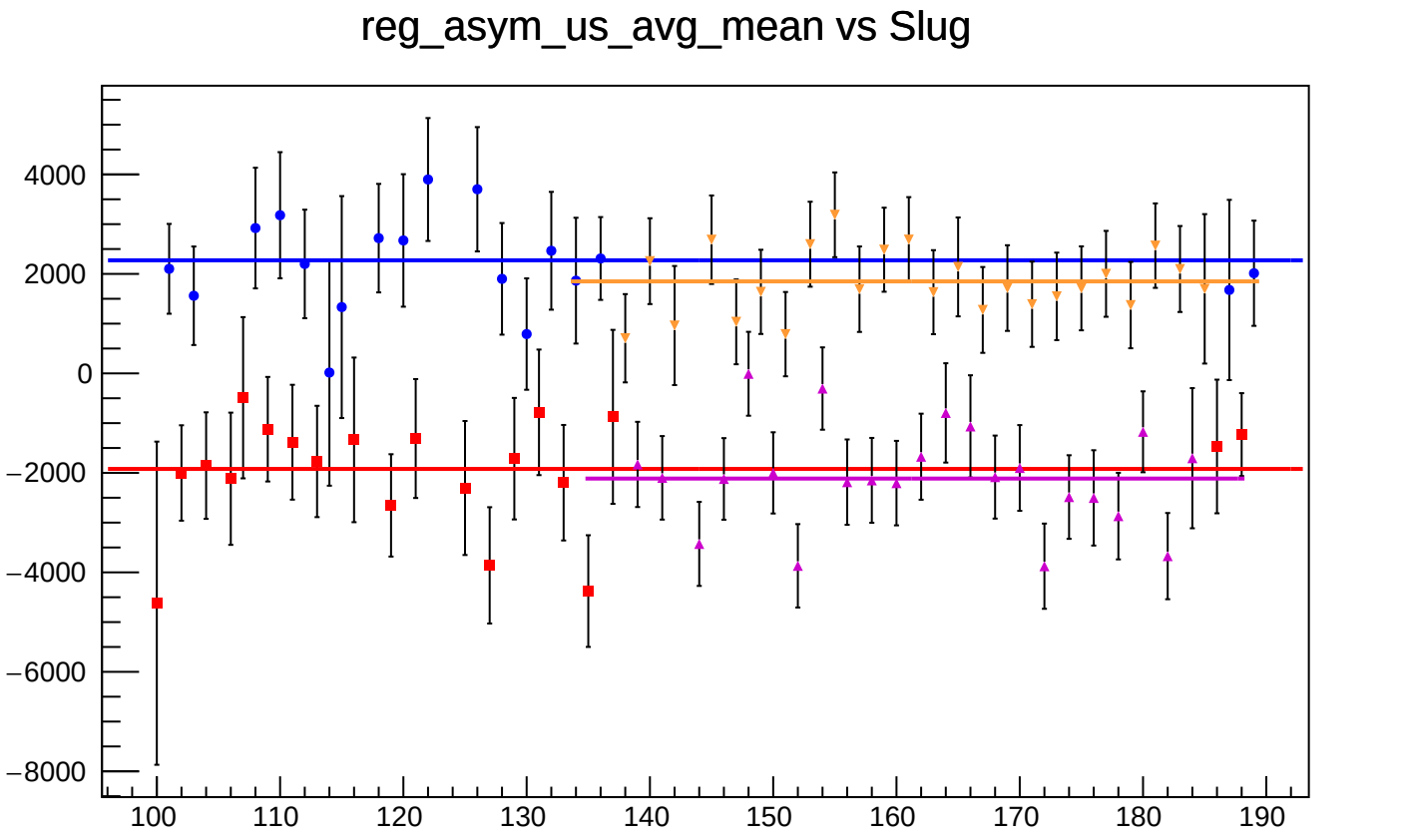


Right In: 2273.209+/-276.774 χ^2/NDF: 8.0/17

Left Out: 1849.592+/-180.739 χ^2/NDF:12.8/23

Right Out: -1921.048+/-268.201 χ^2/NDF: 12.9/19

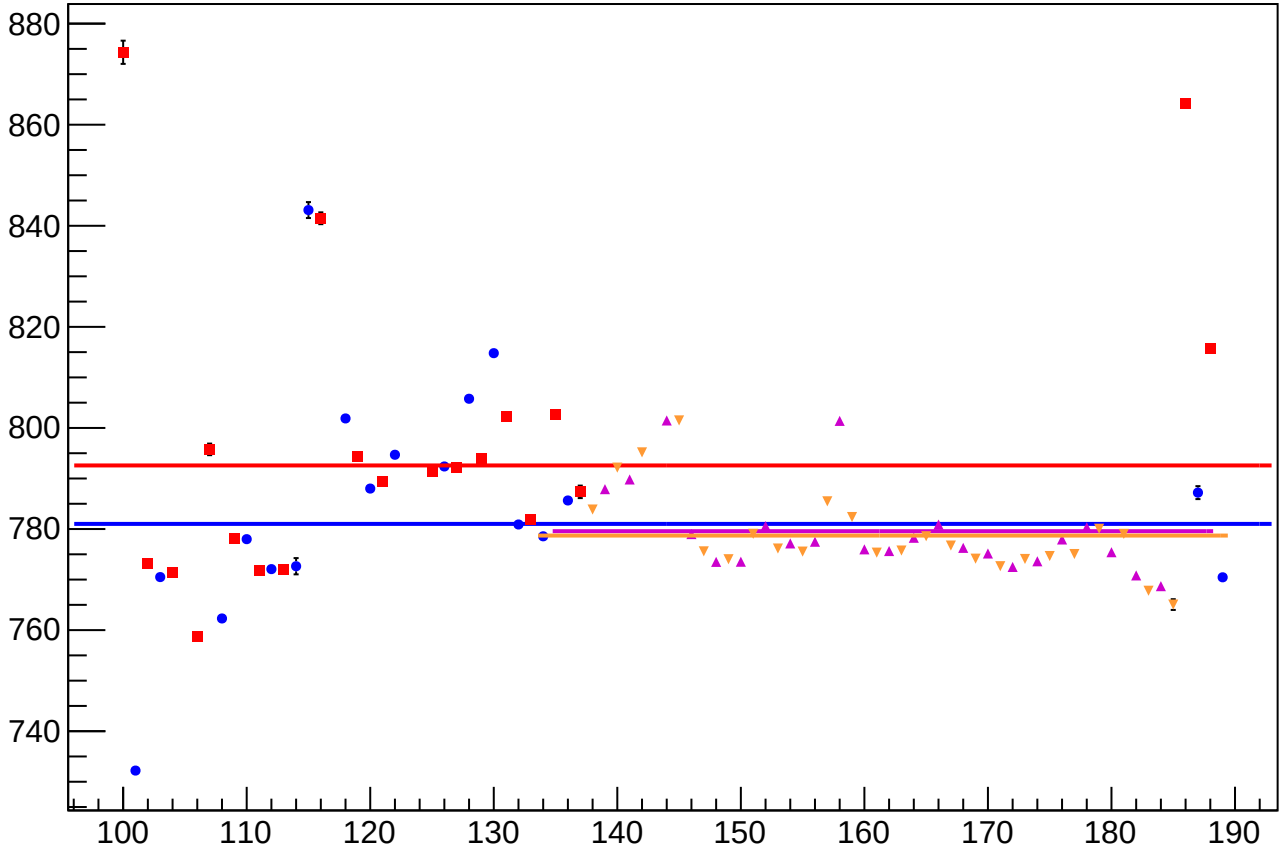
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 1976.233+/-151.330 χ^2/NDF: 22.5/41

All: -48.163+/-106.753 χ^2/NDF: 423.0/84

- sign -2053.452+/-150.615 χ^2/NDF: 44.3/42

reg_asym_us_avg_rms vs Slug



Right In: 781.016+/-0.196 χ^2/NDF: 12551.6/17

Left Out: 778.708+/-0.128 χ^2/NDF:3389.8/23

Right Out: 792.582+/-0.190 χ^2/NDF: 15339.7/19

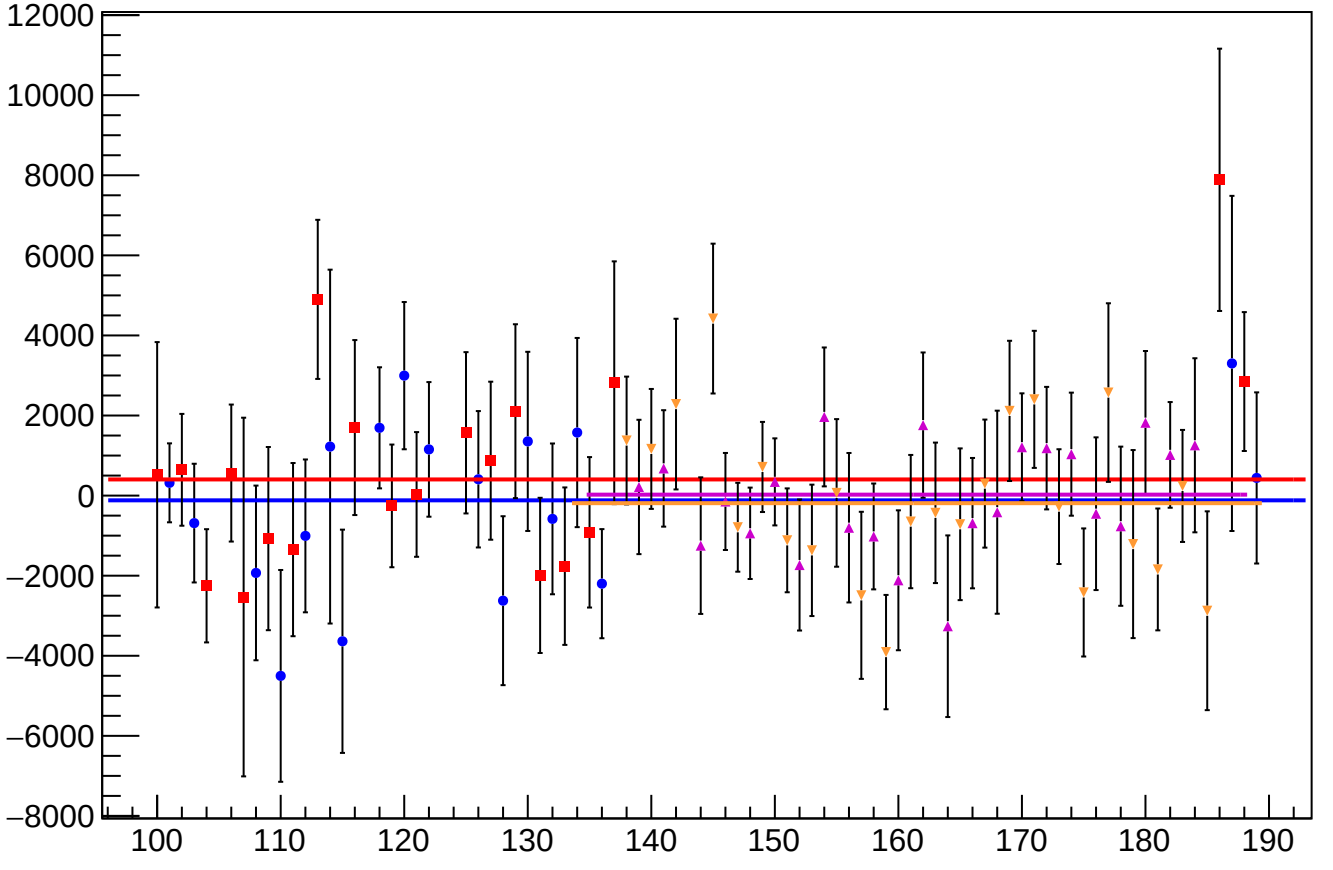
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

\+ sign 779.398+/-0.107 χ^2/NDF: 16038.9/41

All: 781.548+/-0.075 χ^2/NDF: 39575.0/84

\- sign 783.677+/-0.107 χ^2/NDF: 22733.1/42

asym_us_avg_reg_correction_mean vs Slug



Right In: -118.213+/-429.407 χ^2/NDF: 16.1/17

Left Out: -189.006+/-327.675 χ^2/NDF:29.6/23

Right Out: 403.685+/-436.020 χ^2/NDF: 22.9/19

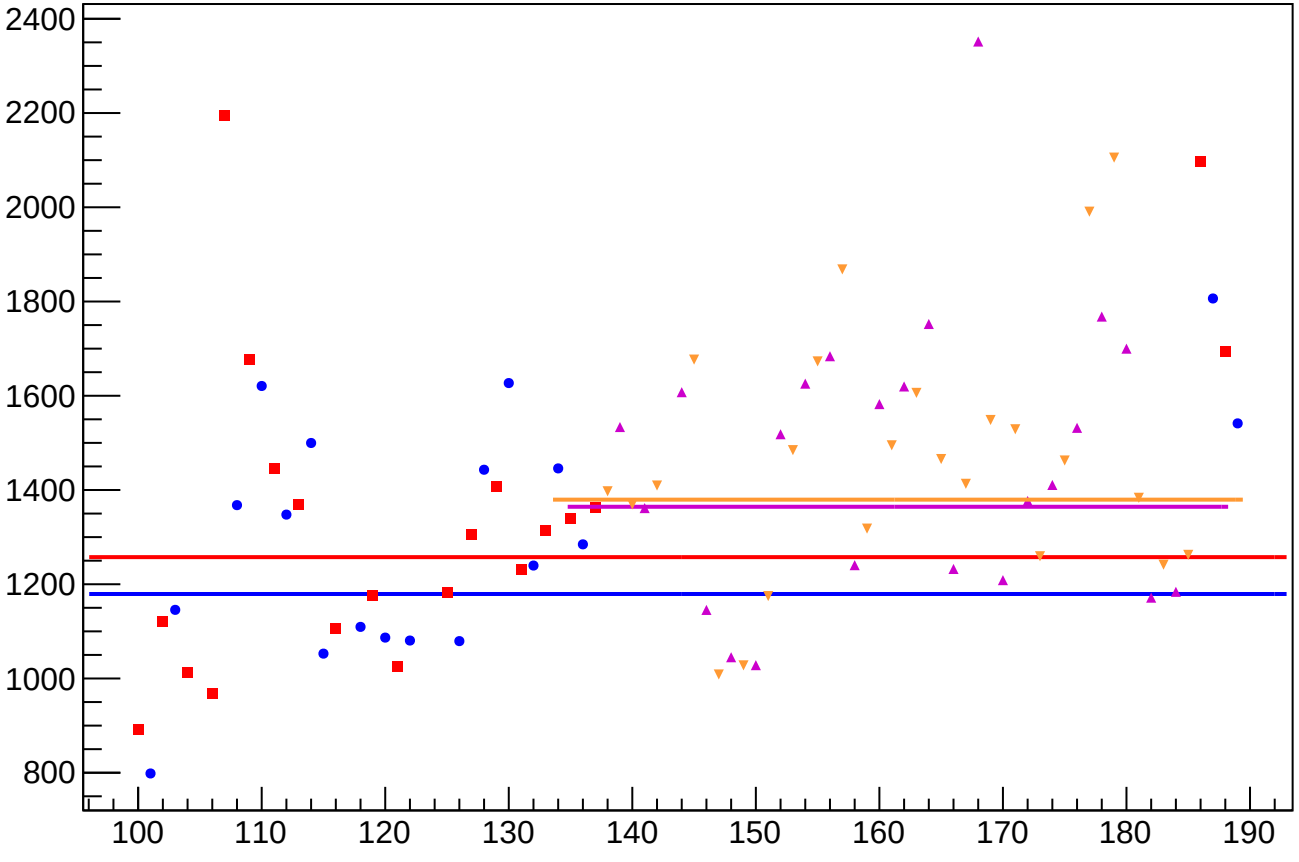
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

\+ sign -162.954+/-260.494 χ^2/NDF: 45.8/41

All: -1.845+/-184.373 χ^2/NDF: 83.3/84

\- sign 159.881+/-260.993 χ^2/NDF: 36.8/42

asym_us_avg_reg_correction_rms vs Slug



Right In: 1179.307+/-0.304 χ^2/NDF: 676590.7/17

Left Out: 1379.536+/-0.232 χ^2/NDF:1158468.5/23

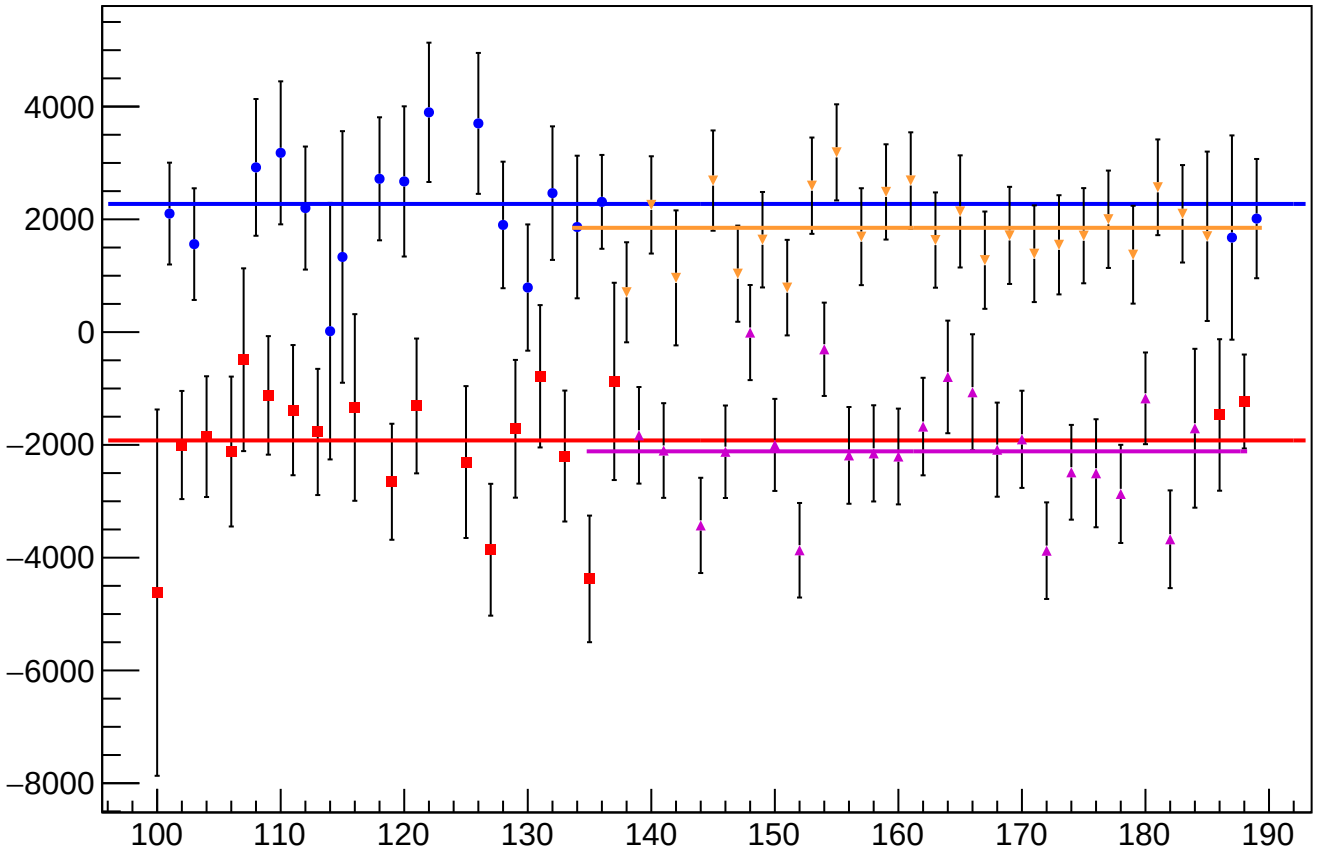
Right Out: 1257.531+/-0.308 χ^2/NDF: 677141.8/19

Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

+ sign 1305.850+/-0.184 χ^2/NDF: 2109884.2/41

All: 1315.964+/-0.130 χ^2/NDF: 4182484.3/84

- sign 1326.116+/-0.185 χ^2/NDF: 2066558.9/42



Right In: 2273.209+/-276.774 χ^2/NDF: 8.0/17

Left Out: 1849.592+/-180.739 χ^2/NDF:12.8/23

Right Out: -1921.048+/-268.201 χ^2/NDF: 12.9/19

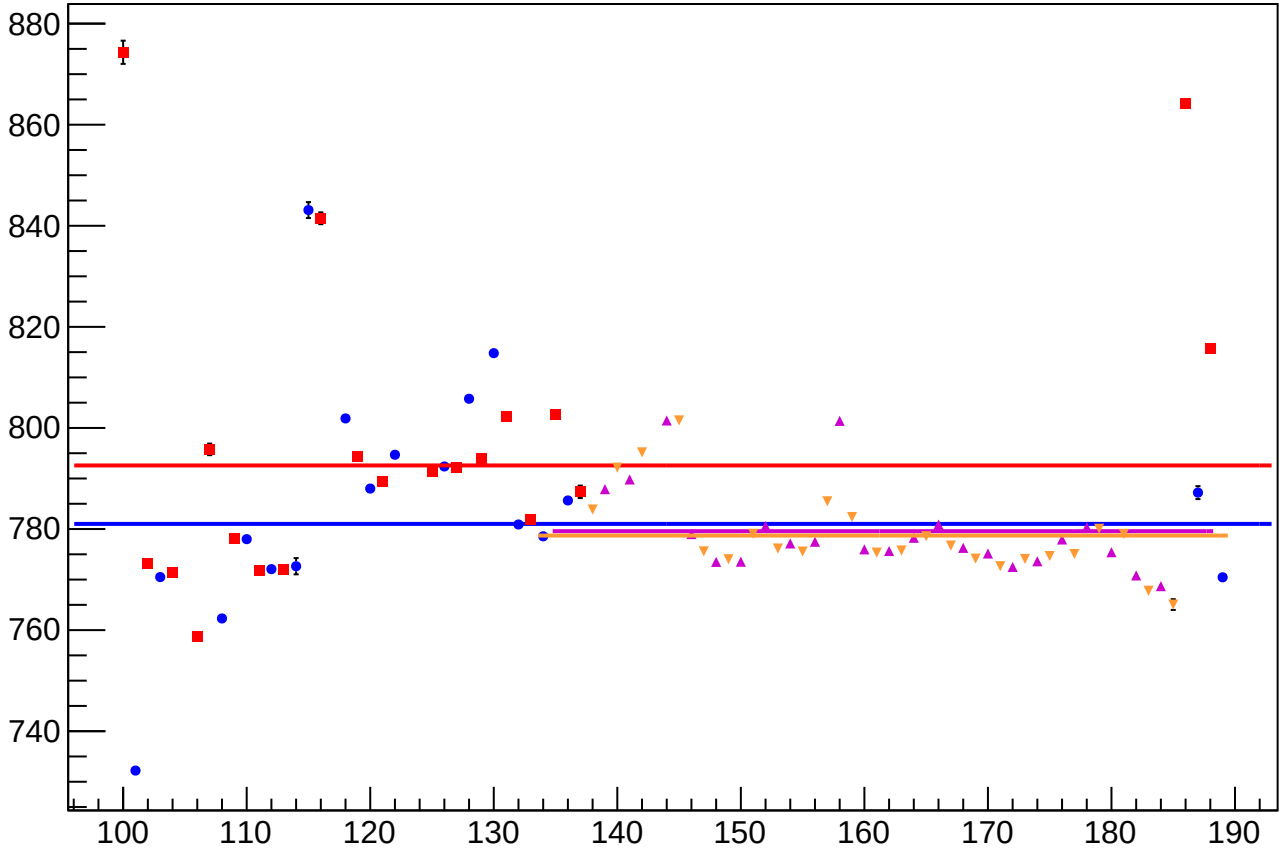
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 1976.233+/-151.330 χ^2/NDF: 22.5/41

