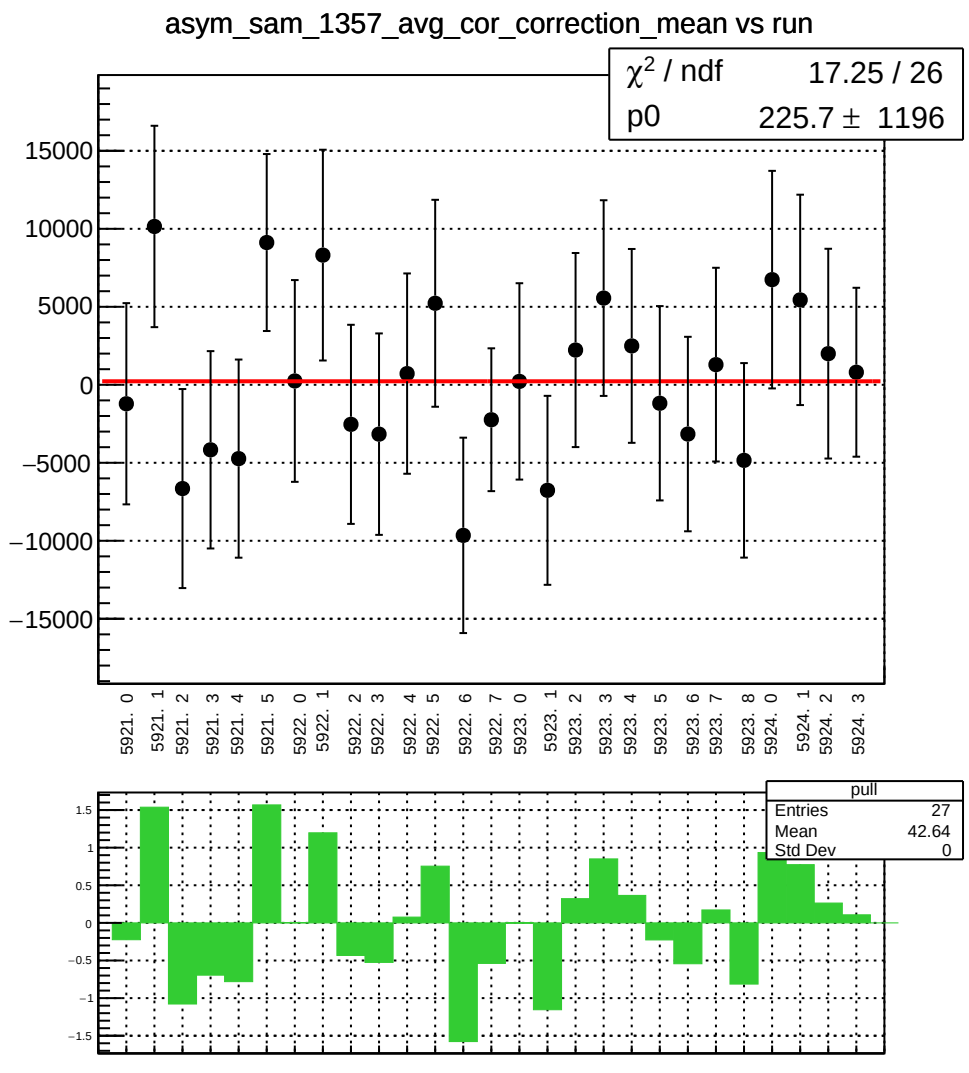

asym_sam_1357_avg_reg_correction_mean vs run
χ² / ndf 17.25 / 26
p0 225.7 ± 1196
15000
10000
5000
0
−5000
−10000
−15000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 42.64
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

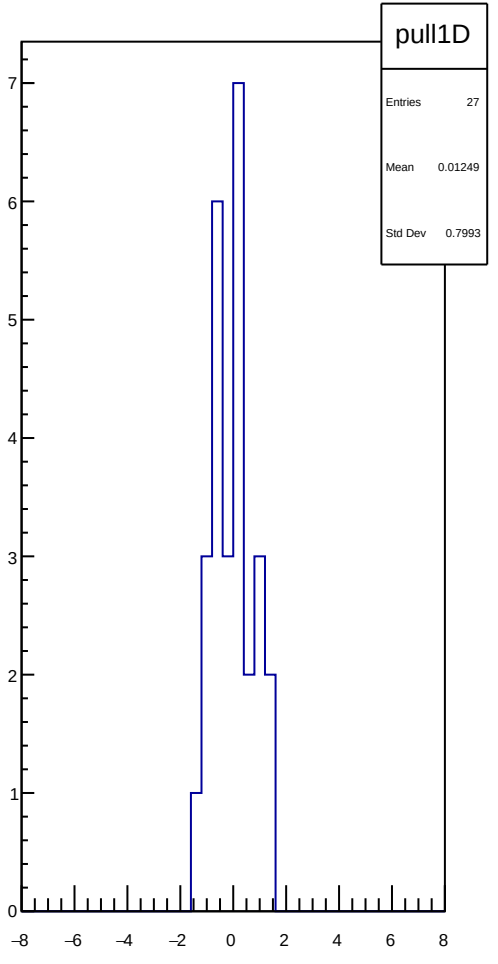

pull1D
Entries 27
Mean 0.01249
Std Dev 0.7993
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

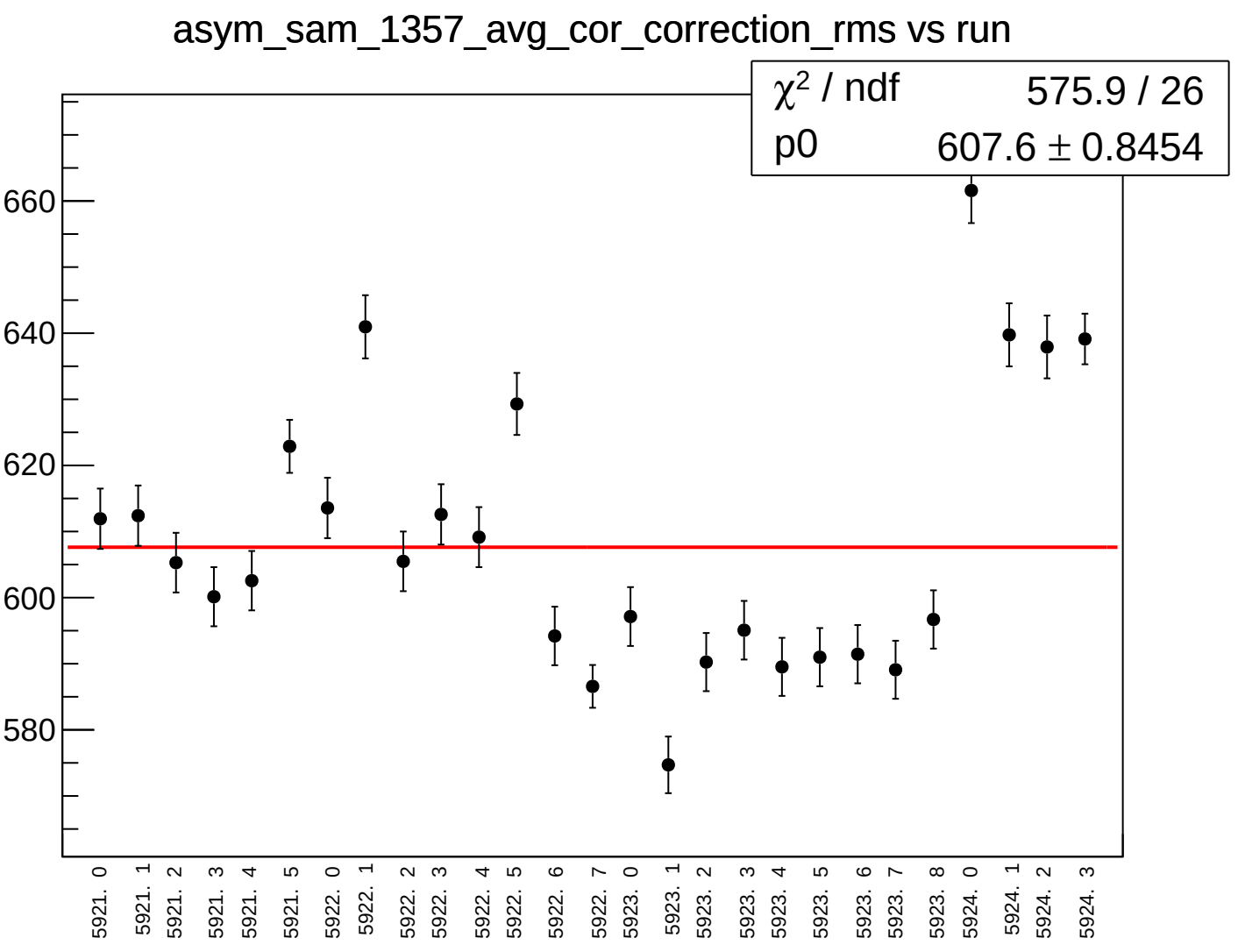

asym_sam_1357_avg_reg_correction_rms vs run
χ² / ndf 575.8 / 26
p0 607.6 ± 0.8454
660
640
620
600
580
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

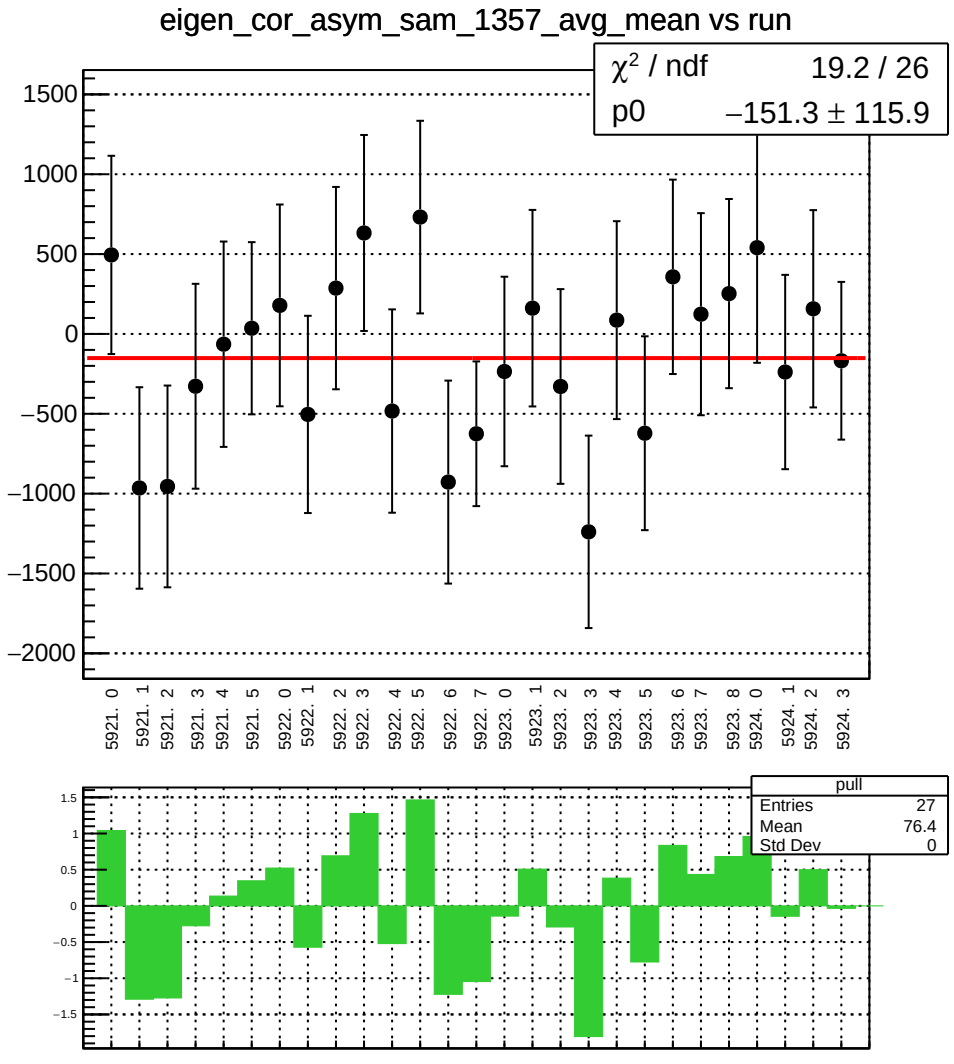

cor_asym_sam_1357_avg_mean vs run
χ² / ndf 19.2 / 26
p0 −151.3 ± 115.9
1500
1000
500
0
−500
−1000
−1500
−2000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 76.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.01463
Std Dev 0.8432
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

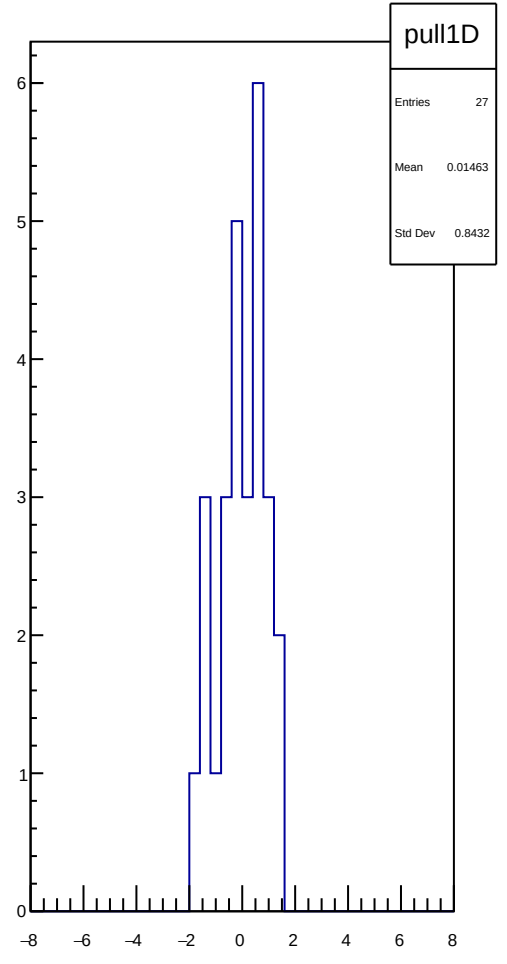

cor_asym_sam_1357_avg_rms vs run
χ² / ndf 581.3 / 26
p0 58.93 ± 0.08199
70
68
66
64
62
60
58
56
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

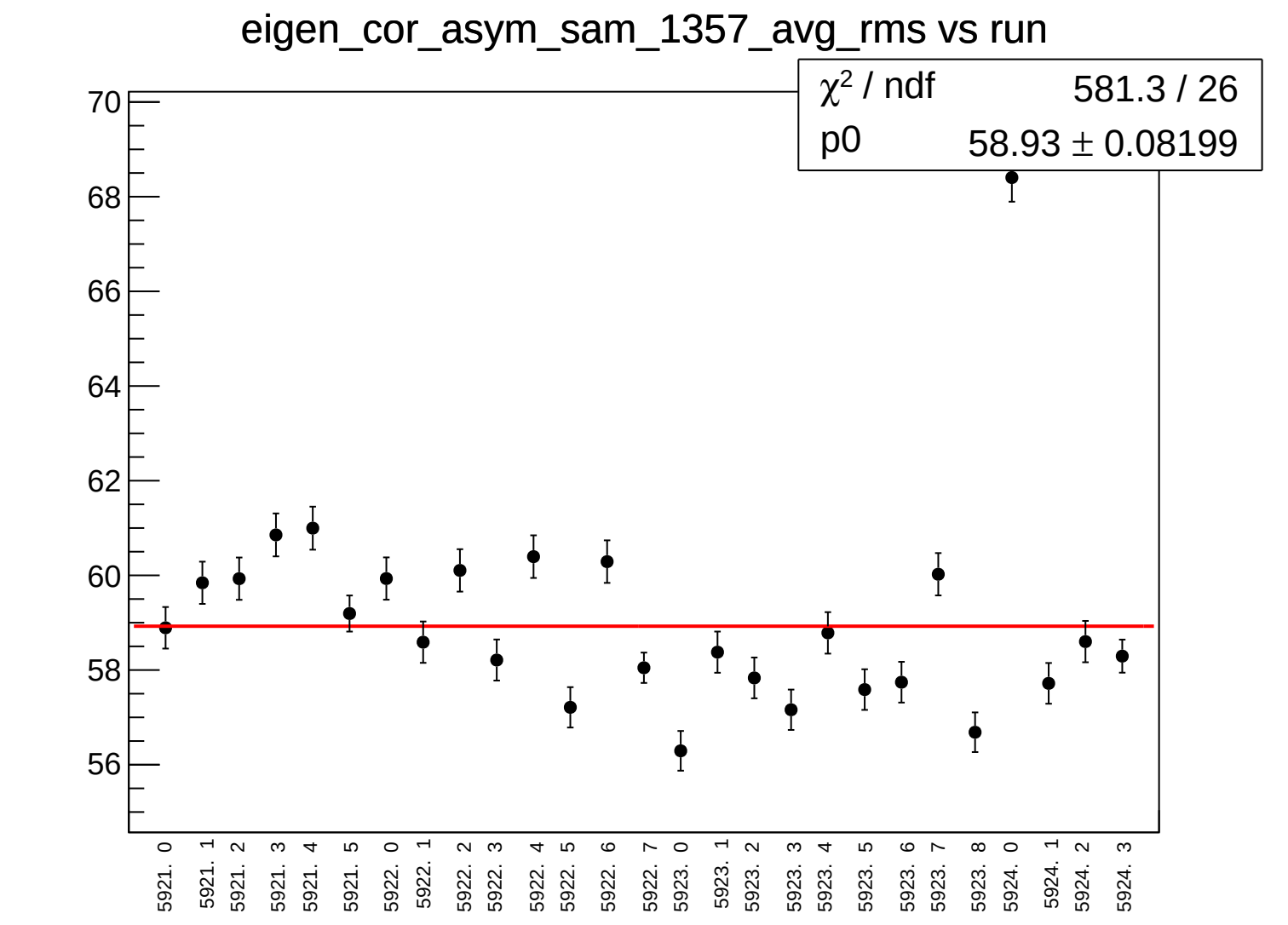

asym_sam_1357_avg_cor_correction_mean vs run
χ² / ndf 17.25 / 26
p0 225.7 ± 1196
15000
10000
5000
0
−5000
−10000
−15000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 42.64
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

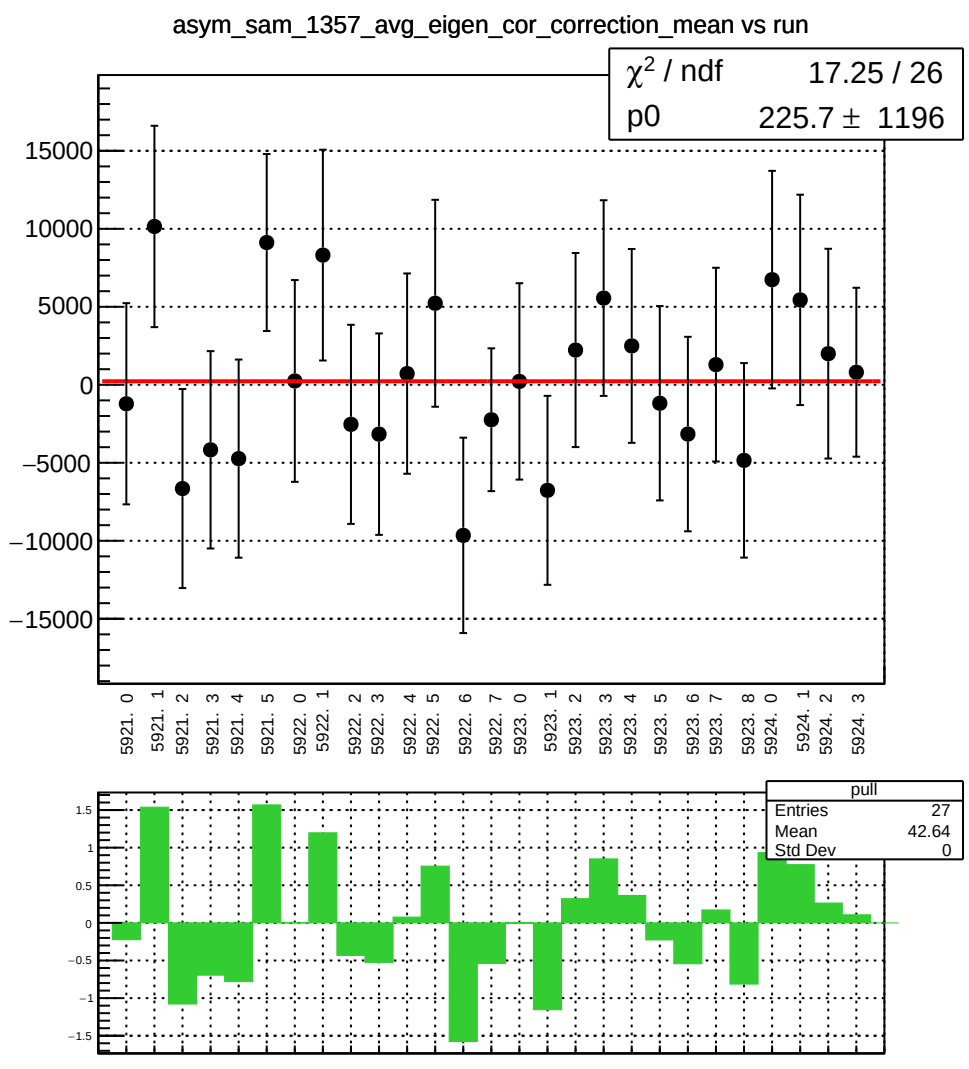

pull1D
Entries 27
Mean 0.01249
Std Dev 0.7993
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

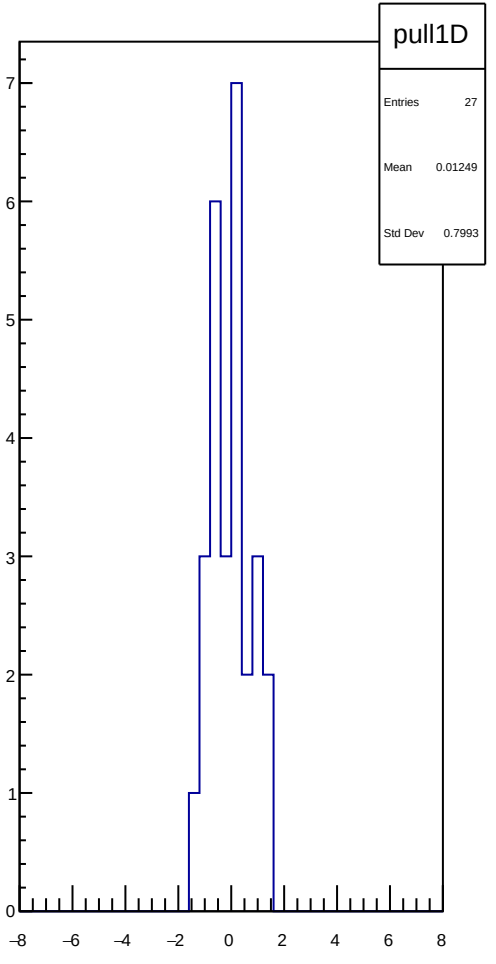

asym_sam_1357_avg_cor_correction_rms vs run
χ² / ndf 575.9 / 26
p0 607.6 ± 0.8454
660
640
620
600
580
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

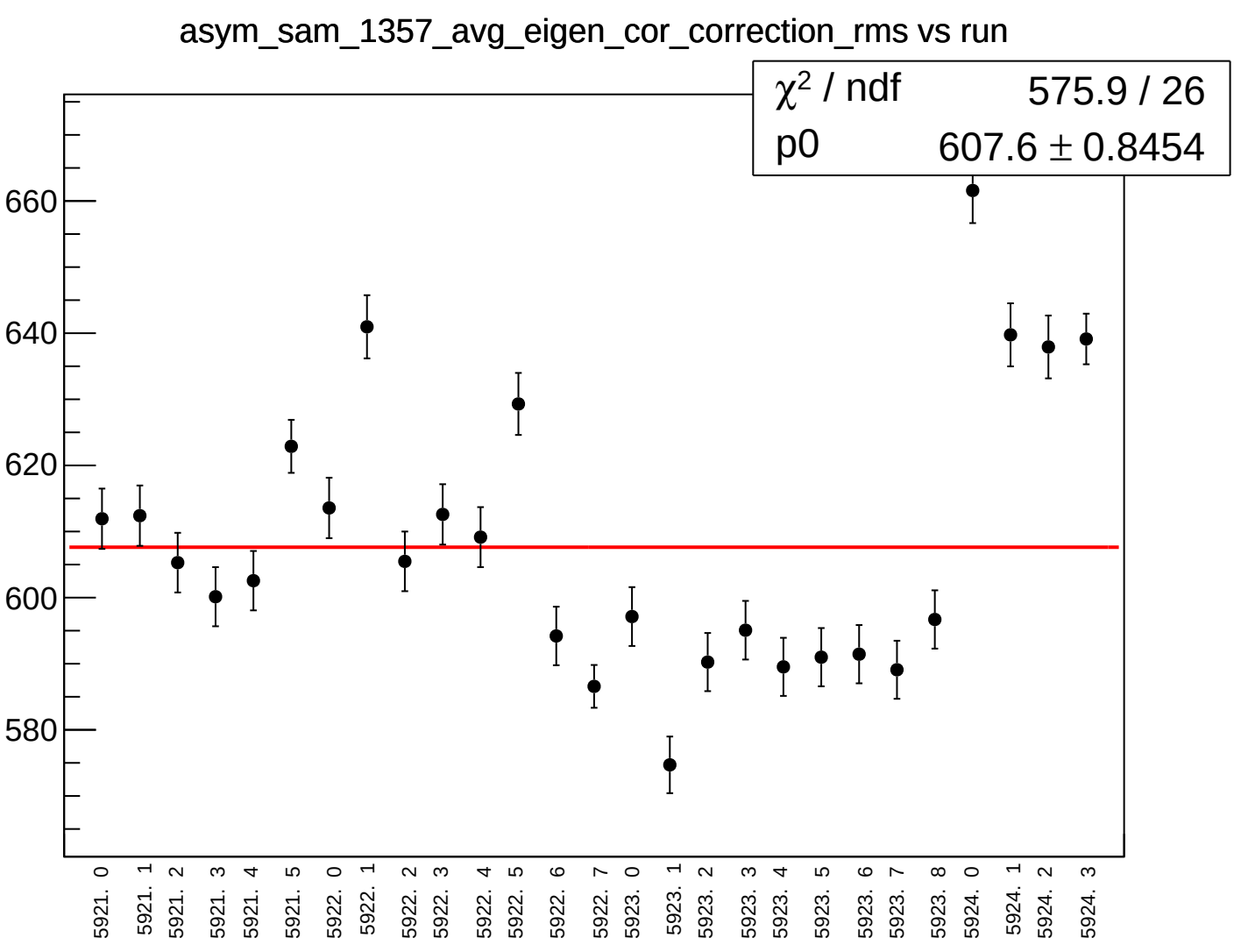

eigen_cor_asym_sam_1357_avg_mean vs run
χ² / ndf 19.2 / 26
p0 −151.3 ± 115.9
1500
1000
500
0
−500
−1000
−1500
−2000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 76.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

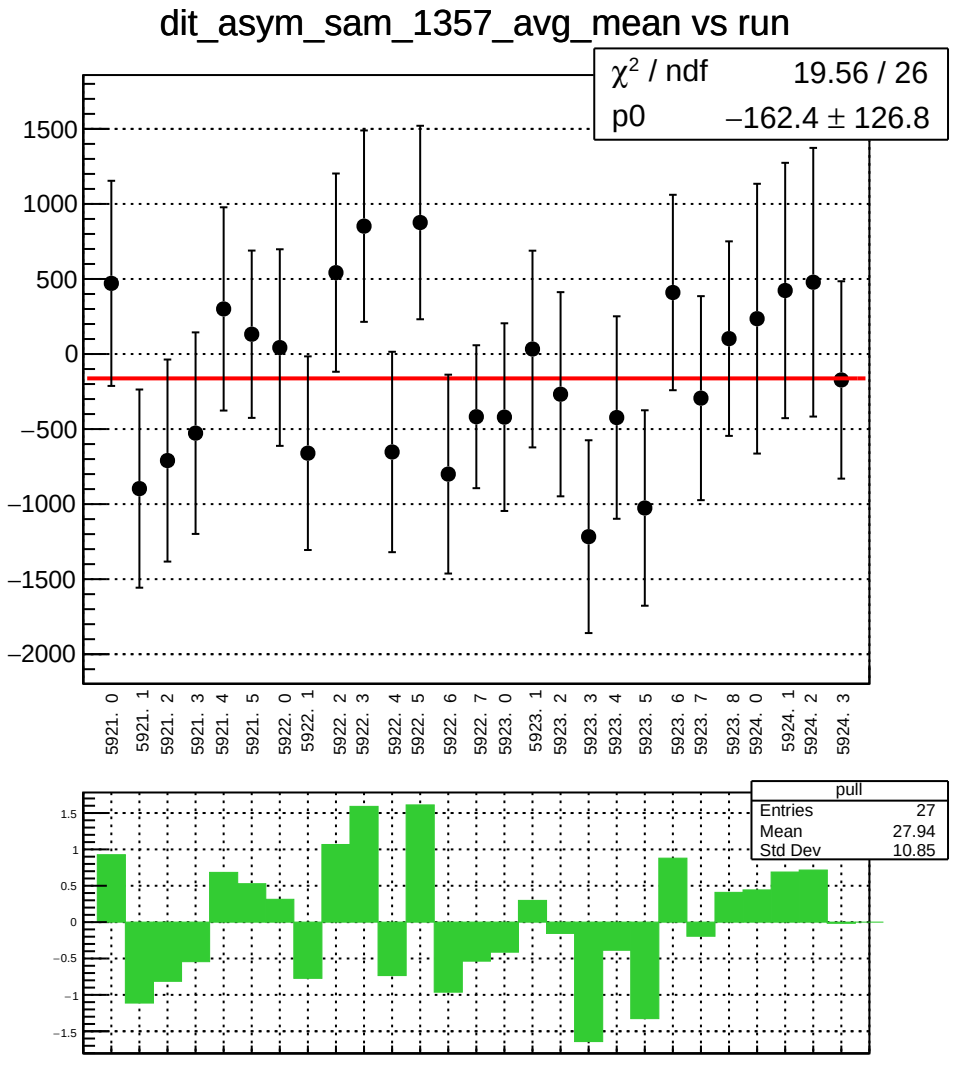

pull1D
Entries 27
Mean 0.01463
Std Dev 0.8432
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

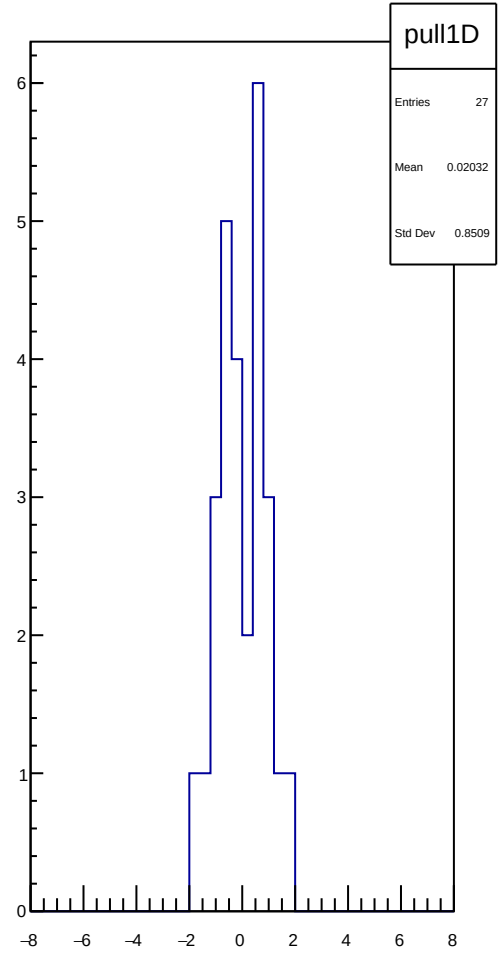

eigen_cor_asym_sam_1357_avg_rms vs run
χ² / ndf 581.3 / 26
p0 58.93 ± 0.08199
70
68
66
64
62
60
58
56
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

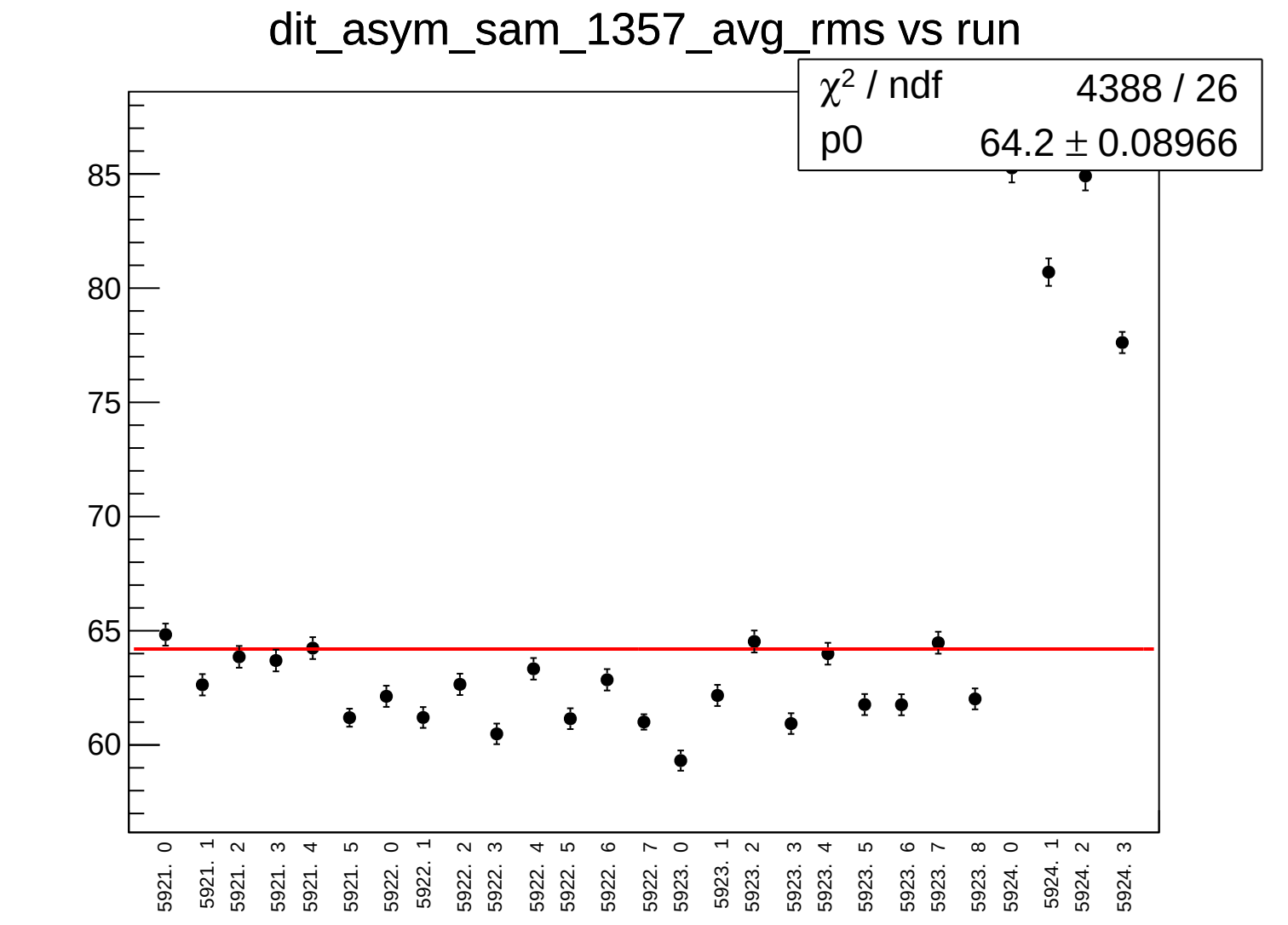

asym_sam_1357_avg_eigen_cor_correction_mean vs run
χ² / ndf 17.25 / 26
p0 225.7 ± 1196
15000
10000
5000
0
−5000
−10000
−15000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 42.64
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

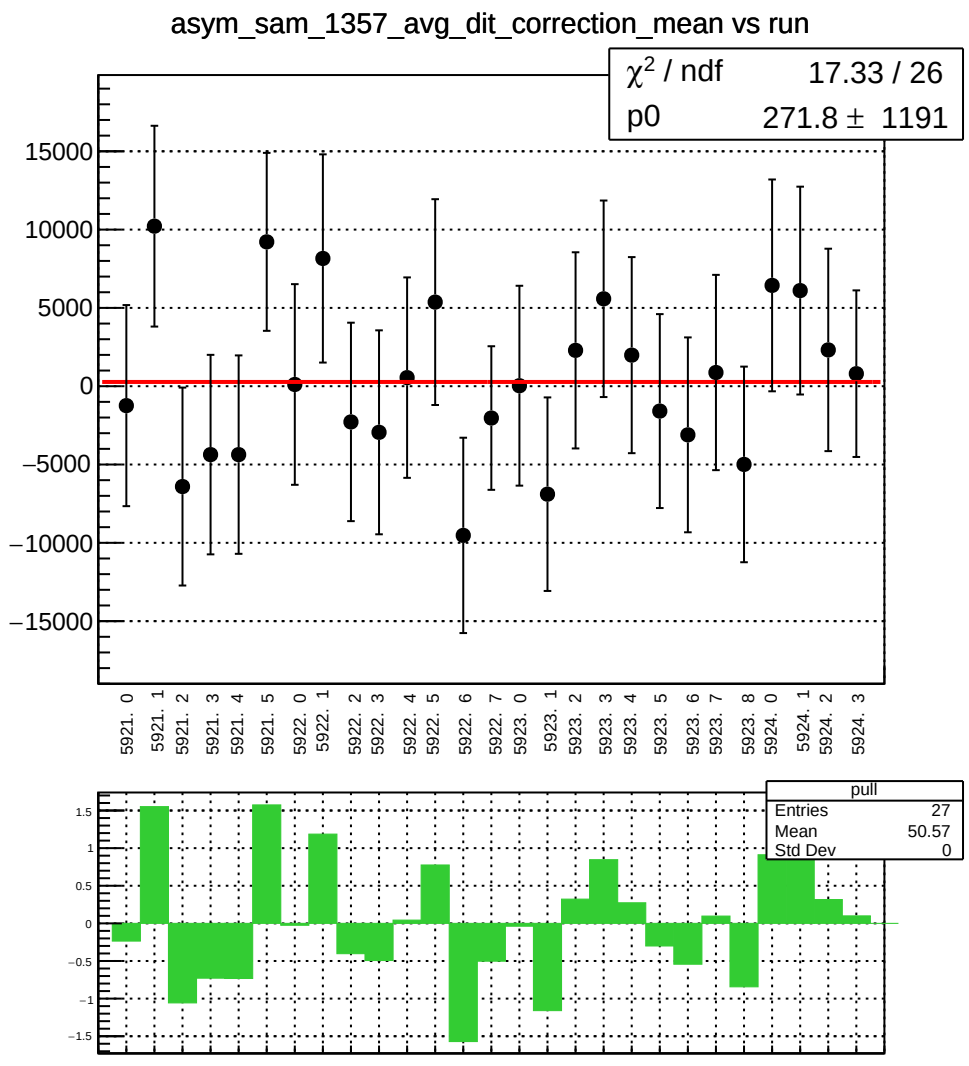

pull1D
Entries 27
Mean 0.01249
Std Dev 0.7993
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

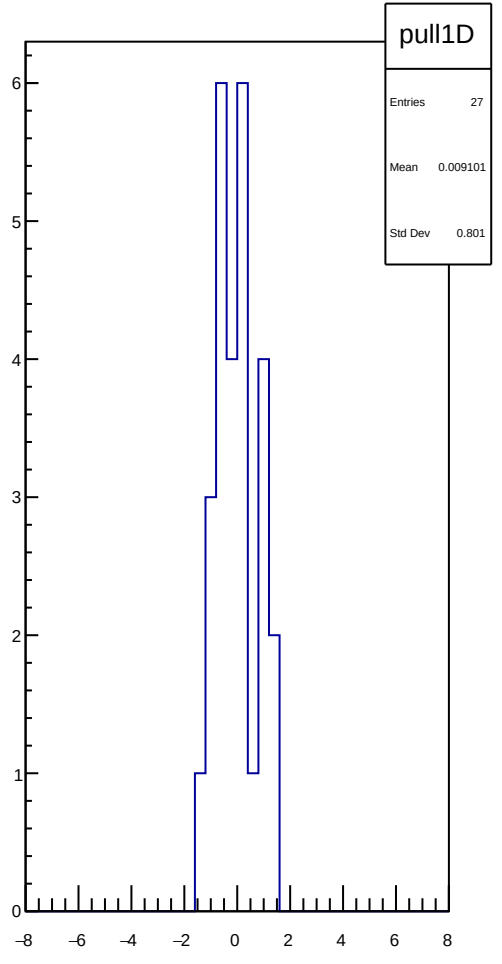

asym_sam_1357_avg_eigen_cor_correction_rms vs run
χ² / ndf 575.9 / 26
p0 607.6 ± 0.8454
660
640
620
600
580
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

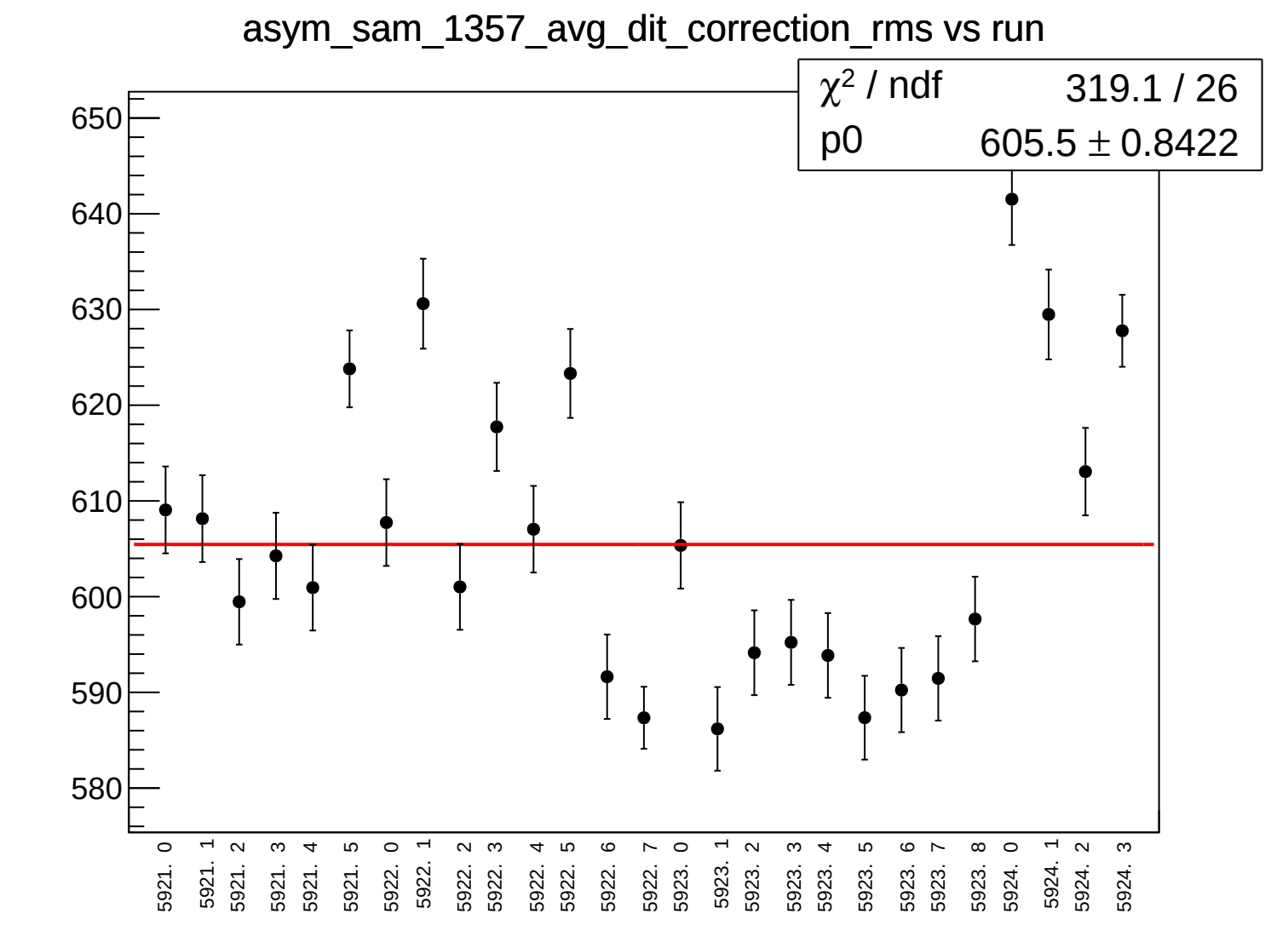

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 19.56 / 26
p0 −162.4 ± 126.8
1500
1000
500
0
−500
−1000
−1500
−2000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 27.94
Std Dev 10.85
1.5
1
0.5
0
−0.5
−1
−1.5

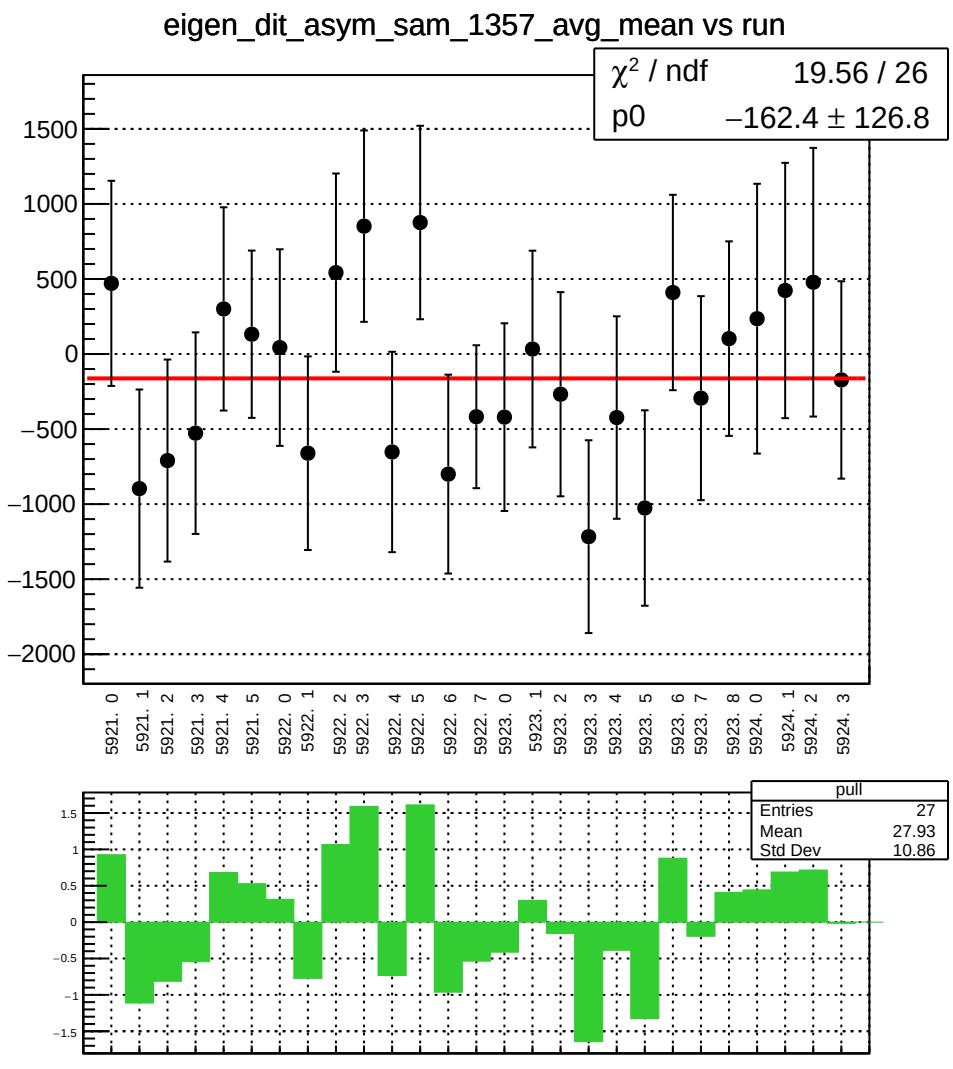

pull1D
Entries 27
Mean 0.02032
Std Dev 0.8509
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

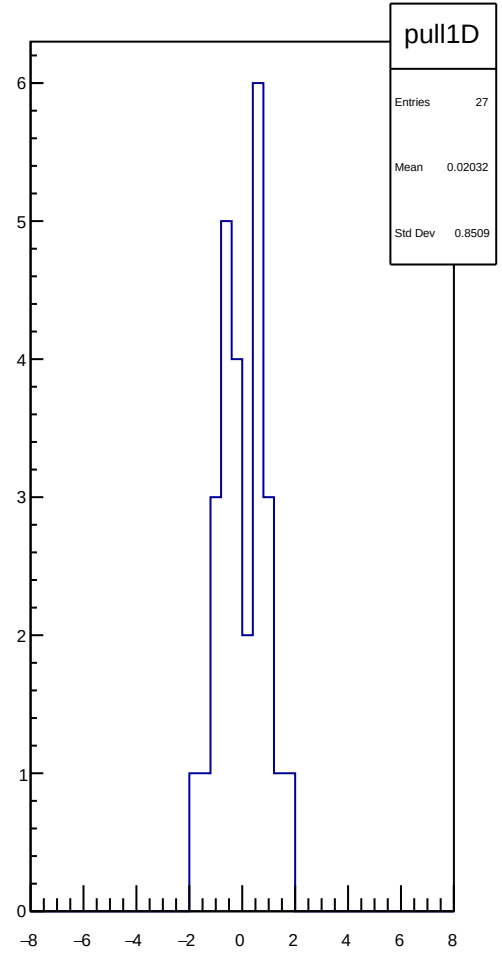

dit_asym_sam_1357_avg_rms vs run
χ² / ndf 4388 / 26
p0 64.2 ± 0.08966
85
80
75
70
65
60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

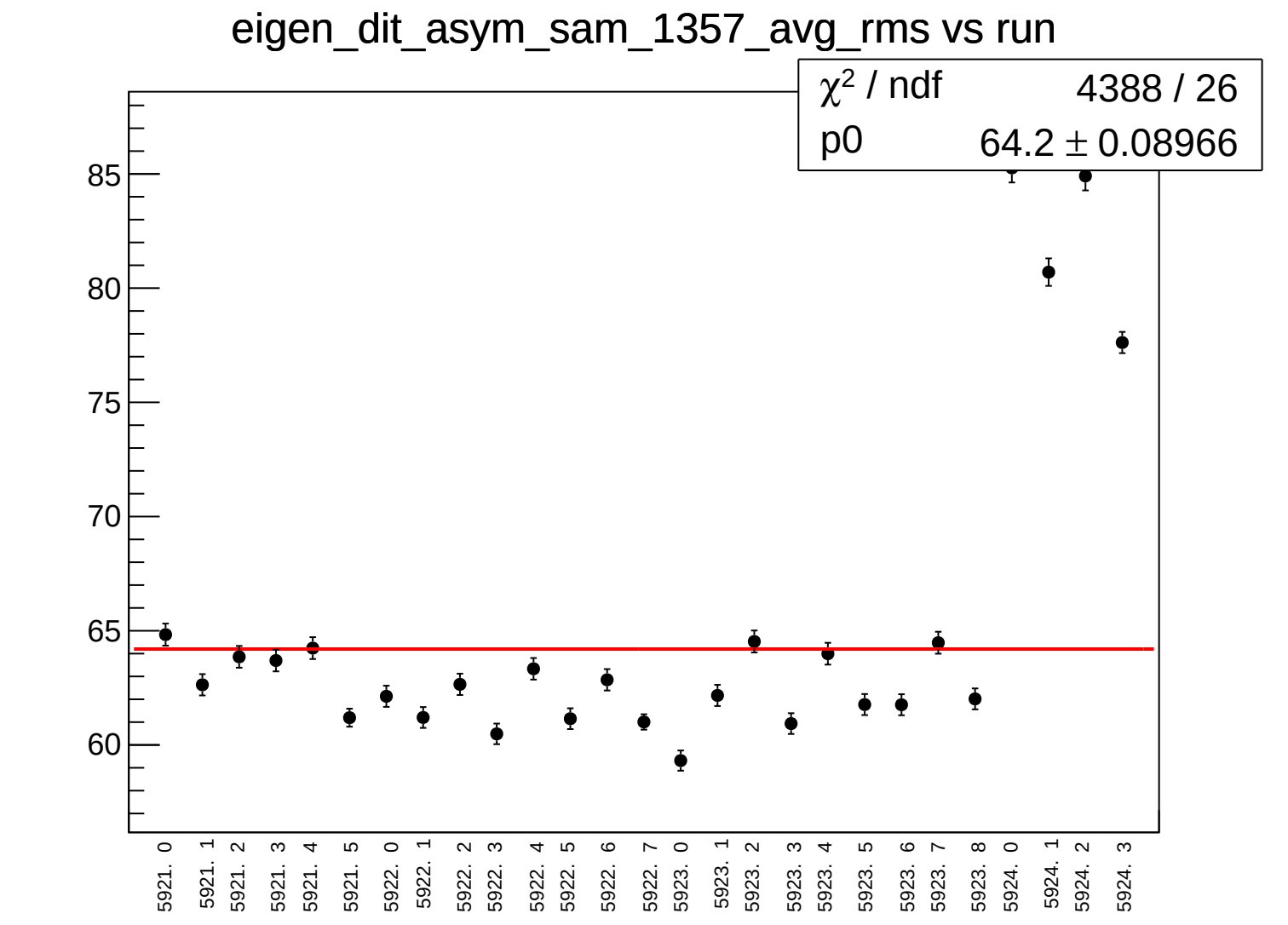

asym_sam_1357_avg_dit_correction_mean vs run
χ² / ndf 17.33 / 26
p0 271.8 ± 1191
15000
10000
5000
0
−5000
−10000
−15000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 50.57
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

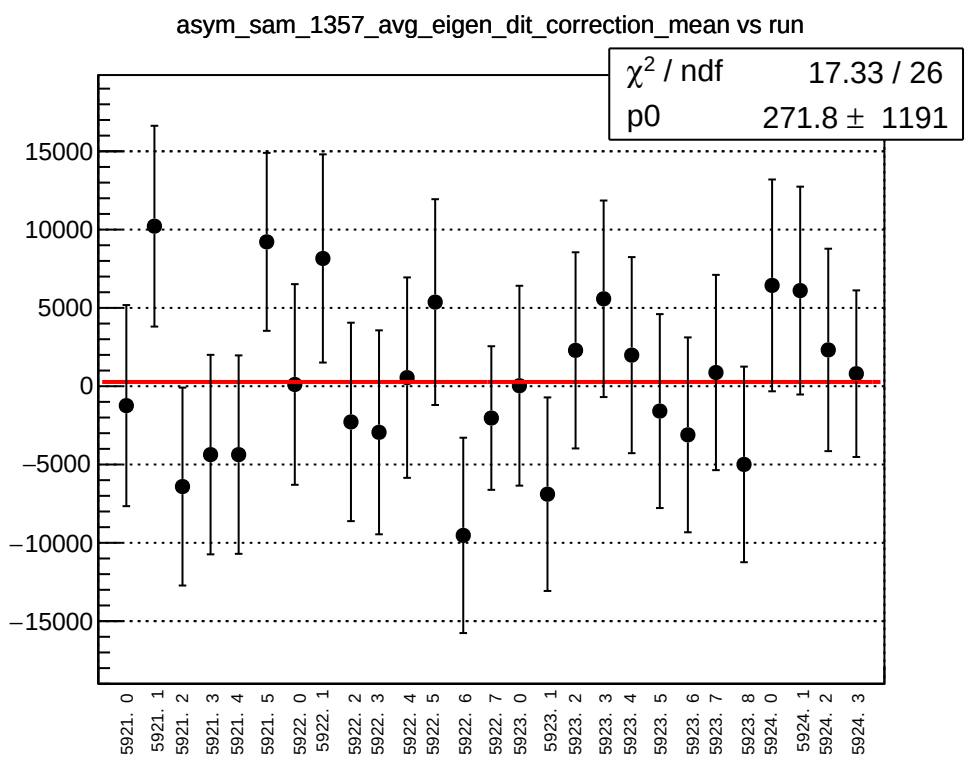

pull1D
Entries 27
Mean 0.009101
Std Dev 0.801
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

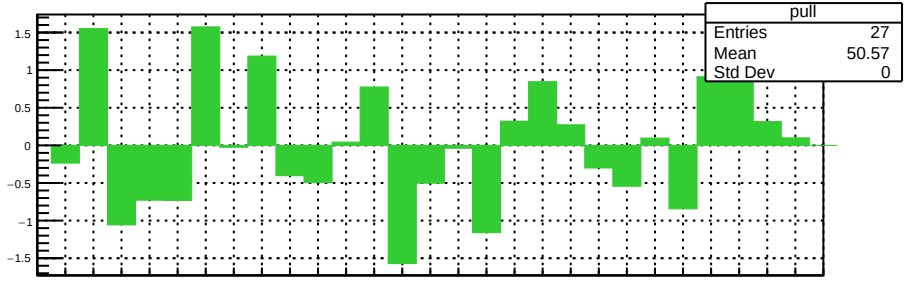

asym_sam_1357_avg_dit_correction_rms vs run
χ² / ndf 319.1 / 26
p0 605.5 ± 0.8422
650
640
630
620
610
600
590
580
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

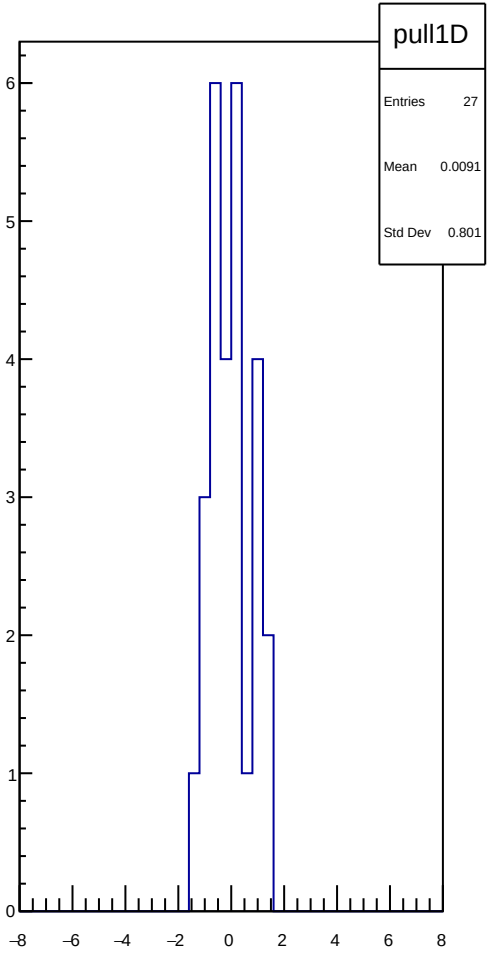

eigen_dit_asym_sam_1357_avg_mean vs run
χ² / ndf 19.56 / 26
p0 −162.4 ± 126.8
1500
1000
500
0
−500
−1000
−1500
−2000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 27.93
Std Dev 10.86
1.5
1
0.5
0
−0.5
−1
−1.5

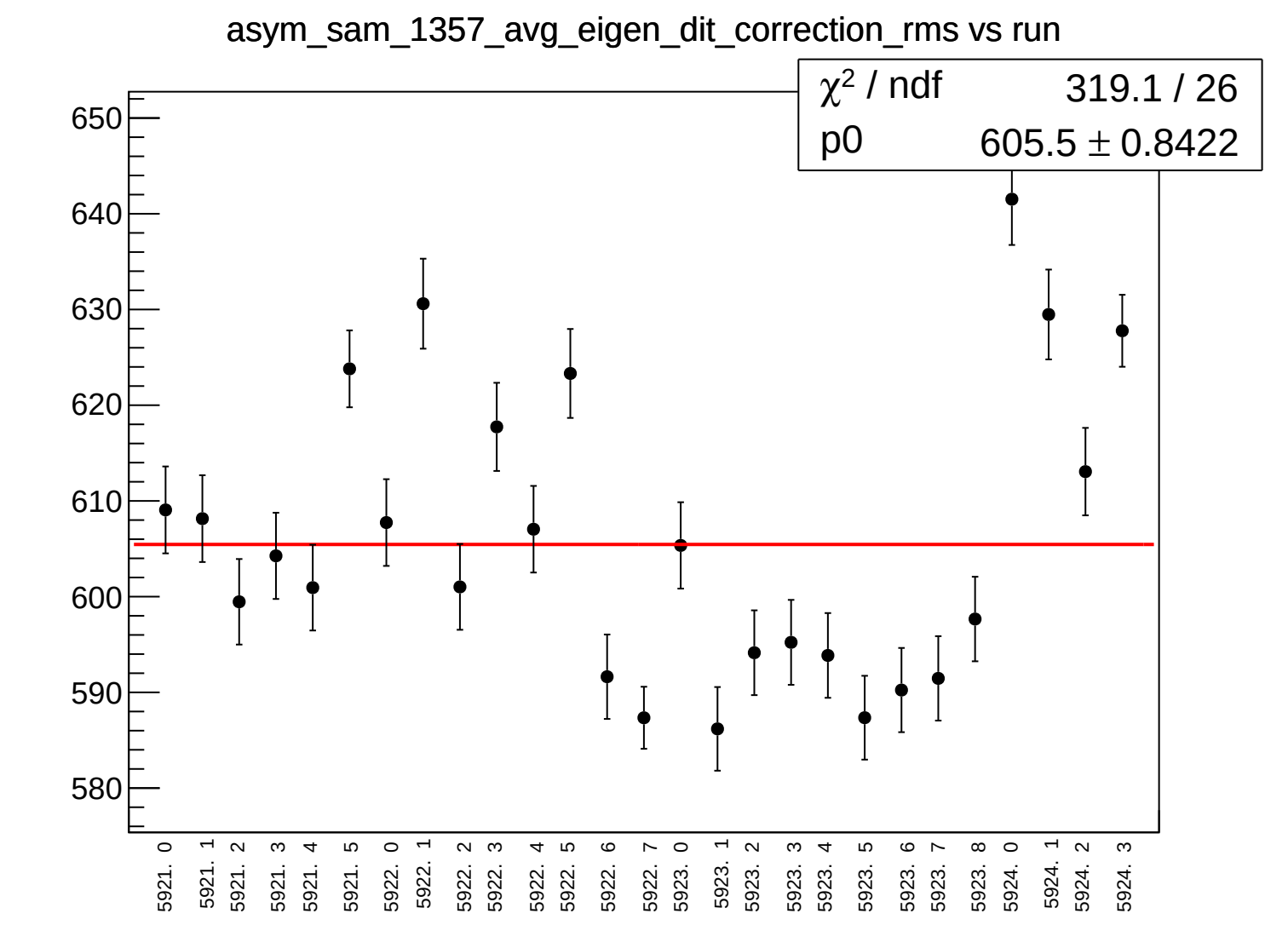

pull1D
Entries 27
Mean 0.02032
Std Dev 0.8509
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

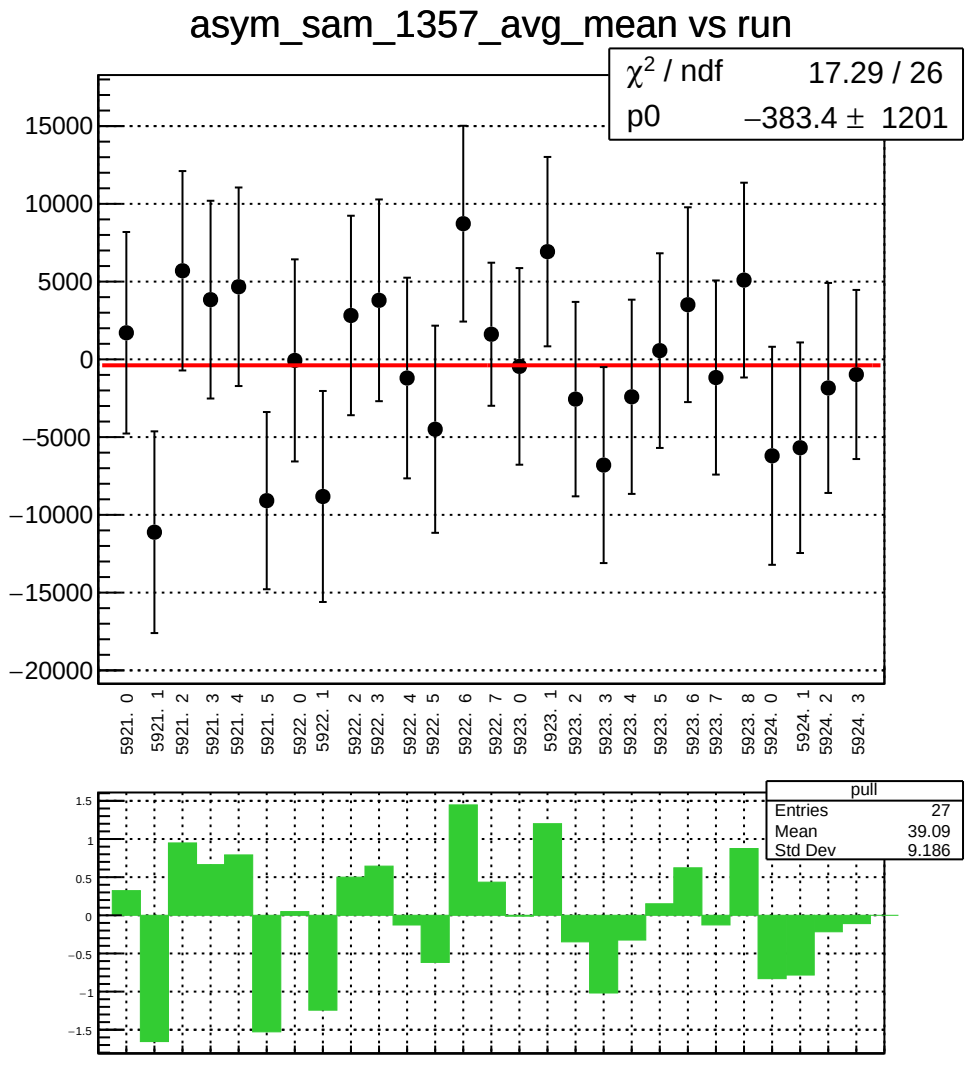

eigen_dit_asym_sam_1357_avg_rms vs run
χ² / ndf 4388 / 26
p0 64.2 ± 0.08966
85
80
75
70
65
60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

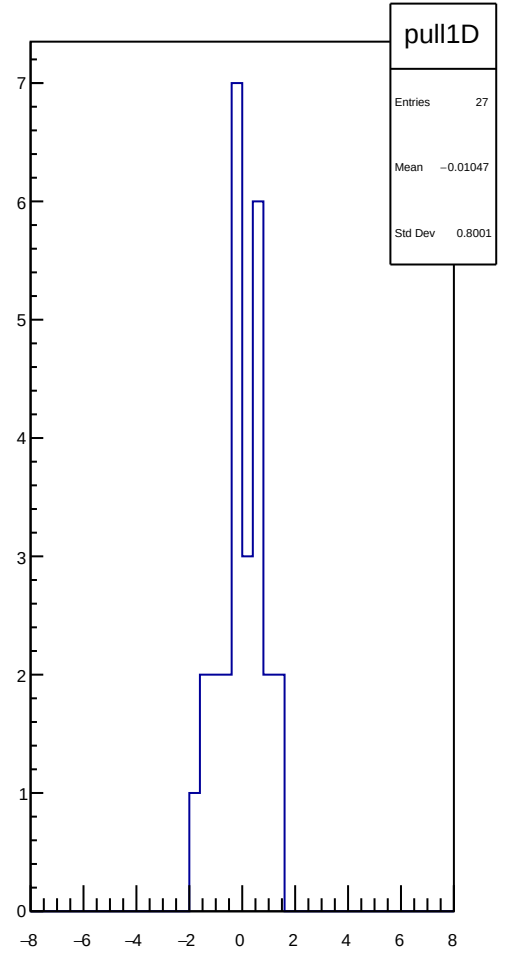

asym_sam_1357_avg_eigen_dit_correction_mean vs run
χ² / ndf 17.33 / 26
p0 271.8 ± 1191
15000
10000
5000
0
−5000
−10000
−15000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

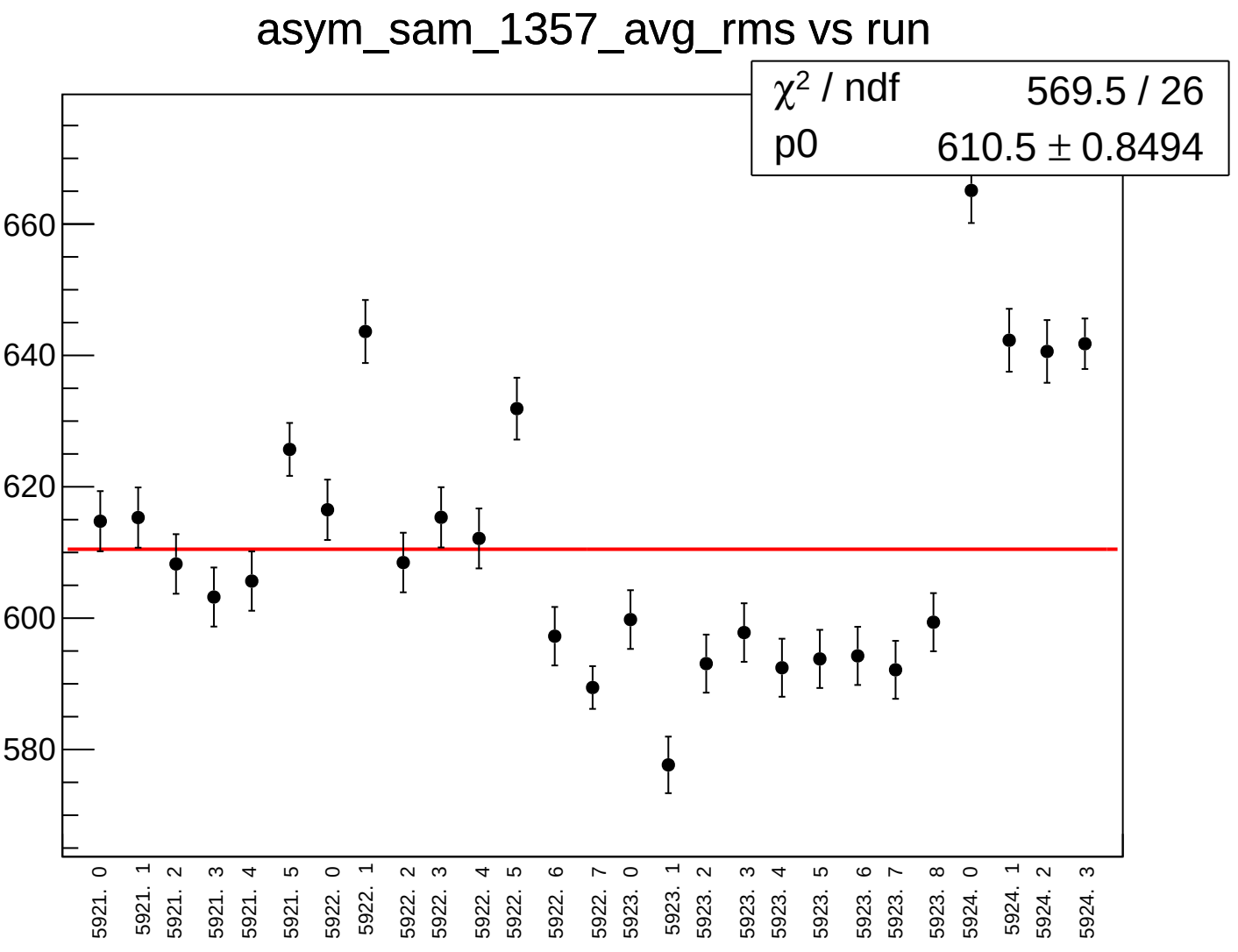

pull
Entries 27
Mean 50.57
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

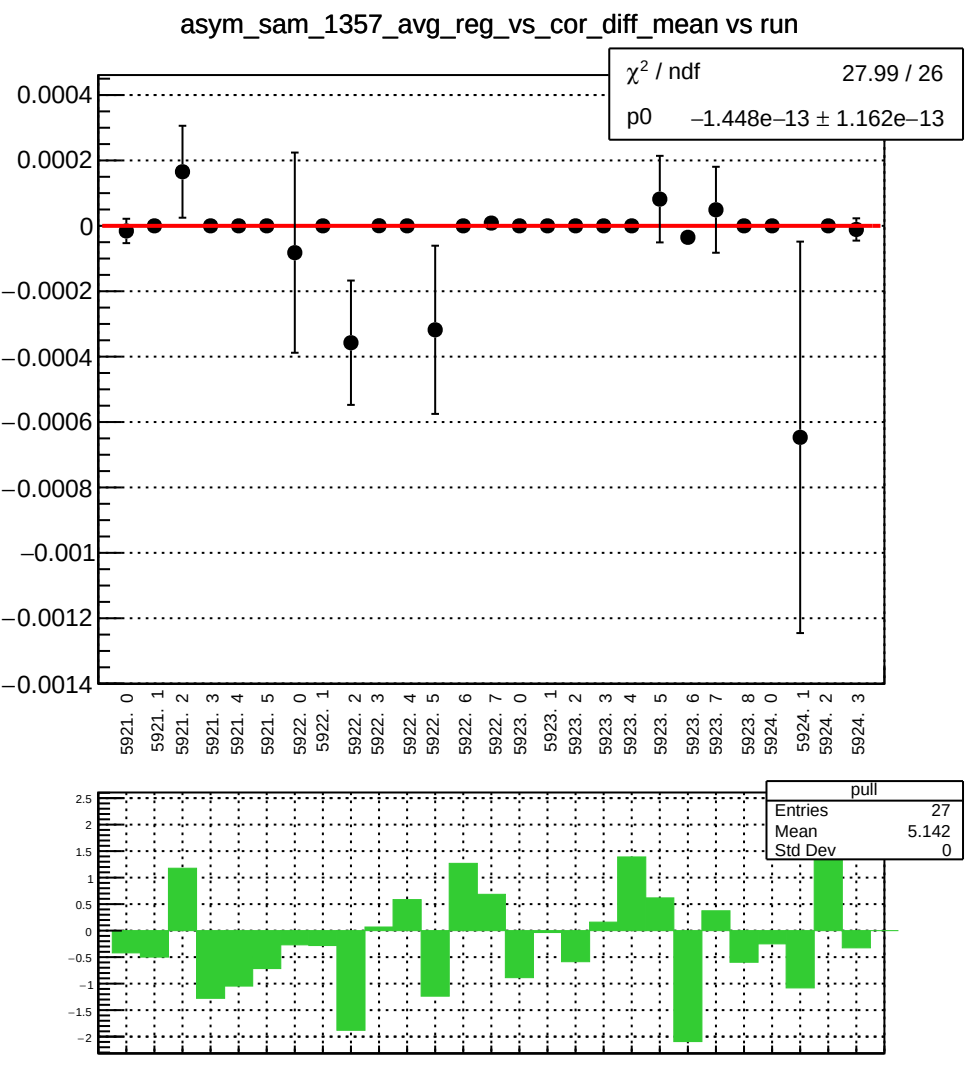

pull1D
Entries 27
Mean 0.0091
Std Dev 0.801
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

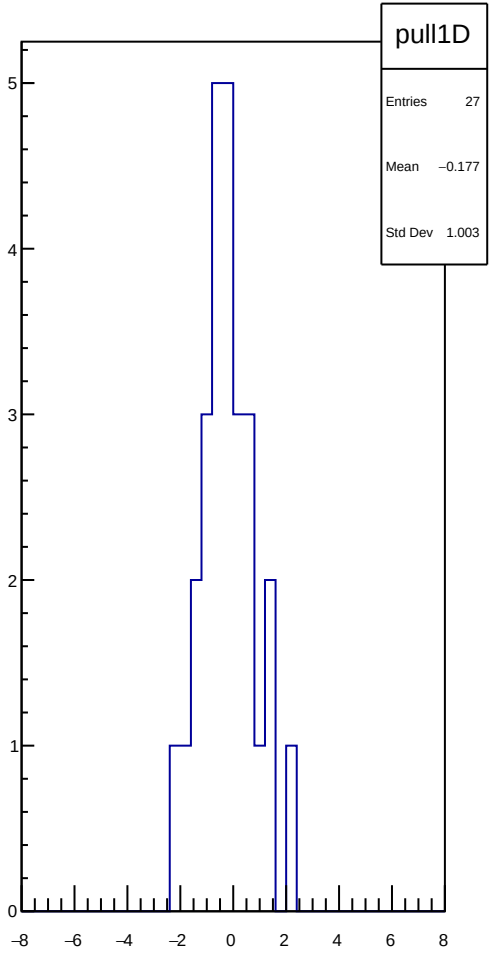

asym_sam_1357_avg_eigen_dit_correction_rms vs run
χ² / ndf 319.1 / 26
p0 605.5 ± 0.8422
650
640
630
620
610
600
590
580
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

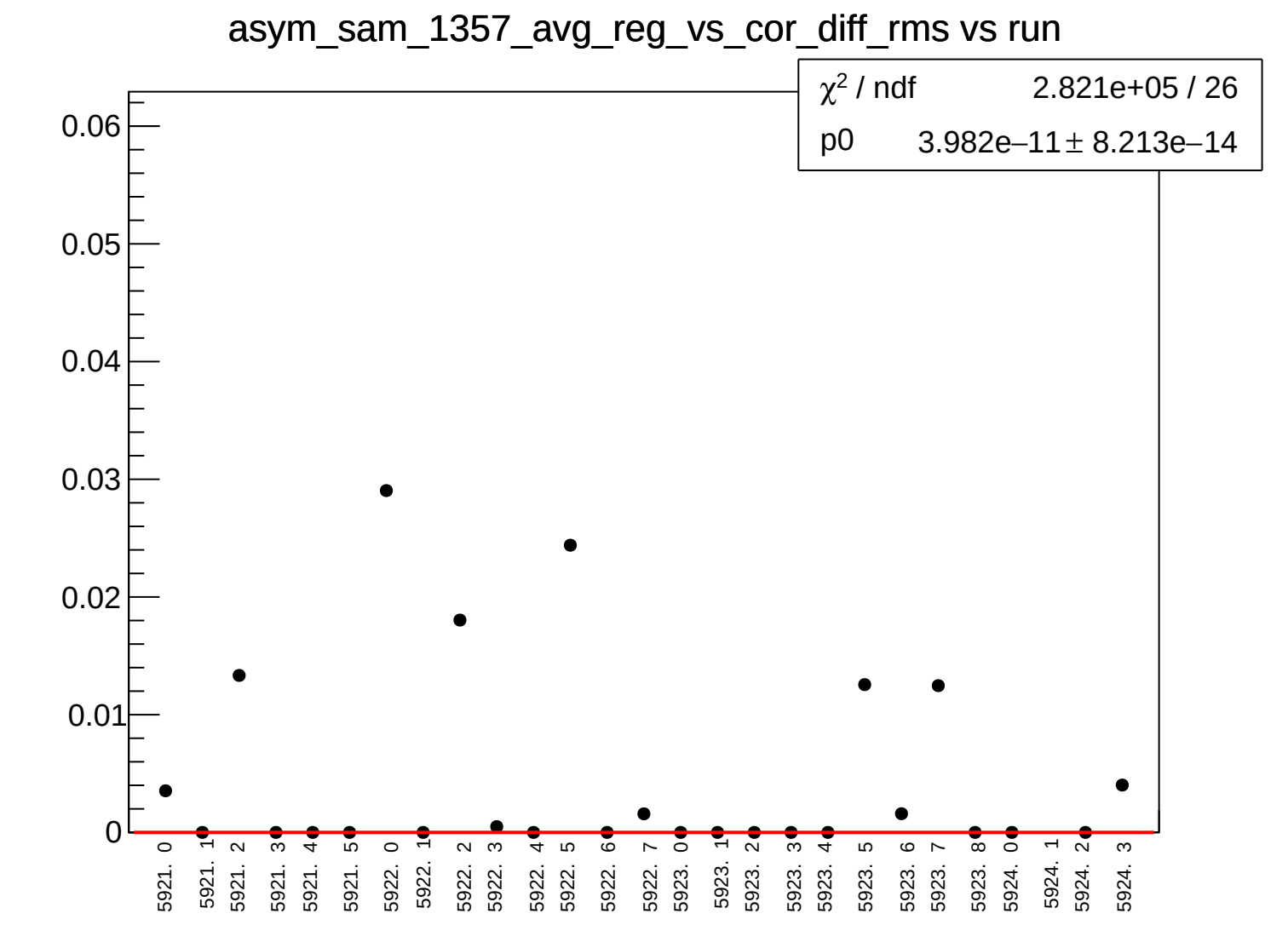

asym_sam_1357_avg_mean vs run
χ² / ndf 17.29 / 26
p0 −383.4 ± 1201
15000
10000
5000
0
−5000
−10000
−15000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 39.09
Std Dev 9.186
1.5
1
0.5
0
−0.5
−1
−1.5

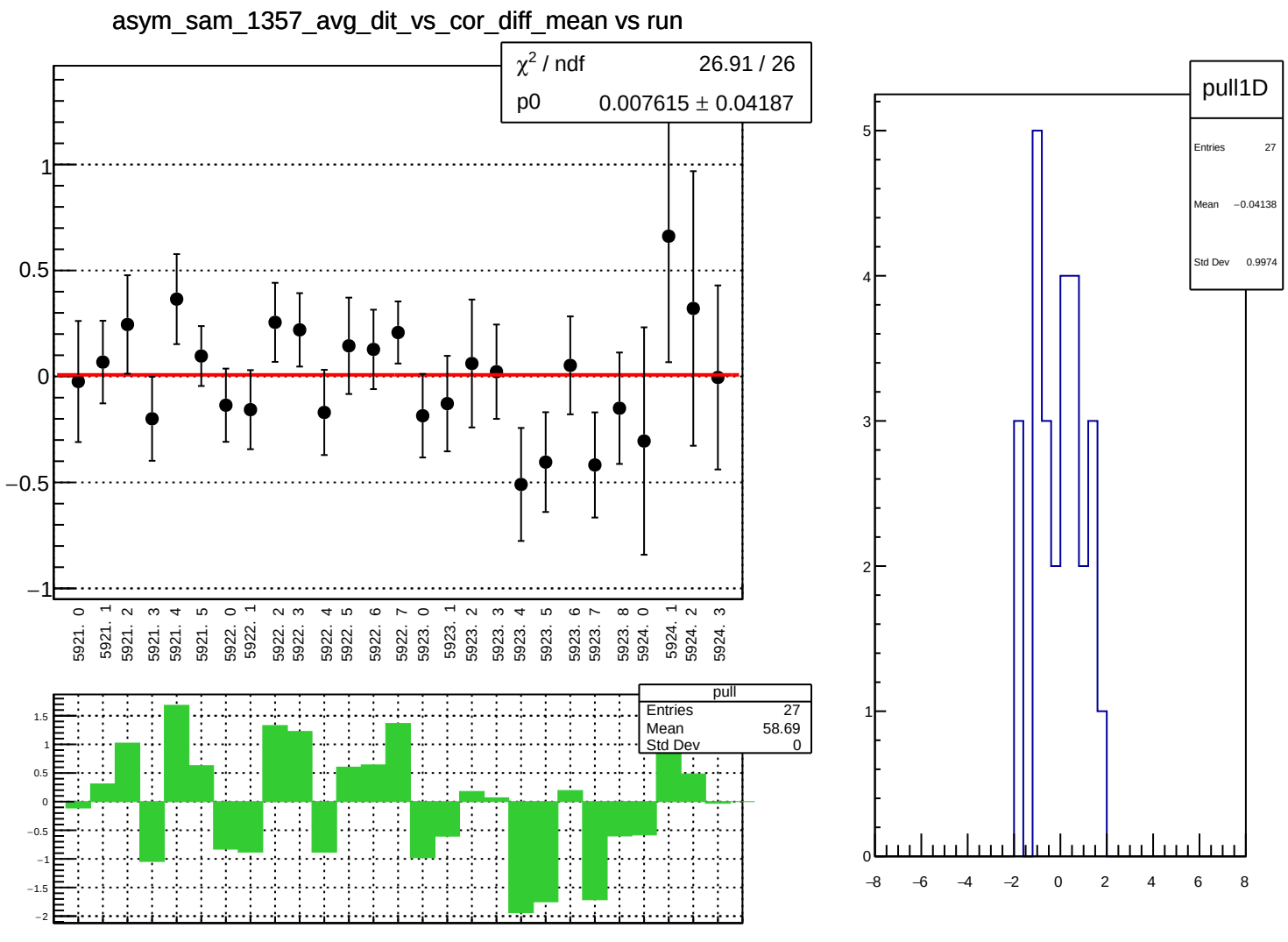

pull1D
Entries 27
Mean −0.01047
Std Dev 0.8001
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

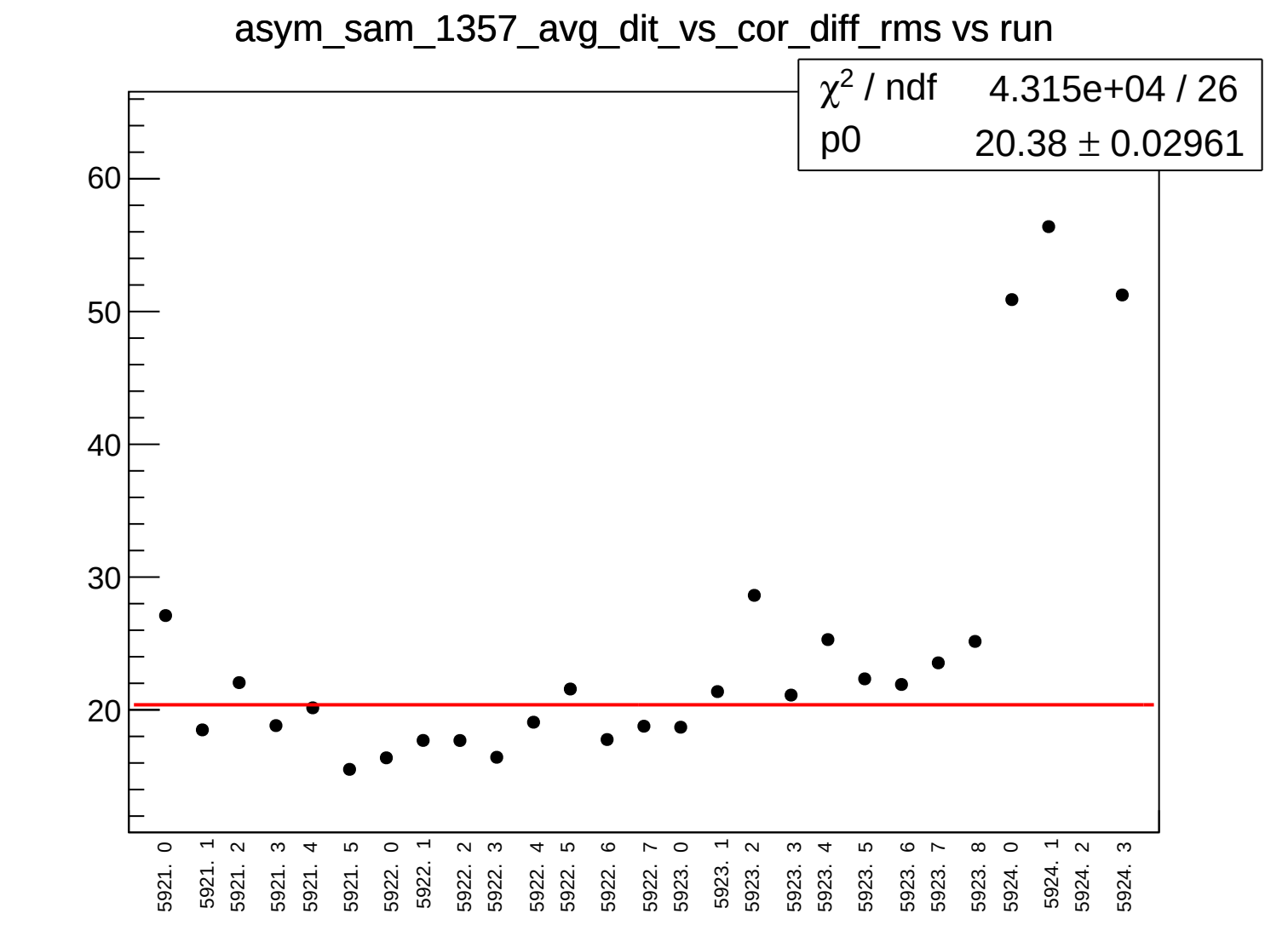

asym_sam_1357_avg_rms vs run
χ² / ndf 569.5 / 26
p0 610.5 ± 0.8494
660
640
620
600
580
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

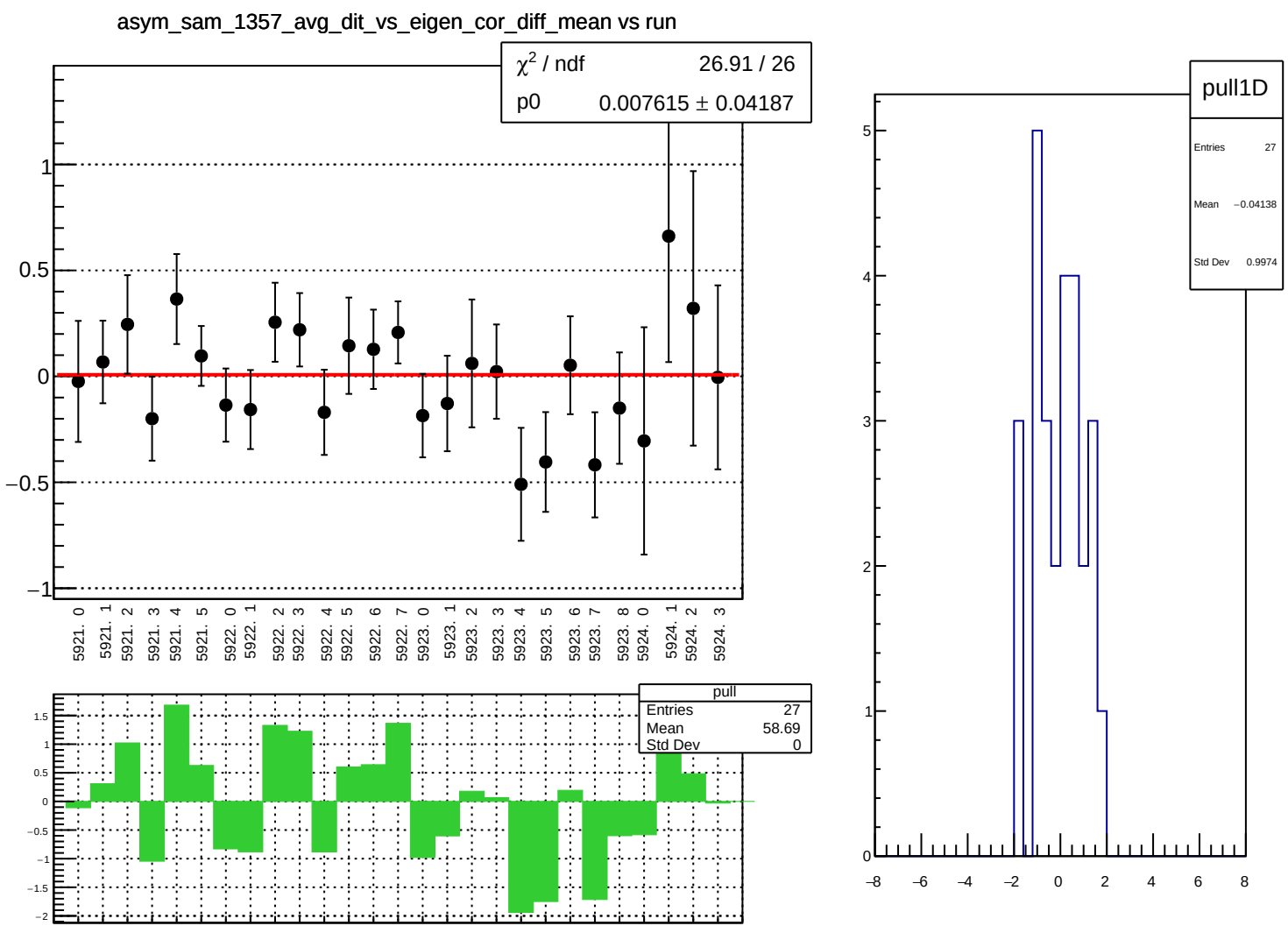

asym_sam_1357_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 27.99 / 26
p0 −1.448e−13 ± 1.162e−13
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
−0.001
−0.0012
−0.0014
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 5.142
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

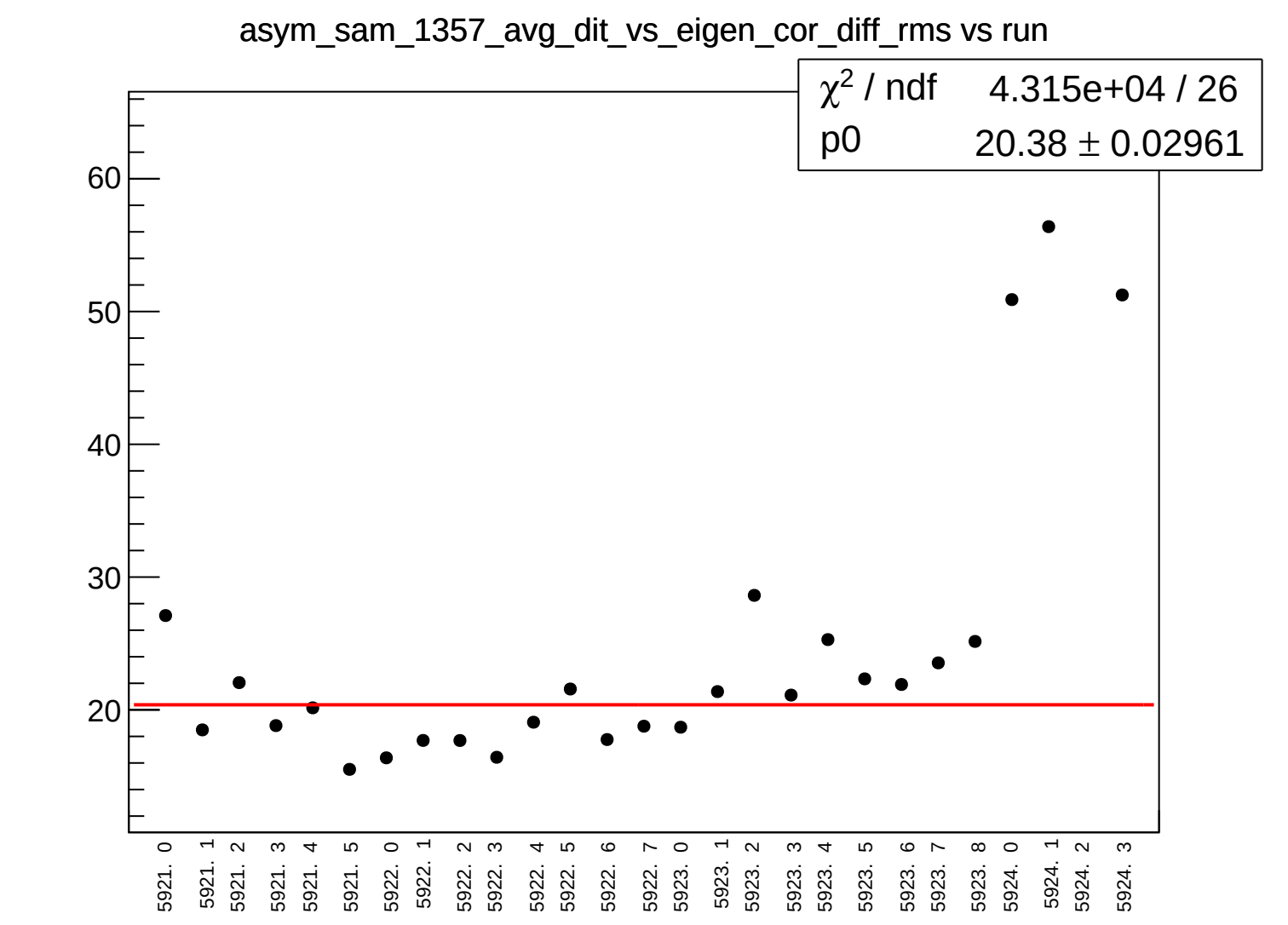

pull1D
Entries 27
Mean −0.177
Std Dev 1.003
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

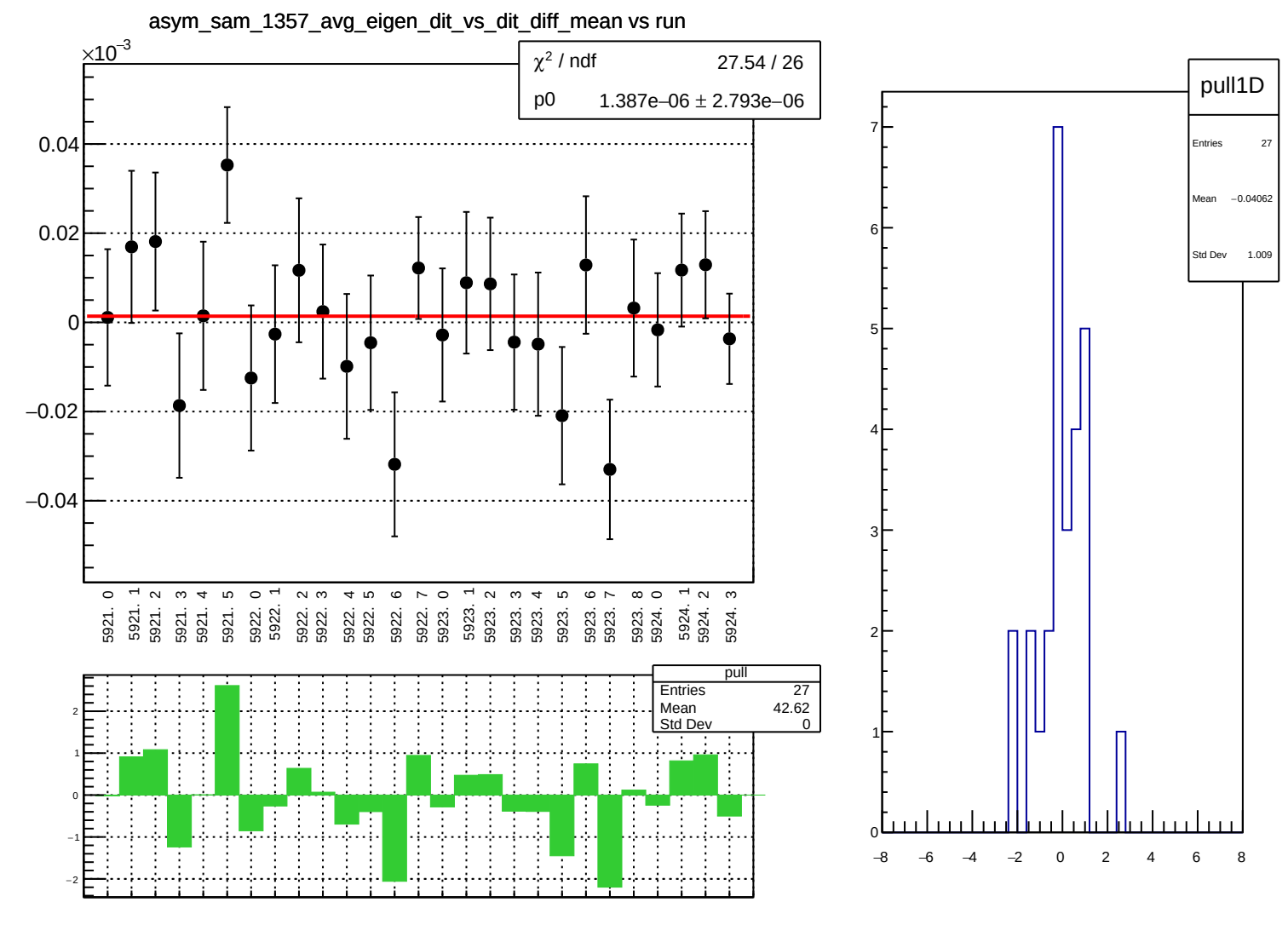

asym_sam_1357_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 2.821e+05 / 26
p0 3.982e−11 ± 8.213e−14
0.06
0.05
0.04
0.03
0.02
0.01
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

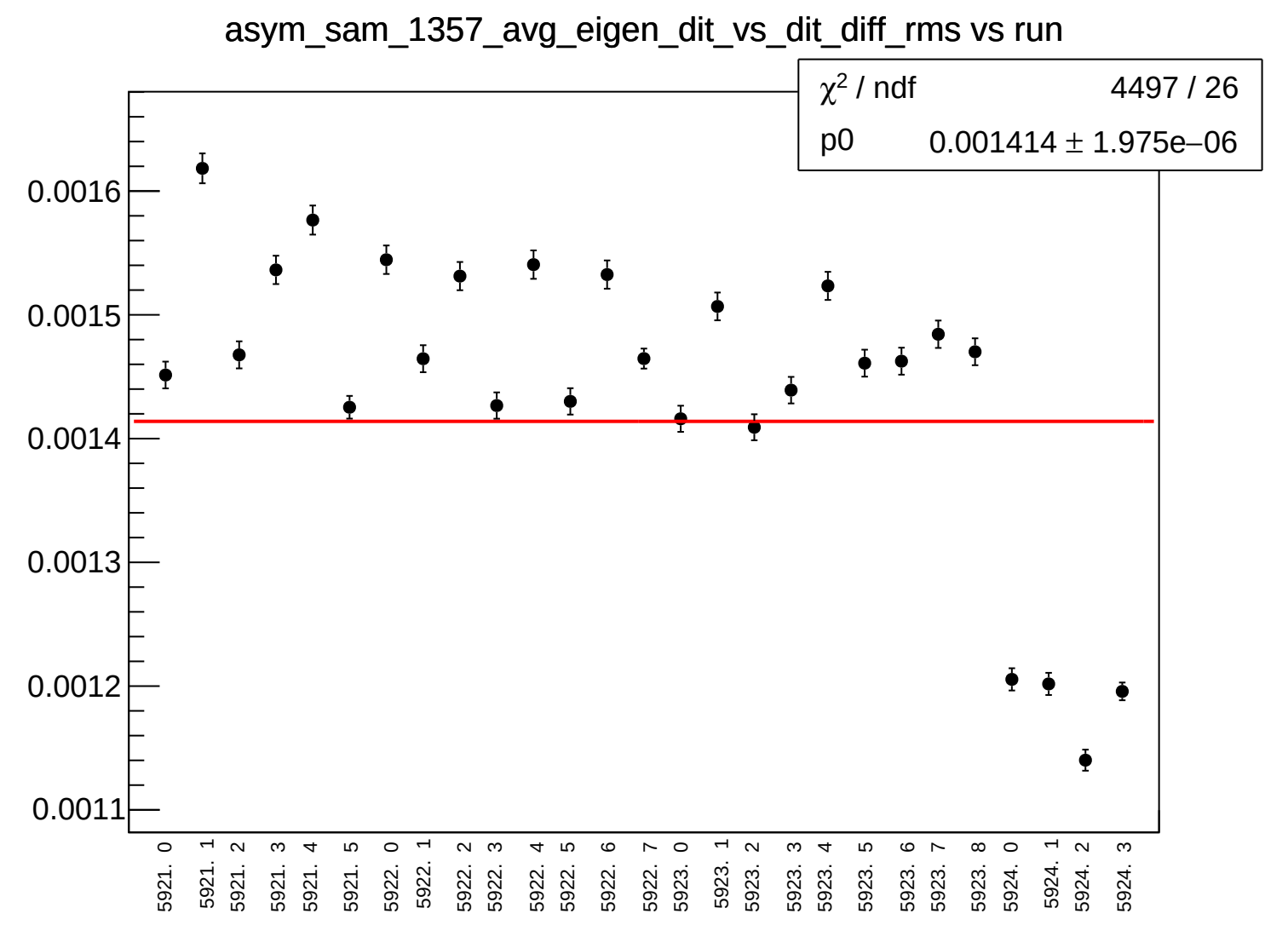

asym_sam_1357_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 26.91 / 26
p0 0.007615 ± 0.04187
1
0.5
0
−0.5
−1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 58.69
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.04138
Std Dev 0.9974
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

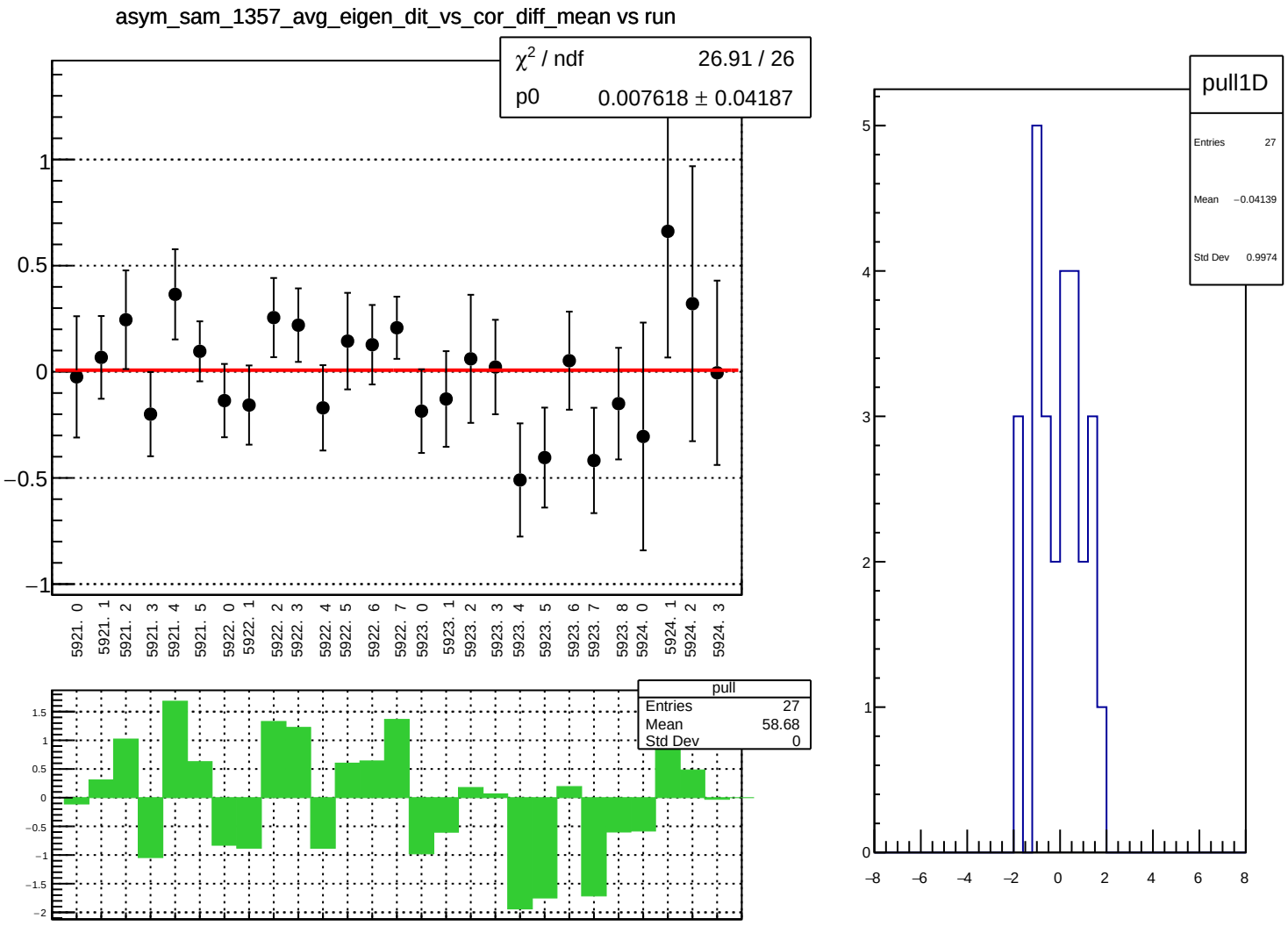

asym_sam_1357_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.315e+04 / 26
p0 20.38 ± 0.02961
60
50
40
30
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

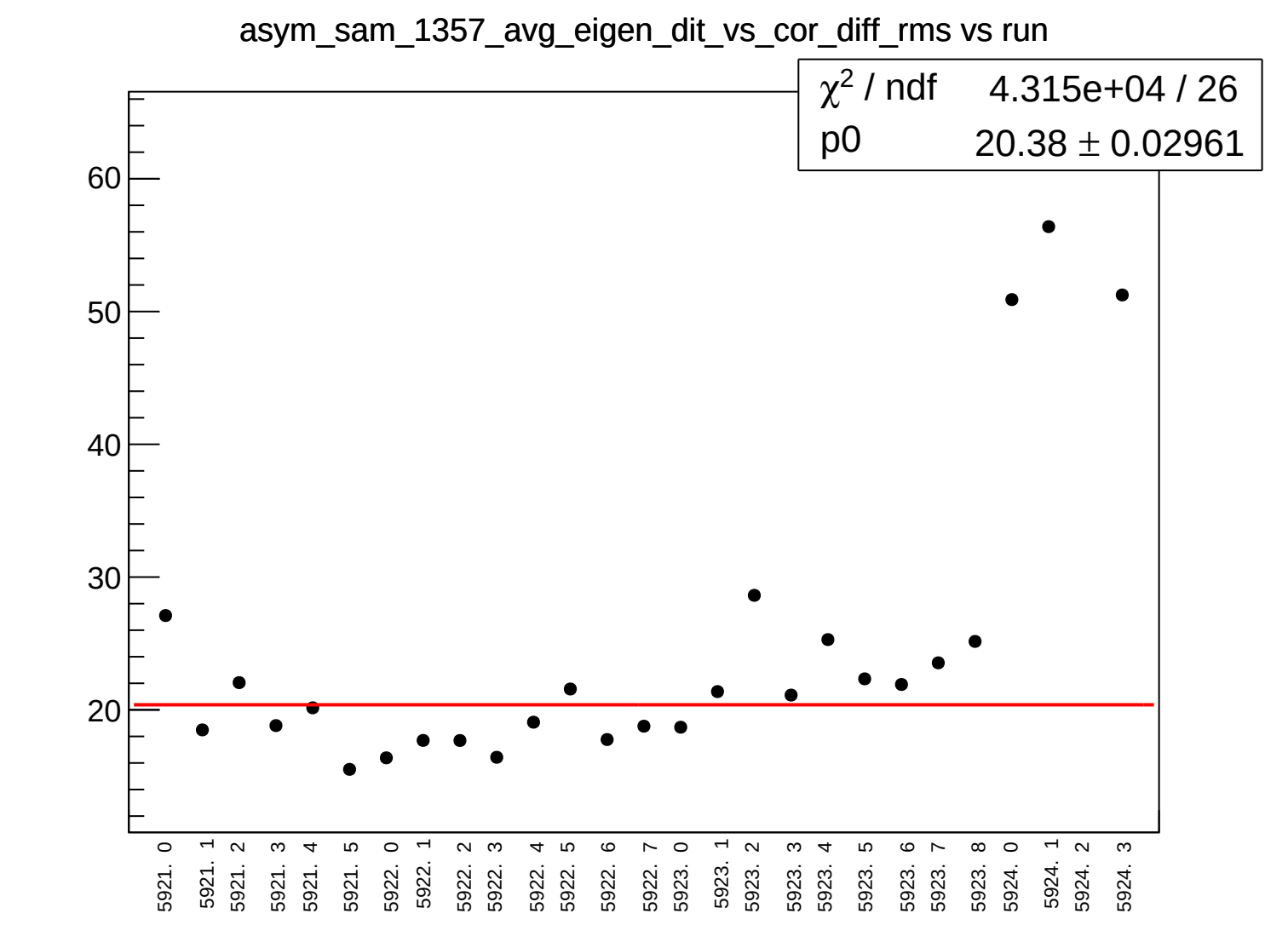

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 26.91 / 26
p0 0.007615 ± 0.04187
1
0.5
0
−0.5
−1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 58.69
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.04138
Std Dev 0.9974
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

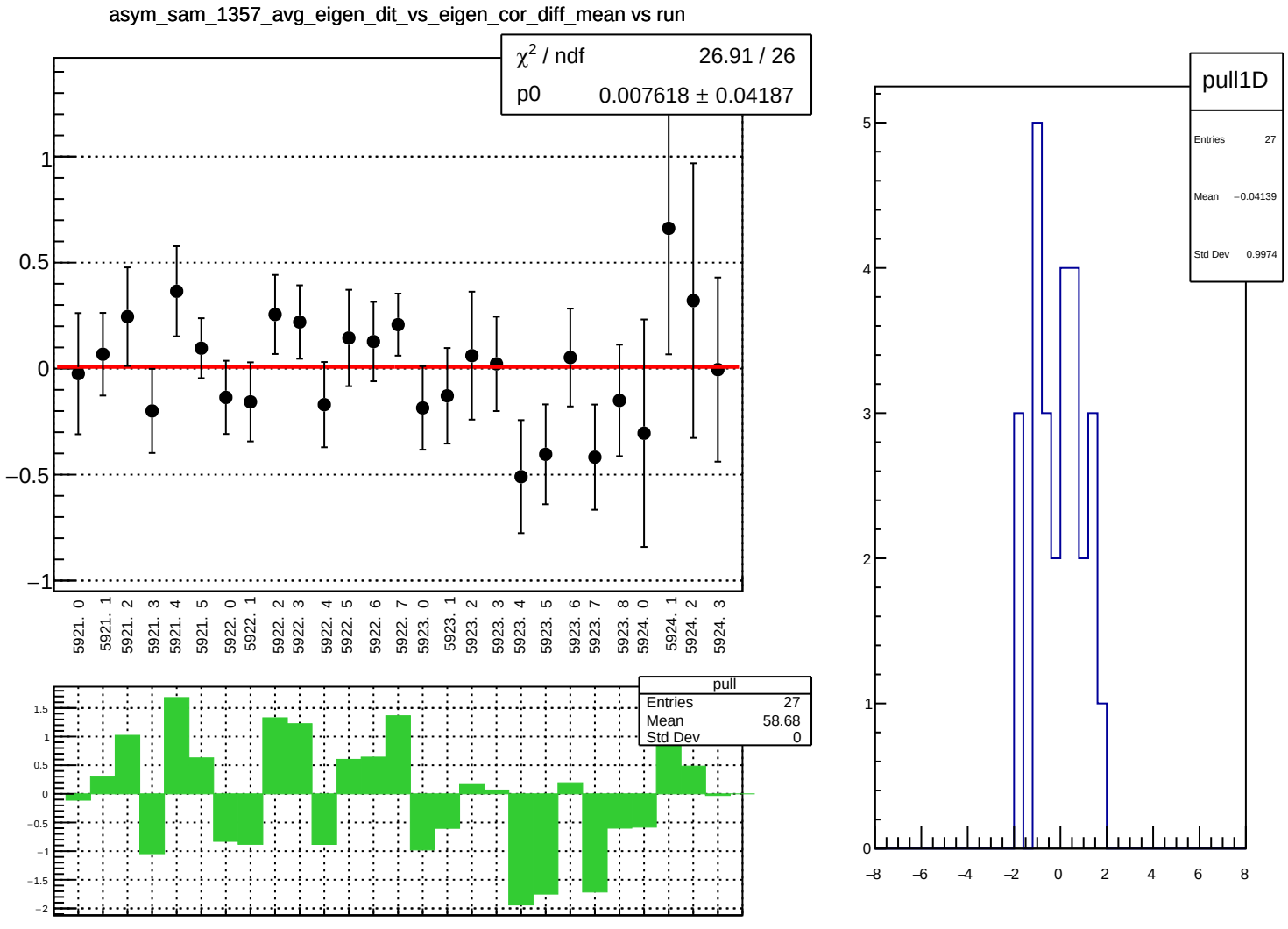

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.315e+04 / 26
p0 20.38 ± 0.02961
60
50
40
30
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

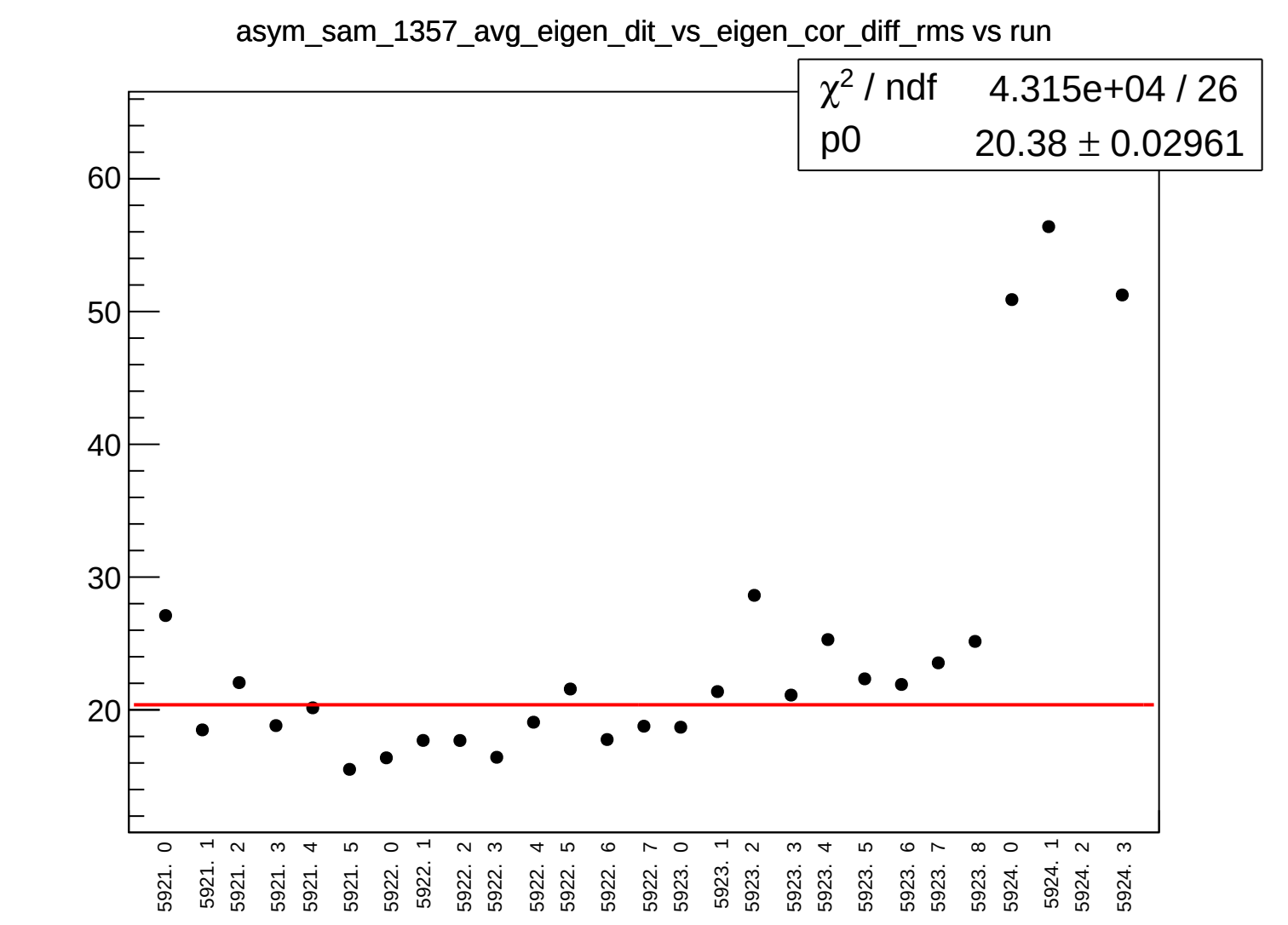

asym_sam_1357_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 27.54 / 26
p0 1.387e−06 ± 2.793e−06
0.04
0.02
0
−0.02
−0.04
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 42.62
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean −0.04062
Std Dev 1.009
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

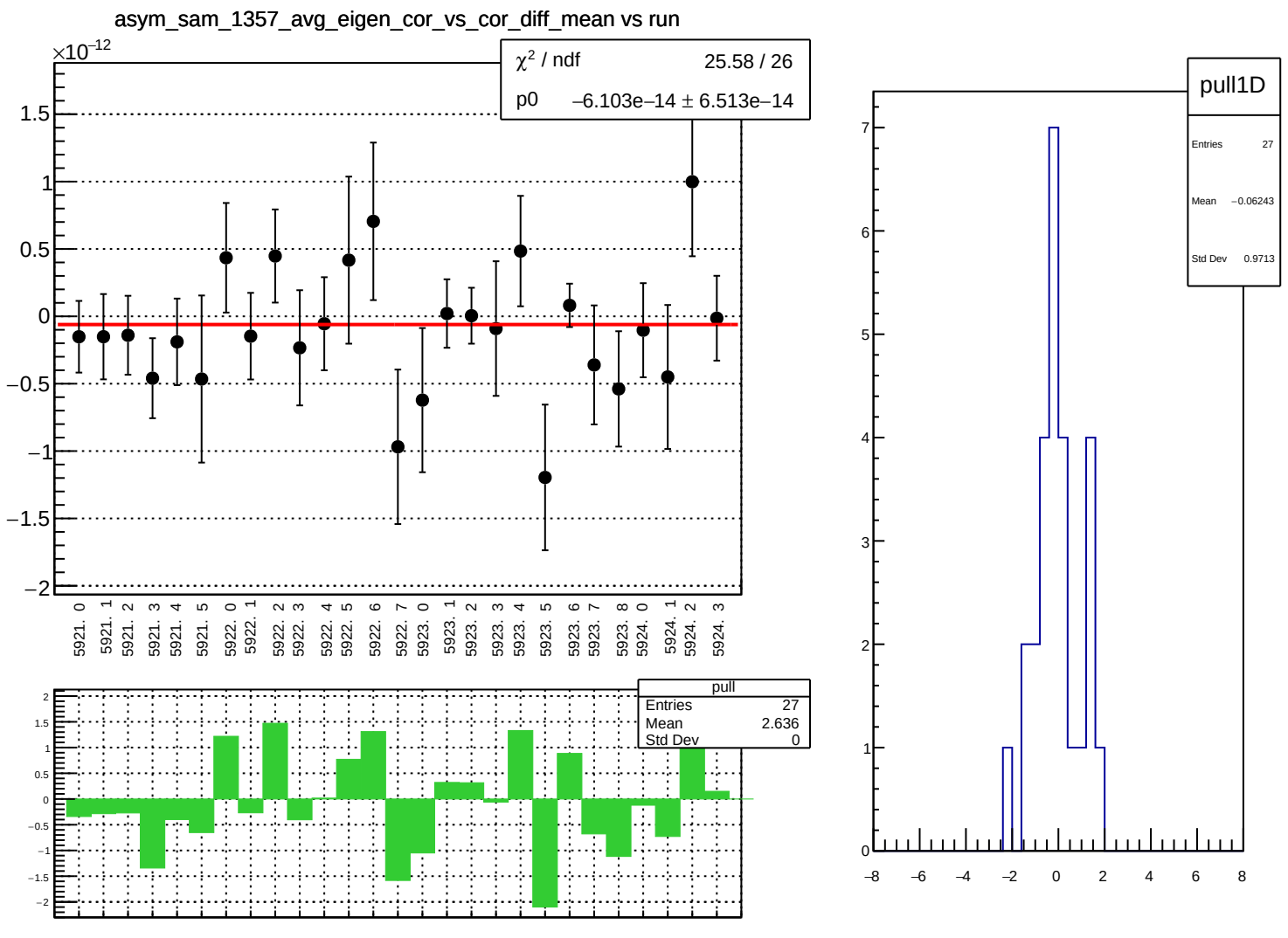

asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4497 / 26
p0 0.001414 ± 1.975e−06
0.0016
0.0015
0.0014
0.0013
0.0012
0.0011
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

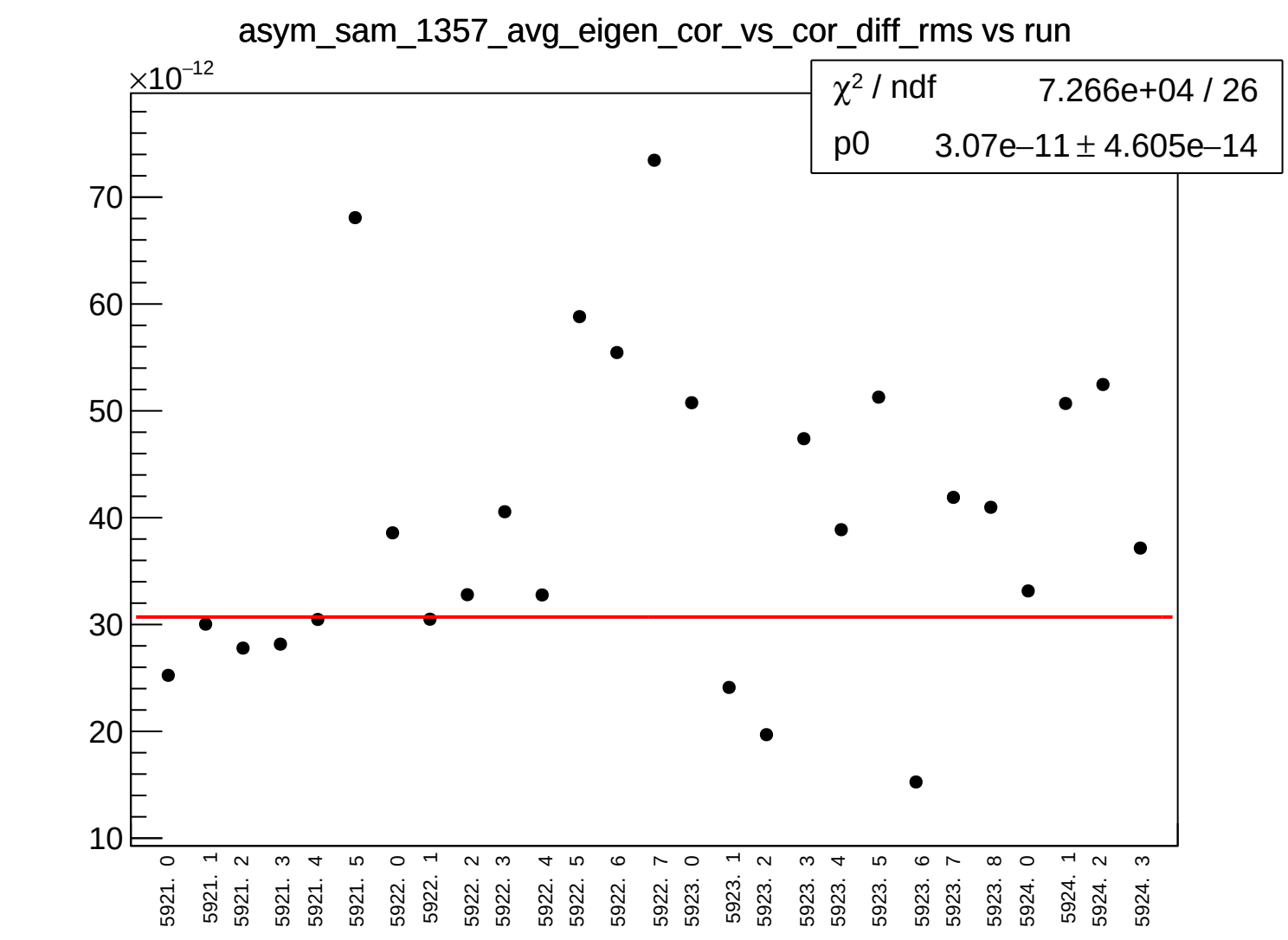

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 26.91 / 26
p0 0.007618 ± 0.04187
1
0.5
0
−0.5
−1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 58.68
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.04139
Std Dev 0.9974
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

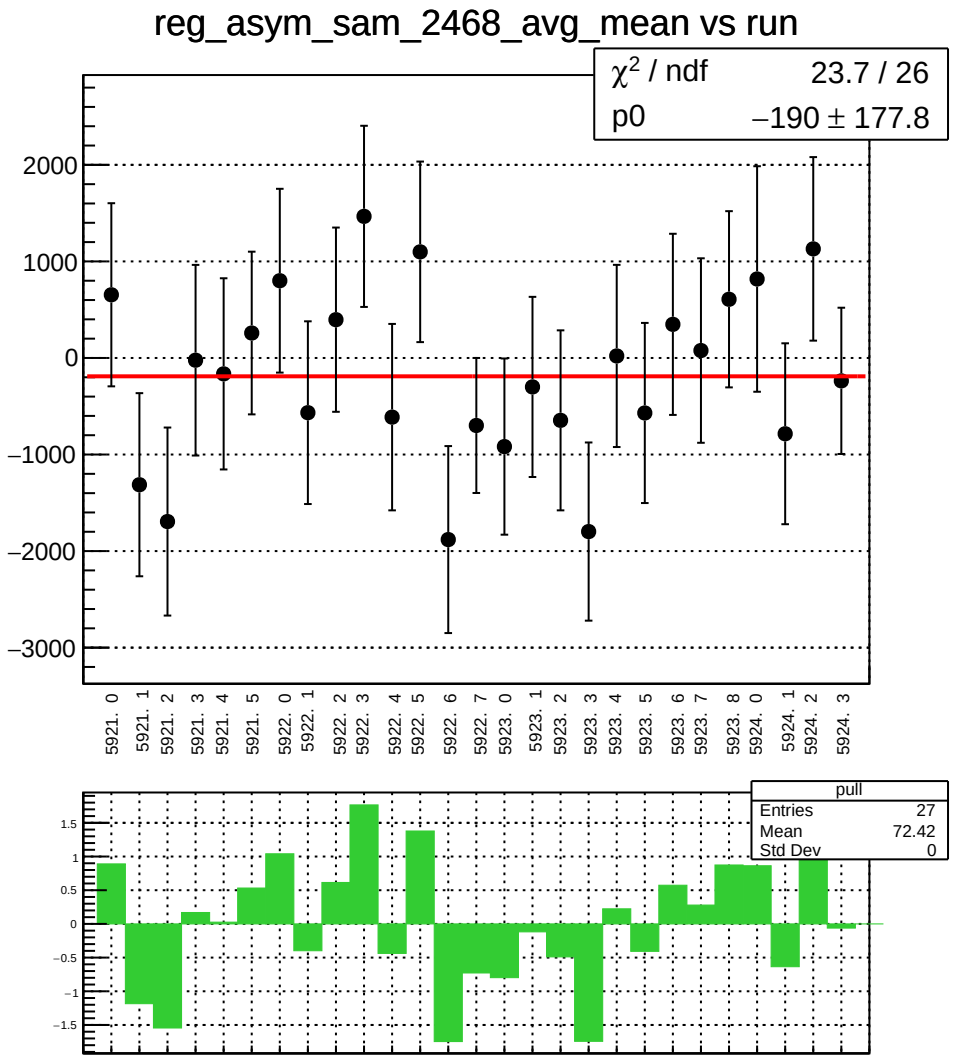

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs run
χ2 / ndf 4.315e+04 / 26
p0 20.38 ± 0.02961
60
50
40
30
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

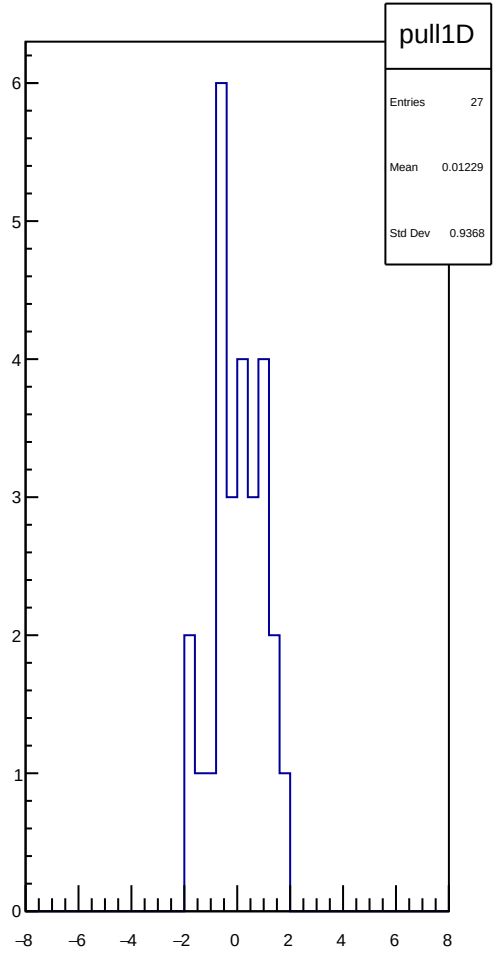

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 26.91 / 26
p0 0.007618 ± 0.04187
1
0.5
0
−0.5
−1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 58.68
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.04139
Std Dev 0.9974
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

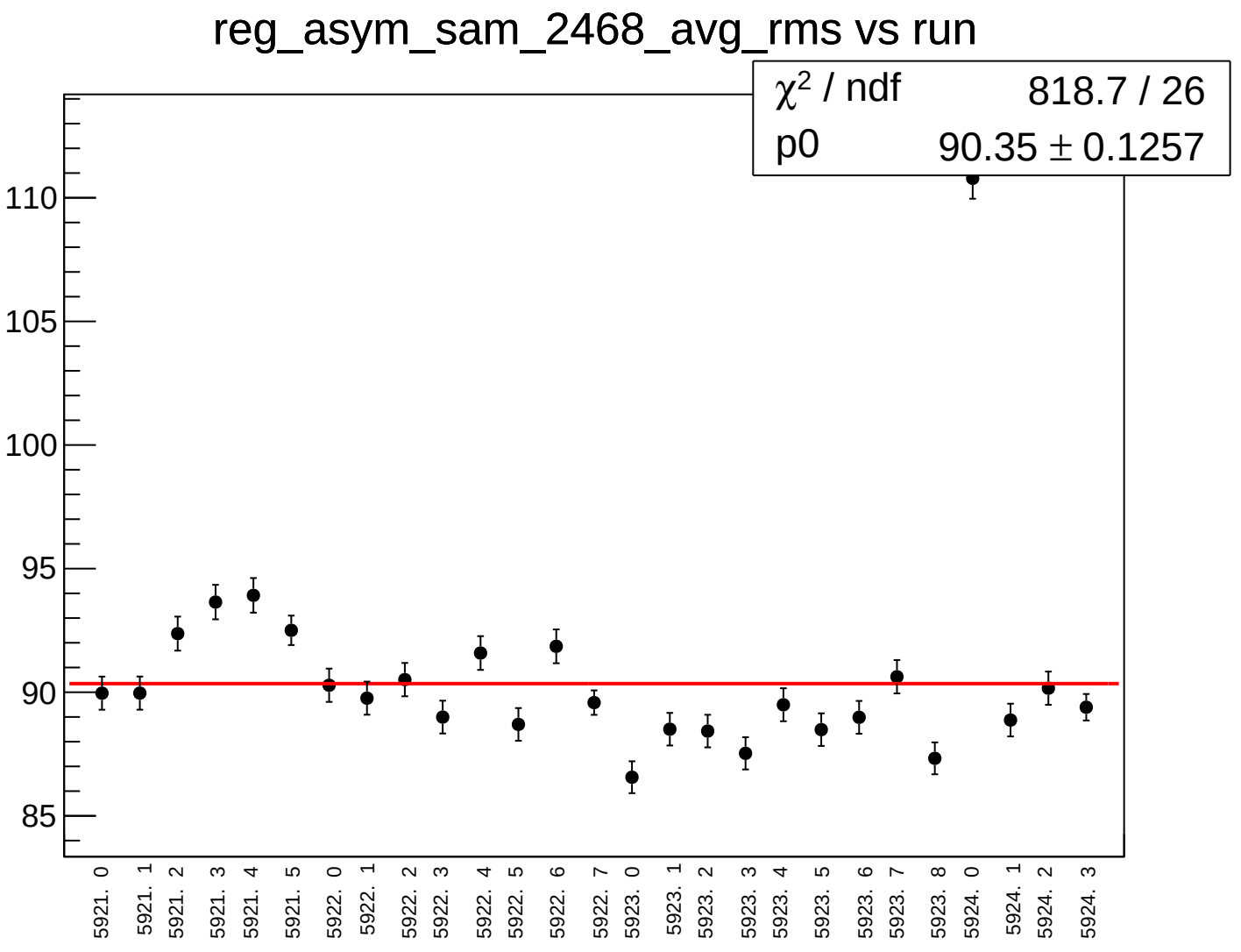

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ2 / ndf 4.315e+04 / 26
p0 20.38 ± 0.02961
60
50
40
30
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

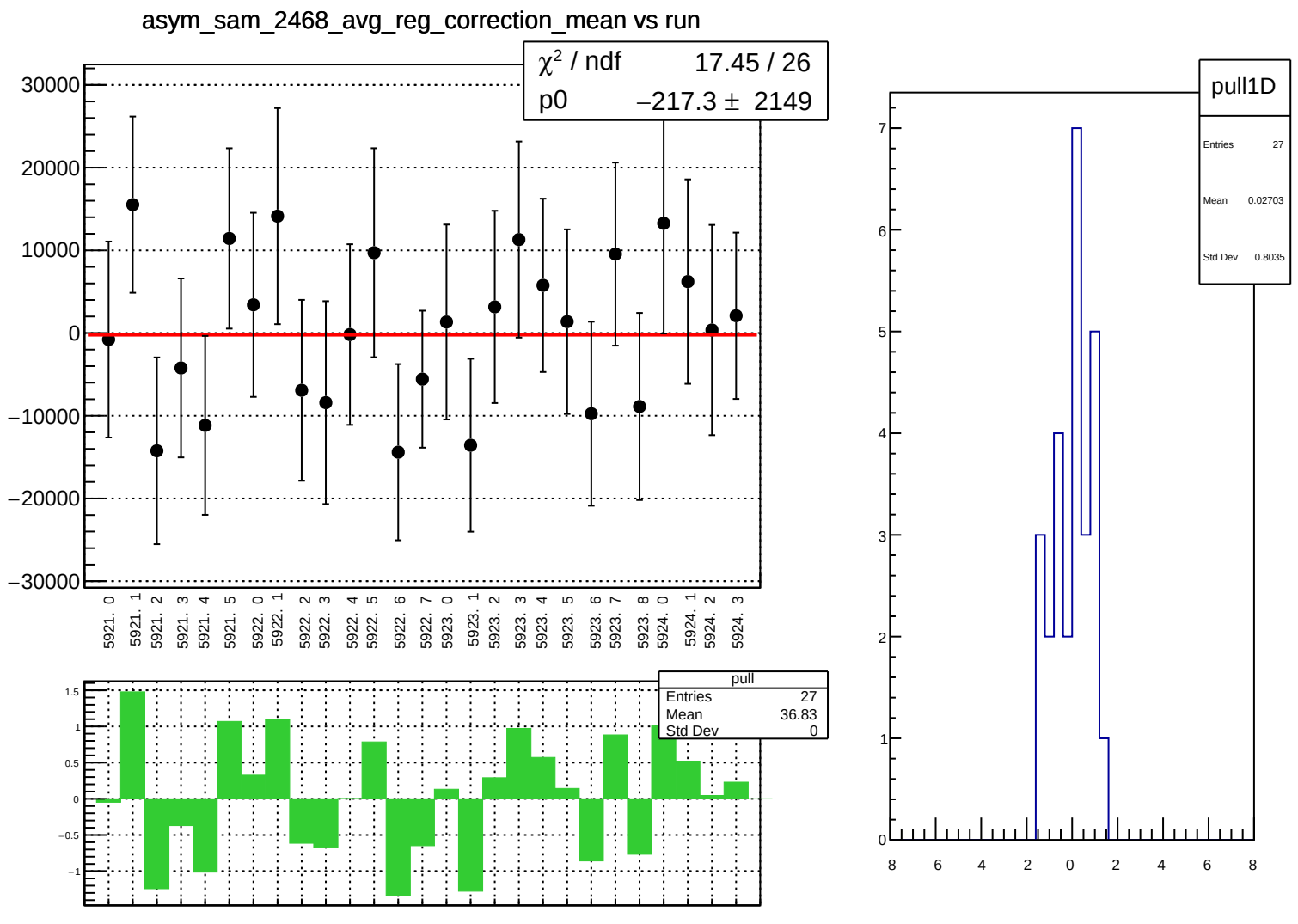

asym_sam_1357_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 25.58 / 26
p0 −6.103e−14 ± 6.513e−14
1.5
1
0.5
0
−0.5
−1
−1.5
−2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 2.636
Std Dev 0
pull1D
Entries 27
Mean −0.06243
Std Dev 0.9713
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

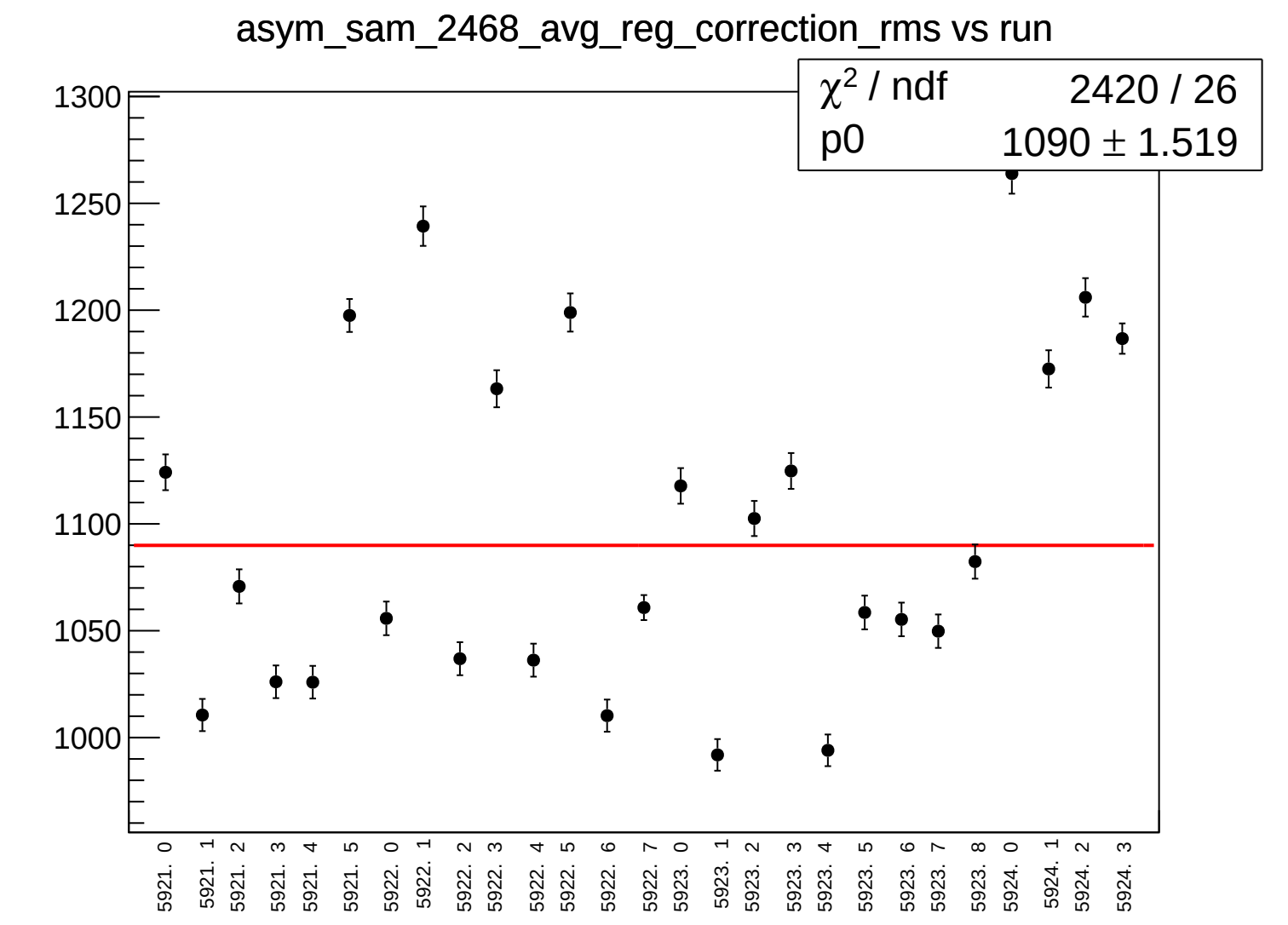

asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 7.266e+04 / 26
p0 3.07e−11 ± 4.605e−14
70
60
50
40
30
20
10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

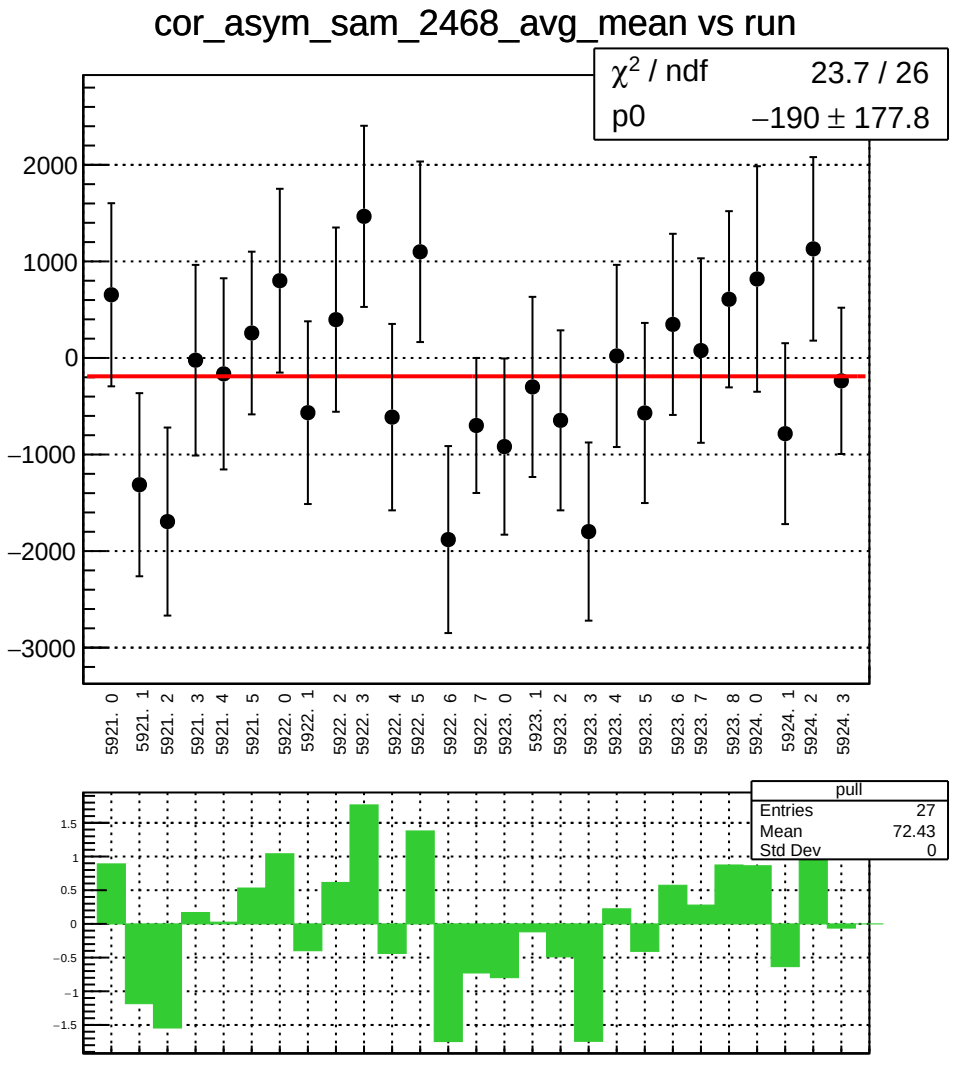

reg_asym_sam_2468_avg_mean vs run
χ² / ndf 23.7 / 26
p0 −190 ± 177.8
2000
1000
0
−1000
−2000
−3000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 72.42
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

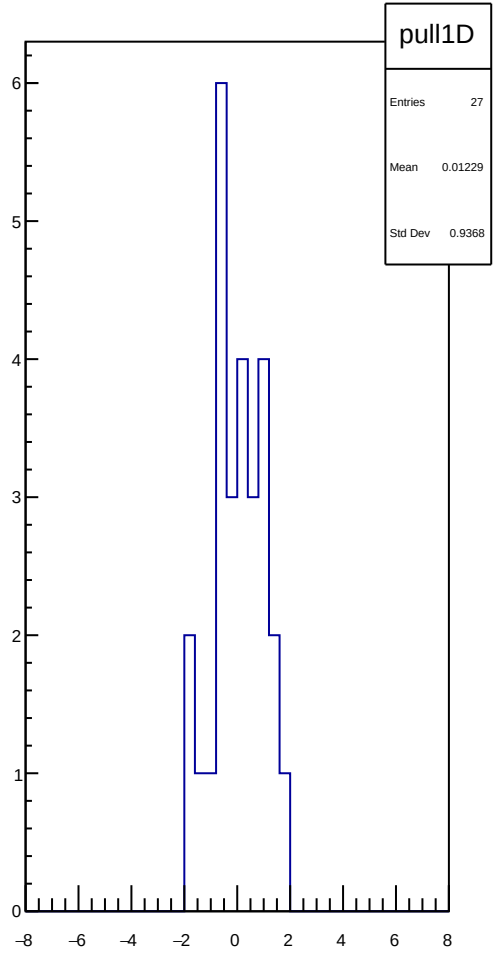

pull1D
Entries 27
Mean 0.01229
Std Dev 0.9368
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

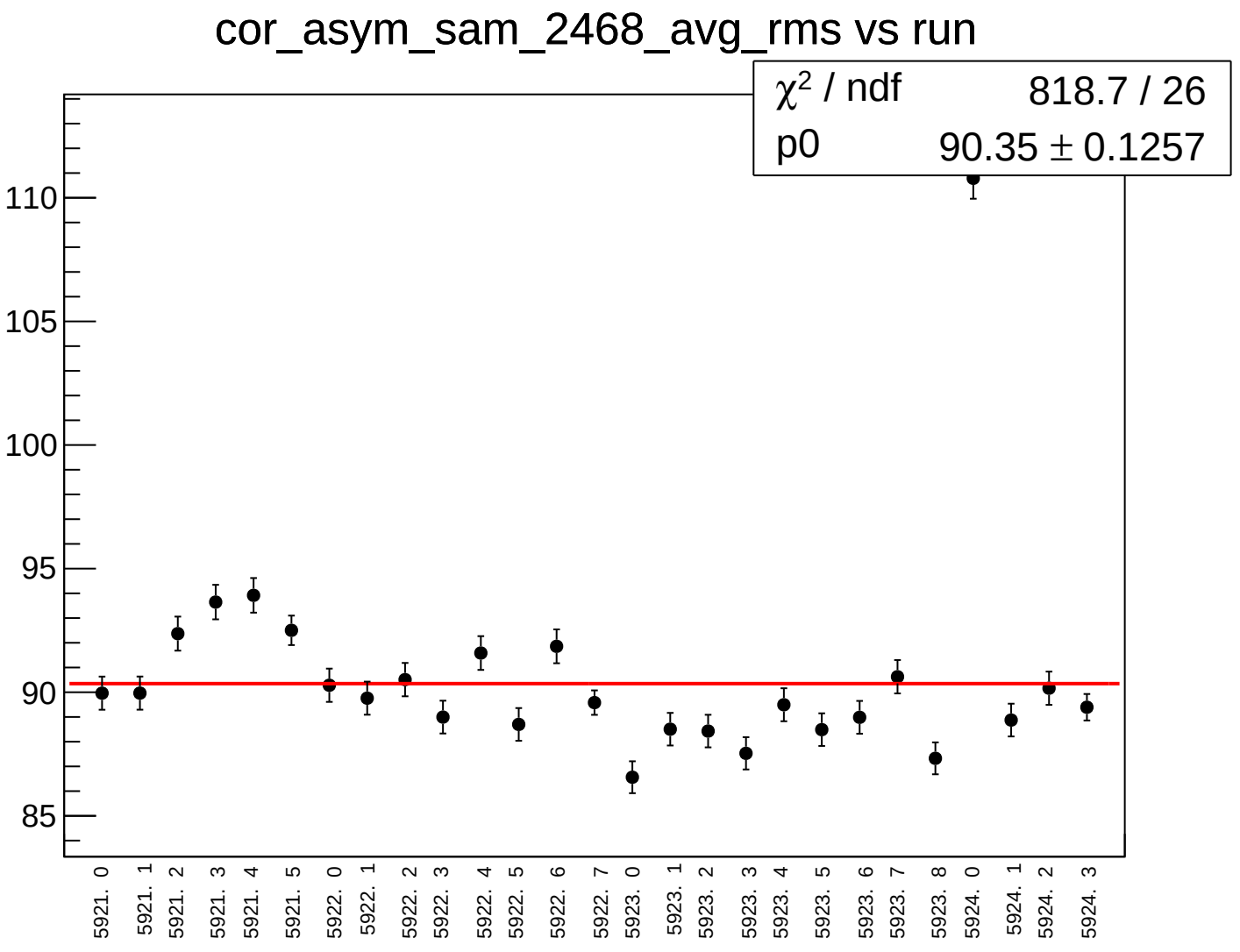

reg_asym_sam_2468_avg_rms vs run
χ² / ndf 818.7 / 26
p0 90.35 ± 0.1257
110
105
100
95
90
85
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

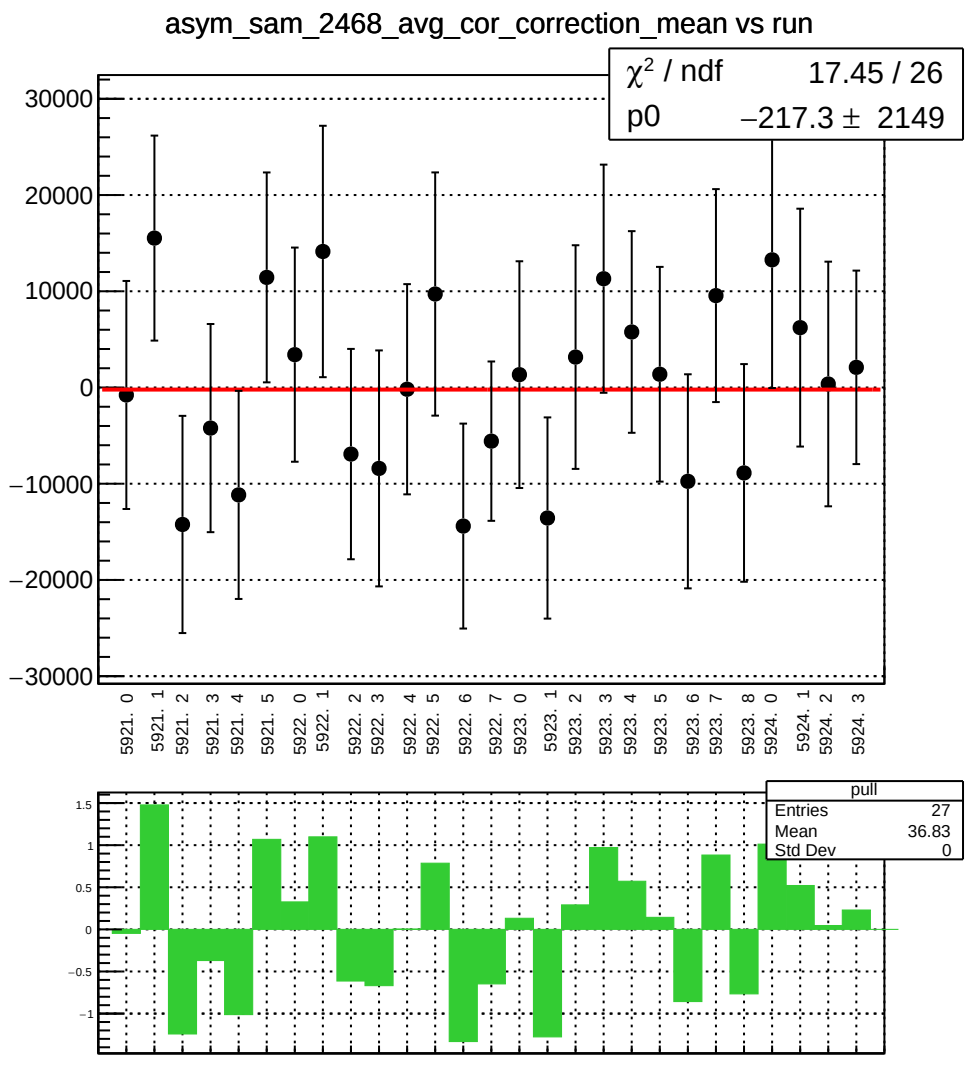

asym_sam_2468_avg_reg_correction_mean vs run
χ² / ndf 17.45 / 26
p0 −217.3 ± 2149
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 36.83
Std Dev 0
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 27
Mean 0.02703
Std Dev 0.8035
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

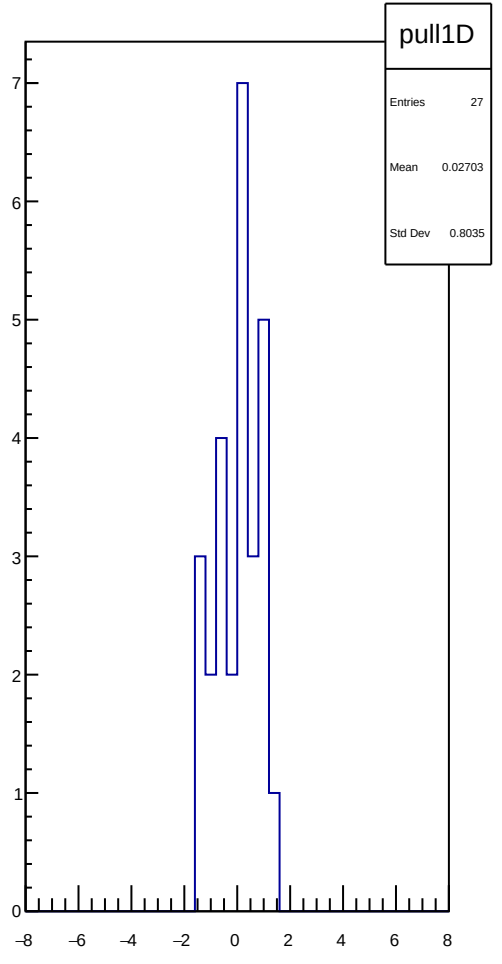

asym_sam_2468_avg_reg_correction_rms vs run
χ² / ndf 2420 / 26
p0 1090 ± 1.519
1300
1250
1200
1150
1100
1050
1000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

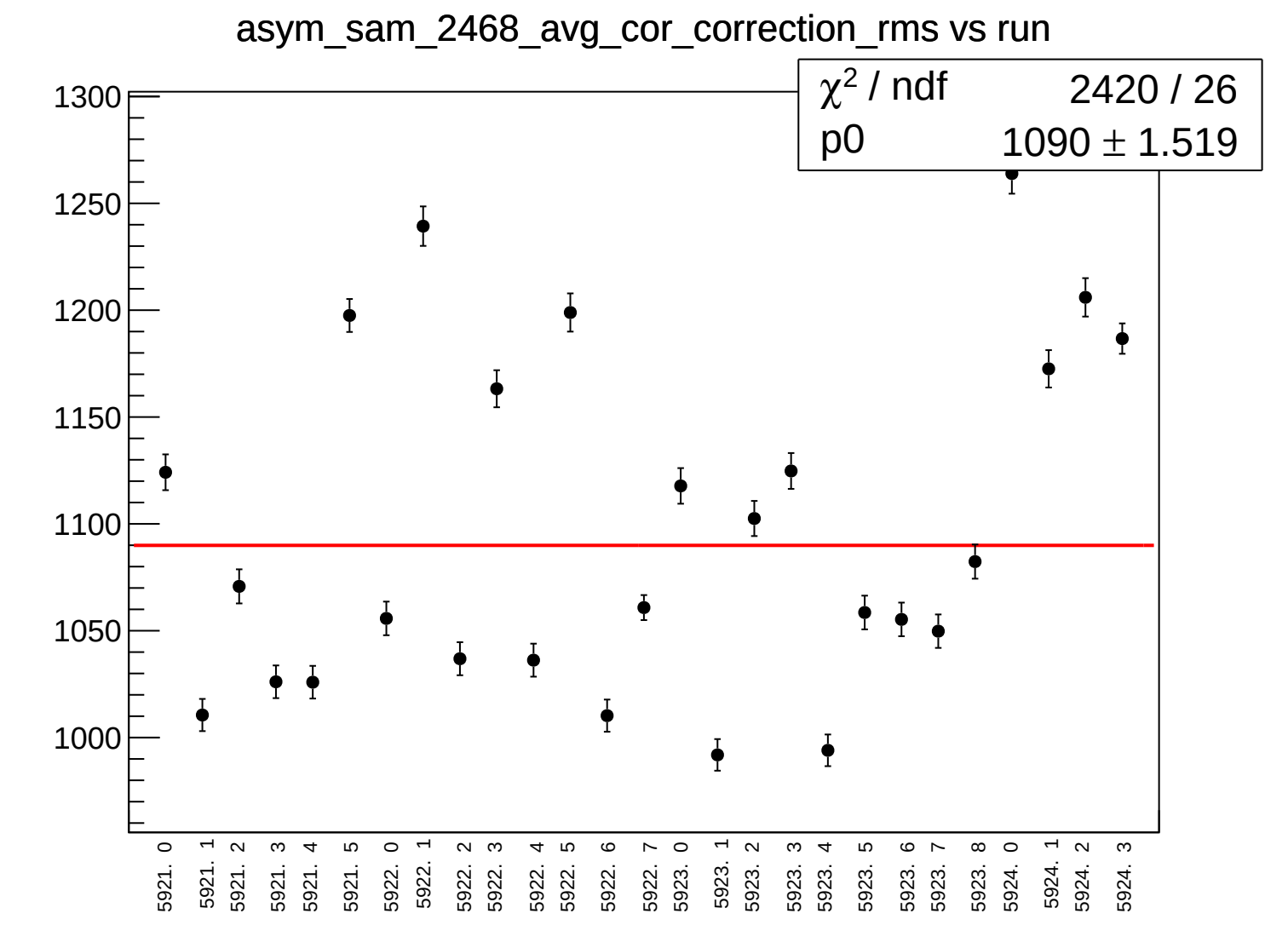

cor_asym_sam_2468_avg_mean vs run
χ² / ndf 23.7 / 26
p0 −190 ± 177.8
2000
1000
0
−1000
−2000
−3000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 72.43
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

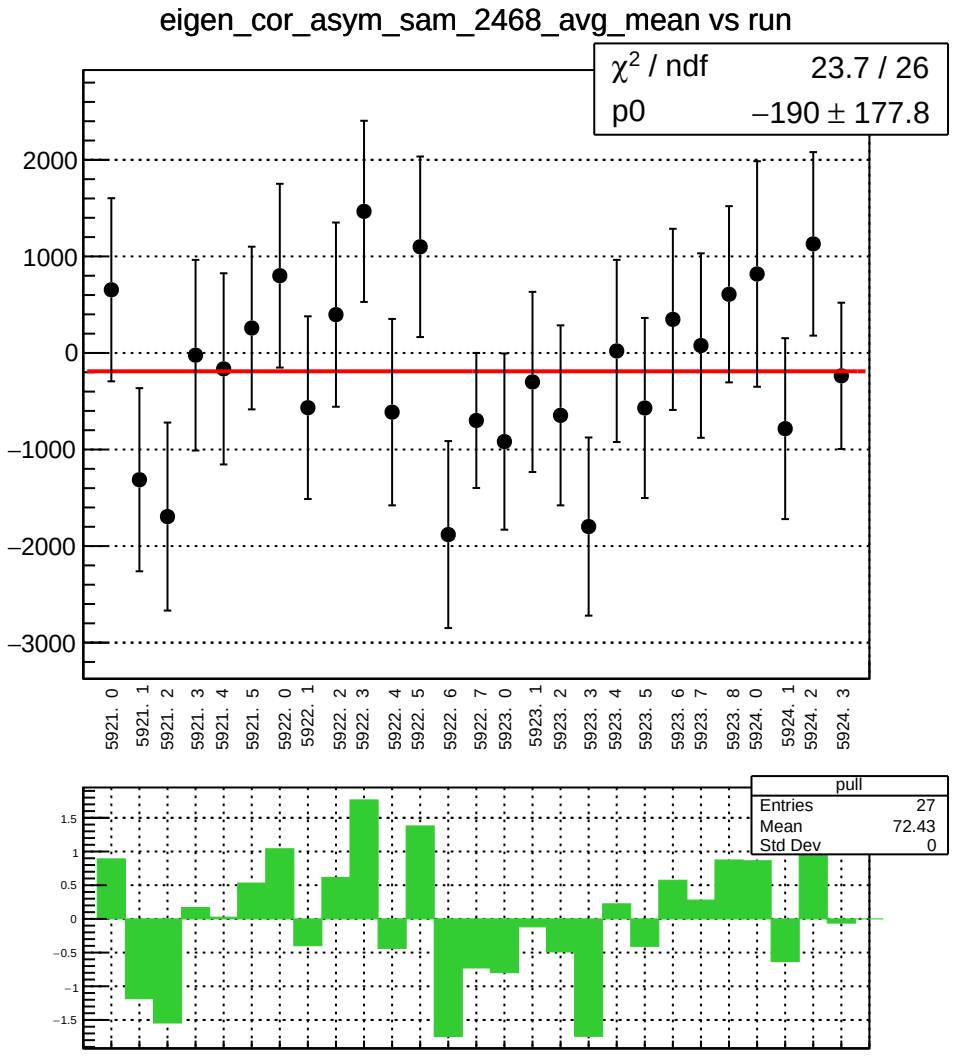

pull1D
Entries 27
Mean 0.01229
Std Dev 0.9368
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

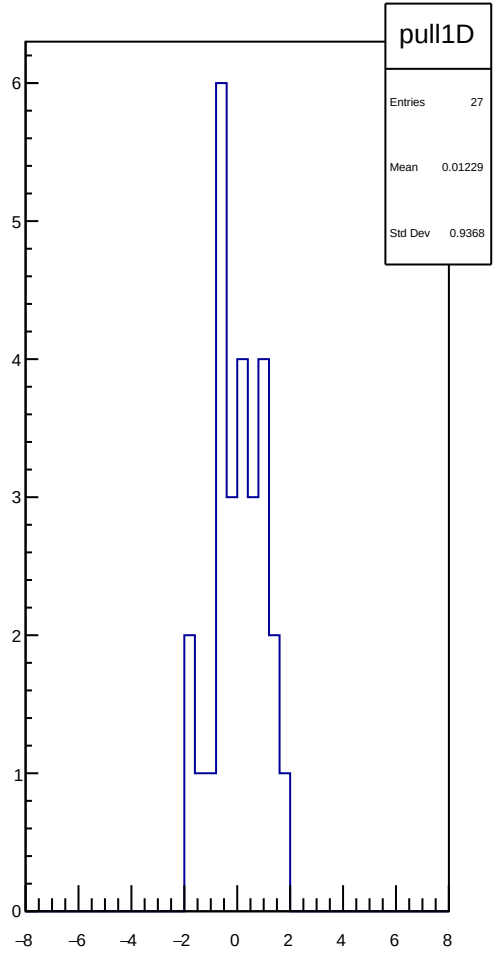

cor_asym_sam_2468_avg_rms vs run
χ² / ndf 818.7 / 26
p0 90.35 ± 0.1257
110
105
100
95
90
85
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

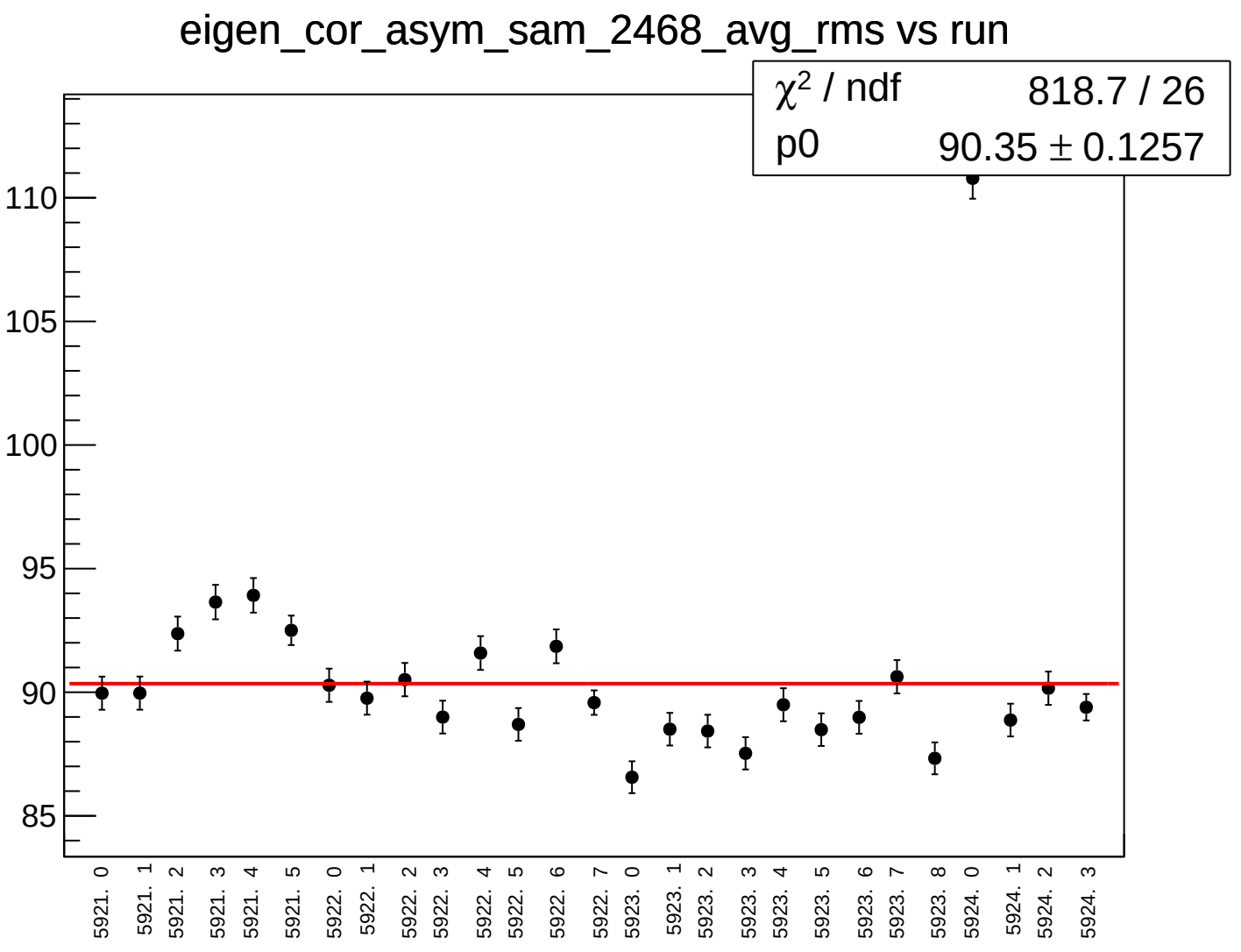

asym_sam_2468_avg_cor_correction_mean vs run
χ² / ndf 17.45 / 26
p0 −217.3 ± 2149
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 36.83
Std Dev 0
1.5
1
0.5
0
−0.5
−1

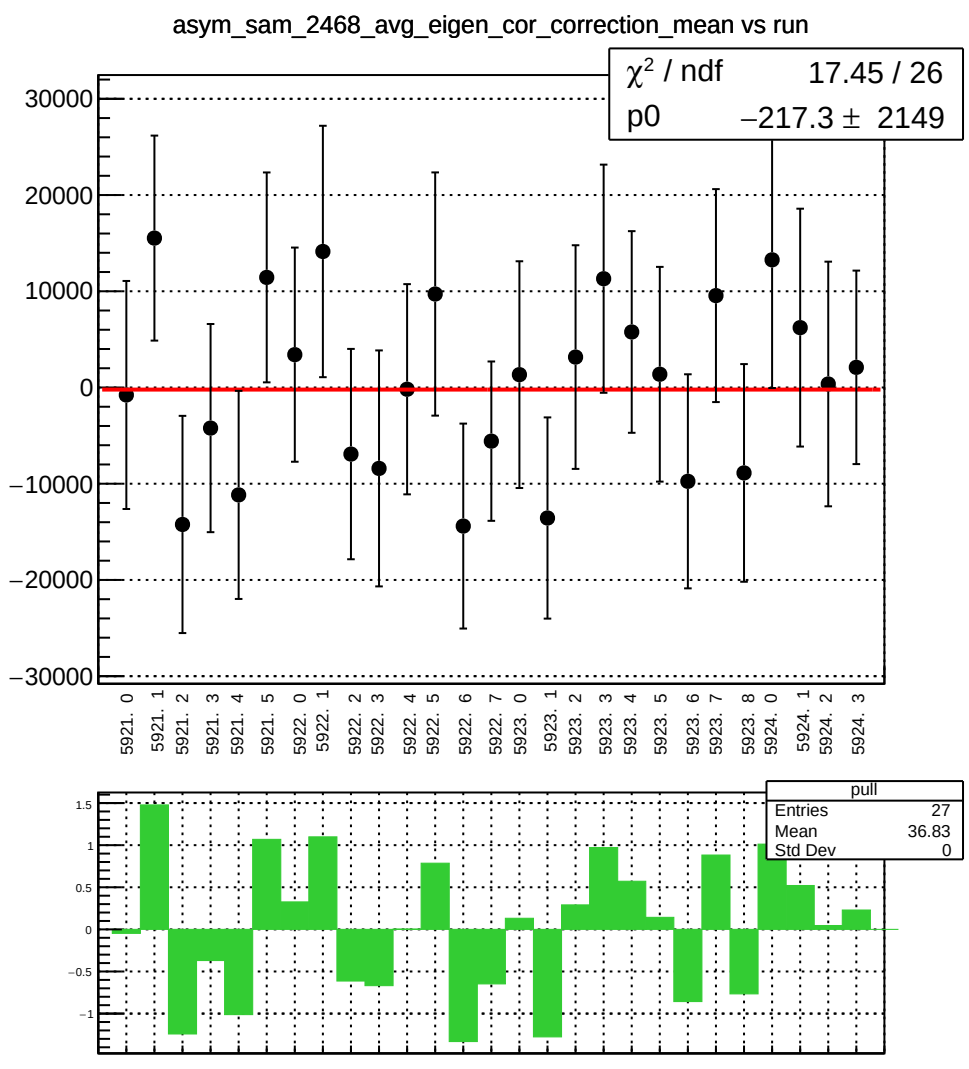

pull1D
Entries 27
Mean 0.02703
Std Dev 0.8035
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

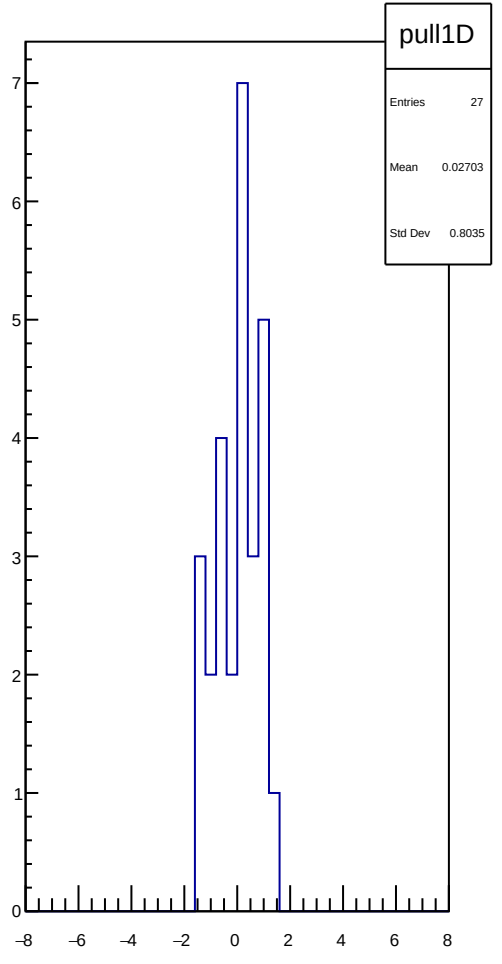

asym_sam_2468_avg_cor_correction_rms vs run
χ² / ndf 2420 / 26
p0 1090 ± 1.519
1300
1250
1200
1150
1100
1050
1000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

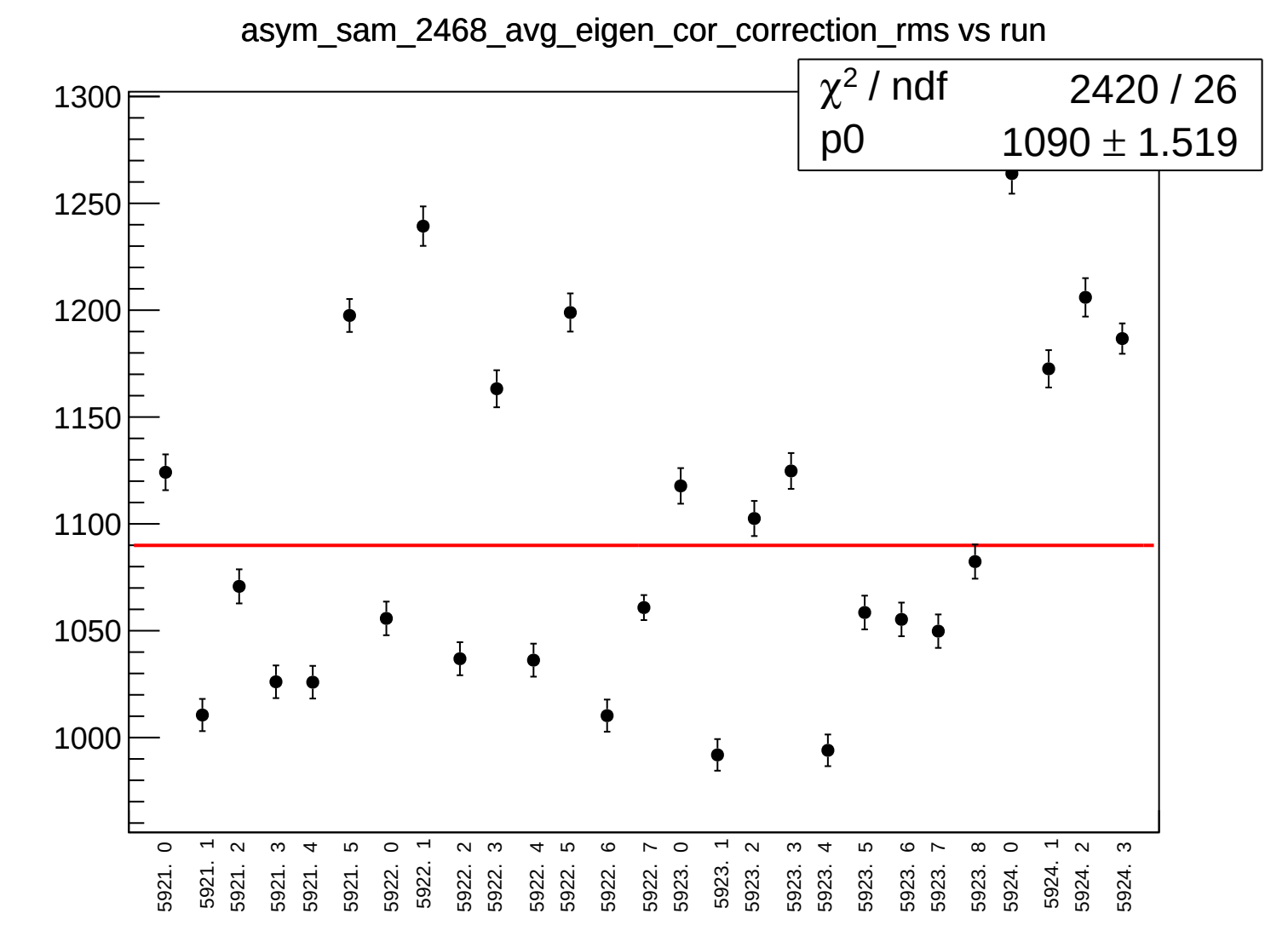

eigen_cor_asym_sam_2468_avg_mean vs run
χ² / ndf 23.7 / 26
p0 −190 ± 177.8
2000
1000
0
−1000
−2000
−3000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 72.43
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

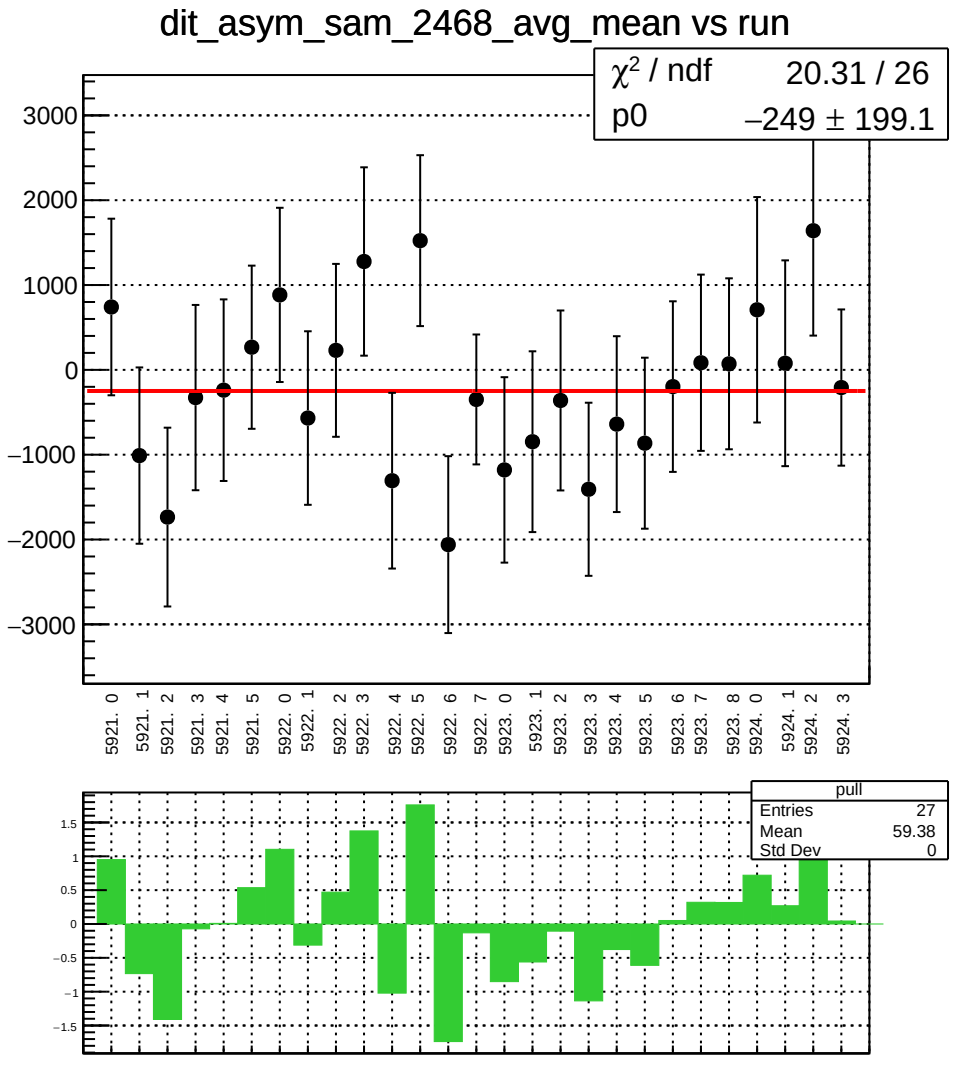

pull1D
Entries 27
Mean 0.01229
Std Dev 0.9368
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

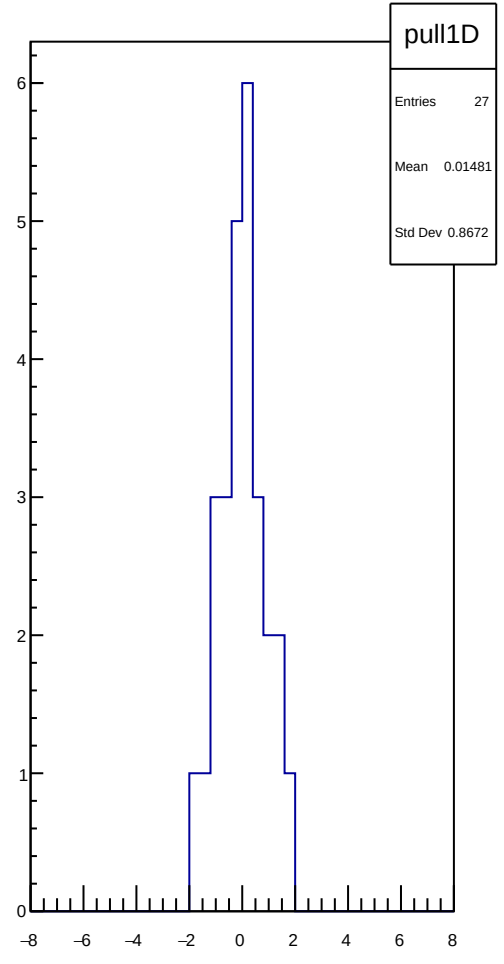

eigen_cor_asym_sam_2468_avg_rms vs run
χ² / ndf 818.7 / 26
p0 90.35 ± 0.1257
110
105
100
95
90
85
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

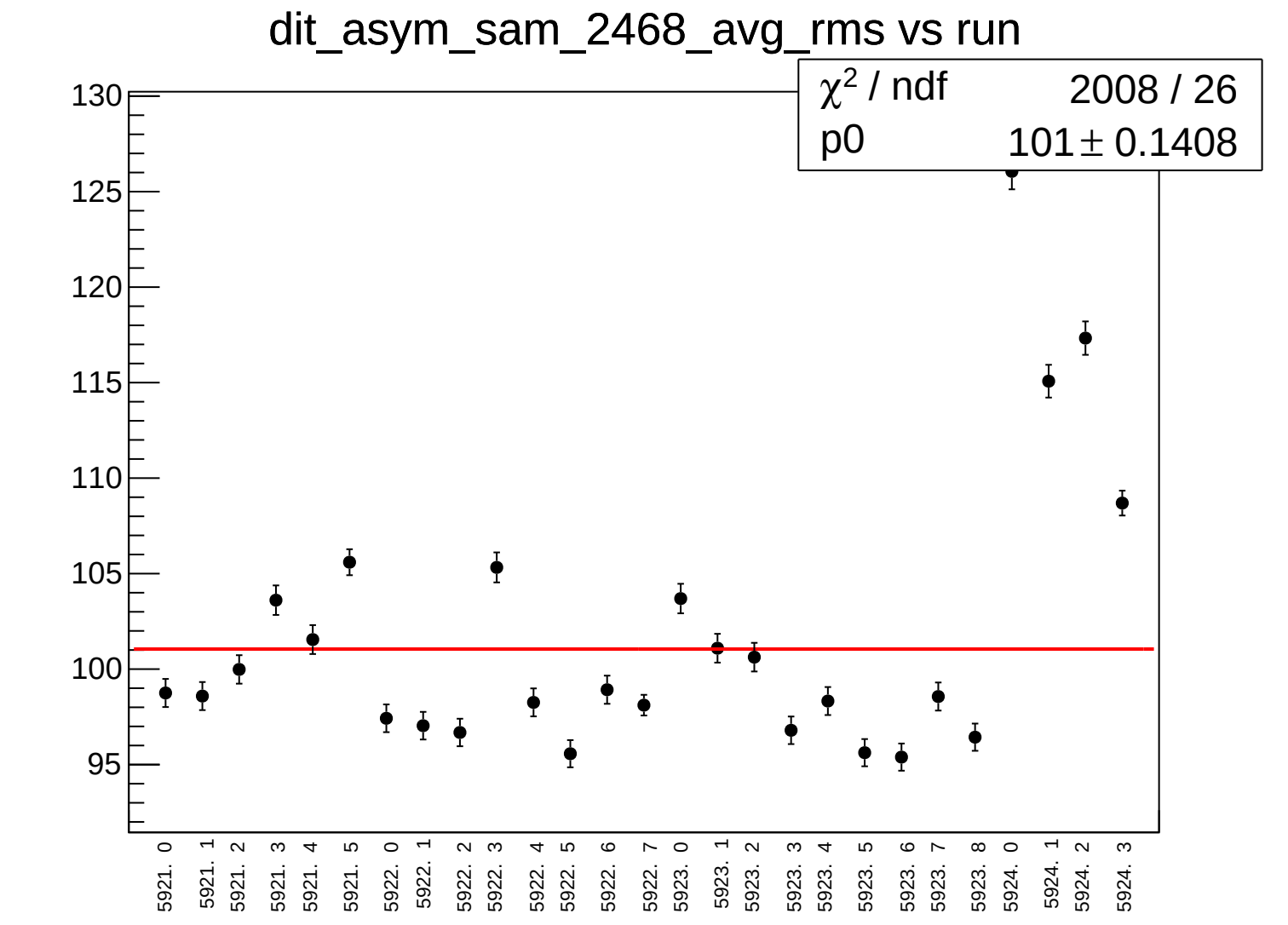

asym_sam_2468_avg_eigen_cor_correction_mean vs run
χ² / ndf 17.45 / 26
p0 −217.3 ± 2149
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 36.83
Std Dev 0
1.5
1
0.5
0
−0.5
−1

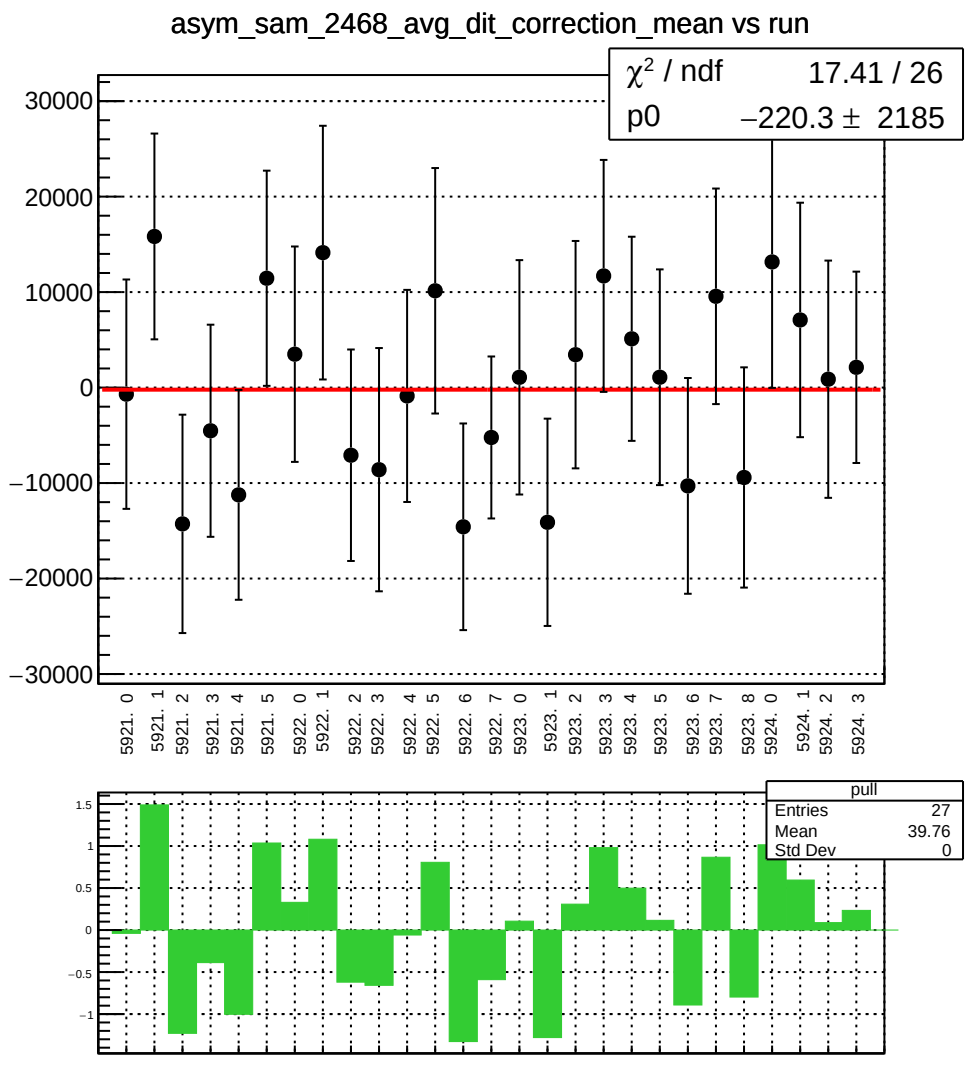

pull1D
Entries 27
Mean 0.02703
Std Dev 0.8035
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

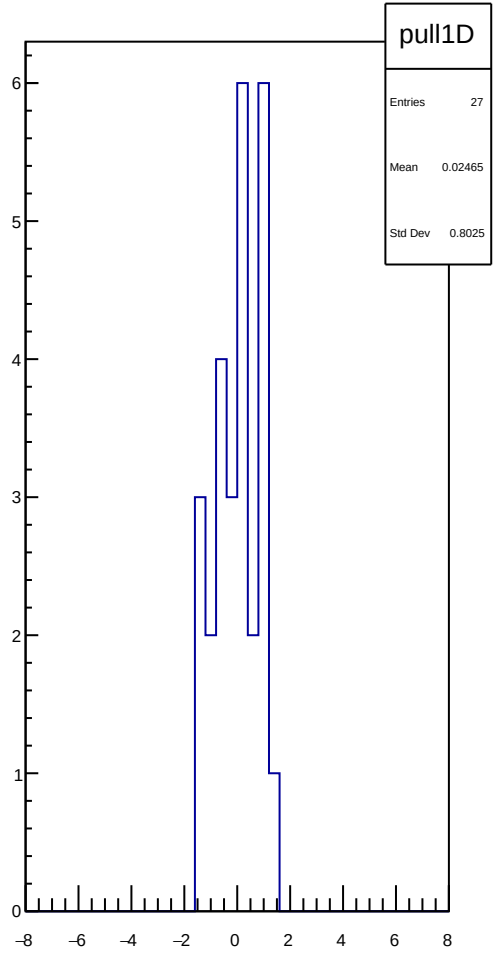

asym_sam_2468_avg_eigen_cor_correction_rms vs run
χ² / ndf 2420 / 26
p0 1090 ± 1.519
1300
1250
1200
1150
1100
1050
1000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

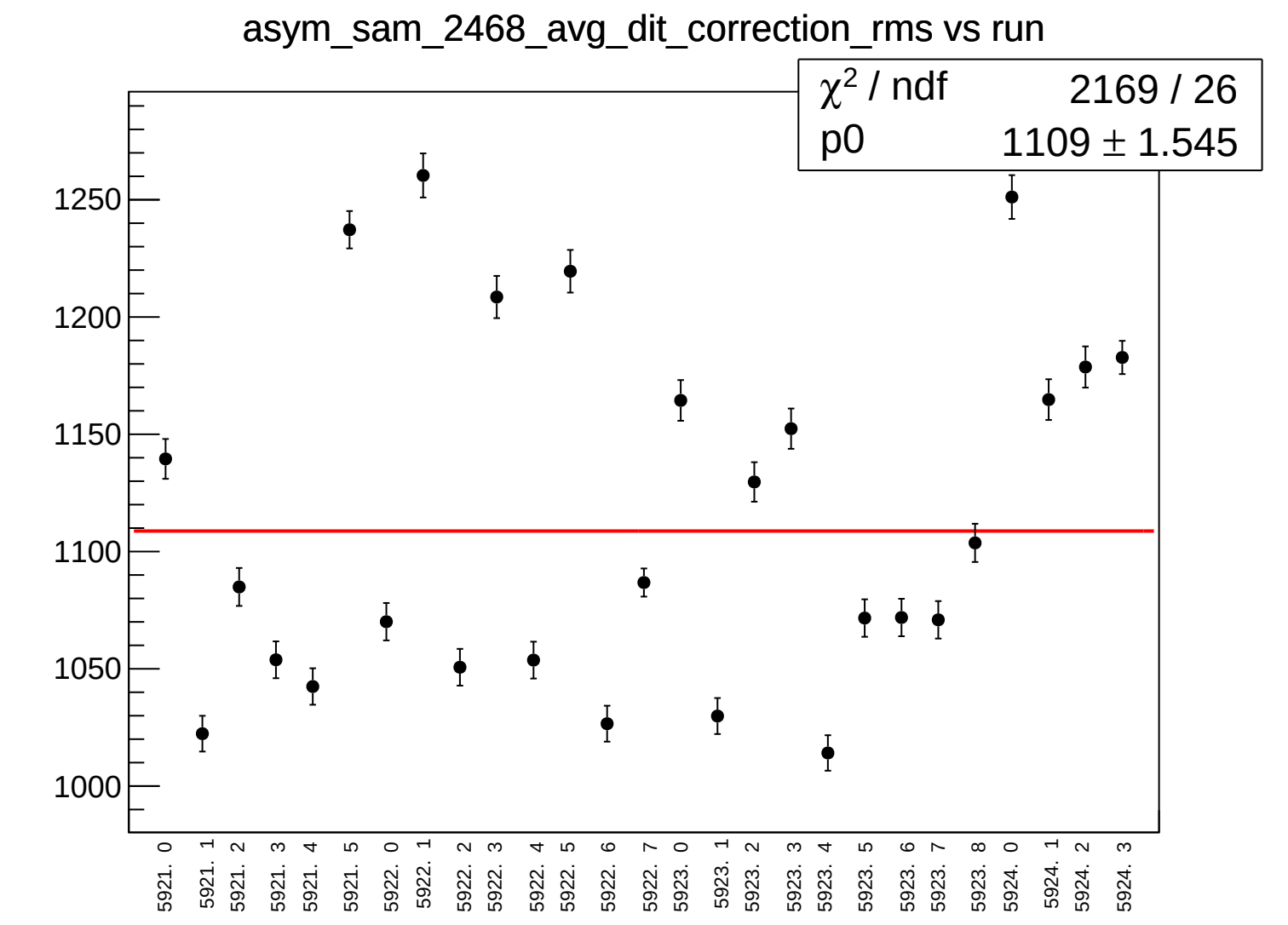

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 20.31 / 26
p0 −249 ± 199.1
3000
2000
1000
0
−1000
−2000
−3000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 59.38
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

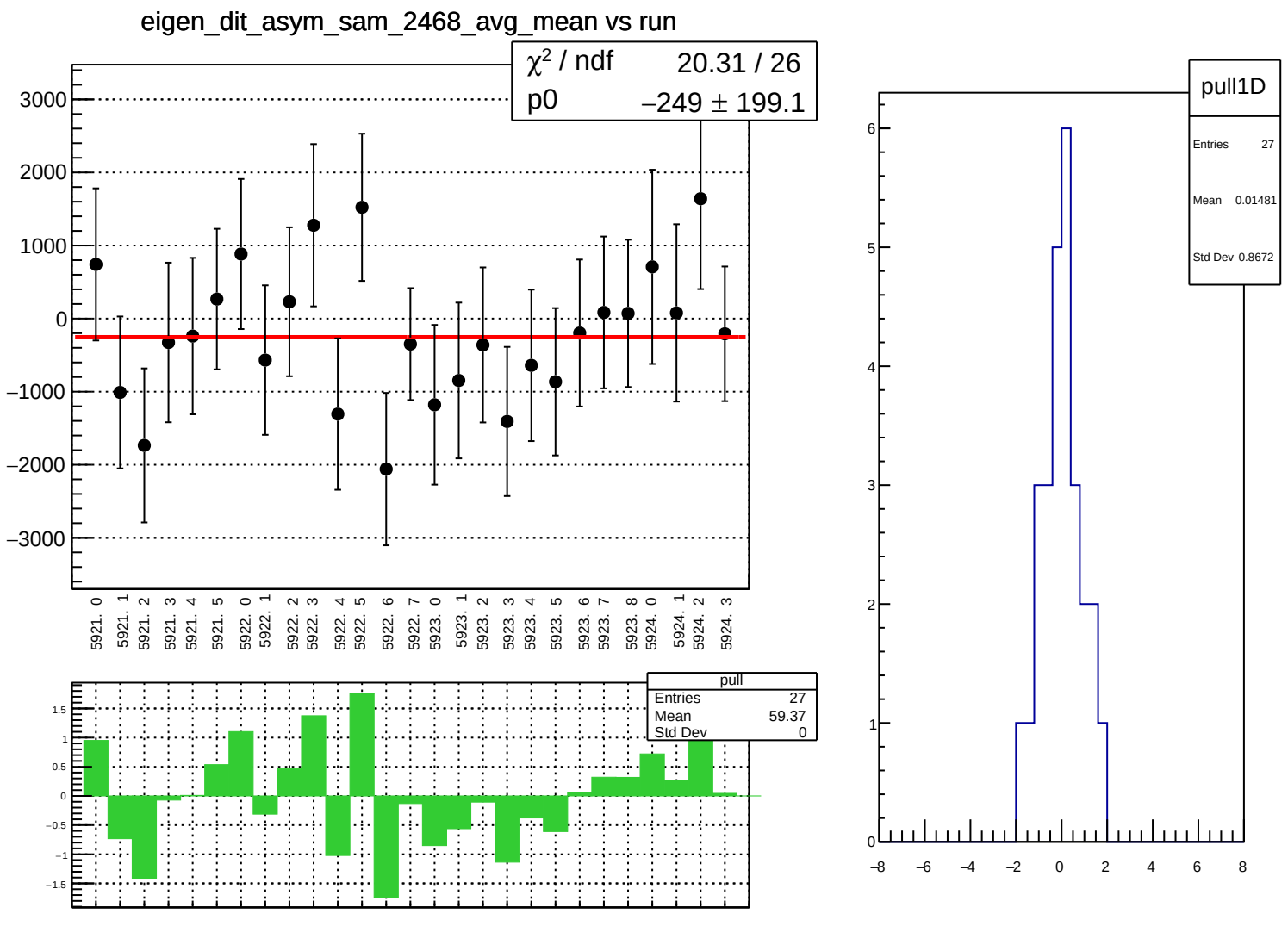

pull1D
Entries 27
Mean 0.01481
Std Dev 0.8672
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

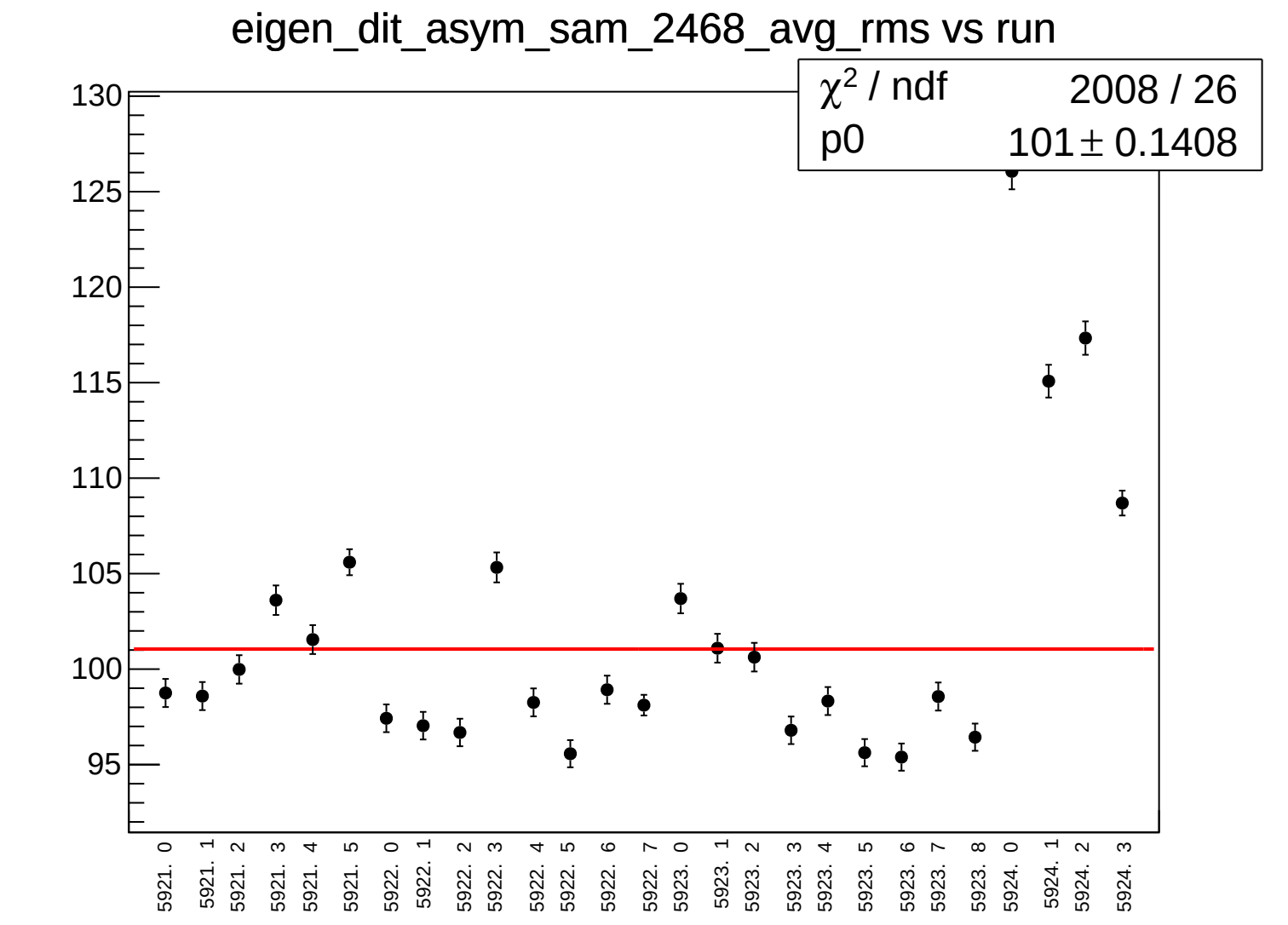

dit_asym_sam_2468_avg_rms vs run
χ^2 / ndf 2008 / 26
p0 101 ± 0.1408
130
125
120
115
110
105
100
95
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

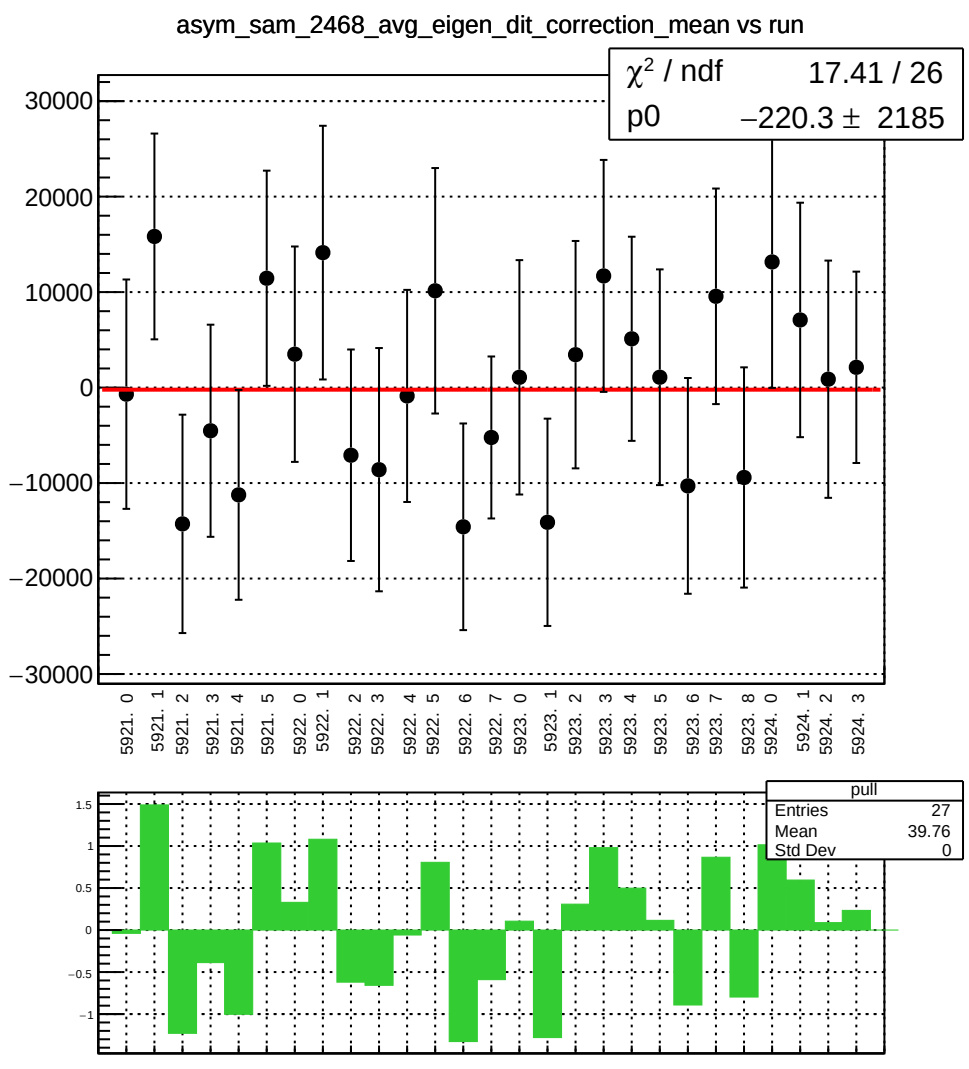

asym_sam_2468_avg_dit_correction_mean vs run
χ² / ndf 17.41 / 26
p0 −220.3 ± 2185
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 39.76
Std Dev 0
1.5
1
0.5
0
−0.5
−1

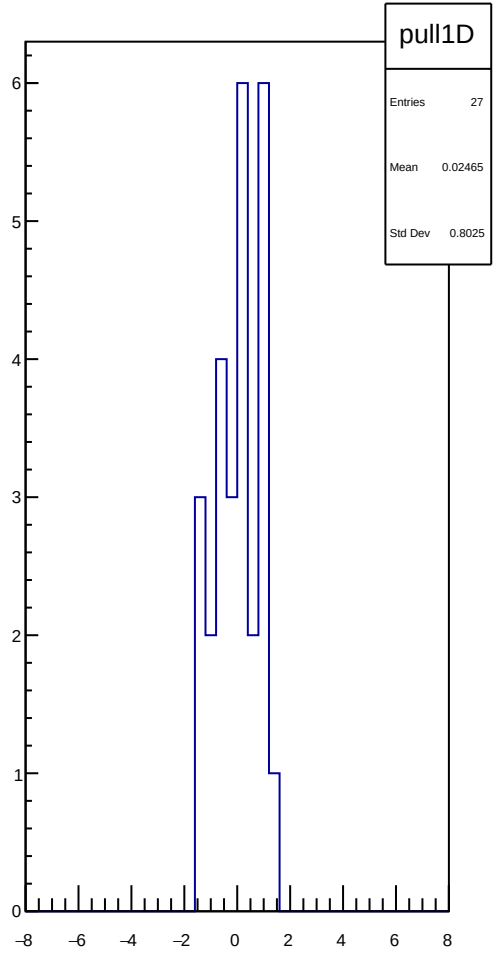

pull1D
Entries 27
Mean 0.02465
Std Dev 0.8025
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

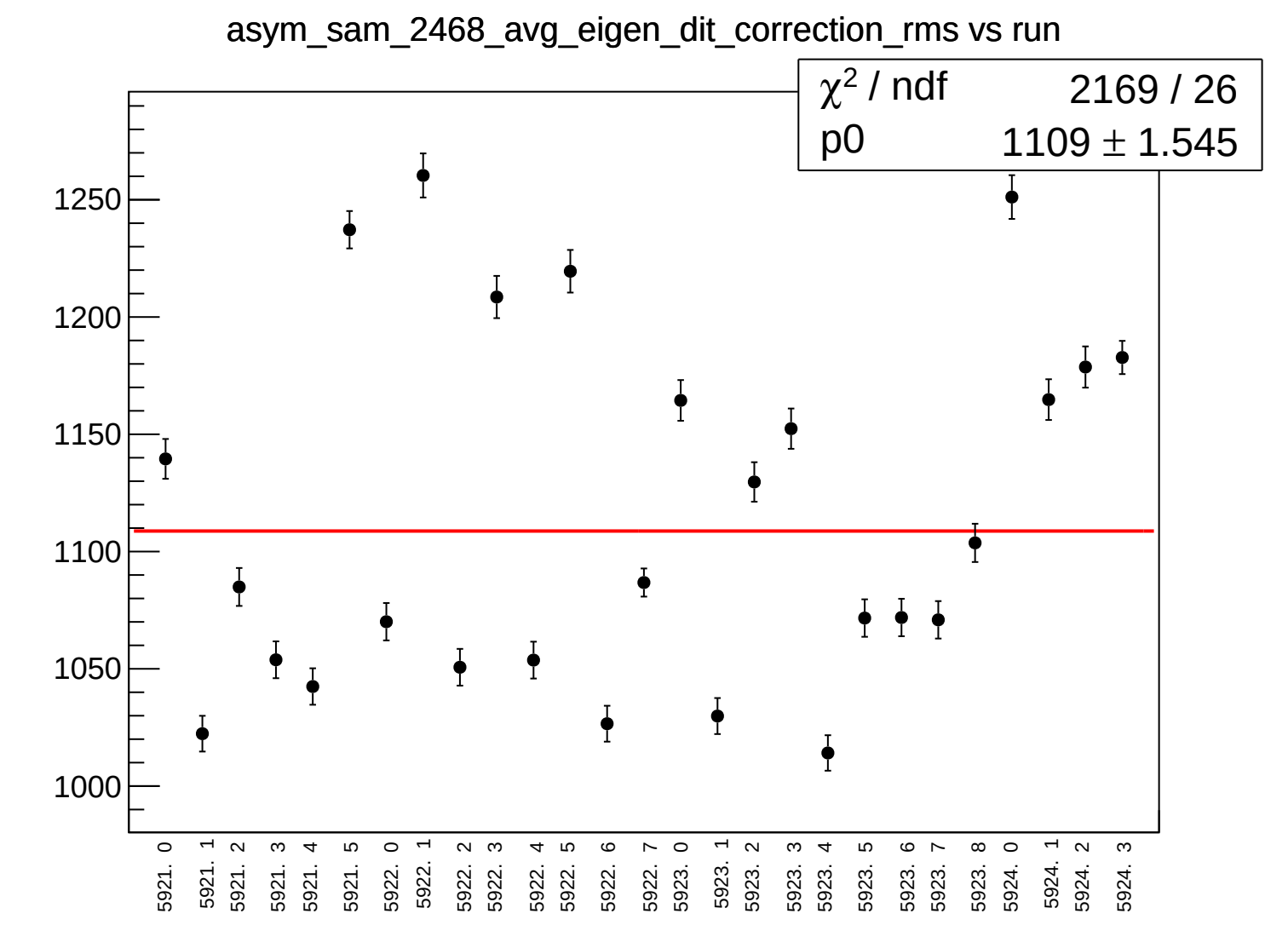

asym_sam_2468_avg_dit_correction_rms vs run
χ² / ndf 2169 / 26
p0 1109 ± 1.545
1250
1200
1150
1100
1050
1000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

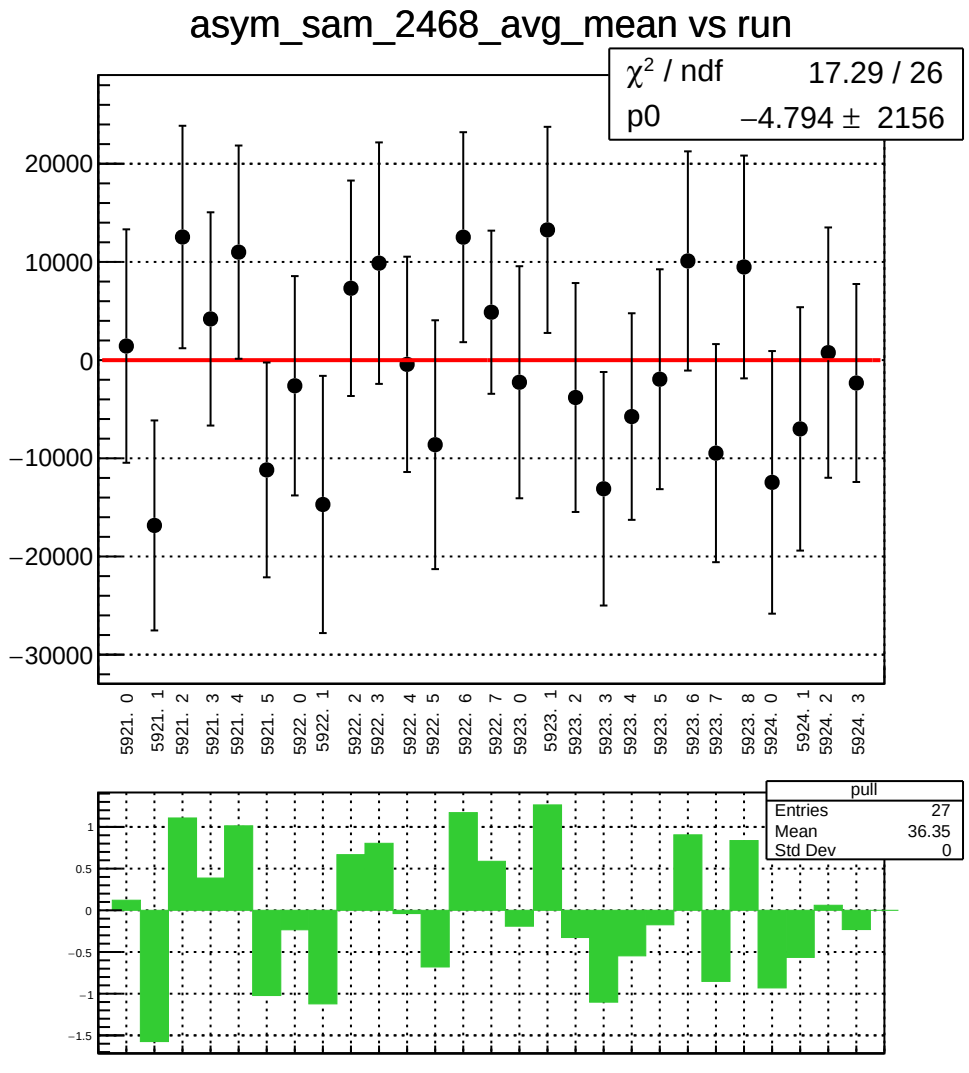

eigen_dit_asym_sam_2468_avg_mean vs run
χ² / ndf 20.31 / 26
p0 −249 ± 199.1
3000
2000
1000
0
−1000
−2000
−3000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 59.37
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.01481
Std Dev 0.8672
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

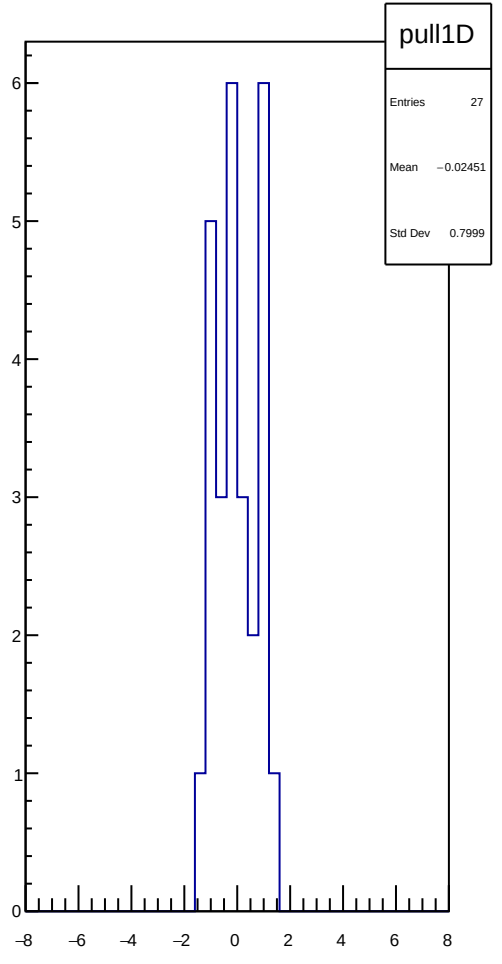

eigen_dit_asym_sam_2468_avg_rms vs run
χ^2 / ndf 2008 / 26
p0 101 ± 0.1408
130
125
120
115
110
105
100
95
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

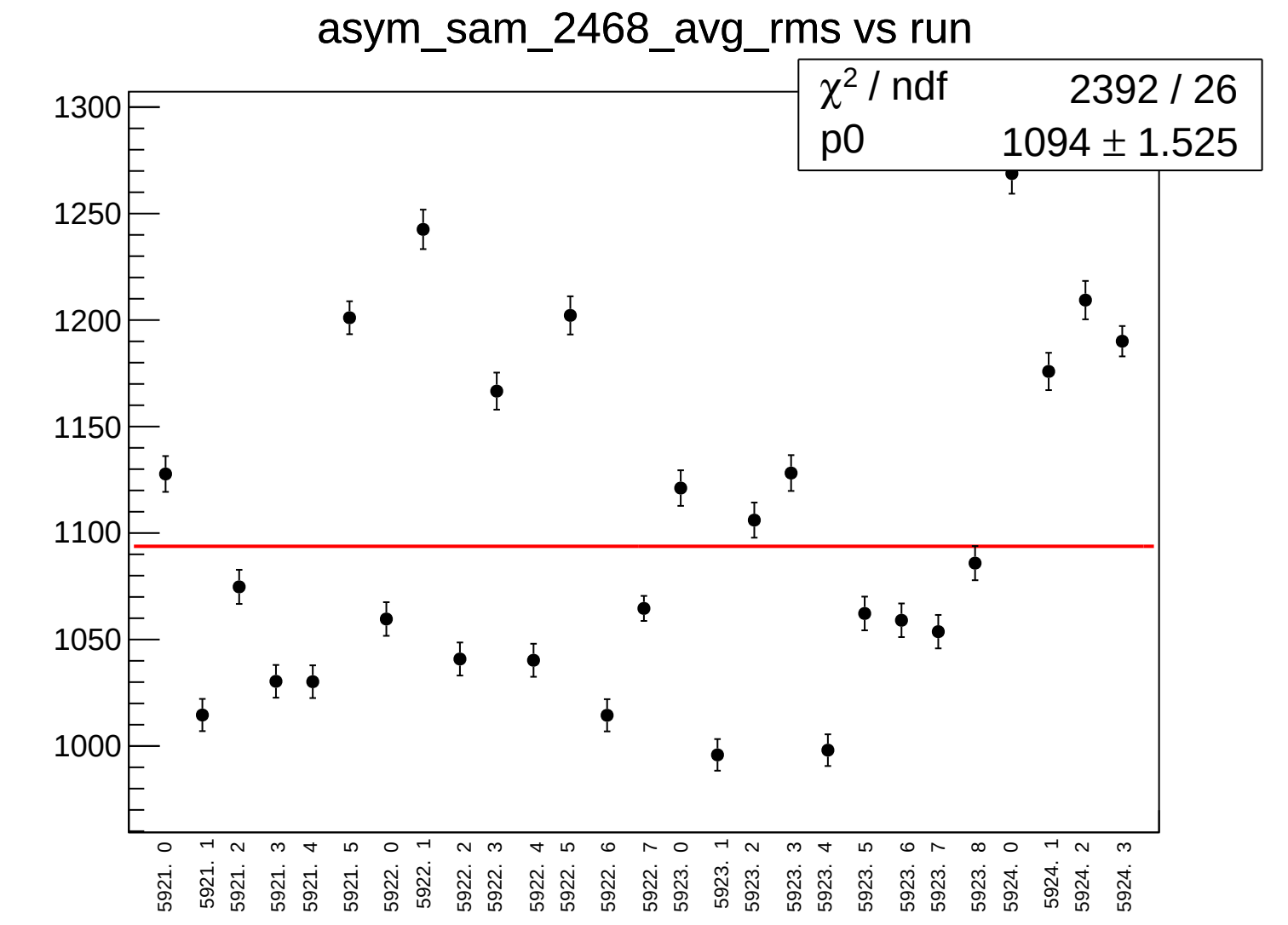

asym_sam_2468_avg_eigen_dit_correction_mean vs run
χ² / ndf 17.41 / 26
p0 −220.3 ± 2185
30000
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 39.76
Std Dev 0
1.5
1
0.5
0
−0.5
−1

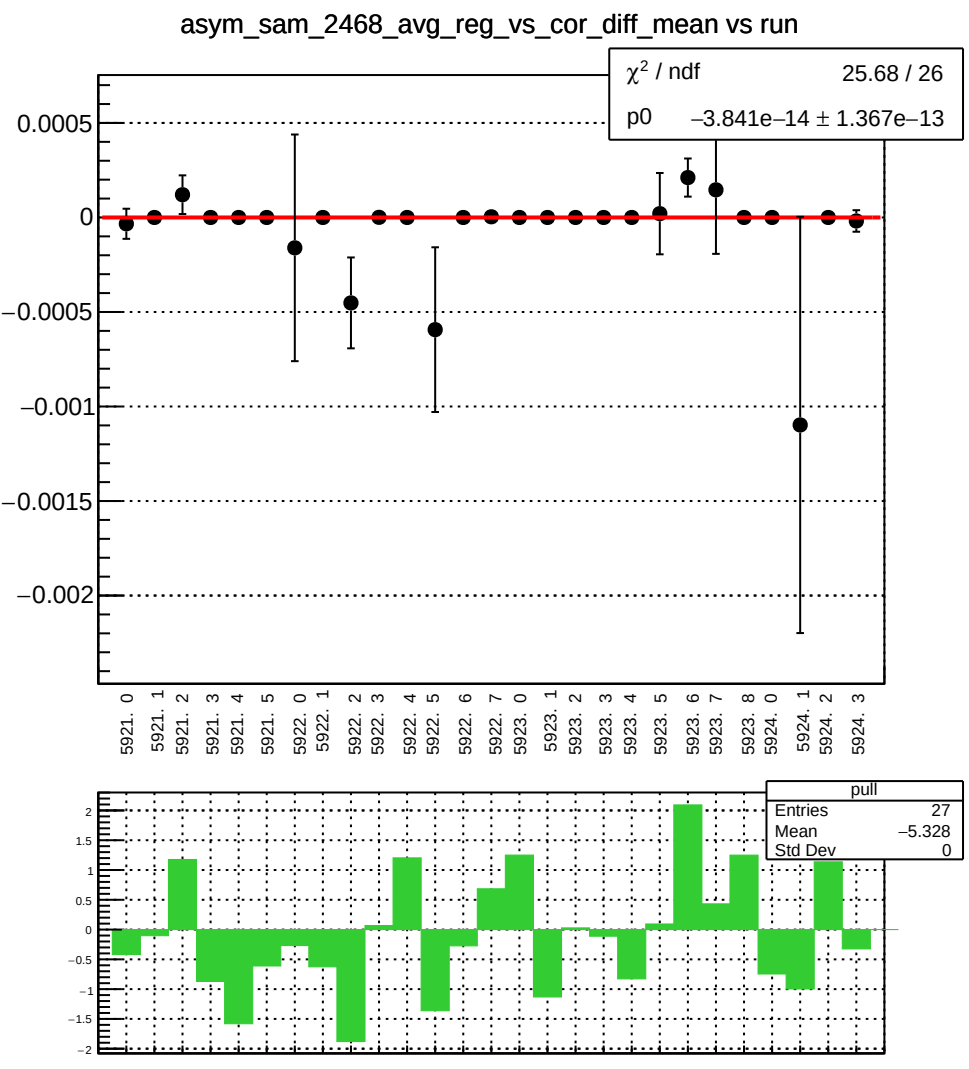

pull1D
Entries 27
Mean 0.02465
Std Dev 0.8025
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

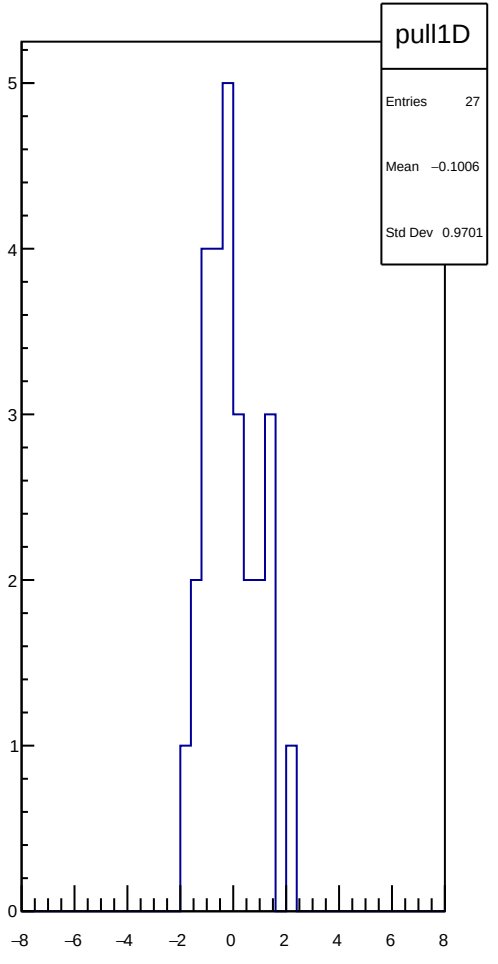

asym_sam_2468_avg_eigen_dit_correction_rms vs run
χ² / ndf 2169 / 26
p0 1109 ± 1.545
1250
1200
1150
1100
1050
1000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

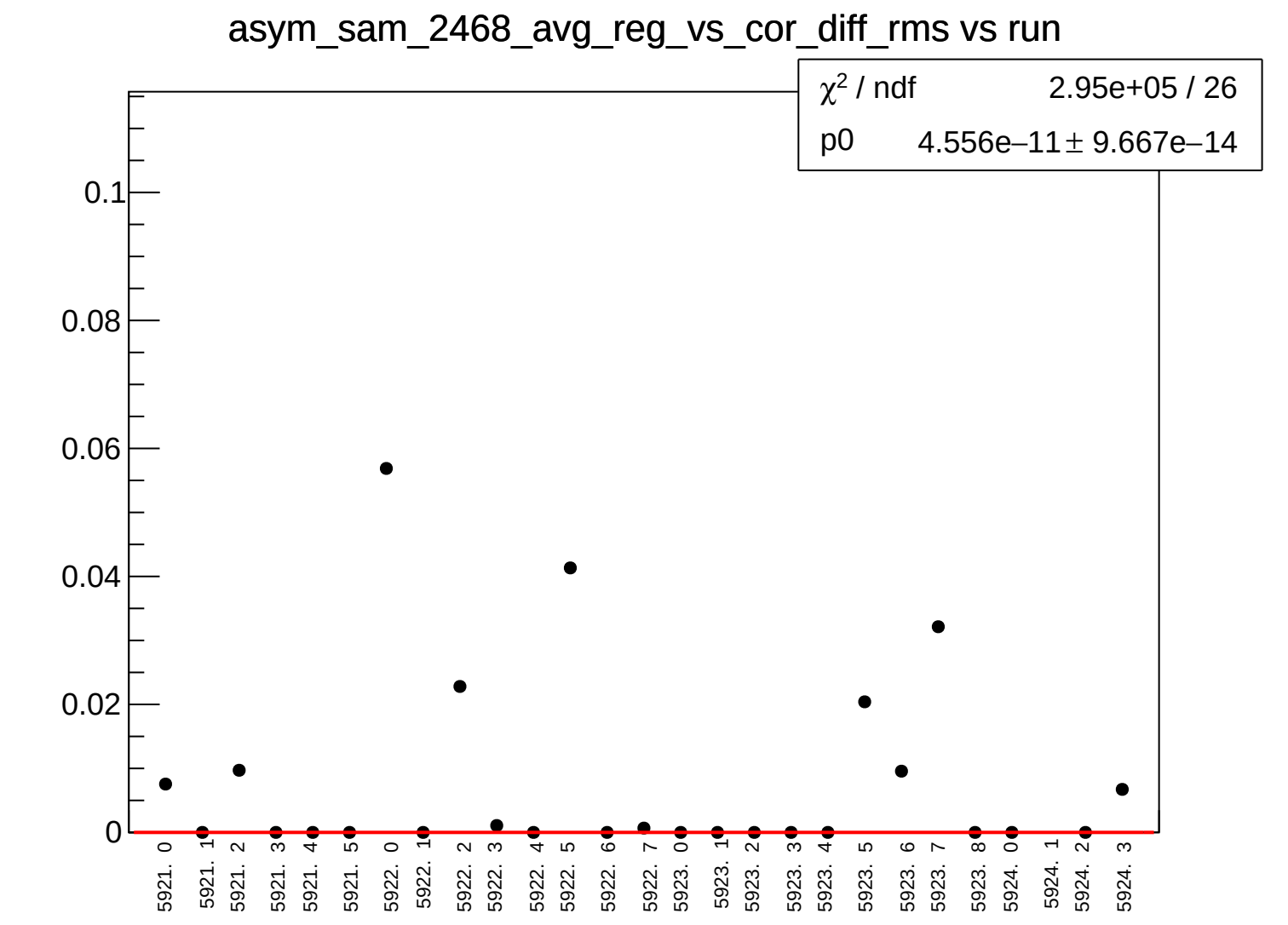

asym_sam_2468_avg_mean vs run
χ² / ndf 17.29 / 26
p0 −4.794 ± 2156
20000
10000
0
−10000
−20000
−30000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 36.35
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

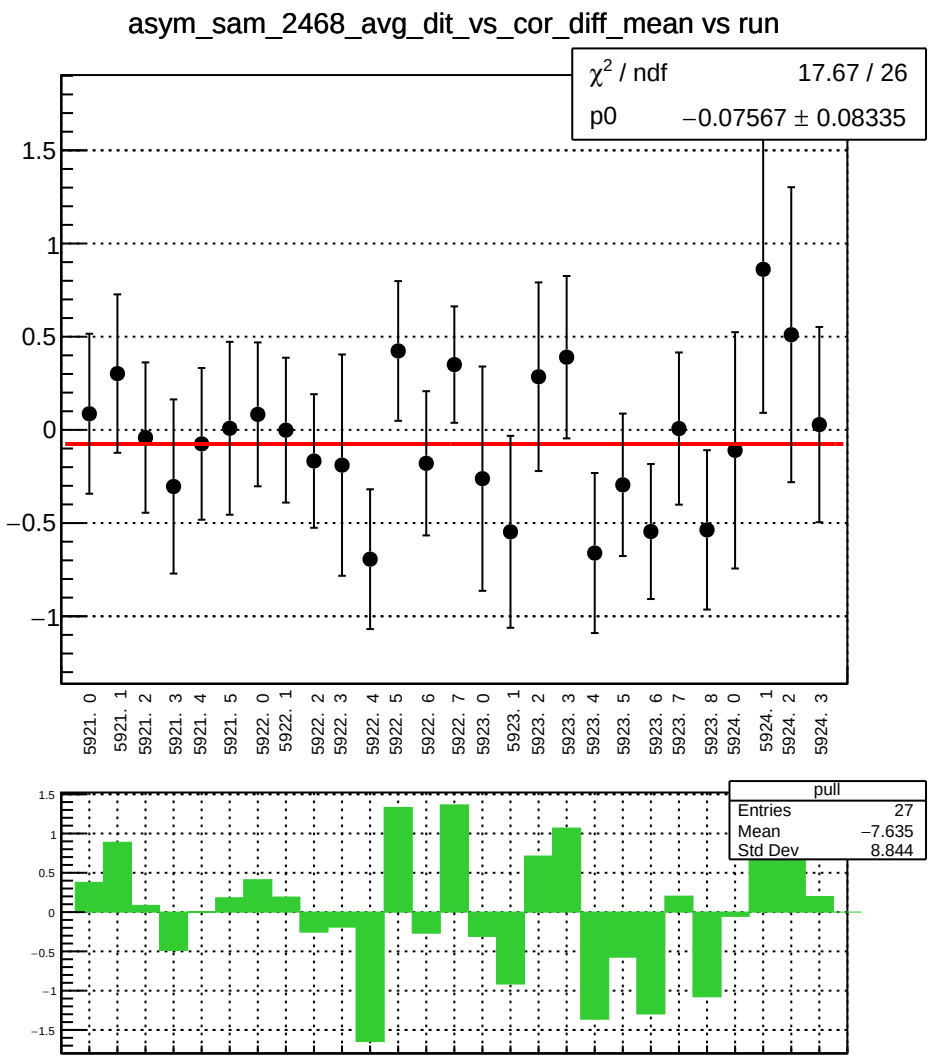

pull1D
Entries 27
Mean −0.02451
Std Dev 0.7999
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

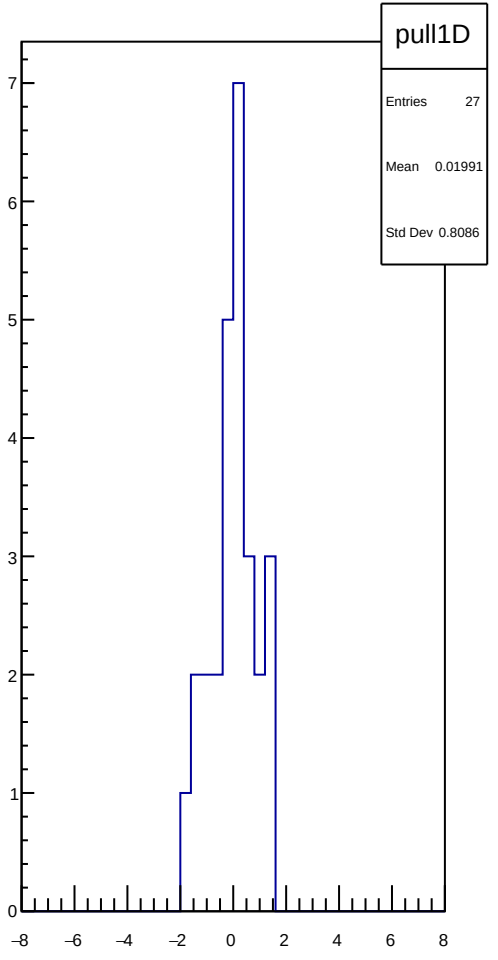

asym_sam_2468_avg_rms vs run
χ² / ndf 2392 / 26
p0 1094 ± 1.525
1300
1250
1200
1150
1100
1050
1000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

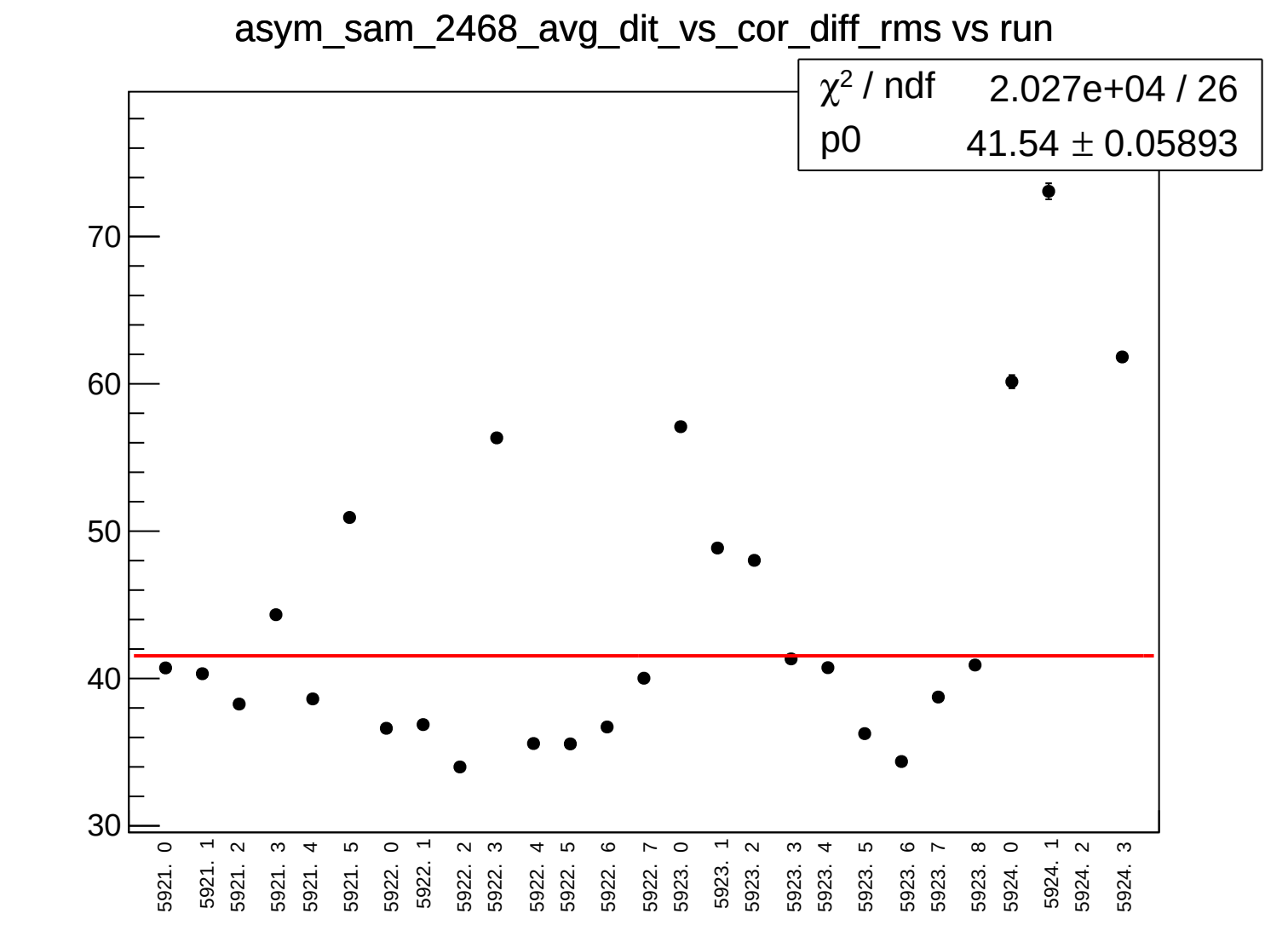

asym_sam_2468_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 25.68 / 26
p0 −3.841e−14 ± 1.367e−13
0.0005
0
−0.0005
−0.001
−0.0015
−0.002
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −5.328
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

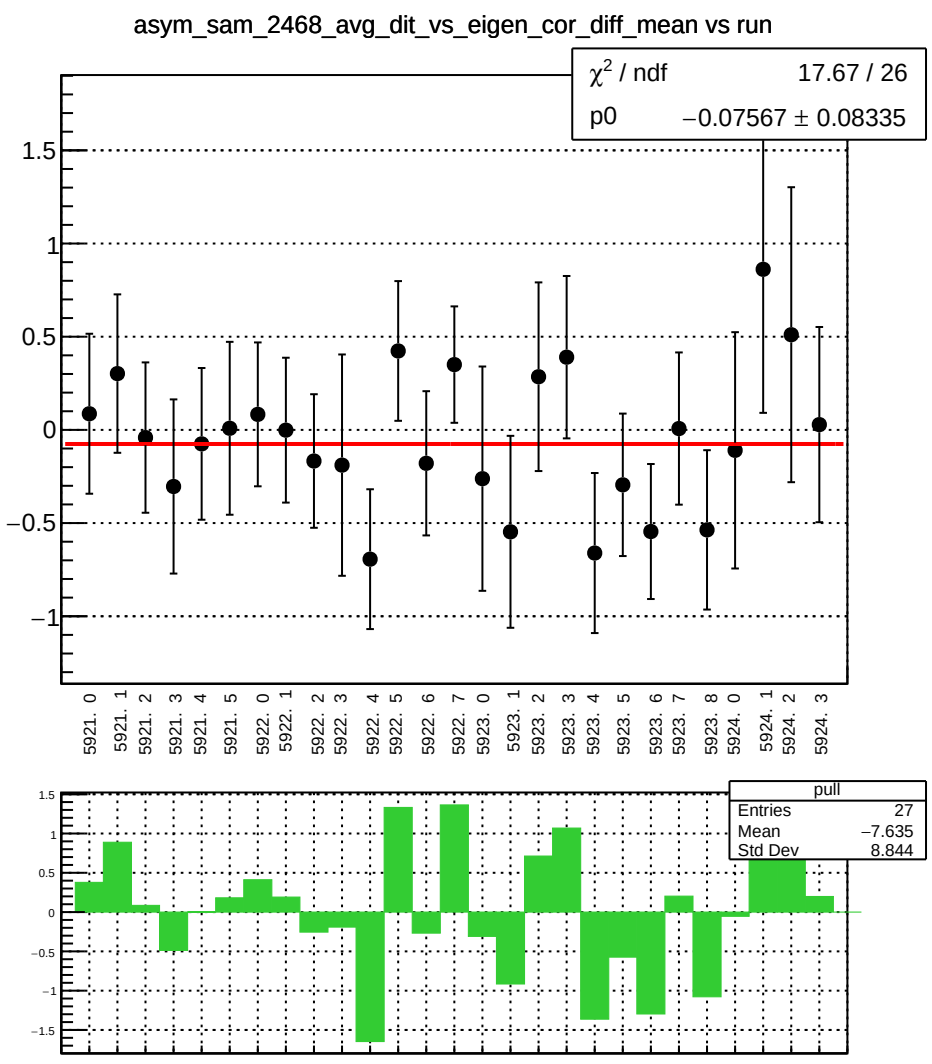

pull1D
Entries 27
Mean −0.1006
Std Dev 0.9701
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

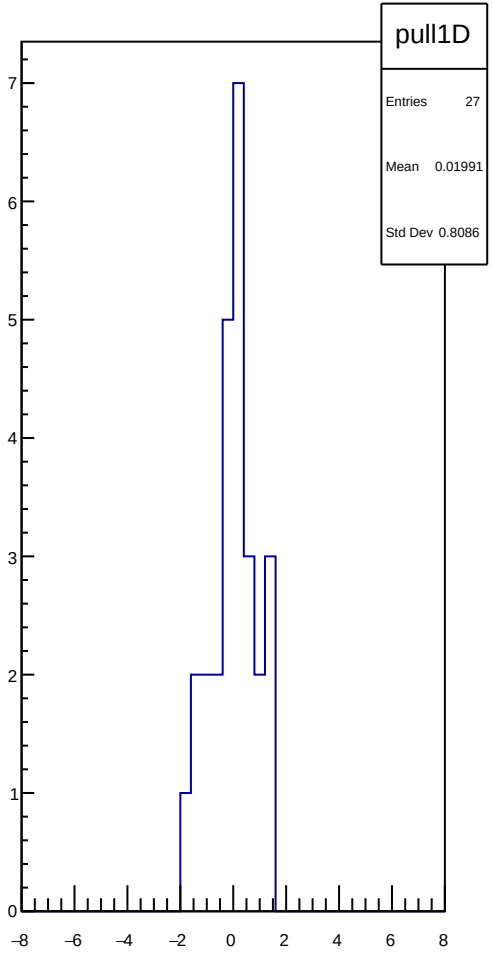

asym_sam_2468_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 2.95e+05 / 26
p0 4.556e−11 ± 9.667e−14
0.1
0.08
0.06
0.04
0.02
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

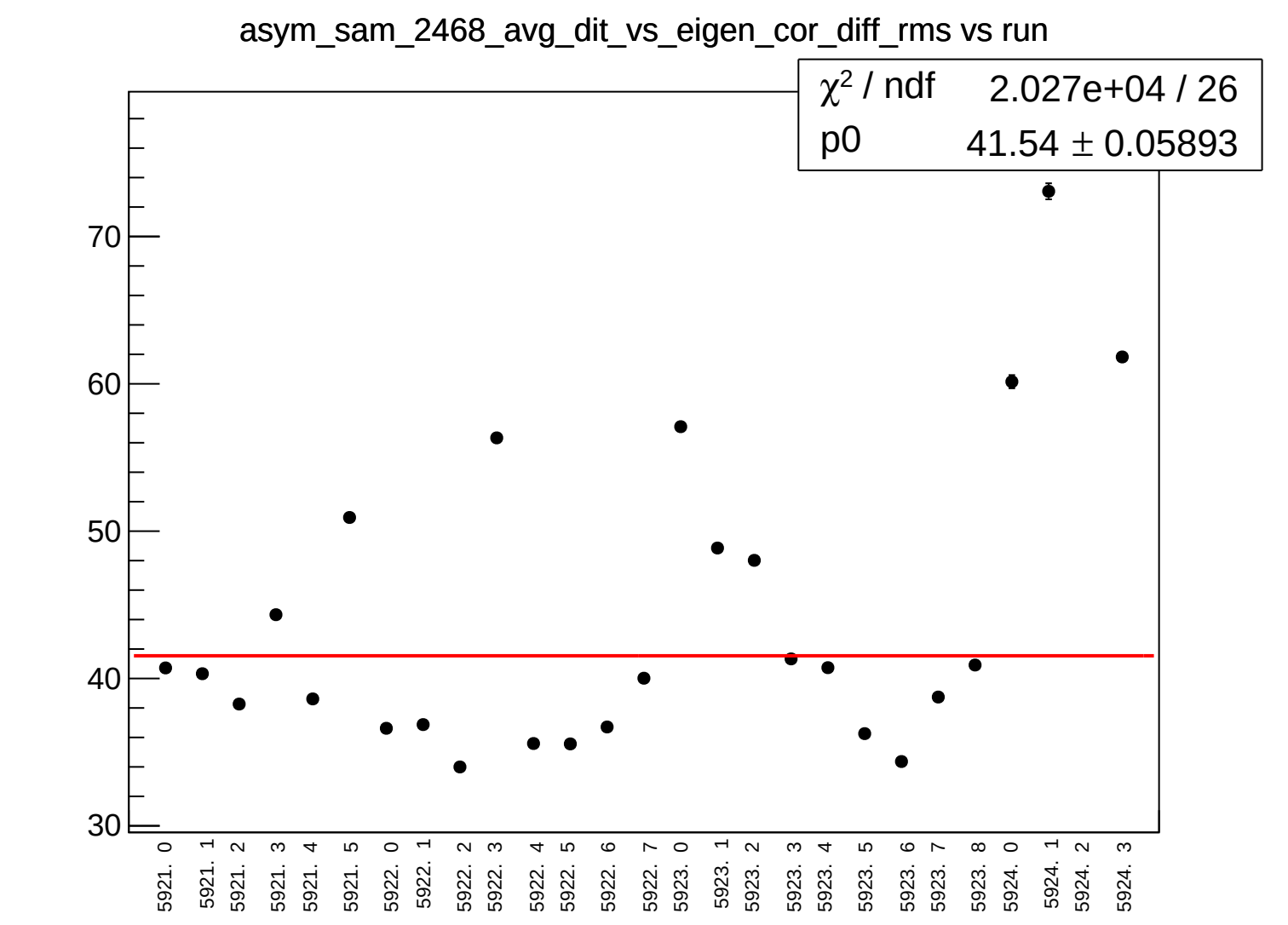

asym_sam_2468_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 17.67 / 26
p0 −0.07567 ± 0.08335
1.5
1
0.5
0
−0.5
−1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −7.635
Std Dev 8.844
1.5
1
0.5
0
−0.5
−1
−1.5

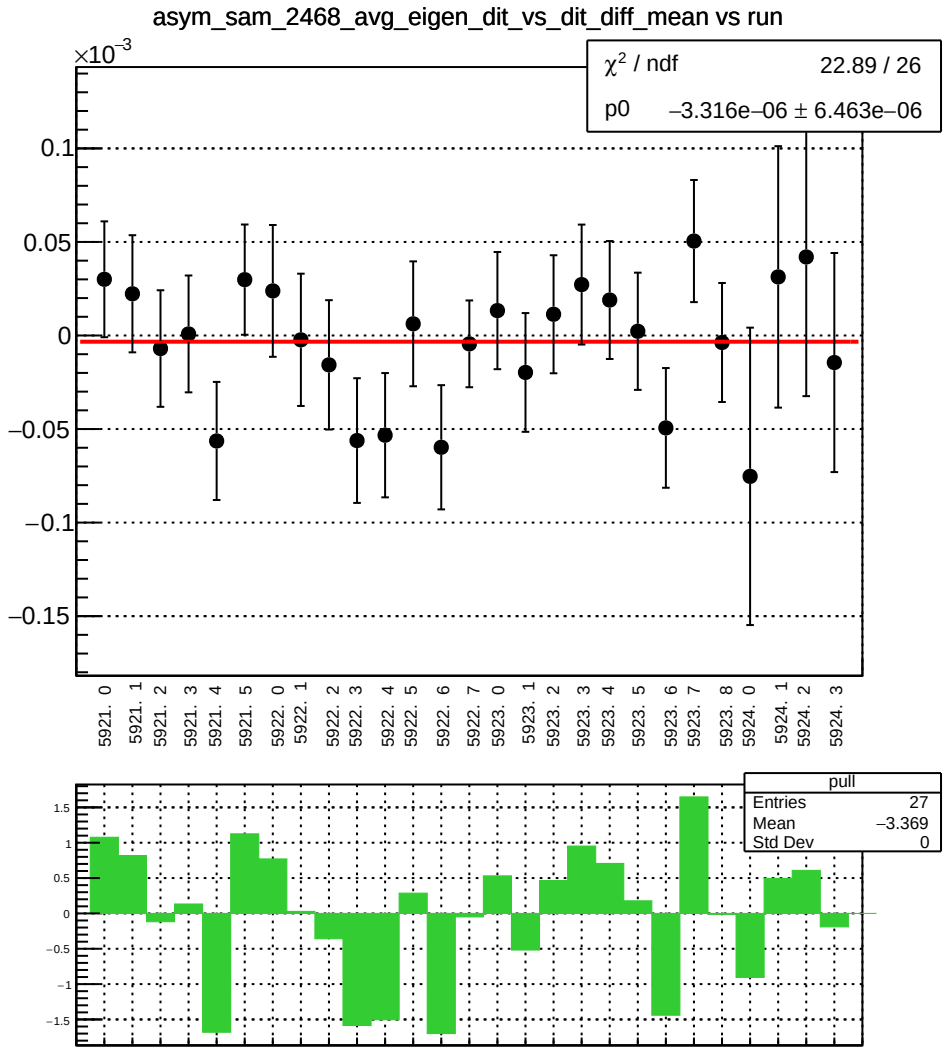

pull1D
Entries 27
Mean 0.01991
Std Dev 0.8086
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

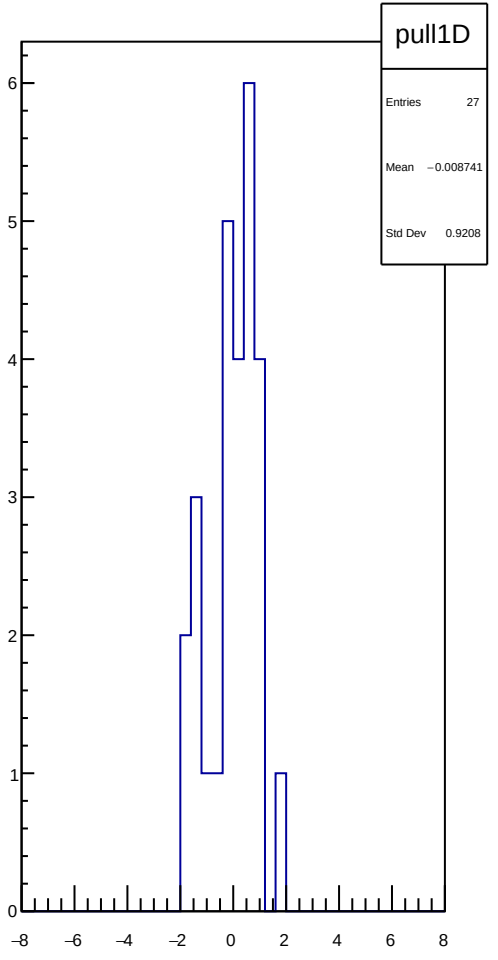

asym_sam_2468_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.027e+04 / 26
p0 41.54 ± 0.05893
70
60
50
40
30
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

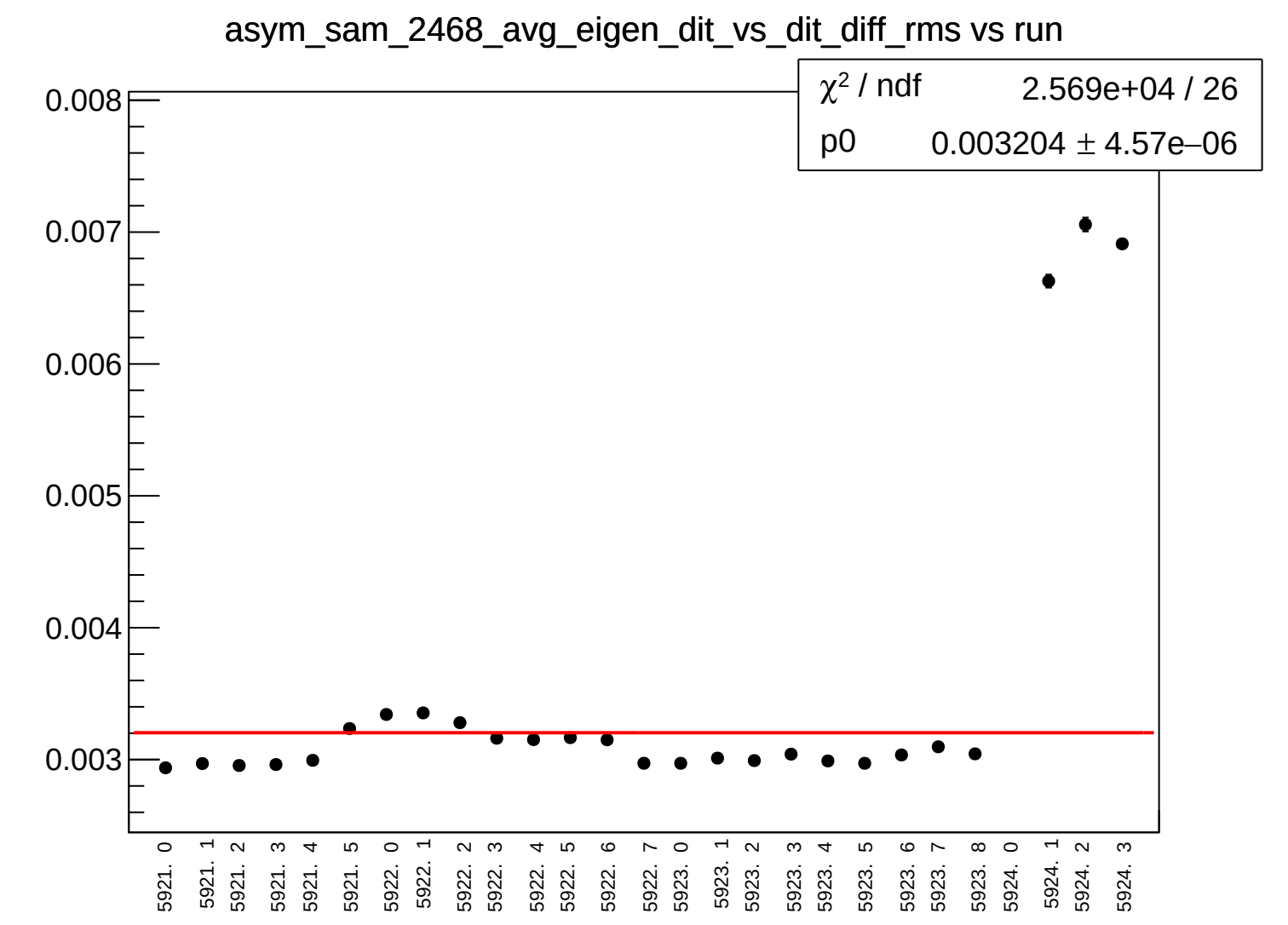

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 17.67 / 26
p0 −0.07567 ± 0.08335
1.5
1
0.5
0
−0.5
−1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −7.635
Std Dev 8.844
1.5
1
0.5
0
−0.5
−1
−1.5

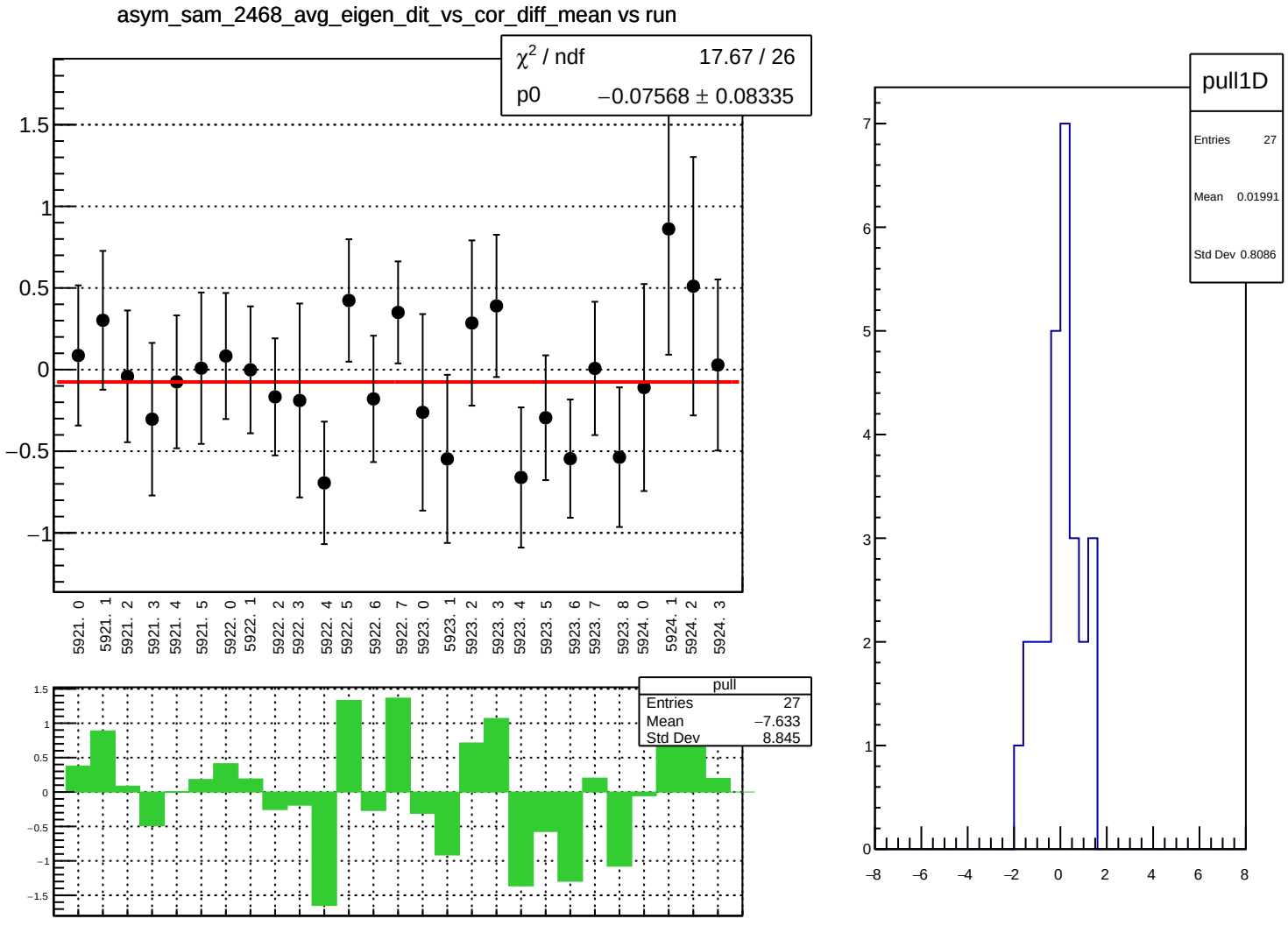

pull1D
Entries 27
Mean 0.01991
Std Dev 0.8086
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

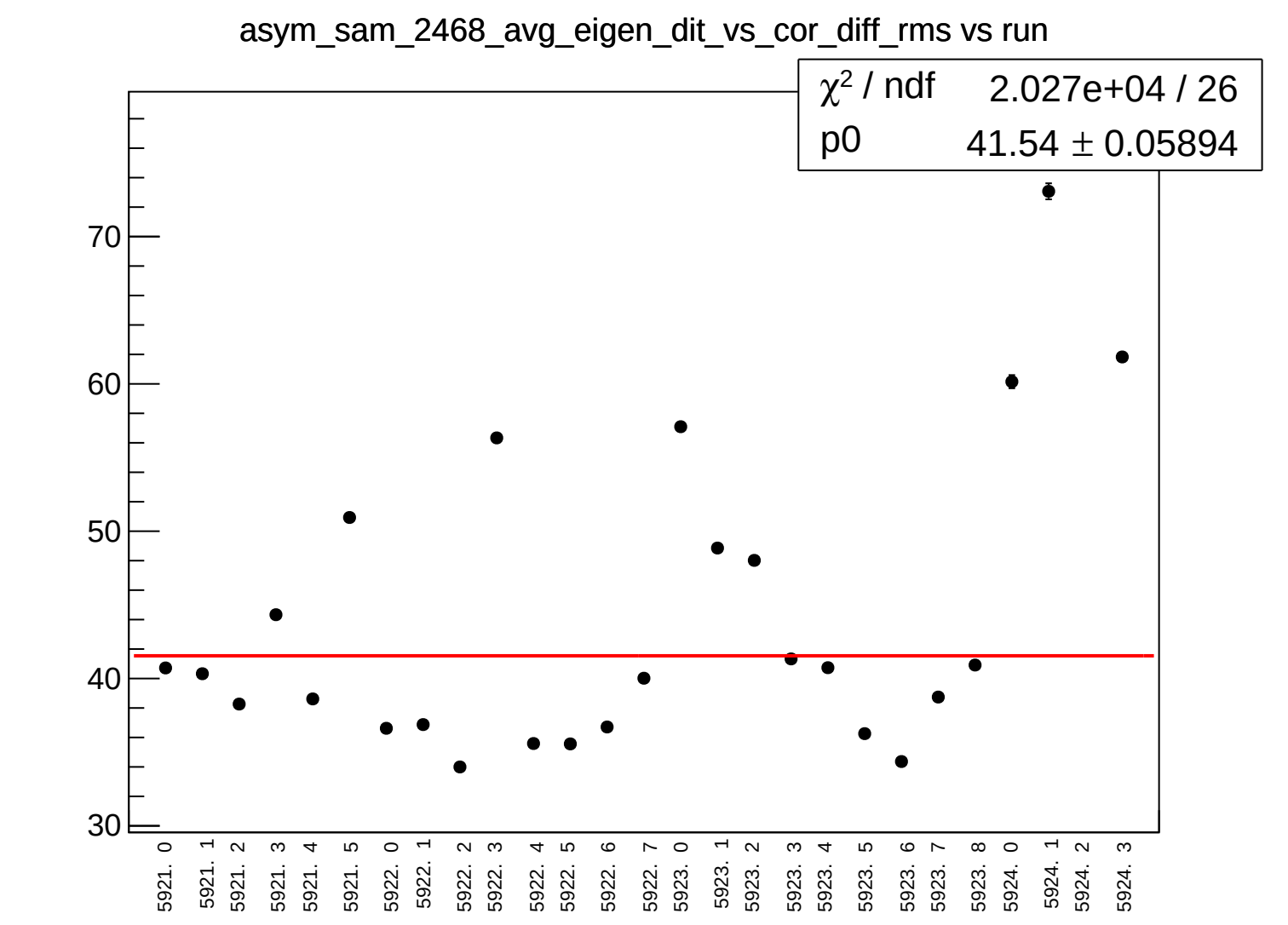

asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.027e+04 / 26
p0 41.54 ± 0.05893
70
60
50
40
30
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

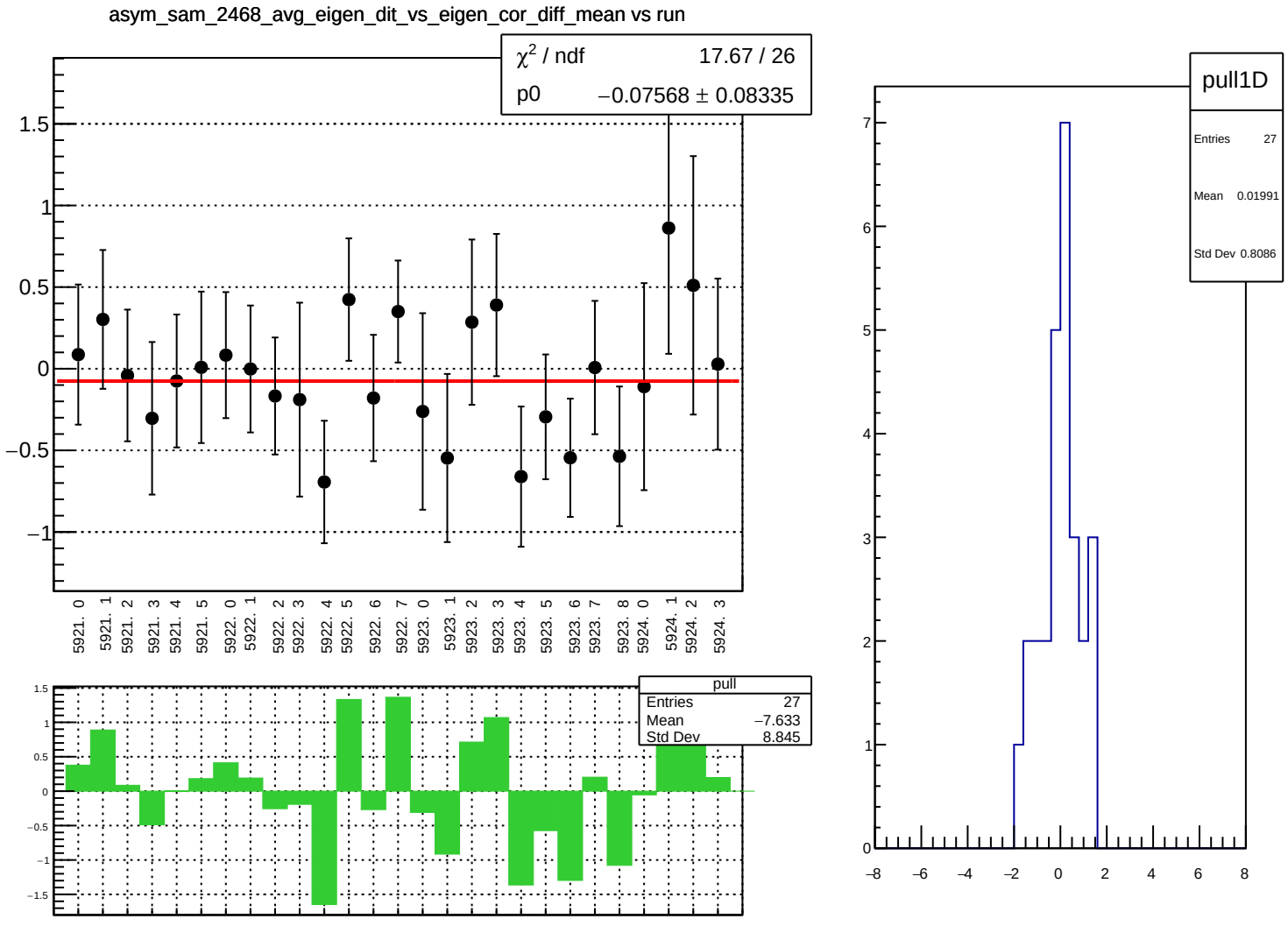

asym_sam_2468_avg_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 22.89 / 26
p0 −3.316e−06 ± 6.463e−06
0.1
0.05
0
−0.05
−0.1
−0.15
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −3.369
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

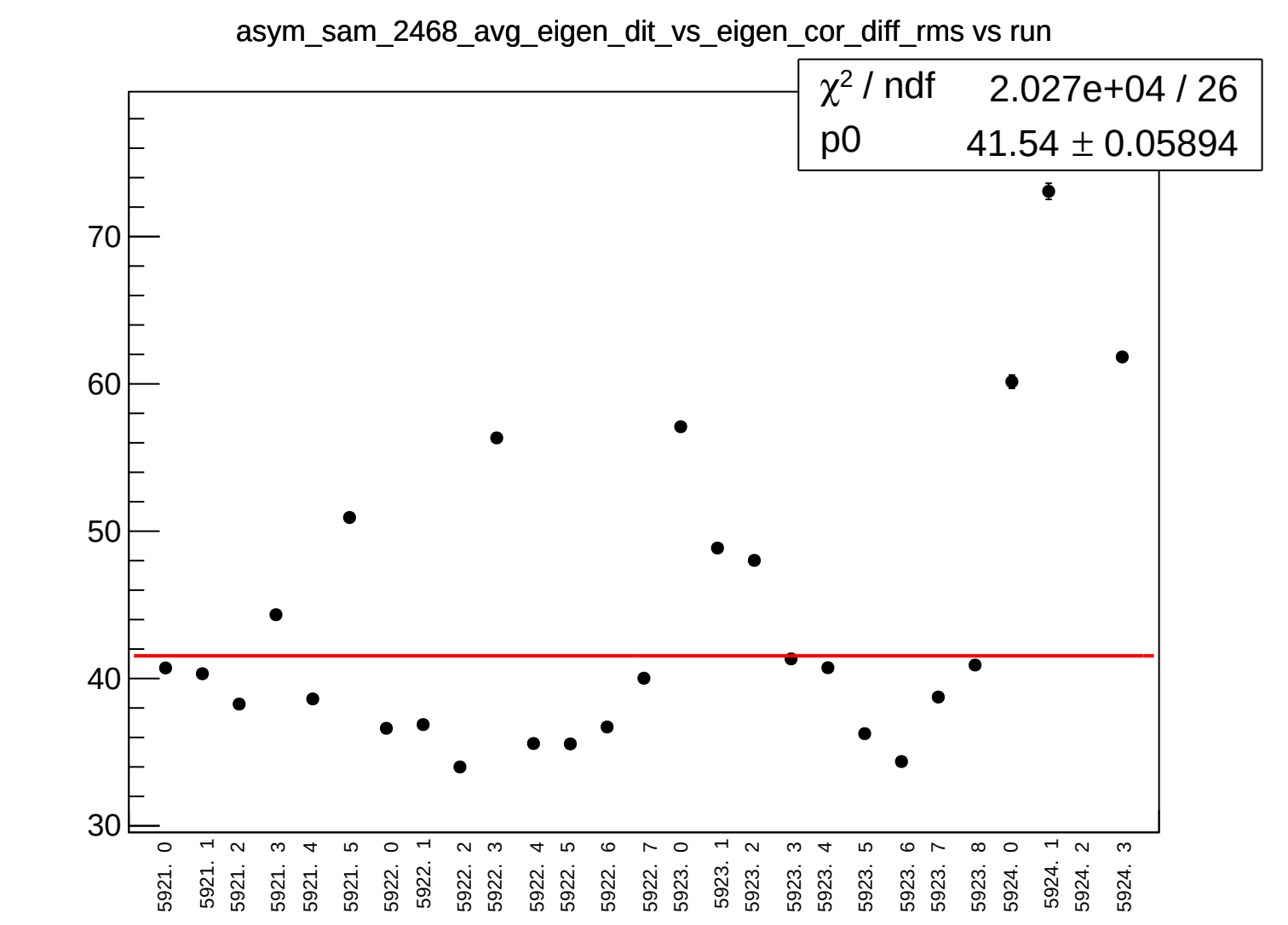

pull1D
Entries 27
Mean −0.008741
Std Dev 0.9208
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

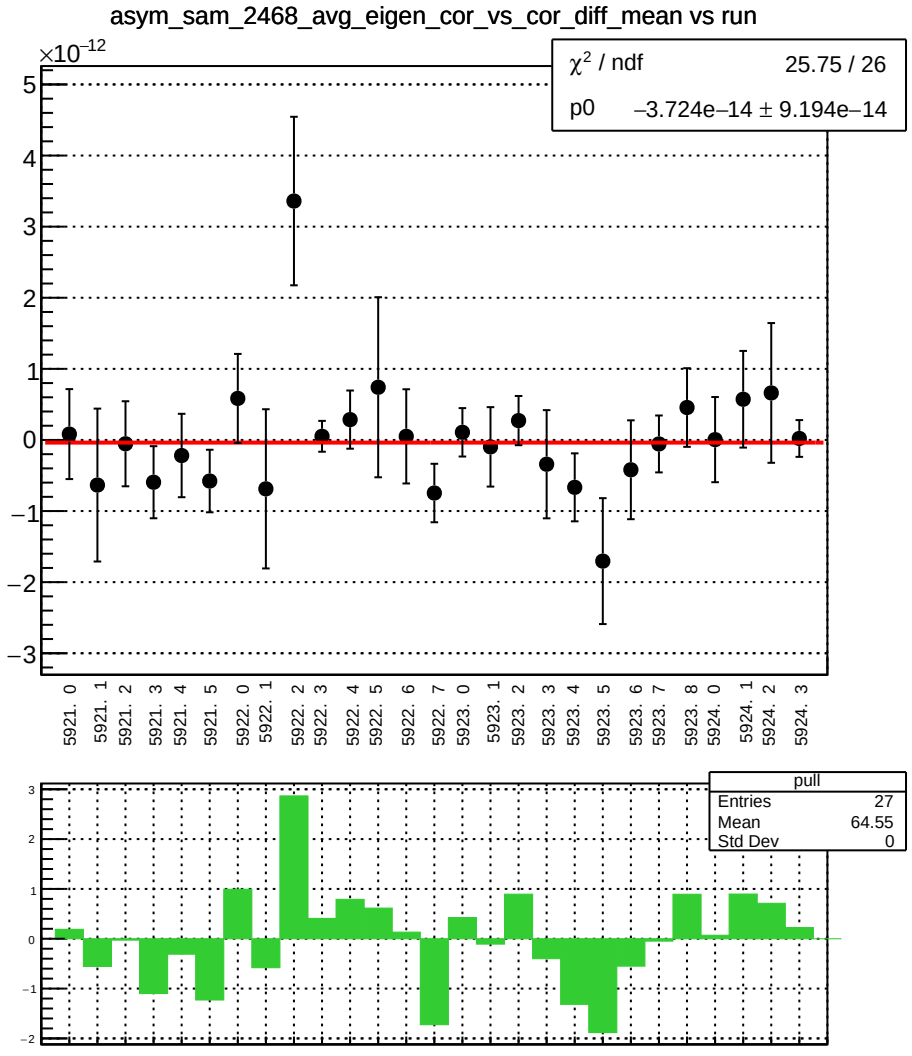

asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.569e+04 / 26
p0 0.003204 ± 4.57e−06
0.008
0.007
0.006
0.005
0.004
0.003
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

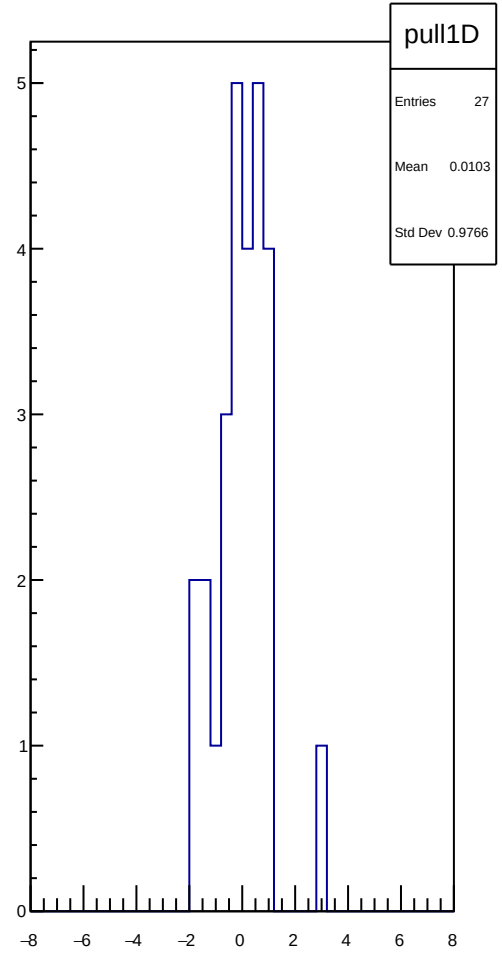

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 17.67 / 26
p0 −0.07568 ± 0.08335
1.5
1
0.5
0
−0.5
−1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −7.633
Std Dev 8.845
pull1D
Entries 27
Mean 0.01991
Std Dev 0.8086
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

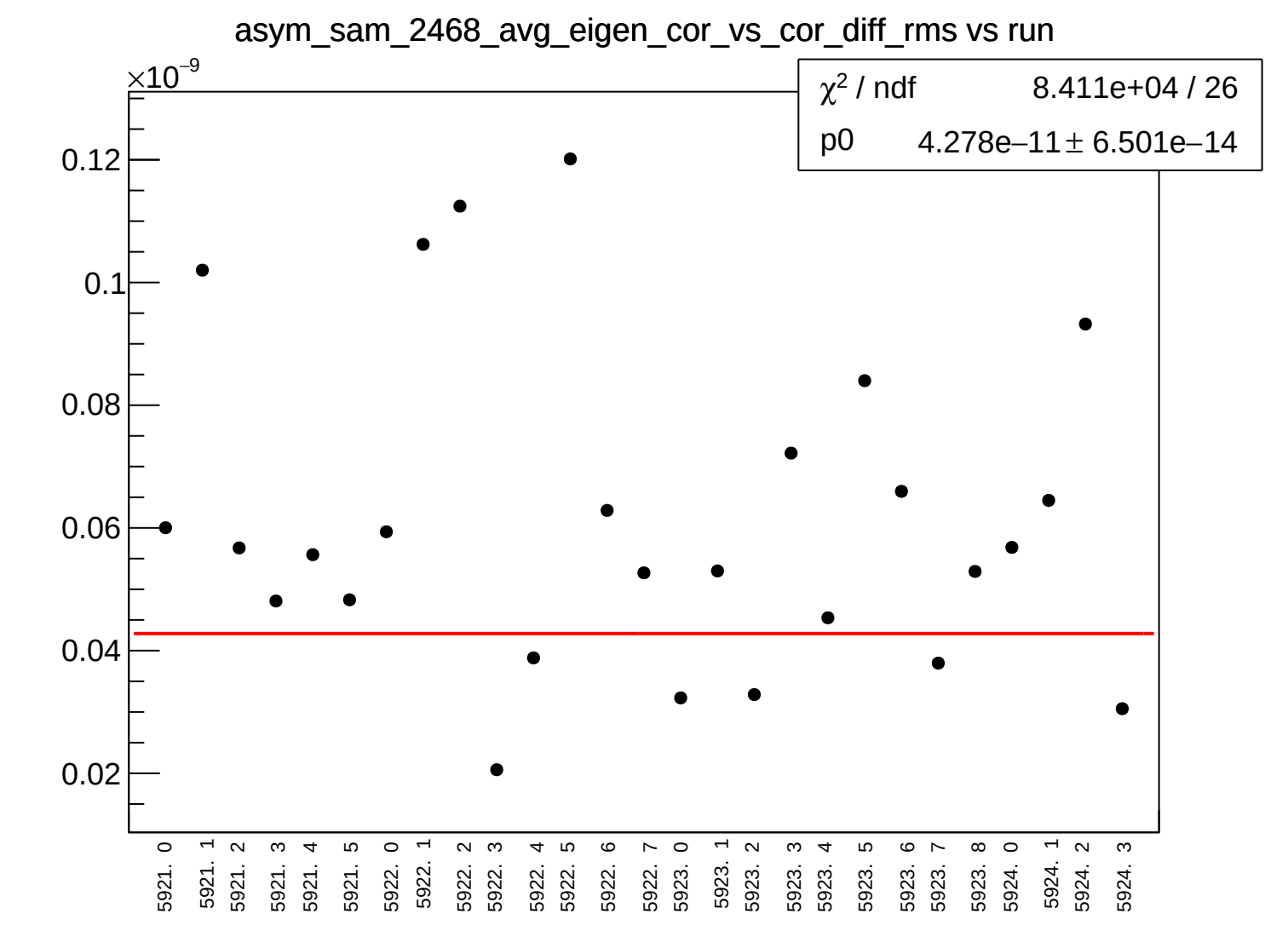

asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.027e+04 / 26
p0 41.54 ± 0.05894
70
60
50
40
30
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

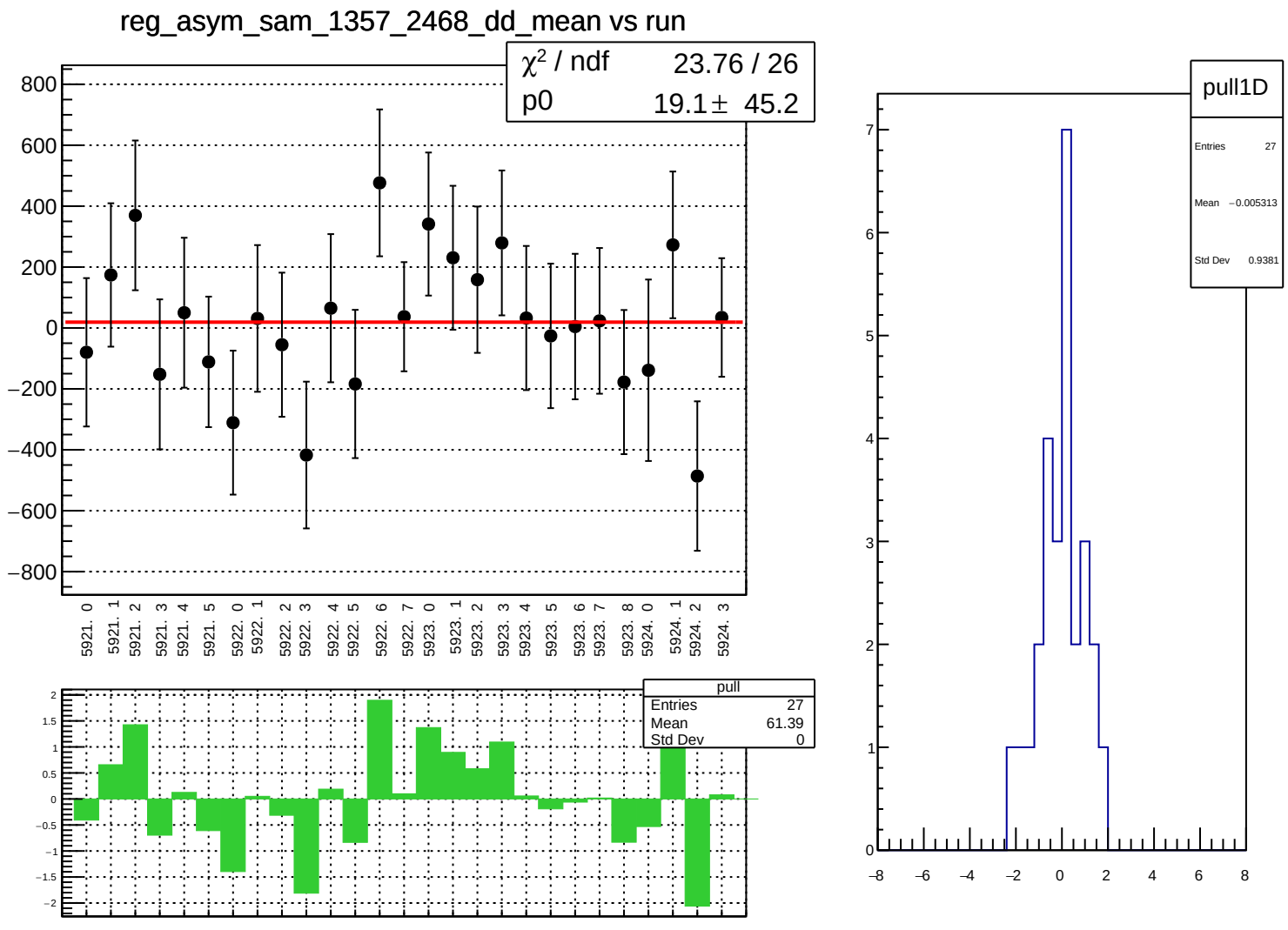

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 17.67 / 26
p0 −0.07568 ± 0.08335
1.5
1
0.5
0
−0.5
−1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −7.633
Std Dev 8.845
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.01991
Std Dev 0.8086
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

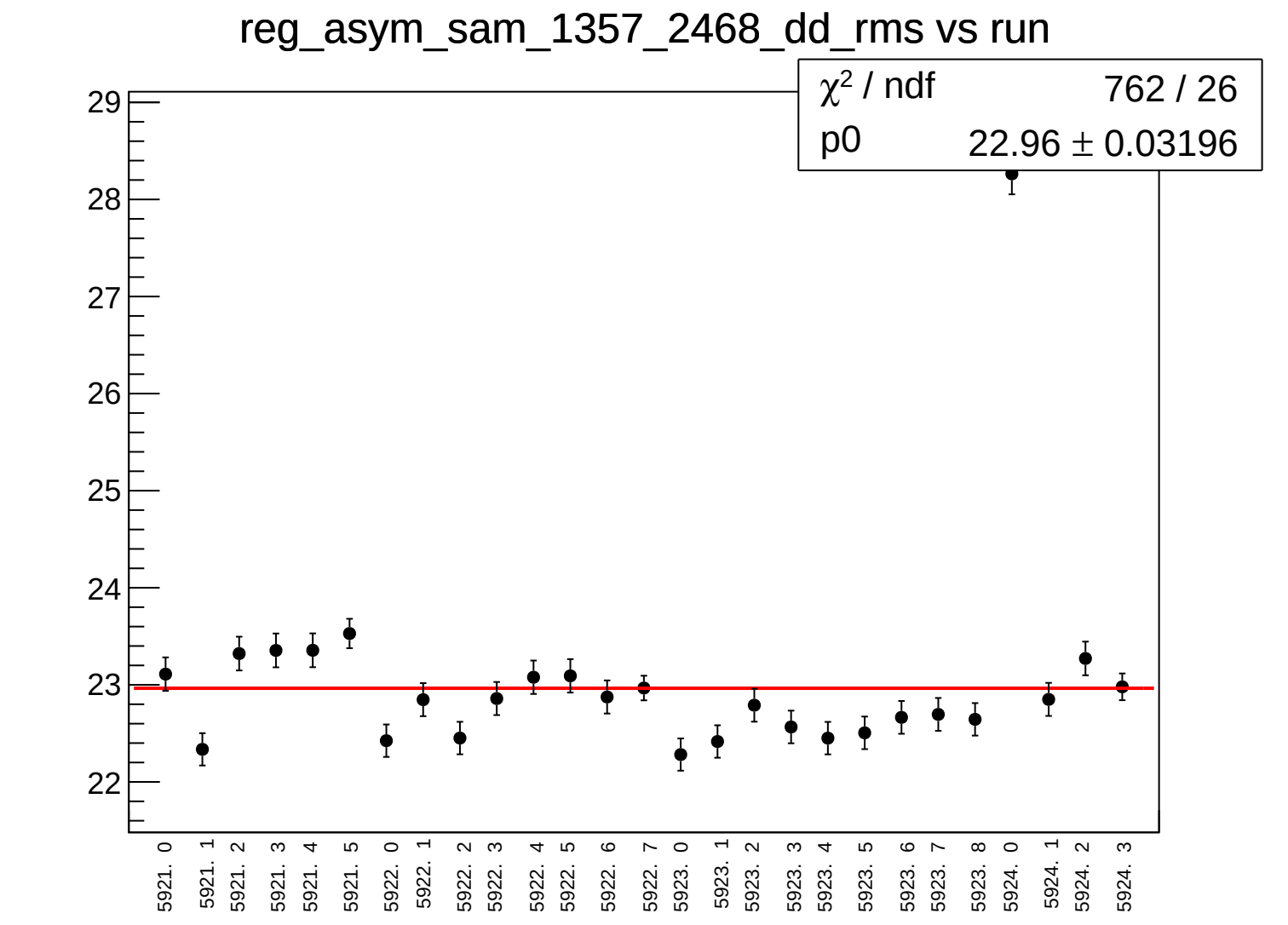

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.027e+04 / 26
p0 41.54 ± 0.05894
70
60
50
40
30
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

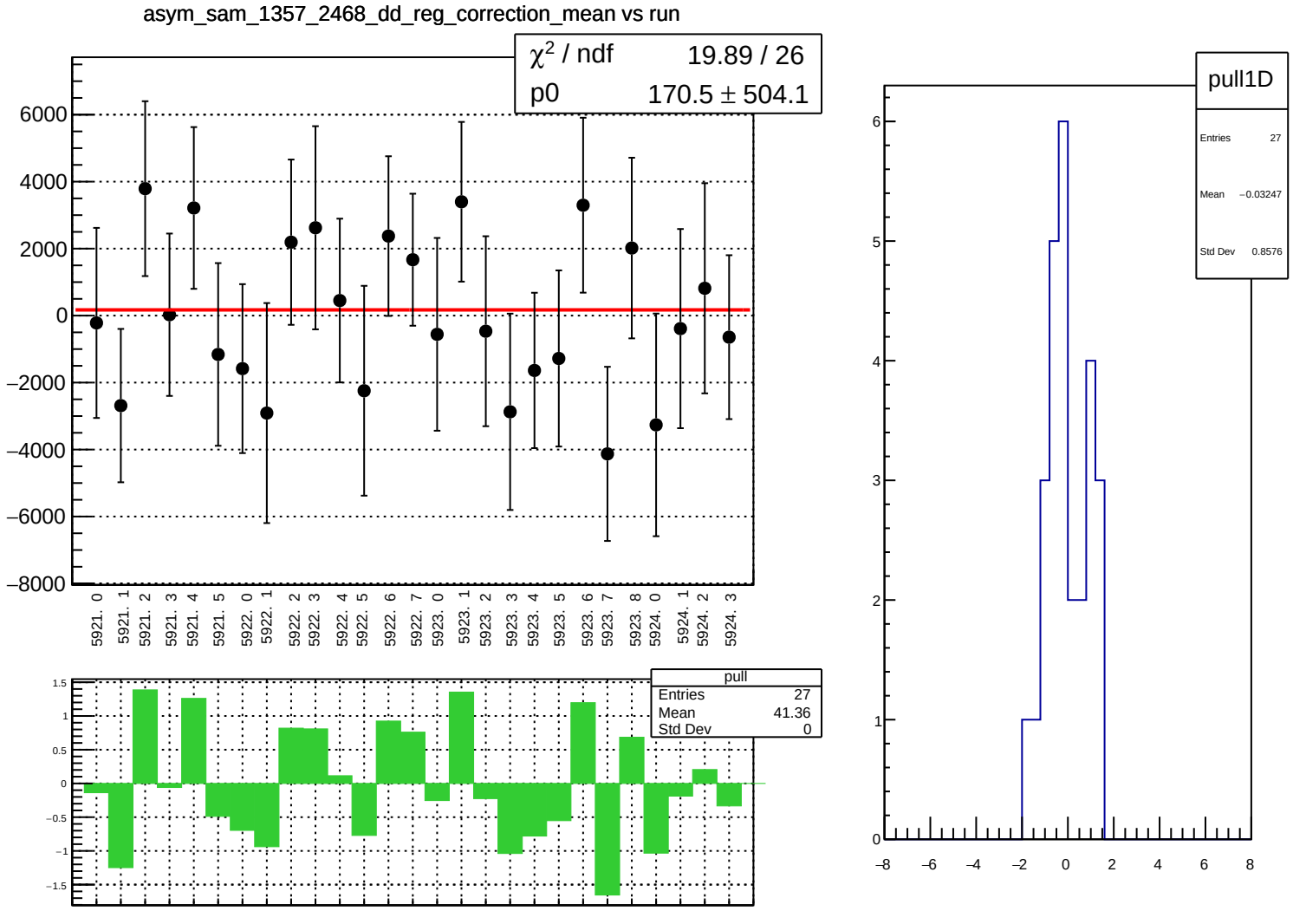

asym_sam_2468_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 25.75 / 26
p0 −3.724e−14 ± 9.194e−14
5
4
3
2
1
0
−1
−2
−3
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 64.55
Std Dev 0
3
2
1
0
−1
−2

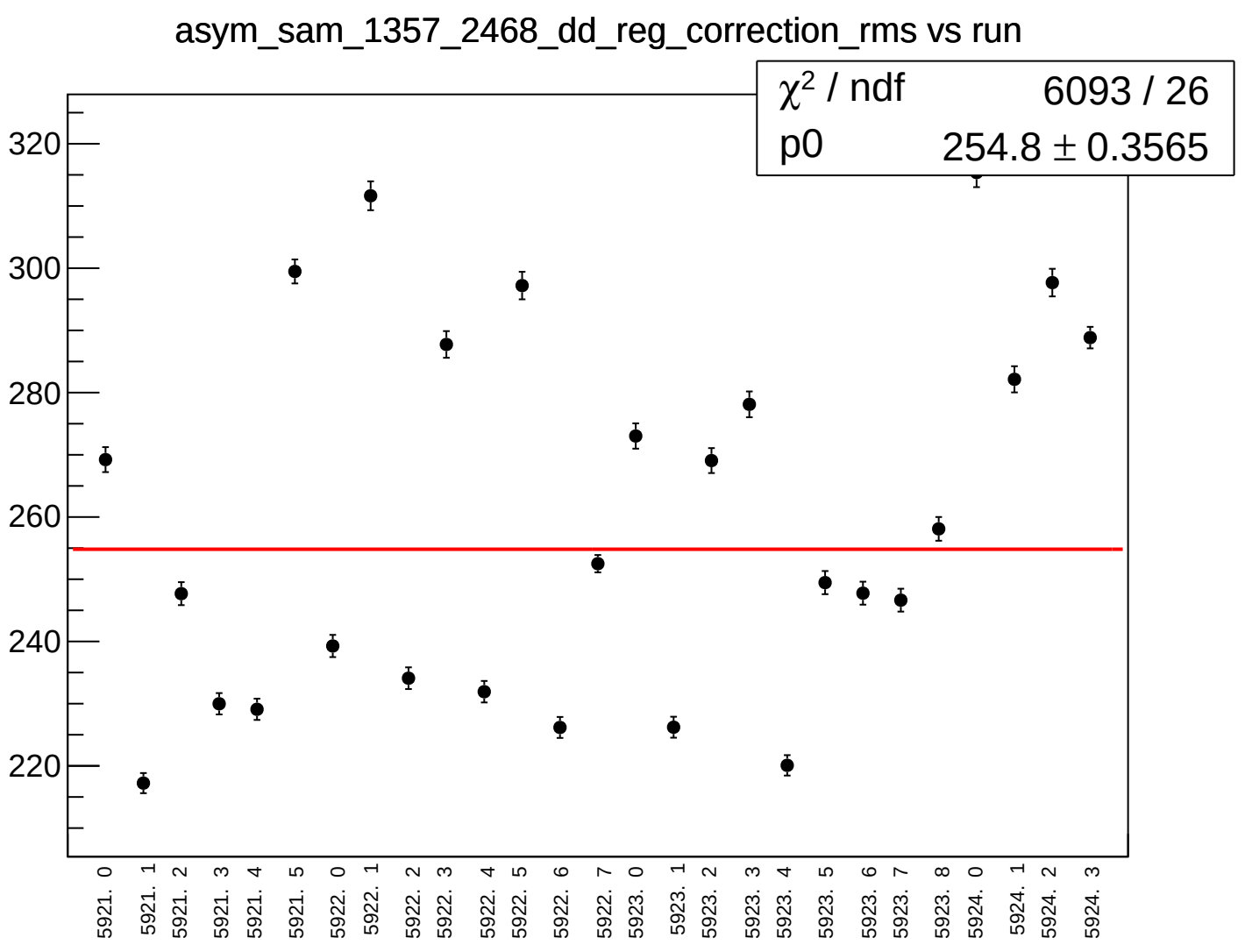

pull1D
Entries 27
Mean 0.0103
Std Dev 0.9766
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

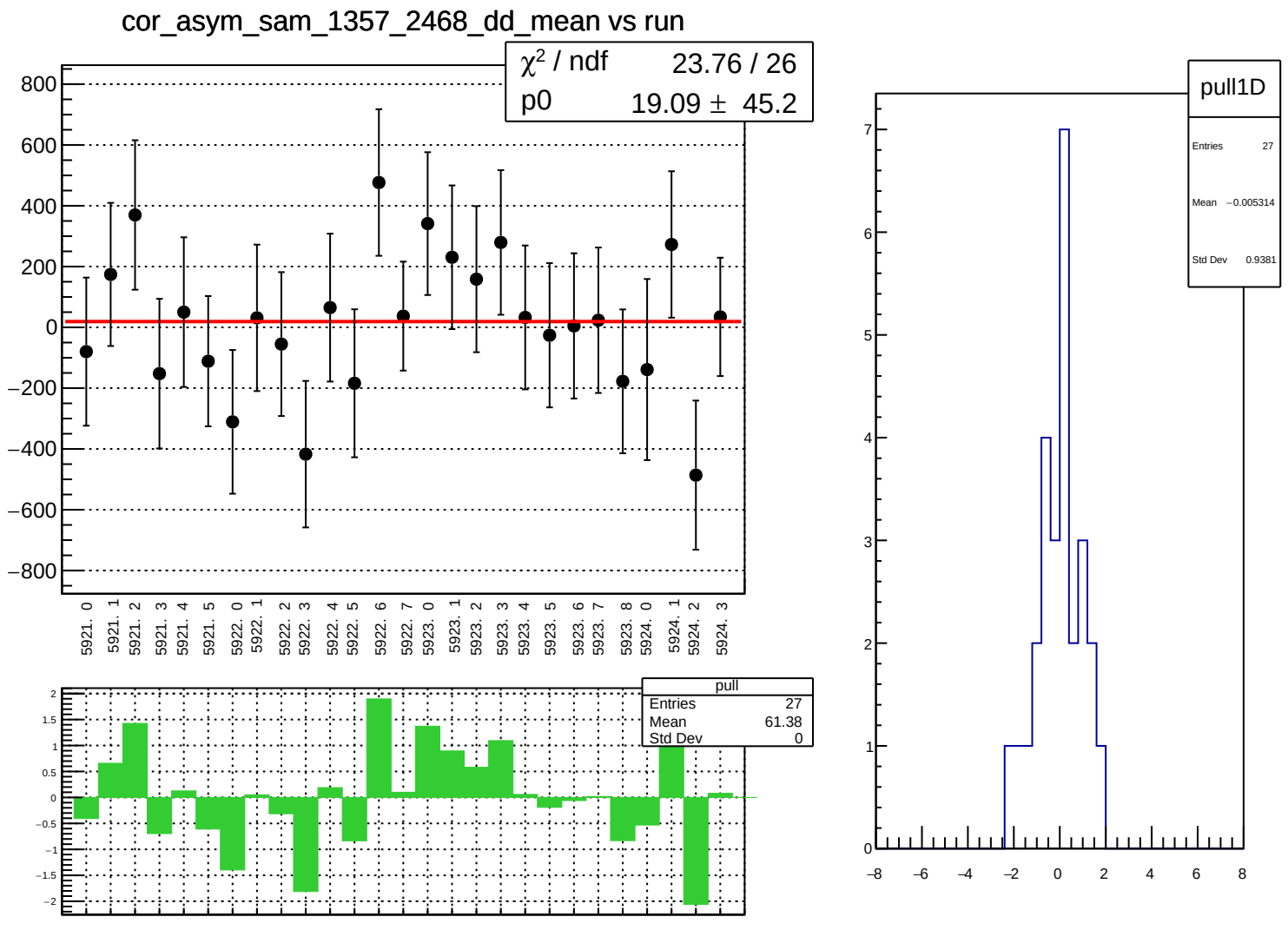

asym_sam_2468_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 8.411e+04 / 26
p0 4.278e−11 ± 6.501e−14
0.12
0.1
0.08
0.06
0.04
0.02
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

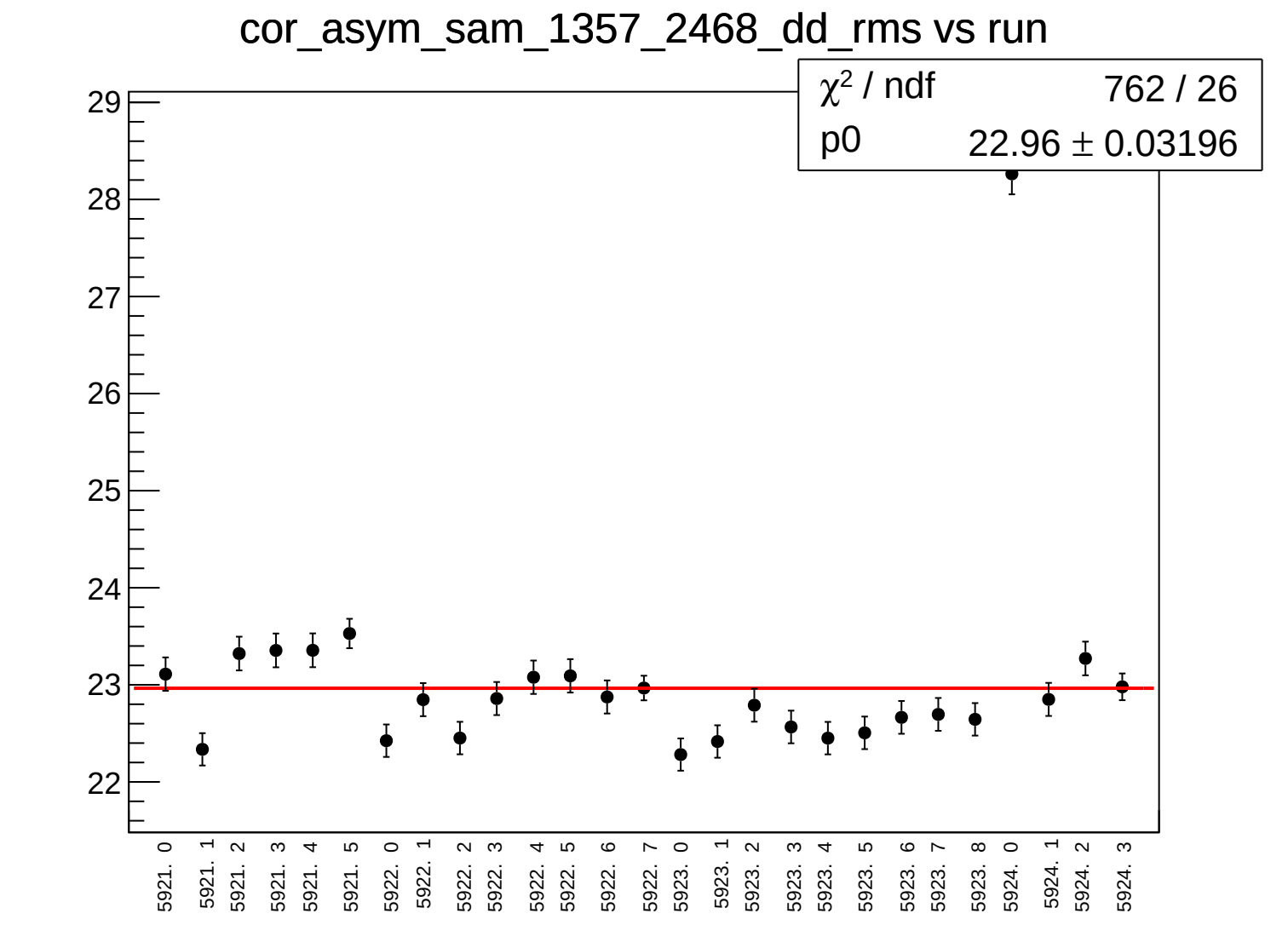

reg_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 23.76 / 26
p0 19.1± 45.2
800
600
400
200
0
−200
−400
−600
−800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 61.39
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.005313
Std Dev 0.9381
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

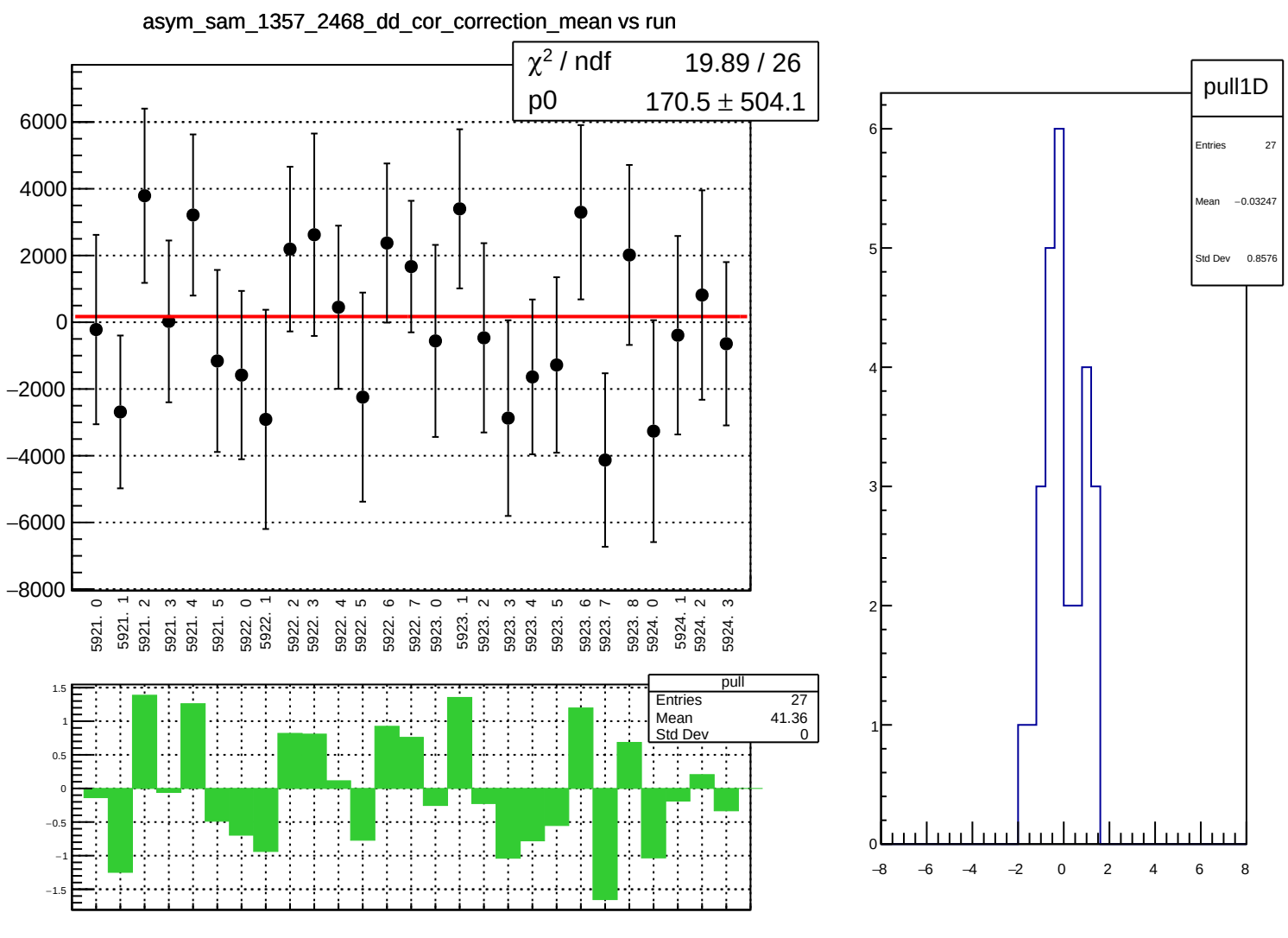

reg_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 762 / 26
p0 22.96 ± 0.03196
29
28
27
26
25
24
23
22
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

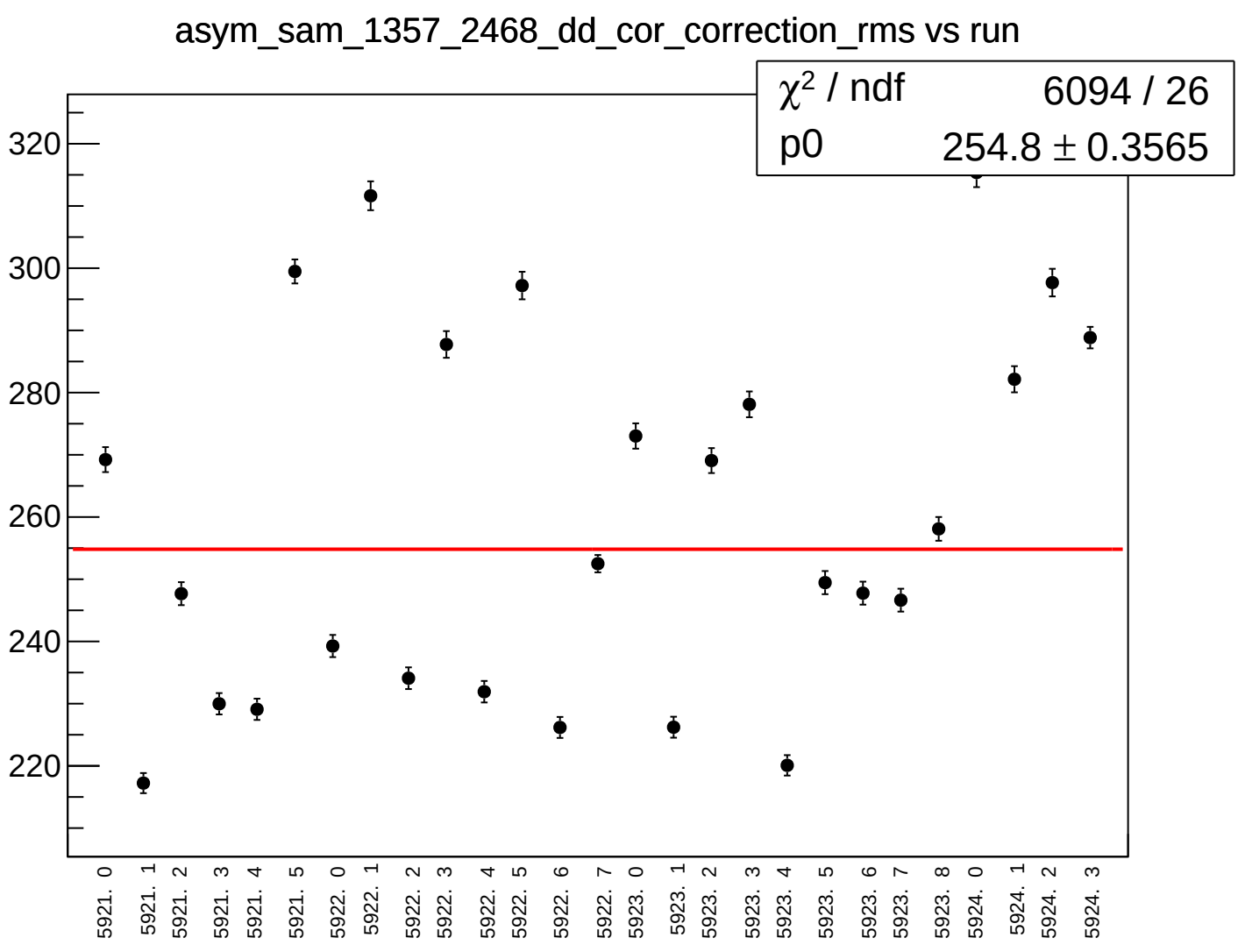

asym_sam_1357_2468_dd_reg_correction_mean vs run
χ² / ndf 19.89 / 26
p0 170.5 ± 504.1
6000
4000
2000
0
−2000
−4000
−6000
−8000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 41.36
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.03247
Std Dev 0.8576
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

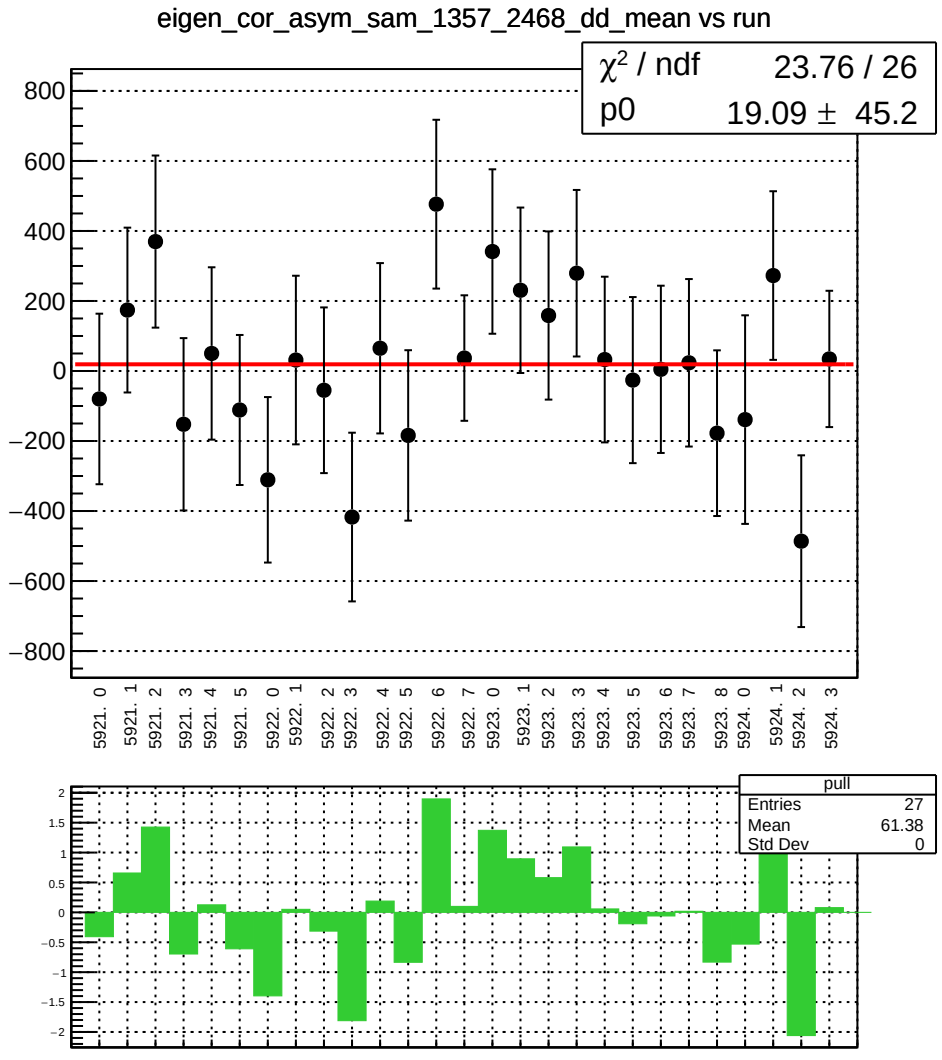

asym_sam_1357_2468_dd_reg_correction_rms vs run
χ² / ndf 6093 / 26
p0 254.8 ± 0.3565
320
300
280
260
240
220
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

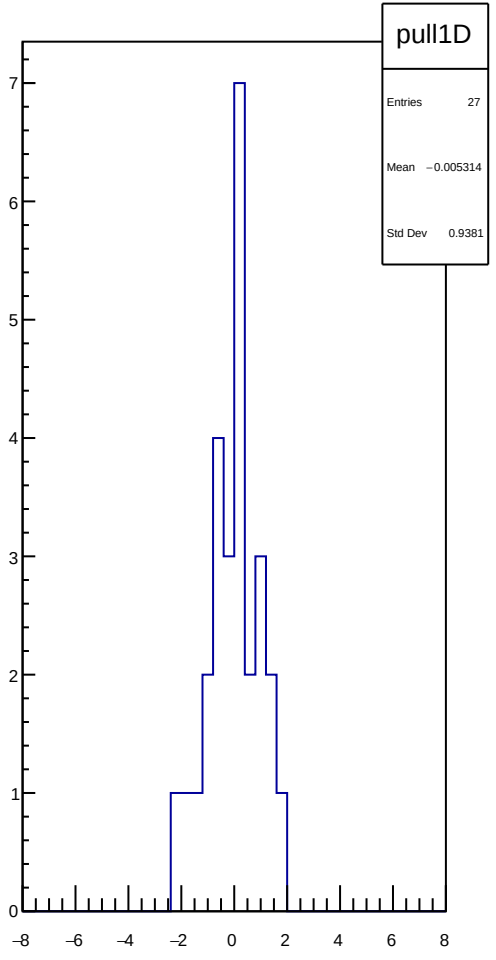

cor_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 23.76 / 26
p0 19.09 ± 45.2
800
600
400
200
0
−200
−400
−600
−800
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 61.38
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.005314
Std Dev 0.9381
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

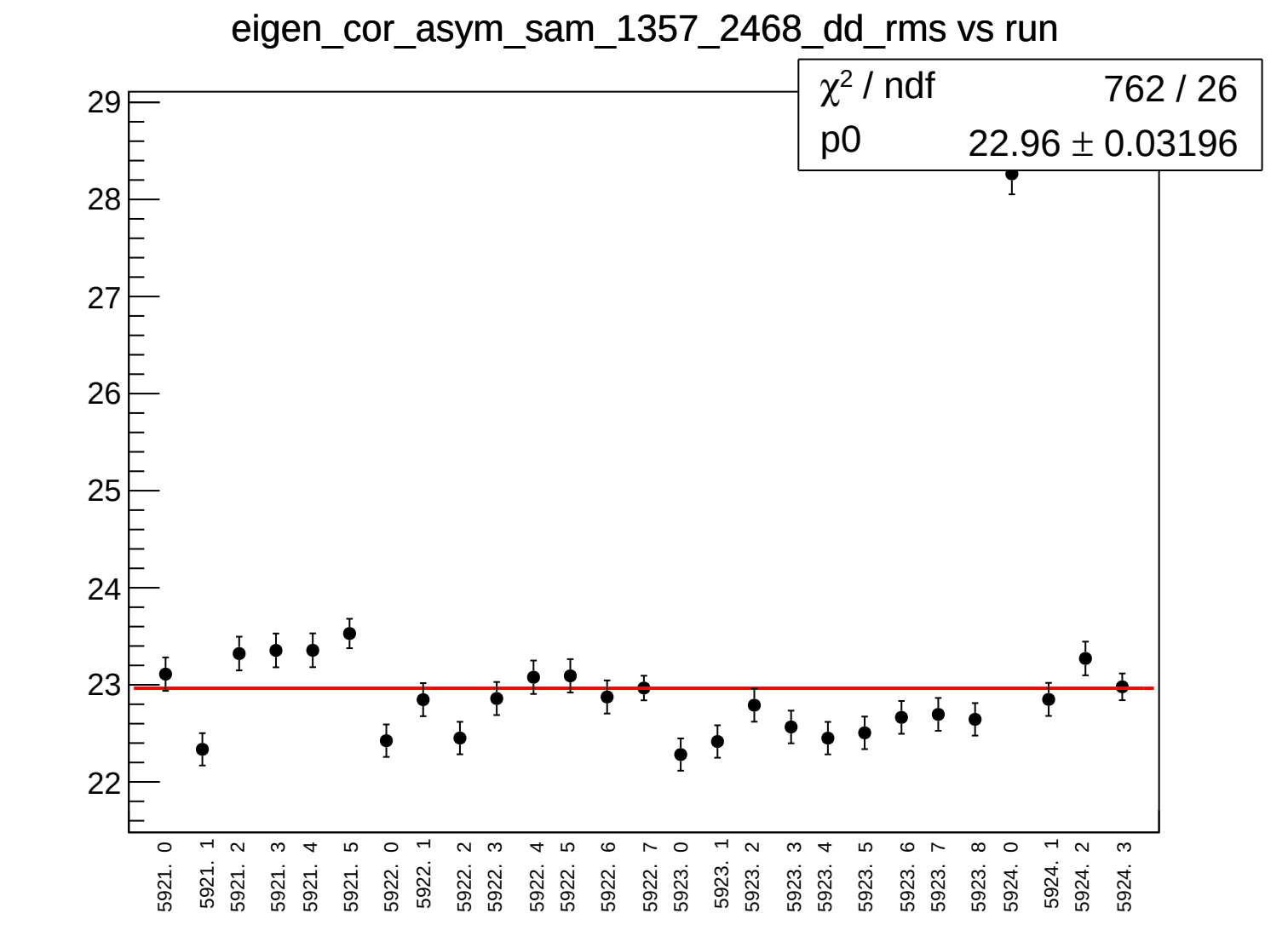

cor_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 762 / 26
p0 22.96 ± 0.03196
29
28
27
26
25
24
23
22
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

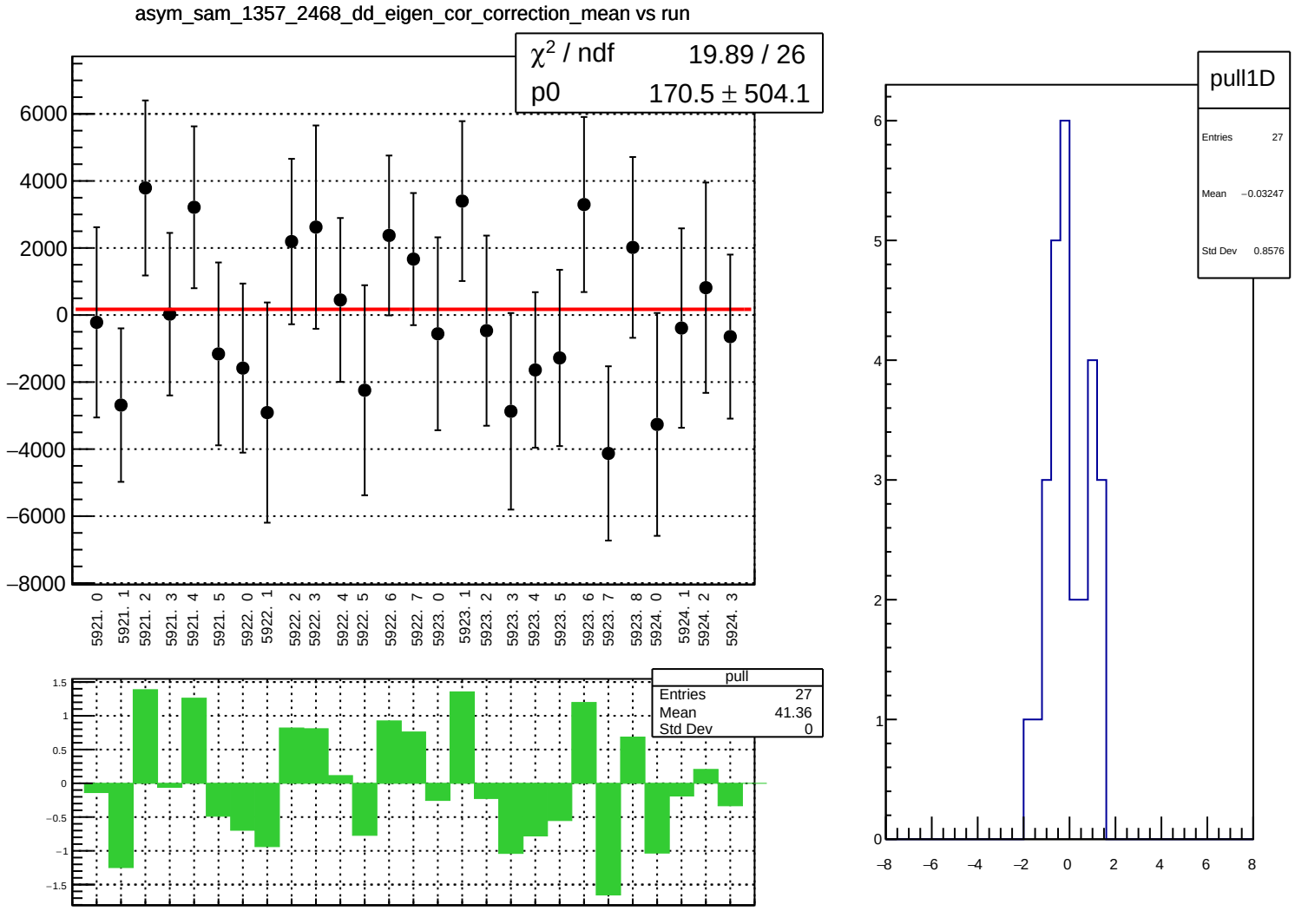

asym_sam_1357_2468_dd_cor_correction_mean vs run
χ² / ndf 19.89 / 26
p0 170.5 ± 504.1
6000
4000
2000
0
−2000
−4000
−6000
−8000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 41.36
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.03247
Std Dev 0.8576
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

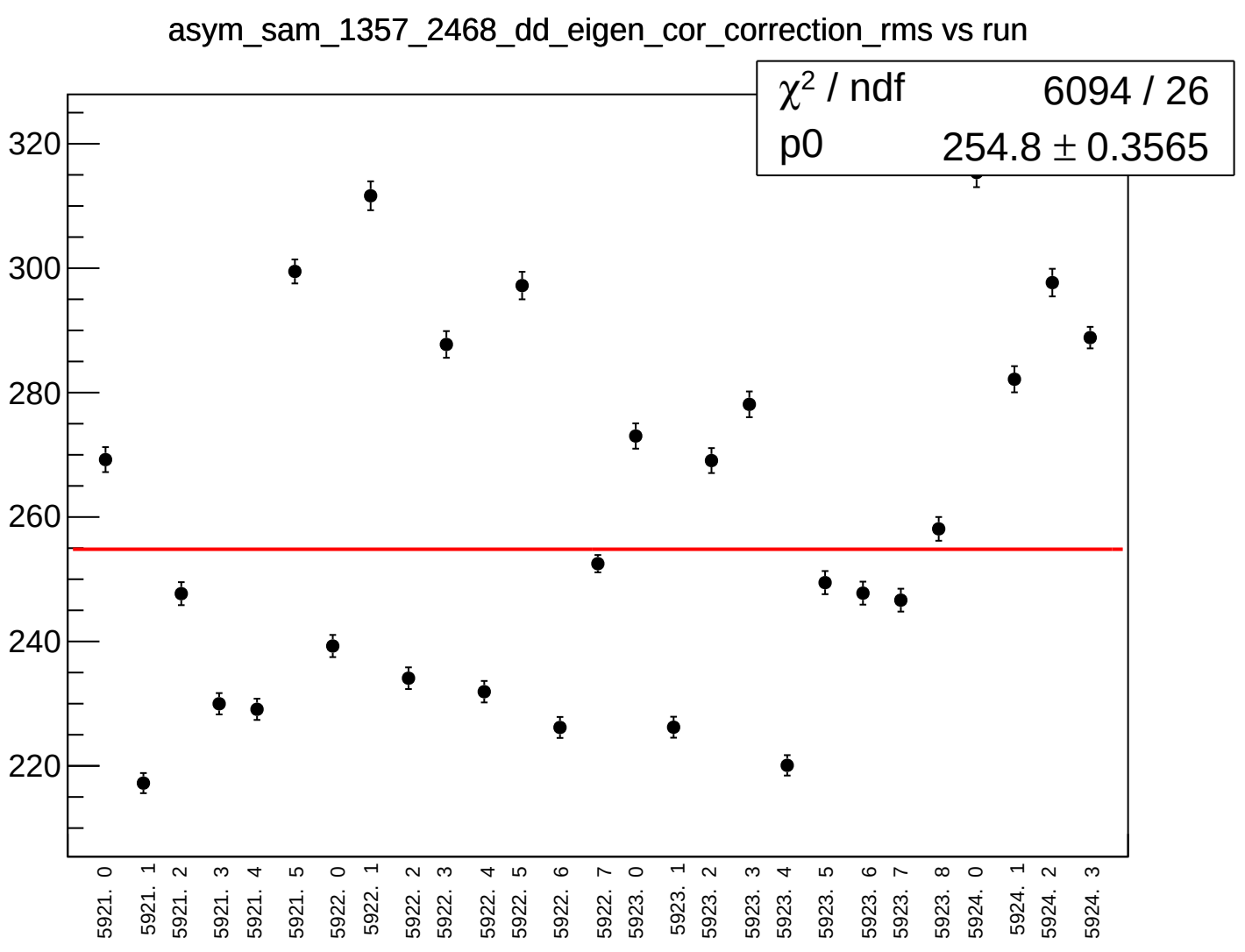

asym_sam_1357_2468_dd_cor_correction_rms vs run
χ² / ndf 6094 / 26
p0 254.8 ± 0.3565
320
300
280
260
240
220
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

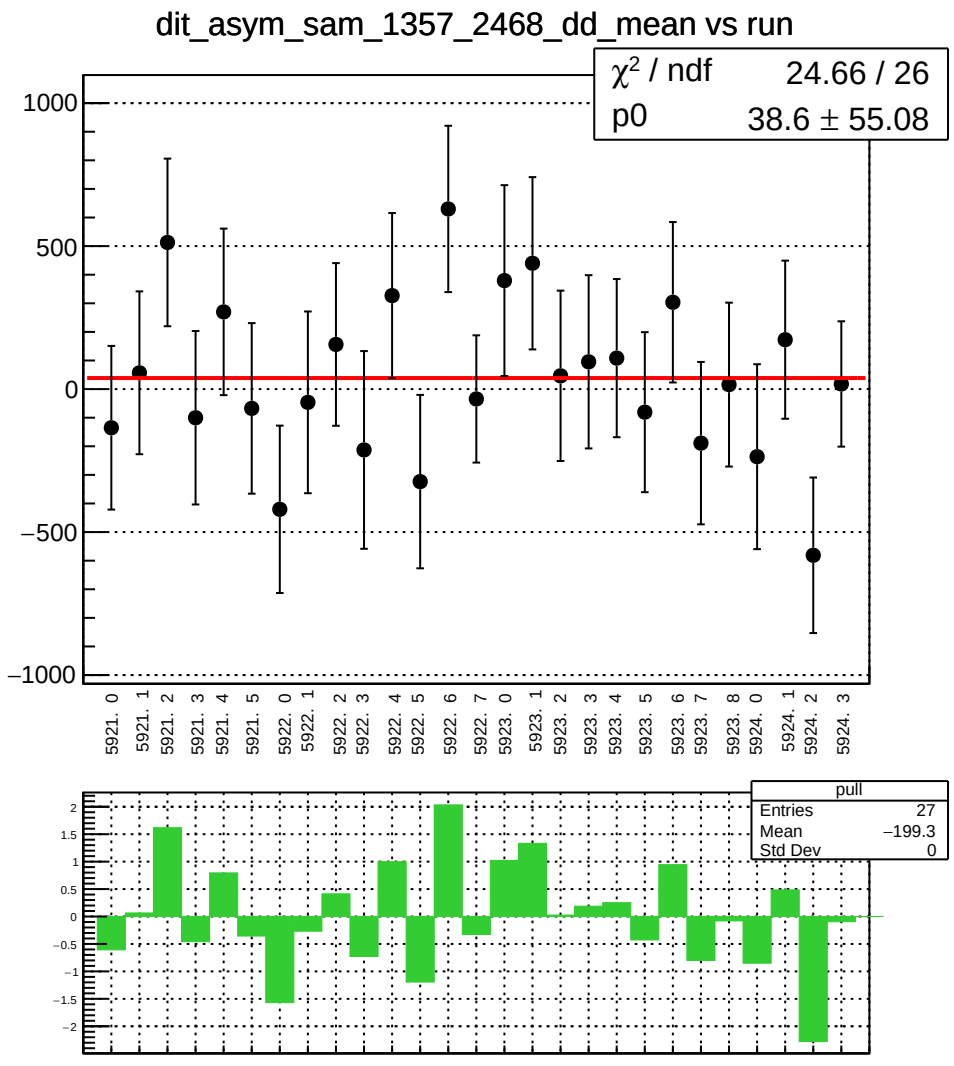

eigen_cor_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 23.76 / 26
p0 19.09 ± 45.2
pull
Entries 27
Mean 61.38
Std Dev 0

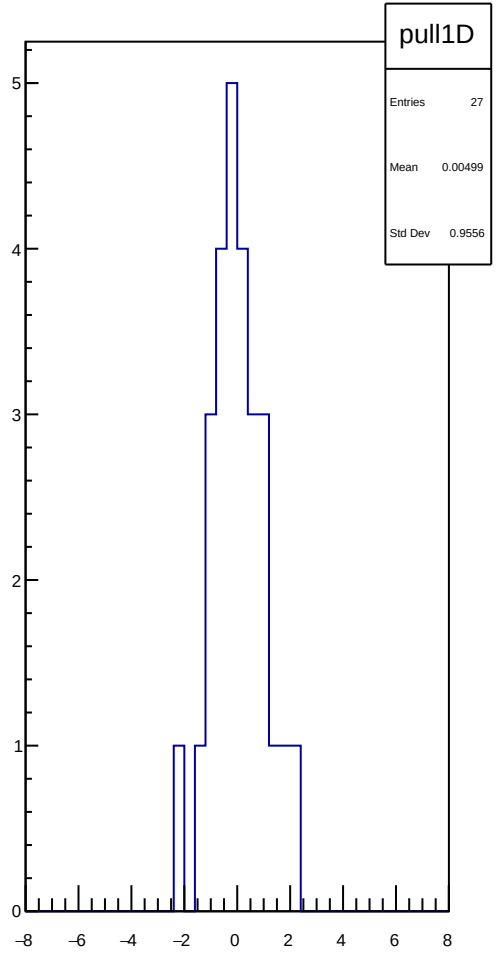

pull1D
Entries 27
Mean −0.005314
Std Dev 0.9381

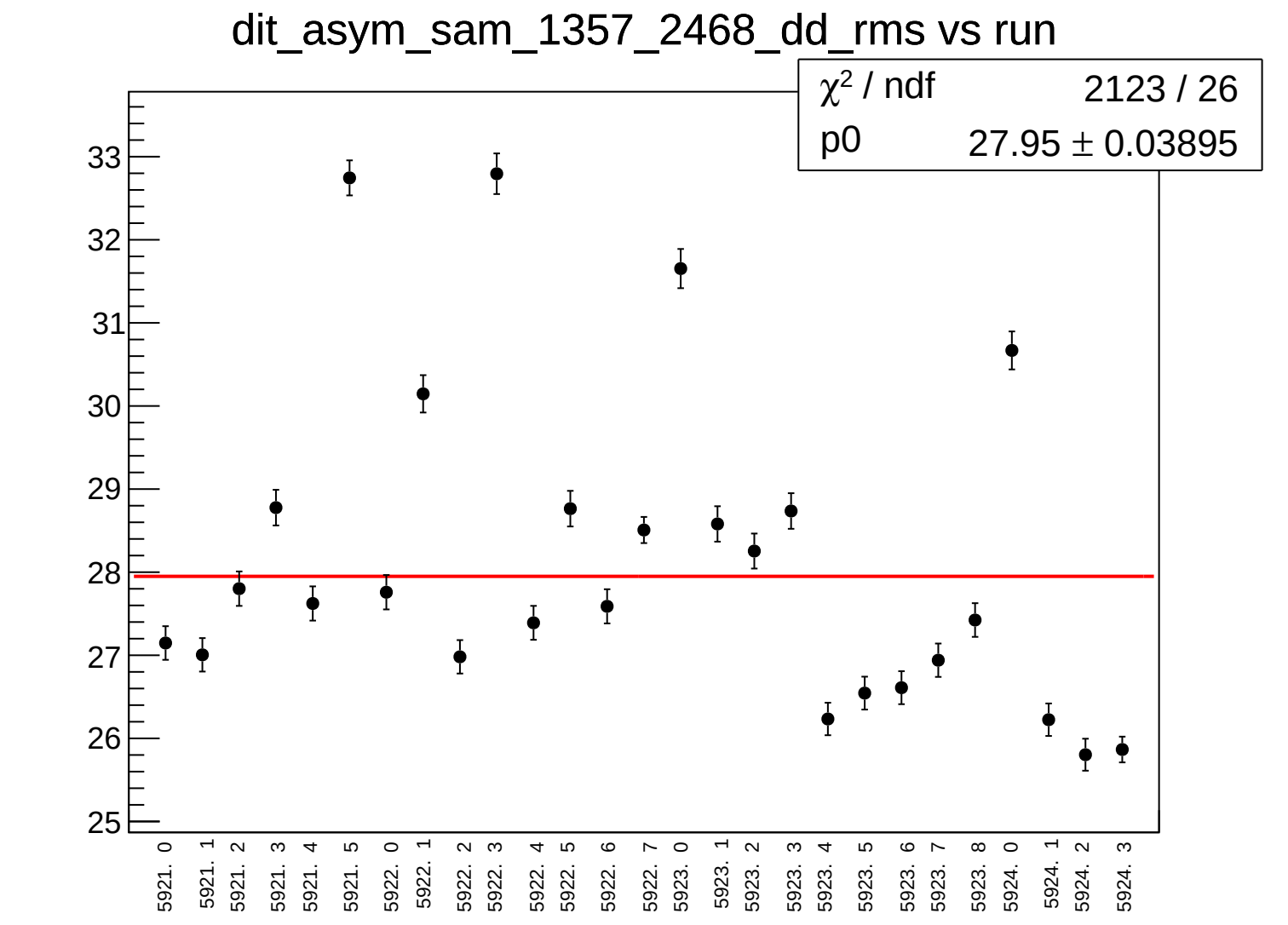

eigen_cor_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 762 / 26
p0 22.96 ± 0.03196
29
28
27
26
25
24
23
22
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

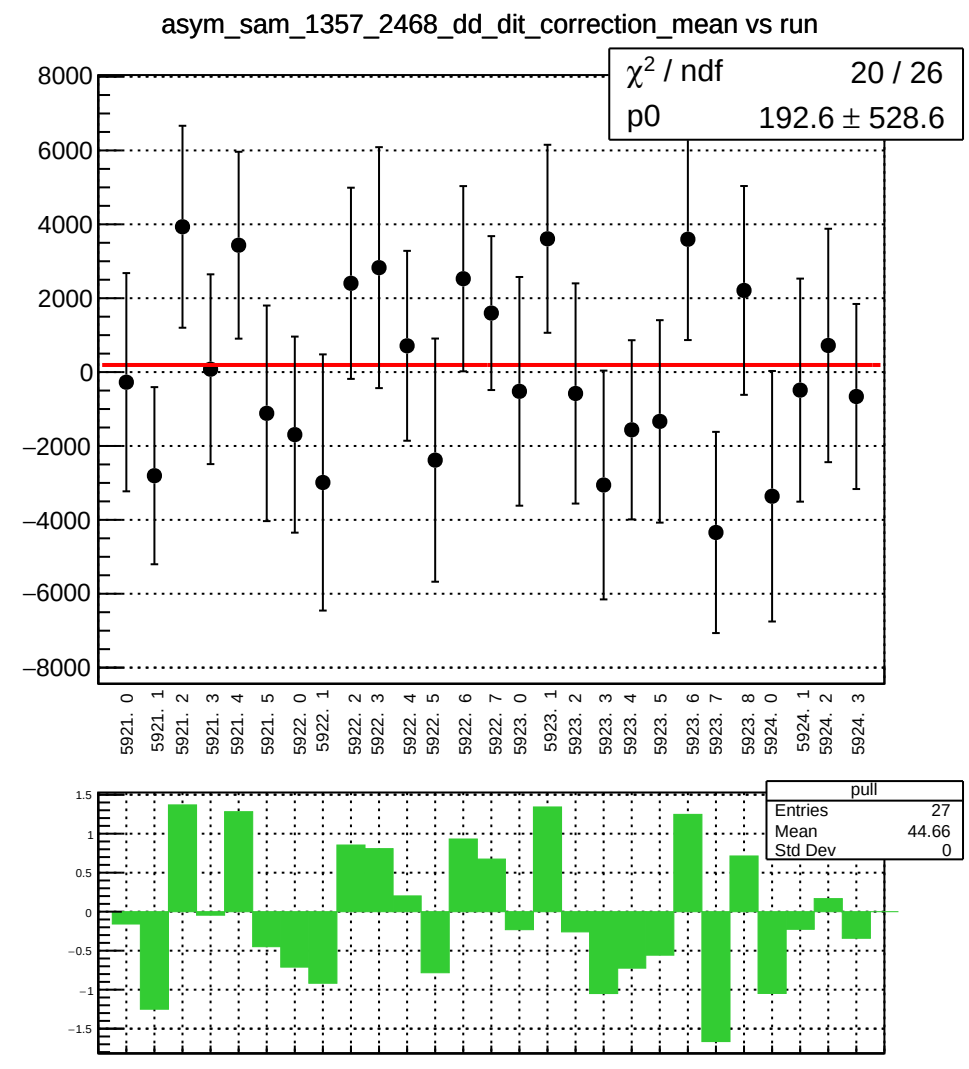

asym_sam_1357_2468_dd_eigen_cor_correction_mean vs run
χ² / ndf 19.89 / 26
p0 170.5 ± 504.1
6000
4000
2000
0
−2000
−4000
−6000
−8000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 41.36
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.03247
Std Dev 0.8576
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

