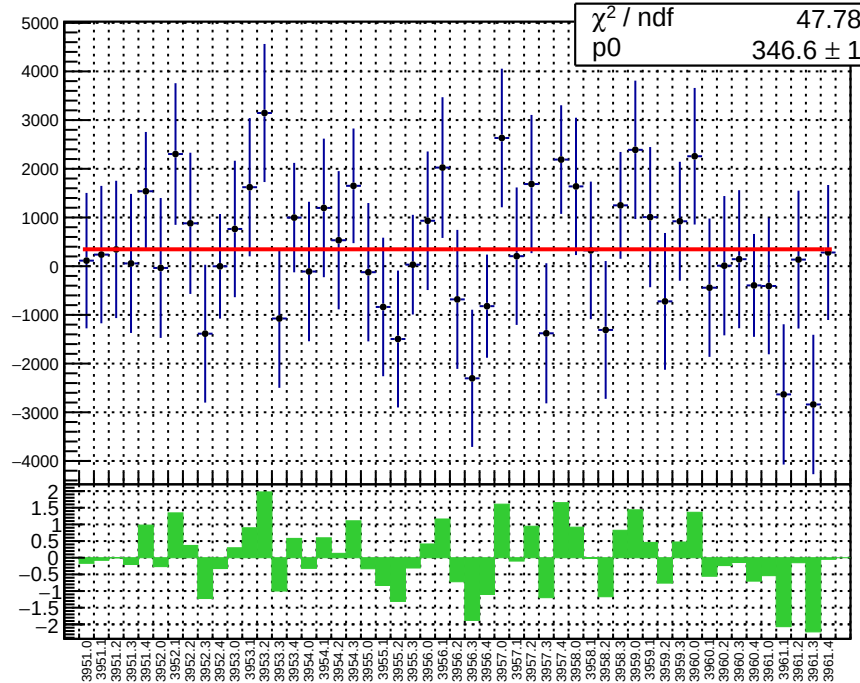
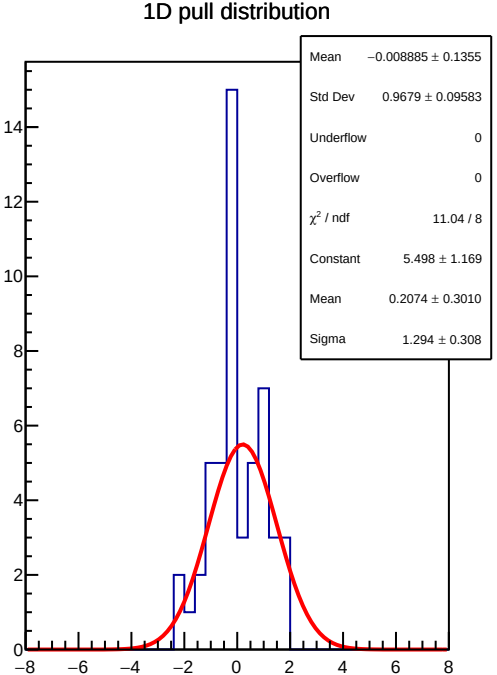
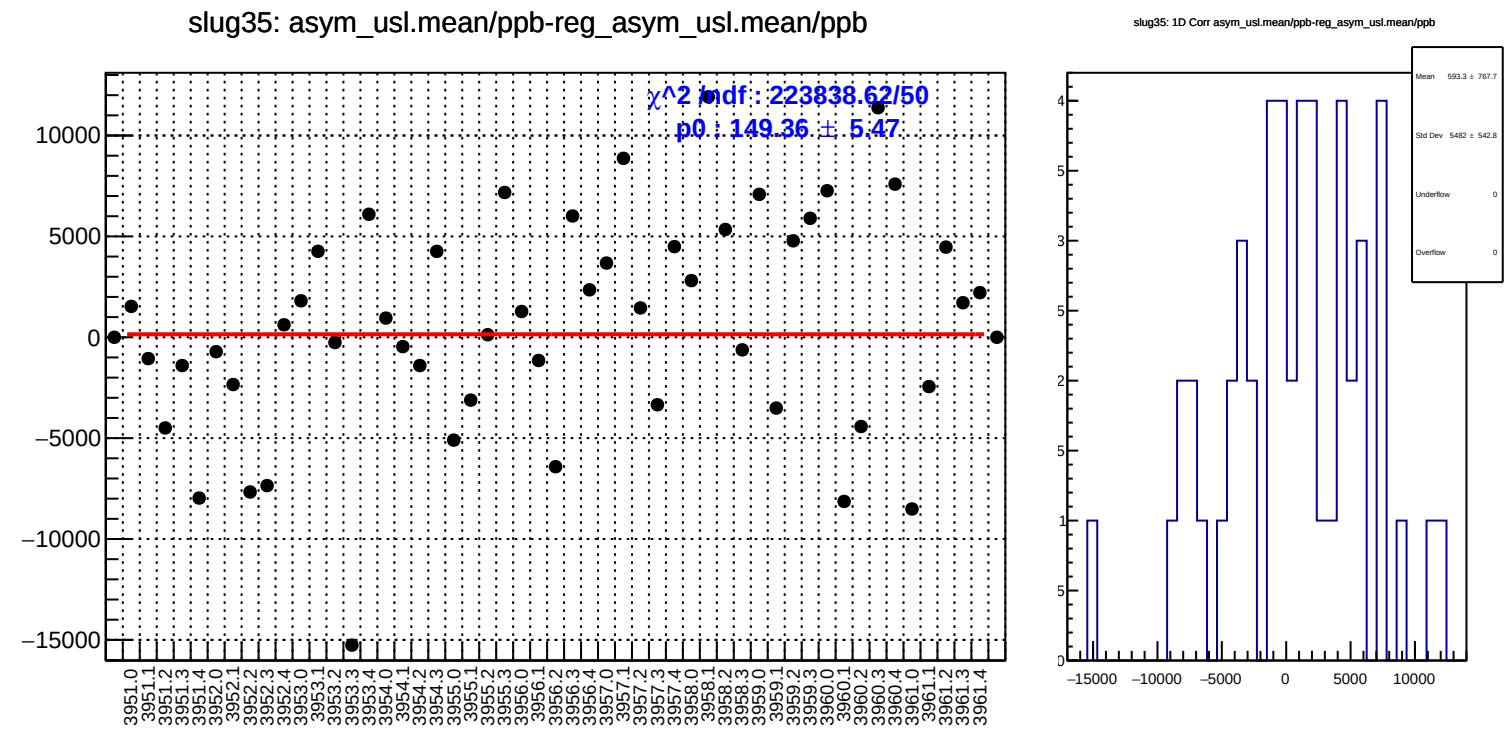
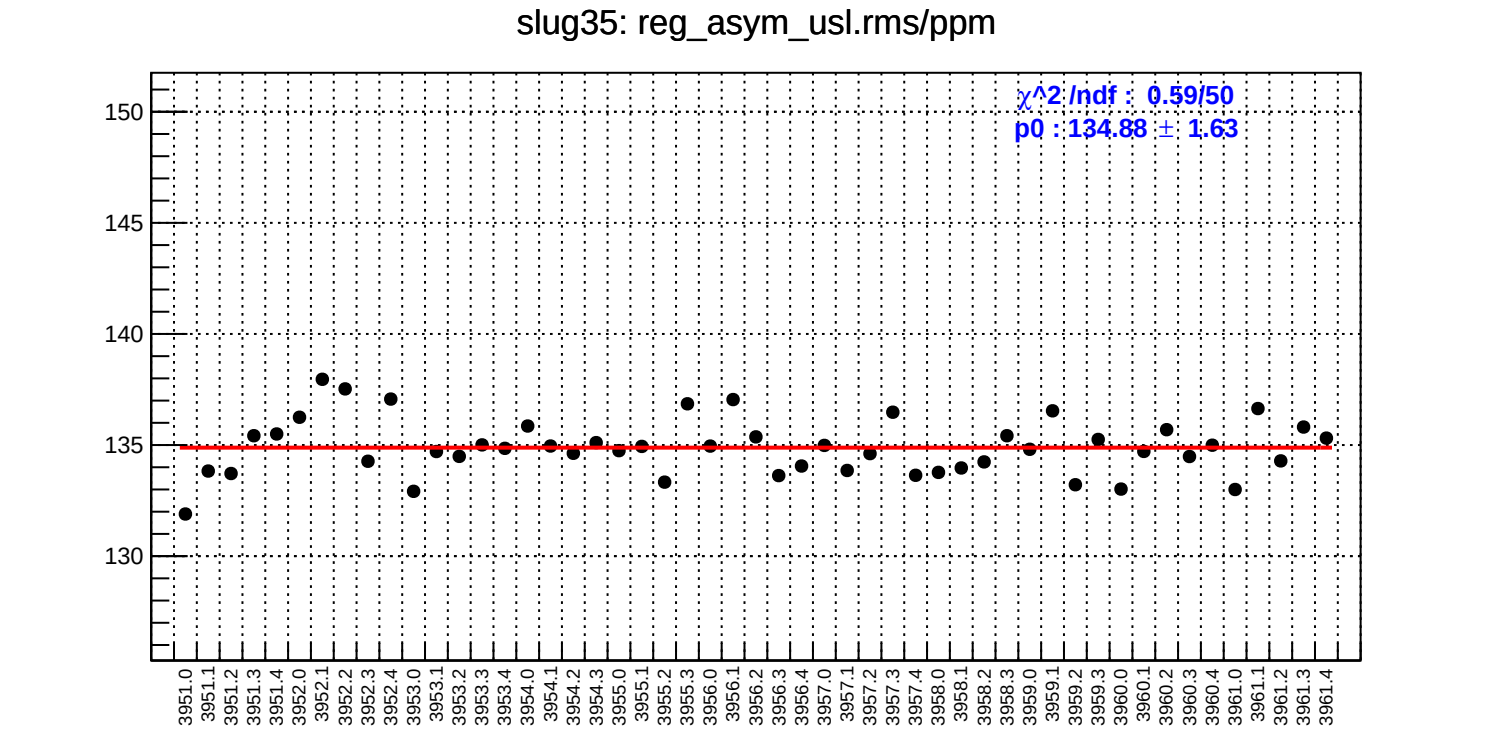

slug35: reg_asym_usl.mean/ppb
χ² / ndf 47.78 / 50
p0 346.6 ± 187.5


1D pull distribution
Mean −0.008885 ± 0.1355
Std Dev 0.9679 ± 0.09583
Underflow 0
Overflow 0
χ² / ndf 11.04 / 8
Constant 5.498 ± 1.169
Mean 0.2074 ± 0.3010
Sigma 1.294 ± 0.308


slug35: asym_usl.mean/ppb-reg_asym_usl.mean/ppb
χ^2 / ndf : 223838.62/50
p0 : 149.36 ± 5.47
10000
5000
0
−5000
−10000
−15000
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4
slug35: 1D Corr asym_usl.mean/ppb-reg_asym_usl.mean/ppb
Mean 593.3 ± 767.7
Std Dev 5482 ± 542.8
Underflow 0
Overflow 0
−15000
−10000
−5000
0
5000
10000


slug35: reg_asym_usl.rms/ppm
χ^2 /ndf : 0.59/50
p0 : 134.88 ± 1.63
150
145
140
135
130
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
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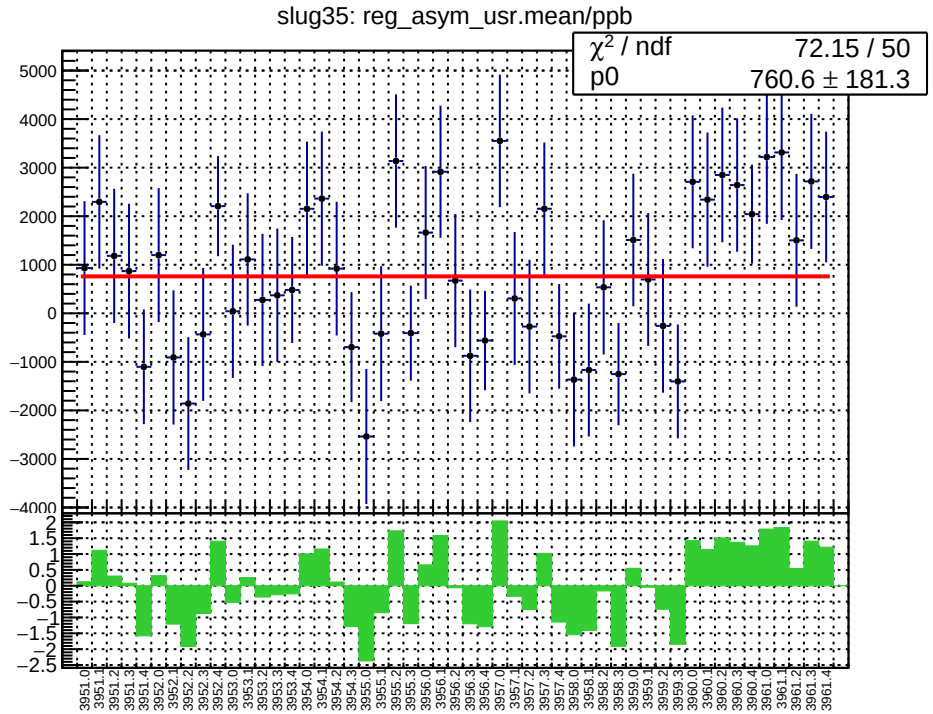
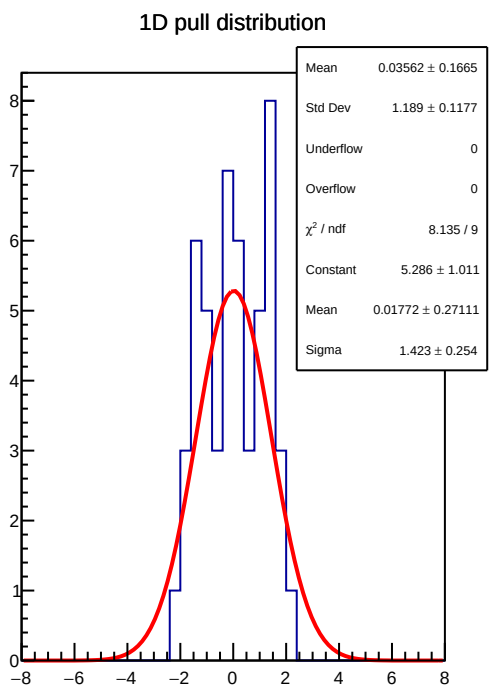
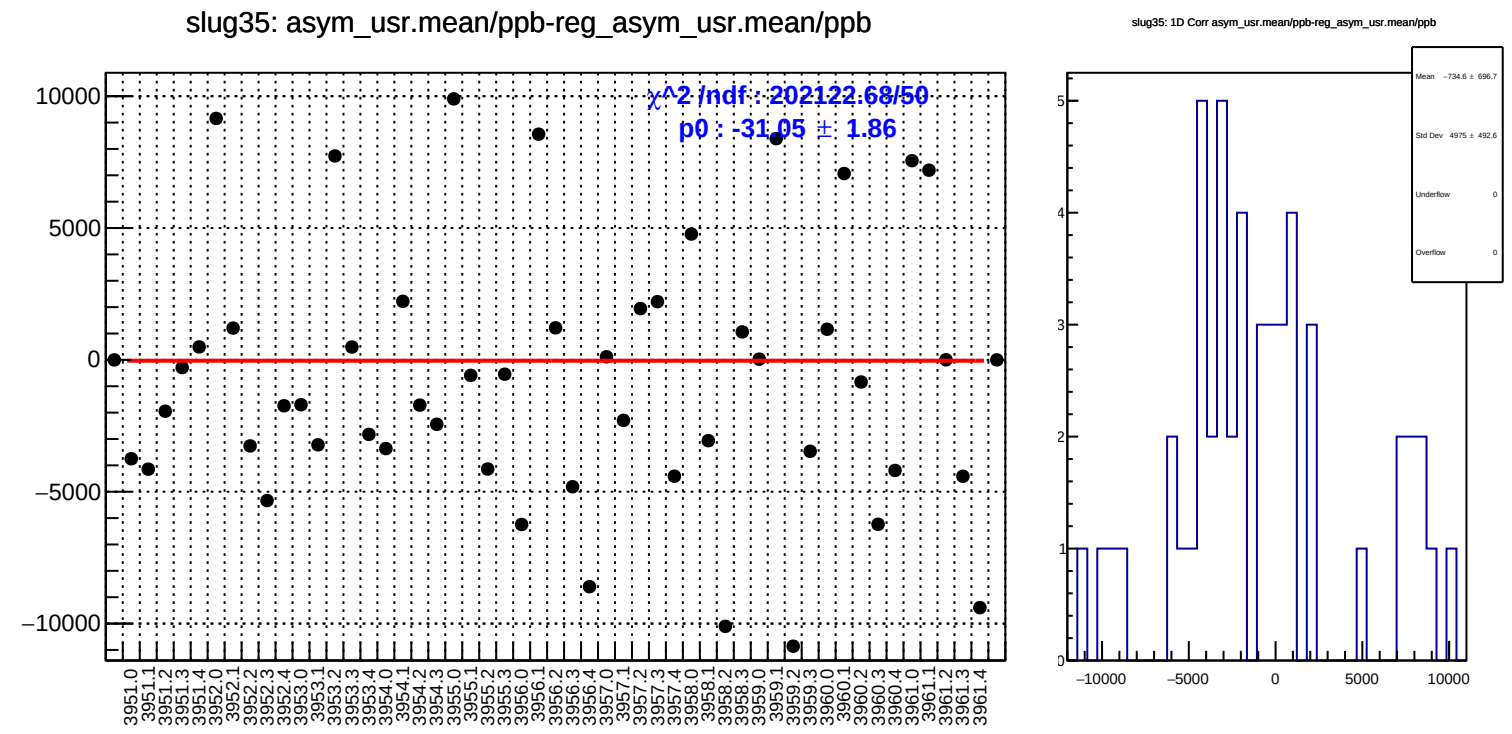
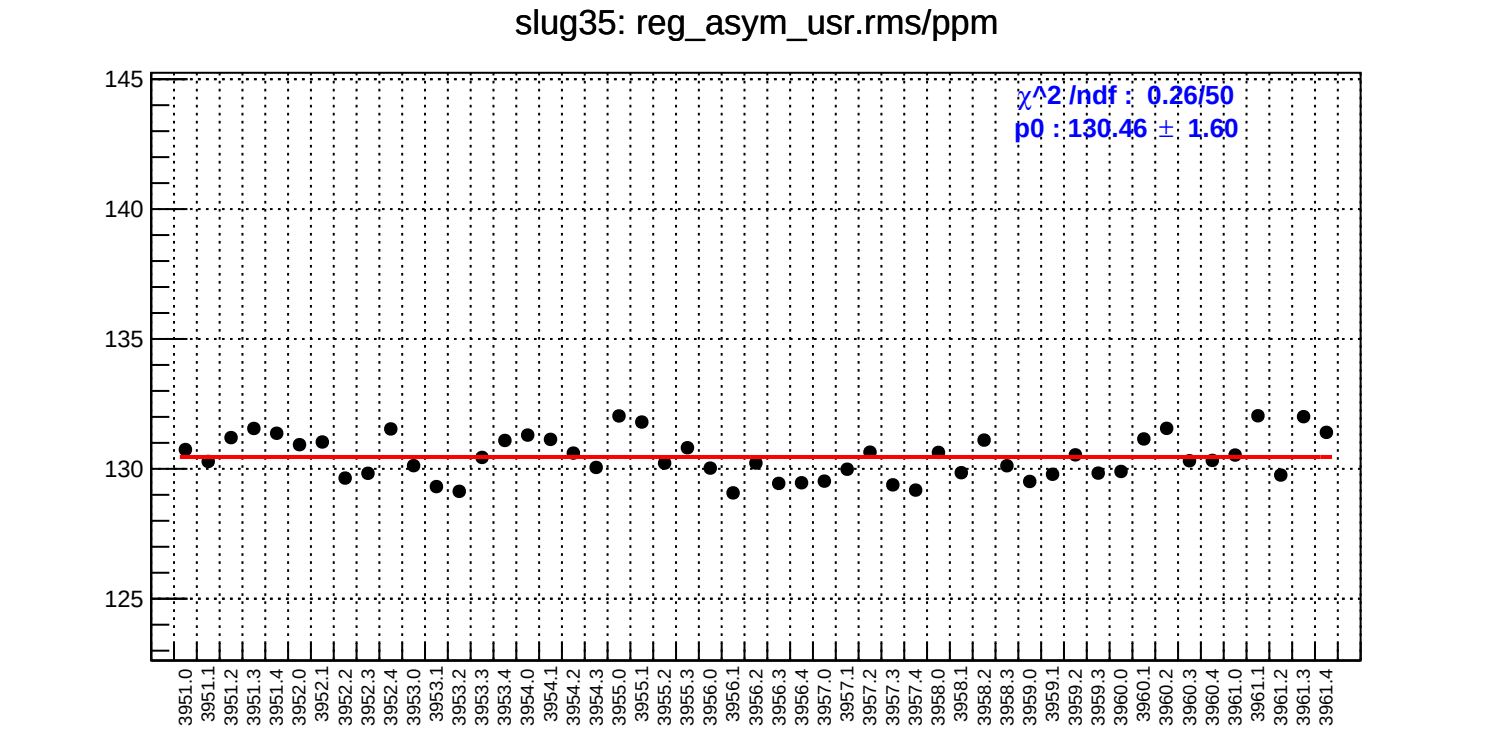
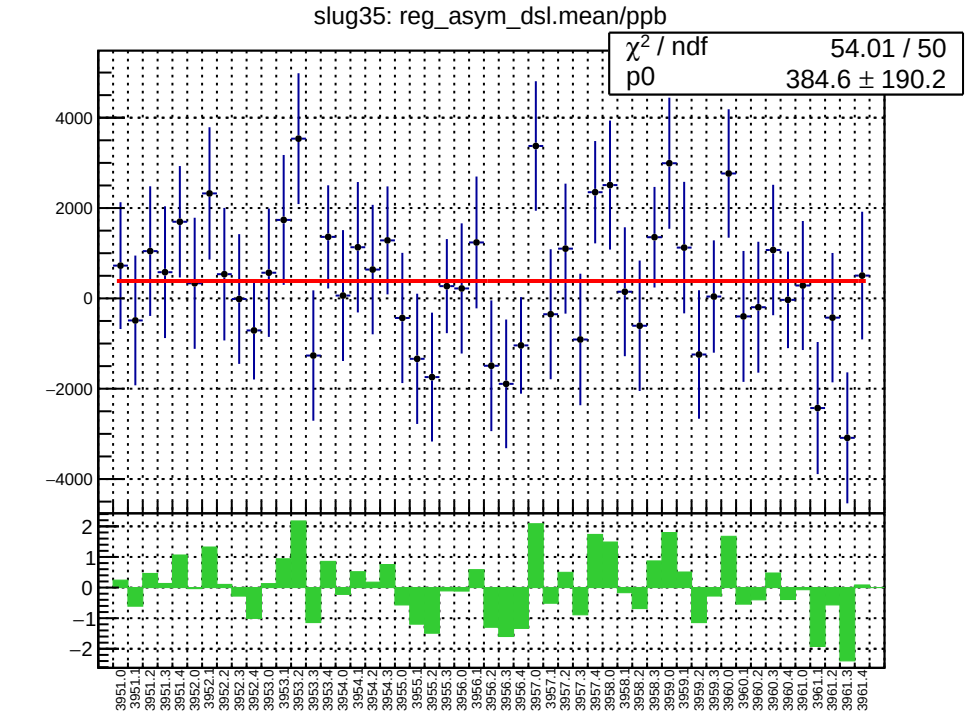
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

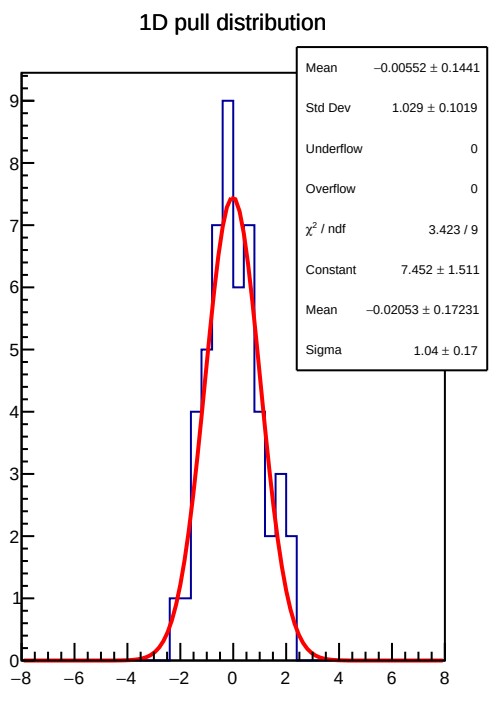

slug35: reg_asym_usr.mean/ppb
χ² / ndf 72.15 / 50
p0 760.6 ± 181.3

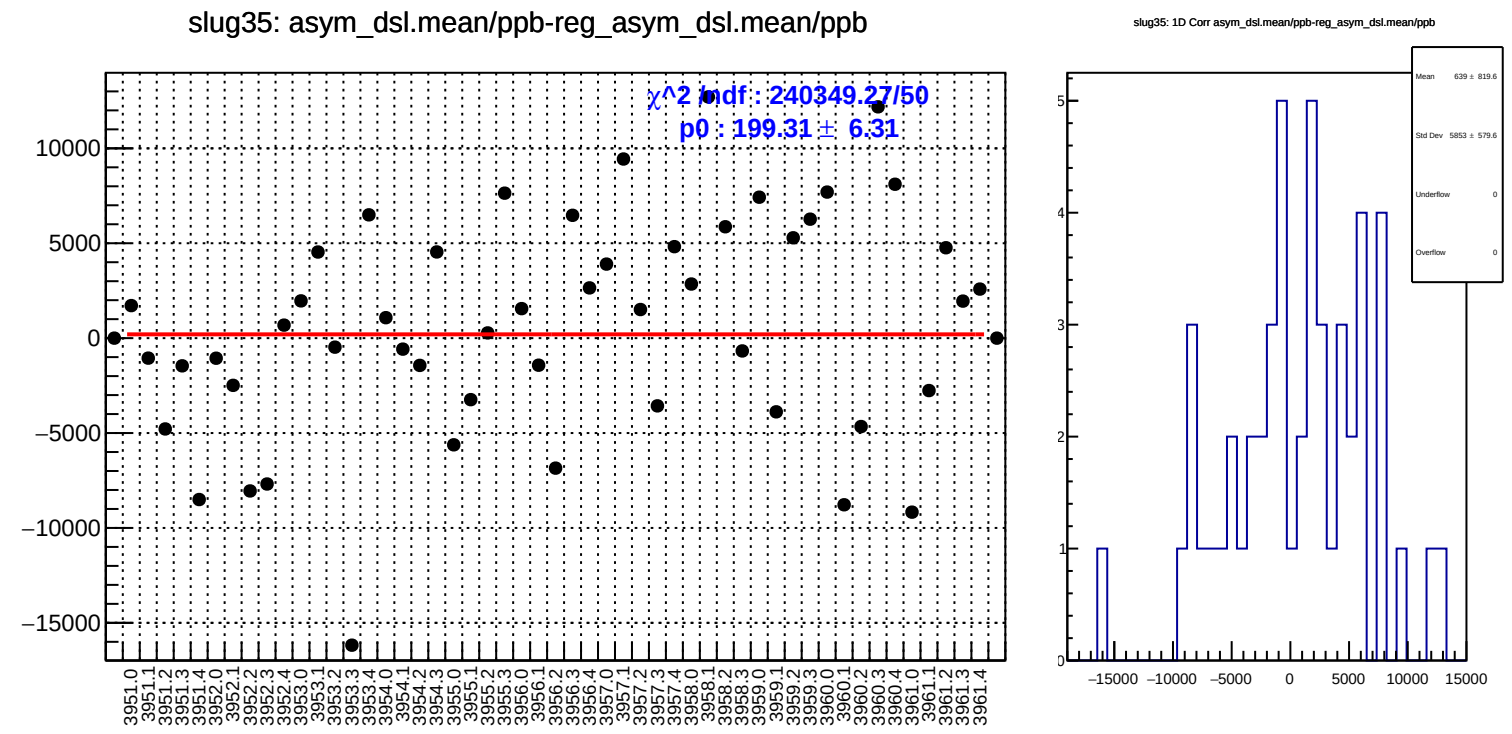

1D pull distribution
Mean 0.03562 ± 0.1665
Std Dev 1.189 ± 0.1177
Underflow 0
Overflow 0
χ² / ndf 8.135 / 9
Constant 5.286 ± 1.011
Mean 0.01772 ± 0.27111
Sigma 1.423 ± 0.254

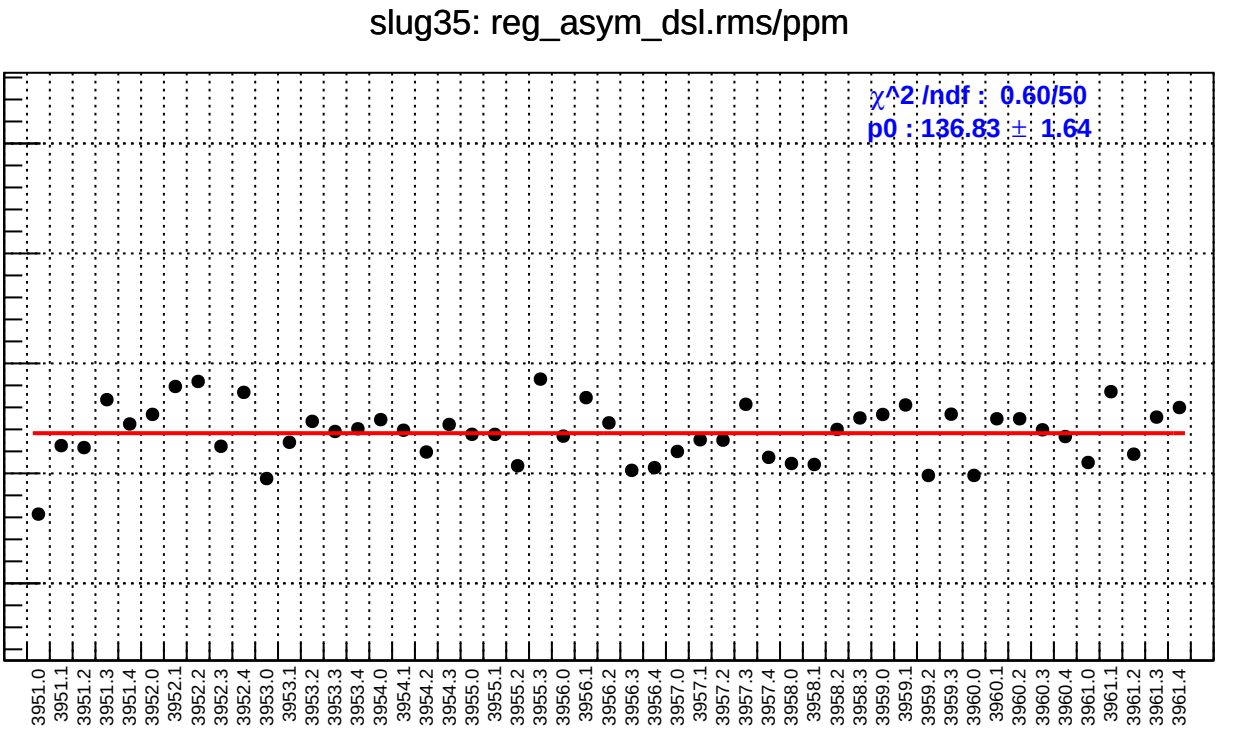

slug35: asym_usr.mean/ppb-reg_asym_usr.mean/ppb
χ^2 /ndf : 202122.68/50
p0 : -31.05 ± 1.86
10000
5000
0
−5000
−10000
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4
slug35: 1D Corr asym_usr.mean/ppb-reg_asym_usr.mean/ppb
Mean −734.6 ± 696.7
Std Dev 4975 ± 492.6
Underflow 0
Overflow 0
5
4
3
2
1
0
−10000
−5000
0
5000
10000


slug35: reg_asym_usr.rms/ppm
χ^2 /ndf : 0.26/50
p0 : 130.46 ± 1.60
145
140
135
130
125
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4


slug35: reg_asym_dsl.mean/ppb
χ² / ndf 54.01 / 50
p0 384.6 ± 190.2
4000
2000
0
−2000
−4000
2
1
0
−1
−2
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4


1D pull distribution
Mean −0.00552 ± 0.1441
Std Dev 1.029 ± 0.1019
Underflow 0
Overflow 0
χ² / ndf 3.423 / 9
Constant 7.452 ± 1.511
Mean −0.02053 ± 0.17231
Sigma 1.04 ± 0.17
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


slug35: asym_dsl.mean/ppb-reg_asym_dsl.mean/ppb
χ^2 / ndf : 240349.27/50
p0 : 199.31 ± 6.31
10000
5000
0
−5000
−10000
−15000
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4
slug35: 1D Corr asym_dsl.mean/ppb-reg_asym_dsl.mean/ppb
Mean 639 ± 819.6
Std Dev 5853 ± 579.6
Underflow 0
Overflow 0
5
4
3
2
1
0
−15000
−10000
−5000
0
5000
10000
15000


slug35: reg_asym_dsl.rms/ppm
χ^2 /ndf : 0.60/50
p0 : 136.83 ± 1.64
150
145
140
135
130
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
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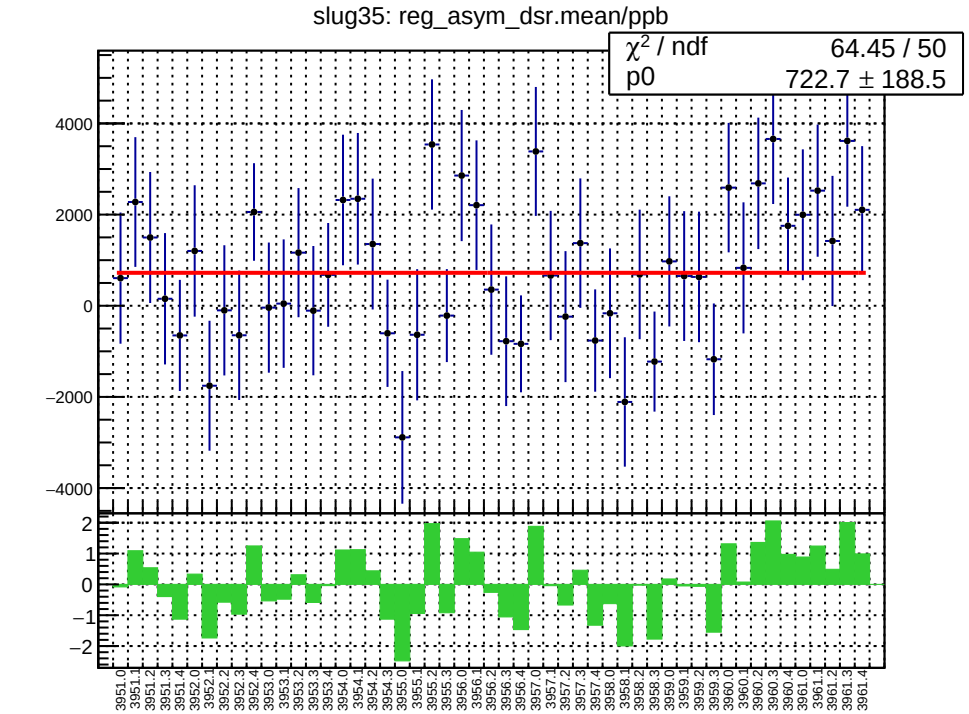
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4


slug35: reg_asym_dsr.mean/ppb
χ² / ndf 64.45 / 50
p0 722.7 ± 188.5
4000
2000
0
−2000
−4000
2
1
0
−1
−2
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
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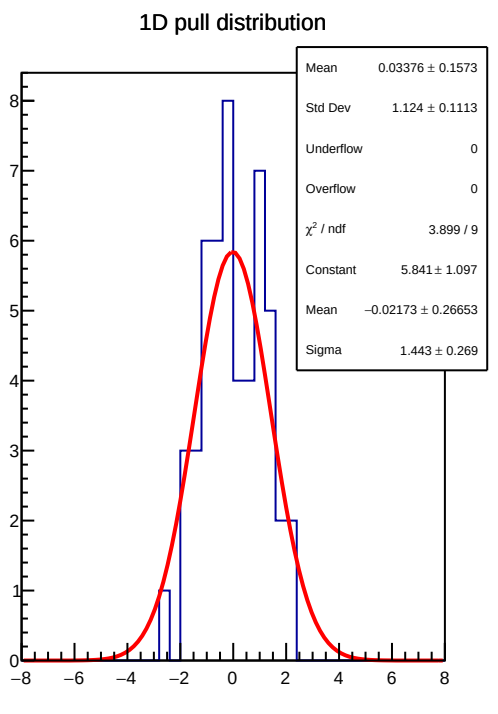
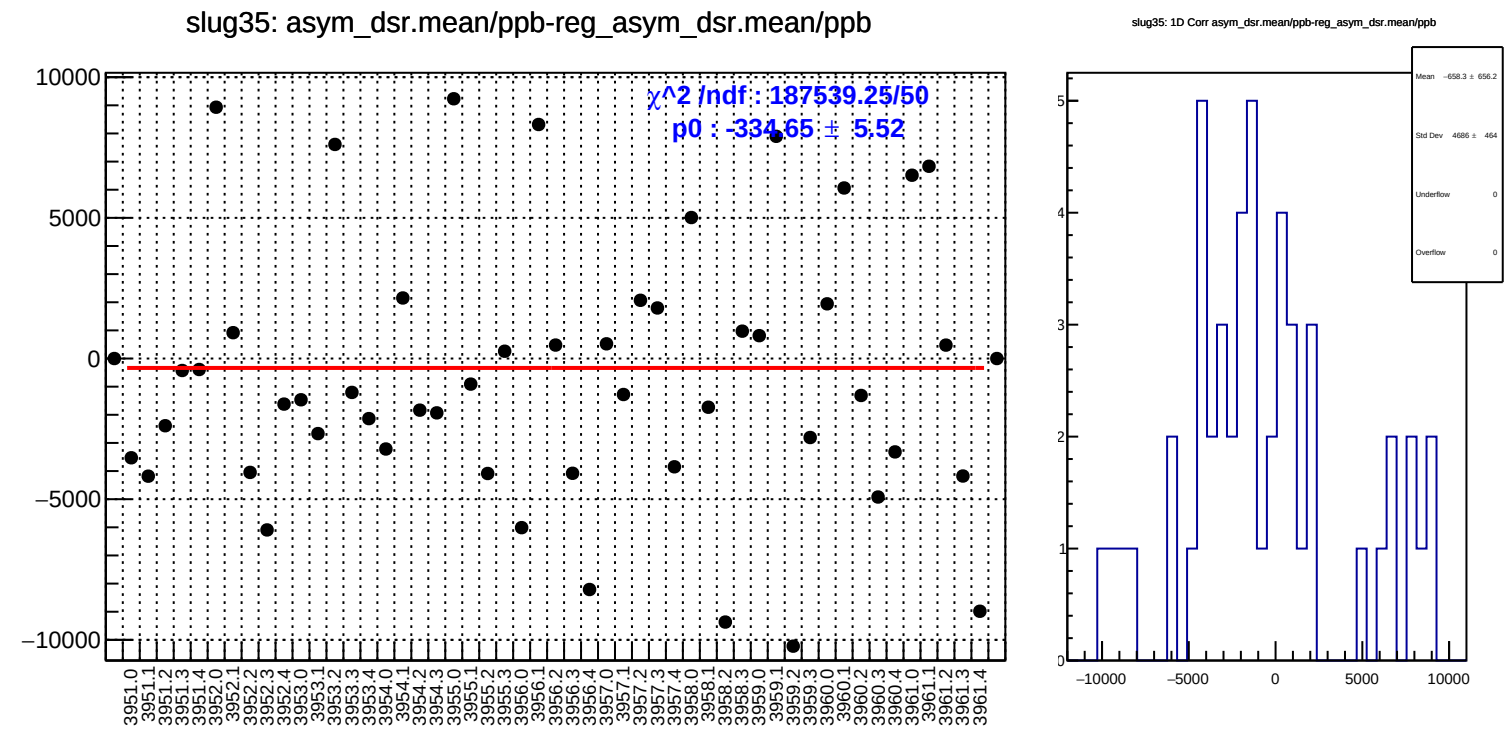
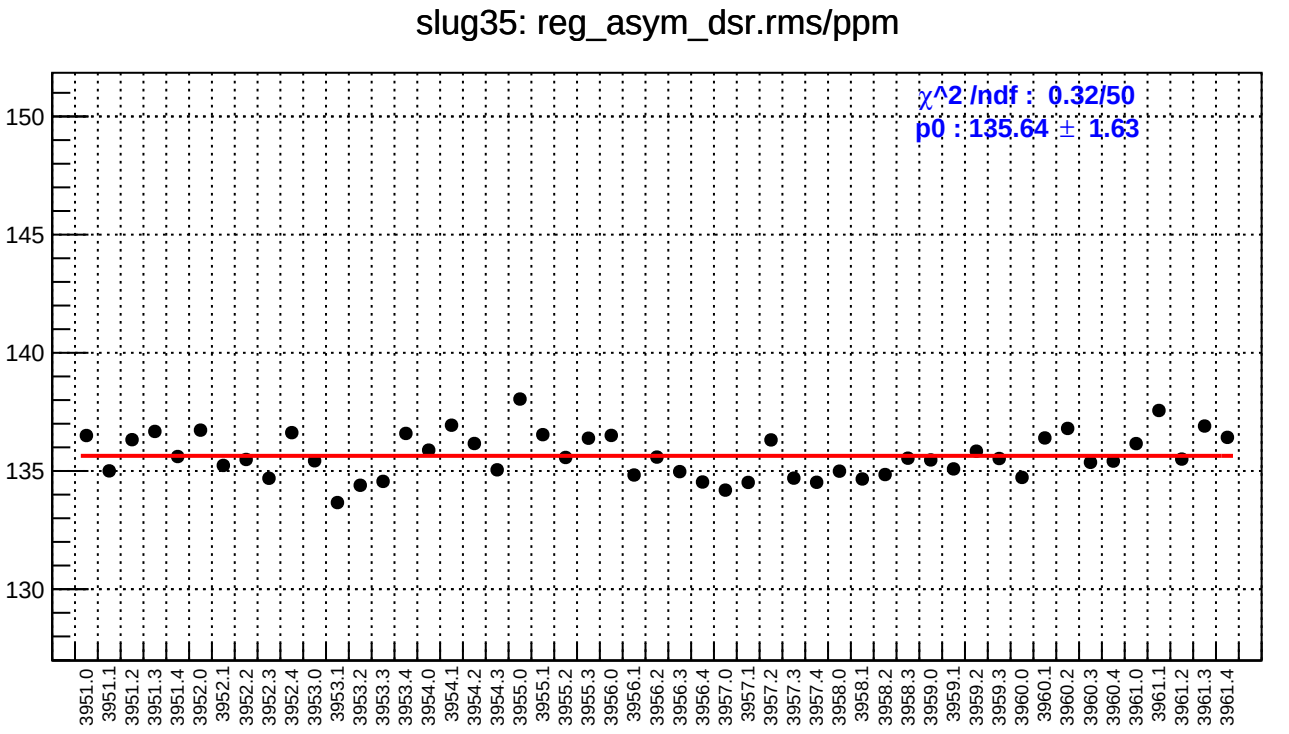
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4


1D pull distribution
Mean 0.03376 ± 0.1573
Std Dev 1.124 ± 0.1113
Underflow 0
Overflow 0
χ² / ndf 3.899 / 9
Constant 5.841 ± 1.097
Mean −0.02173 ± 0.26653
Sigma 1.443 ± 0.269
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


slug35: asym_dsr.mean/ppb-reg_asym_dsr.mean/ppb
χ^2 /ndf : 187539.25/50
p0 : -334.65 ± 5.52
10000
5000
0
−5000
−10000
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4
slug35: 1D Corr asym_dsr.mean/ppb-reg_asym_dsr.mean/ppb
Mean −658.3 ± 656.2
Std Dev 4686 ± 464
Underflow 0
Overflow 0
5
4
3
2
1
0
−10000
−5000
0
5000
10000


slug35: reg_asym_dsr.rms/ppm
χ^2 /ndf : 0.32/50
p0 : 135.64 ± 1.63
150
145
140
135
130
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
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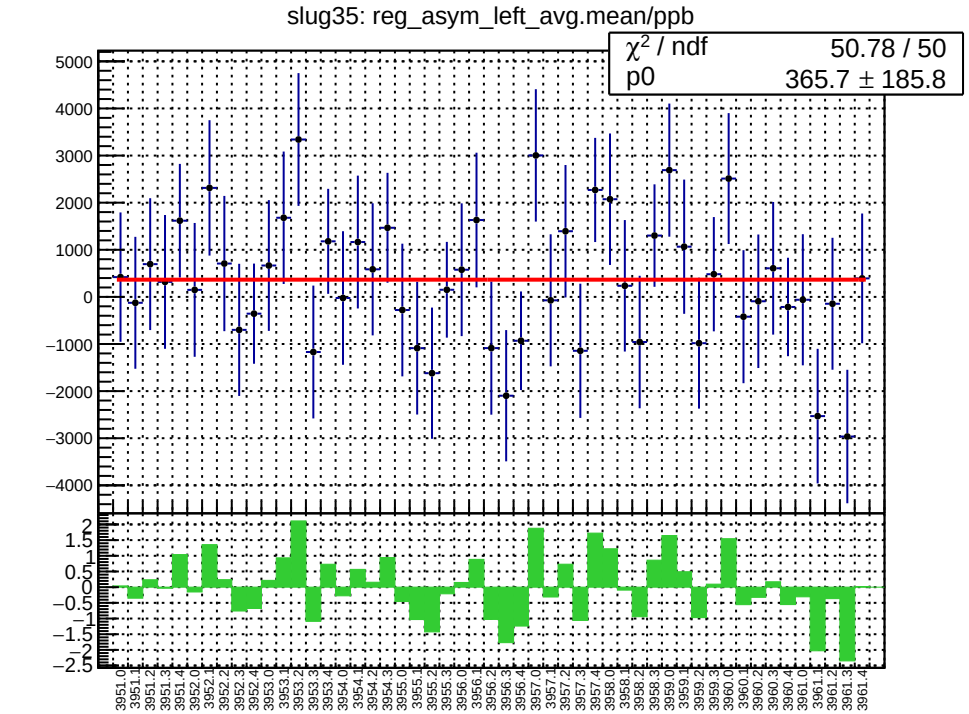
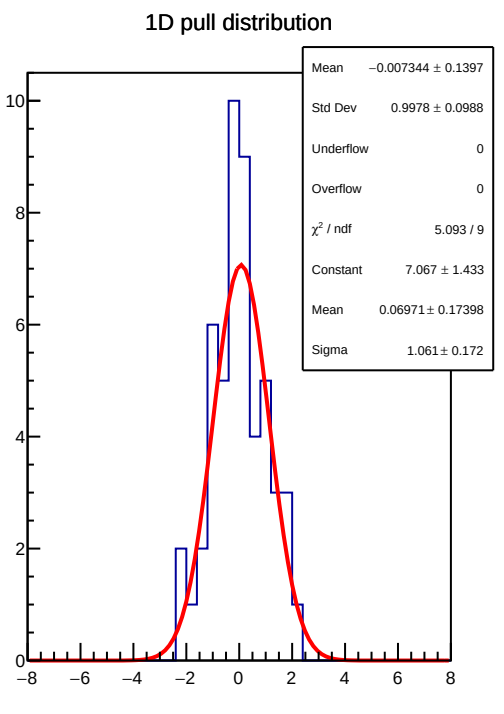
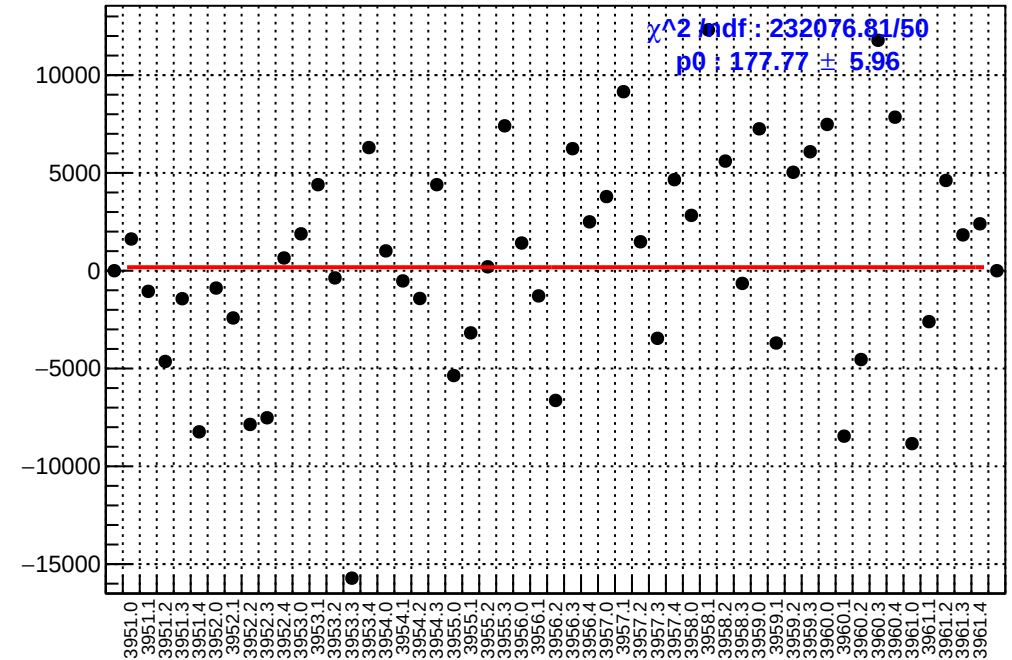
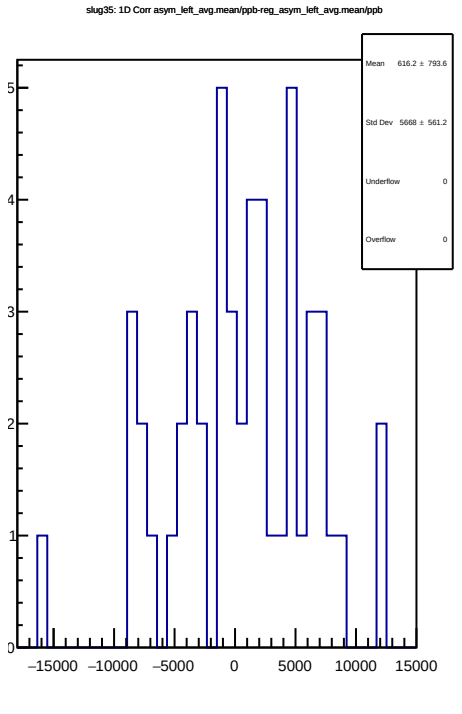
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