All: -48.163+/-106.753 χ^2/NDF: 423.0/84

- sign -2053.452+/-150.615 χ^2/NDF: 44.3/42

cor_asym_us_avg_rms vs Slug



Right In: 781.016+/-0.196 χ^2/NDF: 12551.6/17

Left Out: 778.708+/-0.128 χ^2/NDF:3389.8/23

Right Out: 792.582+/-0.190 χ^2/NDF: 15339.7/19

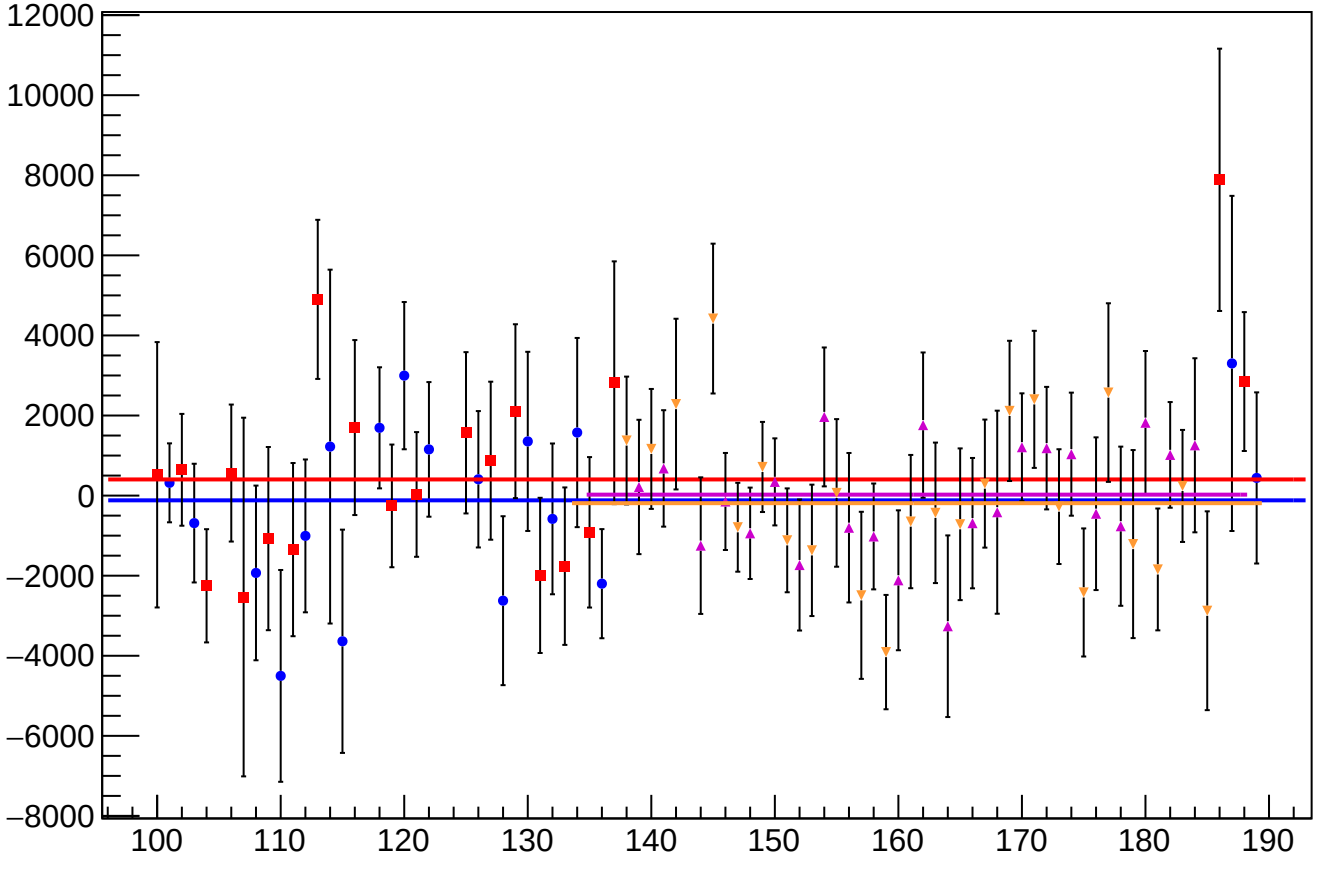
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

+ sign 779.398+/-0.107 χ^2/NDF: 16038.9/41

All: 781.548+/-0.075 χ^2/NDF: 39575.0/84

- sign 783.677+/-0.107 χ^2/NDF: 22733.1/42

asym_us_avg_cor_correction_mean vs Slug



Right In: -118.213+/-429.407 χ^2/NDF: 16.1/17

Left Out: -189.006+/-327.675 χ^2/NDF:29.6/23

Right Out: 403.685+/-436.020 χ^2/NDF: 22.9/19

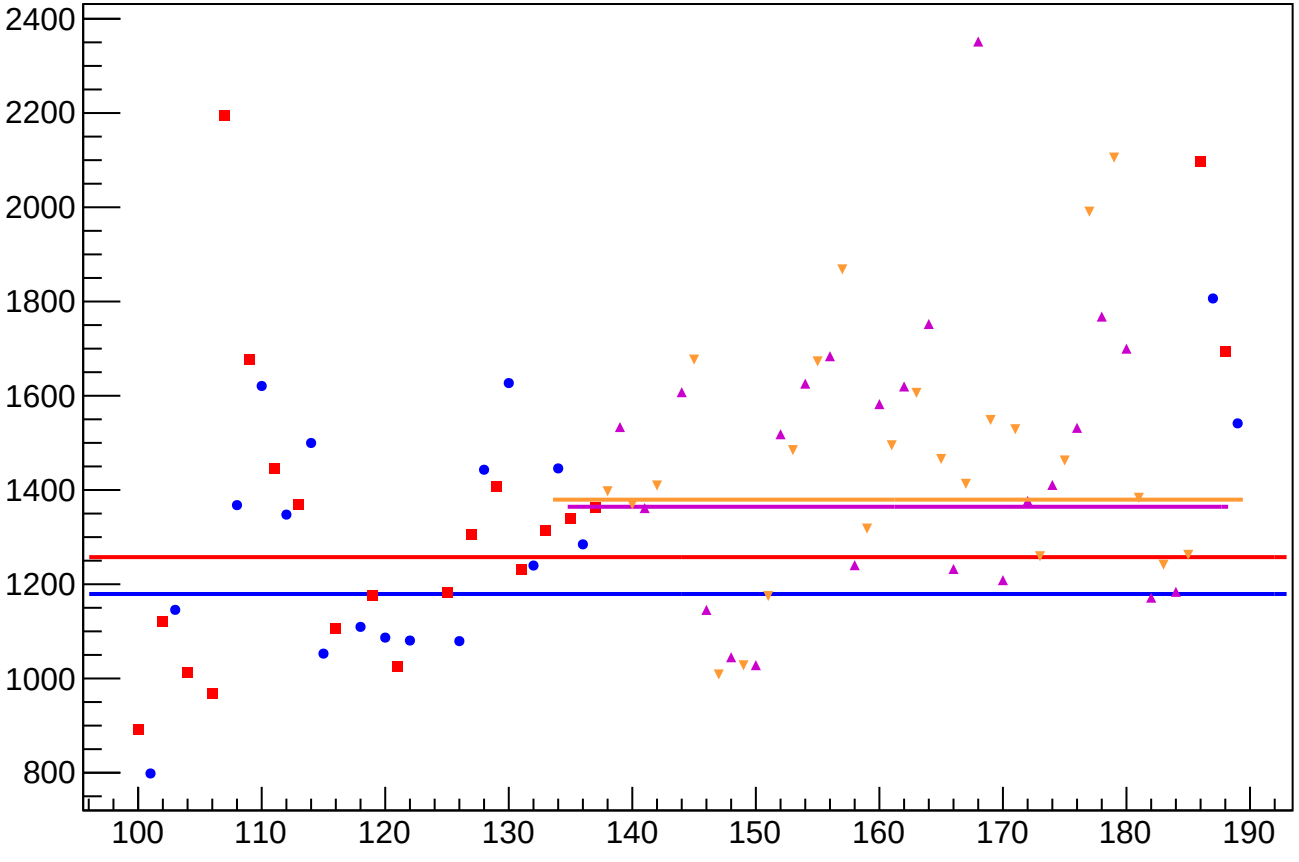
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

+ sign -162.954+/-260.494 χ^2/NDF: 45.8/41

All: -1.845+/-184.373 χ^2/NDF: 83.3/84

- sign 159.881+/-260.993 χ^2/NDF: 36.8/42

asym_us_avg_cor_correction_rms vs Slug



Right In: 1179.307+/-0.304 χ^2/NDF: 676590.7/17

Left Out: 1379.536+/-0.232 χ^2/NDF:1158468.5/23

Right Out: 1257.531+/-0.308 χ^2/NDF: 677141.8/19

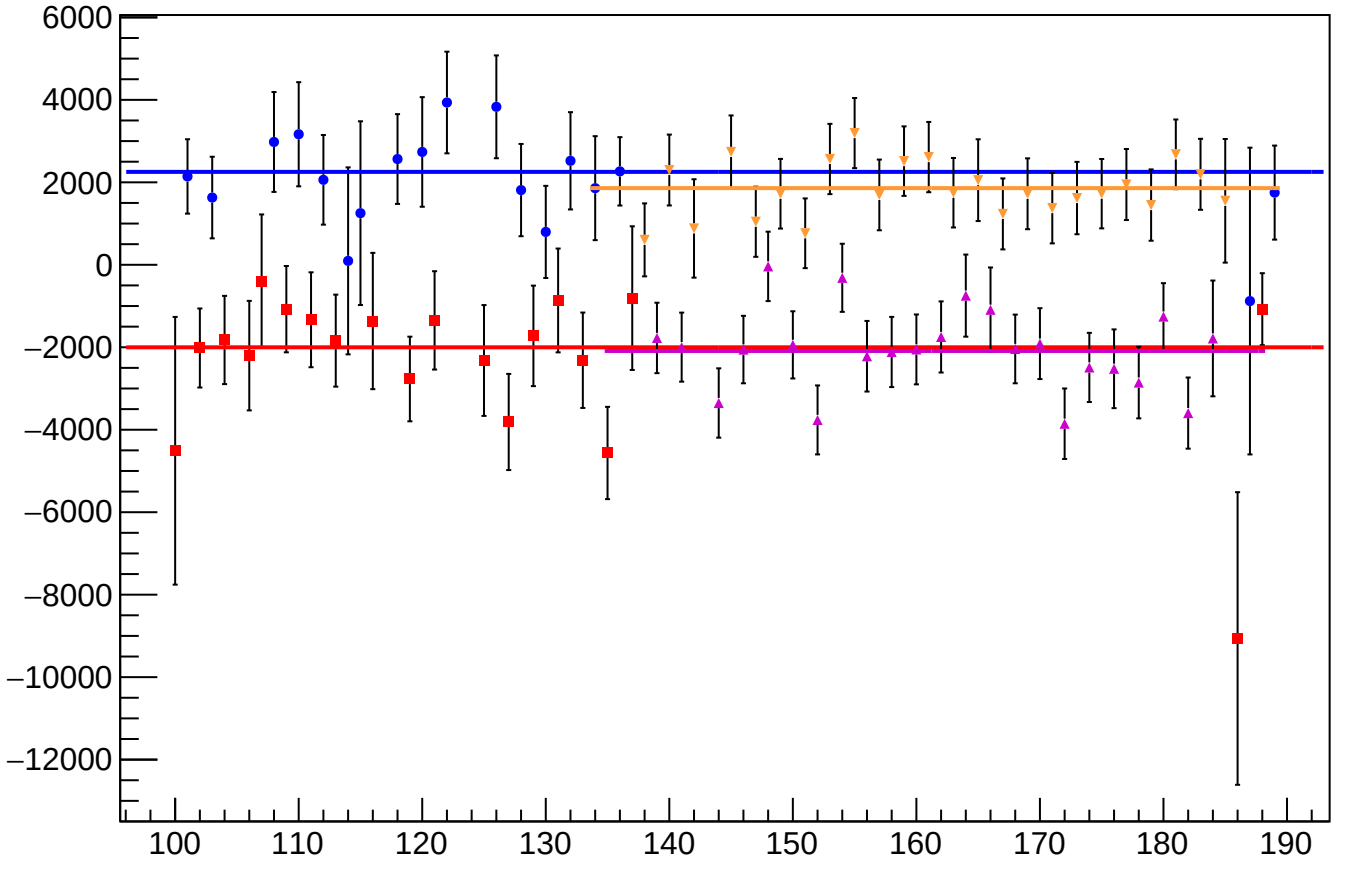
Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

+ sign 1305.850+/-0.184 χ^2/NDF: 2109884.2/41

All: 1315.964+/-0.130 χ^2/NDF: 4182484.3/84

- sign 1326.116+/-0.185 χ^2/NDF: 2066558.9/42

overload_cor_asym_us_avg_mean vs Slug



Right In: 2253.415+/-279.988 χ^2/NDF: 9.0/17

Left Out: 1859.528+/-180.231 χ^2/NDF:13.5/23

Right Out: -2001.009+/-273.599 χ^2/NDF: 18.0/19

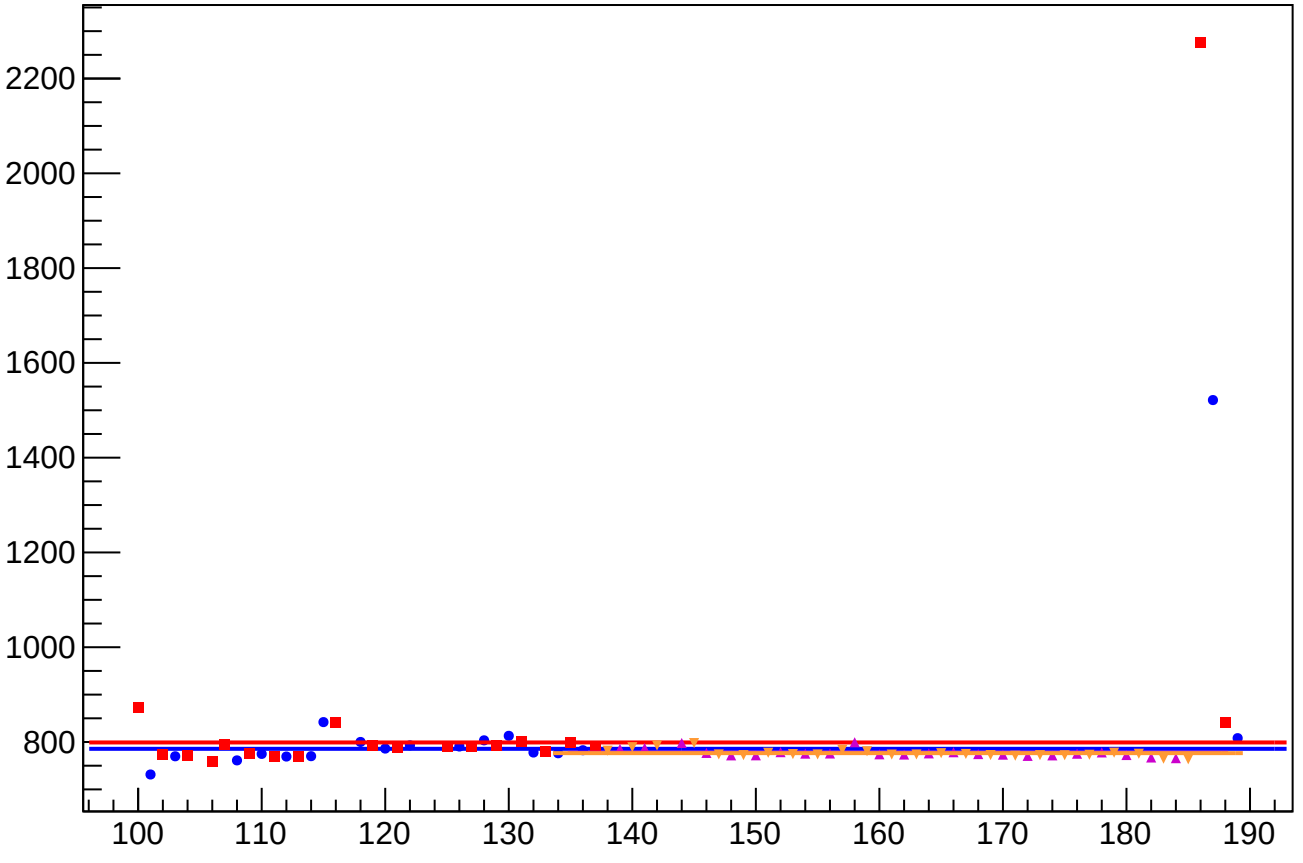
Left In: -2089.493+/-181.523 χ^2/NDF:29.6/22

+ sign 1974.924+/-151.547 χ^2/NDF: 23.9/41

All: -47.604+/-107.058 χ^2/NDF: 427.2/84

- sign -2062.448+/-151.259 χ^2/NDF: 47.7/42

overload_cor_asym_us_avg_rms vs Slug



Right In: 785.619+/-0.198 χ^2/NDF: 91960.6/17

Left Out: 776.523+/-0.127 χ^2/NDF:3137.1/23

Right Out: 799.056+/-0.193 χ^2/NDF: 363311.5/19

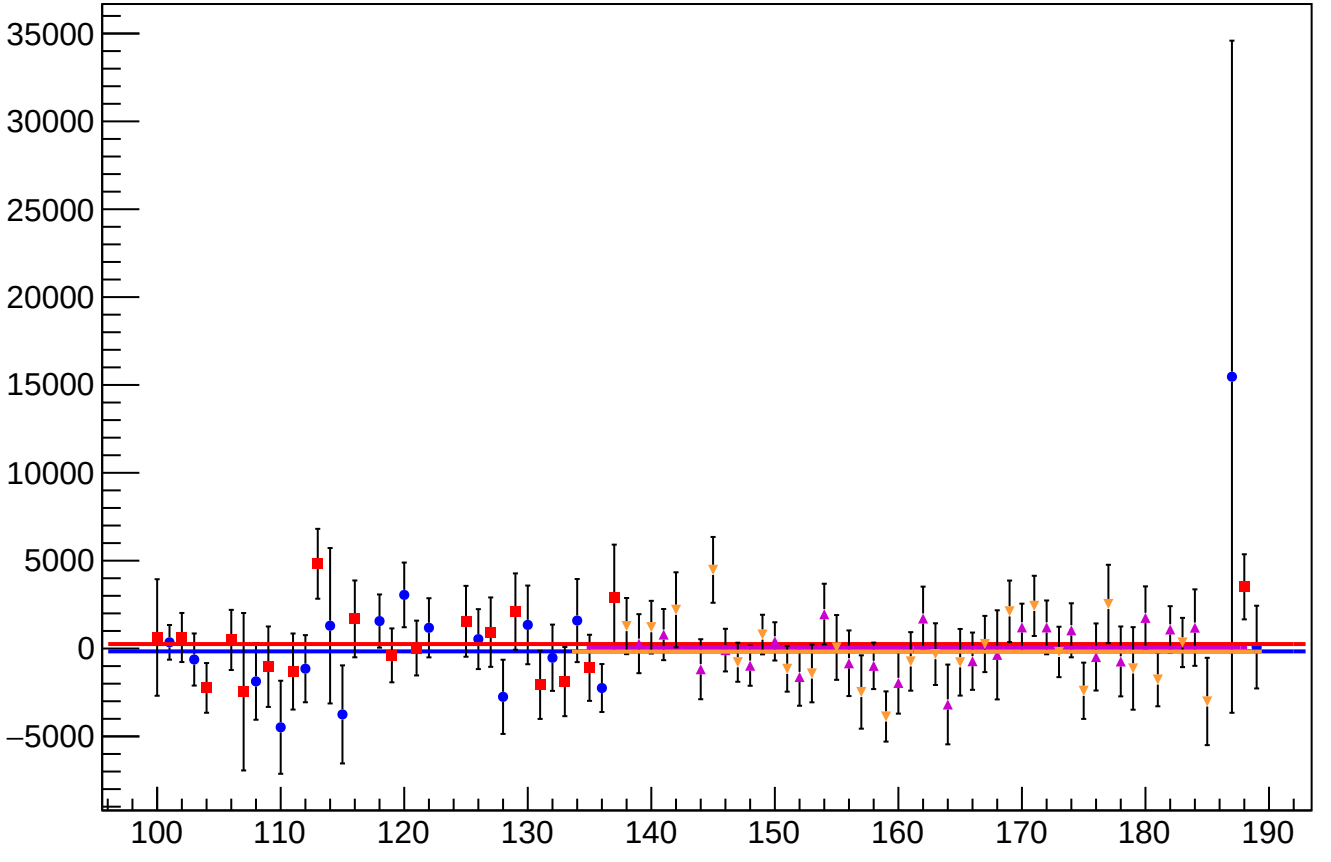
Left In: 777.413+/-0.128 χ^2/NDF:4062.1/22

+ sign 779.188+/-0.107 χ^2/NDF: 96590.1/41

All: 781.612+/-0.076 χ^2/NDF: 473675.8/84

- sign 784.028+/-0.107 χ^2/NDF: 376063.7/42

asym_us_avg_overload_cor_correction_mean vs Slug



Right In: -161.560+/-433.555 χ^2/NDF: 16.4/17

Left Out: -174.932+/-327.991 χ^2/NDF:29.6/23

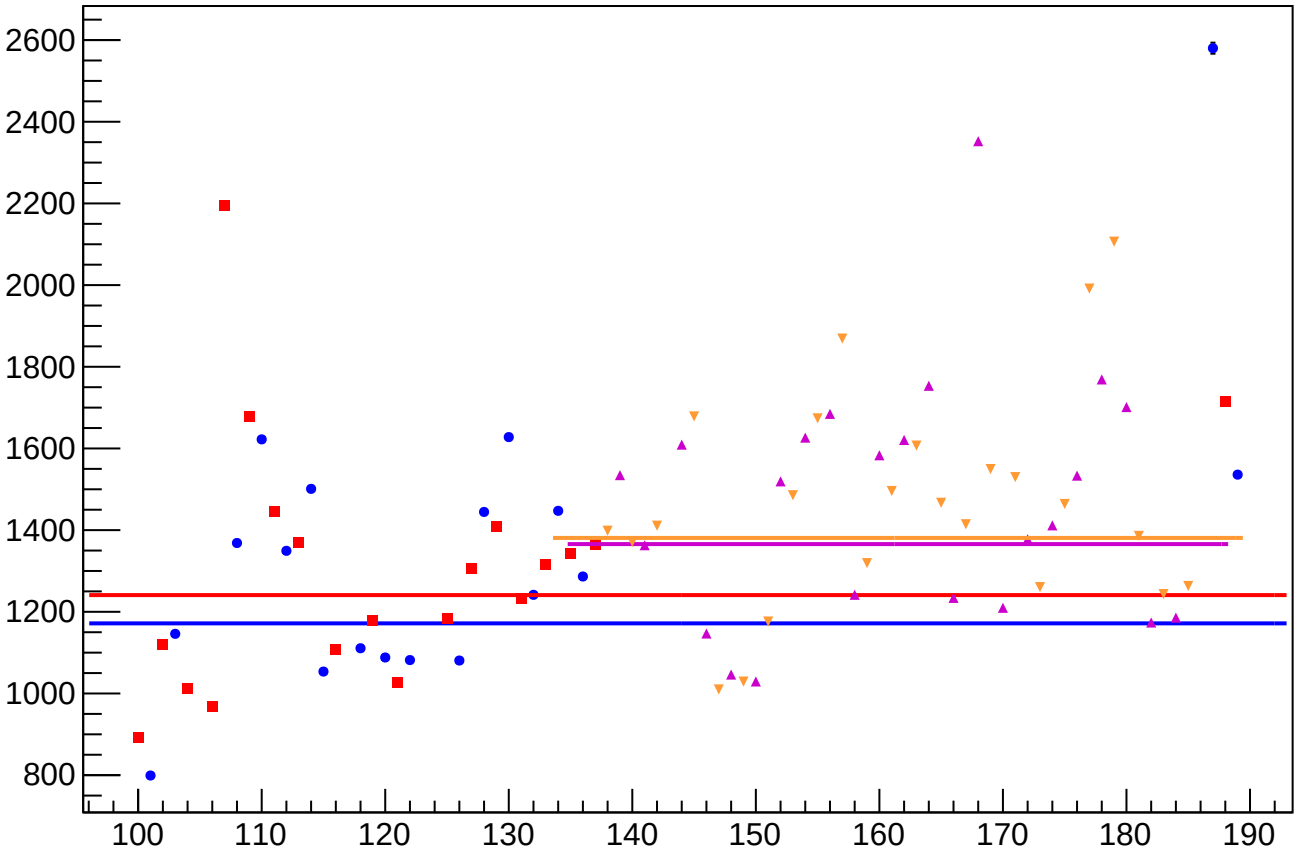
Right Out: 254.747+/-442.063 χ^2/NDF: 18.5/18

Left In: 52.820+/-326.124 χ^2/NDF:13.0/22

+ sign -170.065+/-261.572 χ^2/NDF: 46.0/41

All: -23.524+/-185.264 χ^2/NDF: 78.3/83

- sign 123.987+/-262.437 χ^2/NDF: 31.6/41



Right In: 1171.677+/-0.307 χ^2/NDF: 629750.3/17

Left Out: 1380.952+/-0.232 χ^2/NDF:1155437.6/23

Right Out: 1240.934+/-0.313 χ^2/NDF: 536428.0/18

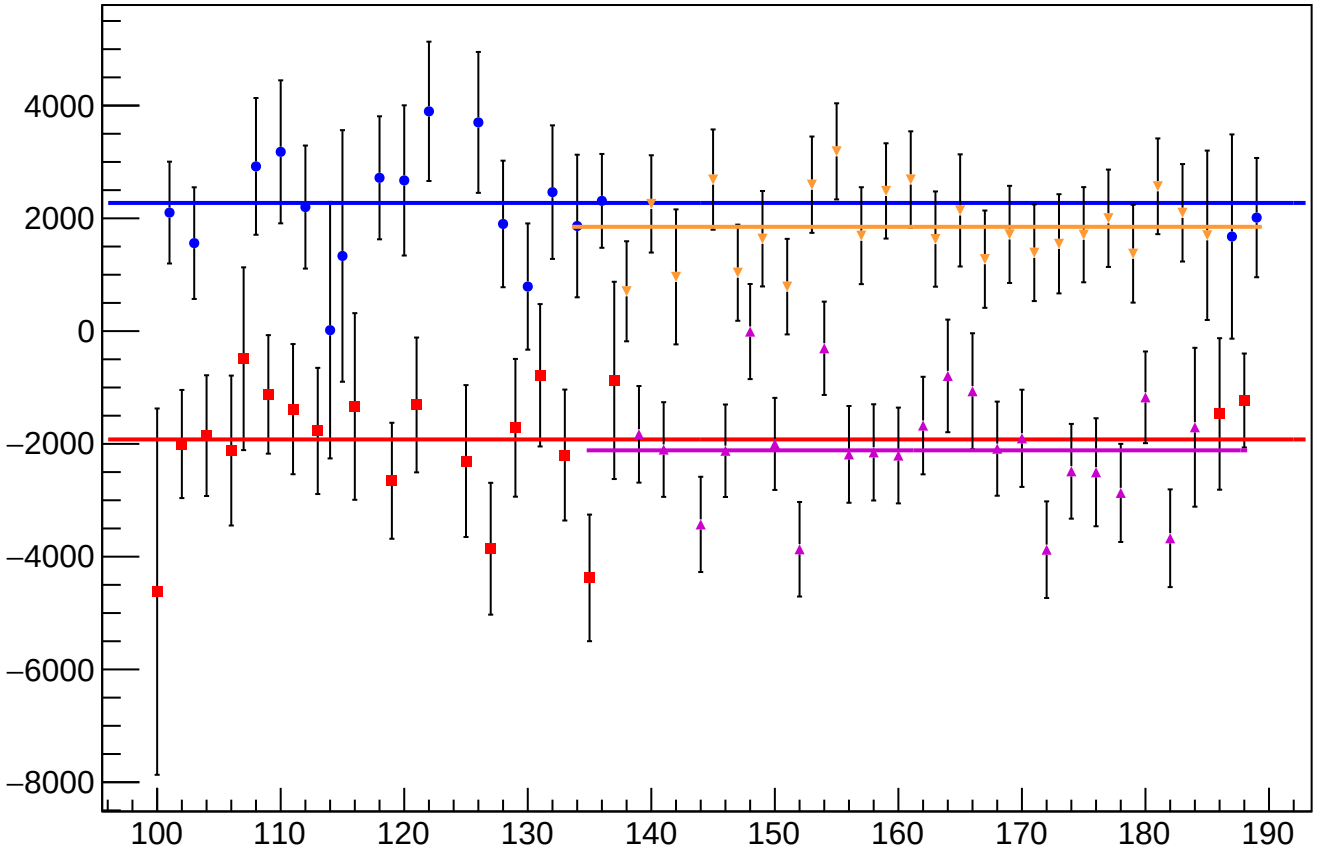
Left In: 1365.811+/-0.231 χ^2/NDF:1308862.5/22