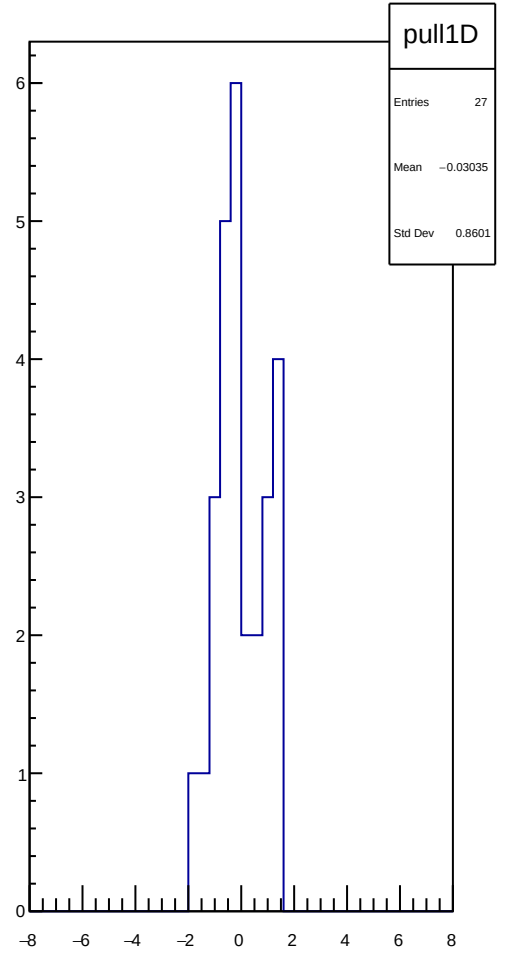

asym_sam_1357_2468_dd_eigen_cor_correction_rms vs run
χ² / ndf 6094 / 26
p0 254.8 ± 0.3565
320
300
280
260
240
220
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

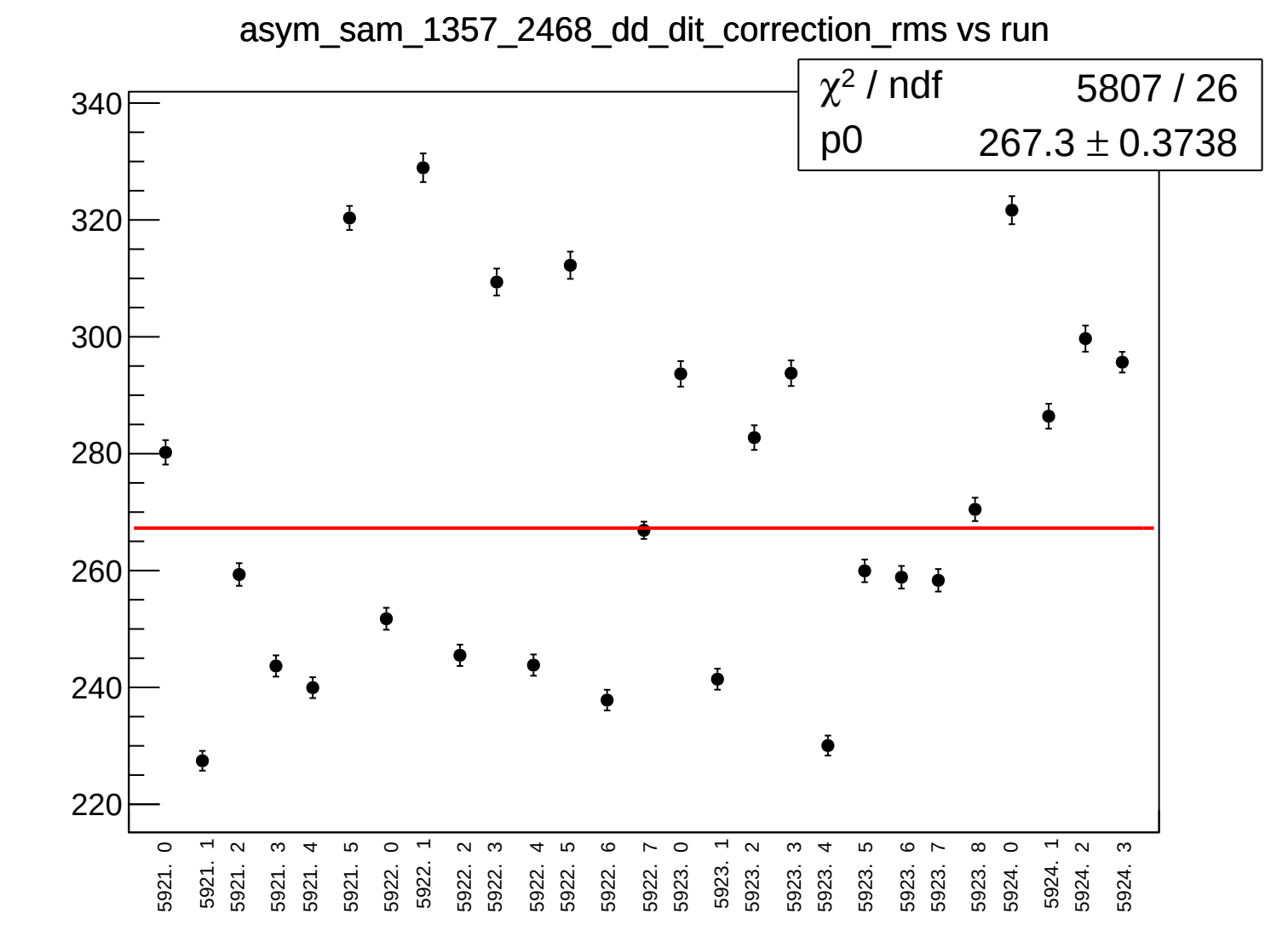

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 24.66 / 26
p0 38.6 ± 55.08
1000
500
0
−500
−1000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −199.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

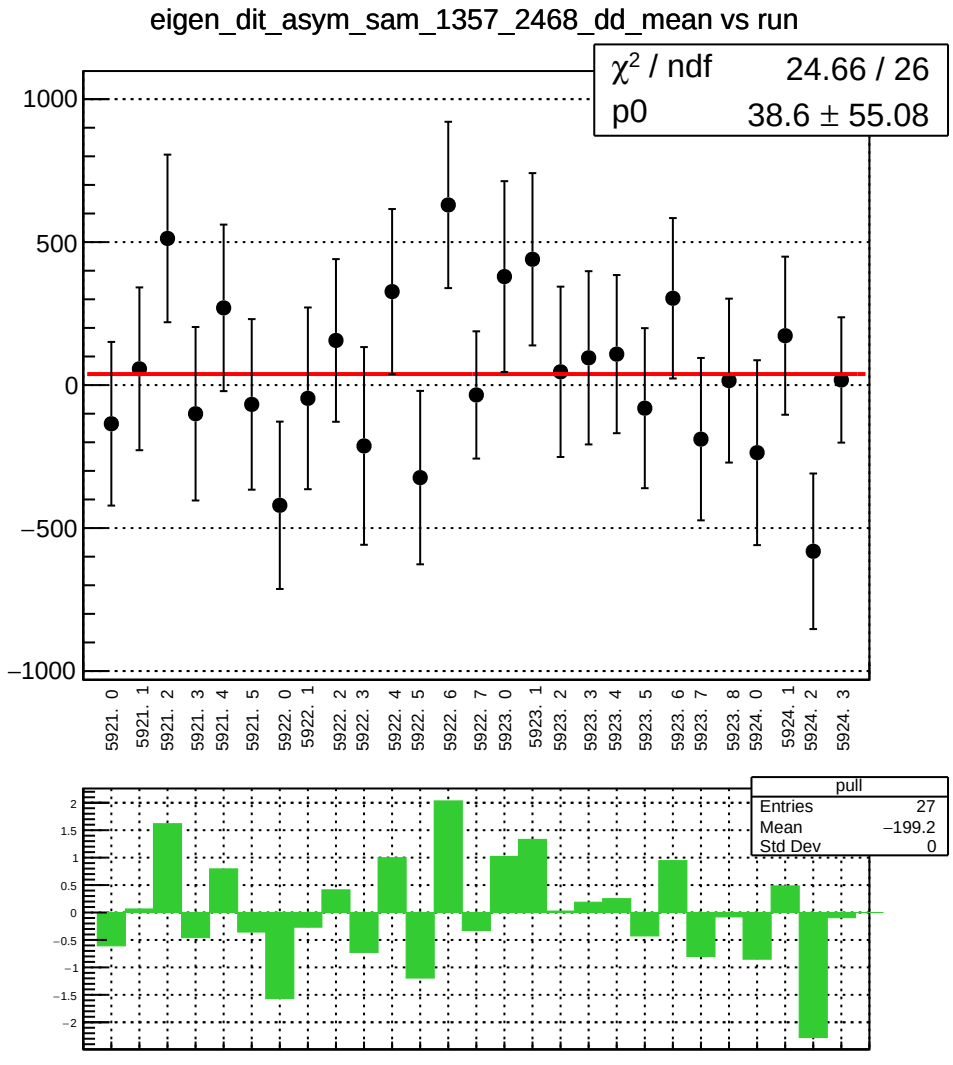

pull1D
Entries 27
Mean 0.00499
Std Dev 0.9556
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

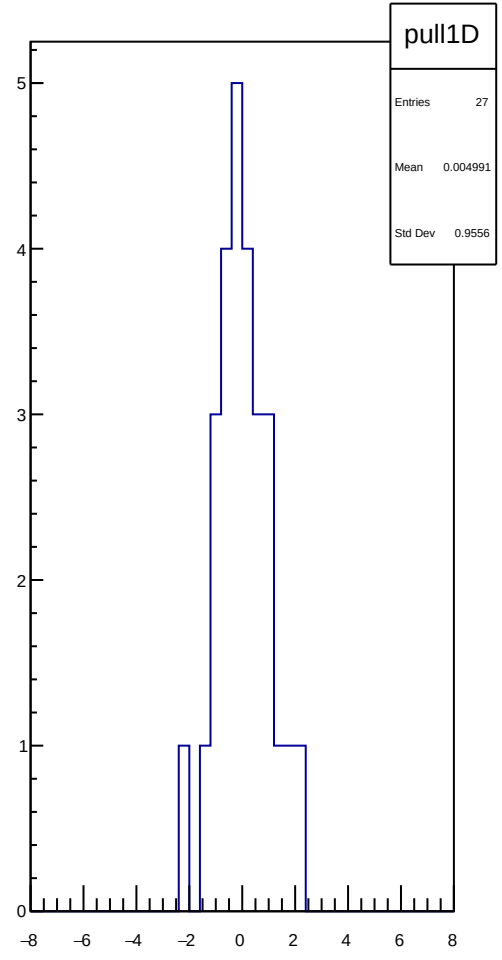

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 2123 / 26
p0 27.95 ± 0.03895
33
32
31
30
29
28
27
26
25
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

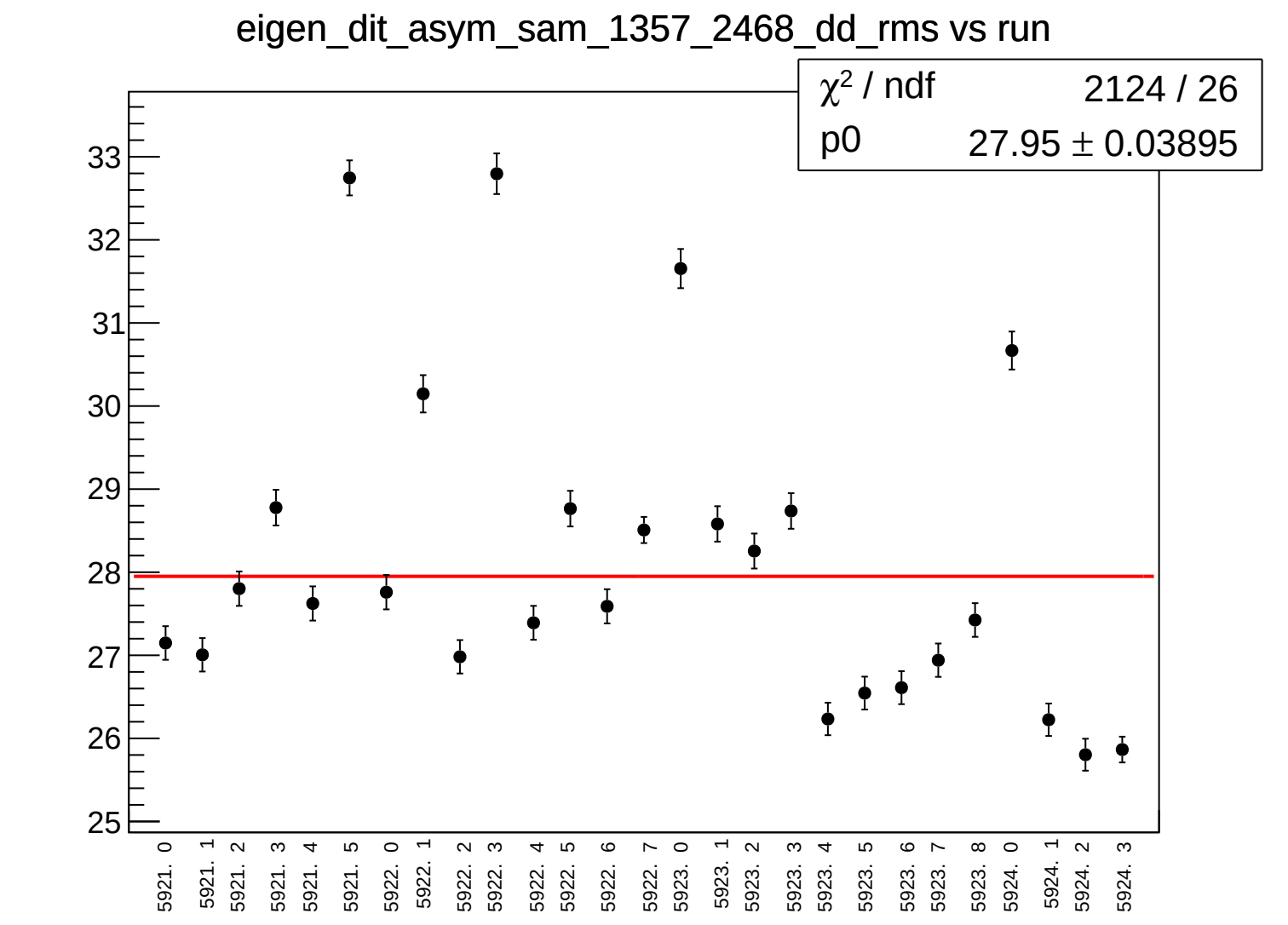

asym_sam_1357_2468_dd_dit_correction_mean vs run
χ² / ndf 20 / 26
p0 192.6 ± 528.6
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 44.66
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

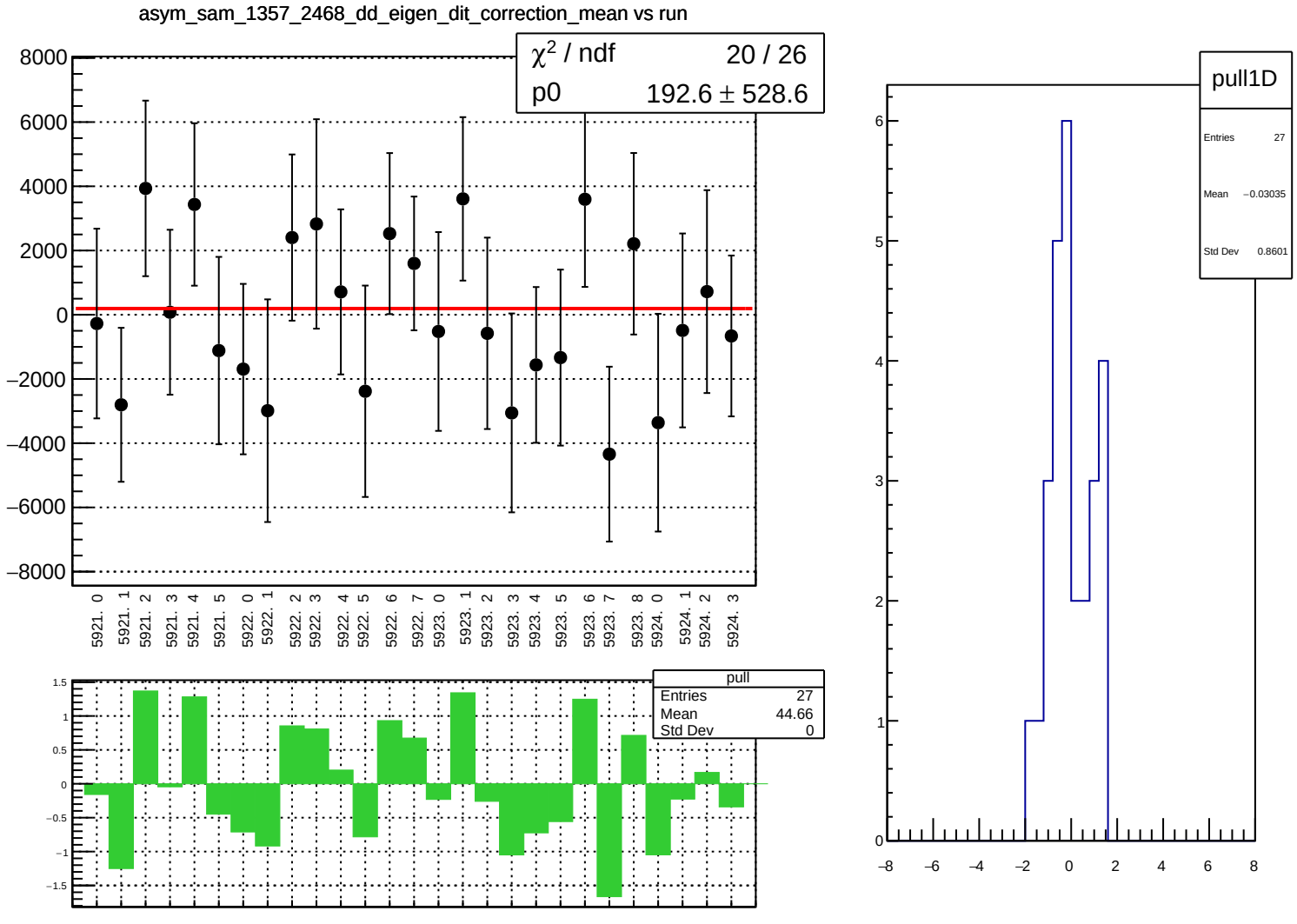

pull1D
Entries 27
Mean −0.03035
Std Dev 0.8601
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

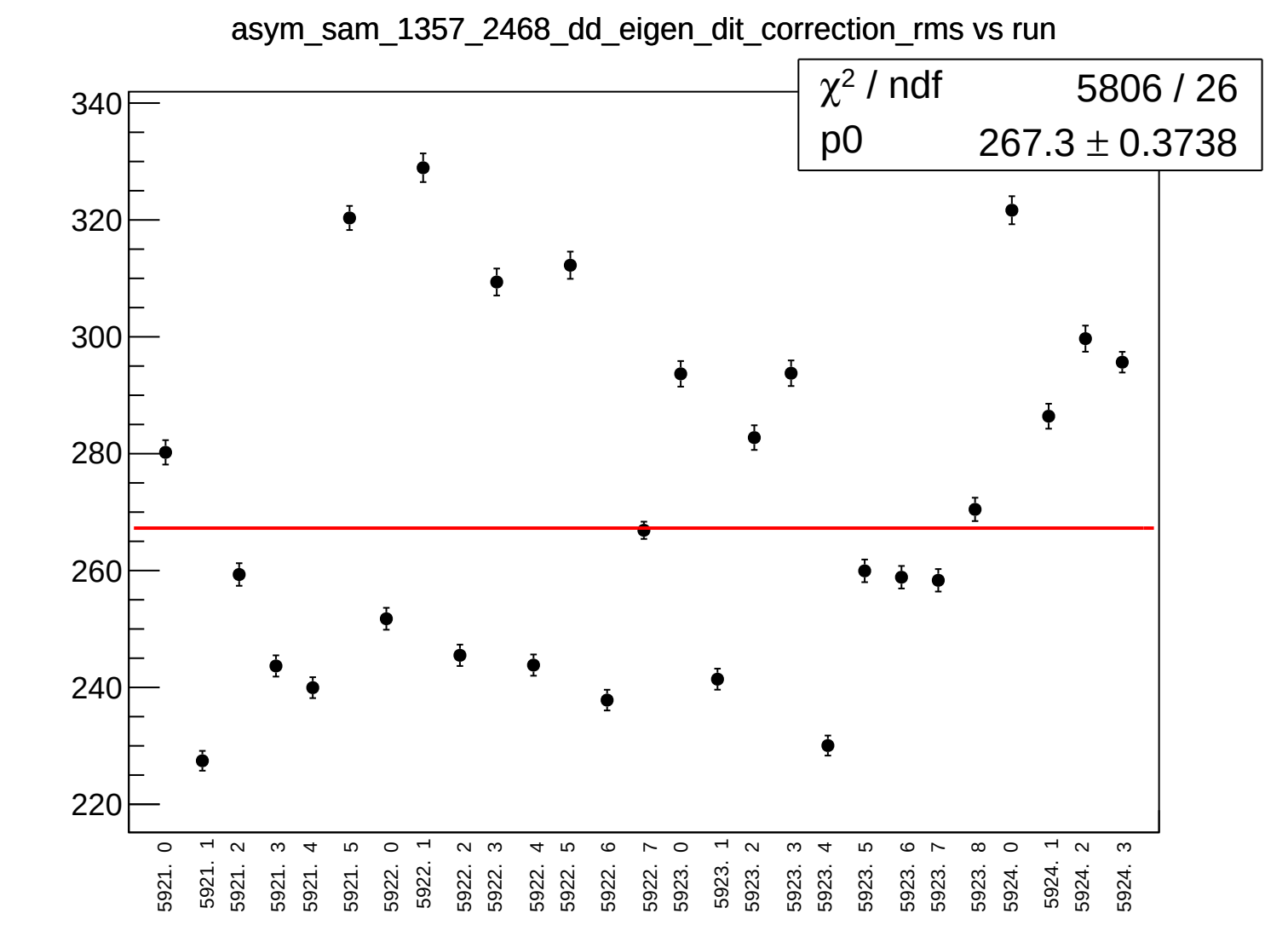

asym_sam_1357_2468_dd_dit_correction_rms vs run
χ² / ndf 5807 / 26
p0 267.3 ± 0.3738
340
320
300
280
260
240
220
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

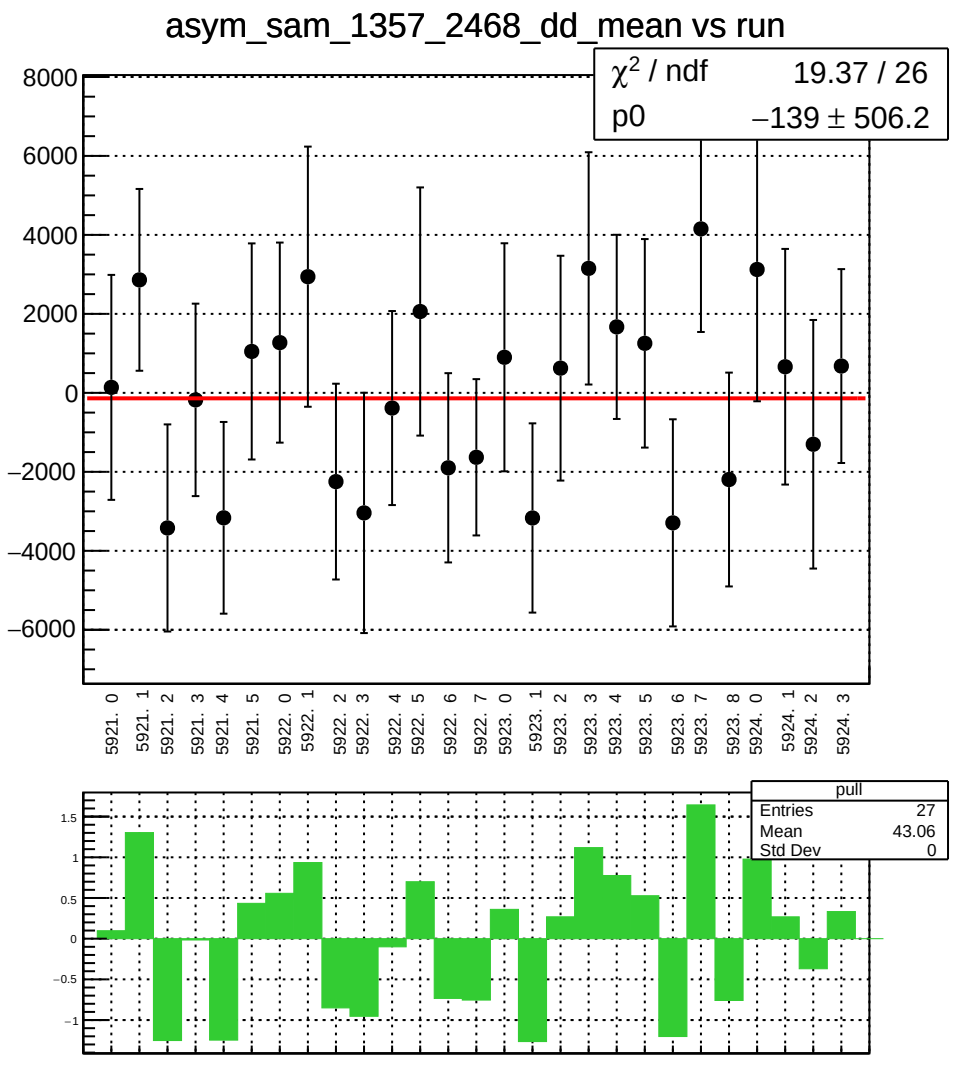

eigen_dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 24.66 / 26
p0 38.6 ± 55.08
1000
500
0
−500
−1000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −199.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

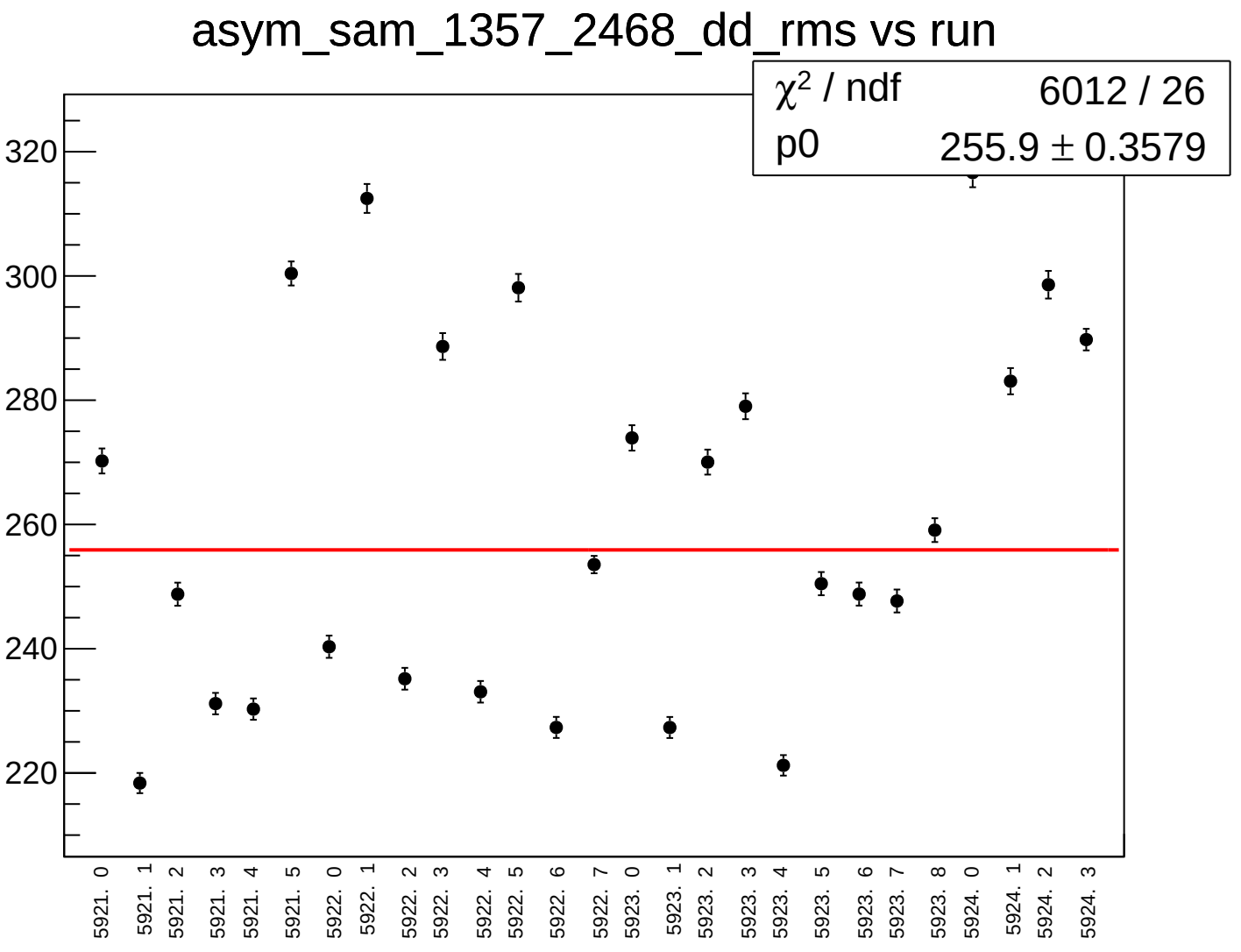

pull1D
Entries 27
Mean 0.004991
Std Dev 0.9556
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

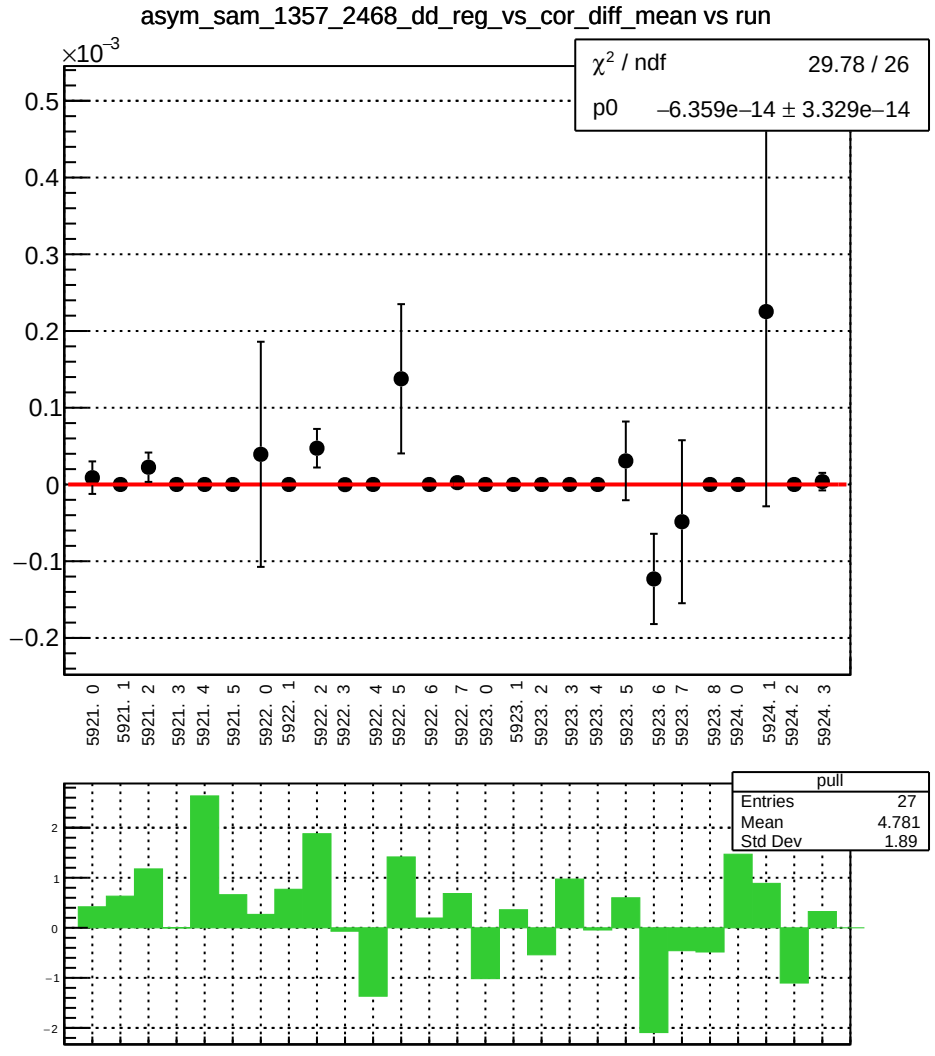

eigen_dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 2124 / 26
p0 27.95 ± 0.03895
33
32
31
30
29
28
27
26
25
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

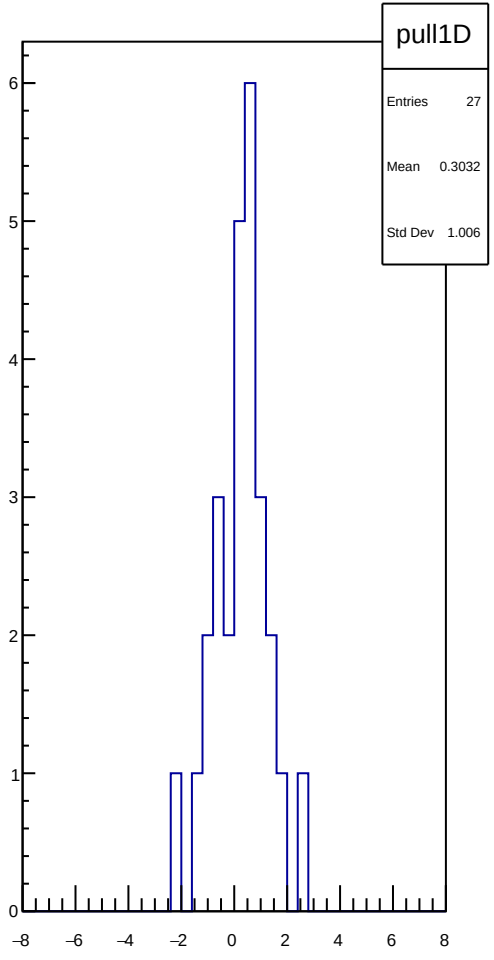

asym_sam_1357_2468_dd_eigen_dit_correction_mean vs run
χ² / ndf 20 / 26
p0 192.6 ± 528.6
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 44.66
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.03035
Std Dev 0.8601
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

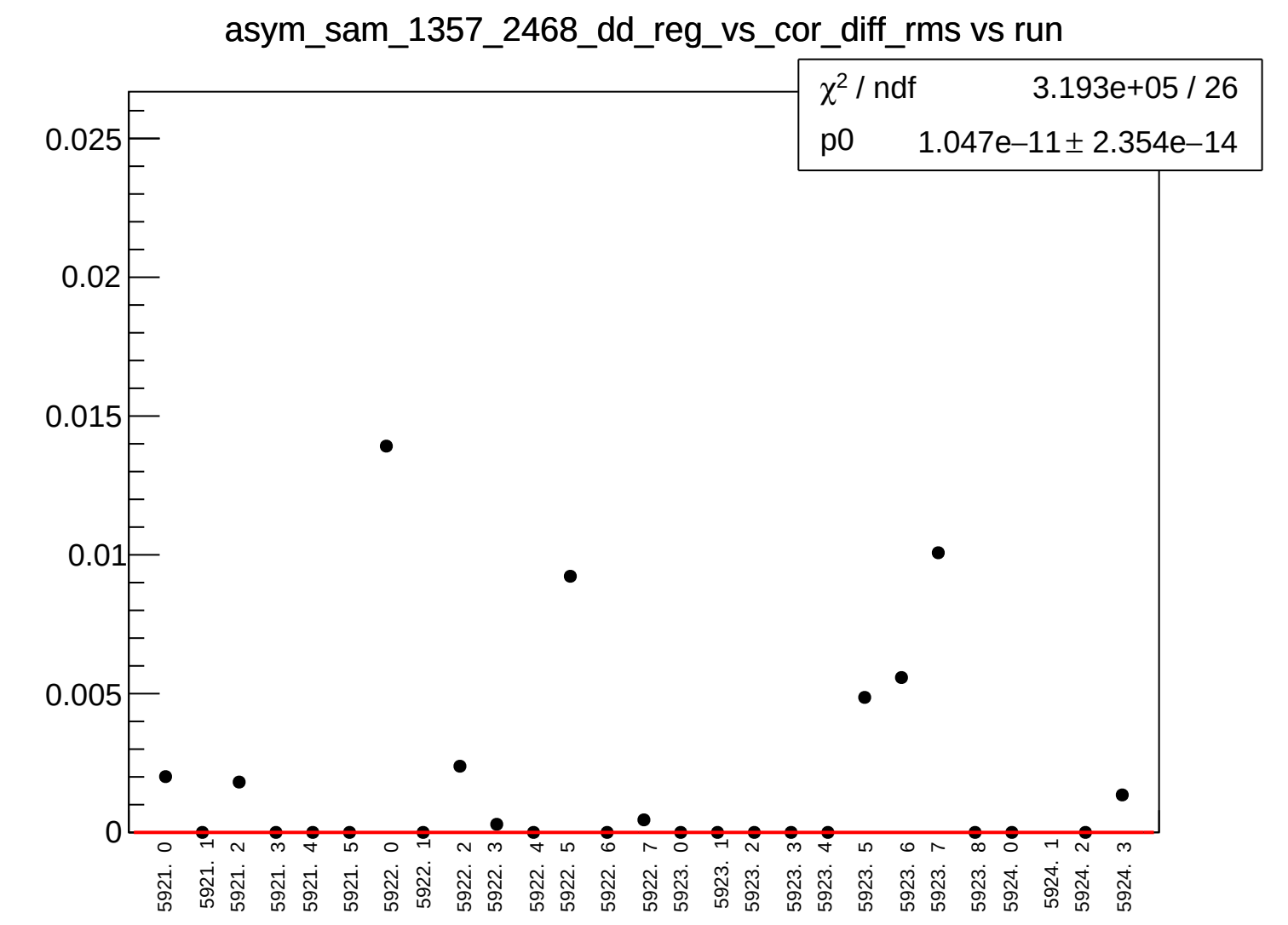

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs run
χ² / ndf 5806 / 26
p0 267.3 ± 0.3738
340
320
300
280
260
240
220
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

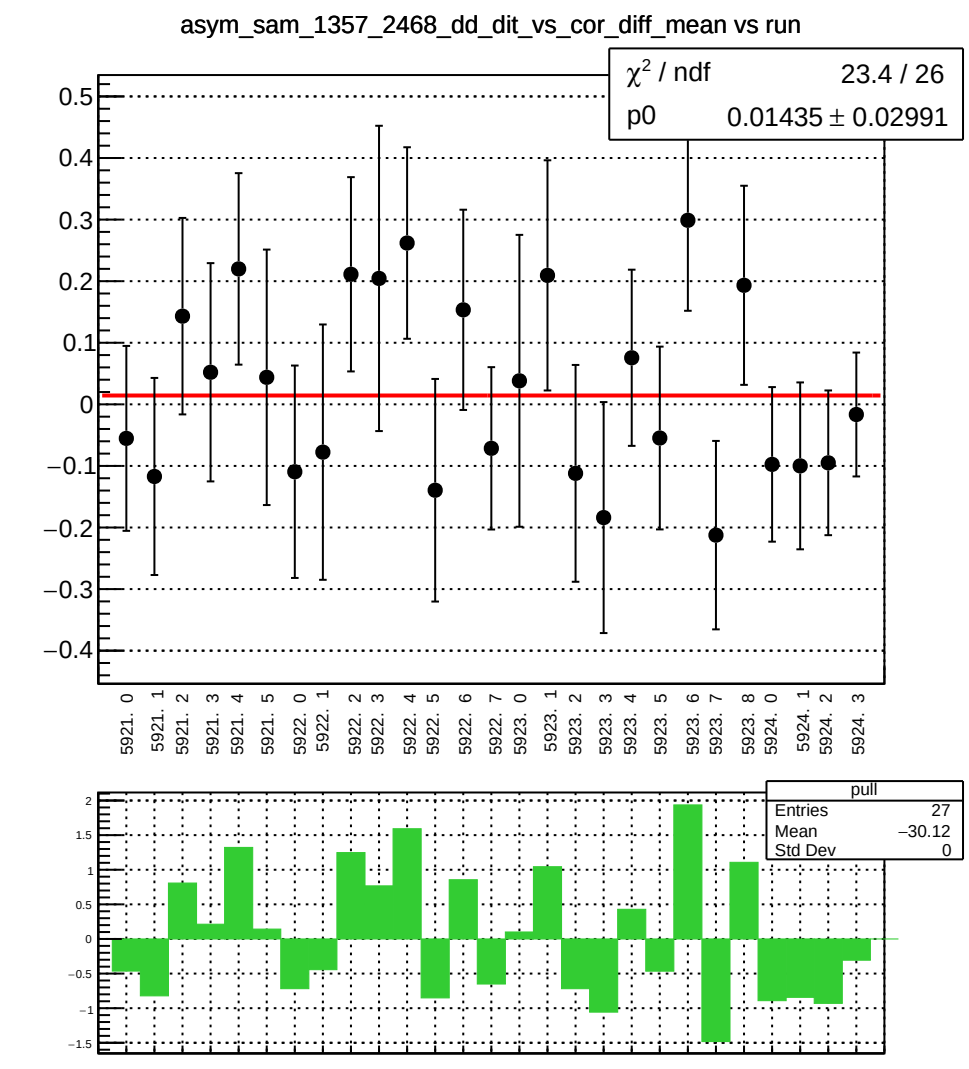

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 19.37 / 26
p0 −139 ± 506.2
8000
6000
4000
2000
0
−2000
−4000
−6000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 43.06
Std Dev 0
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 27
Mean 0.02961
Std Dev 0.8466
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

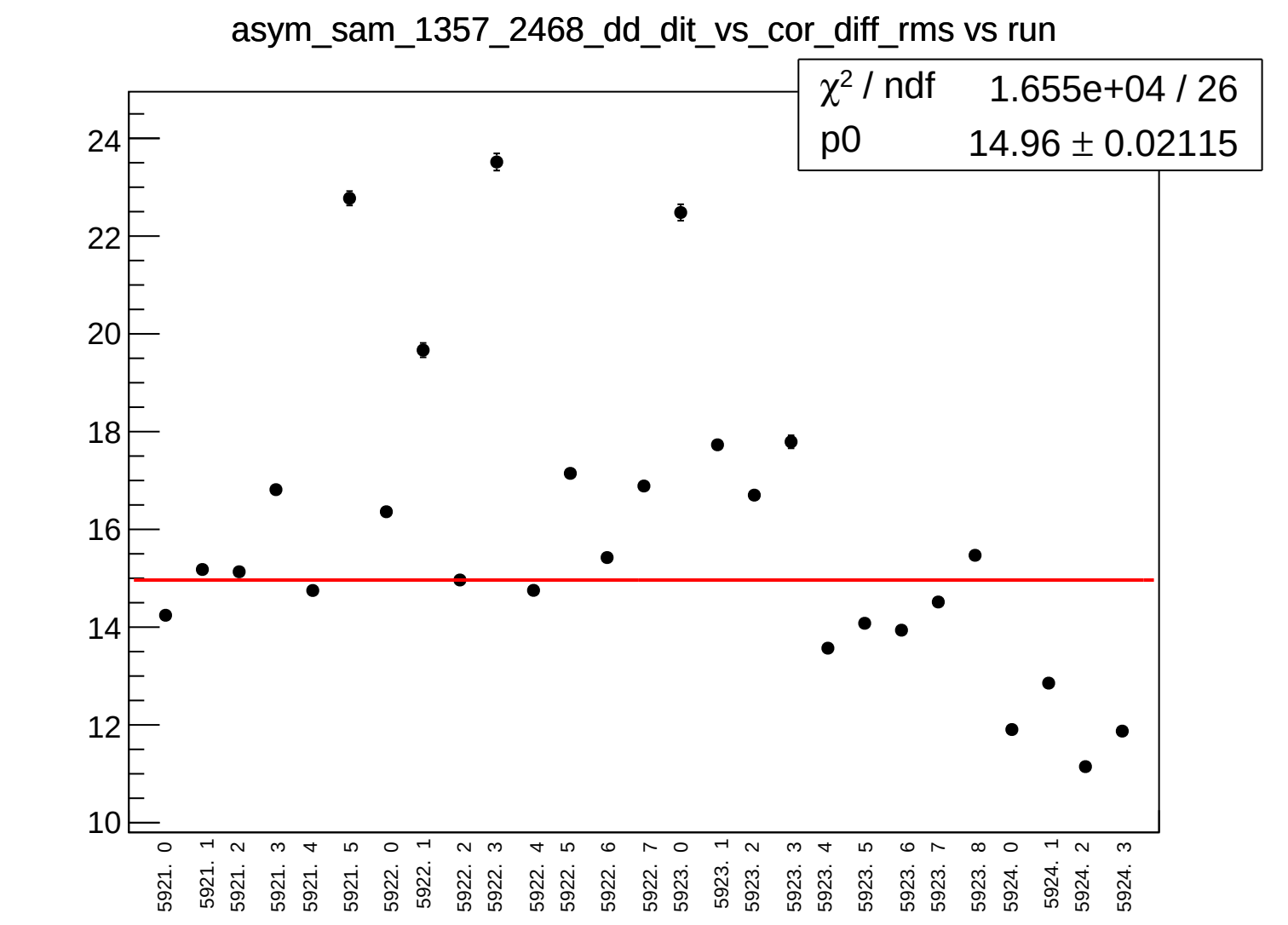

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 6012 / 26
p0 255.9 ± 0.3579
320
300
280
260
240
220
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

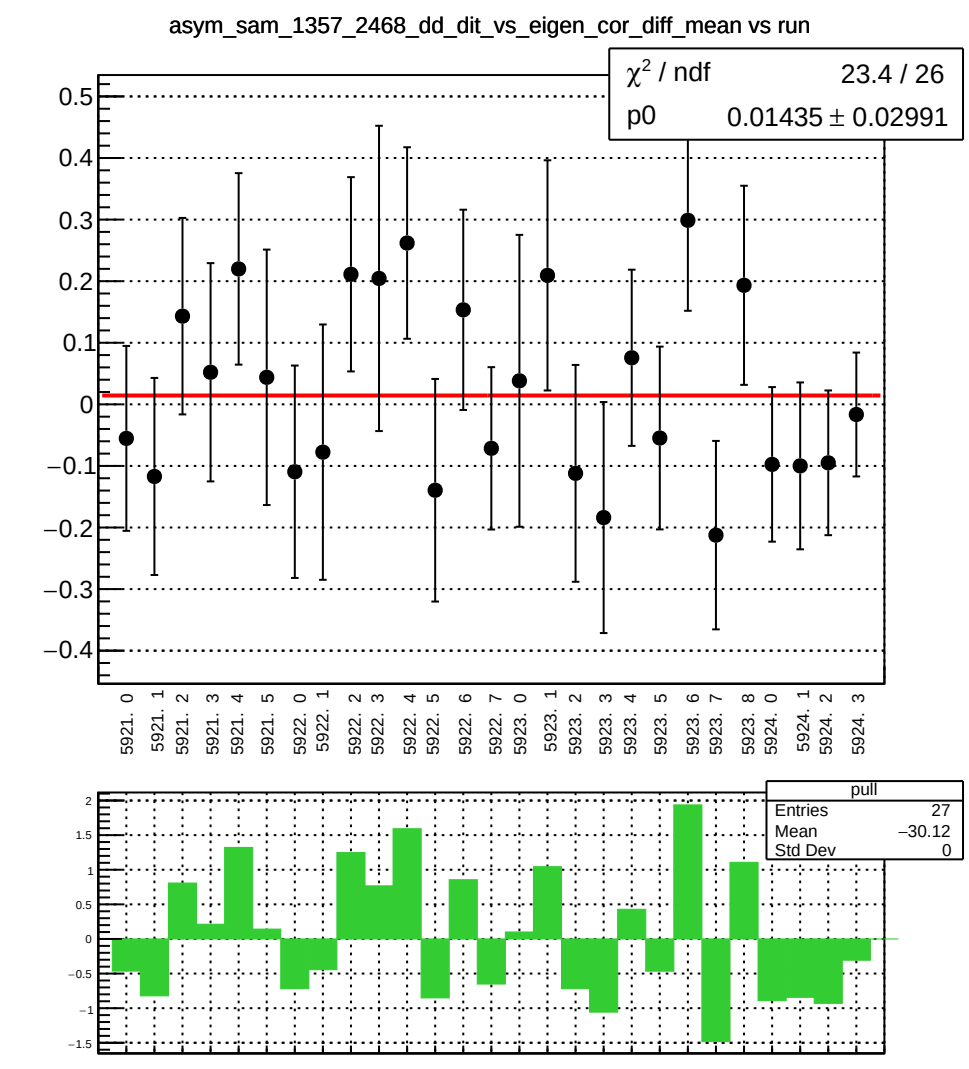

asym_sam_1357_2468_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 29.78 / 26
p0 −6.359e−14 ± 3.329e−14
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 4.781
Std Dev 1.89
2
1
0
−1
−2

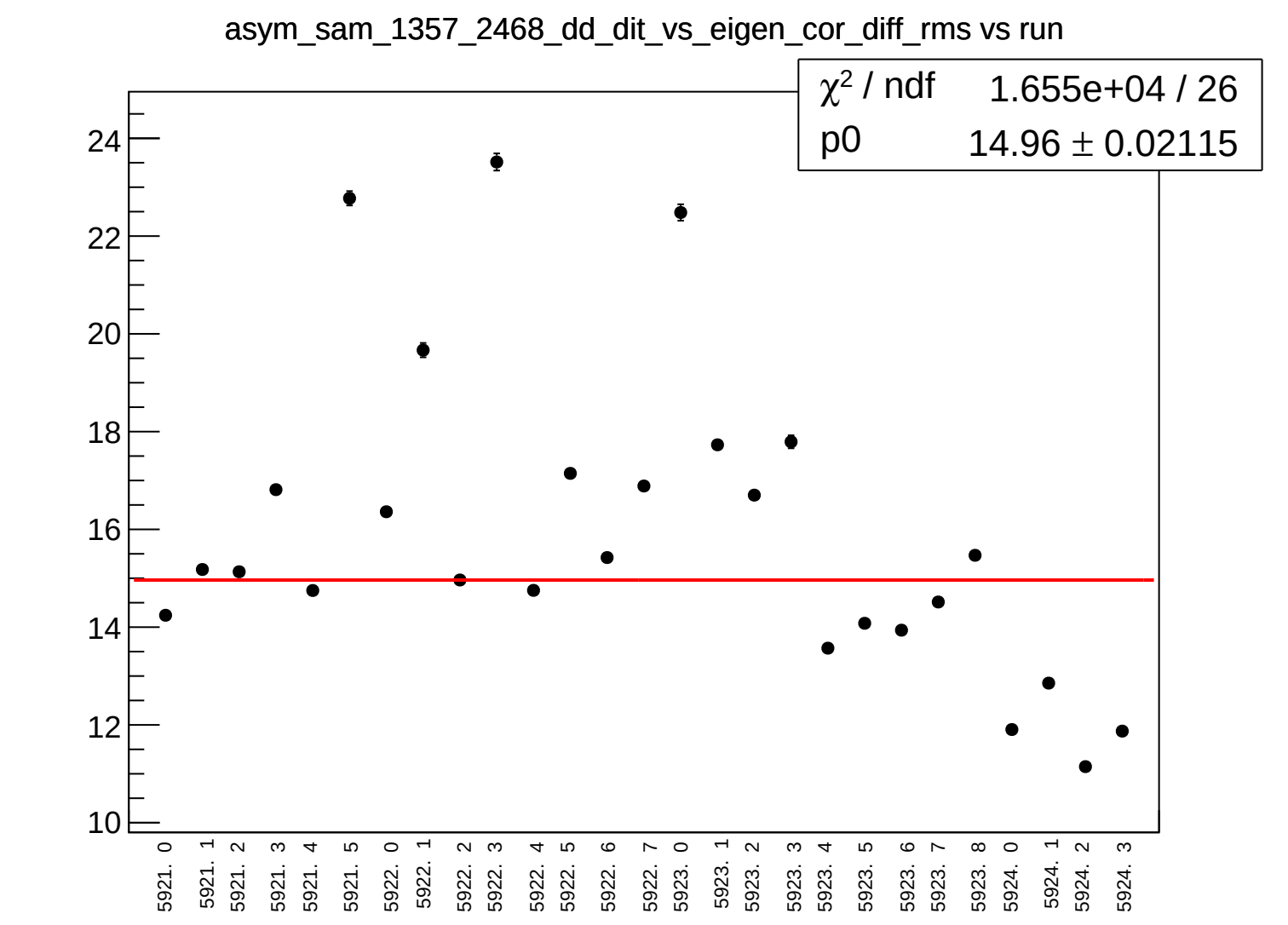

pull1D
Entries 27
Mean 0.3032
Std Dev 1.006
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

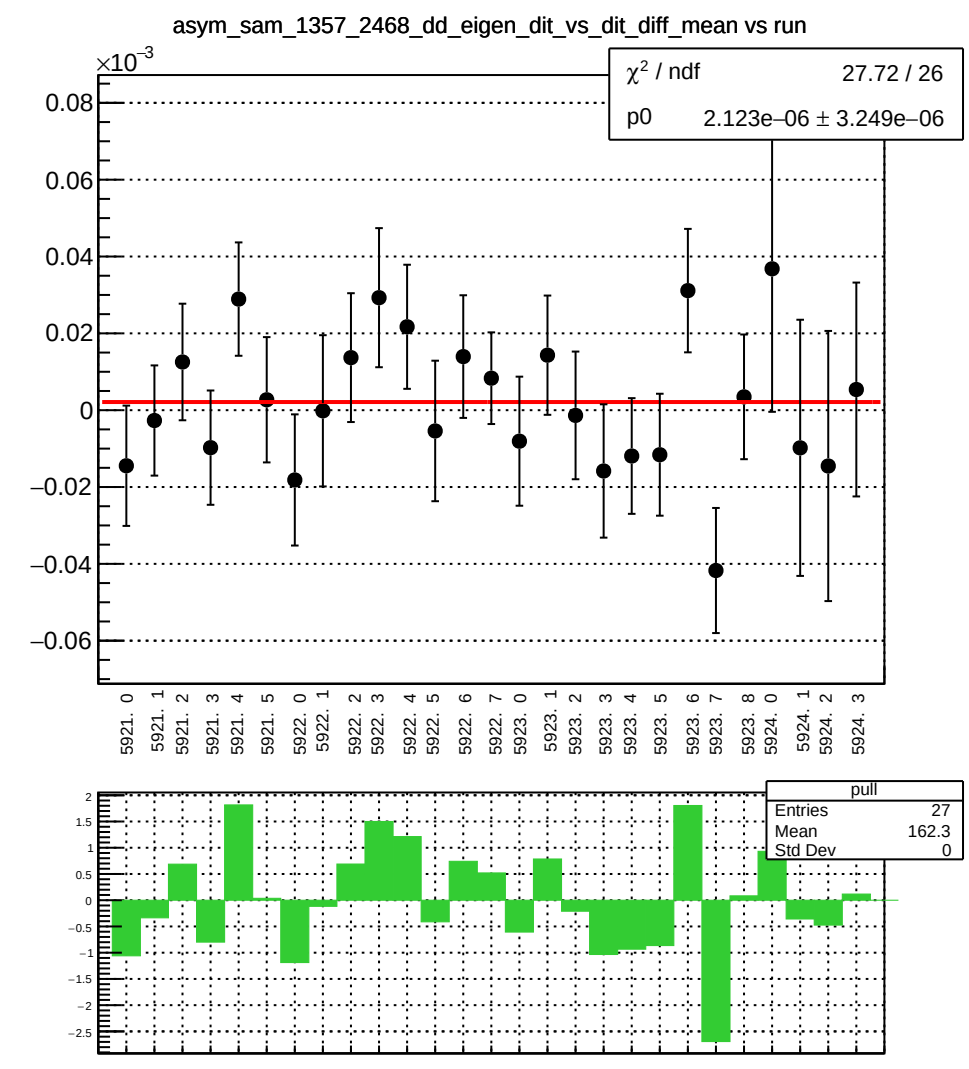

asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs run
χ2 / ndf 3.193e+05 / 26
p0 1.047e−11 ± 2.354e−14
0.025
0.02
0.015
0.01
0.005
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

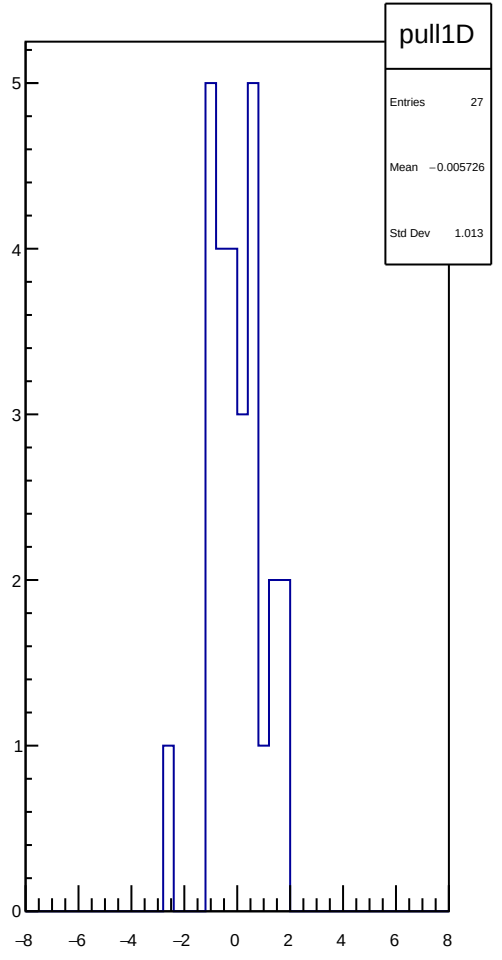

asym_sam_1357_2468_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 23.4 / 26
p0 0.01435 ± 0.02991
pull
Entries 27
Mean −30.12
Std Dev 0
pull1D
Entries 27
Mean 0.03416
Std Dev 0.9303

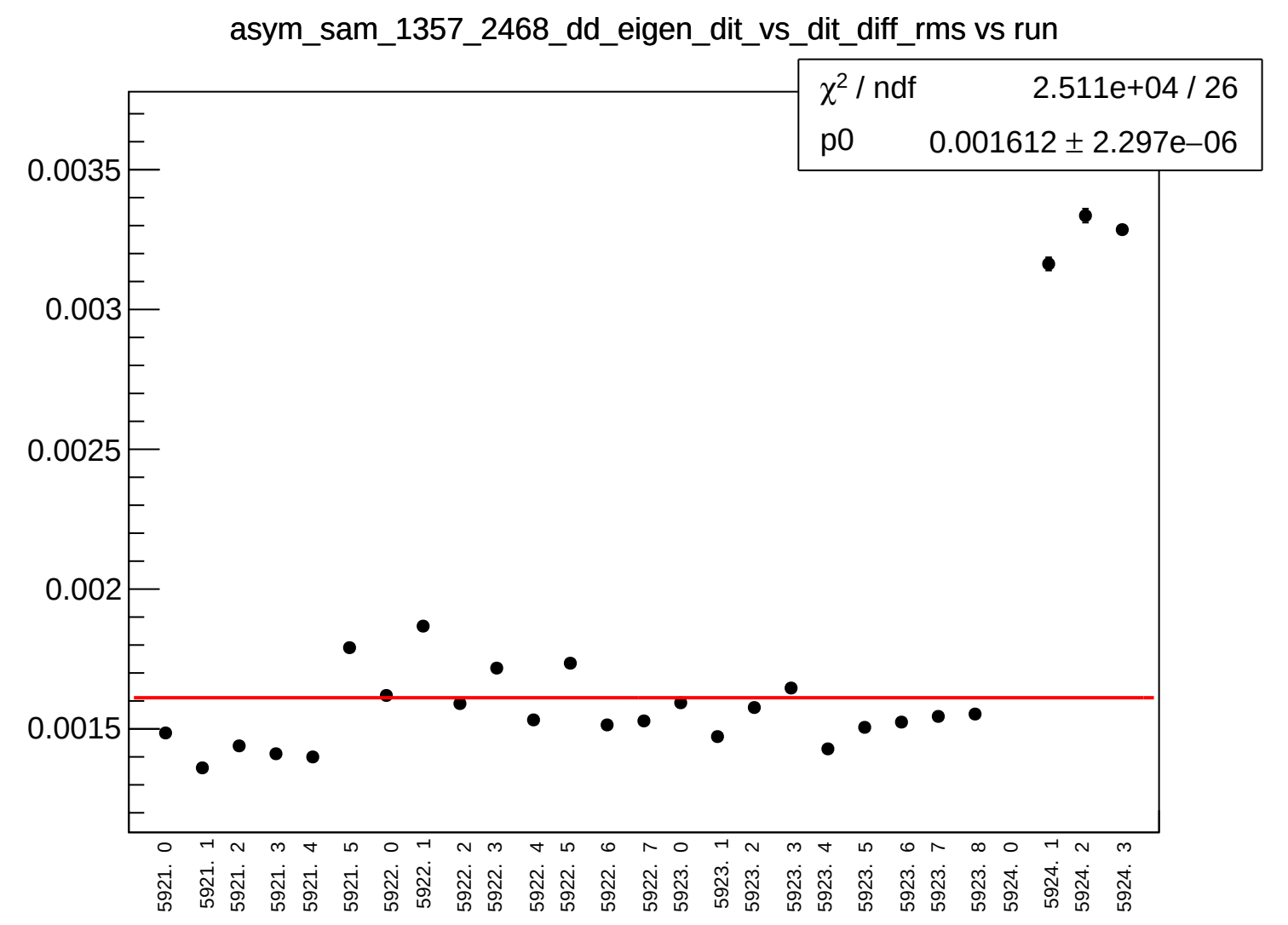

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.655e+04 / 26
p0 14.96 ± 0.02115
24
22
20
18
16
14
12
10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

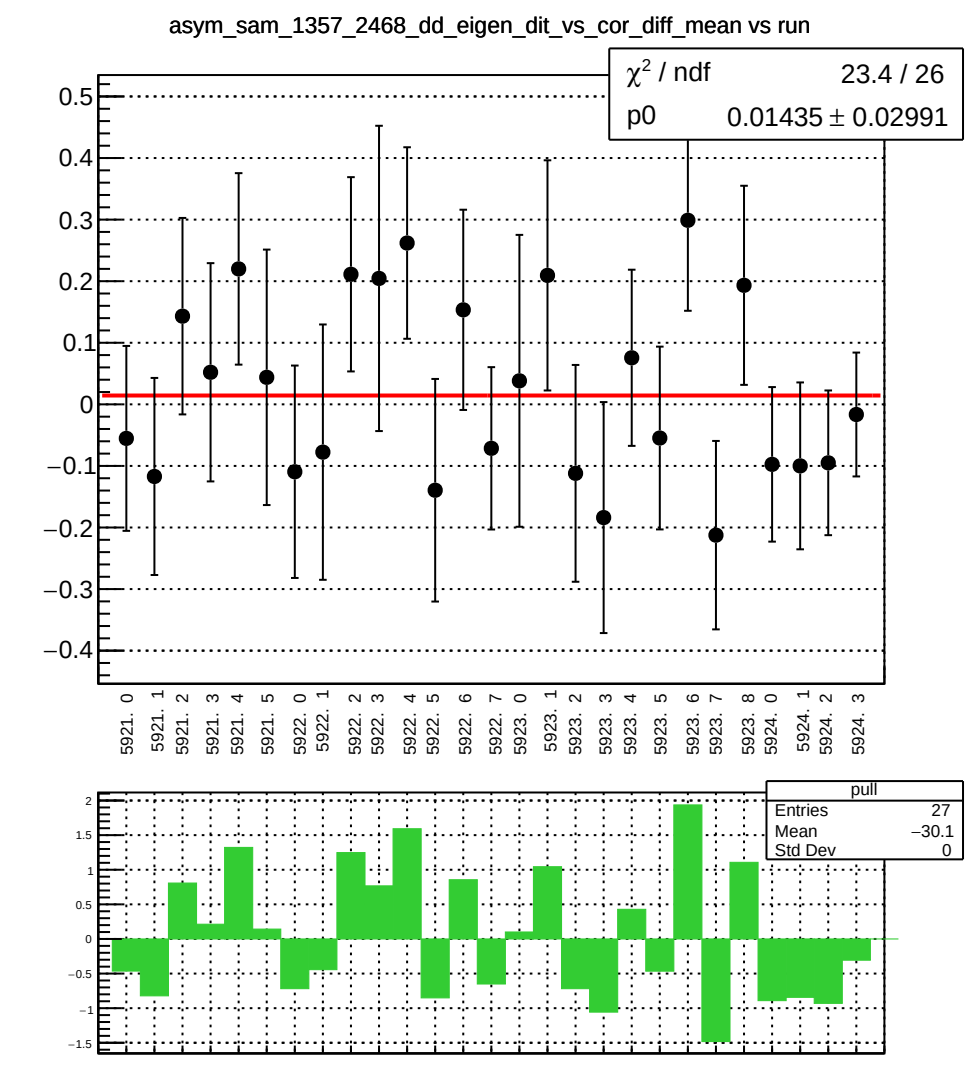

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 23.4 / 26
p0 0.01435 ± 0.02991
pull
Entries 27
Mean −30.12
Std Dev 0
pull1D
Entries 27
Mean 0.03416
Std Dev 0.9303

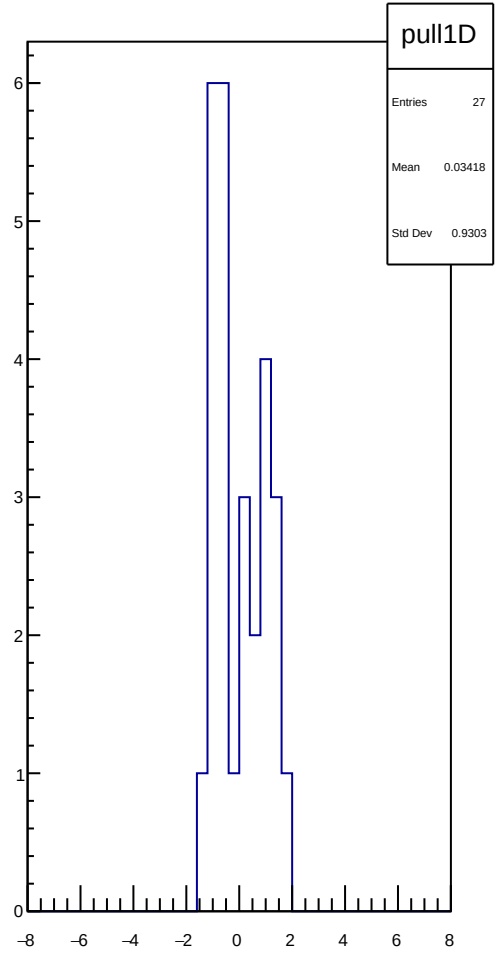

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.655e+04 / 26
p0 14.96 ± 0.02115
24
22
20
18
16
14
12
10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

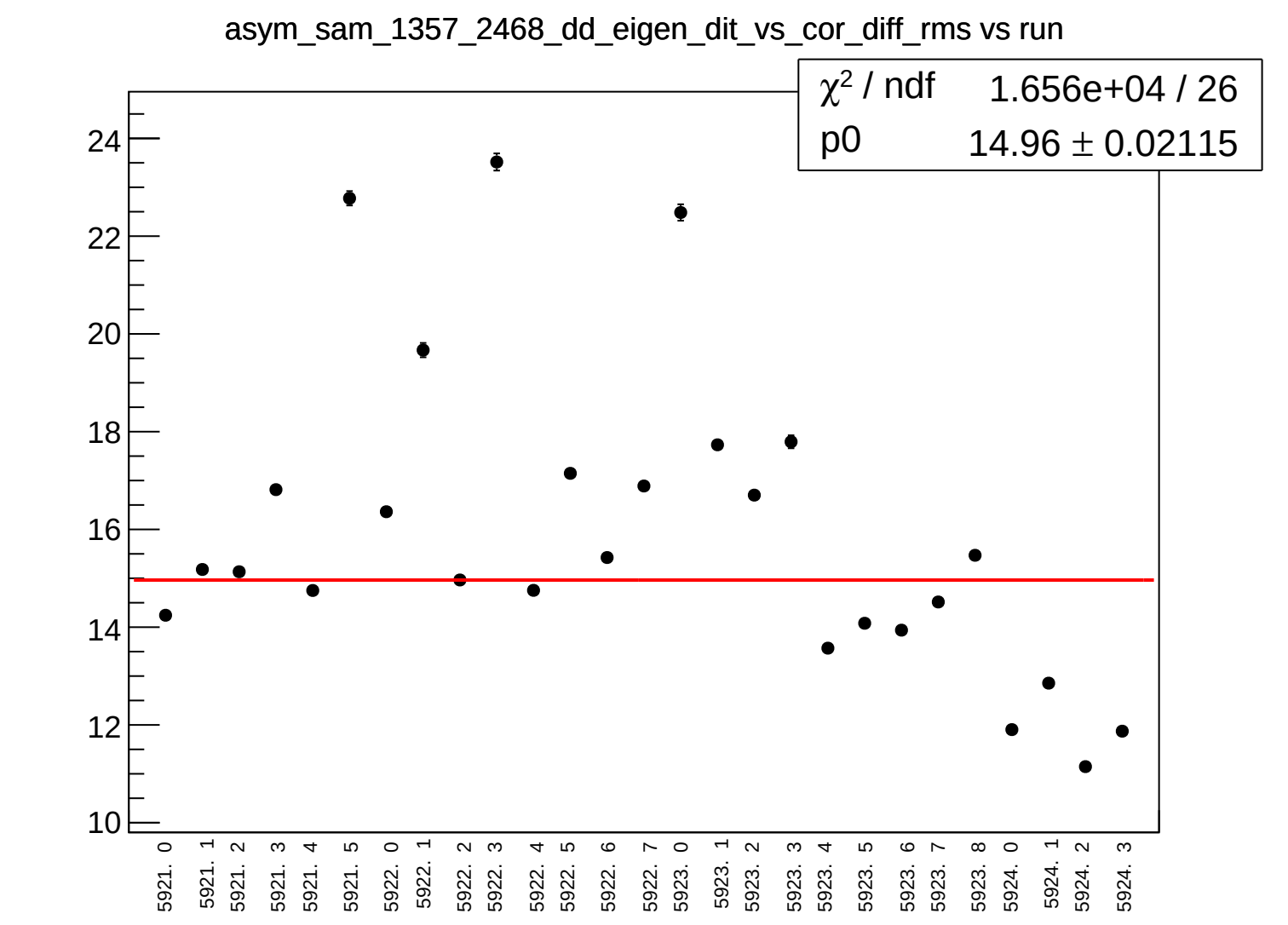

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 27.72 / 26
p0 2.123e−06 ± 3.249e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 162.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

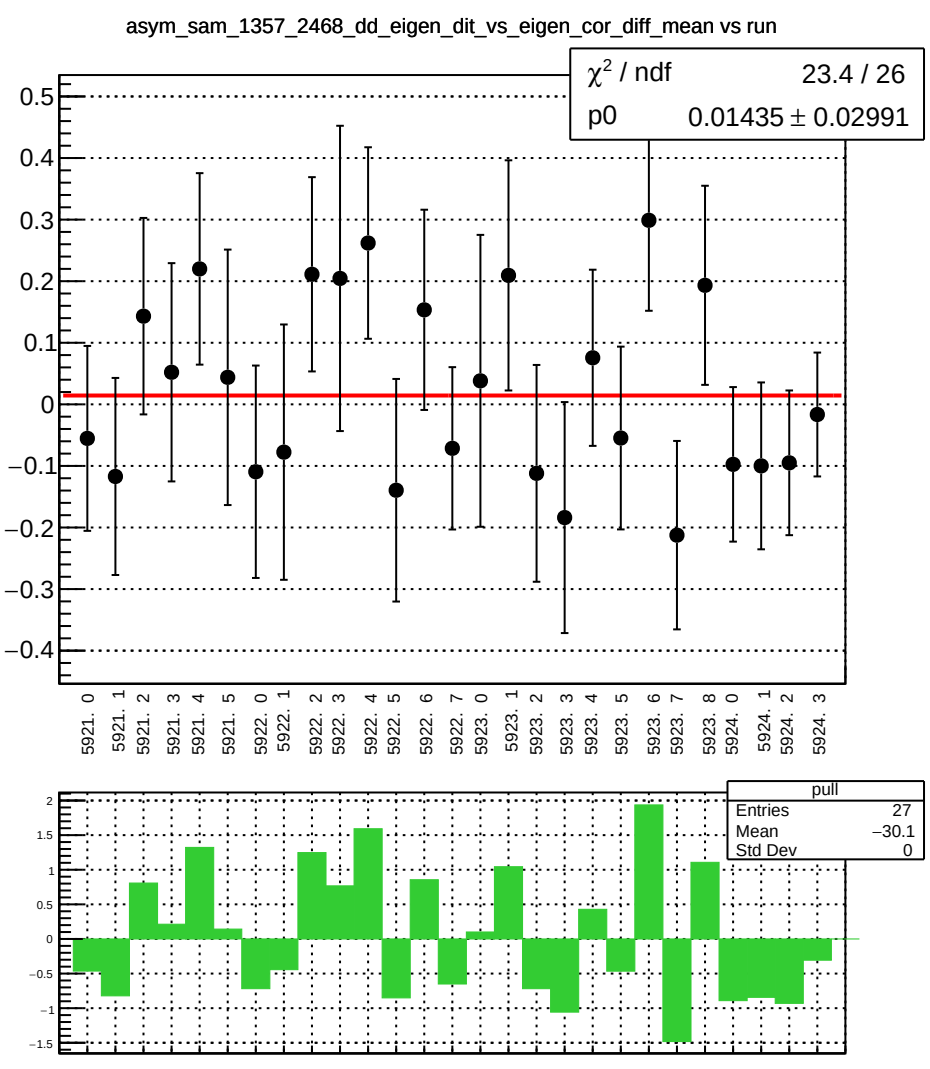

pull1D
Entries 27
Mean −0.005726
Std Dev 1.013
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

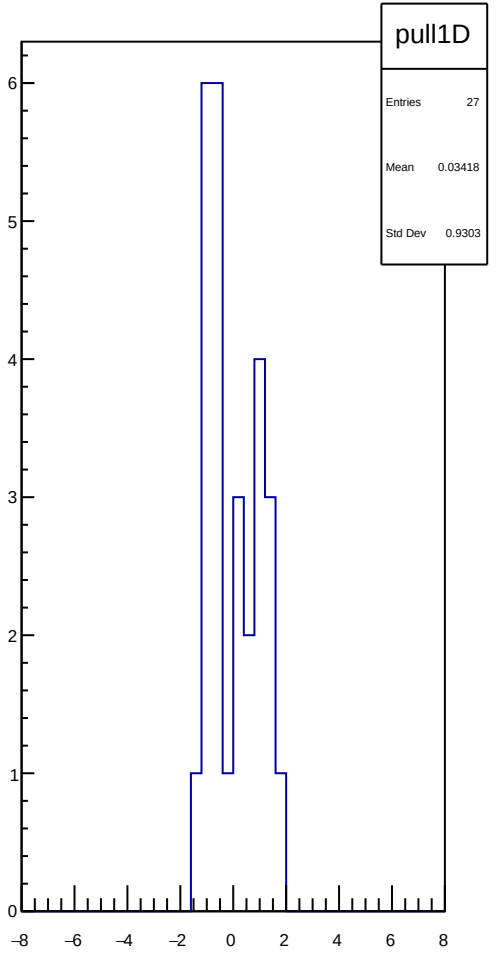

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.511e+04 / 26
p0 0.001612 ± 2.297e−06
0.0035
0.003
0.0025
0.002
0.0015
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

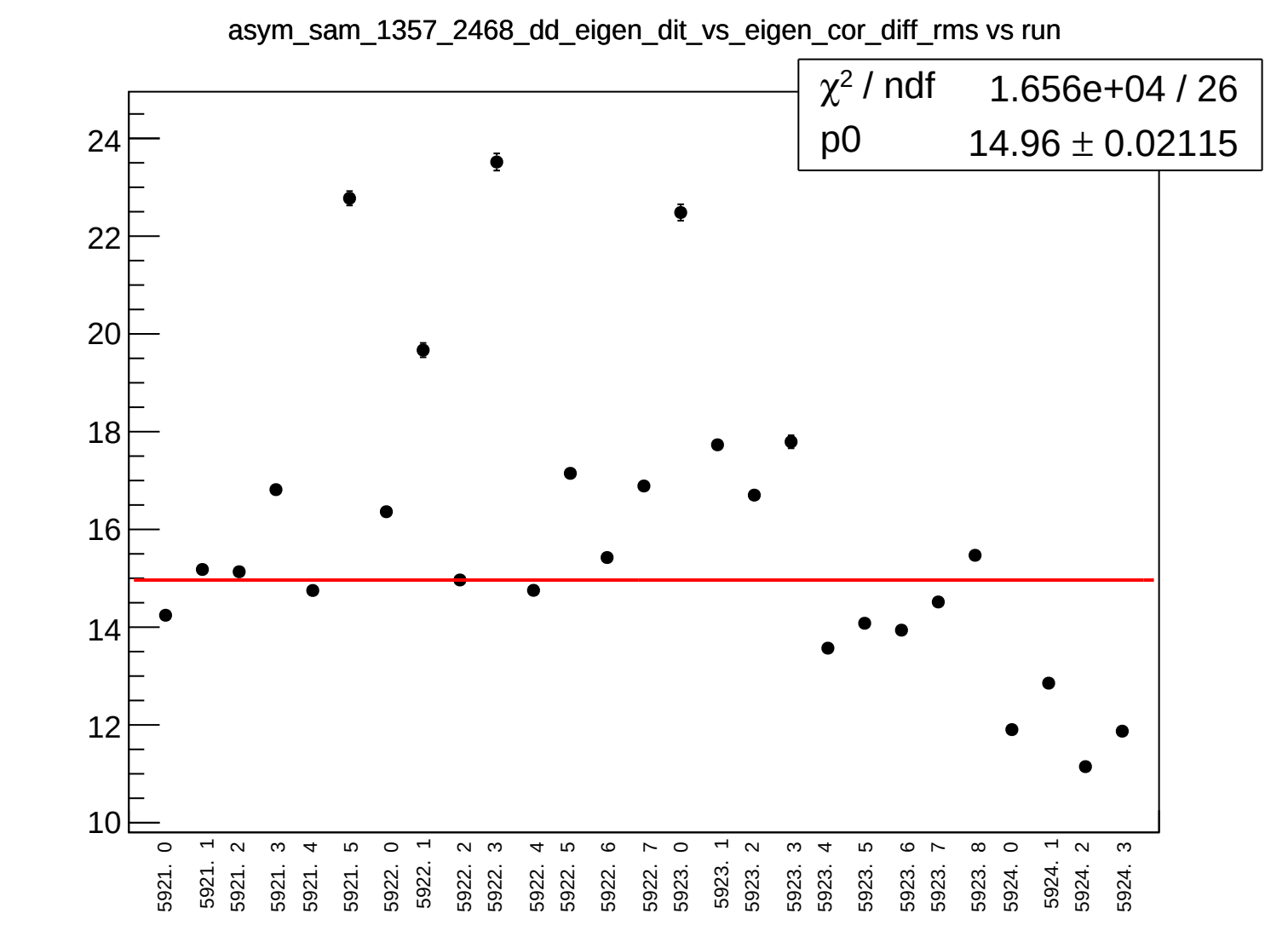

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 23.4 / 26
p0 0.01435 ± 0.02991
pull
Entries 27
Mean −30.1
Std Dev 0

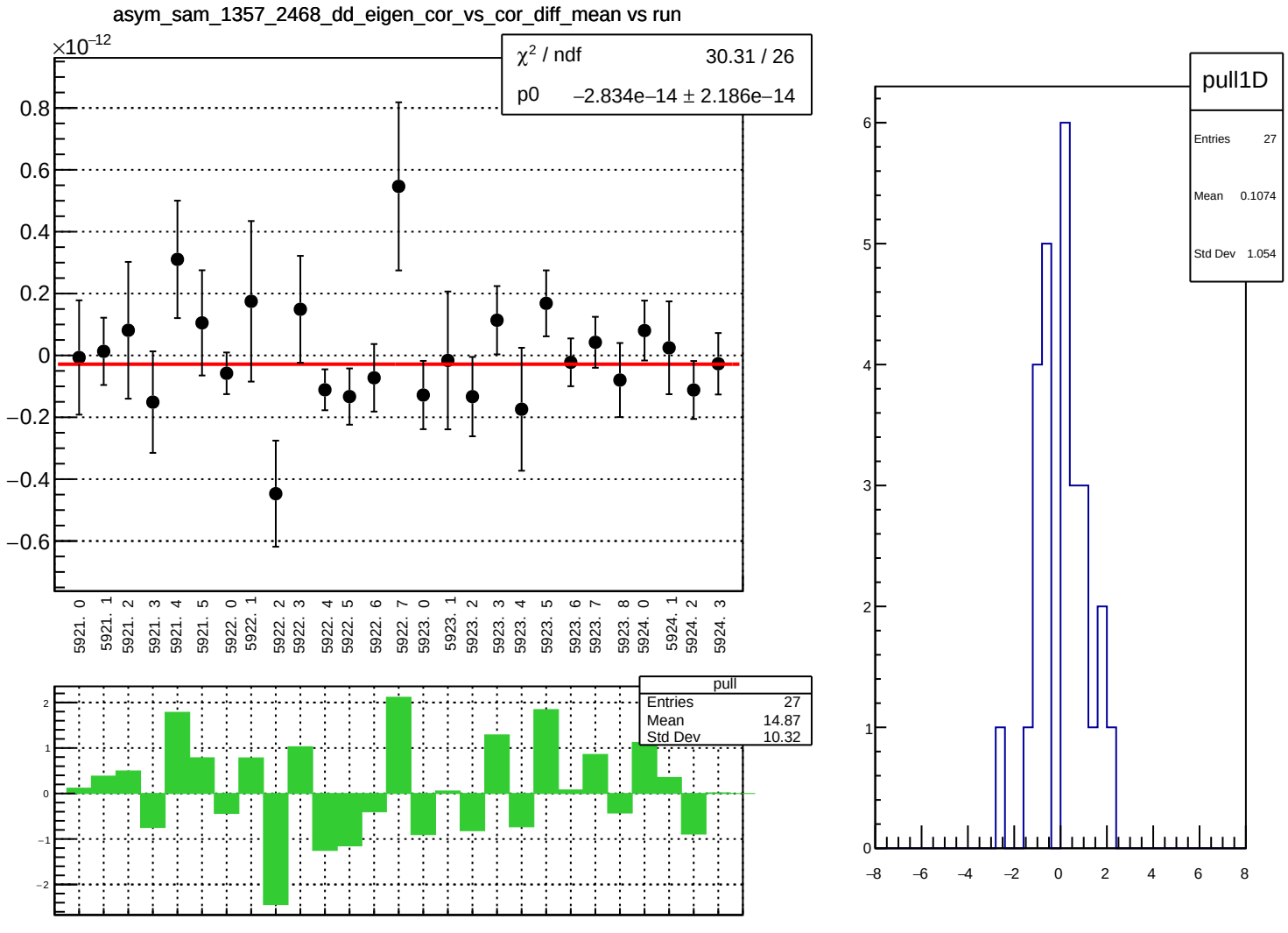

pull1D
Entries 27
Mean 0.03418
Std Dev 0.9303

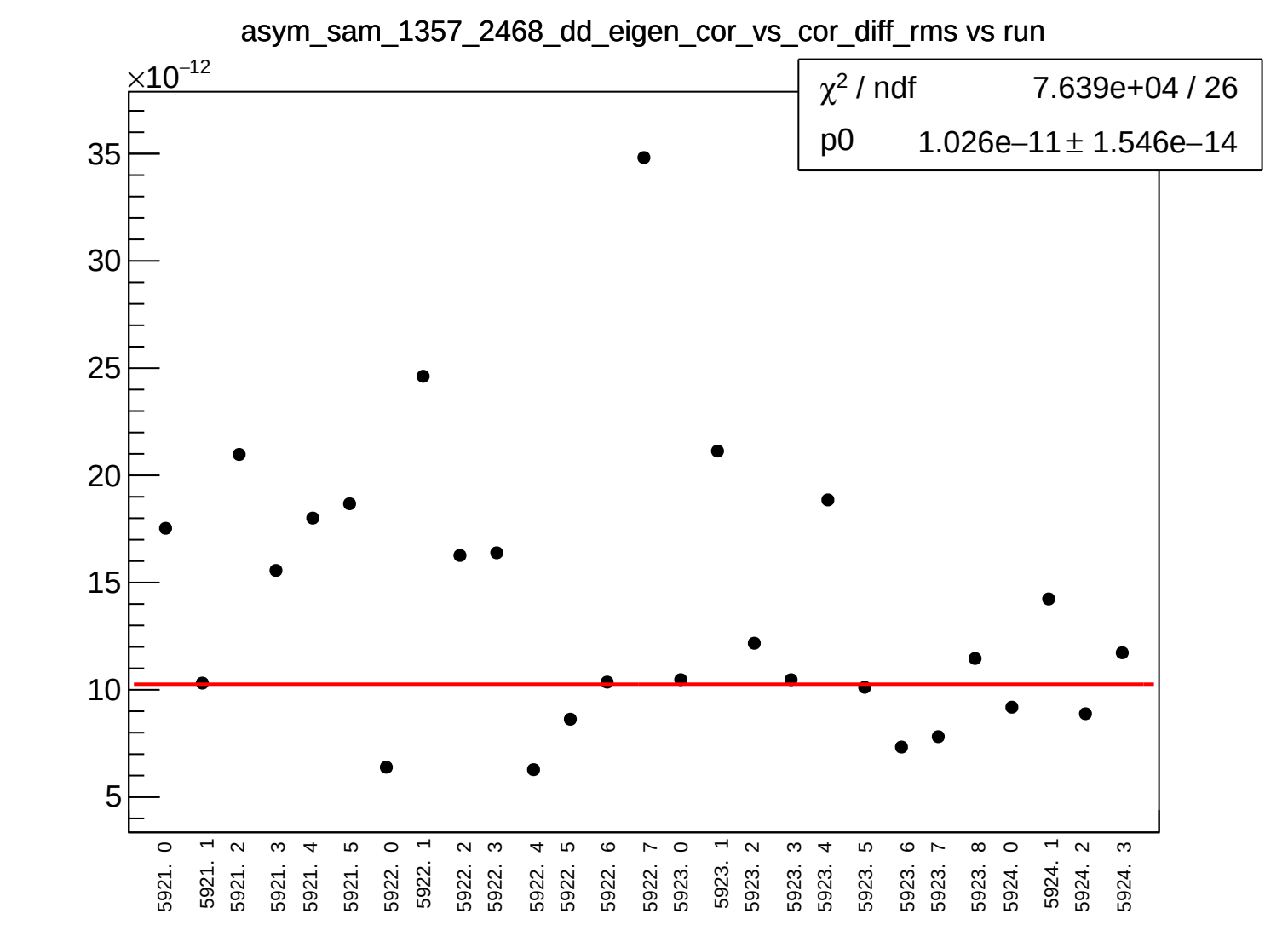

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.656e+04 / 26
p0 14.96 ± 0.02115
24
22
20
18
16
14
12
10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

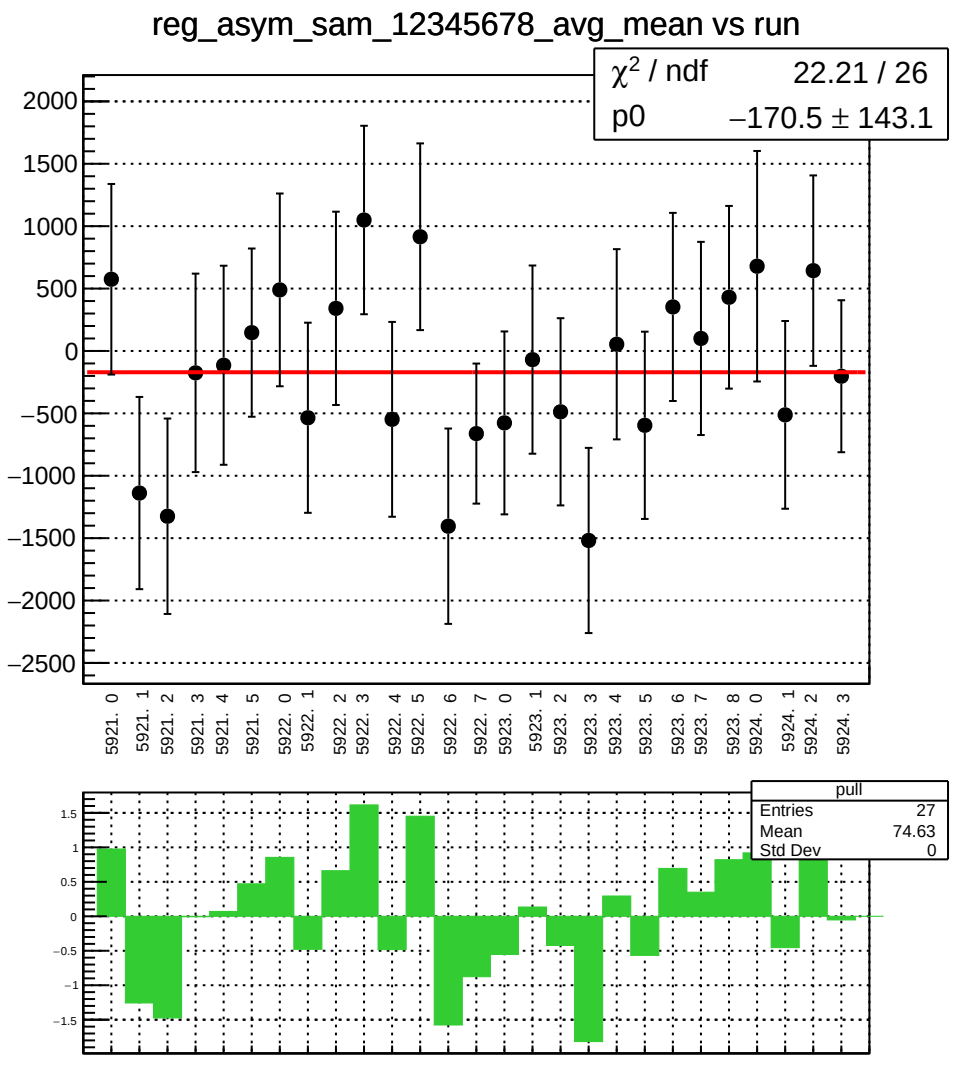

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 23.4 / 26
p0 0.01435 ± 0.02991
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −30.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

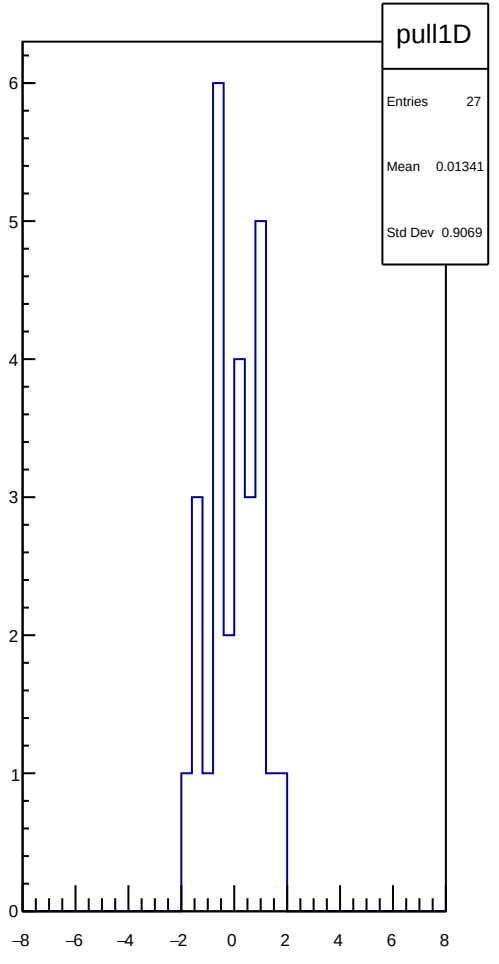

pull1D
Entries 27
Mean 0.03418
Std Dev 0.9303
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

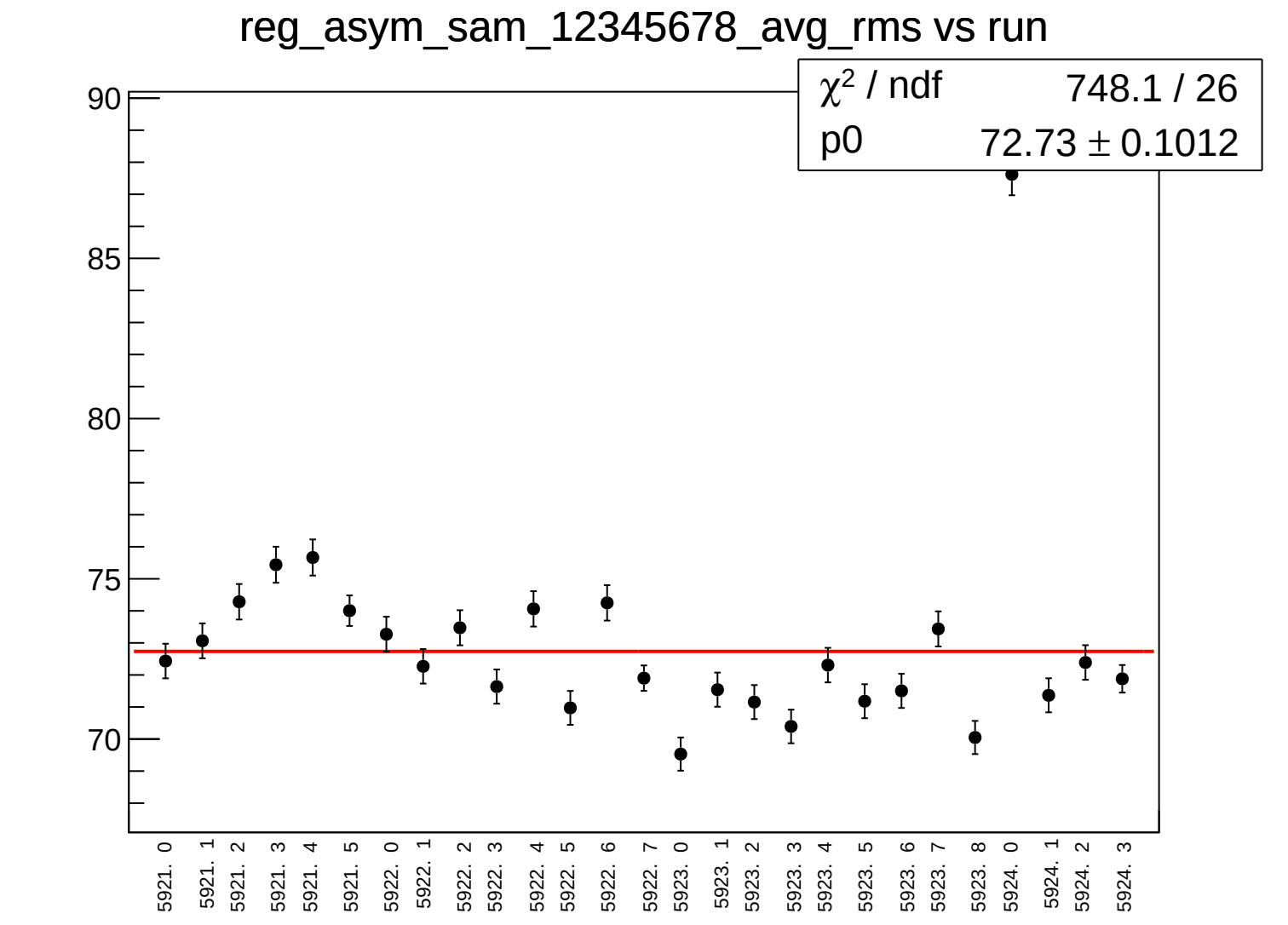

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.656e+04 / 26
p0 14.96 ± 0.02115
24
22
20
18
16
14
12
10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

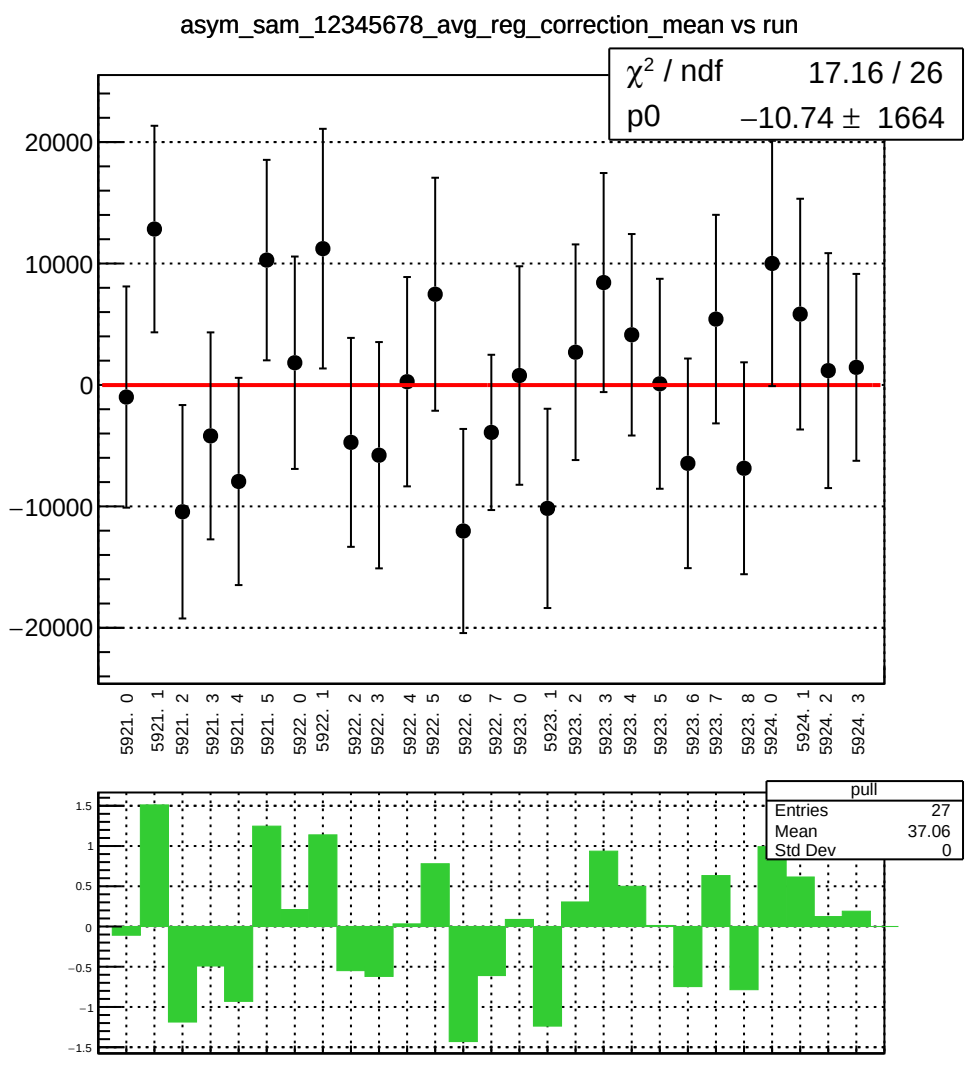

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 30.31 / 26
p0 −2.834e−14 ± 2.186e−14
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 14.87
Std Dev 10.32
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.1074
Std Dev 1.054
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

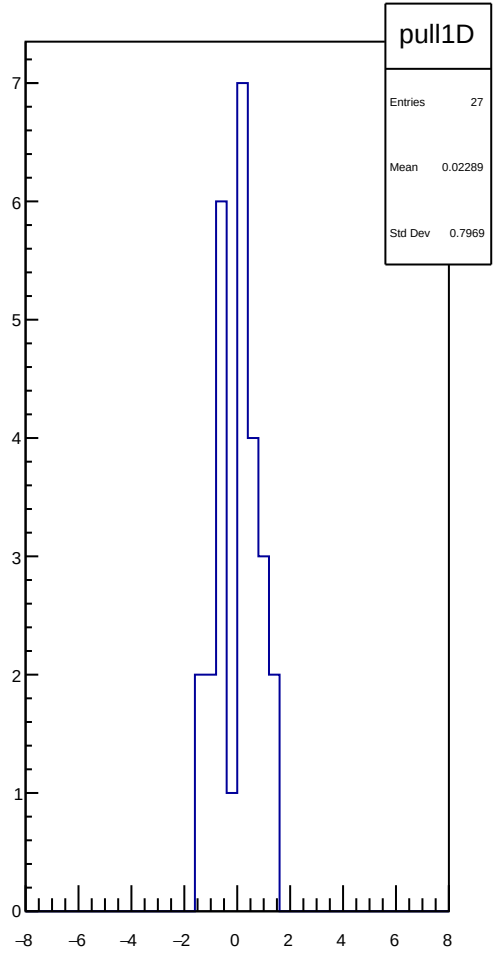

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 7.639e+04 / 26
p0 1.026e−11 ± 1.546e−14
35
30
25
20
15
10
5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

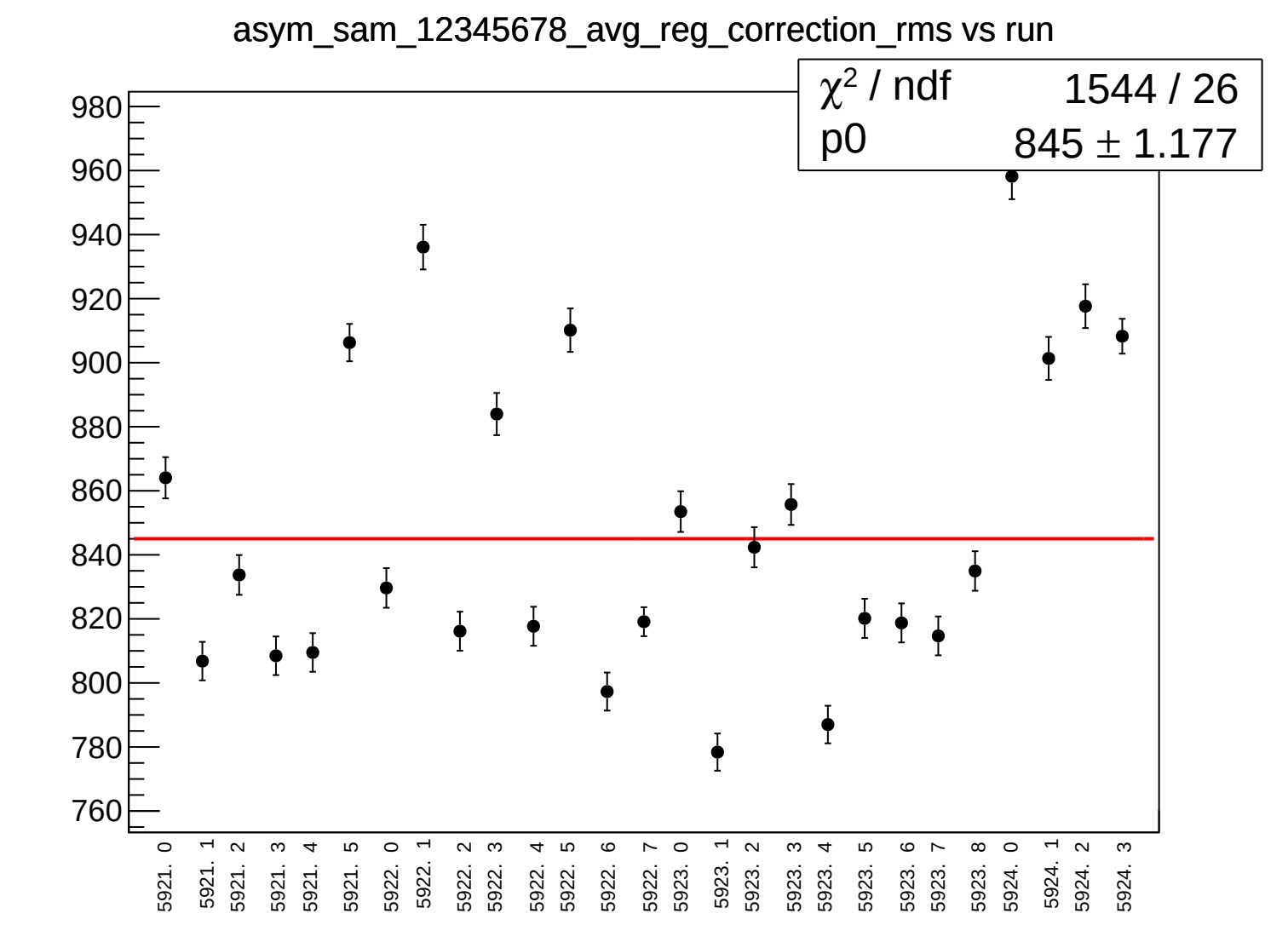

reg_asym_sam_12345678_avg_mean vs run
χ² / ndf 22.21 / 26
p0 −170.5 ± 143.1
2000
1500
1000
500
0
−500
−1000
−1500
−2000
−2500
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 74.63
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

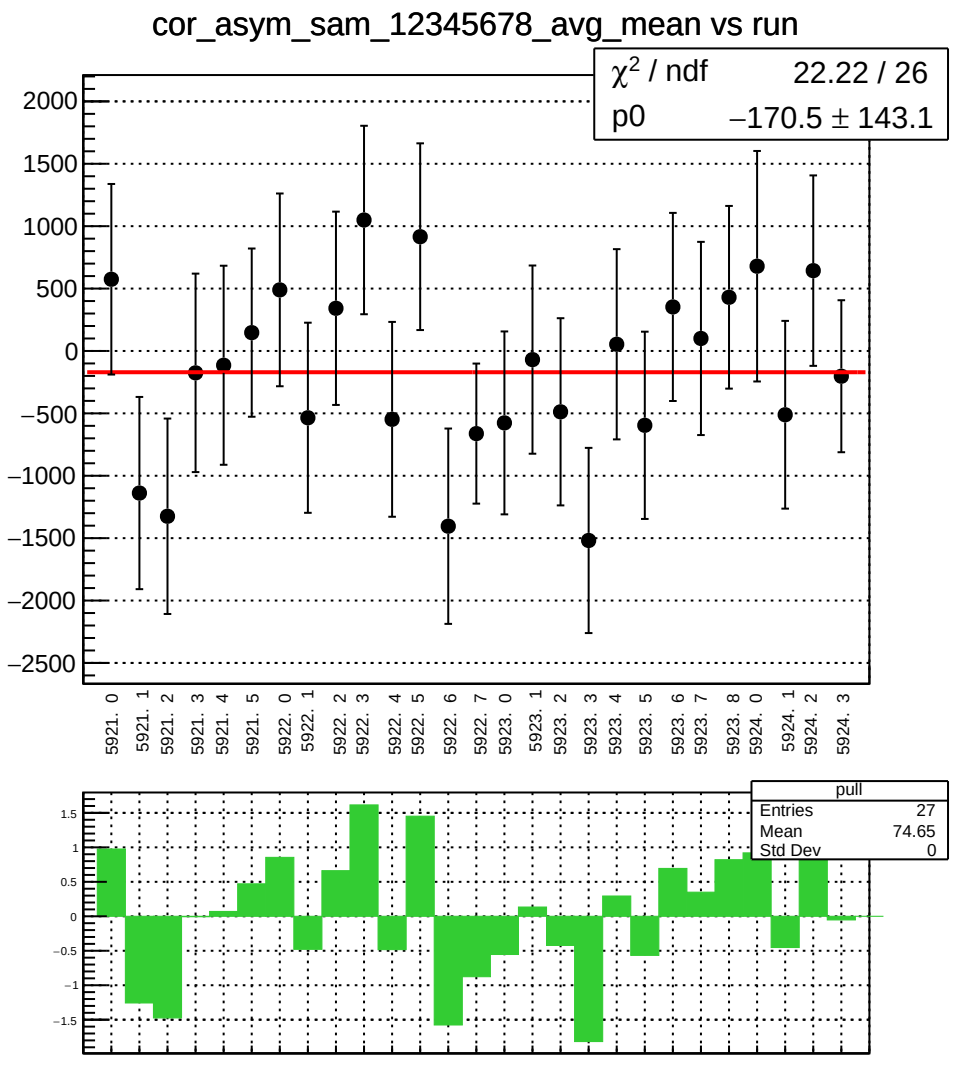

pull1D
Entries 27
Mean 0.01341
Std Dev 0.9069
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

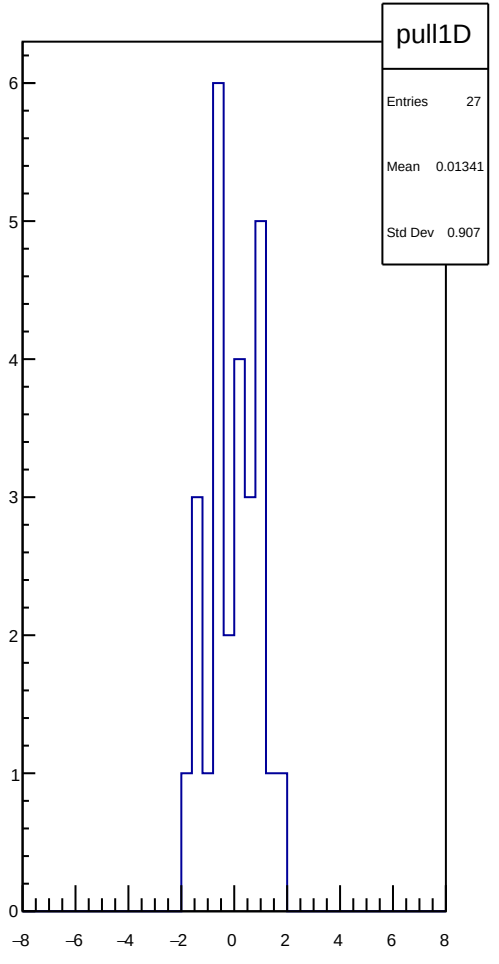

reg_asym_sam_12345678_avg_rms vs run
χ² / ndf 748.1 / 26
p0 72.73 ± 0.1012
90
85
80
75
70
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

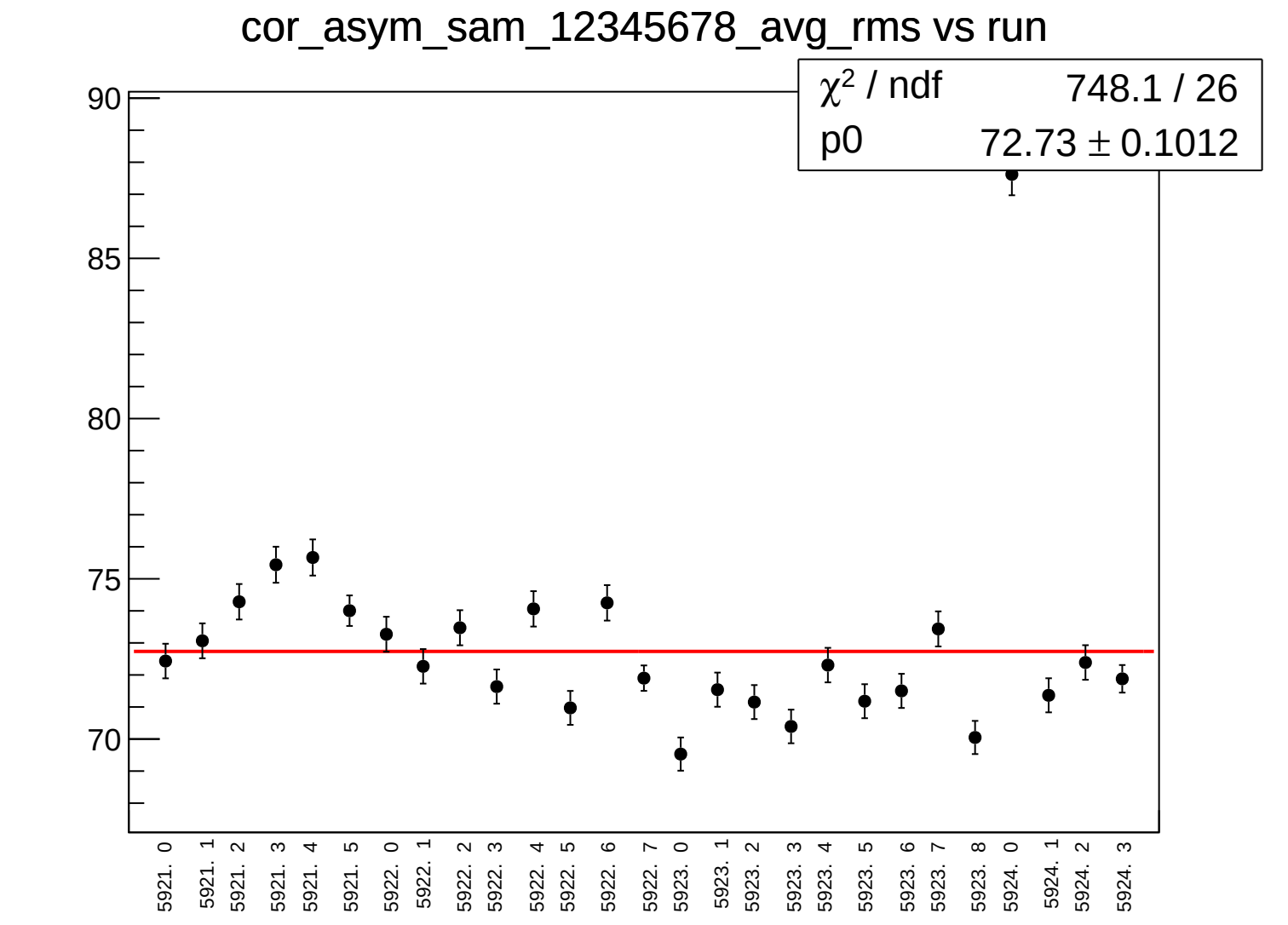

asym_sam_12345678_avg_reg_correction_mean vs run
χ² / ndf 17.16 / 26
p0 −10.74 ± 1664
20000
10000
0
−10000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 37.06
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

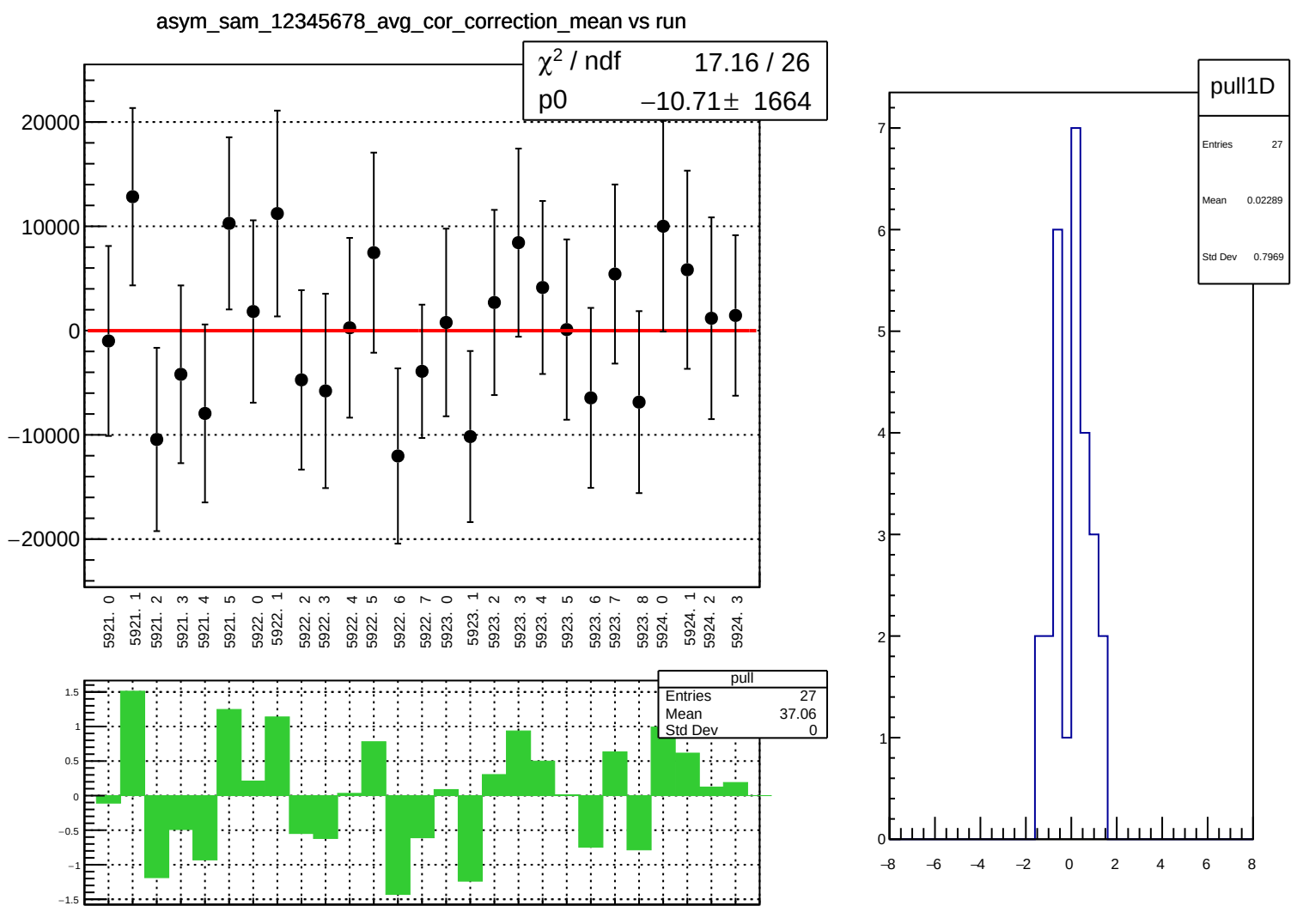

pull1D
Entries 27
Mean 0.02289
Std Dev 0.7969
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

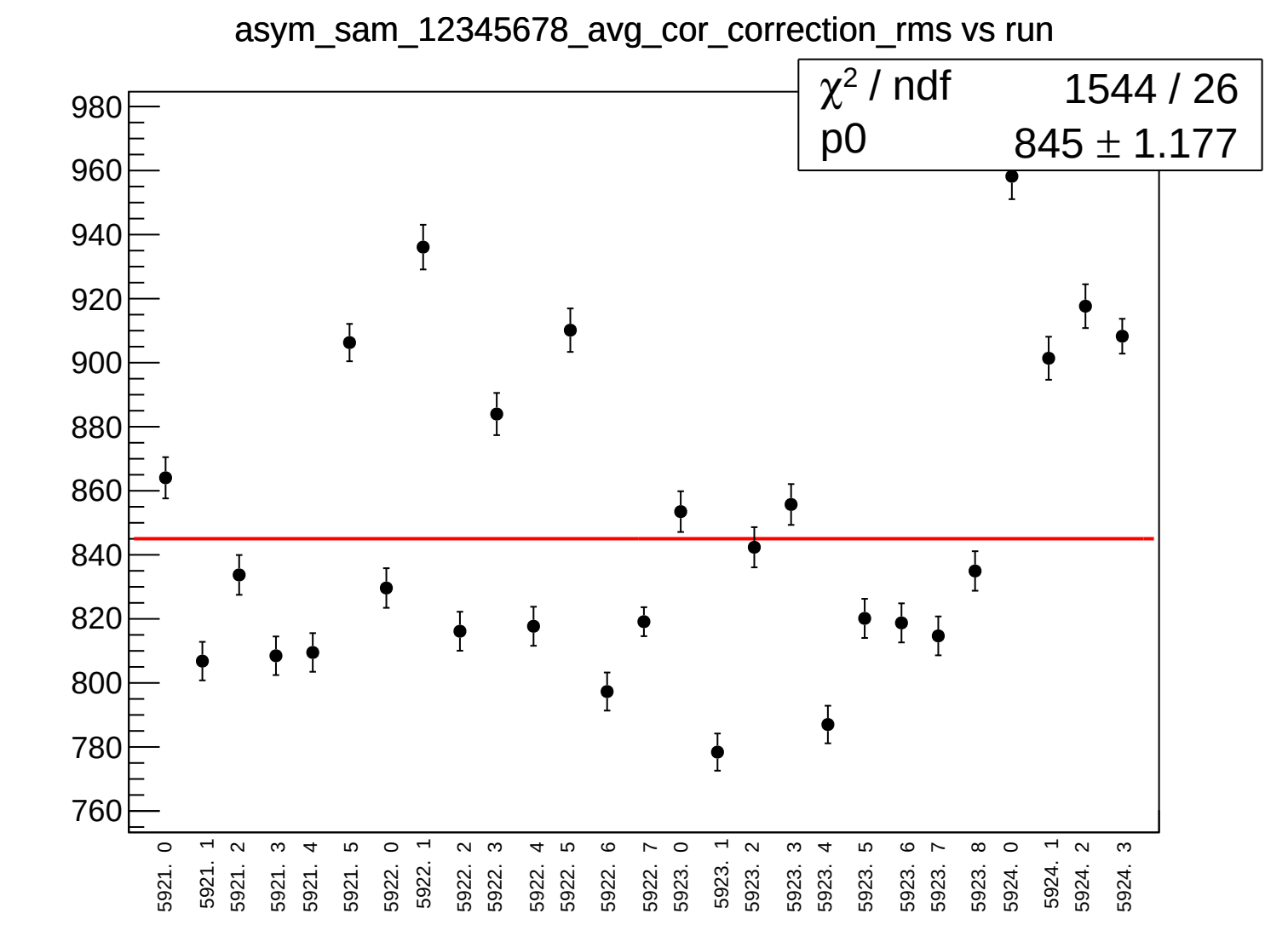

asym_sam_12345678_avg_reg_correction_rms vs run
χ² / ndf 1544 / 26
p0 845 ± 1.177
980
960
940
920
900
880
860
840
820
800
780
760
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

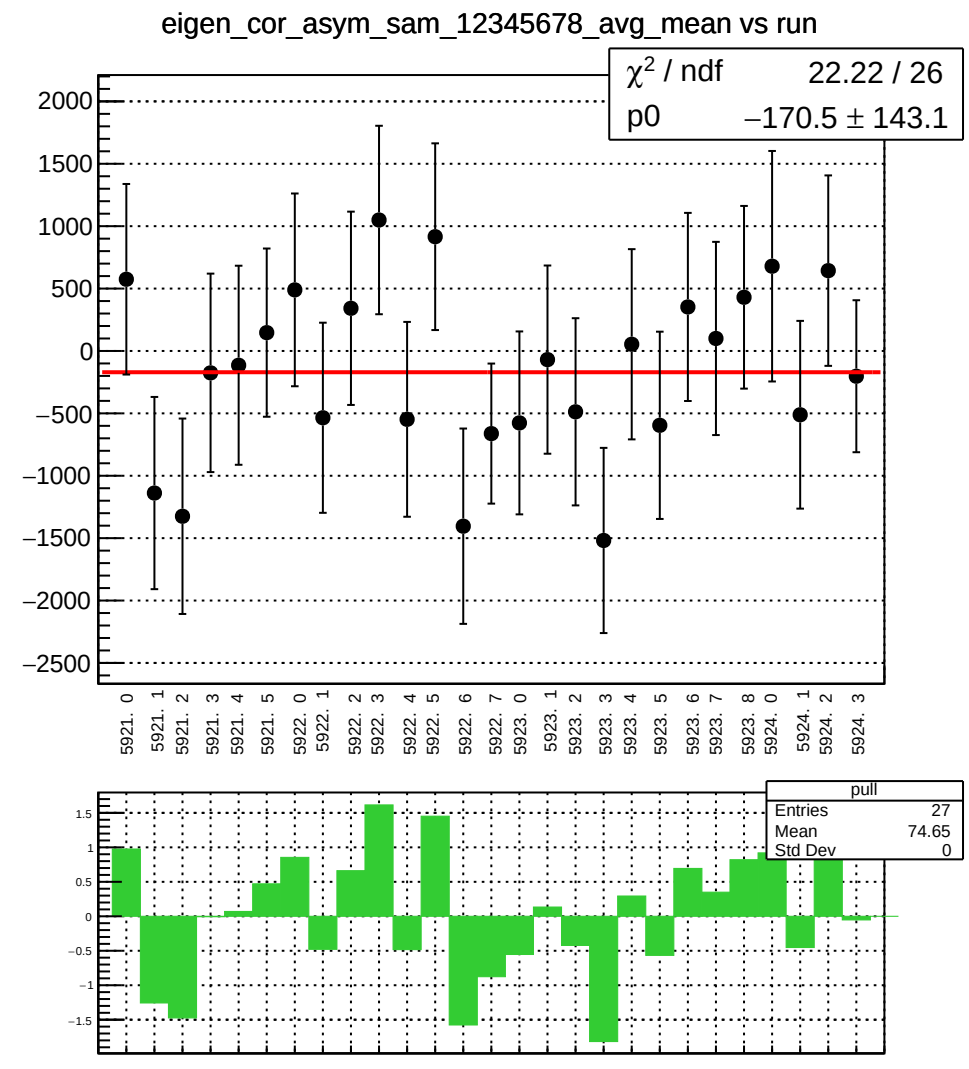

cor_asym_sam_12345678_avg_mean vs run
χ² / ndf 22.22 / 26
p0 −170.5 ± 143.1
2000
1500
1000
500
0
−500
−1000
−1500
−2000
−2500
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 74.65
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

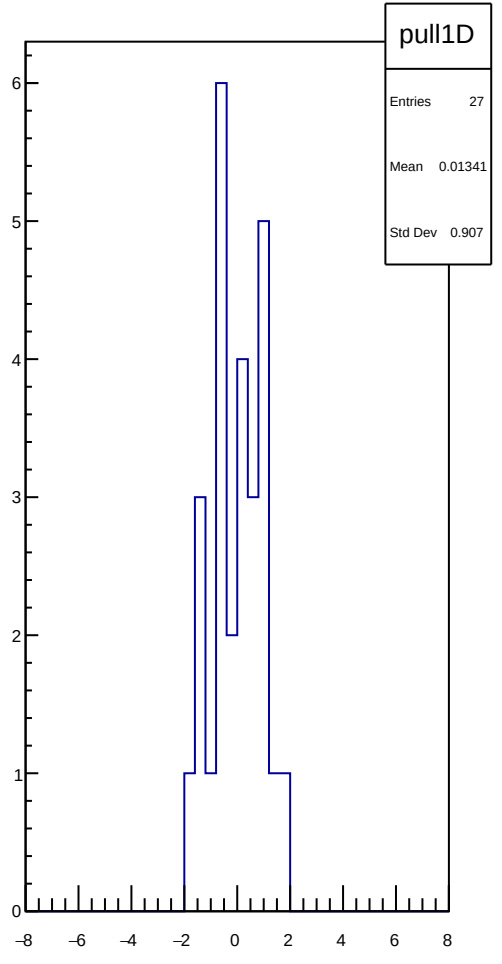

pull1D
Entries 27
Mean 0.01341
Std Dev 0.907
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

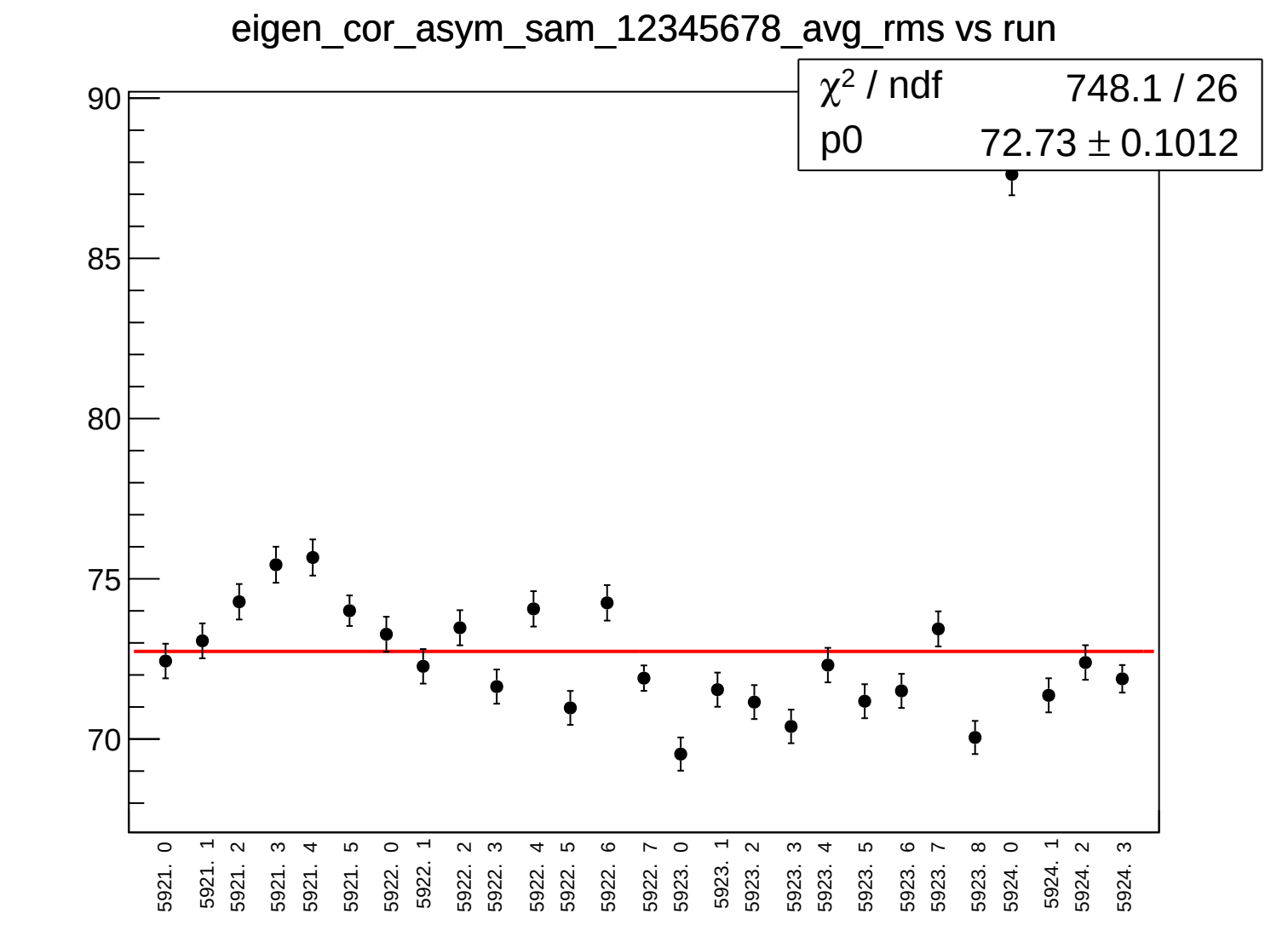

cor_asym_sam_12345678_avg_rms vs run
χ² / ndf 748.1 / 26
p0 72.73 ± 0.1012
90
85
80
75
70
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

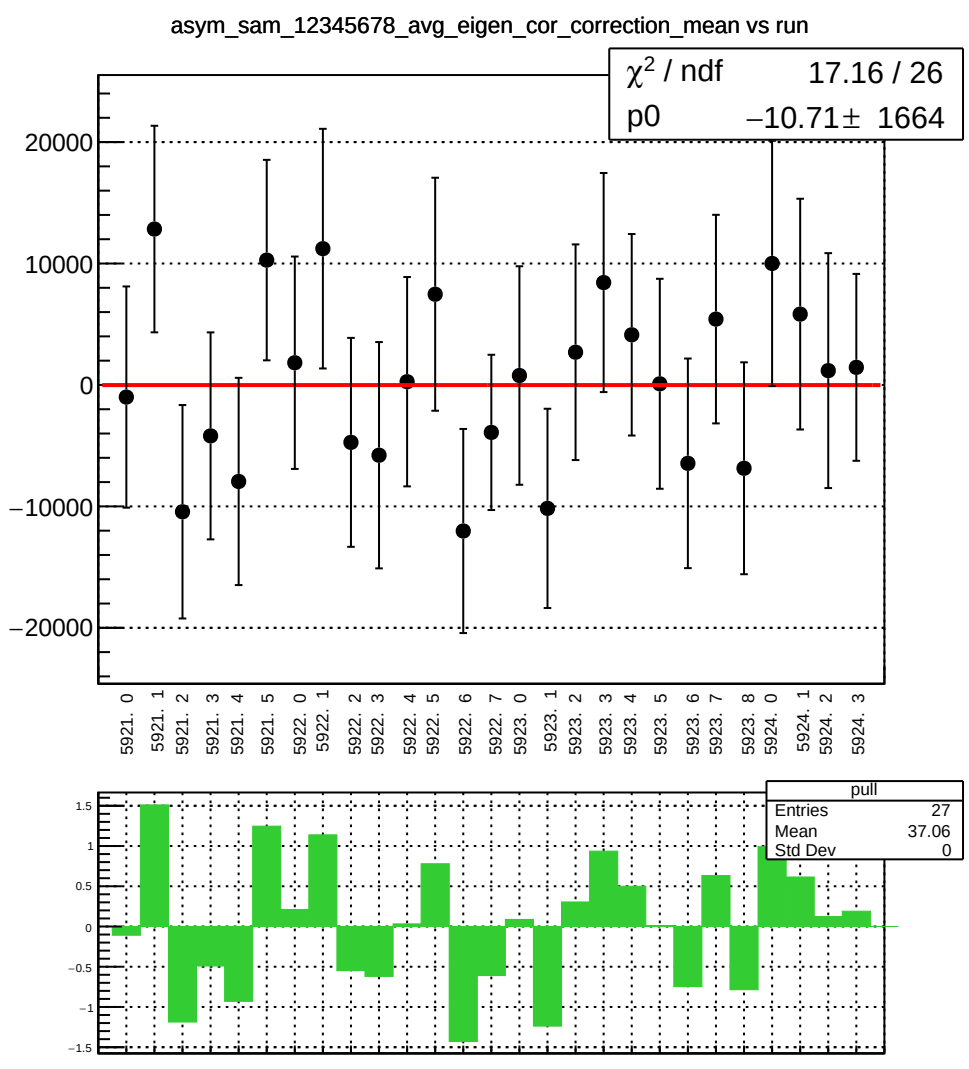

asym_sam_12345678_avg_cor_correction_mean vs run
χ² / ndf 17.16 / 26
p0 −10.71± 1664
20000
10000
0
−10000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 37.06
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.02289
Std Dev 0.7969
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

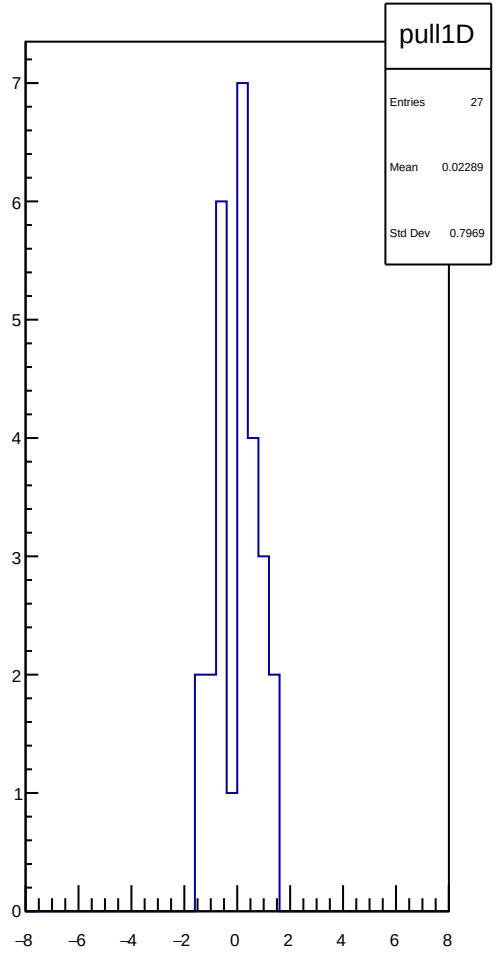

asym_sam_12345678_avg_cor_correction_rms vs run
χ² / ndf 1544 / 26
p0 845 ± 1.177
980
960
940
920
900
880
860
840
820
800
780
760
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

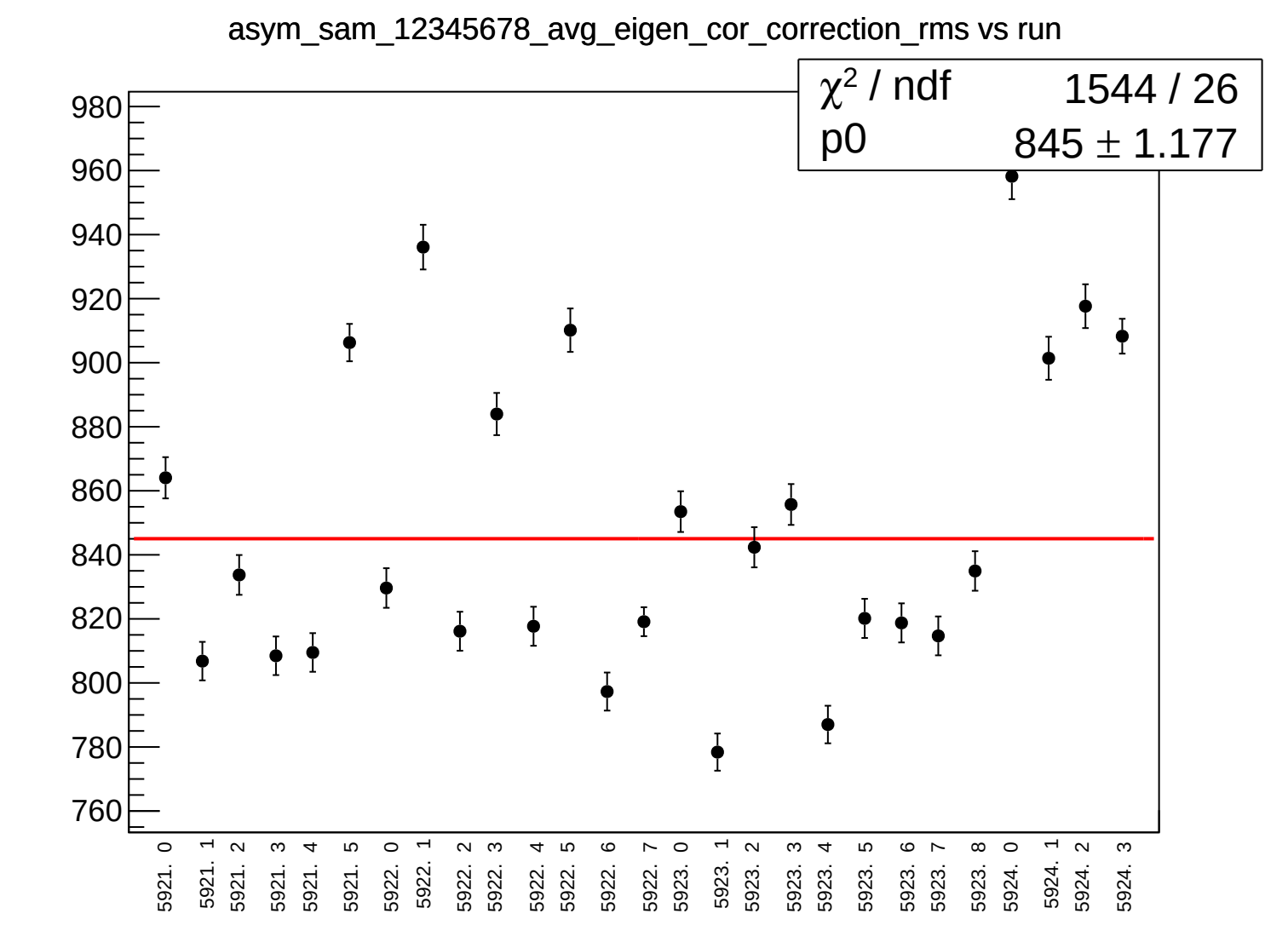

eigen_cor_asym_sam_12345678_avg_mean vs run
χ² / ndf 22.22 / 26
p0 −170.5 ± 143.1
2000
1500
1000
500
0
−500
−1000
−1500
−2000
−2500
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 74.65
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

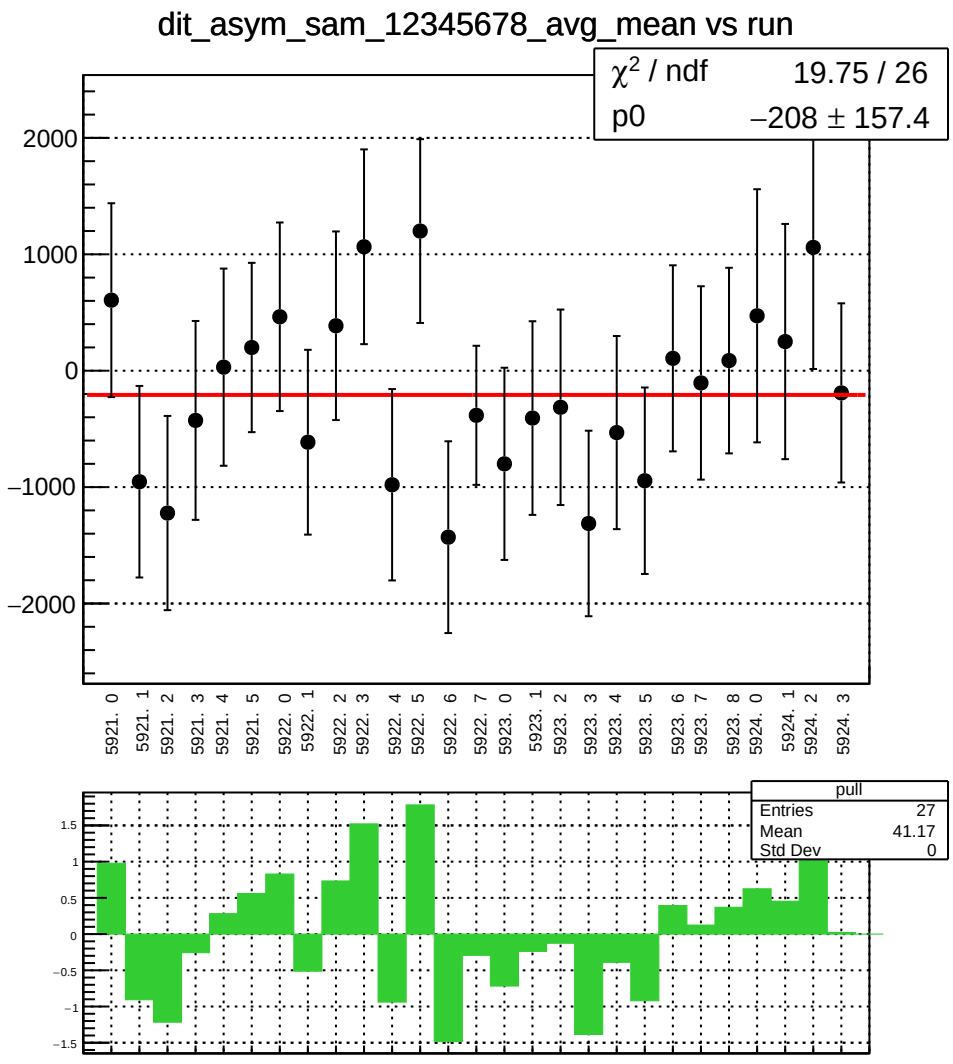

pull1D
Entries 27
Mean 0.01341
Std Dev 0.907
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

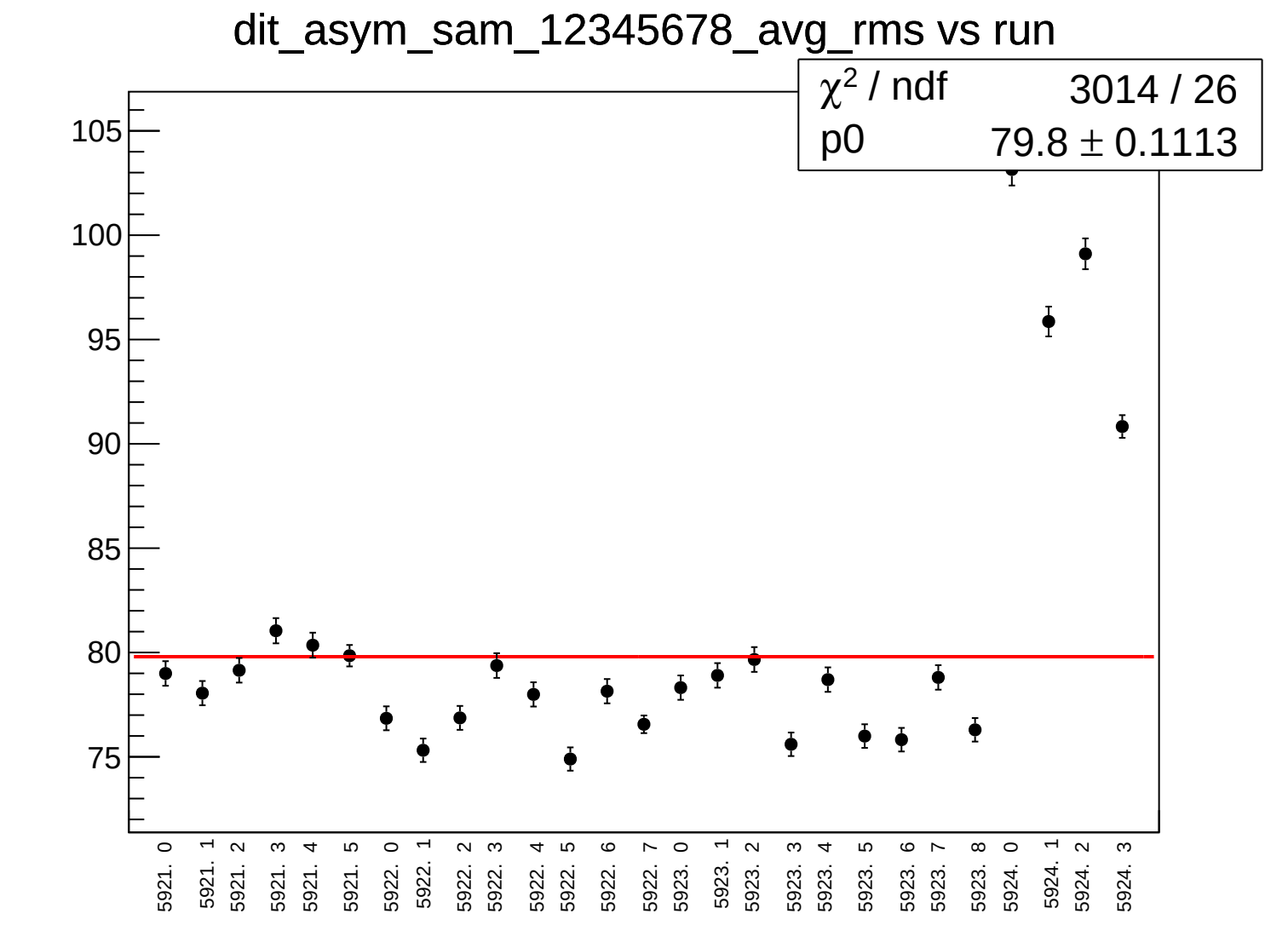

eigen_cor_asym_sam_12345678_avg_rms vs run
χ² / ndf 748.1 / 26
p0 72.73 ± 0.1012
90
85
80
75
70
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

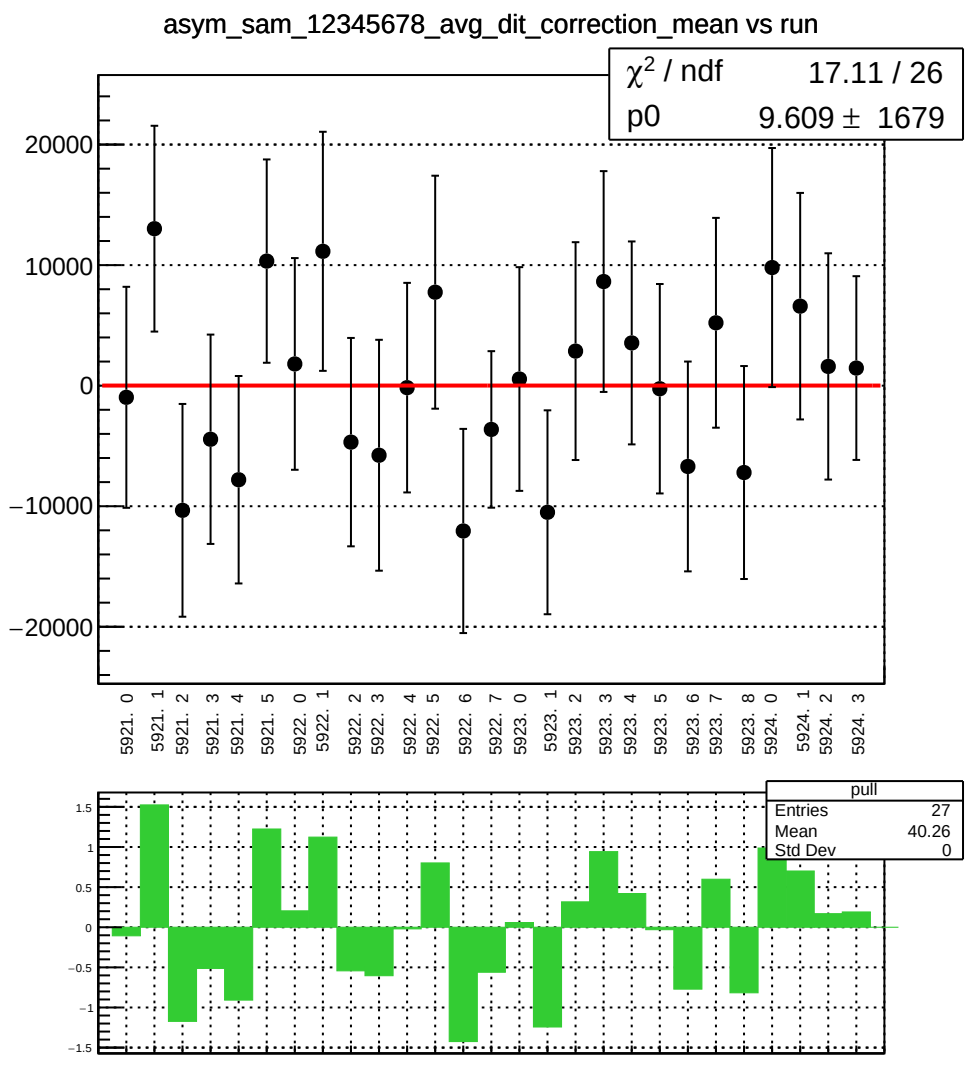

asym_sam_12345678_avg_eigen_cor_correction_mean vs run
χ² / ndf 17.16 / 26
p0 −10.71± 1664
20000
10000
0
−10000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 37.06
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

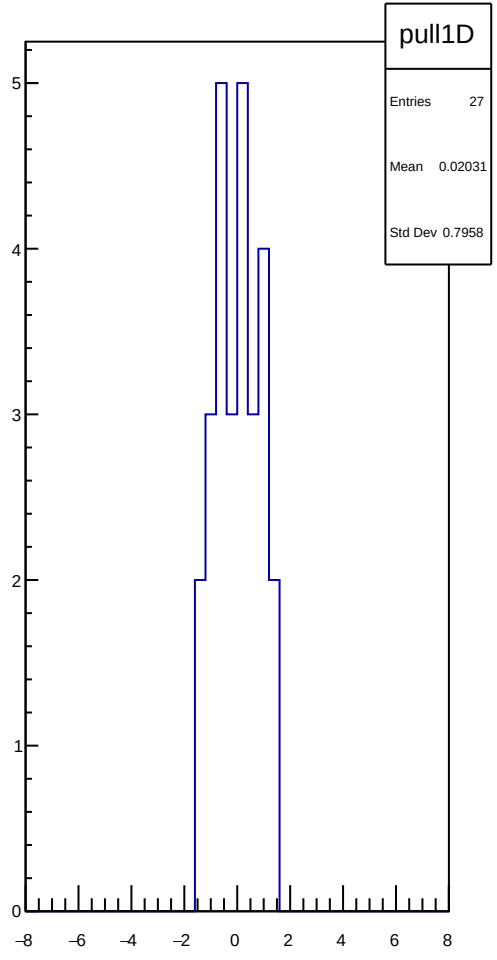

pull1D
Entries 27
Mean 0.02289
Std Dev 0.7969
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

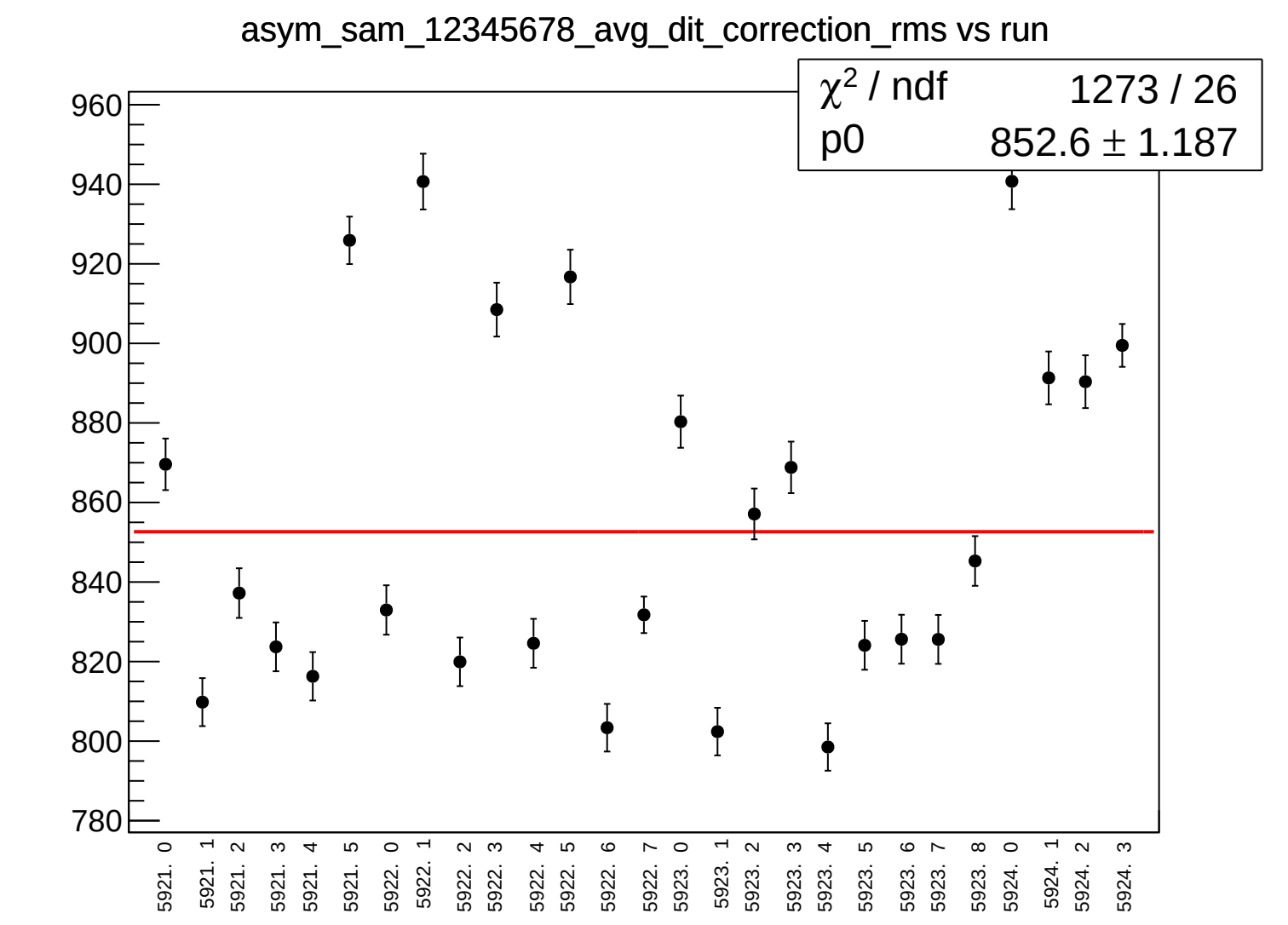

asym_sam_12345678_avg_eigen_cor_correction_rms vs run
χ² / ndf 1544 / 26
p0 845 ± 1.177
980
960
940
920
900
880
860
840
820
800
780
760
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

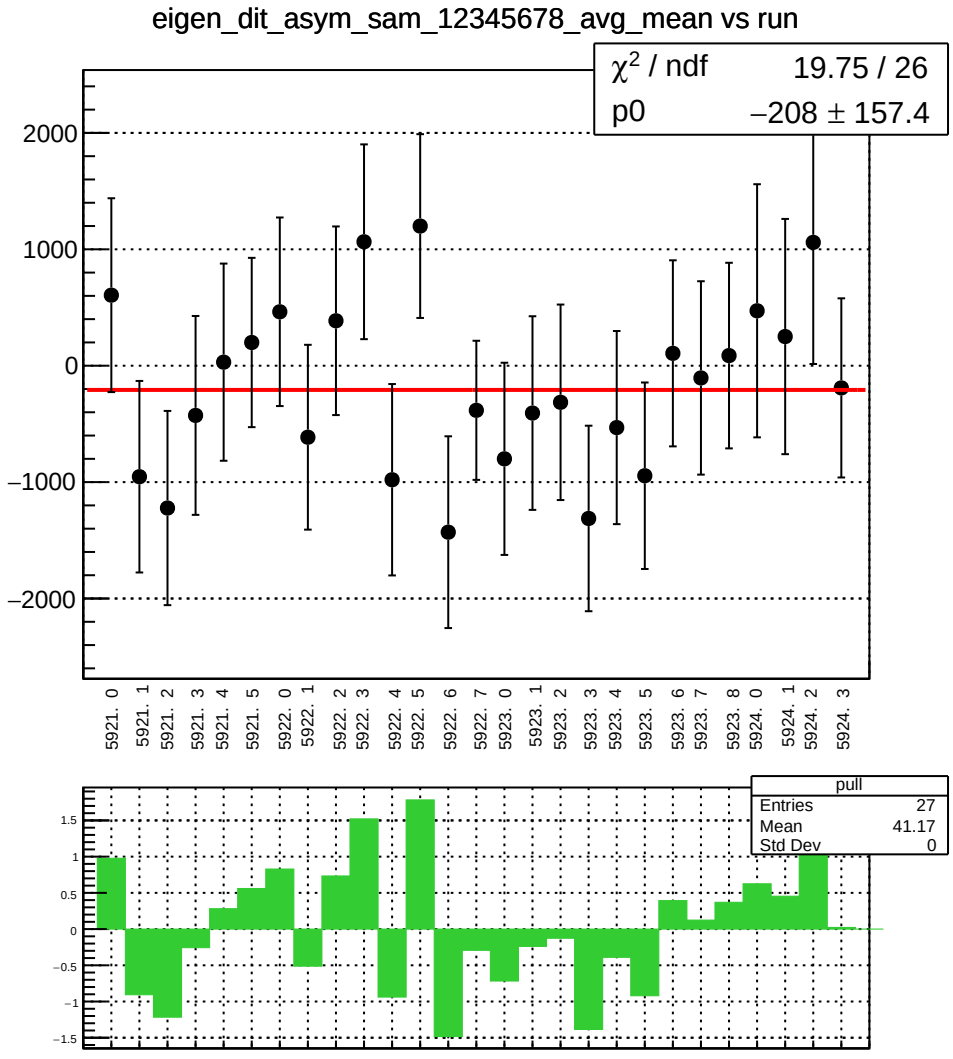

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 19.75 / 26
p0 −208 ± 157.4
2000
1000
0
−1000
−2000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 41.17
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.01864
Std Dev 0.855
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

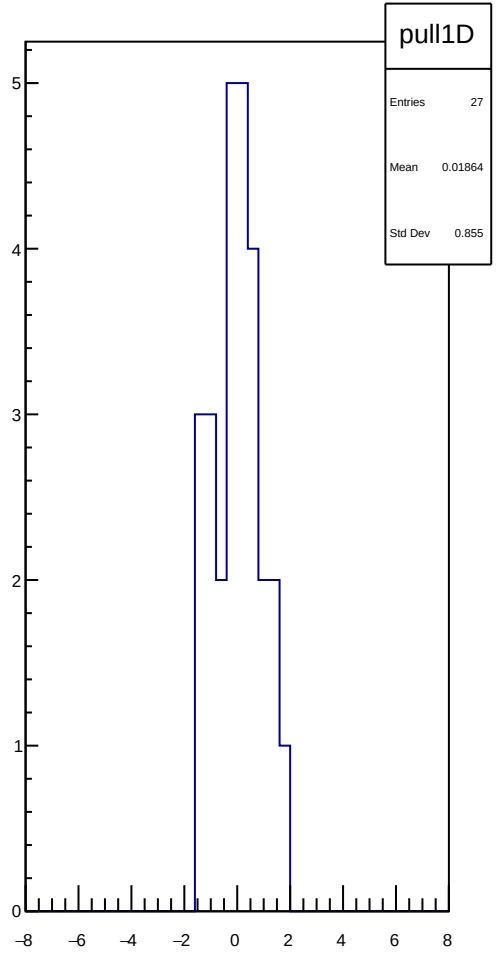

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 3014 / 26
p0 79.8 ± 0.1113
105
100
95
90
85
80
75
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

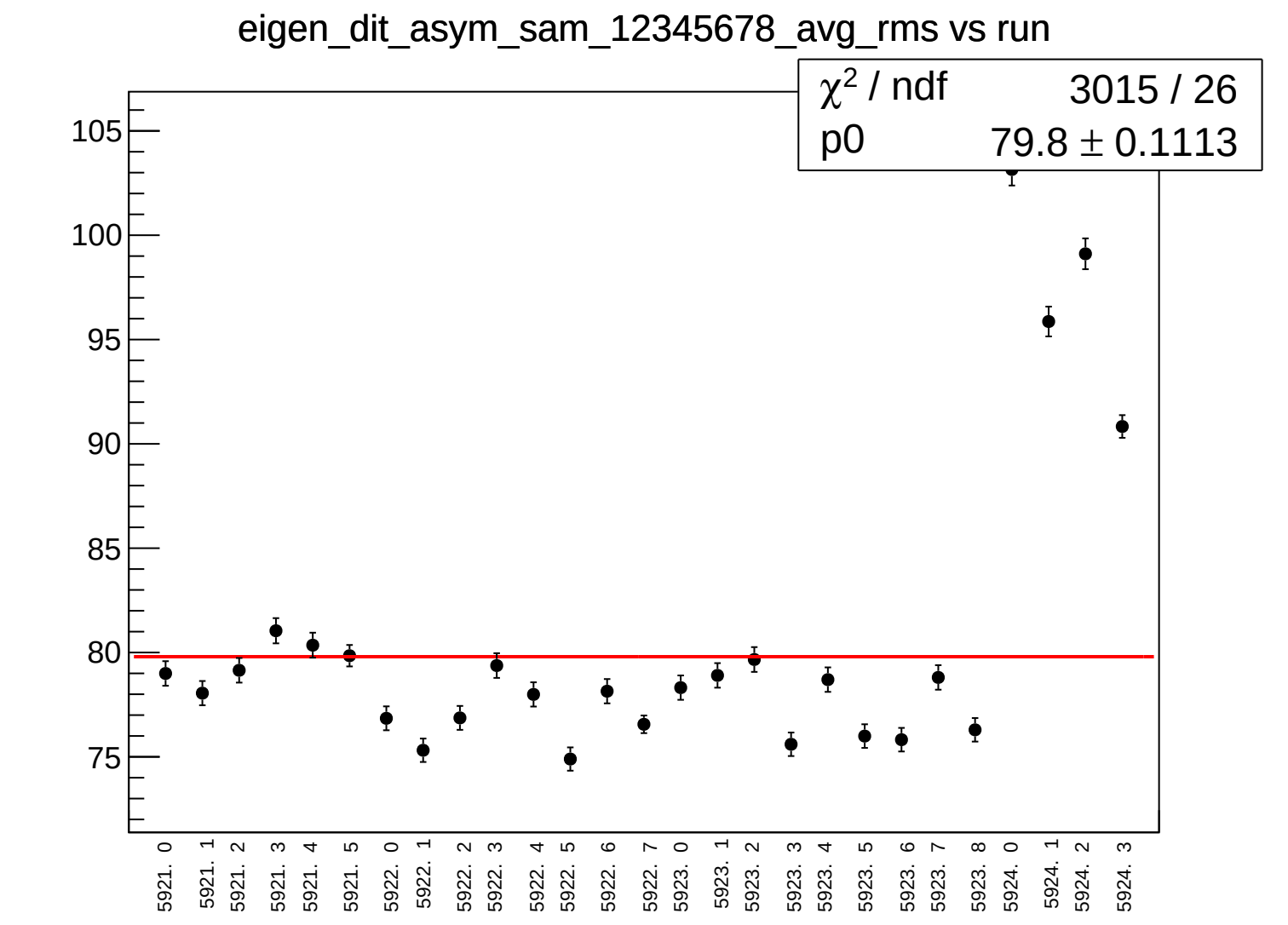

asym_sam_12345678_avg_dit_correction_mean vs run
χ² / ndf 17.11 / 26
p0 9.609 ± 1679
20000
10000
0
−10000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 40.26
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 27
Mean 0.02031
Std Dev 0.7958
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_12345678_avg_dit_correction_rms vs run
χ² / ndf 1273 / 26
p0 852.6 ± 1.187
960
940
920
900
880
860
840
820
800
780
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3


eigen_dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 19.75 / 26
p0 −208 ± 157.4
2000
1000
0
−1000
−2000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 41.17
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 27
Mean 0.01864
Std Dev 0.855
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 3015 / 26
p0 79.8 ± 0.1113
105
100
95
90
85
80
75
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
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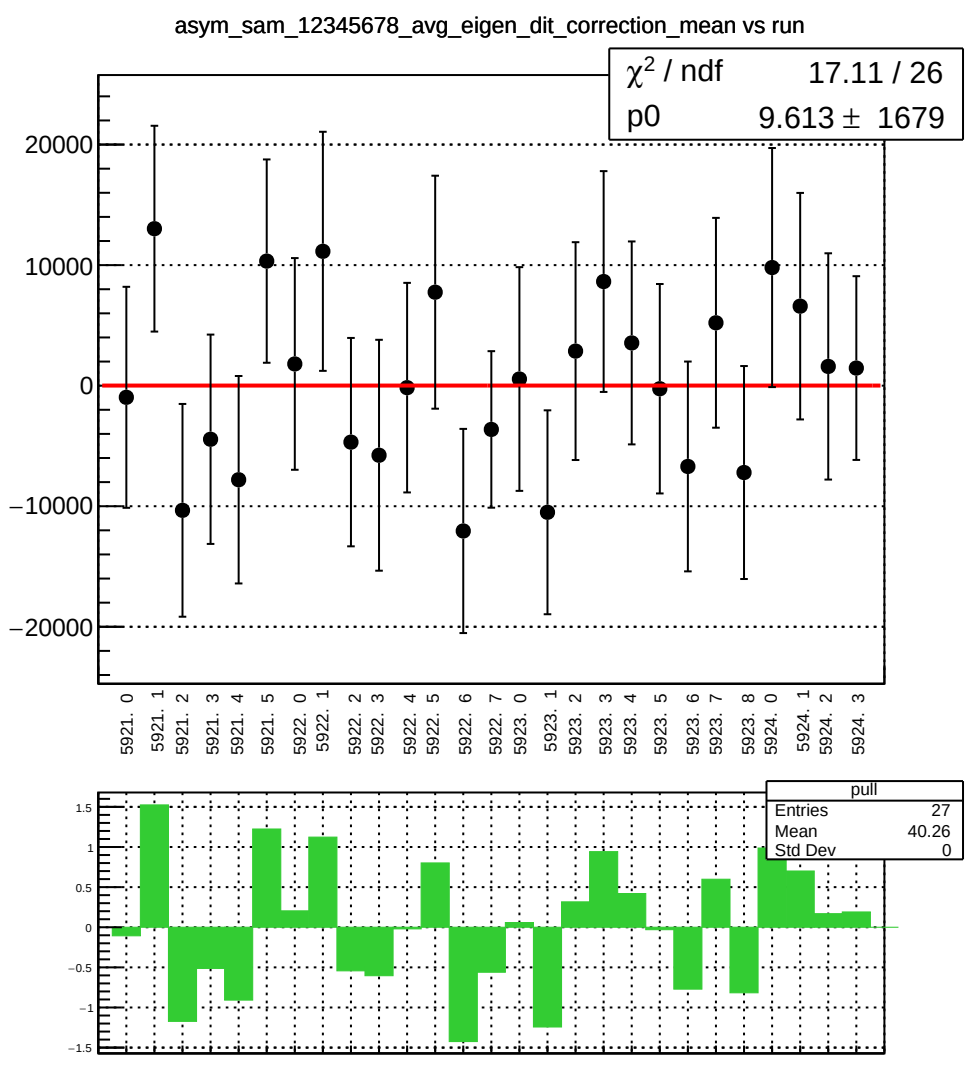
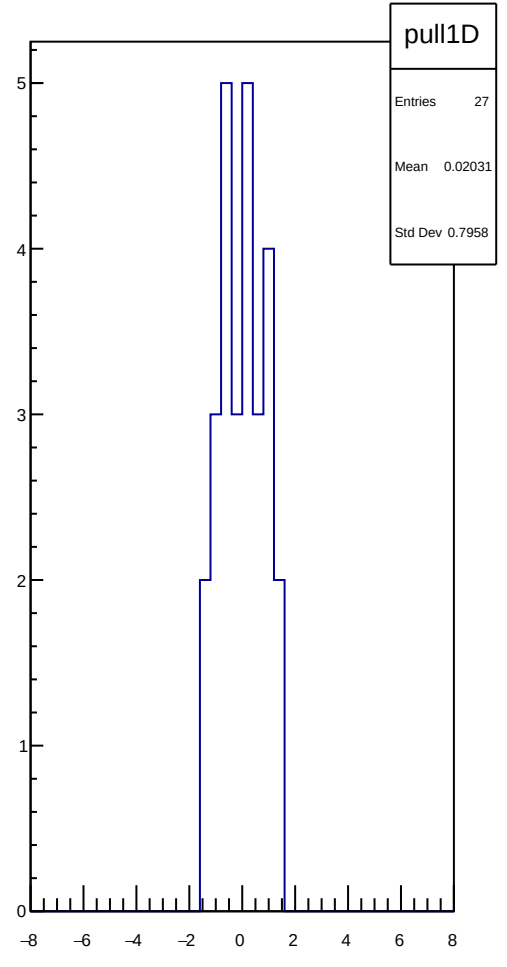
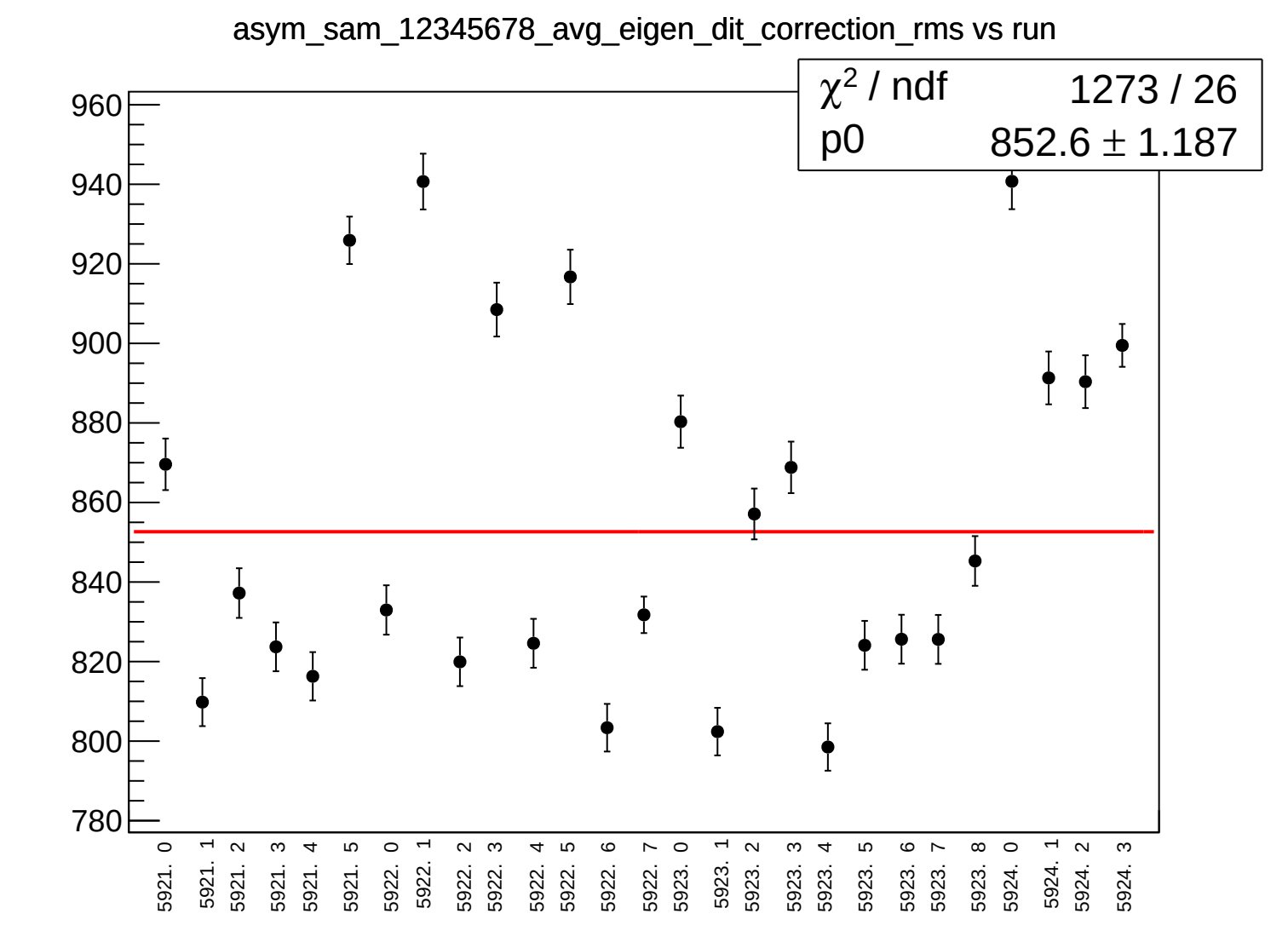
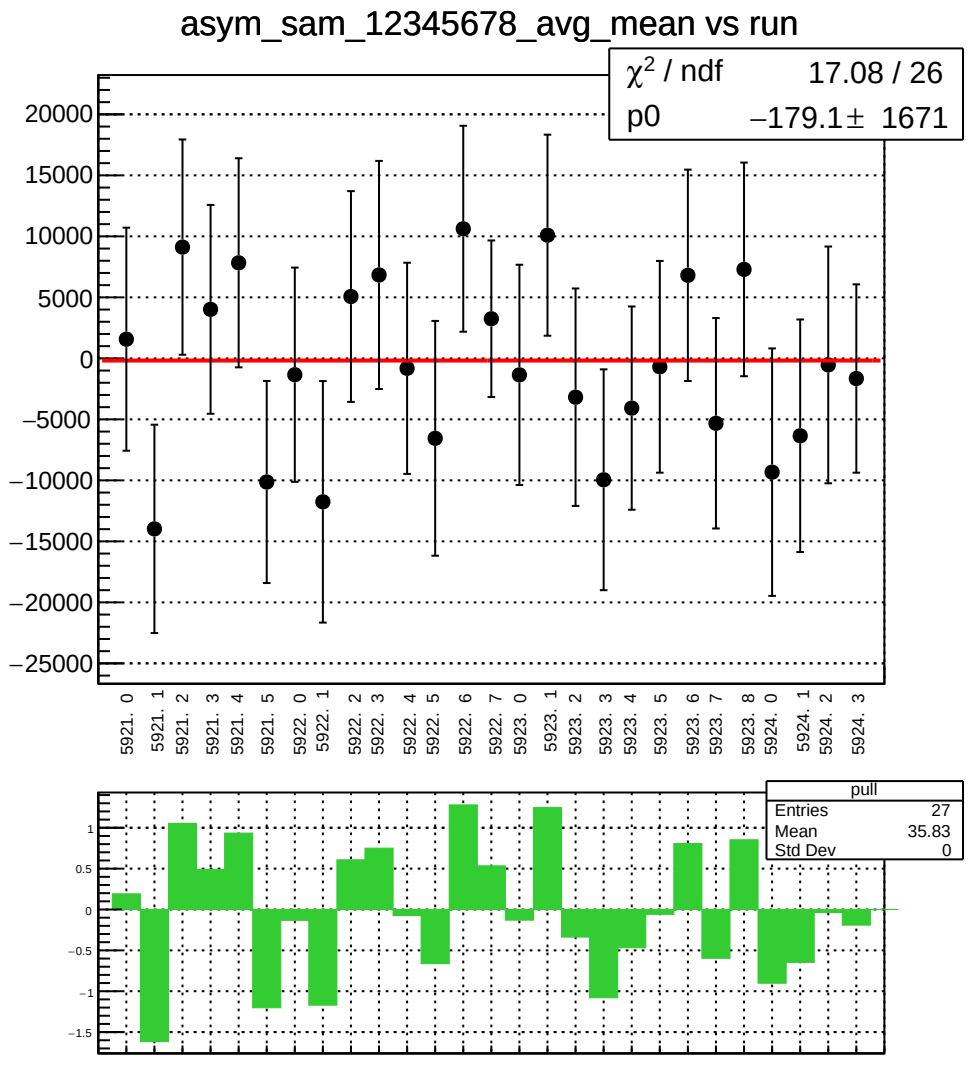
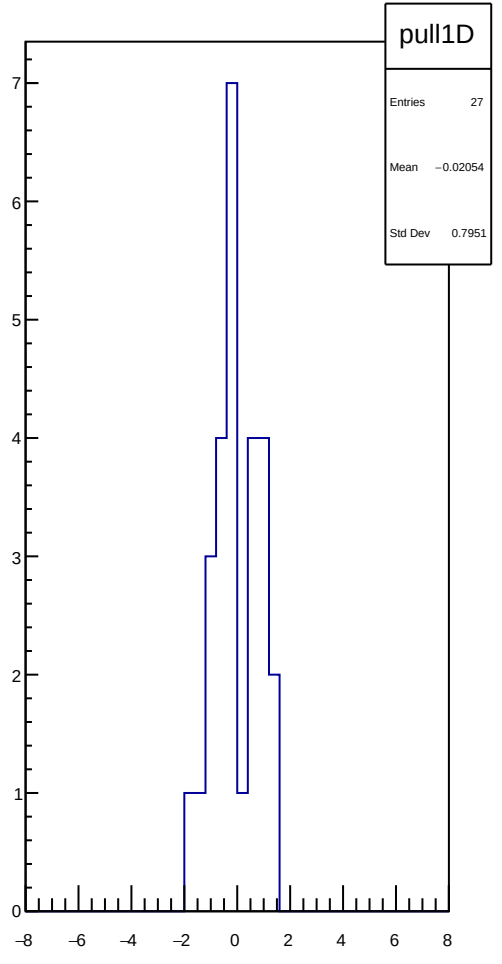
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

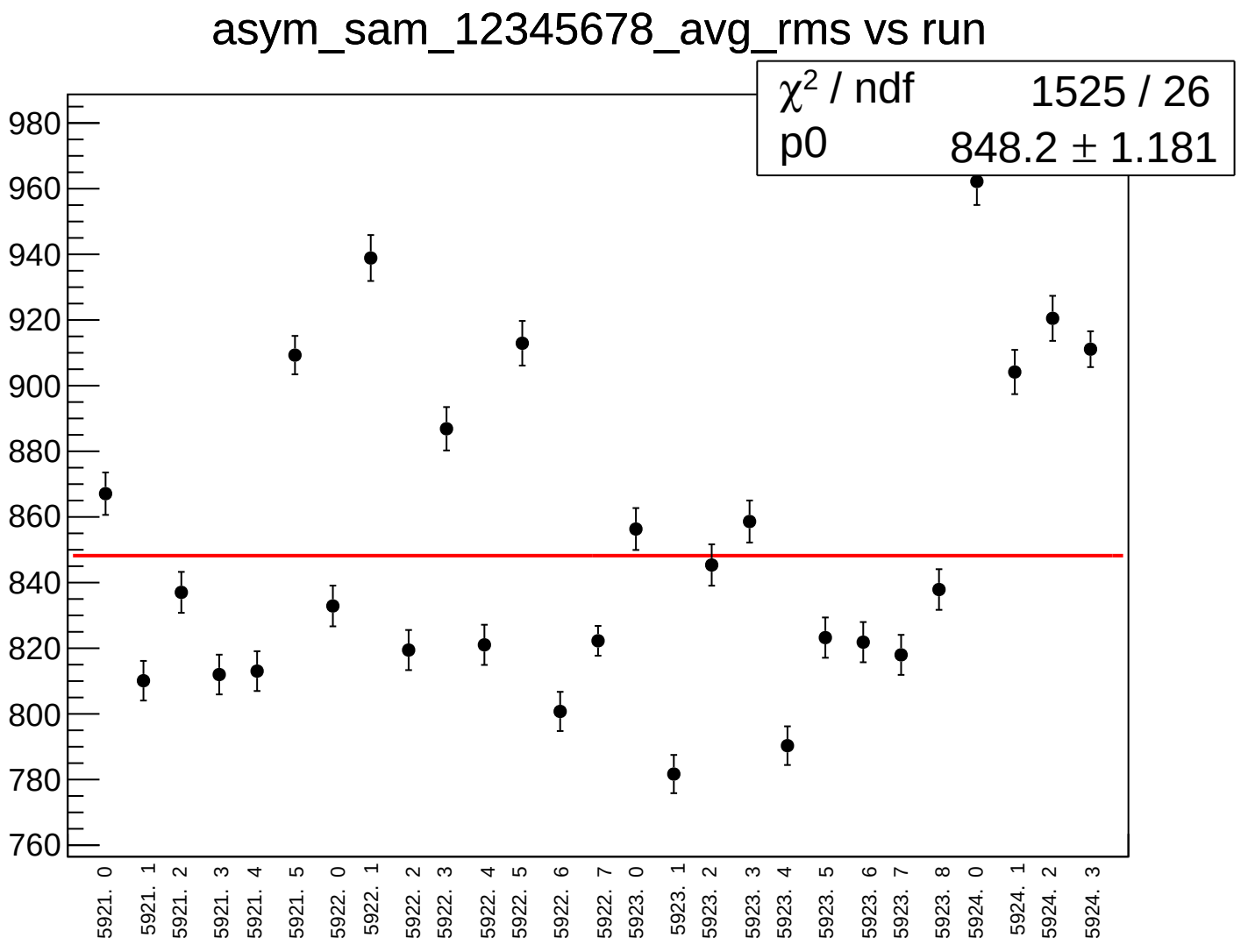

asym_sam_12345678_avg_eigen_dit_correction_mean vs run
χ² / ndf 17.11 / 26
p0 9.613 ± 1679
20000
10000
0
−10000
−20000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 40.26
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

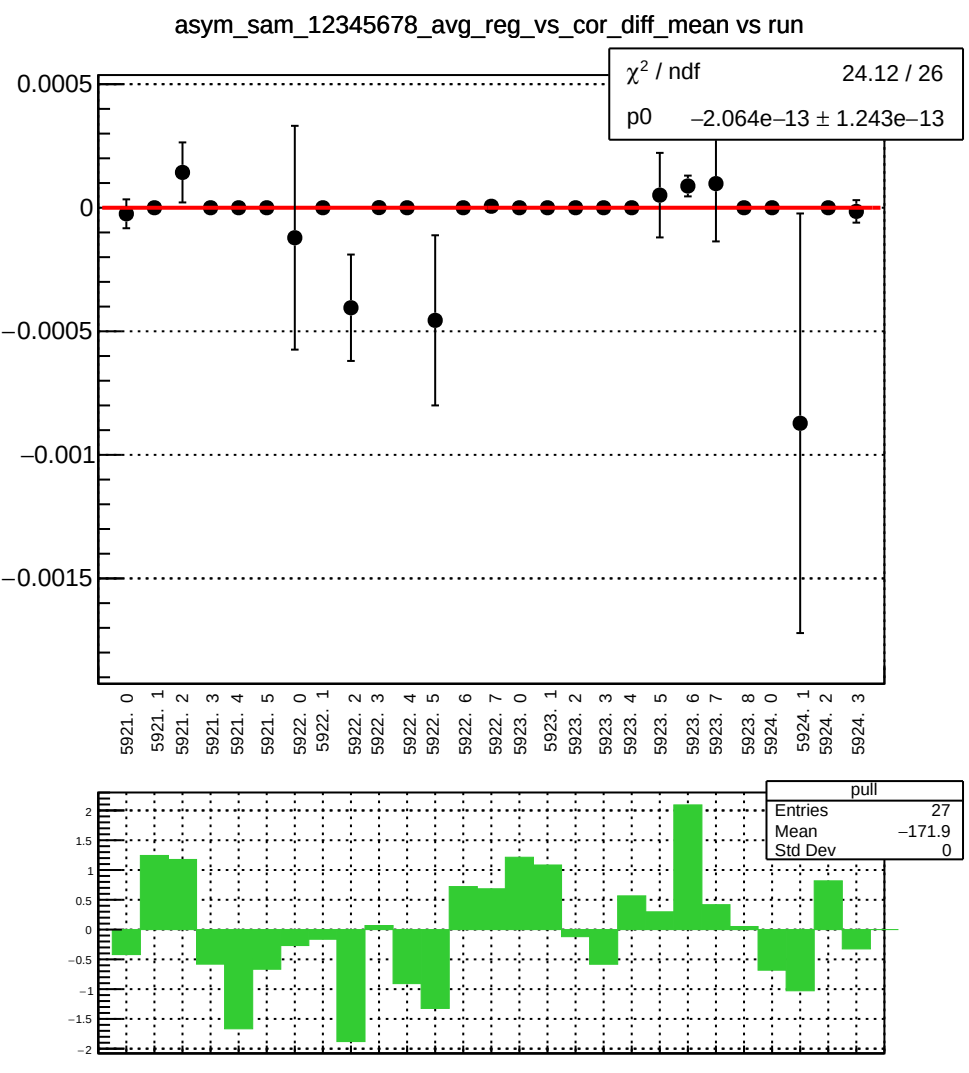

pull1D
Entries 27
Mean 0.02031
Std Dev 0.7958
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

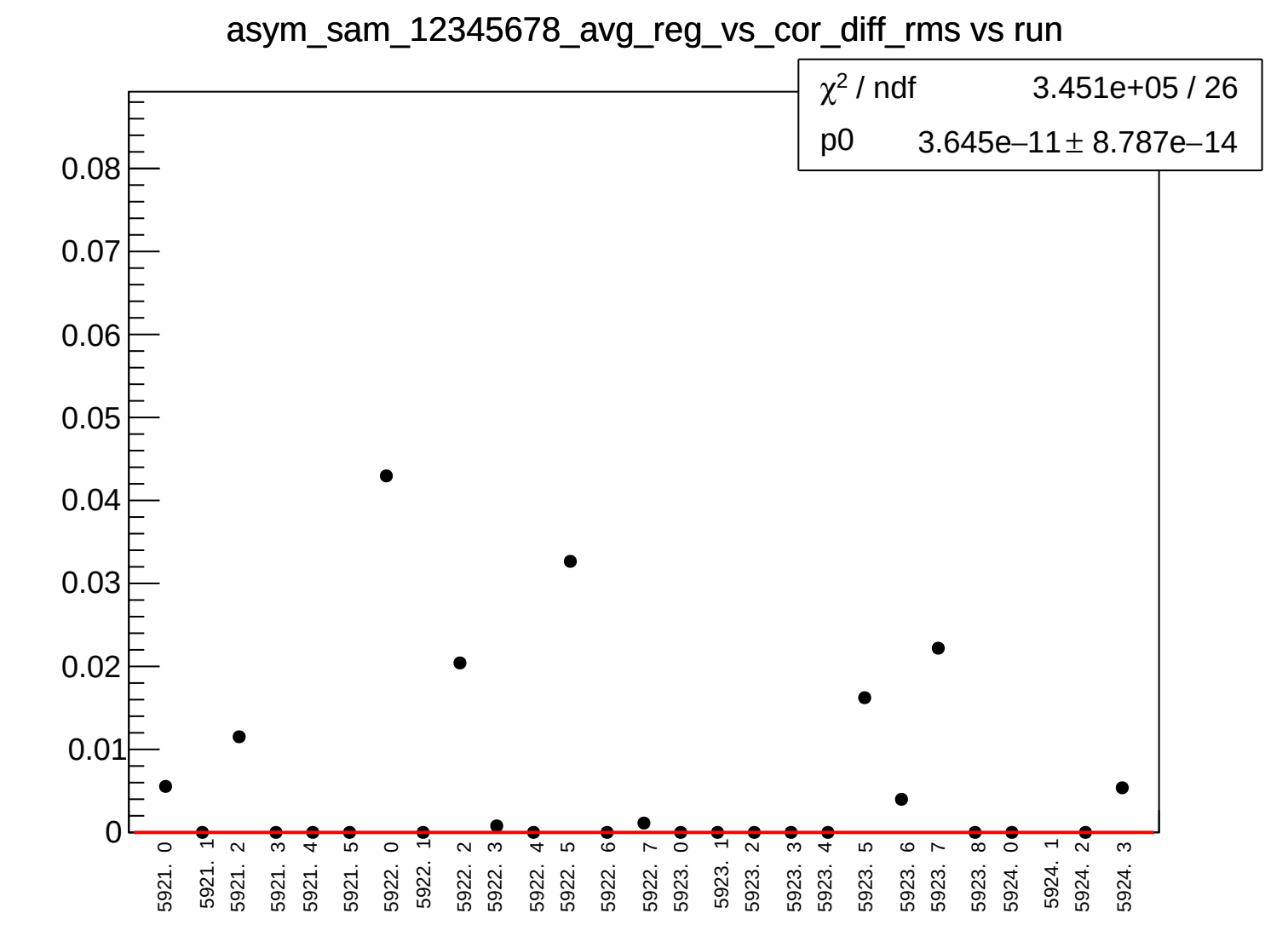

asym_sam_12345678_avg_eigen_dit_correction_rms vs run
χ² / ndf 1273 / 26
p0 852.6 ± 1.187
960
940
920
900
880
860
840
820
800
780
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

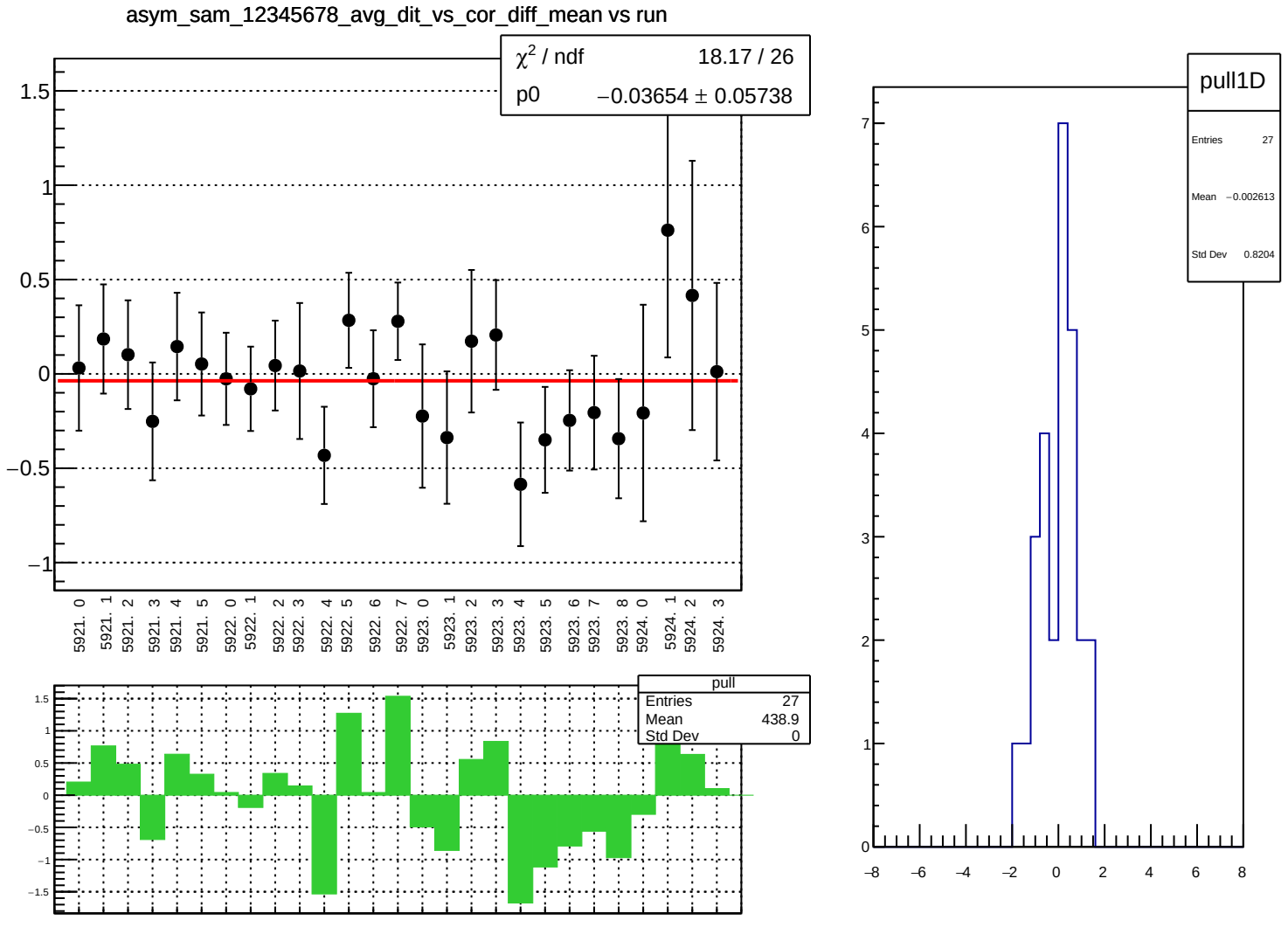

asym_sam_12345678_avg_mean vs run
χ² / ndf 17.08 / 26
p0 −179.1± 1671
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 35.83
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

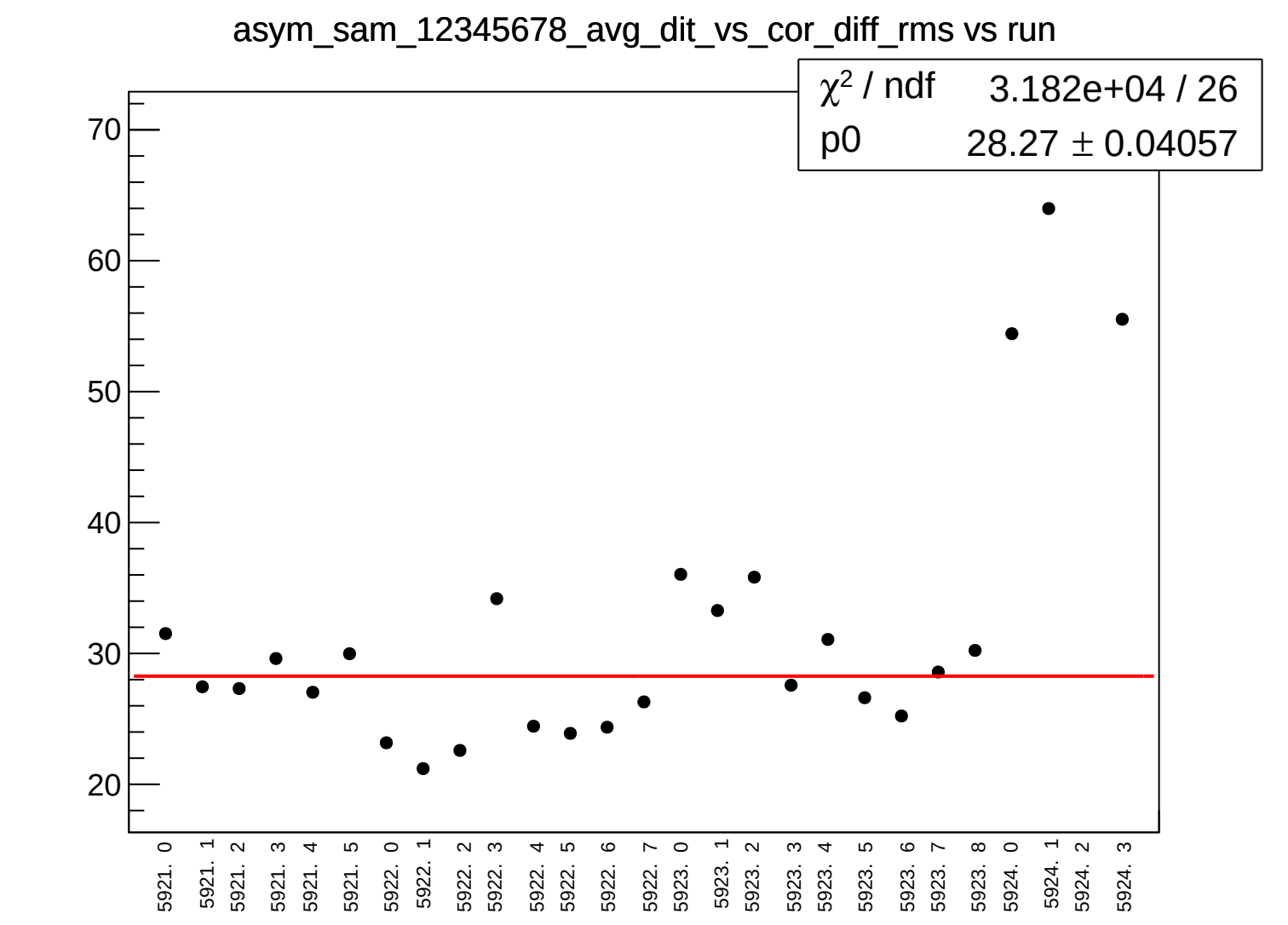

pull1D
Entries 27
Mean −0.02054
Std Dev 0.7951
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

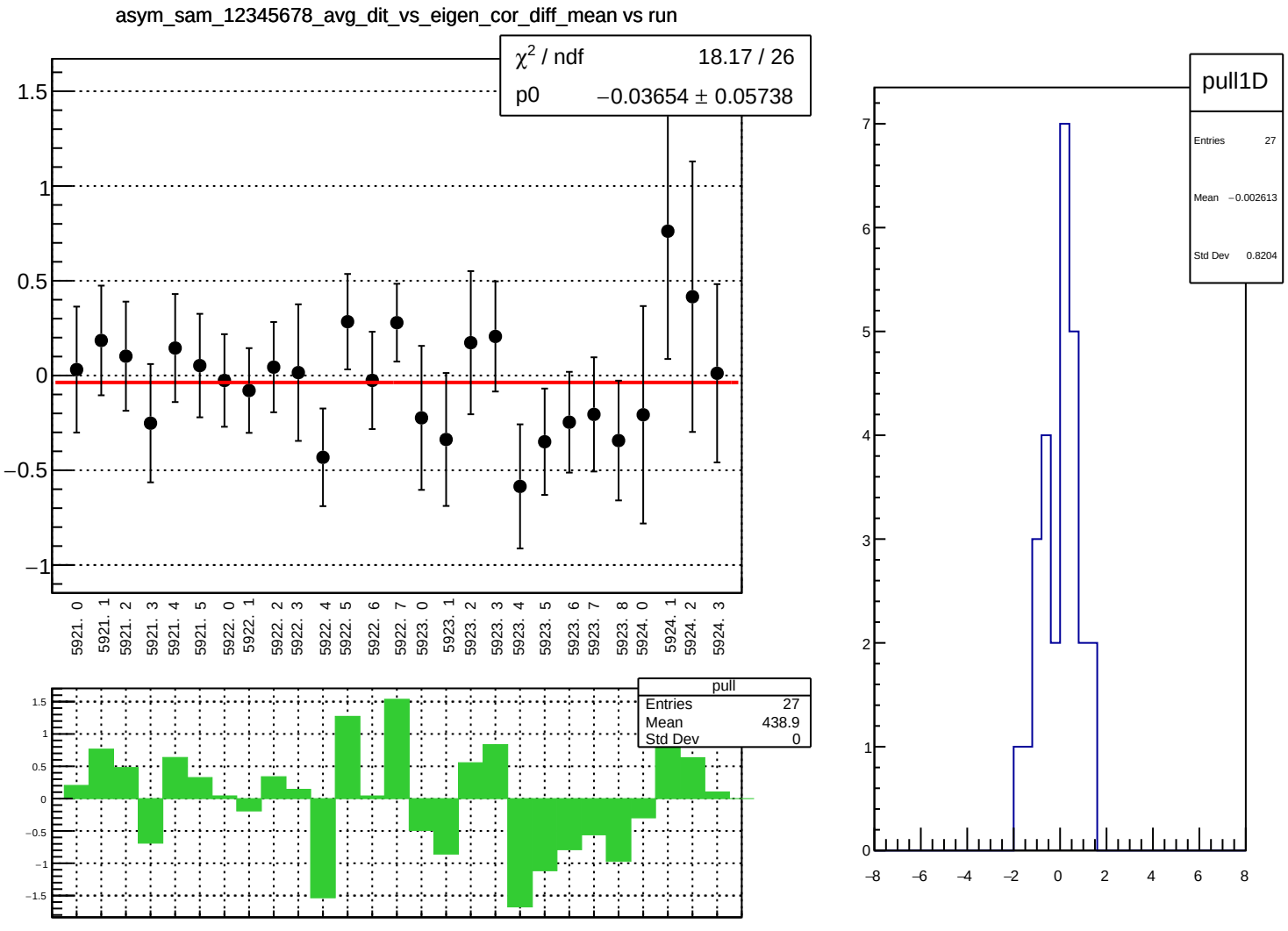

asym_sam_12345678_avg_rms vs run
χ² / ndf 1525 / 26
p0 848.2 ± 1.181
980
960
940
920
900
880
860
840
820
800
780
760
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

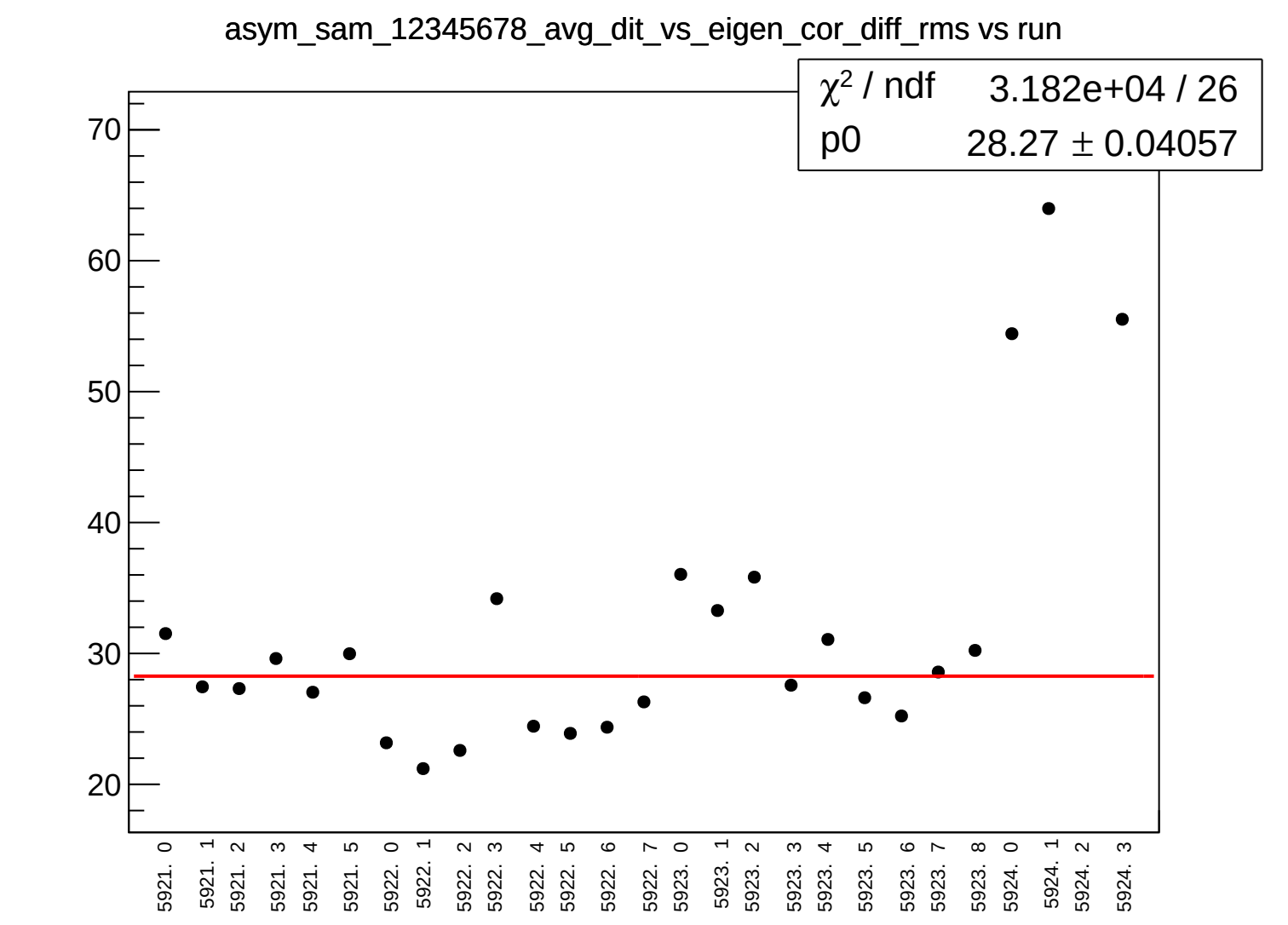

asym_sam_12345678_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 24.12 / 26
p0 −2.064e−13 ± 1.243e−13
0.0005
0
−0.0005
−0.001
−0.0015
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −171.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.006308
Std Dev 0.9452
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

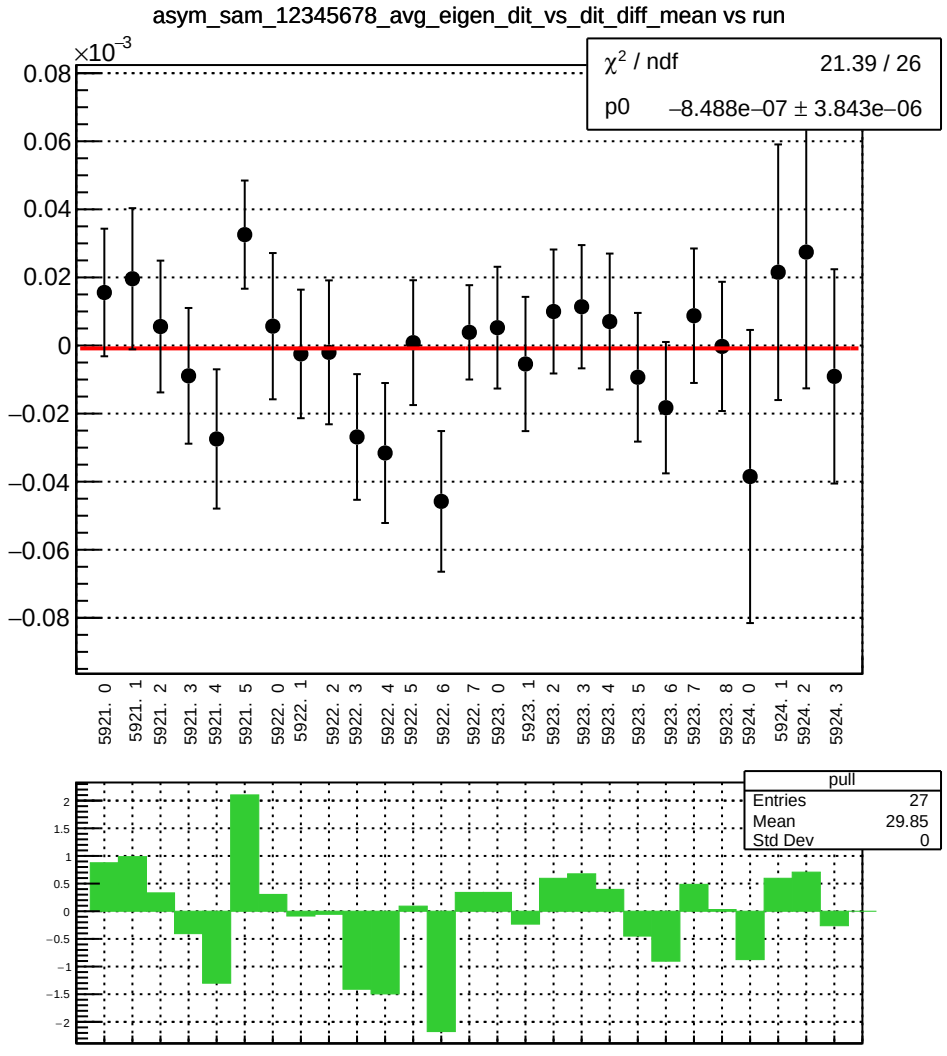

asym_sam_12345678_avg_reg_vs_cor_diff_rms vs run
χ2 / ndf 3.451e+05 / 26
p0 3.645e−11 ± 8.787e−14
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

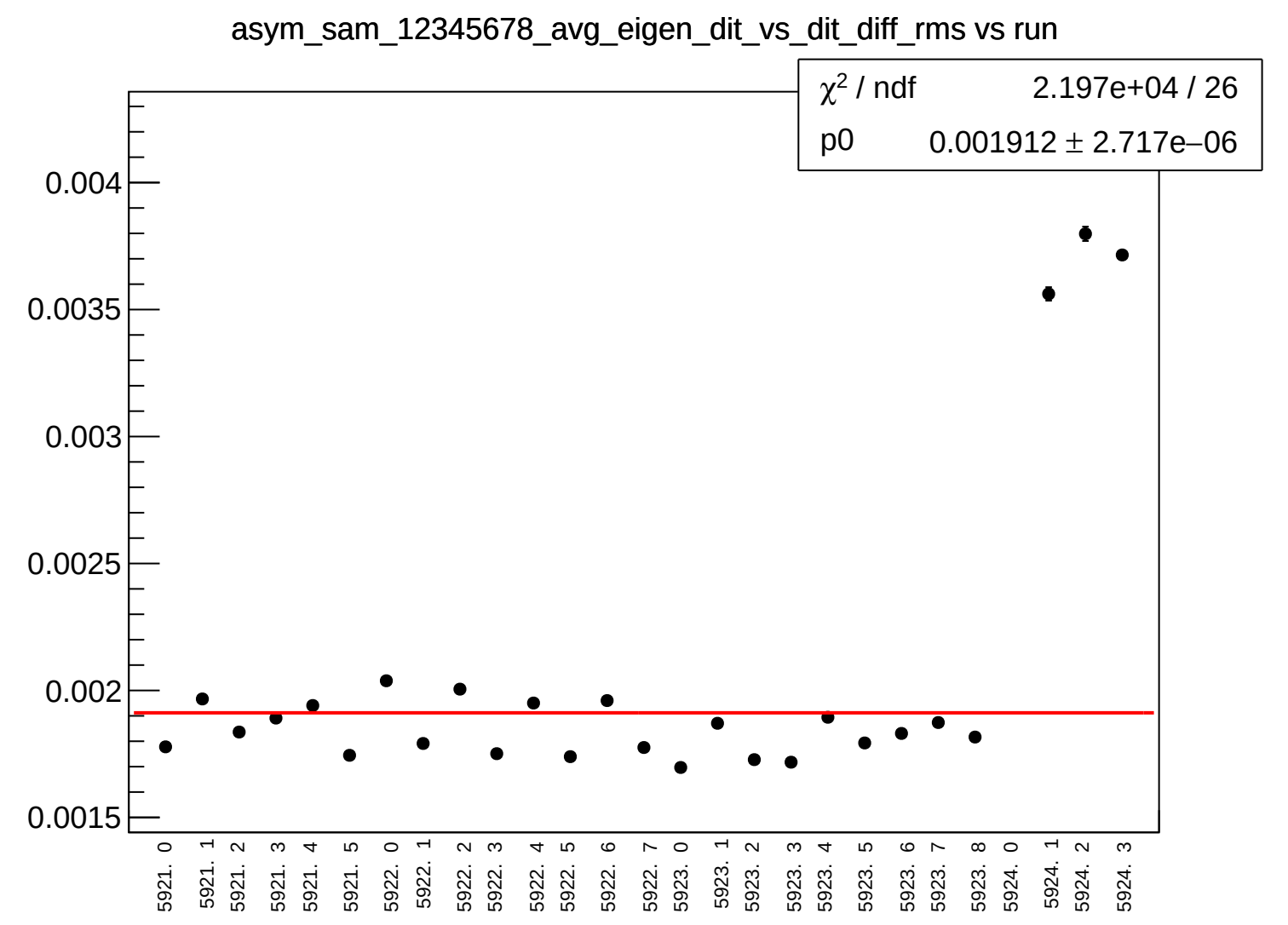

asym_sam_12345678_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 18.17 / 26
p0 −0.03654 ± 0.05738
1.5
1
0.5
0
−0.5
−1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 438.9
Std Dev 0
pull1D
Entries 27
Mean −0.002613
Std Dev 0.8204
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

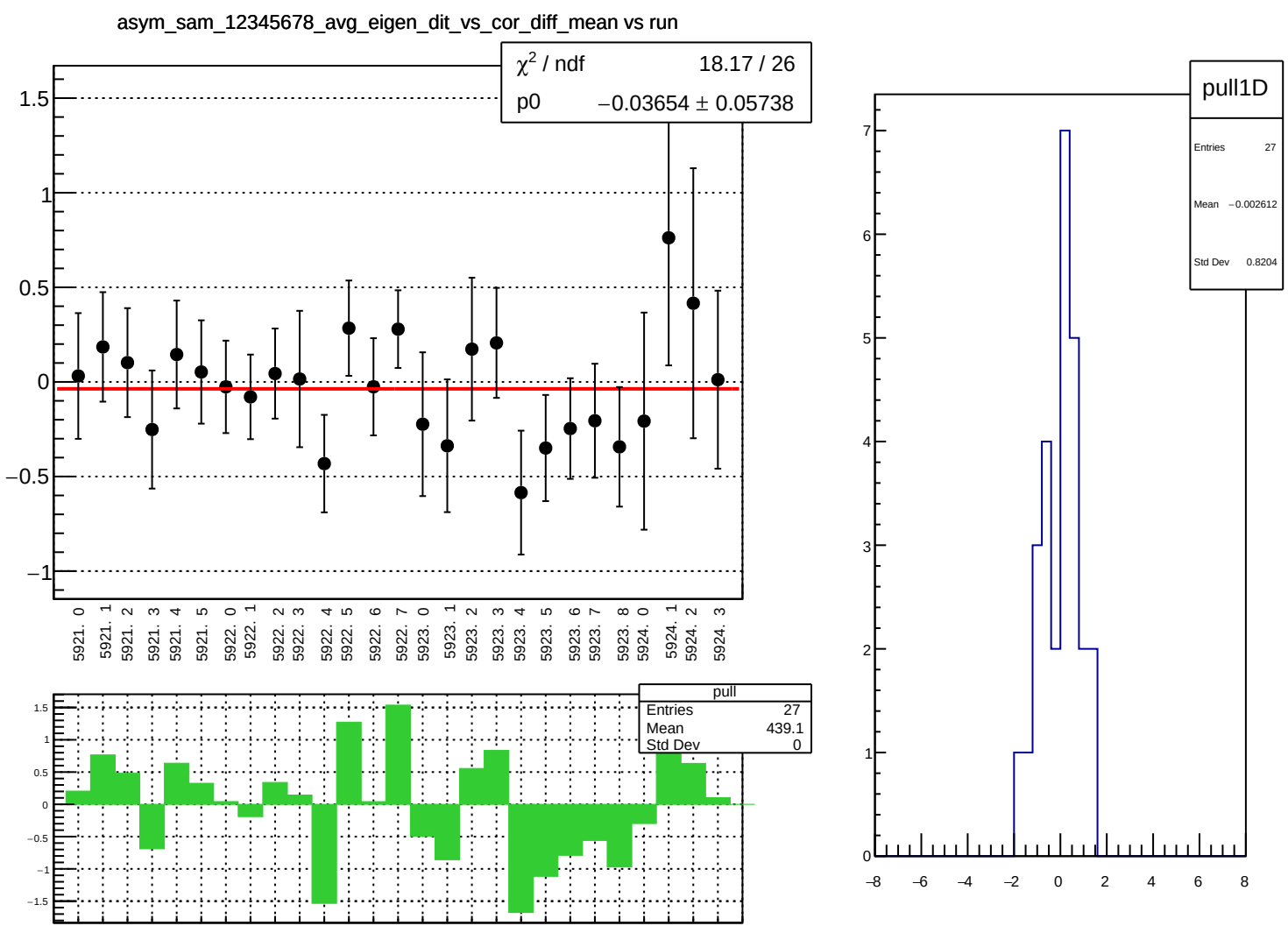

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.182e+04 / 26
p0 28.27 ± 0.04057
70
60
50
40
30
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

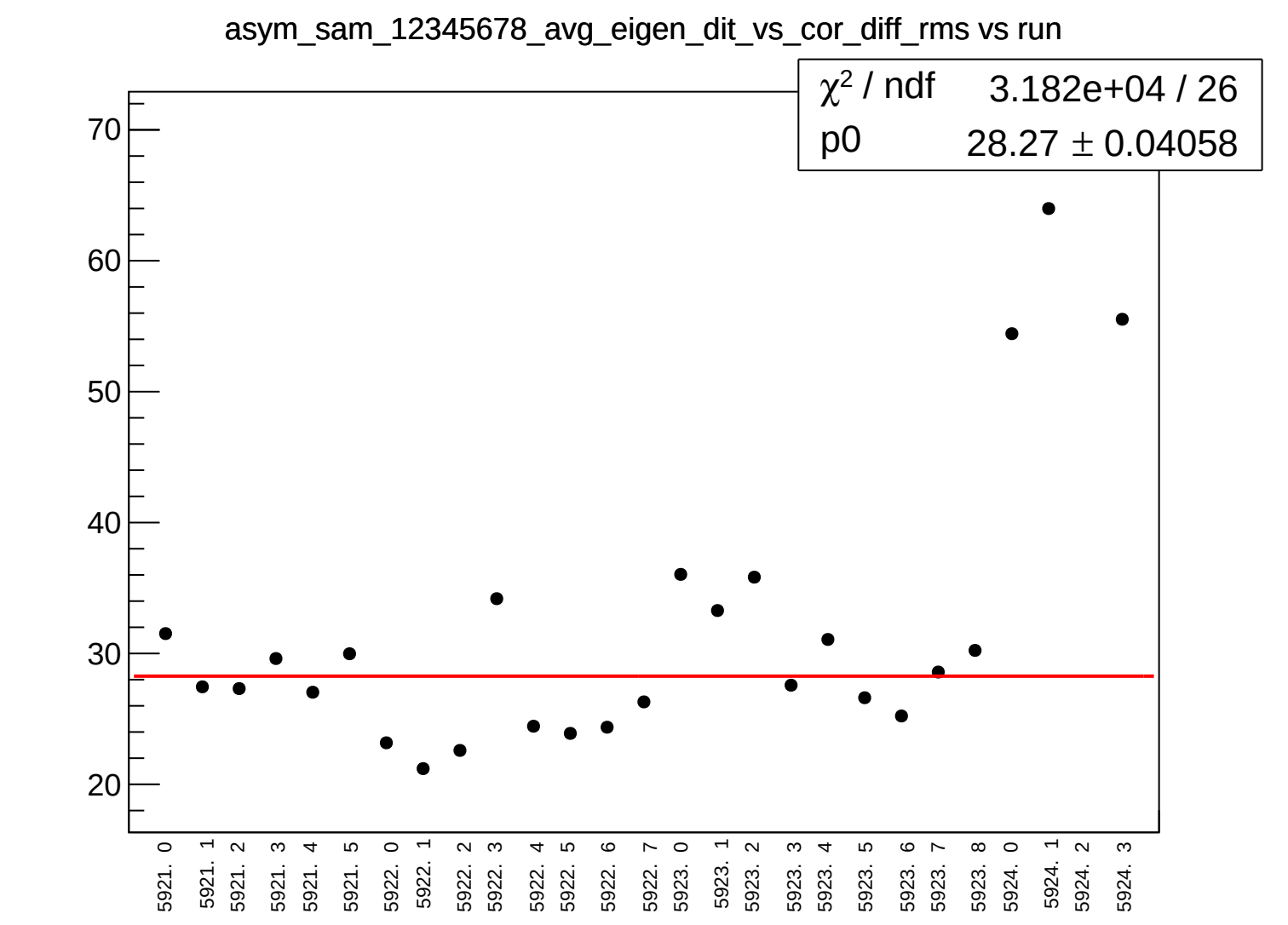

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 18.17 / 26
p0 −0.03654 ± 0.05738
1.5
1
0.5
0
−0.5
−1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 438.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.002613
Std Dev 0.8204
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

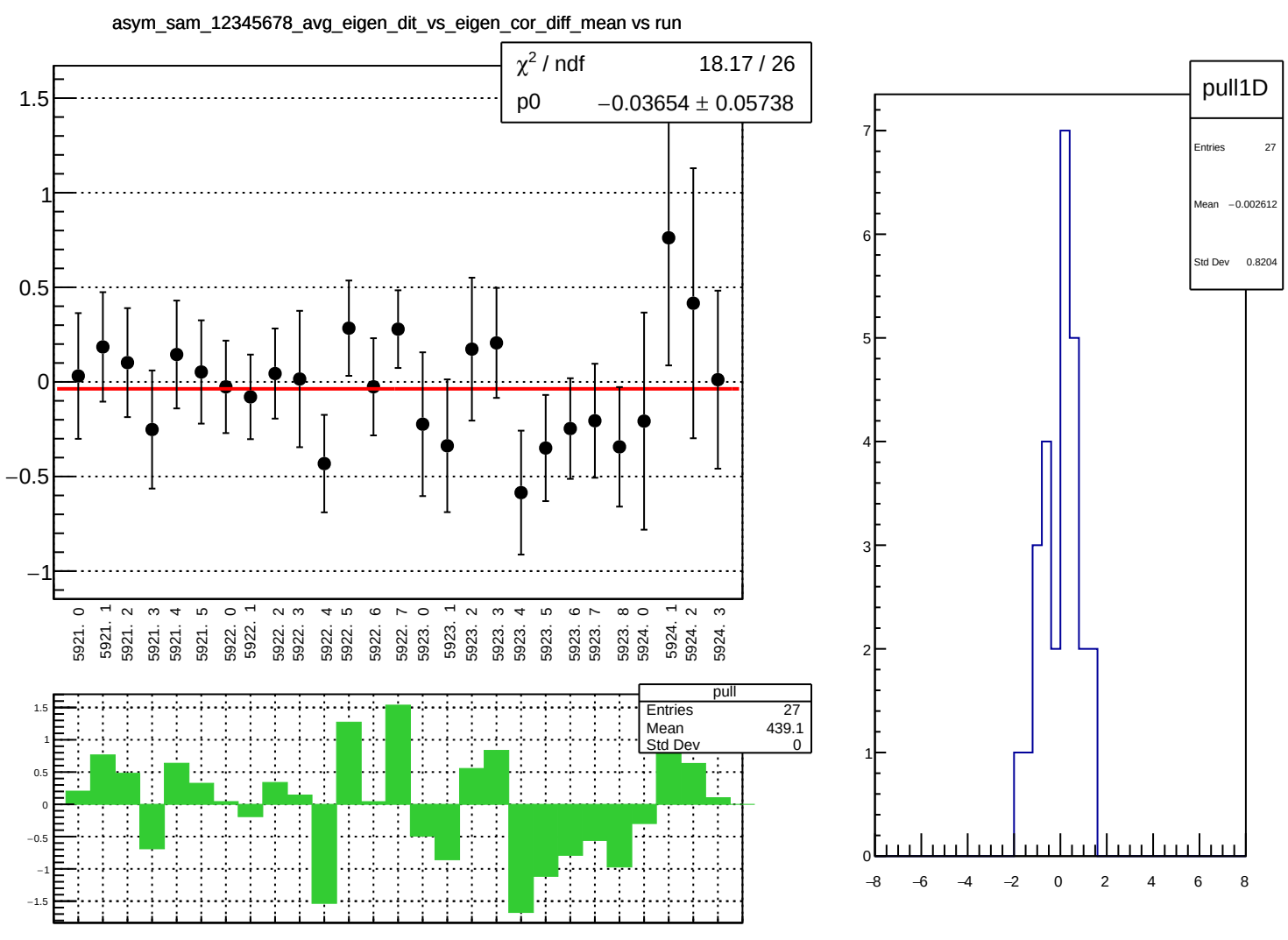

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.182e+04 / 26
p0 28.27 ± 0.04057
70
60
50
40
30
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

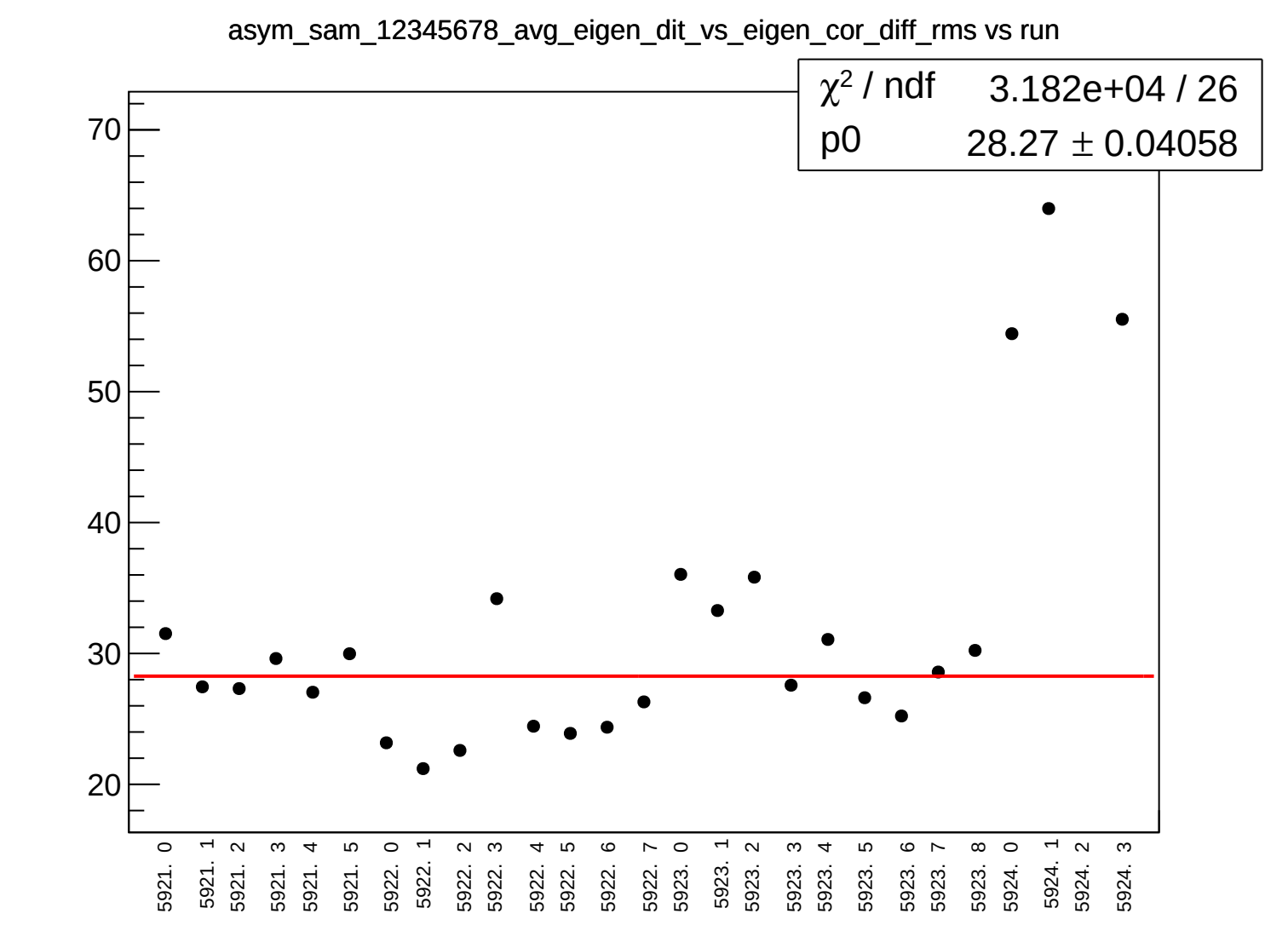

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 21.39 / 26
p0 −8.488e−07 ± 3.843e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 29.85
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.02898
Std Dev 0.8895
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

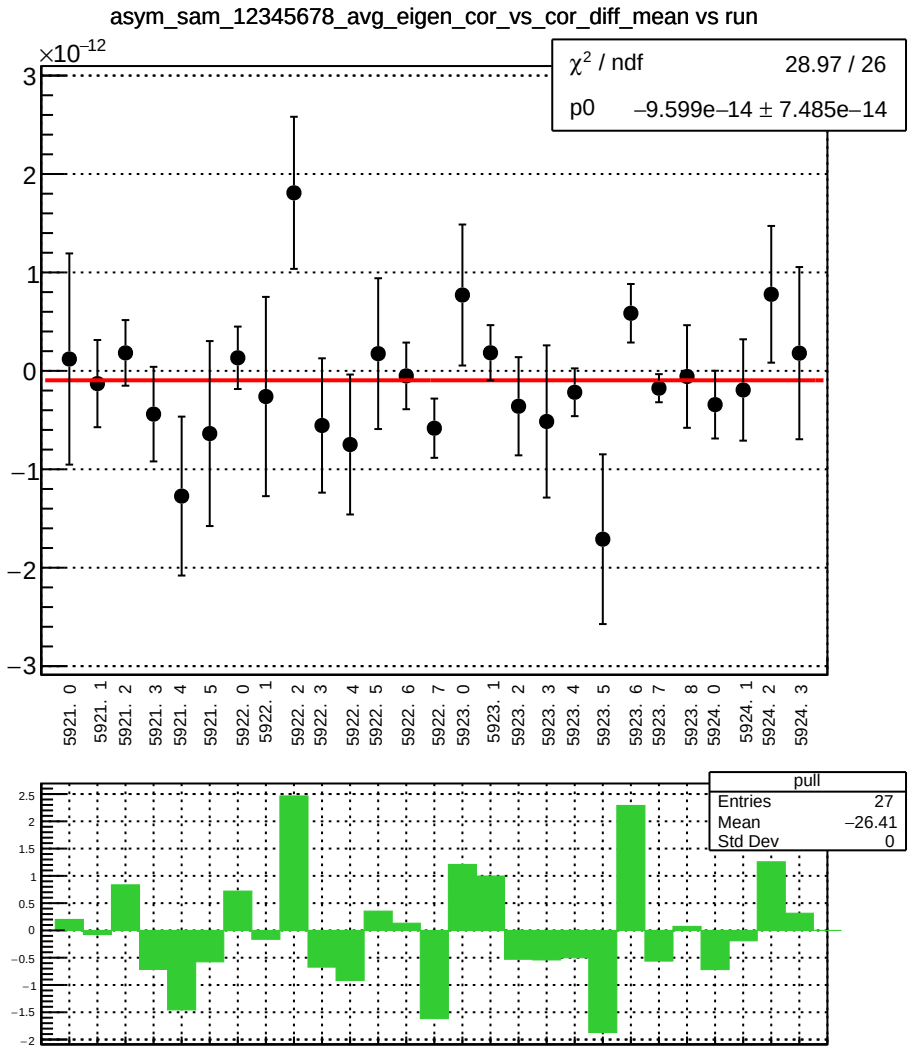

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.197e+04 / 26
p0 0.001912 ± 2.717e−06
0.004
0.0035
0.003
0.0025
0.002
0.0015
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

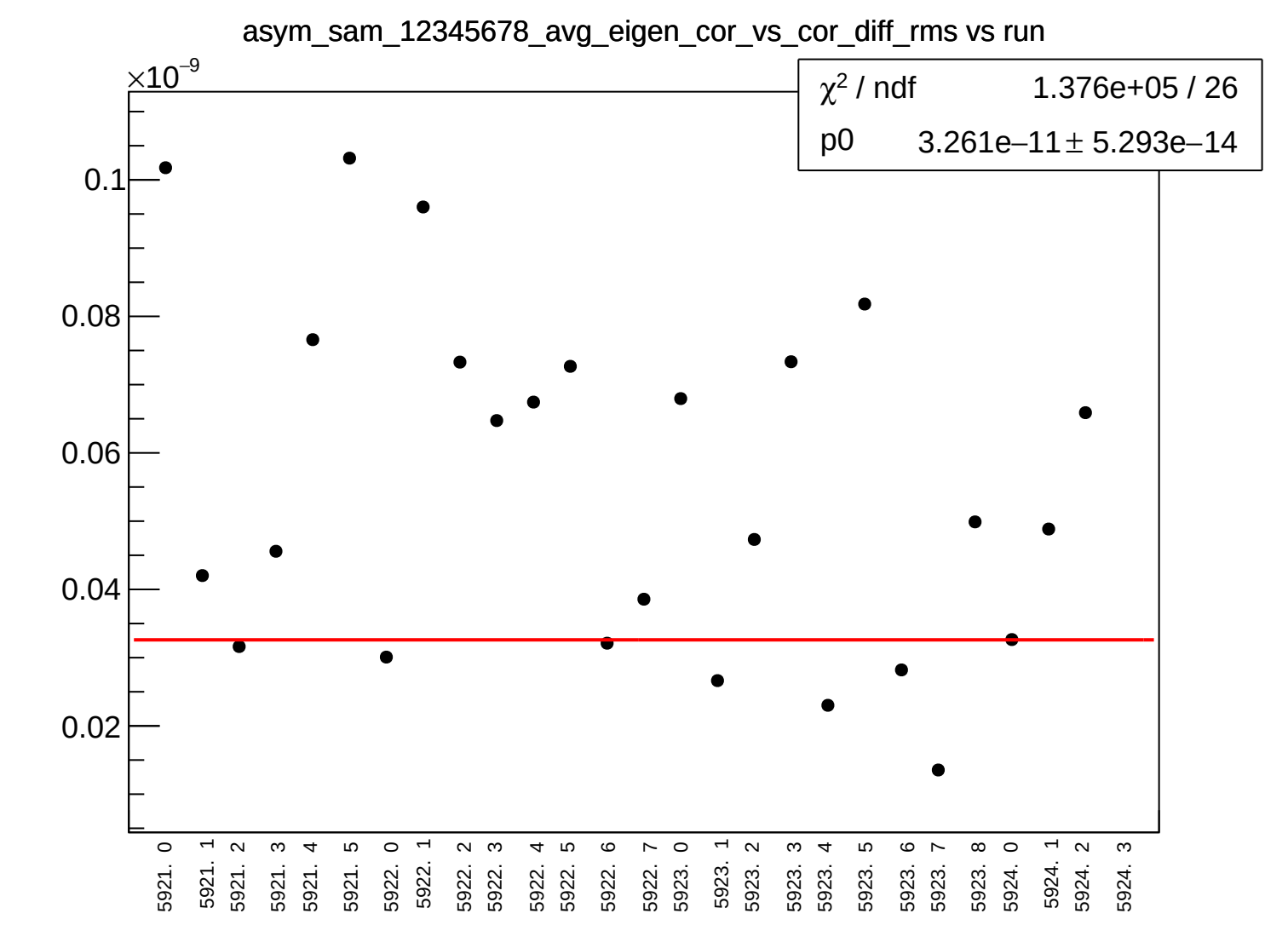

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 18.17 / 26
p0 −0.03654 ± 0.05738
1.5
1
0.5
0
−0.5
−1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 439.1
Std Dev 0
pull1D
Entries 27
Mean −0.002612
Std Dev 0.8204
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

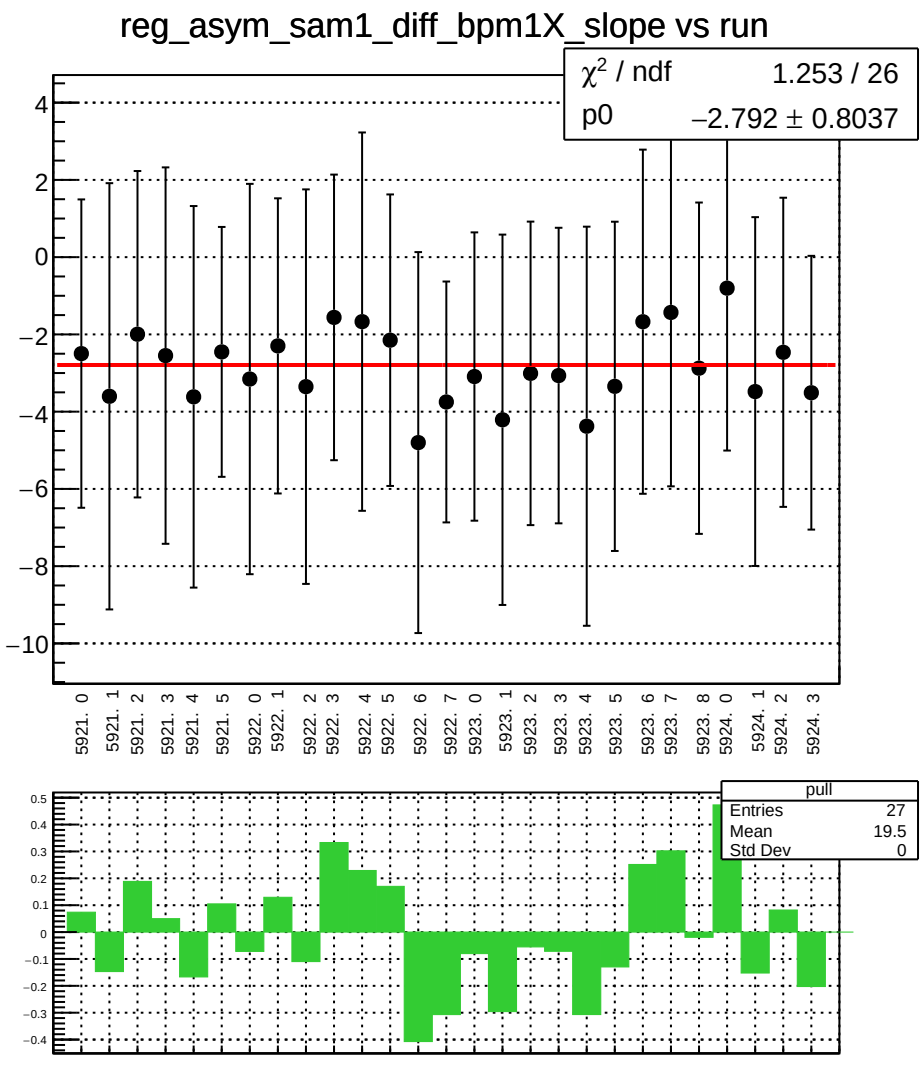

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.182e+04 / 26
p0 28.27 ± 0.04058
70
60
50
40
30
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

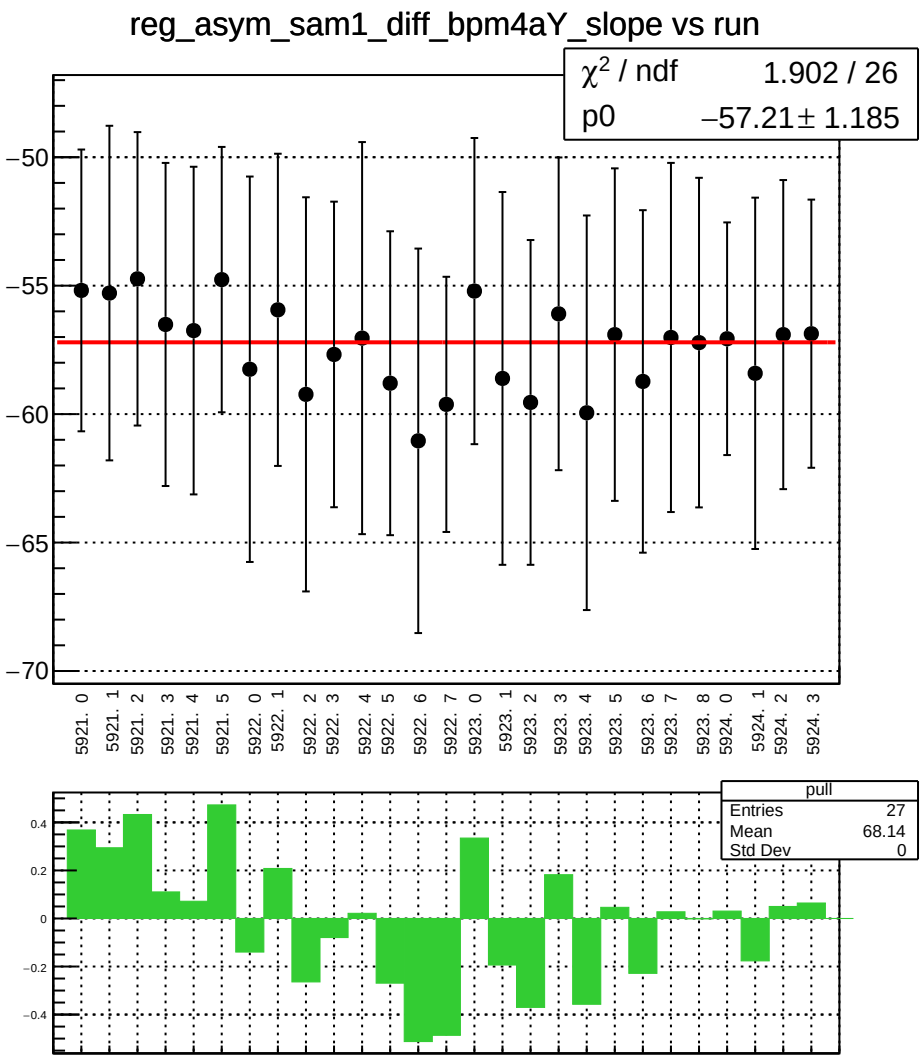

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 18.17 / 26
p0 −0.03654 ± 0.05738
1.5
1
0.5
0
−0.5
−1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 439.1
Std Dev 0
pull1D
Entries 27
Mean −0.002612
Std Dev 0.8204
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

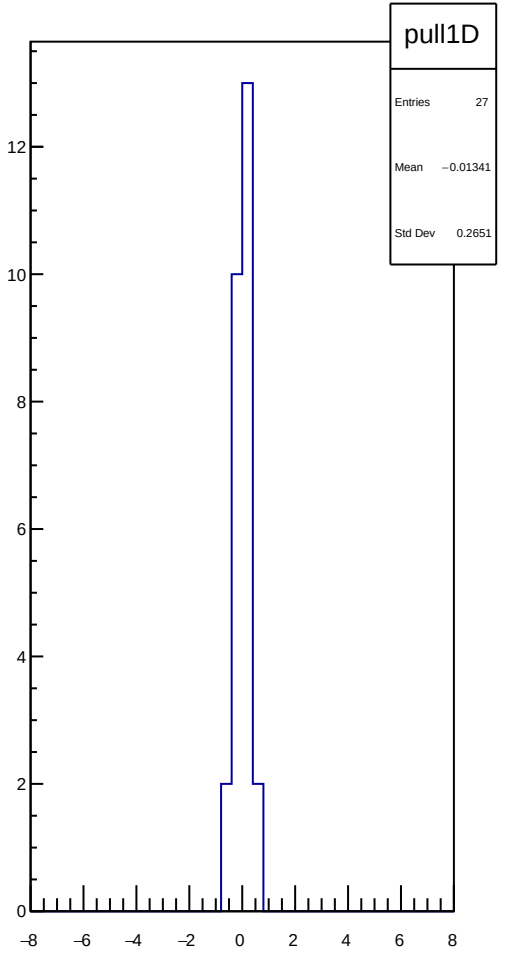

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.182e+04 / 26
p0 28.27 ± 0.04058
70
60
50
40
30
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

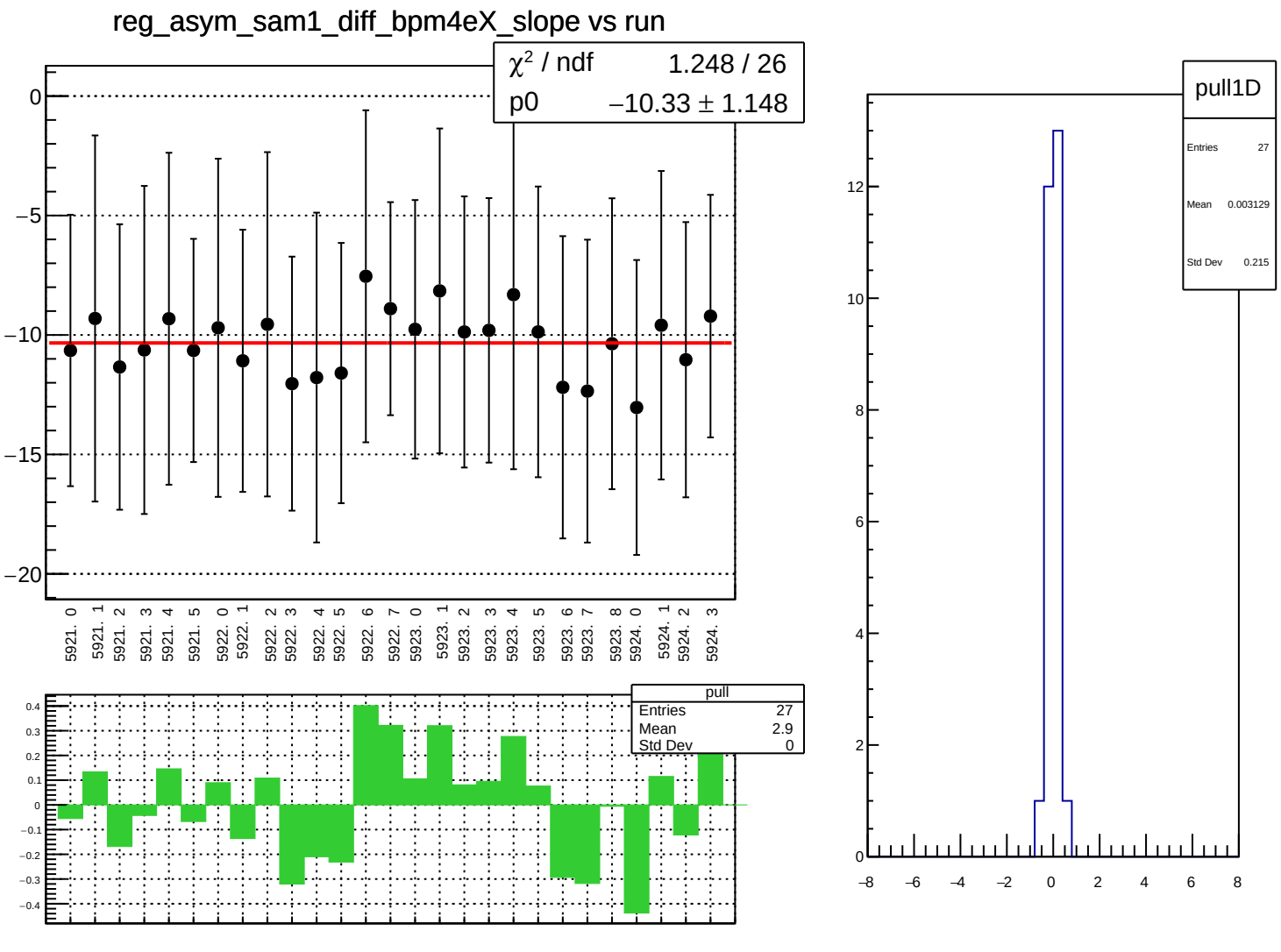

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs run
×10^−12
χ² / ndf 28.97 / 26
p0 −9.599e−14 ± 7.485e−14
pull
Entries 27
Mean −26.41
Std Dev 0
pull1D
Entries 27
Mean −0.009302
Std Dev 1.036

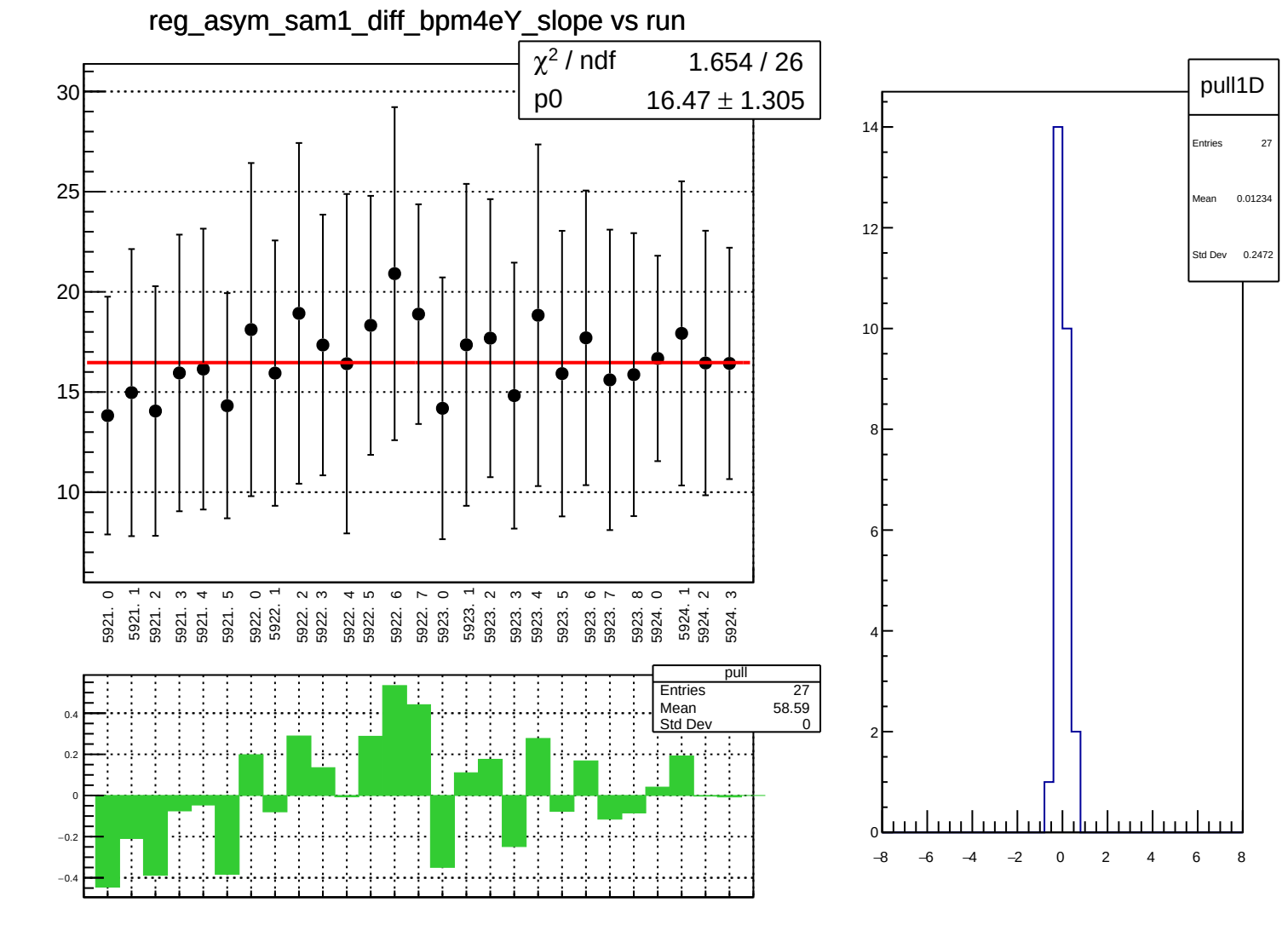

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.376e+05 / 26
p0 3.261e−11 ± 5.293e−14
0.1
0.08
0.06
0.04
0.02
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

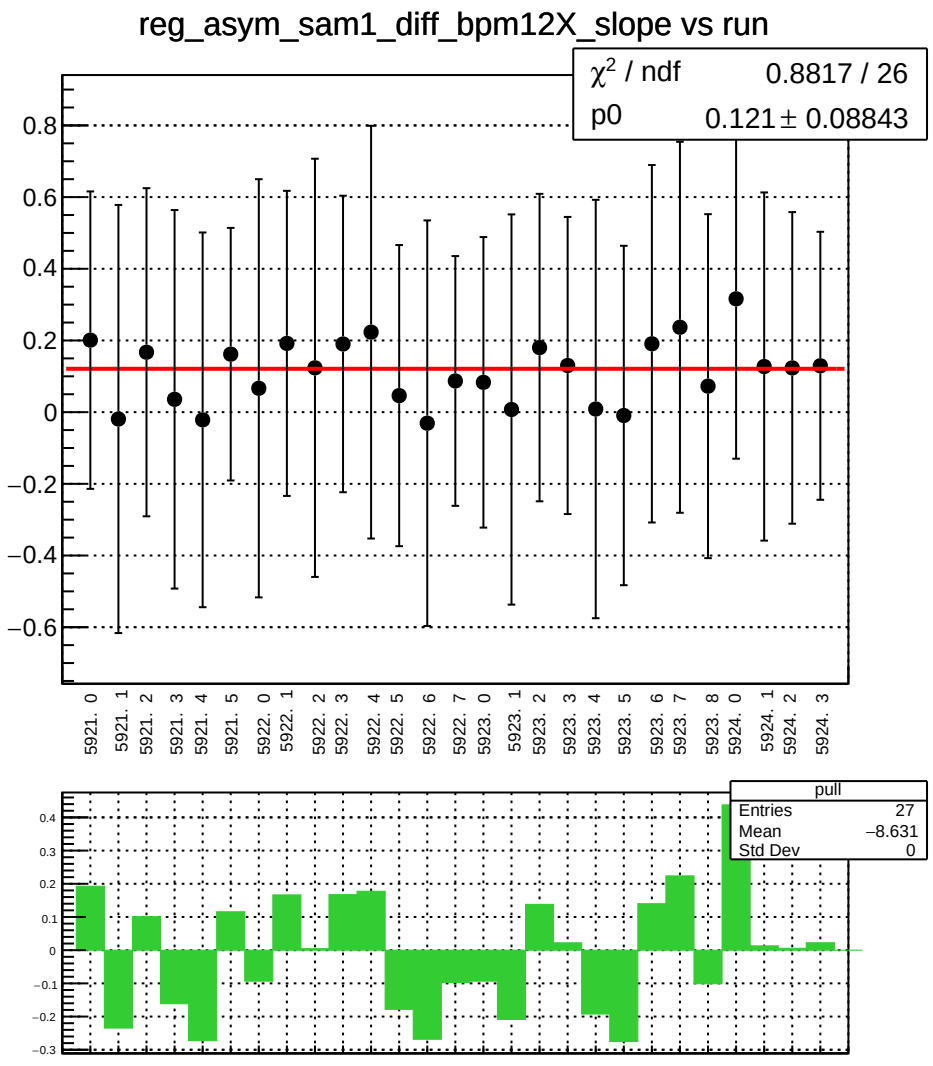

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 1.253 / 26
p0 −2.792 ± 0.8037
pull
Entries 27
Mean 19.5
Std Dev 0
pull1D
Entries 27
Mean −0.005002
Std Dev 0.2154

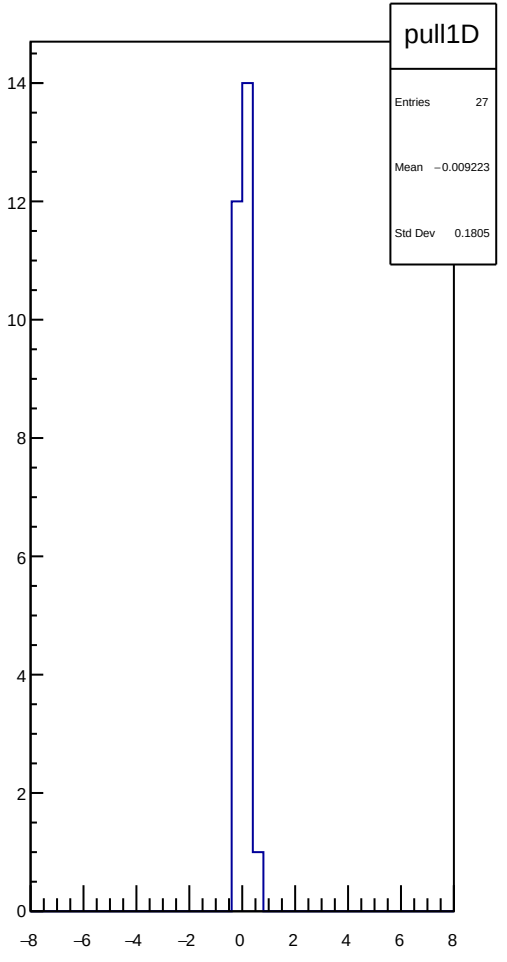

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 1.902 / 26
p0 −57.21± 1.185
−50
−55
−60
−65
−70
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 68.14
Std Dev 0
0.4
0.2
0
−0.2
−0.4

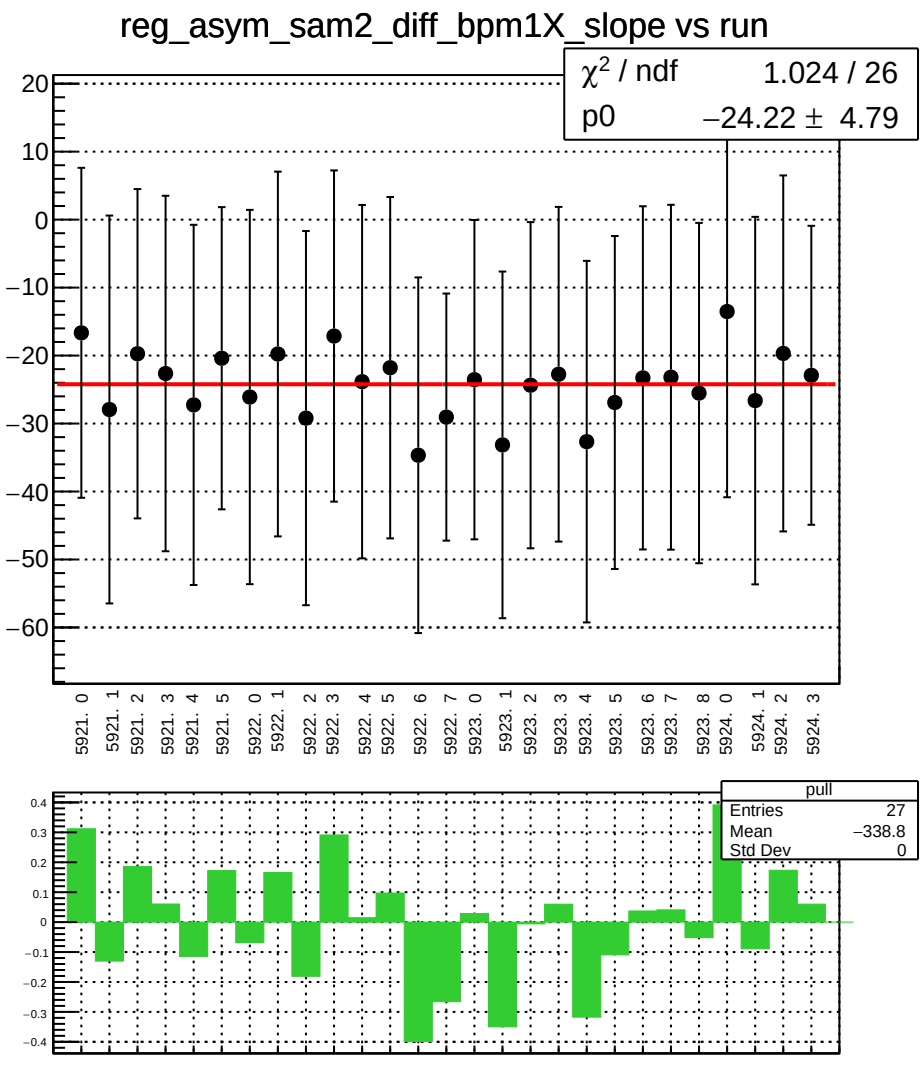

pull1D
Entries 27
Mean −0.01341
Std Dev 0.2651
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

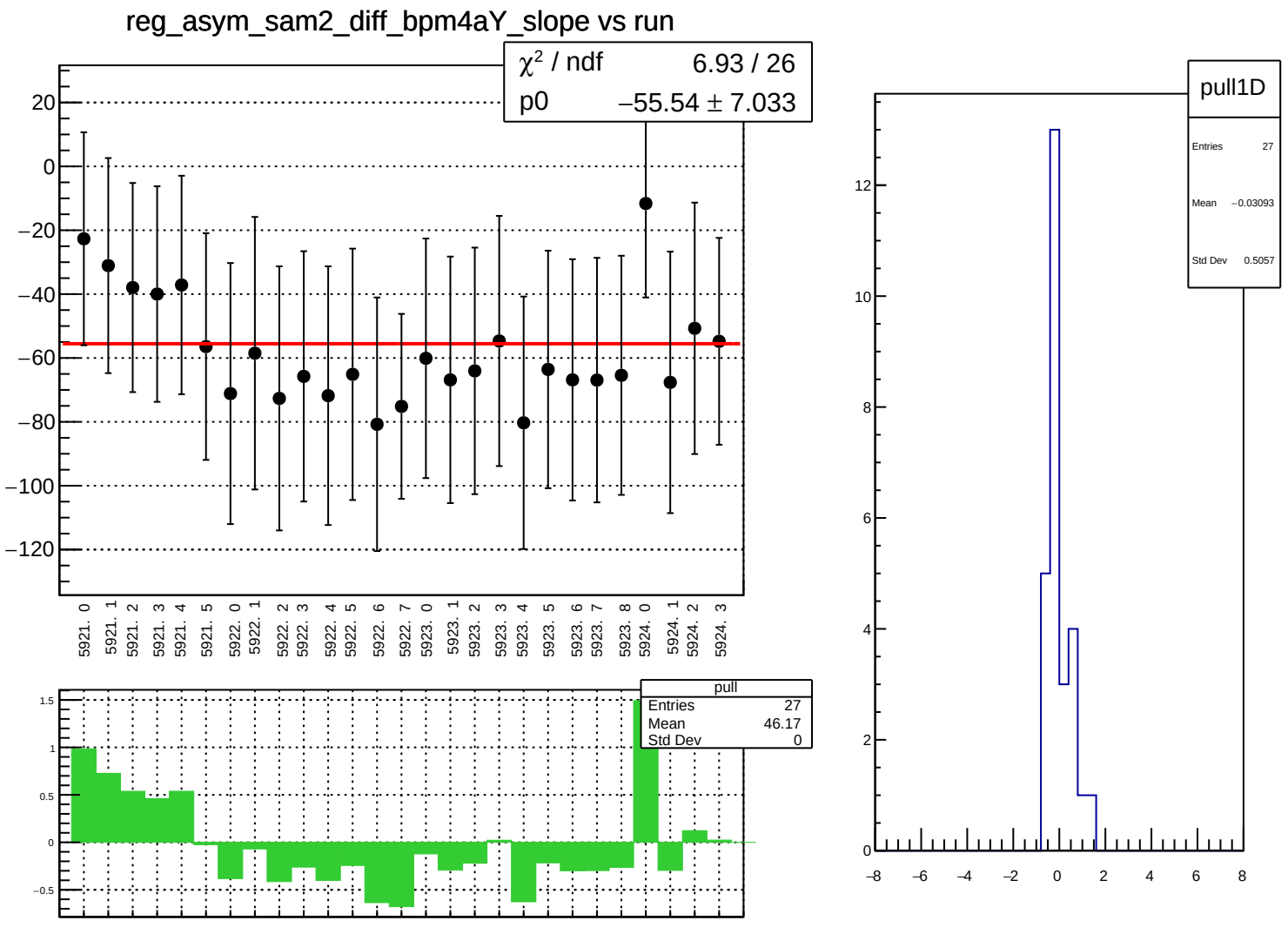

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 1.248 / 26
p0 −10.33 ± 1.148
0
−5
−10
−15
−20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 2.9
Std Dev 0
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
pull1D
Entries 27
Mean 0.003129
Std Dev 0.215
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

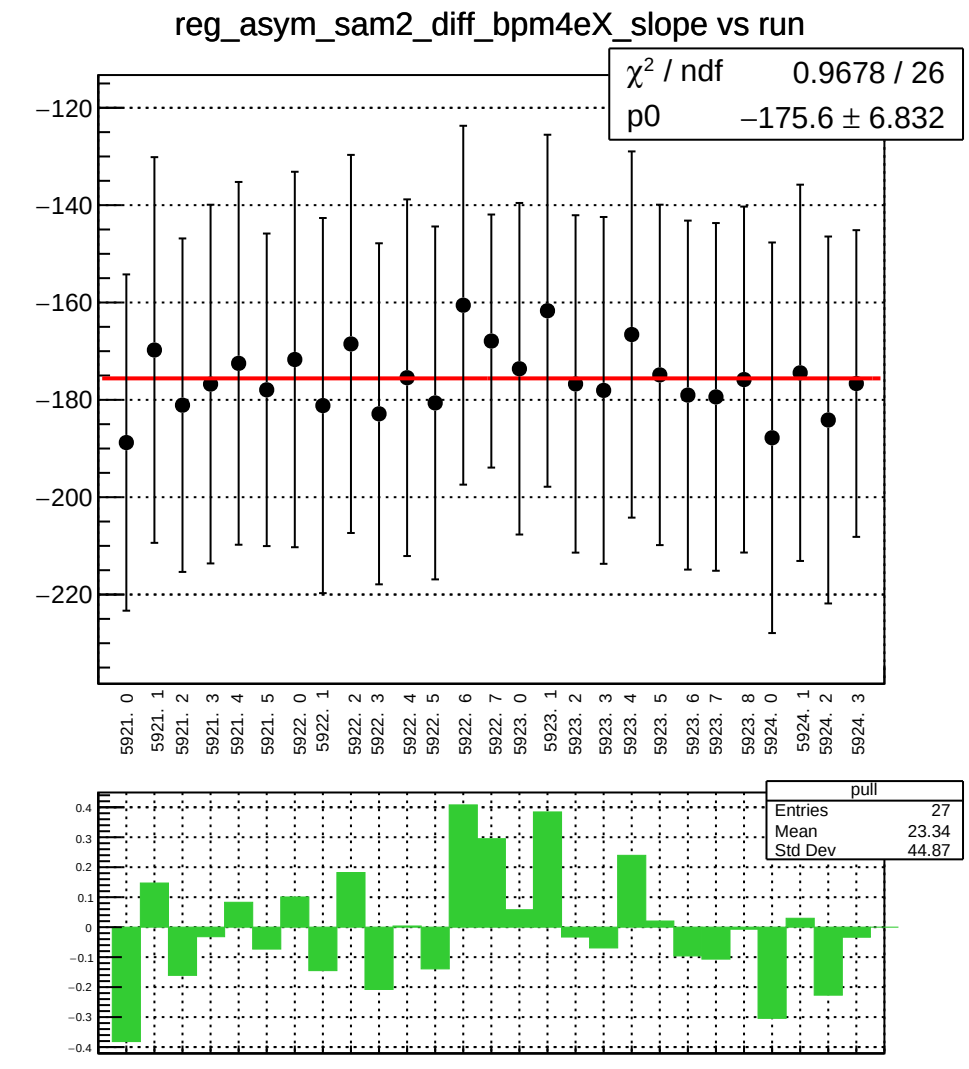

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 1.654 / 26
p0 16.47 ± 1.305
pull
Entries 27
Mean 58.59
Std Dev 0
pull1D
Entries 27
Mean 0.01234
Std Dev 0.2472

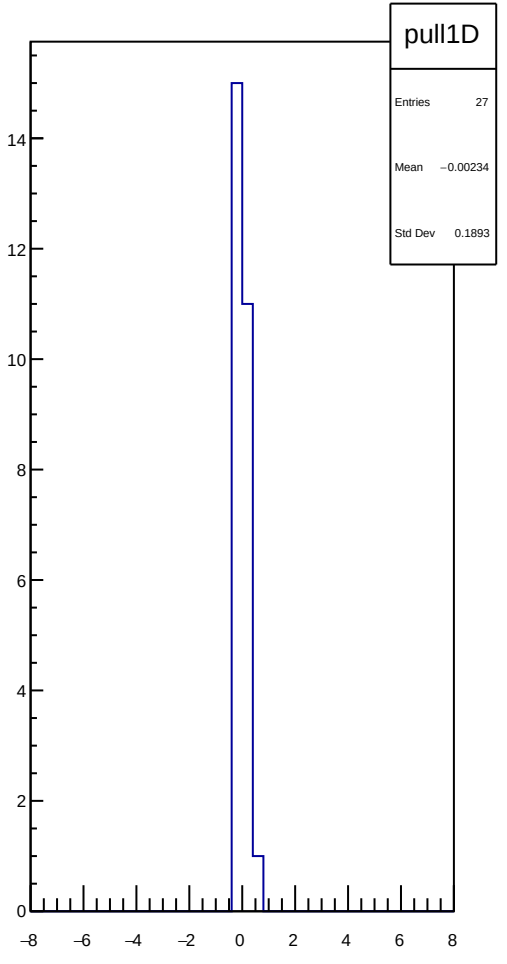

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 0.8817 / 26
p0 0.121 ± 0.08843
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −8.631
Std Dev 0
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3

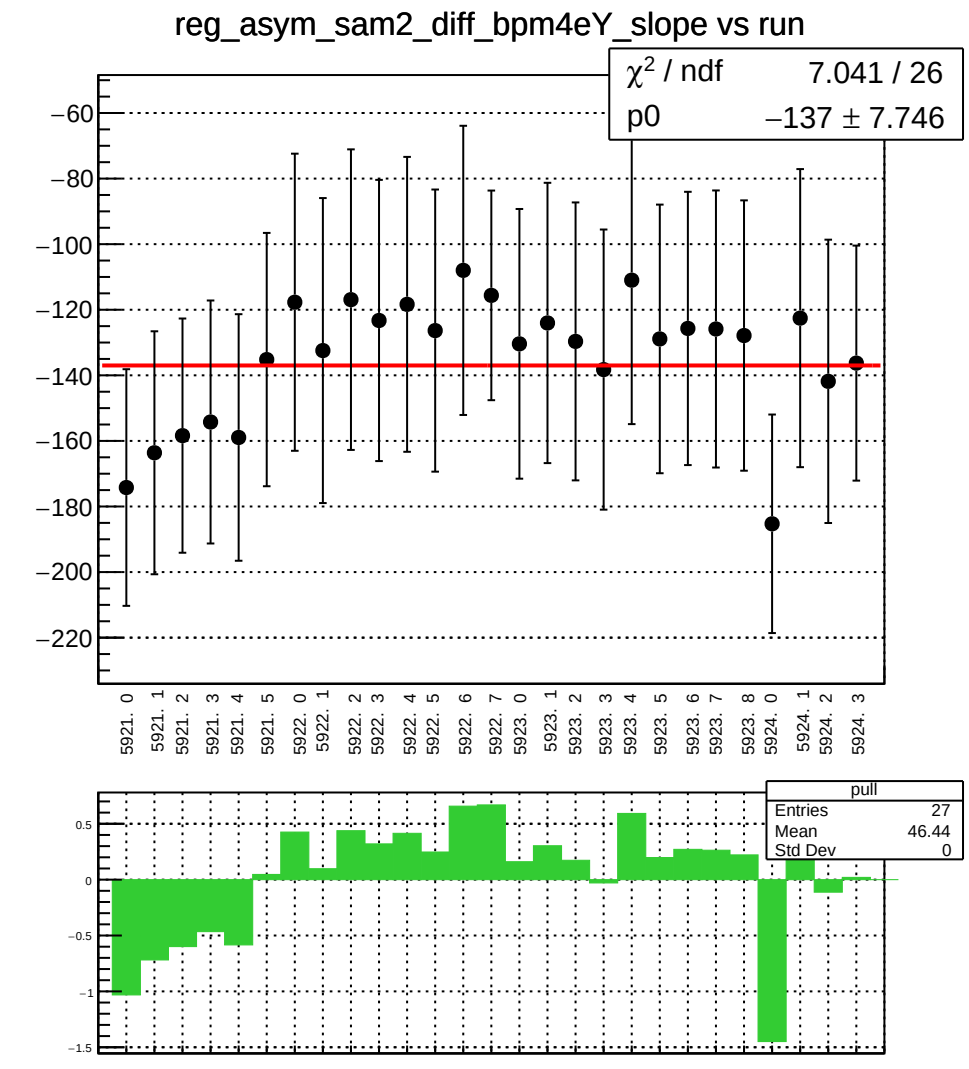

pull1D
Entries 27
Mean −0.009223
Std Dev 0.1805
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

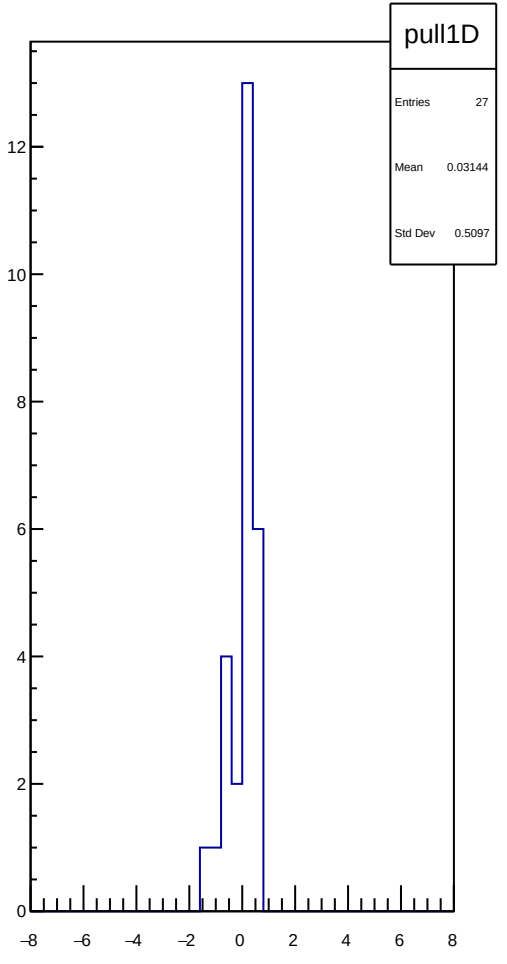

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 1.024 / 26
p0 −24.22 ± 4.79
pull
Entries 27
Mean −338.8
Std Dev 0
pull1D
Entries 27
Mean 0.0003023
Std Dev 0.1948

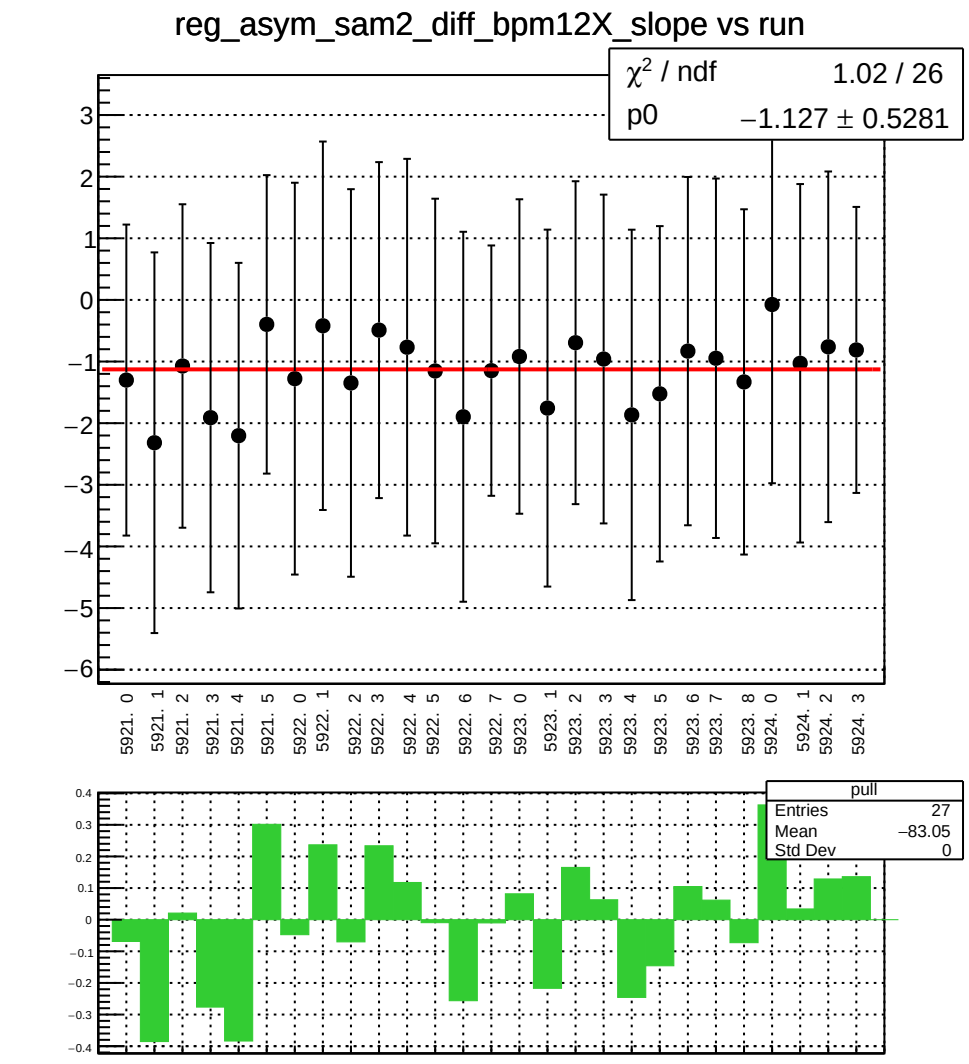

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 6.93 / 26
p0 −55.54 ± 7.033
20
0
−20
−40
−60
−80
−100
−120
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 46.17
Std Dev 0
1.5
1
0.5
0
−0.5
pull1D
Entries 27
Mean −0.03093
Std Dev 0.5057
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

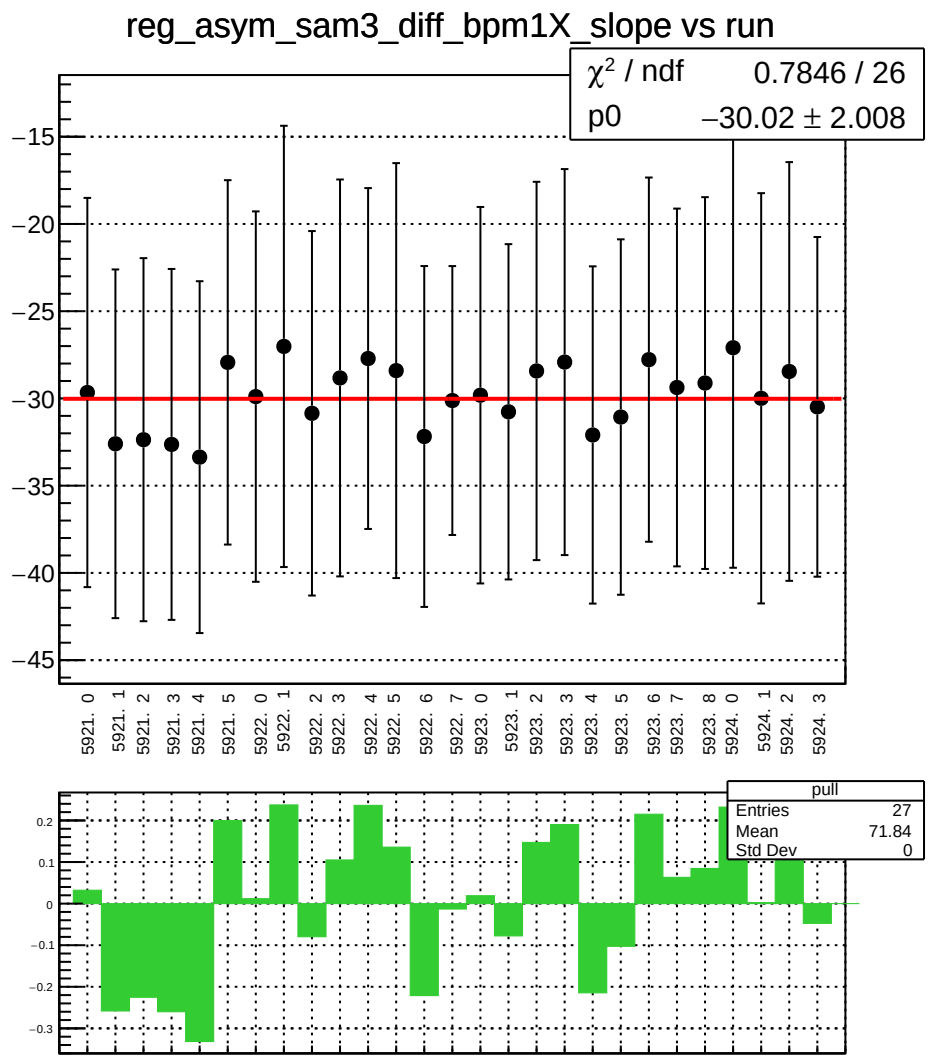

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 0.9678 / 26
p0 −175.6 ± 6.832
−120
−140
−160
−180
−200
−220
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 23.34
Std Dev 44.87
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4

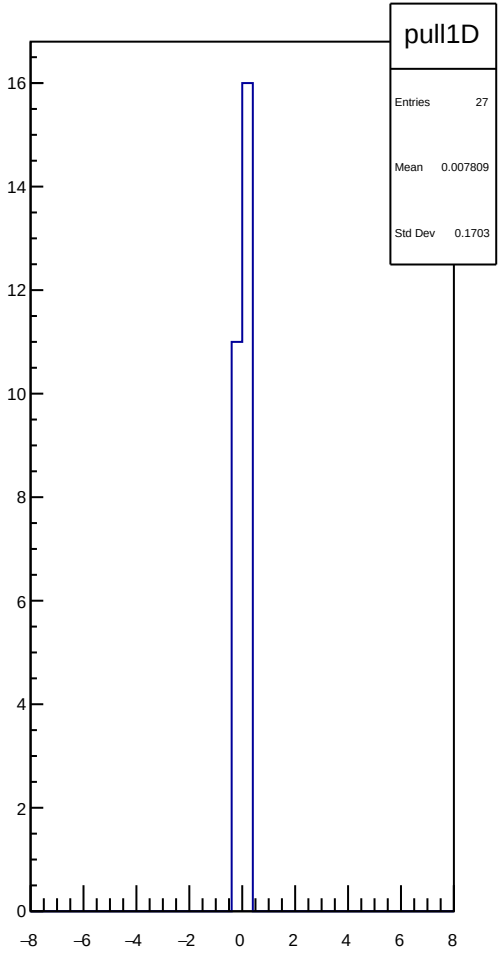

pull1D
Entries 27
Mean −0.00234
Std Dev 0.1893
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

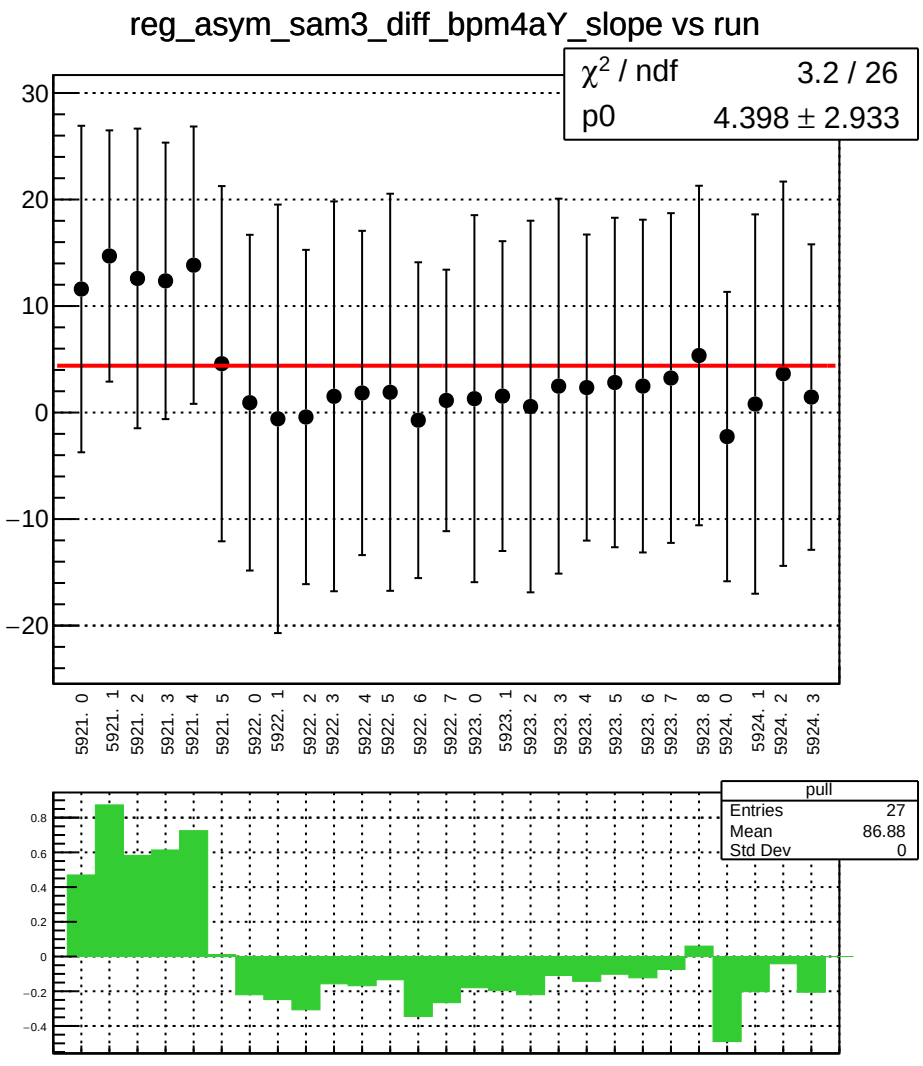

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 7.041 / 26
p0 −137 ± 7.746
−60
−80
−100
−120
−140
−160
−180
−200
−220
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 46.44
Std Dev 0
0.5
0
−0.5
−1
−1.5

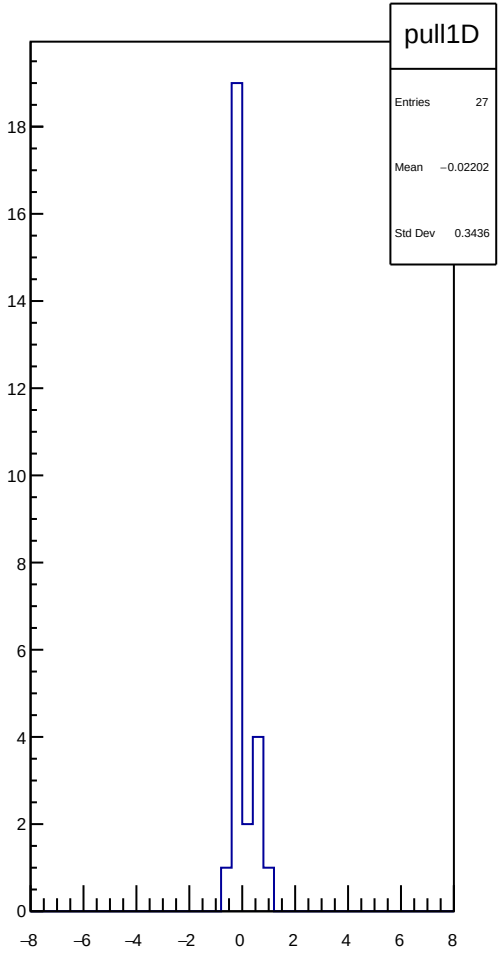

pull1D
Entries 27
Mean 0.03144
Std Dev 0.5097
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

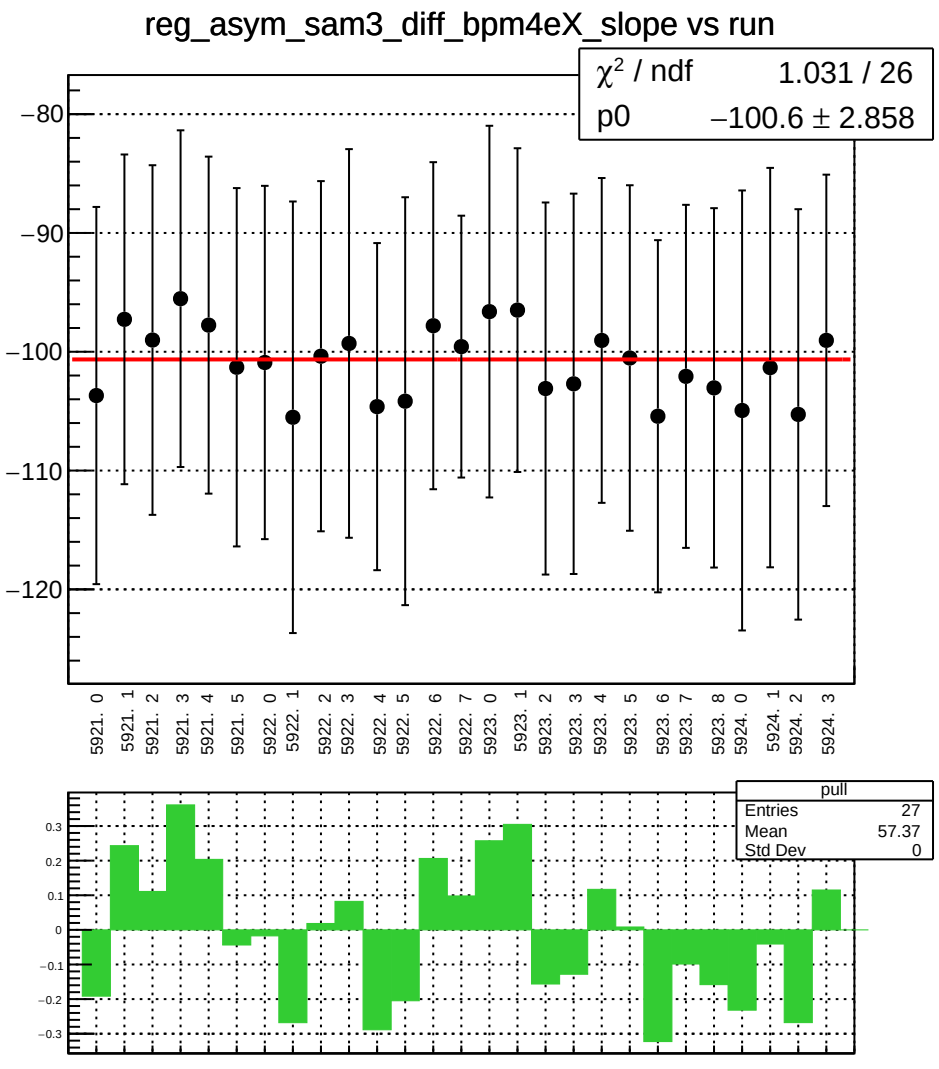

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 1.02 / 26
p0 −1.127 ± 0.5281
pull
Entries 27
Mean −83.05
Std Dev 0
pull1D
Entries 27
Mean −0.005189
Std Dev 0.1943

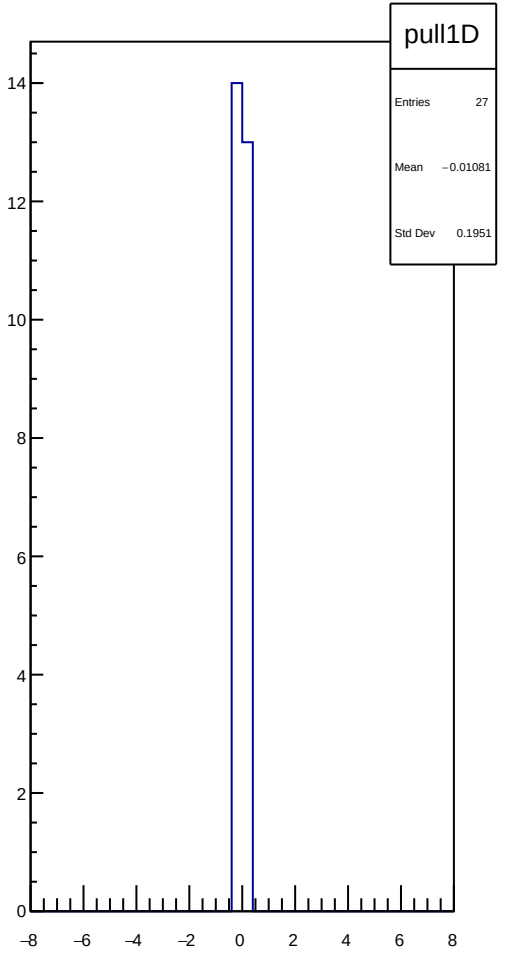

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 0.7846 / 26
p0 −30.02 ± 2.008
−15
−20
−25
−30
−35
−40
−45
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 71.84
Std Dev 0
0.2
0.1
0
−0.1
−0.2
−0.3

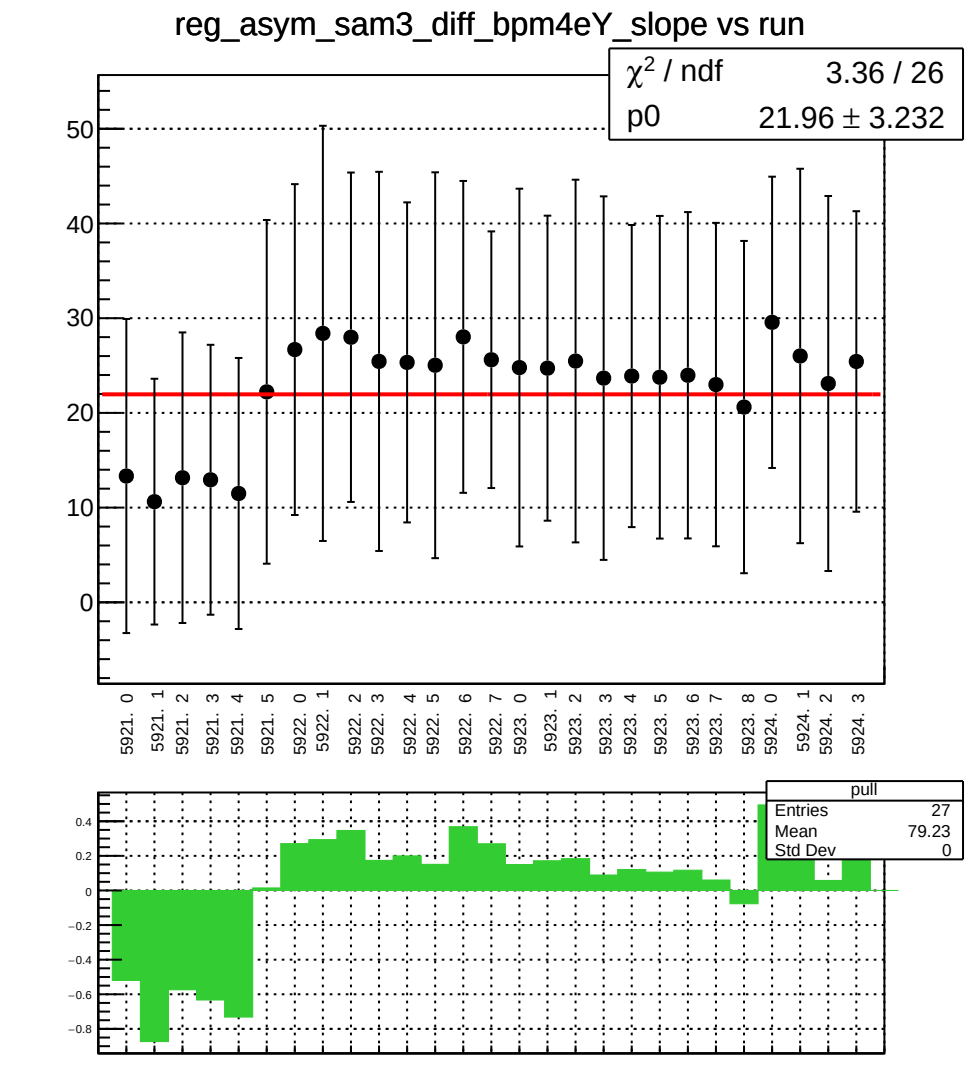

pull1D
Entries 27
Mean 0.007809
Std Dev 0.1703
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

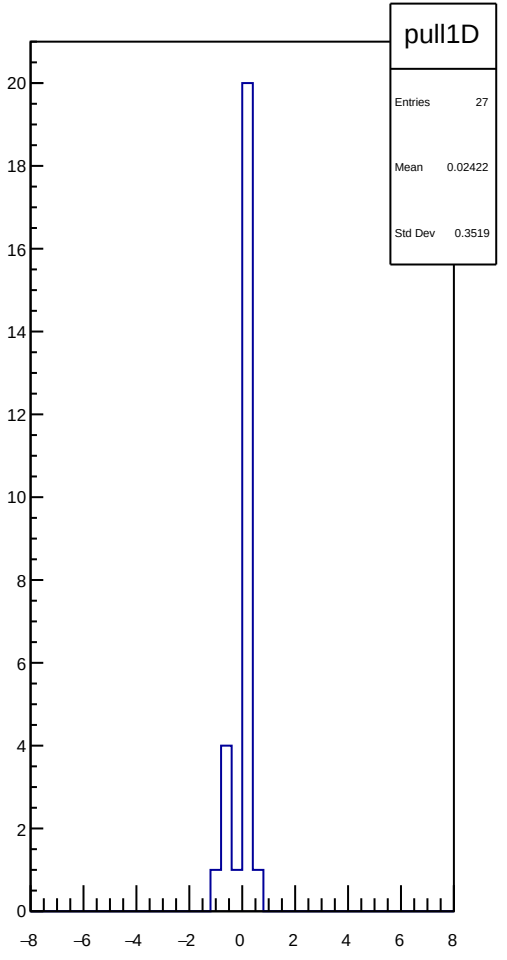

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 3.2 / 26
p0 4.398 ± 2.933
30
20
10
0
−10
−20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 86.88
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4

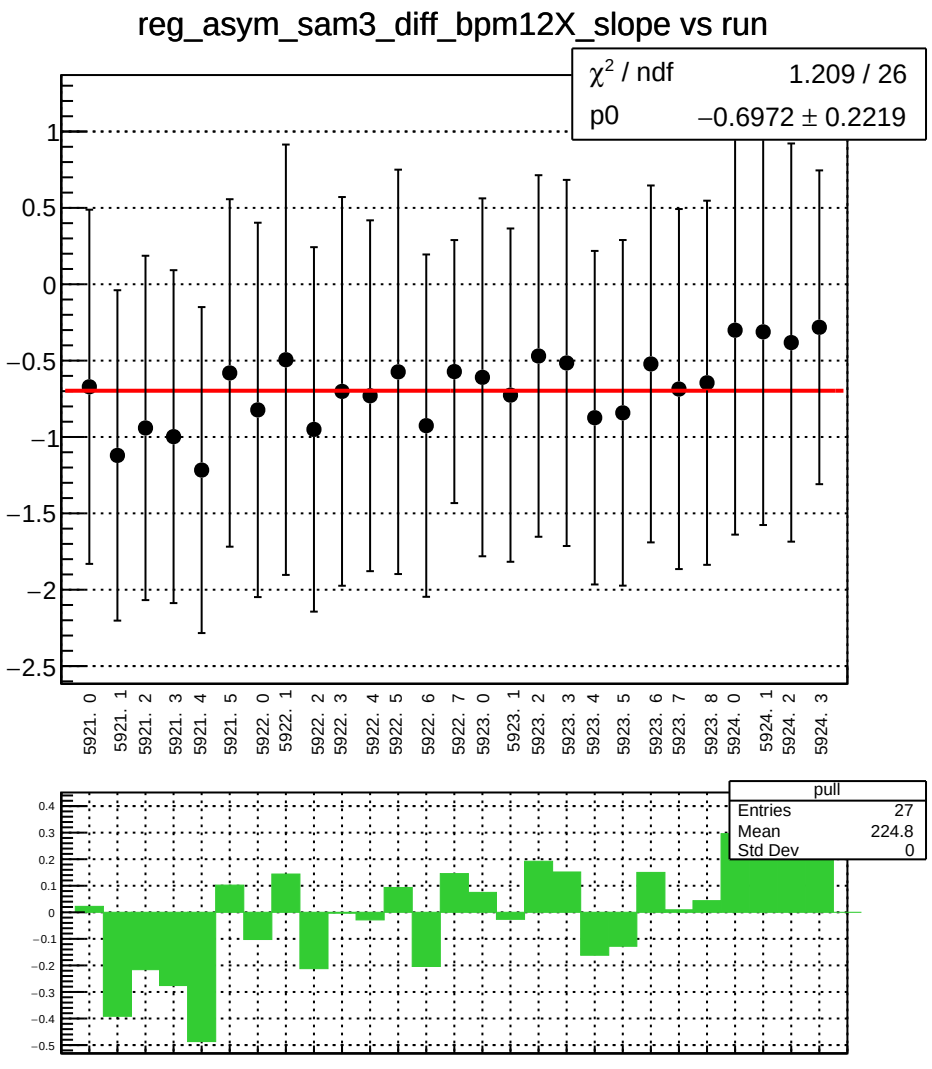

pull1D
Entries 27
Mean −0.02202
Std Dev 0.3436
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

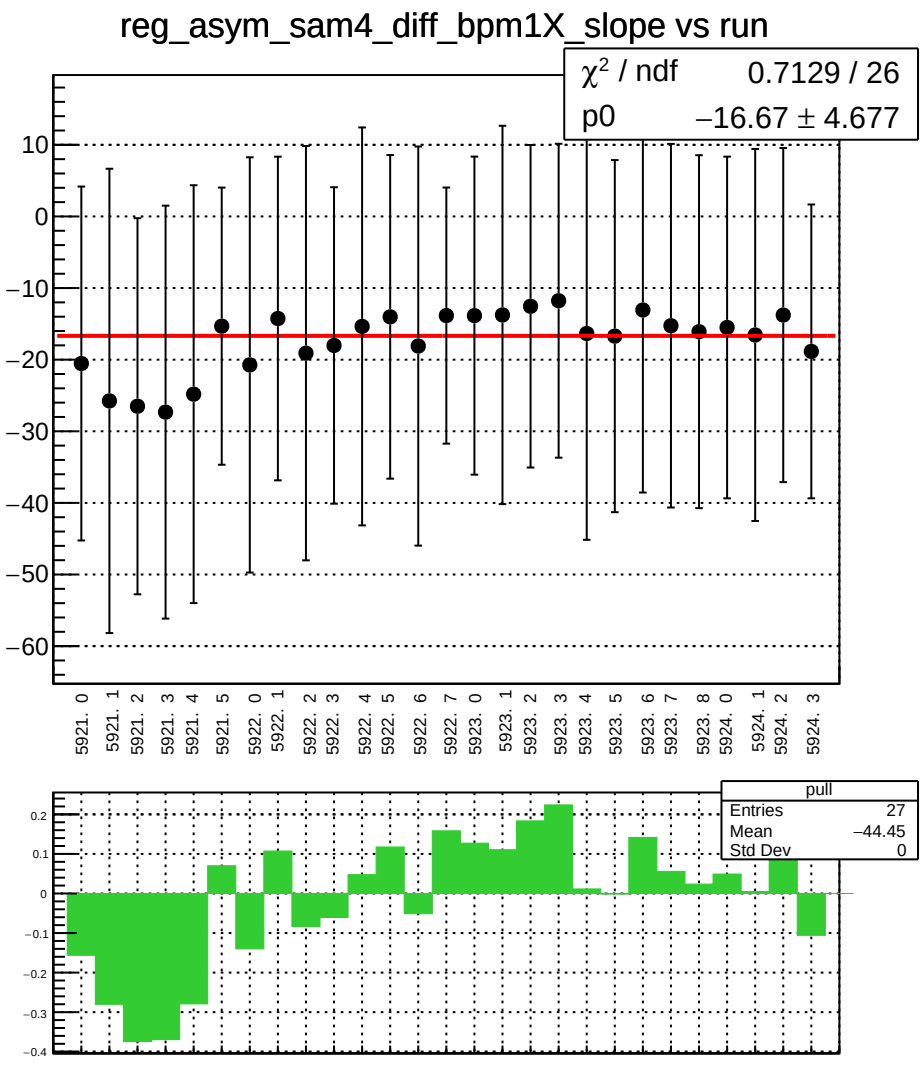

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 1.031 / 26
p0 −100.6 ± 2.858
−80
−90
−100
−110
−120
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 57.37
Std Dev 0
0.3
0.2
0.1
0
−0.1
−0.2
−0.3

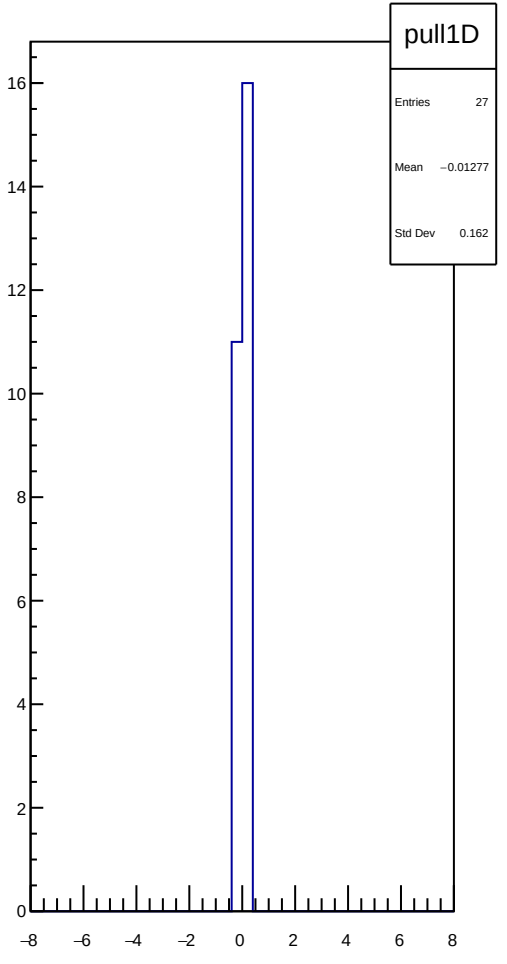

pull1D
Entries 27
Mean −0.01081
Std Dev 0.1951
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

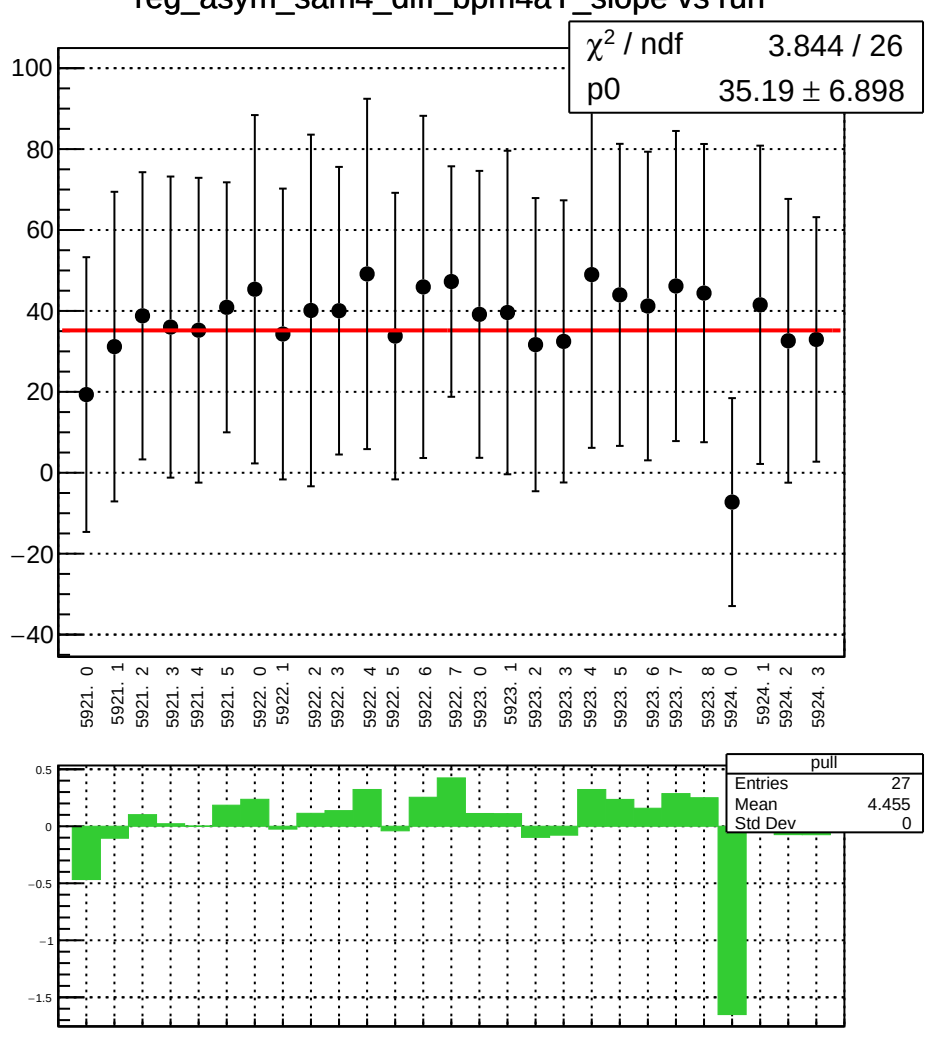

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 3.36 / 26
p0 21.96 ± 3.232
50
40
30
20
10
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 79.23
Std Dev 0
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

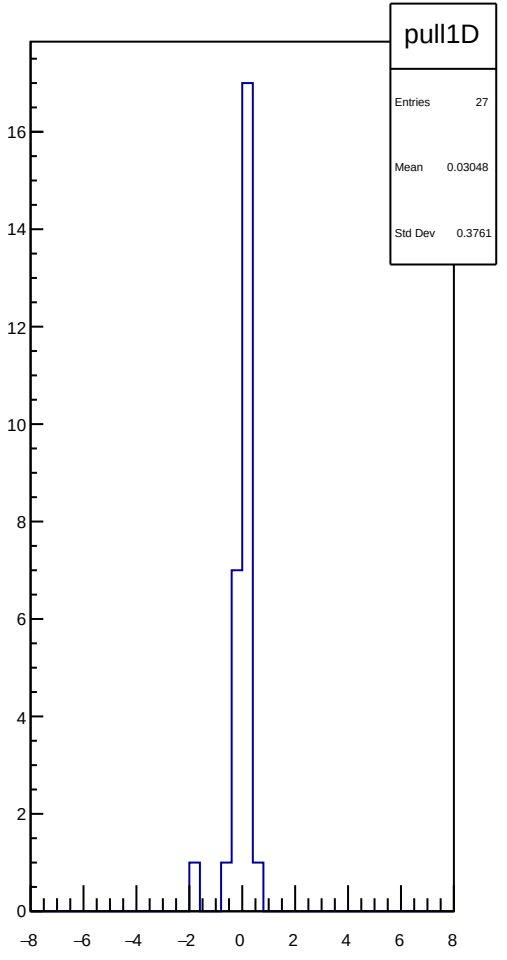

pull1D
Entries 27
Mean 0.02422
Std Dev 0.3519
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

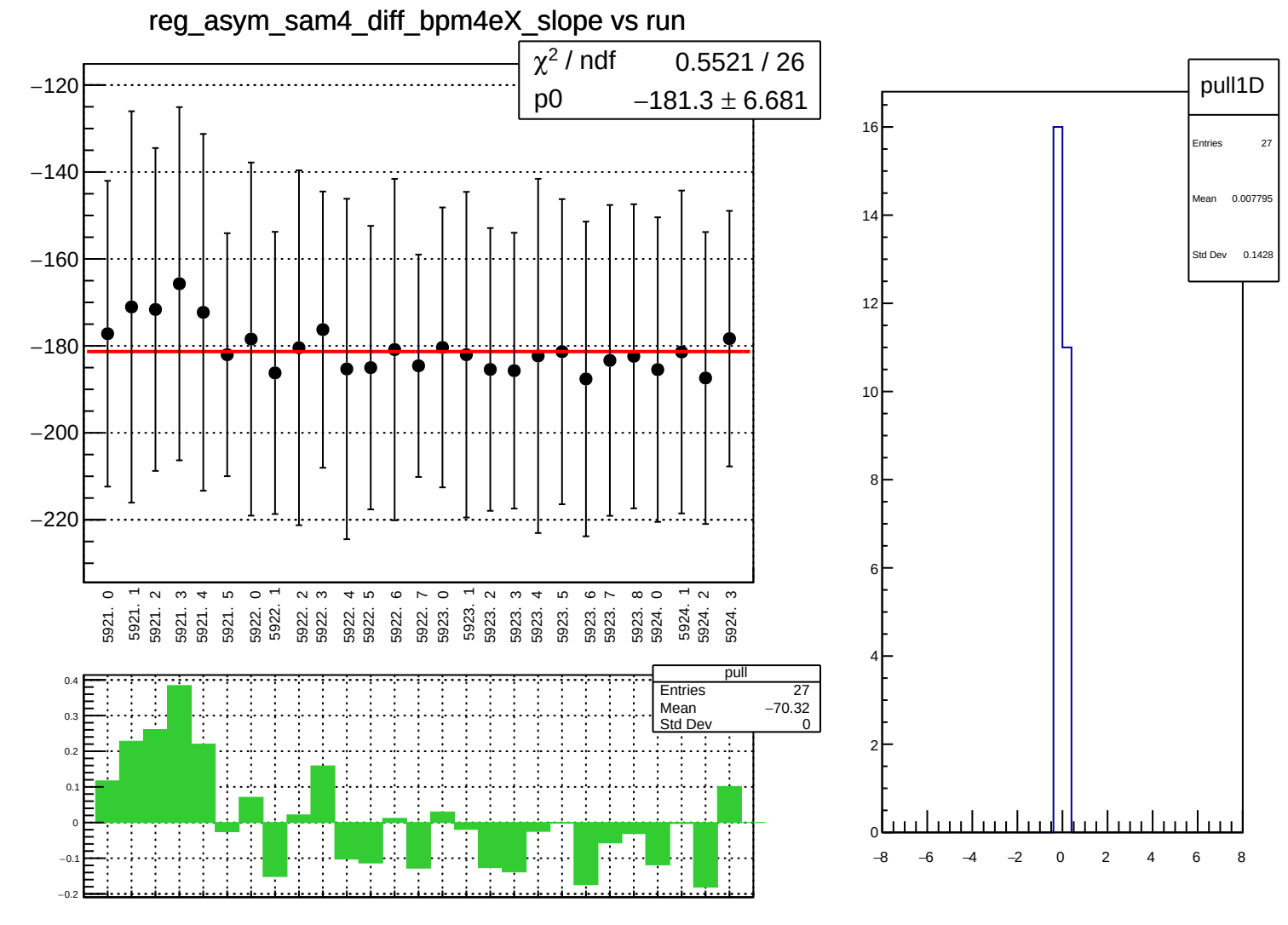

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 1.209 / 26
p0 −0.6972 ± 0.2219
pull
Entries 27
Mean 224.8
Std Dev 0
pull1D
Entries 27
Mean 0.005216
Std Dev 0.2115

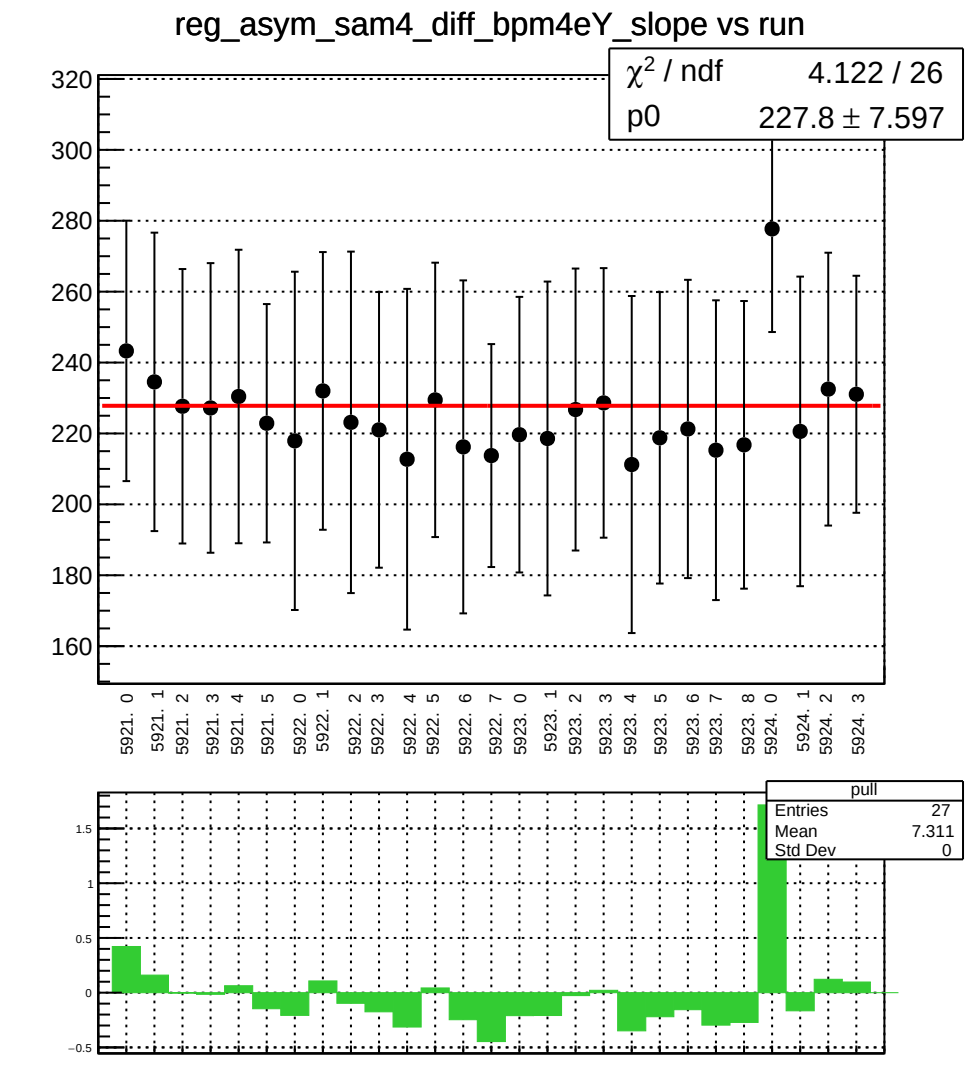

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 0.7129 / 26
p0 −16.67 ± 4.677
10
0
−10
−20
−30
−40
−50
−60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −44.45
Std Dev 0
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4

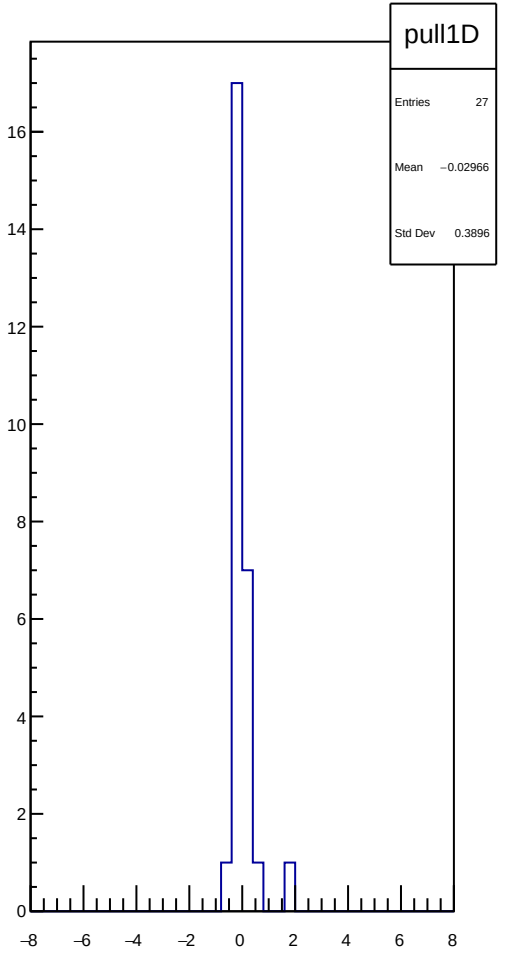

pull1D
Entries 27
Mean −0.01277
Std Dev 0.162
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

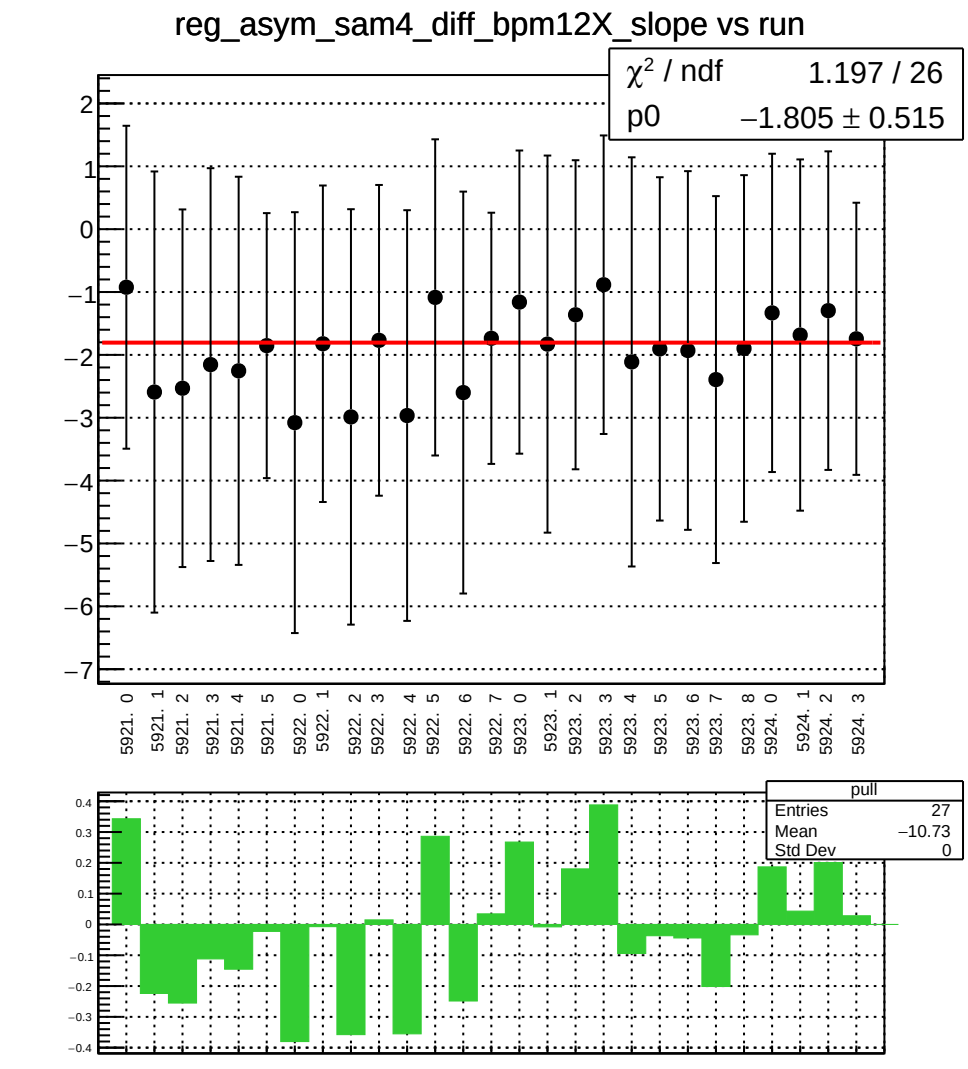

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 3.844 / 26
p0 35.19 ± 6.898
100
80
60
40
20
0
−20
−40
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 4.455
Std Dev 0
0.5
0
−0.5
−1
−1.5

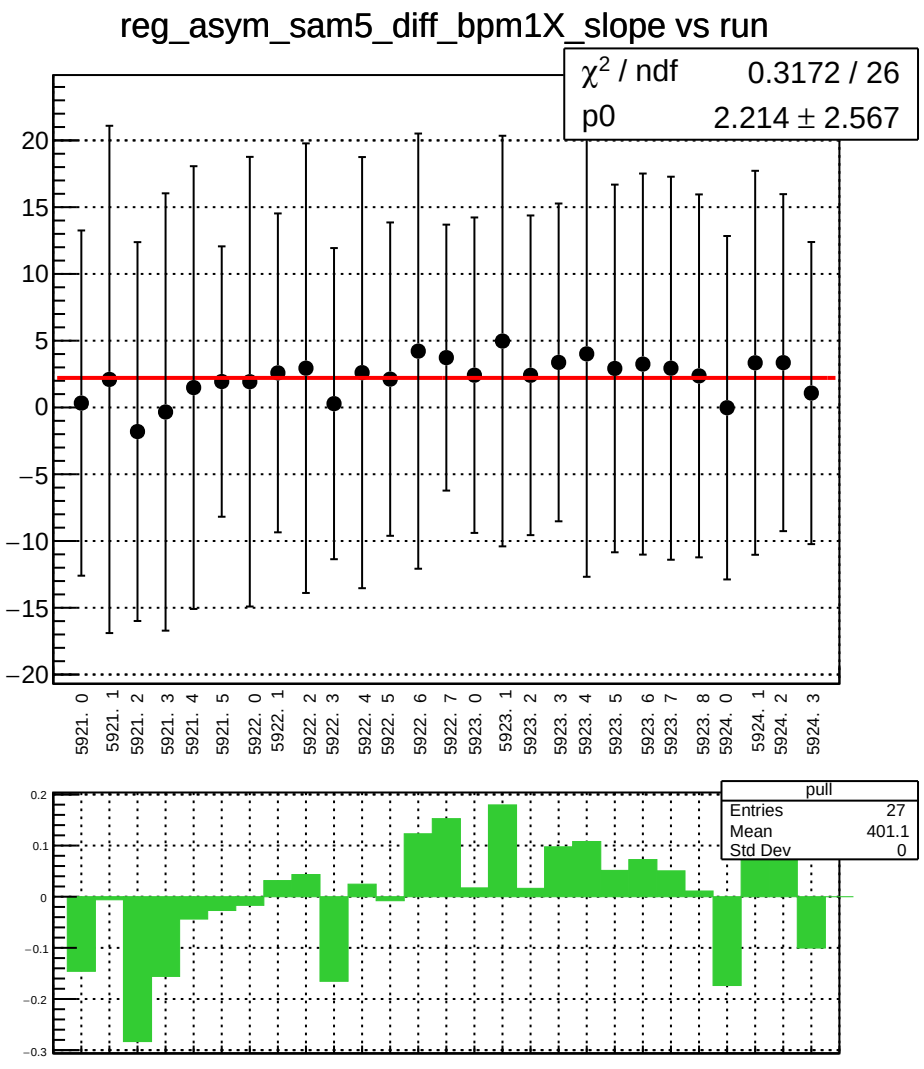

pull1D
Entries 27
Mean 0.03048
Std Dev 0.3761
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

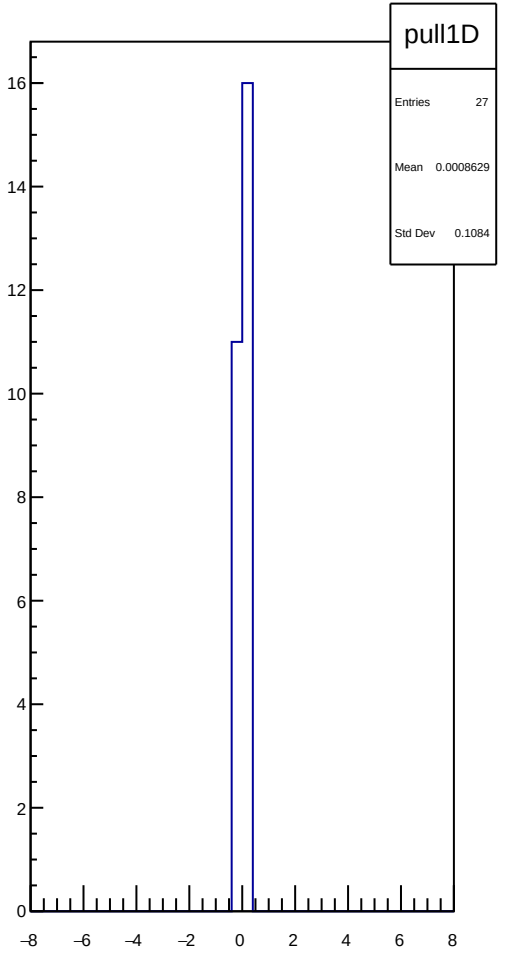

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 0.5521 / 26
p0 −181.3 ± 6.681
−120
−140
−160
−180
−200
−220
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −70.32
Std Dev 0
0.4
0.3
0.2
0.1
0
−0.1
−0.2
pull1D
Entries 27
Mean 0.007795
Std Dev 0.1428
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

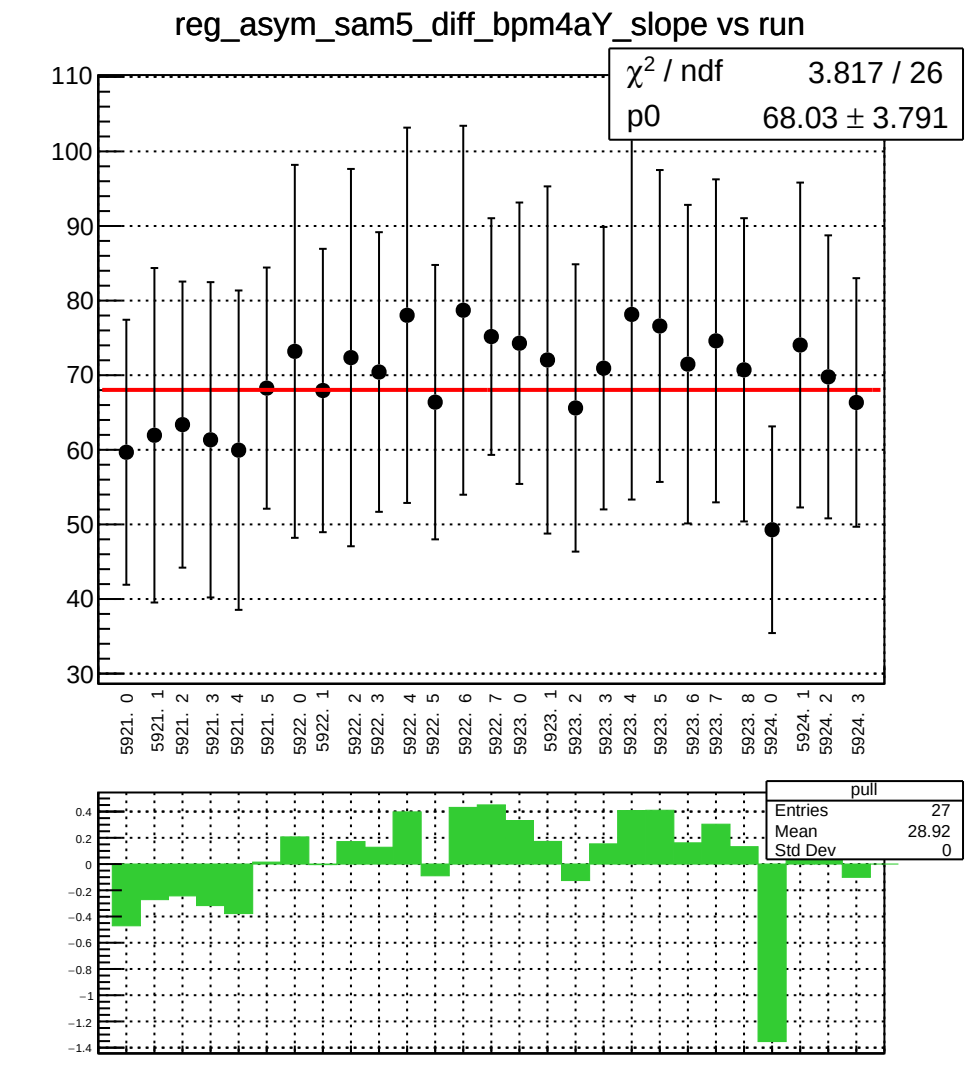

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 4.122 / 26
p0 227.8 ± 7.597
320
300
280
260
240
220
200
180
160
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 7.311
Std Dev 0
1.5
1
0.5
0
−0.5

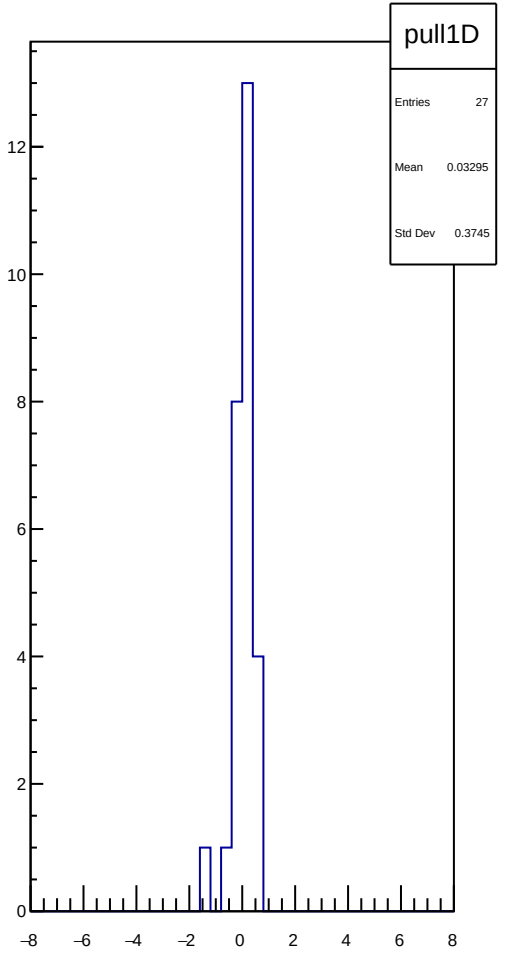

pull1D
Entries 27
Mean −0.02966
Std Dev 0.3896
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

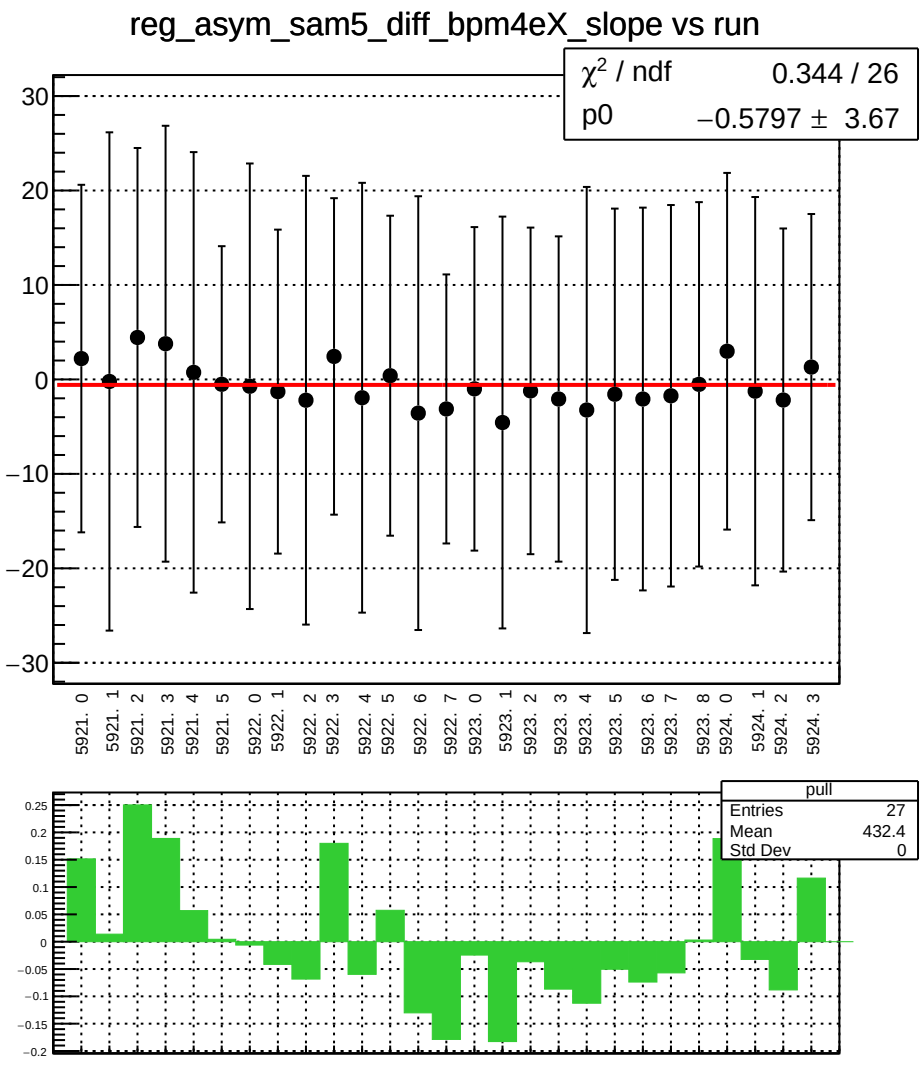

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 1.197 / 26
p0 −1.805 ± 0.515
pull
Entries 27
Mean −10.73
Std Dev 0
pull1D
Entries 27
Mean −0.02044
Std Dev 0.2096

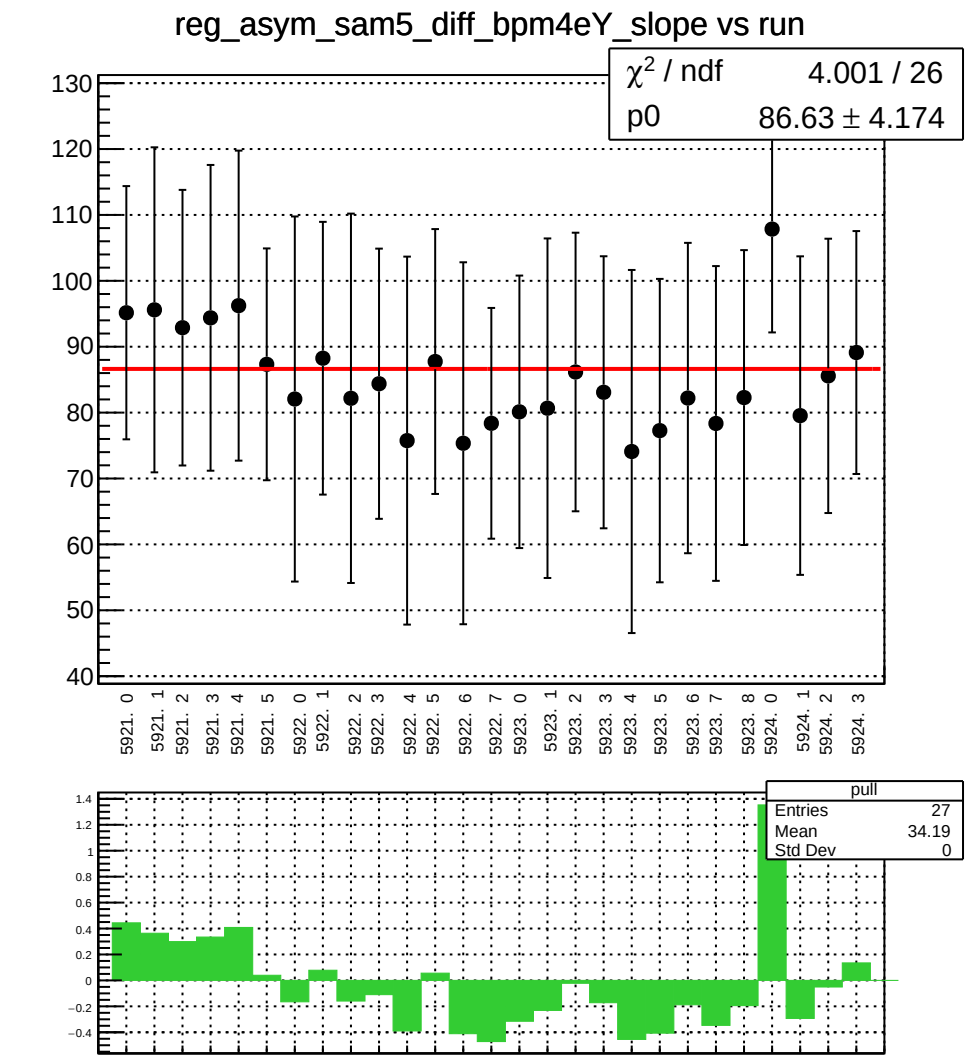

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 0.3172 / 26
p0 2.214 ± 2.567
20
15
10
5
0
−5
−10
−15
−20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 401.1
Std Dev 0
0.2
0.1
0
−0.1
−0.2
−0.3

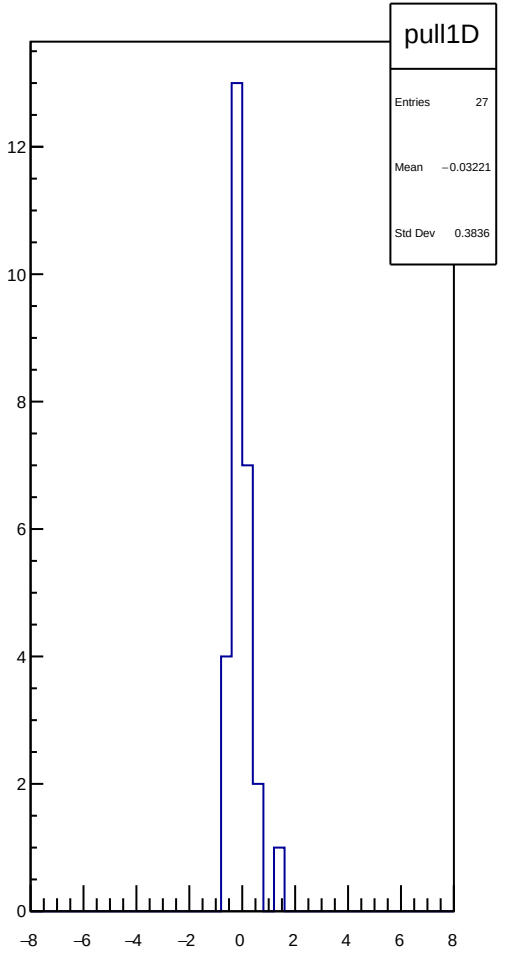

pull1D
Entries 27
Mean 0.0008629
Std Dev 0.1084
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