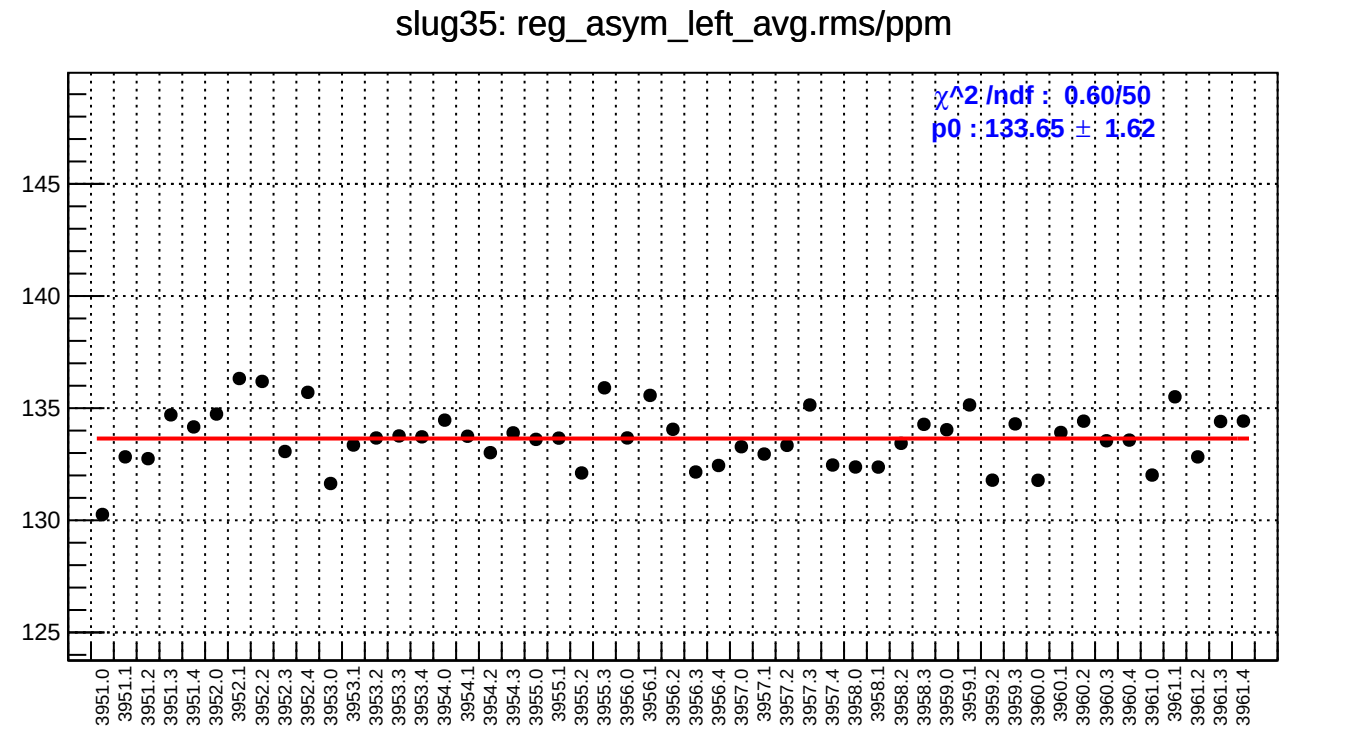

slug35: reg_asym_left_avg.mean/ppb
χ² / ndf 50.78 / 50
p0 365.7 ± 185.8


1D pull distribution
Mean −0.007344 ± 0.1397
Std Dev 0.9978 ± 0.0988
Underflow 0
Overflow 0
χ² / ndf 5.093 / 9
Constant 7.067 ± 1.433
Mean 0.06971 ± 0.17398
Sigma 1.061 ± 0.172

slug35: asym_left_avg.mean/ppb-reg_asym_left_avg.mean/ppb






slug35: reg_asym_left_avg.rms/ppm
χ^2 /ndf : 0.60/50
p0 : 133.65 ± 1.62
145
140
135
130
125
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
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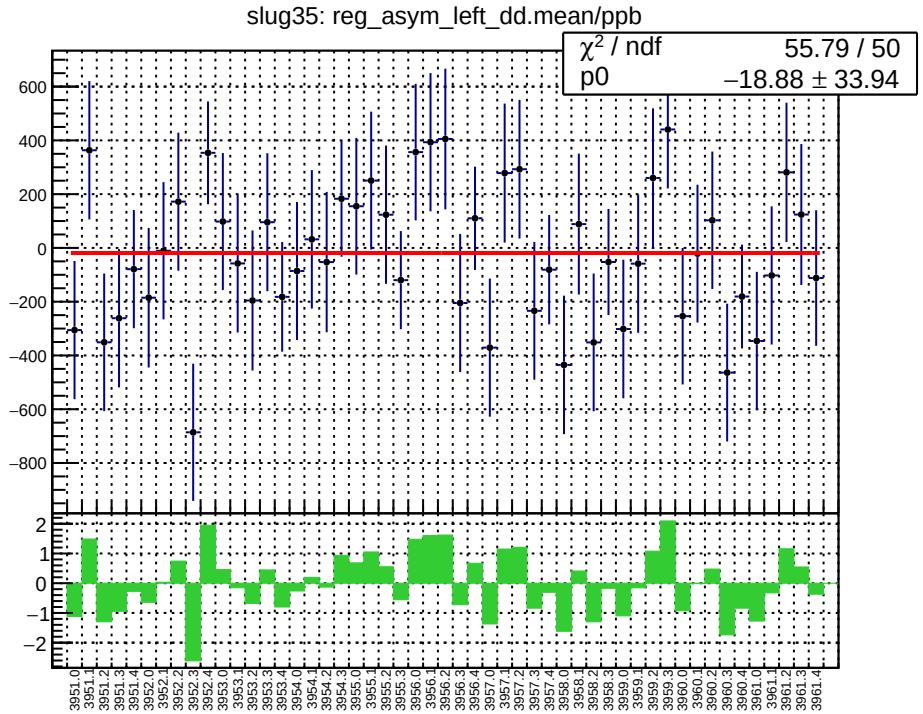
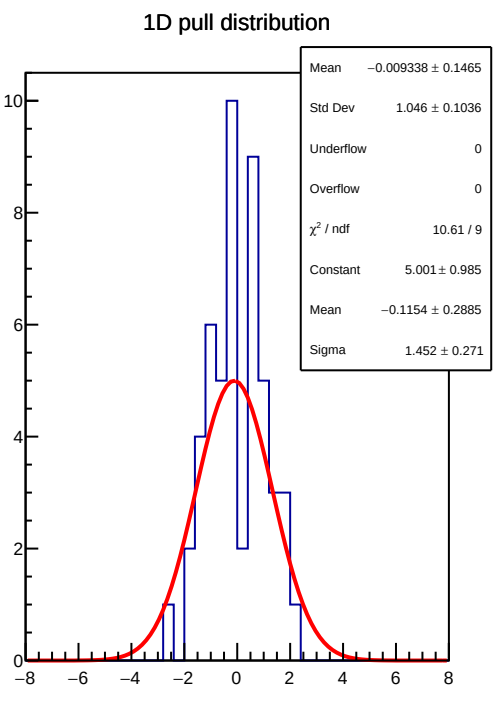
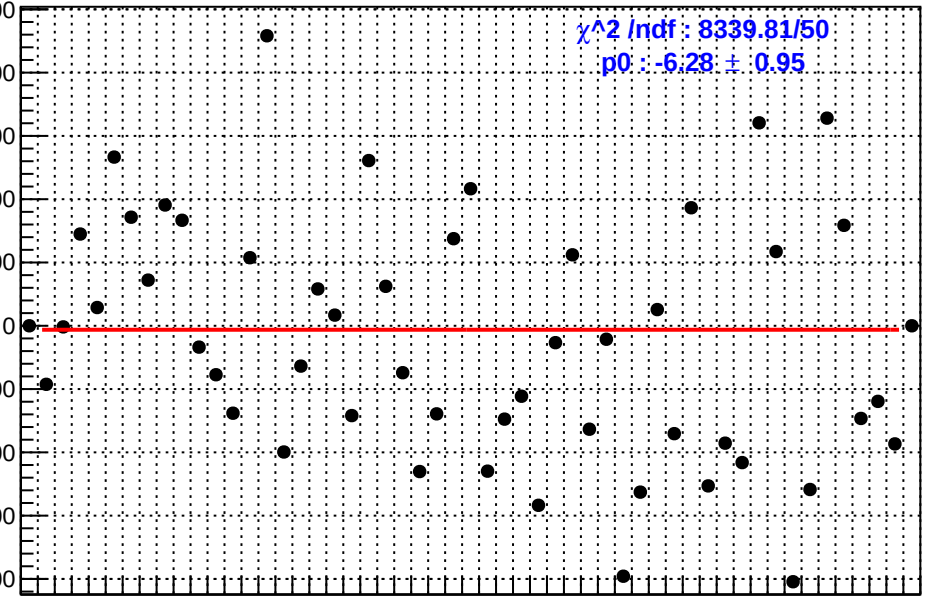
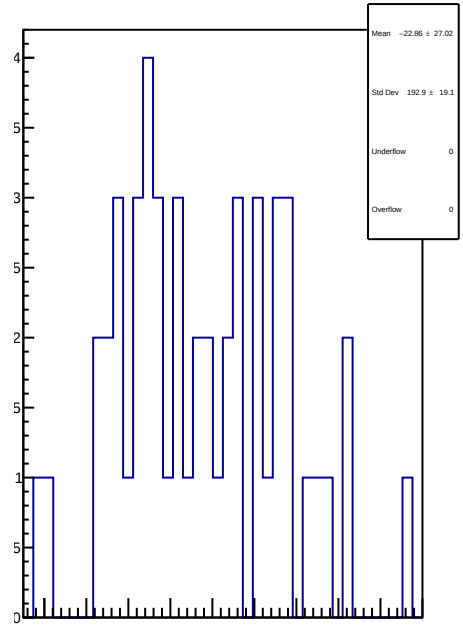
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

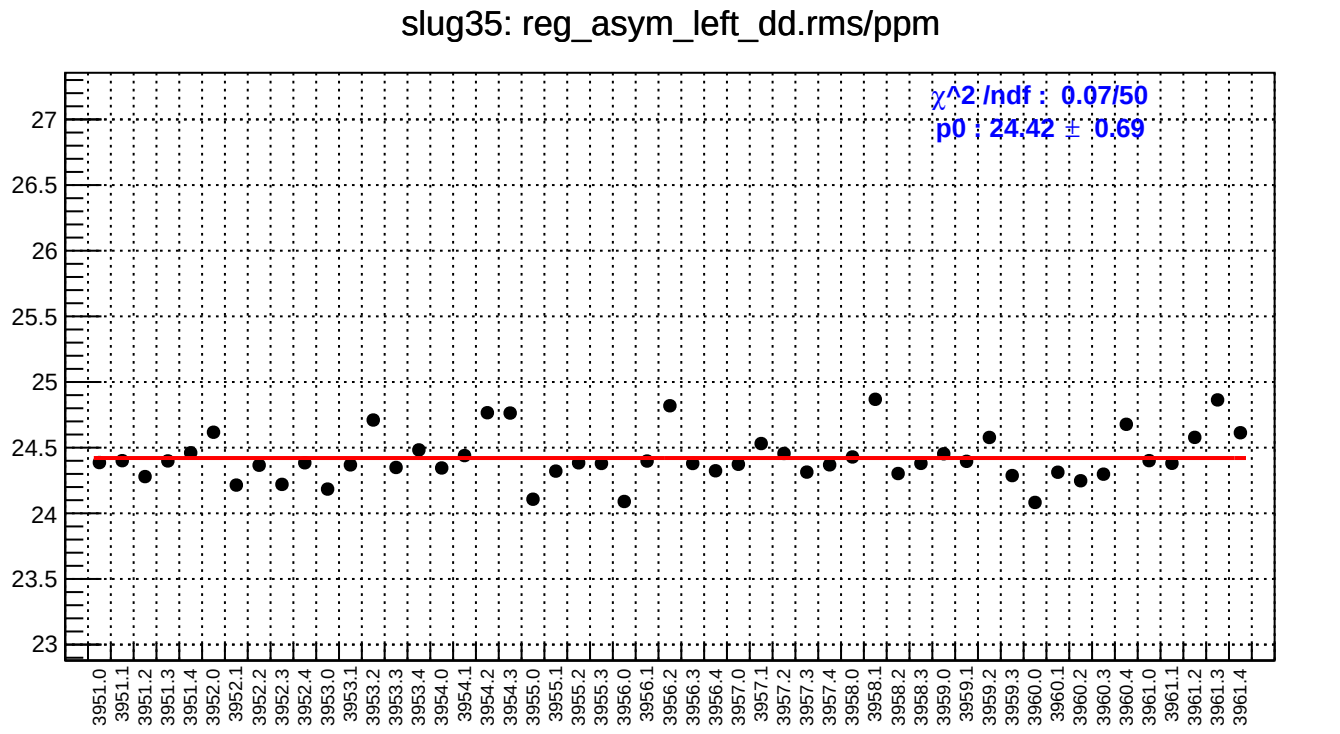

slug35: reg_asym_left_dd.mean/ppb
χ² / ndf 55.79 / 50
p0 −18.88 ± 33.94
600
400
200
0
−200
−400
−600
−800
2
1
0
−1
−2
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

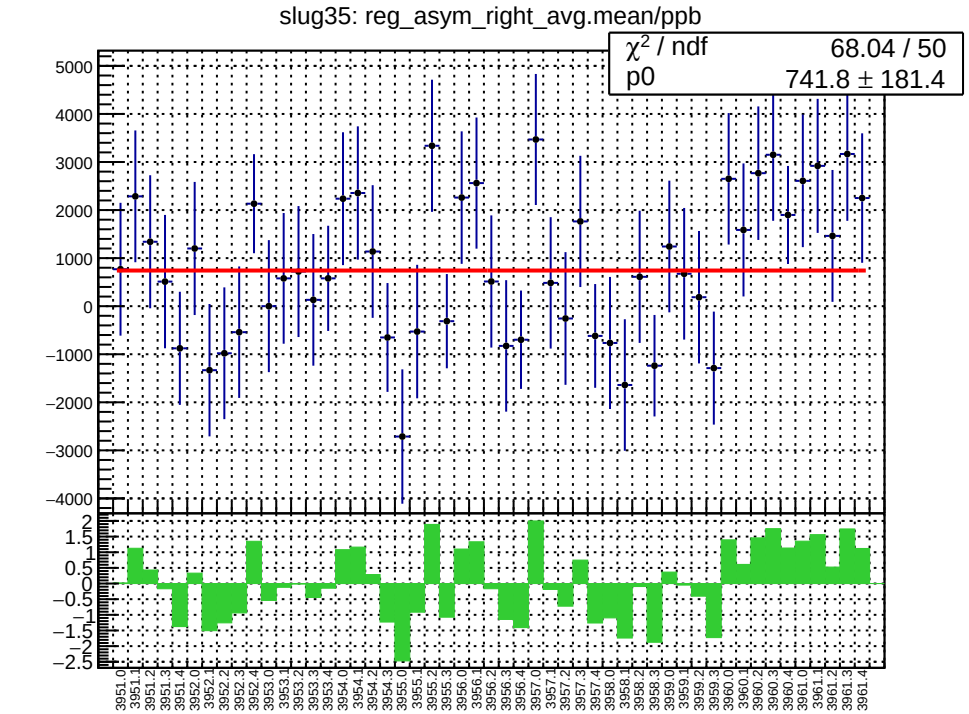

1D pull distribution
Mean −0.009338 ± 0.1465
Std Dev 1.046 ± 0.1036
Underflow 0
Overflow 0
χ² / ndf 10.61 / 9
Constant 5.001 ± 0.985
Mean −0.1154 ± 0.2885
Sigma 1.452 ± 0.271
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

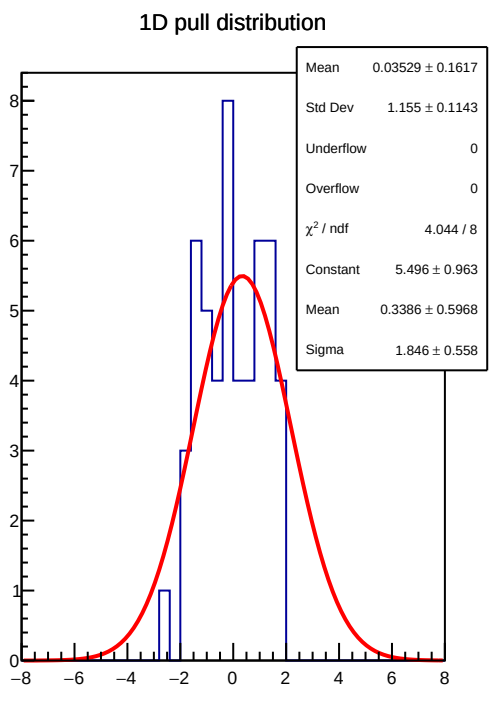
slug35: asym_left_dd.mean/ppb-reg_asym_left_dd.mean/ppb



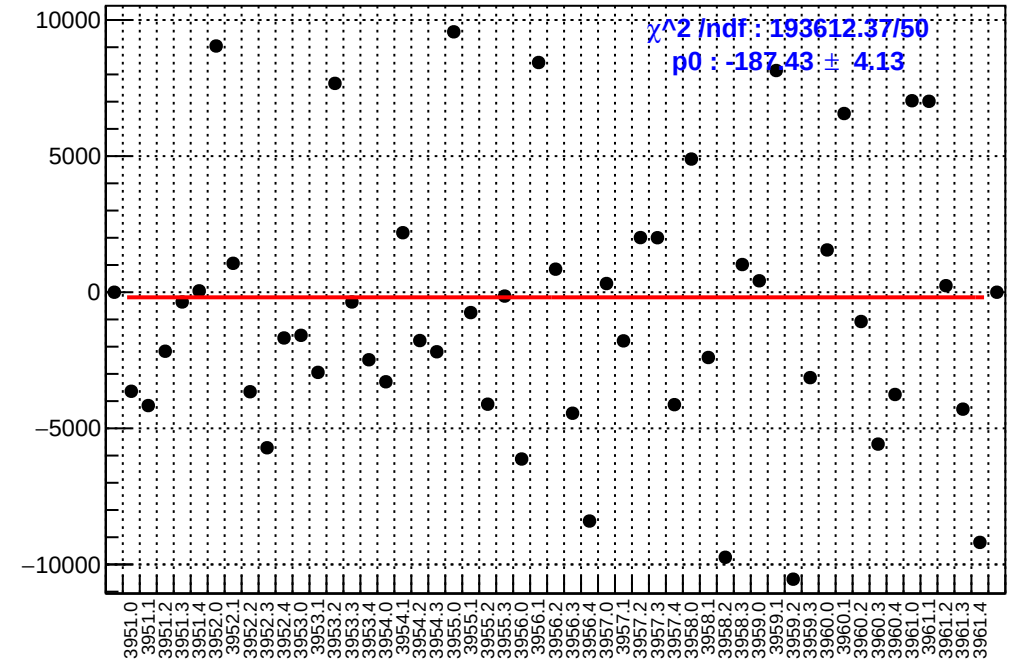


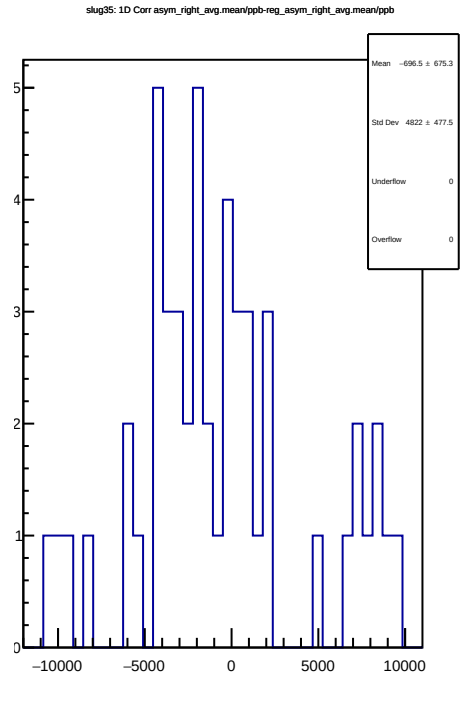

slug35: reg_asym_left_dd.rms/ppm
χ^2 /ndf : 0.07/50
p0 : 24.42 ± 0.69
27
26.5
26
25.5
25
24.5
24
23.5
23
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

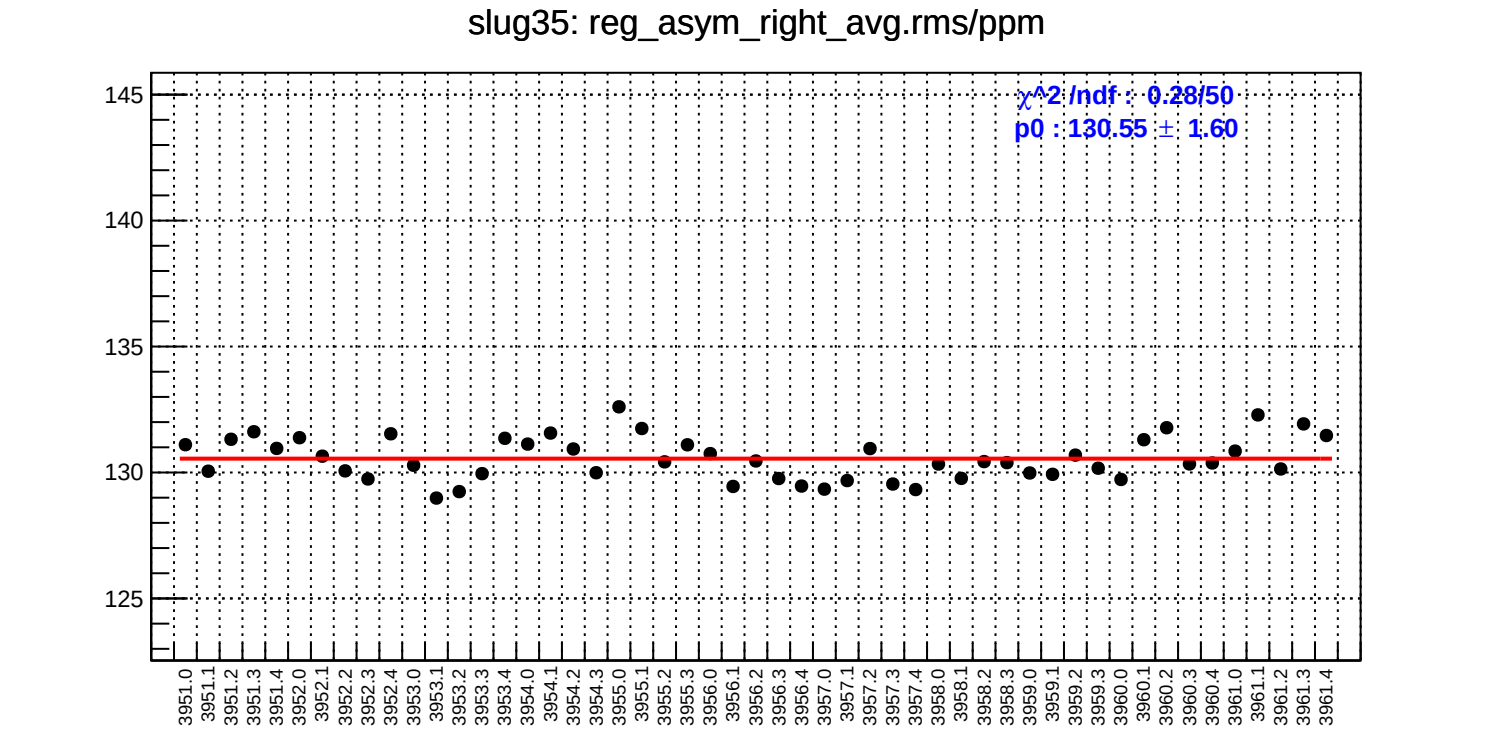

slug35: reg_asym_right_avg.mean/ppb
χ² / ndf 68.04 / 50
p0 741.8 ± 181.4

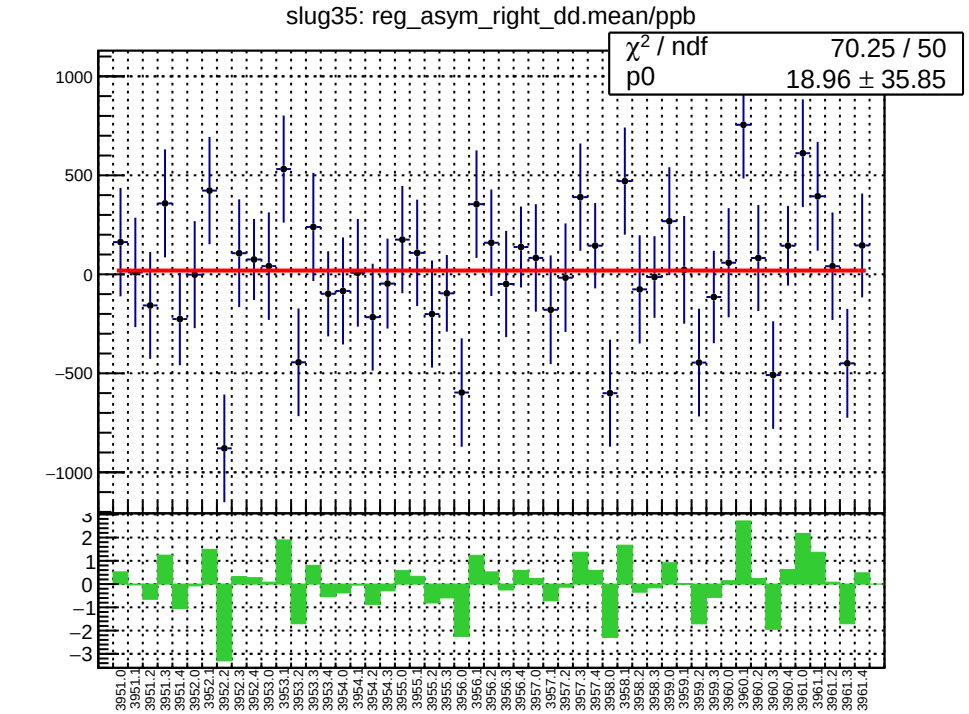

1D pull distribution
Mean 0.03529 ± 0.1617
Std Dev 1.155 ± 0.1143
Underflow 0
Overflow 0
χ² / ndf 4.044 / 8
Constant 5.496 ± 0.963
Mean 0.3386 ± 0.5968
Sigma 1.846 ± 0.558

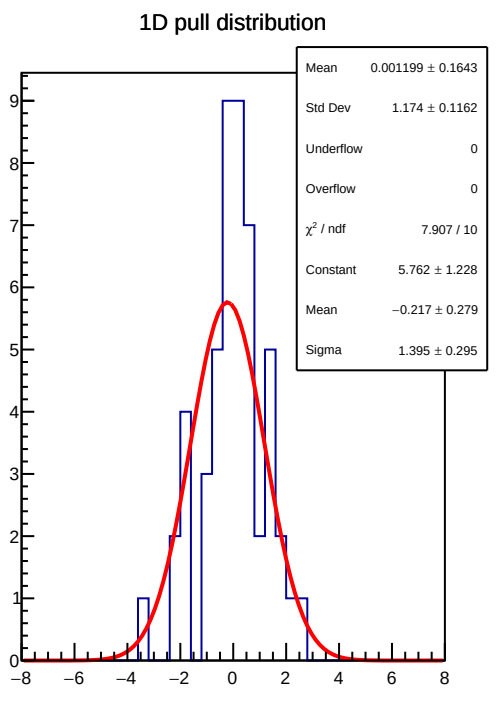
slug35: asym_right_avg.mean/ppb-reg_asym_right_avg.mean/ppb



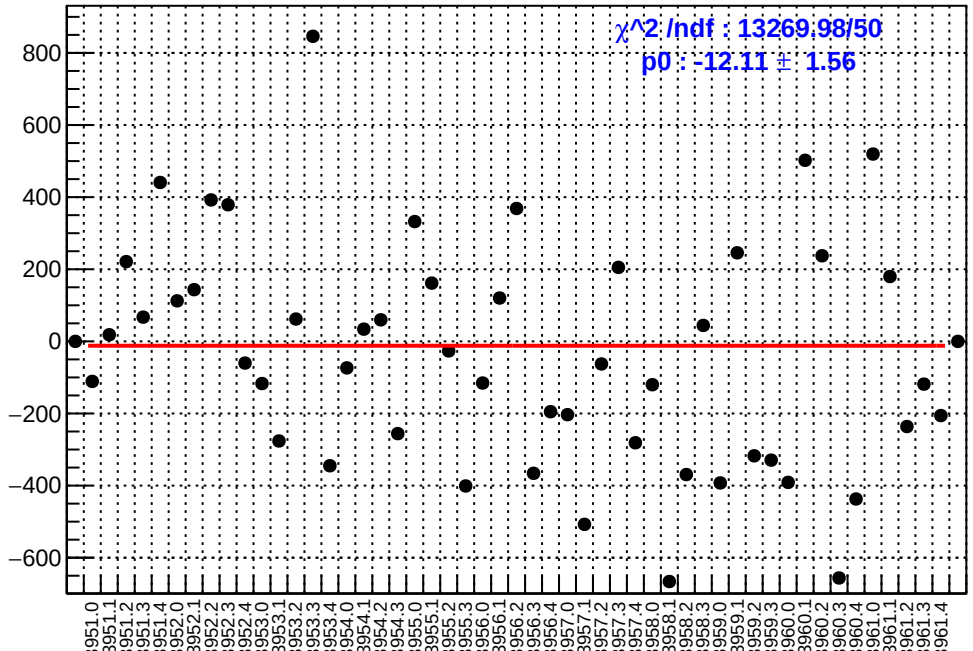


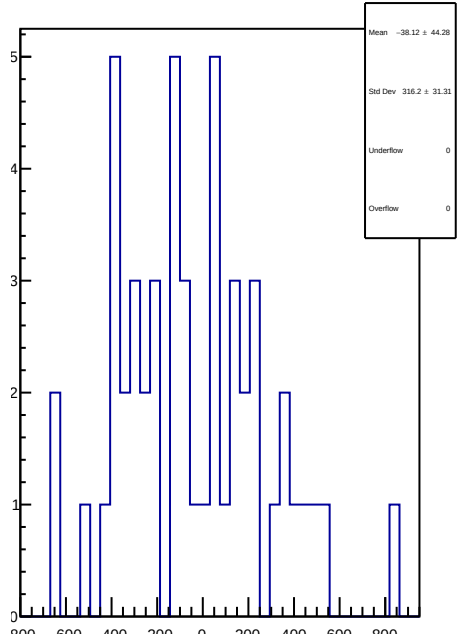

slug35: reg_asym_right_avg.rms/ppm
χ^2 /ndf : 0.28/50
p0 : 130.55 ± 1.60
145
140
135
130
125
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

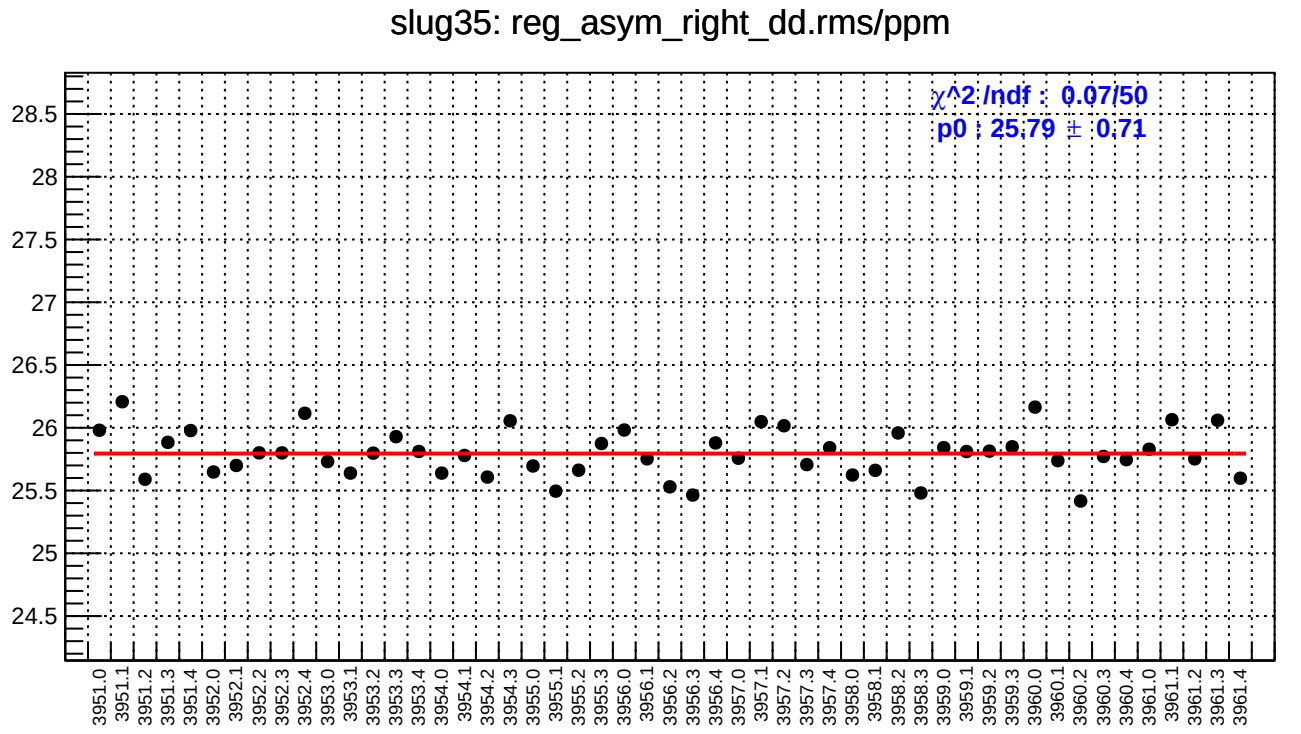

slug35: reg_asym_right_dd.mean/ppb
χ² / ndf 70.25 / 50
p0 18.96 ± 35.85
1000
500
0
−500
−1000
3
2
1
0
−1
−2
−3
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

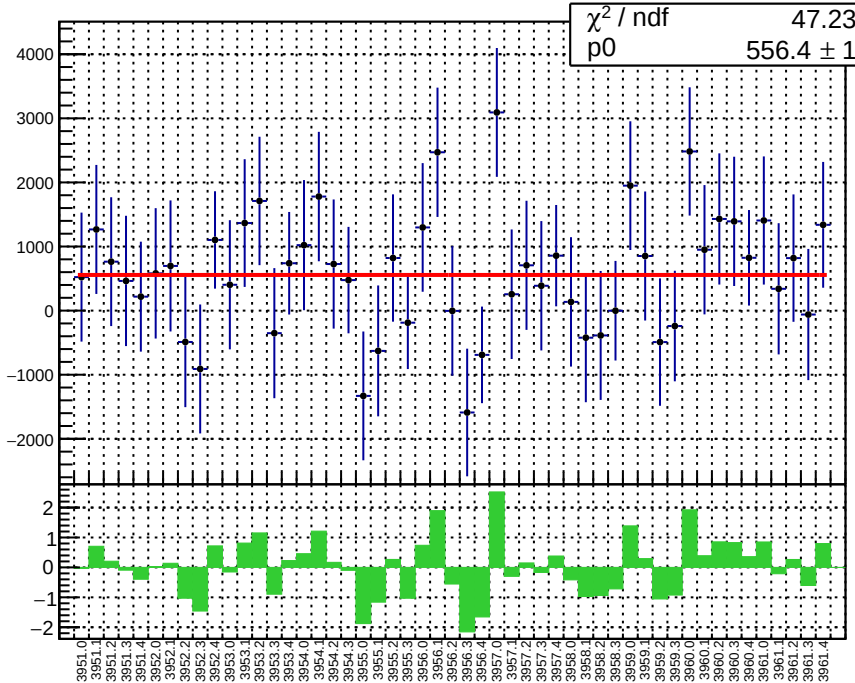

1D pull distribution
Mean 0.001199 ± 0.1643
Std Dev 1.174 ± 0.1162
Underflow 0
Overflow 0
χ² / ndf 7.907 / 10
Constant 5.762 ± 1.228
Mean −0.217 ± 0.279
Sigma 1.395 ± 0.295
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

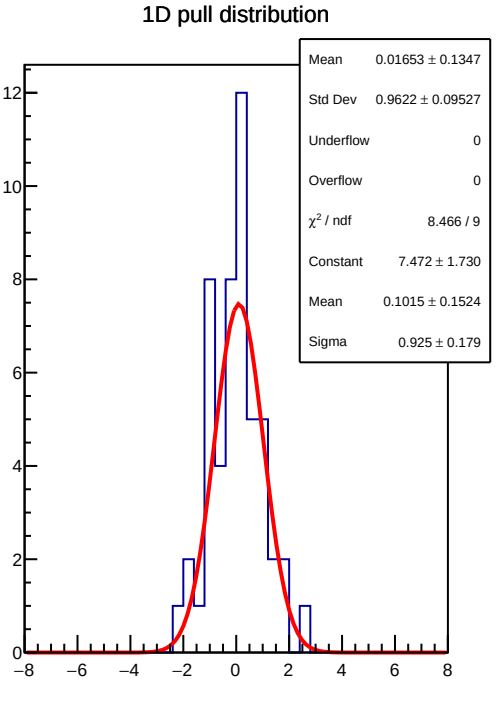
slug35: asym_right_dd.mean/ppb-reg_asym_right_dd.mean/ppb

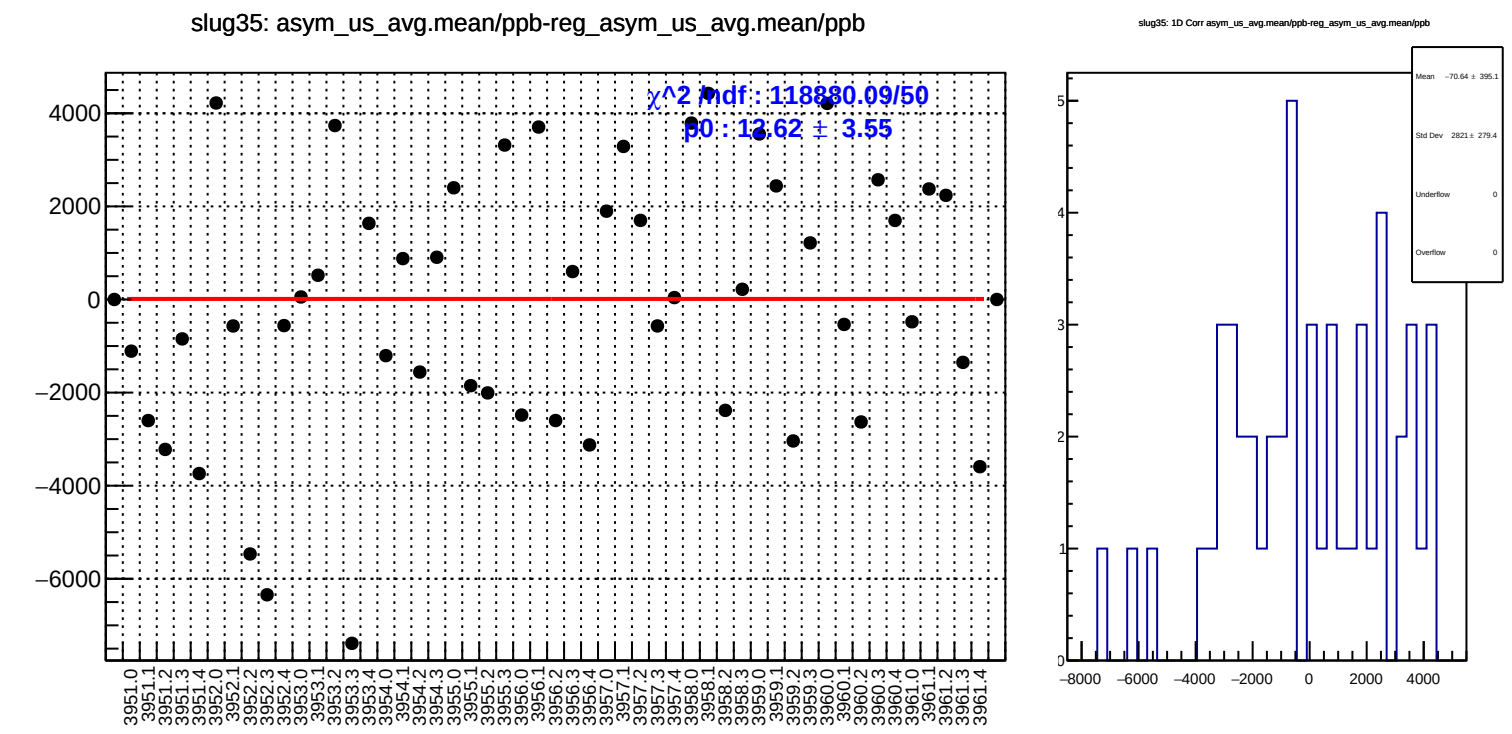


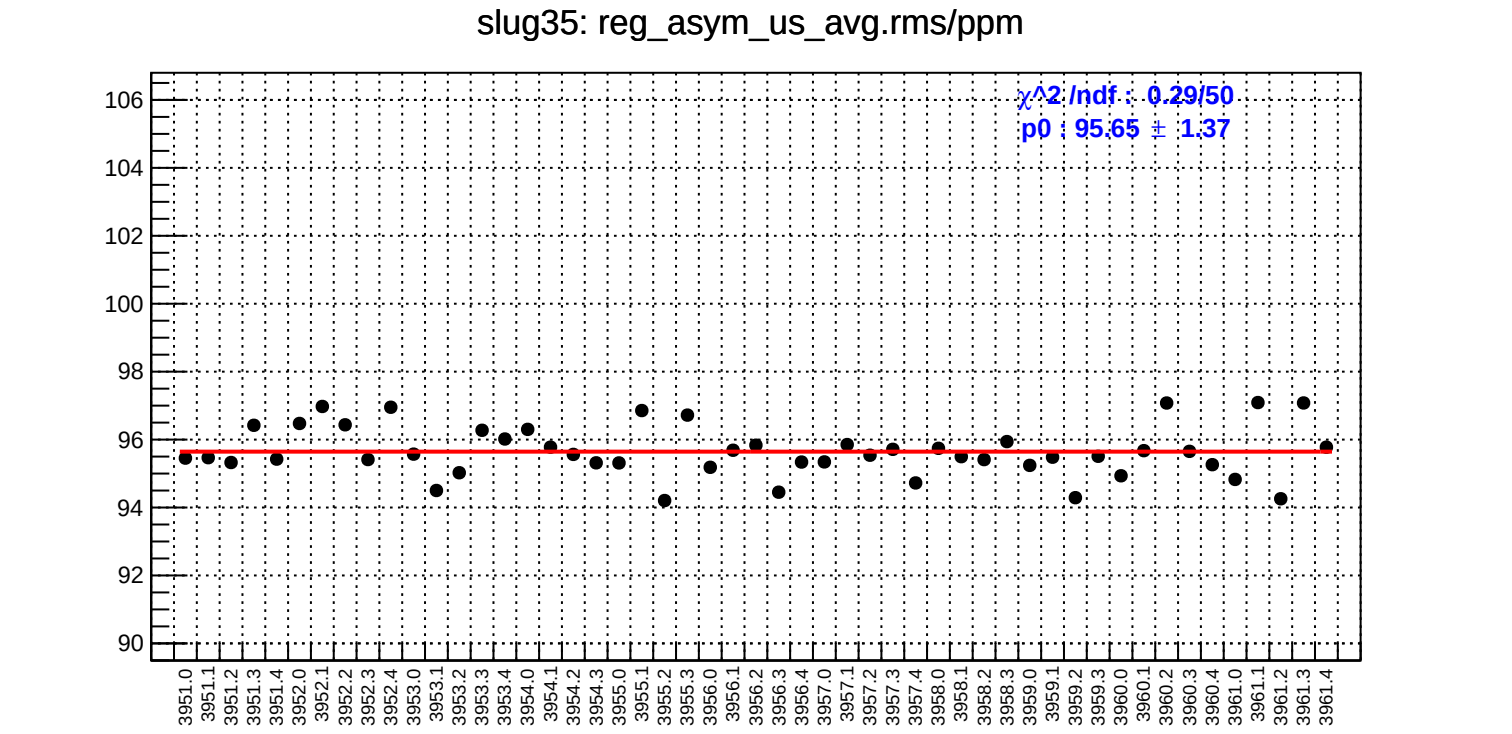



slug35: reg_asym_right_dd.rms/ppm
χ^2 /ndf : 0.07/50
p0 : 25.79 ± 0.71
28.5
28
27.5
27
26.5
26
25.5
25
24.5
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4


slug35: reg_asym_us_avg.mean/ppb
χ² / ndf 47.23 / 50
p0 556.4 ± 132.9
4000
3000
2000
1000
0
−1000
−2000
2
1
0
−1
−2
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4


1D pull distribution
Mean 0.01653 ± 0.1347
Std Dev 0.9622 ± 0.09527
Underflow 0
Overflow 0
χ² / ndf 8.466 / 9
Constant 7.472 ± 1.730
Mean 0.1015 ± 0.1524
Sigma 0.925 ± 0.179
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


slug35: asym_us_avg.mean/ppb-reg_asym_us_avg.mean/ppb
χ^2 /ndf : 118880.09/50
p0 : 12.62 ± 3.55
4000
2000
0
−2000
−4000
−6000
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4
slug35: 1D Corr asym_us_avg.mean/ppb-reg_asym_us_avg.mean/ppb
Mean −70.64 ± 395.1
Std Dev 2821 ± 279.4
Underflow 0
Overflow 0
5
4
3
2
1
0
−8000
−6000
−4000
−2000
0
2000
4000


slug35: reg_asym_us_avg.rms/ppm
χ^2 /ndf : 0.29/50
p0 : 95.65 ± 1.37
106
104
102
100
98
96
94
92
90
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
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3955.0
3955.1
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3956.0
3956.1
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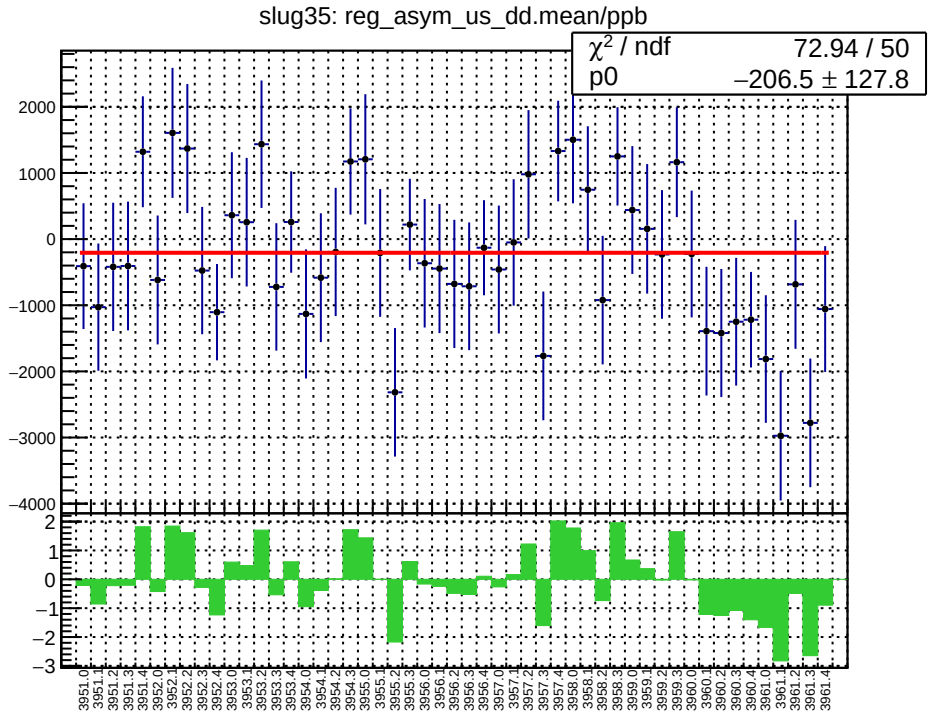
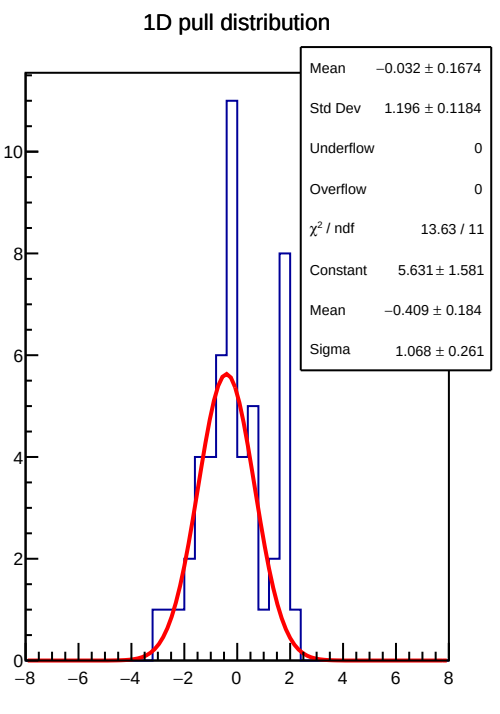
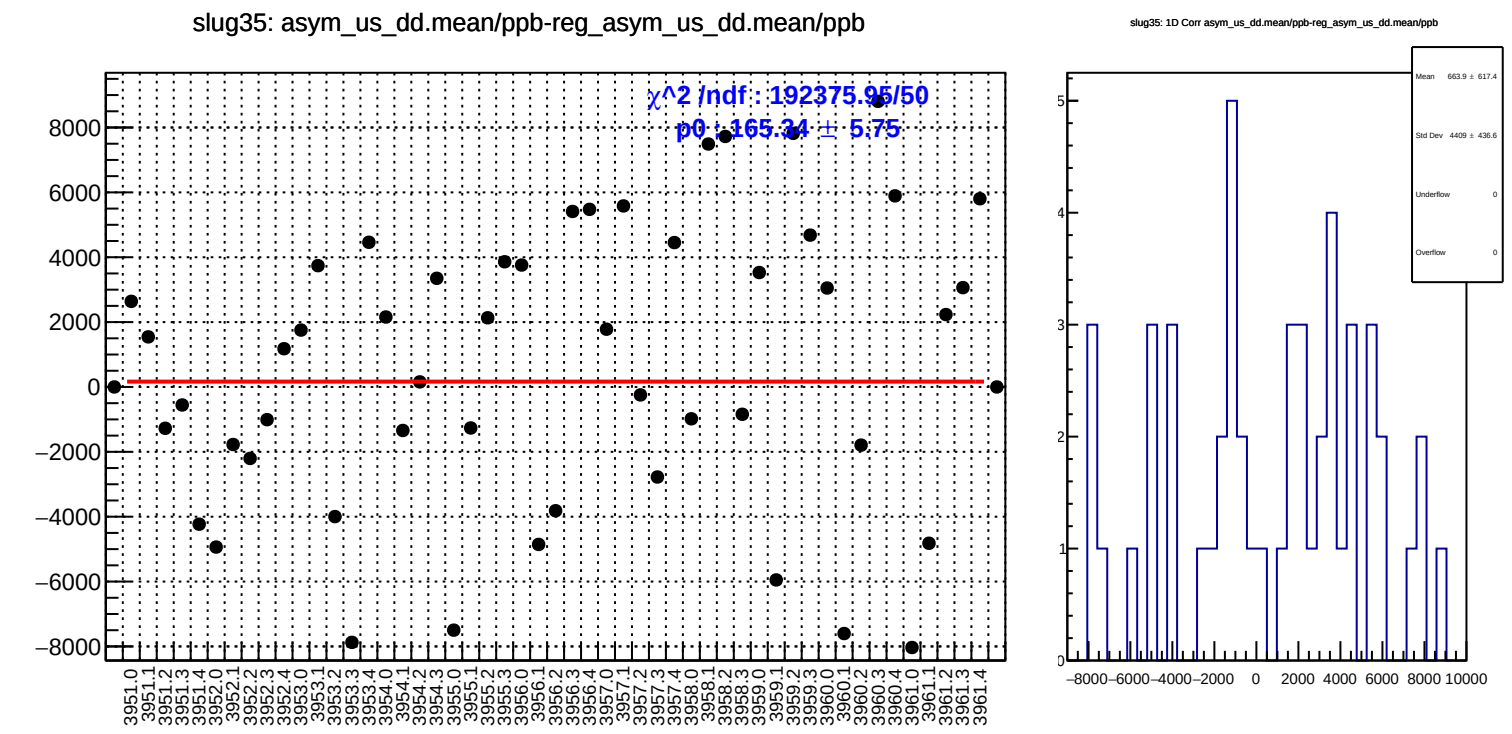
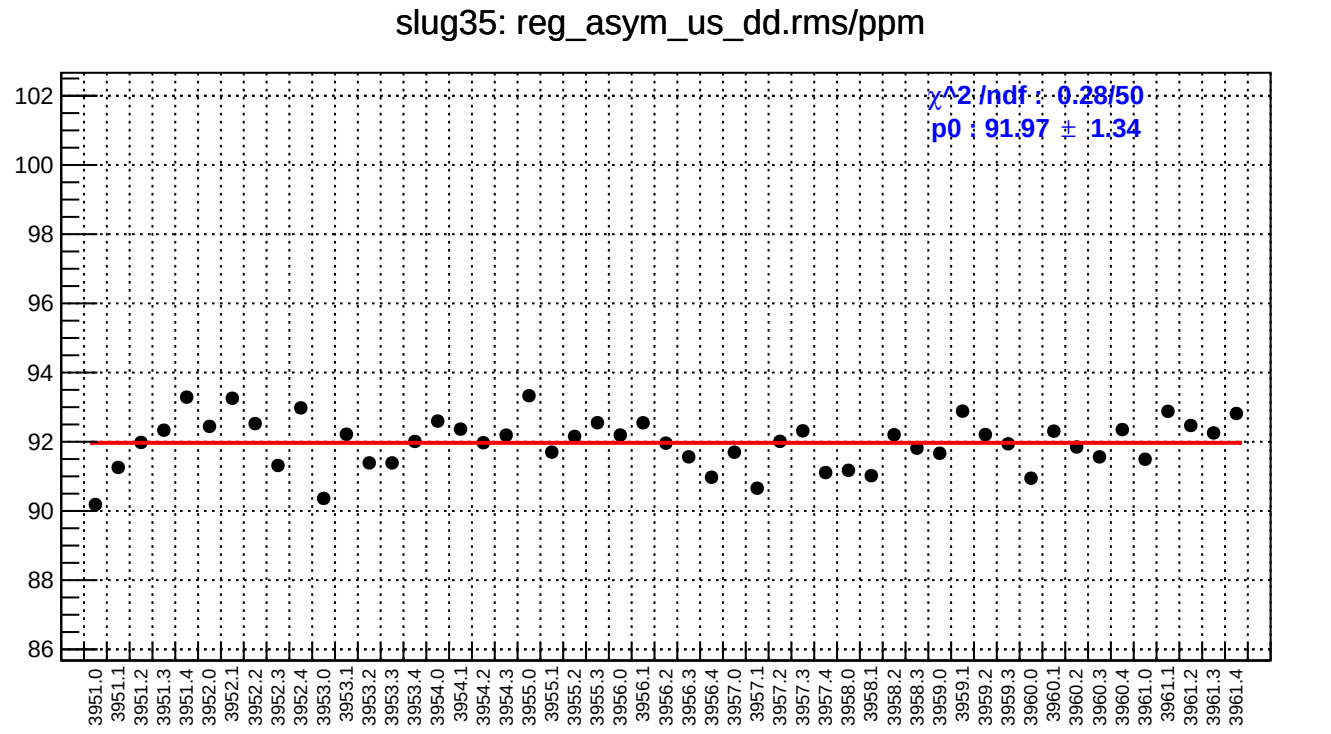
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4