+ sign 1304.777+/-0.185 χ^2/NDF: 2081559.4/41

All: 1313.260+/-0.131 χ^2/NDF: 4034421.7/83

- sign 1321.800+/-0.186 χ^2/NDF: 1948641.2/41

eigen_cor_asym_us_avg_mean vs Slug



Right In: 2273.209+/-276.774 χ^2/NDF: 8.0/17

Left Out: 1849.592+/-180.739 χ^2/NDF:12.8/23

Right Out: -1921.048+/-268.201 χ^2/NDF: 12.9/19

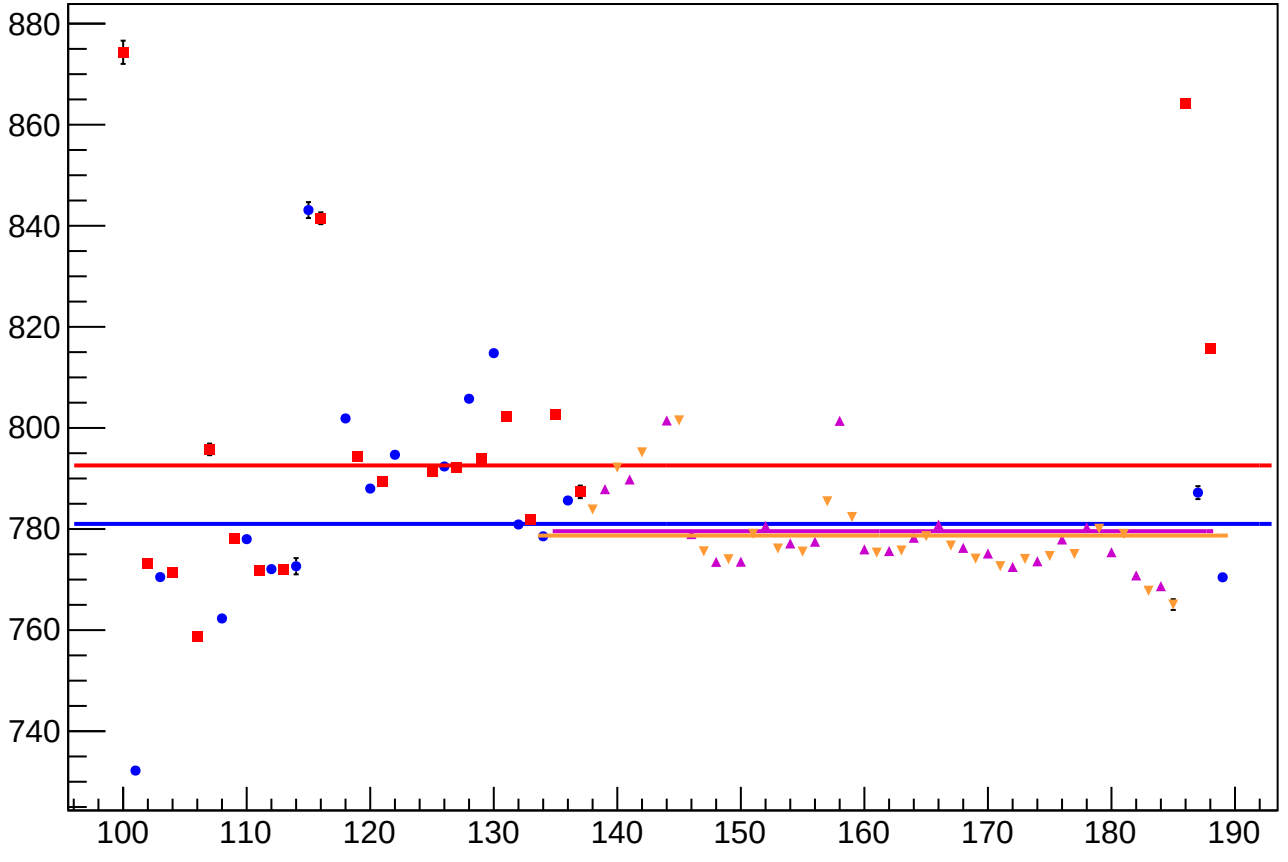
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 1976.233+/-151.330 χ^2/NDF: 22.5/41

All: -48.163+/-106.753 χ^2/NDF: 423.0/84

- sign -2053.452+/-150.615 χ^2/NDF: 44.3/42

eigen_cor_asym_us_avg_rms vs Slug



Right In: 781.016+/-0.196 χ^2/NDF: 12551.6/17

Left Out: 778.708+/-0.128 χ^2/NDF:3389.8/23

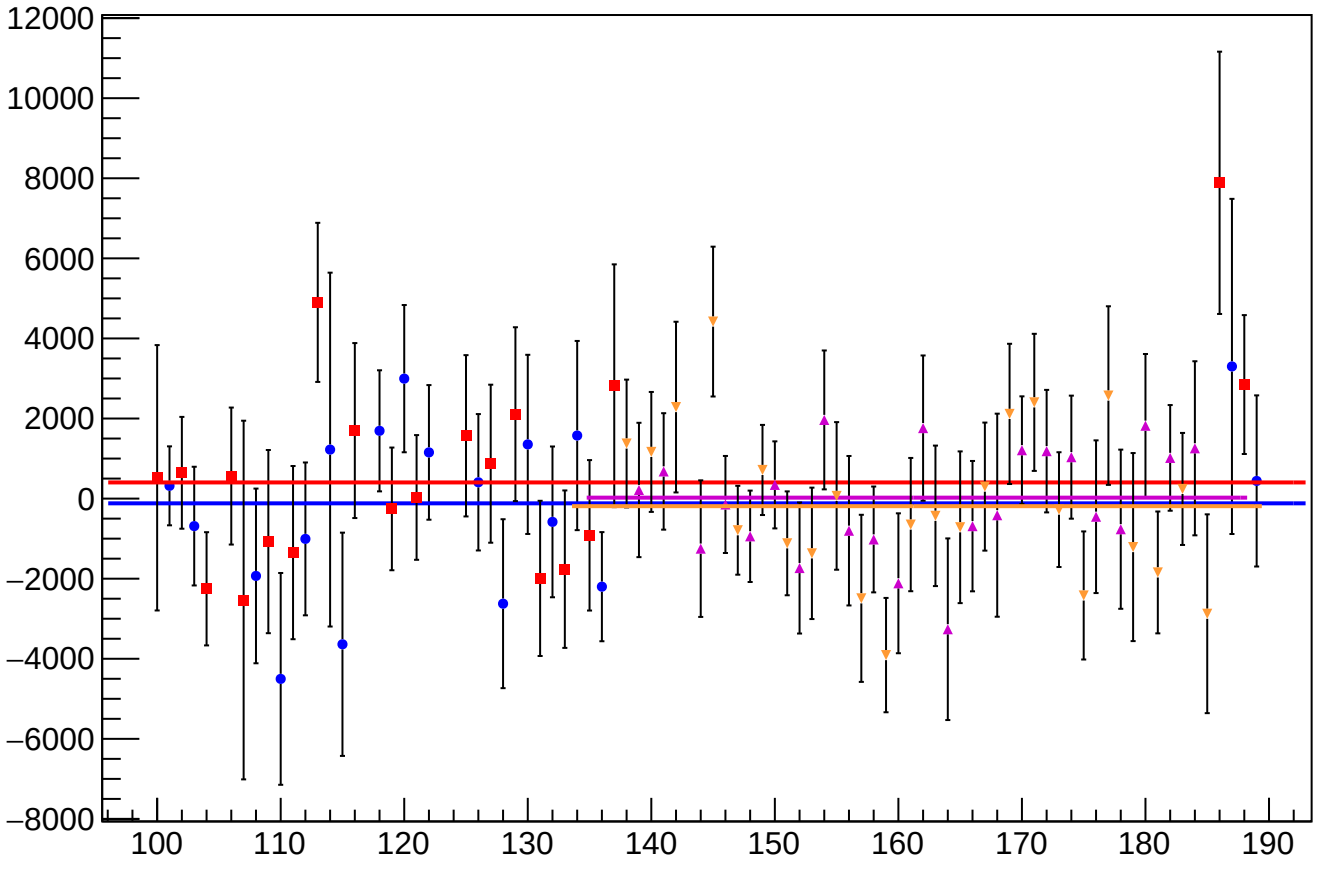
Right Out: 792.582+/-0.190 χ^2/NDF: 15339.7/19

Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

+ sign 779.398+/-0.107 χ^2/NDF: 16038.9/41

All: 781.548+/-0.075 χ^2/NDF: 39575.0/84

- sign 783.677+/-0.107 χ^2/NDF: 22733.1/42



Right In: -118.213+/-429.407 χ^2/NDF: 16.1/17

Left Out: -189.006+/-327.675 χ^2/NDF:29.6/23

Right Out: 403.685+/-436.020 χ^2/NDF: 22.9/19

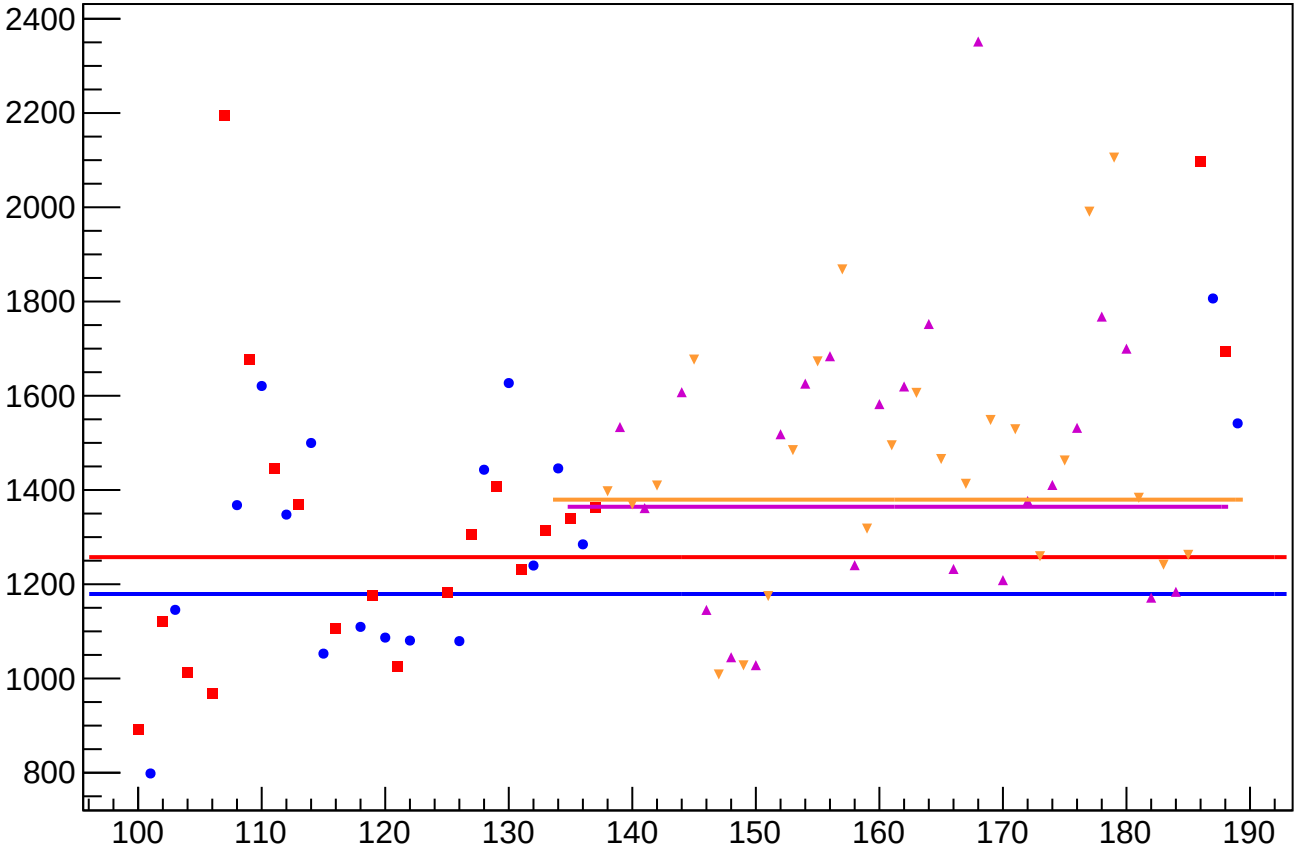
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

+ sign -162.954+/-260.494 χ^2/NDF: 45.8/41

All: -1.845+/-184.373 χ^2/NDF: 83.3/84

- sign 159.881+/-260.993 χ^2/NDF: 36.8/42

asym_us_avg_eigen_cor_correction_rms vs Slug



Right In: 1179.307+/-0.304 χ^2/NDF: 676590.7/17

Left Out: 1379.536+/-0.232 χ^2/NDF:1158468.5/23

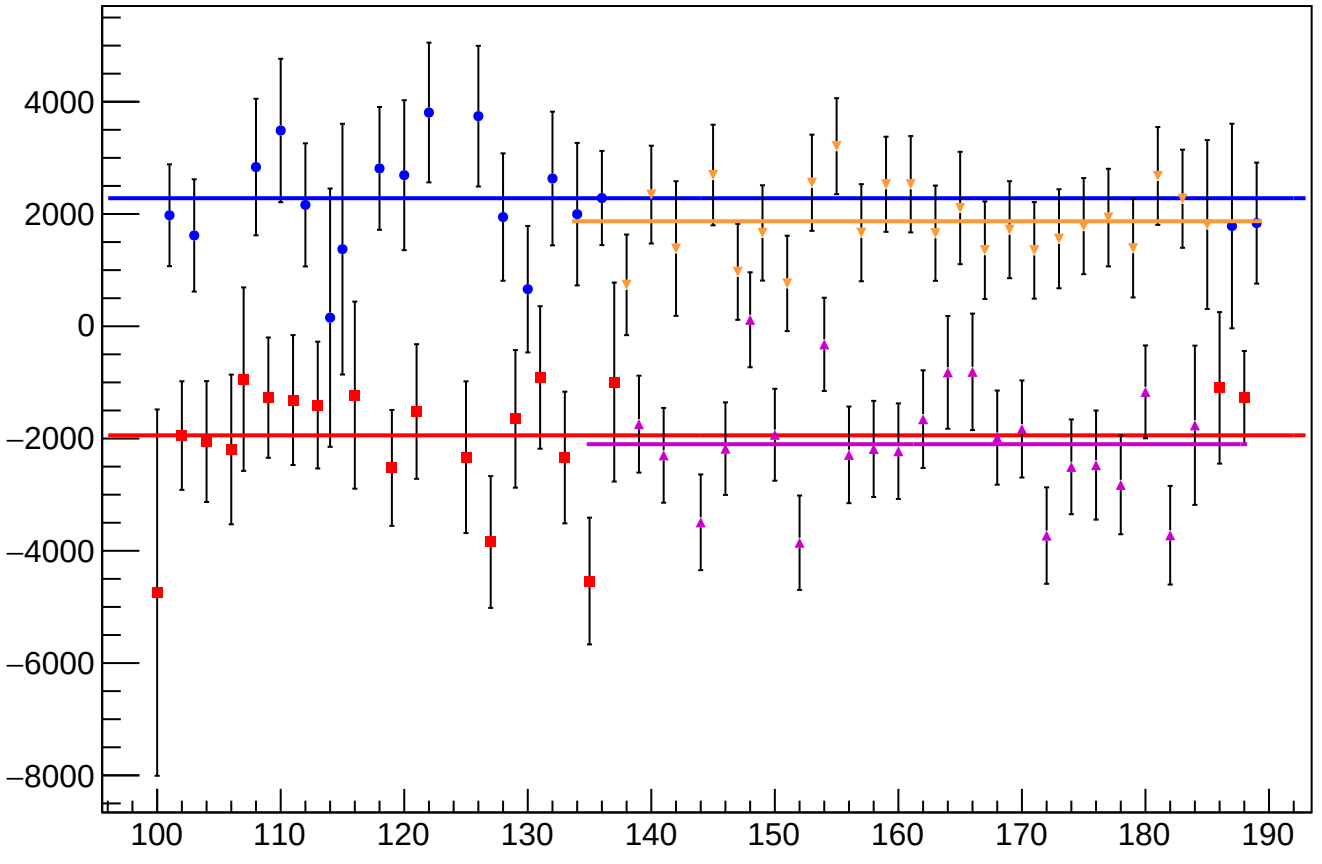
Right Out: 1257.531+/-0.308 χ^2/NDF: 677141.8/19

Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

+ sign 1305.850+/-0.184 χ^2/NDF: 2109884.2/41

All: 1315.964+/-0.130 χ^2/NDF: 4182484.3/84

- sign 1326.116+/-0.185 χ^2/NDF: 2066558.9/42



Right In: 2281.165+/-278.687 χ^2/NDF: 8.4/17

Left Out: 1871.457+/-181.976 χ^2/NDF:12.5/23

Right Out: -1943.055+/-269.915 χ^2/NDF: 12.8/19

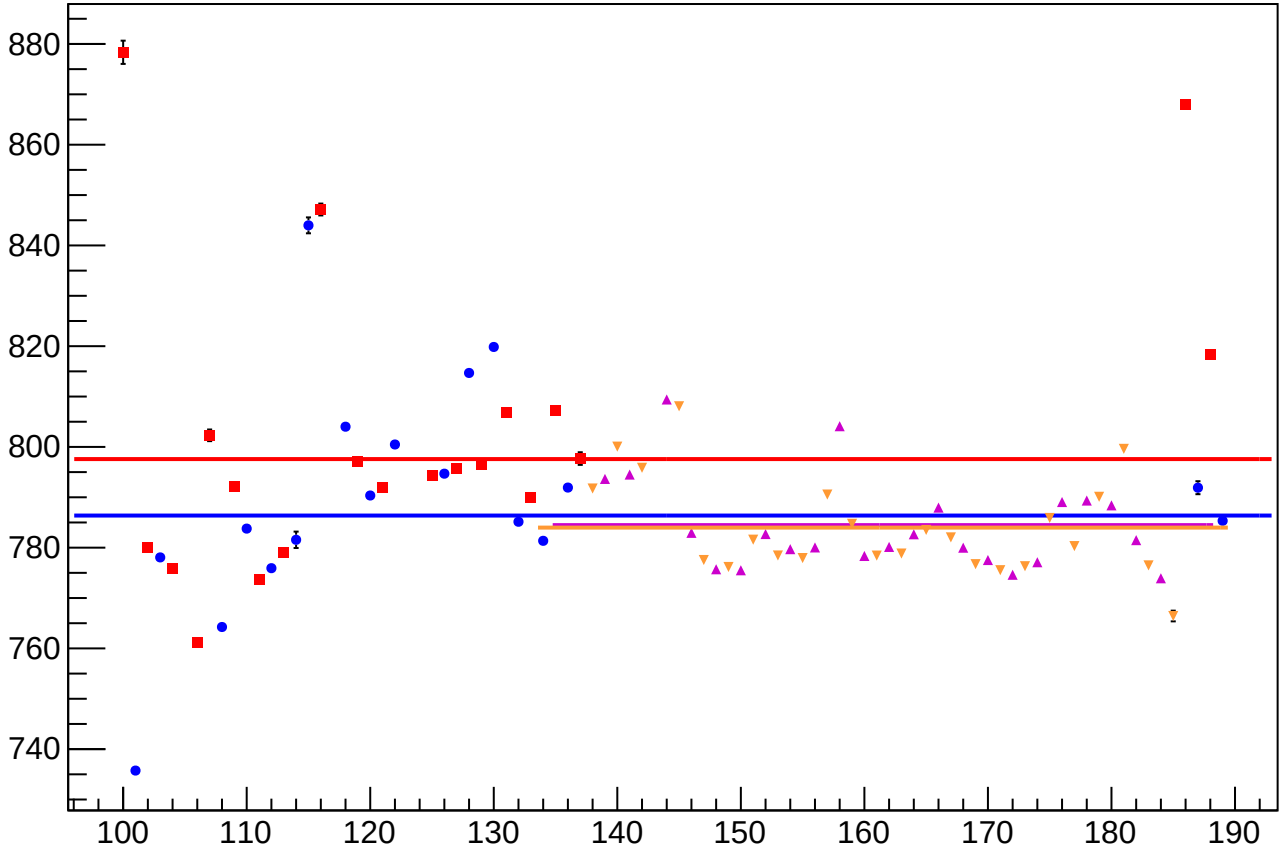
Left In: -2101.047+/-183.179 χ^2/NDF:31.8/22

+ sign 1993.929+/-152.369 χ^2/NDF: 22.4/41

All: -39.280+/-107.458 χ^2/NDF: 421.5/84

- sign -2051.226+/-151.571 χ^2/NDF: 44.8/42

dit_asym_us_avg_rms vs Slug



Right In: 786.375+/-0.197 χ^2/NDF: 12591.5/17

Left Out: 783.982+/-0.129 χ^2/NDF:4928.0/23

Right Out: 797.586+/-0.191 χ^2/NDF: 14506.9/19

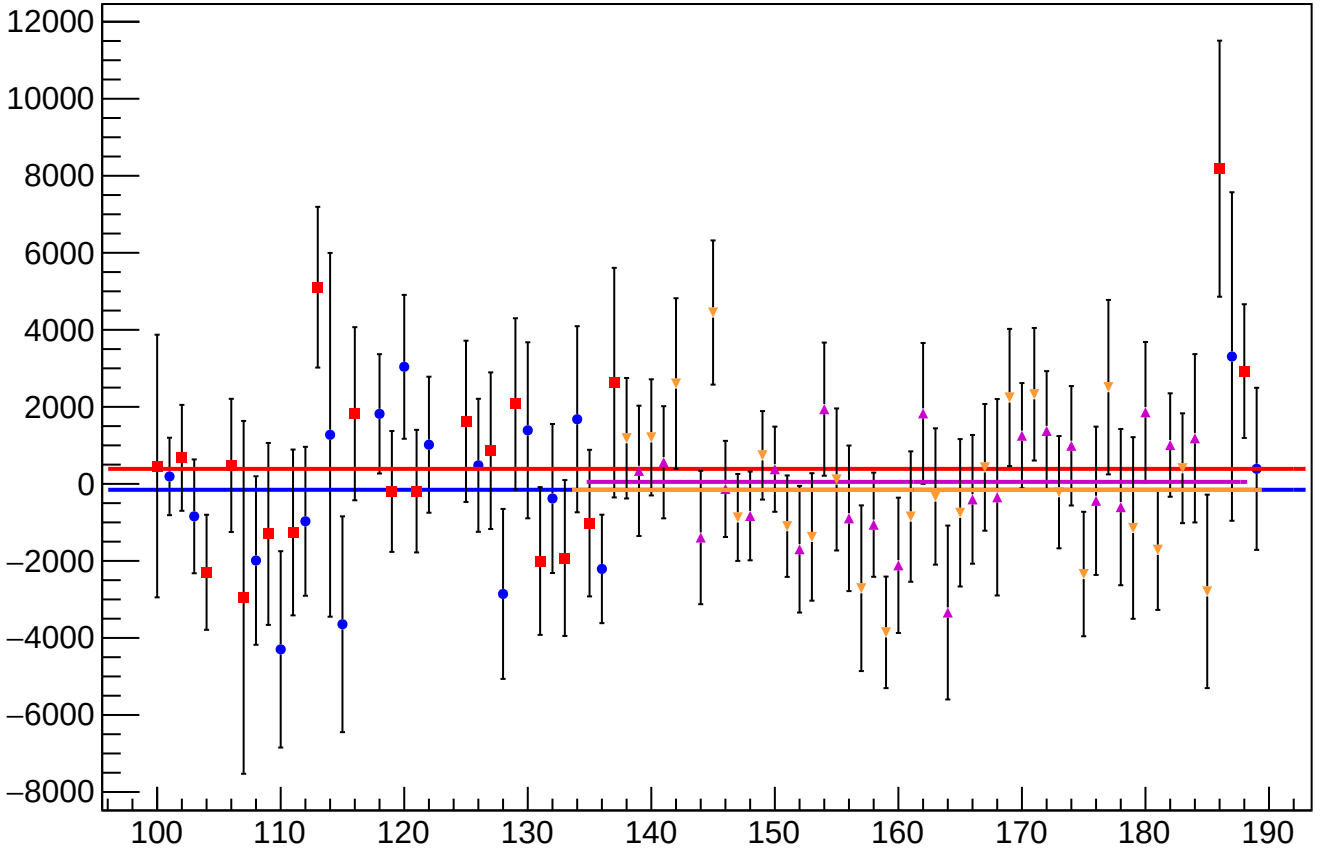
Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