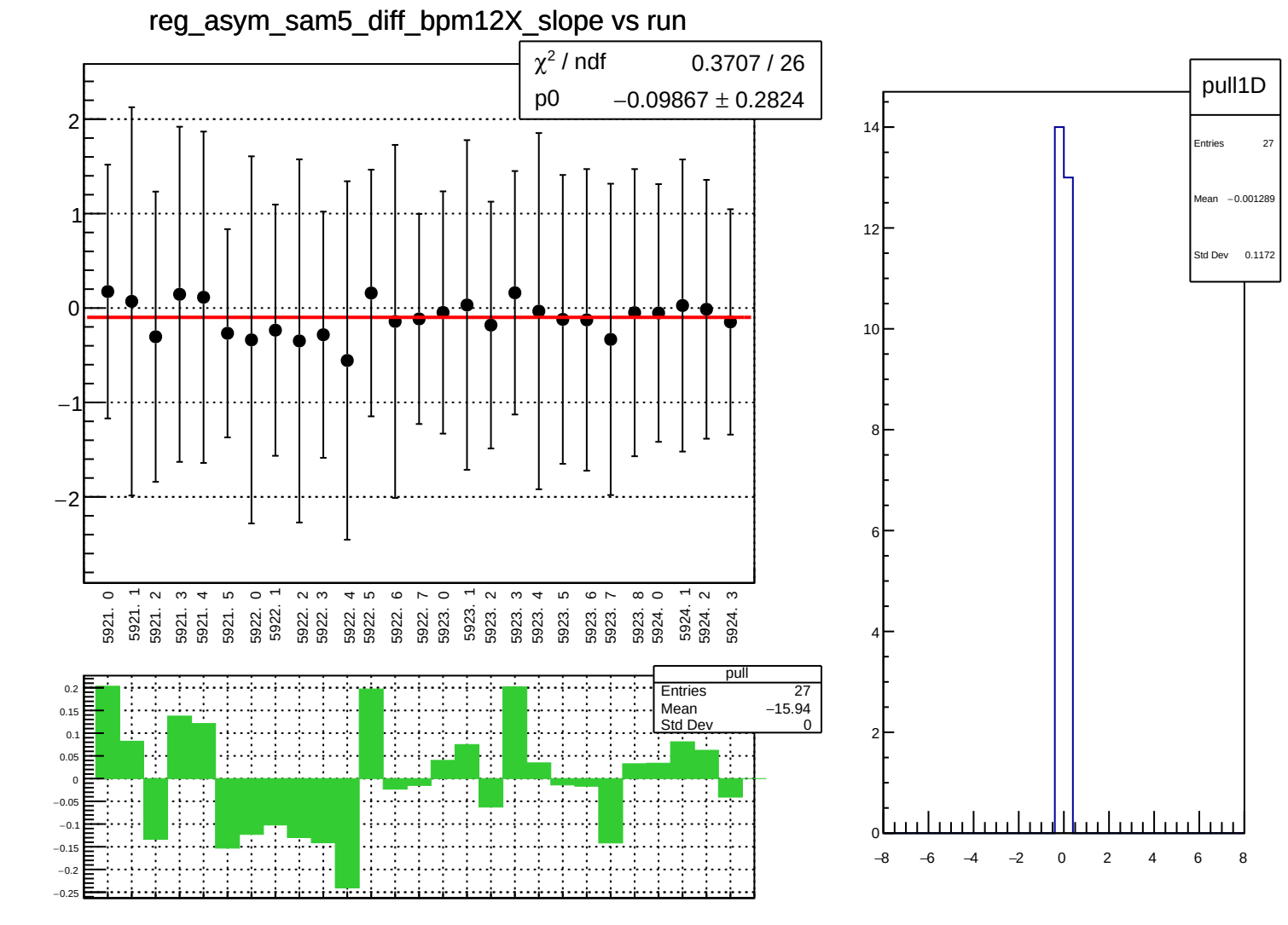

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 3.817 / 26
p0 68.03 ± 3.791
110
100
90
80
70
60
50
40
30
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 28.92
Std Dev 0
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4

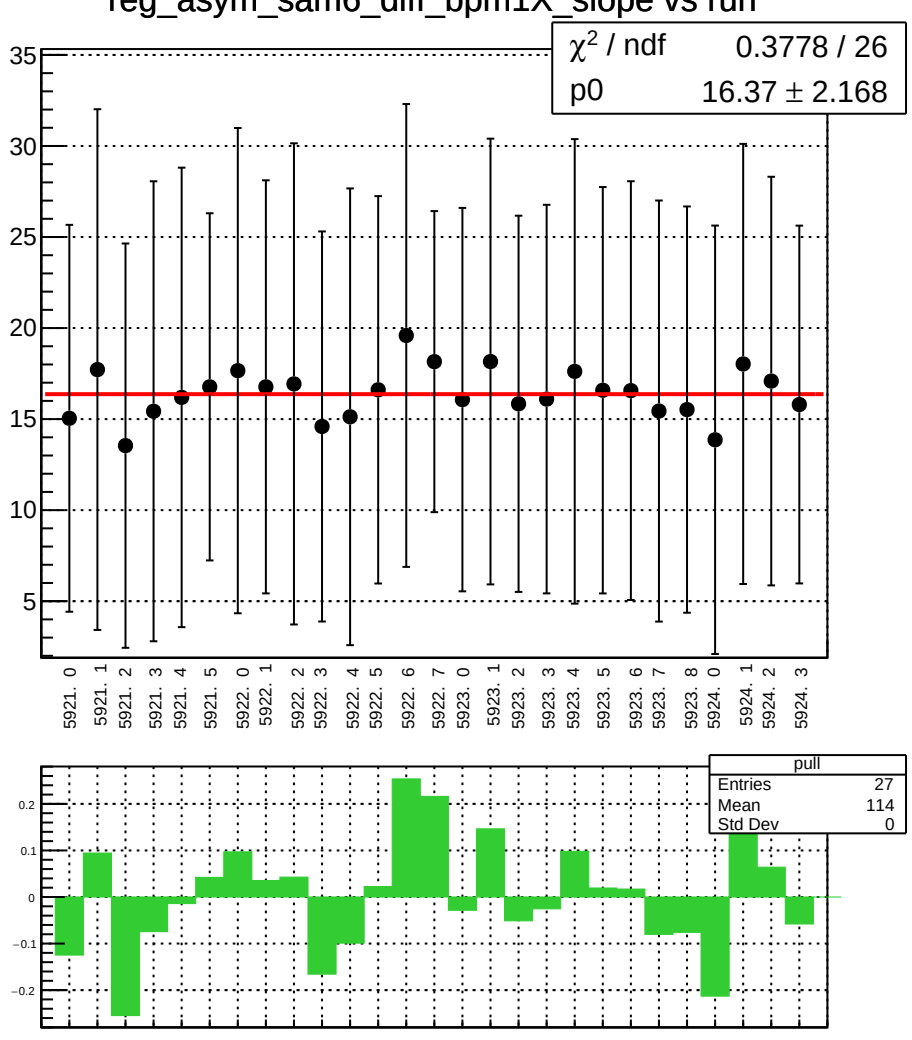

pull1D
Entries 27
Mean 0.03295
Std Dev 0.3745
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

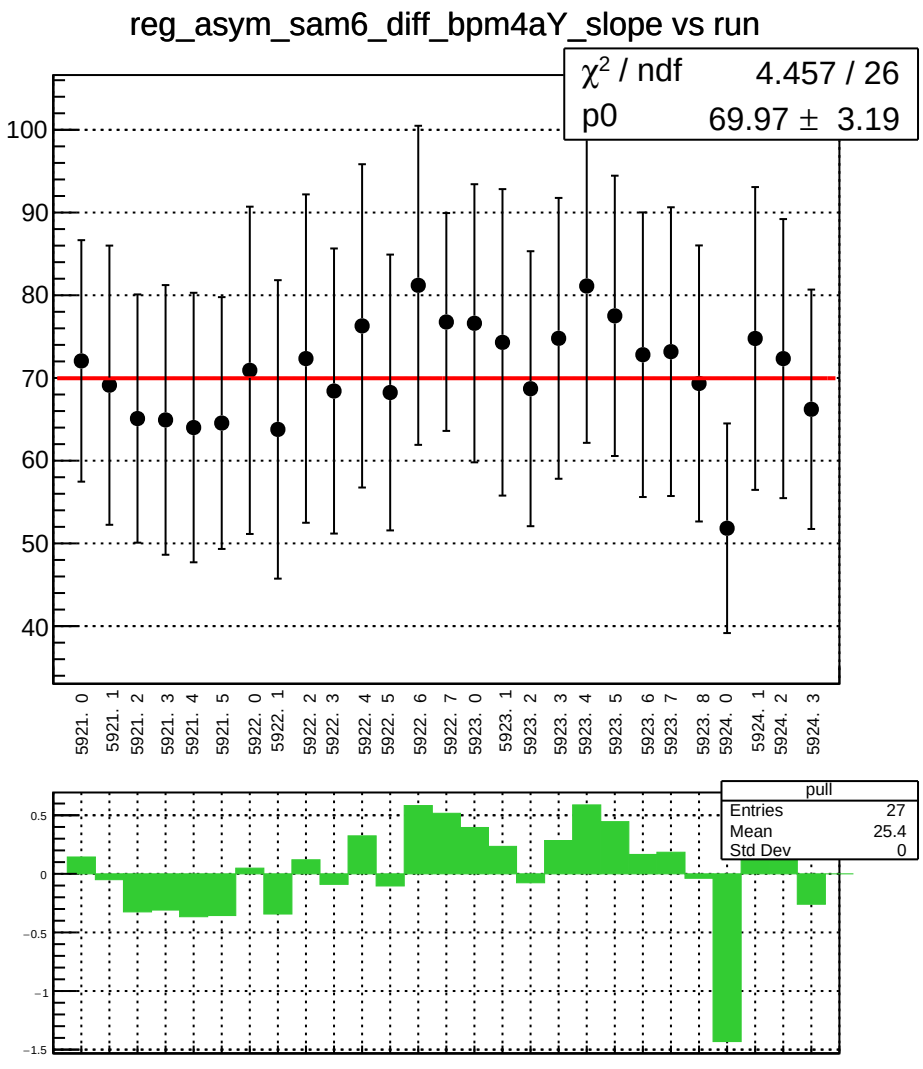

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 0.344 / 26
p0 −0.5797 ± 3.67
30
20
10
0
−10
−20
−30
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 432.4
Std Dev 0
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
pull1D
Entries 27
Mean −0.0006975
Std Dev 0.1129
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

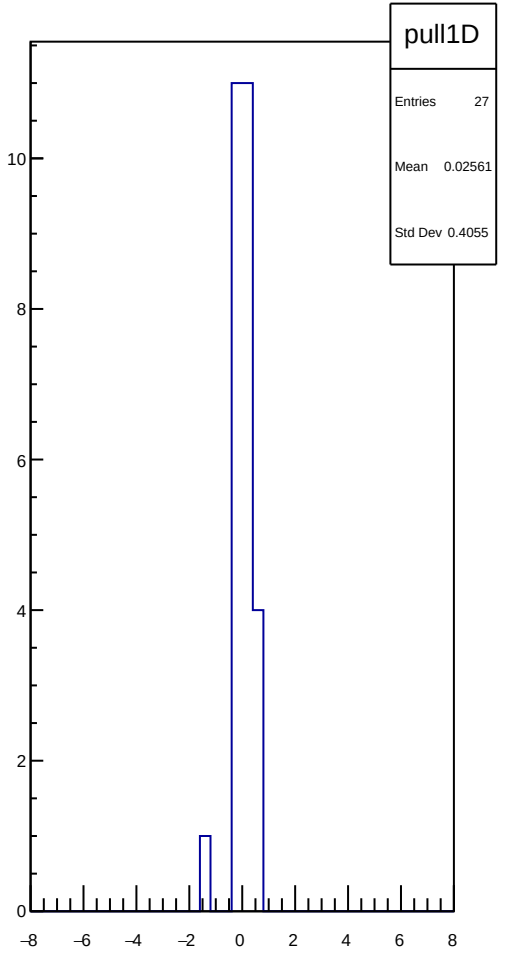

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 4.001 / 26
p0 86.63 ± 4.174
130
120
110
100
90
80
70
60
50
40
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 34.19
Std Dev 0
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4

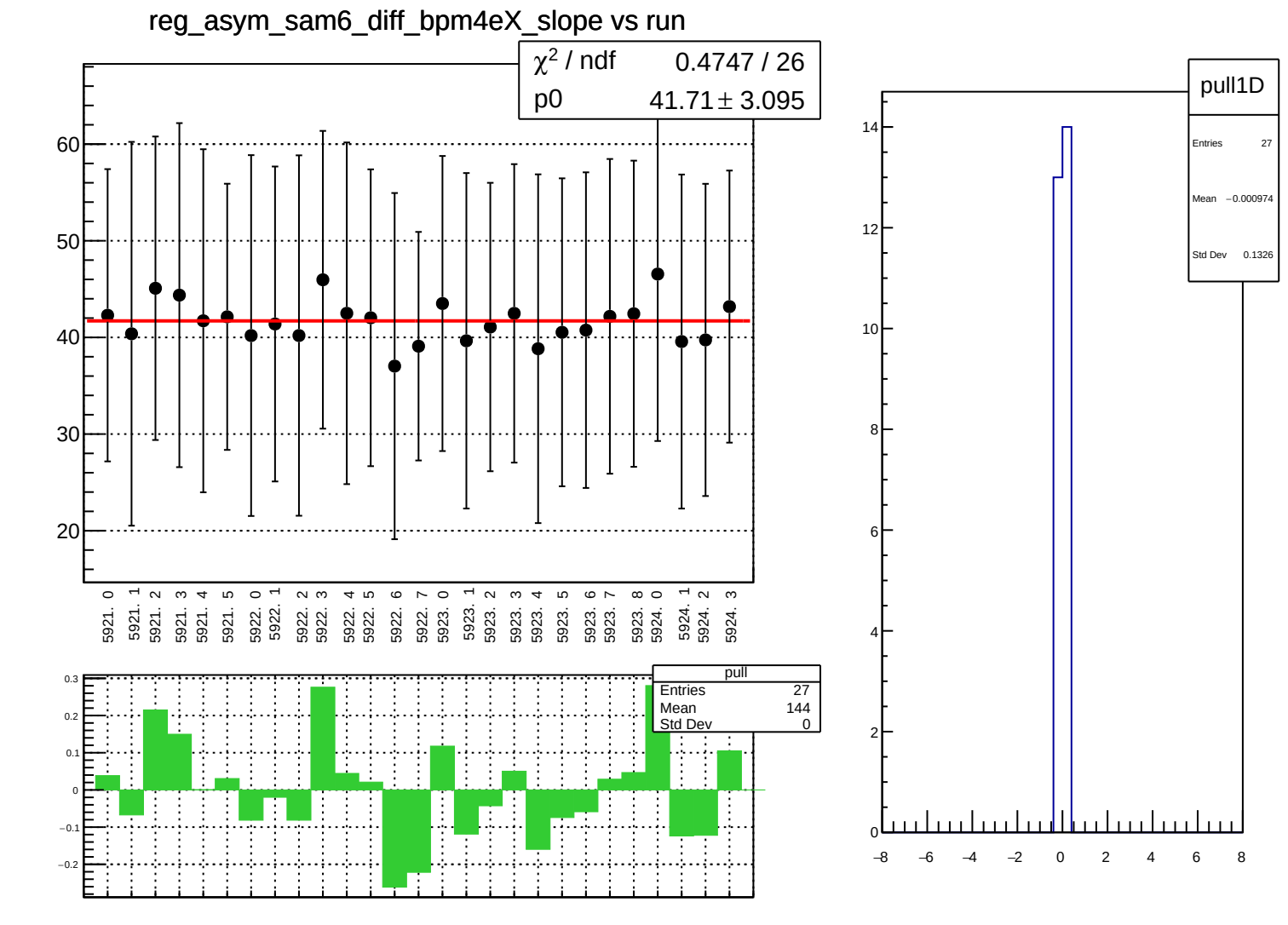

pull1D
Entries 27
Mean −0.03221
Std Dev 0.3836
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

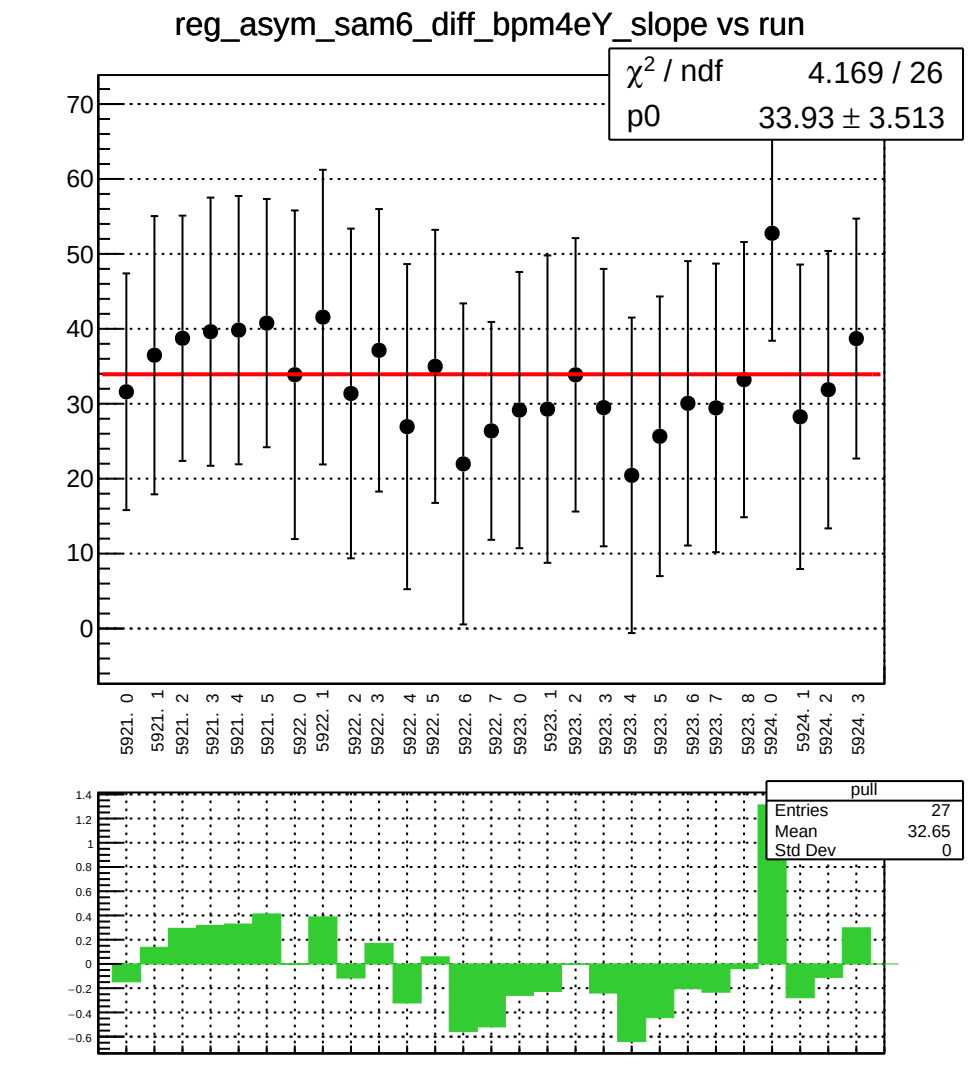

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 0.3707 / 26
p0 −0.09867 ± 0.2824
pull
Entries 27
Mean −15.94
Std Dev 0
pull1D
Entries 27
Mean −0.001289
Std Dev 0.1172

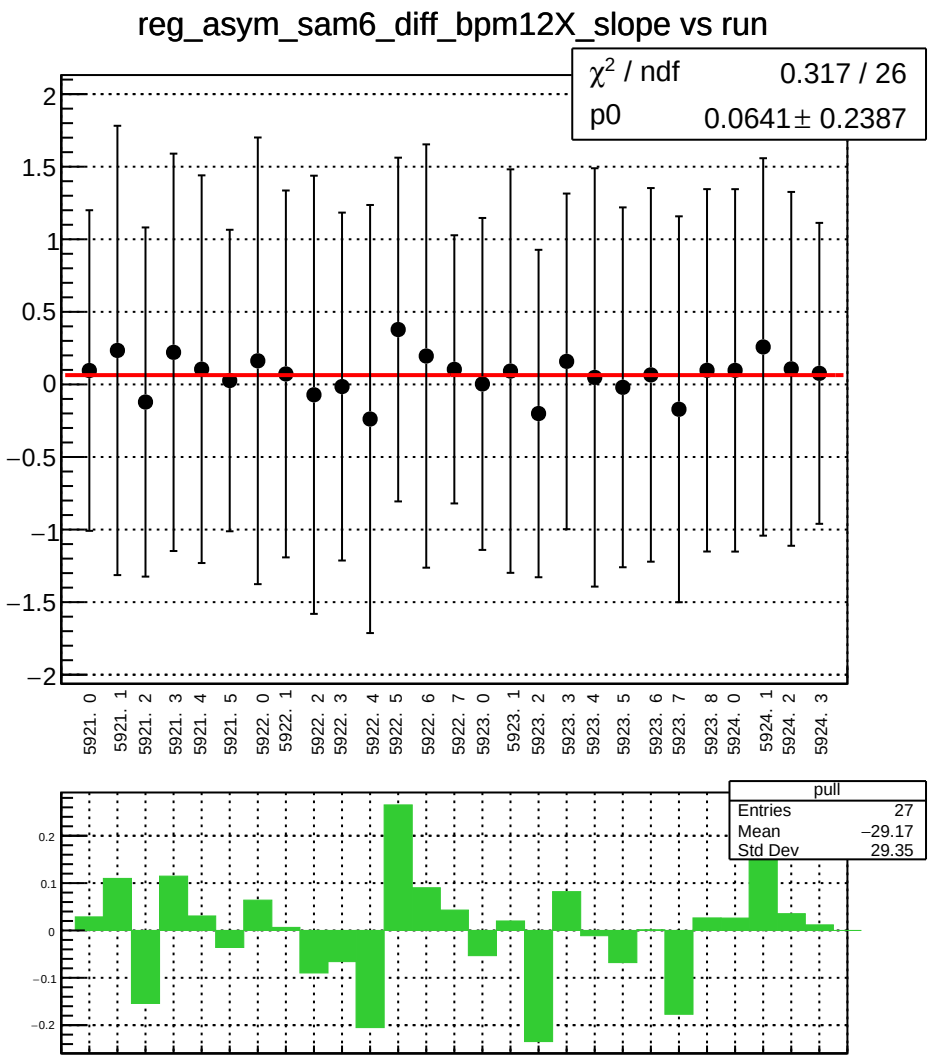

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 0.3778 / 26
p0 16.37 ± 2.168
pull
Entries 27
Mean 114
Std Dev 0
pull1D
Entries 27
Mean 0.0008057
Std Dev 0.1183

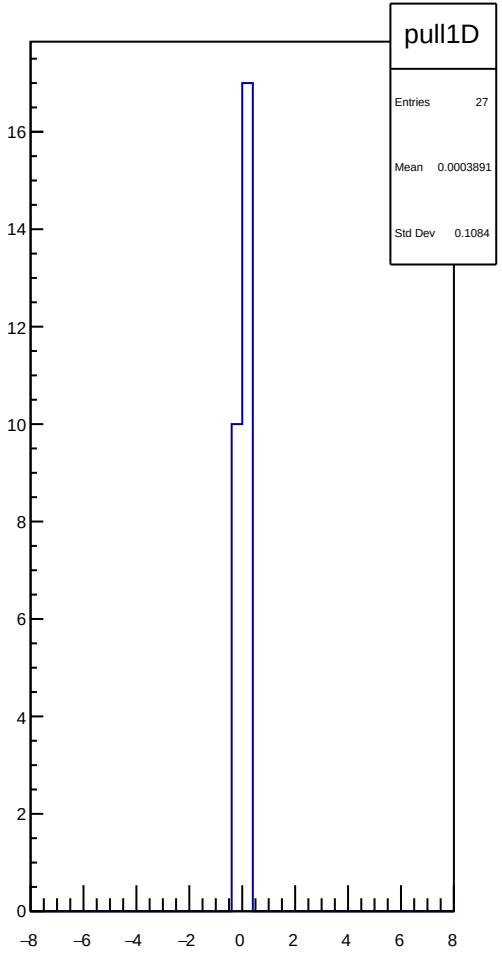

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 4.457 / 26
p0 69.97 ± 3.19
100
90
80
70
60
50
40
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 25.4
Std Dev 0
0.5
0
−0.5
−1
−1.5

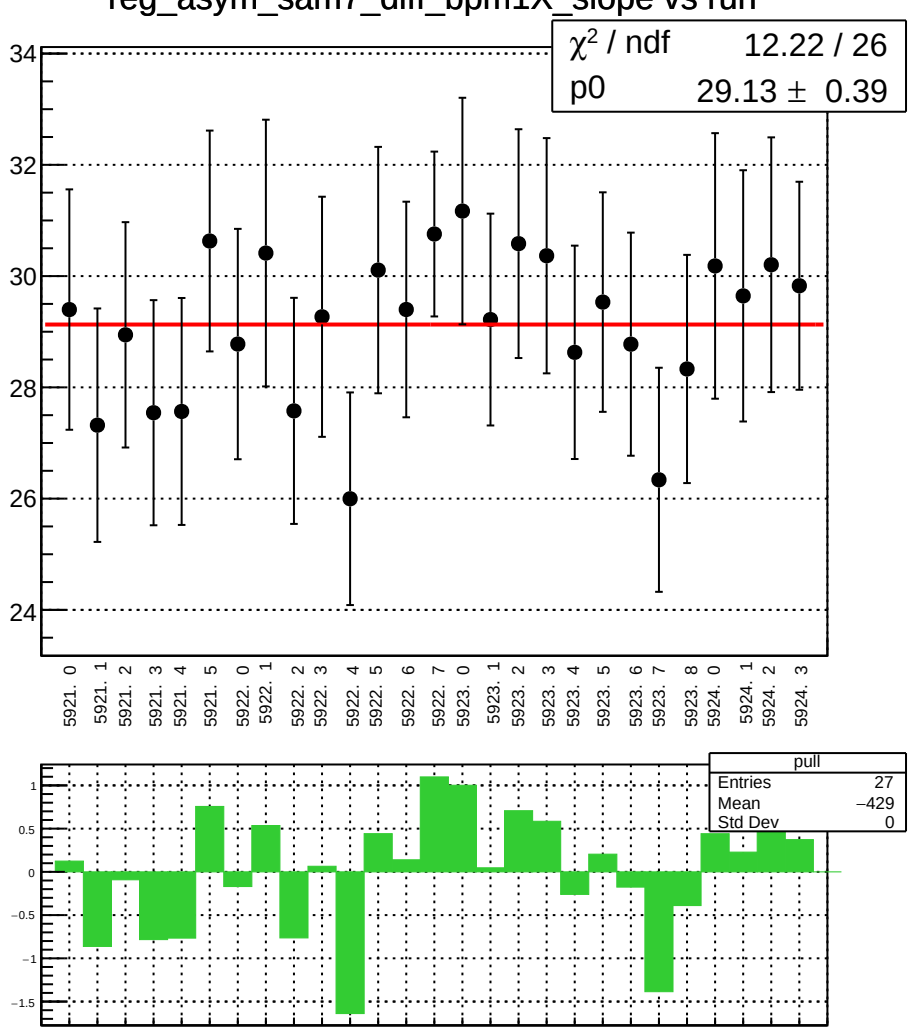

pull1D
Entries 27
Mean 0.02561
Std Dev 0.4055
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

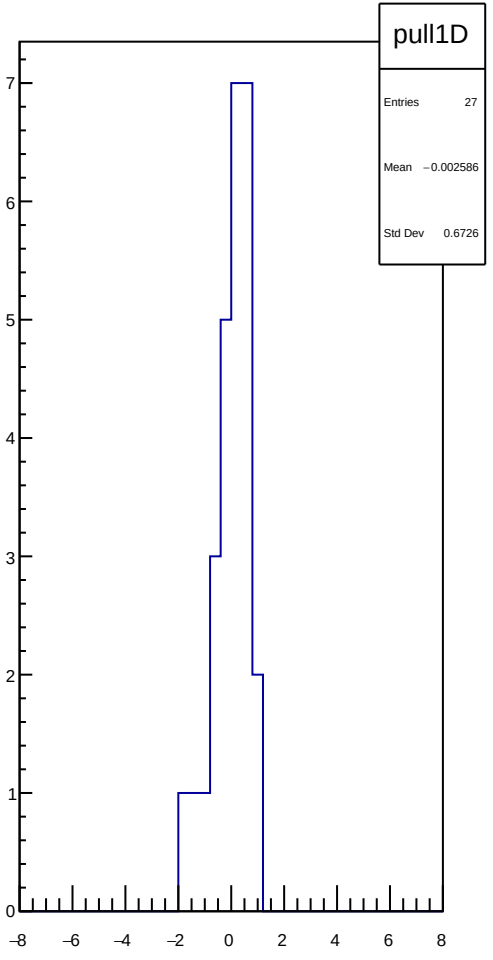

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 0.4747 / 26
p0 41.71 ± 3.095
60
50
40
30
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 144
Std Dev 0
0.3
0.2
0.1
0
−0.1
−0.2
pull1D
Entries 27
Mean −0.000974
Std Dev 0.1326
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

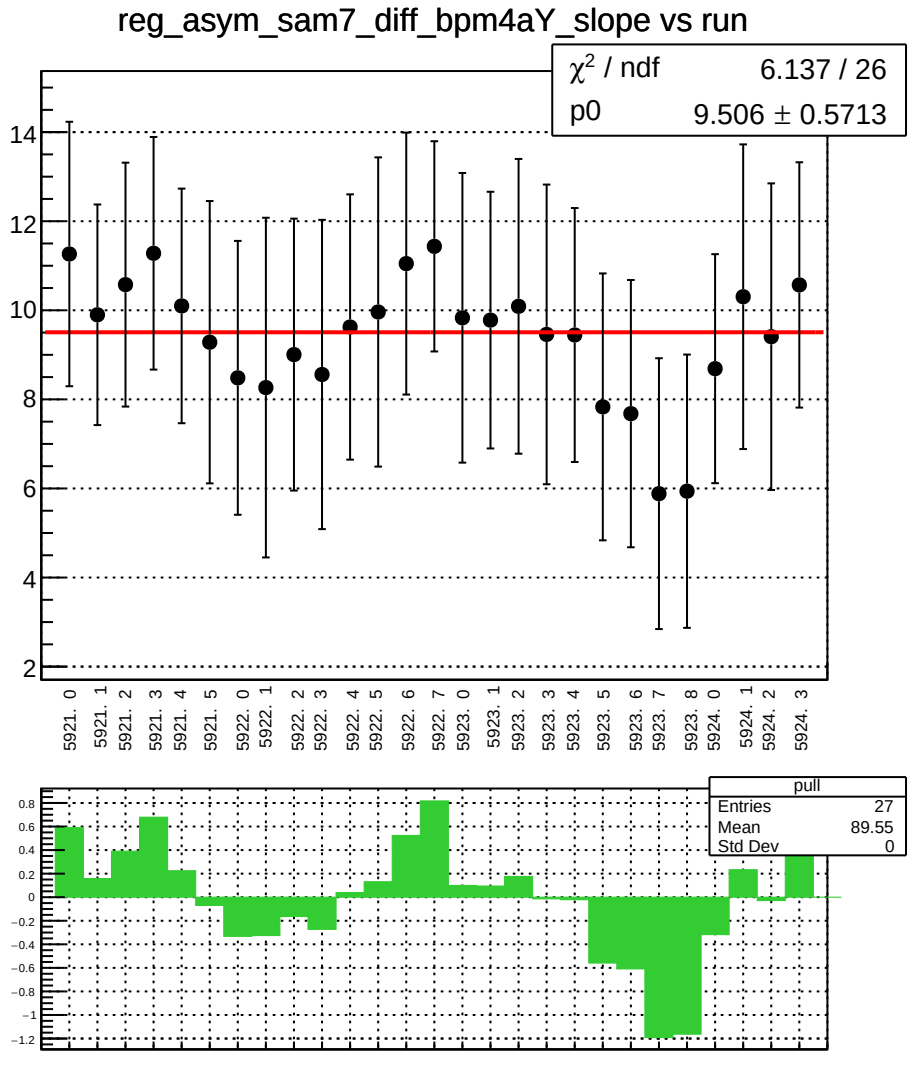

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 4.169 / 26
p0 33.93 ± 3.513
pull
Entries 27
Mean 32.65
Std Dev 0
pull1D
Entries 27
Mean −0.0232
Std Dev 0.3922

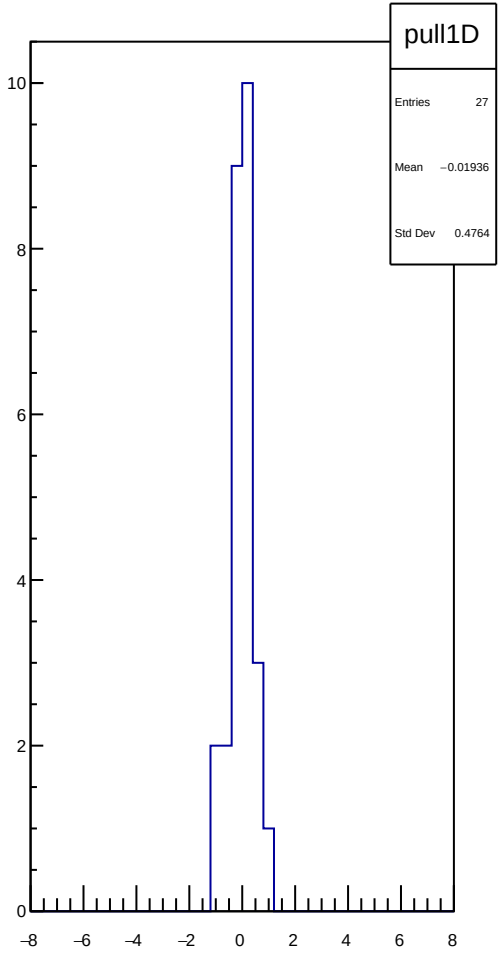

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 0.317 / 26
p0 0.0641 ± 0.2387
pull
Entries 27
Mean −29.17
Std Dev 29.35

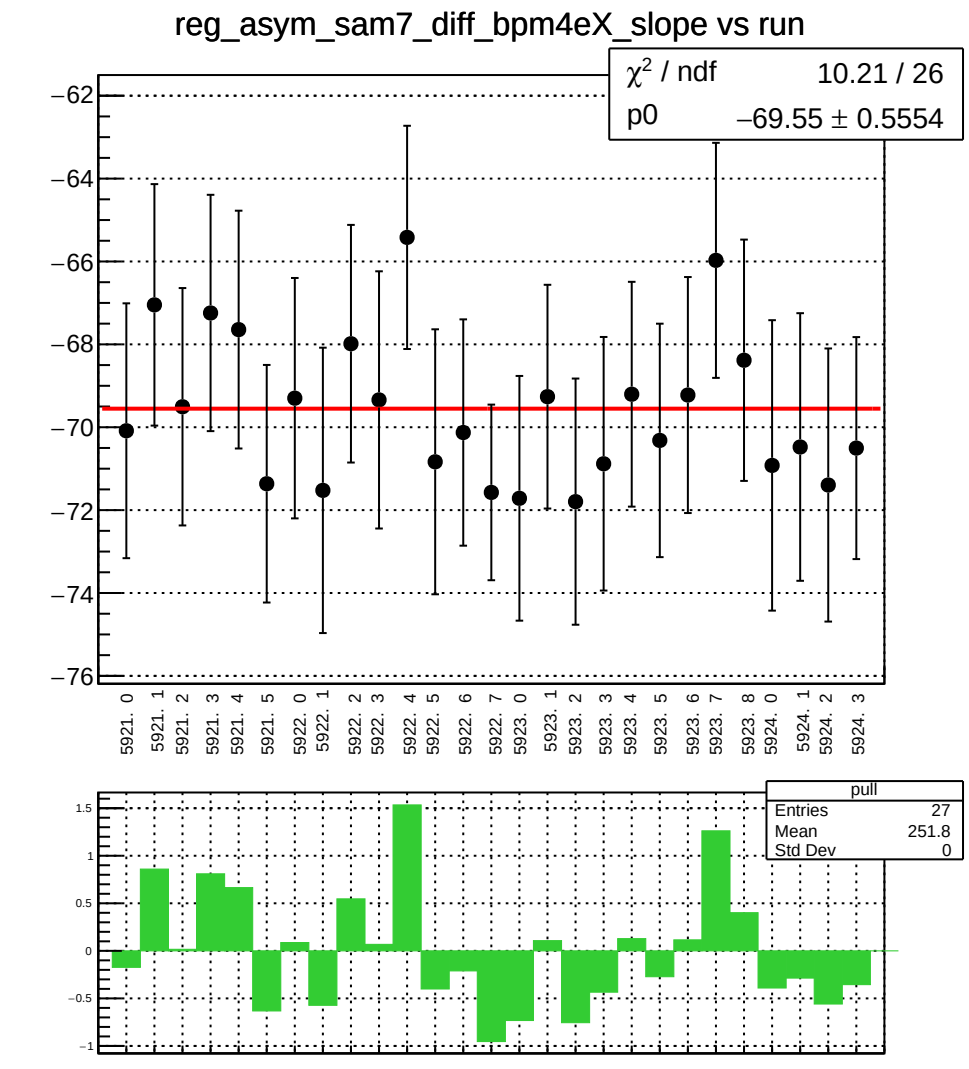

pull1D
Entries 27
Mean 0.0003891
Std Dev 0.1084

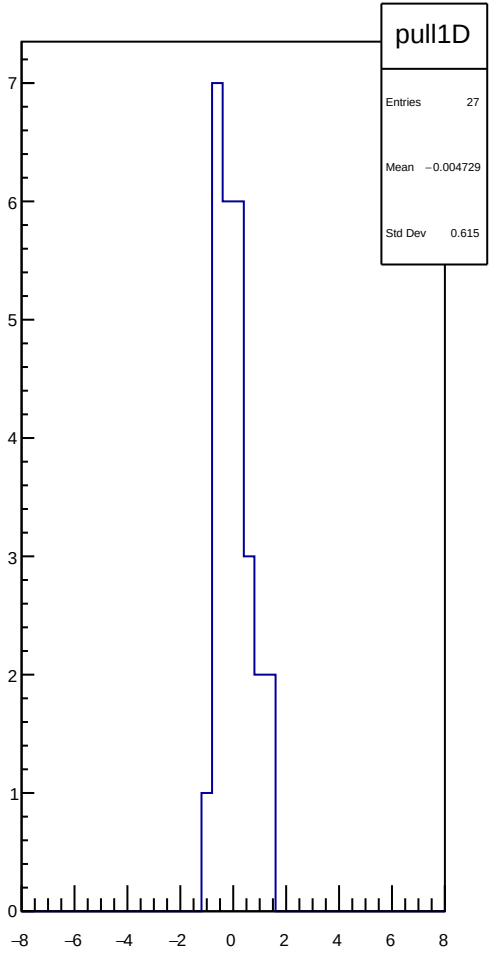

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 12.22 / 26
p0 29.13 ± 0.39
pull
Entries 27
Mean −429
Std Dev 0

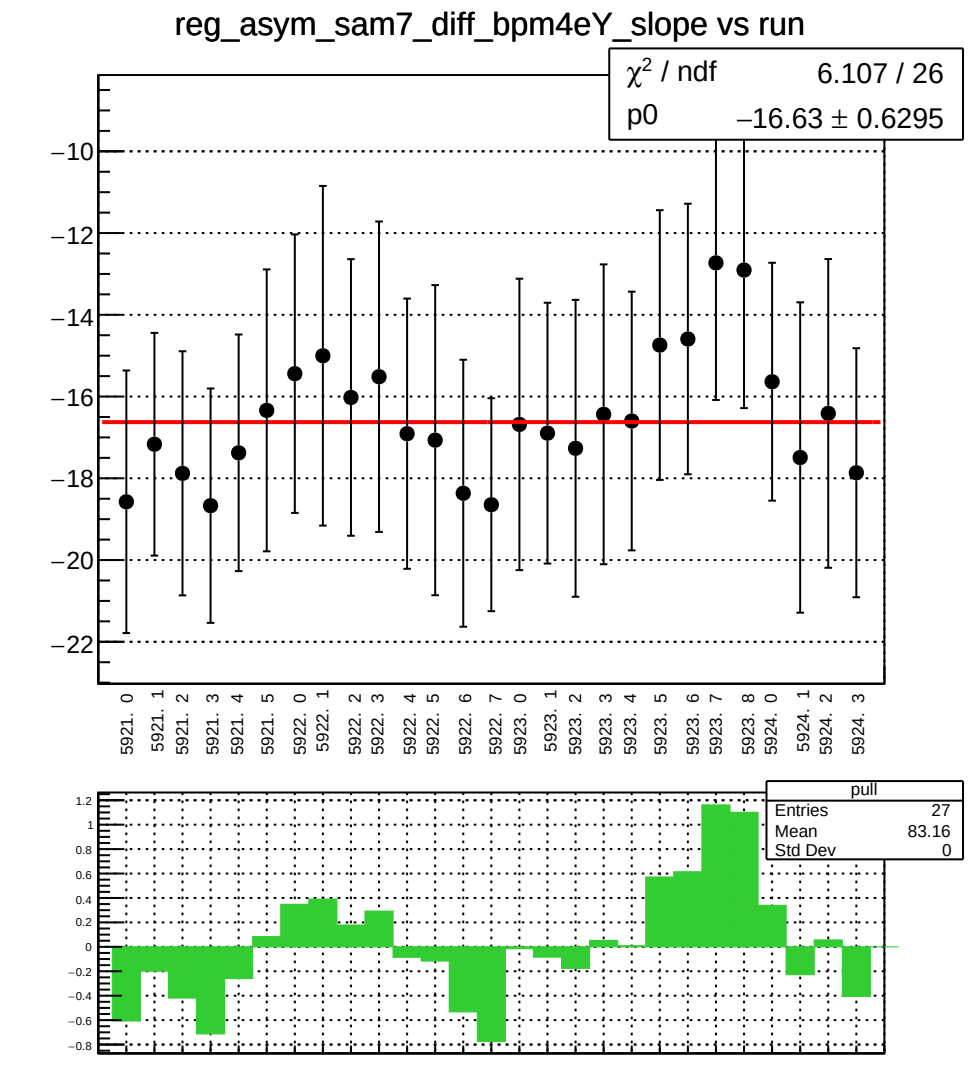

pull1D
Entries 27
Mean −0.002586
Std Dev 0.6726

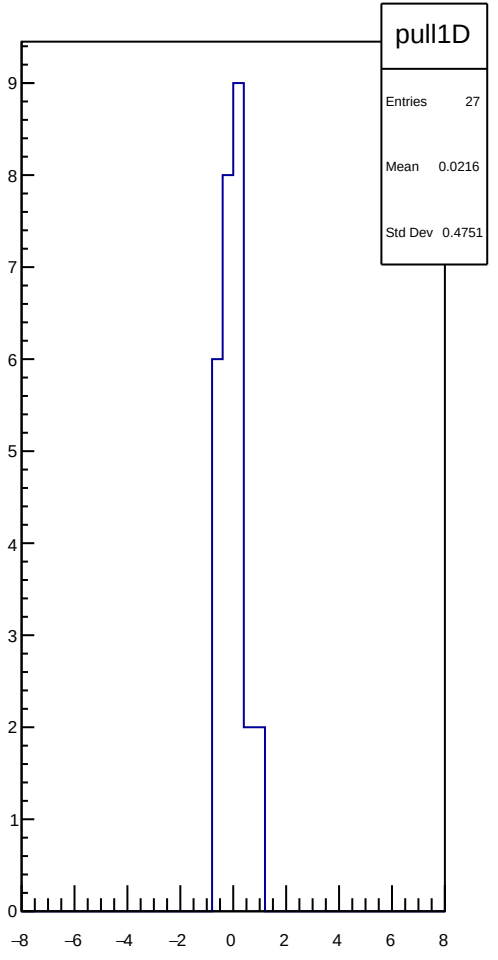

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 6.137 / 26
p0 9.506 ± 0.5713
pull
Entries 27
Mean 89.55
Std Dev 0

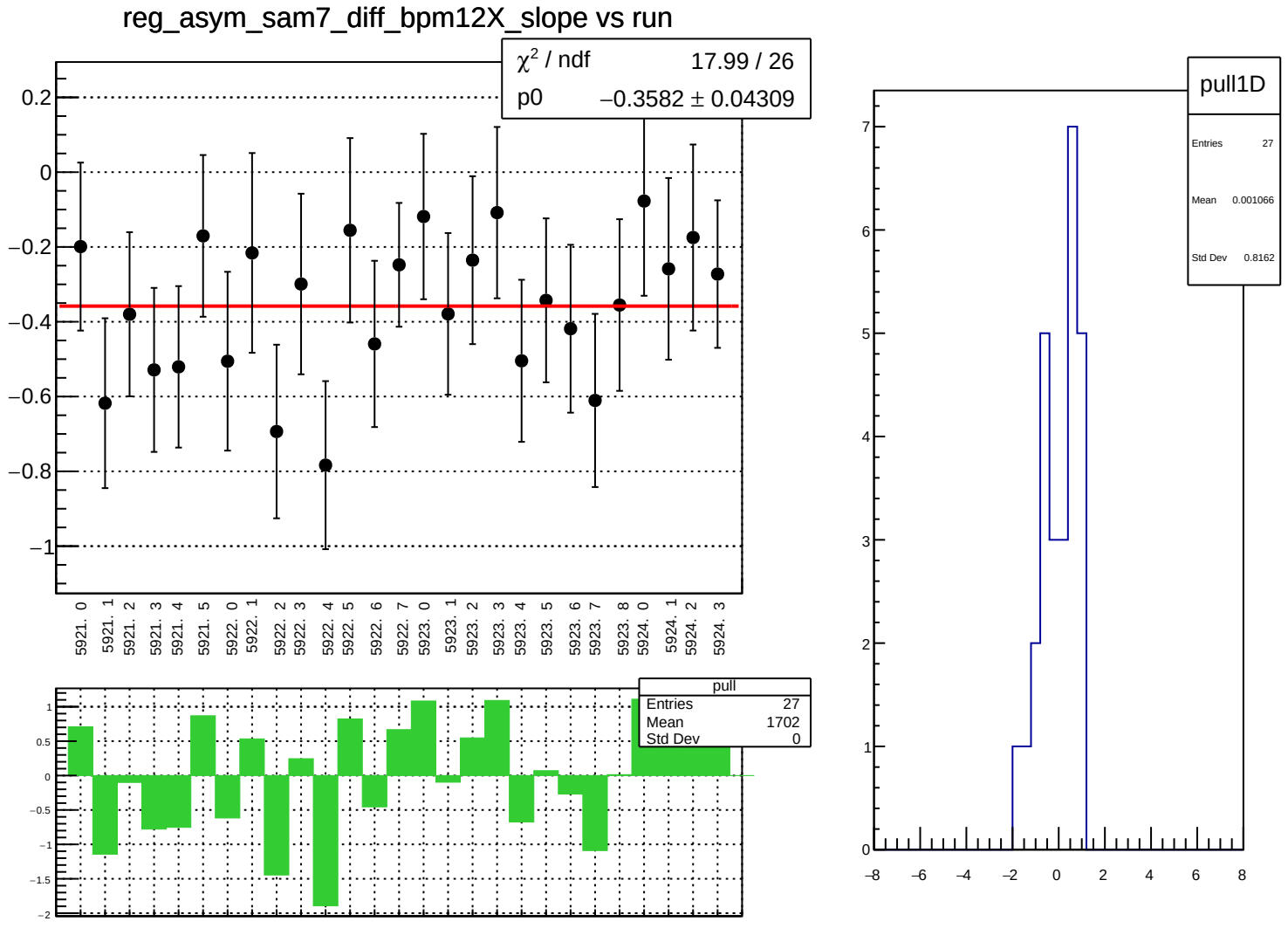

pull1D
Entries 27
Mean −0.01936
Std Dev 0.4764

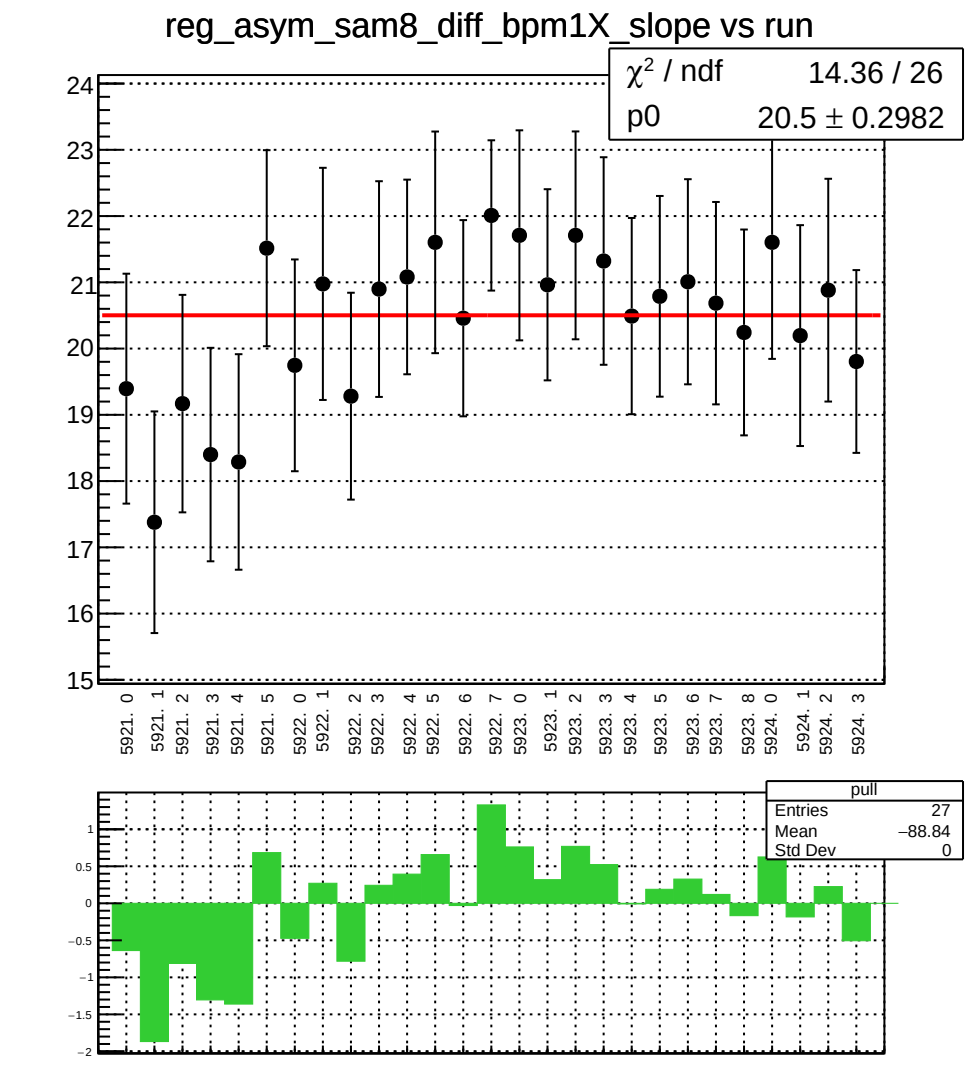

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 10.21 / 26
p0 −69.55 ± 0.5554
−62
−64
−66
−68
−70
−72
−74
−76
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 251.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1

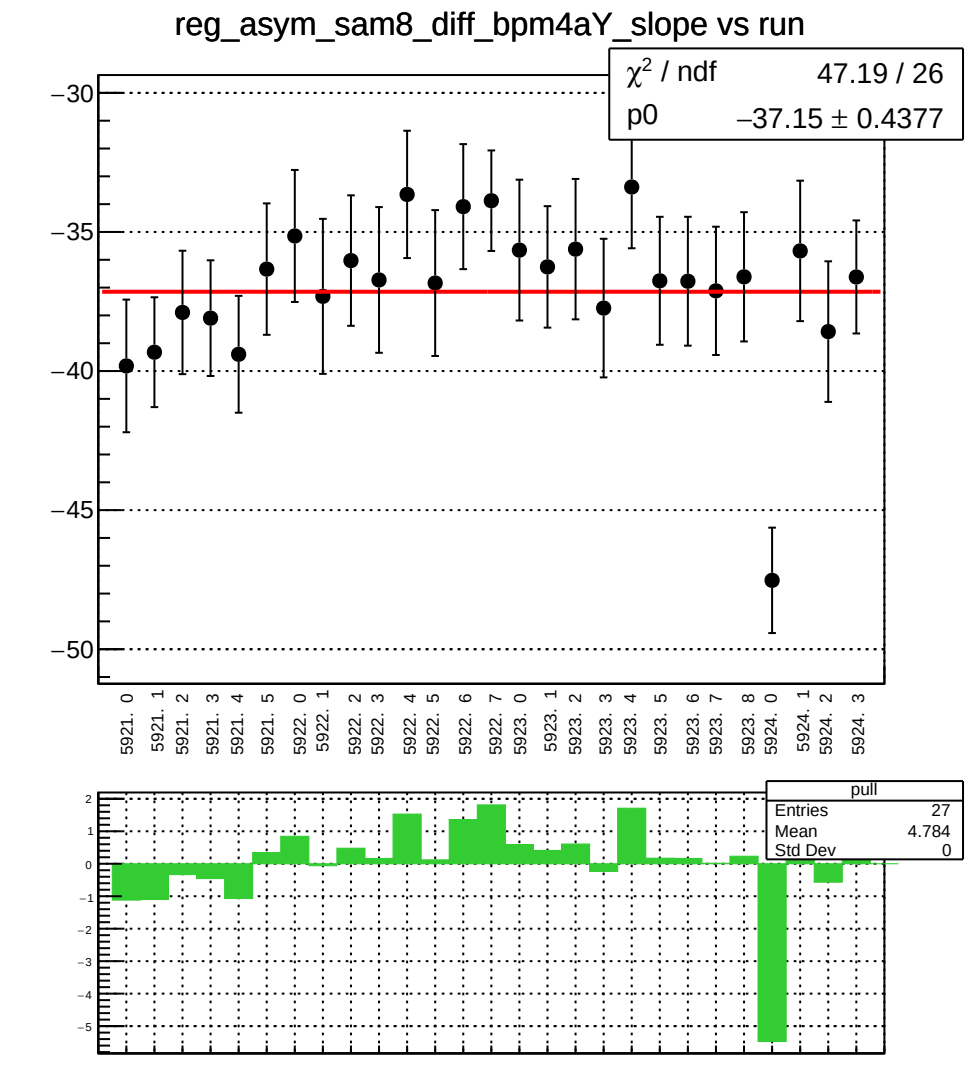

pull1D
Entries 27
Mean −0.004729
Std Dev 0.615
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

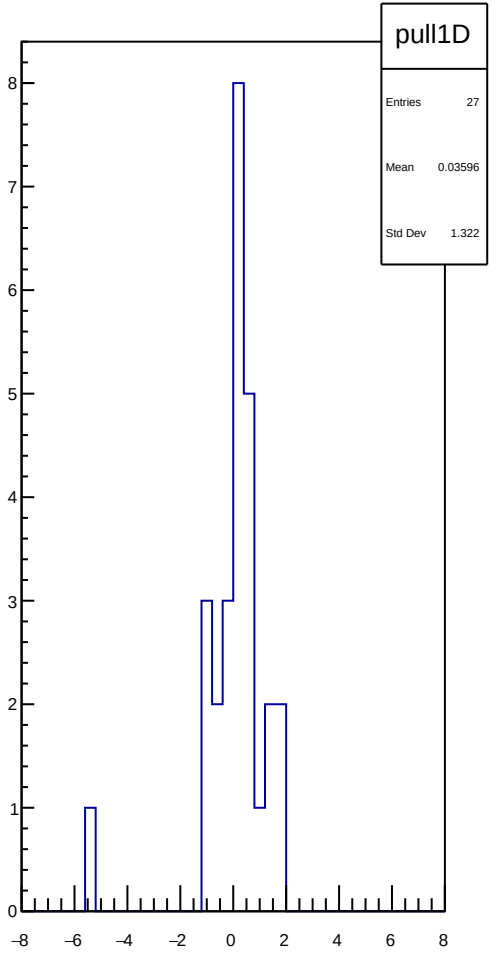

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 6.107 / 26
p0 −16.63 ± 0.6295
pull
Entries 27
Mean 83.16
Std Dev 0

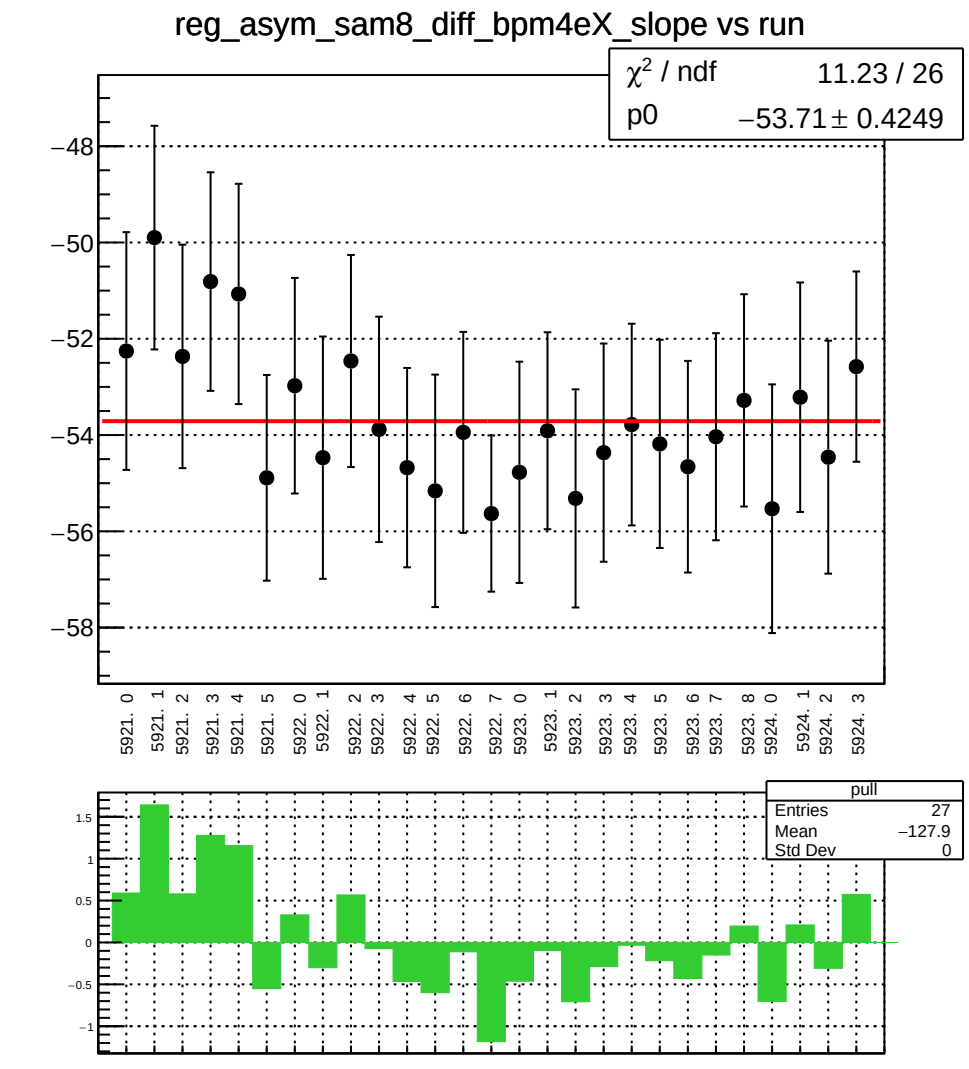

pull1D
Entries 27
Mean 0.0216
Std Dev 0.4751

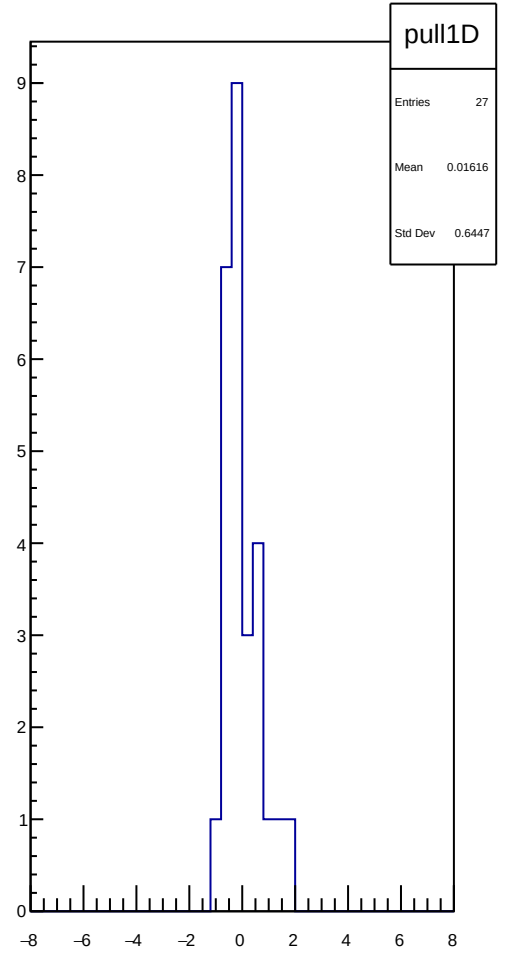

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 17.99 / 26
p0 −0.3582 ± 0.04309
pull
Entries 27
Mean 1702
Std Dev 0
pull1D
Entries 27
Mean 0.001066
Std Dev 0.8162

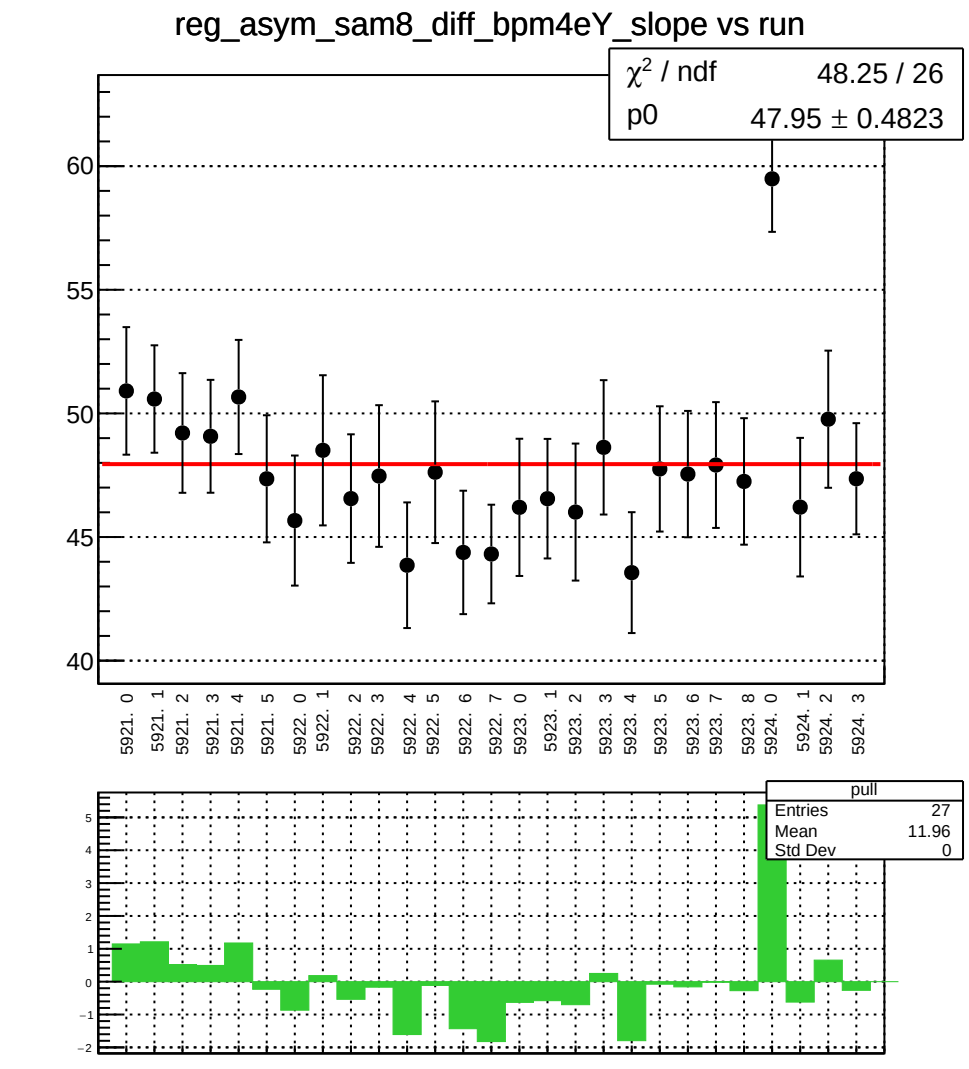

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 14.36 / 26
p0 20.5 ± 0.2982
pull
Entries 27
Mean −88.84
Std Dev 0
pull1D
Entries 27
Mean −0.02556
Std Dev 0.7289

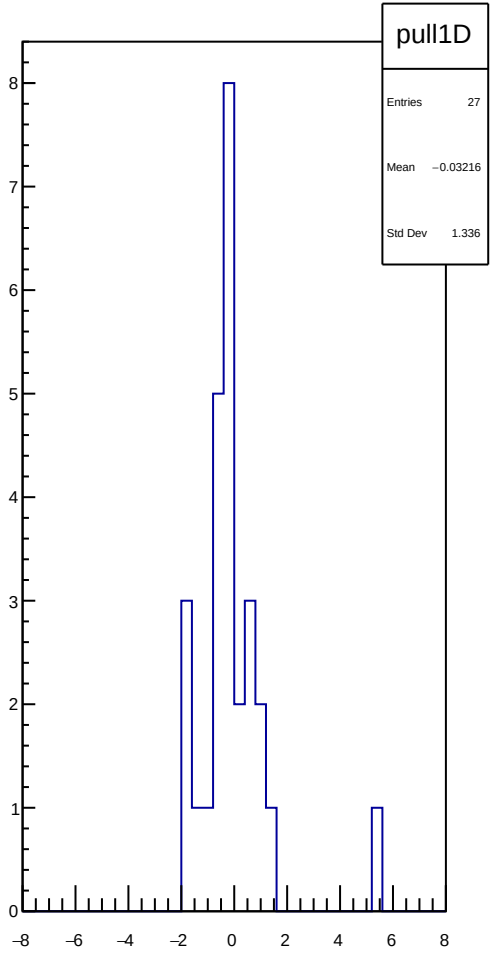

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 47.19 / 26
p0 −37.15 ± 0.4377
−30
−35
−40
−45
−50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 4.784
Std Dev 0
2
1
0
−1
−2
−3
−4
−5

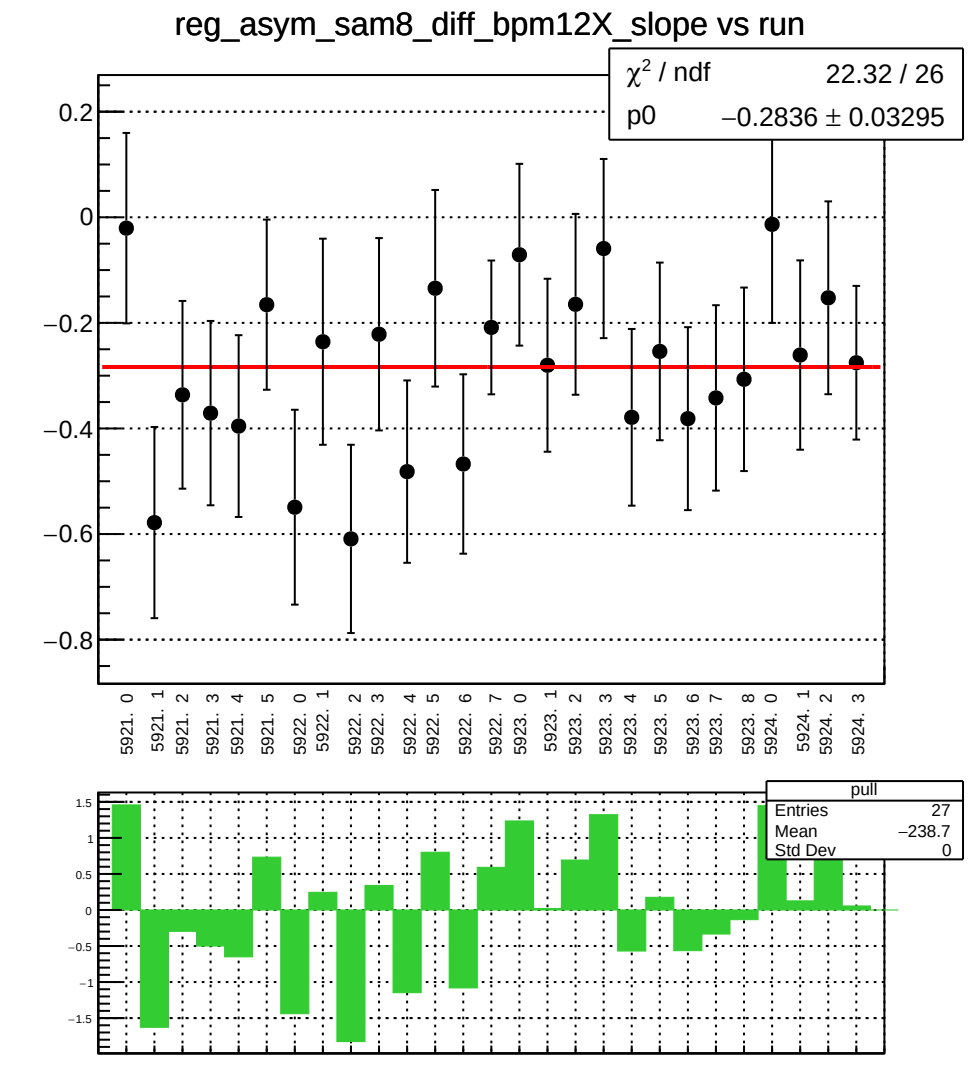

pull1D
Entries 27
Mean 0.03596
Std Dev 1.322
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

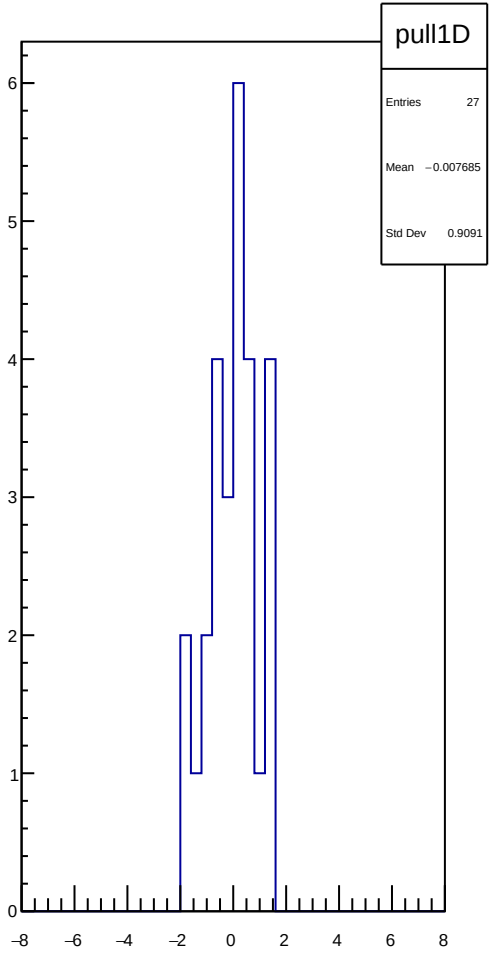

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 11.23 / 26
p0 −53.71 ± 0.4249
−48
−50
−52
−54
−56
−58
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −127.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1

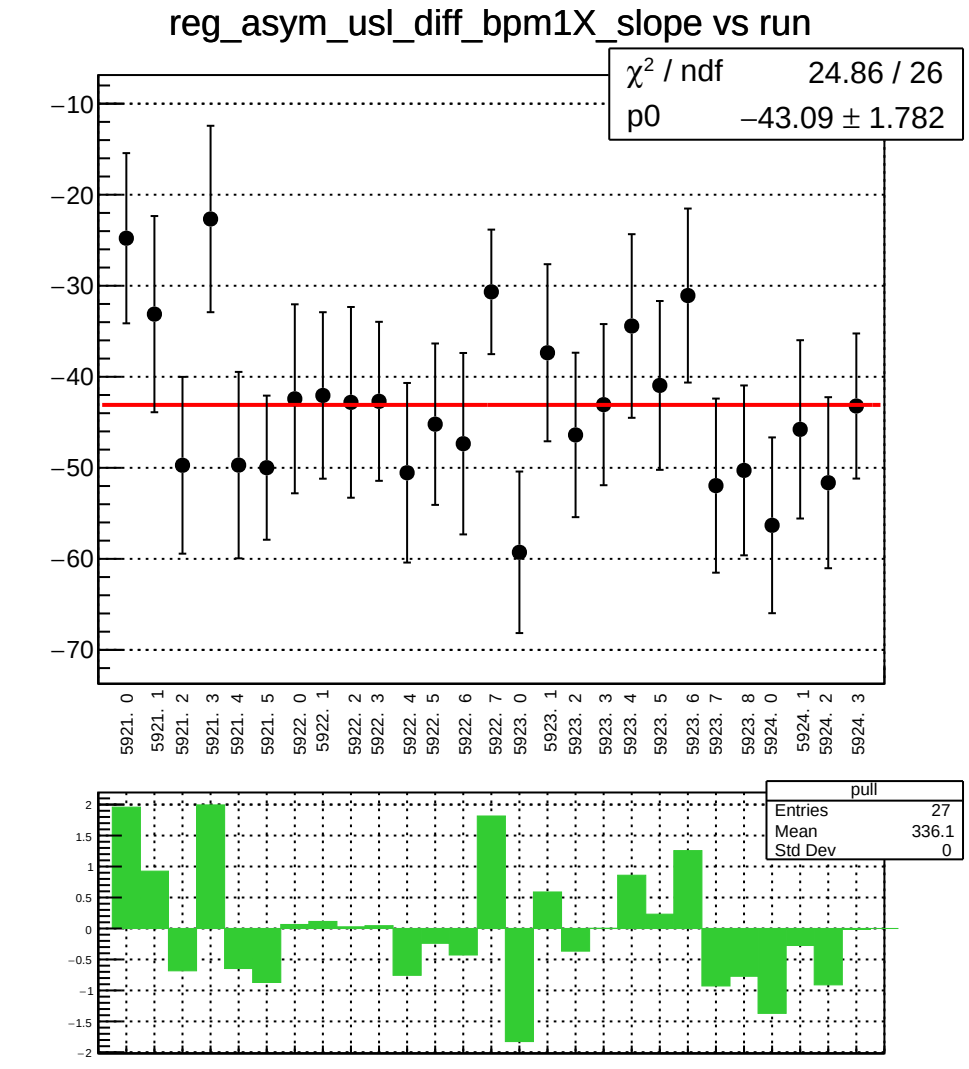

pull1D
Entries 27
Mean 0.01616
Std Dev 0.6447
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

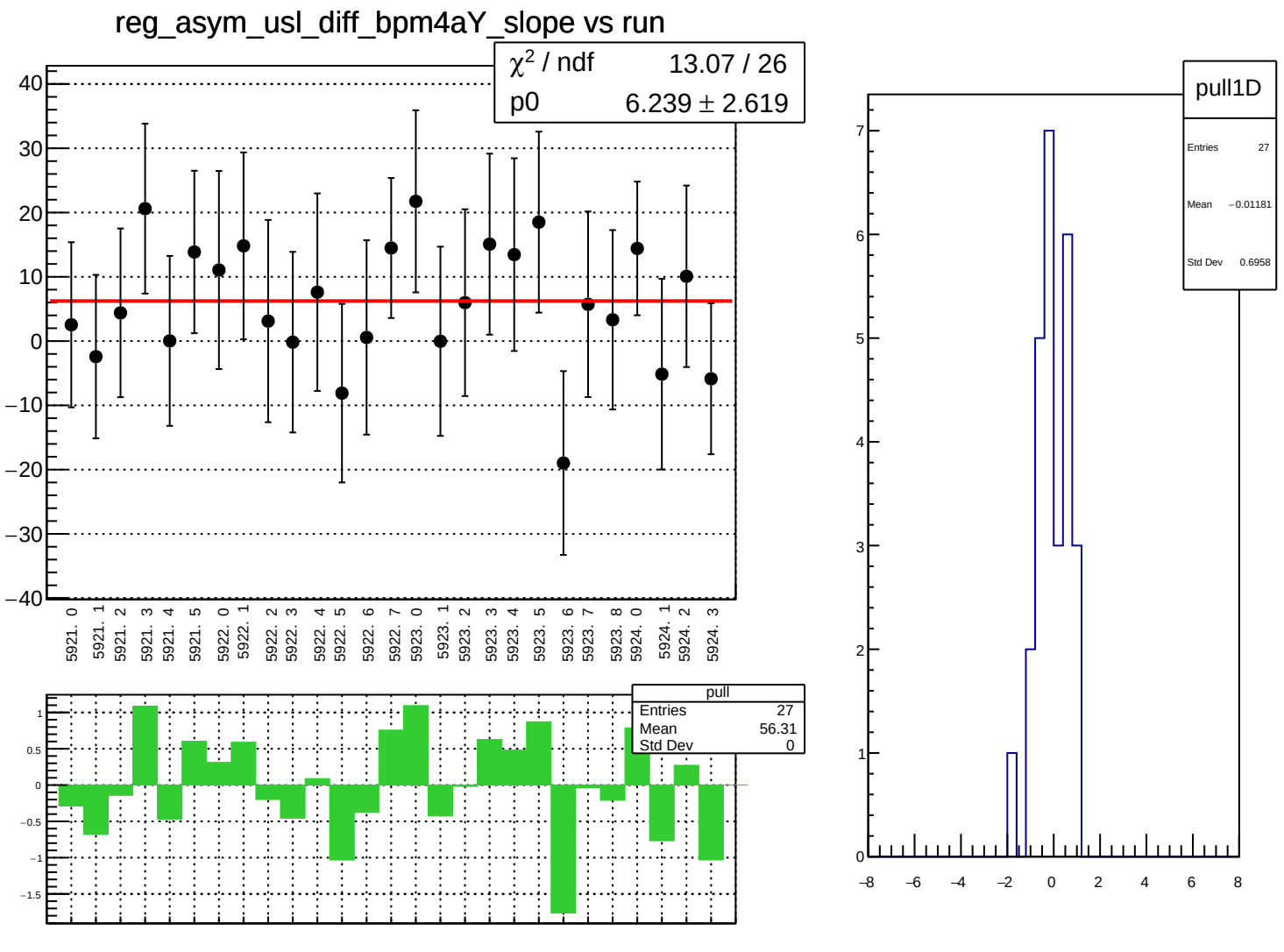

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 48.25 / 26
p0 47.95 ± 0.4823
60
55
50
45
40
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 11.96
Std Dev 0
5
4
3
2
1
0
−1
−2

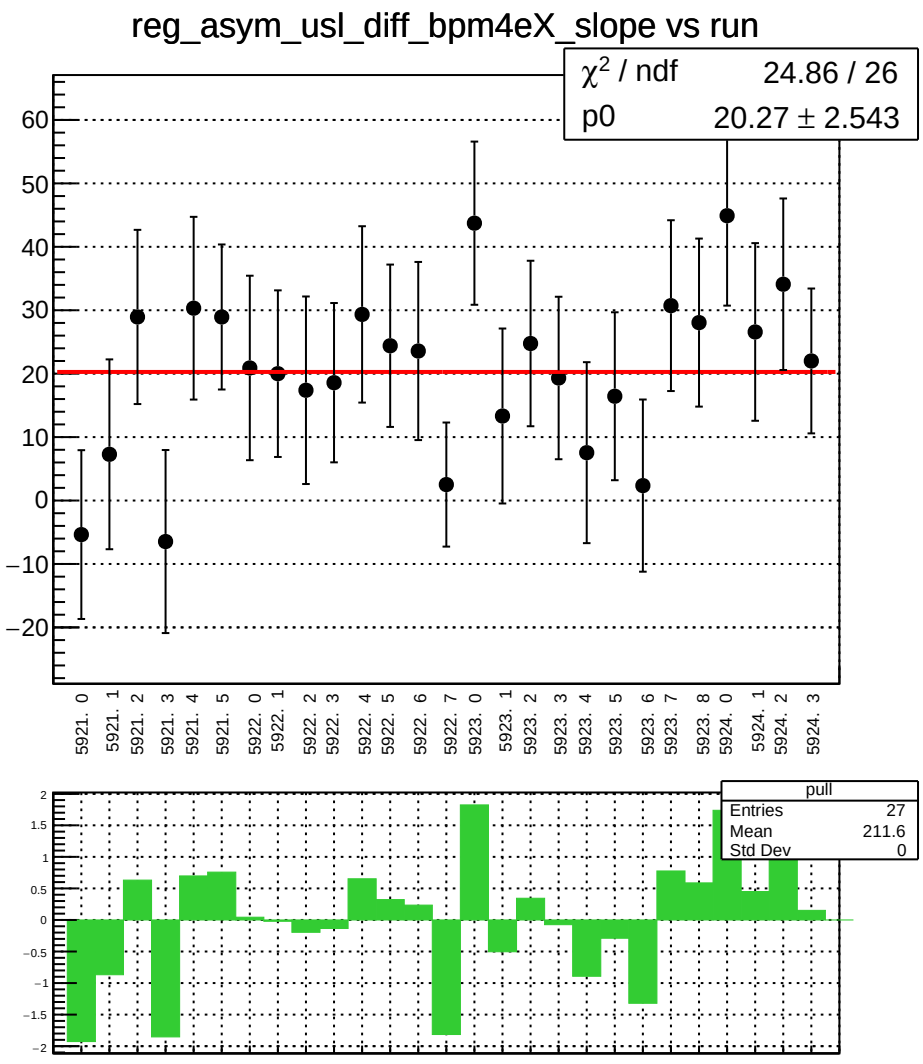

pull1D
Entries 27
Mean −0.03216
Std Dev 1.336
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

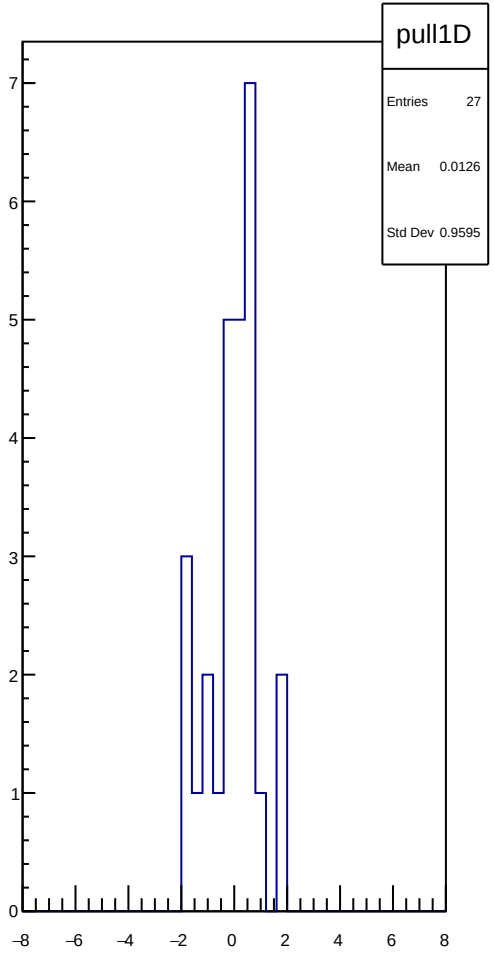

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 22.32 / 26
p0 −0.2836 ± 0.03295
0.2
0
−0.2
−0.4
−0.6
−0.8
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −238.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

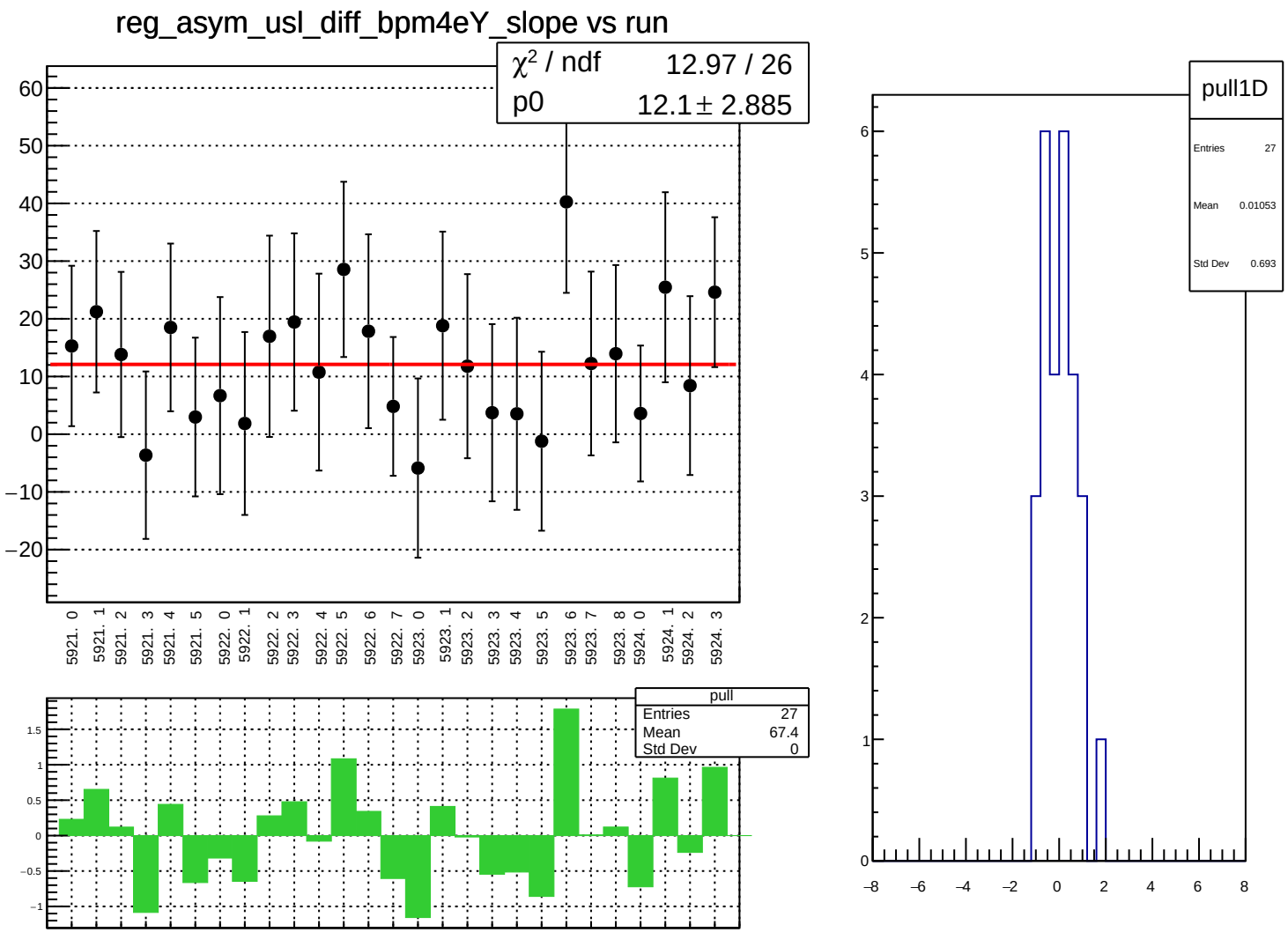

pull1D
Entries 27
Mean −0.007685
Std Dev 0.9091
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

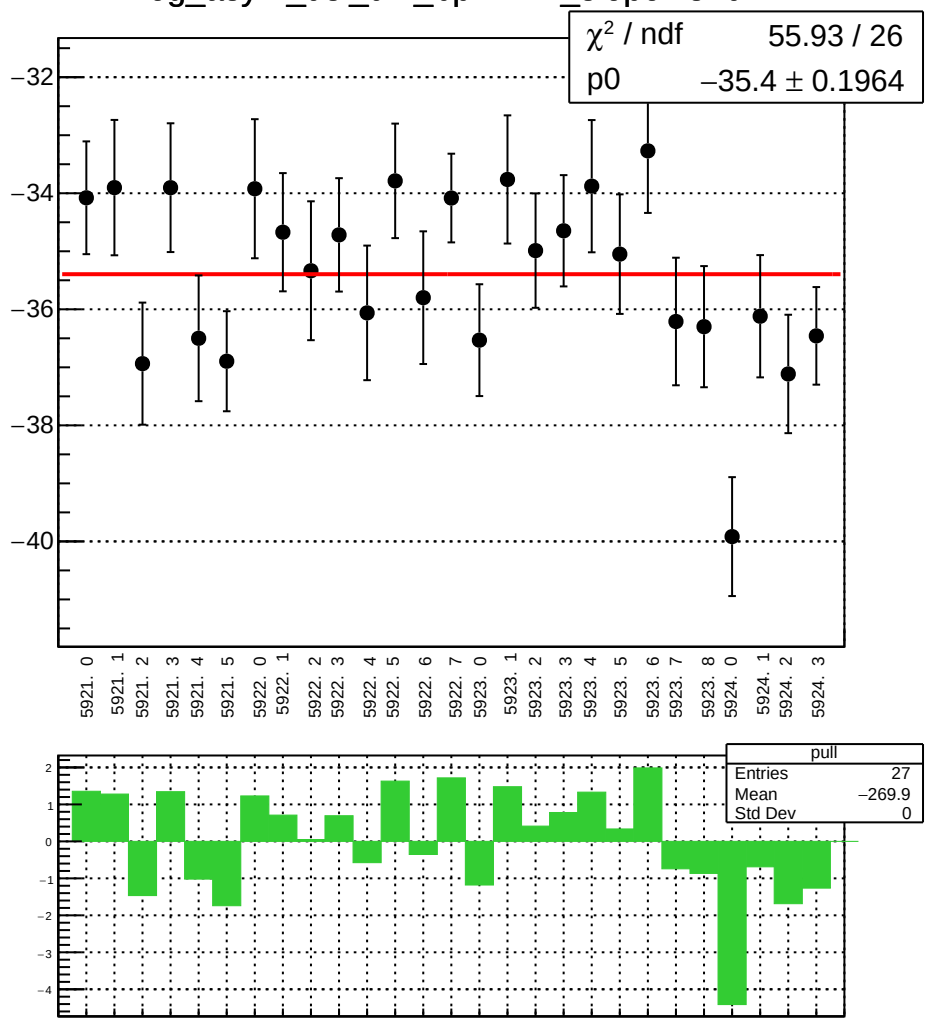

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 24.86 / 26
p0 −43.09 ± 1.782
−10
−20
−30
−40
−50
−60
−70
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 336.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.00734
Std Dev 0.9595
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

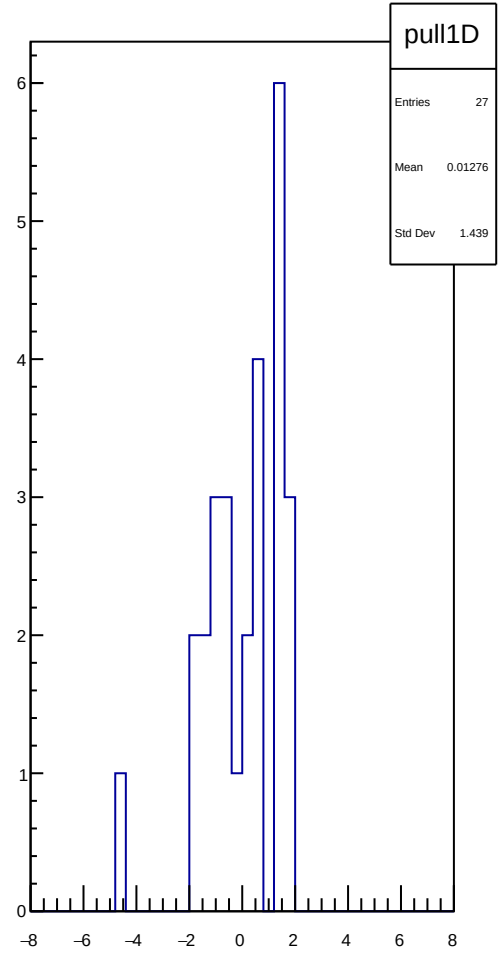

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 13.07 / 26
p0 6.239 ± 2.619
pull
Entries 27
Mean 56.31
Std Dev 0
pull1D
Entries 27
Mean −0.01181
Std Dev 0.6958

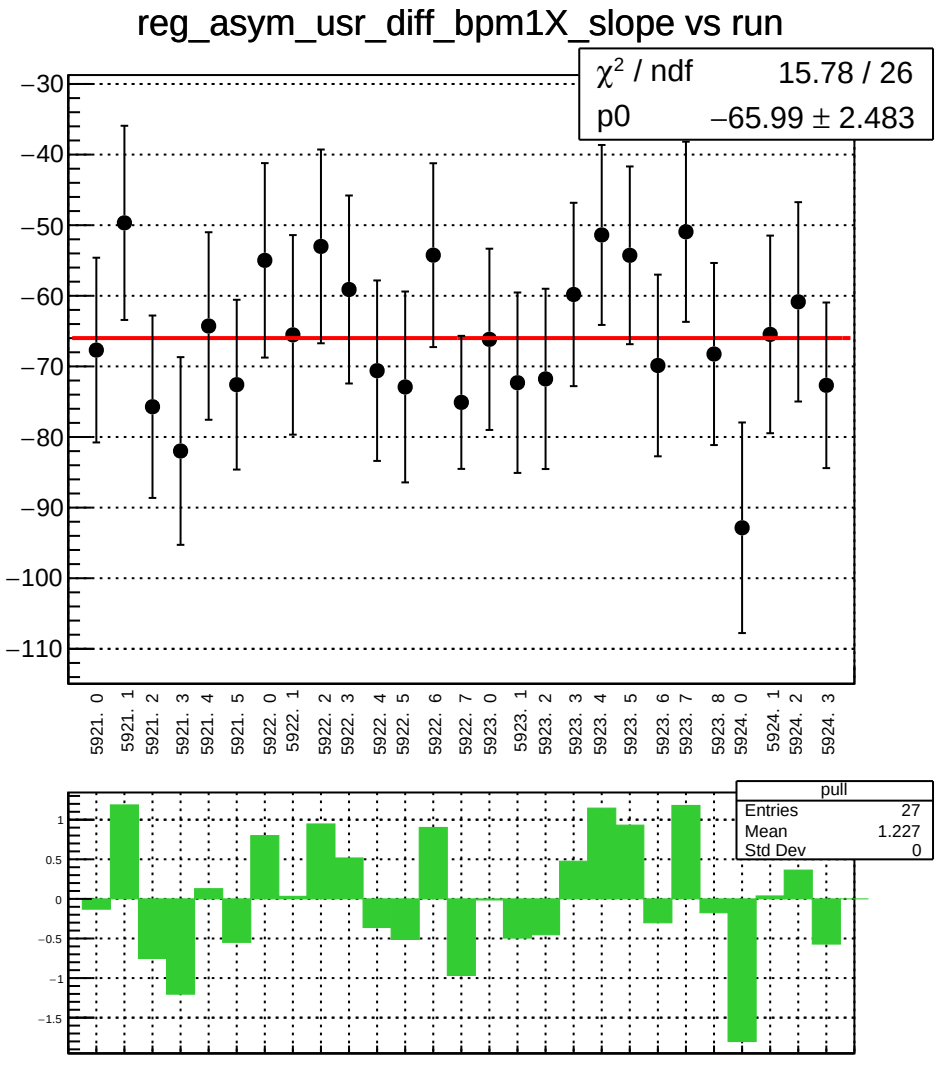

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 24.86 / 26
p0 20.27 ± 2.543
pull
Entries 27
Mean 211.6
Std Dev 0

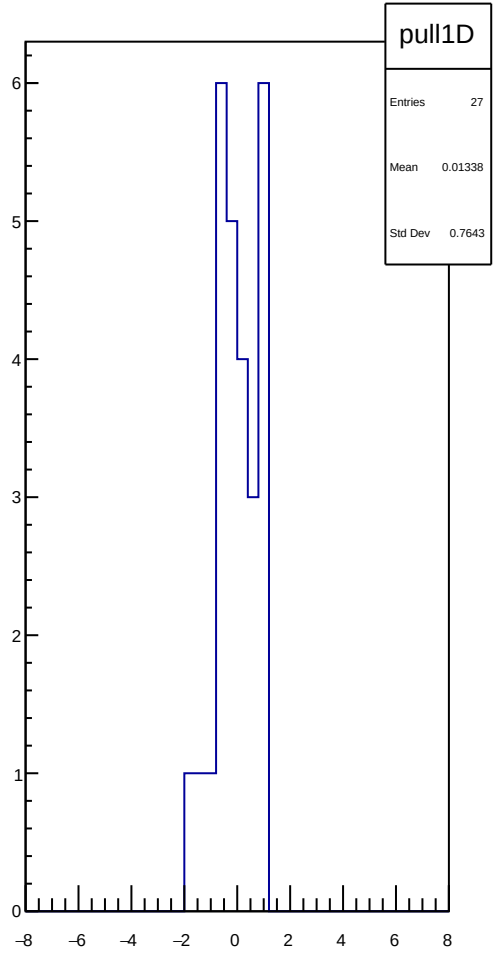

pull1D
Entries 27
Mean 0.0126
Std Dev 0.9595

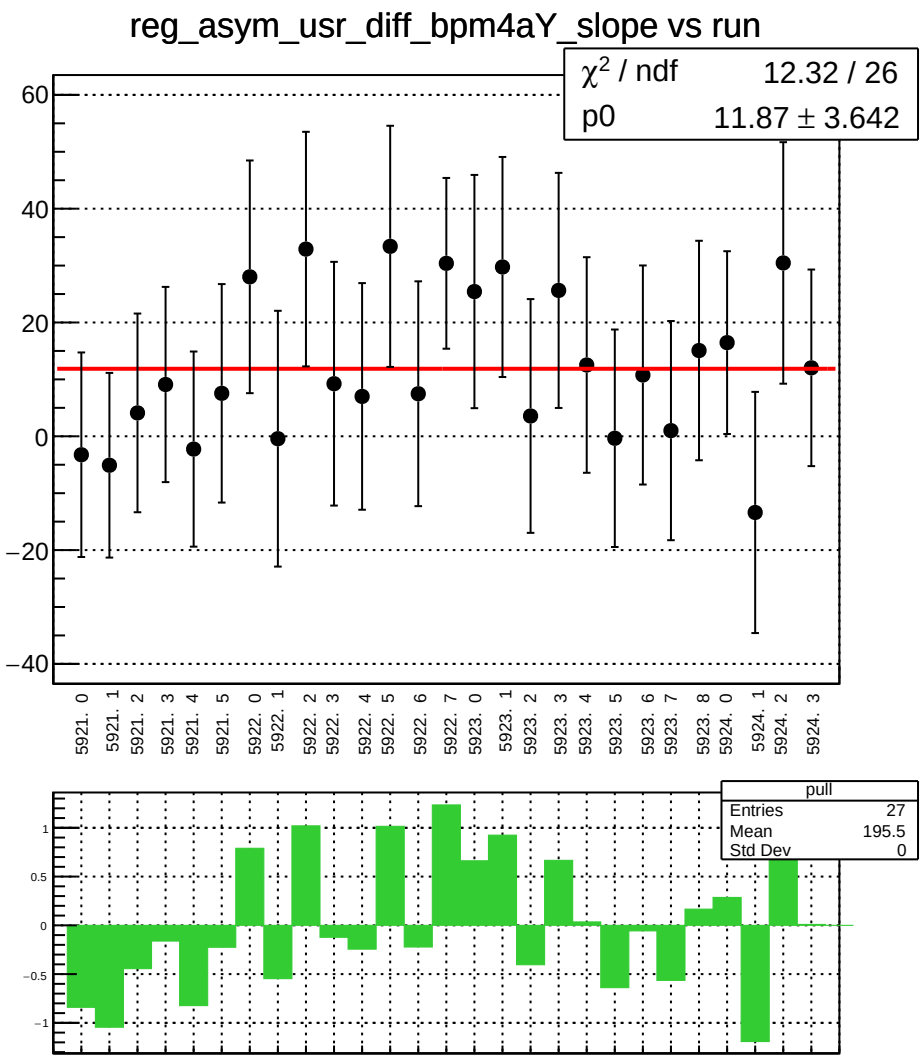

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 12.97 / 26
p0 12.1 ± 2.885
pull
Entries 27
Mean 67.4
Std Dev 0
pull1D
Entries 27
Mean 0.01053
Std Dev 0.693

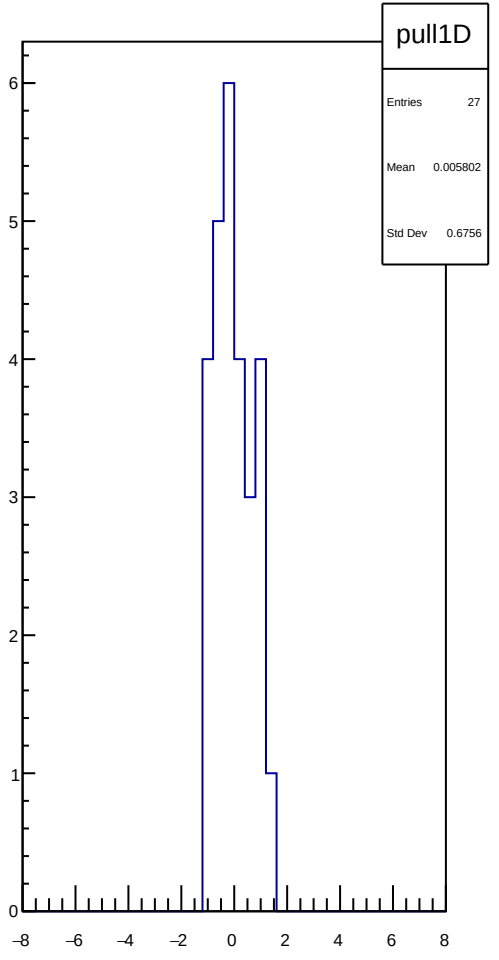

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 55.93 / 26
p0 −35.4 ± 0.1964
−32
−34
−36
−38
−40
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −269.9
Std Dev 0
2
1
0
−1
−2
−3
−4

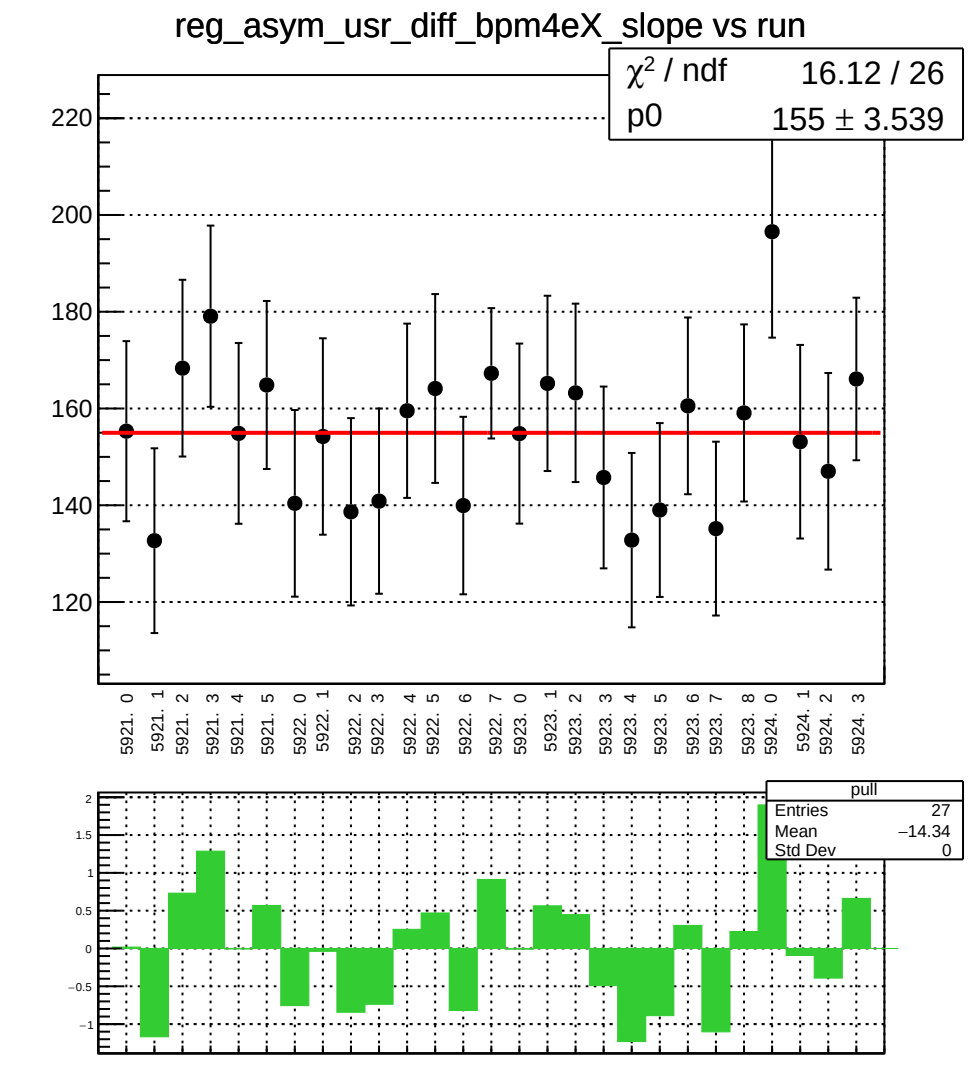

pull1D
Entries 27
Mean 0.01276
Std Dev 1.439
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

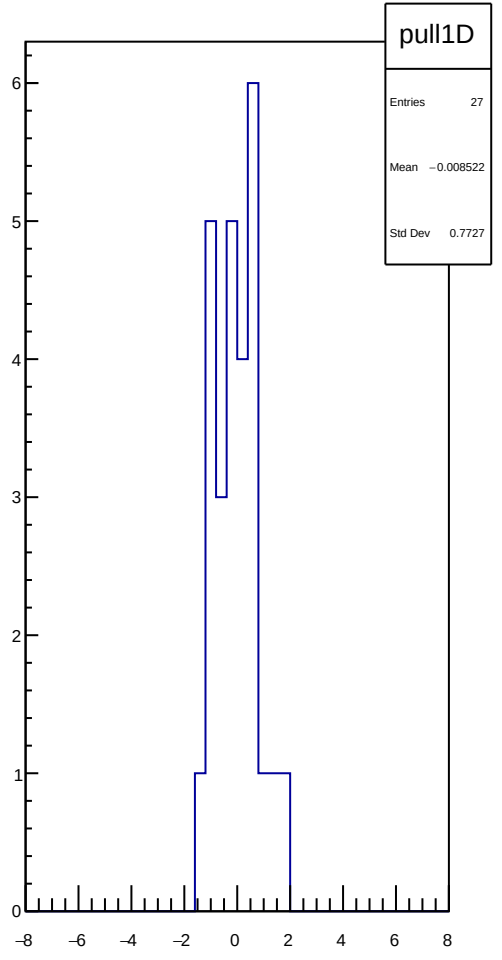

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 15.78 / 26
p0 −65.99 ± 2.483
pull
Entries 27
Mean 1.227
Std Dev 0

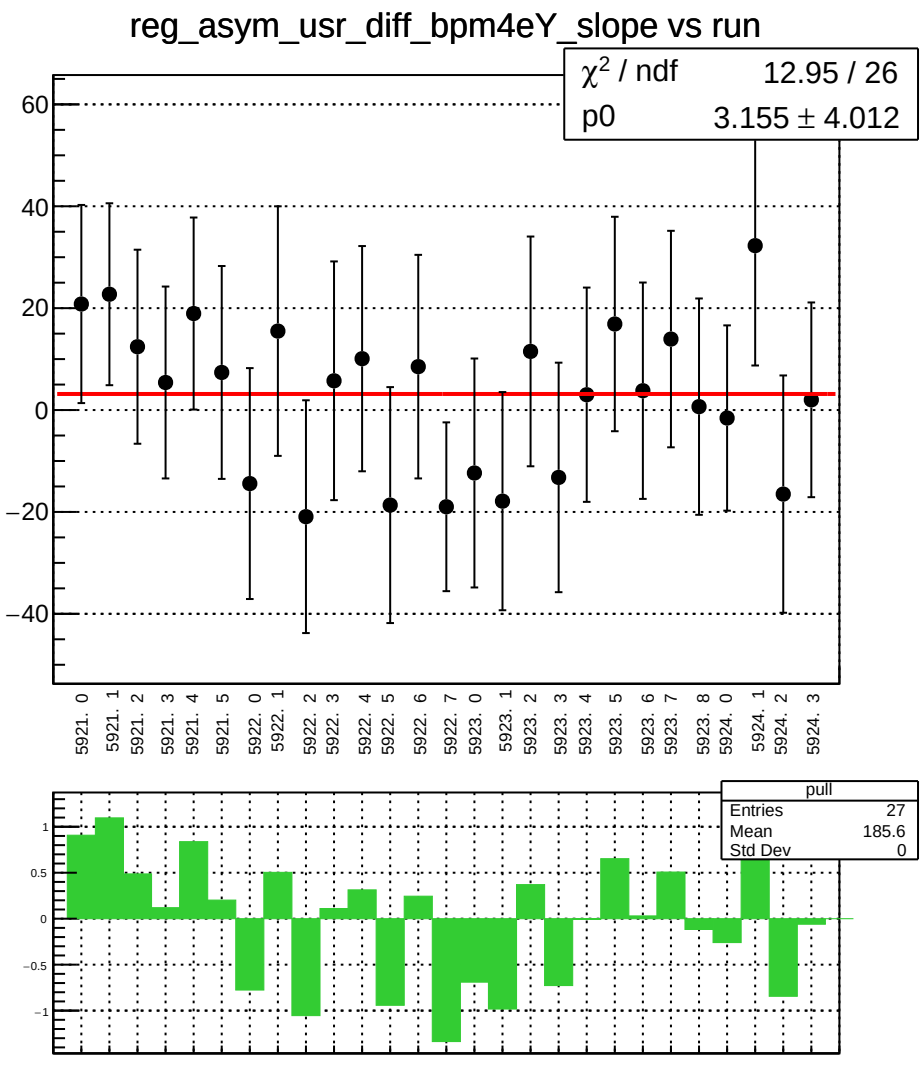

pull1D
Entries 27
Mean 0.01338
Std Dev 0.7643

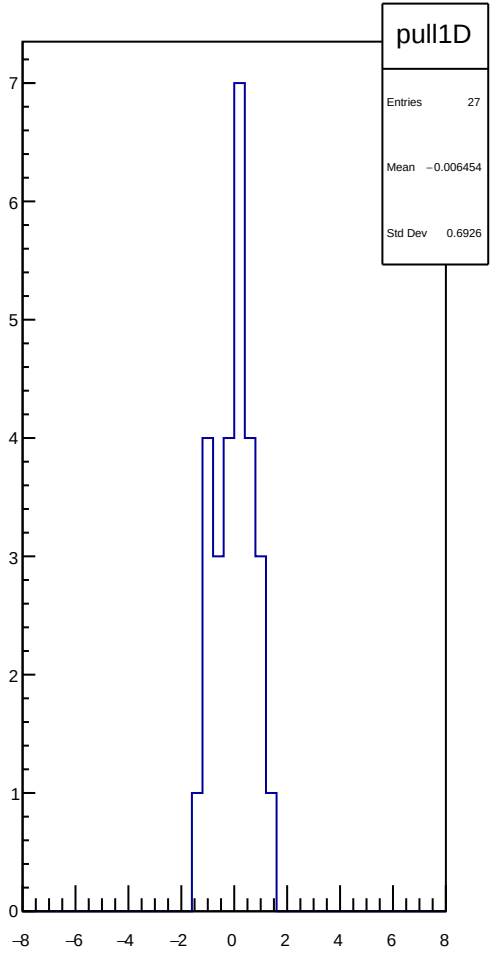

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 12.32 / 26
p0 11.87 ± 3.642
60
40
20
0
−20
−40
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 195.5
Std Dev 0
1
0.5
0
−0.5
−1

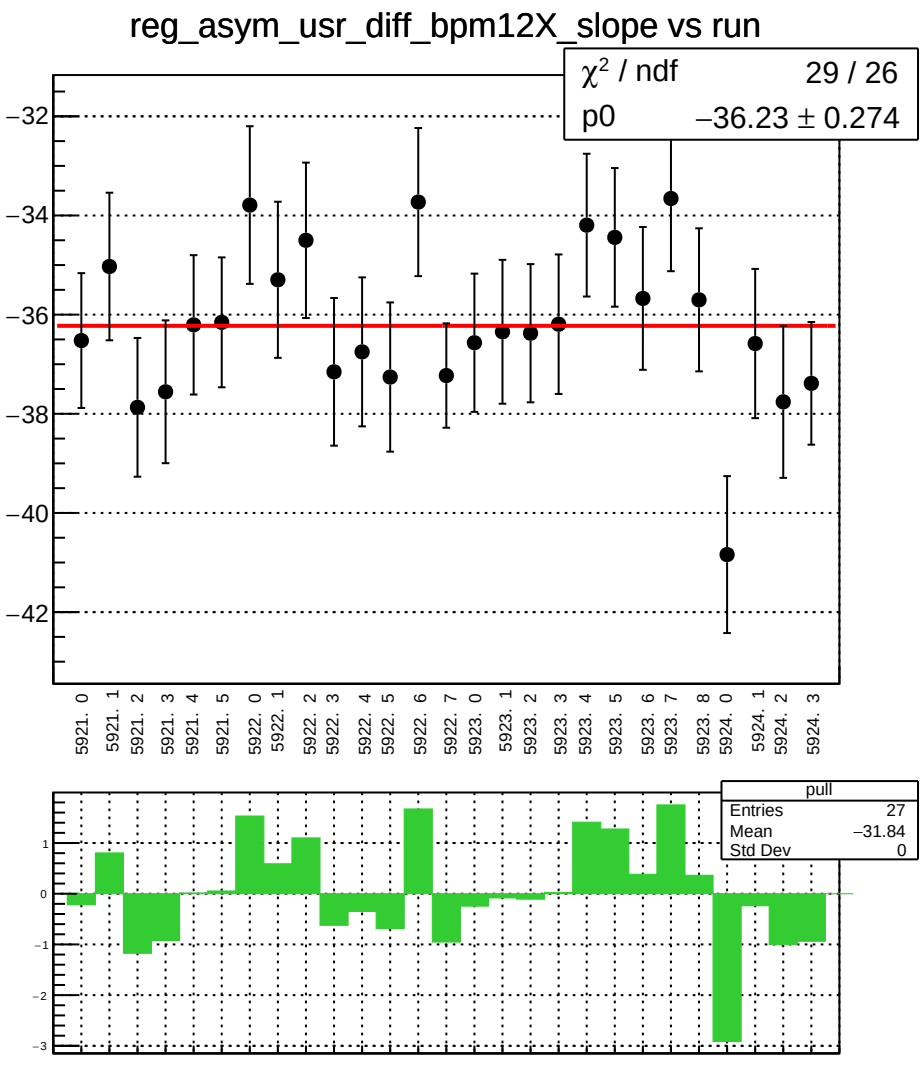

pull1D
Entries 27
Mean 0.005802
Std Dev 0.6756
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

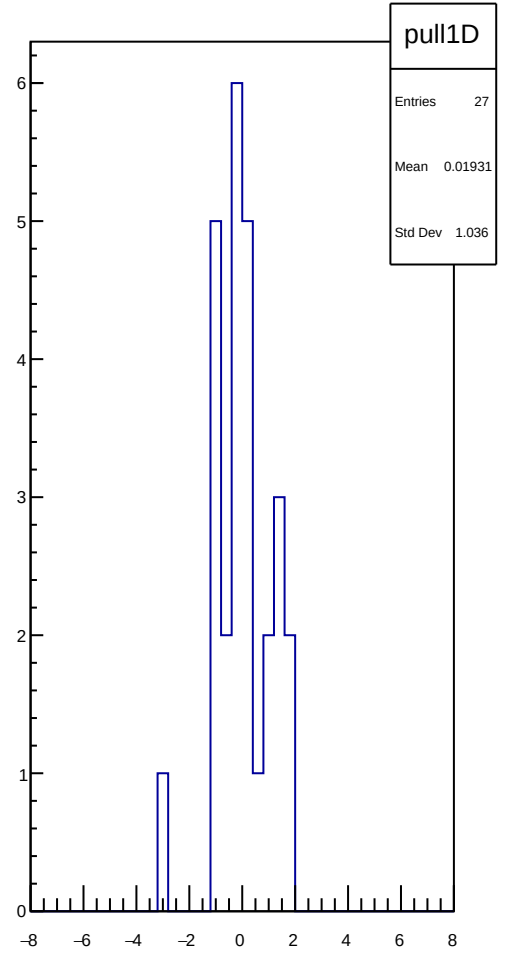

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 16.12 / 26
p0 155 ± 3.539
220
200
180
160
140
120
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −14.34
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1

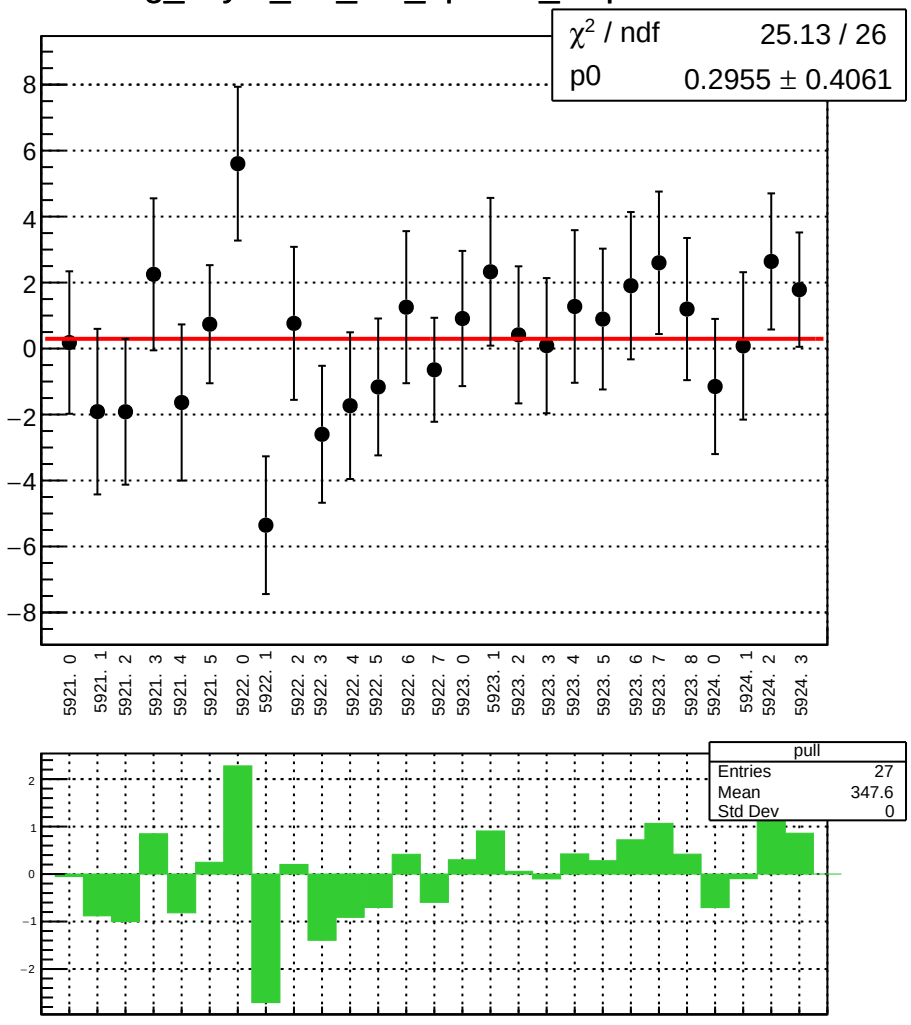

pull1D
Entries 27
Mean −0.008522
Std Dev 0.7727
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

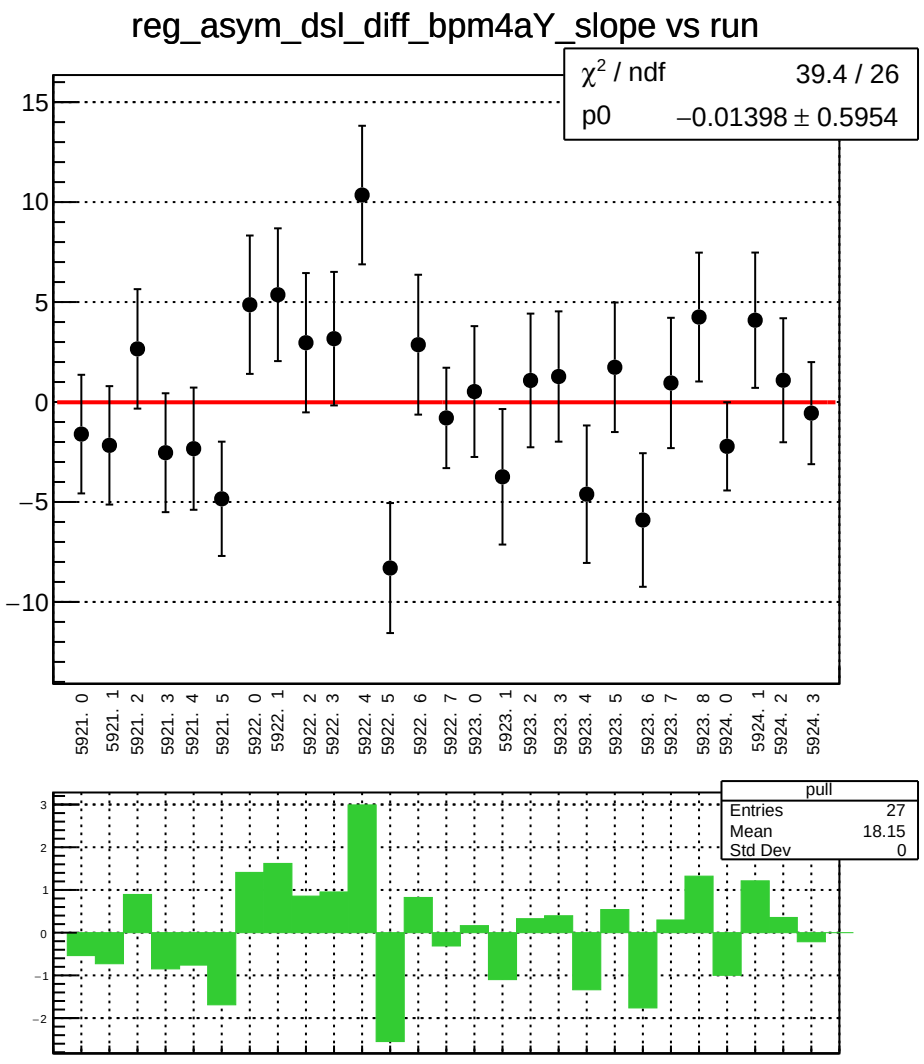

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 12.95 / 26
p0 3.155 ± 4.012
60
40
20
0
−20
−40
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 185.6
Std Dev 0
1
0.5
0
−0.5
−1

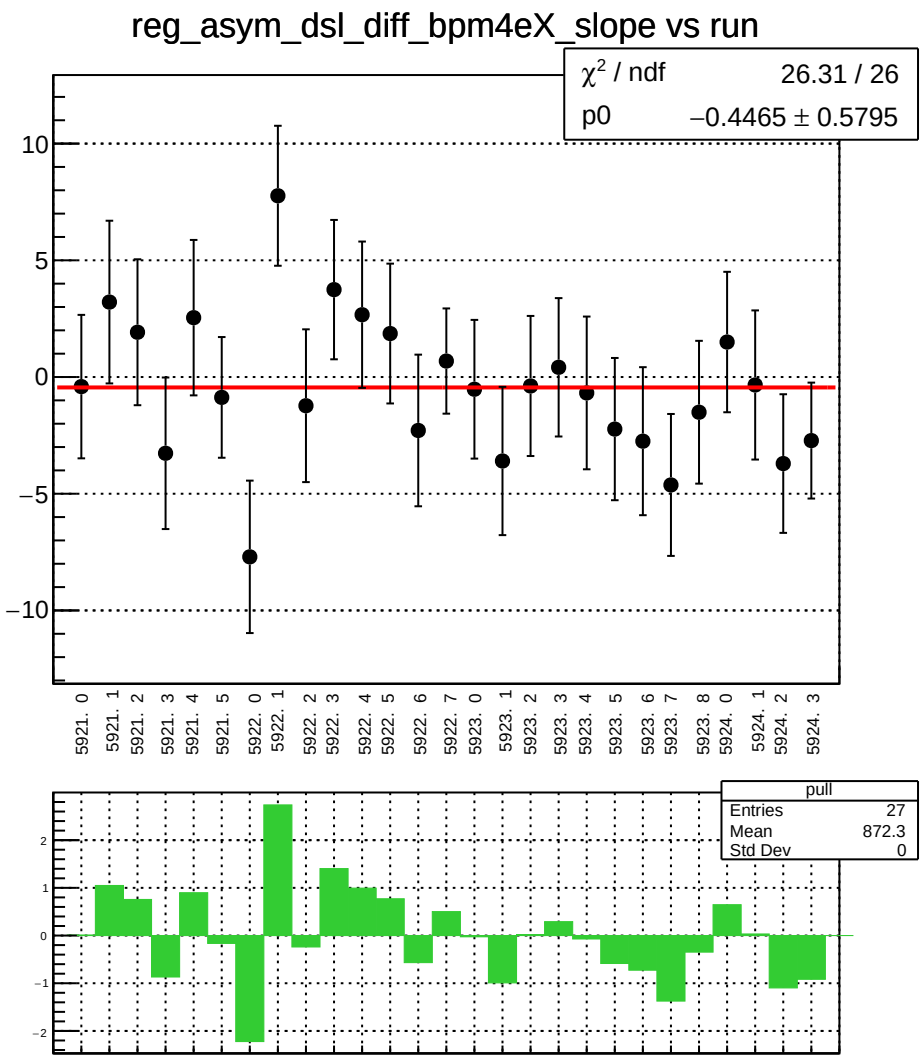

pull1D
Entries 27
Mean −0.006454
Std Dev 0.6926
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

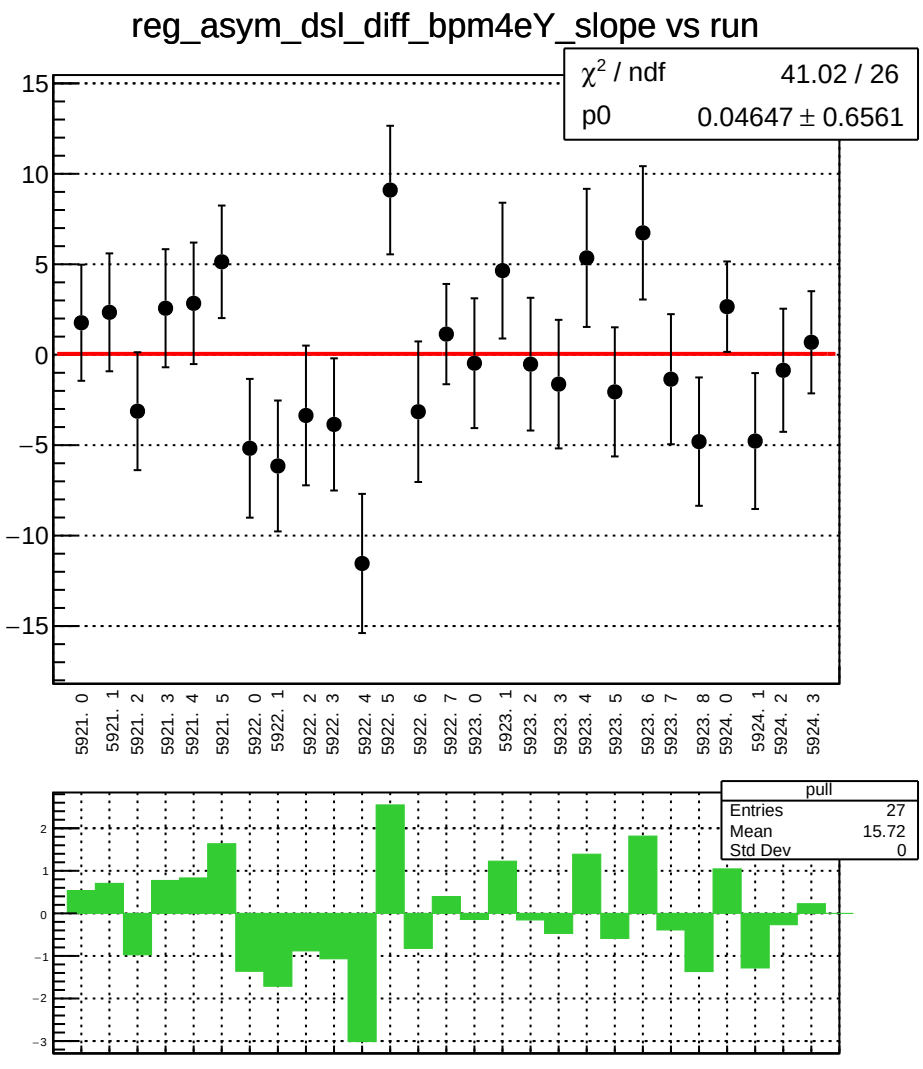

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 29 / 26
p0 −36.23 ± 0.274
−32
−34
−36
−38
−40
−42
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −31.84
Std Dev 0
1
0
−1
−2
−3

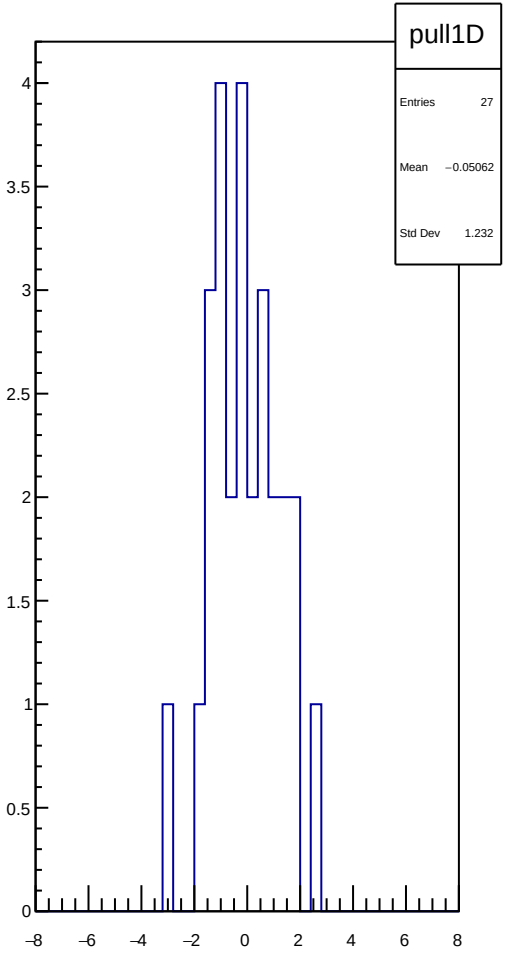

pull1D
Entries 27
Mean 0.01931
Std Dev 1.036
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

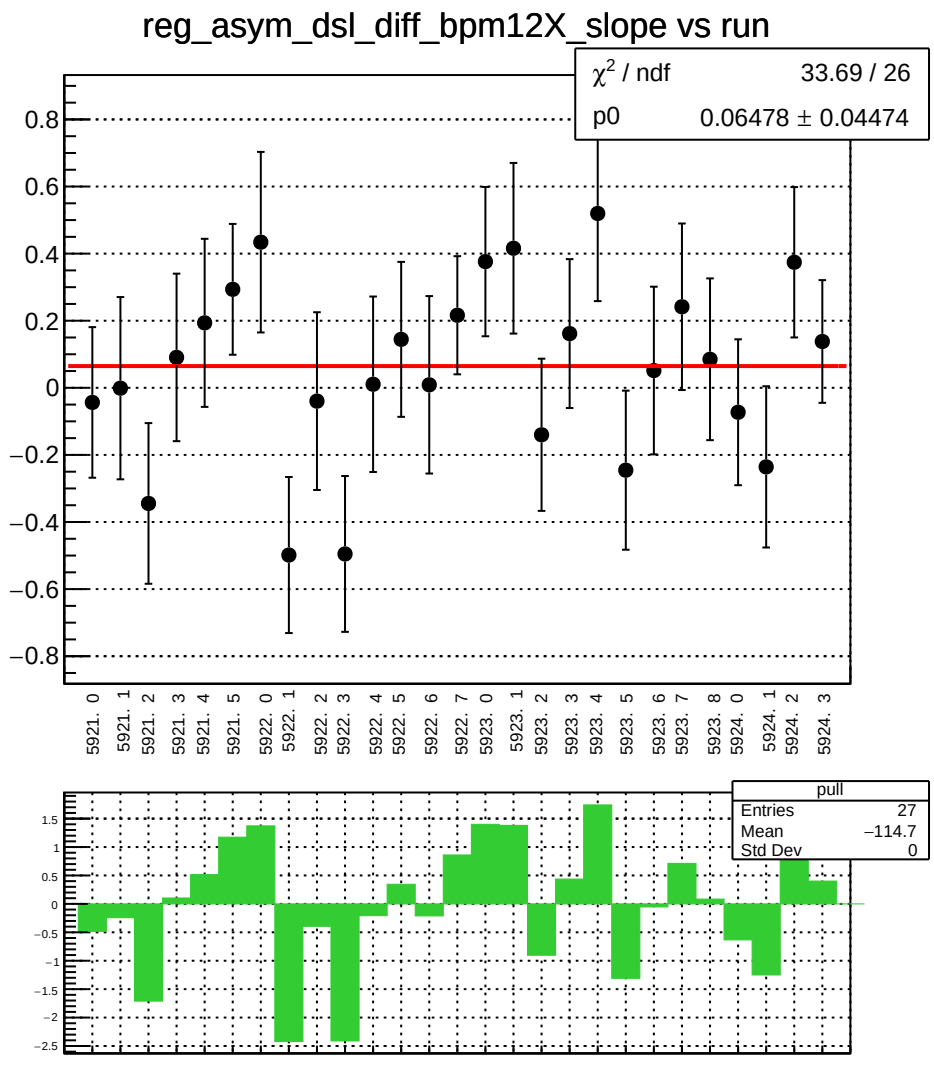

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 25.13 / 26
p0 0.2955 ± 0.4061
pull
Entries 27
Mean 347.6
Std Dev 0
pull1D
Entries 27
Mean 0.007477
Std Dev 0.9647

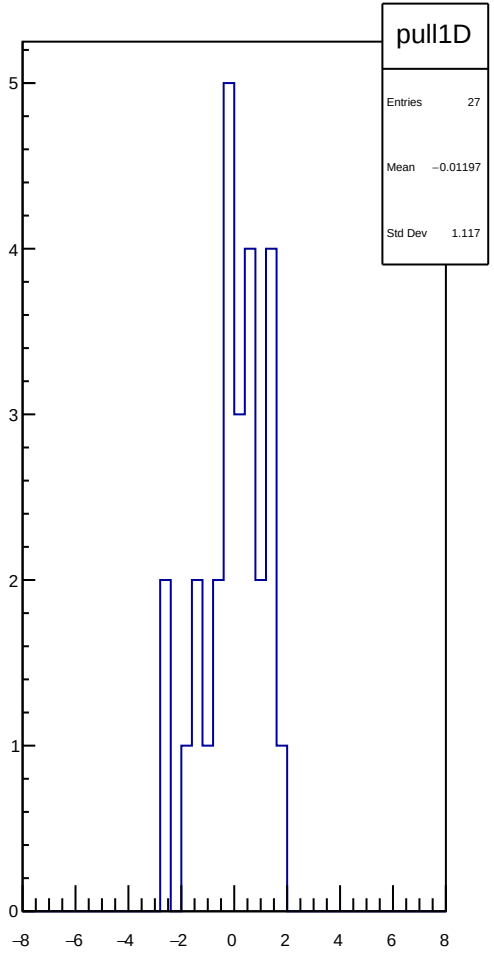

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 39.4 / 26
p0 −0.01398 ± 0.5954
15
10
5
0
−5
−10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 18.15
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.0494
Std Dev 1.207
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

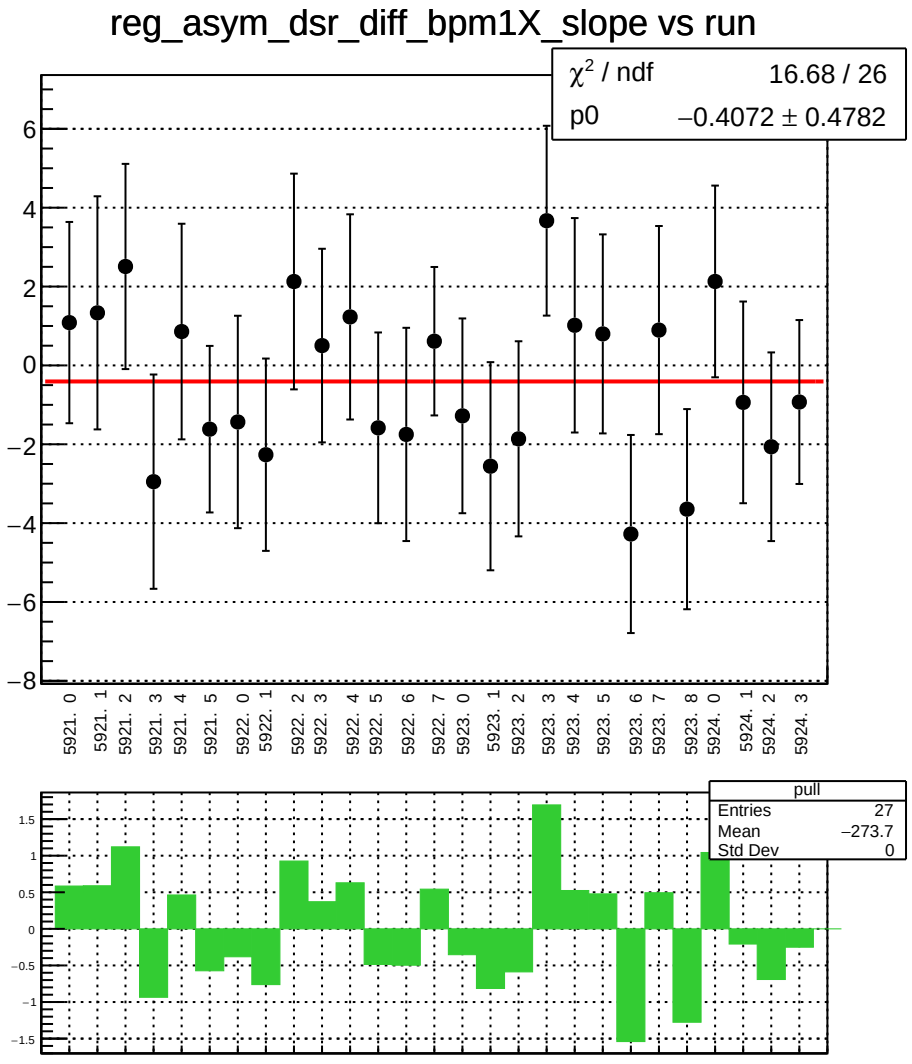

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 26.31 / 26
p0 −0.4465 ± 0.5795
10
5
0
−5
−10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 872.3
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean −0.003041
Std Dev 0.9871
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

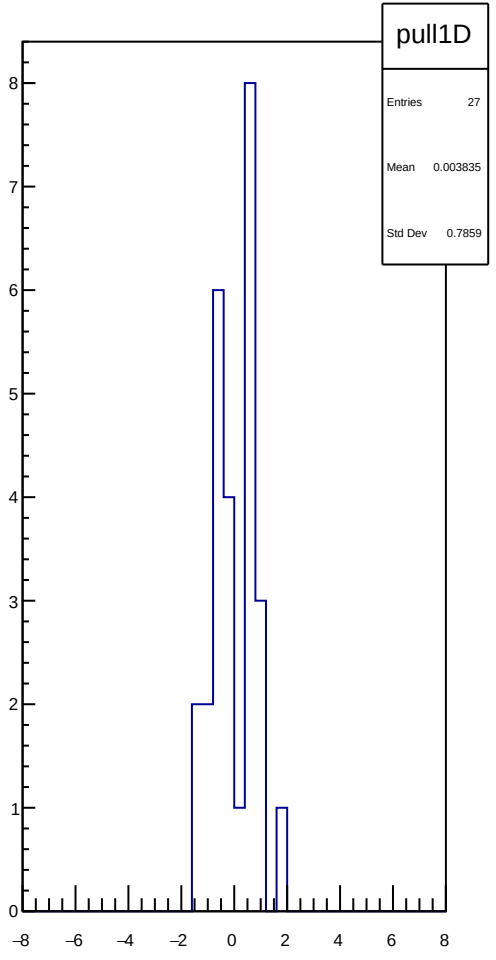

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 41.02 / 26
p0 0.04647 ± 0.6561
15
10
5
0
−5
−10
−15
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 15.72
Std Dev 0
2
1
0
−1
−2
−3

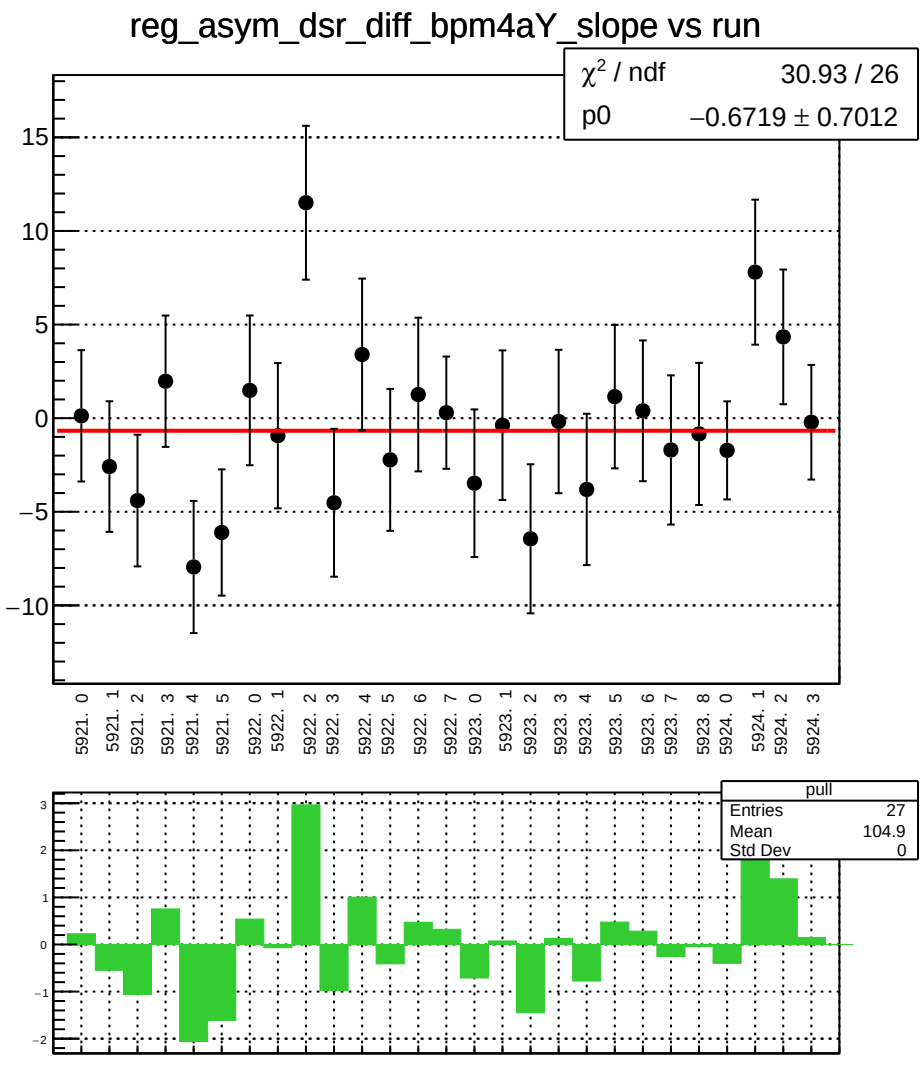

pull1D
Entries 27
Mean −0.05062
Std Dev 1.232
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

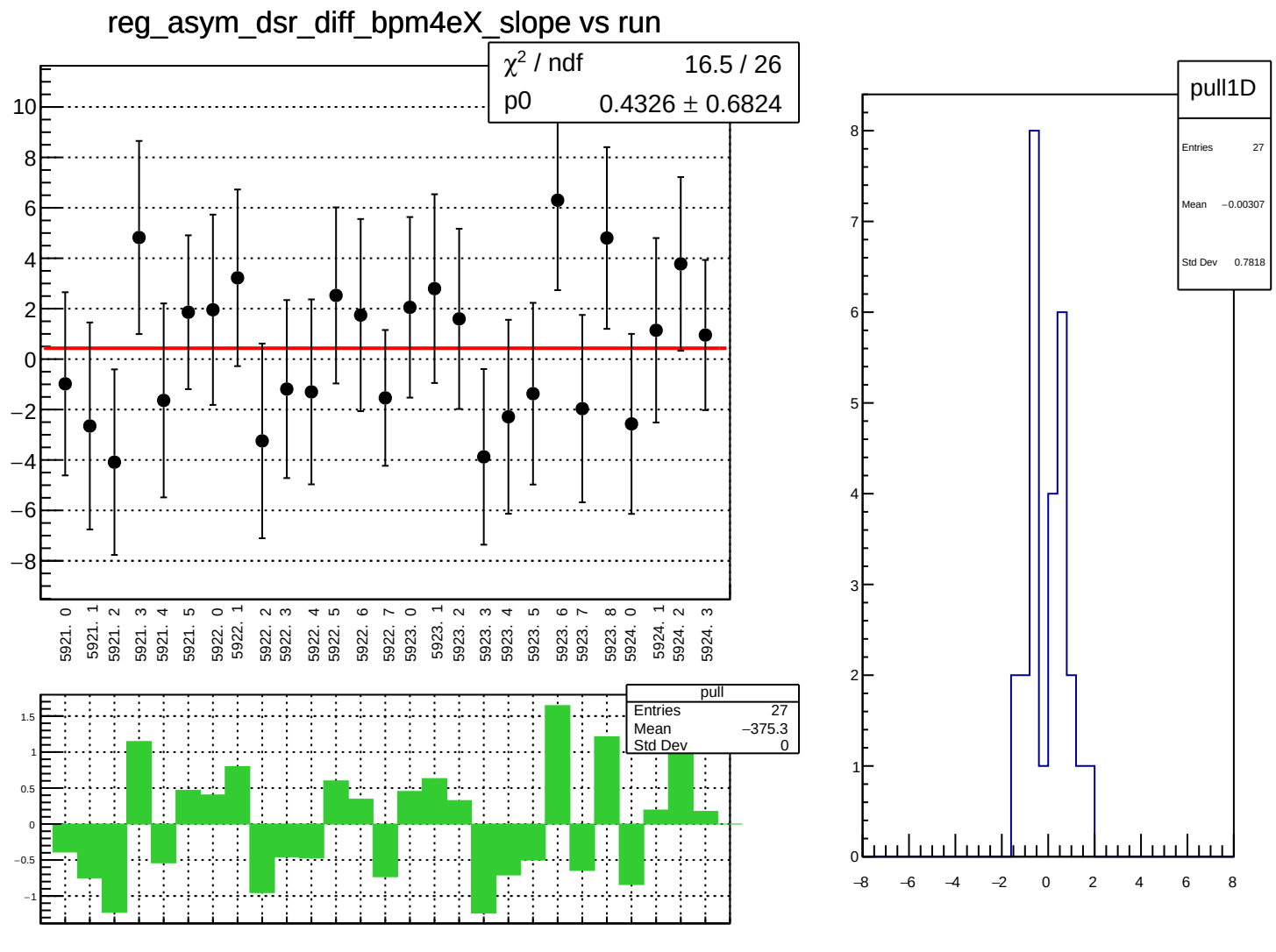

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 33.69 / 26
p0 0.06478 ± 0.04474
pull
Entries 27
Mean −114.7
Std Dev 0

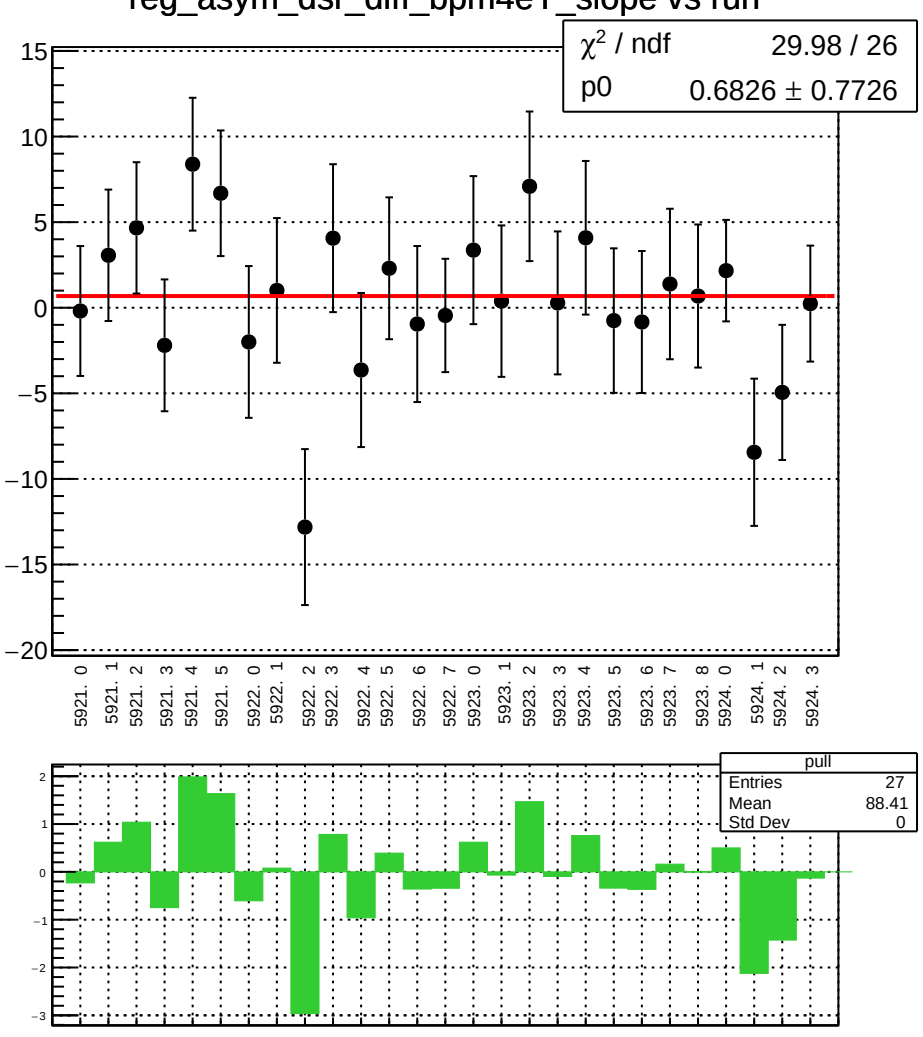

pull1D
Entries 27
Mean −0.01197
Std Dev 1.117

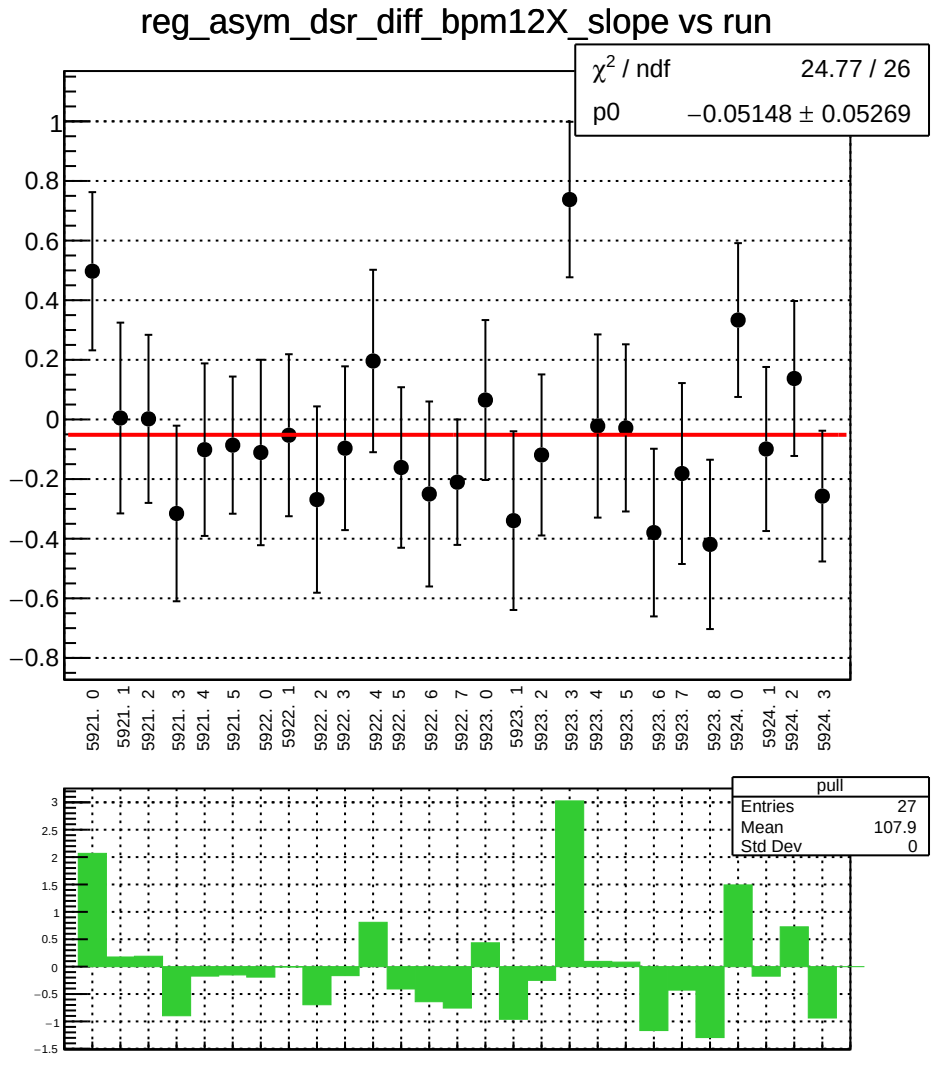

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 16.68 / 26
p0 −0.4072 ± 0.4782
pull
Entries 27
Mean −273.7
Std Dev 0

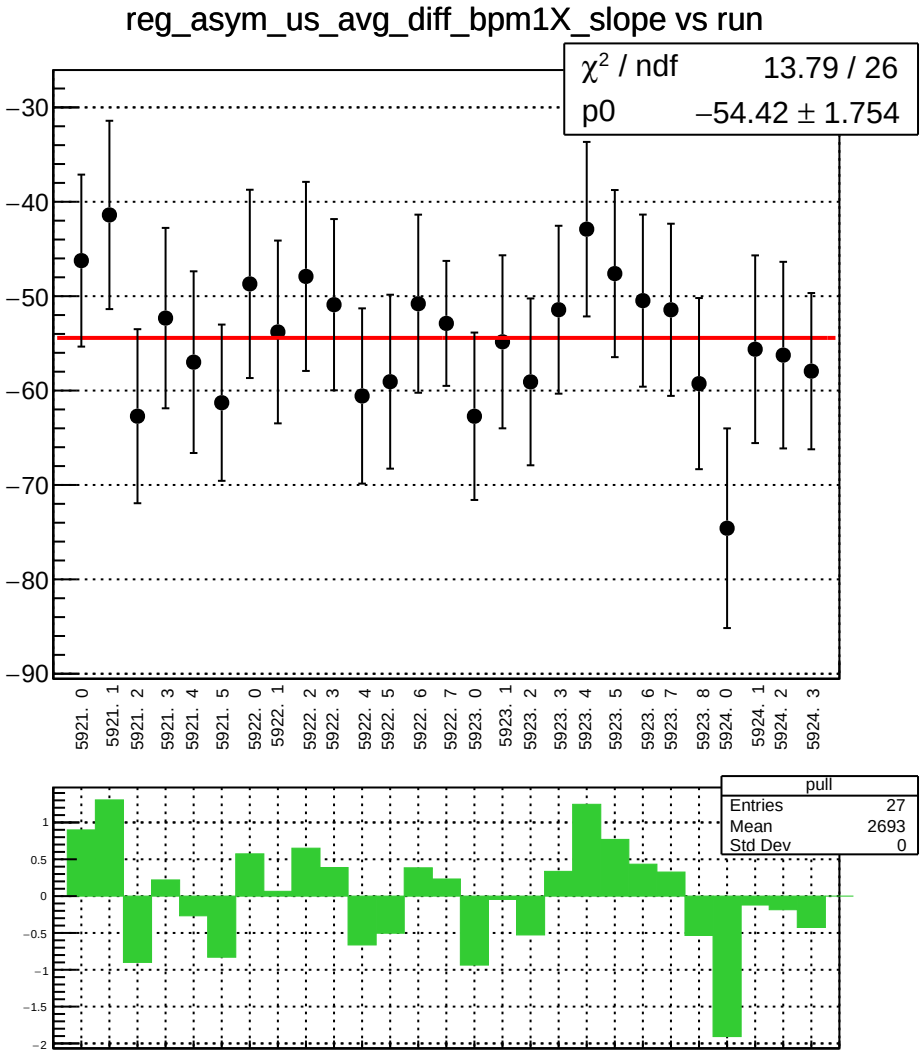

pull1D
Entries 27
Mean 0.003835
Std Dev 0.7859

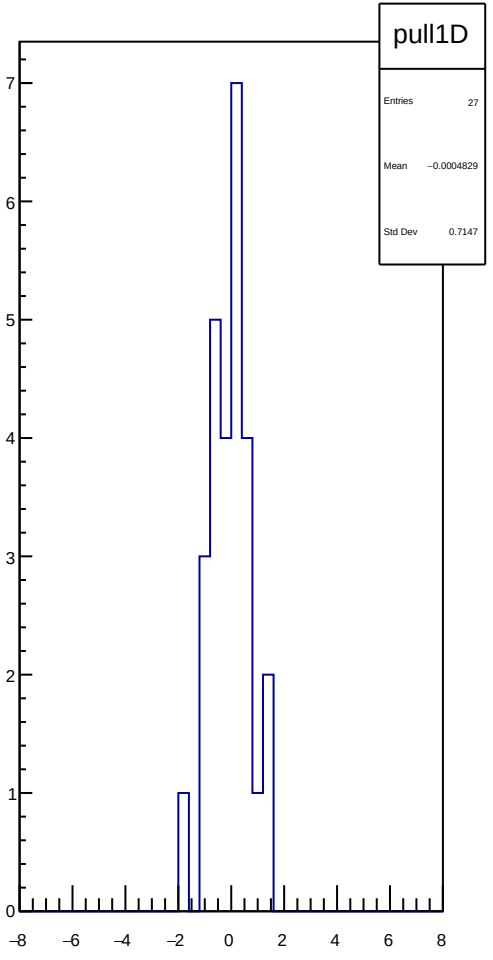

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 30.93 / 26
p0 −0.6719 ± 0.7012
15
10
5
0
−5
−10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 104.9
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.0223
Std Dev 1.07
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

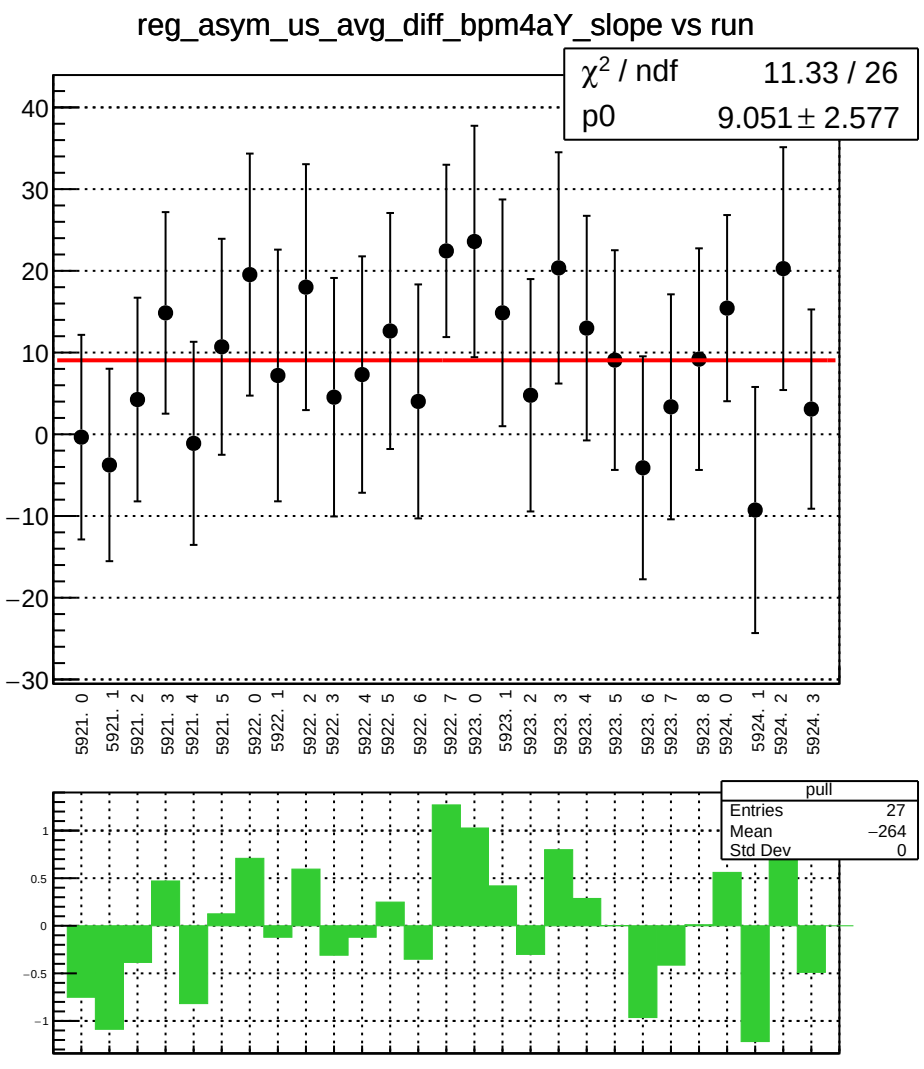

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 16.5 / 26
p0 0.4326 ± 0.6824
10
8
6
4
2
0
−2
−4
−6
−8
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −375.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 27
Mean −0.00307
Std Dev 0.7818
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

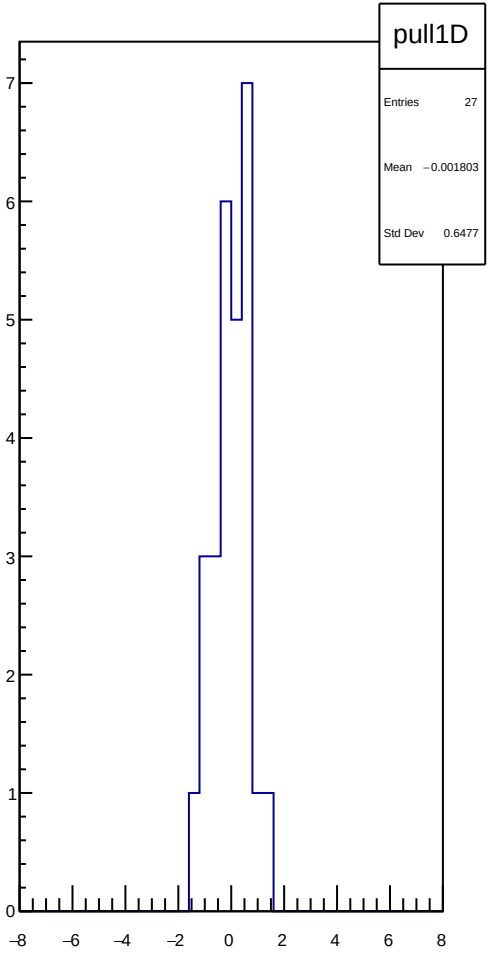

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 29.98 / 26
p0 0.6826 ± 0.7726
pull
Entries 27
Mean 88.41
Std Dev 0
pull1D
Entries 27
Mean −0.0265
Std Dev 1.053

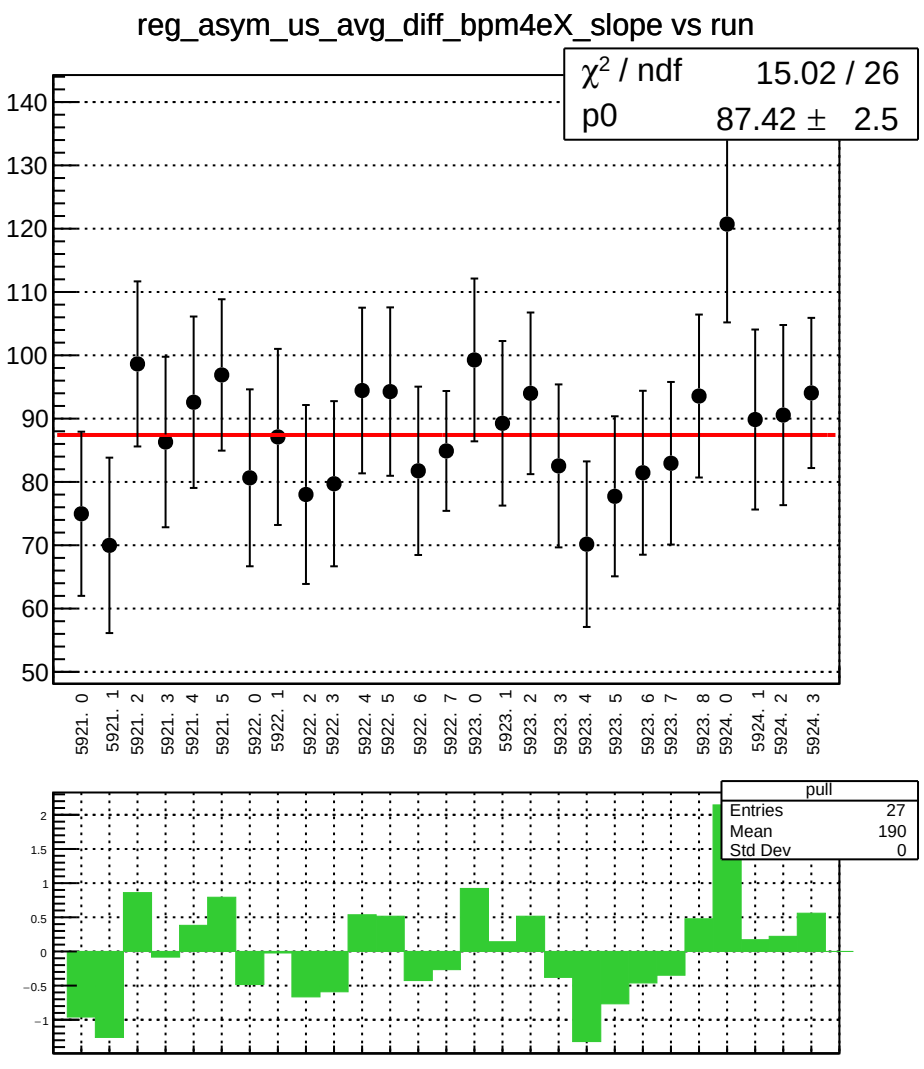

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 24.77 / 26
p0 −0.05148 ± 0.05269
pull
Entries 27
Mean 107.9
Std Dev 0
pull1D
Entries 27
Mean −0.006938
Std Dev 0.9578

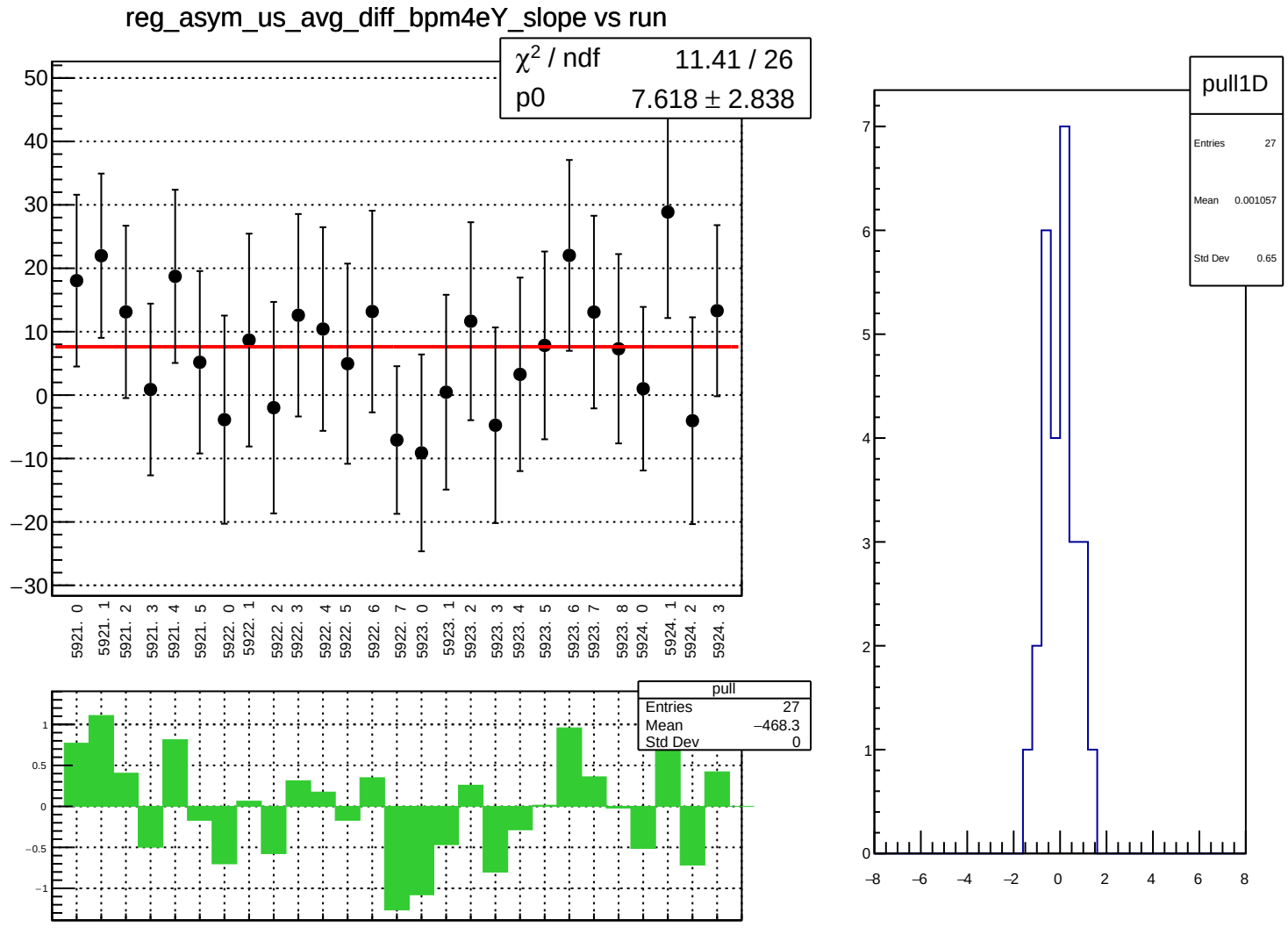

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 13.79 / 26
p0 −54.42 ± 1.754
pull
Entries 27
Mean 2693
Std Dev 0

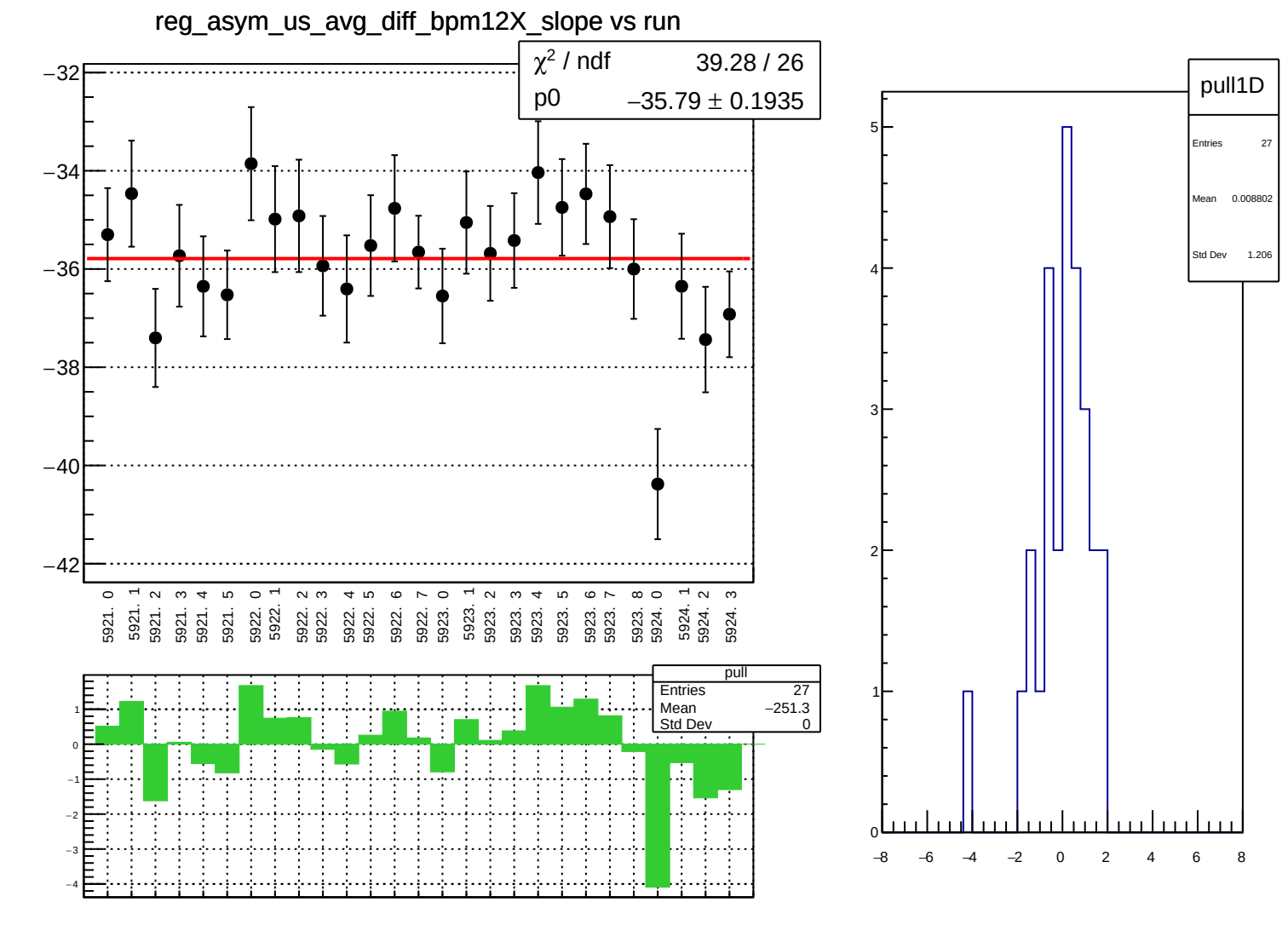

pull1D
Entries 27
Mean −0.0004829
Std Dev 0.7147

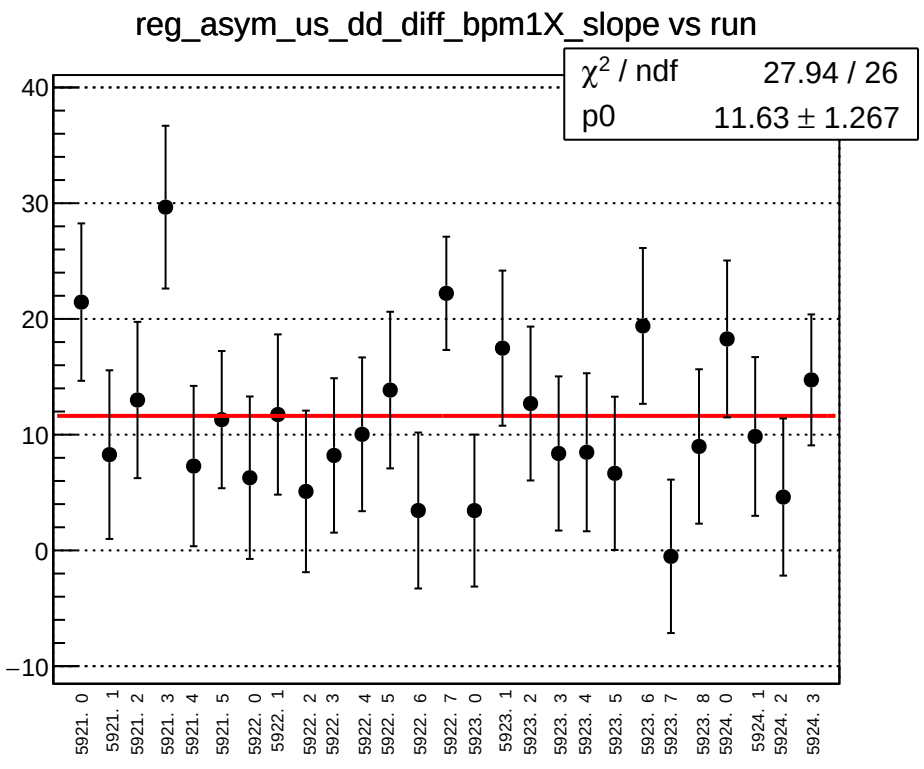

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 11.33 / 26
p0 9.051 ± 2.577
pull
Entries 27
Mean −264
Std Dev 0

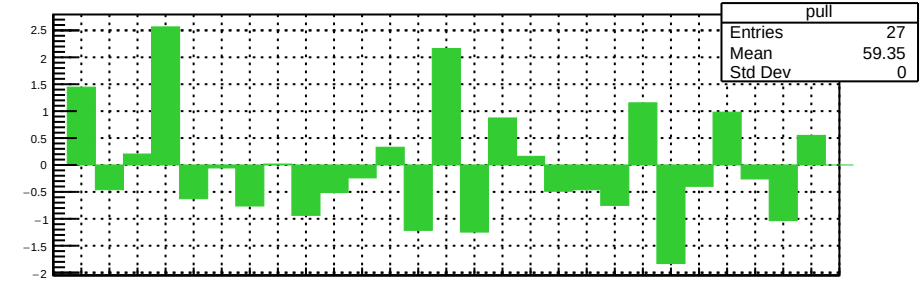

pull1D
Entries 27
Mean −0.001803
Std Dev 0.6477

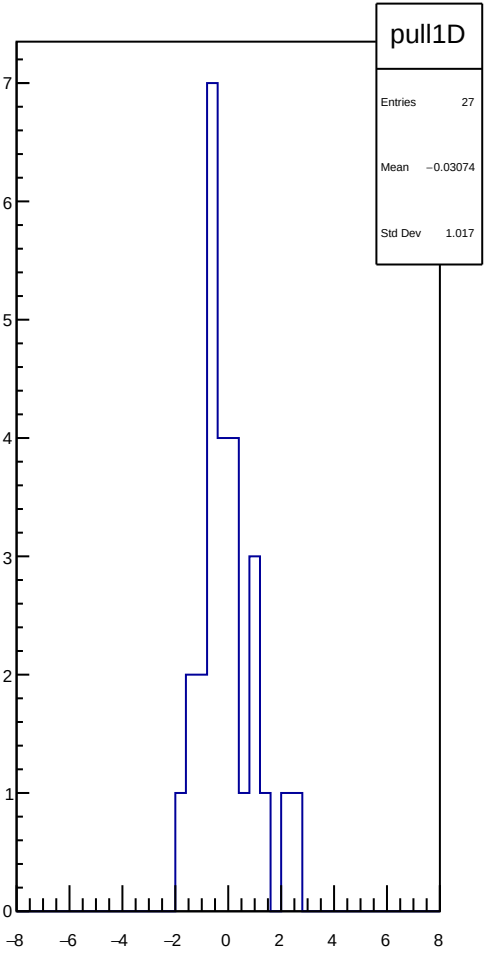

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 15.02 / 26
p0 87.42 ± 2.5
140
130
120
110
100
90
80
70
60
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 190
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 27
Mean 0.00792
Std Dev 0.7458
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

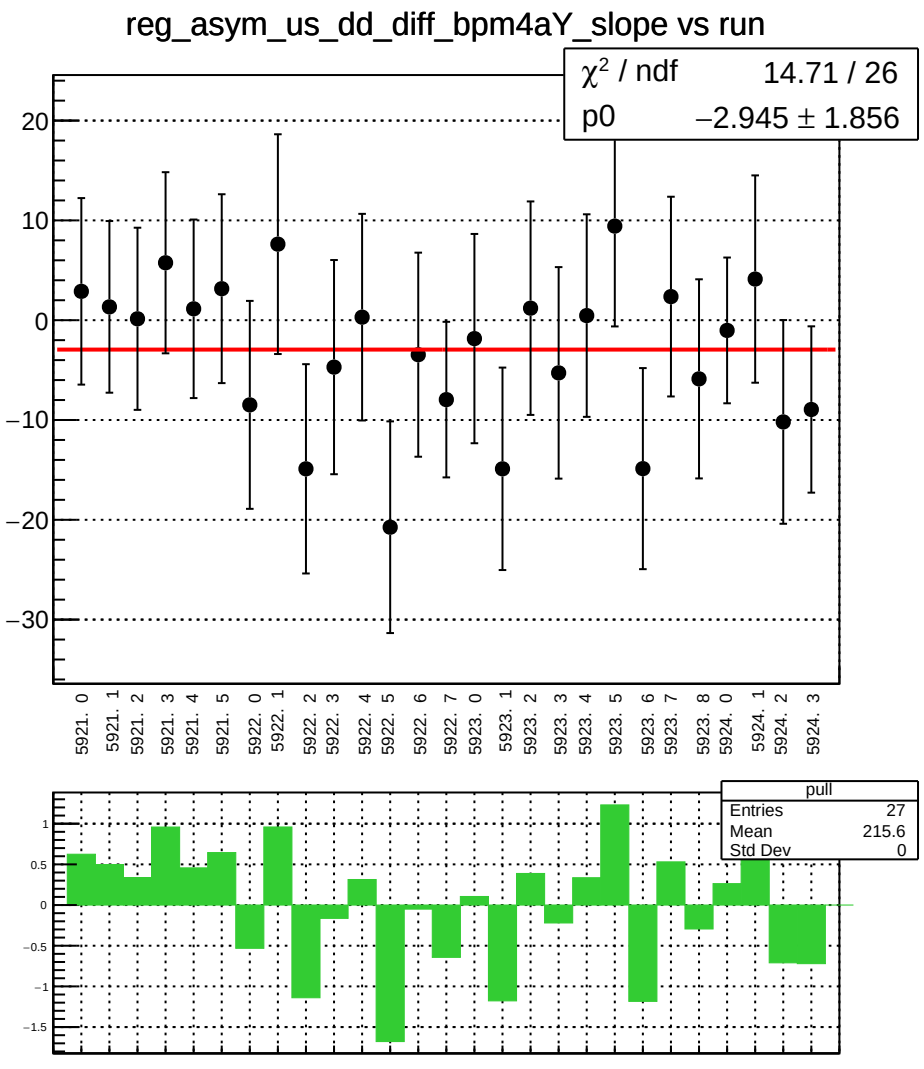

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.41 / 26
p0 7.618 ± 2.838
pull
Entries 27
Mean −468.3
Std Dev 0
pull1D
Entries 27
Mean 0.001057
Std Dev 0.65

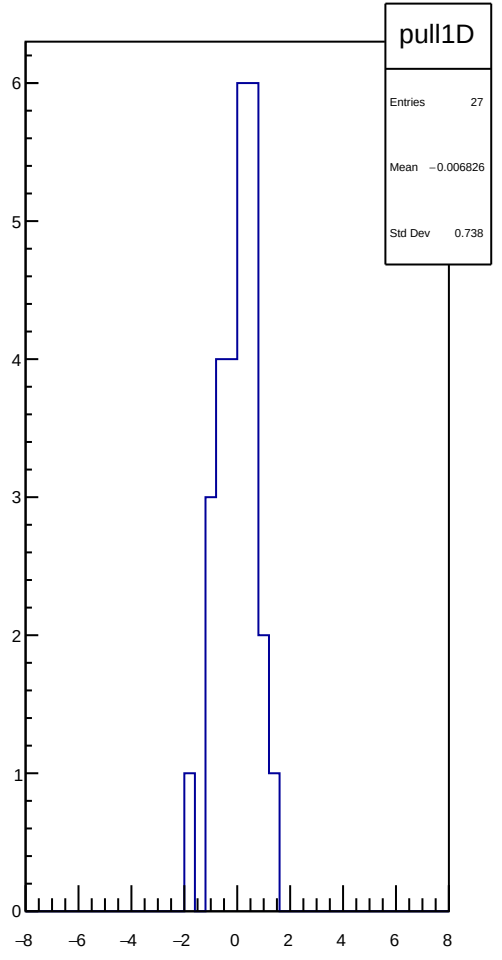

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 39.28 / 26
p0 −35.79 ± 0.1935
pull
Entries 27
Mean −251.3
Std Dev 0
pull1D
Entries 27
Mean 0.008802
Std Dev 1.206

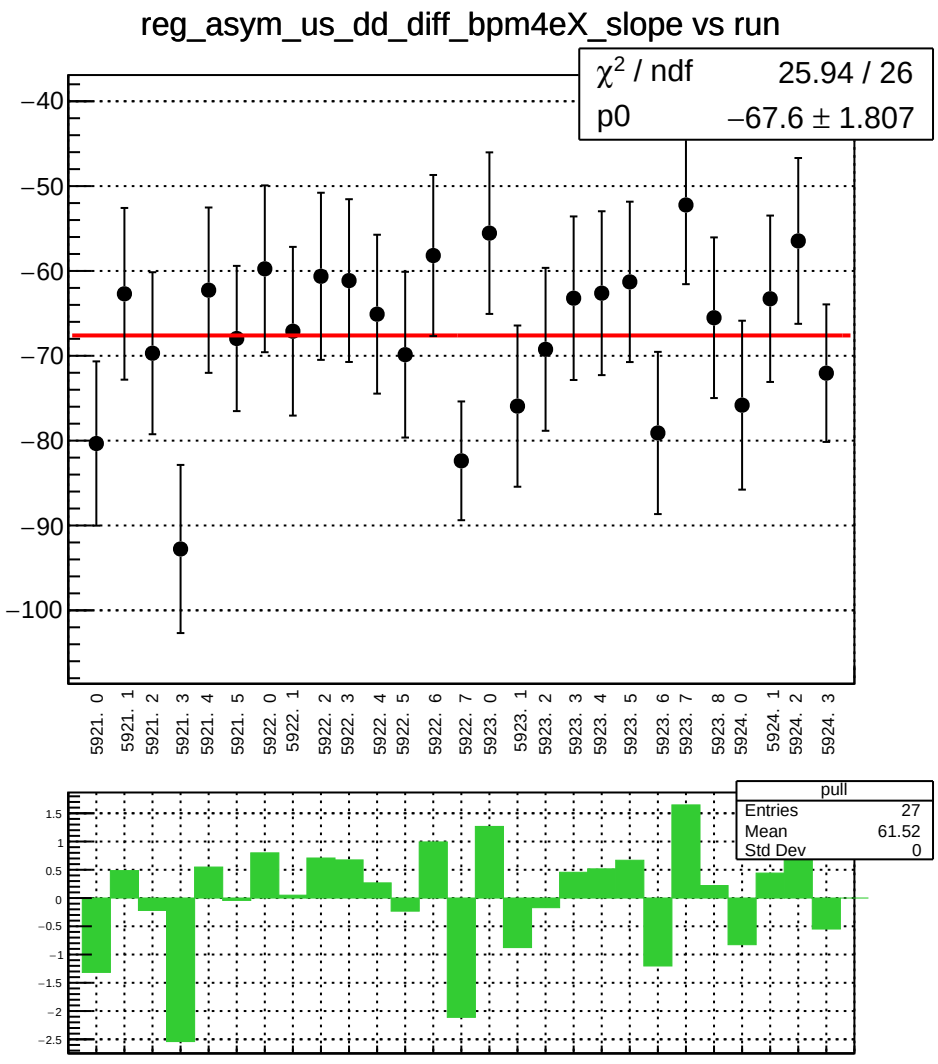

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 27.94 / 26
p0 11.63 ± 1.267
40
30
20
10
0
−10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

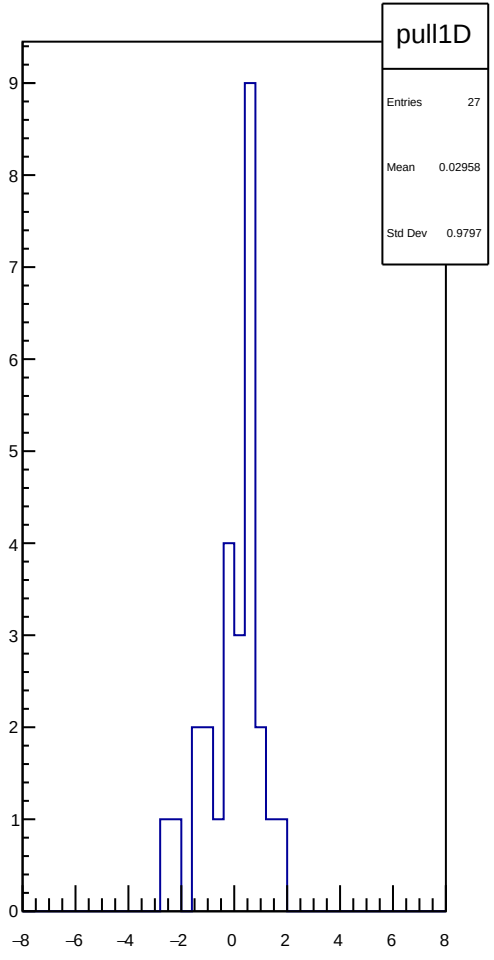

pull
Entries 27
Mean 59.35
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

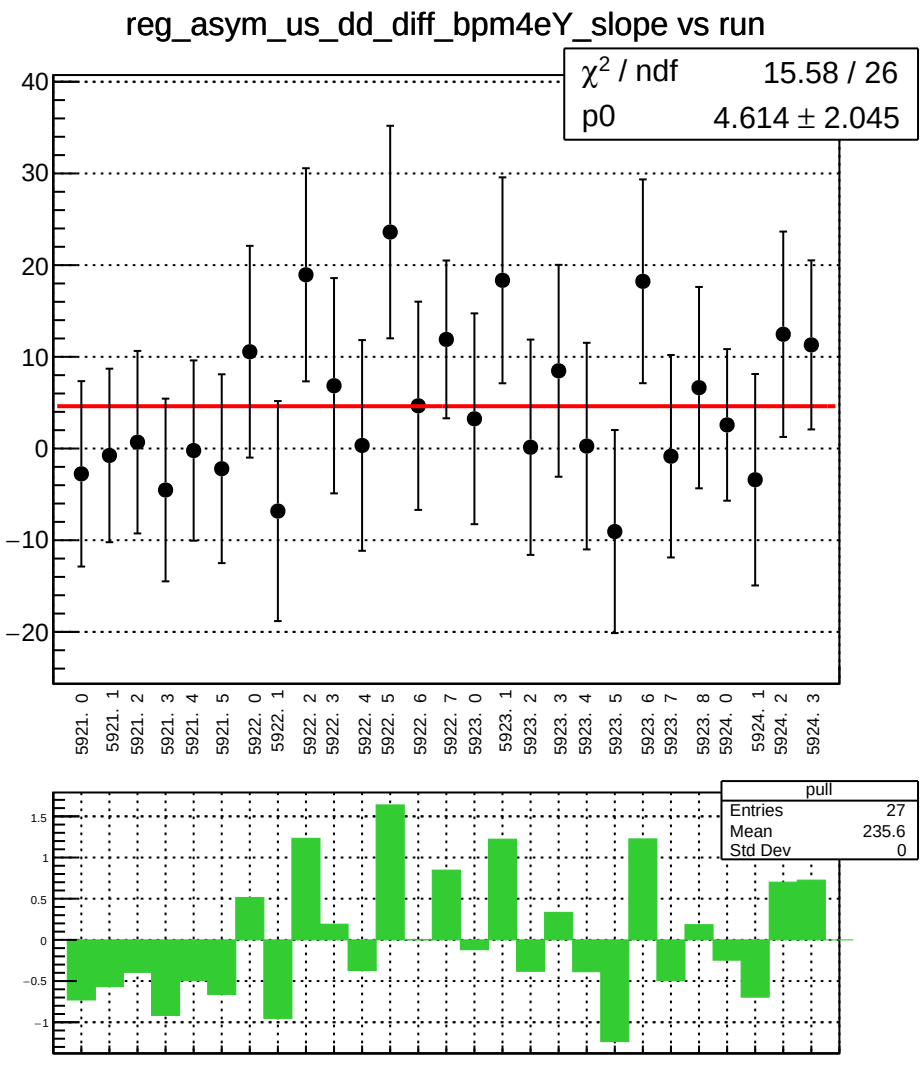

pull1D
Entries 27
Mean −0.03074
Std Dev 1.017
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

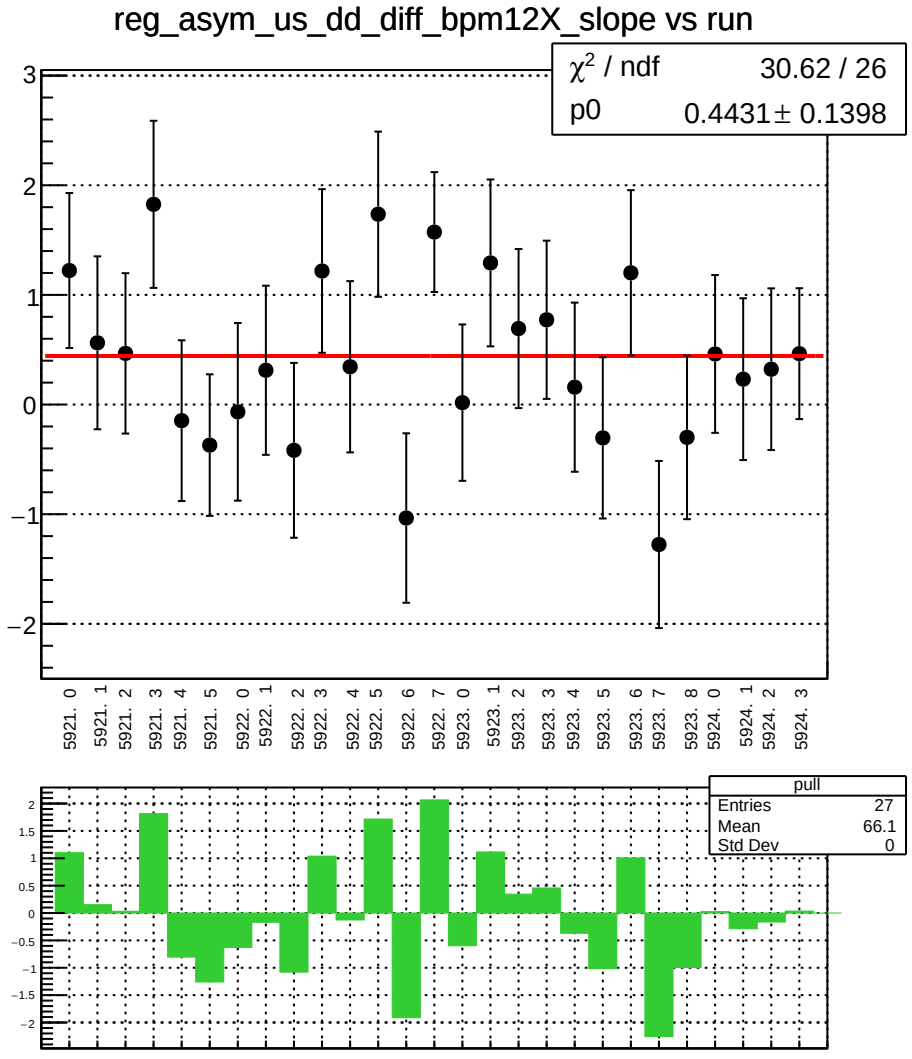

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 14.71 / 26
p0 −2.945 ± 1.856
20
10
0
−10
−20
−30
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 215.6
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

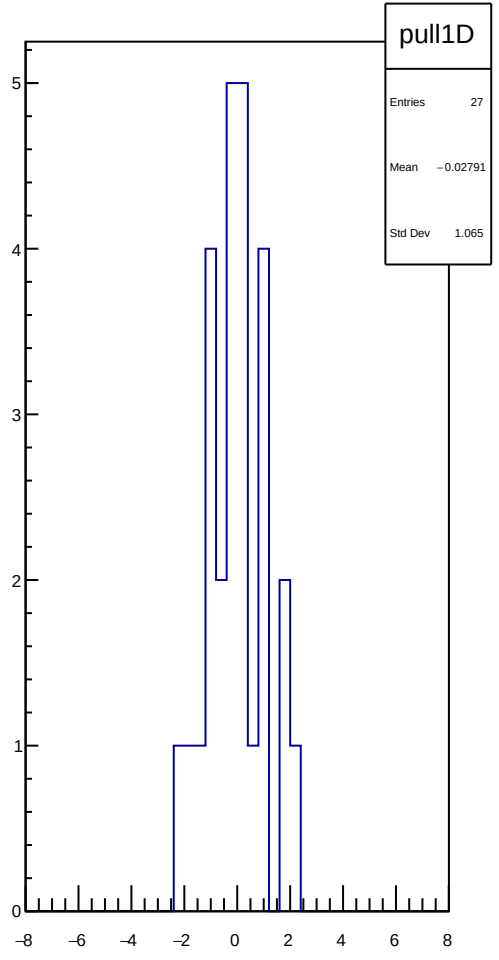

pull1D
Entries 27
Mean −0.006826
Std Dev 0.738
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

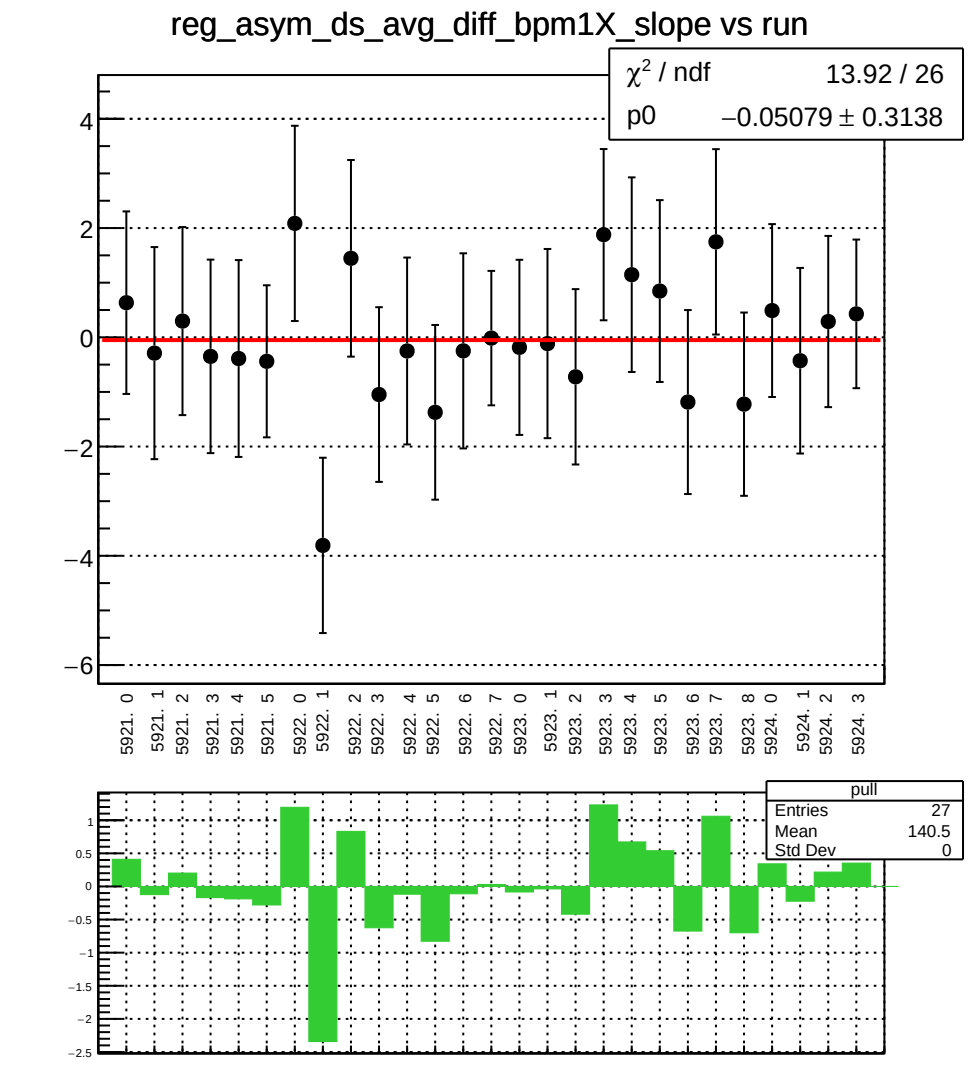

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 25.94 / 26
p0 −67.6 ± 1.807
−40
−50
−60
−70
−80
−90
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 61.52
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

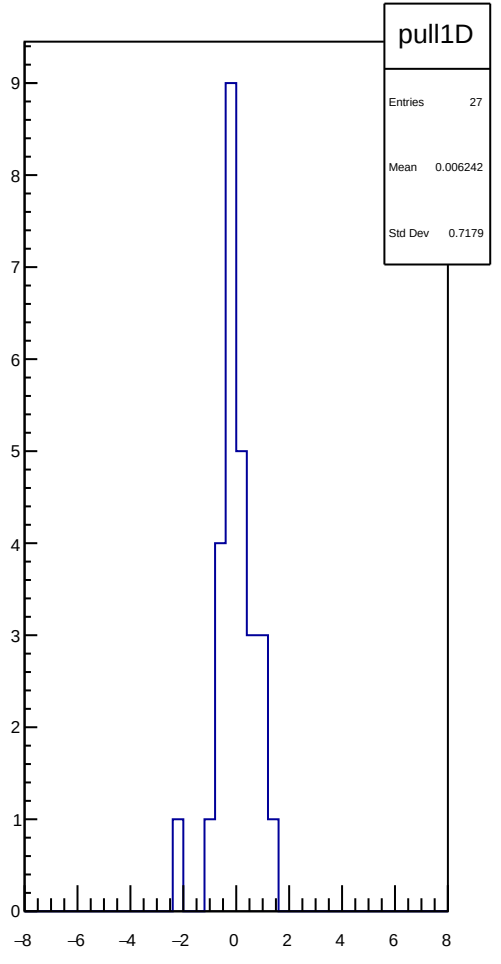

pull1D
Entries 27
Mean 0.02958
Std Dev 0.9797
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

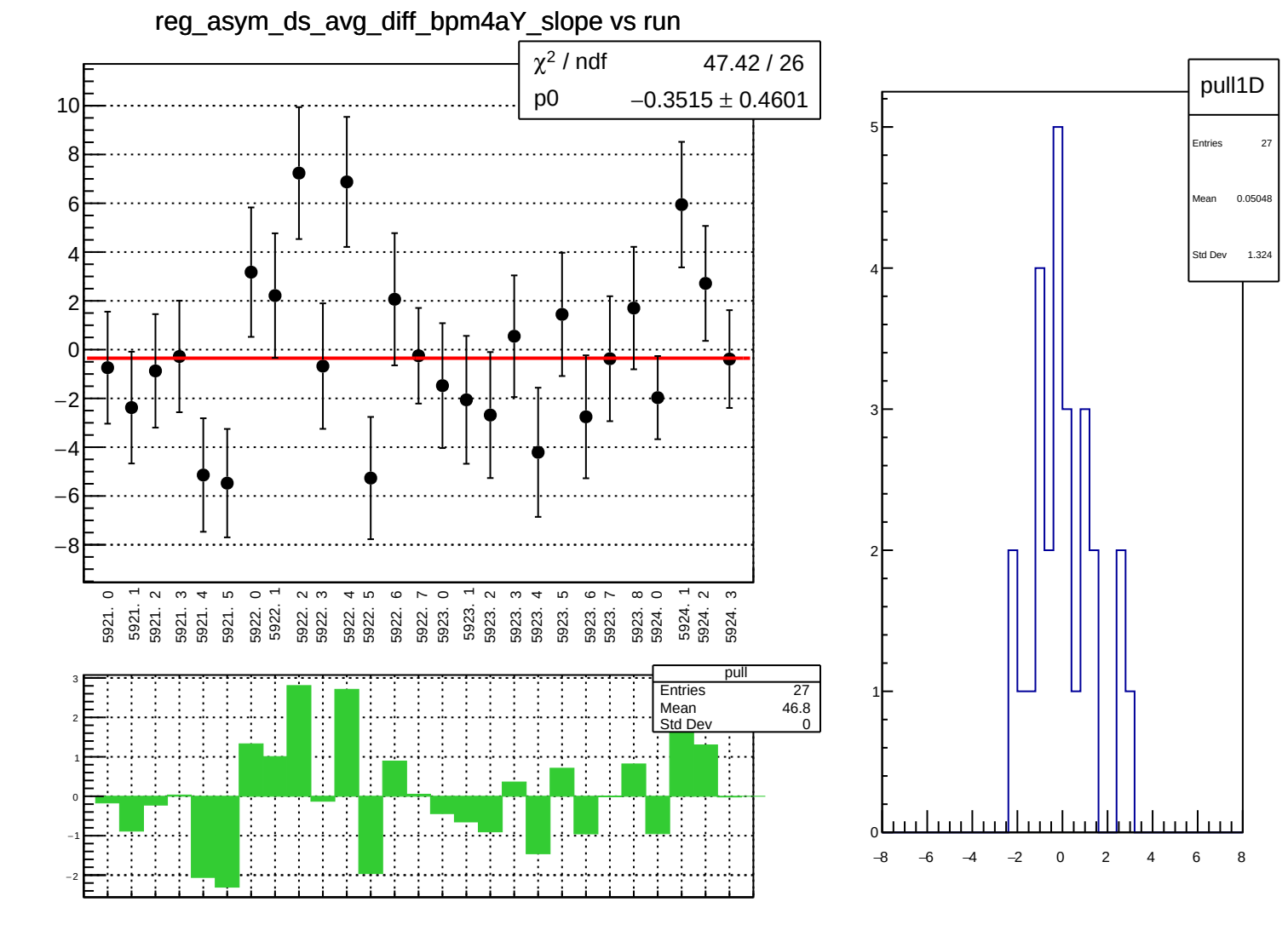

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.58 / 26
p0 4.614 ± 2.045
40
30
20
10
0
−10
−20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 235.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 27
Mean 0.006627
Std Dev 0.7597
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

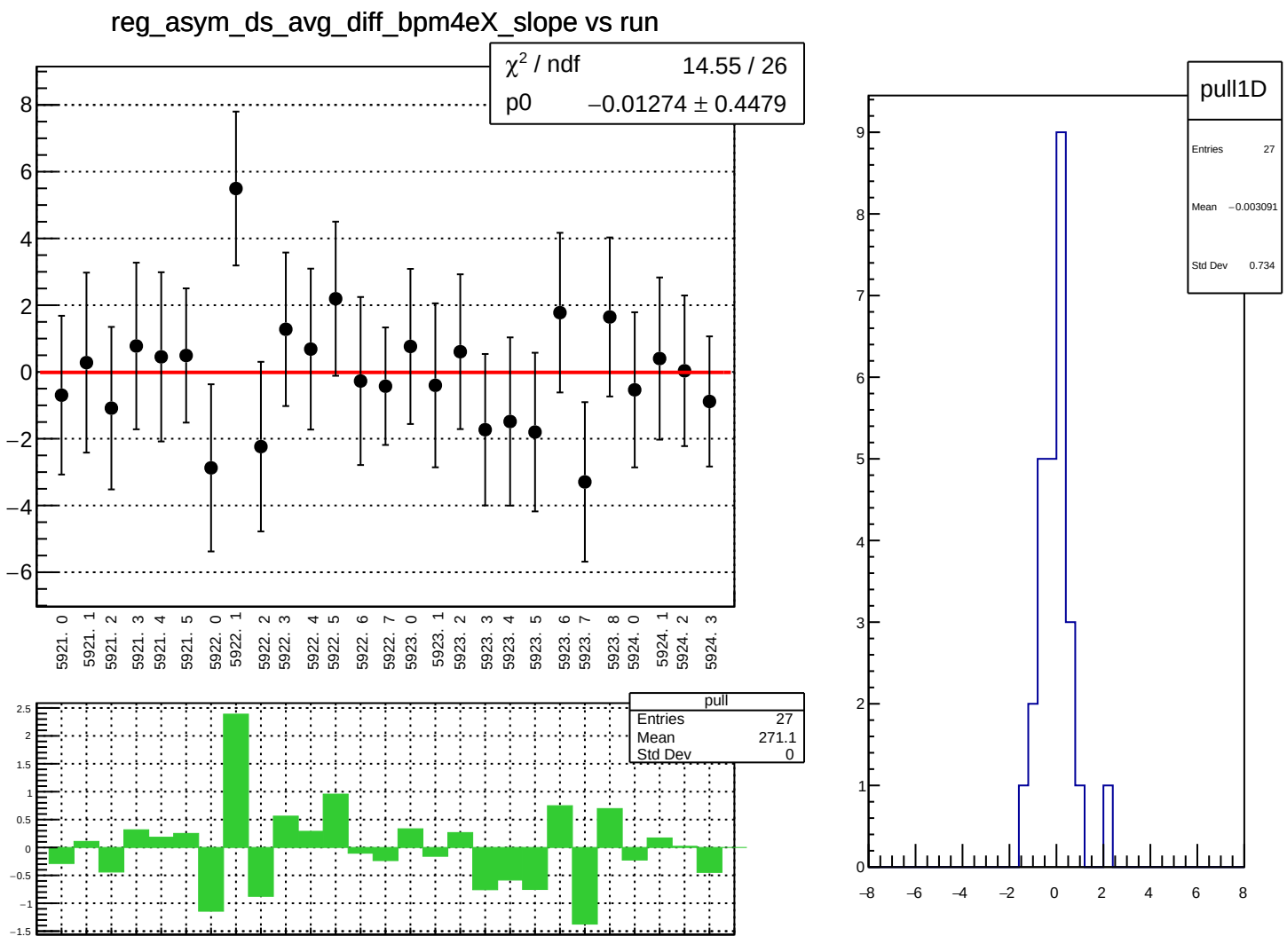

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 30.62 / 26
p0 0.4431± 0.1398
3
2
1
0
−1
−2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 66.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

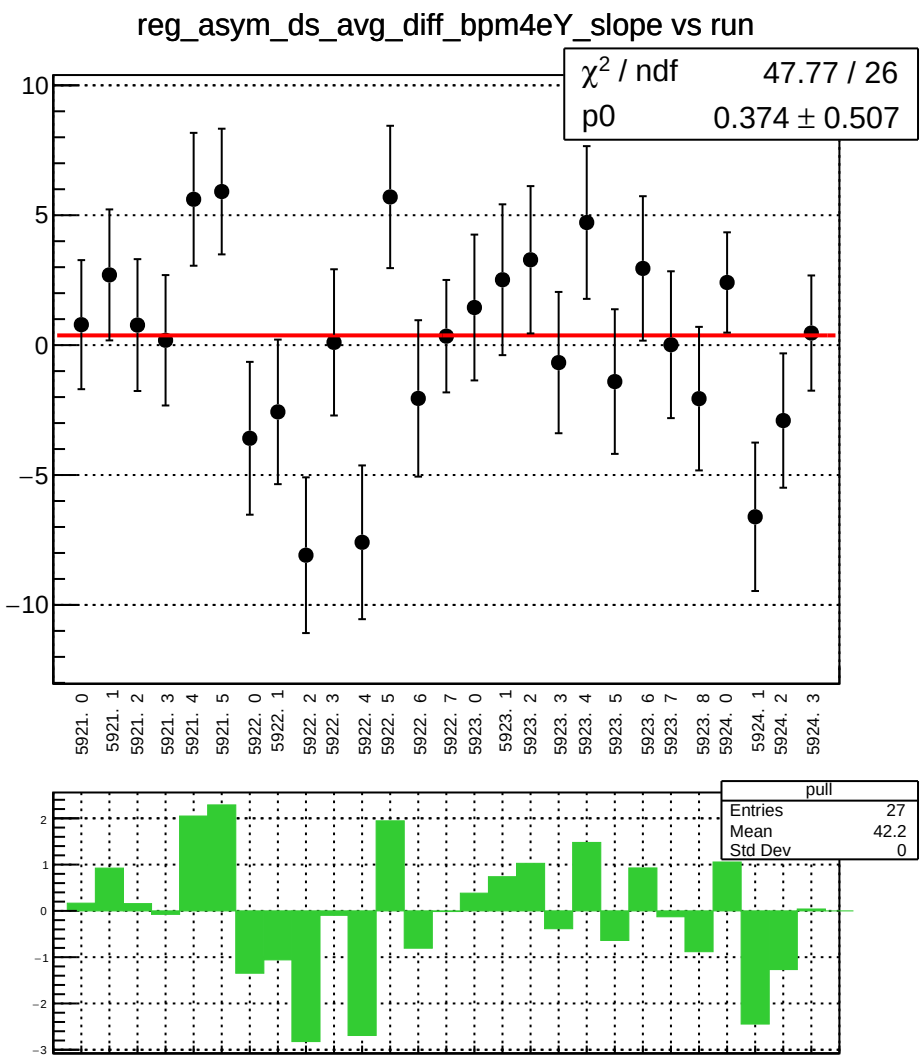

pull1D
Entries 27
Mean −0.02791
Std Dev 1.065
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

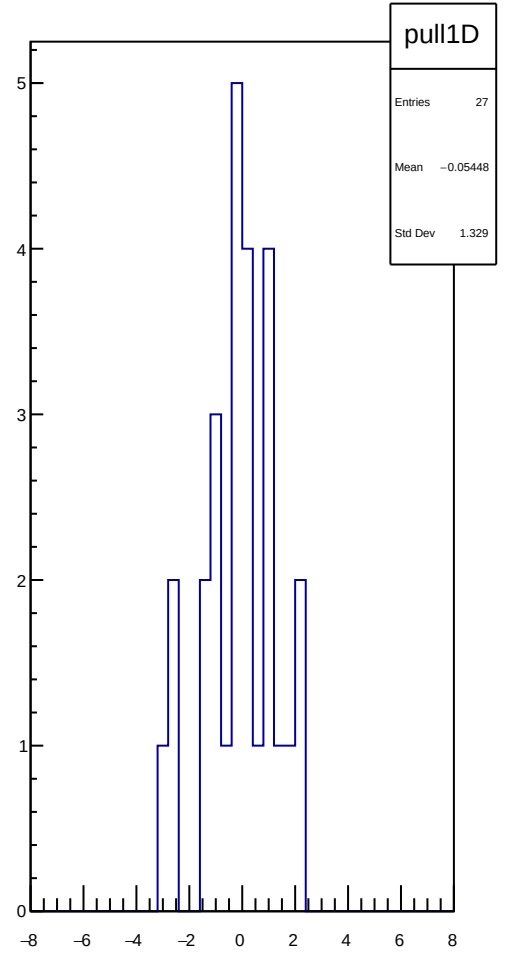

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 13.92 / 26
p0 −0.05079 ± 0.3138
4
2
0
−2
−4
−6
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 140.5
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

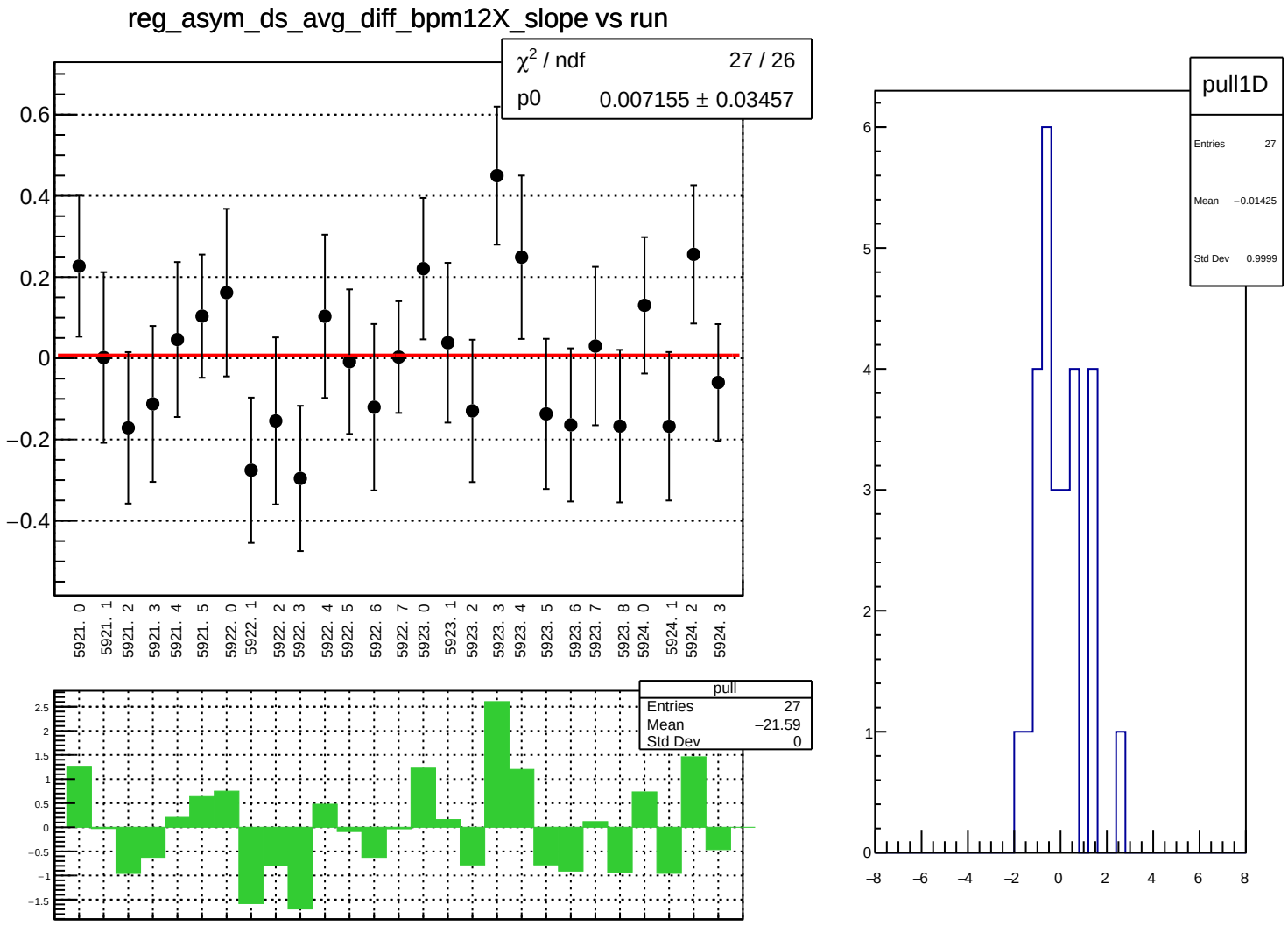

pull1D
Entries 27
Mean 0.006242
Std Dev 0.7179
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

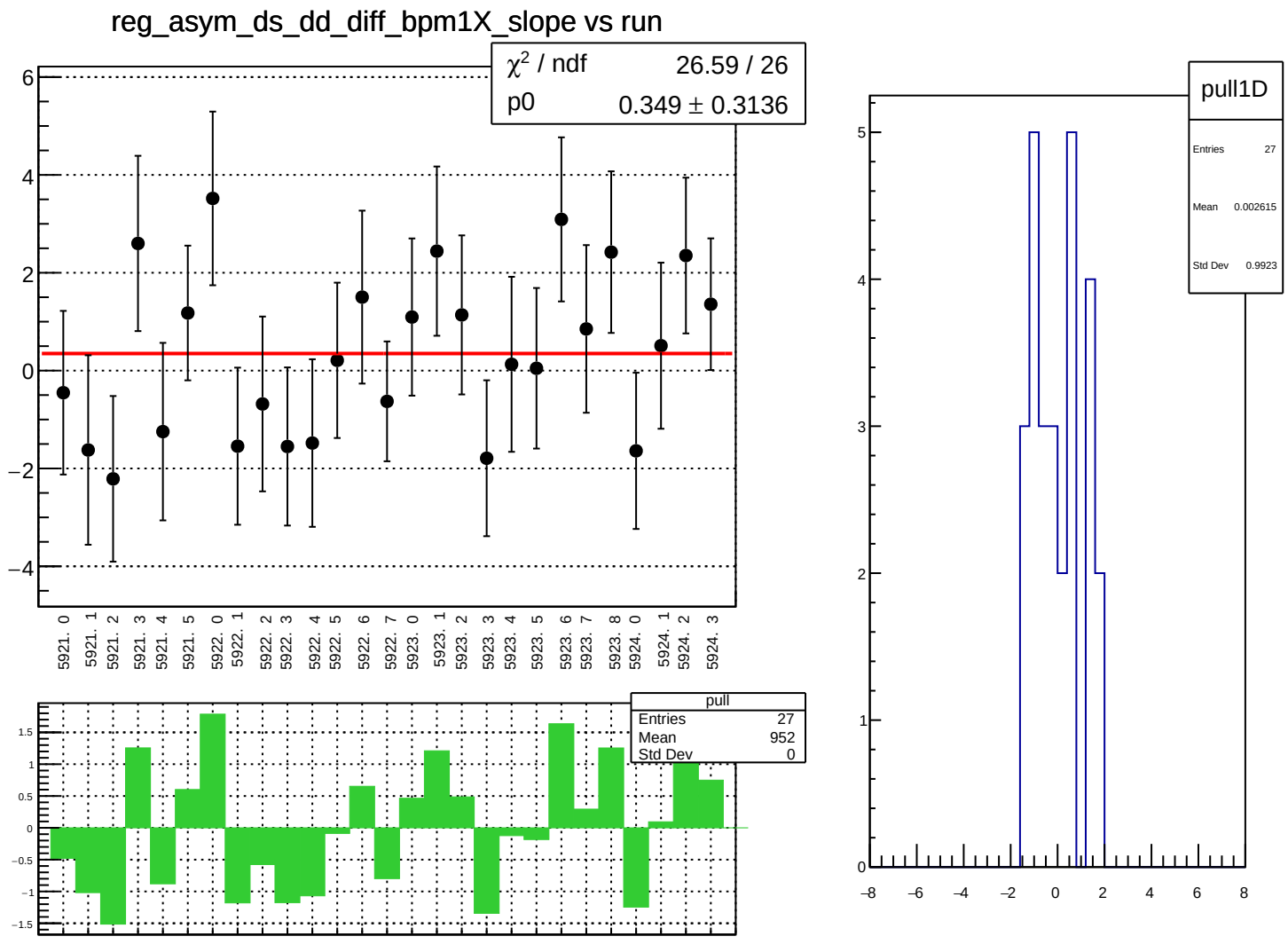

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 47.42 / 26
p0 −0.3515 ± 0.4601
pull
Entries 27
Mean 46.8
Std Dev 0
pull1D
Entries 27
Mean 0.05048
Std Dev 1.324

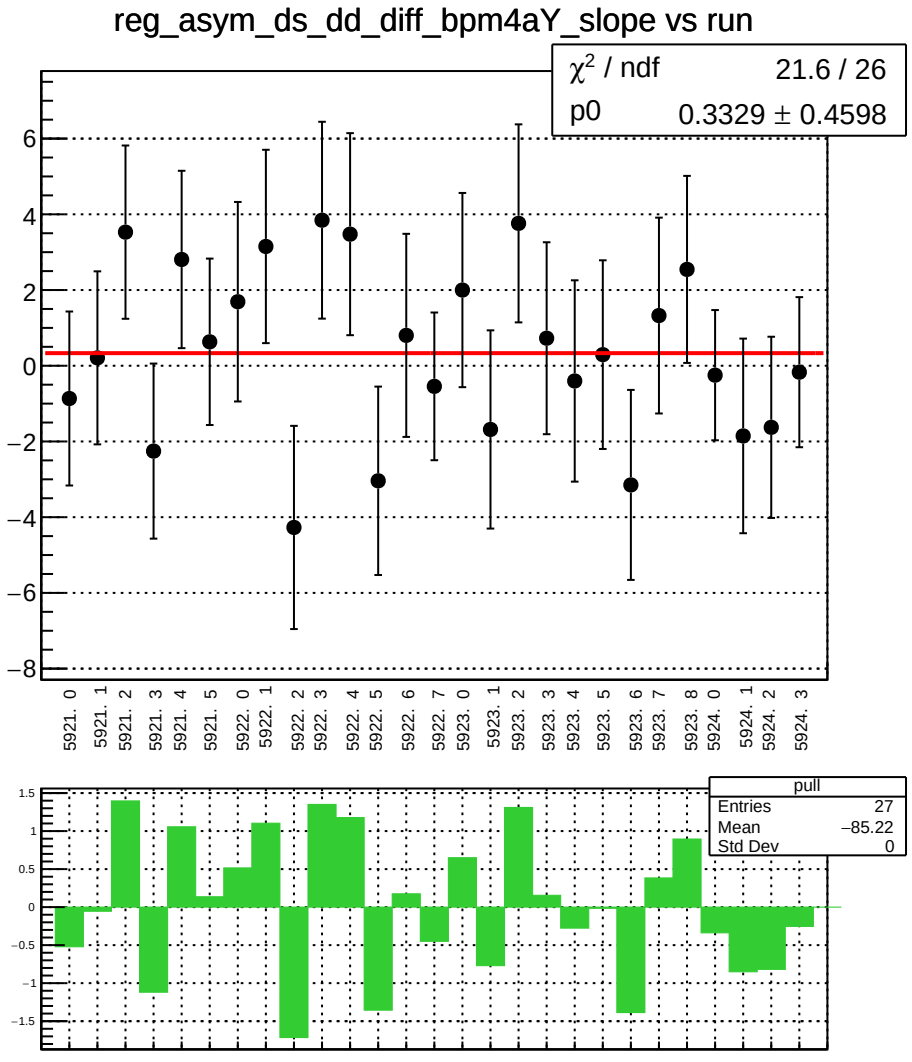

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 14.55 / 26
p0 −0.01274 ± 0.4479
8
6
4
2
0
−2
−4
−6
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 271.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.003091
Std Dev 0.734
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

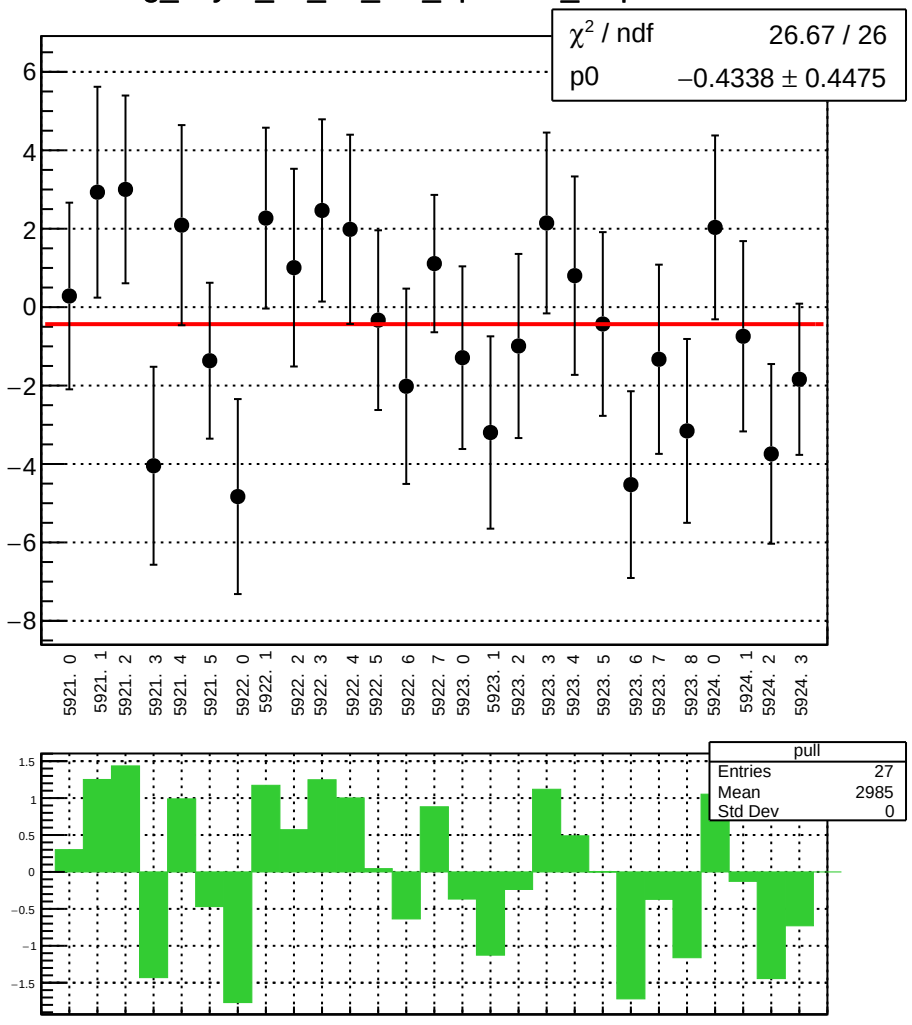

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 47.77 / 26
p0 0.374 ± 0.507
10
5
0
−5
−10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 42.2
Std Dev 0
2
1
0
−1
−2
−3

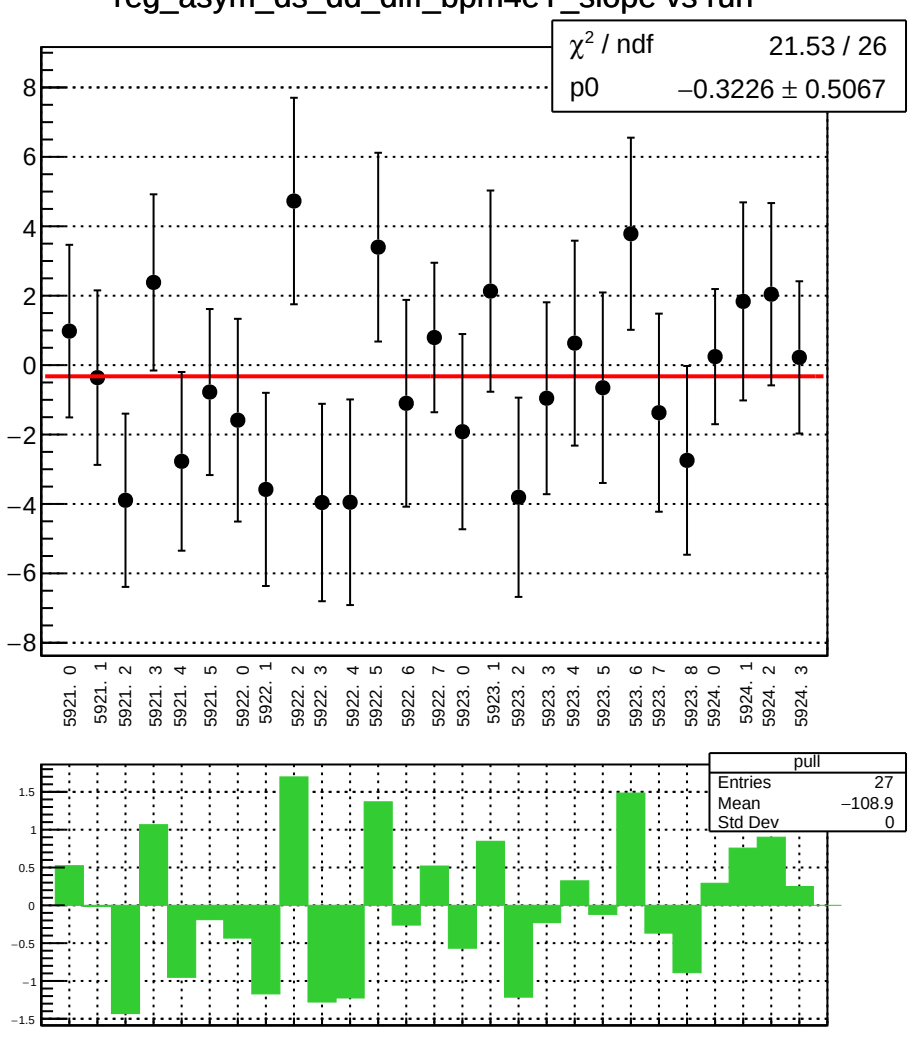

pull1D
Entries 27
Mean −0.05448
Std Dev 1.329
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

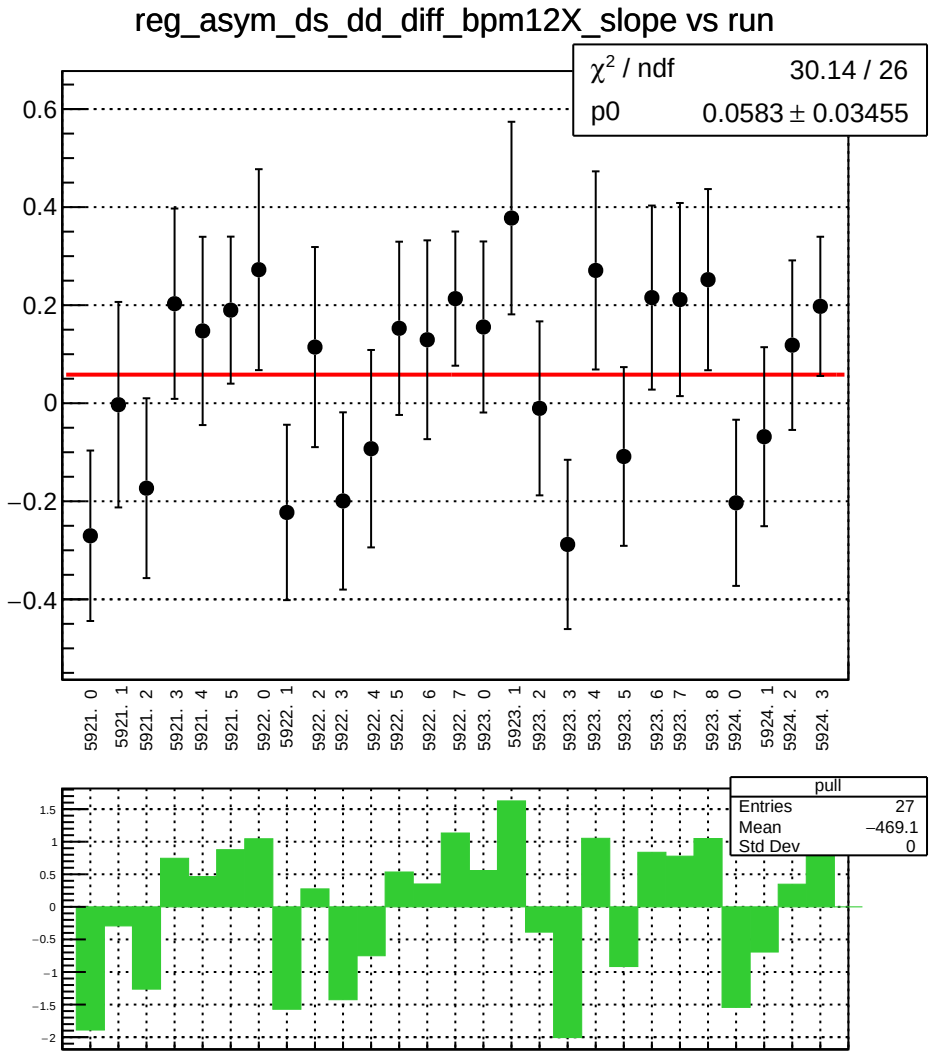

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 27 / 26
p0 0.007155 ± 0.03457
pull
Entries 27
Mean −21.59
Std Dev 0
pull1D
Entries 27
Mean −0.01425
Std Dev 0.9999

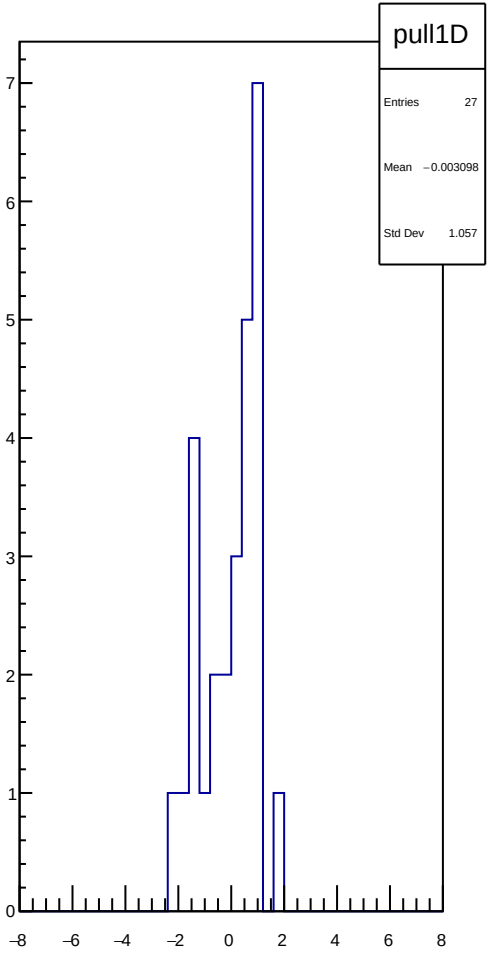

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 26.59 / 26
p0 0.349 ± 0.3136
pull
Entries 27
Mean 952
Std Dev 0
pull1D
Entries 27
Mean 0.002615
Std Dev 0.9923

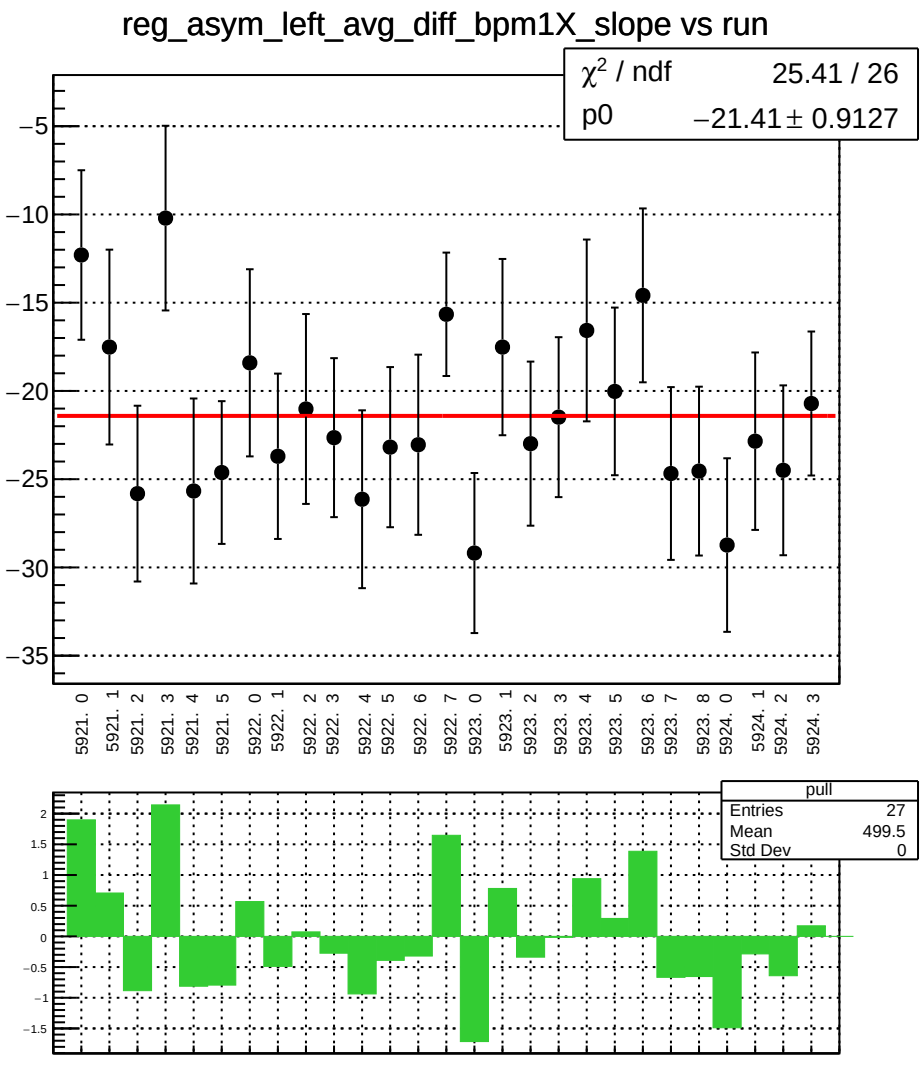

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 21.6 / 26
p0 0.3329 ± 0.4598
pull
Entries 27
Mean −85.22
Std Dev 0
pull1D
Entries 27
Mean 0.01412
Std Dev 0.8943

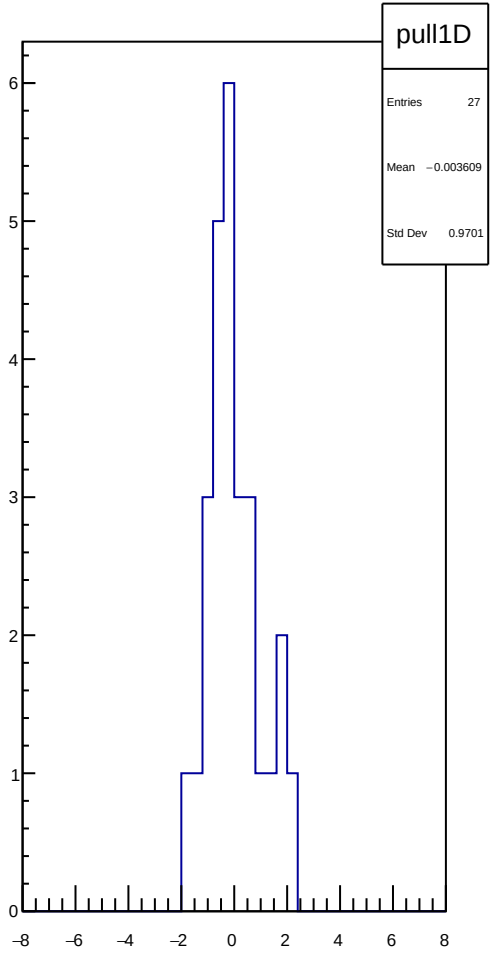

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 26.67 / 26
p0 −0.4338 ± 0.4475
pull
Entries 27
Mean 2985
Std Dev 0
pull1D
Entries 27
Mean −0.0008732
Std Dev 0.9938

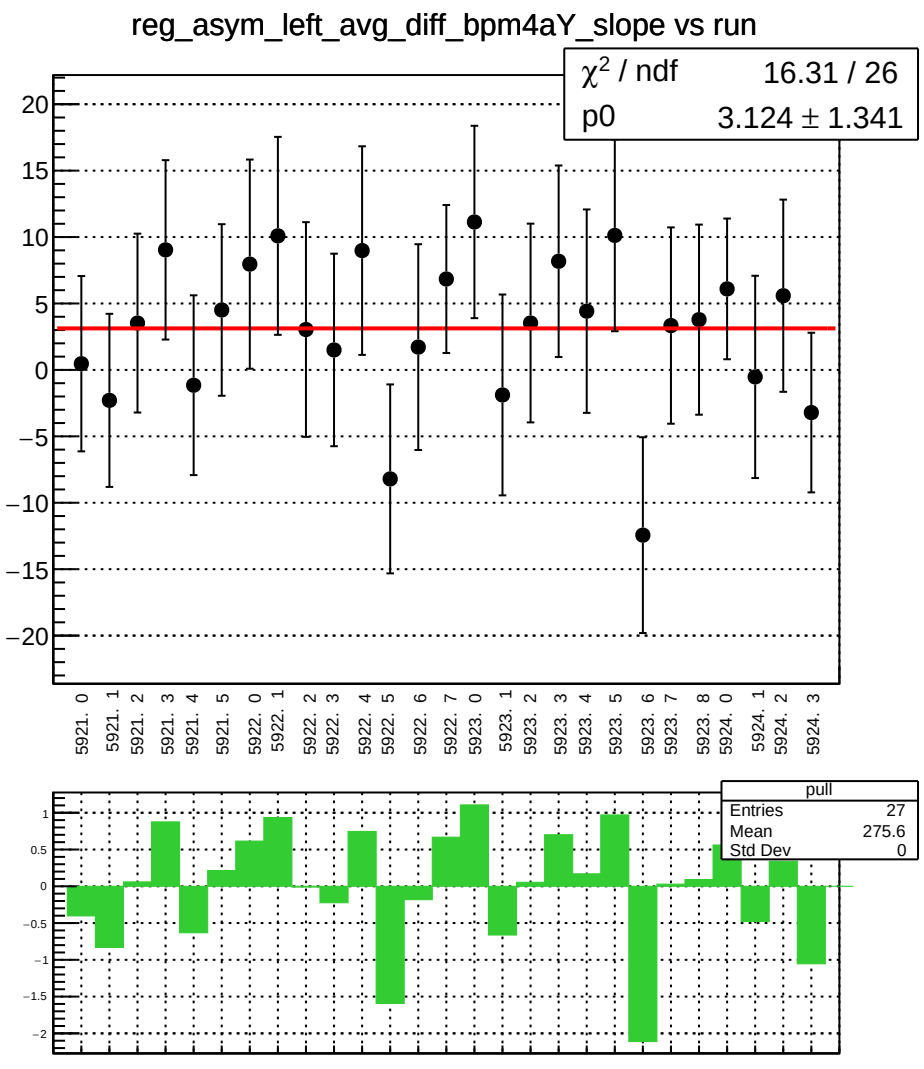

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 21.53 / 26
p0 −0.3226 ± 0.5067
pull
Entries 27
Mean −108.9
Std Dev 0
pull1D
Entries 27
Mean −0.01168
Std Dev 0.8929

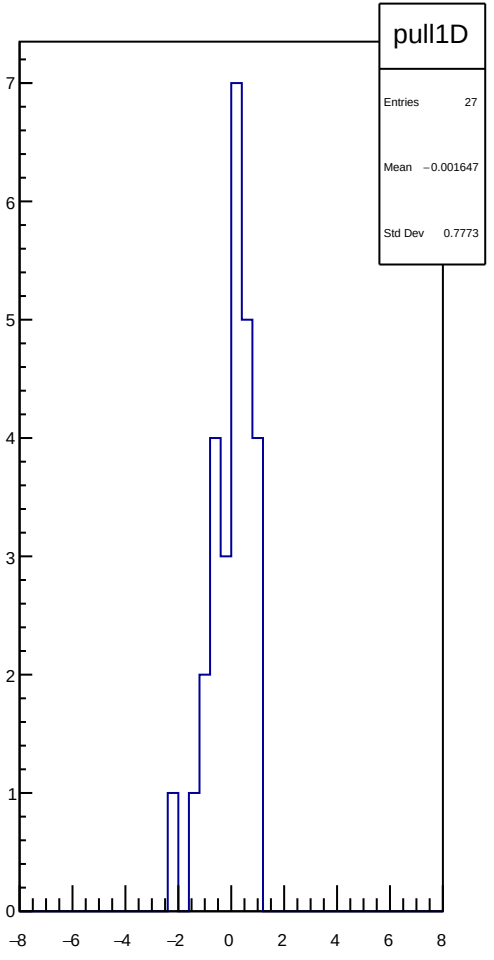

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 30.14 / 26
p0 0.0583 ± 0.03455
0.6
0.4
0.2
0
−0.2
−0.4
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −469.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

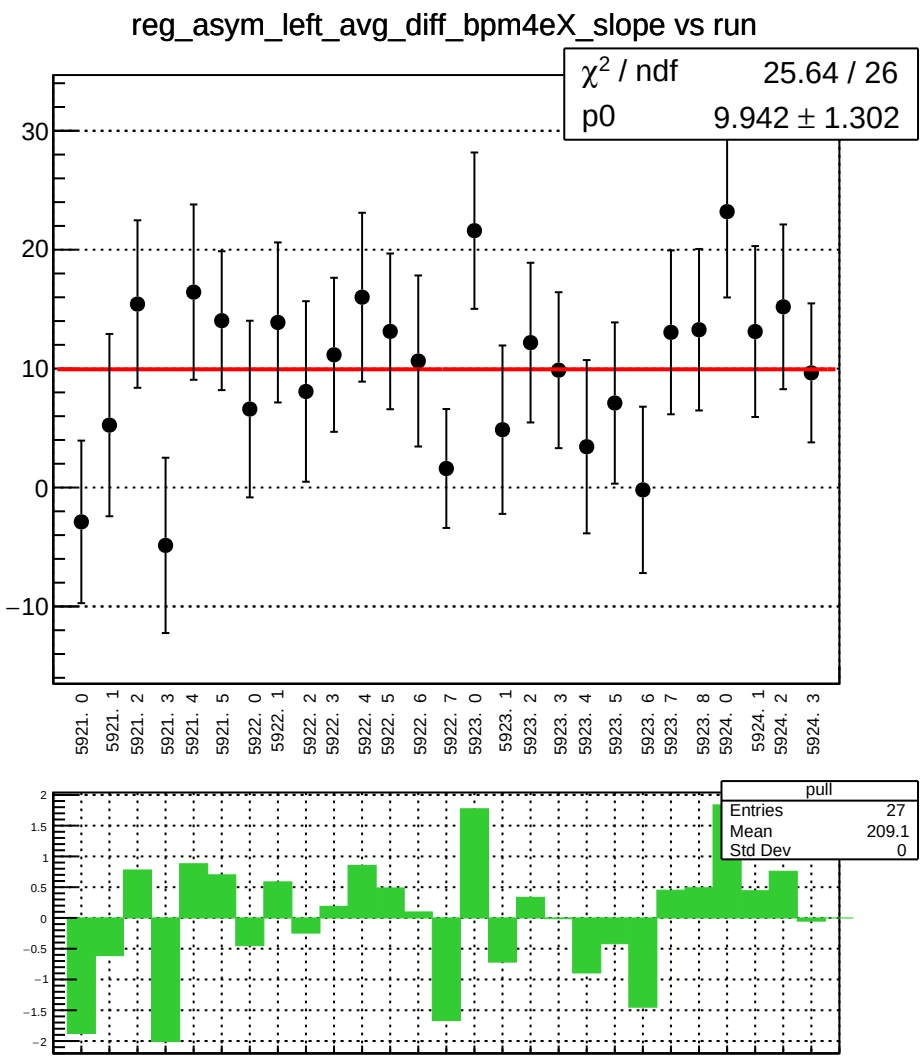

pull1D
Entries 27
Mean −0.003098
Std Dev 1.057
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

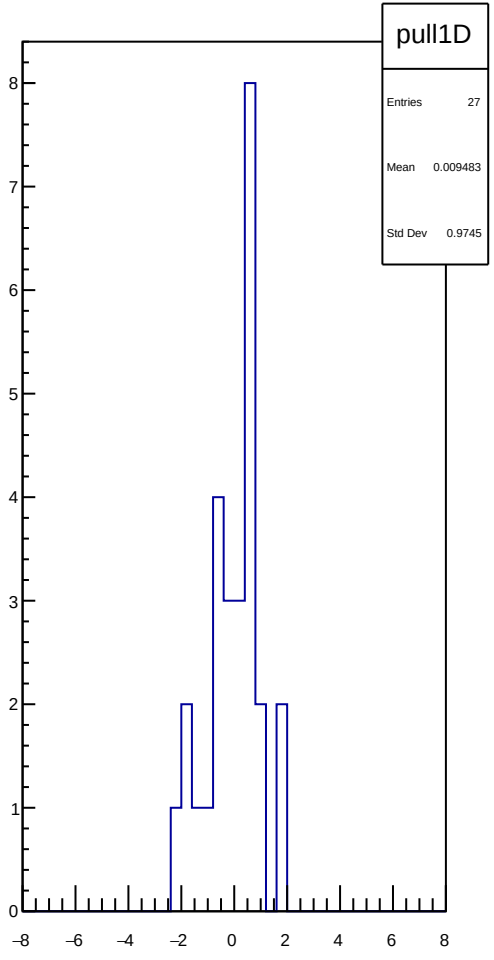

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 25.41 / 26
p0 −21.41 ± 0.9127
−5
−10
−15
−20
−25
−30
−35
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 499.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

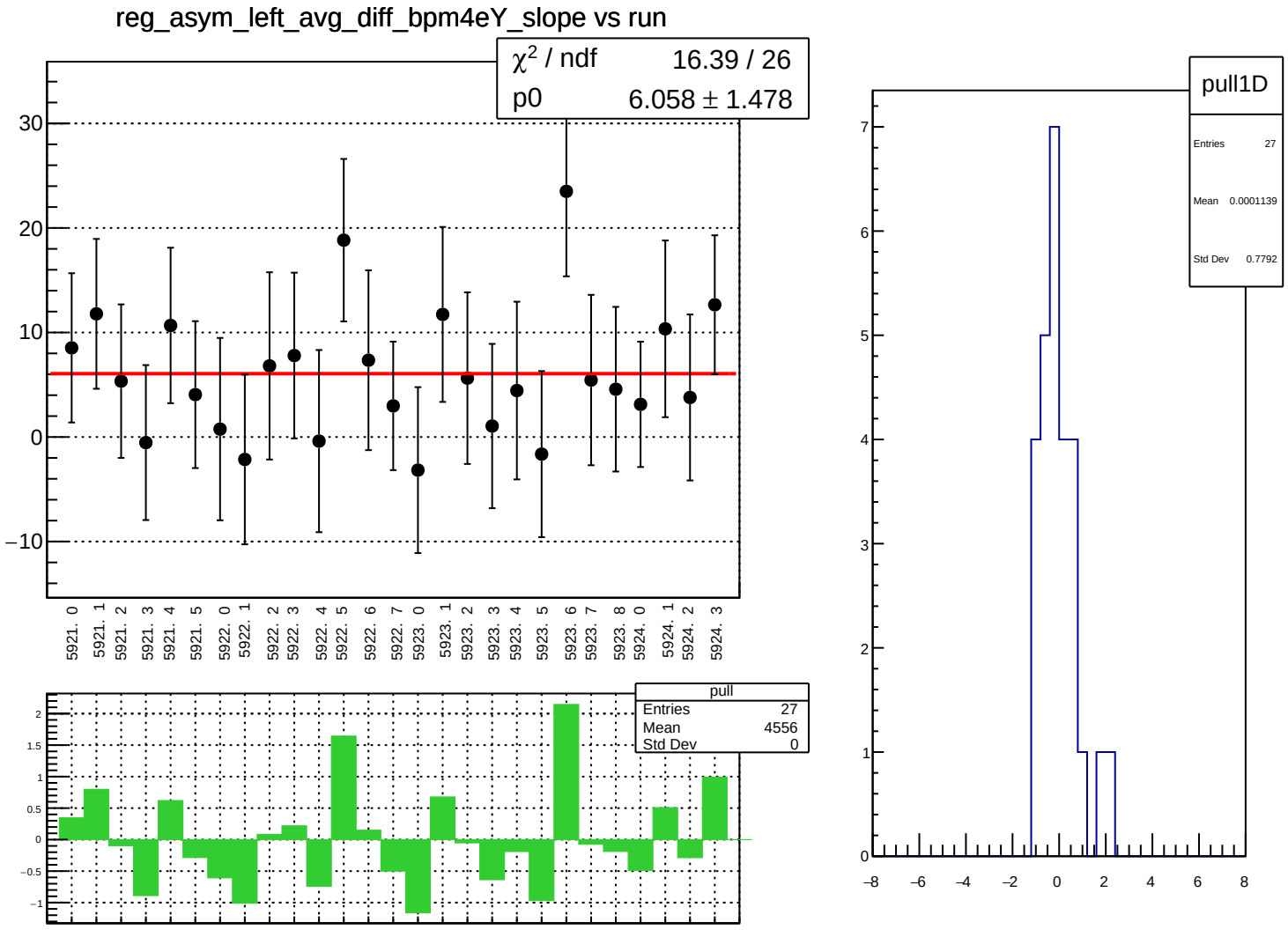

pull1D
Entries 27
Mean −0.003609
Std Dev 0.9701
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

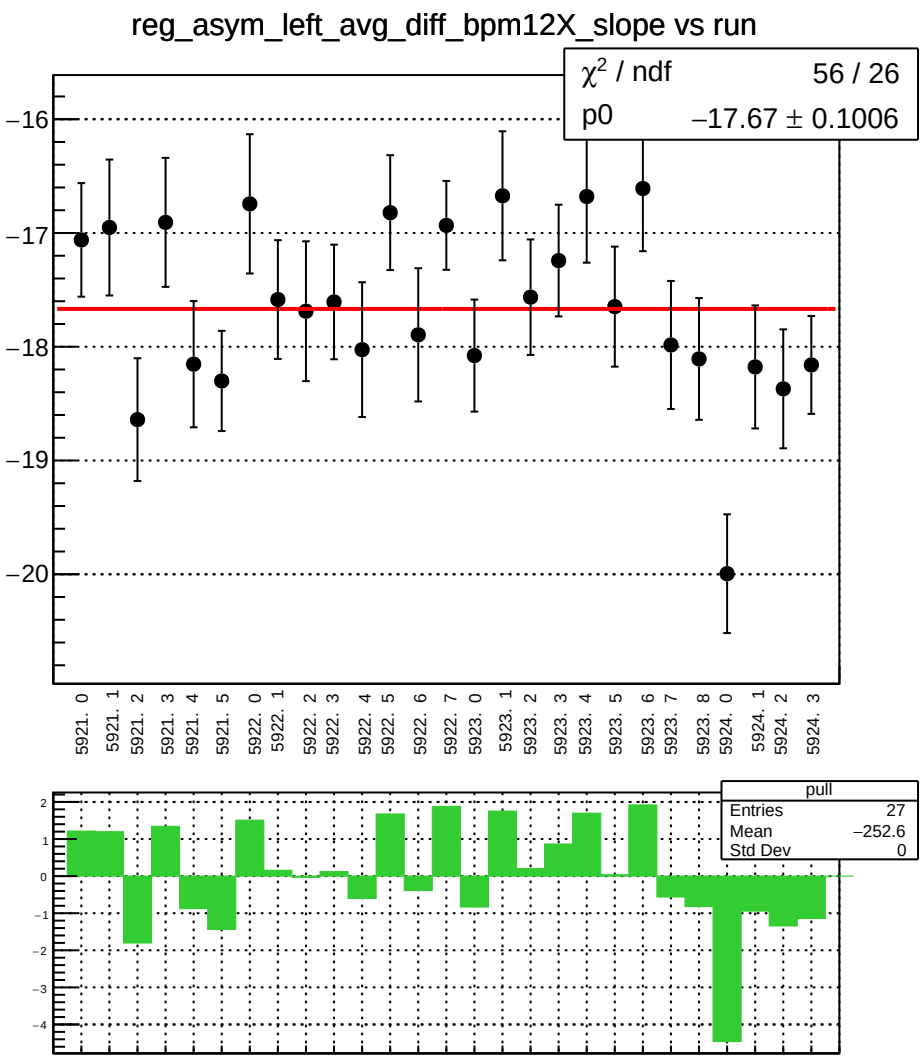

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 16.31 / 26
p0 3.124 ± 1.341
pull
Entries 27
Mean 275.6
Std Dev 0

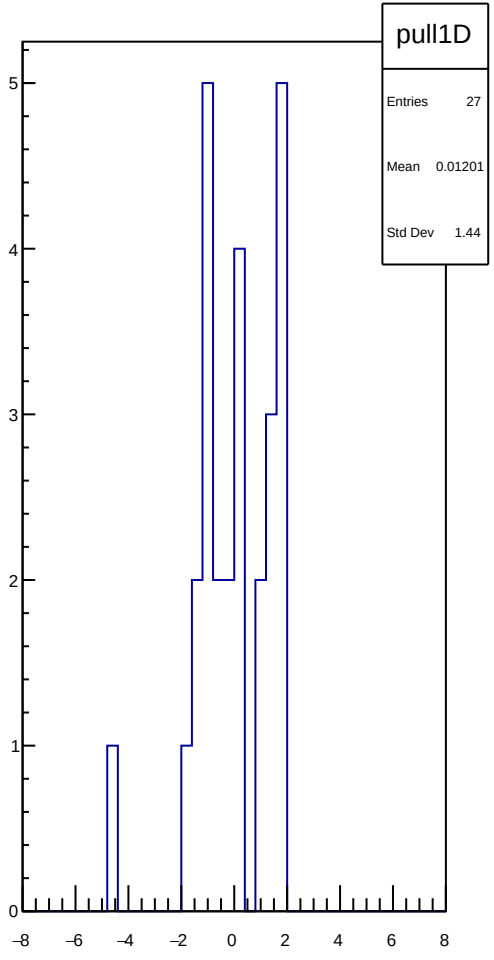

pull1D
Entries 27
Mean −0.001647
Std Dev 0.7773

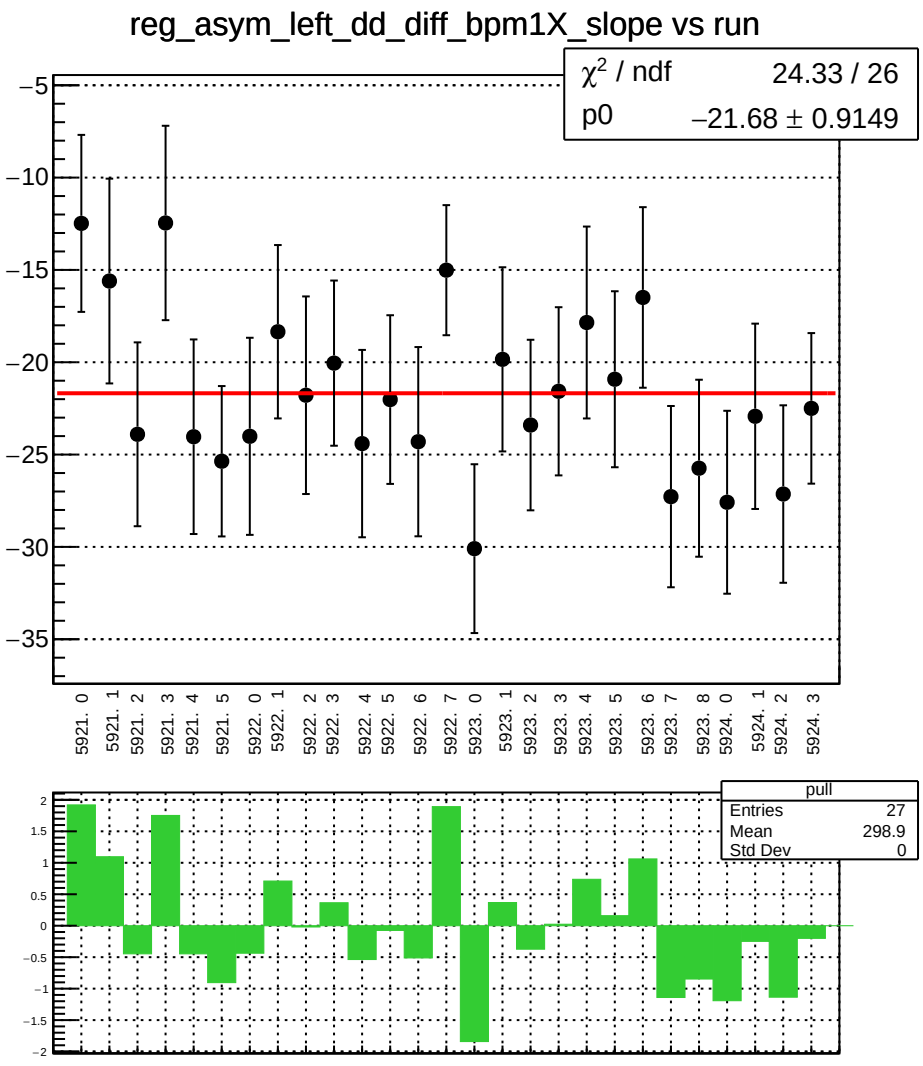

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 25.64 / 26
p0 9.942 ± 1.302
30
20
10
0
−10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 209.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

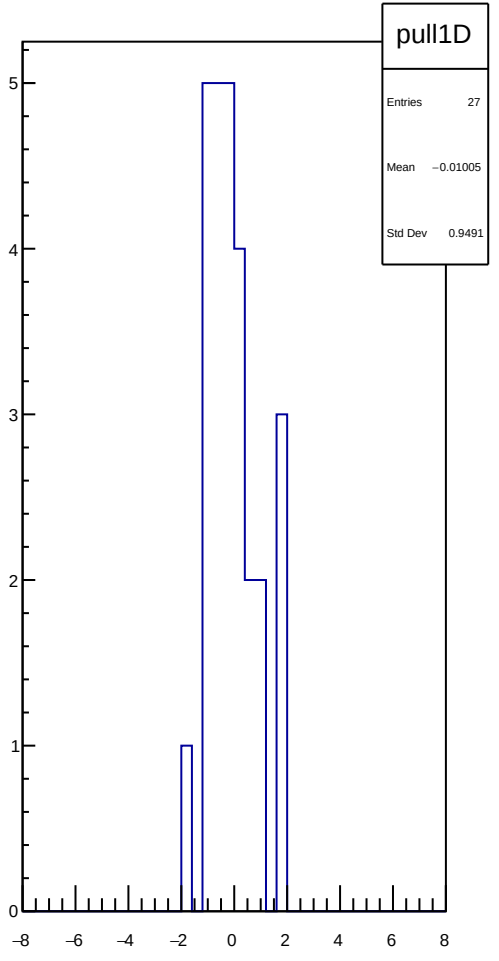

pull1D
Entries 27
Mean 0.009483
Std Dev 0.9745
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

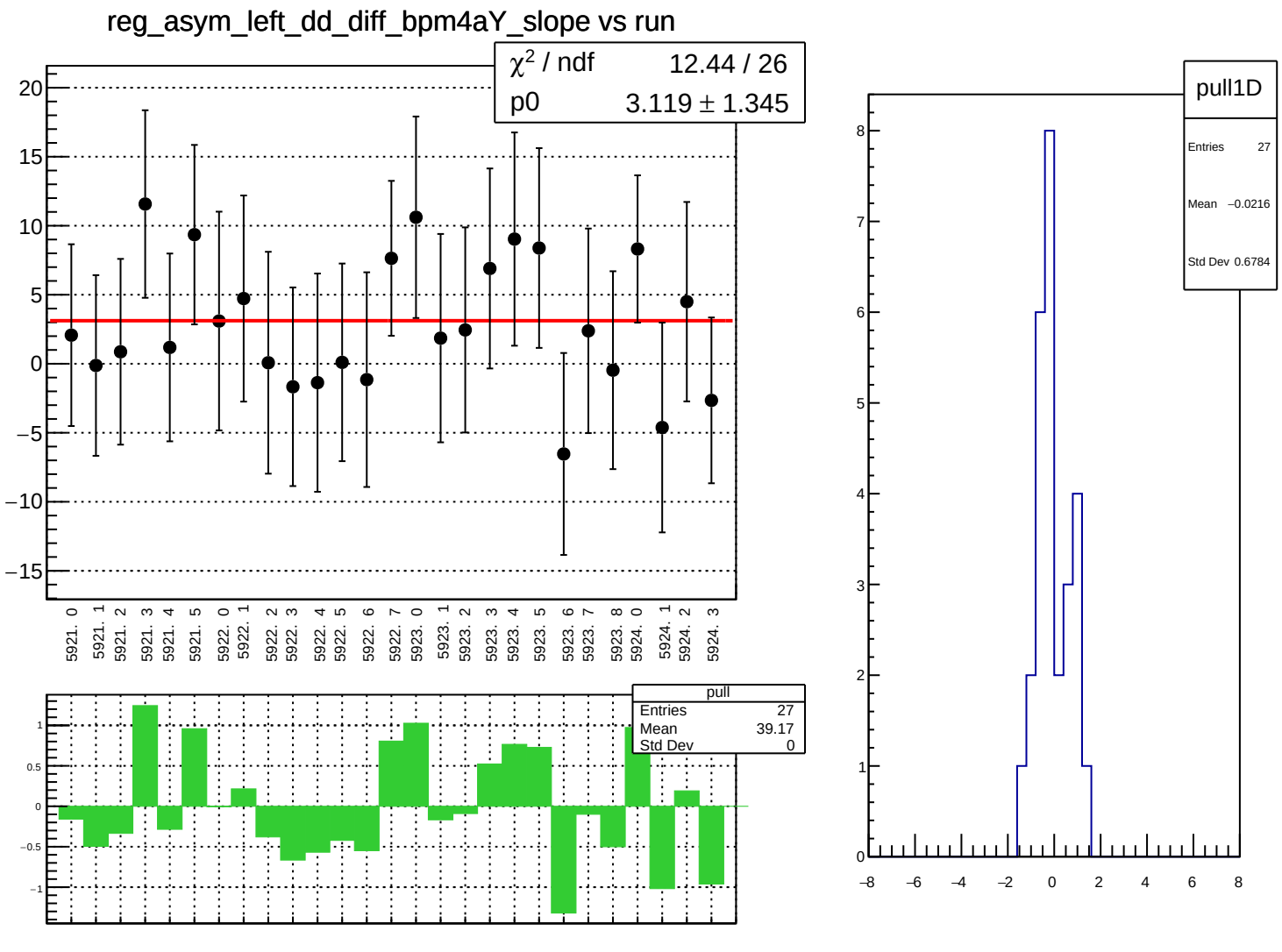

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 16.39 / 26
p0 6.058 ± 1.478
30
20
10
0
−10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 4556
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 27
Mean 0.0001139
Std Dev 0.7792
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

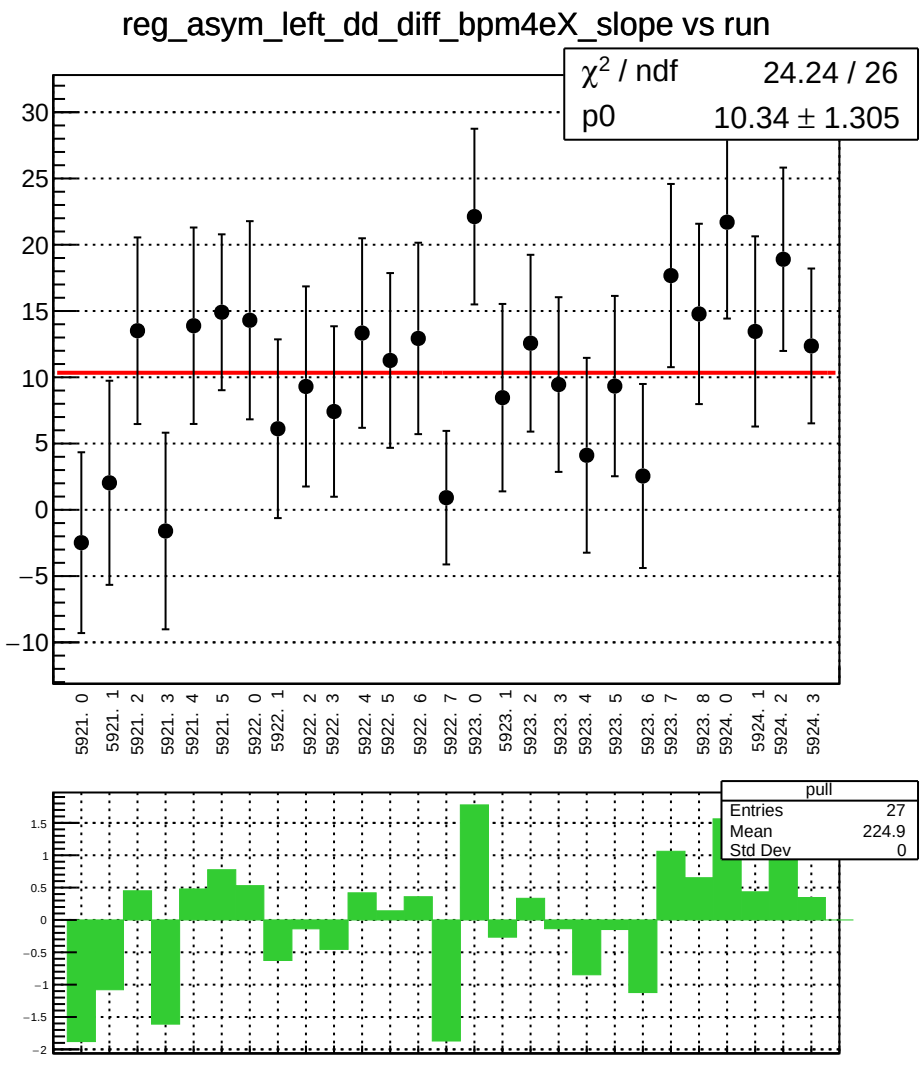

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 56 / 26
p0 −17.67 ± 0.1006
−16
−17
−18
−19
−20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −252.6
Std Dev 0
2
1
0
−1
−2
−3
−4

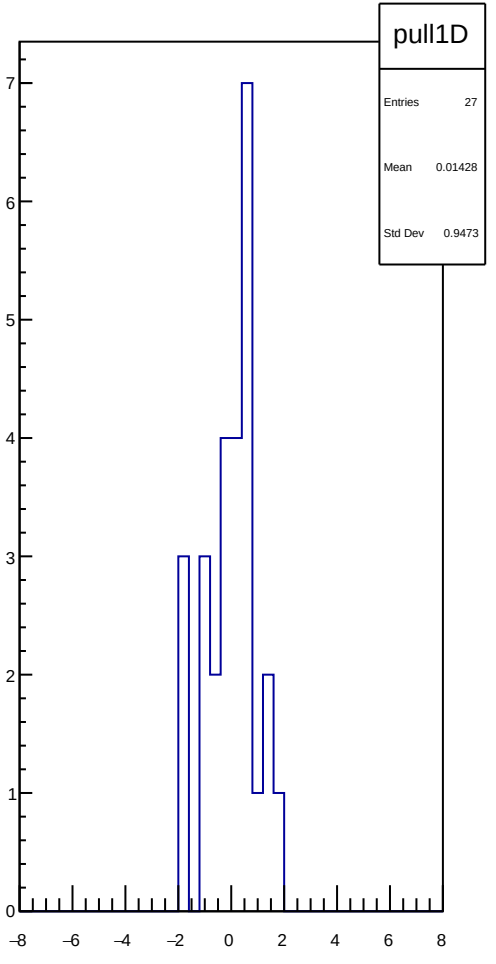

pull1D
Entries 27
Mean 0.01201
Std Dev 1.44
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

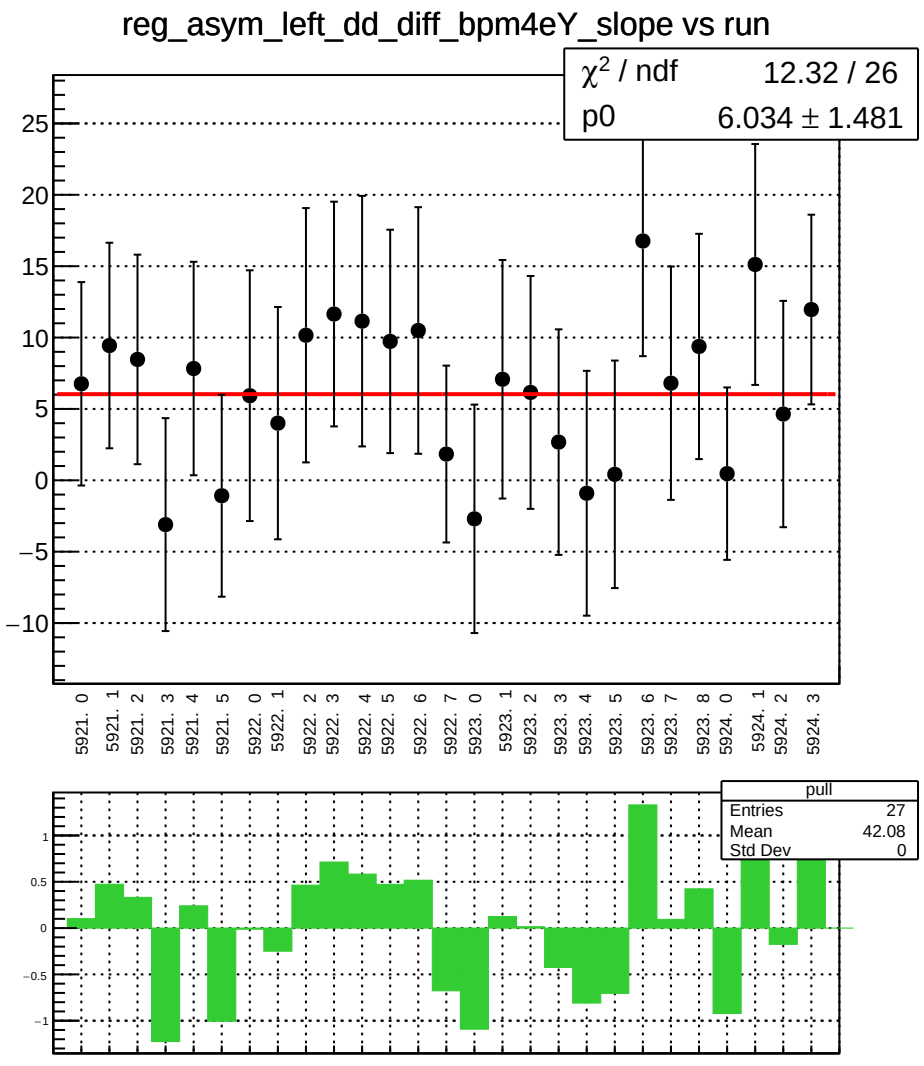

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 24.33 / 26
p0 −21.68 ± 0.9149
−5
−10
−15
−20
−25
−30
−35
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 298.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

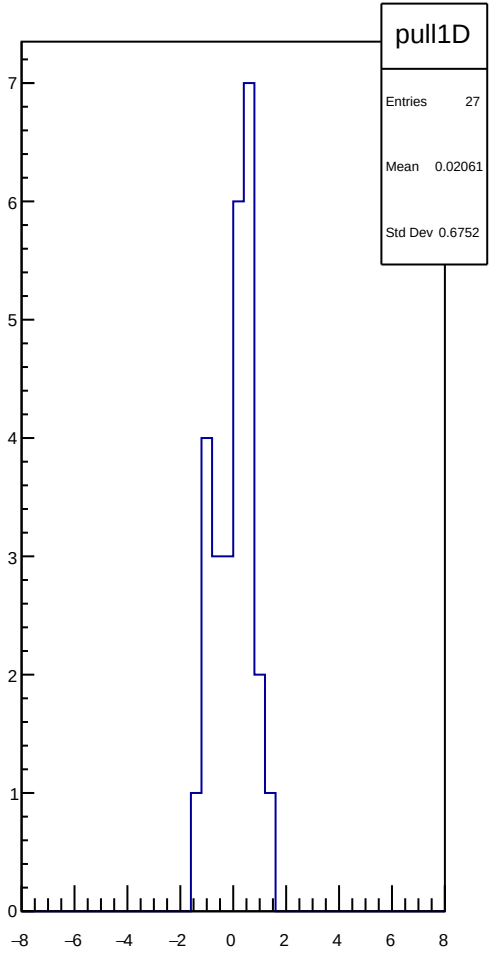

pull1D
Entries 27
Mean −0.01005
Std Dev 0.9491
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

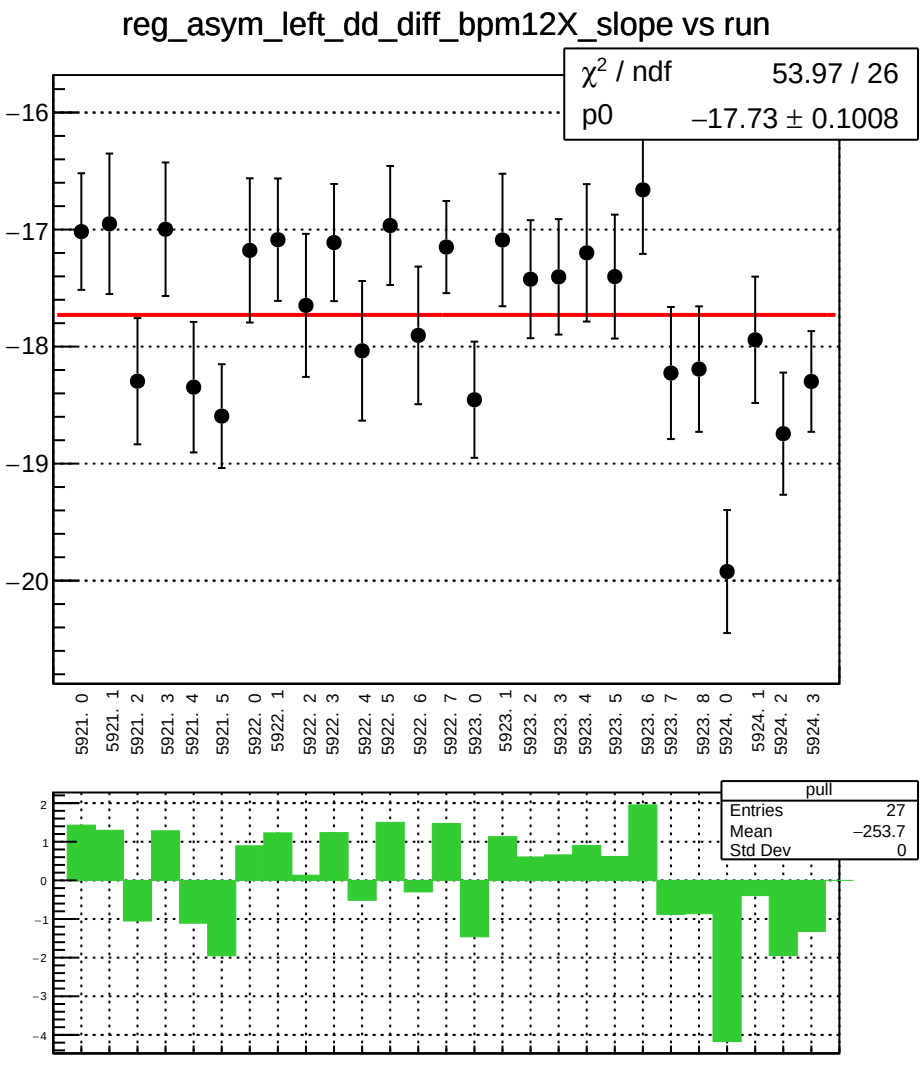

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.44 / 26
p0 3.119 ± 1.345
pull
Entries 27
Mean 39.17
Std Dev 0
pull1D
Entries 27
Mean −0.0216
Std Dev 0.6784

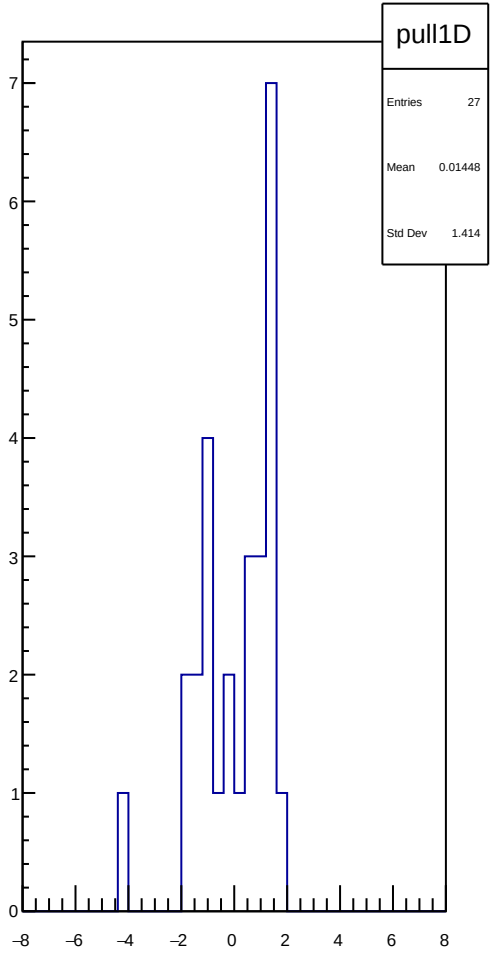

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 24.24 / 26
p0 10.34 ± 1.305
30
25
20
15
10
5
0
−5
−10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 224.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

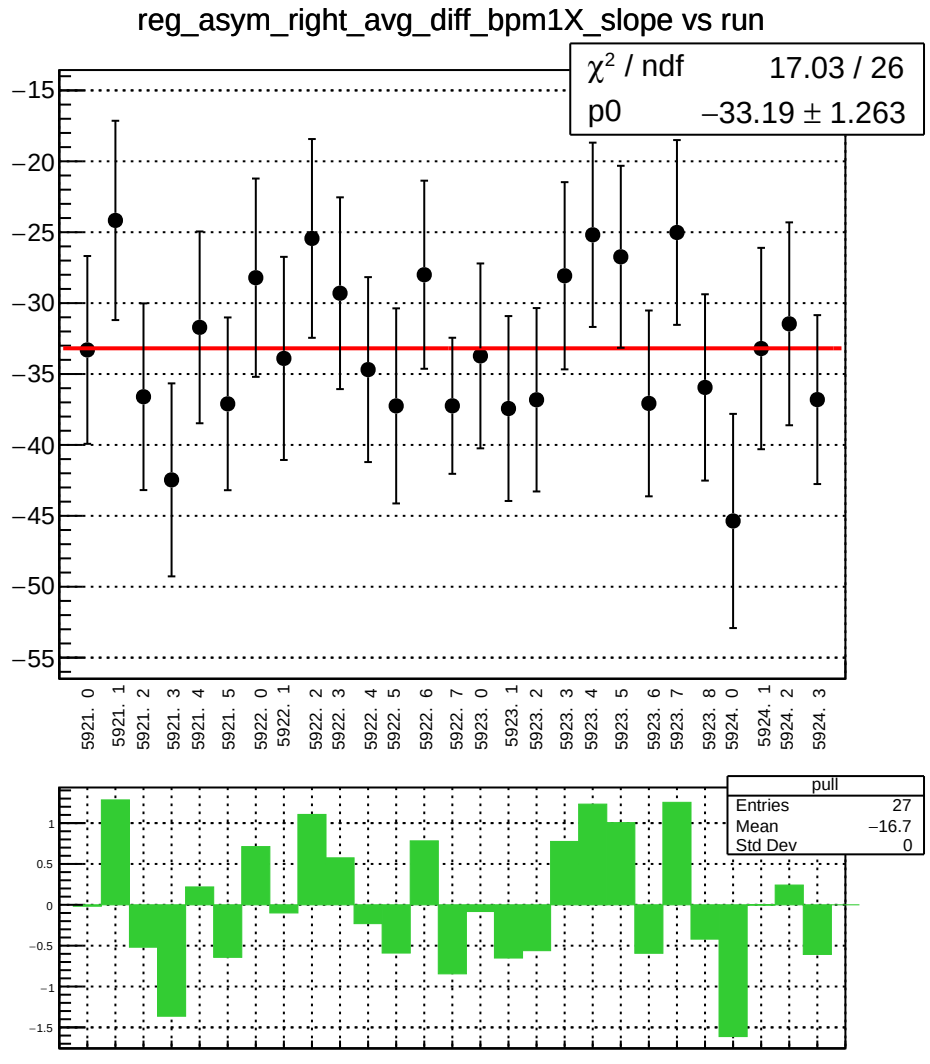

pull1D
Entries 27
Mean 0.01428
Std Dev 0.9473
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

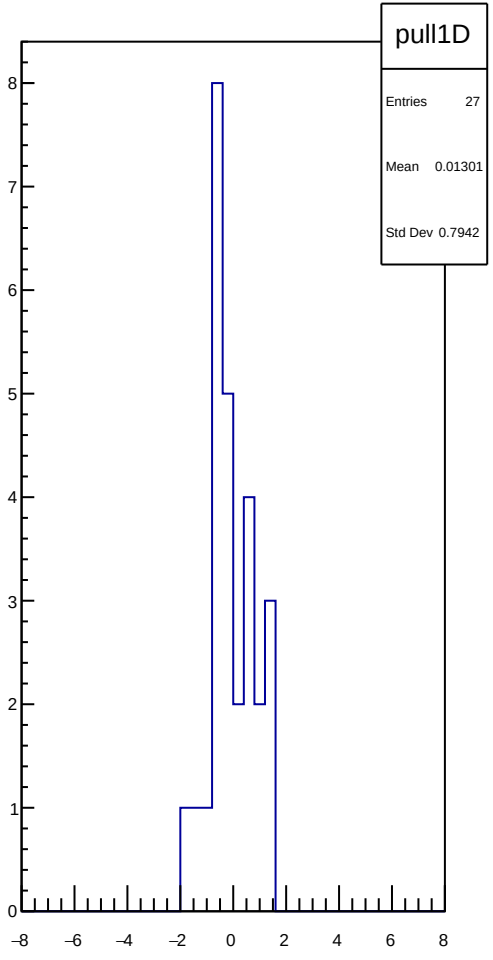

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.32 / 26
p0 6.034 ± 1.481
25
20
15
10
5
0
−5
−10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 42.08
Std Dev 0
1
0.5
0
−0.5
−1

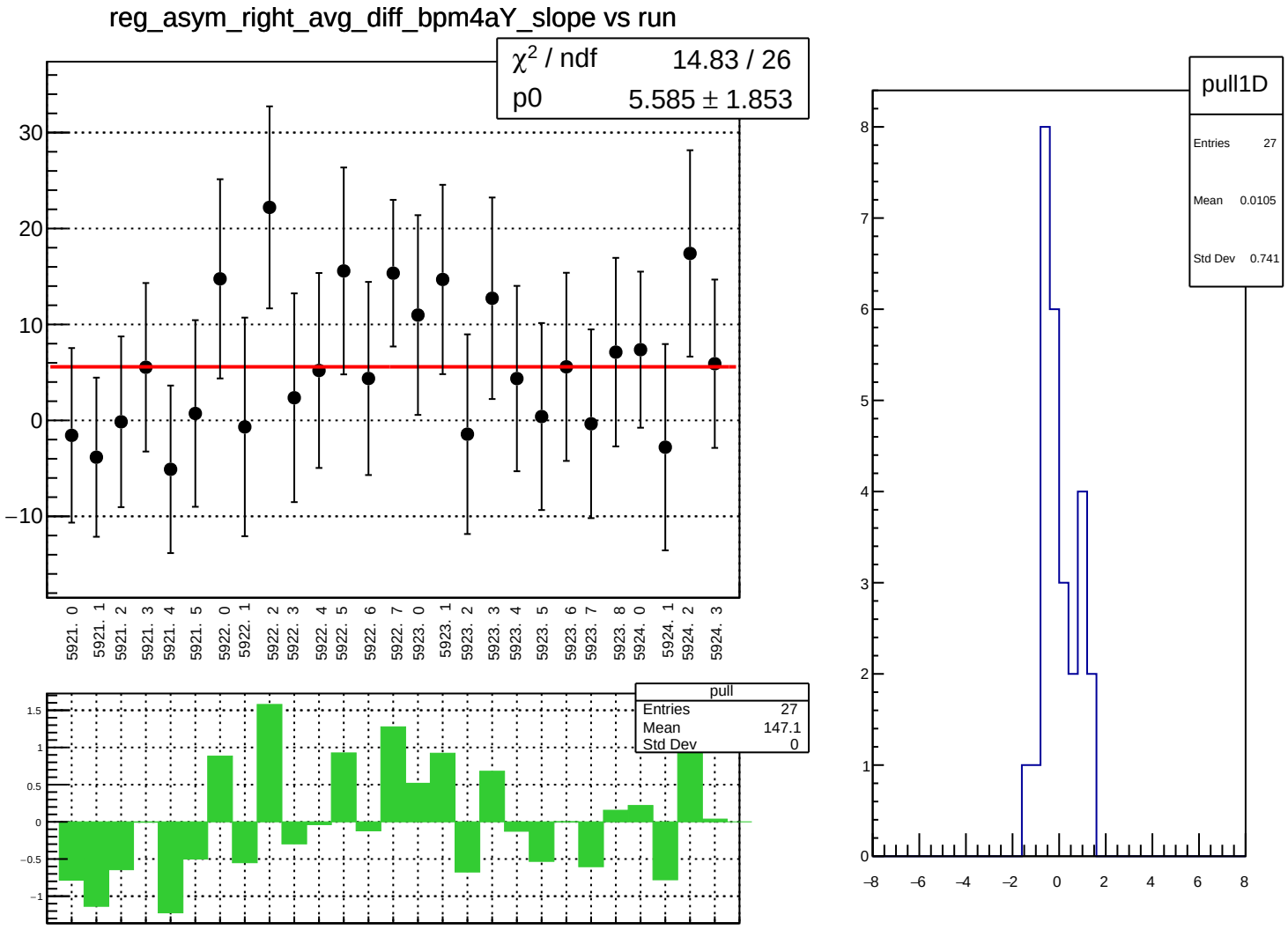

pull1D
Entries 27
Mean 0.02061
Std Dev 0.6752
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

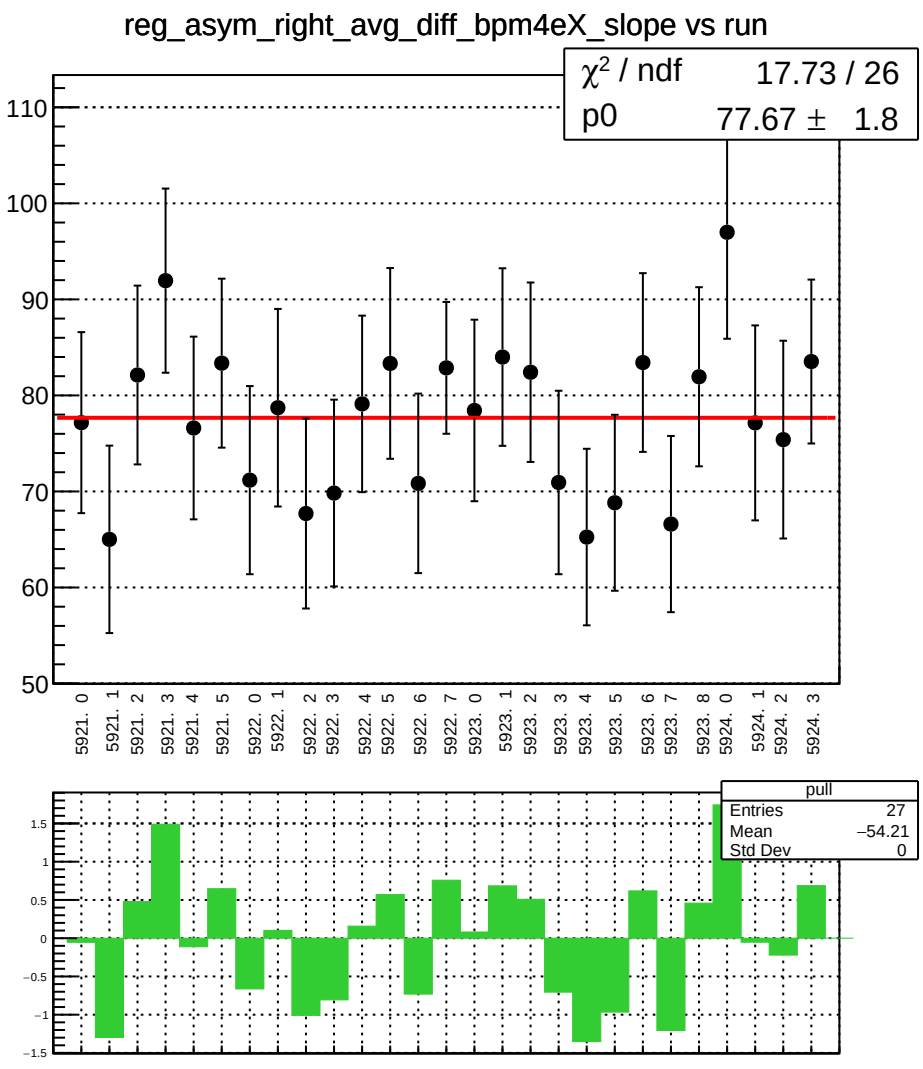

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 53.97 / 26
p0 −17.73 ± 0.1008
−16
−17
−18
−19
−20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −253.7
Std Dev 0
2
1
0
−1
−2
−3
−4

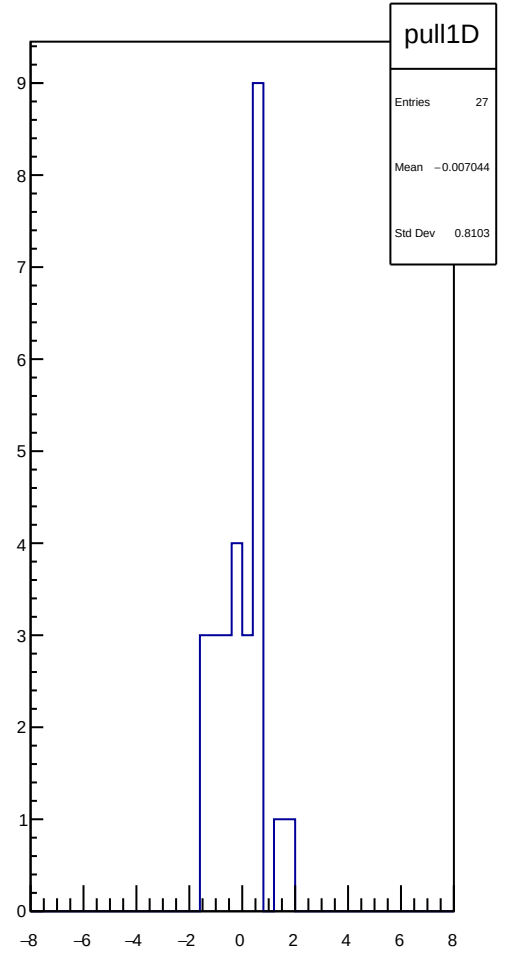

pull1D
Entries 27
Mean 0.01448
Std Dev 1.414
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

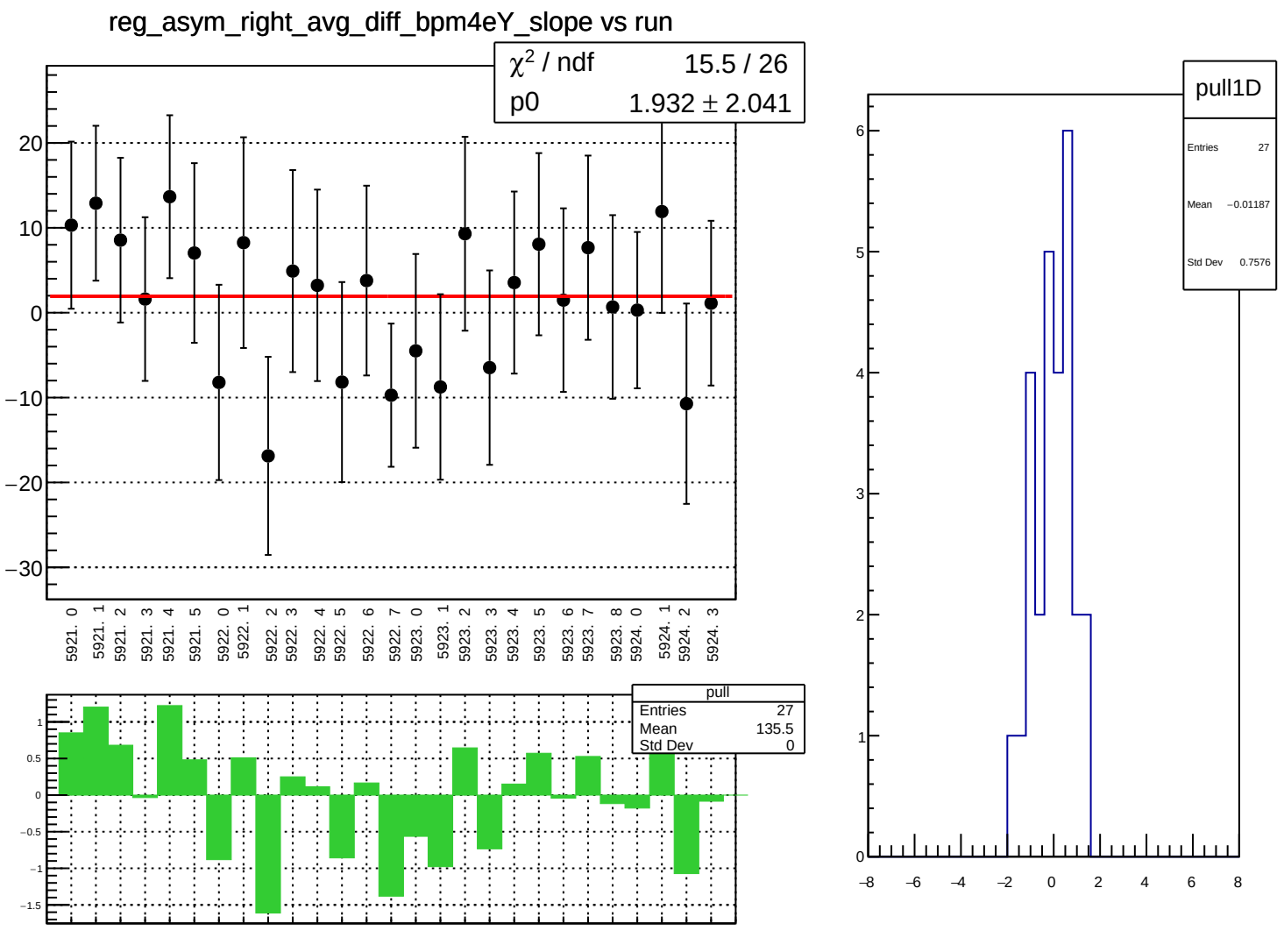

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 17.03 / 26
p0 −33.19 ± 1.263
pull
Entries 27
Mean −16.7
Std Dev 0

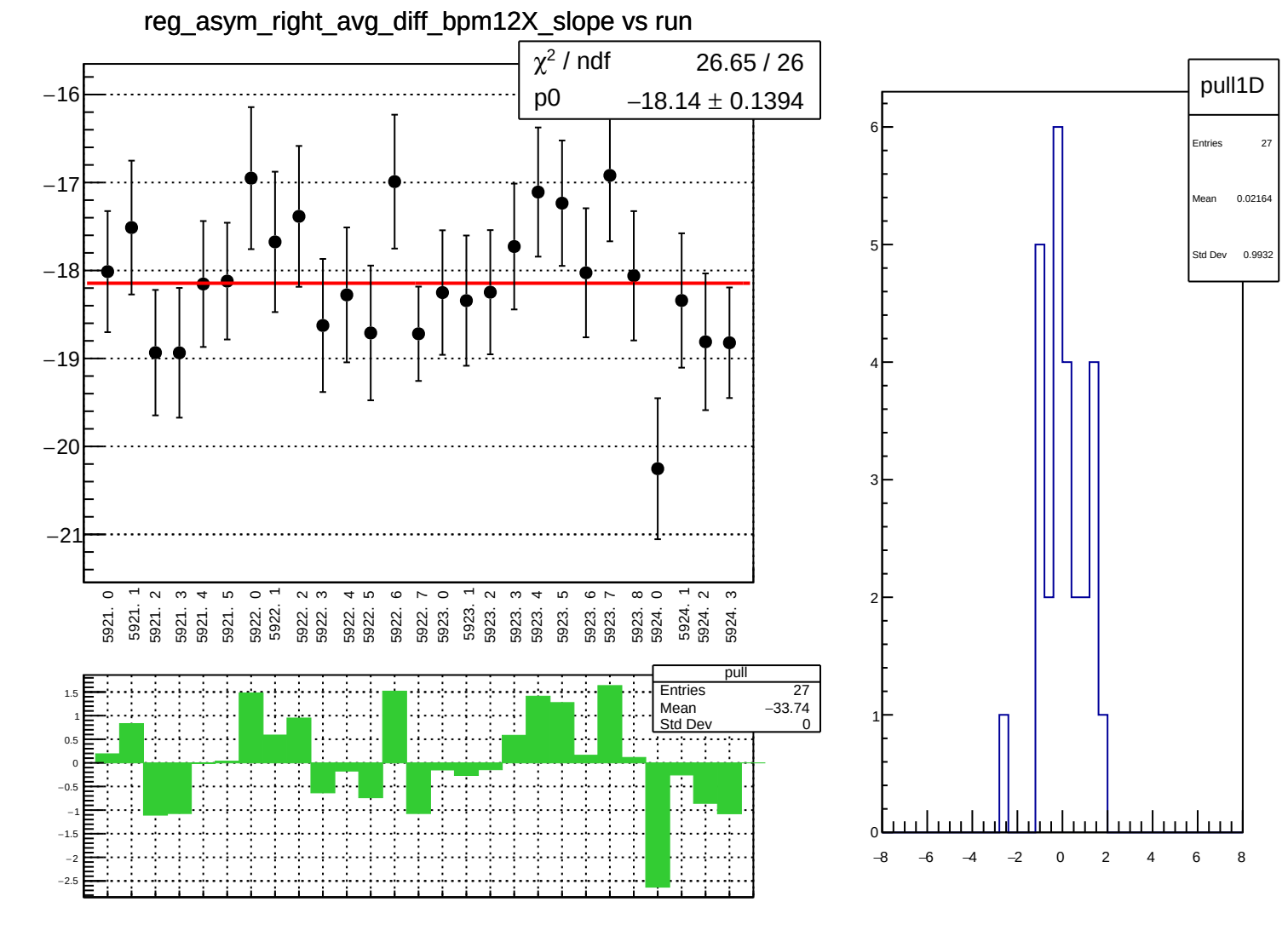

pull1D
Entries 27
Mean 0.01301
Std Dev 0.7942

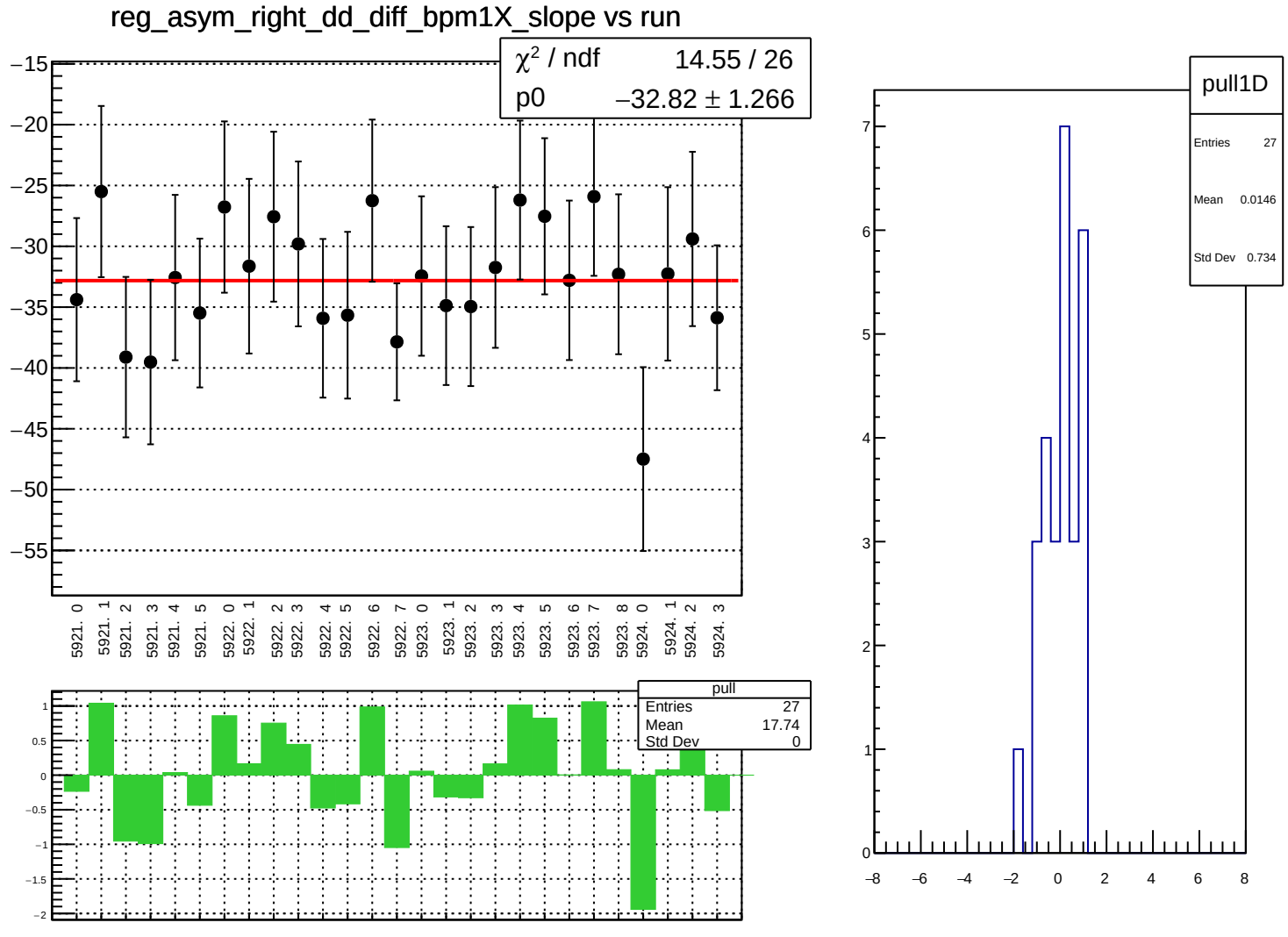

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 14.83 / 26
p0 5.585 ± 1.853
30
20
10
0
−10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 147.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 27
Mean 0.0105
Std Dev 0.741
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

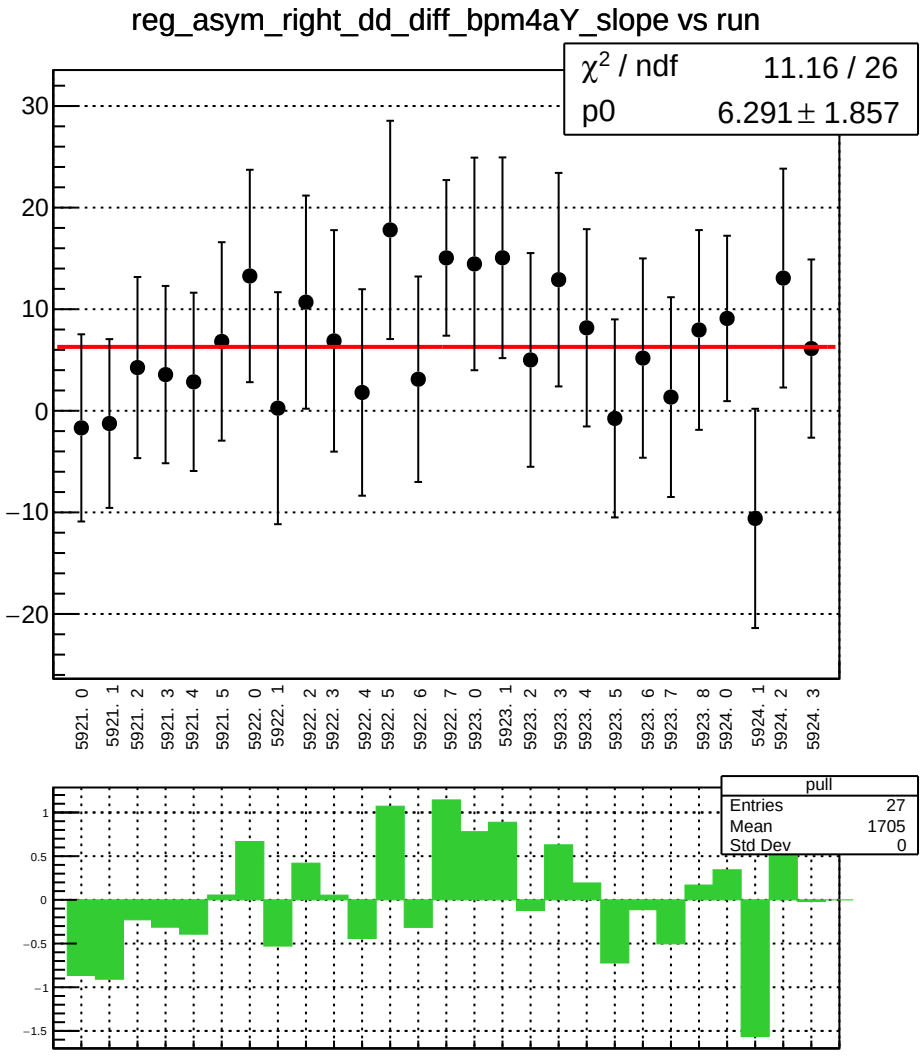

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 17.73 / 26
p0 77.67 ± 1.8
110
100
90
80
70
60
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −54.21
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

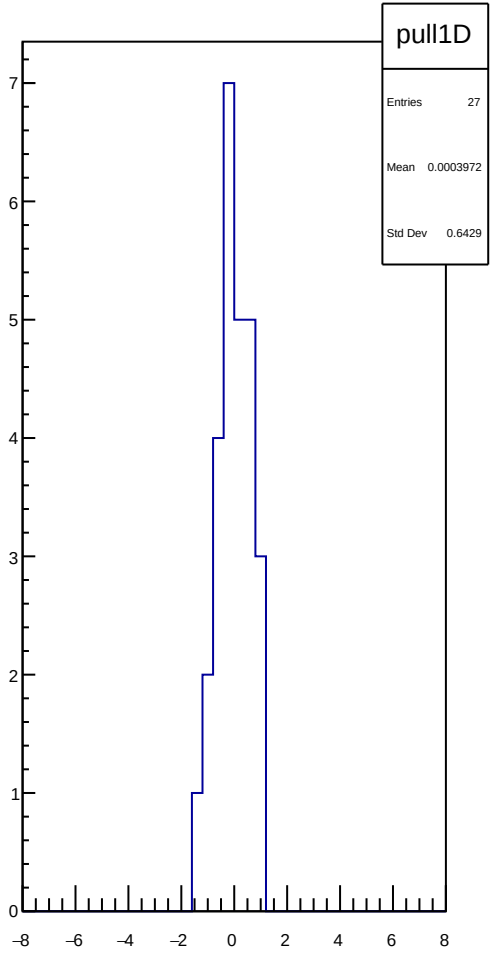

pull1D
Entries 27
Mean −0.007044
Std Dev 0.8103
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

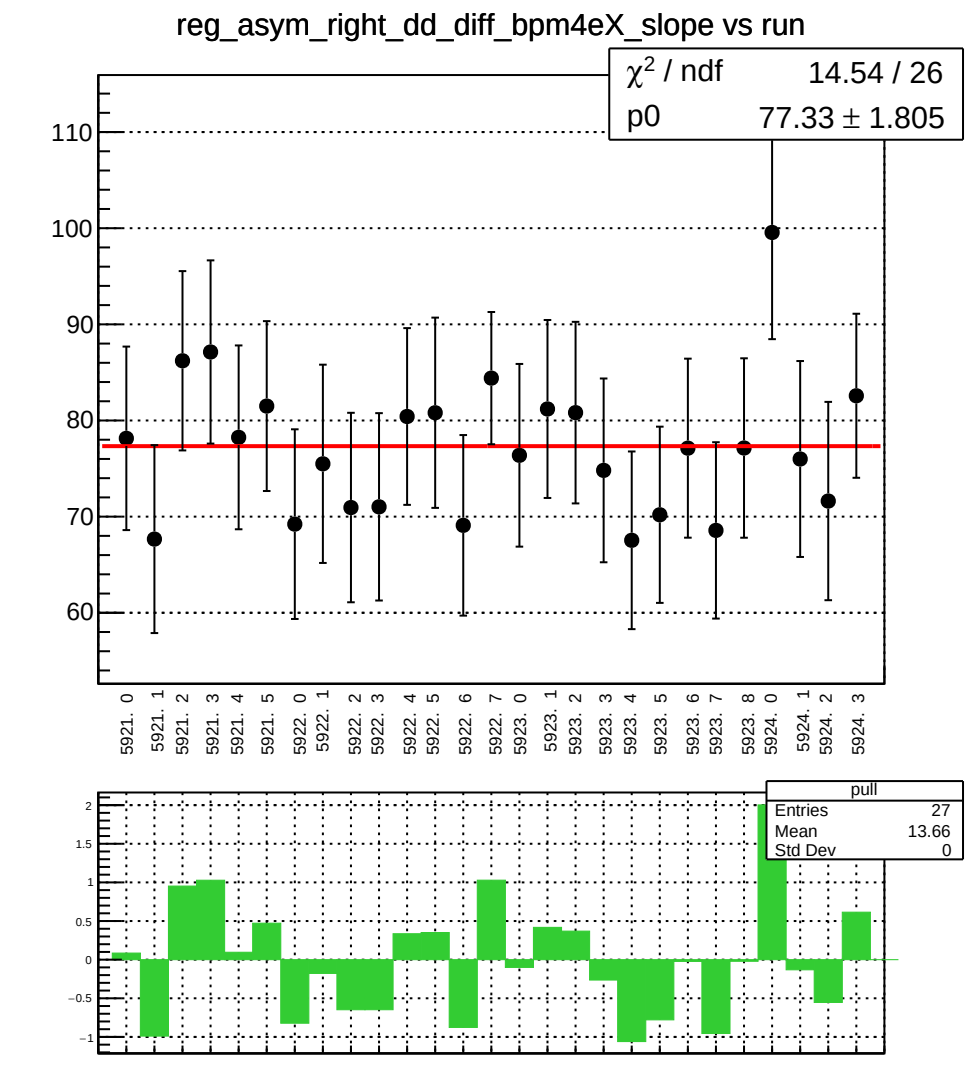

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 15.5 / 26
p0 1.932 ± 2.041
20
10
0
−10
−20
−30
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 135.5
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.01187
Std Dev 0.7576
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

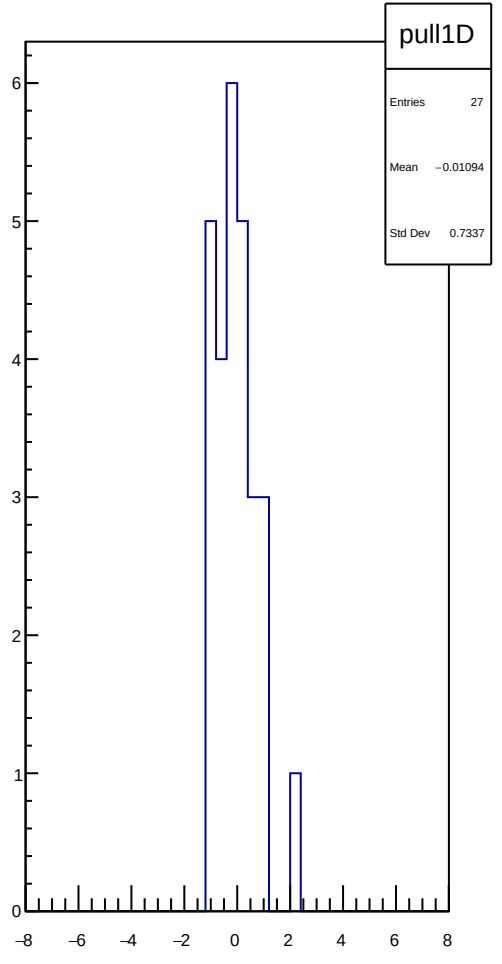

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 26.65 / 26
p0 −18.14 ± 0.1394
−16
−17
−18
−19
−20
−21
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −33.74
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean 0.02164
Std Dev 0.9932
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

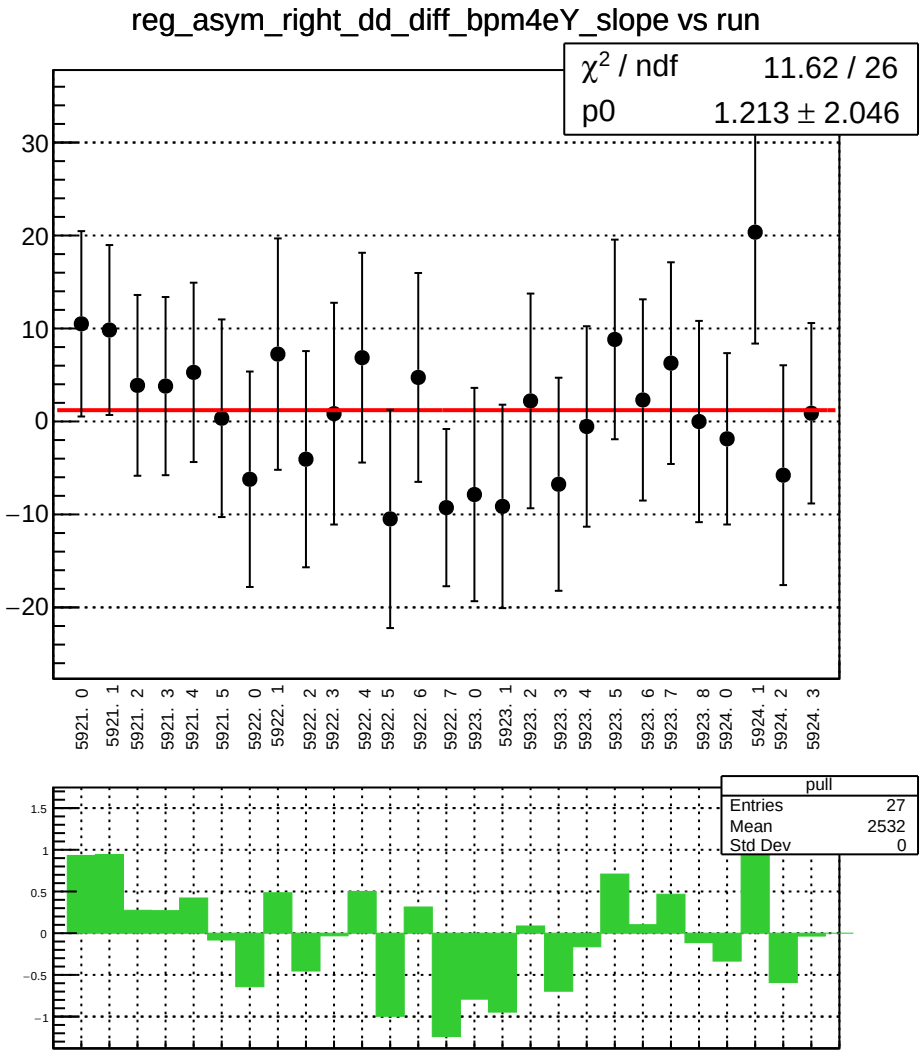

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 14.55 / 26
p0 −32.82 ± 1.266
pull
Entries 27
Mean 17.74
Std Dev 0
pull1D
Entries 27
Mean 0.0146
Std Dev 0.734

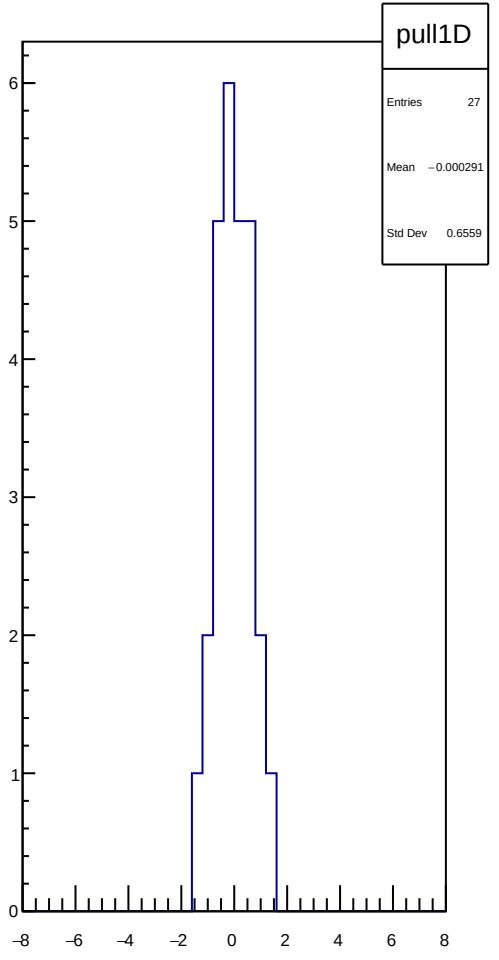

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.16 / 26
p0 6.291 ± 1.857
30
20
10
0
−10
−20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 1705
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

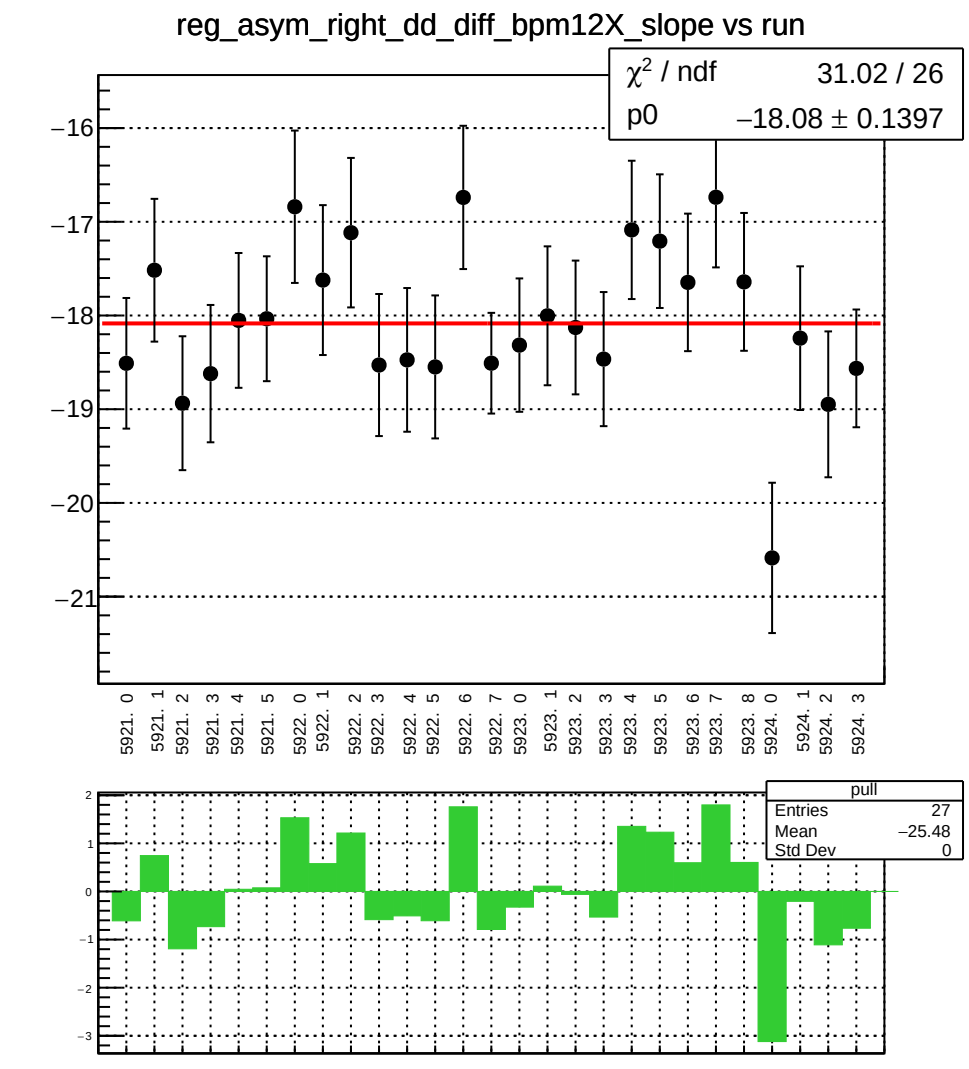

pull1D
Entries 27
Mean 0.0003972
Std Dev 0.6429
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

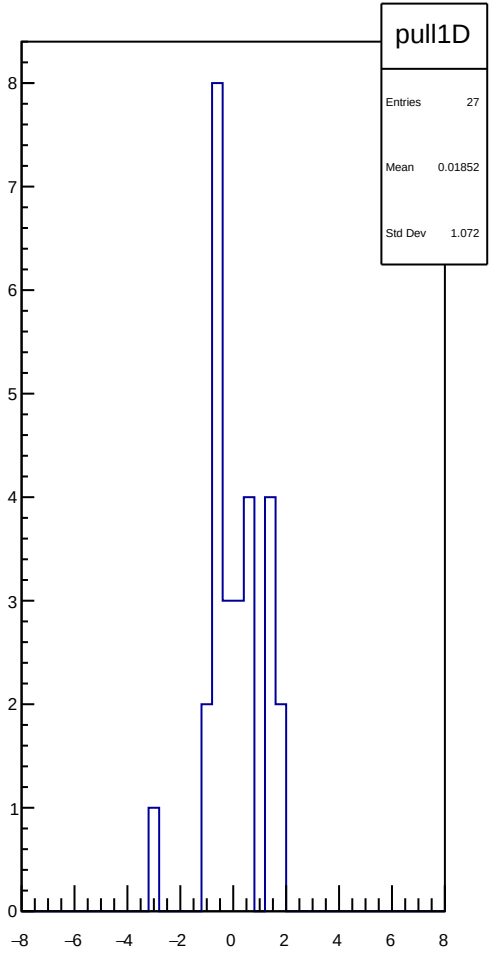

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 14.54 / 26
p0 77.33 ± 1.805
110
100
90
80
70
60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 13.66
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1

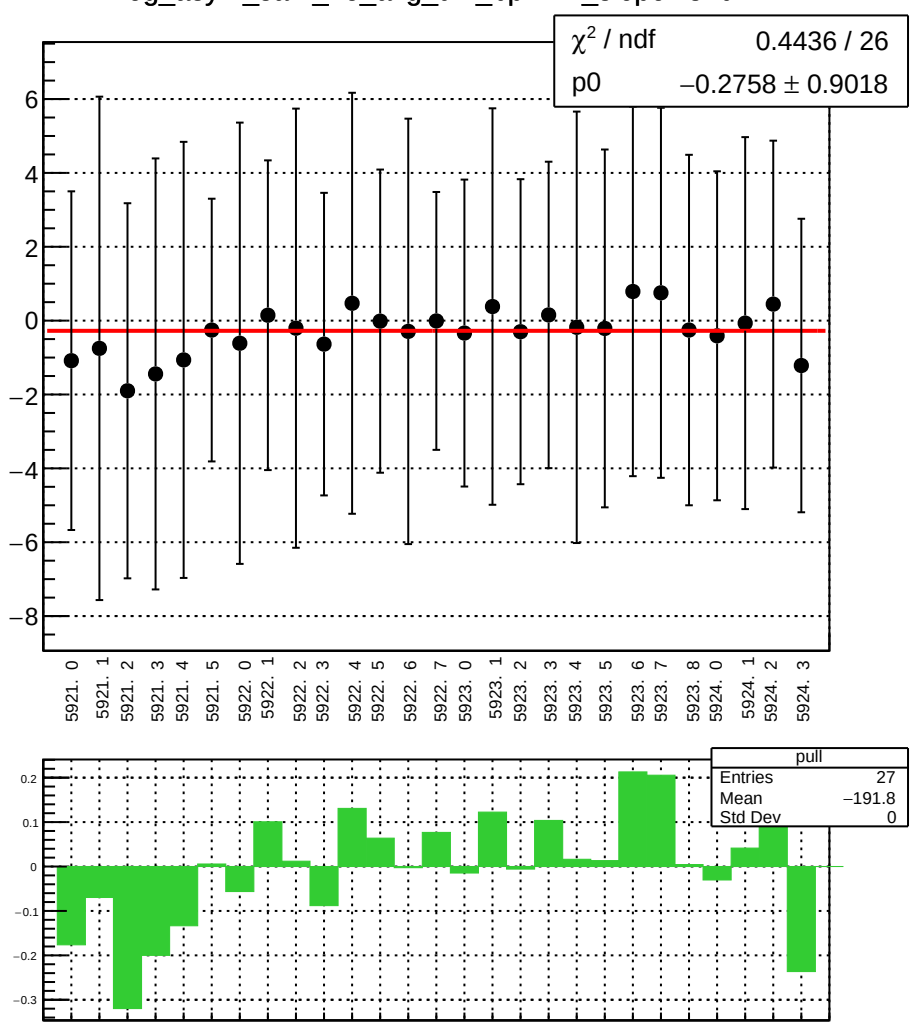

pull1D
Entries 27
Mean −0.01094
Std Dev 0.7337
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

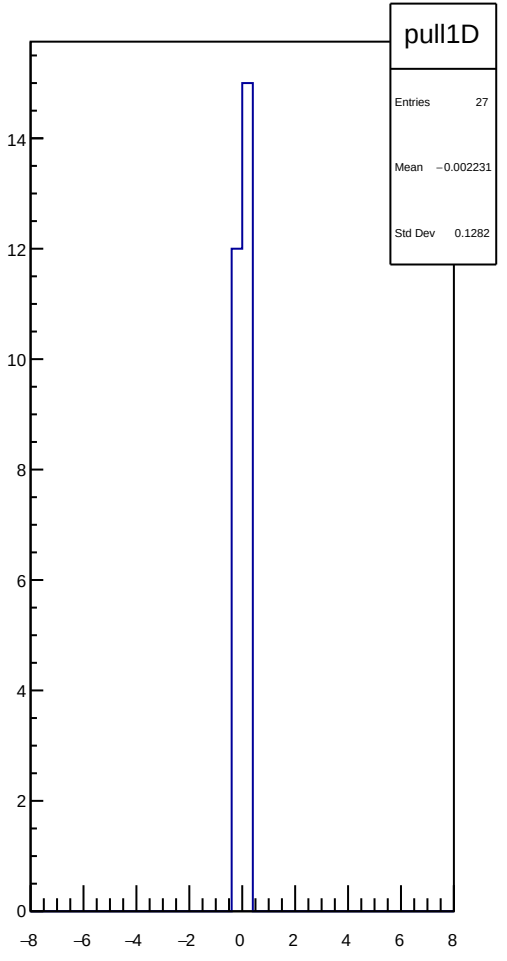

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.62 / 26
p0 1.213 ± 2.046
30
20
10
0
−10
−20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 2532
Std Dev 0
1.5
1
0.5
0
−0.5
−1

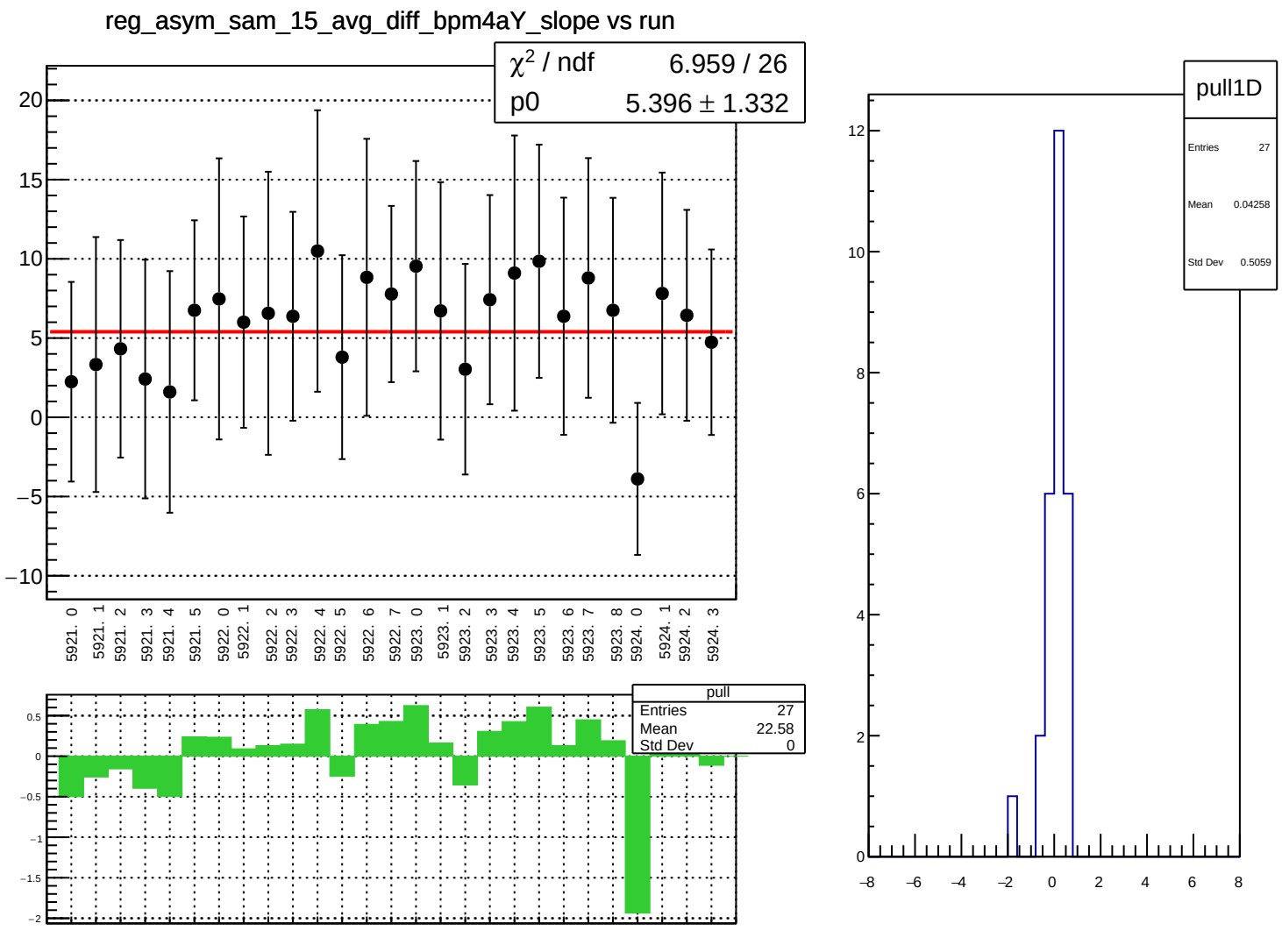

pull1D
Entries 27
Mean −0.000291
Std Dev 0.6559
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

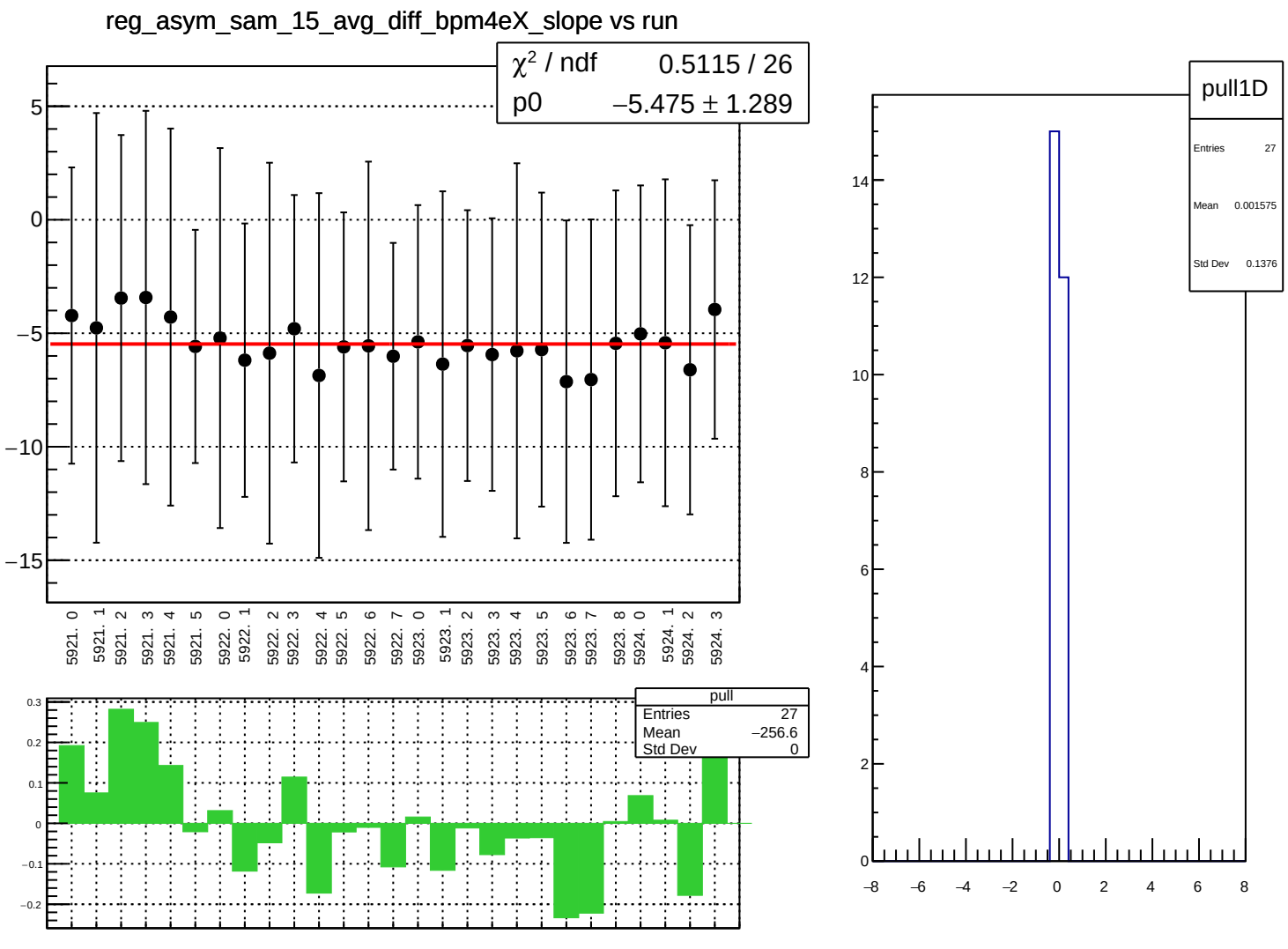

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 31.02 / 26
p0 −18.08 ± 0.1397
−16
−17
−18
−19
−20
−21
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −25.48
Std Dev 0
2
1
0
−1
−2
−3

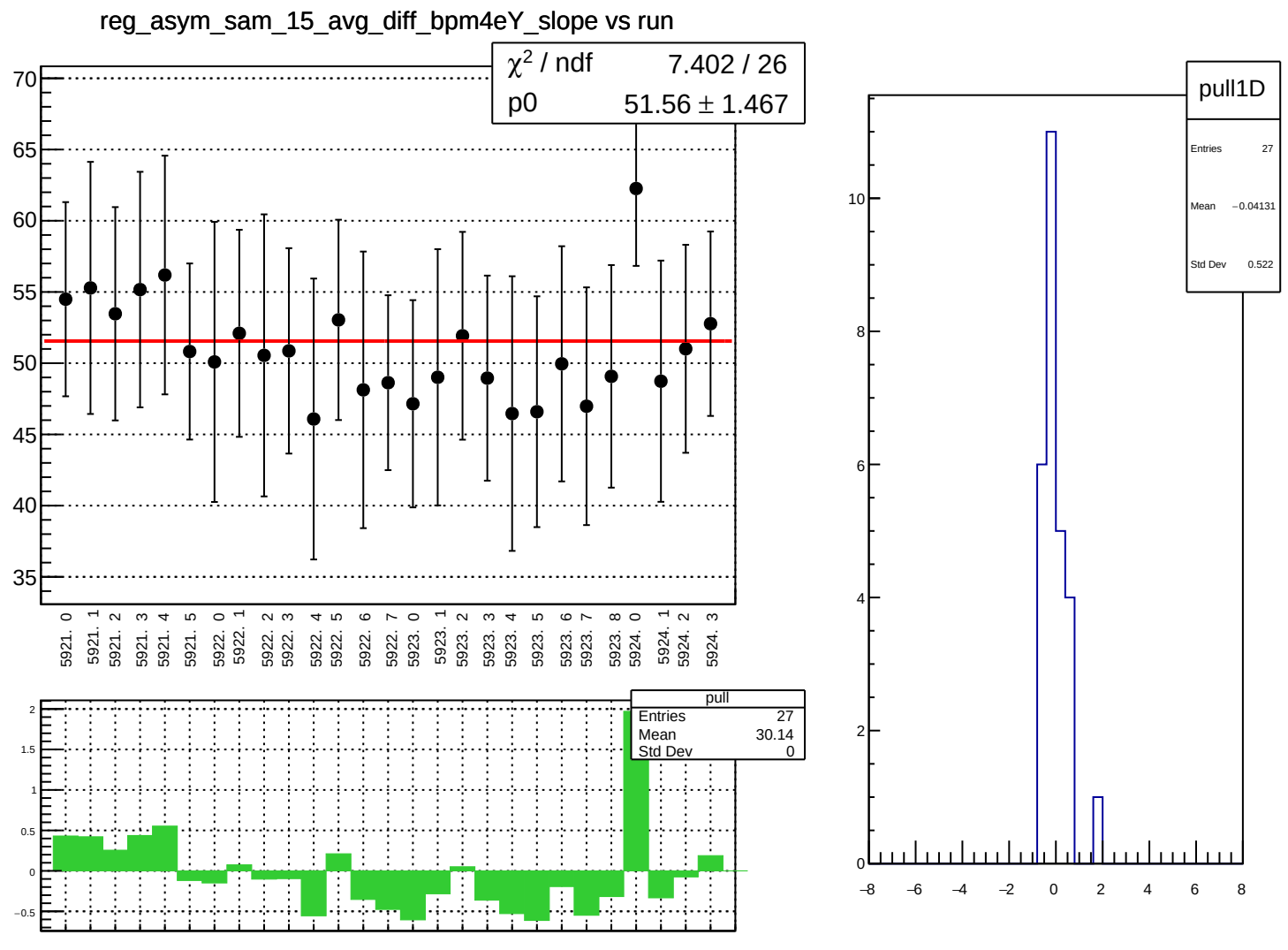

pull1D
Entries 27
Mean 0.01852
Std Dev 1.072
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