slug35: reg_asym_us_dd.mean/ppb
χ² / ndf 72.94 / 50
p0 −206.5 ± 127.8


1D pull distribution
Mean −0.032 ± 0.1674
Std Dev 1.196 ± 0.1184
Underflow 0
Overflow 0
χ² / ndf 13.63 / 11
Constant 5.631 ± 1.581
Mean −0.409 ± 0.184
Sigma 1.068 ± 0.261


slug35: asym_us_dd.mean/ppb-reg_asym_us_dd.mean/ppb
χ^2 /ndf : 192375.95/50
p0 : 165.34 ± 5.75
slug35: 1D Corr asym_us_dd.mean/ppb-reg_asym_us_dd.mean/ppb
Mean 663.9 ± 617.4
Std Dev 4409 ± 436.6
Underflow 0
Overflow 0


slug35: reg_asym_us_dd.rms/ppm
χ^2 /ndf : 0.28/50
p0 : 91.97 ± 1.34
102
100
98
96
94
92
90
88
86
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
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3957.0
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3957.4
3958.0
3958.1
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3959.1
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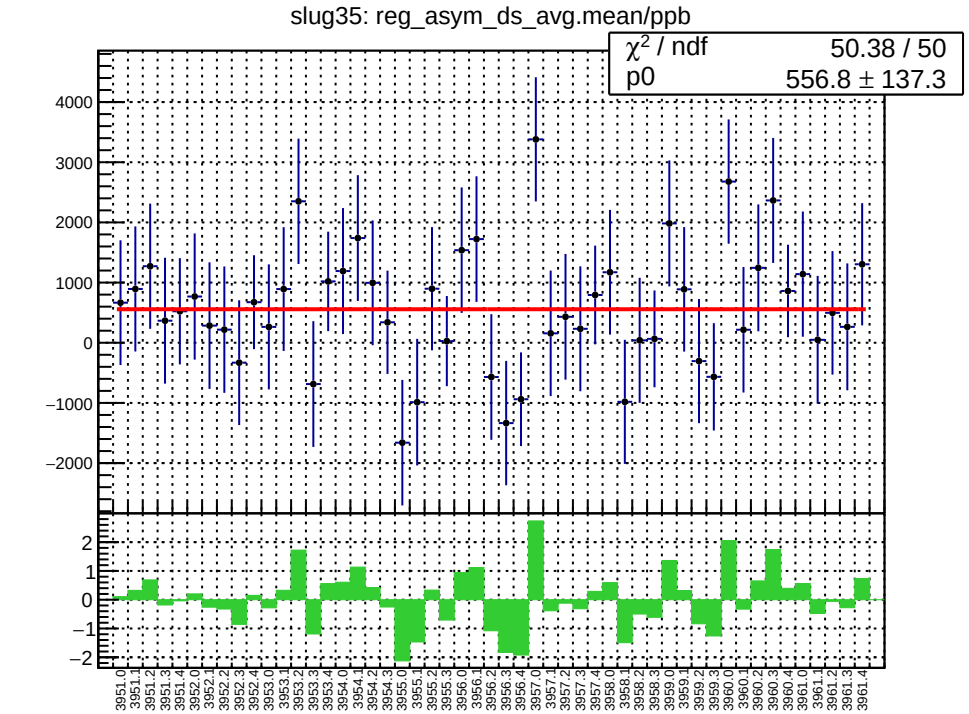
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4


slug35: reg_asym_ds_avg.mean/ppb
χ² / ndf 50.38 / 50
p0 556.8 ± 137.3
4000
3000
2000
1000
0
−1000
−2000
2
1
0
−1
−2
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
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3956.1
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3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
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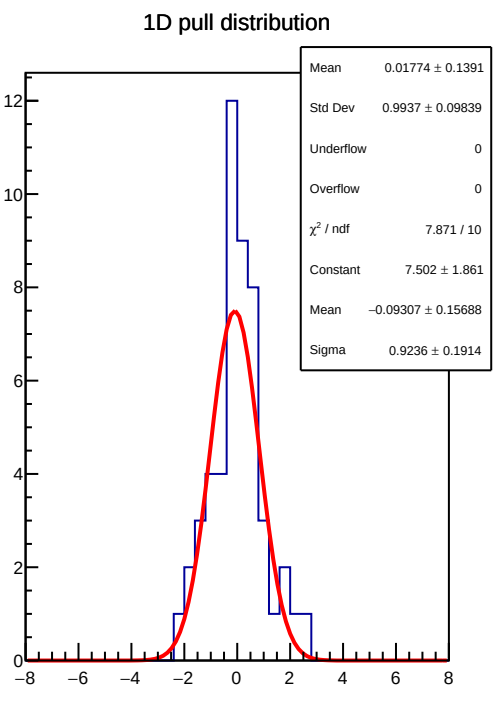
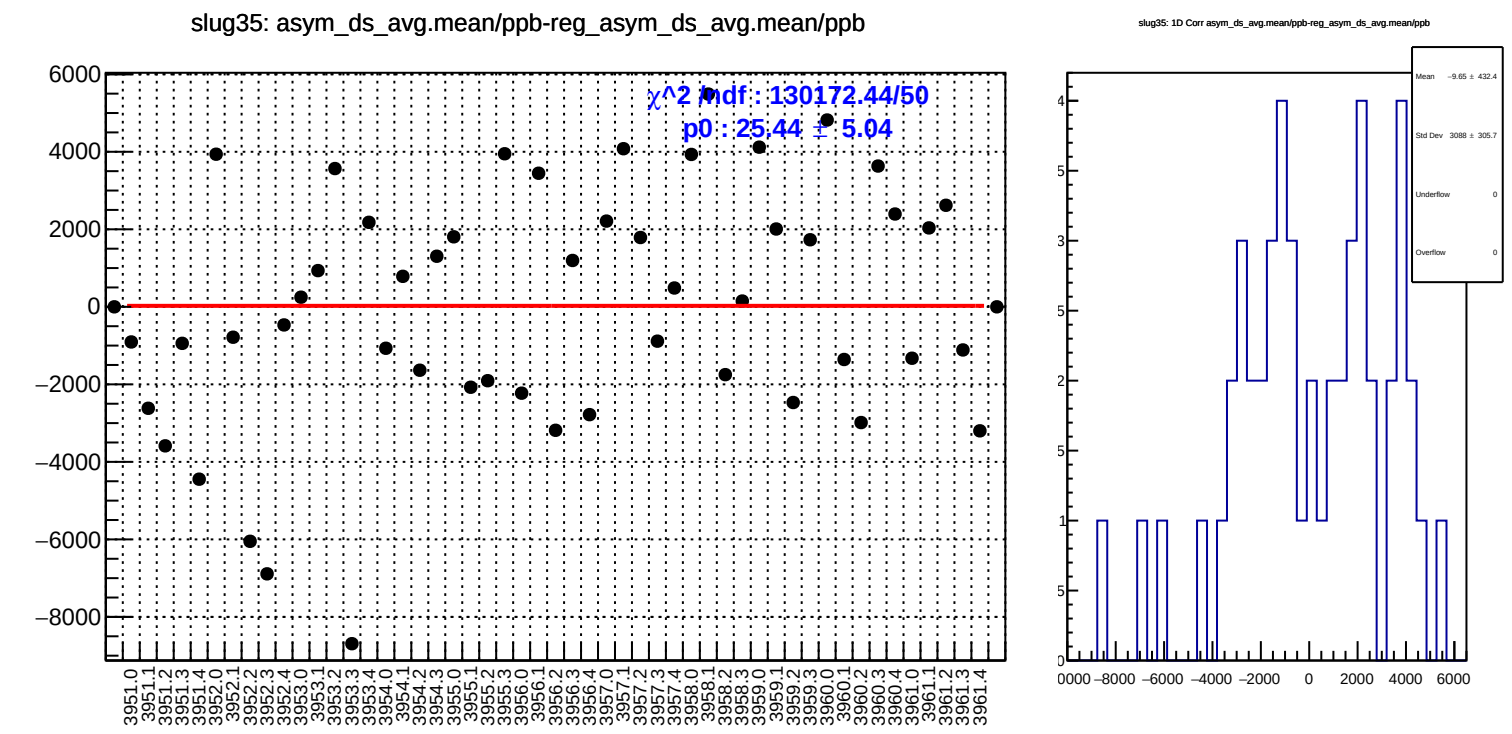
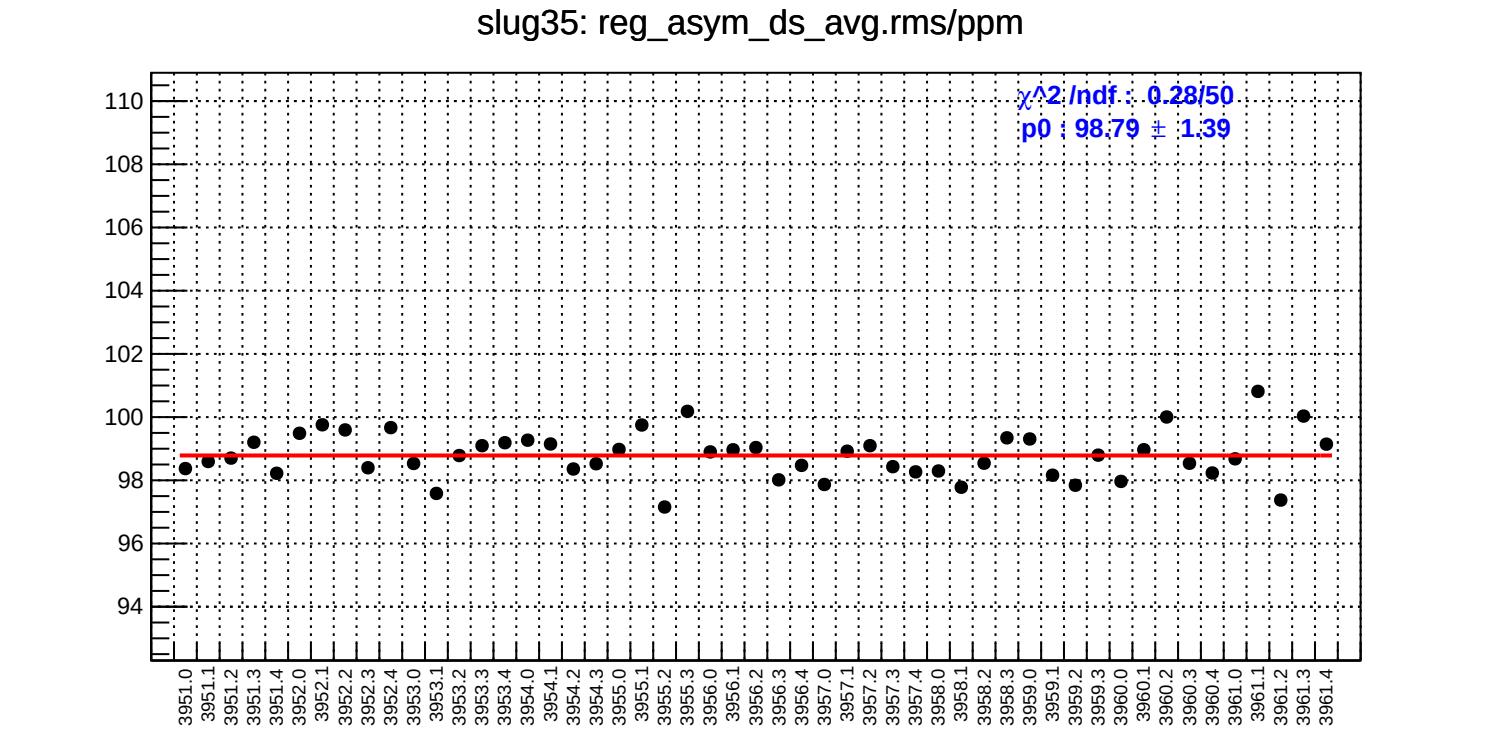
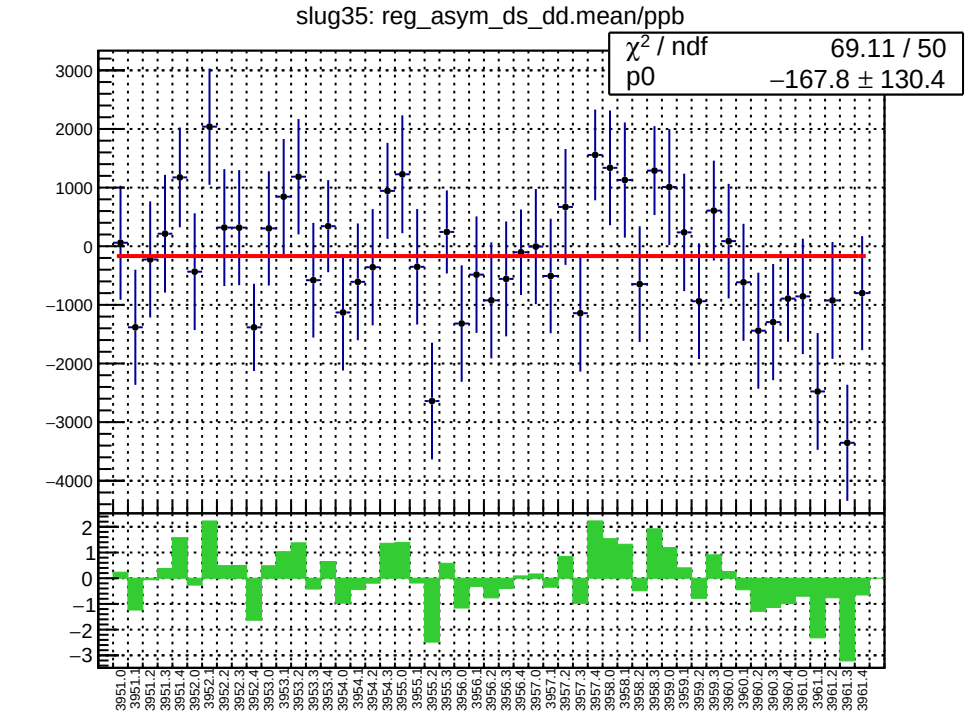
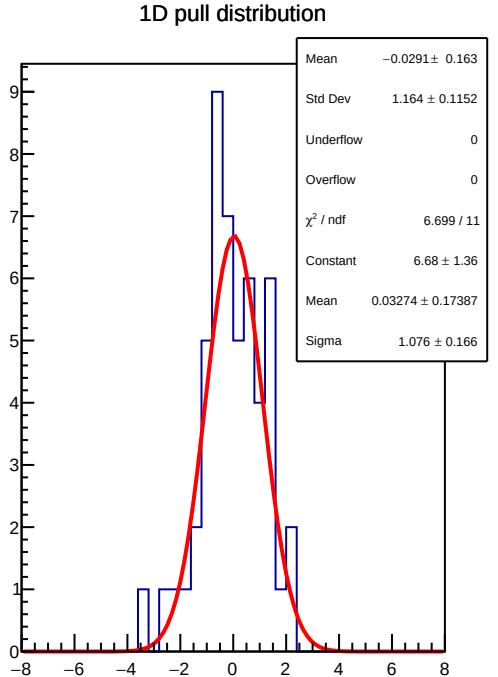
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

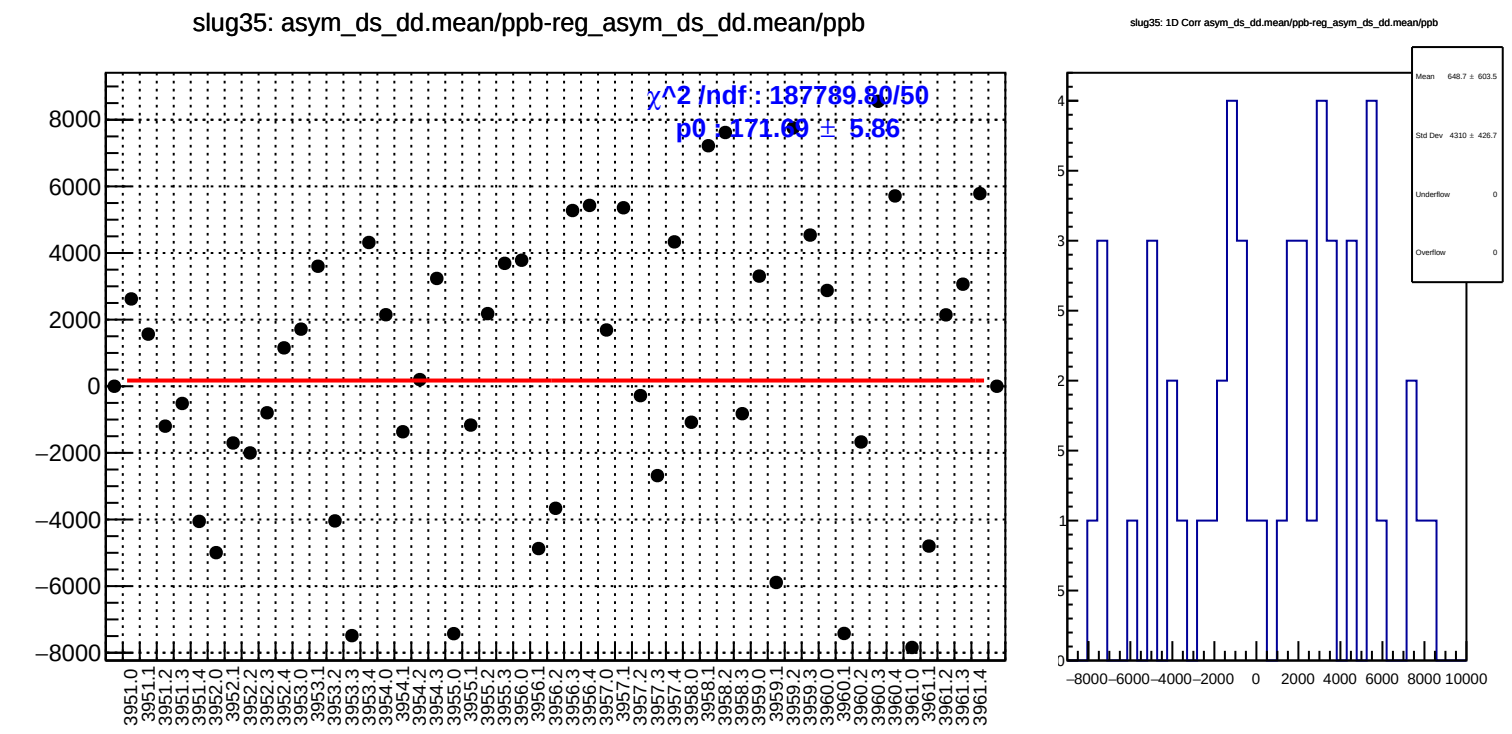

1D pull distribution
Mean 0.01774 ± 0.1391
Std Dev 0.9937 ± 0.09839
Underflow 0
Overflow 0
χ² / ndf 7.871 / 10
Constant 7.502 ± 1.861
Mean −0.09307 ± 0.15688
Sigma 0.9236 ± 0.1914
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

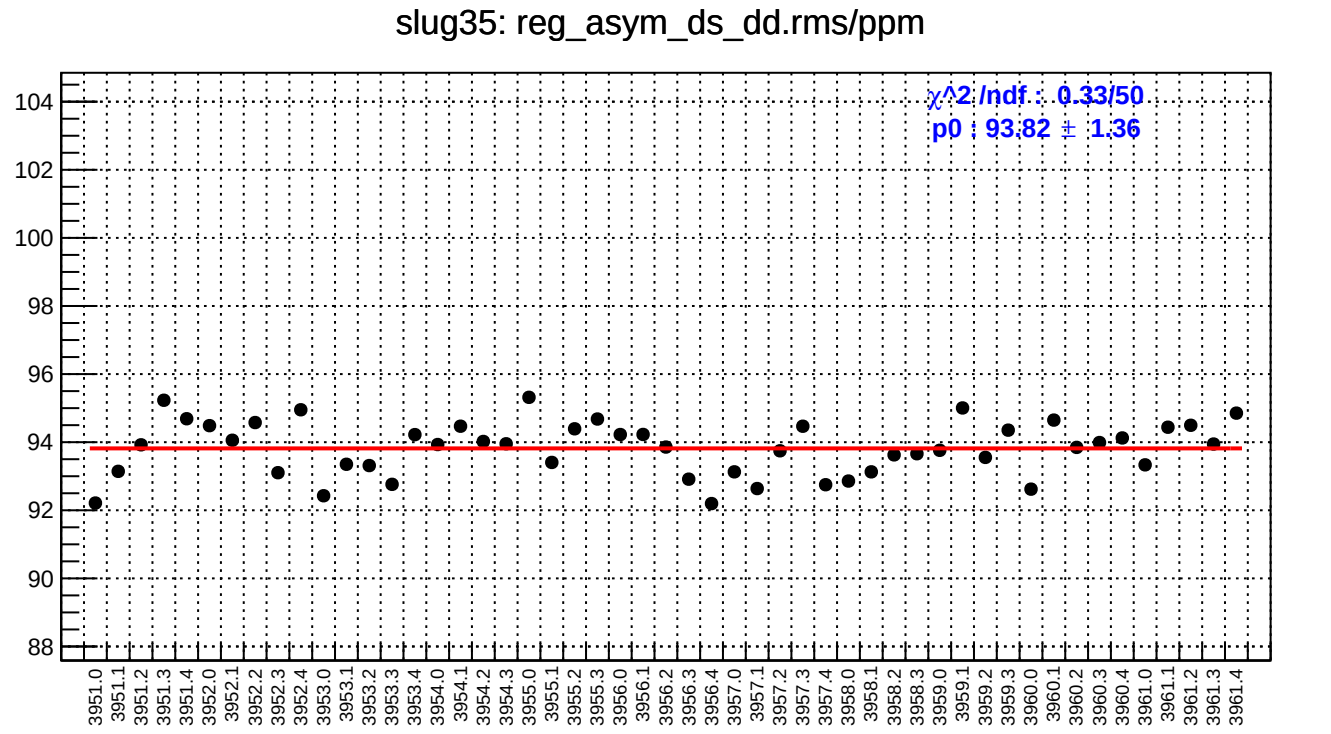

slug35: asym_ds_avg.mean/ppb-reg_asym_ds_avg.mean/ppb
χ^2 / ndf : 130172.44/50
p0 : 25.44 ± 5.04
slug35: 1D Corr asym_ds_avg.mean/ppb-reg_asym_ds_avg.mean/ppb
Mean −9.65 ± 432.4
Std Dev 3088 ± 305.7
Underflow 0
Overflow 0

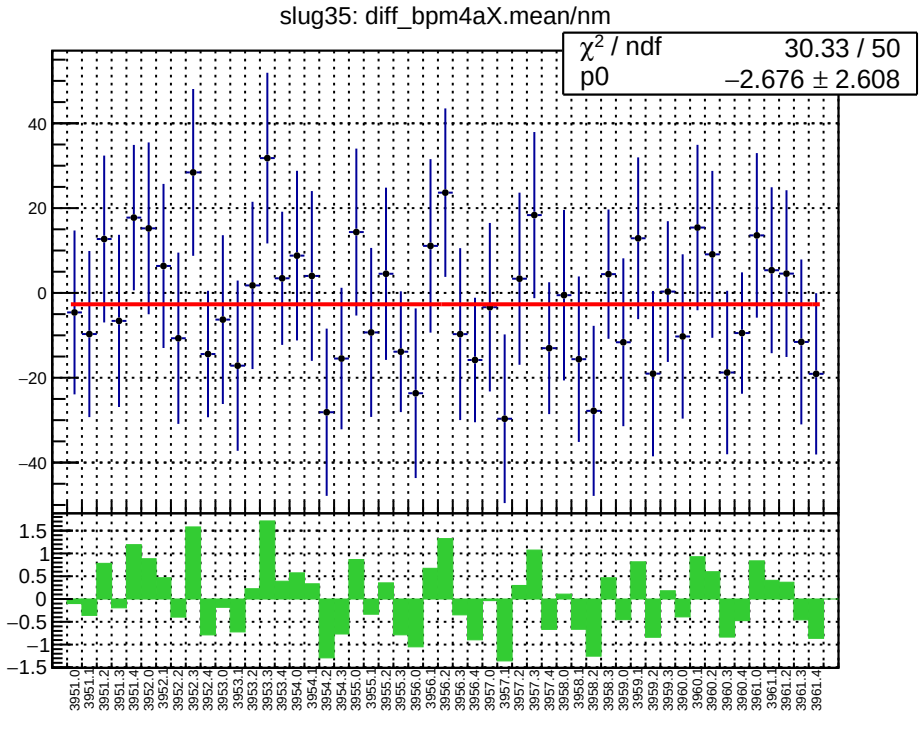

slug35: reg_asym_ds_avg.rms/ppm
χ^2 /ndf : 0.28/50
p0 : 98.79 ± 1.39
110
108
106
104
102
100
98
96
94
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

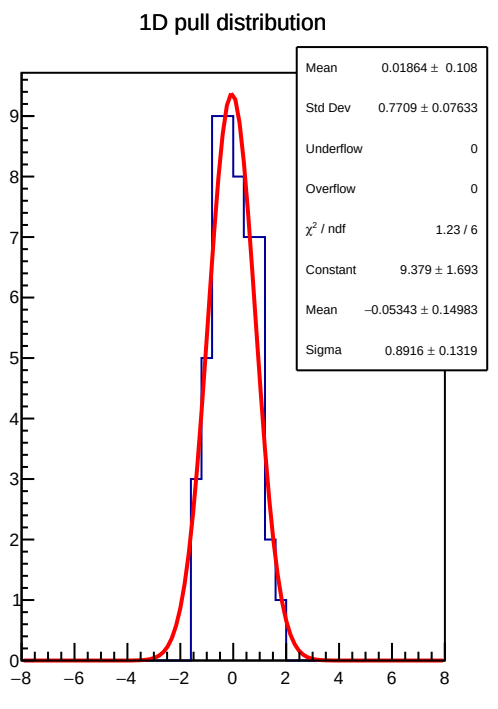

slug35: reg_asym_ds_dd.mean/ppb
χ² / ndf 69.11 / 50
p0 −167.8 ± 130.4
3000
2000
1000
0
−1000
−2000
−3000
−4000
2
1
0
−1
−2
−3
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

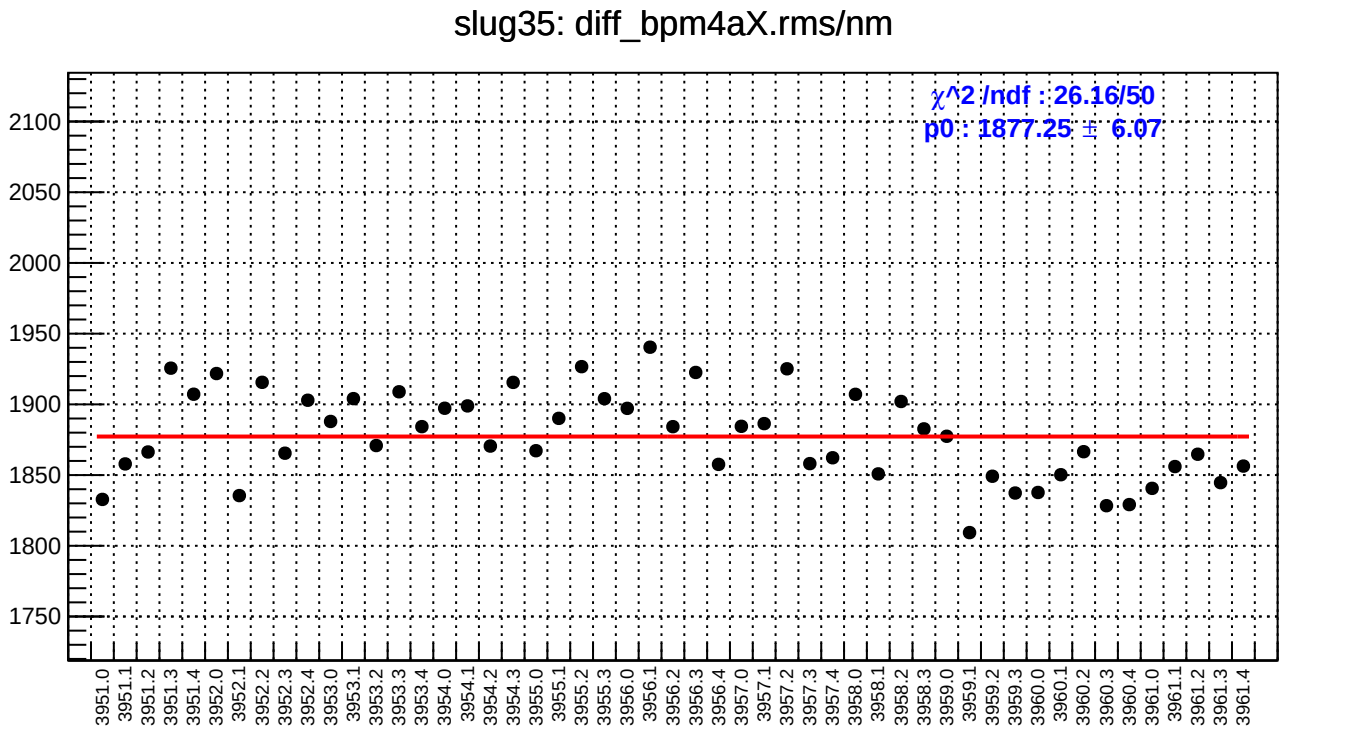

1D pull distribution
Mean −0.0291± 0.163
Std Dev 1.164 ± 0.1152
Underflow 0
Overflow 0
χ² / ndf 6.699 / 11
Constant 6.68 ± 1.36
Mean 0.03274 ± 0.17387
Sigma 1.076 ± 0.166
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

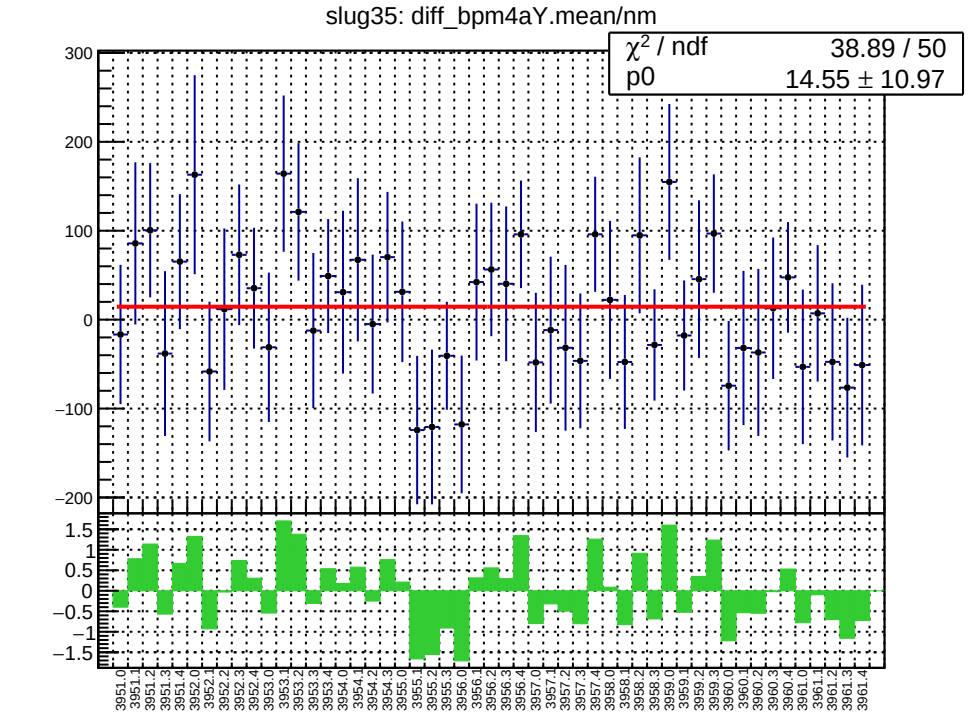

slug35: asym_ds_dd.mean/ppb-reg_asym_ds_dd.mean/ppb
χ^2 /ndf : 187789.80/50
p0 : 171.09 ± 5.86
slug35: 1D Corr asym_ds_dd.mean/ppb-reg_asym_ds_dd.mean/ppb
Mean 648.7 ± 603.5
Std Dev 4310 ± 426.7
Underflow 0
Overflow 0

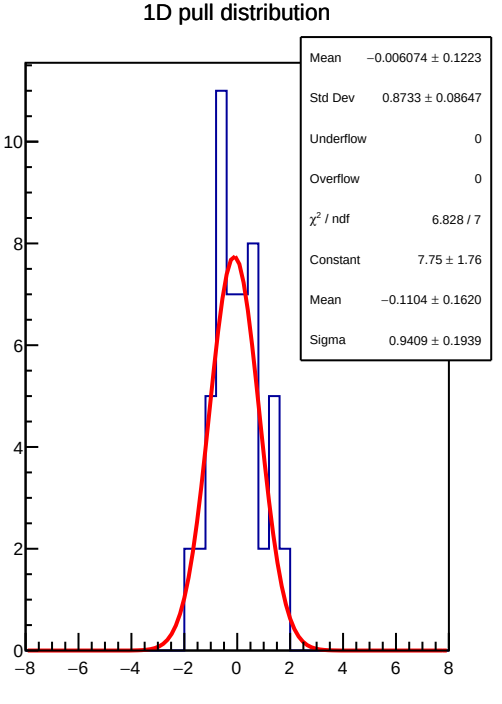

slug35: reg_asym_ds_dd.rms/ppm
χ^2 /ndf : 0.33/50
p0 : 93.82 ± 1.36
104
102
100
98
96
94
92
90
88
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

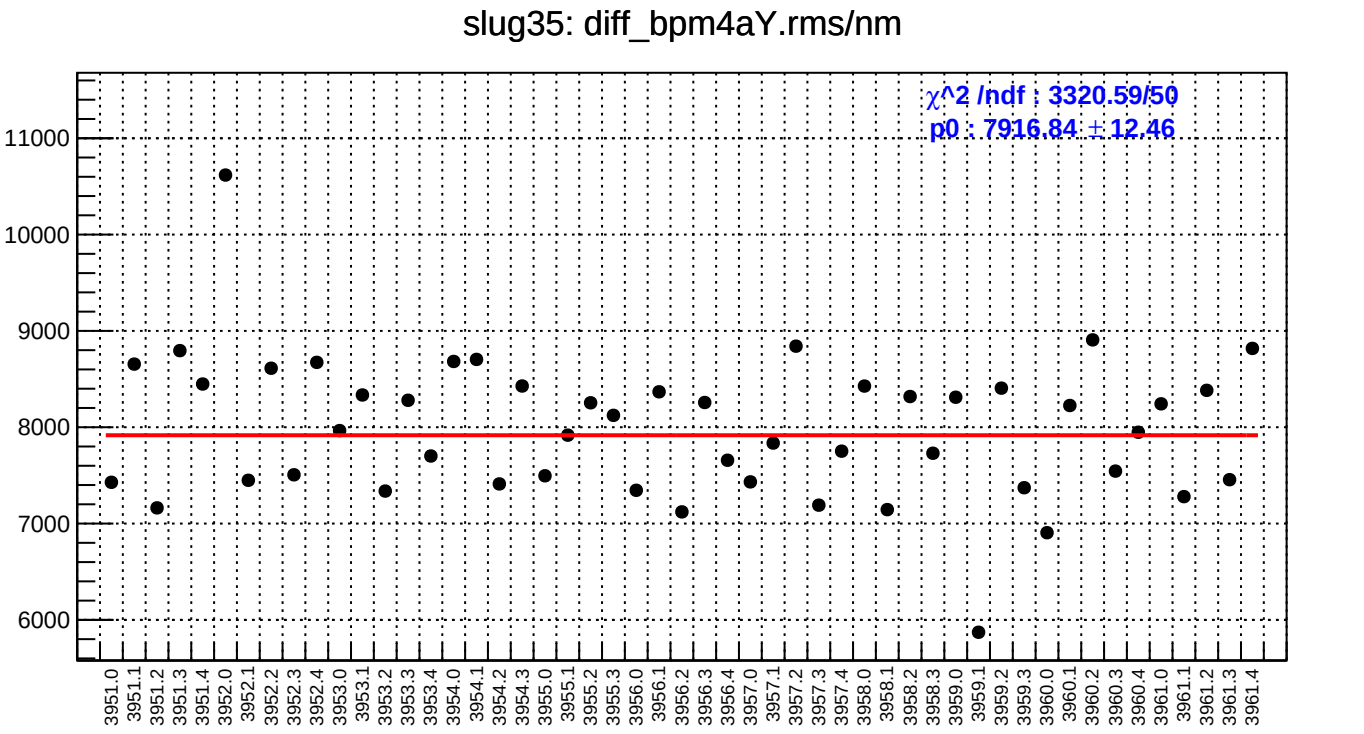

slug35: diff_bpm4aX.mean/nm
χ² / ndf 30.33 / 50
p0 −2.676 ± 2.608
40
20
0
−20
−40
1.5
1
0.5
0
−0.5
−1
−1.5
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

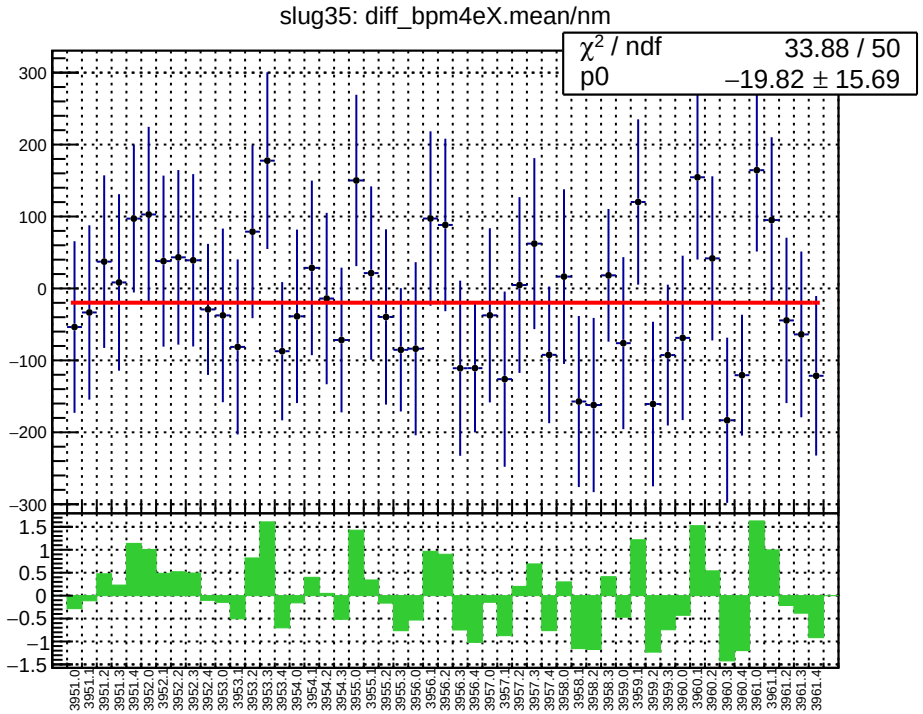

1D pull distribution
Mean 0.01864 ± 0.108
Std Dev 0.7709 ± 0.07633
Underflow 0
Overflow 0
χ² / ndf 1.23 / 6
Constant 9.379 ± 1.693
Mean −0.05343 ± 0.14983
Sigma 0.8916 ± 0.1319
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

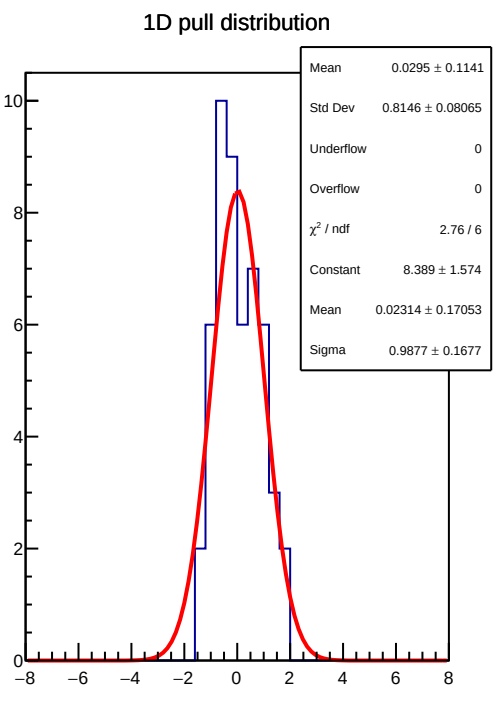

slug35: diff_bpm4aX.rms/nm
χ^2 /ndf : 26.16/50
p0 : 1877.25 ± 6.07
2100
2050
2000
1950
1900
1850
1800
1750
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

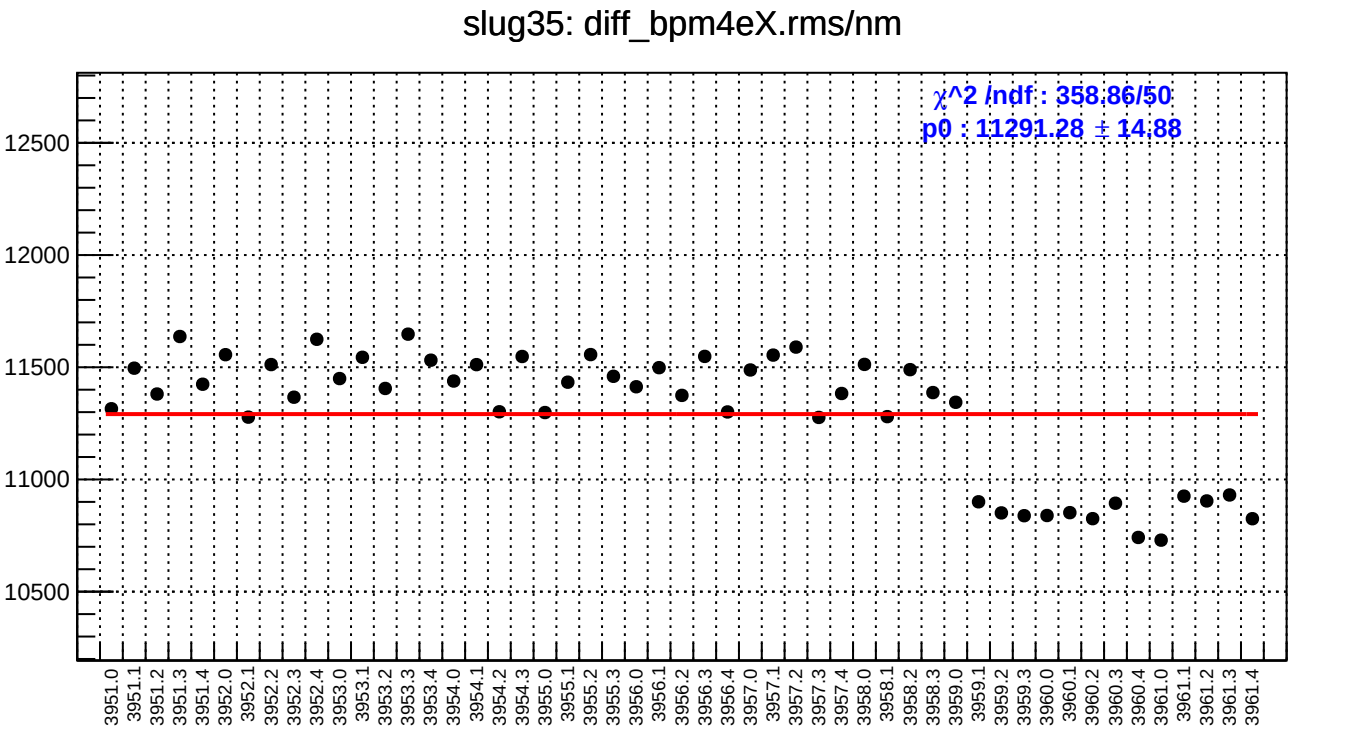

slug35: diff_bpm4aY.mean/nm
χ² / ndf 38.89 / 50
p0 14.55 ± 10.97
300
200
100
0
−100
−200
1.5
1
0.5
0
−0.5
−1
−1.5
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

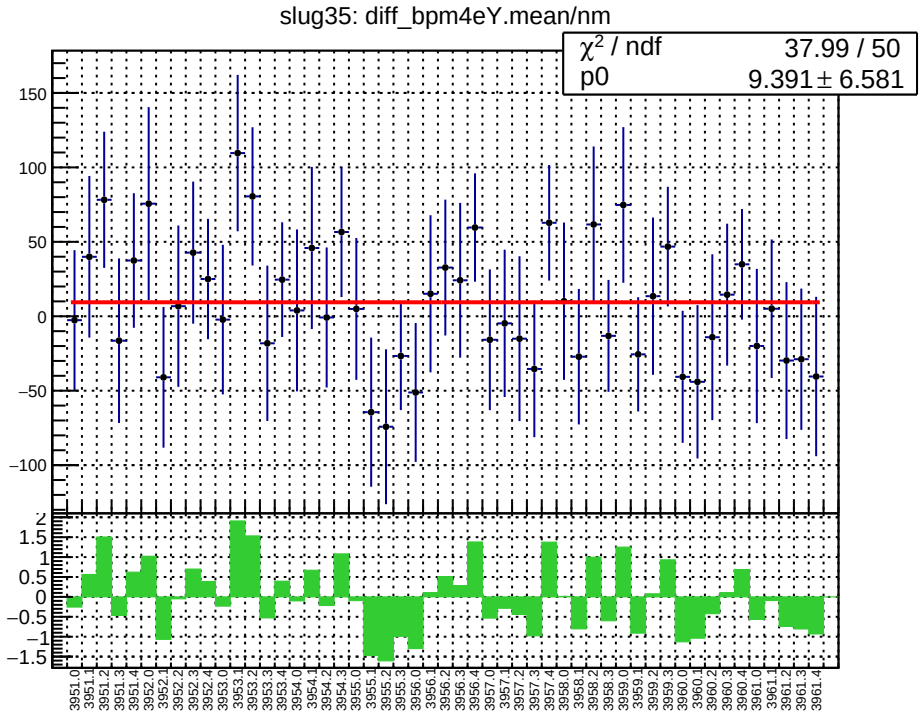

1D pull distribution
Mean −0.006074 ± 0.1223
Std Dev 0.8733 ± 0.08647
Underflow 0
Overflow 0
χ² / ndf 6.828 / 7
Constant 7.75 ± 1.76
Mean −0.1104 ± 0.1620
Sigma 0.9409 ± 0.1939
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

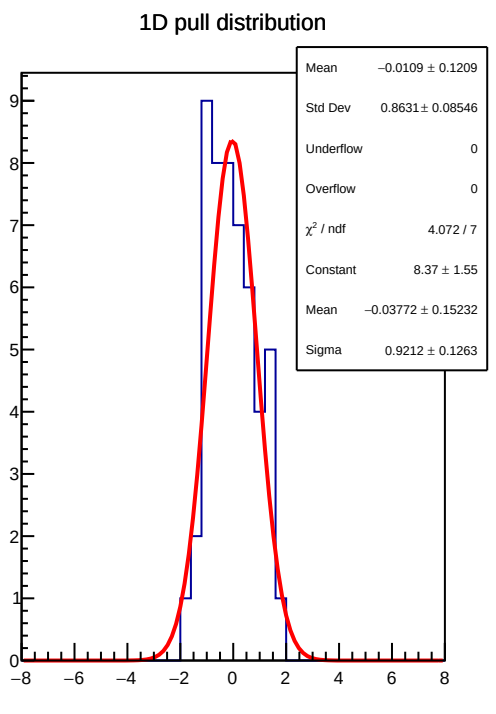

slug35: diff_bpm4aY.rms/nm
χ^2 /ndf : 3320.59/50
p0 : 7916.84 ± 12.46
11000
10000
9000
8000
7000
6000
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

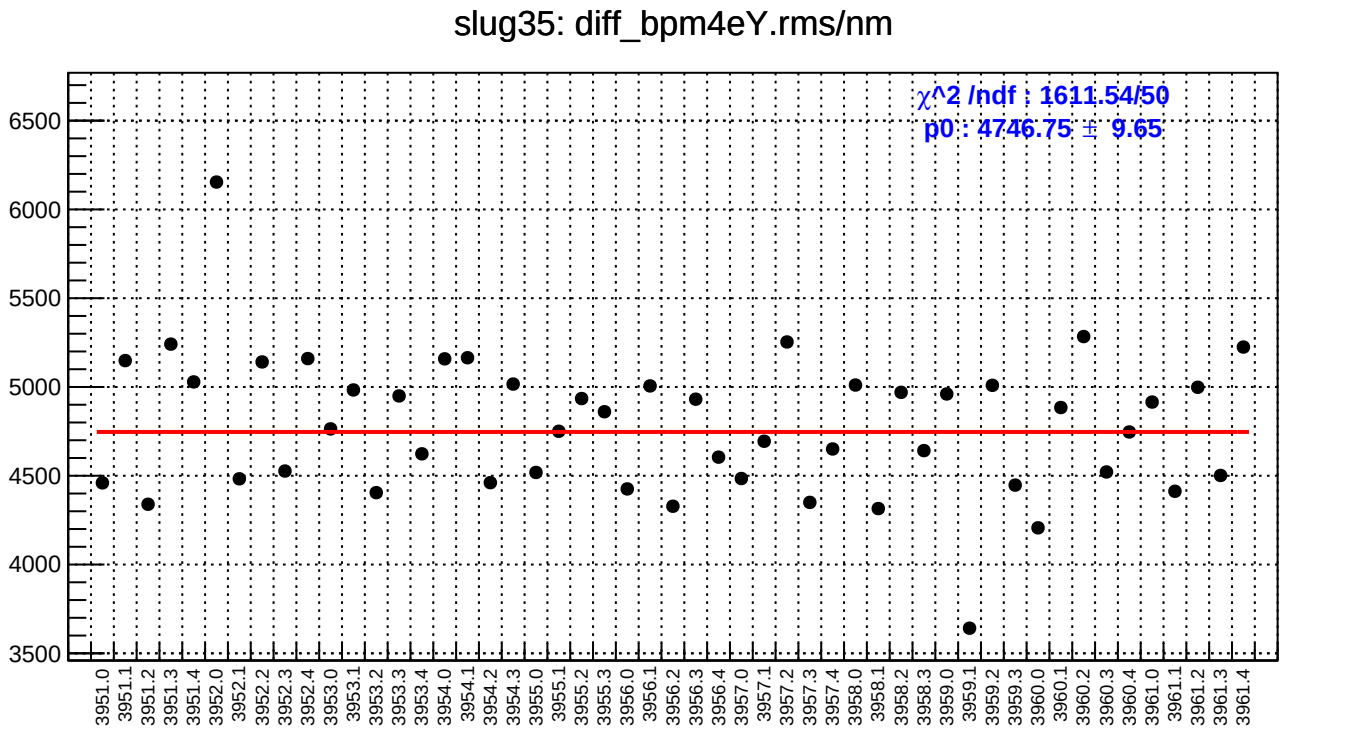

slug35: diff_bpm4eX.mean/nm
χ² / ndf 33.88 / 50
p0 −19.82 ± 15.69
300
200
100
0
−100
−200
−300
1.5
1
0.5
0
−0.5
−1
−1.5
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4