+ sign 784.697+/-0.108 χ^2/NDF: 17622.9/41

All: 786.663+/-0.076 χ^2/NDF: 40952.1/84

- sign 788.608+/-0.107 χ^2/NDF: 22666.9/42

asym_us_avg_dit_correction_mean vs Slug



Right In: -152.932+/-437.301 χ^2/NDF: 16.0/17

Left Out: -159.275+/-332.190 χ^2/NDF:29.1/23

Right Out: 389.958+/-444.226 χ^2/NDF: 23.3/19

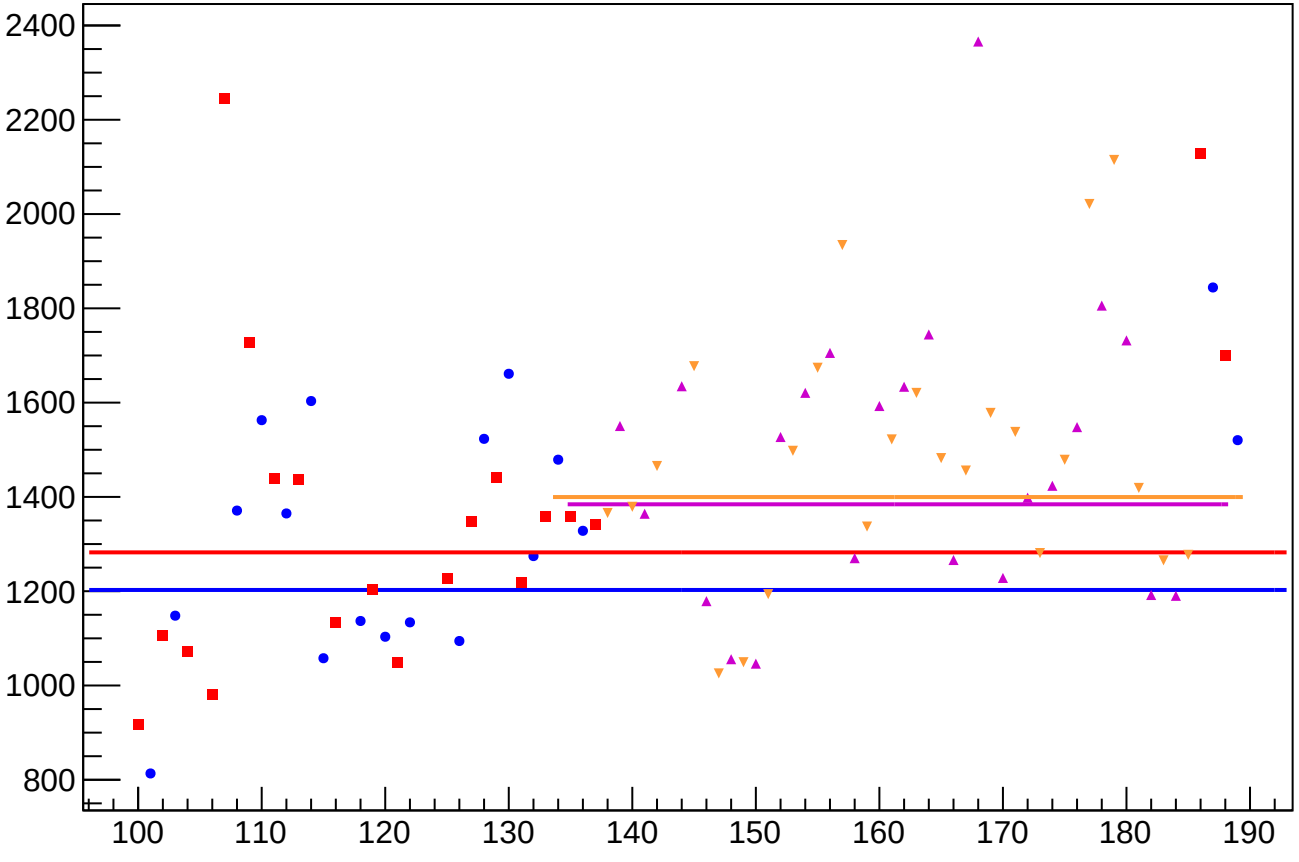
Left In: 51.975+/-330.206 χ^2/NDF:13.4/22

+ sign -156.954+/-264.524 χ^2/NDF: 45.1/41

All: 7.351+/-187.219 χ^2/NDF: 83.0/84

- sign 172.261+/-265.011 χ^2/NDF: 37.1/42

asym_us_avg_dit_correction_rms vs Slug



Right In: 1202.627+/-0.309 χ^2/NDF: 666603.9/17

Left Out: 1399.717+/-0.235 χ^2/NDF:1136350.2/23

Right Out: 1282.364+/-0.314 χ^2/NDF: 661693.0/19

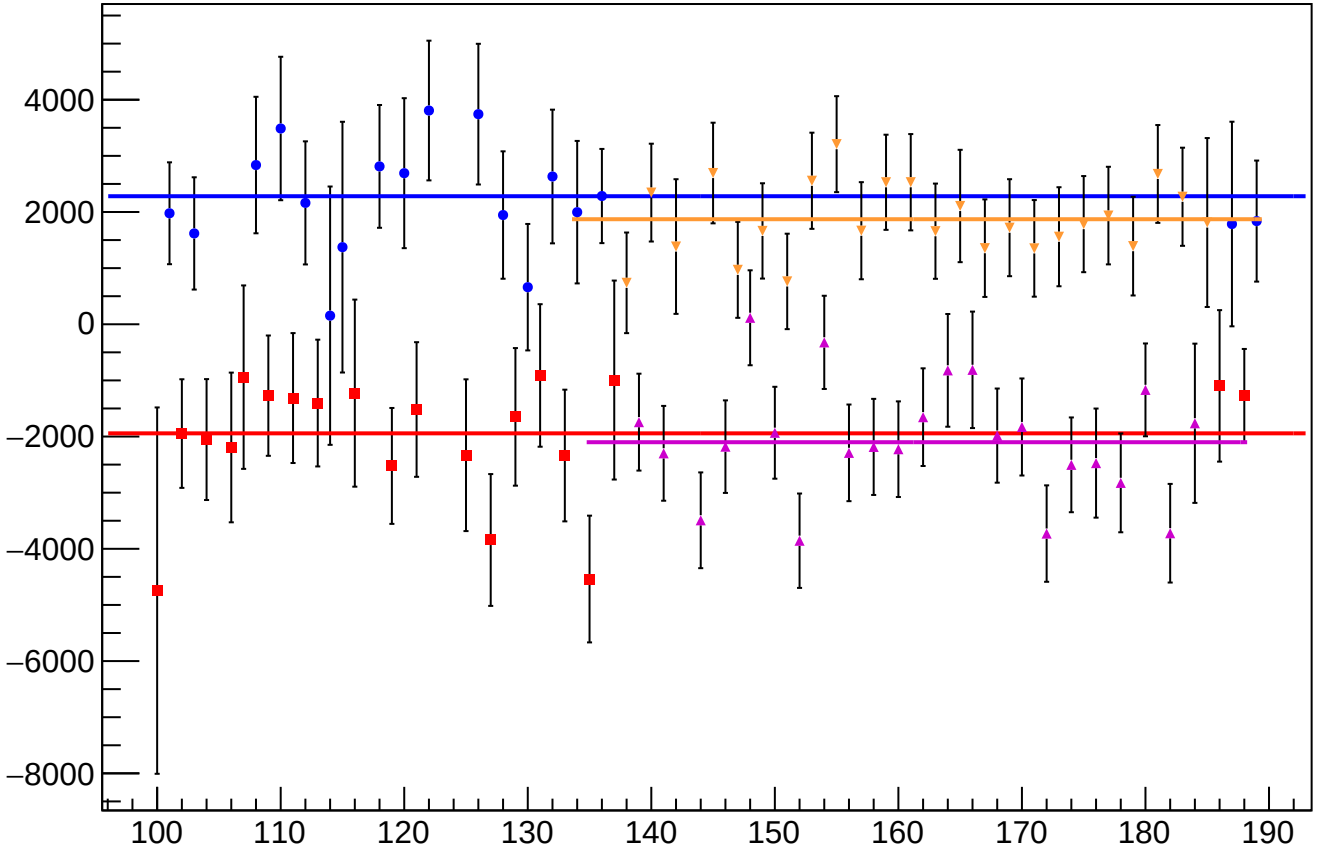
Left In: 1384.333+/-0.233 χ^2/NDF:1269936.6/22

+ sign 1327.601+/-0.187 χ^2/NDF: 2060558.5/41

All: 1337.803+/-0.132 χ^2/NDF: 4066026.4/84

- sign 1348.043+/-0.187 χ^2/NDF: 1999506.7/42

eigen_dit_asym_us_avg_mean vs Slug



Right In: 2281.164+/-278.687 χ^2/NDF: 8.4/17

Left Out: 1871.455+/-181.976 χ^2/NDF:12.5/23

Right Out: -1943.053+/-269.915 χ^2/NDF: 12.8/19

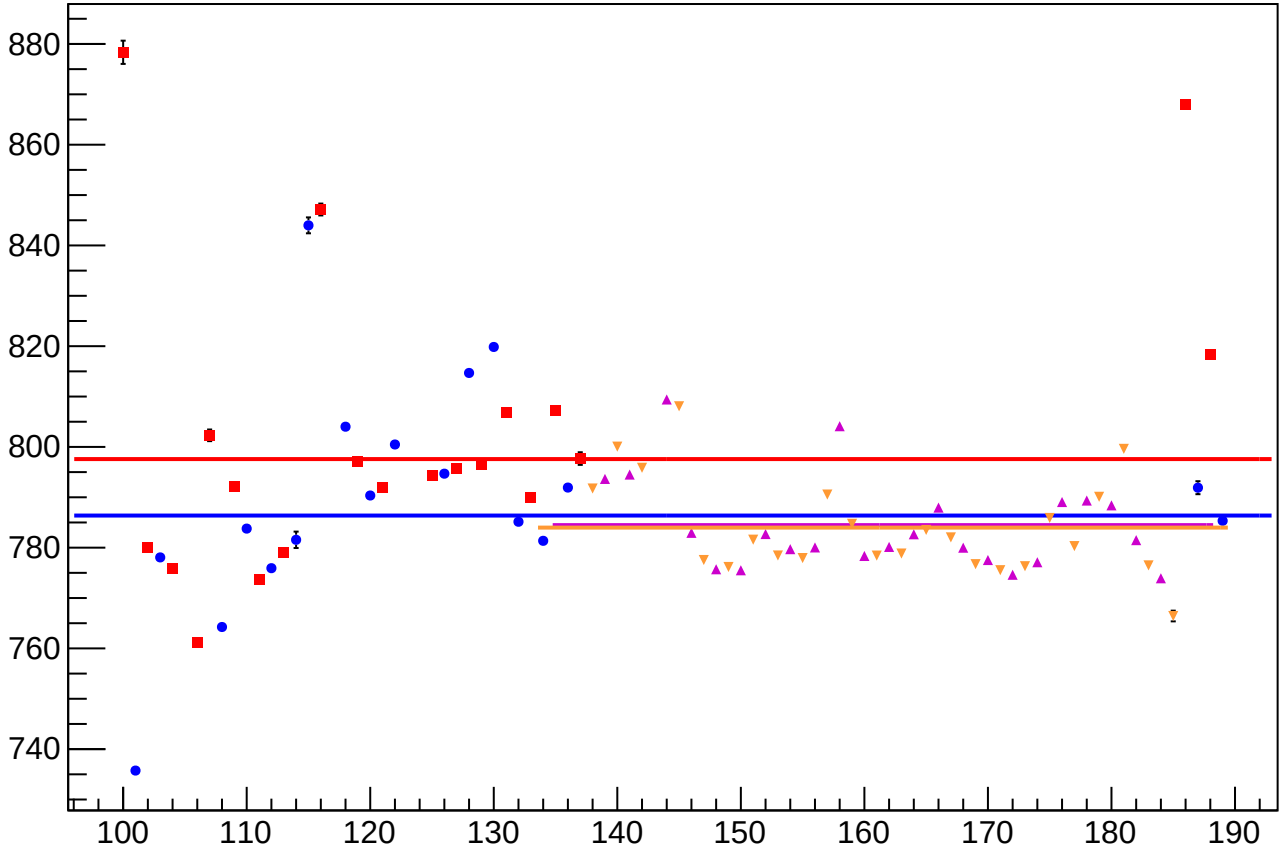
Left In: -2101.047+/-183.179 χ^2/NDF:31.8/22

+ sign 1993.927+/-152.369 χ^2/NDF: 22.4/41

All: -39.280+/-107.458 χ^2/NDF: 421.5/84

- sign -2051.226+/-151.571 χ^2/NDF: 44.8/42

eigen_dit_asym_us_avg_rms vs Slug



Right In: 786.375+/-0.197 χ^2/NDF: 12591.4/17

Left Out: 783.982+/-0.129 χ^2/NDF:4928.0/23

Right Out: 797.586+/-0.191 χ^2/NDF: 14506.9/19

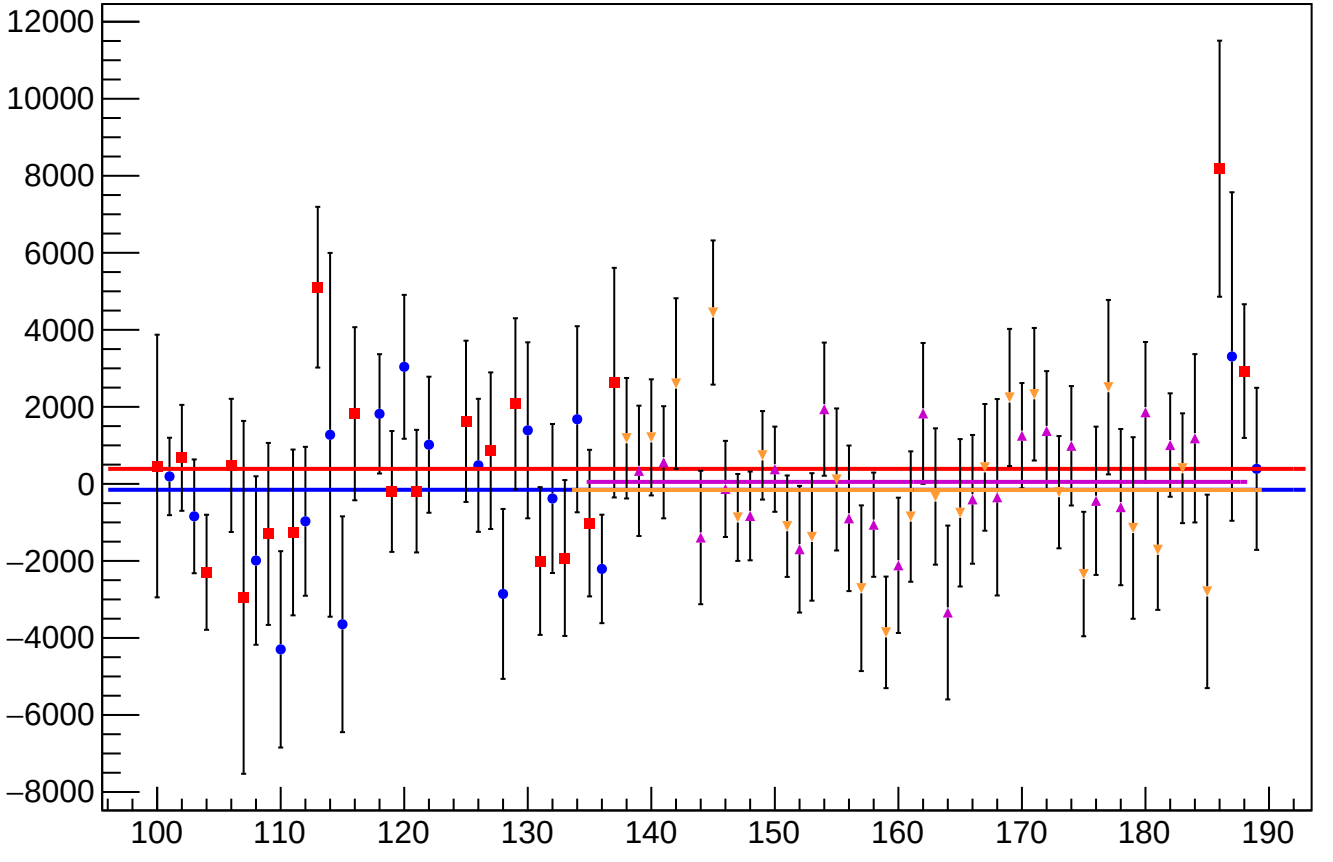
Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

+ sign 784.697+/-0.108 χ^2/NDF: 17622.8/41

All: 786.663+/-0.076 χ^2/NDF: 40952.0/84

- sign 788.608+/-0.107 χ^2/NDF: 22666.9/42

asym_us_avg_eigen_dit_correction_mean vs Slug



Right In: -152.931+/-437.300 χ^2/NDF: 16.0/17

Left Out: -159.278+/-332.191 χ^2/NDF:29.1/23

Right Out: 389.956+/-444.225 χ^2/NDF: 23.3/19

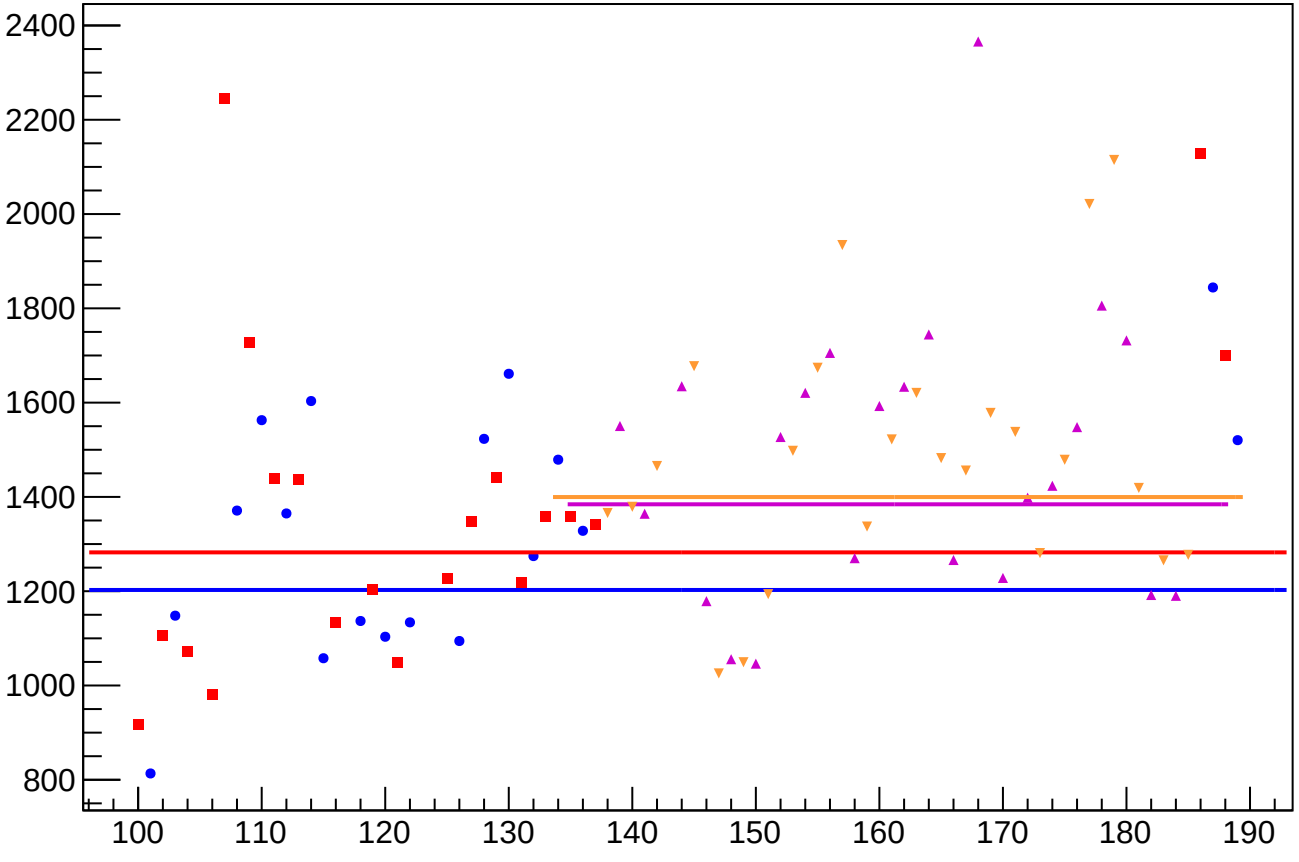
Left In: 51.975+/-330.207 χ^2/NDF:13.4/22

\+ sign -156.956+/-264.524 χ^2/NDF: 45.1/41

All: 7.350+/-187.219 χ^2/NDF: 83.0/84

\- sign 172.261+/-265.011 χ^2/NDF: 37.1/42

asym_us_avg_eigen_dit_correction_rms vs Slug



Right In: 1202.624+/-0.309 χ^2/NDF: 666603.6/17

Left Out: 1399.720+/-0.235 χ^2/NDF:1136351.3/23

Right Out: 1282.360+/-0.314 χ^2/NDF: 661695.7/19

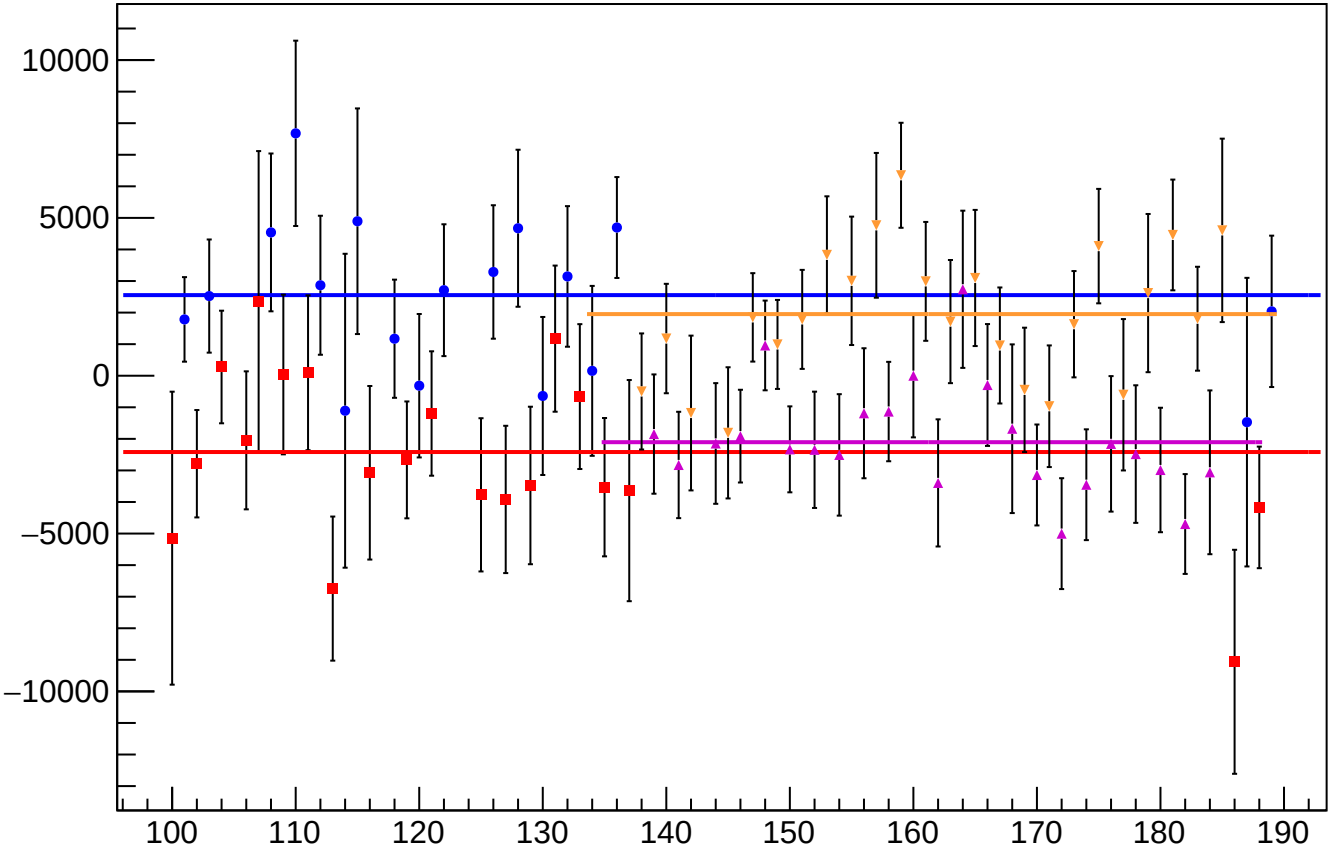
Left In: 1384.336+/-0.233 χ^2/NDF:1269937.1/22