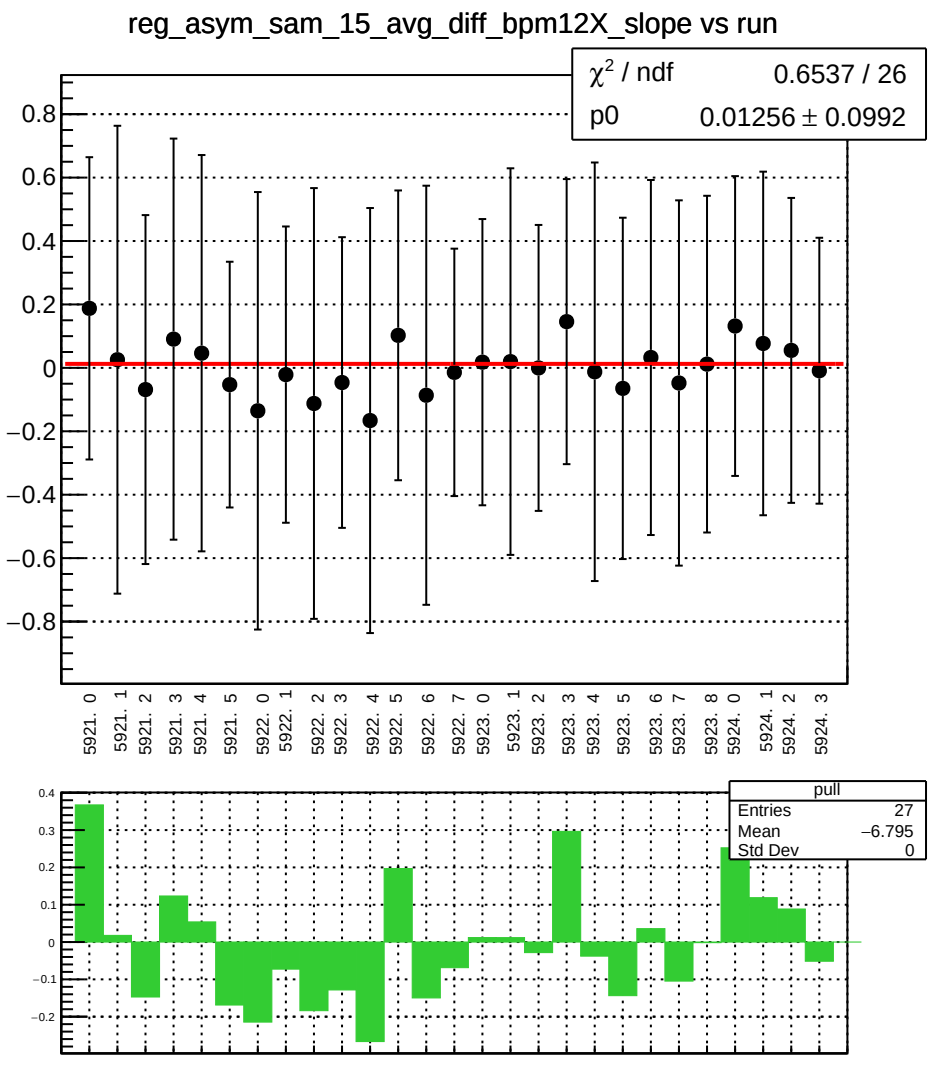

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 0.4436 / 26
p0 −0.2758 ± 0.9018
6
4
2
0
−2
−4
−6
−8
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −191.8
Std Dev 0
0.2
0.1
0
−0.1
−0.2
−0.3

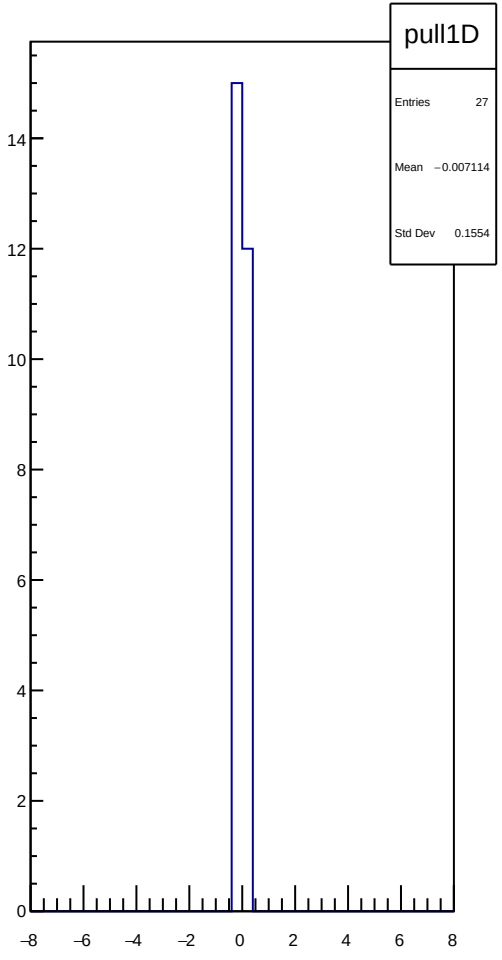

pull1D
Entries 27
Mean −0.002231
Std Dev 0.1282
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

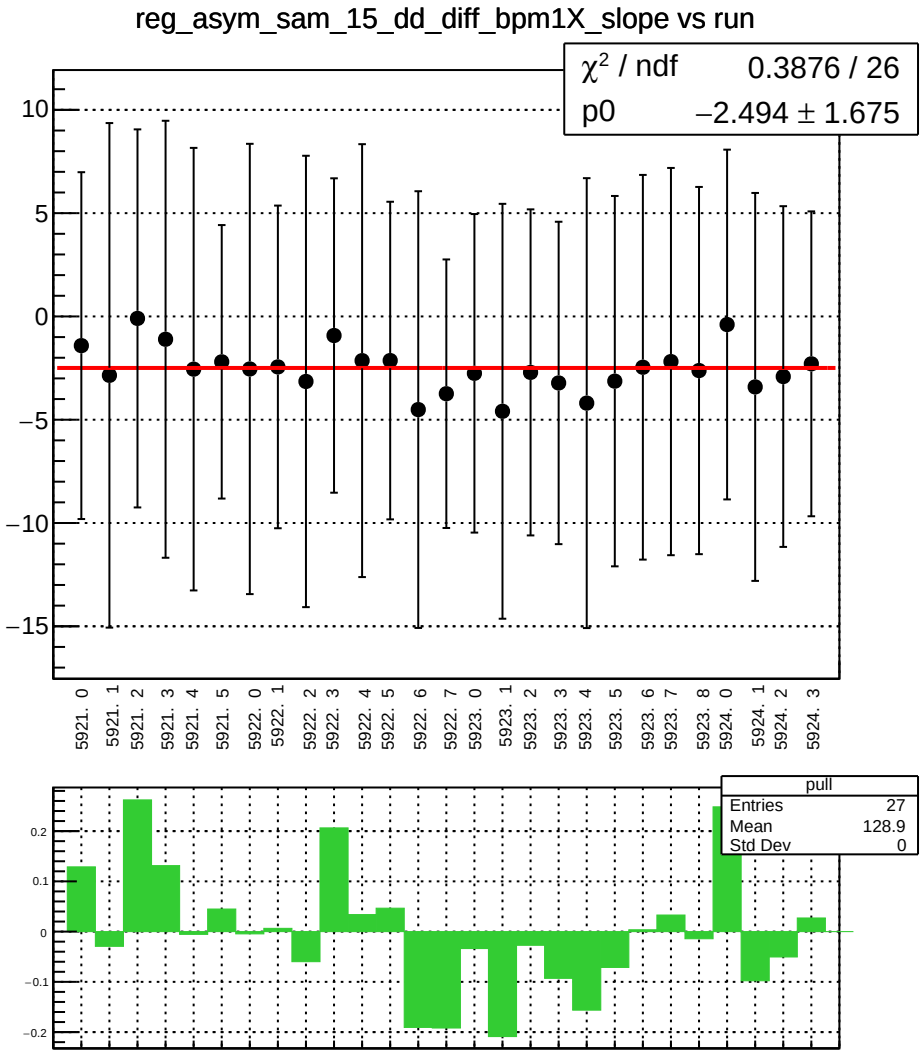

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.959 / 26
p0 5.396 ± 1.332
pull
Entries 27
Mean 22.58
Std Dev 0
pull1D
Entries 27
Mean 0.04258
Std Dev 0.5059

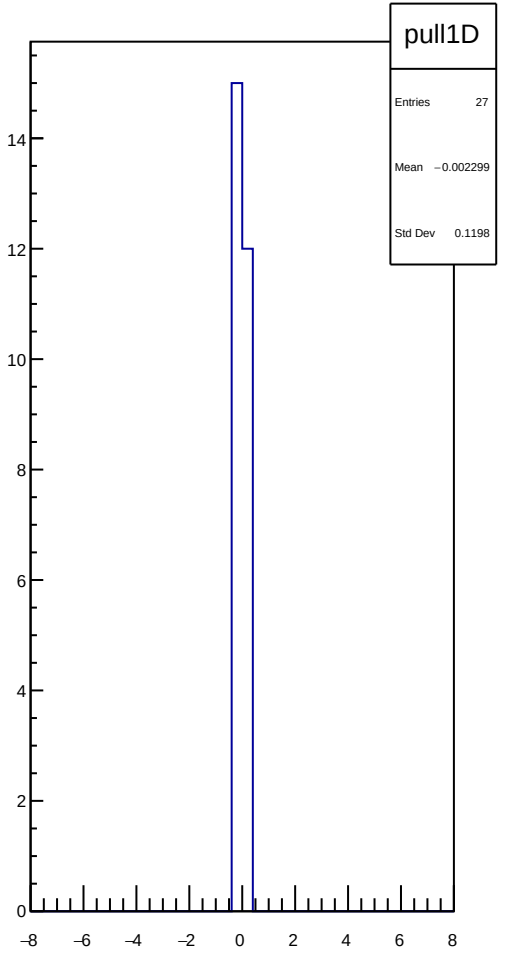

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 0.5115 / 26
p0 −5.475 ± 1.289
5
0
−5
−10
−15
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −256.6
Std Dev 0
0.3
0.2
0.1
0
−0.1
−0.2
pull1D
Entries 27
Mean 0.001575
Std Dev 0.1376
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

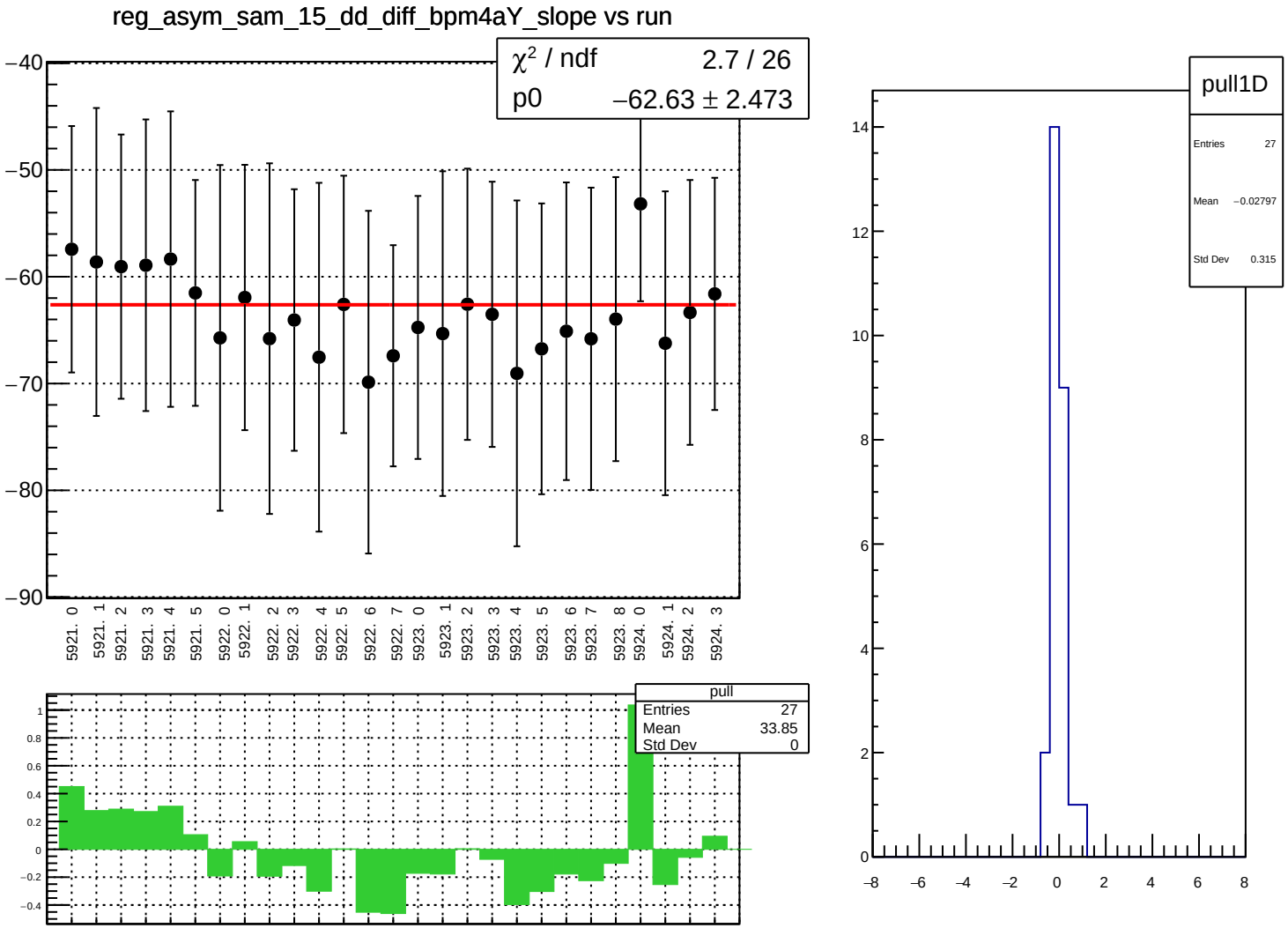

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.402 / 26
p0 51.56 ± 1.467
70
65
60
55
50
45
40
35
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 30.14
Std Dev 0
2
1.5
1
0.5
0
−0.5
pull1D
Entries 27
Mean −0.04131
Std Dev 0.522
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

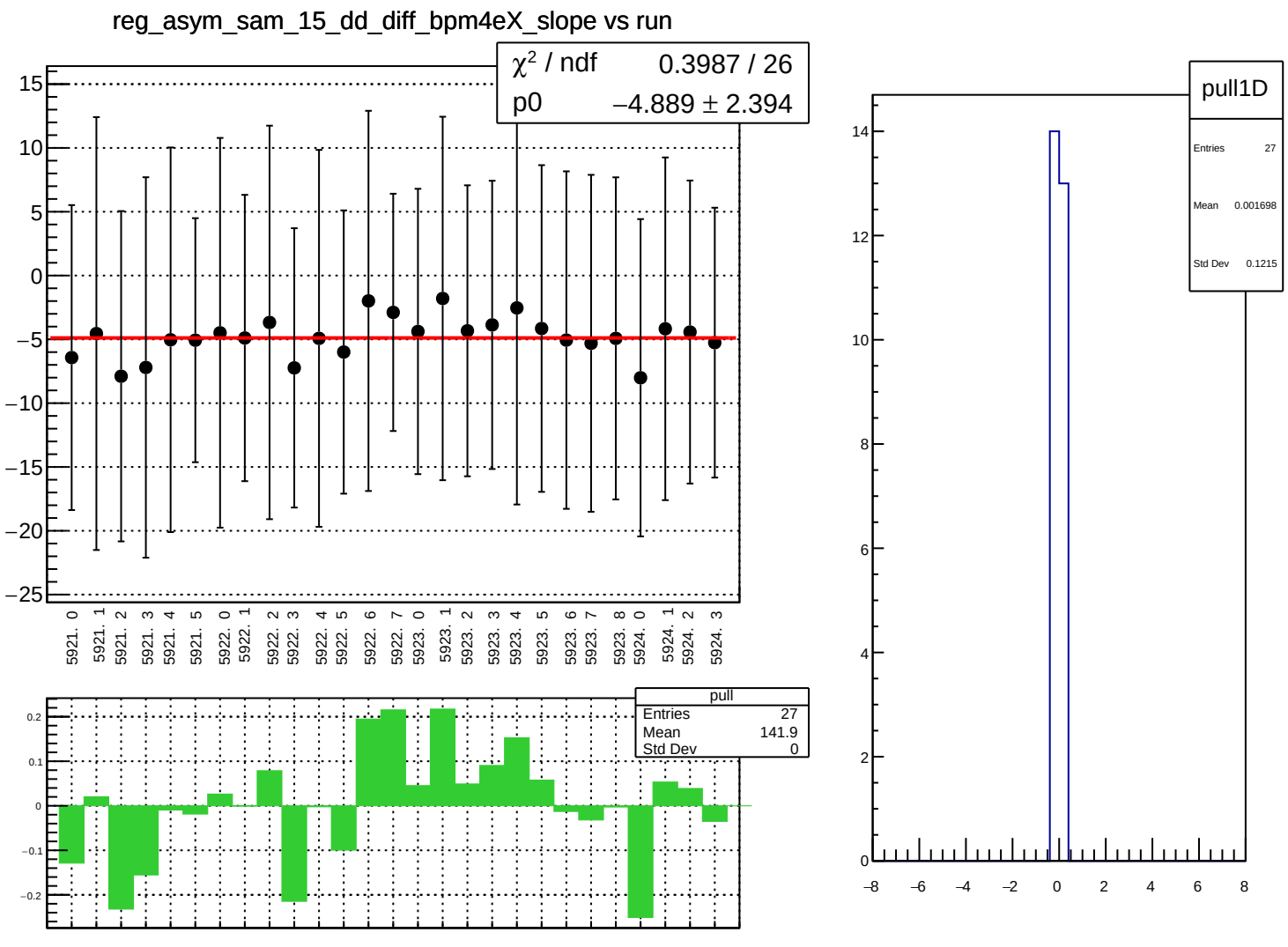

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 0.6537 / 26
p0 0.01256 ± 0.0992
pull
Entries 27
Mean −6.795
Std Dev 0

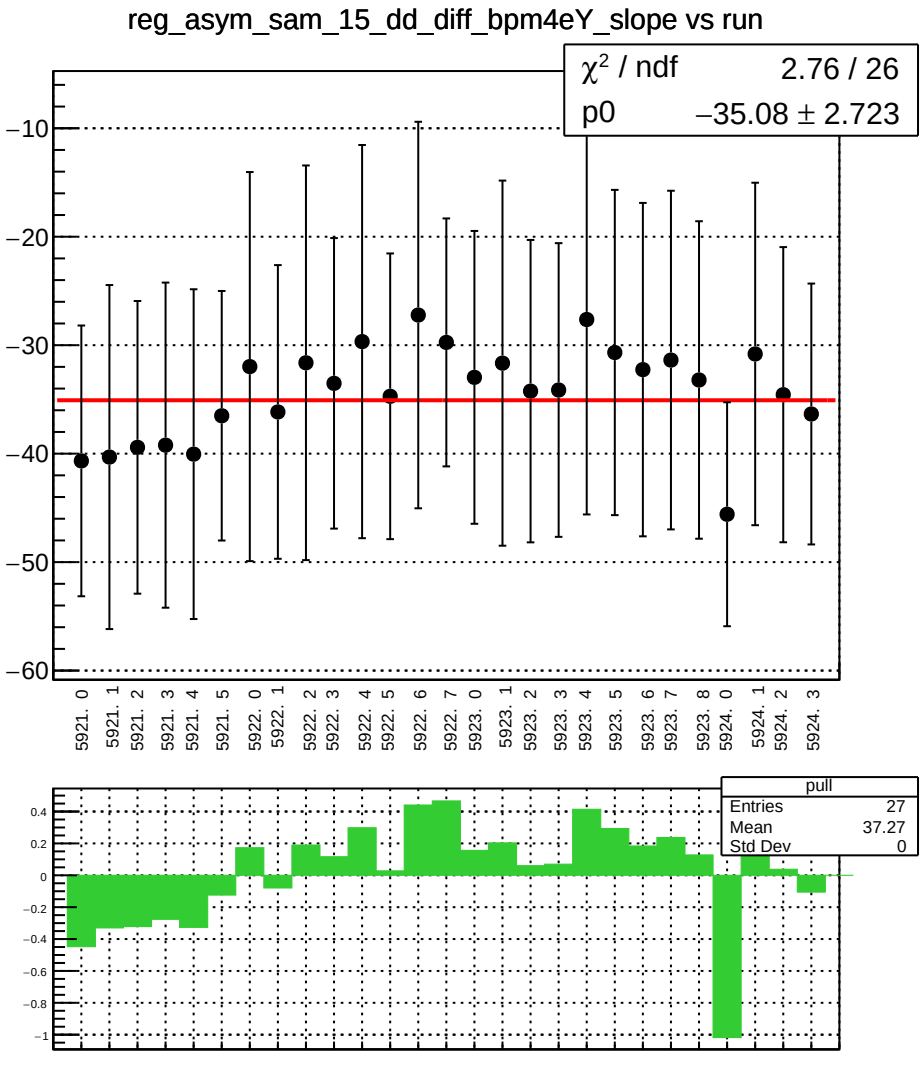

pull1D
Entries 27
Mean −0.007114
Std Dev 0.1554

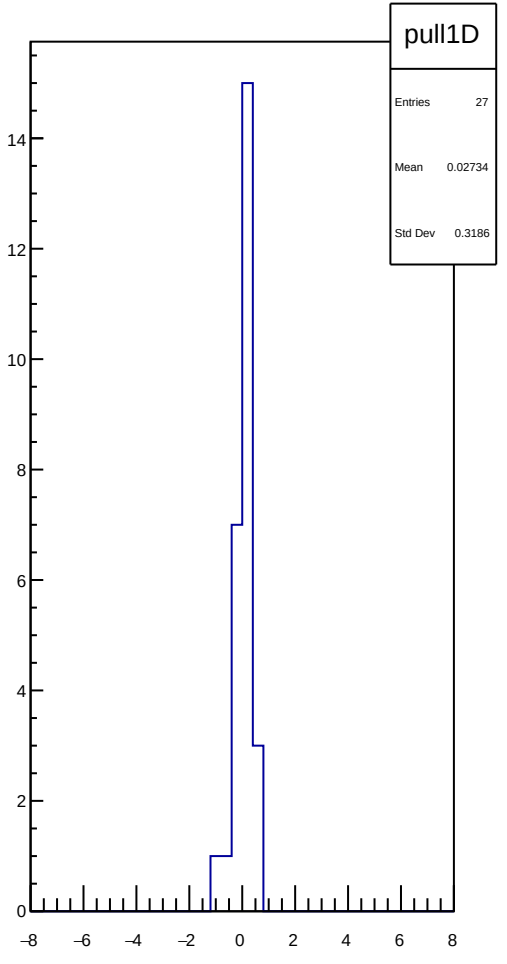

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 0.3876 / 26
p0 −2.494 ± 1.675
10
5
0
−5
−10
−15
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 128.9
Std Dev 0
0.2
0.1
0
−0.1
−0.2

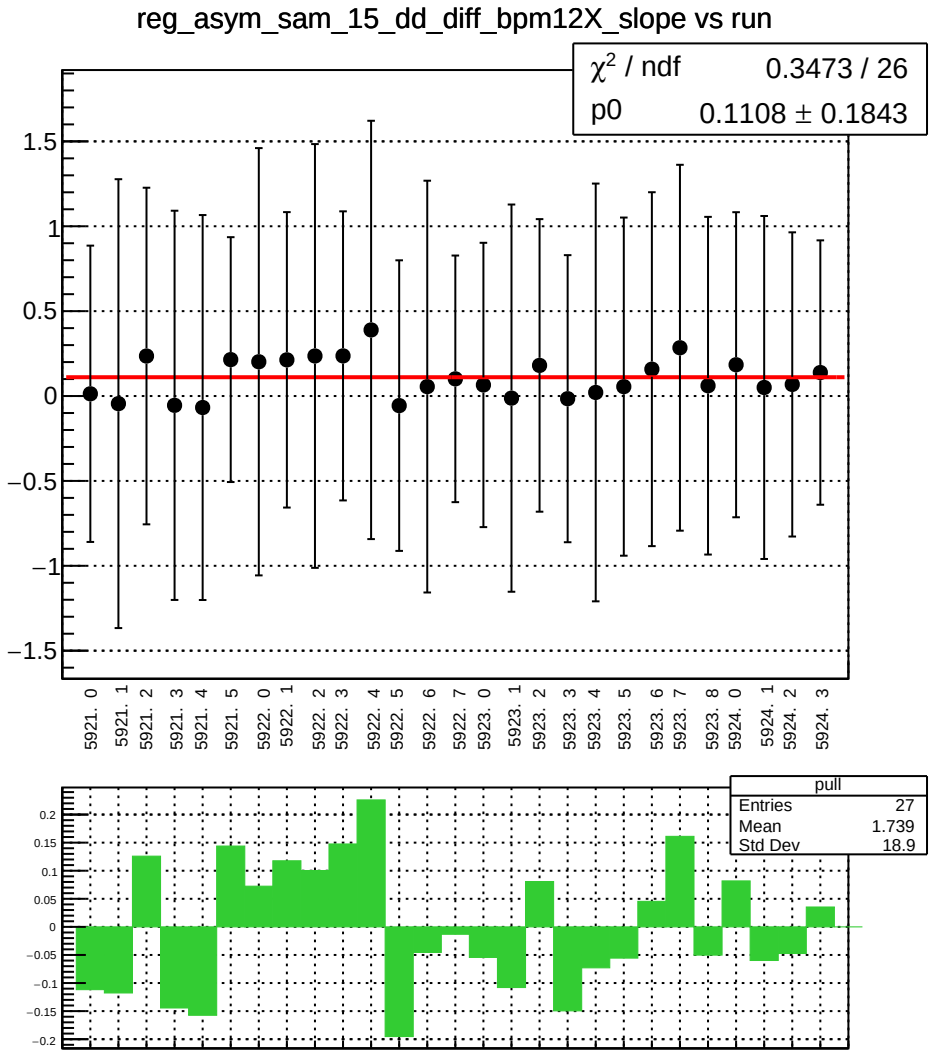

pull1D
Entries 27
Mean −0.002299
Std Dev 0.1198
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

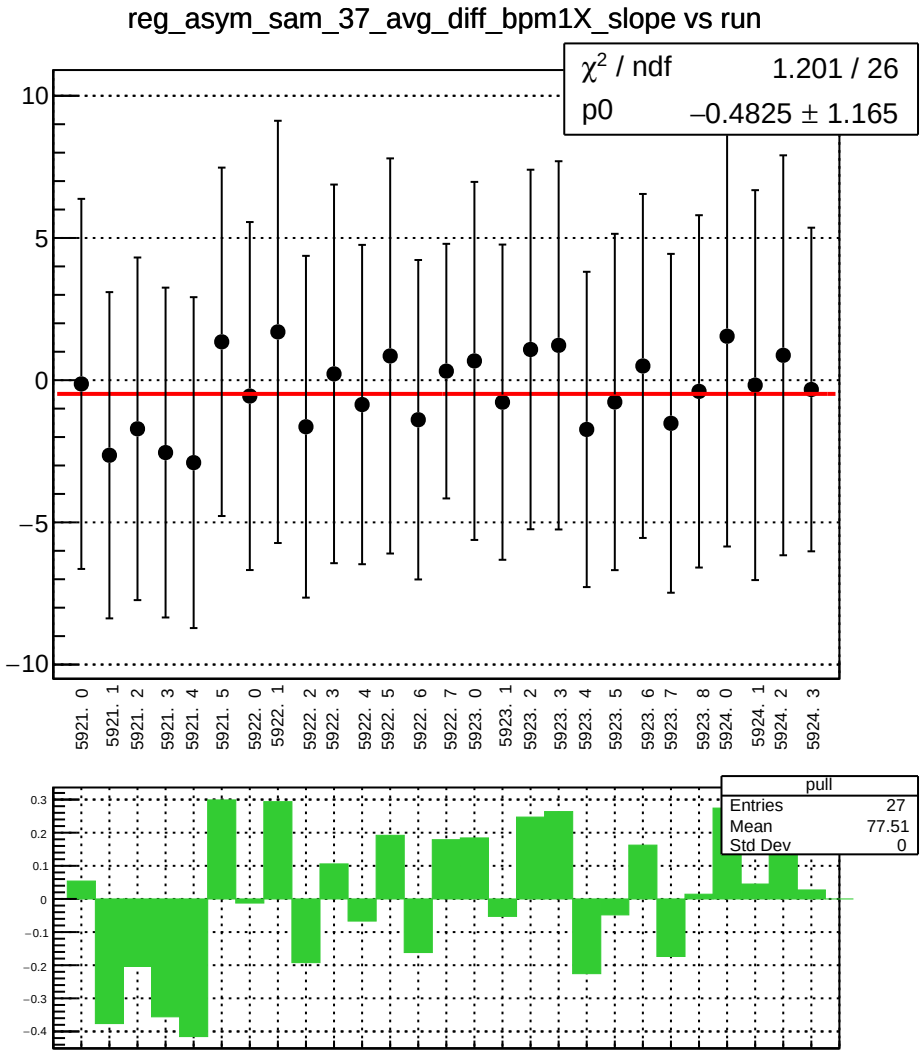

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.7 / 26
p0 −62.63 ± 2.473
−40
−50
−60
−70
−80
−90
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 33.85
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 27
Mean −0.02797
Std Dev 0.315
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

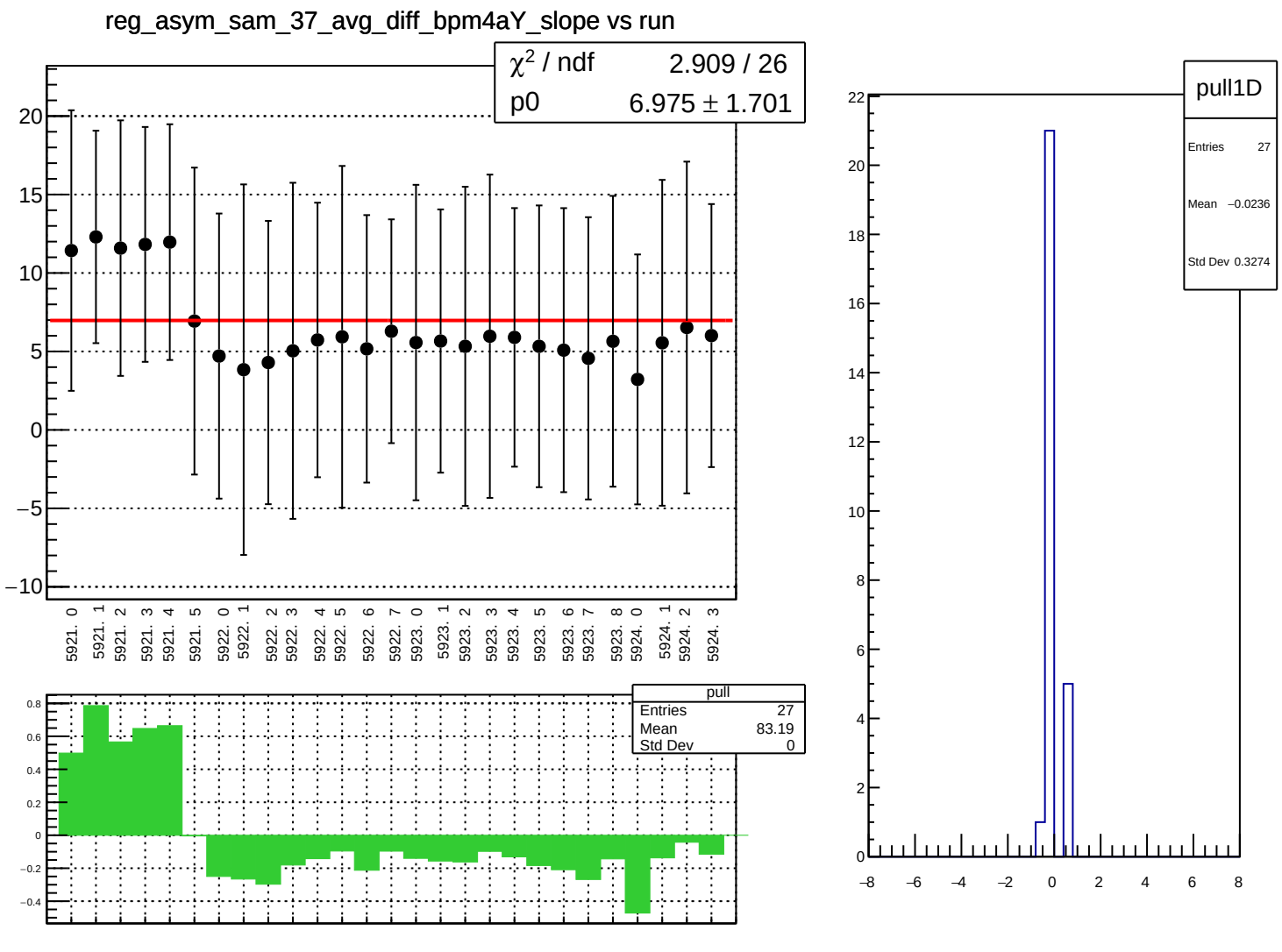

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.3987 / 26
p0 −4.889 ± 2.394
15
10
5
0
−5
−10
−15
−20
−25
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 141.9
Std Dev 0
0.2
0.1
0
−0.1
−0.2
pull1D
Entries 27
Mean 0.001698
Std Dev 0.1215
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

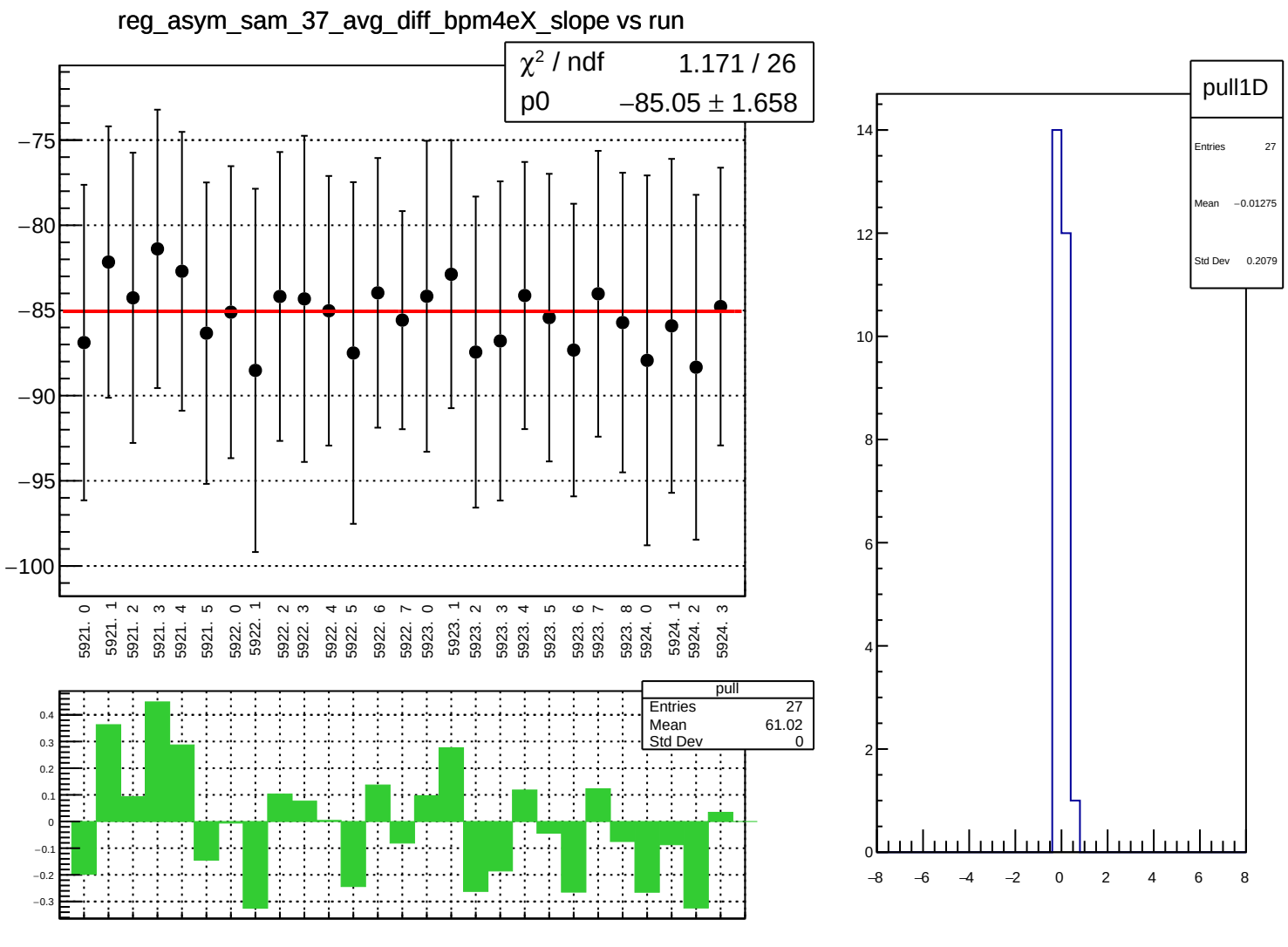

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.76 / 26
p0 −35.08 ± 2.723
−10
−20
−30
−40
−50
−60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 37.27
Std Dev 0
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

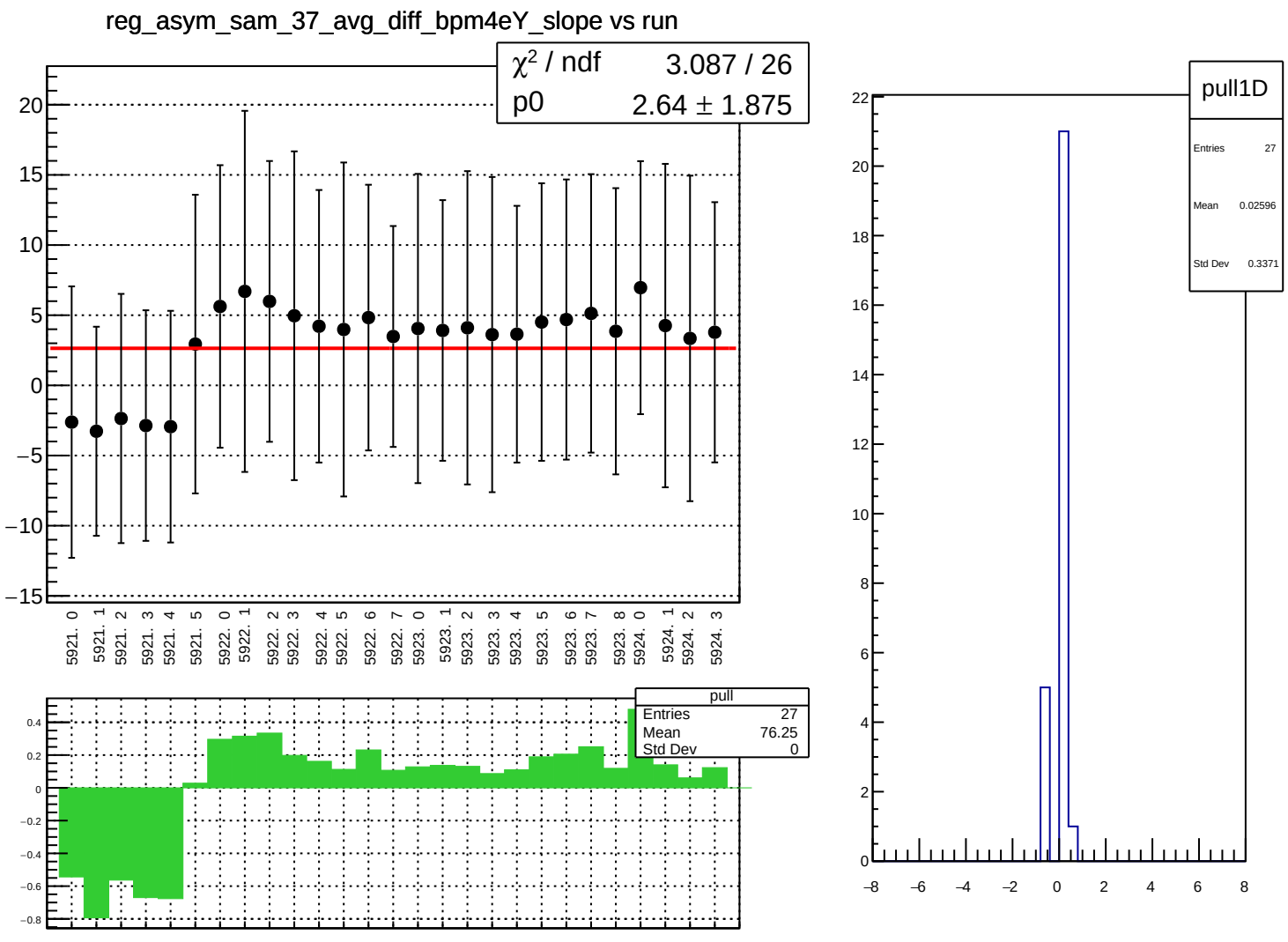

pull1D
Entries 27
Mean 0.02734
Std Dev 0.3186
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

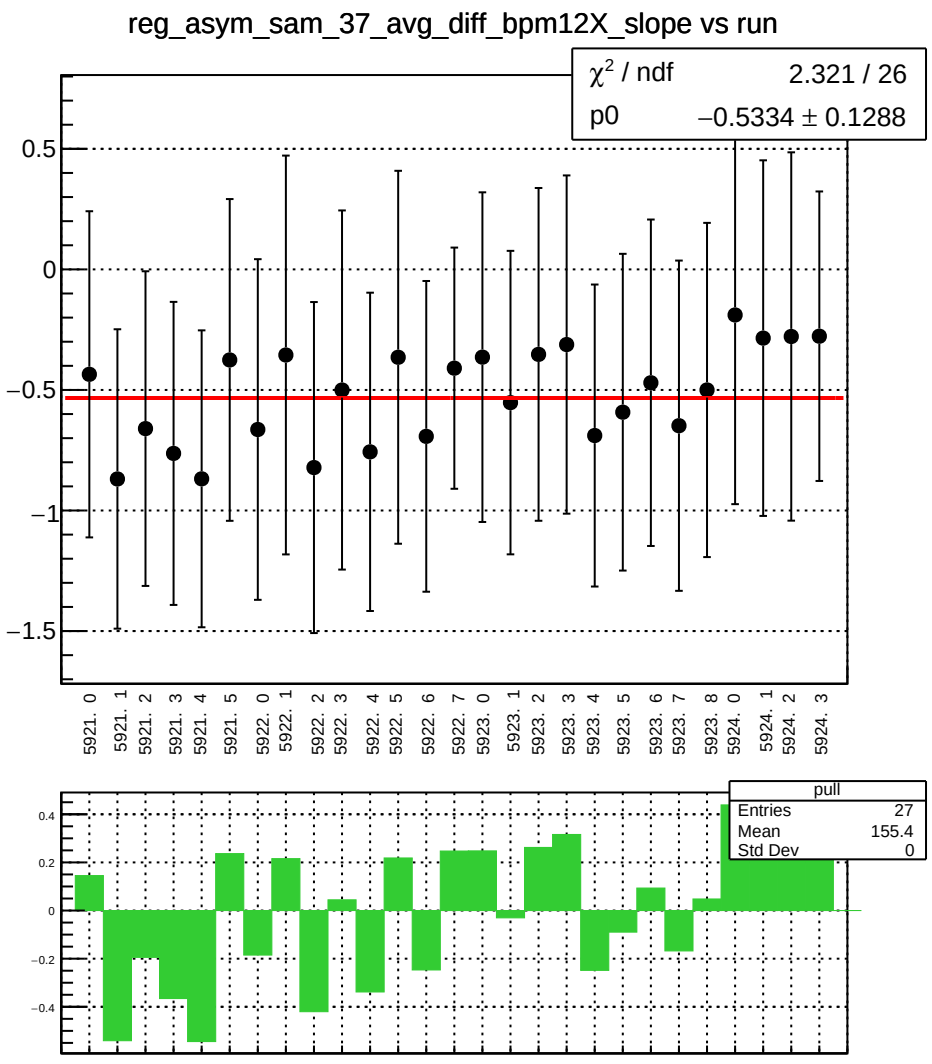

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 0.3473 / 26
p0 0.1108 ± 0.1843
1.5
1
0.5
0
−0.5
−1
−1.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 1.739
Std Dev 18.9
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
pull1D
Entries 27
Mean −0.001653
Std Dev 0.1134
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

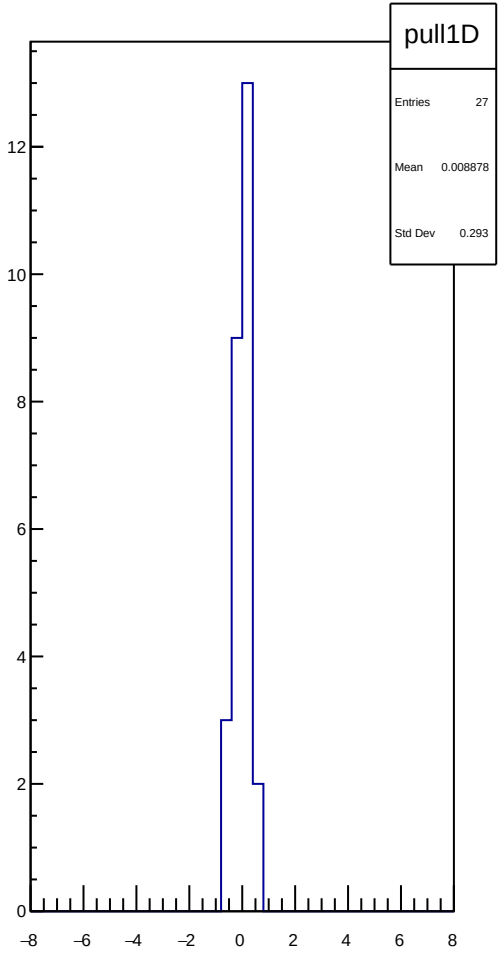

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 1.201 / 26
p0 −0.4825 ± 1.165
10
5
0
−5
−10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 77.51
Std Dev 0
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
pull1D
Entries 27
Mean 0.009281
Std Dev 0.2107
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

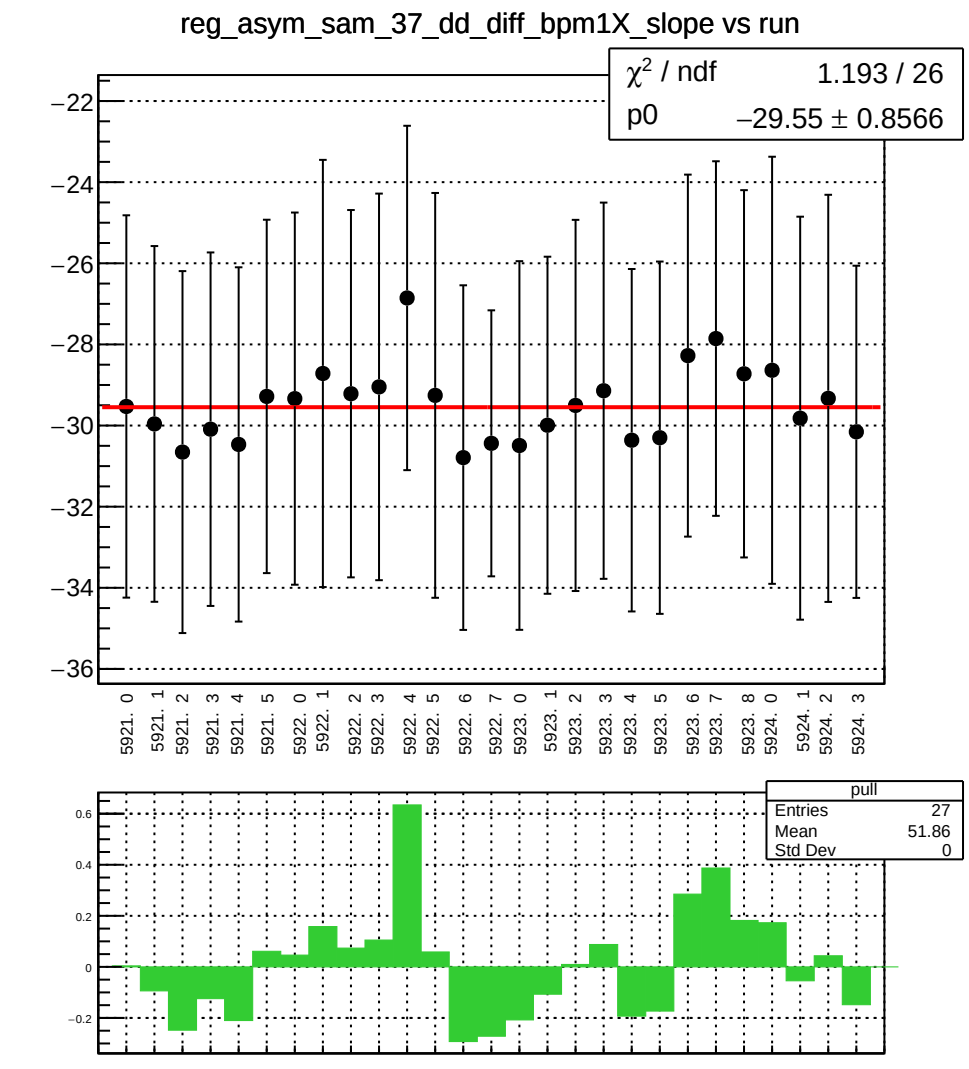

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.909 / 26
p0 6.975 ± 1.701
pull
Entries 27
Mean 83.19
Std Dev 0
pull1D
Entries 27
Mean −0.0236
Std Dev 0.3274

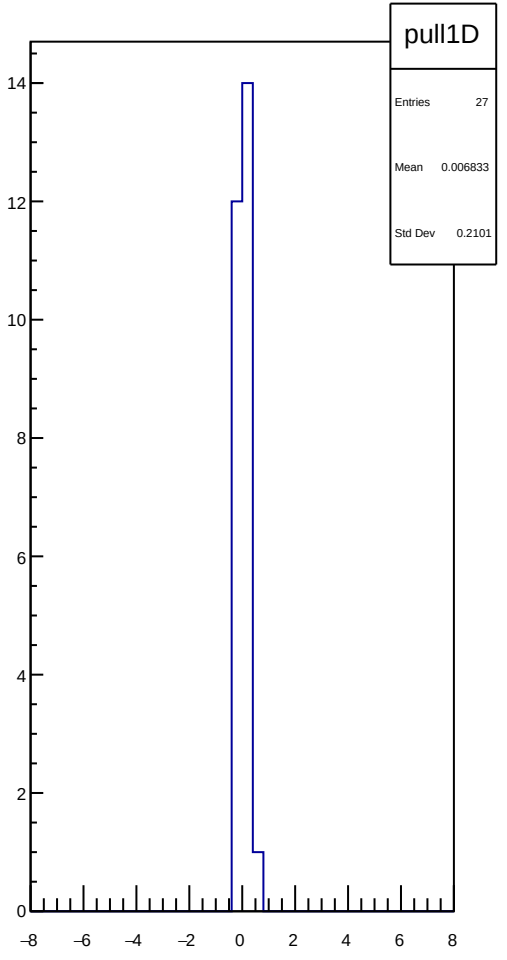

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.171 / 26
p0 −85.05 ± 1.658
−75
−80
−85
−90
−95
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 61.02
Std Dev 0
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 27
Mean −0.01275
Std Dev 0.2079
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

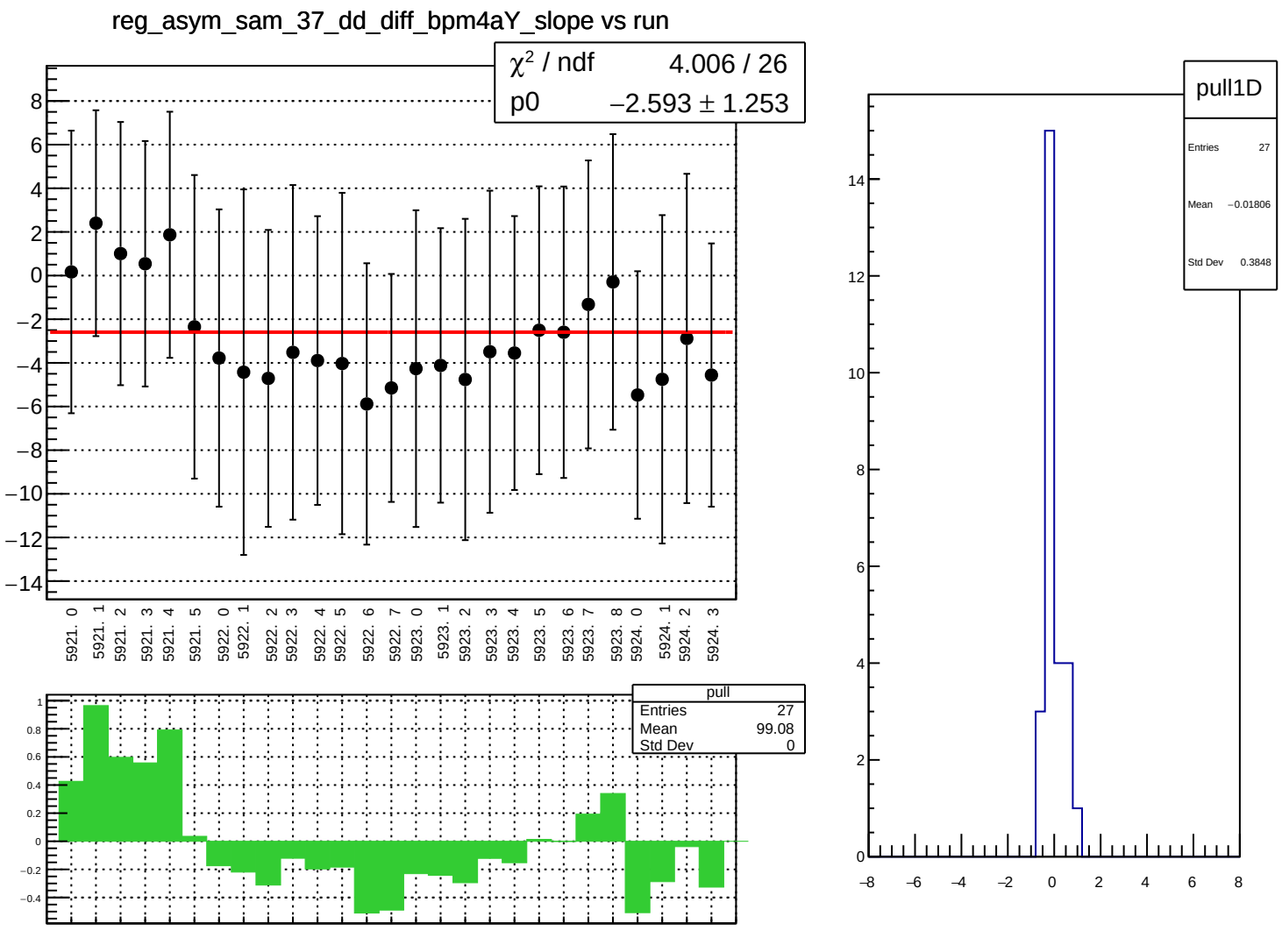

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.087 / 26
p0 2.64 ± 1.875
pull
Entries 27
Mean 76.25
Std Dev 0
pull1D
Entries 27
Mean 0.02596
Std Dev 0.3371

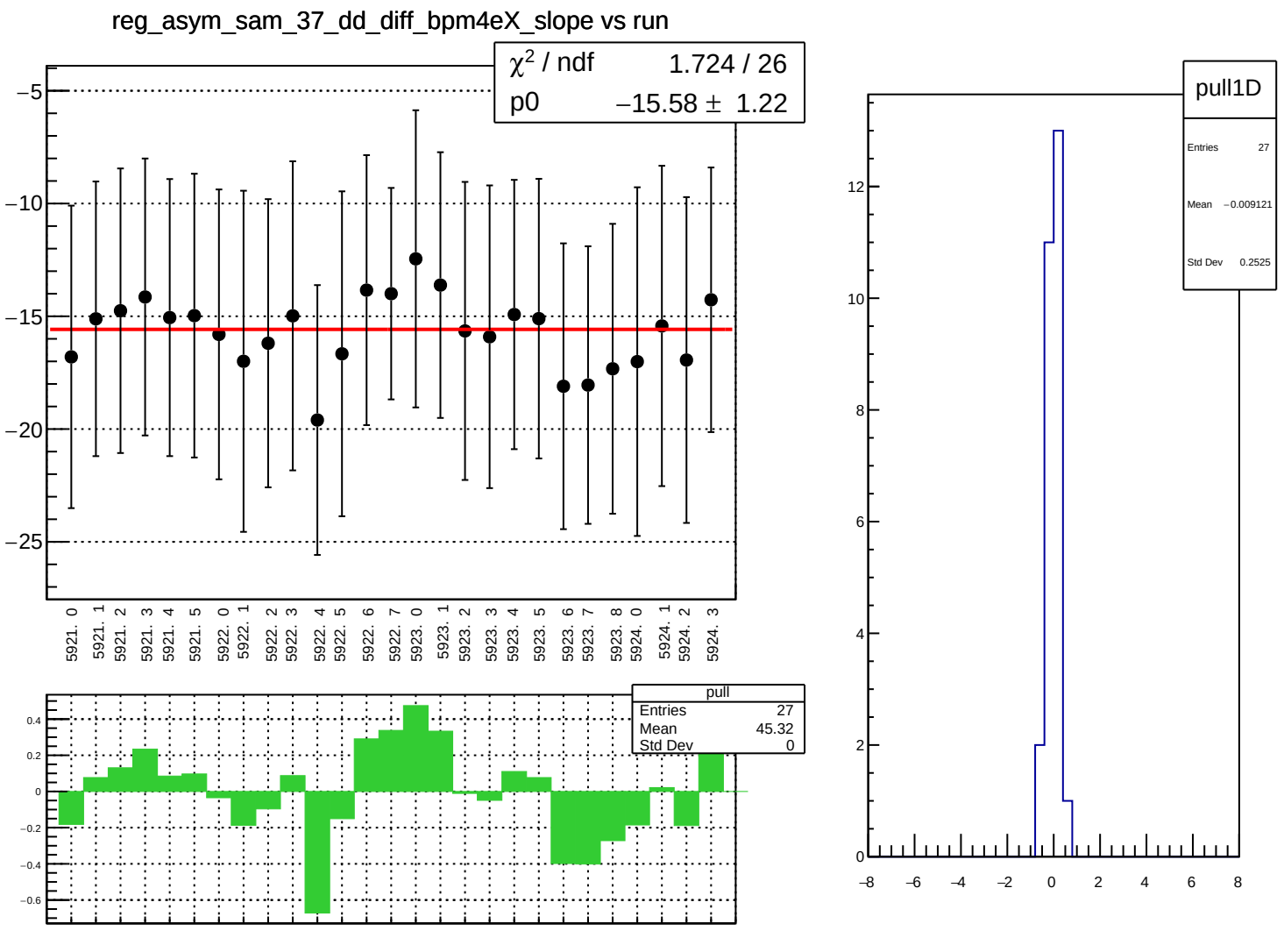

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 2.321 / 26
p0 −0.5334 ± 0.1288
0.5
0
−0.5
−1
−1.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 155.4
Std Dev 0
0.4
0.2
0
−0.2
−0.4

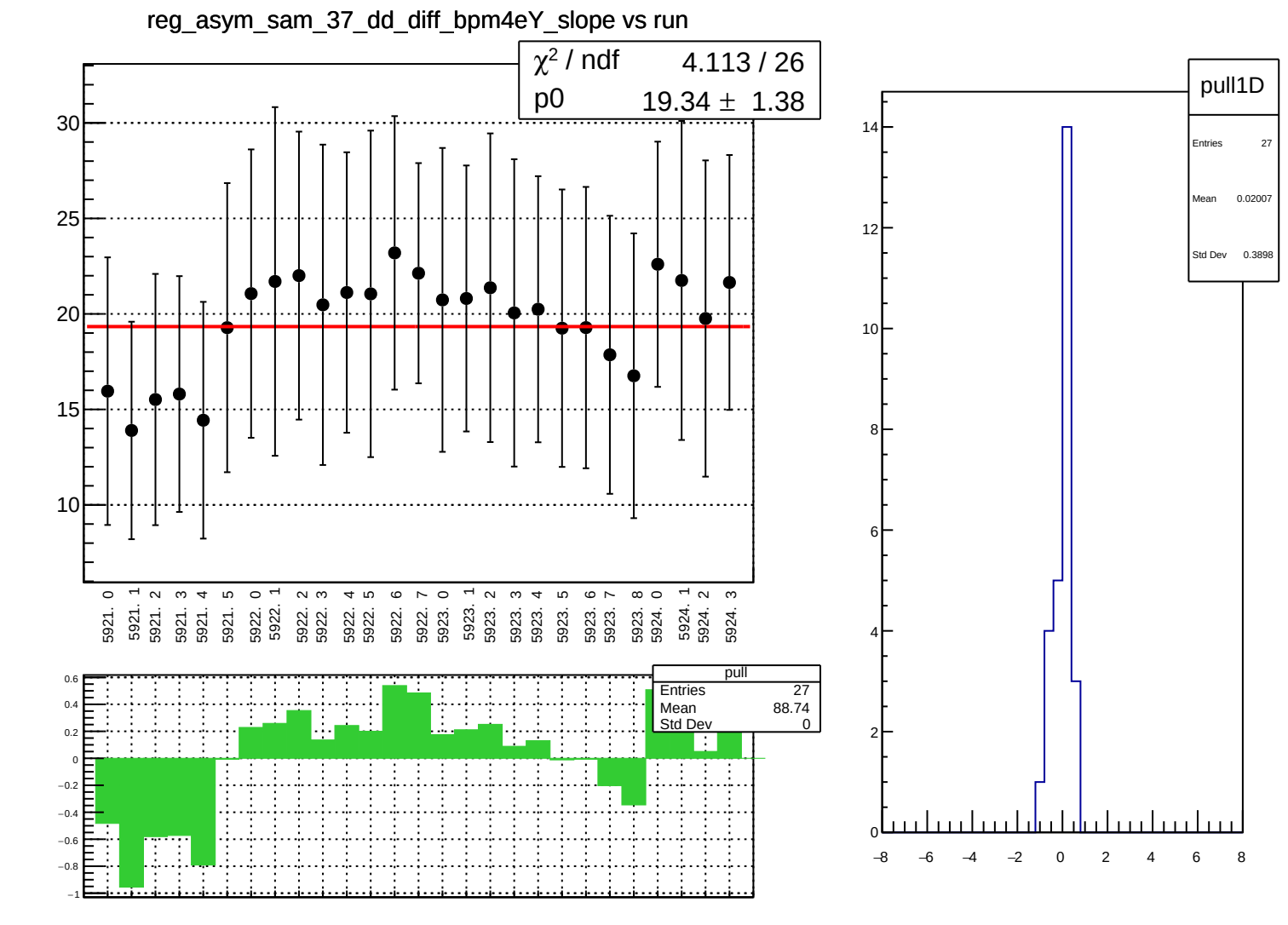

pull1D
Entries 27
Mean 0.008878
Std Dev 0.293
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

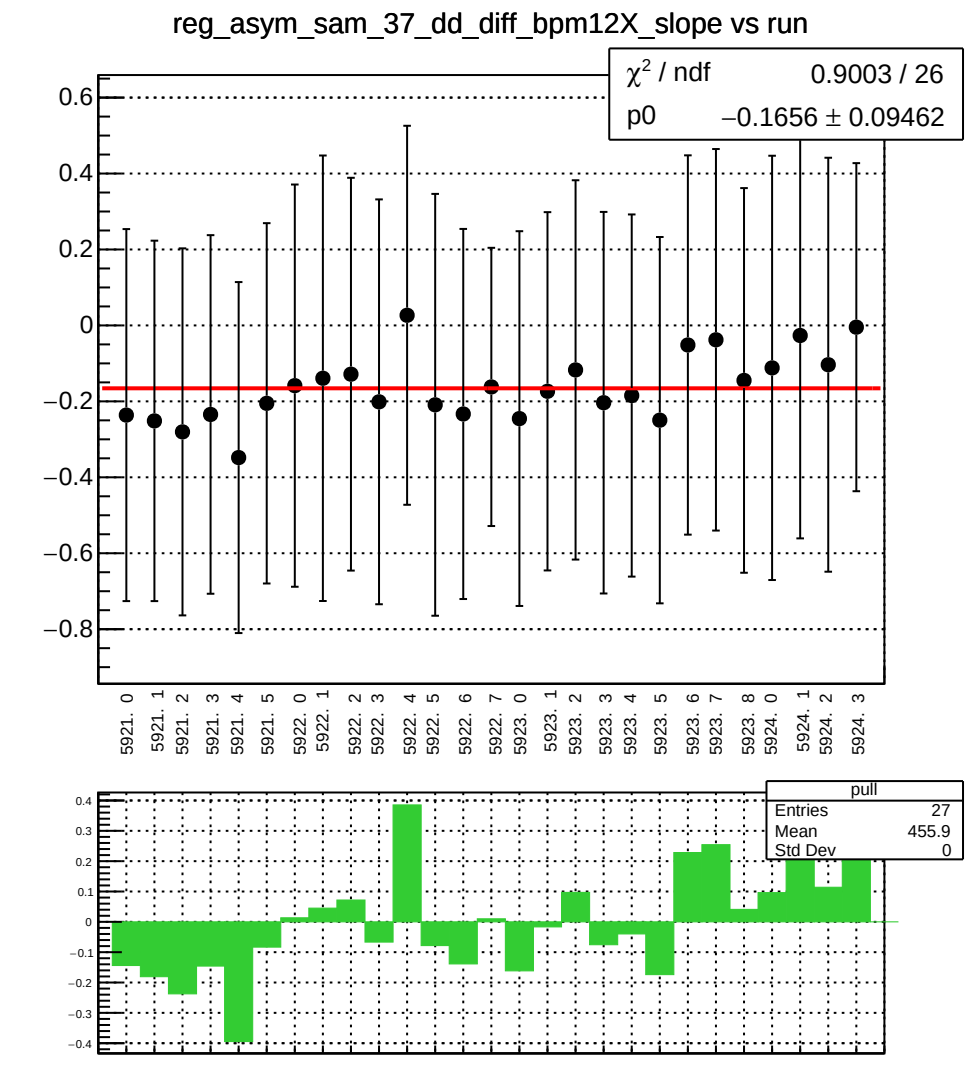

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 1.193 / 26
p0 −29.55 ± 0.8566
−22
−24
−26
−28
−30
−32
−34
−36
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 51.86
Std Dev 0
0.6
0.4
0.2
0
−0.2

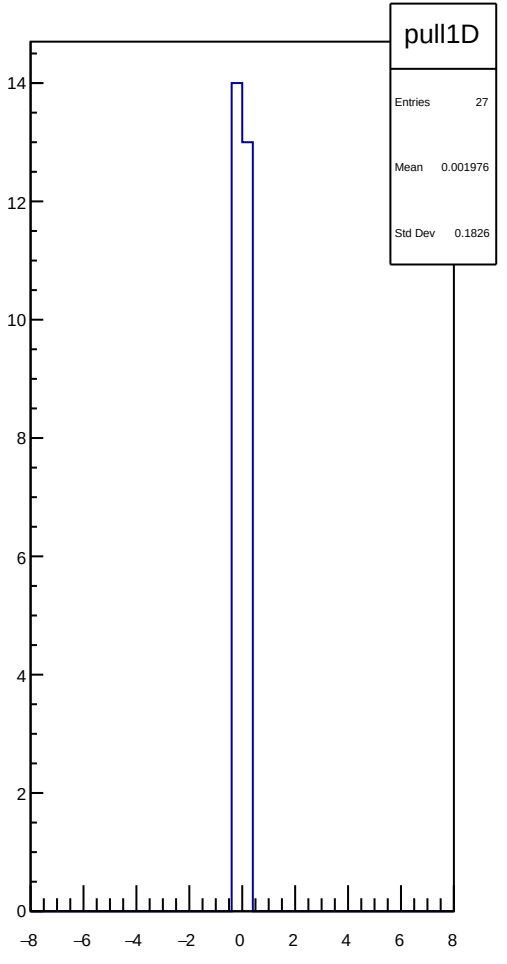

pull1D
Entries 27
Mean 0.006833
Std Dev 0.2101
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

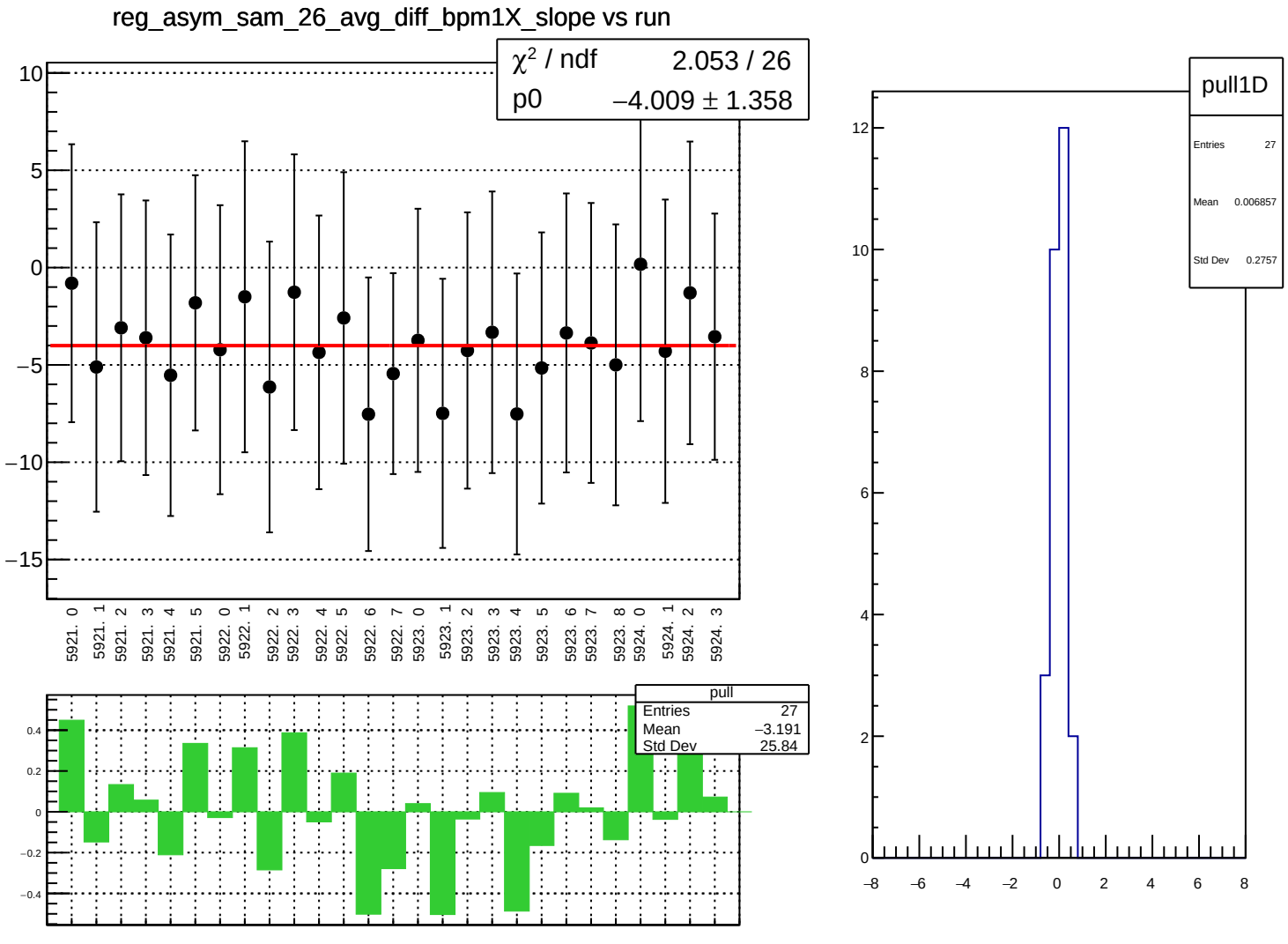

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.006 / 26
p0 −2.593 ± 1.253
pull
Entries 27
Mean 99.08
Std Dev 0
pull1D
Entries 27
Mean −0.01806
Std Dev 0.3848

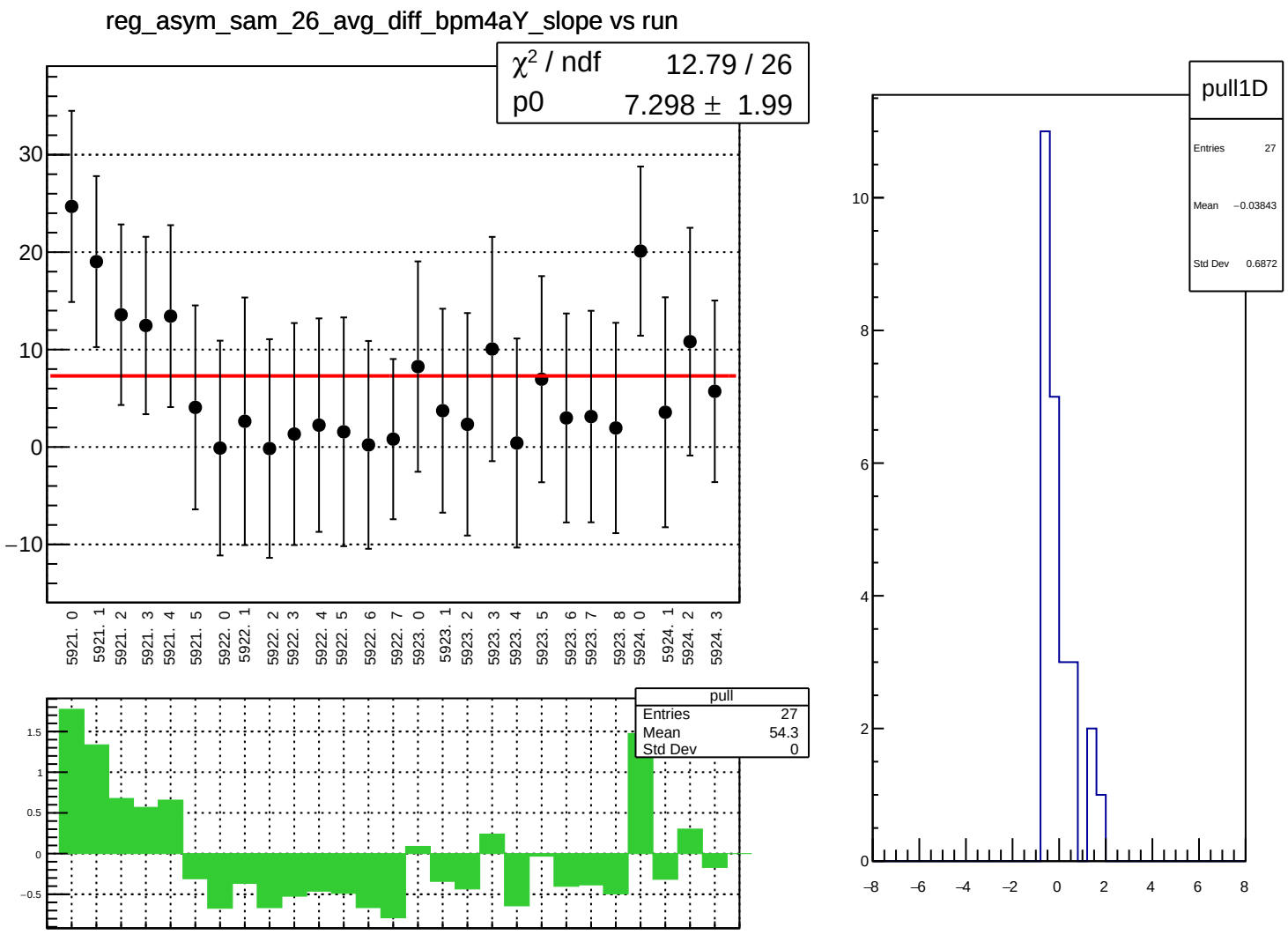

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.724 / 26
p0 −15.58 ± 1.22
−5
−10
−15
−20
−25
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 45.32
Std Dev 0
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 27
Mean −0.009121
Std Dev 0.2525
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

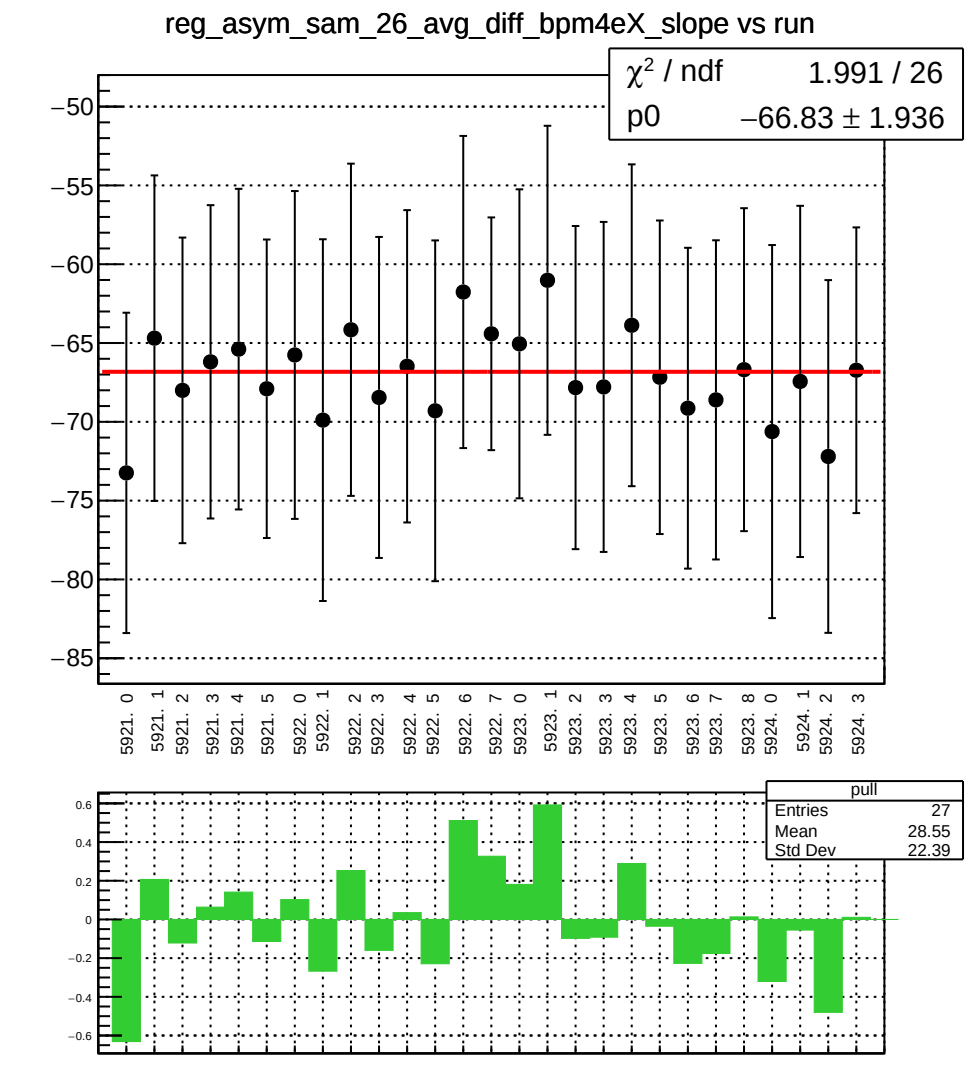

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.113 / 26
p0 19.34 ± 1.38
pull
Entries 27
Mean 88.74
Std Dev 0
pull1D
Entries 27
Mean 0.02007
Std Dev 0.3898

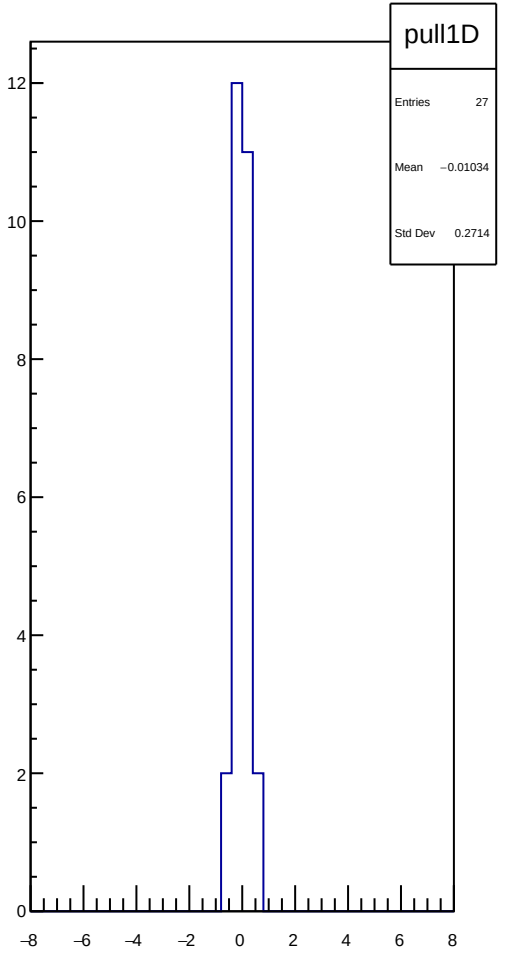

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 0.9003 / 26
p0 −0.1656 ± 0.09462
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 455.9
Std Dev 0
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4

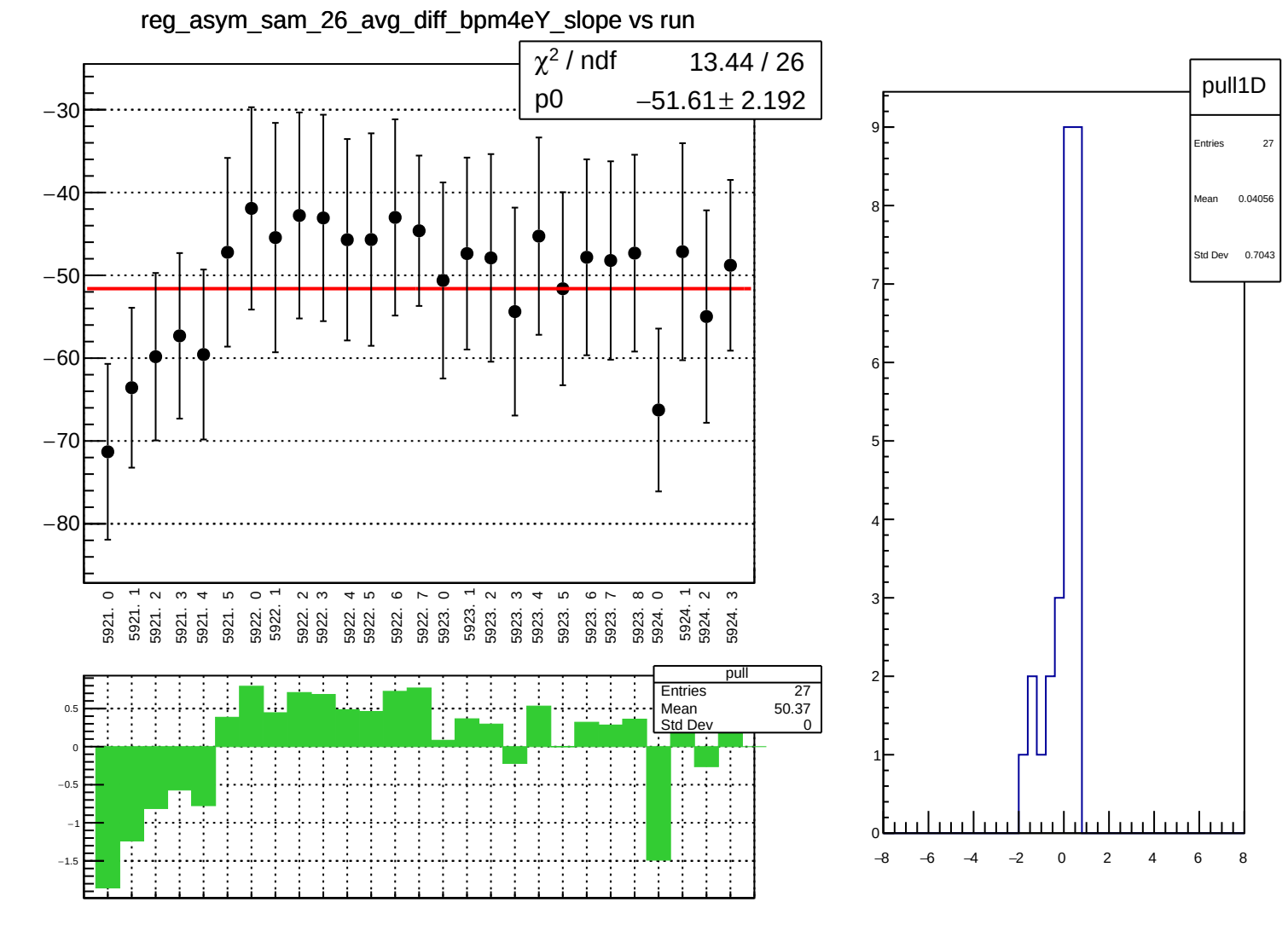

pull1D
Entries 27
Mean 0.001976
Std Dev 0.1826
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

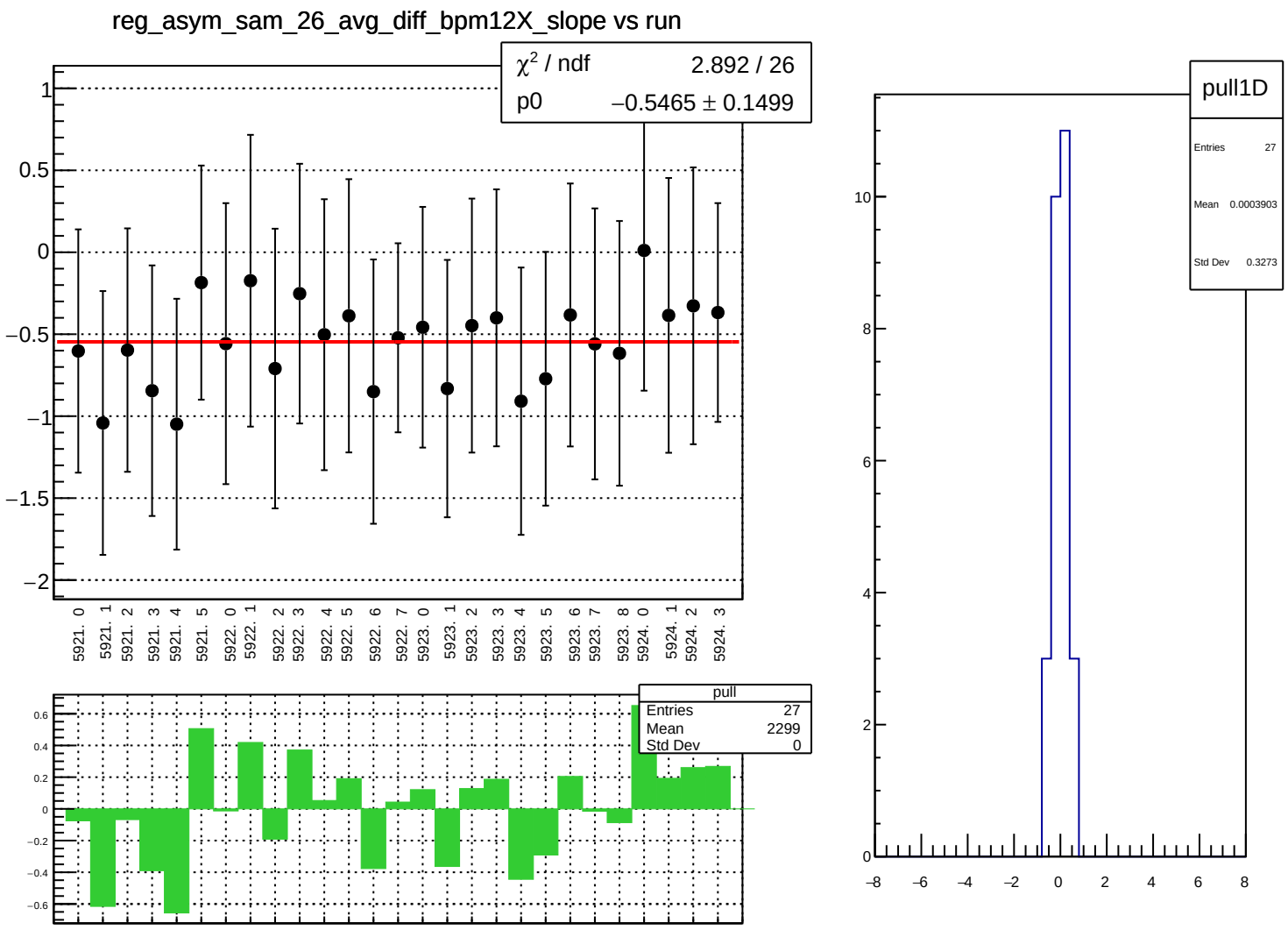

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 2.053 / 26
p0 −4.009 ± 1.358
10
5
0
−5
−10
−15
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −3.191
Std Dev 25.84
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 27
Mean 0.006857
Std Dev 0.2757
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

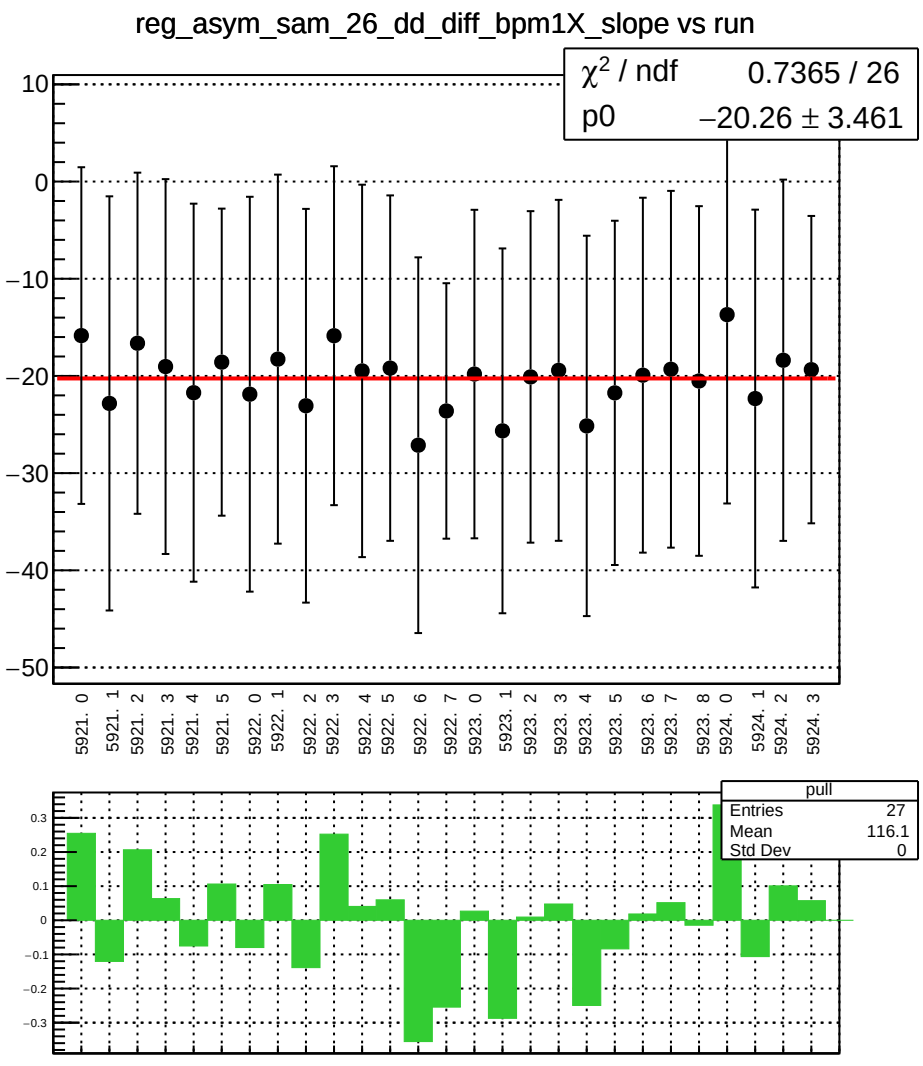

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.79 / 26
p0 7.298 ± 1.99
30
20
10
0
−10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 54.3
Std Dev 0
1.5
1
0.5
0
−0.5
pull1D
Entries 27
Mean −0.03843
Std Dev 0.6872
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

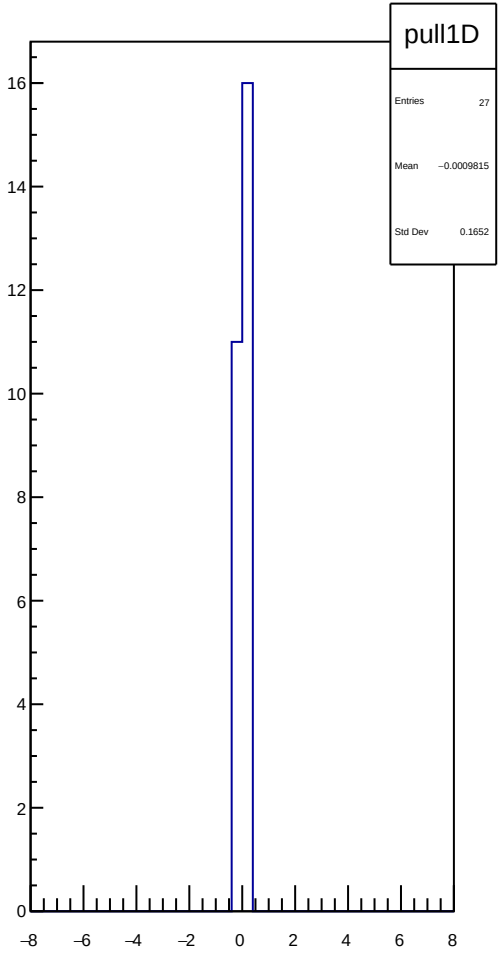

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.991 / 26
p0 −66.83 ± 1.936
−50
−55
−60
−65
−70
−75
−80
−85
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 28.55
Std Dev 22.39
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

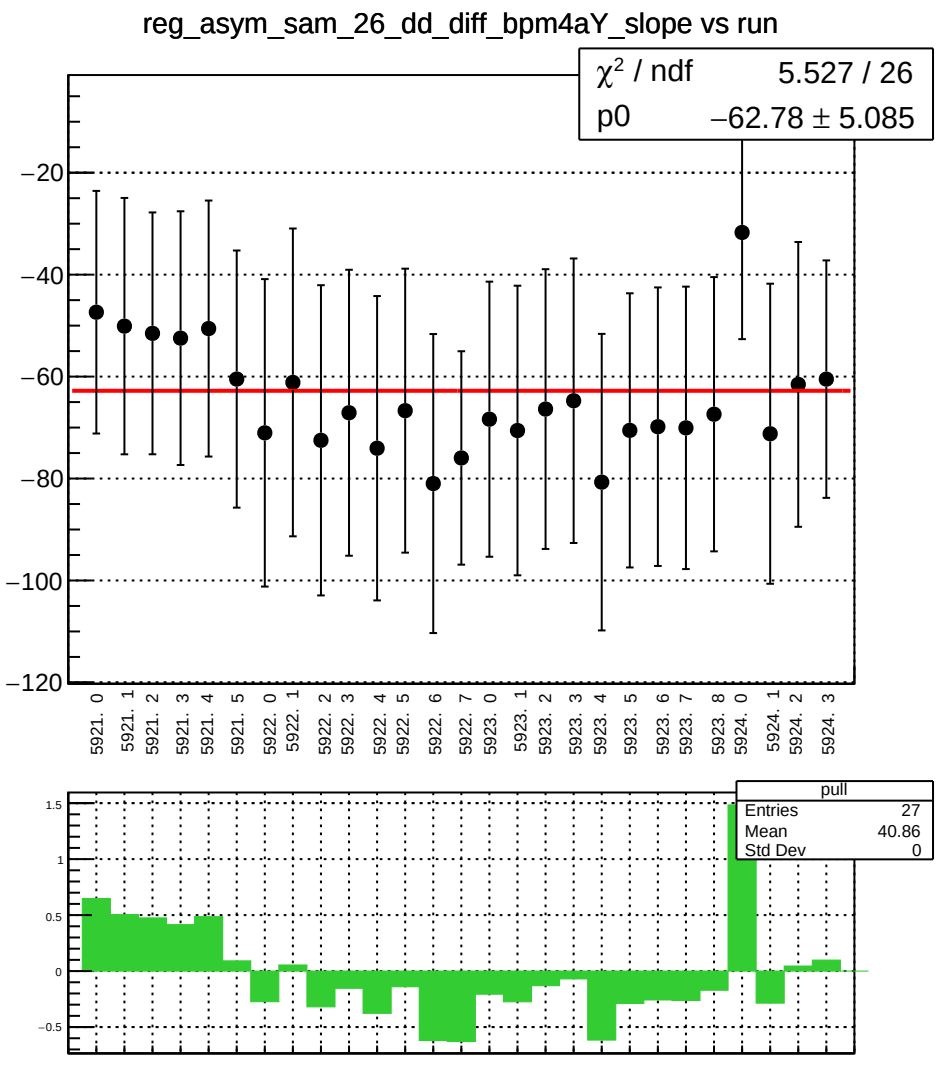

pull1D
Entries 27
Mean −0.01034
Std Dev 0.2714
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

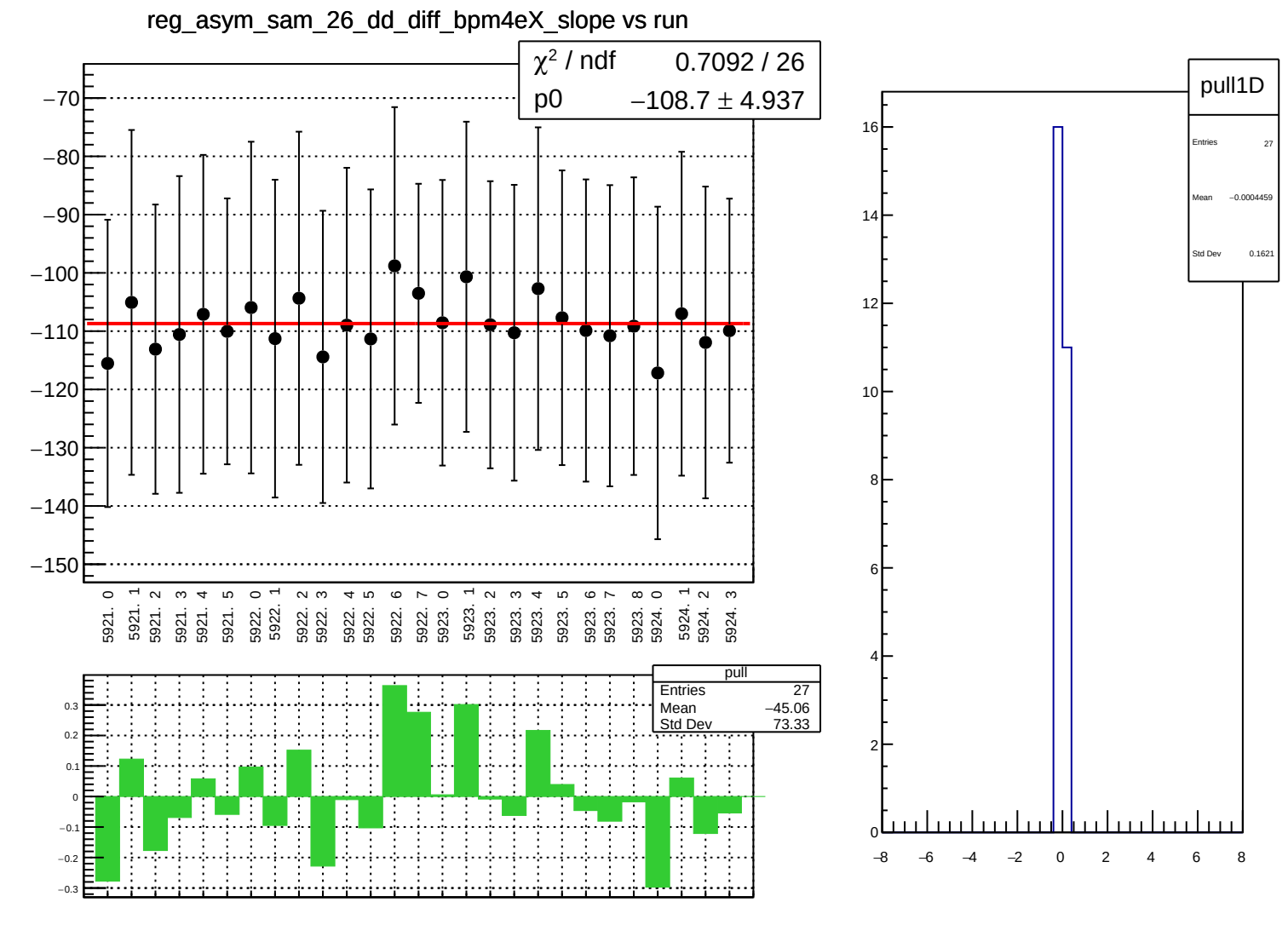

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.44 / 26
p0 −51.61± 2.192
−30
−40
−50
−60
−70
−80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 50.37
Std Dev 0
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.04056
Std Dev 0.7043
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 2.892 / 26
p0 −0.5465 ± 0.1499
pull
Entries 27
Mean 2299
Std Dev 0
pull1D
Entries 27
Mean 0.0003903
Std Dev 0.3273


reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 0.7365 / 26
p0 −20.26 ± 3.461
10
0
−10
−20
−30
−40
−50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 116.1
Std Dev 0
0.3
0.2
0.1
0
−0.1
−0.2
−0.3


pull1D
Entries 27
Mean −0.0009815
Std Dev 0.1652
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.527 / 26
p0 −62.78 ± 5.085
−20
−40
−60
−80
−100
−120
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 40.86
Std Dev 0
1.5
1
0.5
0
−0.5
pull1D
Entries 27
Mean −0.02883
Std Dev 0.4515
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.7092 / 26
p0 −108.7 ± 4.937
−70
−80
−90
−100
−110
−120
−130
−140
−150
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −45.06
Std Dev 73.33
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 27
Mean −0.0004459
Std Dev 0.1621
16
14
12
10
8
6
4
2
0
−8
−6
−4
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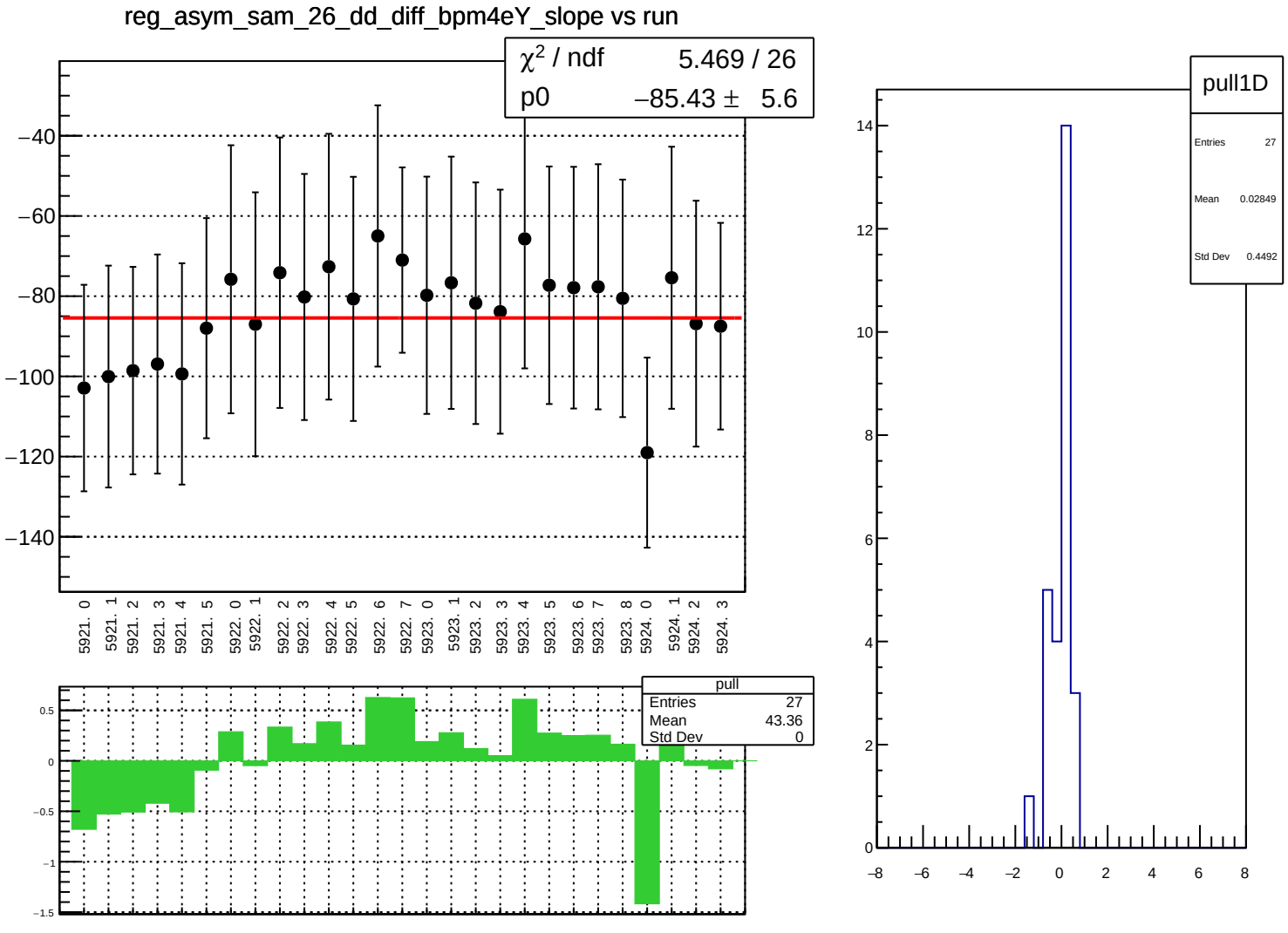
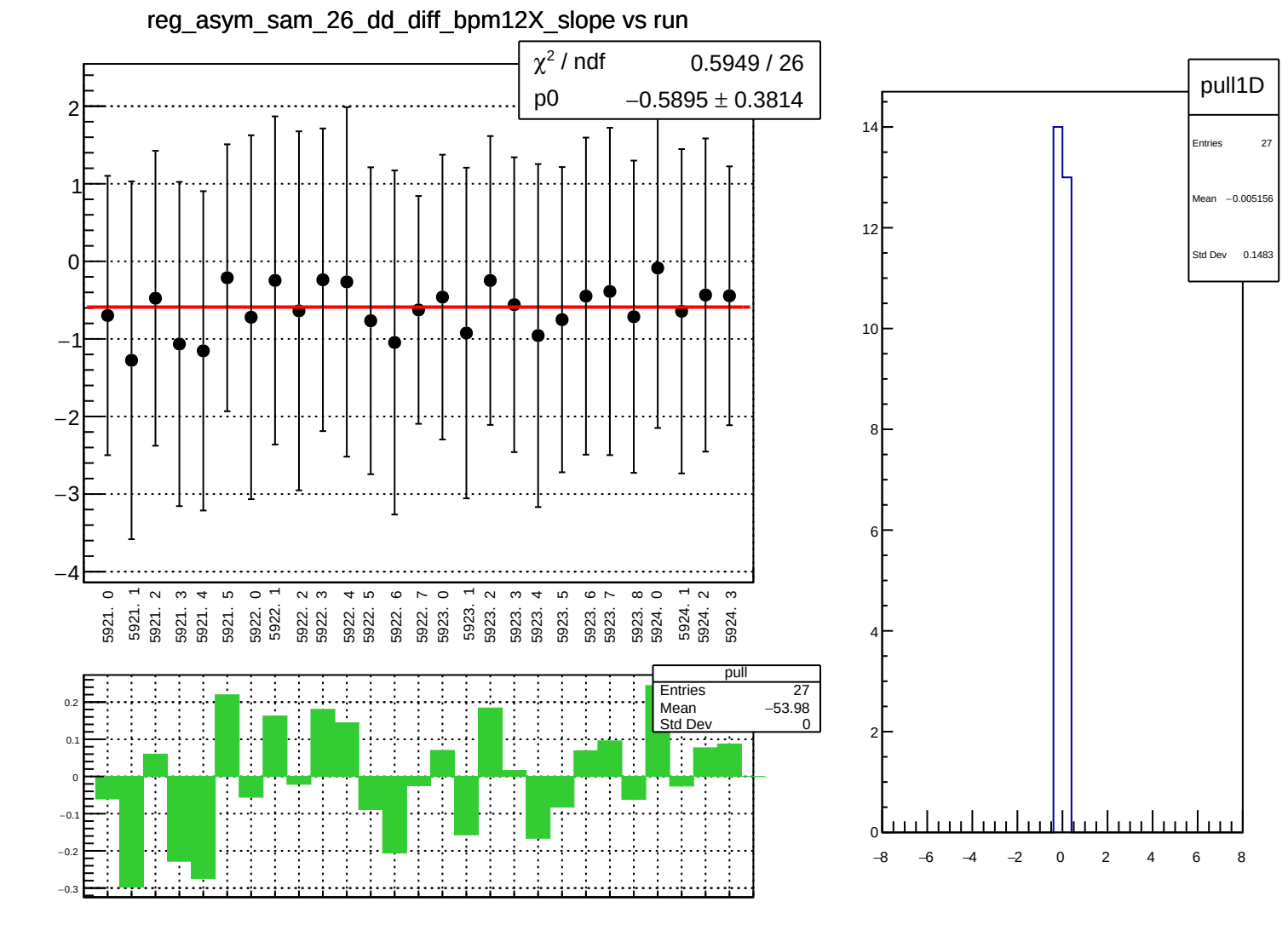
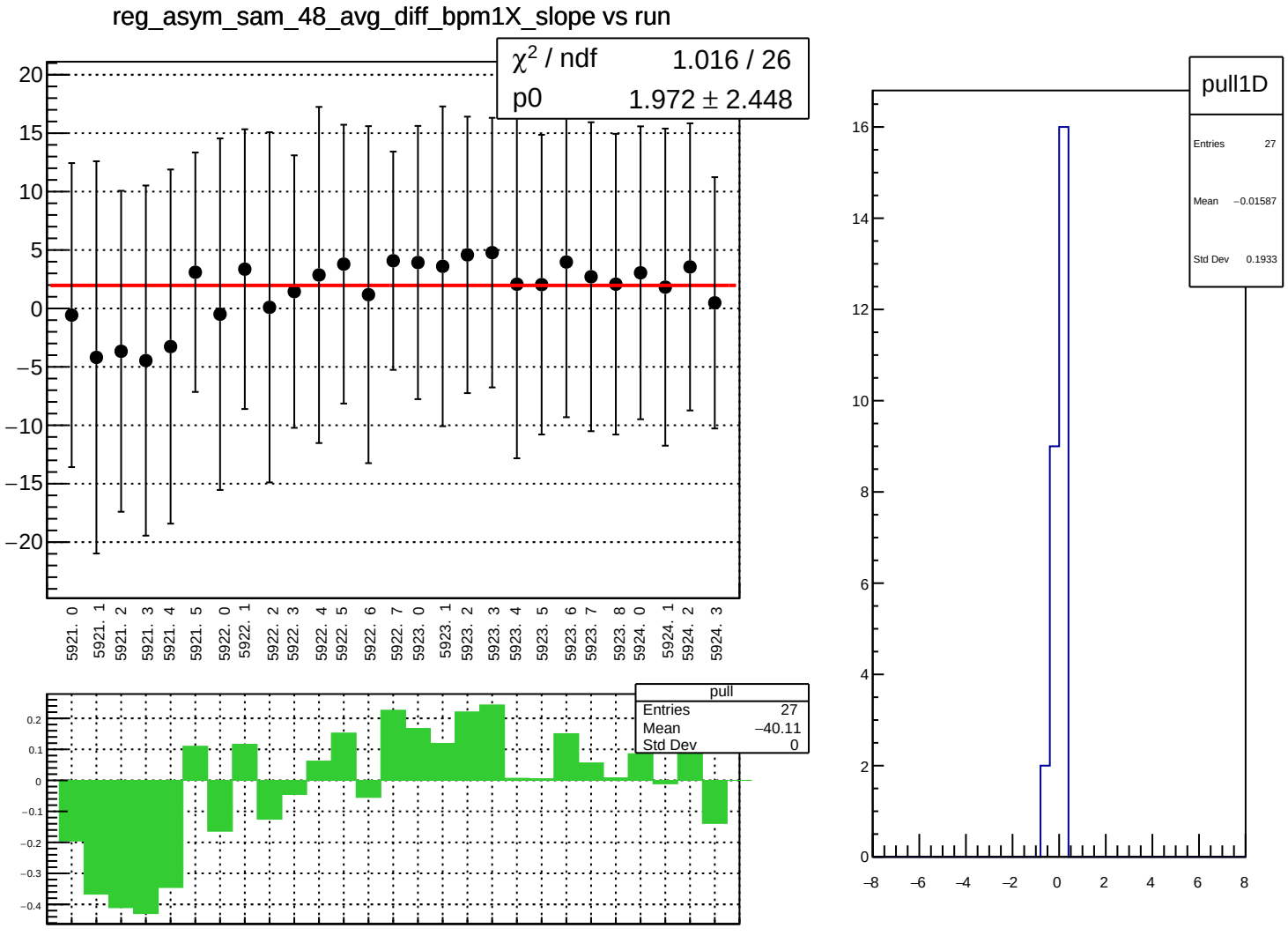
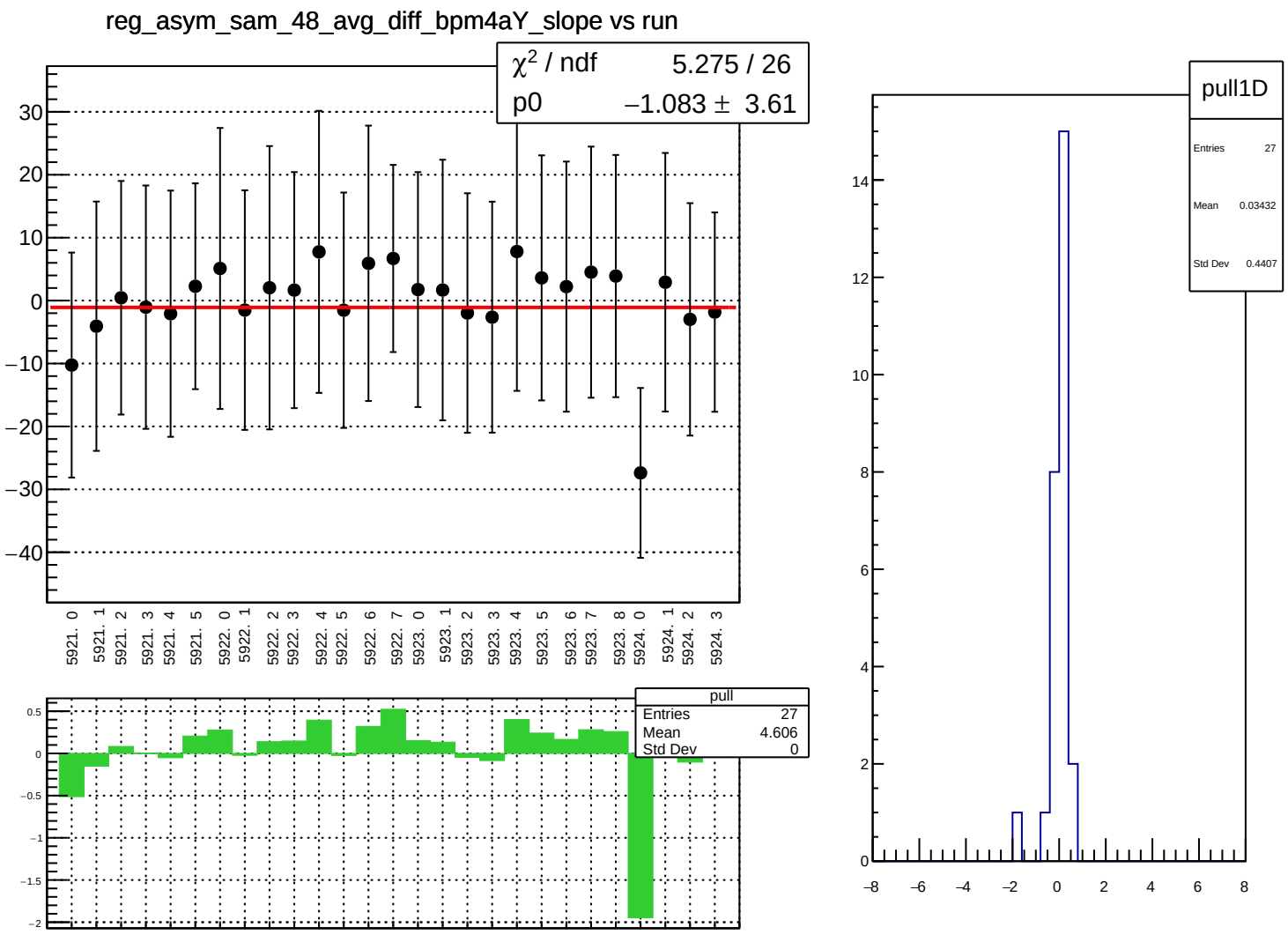
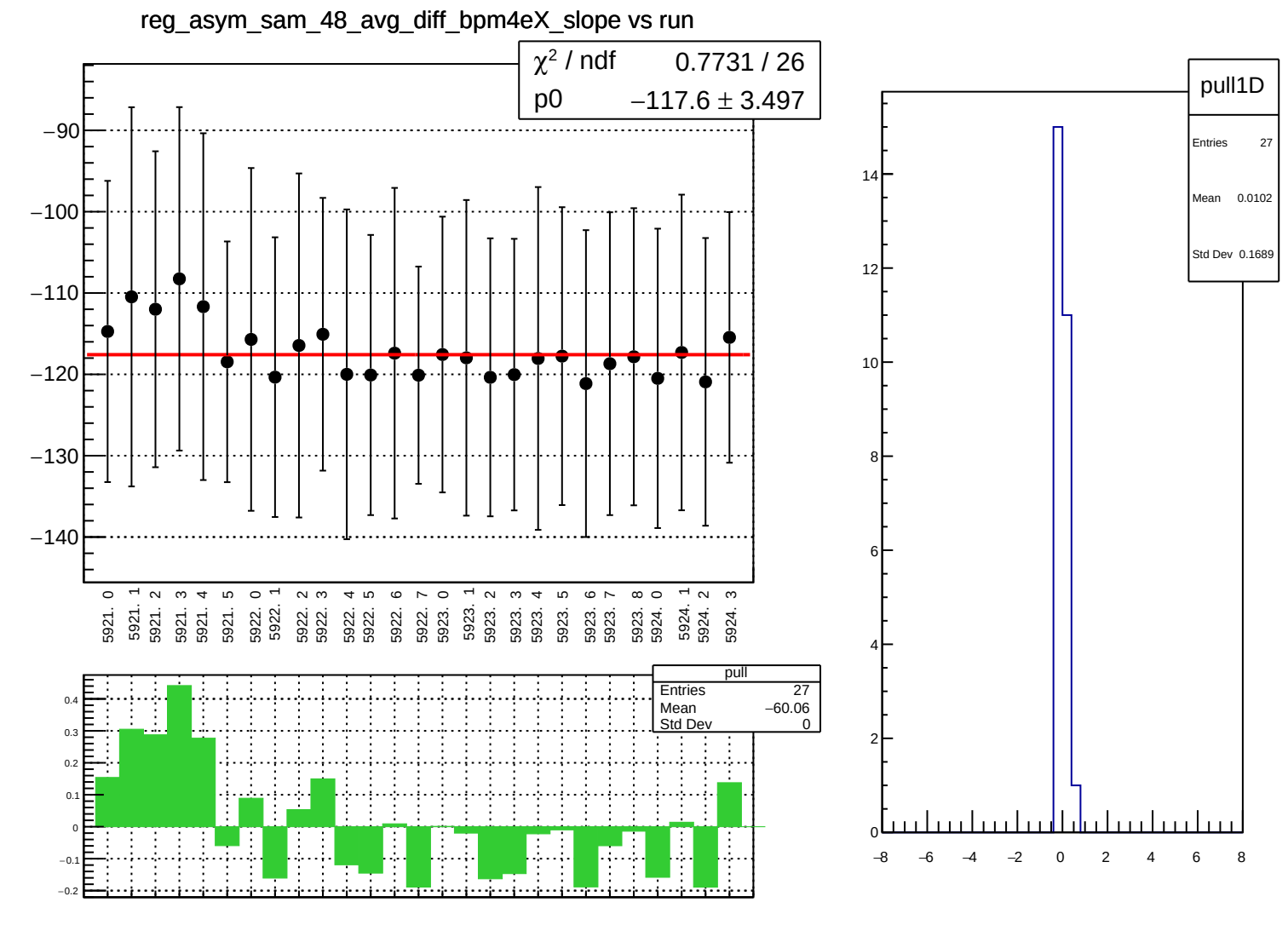
0
2
4
6
8

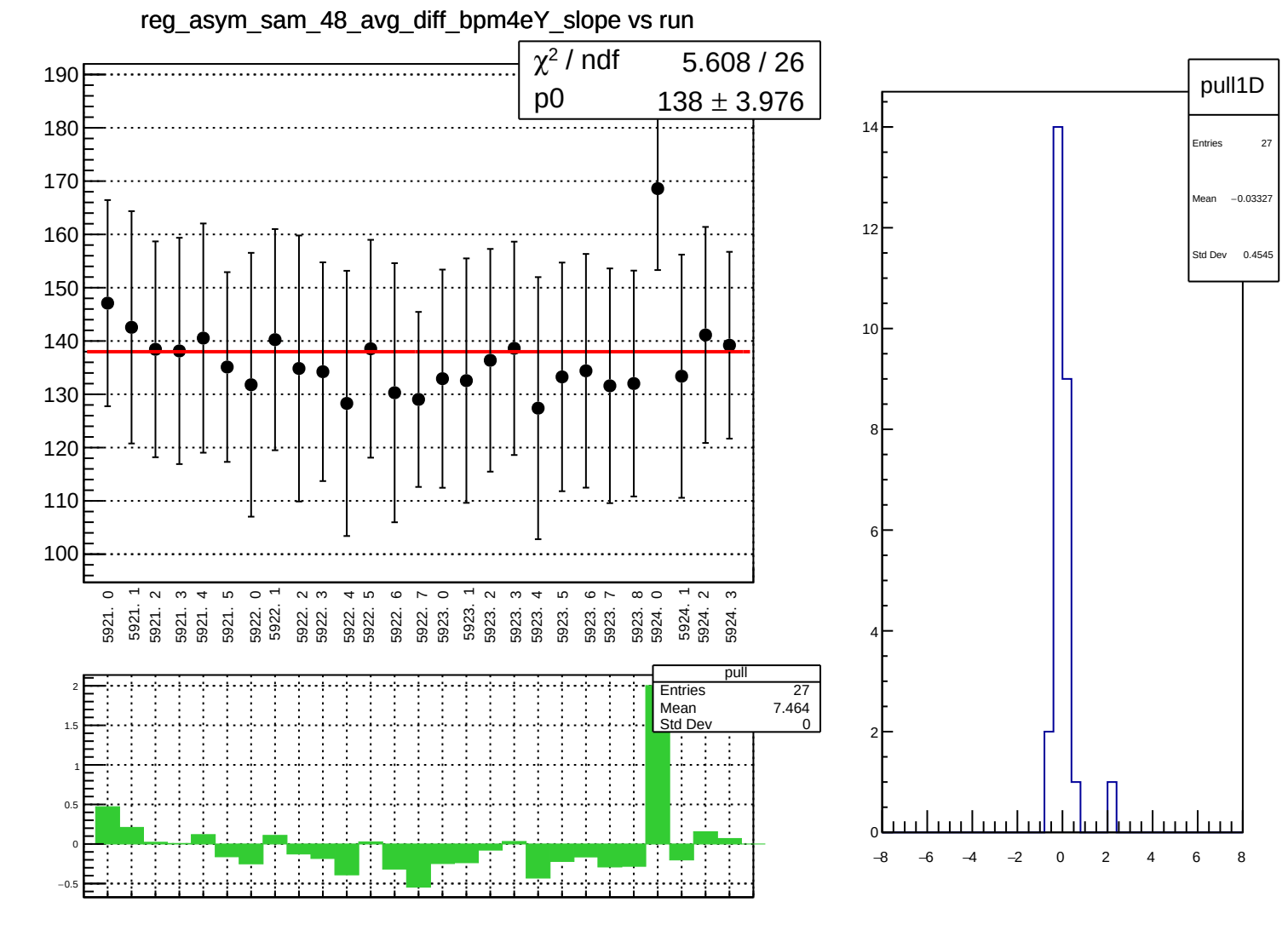

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.469 / 26
p0 −85.43 ± 5.6
−40
−60
−80
−100
−120
−140
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 43.36
Std Dev 0
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.02849
Std Dev 0.4492
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

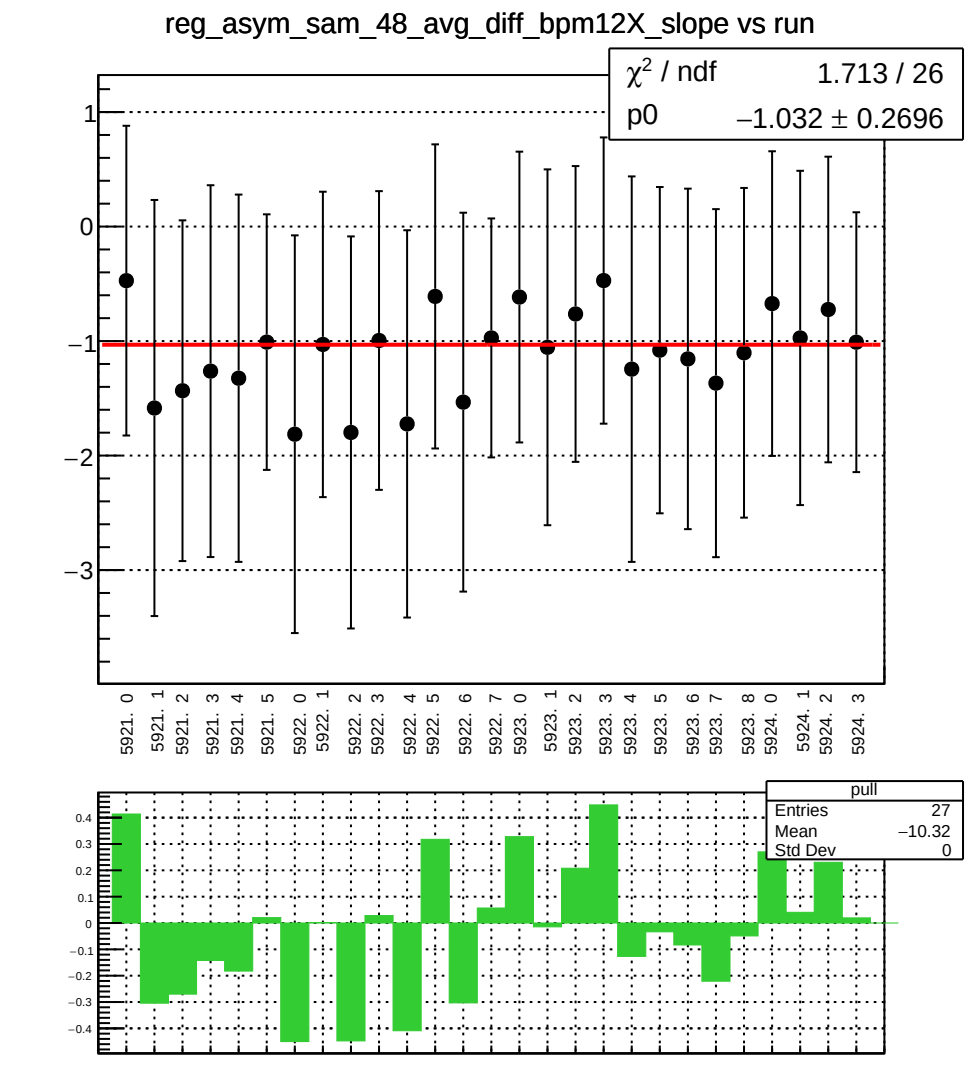

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 0.5949 / 26
p0 −0.5895 ± 0.3814
pull
Entries 27
Mean −53.98
Std Dev 0
pull1D
Entries 27
Mean −0.005156
Std Dev 0.1483

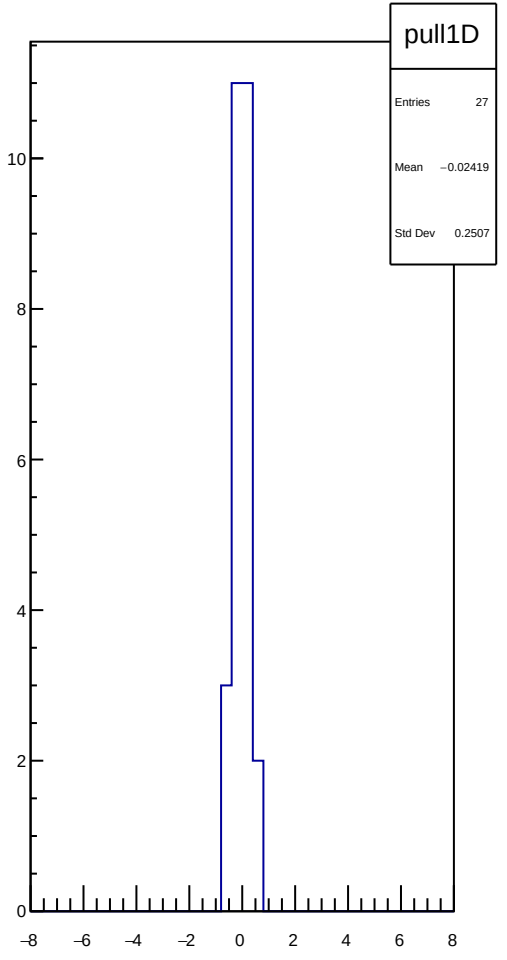

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 1.016 / 26
p0 1.972 ± 2.448
pull
Entries 27
Mean −40.11
Std Dev 0
pull1D
Entries 27
Mean −0.01587
Std Dev 0.1933

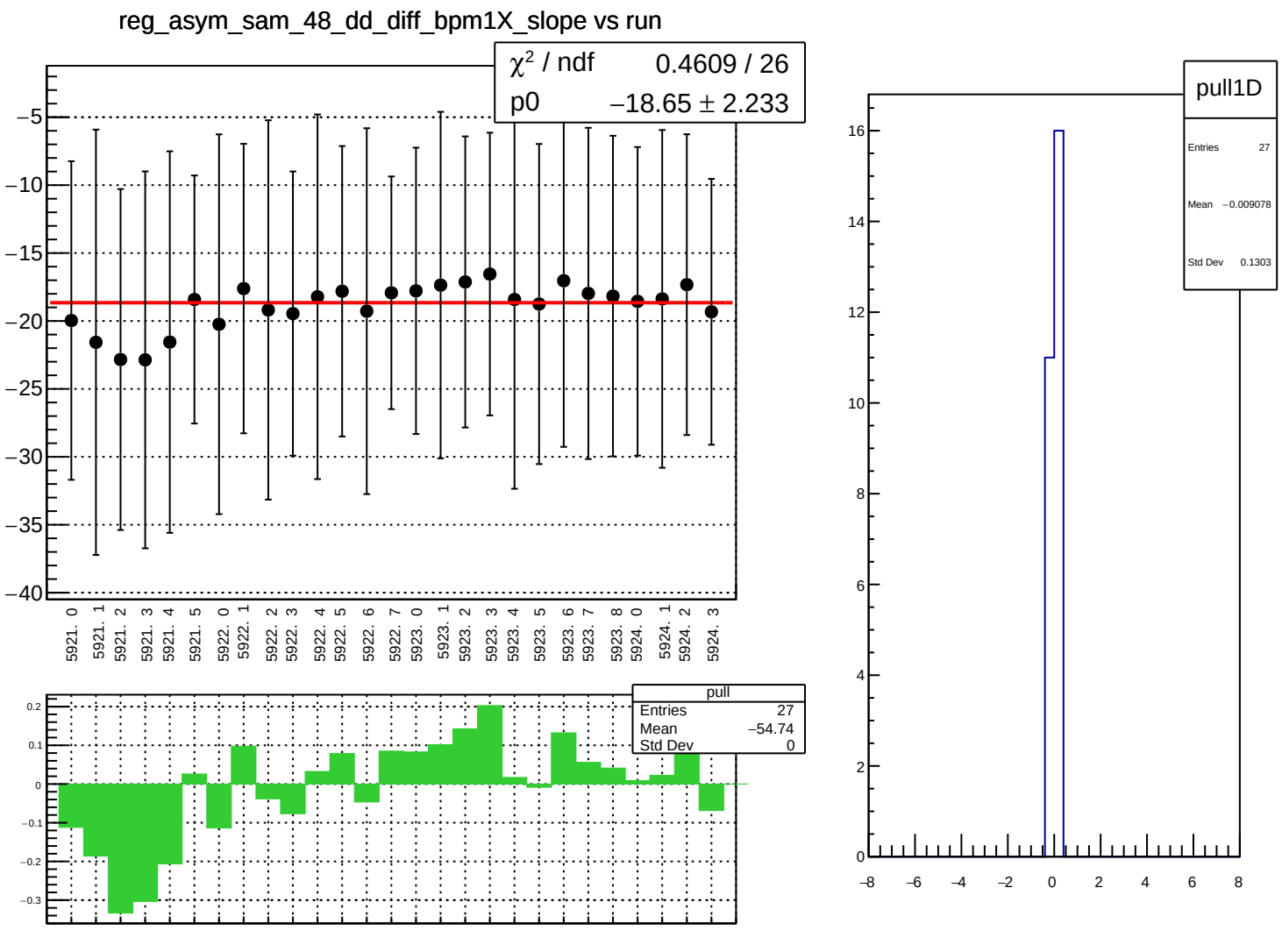

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.275 / 26
p0 −1.083 ± 3.61
30
20
10
0
−10
−20
−30
−40
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 4.606
Std Dev 0
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean 0.03432
Std Dev 0.4407
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

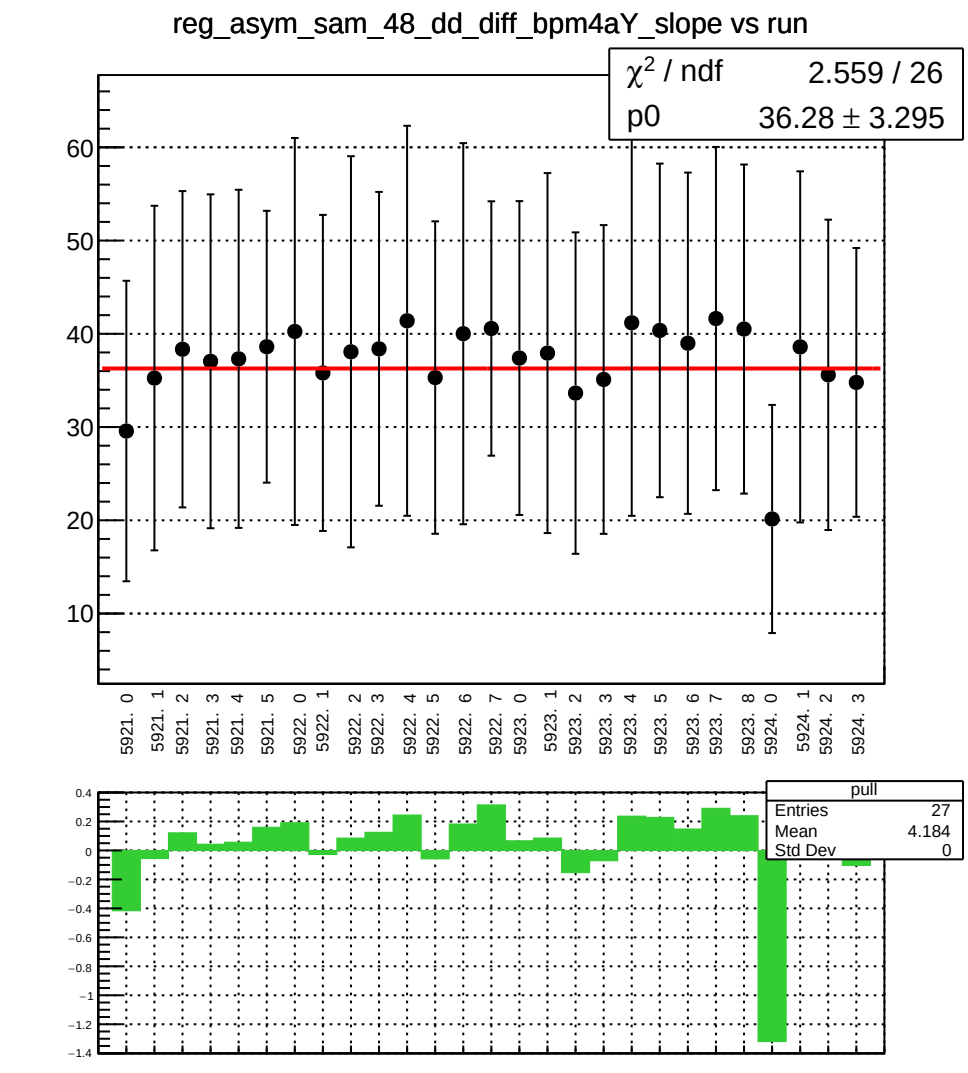

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 0.7731 / 26
p0 −117.6 ± 3.497
−90
−100
−110
−120
−130
−140
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −60.06
Std Dev 0
0.4
0.3
0.2
0.1
0
−0.1
−0.2
pull1D
Entries 27
Mean 0.0102
Std Dev 0.1689
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

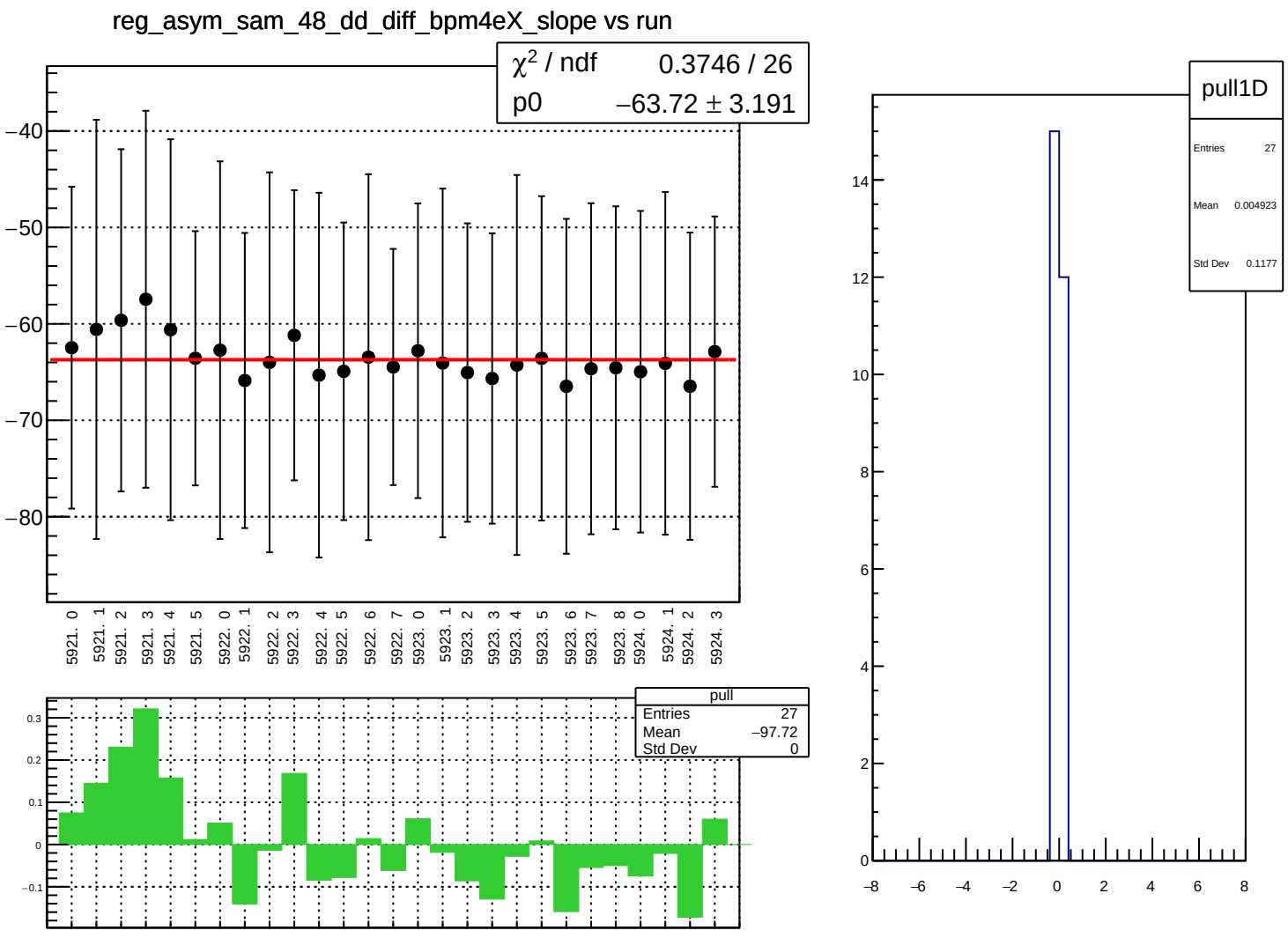

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.608 / 26
p0 138 ± 3.976
pull
Entries 27
Mean 7.464
Std Dev 0
pull1D
Entries 27
Mean −0.03327
Std Dev 0.4545

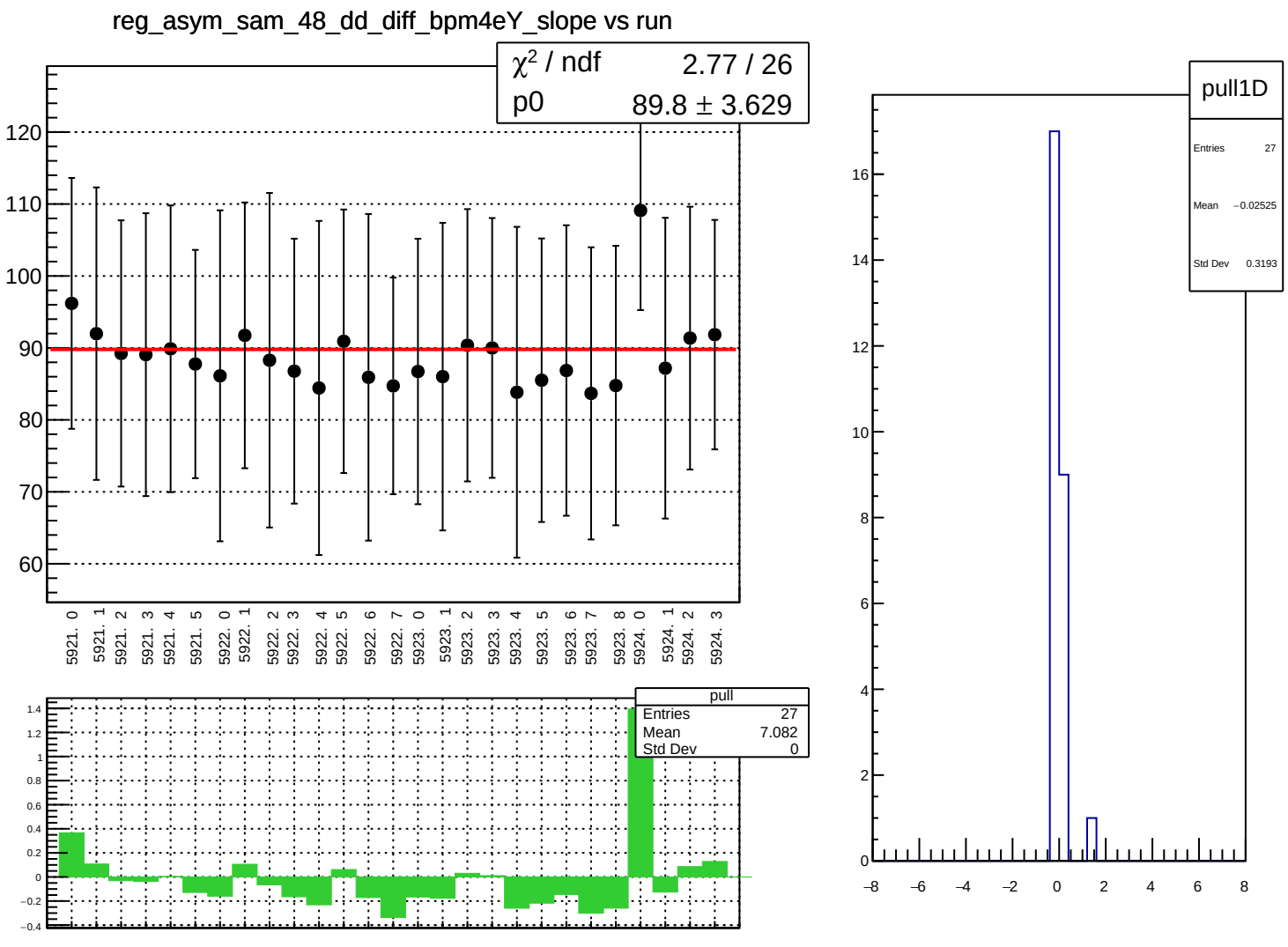

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 1.713 / 26
p0 −1.032 ± 0.2696
1
0
−1
−2
−3
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −10.32
Std Dev 0
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4

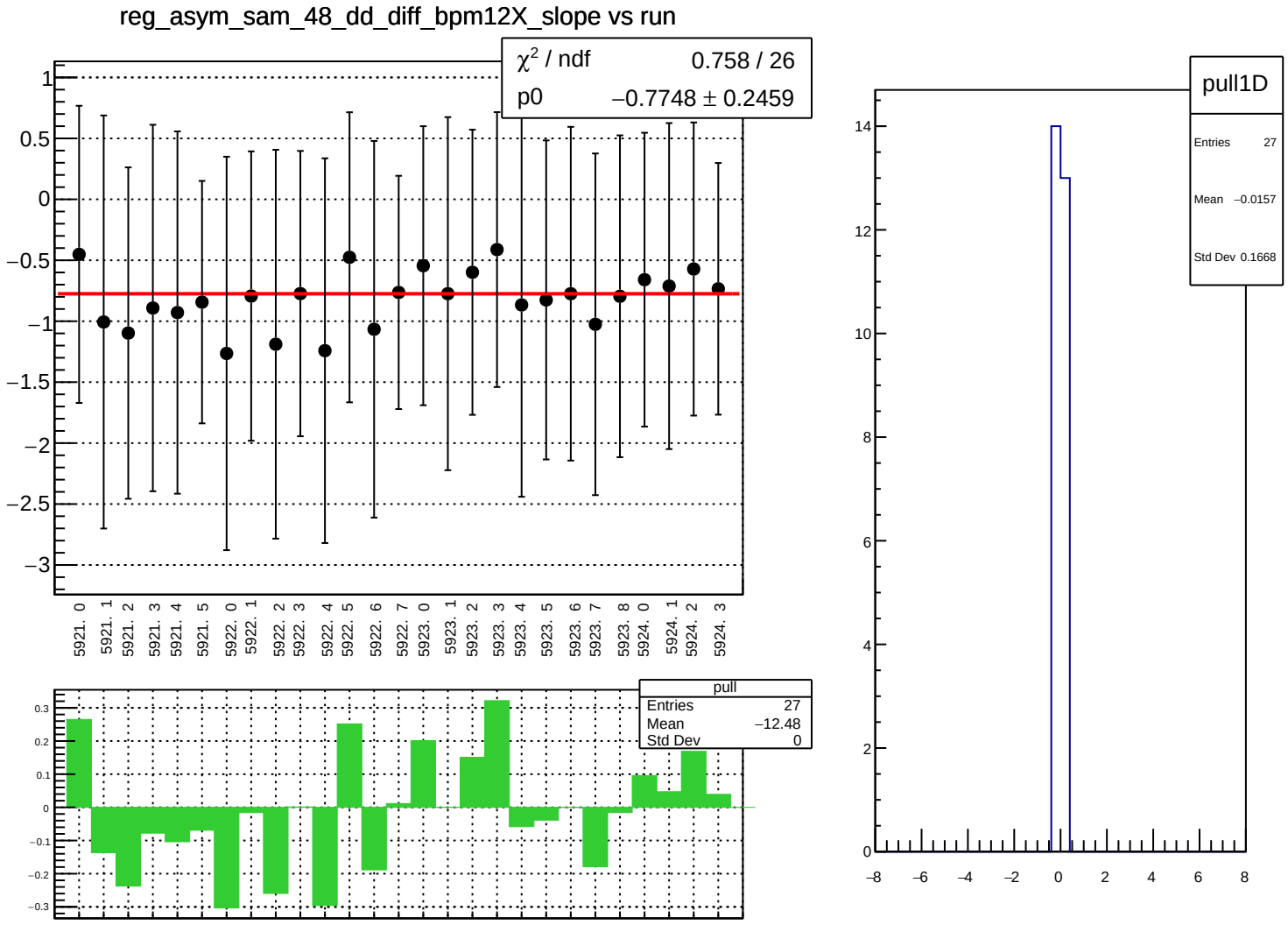

pull1D
Entries 27
Mean −0.02419
Std Dev 0.2507
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

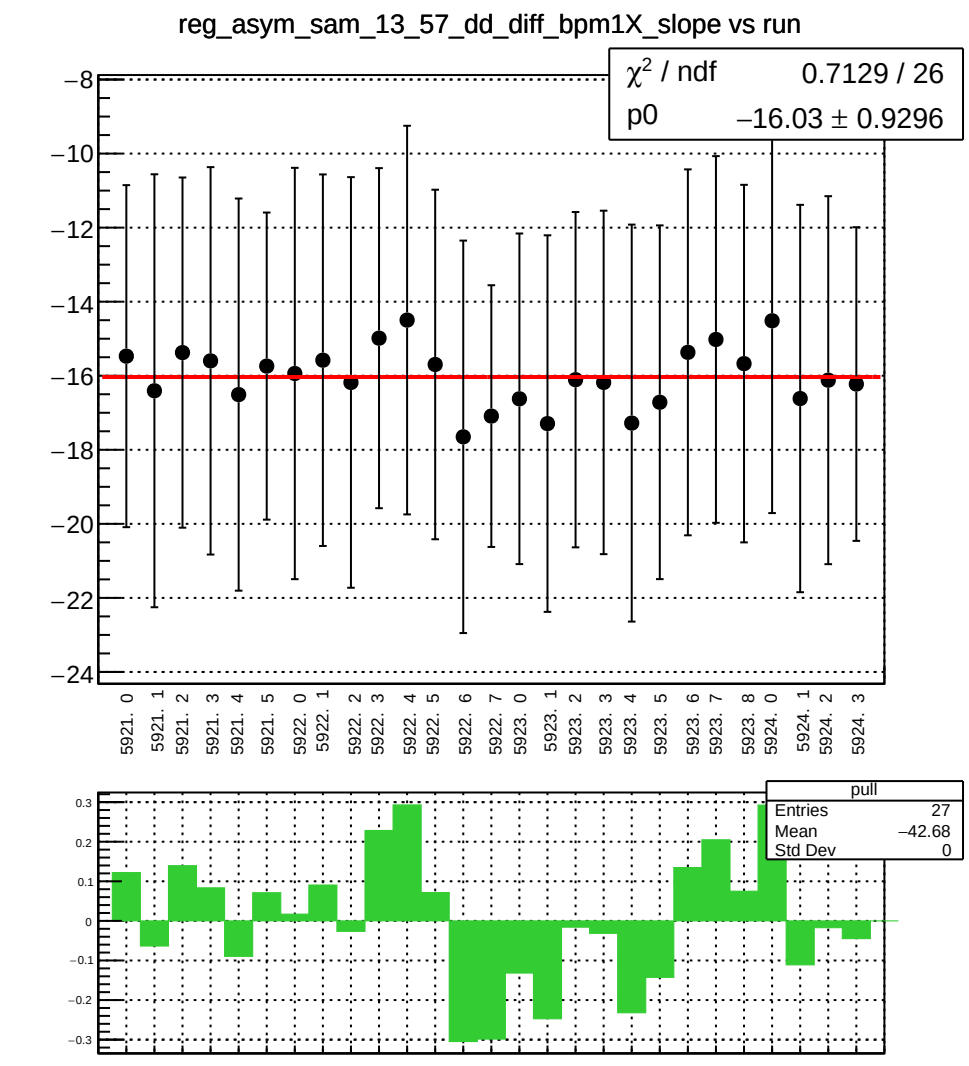

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 0.4609 / 26
p0 −18.65 ± 2.233
−5
−10
−15
−20
−25
−30
−35
−40
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −54.74
Std Dev 0
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 27
Mean −0.009078
Std Dev 0.1303
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

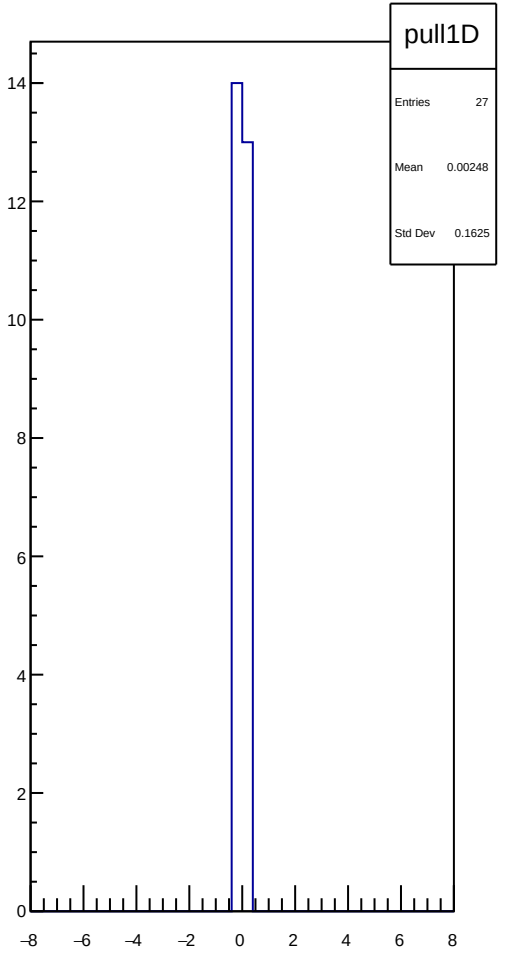

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.559 / 26
p0 36.28 ± 3.295
60
50
40
30
20
10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 4.184
Std Dev 0
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
pull1D
Entries 27
Mean 0.02581
Std Dev 0.3068
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

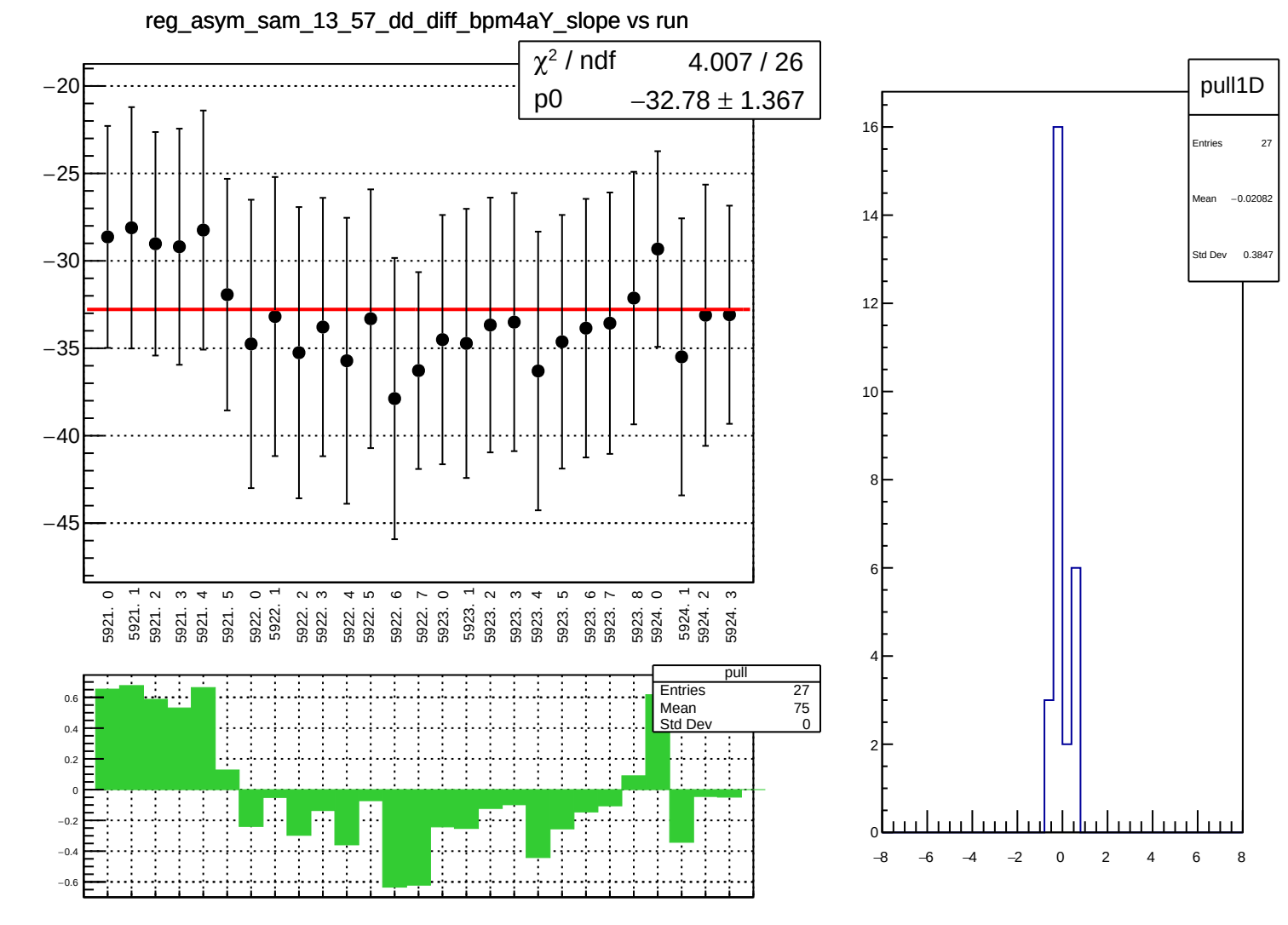

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.3746 / 26
p0 −63.72 ± 3.191
−40
−50
−60
−70
−80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −97.72
Std Dev 0
0.3
0.2
0.1
0
−0.1
pull1D
Entries 27
Mean 0.004923
Std Dev 0.1177
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

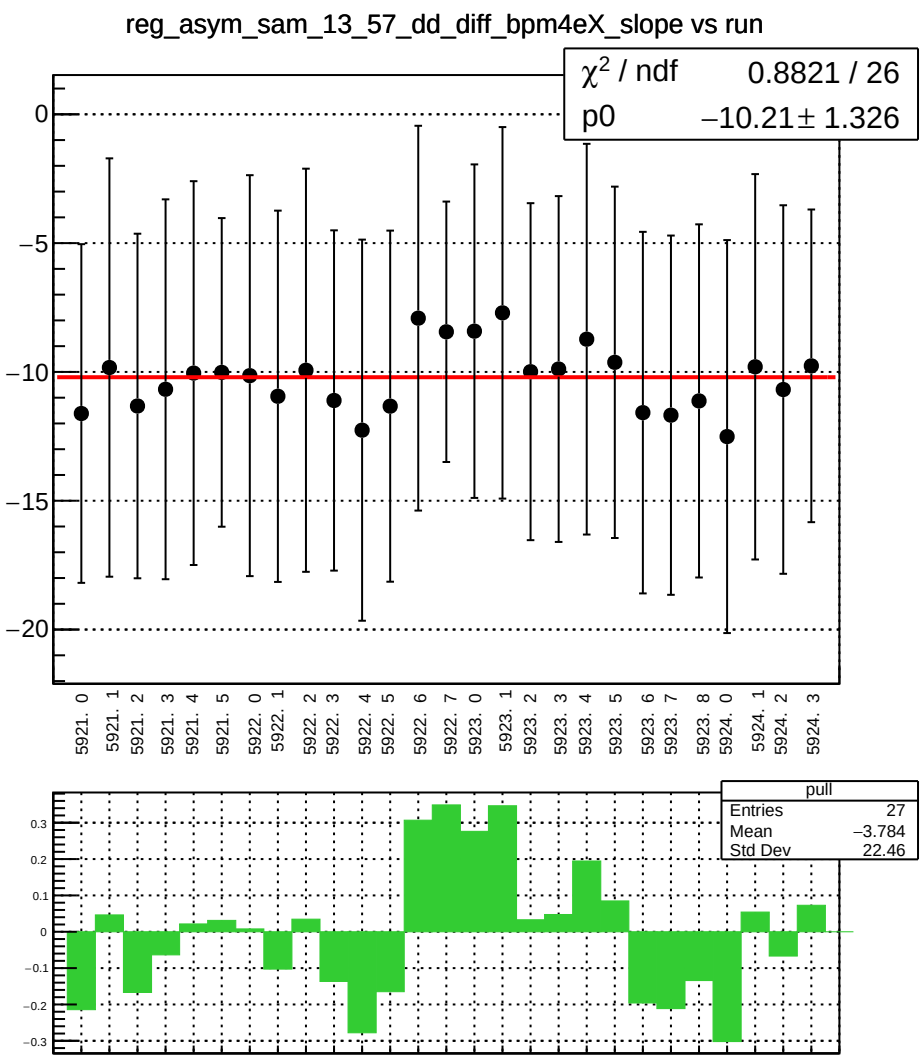

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.77 / 26
p0 89.8 ± 3.629
120
110
100
90
80
70
60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 7.082
Std Dev 0
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 27
Mean −0.02525
Std Dev 0.3193
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

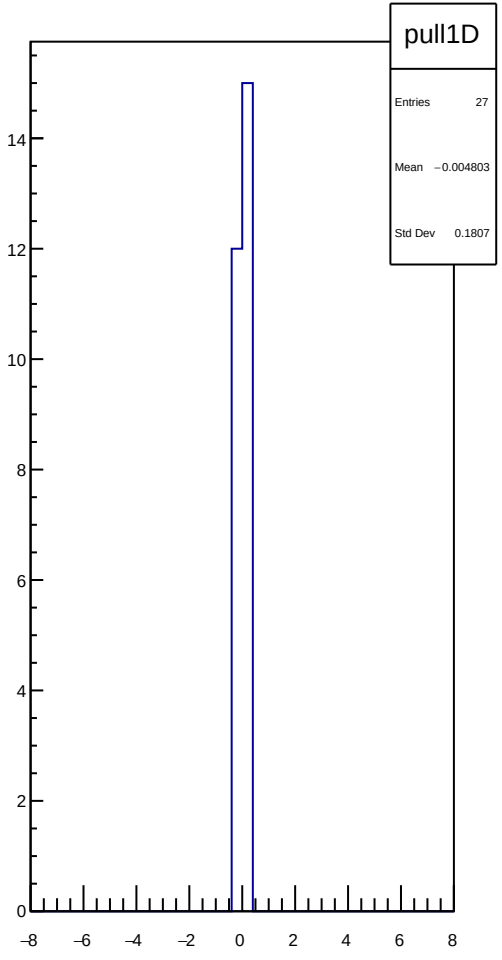

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 0.758 / 26
p0 −0.7748 ± 0.2459
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −12.48
Std Dev 0
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 27
Mean −0.0157
Std Dev 0.1668
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

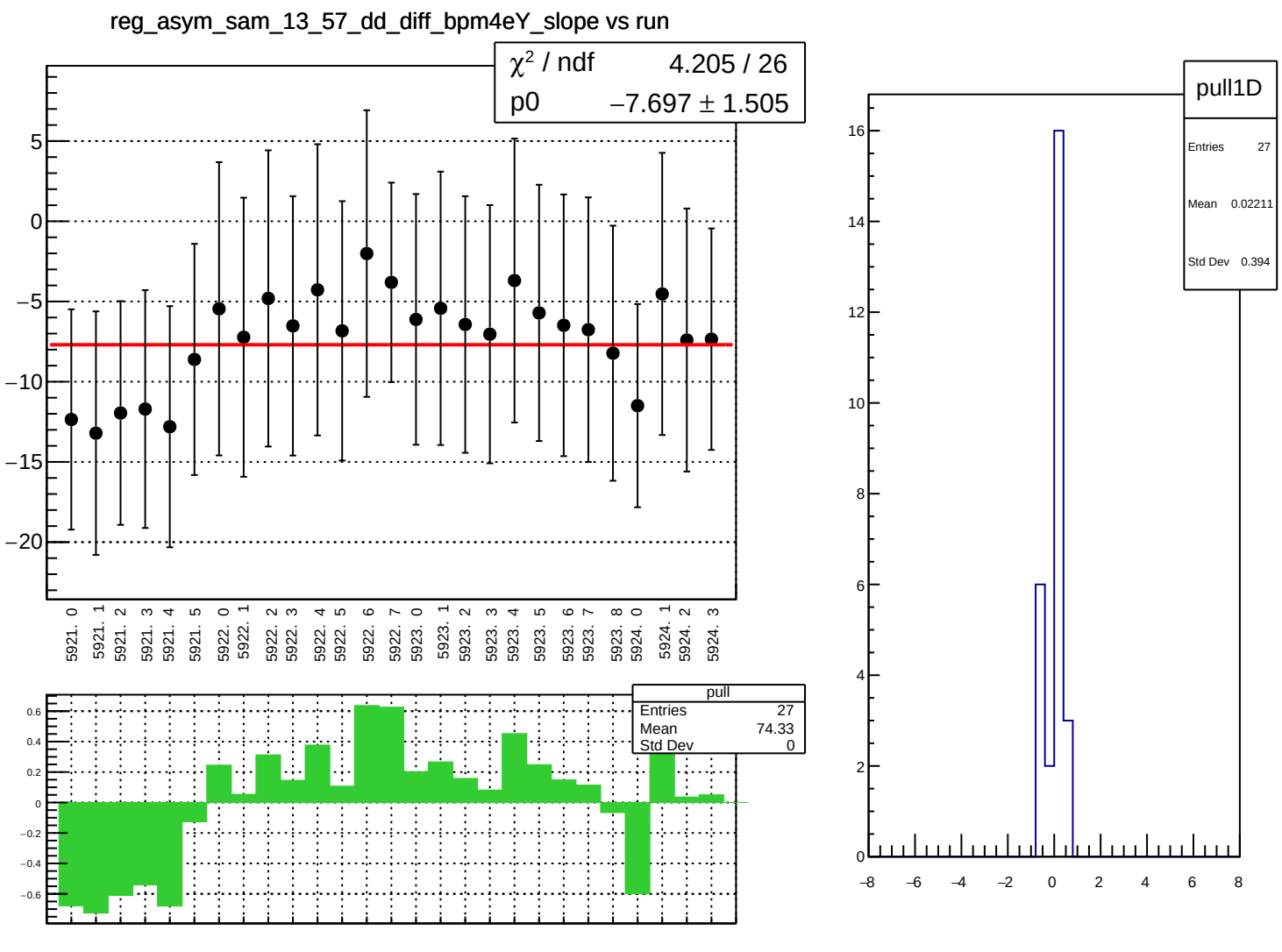

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 0.7129 / 26
p0 −16.03 ± 0.9296
−8
−10
−12
−14
−16
−18
−20
−22
−24
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −42.68
Std Dev 0
0.3
0.2
0.1
0
−0.1
−0.2
−0.3

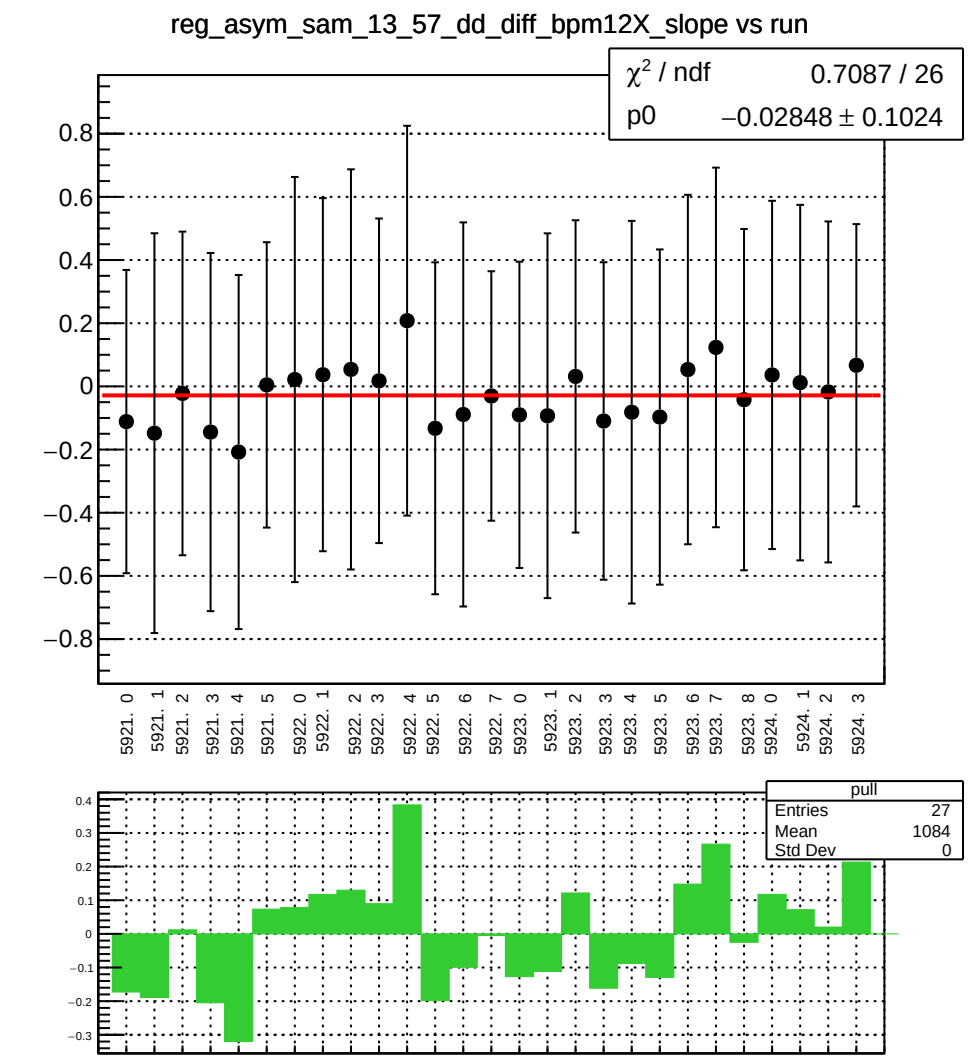

pull1D
Entries 27
Mean 0.00248
Std Dev 0.1625
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

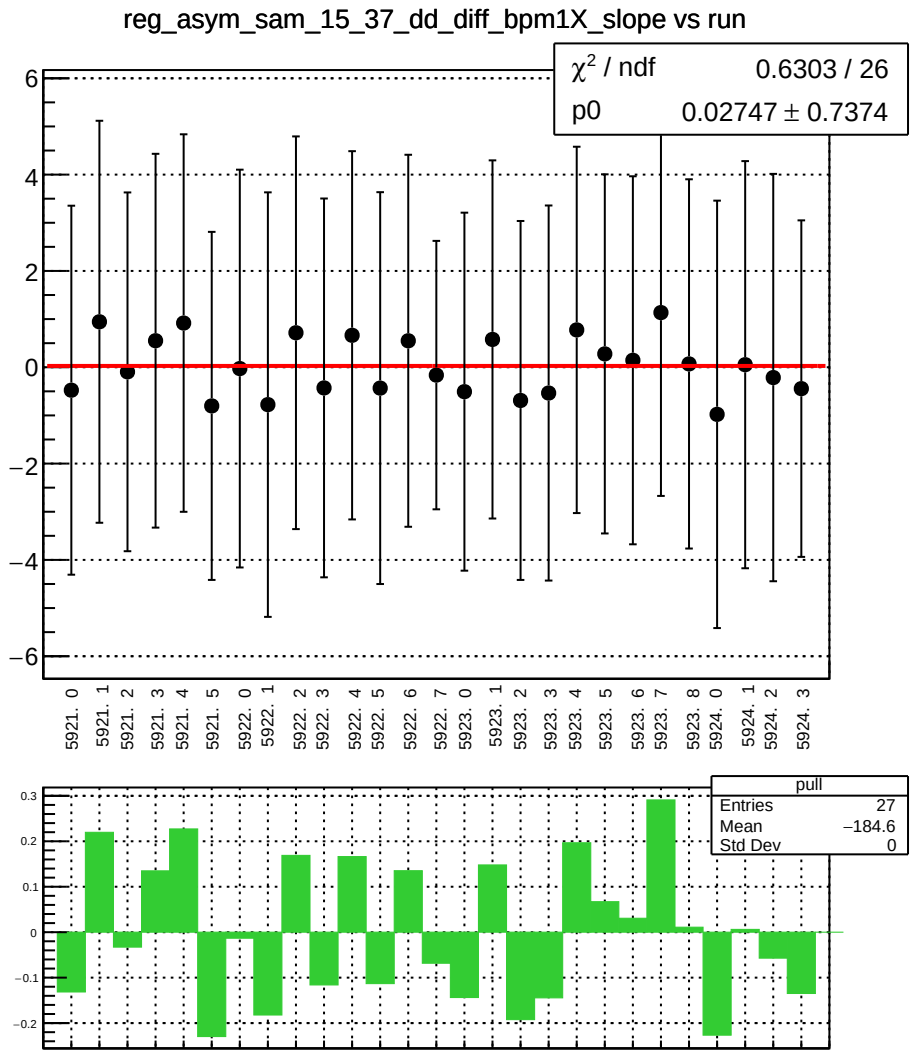

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.007 / 26
p0 −32.78 ± 1.367
−20
−25
−30
−35
−40
−45
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 75
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 27
Mean −0.02082
Std Dev 0.3847
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

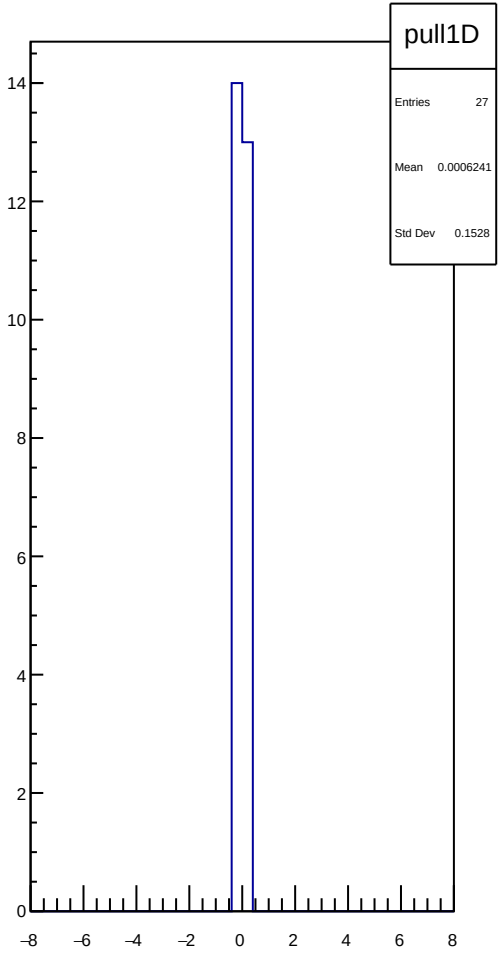

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.8821 / 26
p0 −10.21± 1.326
0
−5
−10
−15
−20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −3.784
Std Dev 22.46
0.3
0.2
0.1
0
−0.1
−0.2
−0.3

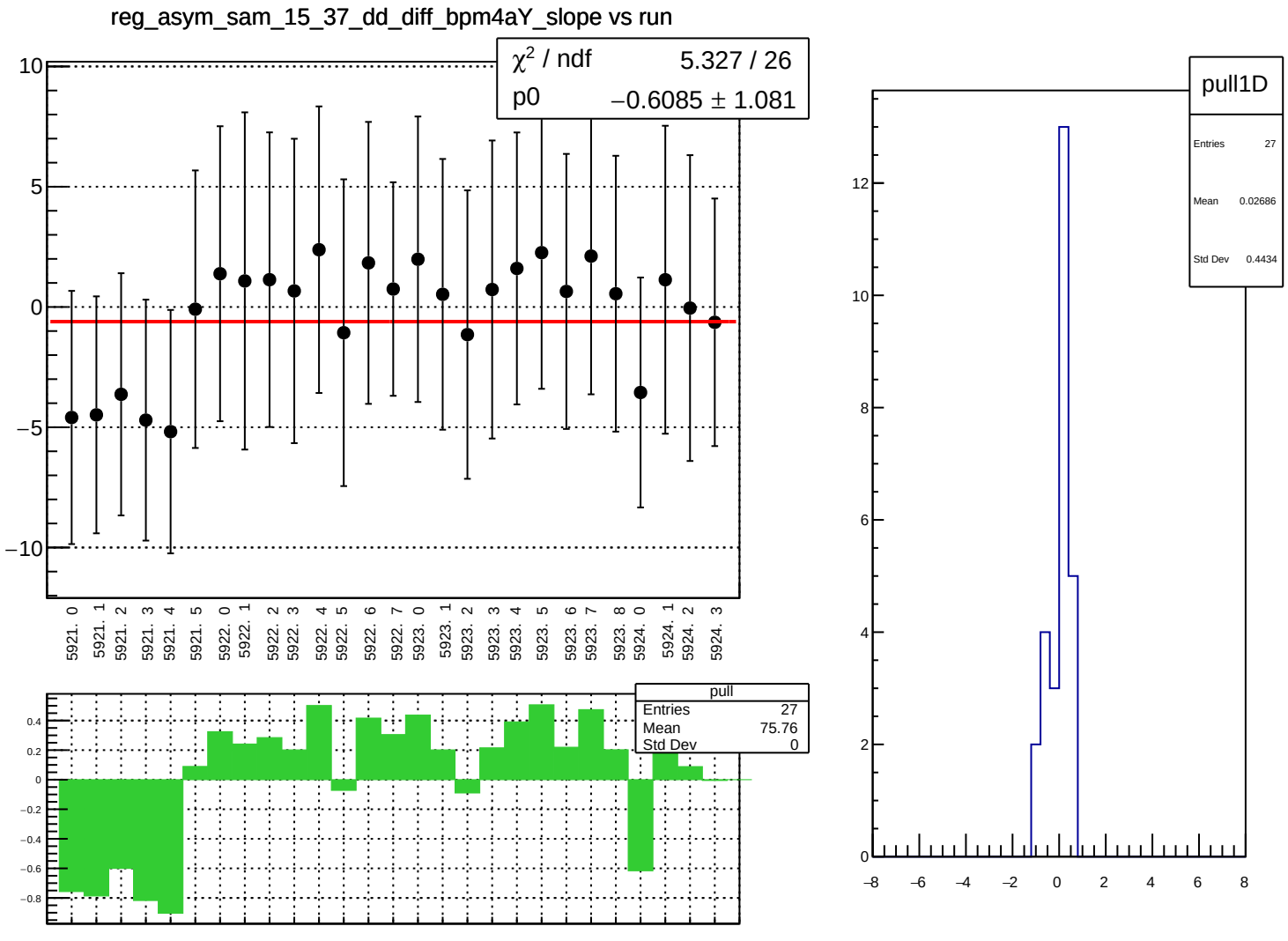

pull1D
Entries 27
Mean −0.004803
Std Dev 0.1807
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

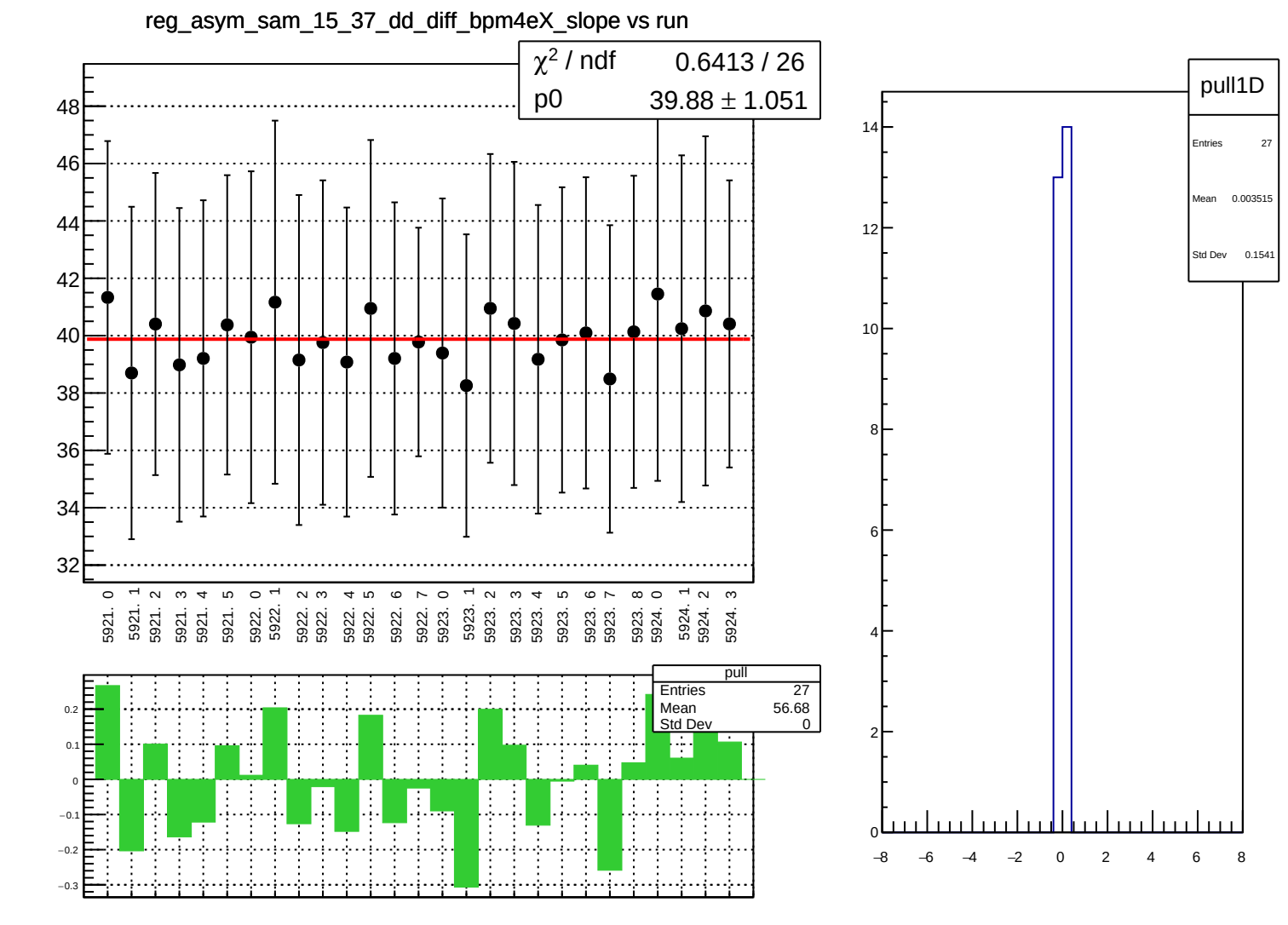

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.205 / 26
p0 −7.697 ± 1.505
5
0
−5
−10
−15
−20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 74.33
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 27
Mean 0.02211
Std Dev 0.394
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

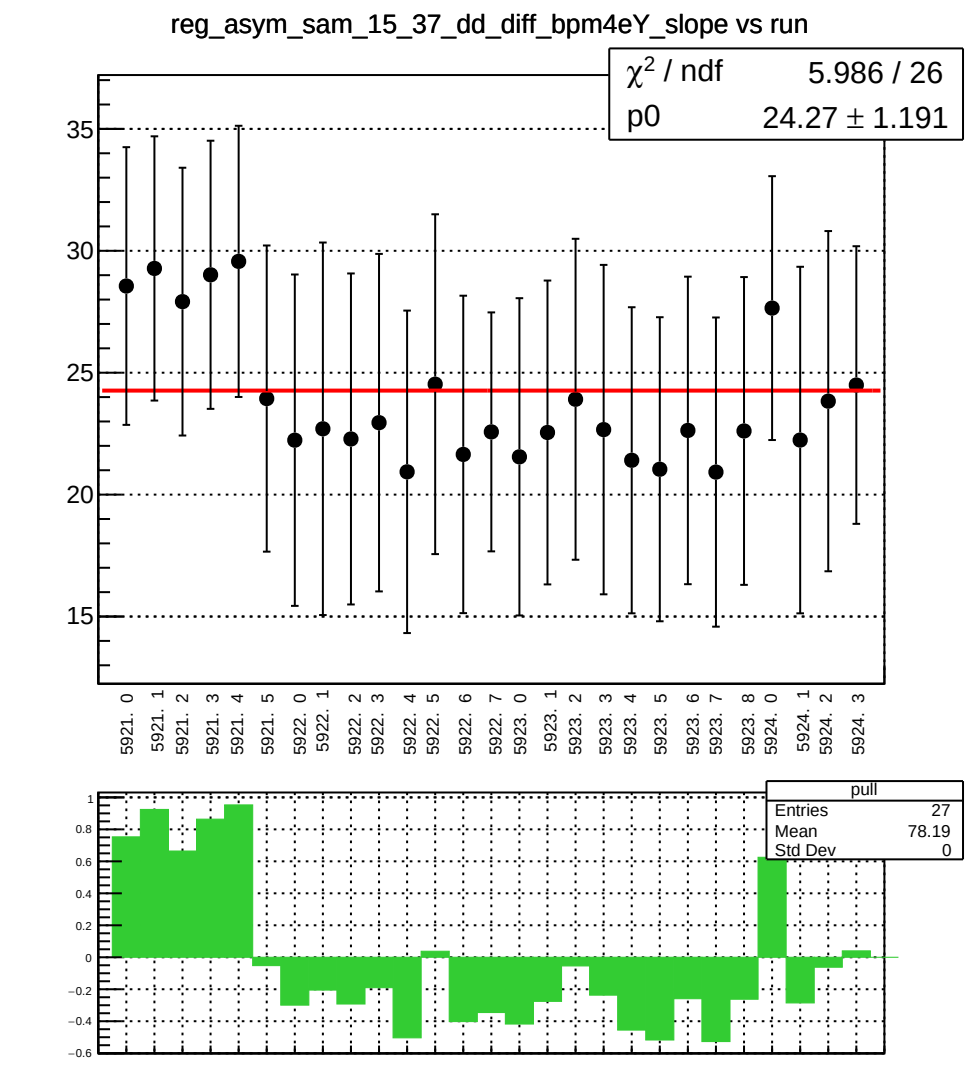

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 0.7087 / 26
p0 −0.02848 ± 0.1024
pull
Entries 27
Mean 1084
Std Dev 0
pull1D
Entries 27
Mean 0.0004114
Std Dev 0.162

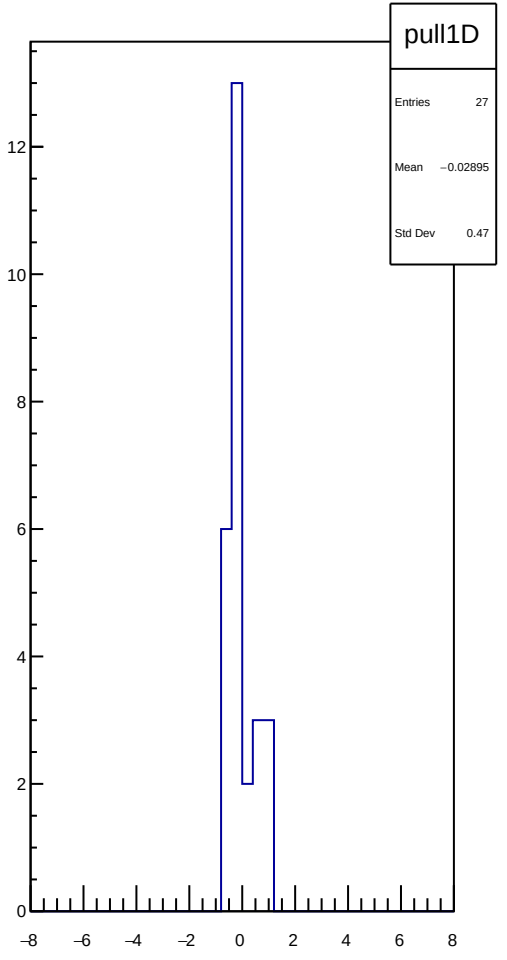

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 0.6303 / 26
p0 0.02747 ± 0.7374
6
4
2
0
−2
−4
−6
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −184.6
Std Dev 0
0.3
0.2
0.1
0
−0.1
−0.2

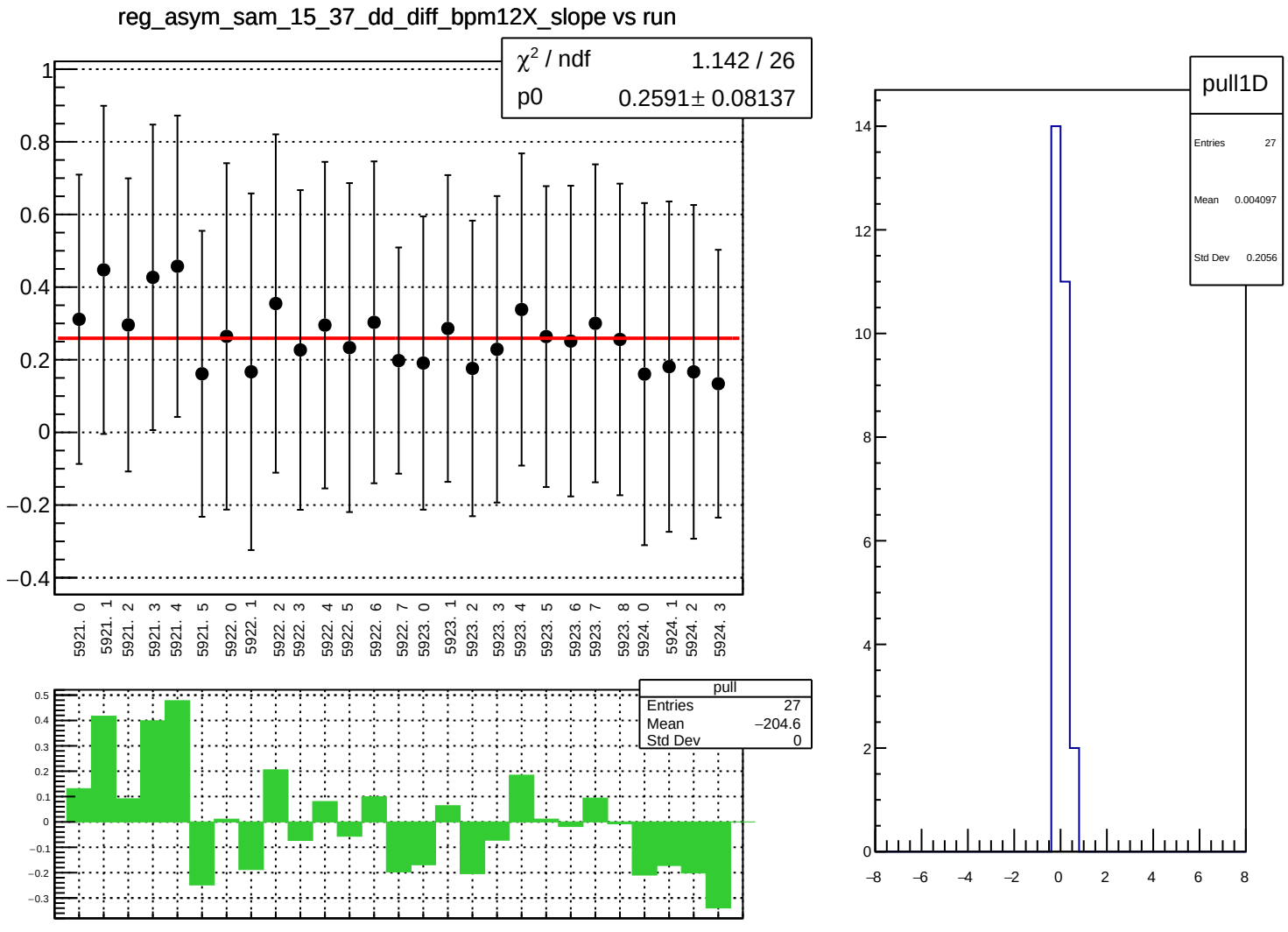

pull1D
Entries 27
Mean 0.0006241
Std Dev 0.1528
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

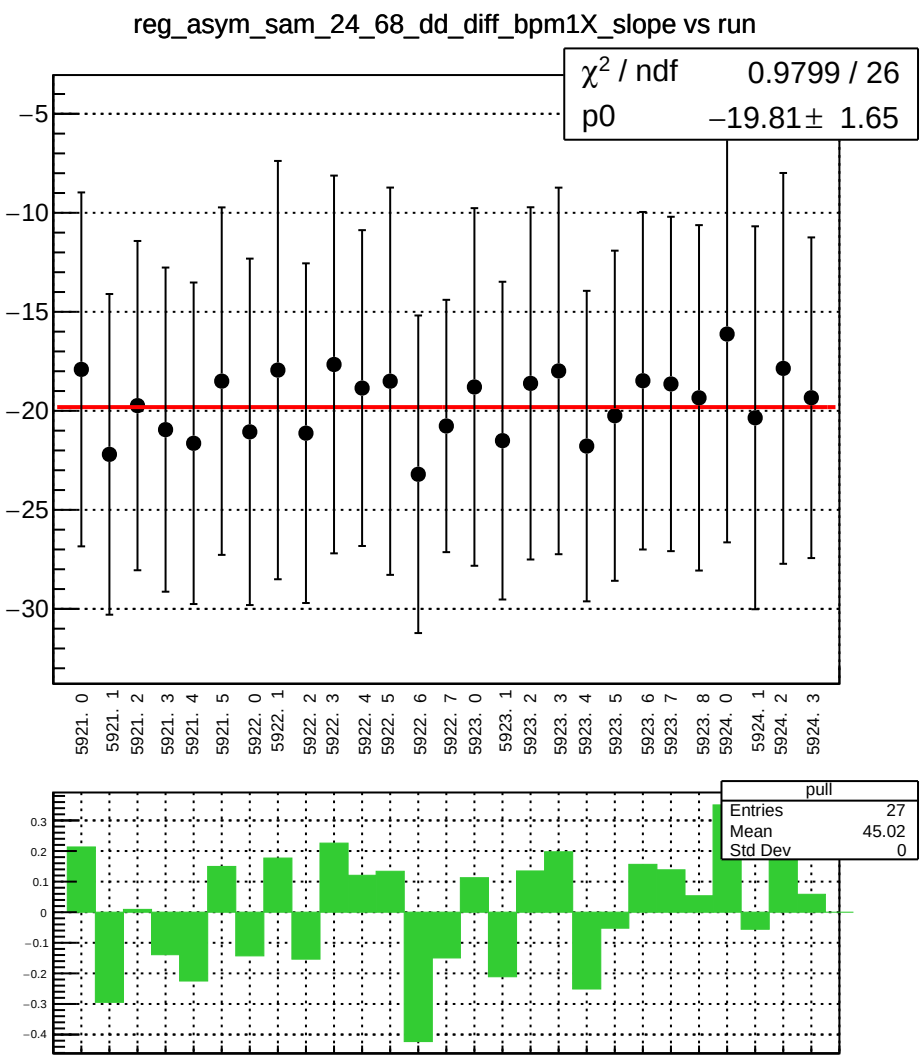

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.327 / 26
p0 −0.6085 ± 1.081
10
5
0
−5
−10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 75.76
Std Dev 0
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 27
Mean 0.02686
Std Dev 0.4434
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

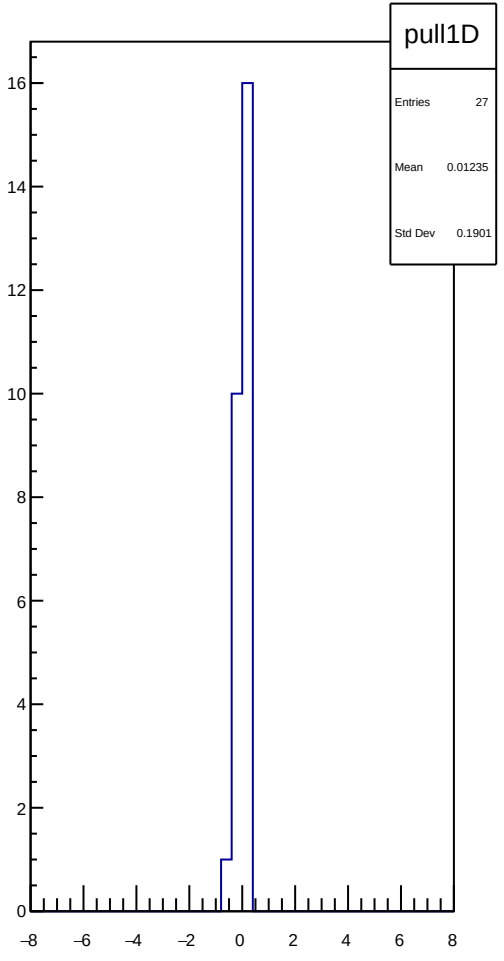

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.6413 / 26
p0 39.88 ± 1.051
pull
Entries 27
Mean 56.68
Std Dev 0
pull1D
Entries 27
Mean 0.003515
Std Dev 0.1541

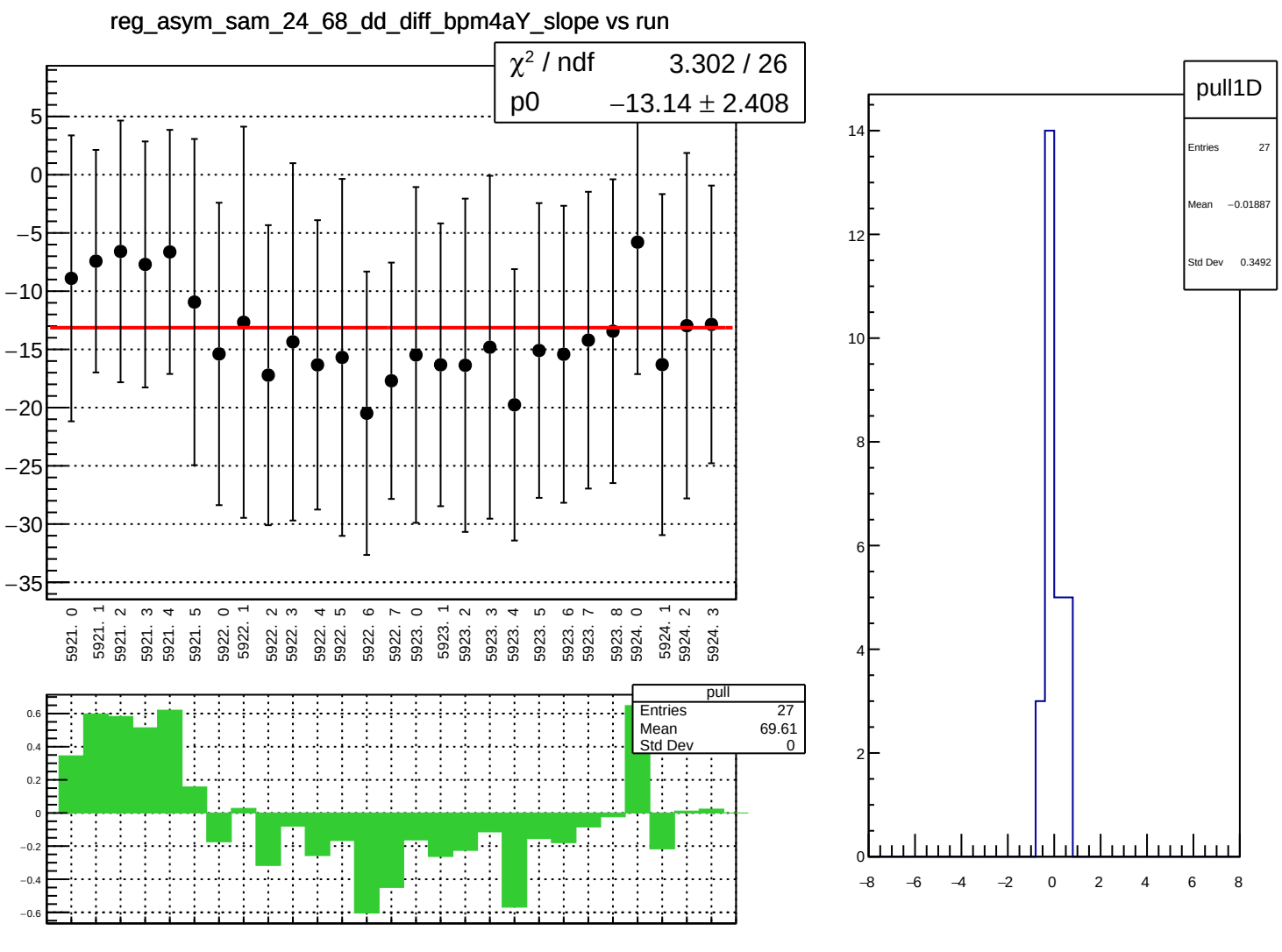

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.986 / 26
p0 24.27 ± 1.191
35
30
25
20
15
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 78.19
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

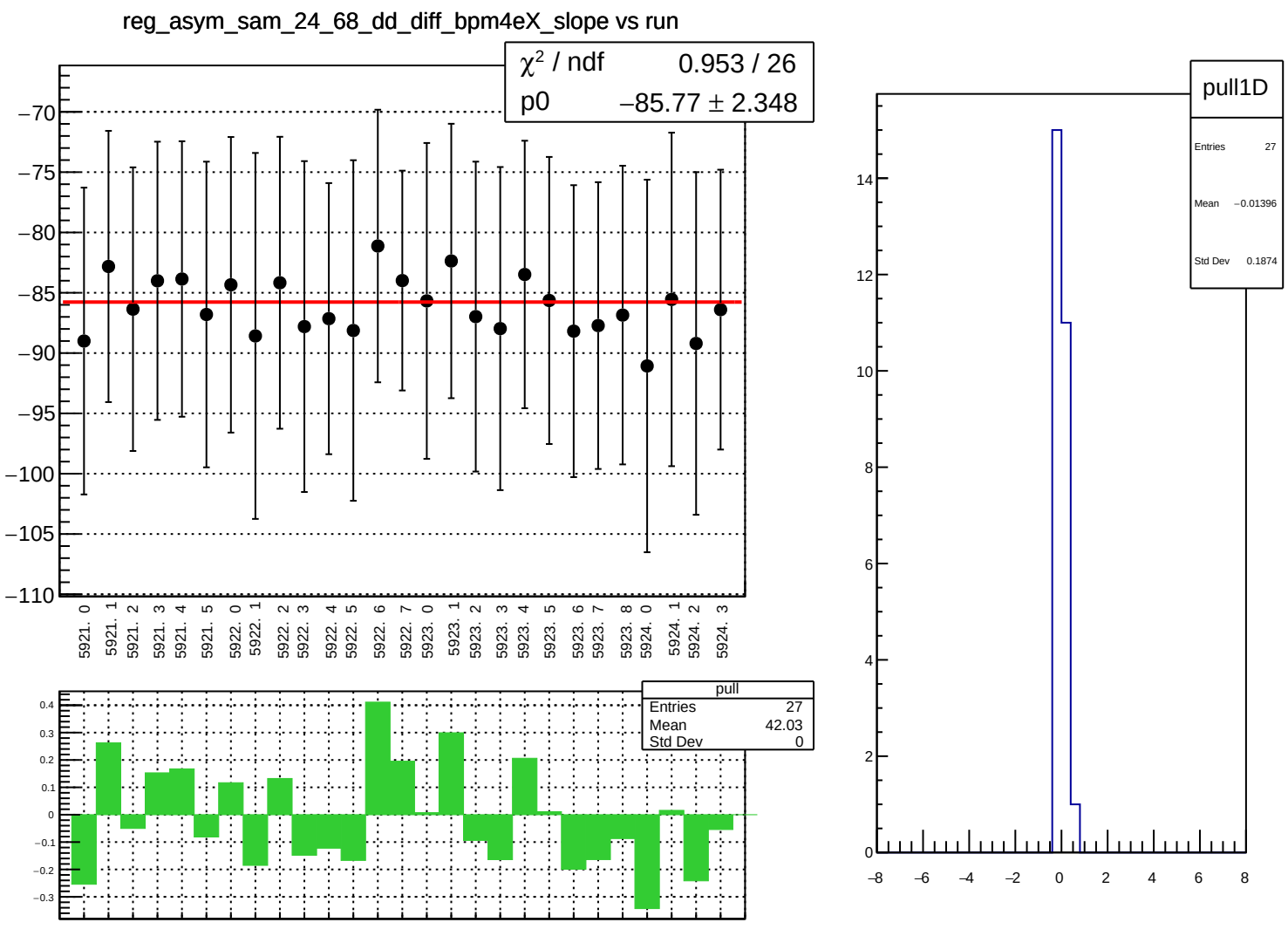

pull1D
Entries 27
Mean −0.02895
Std Dev 0.47
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

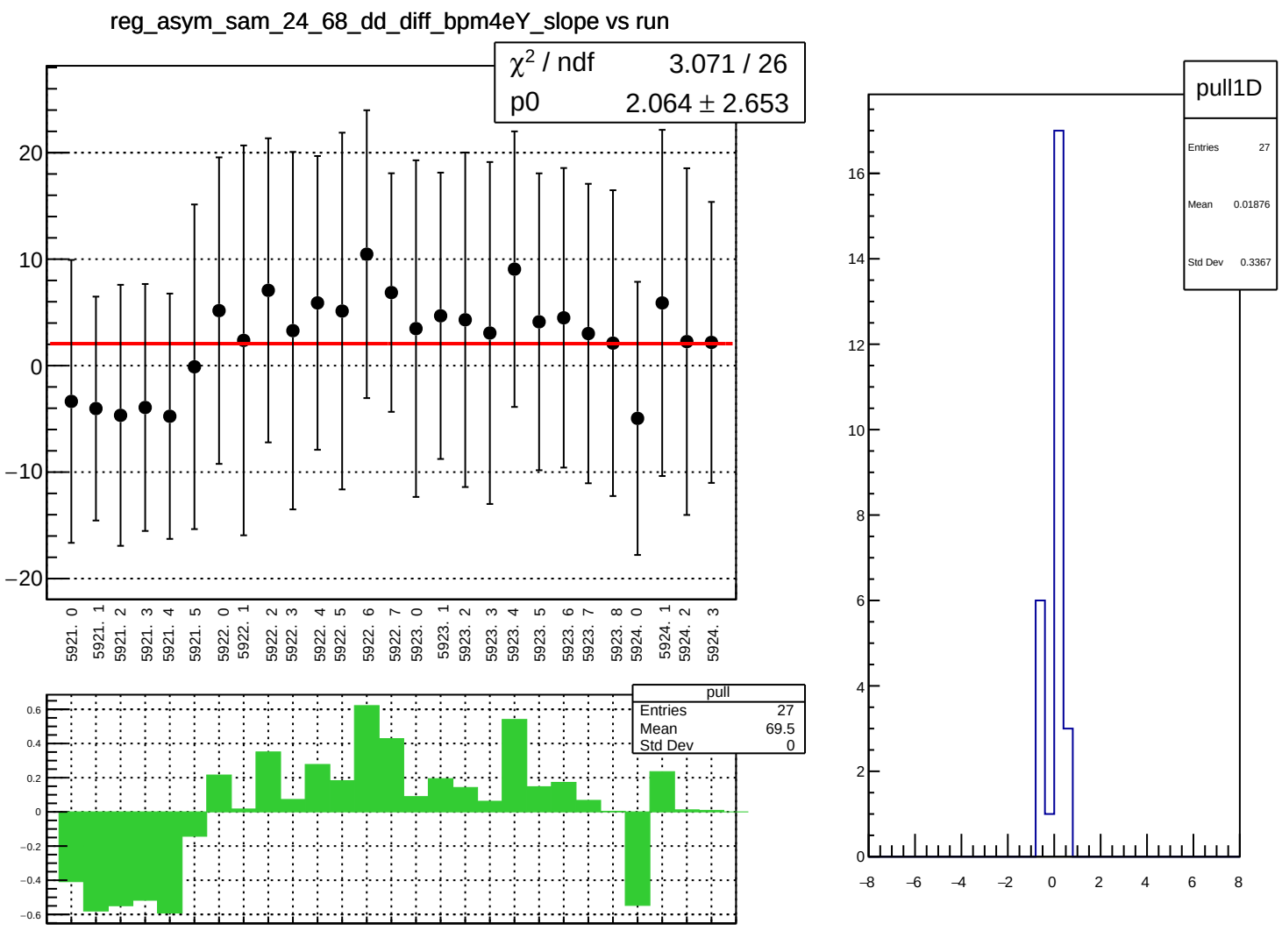

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 1.142 / 26
p0 0.2591± 0.08137
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −204.6
Std Dev 0
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 27
Mean 0.004097
Std Dev 0.2056
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

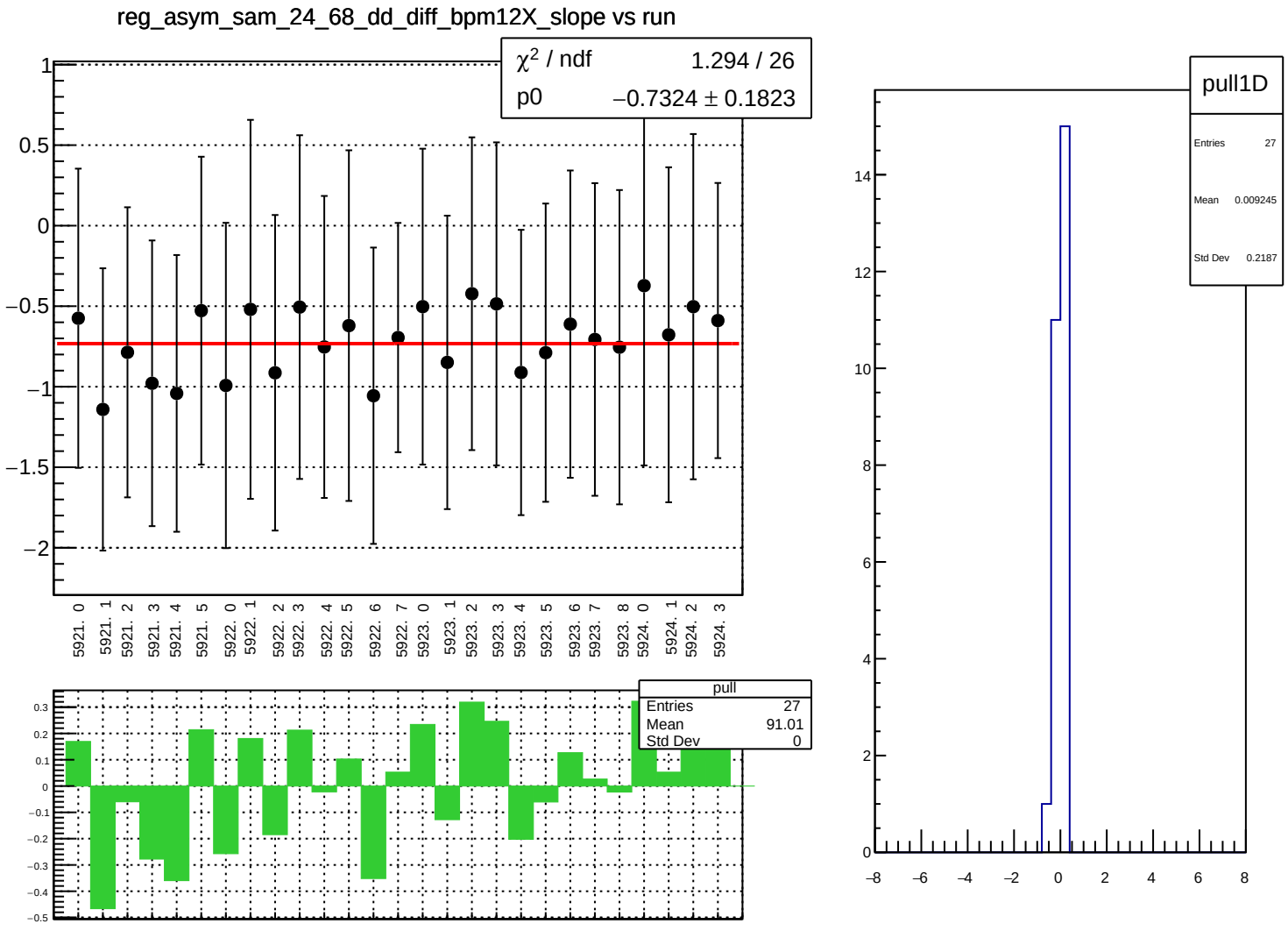

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 0.9799 / 26
p0 −19.81 ± 1.65
−5
−10
−15
−20
−25
−30
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 45.02
Std Dev 0
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4

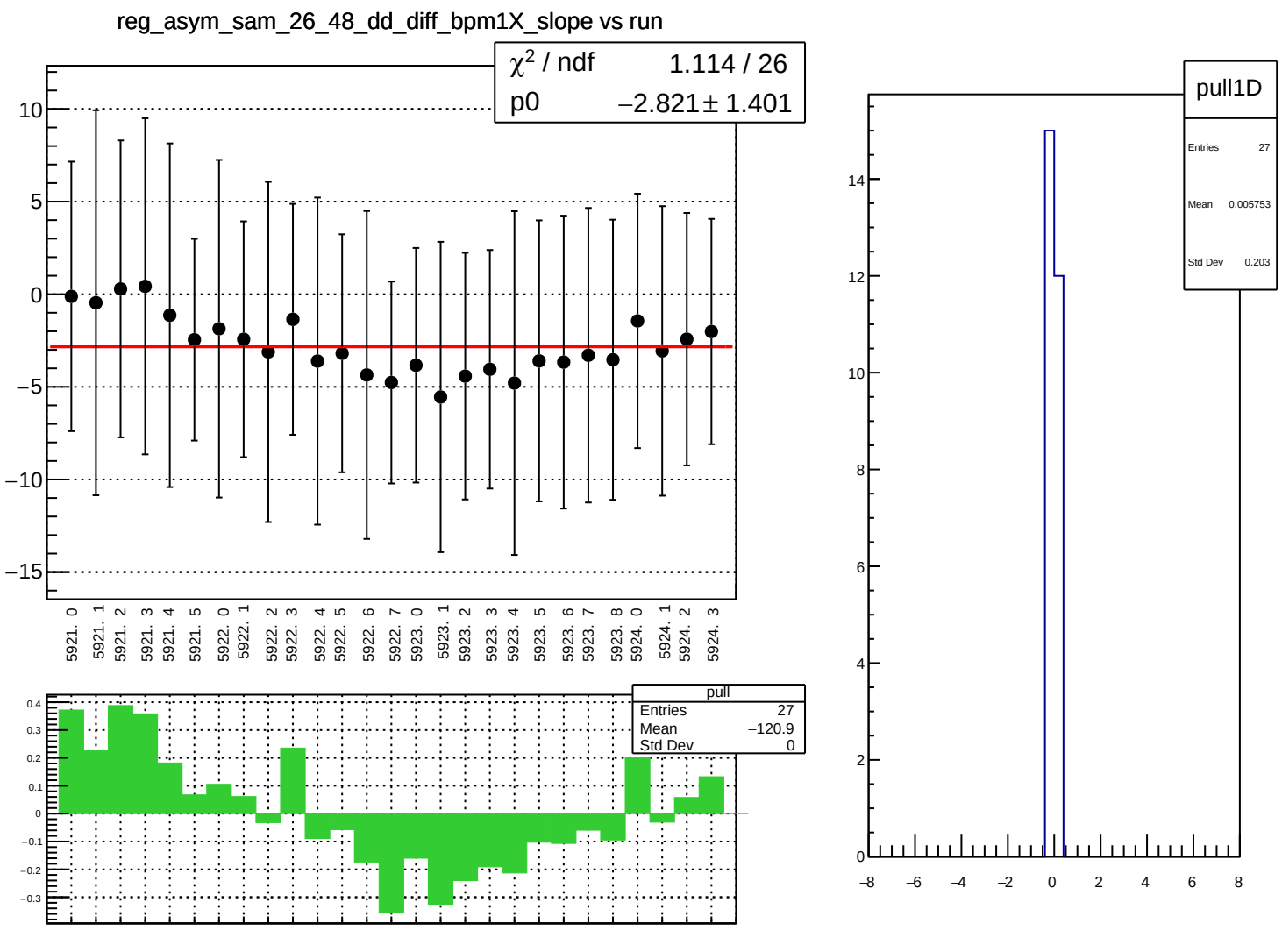

pull1D
Entries 27
Mean 0.01235
Std Dev 0.1901
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

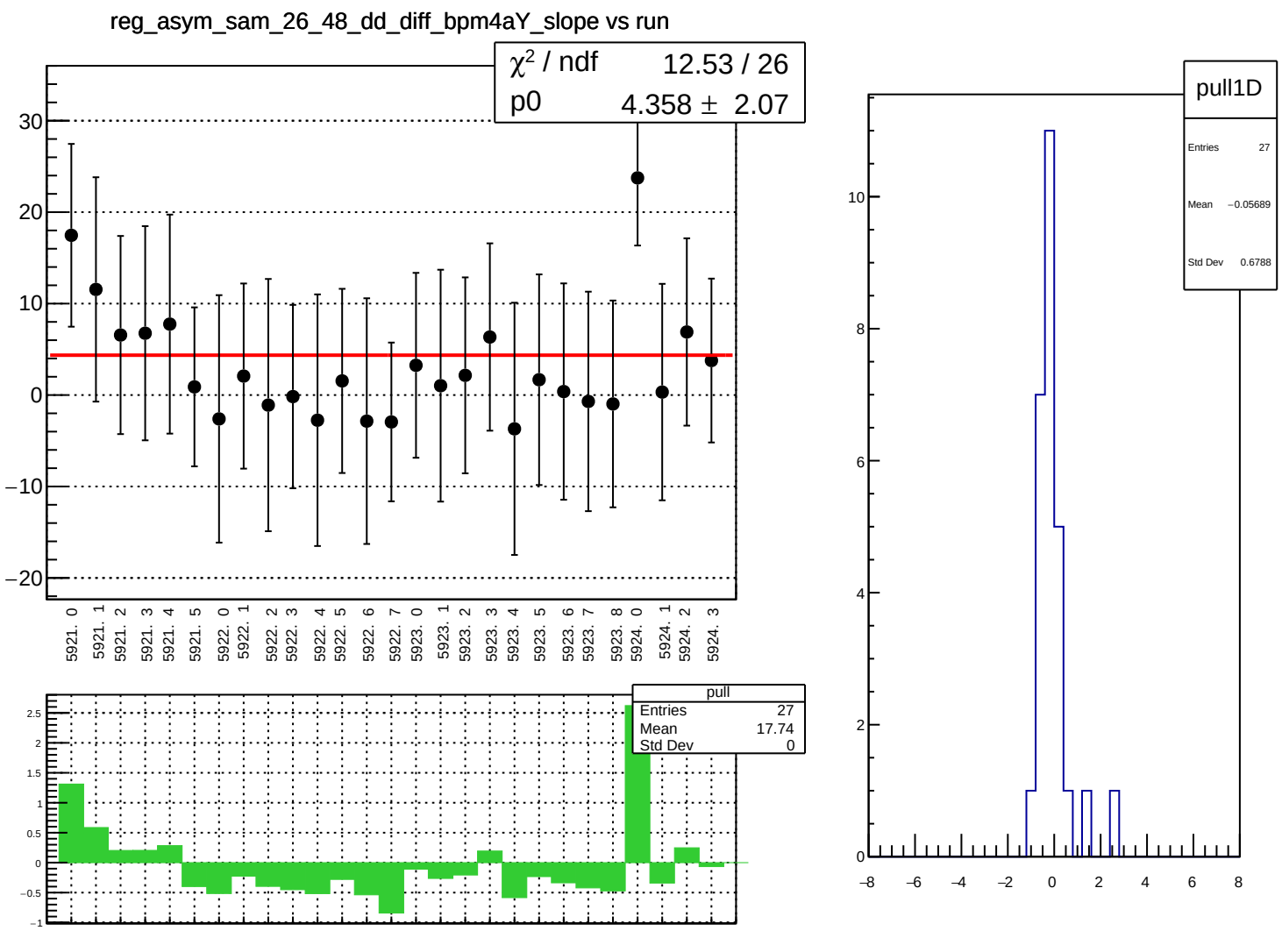

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.302 / 26
p0 −13.14 ± 2.408
pull
Entries 27
Mean 69.61
Std Dev 0
pull1D
Entries 27
Mean −0.01887
Std Dev 0.3492

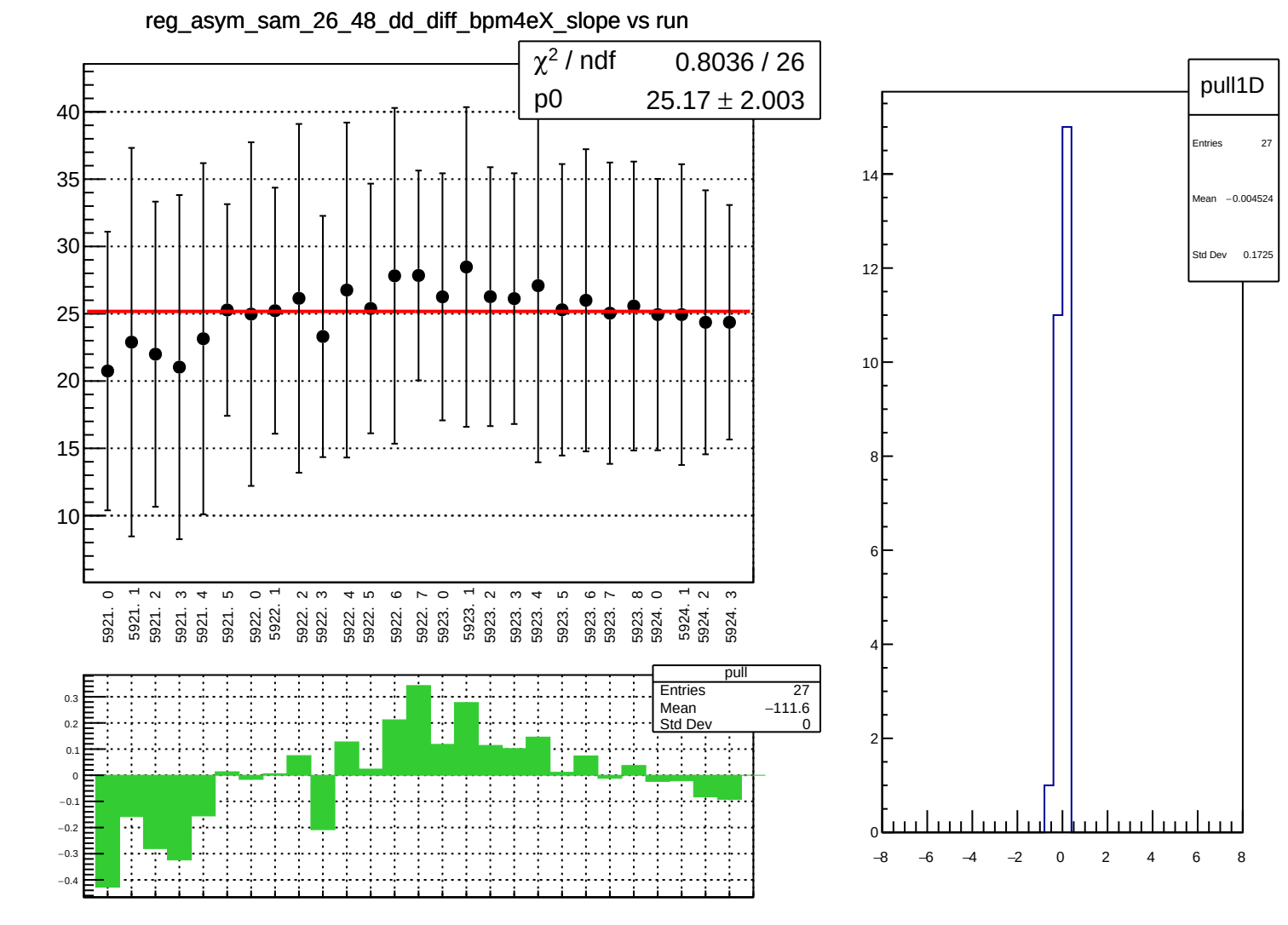

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.953 / 26
p0 −85.77 ± 2.348
−70
−75
−80
−85
−90
−95
−100
−105
−110
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 42.03
Std Dev 0
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 27
Mean −0.01396
Std Dev 0.1874
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

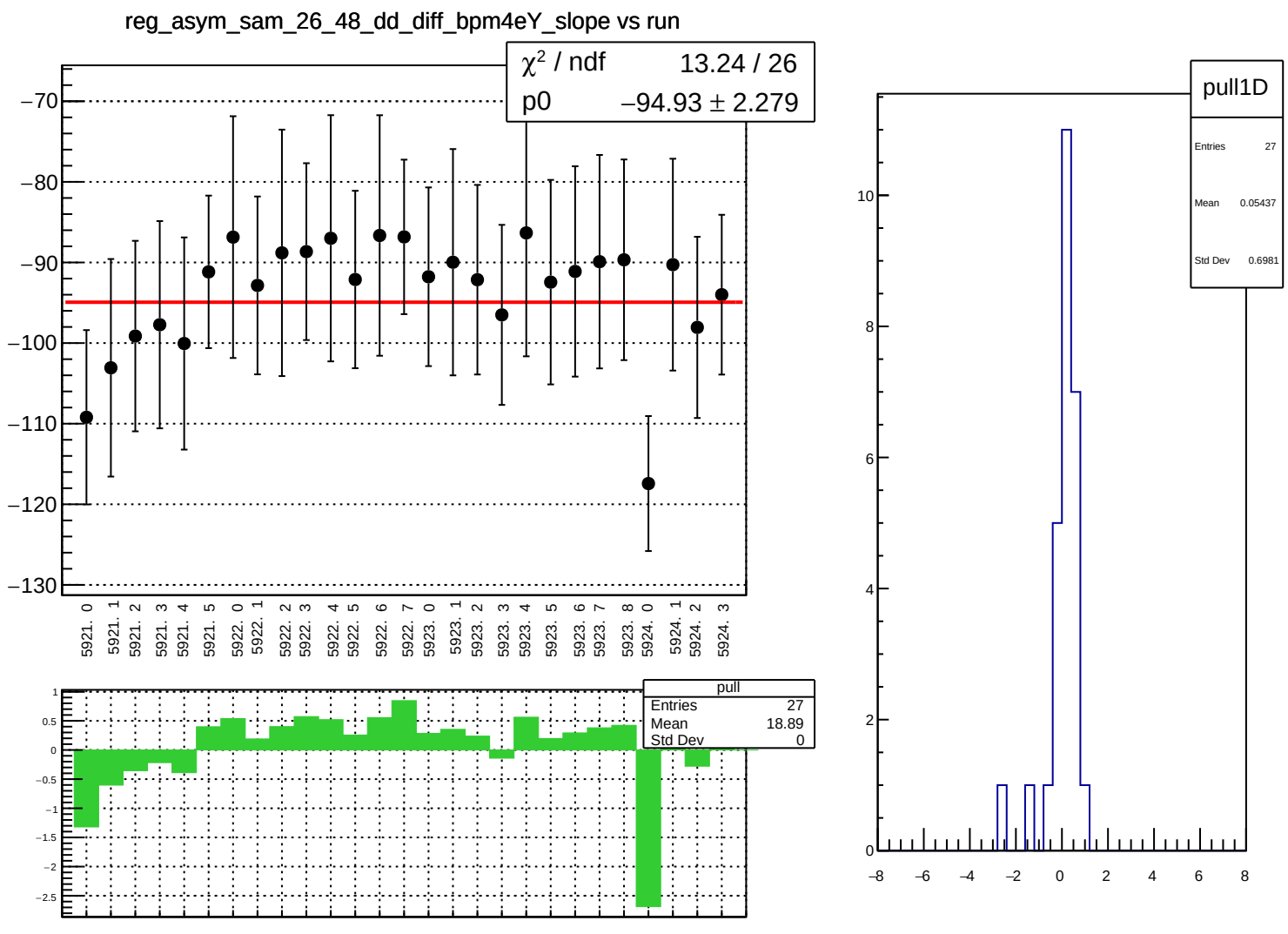

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.071 / 26
p0 2.064 ± 2.653
20
10
0
−10
−20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 69.5
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 27
Mean 0.01876
Std Dev 0.3367
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

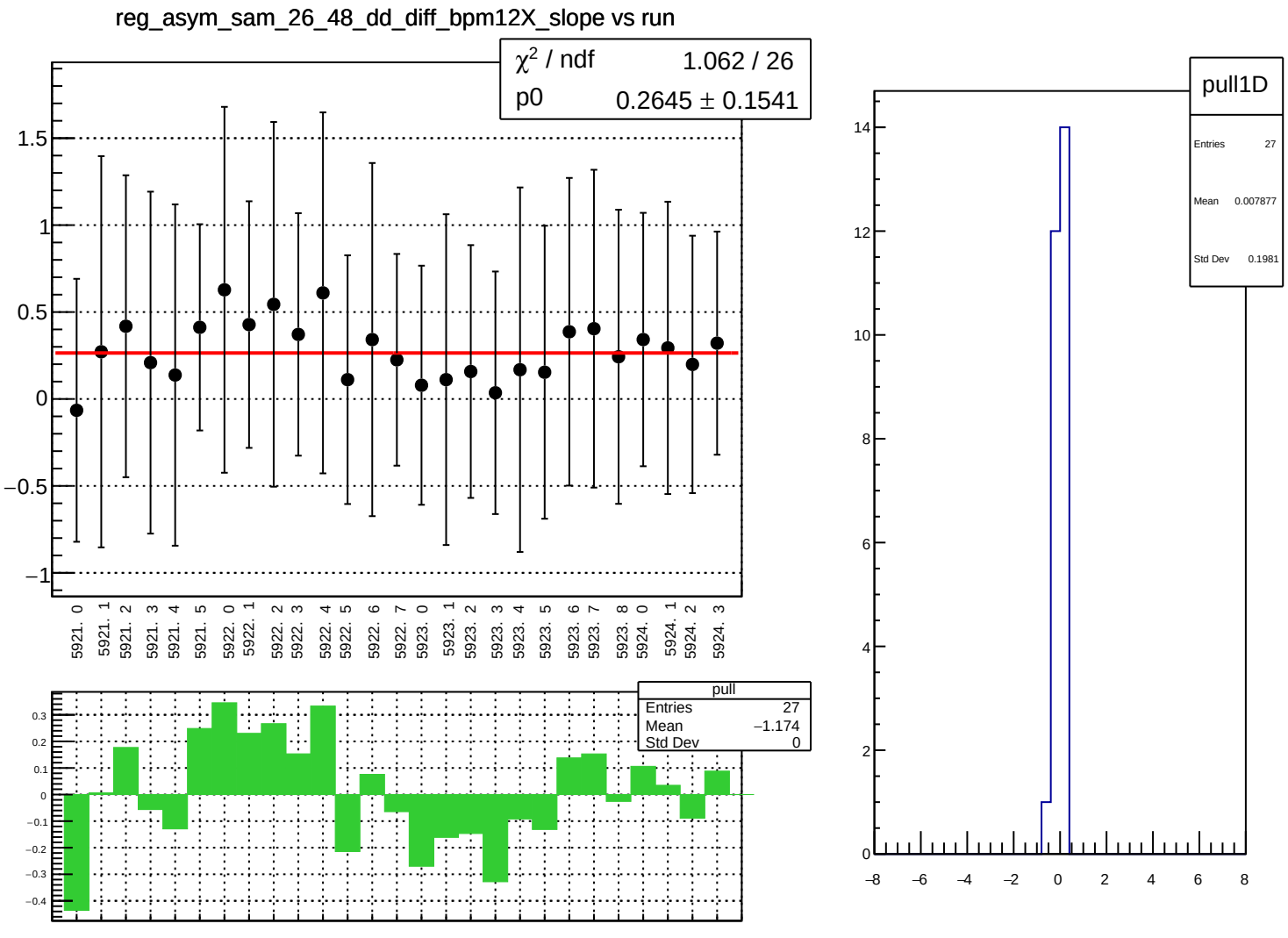

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 1.294 / 26
p0 −0.7324 ± 0.1823
1
0.5
0
−0.5
−1
−1.5
−2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 91.01
Std Dev 0
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
pull1D
Entries 27
Mean 0.009245
Std Dev 0.2187
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

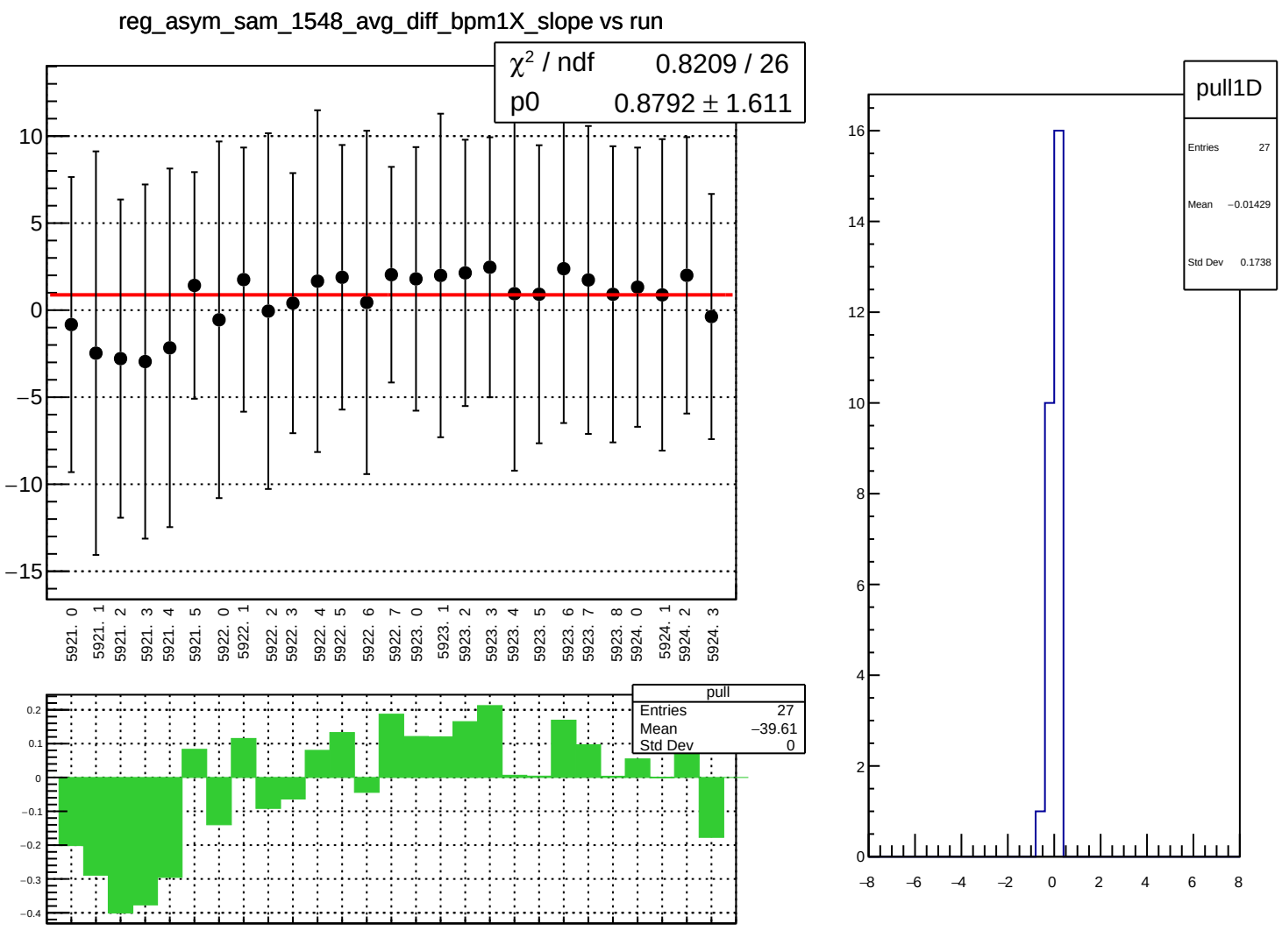

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 1.114 / 26
p0 −2.821 ± 1.401
10
5
0
−5
−10
−15
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −120.9
Std Dev 0
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 27
Mean 0.005753
Std Dev 0.203
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

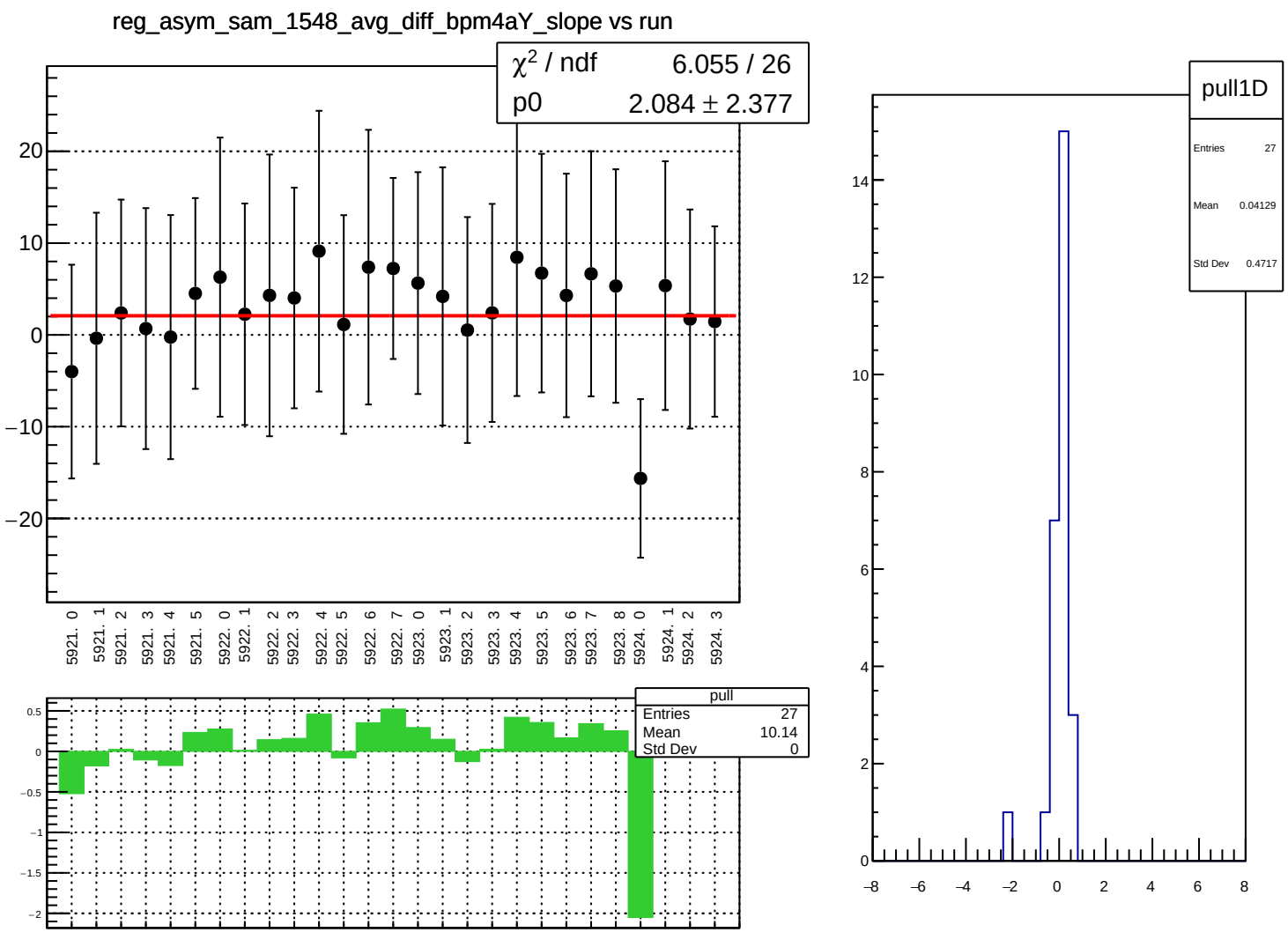

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.53 / 26
p0 4.358 ± 2.07
30
20
10
0
−10
−20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 17.74
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 27
Mean −0.05689
Std Dev 0.6788
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

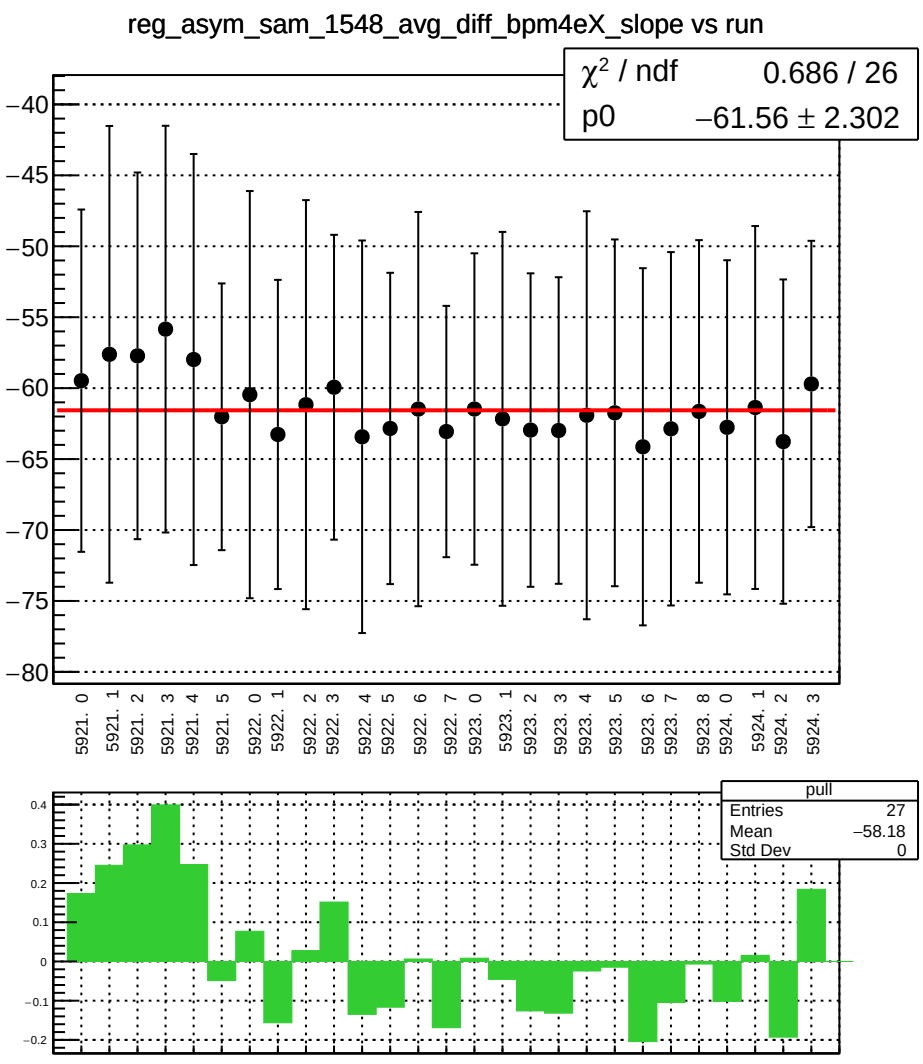

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.8036 / 26
p0 25.17 ± 2.003
40
35
30
25
20
15
10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −111.6
Std Dev 0
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
pull1D
Entries 27
Mean −0.004524
Std Dev 0.1725
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

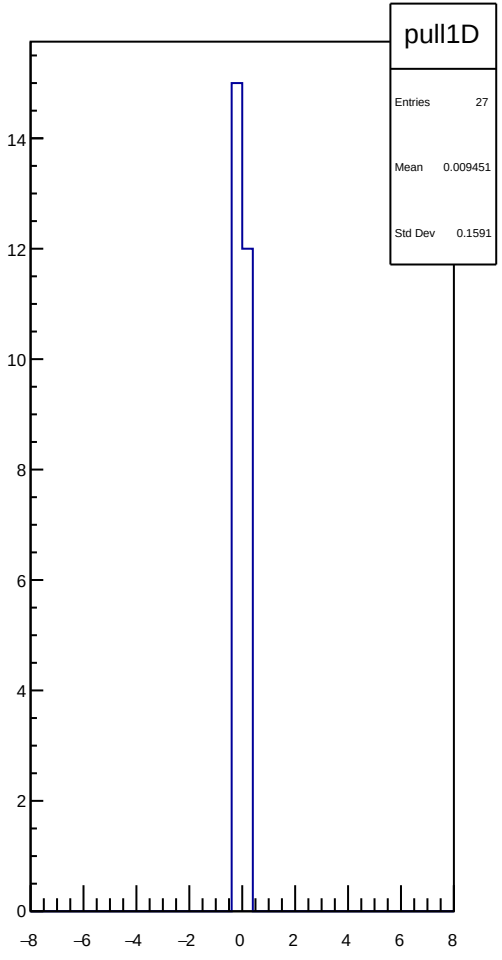

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 13.24 / 26
p0 −94.93 ± 2.279
−70
−80
−90
−100
−110
−120
−130
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 18.89
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean 0.05437
Std Dev 0.6981
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

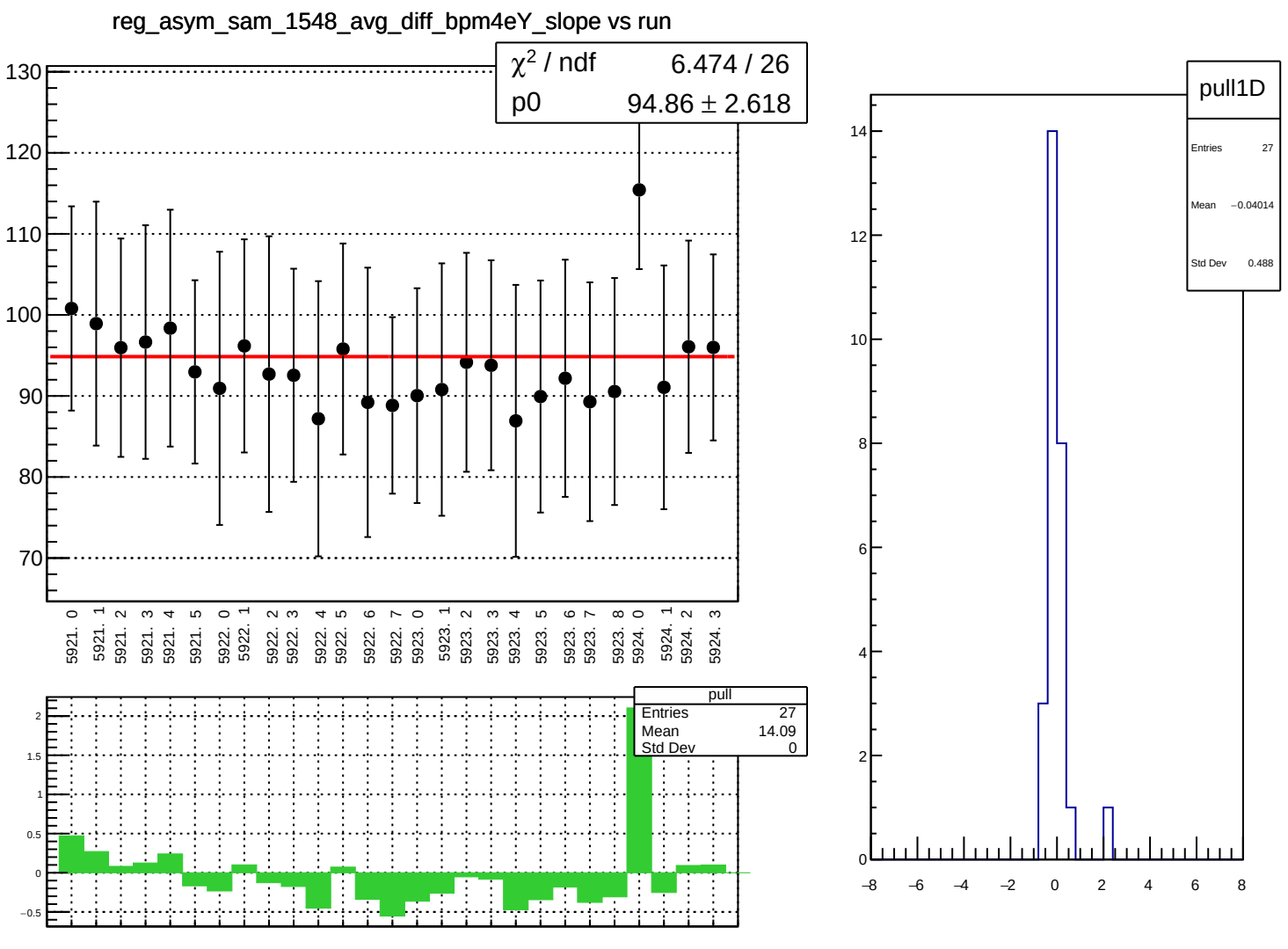

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 1.062 / 26
p0 0.2645 ± 0.1541
1.5
1
0.5
0
−0.5
−1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −1.174
Std Dev 0
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
pull1D
Entries 27
Mean 0.007877
Std Dev 0.1981
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

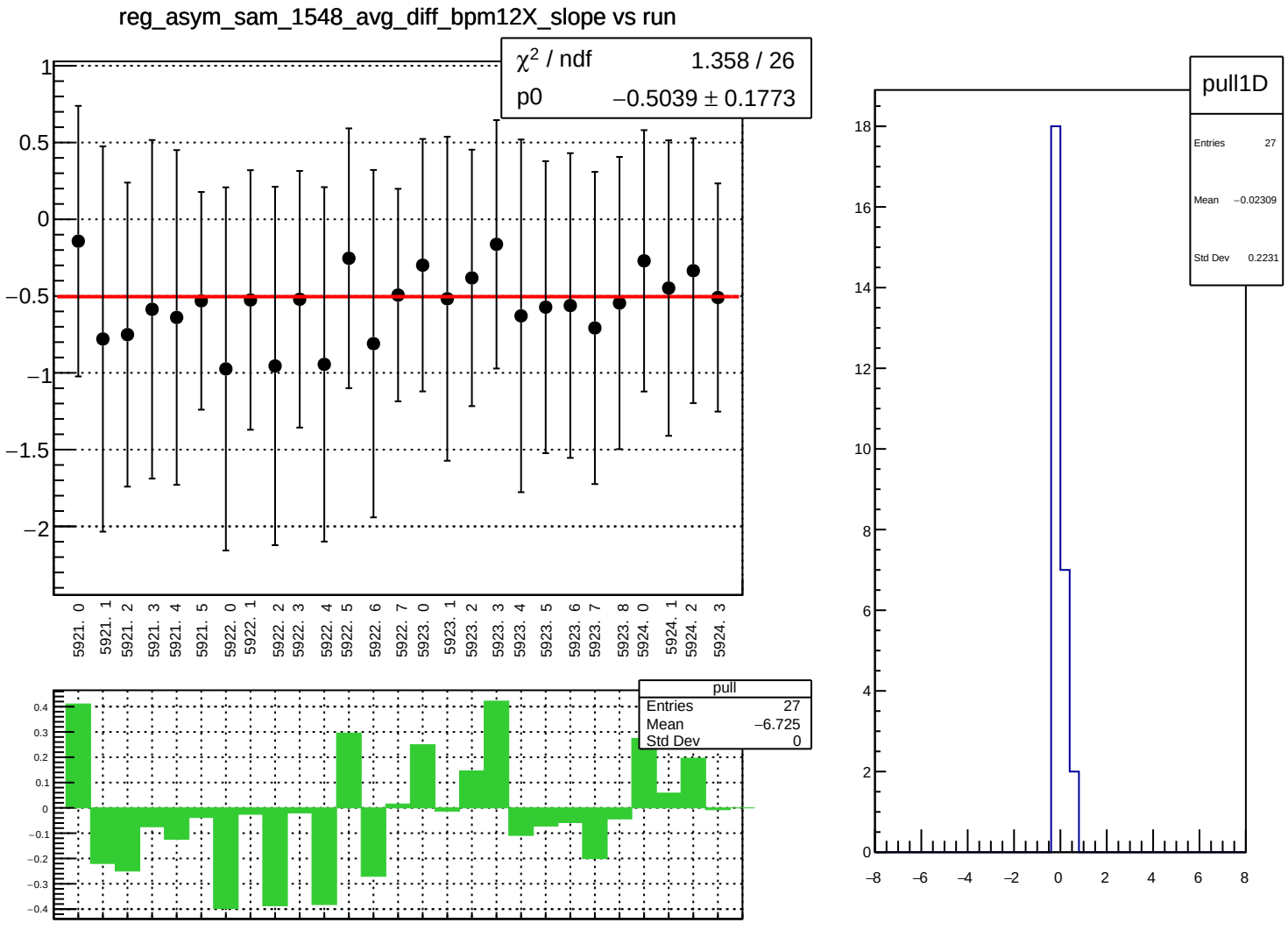

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 0.8209 / 26
p0 0.8792 ± 1.611
10
5
0
−5
−10
−15
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −39.61
Std Dev 0
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
pull1D
Entries 27
Mean −0.01429
Std Dev 0.1738
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

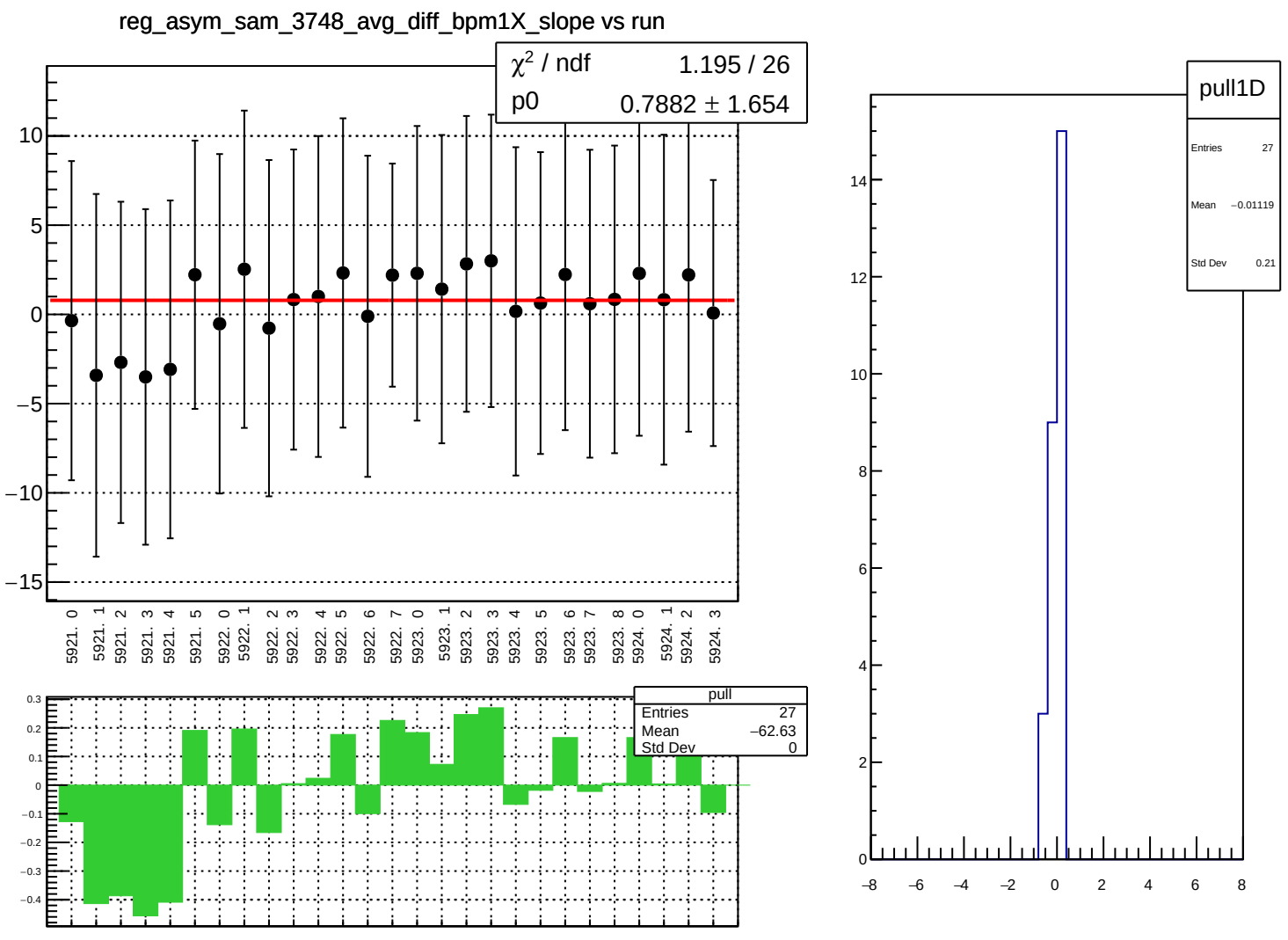

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.055 / 26
p0 2.084 ± 2.377
20
10
0
−10
−20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 10.14
Std Dev 0
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean 0.04129
Std Dev 0.4717
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

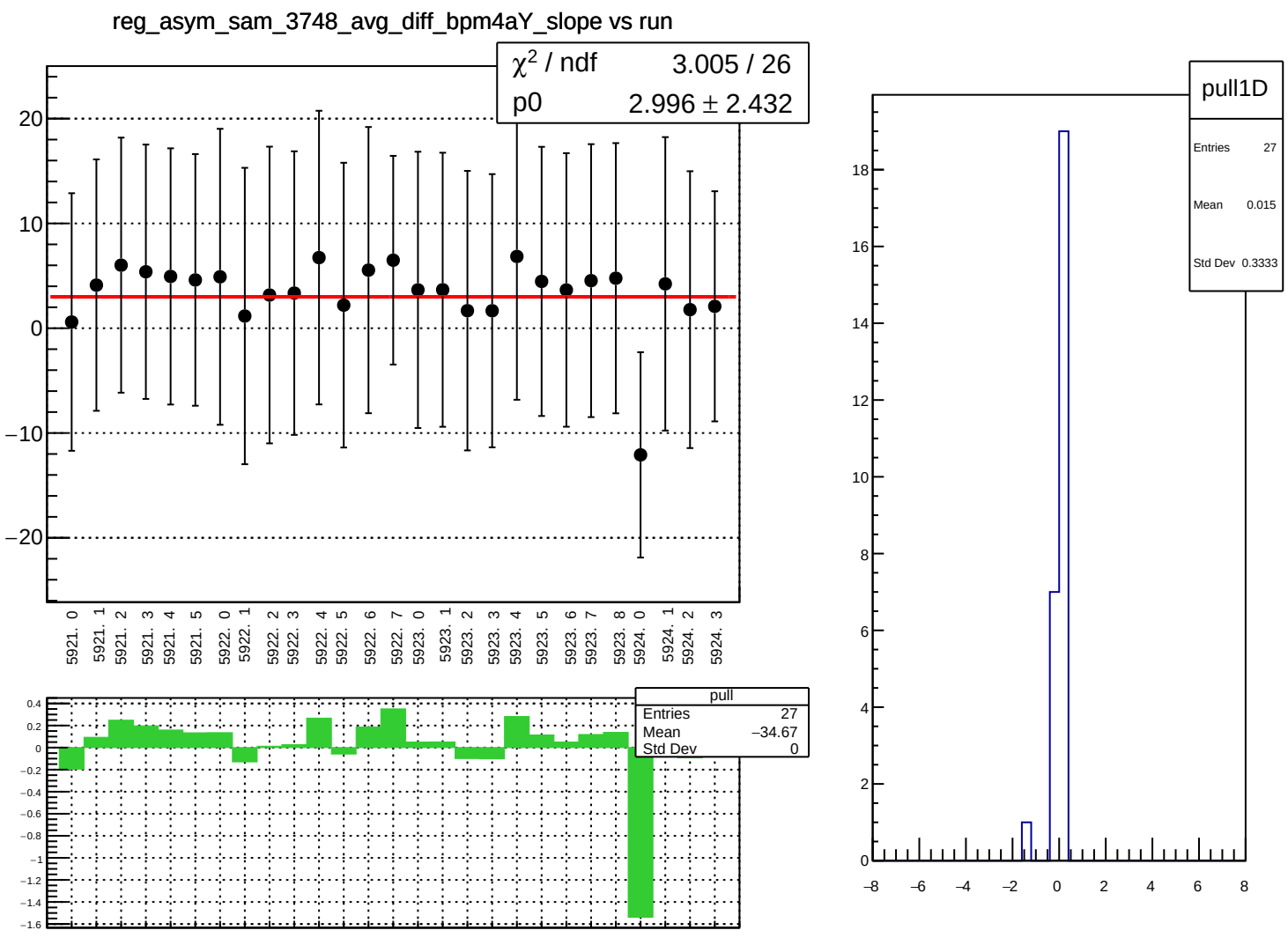

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 0.686 / 26
p0 −61.56 ± 2.302
−40
−45
−50
−55
−60
−65
−70
−75
−80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −58.18
Std Dev 0
0.4
0.3
0.2
0.1
0
−0.1
−0.2

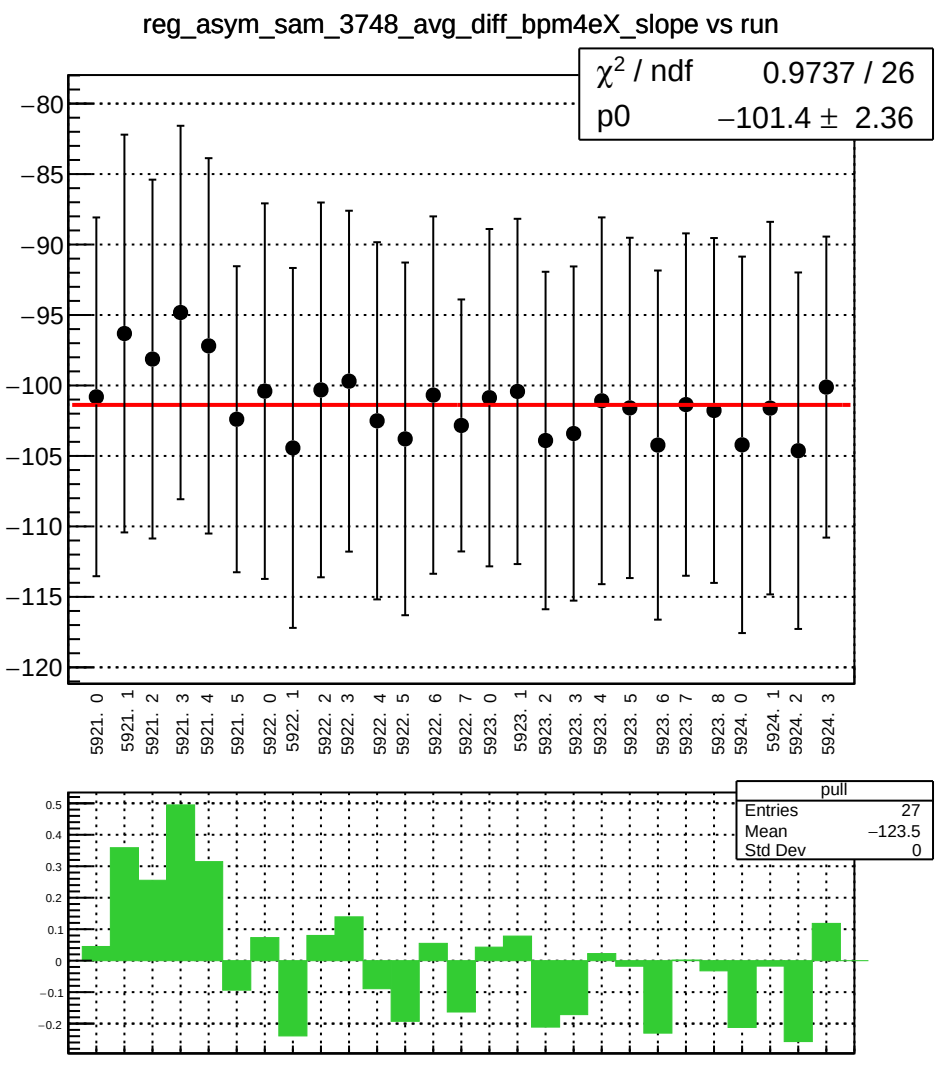

pull1D
Entries 27
Mean 0.009451
Std Dev 0.1591
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

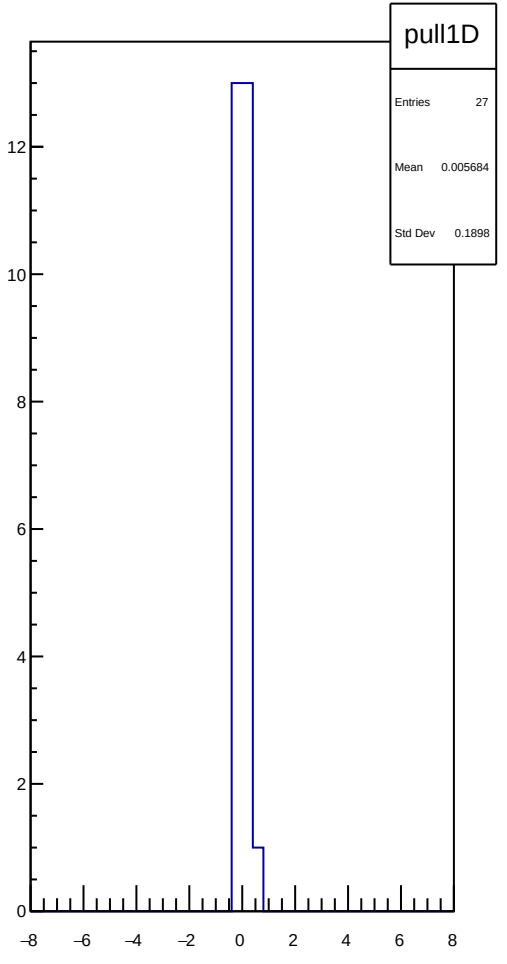

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.474 / 26
p0 94.86 ± 2.618
130
120
110
100
90
80
70
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 14.09
Std Dev 0
2
1.5
1
0.5
0
−0.5
pull1D
Entries 27
Mean −0.04014
Std Dev 0.488
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

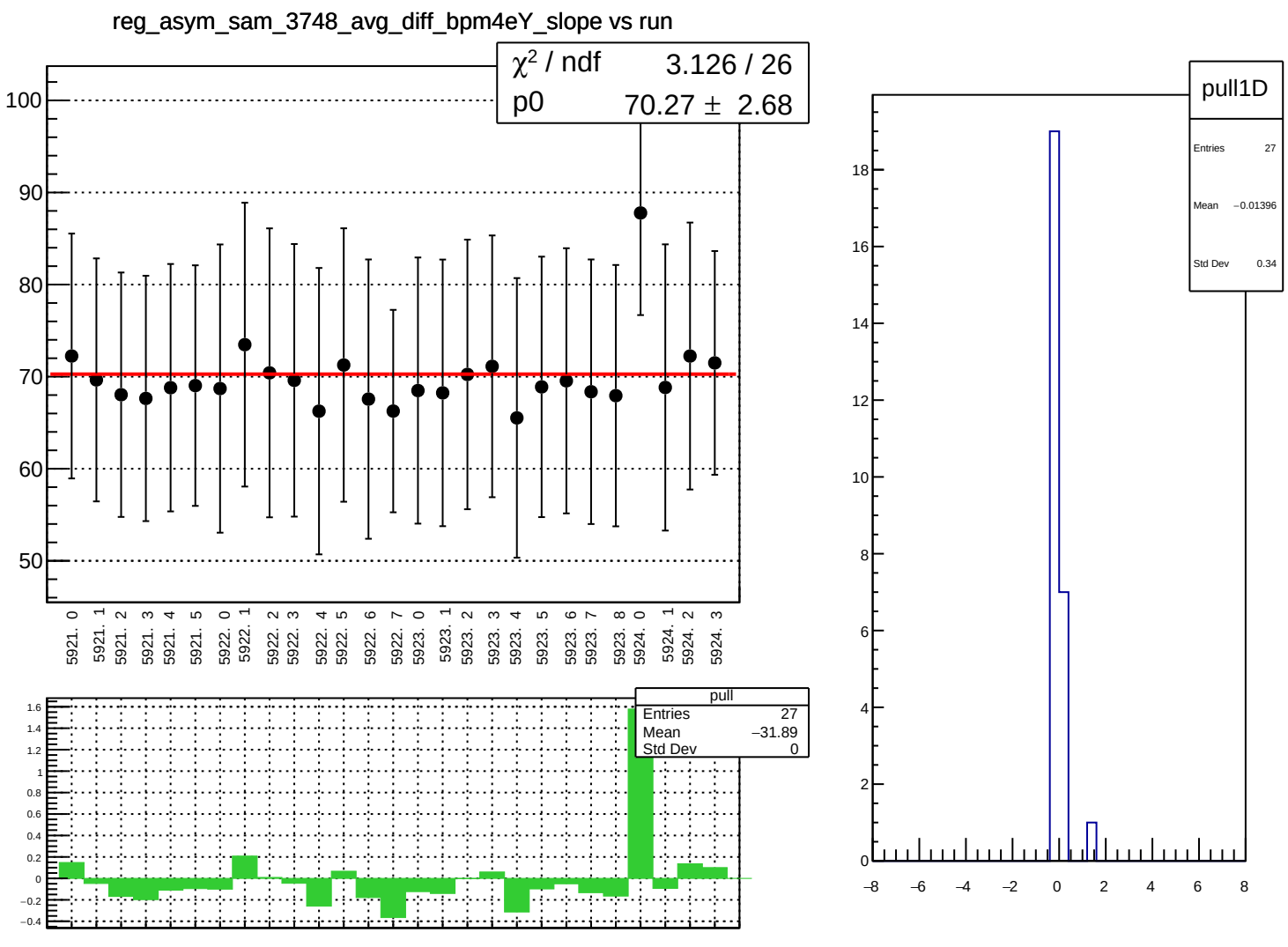

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 1.358 / 26
p0 −0.5039 ± 0.1773
1
0.5
0
−0.5
−1
−1.5
−2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −6.725
Std Dev 0
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
pull1D
Entries 27
Mean −0.02309
Std Dev 0.2231
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

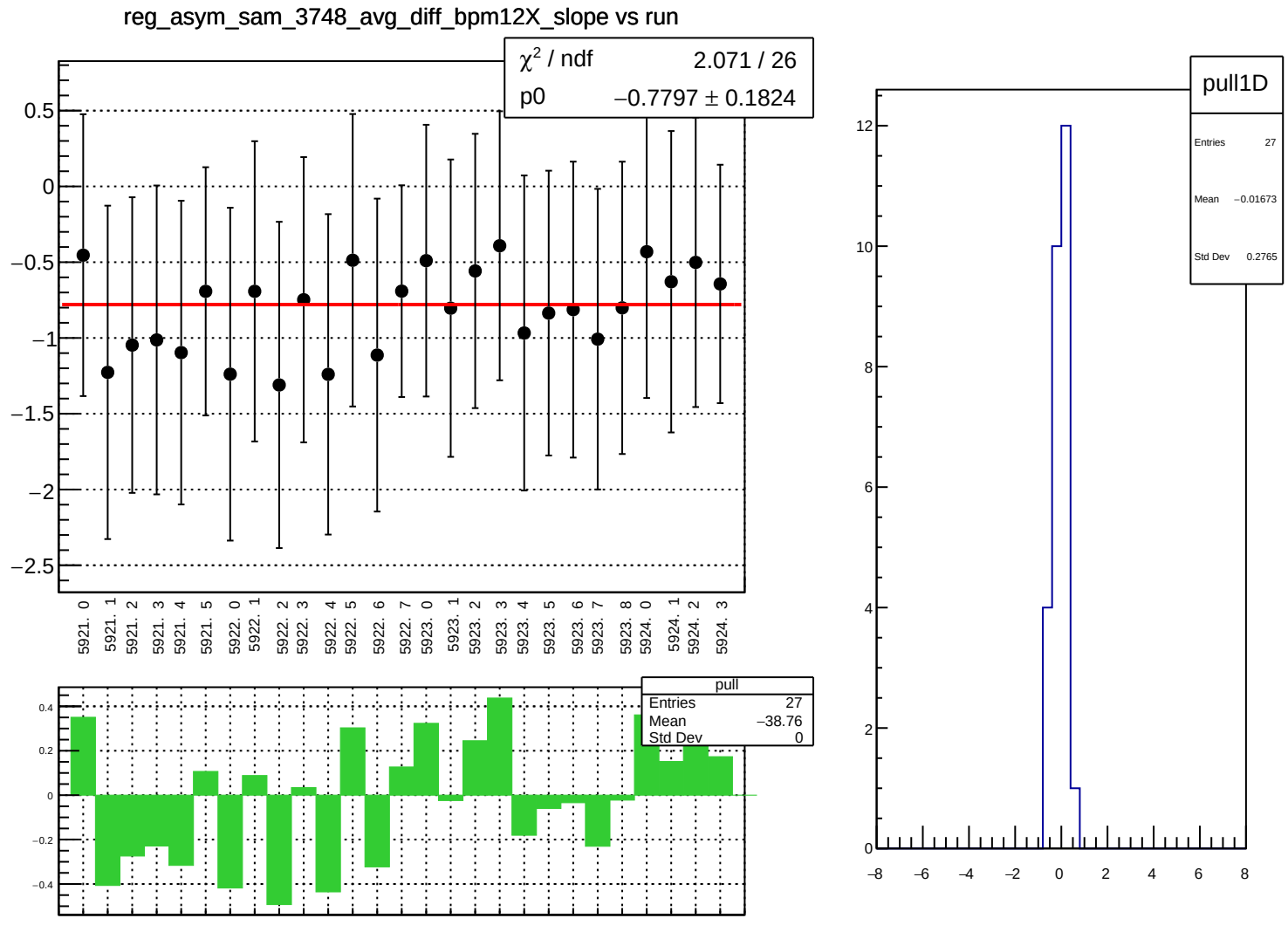

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 1.195 / 26
p0 0.7882 ± 1.654
10
5
0
−5
−10
−15
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −62.63
Std Dev 0
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
pull1D
Entries 27
Mean −0.01119
Std Dev 0.21
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

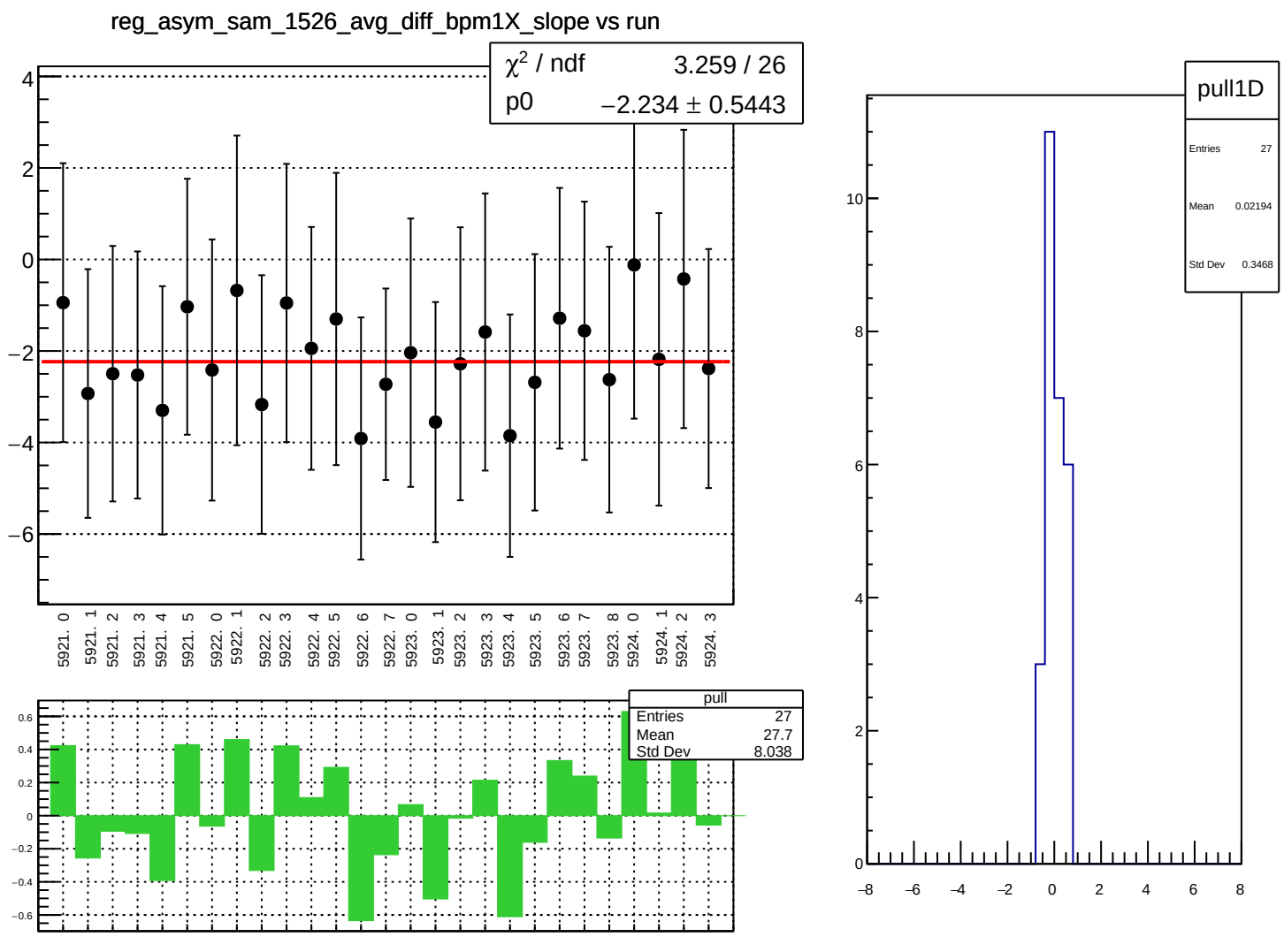

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.005 / 26
p0 2.996 ± 2.432
pull
Entries 27
Mean −34.67
Std Dev 0
pull1D
Entries 27
Mean 0.015
Std Dev 0.3333

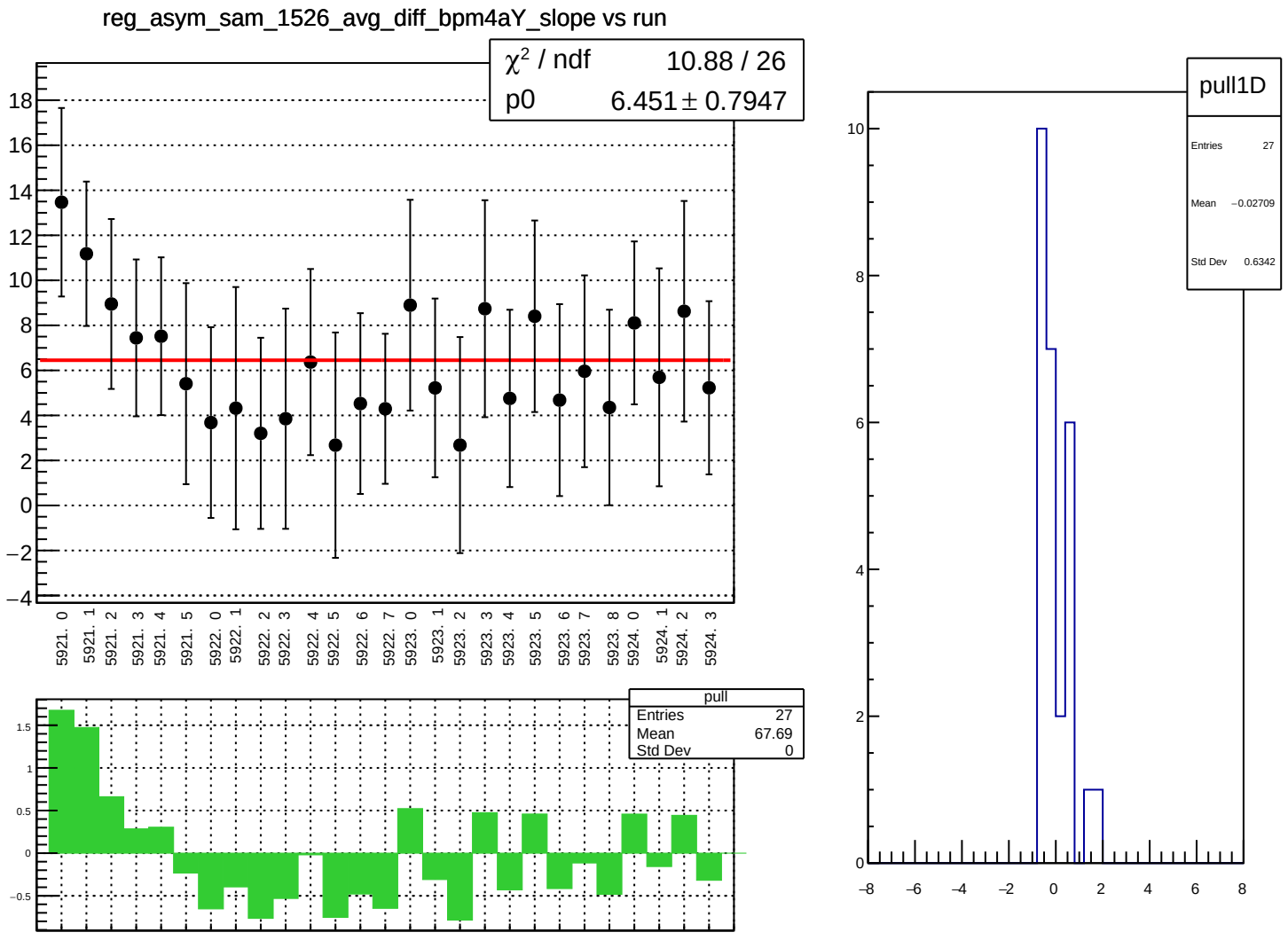

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 0.9737 / 26
p0 −101.4 ± 2.36
−80
−85
−90
−95
−100
−105
−110
−115
−120
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −123.5
Std Dev 0
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2

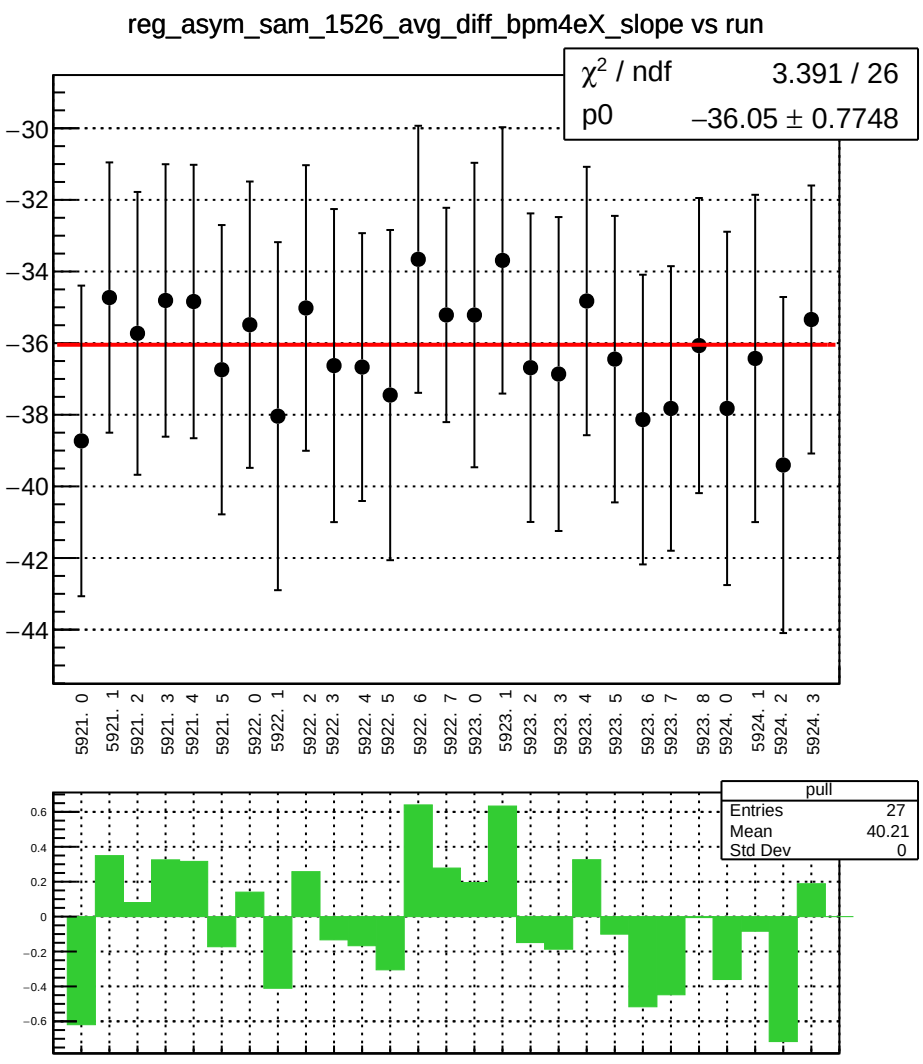

pull1D
Entries 27
Mean 0.005684
Std Dev 0.1898
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

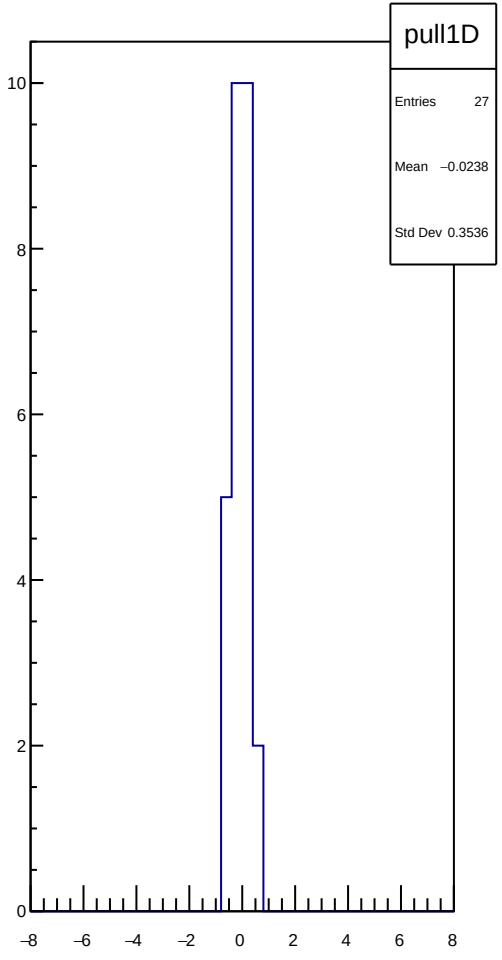

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.126 / 26
p0 70.27 ± 2.68
100
90
80
70
60
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −31.89
Std Dev 0
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 27
Mean −0.01396
Std Dev 0.34
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

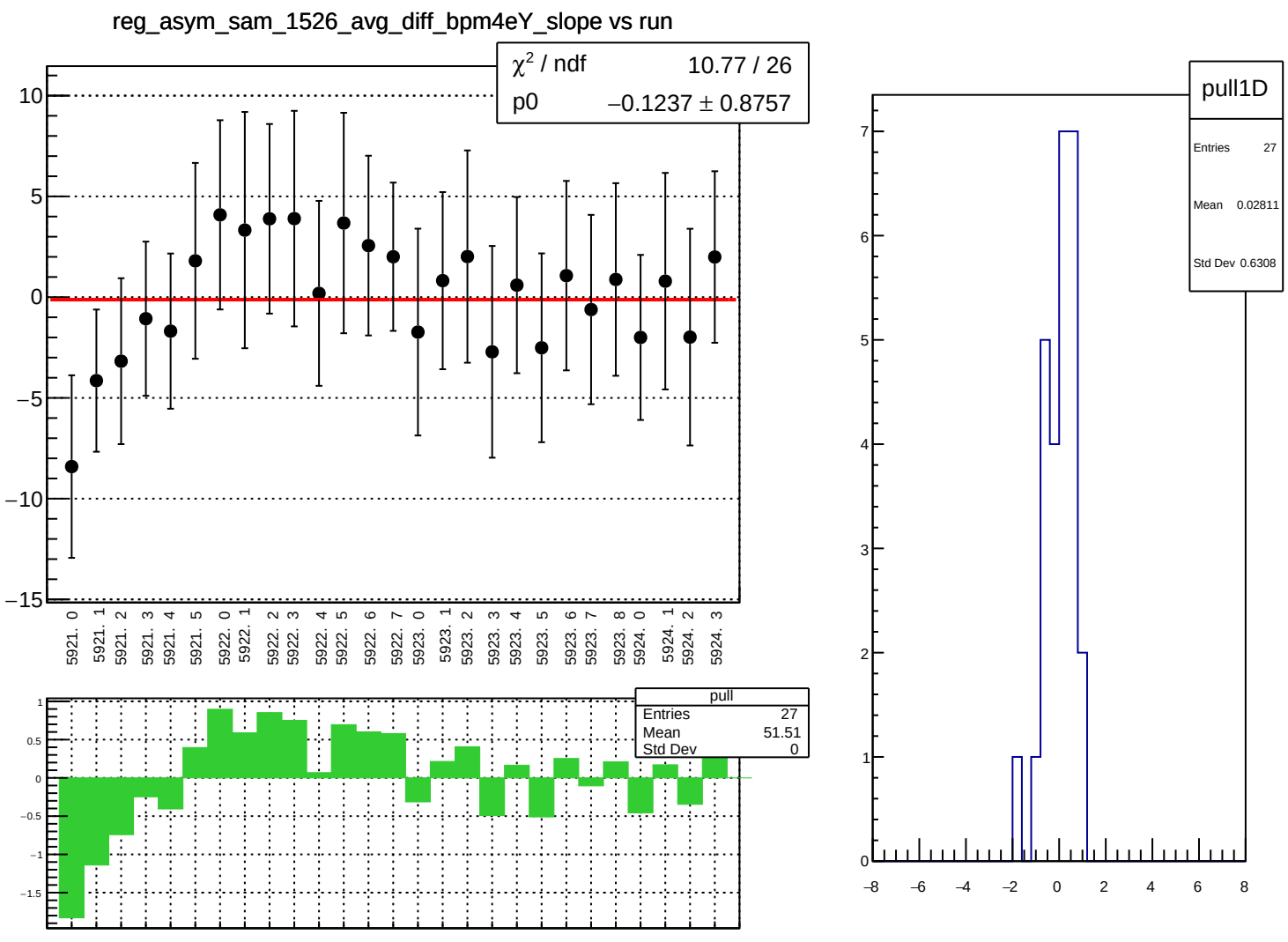

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 2.071 / 26
p0 −0.7797 ± 0.1824
0.5
0
−0.5
−1
−1.5
−2
−2.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −38.76
Std Dev 0
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 27
Mean −0.01673
Std Dev 0.2765
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

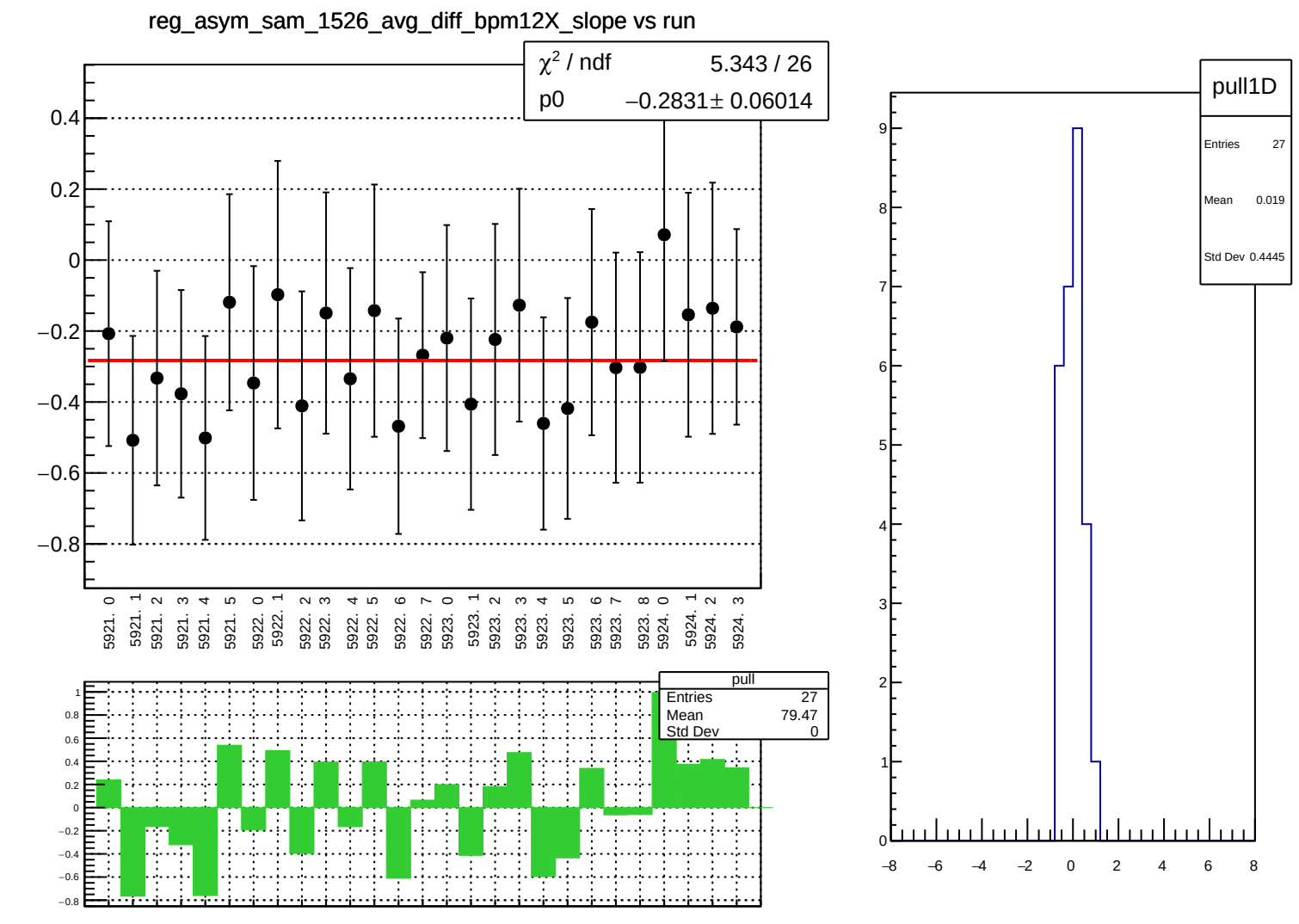

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 3.259 / 26
p0 −2.234 ± 0.5443
4
2
0
−2
−4
−6
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 27.7
Std Dev 8.038
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 27
Mean 0.02194
Std Dev 0.3468
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

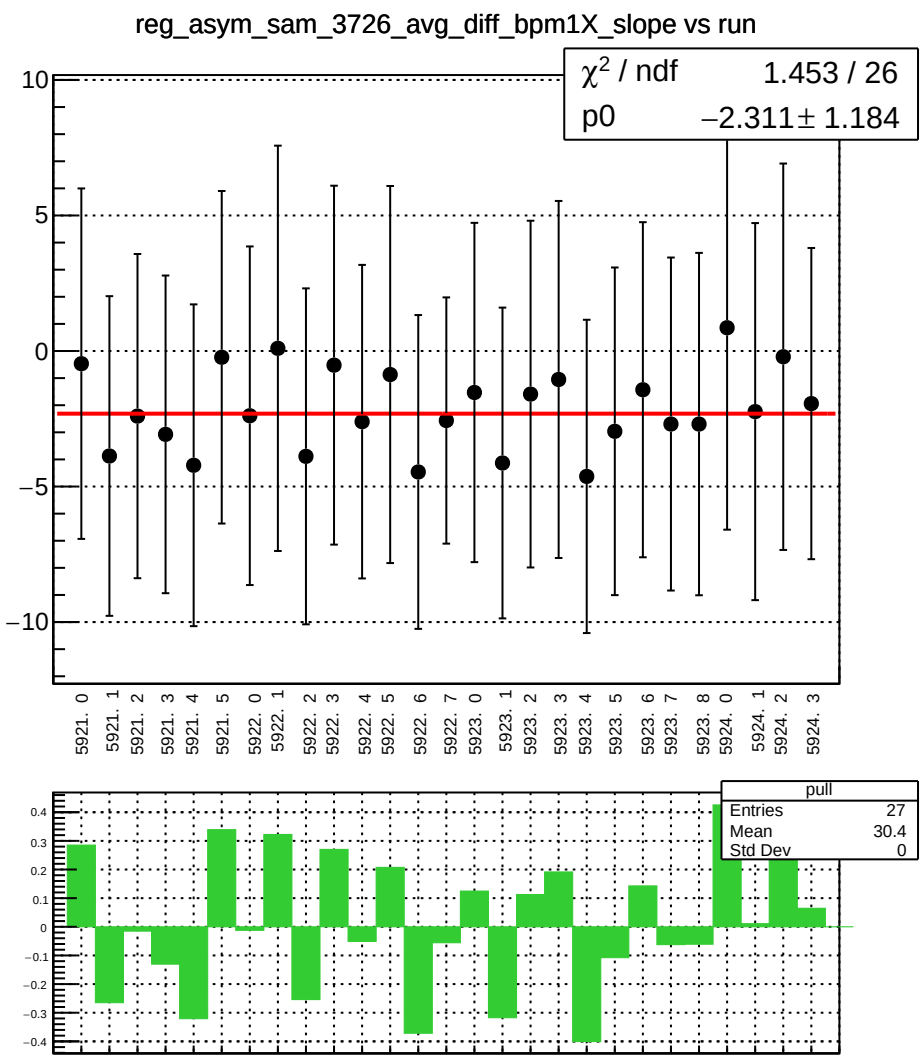

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.88 / 26
p0 6.451 ± 0.7947
pull
Entries 27
Mean 67.69
Std Dev 0
pull1D
Entries 27
Mean −0.02709
Std Dev 0.6342

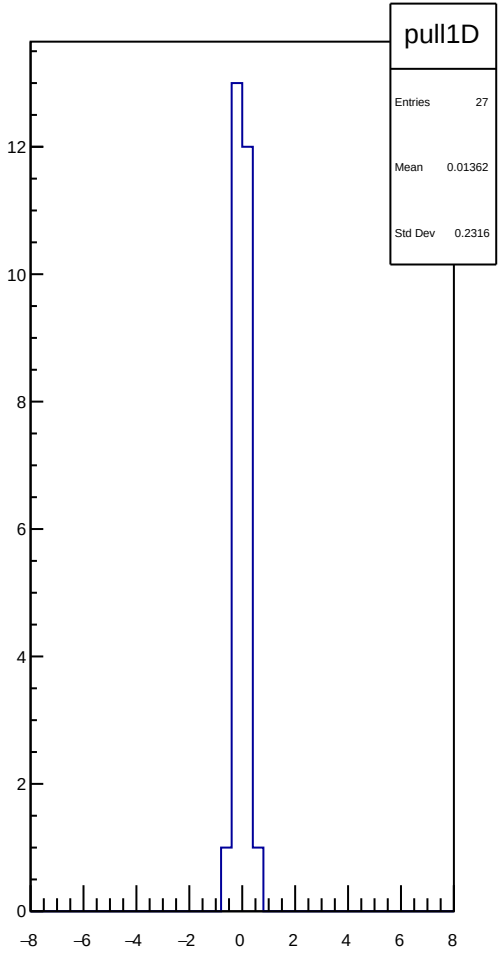

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.391 / 26
p0 −36.05 ± 0.7748
pull
Entries 27
Mean 40.21
Std Dev 0

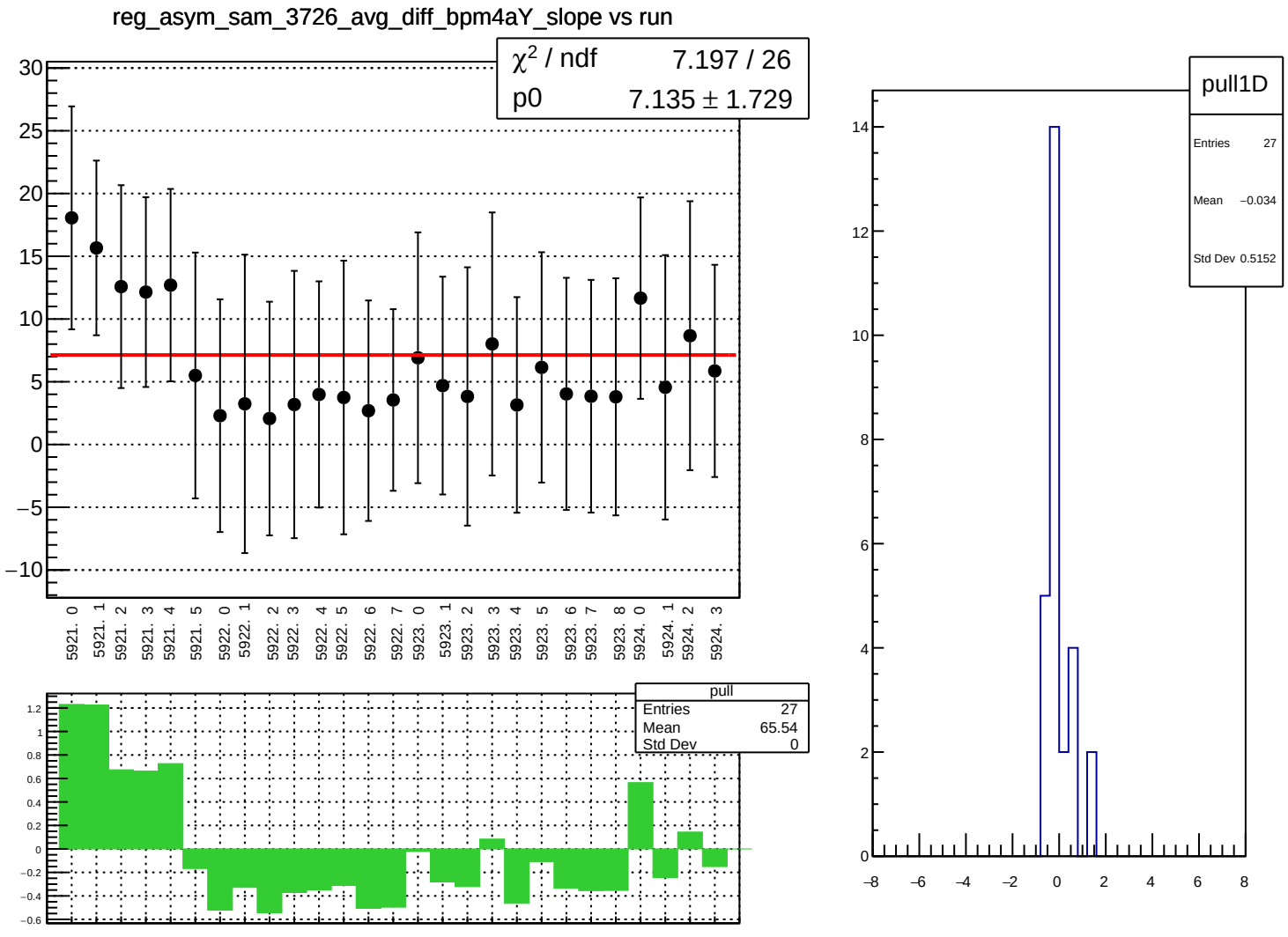

pull1D
Entries 27
Mean −0.0238
Std Dev 0.3536

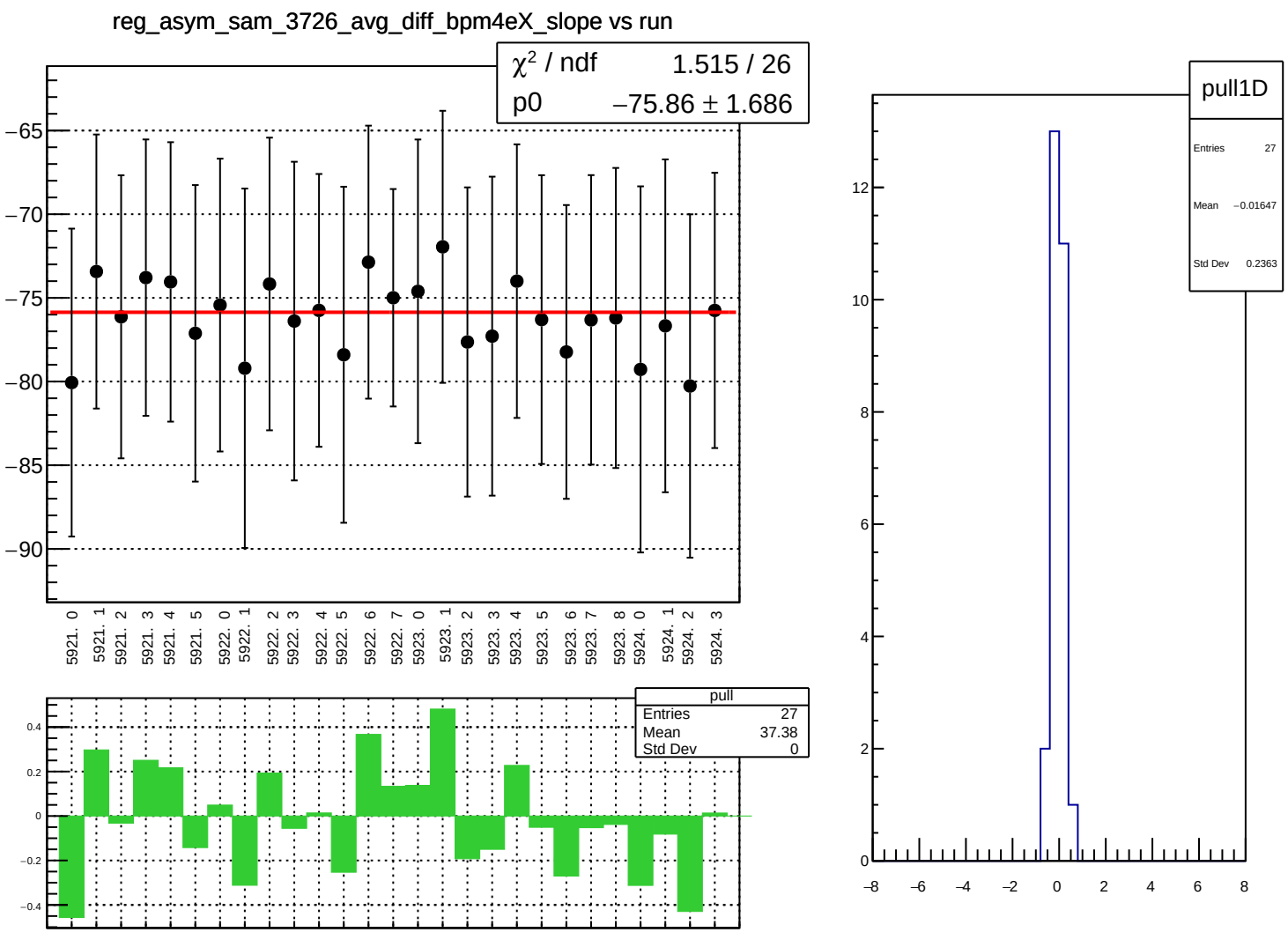

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.77 / 26
p0 −0.1237 ± 0.8757
10
5
0
−5
−10
−15
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 51.51
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.02811
Std Dev 0.6308
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

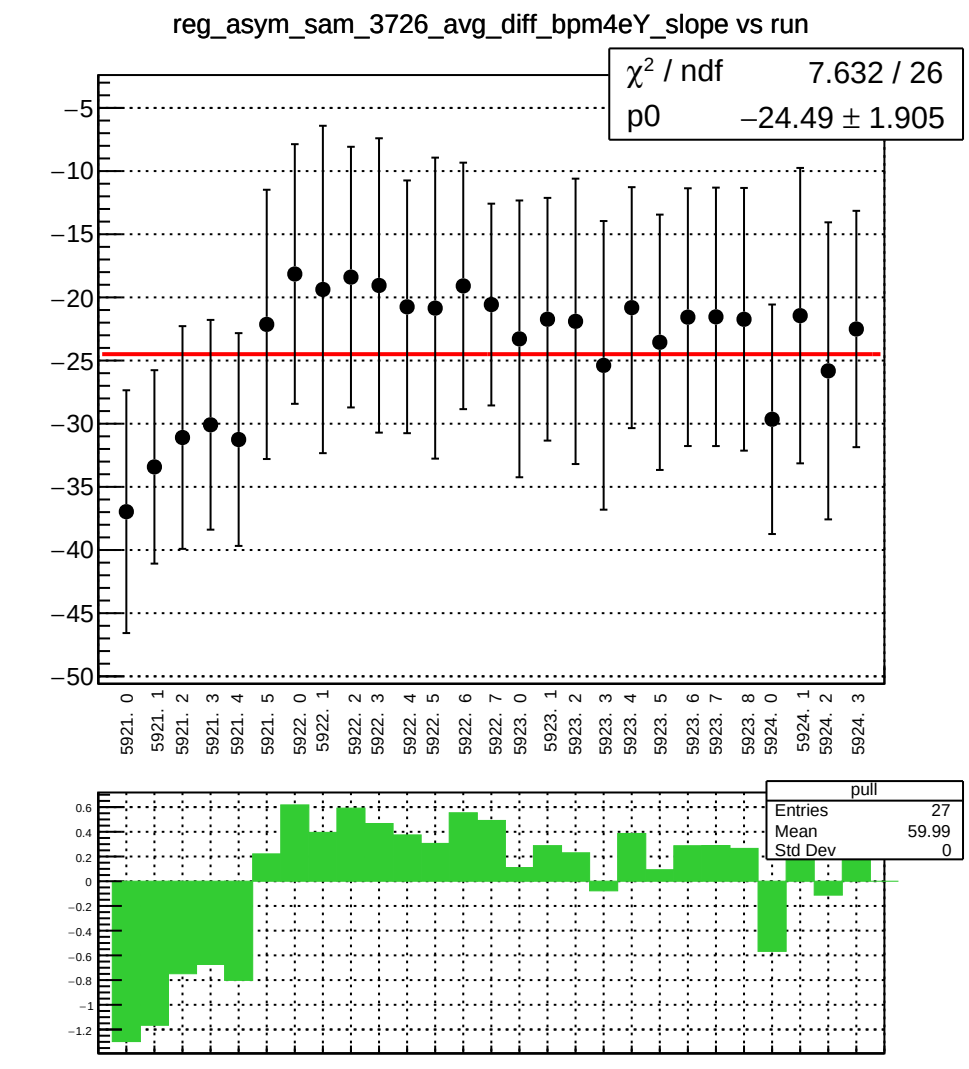

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 5.343 / 26
p0 −0.2831± 0.06014
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 79.47
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 27
Mean 0.019
Std Dev 0.4445
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

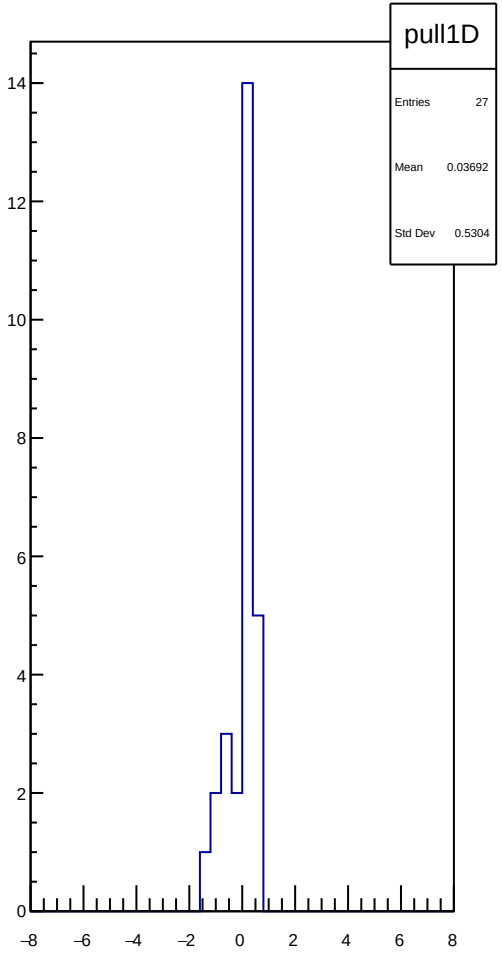

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 1.453 / 26
p0 −2.311 ± 1.184
10
5
0
−5
−10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 30.4
Std Dev 0
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4

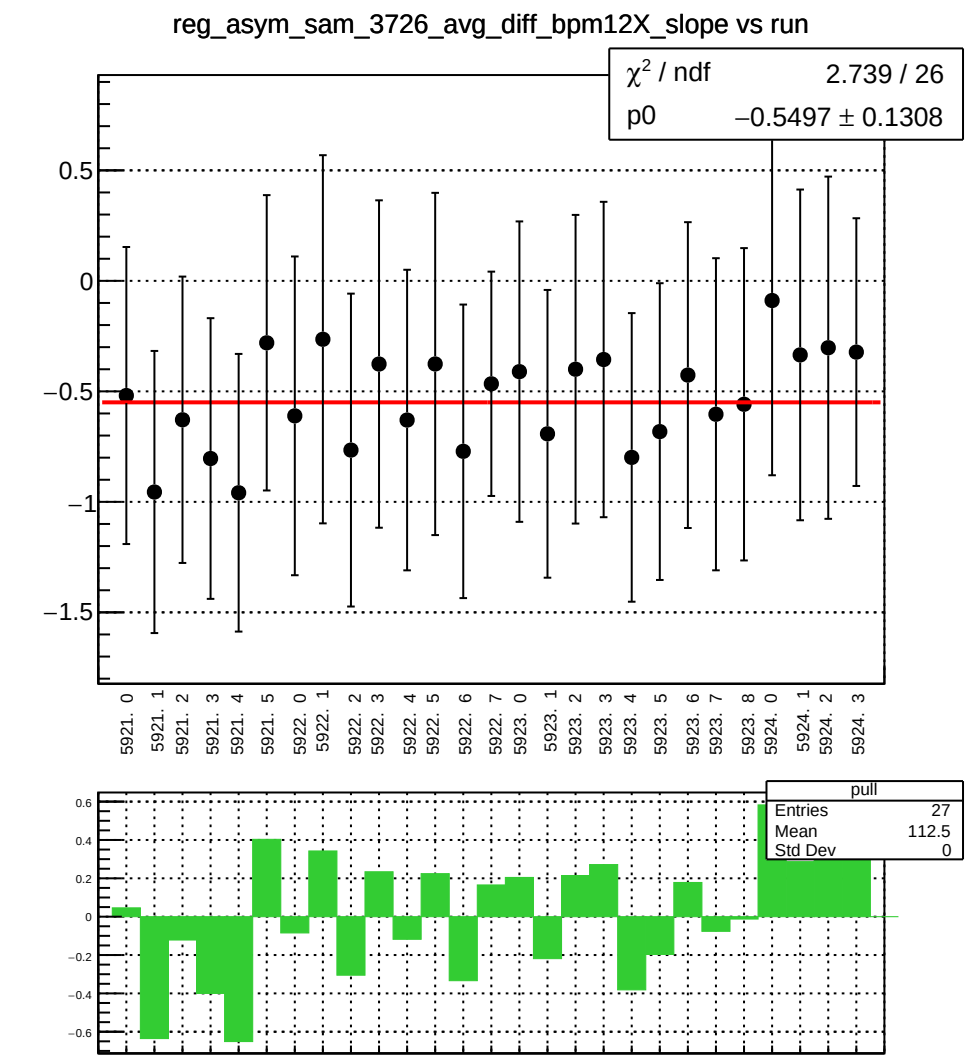

pull1D
Entries 27
Mean 0.01362
Std Dev 0.2316
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

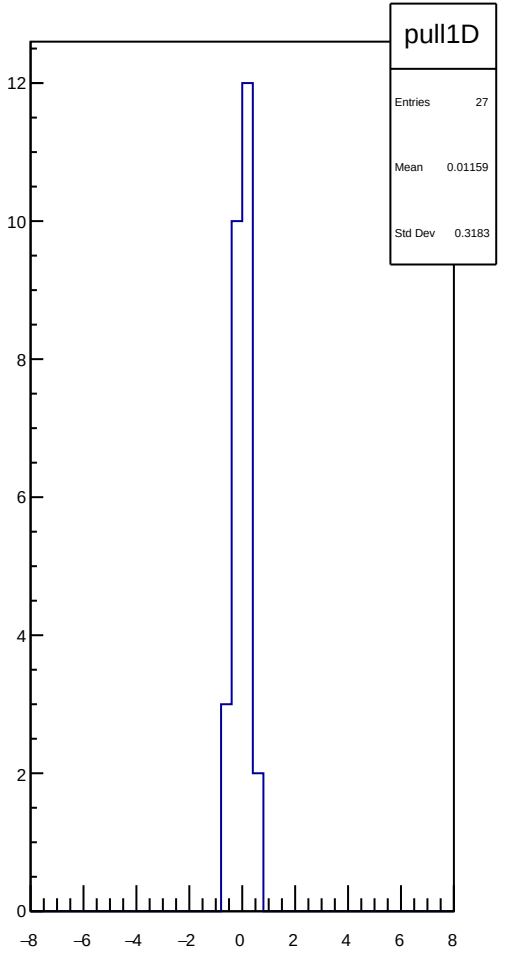

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.197 / 26
p0 7.135 ± 1.729
pull
Entries 27
Mean 65.54
Std Dev 0
pull1D
Entries 27
Mean −0.034
Std Dev 0.5152

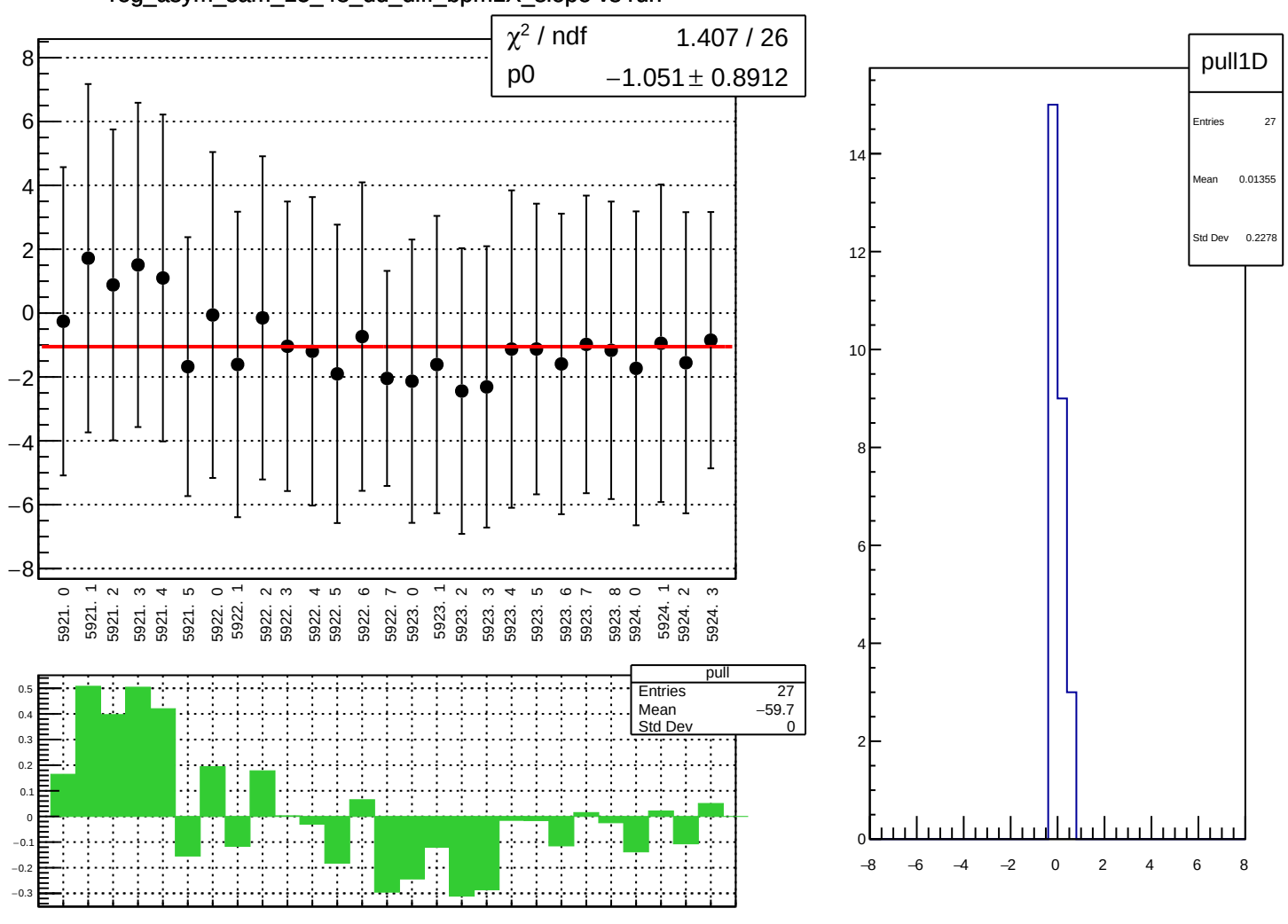

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.515 / 26
p0 −75.86 ± 1.686
−65
−70
−75
−80
−85
−90
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 37.38
Std Dev 0
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 27
Mean −0.01647
Std Dev 0.2363
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

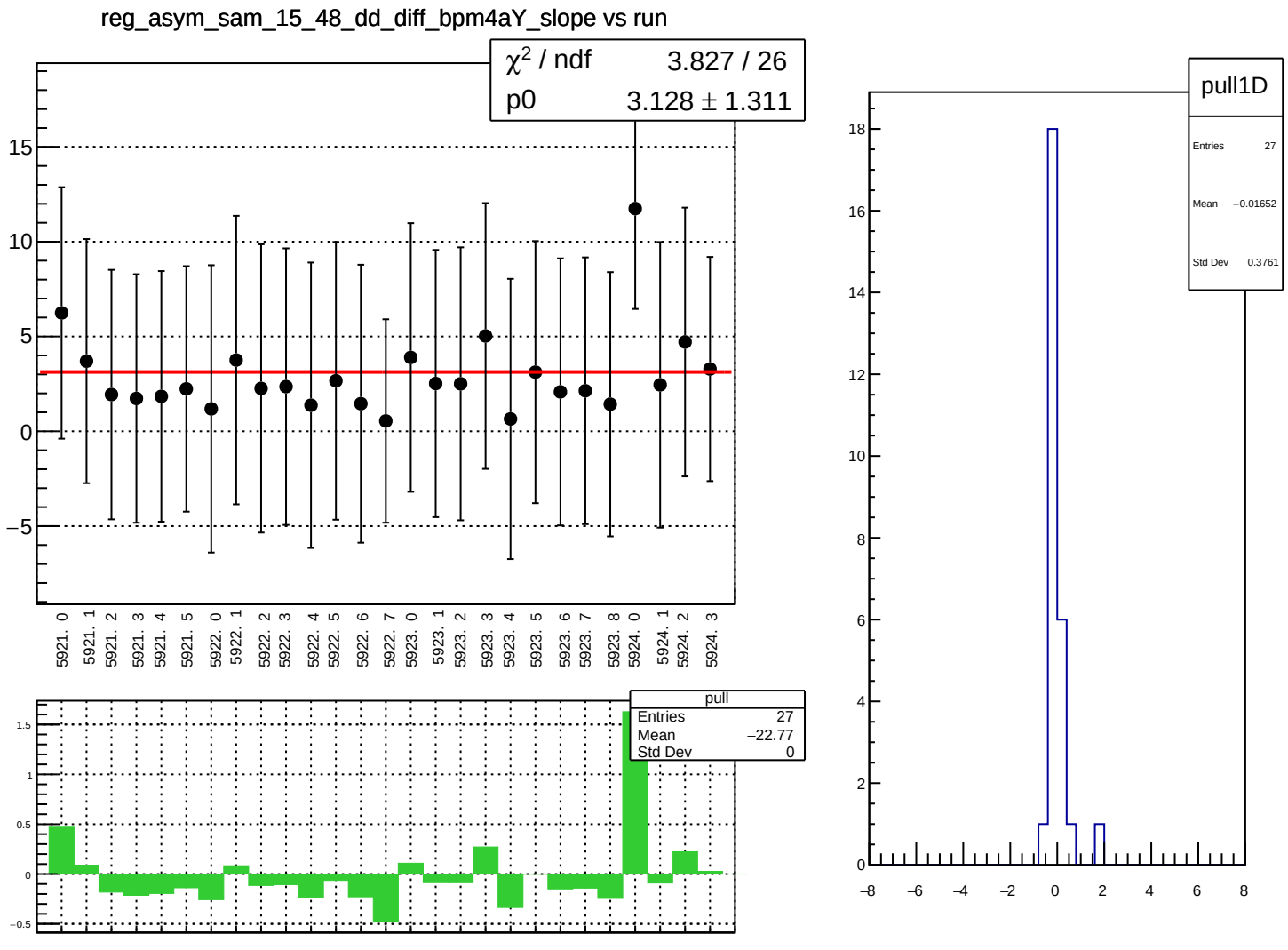

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.632 / 26
p0 −24.49 ± 1.905
pull
Entries 27
Mean 59.99
Std Dev 0

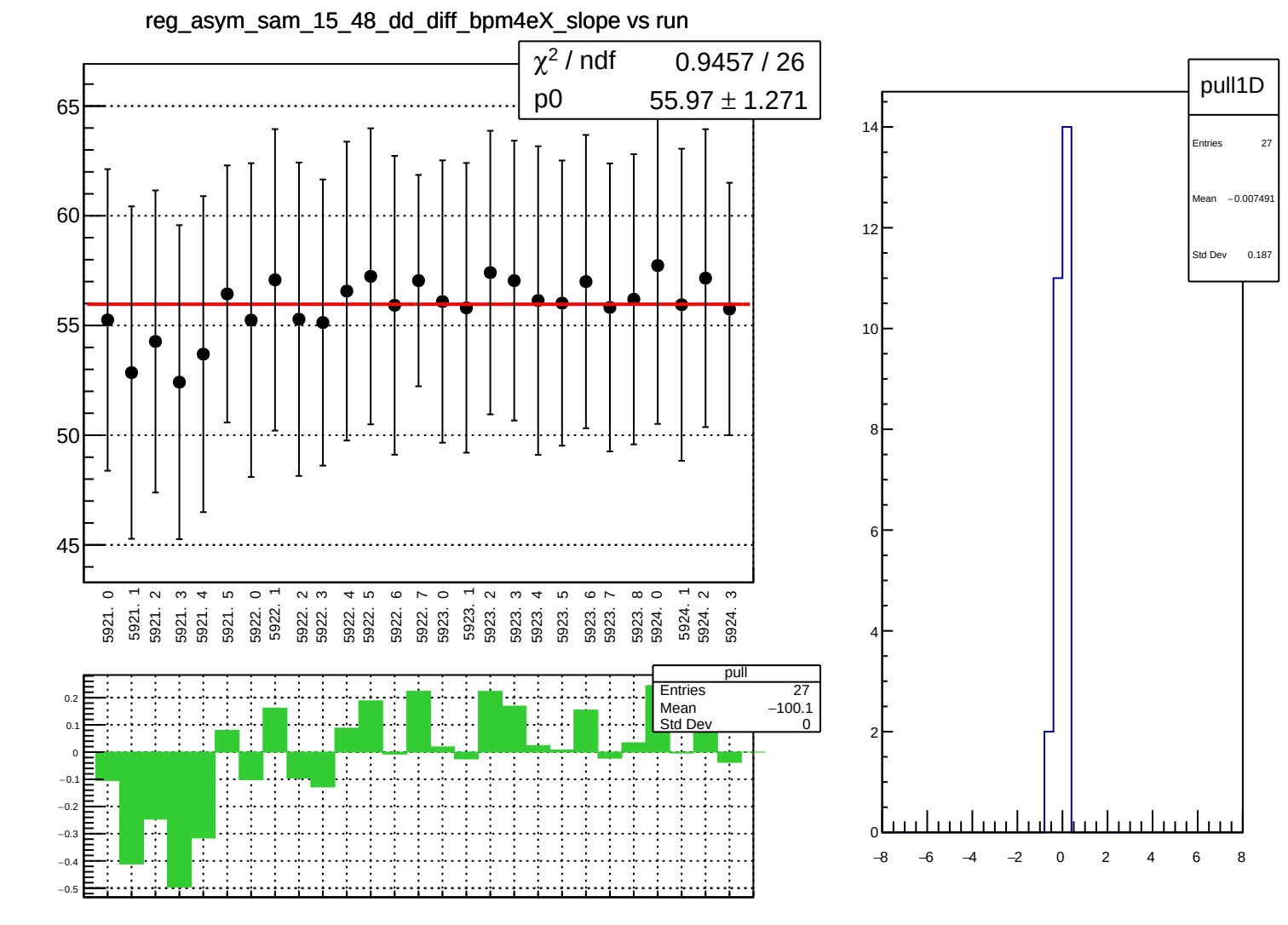

pull1D
Entries 27
Mean 0.03692
Std Dev 0.5304

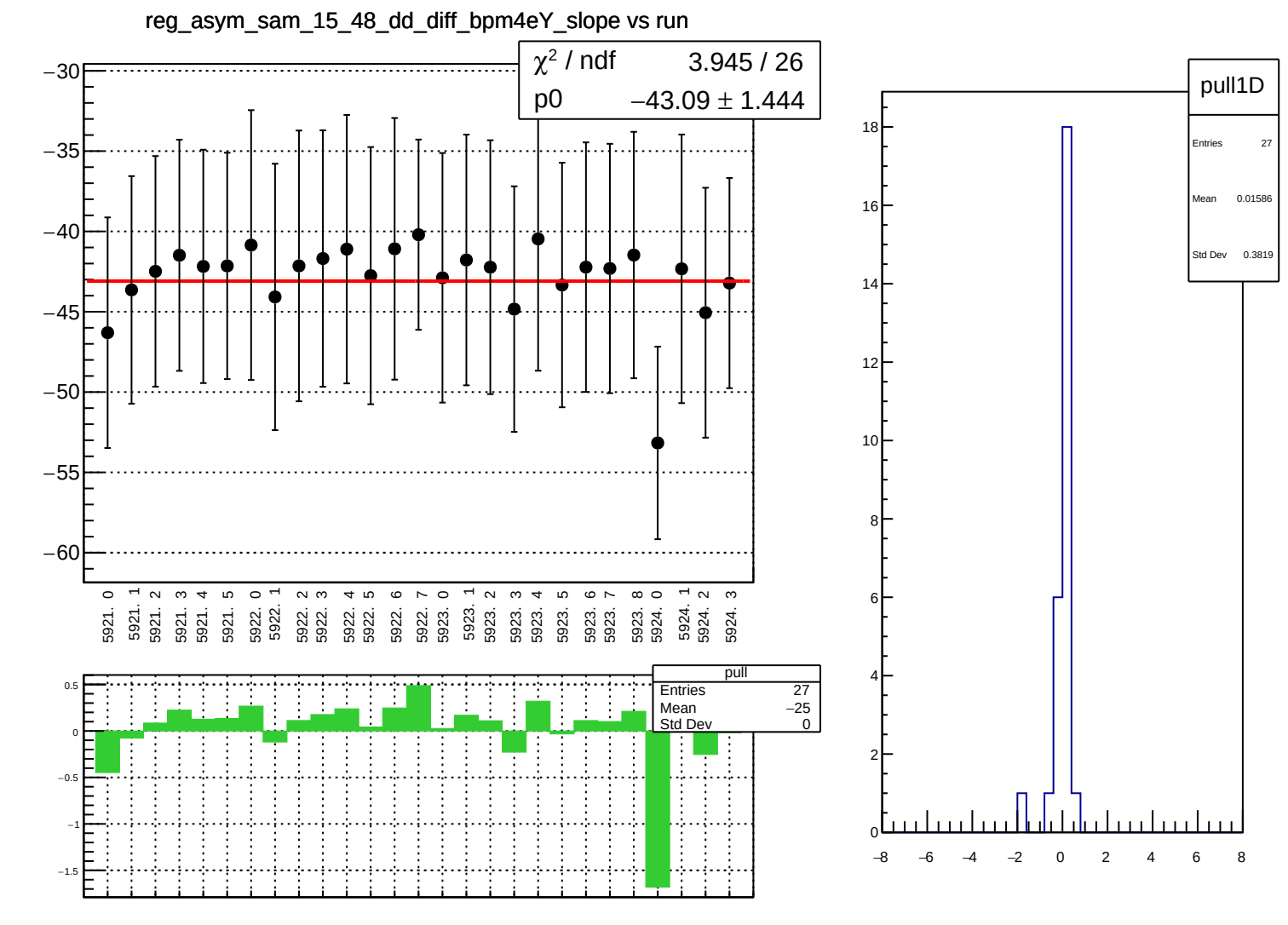

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 2.739 / 26
p0 −0.5497 ± 0.1308
0.5
0
−0.5
−1
−1.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 112.5
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

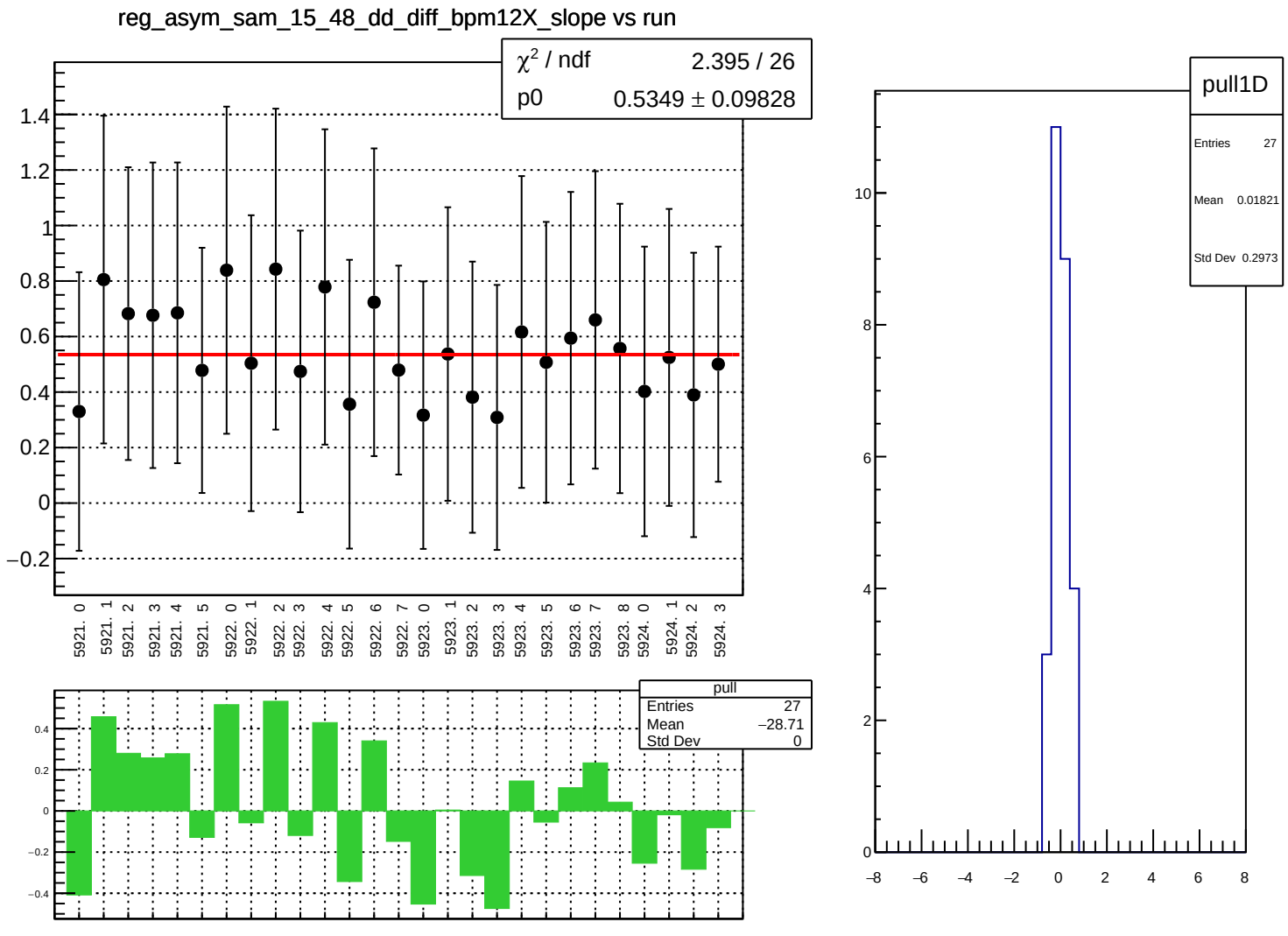

pull1D
Entries 27
Mean 0.01159
Std Dev 0.3183
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

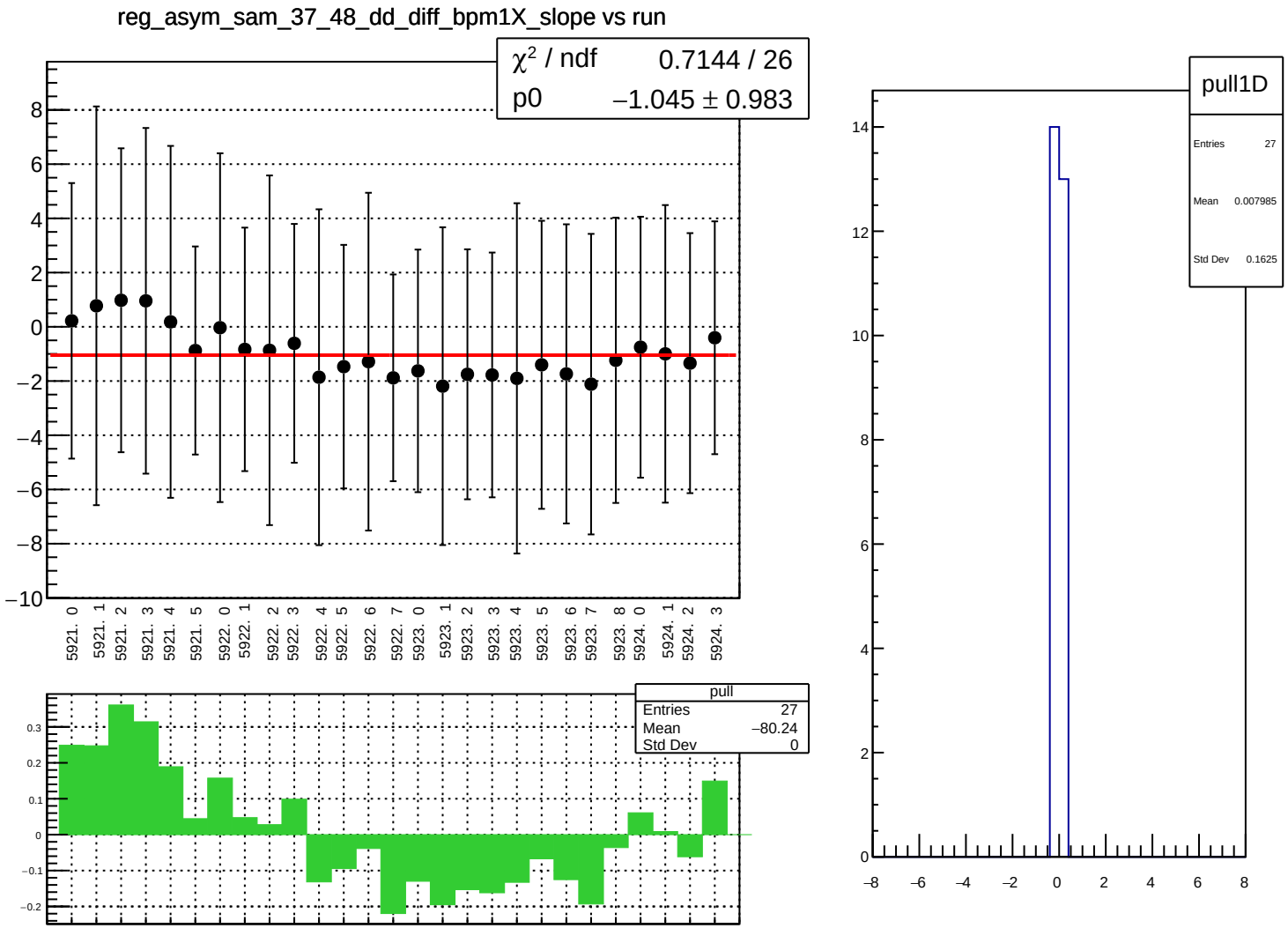

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 1.407 / 26
p0 −1.051 ± 0.8912
8
6
4
2
0
−2
−4
−6
−8
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −59.7
Std Dev 0
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 27
Mean 0.01355
Std Dev 0.2278
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

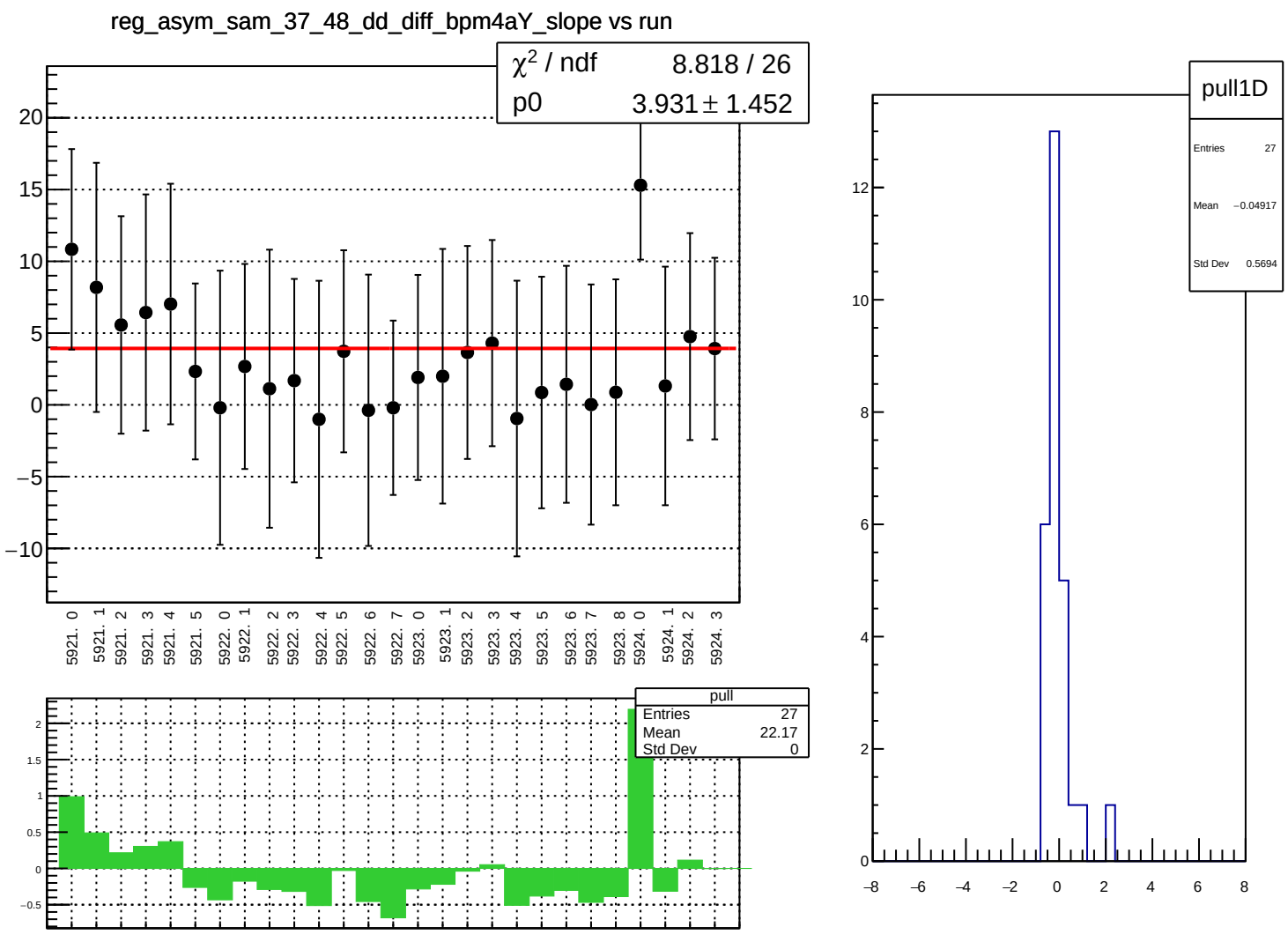

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.827 / 26
p0 3.128 ± 1.311
15
10
5
0
−5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −22.77
Std Dev 0
1.5
1
0.5
0
−0.5
pull1D
Entries 27
Mean −0.01652
Std Dev 0.3761
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