1D pull distribution
Mean 0.0295 ± 0.1141
Std Dev 0.8146 ± 0.08065
Underflow 0
Overflow 0
χ² / ndf 2.76 / 6
Constant 8.389 ± 1.574
Mean 0.02314 ± 0.17053
Sigma 0.9877 ± 0.1677
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


slug35: diff_bpm4eX.rms/nm
χ^2 /ndf : 358.86/50
p0 : 11291.28 ± 14.88
12500
12000
11500
11000
10500
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4


slug35: diff_bpm4eY.mean/nm
χ² / ndf 37.99 / 50
p0 9.391 ± 6.581


1D pull distribution
Mean −0.0109 ± 0.1209
Std Dev 0.8631 ± 0.08546
Underflow 0
Overflow 0
χ² / ndf 4.072 / 7
Constant 8.37 ± 1.55
Mean −0.03772 ± 0.15232
Sigma 0.9212 ± 0.1263


slug35: diff_bpm4eY.rms/nm
χ^2 /ndf : 1611.54/50
p0 : 4746.75 ± 9.65
6500
6000
5500
5000
4500
4000
3500
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
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3955.1
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3956.0
3956.1
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3957.0
3957.1
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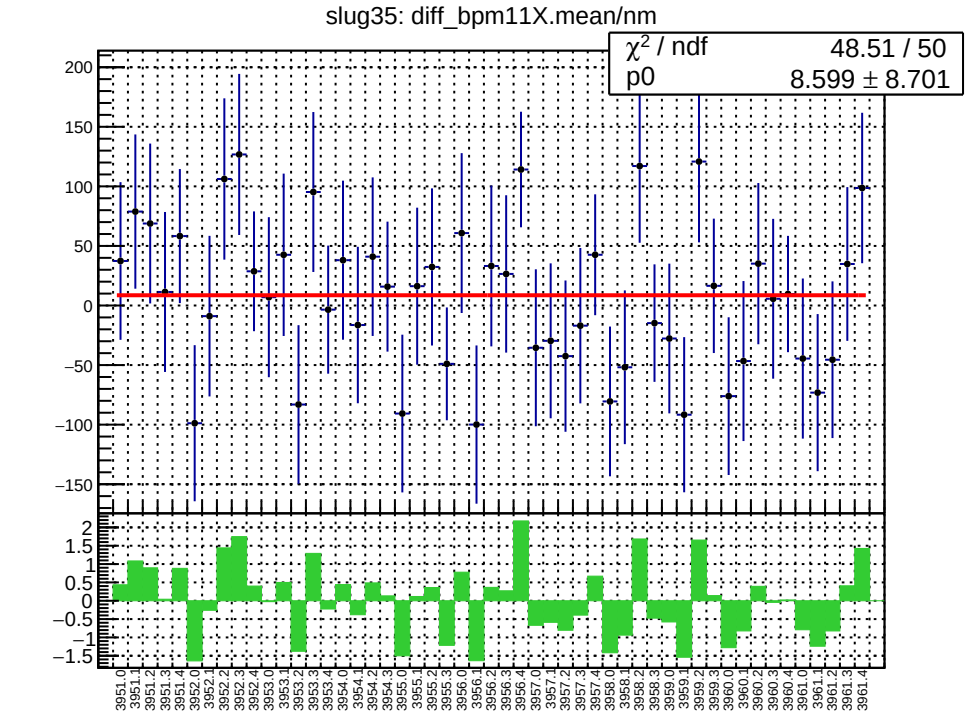
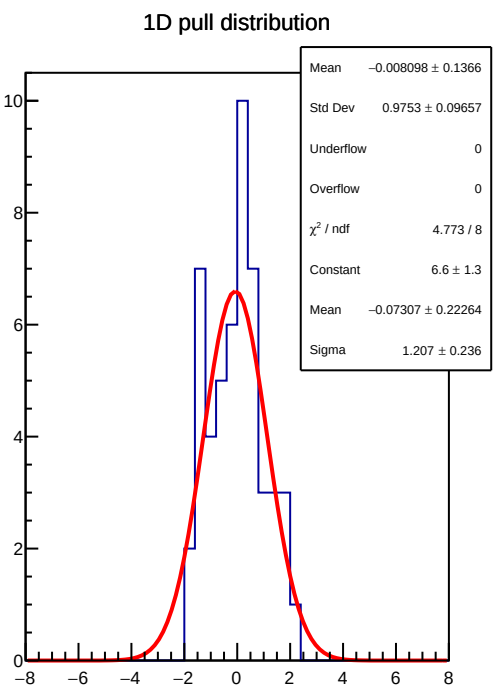
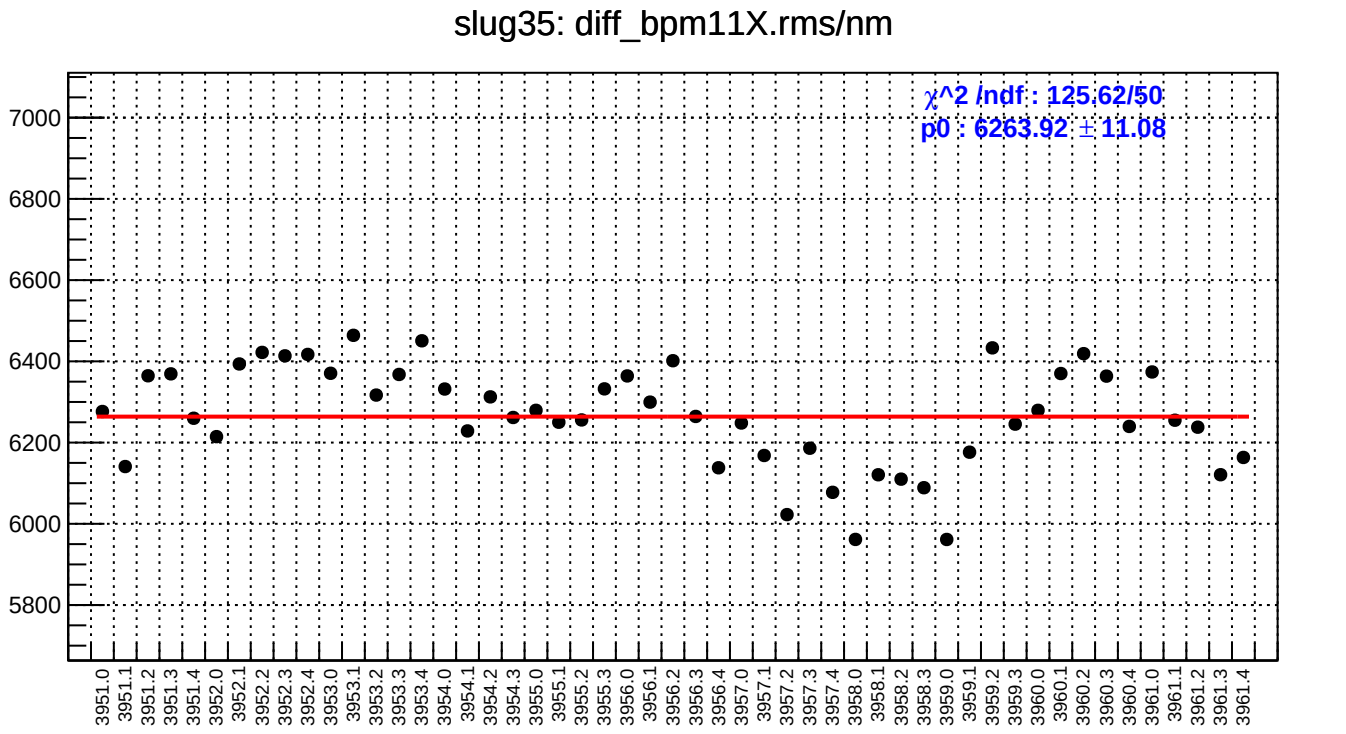
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4


slug35: diff_bpm11X.mean/nm
χ² / ndf 48.51 / 50
p0 8.599 ± 8.701


1D pull distribution
Mean −0.008098 ± 0.1366
Std Dev 0.9753 ± 0.09657
Underflow 0
Overflow 0
χ² / ndf 4.773 / 8
Constant 6.6 ± 1.3
Mean −0.07307 ± 0.22264
Sigma 1.207 ± 0.236


slug35: diff_bpm11X.rms/nm
χ^2 /ndf : 125.62/50
p0 : 6263.92 ± 11.08
7000
6800
6600
6400
6200
6000
5800
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
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3954.0
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3956.0
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3957.0
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3958.0
3958.1
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3959.1
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3960.0
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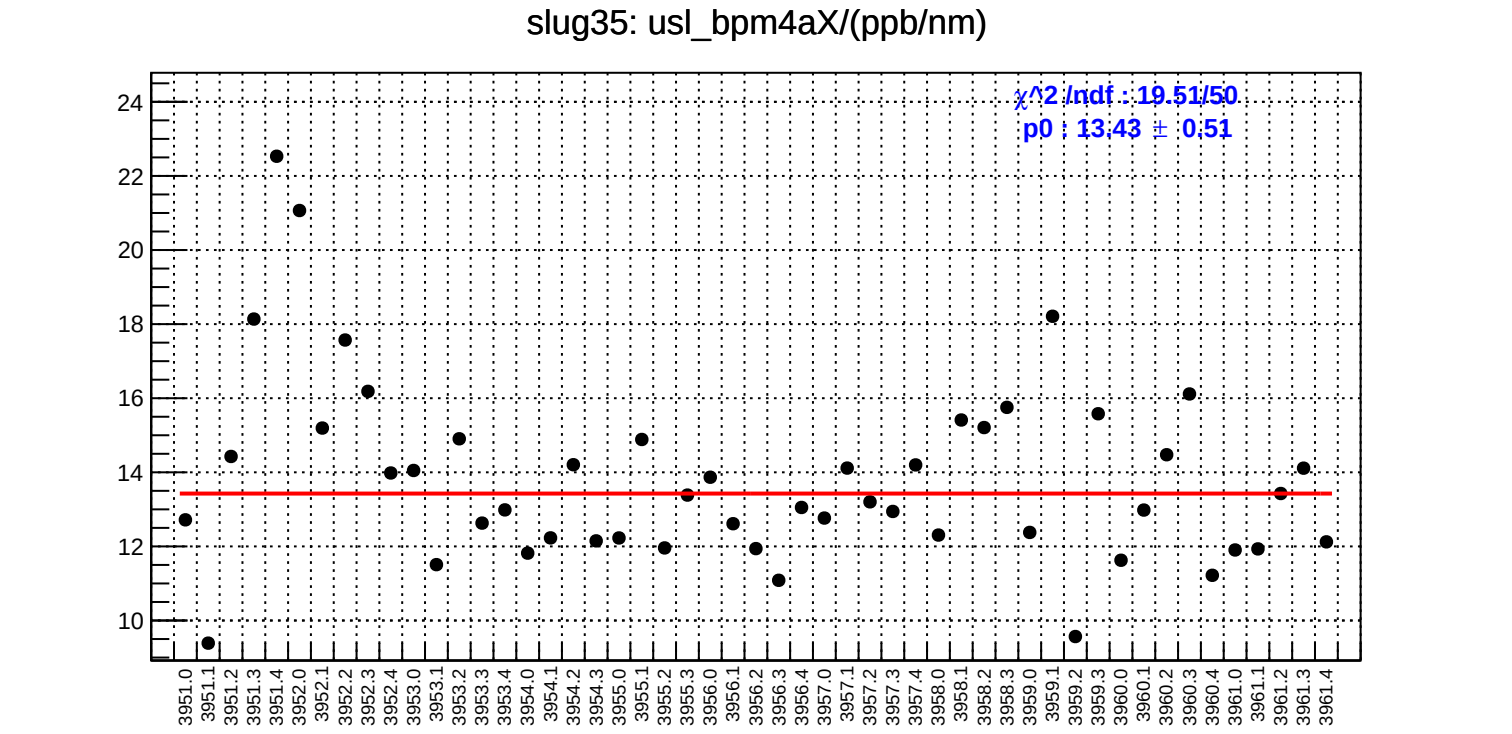
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4