+ sign 1327.601+/-0.187 χ^2/NDF: 2060574.0/41

All: 1337.803+/-0.132 χ^2/NDF: 4066053.1/84

- sign 1348.043+/-0.187 χ^2/NDF: 1999517.8/42

asym_us_avg_mean vs Slug



Right In: 2553.762+/-521.553 χ^2/NDF: 13.1/17

Left Out: 1952.406+/-380.269 χ^2/NDF:27.4/23

Right Out: -2417.163+/-520.908 χ^2/NDF: 18.4/19

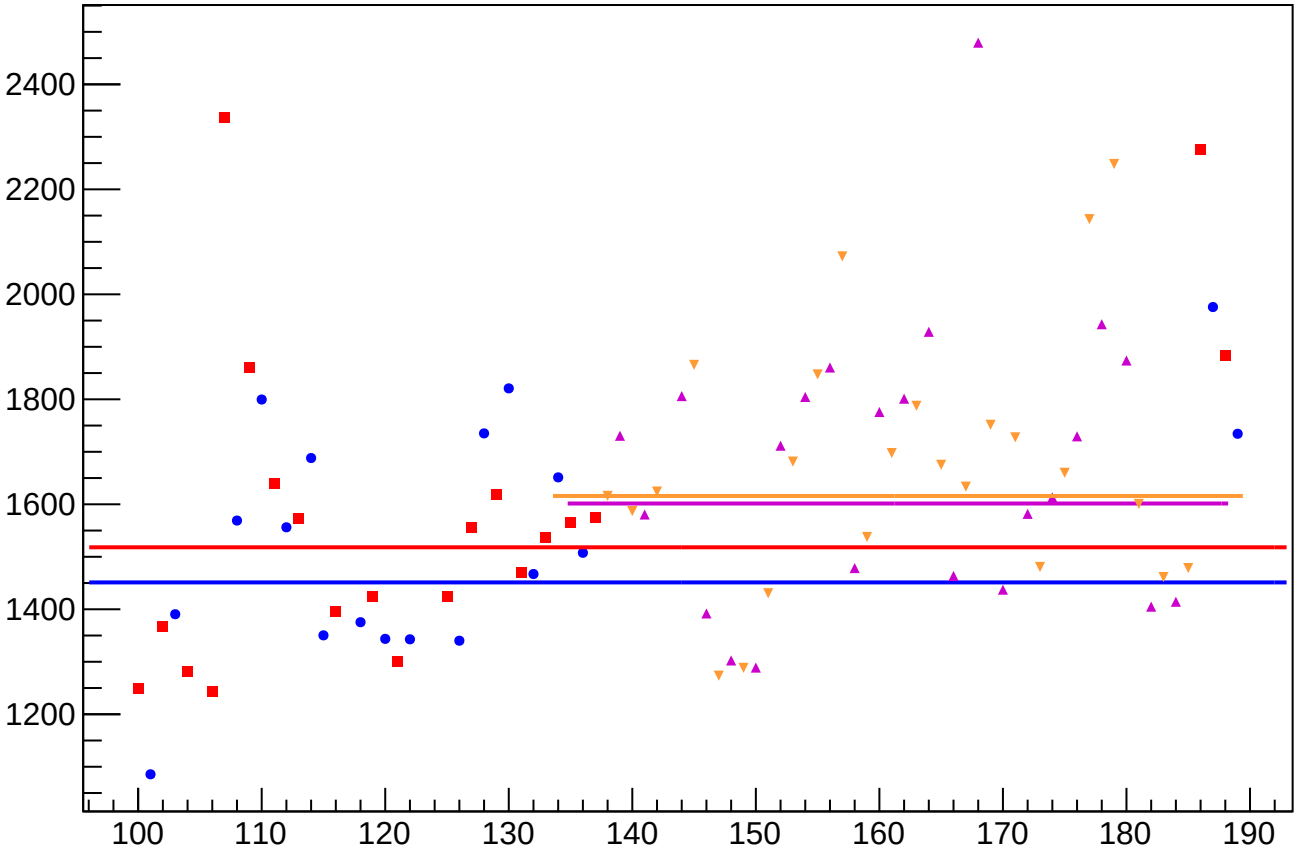
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

+ sign 2161.129+/-307.269 χ^2/NDF: 41.3/41

All: -31.629+/-216.997 χ^2/NDF: 180.1/84

- sign -2213.340+/-306.494 χ^2/NDF: 37.2/42

asym_us_avg_rms vs Slug



Right In: 1451.177+/-0.369 χ^2/NDF: 350817.9/17

Left Out: 1615.853+/-0.269 χ^2/NDF:694353.3/23

Right Out: 1518.077+/-0.368 χ^2/NDF: 395982.0/19

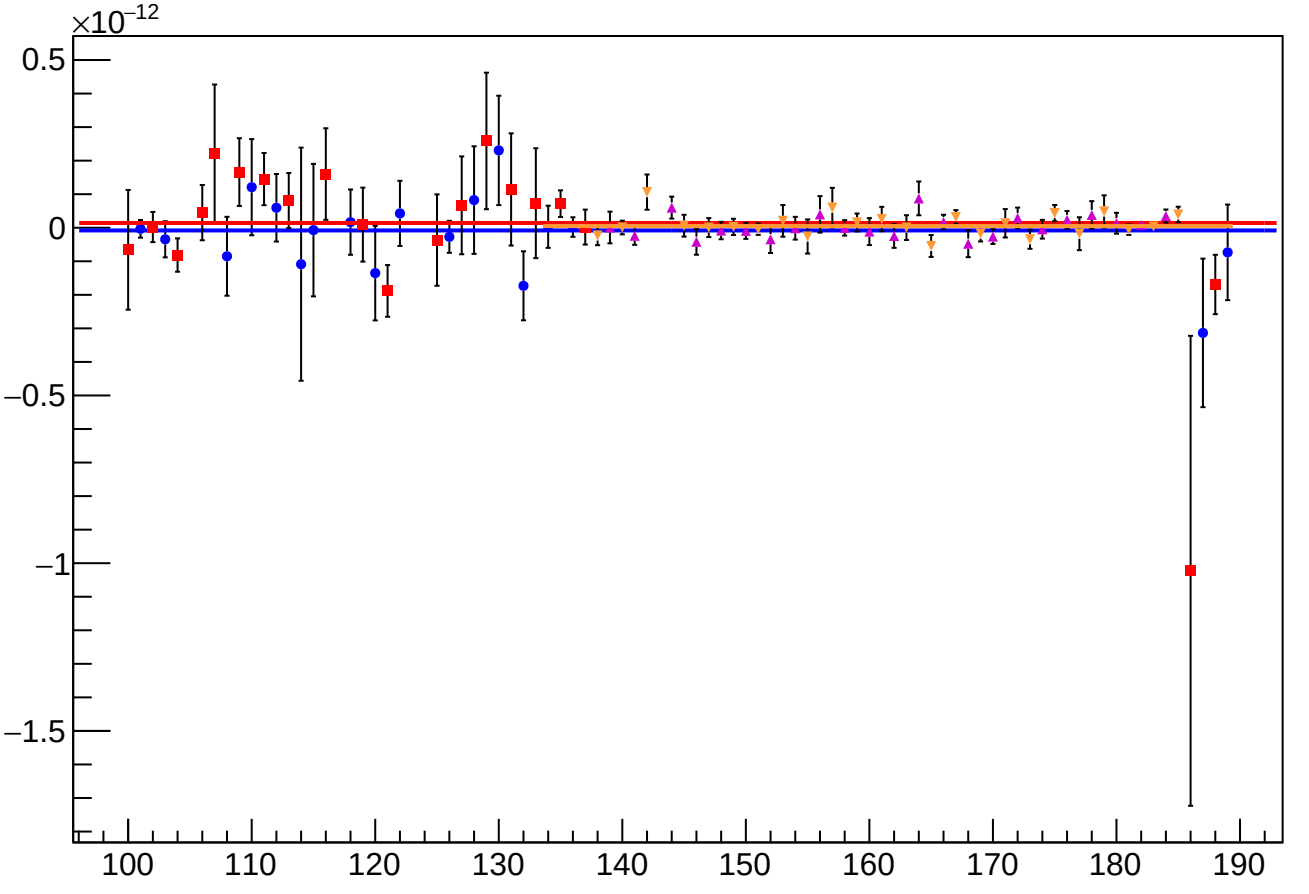
Left In: 1601.496+/-0.268 χ^2/NDF:793722.6/22

+ sign 1558.696+/-0.217 χ^2/NDF: 1175353.5/41

All: 1565.674+/-0.153 χ^2/NDF: 2400650.0/84

- sign 1572.617+/-0.217 χ^2/NDF: 1223238.8/42

asym_us_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 10.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:21.0/23

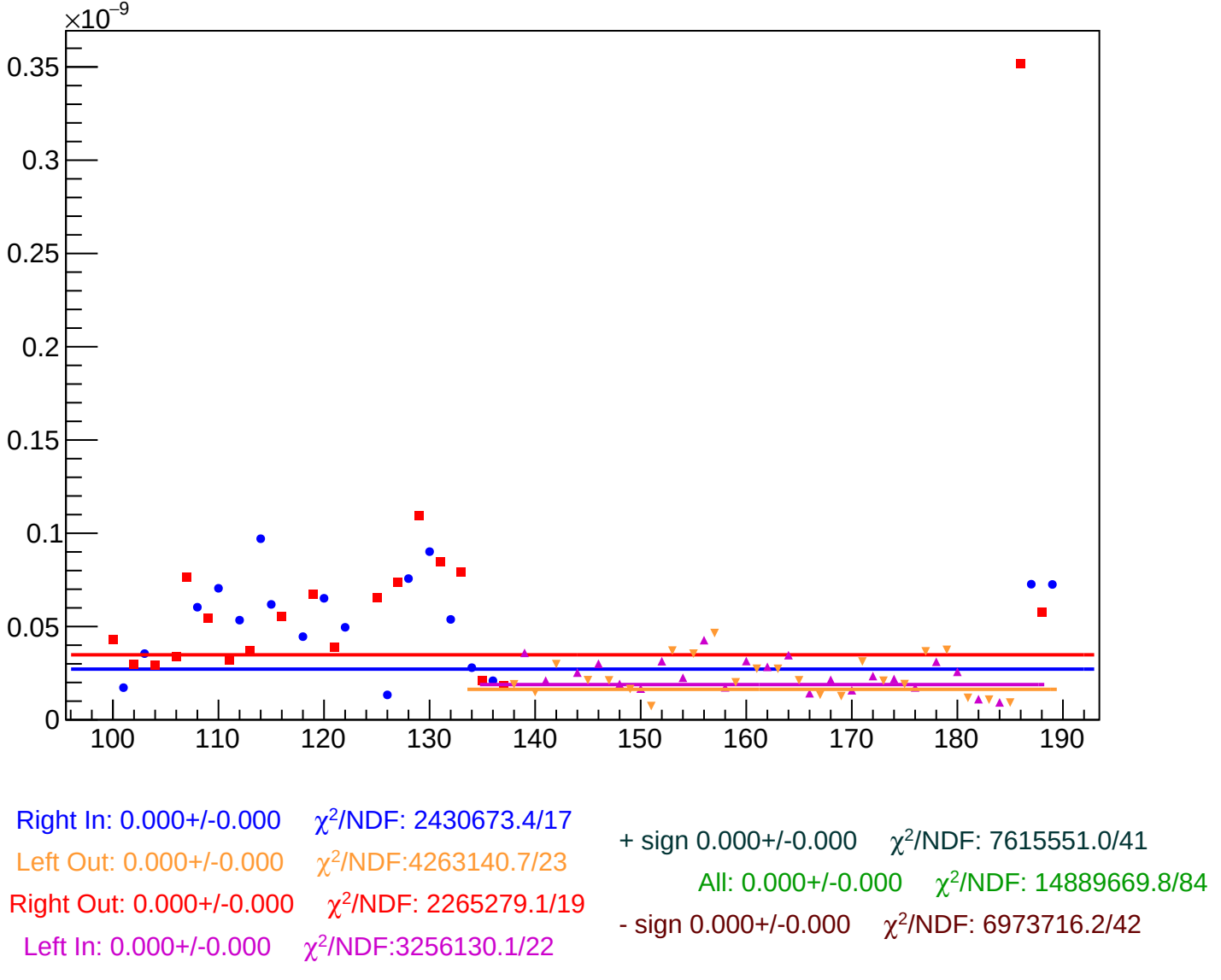
Right Out: 0.000+/-0.000 χ^2/NDF: 29.8/19

Left In: 0.000+/-0.000 χ^2/NDF:19.4/22

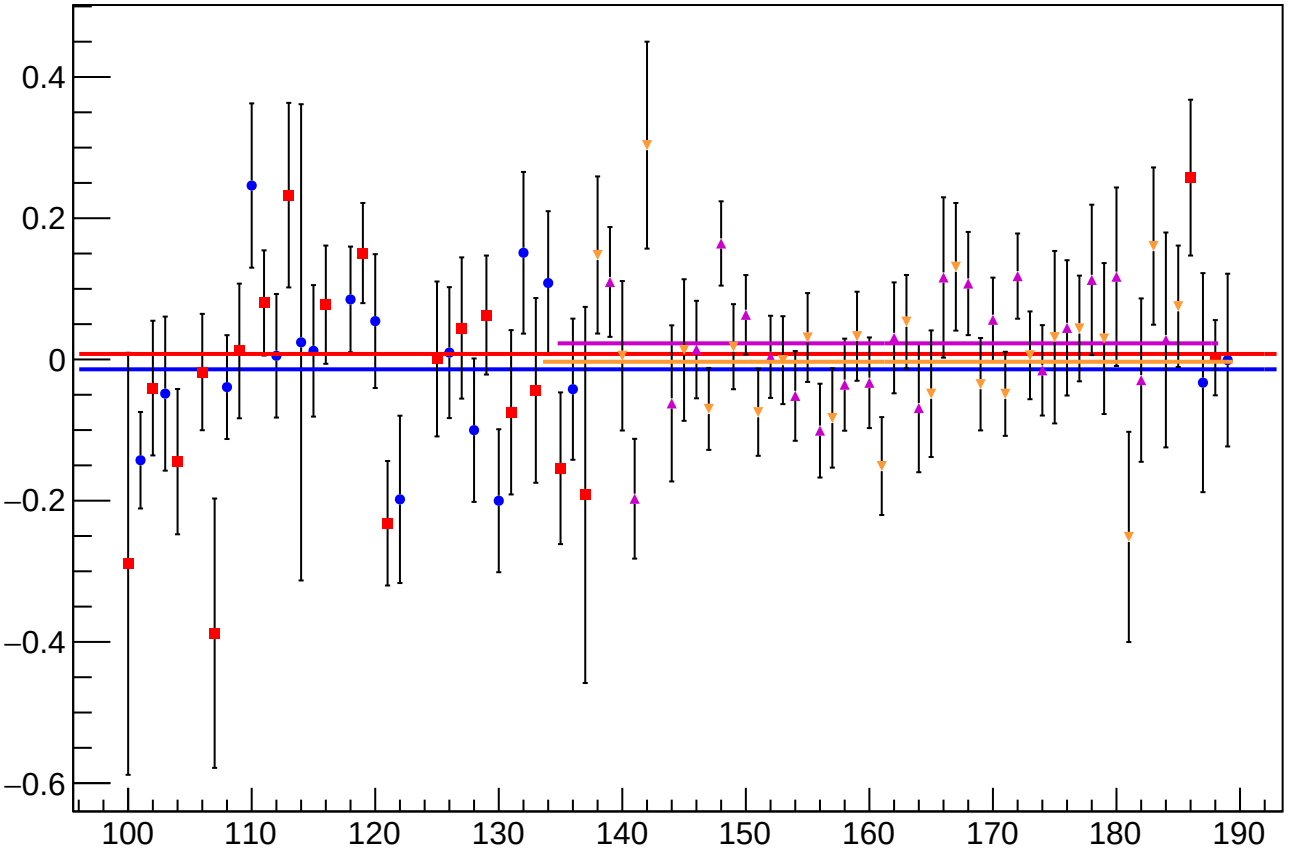
+ sign 0.000+/-0.000 χ^2/NDF: 32.3/41

All: 0.000+/-0.000 χ^2/NDF: 81.8/84

- sign 0.000+/-0.000 χ^2/NDF: 49.4/42


asym_us_avg_reg_vs_cor_diff_rms vs Slug
×10^−9
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2430673.4/17
Left Out: 0.000+/-0.000 χ²/NDF:4263140.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 2265279.1/19
Left In: 0.000+/-0.000 χ²/NDF:3256130.1/22
+ sign 0.000+/-0.000 χ²/NDF: 7615551.0/41
All: 0.000+/-0.000 χ²/NDF: 14889669.8/84
- sign 0.000+/-0.000 χ²/NDF: 6973716.2/42

asym_us_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.014+/-0.023 χ^2/NDF: 21.4/17

Left Out: -0.003+/-0.015 χ^2/NDF:25.9/23

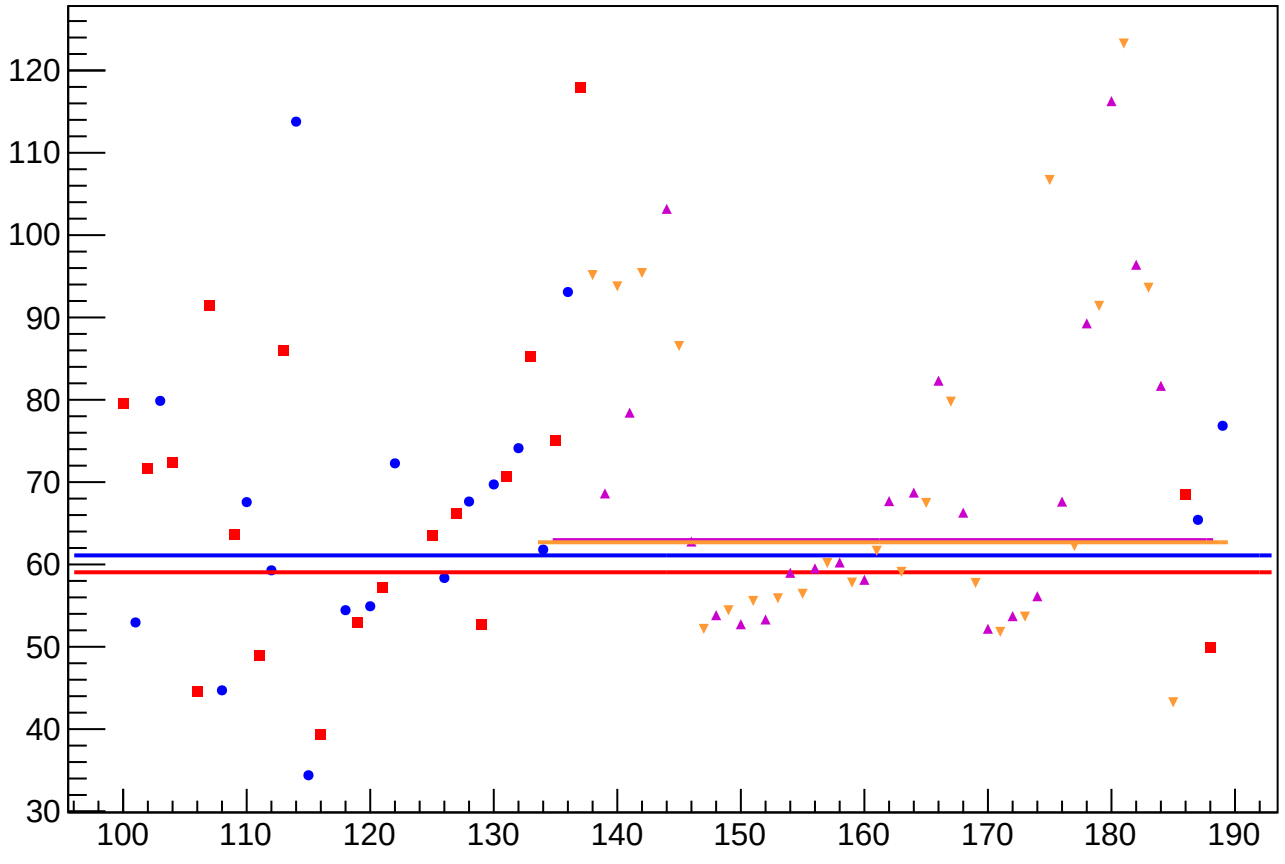
Right Out: 0.008+/-0.021 χ^2/NDF: 33.1/19

Left In: 0.023+/-0.015 χ^2/NDF:29.0/22

\+ sign -0.007+/-0.013 χ^2/NDF: 47.4/41

All: 0.006+/-0.009 χ^2/NDF: 111.6/84

\- sign 0.018+/-0.013 χ^2/NDF: 62.4/42



Right In: 61.101+/-0.016 χ^2/NDF: 739559.8/17

Left Out: 62.694+/-0.011 χ^2/NDF:1939401.0/23

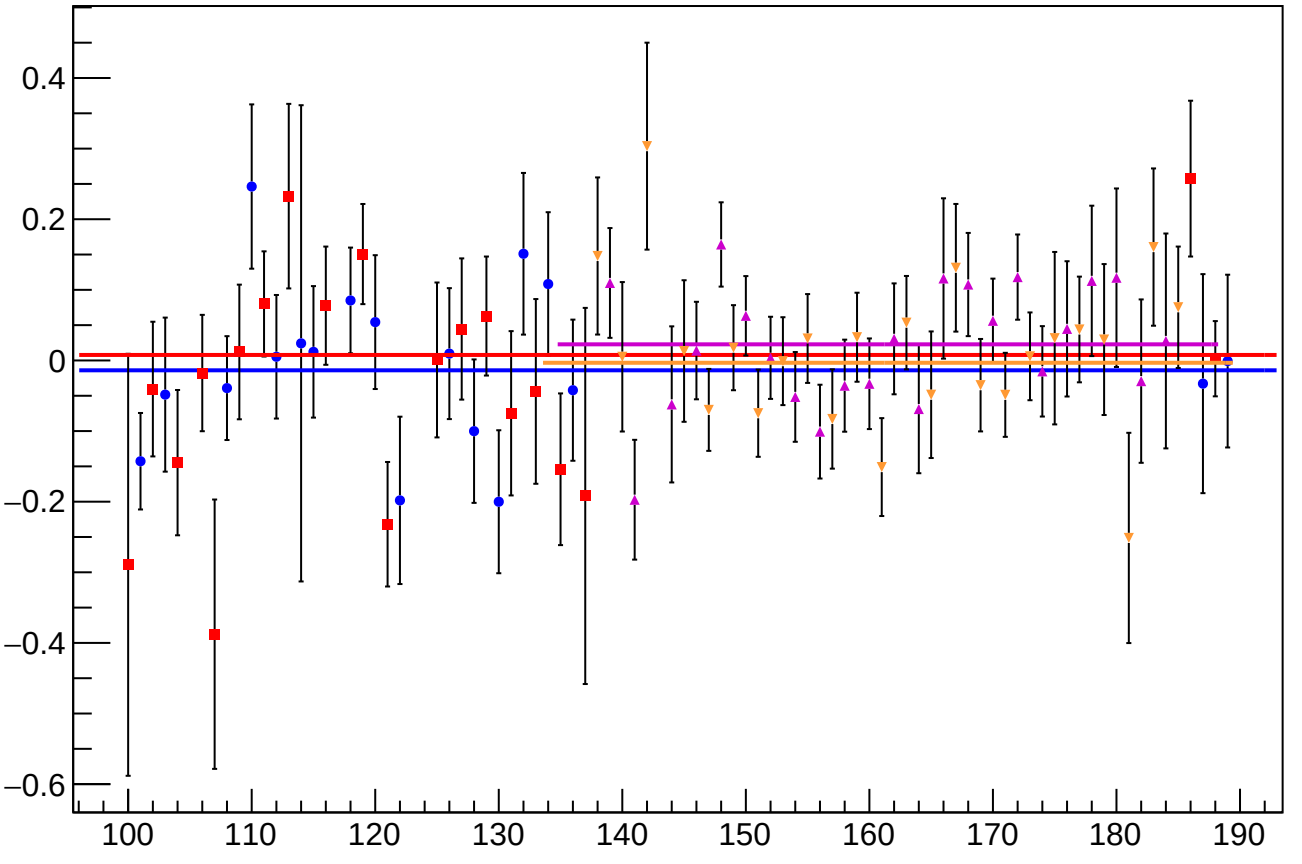
Right Out: 59.049+/-0.015 χ^2/NDF: 791585.7/19