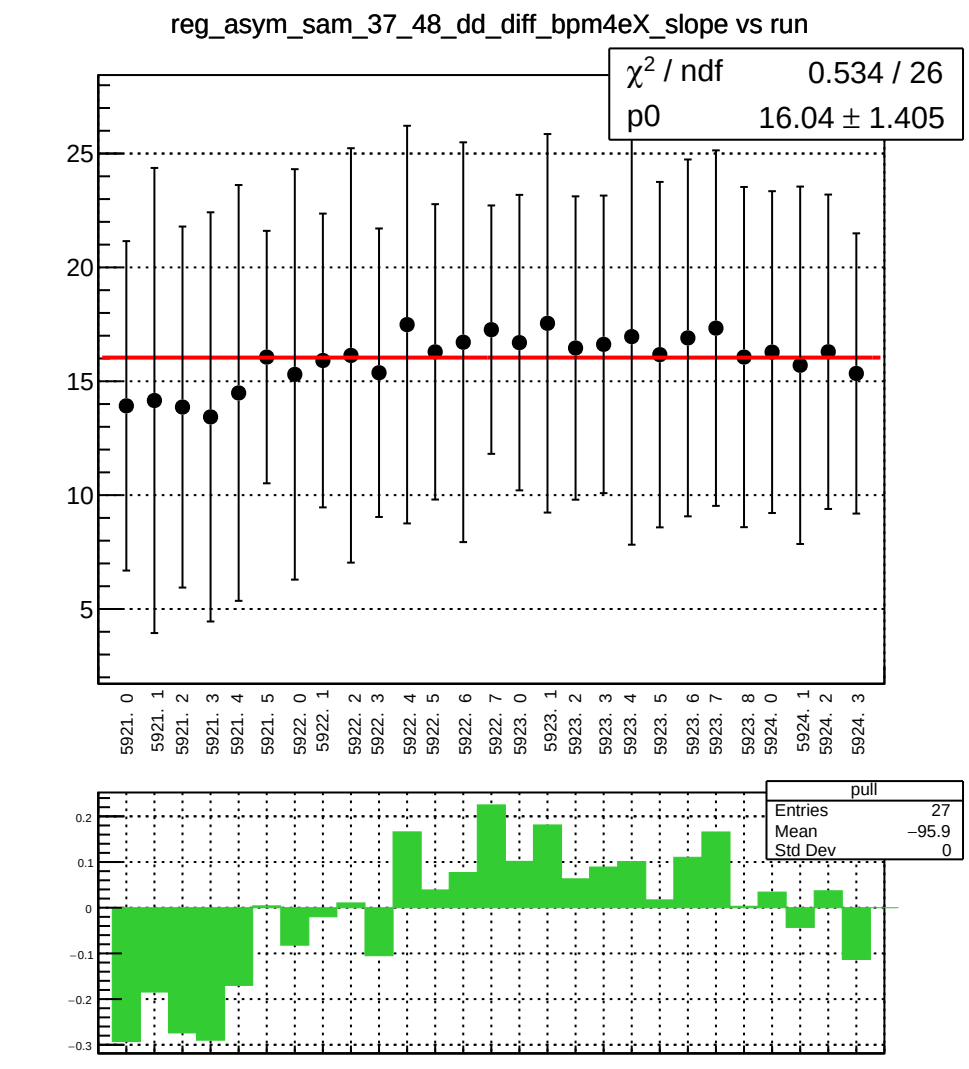

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.9457 / 26
p0 55.97 ± 1.271
65
60
55
50
45
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −100.1
Std Dev 0
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
pull1D
Entries 27
Mean −0.007491
Std Dev 0.187
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

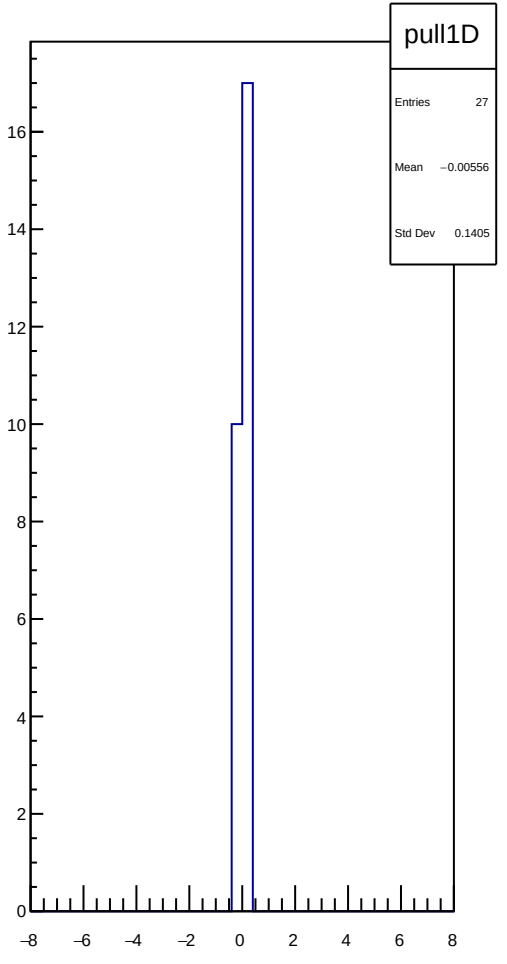

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.945 / 26
p0 −43.09 ± 1.444
−30
−35
−40
−45
−50
−55
−60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −25
Std Dev 0
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.01586
Std Dev 0.3819
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

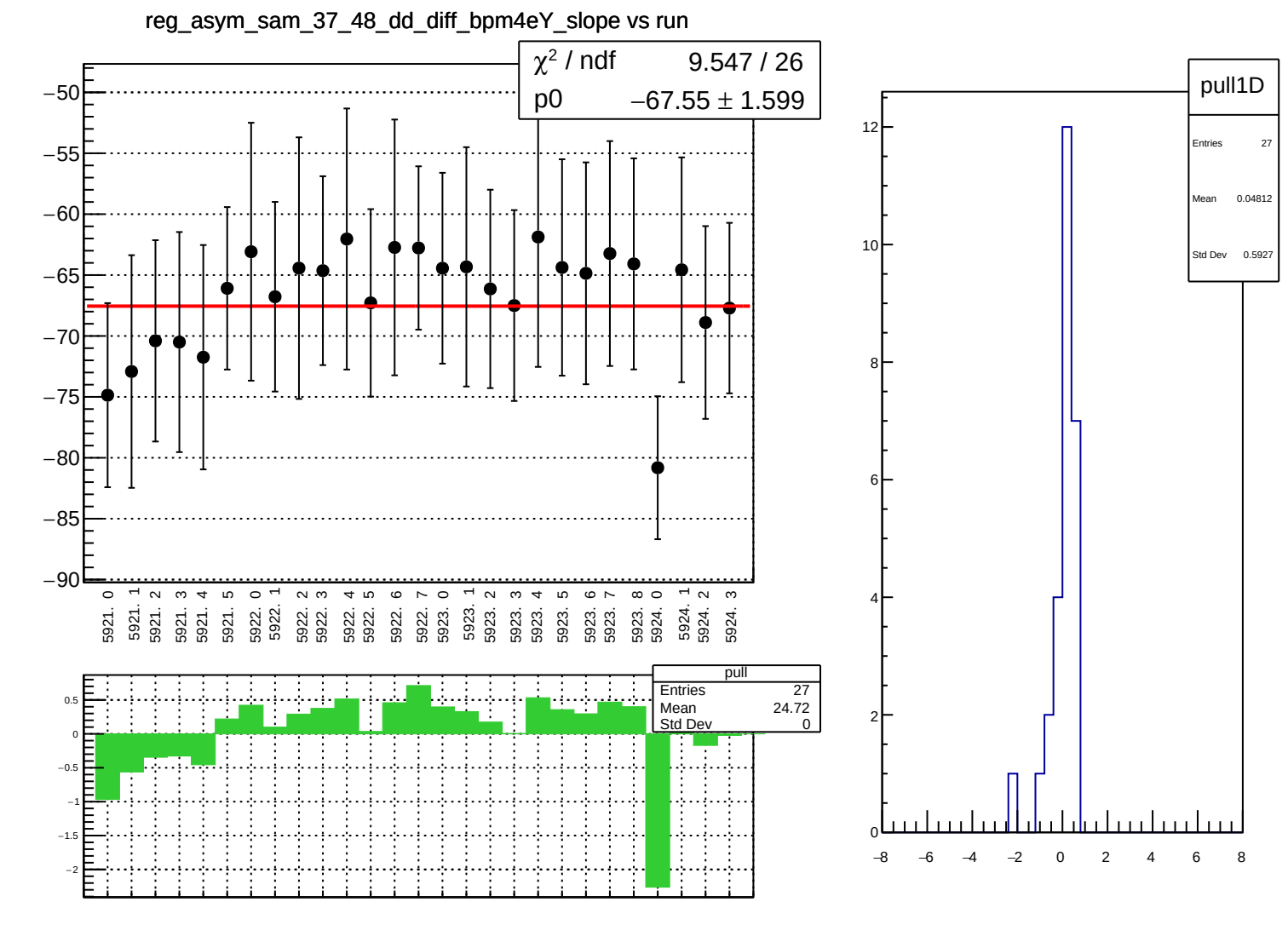

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 2.395 / 26
p0 0.5349 ± 0.09828
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −28.71
Std Dev 0
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 27
Mean 0.01821
Std Dev 0.2973
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

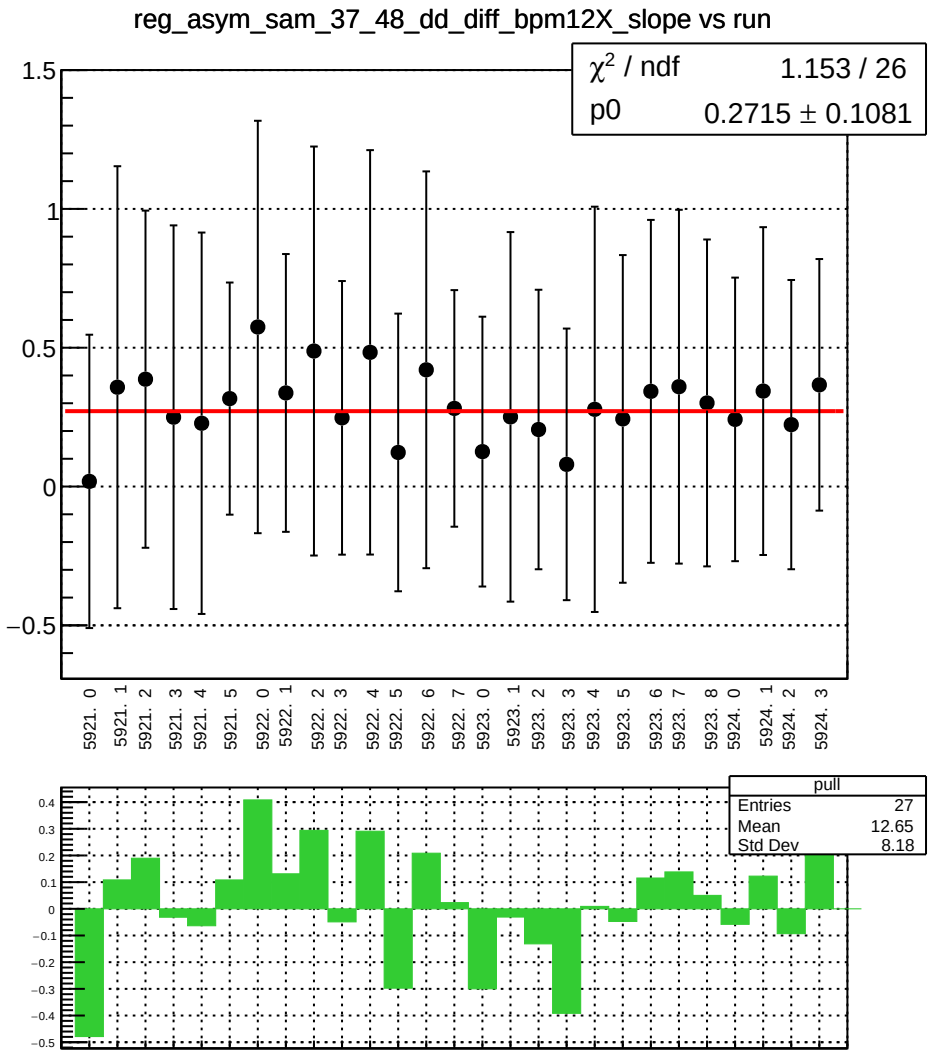

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 0.7144 / 26
p0 −1.045 ± 0.983
8
6
4
2
0
−2
−4
−6
−8
−10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −80.24
Std Dev 0
0.3
0.2
0.1
0
−0.1
−0.2
pull1D
Entries 27
Mean 0.007985
Std Dev 0.1625
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

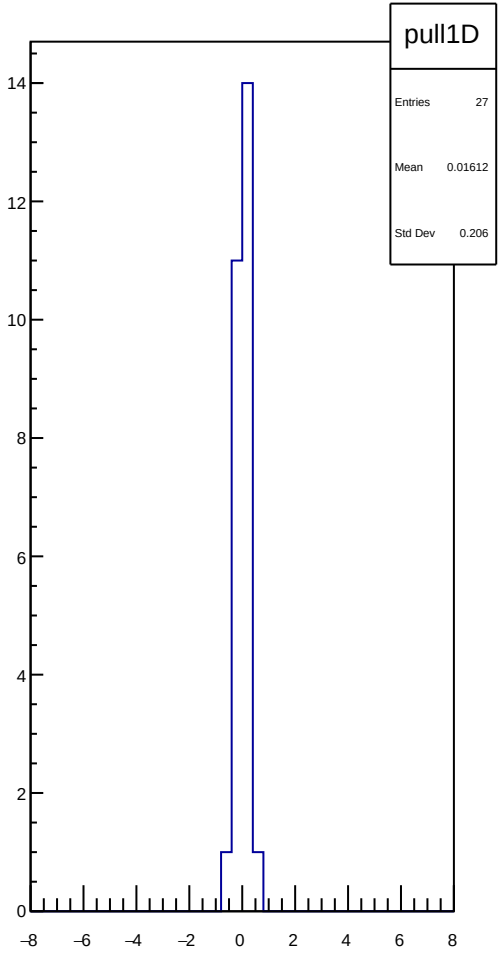

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.818 / 26
p0 3.931 ± 1.452
20
15
10
5
0
−5
−10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 22.17
Std Dev 0
2
1.5
1
0.5
0
−0.5
pull1D
Entries 27
Mean −0.04917
Std Dev 0.5694
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

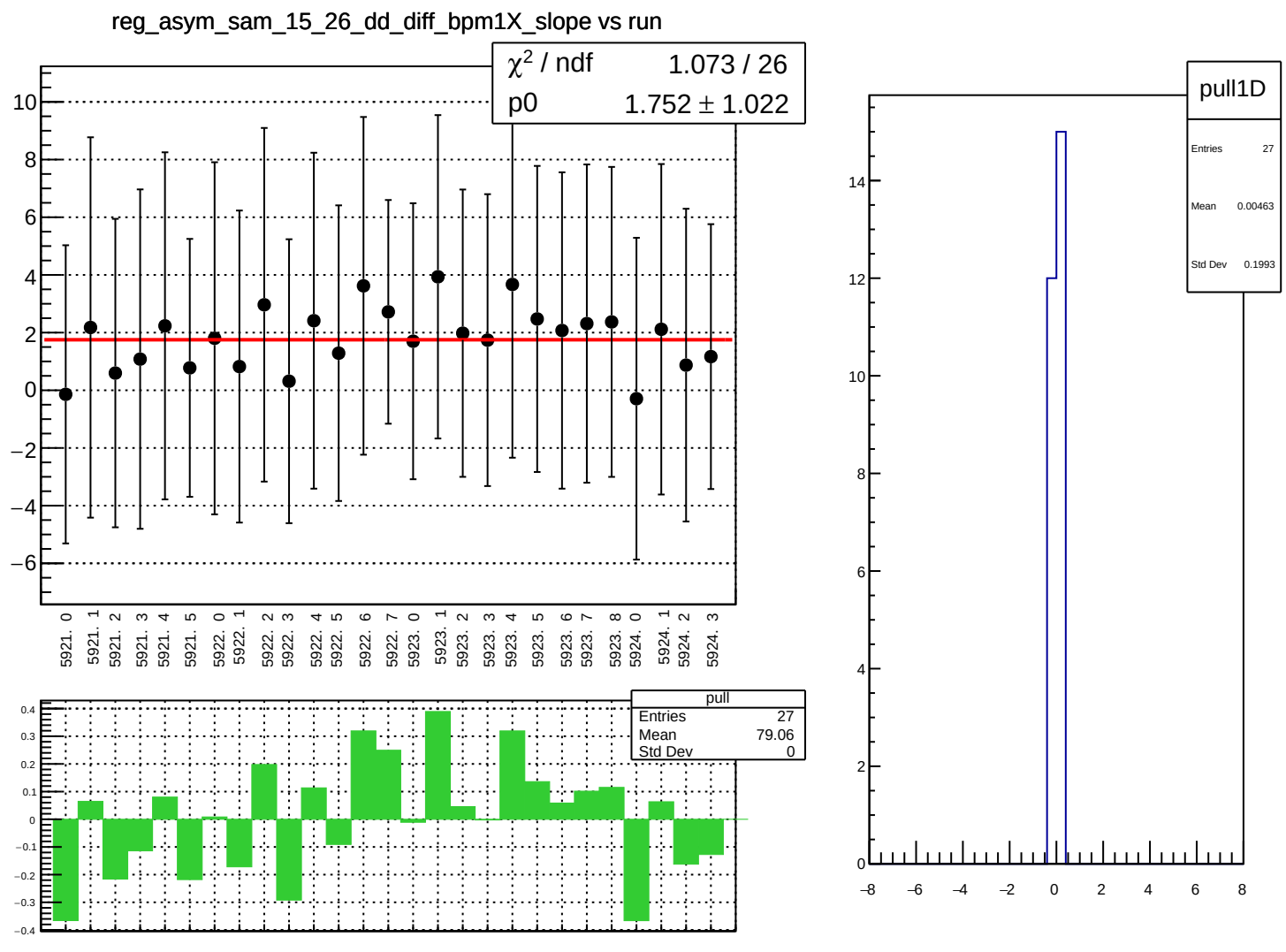

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.534 / 26
p0 16.04 ± 1.405
25
20
15
10
5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −95.9
Std Dev 0
0.2
0.1
0
−0.1
−0.2
−0.3

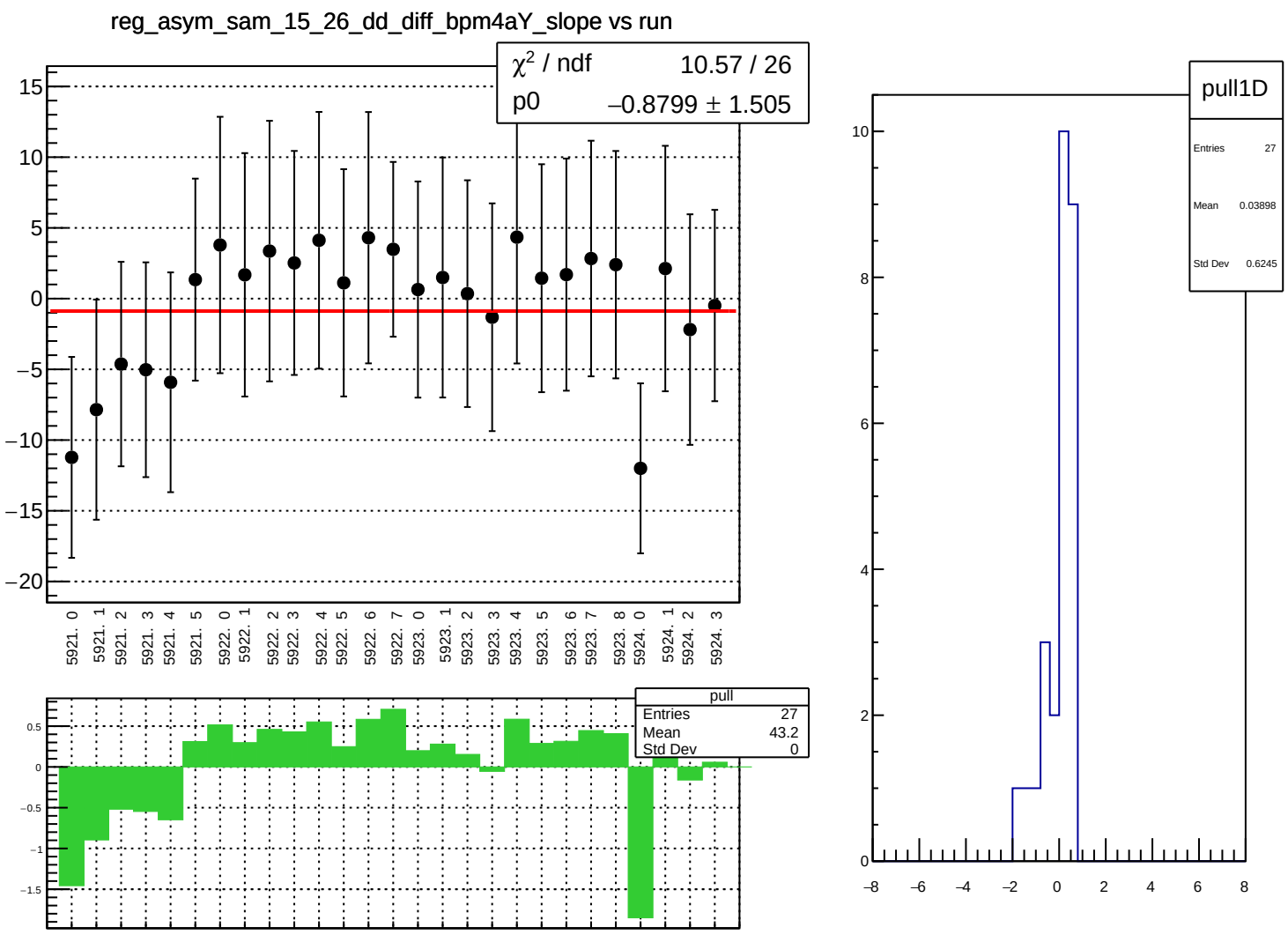

pull1D
Entries 27
Mean −0.00556
Std Dev 0.1405
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

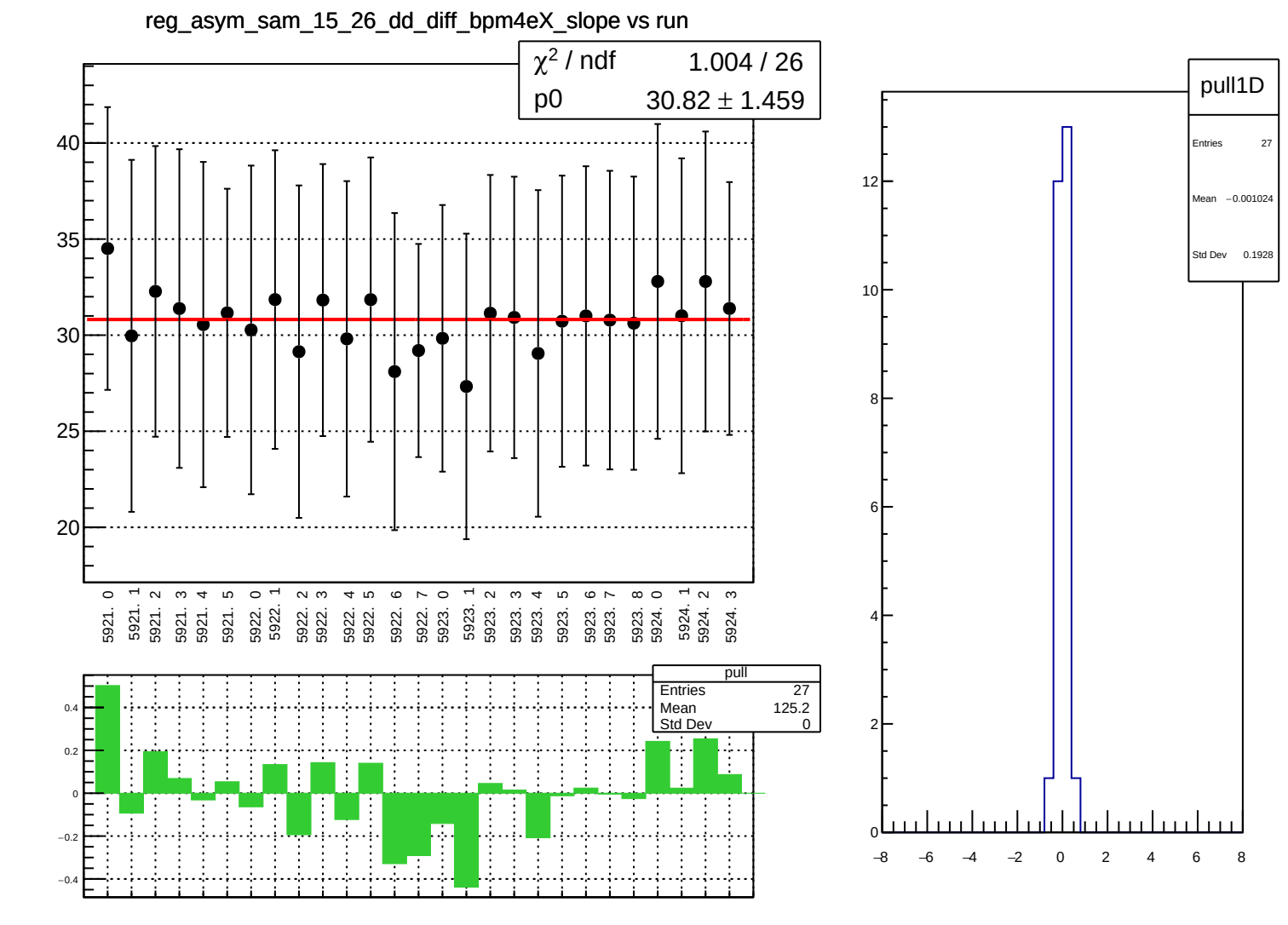

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.547 / 26
p0 −67.55 ± 1.599
−50
−55
−60
−65
−70
−75
−80
−85
−90
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 24.72
Std Dev 0
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean 0.04812
Std Dev 0.5927
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

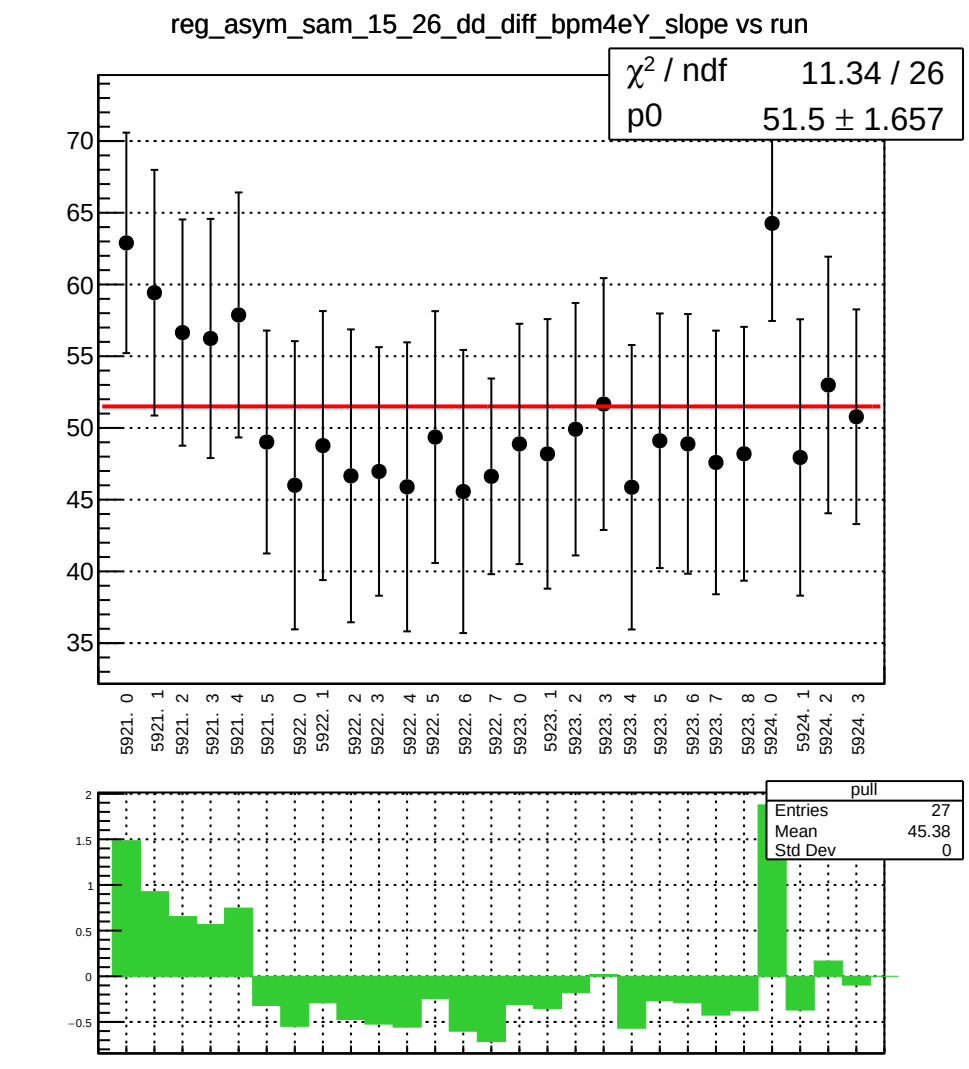

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 1.153 / 26
p0 0.2715 ± 0.1081
1.5
1
0.5
0
−0.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 12.65
Std Dev 8.18
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5

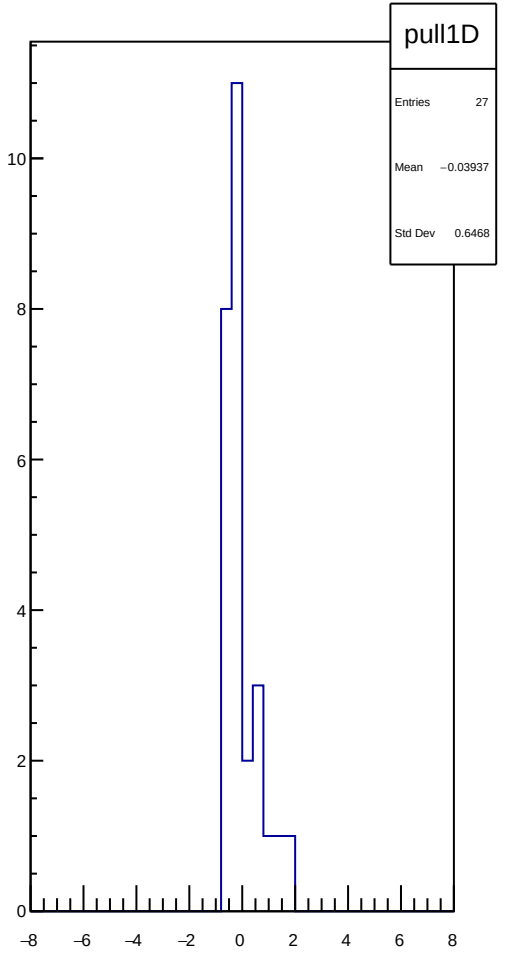

pull1D
Entries 27
Mean 0.01612
Std Dev 0.206
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

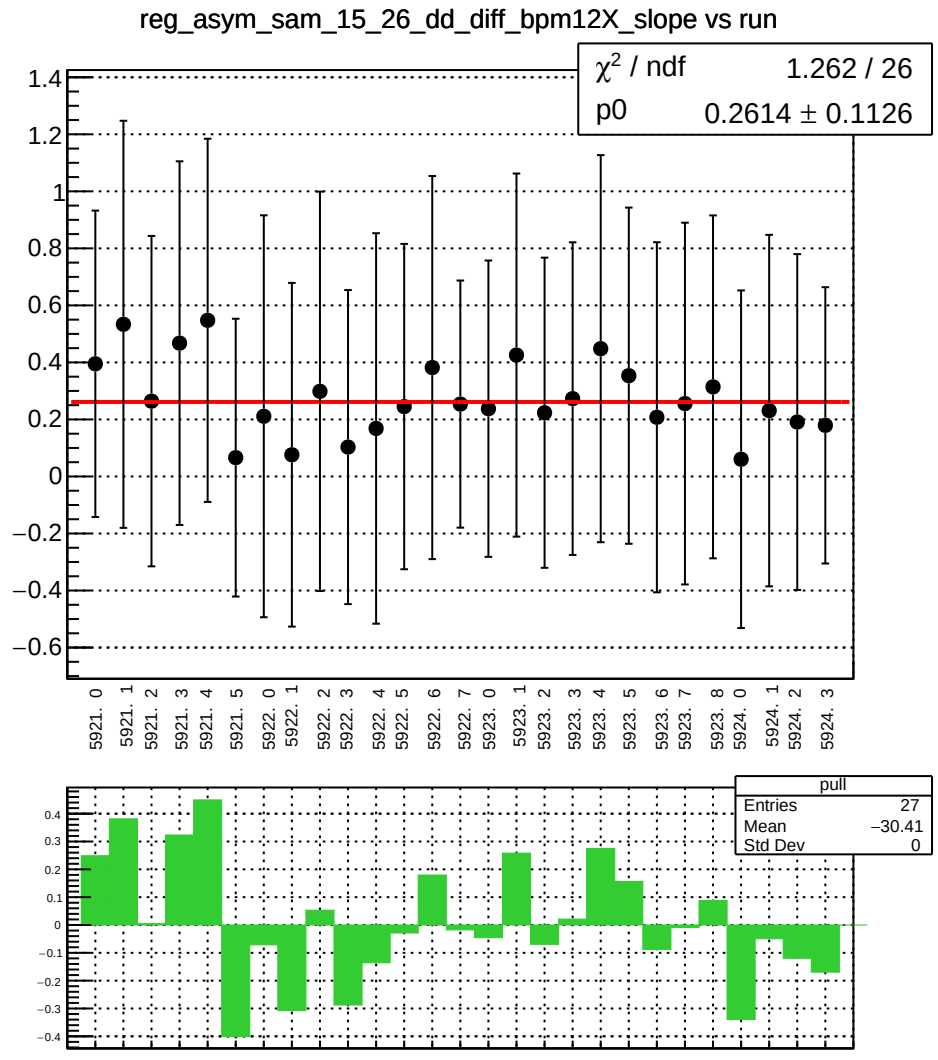

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 1.073 / 26
p0 1.752 ± 1.022
pull
Entries 27
Mean 79.06
Std Dev 0
pull1D
Entries 27
Mean 0.00463
Std Dev 0.1993

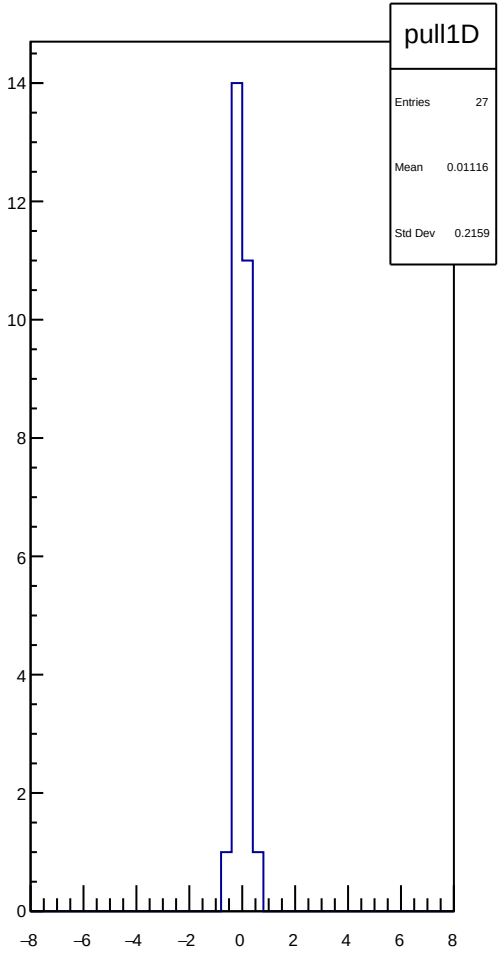

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.57 / 26
p0 −0.8799 ± 1.505
15
10
5
0
−5
−10
−15
−20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 43.2
Std Dev 0
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.03898
Std Dev 0.6245
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

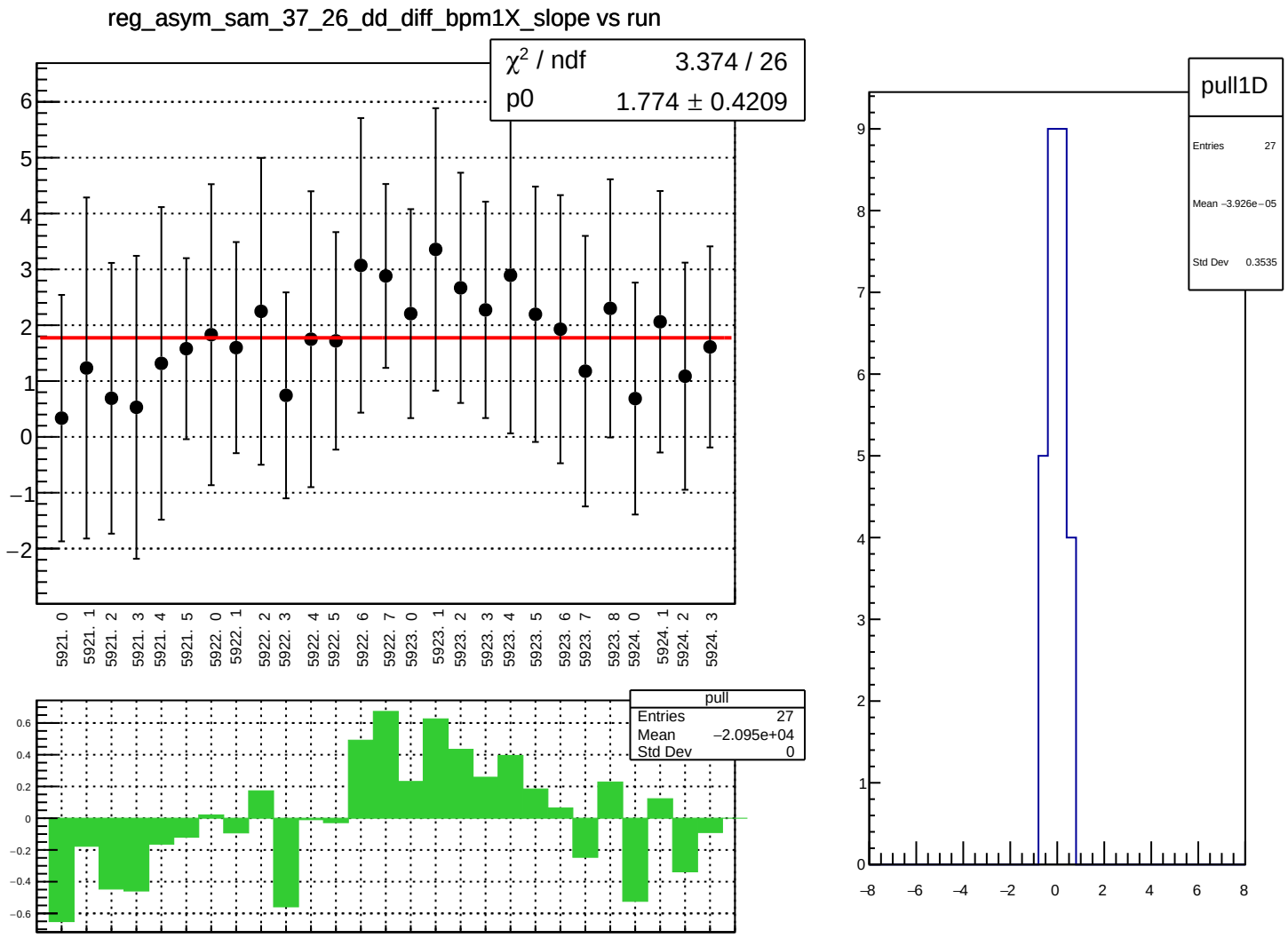

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.004 / 26
p0 30.82 ± 1.459
40
35
30
25
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 125.2
Std Dev 0
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 27
Mean −0.001024
Std Dev 0.1928
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

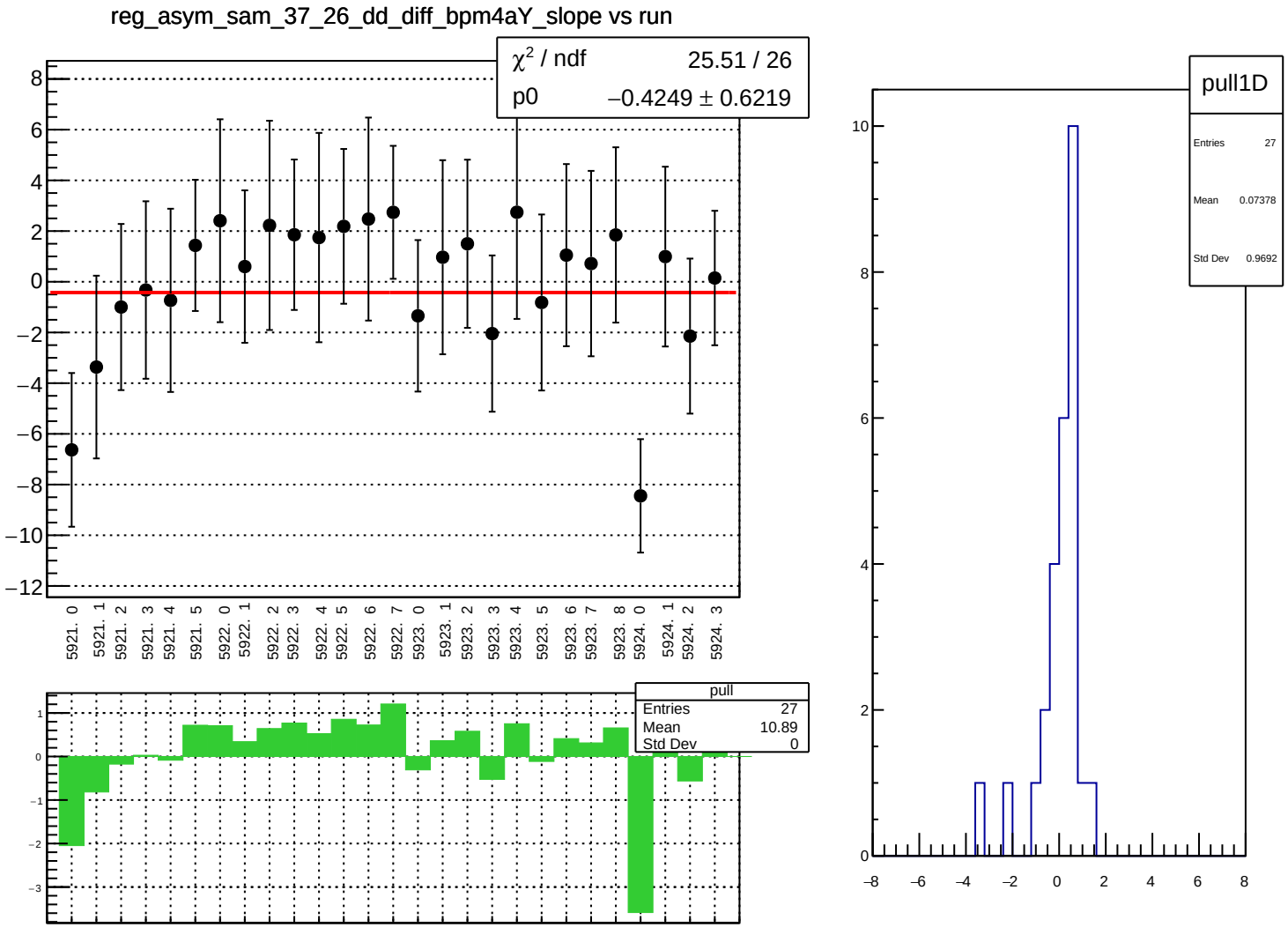

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.34 / 26
p0 51.5 ± 1.657
70
65
60
55
50
45
40
35
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 45.38
Std Dev 0
2
1.5
1
0.5
0
−0.5

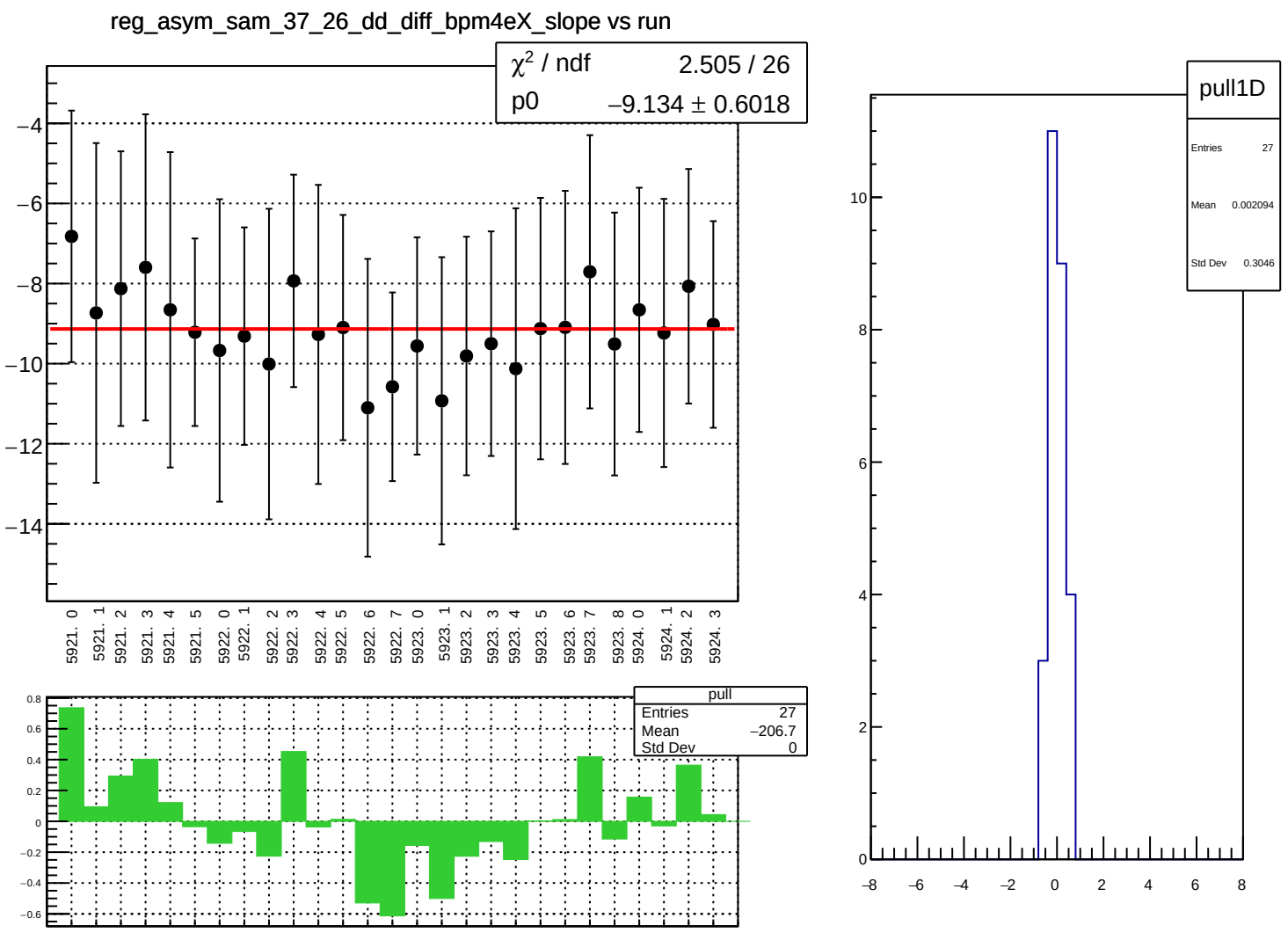

pull1D
Entries 27
Mean −0.03937
Std Dev 0.6468
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

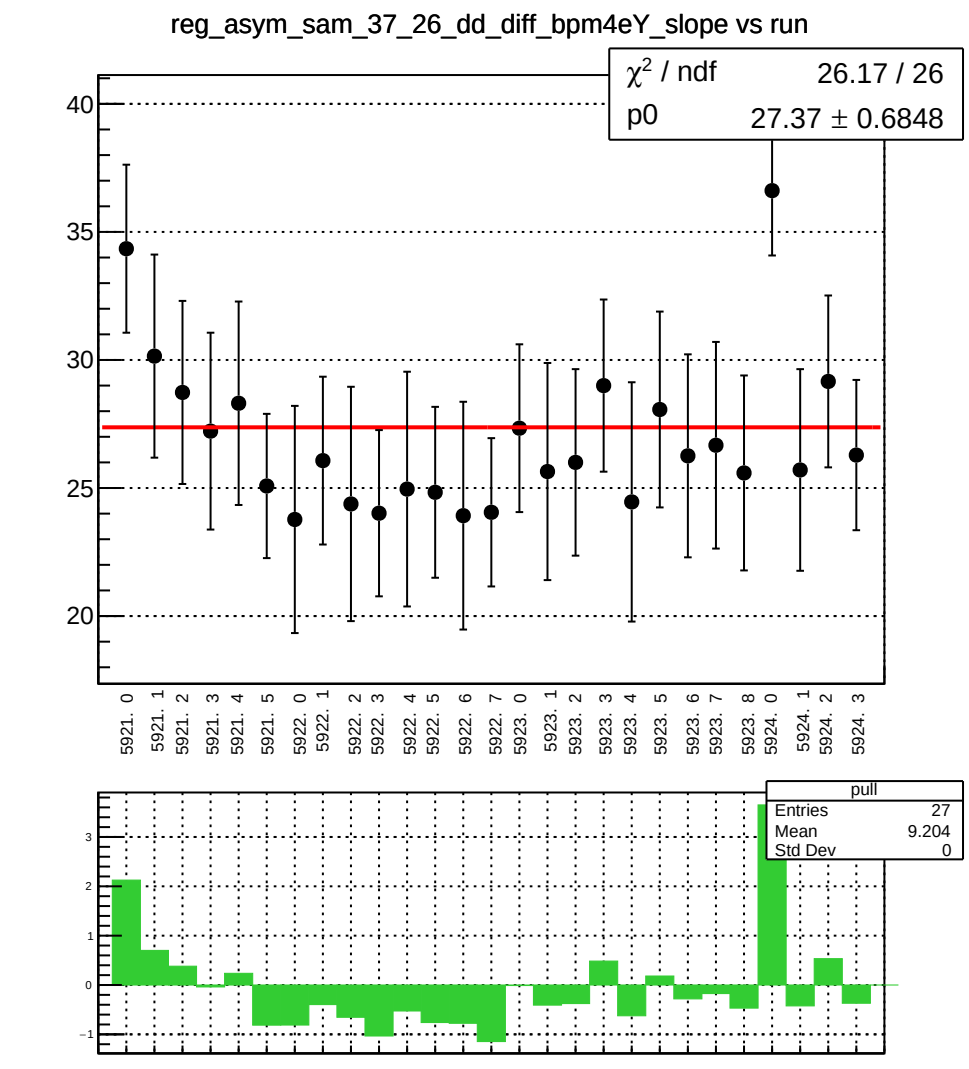

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 1.262 / 26
p0 0.2614 ± 0.1126
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −30.41
Std Dev 0
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4

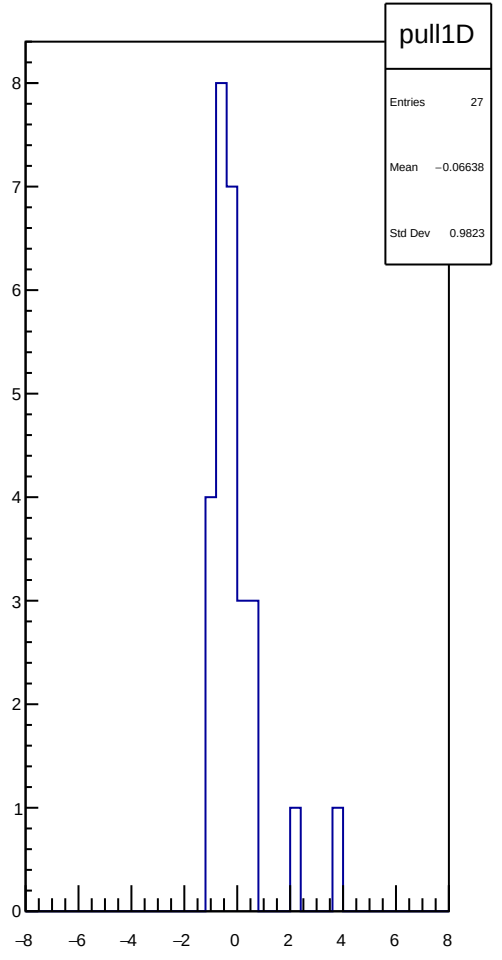

pull1D
Entries 27
Mean 0.01116
Std Dev 0.2159
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

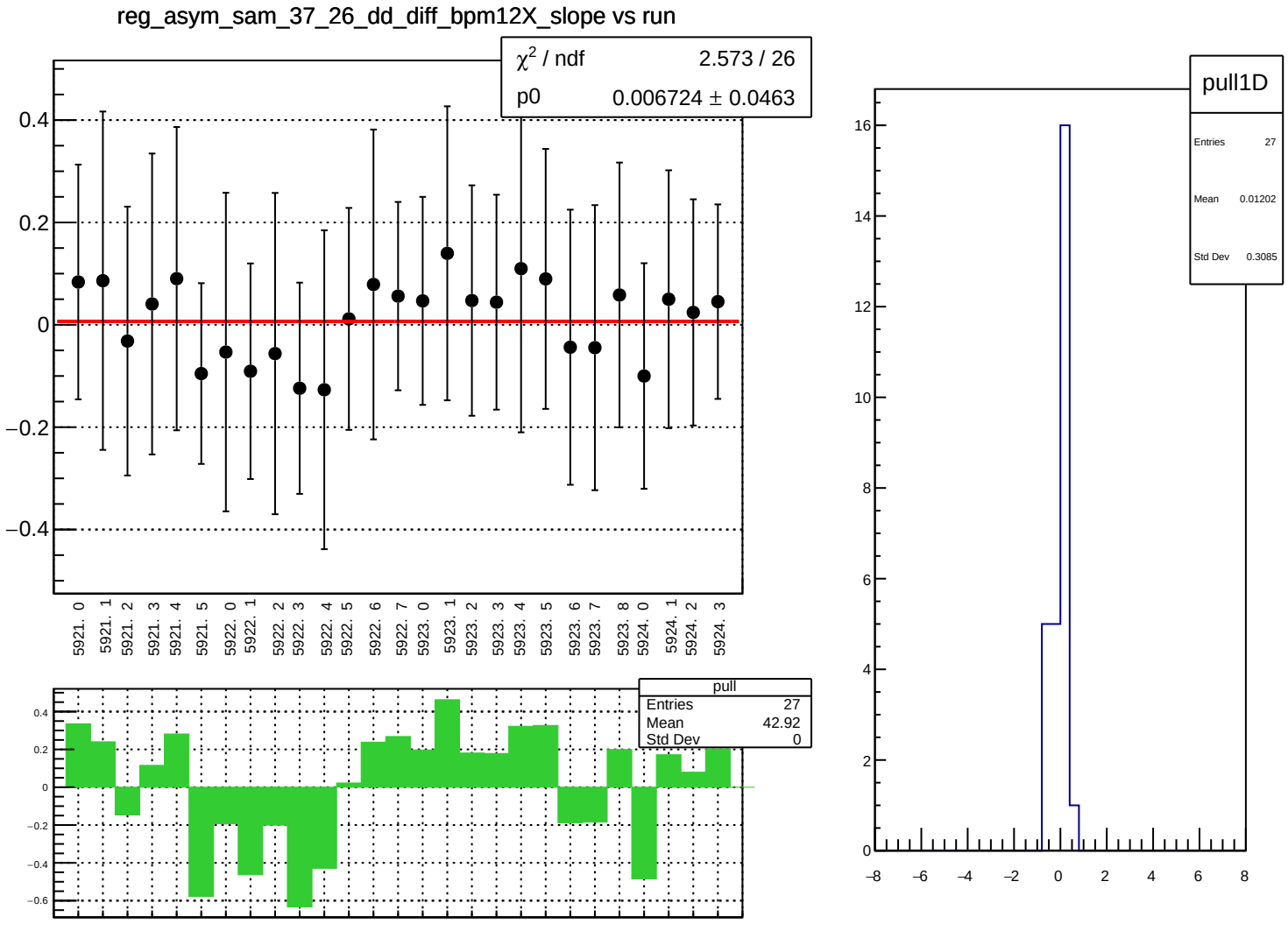

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 3.374 / 26
p0 1.774 ± 0.4209
pull
Entries 27
Mean −2.095e+04
Std Dev 0
pull1D
Entries 27
Mean −3.926e−05
Std Dev 0.3535

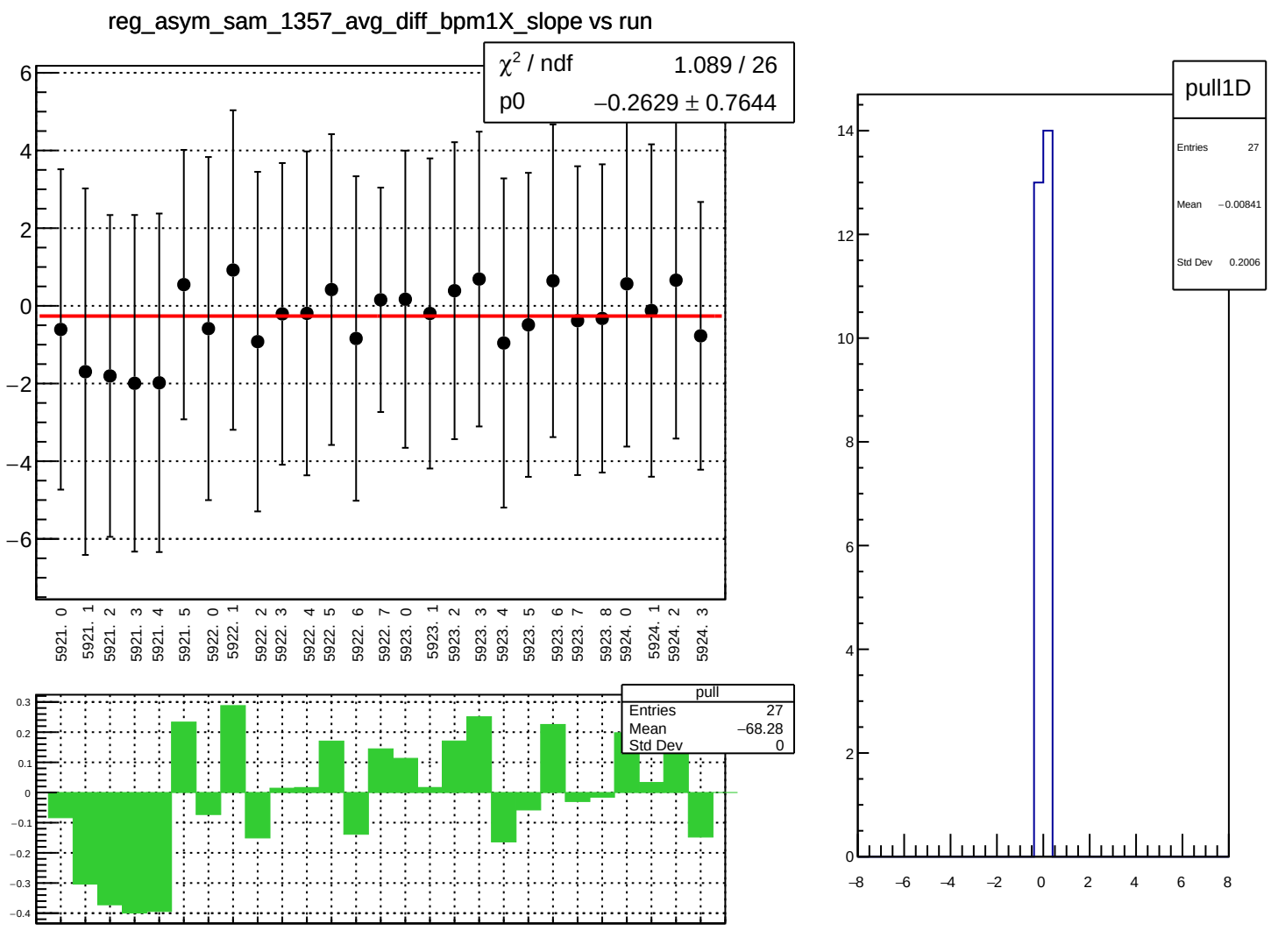

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 25.51 / 26
p0 −0.4249 ± 0.6219
pull
Entries 27
Mean 10.89
Std Dev 0
pull1D
Entries 27
Mean 0.07378
Std Dev 0.9692

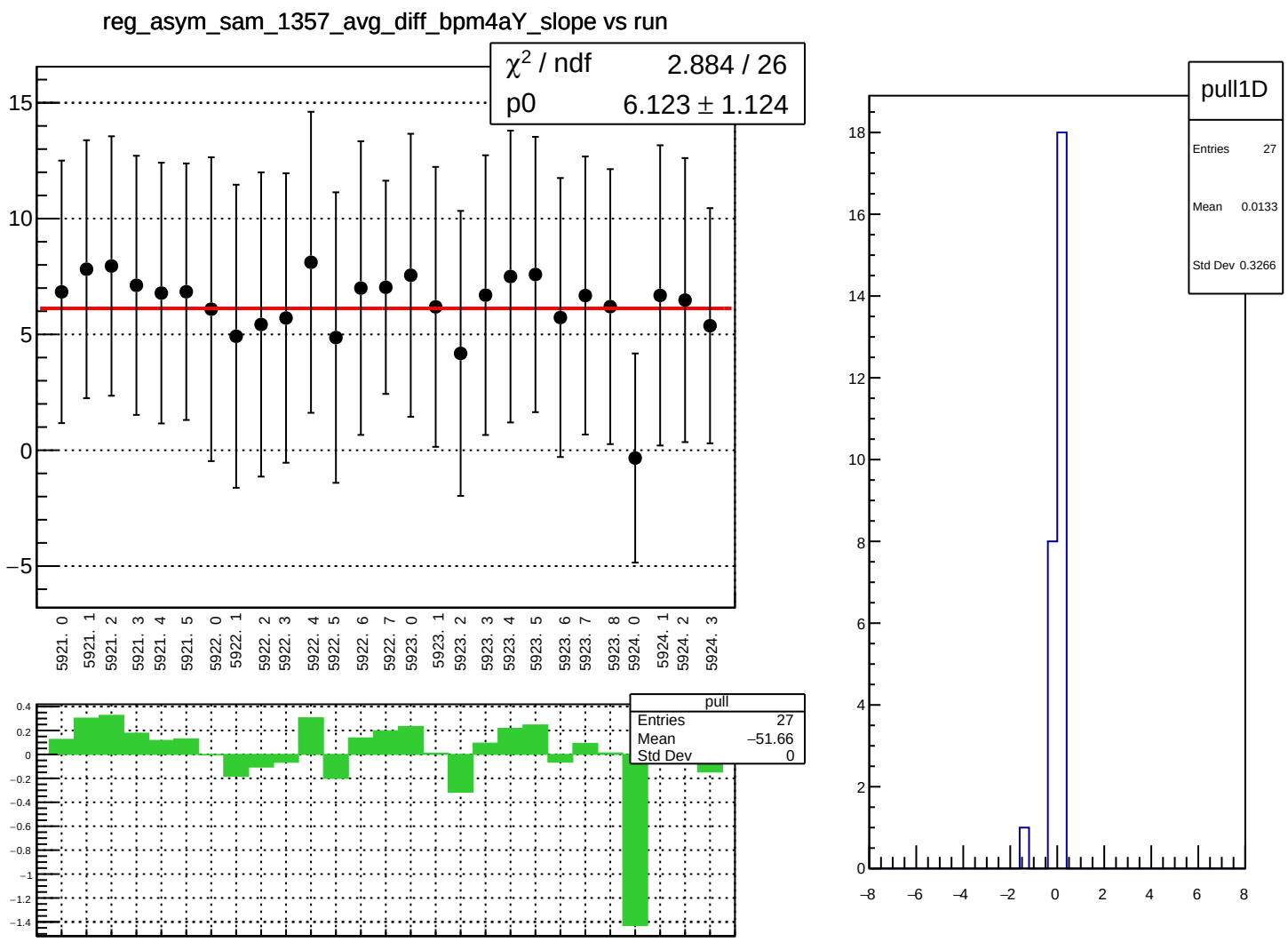

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.505 / 26
p0 −9.134 ± 0.6018
−4
−6
−8
−10
−12
−14
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −206.7
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 27
Mean 0.002094
Std Dev 0.3046
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

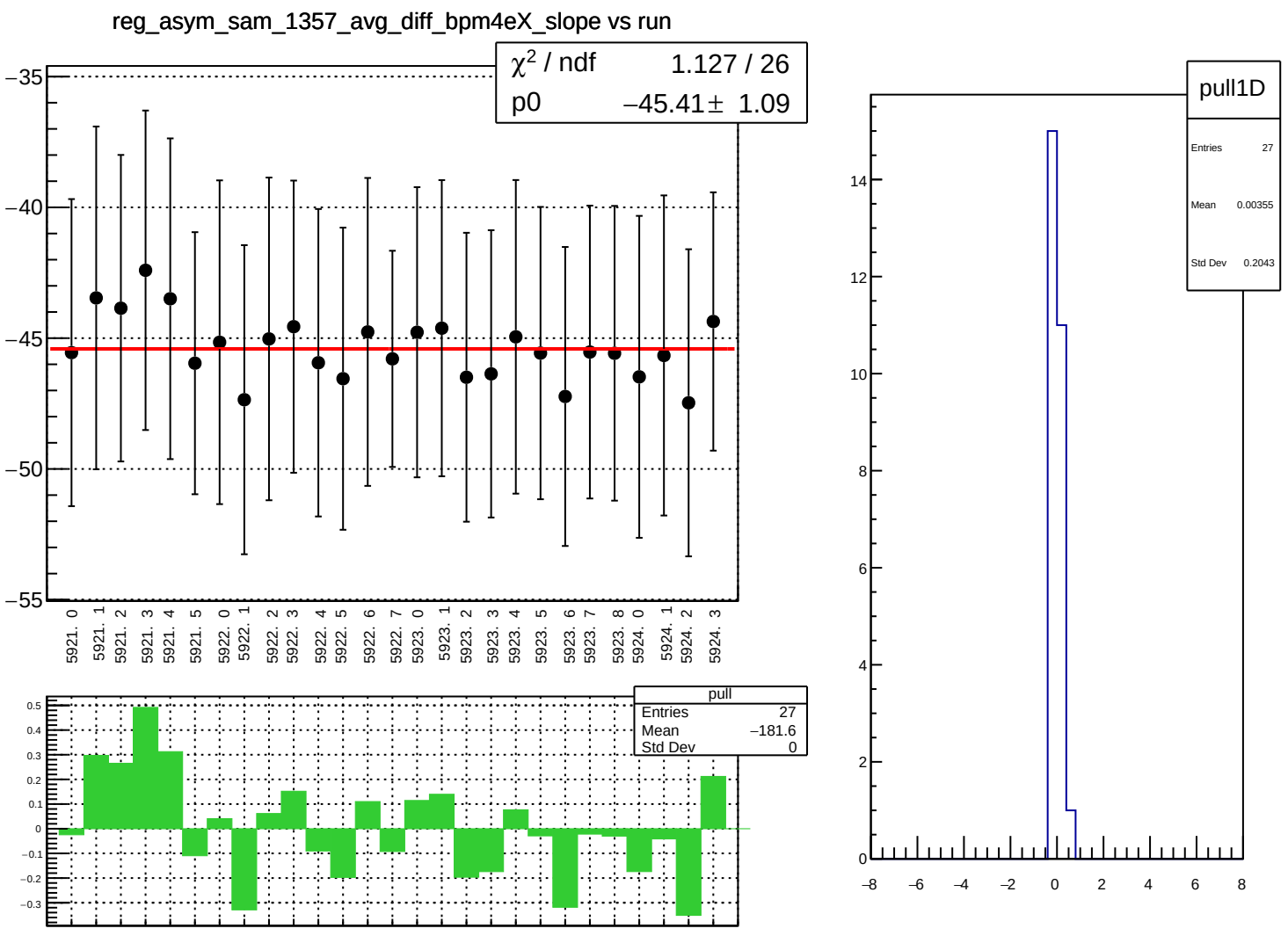

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 26.17 / 26
p0 27.37 ± 0.6848
40
35
30
25
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 9.204
Std Dev 0
3
2
1
0
−1

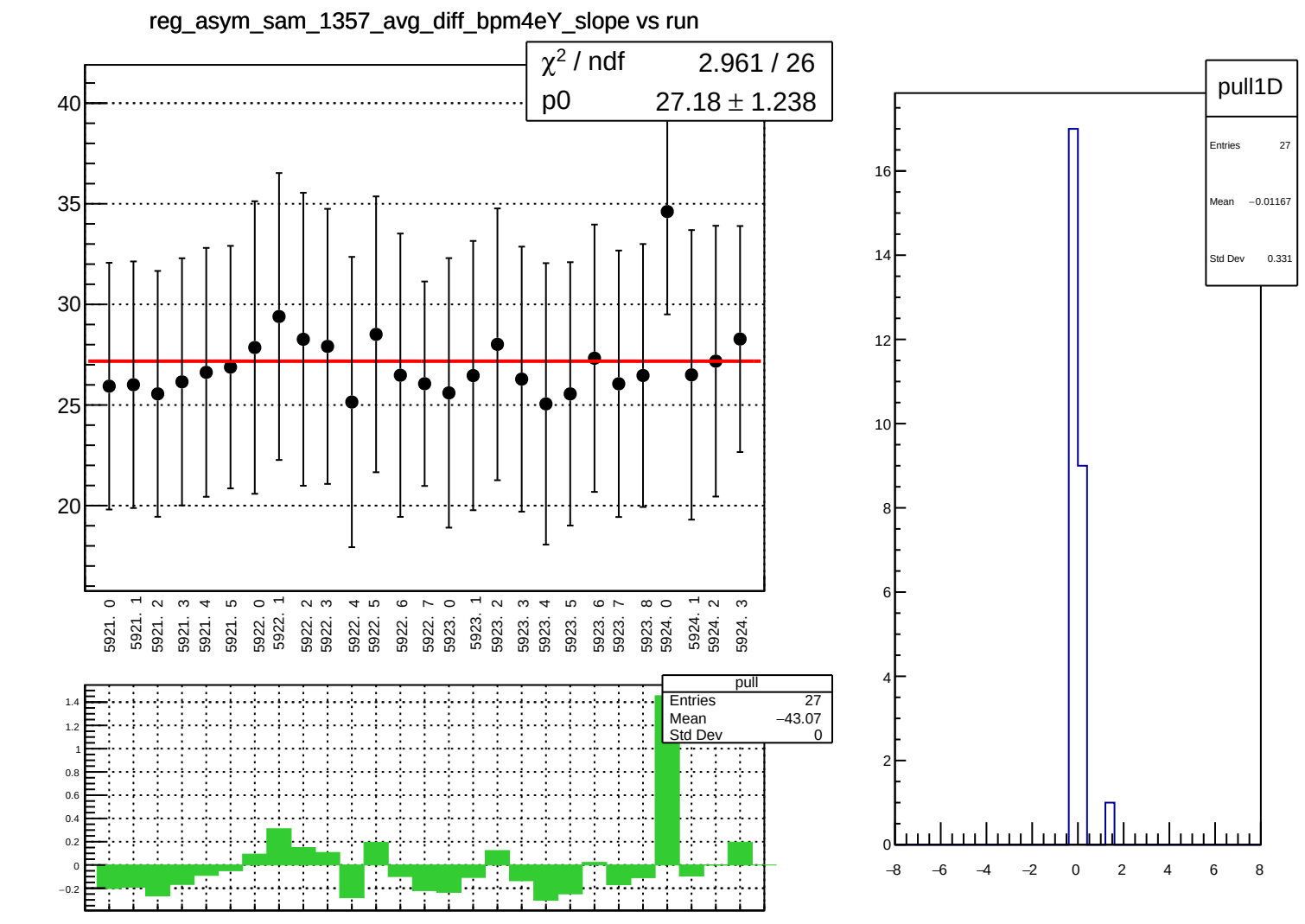

pull1D
Entries 27
Mean −0.06638
Std Dev 0.9823
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

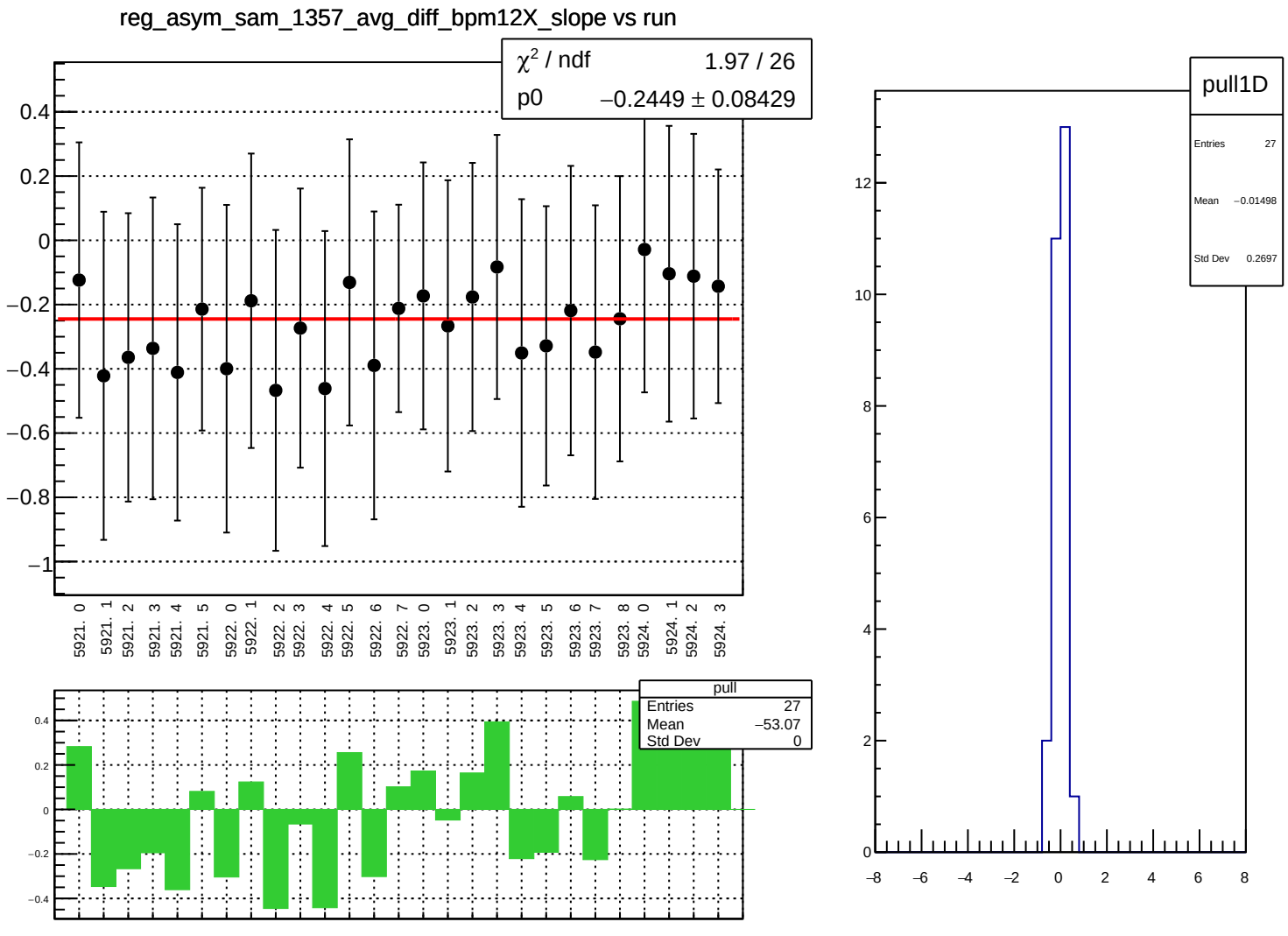

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 2.573 / 26
p0 0.006724 ± 0.0463
0.4
0.2
0
−0.2
−0.4
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 42.92
Std Dev 0
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 27
Mean 0.01202
Std Dev 0.3085
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

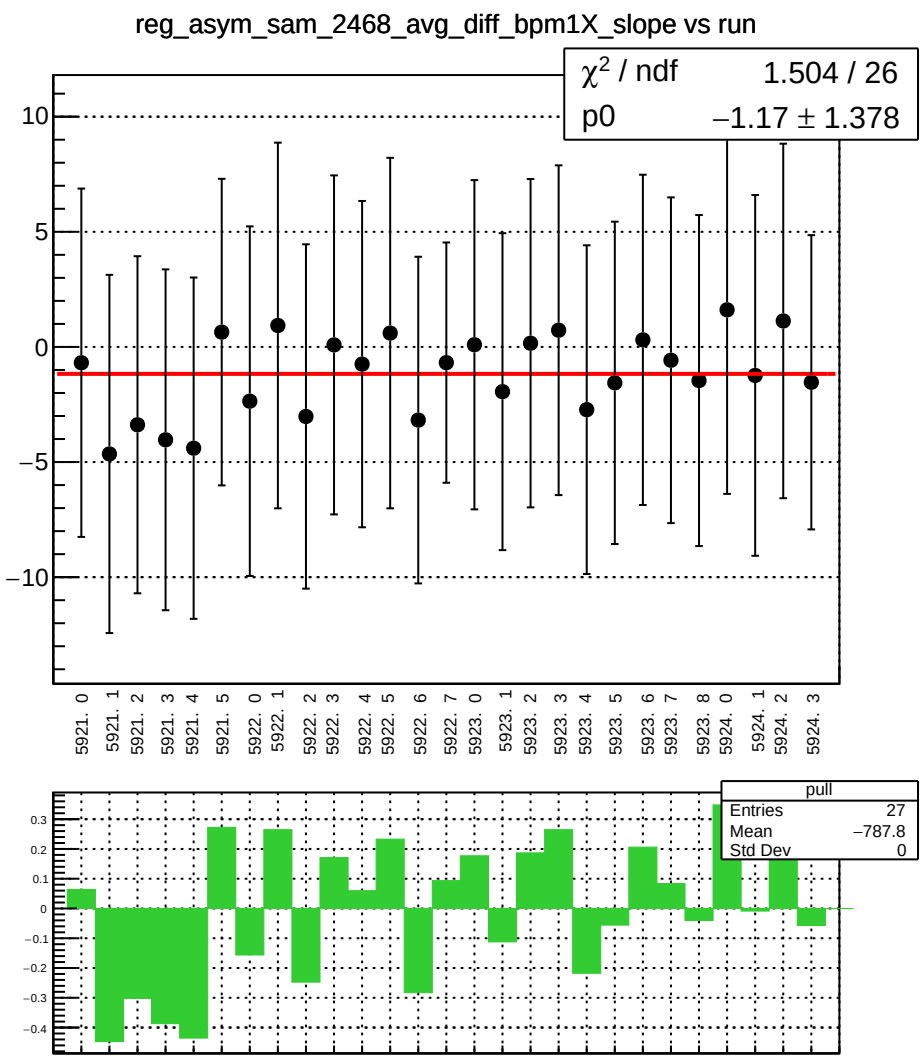

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 1.089 / 26
p0 −0.2629 ± 0.7644
6
4
2
0
−2
−4
−6
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −68.28
Std Dev 0
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
pull1D
Entries 27
Mean −0.00841
Std Dev 0.2006
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

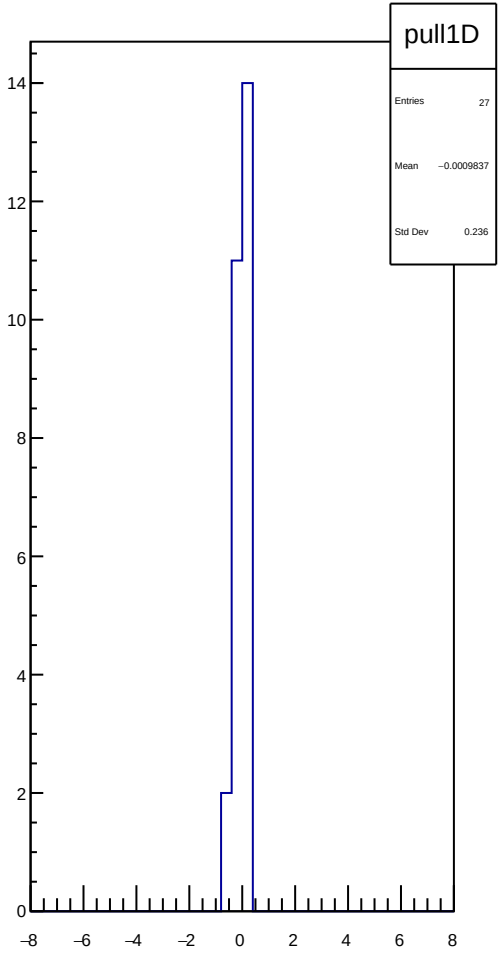

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.884 / 26
p0 6.123 ± 1.124
15
10
5
0
−5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −51.66
Std Dev 0
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
pull1D
Entries 27
Mean 0.0133
Std Dev 0.3266
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

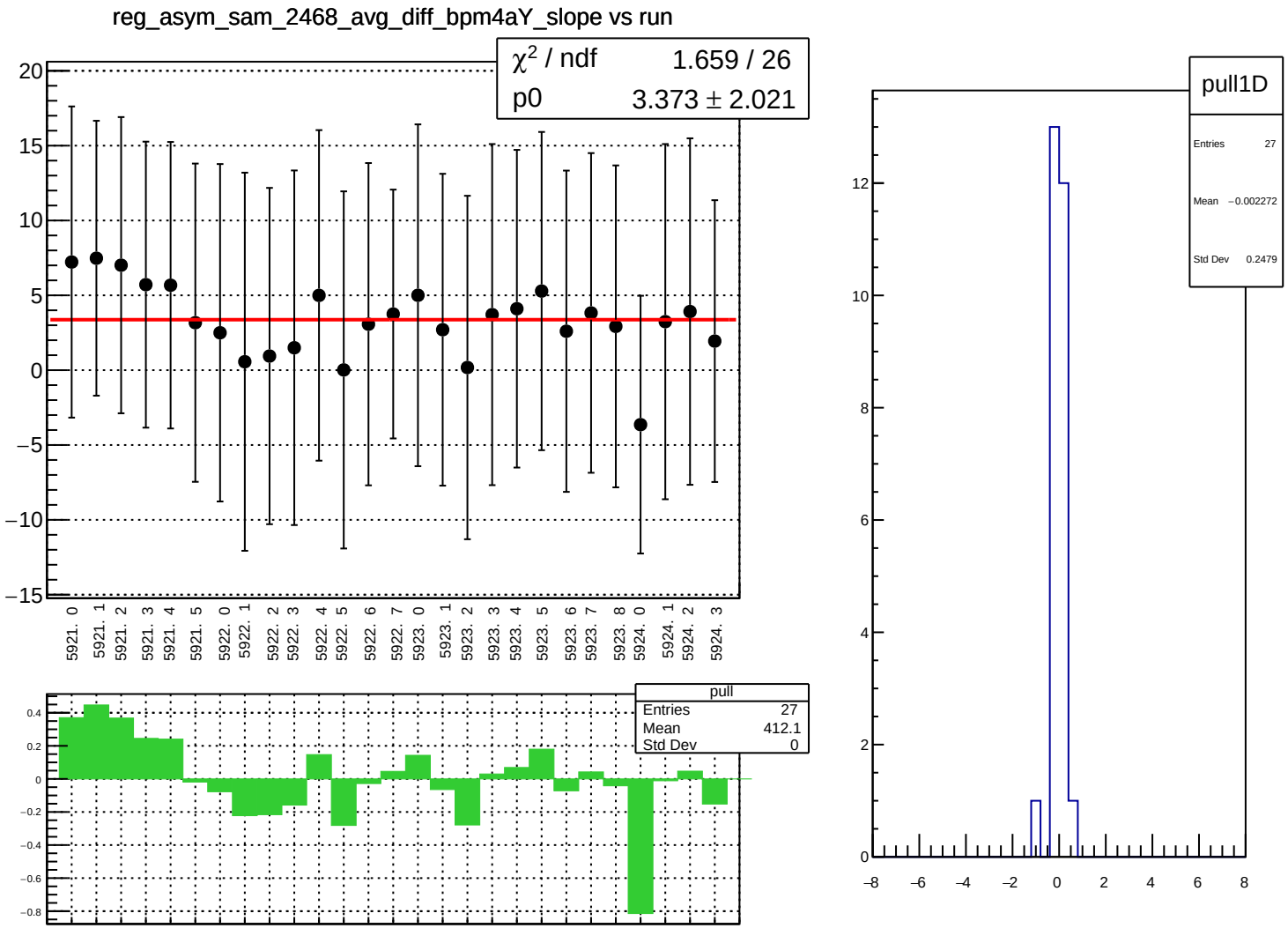

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.127 / 26
p0 −45.41± 1.09
−35
−40
−45
−50
−55
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −181.6
Std Dev 0
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 27
Mean 0.00355
Std Dev 0.2043
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

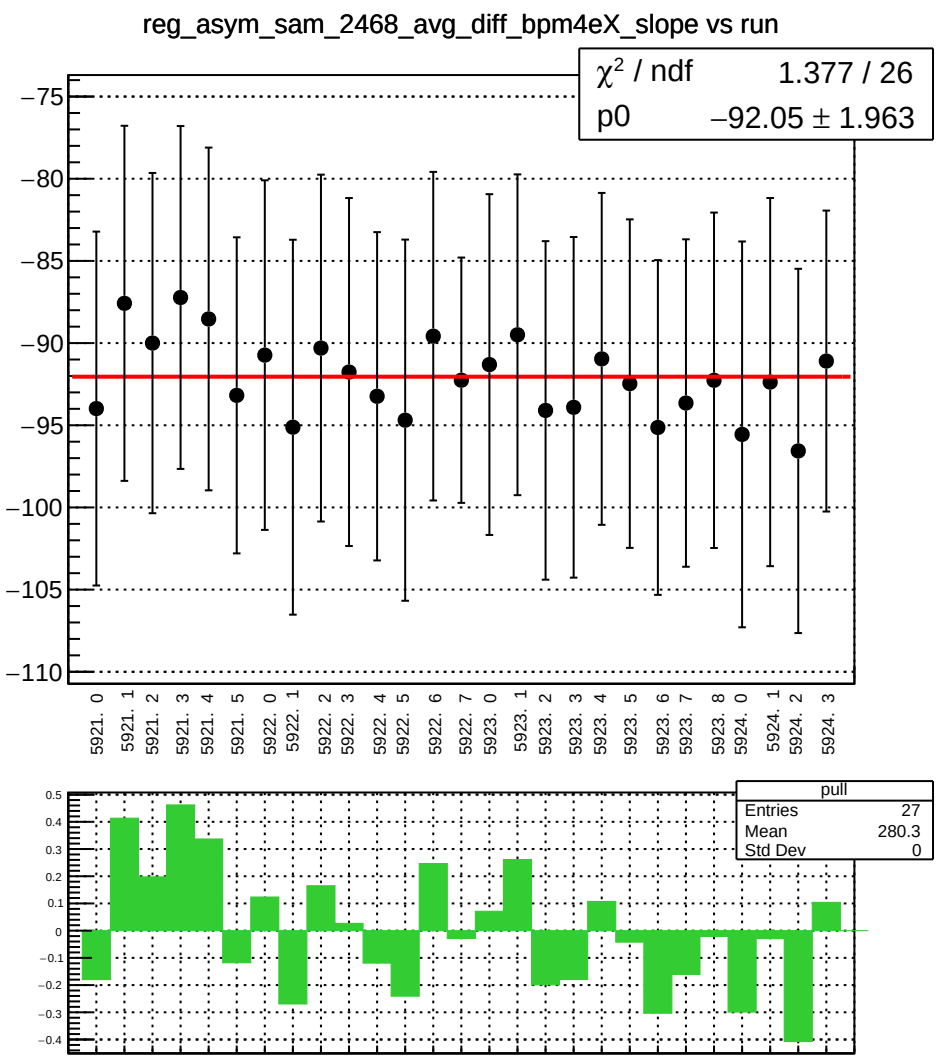

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.961 / 26
p0 27.18 ± 1.238
40
35
30
25
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −43.07
Std Dev 0
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
pull1D
Entries 27
Mean −0.01167
Std Dev 0.331
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

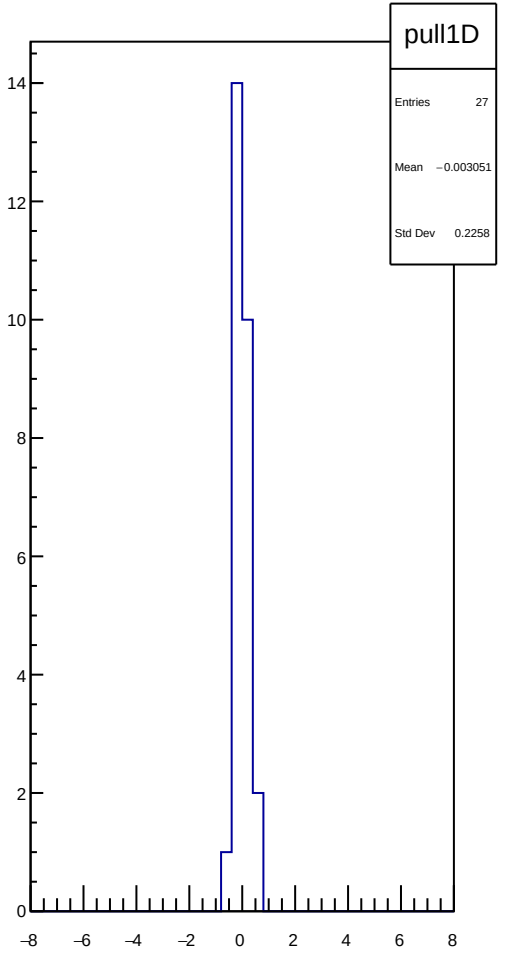

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 1.97 / 26
p0 −0.2449 ± 0.08429
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −53.07
Std Dev 0
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 27
Mean −0.01498
Std Dev 0.2697
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

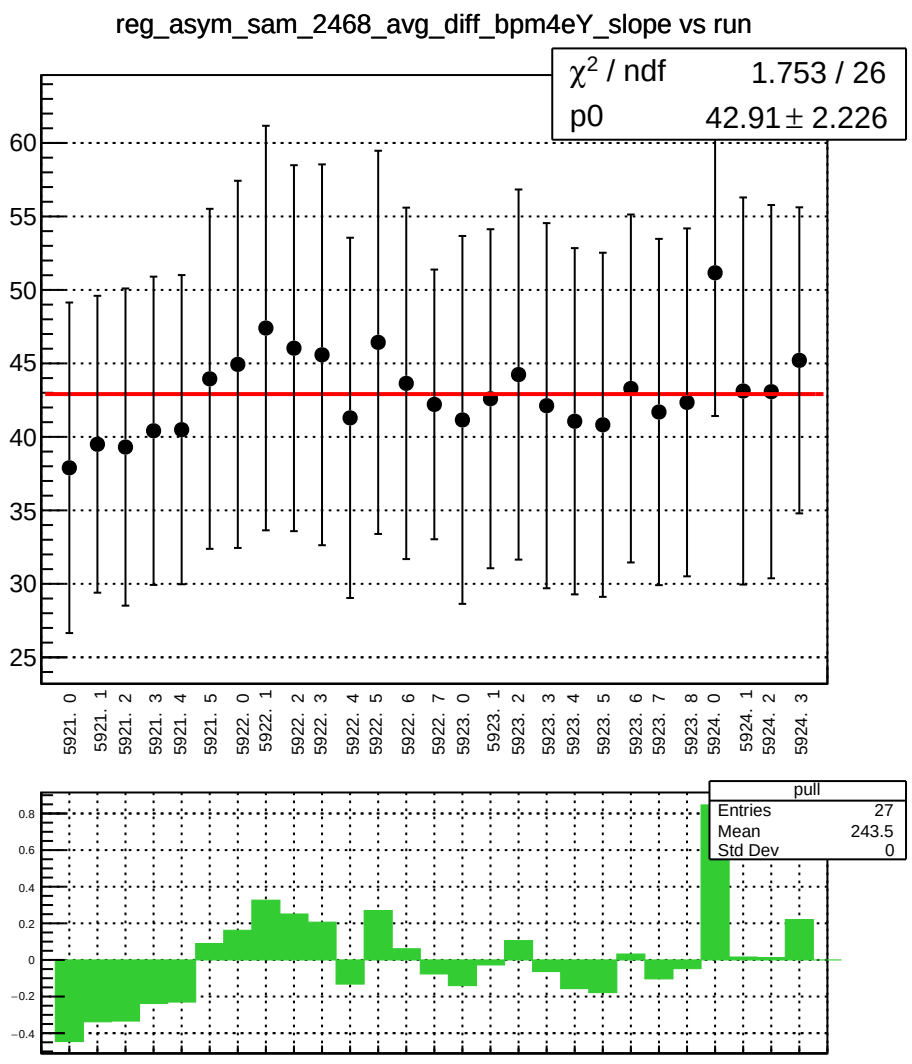

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 1.504 / 26
p0 −1.17 ± 1.378
10
5
0
−5
−10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −787.8
Std Dev 0
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4

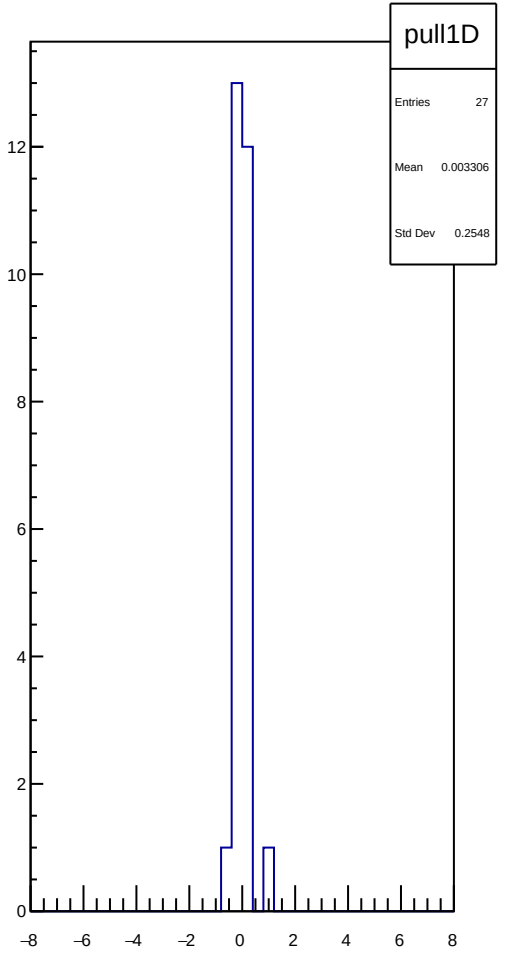

pull1D
Entries 27
Mean −0.0009837
Std Dev 0.236
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

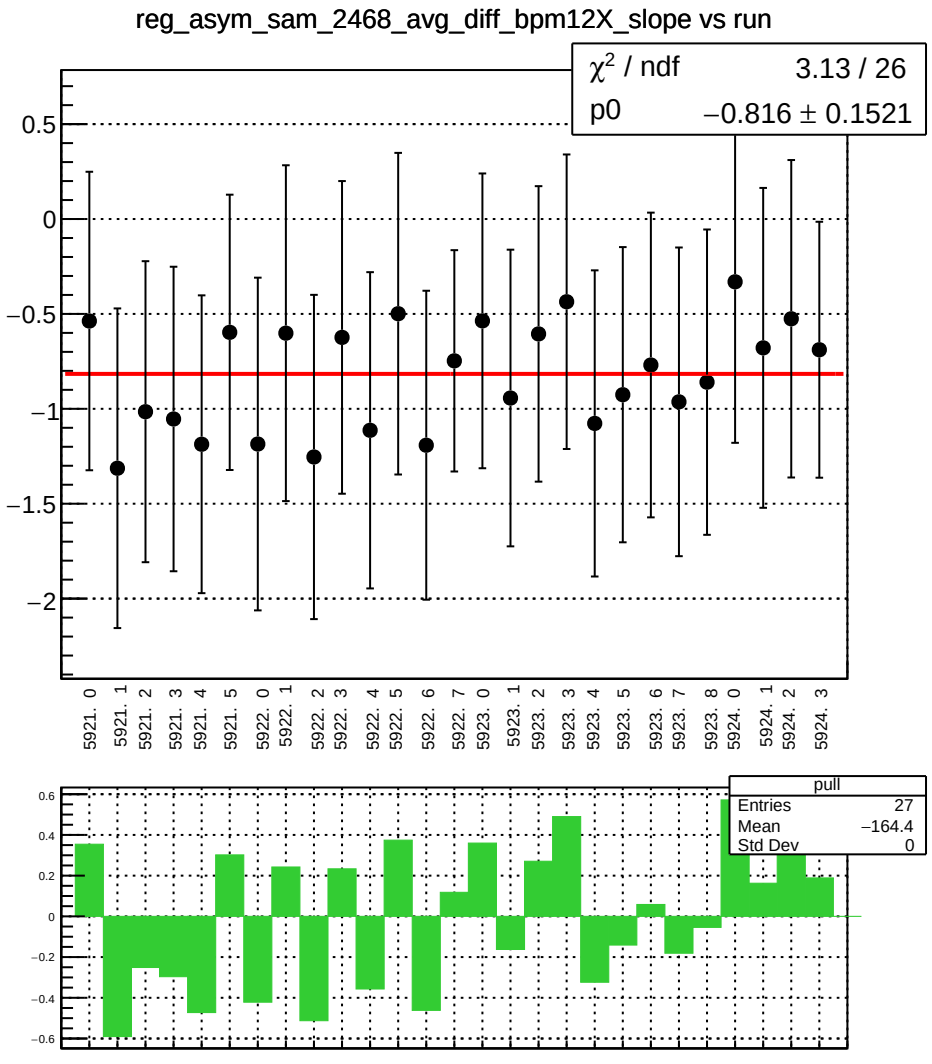

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.659 / 26
p0 3.373 ± 2.021
20
15
10
5
0
−5
−10
−15
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 412.1
Std Dev 0
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 27
Mean −0.002272
Std Dev 0.2479
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

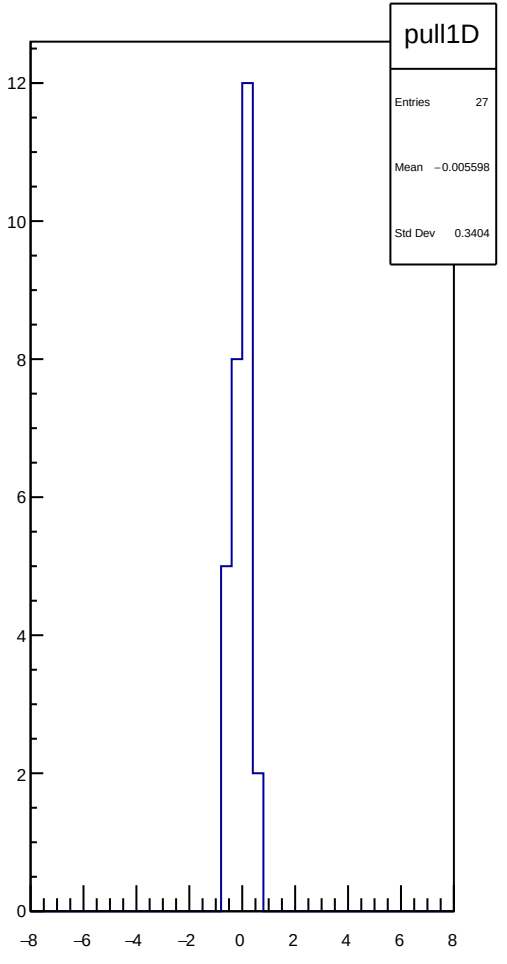

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.377 / 26
p0 −92.05 ± 1.963
−75
−80
−85
−90
−95
−100
−105
−110
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 280.3
Std Dev 0
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4


pull1D
Entries 27
Mean −0.003051
Std Dev 0.2258
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

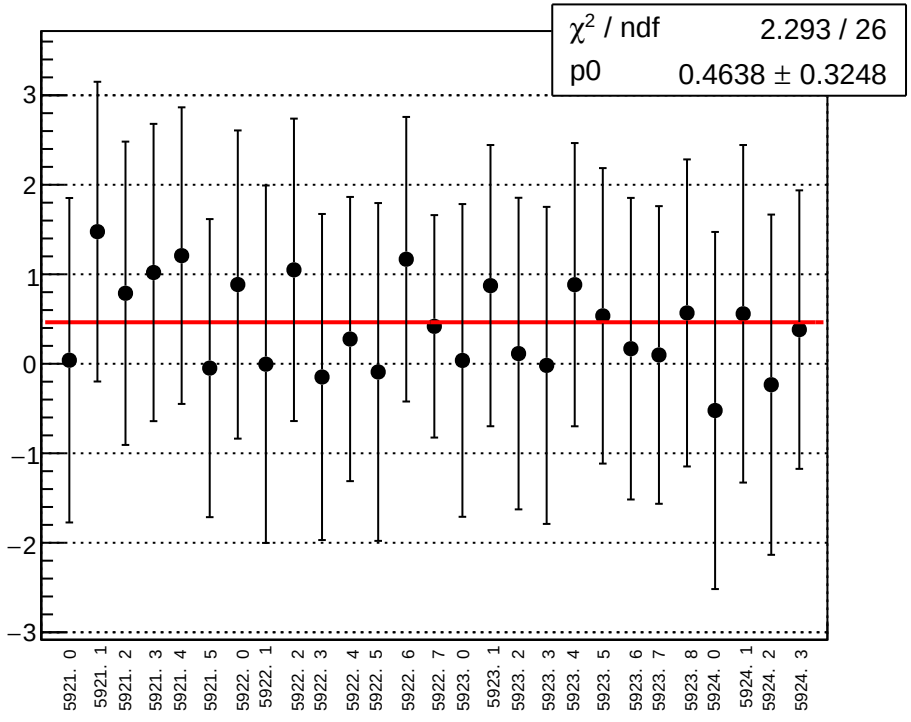

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.753 / 26
p0 42.91 ± 2.226
60
55
50
45
40
35
30
25
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 243.5
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4

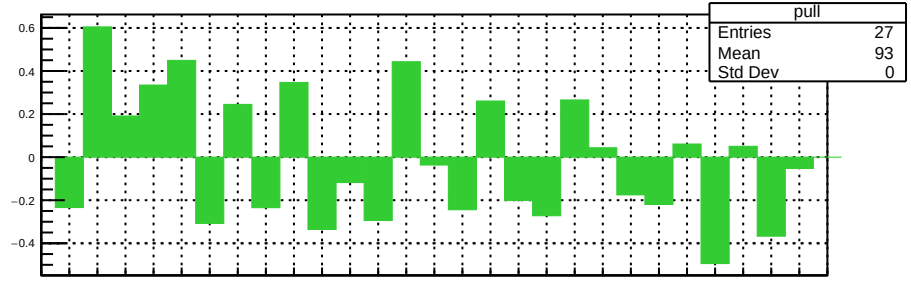

pull1D
Entries 27
Mean 0.003306
Std Dev 0.2548
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

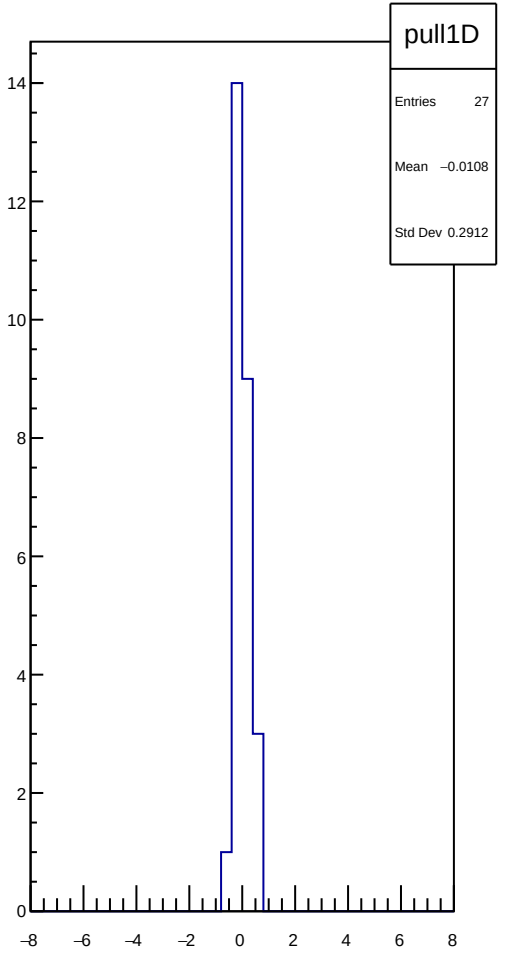

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 3.13 / 26
p0 −0.816 ± 0.1521
0.5
0
−0.5
−1
−1.5
−2
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −164.4
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

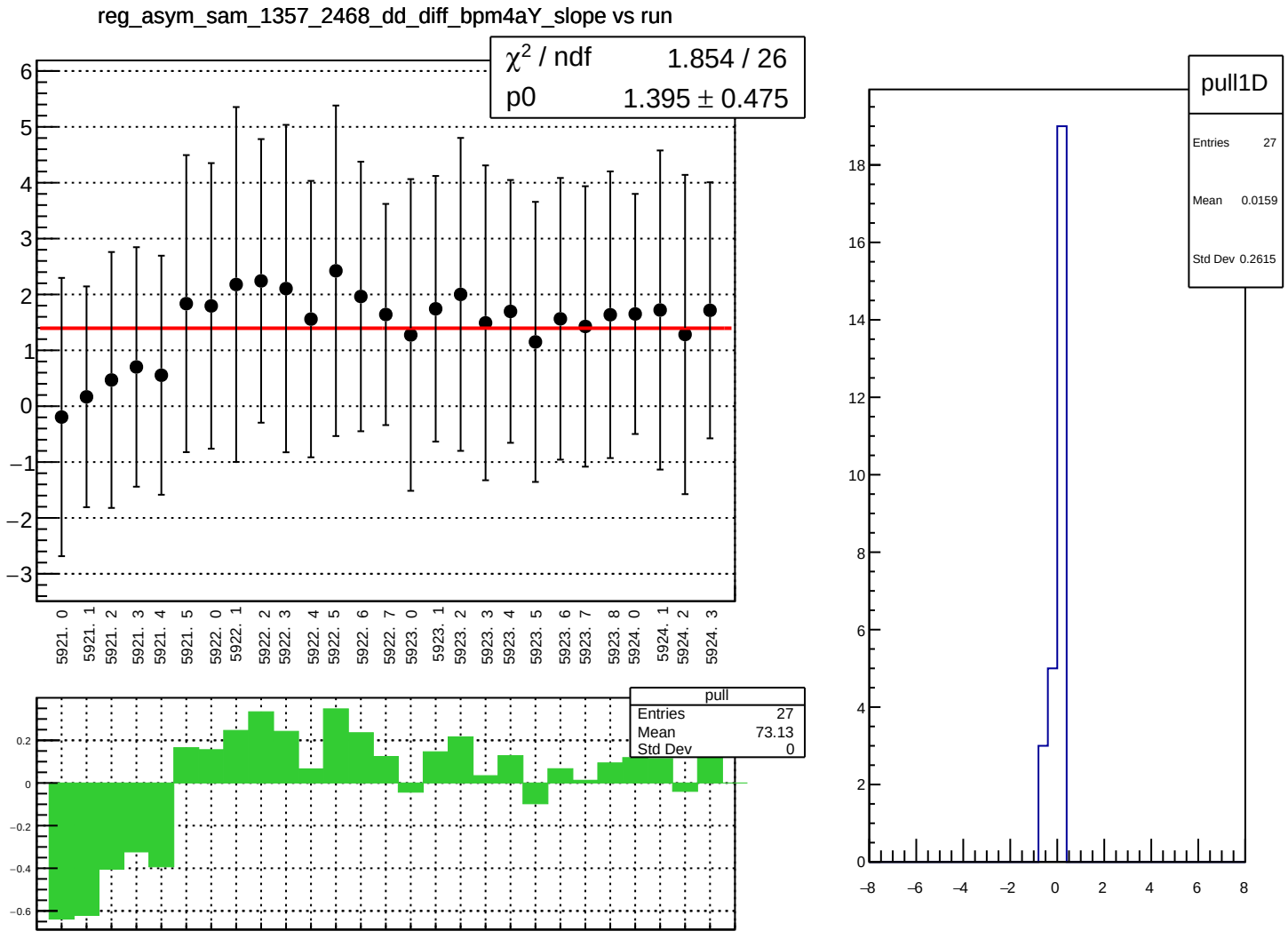

pull1D
Entries 27
Mean −0.005598
Std Dev 0.3404
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

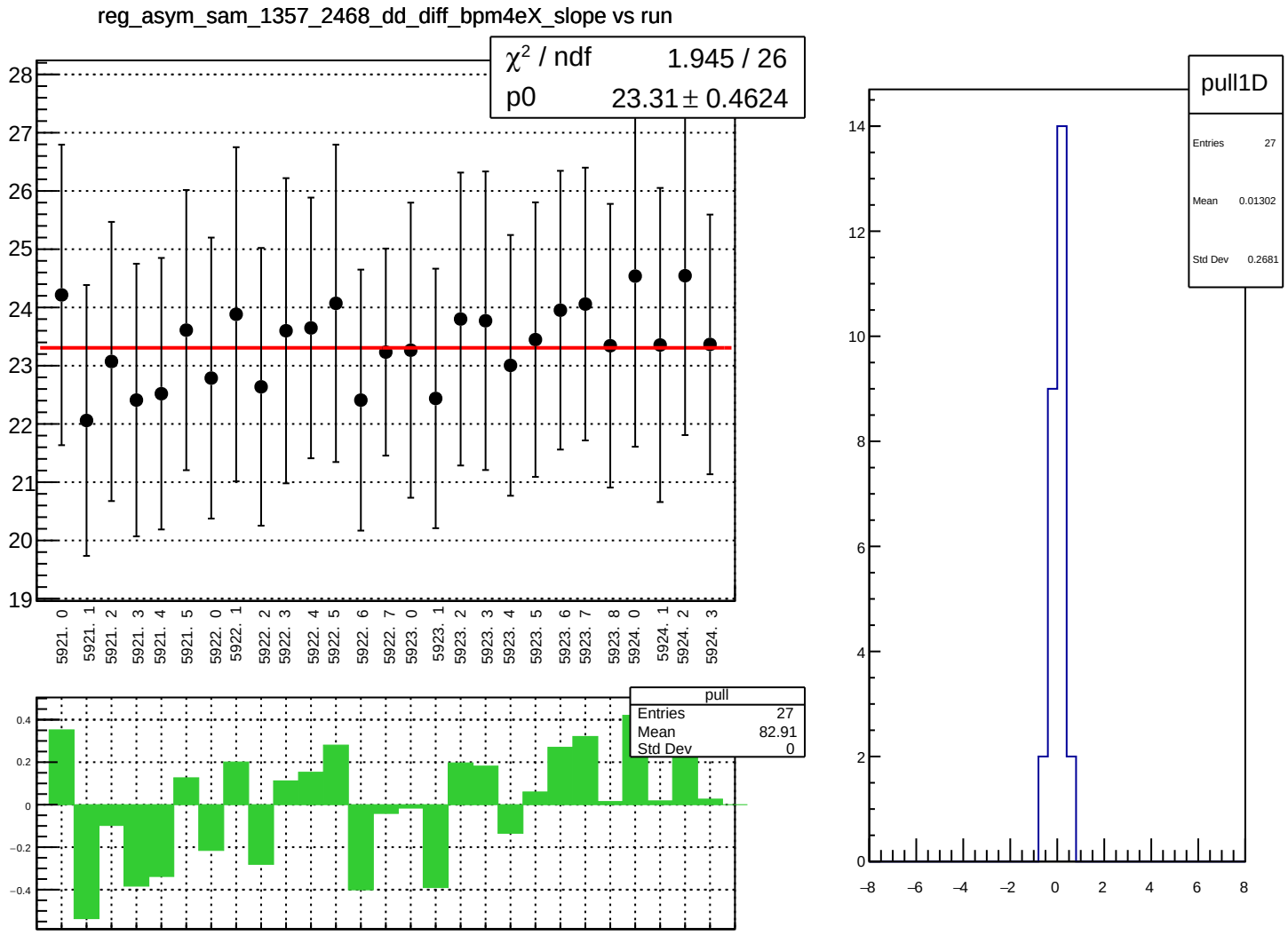
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run

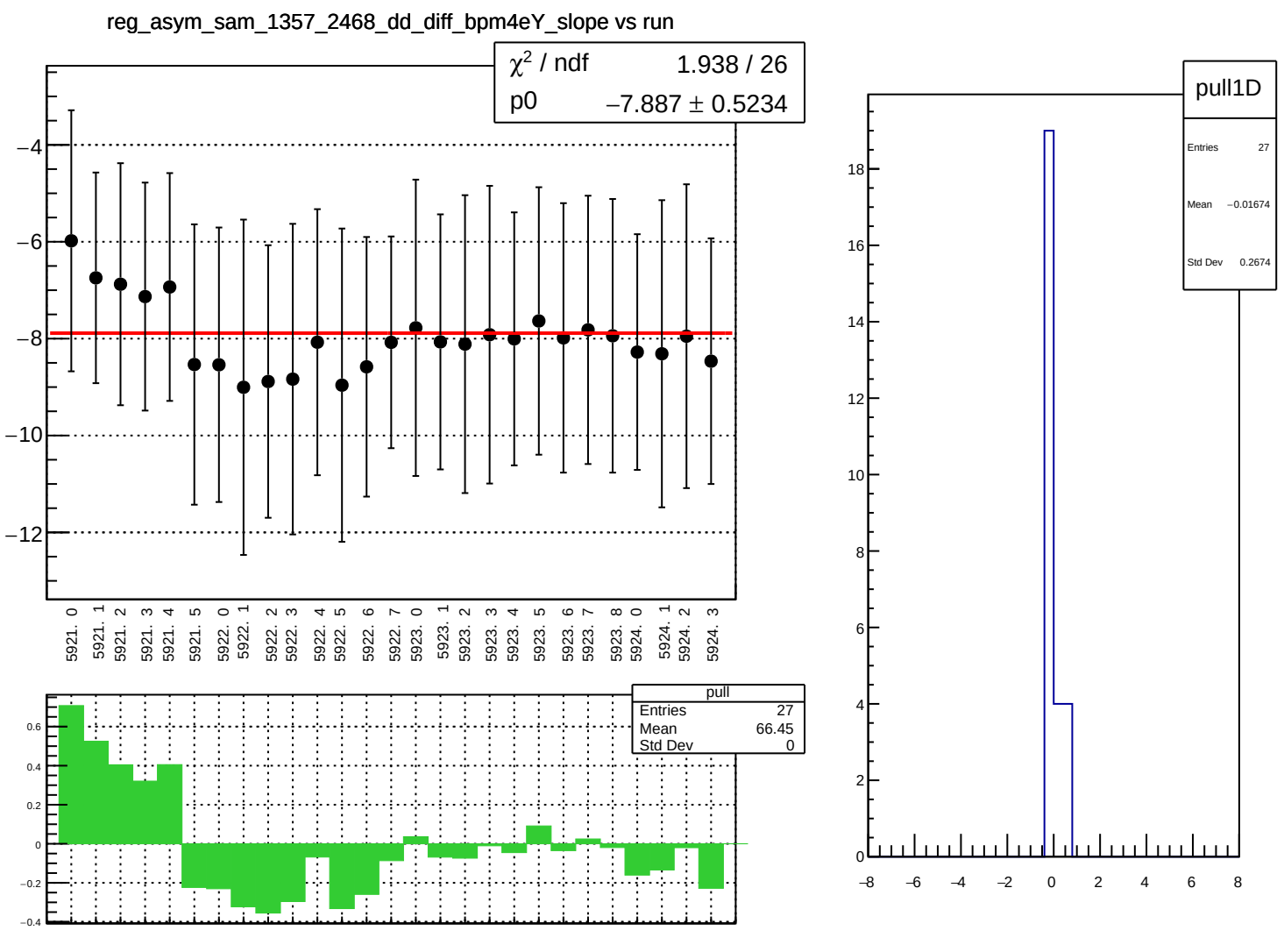


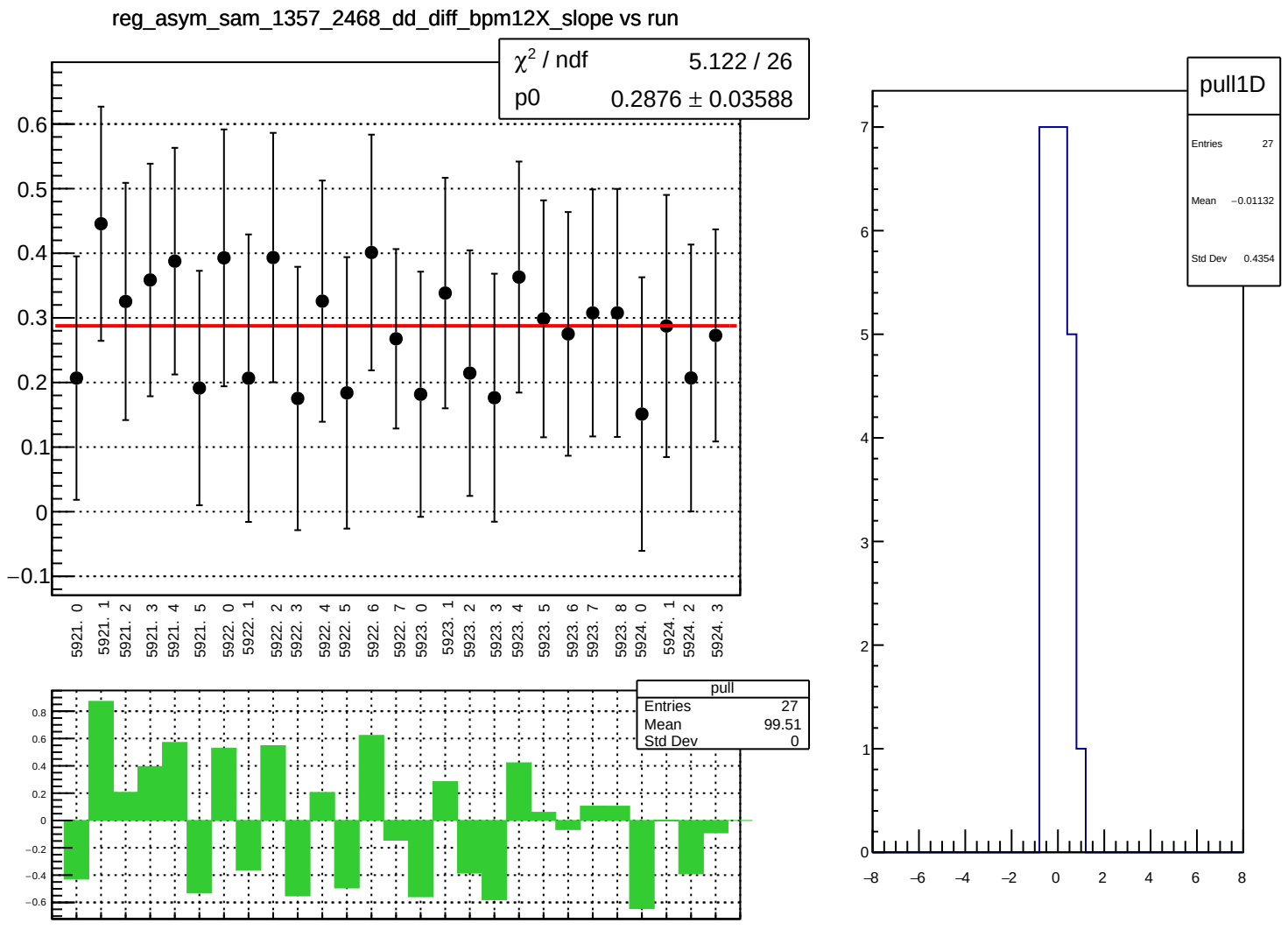


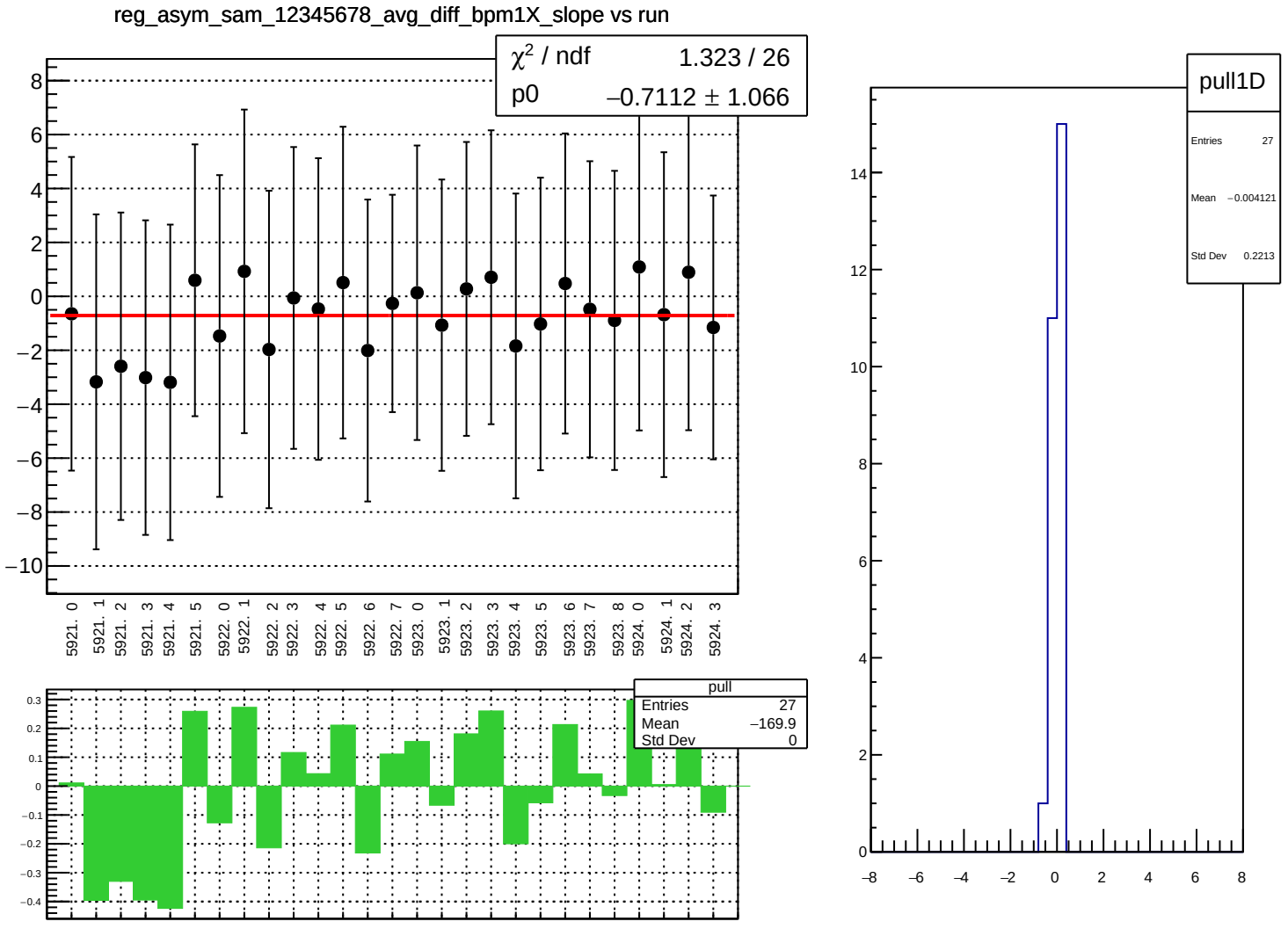


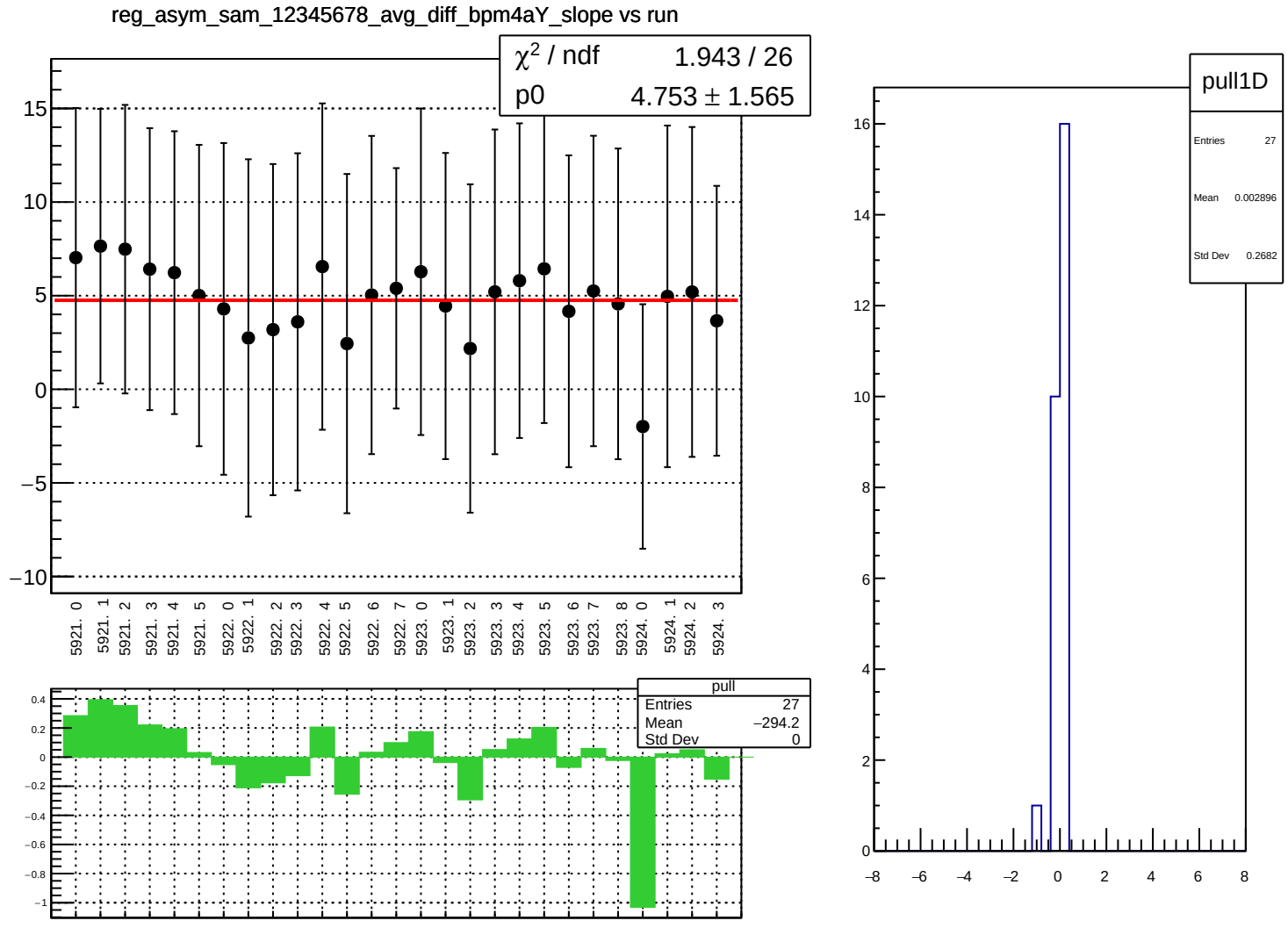

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.854 / 26
p0 1.395 ± 0.475
pull
Entries 27
Mean 73.13
Std Dev 0
pull1D
Entries 27
Mean 0.0159
Std Dev 0.2615

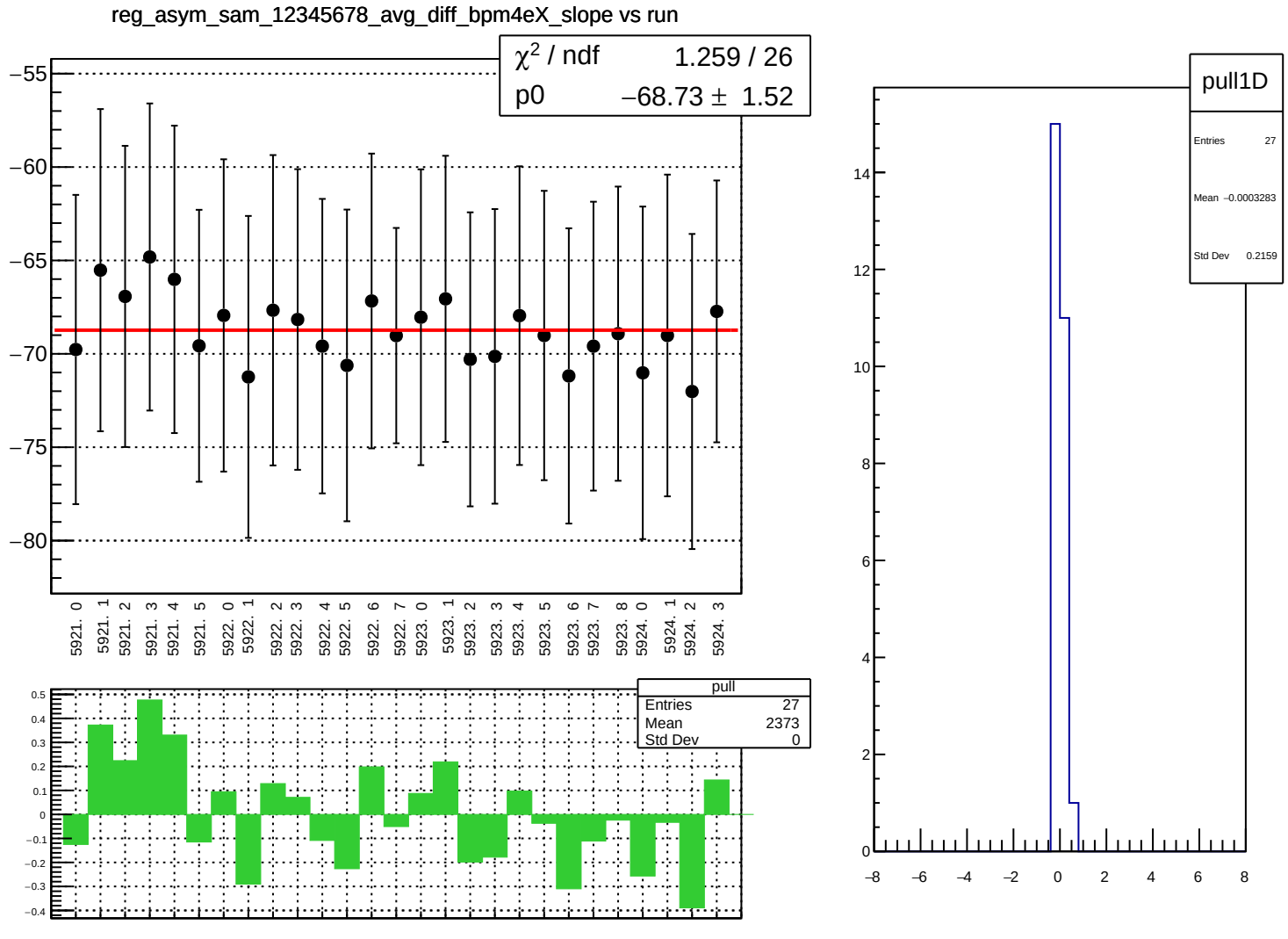

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.945 / 26
p0 23.31 ± 0.4624
28
27
26
25
24
23
22
21
20
19
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 82.91
Std Dev 0
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 27
Mean 0.01302
Std Dev 0.2681
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

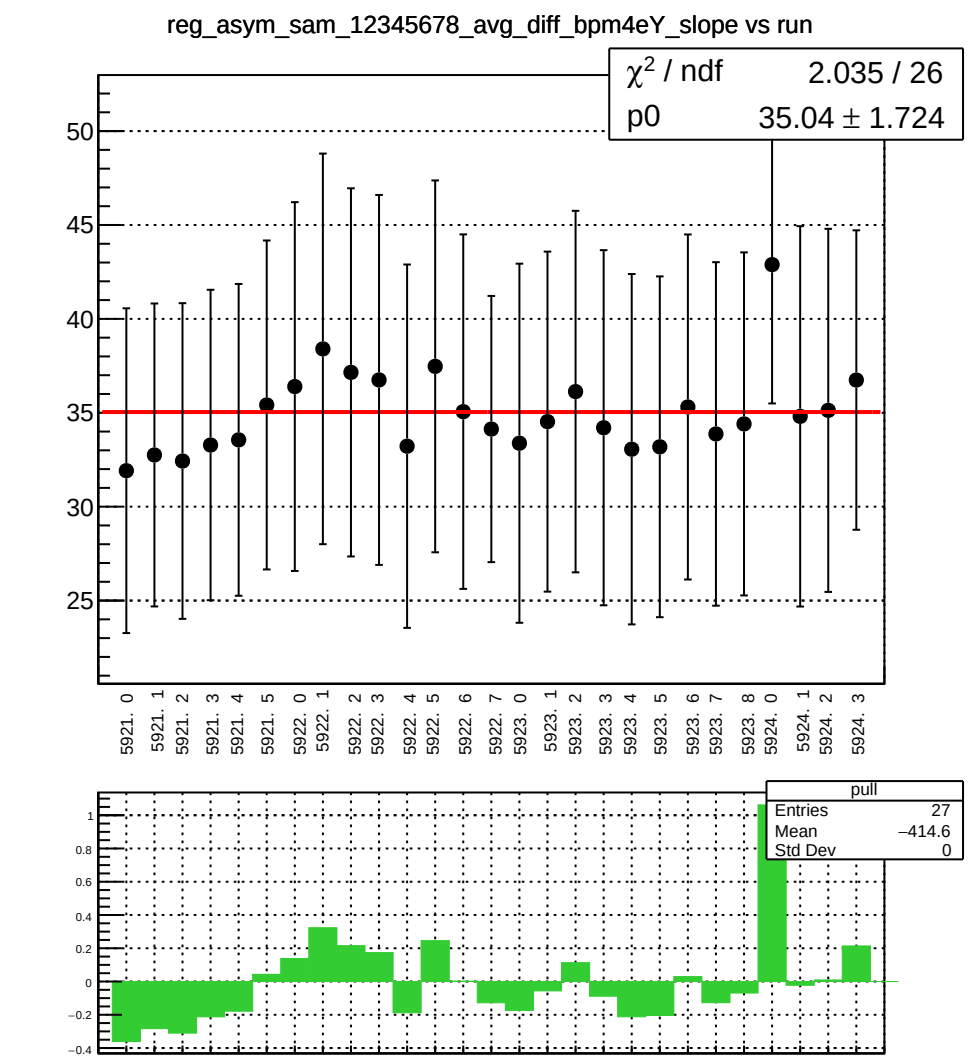

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.938 / 26
p0 −7.887 ± 0.5234
−4
−6
−8
−10
−12
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 66.45
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 27
Mean −0.01674
Std Dev 0.2674
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

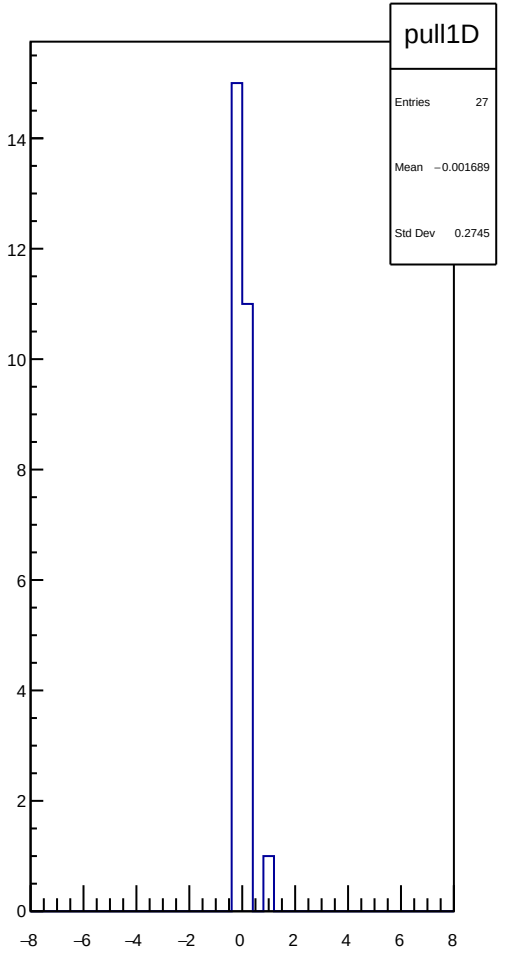

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 5.122 / 26
p0 0.2876 ± 0.03588
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 99.51
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 27
Mean −0.01132
Std Dev 0.4354
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

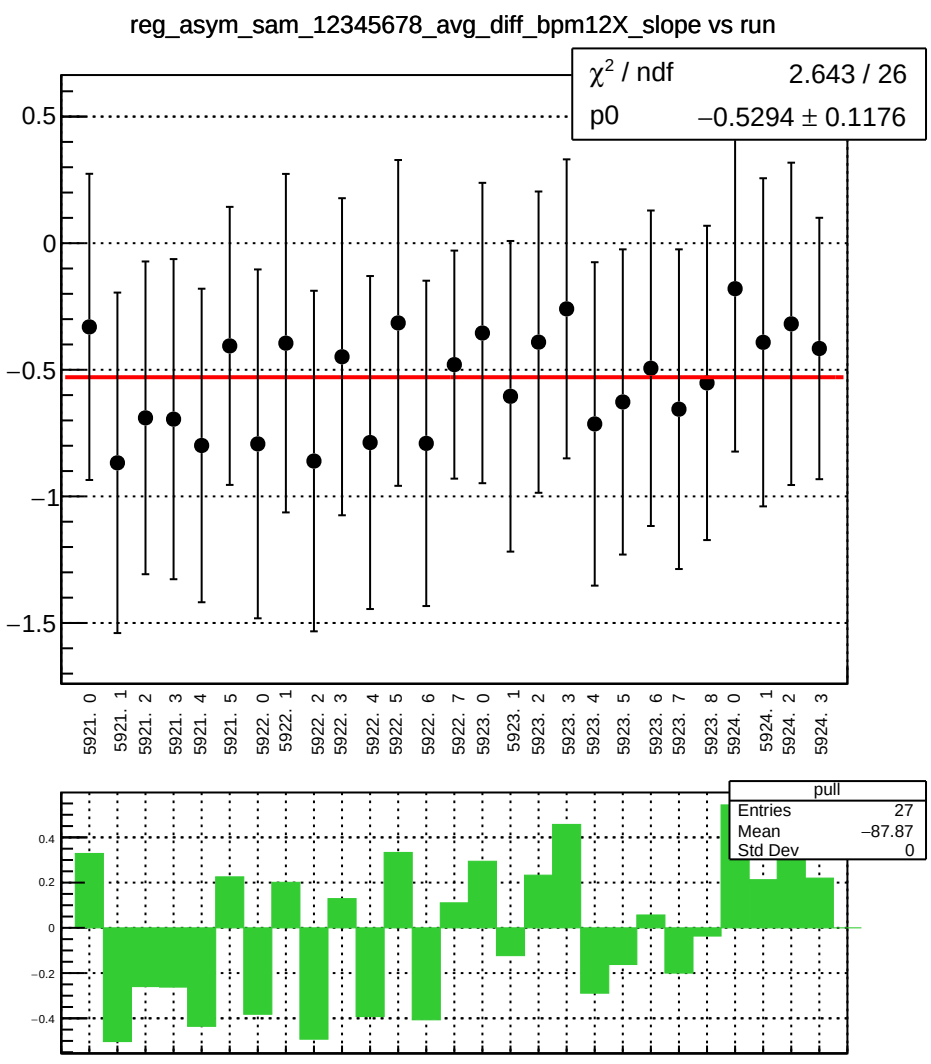

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 1.323 / 26
p0 −0.7112 ± 1.066
pull
Entries 27
Mean −169.9
Std Dev 0
pull1D
Entries 27
Mean −0.004121
Std Dev 0.2213

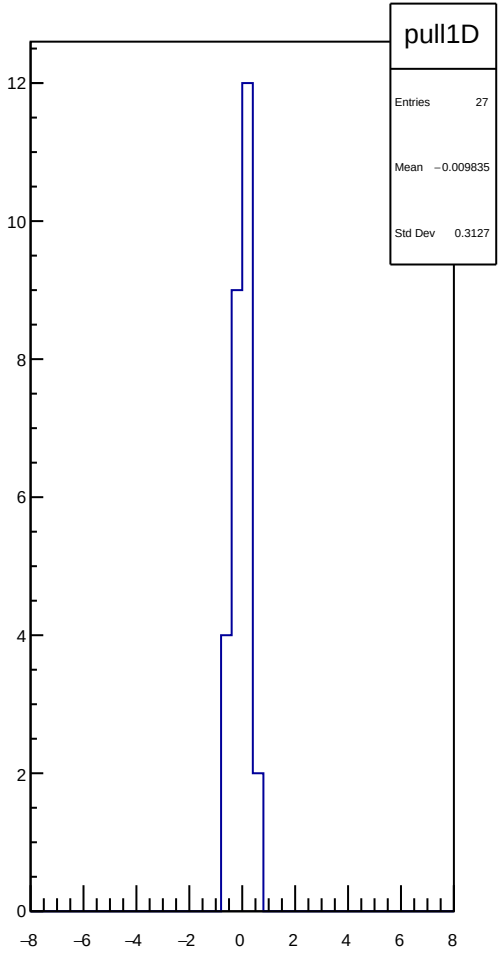

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.943 / 26
p0 4.753 ± 1.565
15
10
5
0
−5
−10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −294.2
Std Dev 0
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 27
Mean 0.002896
Std Dev 0.2682
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

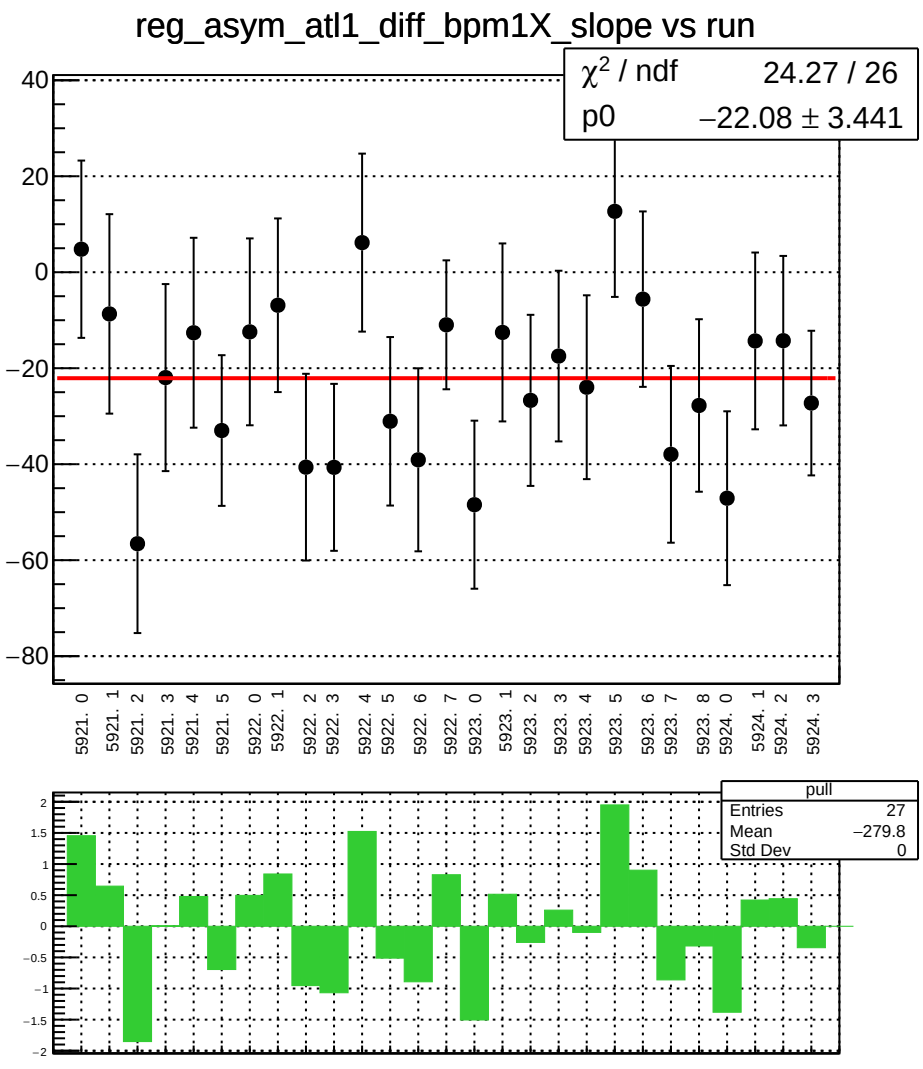

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.259 / 26
p0 −68.73 ± 1.52
−55
−60
−65
−70
−75
−80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 2373
Std Dev 0
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
pull1D
Entries 27
Mean −0.0003283
Std Dev 0.2159
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

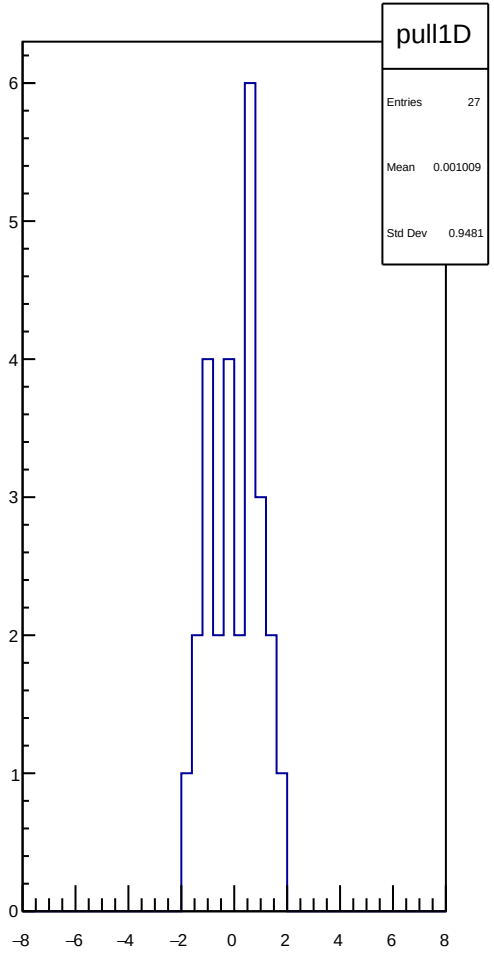

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.035 / 26
p0 35.04 ± 1.724
50
45
40
35
30
25
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −414.6
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4

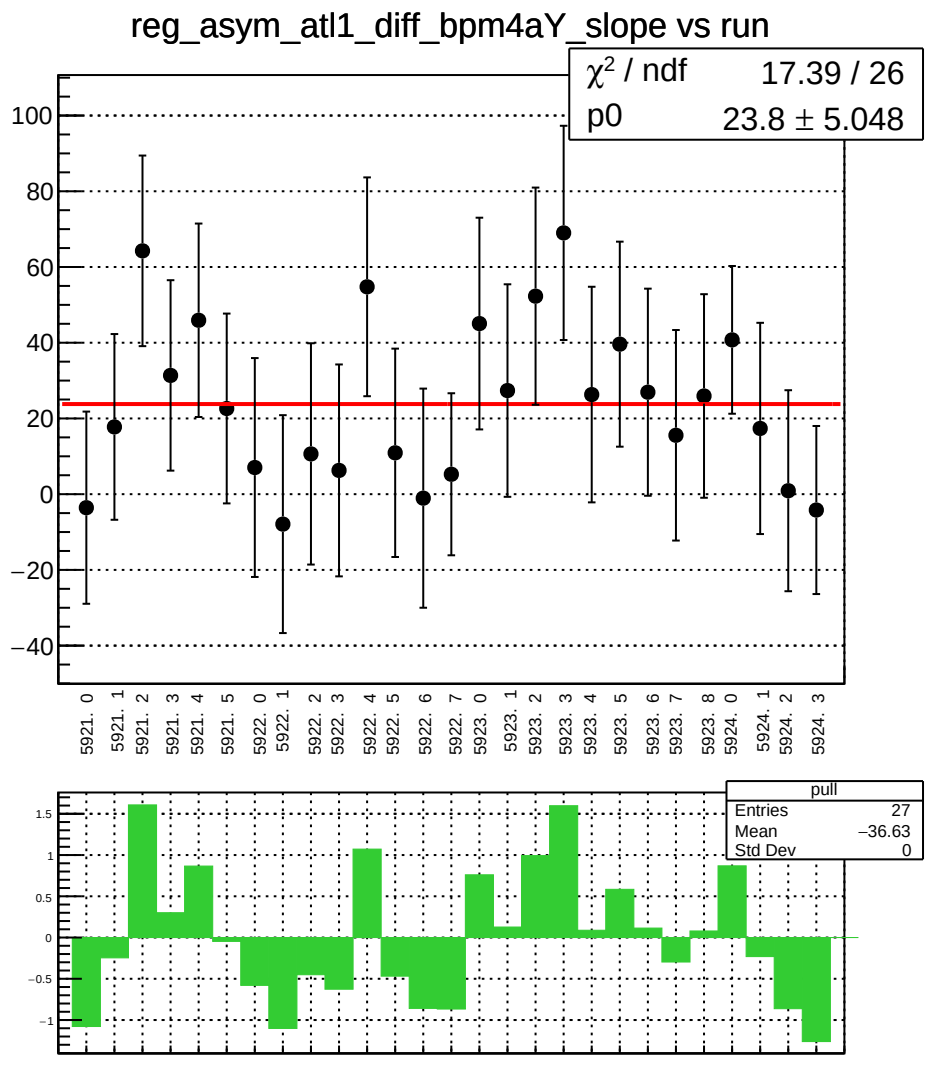

pull1D
Entries 27
Mean −0.001689
Std Dev 0.2745
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

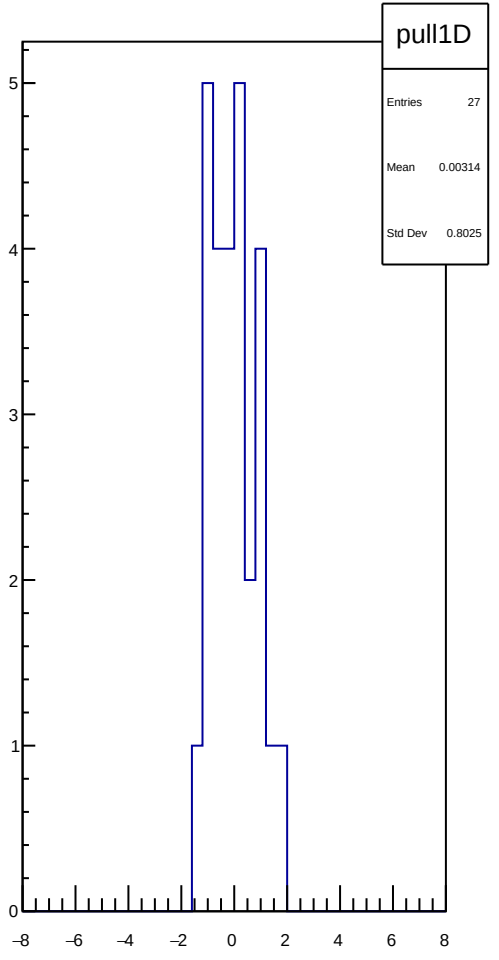

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 2.643 / 26
p0 −0.5294 ± 0.1176
0.5
0
−0.5
−1
−1.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −87.87
Std Dev 0
0.4
0.2
0
−0.2
−0.4

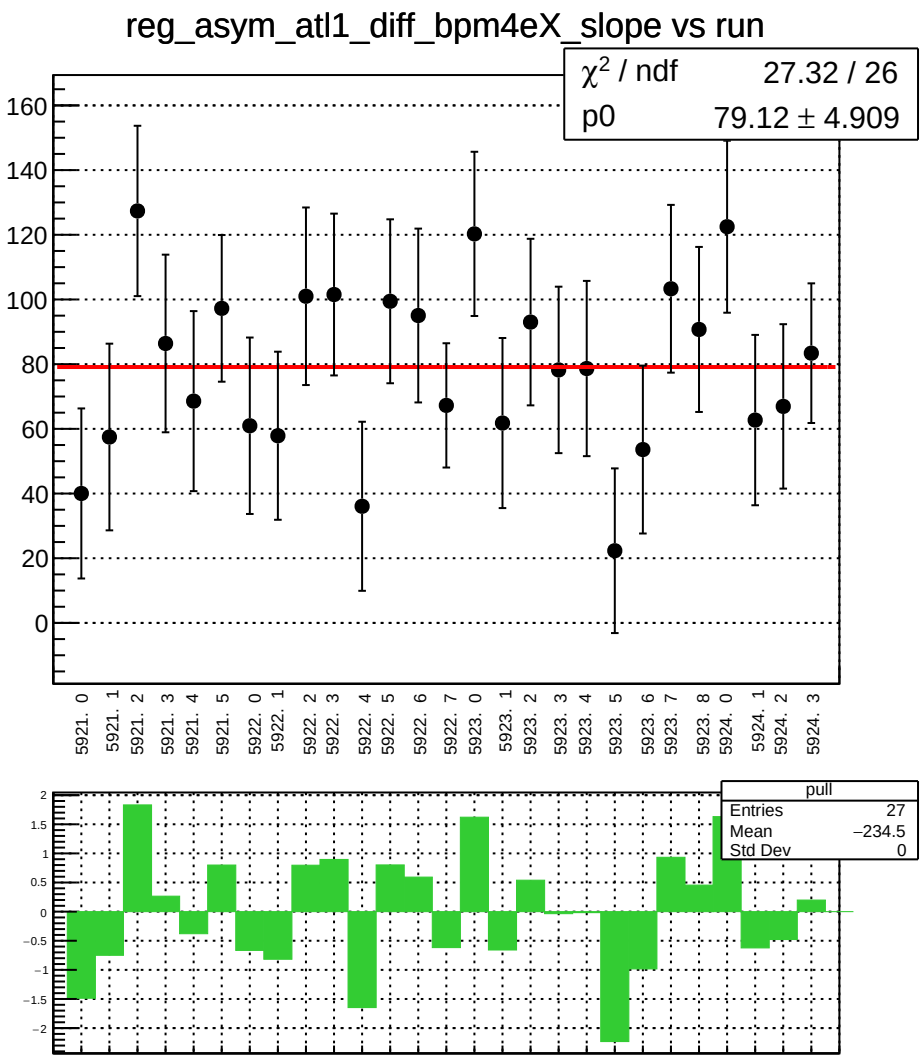

pull1D
Entries 27
Mean −0.009835
Std Dev 0.3127
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

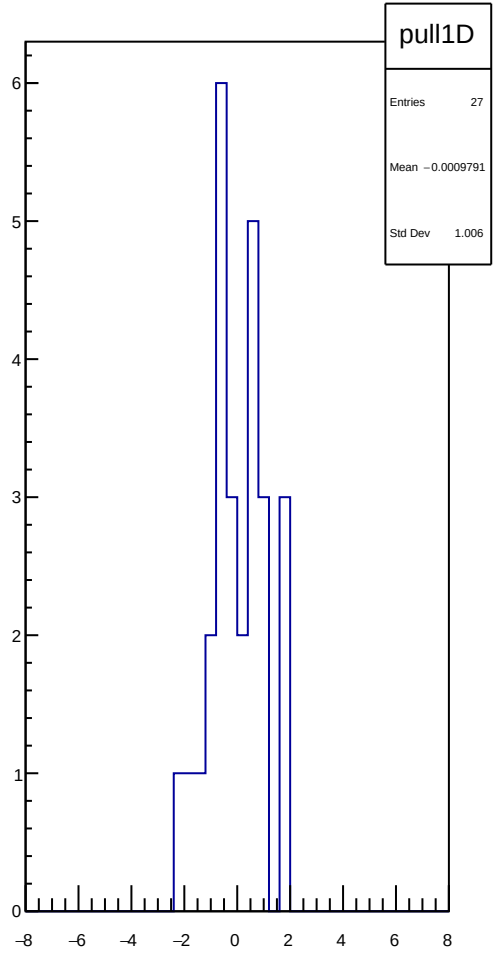

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 24.27 / 26
p0 −22.08 ± 3.441
pull
Entries 27
Mean −279.8
Std Dev 0

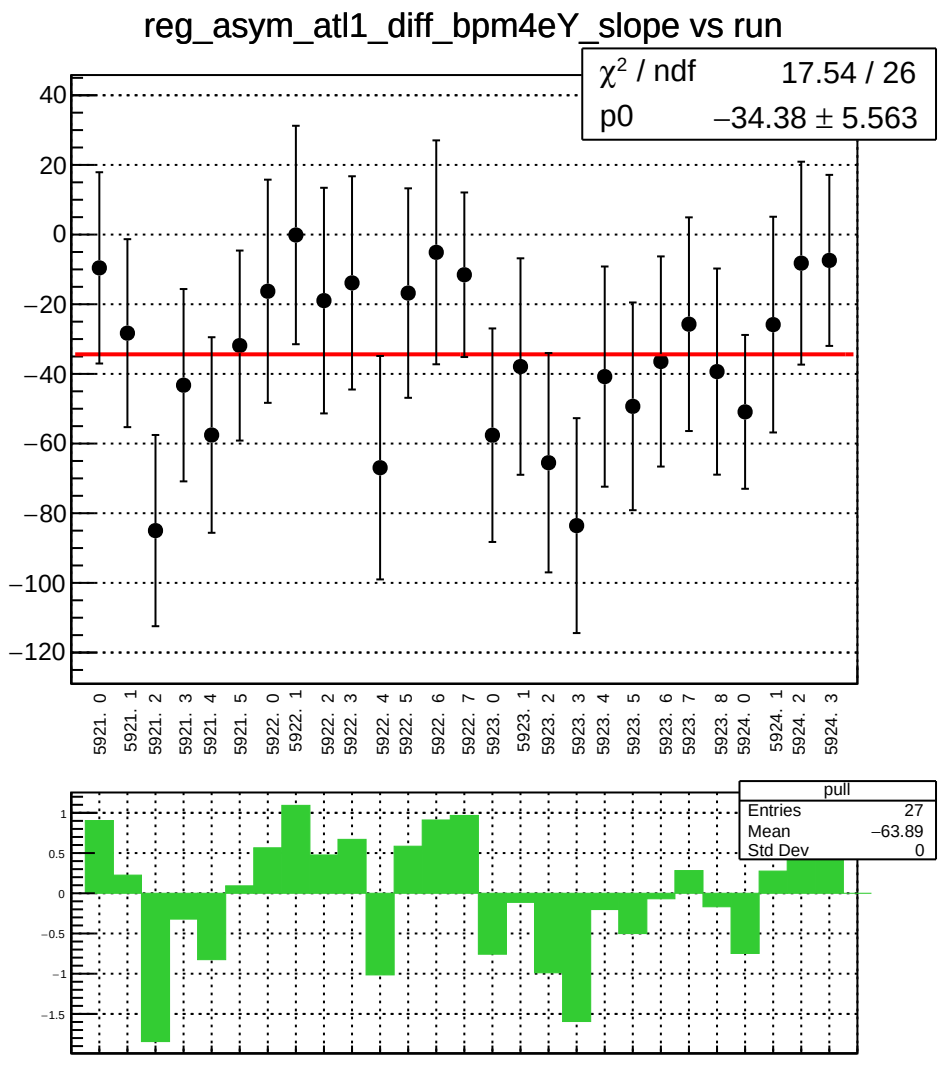

pull1D
Entries 27
Mean 0.001009
Std Dev 0.9481

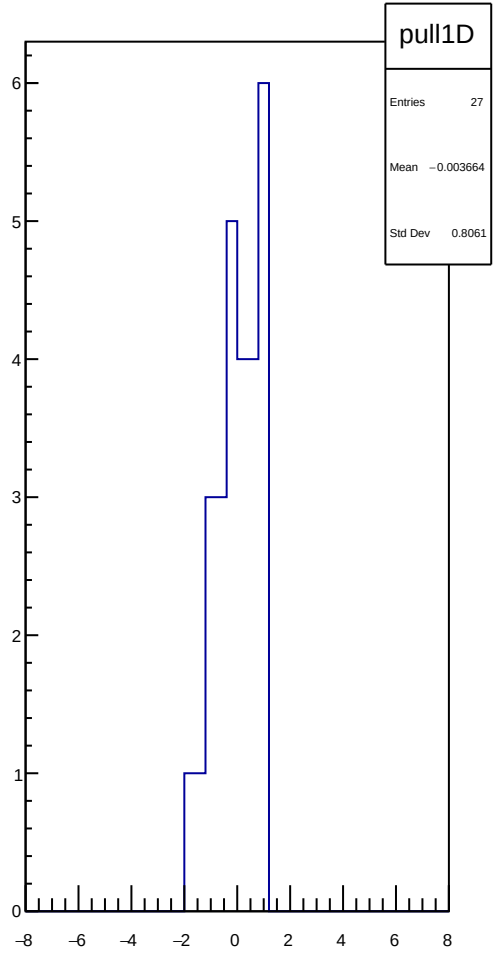

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 17.39 / 26
p0 23.8 ± 5.048
100
80
60
40
20
0
−20
−40
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −36.63
Std Dev 0
1.5
1
0.5
0
−0.5
−1

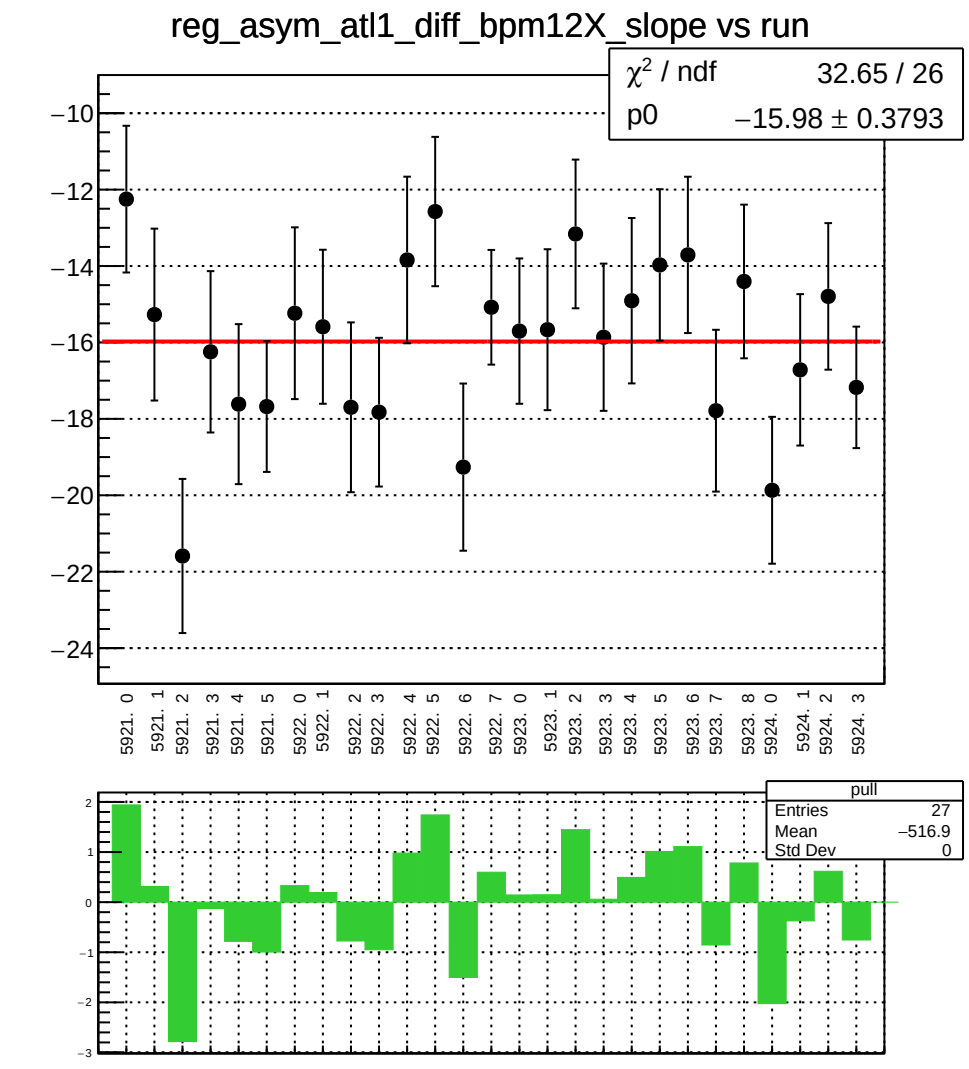

pull1D
Entries 27
Mean 0.00314
Std Dev 0.8025
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

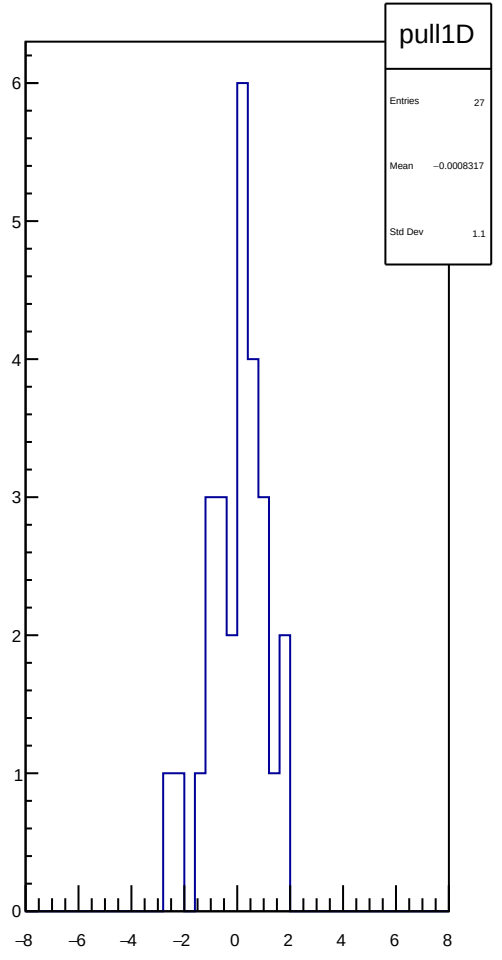

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 27.32 / 26
p0 79.12 ± 4.909
160
140
120
100
80
60
40
20
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −234.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

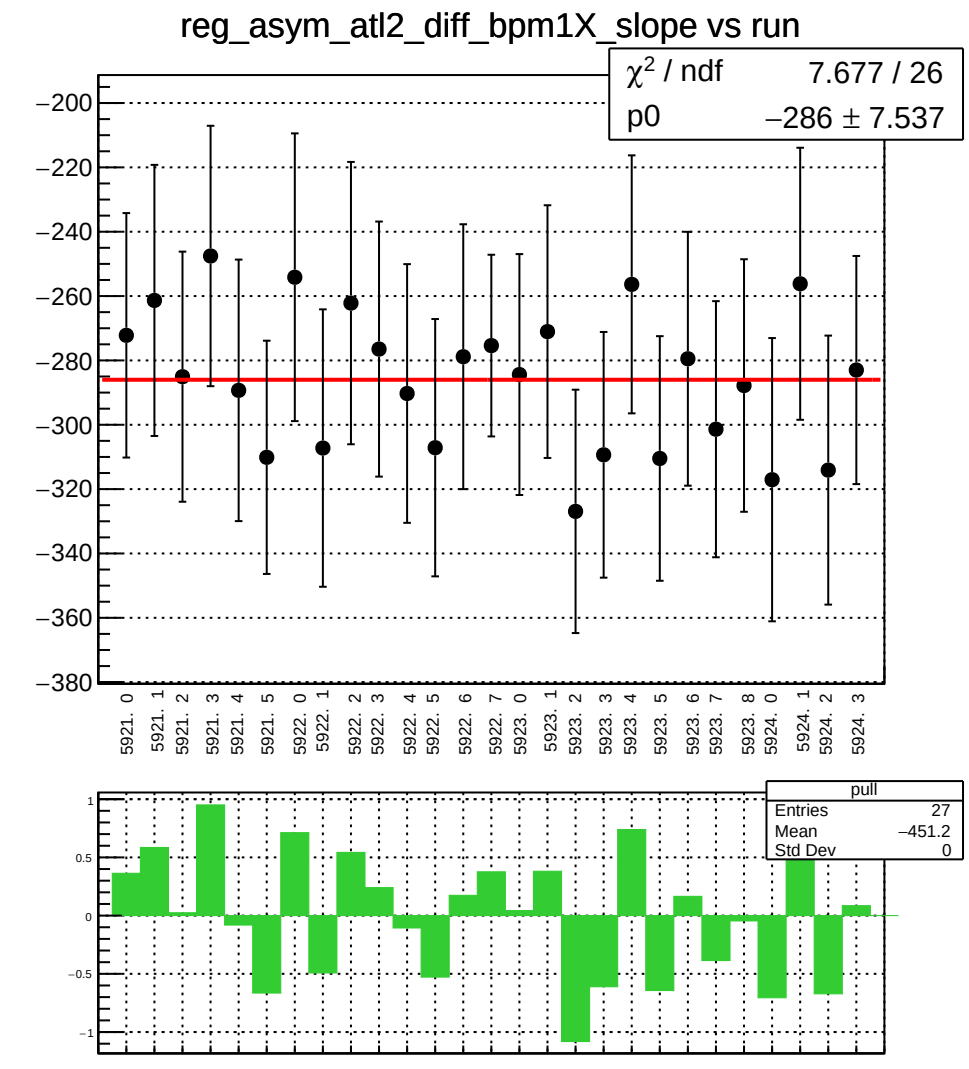

pull1D
Entries 27
Mean −0.0009791
Std Dev 1.006
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

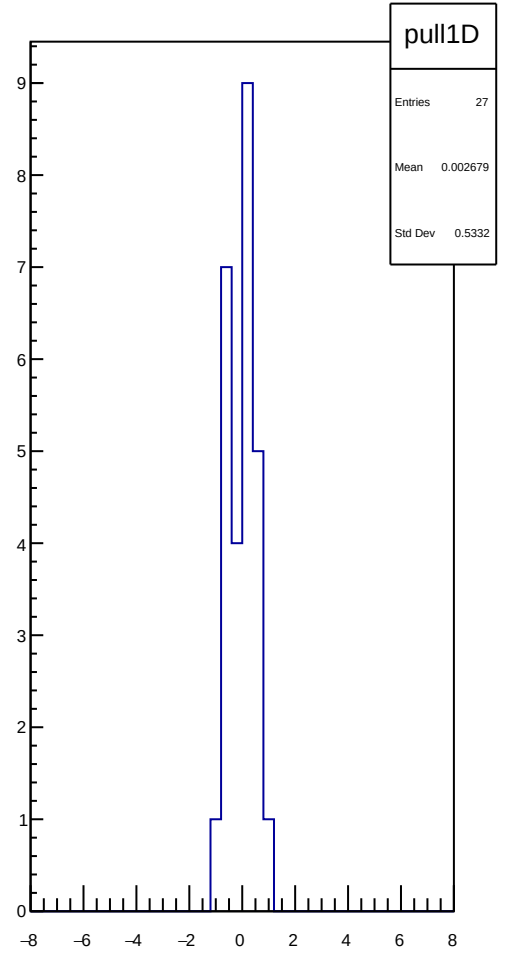

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 17.54 / 26
p0 −34.38 ± 5.563
pull
Entries 27
Mean −63.89
Std Dev 0

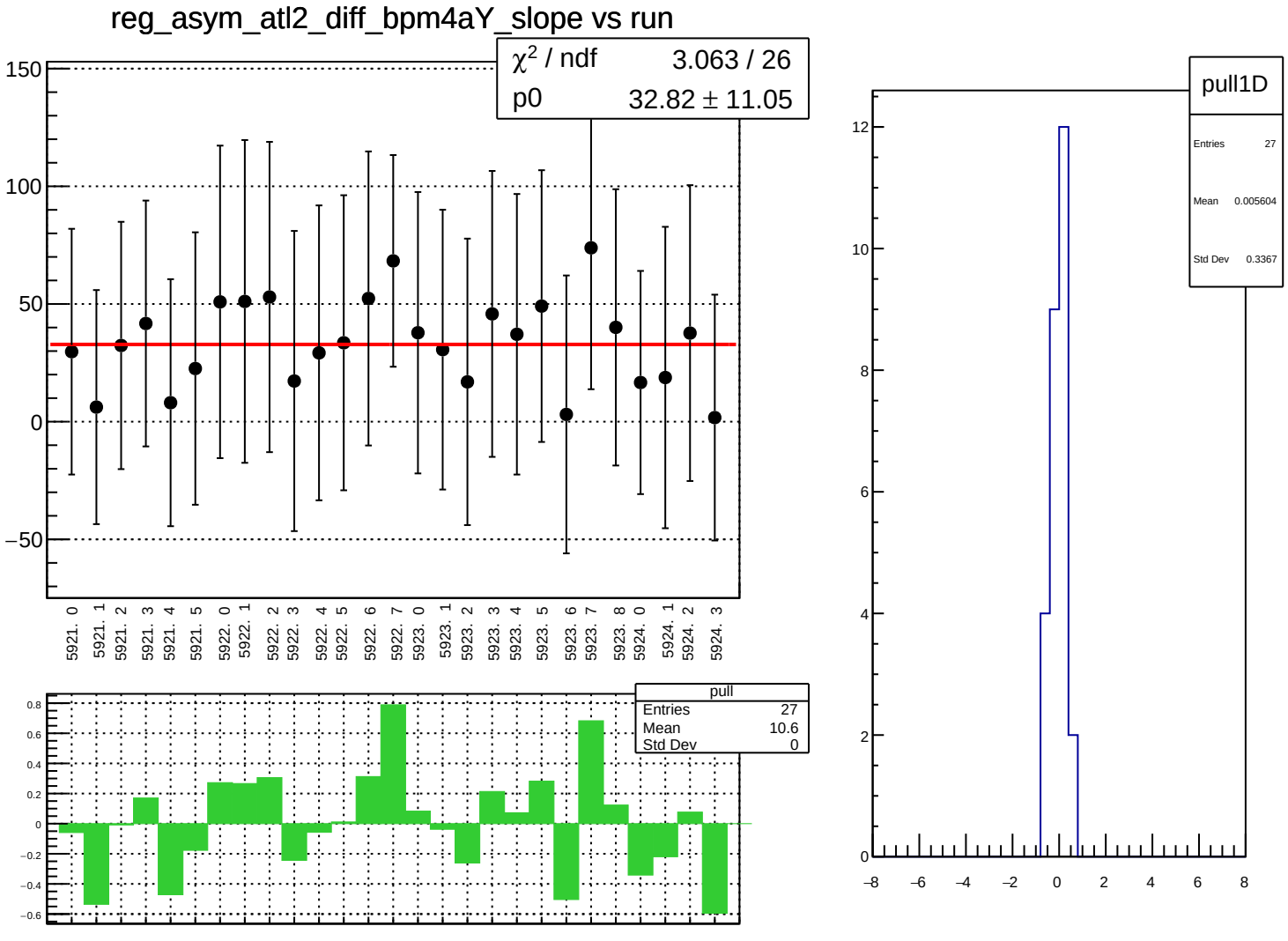

pull1D
Entries 27
Mean −0.003664
Std Dev 0.8061

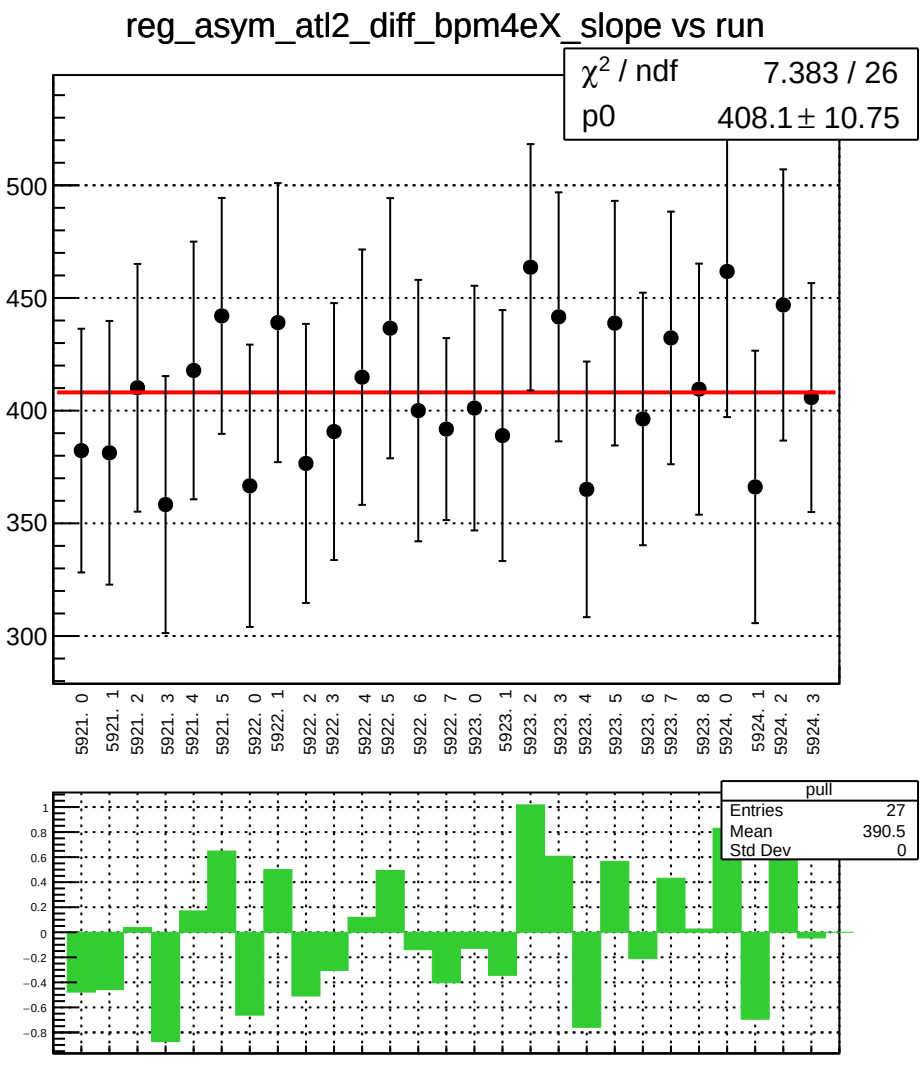

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 32.65 / 26
p0 −15.98 ± 0.3793
−10
−12
−14
−16
−18
−20
−22
−24
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −516.9
Std Dev 0
2
1
0
−1
−2
−3

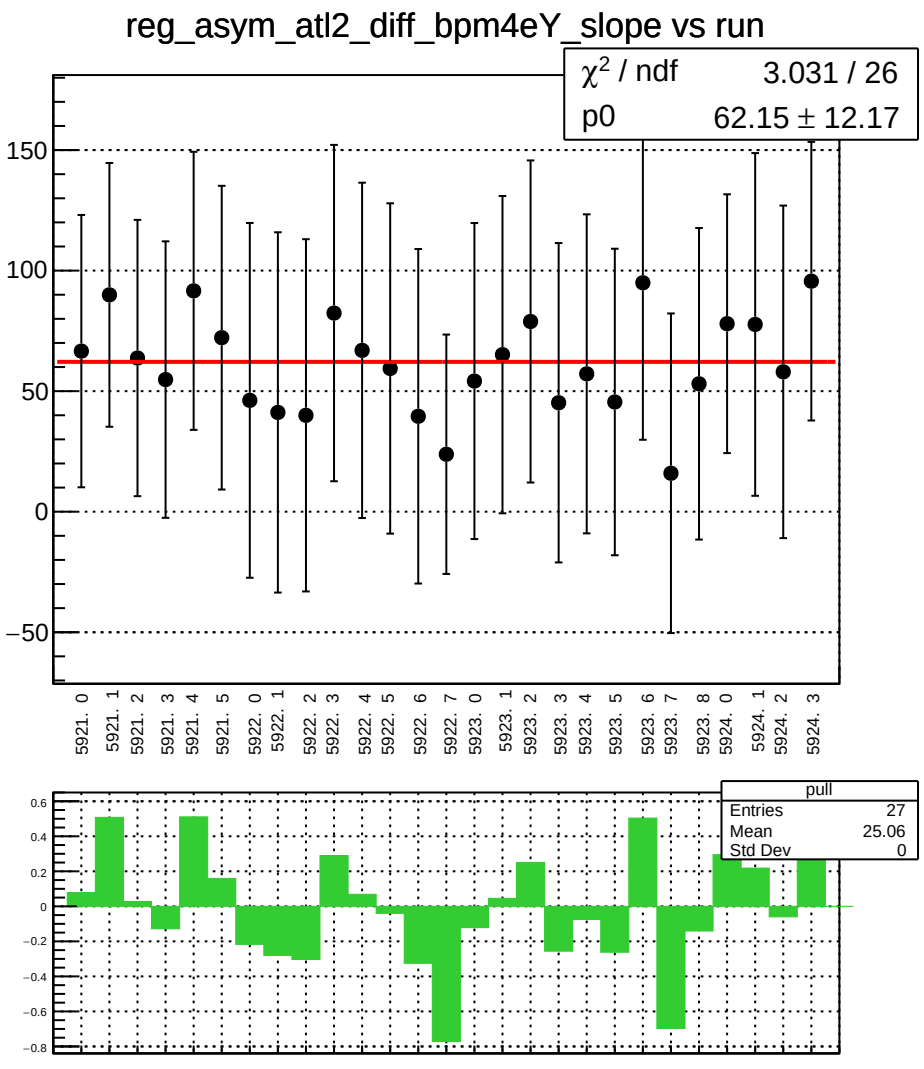

pull1D
Entries 27
Mean −0.0008317
Std Dev 1.1
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

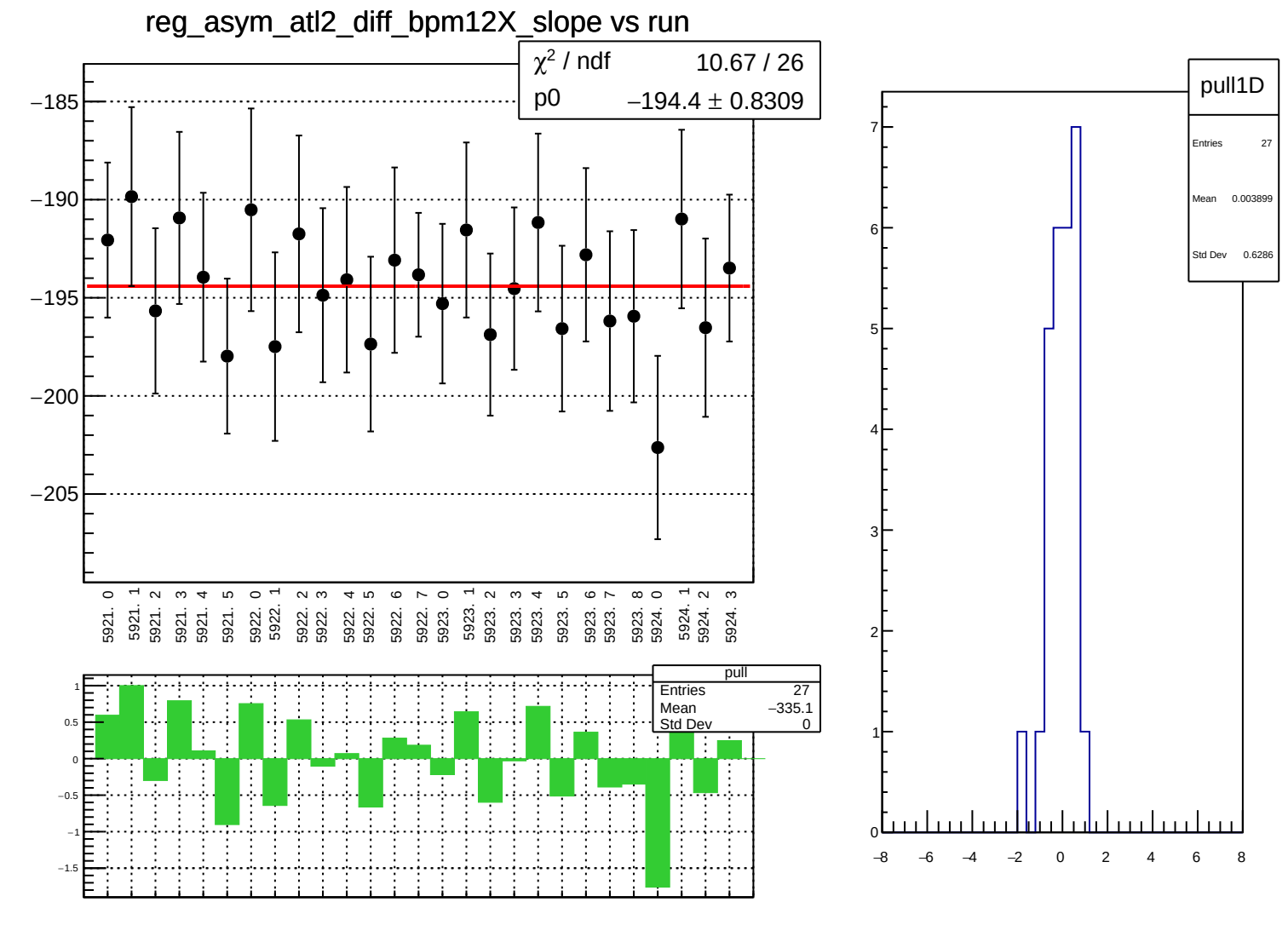

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 7.677 / 26
p0 −286 ± 7.537
pull
Entries 27
Mean −451.2
Std Dev 0

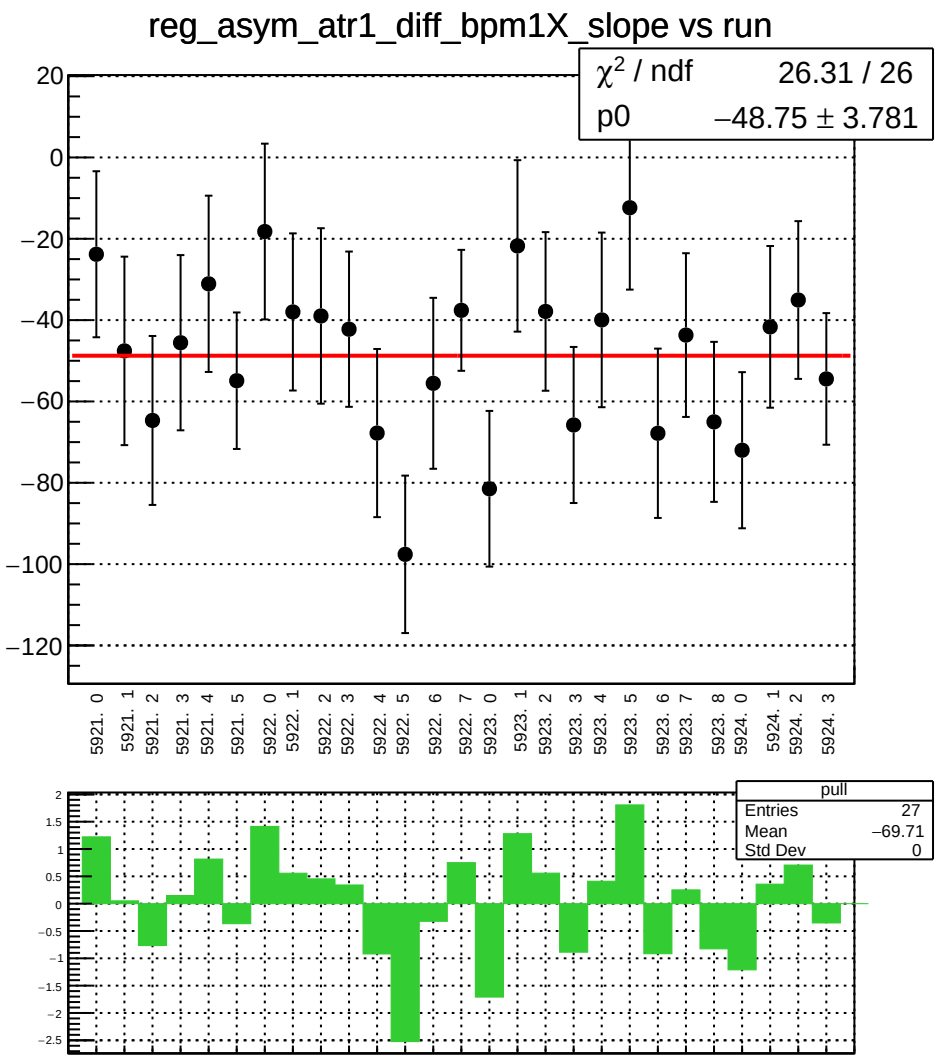

pull1D
Entries 27
Mean 0.002679
Std Dev 0.5332

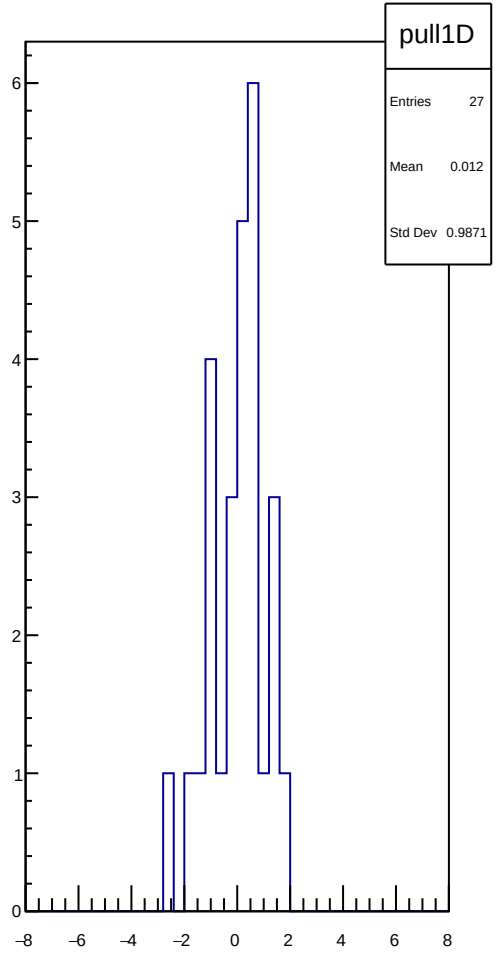

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 3.063 / 26
p0 32.82 ± 11.05
150
100
50
0
−50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 10.6
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 27
Mean 0.005604
Std Dev 0.3367
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

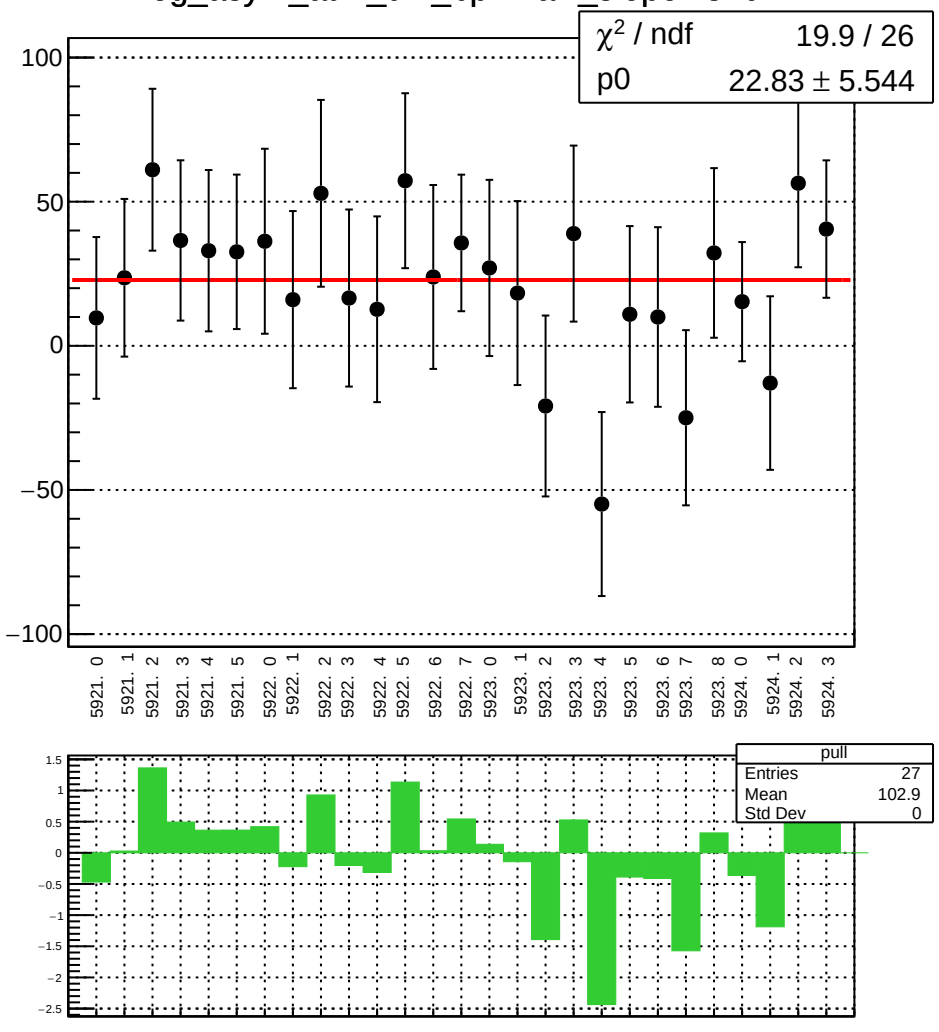

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 7.383 / 26
p0 408.1 ± 10.75
500
450
400
350
300
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 390.5
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 27
Mean 0.003123
Std Dev 0.5229
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

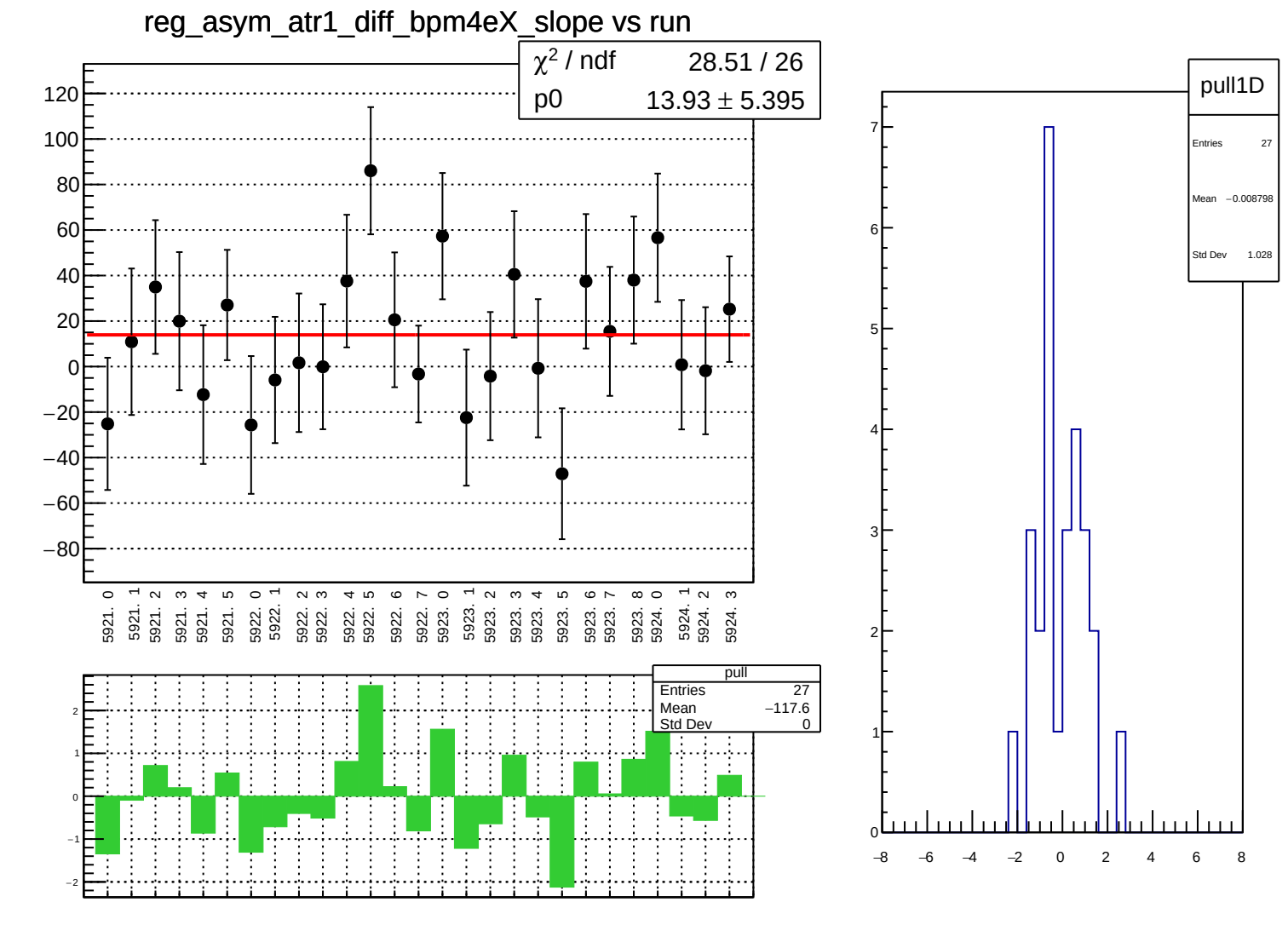

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 3.031 / 26
p0 62.15 ± 12.17
150
100
50
0
−50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 25.06
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 27
Mean −0.005334
Std Dev 0.335
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

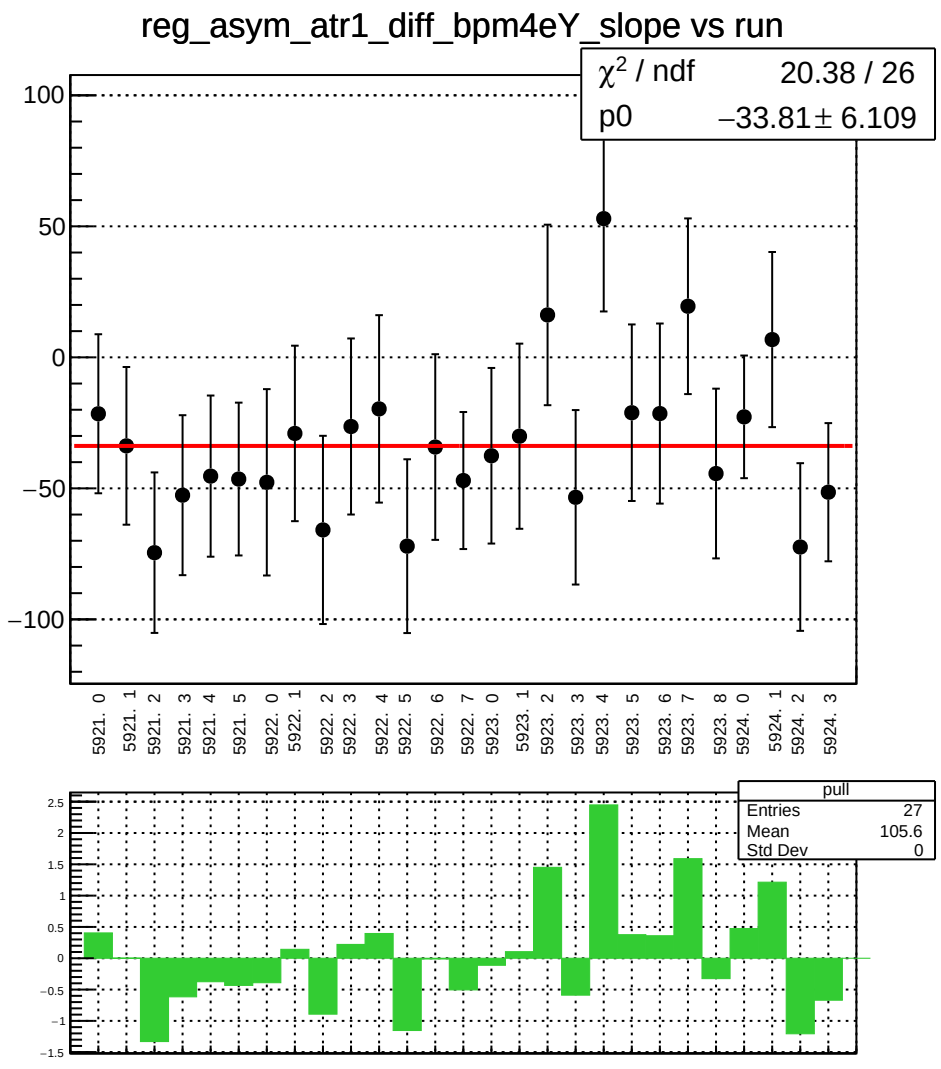

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 10.67 / 26
p0 −194.4 ± 0.8309
−185
−190
−195
−200
−205
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −335.1
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.003899
Std Dev 0.6286
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

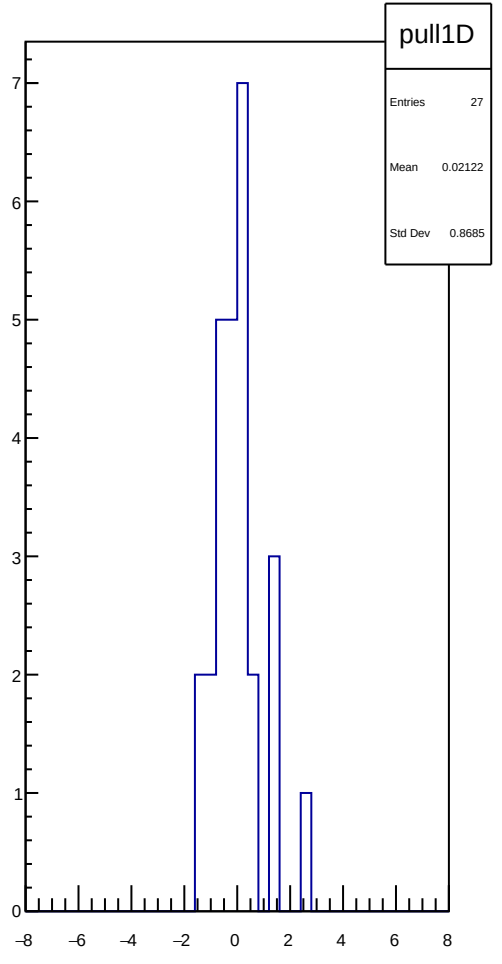

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 26.31 / 26
p0 −48.75 ± 3.781
20
0
−20
−40
−60
−80
−100
−120
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −69.71
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

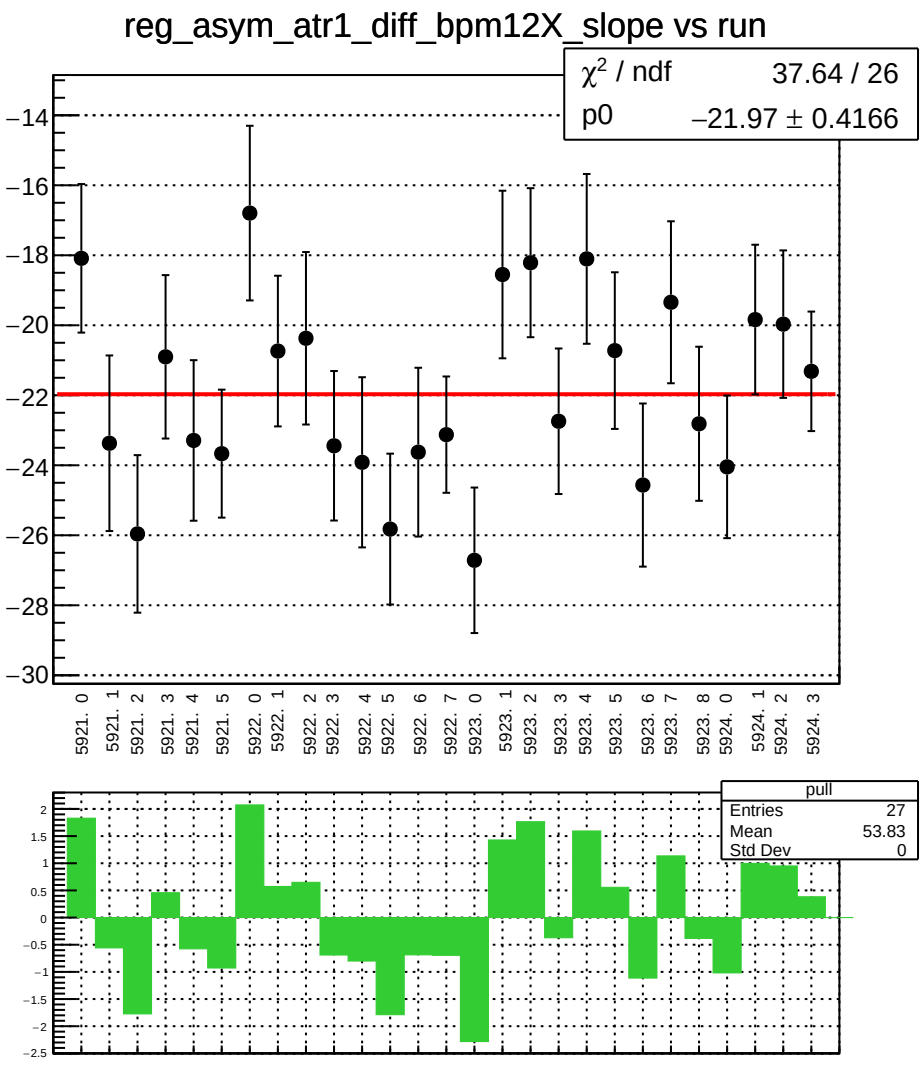

pull1D
Entries 27
Mean 0.012
Std Dev 0.9871
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

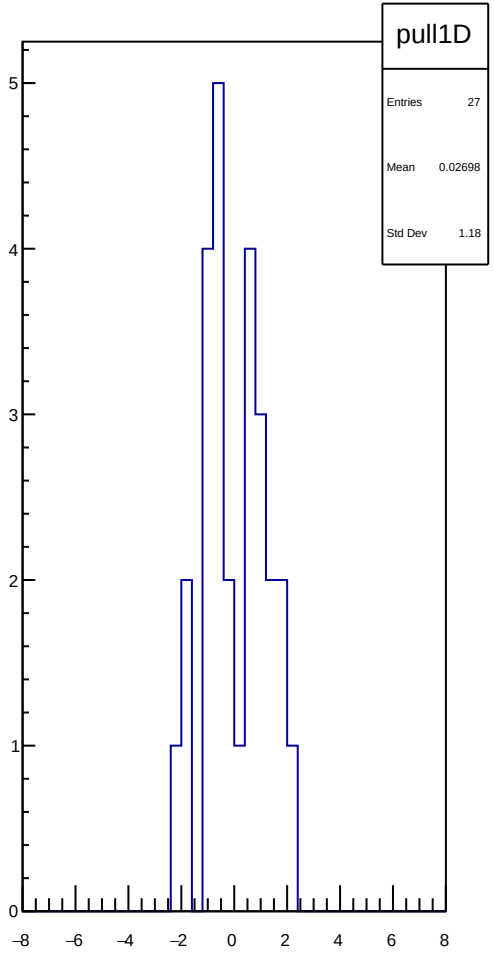

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 19.9 / 26
p0 22.83 ± 5.544
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 102.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean −0.02058
Std Dev 0.8582
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

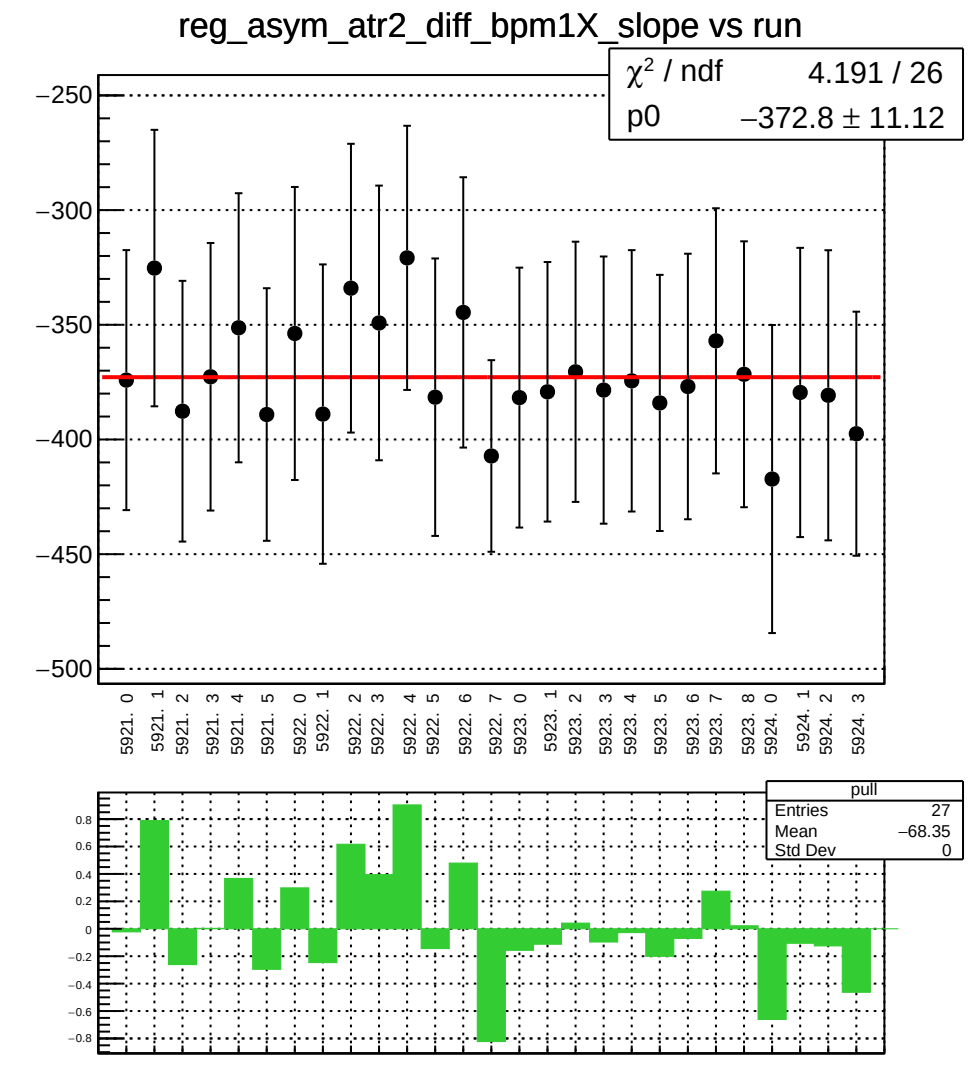

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 28.51 / 26
p0 13.93 ± 5.395
pull
Entries 27
Mean −117.6
Std Dev 0
pull1D
Entries 27
Mean −0.008798
Std Dev 1.028

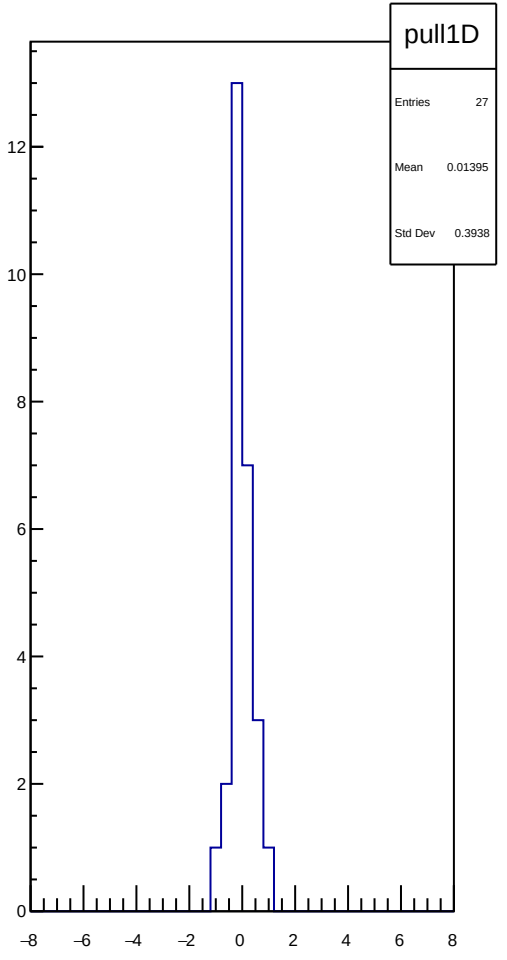

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 20.38 / 26
p0 −33.81 ± 6.109
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 105.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

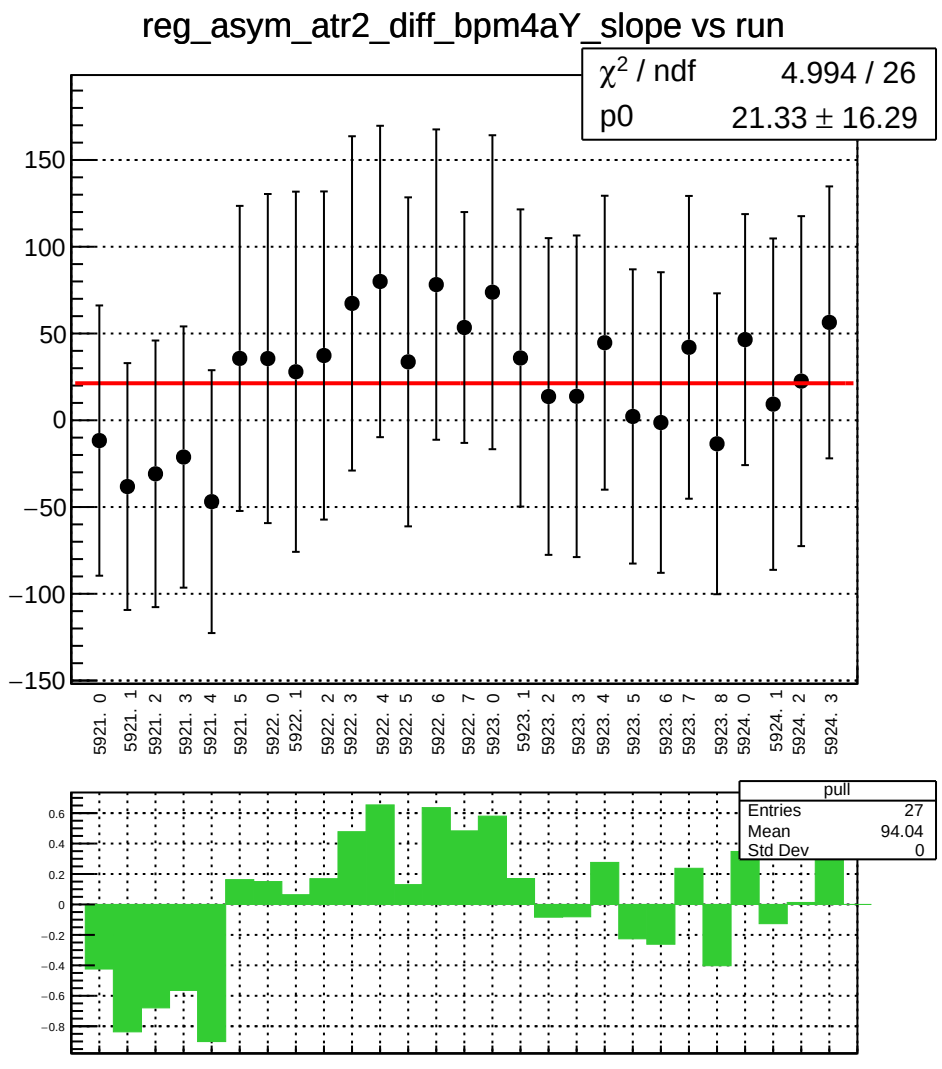

pull1D
Entries 27
Mean 0.02122
Std Dev 0.8685
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

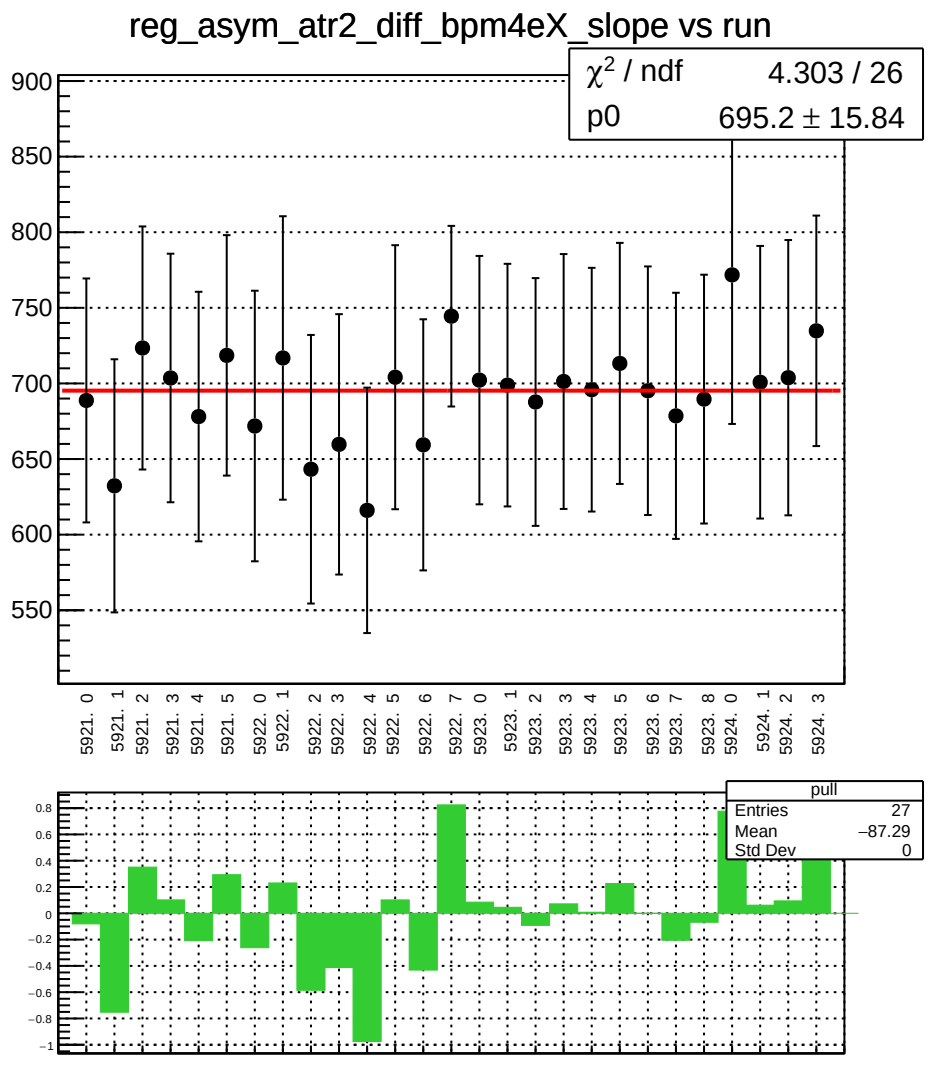

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 37.64 / 26
p0 −21.97 ± 0.4166
pull
Entries 27
Mean 53.83
Std Dev 0

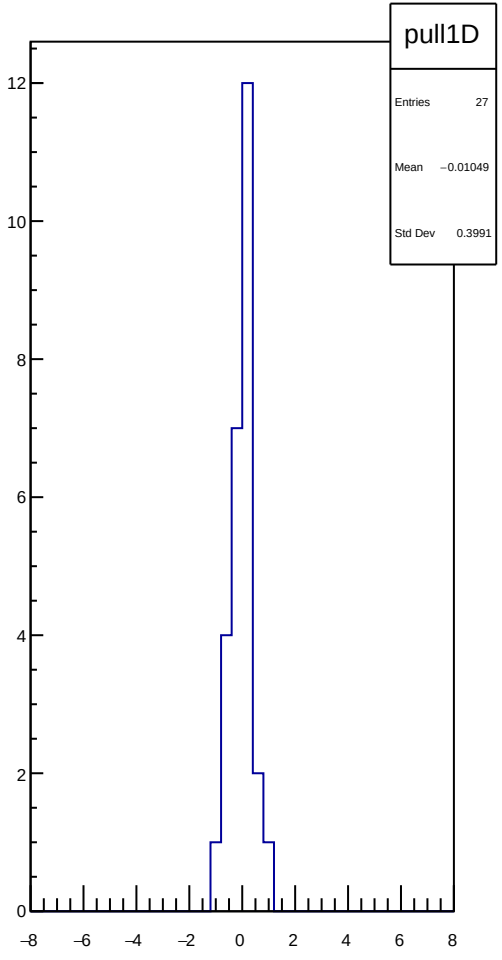

pull1D
Entries 27
Mean 0.02698
Std Dev 1.18

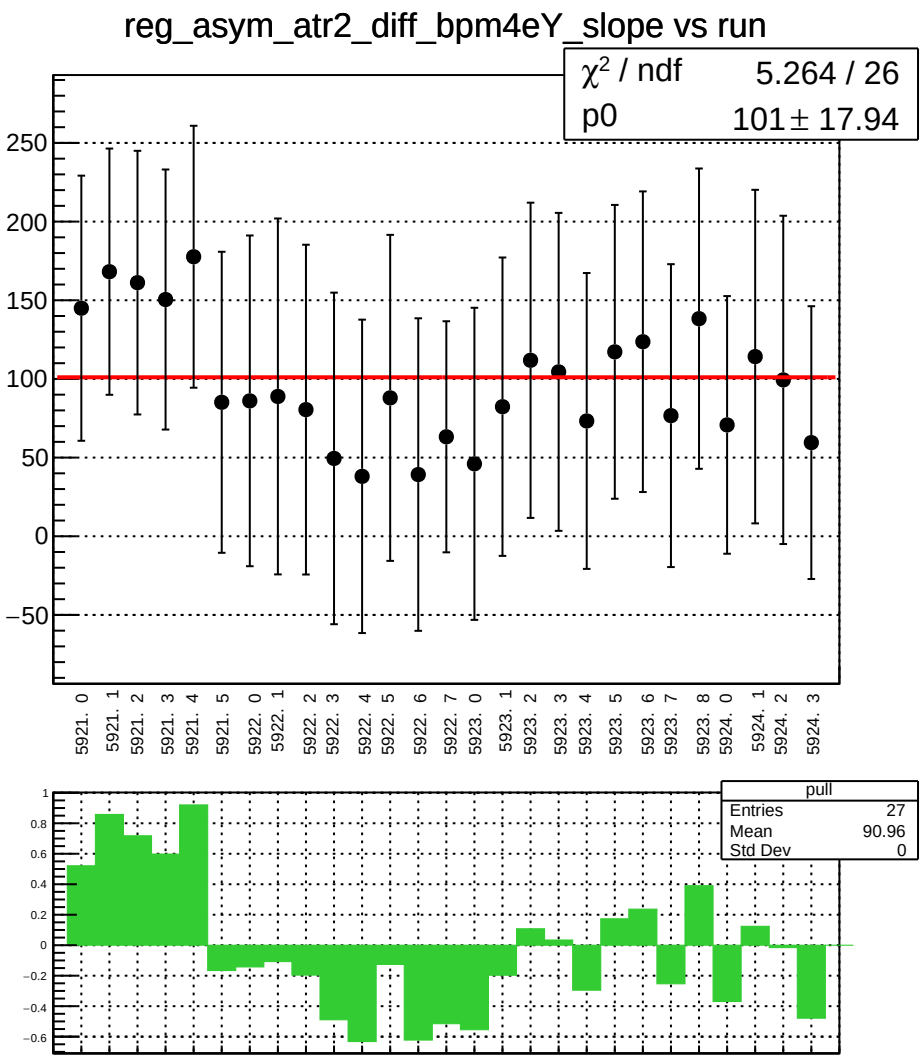

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 4.191 / 26
p0 −372.8 ± 11.12
−250
−300
−350
−400
−450
−500
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −68.35
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

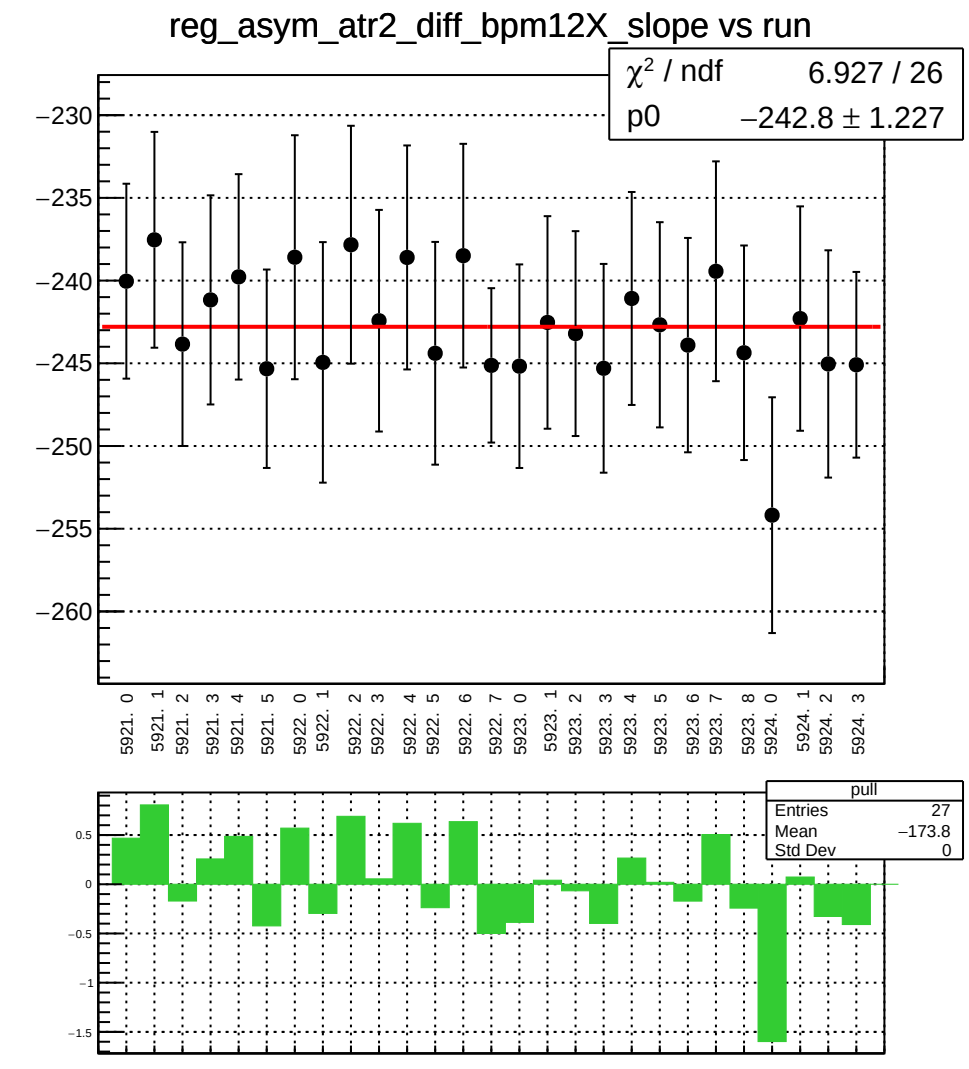

pull1D
Entries 27
Mean 0.01395
Std Dev 0.3938
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

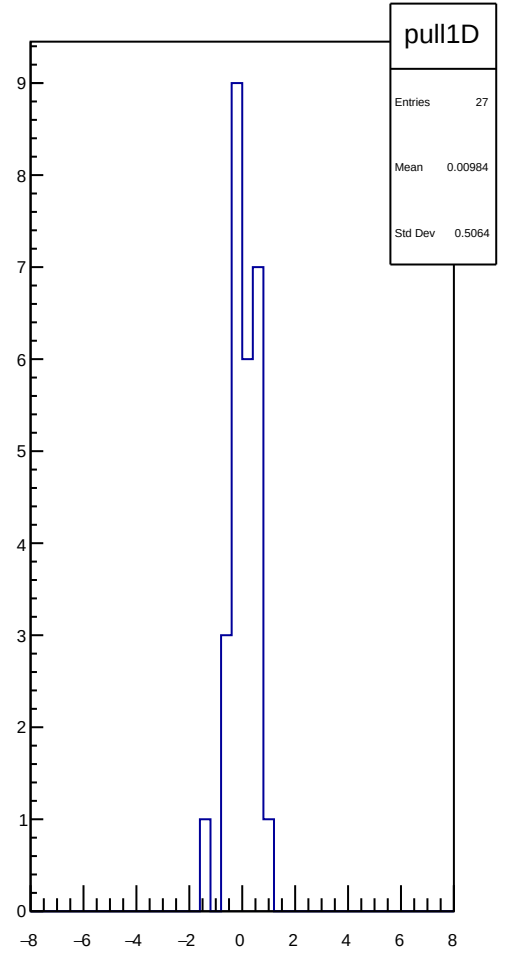

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 4.994 / 26
p0 21.33 ± 16.29
150
100
50
0
−50
−100
−150
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 94.04
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 27
Mean 0.01532
Std Dev 0.4298
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

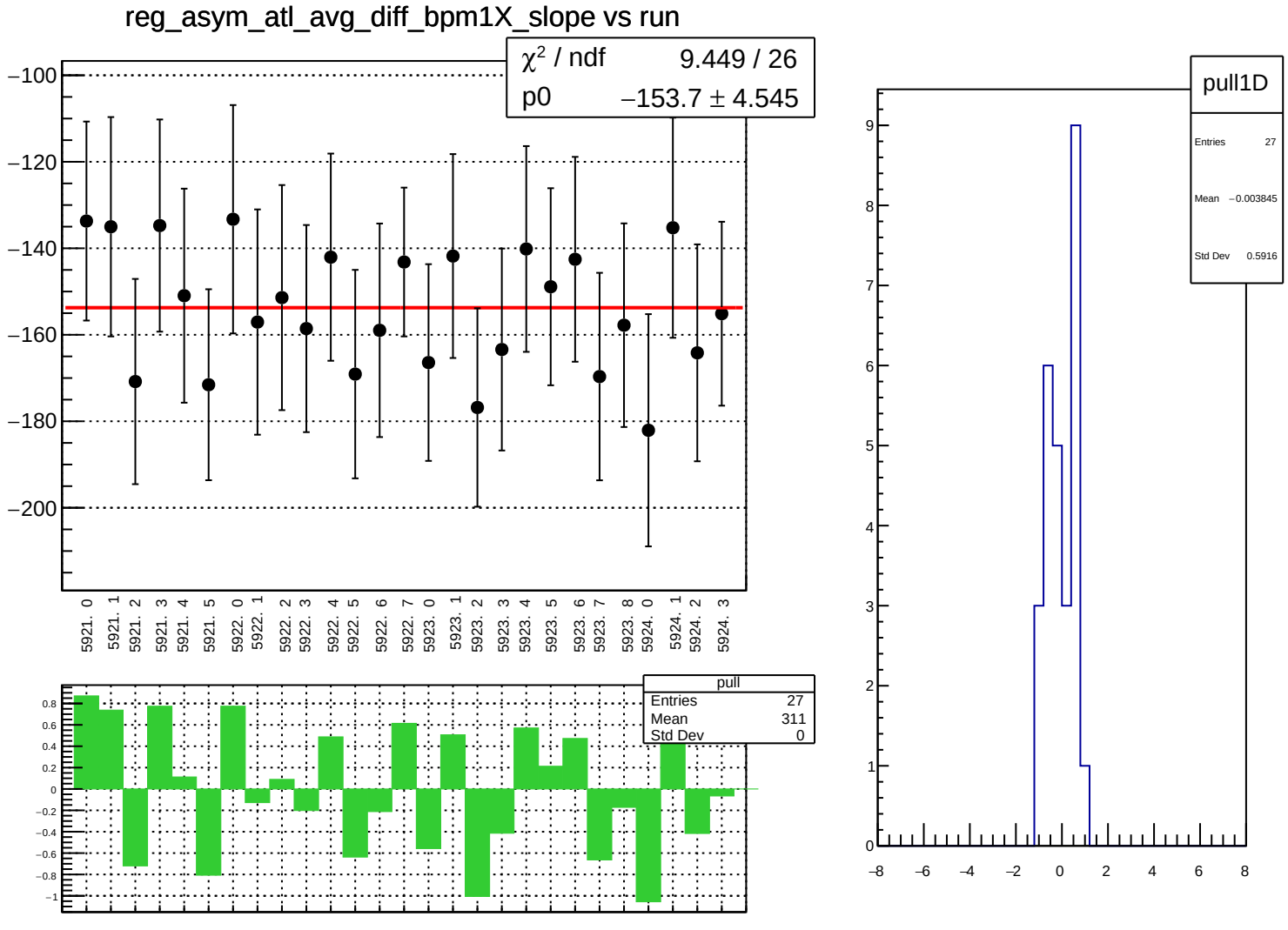

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 4.303 / 26
p0 695.2 ± 15.84
900
850
800
750
700
650
600
550
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −87.29
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

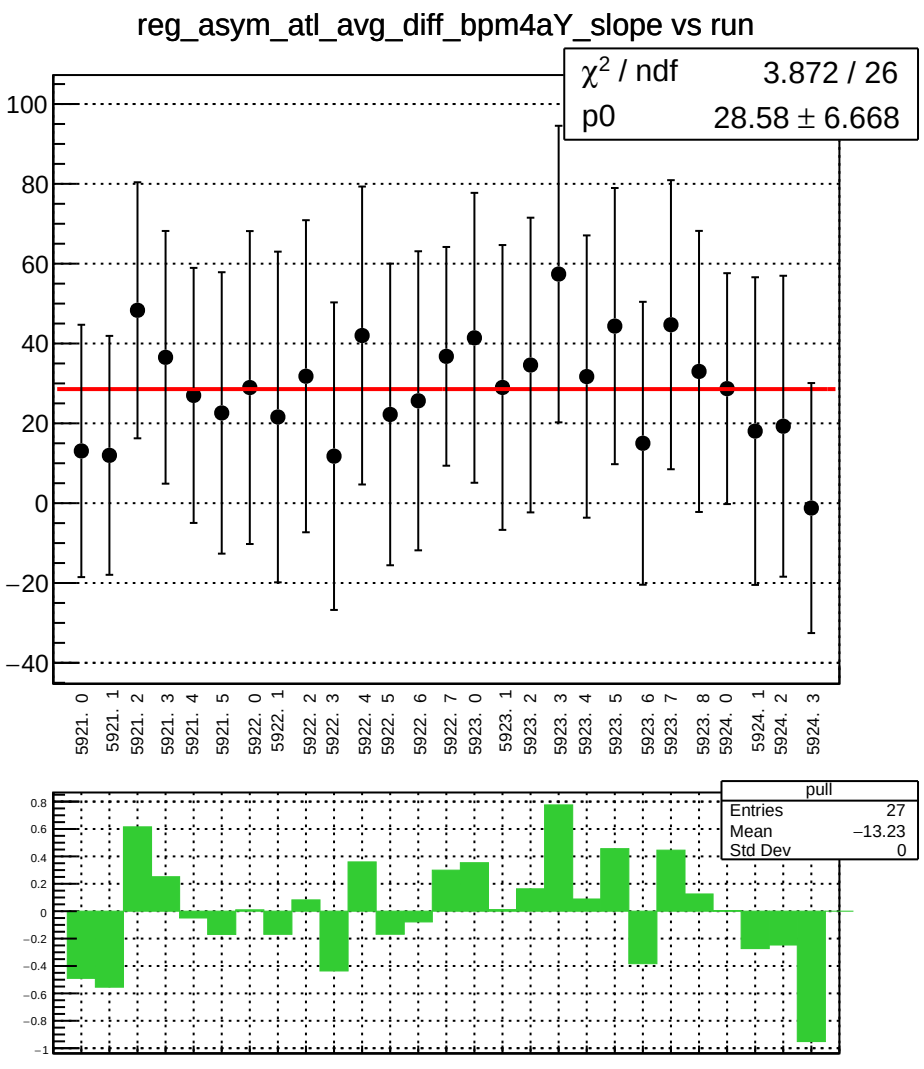

pull1D
Entries 27
Mean −0.01049
Std Dev 0.3991
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

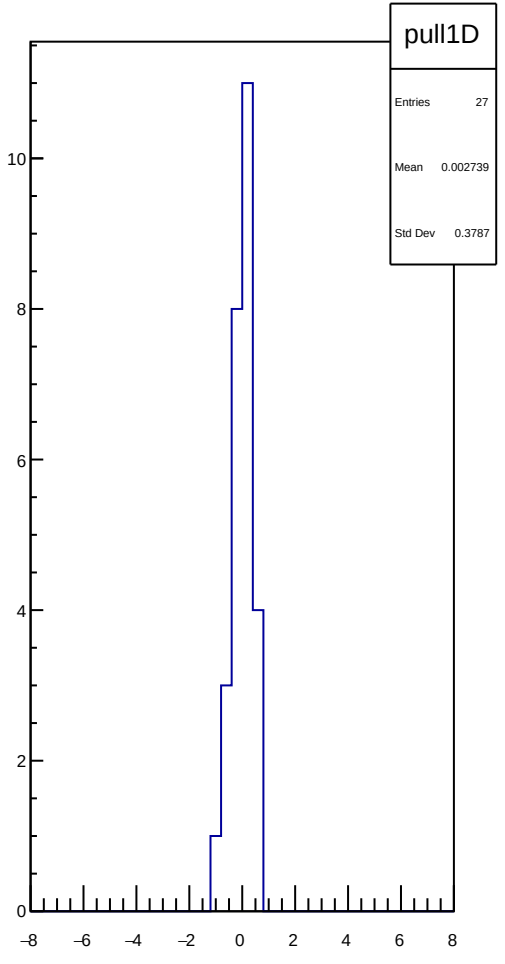

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 5.264 / 26
p0 101 ± 17.94
250
200
150
100
50
0
−50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 90.96
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 27
Mean −0.01773
Std Dev 0.4412
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

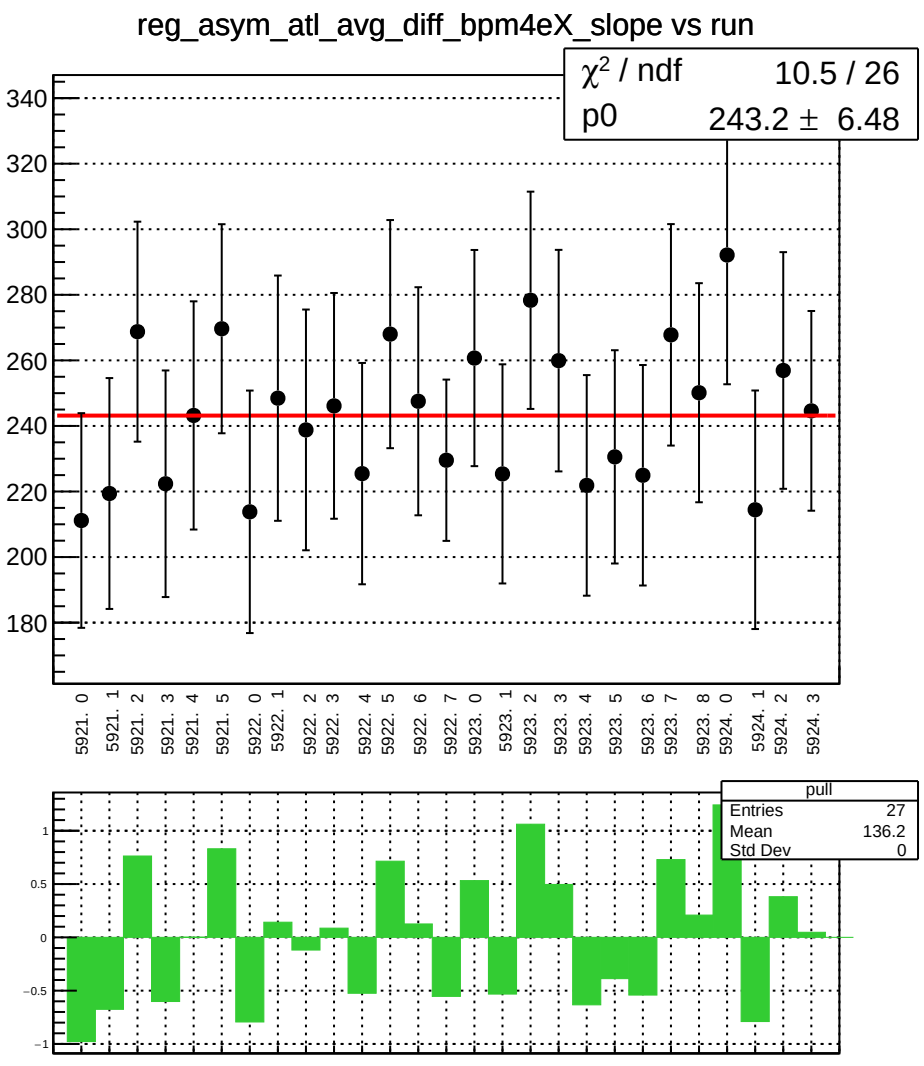

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 6.927 / 26
p0 −242.8 ± 1.227
−230
−235
−240
−245
−250
−255
−260
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −173.8
Std Dev 0
0.5
0
−0.5
−1
−1.5

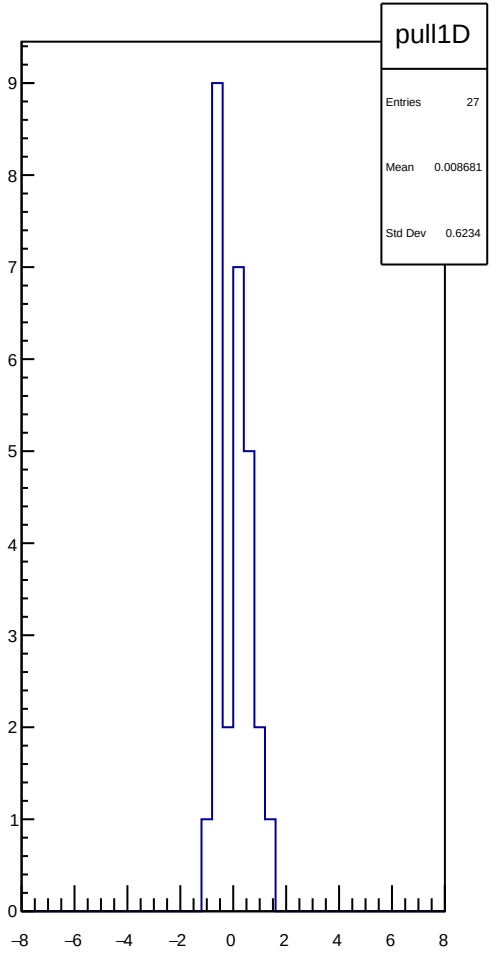

pull1D
Entries 27
Mean 0.00984
Std Dev 0.5064
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

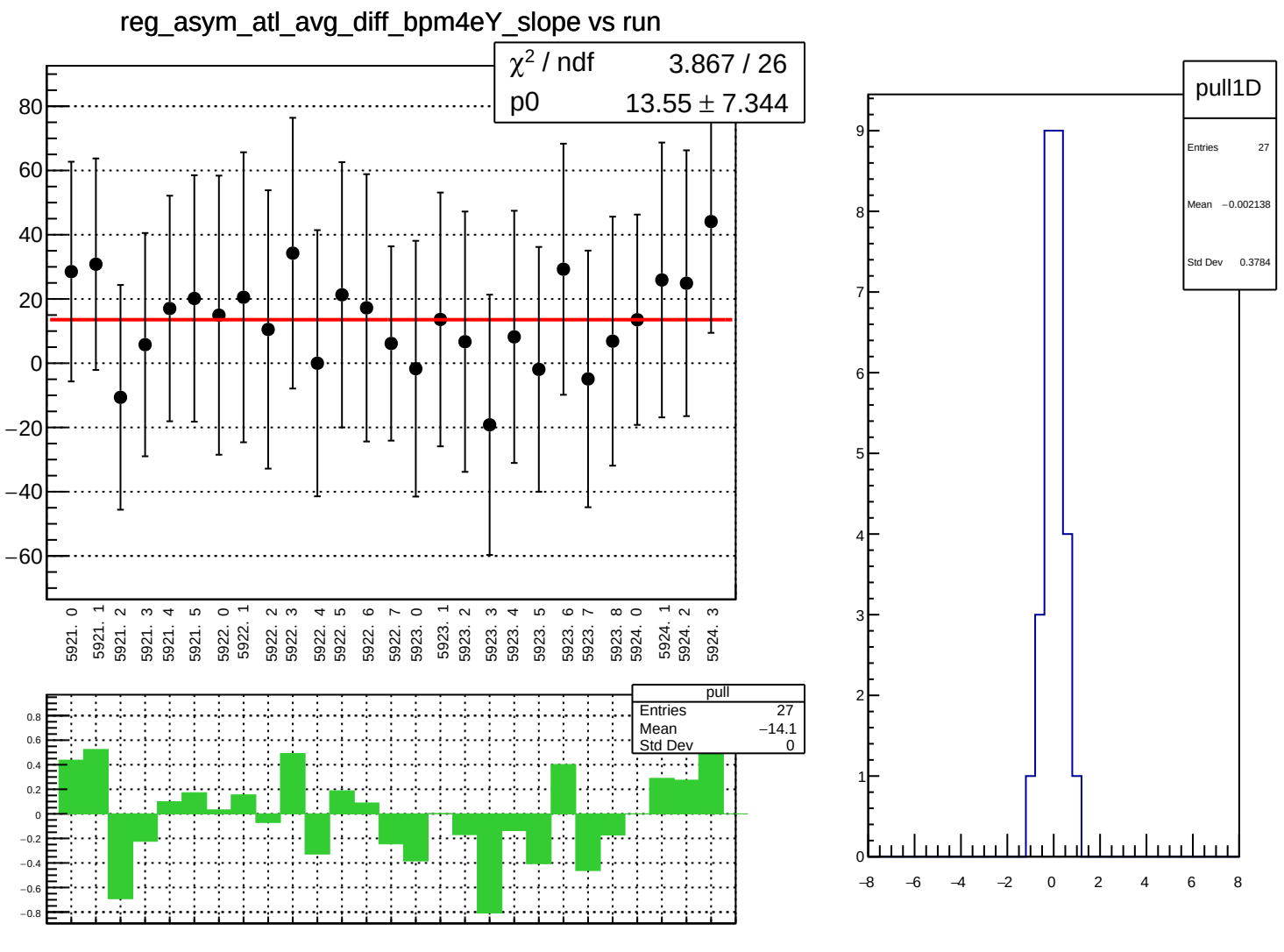

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 9.449 / 26
p0 −153.7 ± 4.545
−100
−120
−140
−160
−180
−200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 311
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 27
Mean −0.003845
Std Dev 0.5916
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

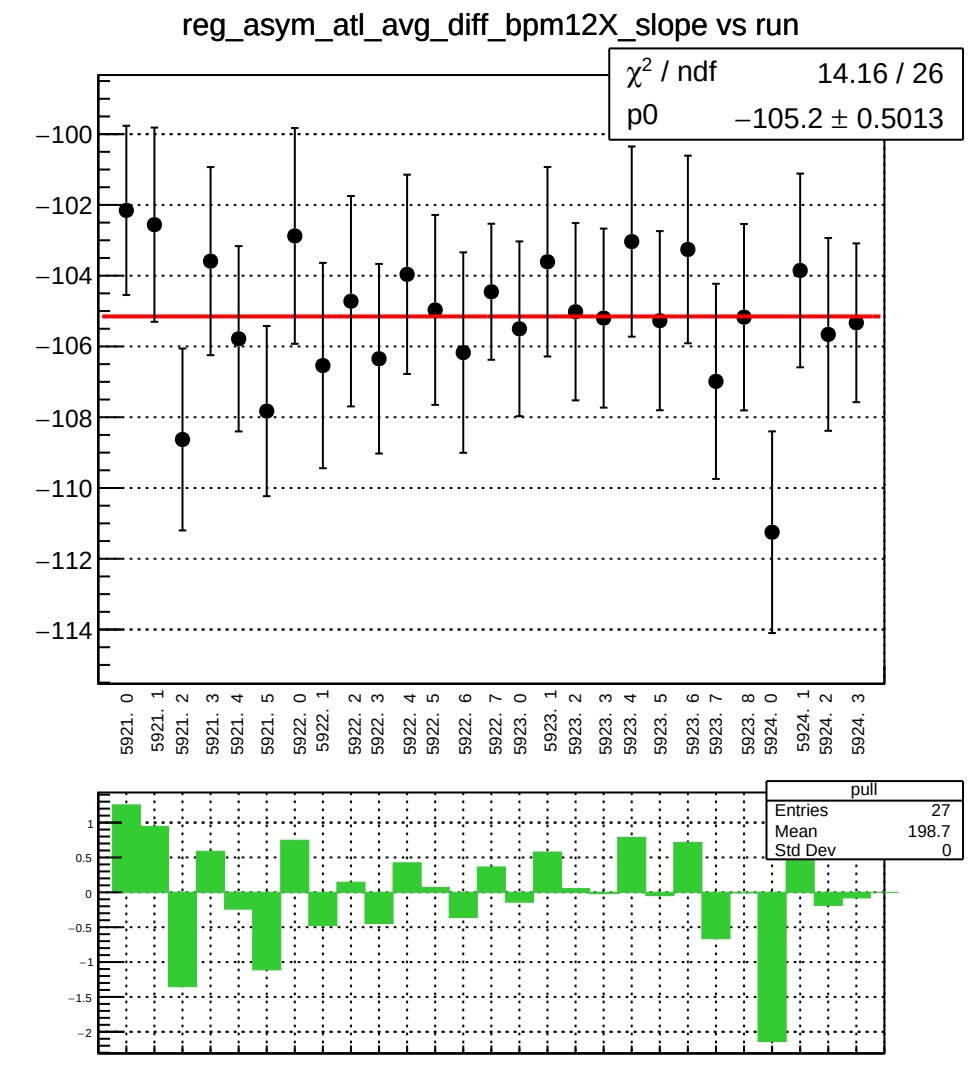

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.872 / 26
p0 28.58 ± 6.668
pull
Entries 27
Mean −13.23
Std Dev 0

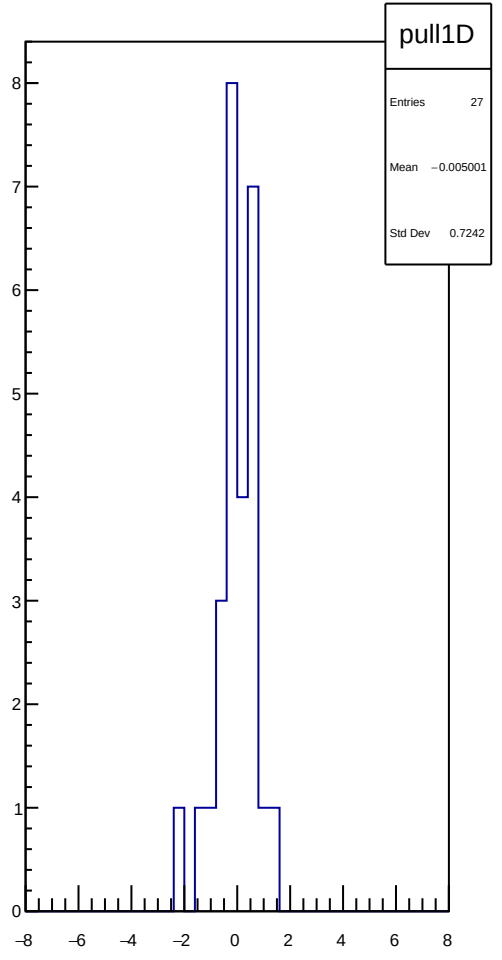

pull1D
Entries 27
Mean 0.002739
Std Dev 0.3787

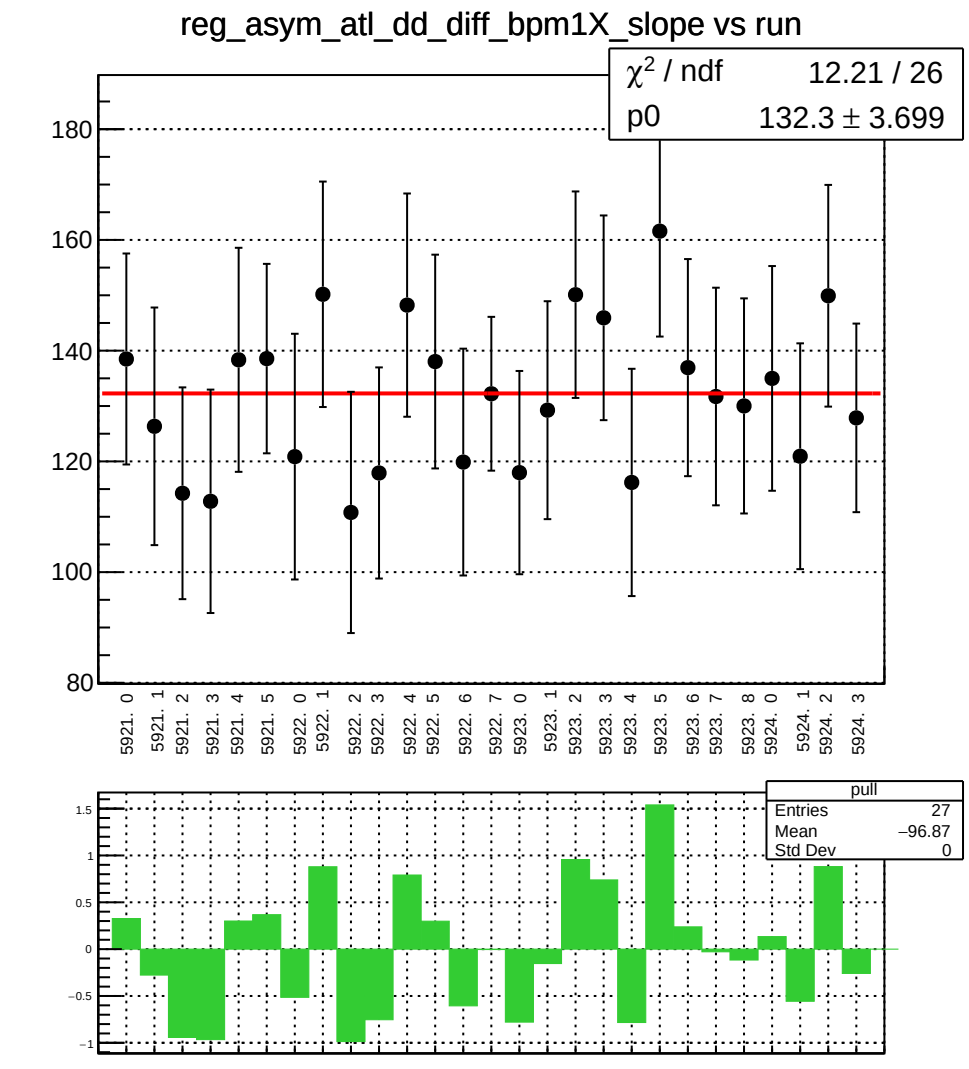

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 10.5 / 26
p0 243.2 ± 6.48
340
320
300
280
260
240
220
200
180
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 136.2
Std Dev 0
1
0.5
0
−0.5
−1

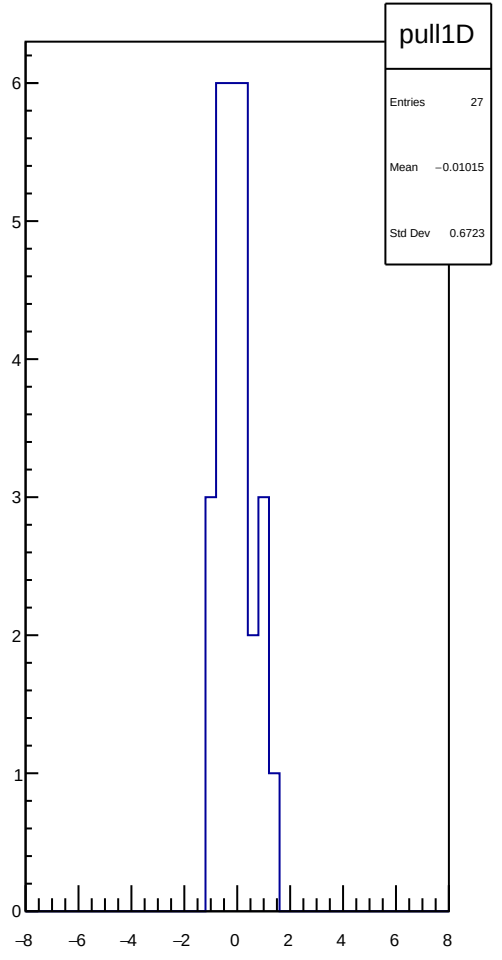

pull1D
Entries 27
Mean 0.008681
Std Dev 0.6234
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

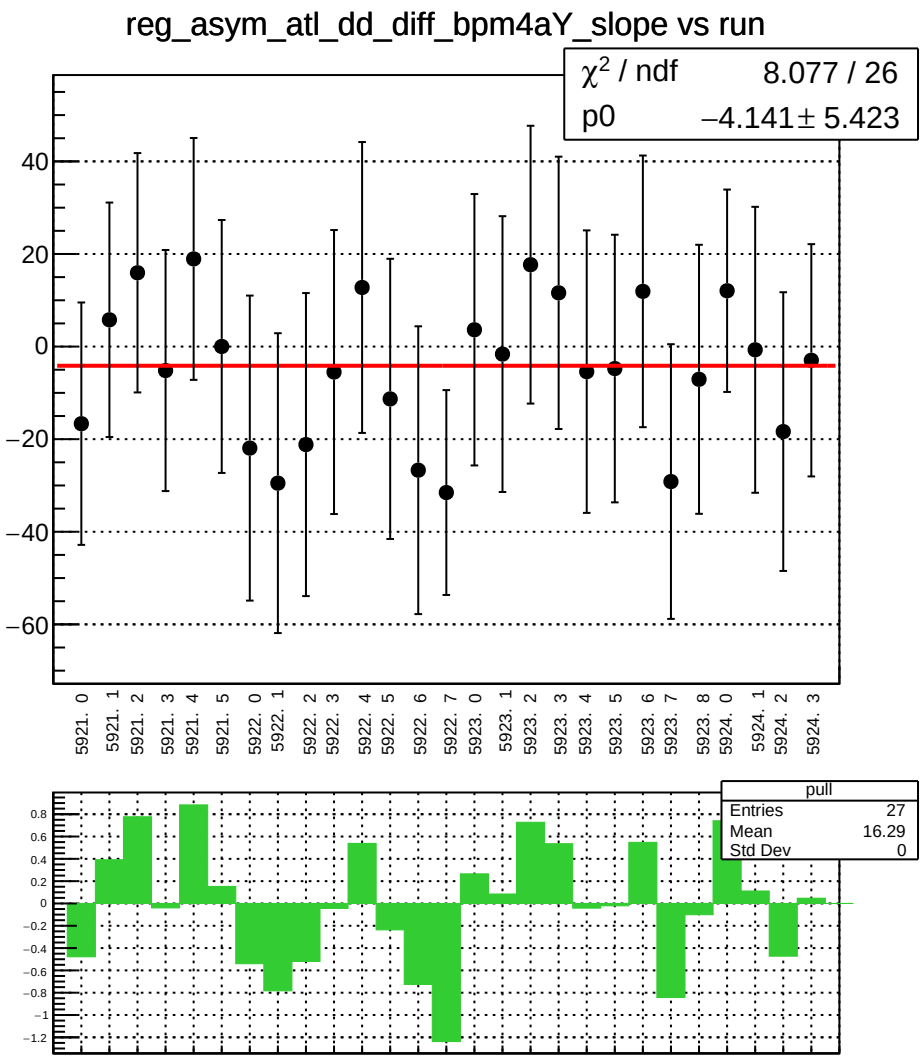

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.867 / 26
p0 13.55 ± 7.344
80
60
40
20
0
−20
−40
−60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −14.1
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 27
Mean −0.002138
Std Dev 0.3784
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

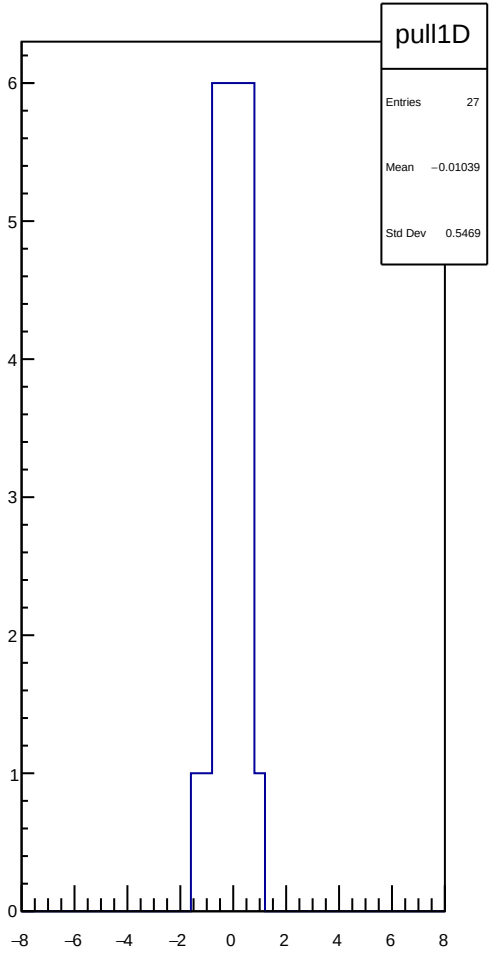

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 14.16 / 26
p0 −105.2 ± 0.5013
−100
−102
−104
−106
−108
−110
−112
−114
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 198.7
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

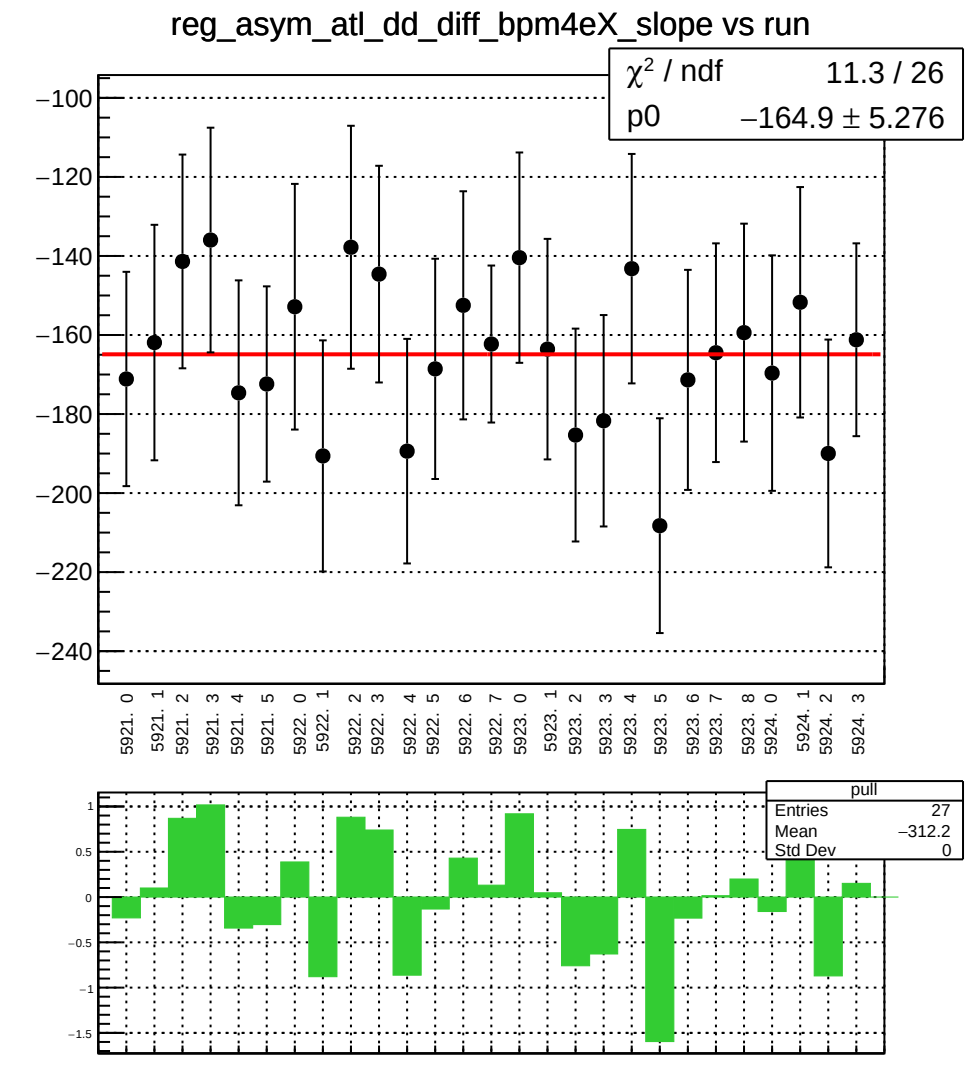

pull1D
Entries 27
Mean −0.005001
Std Dev 0.7242
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

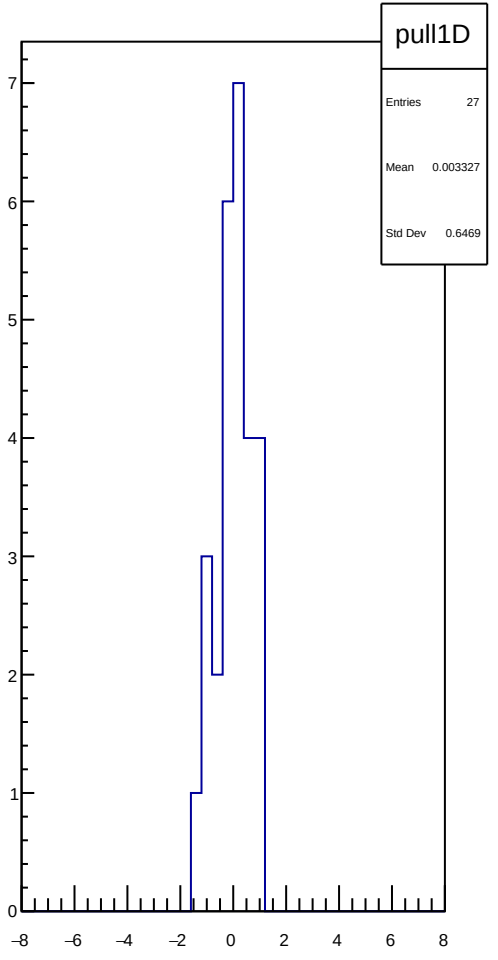

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 12.21 / 26
p0 132.3 ± 3.699
180
160
140
120
100
80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −96.87
Std Dev 0
1.5
1
0.5
0
−0.5
−1

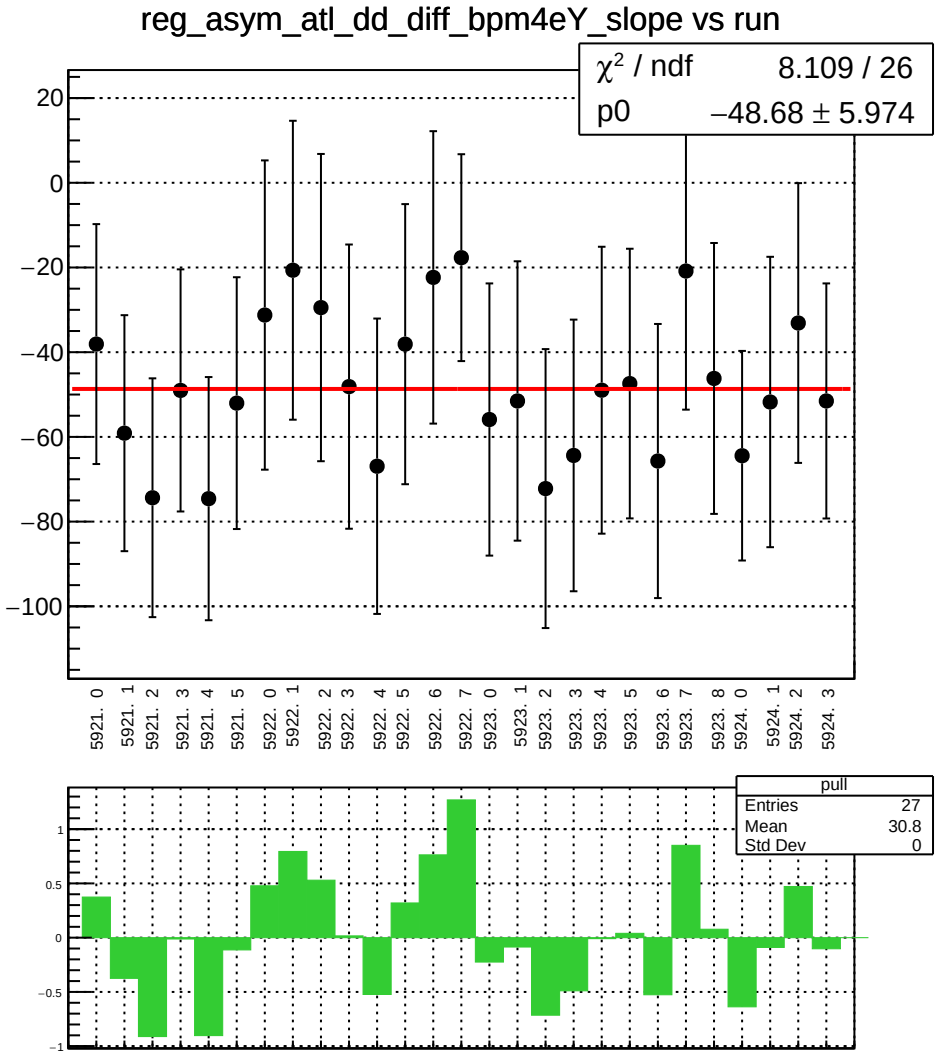

pull1D
Entries 27
Mean −0.01015
Std Dev 0.6723
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

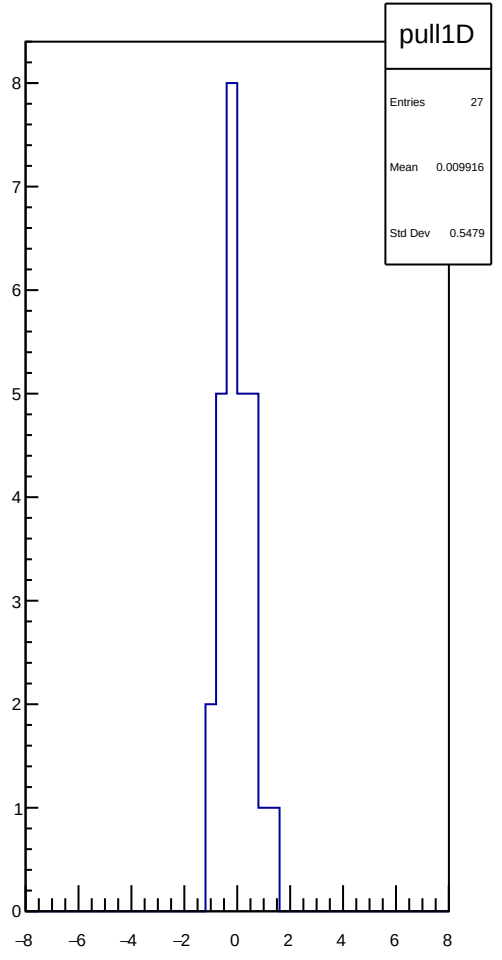

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.077 / 26
p0 −4.141 ± 5.423
40
20
0
−20
−40
−60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 16.29
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

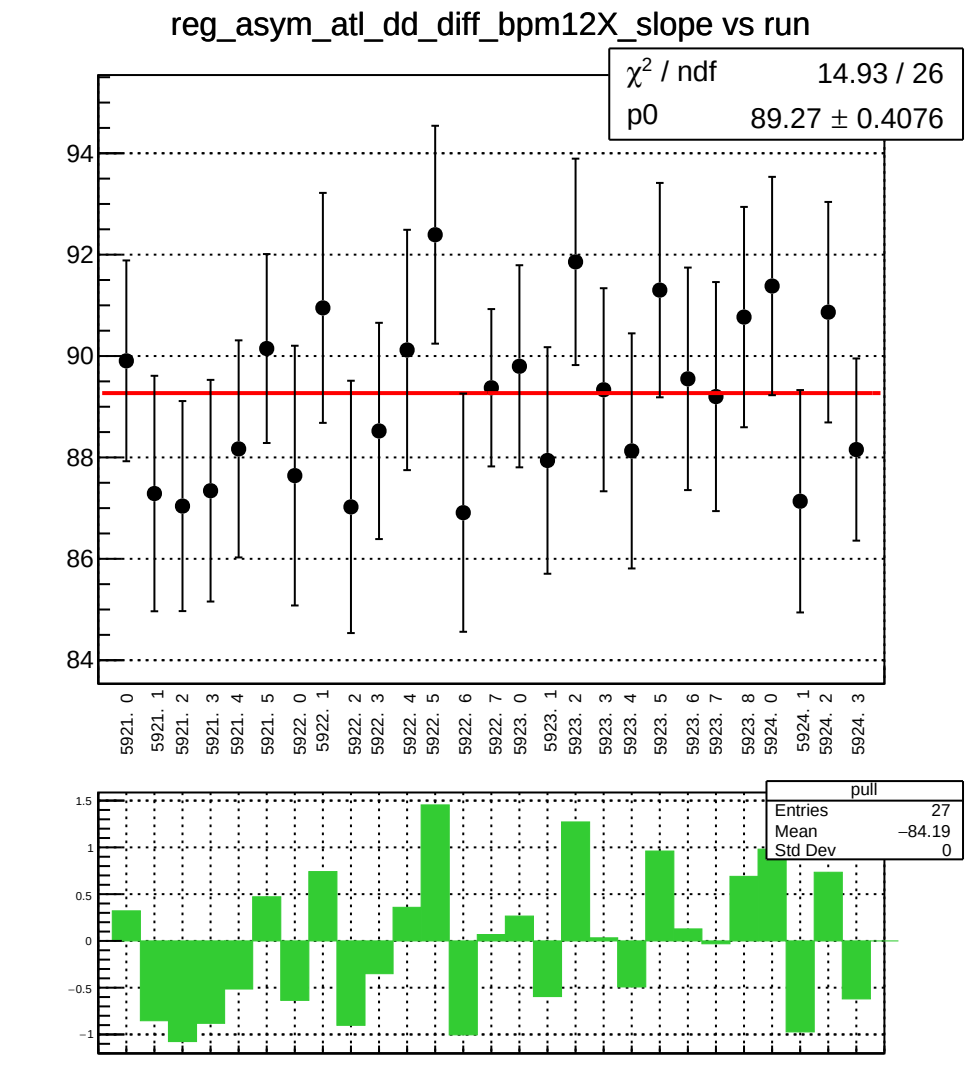

pull1D
Entries 27
Mean −0.01039
Std Dev 0.5469
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

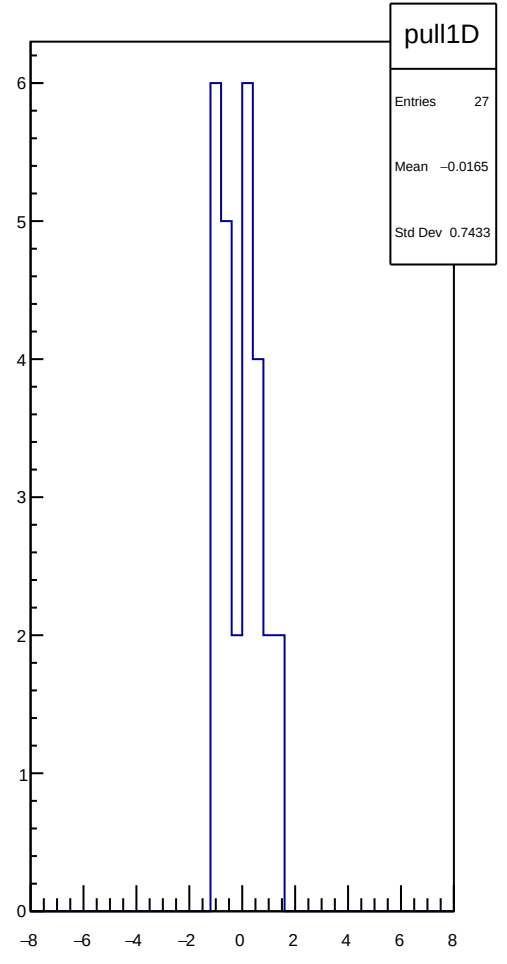

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.3 / 26
p0 −164.9 ± 5.276
−100
−120
−140
−160
−180
−200
−220
−240
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −312.2
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

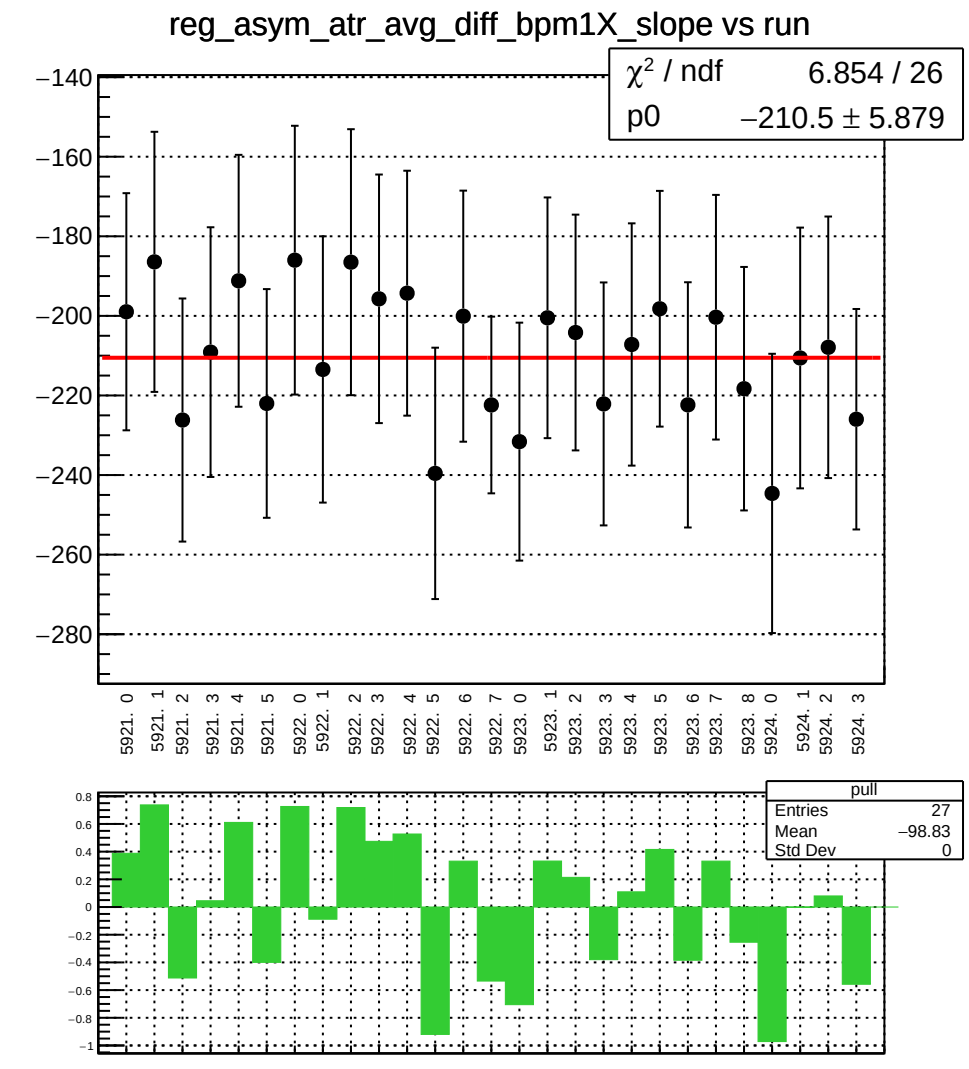

pull1D
Entries 27
Mean 0.003327
Std Dev 0.6469
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

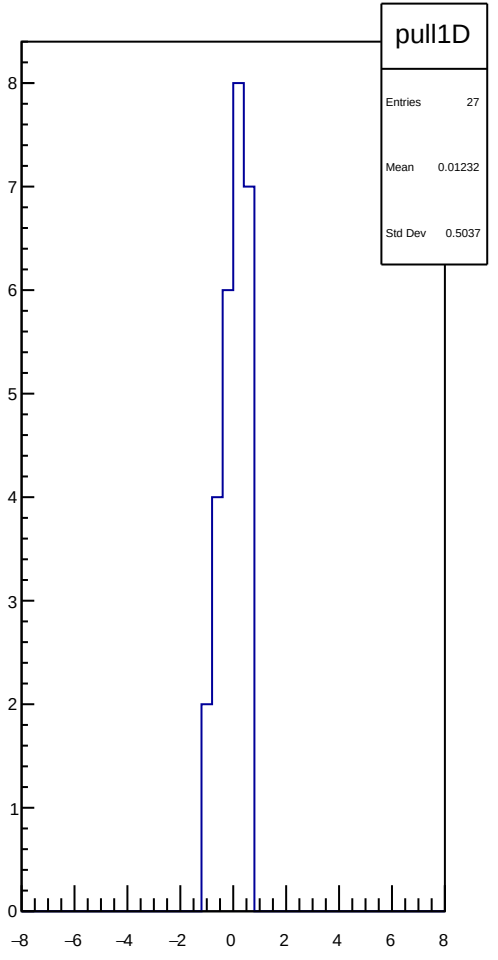

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.109 / 26
p0 −48.68 ± 5.974
20
0
−20
−40
−60
−80
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 30.8
Std Dev 0
1
0.5
0
−0.5
−1

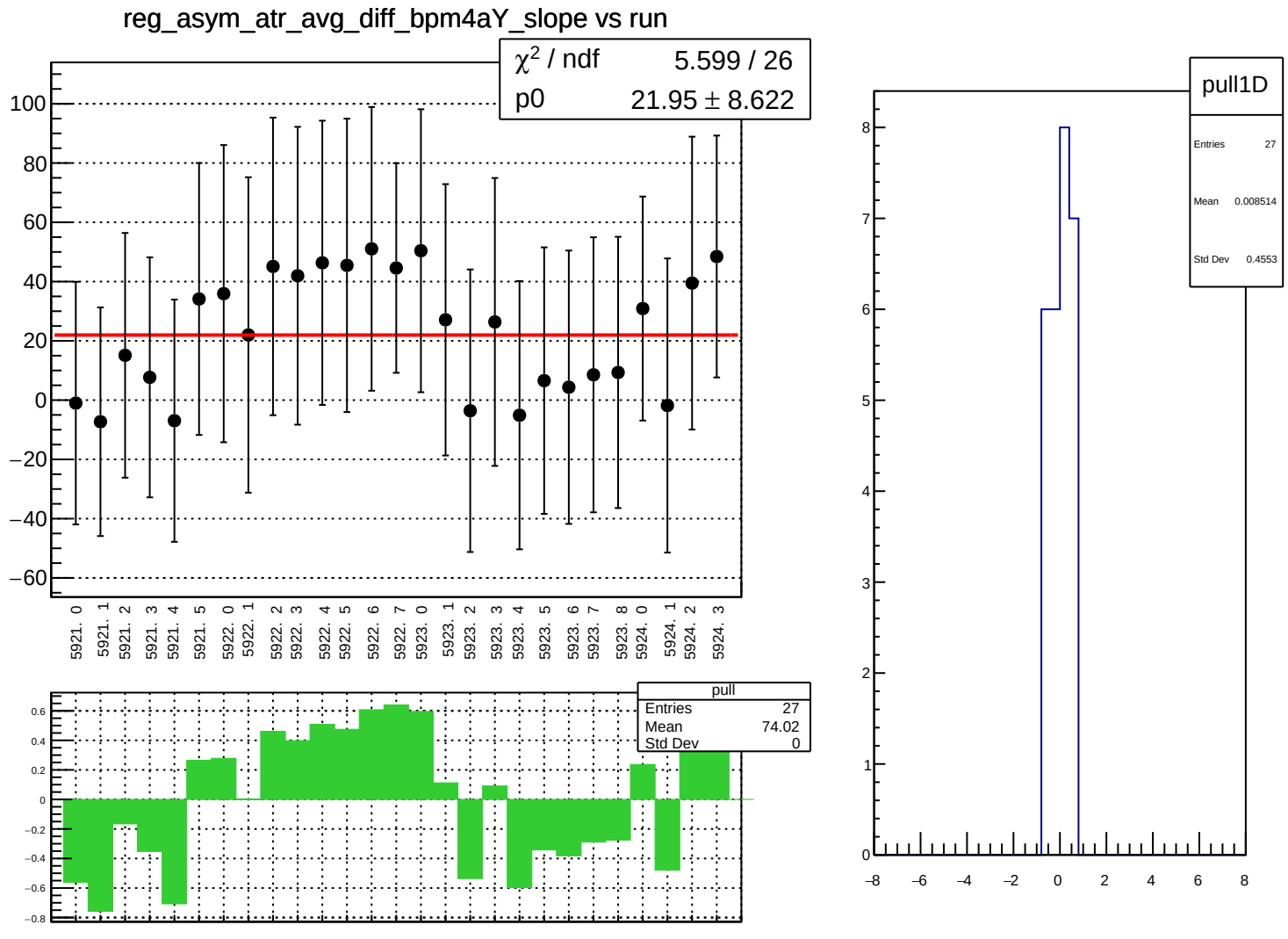

pull1D
Entries 27
Mean 0.009916
Std Dev 0.5479
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

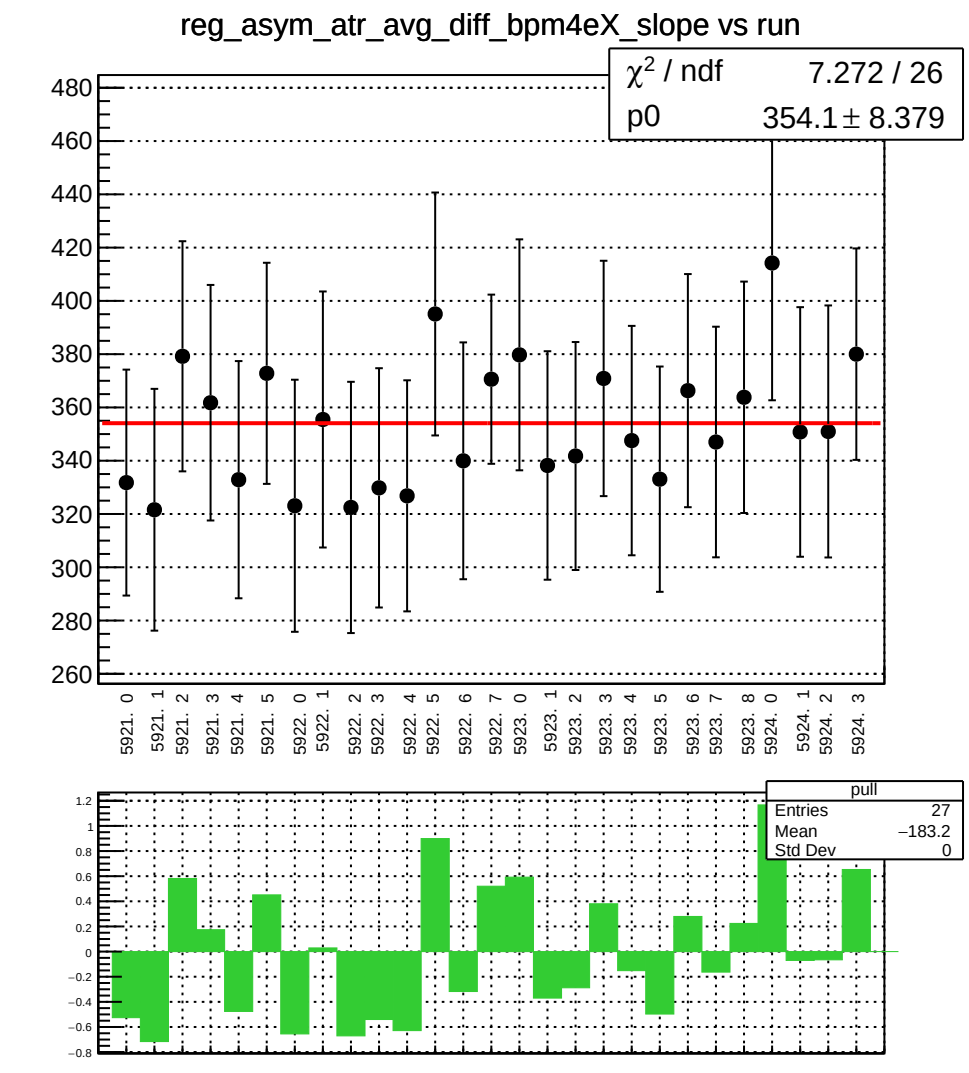

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 14.93 / 26
p0 89.27 ± 0.4076
94
92
90
88
86
84
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −84.19
Std Dev 0
1.5
1
0.5
0
−0.5
−1

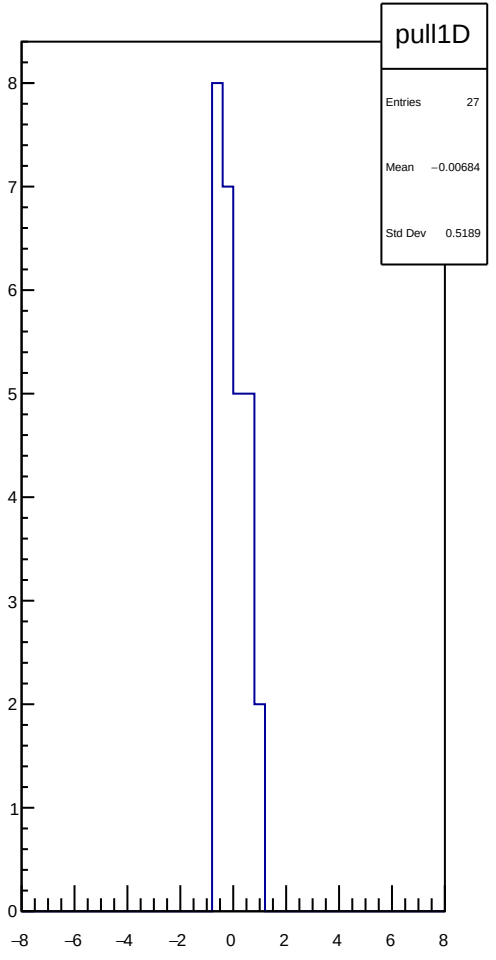

pull1D
Entries 27
Mean −0.0165
Std Dev 0.7433
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

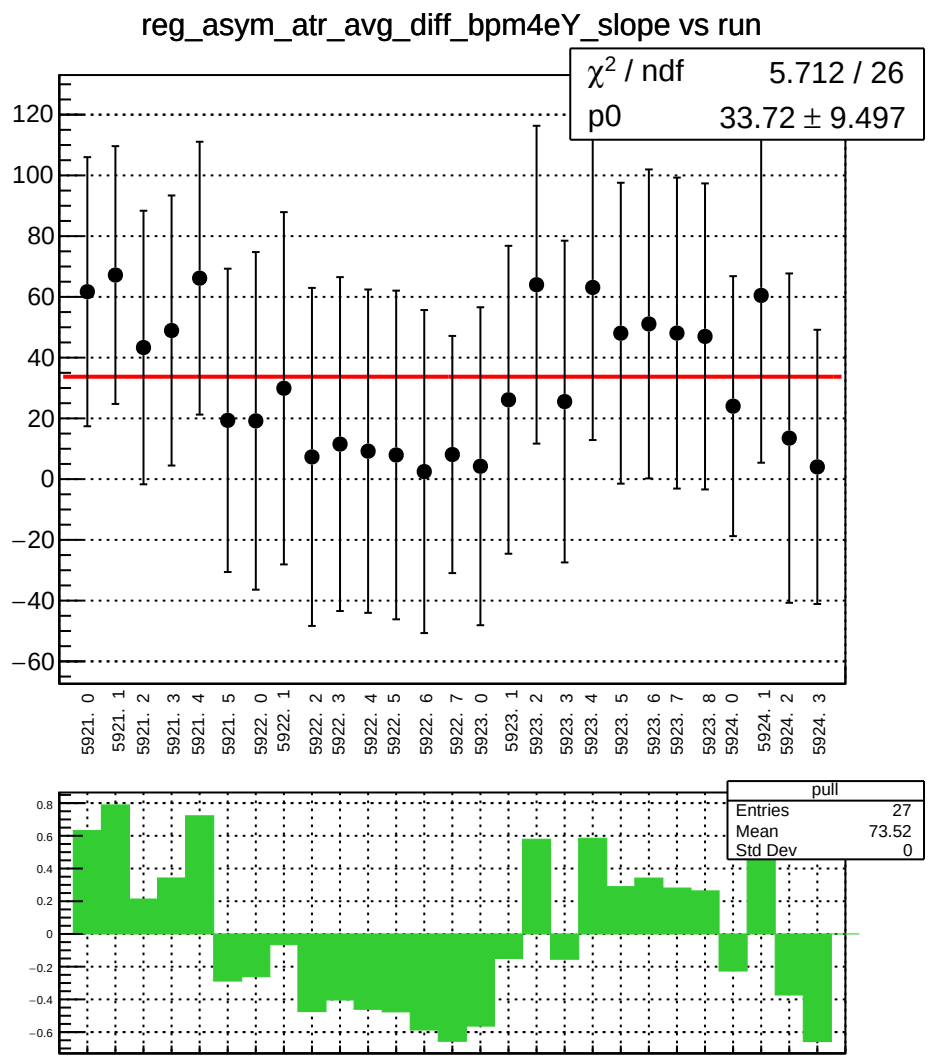

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 6.854 / 26
p0 −210.5 ± 5.879
−140
−160
−180
−200
−220
−240
−260
−280
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −98.83
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

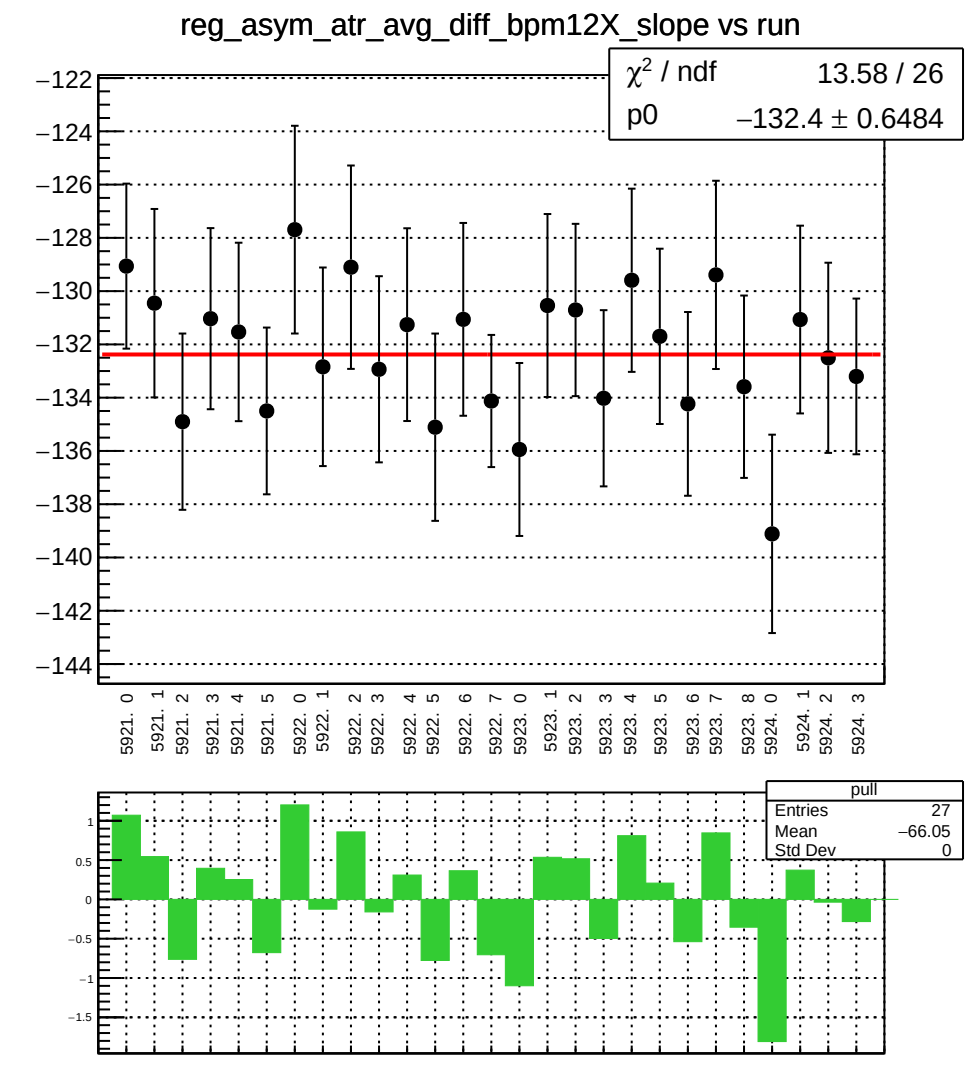

pull1D
Entries 27
Mean 0.01232
Std Dev 0.5037
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

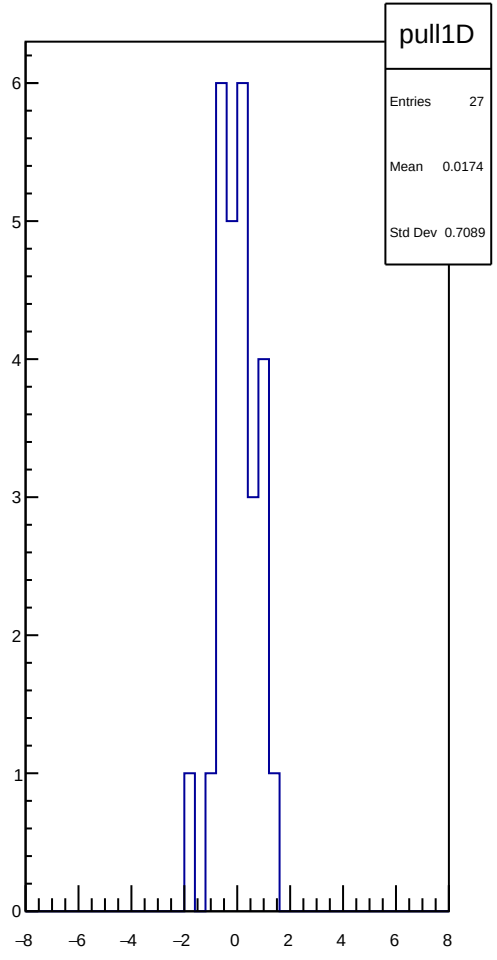

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.599 / 26
p0 21.95 ± 8.622
pull
Entries 27
Mean 74.02
Std Dev 0
pull1D
Entries 27
Mean 0.008514
Std Dev 0.4553

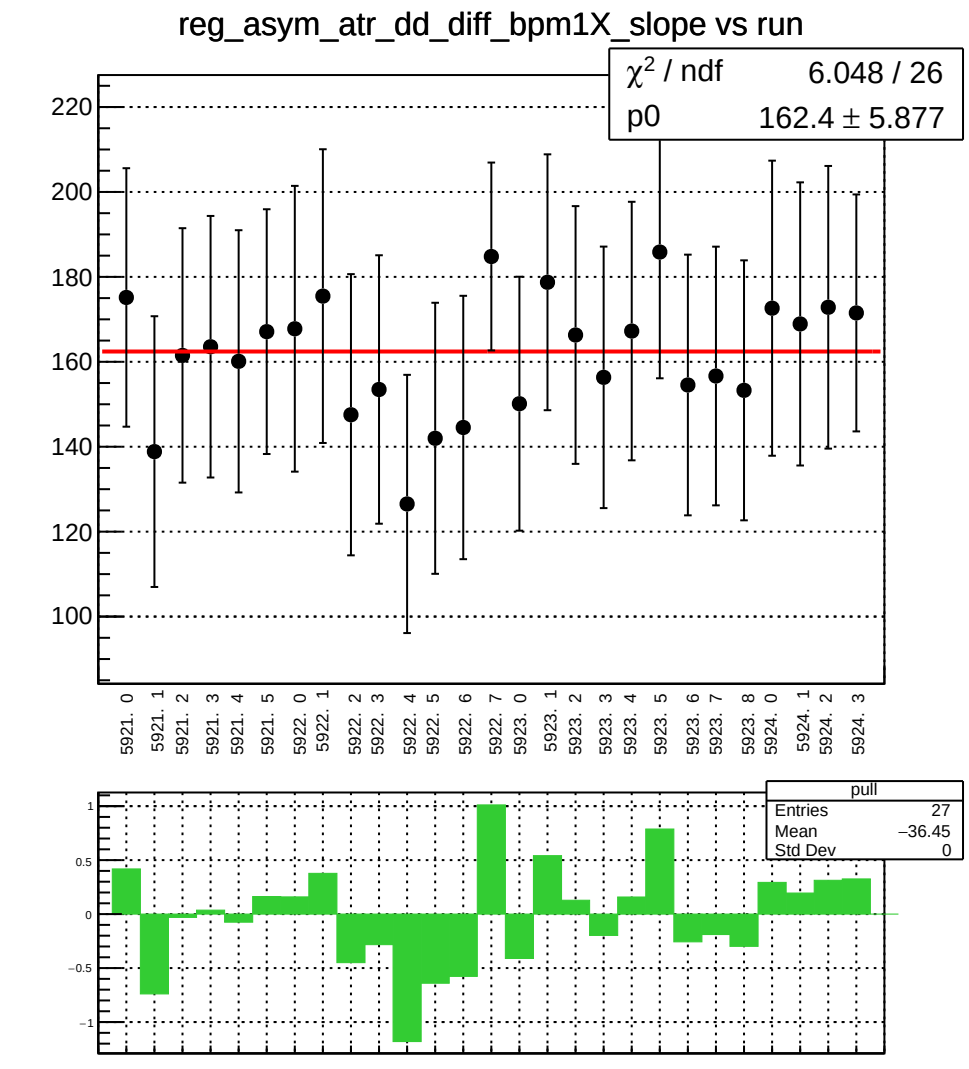

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 7.272 / 26
p0 354.1 ± 8.379
pull
Entries 27
Mean −183.2
Std Dev 0

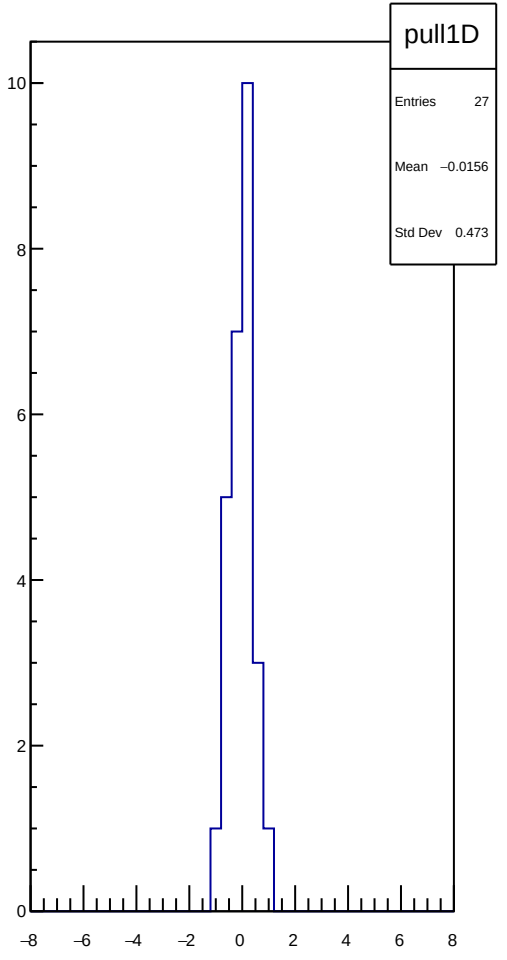

pull1D
Entries 27
Mean −0.00684
Std Dev 0.5189

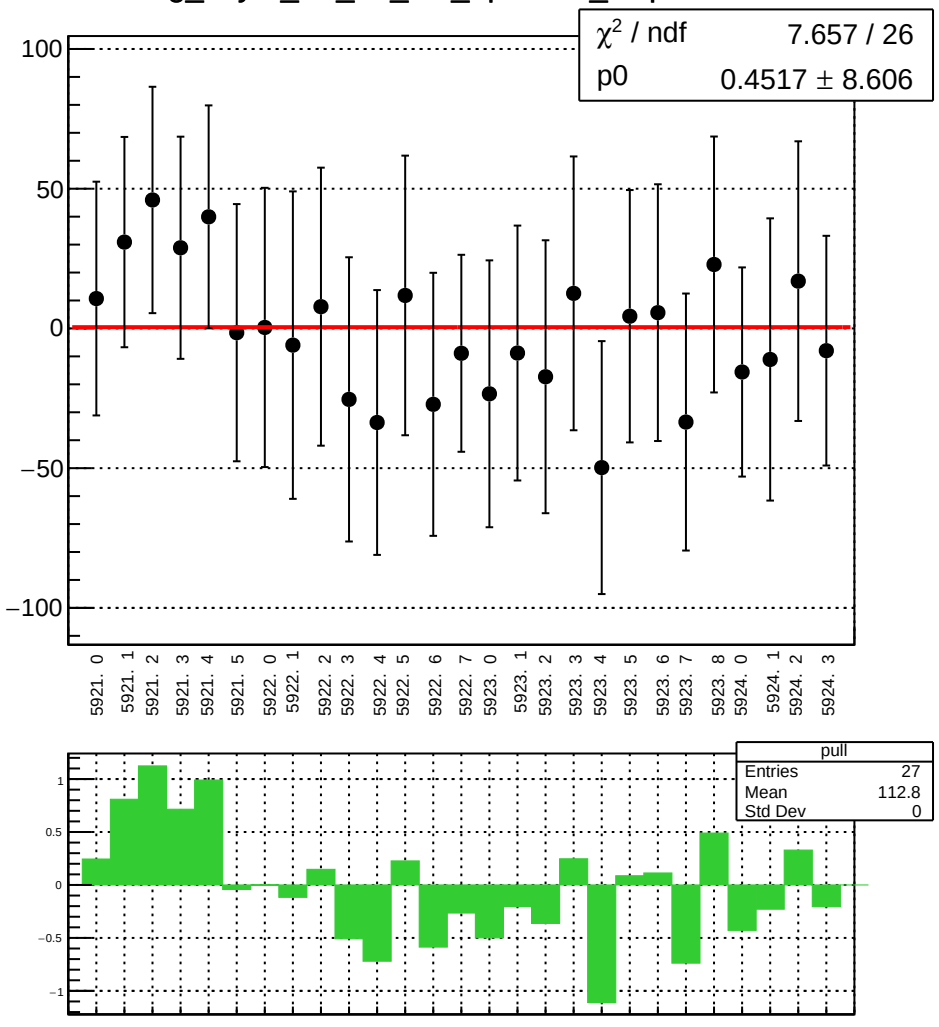

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.712 / 26
p0 33.72 ± 9.497
pull
Entries 27
Mean 73.52
Std Dev 0
pull1D
Entries 27
Mean −0.0102
Std Dev 0.4598

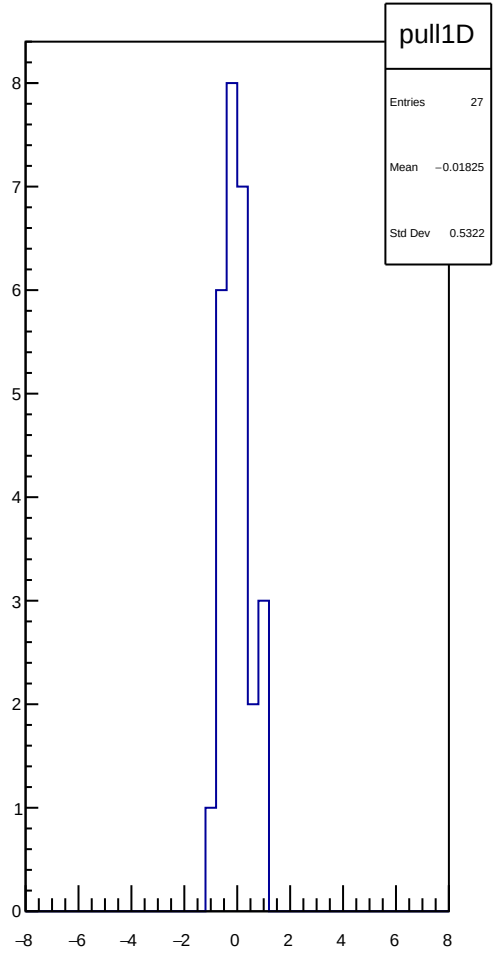

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 13.58 / 26
p0 −132.4 ± 0.6484
pull
Entries 27
Mean −66.05
Std Dev 0

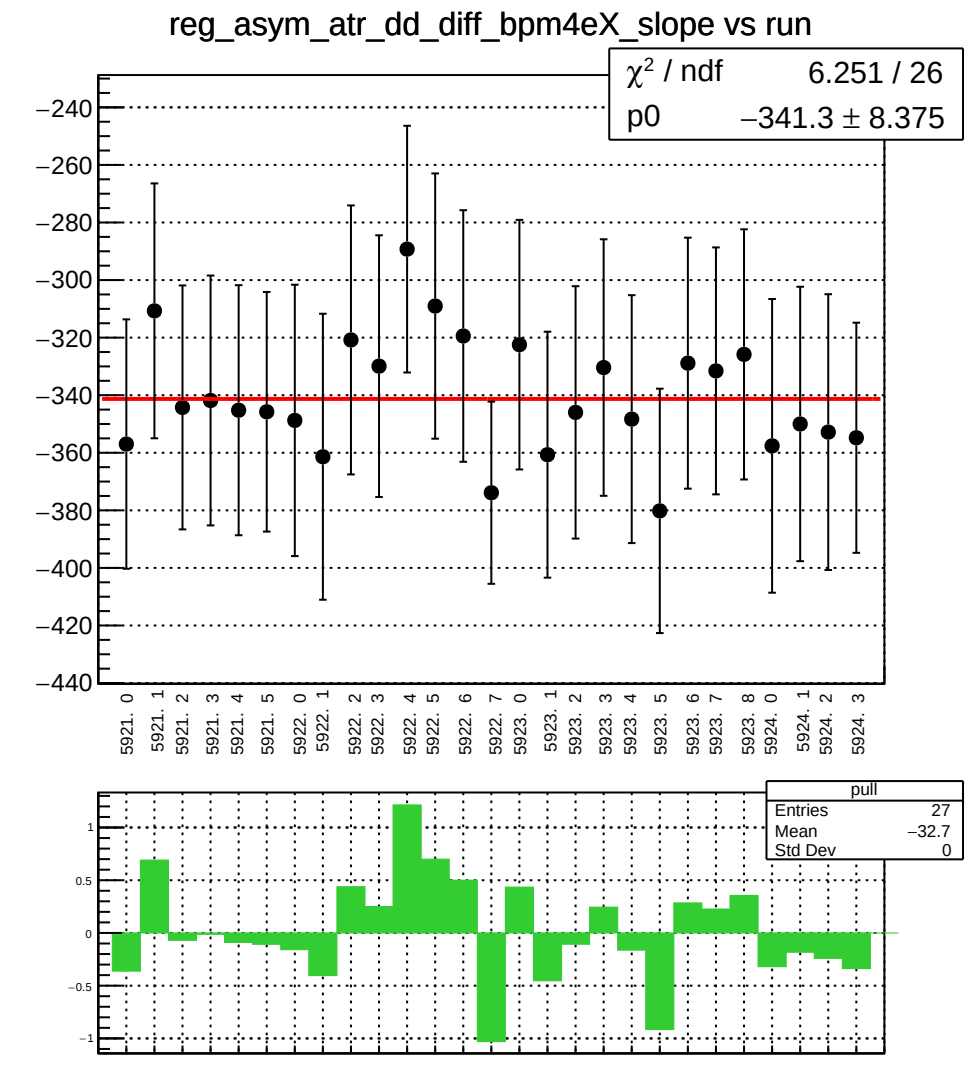

pull1D
Entries 27
Mean 0.0174
Std Dev 0.7089

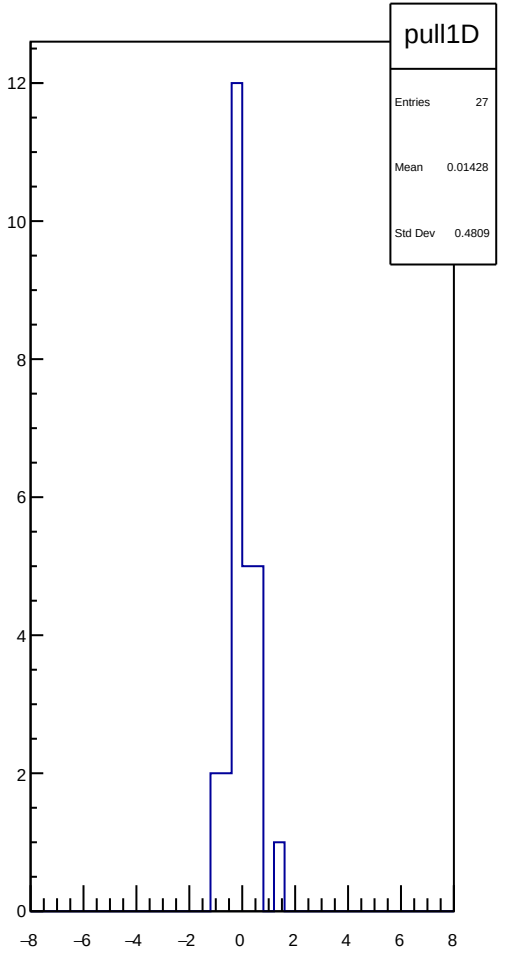

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 6.048 / 26
p0 162.4 ± 5.877
220
200
180
160
140
120
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −36.45
Std Dev 0
1
0.5
0
−0.5
−1

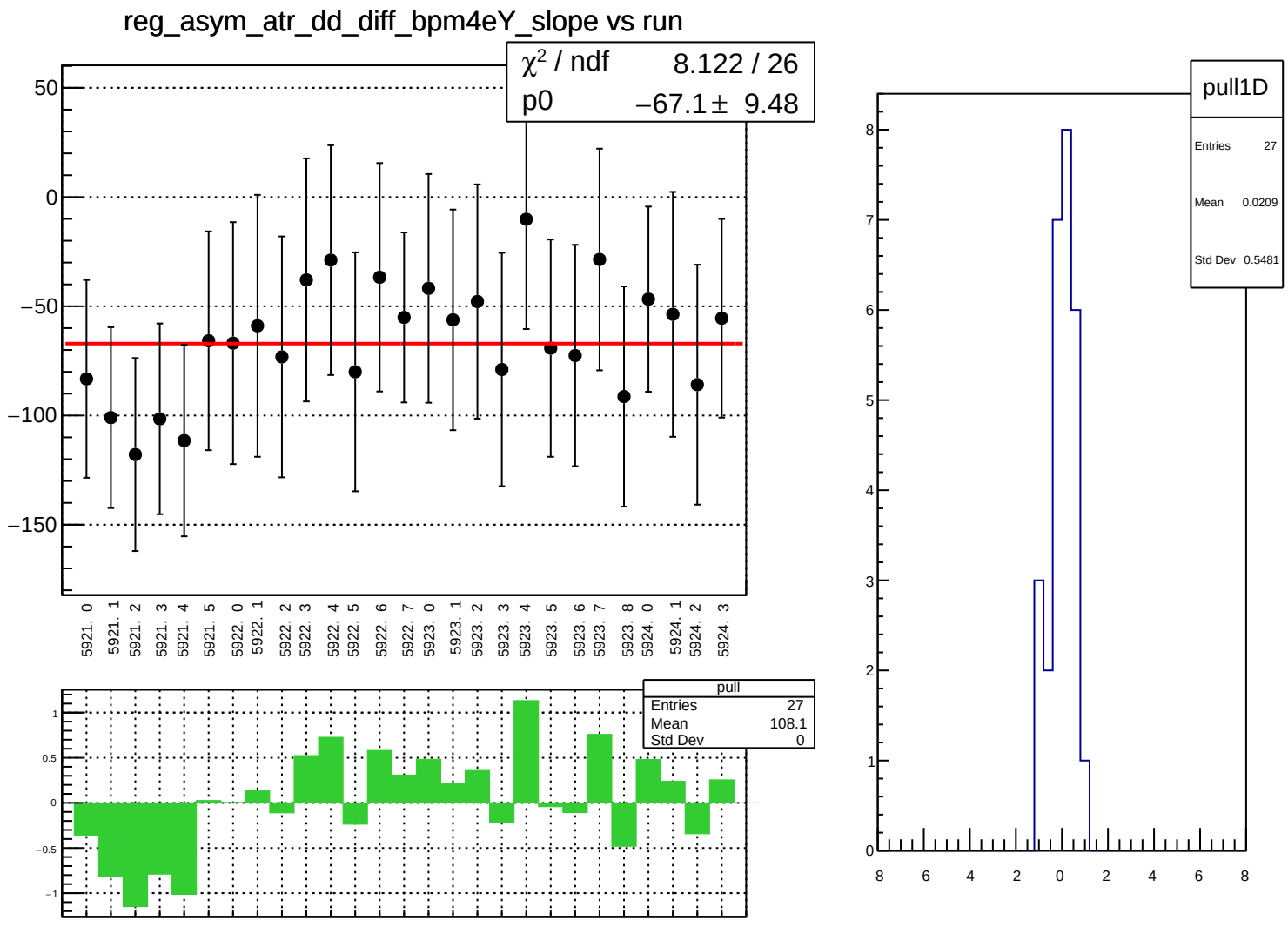

pull1D
Entries 27
Mean −0.0156
Std Dev 0.473
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

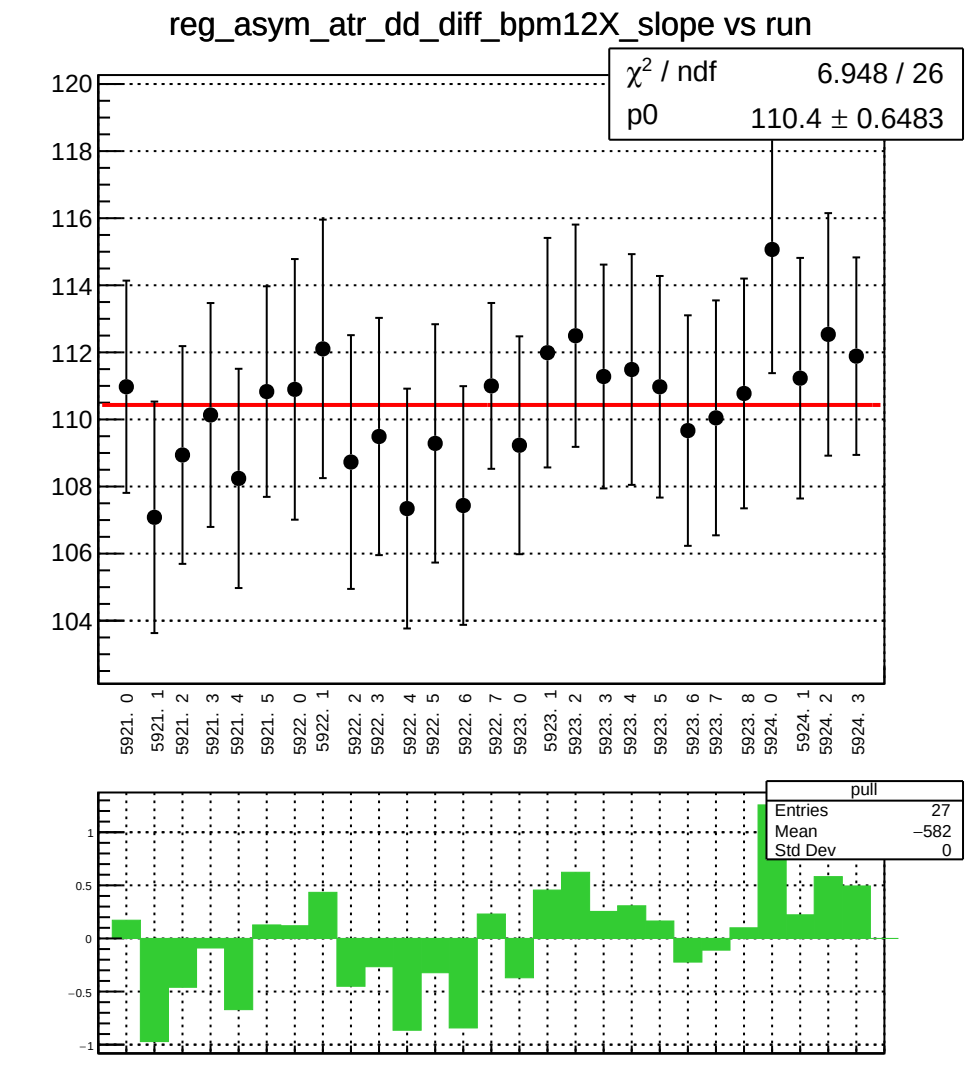

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.657 / 26
p0 0.4517 ± 8.606
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 112.8
Std Dev 0
1
0.5
0
−0.5
−1

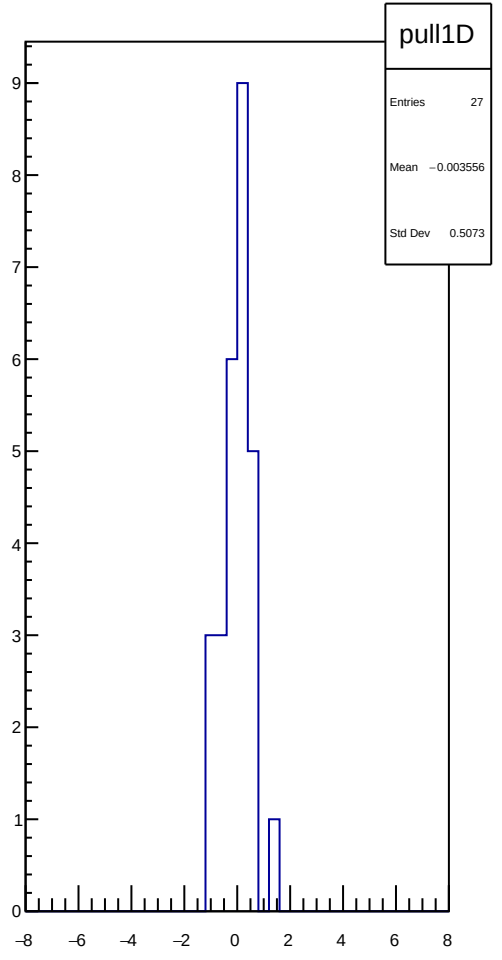

pull1D
Entries 27
Mean −0.01825
Std Dev 0.5322
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

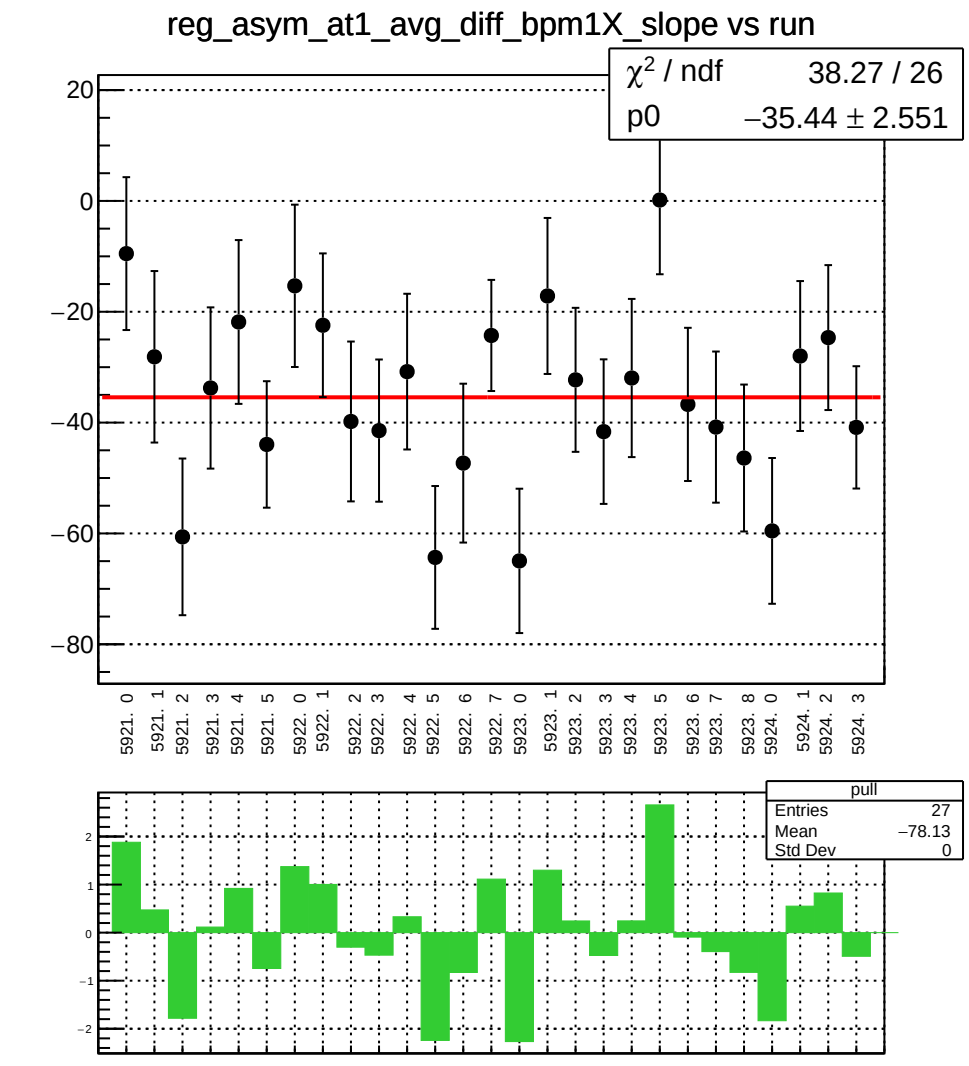

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.251 / 26
p0 −341.3 ± 8.375
−240
−260
−280
−300
−320
−340
−360
−380
−400
−420
−440
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −32.7
Std Dev 0
1
0.5
0
−0.5
−1

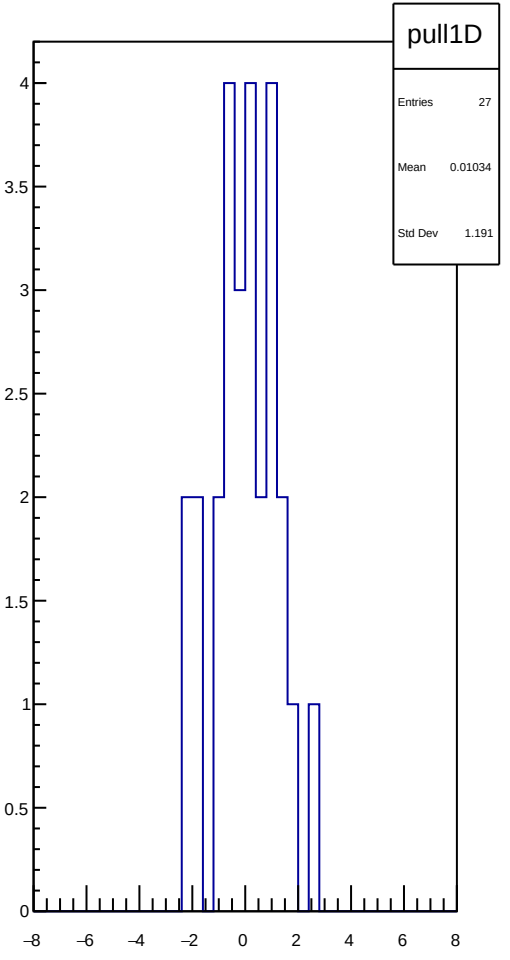

pull1D
Entries 27
Mean 0.01428
Std Dev 0.4809
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

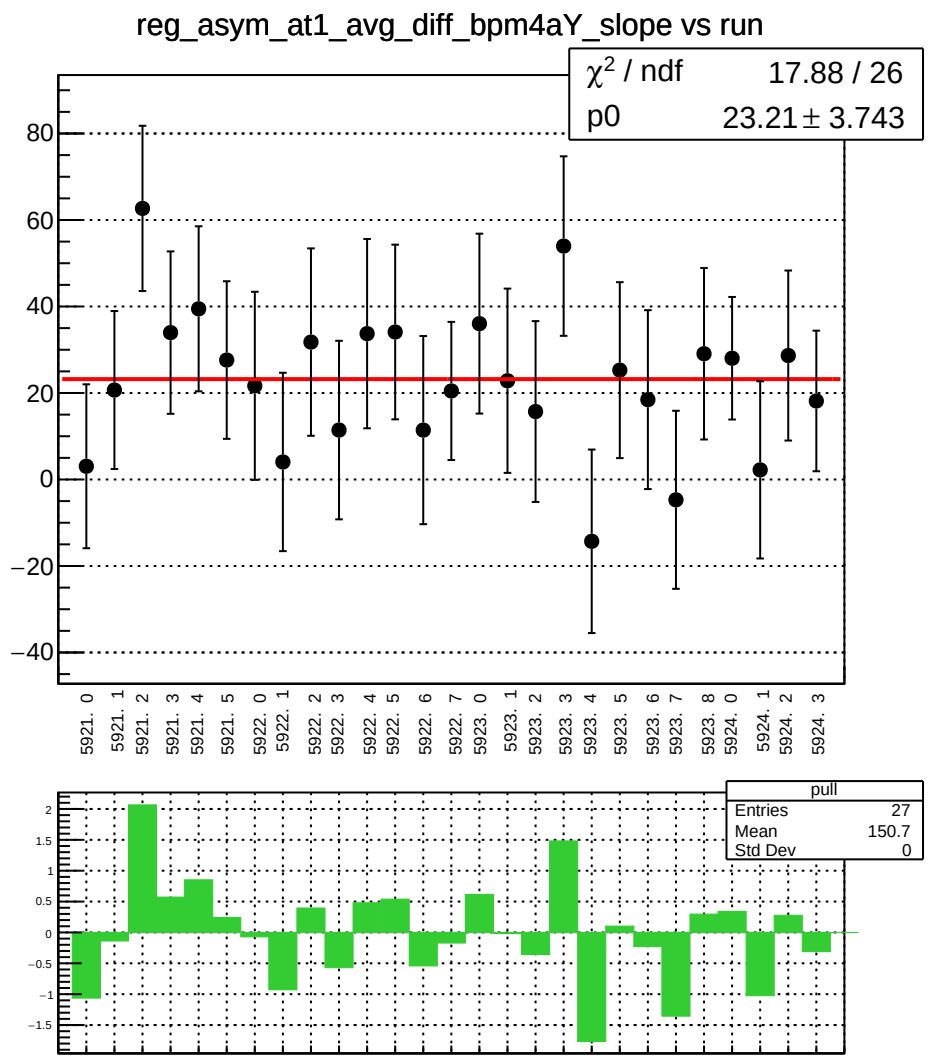

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.122 / 26
p0 −67.1 ± 9.48
50
0
−50
−100
−150
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 108.1
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 27
Mean 0.0209
Std Dev 0.5481
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

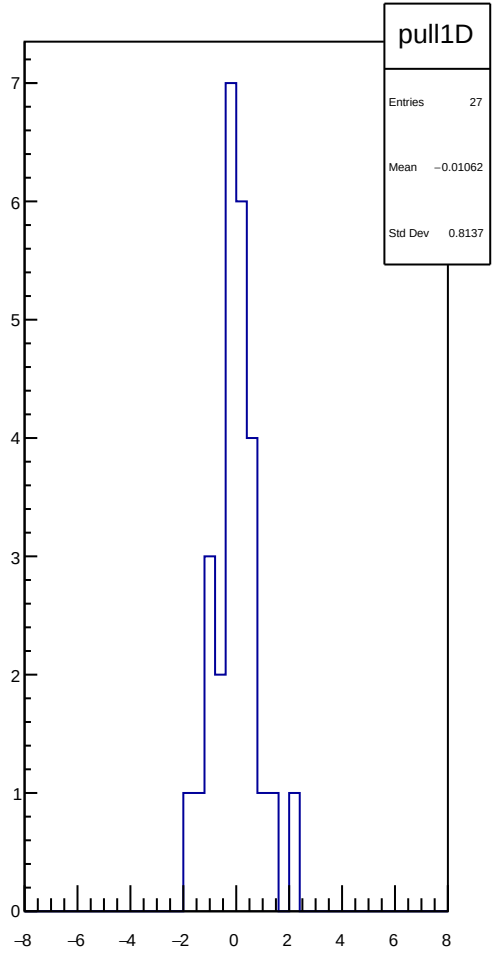

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 6.948 / 26
p0 110.4 ± 0.6483
120
118
116
114
112
110
108
106
104
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −582
Std Dev 0
1
0.5
0
−0.5
−1

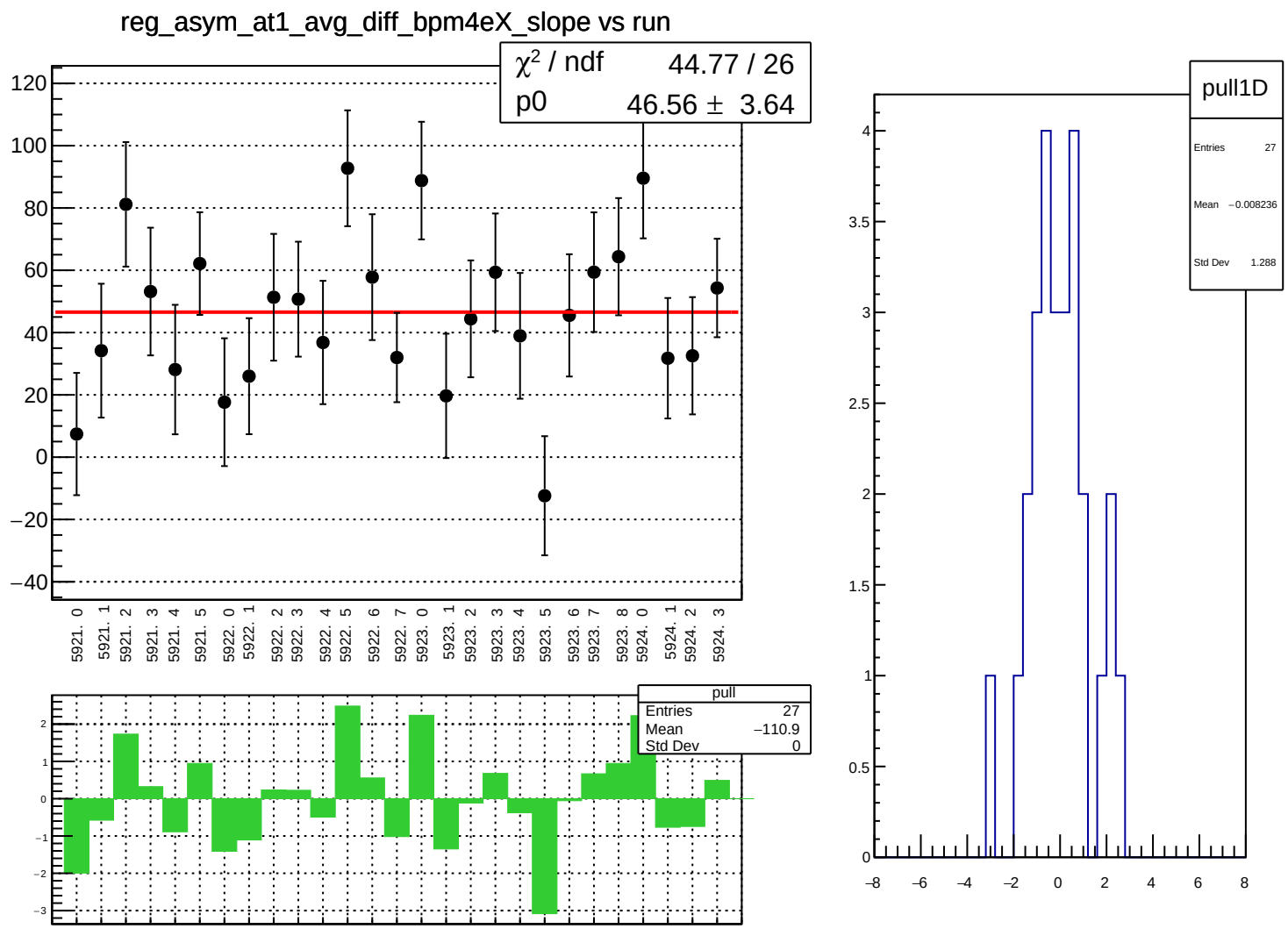

pull1D
Entries 27
Mean −0.003556
Std Dev 0.5073
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

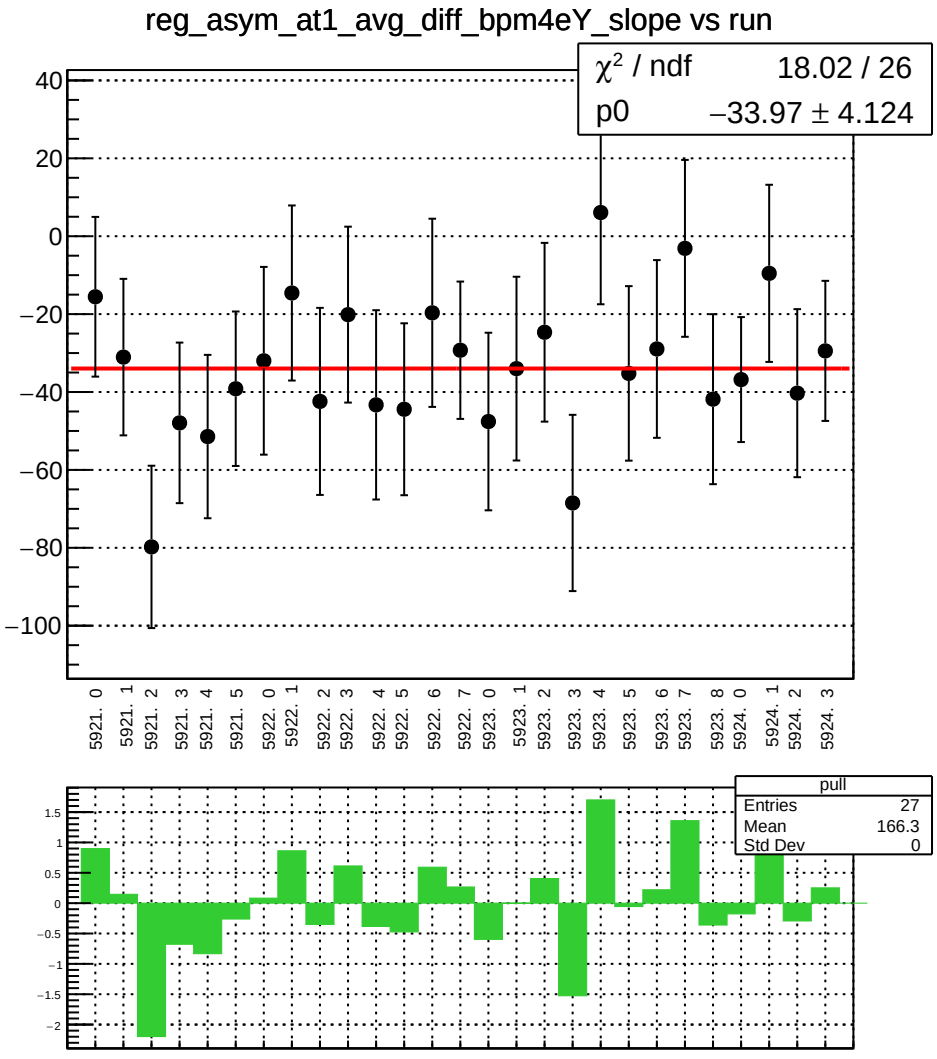

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 38.27 / 26
p0 −35.44 ± 2.551
20
0
−20
−40
−60
−80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −78.13
Std Dev 0
2
1
0
−1
−2

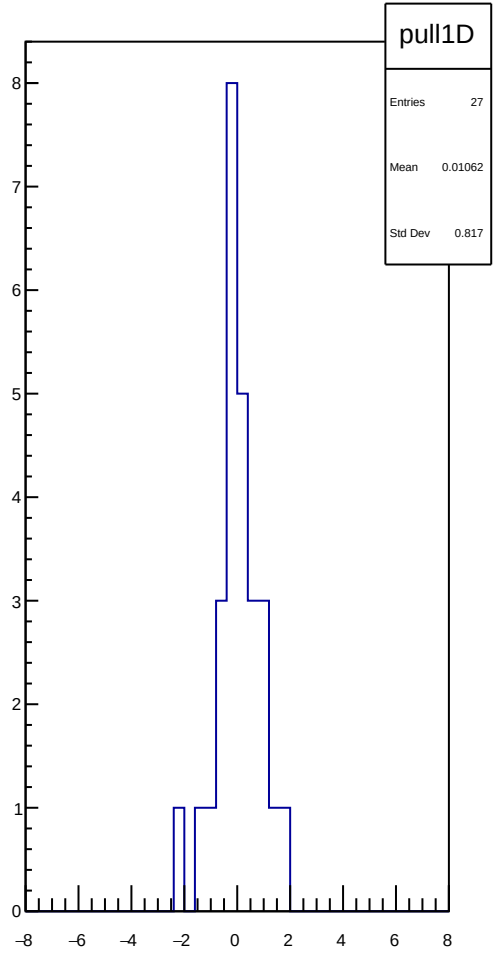

pull1D
Entries 27
Mean 0.01034
Std Dev 1.191
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