slug35: usl_bpm4aX/(ppb/nm)
χ^2 /ndf : 19.51/50
p0 : 13.43 ± 0.51
24
22
20
18
16
14
12
10
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
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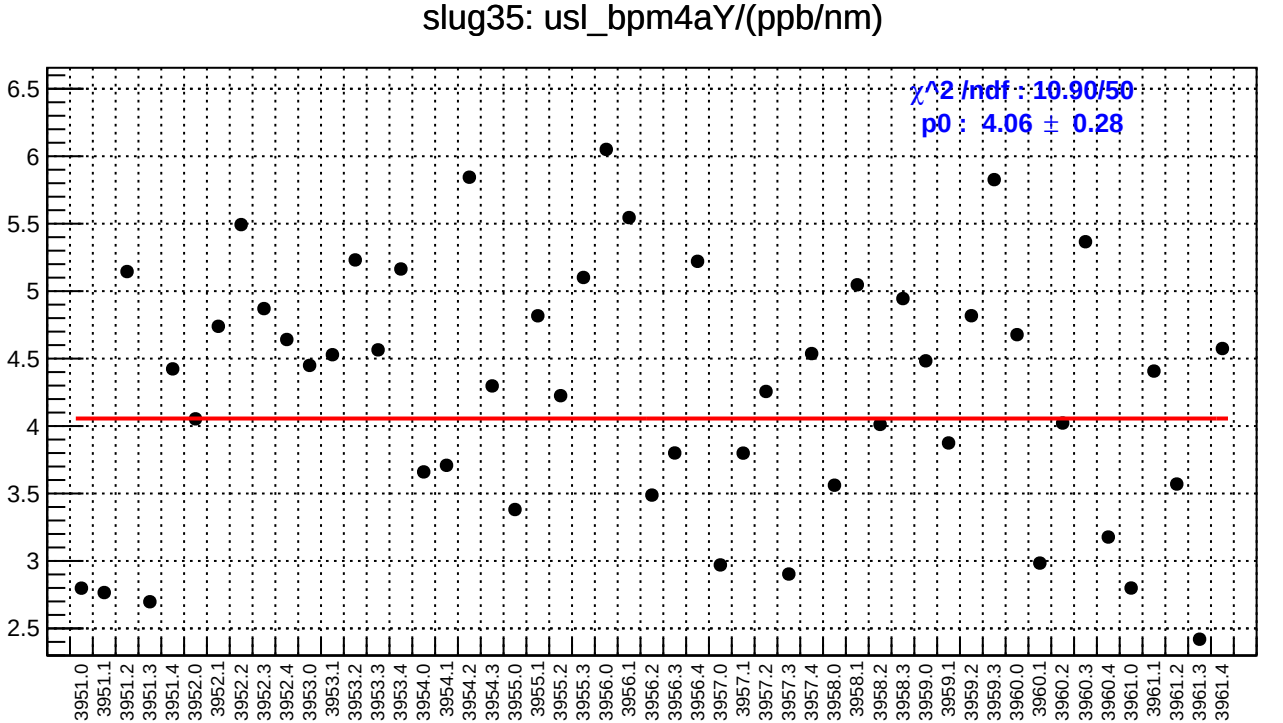
slug35: usl_bpm4aY/(ppb/nm)
χ^2 /ndf : 10.90/50
p0 : 4.06 ± 0.28
6.5
6
5.5
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4.5
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3.5
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2.5
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
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3954.0
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3957.0
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3961.0
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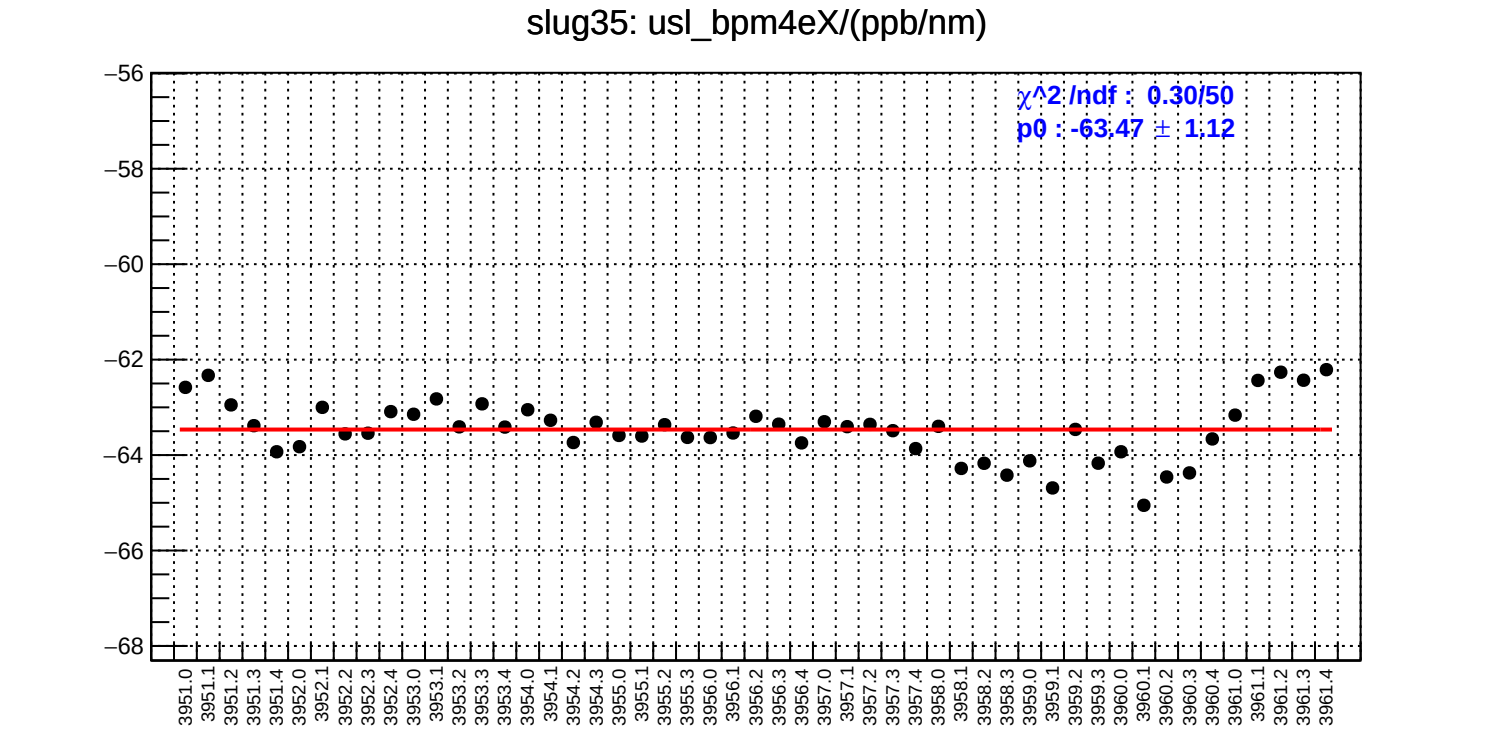
slug35: usl_bpm4eX/(ppb/nm)
χ^2 /ndf : 0.30/50
p0 : -63.47 ± 1.12
−56
−58
−60
−62
−64
−66
−68
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
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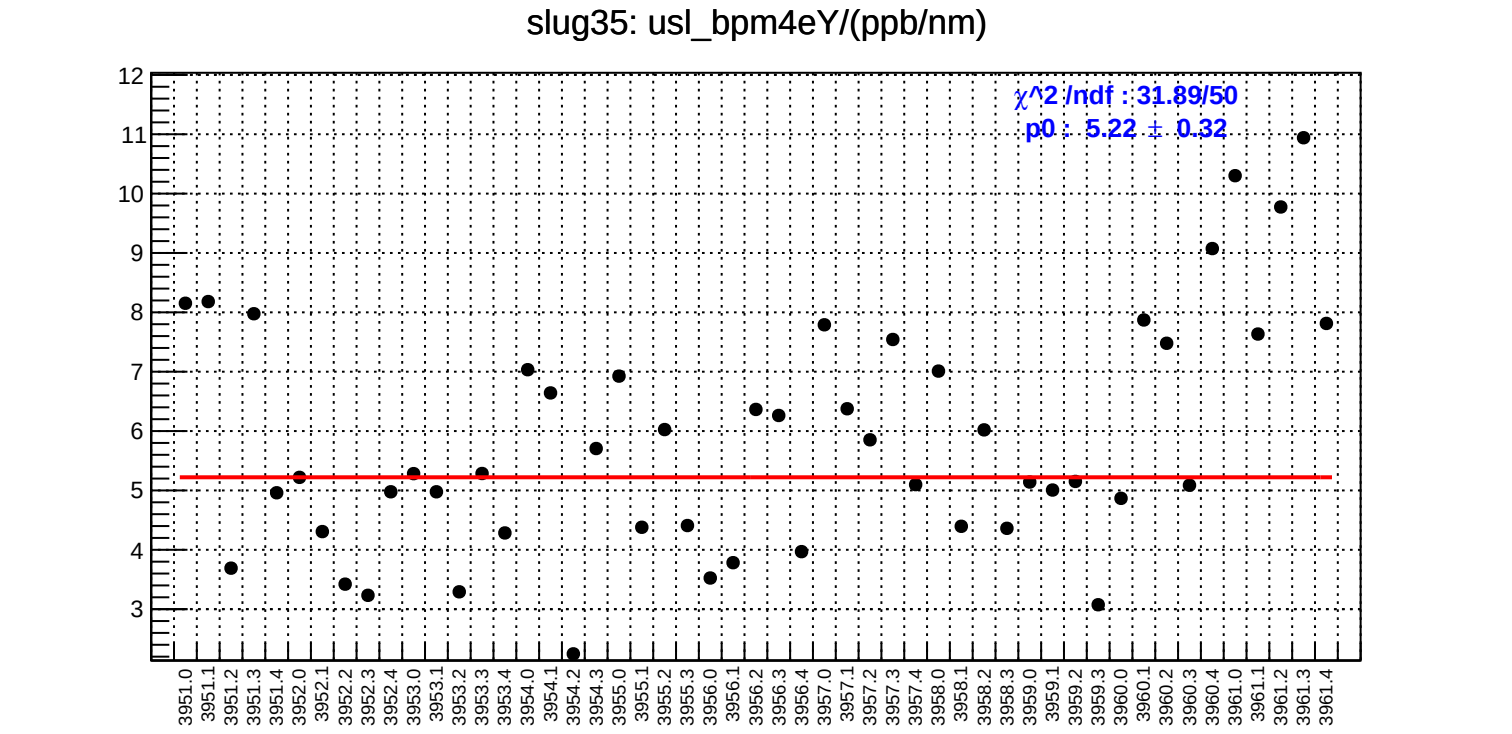
slug35: usl_bpm4eY/(ppb/nm)
χ^2 /ndf : 31.89/50
p0 : 5.22 ± 0.32
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3951.0
3951.1
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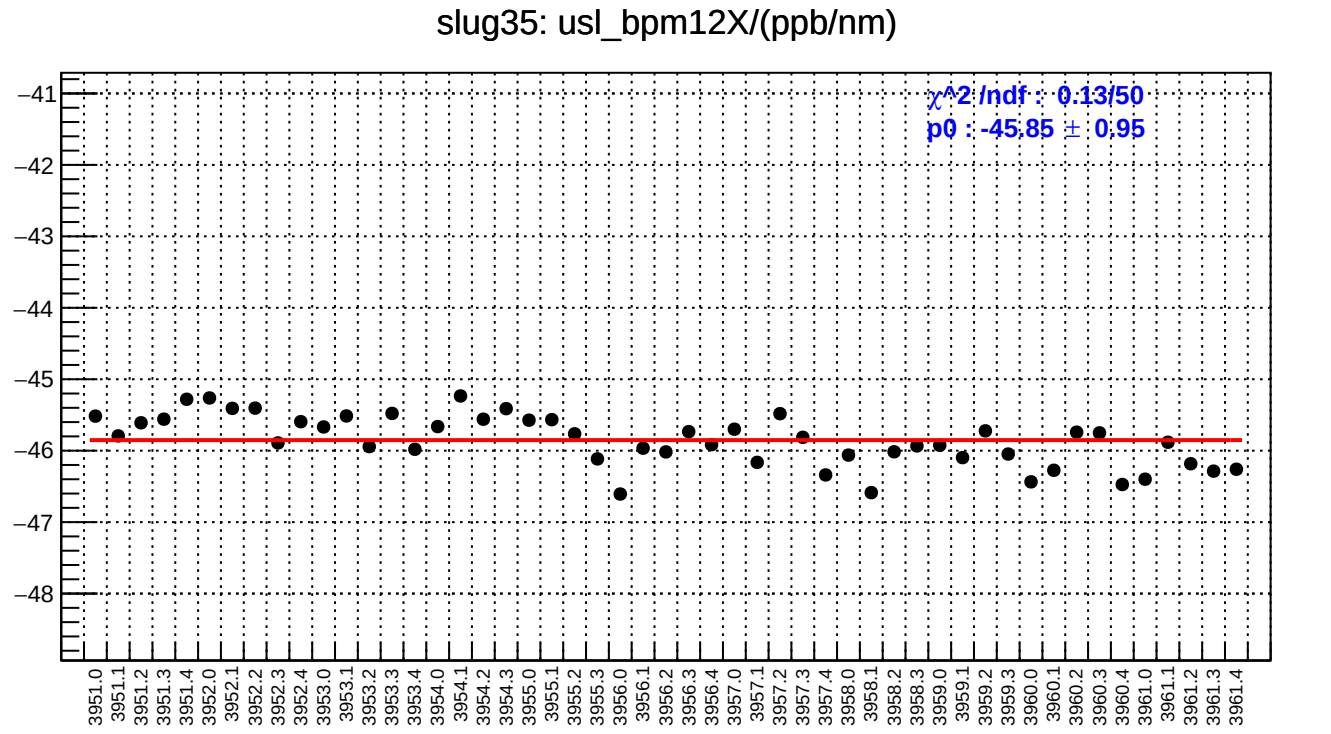
slug35: usl_bpm12X/(ppb/nm)
χ^2 /ndf : 0.13/50
p0 : -45.85 ± 0.95
−41
−42
−43
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−46
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3951.0
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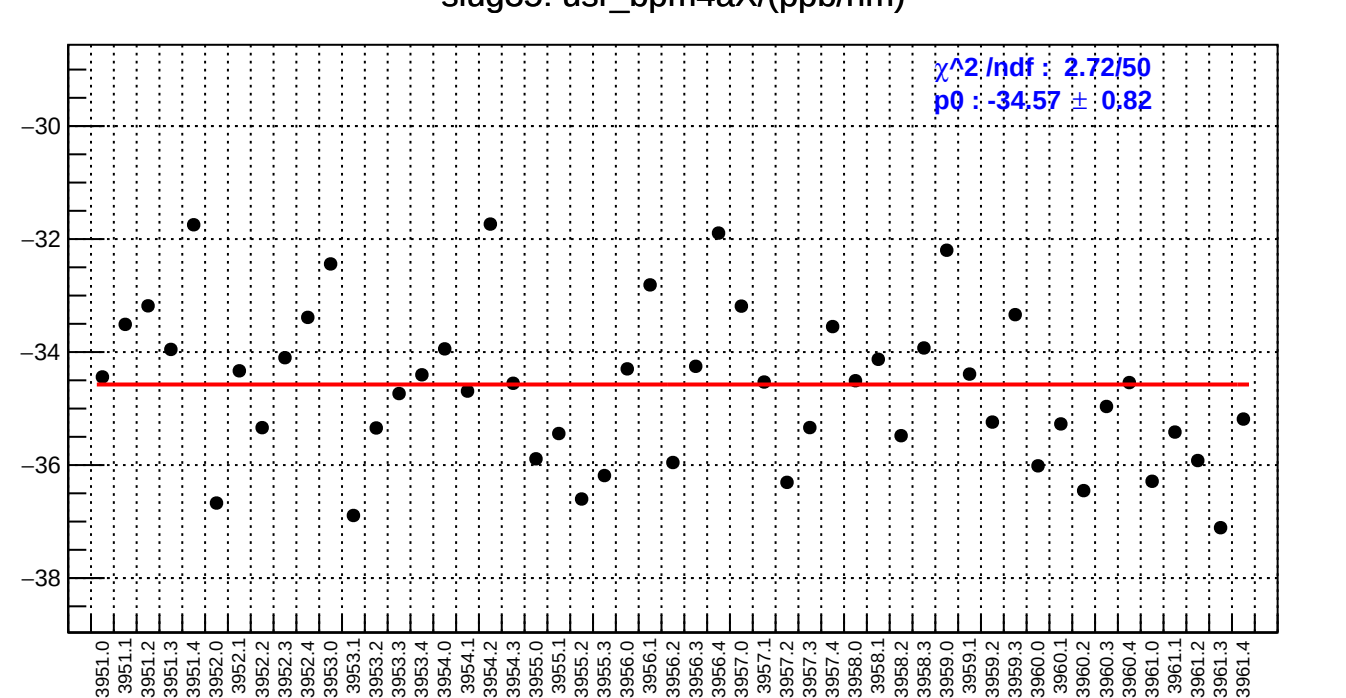
slug35: usr_bpm4aX/(ppb/nm)
χ^2 /ndf : 2.72/50
p0 : -34.57 ± 0.82
−30
−32
−34
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3951.0
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3952.0
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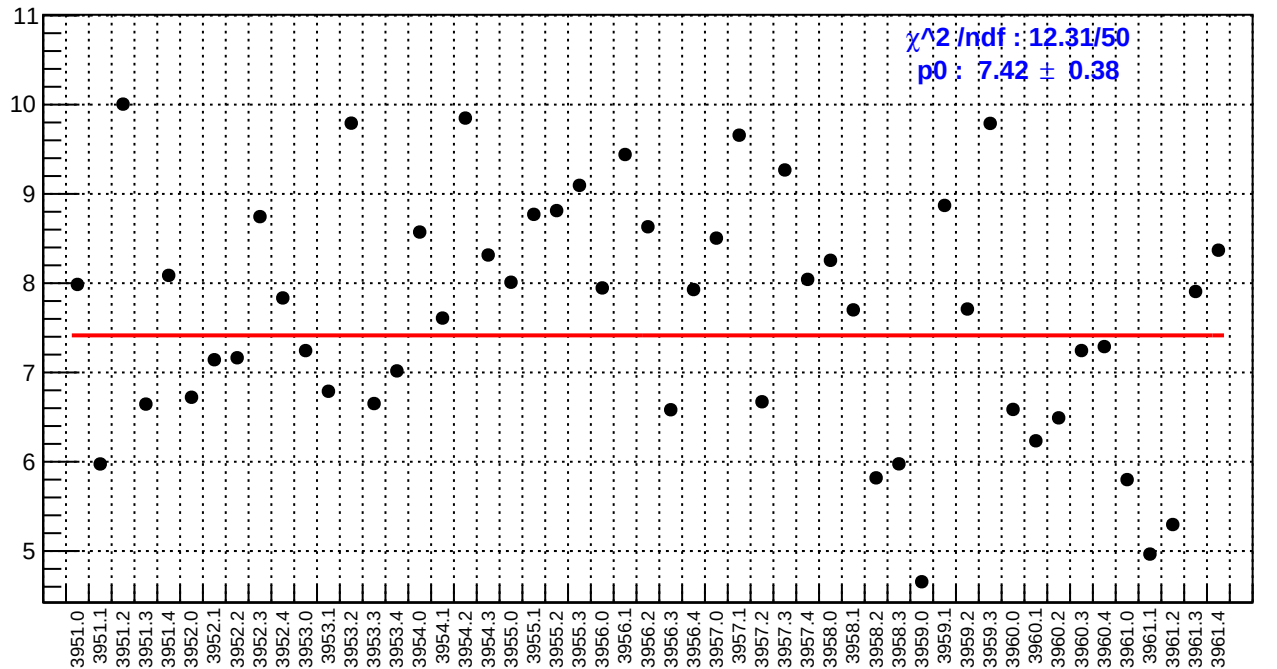
slug35: usr_bpm4aY/(ppb/nm)
χ^2 /ndf : 12.31/50
p0 : 7.42 ± 0.38
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3951.0
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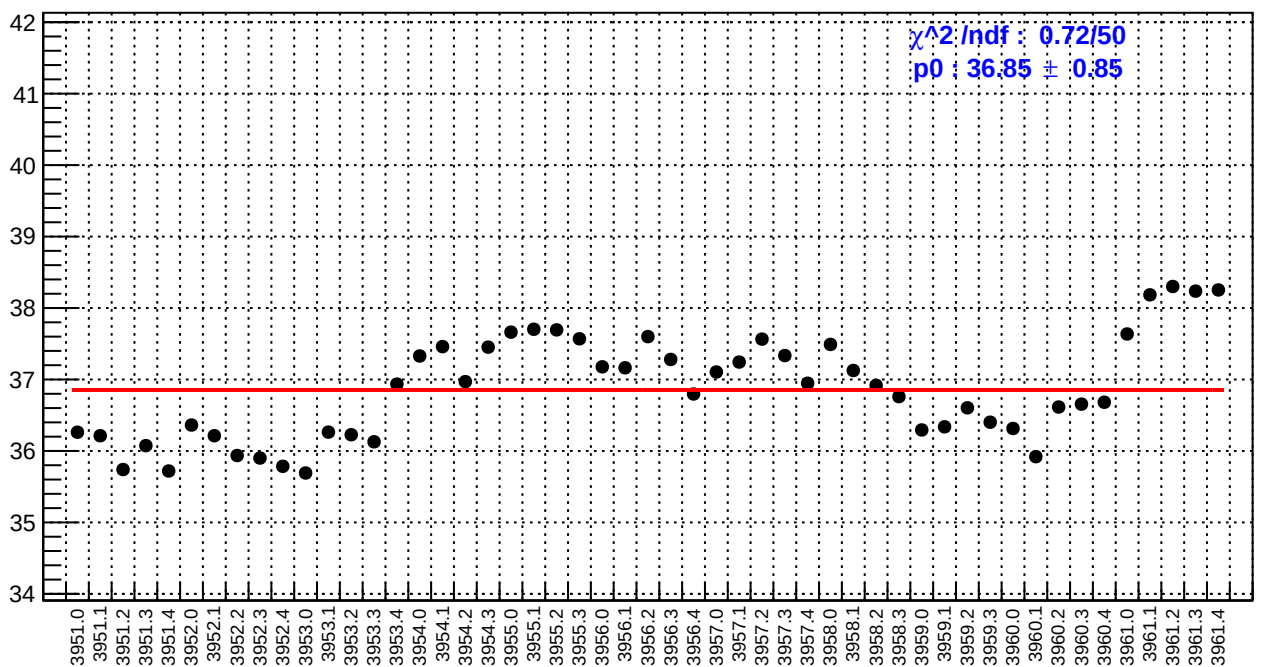
slug35: usr_bpm4eX/(ppb/nm)
χ^2 /ndf : 0.72/50
p0 : 36.85 ± 0.85
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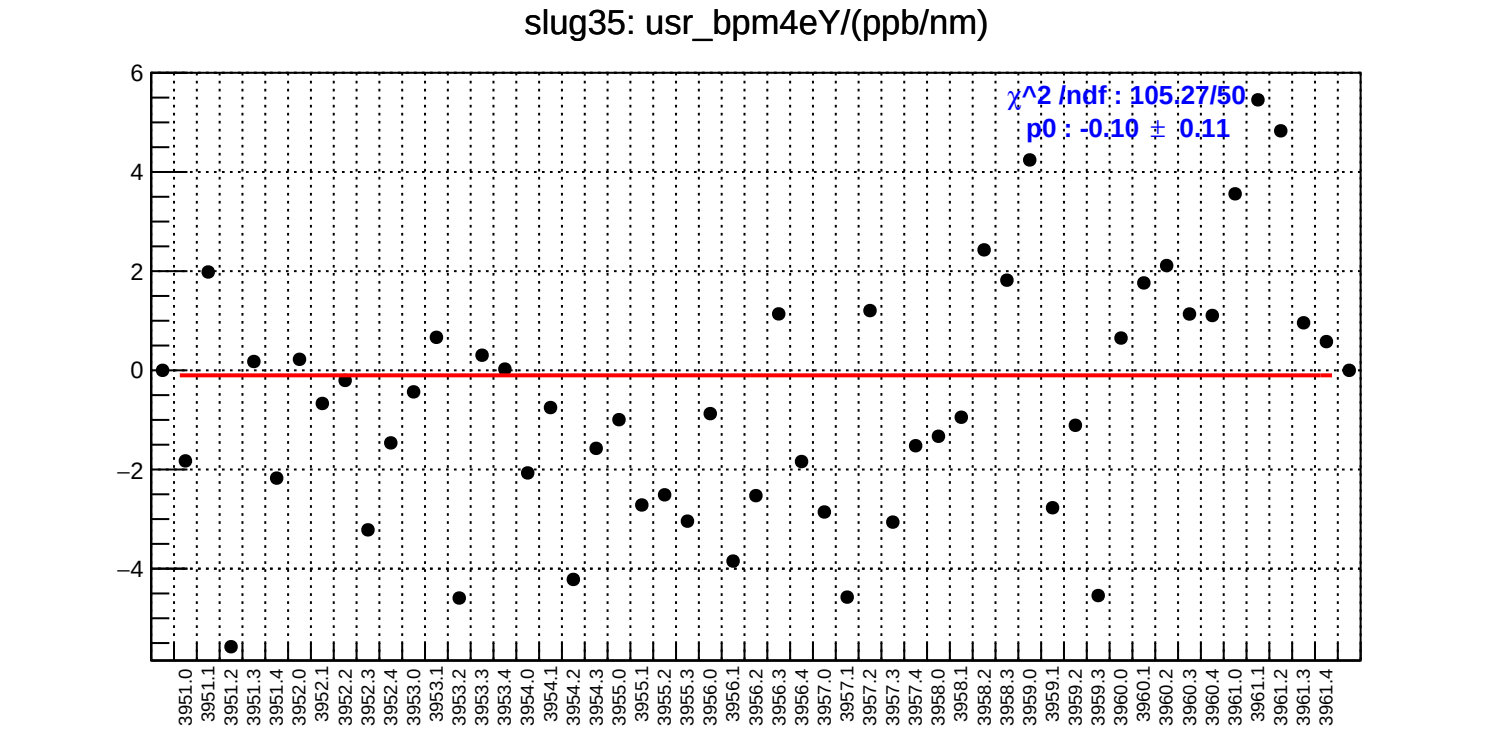
slug35: usr_bpm4eY/(ppb/nm)
χ^2 /ndf : 105.27/50
p0 : -0.10 ± 0.11
6
4
2
0
−2
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3951.0
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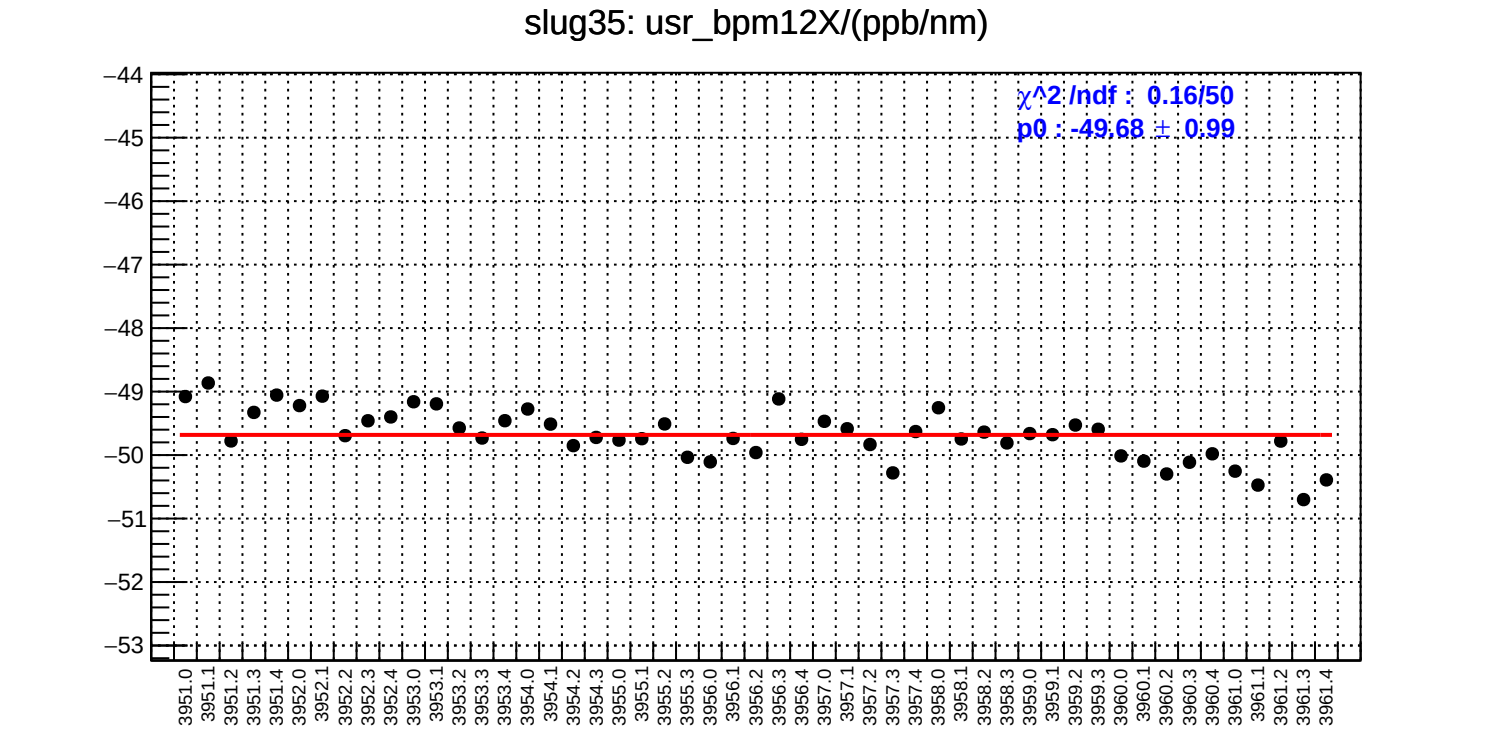
slug35: usr_bpm12X/(ppb/nm)
χ^2 /ndf : 0.16/50
p0 : -49.68 ± 0.99
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−51
−52
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3951.0
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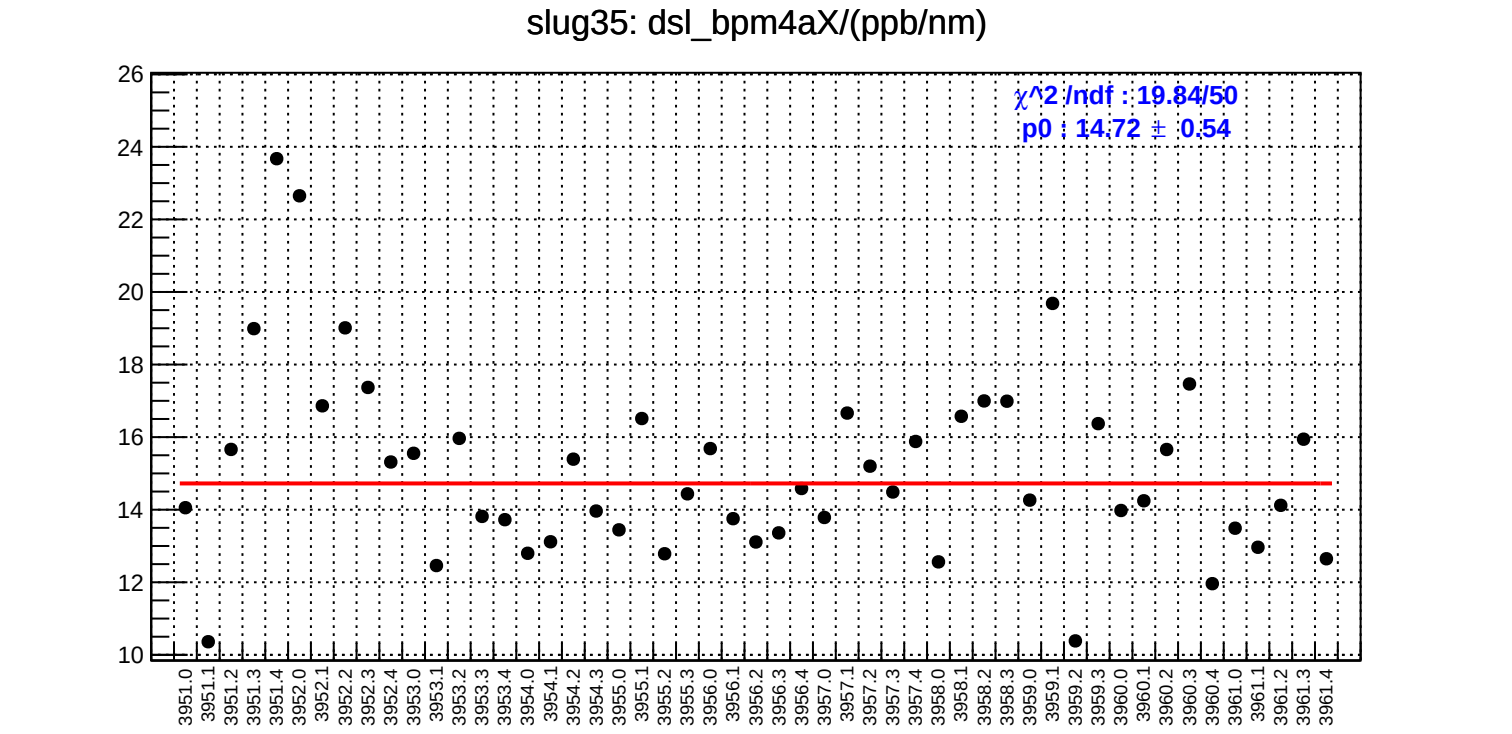
slug35: dsl_bpm4aX/(ppb/nm)
χ^2 /ndf : 19.84/50
p0 : 14.72 ± 0.54
26
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3951.0
3951.1
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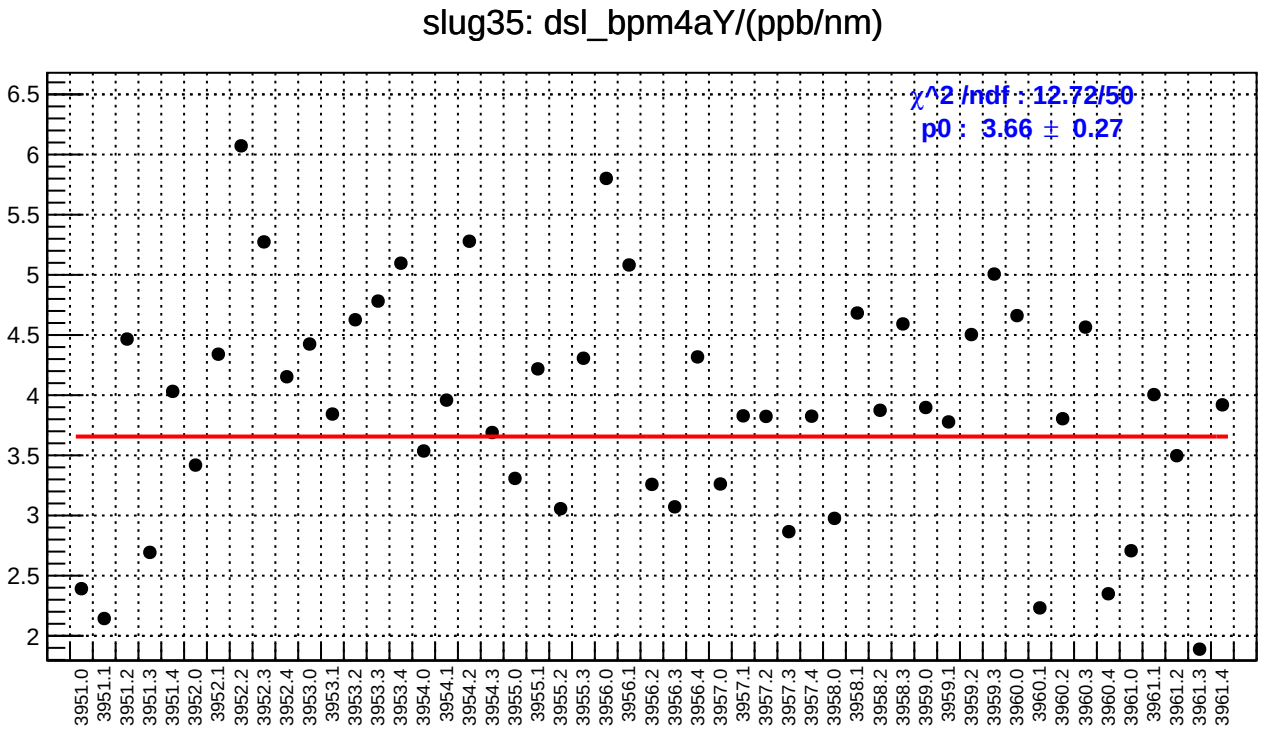
slug35: dsl_bpm4aY/(ppb/nm)
χ^2 /ndf : 12.72/50
p0 : 3.66 ± 0.27
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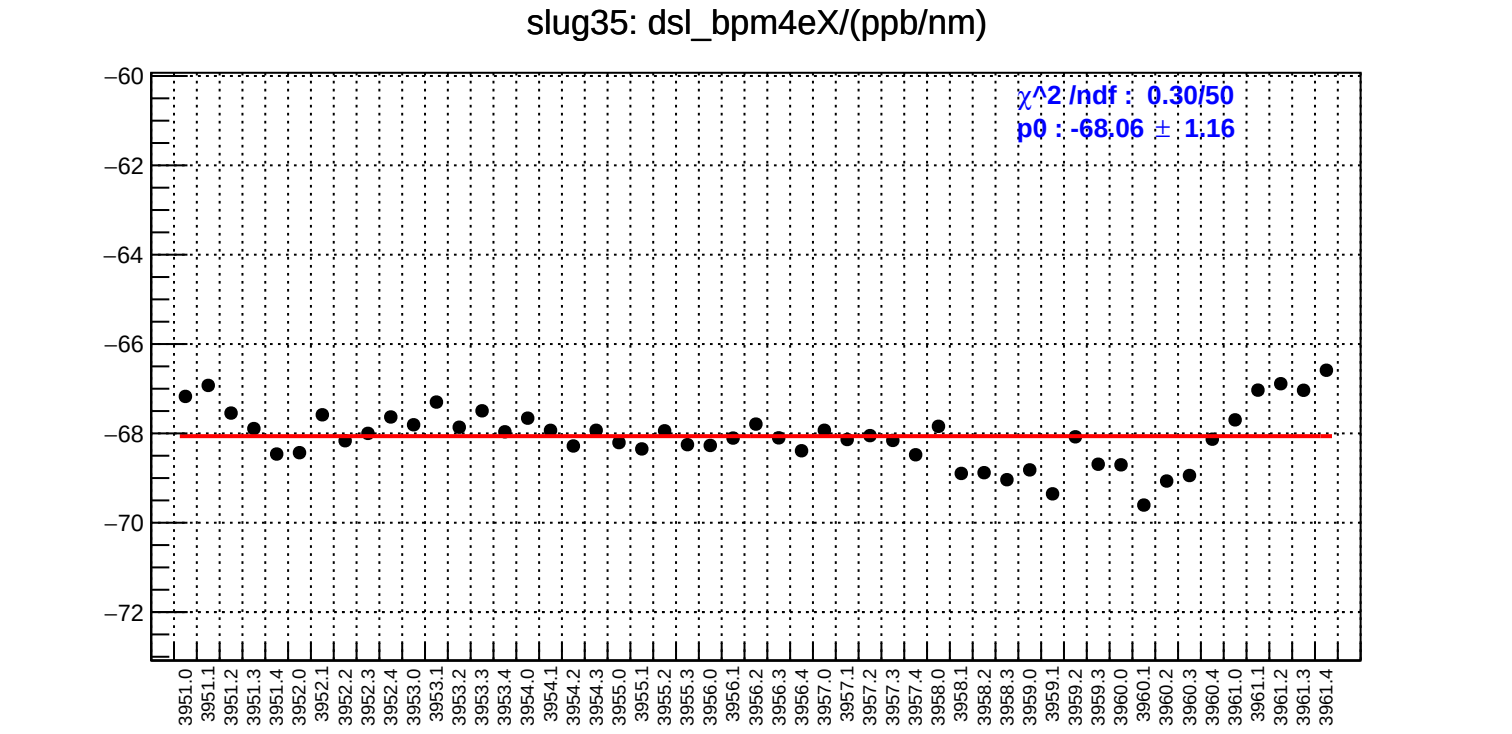
slug35: dsl_bpm4eX/(ppb/nm)
χ^2 /ndf : 0.30/50
p0 : -68.06 ± 1.16
−60
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3951.0
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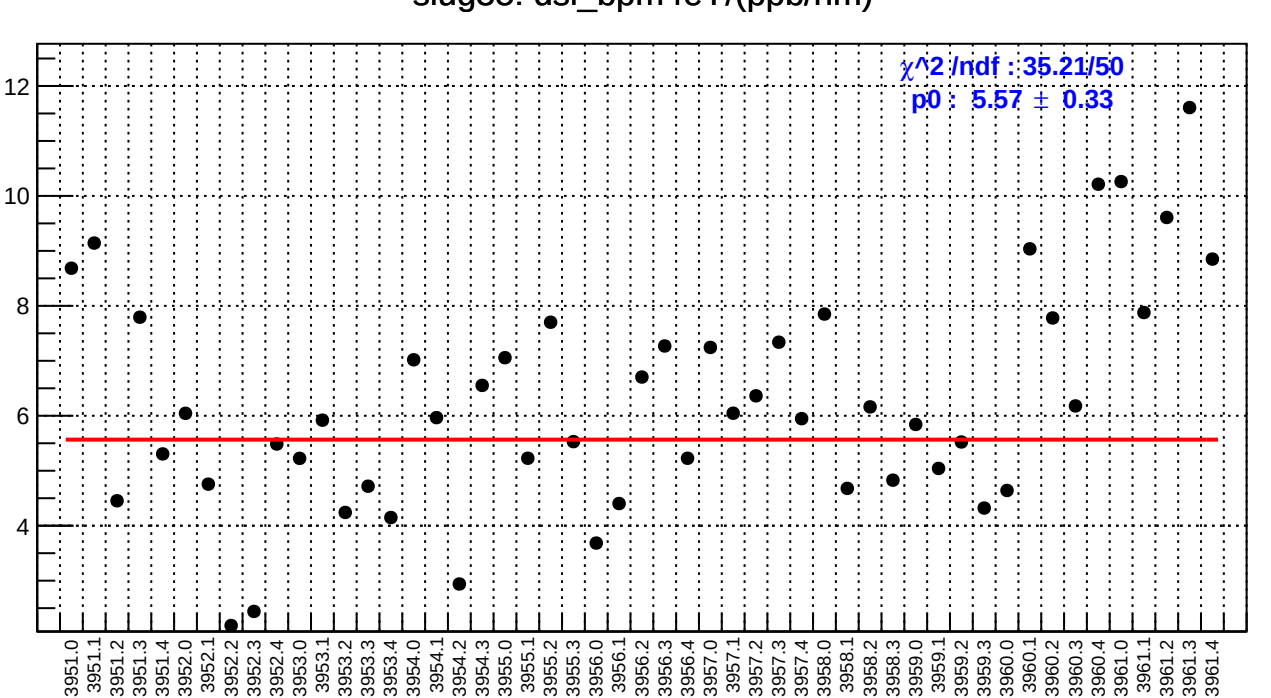
slug35: dsl_bpm4eY/(ppb/nm)
χ^2 /ndf : 35.21/50
p0 : 5.57 ± 0.33
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3951.0
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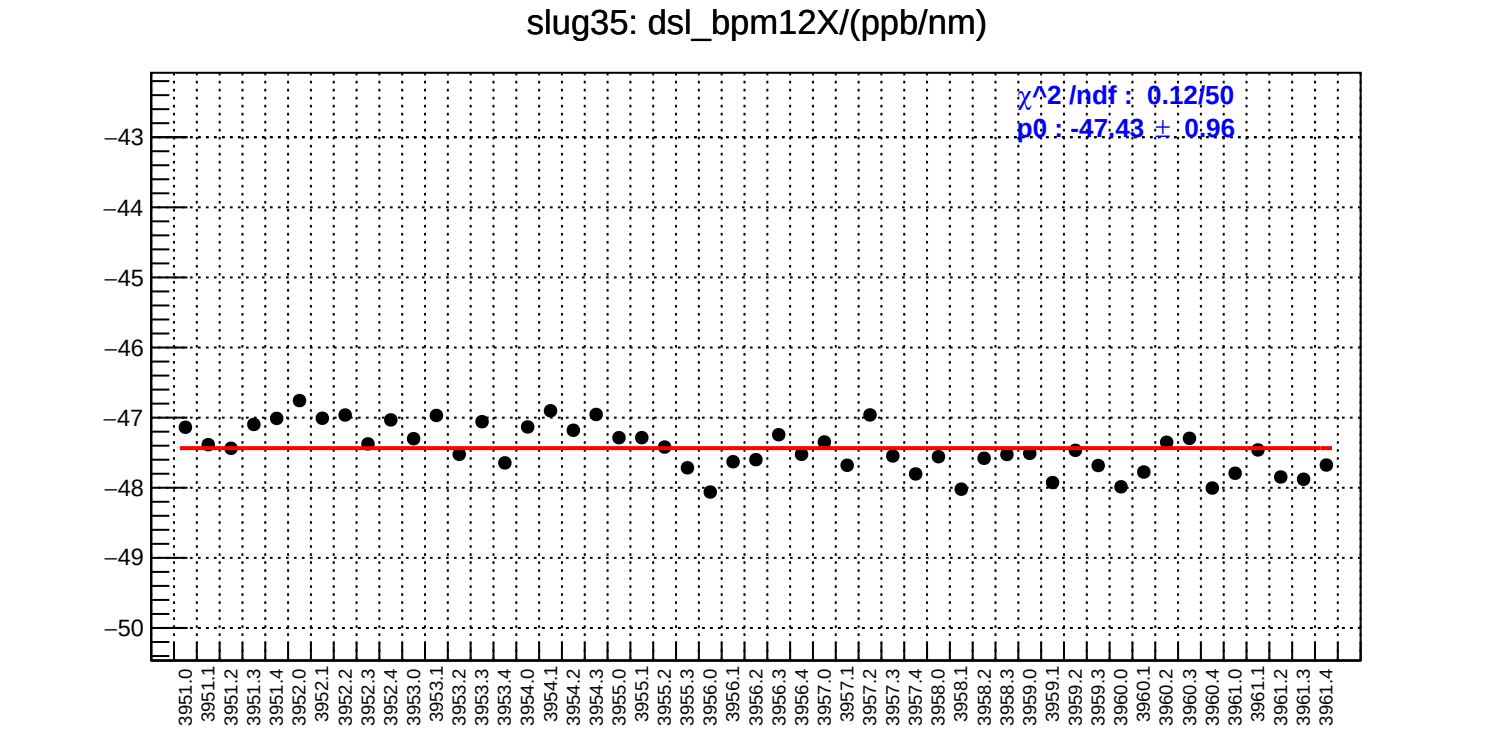
slug35: dsl_bpm12X/(ppb/nm)
χ^2 /ndf : 0.12/50
p0 : -47.43 ± 0.96
−43
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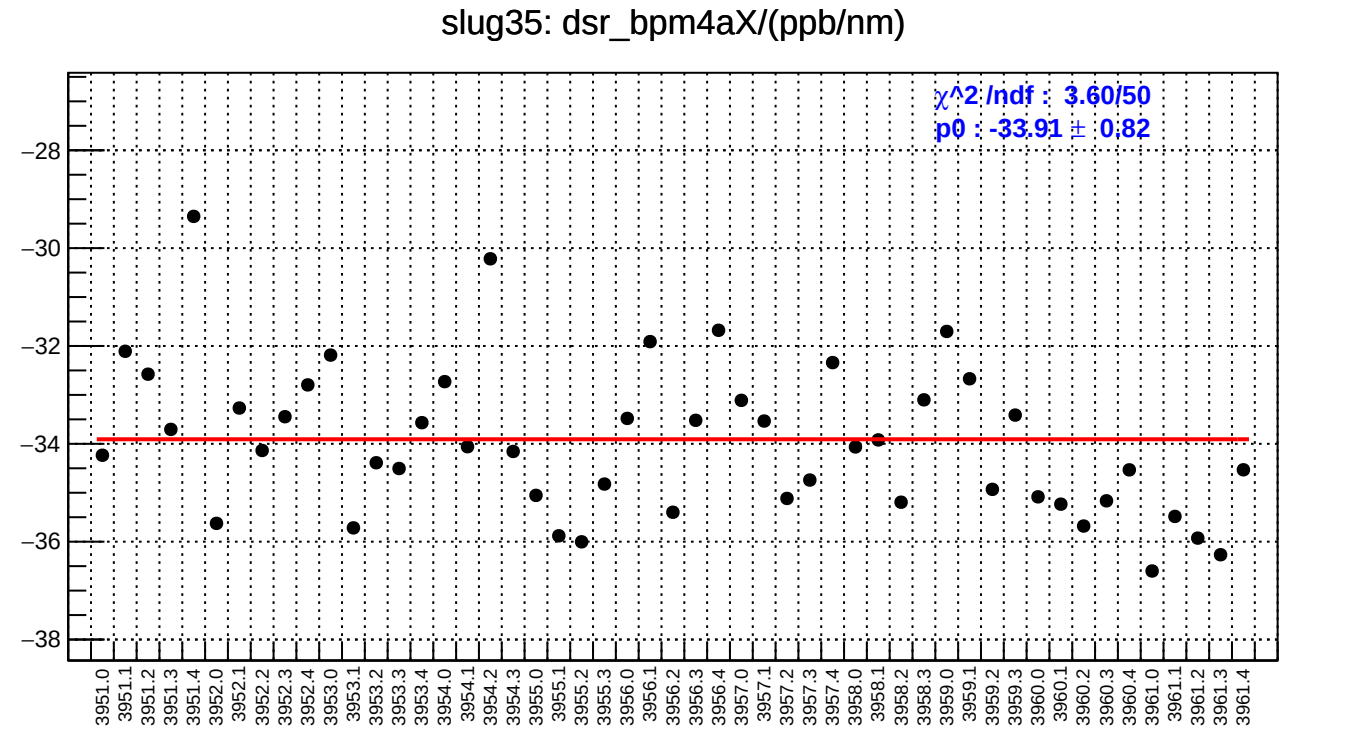
slug35: dsr_bpm4aX/(ppb/nm)
χ^2 /ndf : 3.60/50
p0 : -33.91 ± 0.82
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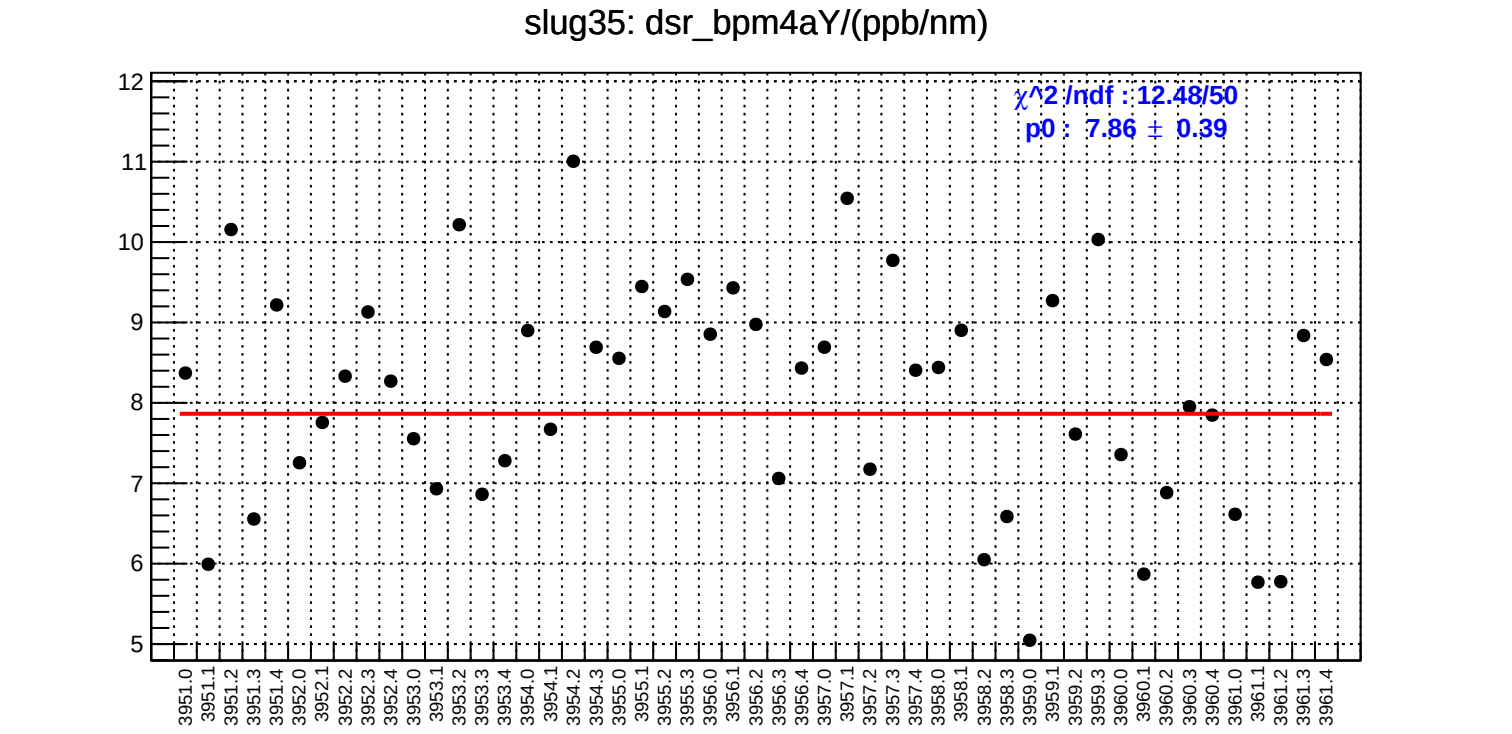
slug35: dsr_bpm4aY/(ppb/nm)
χ^2 /ndf : 12.48/50
p0 : 7.86 ± 0.39
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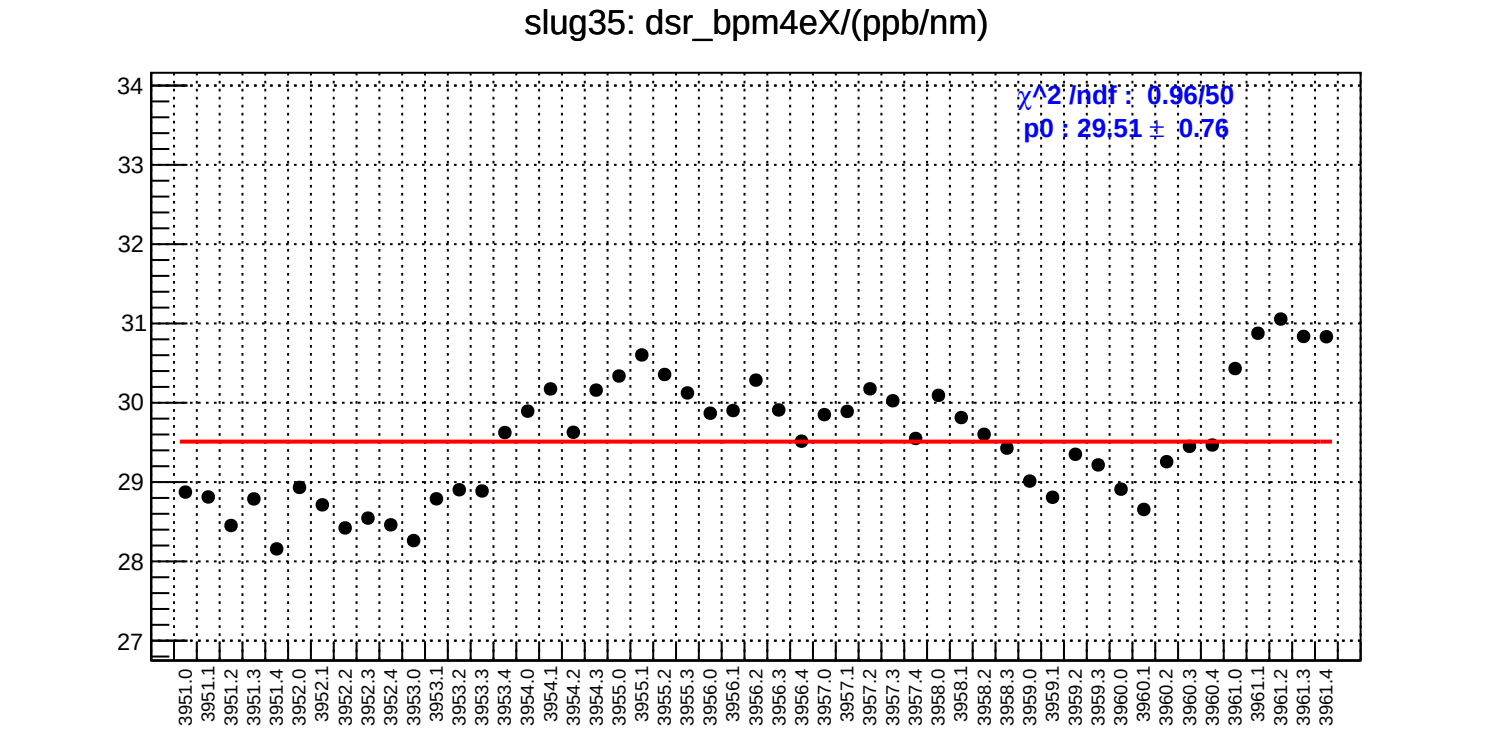
slug35: dsr_bpm4eX/(ppb/nm)
χ^2 /ndf : 0.96/50
p0 : 29.51 ± 0.76
34
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32
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3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
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3952.2
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3956.0
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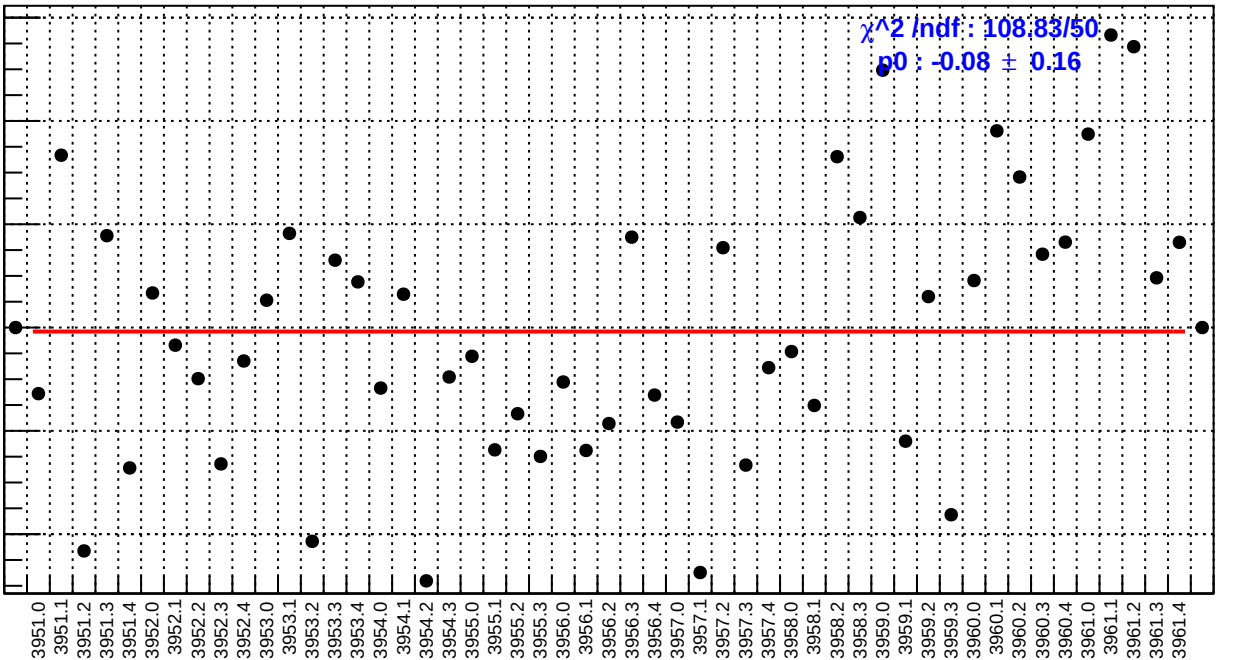
slug35: dsr_bpm4eY/(ppb/nm)
χ^2 /ndf : 108.83/50
p0 : -0.08 ± 0.16
6
4
2
0
−2
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3951.0
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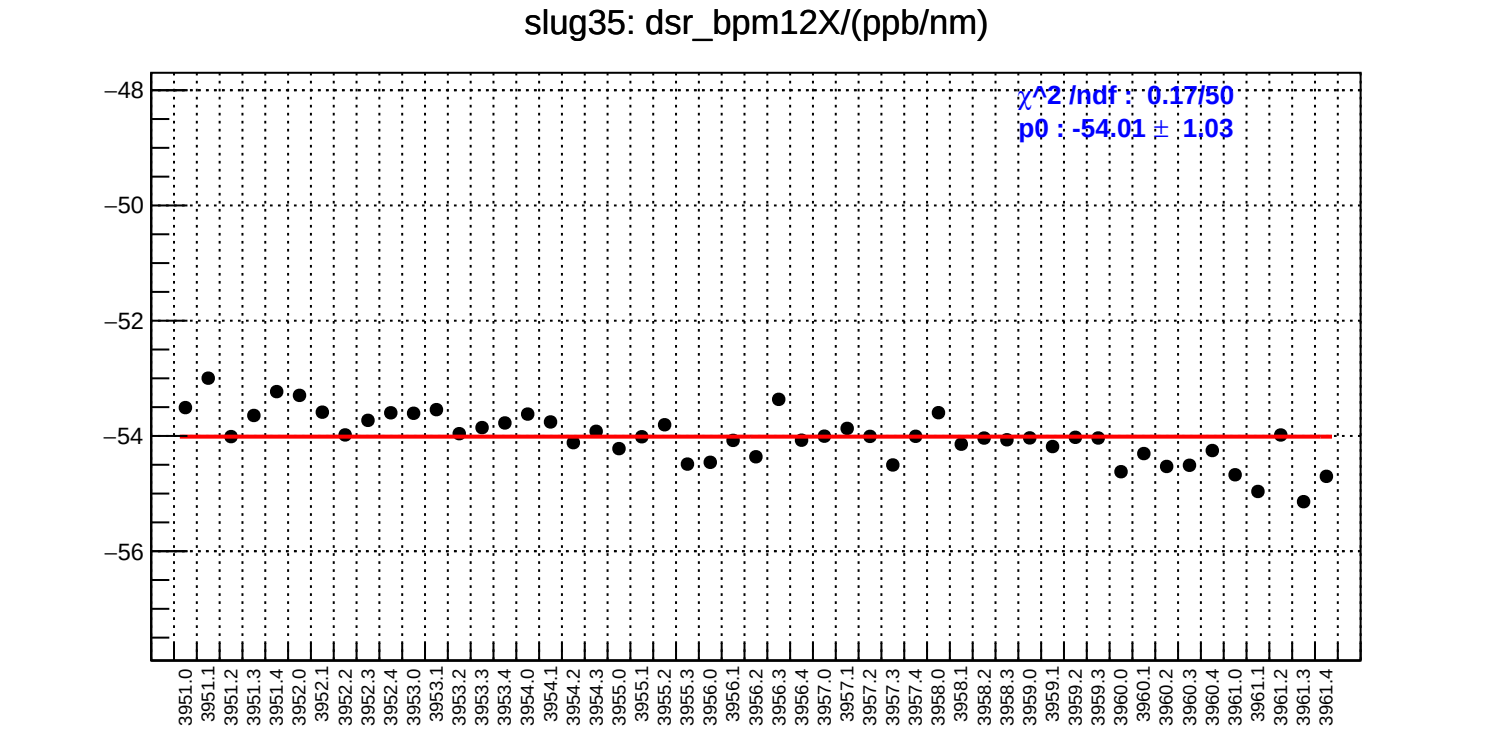
slug35: dsr_bpm12X/(ppb/nm)
χ^2 /ndf : 0.17/50
p0 : -54.01 ± 1.03
−48
−50
−52
−54
−56
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
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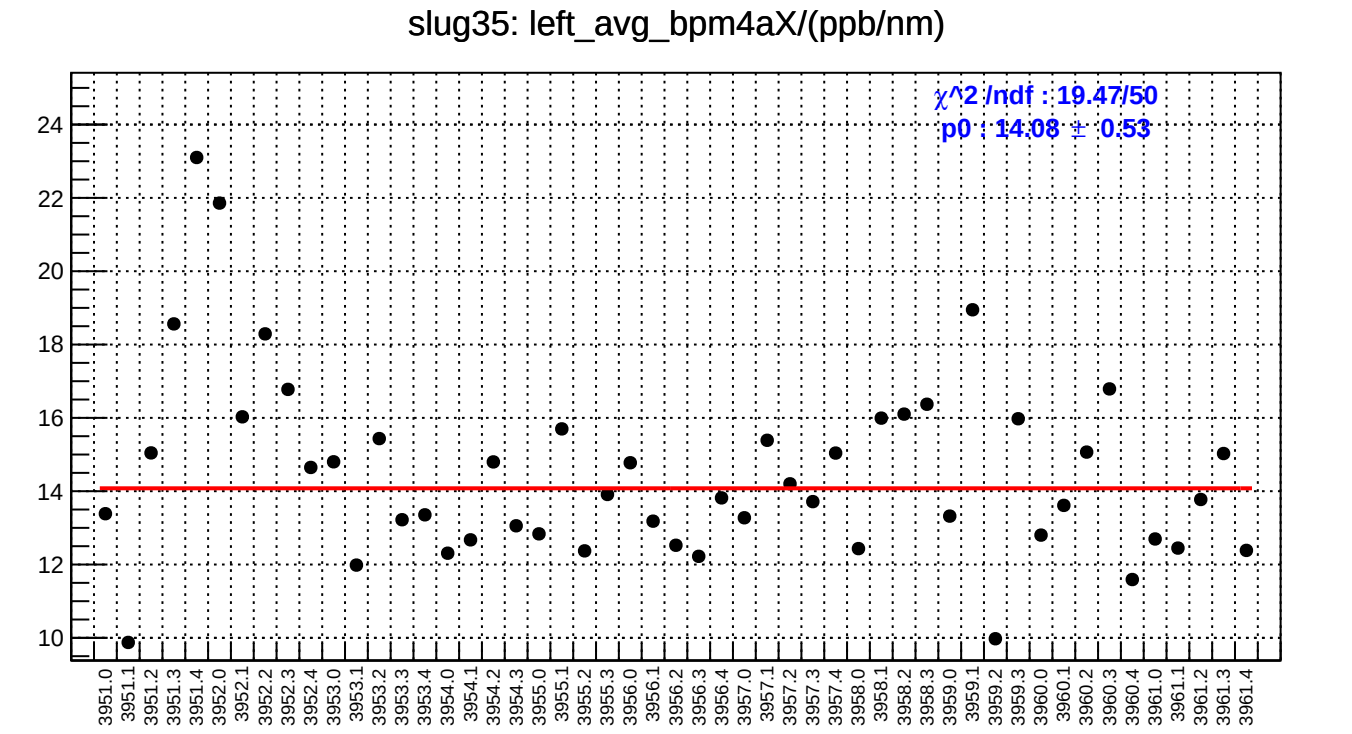
slug35: left_avg_bpm4aX/(ppb/nm)
χ^2 /ndf : 19.47/50
p0 : 14.08 ± 0.53
24
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18
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3951.0
3951.1
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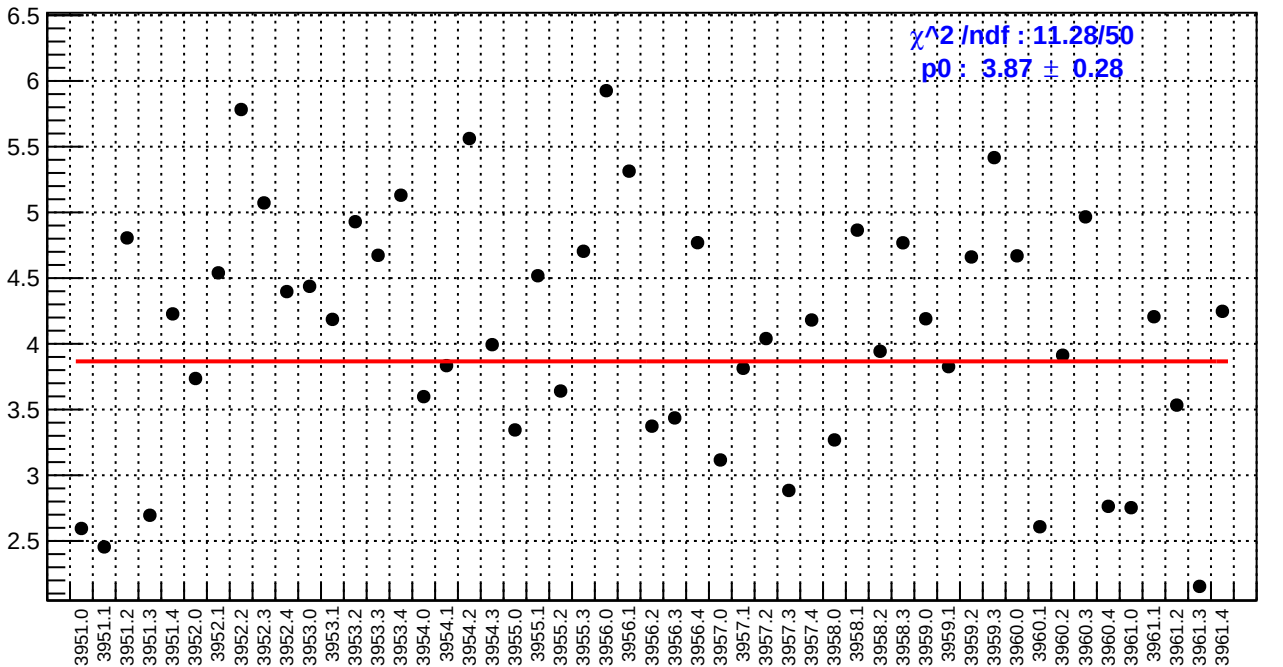
slug35: left_avg_bpm4aY/(ppb/nm)
χ^2 /ndf : 11.28/50
p0 : 3.87 ± 0.28
6.5
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5.5
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3951.0
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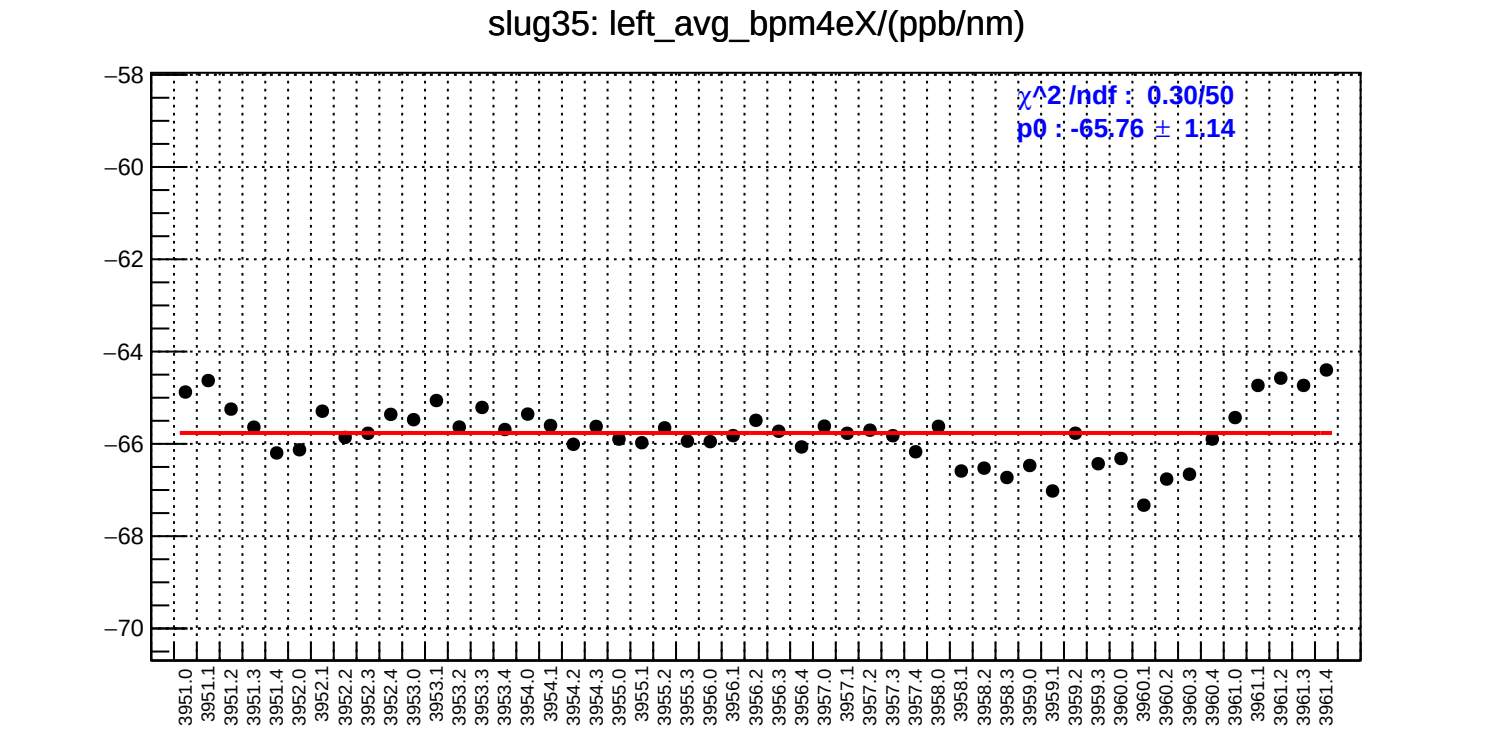
slug35: left_avg_bpm4eX/(ppb/nm)
χ^2 /ndf : 0.30/50
p0 : -65.76 ± 1.14
−58
−60
−62
−64
−66
−68
−70
3951.0
3951.1
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3952.0
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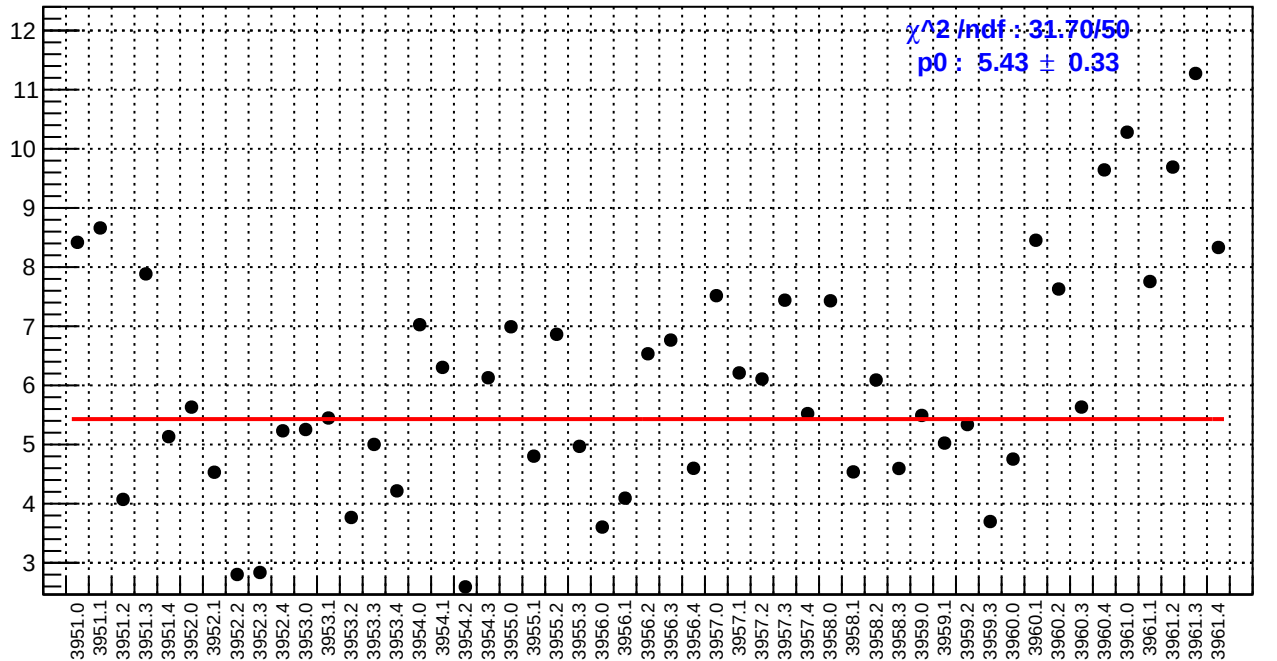
slug35: left_avg_bpm4eY/(ppb/nm)
χ^2/ndf : 31.70/50
p0 : 5.43 ± 0.33
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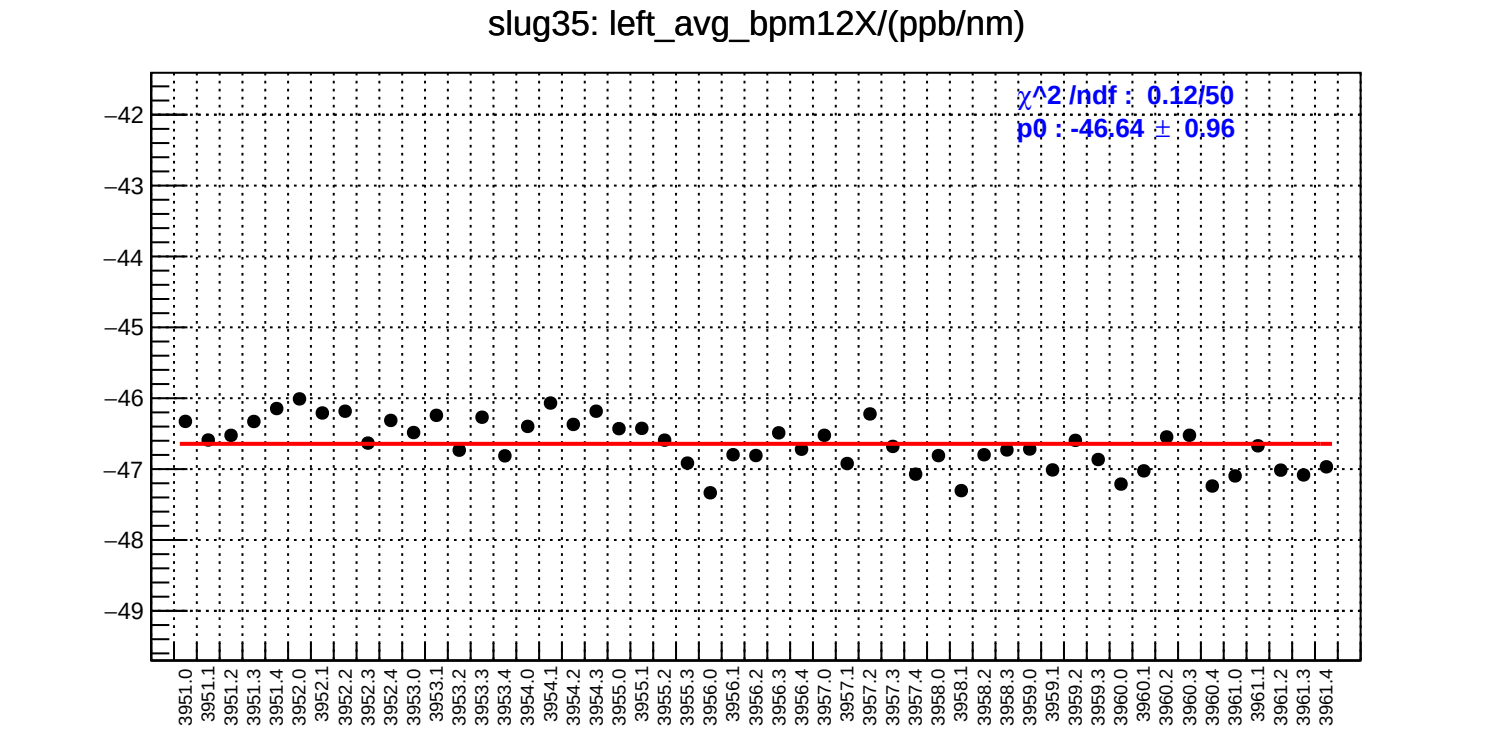
slug35: left_avg_bpm12X/(ppb/nm)
χ^2 /ndf : 0.12/50
p0 : -46.64 ± 0.96
−42
−43
−44
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3951.0
3951.1
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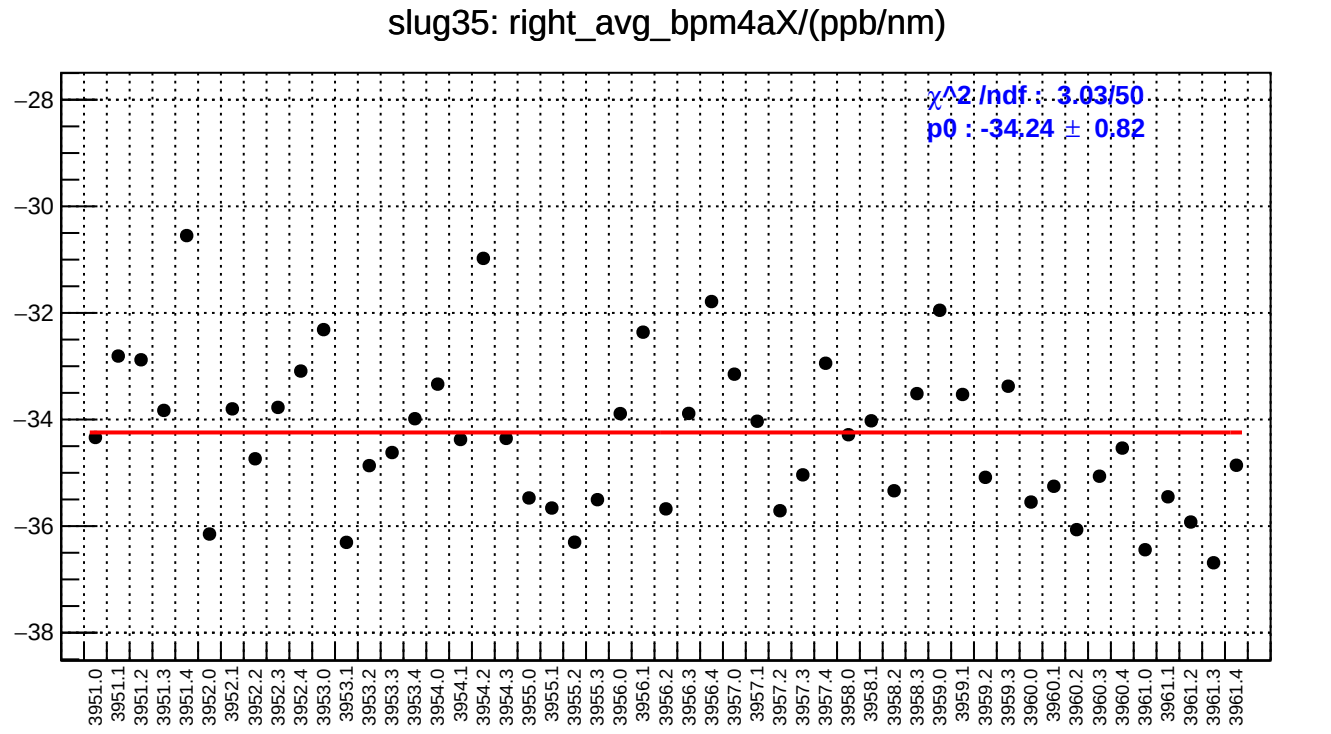
slug35: right_avg_bpm4aX/(ppb/nm)
χ^2 /ndf : 3.03/50
p0 : -34.24 ± 0.82
−28
−30
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3951.0
3951.1
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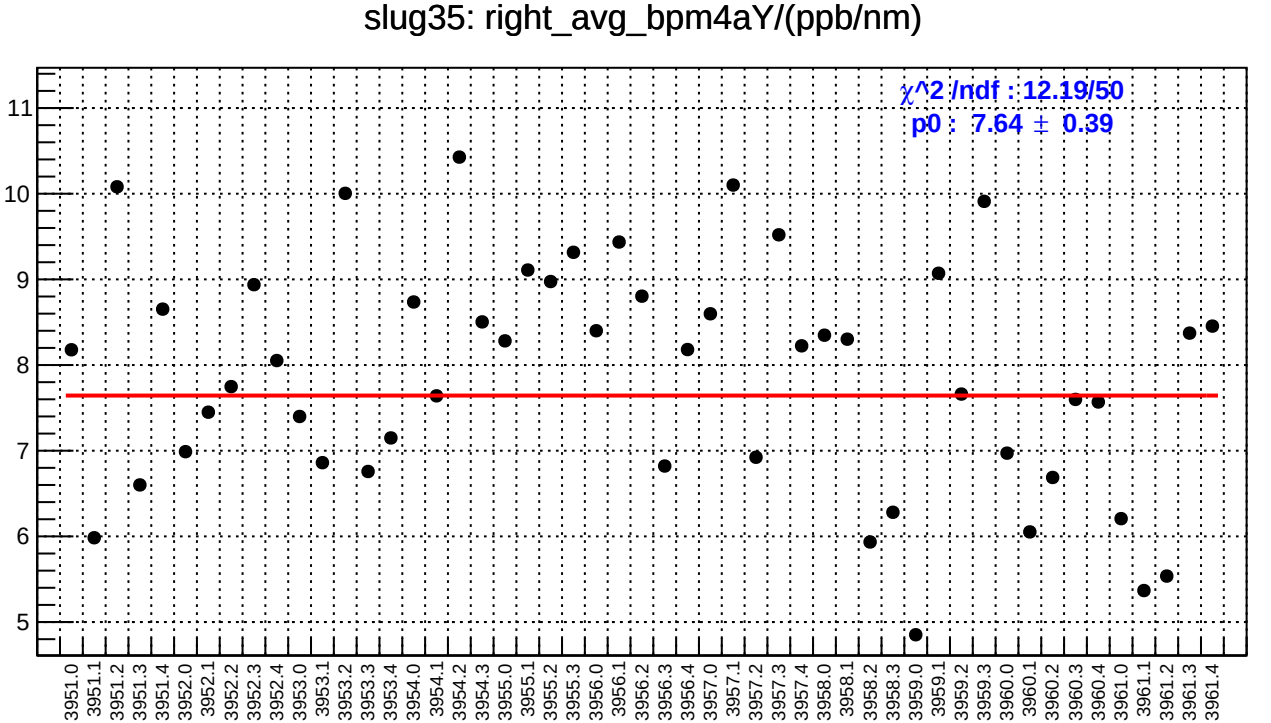
slug35: right_avg_bpm4aY/(ppb/nm)
χ^2 /ndf : 12.19/50
p0 : 7.64 ± 0.39
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3951.0
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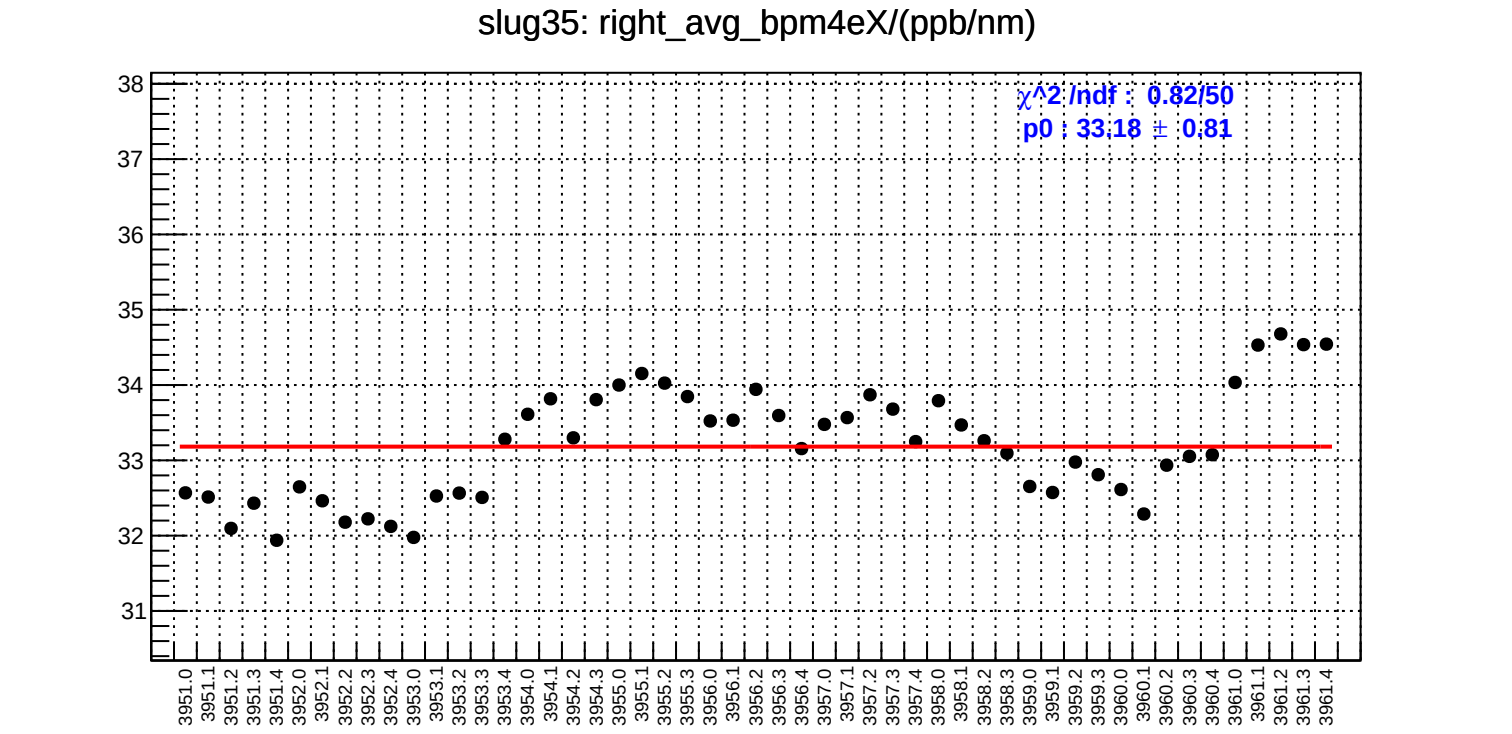
slug35: right_avg_bpm4eX/(ppb/nm)
χ^2 /ndf : 0.82/50
p0 : 33.18 ± 0.81
38
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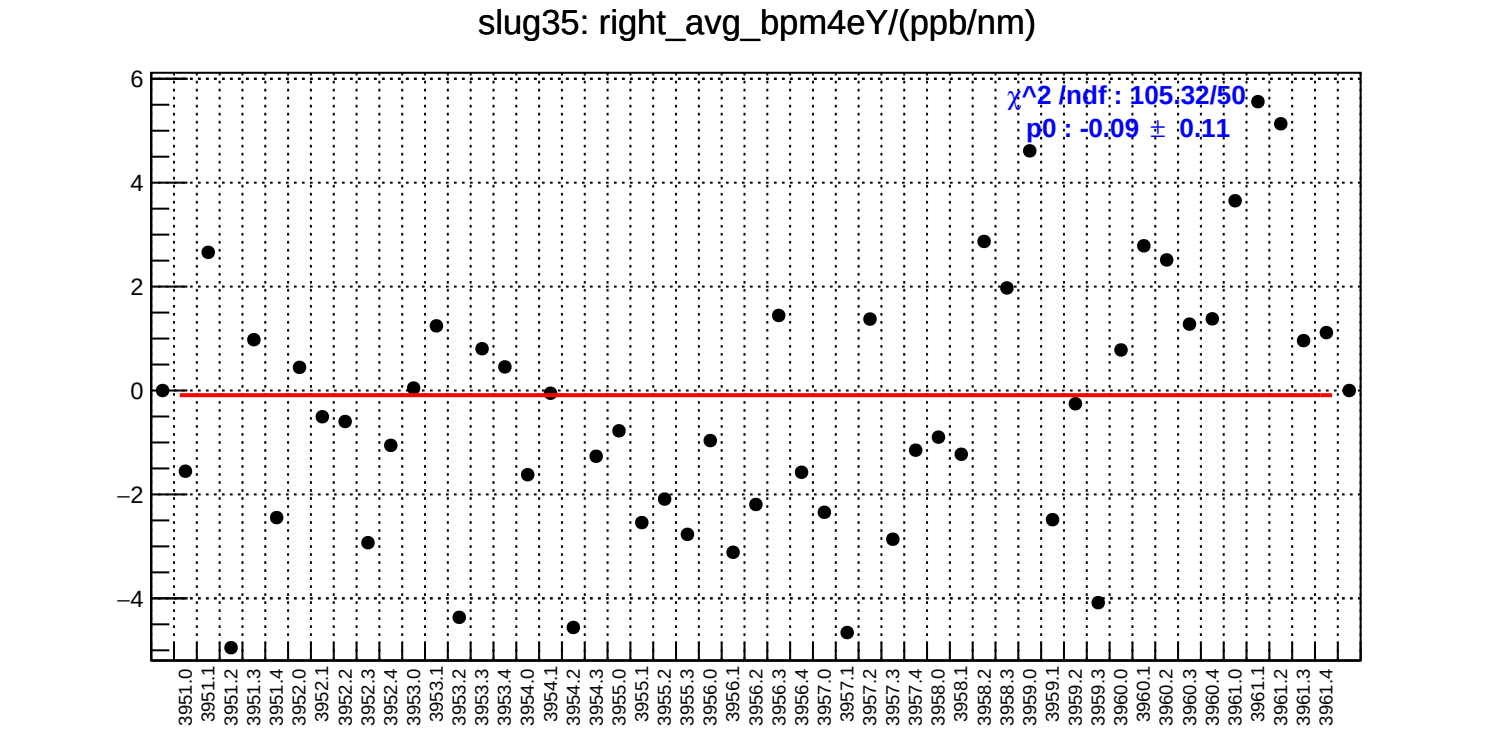
slug35: right_avg_bpm4eY/(ppb/nm)
χ^2 /ndf : 105.32/50
p0 : -0.09 ± 0.11
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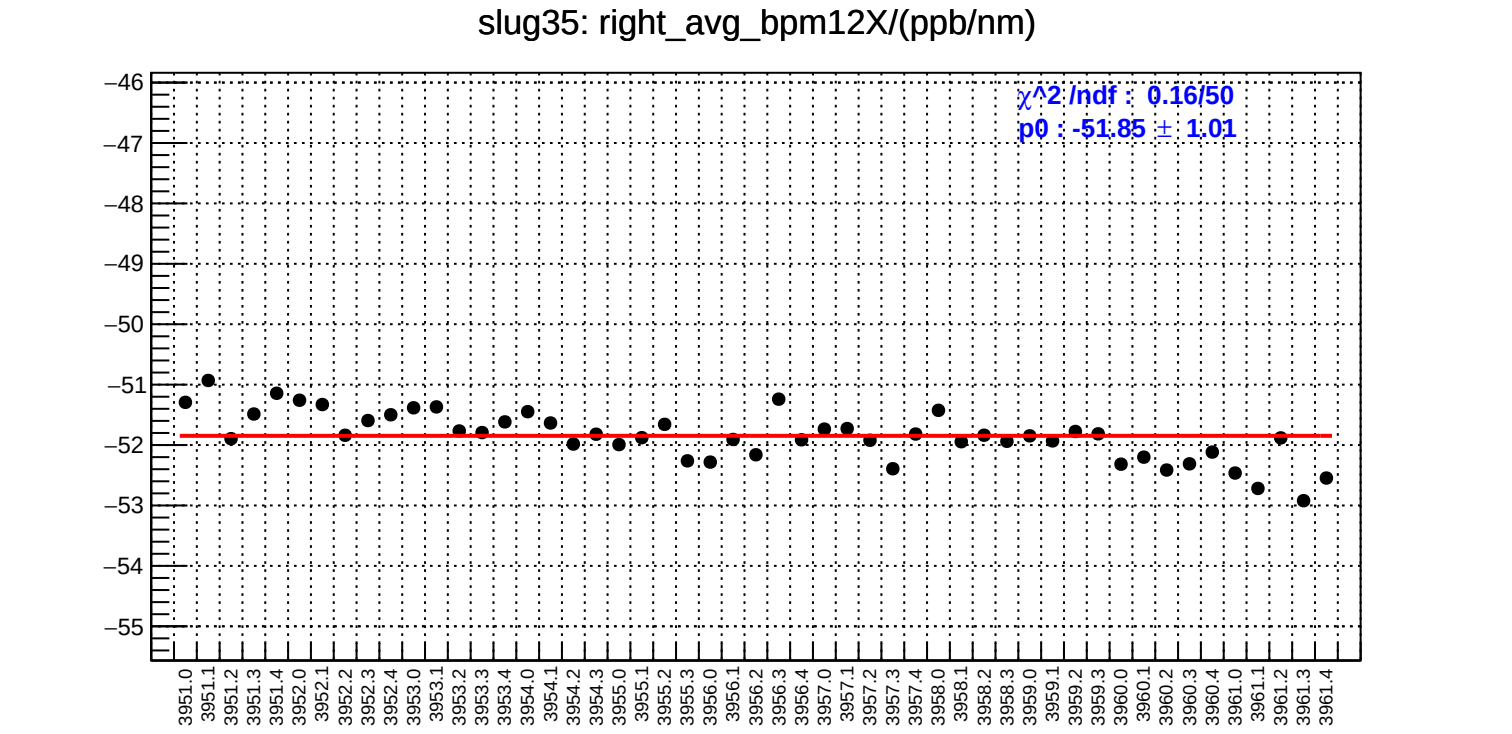
slug35: right_avg_bpm12X/(ppb/nm)
χ^2 /ndf : 0.16/50
p0 : -51.85 ± 1.01
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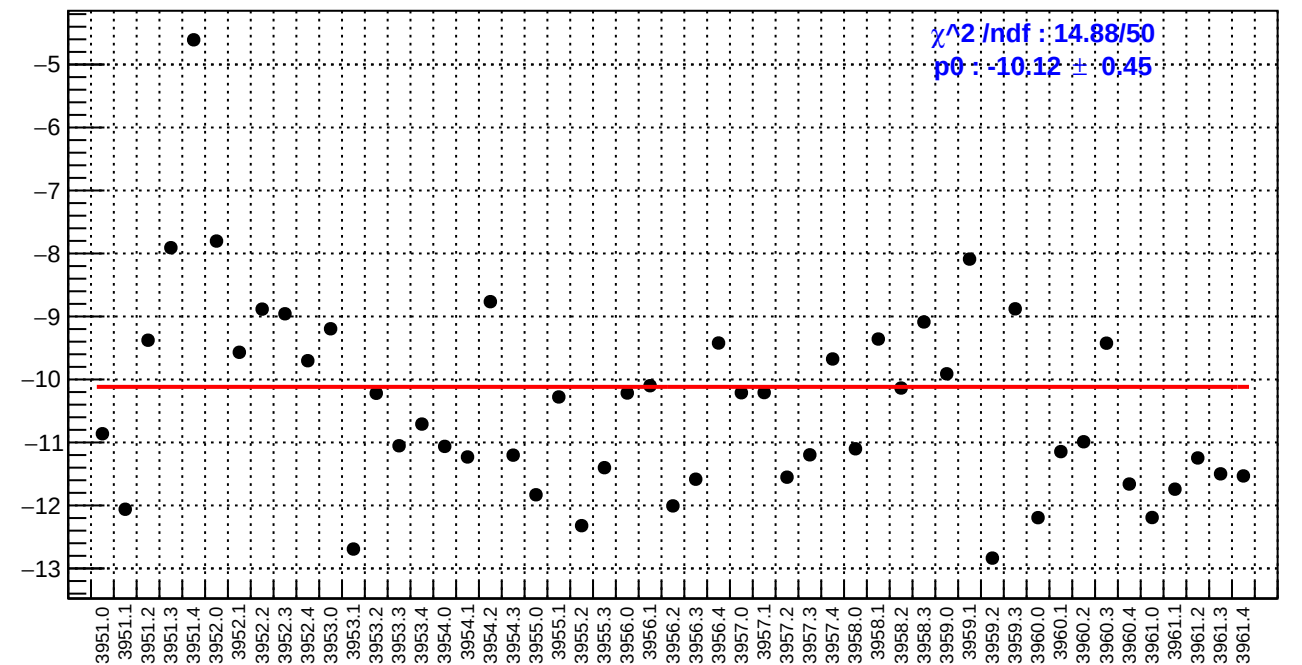
slug35: us_avg_bpm4aX/(ppb/nm)
χ^2 /ndf : 14.88/50
p0 : -10.12 ± 0.45
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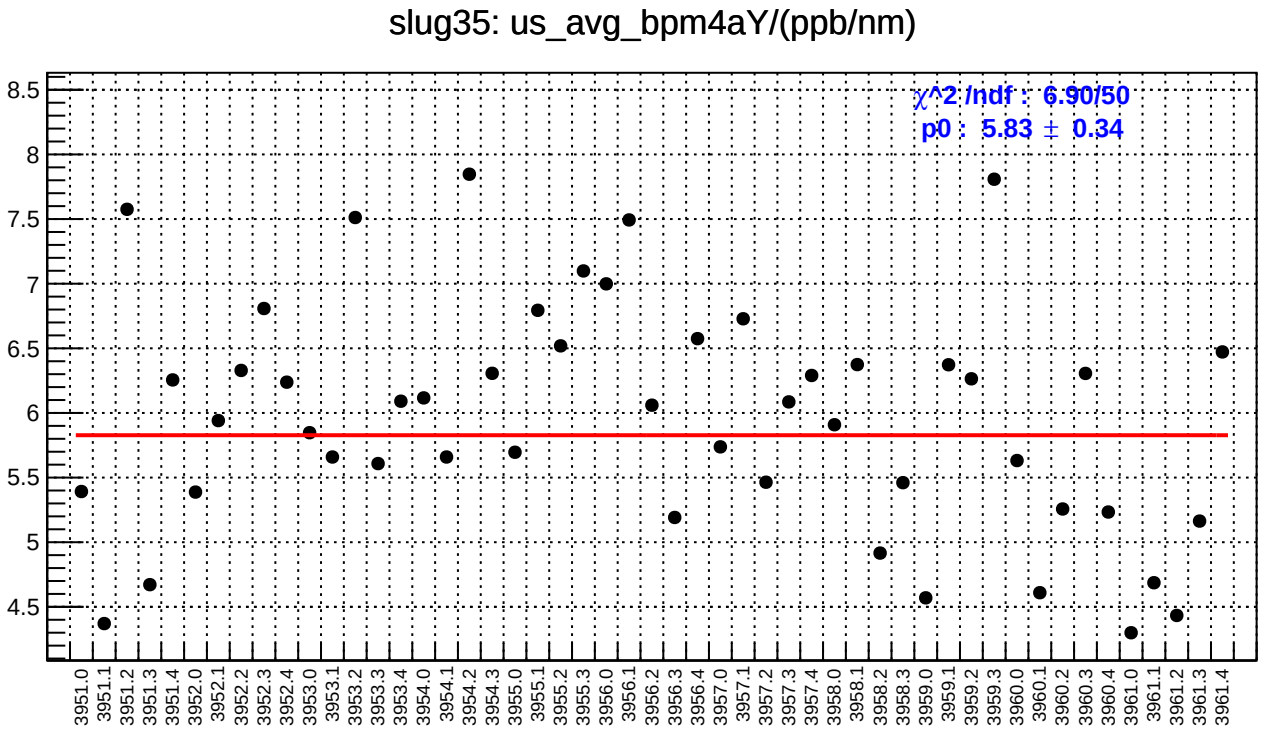
slug35: us_avg_bpm4aY/(ppb/nm)
χ^2 /ndf : 6.90/50
p0 : 5.83 ± 0.34
8.5
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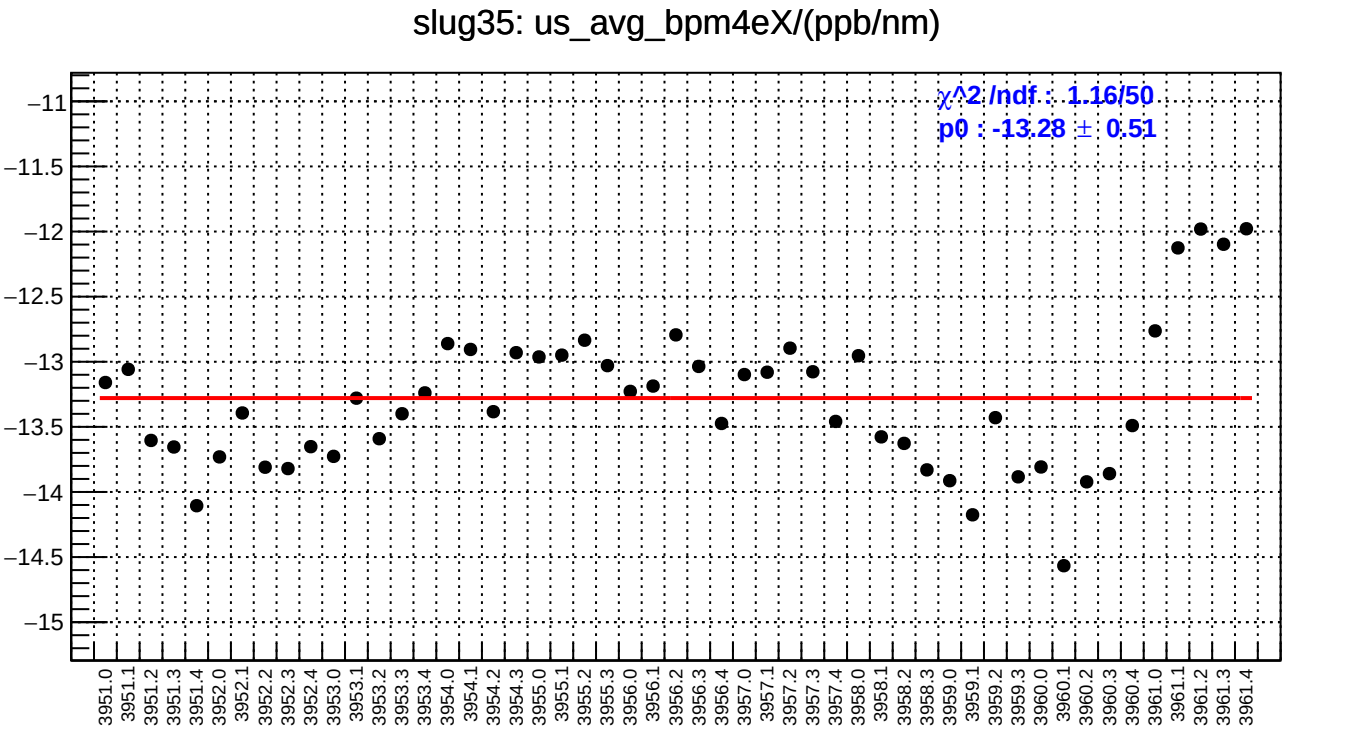
slug35: us_avg_bpm4eX/(ppb/nm)
χ^2 /ndf : 1.16/50
p0 : -13.28 ± 0.51
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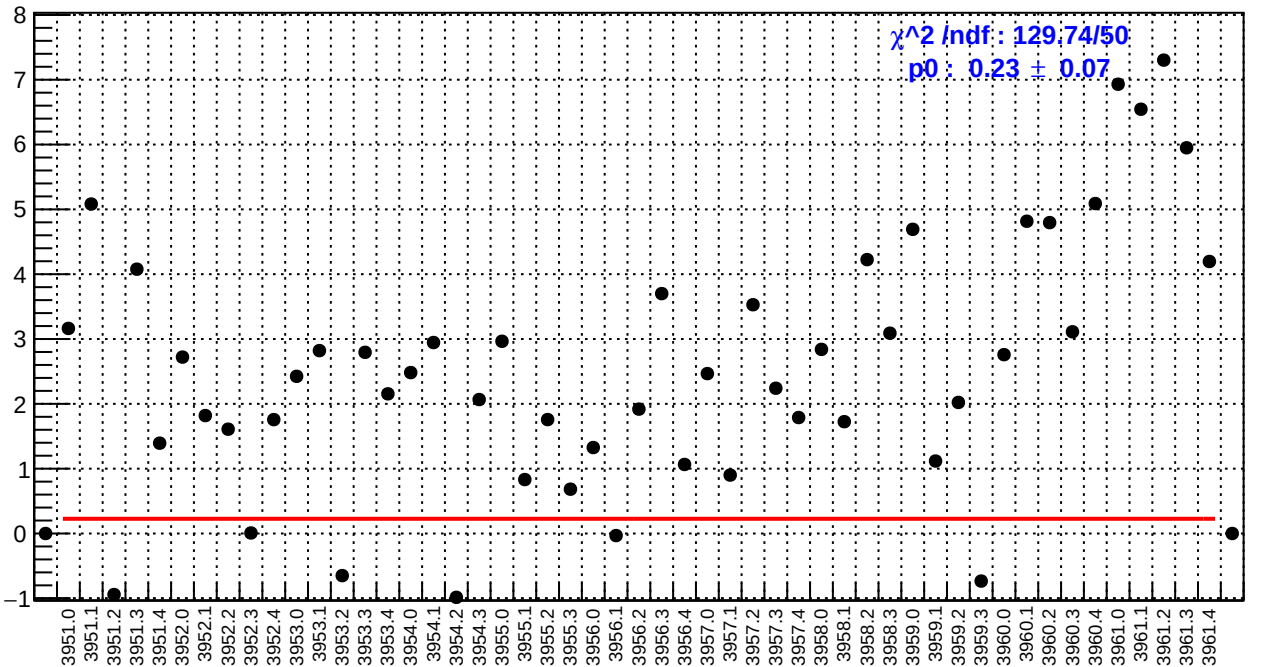
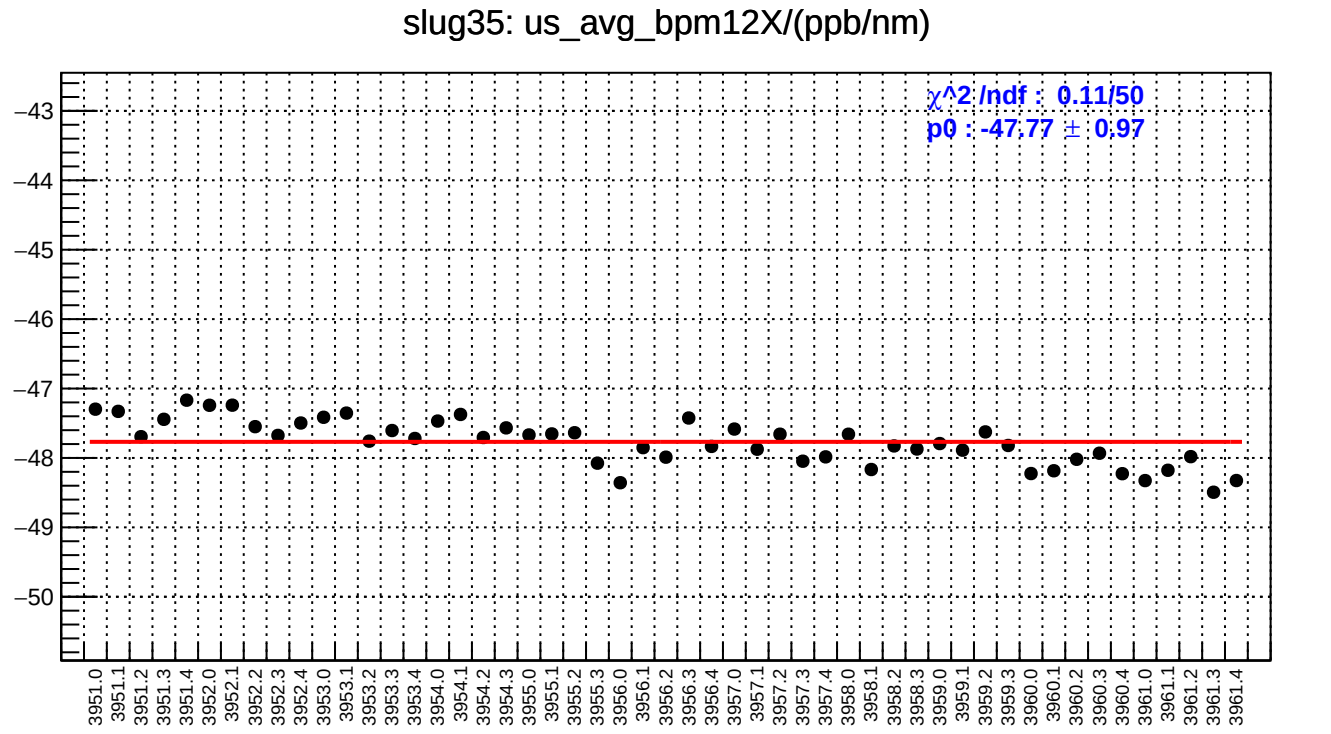
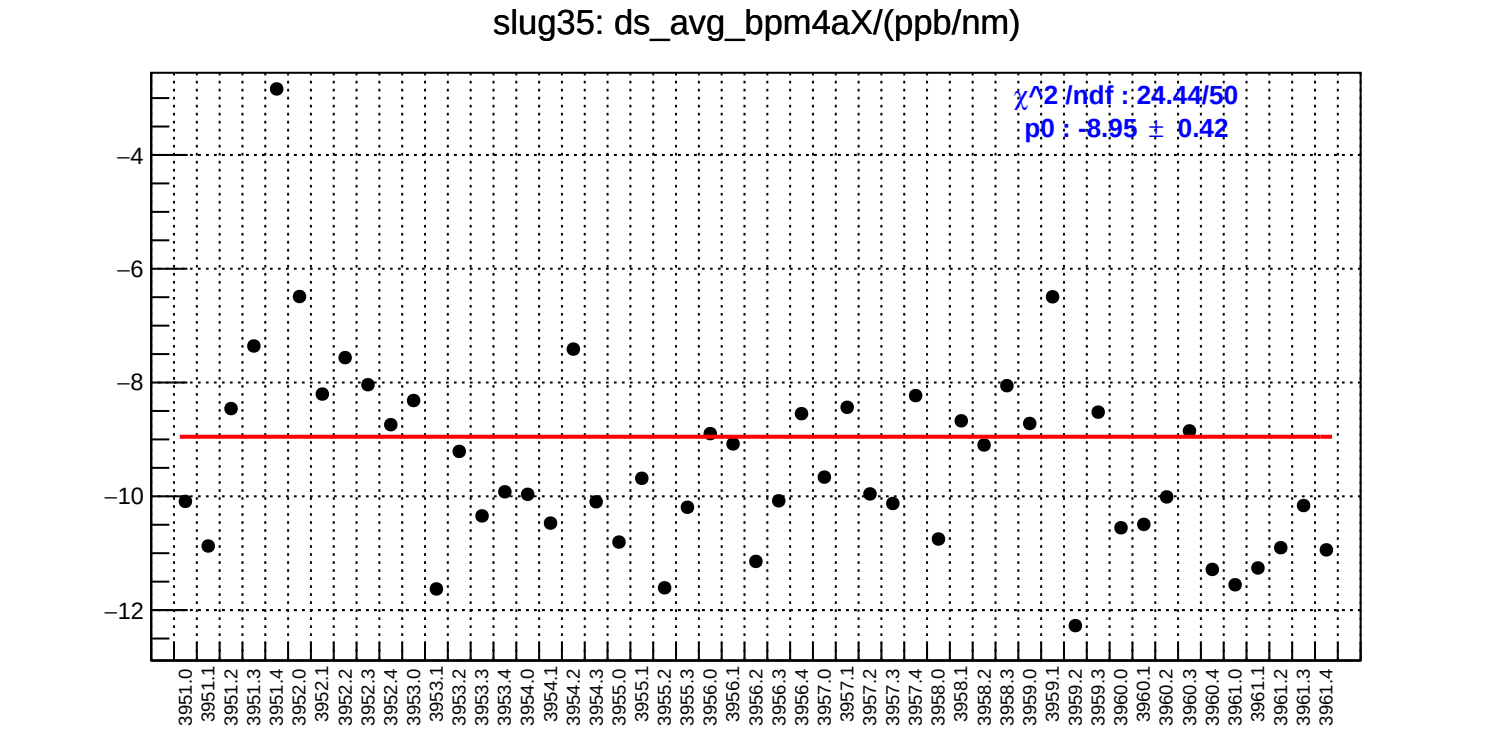
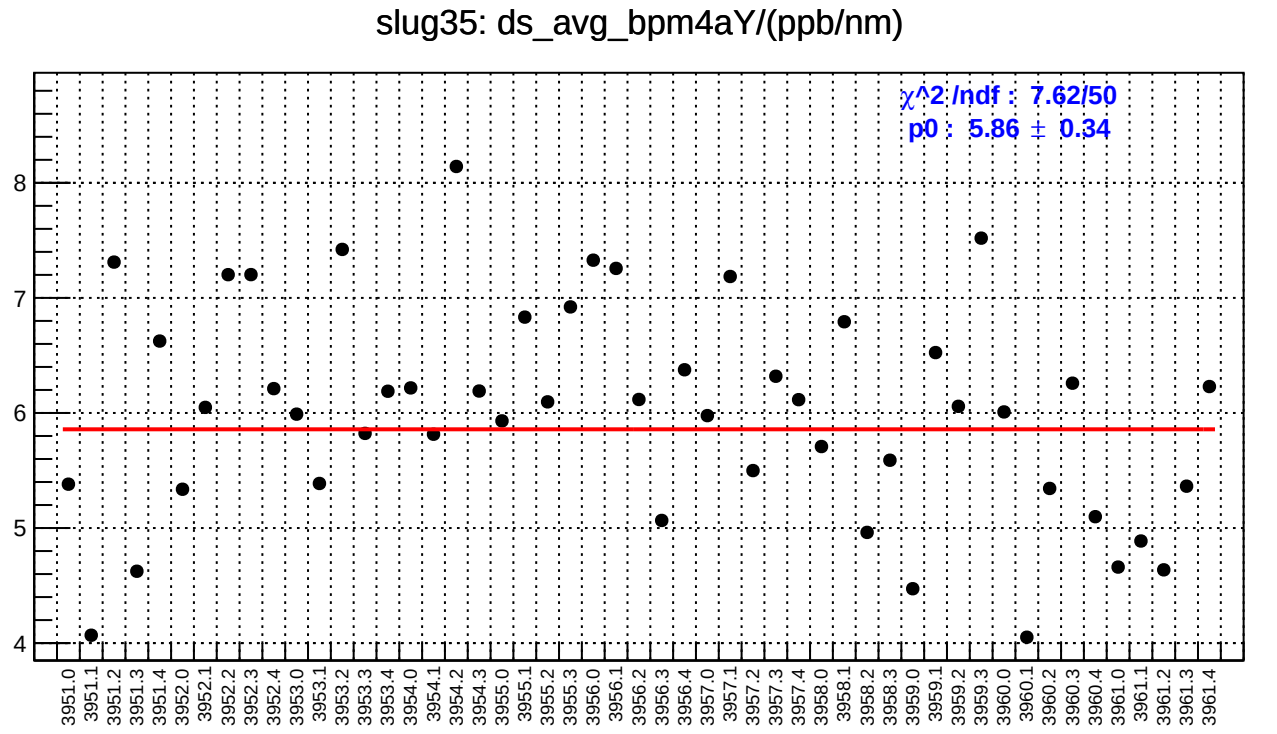
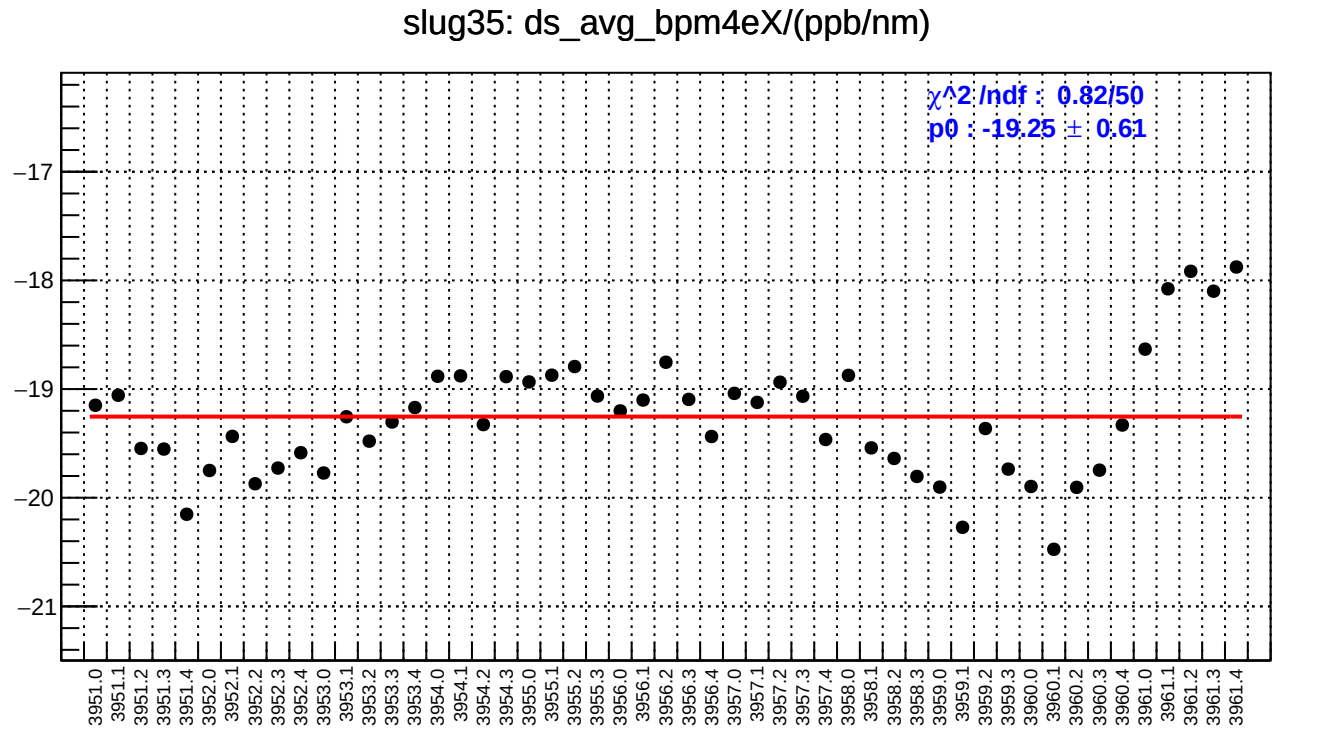