Left In: 62.956+/-0.011 χ^2/NDF:1430426.1/22

+ sign 62.201+/-0.009 χ^2/NDF: 2685502.2/41

All: 61.895+/-0.006 χ^2/NDF: 4953659.0/84

- sign 61.605+/-0.009 χ^2/NDF: 2265956.8/42



Right In: -0.014+/-0.023 χ^2/NDF: 21.4/17

Left Out: -0.003+/-0.015 χ^2/NDF:25.9/23

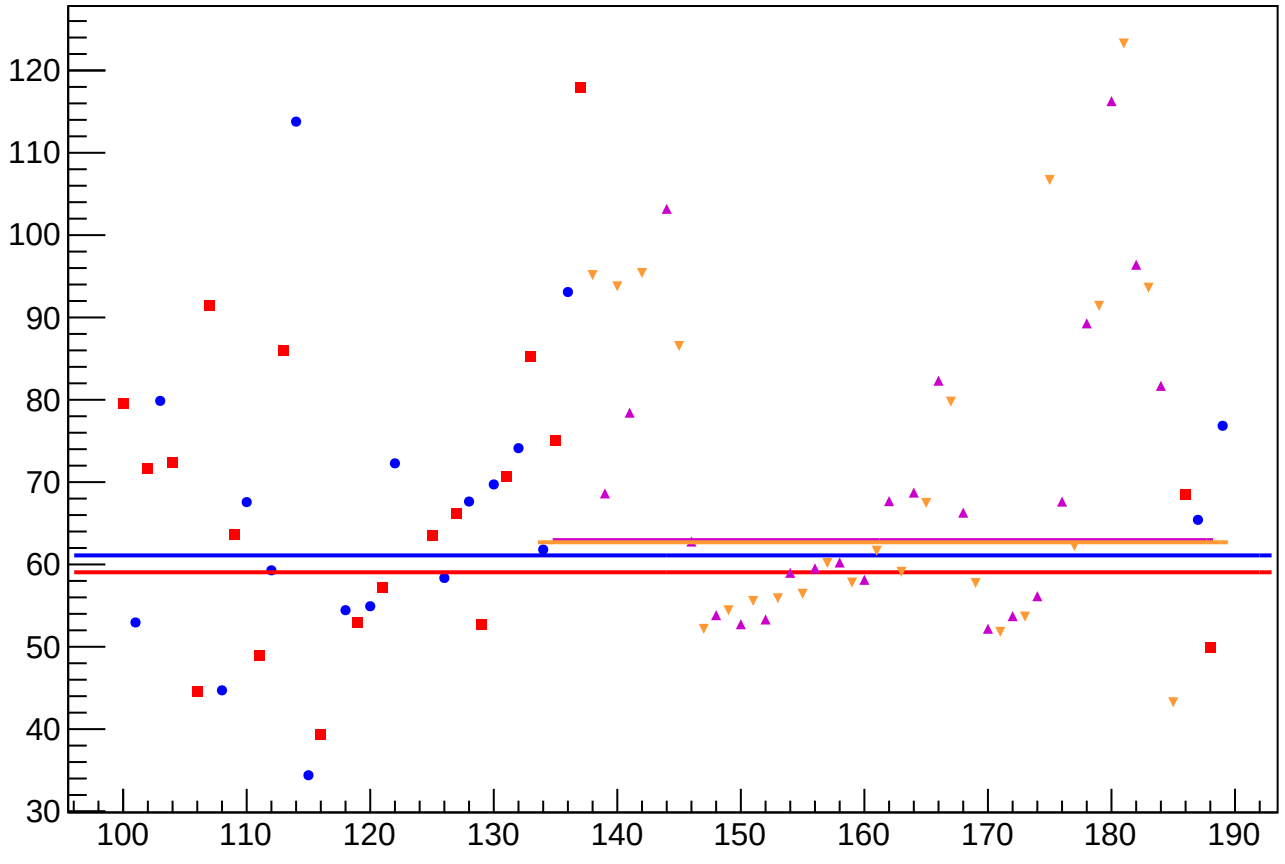
Right Out: 0.008+/-0.021 χ^2/NDF: 33.1/19

Left In: 0.023+/-0.015 χ^2/NDF:29.0/22

+ sign -0.007+/-0.013 χ^2/NDF: 47.4/41

All: 0.006+/-0.009 χ^2/NDF: 111.6/84

- sign 0.018+/-0.013 χ^2/NDF: 62.4/42



Right In: 61.101+/-0.016 χ^2/NDF: 739559.8/17

Left Out: 62.694+/-0.011 χ^2/NDF:1939401.0/23

Right Out: 59.049+/-0.015 χ^2/NDF: 791585.7/19

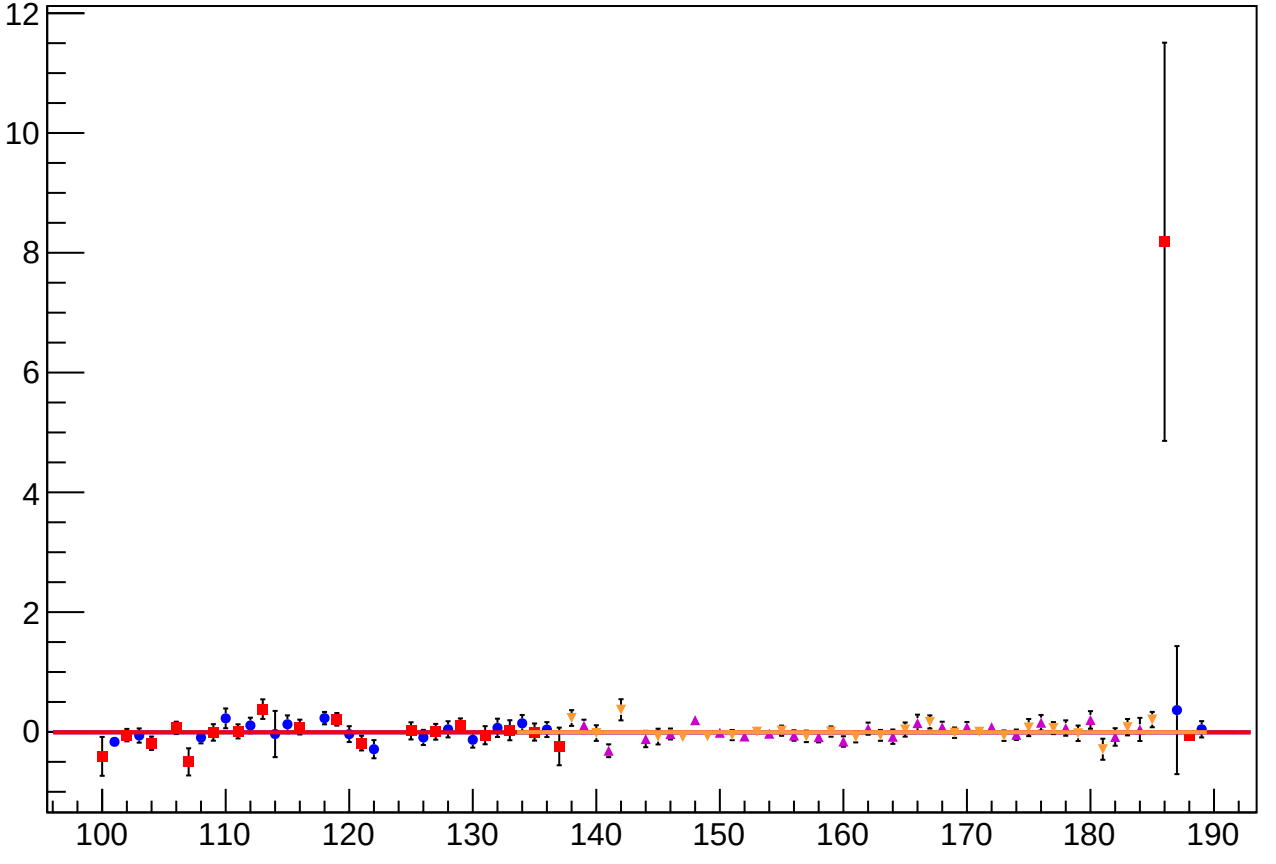
Left In: 62.956+/-0.011 χ^2/NDF:1430426.1/22

+ sign 62.201+/-0.009 χ^2/NDF: 2685502.2/41

All: 61.895+/-0.006 χ^2/NDF: 4953659.0/84

- sign 61.605+/-0.009 χ^2/NDF: 2265956.8/42

asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.007+/-0.031 χ^2/NDF: 20.4/17

Left Out: -0.004+/-0.021 χ^2/NDF:21.4/23

Right Out: -0.007+/-0.029 χ^2/NDF: 30.5/19

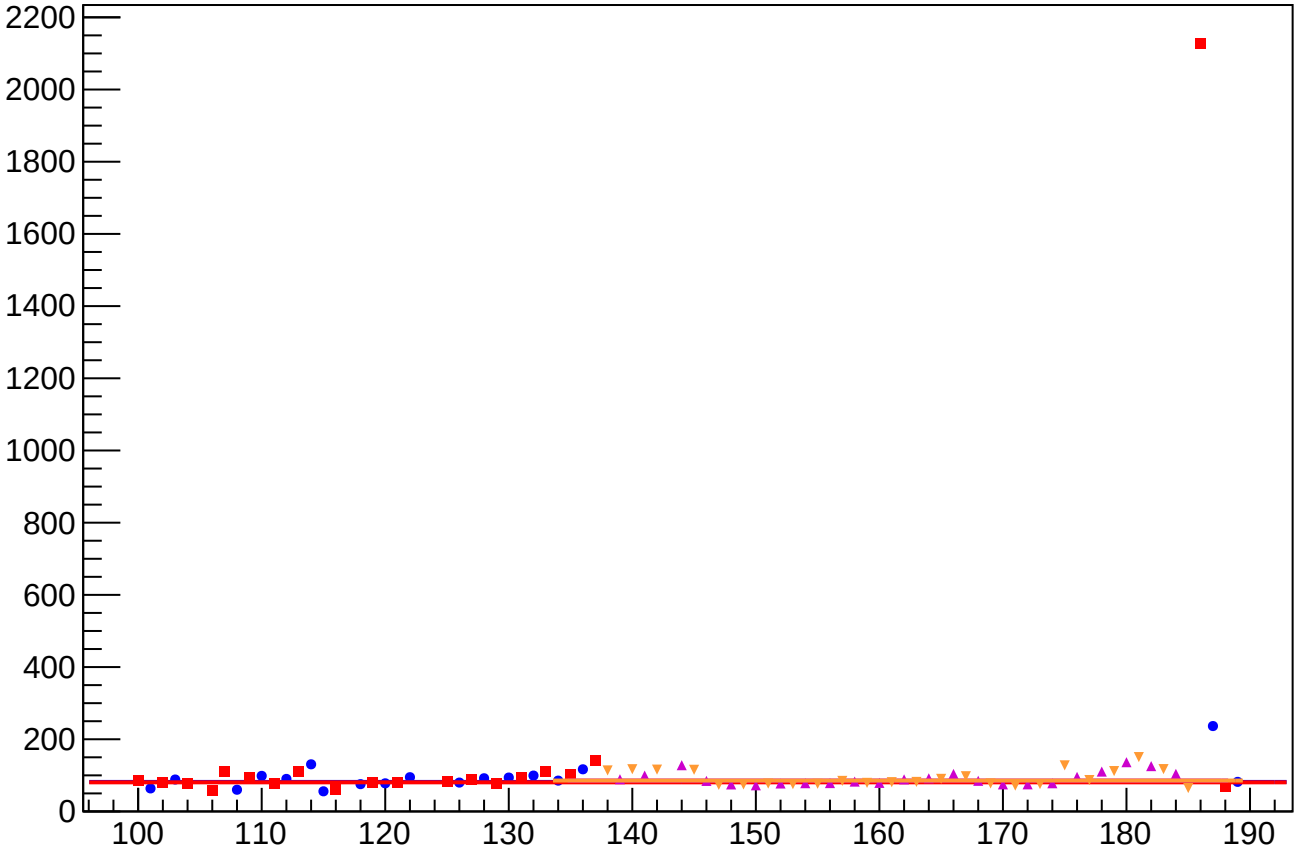
Left In: -0.002+/-0.021 χ^2/NDF:30.5/22

+ sign -0.005+/-0.017 χ^2/NDF: 41.8/41

All: -0.004+/-0.012 χ^2/NDF: 102.8/84

- sign -0.003+/-0.017 χ^2/NDF: 61.0/42

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug



Right In: 81.808+/-0.022 χ^2/NDF: 603815.4/17

Left Out: 85.650+/-0.015 χ^2/NDF:1352748.5/23

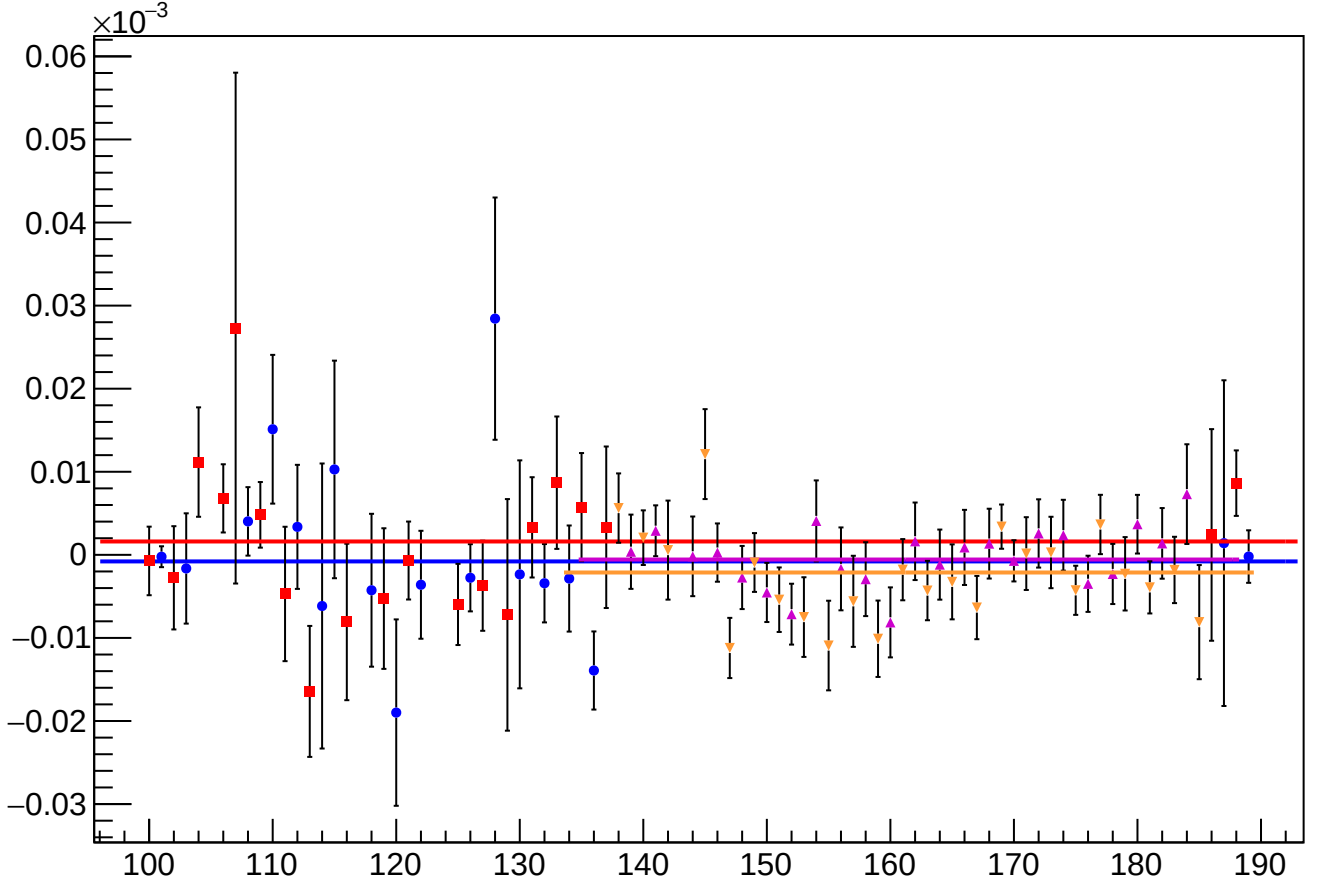
Right Out: 80.673+/-0.021 χ^2/NDF: 1293966.0/19

Left In: 85.679+/-0.015 χ^2/NDF:995870.4/22

+ sign 84.455+/-0.012 χ^2/NDF: 1978042.5/41

All: 84.228+/-0.009 χ^2/NDF: 4307687.9/84

- sign 84.008+/-0.012 χ^2/NDF: 2328956.6/42



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/17

Left Out: -0.000+/-0.000 χ^2/NDF:37.4/23

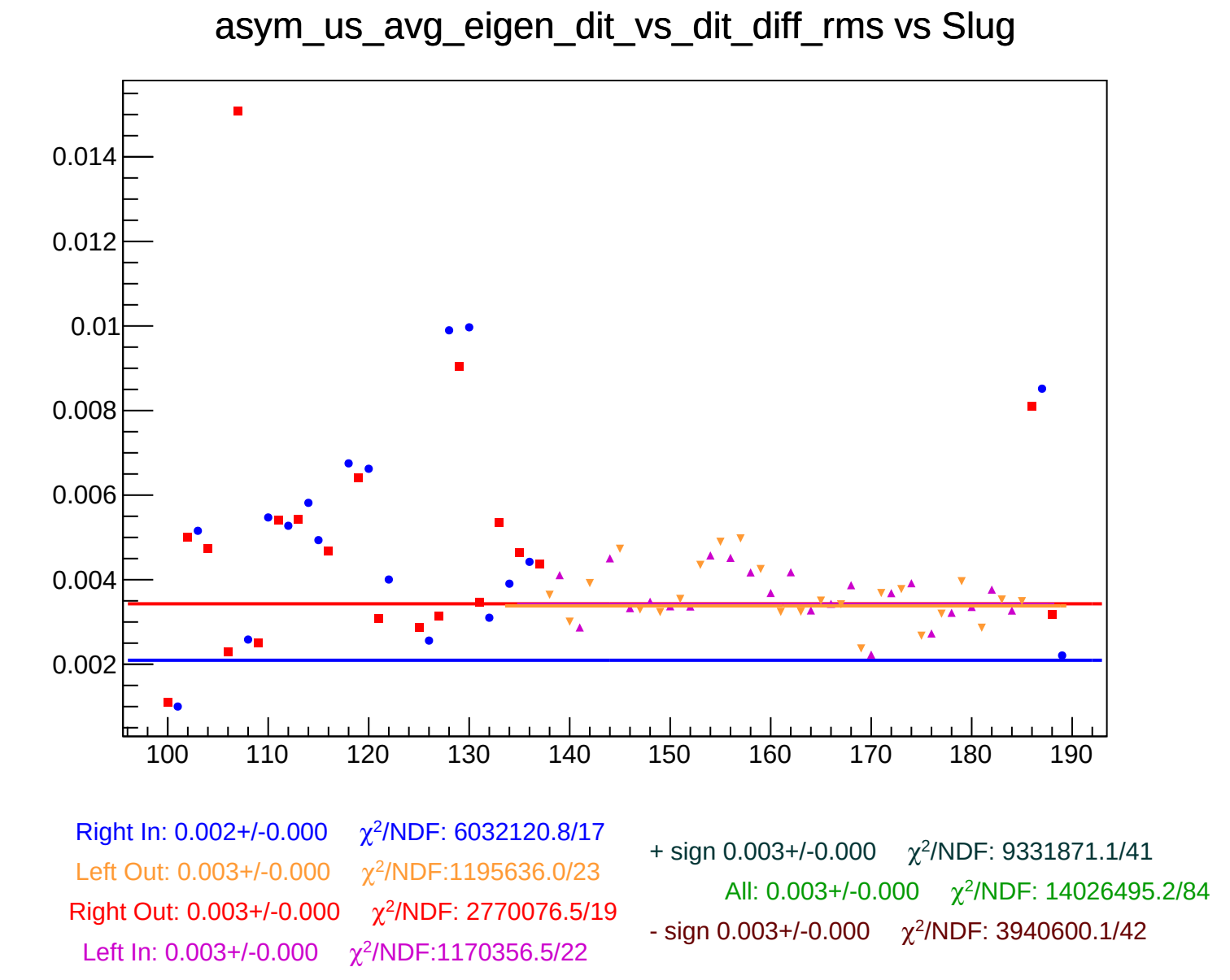
Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/19

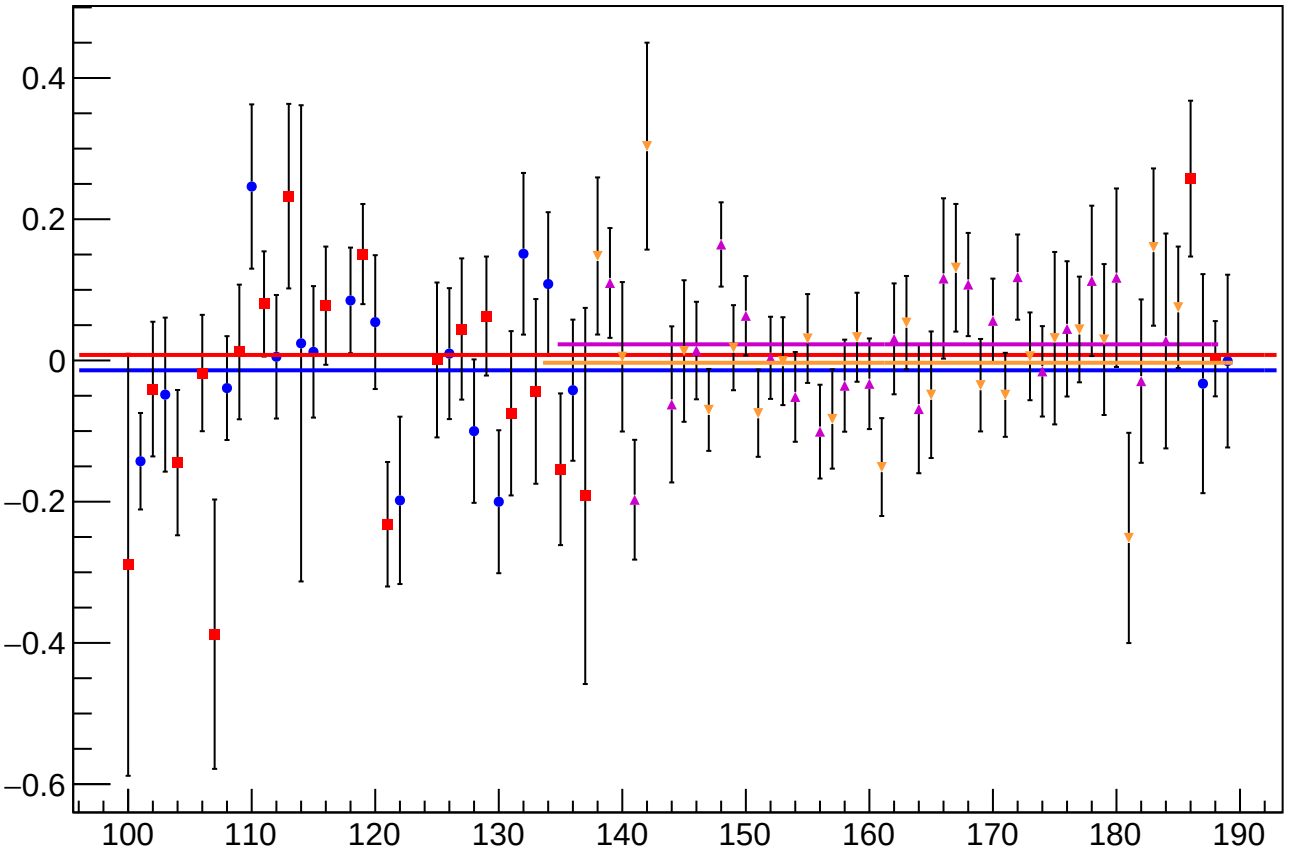
Left In: -0.000+/-0.000 χ^2/NDF:16.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.9/41

All: -0.000+/-0.000 χ^2/NDF: 103.4/84

- sign 0.000+/-0.000 χ^2/NDF: 40.5/42


asym_us_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
180
190
Right In: 0.002+/-0.000 χ²/NDF: 6032120.8/17
Left Out: 0.003+/-0.000 χ²/NDF:1195636.0/23
Right Out: 0.003+/-0.000 χ²/NDF: 2770076.5/19
Left In: 0.003+/-0.000 χ²/NDF:1170356.5/22
+ sign 0.003+/-0.000 χ²/NDF: 9331871.1/41
All: 0.003+/-0.000 χ²/NDF: 14026495.2/84
- sign 0.003+/-0.000 χ²/NDF: 3940600.1/42



Right In: -0.014+/-0.023 χ^2/NDF: 21.4/17

Left Out: -0.003+/-0.015 χ^2/NDF:25.9/23

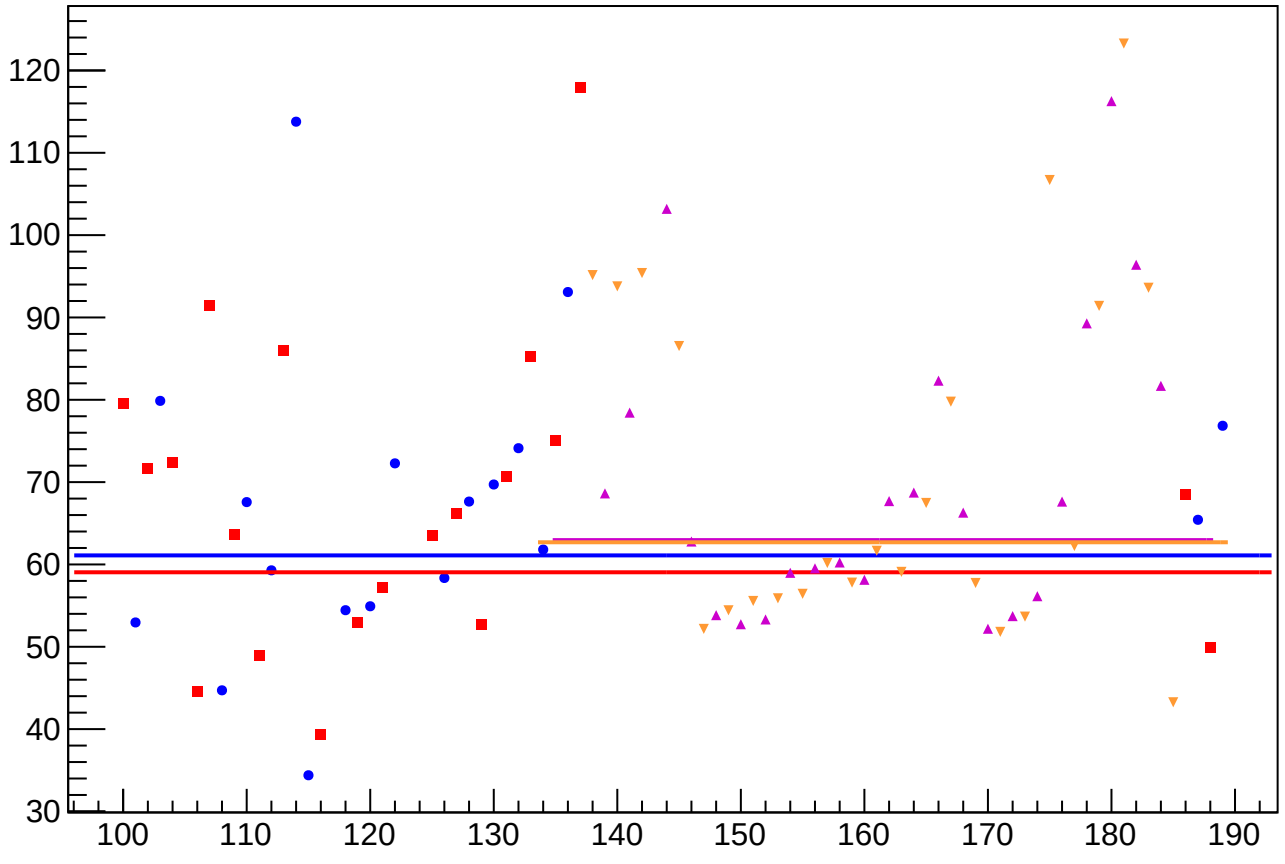
Right Out: 0.008+/-0.021 χ^2/NDF: 33.1/19