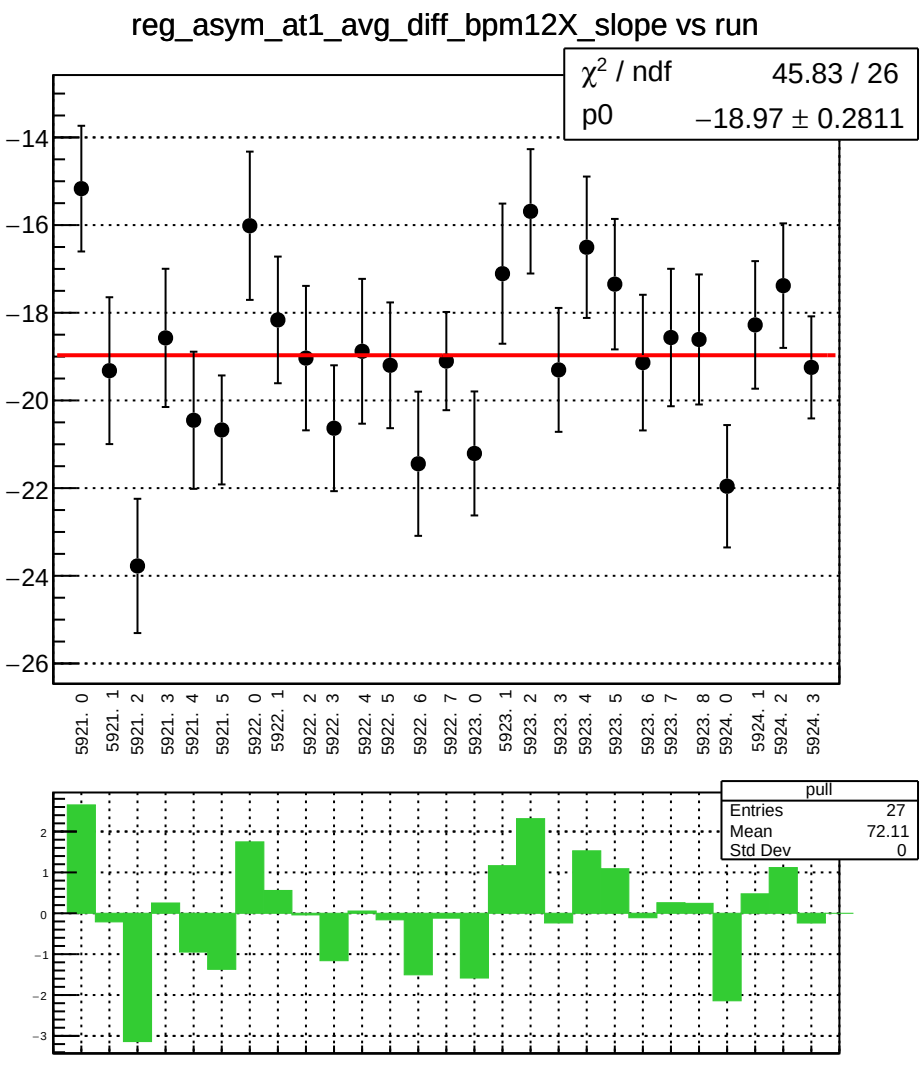

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 17.88 / 26
p0 23.21 ± 3.743
80
60
40
20
0
−20
−40
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 150.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

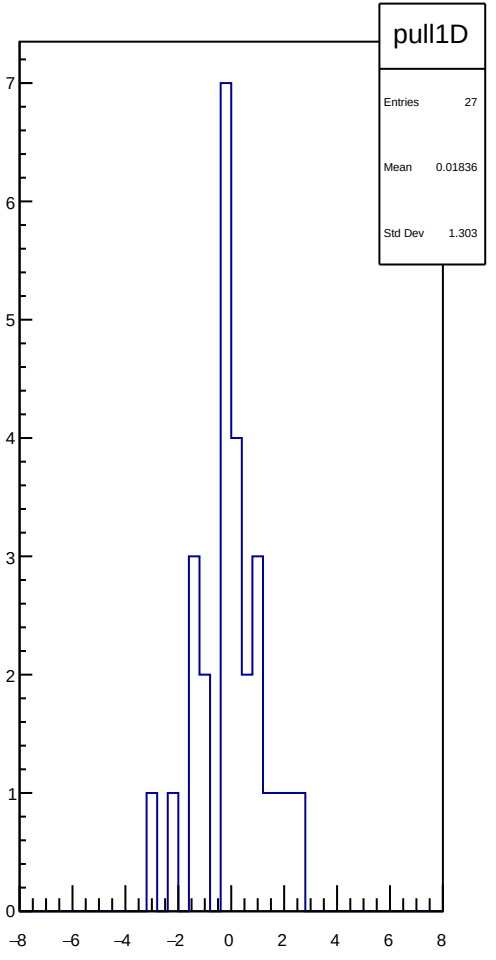

pull1D
Entries 27
Mean −0.01062
Std Dev 0.8137
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

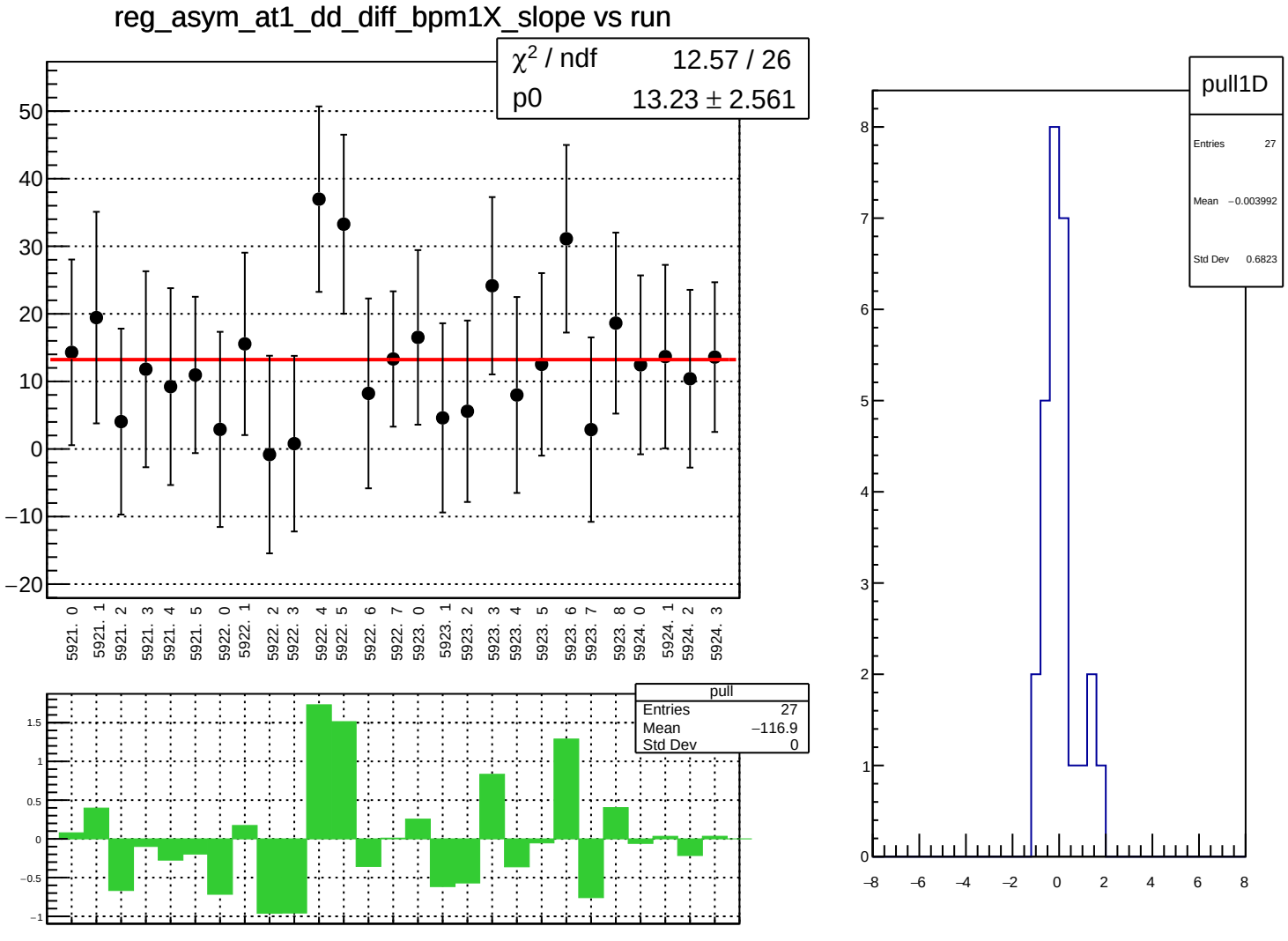

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 44.77 / 26
p0 46.56 ± 3.64
120
100
80
60
40
20
0
−20
−40
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −110.9
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 27
Mean −0.008236
Std Dev 1.288
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

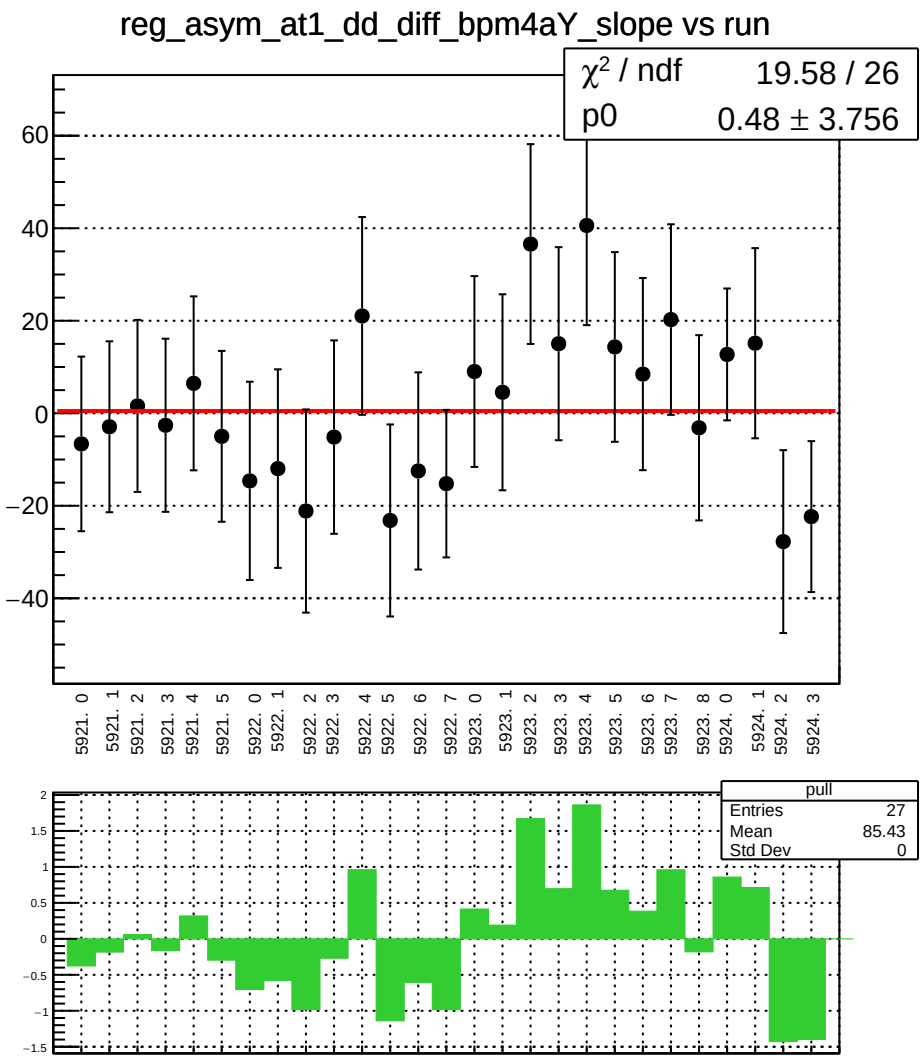

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 18.02 / 26
p0 −33.97 ± 4.124
pull
Entries 27
Mean 166.3
Std Dev 0

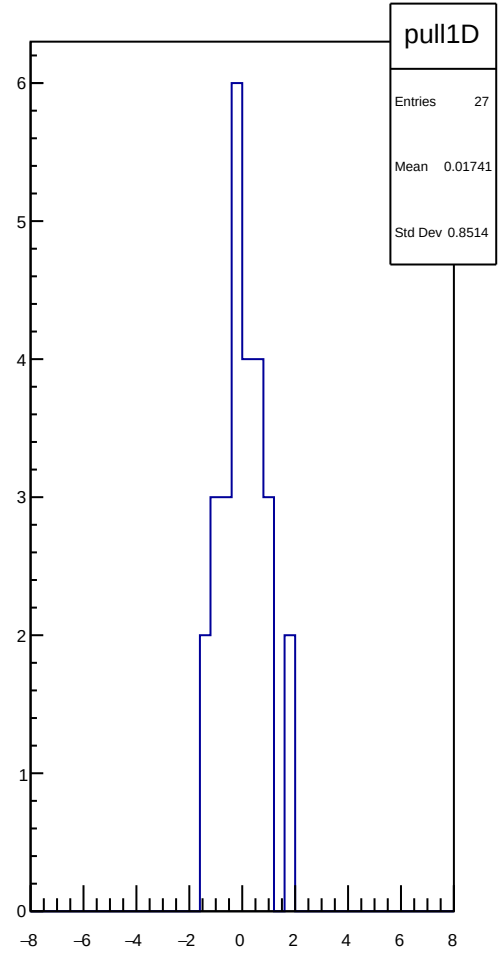

pull1D
Entries 27
Mean 0.01062
Std Dev 0.817

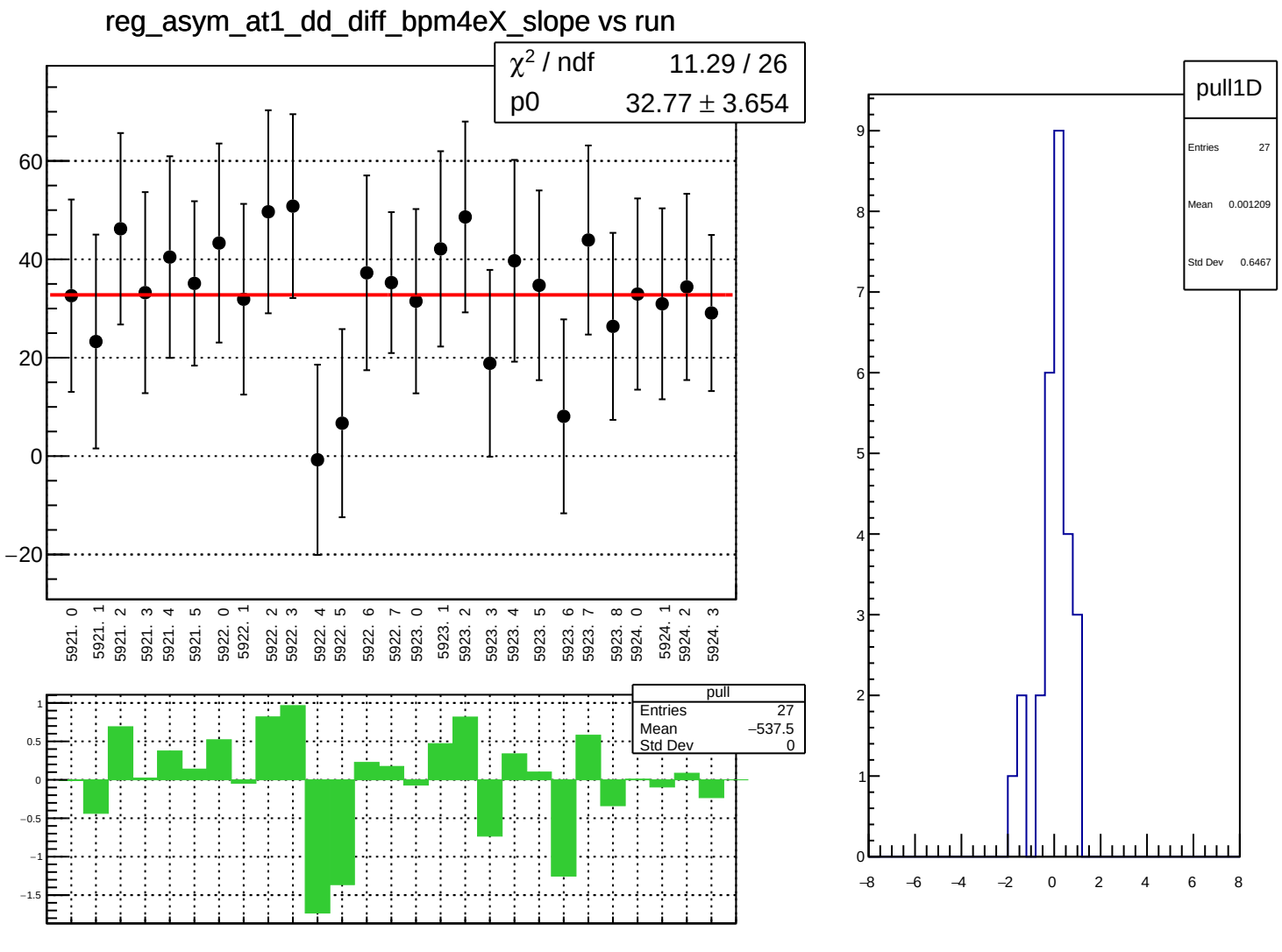

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 45.83 / 26
p0 −18.97 ± 0.2811
−14
−16
−18
−20
−22
−24
−26
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 72.11
Std Dev 0
2
1
0
−1
−2
−3

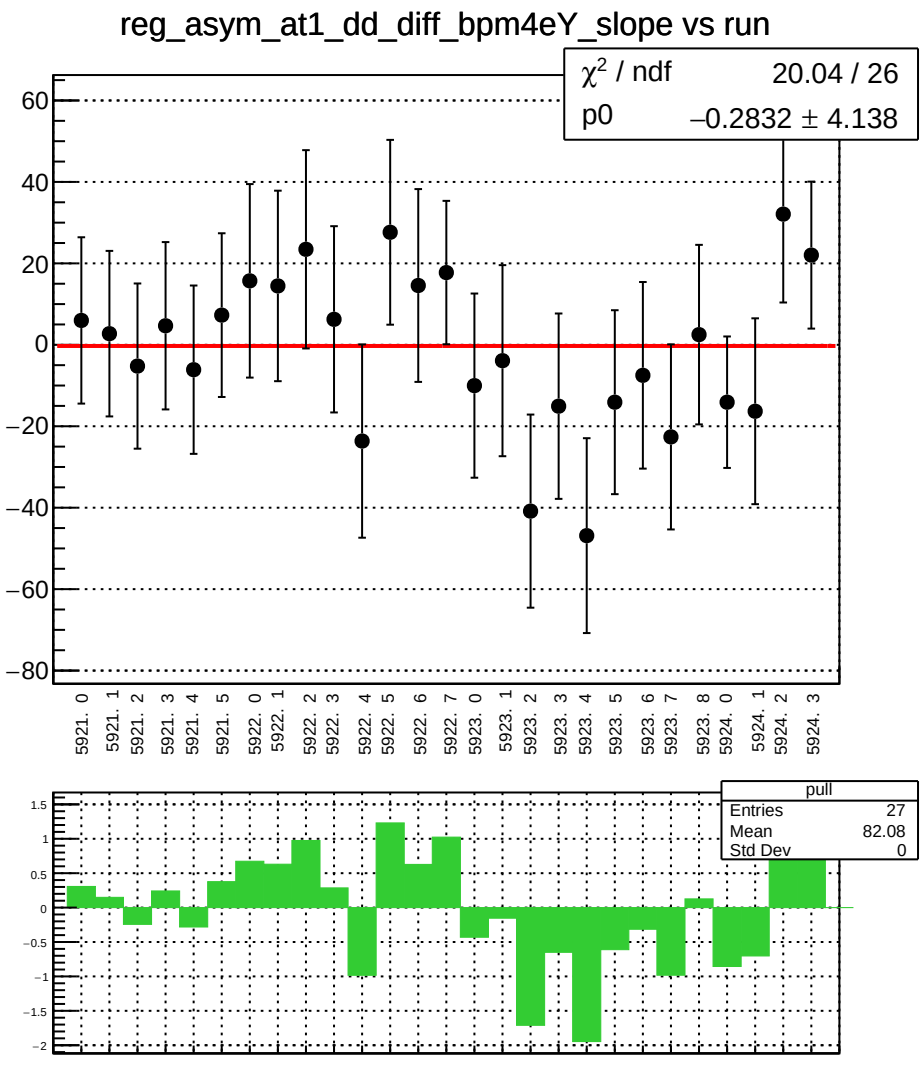

pull1D
Entries 27
Mean 0.01836
Std Dev 1.303
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

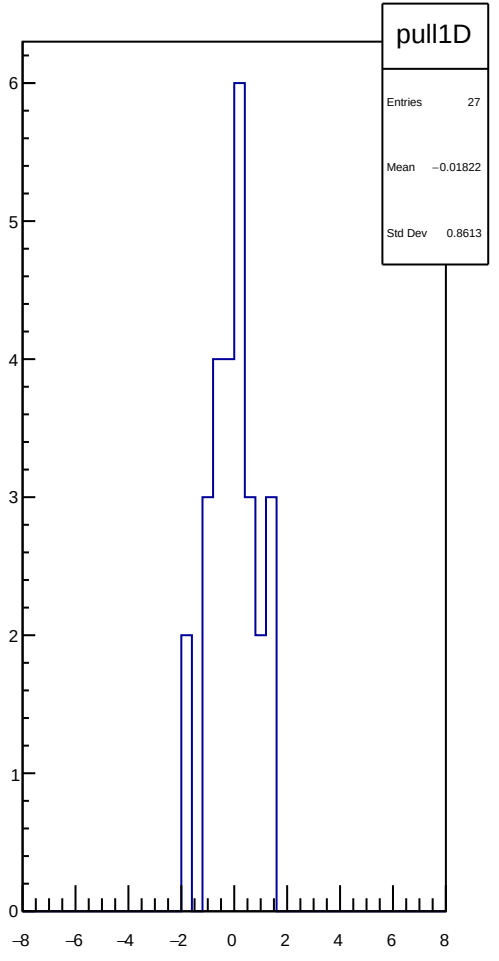

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 12.57 / 26
p0 13.23 ± 2.561
pull
Entries 27
Mean −116.9
Std Dev 0
pull1D
Entries 27
Mean −0.003992
Std Dev 0.6823

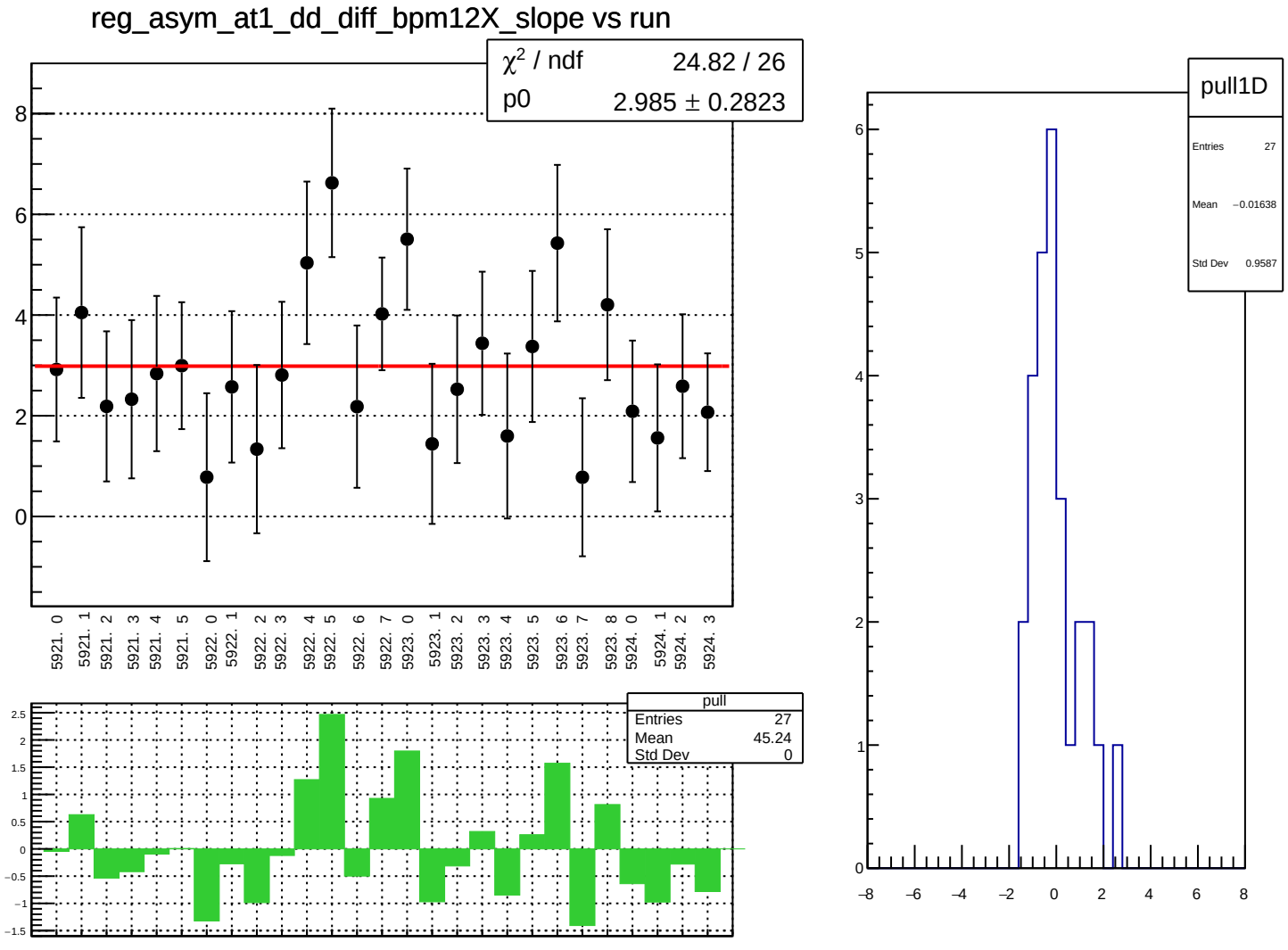

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 19.58 / 26
p0 0.48 ± 3.756
60
40
20
0
−20
−40
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 85.43
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

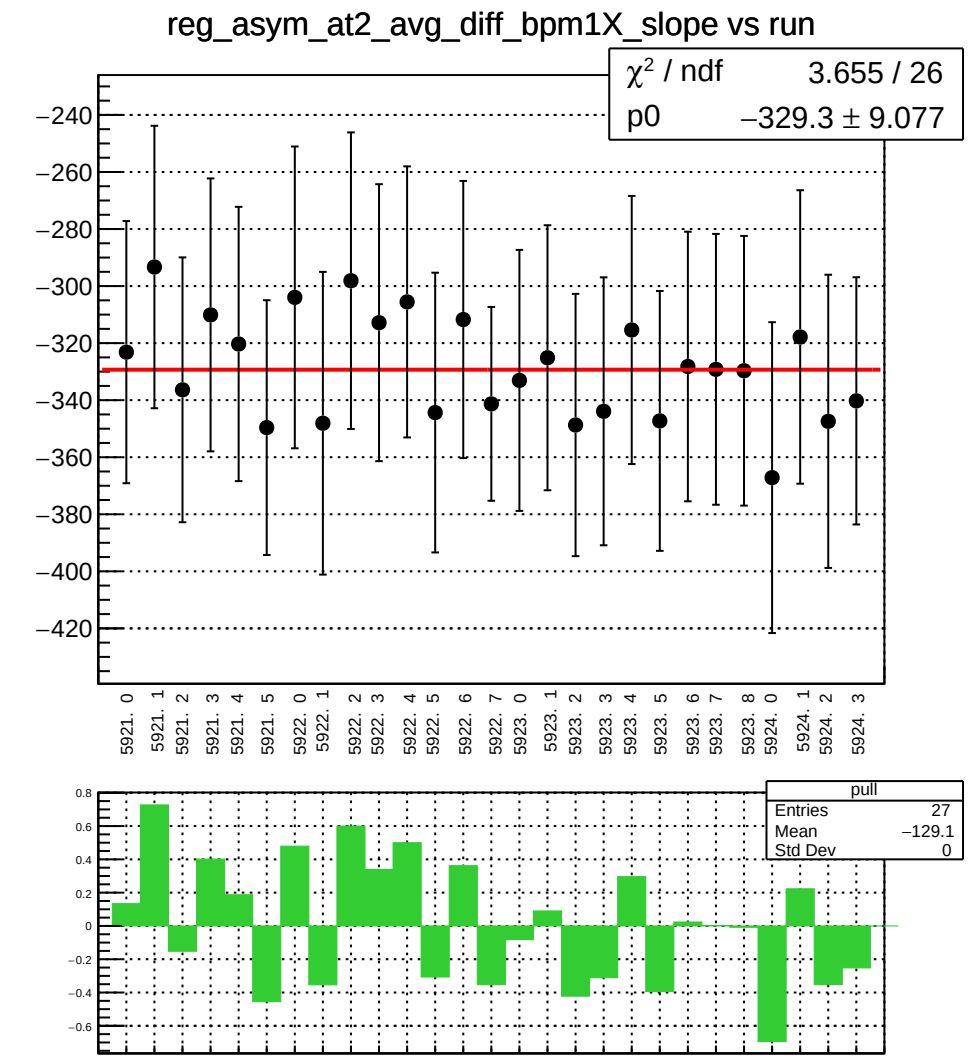

pull1D
Entries 27
Mean 0.01741
Std Dev 0.8514
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

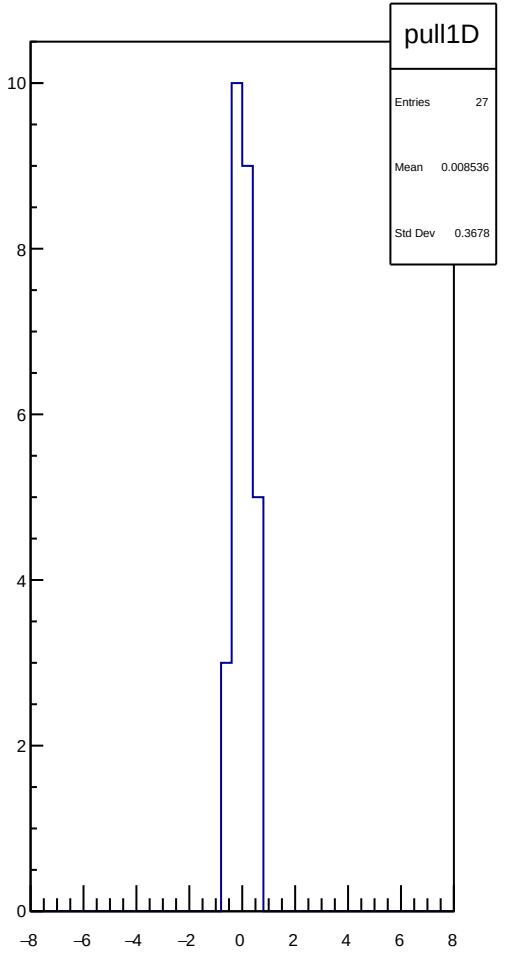

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.29 / 26
p0 32.77 ± 3.654
60
40
20
0
−20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −537.5
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.001209
Std Dev 0.6467
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

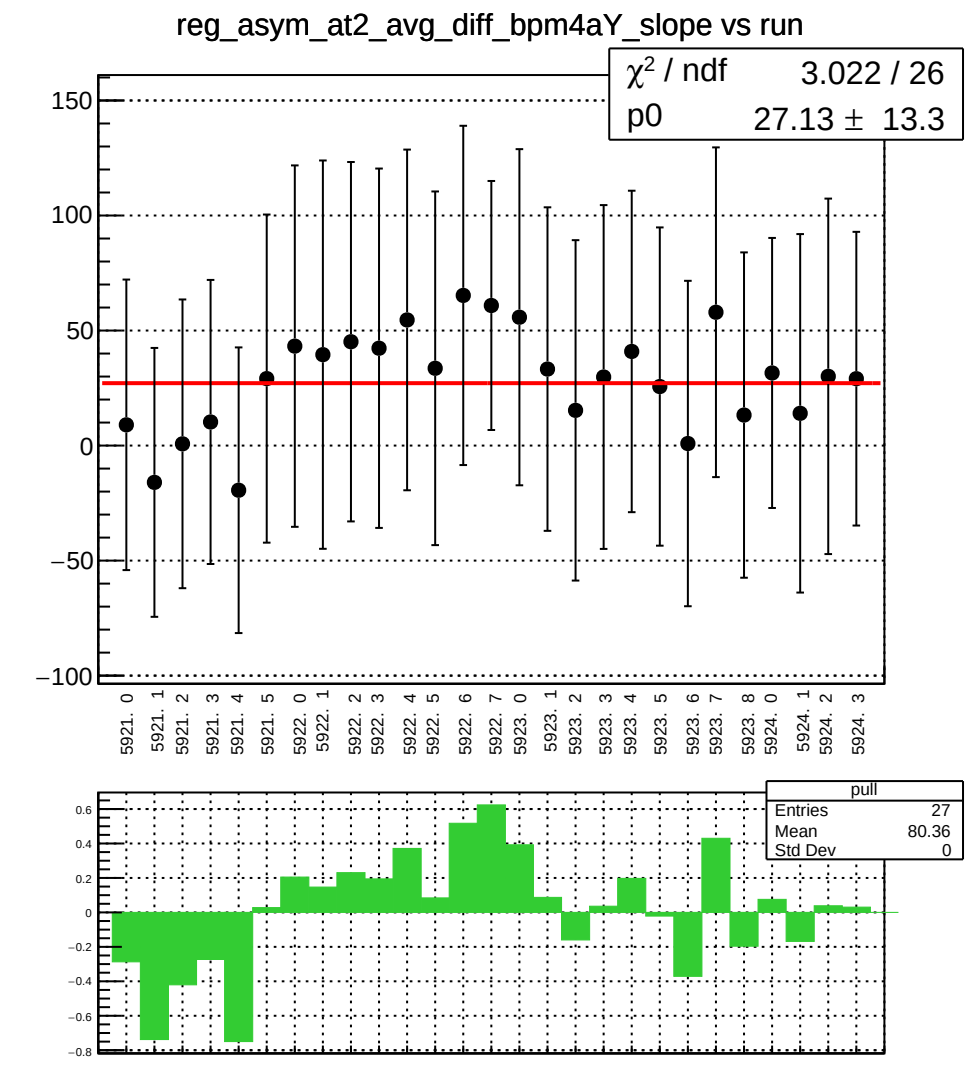

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 20.04 / 26
p0 −0.2832 ± 4.138
60
40
20
0
−20
−40
−60
−80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 82.08
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

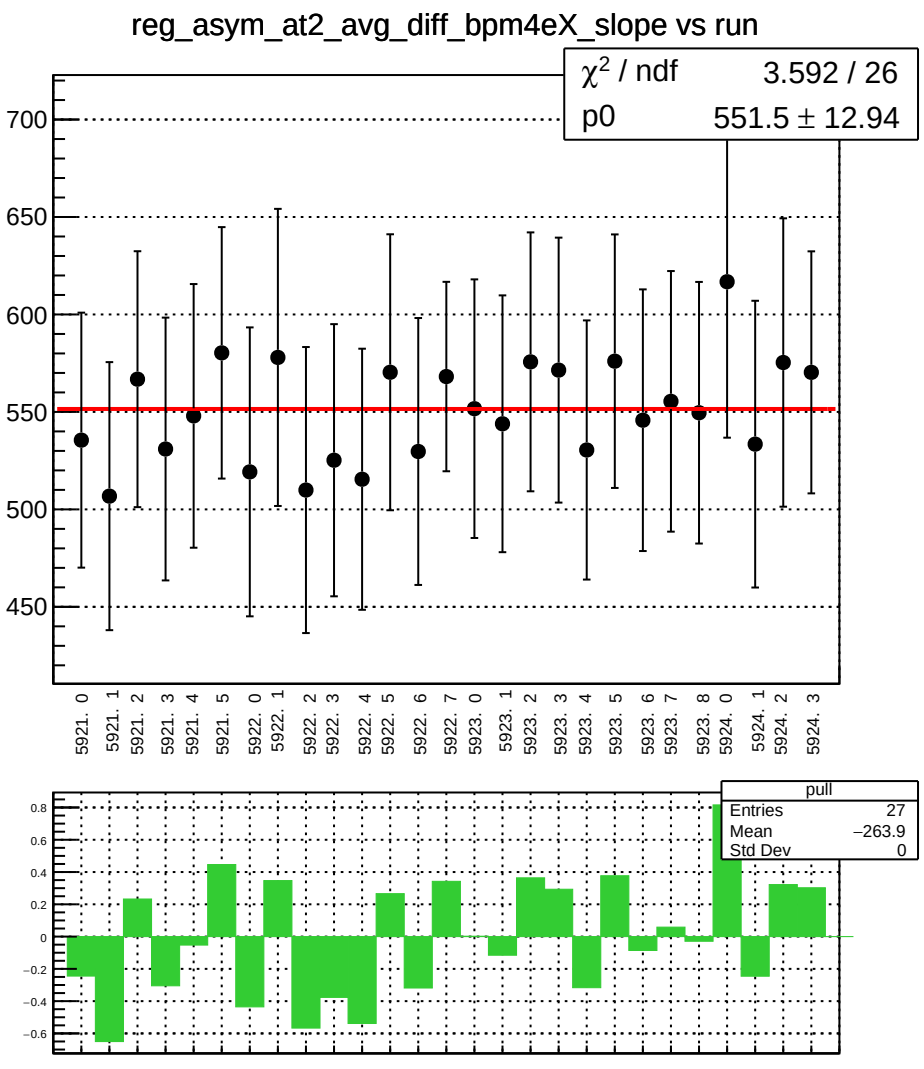

pull1D
Entries 27
Mean −0.01822
Std Dev 0.8613
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

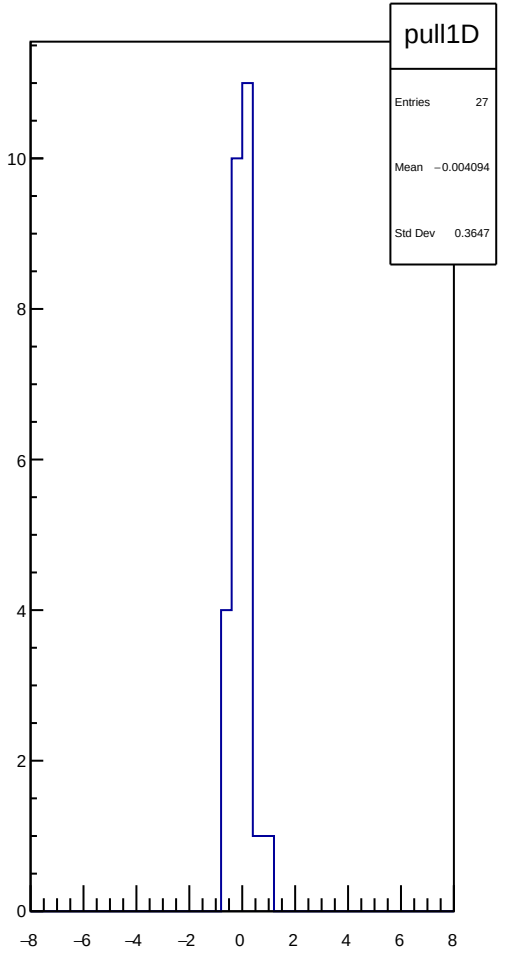

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 24.82 / 26
p0 2.985 ± 0.2823
pull
Entries 27
Mean 45.24
Std Dev 0
pull1D
Entries 27
Mean −0.01638
Std Dev 0.9587

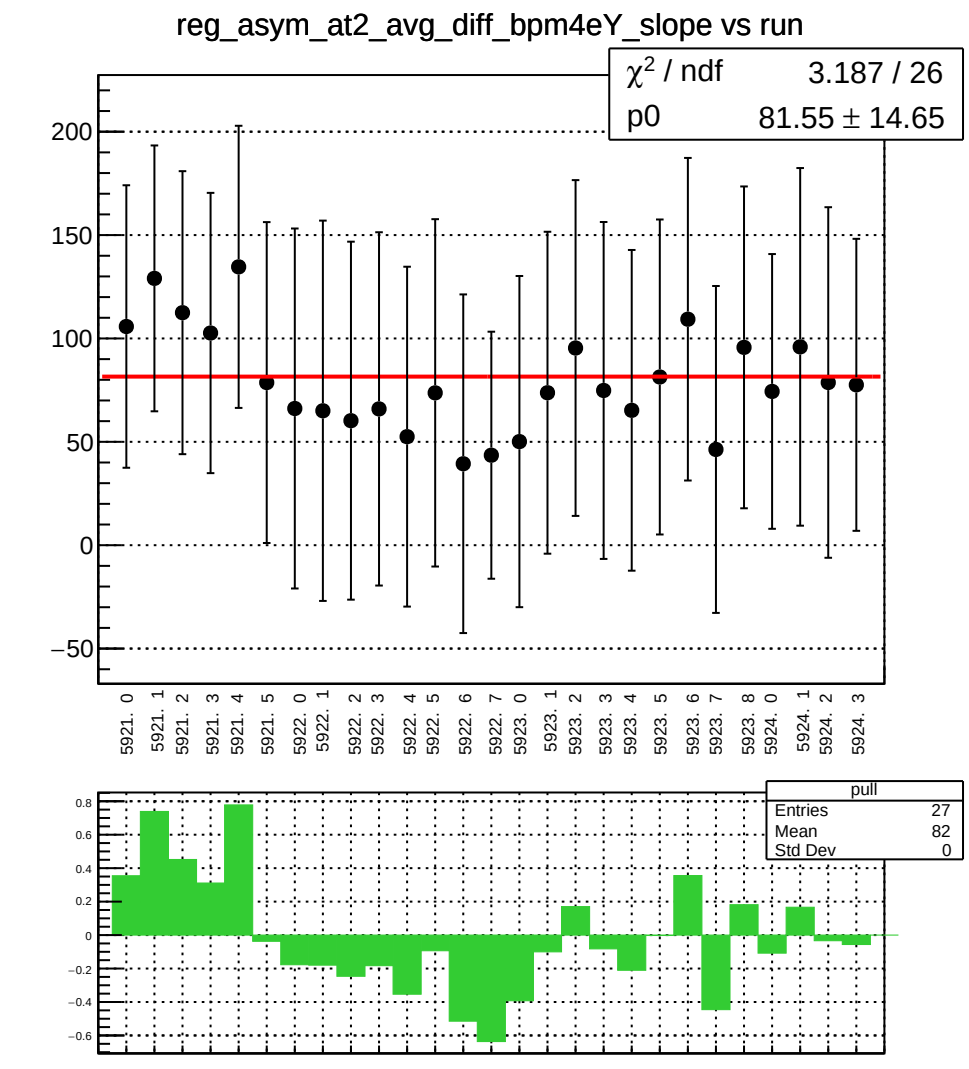

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 3.655 / 26
p0 −329.3 ± 9.077
−240
−260
−280
−300
−320
−340
−360
−380
−400
−420
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −129.1
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

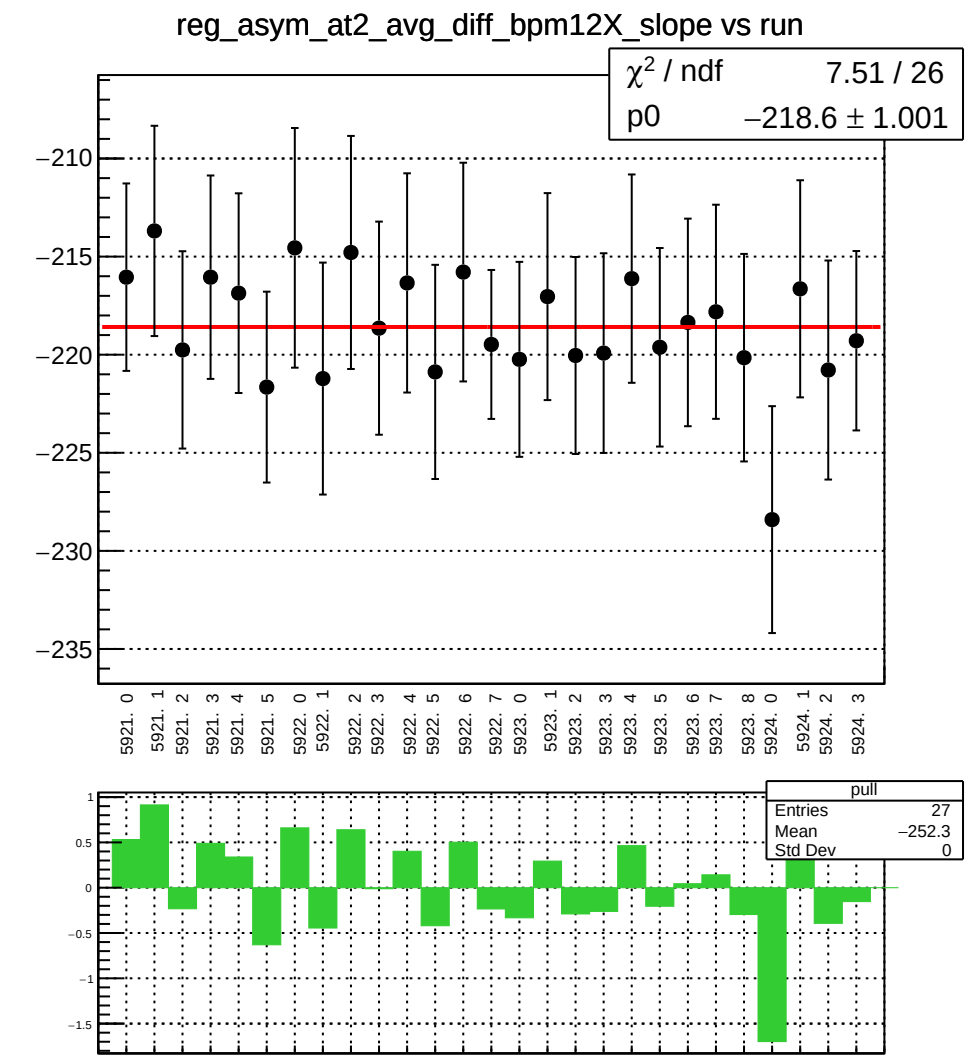

pull1D
Entries 27
Mean 0.008536
Std Dev 0.3678
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

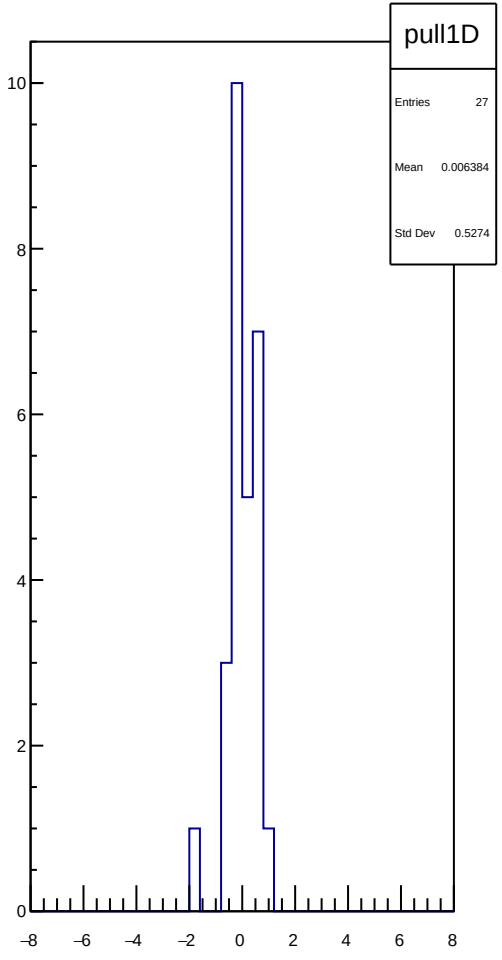

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.022 / 26
p0 27.13 ± 13.3
150
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 80.36
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 27
Mean 0.01127
Std Dev 0.3344
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

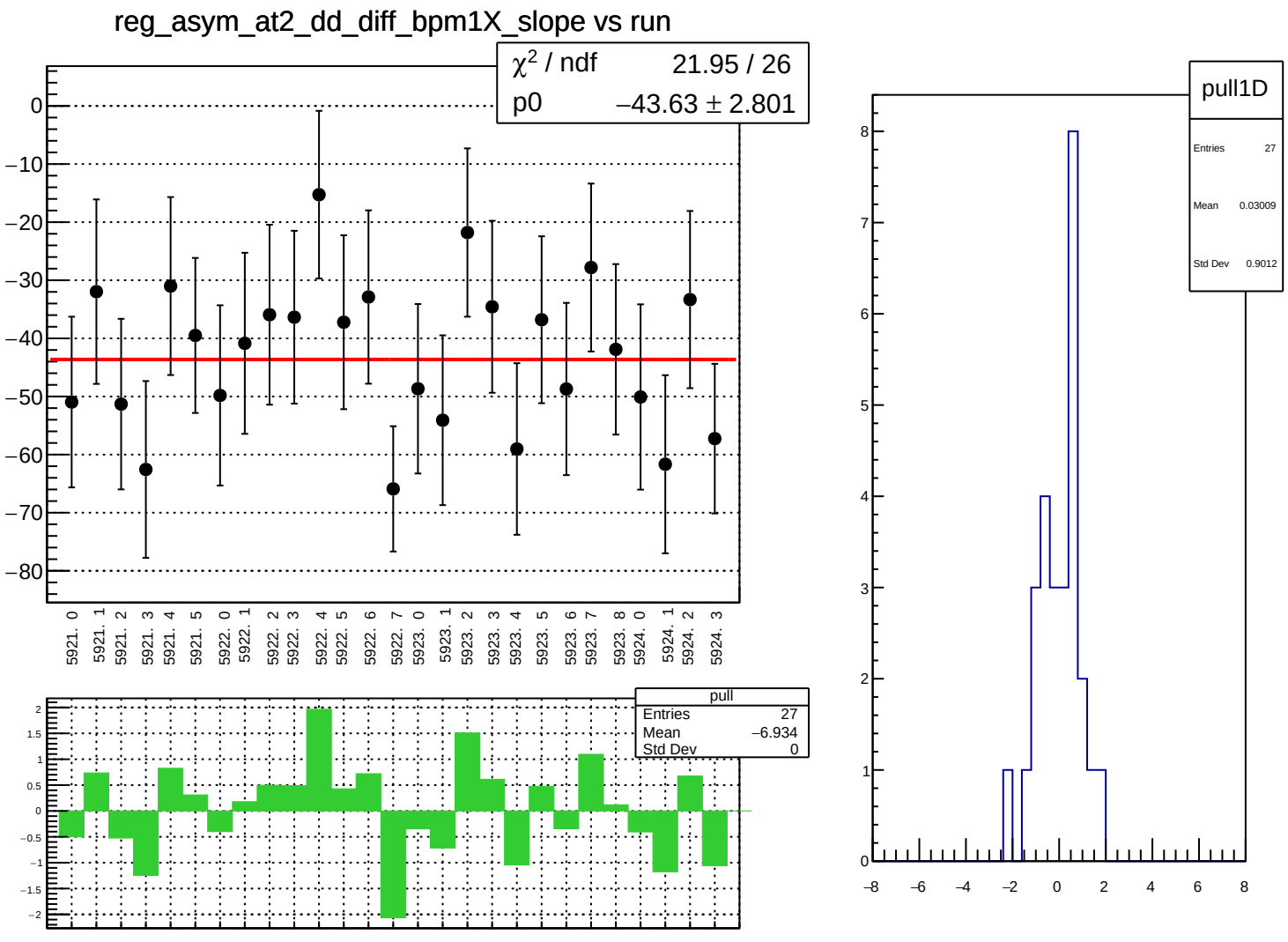

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.592 / 26
p0 551.5 ± 12.94
700
650
600
550
500
450
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −263.9
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

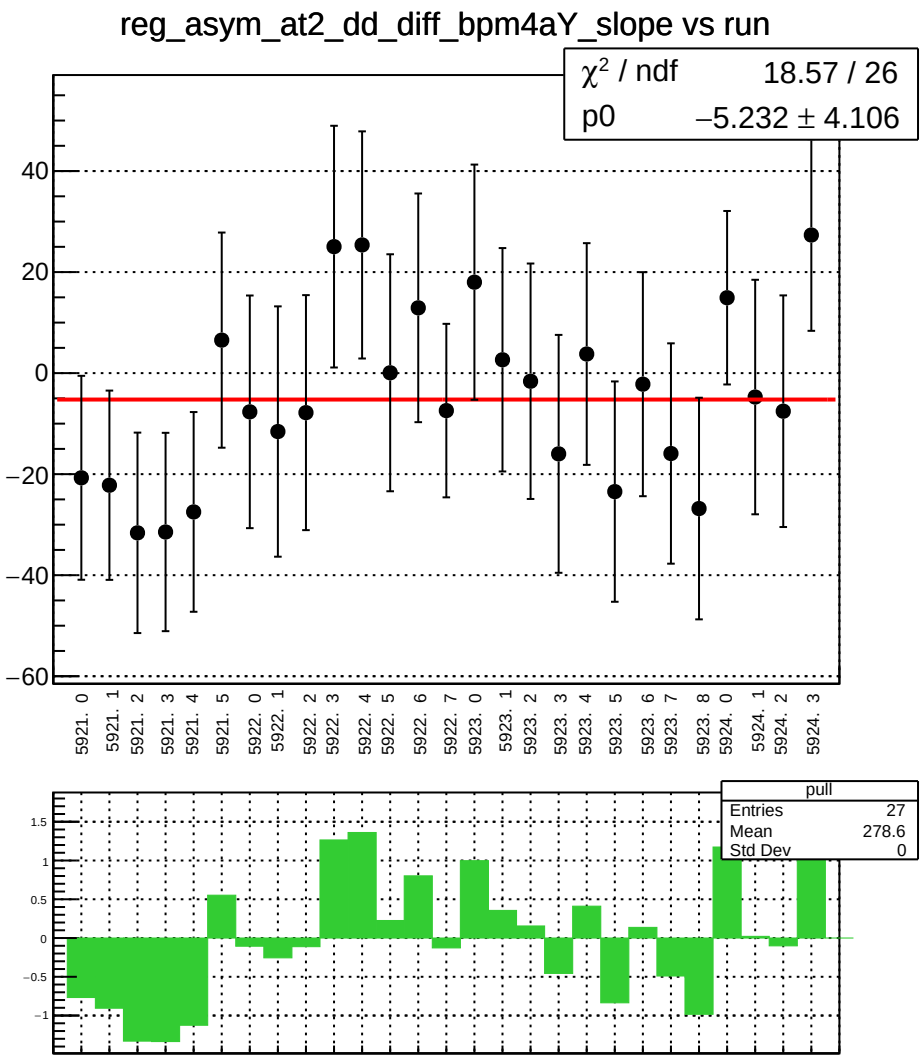

pull1D
Entries 27
Mean −0.004094
Std Dev 0.3647
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

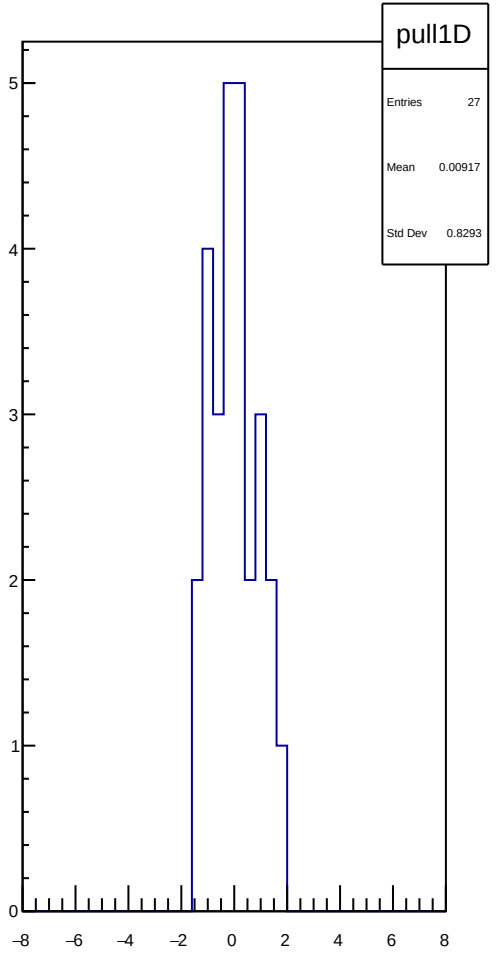

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.187 / 26
p0 81.55 ± 14.65
200
150
100
50
0
−50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 82
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 27
Mean −0.01272
Std Dev 0.3433
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

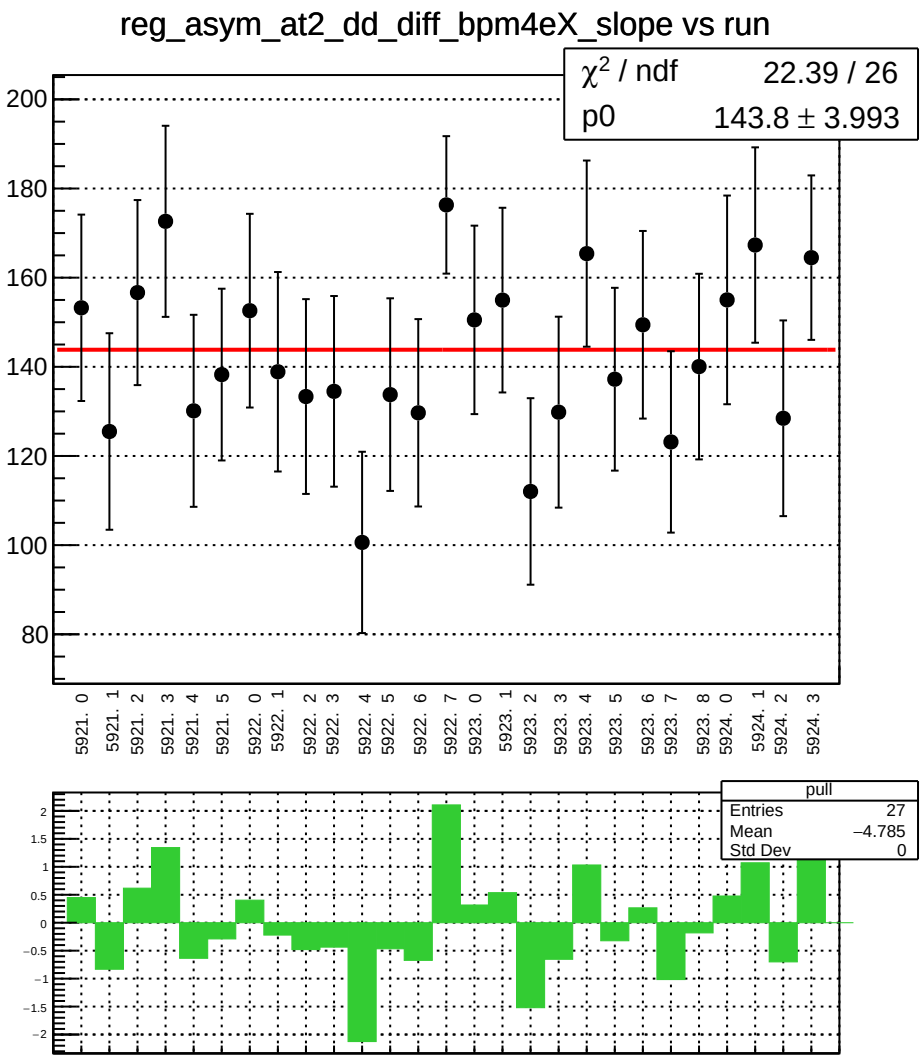

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 7.51 / 26
p0 −218.6 ± 1.001
−210
−215
−220
−225
−230
−235
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −252.3
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

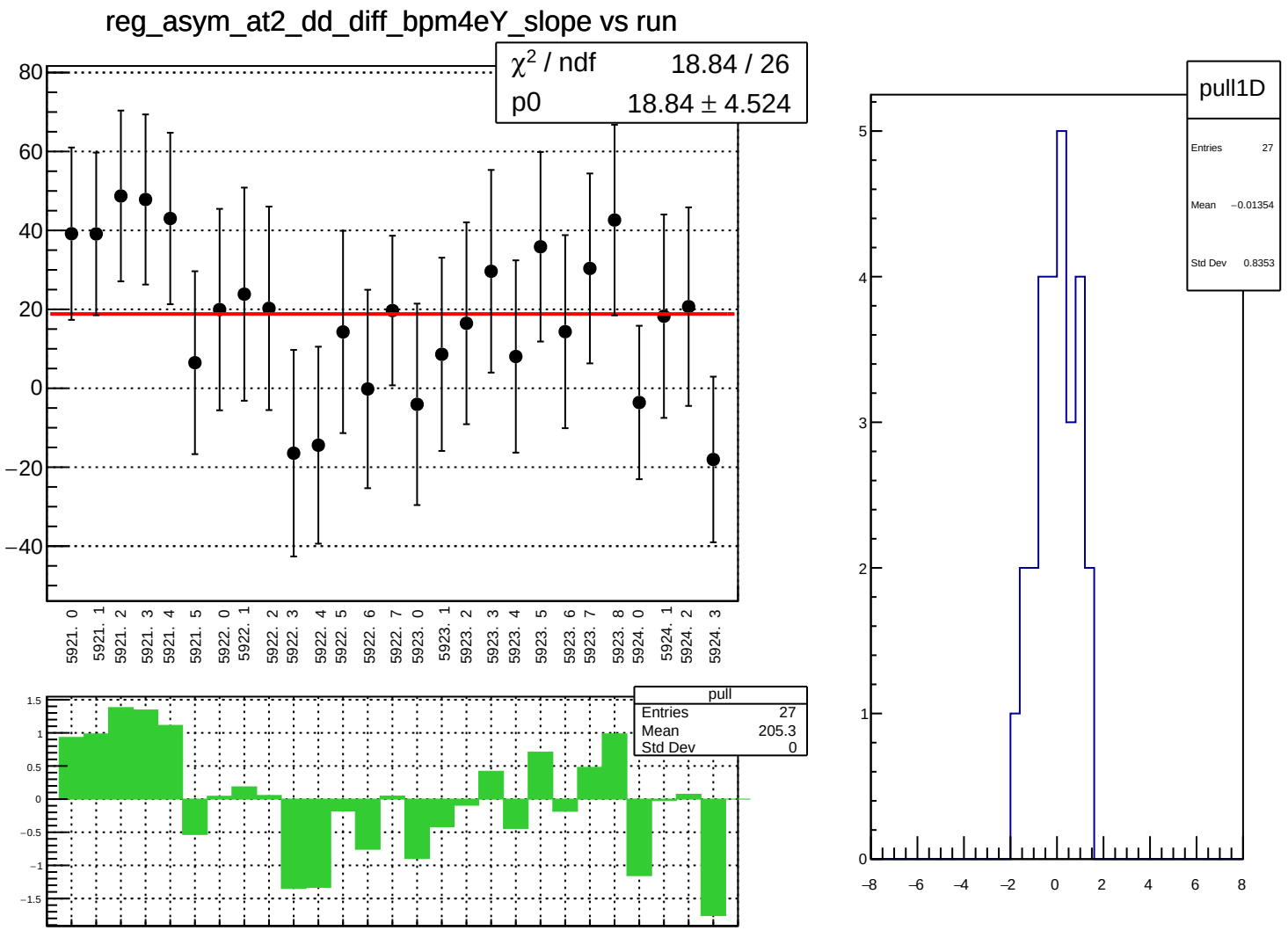

pull1D
Entries 27
Mean 0.006384
Std Dev 0.5274
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

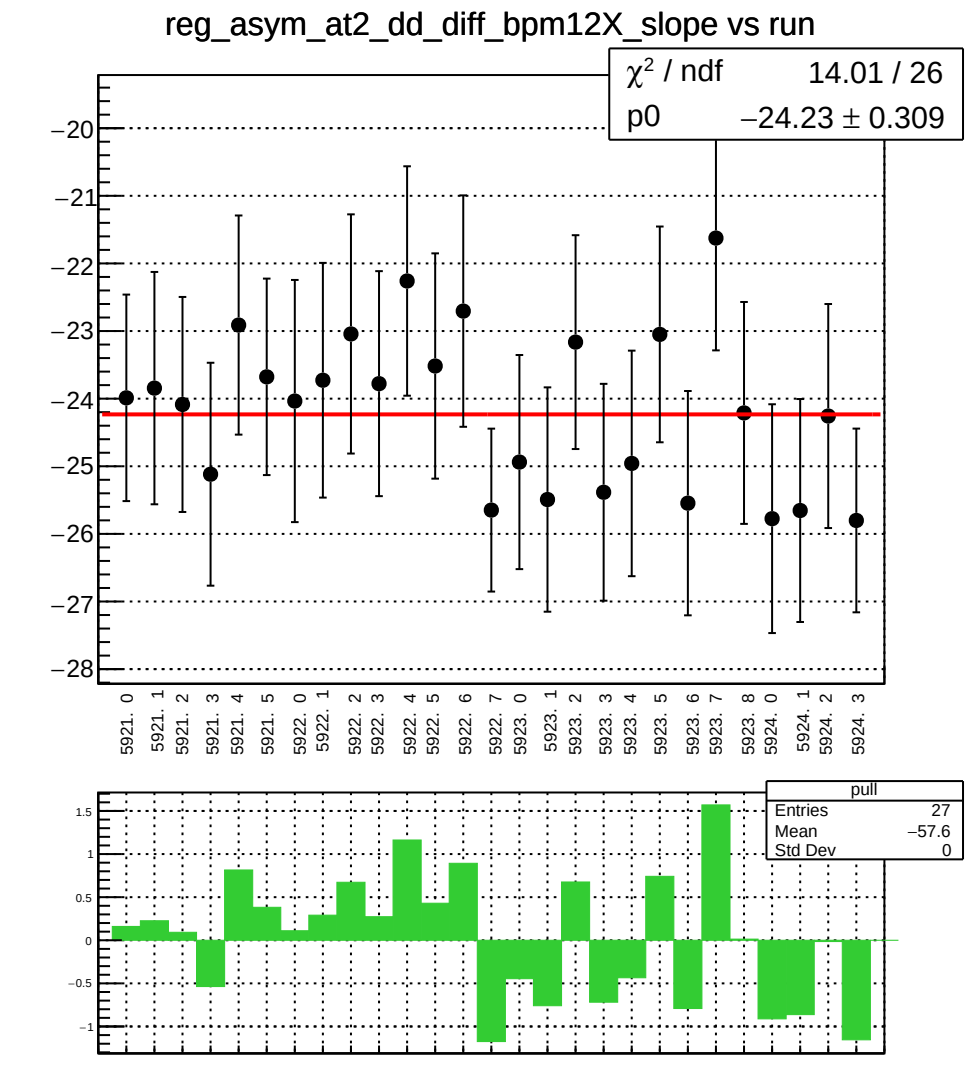

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 21.95 / 26
p0 −43.63 ± 2.801
pull
Entries 27
Mean −6.934
Std Dev 0
pull1D
Entries 27
Mean 0.03009
Std Dev 0.9012

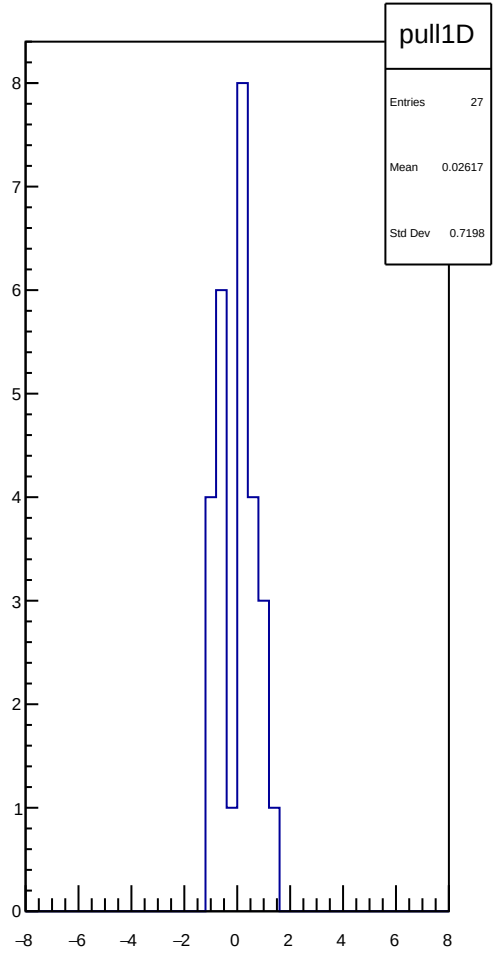

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 18.57 / 26
p0 −5.232 ± 4.106
40
20
0
−20
−40
−60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 278.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1

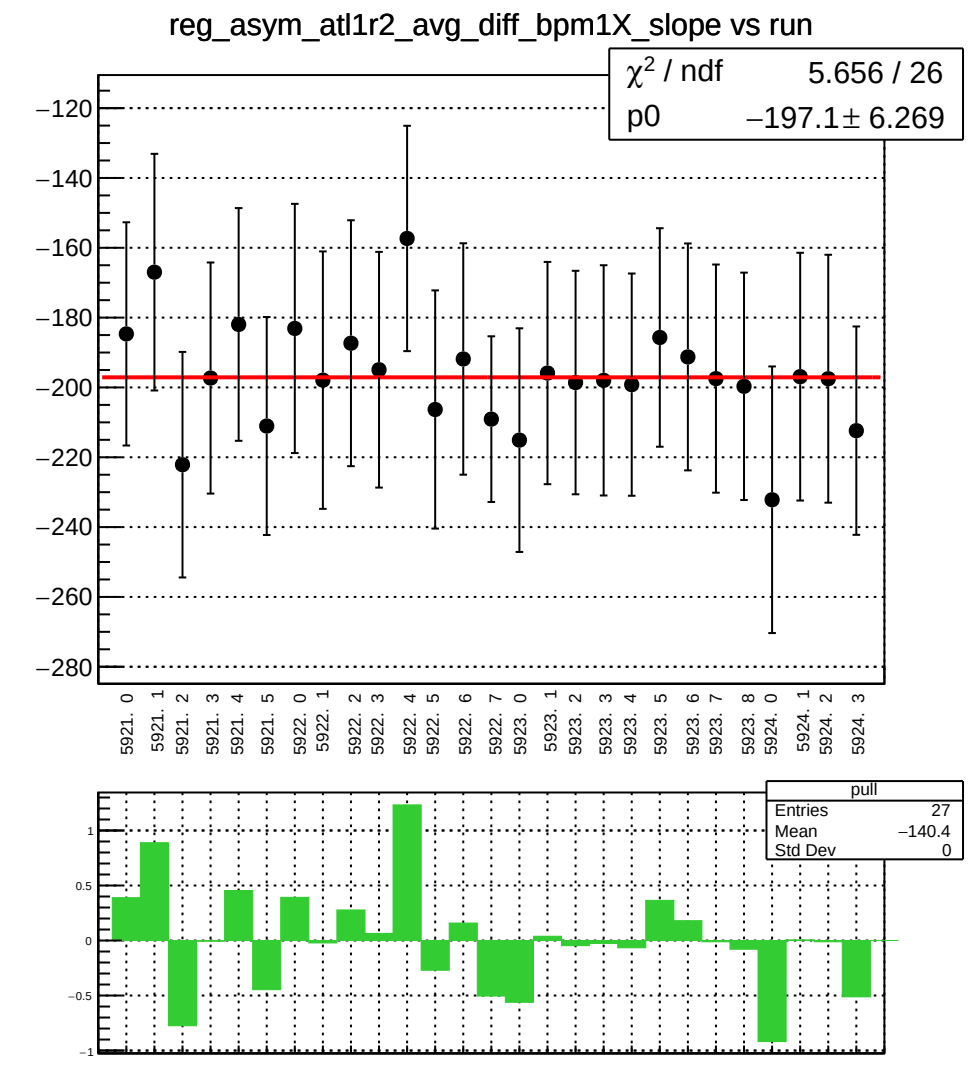

pull1D
Entries 27
Mean 0.00917
Std Dev 0.8293
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

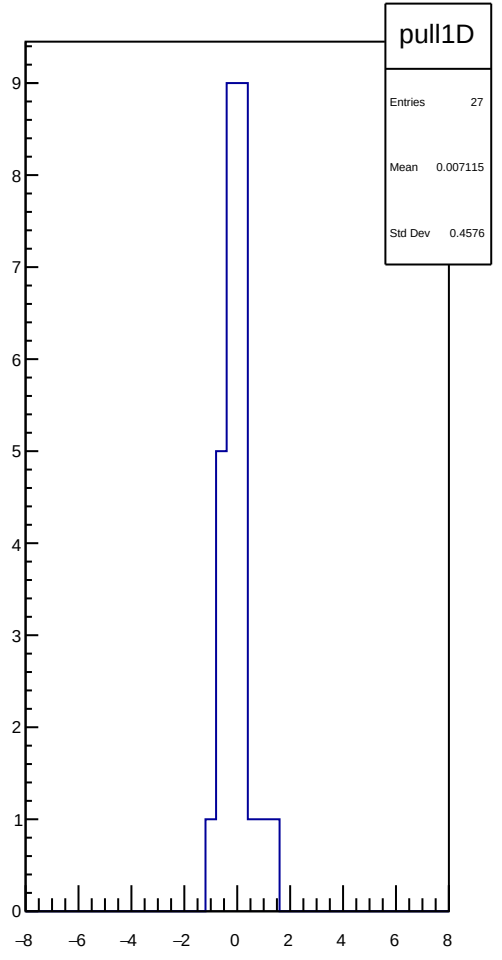

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 22.39 / 26
p0 143.8 ± 3.993
200
180
160
140
120
100
80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −4.785
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.03005
Std Dev 0.9101
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

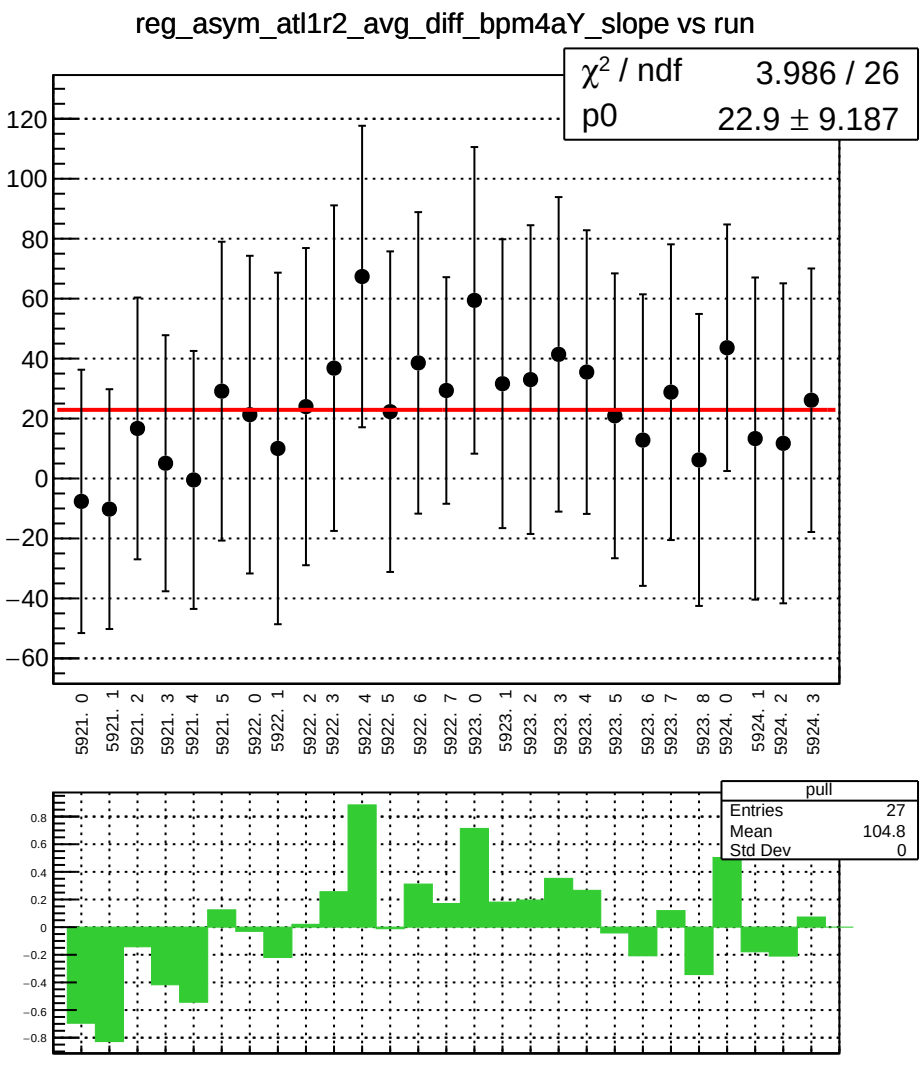

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 18.84 / 26
p0 18.84 ± 4.524
80
60
40
20
0
−20
−40
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 205.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.01354
Std Dev 0.8353
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

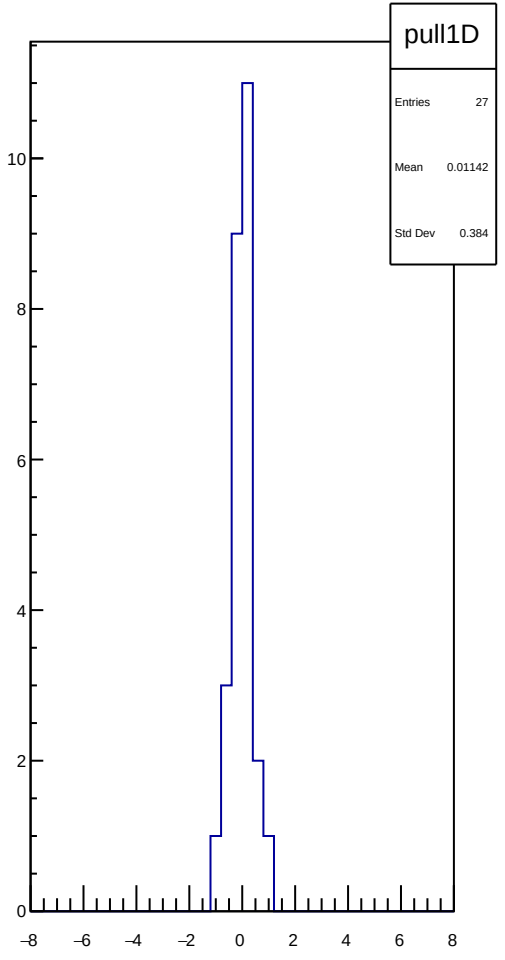

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 14.01 / 26
p0 −24.23 ± 0.309
pull
Entries 27
Mean −57.6
Std Dev 0

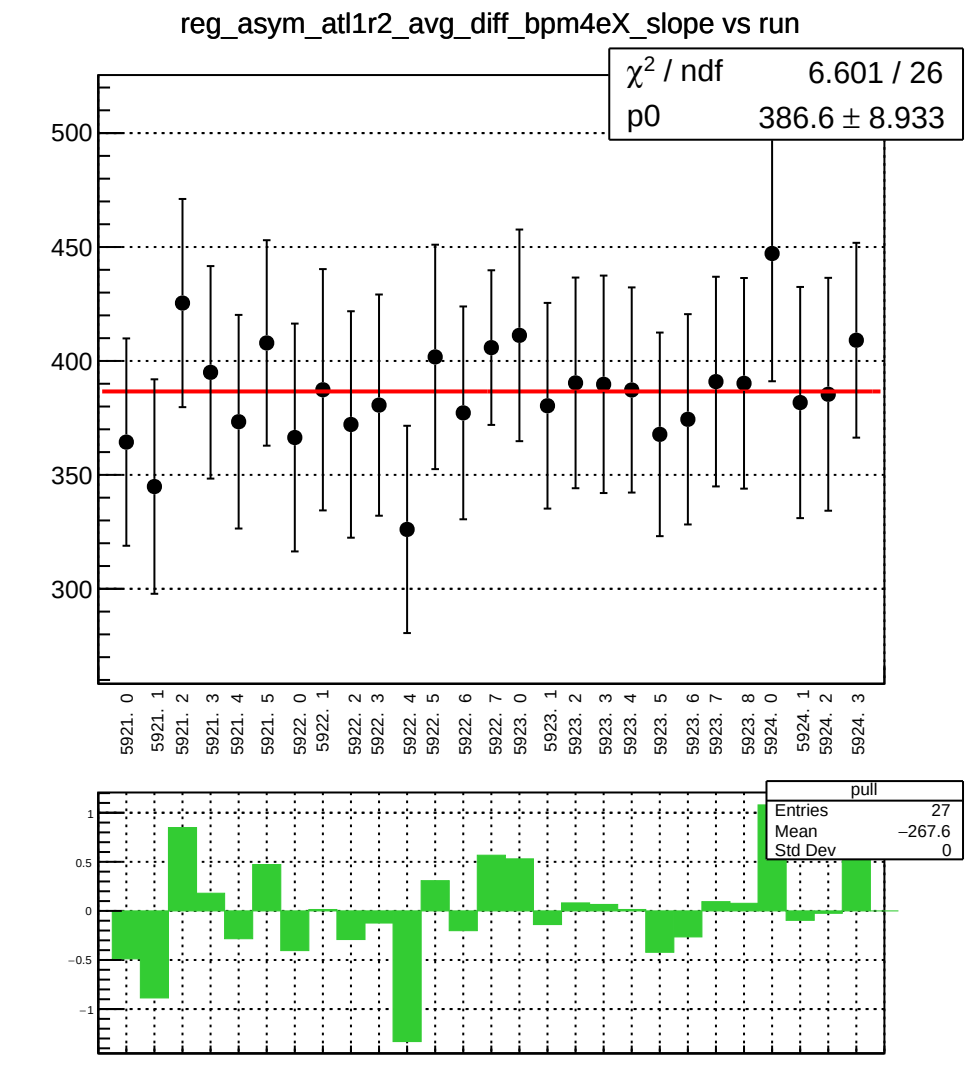

pull1D
Entries 27
Mean 0.02617
Std Dev 0.7198

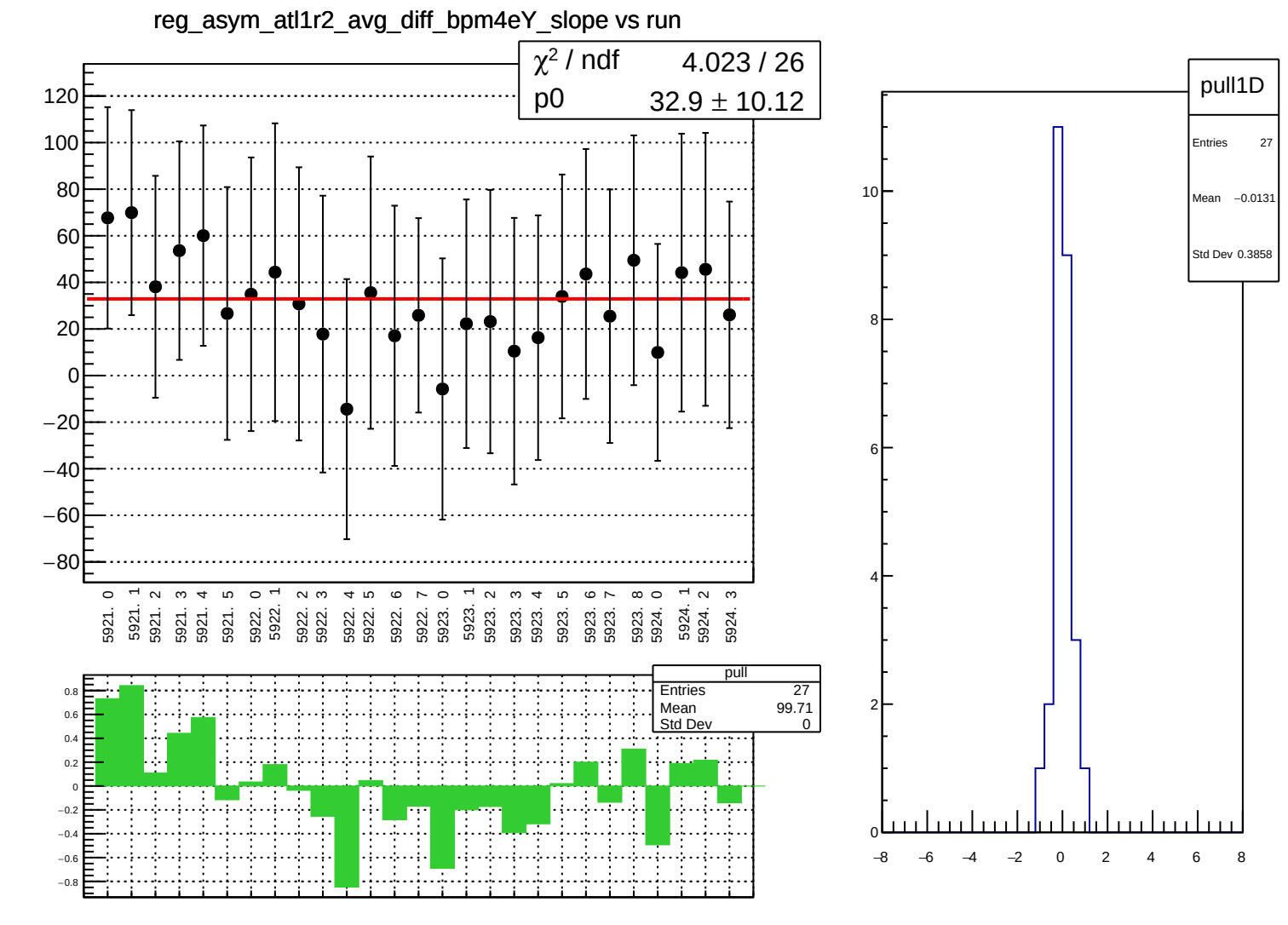

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 5.656 / 26
p0 −197.1± 6.269
−120
−140
−160
−180
−200
−220
−240
−260
−280
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −140.4
Std Dev 0
1
0.5
0
−0.5
−1

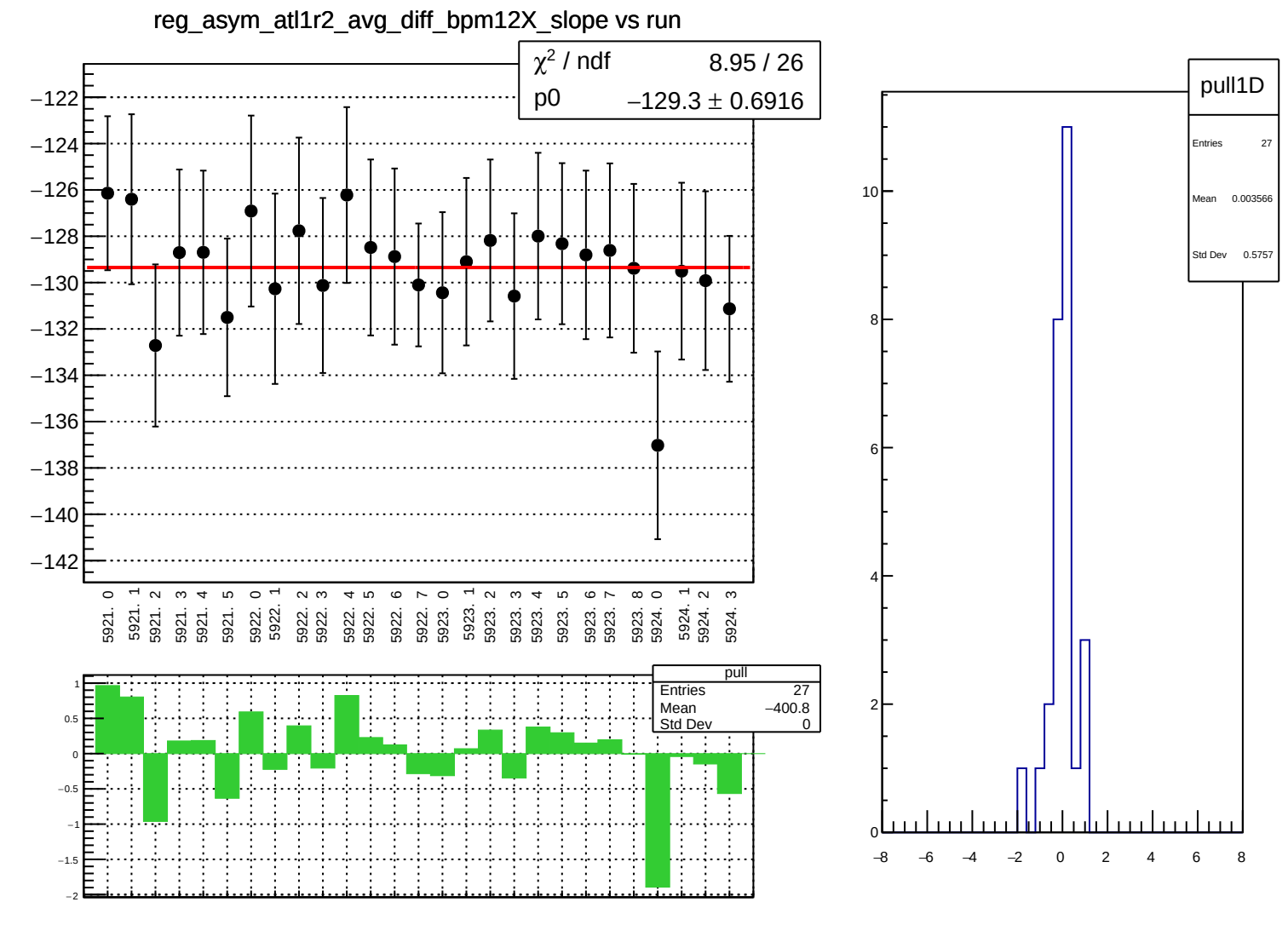

pull1D
Entries 27
Mean 0.007115
Std Dev 0.4576
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

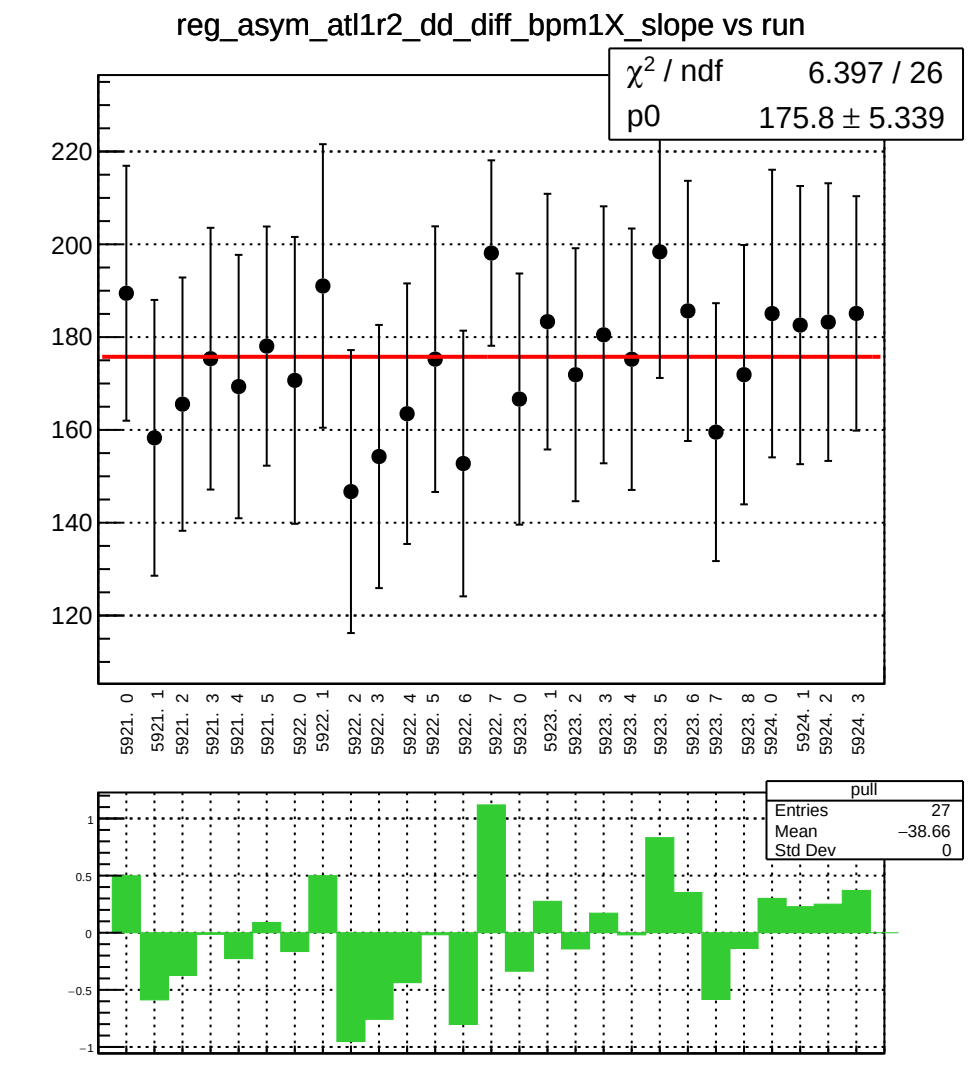

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.986 / 26
p0 22.9 ± 9.187
120
100
80
60
40
20
0
−20
−40
−60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 104.8
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

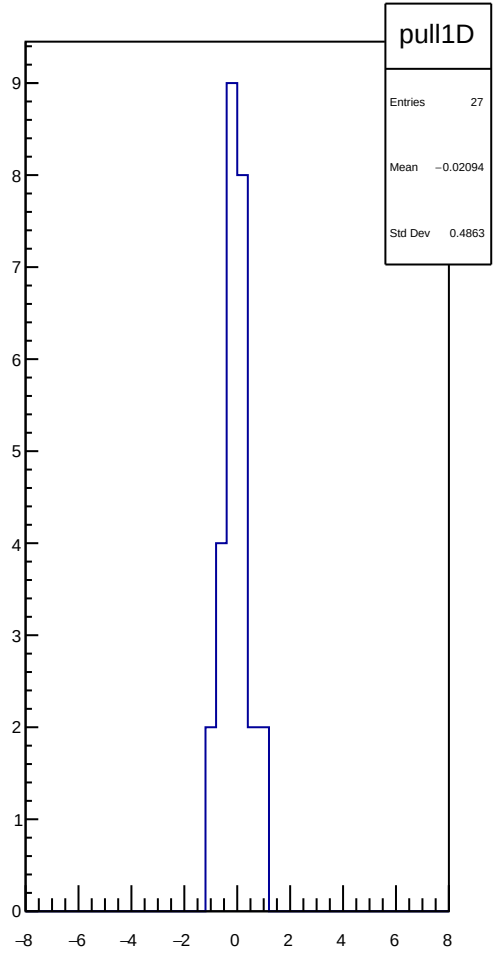

pull1D
Entries 27
Mean 0.01142
Std Dev 0.384
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

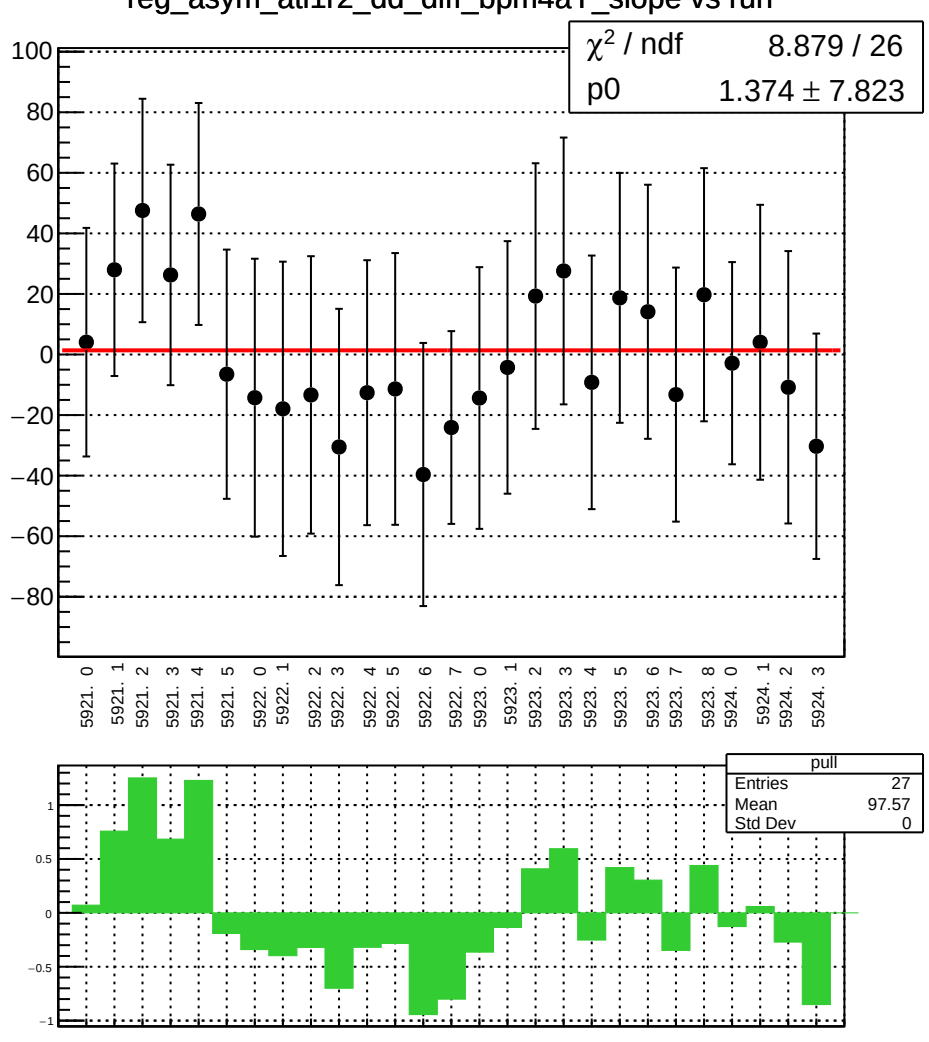

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.601 / 26
p0 386.6 ± 8.933
500
450
400
350
300
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −267.6
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 27
Mean −0.003568
Std Dev 0.4945
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

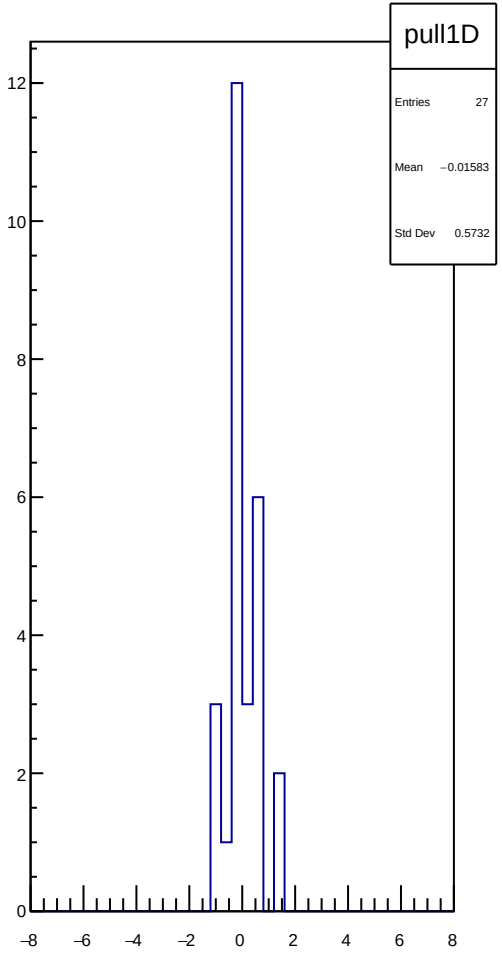

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.023 / 26
p0 32.9 ± 10.12
120
100
80
60
40
20
0
−20
−40
−60
−80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 99.71
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 27
Mean −0.0131
Std Dev 0.3858
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

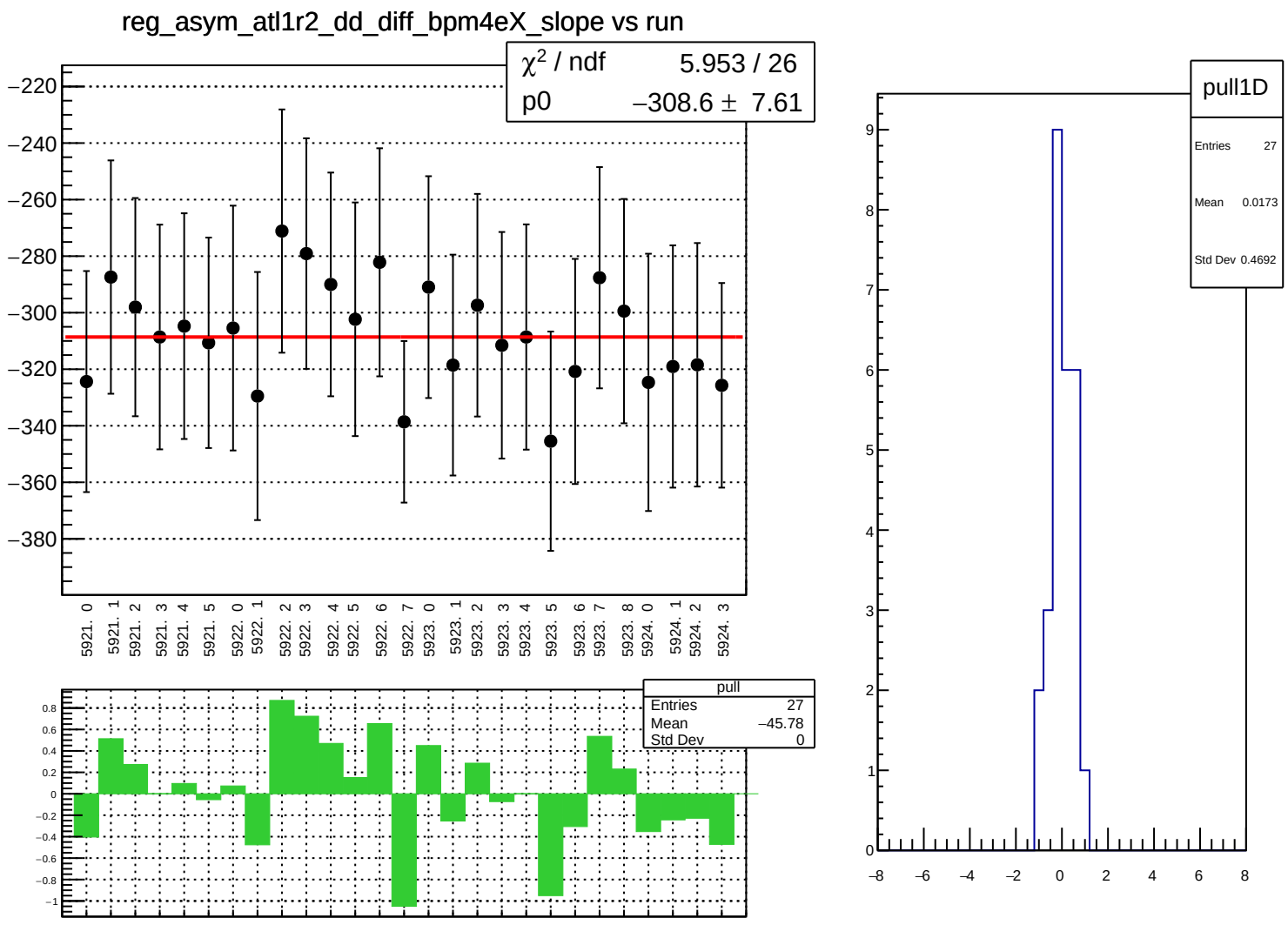

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 8.95 / 26
p0 −129.3 ± 0.6916
pull
Entries 27
Mean −400.8
Std Dev 0
pull1D
Entries 27
Mean 0.003566
Std Dev 0.5757

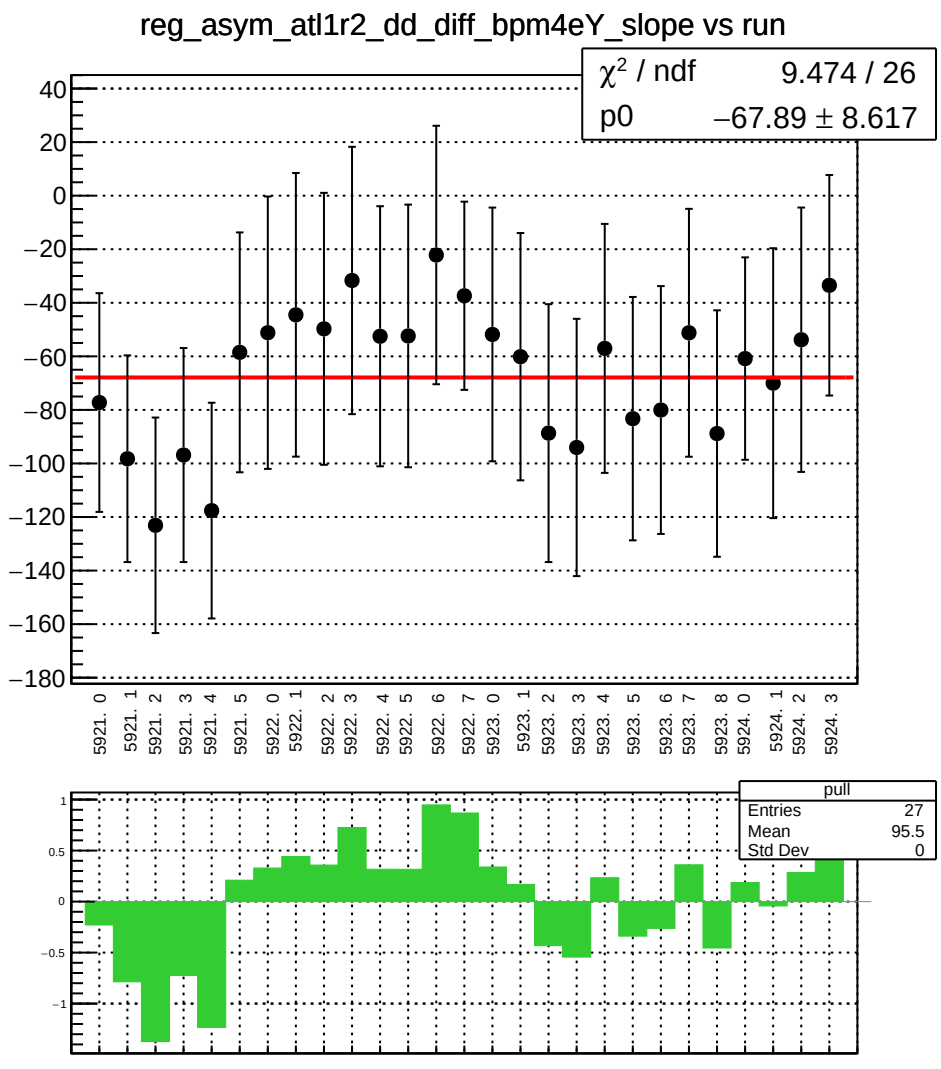

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 6.397 / 26
p0 175.8 ± 5.339
220
200
180
160
140
120
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −38.66
Std Dev 0
1
0.5
0
−0.5
−1

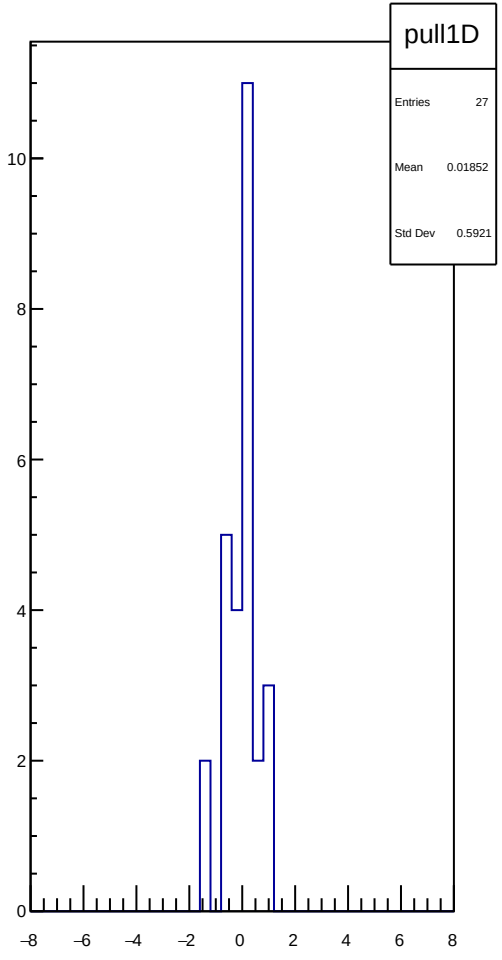

pull1D
Entries 27
Mean −0.02094
Std Dev 0.4863
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

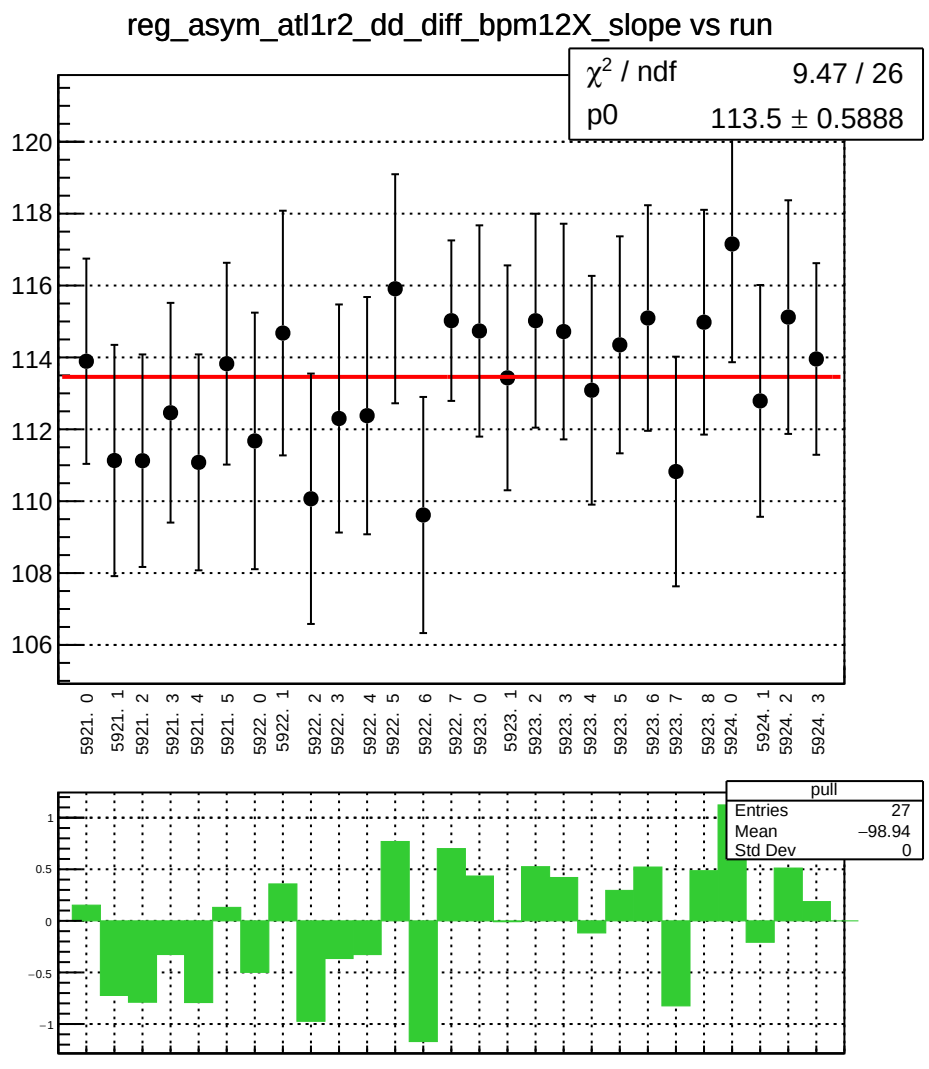

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.879 / 26
p0 1.374 ± 7.823
pull
Entries 27
Mean 97.57
Std Dev 0

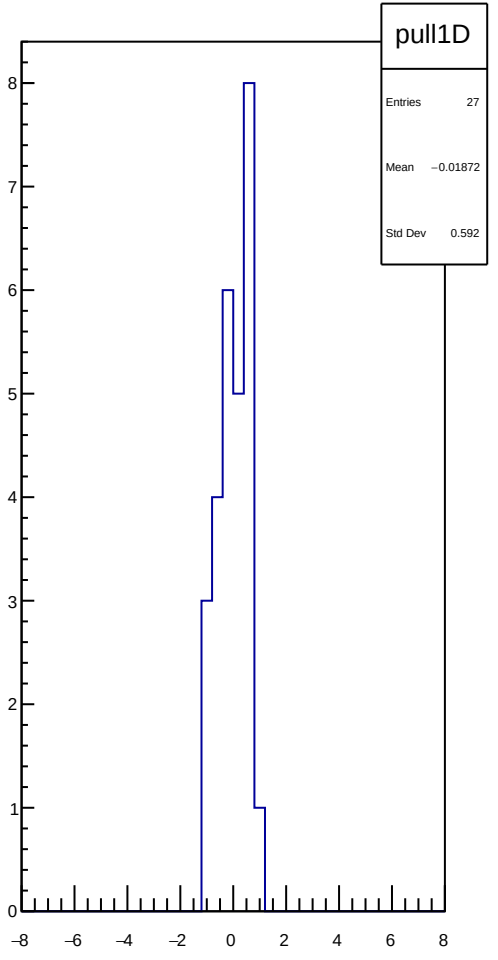

pull1D
Entries 27
Mean −0.01583
Std Dev 0.5732

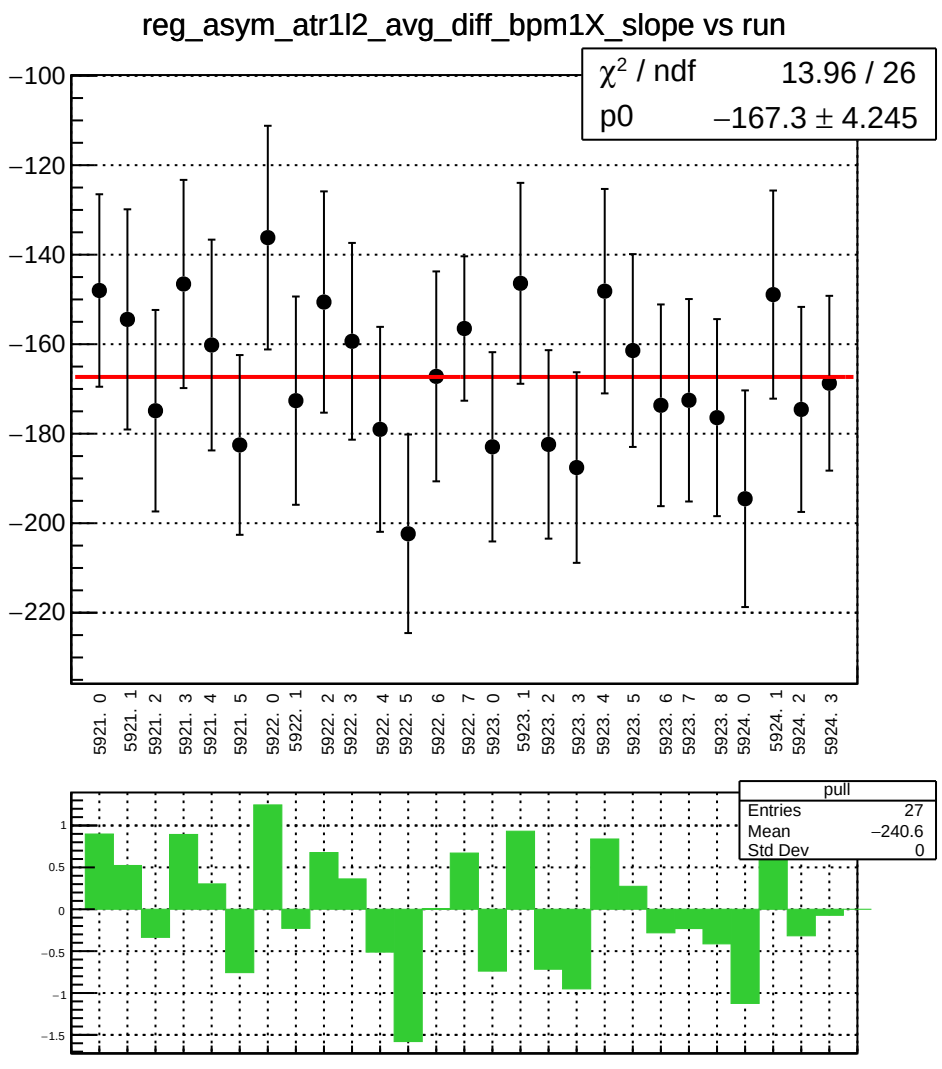

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.953 / 26
p0 −308.6 ± 7.61
−220
−240
−260
−280
−300
−320
−340
−360
−380
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −45.78
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 27
Mean 0.0173
Std Dev 0.4692
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

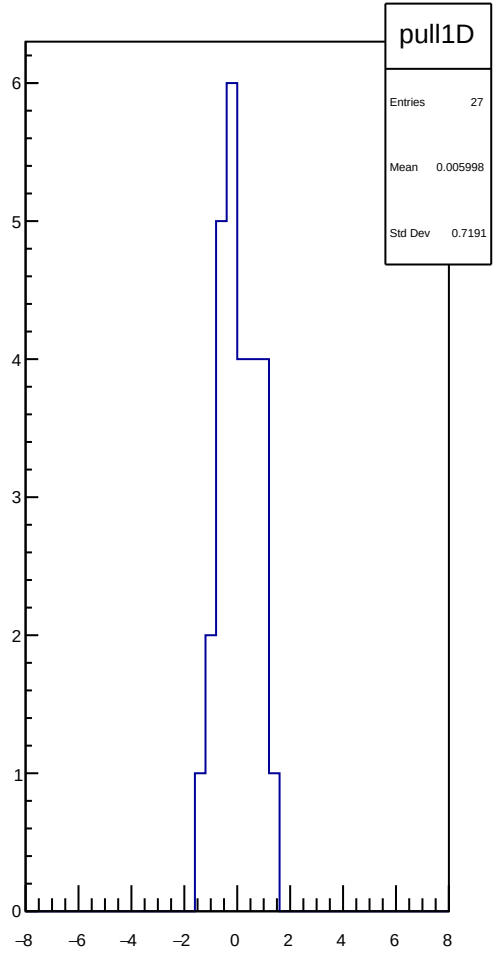

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.474 / 26
p0 −67.89 ± 8.617
pull
Entries 27
Mean 95.5
Std Dev 0

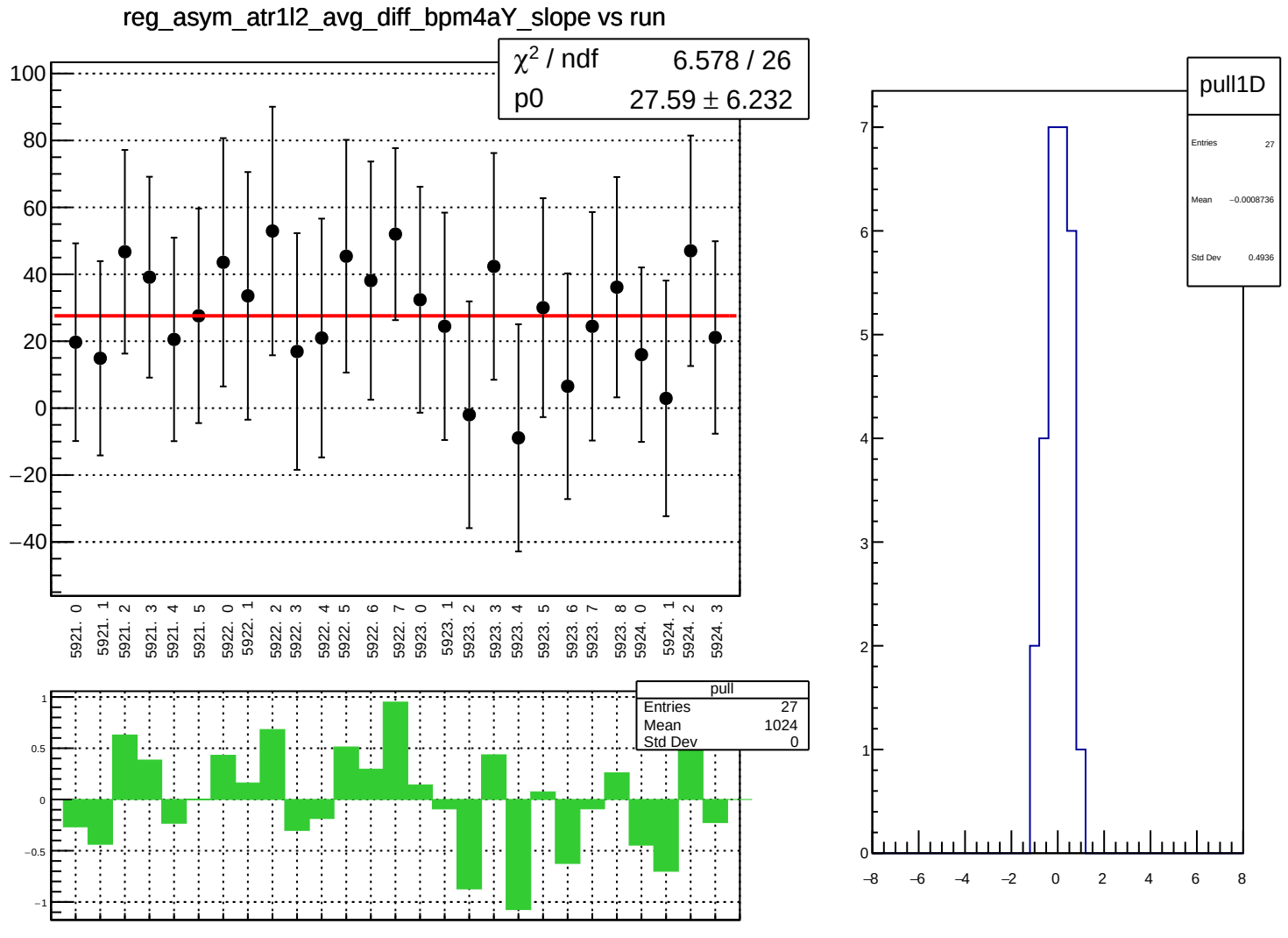

pull1D
Entries 27
Mean 0.01852
Std Dev 0.5921

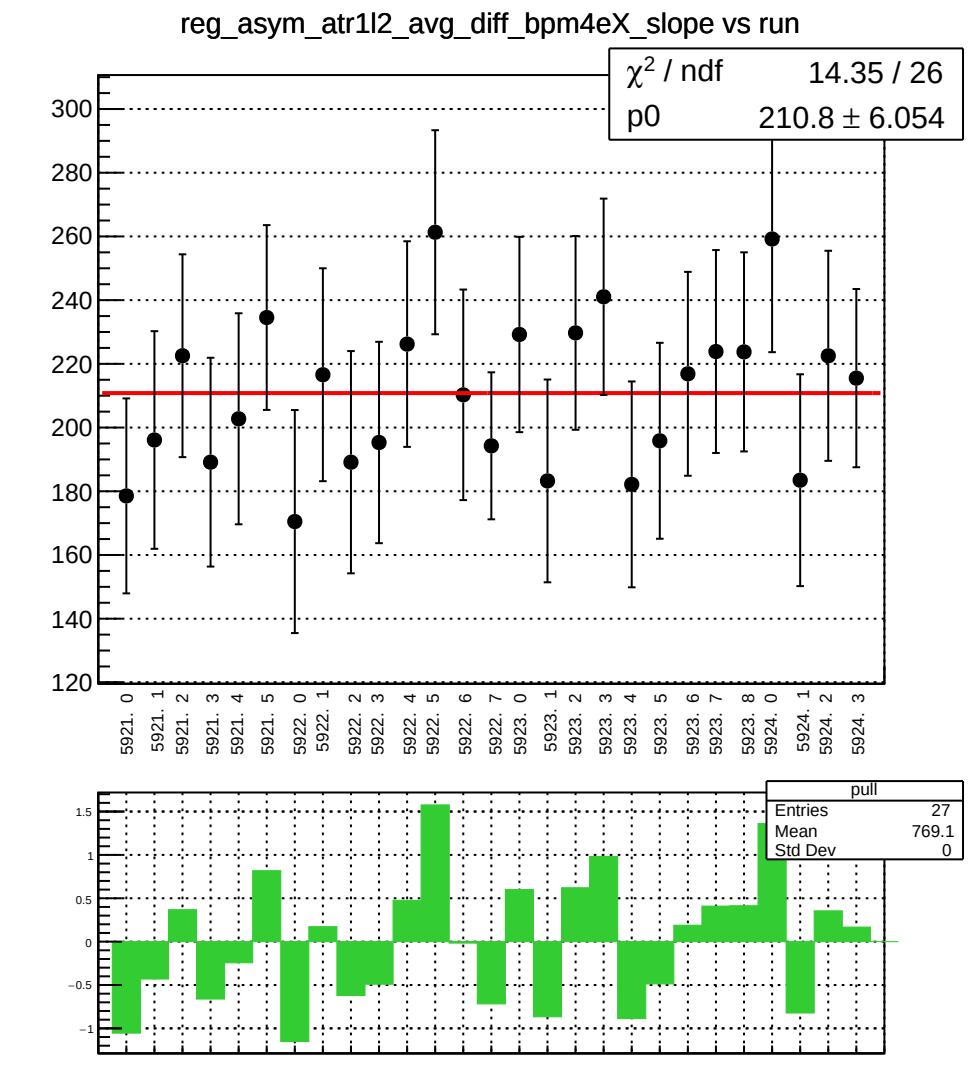

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 9.47 / 26
p0 113.5 ± 0.5888
120
118
116
114
112
110
108
106
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −98.94
Std Dev 0
1
0.5
0
−0.5
−1

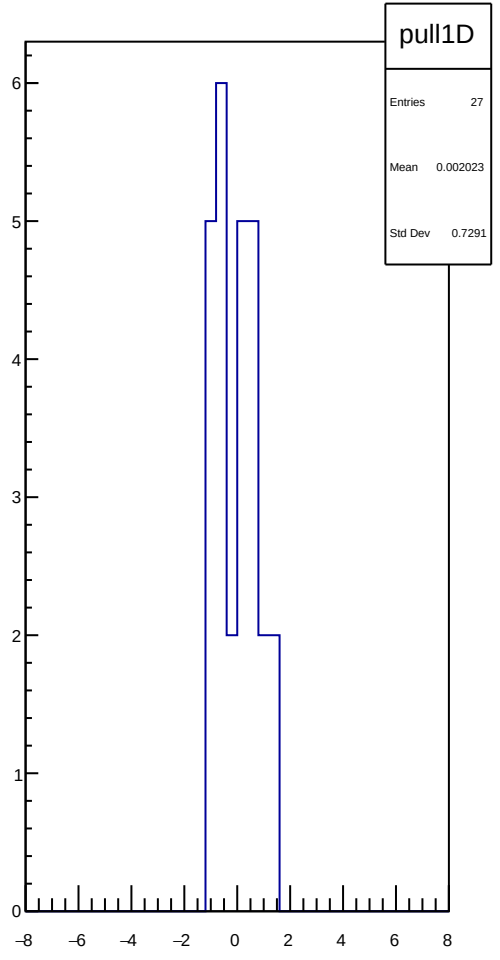

pull1D
Entries 27
Mean −0.01872
Std Dev 0.592
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

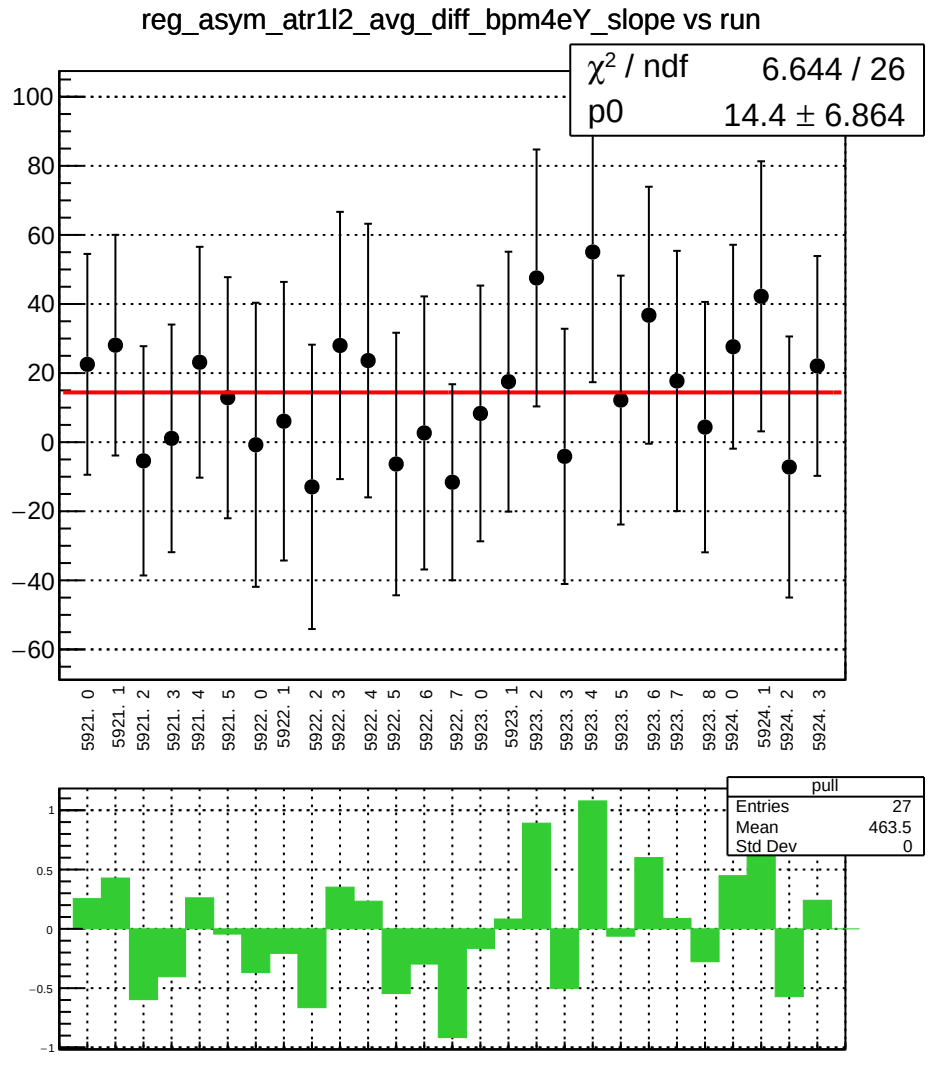

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 13.96 / 26
p0 −167.3 ± 4.245
−100
−120
−140
−160
−180
−200
−220
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −240.6
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

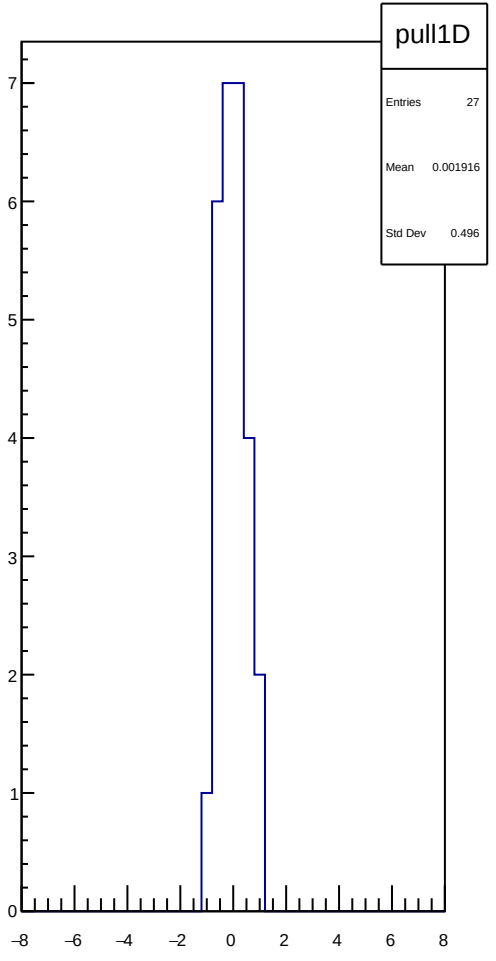

pull1D
Entries 27
Mean 0.005998
Std Dev 0.7191
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

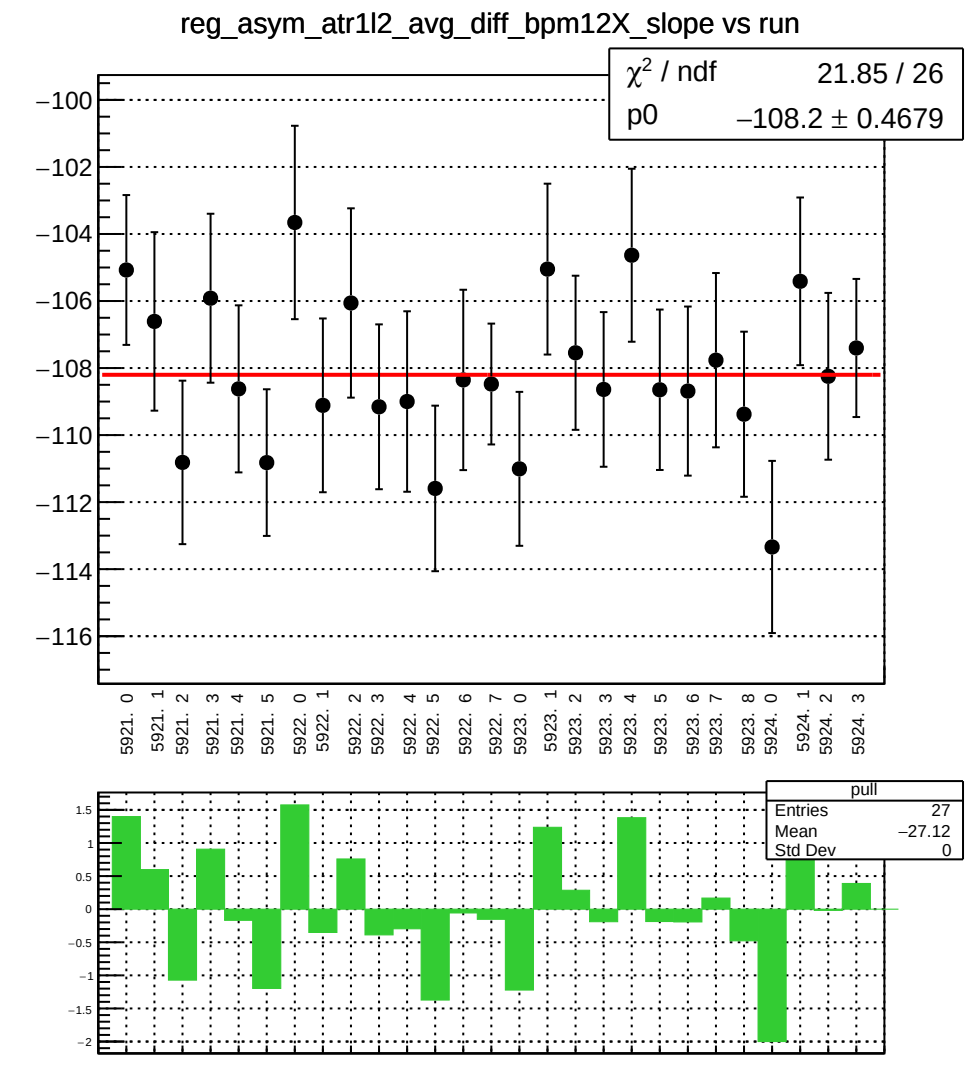

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.578 / 26
p0 27.59 ± 6.232
100
80
60
40
20
0
−20
−40
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 1024
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 27
Mean −0.0008736
Std Dev 0.4936
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

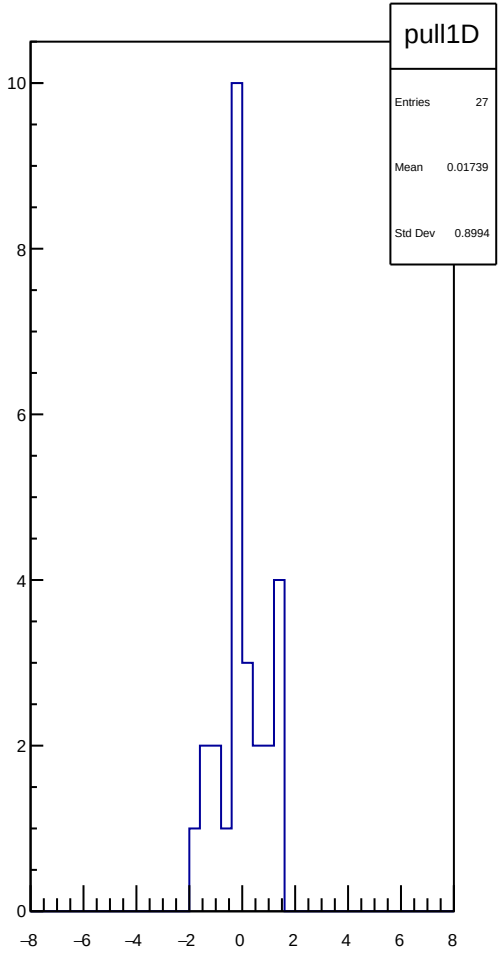

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 14.35 / 26
p0 210.8 ± 6.054
pull
Entries 27
Mean 769.1
Std Dev 0

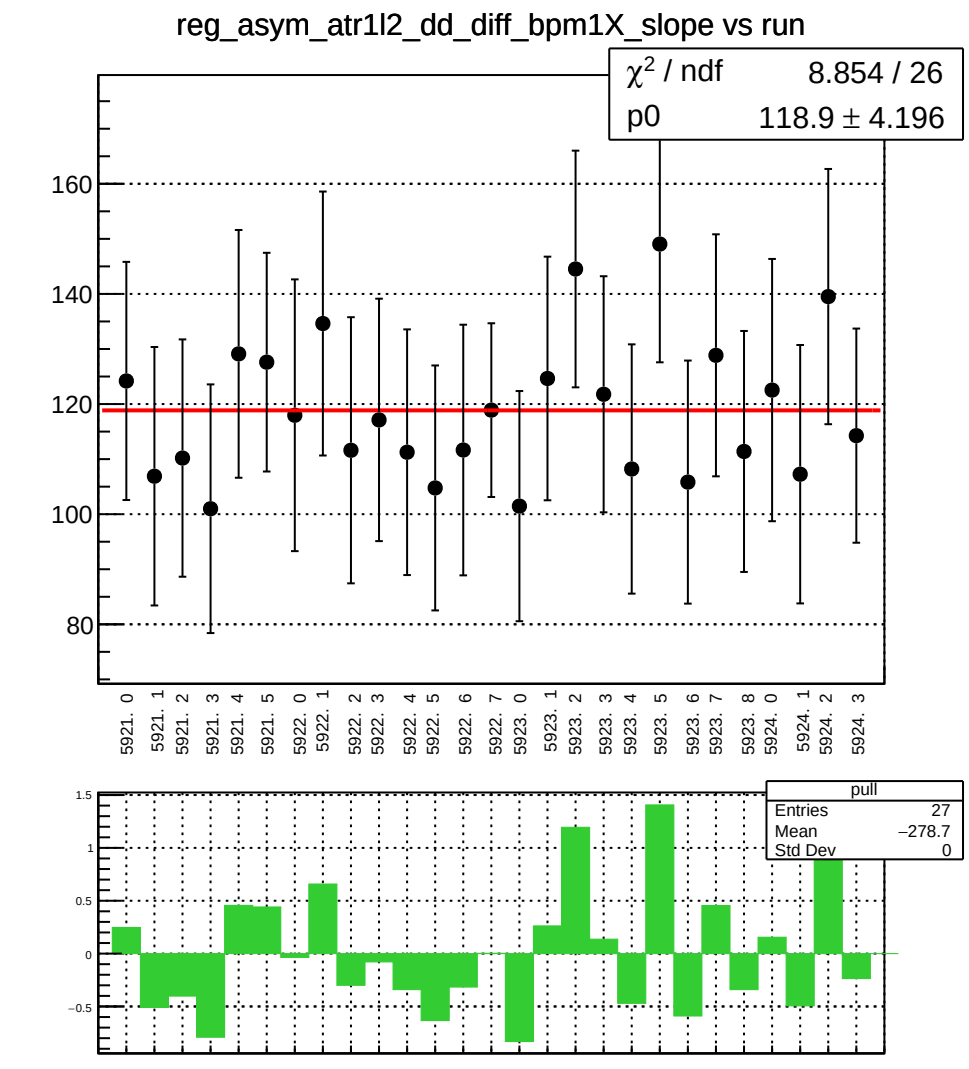

pull1D
Entries 27
Mean 0.002023
Std Dev 0.7291

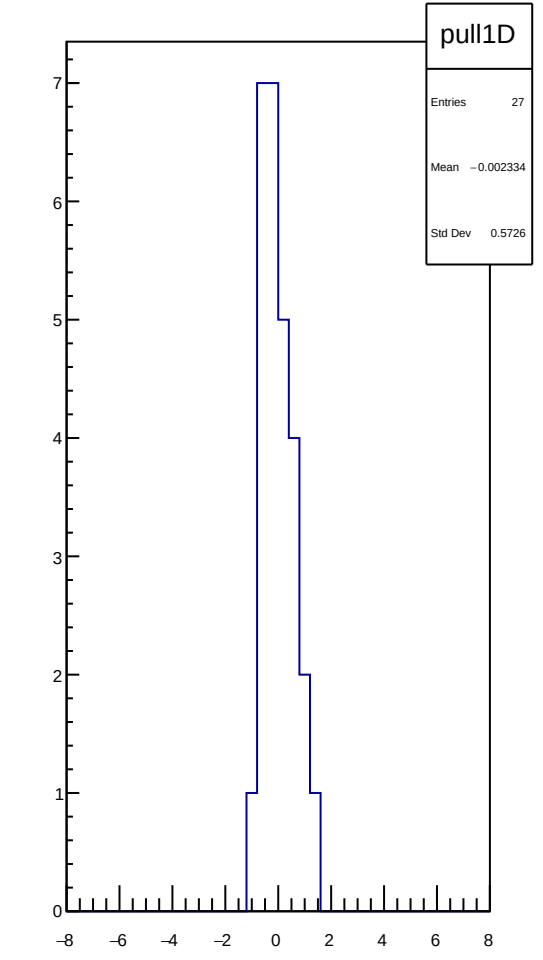

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.644 / 26
p0 14.4 ± 6.864
pull
Entries 27
Mean 463.5
Std Dev 0

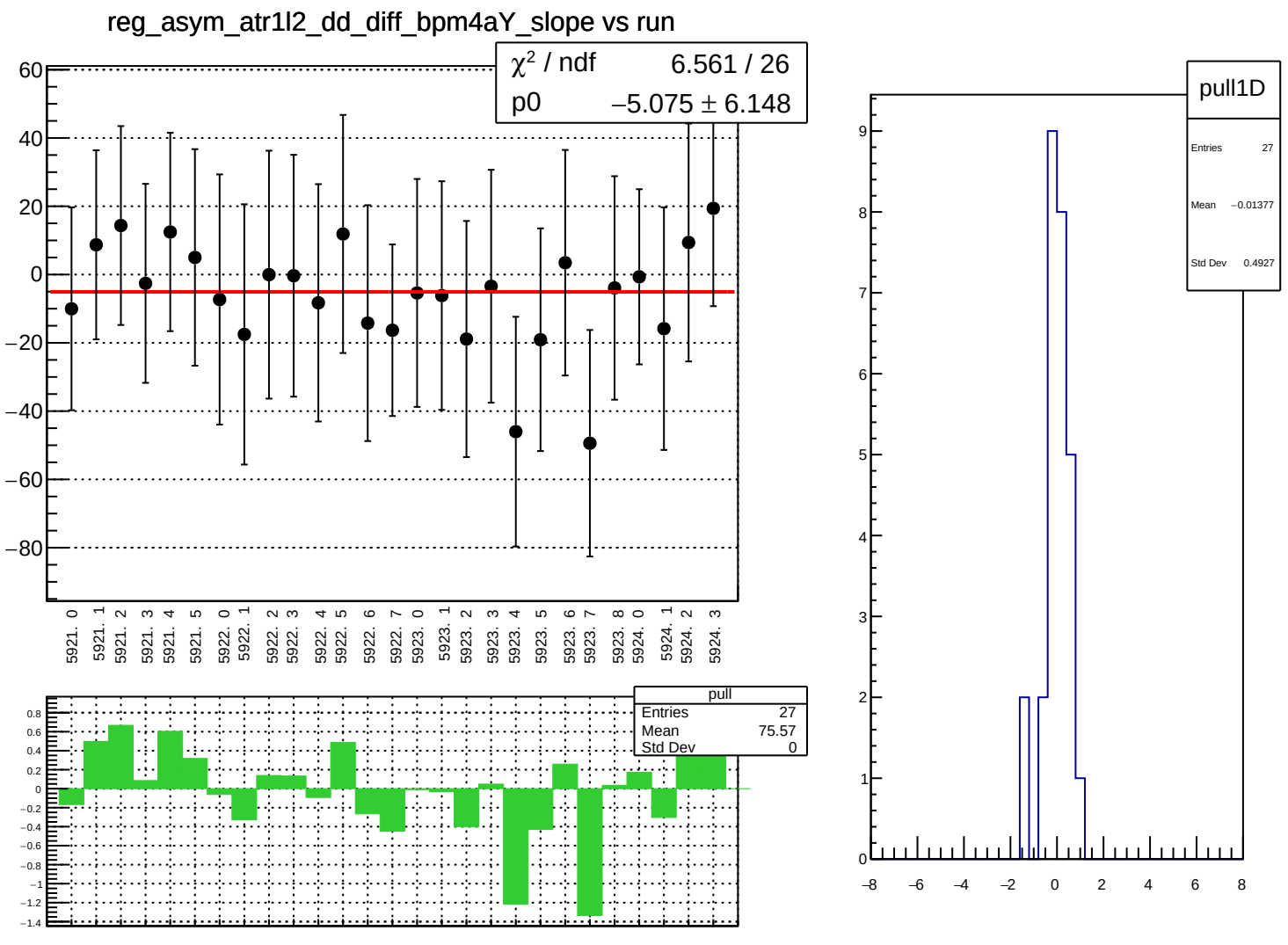

pull1D
Entries 27
Mean 0.001916
Std Dev 0.496

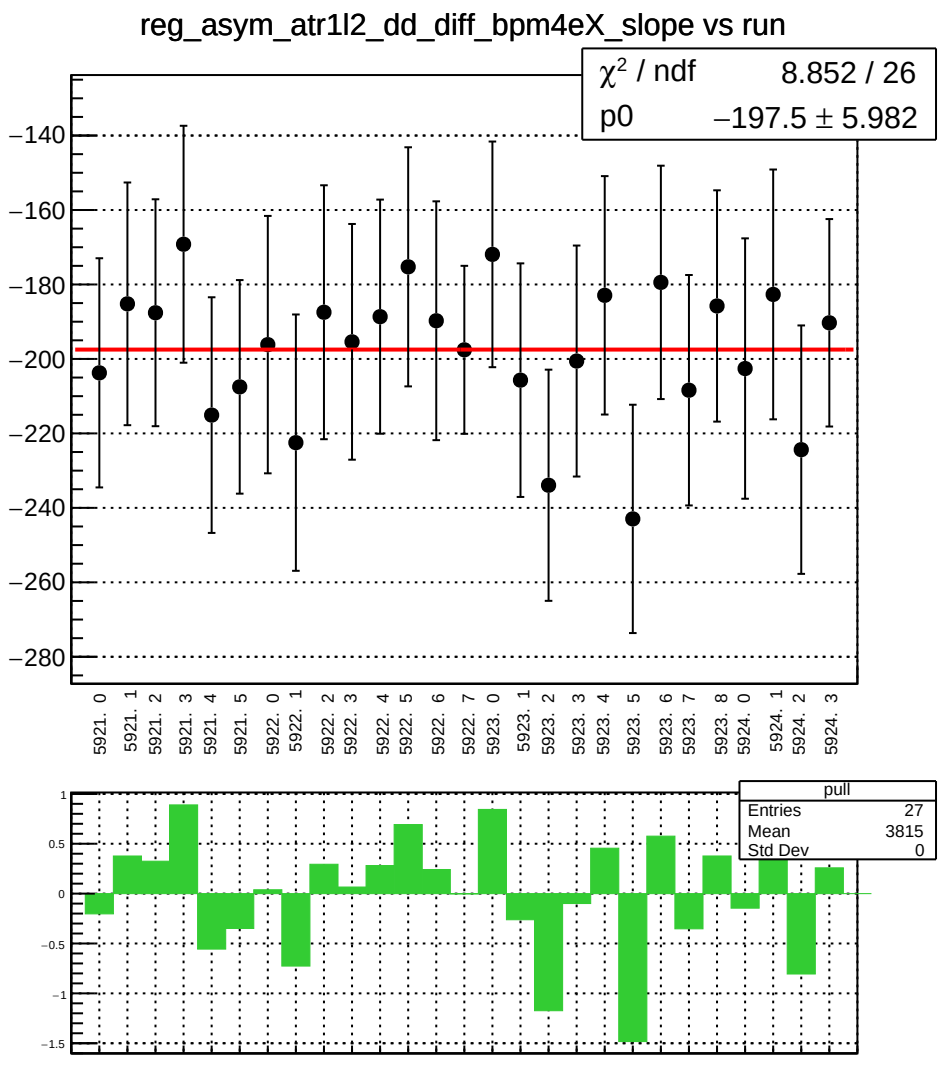

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 21.85 / 26
p0 −108.2 ± 0.4679
pull
Entries 27
Mean −27.12
Std Dev 0

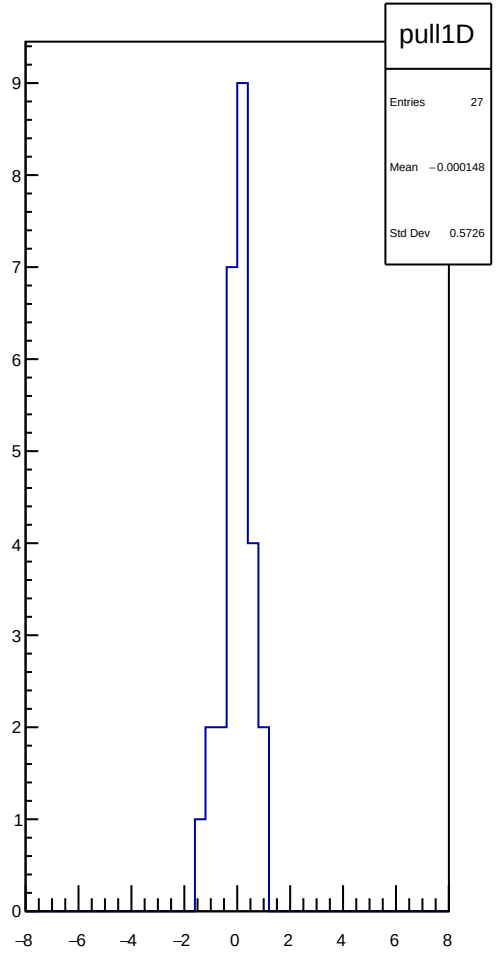

pull1D
Entries 27
Mean 0.01739
Std Dev 0.8994

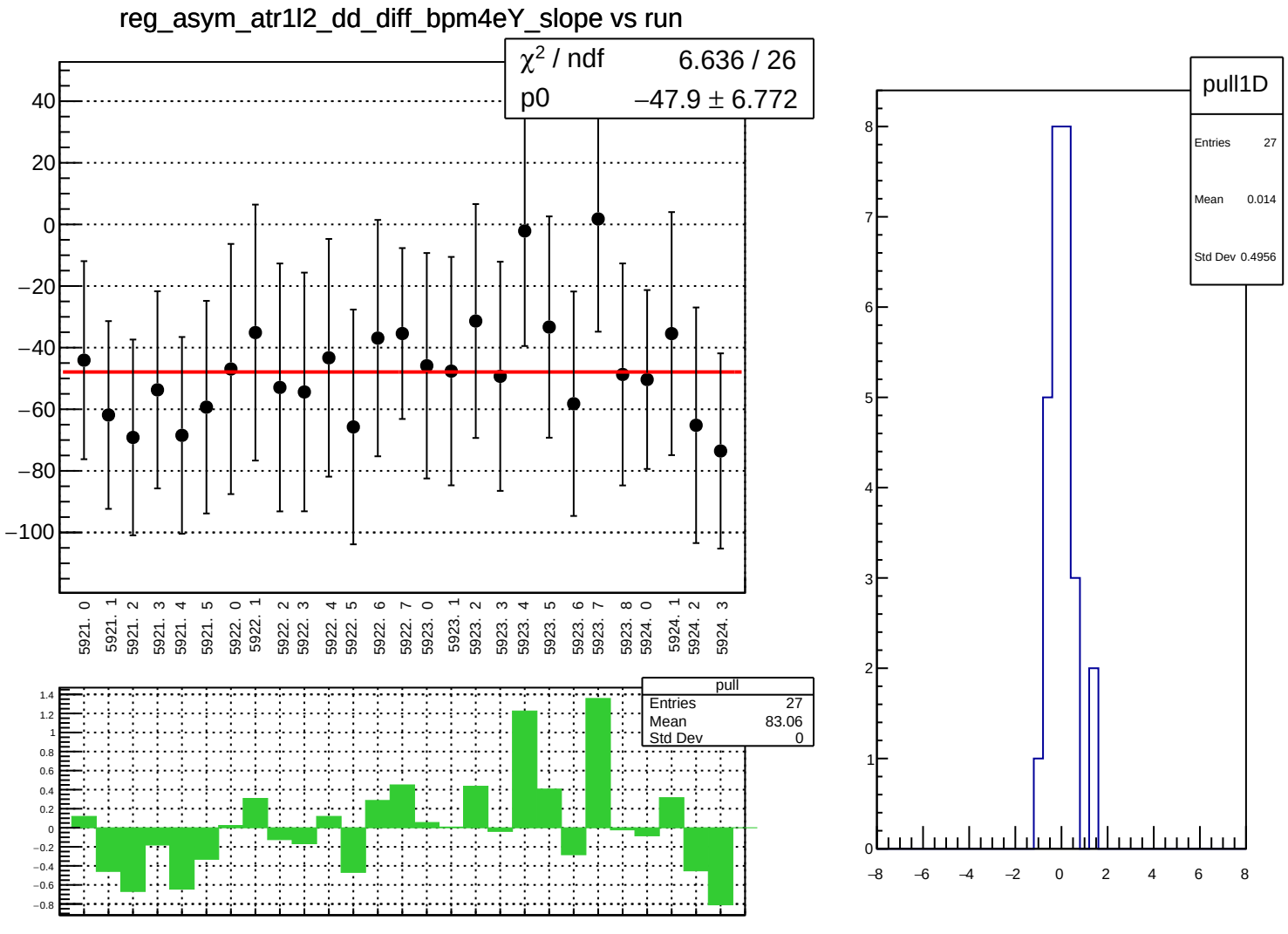

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 8.854 / 26
p0 118.9 ± 4.196
160
140
120
100
80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −278.7
Std Dev 0
1.5
1
0.5
0
−0.5

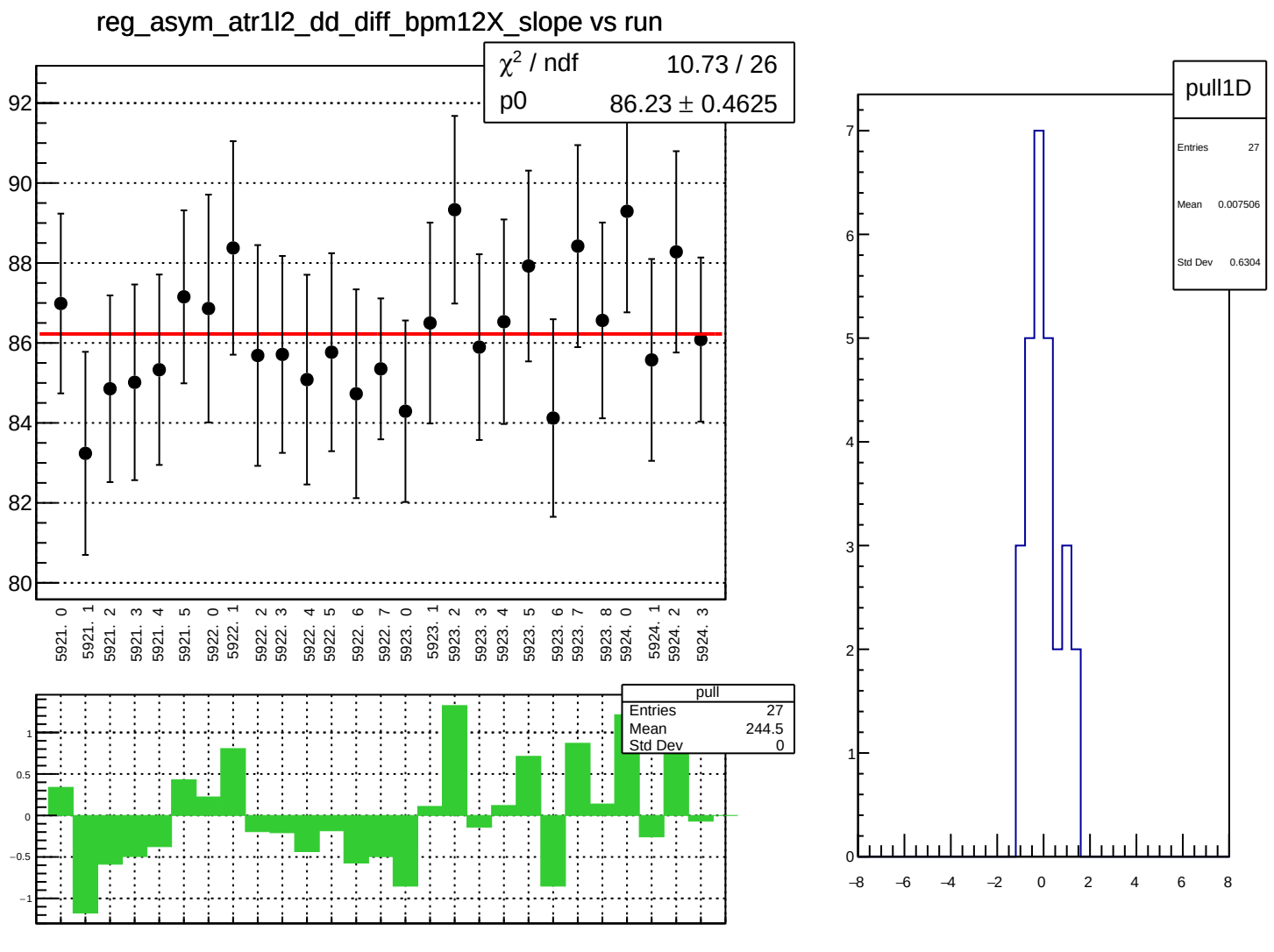

pull1D
Entries 27
Mean −0.002334
Std Dev 0.5726
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

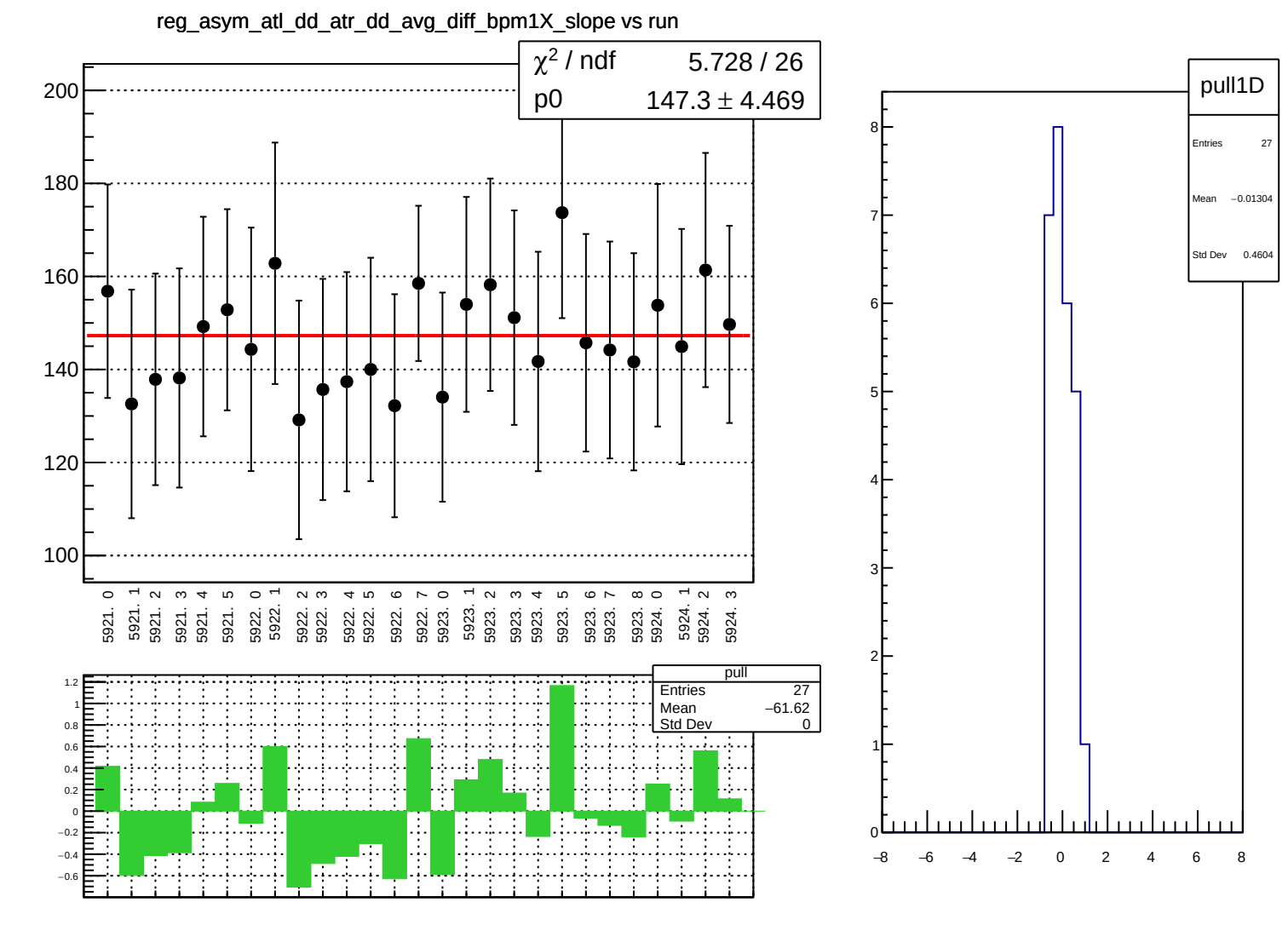

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.561 / 26
p0 −5.075 ± 6.148
pull
Entries 27
Mean 75.57
Std Dev 0
pull1D
Entries 27
Mean −0.01377
Std Dev 0.4927

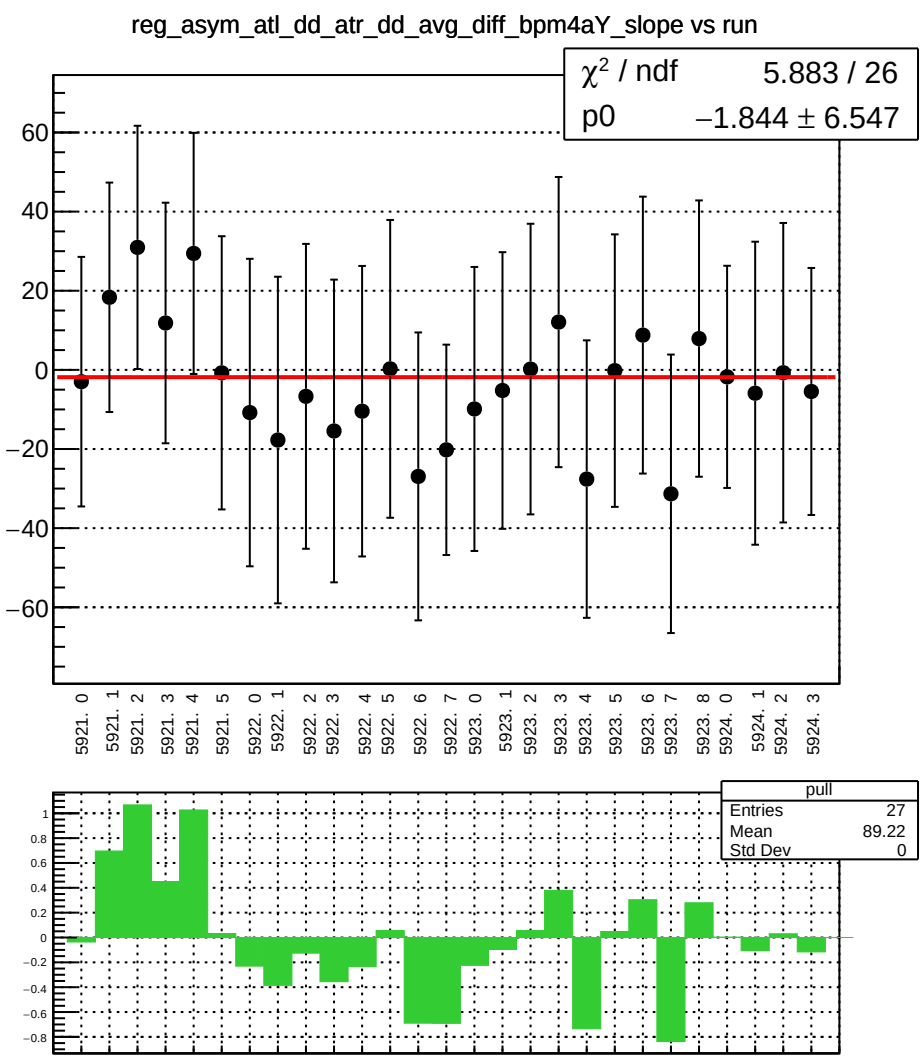

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 8.852 / 26
p0 −197.5 ± 5.982
−140
−160
−180
−200
−220
−240
−260
−280
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 3815
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

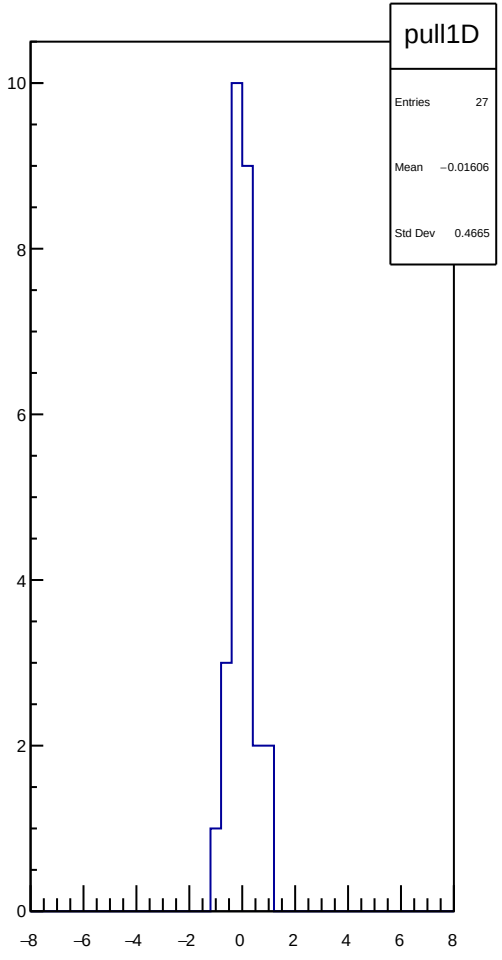

pull1D
Entries 27
Mean −0.000148
Std Dev 0.5726
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

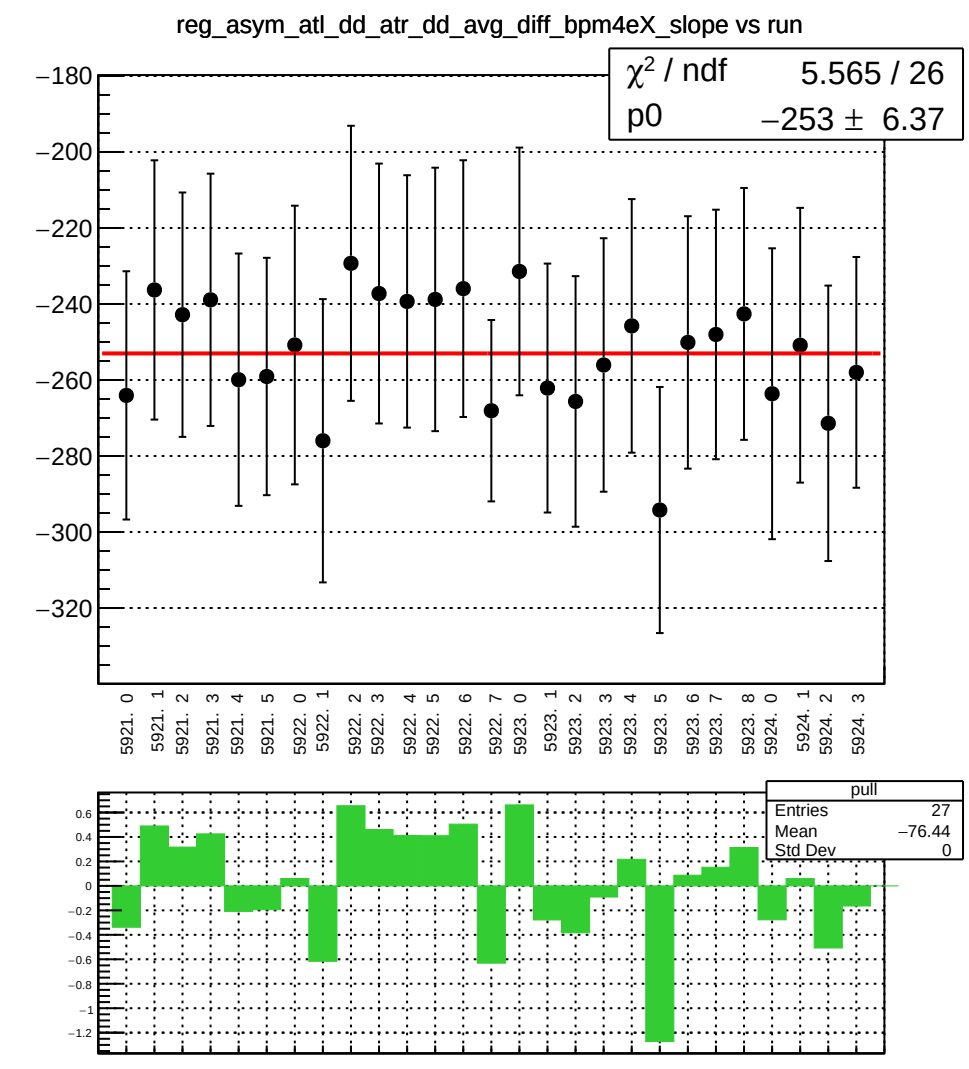

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.636 / 26
p0 −47.9 ± 6.772
40
20
0
−20
−40
−60
−80
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 83.06
Std Dev 0
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 27
Mean 0.014
Std Dev 0.4956
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

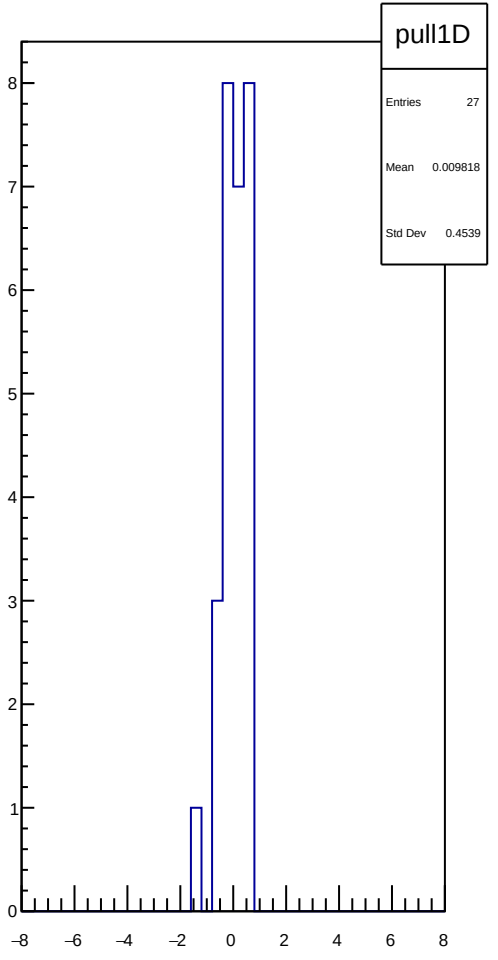

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 10.73 / 26
p0 86.23 ± 0.4625
92
90
88
86
84
82
80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 244.5
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 27
Mean 0.007506
Std Dev 0.6304
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

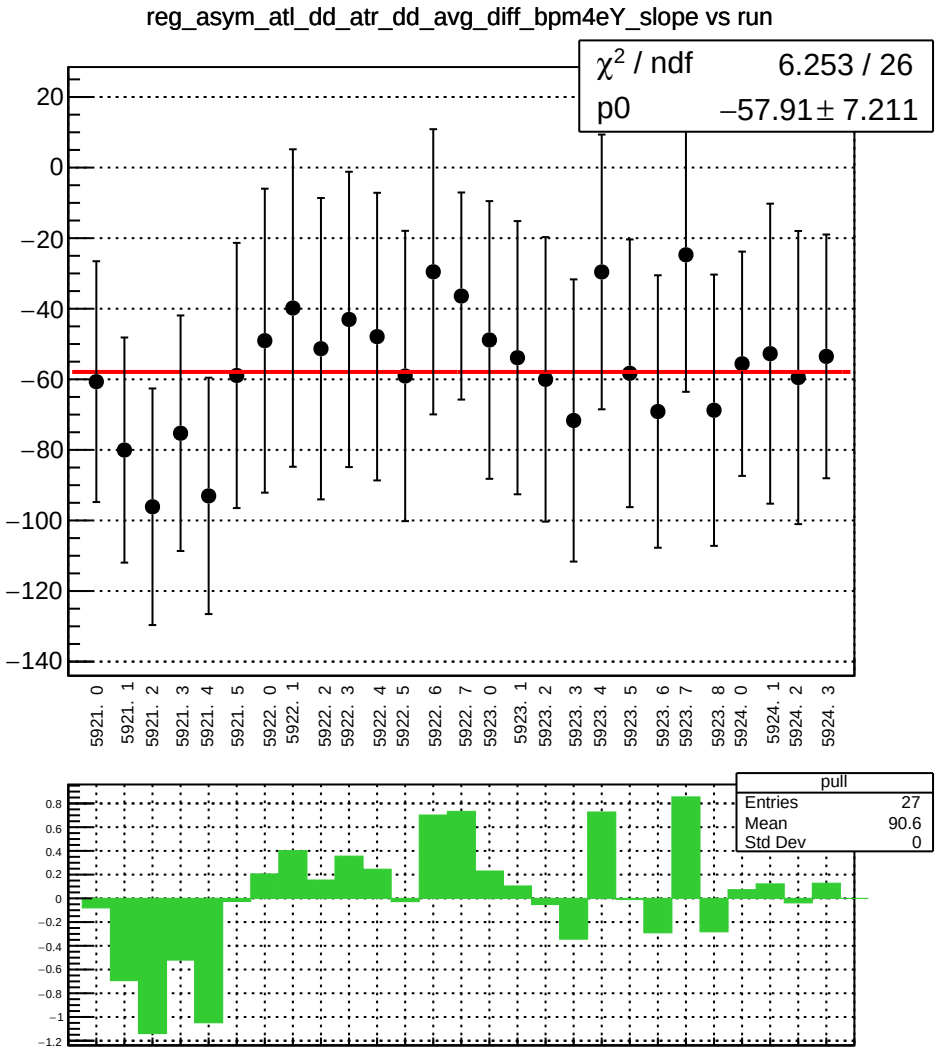

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 5.728 / 26
p0 147.3 ± 4.469
200
180
160
140
120
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −61.62
Std Dev 0
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 27
Mean −0.01304
Std Dev 0.4604
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

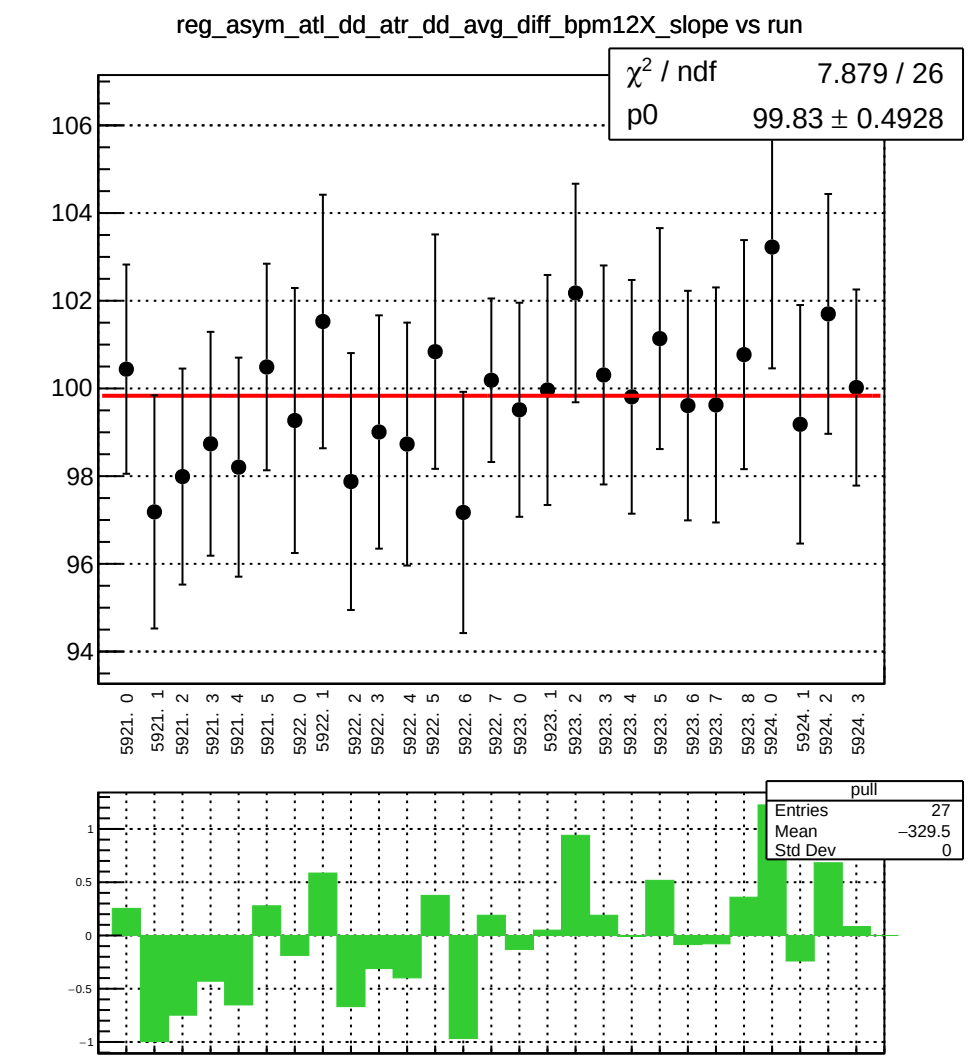

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.883 / 26
p0 −1.844 ± 6.547
60
40
20
0
−20
−40
−60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 89.22
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

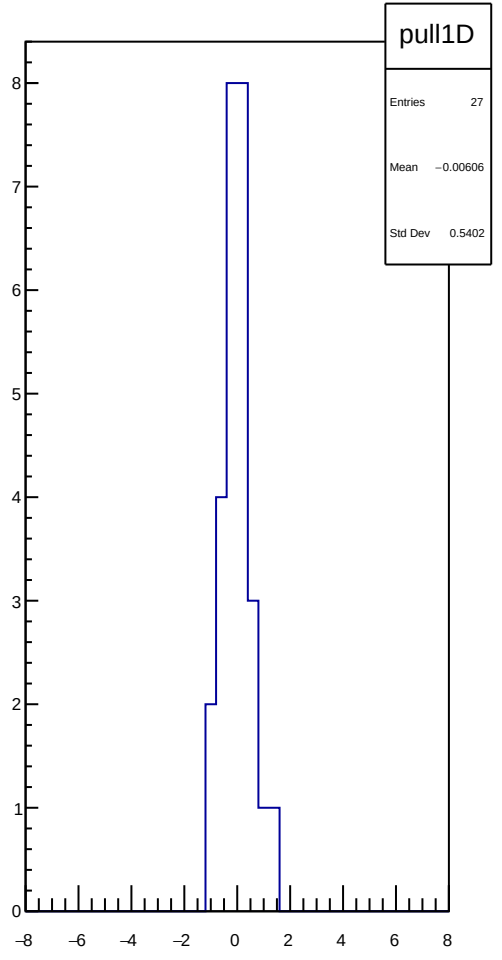

pull1D
Entries 27
Mean −0.01606
Std Dev 0.4665
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

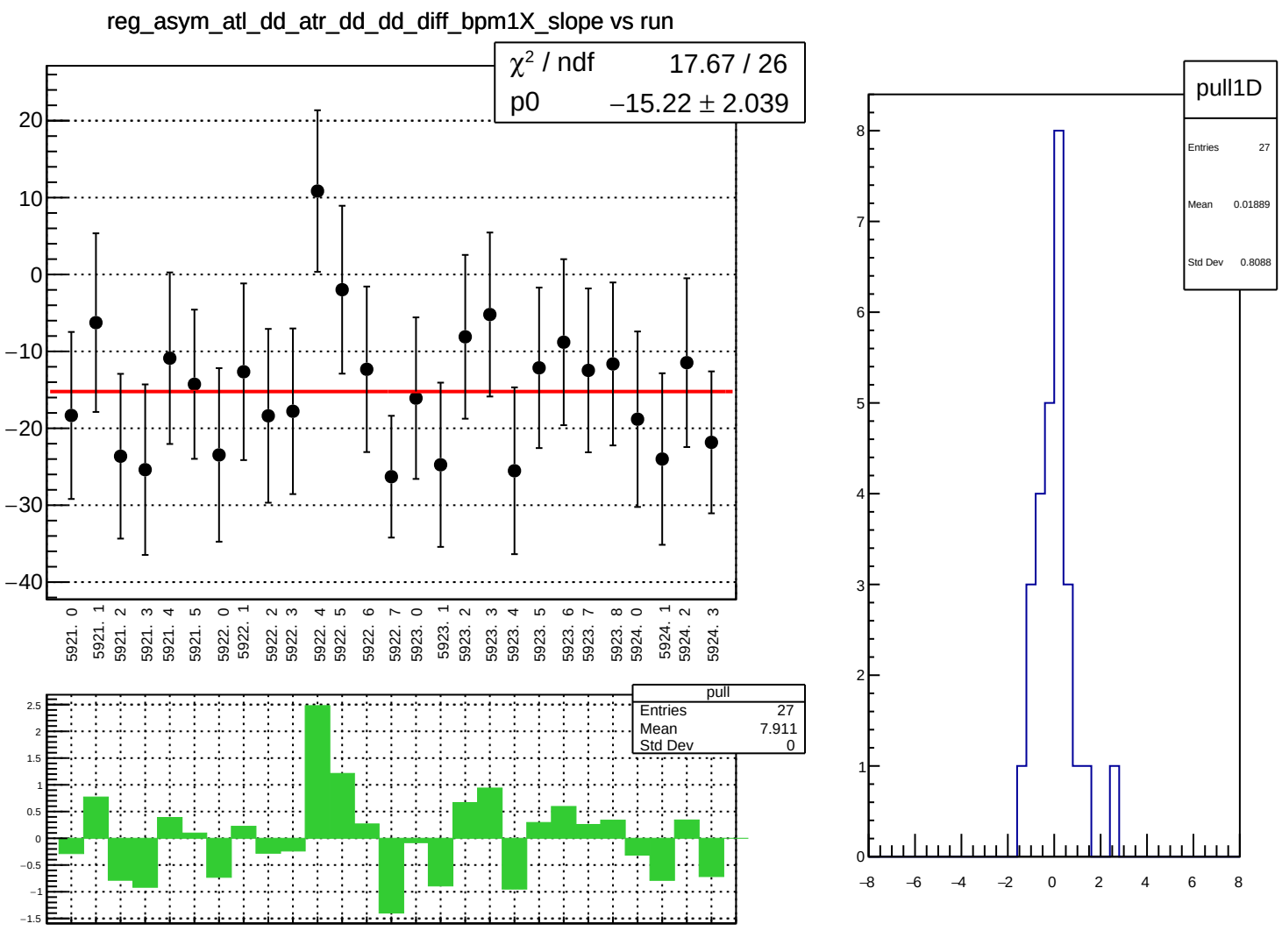

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.565 / 26
p0 −253 ± 6.37
−180
−200
−220
−240
−260
−280
−300
−320
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −76.44
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

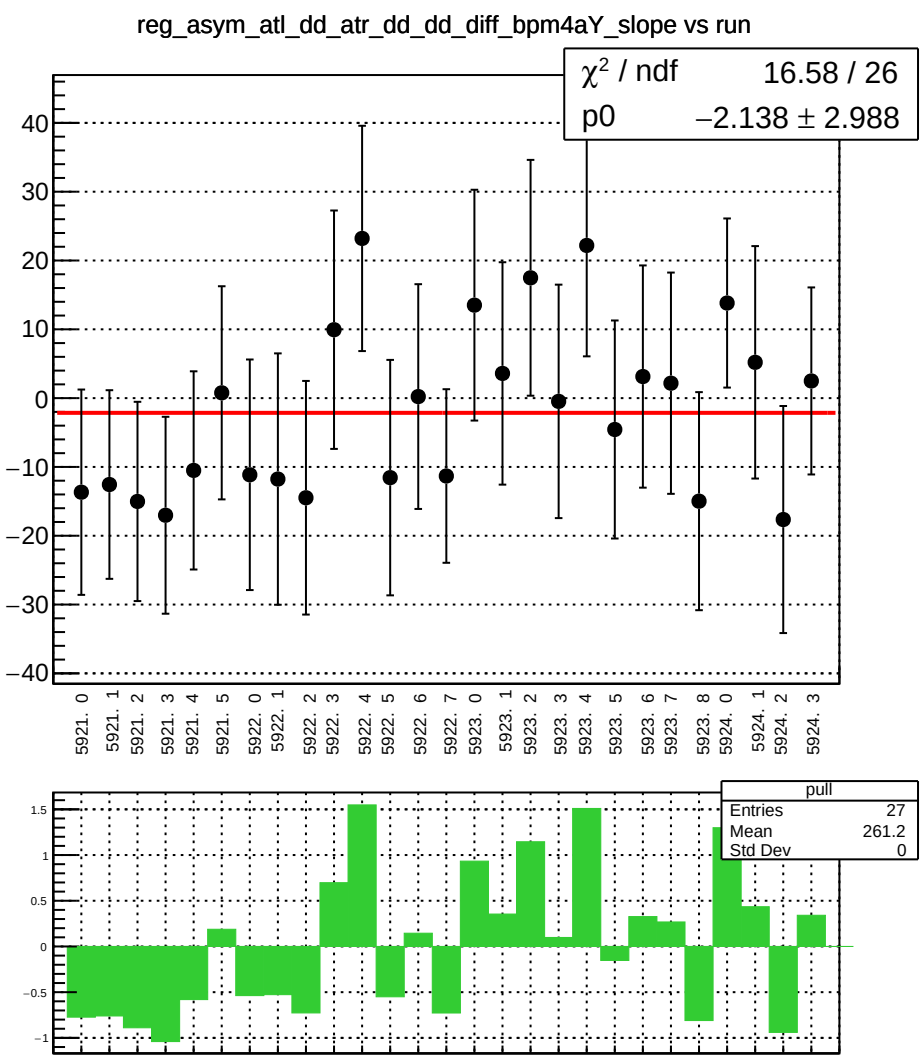

pull1D
Entries 27
Mean 0.009818
Std Dev 0.4539
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

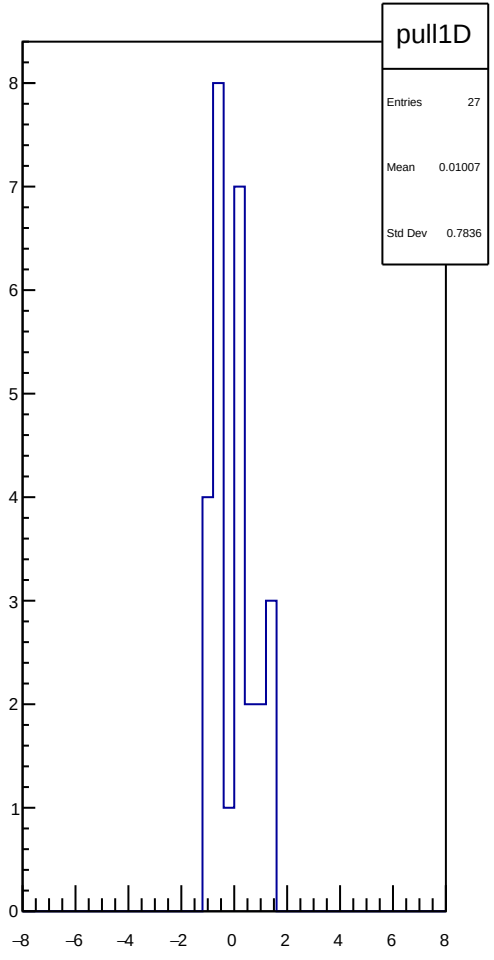

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.253 / 26
p0 −57.91 ± 7.211
pull
Entries 27
Mean 90.6
Std Dev 0
pull1D
Entries 27
Mean 0.01795
Std Dev 0.4809

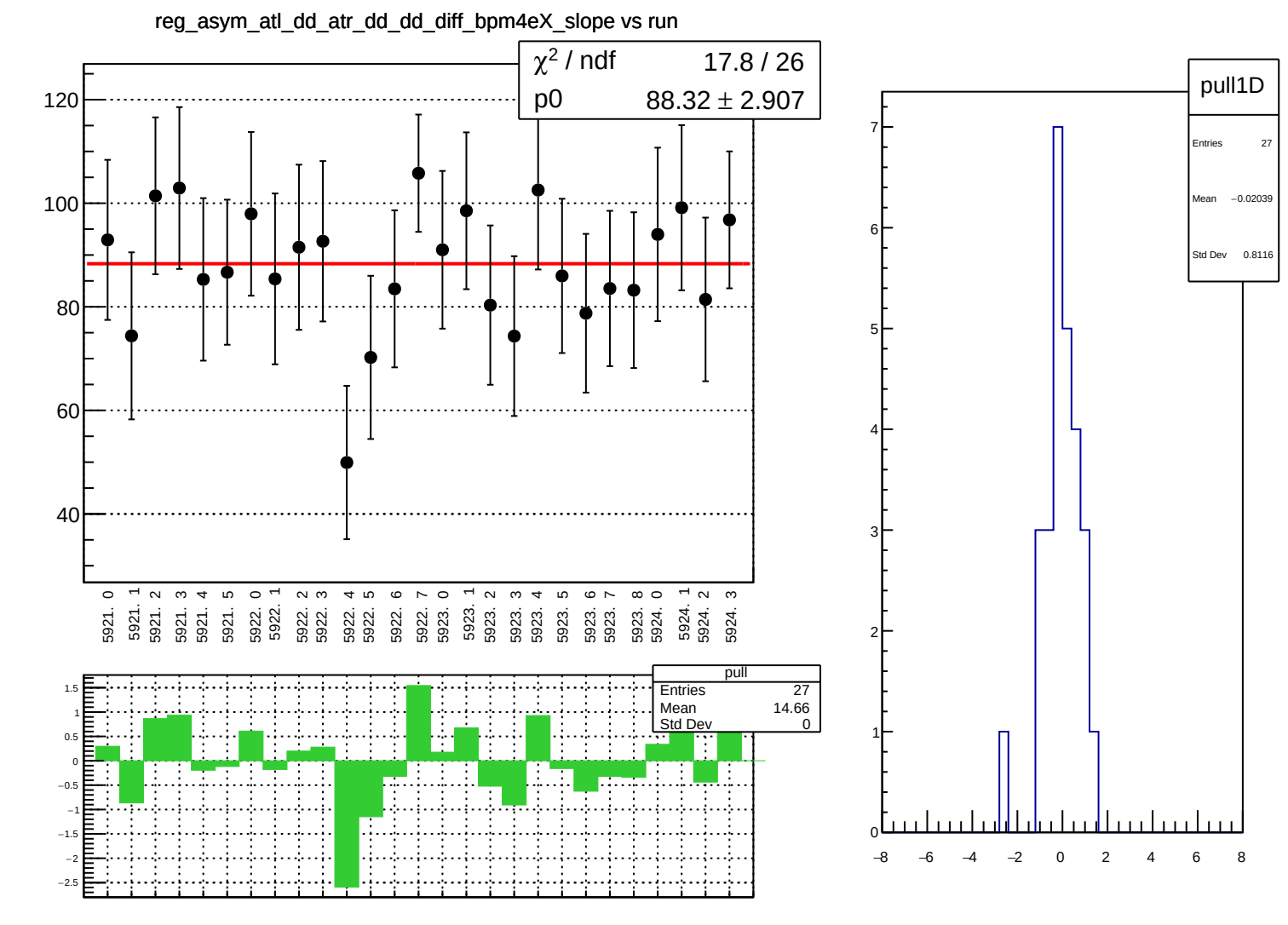

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 7.879 / 26
p0 99.83 ± 0.4928
106
104
102
100
98
96
94
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −329.5
Std Dev 0
1
0.5
0
−0.5
−1

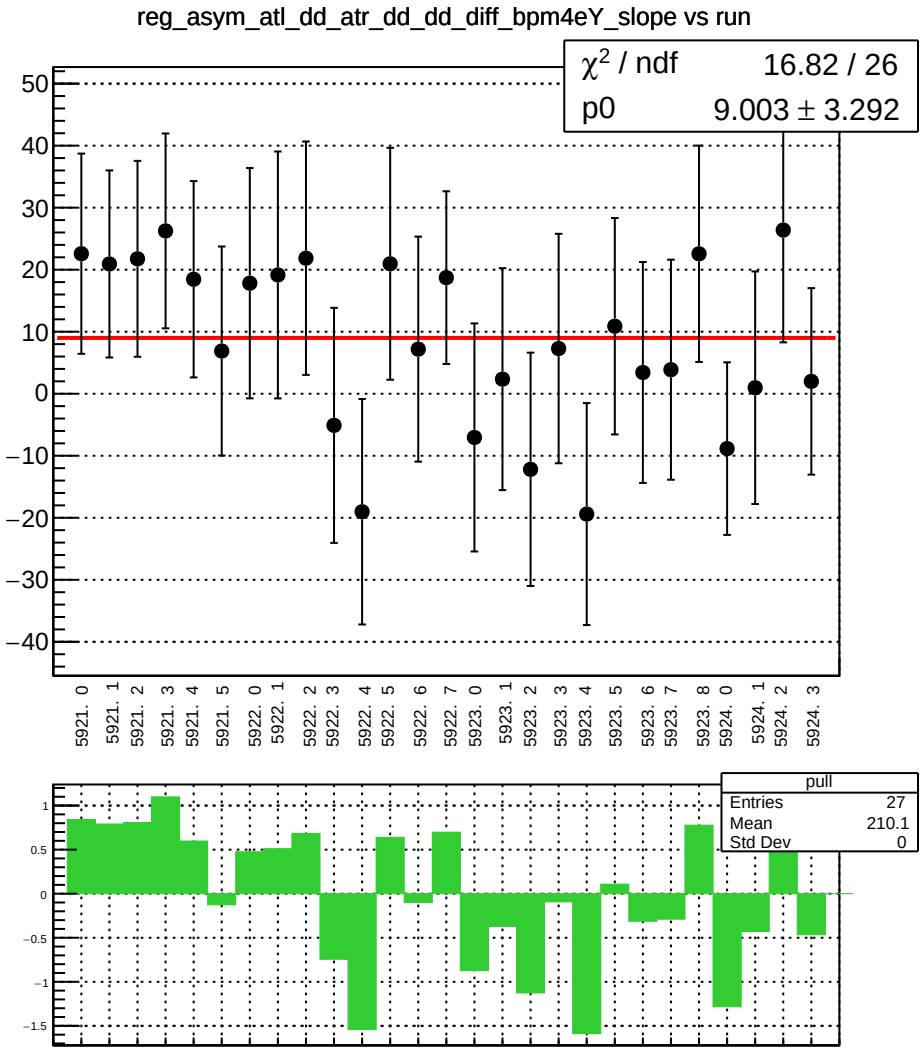

pull1D
Entries 27
Mean −0.00606
Std Dev 0.5402
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

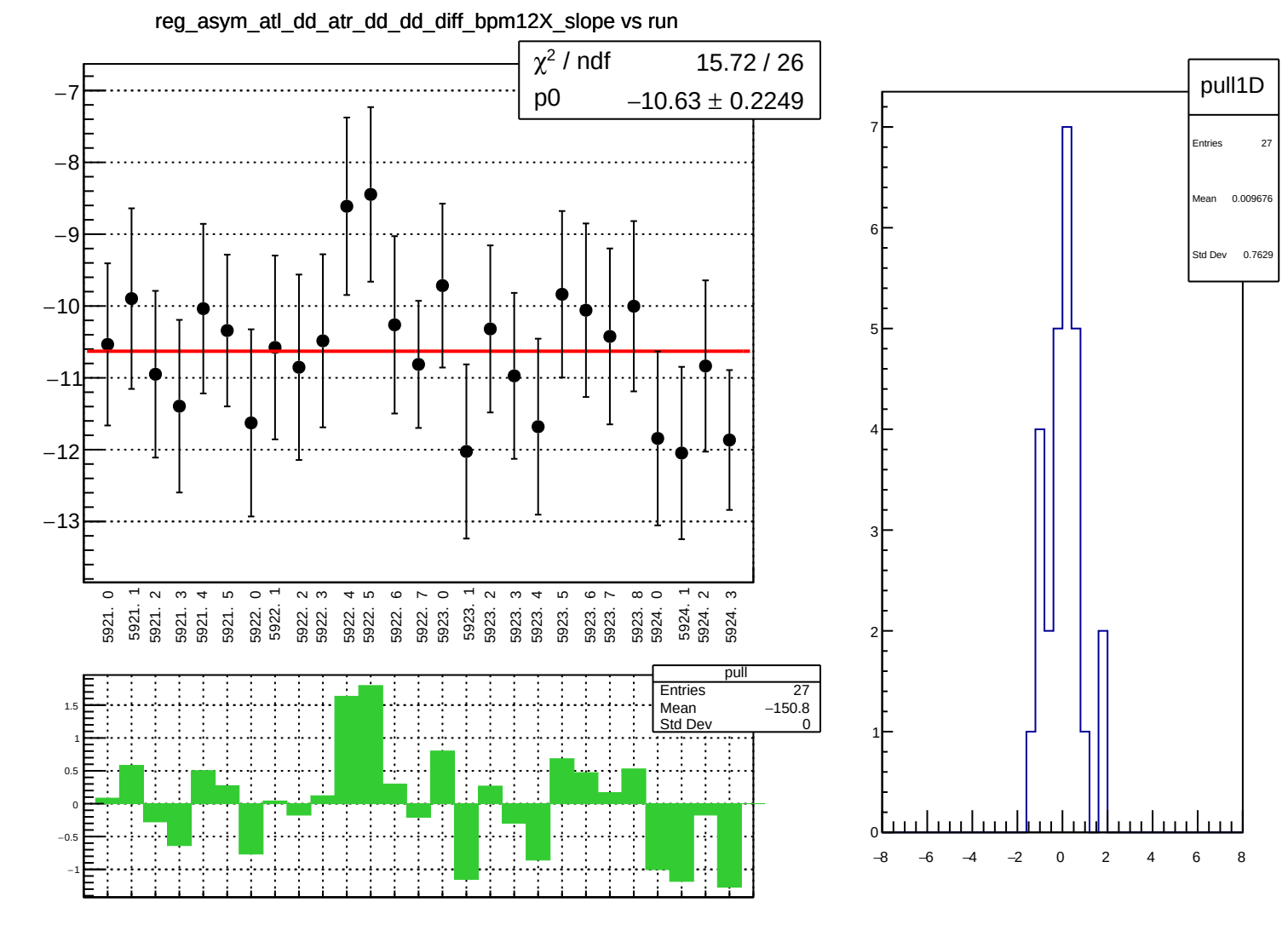

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 17.67 / 26
p0 −15.22 ± 2.039
20
10
0
−10
−20
−30
−40
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 7.911
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.01889
Std Dev 0.8088
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

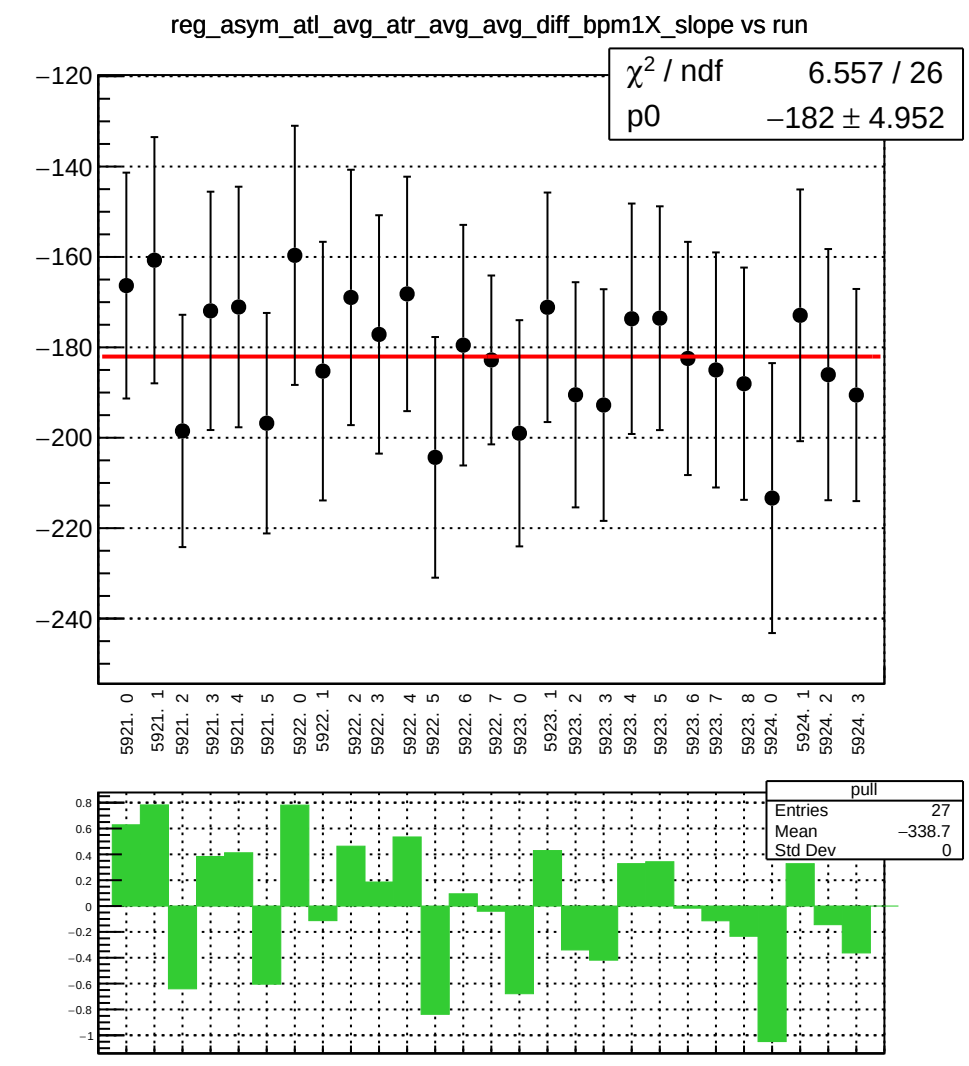

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 16.58 / 26
p0 −2.138 ± 2.988
pull
Entries 27
Mean 261.2
Std Dev 0

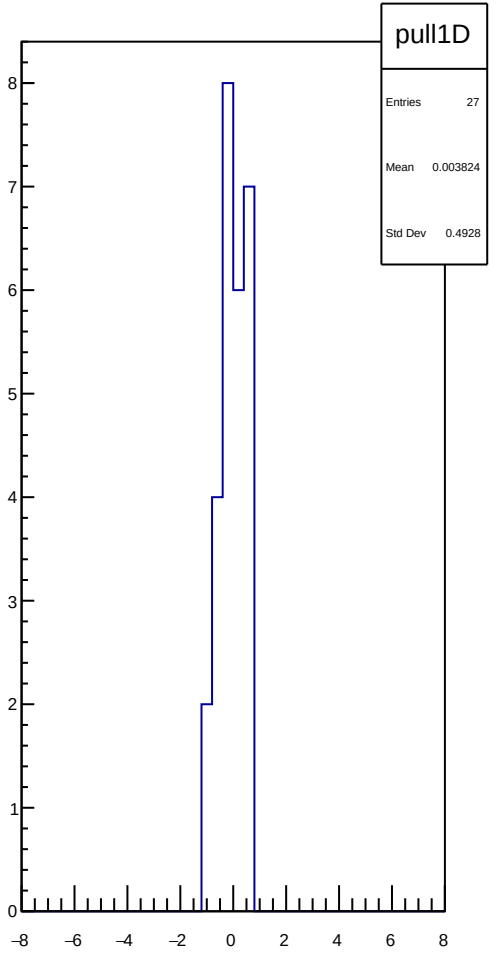

pull1D
Entries 27
Mean 0.01007
Std Dev 0.7836

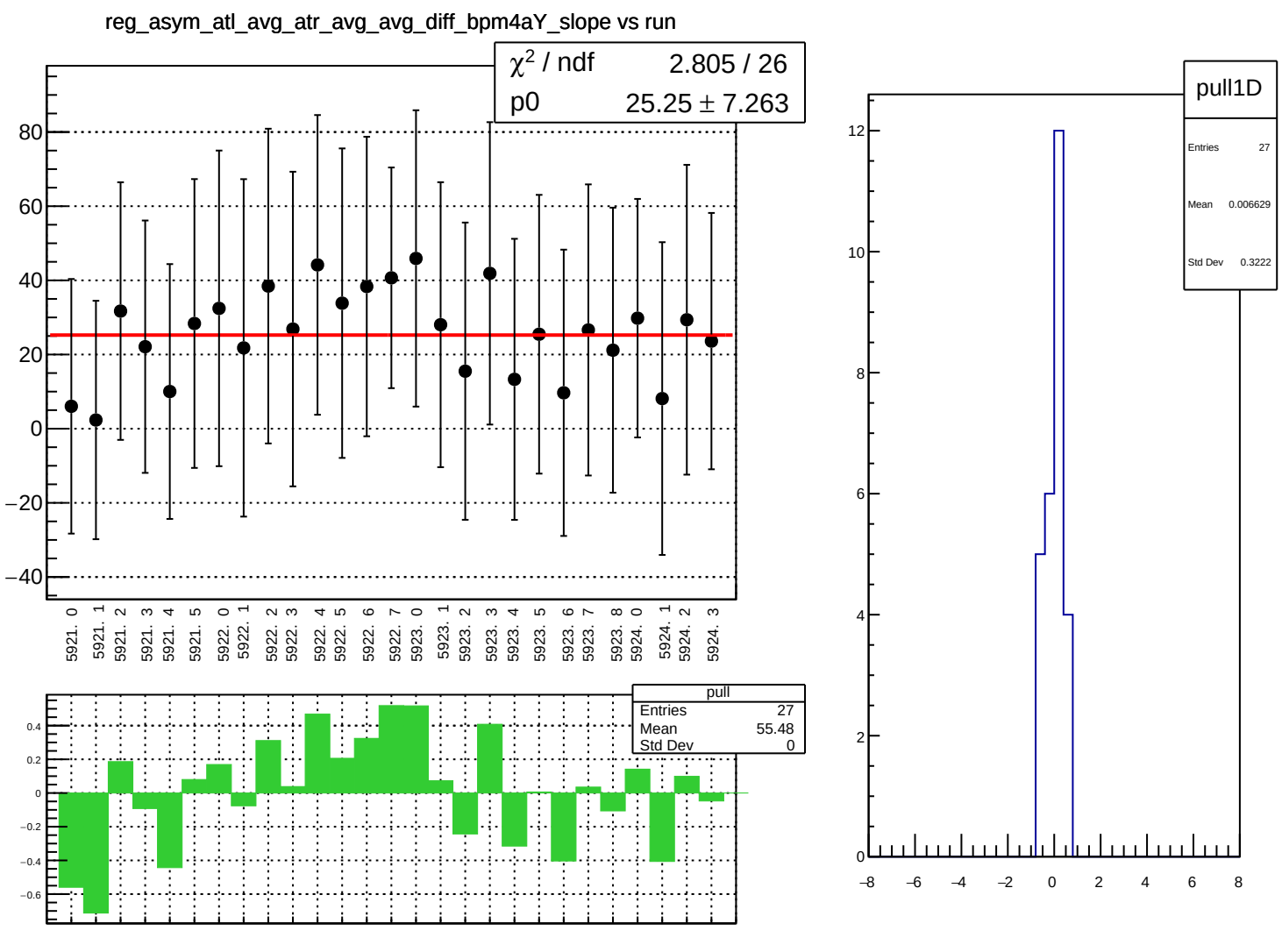

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 17.8 / 26
p0 88.32 ± 2.907
120
100
80
60
40
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 14.66
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean −0.02039
Std Dev 0.8116
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

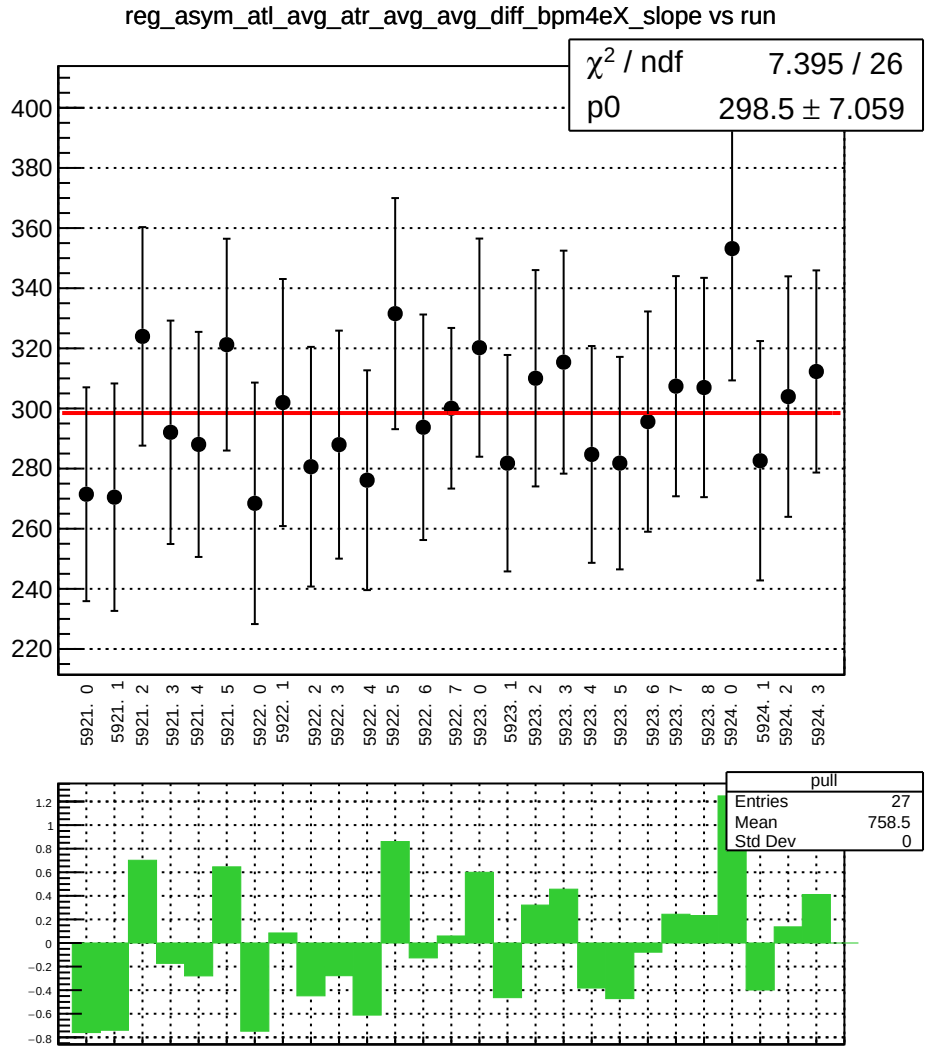

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.82 / 26
p0 9.003 ± 3.292
pull
Entries 27
Mean 210.1
Std Dev 0
pull1D
Entries 27
Mean −0.01324
Std Dev 0.7891

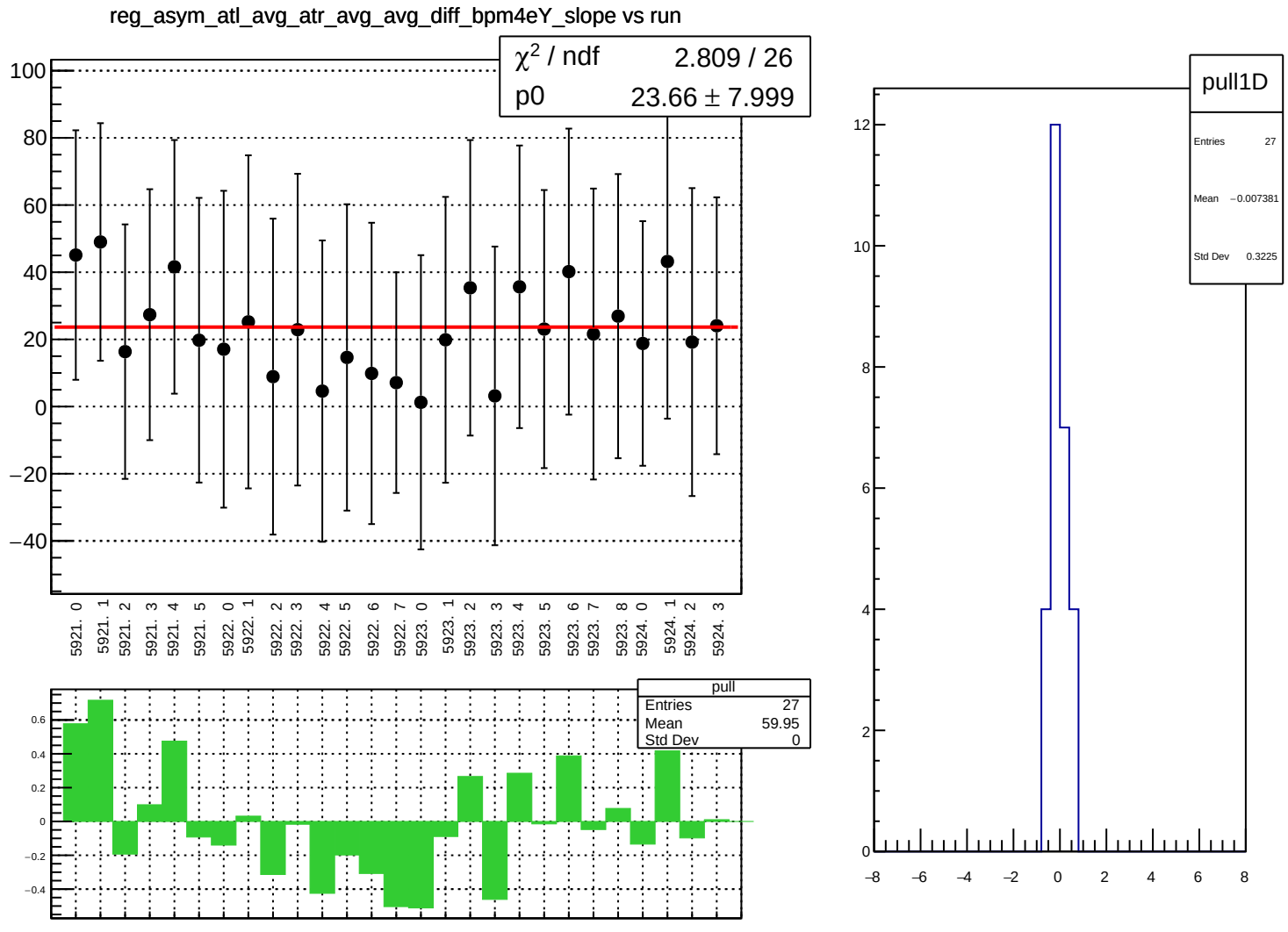

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 15.72 / 26
p0 −10.63 ± 0.2249
pull
Entries 27
Mean −150.8
Std Dev 0
pull1D
Entries 27
Mean 0.009676
Std Dev 0.7629

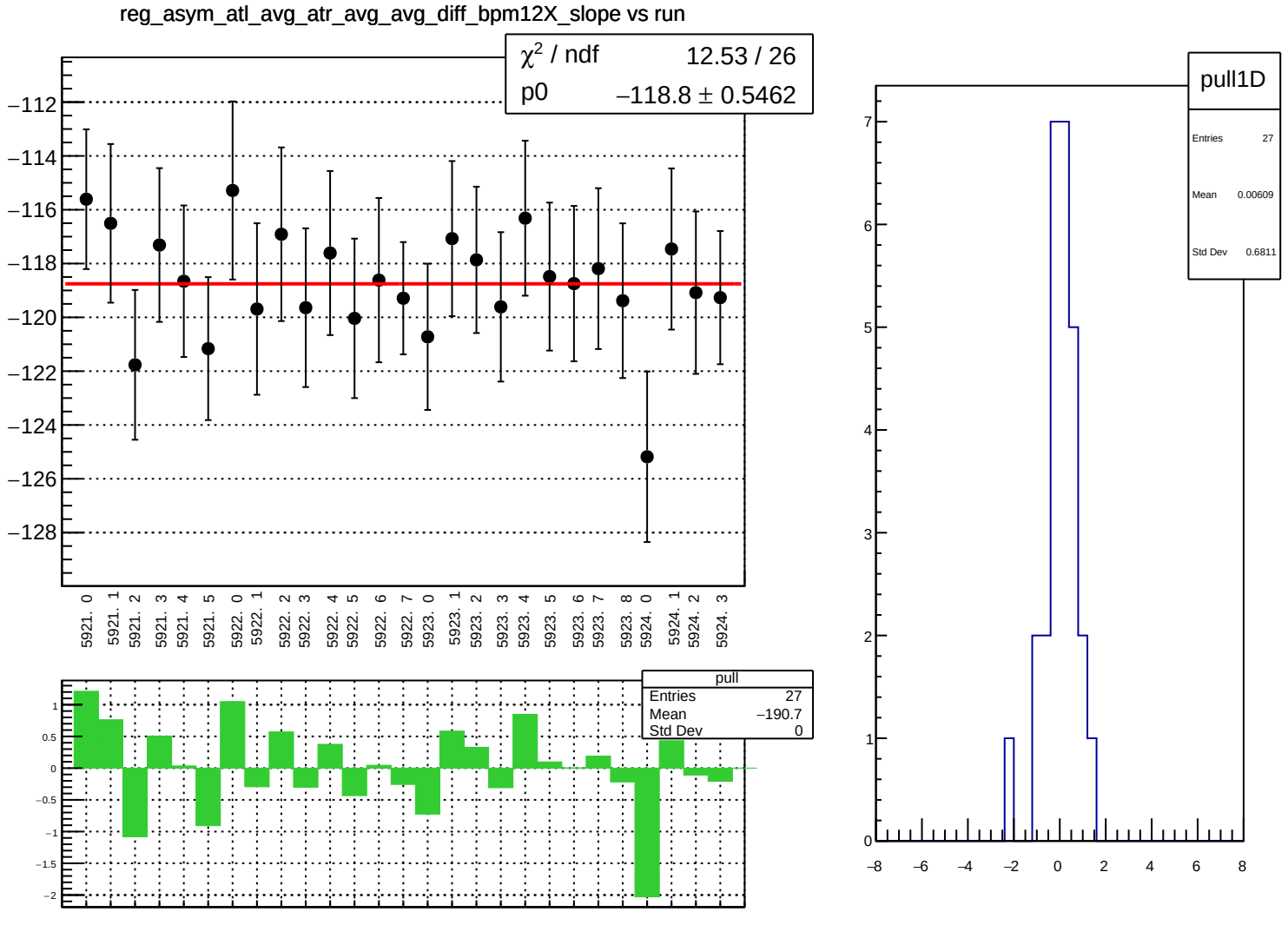

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 6.557 / 26
p0 −182 ± 4.952
−120
−140
−160
−180
−200
−220
−240
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −338.7
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

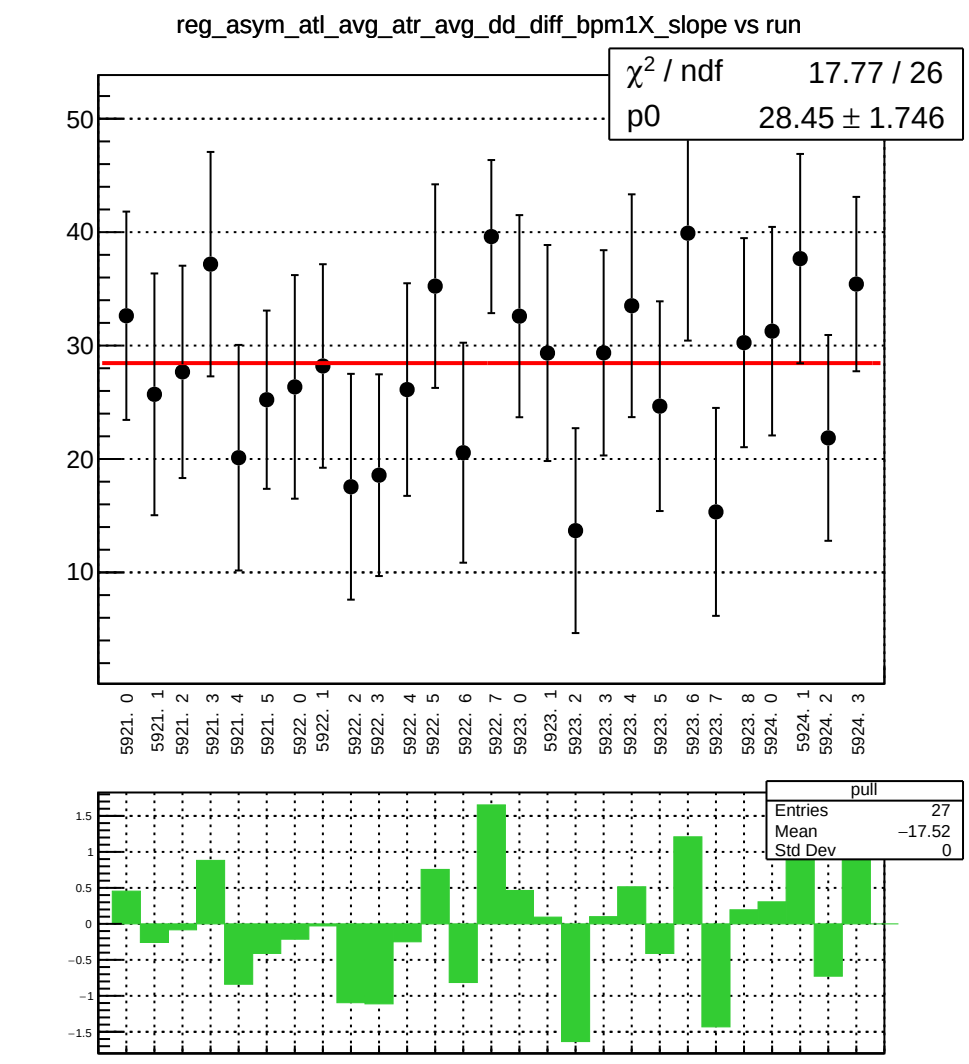

pull1D
Entries 27
Mean 0.003824
Std Dev 0.4928
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

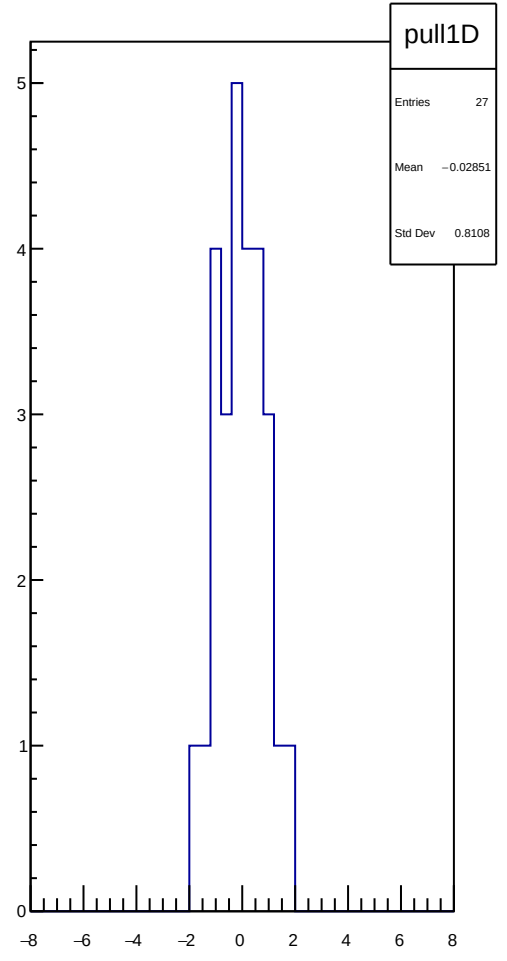

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.805 / 26
p0 25.25 ± 7.263
80
60
40
20
0
−20
−40
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 55.48
Std Dev 0
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 27
Mean 0.006629
Std Dev 0.3222
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

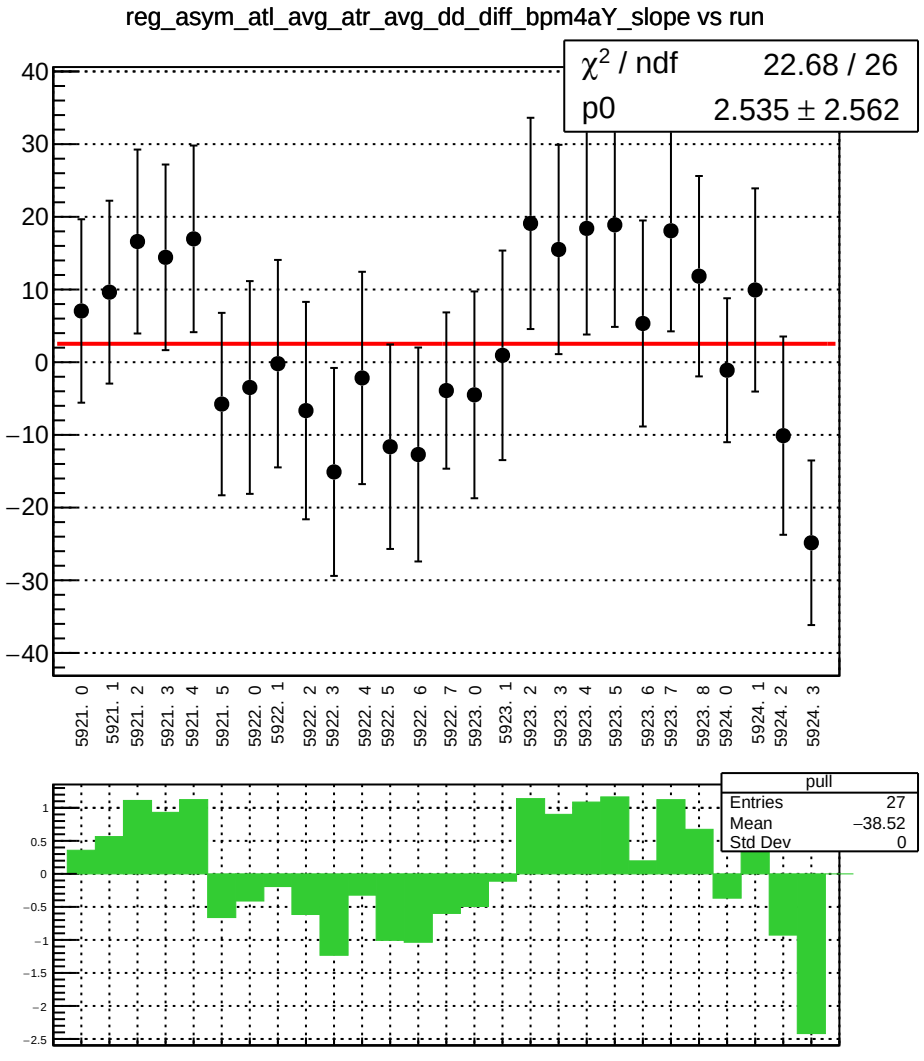

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 7.395 / 26
p0 298.5 ± 7.059
pull
Entries 27
Mean 758.5
Std Dev 0
pull1D
Entries 27
Mean 0.001726
Std Dev 0.5233

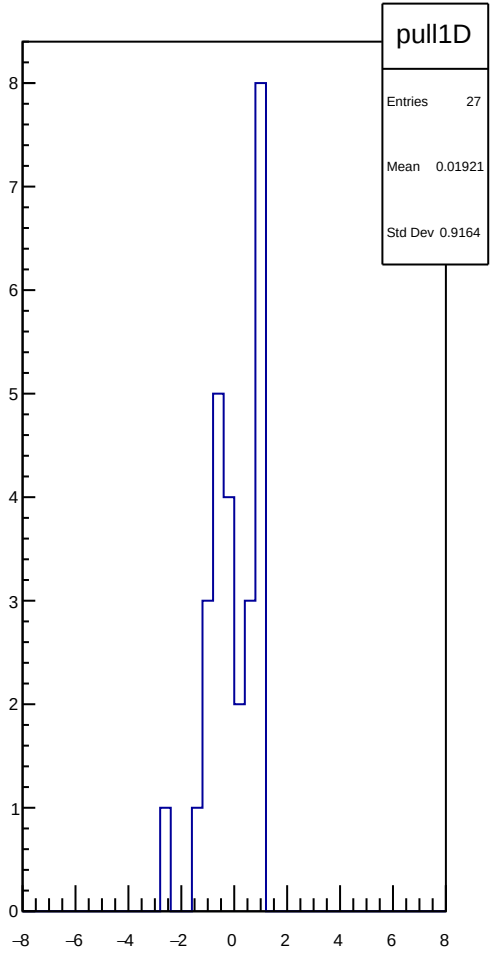

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.809 / 26
p0 23.66 ± 7.999
100
80
60
40
20
0
−20
−40
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 59.95
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 27
Mean −0.007381
Std Dev 0.3225
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

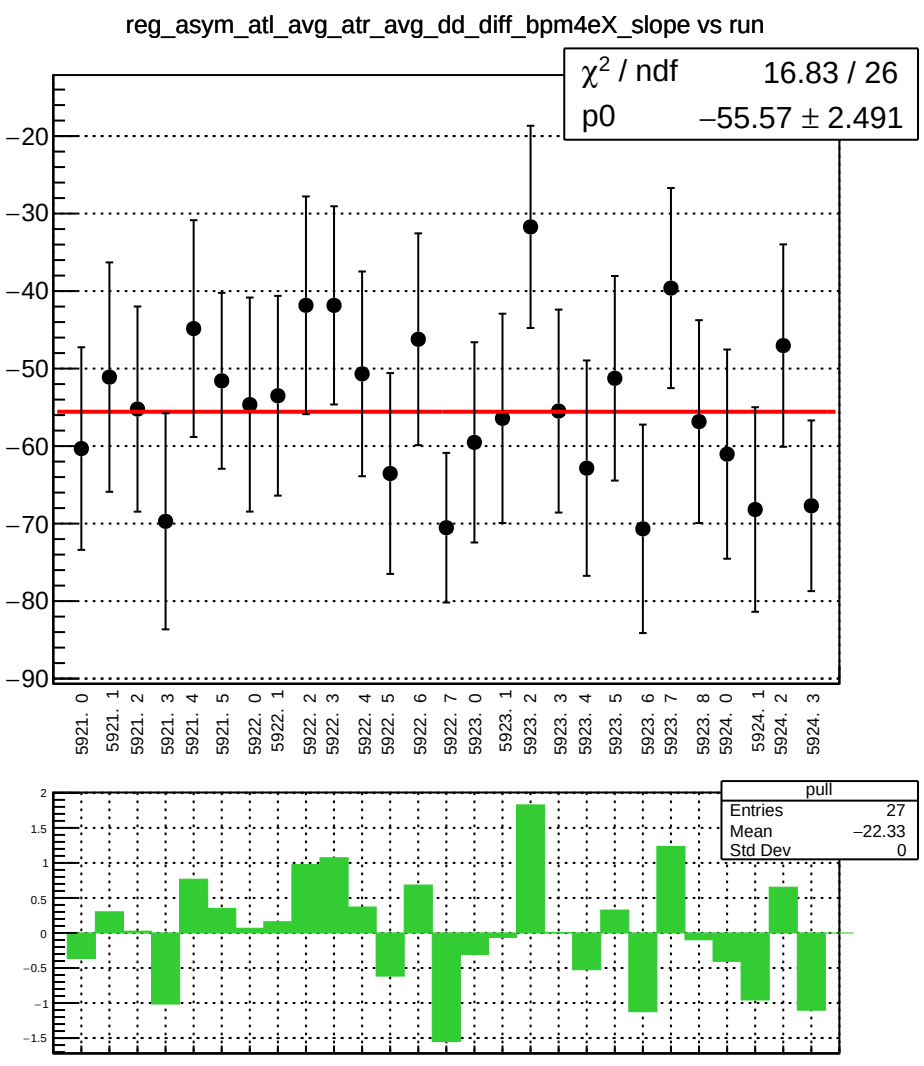

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 12.53 / 26
p0 −118.8 ± 0.5462
−112
−114
−116
−118
−120
−122
−124
−126
−128
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −190.7
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean 0.00609
Std Dev 0.6811
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

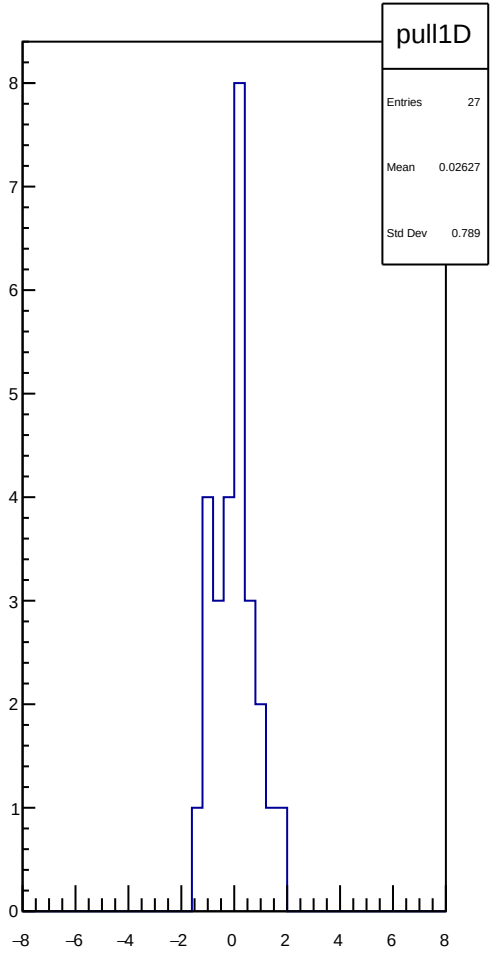

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 17.77 / 26
p0 28.45 ± 1.746
50
40
30
20
10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −17.52
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

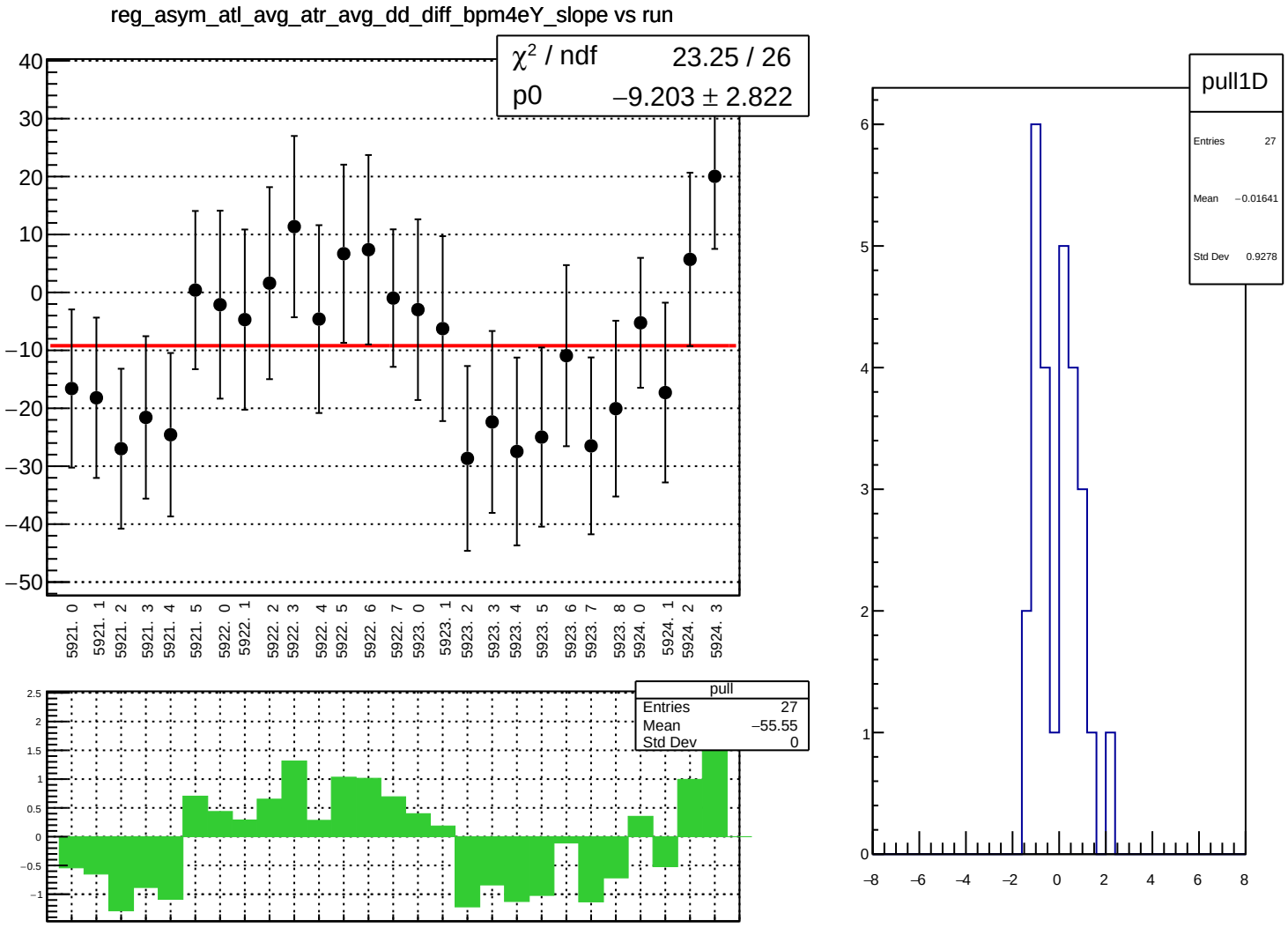

pull1D
Entries 27
Mean −0.02851
Std Dev 0.8108
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

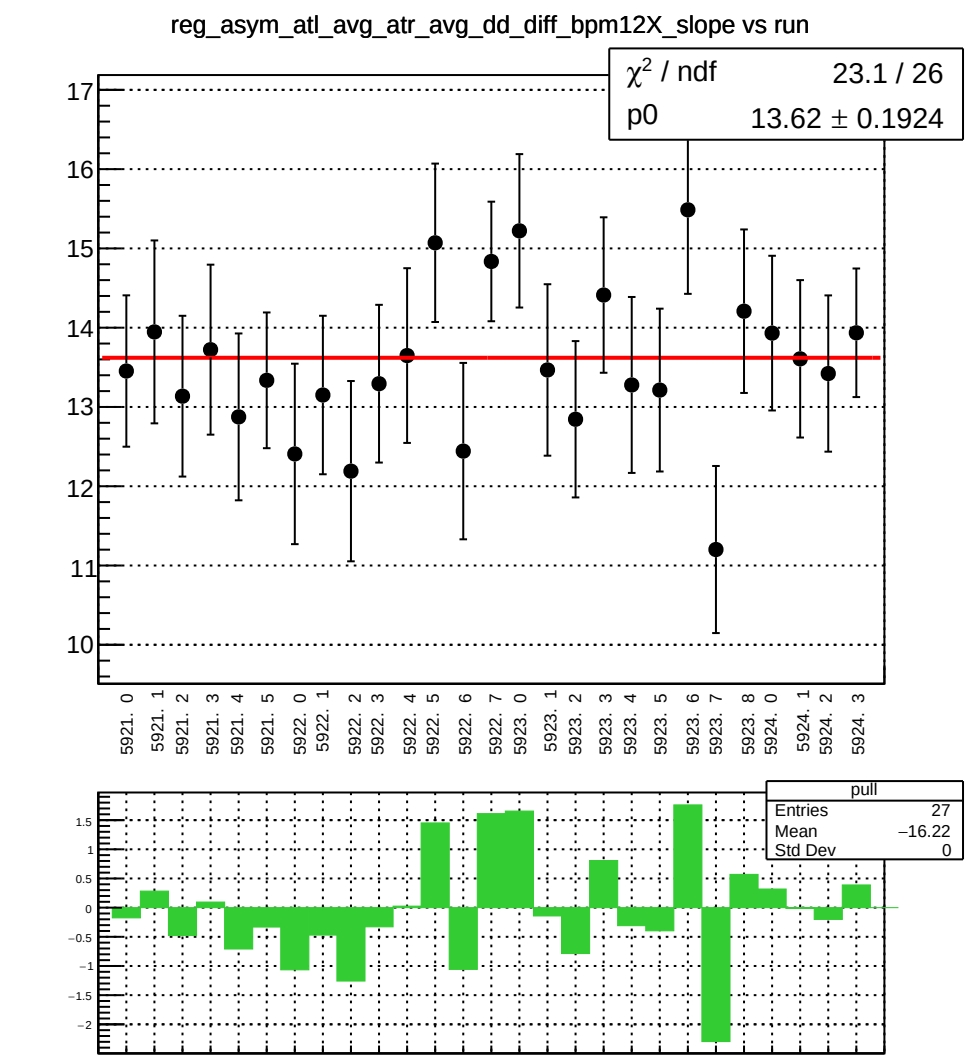

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 22.68 / 26
p0 2.535 ± 2.562
pull
Entries 27
Mean −38.52
Std Dev 0

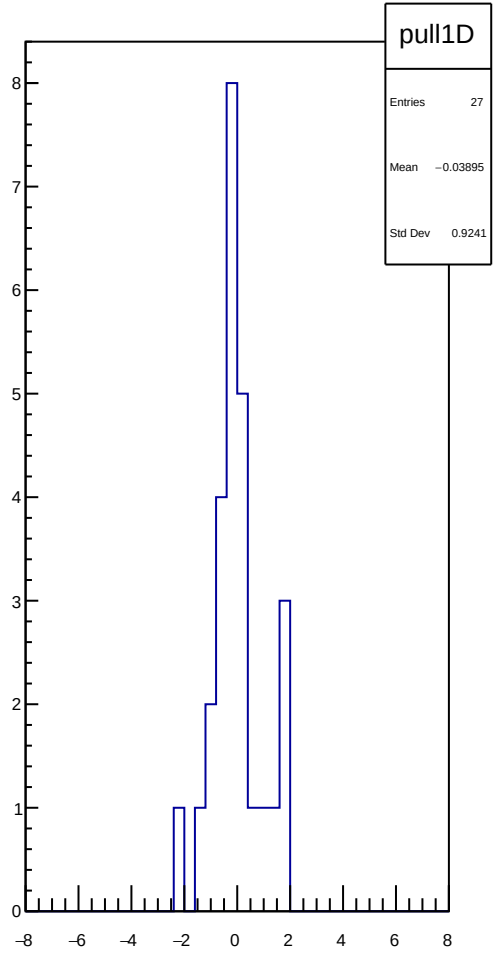

pull1D
Entries 27
Mean 0.01921
Std Dev 0.9164

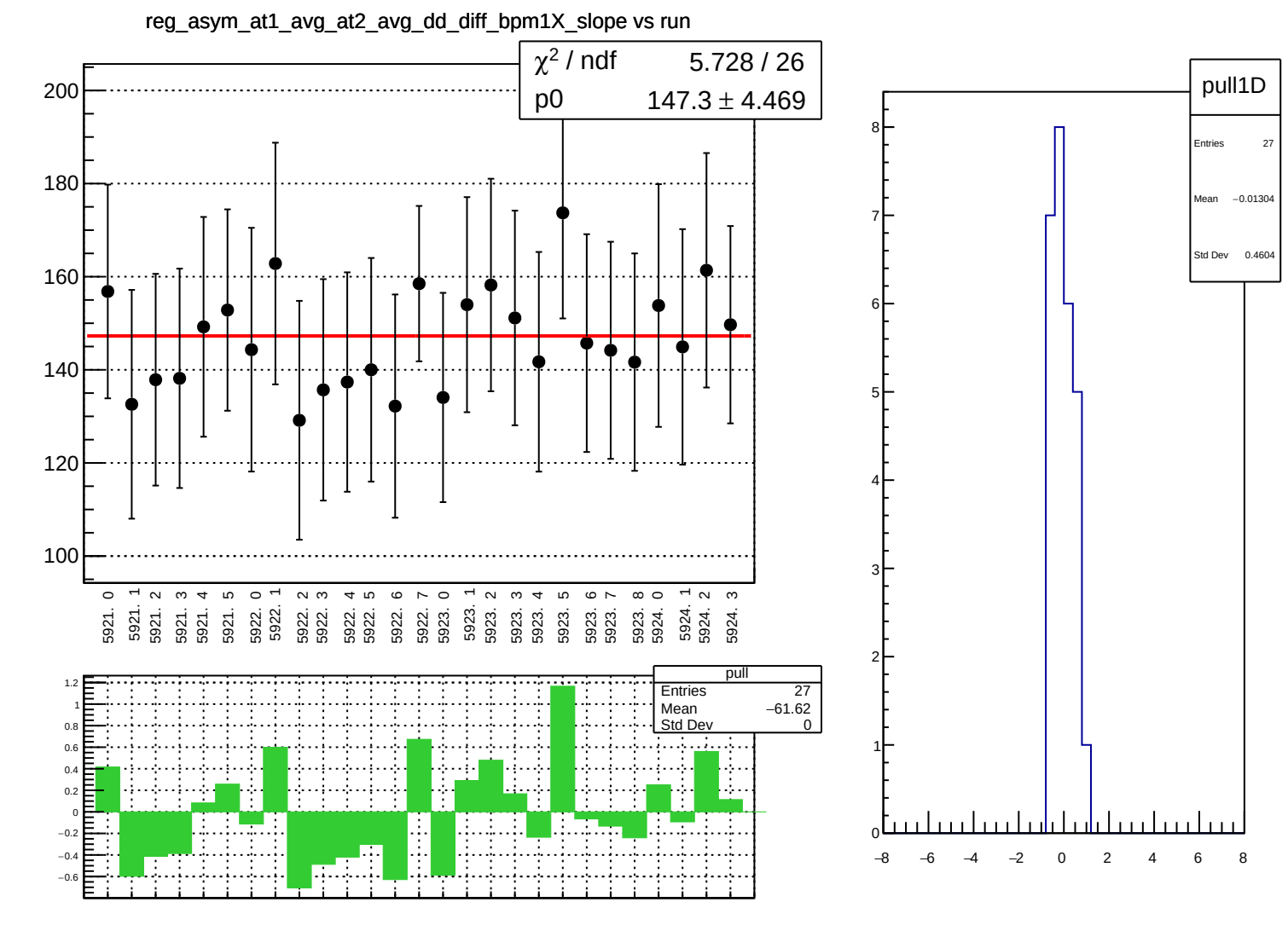

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 16.83 / 26
p0 −55.57 ± 2.491
pull
Entries 27
Mean −22.33
Std Dev 0

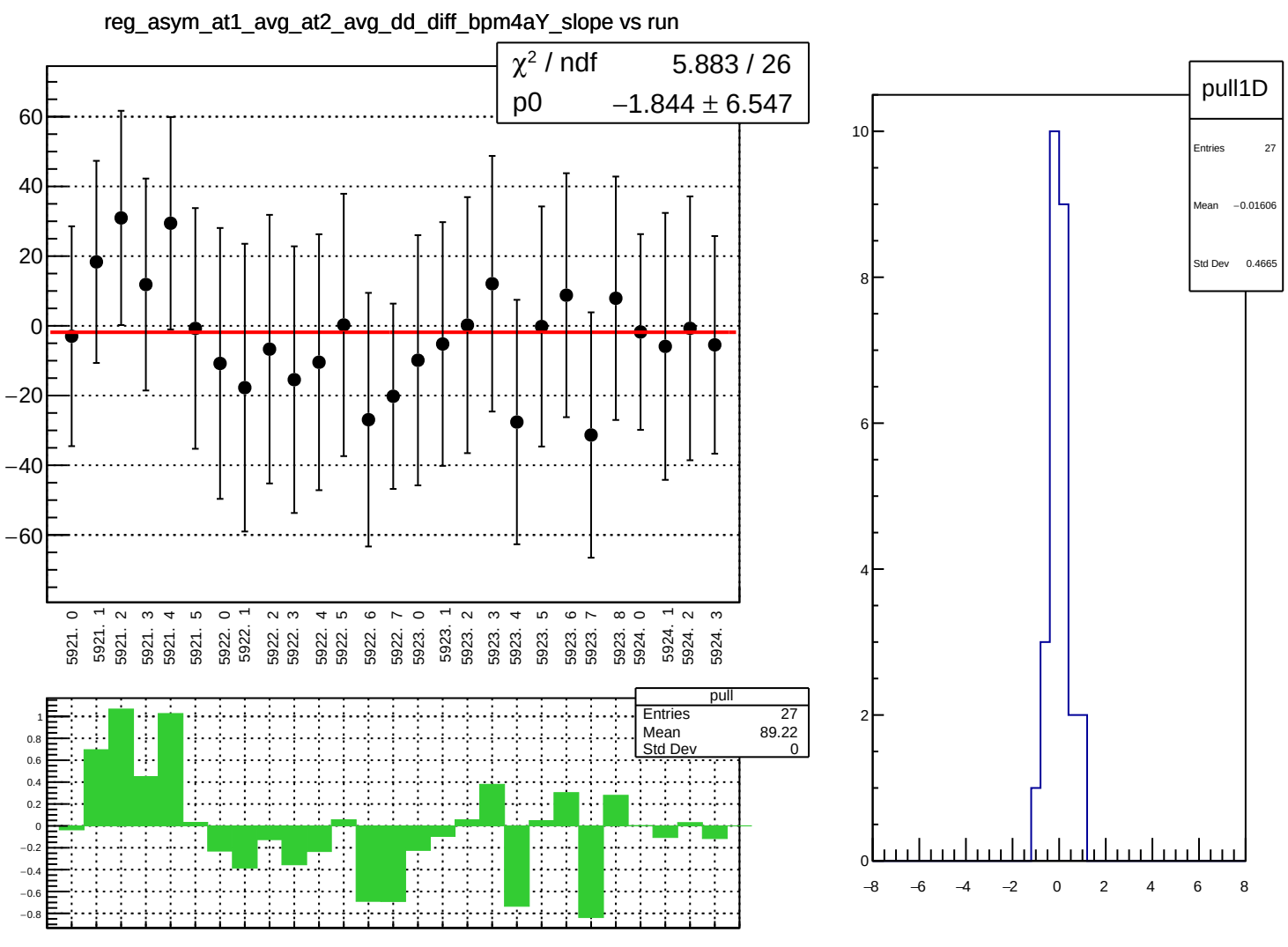

pull1D
Entries 27
Mean 0.02627
Std Dev 0.789

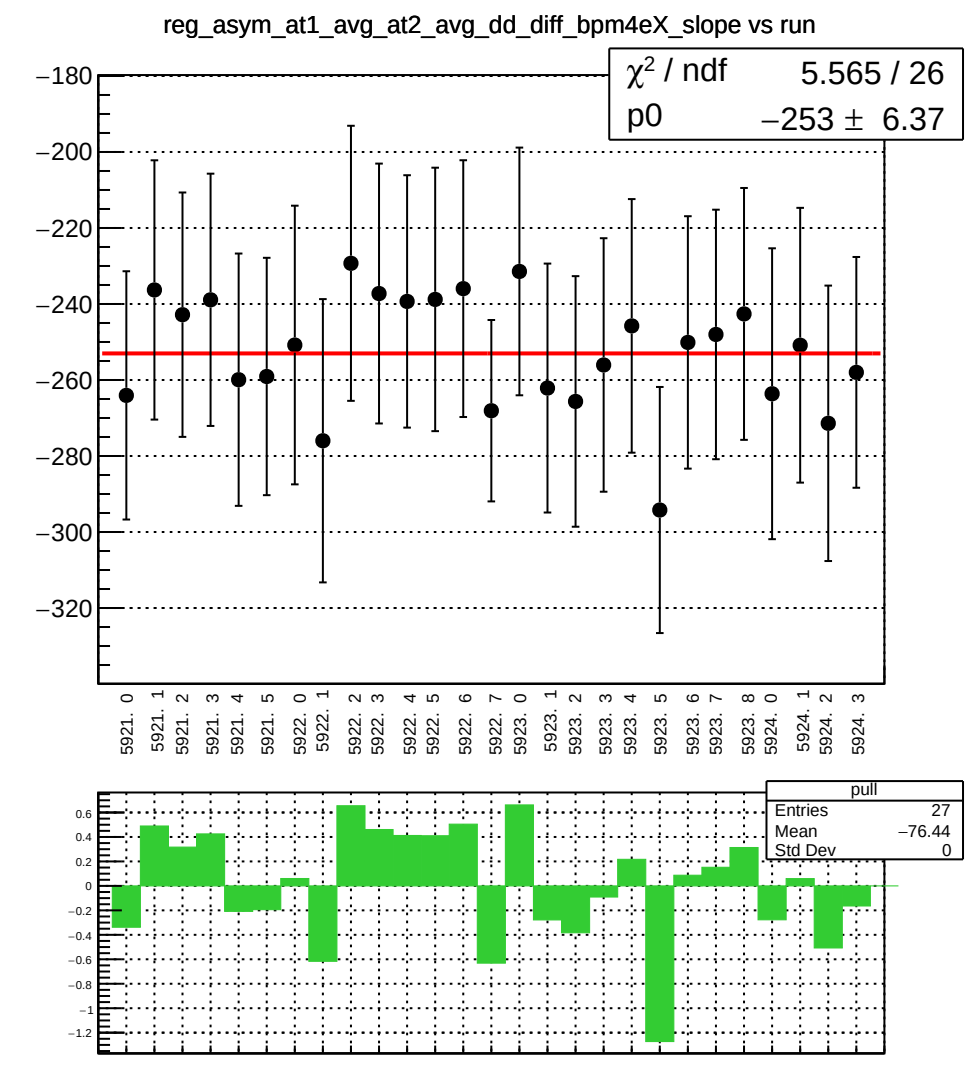

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 23.25 / 26
p0 −9.203 ± 2.822
pull
Entries 27
Mean −55.55
Std Dev 0
pull1D
Entries 27
Mean −0.01641
Std Dev 0.9278

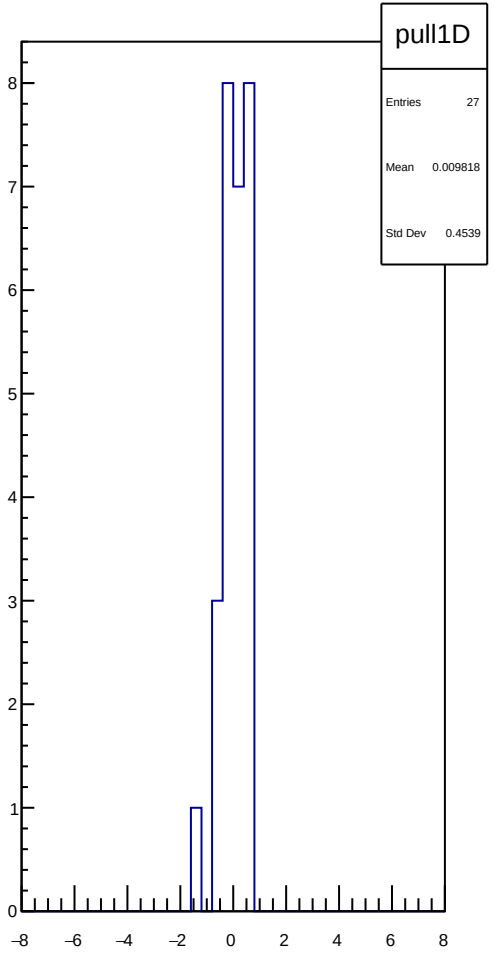

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 23.1 / 26
p0 13.62 ± 0.1924
17
16
15
14
13
12
11
10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −16.22
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

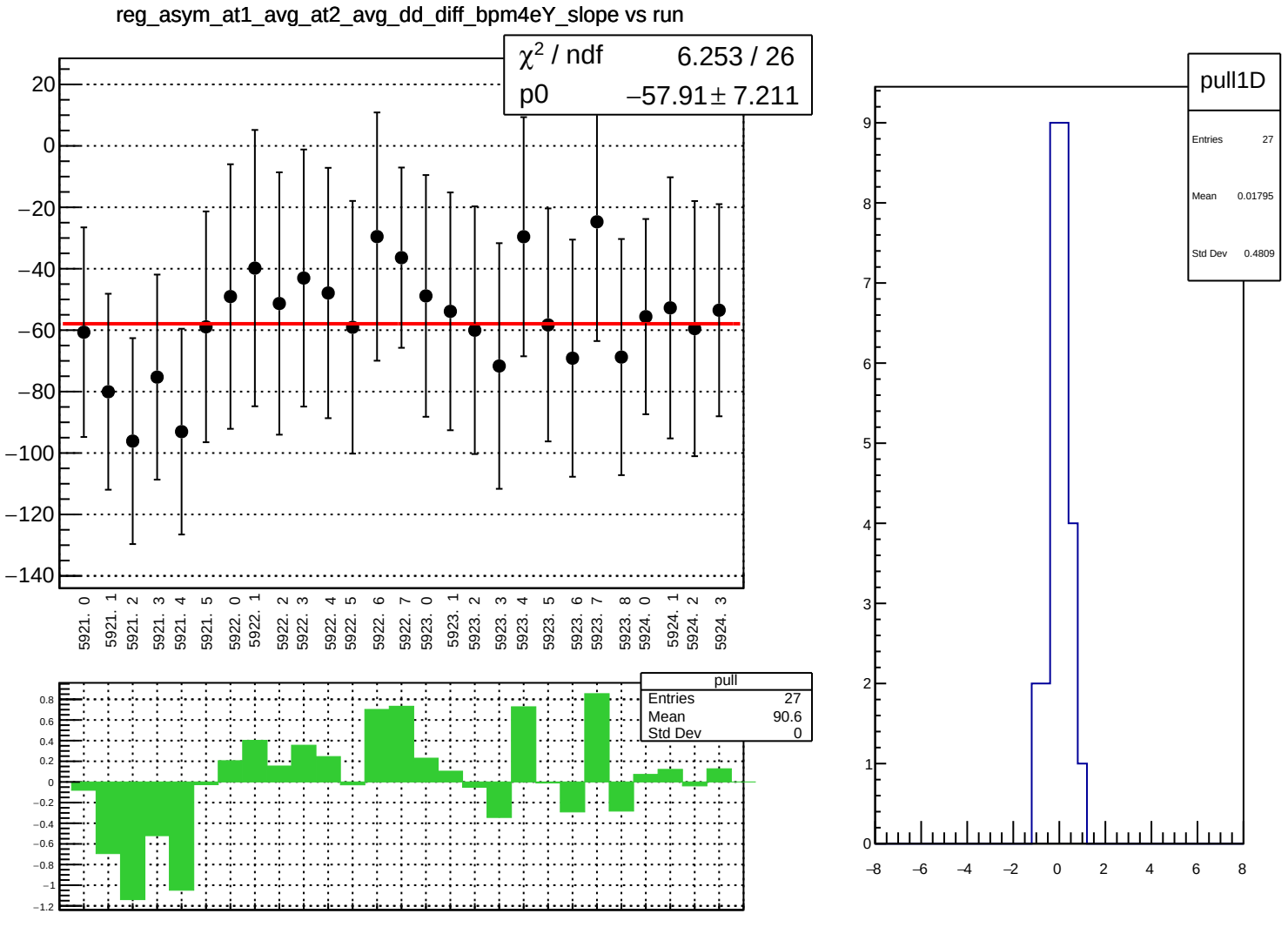

pull1D
Entries 27
Mean −0.03895
Std Dev 0.9241
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

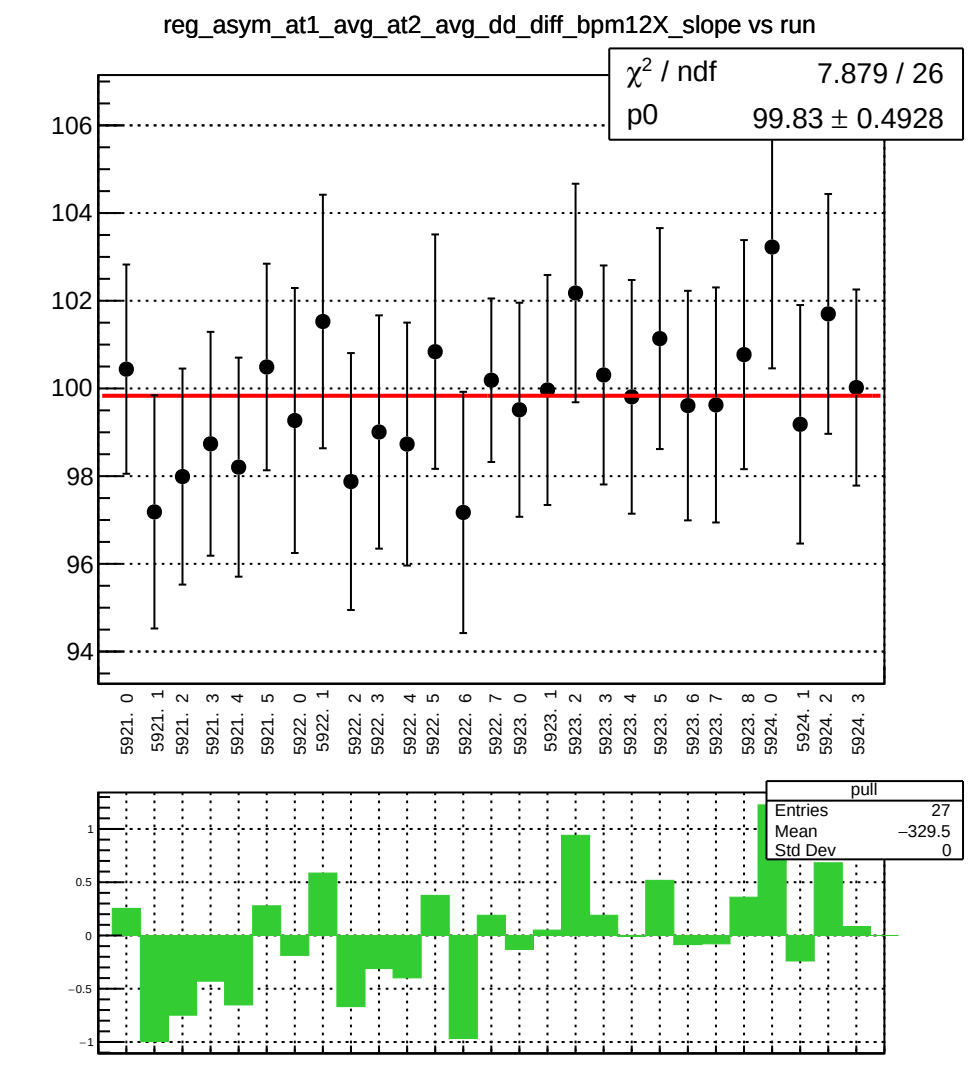

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 5.728 / 26
p0 147.3 ± 4.469
200
180
160
140
120
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −61.62
Std Dev 0
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 27
Mean −0.01304
Std Dev 0.4604
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

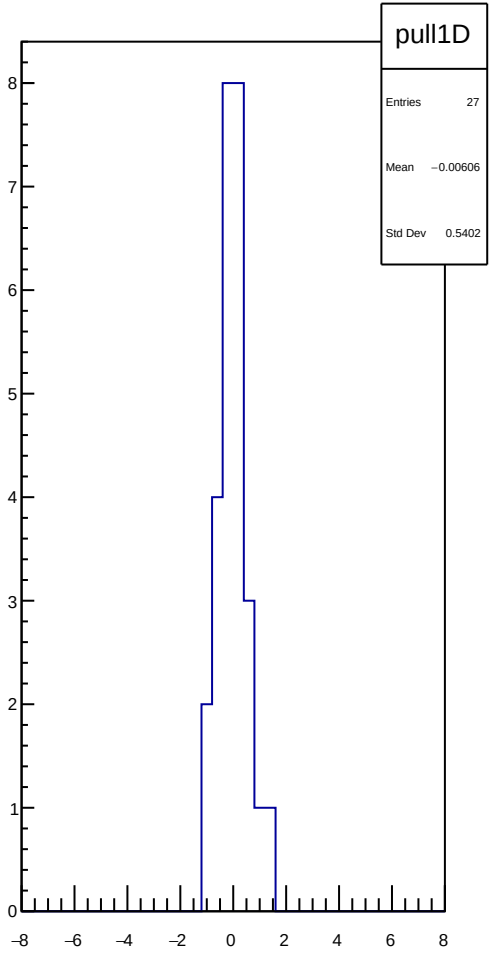

reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.883 / 26
p0 −1.844 ± 6.547
60
40
20
0
−20
−40
−60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 89.22
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 27
Mean −0.01606
Std Dev 0.4665
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

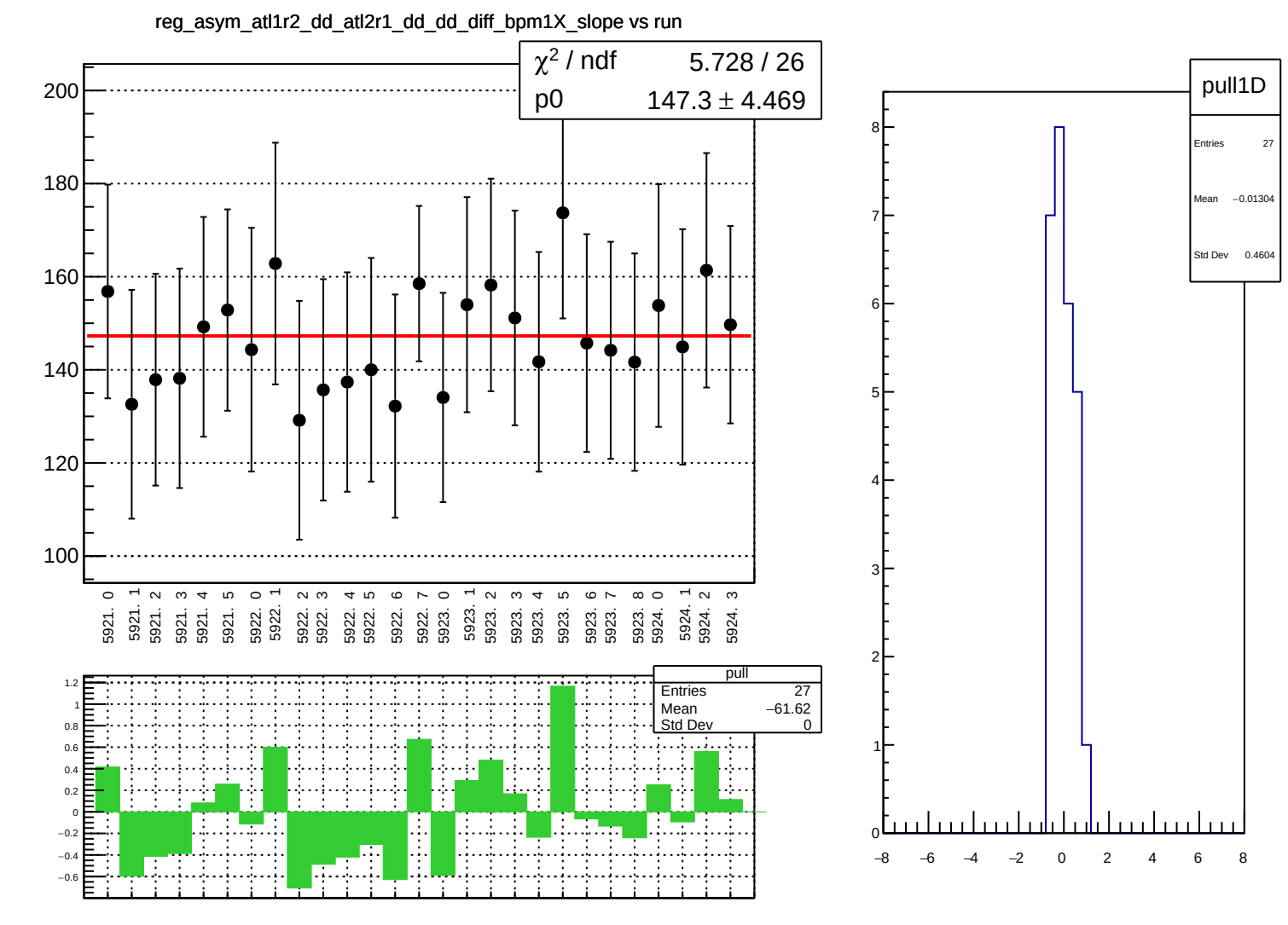

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.565 / 26
p0 −253 ± 6.37
−180
−200
−220
−240
−260
−280
−300
−320
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −76.44
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

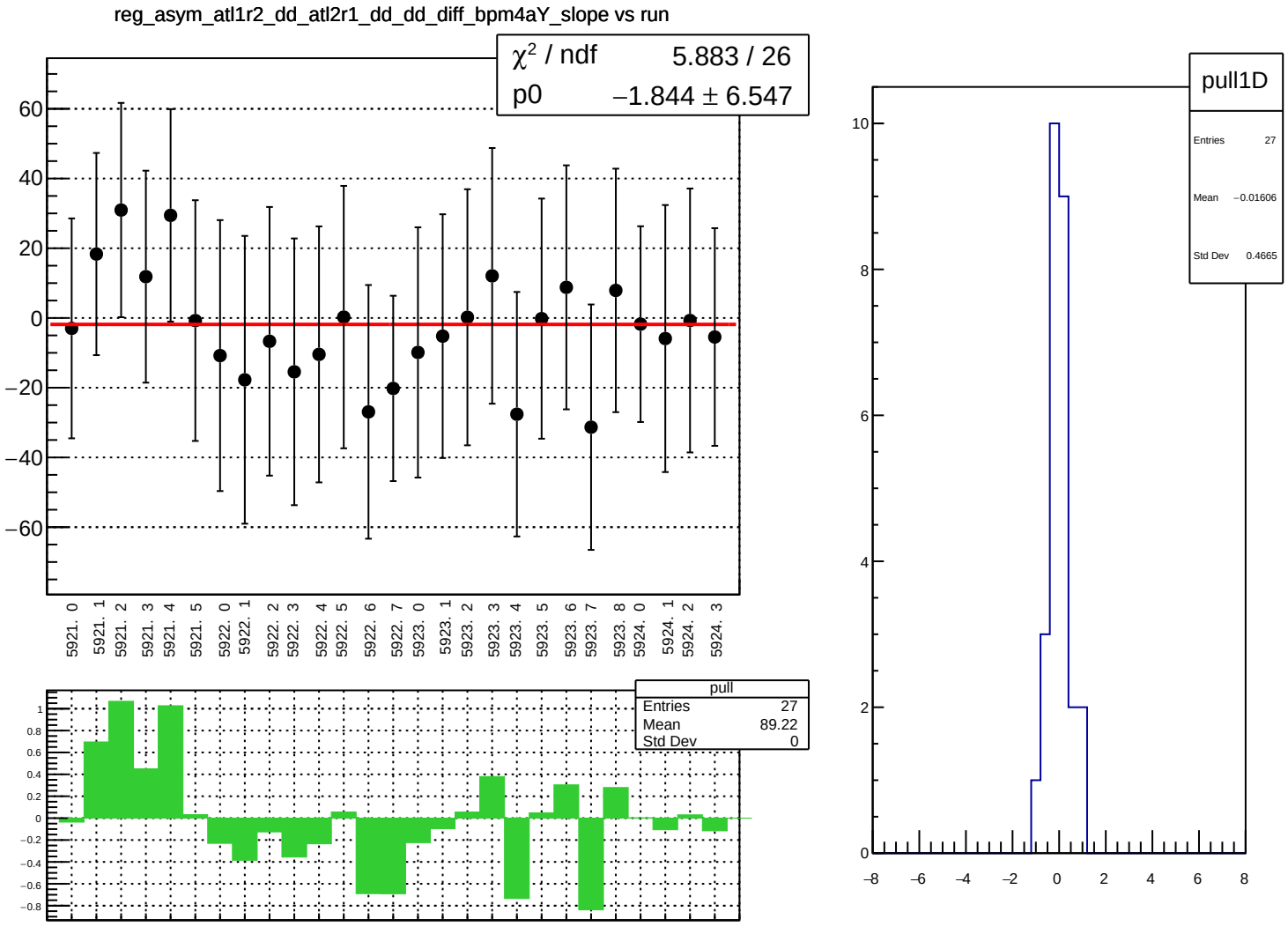

pull1D
Entries 27
Mean 0.009818
Std Dev 0.4539
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

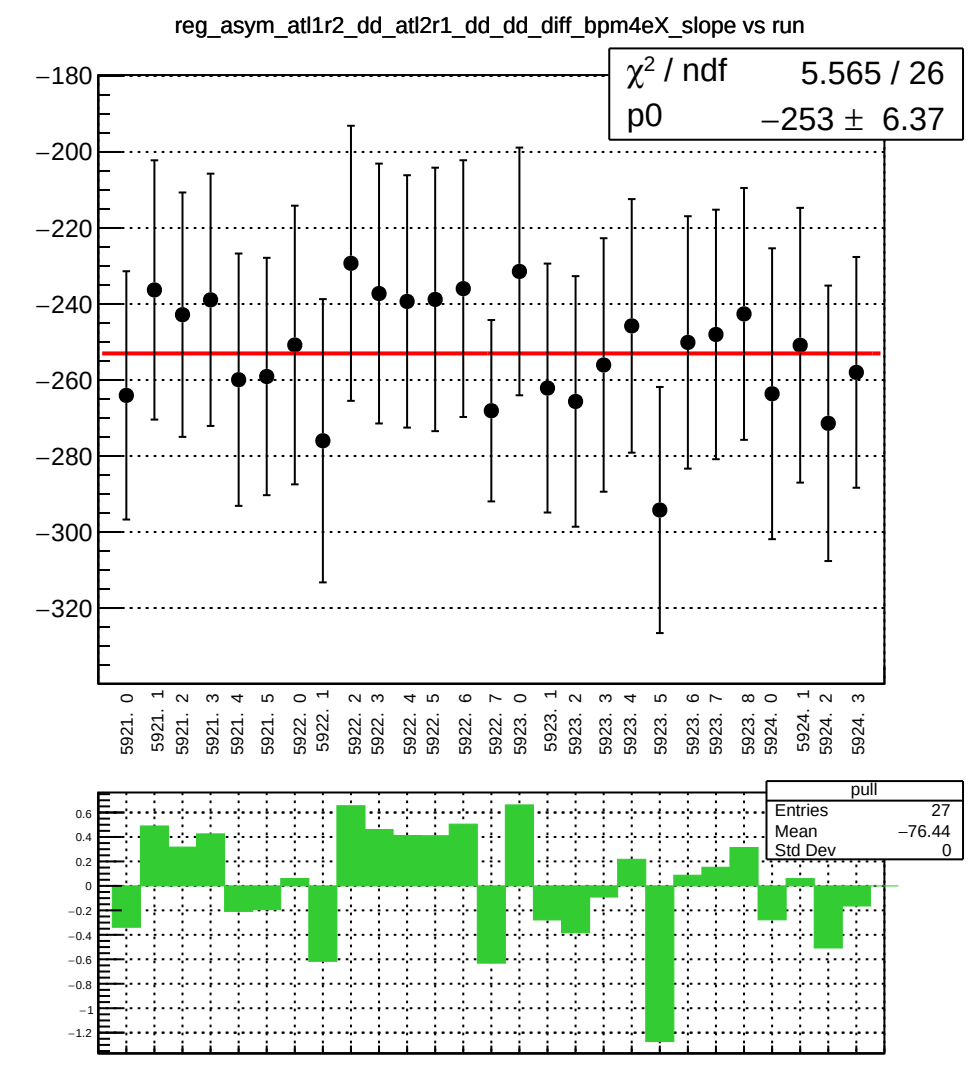

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.253 / 26
p0 −57.91 ± 7.211
20
0
−20
−40
−60
−80
−100
−120
−140
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 90.6
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
pull1D
Entries 27
Mean 0.01795
Std Dev 0.4809
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

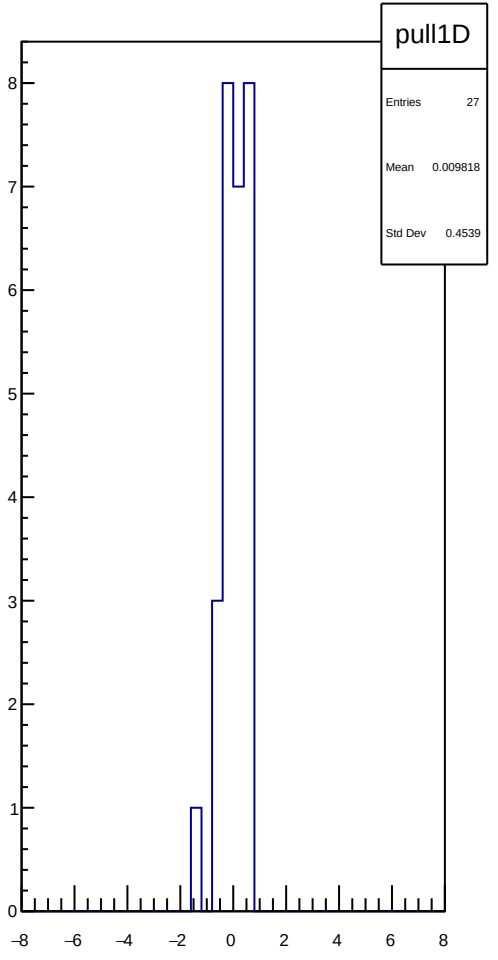

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 7.879 / 26
p0 99.83 ± 0.4928
106
104
102
100
98
96
94
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −329.5
Std Dev 0
1
0.5
0
−0.5
−1

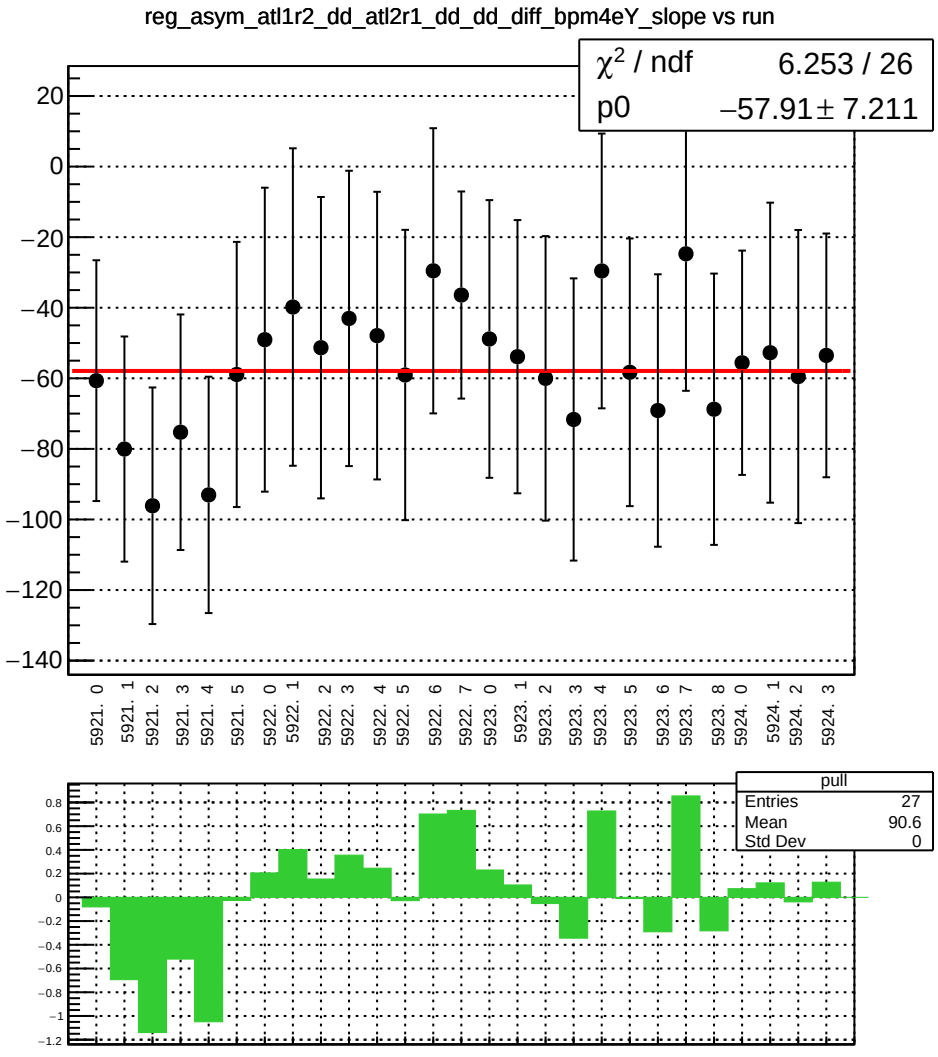

pull1D
Entries 27
Mean −0.00606
Std Dev 0.5402
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

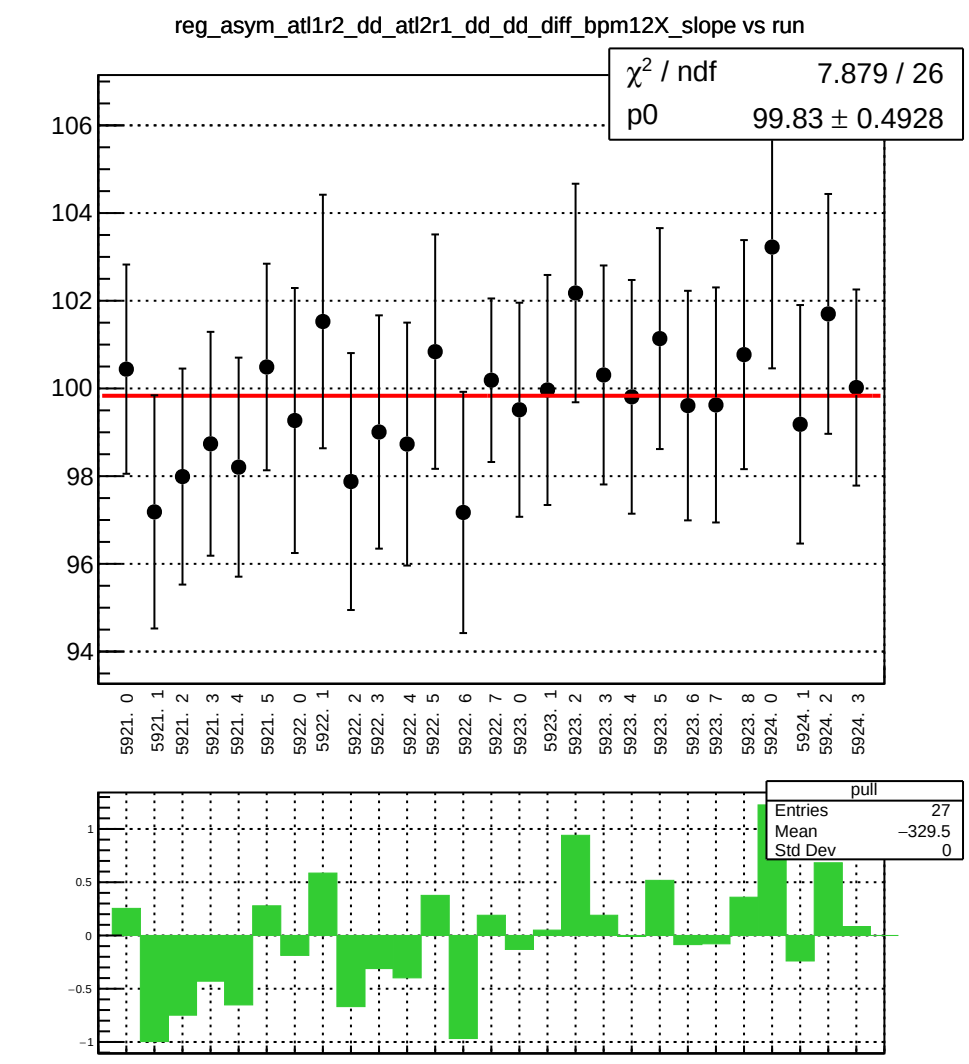

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 5.728 / 26
p0 147.3 ± 4.469
200
180
160
140
120
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −61.62
Std Dev 0
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 27
Mean −0.01304
Std Dev 0.4604
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

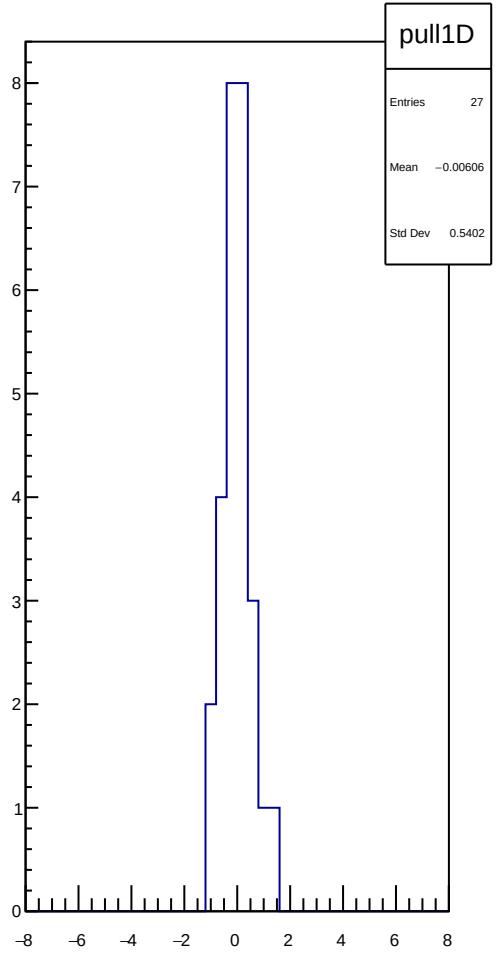

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.883 / 26
p0 −1.844 ± 6.547
60
40
20
0
−20
−40
−60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 89.22
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 27
Mean −0.01606
Std Dev 0.4665
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

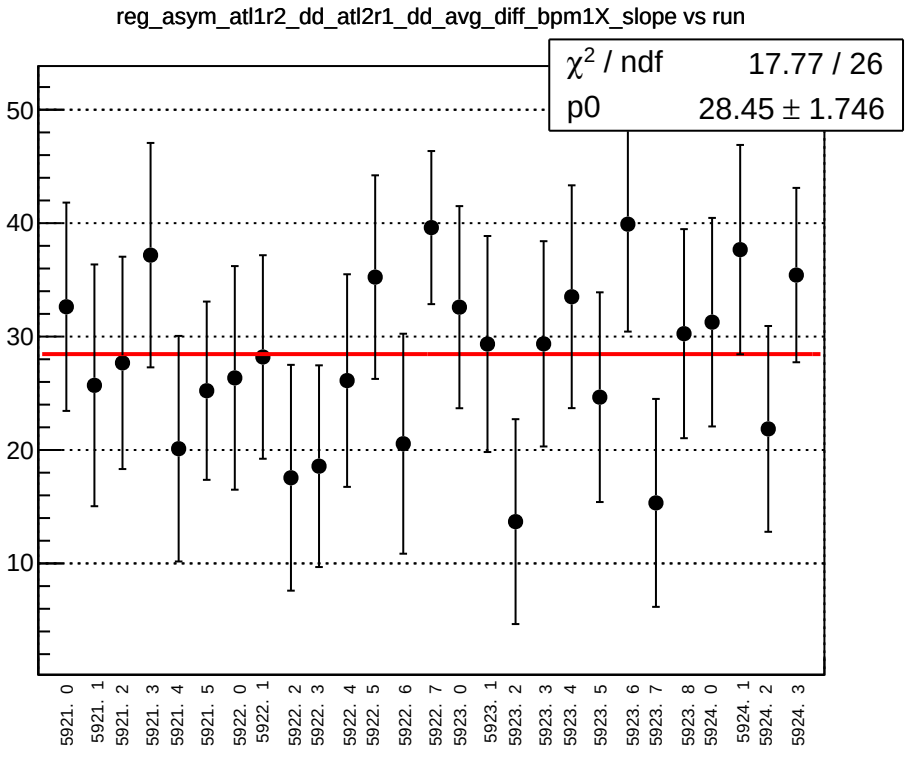

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.565 / 26
p0 −253 ± 6.37
−180
−200
−220
−240
−260
−280
−300
−320
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −76.44
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

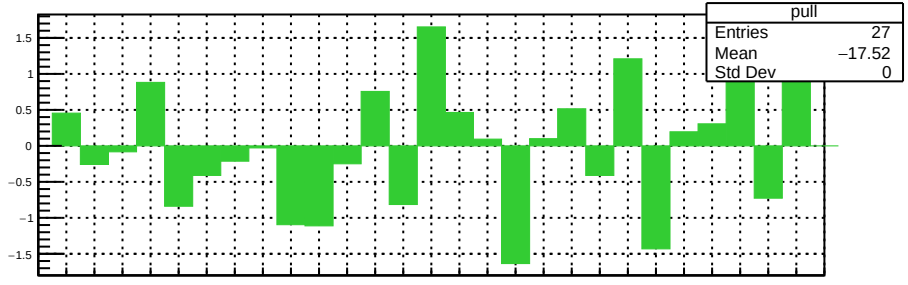

pull1D
Entries 27
Mean 0.009818
Std Dev 0.4539
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

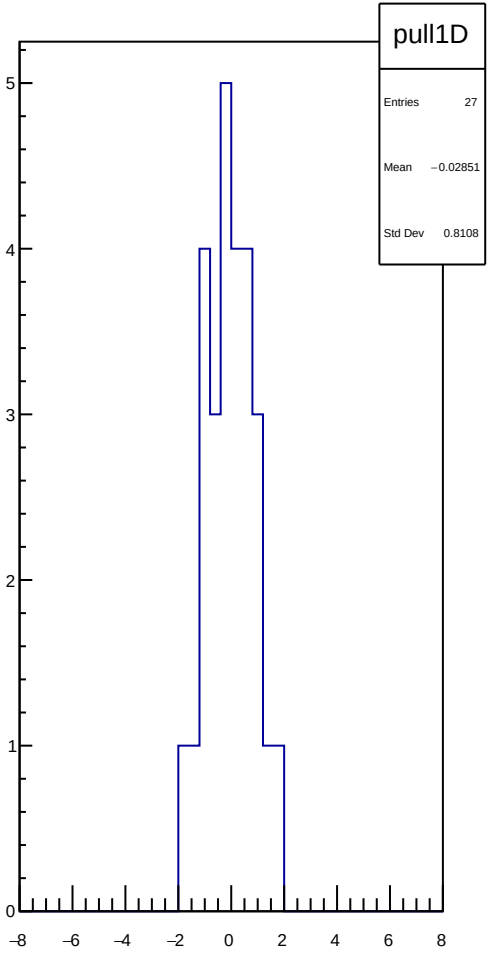

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.253 / 26
p0 −57.91 ± 7.211
pull
Entries 27
Mean 90.6
Std Dev 0
pull1D
Entries 27
Mean 0.01795
Std Dev 0.4809

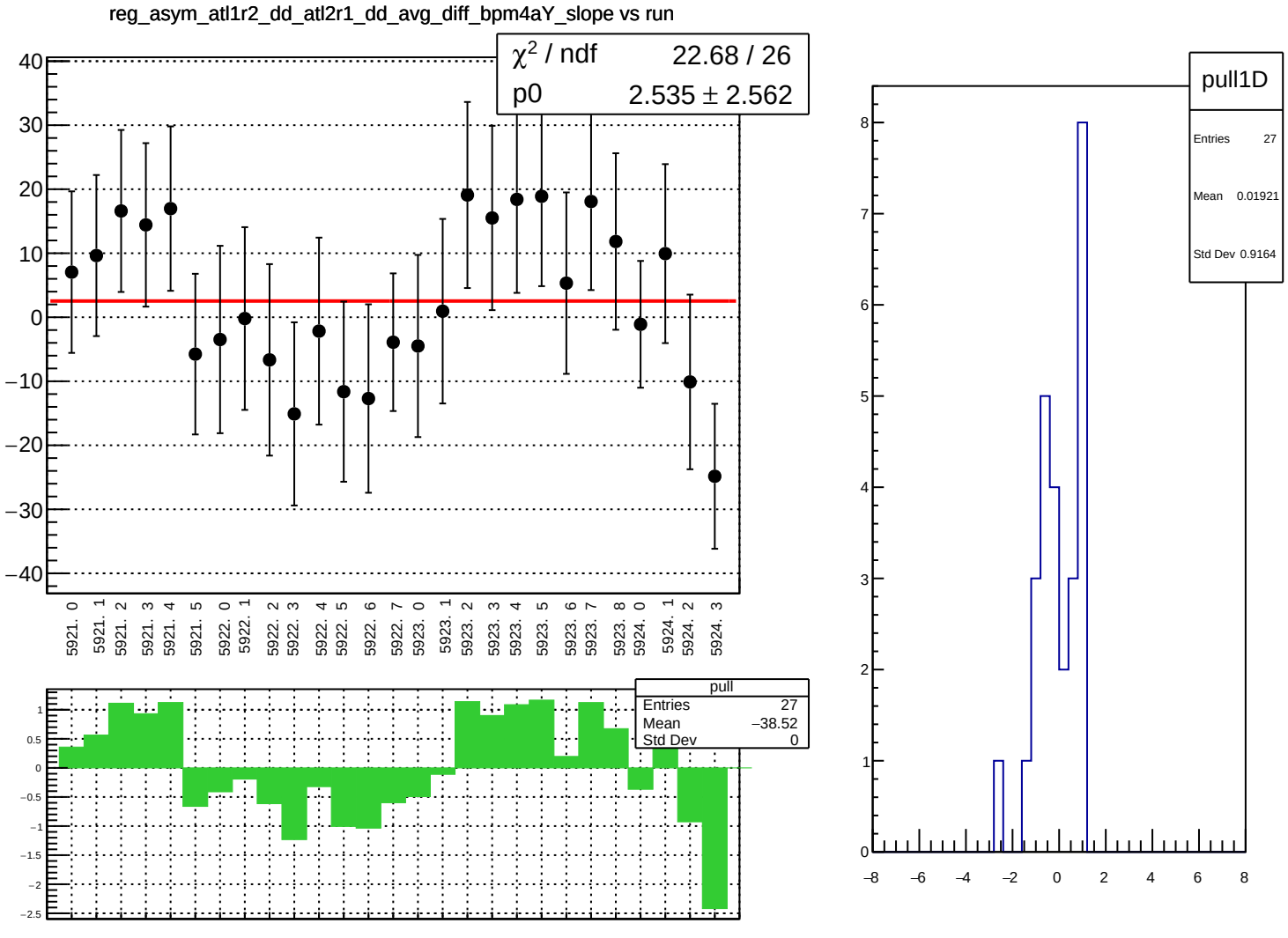

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 7.879 / 26
p0 99.83 ± 0.4928
106
104
102
100
98
96
94
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −329.5
Std Dev 0
1
0.5
0
−0.5
−1

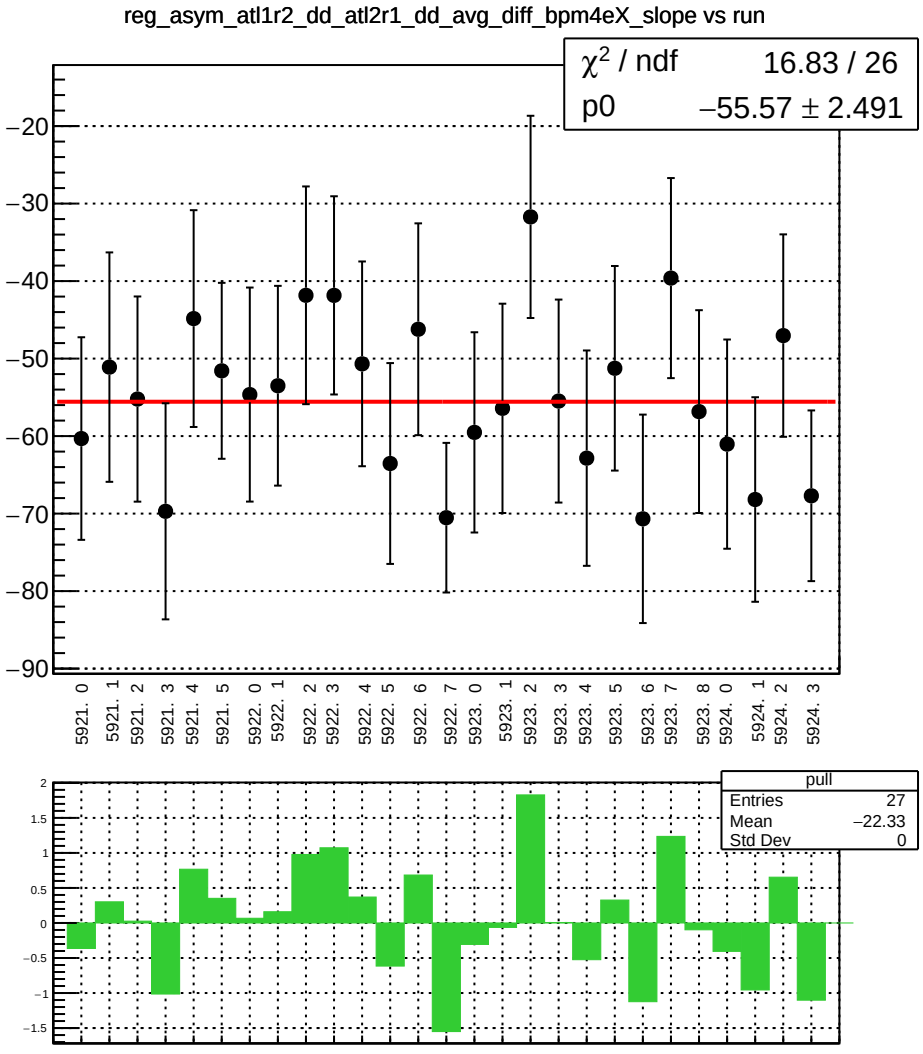

pull1D
Entries 27
Mean −0.00606
Std Dev 0.5402
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

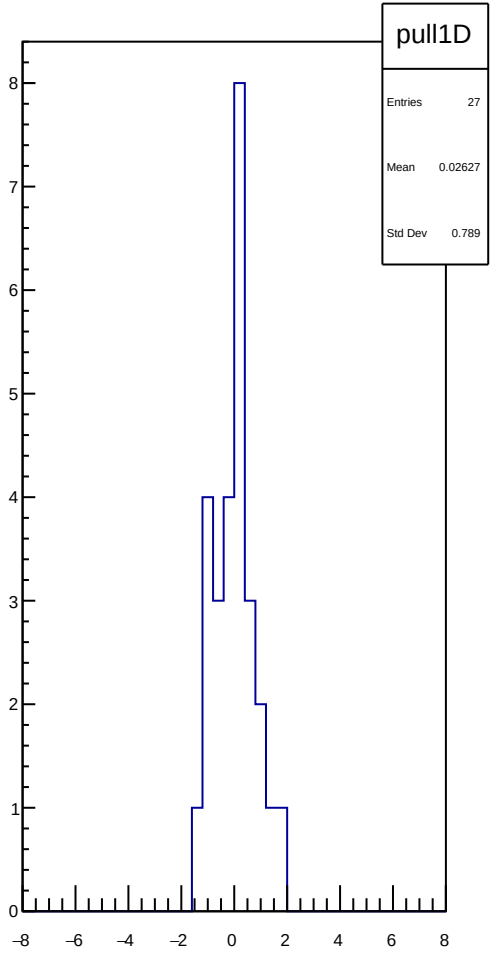

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 17.77 / 26
p0 28.45 ± 1.746
50
40
30
20
10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

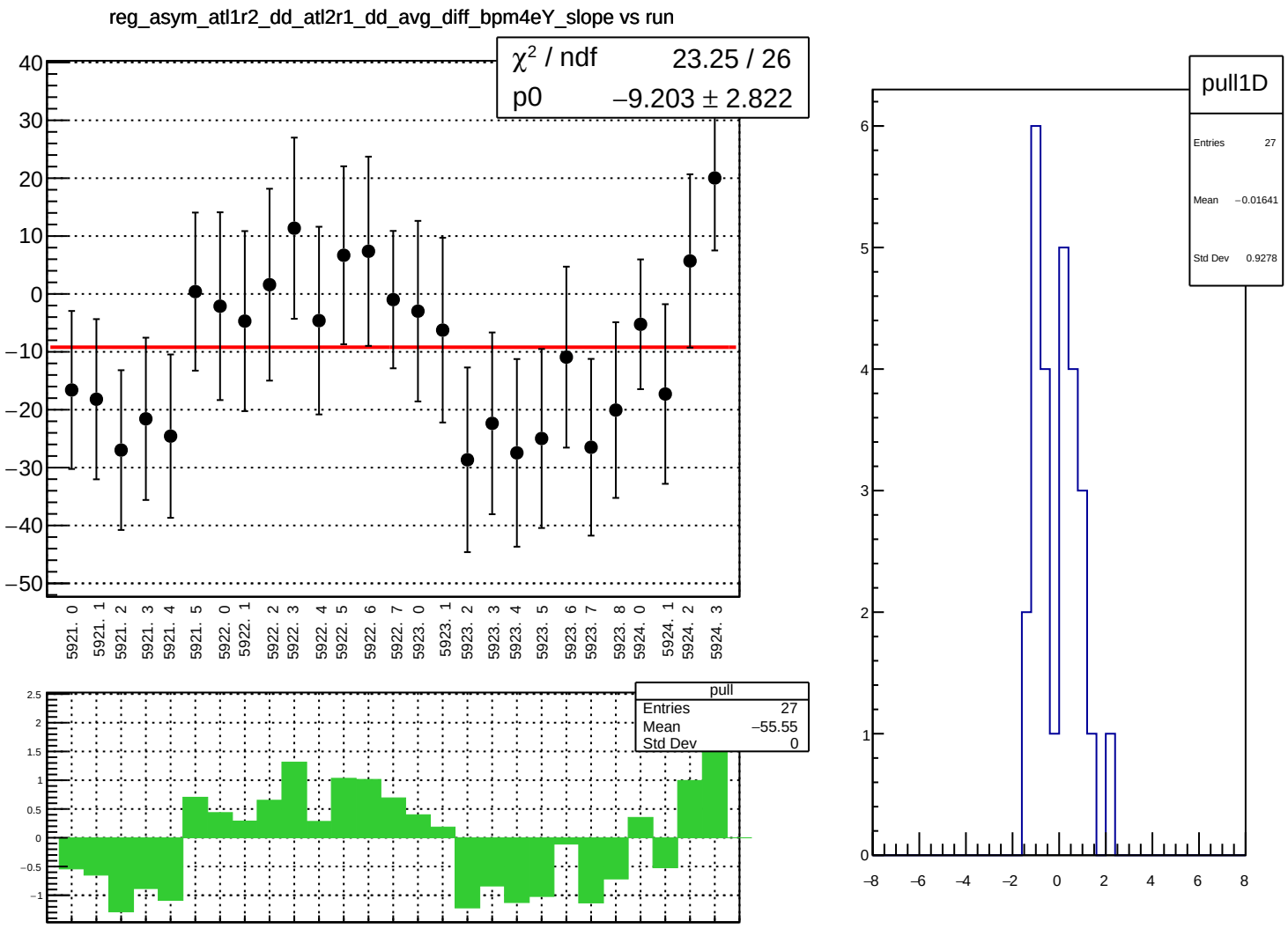

pull
Entries 27
Mean −17.52
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

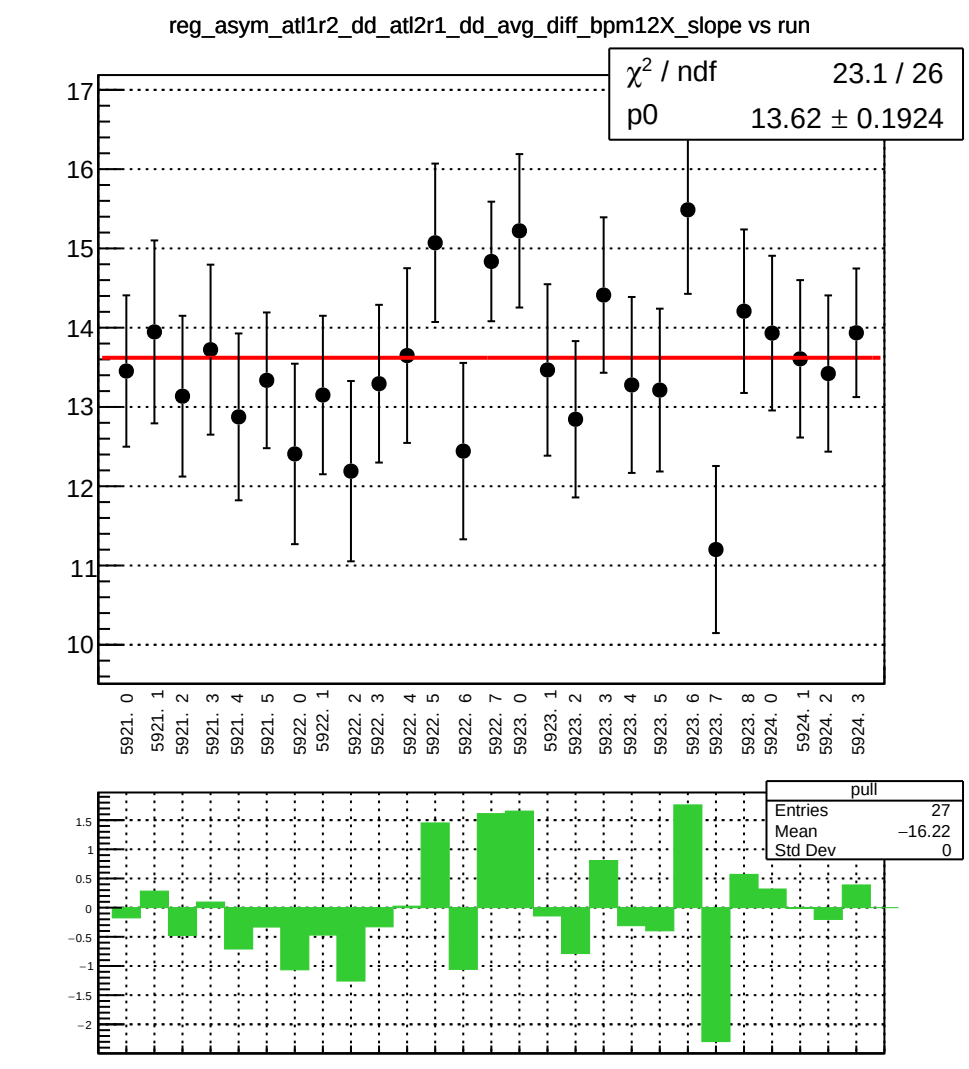

pull1D
Entries 27
Mean −0.02851
Std Dev 0.8108
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

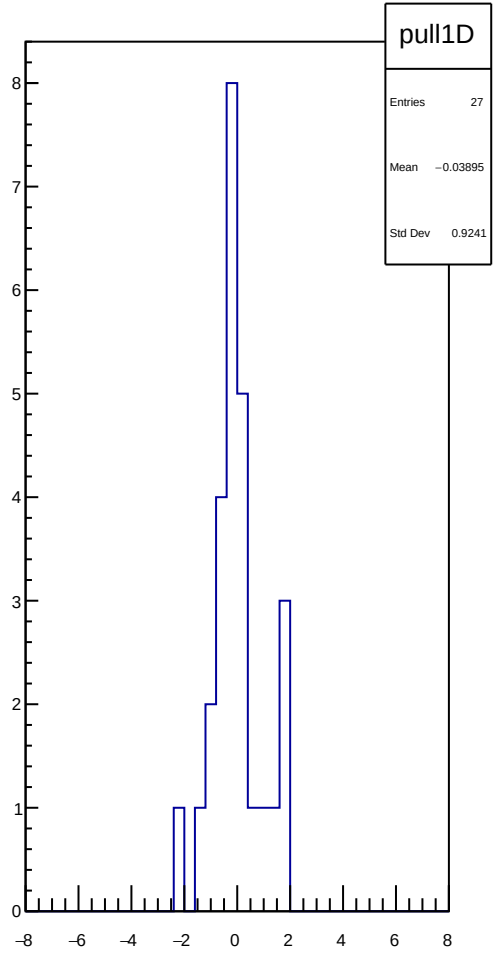

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 22.68 / 26
p0 2.535 ± 2.562
pull
Entries 27
Mean −38.52
Std Dev 0
pull1D
Entries 27
Mean 0.01921
Std Dev 0.9164

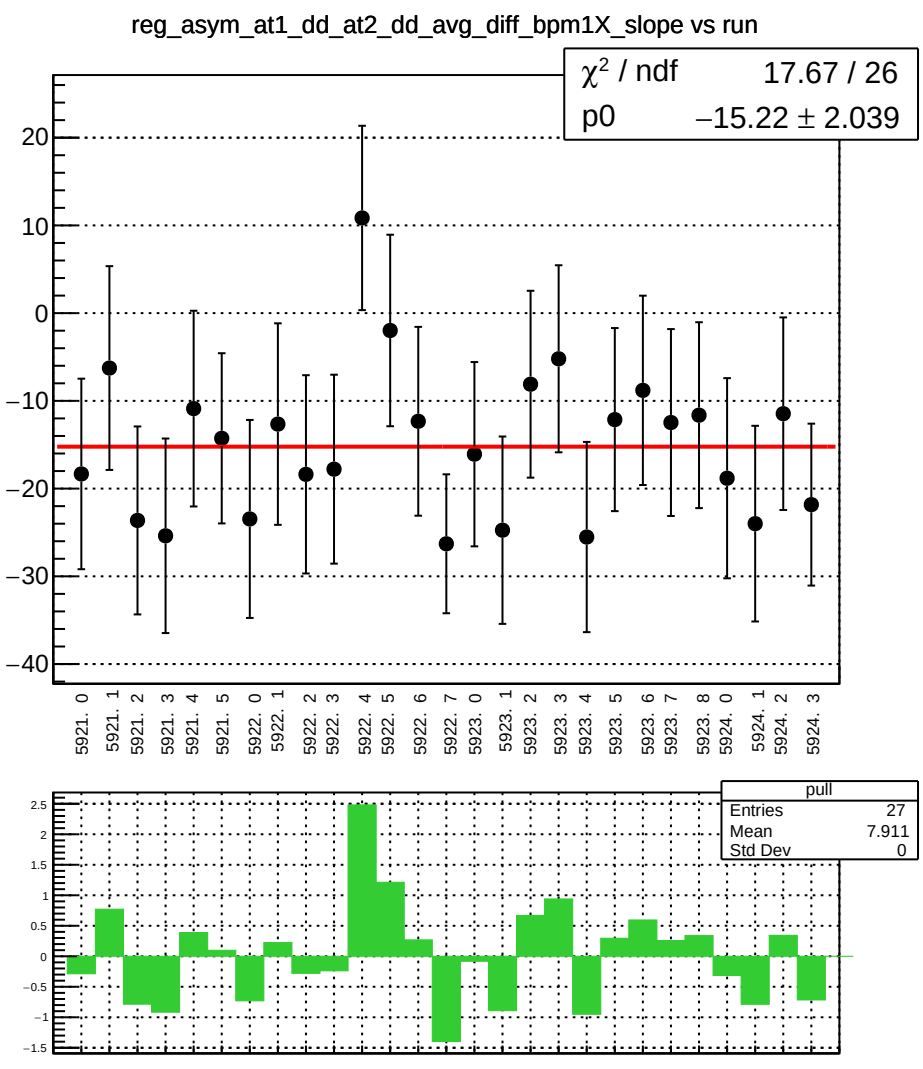

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 16.83 / 26
p0 −55.57 ± 2.491
pull
Entries 27
Mean −22.33
Std Dev 0

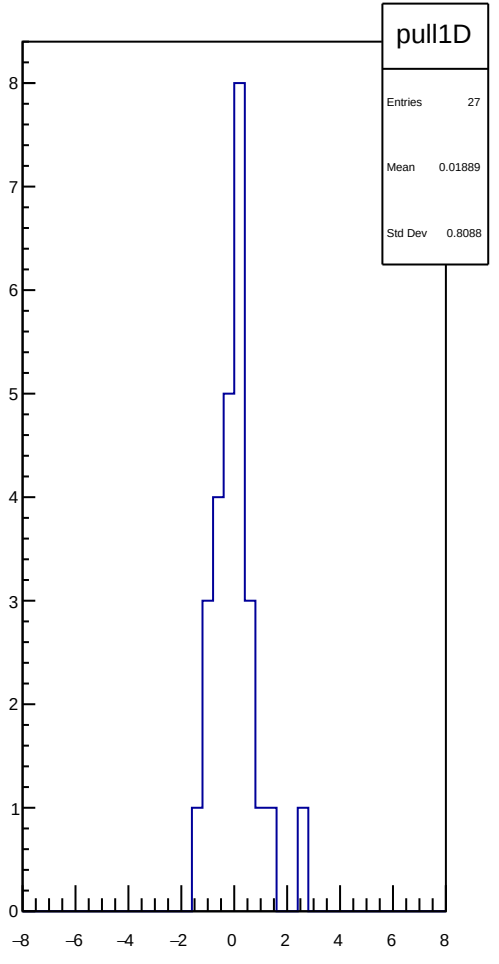

pull1D
Entries 27
Mean 0.02627
Std Dev 0.789

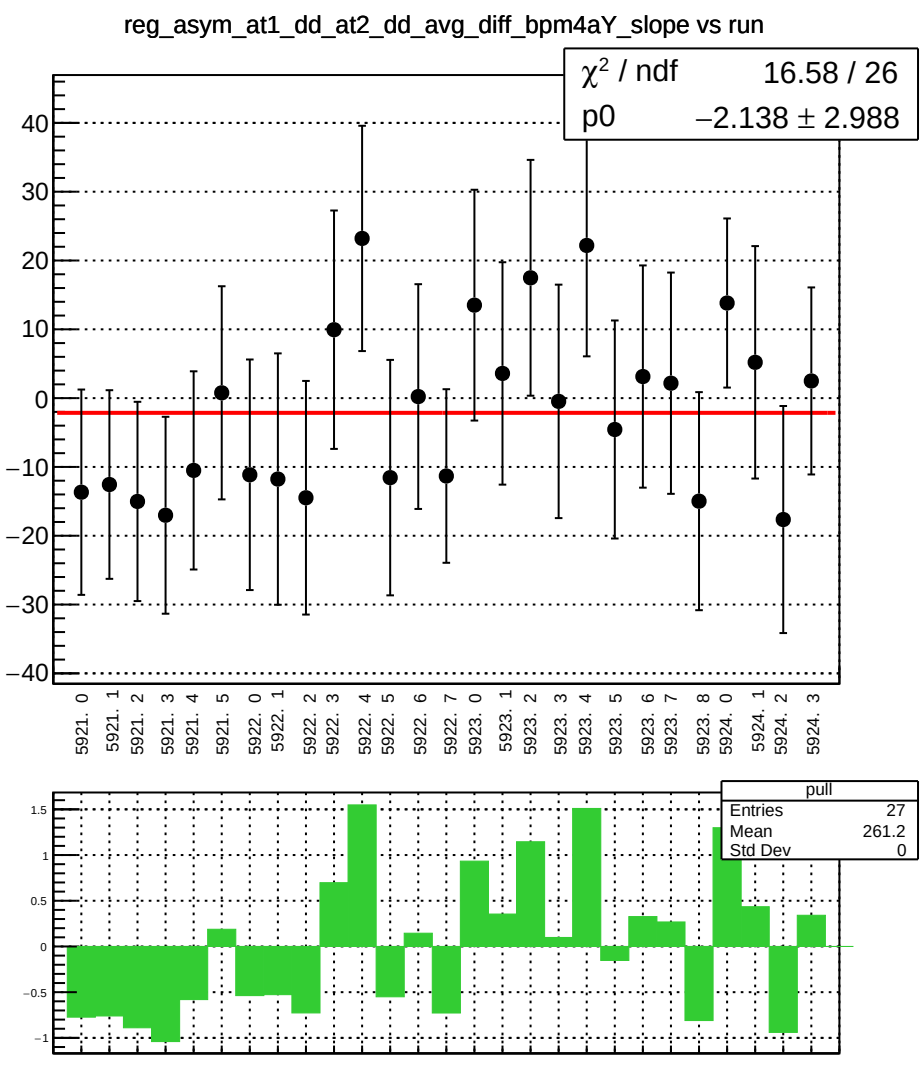

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 23.25 / 26
p0 −9.203 ± 2.822
pull
Entries 27
Mean −55.55
Std Dev 0
pull1D
Entries 27
Mean −0.01641
Std Dev 0.9278

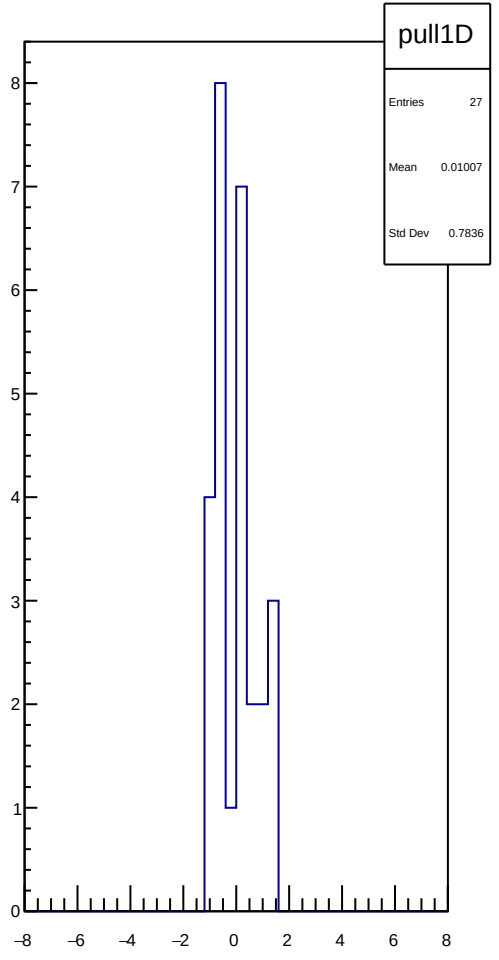

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 23.1 / 26
p0 13.62 ± 0.1924
17
16
15
14
13
12
11
10
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −16.22
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

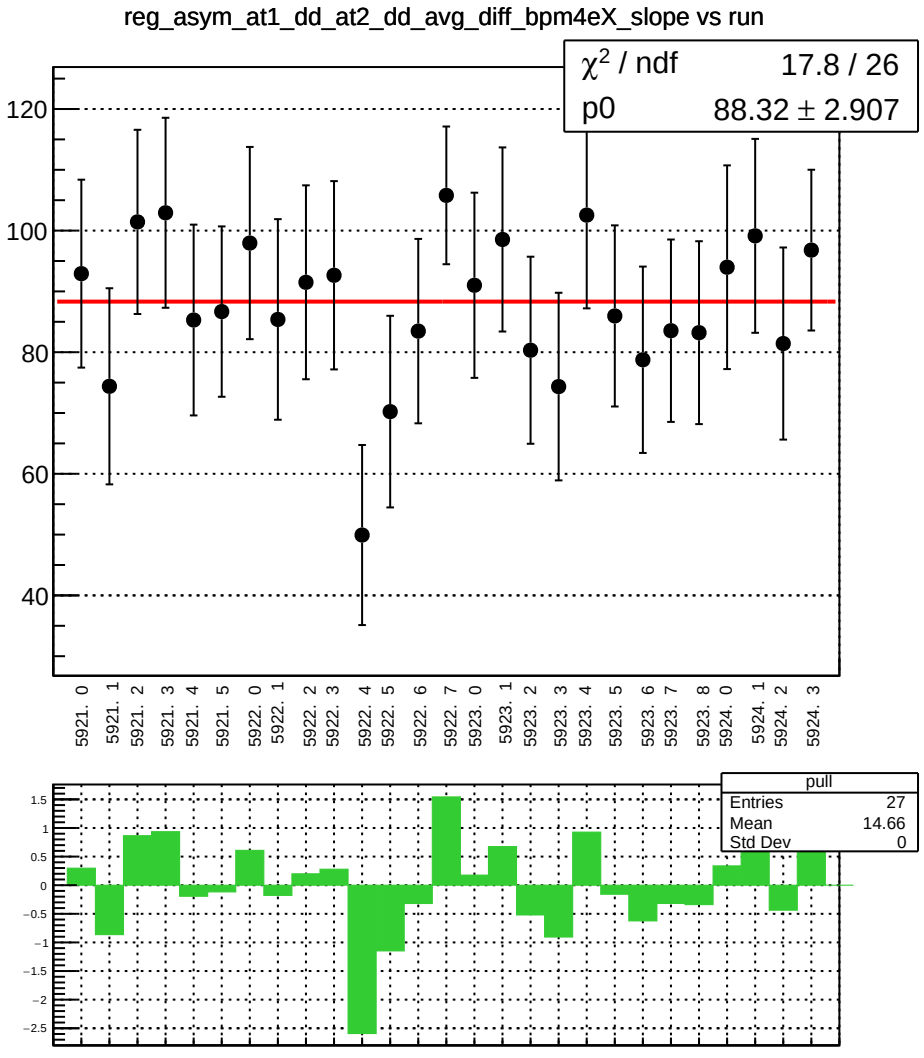

pull1D
Entries 27
Mean −0.03895
Std Dev 0.9241
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

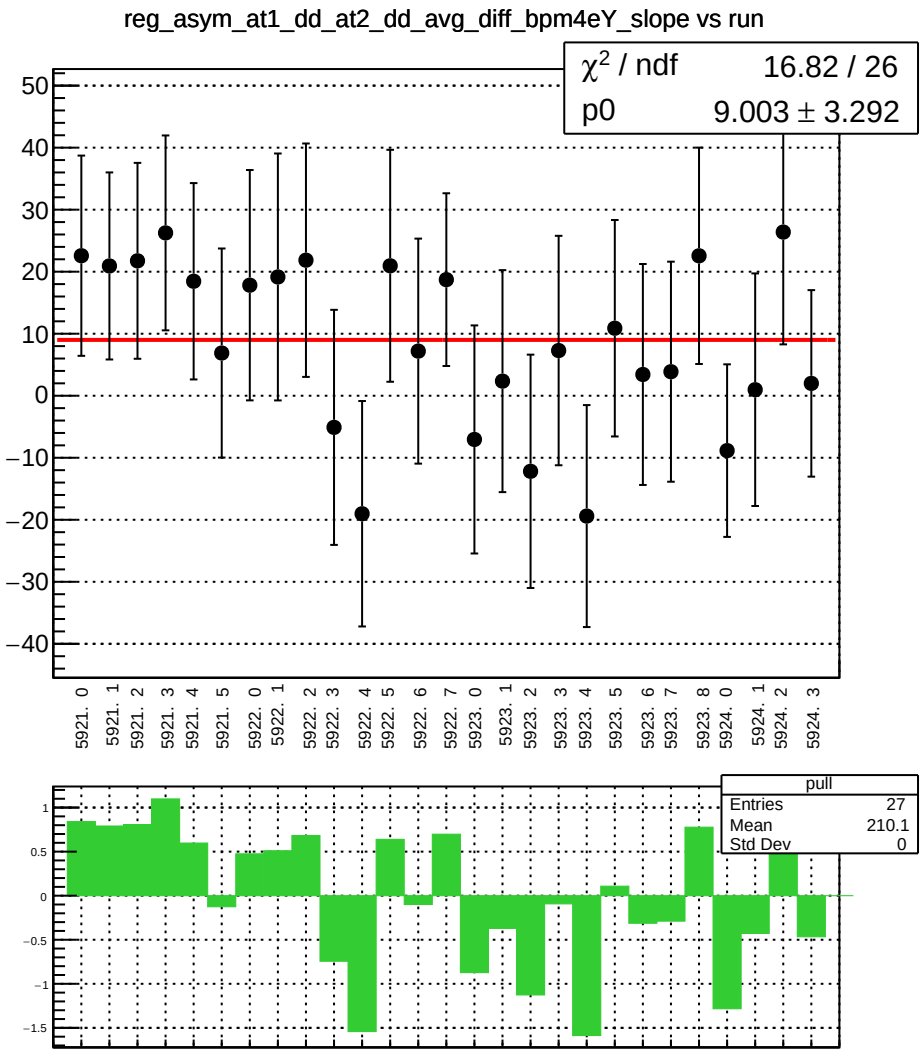

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 17.67 / 26
p0 −15.22 ± 2.039
20
10
0
−10
−20
−30
−40
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 7.911
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

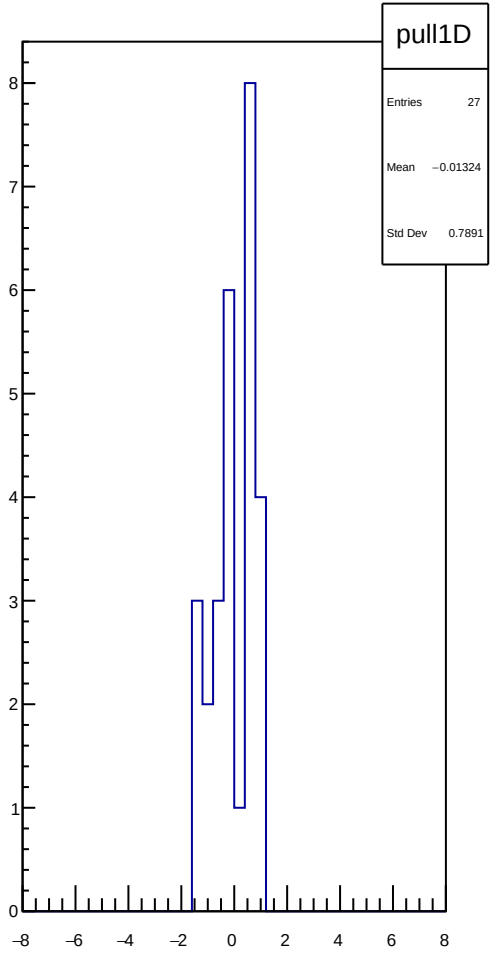

pull1D
Entries 27
Mean 0.01889
Std Dev 0.8088
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

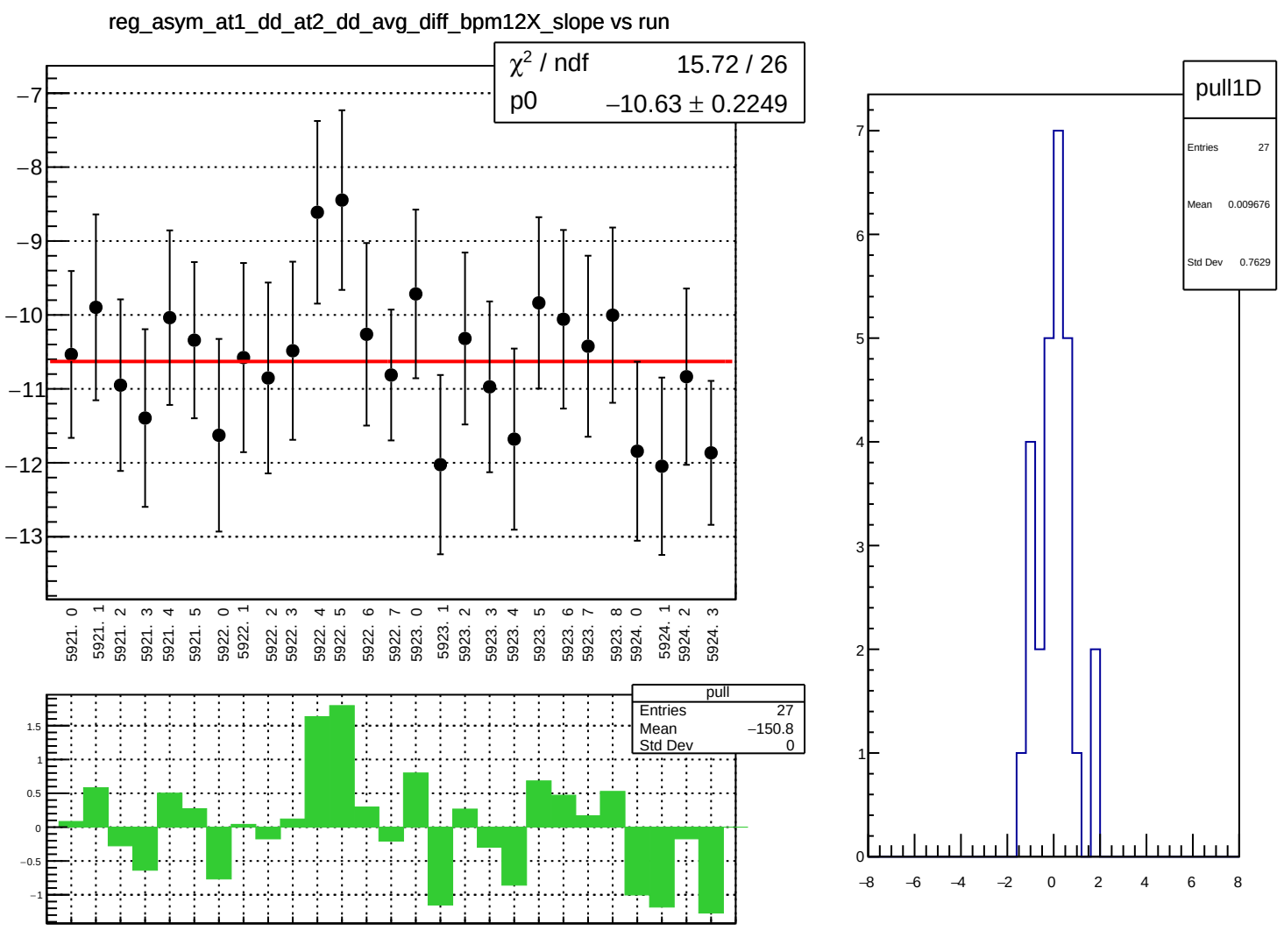

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 16.58 / 26
p0 −2.138 ± 2.988
pull
Entries 27
Mean 261.2
Std Dev 0

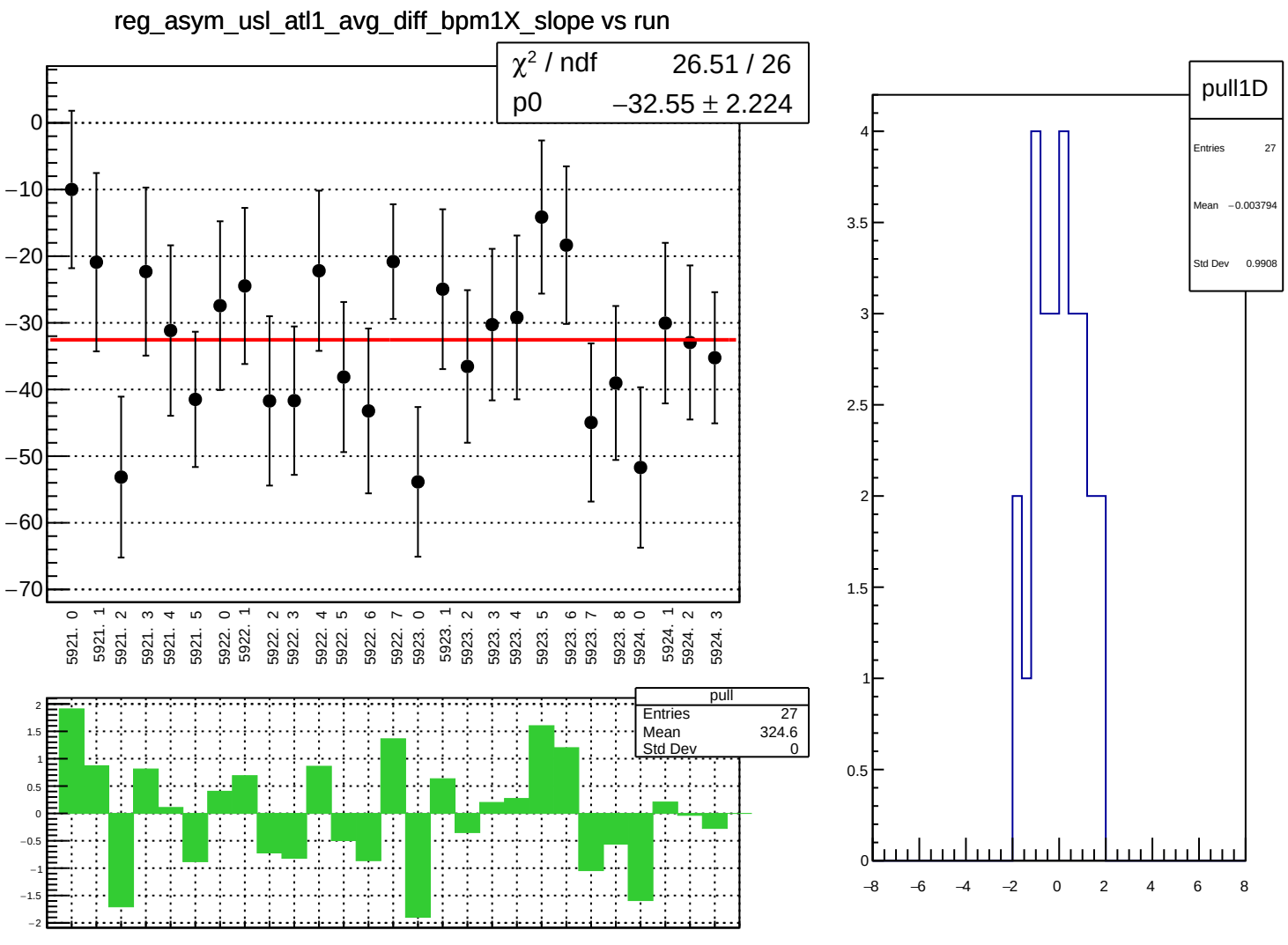

pull1D
Entries 27
Mean 0.01007
Std Dev 0.7836

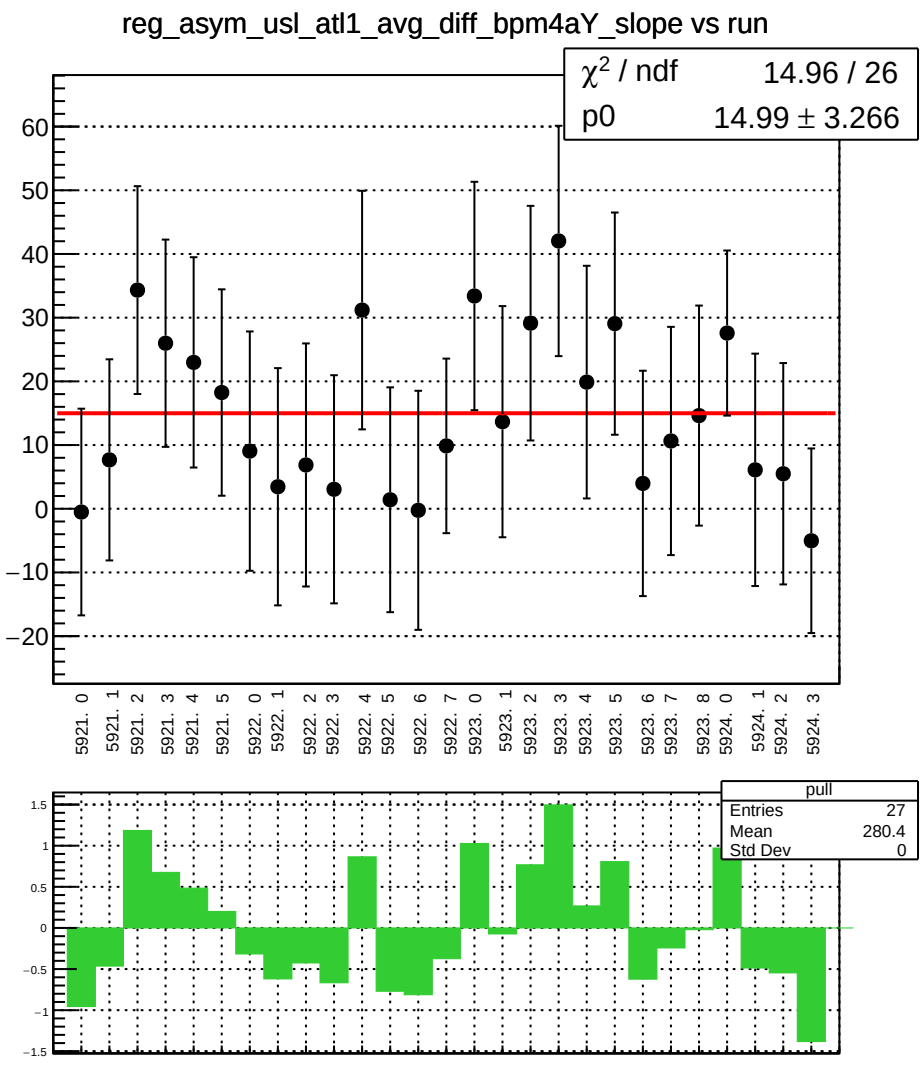

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 17.8 / 26
p0 88.32 ± 2.907
120
100
80
60
40
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 14.66
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean −0.02039
Std Dev 0.8116
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

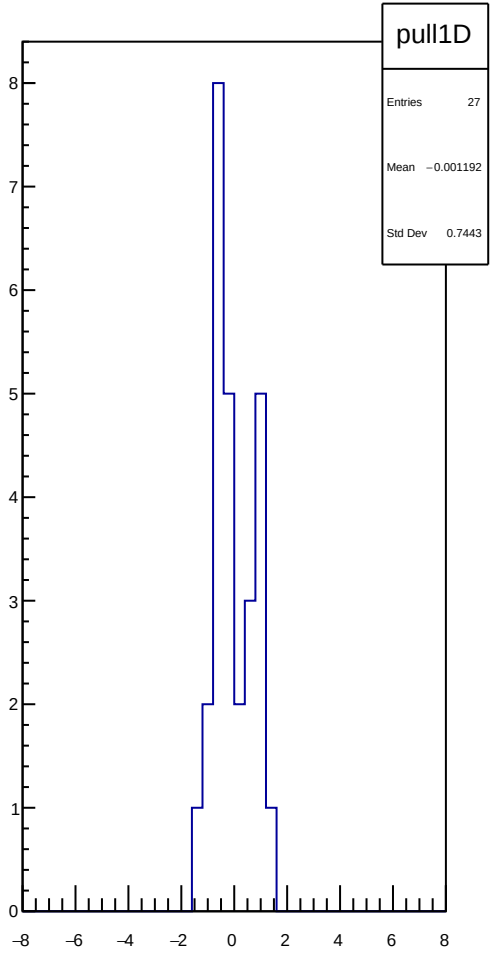

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 16.82 / 26
p0 9.003 ± 3.292
pull
Entries 27
Mean 210.1
Std Dev 0

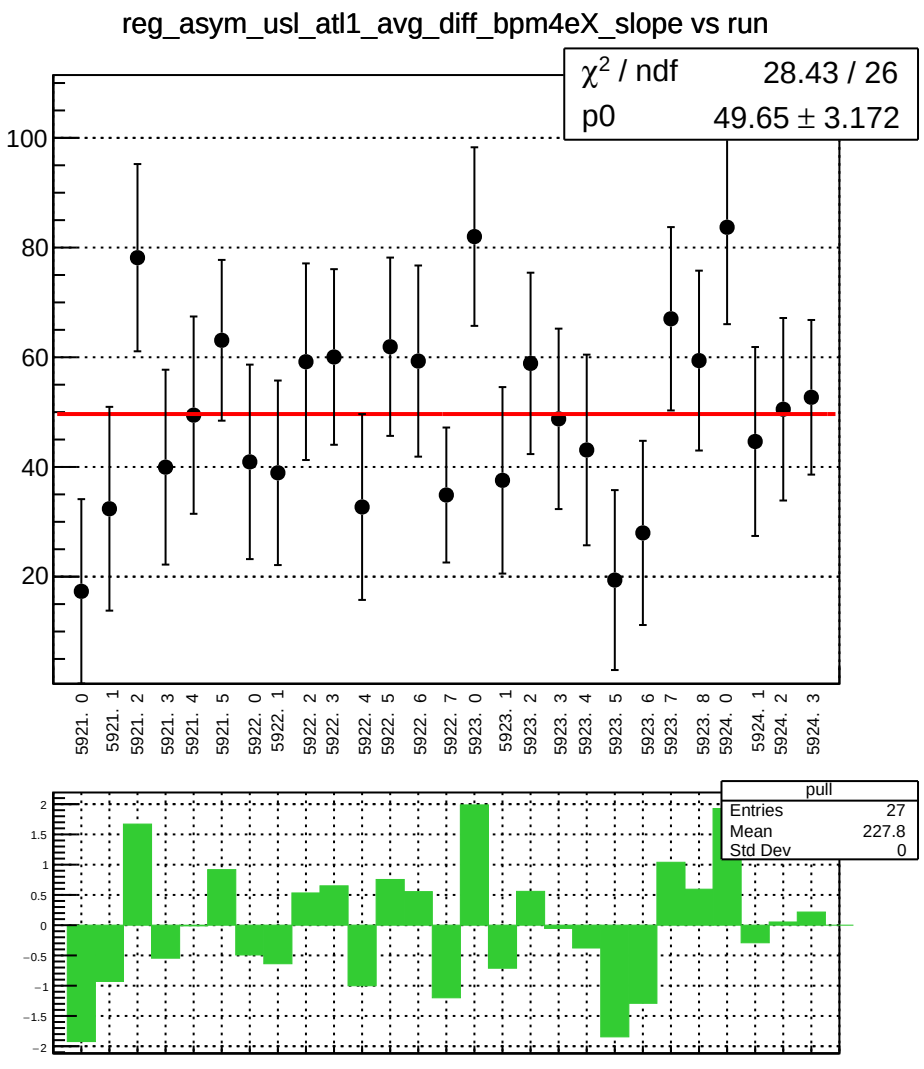

pull1D
Entries 27
Mean −0.01324
Std Dev 0.7891

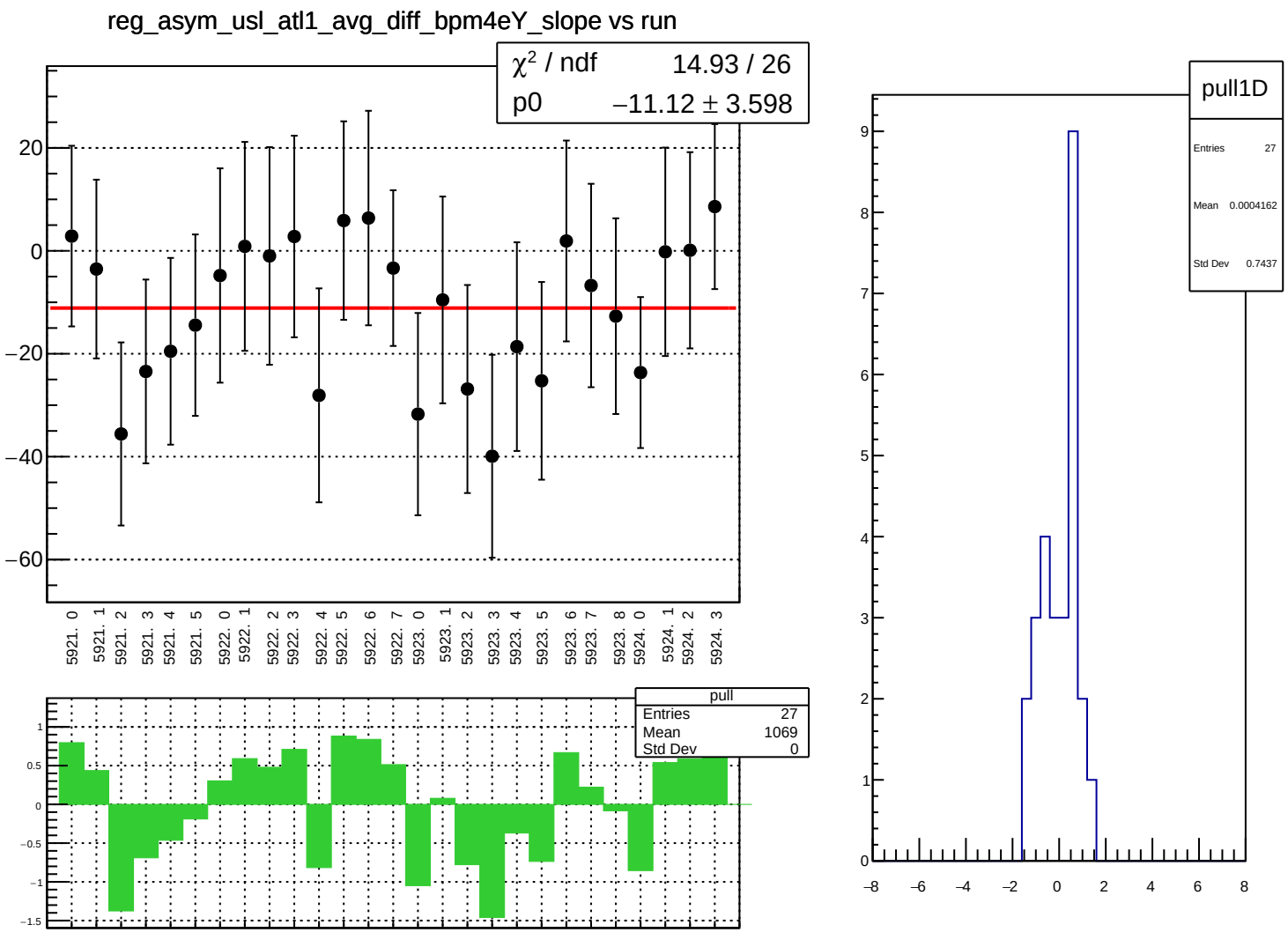

reg_asym_at1_dd_at2_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 15.72 / 26
p0 −10.63 ± 0.2249
pull
Entries 27
Mean −150.8
Std Dev 0
pull1D
Entries 27
Mean 0.009676
Std Dev 0.7629