slug35: us_avg_bpm4eY/(ppb/nm)
χ^2 /ndf : 129.74/50
p0 : 0.23 ± 0.07
8
7
6
5
4
3
2
1
0
−1
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4


slug35: us_avg_bpm12X/(ppb/nm)
χ^2 /ndf : 0.11/50
p0 : -47.77 ± 0.97
−43
−44
−45
−46
−47
−48
−49
−50
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4


slug35: ds_avg_bpm4aX/(ppb/nm)
χ^2 /ndf : 24.44/50
p0 : -8.95 ± 0.42
−4
−6
−8
−10
−12
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4


slug35: ds_avg_bpm4aY/(ppb/nm)
χ^2 /ndf : 7.62/50
p0 : 5.86 ± 0.34
8
7
6
5
4
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4


slug35: ds_avg_bpm4eX/(ppb/nm)
χ^2 /ndf : 0.82/50
p0 : -19.25 ± 0.61
−17
−18
−19
−20
−21
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
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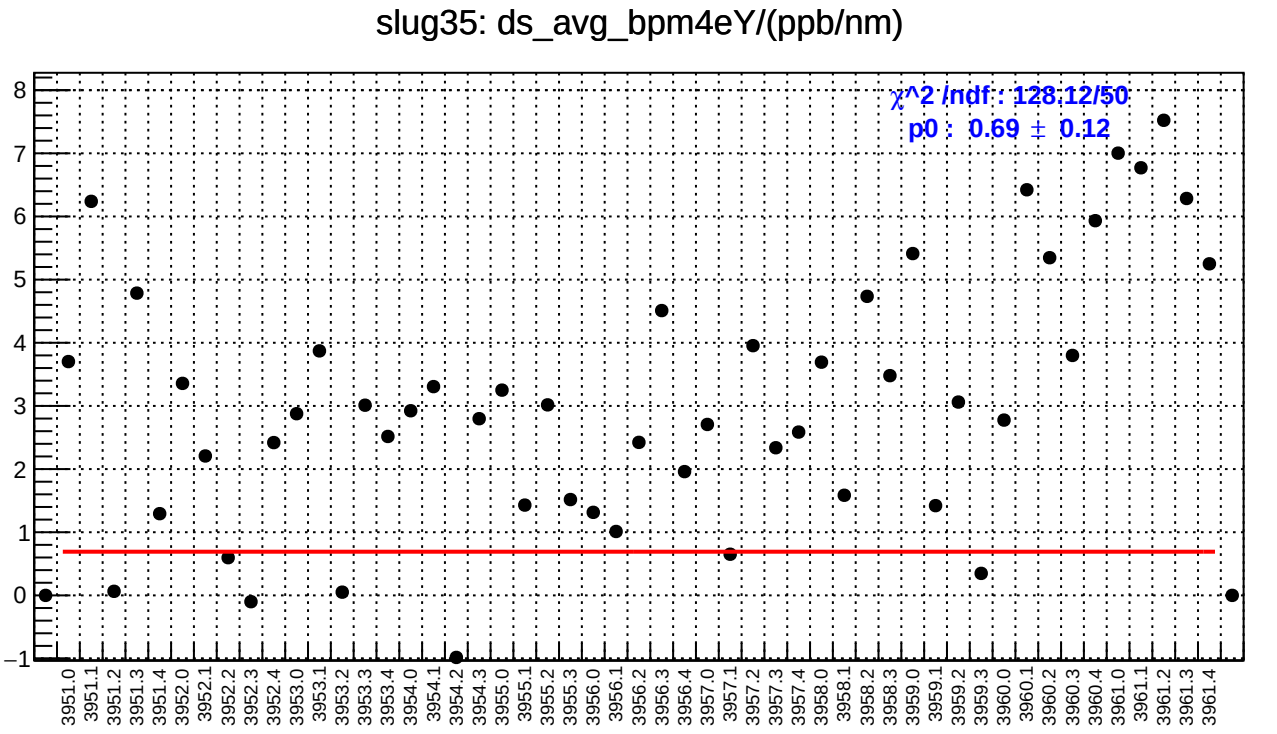
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4


slug35: ds_avg_bpm4eY/(ppb/nm)
χ^2 /ndf : 128.12/50
p0 : 0.69 ± 0.12
8
7
6
5
4
3
2
1
0
−1
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
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3954.0
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3955.1
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3955.3
3956.0
3956.1
3956.2
3956.3
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3957.0
3957.1
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3958.0
3958.1
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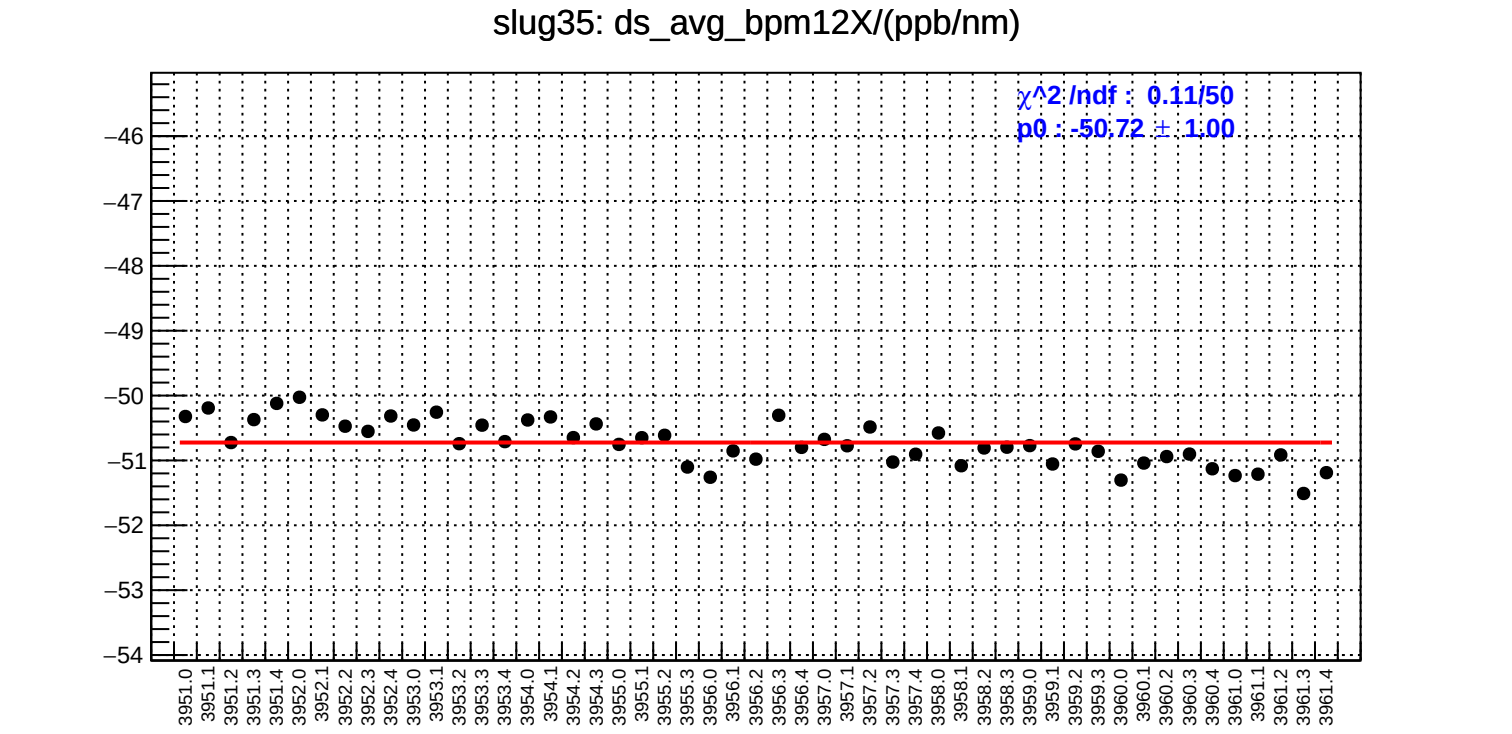
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4


slug35: ds_avg_bpm12X/(ppb/nm)
χ^2 /ndf : 0.11/50
p0 : -50.72 ± 1.00
−46
−47
−48
−49
−50
−51
−52
−53
−54
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
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3953.4
3954.0
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3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
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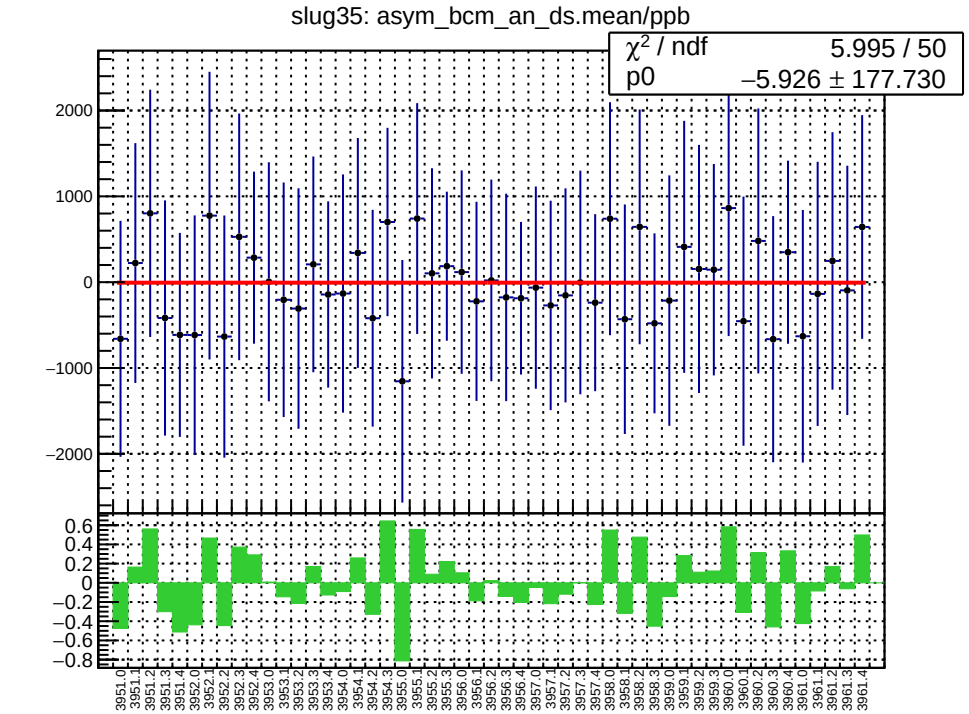
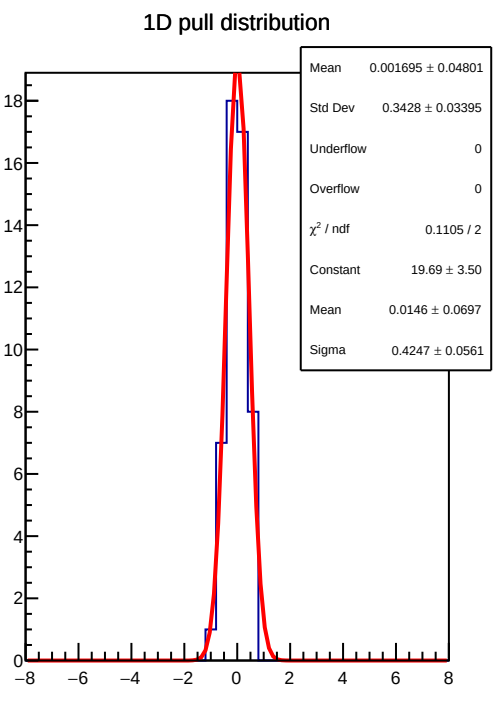
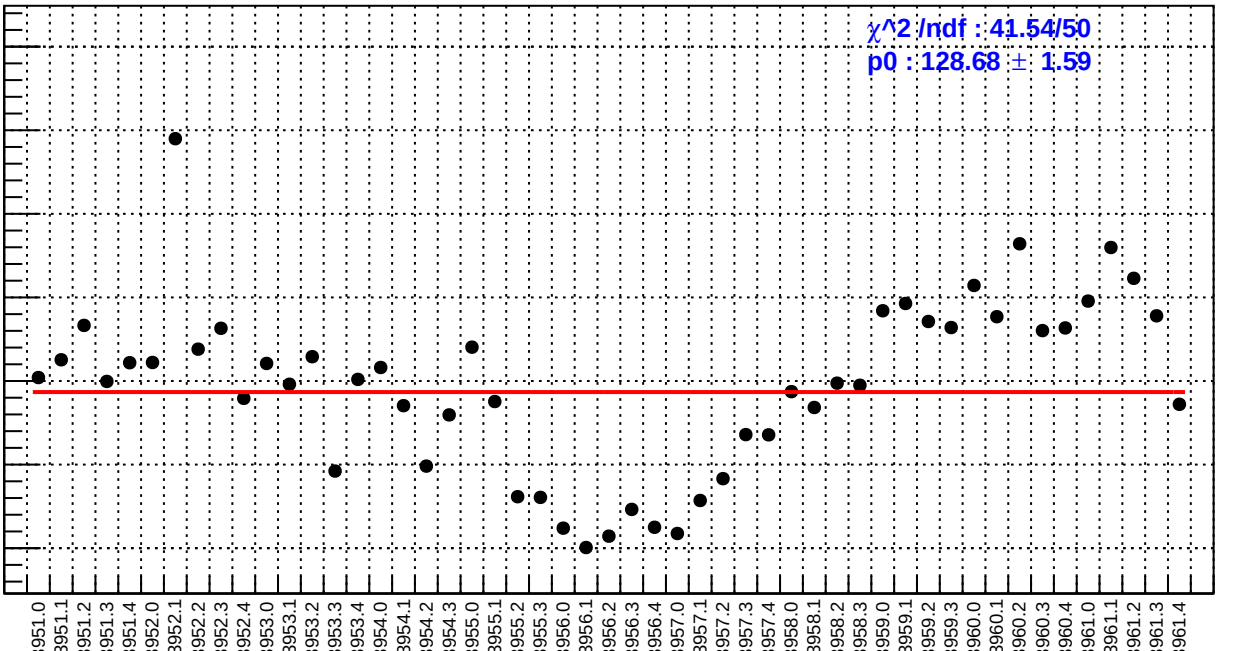
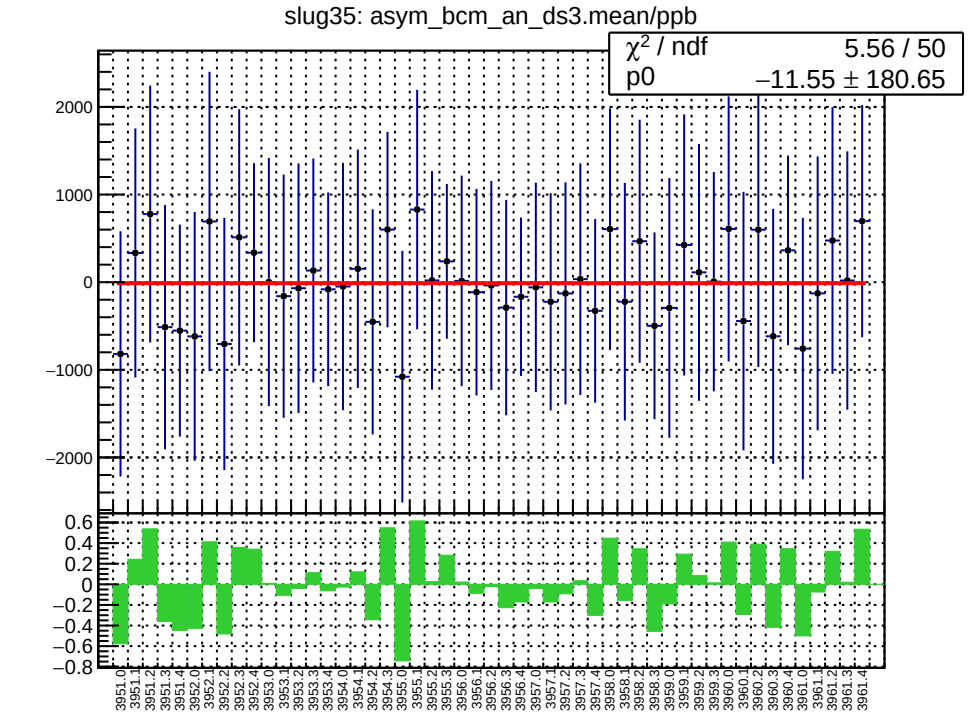
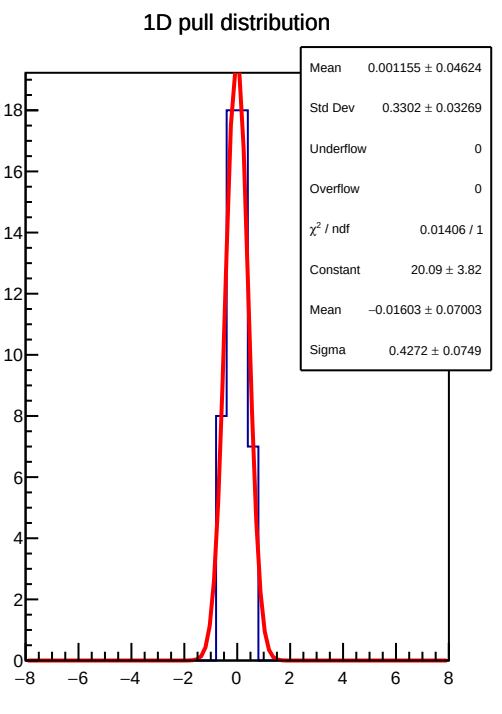
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

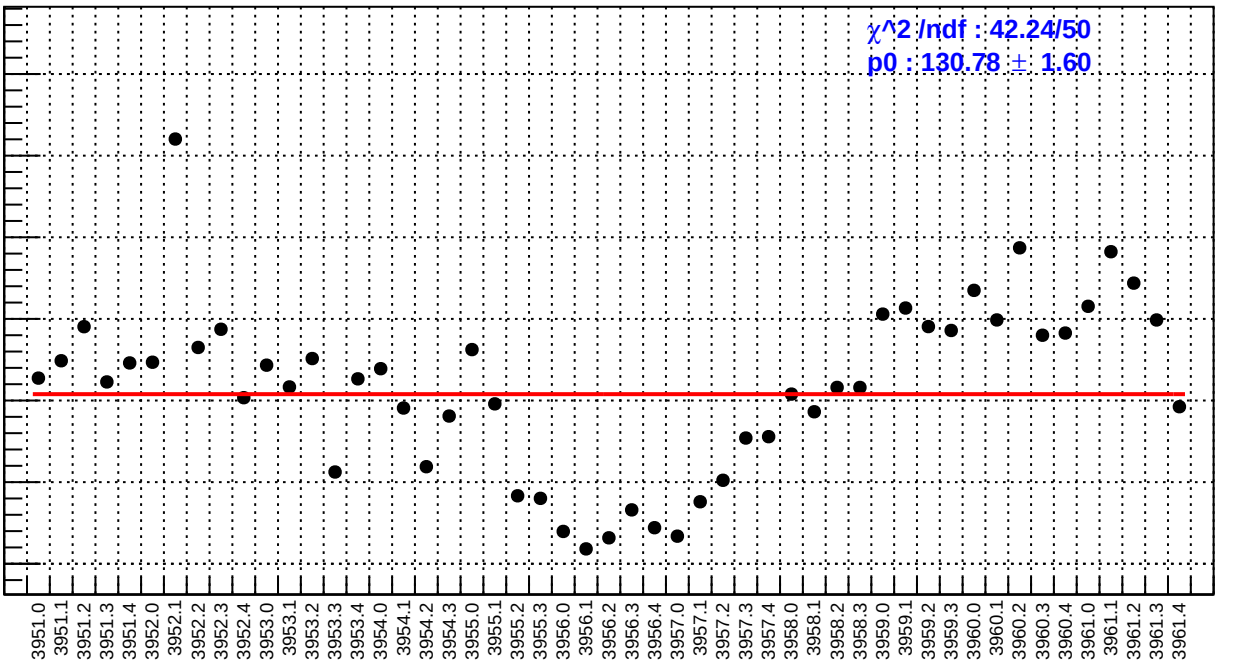

slug35: asym_bcm_an_ds.mean/ppb
χ² / ndf 5.995 / 50
p0 −5.926 ± 177.730
2000
1000
0
−1000
−2000
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4