Left In: 0.023+/-0.015 χ^2/NDF:29.0/22

+ sign -0.007+/-0.013 χ^2/NDF: 47.4/41

All: 0.006+/-0.009 χ^2/NDF: 111.6/84

- sign 0.018+/-0.013 χ^2/NDF: 62.4/42



Right In: 61.099+/-0.016 χ^2/NDF: 739584.7/17

Left Out: 62.694+/-0.011 χ^2/NDF:1939383.4/23

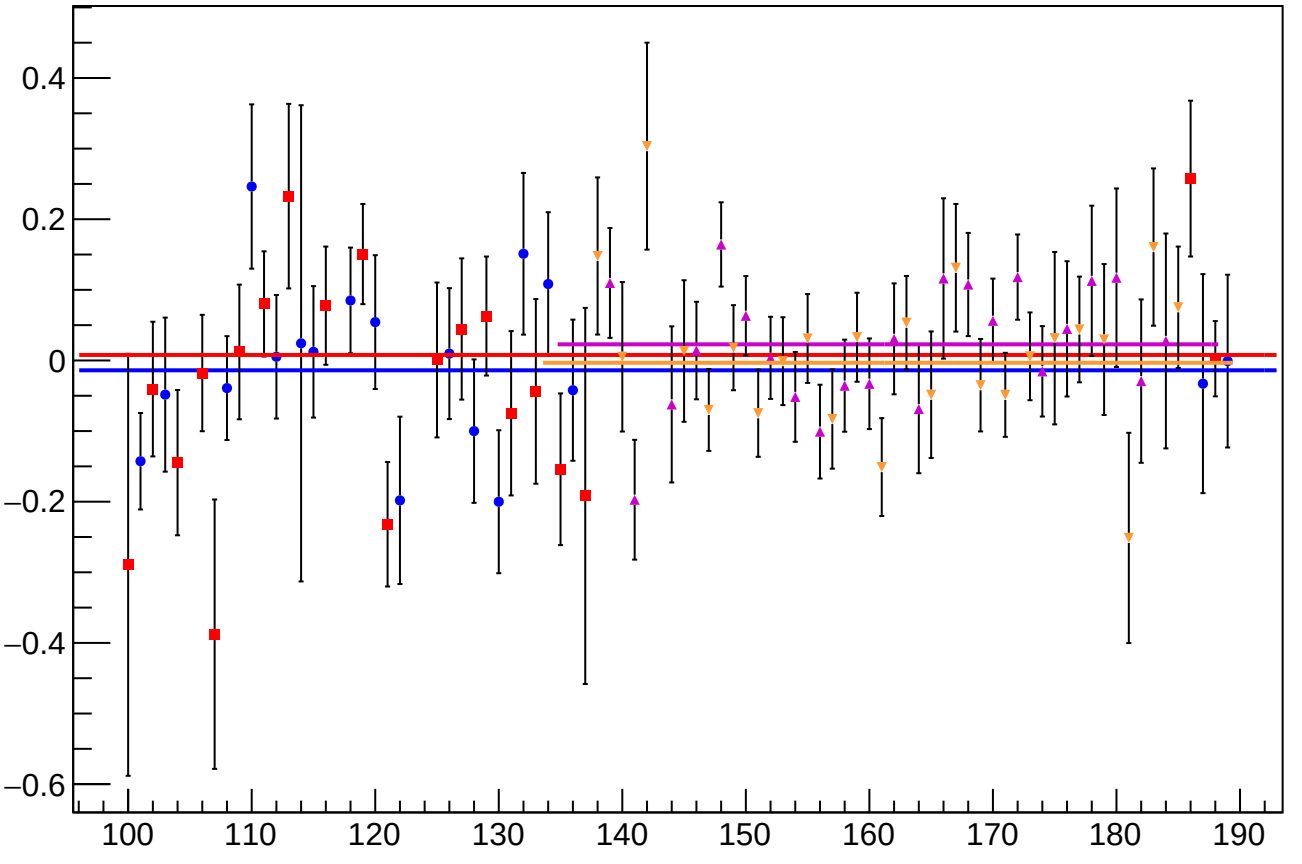
Right Out: 59.048+/-0.015 χ^2/NDF: 791576.9/19

Left In: 62.956+/-0.011 χ^2/NDF:1430401.4/22

+ sign 62.201+/-0.009 χ^2/NDF: 2685523.1/41

All: 61.895+/-0.006 χ^2/NDF: 4953677.9/84

- sign 61.605+/-0.009 χ^2/NDF: 2265954.3/42



Right In: -0.014+/-0.023 χ^2/NDF: 21.4/17

Left Out: -0.003+/-0.015 χ^2/NDF:25.9/23

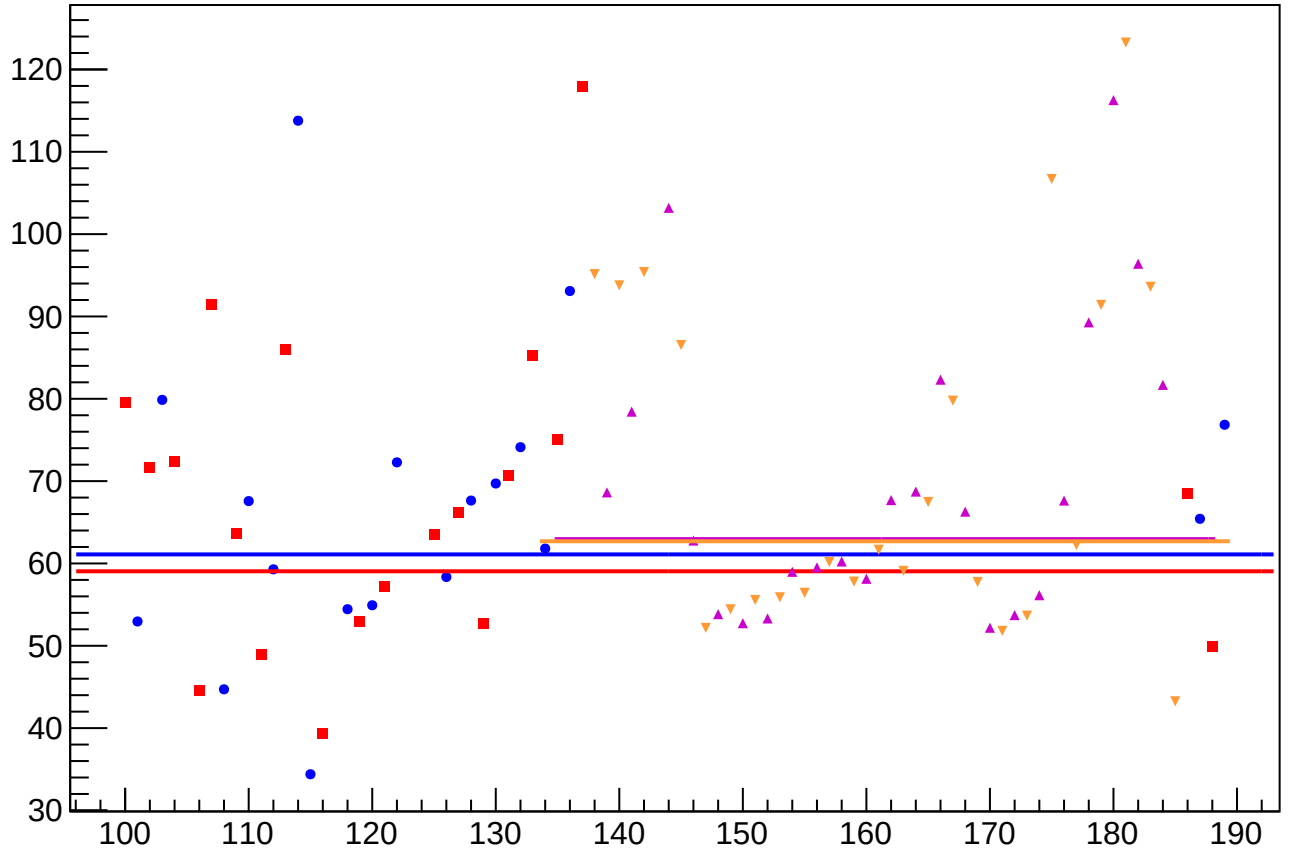
Right Out: 0.008+/-0.021 χ^2/NDF: 33.1/19

Left In: 0.023+/-0.015 χ^2/NDF:29.0/22

+ sign -0.007+/-0.013 χ^2/NDF: 47.4/41

All: 0.006+/-0.009 χ^2/NDF: 111.6/84

- sign 0.018+/-0.013 χ^2/NDF: 62.4/42



Right In: 61.099+/-0.016 χ^2/NDF: 739584.7/17

Left Out: 62.694+/-0.011 χ^2/NDF:1939383.4/23

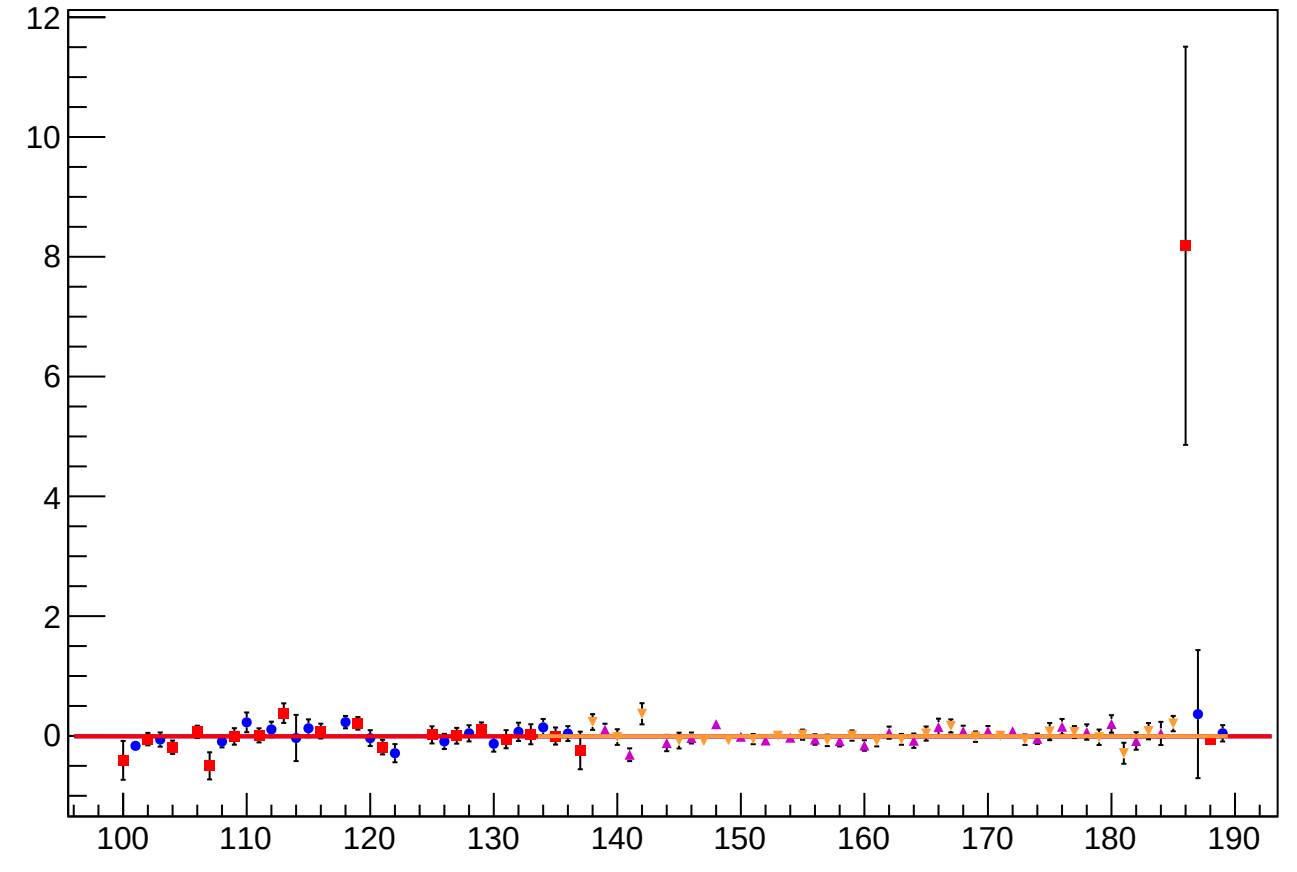
Right Out: 59.048+/-0.015 χ^2/NDF: 791576.9/19

Left In: 62.956+/-0.011 χ^2/NDF:1430401.4/22

+ sign 62.201+/-0.009 χ^2/NDF: 2685523.1/41

All: 61.895+/-0.006 χ^2/NDF: 4953677.9/84

- sign 61.605+/-0.009 χ^2/NDF: 2265954.3/42



Right In: -0.007+/-0.031 χ^2/NDF: 20.4/17

Left Out: -0.004+/-0.021 χ^2/NDF:21.4/23

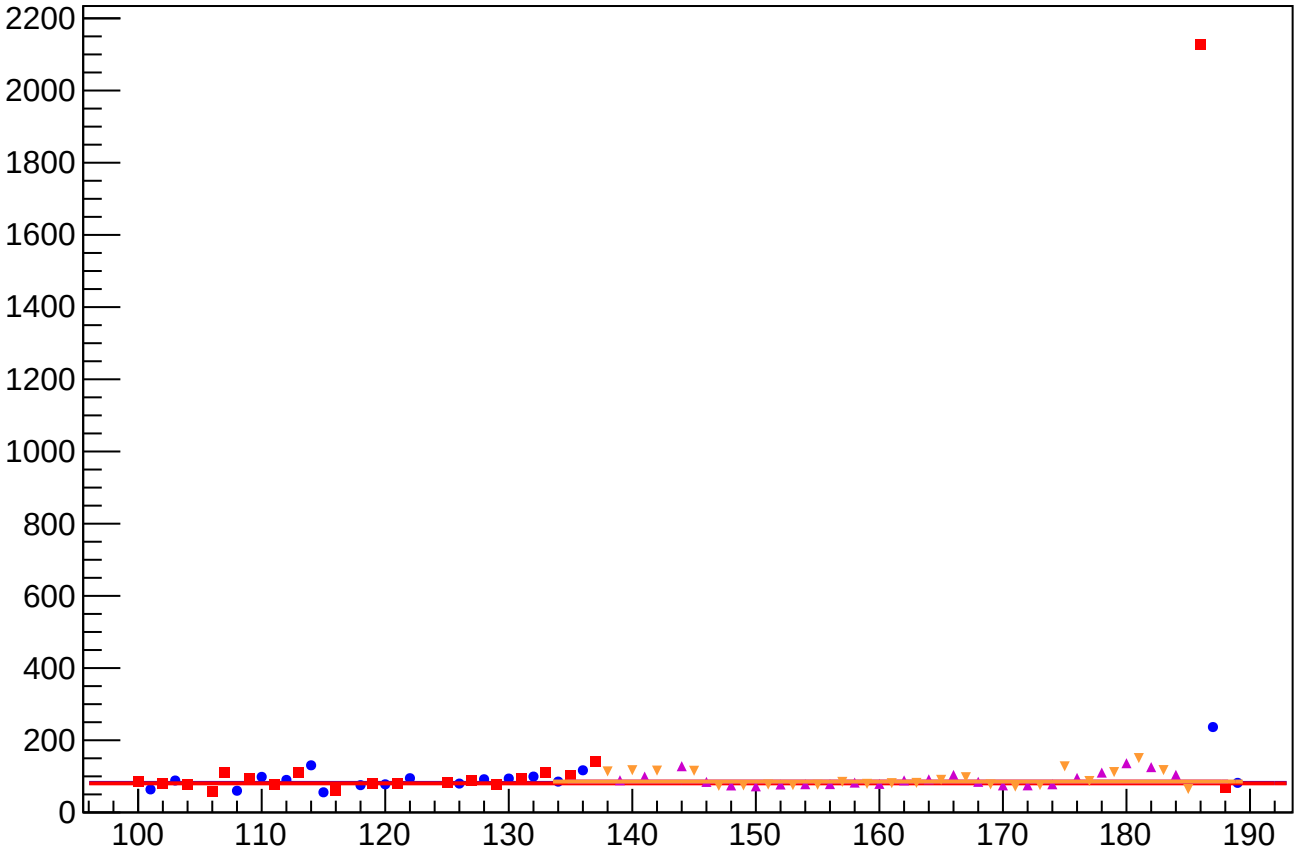
Right Out: -0.007+/-0.029 χ^2/NDF: 30.5/19

Left In: -0.002+/-0.021 χ^2/NDF:30.5/22

+ sign -0.005+/-0.017 χ^2/NDF: 41.8/41

All: -0.004+/-0.012 χ^2/NDF: 102.8/84

- sign -0.003+/-0.017 χ^2/NDF: 61.0/42



Right In: 81.807+/-0.022 χ^2/NDF: 603803.1/17

Left Out: 85.651+/-0.015 χ^2/NDF:1352738.9/23

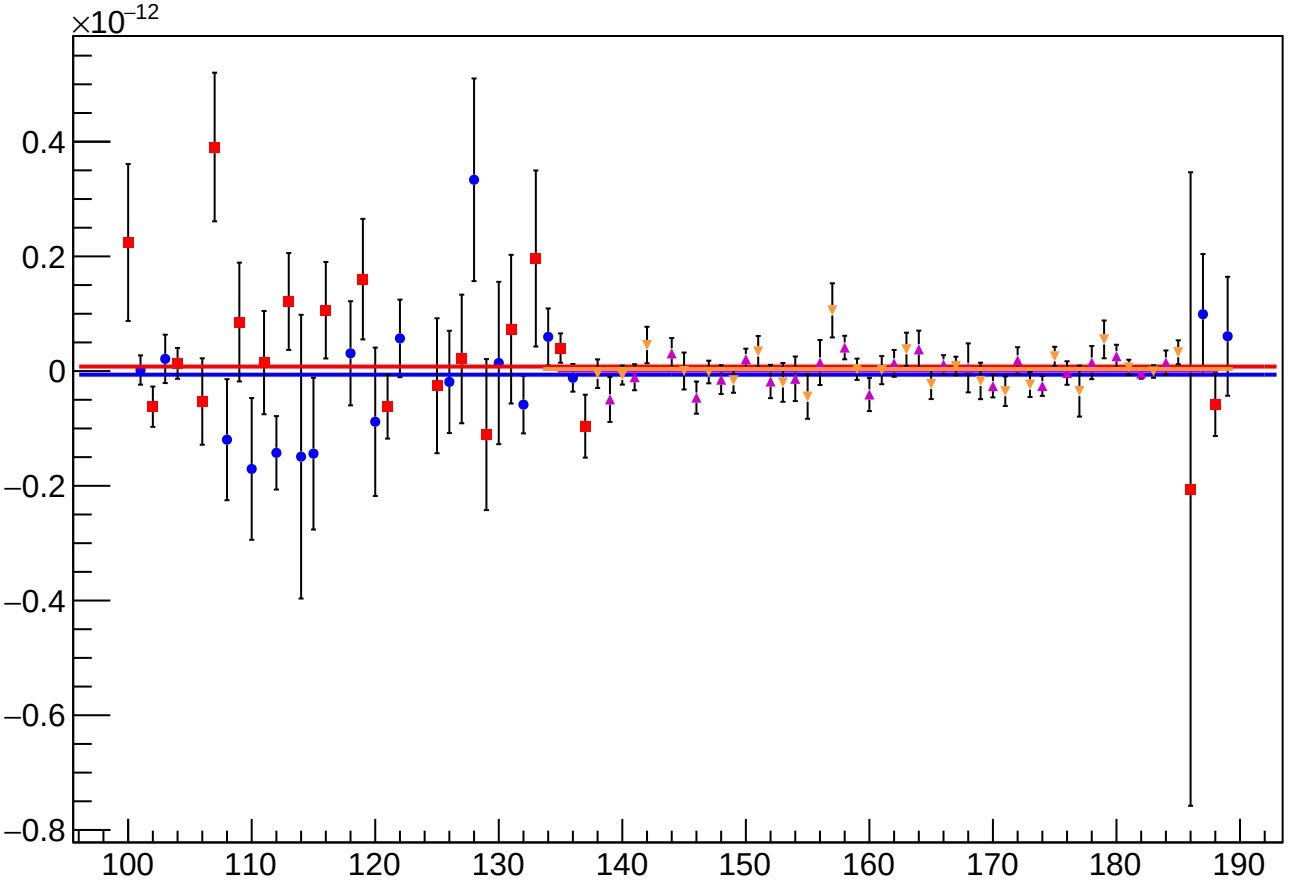
Right Out: 80.672+/-0.021 χ^2/NDF: 1293948.8/19

Left In: 85.679+/-0.015 χ^2/NDF:995860.8/22

+ sign 84.455+/-0.012 χ^2/NDF: 1978033.1/41

All: 84.228+/-0.009 χ^2/NDF: 4307667.7/84

- sign 84.008+/-0.012 χ^2/NDF: 2328945.6/42



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:25.0/23

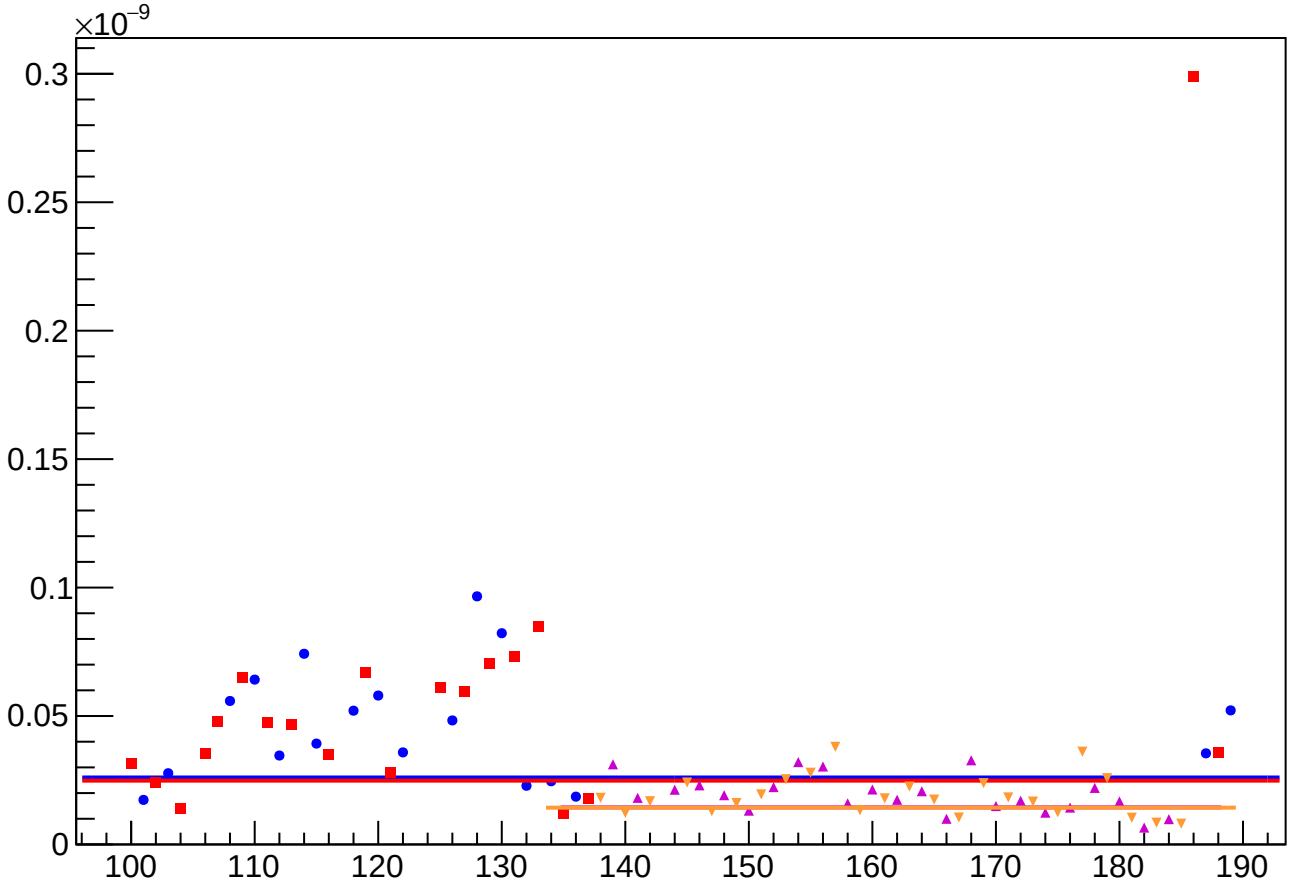
Right Out: 0.000+/-0.000 χ^2/NDF: 32.7/19