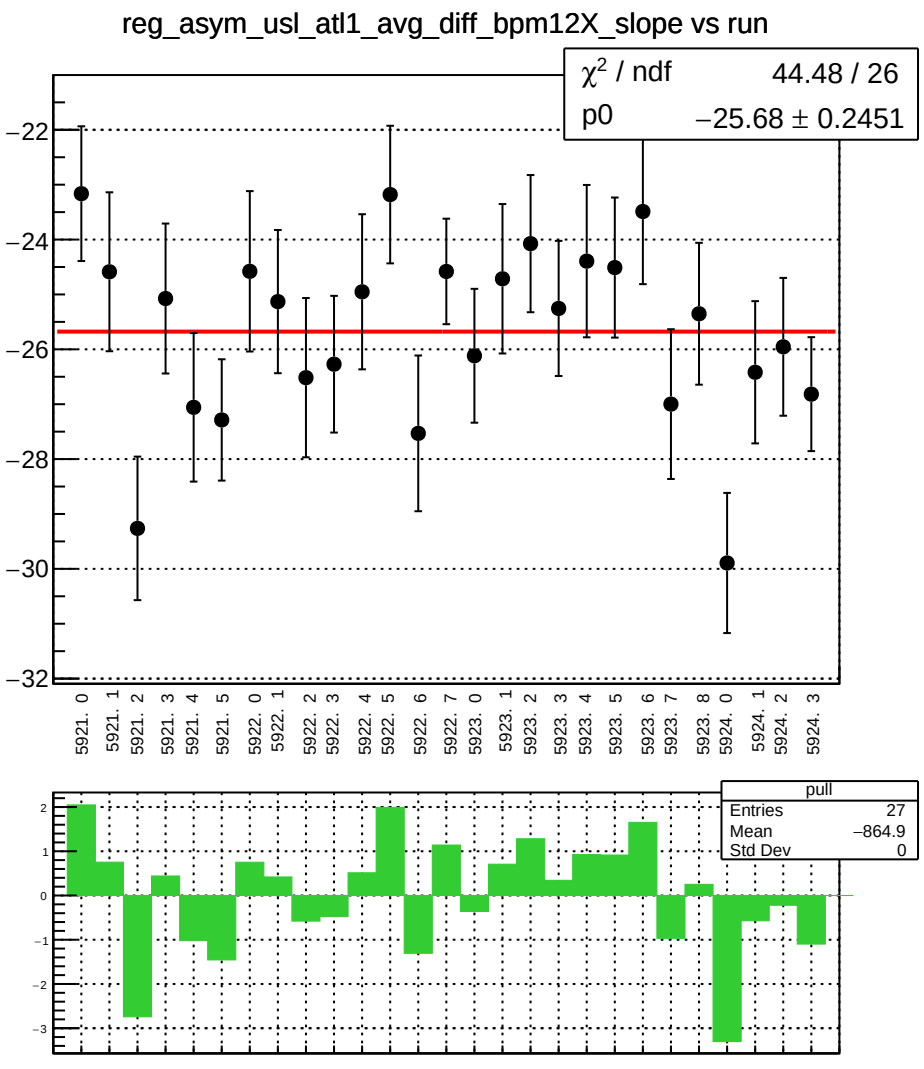

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs run
χ² / ndf 26.51 / 26
p0 −32.55 ± 2.224
0
−10
−20
−30
−40
−50
−60
−70
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 324.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.003794
Std Dev 0.9908
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

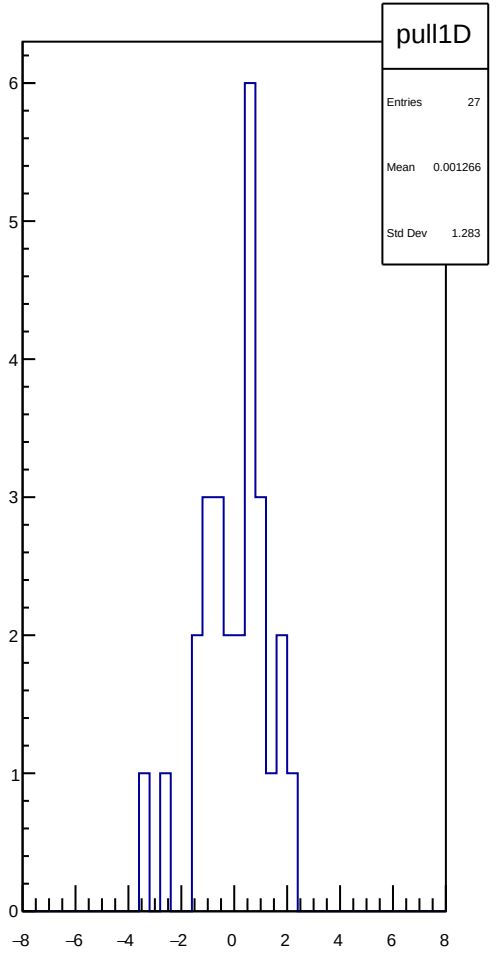

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs run
χ² / ndf 14.96 / 26
p0 14.99 ± 3.266
pull
Entries 27
Mean 280.4
Std Dev 0

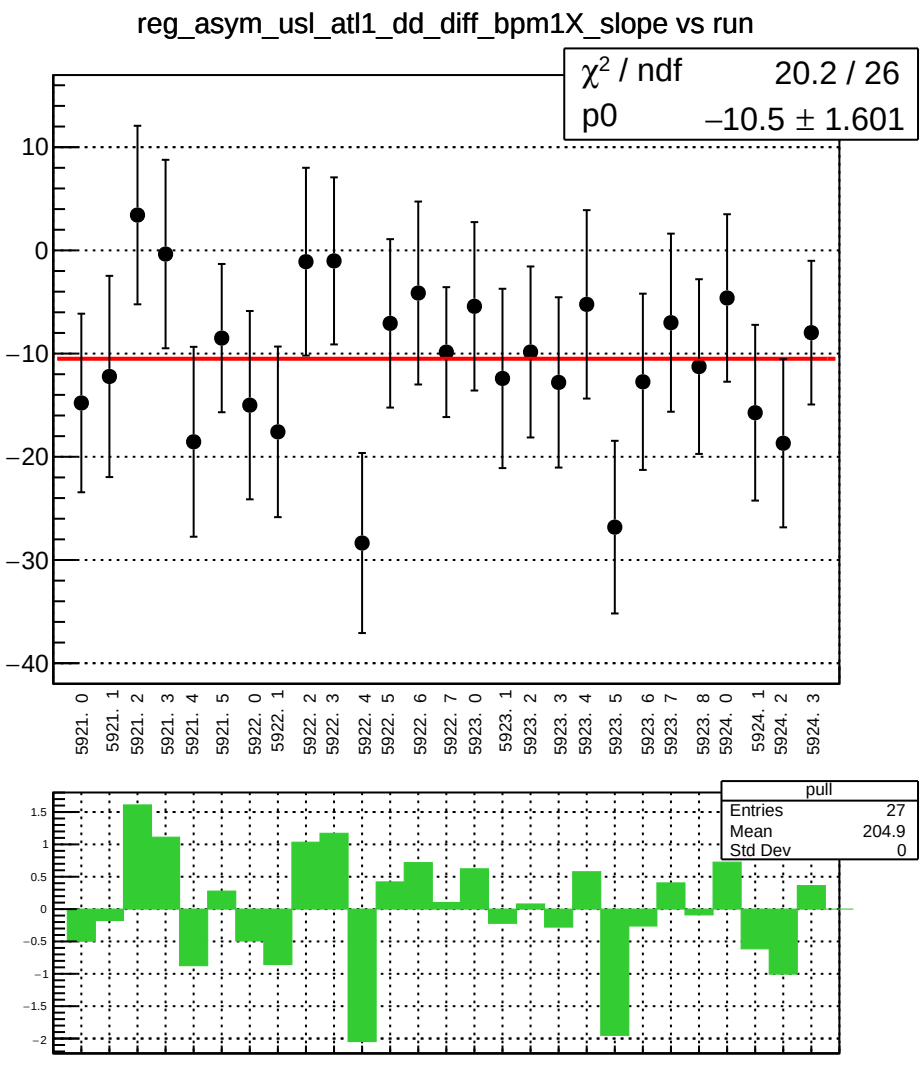

pull1D
Entries 27
Mean −0.001192
Std Dev 0.7443

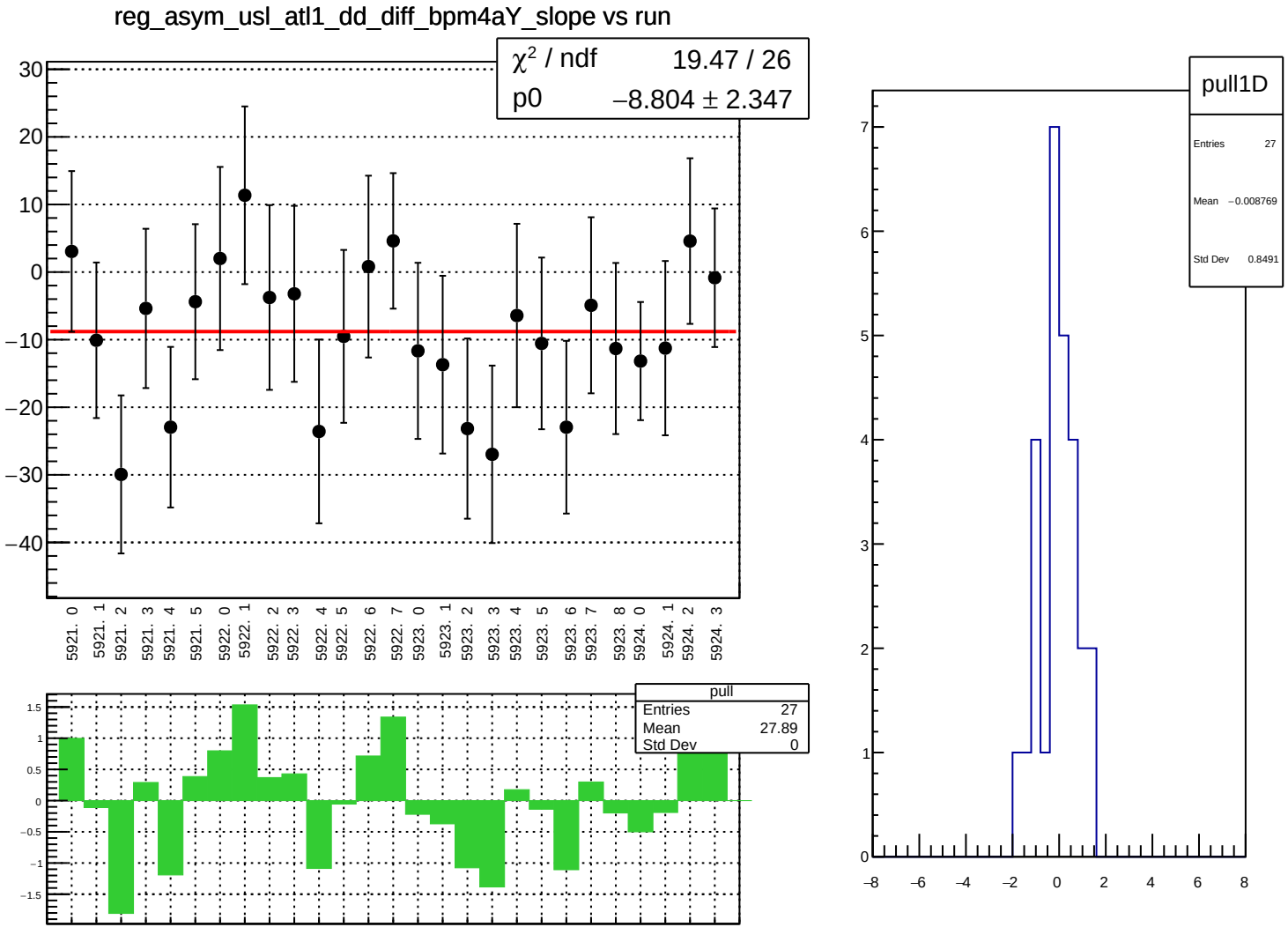

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs run
χ² / ndf 28.43 / 26
p0 49.65 ± 3.172
100
80
60
40
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 227.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean 0.005556
Std Dev 1.026
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

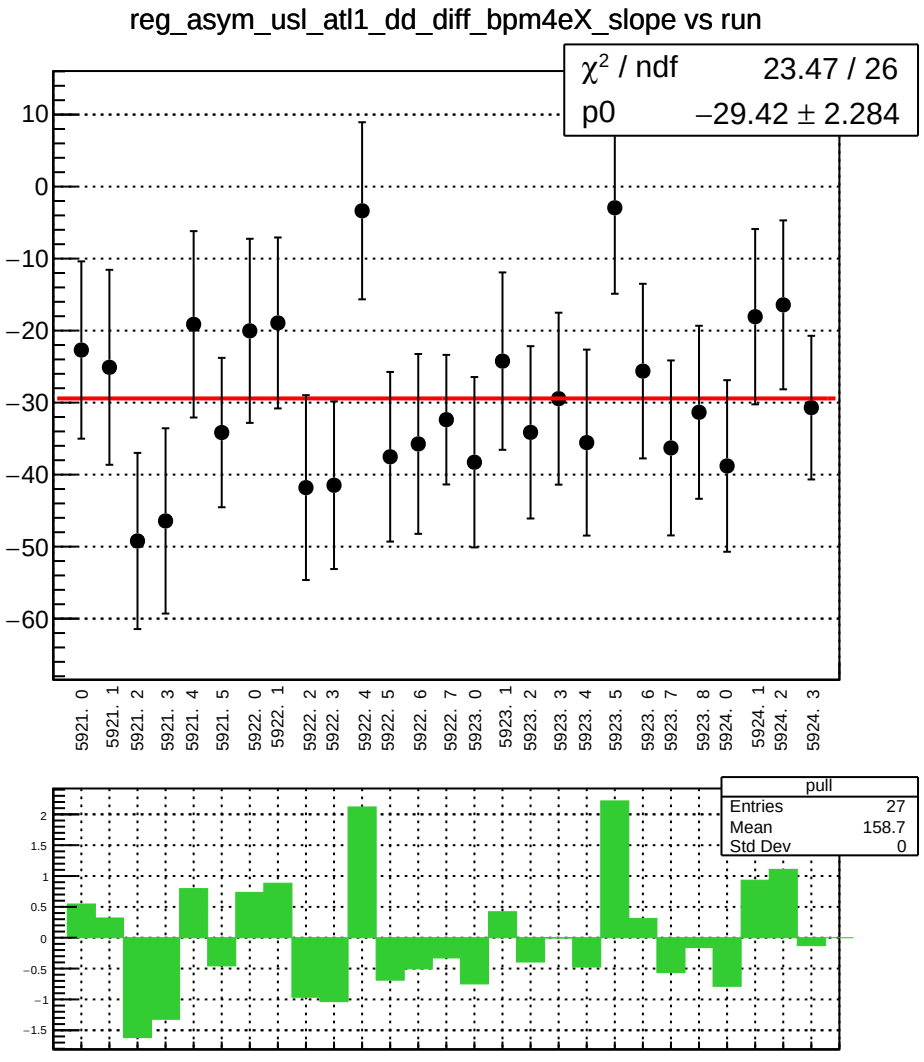

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs run
χ² / ndf 14.93 / 26
p0 −11.12 ± 3.598
20
0
−20
−40
−60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 1069
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.0004162
Std Dev 0.7437
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

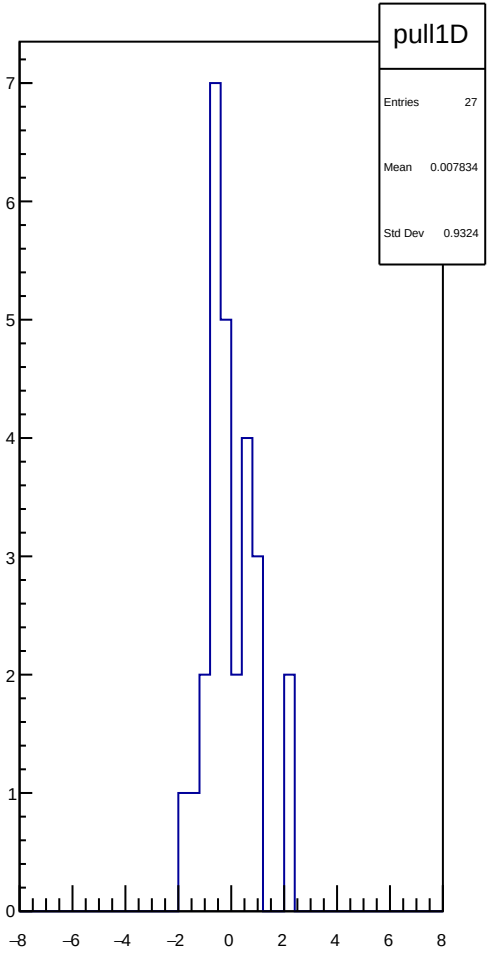

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs run
χ² / ndf 44.48 / 26
p0 −25.68 ± 0.2451
−22
−24
−26
−28
−30
−32
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −864.9
Std Dev 0
2
1
0
−1
−2
−3

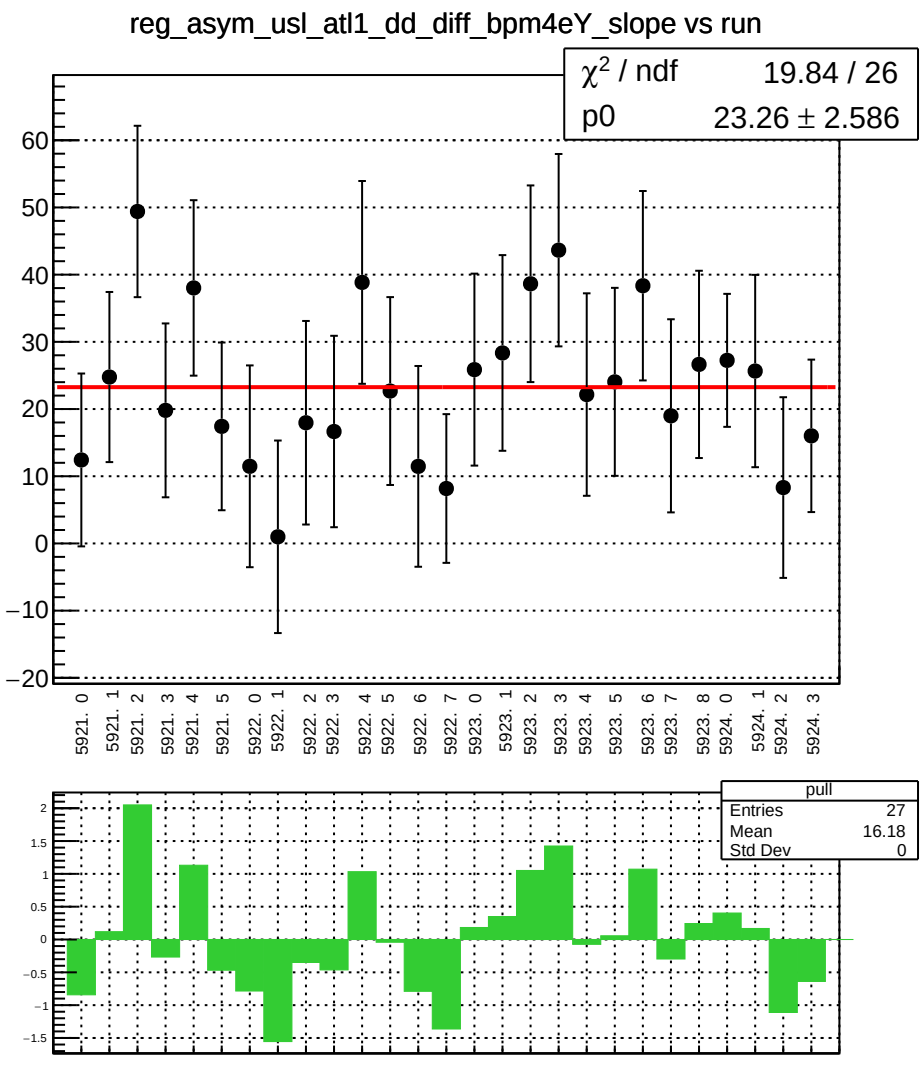

pull1D
Entries 27
Mean 0.001266
Std Dev 1.283
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

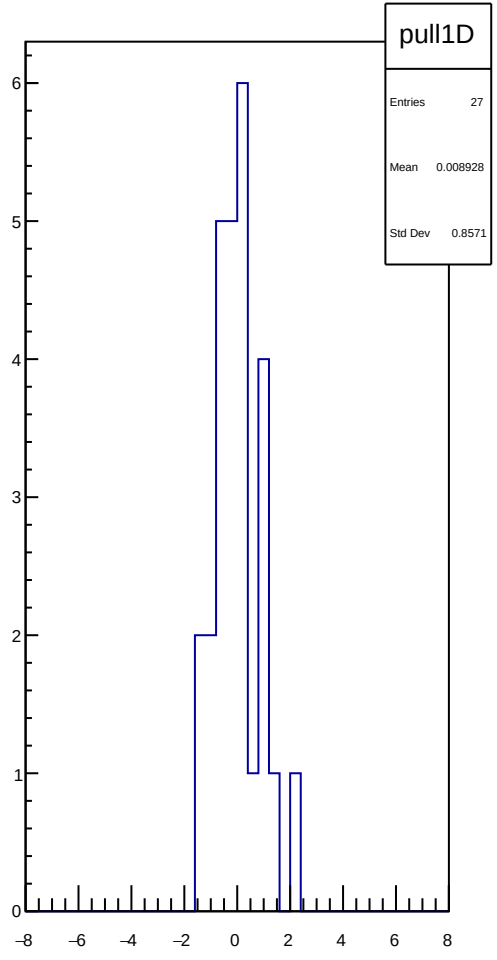

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs run
χ² / ndf 20.2 / 26
p0 −10.5 ± 1.601
10
0
−10
−20
−30
−40
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 204.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.005234
Std Dev 0.8649
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

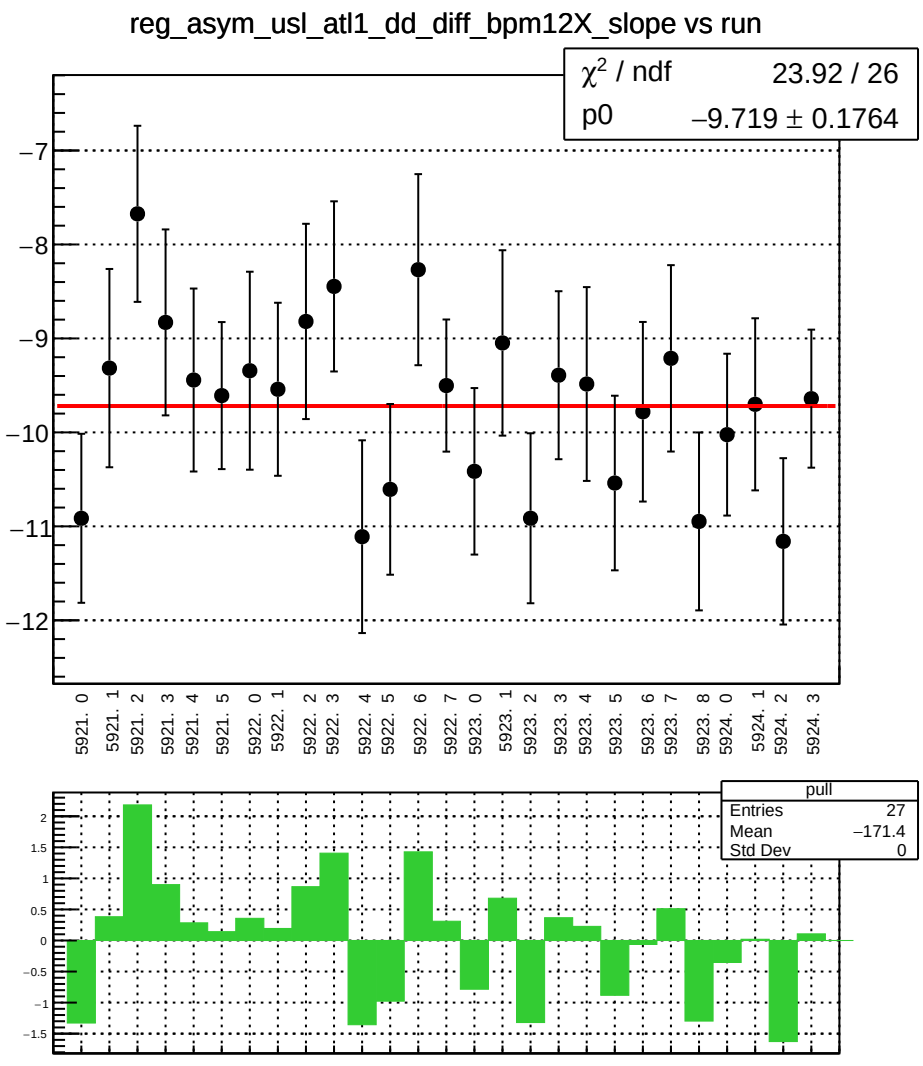

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs run
χ² / ndf 19.47 / 26
p0 −8.804 ± 2.347
30
20
10
0
−10
−20
−30
−40
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 27.89
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.008769
Std Dev 0.8491
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

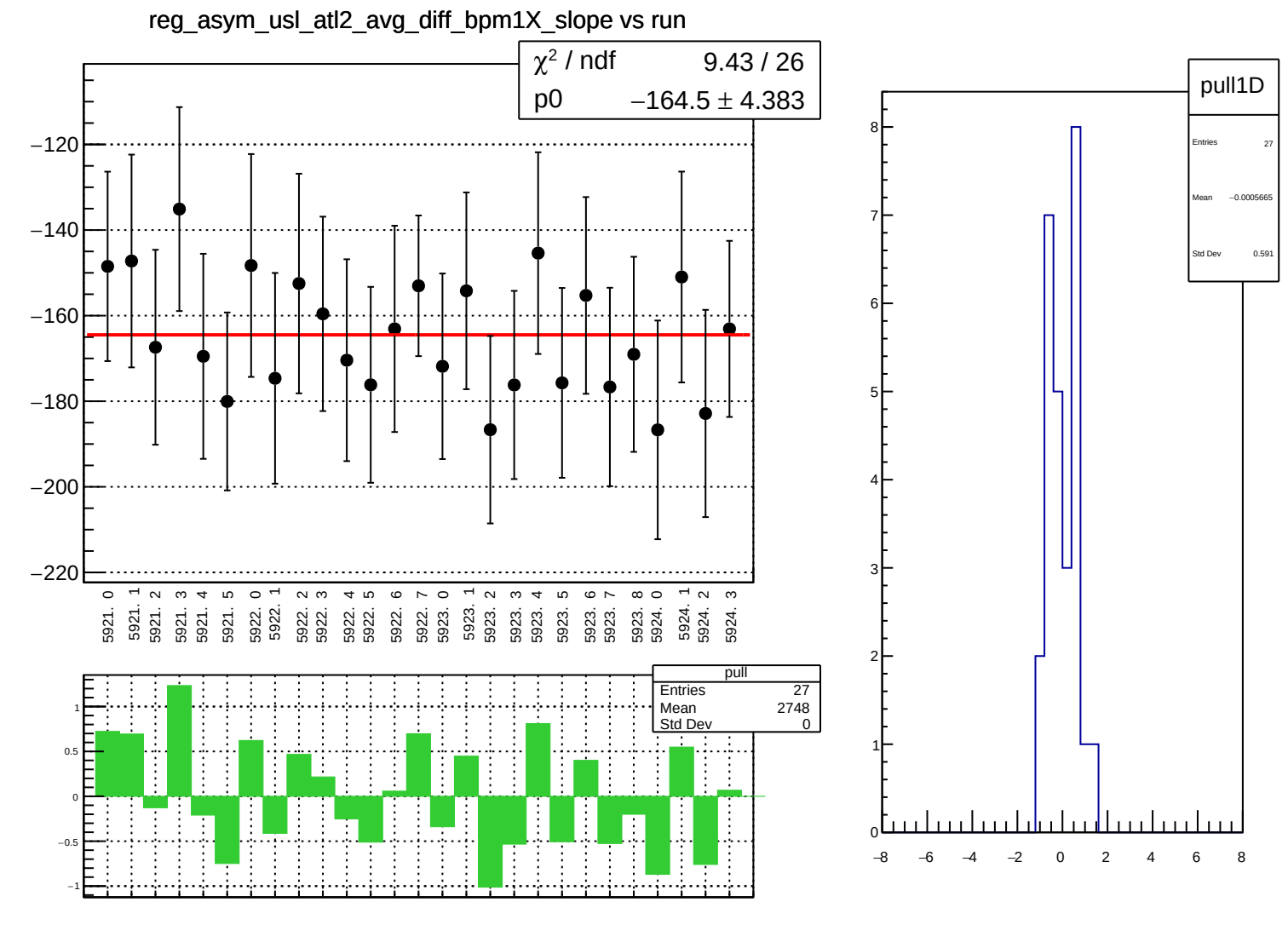

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs run
χ² / ndf 23.47 / 26
p0 −29.42 ± 2.284
10
0
−10
−20
−30
−40
−50
−60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 158.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

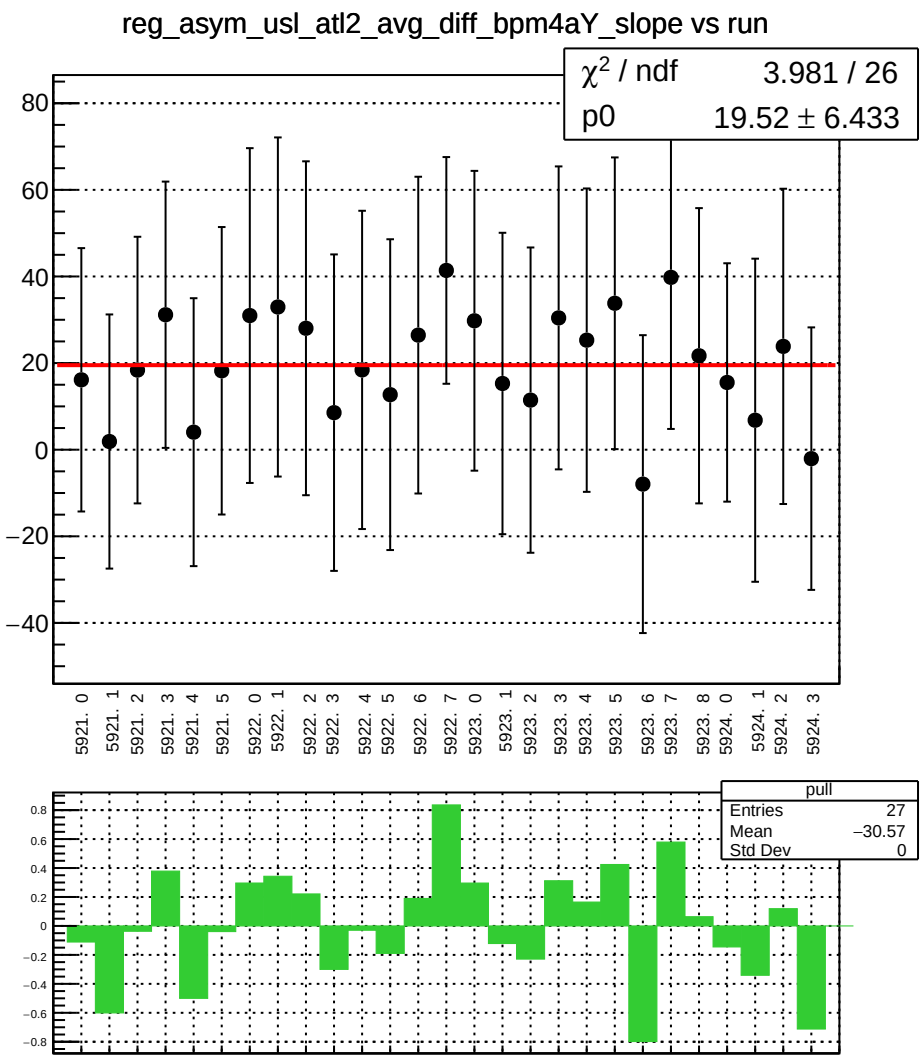

pull1D
Entries 27
Mean 0.007834
Std Dev 0.9324
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

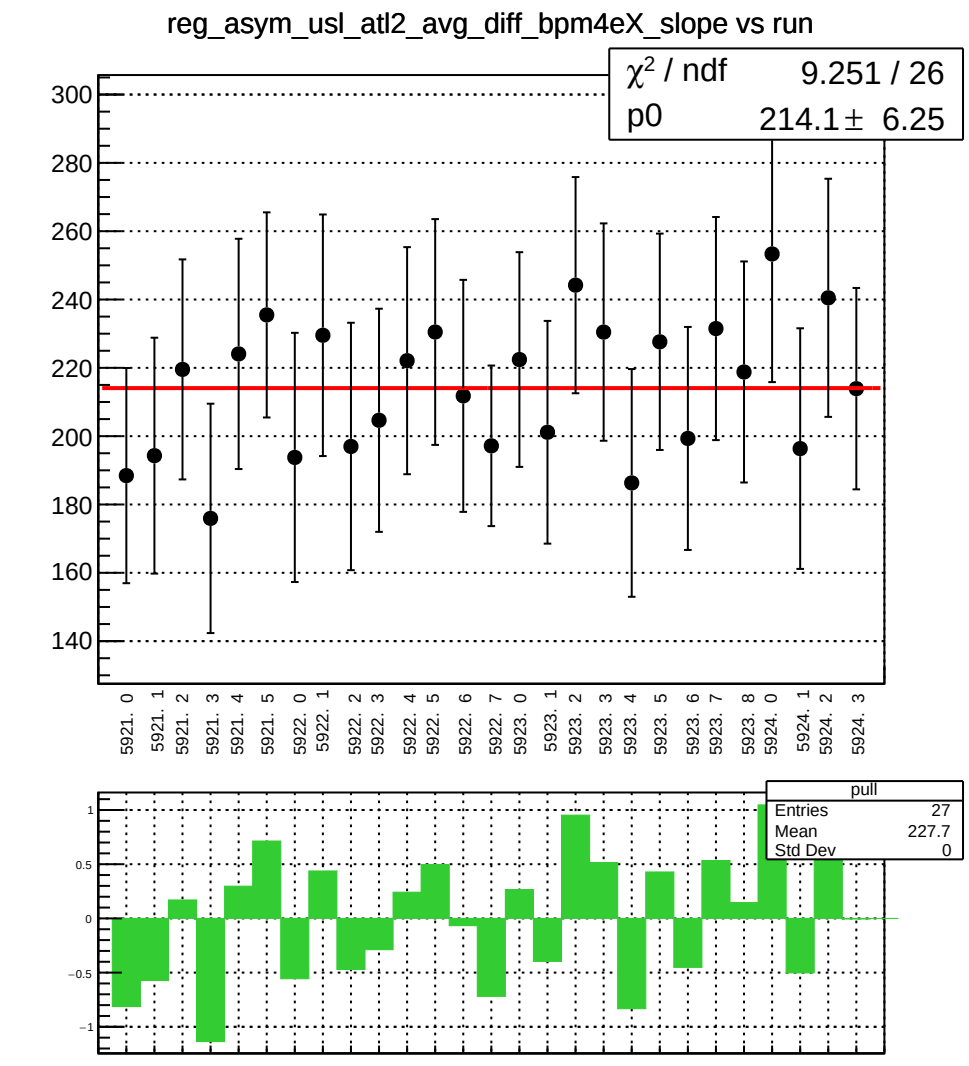

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs run
χ² / ndf 19.84 / 26
p0 23.26 ± 2.586
pull
Entries 27
Mean 16.18
Std Dev 0

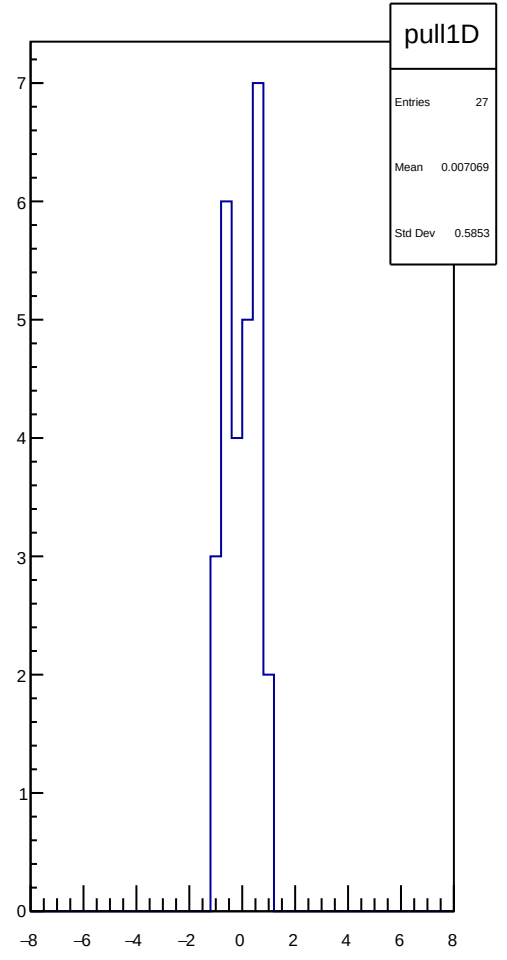

pull1D
Entries 27
Mean 0.008928
Std Dev 0.8571

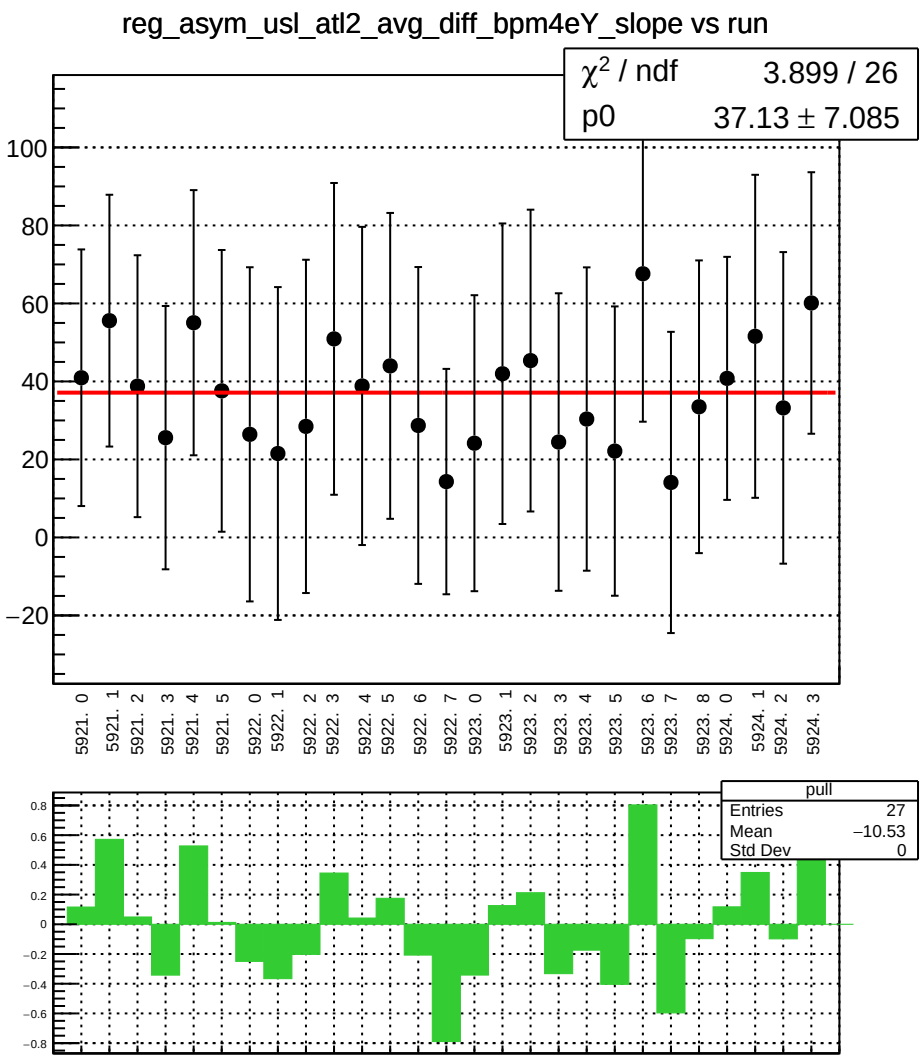

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs run
χ² / ndf 23.92 / 26
p0 −9.719 ± 0.1764
pull
Entries 27
Mean −171.4
Std Dev 0
pull1D
Entries 27
Mean 0.01374
Std Dev 0.9412

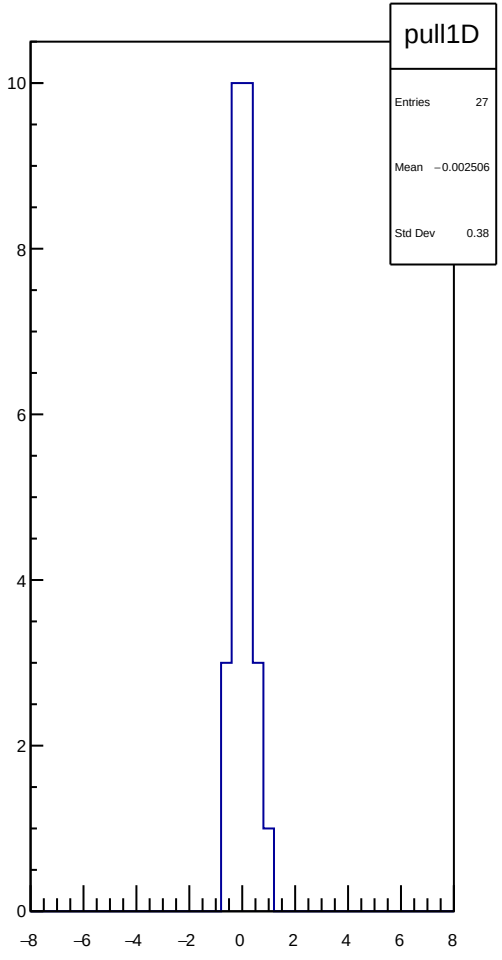

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs run
χ² / ndf 9.43 / 26
p0 −164.5 ± 4.383
−120
−140
−160
−180
−200
−220
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 2748
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 27
Mean −0.0005665
Std Dev 0.591
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

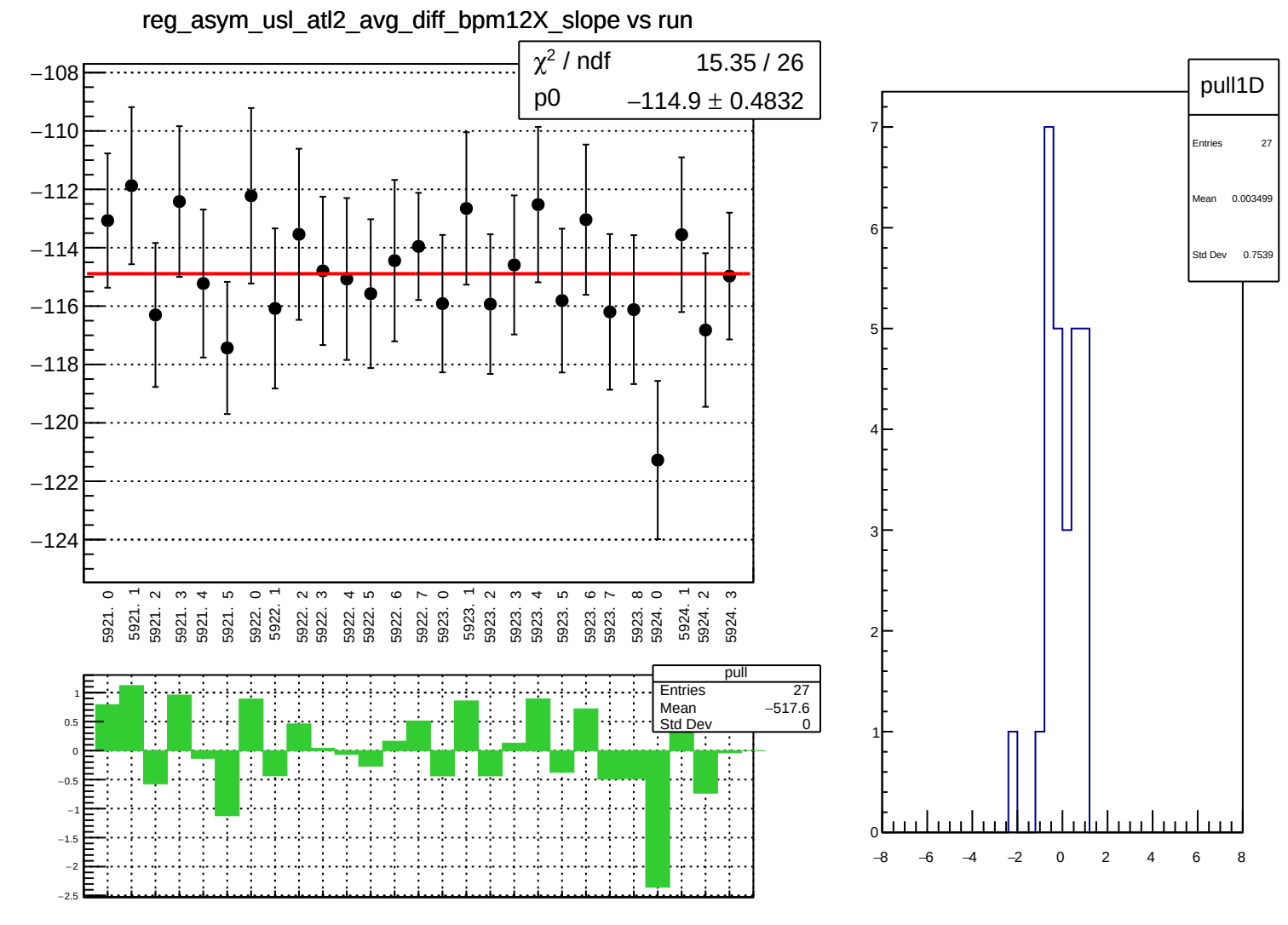

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.981 / 26
p0 19.52 ± 6.433
80
60
40
20
0
−20
−40
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −30.57
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 27
Mean 0.002602
Std Dev 0.384
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

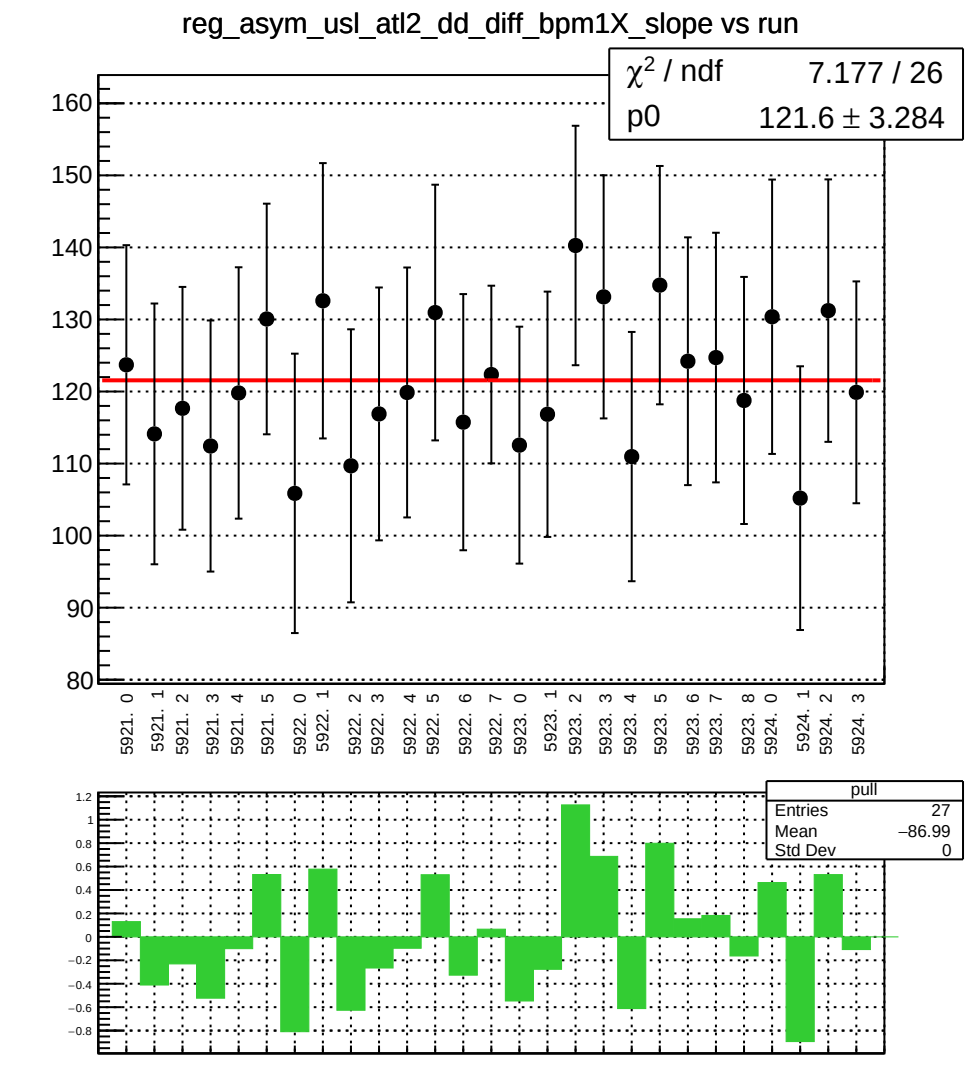

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.251 / 26
p0 214.1 ± 6.25
300
280
260
240
220
200
180
160
140
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 227.7
Std Dev 0
1
0.5
0
−0.5
−1

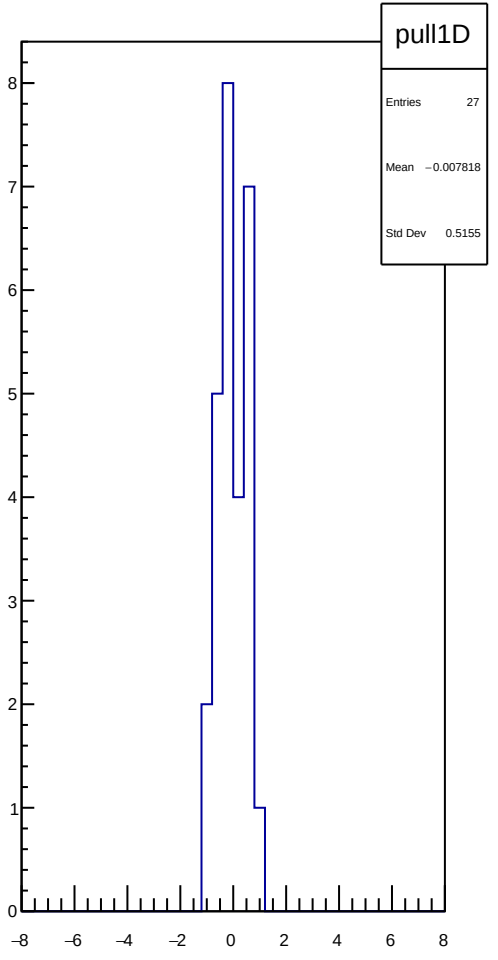

pull1D
Entries 27
Mean 0.007069
Std Dev 0.5853
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

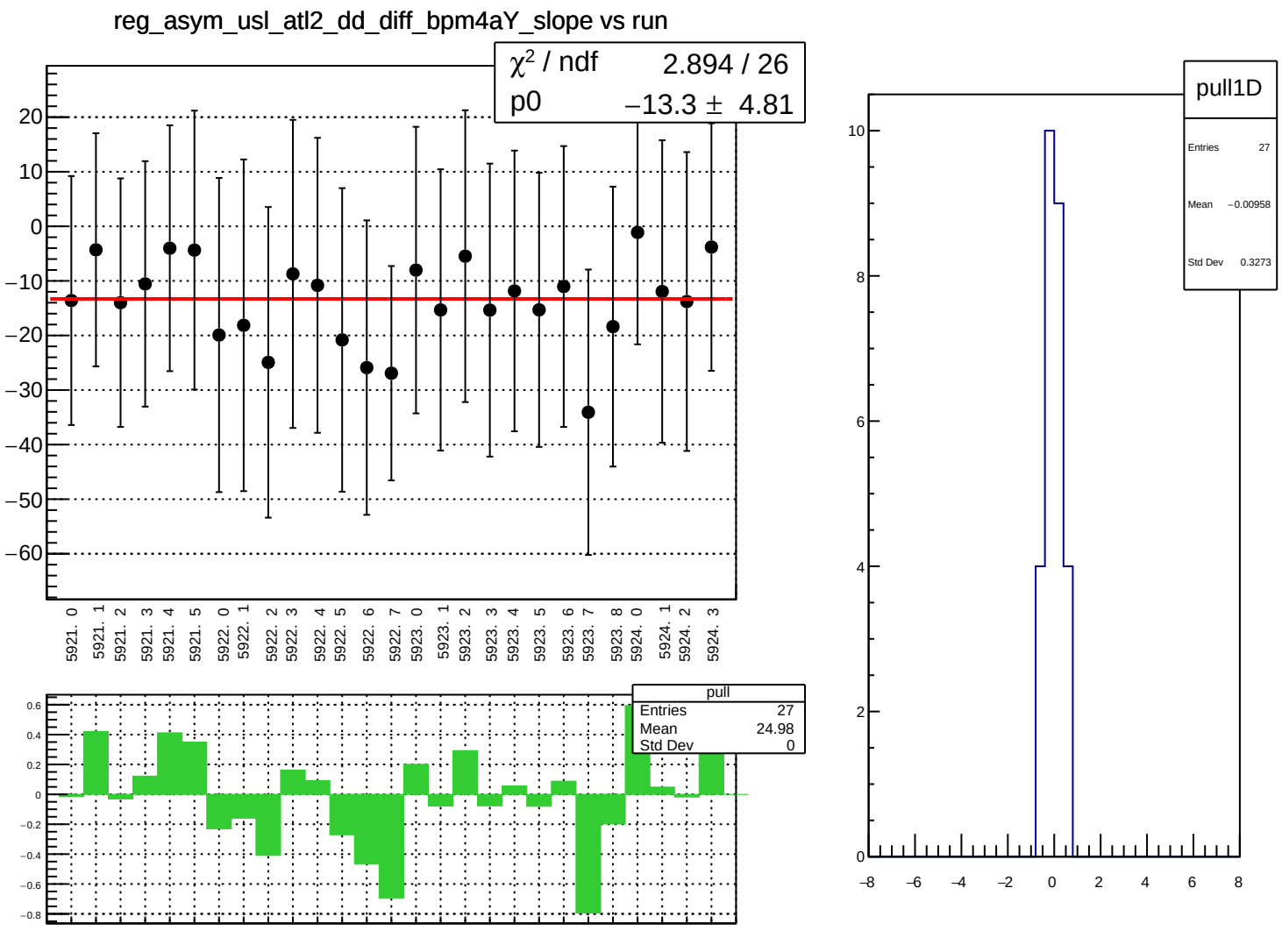

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.899 / 26
p0 37.13 ± 7.085
100
80
60
40
20
0
−20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −10.53
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

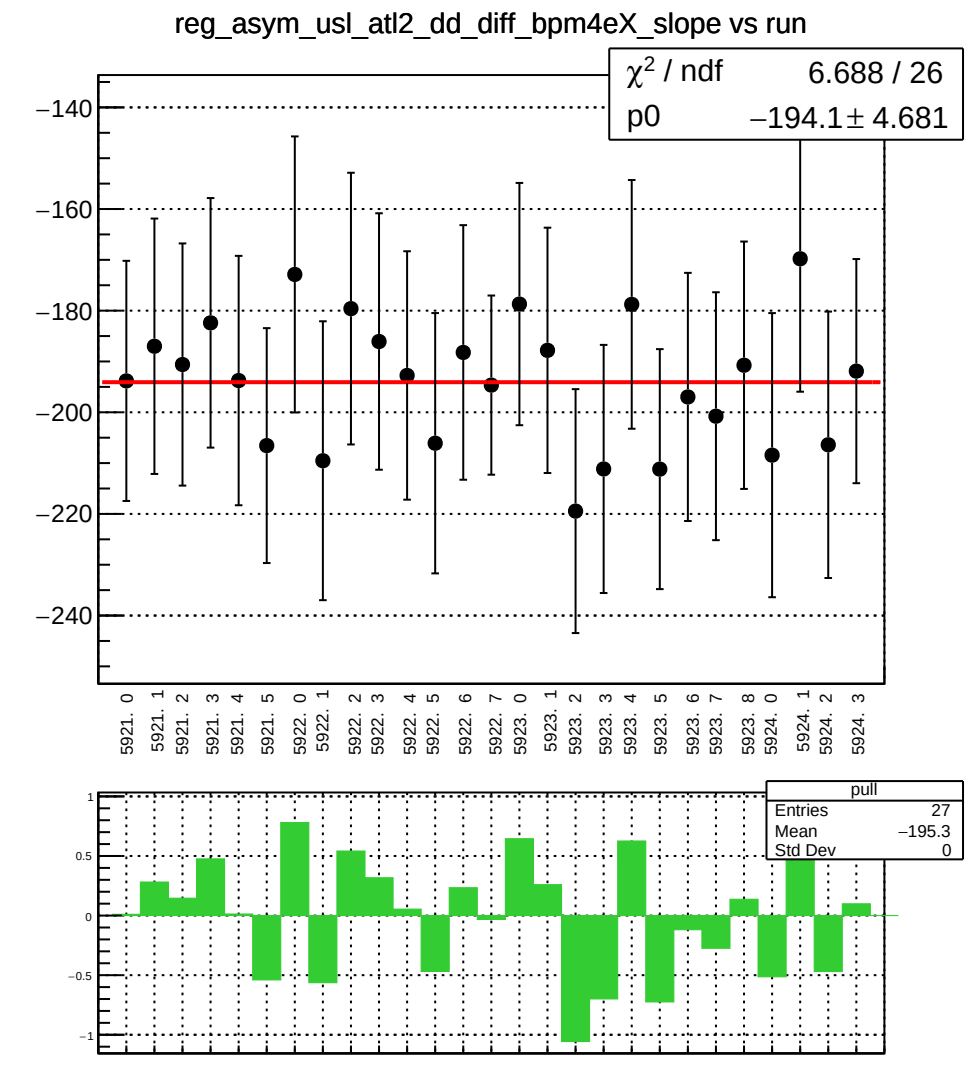

pull1D
Entries 27
Mean −0.002506
Std Dev 0.38
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

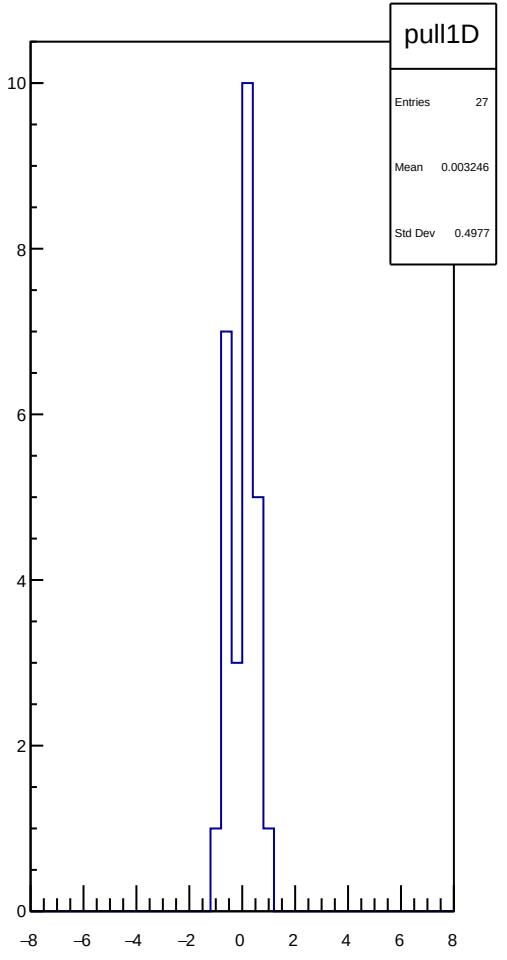

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs run
χ² / ndf 15.35 / 26
p0 −114.9 ± 0.4832
−108
−110
−112
−114
−116
−118
−120
−122
−124
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −517.6
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean 0.003499
Std Dev 0.7539
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

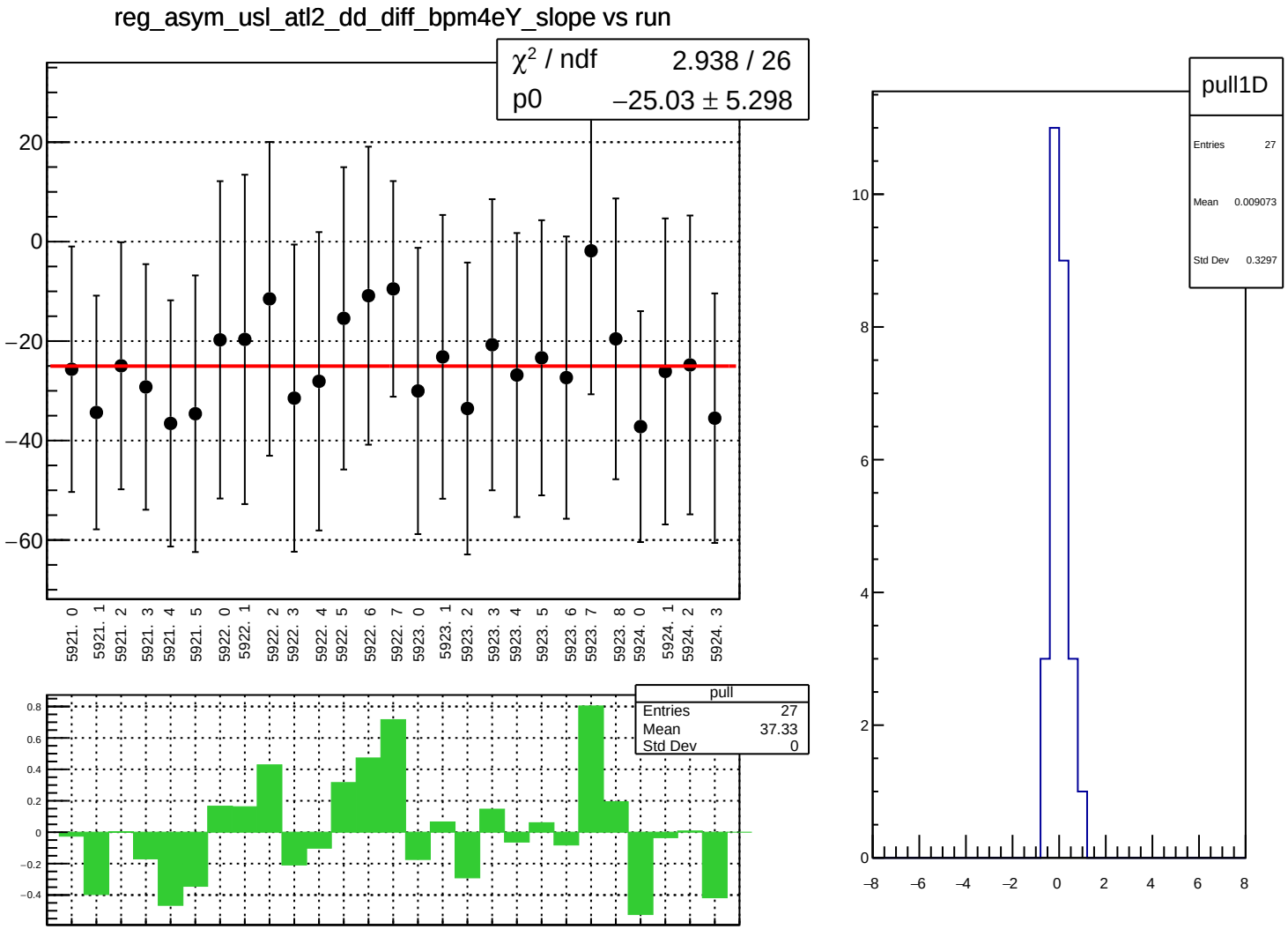

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs run
χ² / ndf 7.177 / 26
p0 121.6 ± 3.284
160
150
140
130
120
110
100
90
80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −86.99
Std Dev 0
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

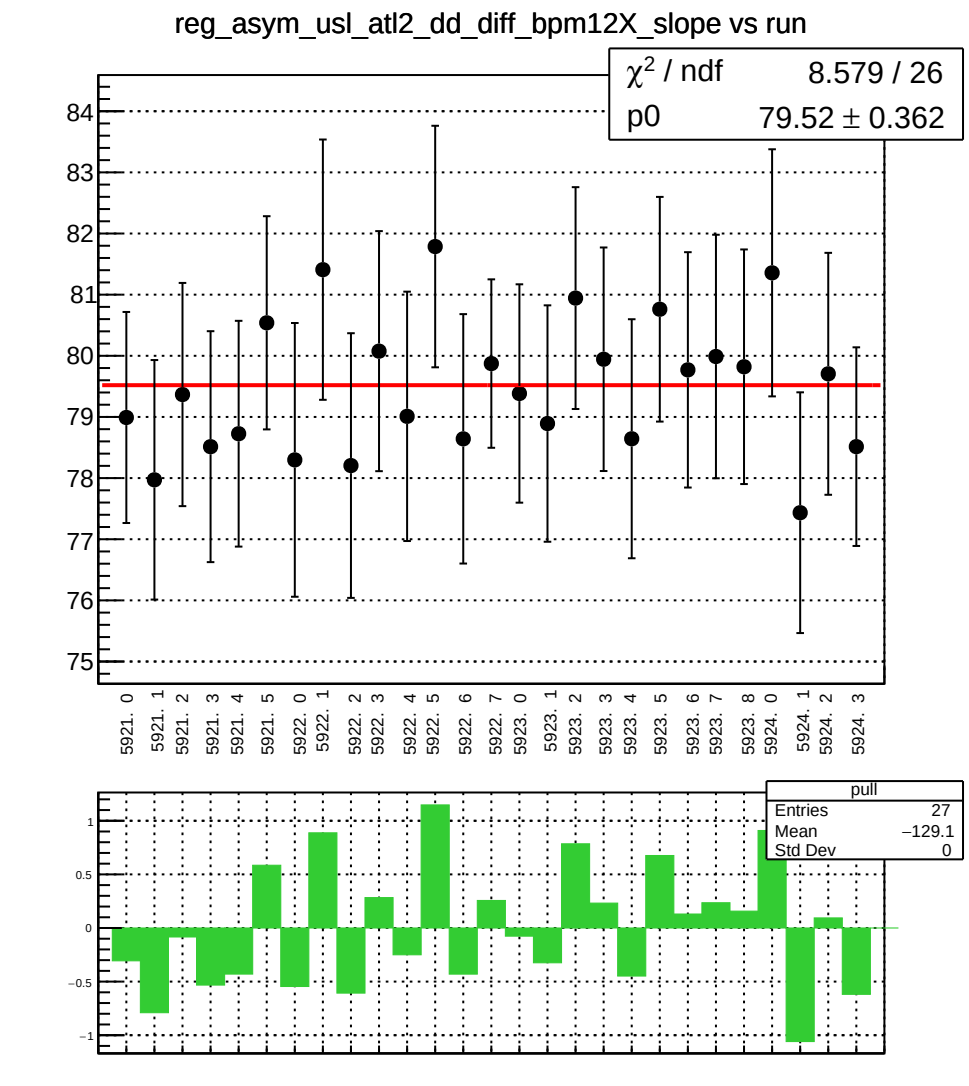

pull1D
Entries 27
Mean −0.007818
Std Dev 0.5155
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

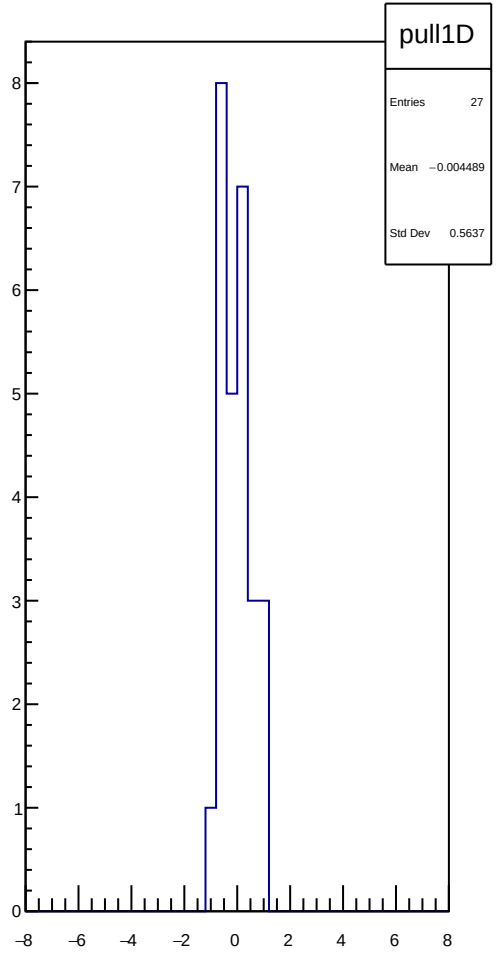

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.894 / 26
p0 −13.3 ± 4.81
20
10
0
−10
−20
−30
−40
−50
−60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 24.98
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 27
Mean −0.00958
Std Dev 0.3273
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

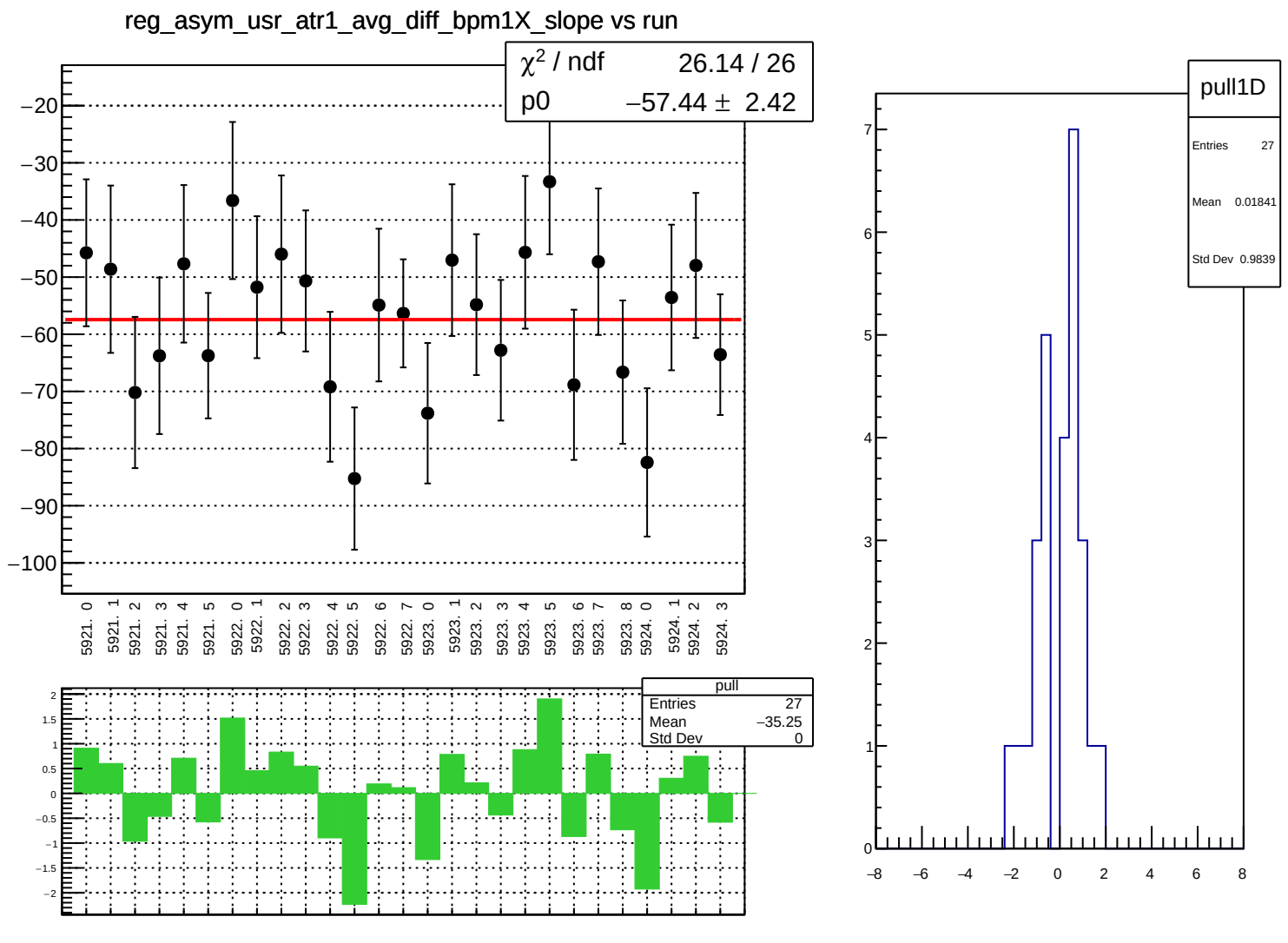

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.688 / 26
p0 −194.1 ± 4.681
−140
−160
−180
−200
−220
−240
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −195.3
Std Dev 0
1
0.5
0
−0.5
−1

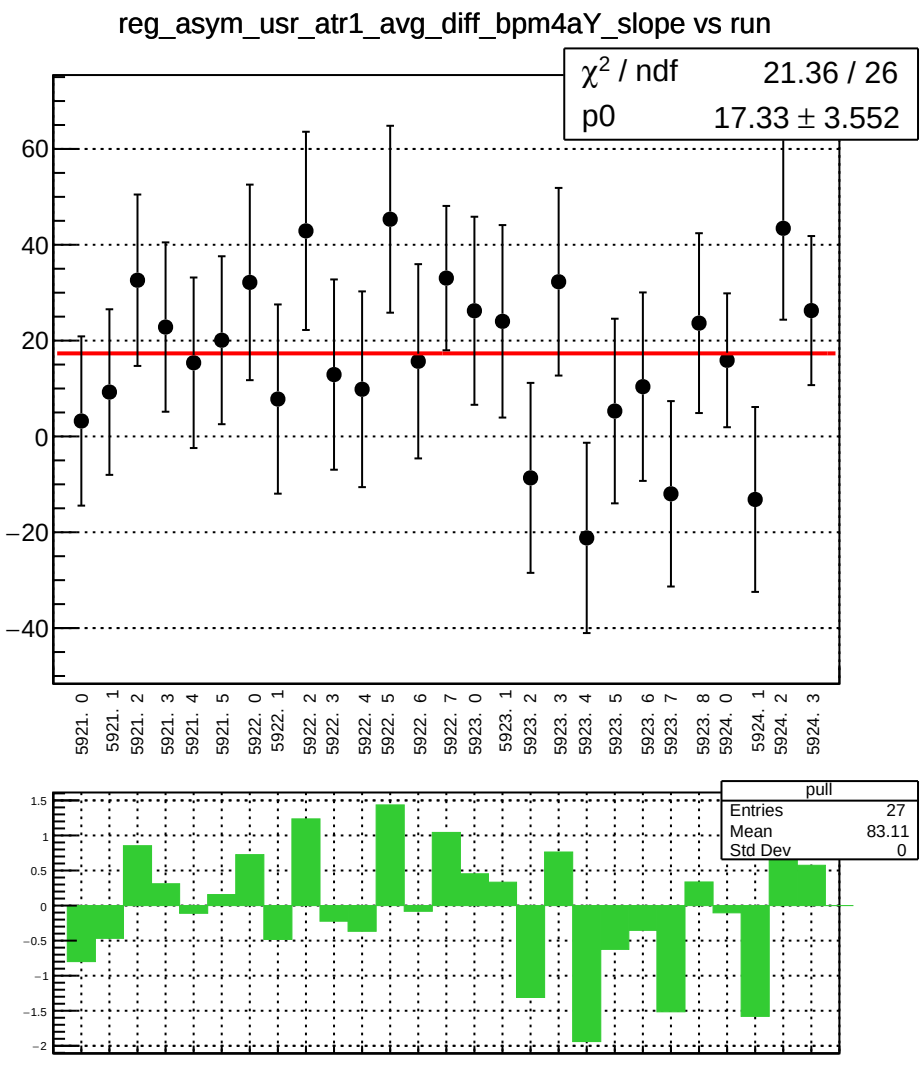

pull1D
Entries 27
Mean 0.003246
Std Dev 0.4977
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

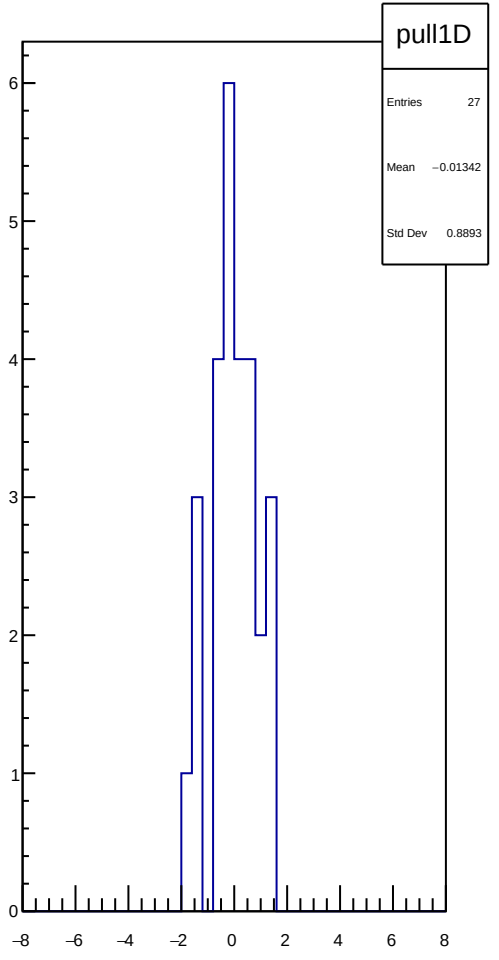

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.938 / 26
p0 −25.03 ± 5.298
20
0
−20
−40
−60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 37.33
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 27
Mean 0.009073
Std Dev 0.3297
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

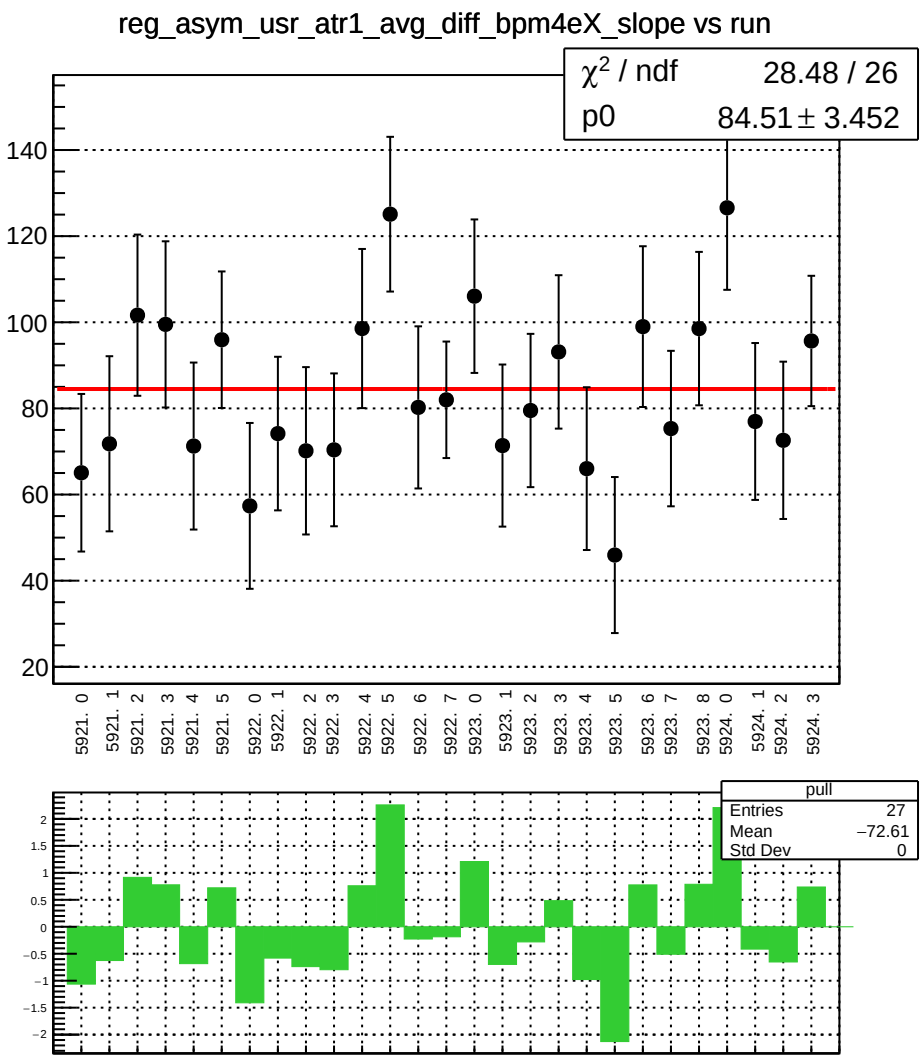

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs run
χ² / ndf 8.579 / 26
p0 79.52 ± 0.362
84
83
82
81
80
79
78
77
76
75
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −129.1
Std Dev 0
1
0.5
0
−0.5
−1

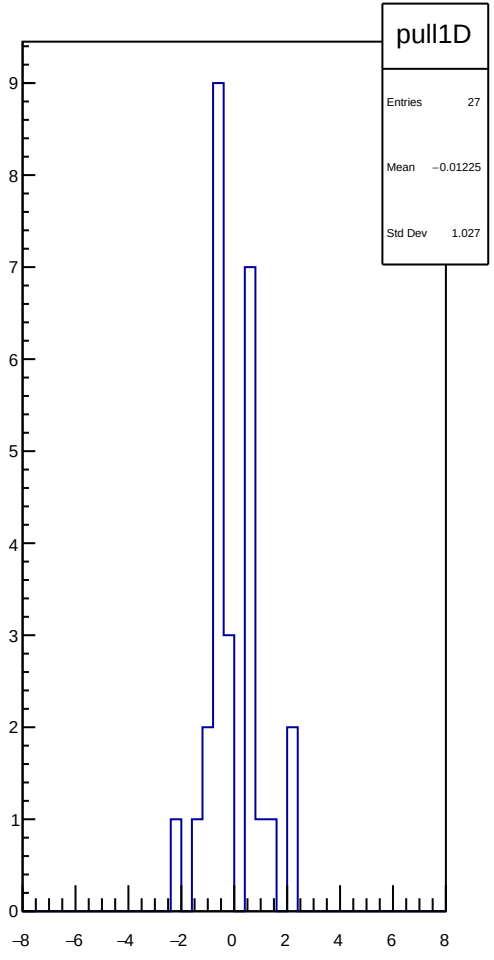

pull1D
Entries 27
Mean −0.004489
Std Dev 0.5637
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

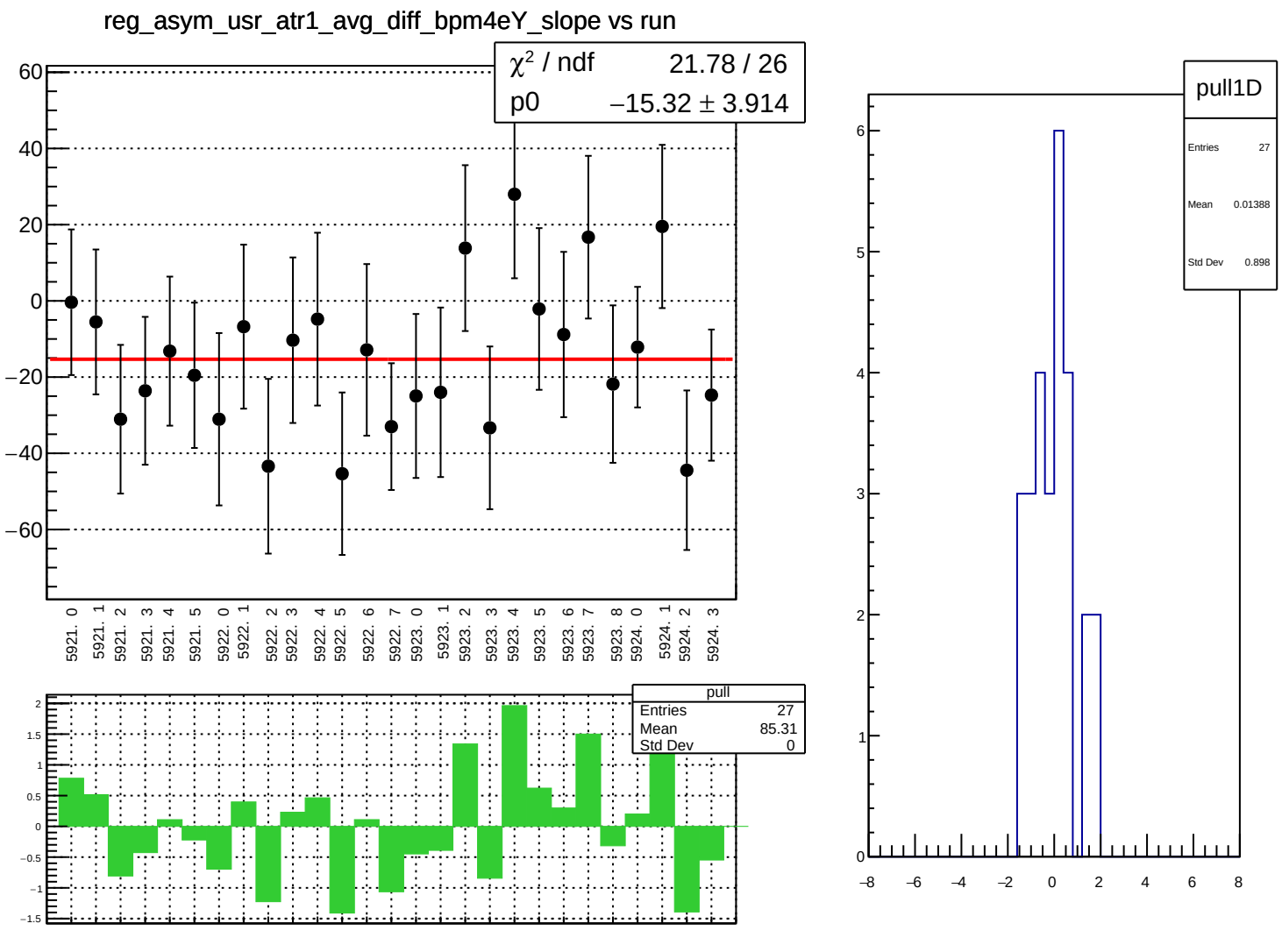

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs run
χ² / ndf 26.14 / 26
p0 −57.44 ± 2.42
−20
−30
−40
−50
−60
−70
−80
−90
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −35.25
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean 0.01841
Std Dev 0.9839
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

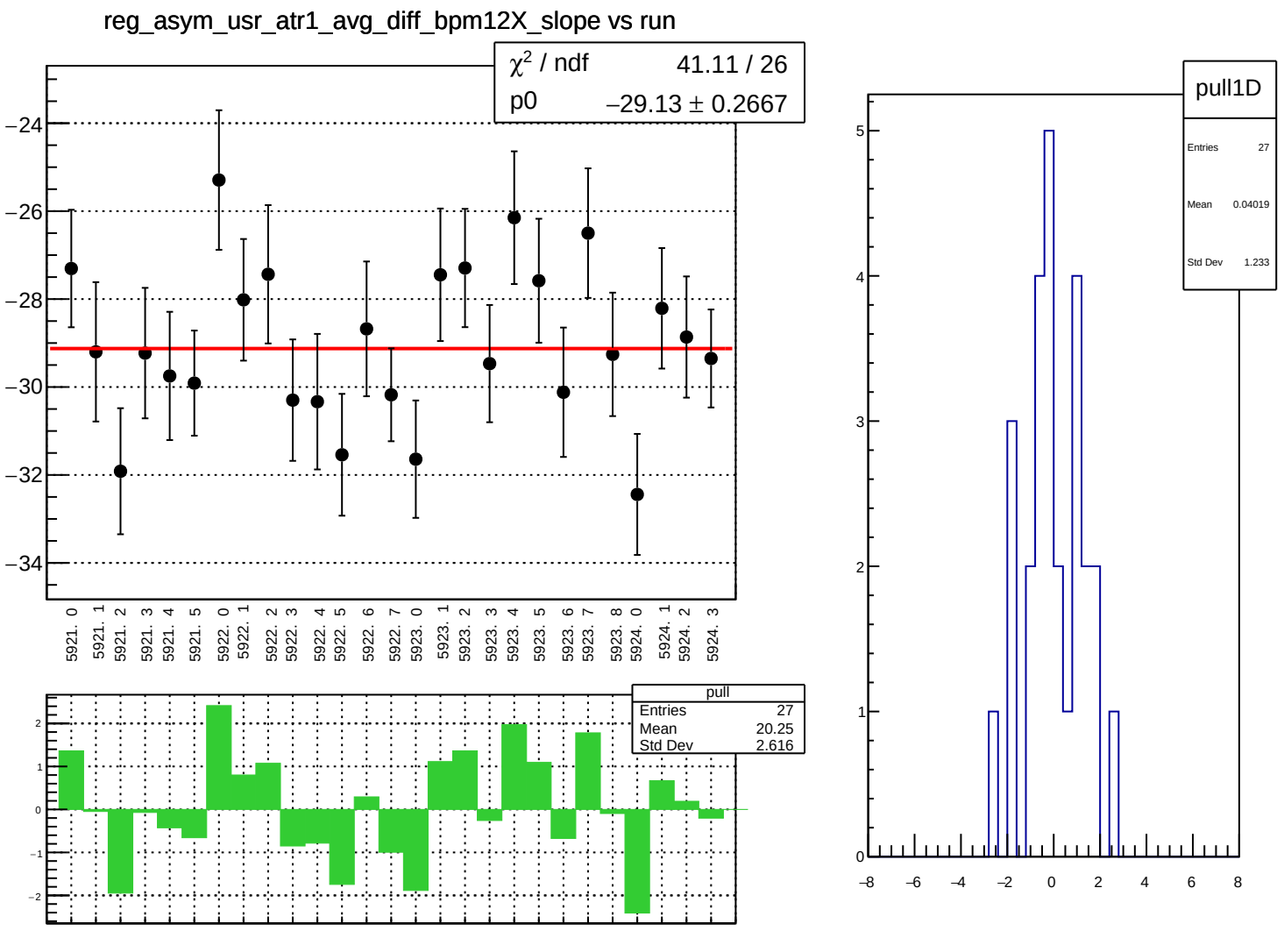

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs run
χ² / ndf 21.36 / 26
p0 17.33 ± 3.552
60
40
20
0
−20
−40
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 83.11
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

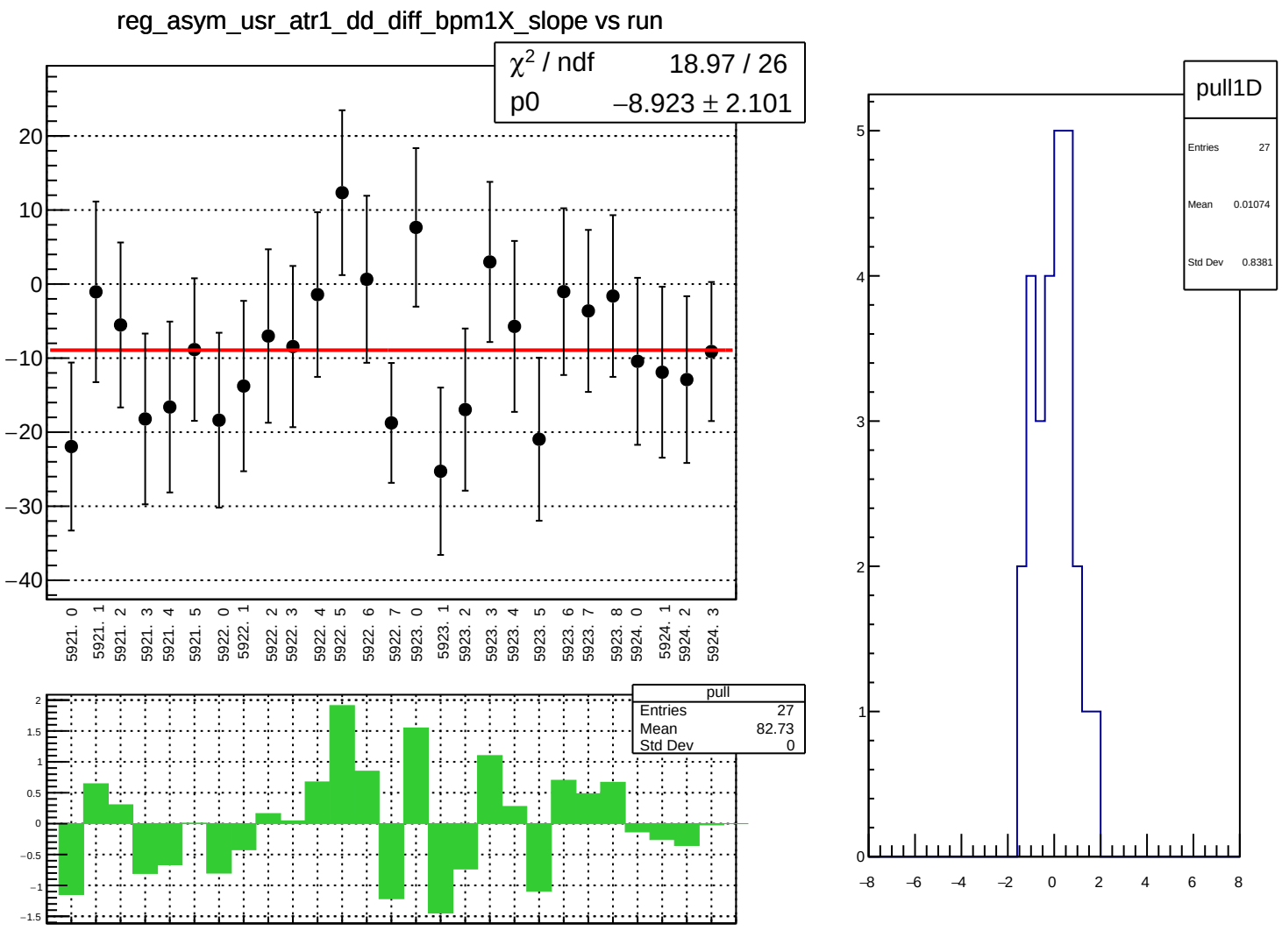

pull1D
Entries 27
Mean −0.01342
Std Dev 0.8893
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

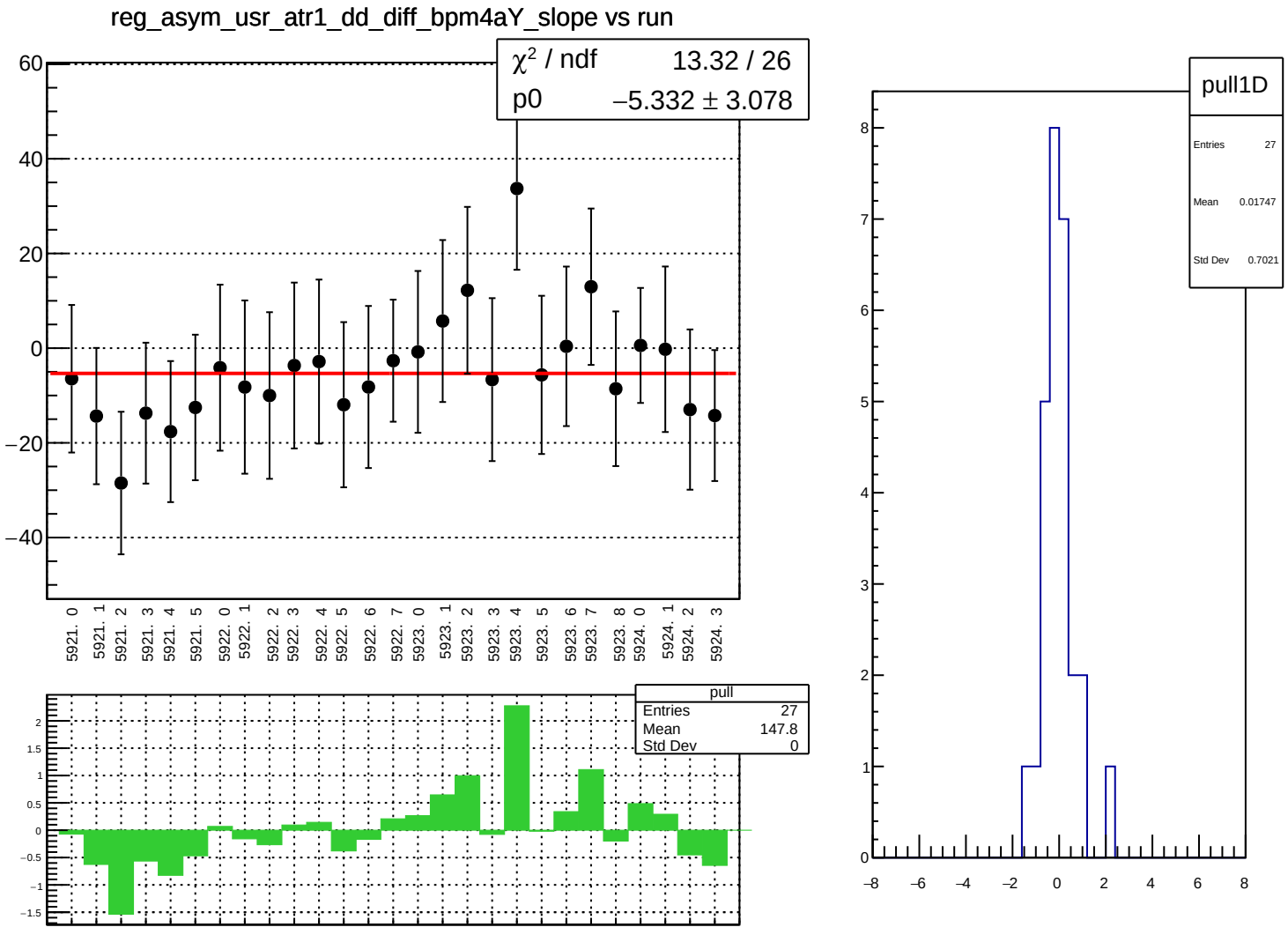

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs run
χ² / ndf 28.48 / 26
p0 84.51 ± 3.452
140
120
100
80
60
40
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −72.61
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

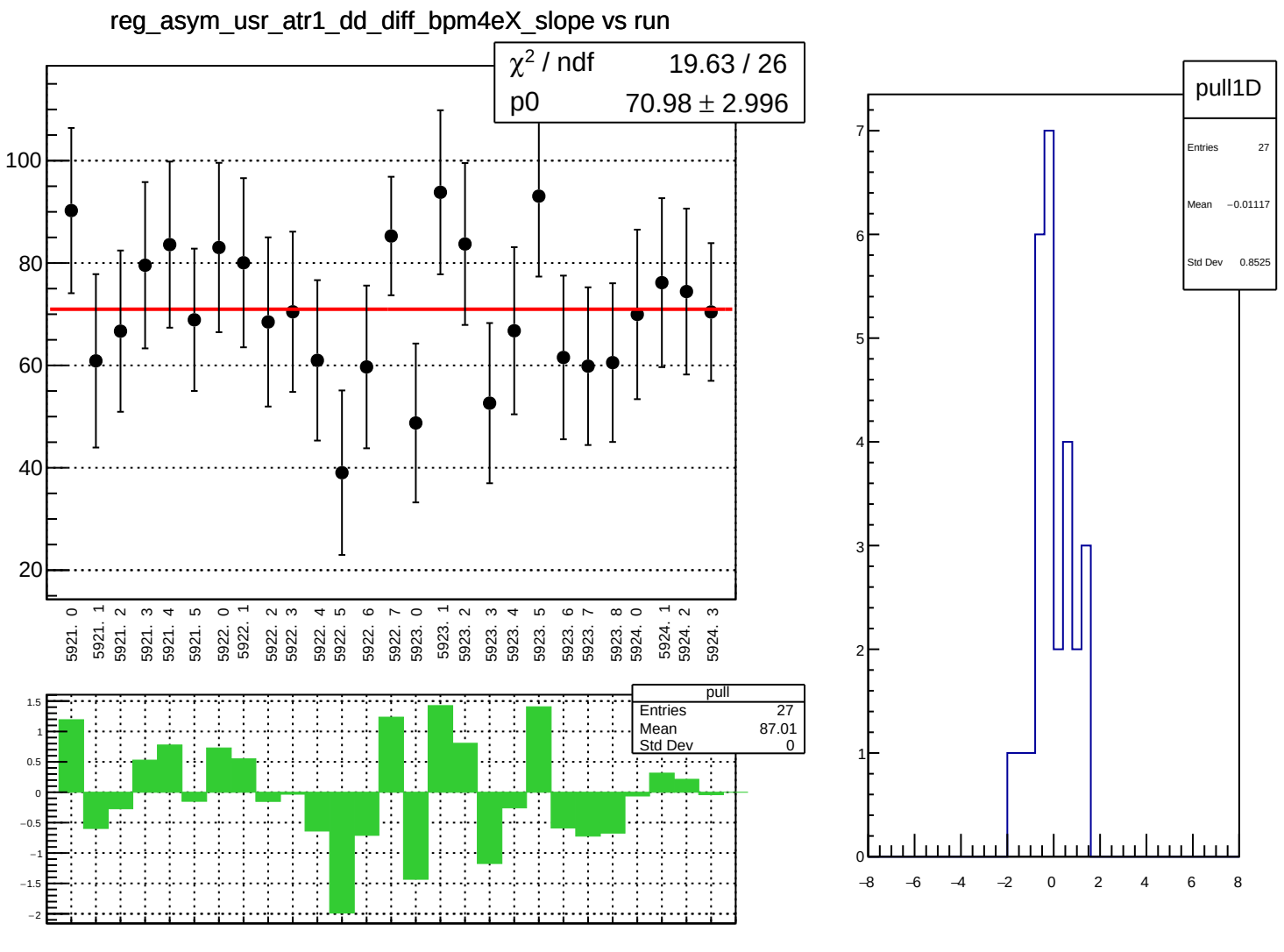

pull1D
Entries 27
Mean −0.01225
Std Dev 1.027
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

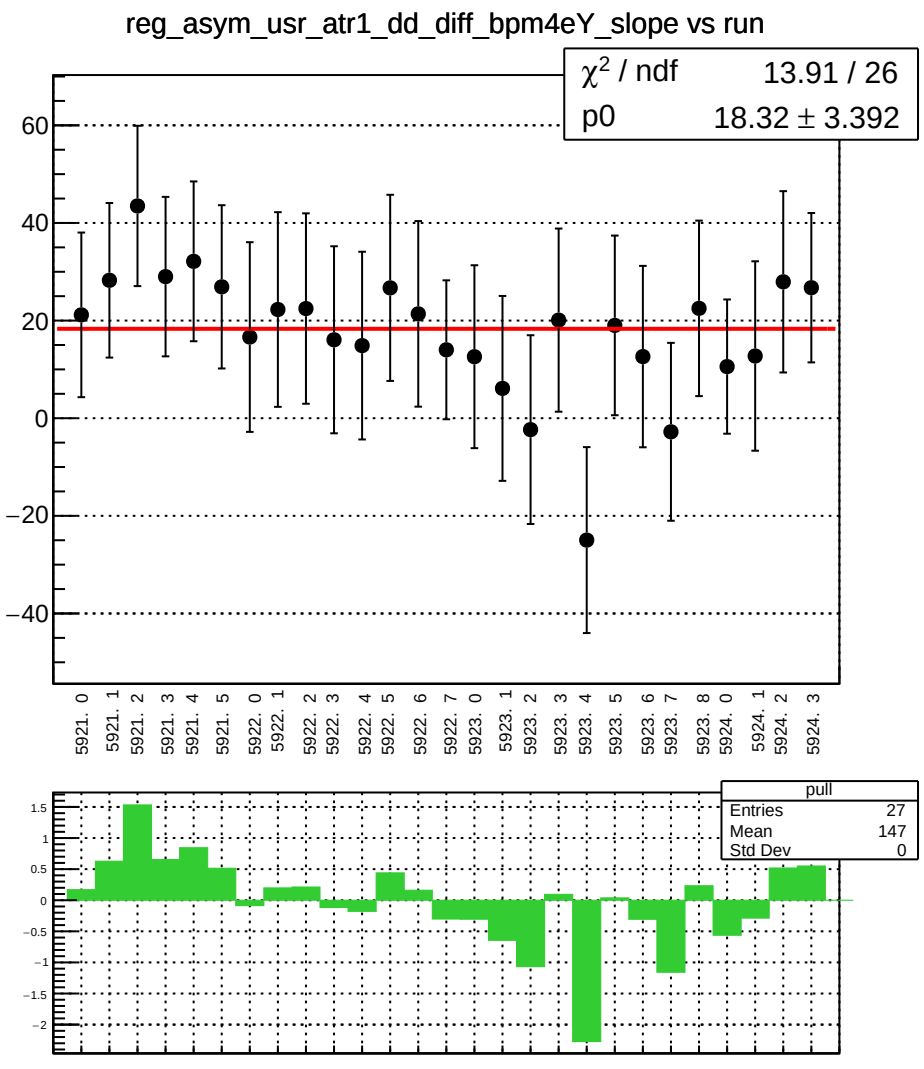

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs run
χ² / ndf 21.78 / 26
p0 −15.32 ± 3.914
60
40
20
0
−20
−40
−60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 85.31
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.01388
Std Dev 0.898
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

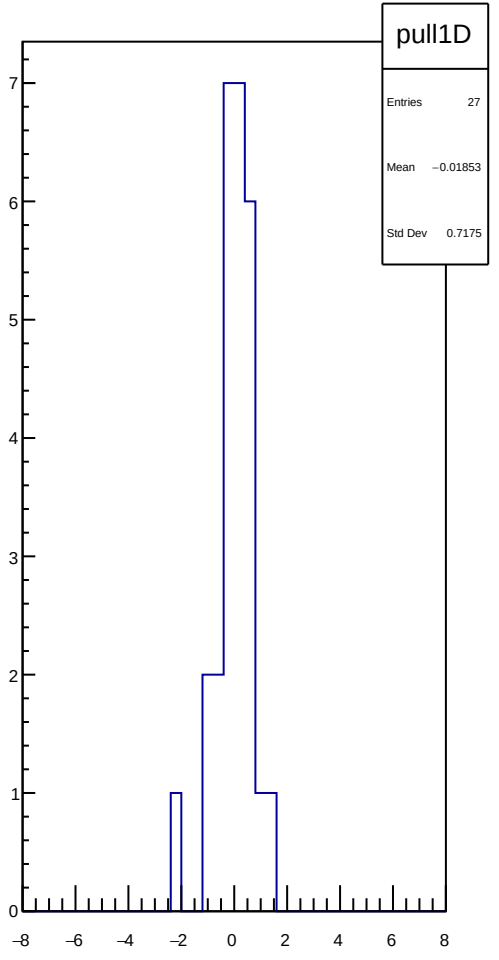

reg_asym_usr_atr1_avg_diff_bpm12X_slope vs run
χ² / ndf 41.11 / 26
p0 −29.13 ± 0.2667
−24
−26
−28
−30
−32
−34
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 20.25
Std Dev 2.616
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.04019
Std Dev 1.233
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

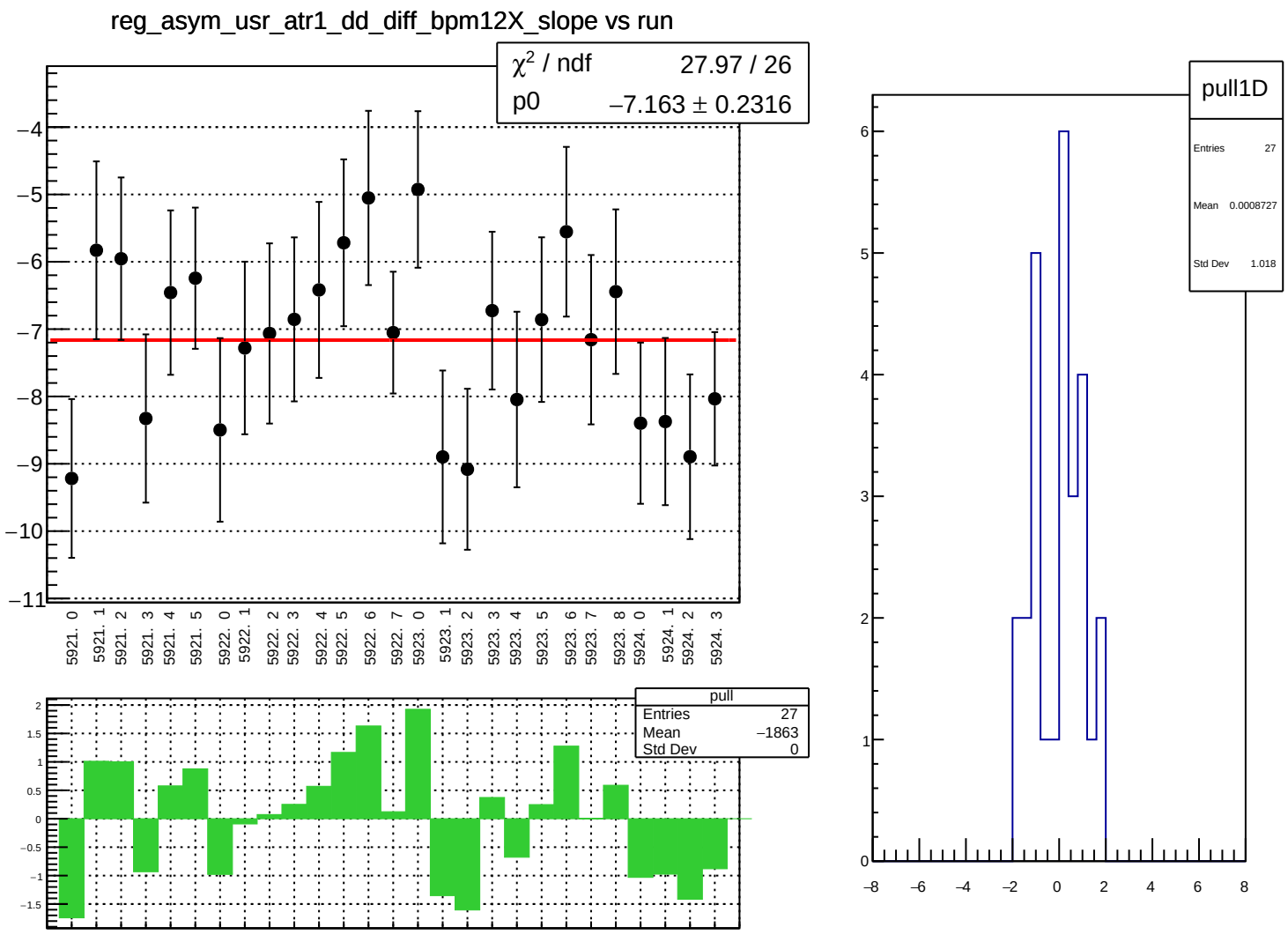

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs run
χ² / ndf 18.97 / 26
p0 −8.923 ± 2.101
20
10
0
−10
−20
−30
−40
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 82.73
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.01074
Std Dev 0.8381
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

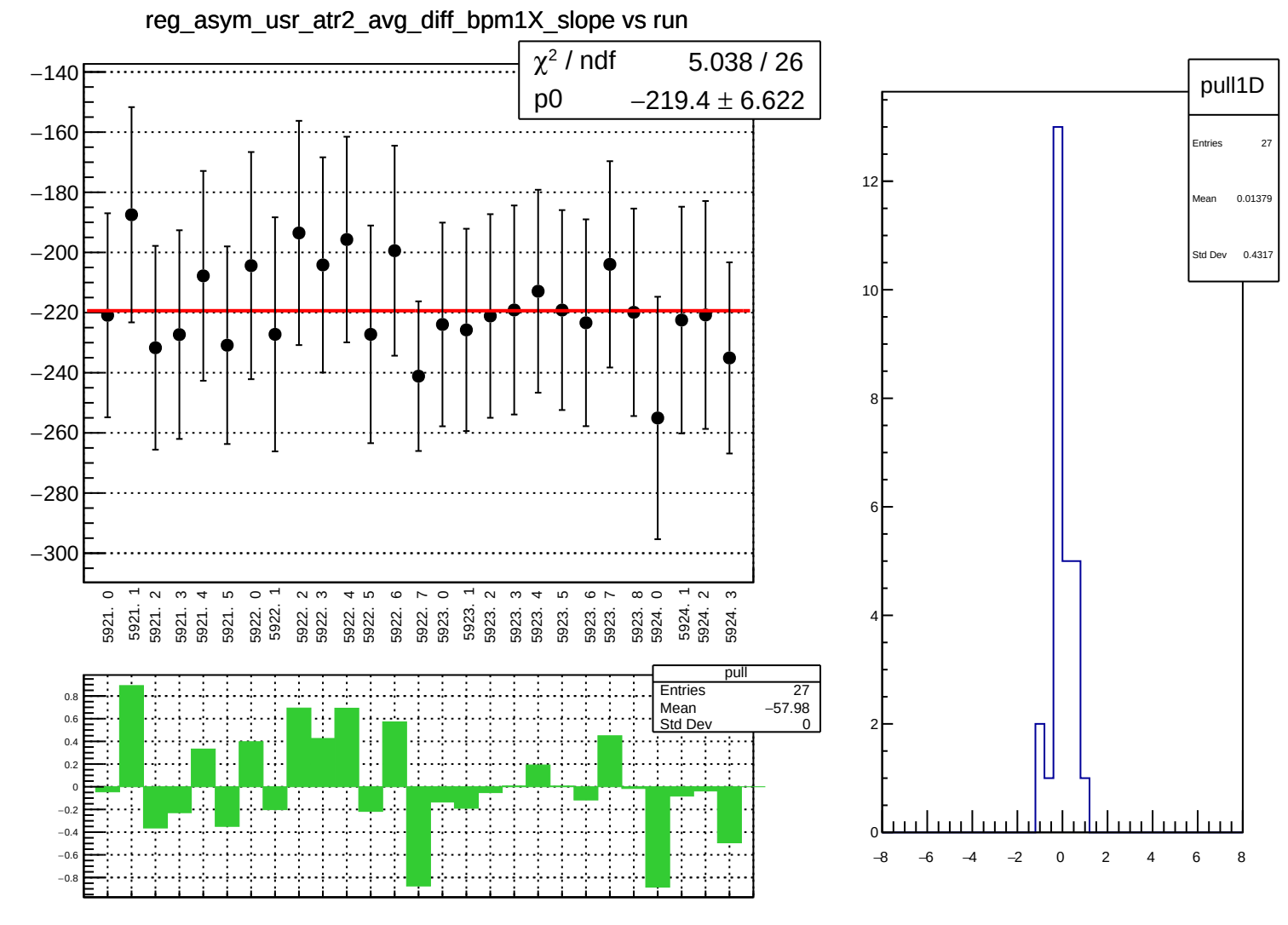

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.32 / 26
p0 −5.332 ± 3.078
60
40
20
0
−20
−40
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 147.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.01747
Std Dev 0.7021
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

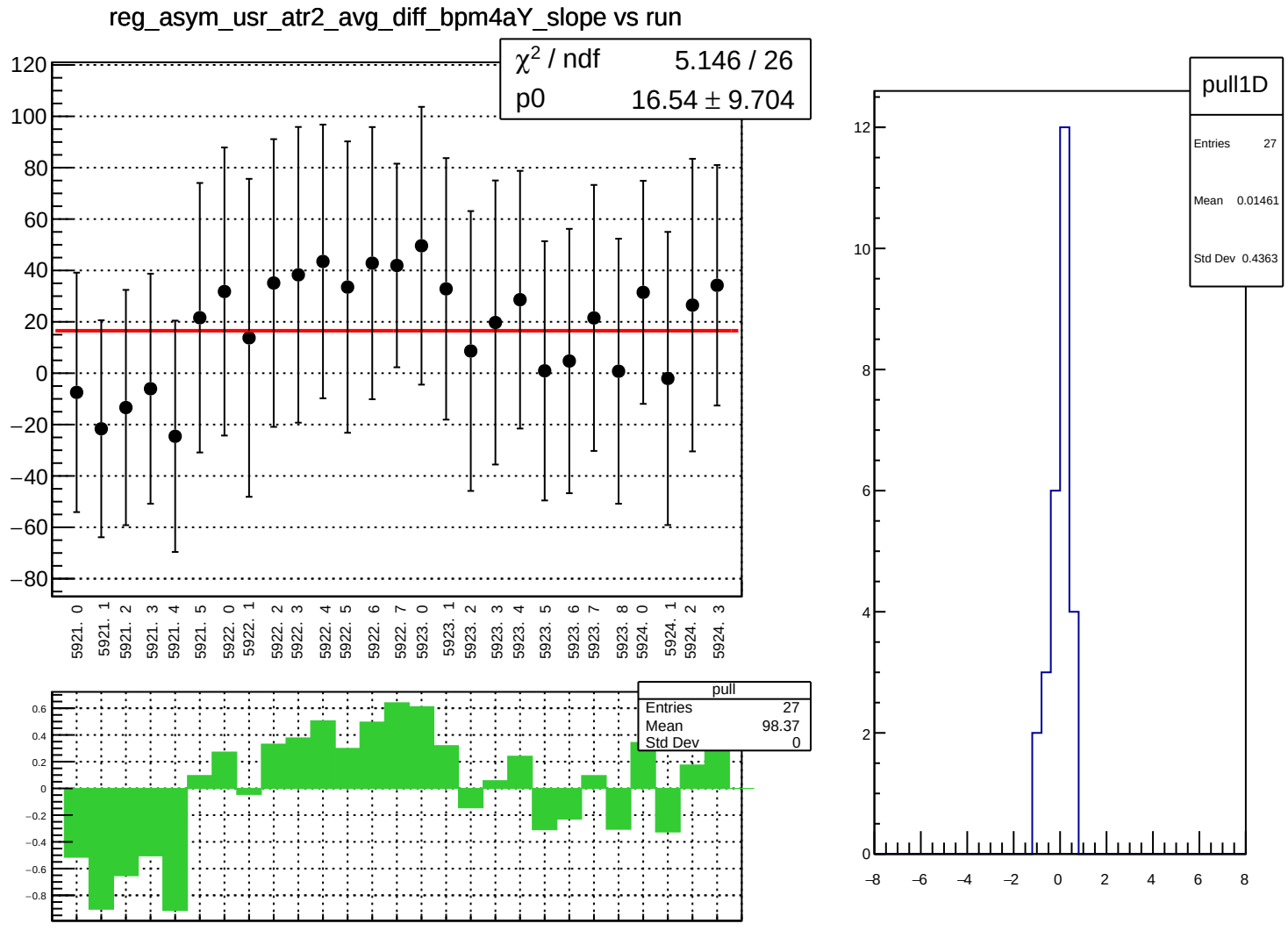

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs run
χ² / ndf 19.63 / 26
p0 70.98 ± 2.996
100
80
60
40
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 87.01
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.01117
Std Dev 0.8525
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

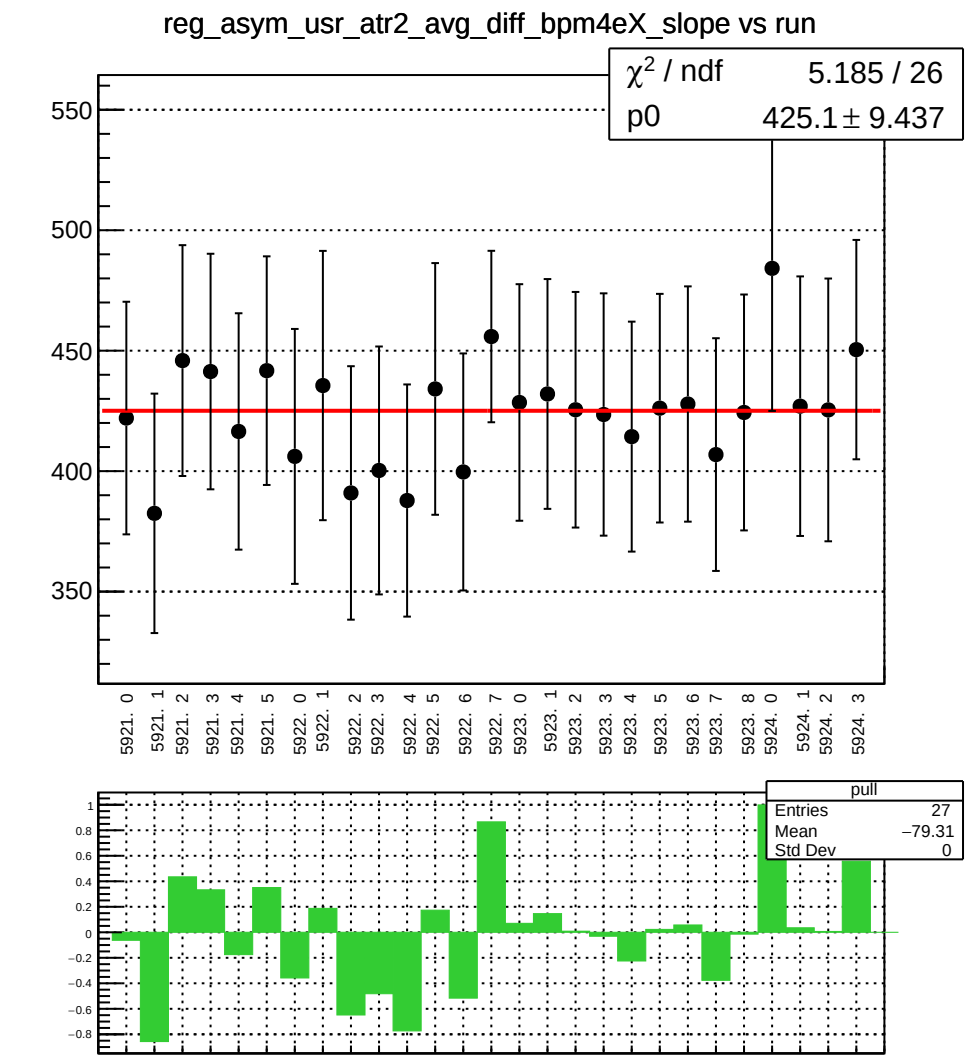

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs run
χ² / ndf 13.91 / 26
p0 18.32 ± 3.392
60
40
20
0
−20
−40
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 147
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

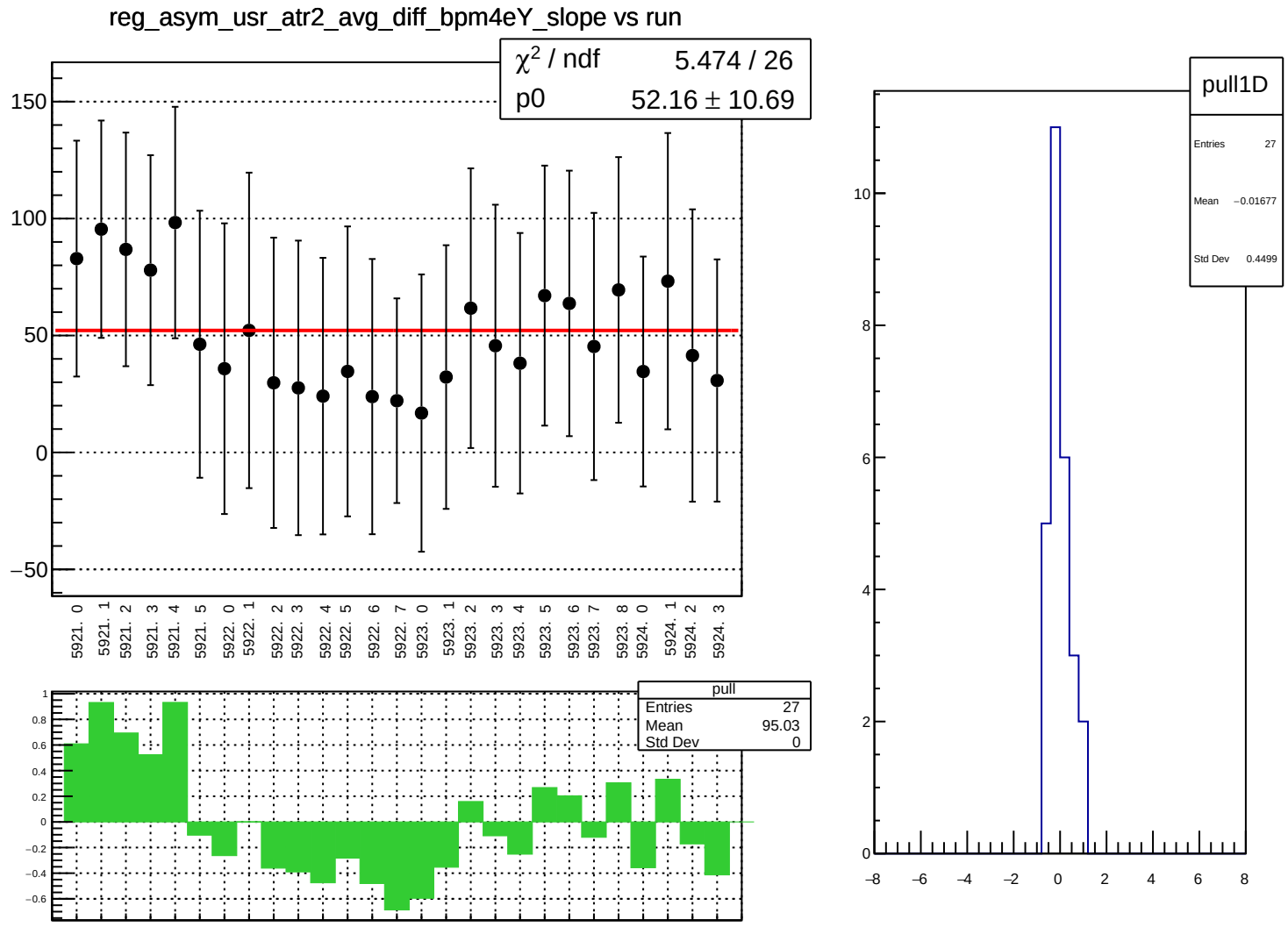

pull1D
Entries 27
Mean −0.01853
Std Dev 0.7175
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

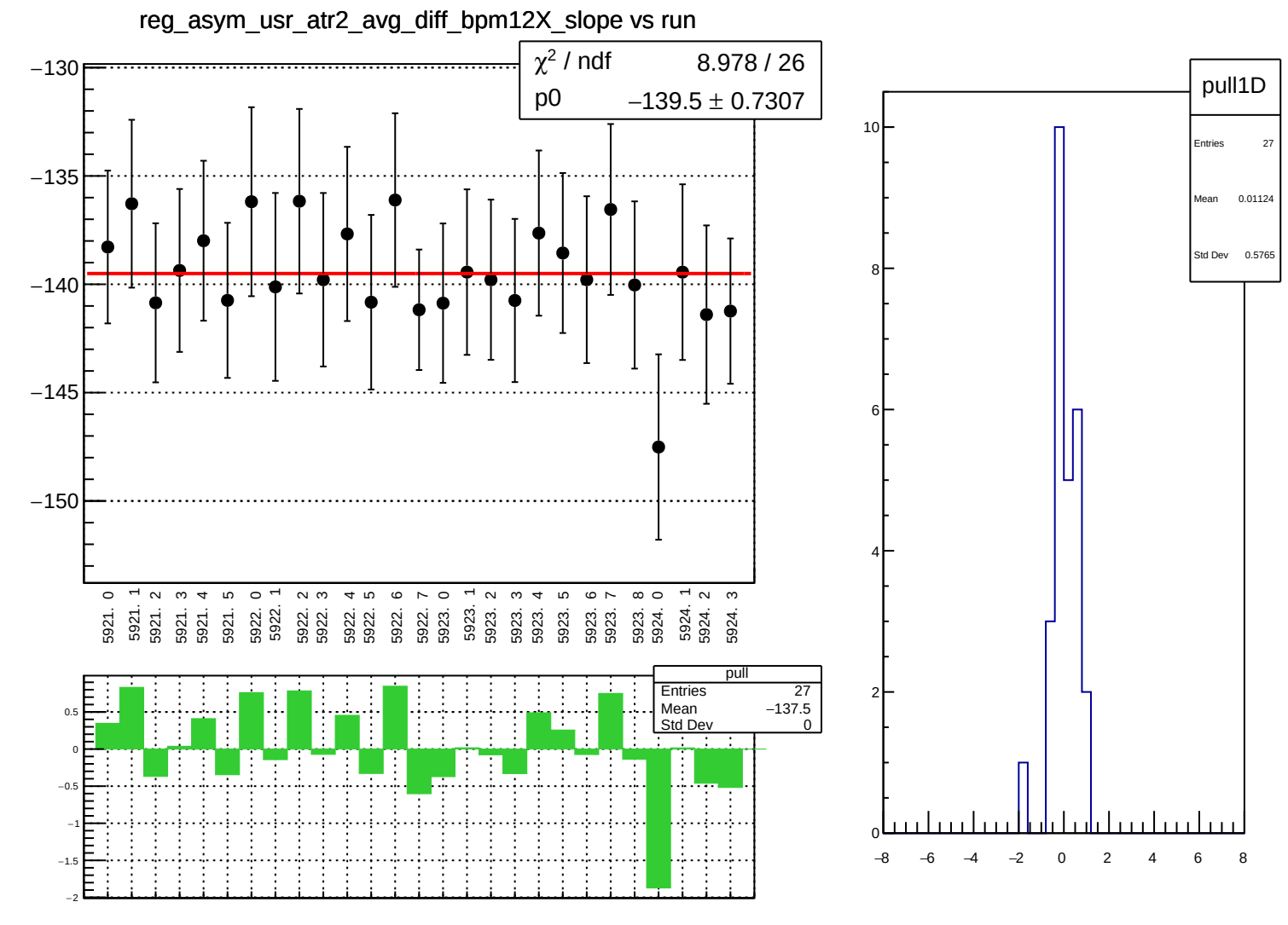

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs run
χ² / ndf 27.97 / 26
p0 −7.163 ± 0.2316
pull
Entries 27
Mean −1863
Std Dev 0
pull1D
Entries 27
Mean 0.0008727
Std Dev 1.018

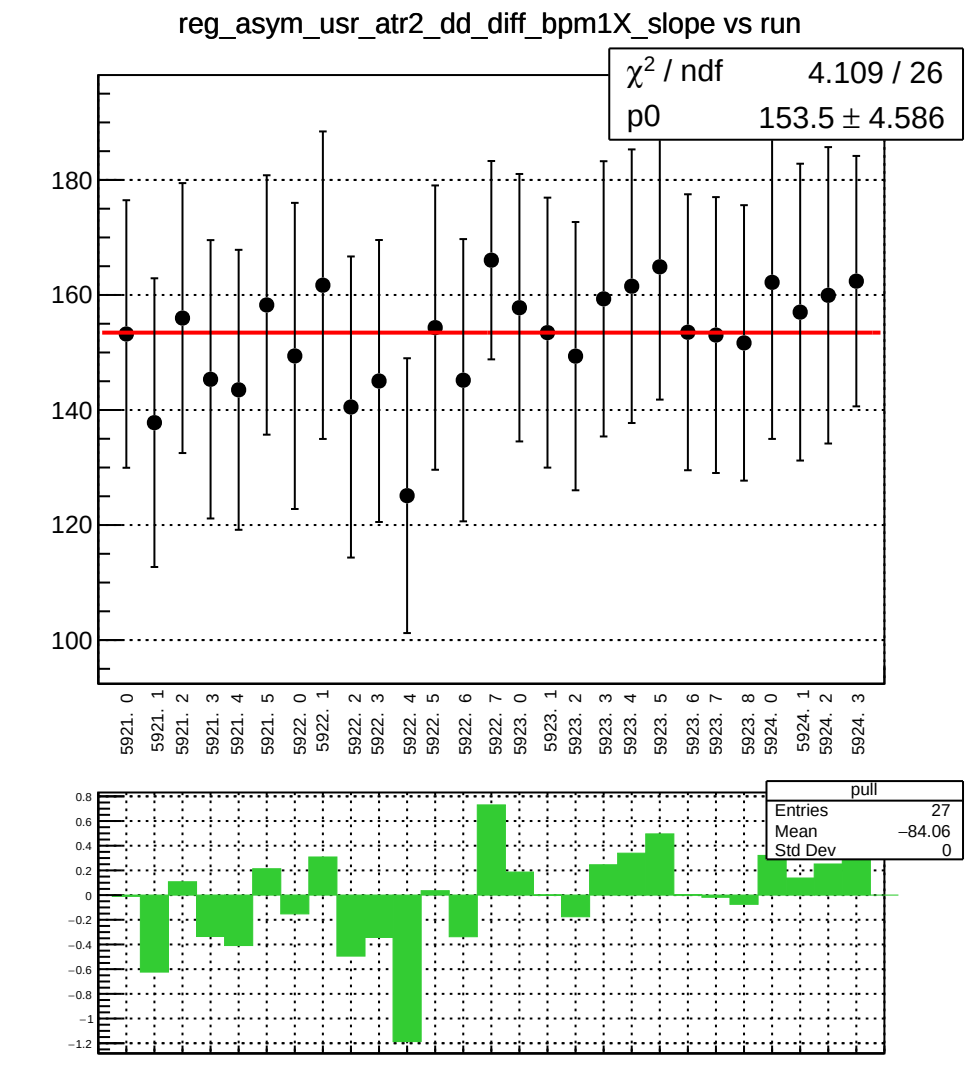

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs run
χ² / ndf 5.038 / 26
p0 −219.4 ± 6.622
−140
−160
−180
−200
−220
−240
−260
−280
−300
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −57.98
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 27
Mean 0.01379
Std Dev 0.4317
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

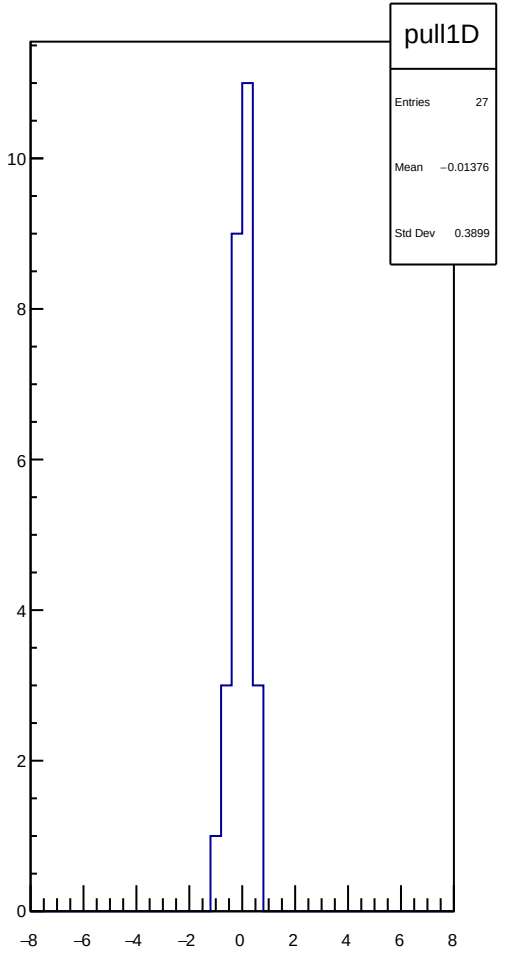

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.146 / 26
p0 16.54 ± 9.704
120
100
80
60
40
20
0
−20
−40
−60
−80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 98.37
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 27
Mean 0.01461
Std Dev 0.4363
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

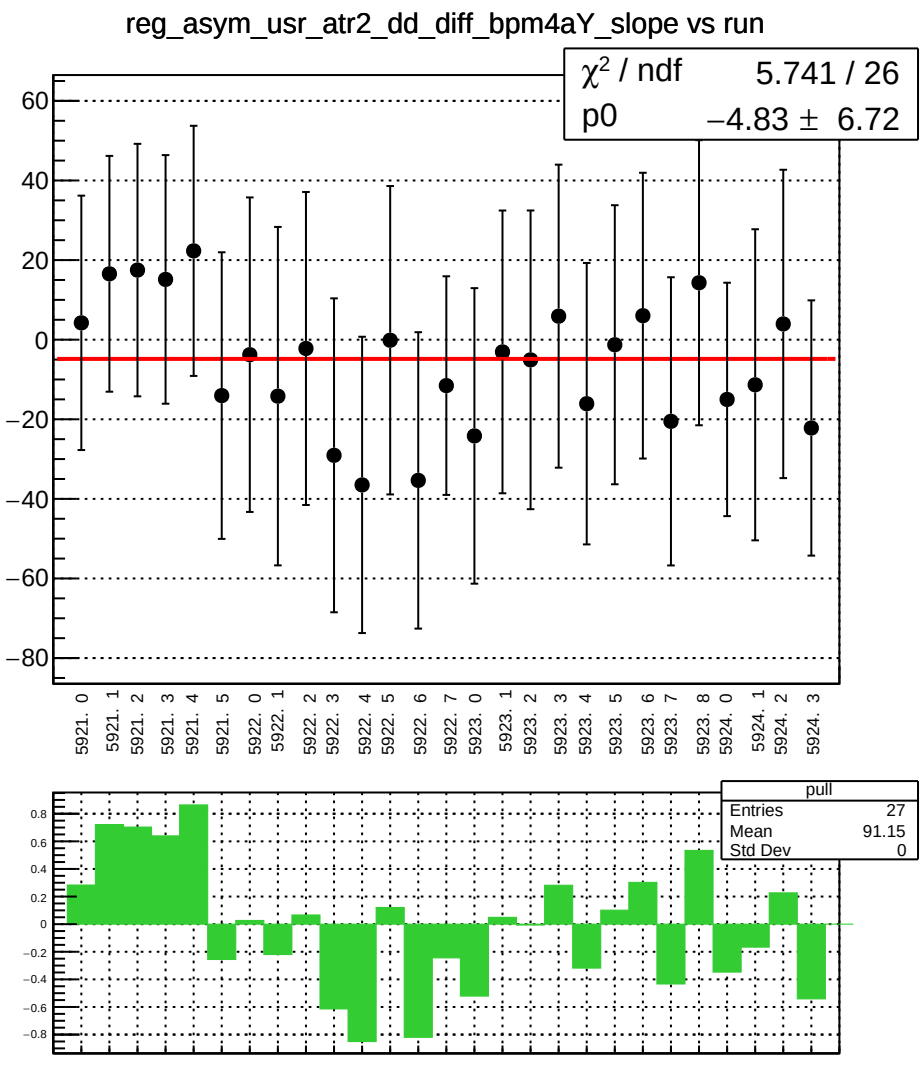

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.185 / 26
p0 425.1 ± 9.437
550
500
450
400
350
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −79.31
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 27
Mean −0.009988
Std Dev 0.4381
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

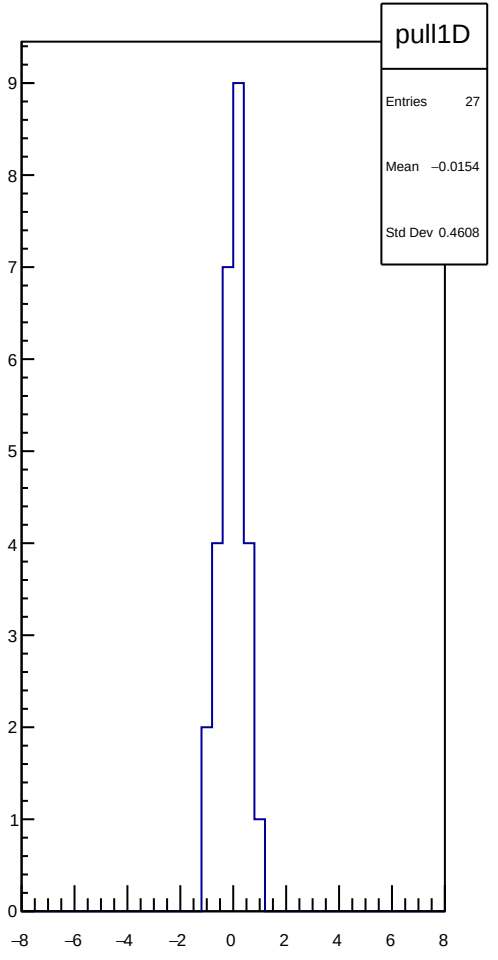

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.474 / 26
p0 52.16 ± 10.69
150
100
50
0
−50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 95.03
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 27
Mean −0.01677
Std Dev 0.4499
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

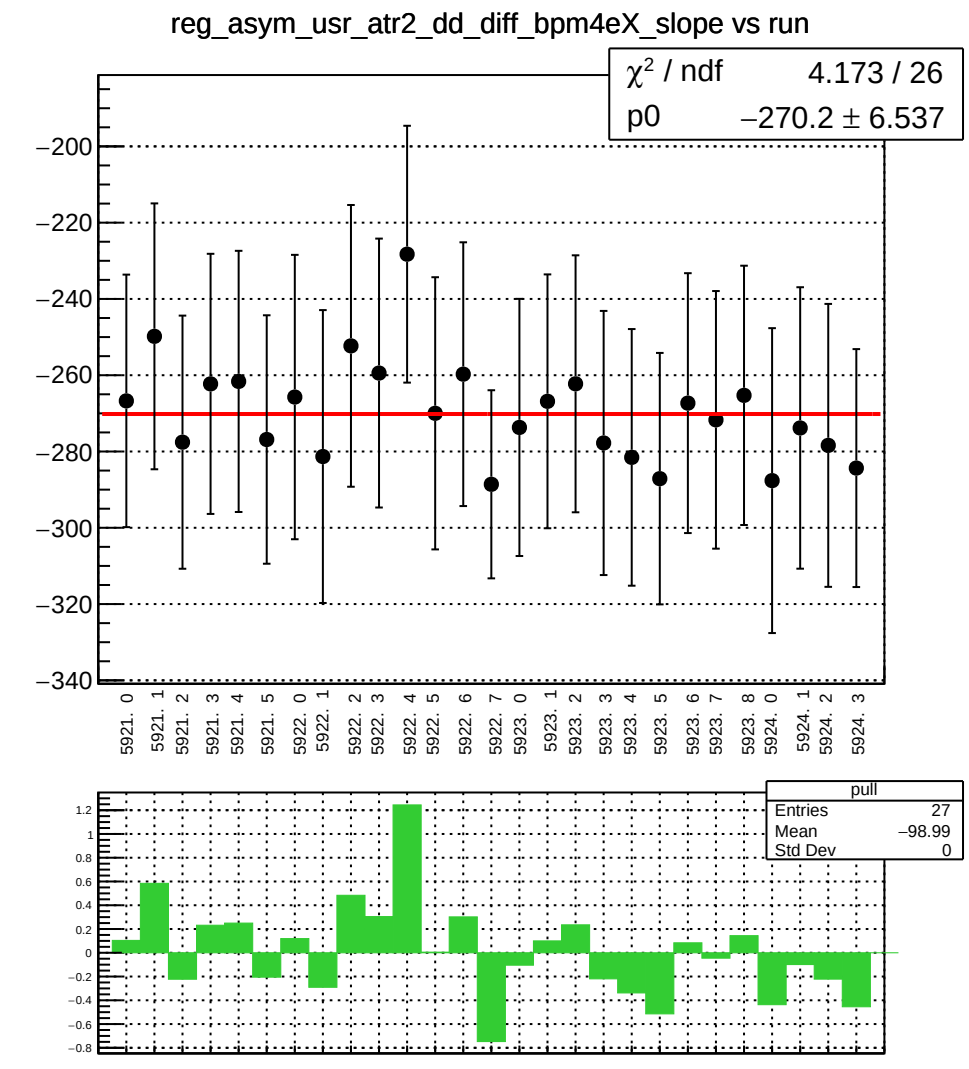

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs run
χ² / ndf 8.978 / 26
p0 −139.5 ± 0.7307
−130
−135
−140
−145
−150
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −137.5
Std Dev 0
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean 0.01124
Std Dev 0.5765
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

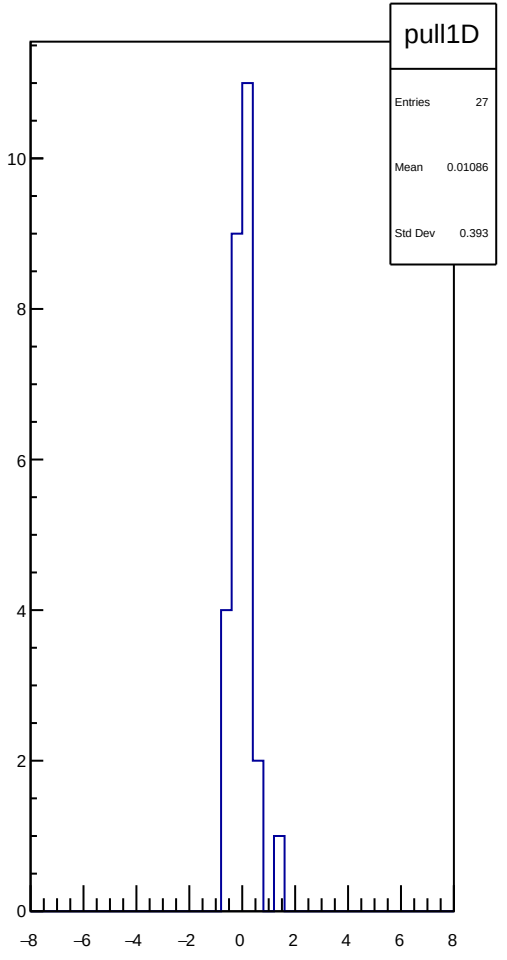

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs run
χ² / ndf 4.109 / 26
p0 153.5 ± 4.586
180
160
140
120
100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −84.06
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

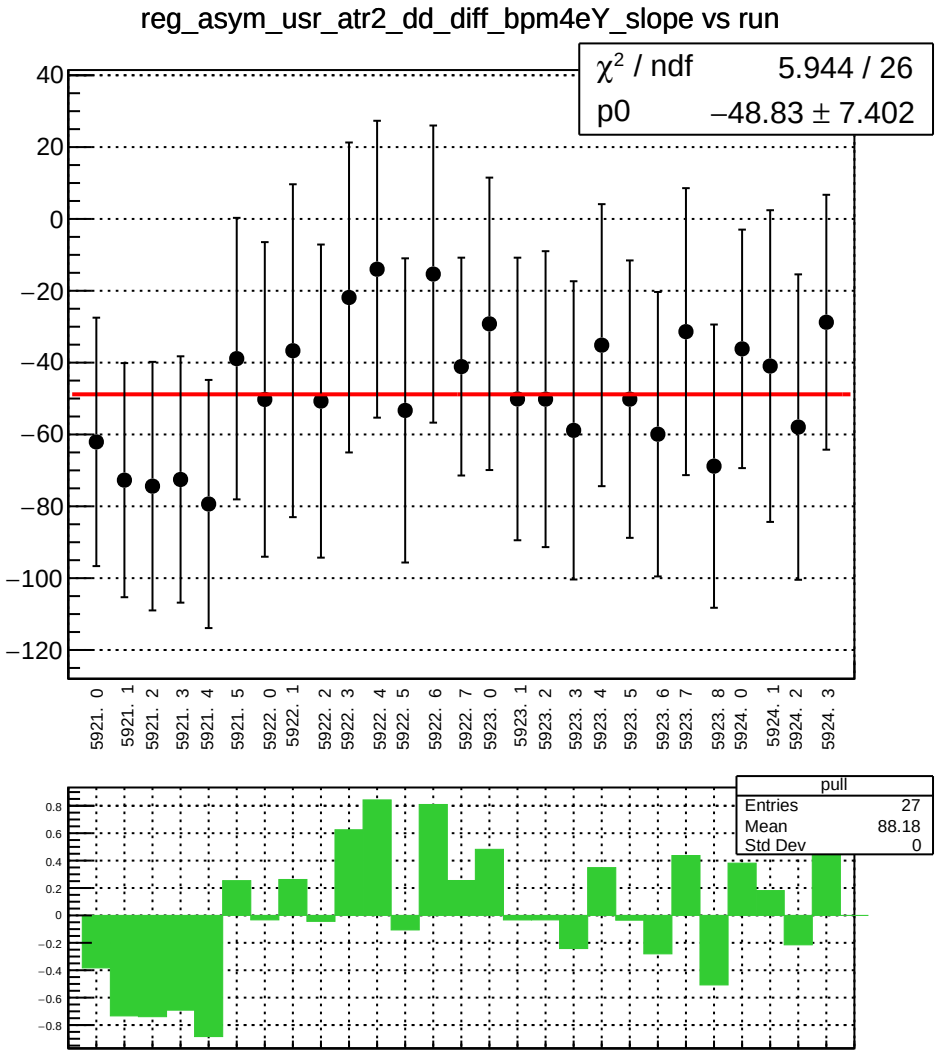

pull1D
Entries 27
Mean −0.01376
Std Dev 0.3899
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

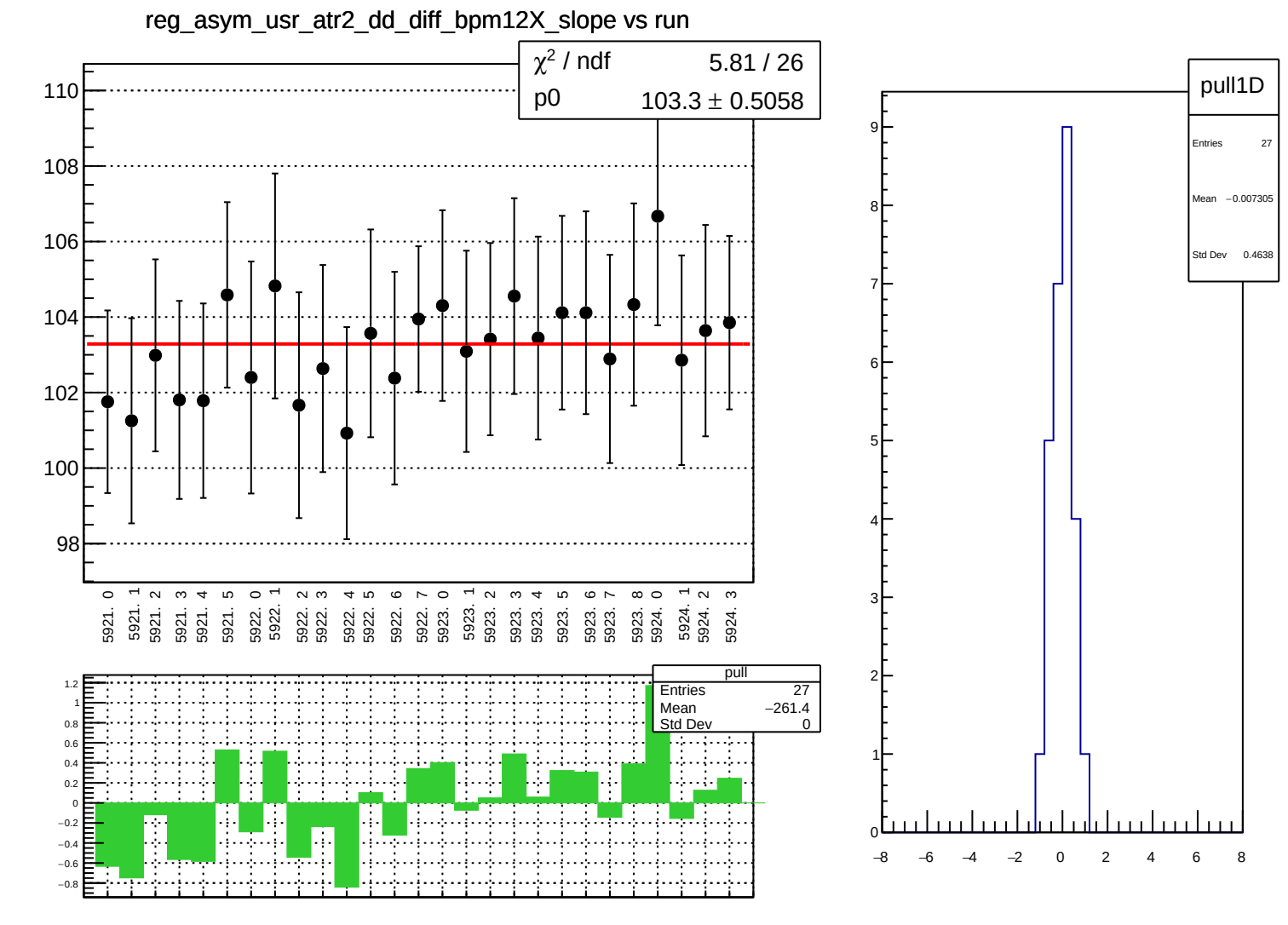

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.741 / 26
p0 −4.83 ± 6.72
60
40
20
0
−20
−40
−60
−80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 91.15
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

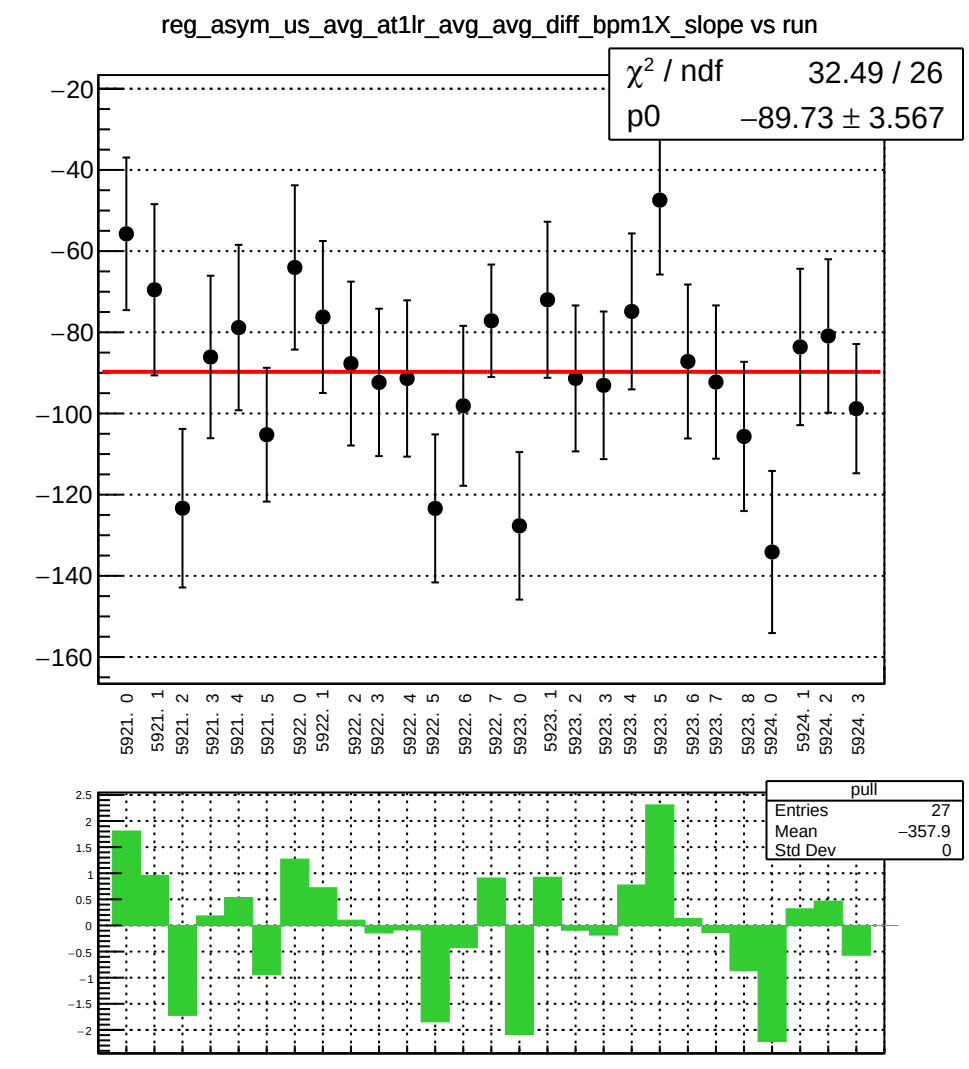

pull1D
Entries 27
Mean −0.0154
Std Dev 0.4608
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

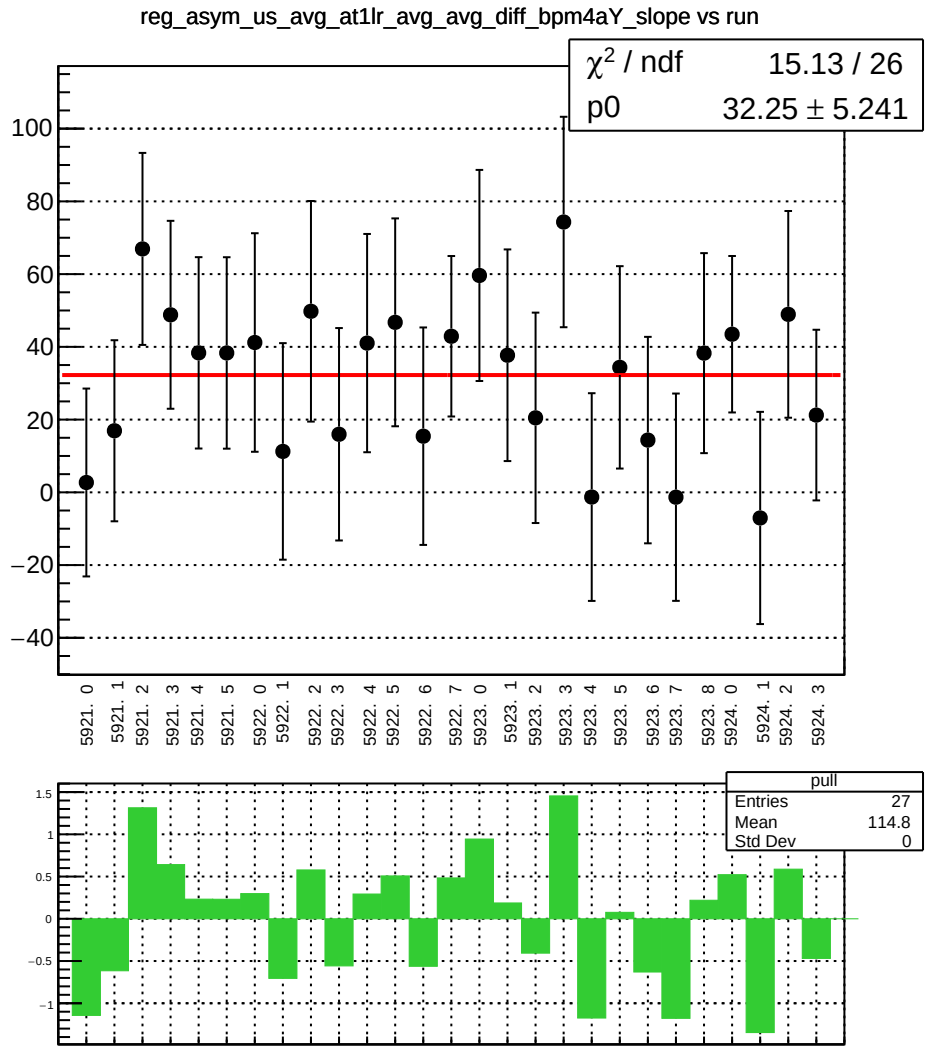

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.173 / 26
p0 −270.2 ± 6.537
−200
−220
−240
−260
−280
−300
−320
−340
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −98.99
Std Dev 0
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

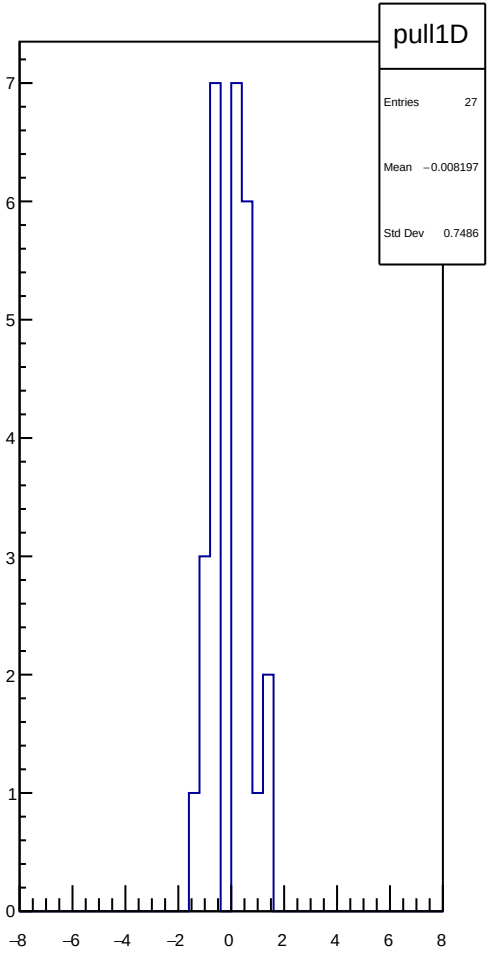

pull1D
Entries 27
Mean 0.01086
Std Dev 0.393
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

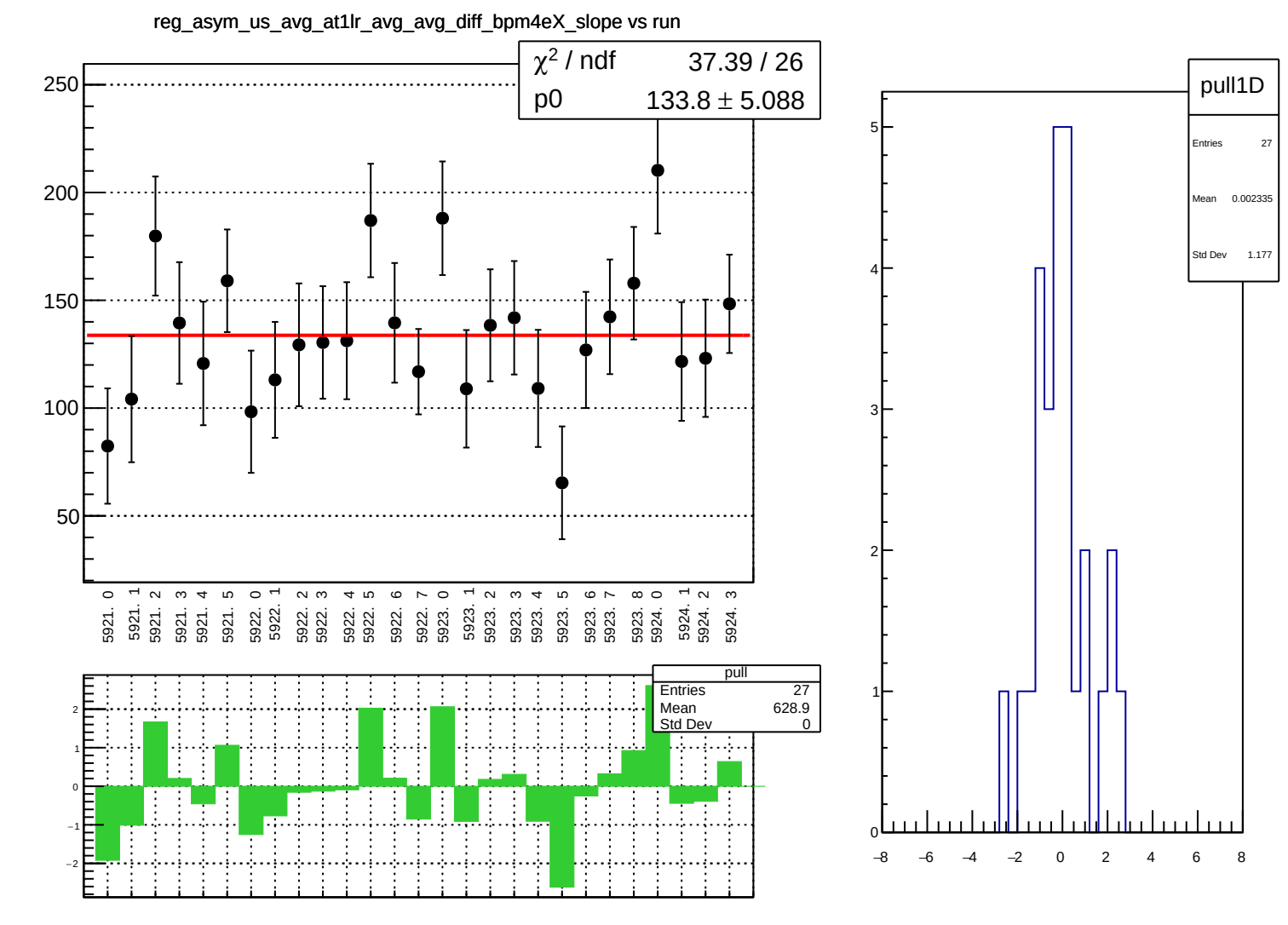

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.944 / 26
p0 −48.83 ± 7.402
pull
Entries 27
Mean 88.18
Std Dev 0
pull1D
Entries 27
Mean 0.01807
Std Dev 0.4688

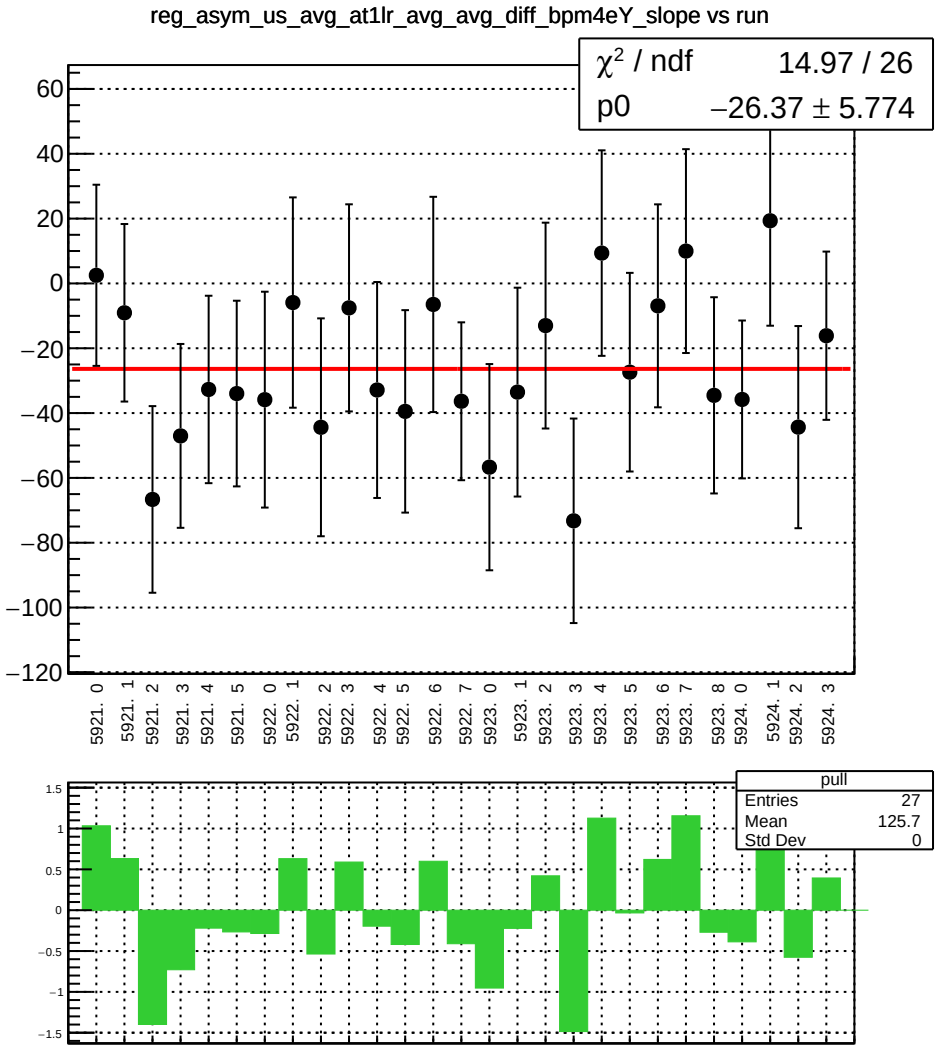

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs run
χ² / ndf 5.81 / 26
p0 103.3 ± 0.5058
110
108
106
104
102
100
98
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −261.4
Std Dev 0
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 27
Mean −0.007305
Std Dev 0.4638
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

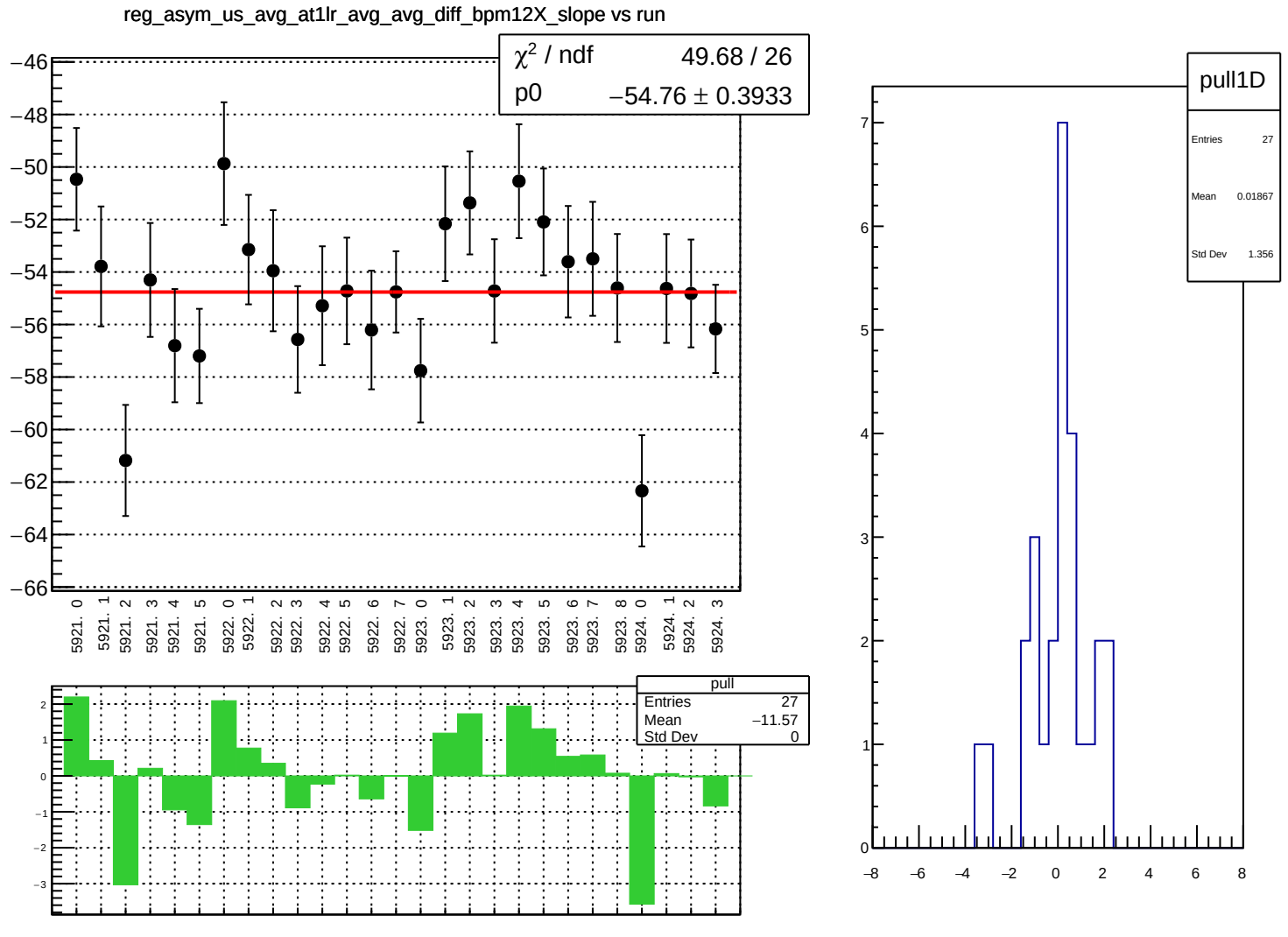

reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 32.49 / 26
p0 −89.73 ± 3.567
pull
Entries 27
Mean −357.9
Std Dev 0
pull1D
Entries 27
Mean 0.003587
Std Dev 1.097

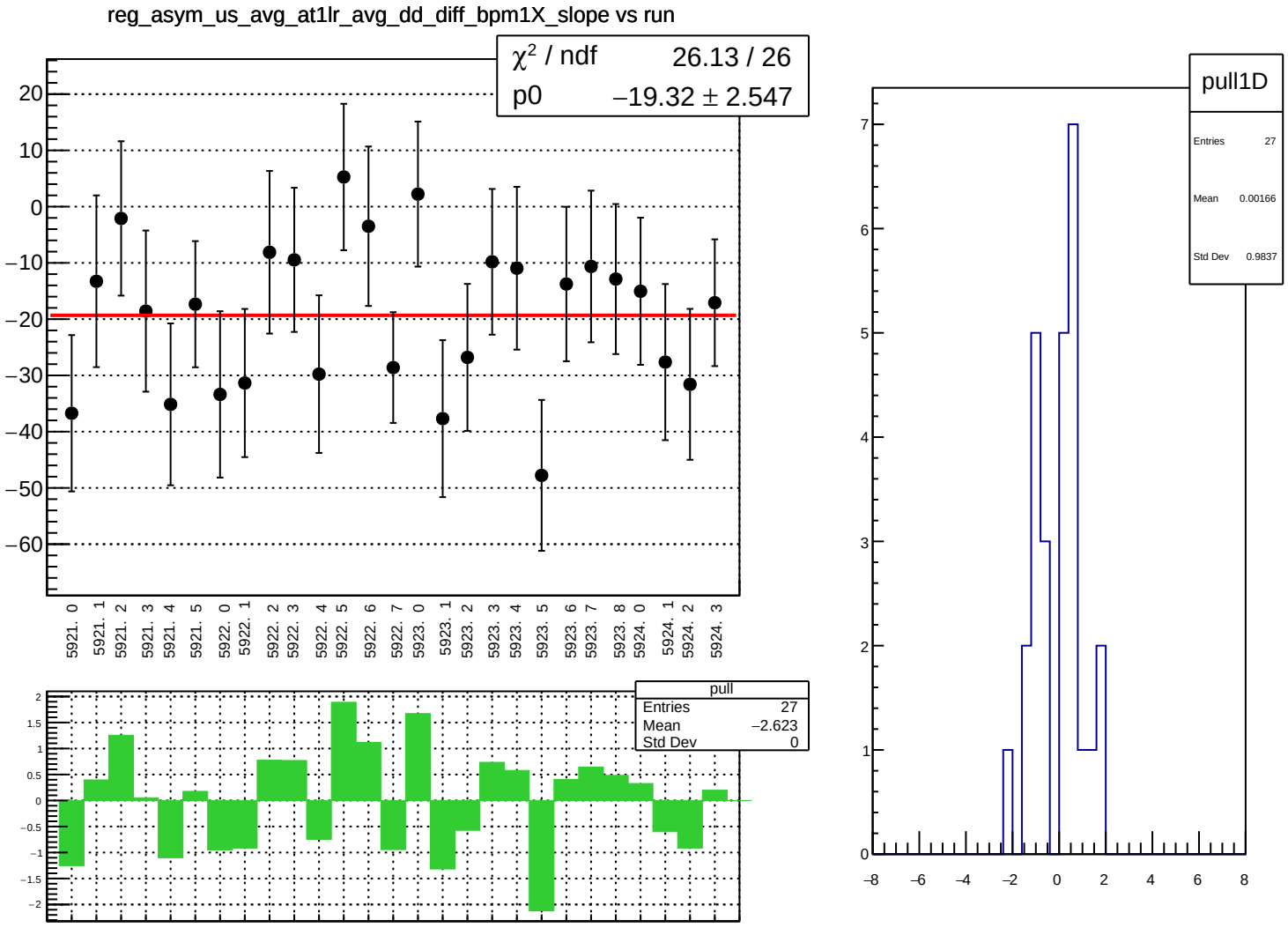

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 15.13 / 26
p0 32.25 ± 5.241
100
80
60
40
20
0
−20
−40
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 114.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1

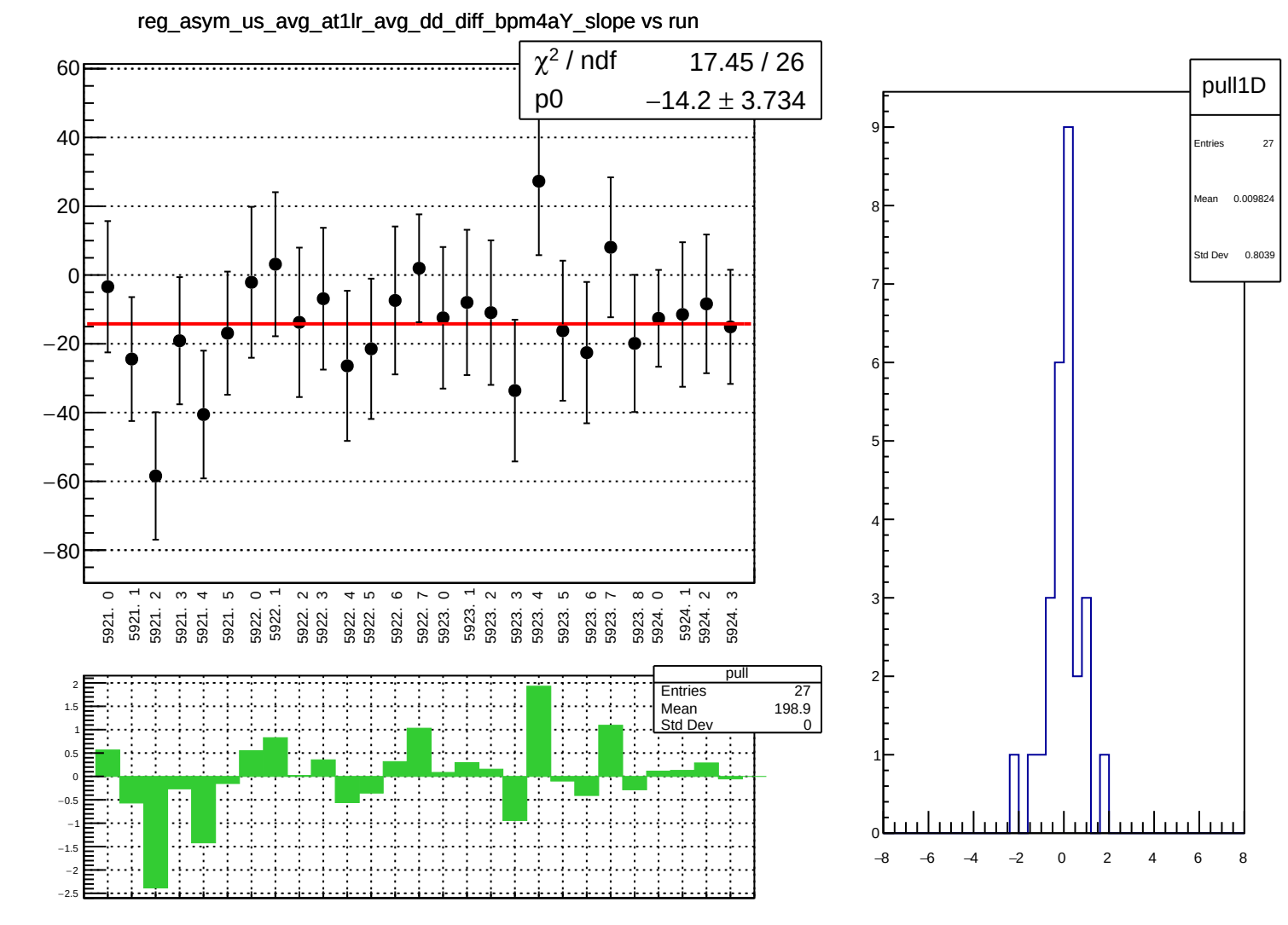

pull1D
Entries 27
Mean −0.008197
Std Dev 0.7486
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

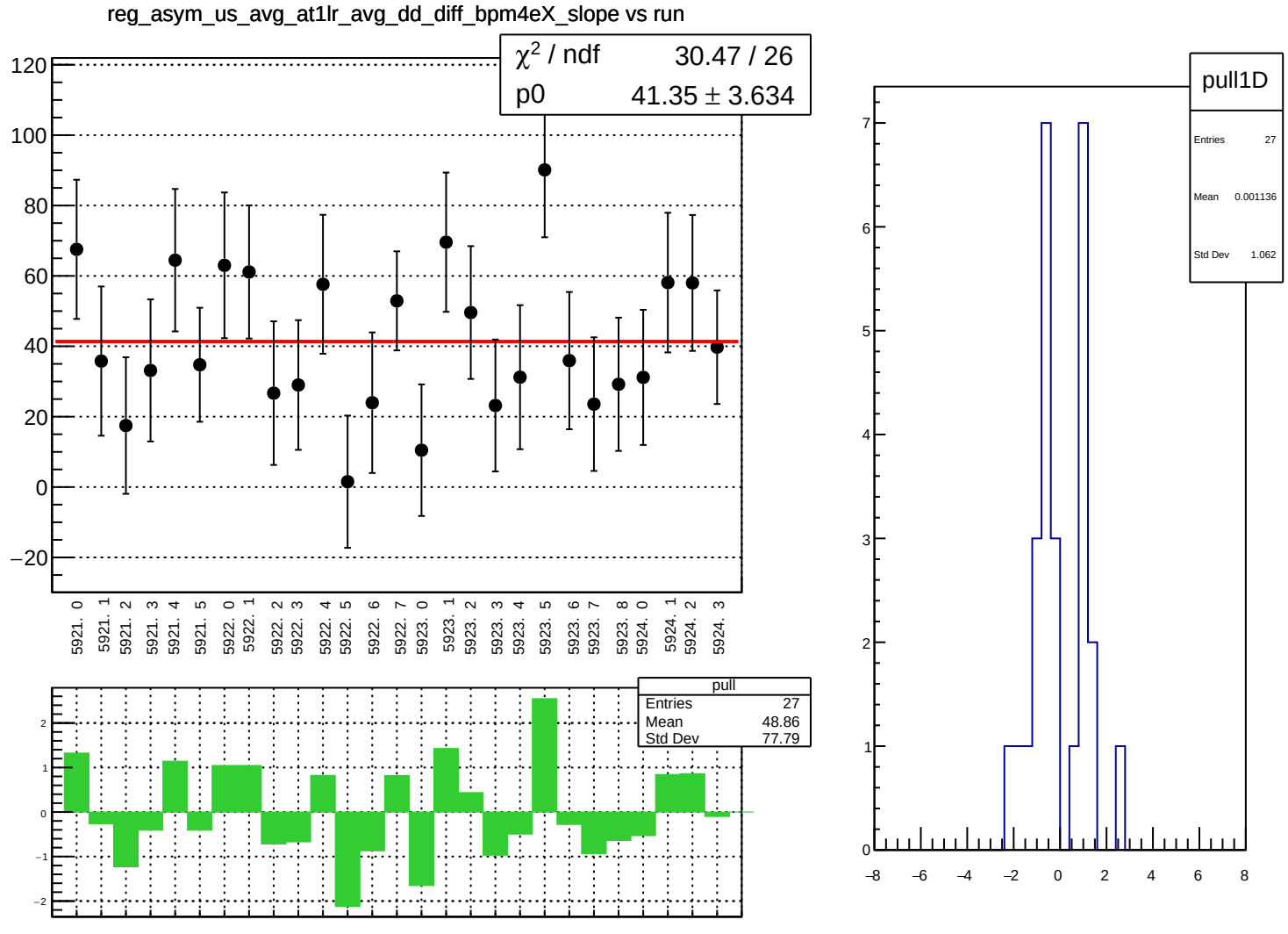

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 37.39 / 26
p0 133.8 ± 5.088
250
200
150
100
50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 628.9
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.002335
Std Dev 1.177
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

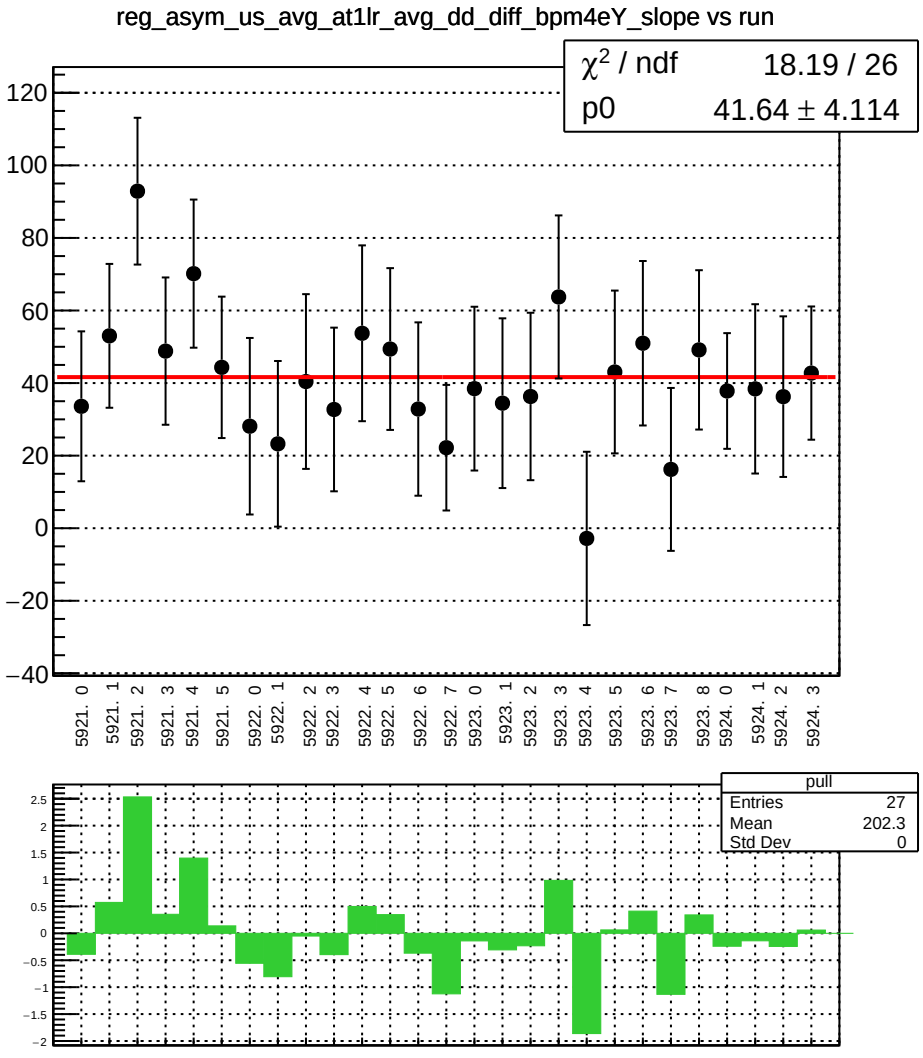

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 14.97 / 26
p0 −26.37 ± 5.774
pull
Entries 27
Mean 125.7
Std Dev 0
pull1D
Entries 27
Mean 0.008421
Std Dev 0.7445

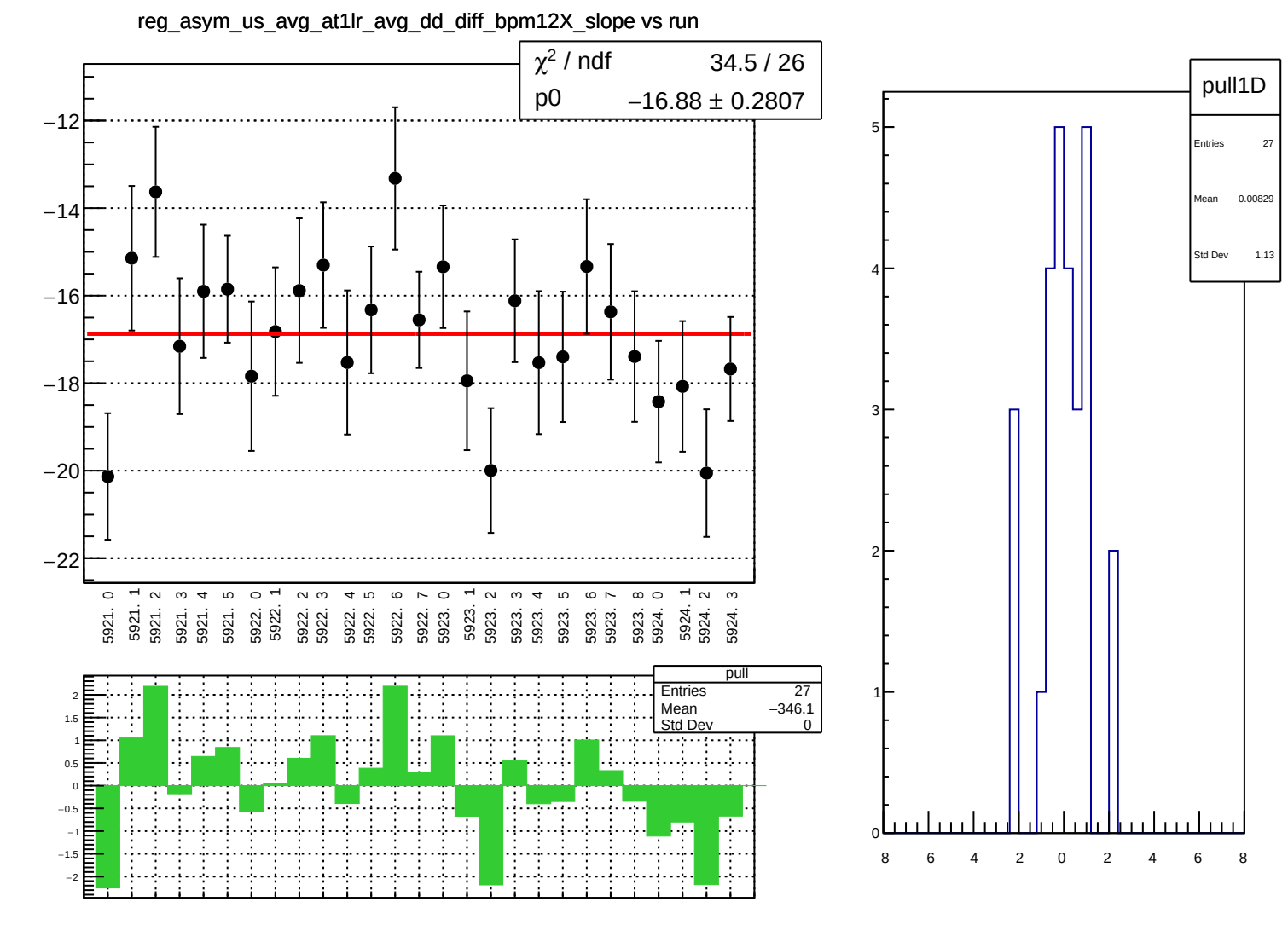

reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 49.68 / 26
p0 −54.76 ± 0.3933
pull
Entries 27
Mean −11.57
Std Dev 0
pull1D
Entries 27
Mean 0.01867
Std Dev 1.356

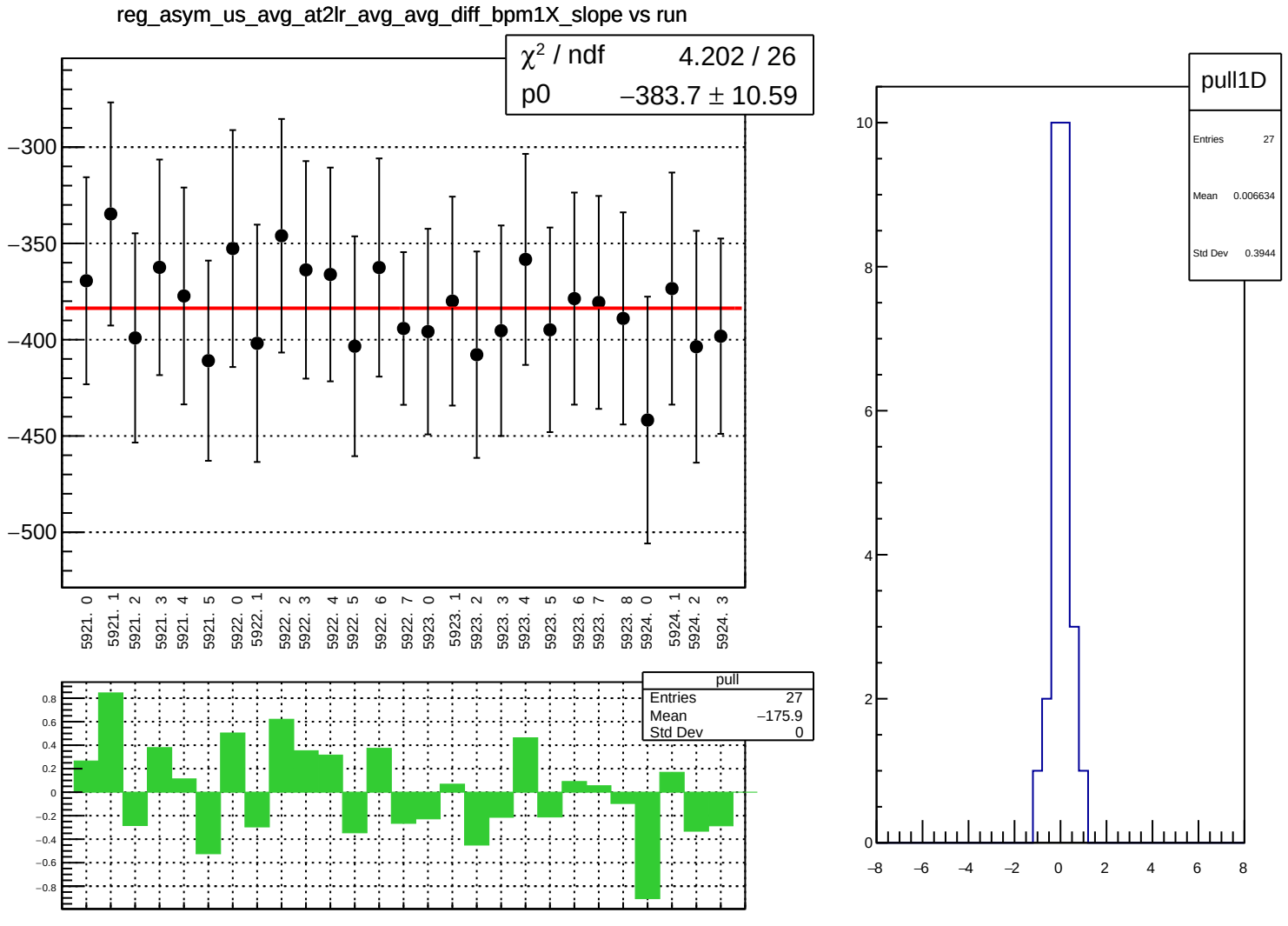

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 26.13 / 26
p0 −19.32 ± 2.547
pull
Entries 27
Mean −2.623
Std Dev 0
pull1D
Entries 27
Mean 0.00166
Std Dev 0.9837

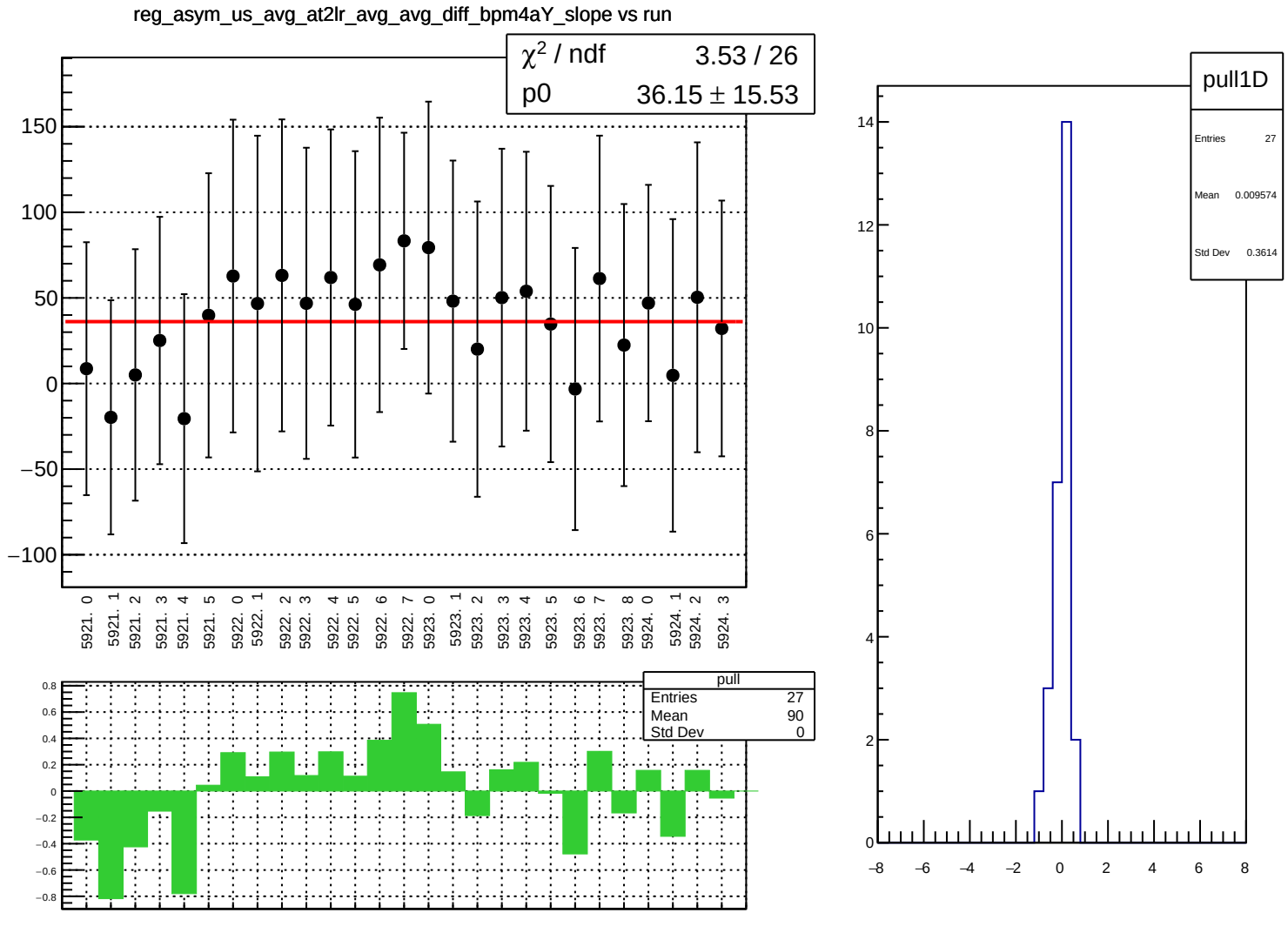

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 17.45 / 26
p0 −14.2 ± 3.734
60
40
20
0
−20
−40
−60
−80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 198.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 27
Mean 0.009824
Std Dev 0.8039
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

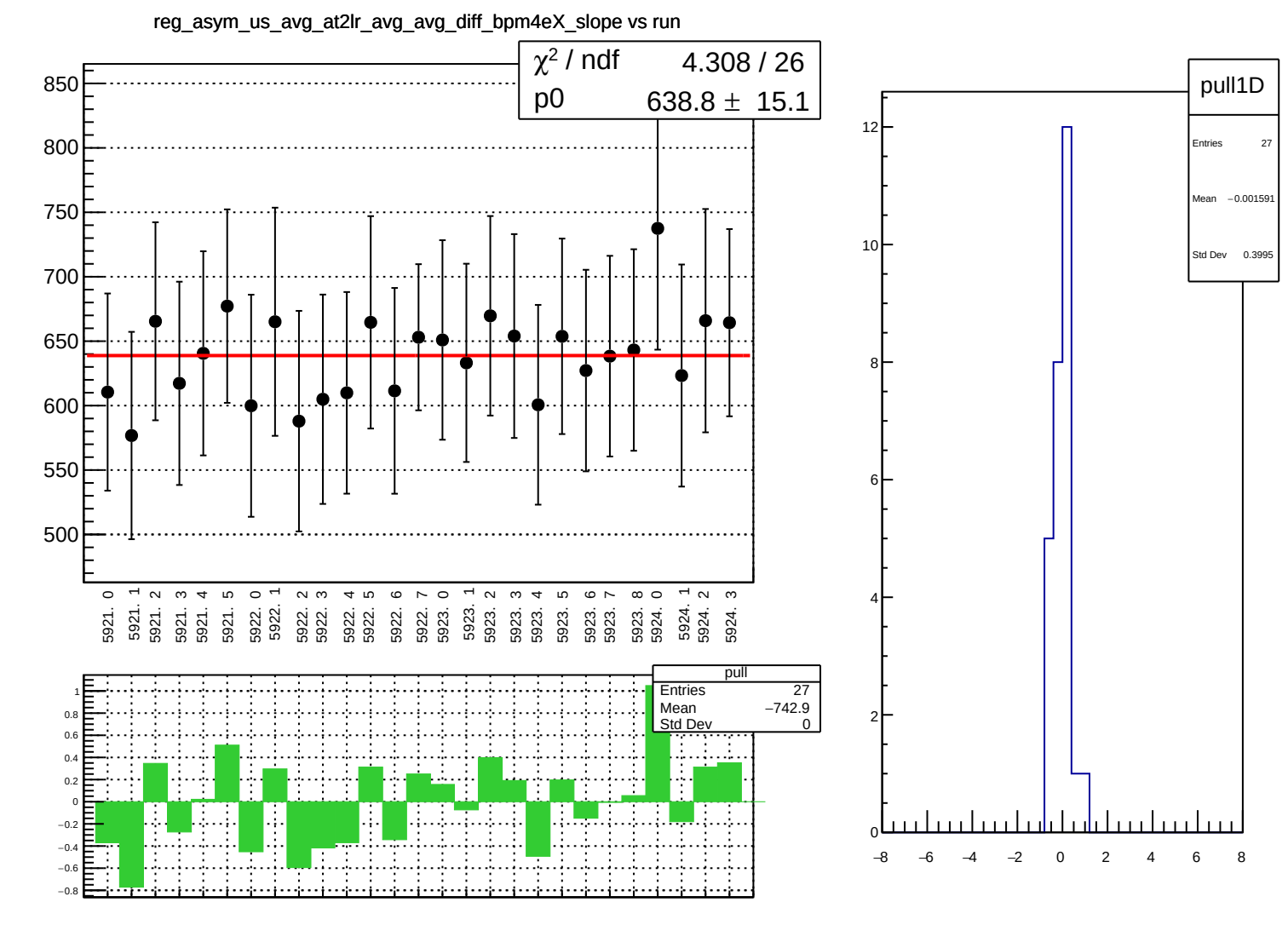

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 30.47 / 26
p0 41.35 ± 3.634
120
100
80
60
40
20
0
−20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 48.86
Std Dev 77.79
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.001136
Std Dev 1.062
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

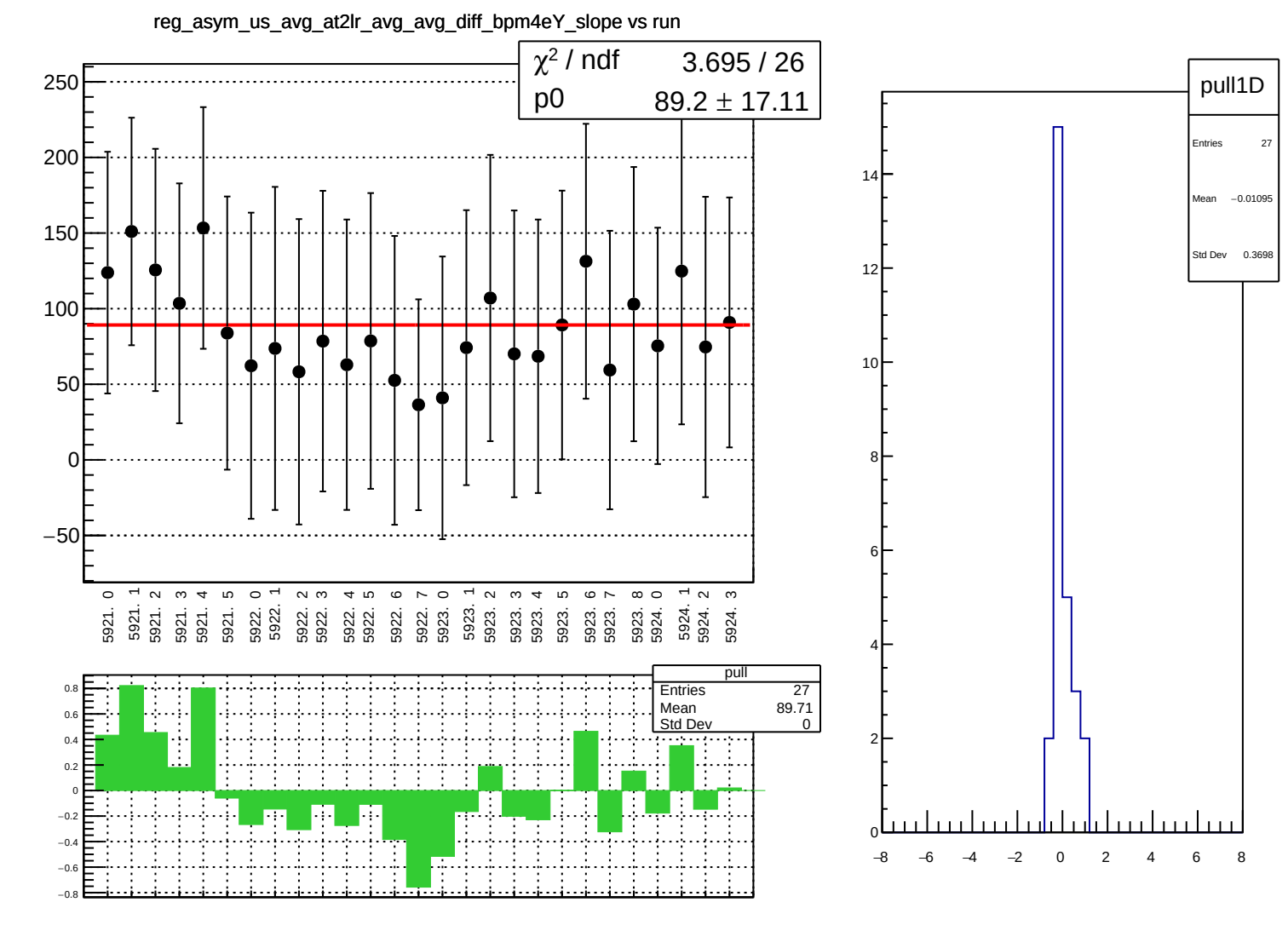

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 18.19 / 26
p0 41.64 ± 4.114
pull
Entries 27
Mean 202.3
Std Dev 0
pull1D
Entries 27
Mean −0.01055
Std Dev 0.8208

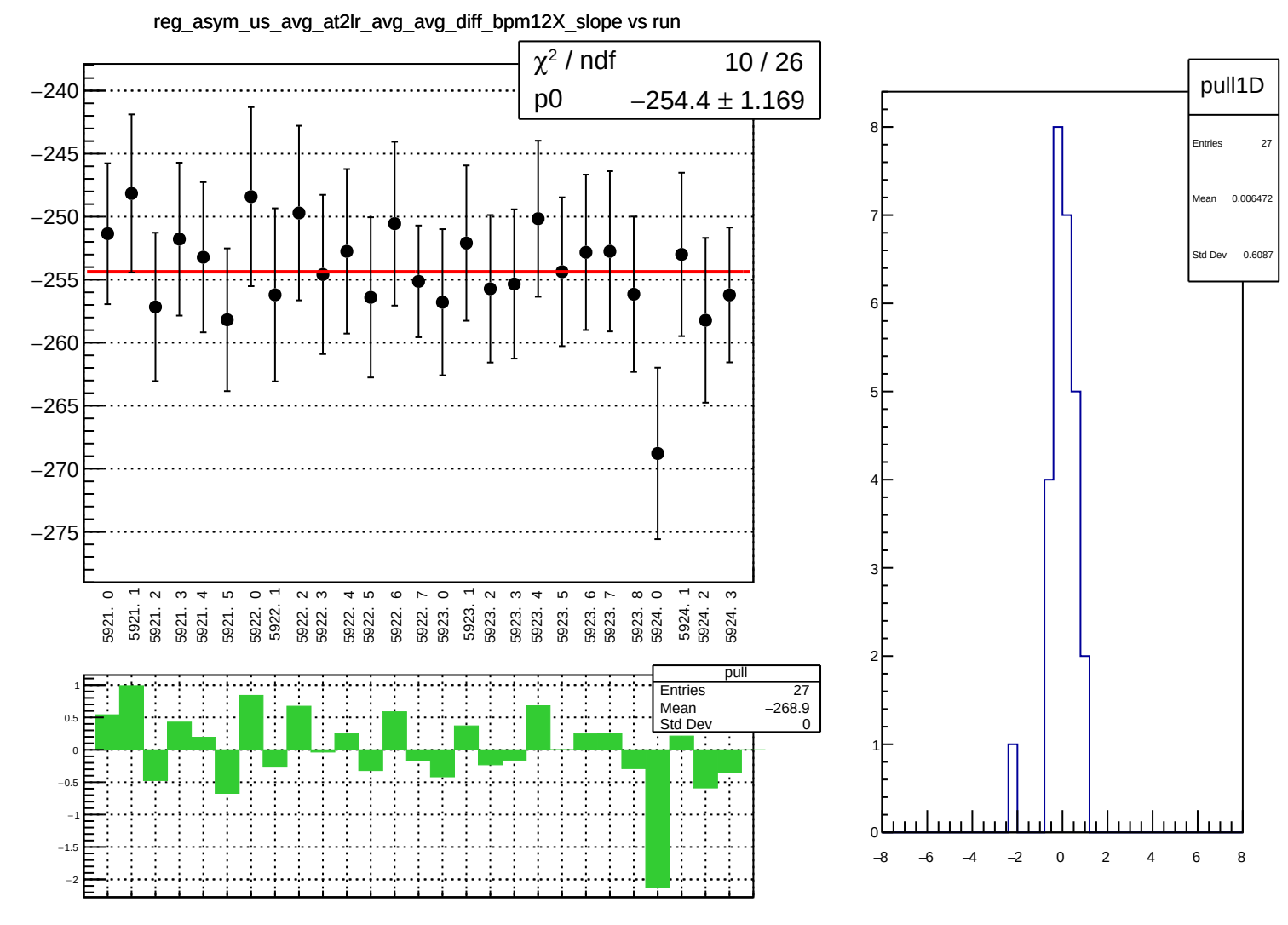

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 34.5 / 26
p0 −16.88 ± 0.2807
−12
−14
−16
−18
−20
−22
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −346.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean 0.00829
Std Dev 1.13
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

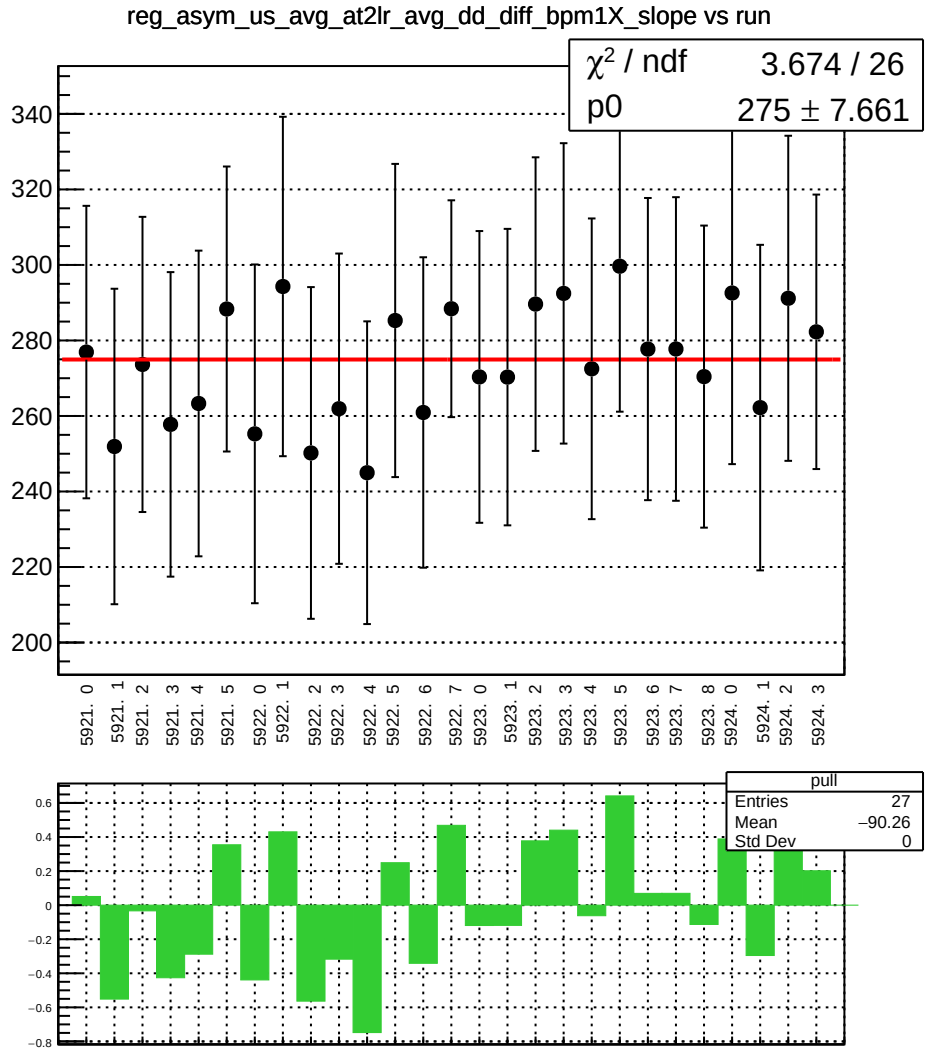

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 4.202 / 26
p0 −383.7 ± 10.59
−300
−350
−400
−450
−500
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −175.9
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 27
Mean 0.006634
Std Dev 0.3944
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

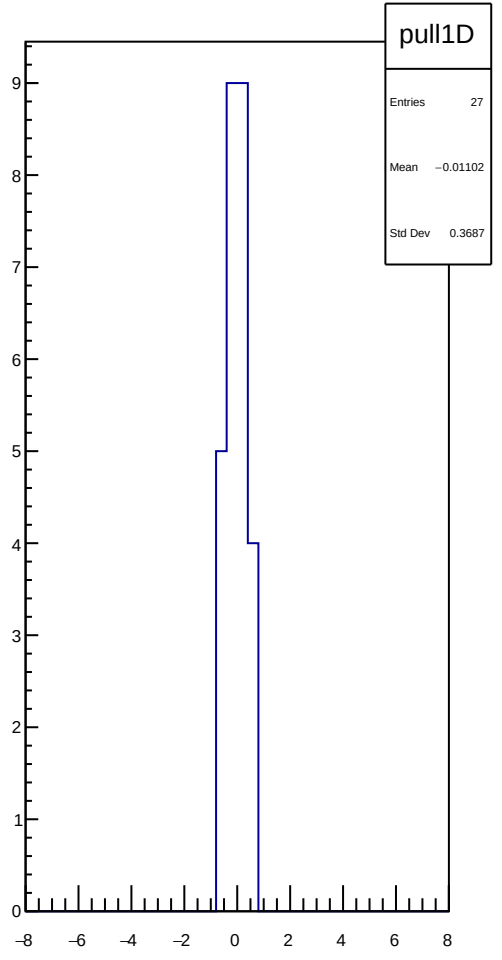

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.53 / 26
p0 36.15 ± 15.53
150
100
50
0
−50
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 90
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 27
Mean 0.009574
Std Dev 0.3614
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

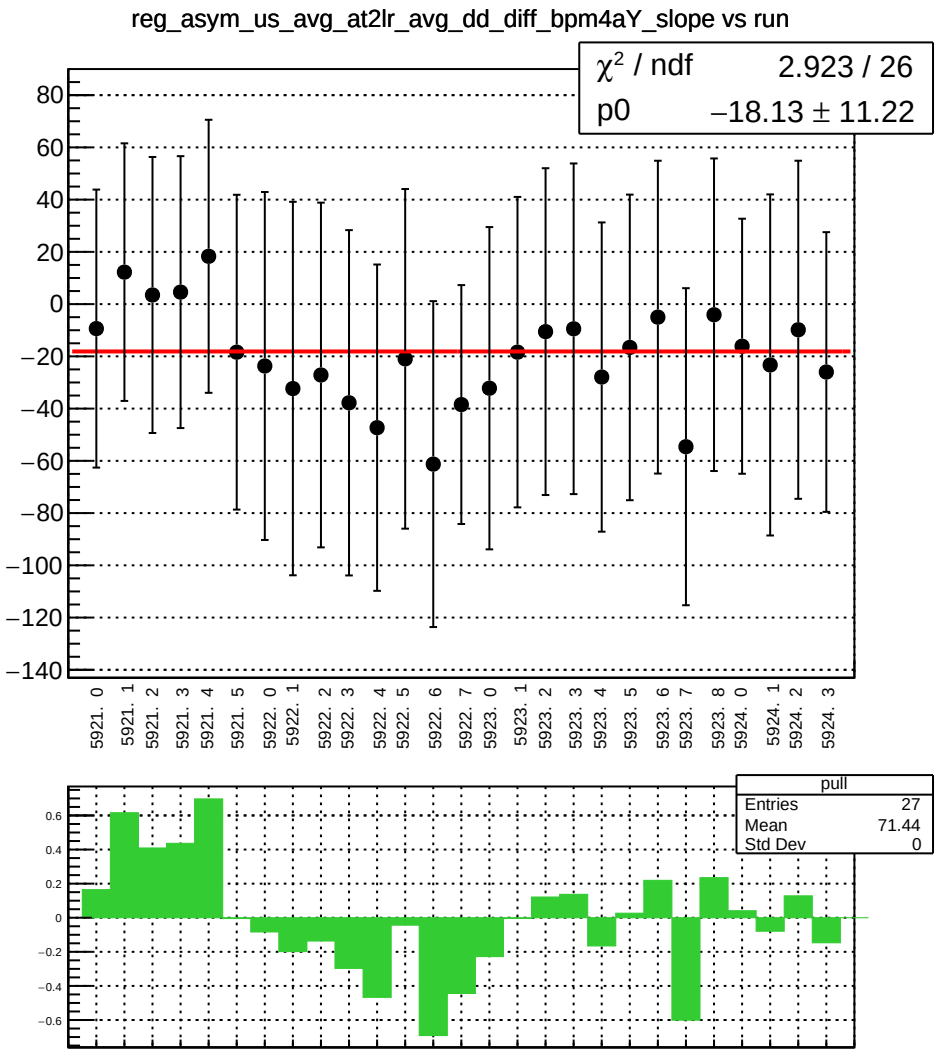

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.308 / 26
p0 638.8 ± 15.1
850
800
750
700
650
600
550
500
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −742.9
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 27
Mean −0.001591
Std Dev 0.3995
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

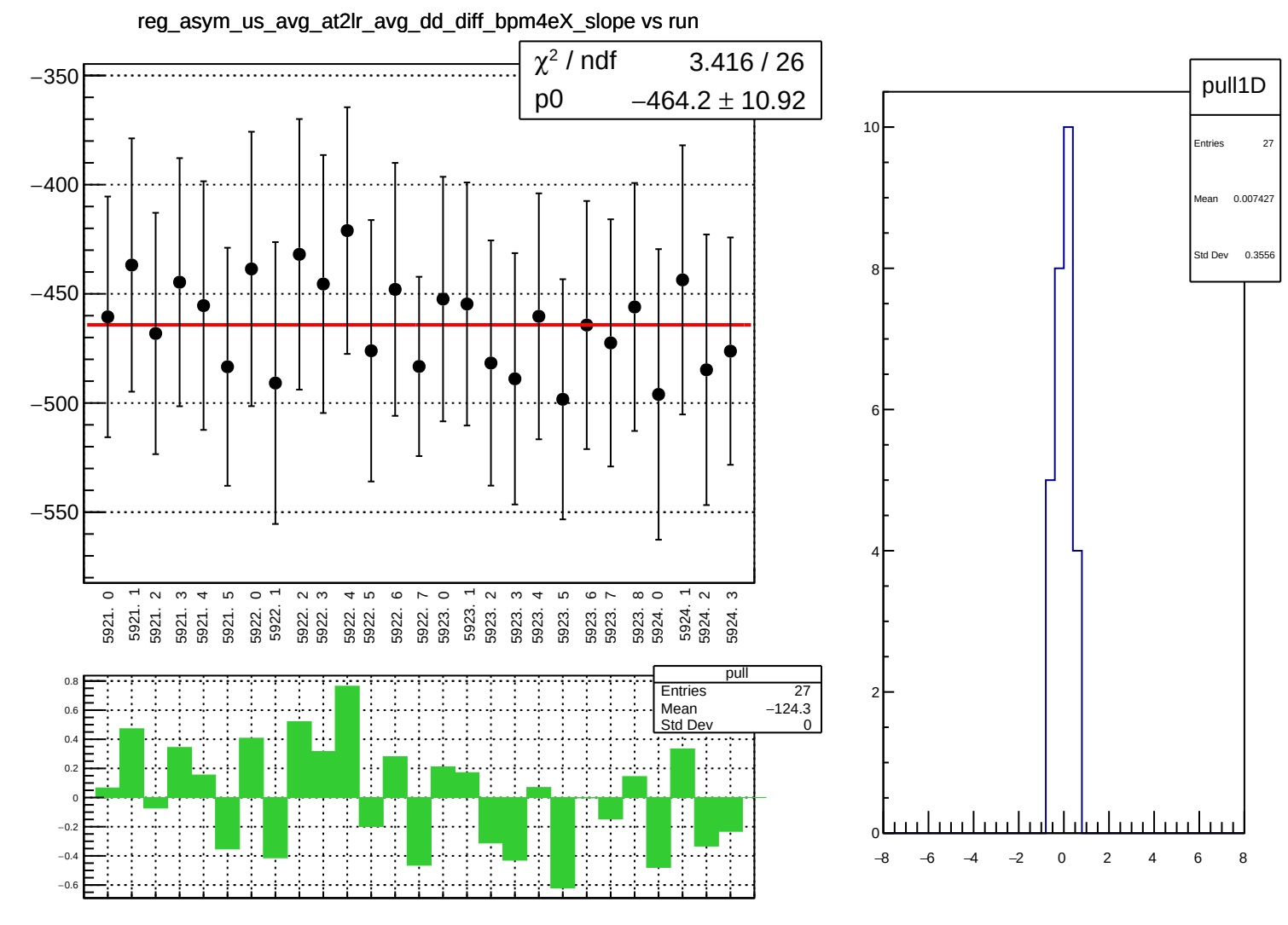

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.695 / 26
p0 89.2 ± 17.11
250
200
150
100
50
0
−50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 89.71
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 27
Mean −0.01095
Std Dev 0.3698
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

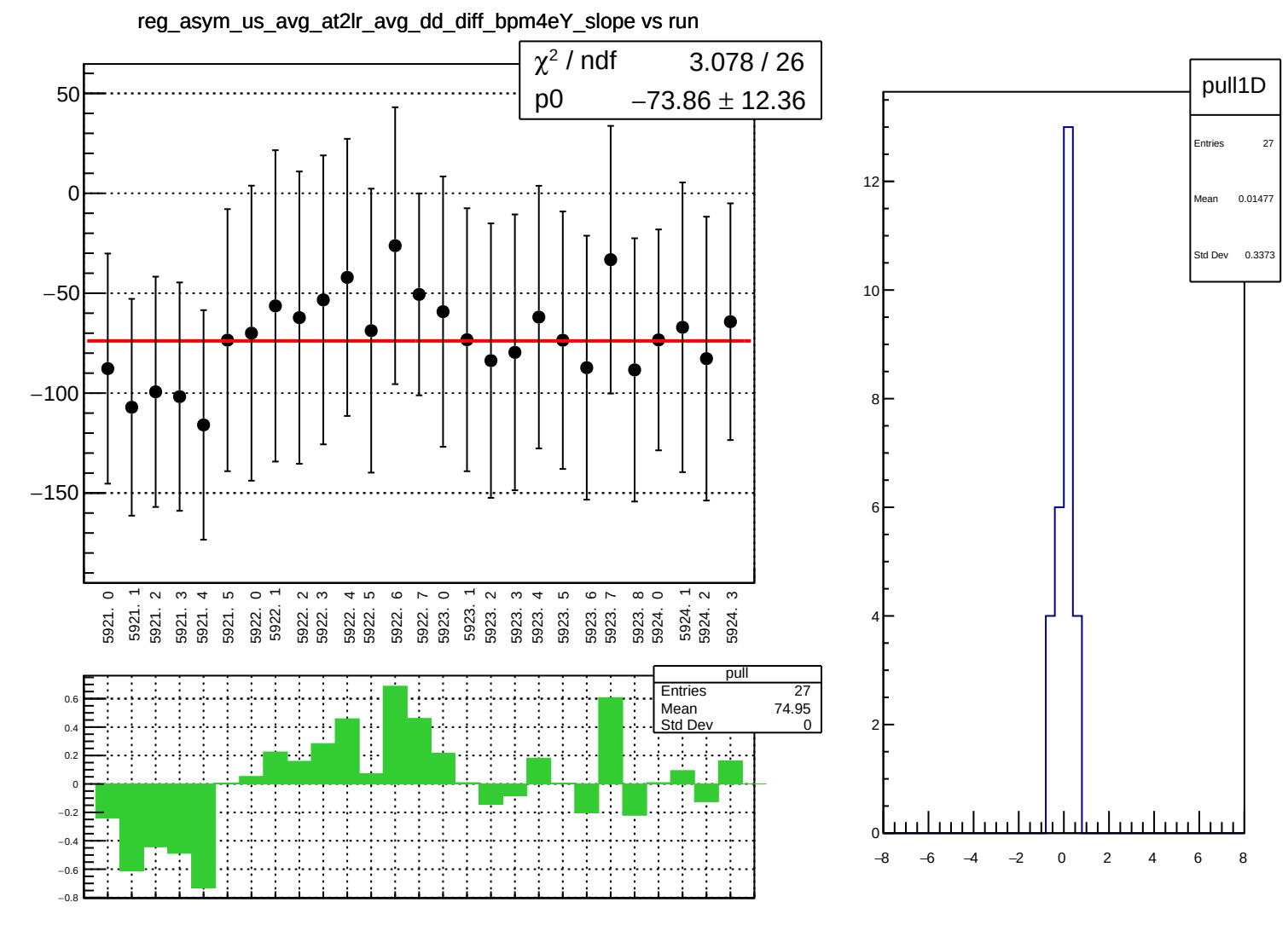

reg_asym_us_avg_at2lr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 10 / 26
p0 −254.4 ± 1.169
−240
−245
−250
−255
−260
−265
−270
−275
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −268.9
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean 0.006472
Std Dev 0.6087
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

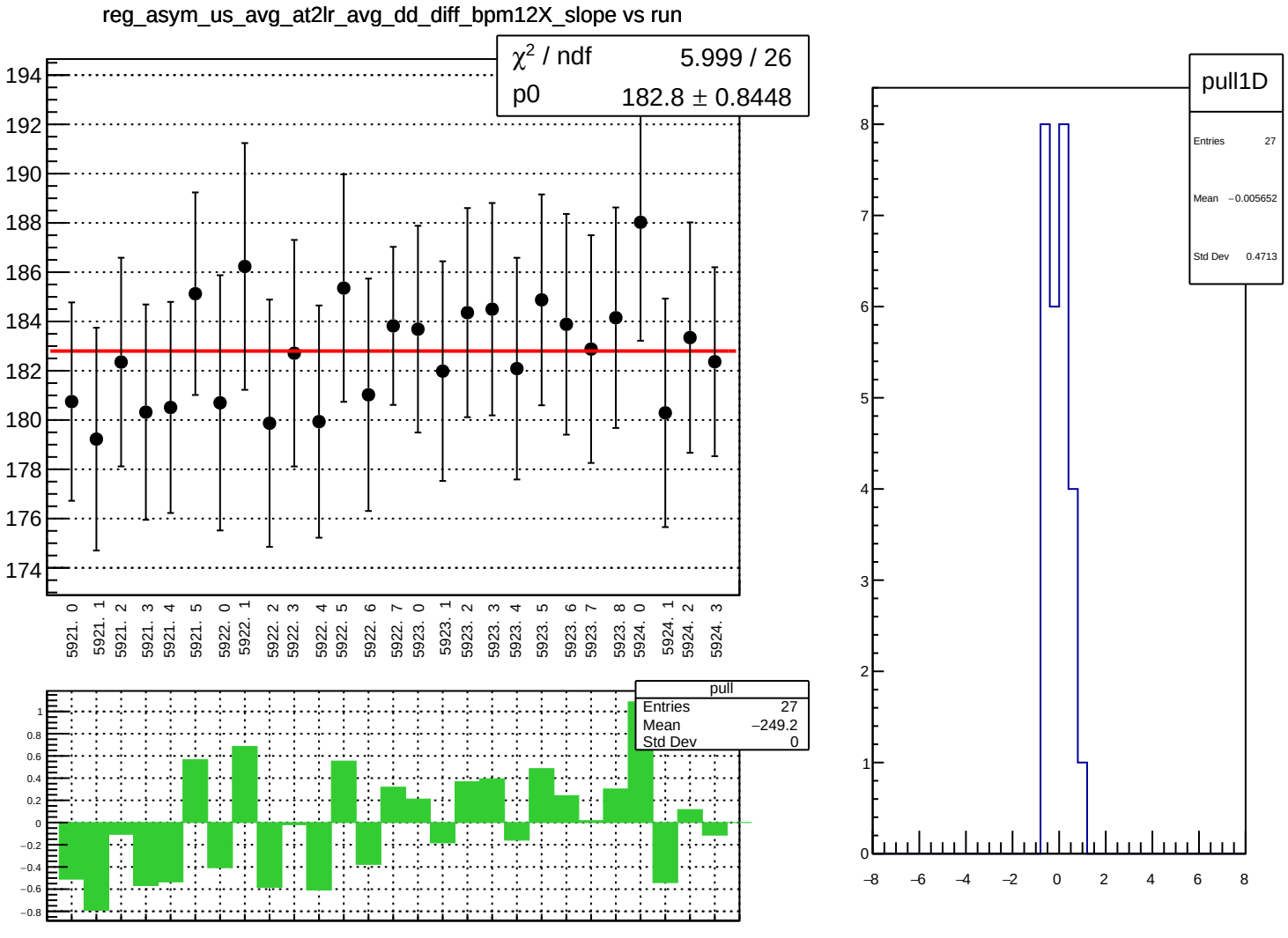

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 3.674 / 26
p0 275 ± 7.661
340
320
300
280
260
240
220
200
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −90.26
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

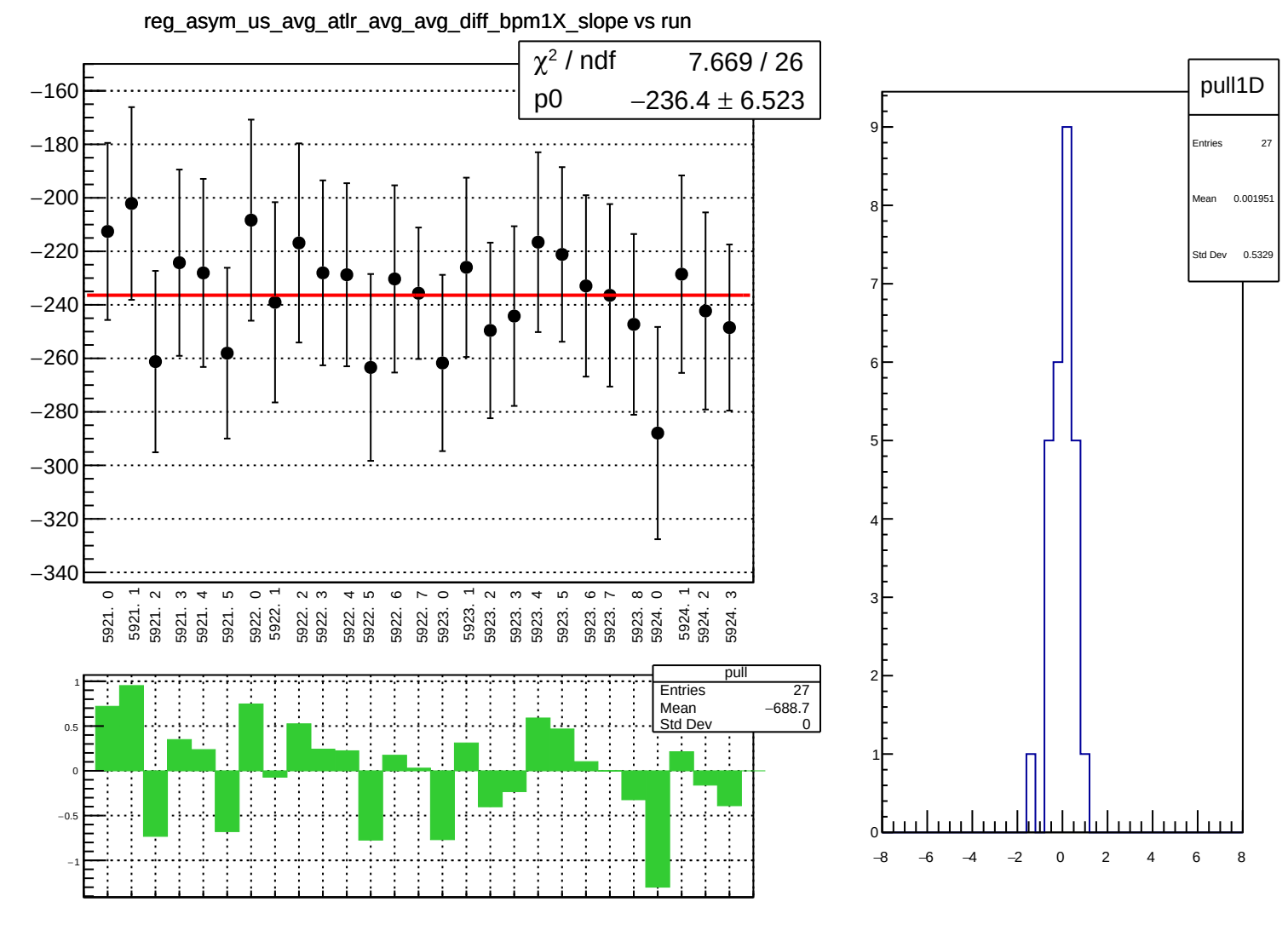

pull1D
Entries 27
Mean −0.01102
Std Dev 0.3687
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

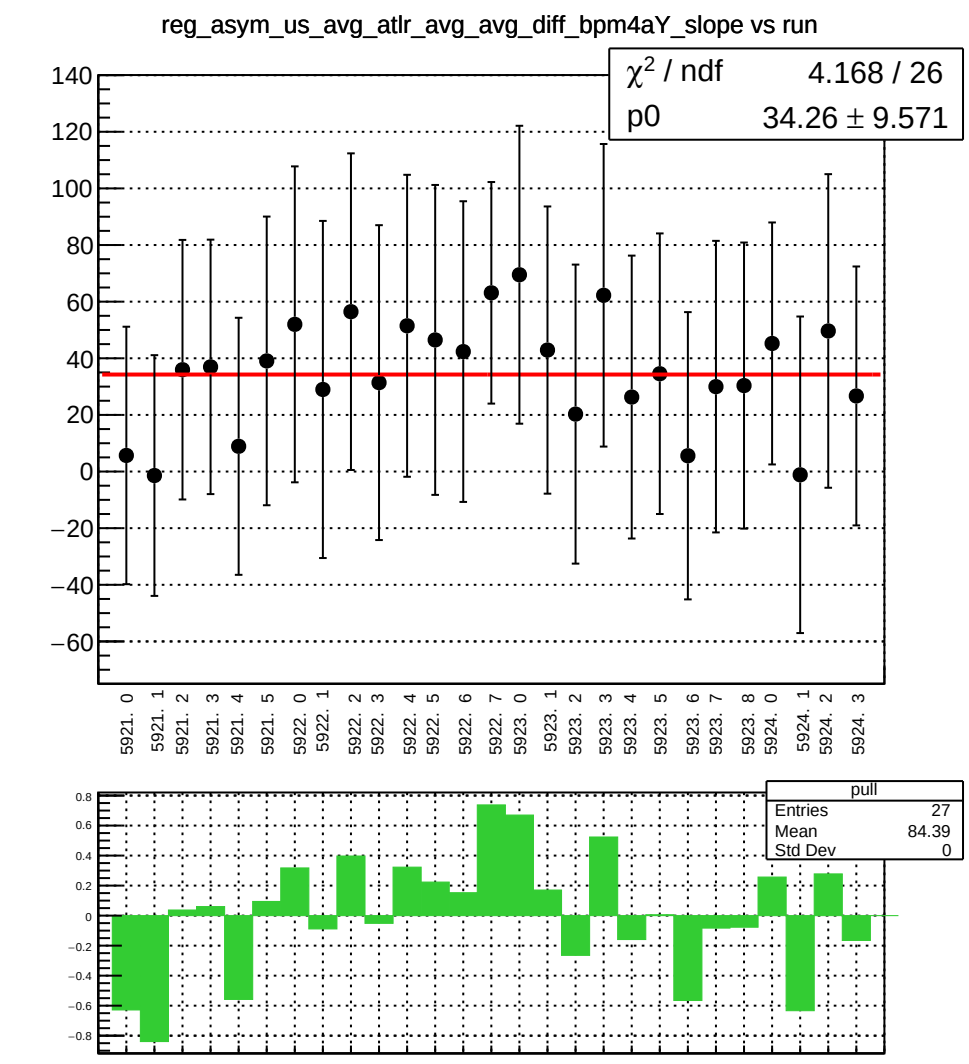

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.923 / 26
p0 −18.13 ± 11.22
80
60
40
20
0
−20
−40
−60
−80
−100
−120
−140
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 71.44
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 27
Mean −0.01328
Std Dev 0.3288
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

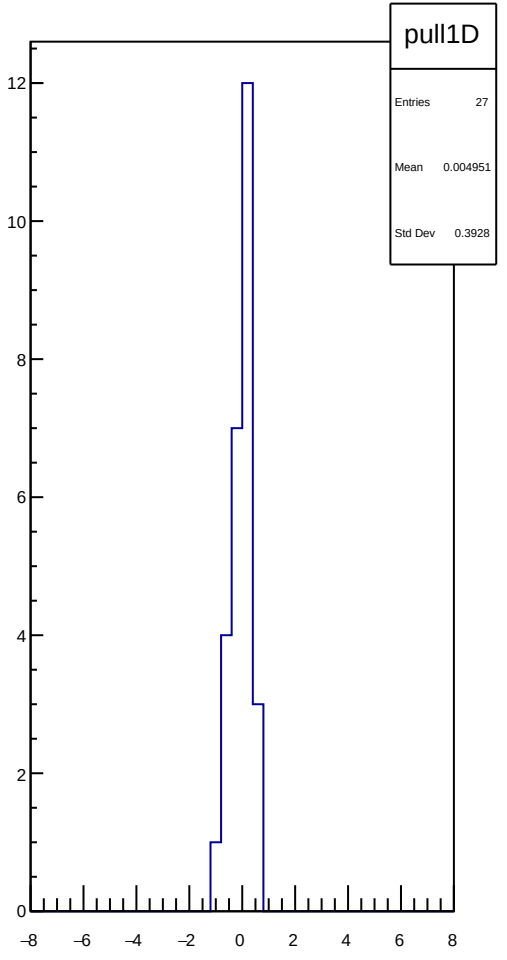

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.416 / 26
p0 −464.2 ± 10.92
−350
−400
−450
−500
−550
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −124.3
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 27
Mean 0.007427
Std Dev 0.3556
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

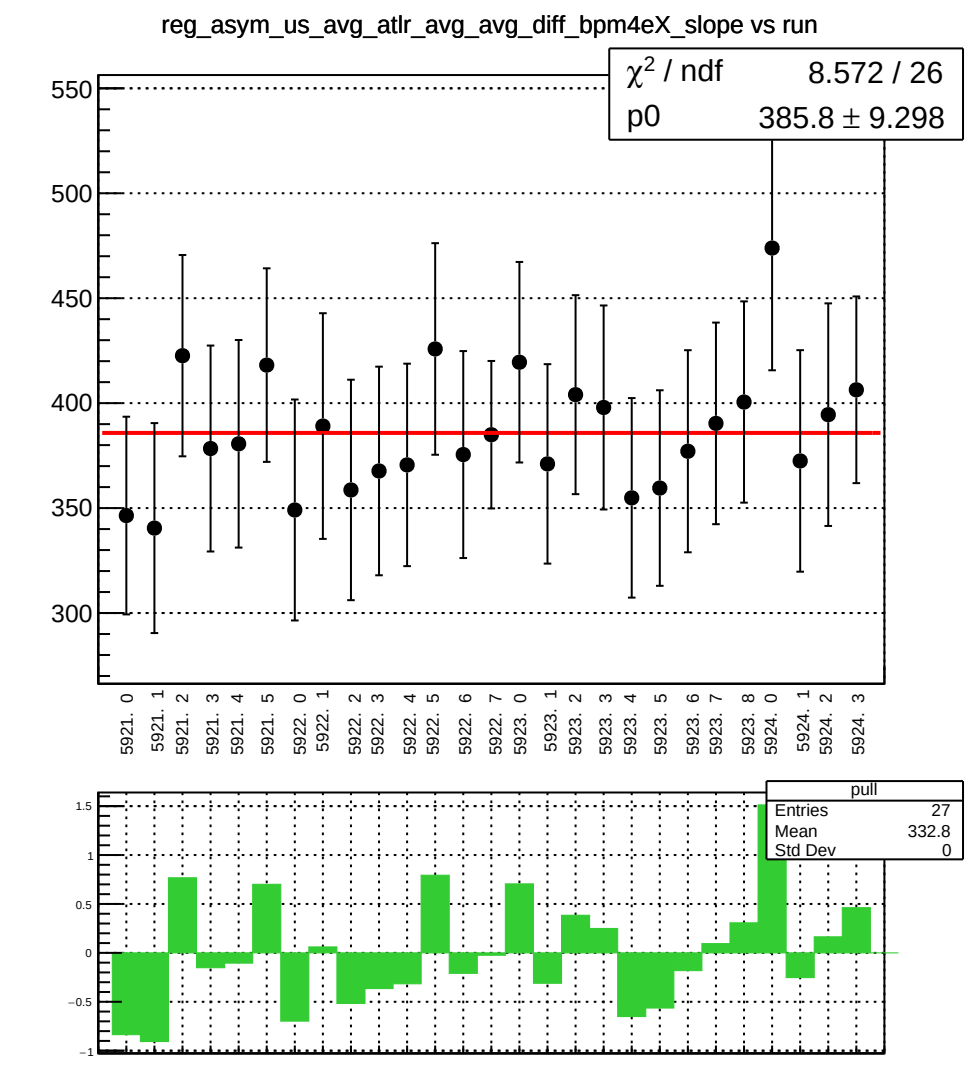

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.078 / 26
p0 −73.86 ± 12.36
50
0
−50
−100
−150
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 74.95
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 27
Mean 0.01477
Std Dev 0.3373
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

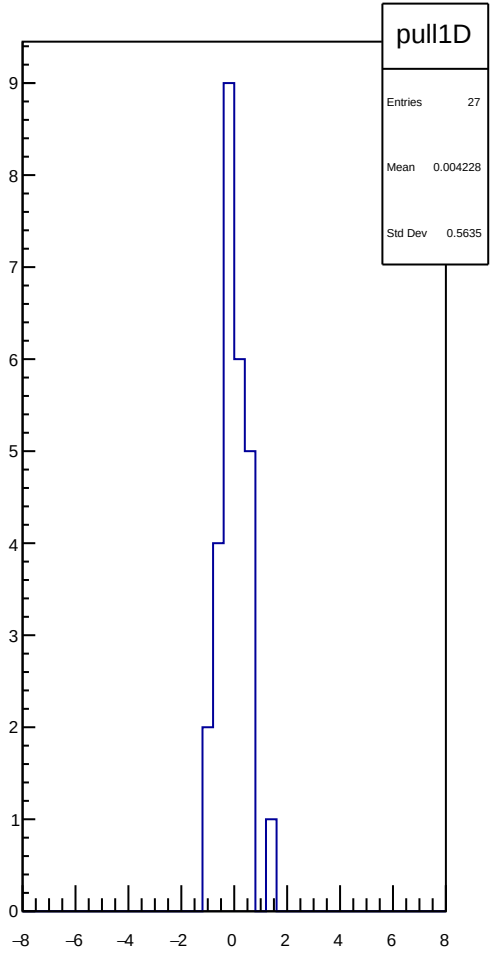

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 5.999 / 26
p0 182.8 ± 0.8448
194
192
190
188
186
184
182
180
178
176
174
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −249.2
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 27
Mean −0.005652
Std Dev 0.4713
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

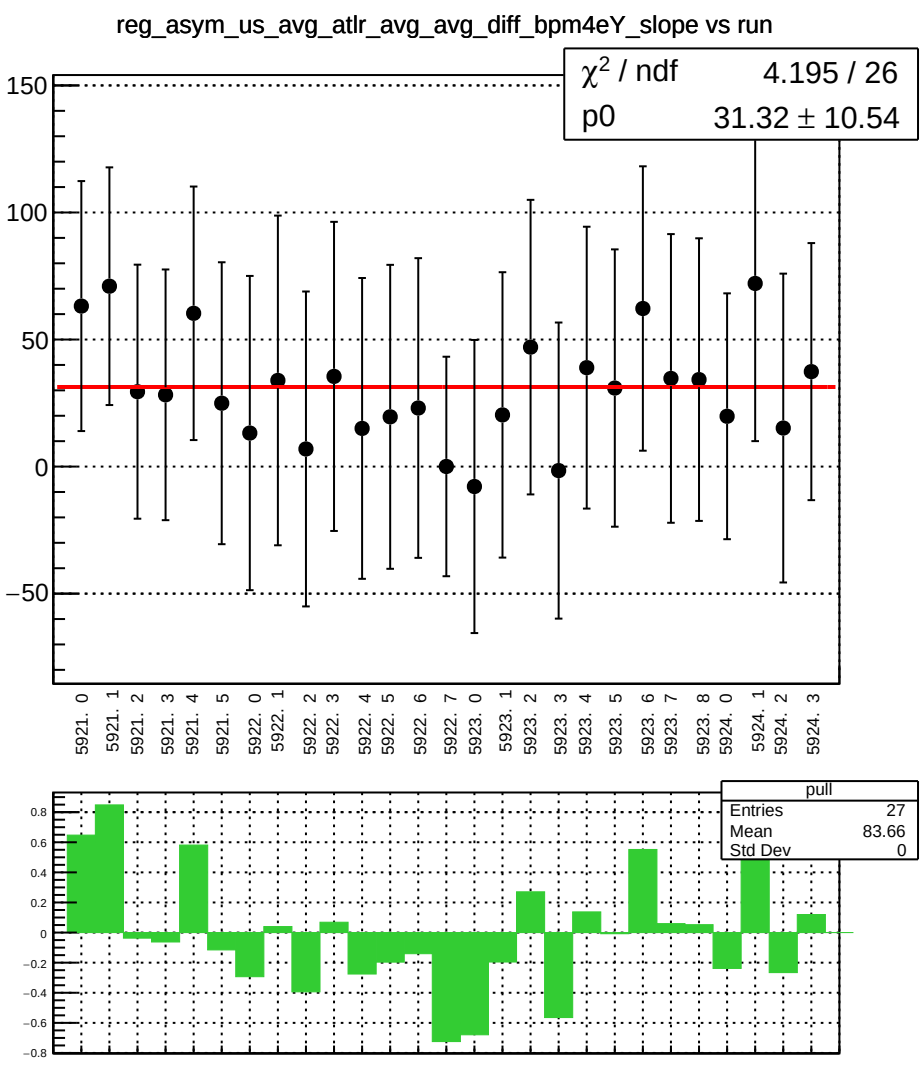

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 7.669 / 26
p0 −236.4 ± 6.523
−160
−180
−200
−220
−240
−260
−280
−300
−320
−340
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −688.7
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 27
Mean 0.001951
Std Dev 0.5329
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

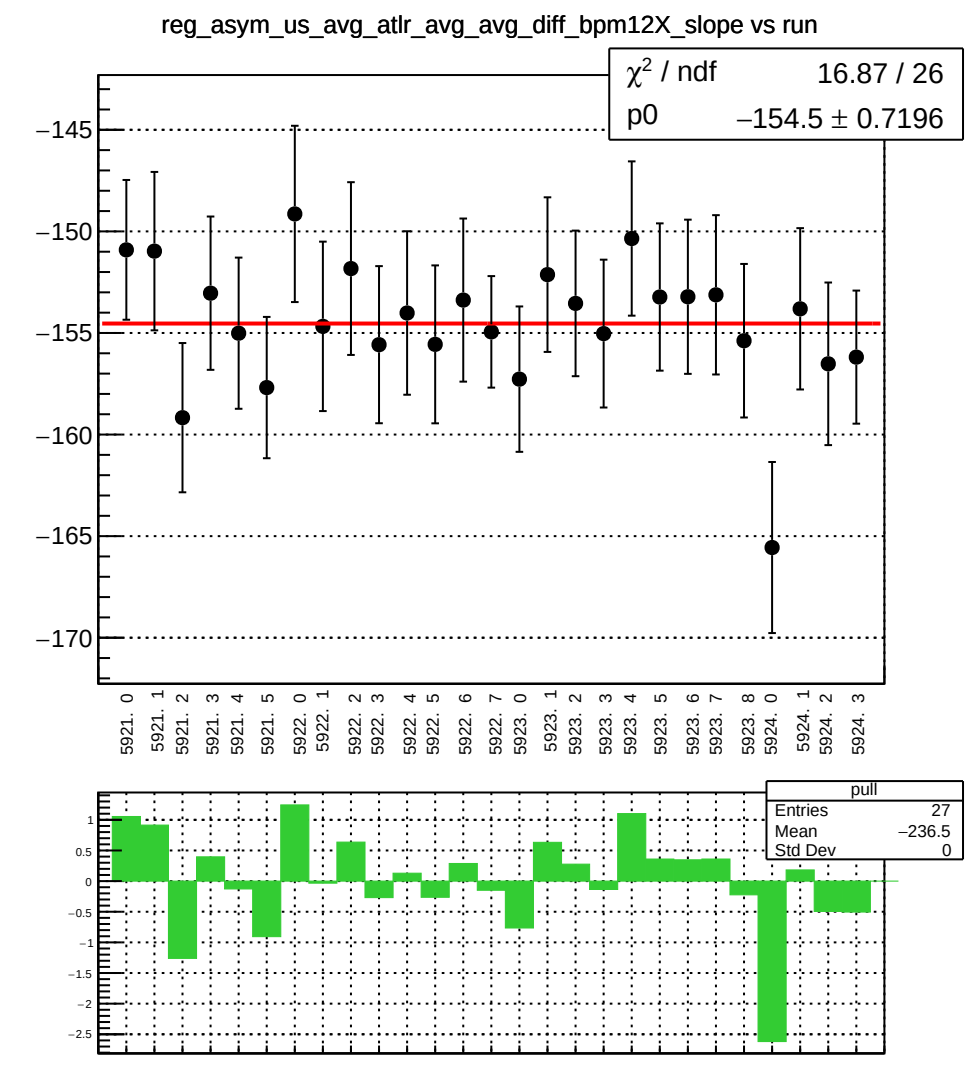

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.168 / 26
p0 34.26 ± 9.571
140
120
100
80
60
40
20
0
−20
−40
−60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 84.39
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

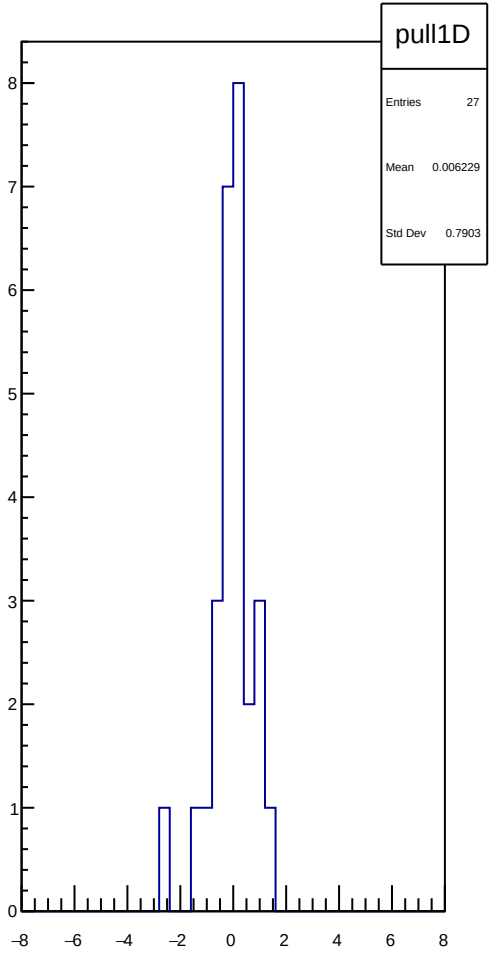

pull1D
Entries 27
Mean 0.004951
Std Dev 0.3928
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

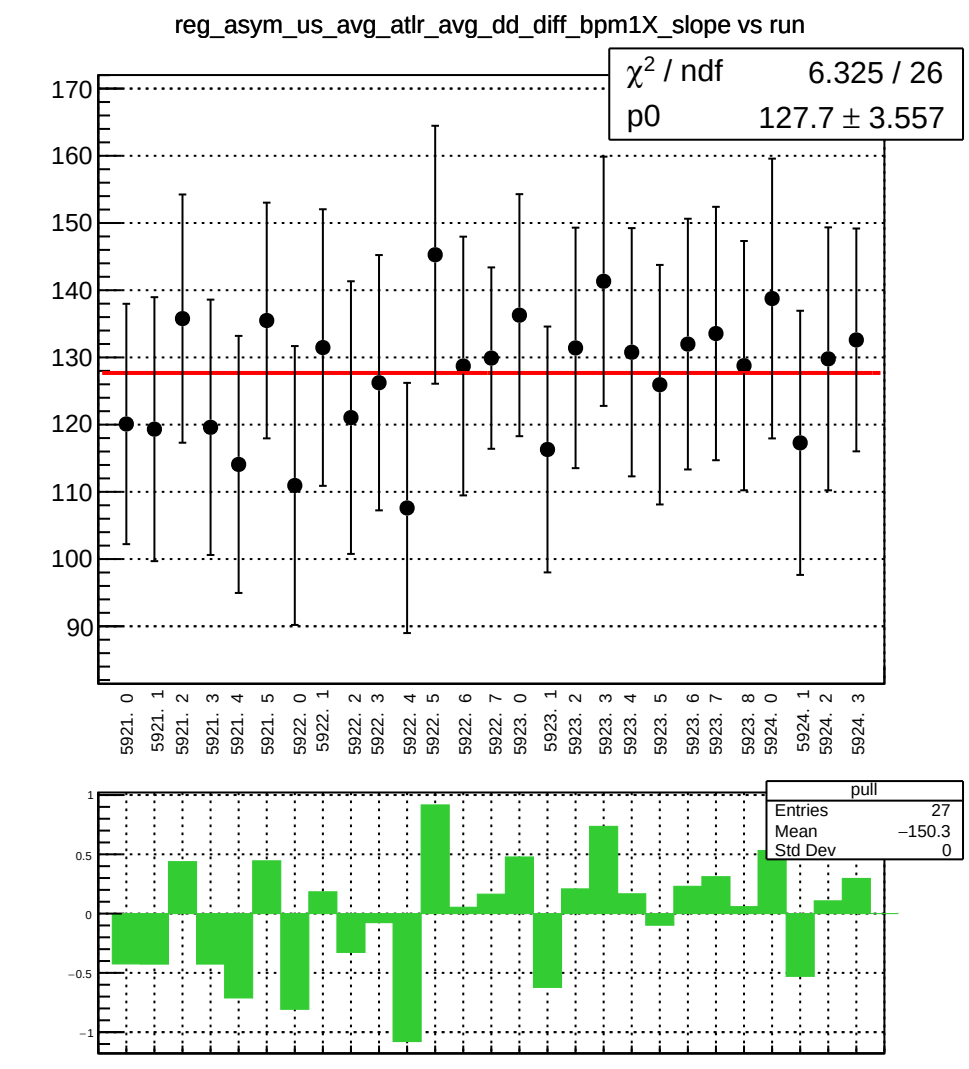

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.572 / 26
p0 385.8 ± 9.298
550
500
450
400
350
300
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 332.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1

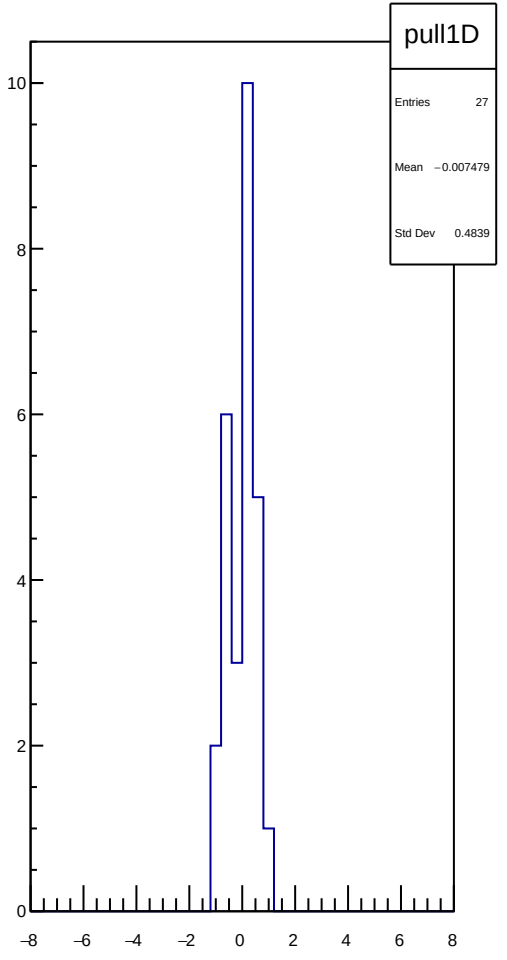

pull1D
Entries 27
Mean 0.004228
Std Dev 0.5635
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

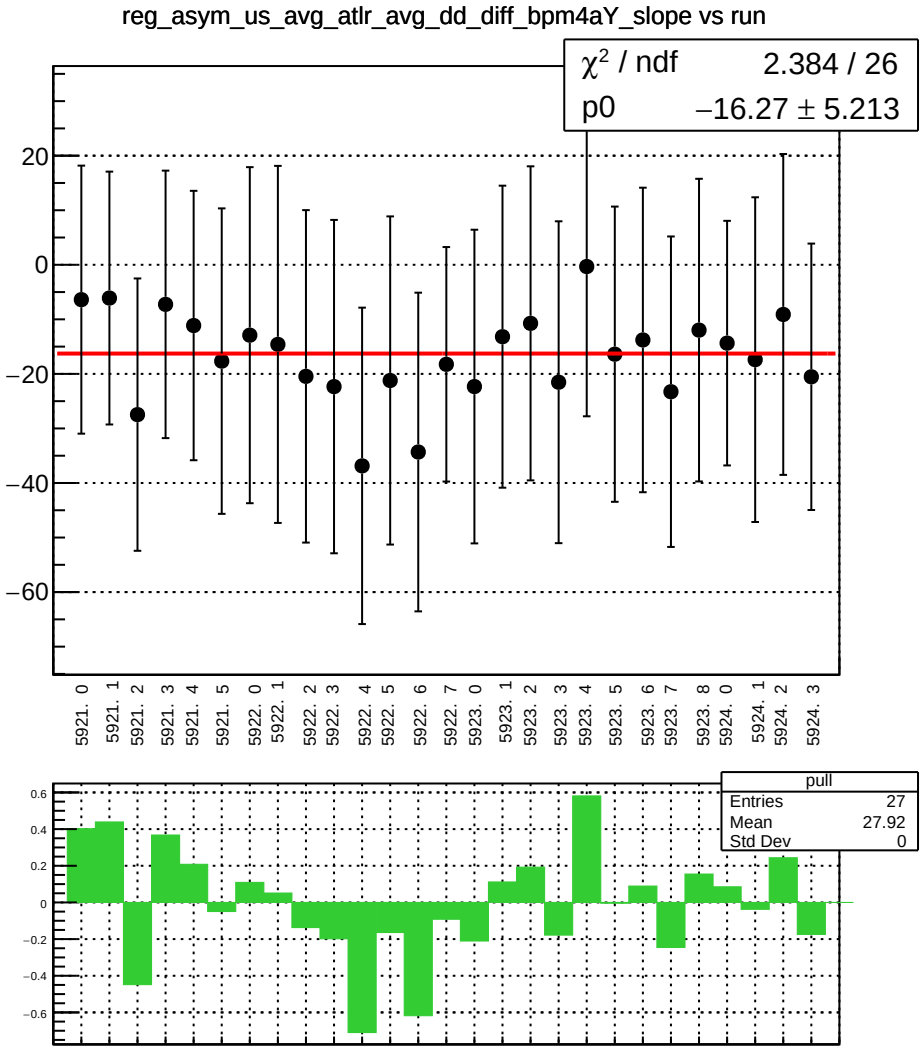

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.195 / 26
p0 31.32 ± 10.54
150
100
50
0
−50
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 83.66
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 27
Mean −0.005738
Std Dev 0.3941
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

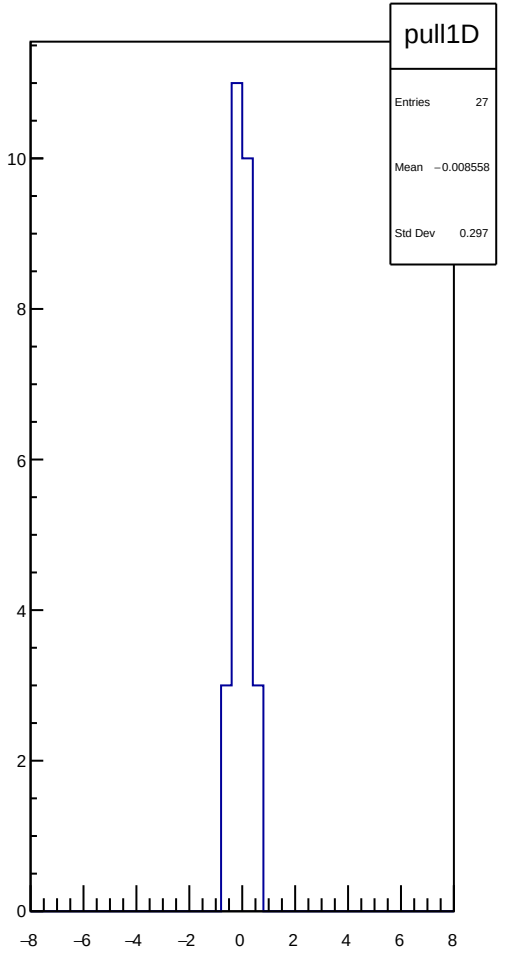

reg_asym_us_avg_atlr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 16.87 / 26
p0 −154.5 ± 0.7196
−145
−150
−155
−160
−165
−170
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −236.5
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

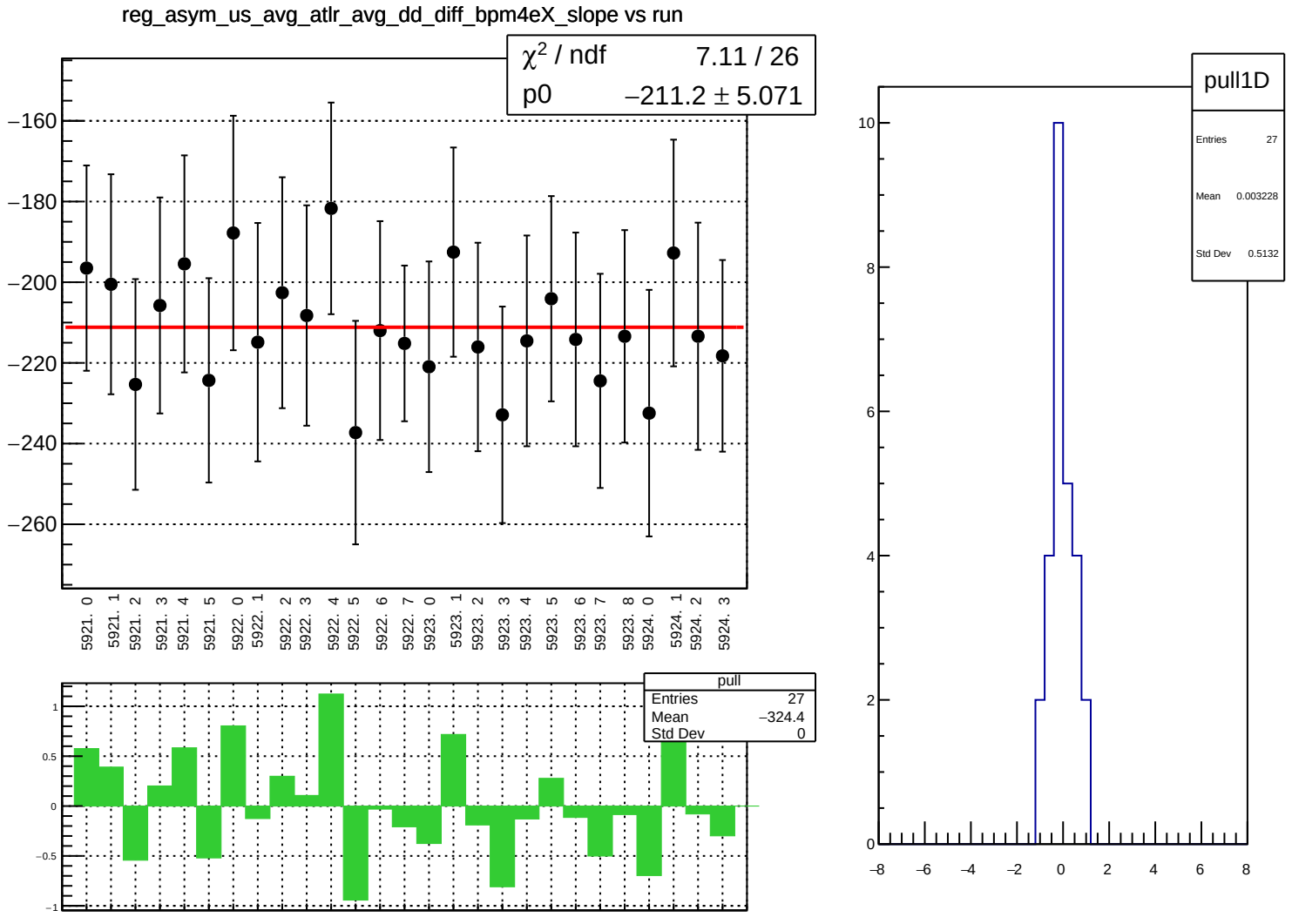

pull1D
Entries 27
Mean 0.006229
Std Dev 0.7903
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

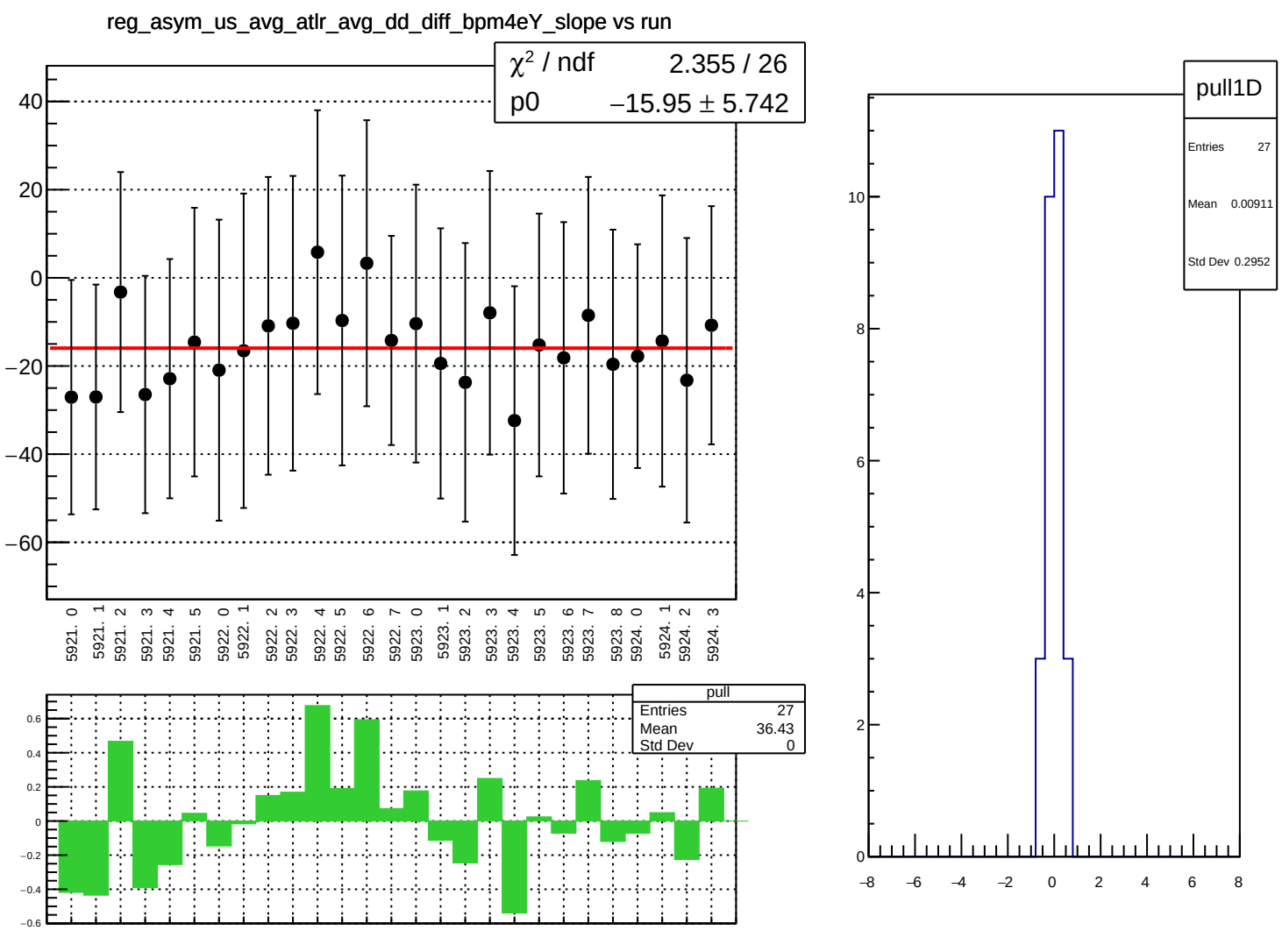

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 6.325 / 26
p0 127.7 ± 3.557
170
160
150
140
130
120
110
100
90
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −150.3
Std Dev 0
1
0.5
0
−0.5
−1

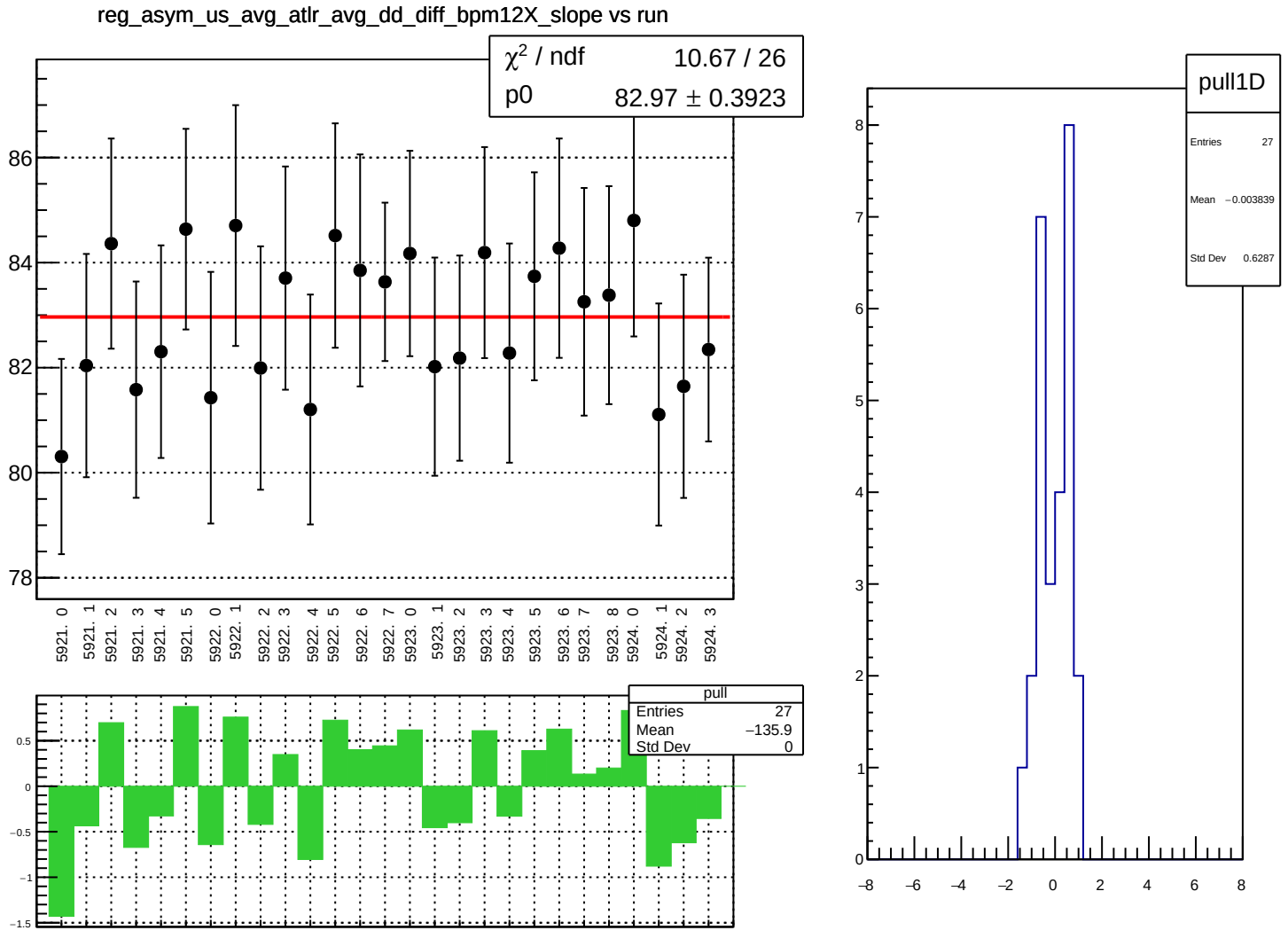

pull1D
Entries 27
Mean −0.007479
Std Dev 0.4839
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

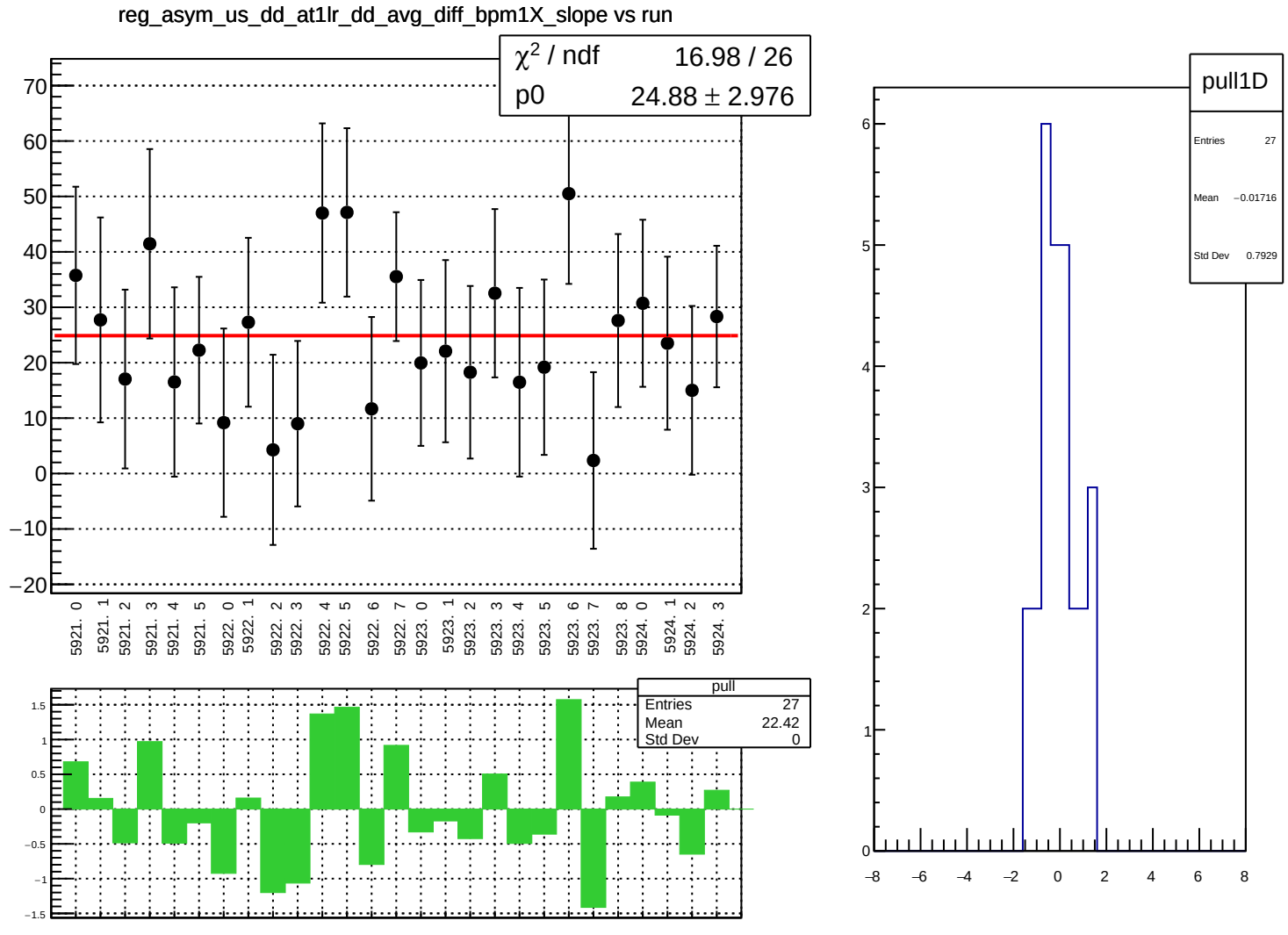

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.384 / 26
p0 −16.27 ± 5.213
20
0
−20
−40
−60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 27.92
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

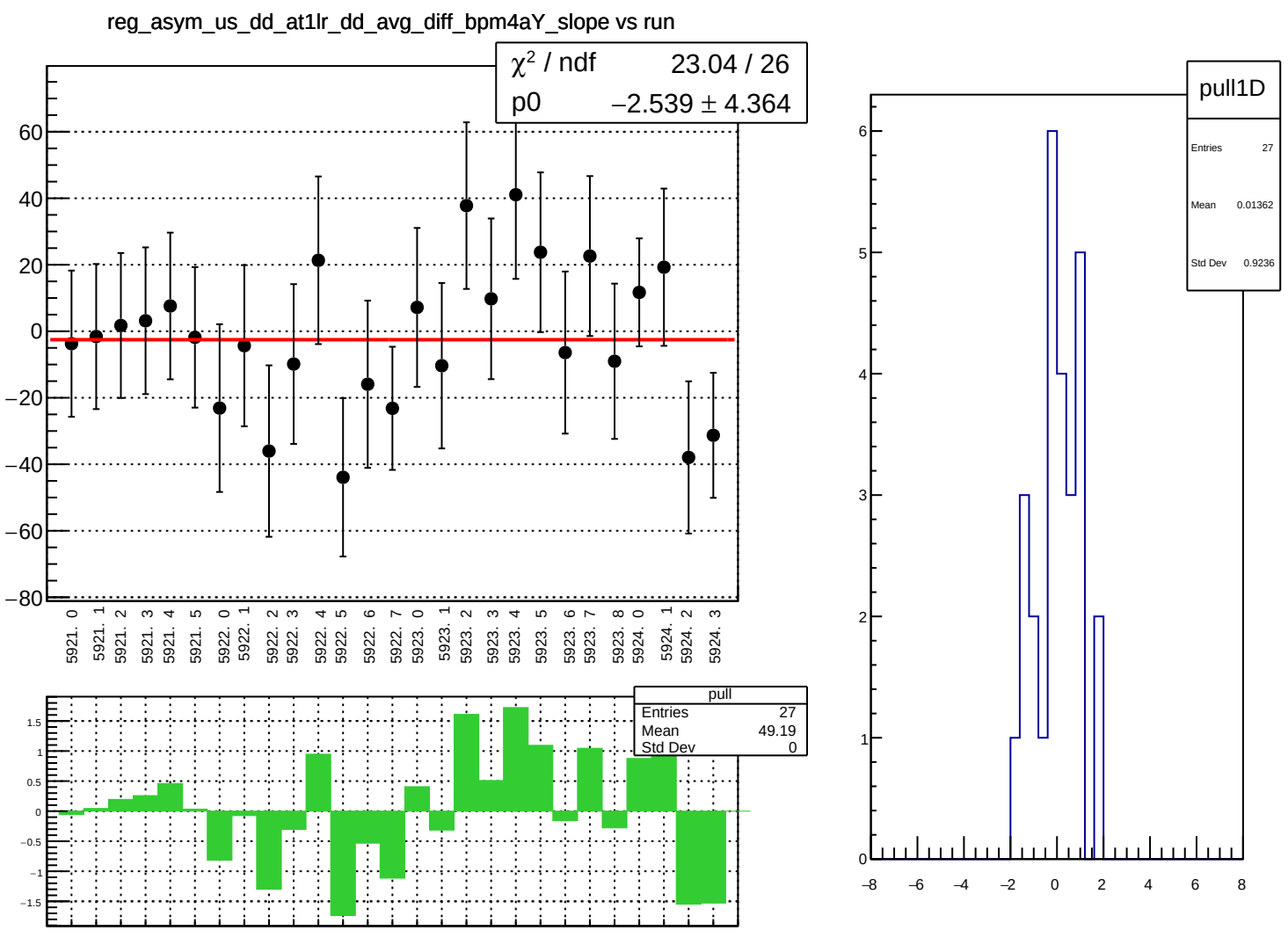

pull1D
Entries 27
Mean −0.008558
Std Dev 0.297
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

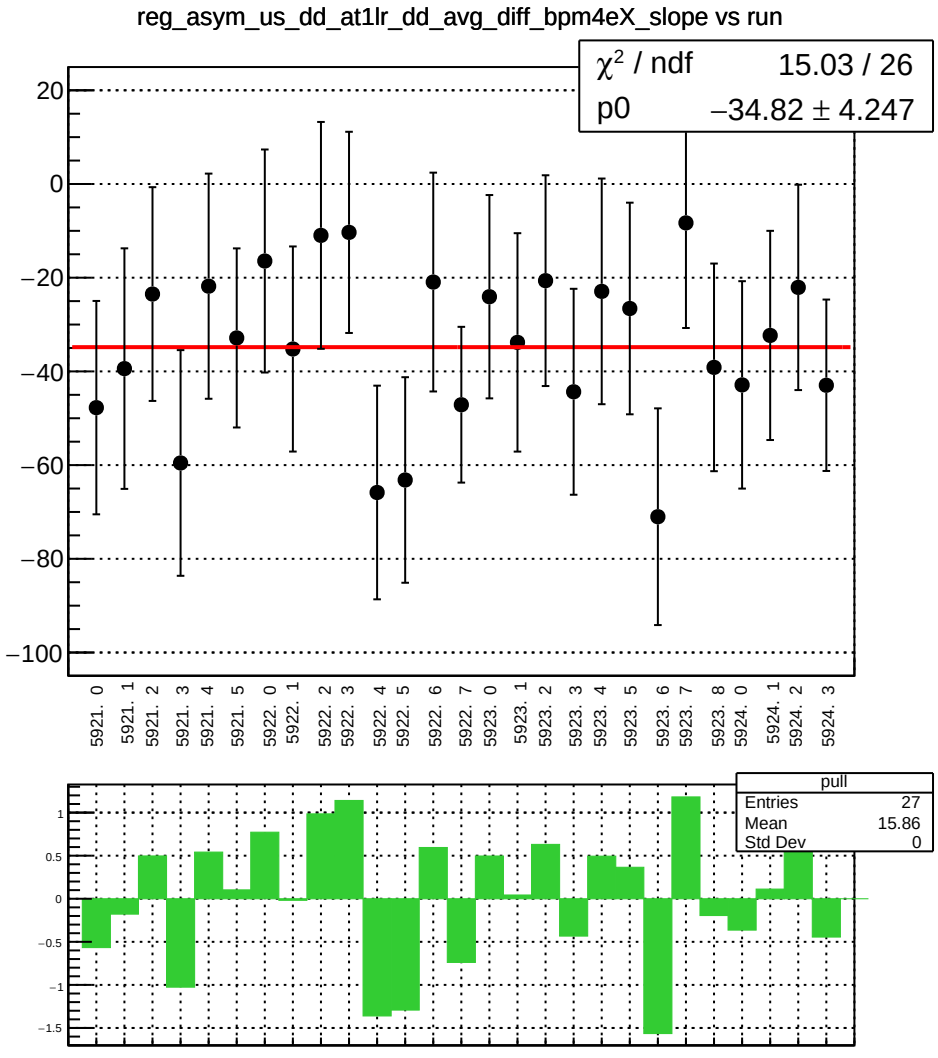

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.11 / 26
p0 −211.2 ± 5.071
−160
−180
−200
−220
−240
−260
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −324.4
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 27
Mean 0.003228
Std Dev 0.5132
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

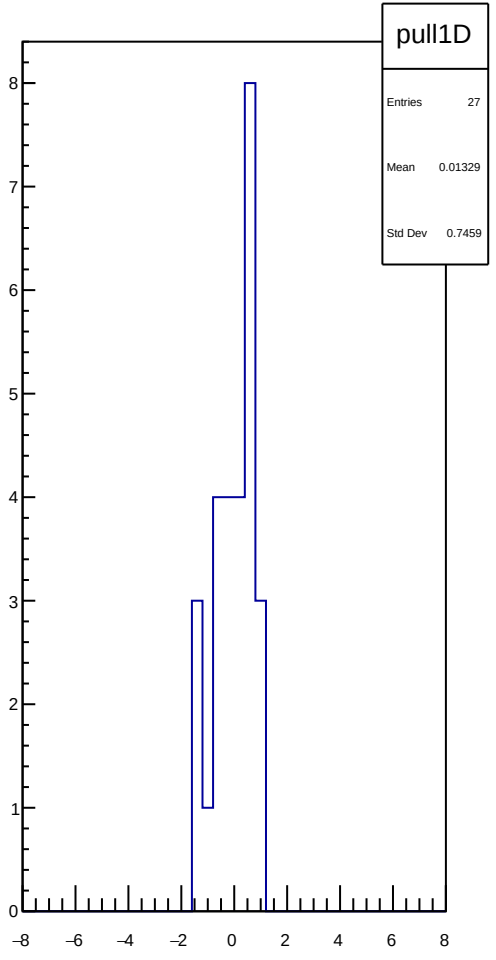

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.355 / 26
p0 −15.95 ± 5.742
40
20
0
−20
−40
−60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 36.43
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 27
Mean 0.00911
Std Dev 0.2952
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

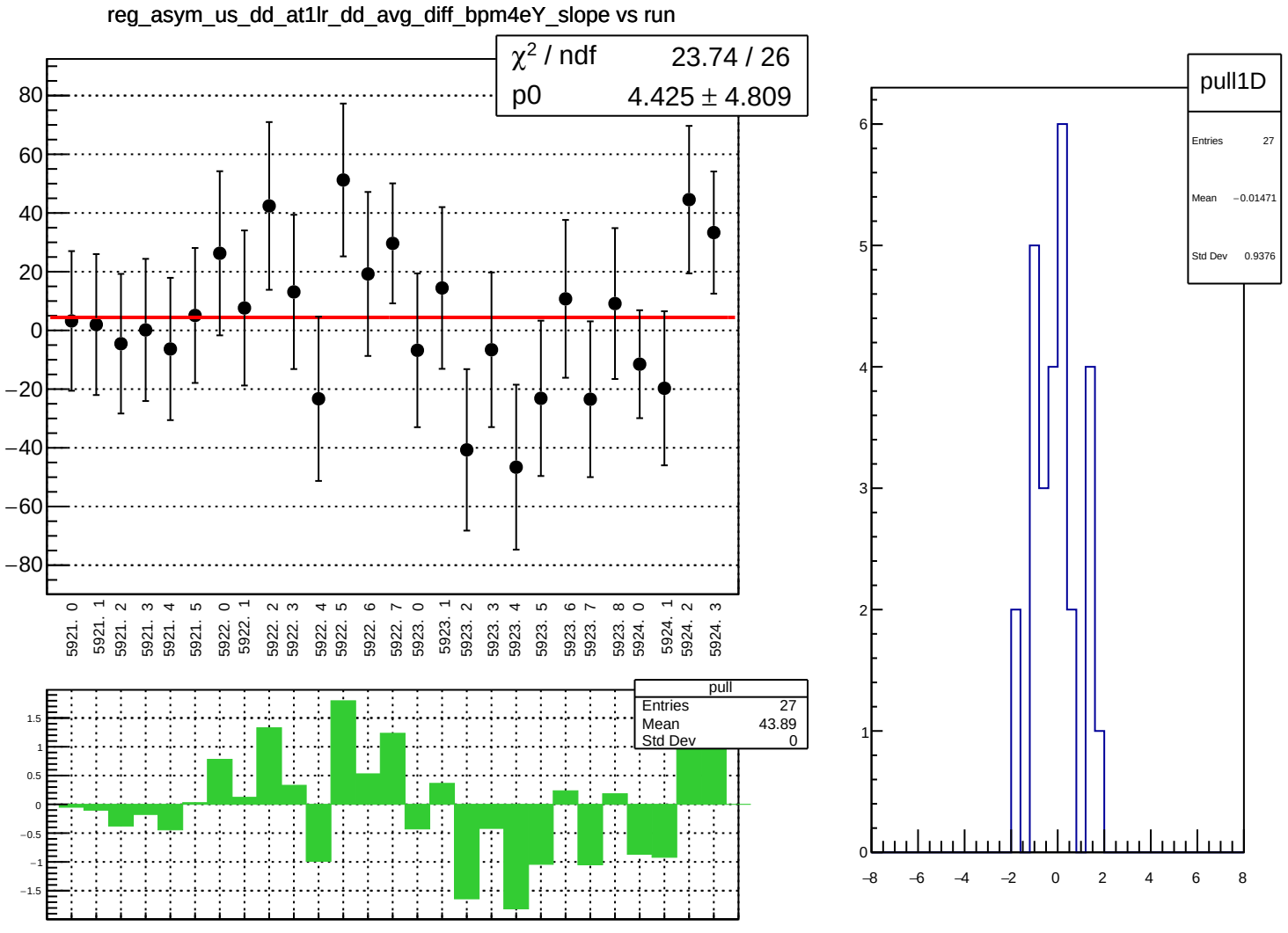

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 10.67 / 26
p0 82.97 ± 0.3923
86
84
82
80
78
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −135.9
Std Dev 0
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.003839
Std Dev 0.6287
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

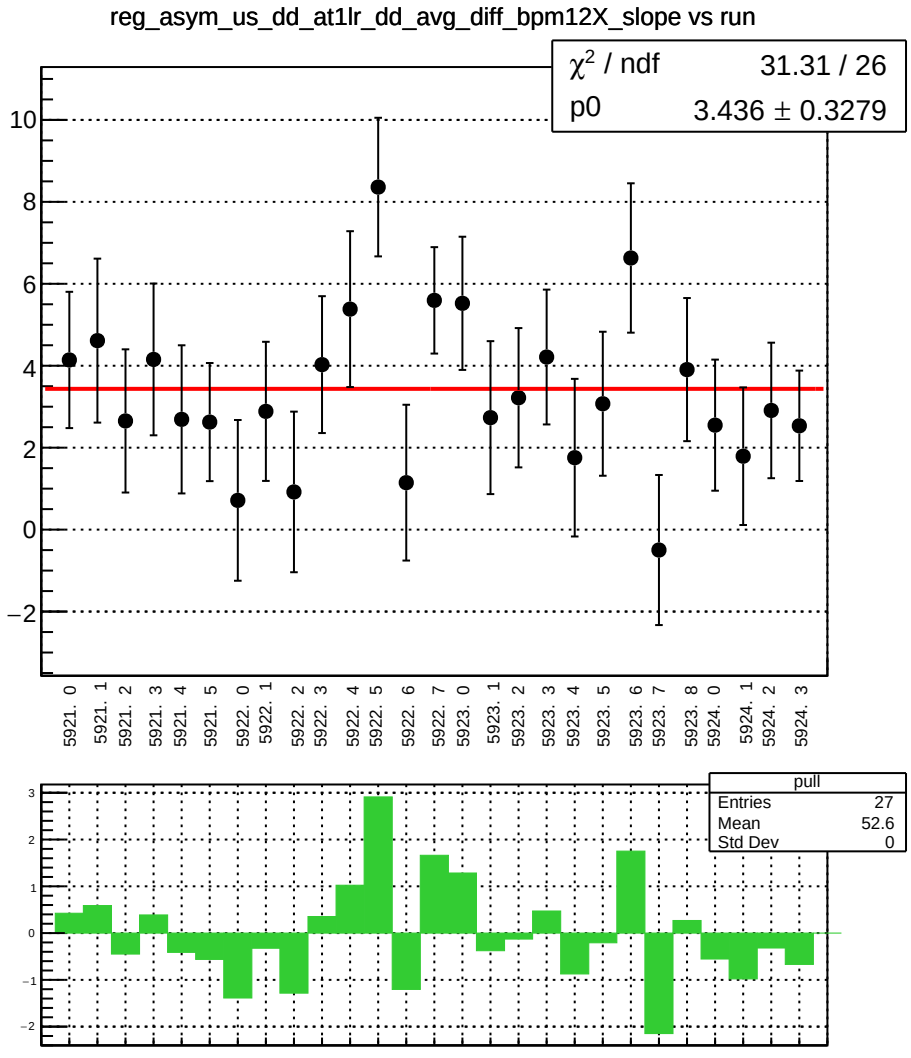

reg_asym_us_dd_at1lr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 16.98 / 26
p0 24.88 ± 2.976
pull
Entries 27
Mean 22.42
Std Dev 0
pull1D
Entries 27
Mean −0.01716
Std Dev 0.7929

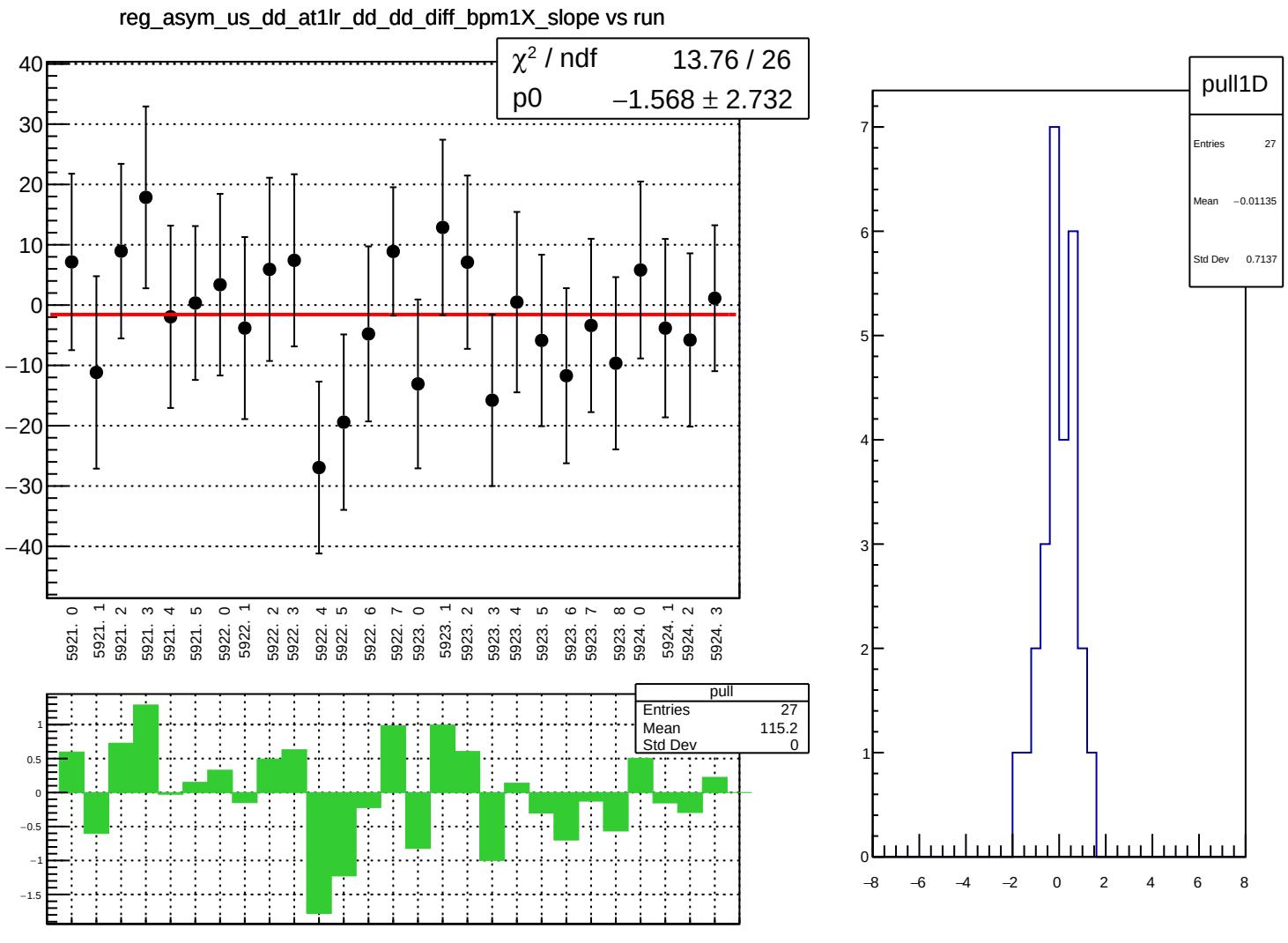

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 23.04 / 26
p0 −2.539 ± 4.364
60
40
20
0
−20
−40
−60
−80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 49.19
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.01362
Std Dev 0.9236
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

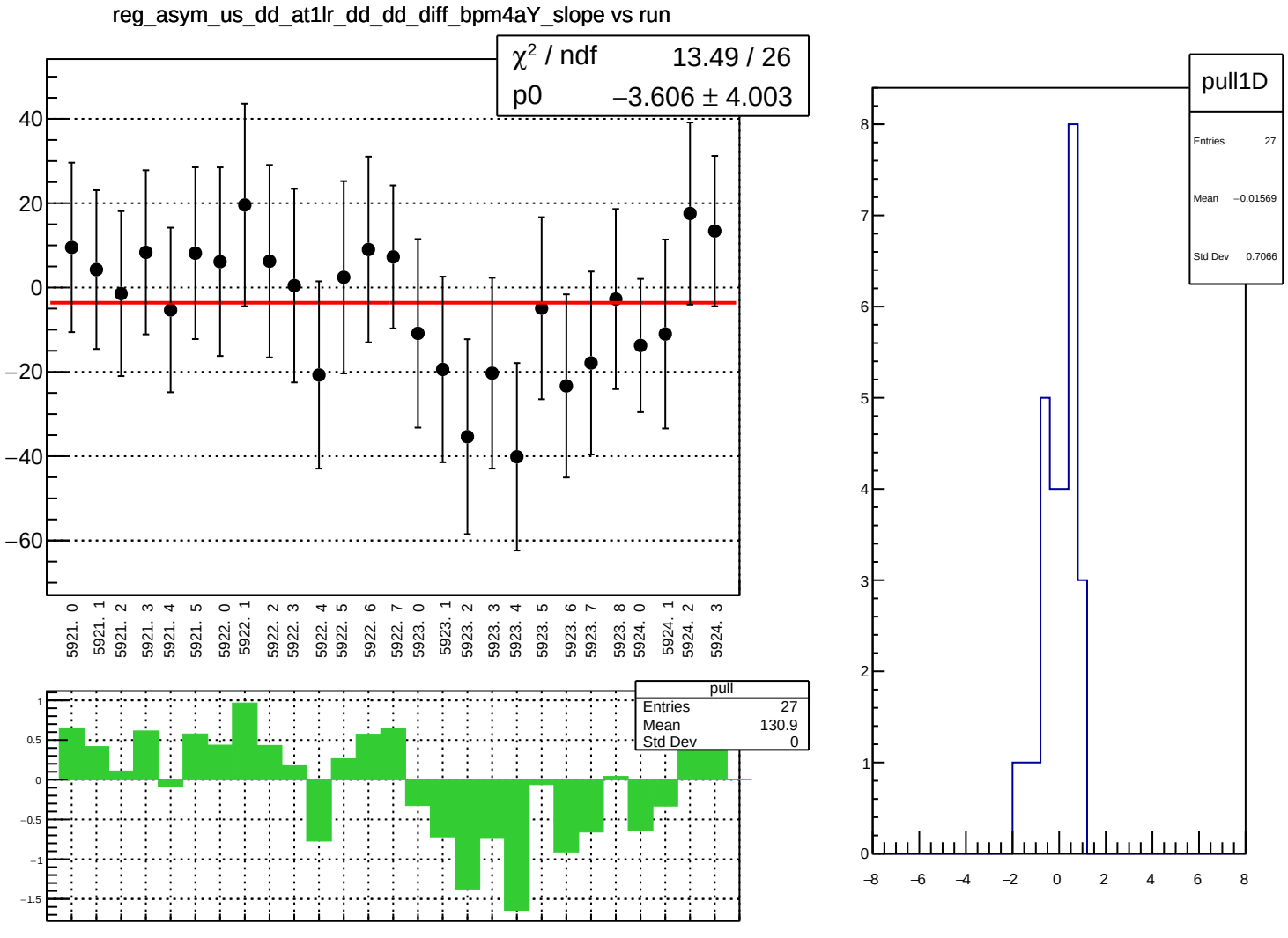

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 15.03 / 26
p0 −34.82 ± 4.247
20
0
−20
−40
−60
−80
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 15.86
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

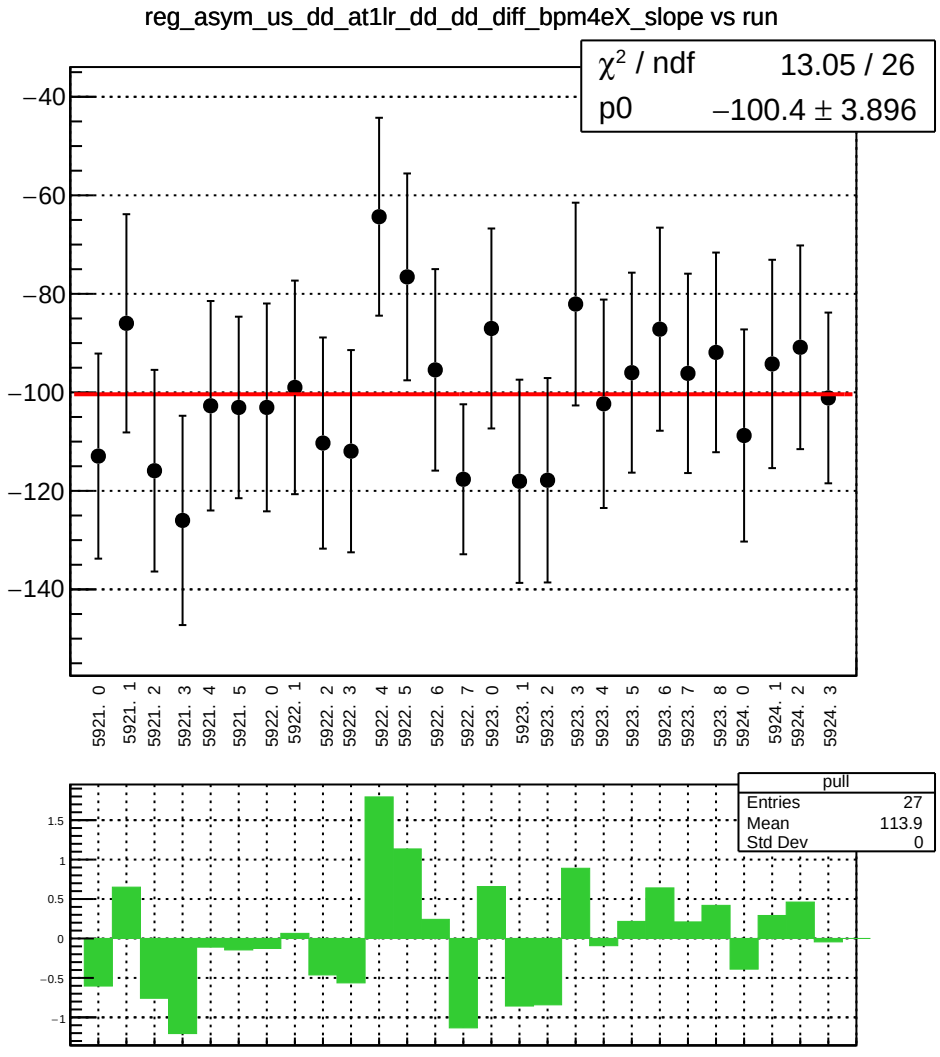

pull1D
Entries 27
Mean 0.01329
Std Dev 0.7459
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

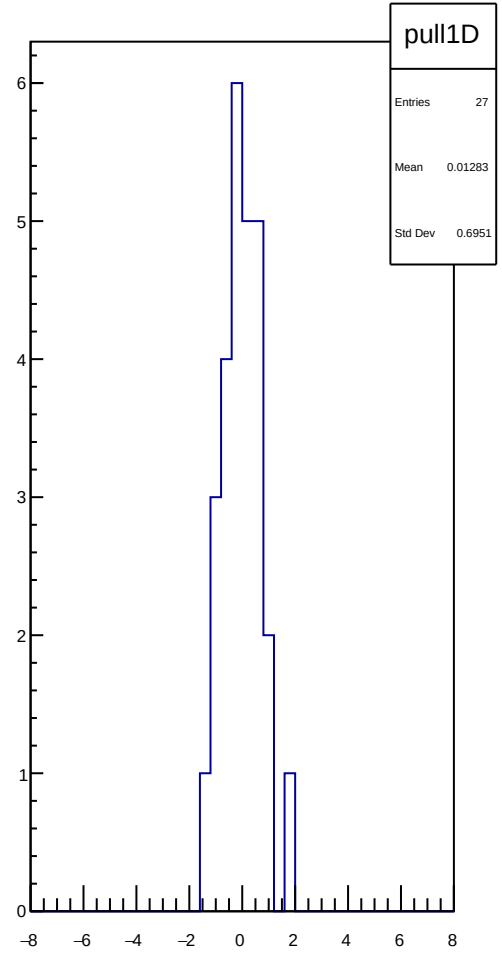

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 23.74 / 26
p0 4.425 ± 4.809
80
60
40
20
0
−20
−40
−60
−80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 43.89
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.01471
Std Dev 0.9376
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

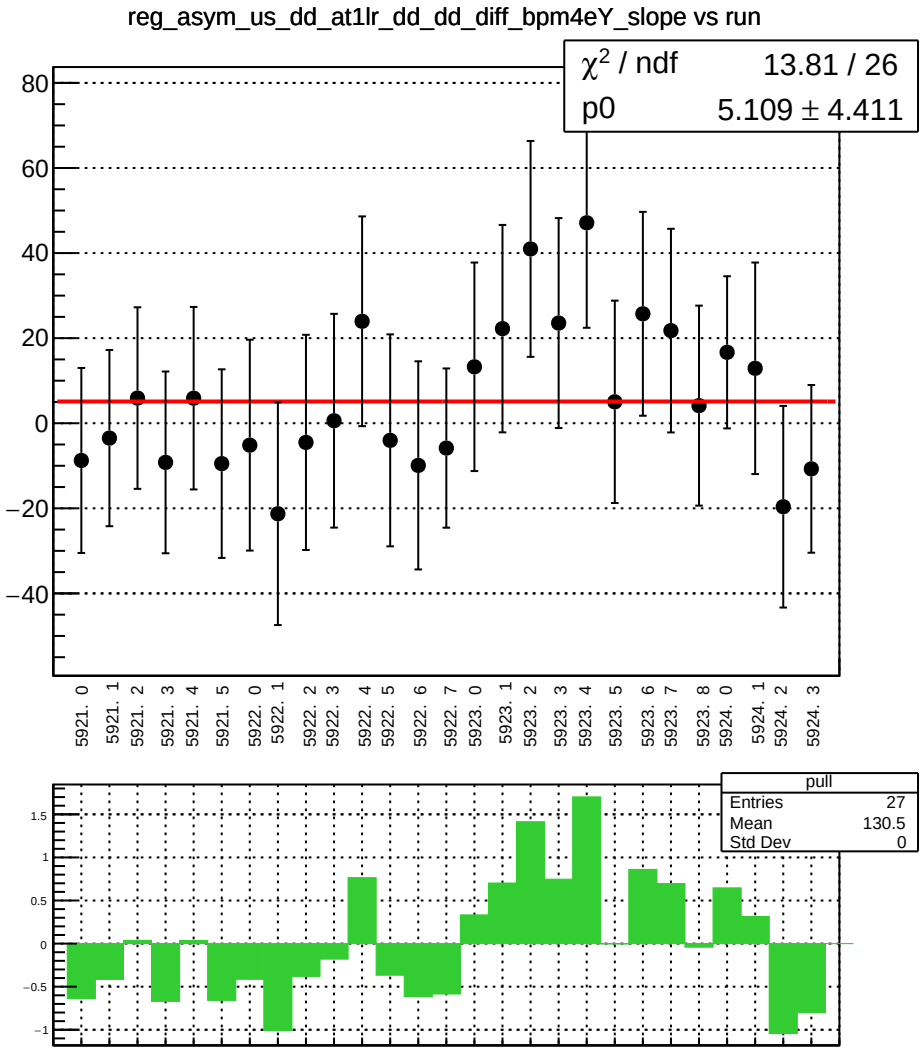

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 31.31 / 26
p0 3.436 ± 0.3279
pull
Entries 27
Mean 52.6
Std Dev 0
pull1D
Entries 27
Mean −0.0277
Std Dev 1.077

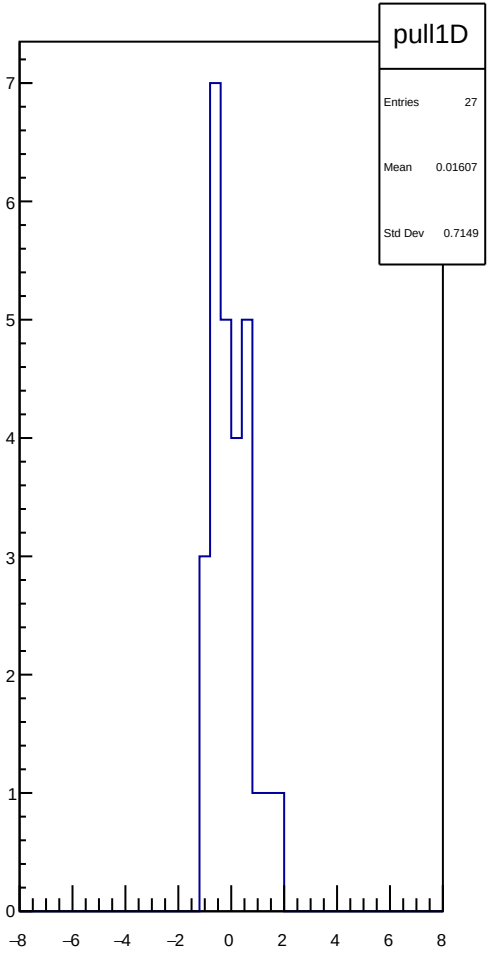

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 13.76 / 26
p0 −1.568 ± 2.732
40
30
20
10
0
−10
−20
−30
−40
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 115.2
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.01135
Std Dev 0.7137
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

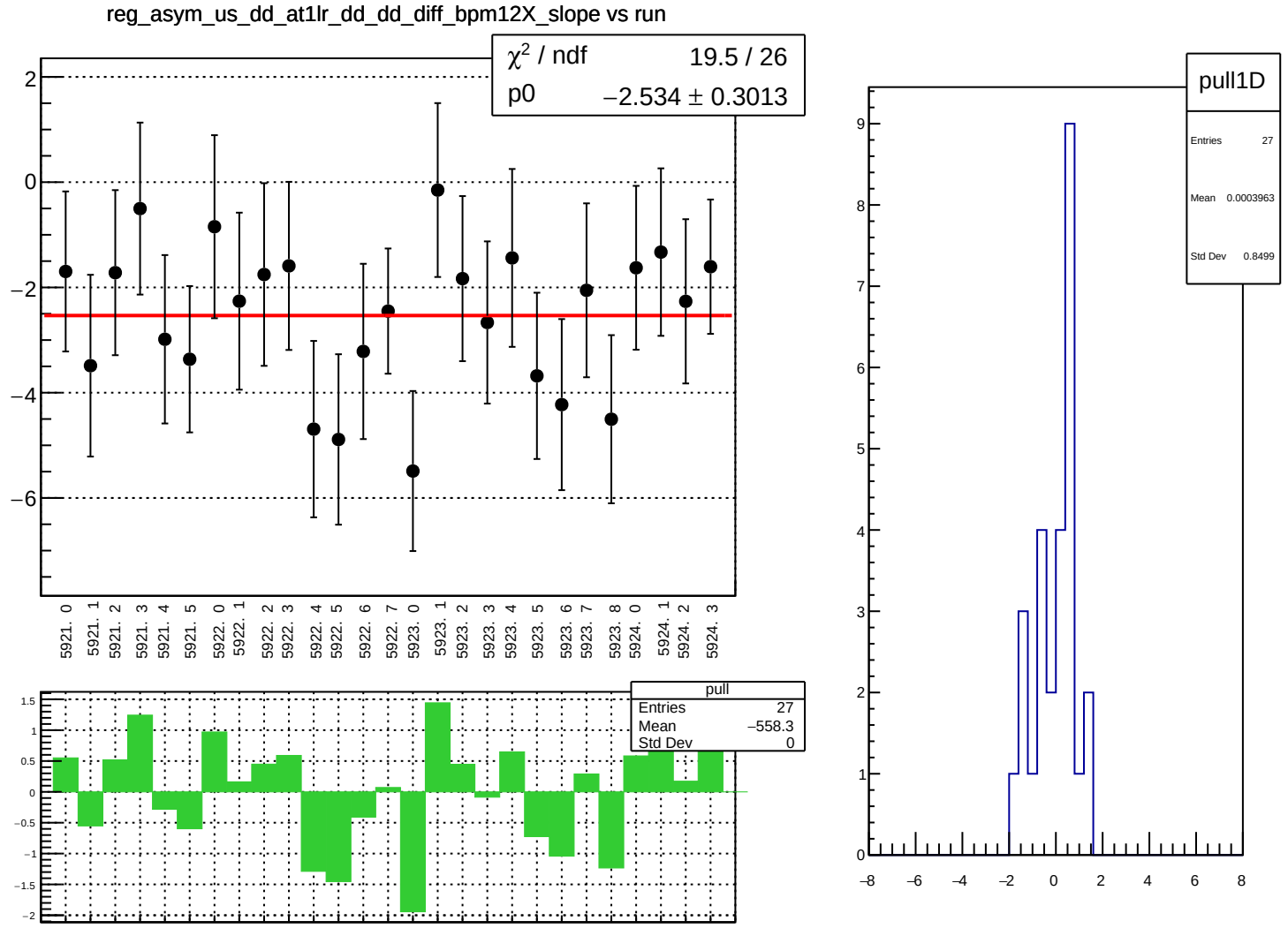

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.49 / 26
p0 −3.606 ± 4.003
40
20
0
−20
−40
−60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 130.9
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.01569
Std Dev 0.7066
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

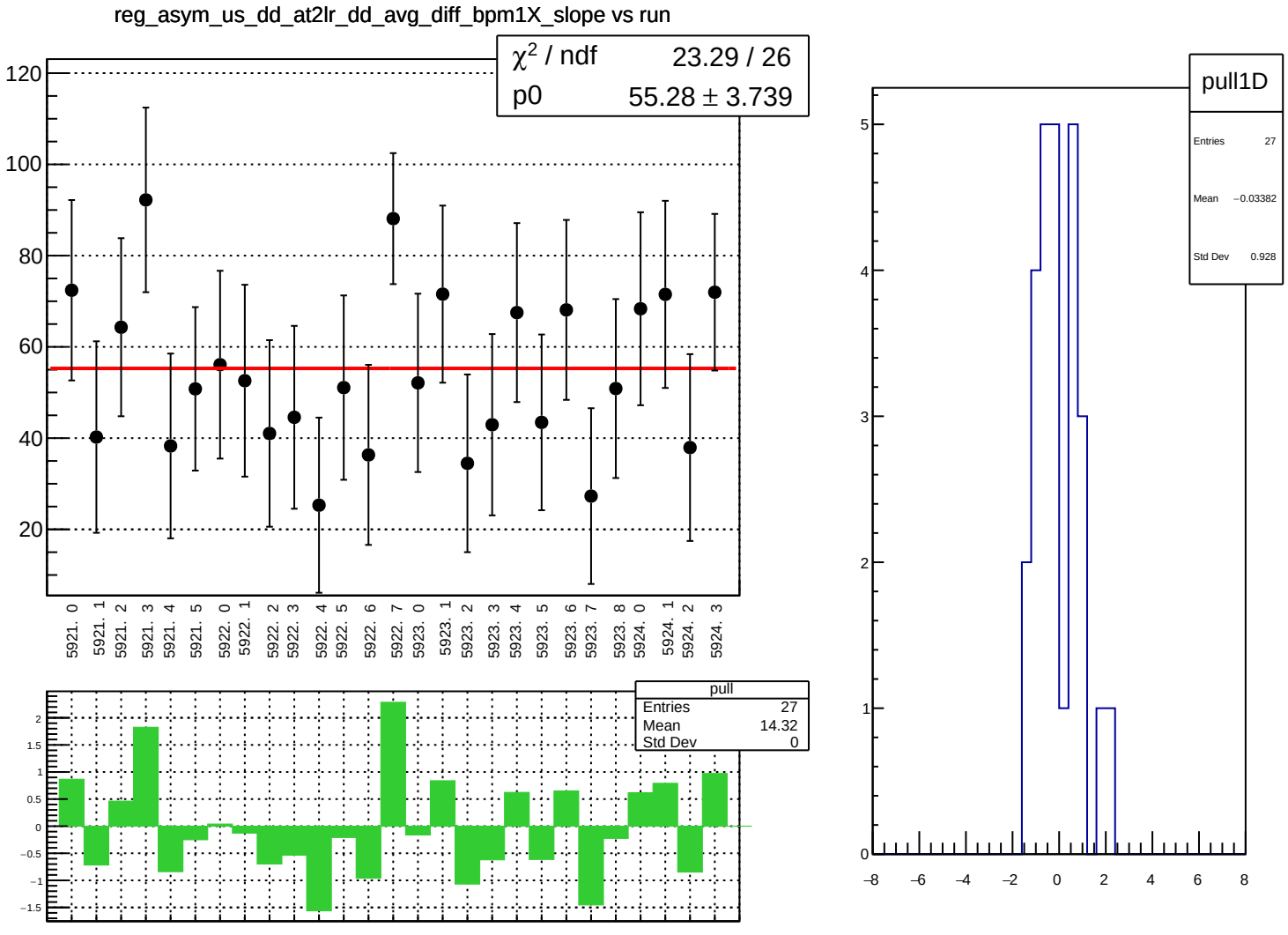

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 13.05 / 26
p0 −100.4 ± 3.896
−40
−60
−80
−100
−120
−140
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 113.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1

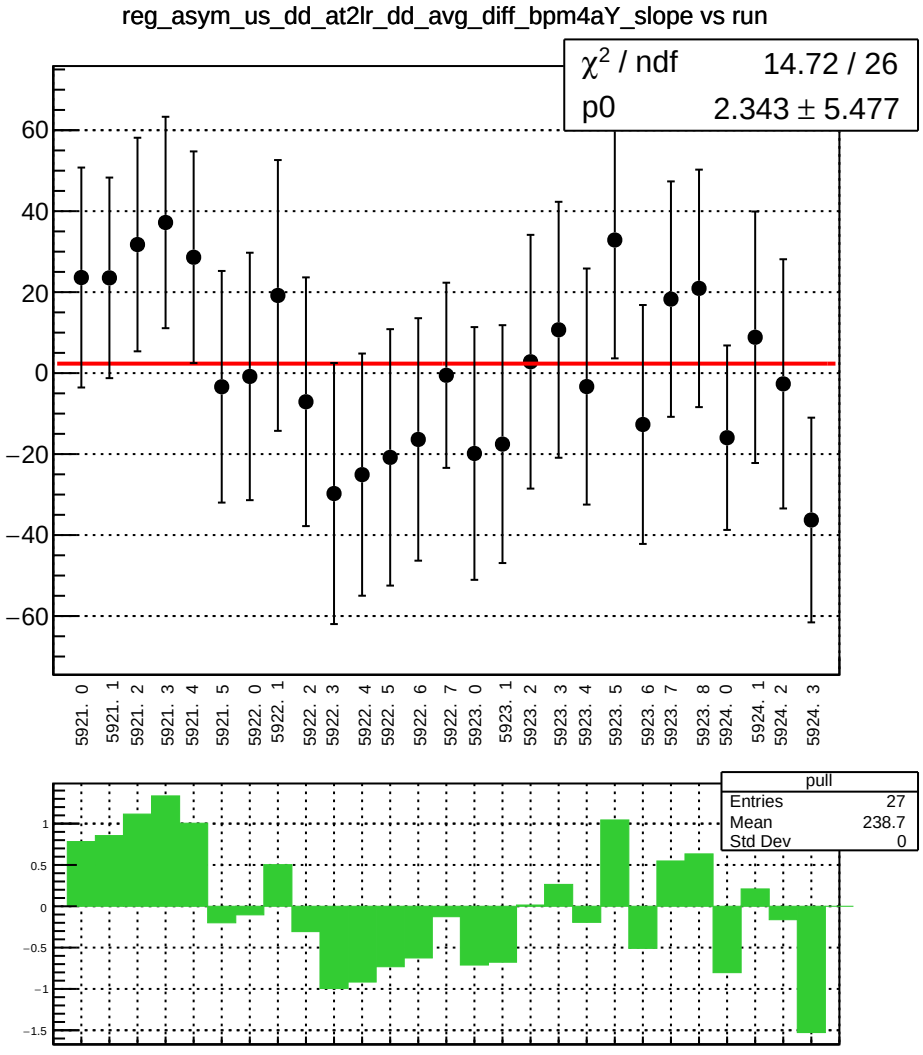

pull1D
Entries 27
Mean 0.01283
Std Dev 0.6951
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

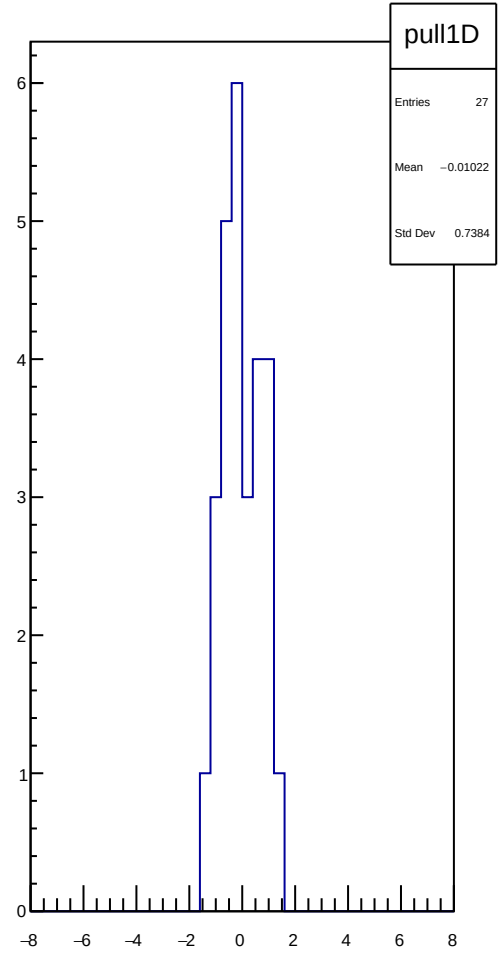

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 13.81 / 26
p0 5.109 ± 4.411
80
60
40
20
0
−20
−40
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 130.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1

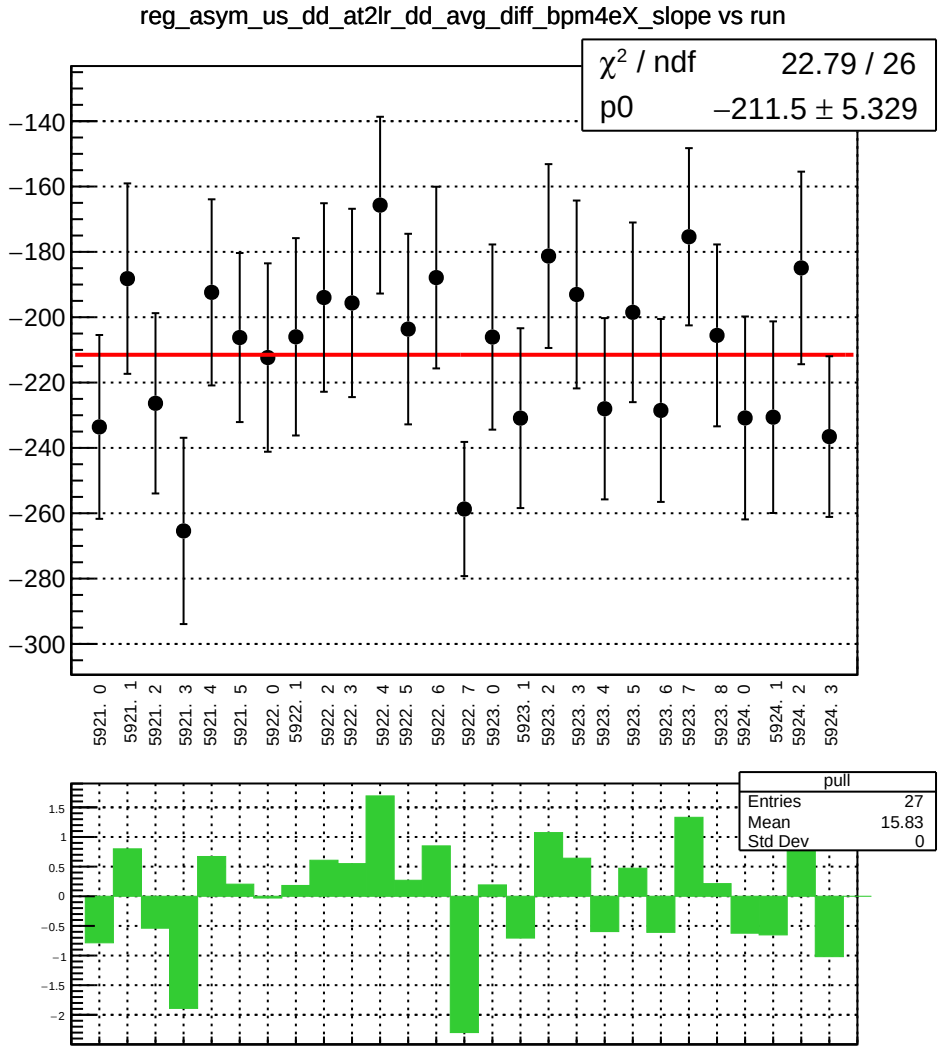

pull1D
Entries 27
Mean 0.01607
Std Dev 0.7149
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

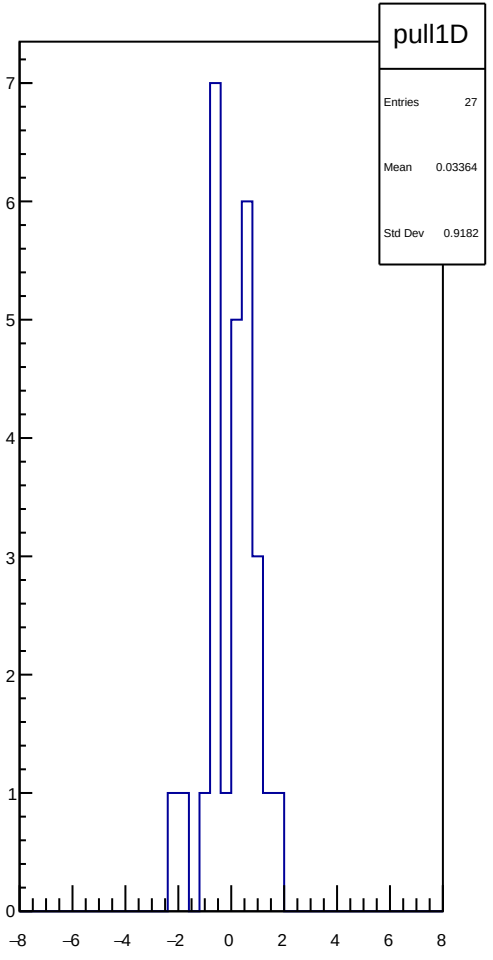

reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 19.5 / 26
p0 −2.534 ± 0.3013
2
0
−2
−4
−6
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −558.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean 0.0003963
Std Dev 0.8499
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

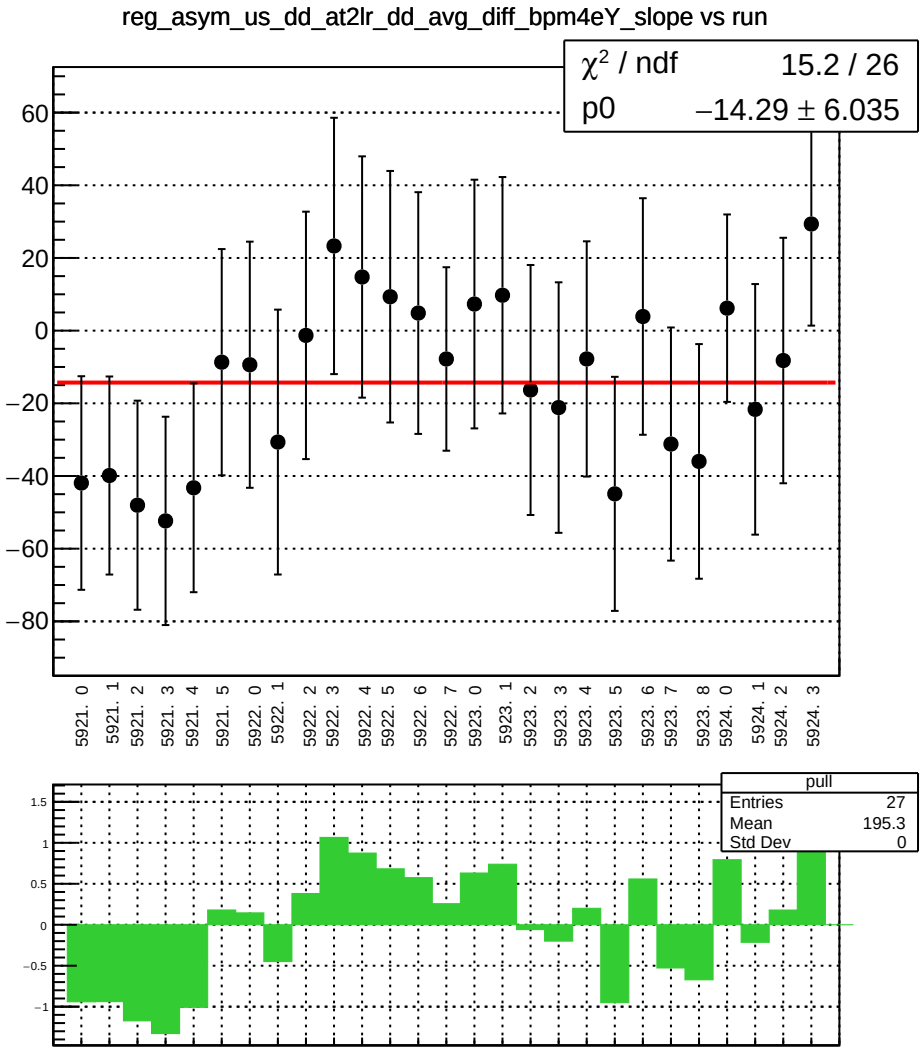

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 23.29 / 26
p0 55.28 ± 3.739
120
100
80
60
40
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 14.32
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean −0.03382
Std Dev 0.928
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

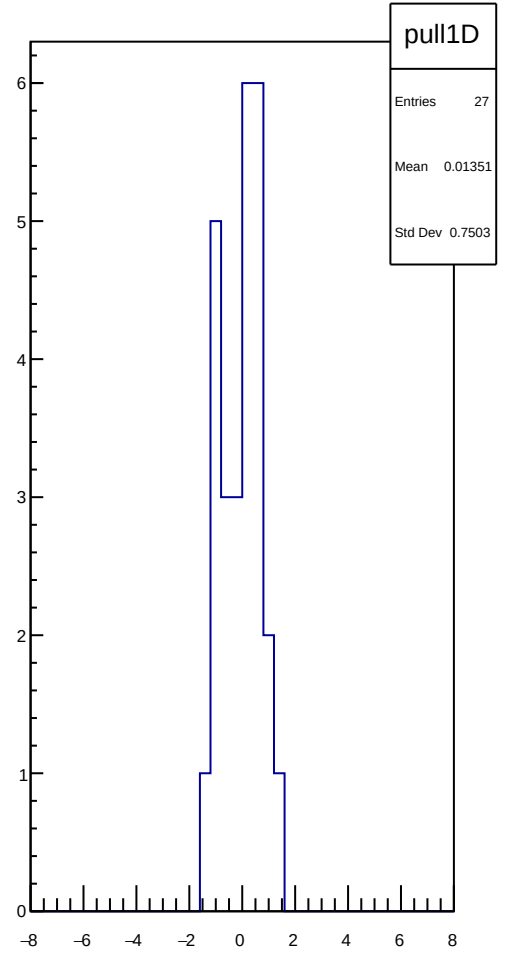

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 14.72 / 26
p0 2.343 ± 5.477
pull
Entries 27
Mean 238.7
Std Dev 0

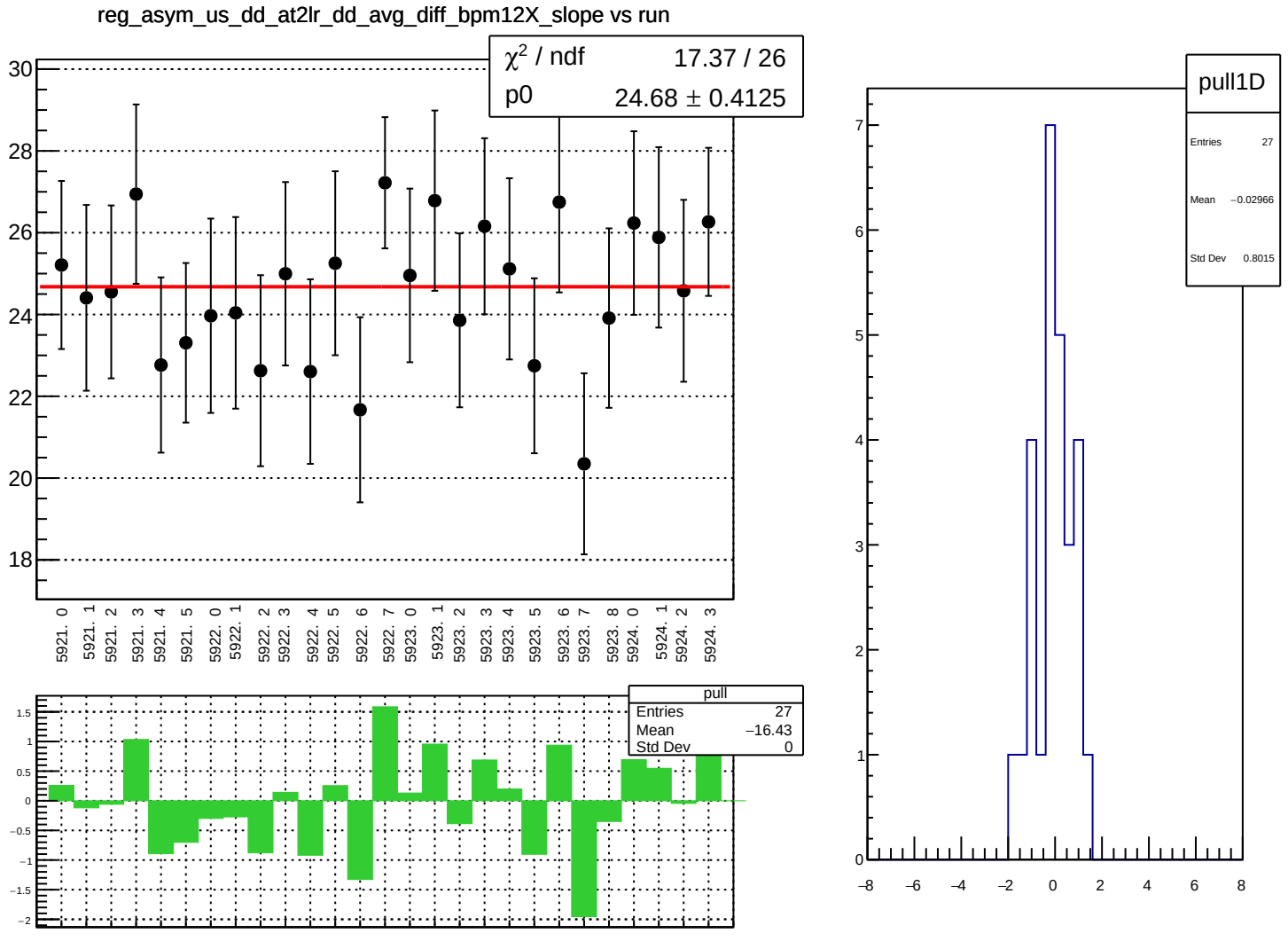

pull1D
Entries 27
Mean −0.01022
Std Dev 0.7384

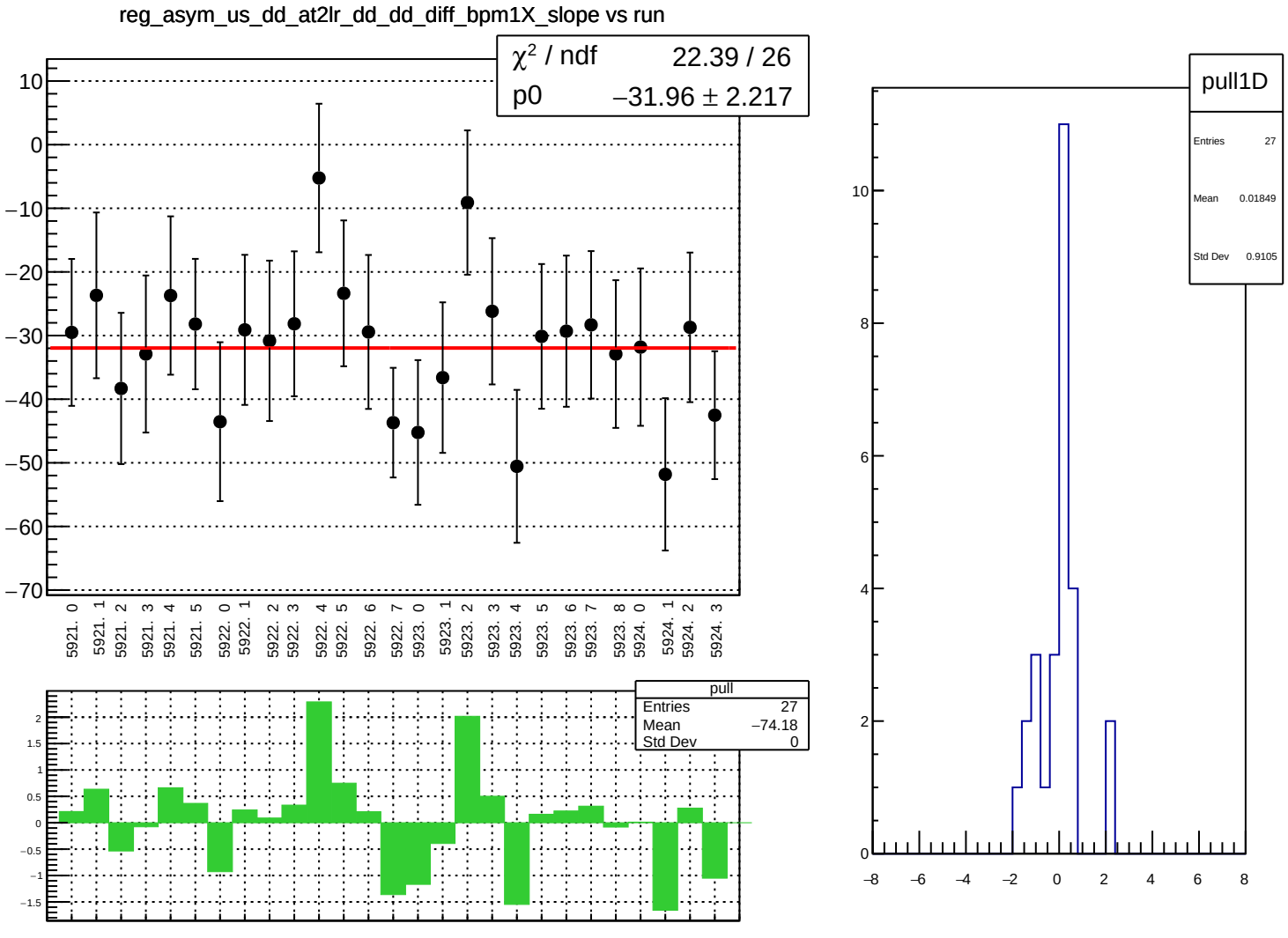

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 22.79 / 26
p0 −211.5 ± 5.329
−140
−160
−180
−200
−220
−240
−260
−280
−300
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 15.83
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