1D pull distribution
Mean 0.001695 ± 0.04801
Std Dev 0.3428 ± 0.03395
Underflow 0
Overflow 0
χ² / ndf 0.1105 / 2
Constant 19.69 ± 3.50
Mean 0.0146 ± 0.0697
Sigma 0.4247 ± 0.0561
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


slug35: asym_bcm_an_ds.rms/ppm
χ^2 /ndf : 41.54/50
p0 : 128.68 ± 1.59
170
160
150
140
130
120
110
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4


slug35: asym_bcm_an_ds3.mean/ppb
χ² / ndf 5.56 / 50
p0 −11.55 ± 180.65
2000
1000
0
−1000
−2000
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4


1D pull distribution
Mean 0.001155 ± 0.04624
Std Dev 0.3302 ± 0.03269
Underflow 0
Overflow 0
χ² / ndf 0.01406 / 1
Constant 20.09 ± 3.82
Mean −0.01603 ± 0.07003
Sigma 0.4272 ± 0.0749
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


slug35: asym_bcm_an_ds3.rms/ppm
χ^2 /ndf : 42.24/50
p0 : 130.78 ± 1.60
170
160
150
140
130
120
110
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
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3959.0
3959.1
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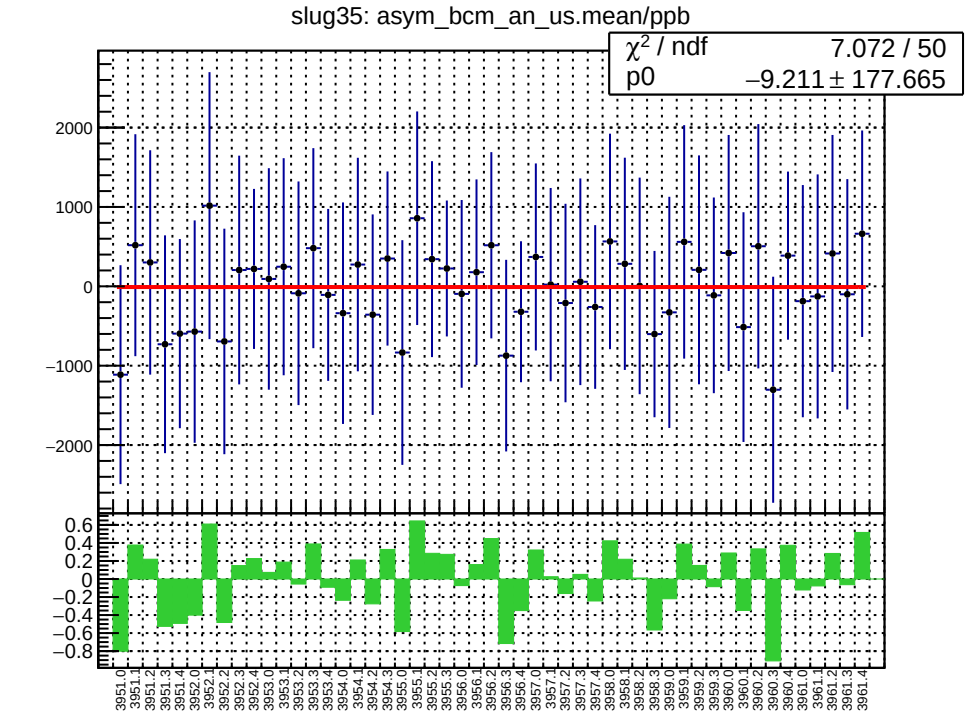
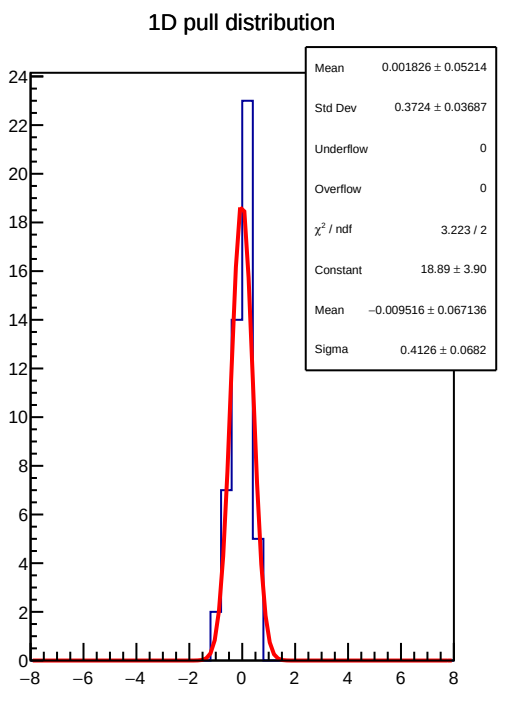
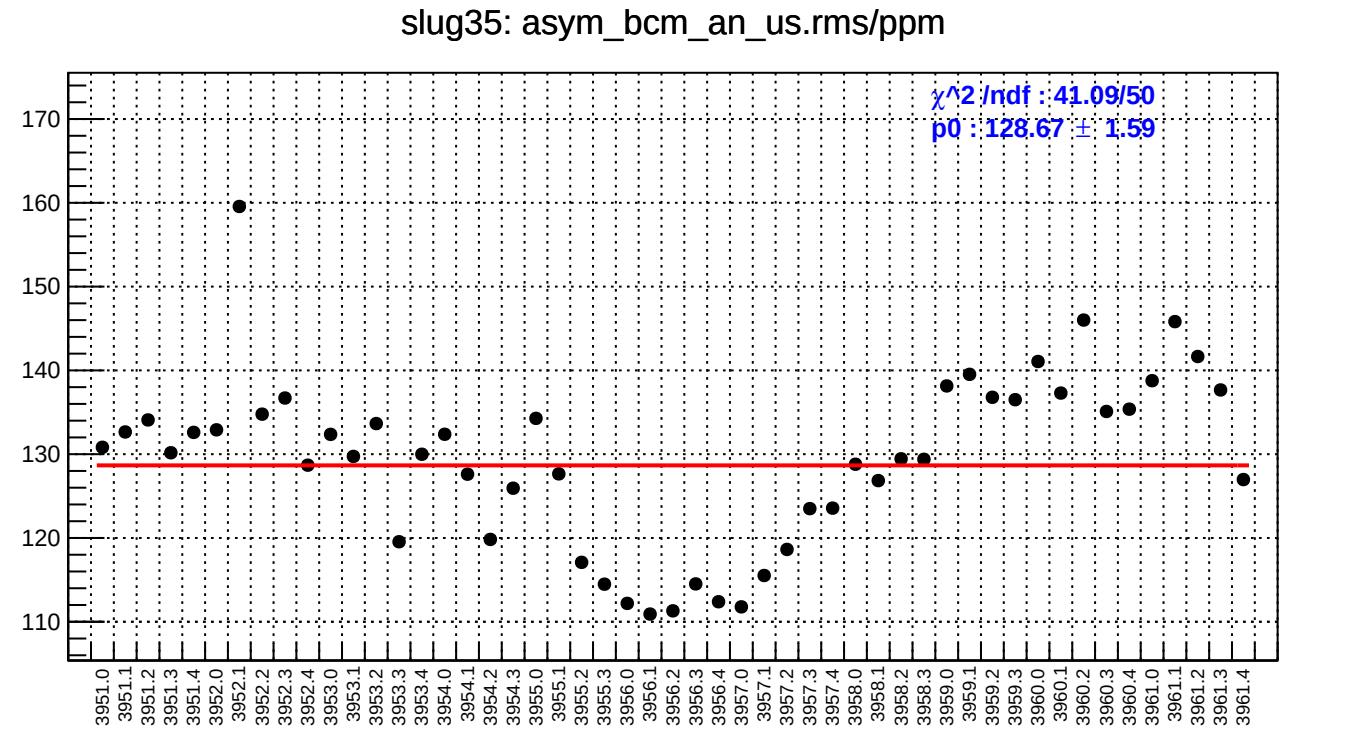
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4


slug35: asym_bcm_an_us.mean/ppb
χ² / ndf 7.072 / 50
p0 −9.211 ± 177.665
2000
1000
0
−1000
−2000
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4


1D pull distribution
Mean 0.001826 ± 0.05214
Std Dev 0.3724 ± 0.03687
Underflow 0
Overflow 0
χ² / ndf 3.223 / 2
Constant 18.89 ± 3.90
Mean −0.009516 ± 0.067136
Sigma 0.4126 ± 0.0682
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


slug35: asym_bcm_an_us.rms/ppm
χ^2 /ndf : 41.09/50
p0 : 128.67 ± 1.59
170
160
150
140
130
120
110
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
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3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
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3958.0
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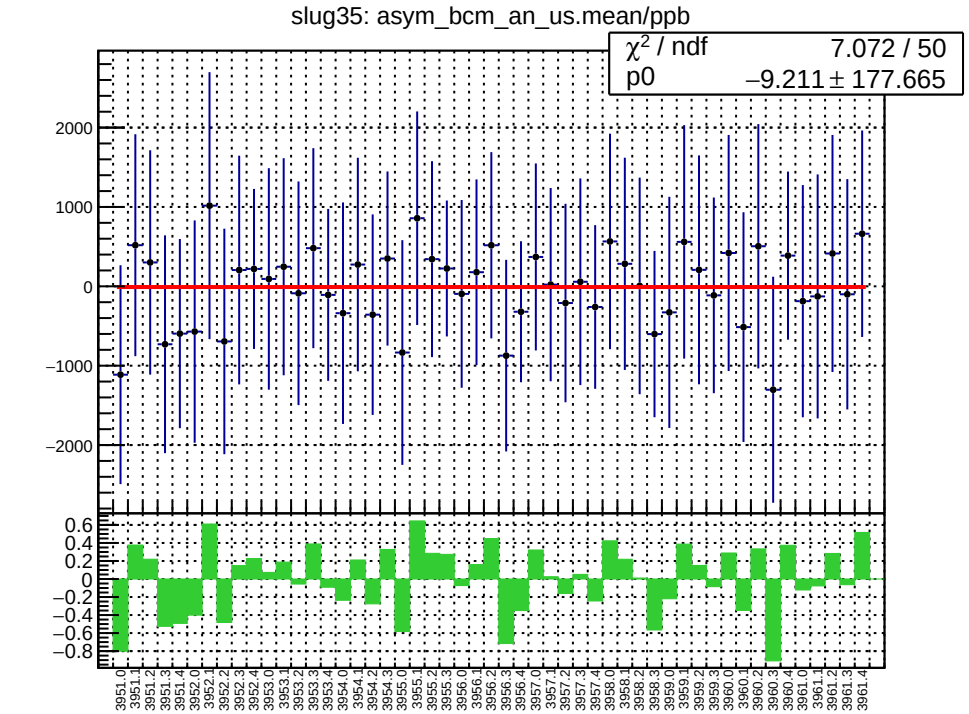
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4


slug35: asym_bcm_an_us.mean/ppb
χ² / ndf 7.072 / 50
p0 −9.211 ± 177.665
2000
1000
0
−1000
−2000
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
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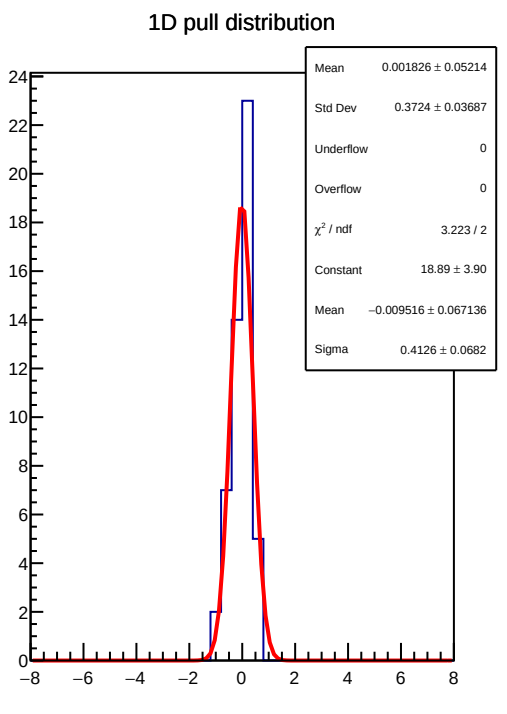
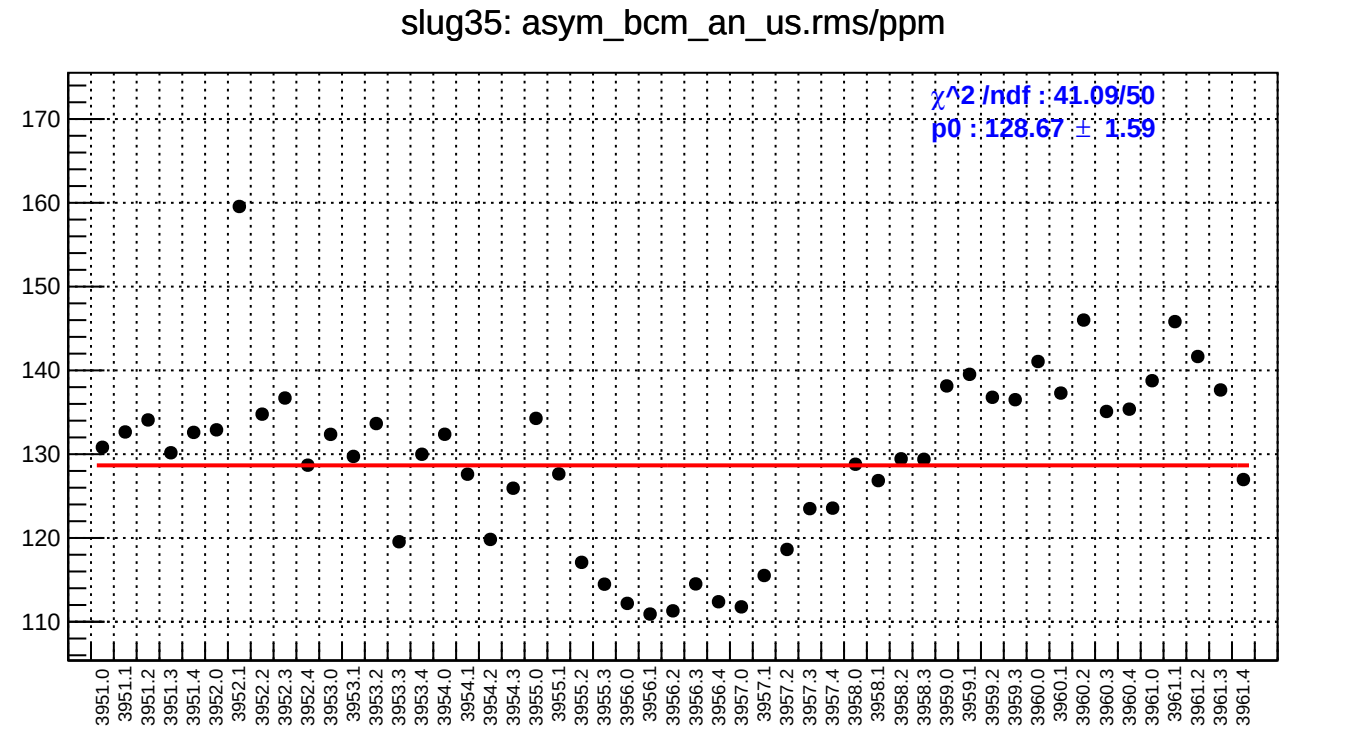
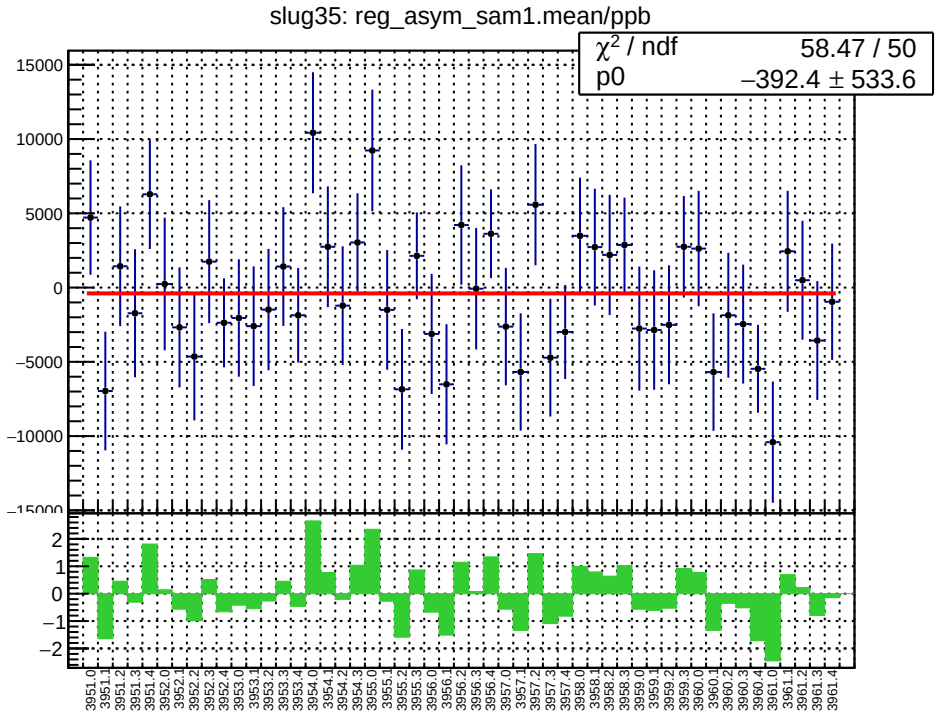
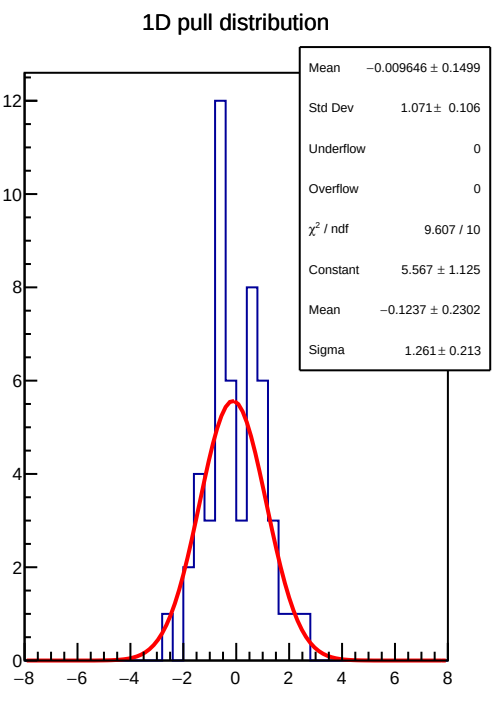
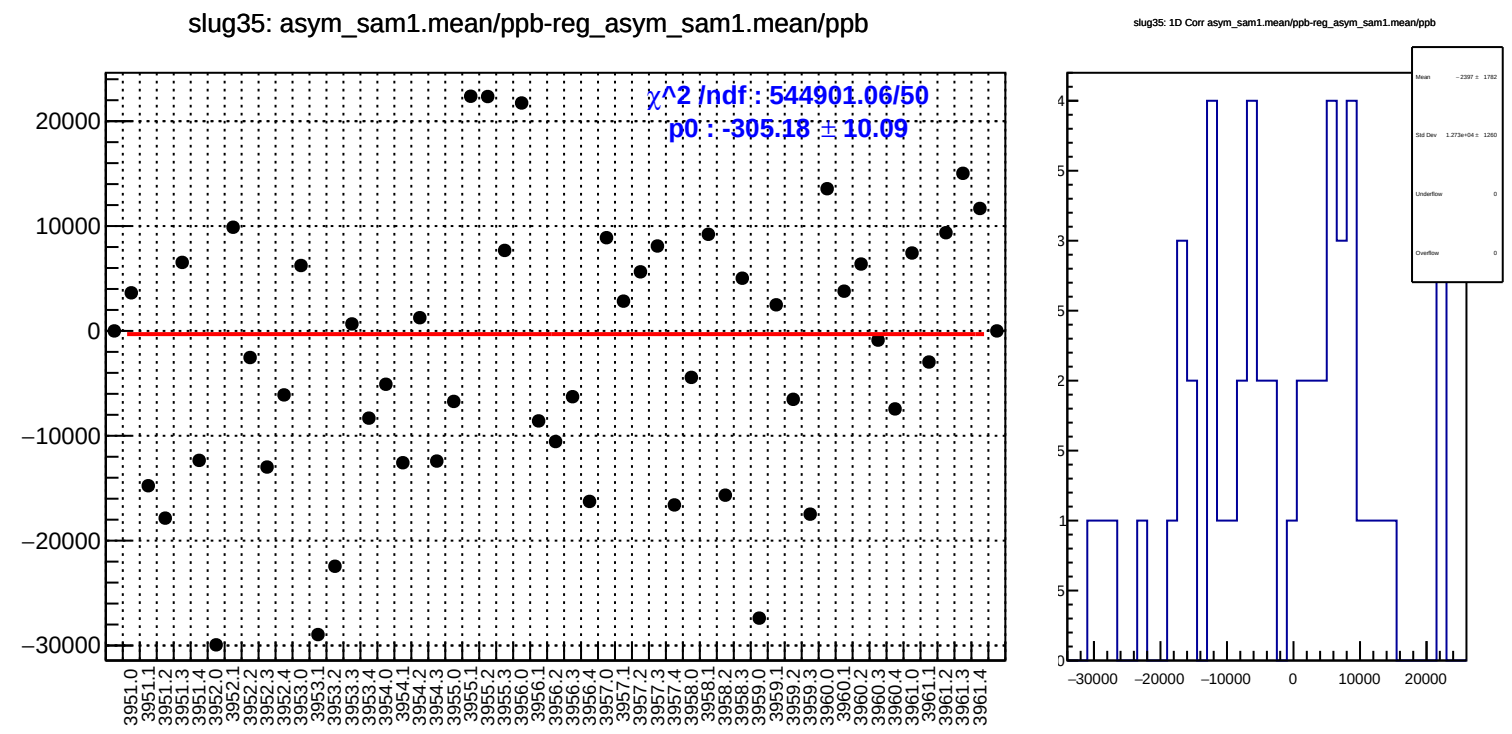
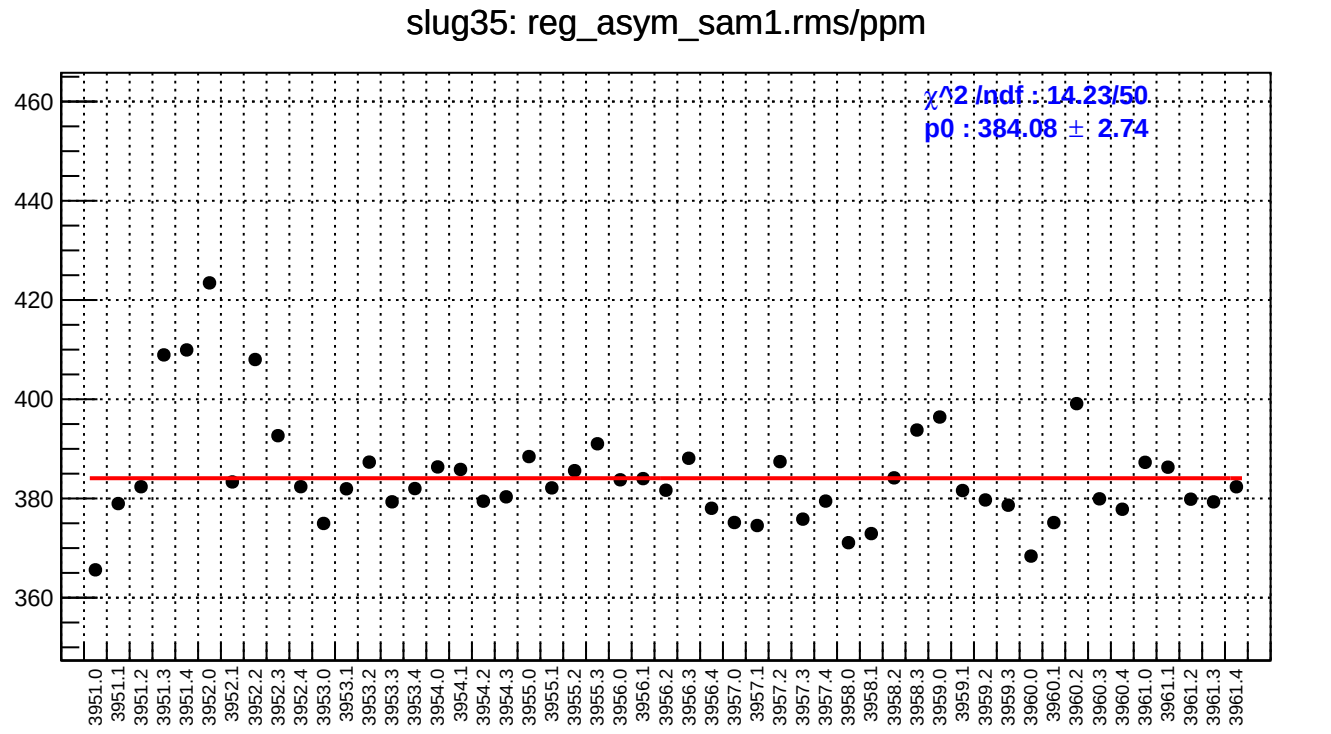

1D pull distribution
Mean 0.001826 ± 0.05214
Std Dev 0.3724 ± 0.03687
Underflow 0
Overflow 0
χ² / ndf 3.223 / 2
Constant 18.89 ± 3.90
Mean −0.009516 ± 0.067136
Sigma 0.4126 ± 0.0682
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

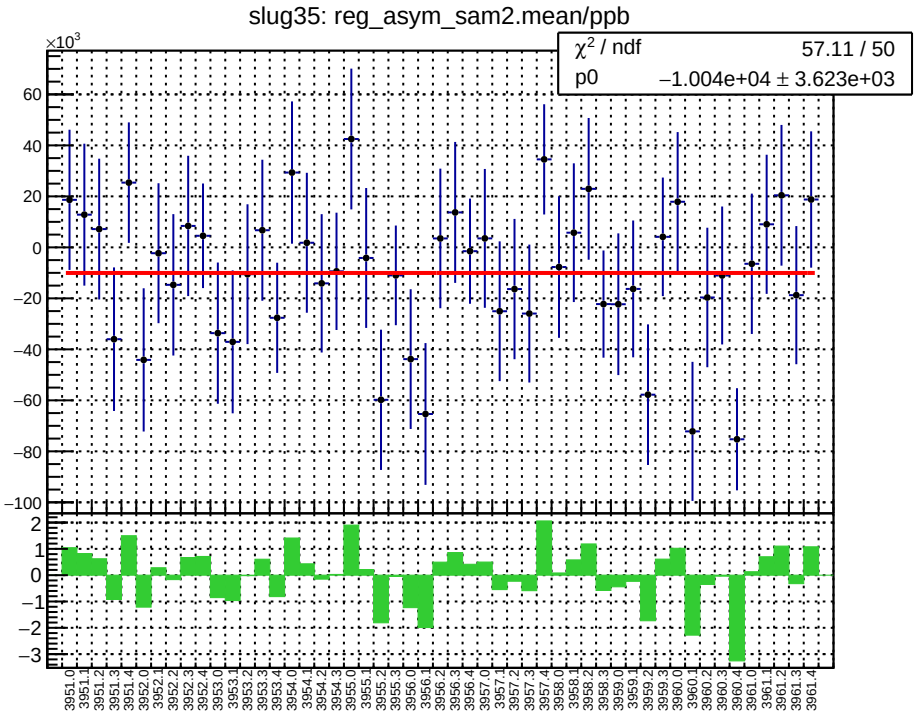

slug35: asym_bcm_an_us.rms/ppm
χ^2 /ndf : 41.09/50
p0 : 128.67 ± 1.59
170
160
150
140
130
120
110
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

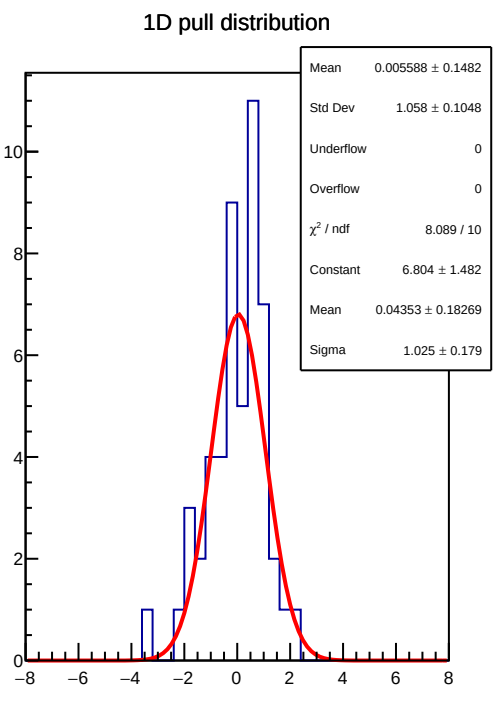

slug35: reg_asym_sam1.mean/ppb
χ² / ndf 58.47 / 50
p0 −392.4 ± 533.6
15000
10000
5000
0
−5000
−10000
−15000
2
1
0
−1
−2
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

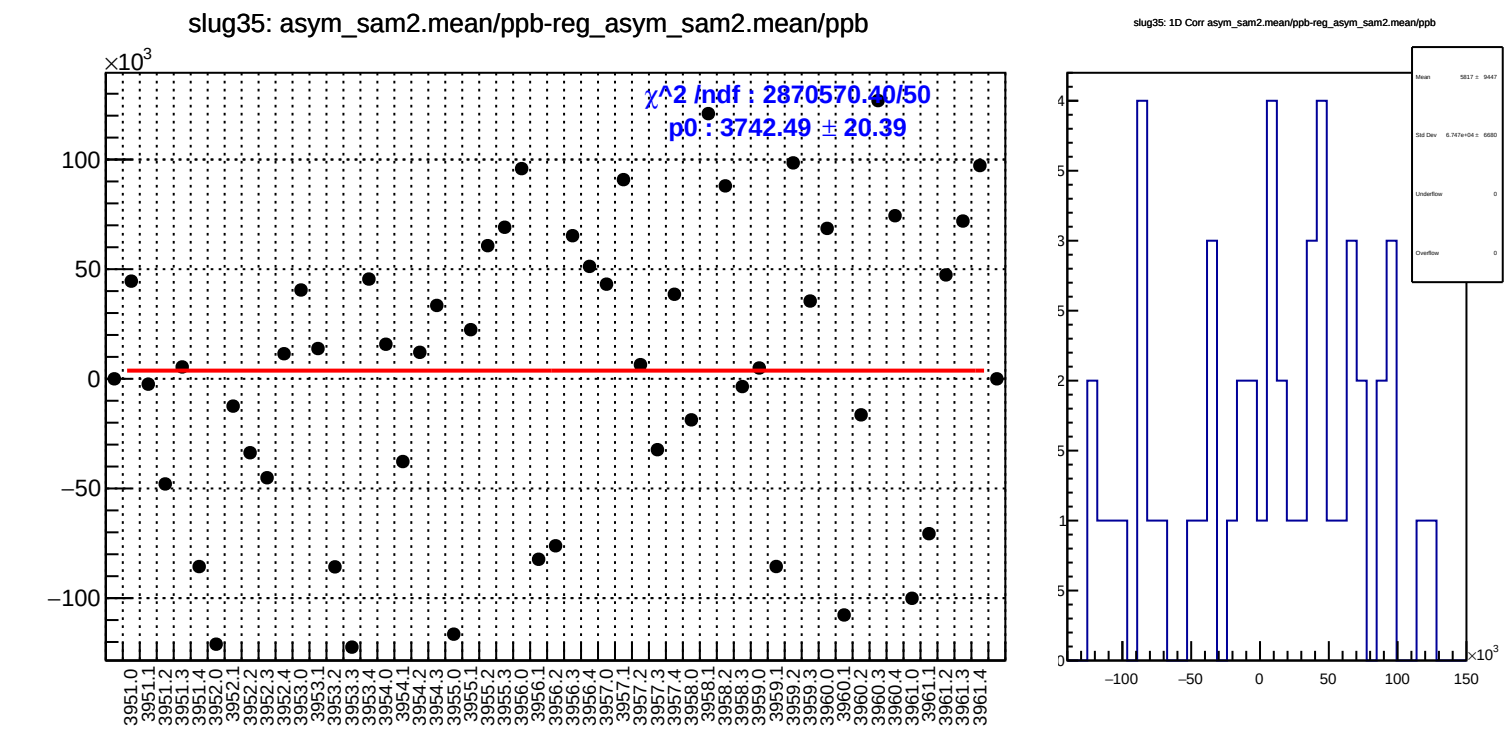

1D pull distribution
Mean −0.009646 ± 0.1499
Std Dev 1.071± 0.106
Underflow 0
Overflow 0
χ² / ndf 9.607 / 10
Constant 5.567 ± 1.125
Mean −0.1237 ± 0.2302
Sigma 1.261± 0.213
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

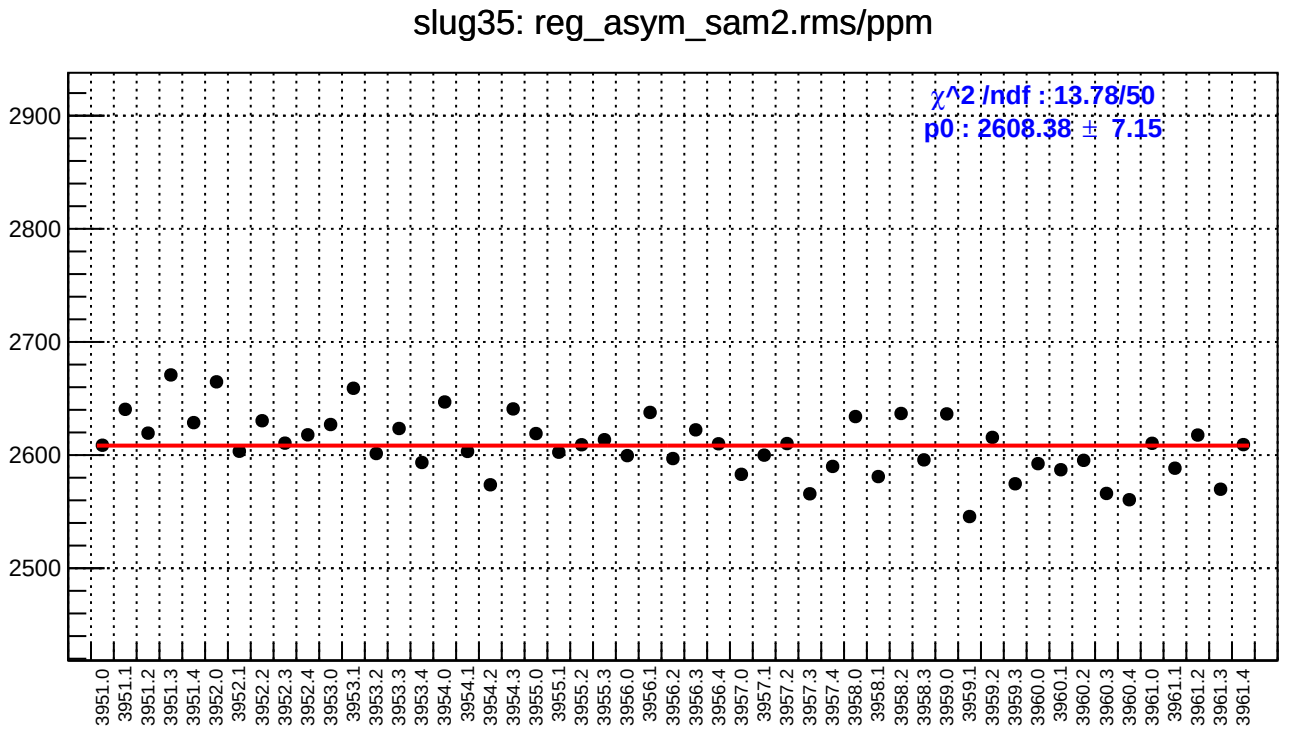

slug35: asym_sam1.mean/ppb-reg_asym_sam1.mean/ppb
χ^2 /ndf : 544901.06/50
p0 : -305.18 ± 10.09
20000
10000
0
−10000
−20000
−30000
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4
slug35: 1D Corr asym_sam1.mean/ppb-reg_asym_sam1.mean/ppb
Mean −2397 ± 1782
Std Dev 1.273e+04 ± 1260
Underflow 0
Overflow 0
4
5
3
5
5
2
5
1
5
0
−30000
−20000
−10000
0
10000
20000

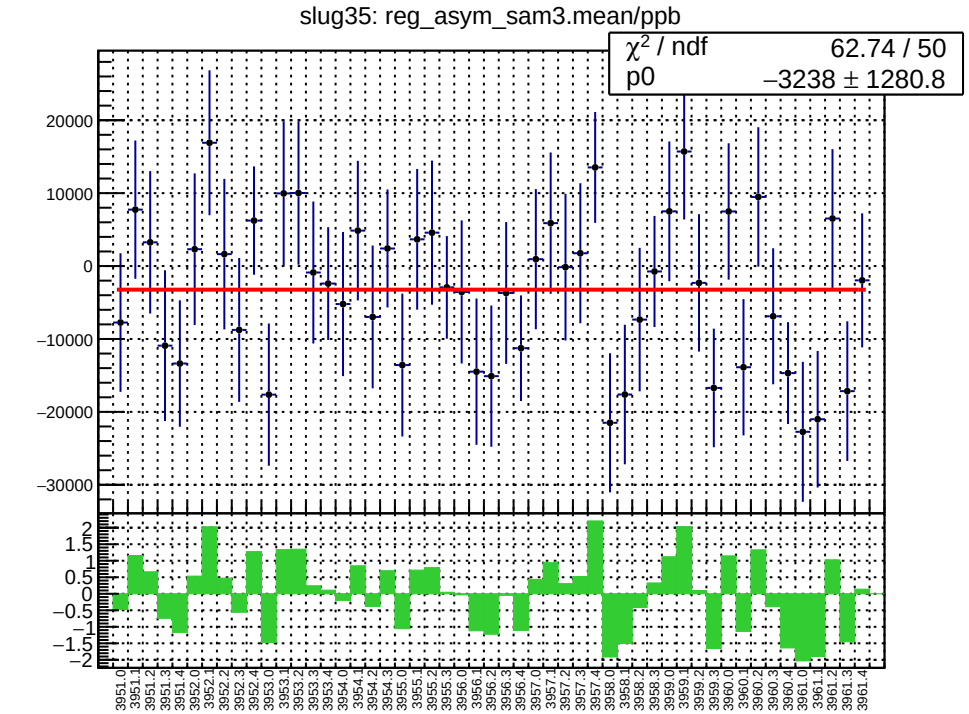

slug35: reg_asym_sam1.rms/ppm
χ^2 /ndf : 14.23/50
p0 : 384.08 ± 2.74
460
440
420
400
380
360
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

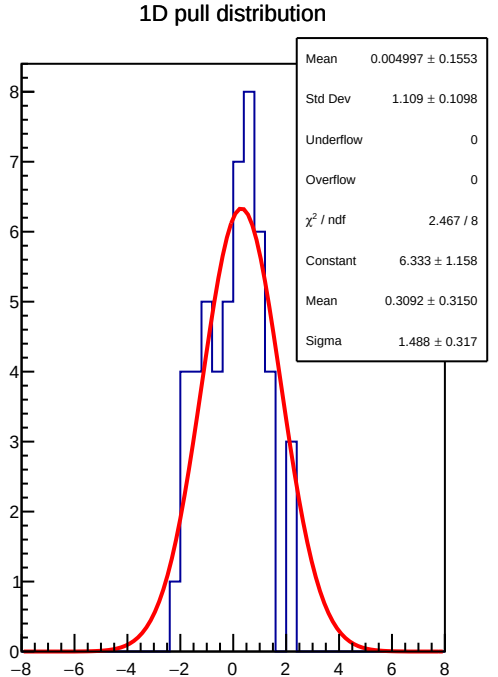

slug35: reg_asym_sam2.mean/ppb
χ² / ndf 57.11 / 50
p0 −1.004e+04 ± 3.623e+03
×10³

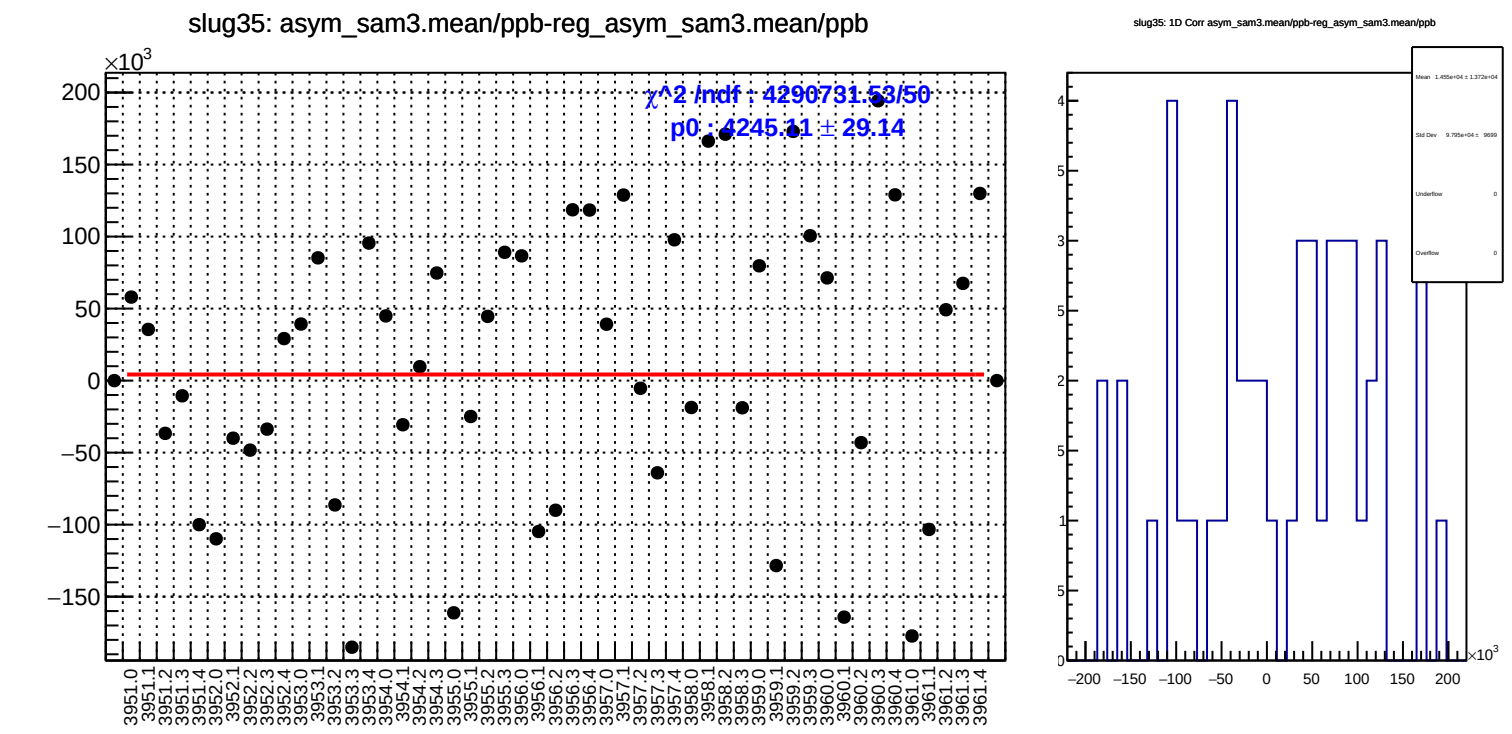

1D pull distribution
Mean 0.005588 ± 0.1482
Std Dev 1.058 ± 0.1048
Underflow 0
Overflow 0
χ² / ndf 8.089 / 10
Constant 6.804 ± 1.482
Mean 0.04353 ± 0.18269
Sigma 1.025 ± 0.179

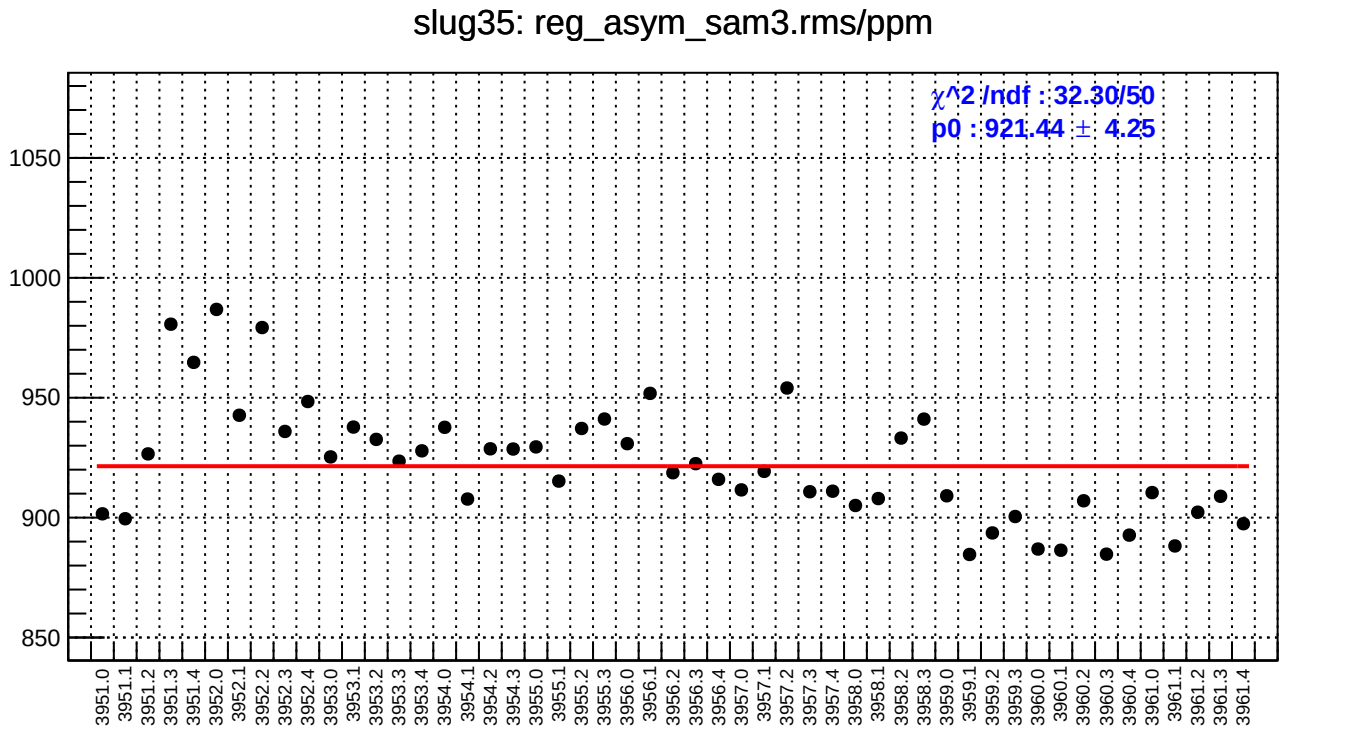

slug35: asym_sam2.mean/ppb-reg_asym_sam2.mean/ppb
×10^3
χ^2 /ndf : 2870570.40/50
p0 : 3742.49 ± 20.39
100
50
0
−50
−100
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4
slug35: 1D Corr asym_sam2.mean/ppb-reg_asym_sam2.mean/ppb
Mean 5817 ± 9447
Std Dev 6.747e+04 ± 6680
Underflow 0
Overflow 0
×10^3
−100
−50
0
50
100
150

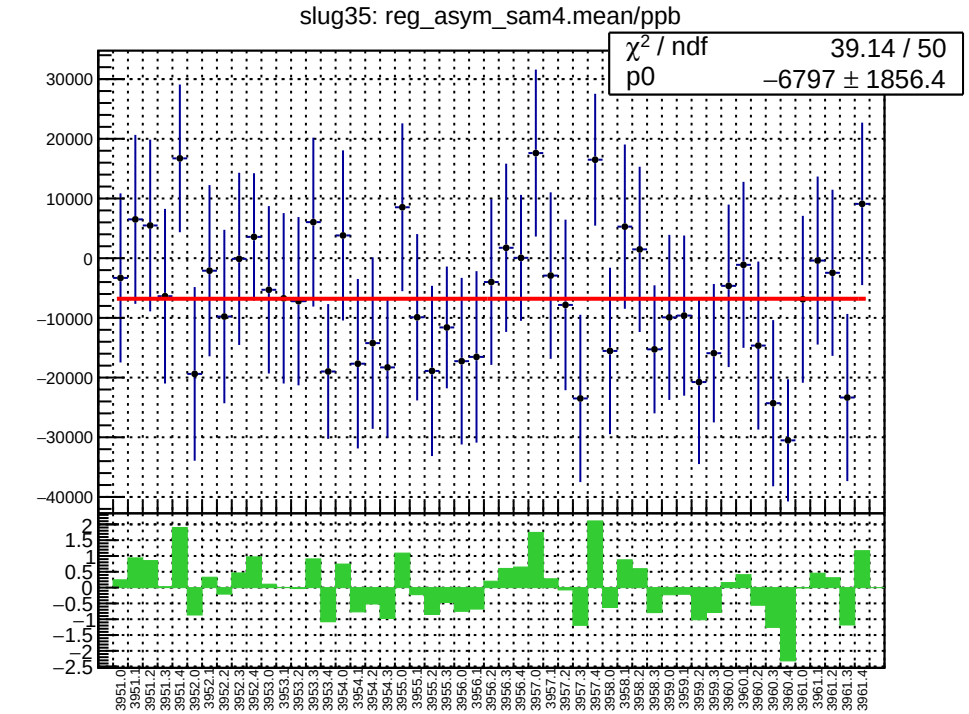

slug35: reg_asym_sam2.rms/ppm
χ^2 /ndf : 13.78/50
p0 : 2608.38 ± 7.15
2900
2800
2700
2600
2500
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

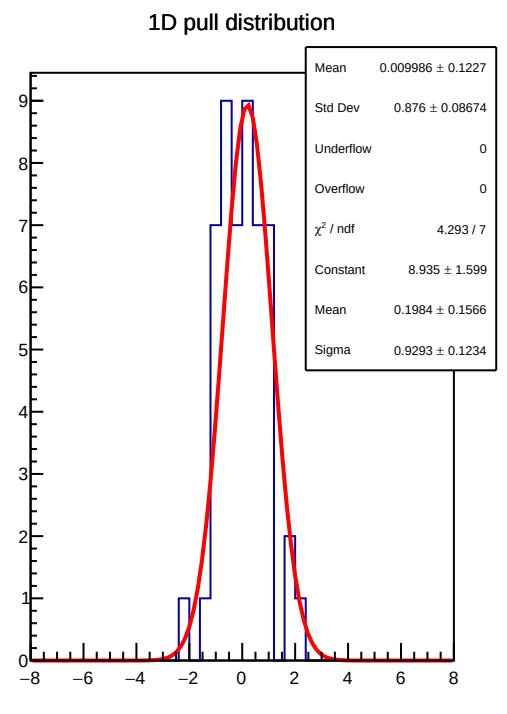

slug35: reg_asym_sam3.mean/ppb
χ² / ndf 62.74 / 50
p0 −3238 ± 1280.8
20000
10000
0
−10000
−20000
−30000
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

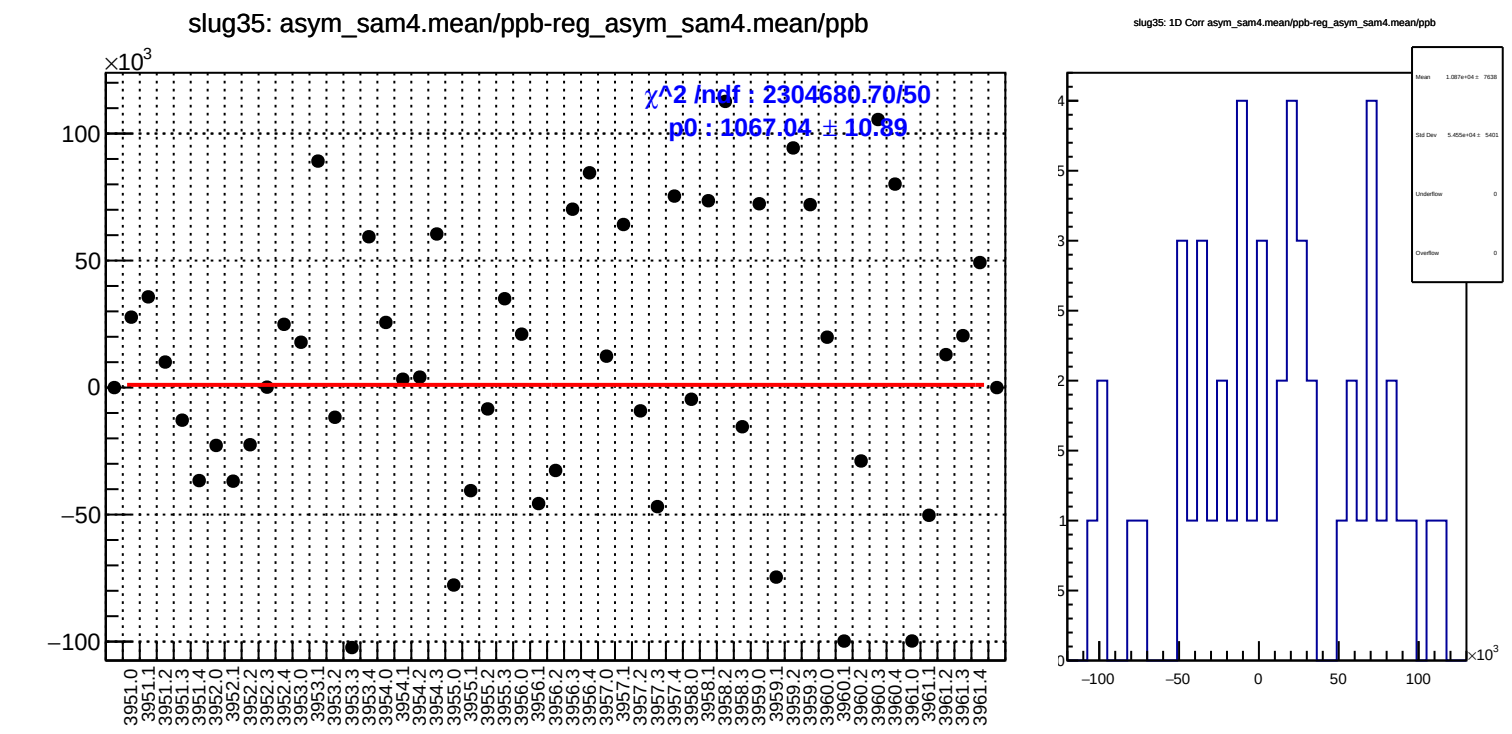

1D pull distribution
Mean 0.004997 ± 0.1553
Std Dev 1.109 ± 0.1098
Underflow 0
Overflow 0
χ² / ndf 2.467 / 8
Constant 6.333 ± 1.158
Mean 0.3092 ± 0.3150
Sigma 1.488 ± 0.317
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

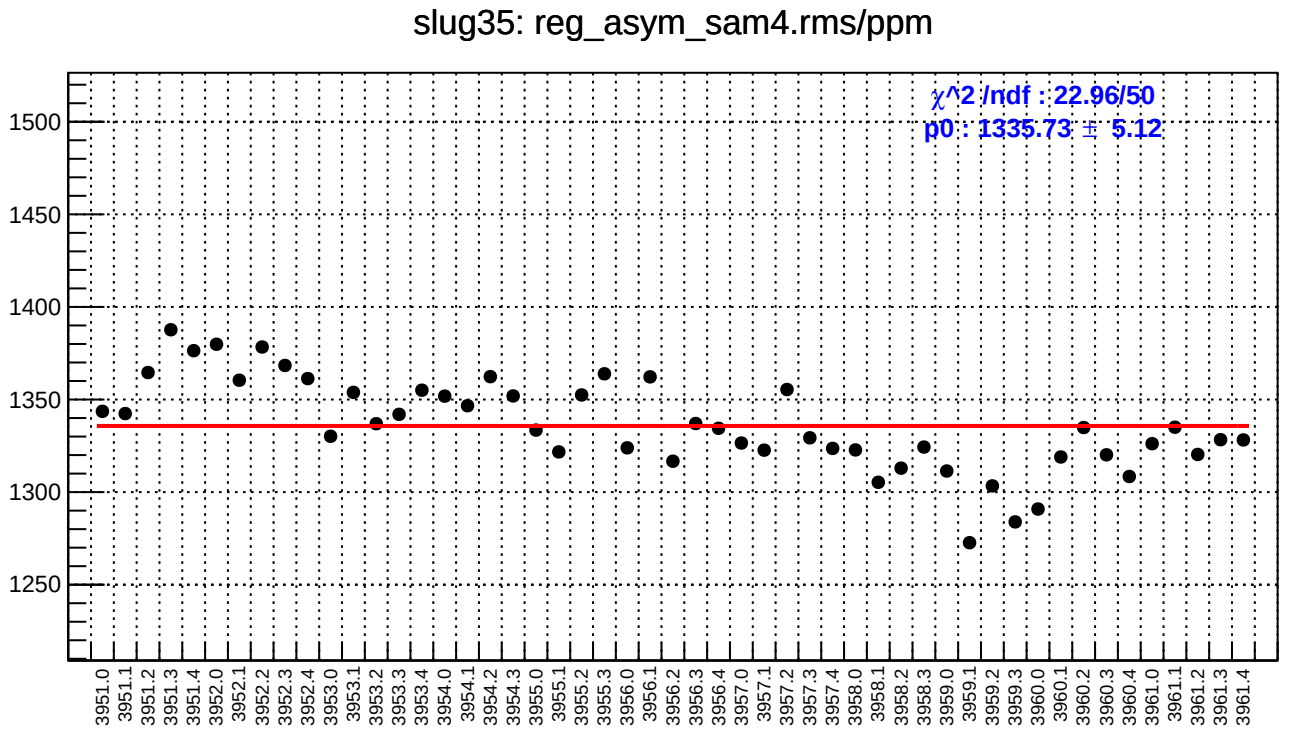

slug35: asym_sam3.mean/ppb-reg_asym_sam3.mean/ppb
χ^2 /ndf : 4290731.53/50
p0 : 4245.11 ± 29.14
×10^3
slug35: 1D Corr asym_sam3.mean/ppb-reg_asym_sam3.mean/ppb
Mean 1.455e+04 ± 1.372e+04
Std Dev 9.795e+04 ± 9699
Underflow 0
Overflow 0


slug35: reg_asym_sam3.rms/ppm
χ^2 /ndf : 32.30/50
p0 : 921.44 ± 4.25
1050
1000
950
900
850
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4


slug35: reg_asym_sam4.mean/ppb
χ² / ndf 39.14 / 50
p0 −6797 ± 1856.4


1D pull distribution
Mean 0.009986 ± 0.1227
Std Dev 0.876 ± 0.08674
Underflow 0
Overflow 0
χ² / ndf 4.293 / 7
Constant 8.935 ± 1.599
Mean 0.1984 ± 0.1566
Sigma 0.9293 ± 0.1234


slug35: asym_sam4.mean/ppb-reg_asym_sam4.mean/ppb
χ^2 /ndf : 2304680.70/50
p0 : 1067.04 ± 10.89
×10^3
100
50
0
−50
−100
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4
slug35: 1D Corr asym_sam4.mean/ppb-reg_asym_sam4.mean/ppb
Mean 1.087e+04 ± 7638
Std Dev 5.455e+04 ± 5401
Underflow 0
Overflow 0
−100
−50
0
50
100
×10^3


slug35: reg_asym_sam4.rms/ppm
χ^2 /ndf : 22.96/50
p0 : 1335.73 ± 5.12
1500
1450
1400
1350
1300
1250
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
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3955.1
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3956.1
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3956.3
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3957.0
3957.1
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3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
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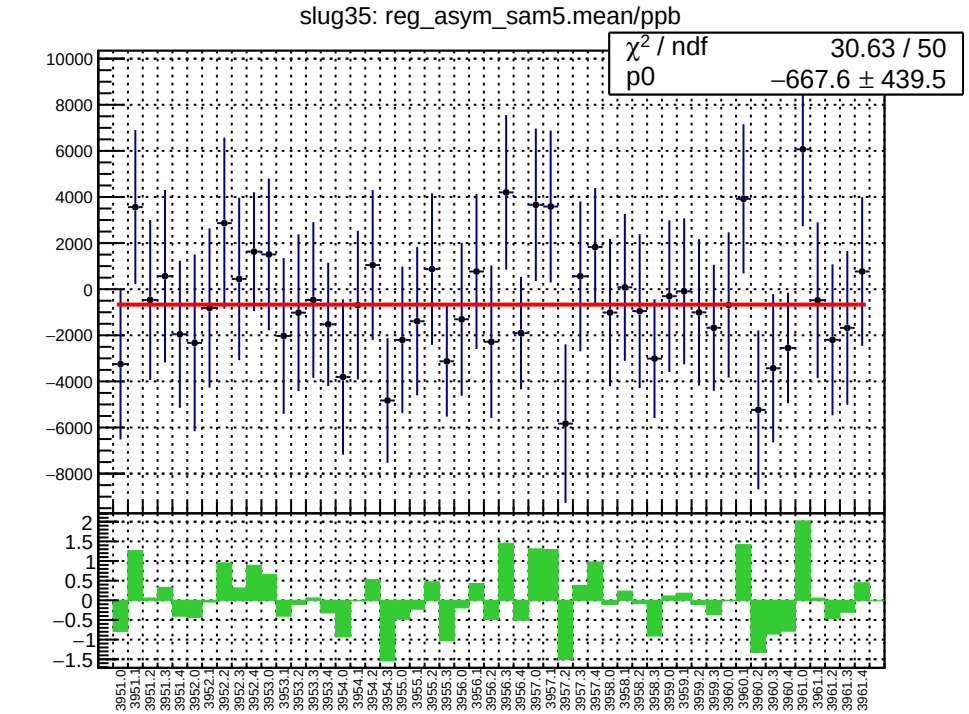
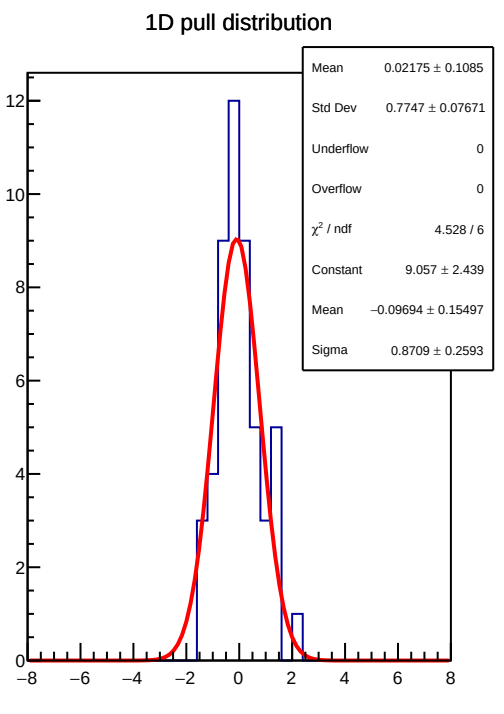
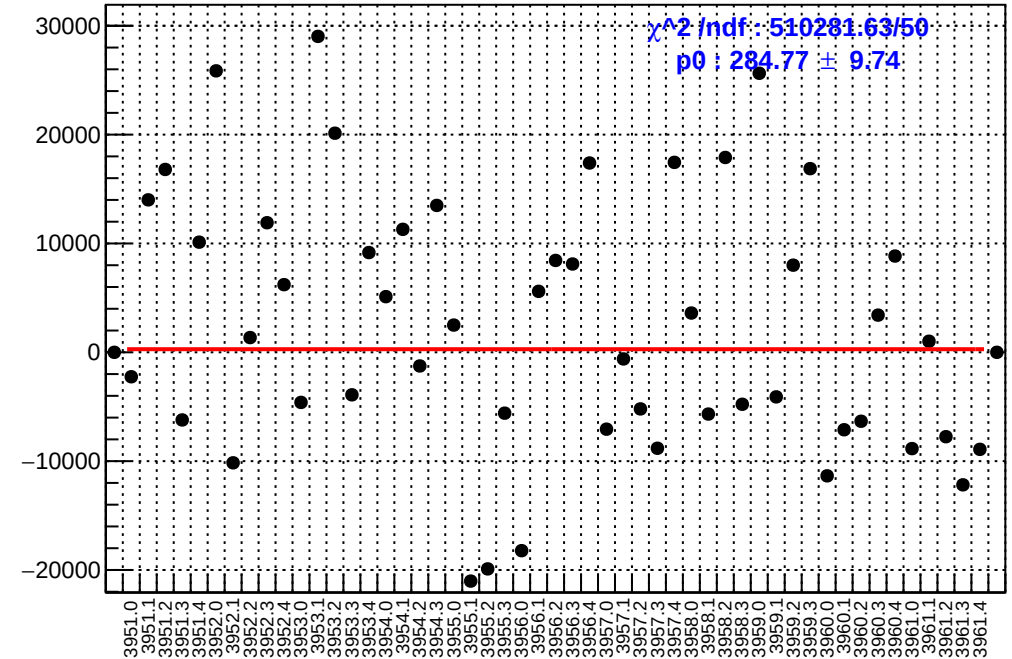
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

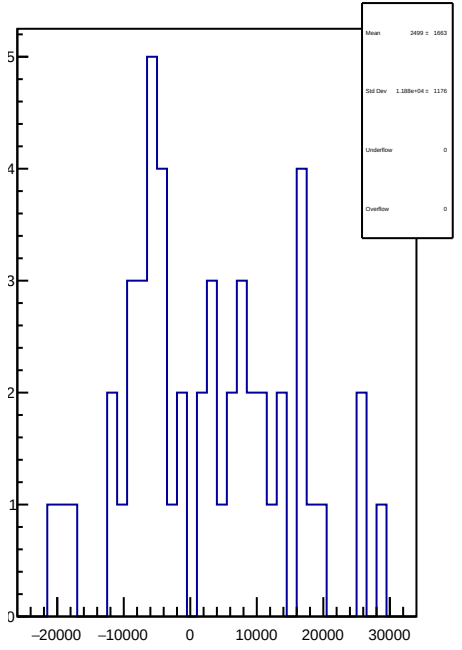

slug35: reg_asym_sam5.mean/ppb
χ² / ndf 30.63 / 50
p0 −667.6 ± 439.5

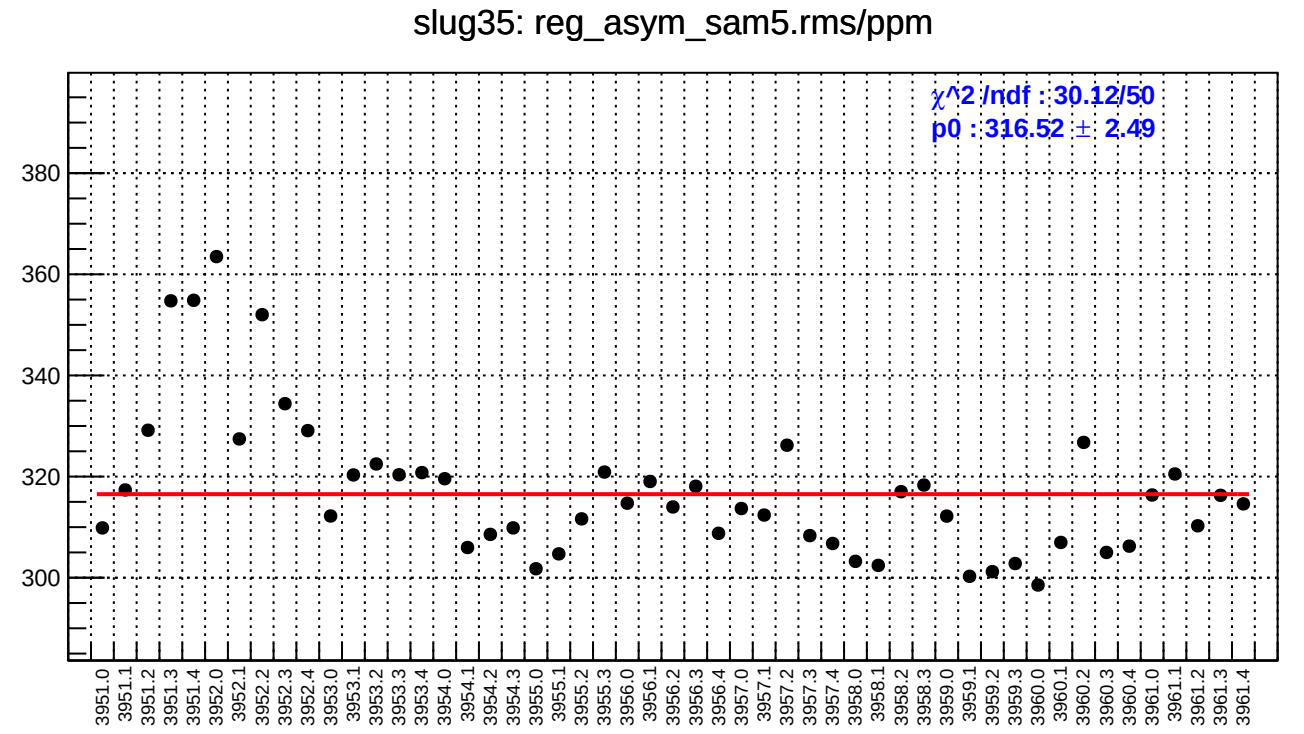

1D pull distribution
Mean 0.02175 ± 0.1085
Std Dev 0.7747 ± 0.07671
Underflow 0
Overflow 0
χ² / ndf 4.528 / 6
Constant 9.057 ± 2.439
Mean −0.09694 ± 0.15497
Sigma 0.8709 ± 0.2593

slug35: asym_sam5.mean/ppb-reg_asym_sam5.mean/ppb



slug35: 1D Corr asym_sam5.mean/ppb-reg_asym_sam5.mean/ppb




slug35: reg_asym_sam5.rms/ppm
χ^2 /ndf : 30.12/50
p0 : 316.52 ± 2.49
380
360
340
320
300
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
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3953.4
3954.0
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3955.1
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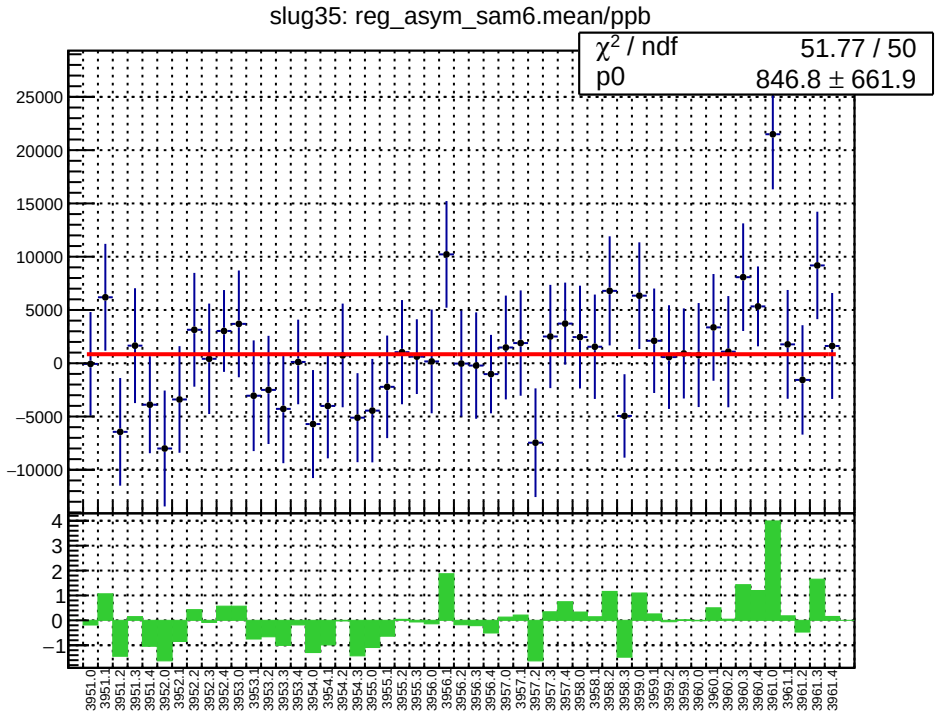
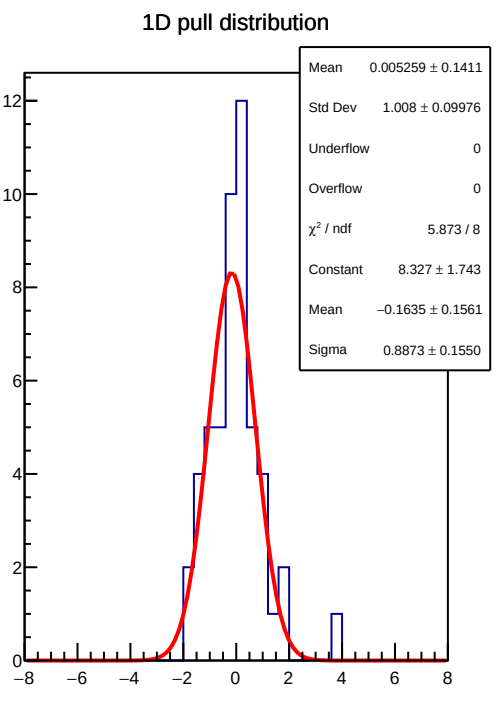
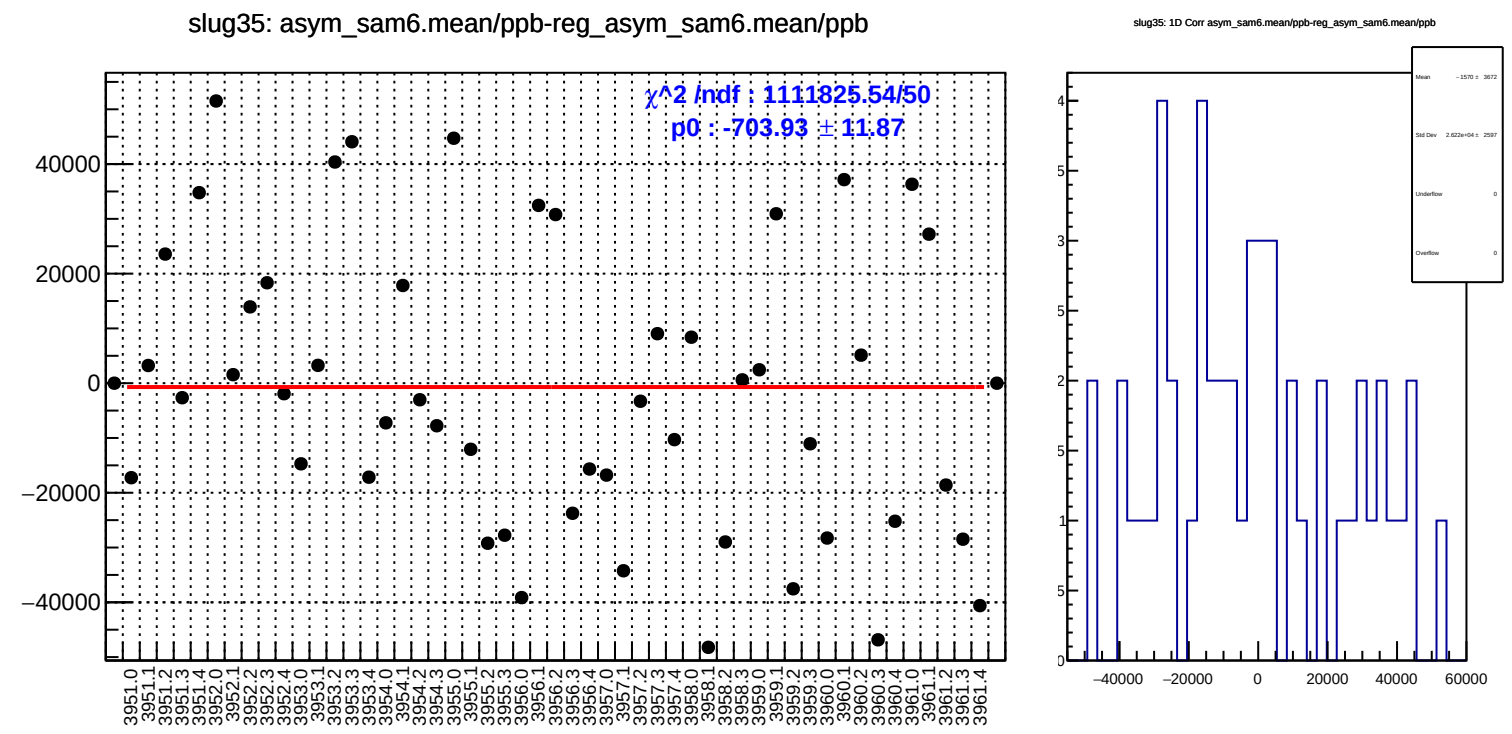
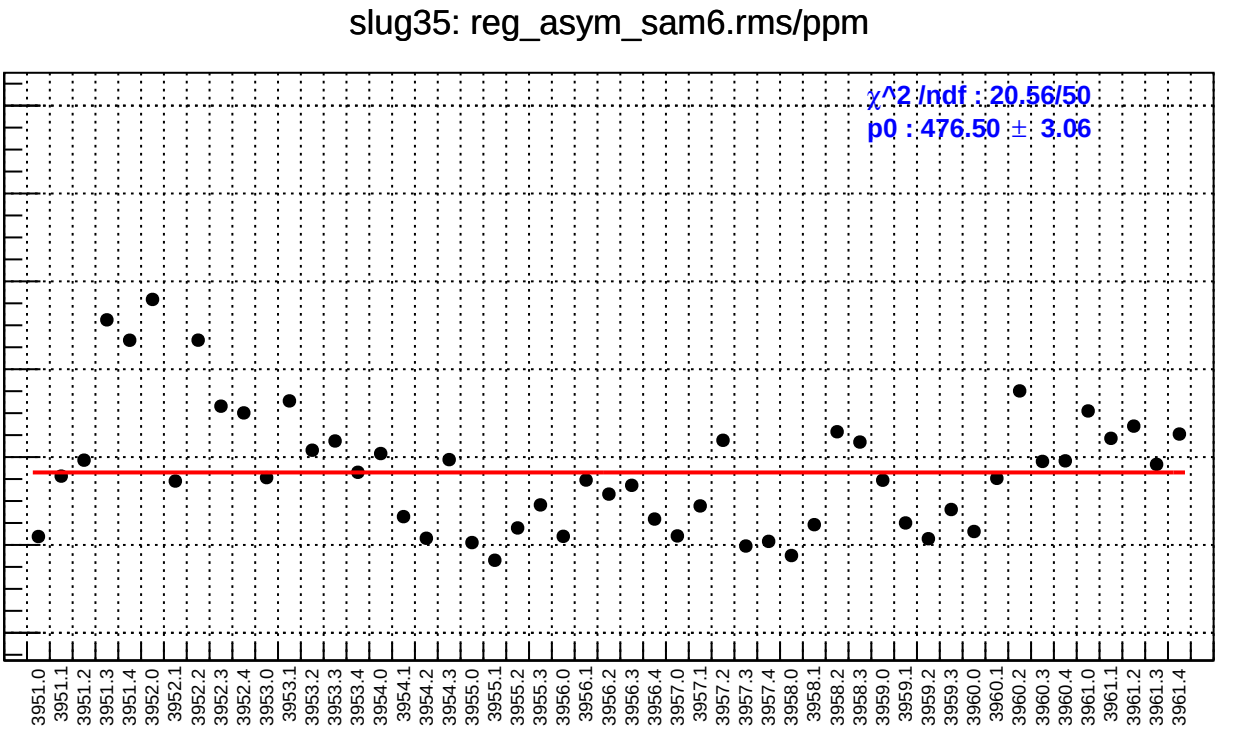
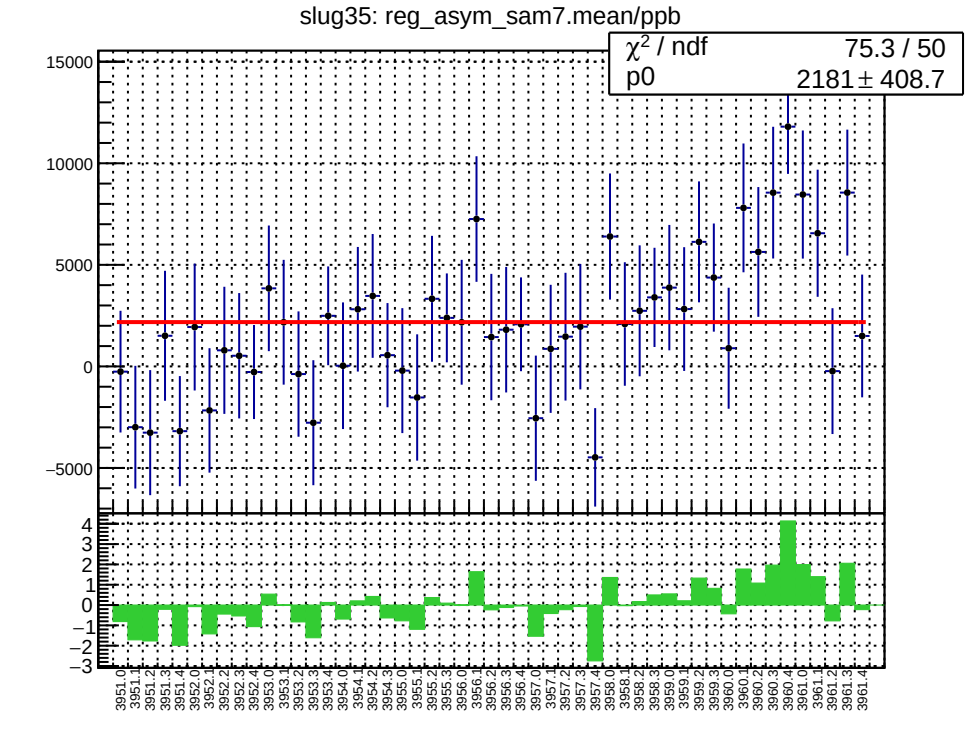
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

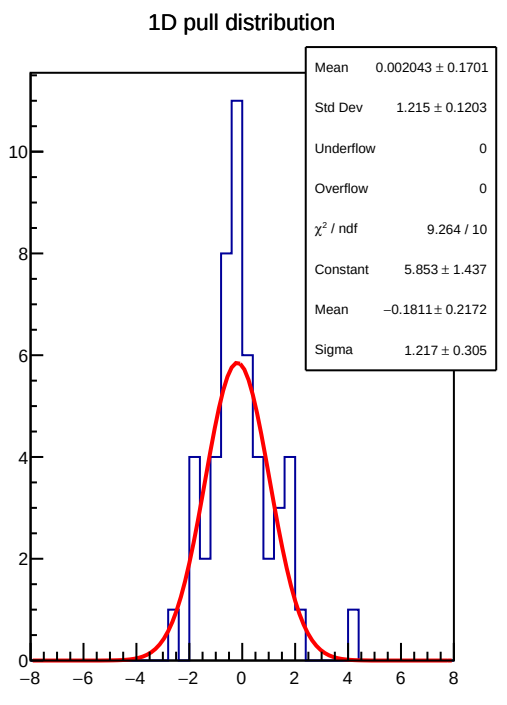

slug35: reg_asym_sam6.mean/ppb
χ² / ndf 51.77 / 50
p0 846.8 ± 661.9
25000
20000
15000
10000
5000
0
−5000
−10000
4
3
2
1
0
−1
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.2
3954.3
3955.0
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

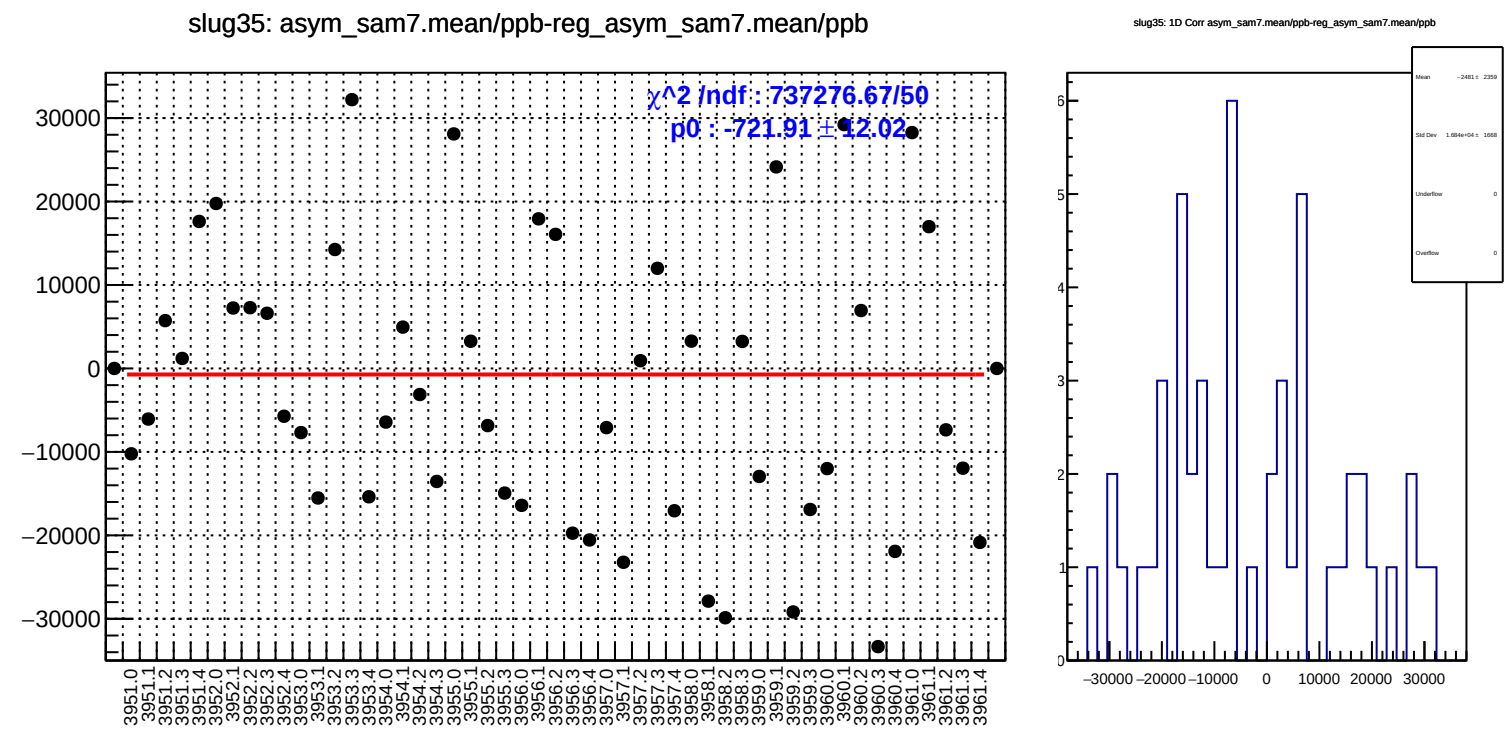

1D pull distribution
Mean 0.005259 ± 0.1411
Std Dev 1.008 ± 0.09976
Underflow 0
Overflow 0
χ² / ndf 5.873 / 8
Constant 8.327 ± 1.743
Mean −0.1635 ± 0.1561
Sigma 0.8873 ± 0.1550
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

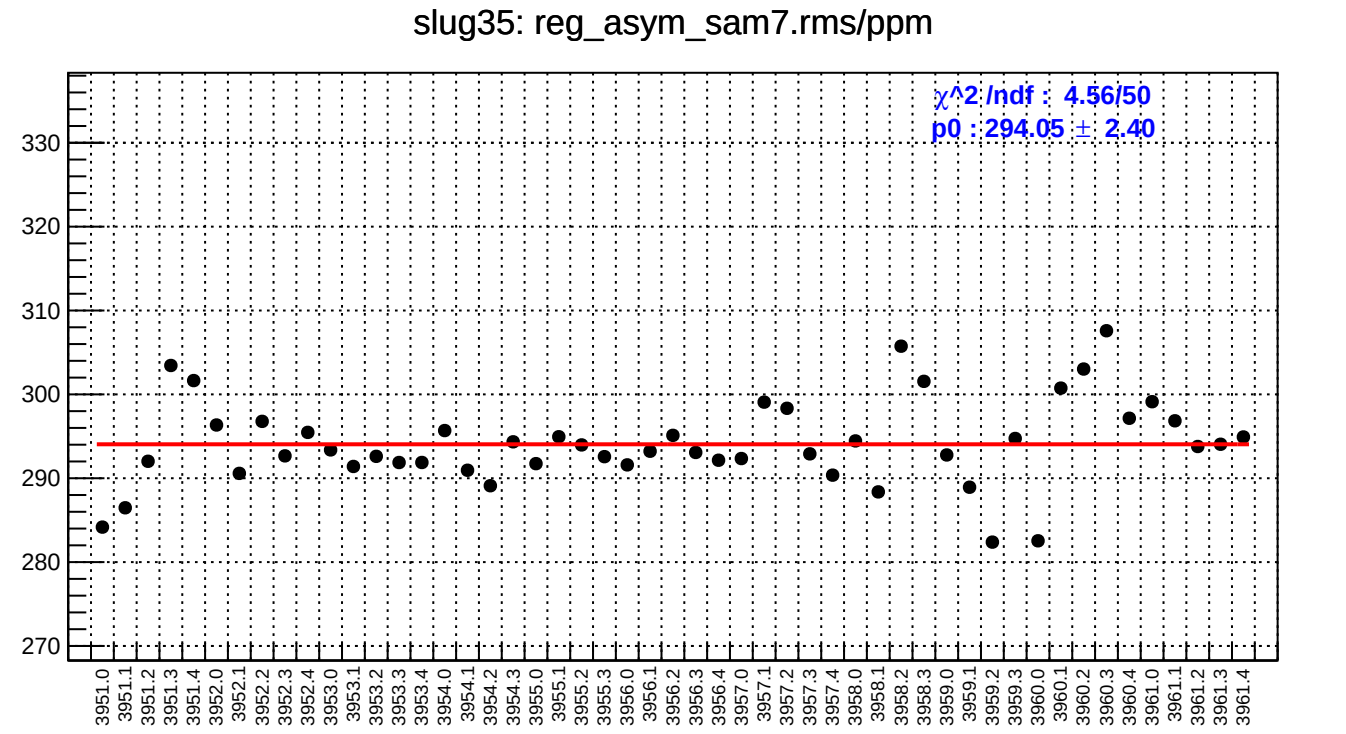

slug35: asym_sam6.mean/ppb-reg_asym_sam6.mean/ppb
χ^2 /ndf : 1111825.54/50
p0 : -703.93 ± 11.87
40000
20000
0
−20000
−40000
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4
slug35: 1D Corr asym_sam6.mean/ppb-reg_asym_sam6.mean/ppb
Mean −1570 ± 3672
Std Dev 2.622e+04 ± 2597
Underflow 0
Overflow 0
4
5
3
5
2
5
1
5
0
−40000
−20000
0
20000
40000
60000


slug35: reg_asym_sam6.rms/ppm
χ^2 /ndf : 20.56/50
p0 : 476.50 ± 3.06
560
540
520
500
480
460
440
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4


slug35: reg_asym_sam7.mean/ppb
χ² / ndf 75.3 / 50
p0 2181 ± 408.7
15000
10000
5000
0
−5000
4
3
2
1
0
−1
−2
−3


1D pull distribution
Mean 0.002043 ± 0.1701
Std Dev 1.215 ± 0.1203
Underflow 0
Overflow 0
χ² / ndf 9.264 / 10
Constant 5.853 ± 1.437
Mean −0.1811 ± 0.2172
Sigma 1.217 ± 0.305
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


slug35: asym_sam7.mean/ppb-reg_asym_sam7.mean/ppb
χ^2 /ndf : 737276.67/50
p0 : -721.91 ± 12.02
30000
20000
10000
0
−10000
−20000
−30000
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4
slug35: 1D Corr asym_sam7.mean/ppb-reg_asym_sam7.mean/ppb
Mean −2481 ± 2359
Std Dev 1.684e+04 ± 1668
Underflow 0
Overflow 0
6
5
4
3
2
1
0
−30000
−20000
−10000
0
10000
20000
30000


slug35: reg_asym_sam7.rms/ppm
χ^2 /ndf : 4.56/50
p0 : 294.05 ± 2.40
330
320
310
300
290
280
270
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
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3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
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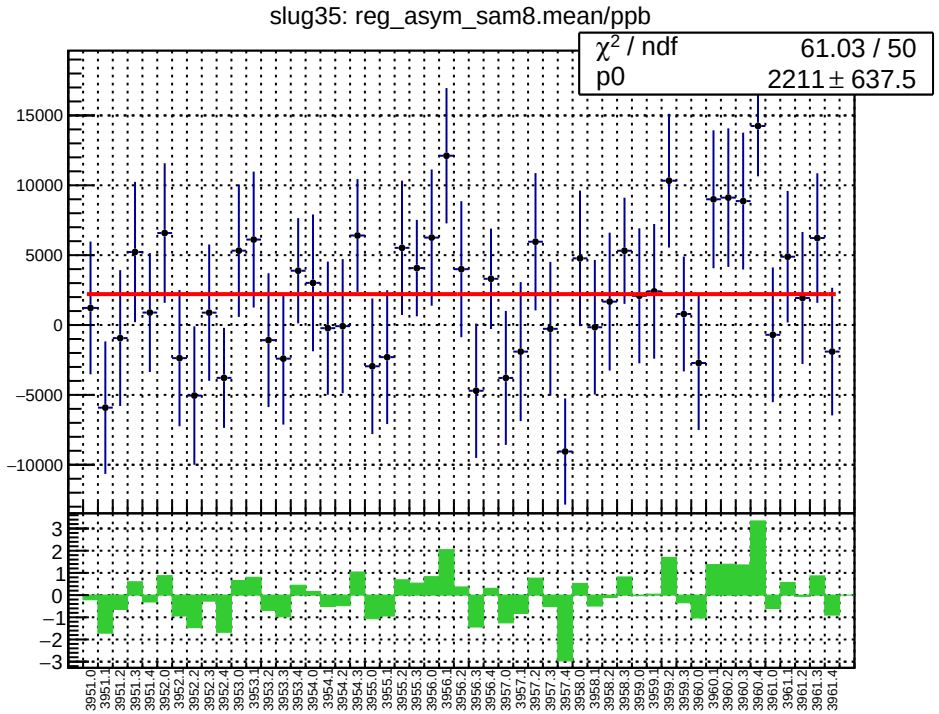
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4


slug35: reg_asym_sam8.mean/ppb
χ² / ndf 61.03 / 50
p0 2211 ± 637.5
15000
10000
5000
0
−5000
−10000
3
2
1
0
−1
−2
−3
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
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3955.0
3955.1
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3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
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3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
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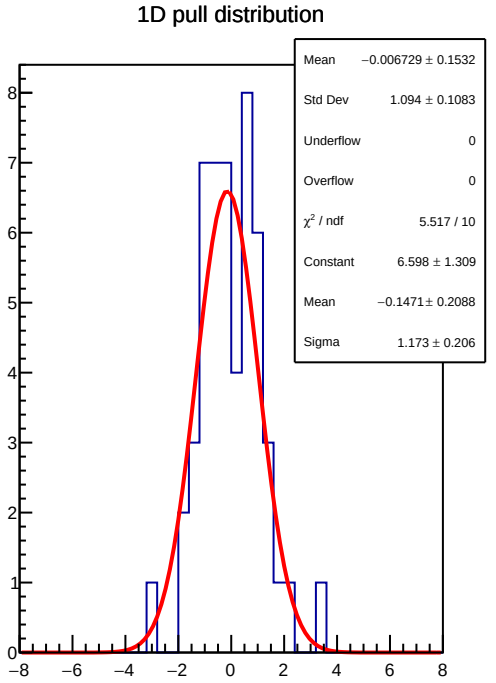
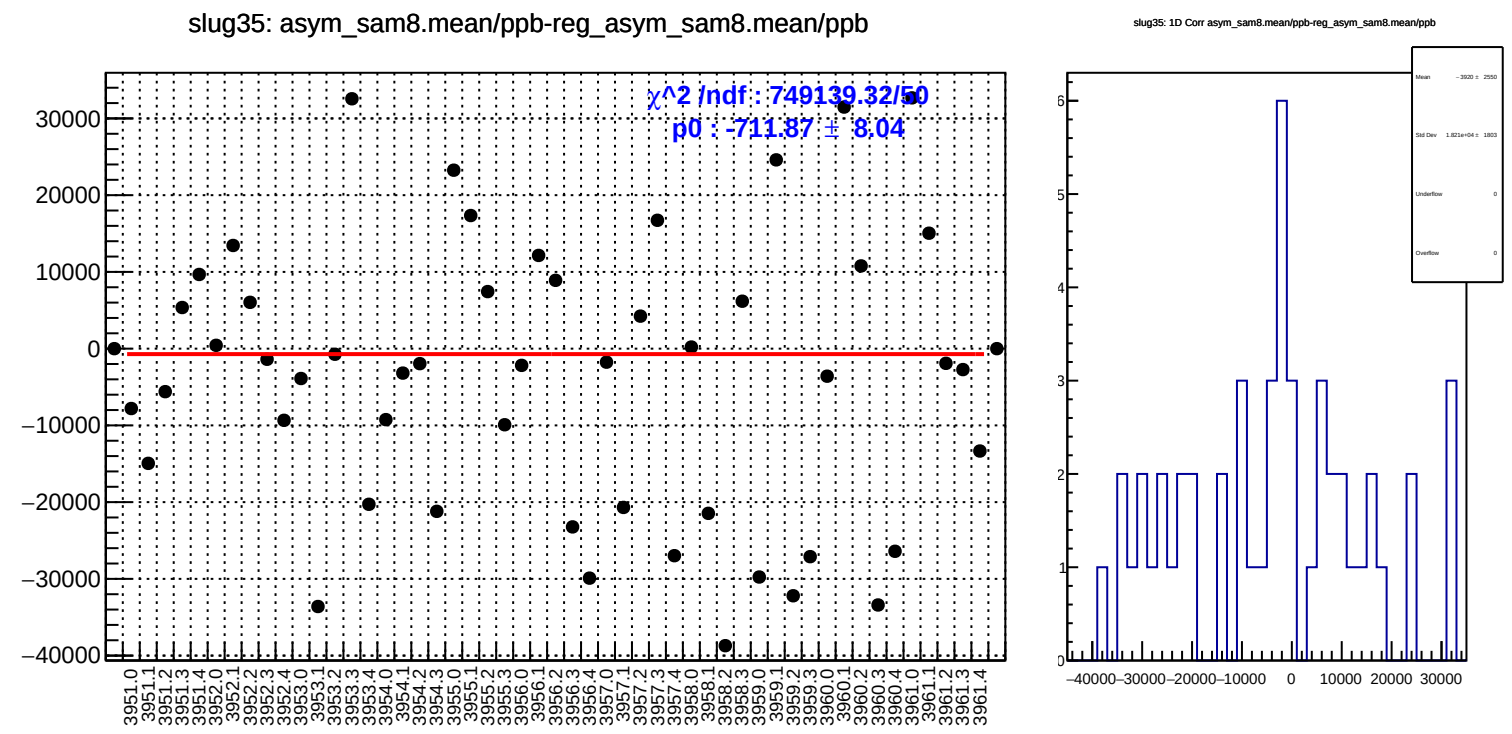
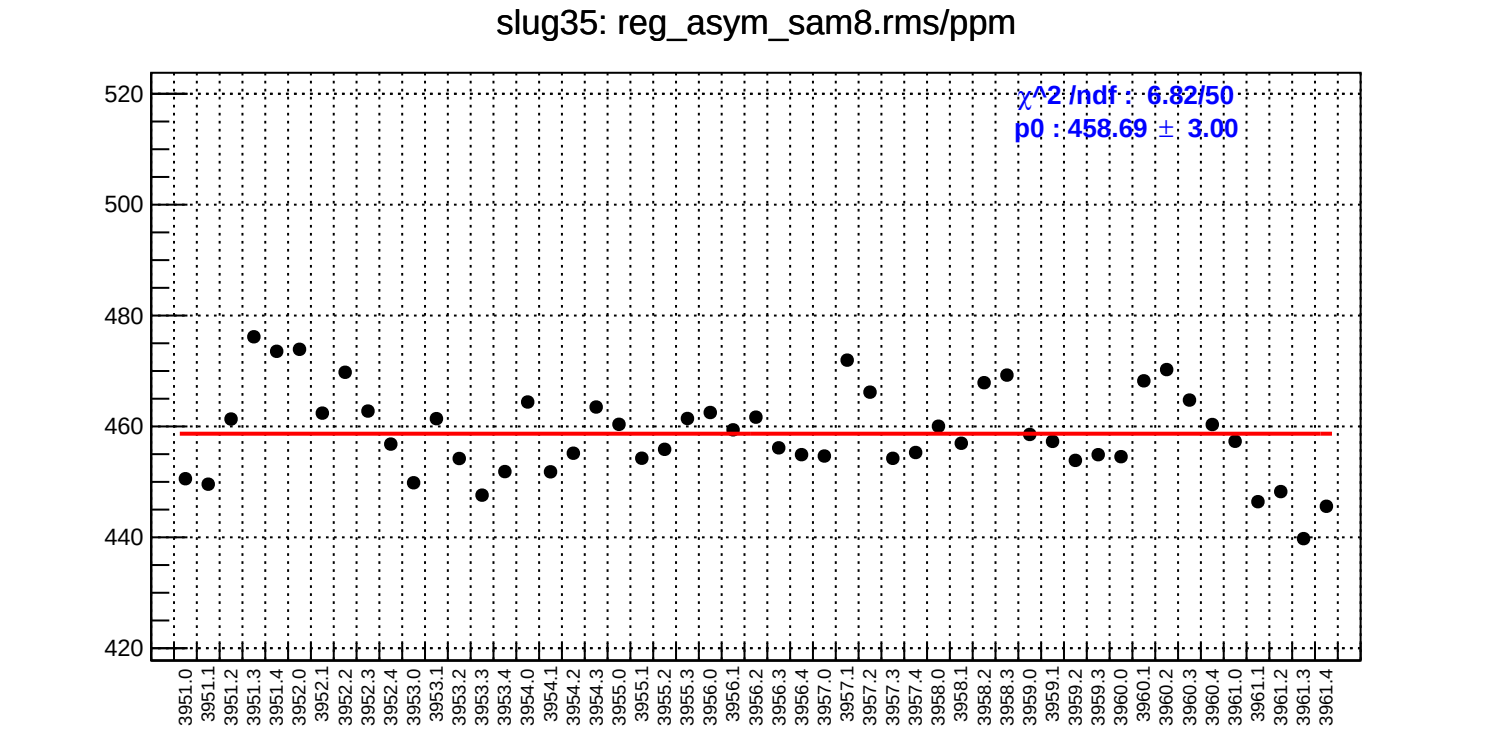
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4


1D pull distribution
Mean −0.006729 ± 0.1532
Std Dev 1.094 ± 0.1083
Underflow 0
Overflow 0
χ² / ndf 5.517 / 10
Constant 6.598 ± 1.309
Mean −0.1471 ± 0.2088
Sigma 1.173 ± 0.206
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


slug35: asym_sam8.mean/ppb-reg_asym_sam8.mean/ppb
χ^2 /ndf : 749139.32/50
p0 : -711.87 ± 8.04
slug35: 1D Corr asym_sam8.mean/ppb-reg_asym_sam8.mean/ppb
Mean -3920 ± 2550
Std Dev 1.821e+04 ± 1803
Underflow 0
Overflow 0


slug35: reg_asym_sam8.rms/ppm
χ^2 /ndf : 6.82/50
p0 : 458.69 ± 3.00
520
500
480
460
440
420
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
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3954.2
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3955.1
3955.2
3955.3
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3956.1
3956.2
3956.3
3956.4
3957.0
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3957.2
3957.3
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3958.1
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3960.4
3961.0
3961.1
3961.2
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3961.4