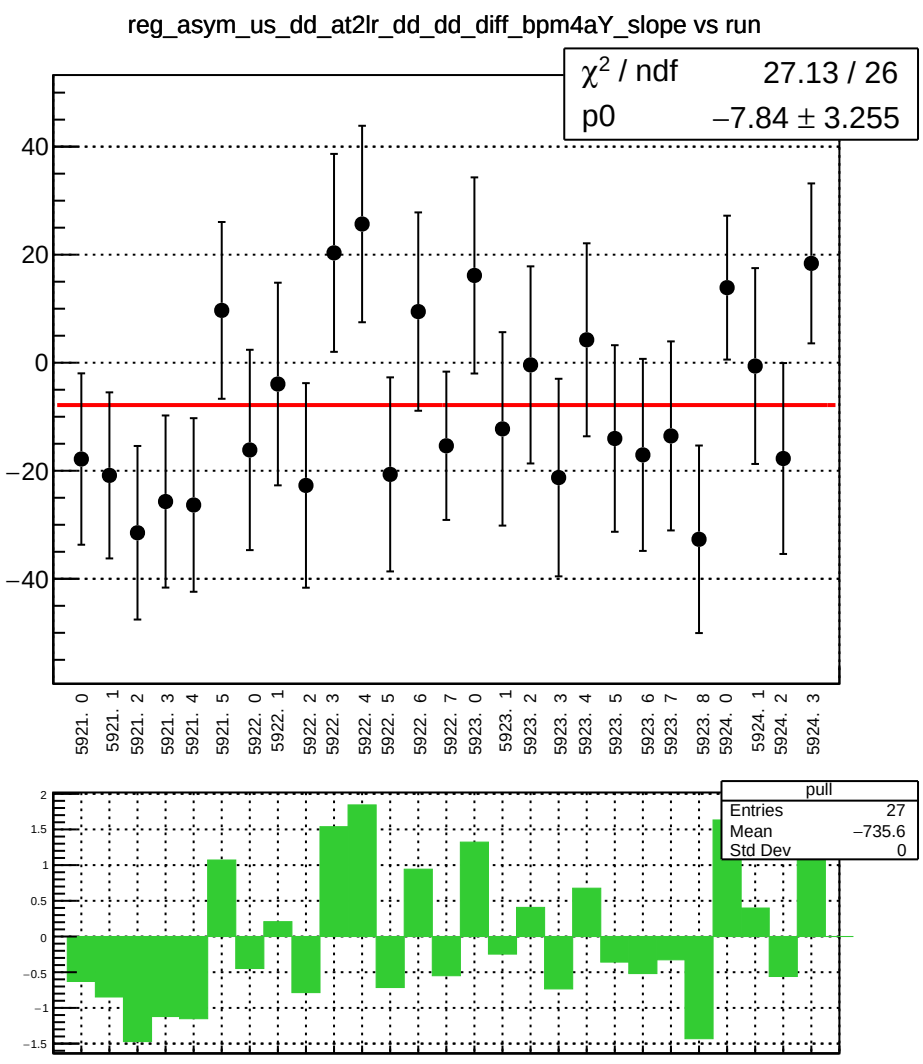

pull1D
Entries 27
Mean 0.03364
Std Dev 0.9182
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

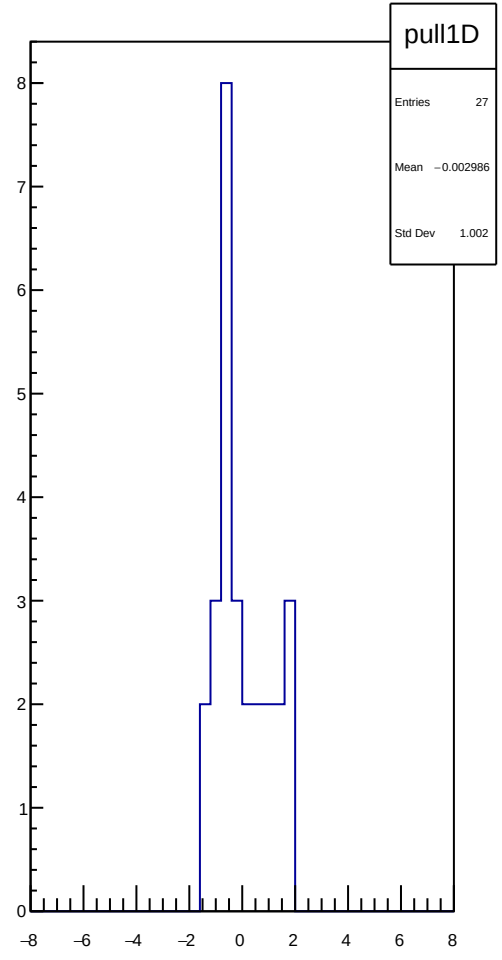

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 15.2 / 26
p0 −14.29 ± 6.035
60
40
20
0
−20
−40
−60
−80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 195.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1

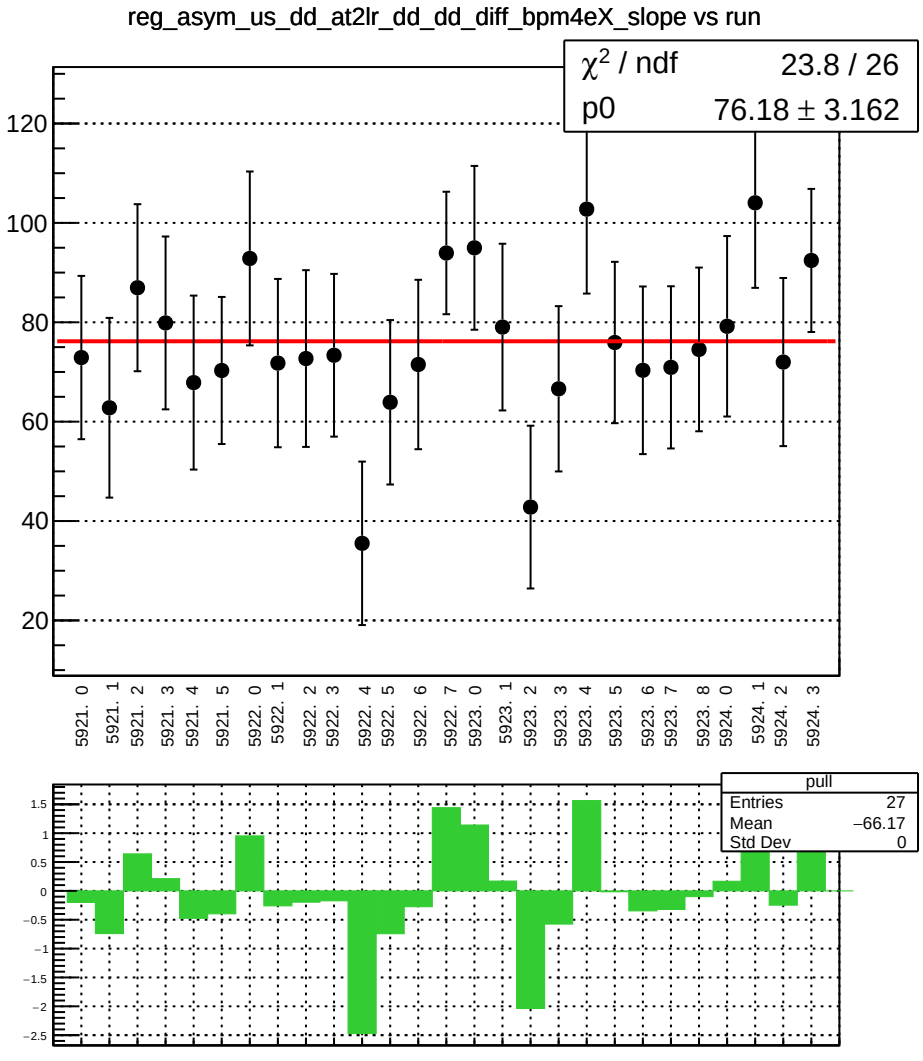

pull1D
Entries 27
Mean 0.01351
Std Dev 0.7503
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

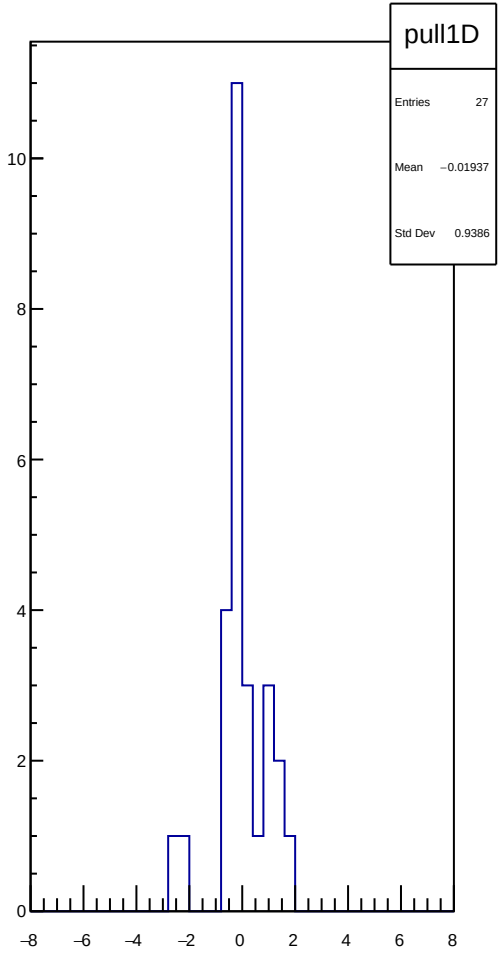

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 17.37 / 26
p0 24.68 ± 0.4125
30
28
26
24
22
20
18
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −16.43
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.02966
Std Dev 0.8015
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

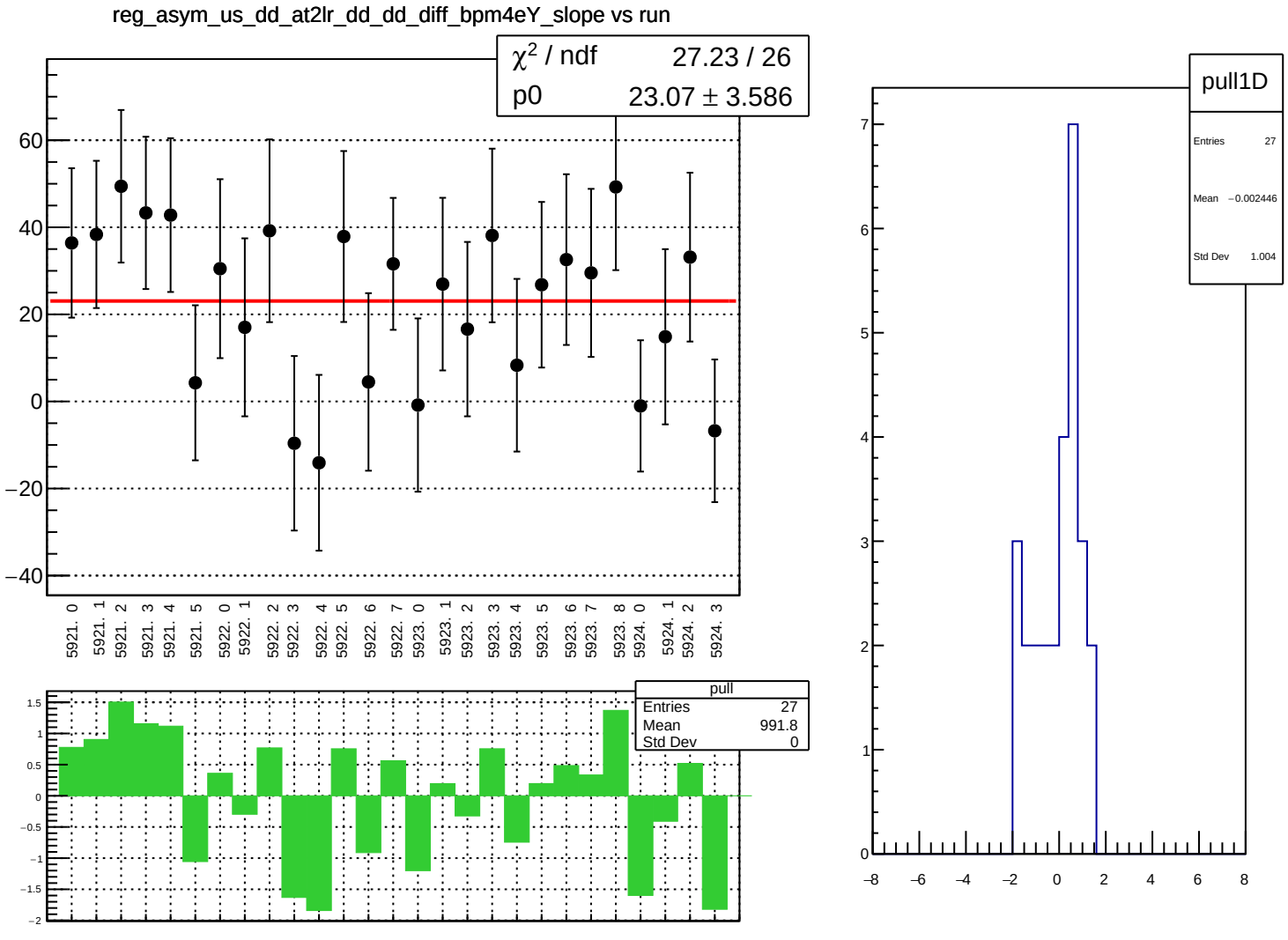

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 22.39 / 26
p0 −31.96 ± 2.217
10
0
−10
−20
−30
−40
−50
−60
−70
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −74.18
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.01849
Std Dev 0.9105
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

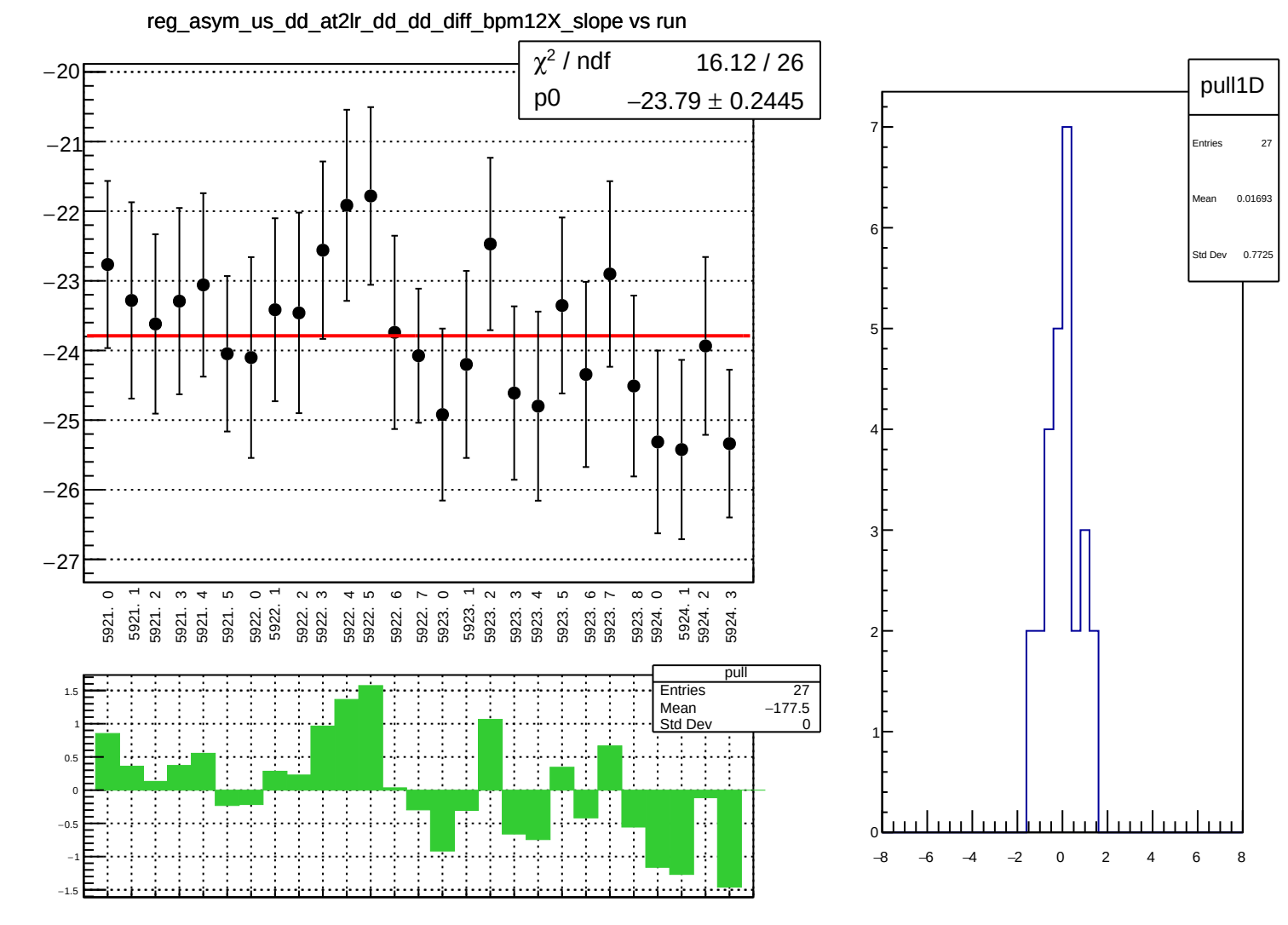

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 27.13 / 26
p0 −7.84 ± 3.255
40
20
0
−20
−40
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −735.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

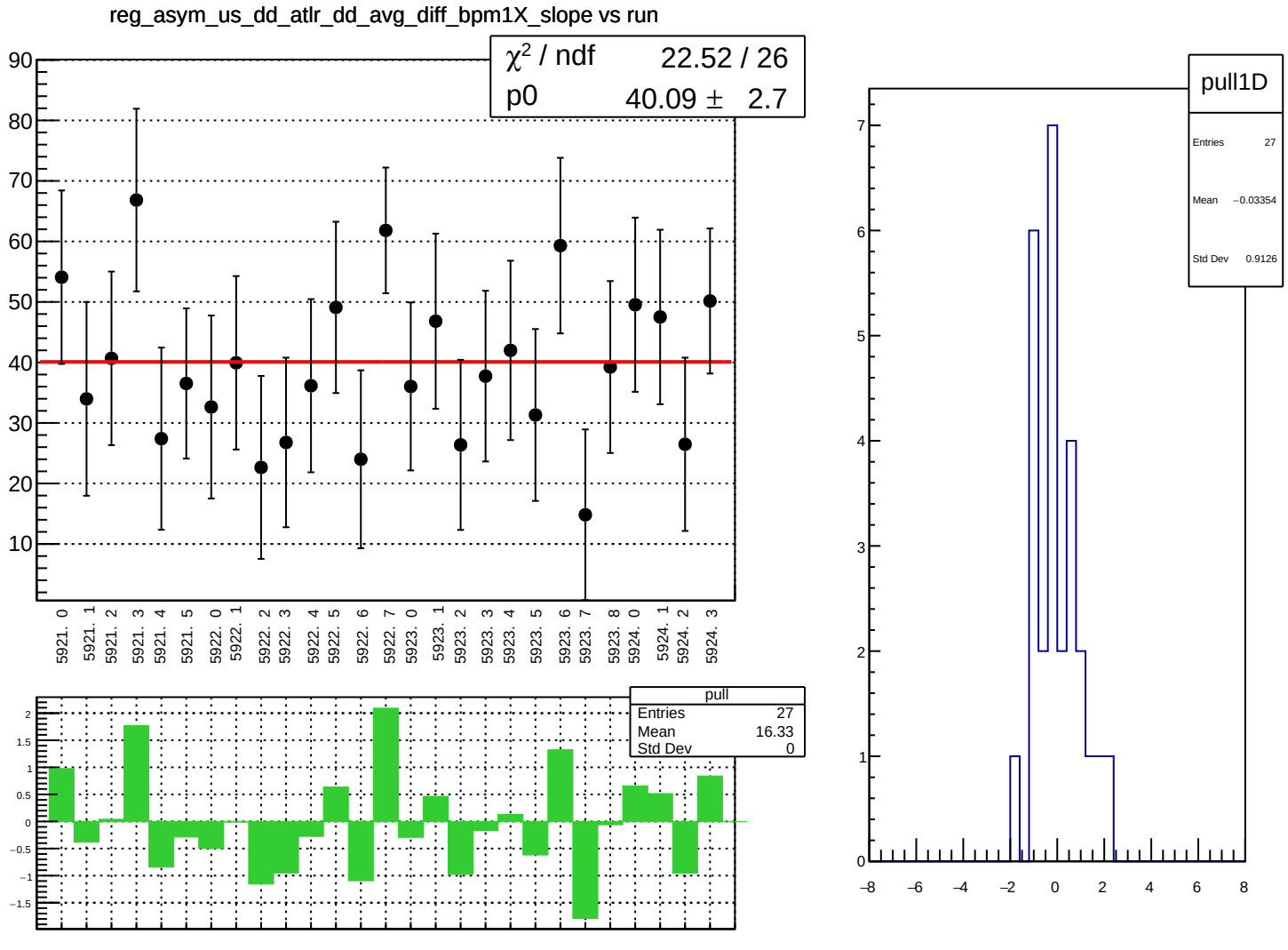

pull1D
Entries 27
Mean −0.002986
Std Dev 1.002
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

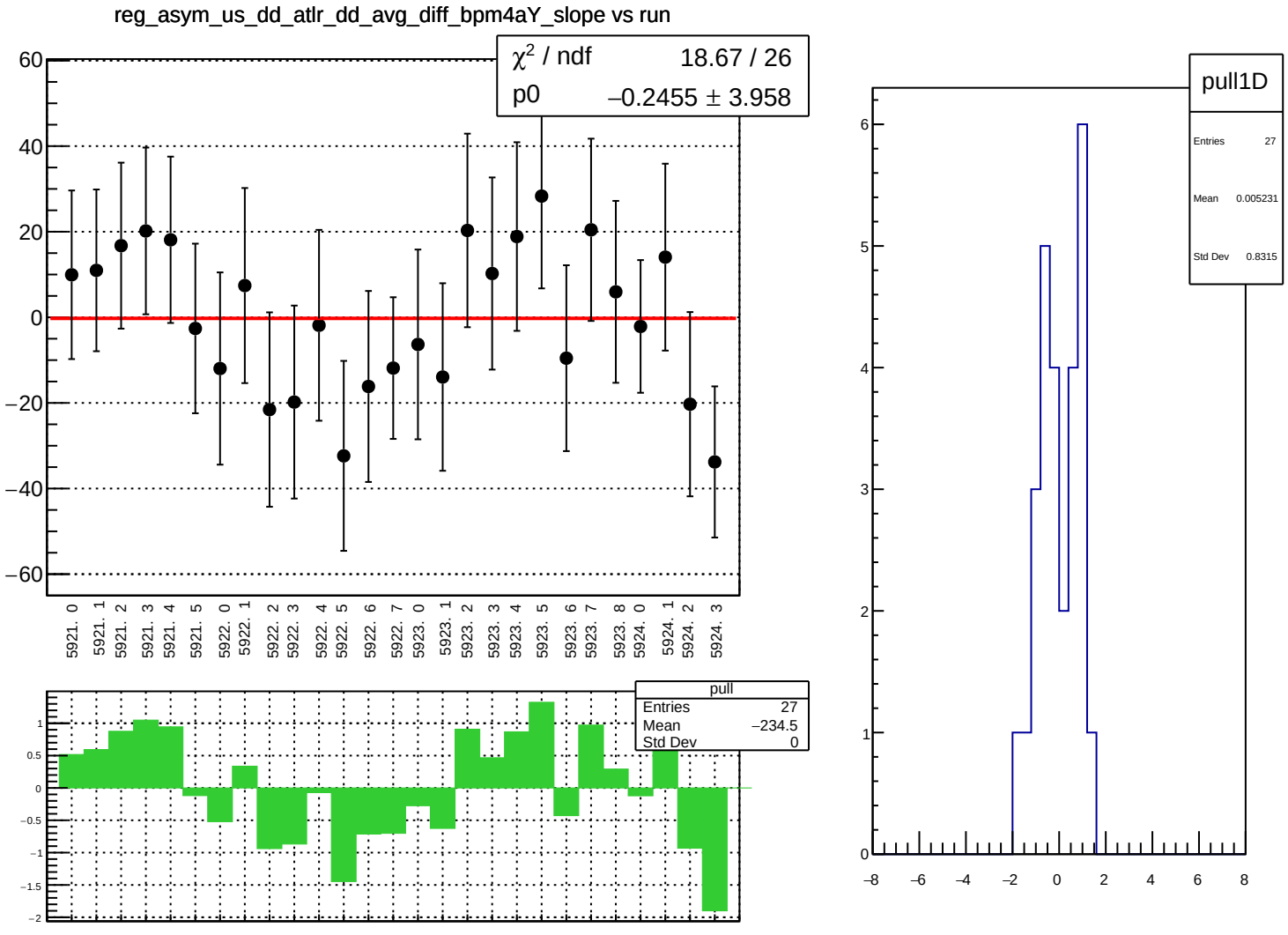

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 23.8 / 26
p0 76.18 ± 3.162
120
100
80
60
40
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −66.17
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

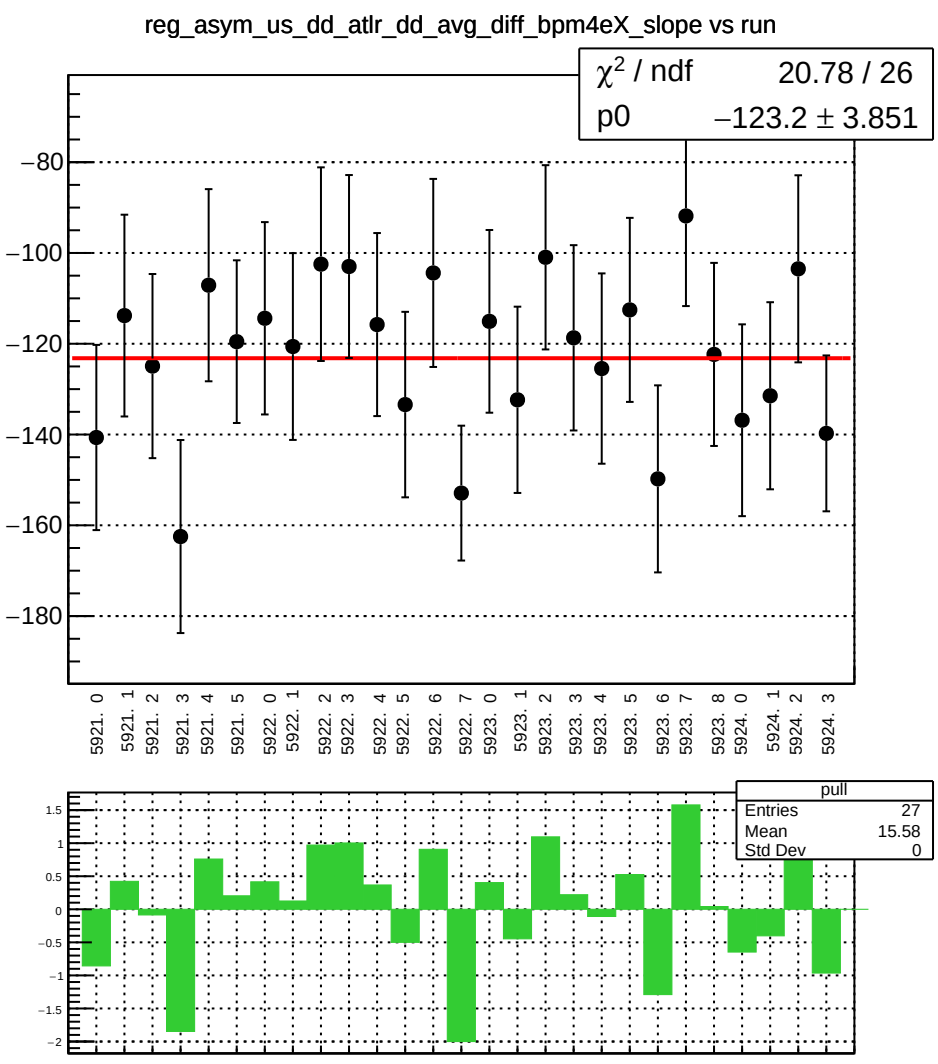

pull1D
Entries 27
Mean −0.01937
Std Dev 0.9386
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

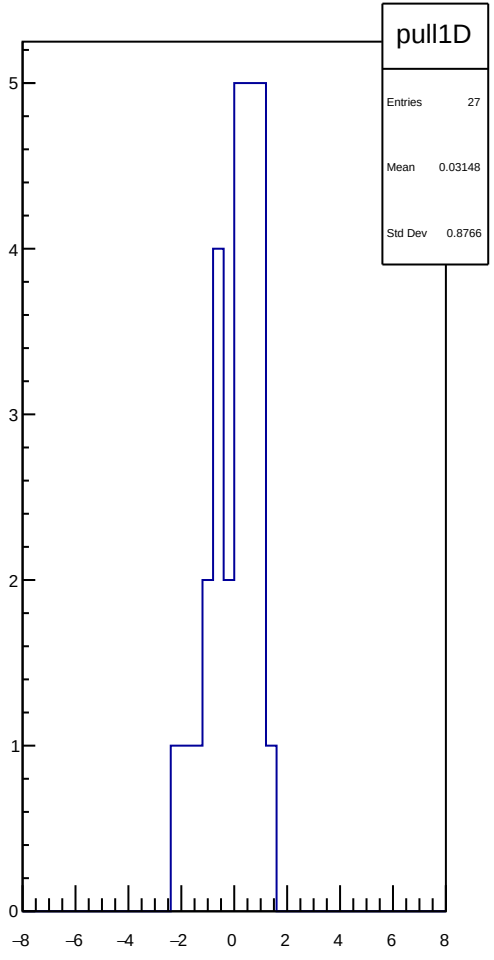

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 27.23 / 26
p0 23.07 ± 3.586
60
40
20
0
−20
−40
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 991.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean −0.002446
Std Dev 1.004
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

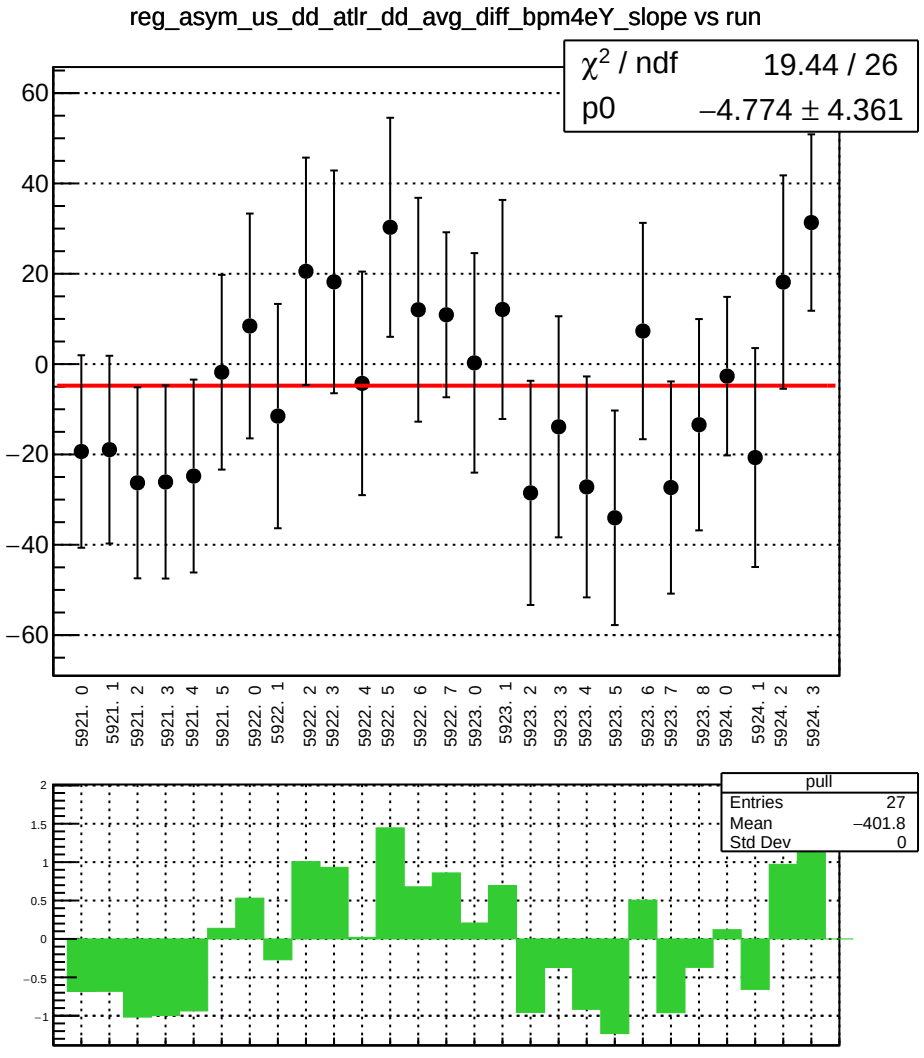

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 16.12 / 26
p0 −23.79 ± 0.2445
−20
−21
−22
−23
−24
−25
−26
−27
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −177.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.01693
Std Dev 0.7725
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

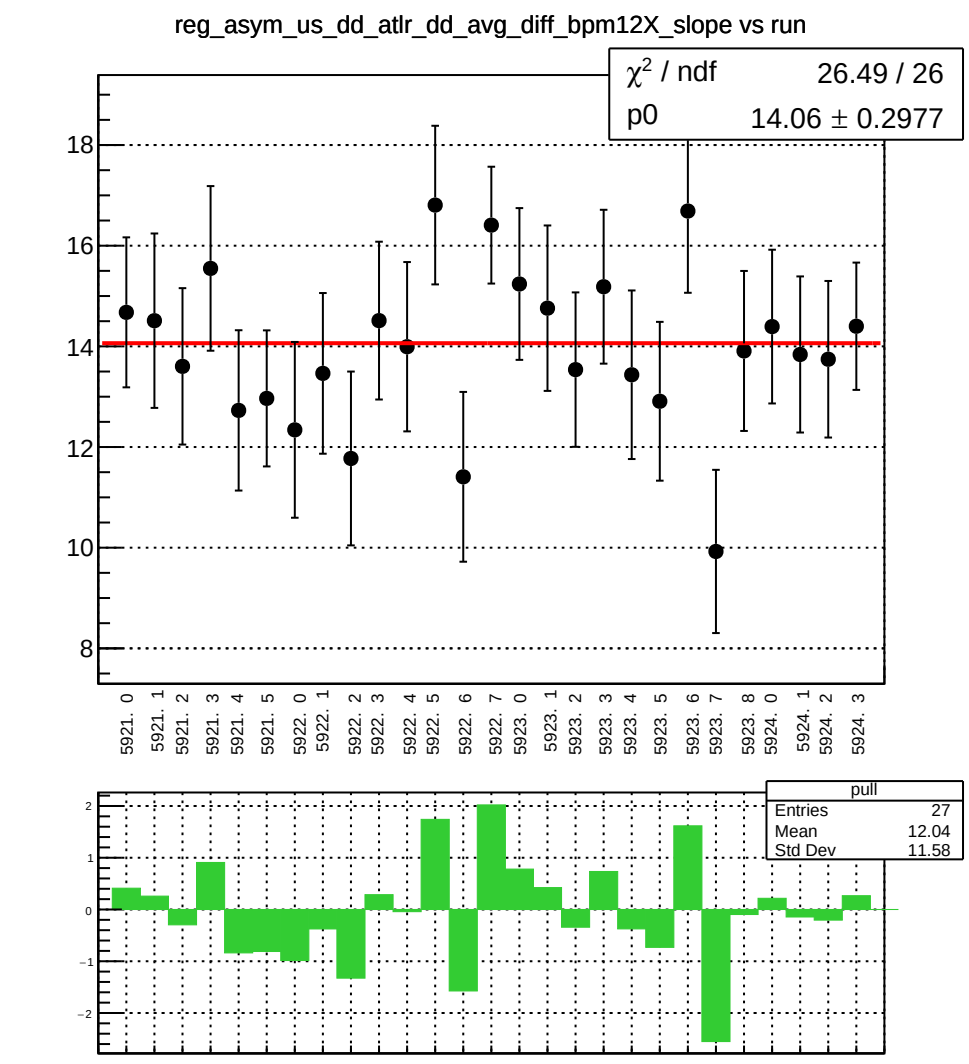

reg_asym_us_dd_atlr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 22.52 / 26
p0 40.09 ± 2.7
pull
Entries 27
Mean 16.33
Std Dev 0
pull1D
Entries 27
Mean −0.03354
Std Dev 0.9126

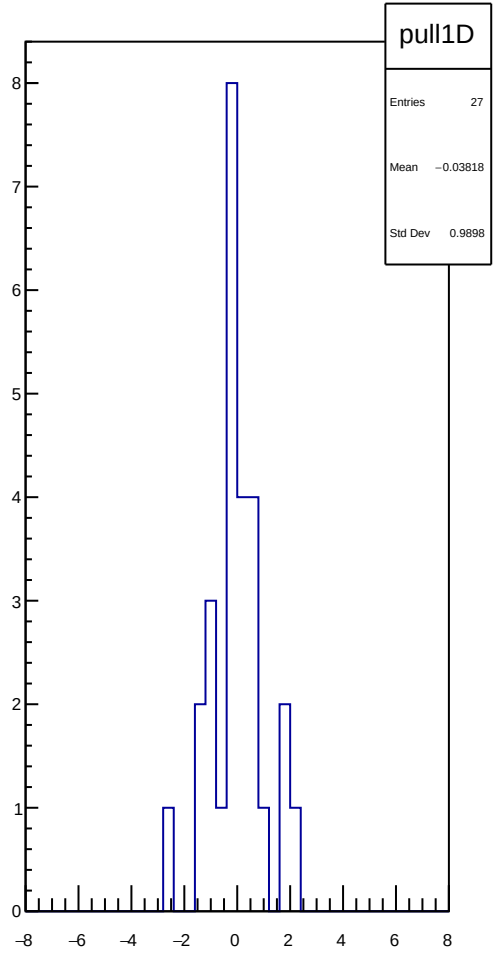

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 18.67 / 26
p0 −0.2455 ± 3.958
60
40
20
0
−20
−40
−60
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −234.5
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 27
Mean 0.005231
Std Dev 0.8315
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

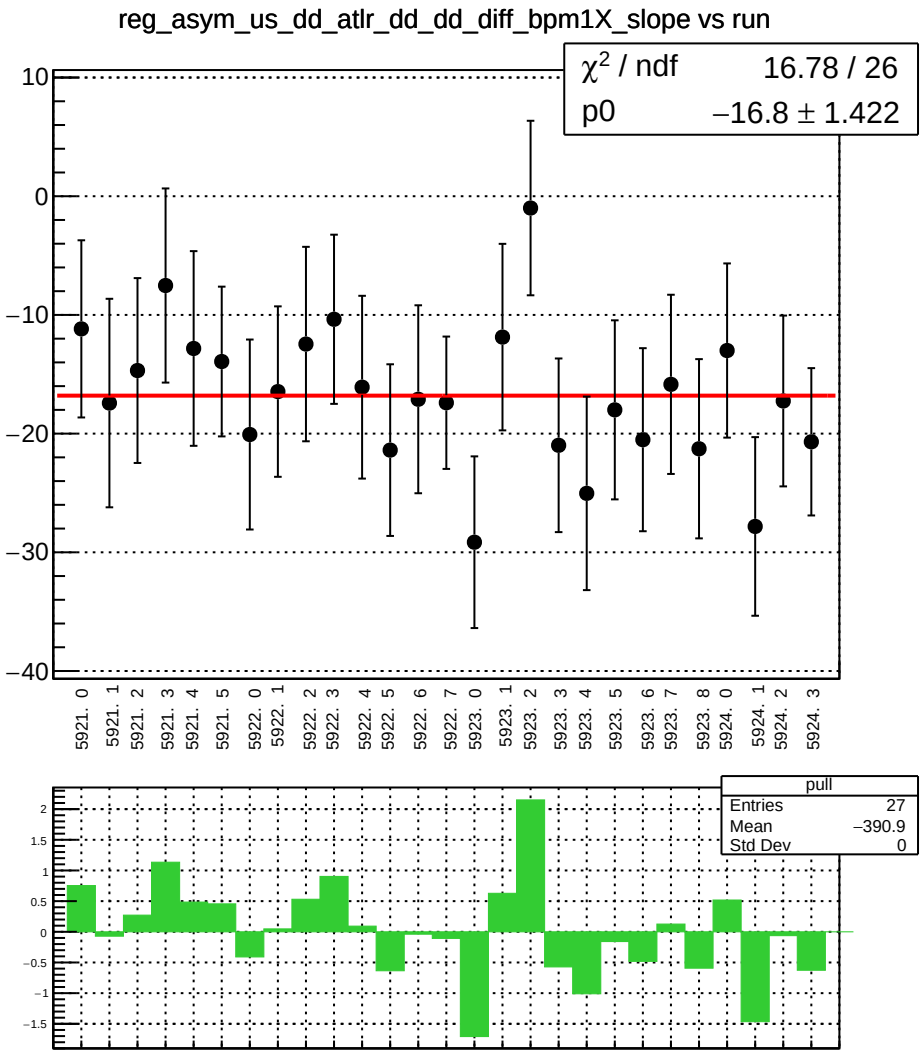

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 20.78 / 26
p0 −123.2 ± 3.851
−80
−100
−120
−140
−160
−180
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 15.58
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

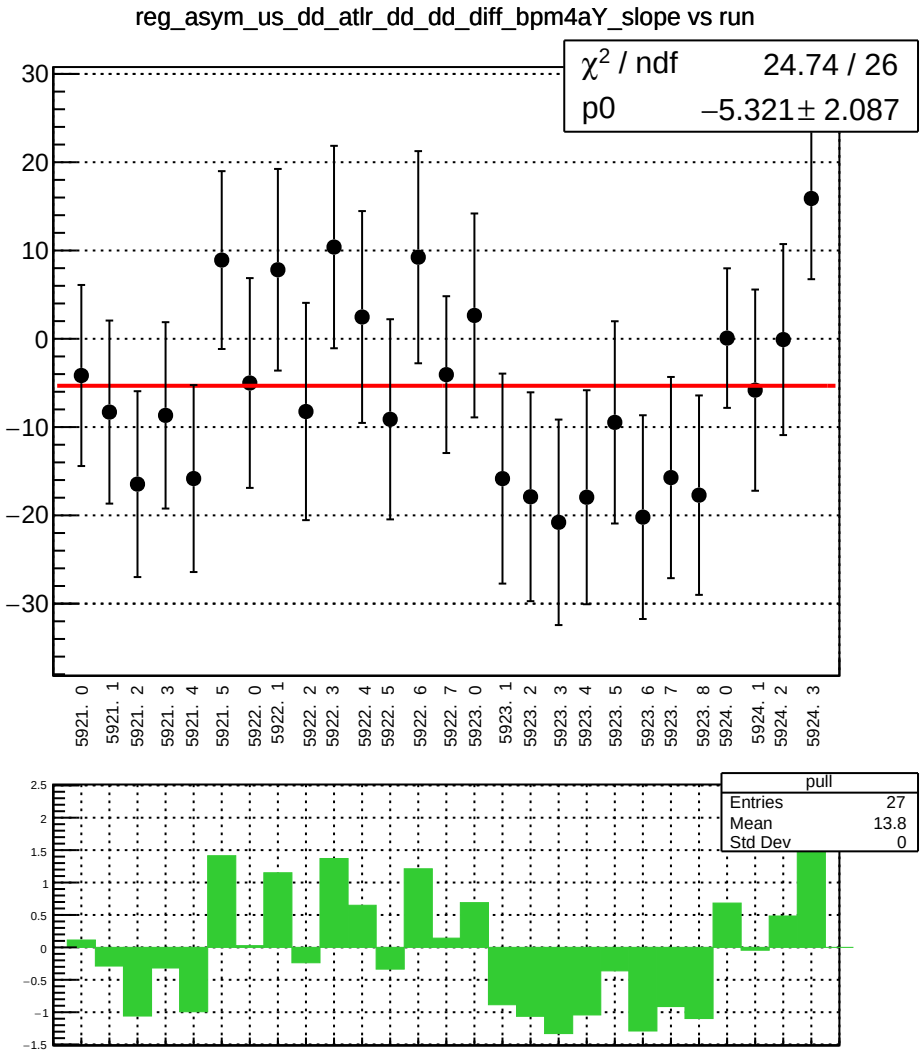

pull1D
Entries 27
Mean 0.03148
Std Dev 0.8766
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

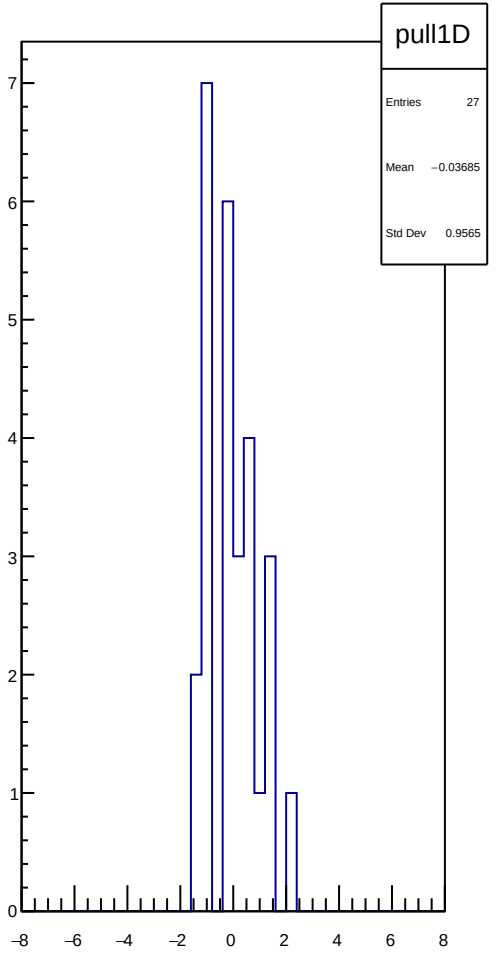

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 19.44 / 26
p0 −4.774 ± 4.361
pull
Entries 27
Mean −401.8
Std Dev 0
pull1D
Entries 27
Mean −0.003437
Std Dev 0.8486

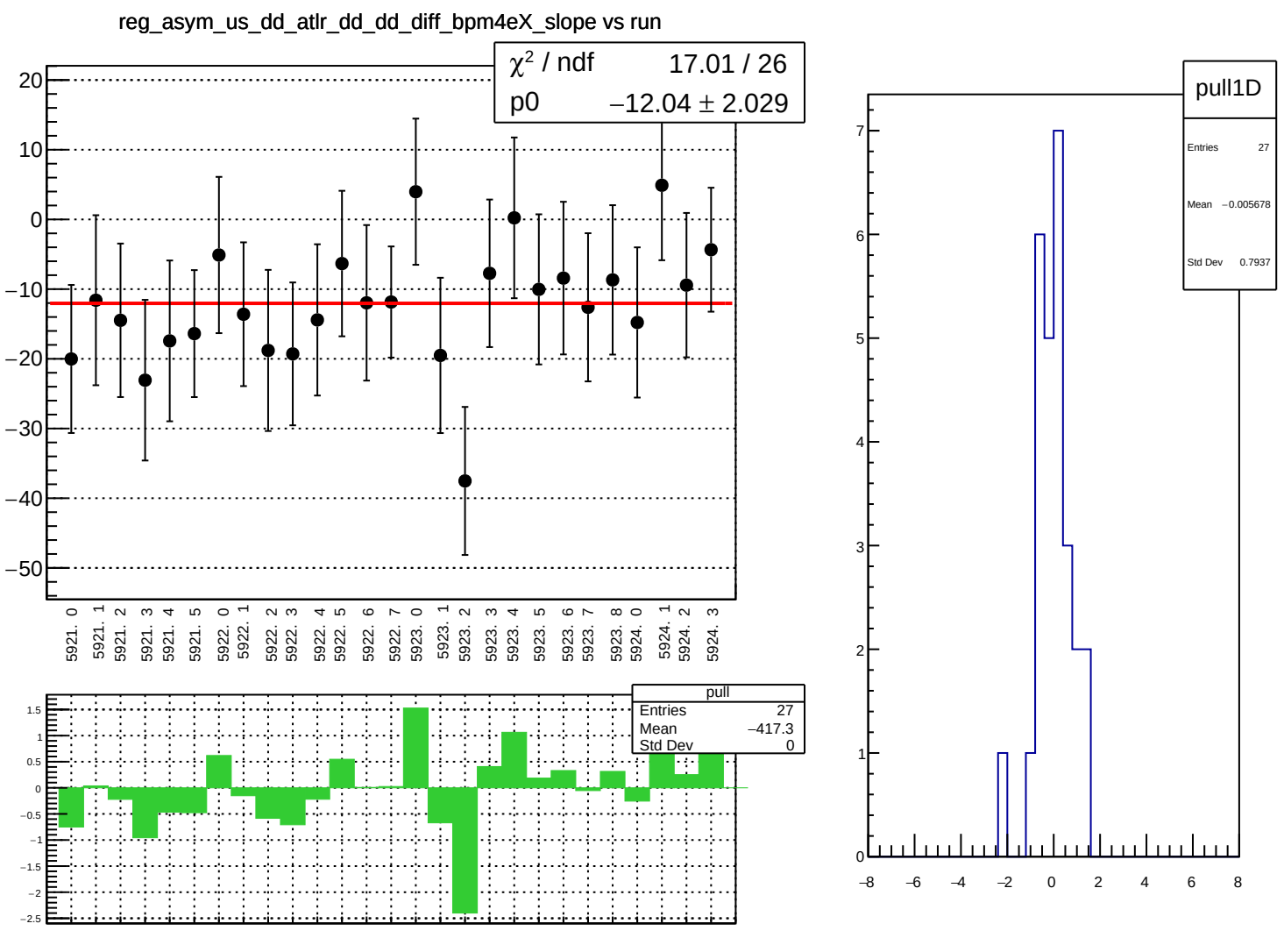

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 26.49 / 26
p0 14.06 ± 0.2977
18
16
14
12
10
8
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 12.04
Std Dev 11.58
2
1
0
−1
−2

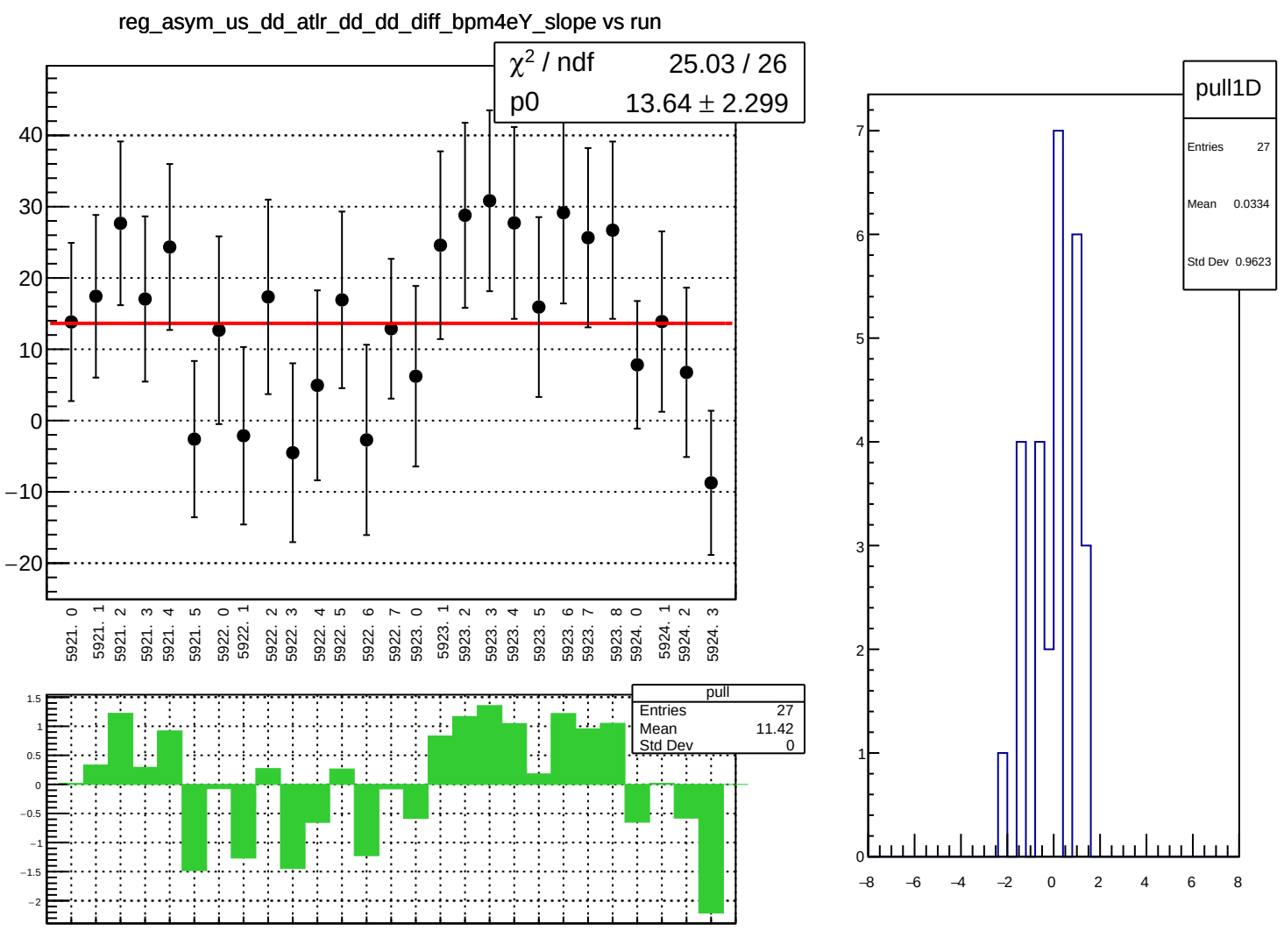

pull1D
Entries 27
Mean −0.03818
Std Dev 0.9898
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

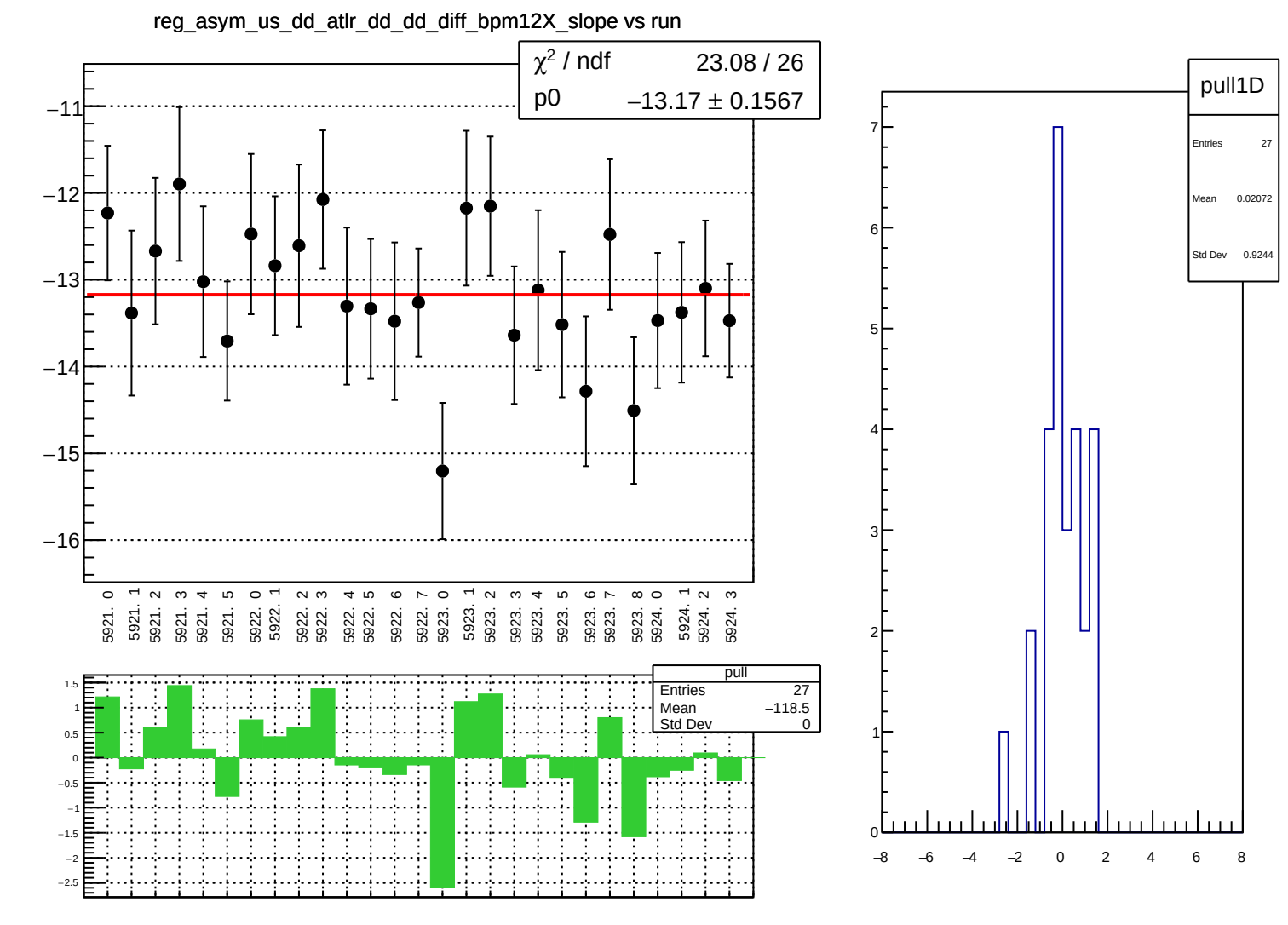

reg_asym_us_dd_atlr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 16.78 / 26
p0 −16.8 ± 1.422
10
0
−10
−20
−30
−40
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −390.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.005839
Std Dev 0.7883
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

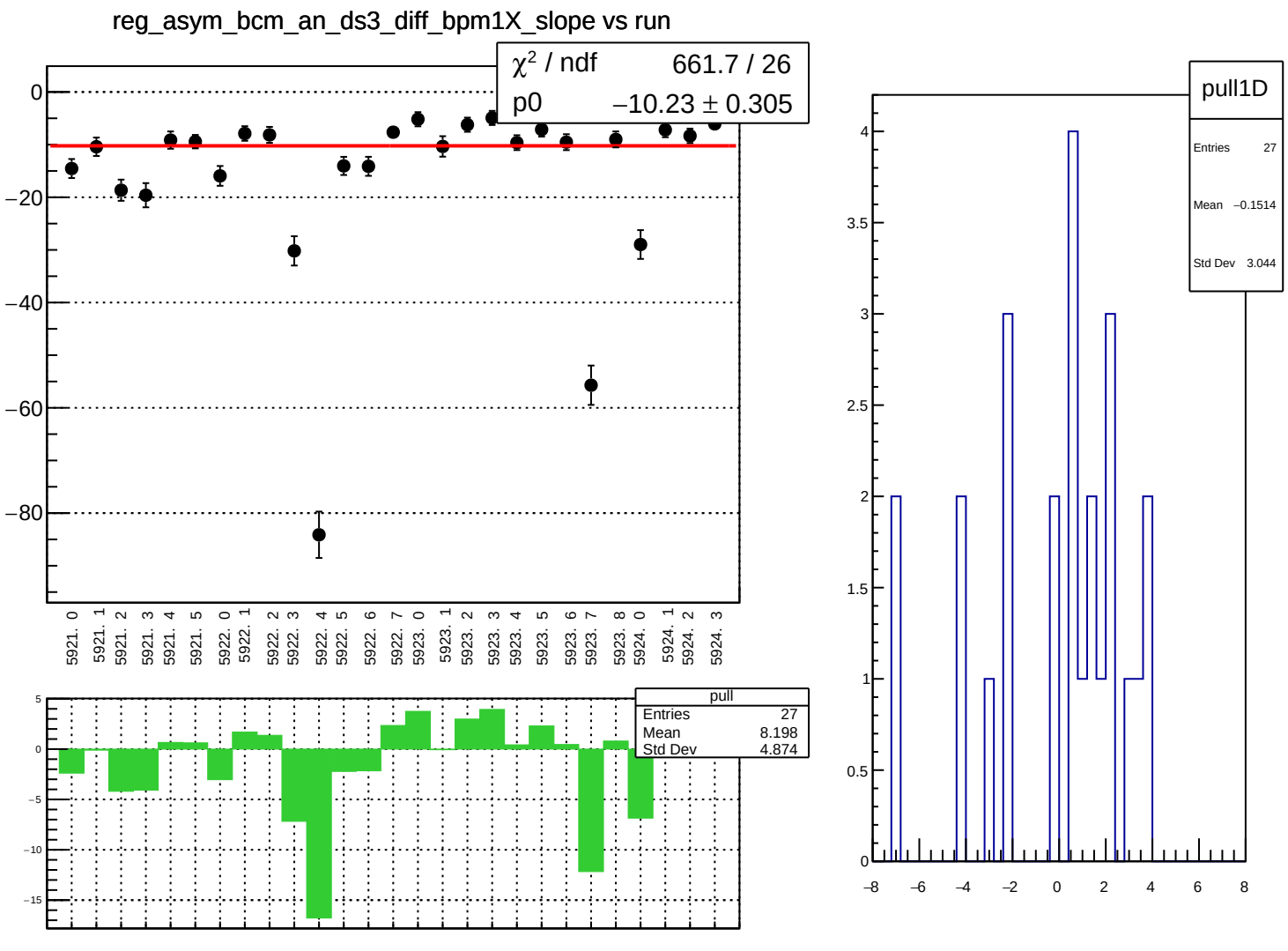

reg_asym_us_dd_atlr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 24.74 / 26
p0 −5.321 ± 2.087
30
20
10
0
−10
−20
−30
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 13.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

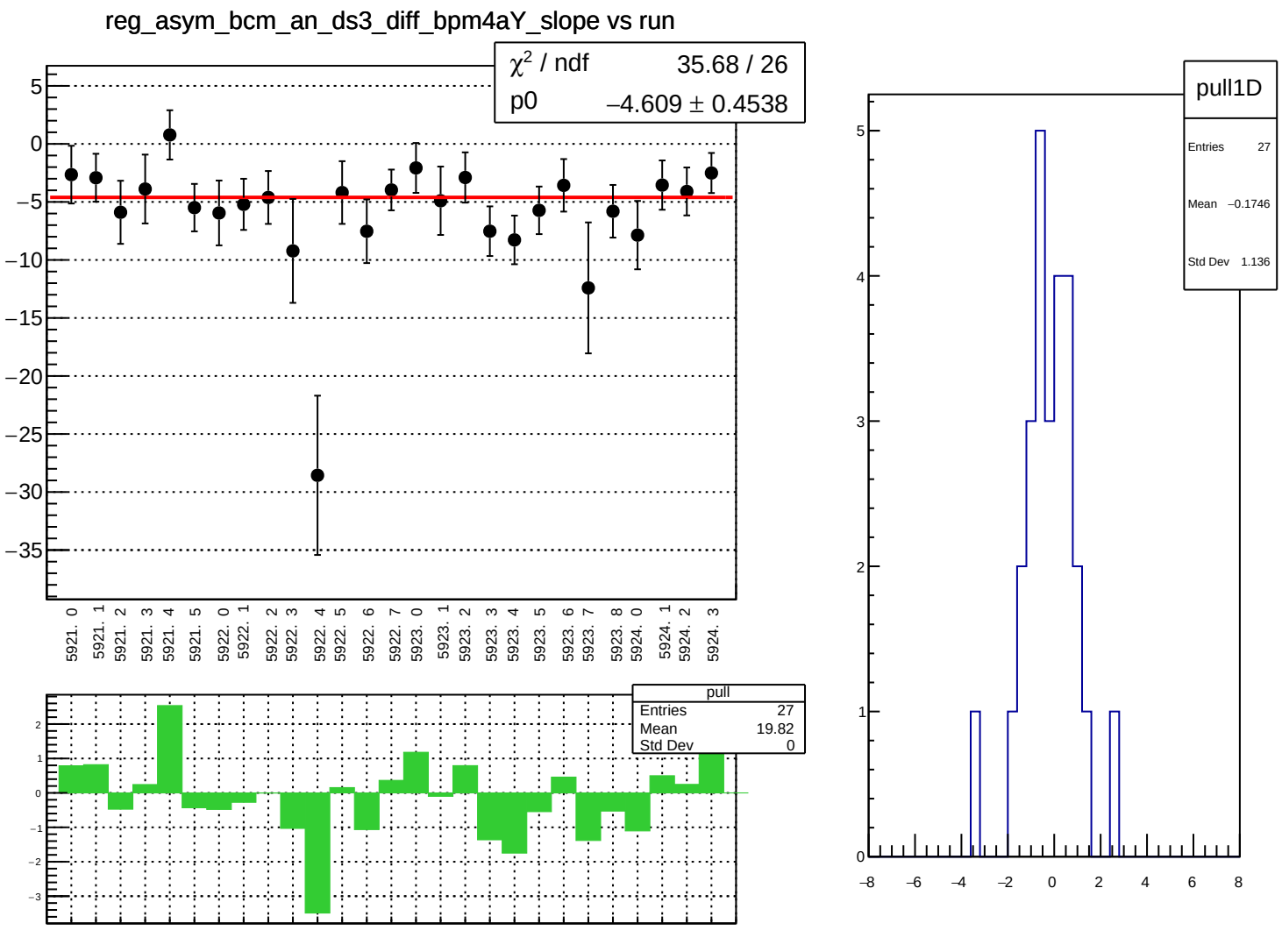

pull1D
Entries 27
Mean −0.03685
Std Dev 0.9565
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

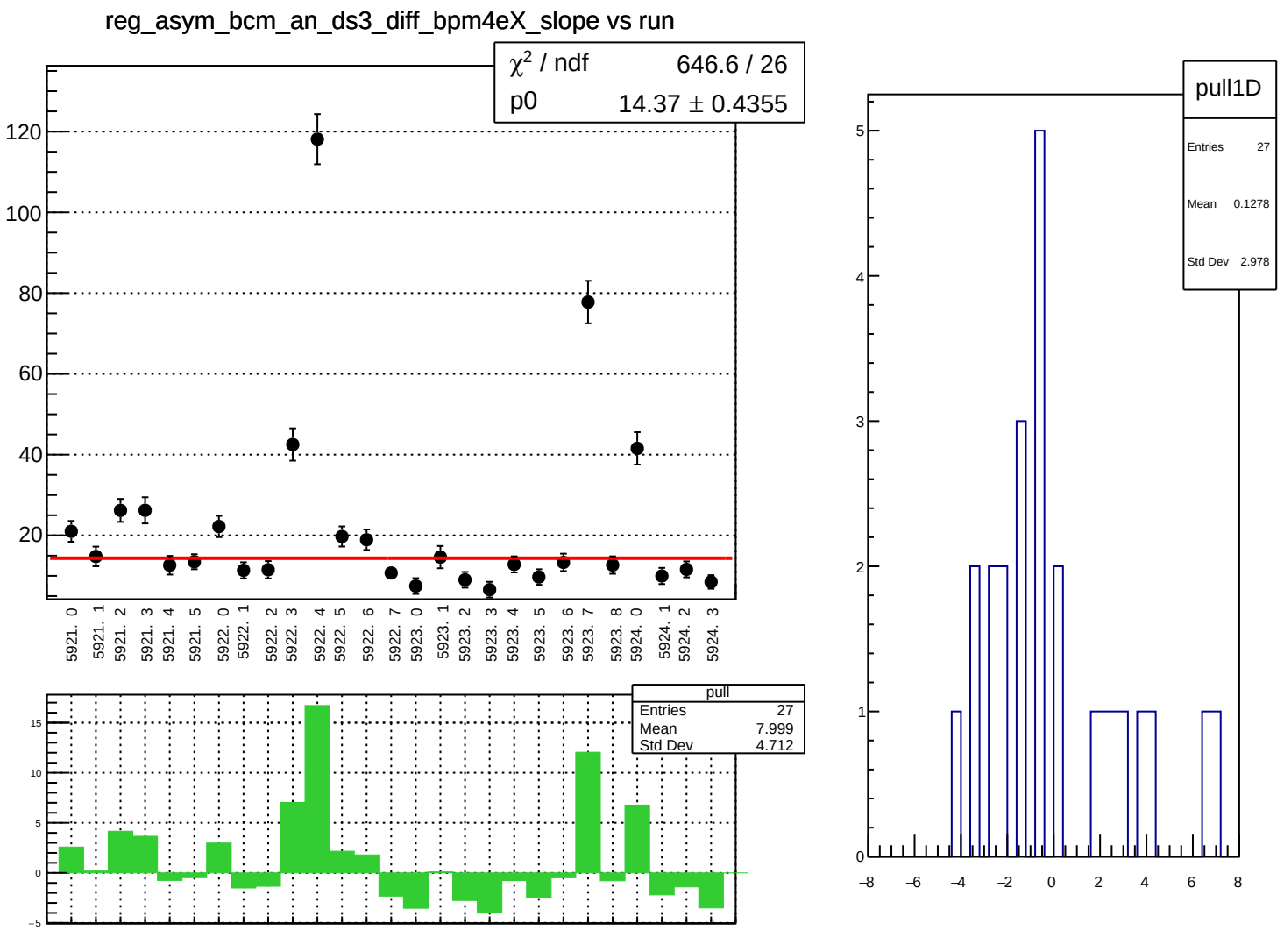

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 17.01 / 26
p0 −12.04 ± 2.029
pull
Entries 27
Mean −417.3
Std Dev 0
pull1D
Entries 27
Mean −0.005678
Std Dev 0.7937

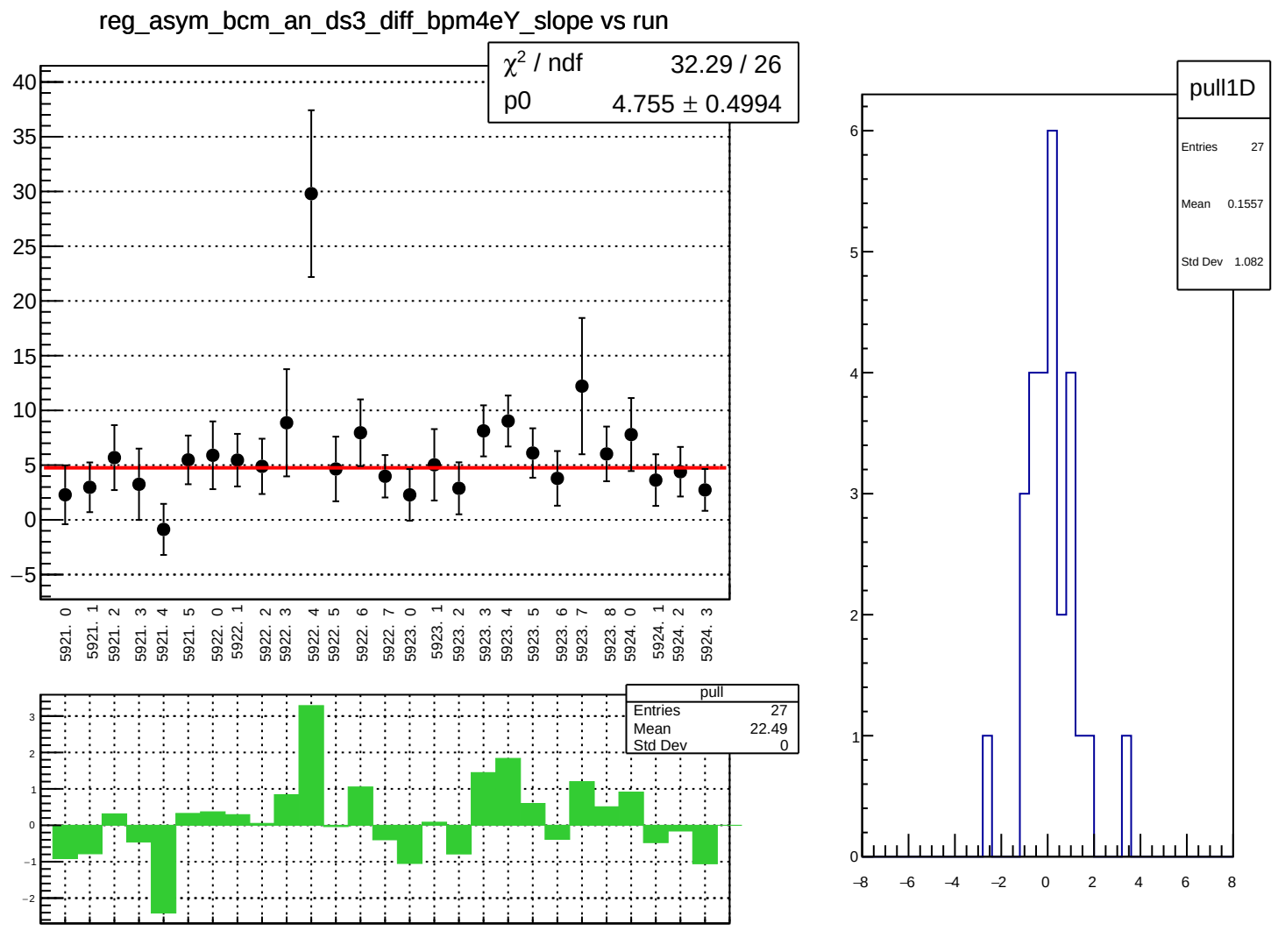

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 25.03 / 26
p0 13.64 ± 2.299
pull
Entries 27
Mean 11.42
Std Dev 0
pull1D
Entries 27
Mean 0.0334
Std Dev 0.9623

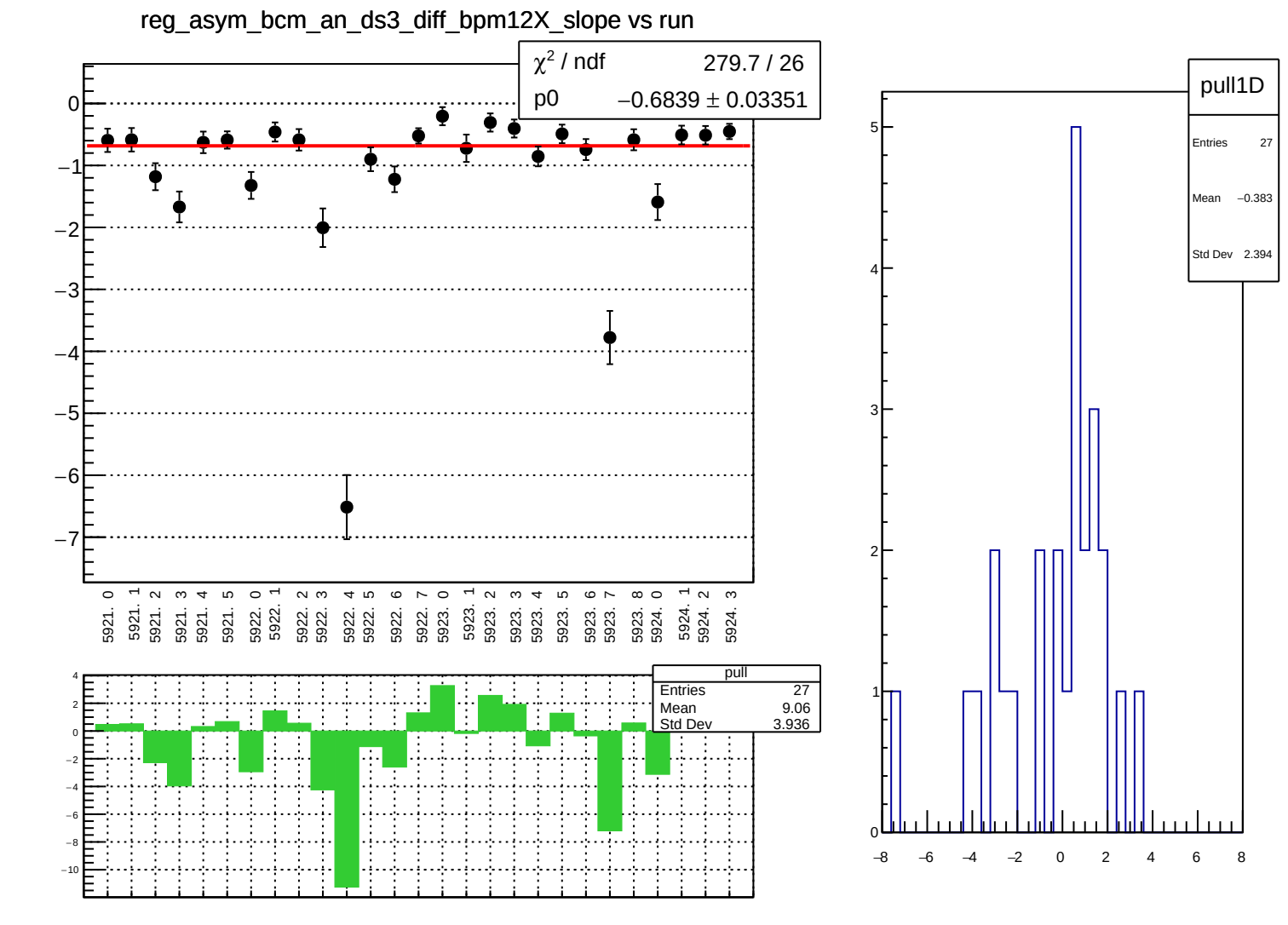

reg_asym_us_dd_atlr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 23.08 / 26
p0 −13.17 ± 0.1567
pull
Entries 27
Mean −118.5
Std Dev 0
pull1D
Entries 27
Mean 0.02072
Std Dev 0.9244

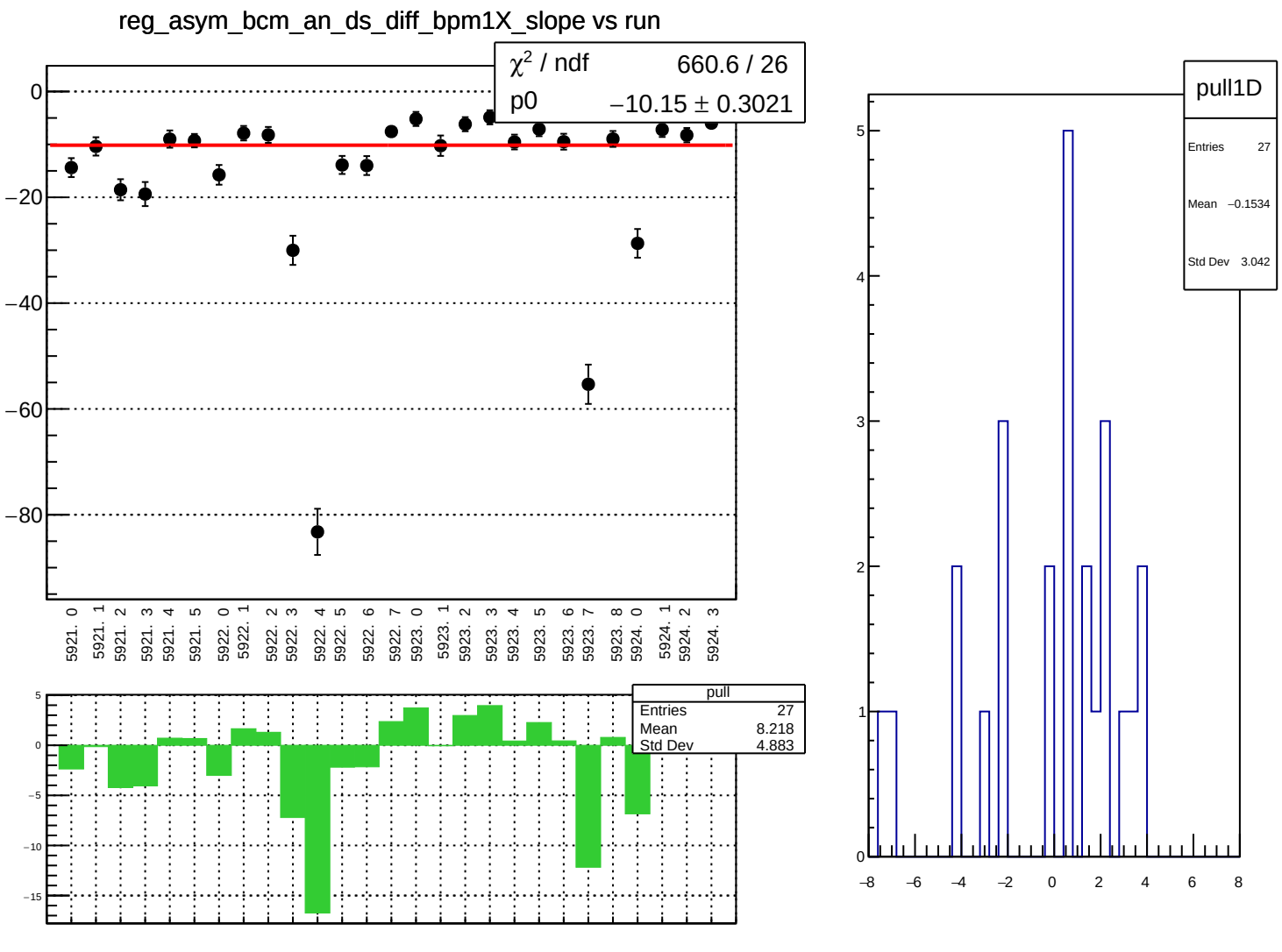

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 661.7 / 26
p0 −10.23 ± 0.305
0
−20
−40
−60
−80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 8.198
Std Dev 4.874
5
0
−5
−10
−15
pull1D
Entries 27
Mean −0.1514
Std Dev 3.044
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

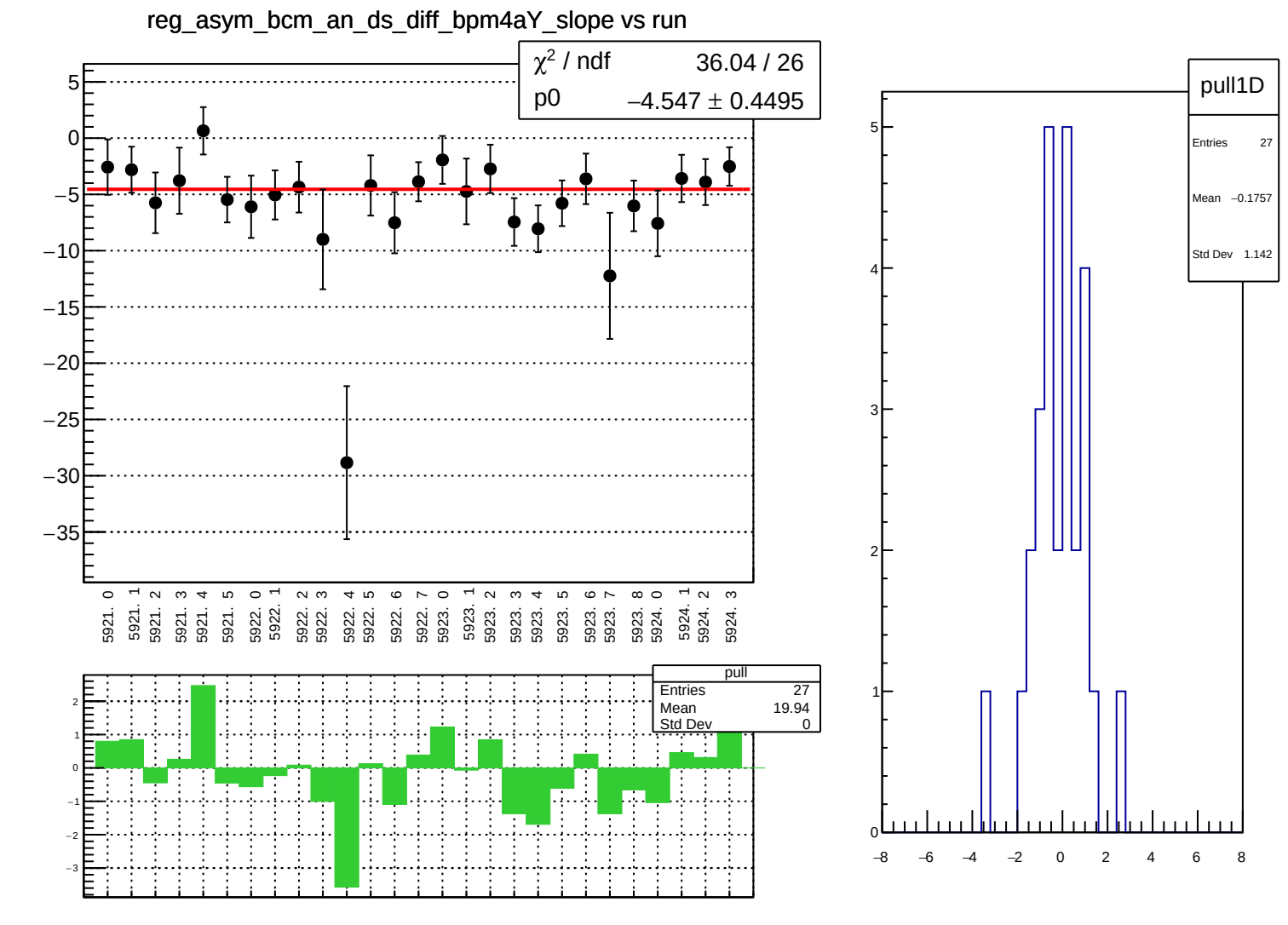

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 35.68 / 26
p0 −4.609 ± 0.4538
5
0
−5
−10
−15
−20
−25
−30
−35
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 19.82
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 27
Mean −0.1746
Std Dev 1.136
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

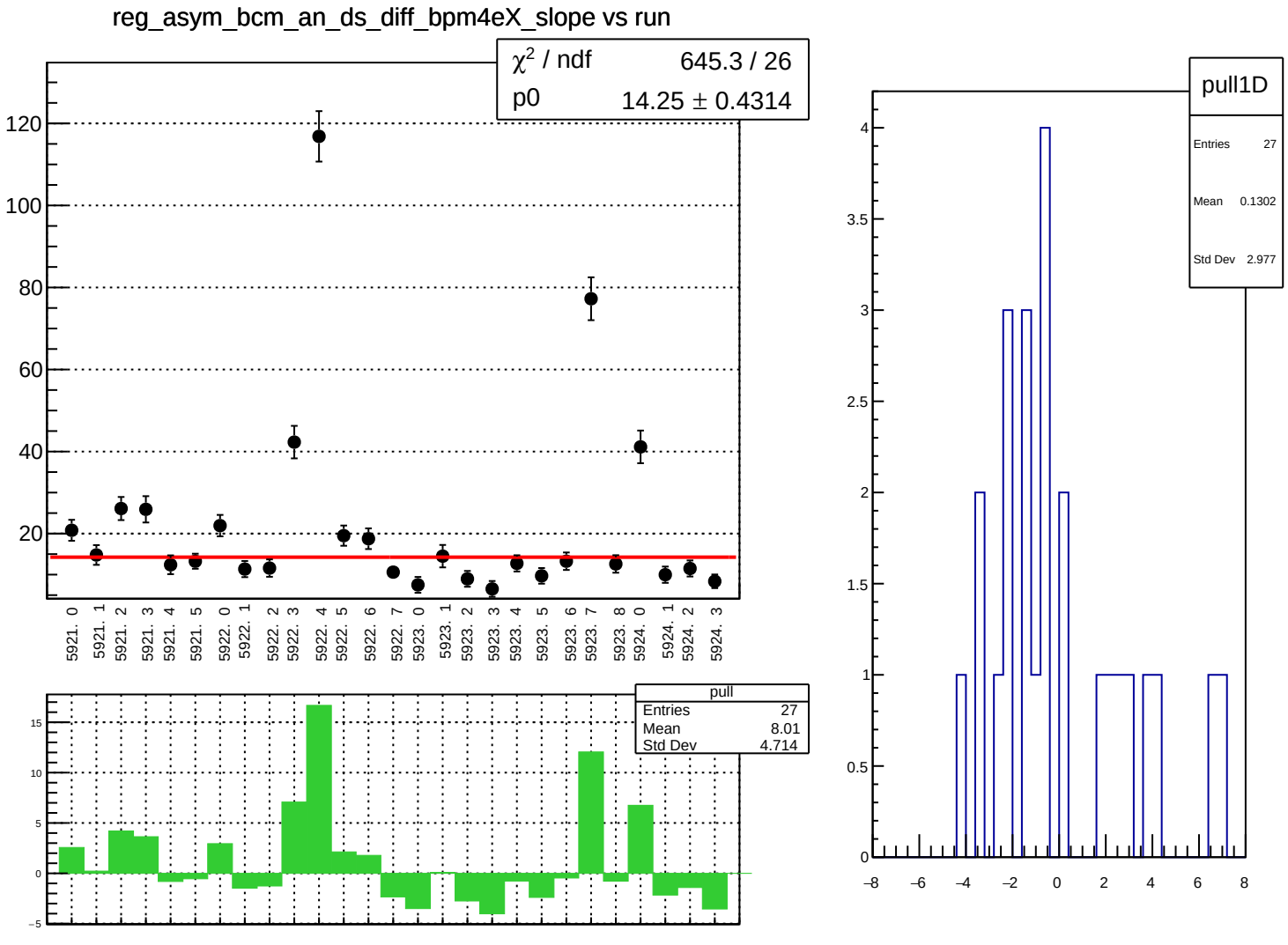

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 646.6 / 26
p0 14.37 ± 0.4355
120
100
80
60
40
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 7.999
Std Dev 4.712
15
10
5
0
−5
pull1D
Entries 27
Mean 0.1278
Std Dev 2.978
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

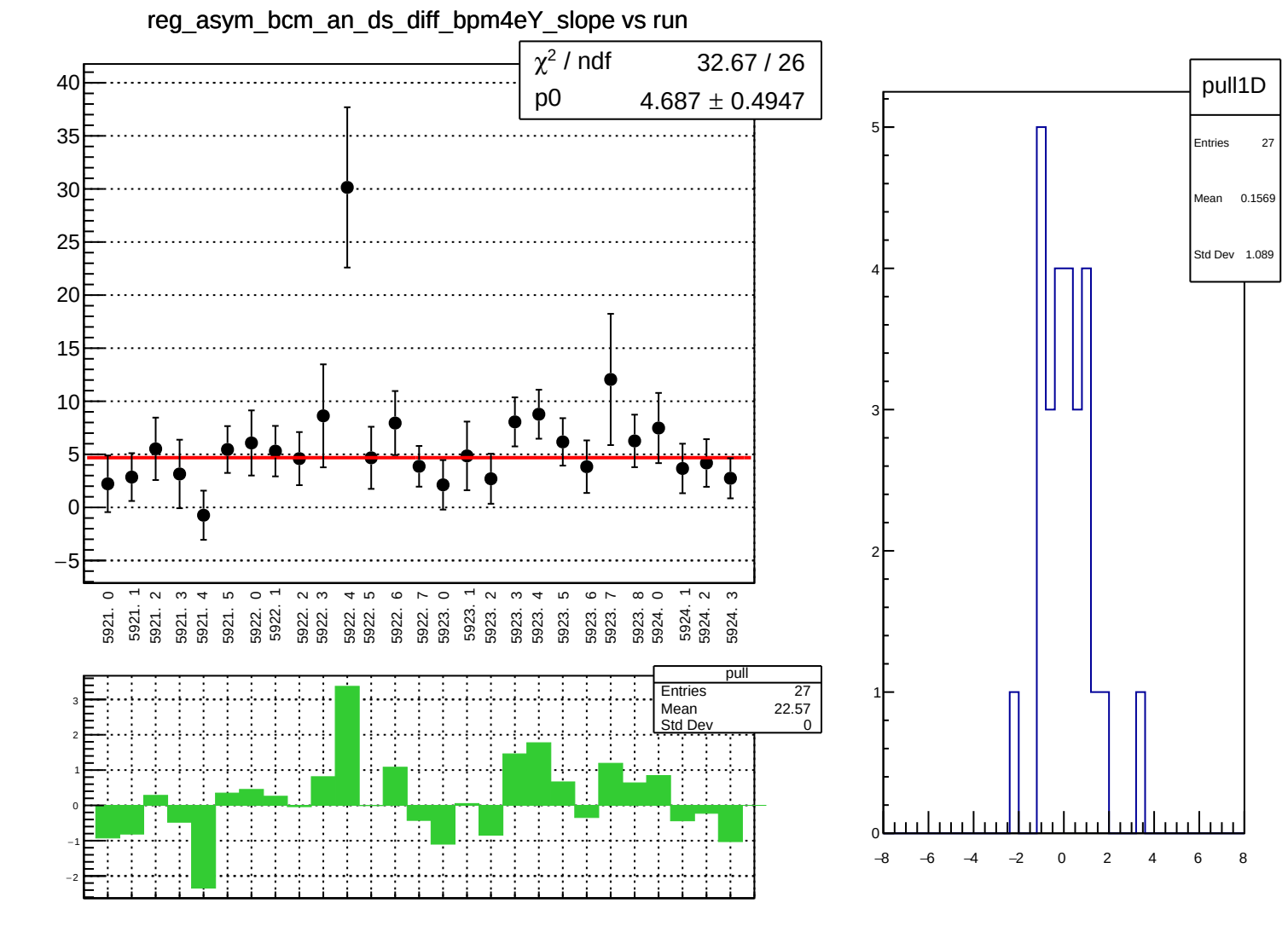

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 32.29 / 26
p0 4.755 ± 0.4994
pull
Entries 27
Mean 22.49
Std Dev 0
pull1D
Entries 27
Mean 0.1557
Std Dev 1.082

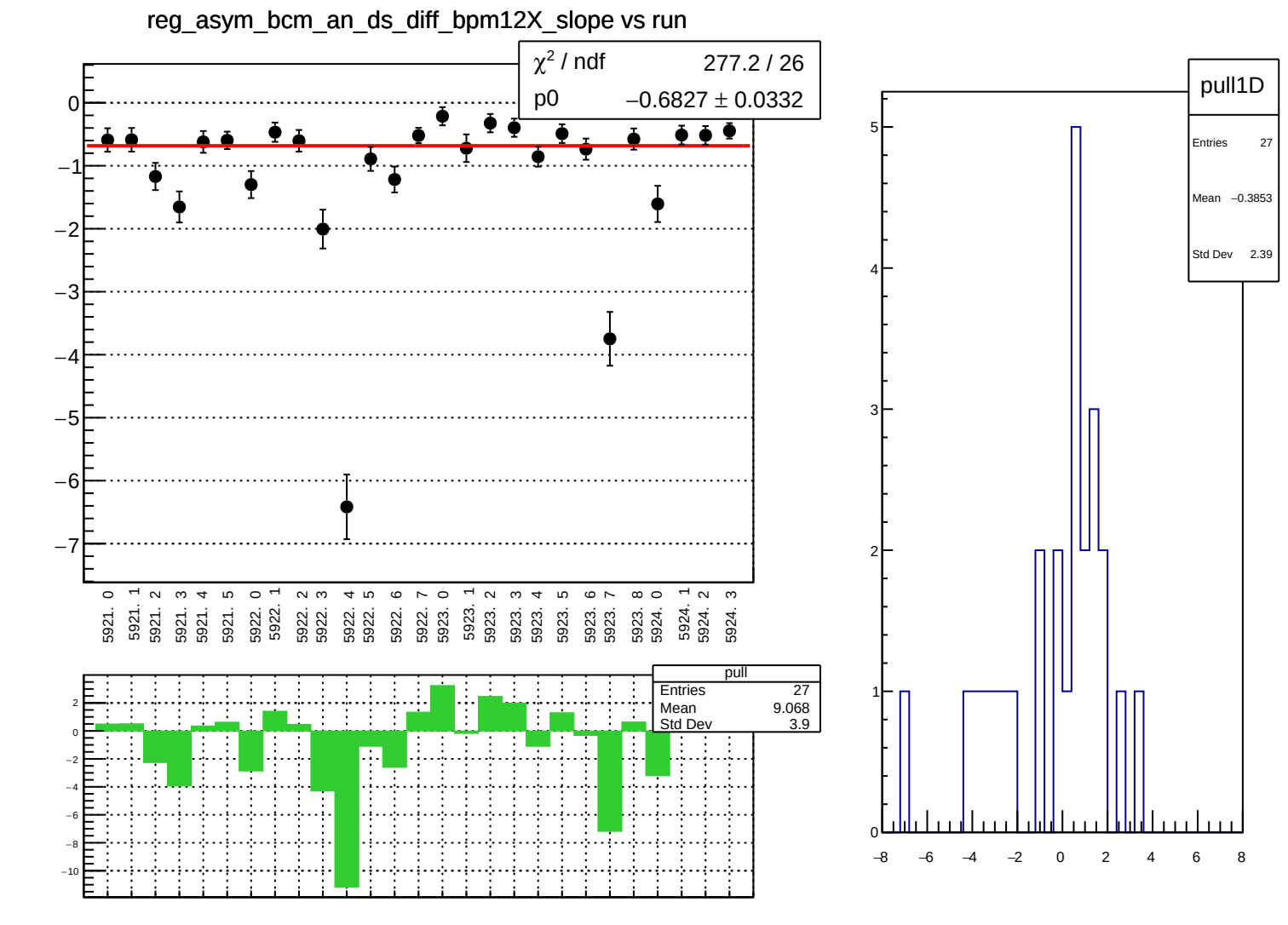

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 279.7 / 26
p0 −0.6839 ± 0.03351
0
−1
−2
−3
−4
−5
−6
−7
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 9.06
Std Dev 3.936
4
2
0
−2
−4
−6
−8
−10
pull1D
Entries 27
Mean −0.383
Std Dev 2.394
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

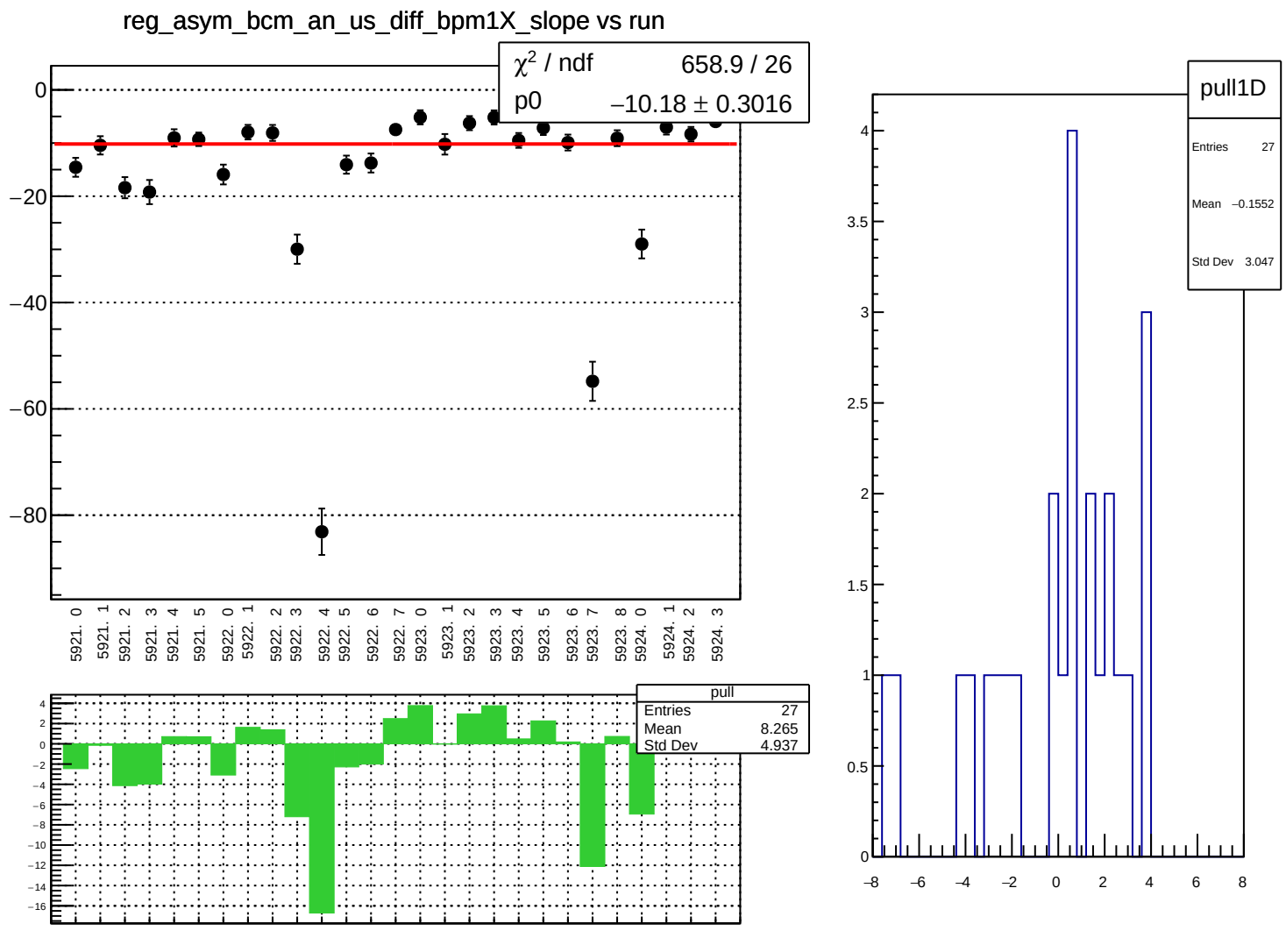

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 660.6 / 26
p0 −10.15 ± 0.3021
0
−20
−40
−60
−80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 8.218
Std Dev 4.883
5
0
−5
−10
−15
pull1D
Entries 27
Mean −0.1534
Std Dev 3.042
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

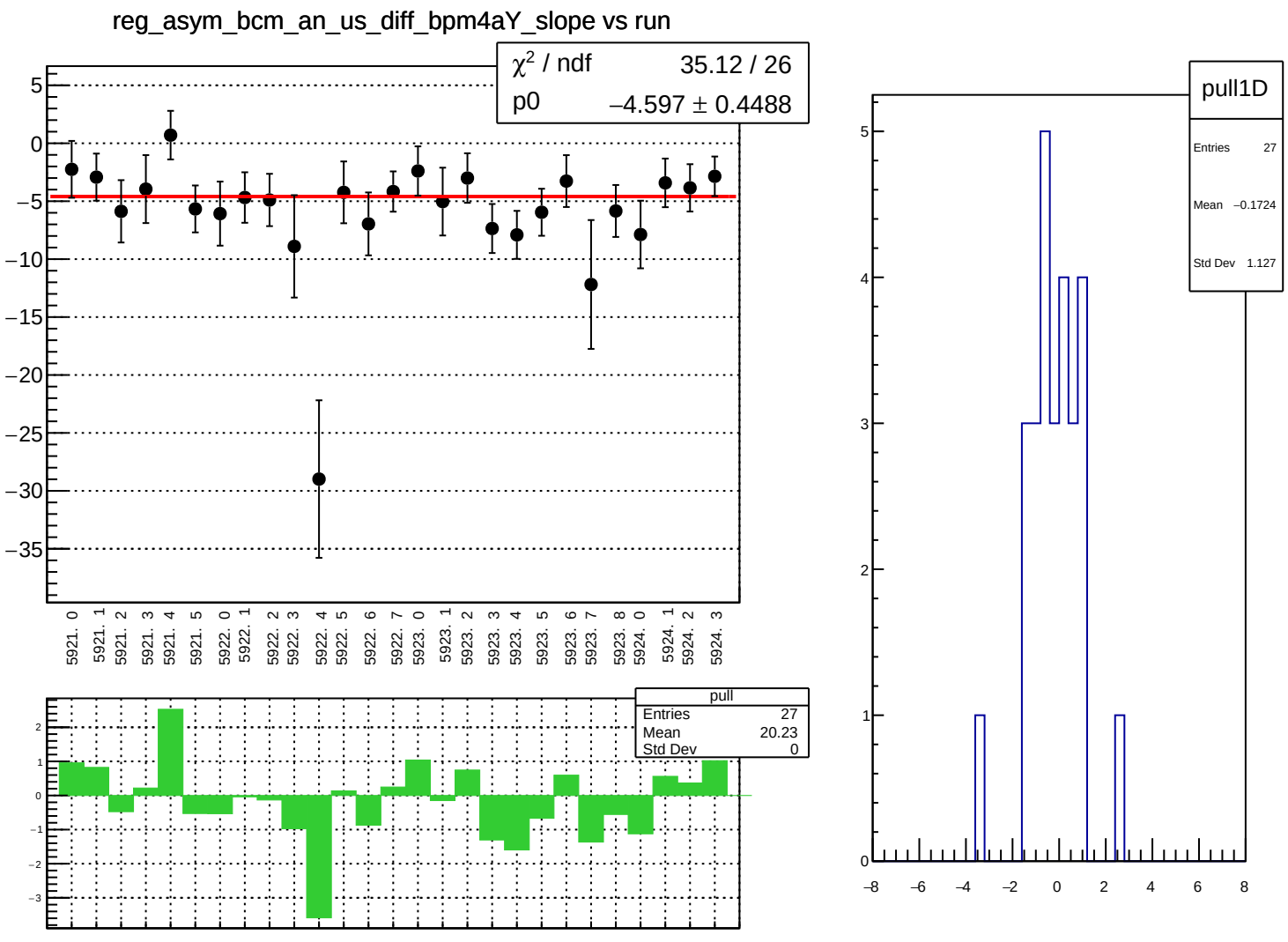

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 36.04 / 26
p0 −4.547 ± 0.4495
5
0
−5
−10
−15
−20
−25
−30
−35
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 19.94
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 27
Mean −0.1757
Std Dev 1.142
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

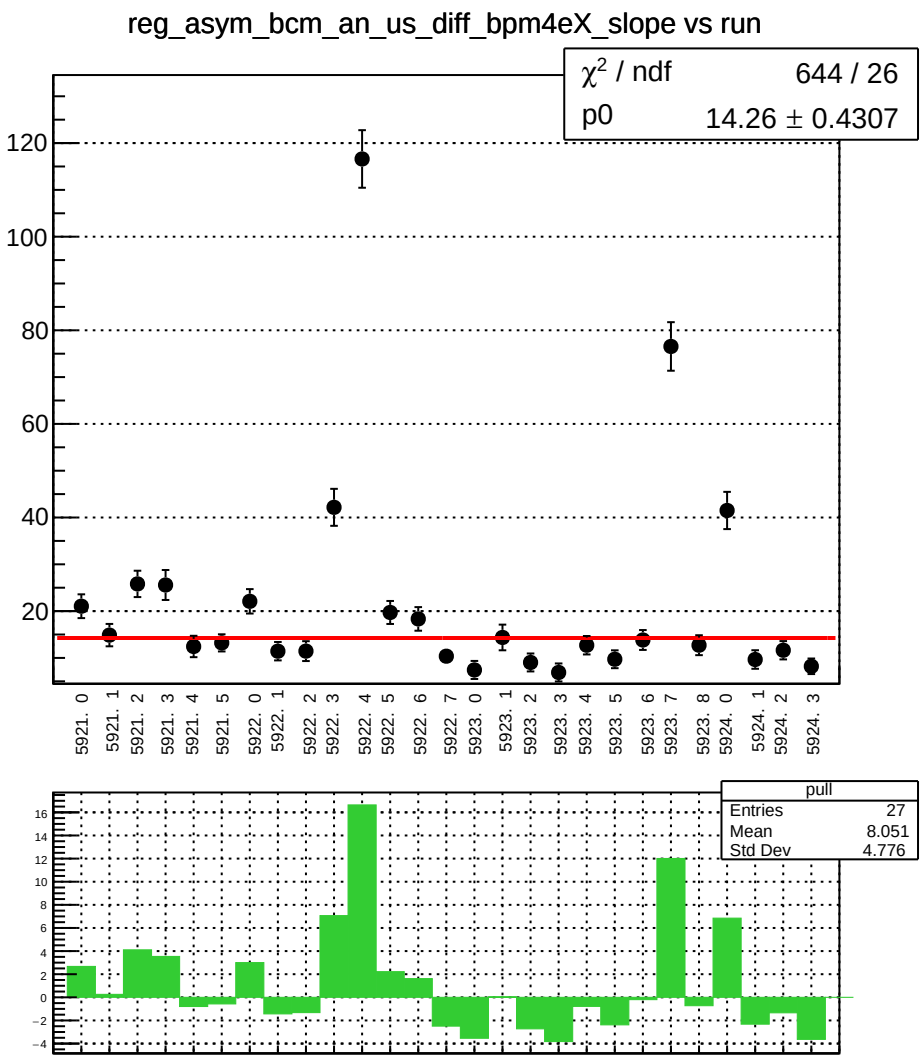

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 645.3 / 26
p0 14.25 ± 0.4314
120
100
80
60
40
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 8.01
Std Dev 4.714
15
10
5
0
−5
pull1D
Entries 27
Mean 0.1302
Std Dev 2.977
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

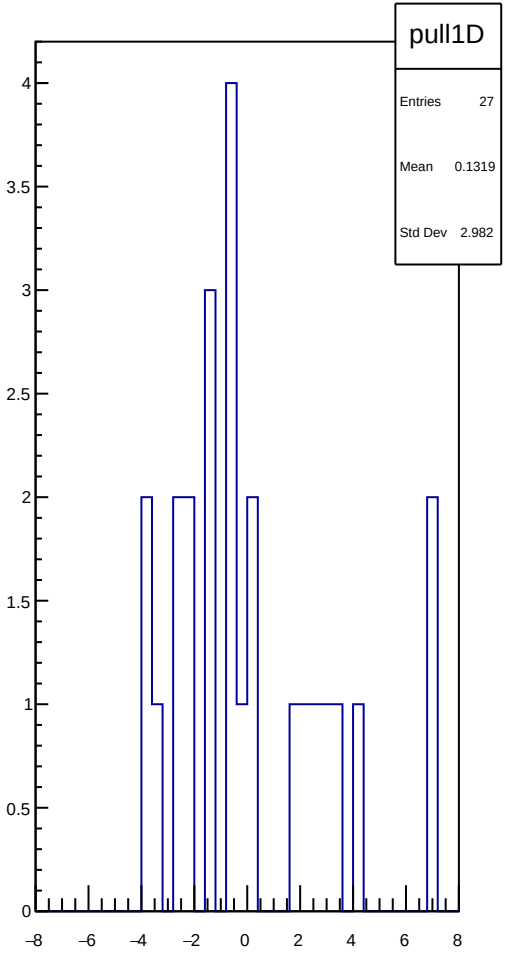

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 32.67 / 26
p0 4.687 ± 0.4947
pull
Entries 27
Mean 22.57
Std Dev 0
pull1D
Entries 27
Mean 0.1569
Std Dev 1.089

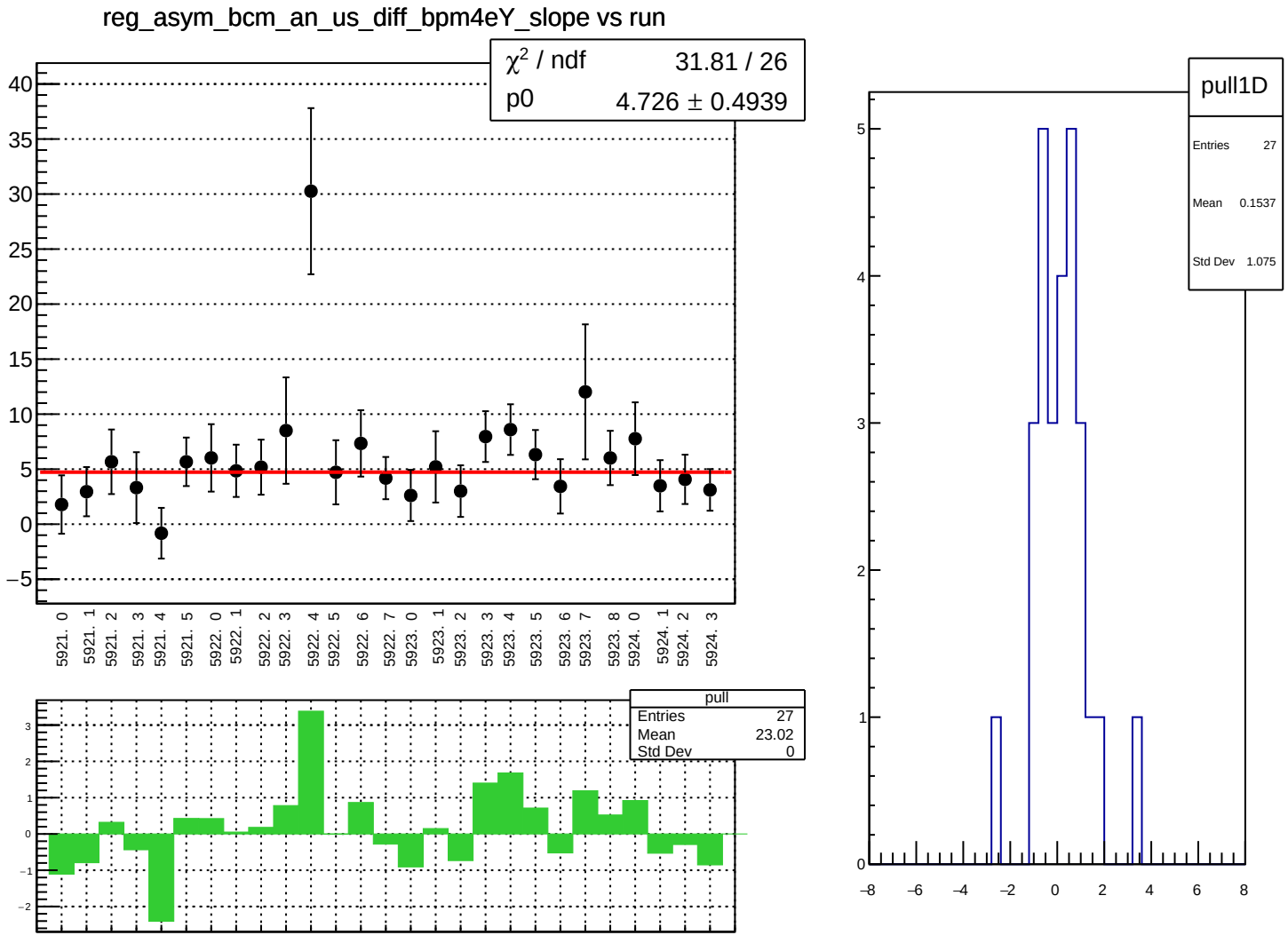

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 277.2 / 26
p0 −0.6827 ± 0.0332
0
−1
−2
−3
−4
−5
−6
−7
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 9.068
Std Dev 3.9
2
0
−2
−4
−6
−8
−10
pull1D
Entries 27
Mean −0.3853
Std Dev 2.39
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

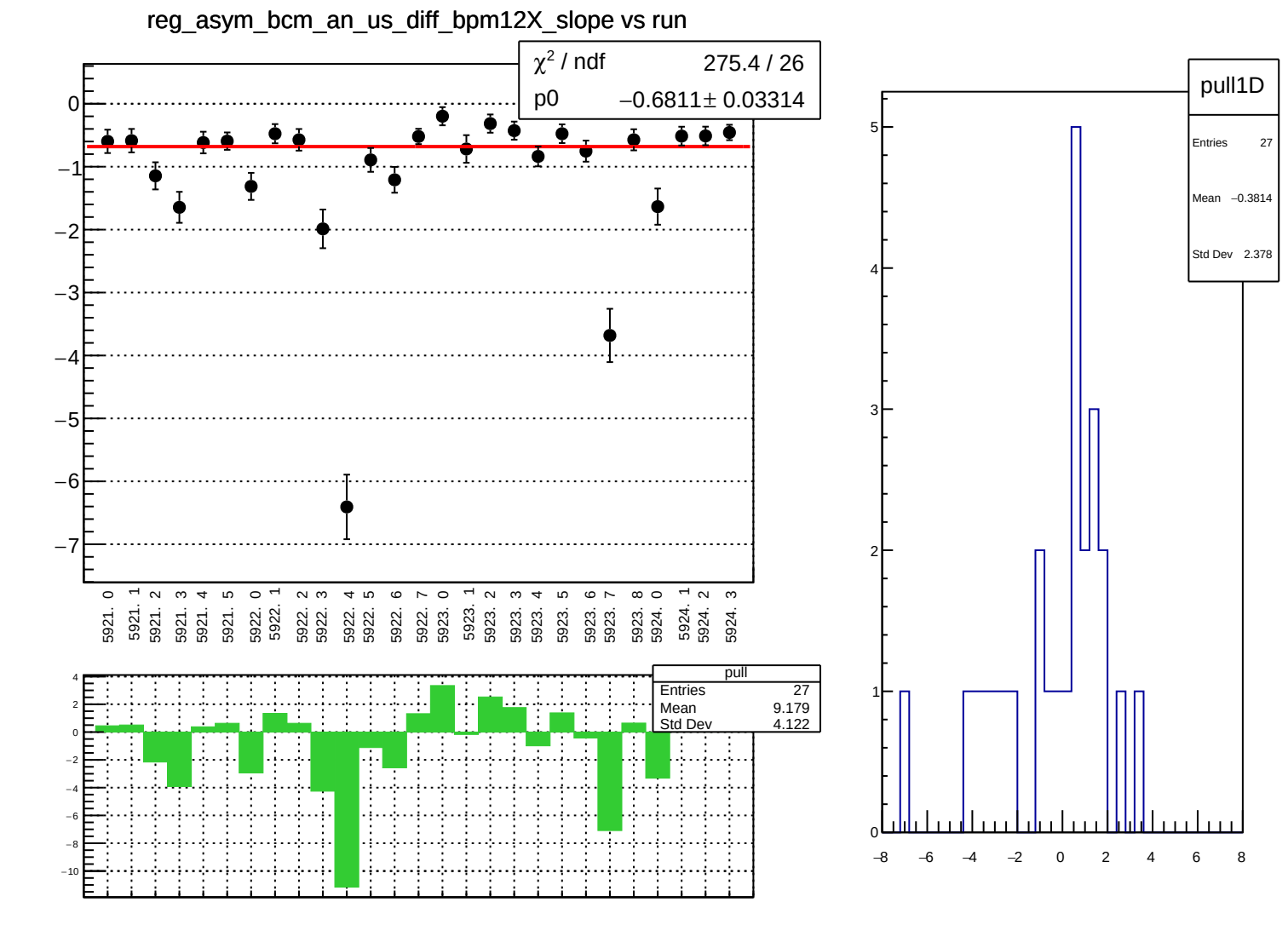

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 658.9 / 26
p0 −10.18 ± 0.3016
0
−20
−40
−60
−80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 8.265
Std Dev 4.937
4
2
0
−2
−4
−6
−8
−10
−12
−14
−16
pull1D
Entries 27
Mean −0.1552
Std Dev 3.047
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

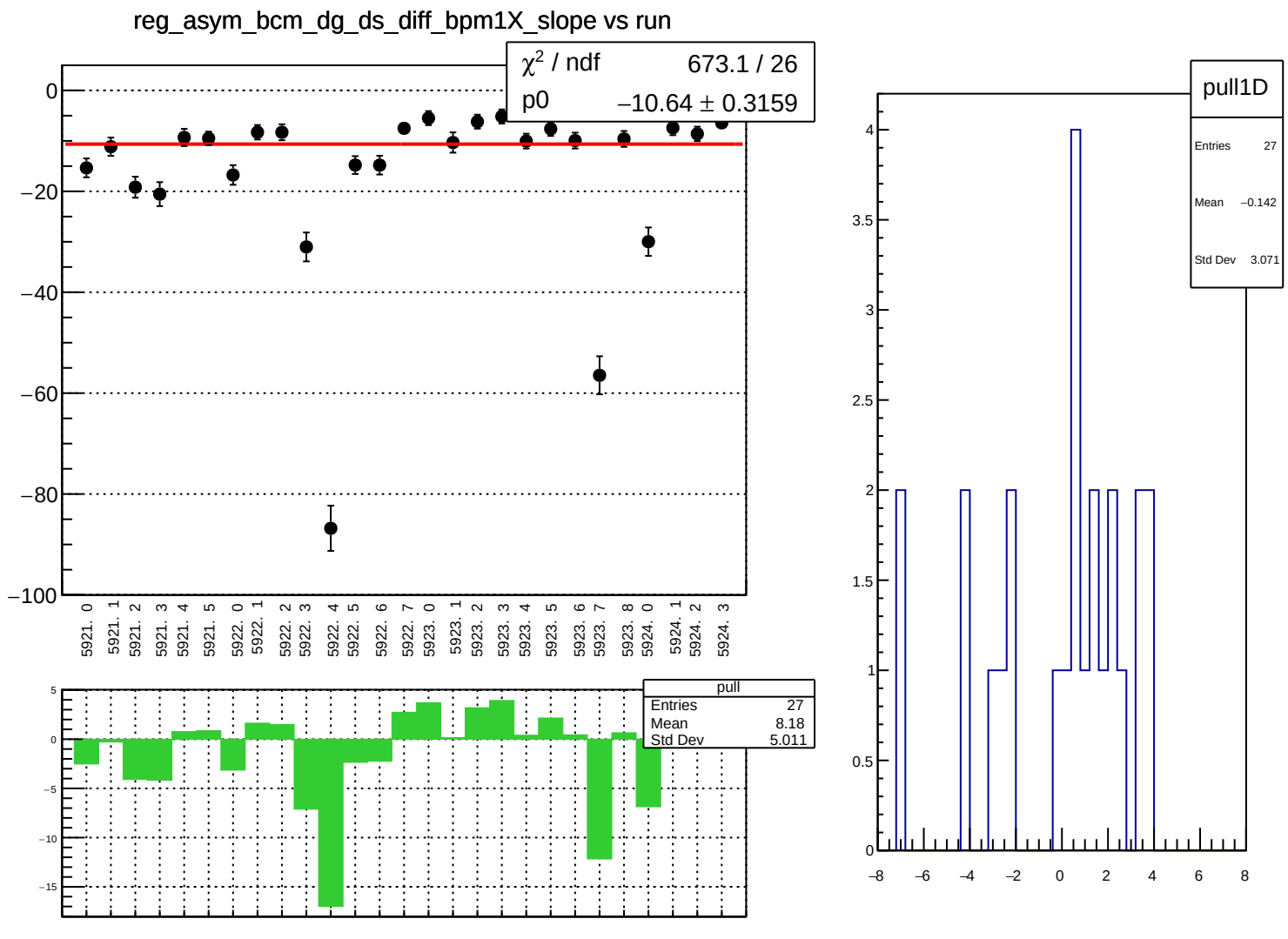

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 35.12 / 26
p0 −4.597 ± 0.4488
pull
Entries 27
Mean 20.23
Std Dev 0
pull1D
Entries 27
Mean −0.1724
Std Dev 1.127

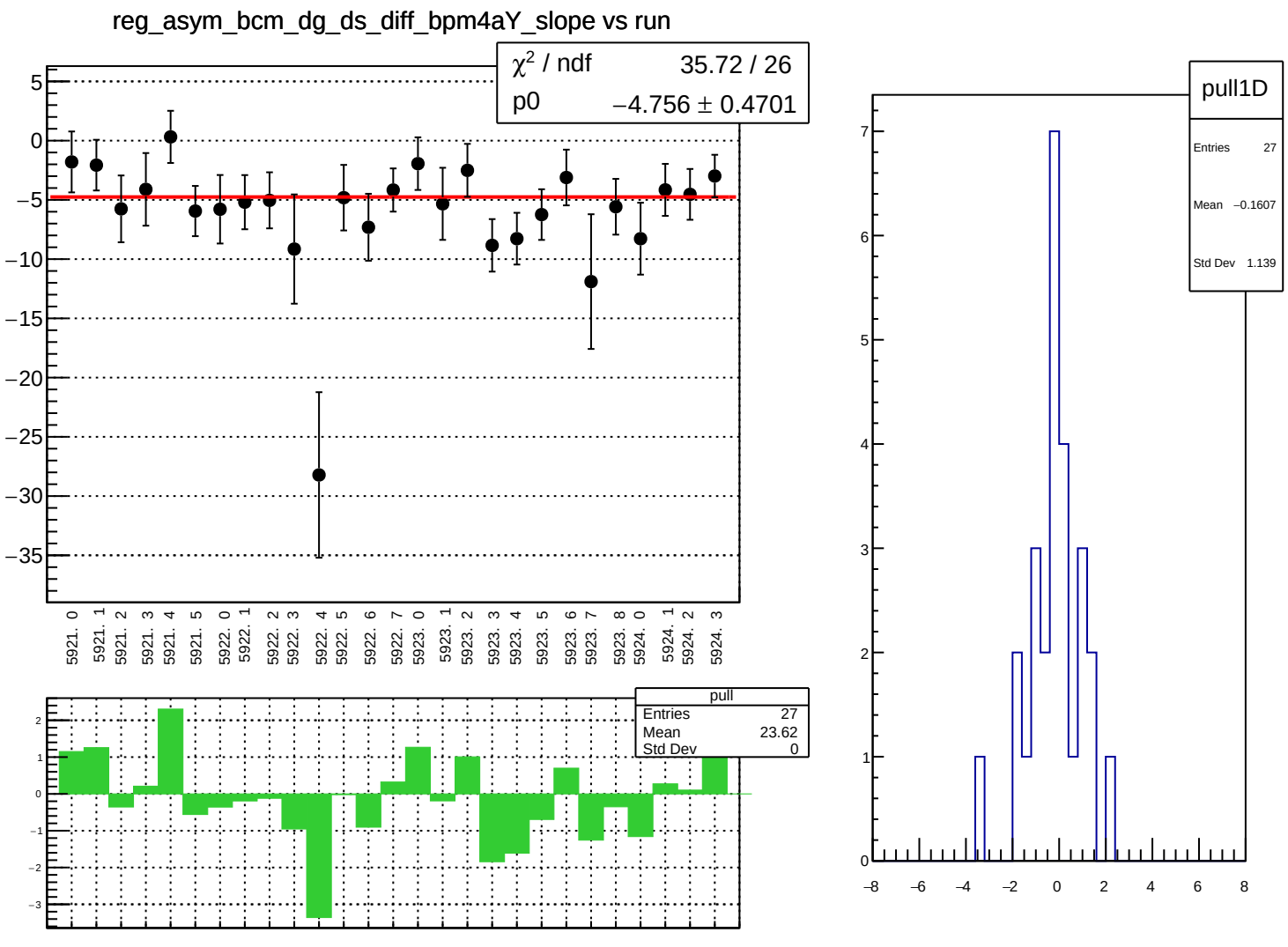

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 644 / 26
p0 14.26 ± 0.4307
120
100
80
60
40
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 8.051
Std Dev 4.776
16
14
12
10
8
6
4
2
0
−2
−4

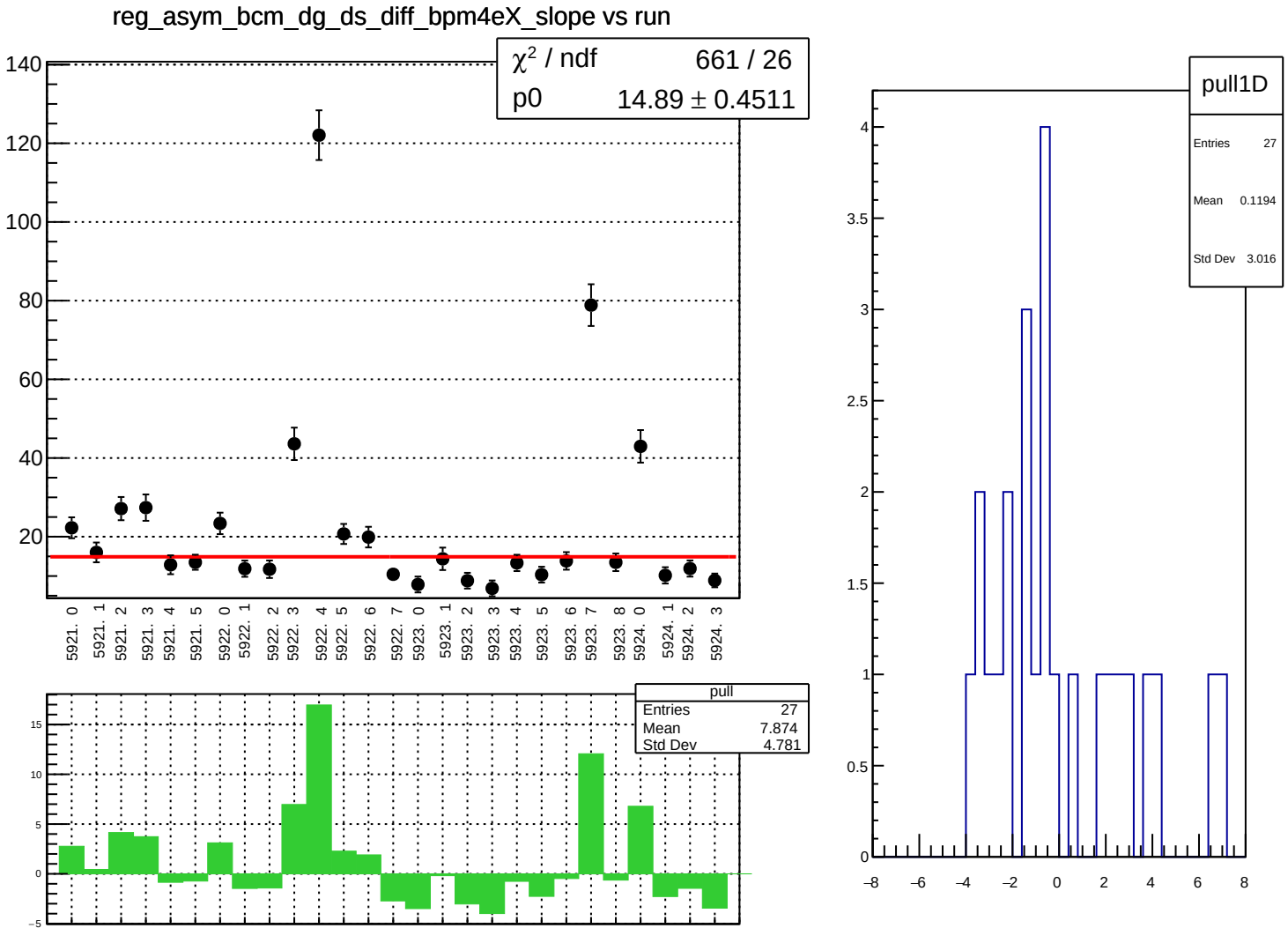

pull1D
Entries 27
Mean 0.1319
Std Dev 2.982
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

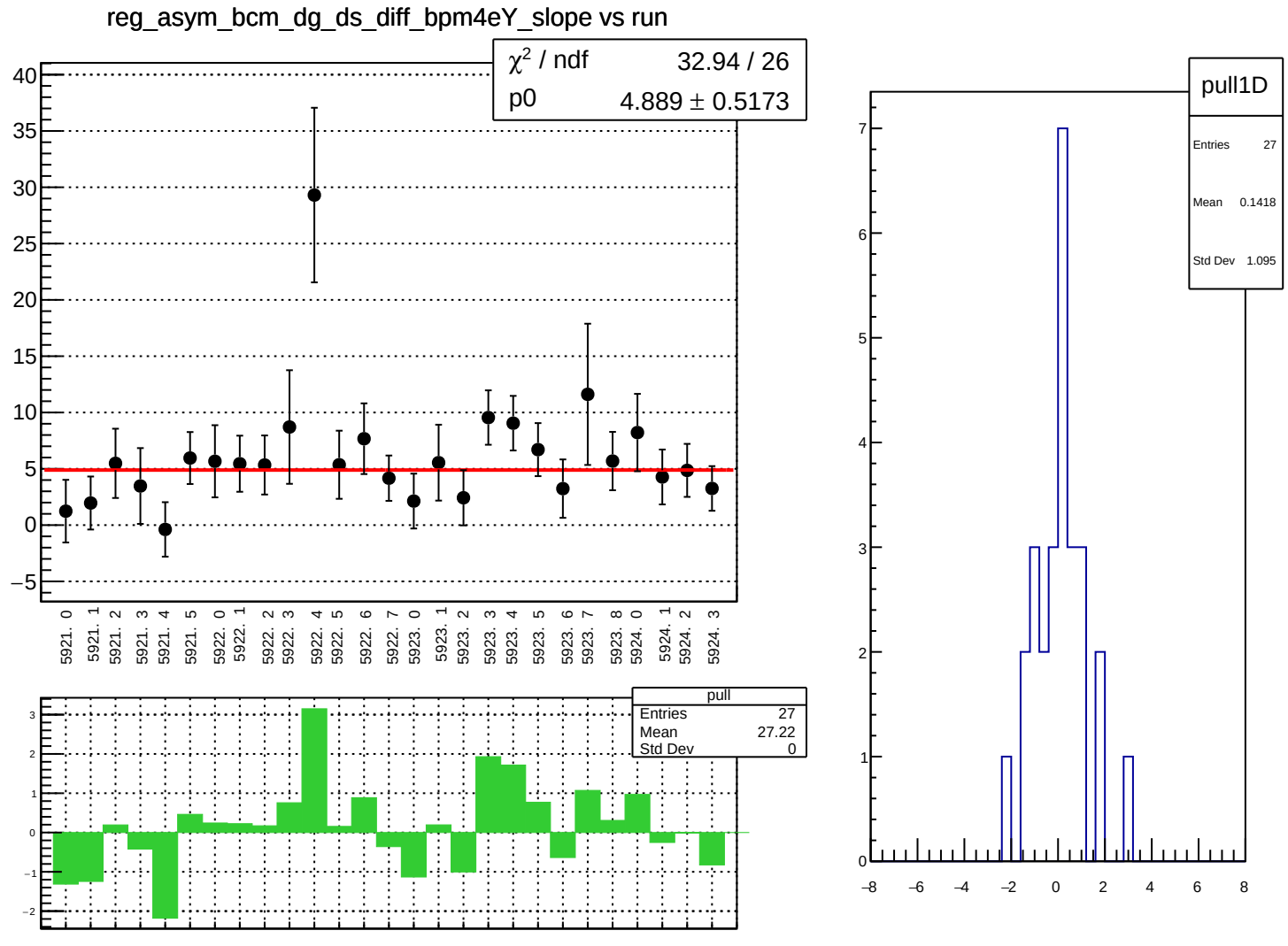

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 31.81 / 26
p0 4.726 ± 0.4939
pull
Entries 27
Mean 23.02
Std Dev 0
pull1D
Entries 27
Mean 0.1537
Std Dev 1.075

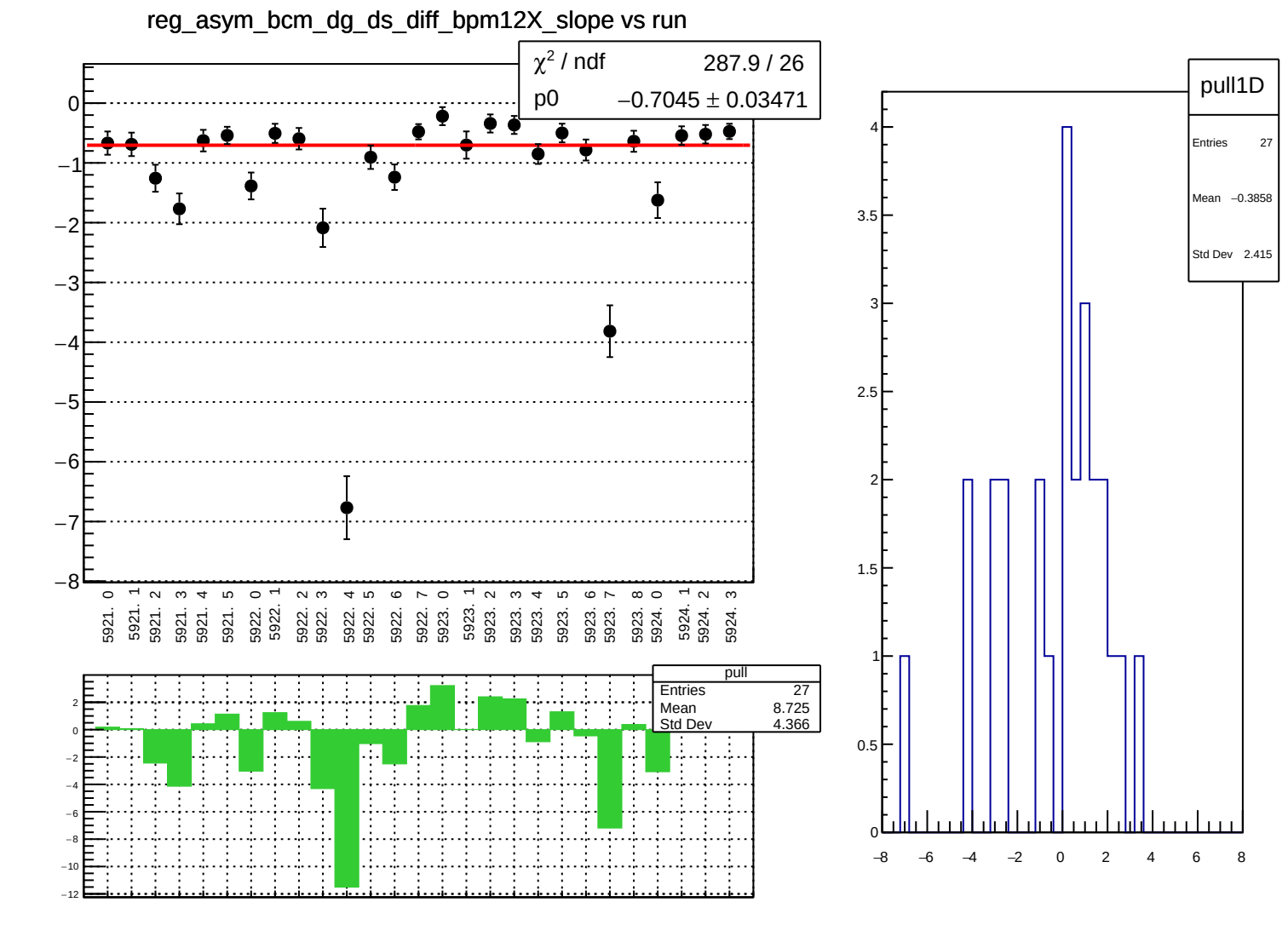

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 275.4 / 26
p0 −0.6811 ± 0.03314
0
−1
−2
−3
−4
−5
−6
−7
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 9.179
Std Dev 4.122
4
2
0
−2
−4
−6
−8
−10
pull1D
Entries 27
Mean −0.3814
Std Dev 2.378
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

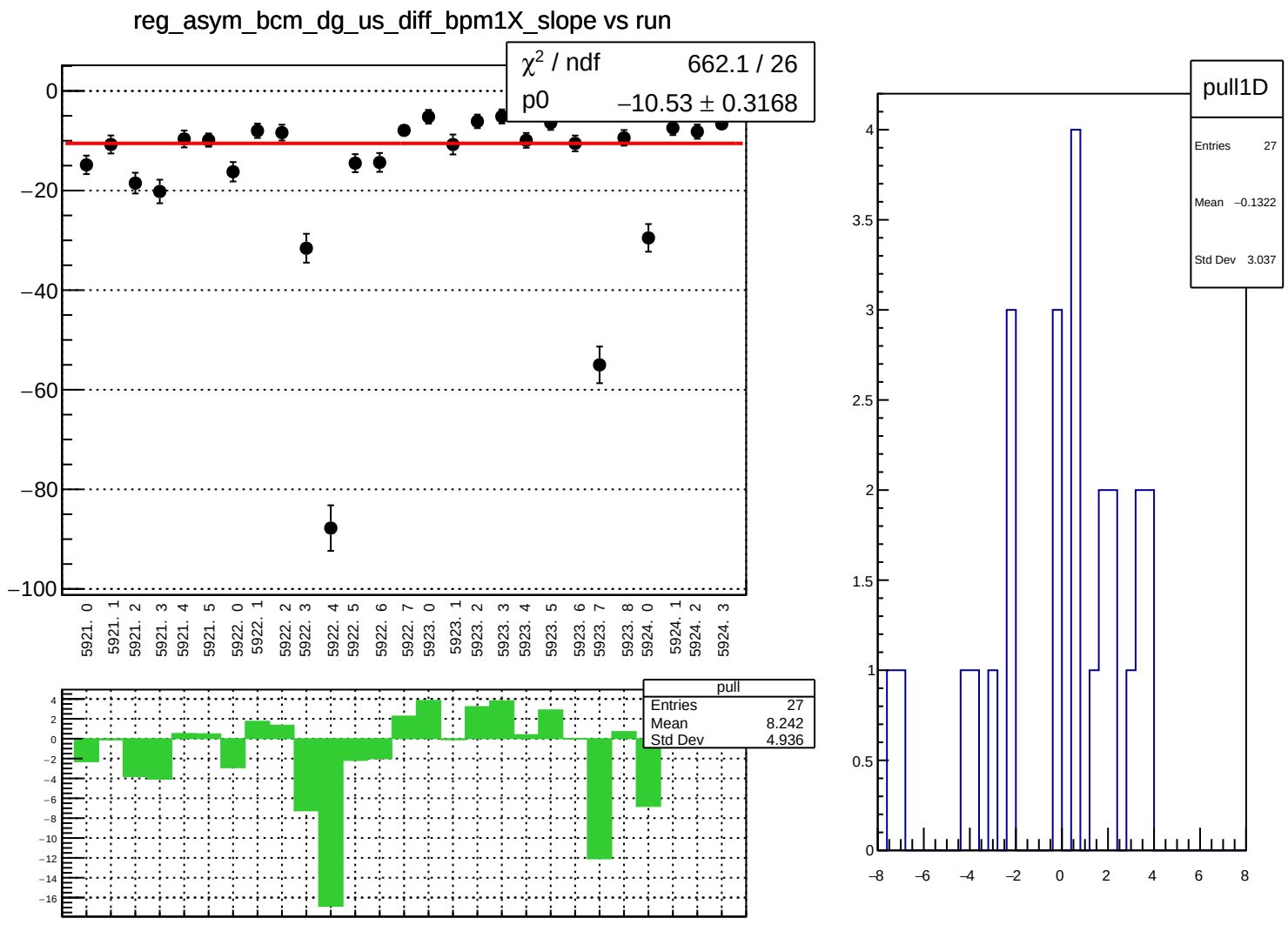

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 673.1 / 26
p0 −10.64 ± 0.3159
0
−20
−40
−60
−80
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 8.18
Std Dev 5.011
5
0
−5
−10
−15
pull1D
Entries 27
Mean −0.142
Std Dev 3.071
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

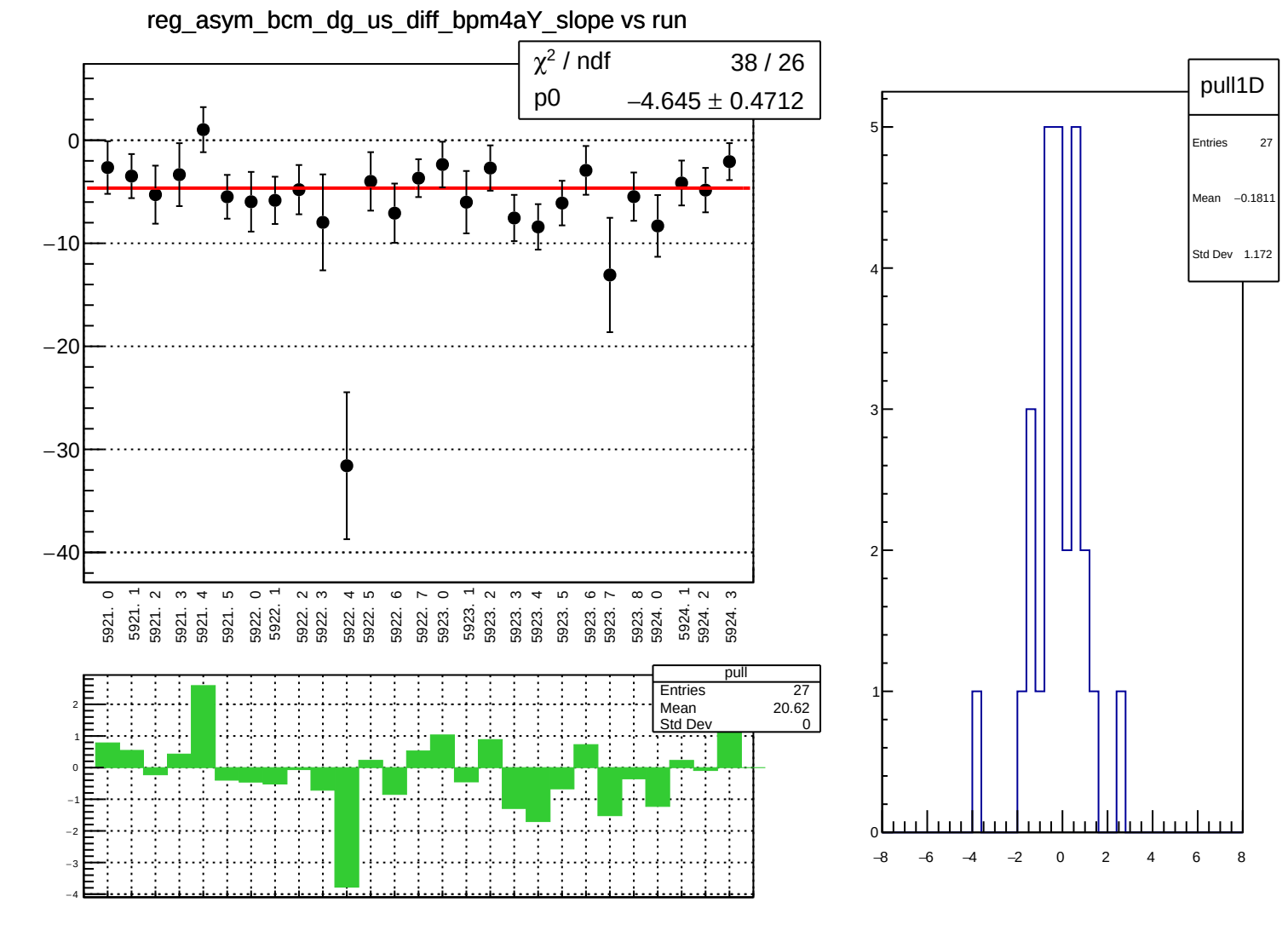

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 35.72 / 26
p0 −4.756 ± 0.4701
5
0
−5
−10
−15
−20
−25
−30
−35
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 23.62
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 27
Mean −0.1607
Std Dev 1.139
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

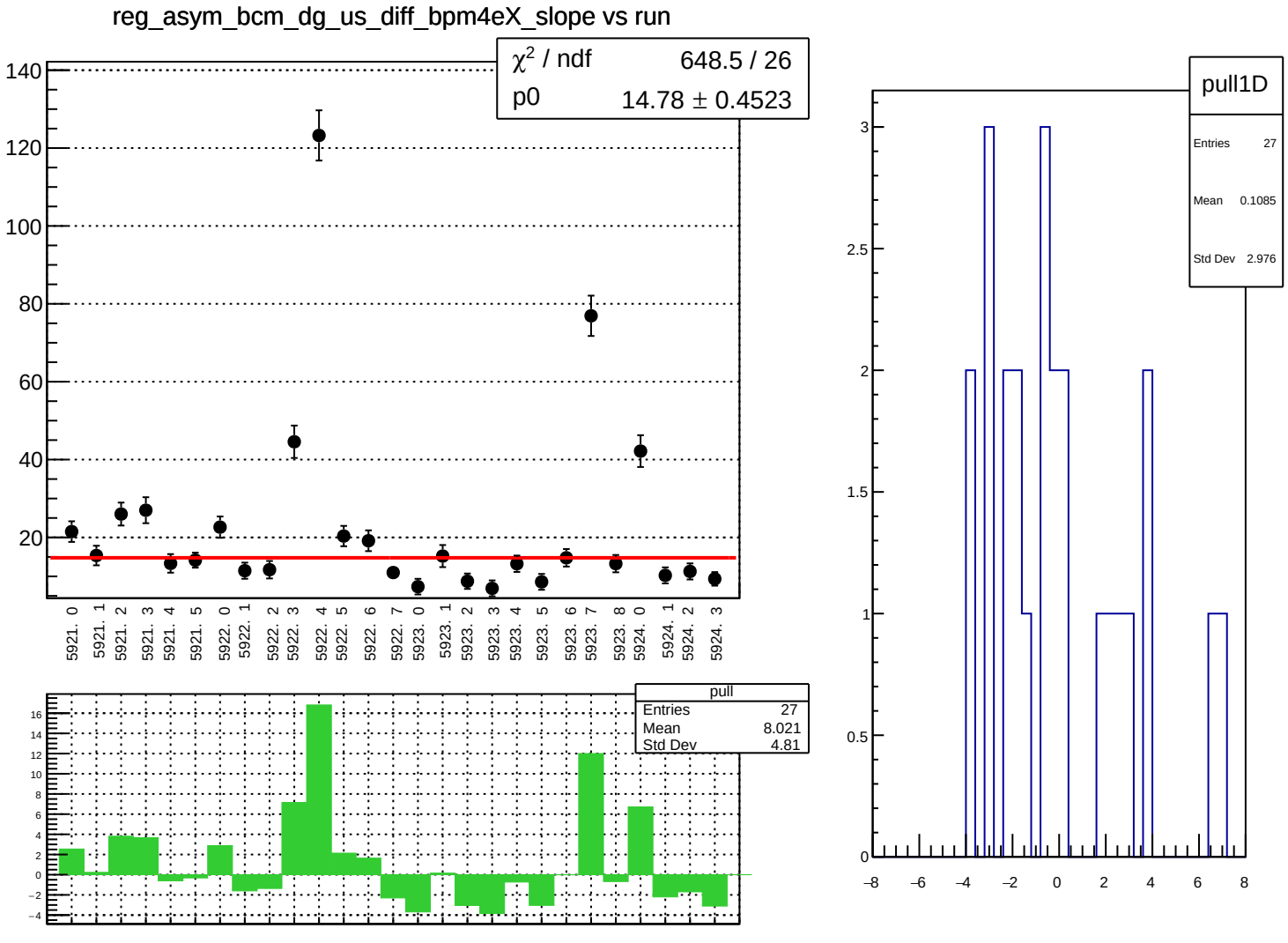

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 661 / 26
p0 14.89 ± 0.4511
pull
Entries 27
Mean 7.874
Std Dev 4.781
pull1D
Entries 27
Mean 0.1194
Std Dev 3.016

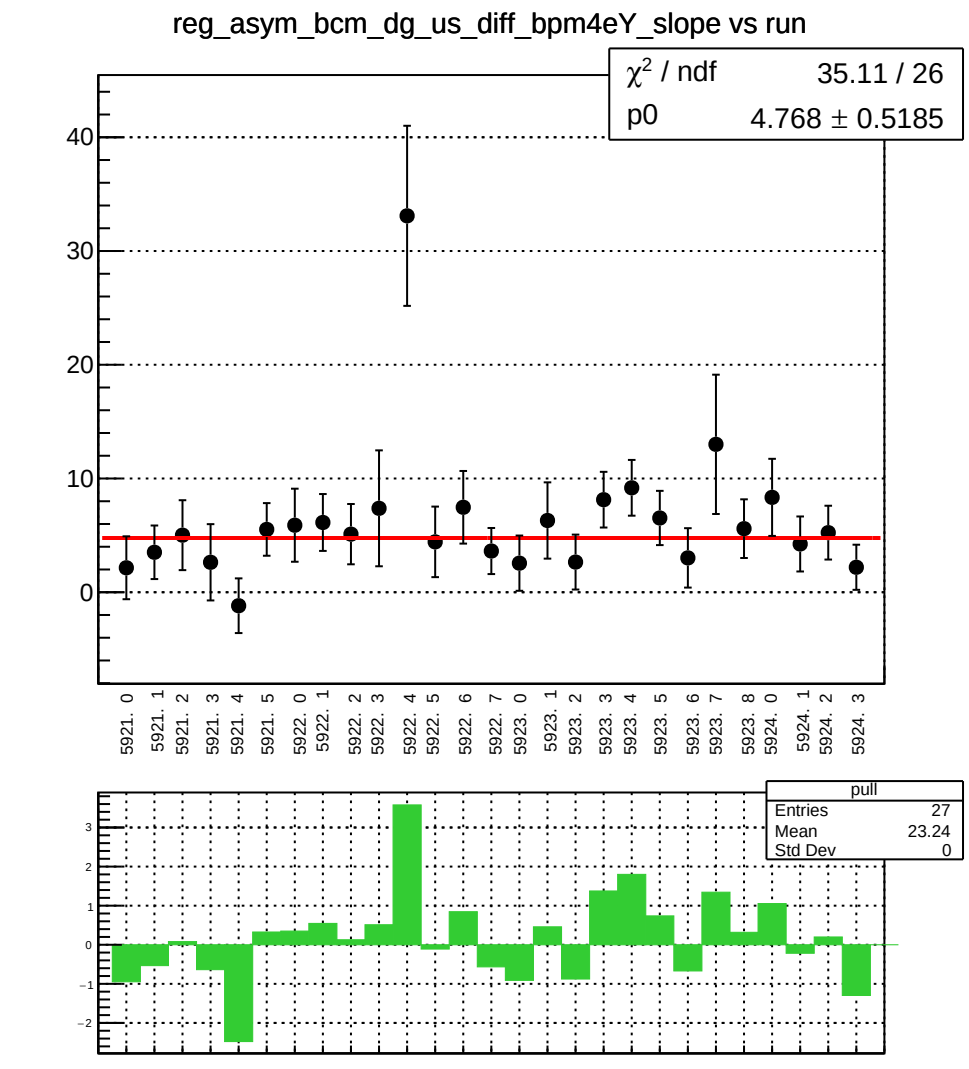

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 32.94 / 26
p0 4.889 ± 0.5173
pull
Entries 27
Mean 27.22
Std Dev 0
pull1D
Entries 27
Mean 0.1418
Std Dev 1.095

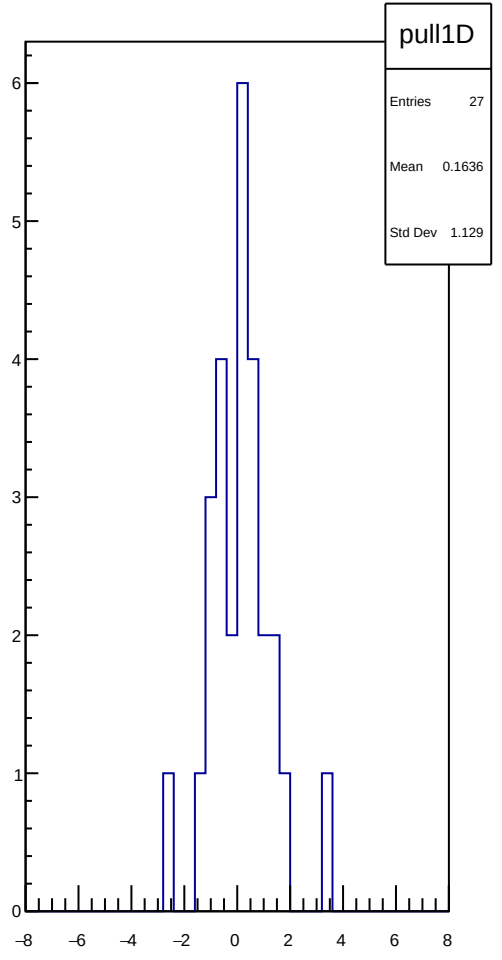

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 287.9 / 26
p0 −0.7045 ± 0.03471
pull
Entries 27
Mean 8.725
Std Dev 4.366
pull1D
Entries 27
Mean −0.3858
Std Dev 2.415

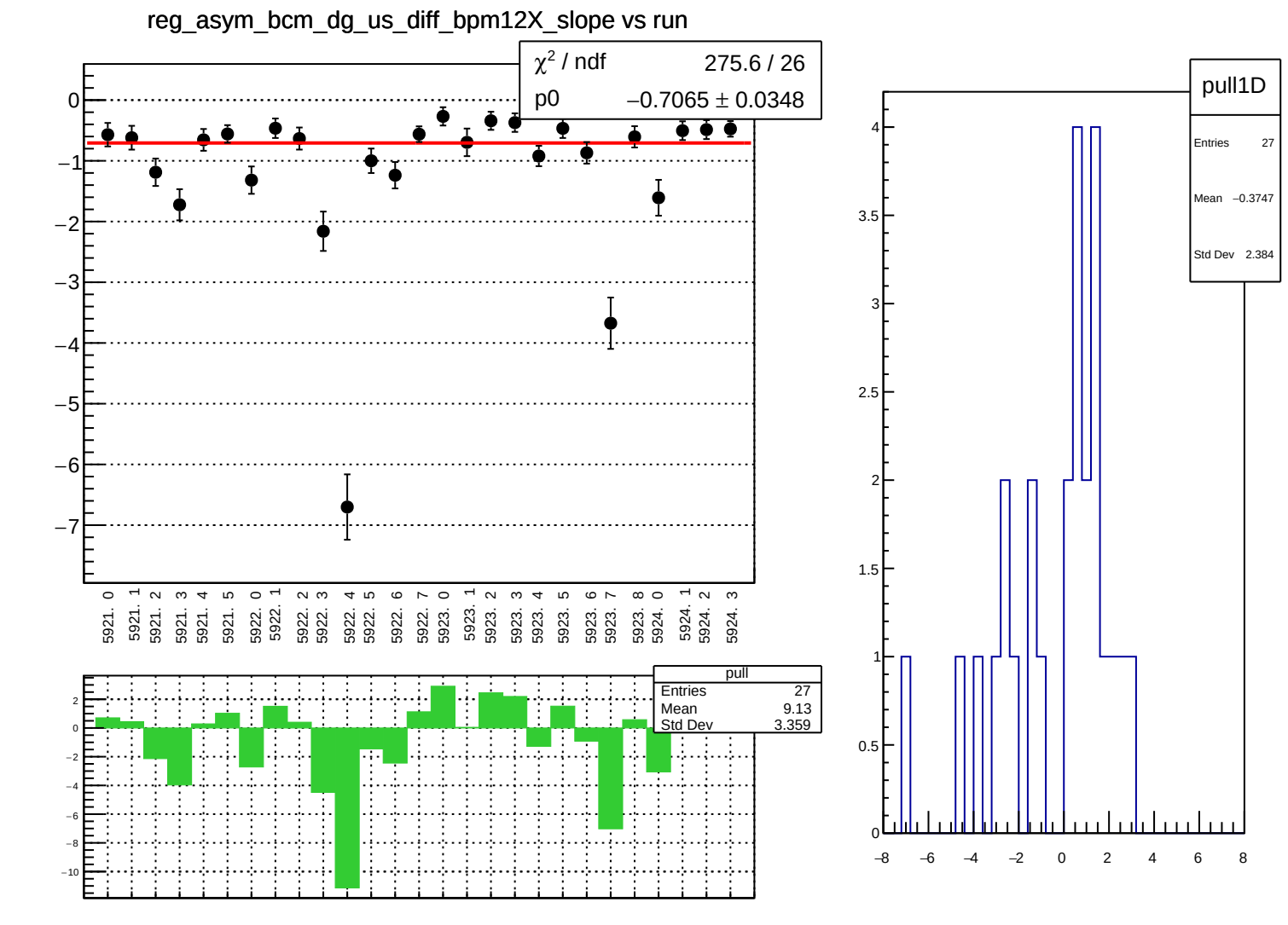

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 662.1 / 26
p0 −10.53 ± 0.3168
0
−20
−40
−60
−80
−100
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 8.242
Std Dev 4.936
4
2
0
−2
−4
−6
−8
−10
−12
−14
−16
pull1D
Entries 27
Mean −0.1322
Std Dev 3.037
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

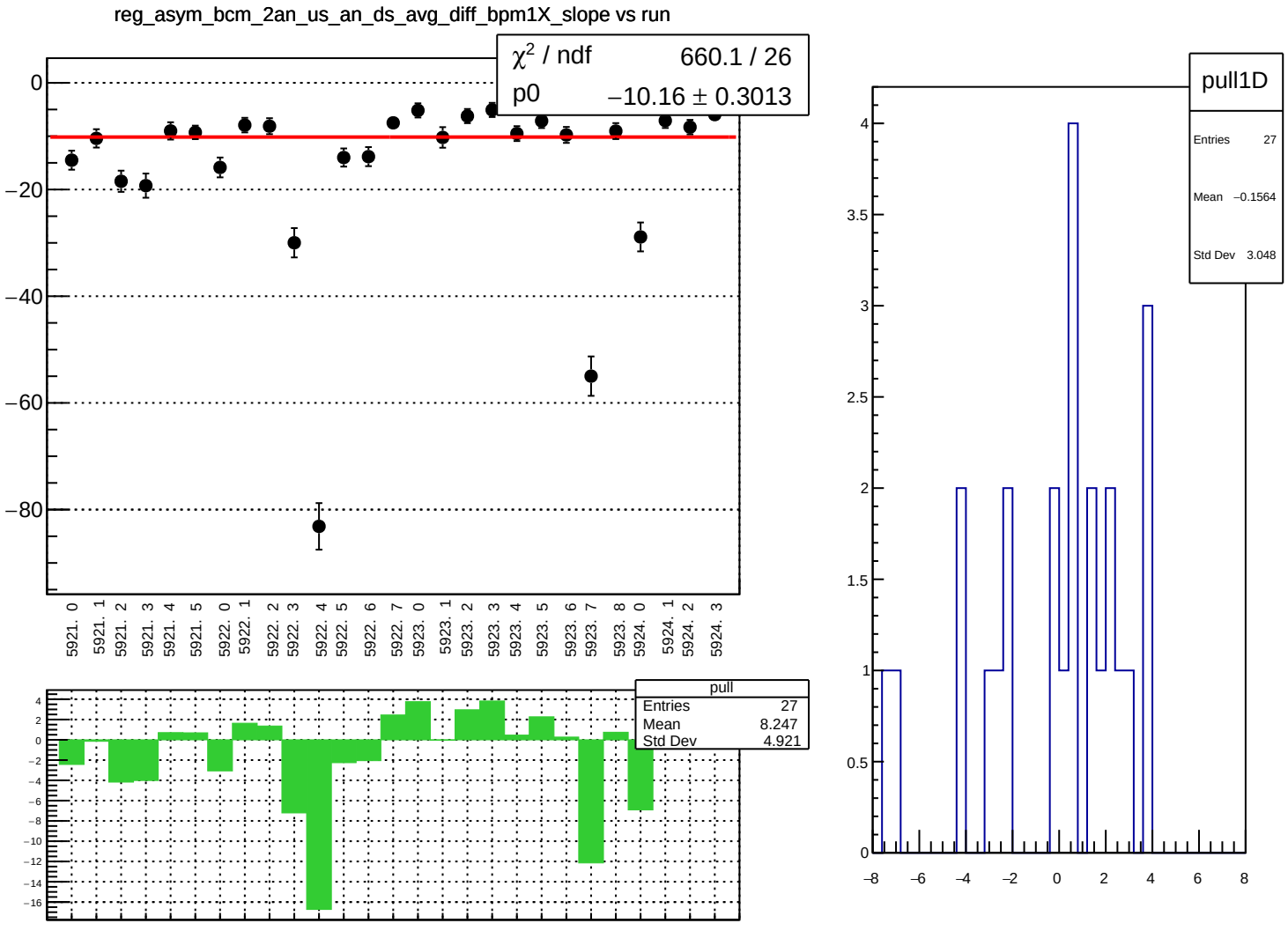

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 38 / 26
p0 −4.645 ± 0.4712
0
−10
−20
−30
−40
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 20.62
Std Dev 0
2
1
0
−1
−2
−3
−4
pull1D
Entries 27
Mean −0.1811
Std Dev 1.172
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

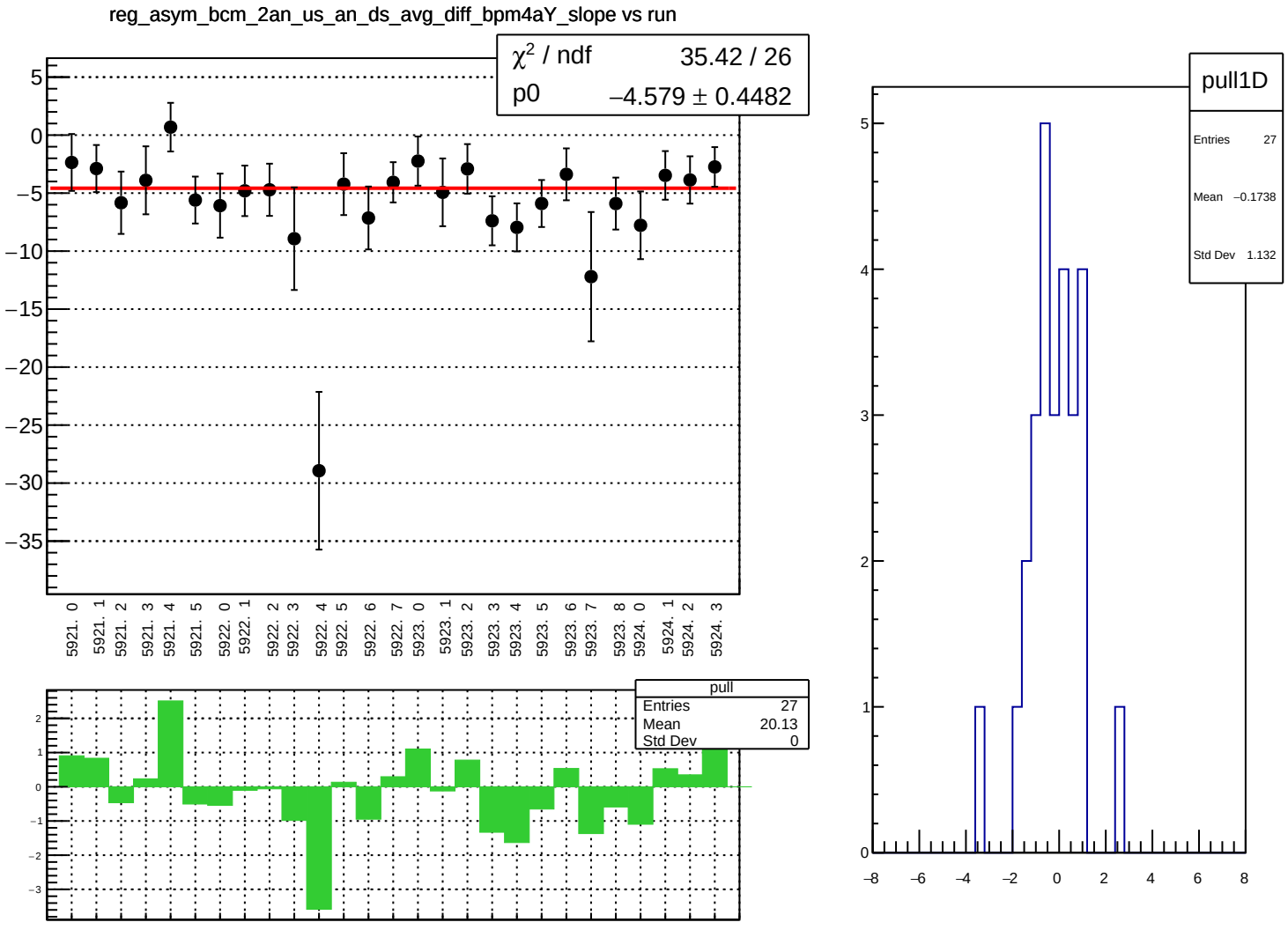

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 648.5 / 26
p0 14.78 ± 0.4523
pull
Entries 27
Mean 8.021
Std Dev 4.81
pull1D
Entries 27
Mean 0.1085
Std Dev 2.976

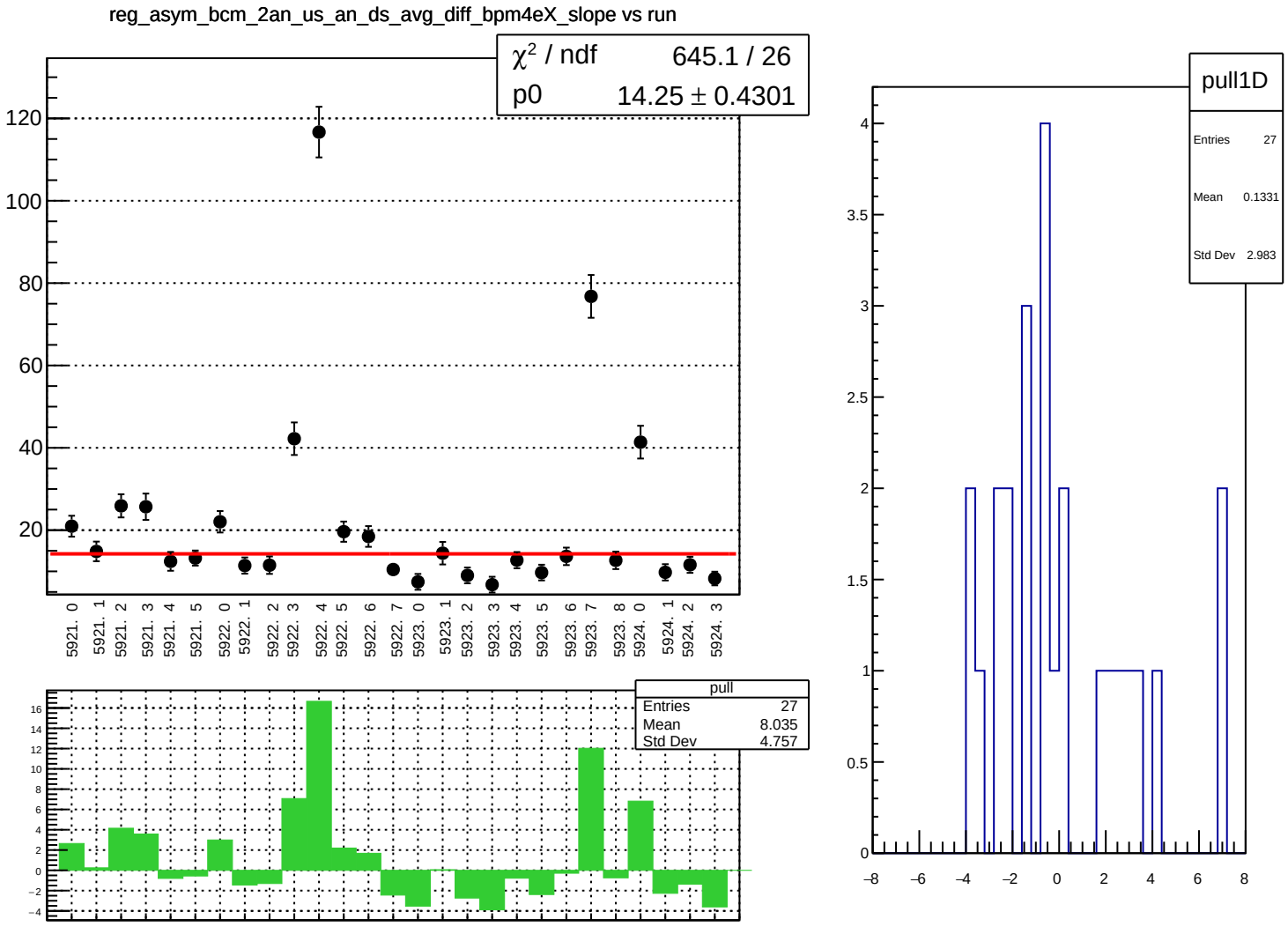

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 35.11 / 26
p0 4.768 ± 0.5185
40
30
20
10
0
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 23.24
Std Dev 0
3
2
1
0
−1
−2

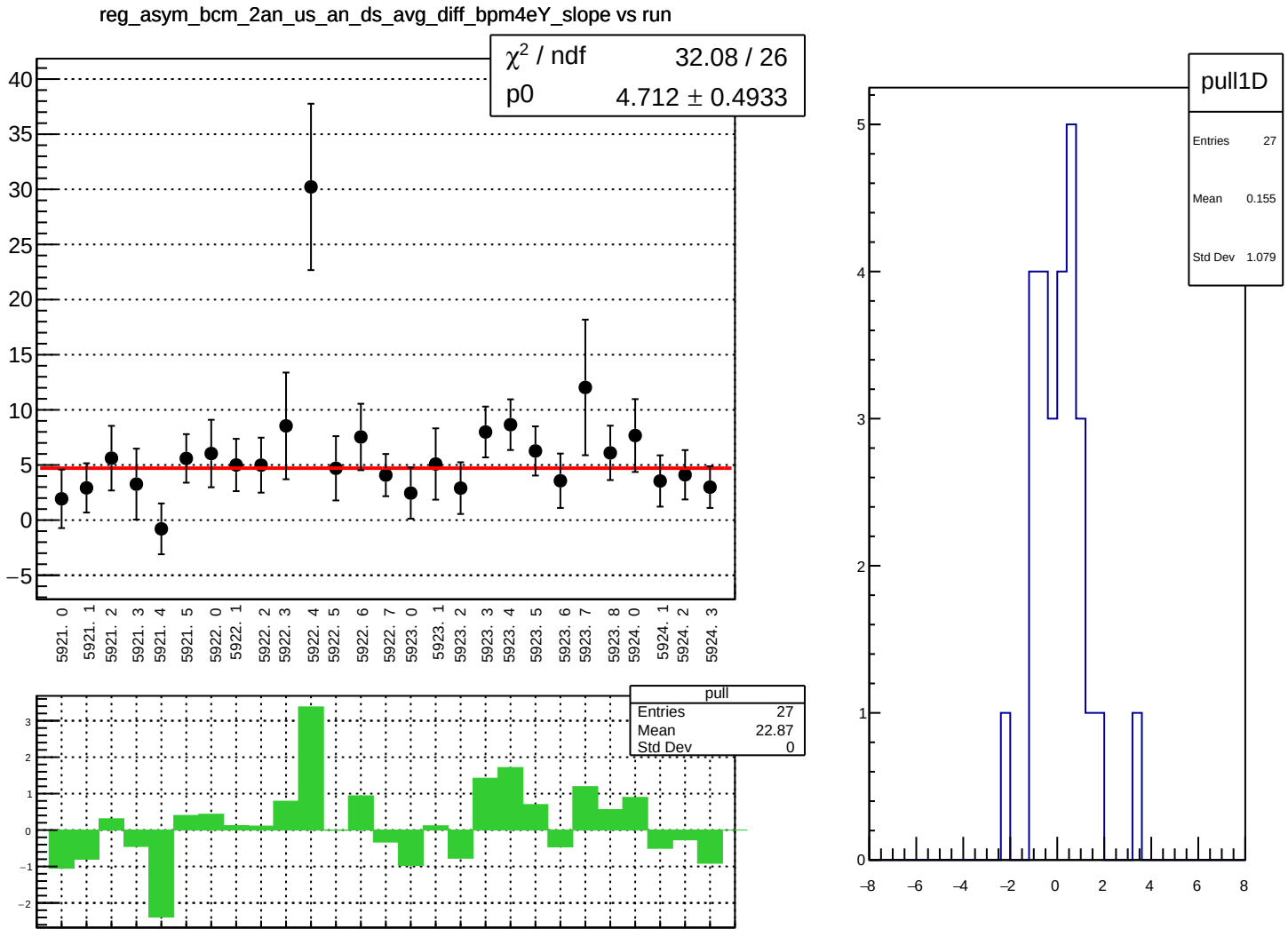

pull1D
Entries 27
Mean 0.1636
Std Dev 1.129
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

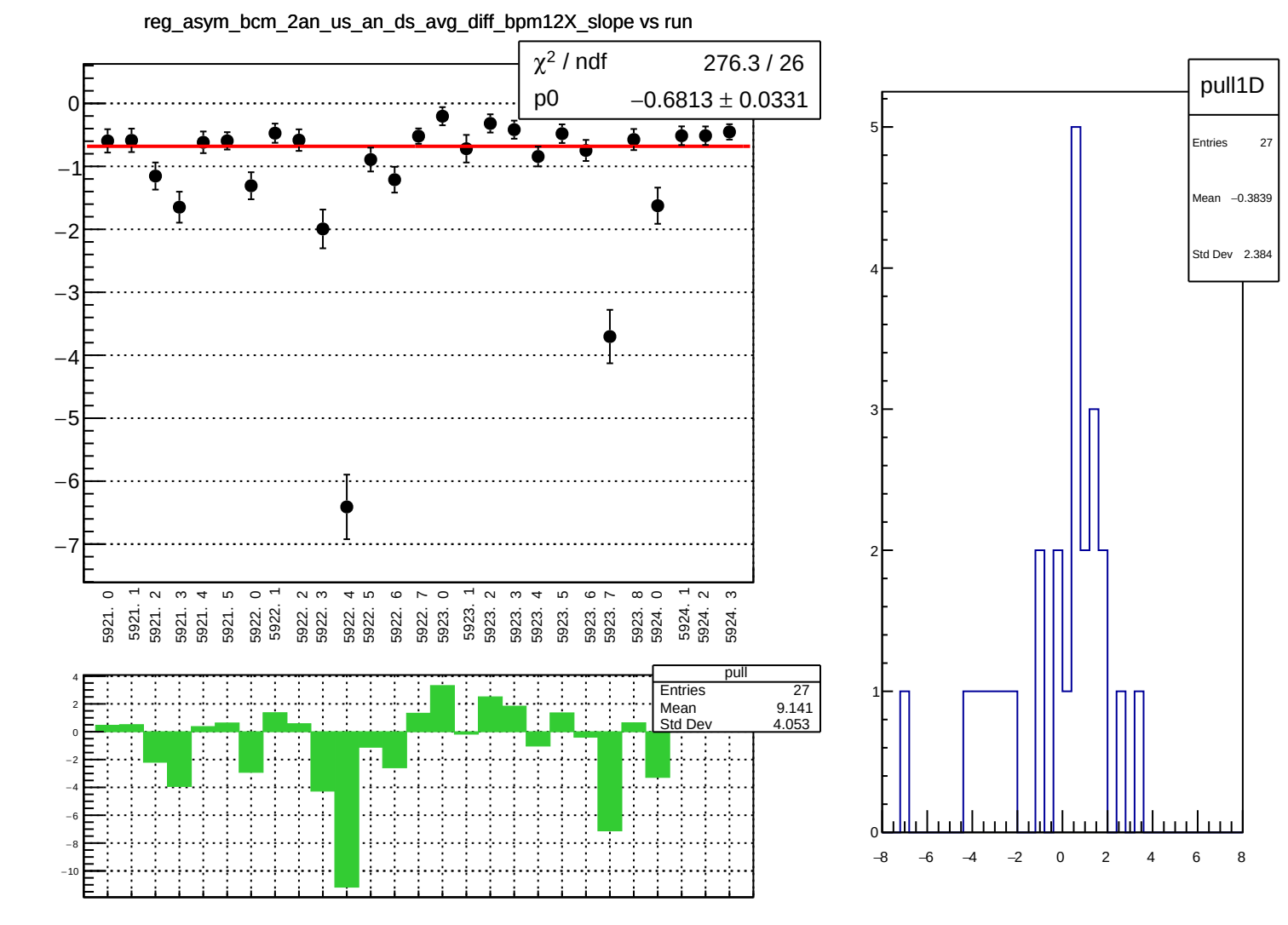

reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 275.6 / 26
p0 −0.7065 ± 0.0348
0
−1
−2
−3
−4
−5
−6
−7
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 9.13
Std Dev 3.359
2
0
−2
−4
−6
−8
−10
pull1D
Entries 27
Mean −0.3747
Std Dev 2.384
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

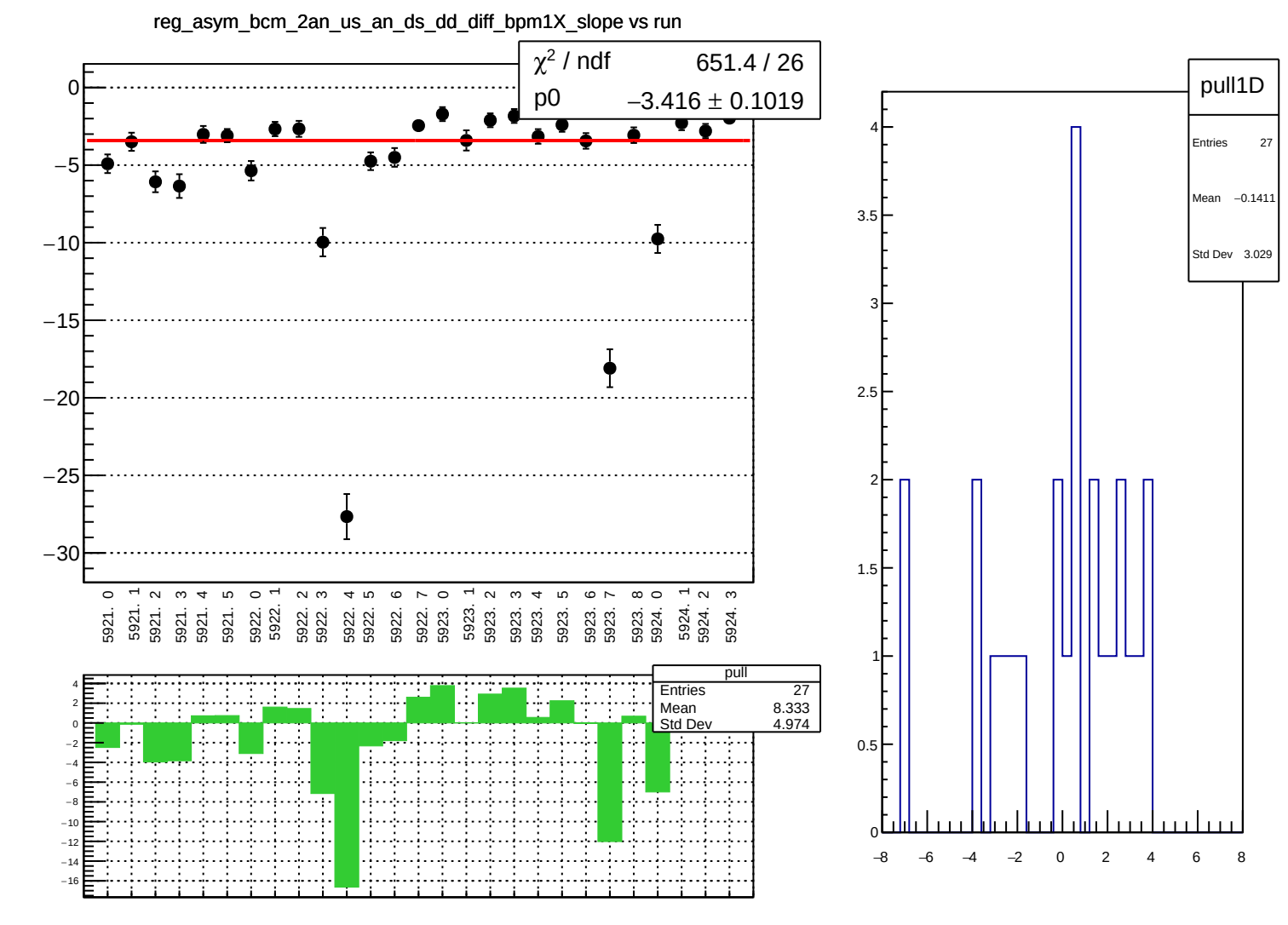

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 660.1 / 26
p0 −10.16 ± 0.3013
0
−20
−40
−60
−80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 8.247
Std Dev 4.921
4
2
0
−2
−4
−6
−8
−10
−12
−14
−16
pull1D
Entries 27
Mean −0.1564
Std Dev 3.048
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

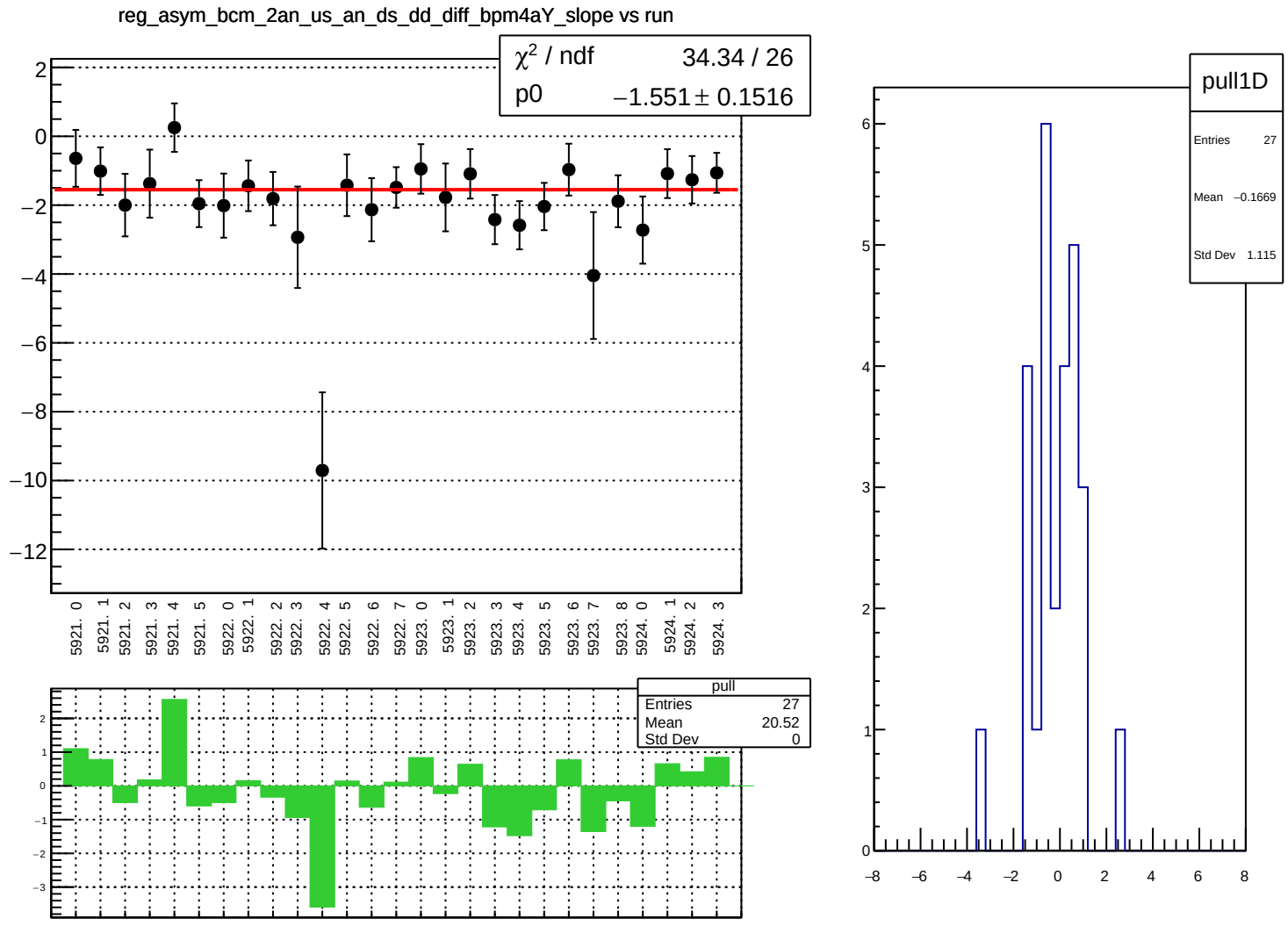

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 35.42 / 26
p0 −4.579 ± 0.4482
5
0
−5
−10
−15
−20
−25
−30
−35
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 20.13
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 27
Mean −0.1738
Std Dev 1.132
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

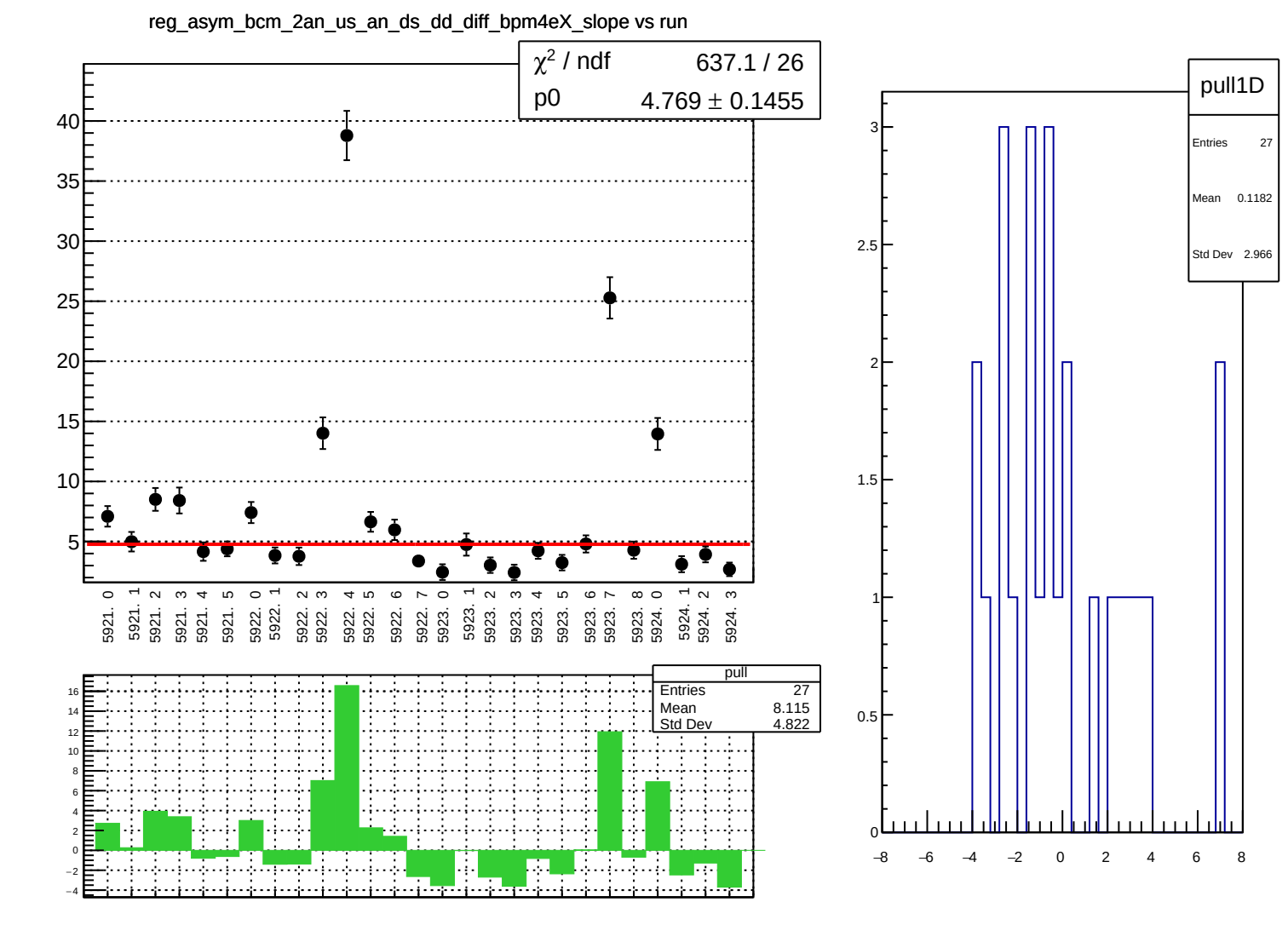

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 645.1 / 26
p0 14.25 ± 0.4301
120
100
80
60
40
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 8.035
Std Dev 4.757
16
14
12
10
8
6
4
2
0
−2
−4
pull1D
Entries 27
Mean 0.1331
Std Dev 2.983
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

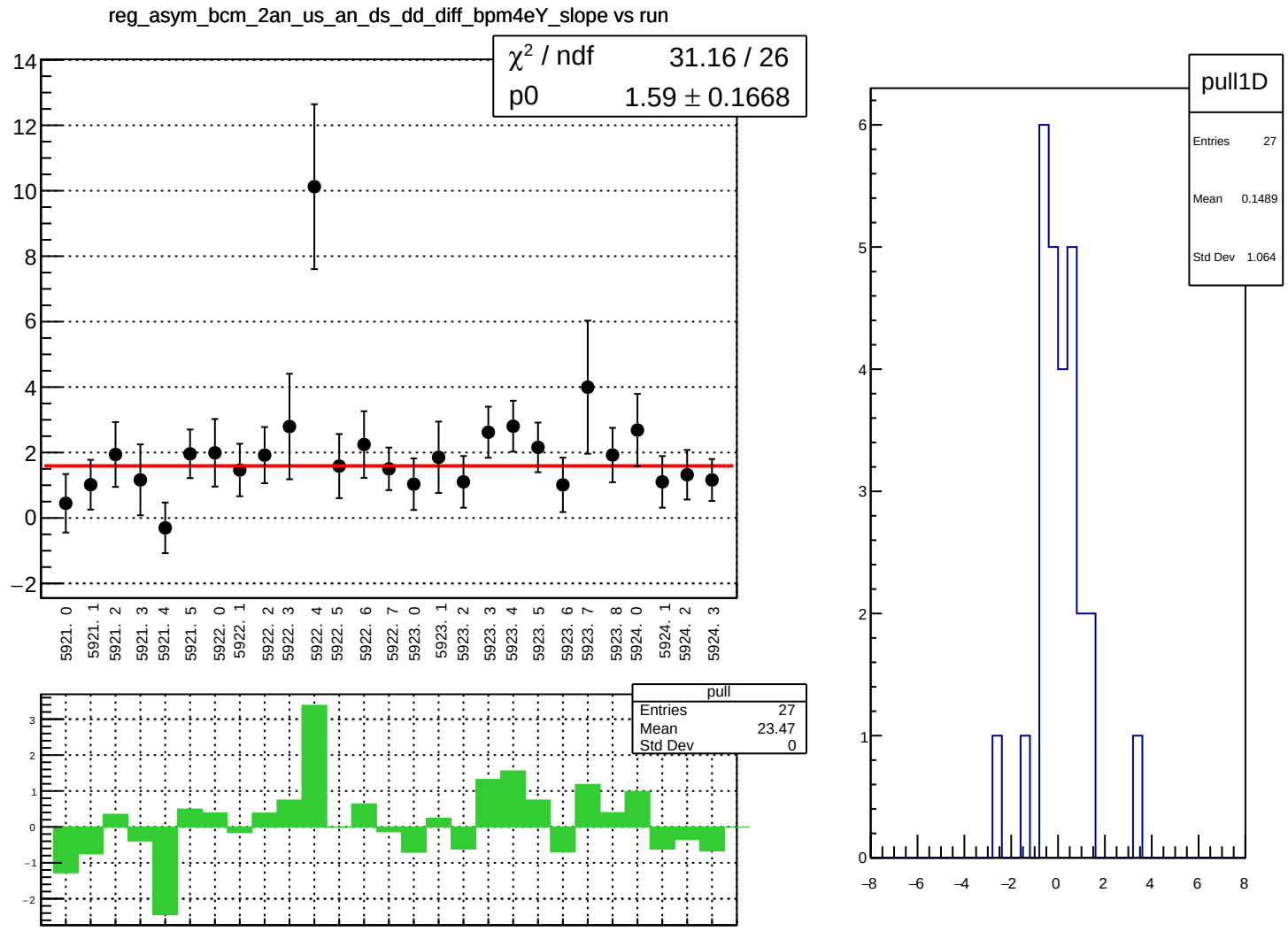

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 32.08 / 26
p0 4.712 ± 0.4933
pull
Entries 27
Mean 22.87
Std Dev 0
pull1D
Entries 27
Mean 0.155
Std Dev 1.079

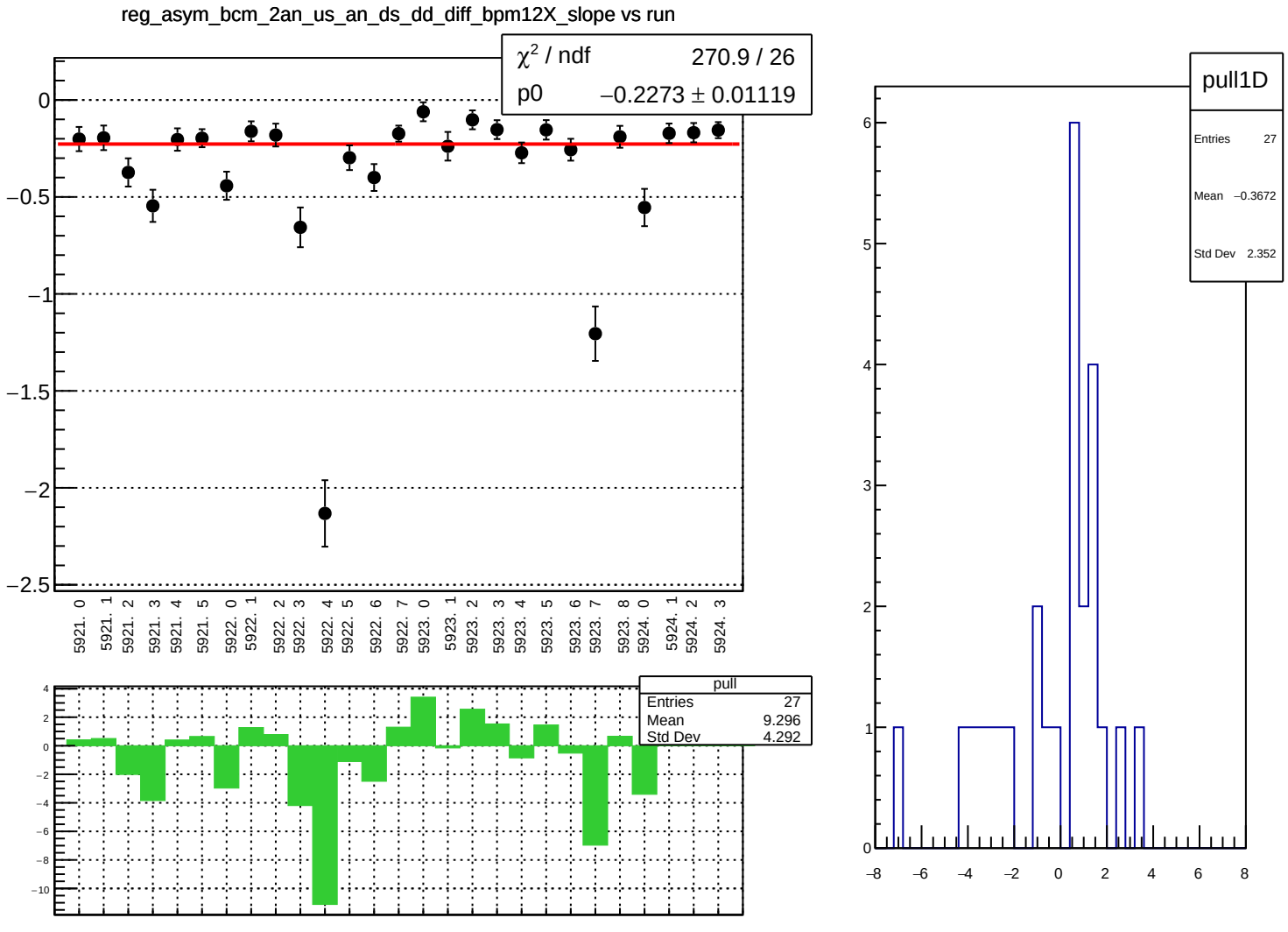

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 276.3 / 26
p0 −0.6813 ± 0.0331
0
−1
−2
−3
−4
−5
−6
−7
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 9.141
Std Dev 4.053
4
2
0
−2
−4
−6
−8
−10
pull1D
Entries 27
Mean −0.3839
Std Dev 2.384
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

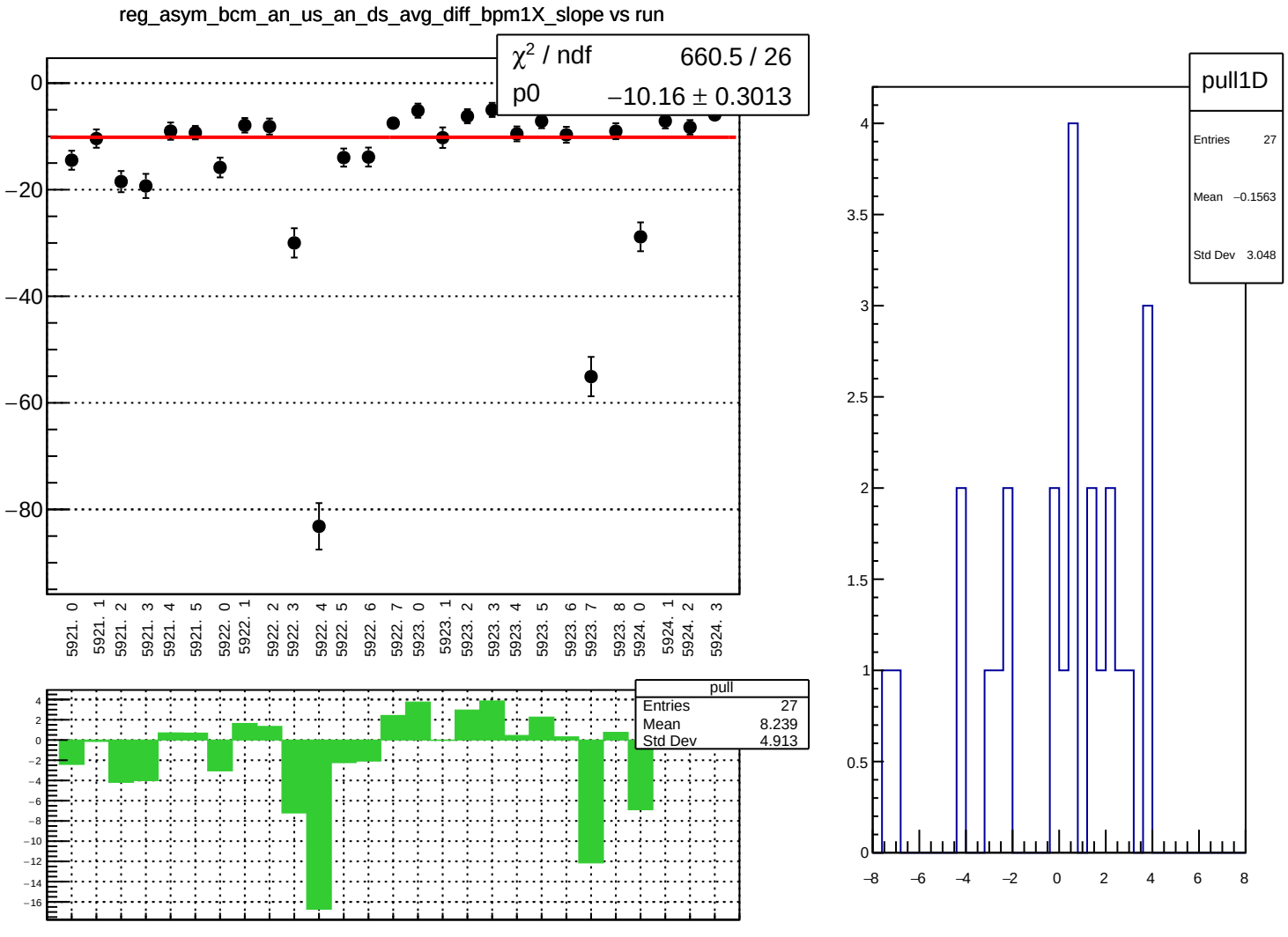

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 651.4 / 26
p0 −3.416 ± 0.1019
0
−5
−10
−15
−20
−25
−30
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 8.333
Std Dev 4.974
pull1D
Entries 27
Mean −0.1411
Std Dev 3.029

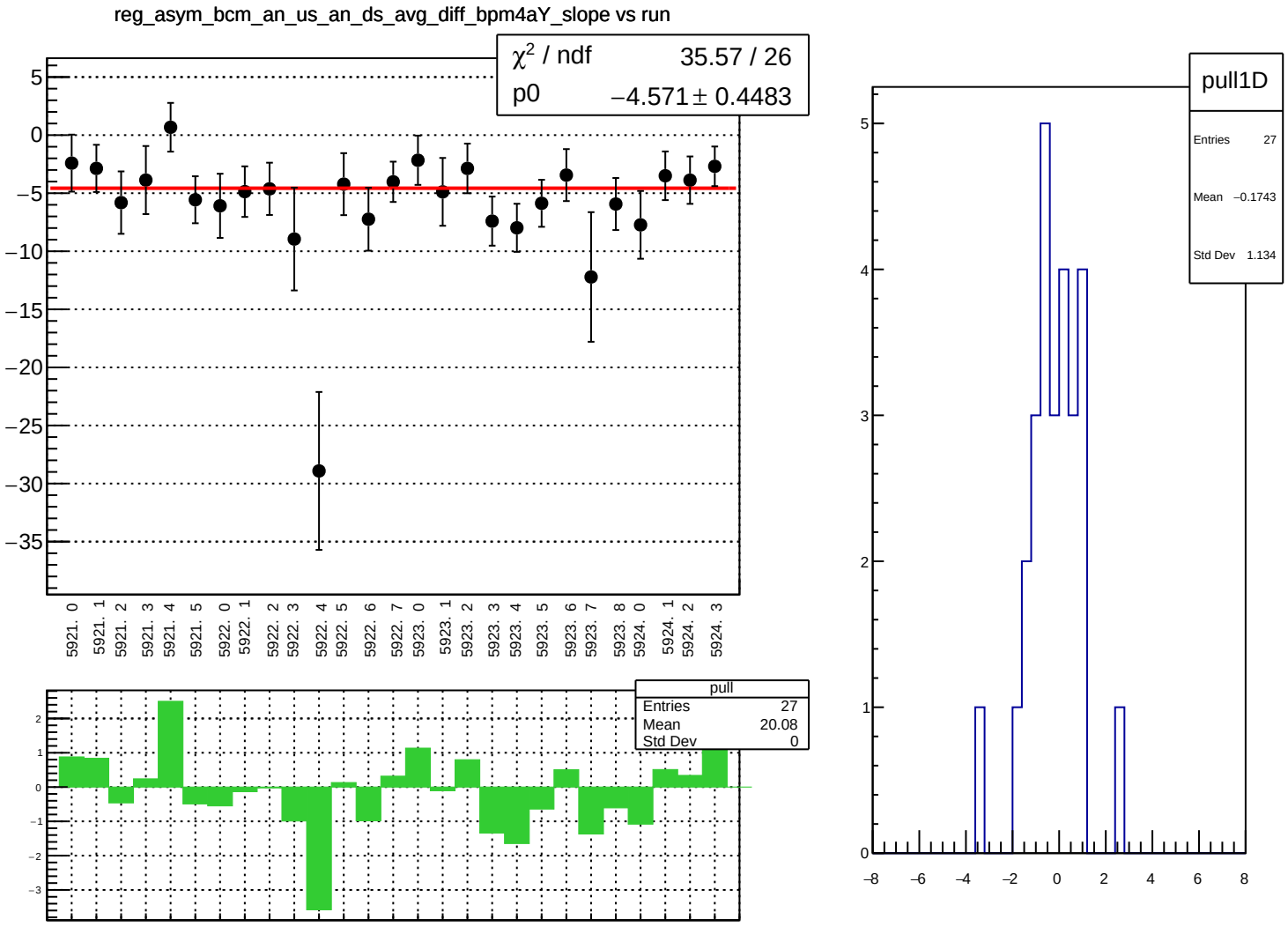

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 34.34 / 26
p0 −1.551 ± 0.1516
pull
Entries 27
Mean 20.52
Std Dev 0
pull1D
Entries 27
Mean −0.1669
Std Dev 1.115

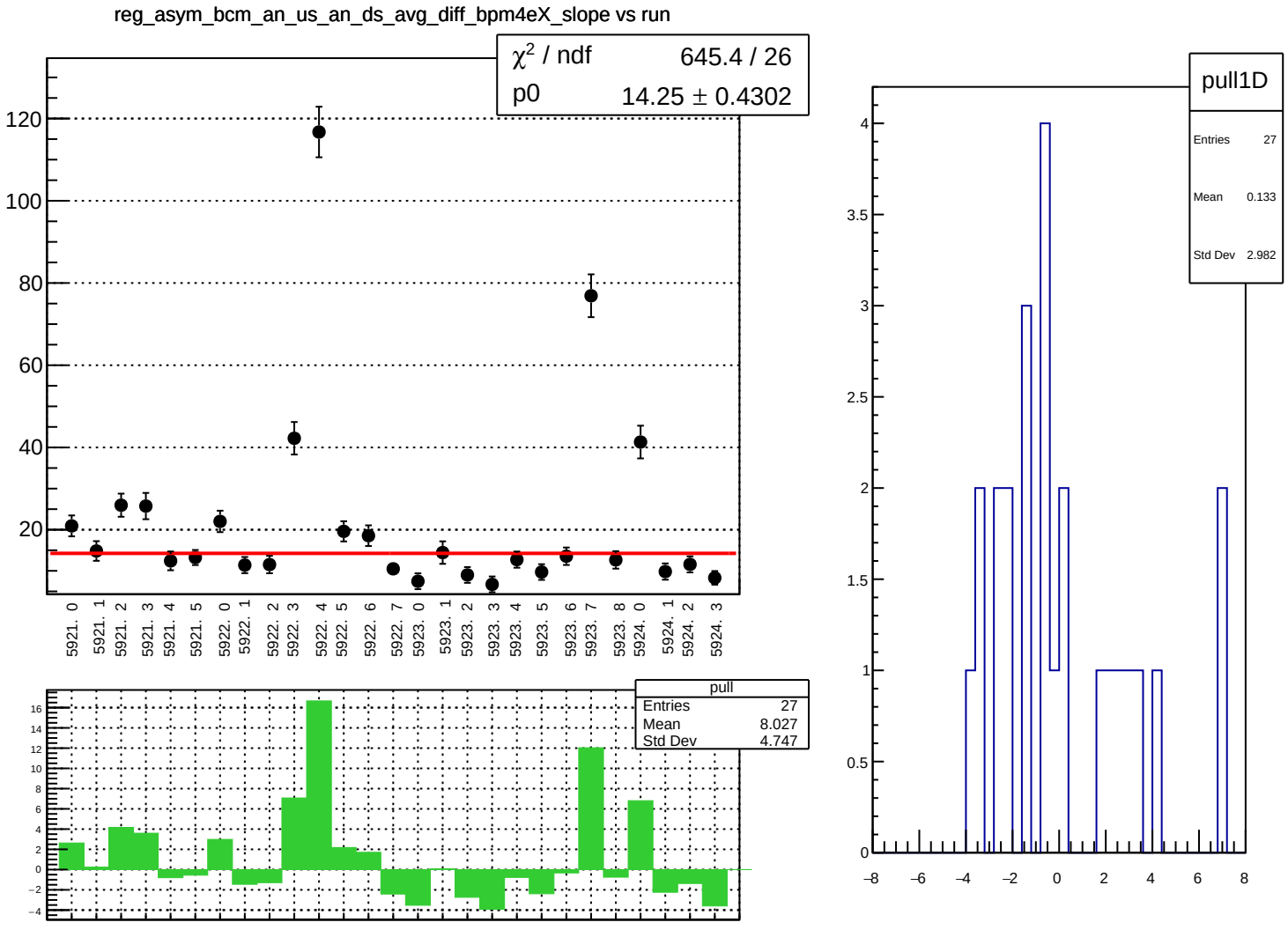

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 637.1 / 26
p0 4.769 ± 0.1455
pull
Entries 27
Mean 8.115
Std Dev 4.822
pull1D
Entries 27
Mean 0.1182
Std Dev 2.966

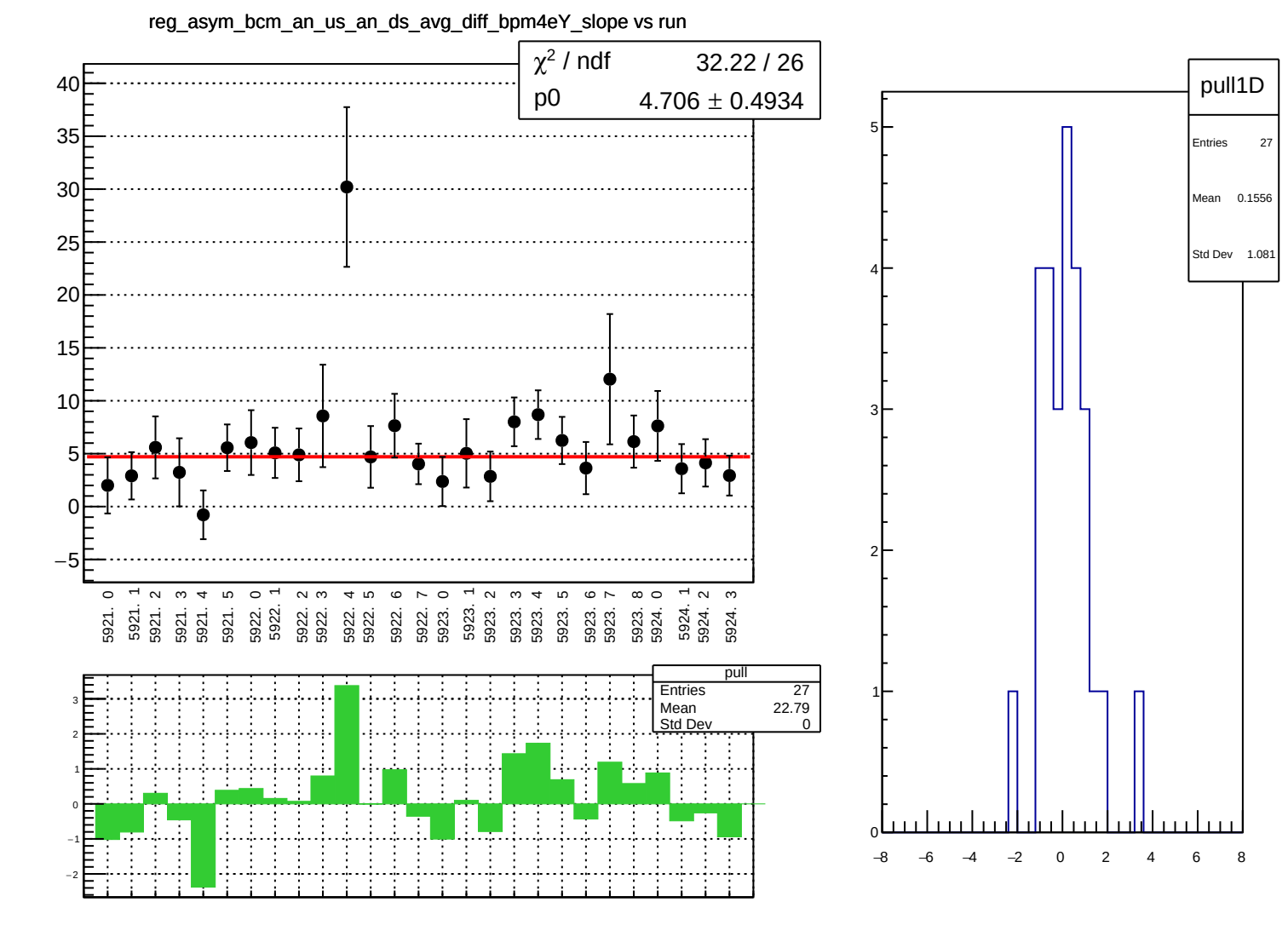

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 31.16 / 26
p0 1.59 ± 0.1668
pull
Entries 27
Mean 23.47
Std Dev 0
pull1D
Entries 27
Mean 0.1489
Std Dev 1.064

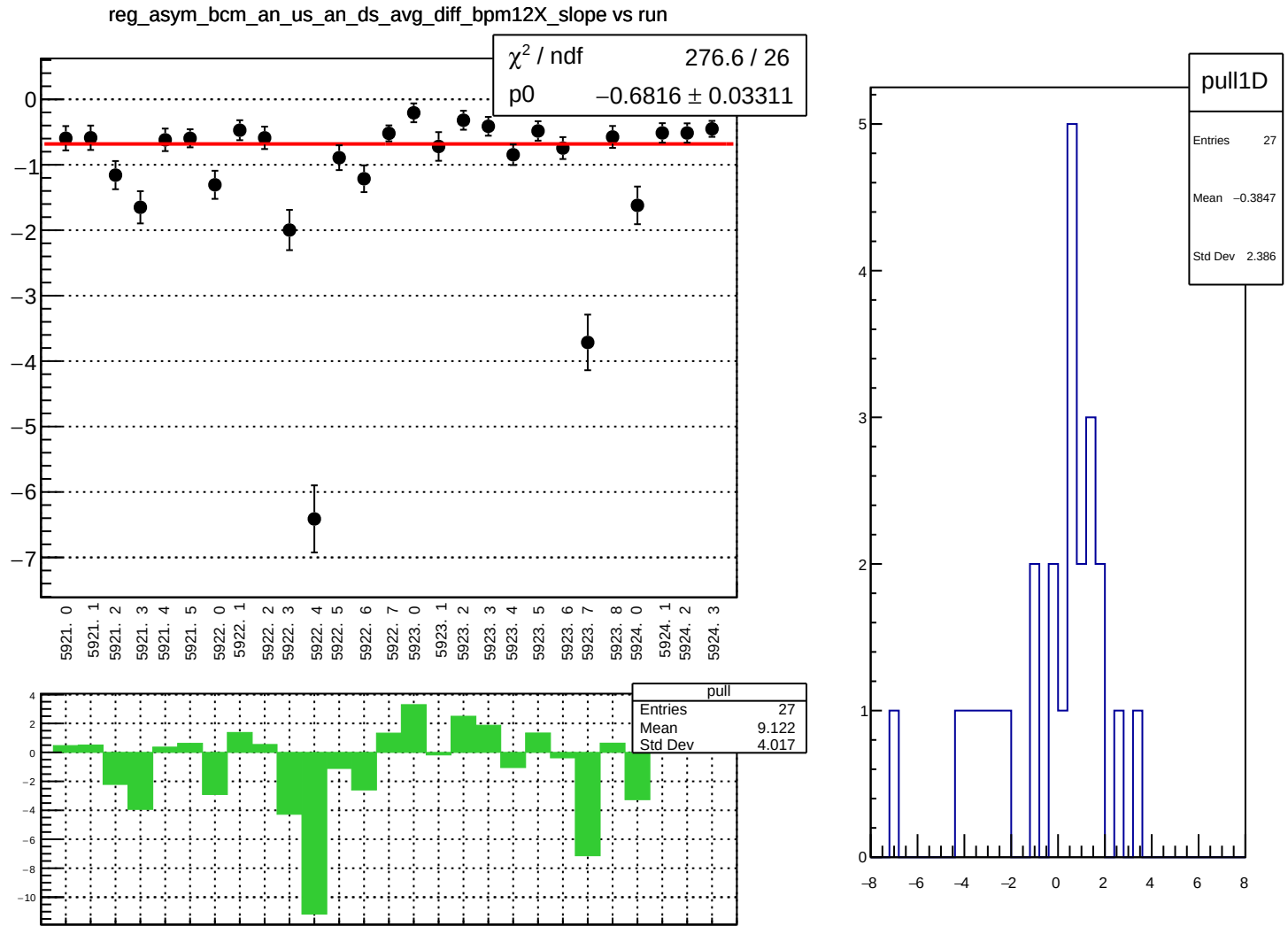

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 270.9 / 26
p0 −0.2273 ± 0.01119
0
−0.5
−1
−1.5
−2
−2.5
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 9.296
Std Dev 4.292
4
2
0
−2
−4
−6
−8
−10
pull1D
Entries 27
Mean −0.3672
Std Dev 2.352
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

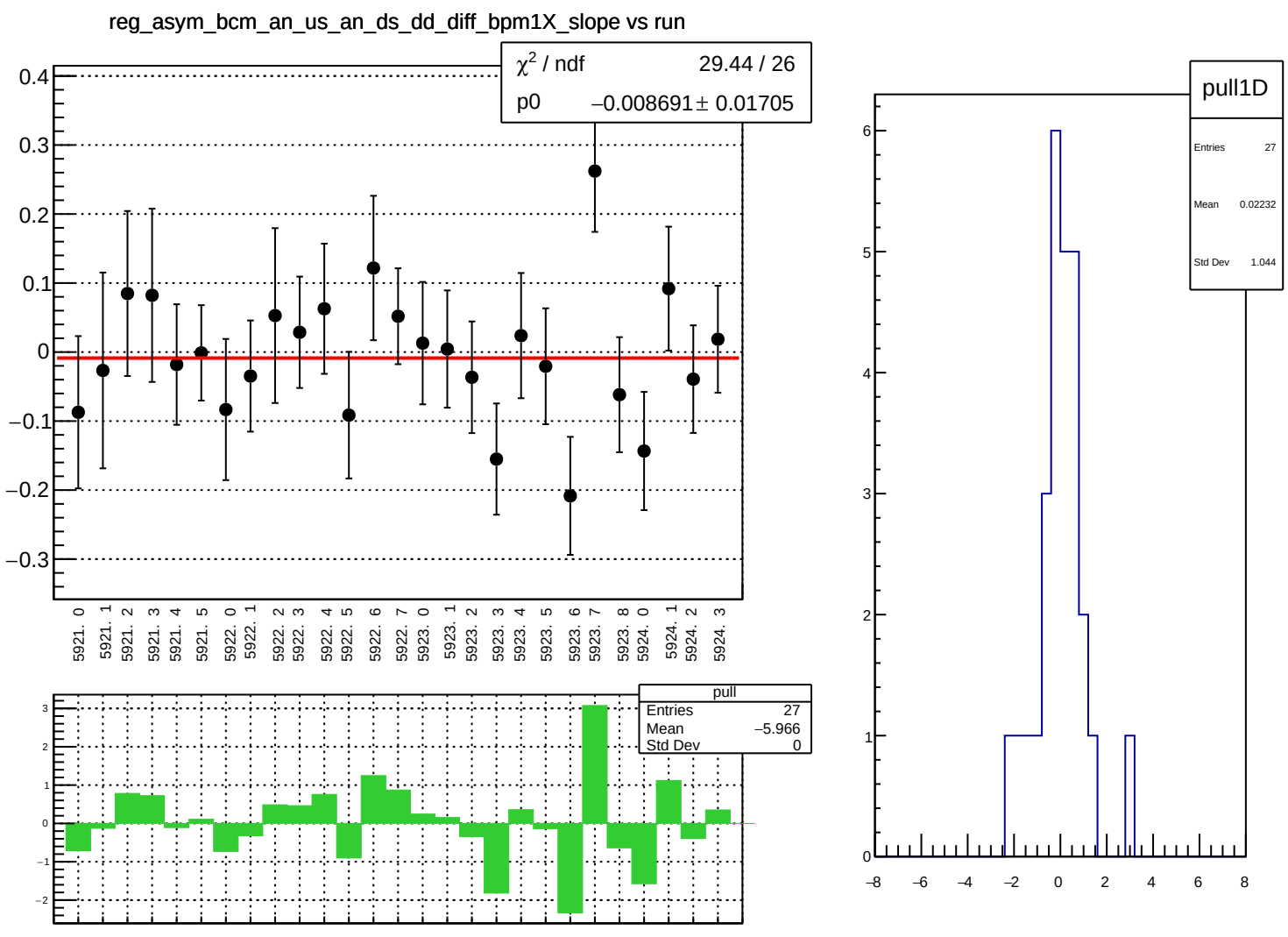

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 660.5 / 26
p0 −10.16 ± 0.3013
0
−20
−40
−60
−80
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 8.239
Std Dev 4.913
4
2
0
−2
−4
−6
−8
−10
−12
−14
−16
pull1D
Entries 27
Mean −0.1563
Std Dev 3.048
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

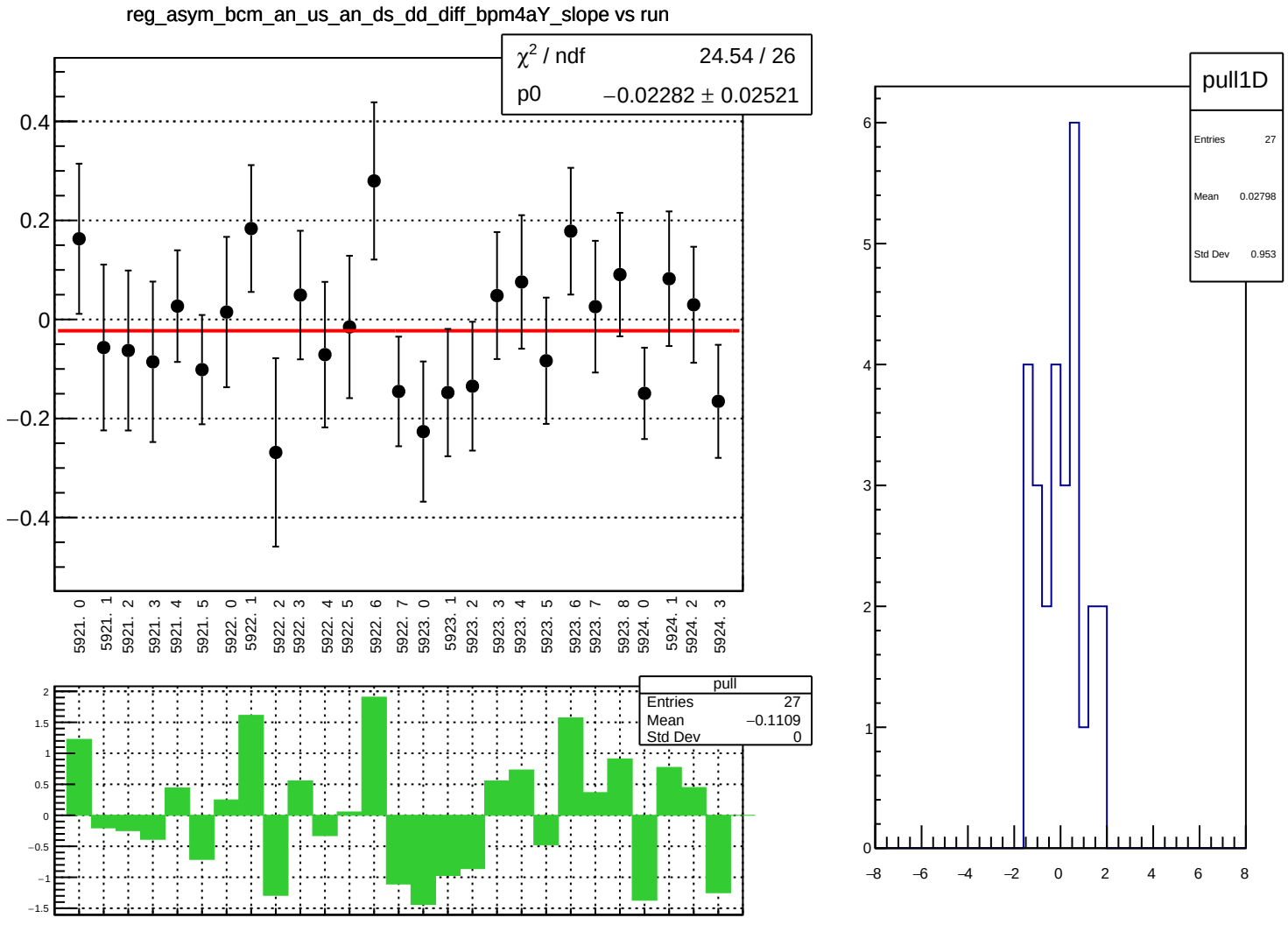

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 35.57 / 26
p0 −4.571 ± 0.4483
5
0
−5
−10
−15
−20
−25
−30
−35
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 20.08
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 27
Mean −0.1743
Std Dev 1.134
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

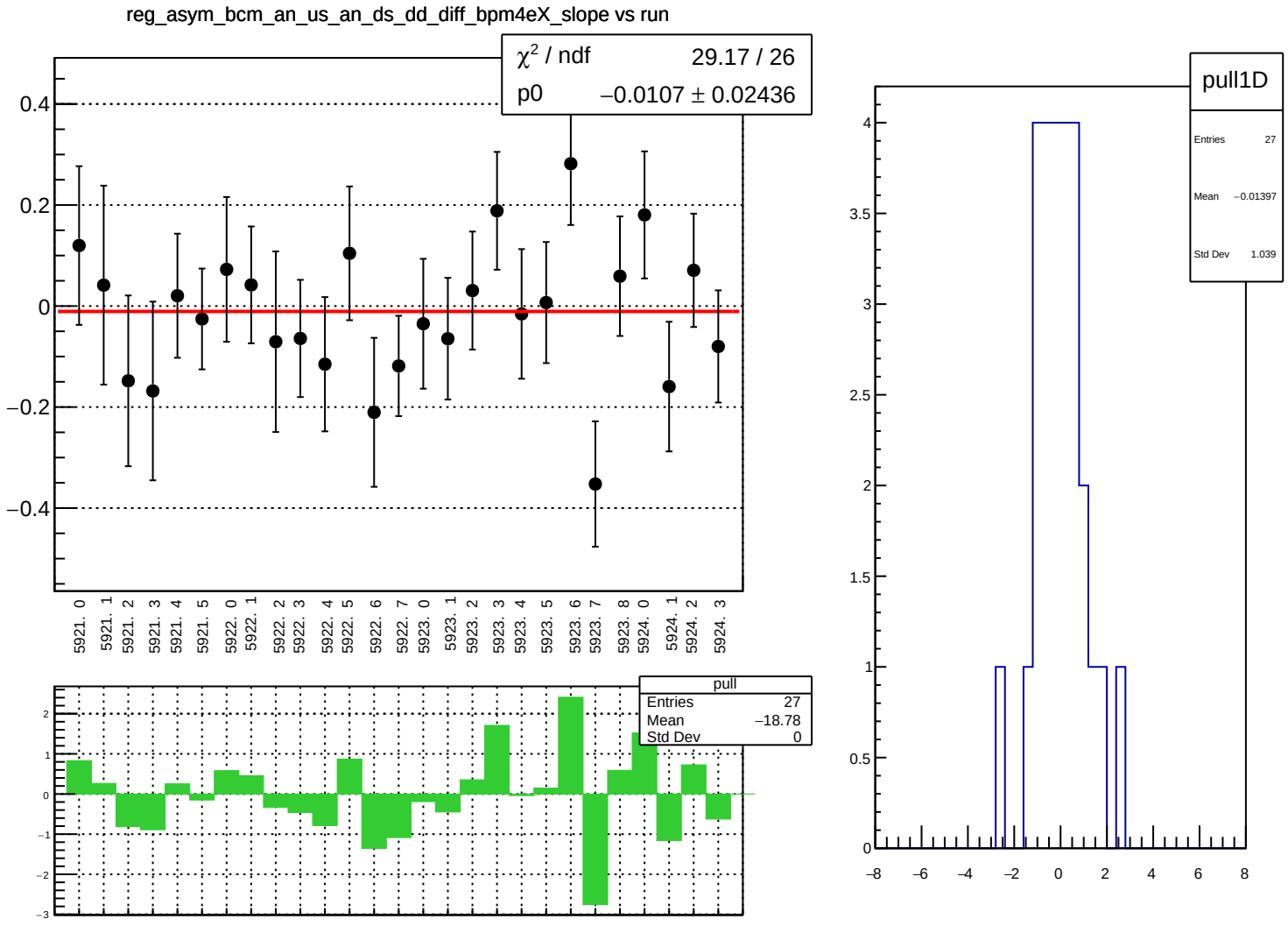

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 645.4 / 26
p0 14.25 ± 0.4302
120
100
80
60
40
20
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 8.027
Std Dev 4.747
16
14
12
10
8
6
4
2
0
−2
−4
pull1D
Entries 27
Mean 0.133
Std Dev 2.982
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

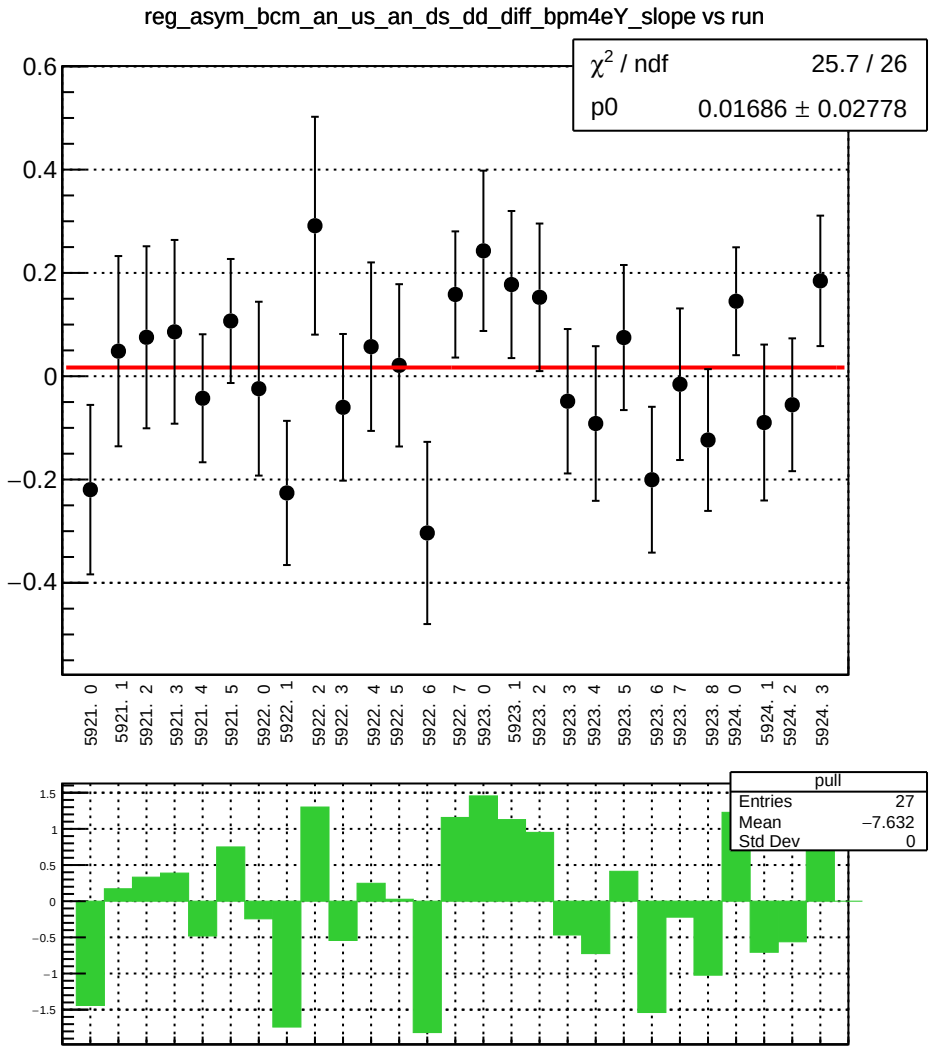

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 32.22 / 26
p0 4.706 ± 0.4934
pull
Entries 27
Mean 22.79
Std Dev 0
pull1D
Entries 27
Mean 0.1556
Std Dev 1.081

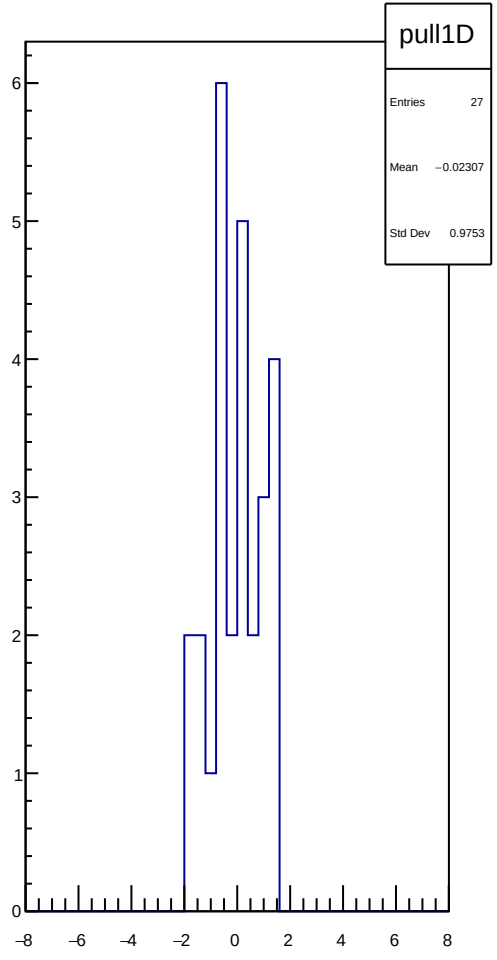

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 276.6 / 26
p0 −0.6816 ± 0.03311
0
−1
−2
−3
−4
−5
−6
−7
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 9.122
Std Dev 4.017
4
2
0
−2
−4
−6
−8
−10
pull1D
Entries 27
Mean −0.3847
Std Dev 2.386
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

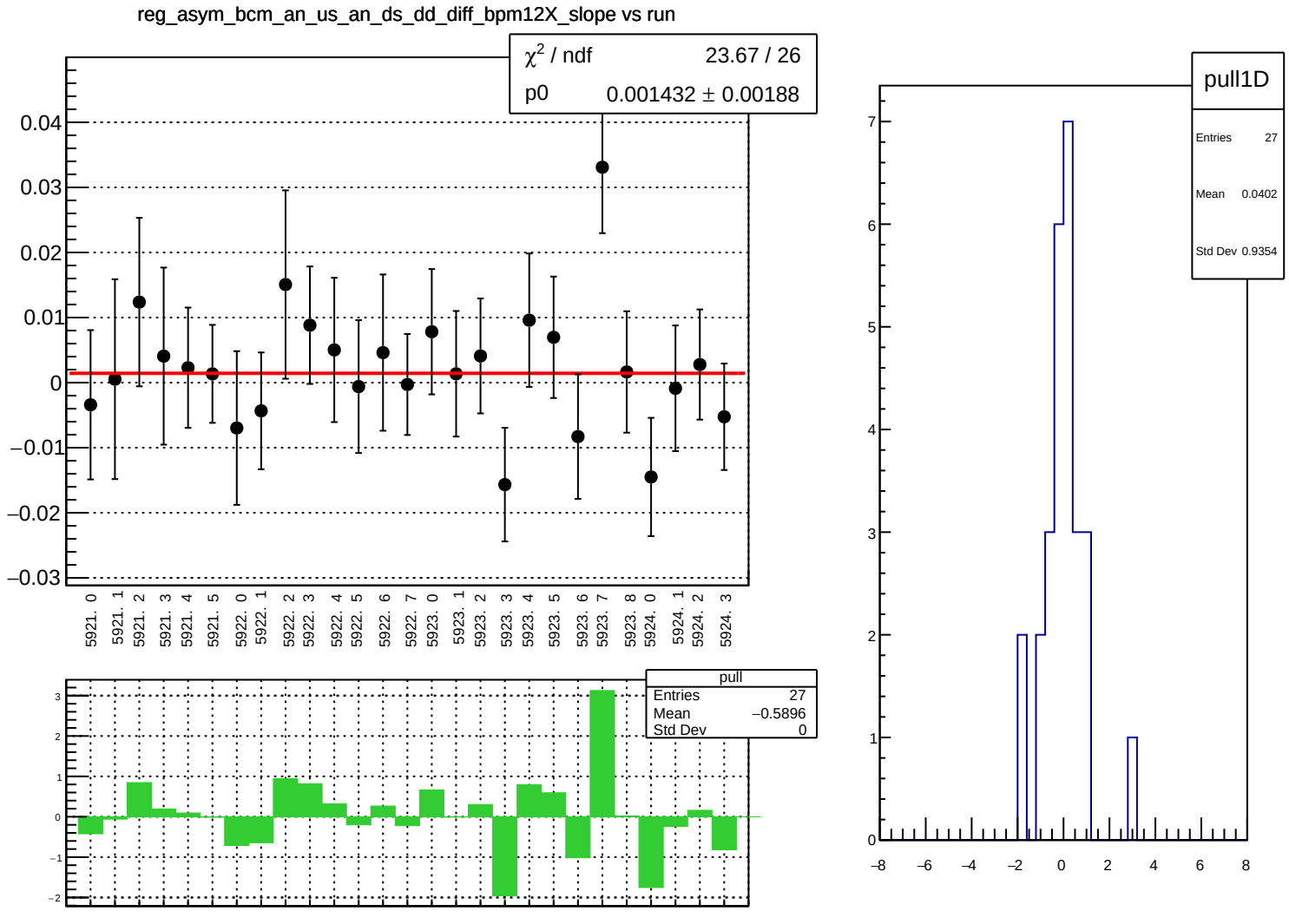

reg_asym_bcm_an_us_an_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 29.44 / 26
p0 −0.008691 ± 0.01705
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −5.966
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 27
Mean 0.02232
Std Dev 1.044
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

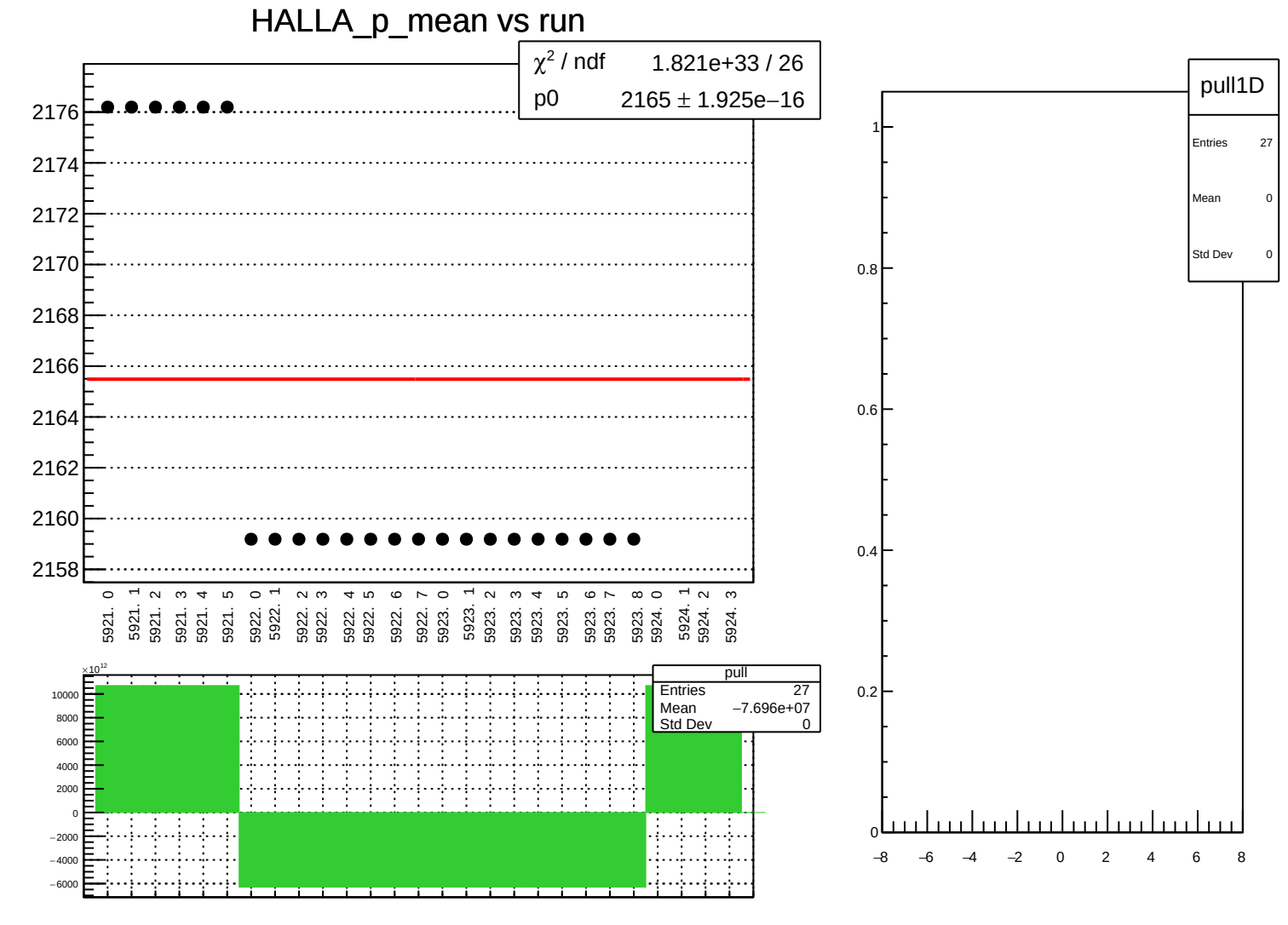

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 24.54 / 26
p0 −0.02282 ± 0.02521
0.4
0.2
0
−0.2
−0.4
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −0.1109
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 27
Mean 0.02798
Std Dev 0.953
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

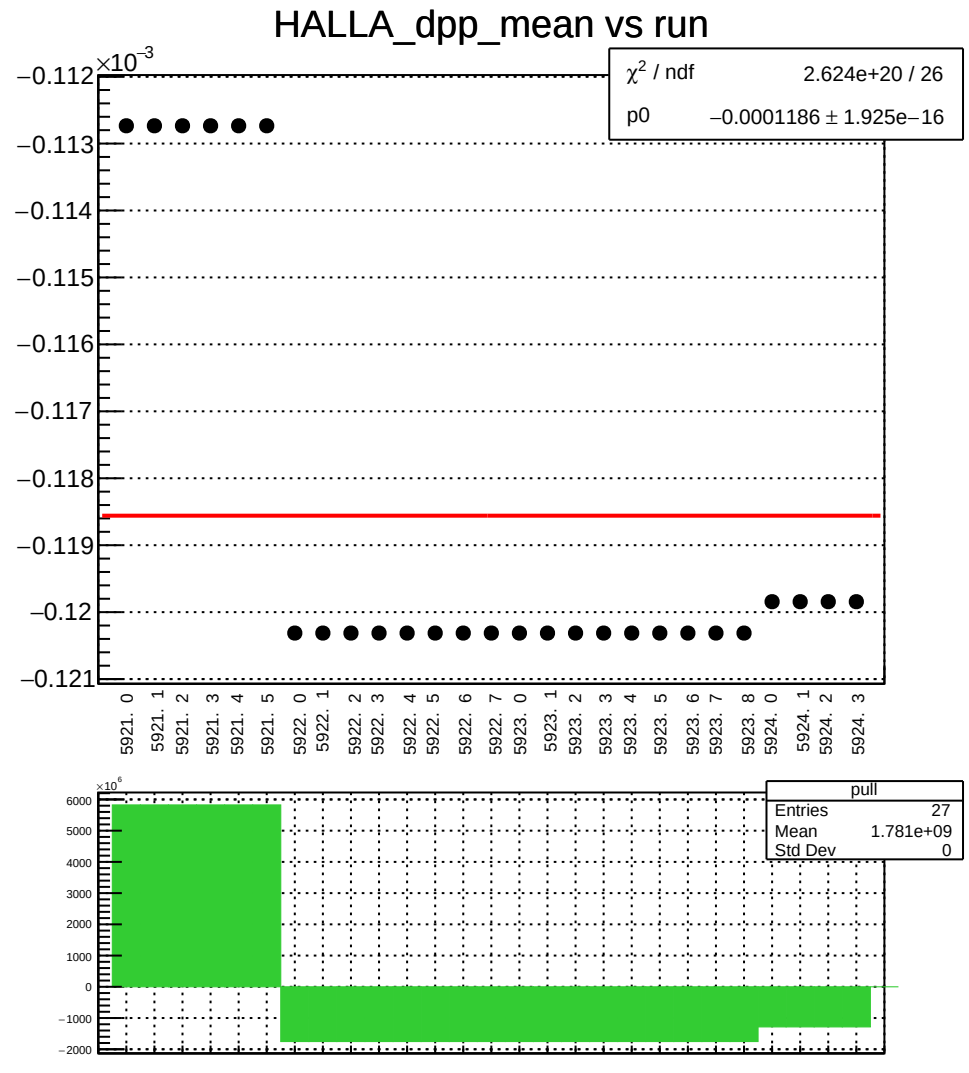

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 29.17 / 26
p0 −0.0107 ± 0.02436
0.4
0.2
0
−0.2
−0.4
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −18.78
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 27
Mean −0.01397
Std Dev 1.039
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

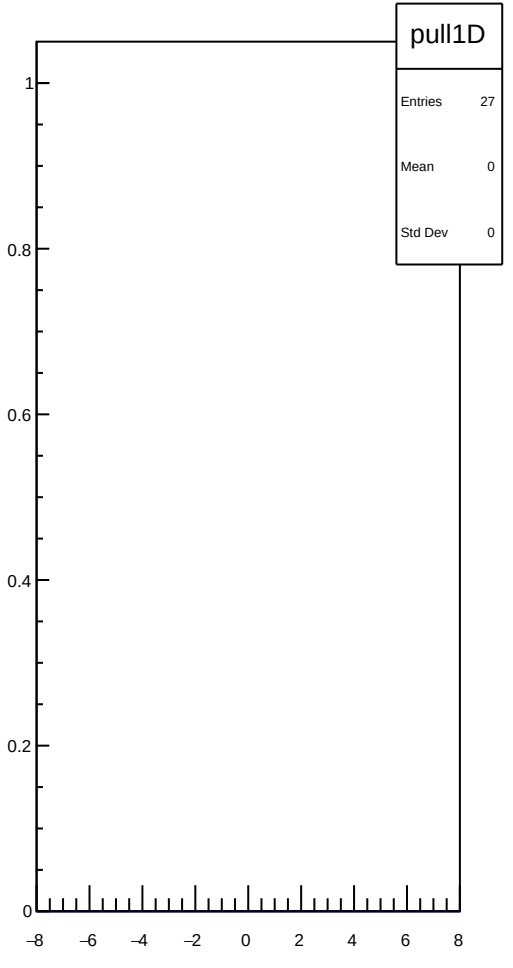

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 25.7 / 26
p0 0.01686 ± 0.02778
0.6
0.4
0.2
0
−0.2
−0.4
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −7.632
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

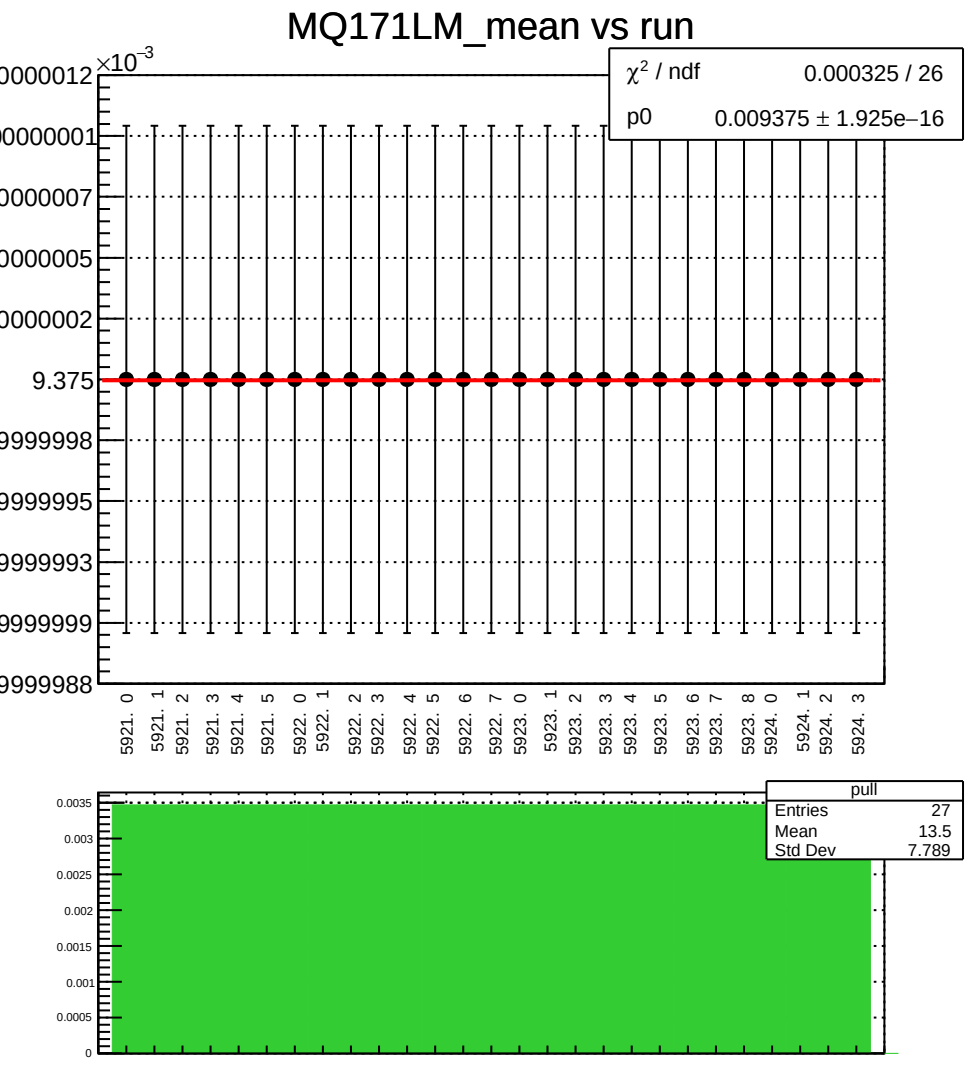

pull1D
Entries 27
Mean −0.02307
Std Dev 0.9753
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

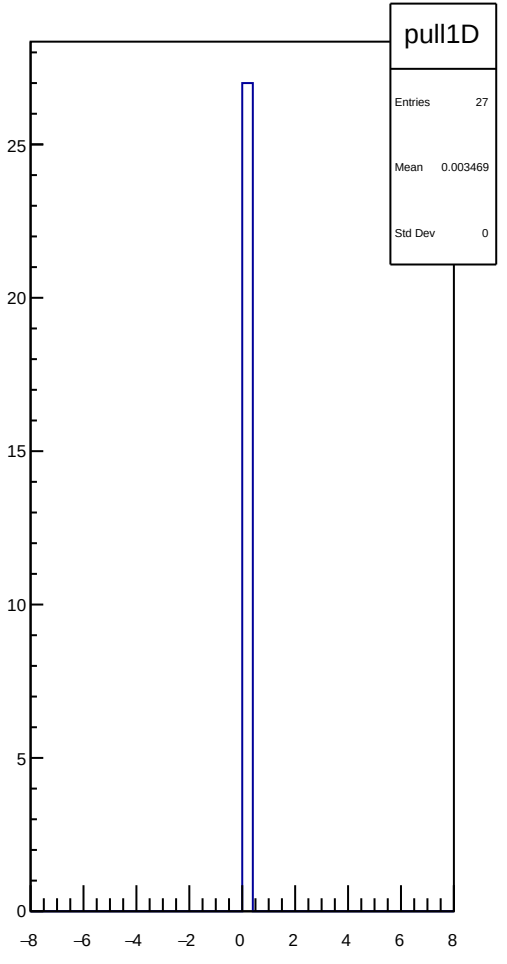

reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 23.67 / 26
p0 0.001432 ± 0.00188
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean −0.5896
Std Dev 0
pull1D
Entries 27
Mean 0.0402
Std Dev 0.9354

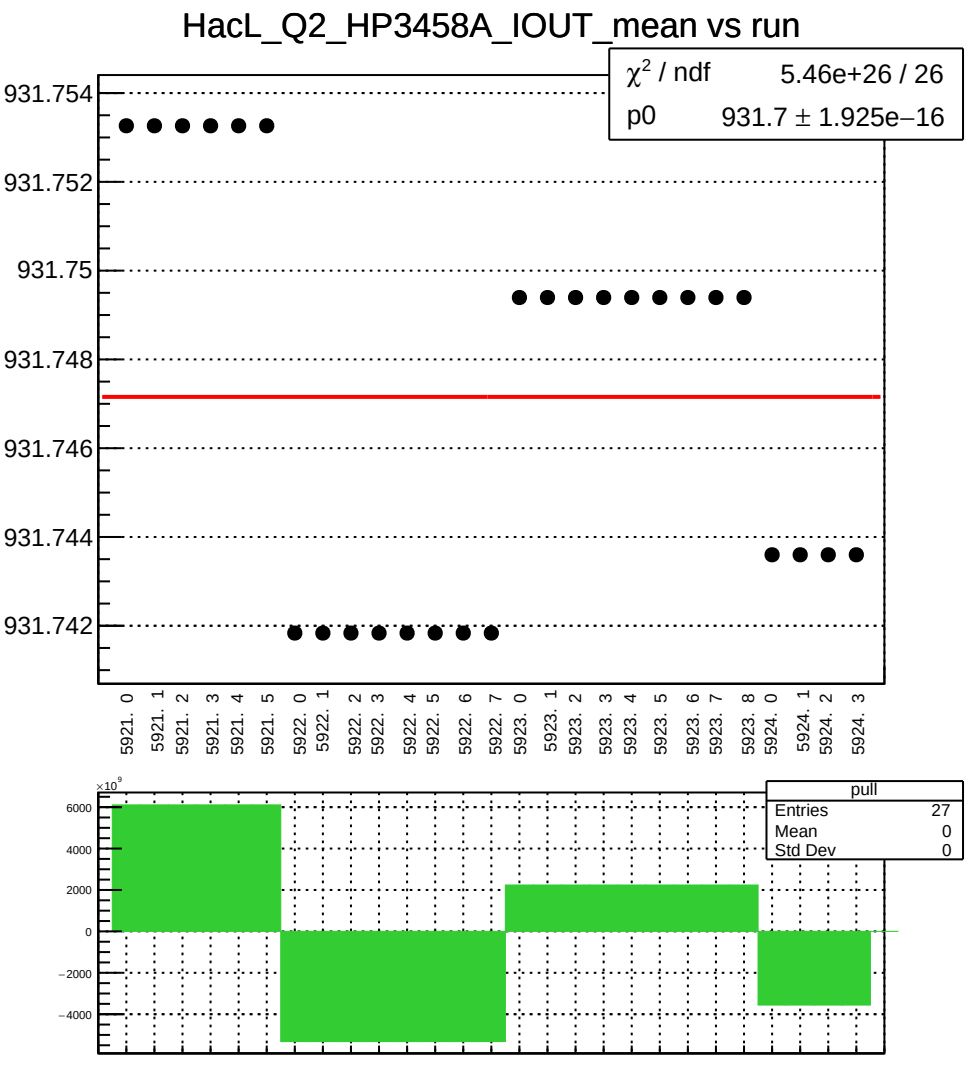

HALLA_p_mean vs run
χ² / ndf 1.821e+33 / 26
p0 2165 ± 1.925e−16
2176
2174
2172
2170
2168
2166
2164
2162
2160
2158
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
×10¹²
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 27
Mean −7.696e+07
Std Dev 0
pull1D
Entries 27
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

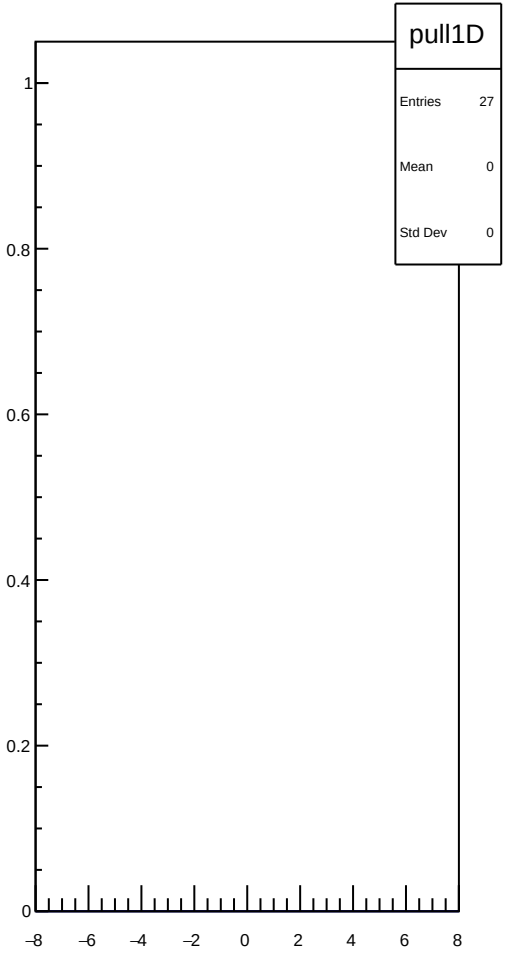

HALLA_dpp_mean vs run
×10⁻³
χ² / ndf 2.624e+20 / 26
p0 −0.0001186 ± 1.925e−16
−0.112
−0.113
−0.114
−0.115
−0.116
−0.117
−0.118
−0.119
−0.12
−0.121
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
×10⁶
6000
5000
4000
3000
2000
1000
0
−1000
−2000
pull
Entries 27
Mean 1.781e+09
Std Dev 0

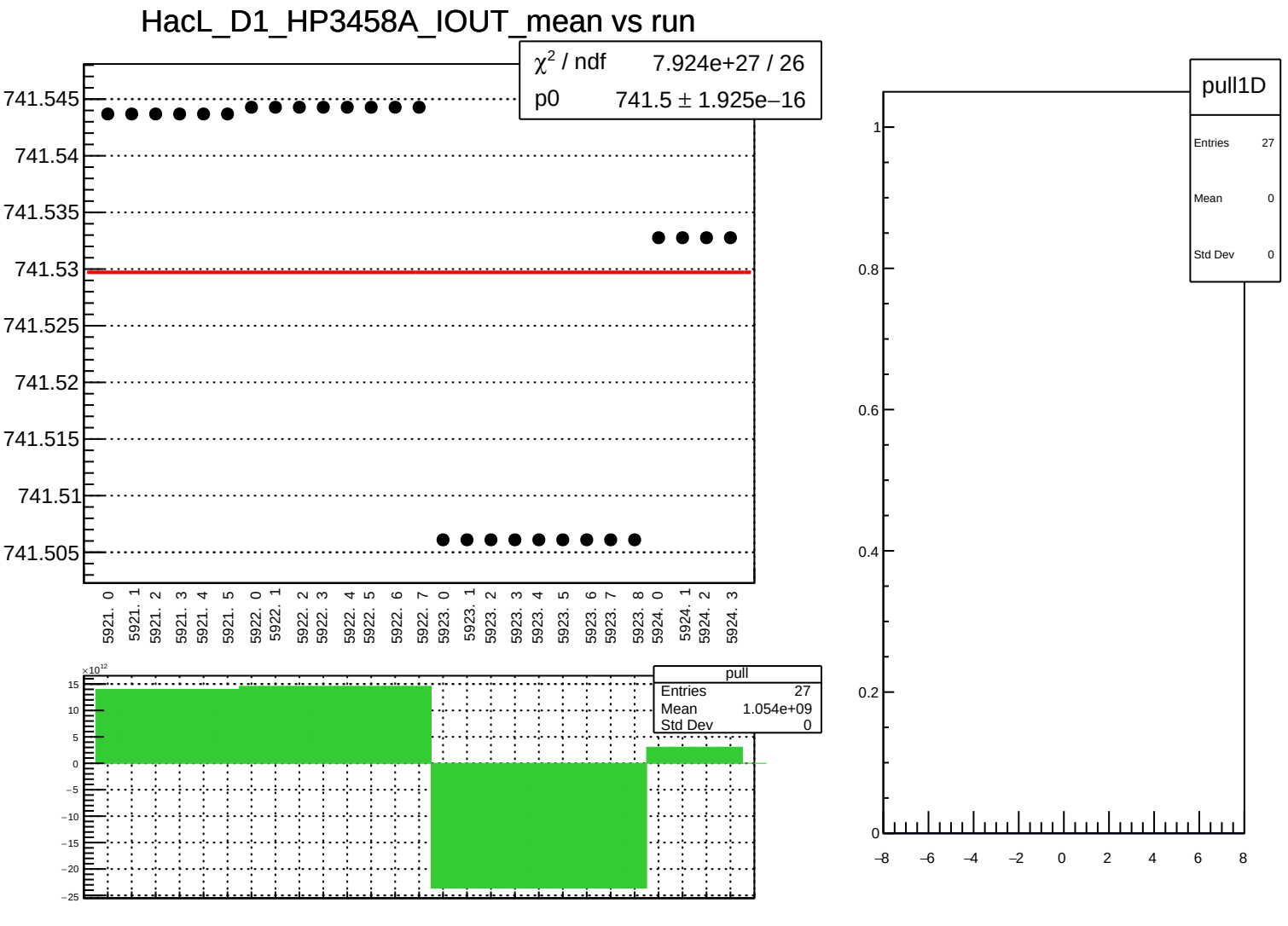

pull1D
Entries 27
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

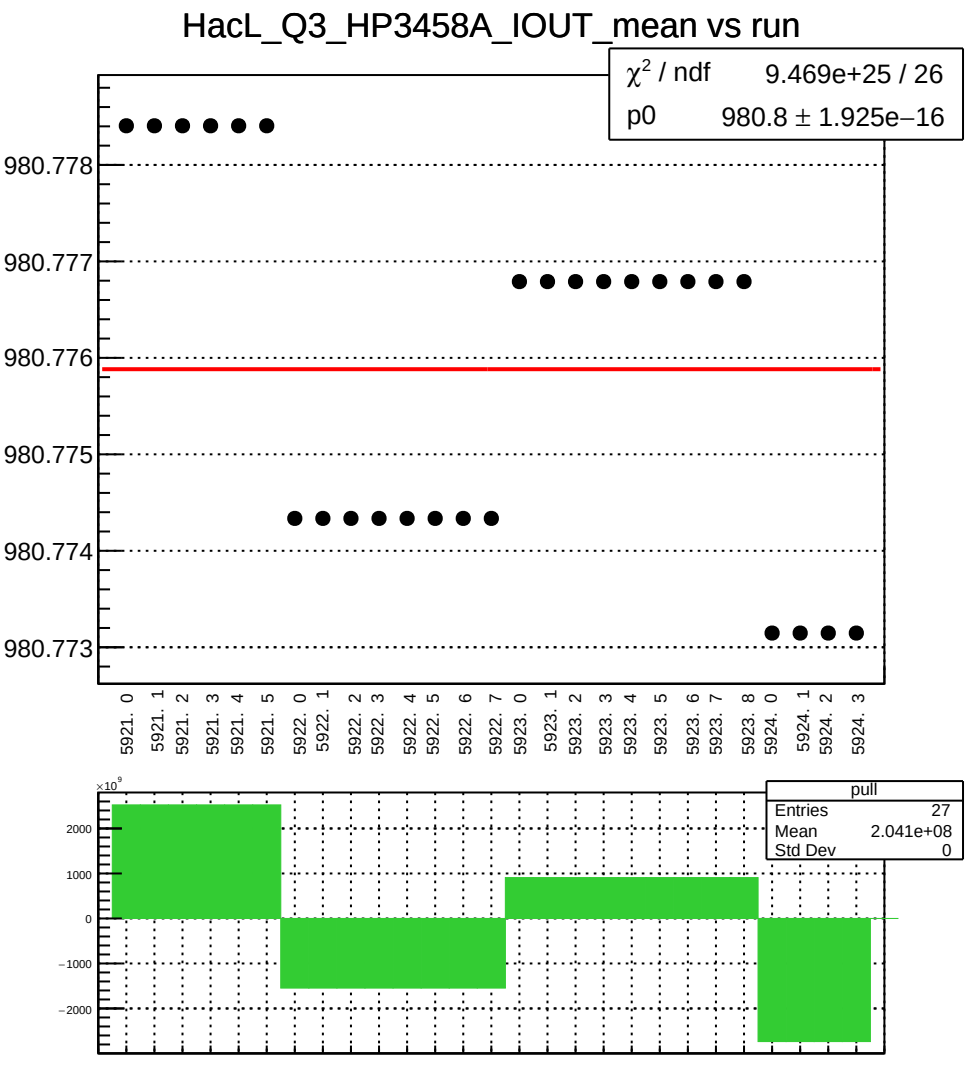

MQ171LM_mean vs run
×10⁻³
χ² / ndf 0.000325 / 26
p0 0.009375 ± 1.925e−16
0000012
0000001
0000007
0000005
0000002
9.375
9999998
9999995
9999993
9999999
9999988
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 13.5
Std Dev 7.789
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
0

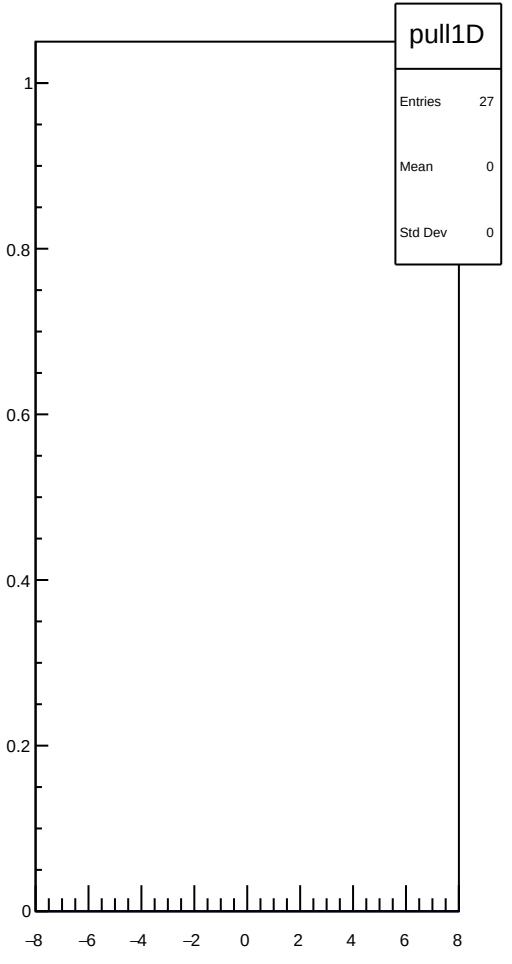

pull1D
Entries 27
Mean 0.003469
Std Dev 0
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

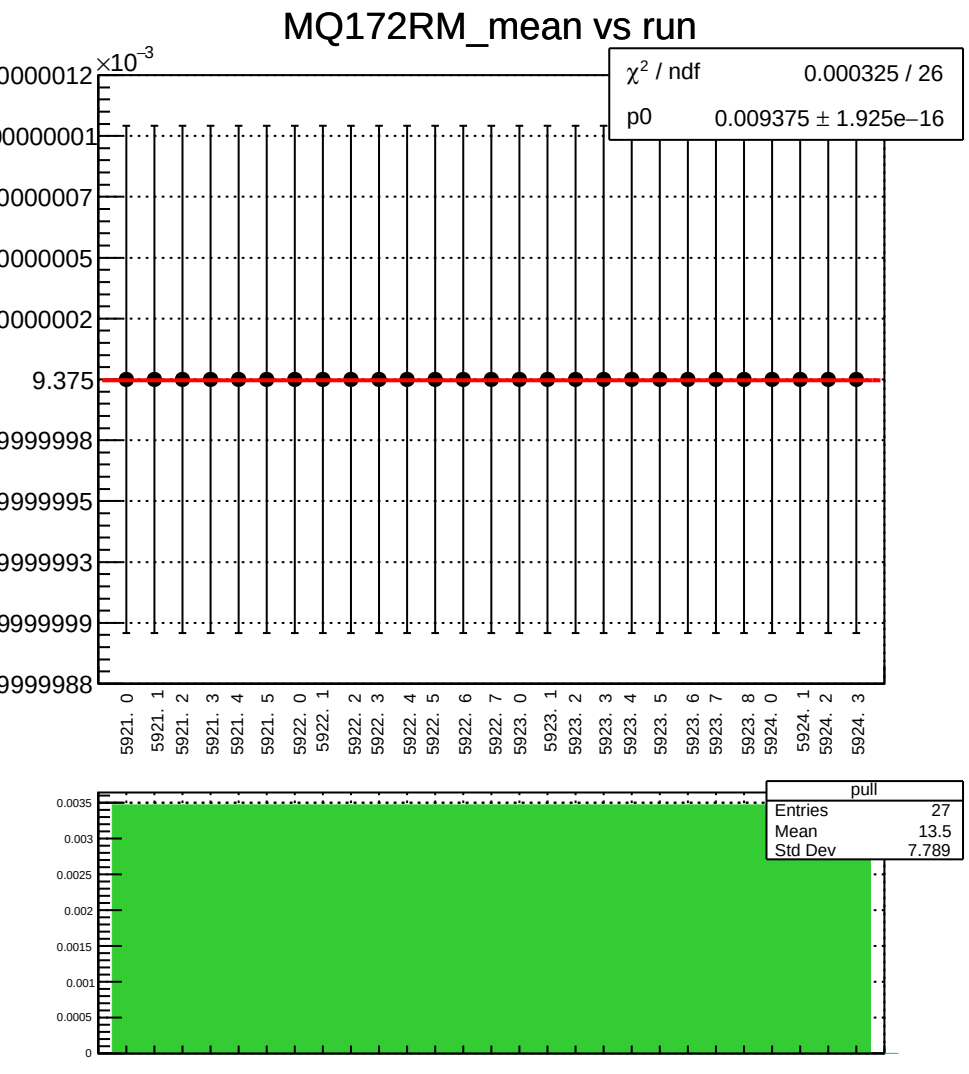

HacL_Q2_HP3458A_IOUT_mean vs run
χ² / ndf 5.46e+26 / 26
p0 931.7 ± 1.925e−16
931.754
931.752
931.75
931.748
931.746
931.744
931.742
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
×10⁹
6000
4000
2000
0
−2000
−4000
pull
Entries 27
Mean 0
Std Dev 0

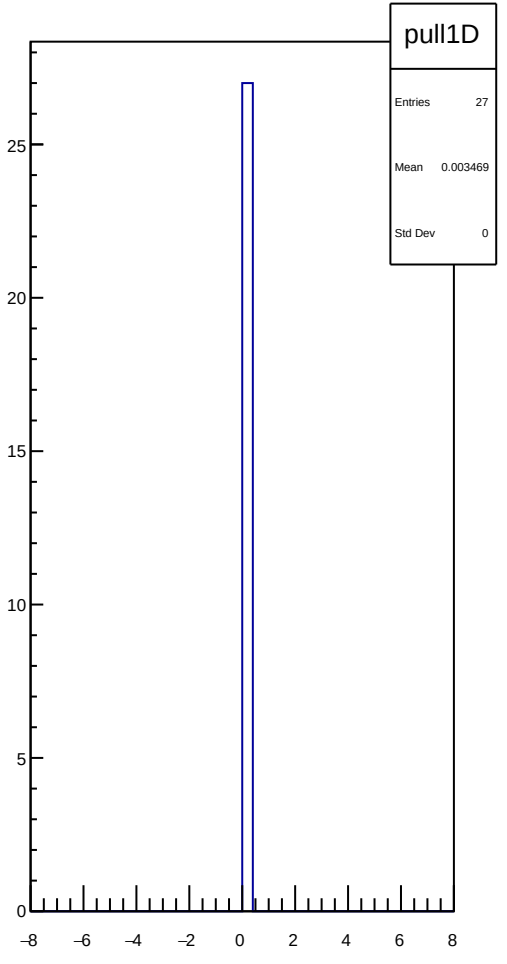

pull1D
Entries 27
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

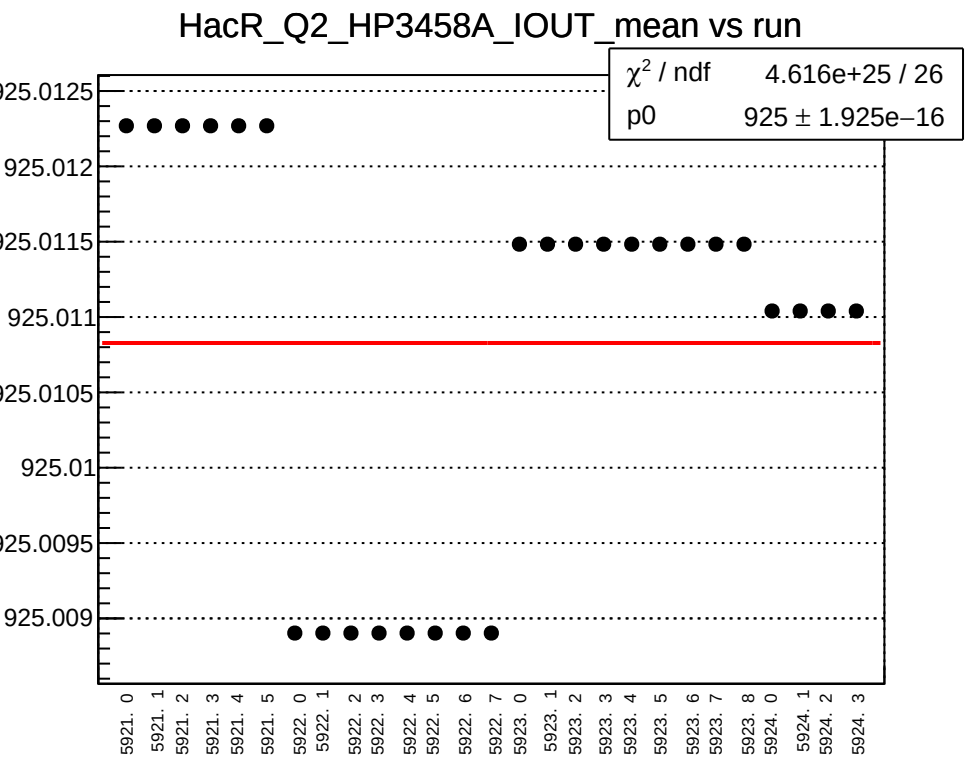

HacL_D1_HP3458A_IOUT_mean vs run
χ² / ndf 7.924e+27 / 26
p0 741.5 ± 1.925e−16
741.545
741.54
741.535
741.53
741.525
741.52
741.515
741.51
741.505
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
×10¹²
15
10
5
0
−5
−10
−15
−20
−25
pull
Entries 27
Mean 1.054e+09
Std Dev 0
pull1D
Entries 27
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

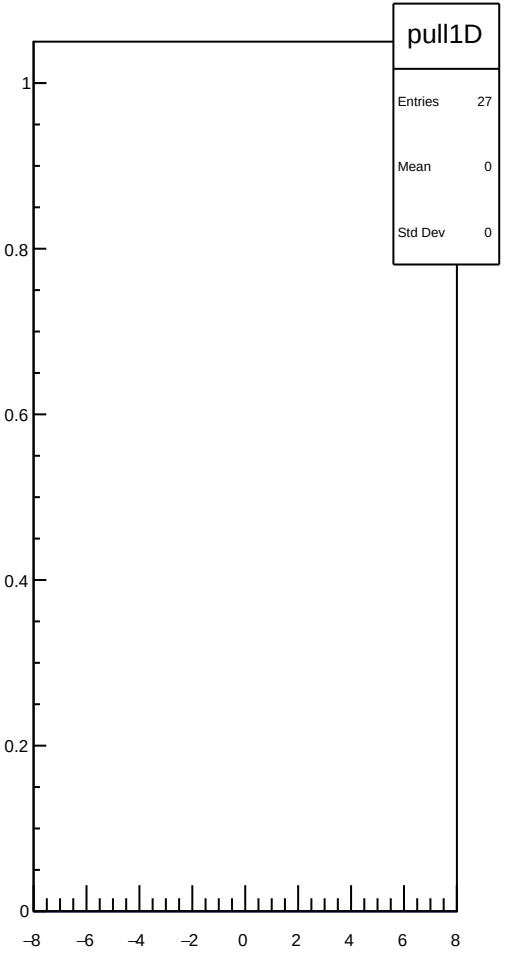

HacL_Q3_HP3458A_IOUT_mean vs run
χ² / ndf 9.469e+25 / 26
p0 980.8 ± 1.925e−16
980.778
980.777
980.776
980.775
980.774
980.773
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
×10⁹
2000
1000
0
−1000
−2000
pull
Entries 27
Mean 2.041e+08
Std Dev 0

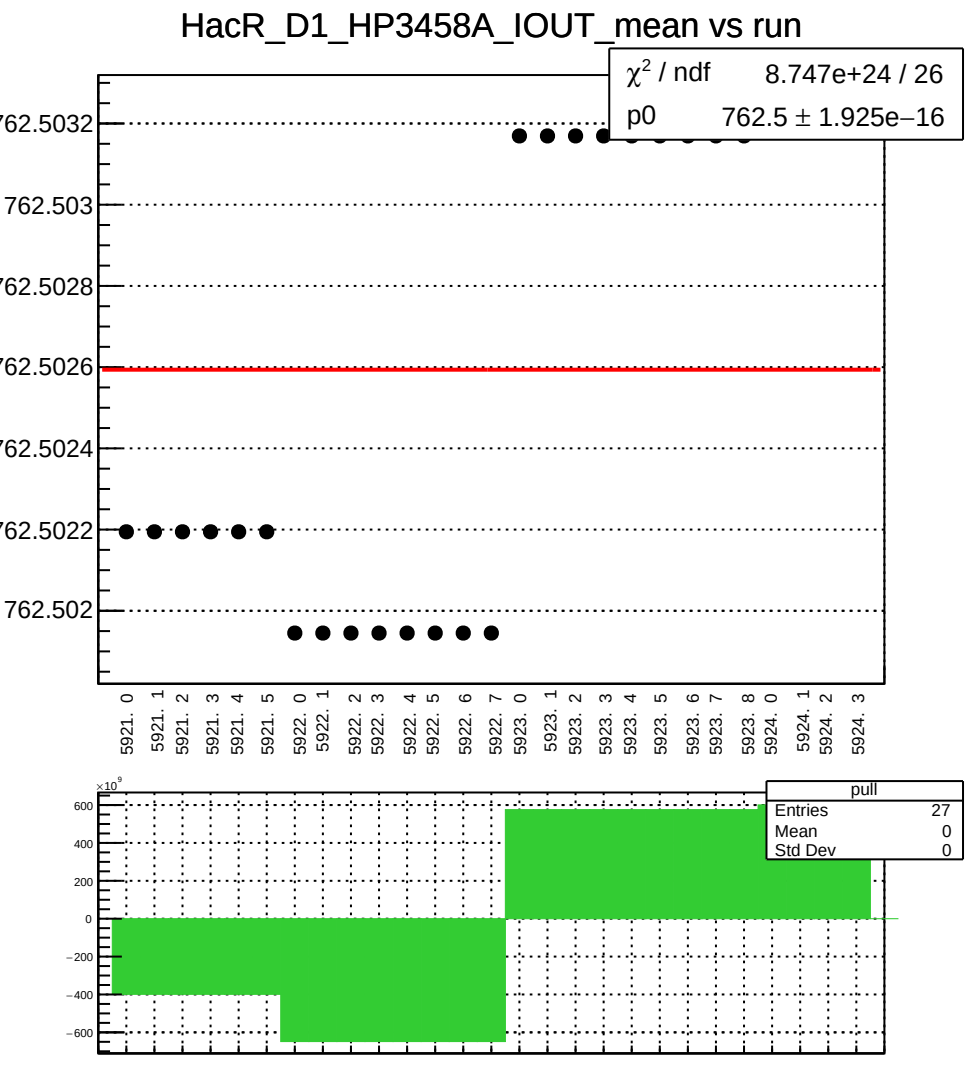

pull1D
Entries 27
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

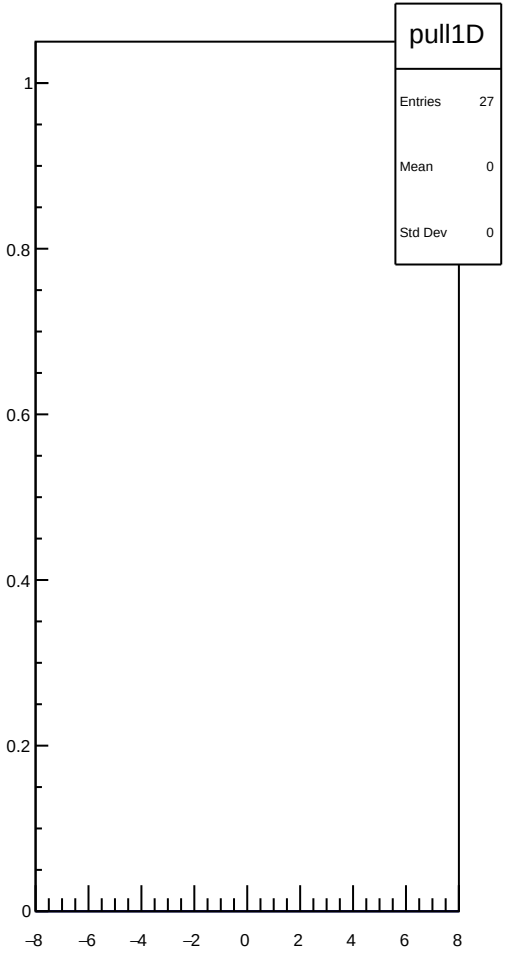

MQ172RM_mean vs run
×10⁻³
χ² / ndf 0.000325 / 26
p0 0.009375 ± 1.925e−16
0000012
0000001
0000007
0000005
0000002
9.375
9999998
9999995
9999993
9999999
9999988
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 13.5
Std Dev 7.789
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
0

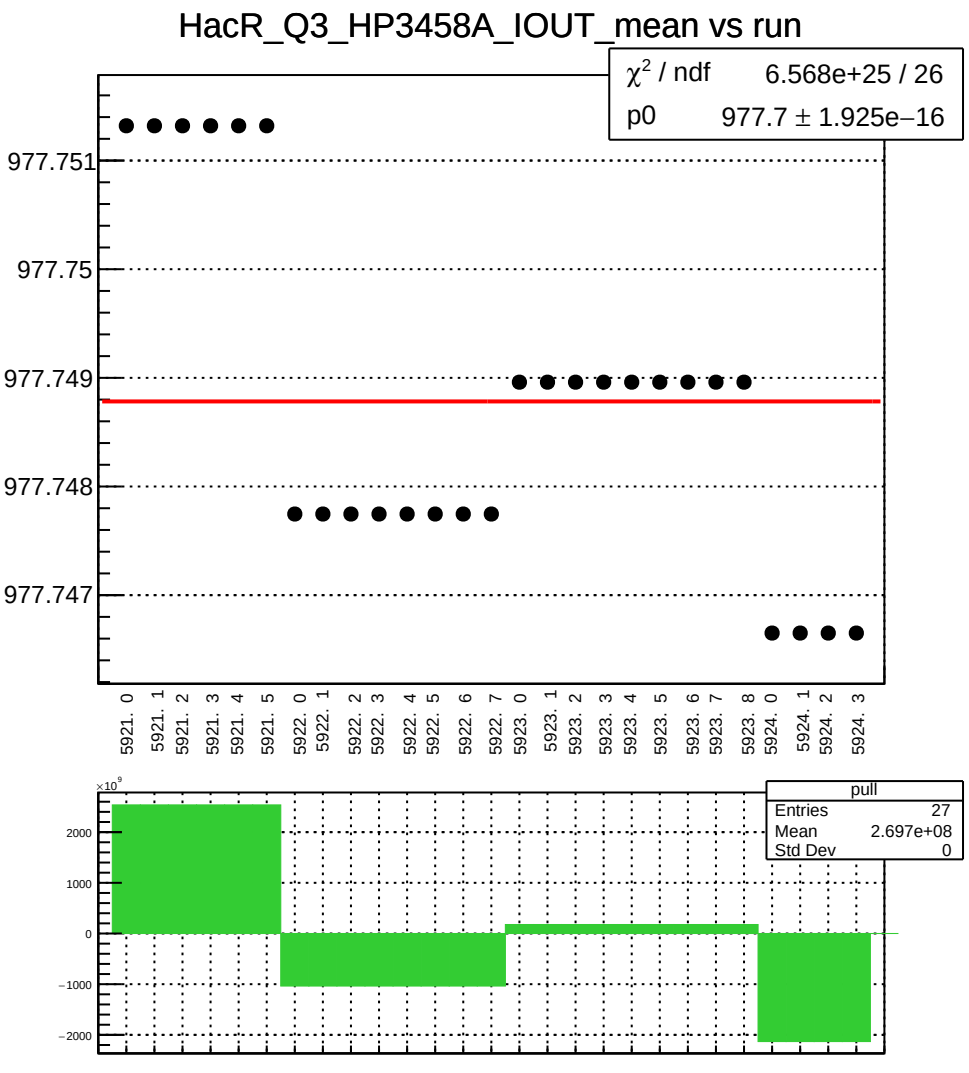

pull1D
Entries 27
Mean 0.003469
Std Dev 0
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

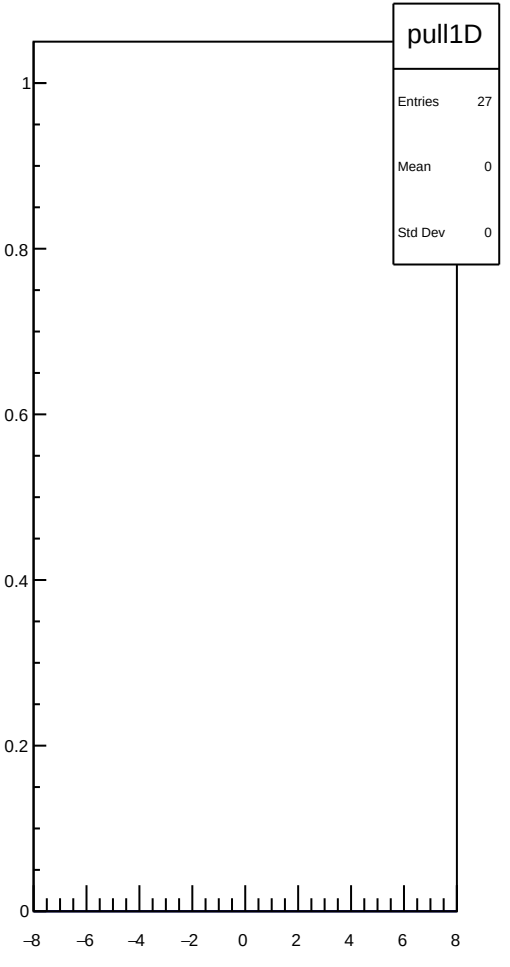

HacR_Q2_HP3458A_IOUT_mean vs run
χ² / ndf 4.616e+25 / 26
p0 925 ± 1.925e−16
925.0125
925.012
925.0115
925.011
925.0105
925.01
925.0095
925.009
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
×10⁹
1500
1000
500
0
−500
−1000
−1500
−2000
pull
Entries 27
Mean 1.8e+07
Std Dev 0

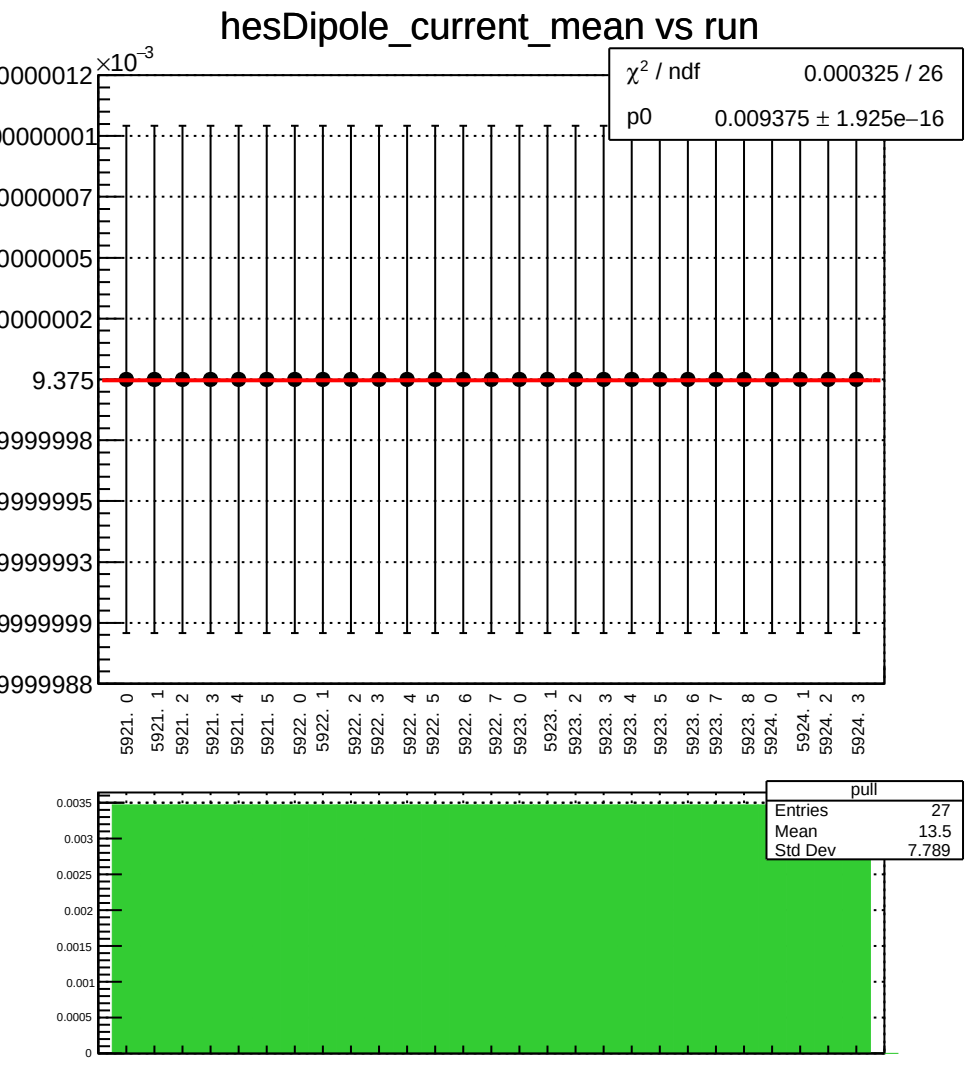

pull1D
Entries 27
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

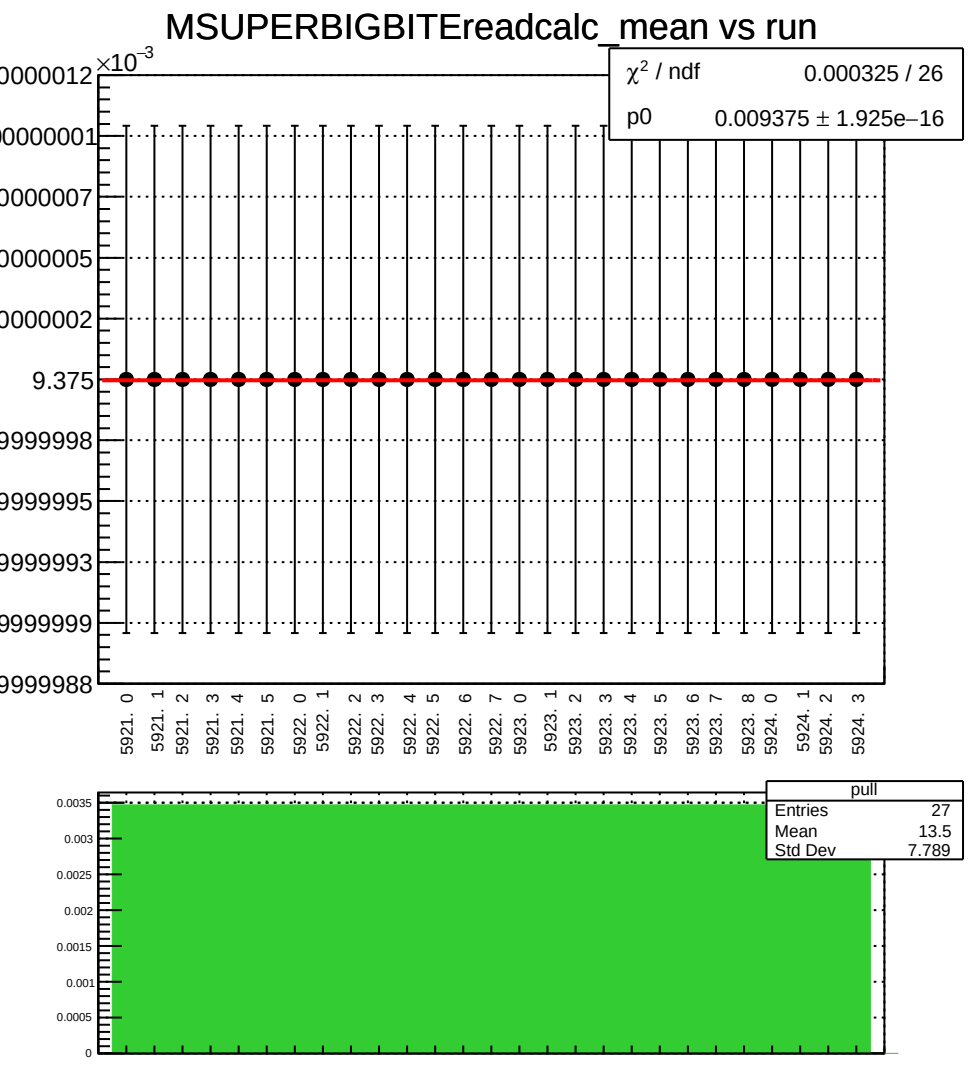

HacR_D1_HP3458A_IOUT_mean vs run
χ² / ndf 8.747e+24 / 26
p0 762.5 ± 1.925e−16
762.5032
762.503
762.5028
762.5026
762.5024
762.5022
762.502
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
×10⁹
600
400
200
0
−200
−400
−600
pull
Entries 27
Mean 0
Std Dev 0

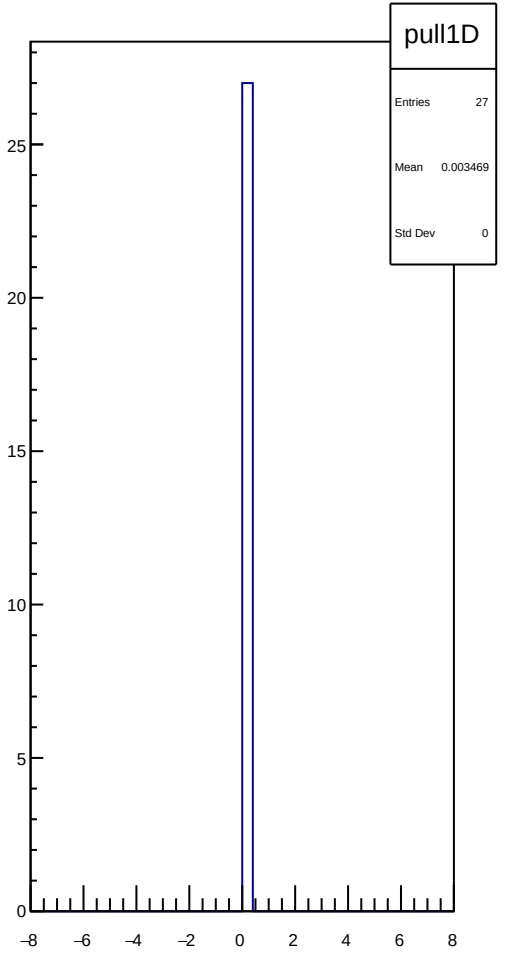

pull1D
Entries 27
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

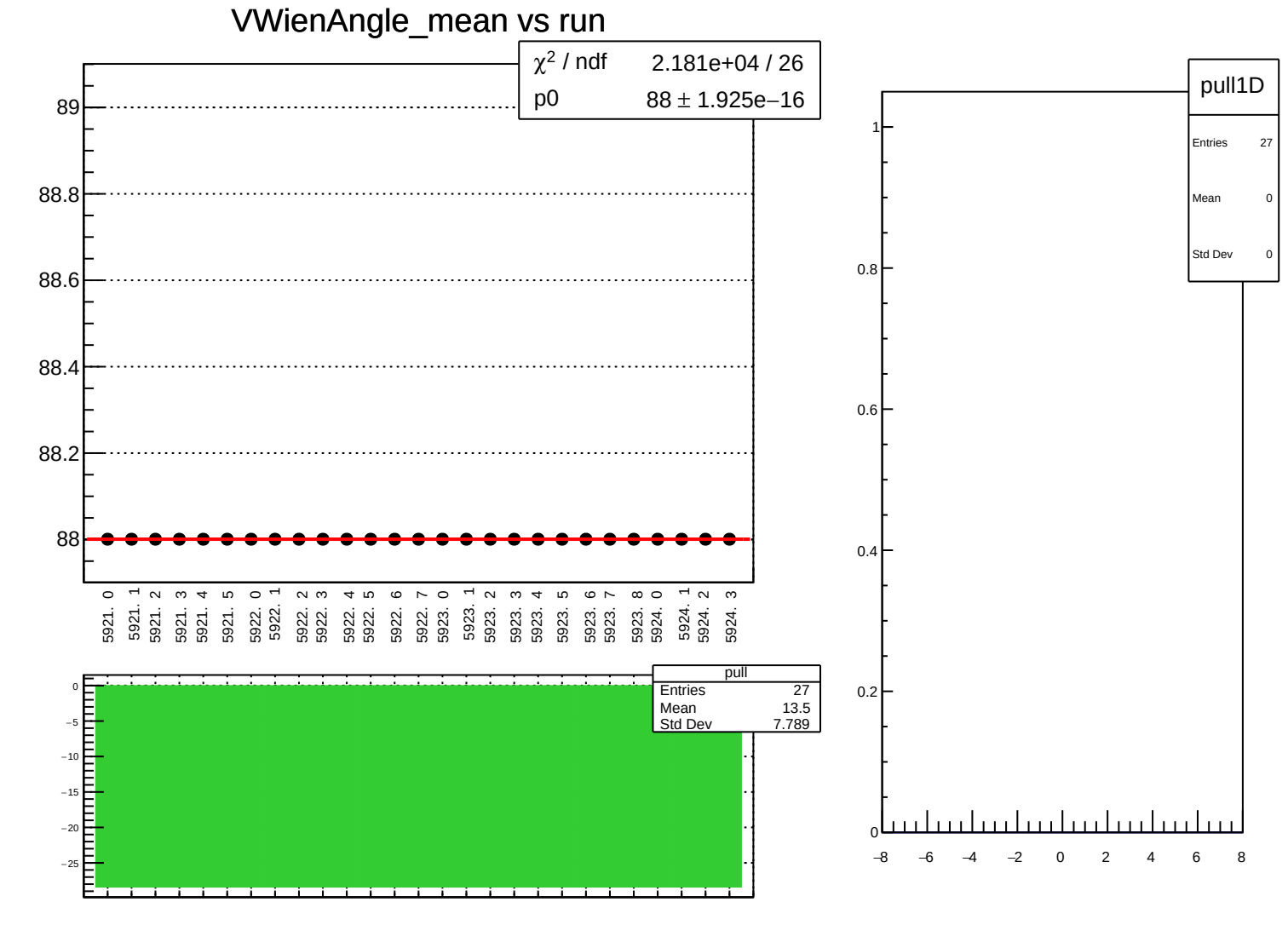

HacR_Q3_HP3458A_IOUT_mean vs run
χ² / ndf 6.568e+25 / 26
p0 977.7 ± 1.925e−16
977.751
977.75
977.749
977.748
977.747
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
×10⁹
2000
1000
0
−1000
−2000
pull
Entries 27
Mean 2.697e+08
Std Dev 0

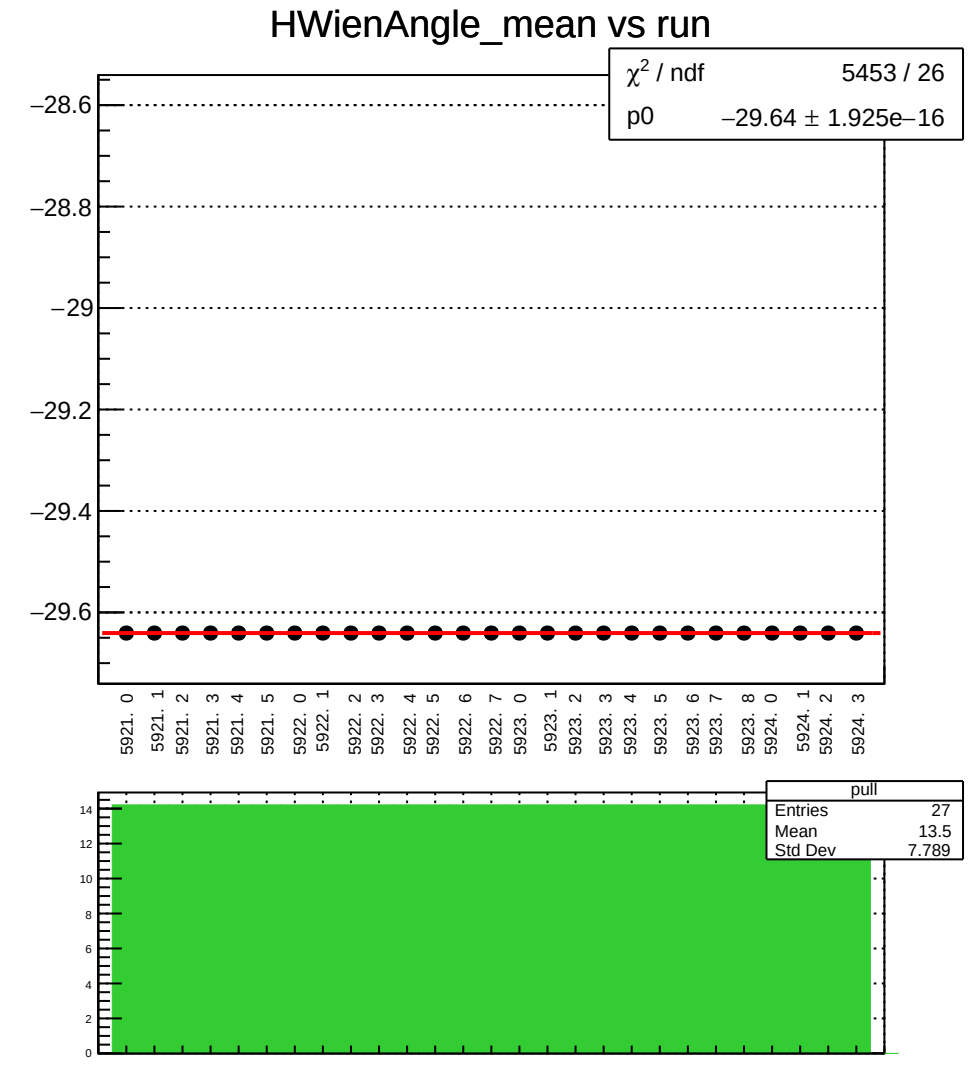

pull1D
Entries 27
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

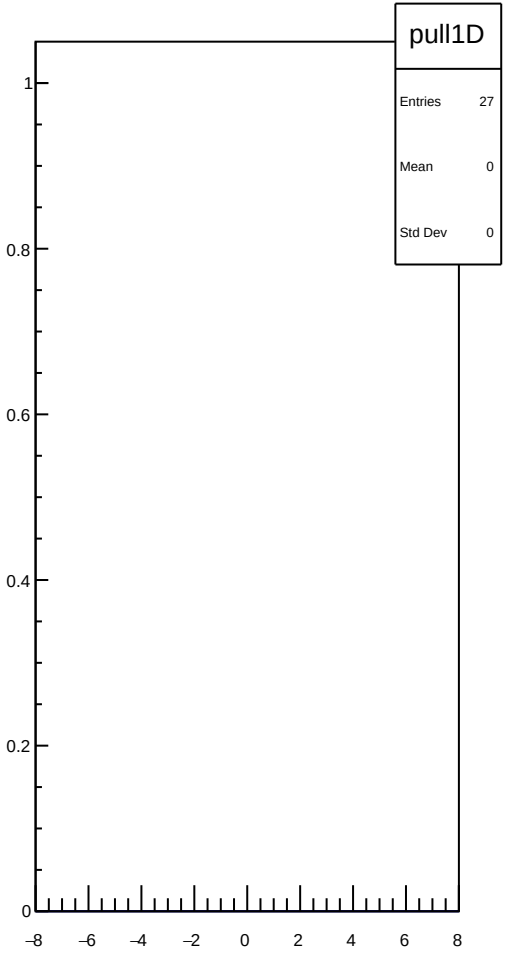

hesDipole_current_mean vs run
×10⁻³
χ² / ndf 0.000325 / 26
p0 0.009375 ± 1.925e−16
0000012
0000001
0000007
0000005
0000002
9.375
9999998
9999995
9999993
9999999
9999988
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 13.5
Std Dev 7.789
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
0
pull1D
Entries 27
Mean 0.003469
Std Dev 0
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

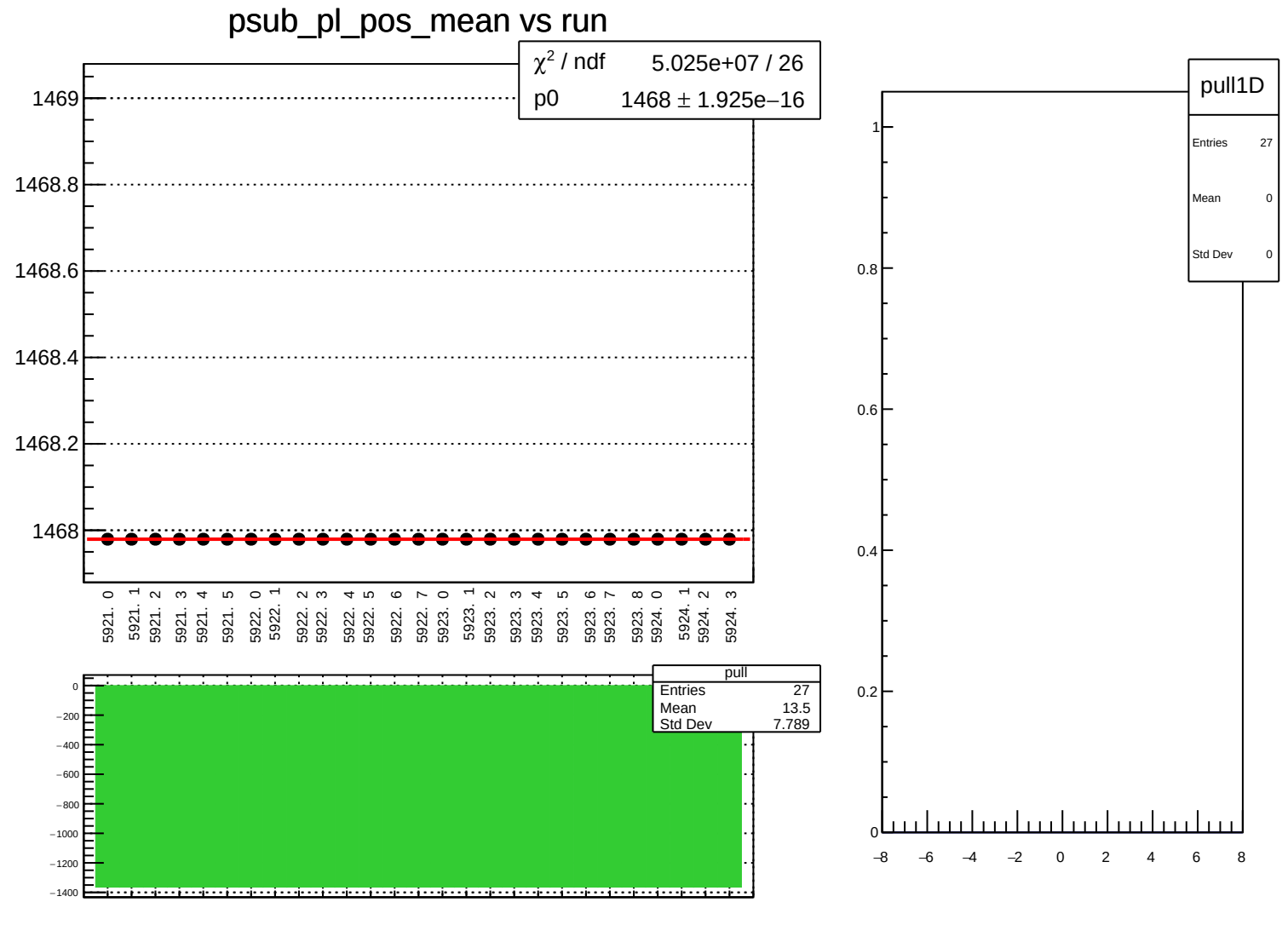

MSUPERBIGBITEreadcalc_mean vs run
χ² / ndf 0.000325 / 26
p0 0.009375 ± 1.925e−16
×10⁻³
0000012
0000001
0000007
0000005
0000002
9.375
9999998
9999995
9999993
9999999
9999988
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 13.5
Std Dev 7.789
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
0

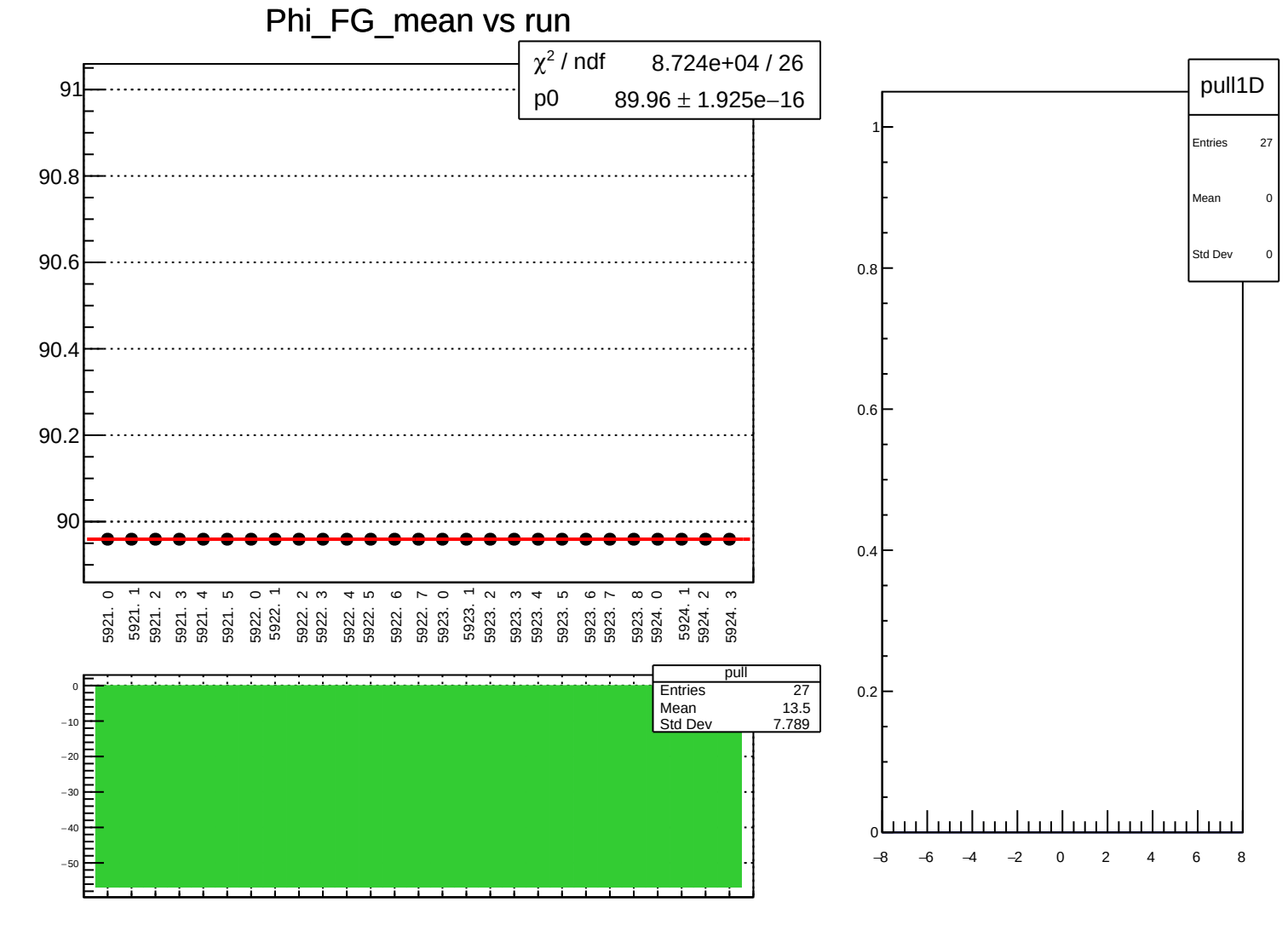

pull1D
Entries 27
Mean 0.003469
Std Dev 0
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

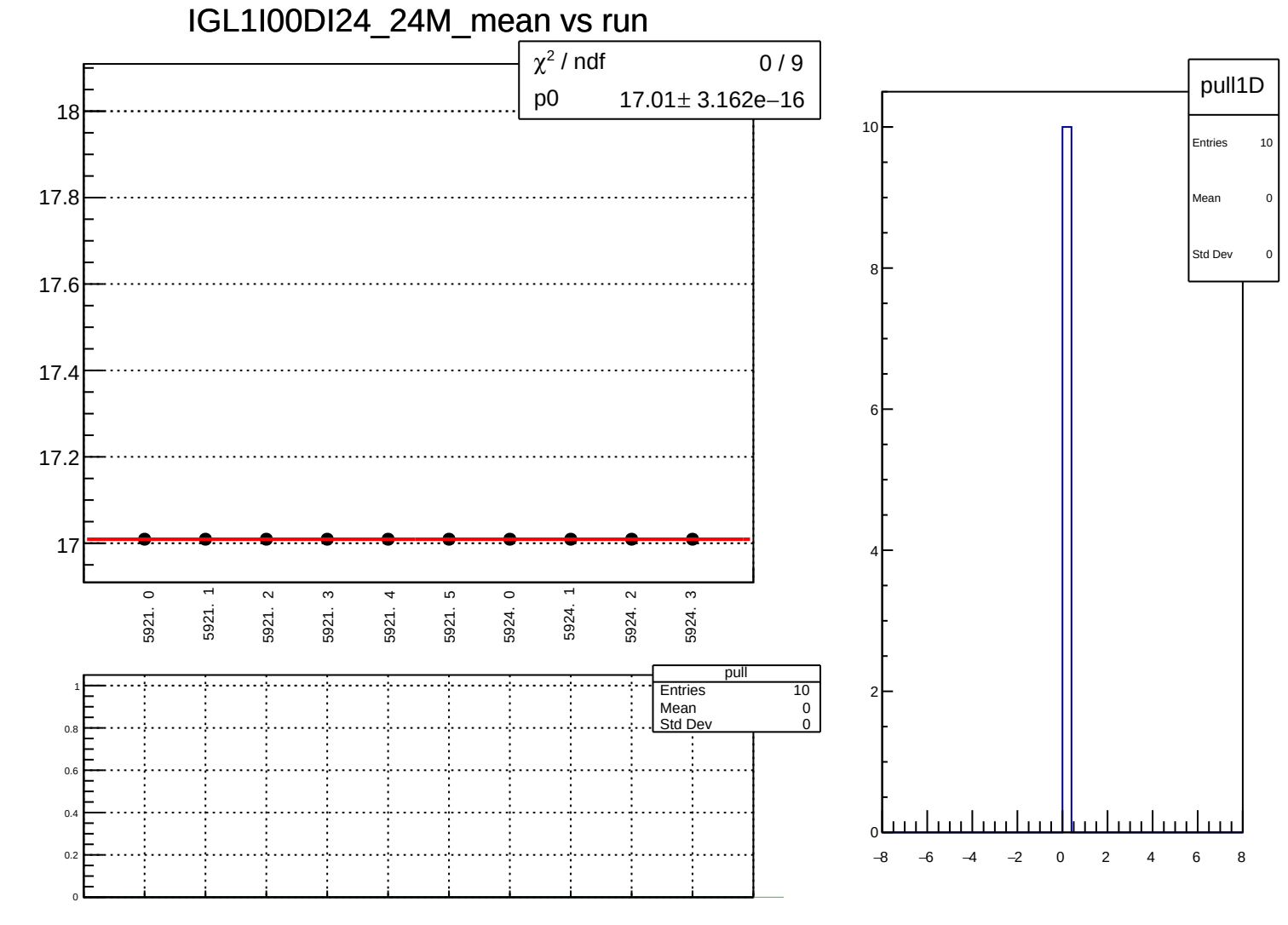

VWienAngle_mean vs run
χ² / ndf 2.181e+04 / 26
p0 88 ± 1.925e−16
89
88.8
88.6
88.4
88.2
88
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 13.5
Std Dev 7.789
0
−5
−10
−15
−20
−25
pull1D
Entries 27
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

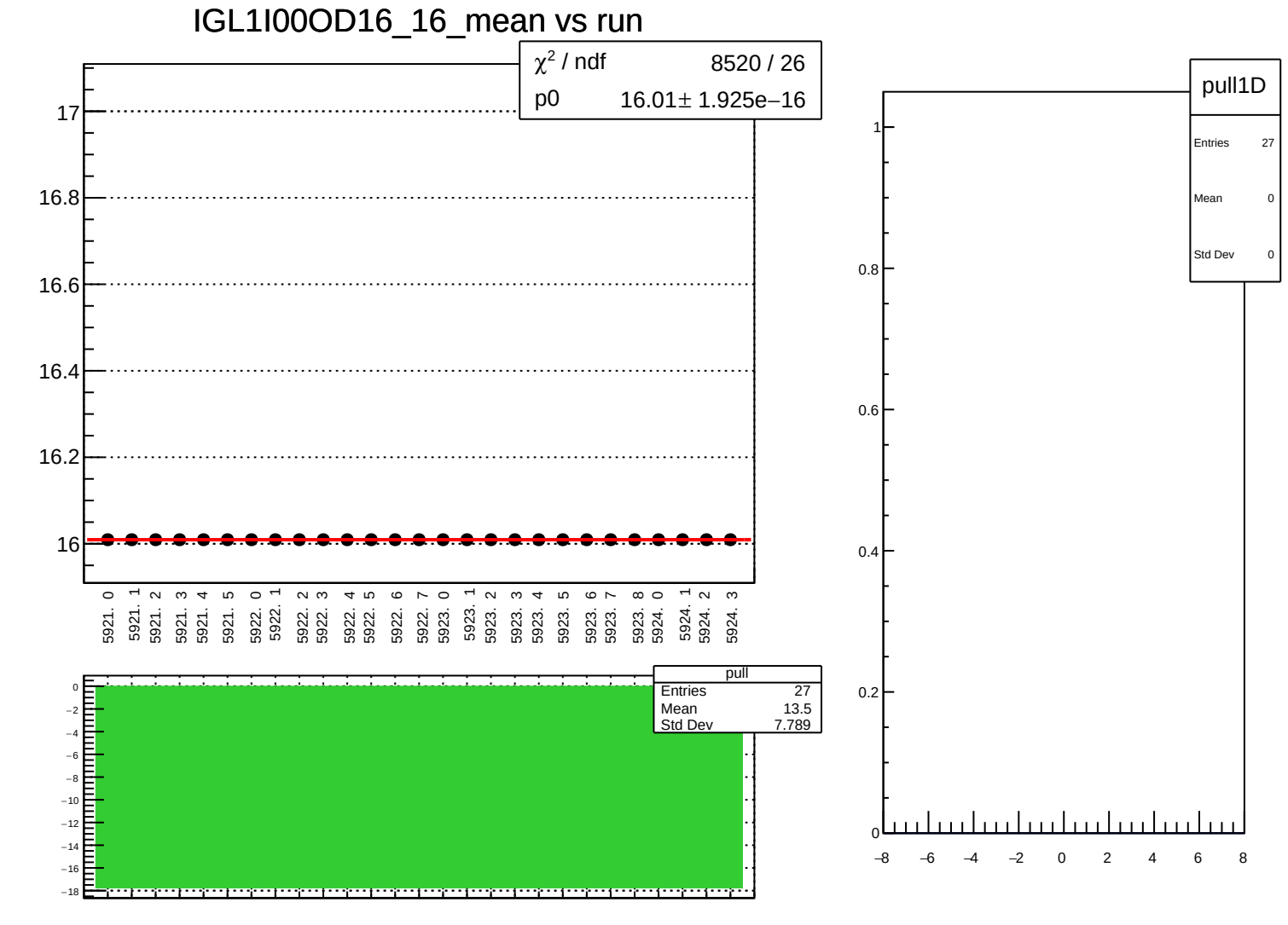

HWienAngle_mean vs run
χ² / ndf 5453 / 26
p0 −29.64 ± 1.925e−16
−28.6
−28.8
−29
−29.2
−29.4
−29.6
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 13.5
Std Dev 7.789
14
12
10
8
6
4
2
0

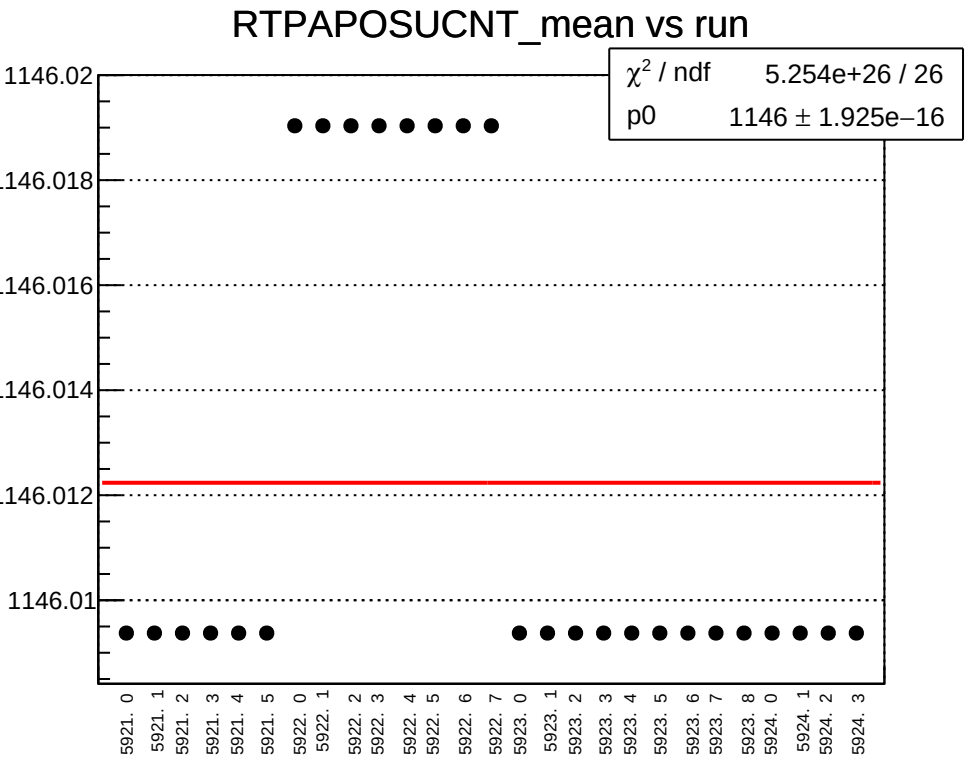

pull1D
Entries 27
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

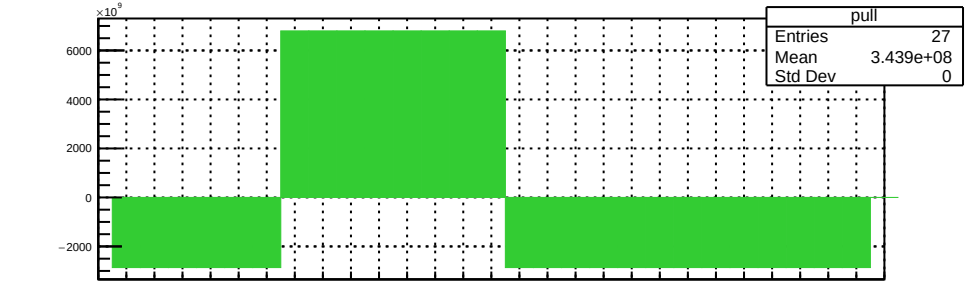

psub_pl_pos_mean vs run
χ² / ndf 5.025e+07 / 26
p0 1468 ± 1.925e−16
1469
1468.8
1468.6
1468.4
1468.2
1468
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 13.5
Std Dev 7.789
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 27
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

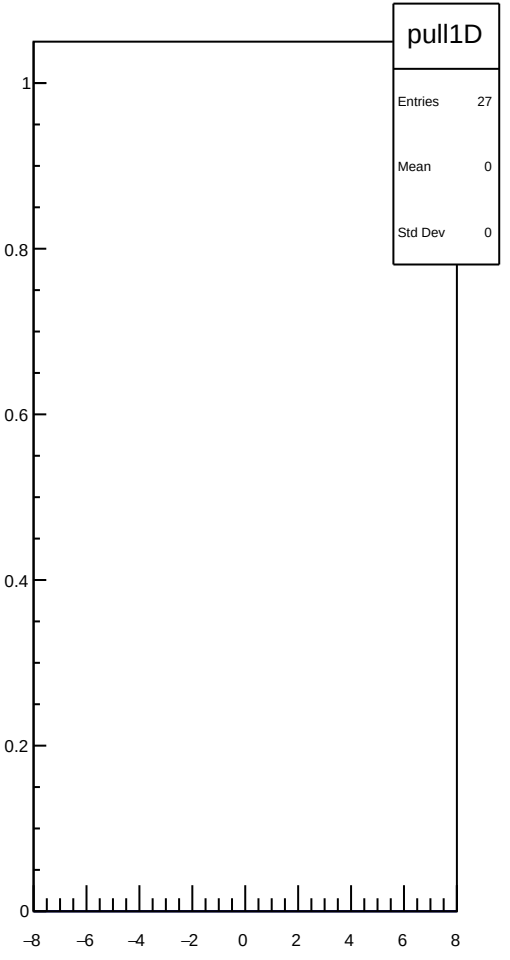

Phi_FG_mean vs run
χ² / ndf 8.724e+04 / 26
p0 89.96 ± 1.925e−16
91
90.8
90.6
90.4
90.2
90
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 13.5
Std Dev 7.789
0
−10
−20
−30
−40
−50
pull1D
Entries 27
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

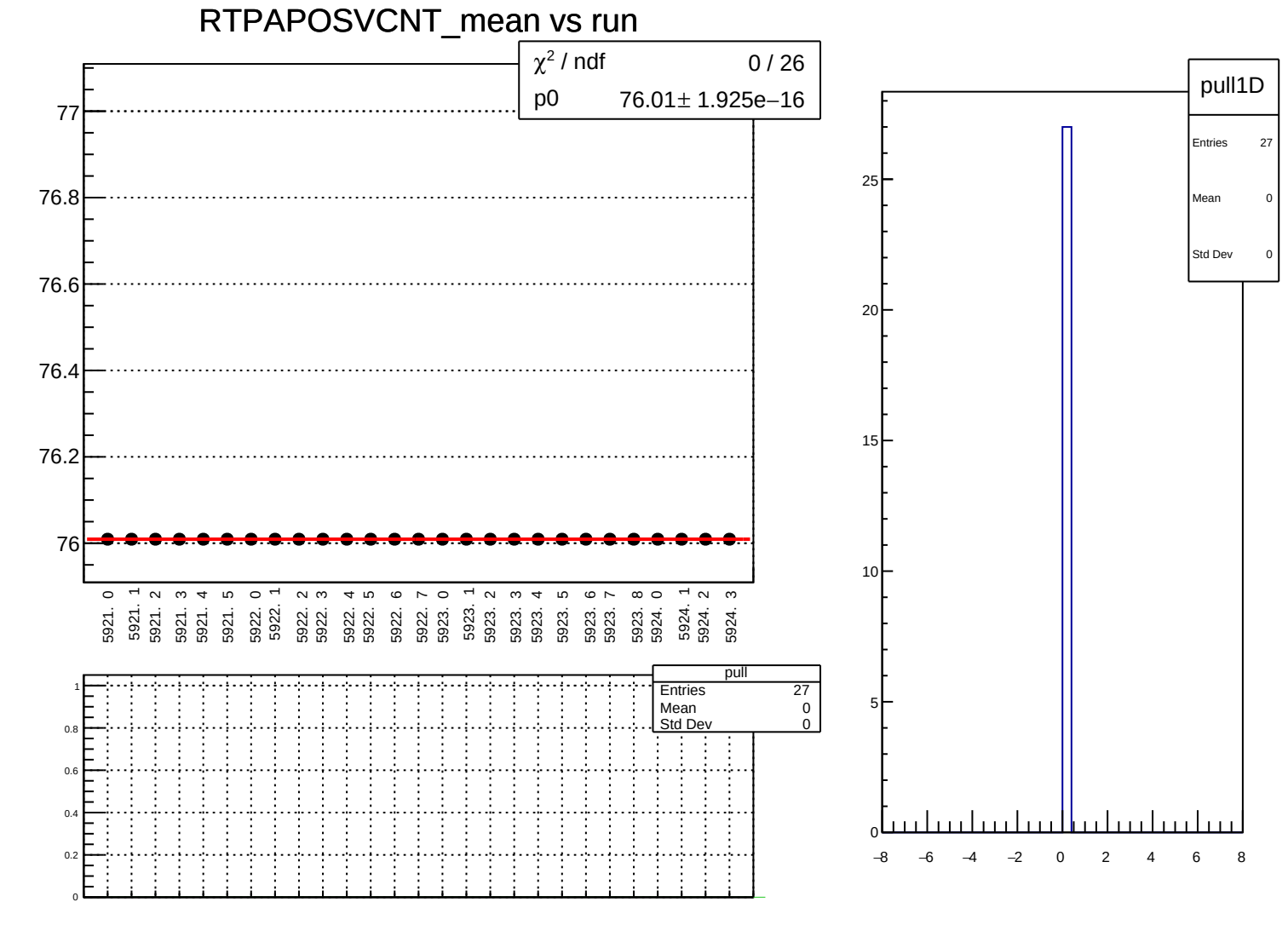

IGL1I00DI24_24M_mean vs run
χ² / ndf 0 / 9
p0 17.01± 3.162e−16
18
17.8
17.6
17.4
17.2
17
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 10
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 10
Mean 0
Std Dev 0
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

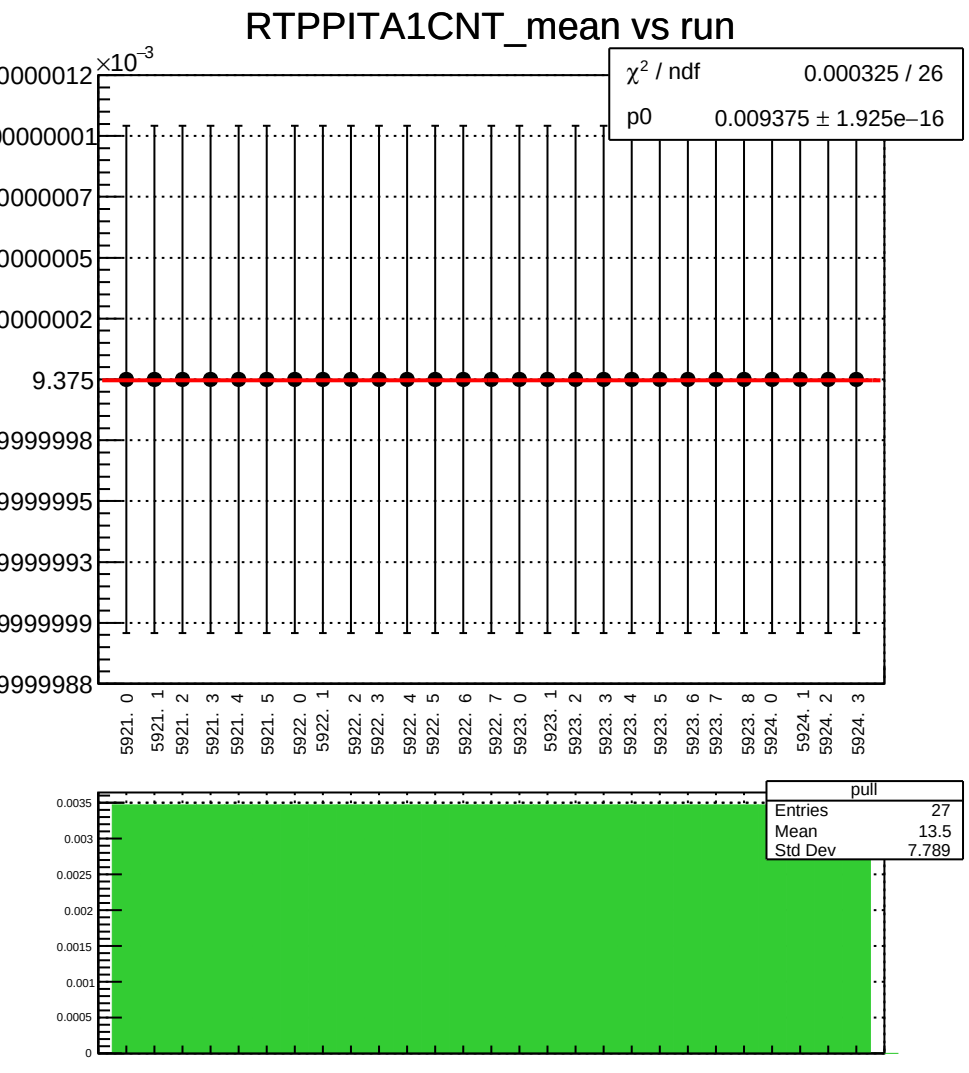

IGL1I00OD16_16_mean vs run
χ² / ndf 8520 / 26
p0 16.01± 1.925e−16
17
16.8
16.6
16.4
16.2
16
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 13.5
Std Dev 7.789
0
−2
−4
−6
−8
−10
−12
−14
−16
−18
pull1D
Entries 27
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

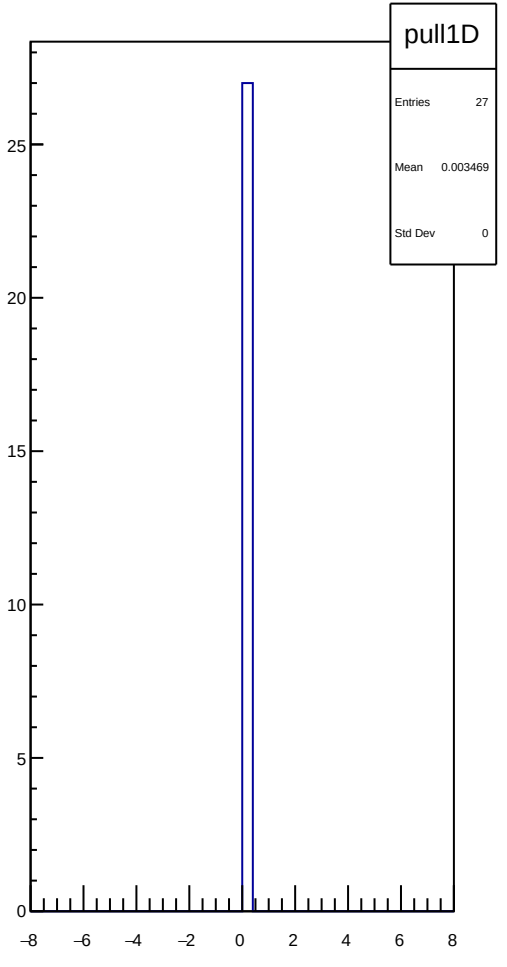

RTPAPOSUCNT_mean vs run
χ² / ndf 5.254e+26 / 26
p0 1146 ± 1.925e−16
1146.02
1146.018
1146.016
1146.014
1146.012
1146.01
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3

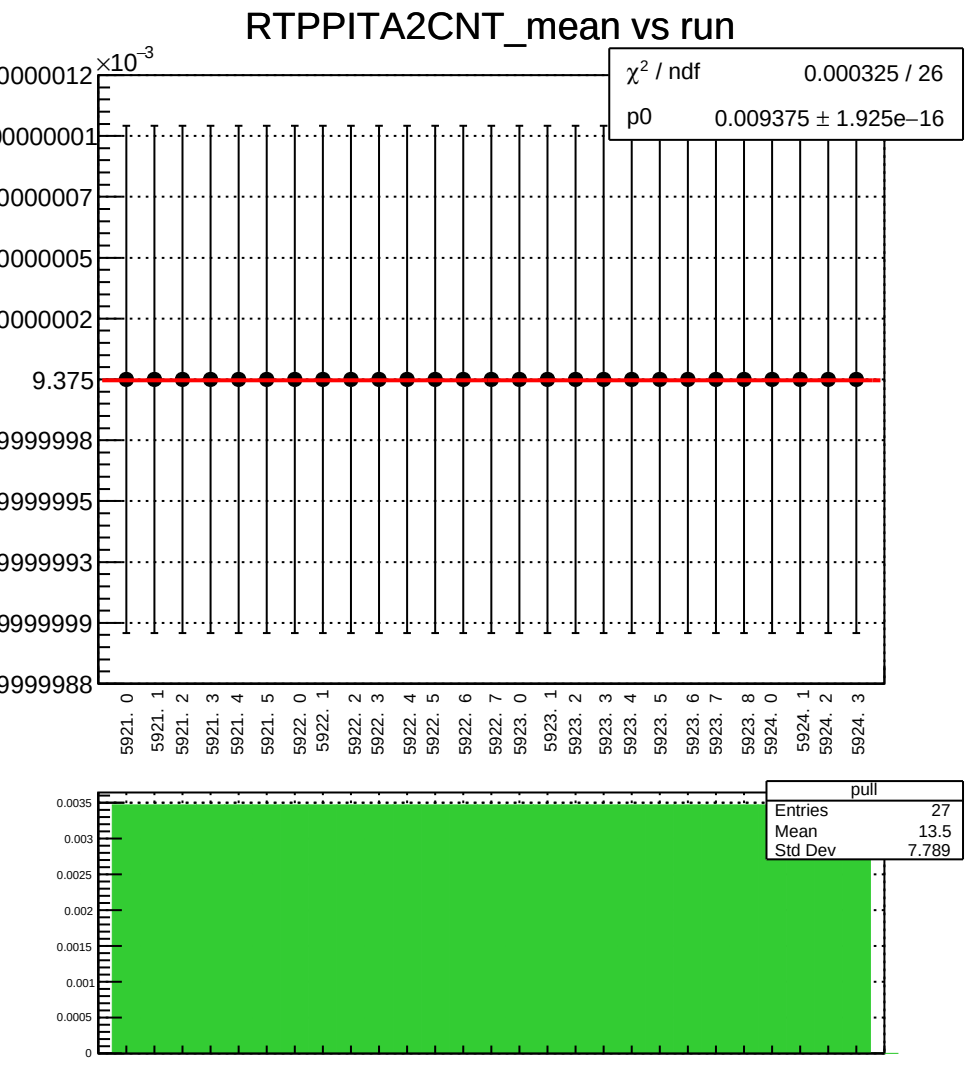

×10⁹
6000
4000
2000
0
−2000
pull
Entries 27
Mean 3.439e+08
Std Dev 0

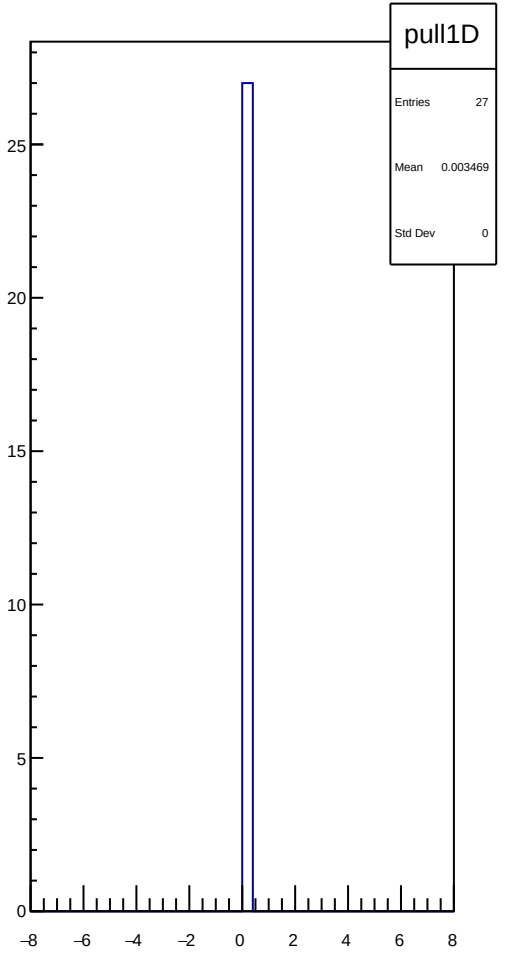

pull1D
Entries 27
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


RTPAPOSVCNT_mean vs run
χ² / ndf 0 / 26
p0 76.01± 1.925e−16
77
76.8
76.6
76.4
76.2
76
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 27
Mean 0
Std Dev 0
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


RTPPITA1CNT_mean vs run
χ² / ndf 0.000325 / 26
p0 0.009375 ± 1.925e−16
×10⁻³
0000012
0000001
0000007
0000005
0000002
9.375
9999998
9999995
9999993
9999999
9999988
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 13.5
Std Dev 7.789
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
0


pull1D
Entries 27
Mean 0.003469
Std Dev 0
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


RTPPITA2CNT_mean vs run
×10⁻³
χ² / ndf 0.000325 / 26
p0 0.009375 ± 1.925e−16
9.375
5921. 0
5921. 1
5921. 2
5921. 3
5921. 4
5921. 5
5922. 0
5922. 1
5922. 2
5922. 3
5922. 4
5922. 5
5922. 6
5922. 7
5923. 0
5923. 1
5923. 2
5923. 3
5923. 4
5923. 5
5923. 6
5923. 7
5923. 8
5924. 0
5924. 1
5924. 2
5924. 3
pull
Entries 27
Mean 13.5
Std Dev 7.789
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
0


pull1D
Entries 27
Mean 0.003469
Std Dev 0
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8