Left In: 0.000+/-0.000 χ^2/NDF:23.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.4/41

All: 0.000+/-0.000 χ^2/NDF: 101.1/84

- sign 0.000+/-0.000 χ^2/NDF: 56.6/42



Right In: 0.000+/-0.000 χ^2/NDF: 2146687.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:3611096.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3661064.1/19

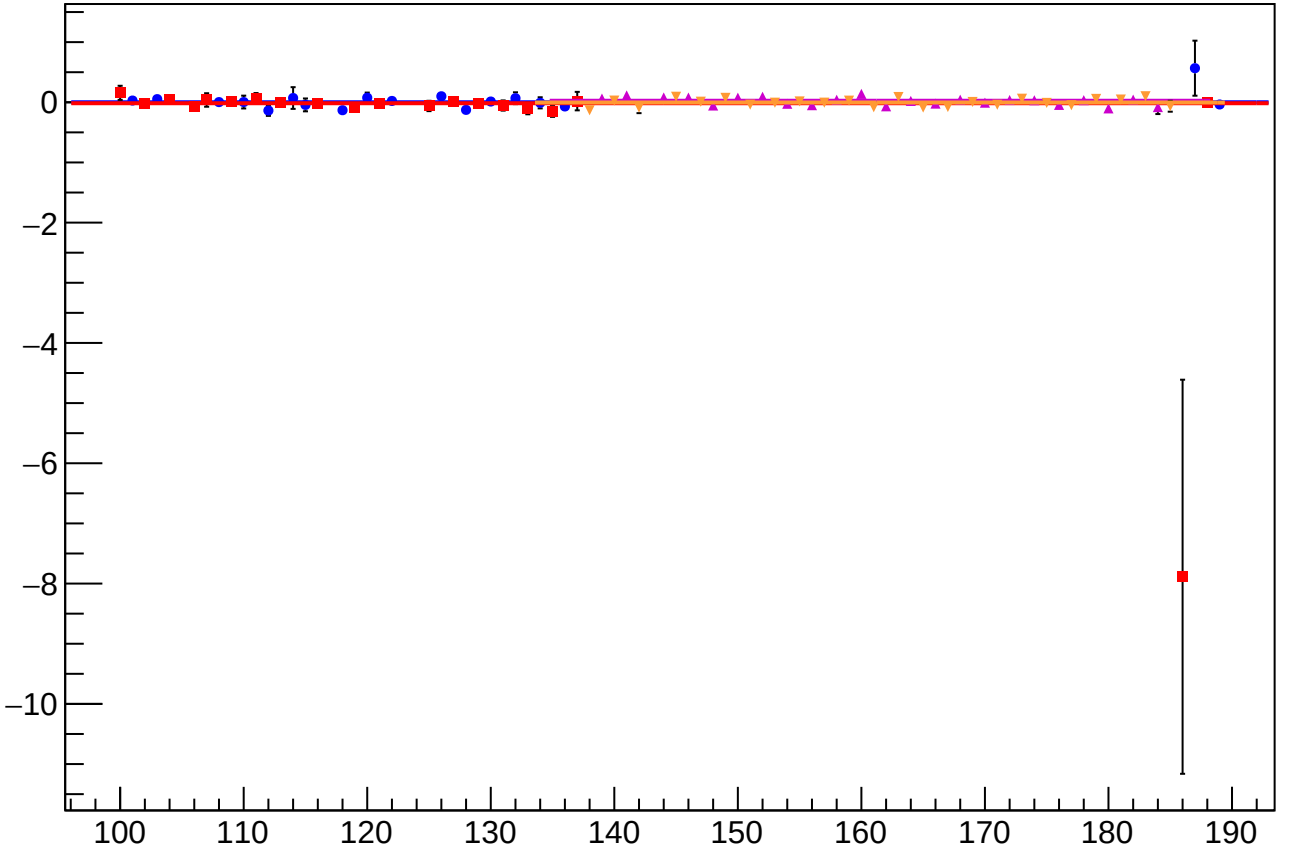
Left In: 0.000+/-0.000 χ^2/NDF:4256069.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7214345.2/41

All: 0.000+/-0.000 χ^2/NDF: 16279125.6/84

- sign 0.000+/-0.000 χ^2/NDF: 9064766.0/42

asym_us_avg_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.015 χ^2/NDF: 18.0/17

Left Out: -0.003+/-0.012 χ^2/NDF:23.1/23

Right Out: -0.016+/-0.015 χ^2/NDF: 18.3/19

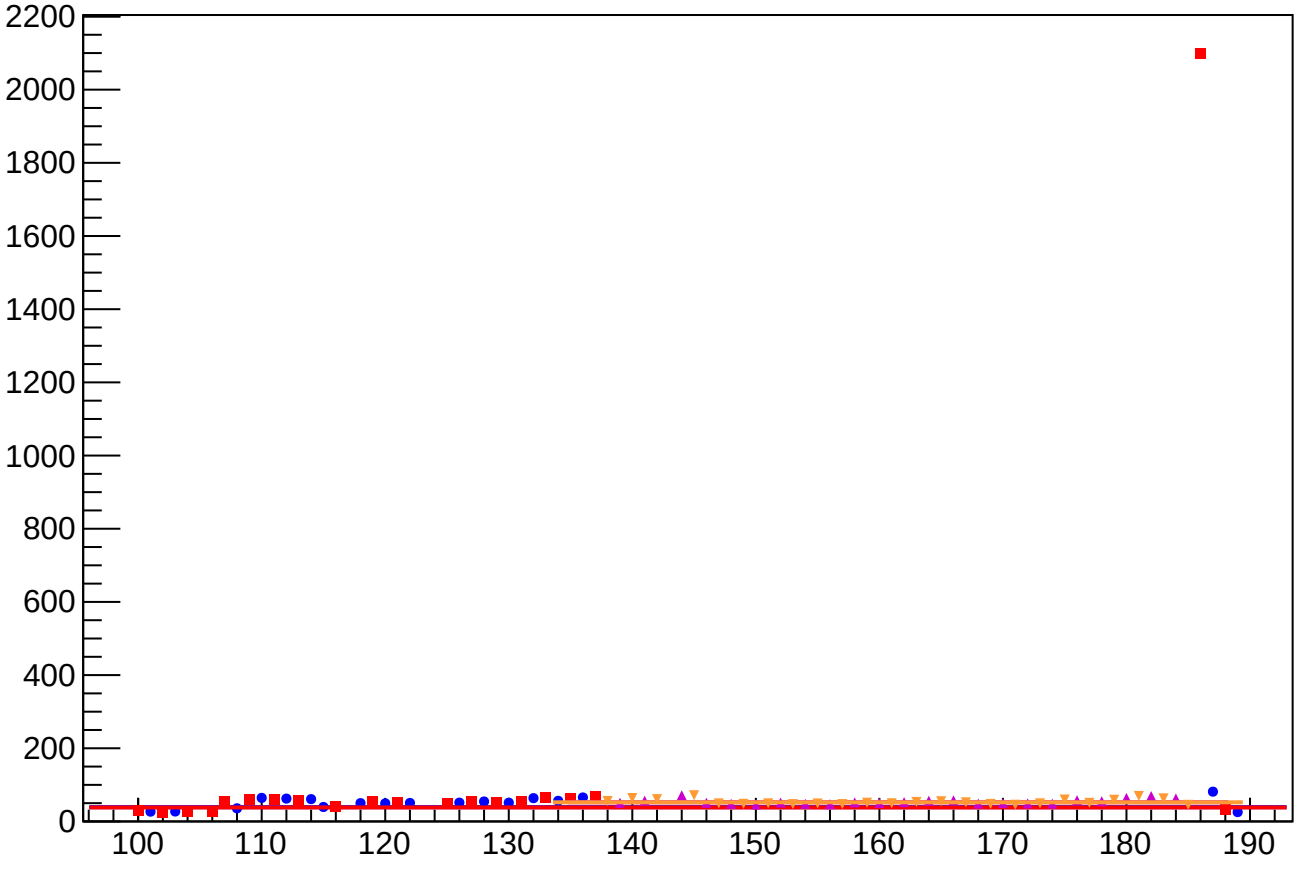
Left In: 0.025+/-0.013 χ^2/NDF:24.3/22

+ sign -0.002+/-0.010 χ^2/NDF: 41.2/41

All: 0.003+/-0.007 χ^2/NDF: 88.9/84

- sign 0.008+/-0.009 χ^2/NDF: 47.1/42

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug



Right In: 39.047+/-0.011 χ^2/NDF: 1785085.6/17

Left Out: 52.367+/-0.009 χ^2/NDF:522031.5/23

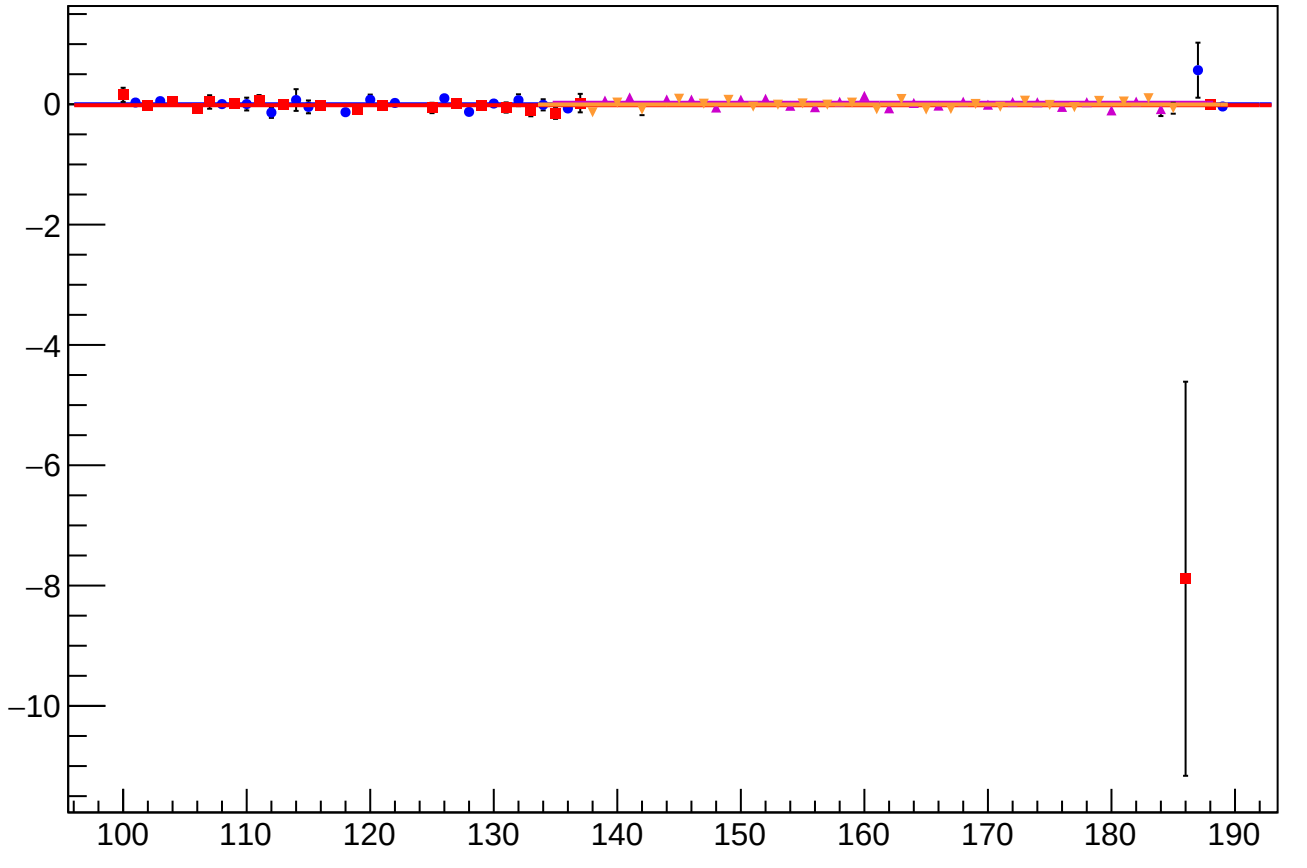
Right Out: 38.240+/-0.010 χ^2/NDF: 2667393.0/19

Left In: 52.484+/-0.009 χ^2/NDF:445297.7/22

+ sign 47.065+/-0.007 χ^2/NDF: 3222464.3/41

All: 46.738+/-0.005 χ^2/NDF: 7443062.6/84

- sign 46.421+/-0.007 χ^2/NDF: 4216064.5/42



Right In: 0.000+/-0.015 χ^2/NDF: 18.0/17

Left Out: -0.003+/-0.012 χ^2/NDF:23.1/23

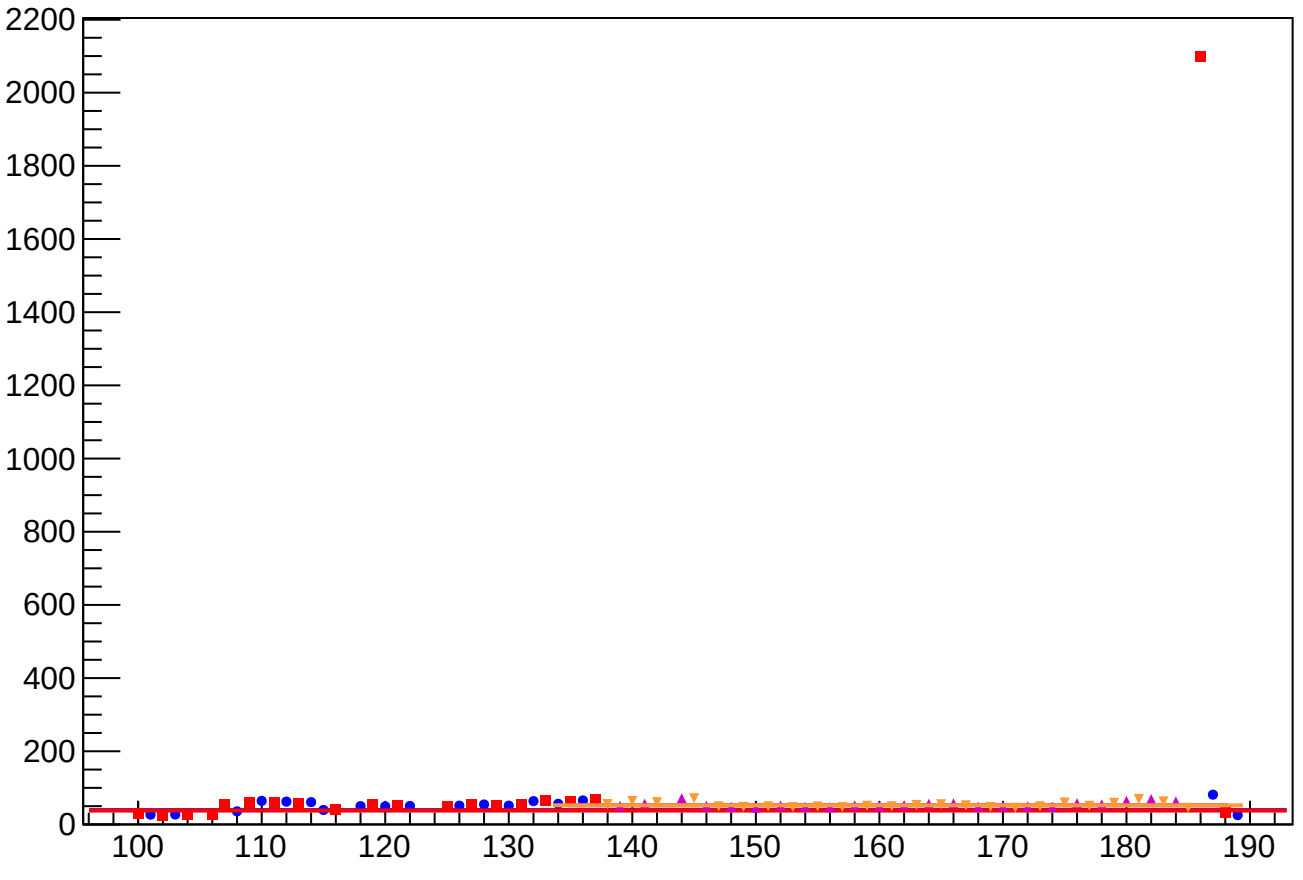
Right Out: -0.016+/-0.015 χ^2/NDF: 18.3/19

Left In: 0.025+/-0.013 χ^2/NDF:24.3/22

+ sign -0.002+/-0.010 χ^2/NDF: 41.2/41

All: 0.003+/-0.007 χ^2/NDF: 88.9/84

- sign 0.008+/-0.009 χ^2/NDF: 47.1/42



Right In: 39.047+/-0.011 χ^2/NDF: 1785085.6/17

Left Out: 52.367+/-0.009 χ^2/NDF:522031.5/23

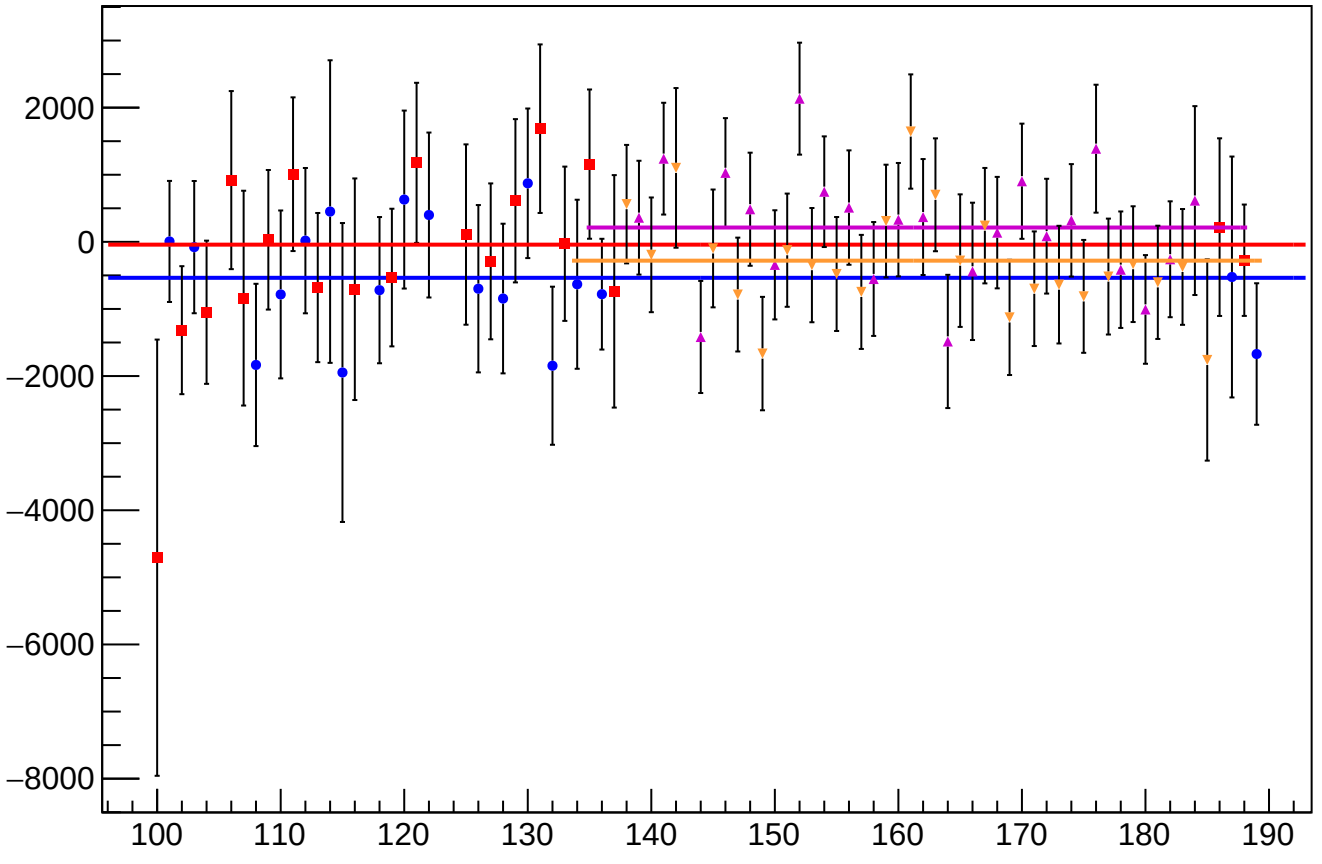
Right Out: 38.240+/-0.010 χ^2/NDF: 2667393.0/19

Left In: 52.484+/-0.009 χ^2/NDF:445297.7/22

+ sign 47.065+/-0.007 χ^2/NDF: 3222464.3/41

All: 46.738+/-0.005 χ^2/NDF: 7443062.6/84

- sign 46.421+/-0.007 χ^2/NDF: 4216064.5/42



Right In: -535.922+/-275.377 χ^2/NDF: 8.2/17

Left Out: -280.364+/-179.881 χ^2/NDF:16.1/23

Right Out: -41.732+/-266.571 χ^2/NDF: 11.8/19

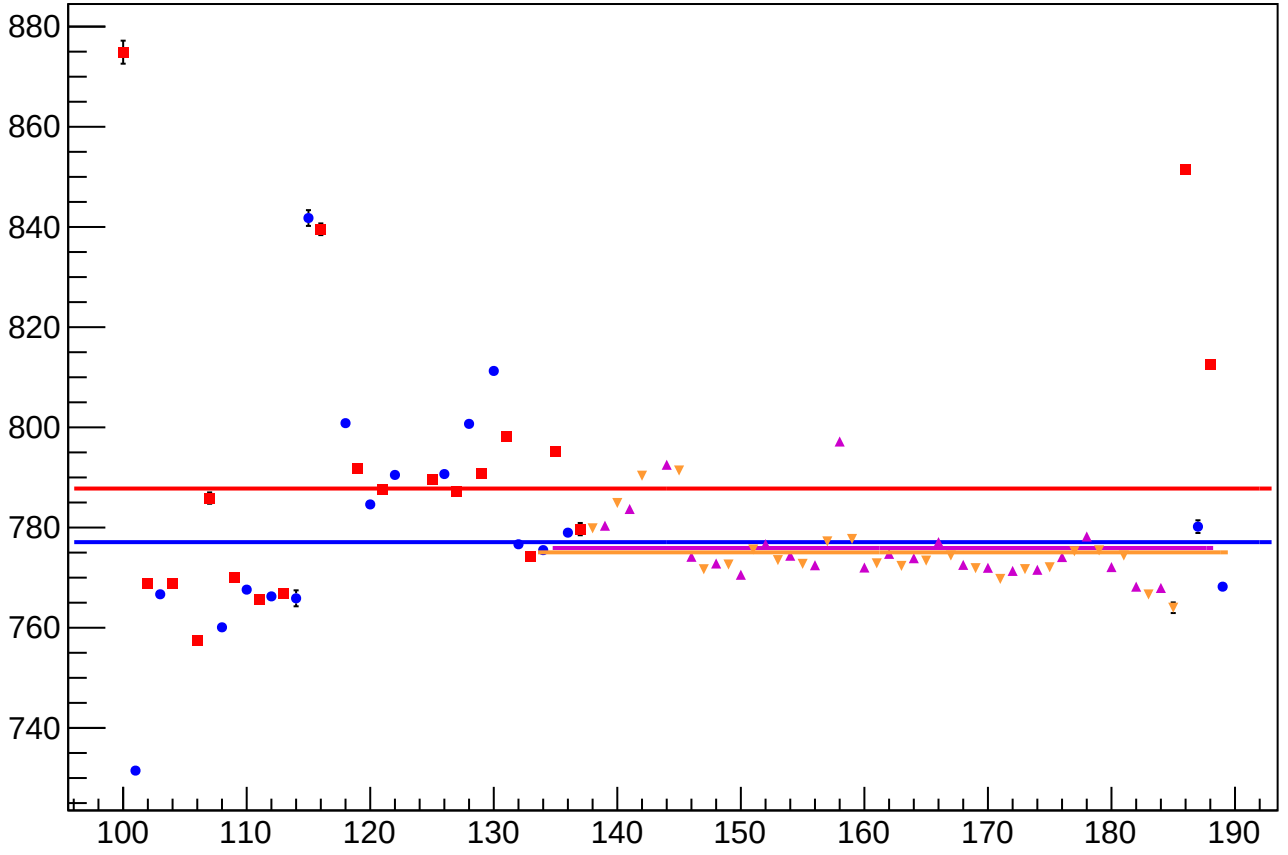
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -356.795+/-150.598 χ^2/NDF: 24.9/41

All: -110.757+/-106.219 χ^2/NDF: 65.0/84

- sign 132.807+/-149.839 χ^2/NDF: 34.8/42

reg_asym_us_dd_rms vs Slug



Right In: 777.087+/-0.195 χ^2/NDF: 12211.7/17

Left Out: 775.050+/-0.127 χ^2/NDF:1951.3/23

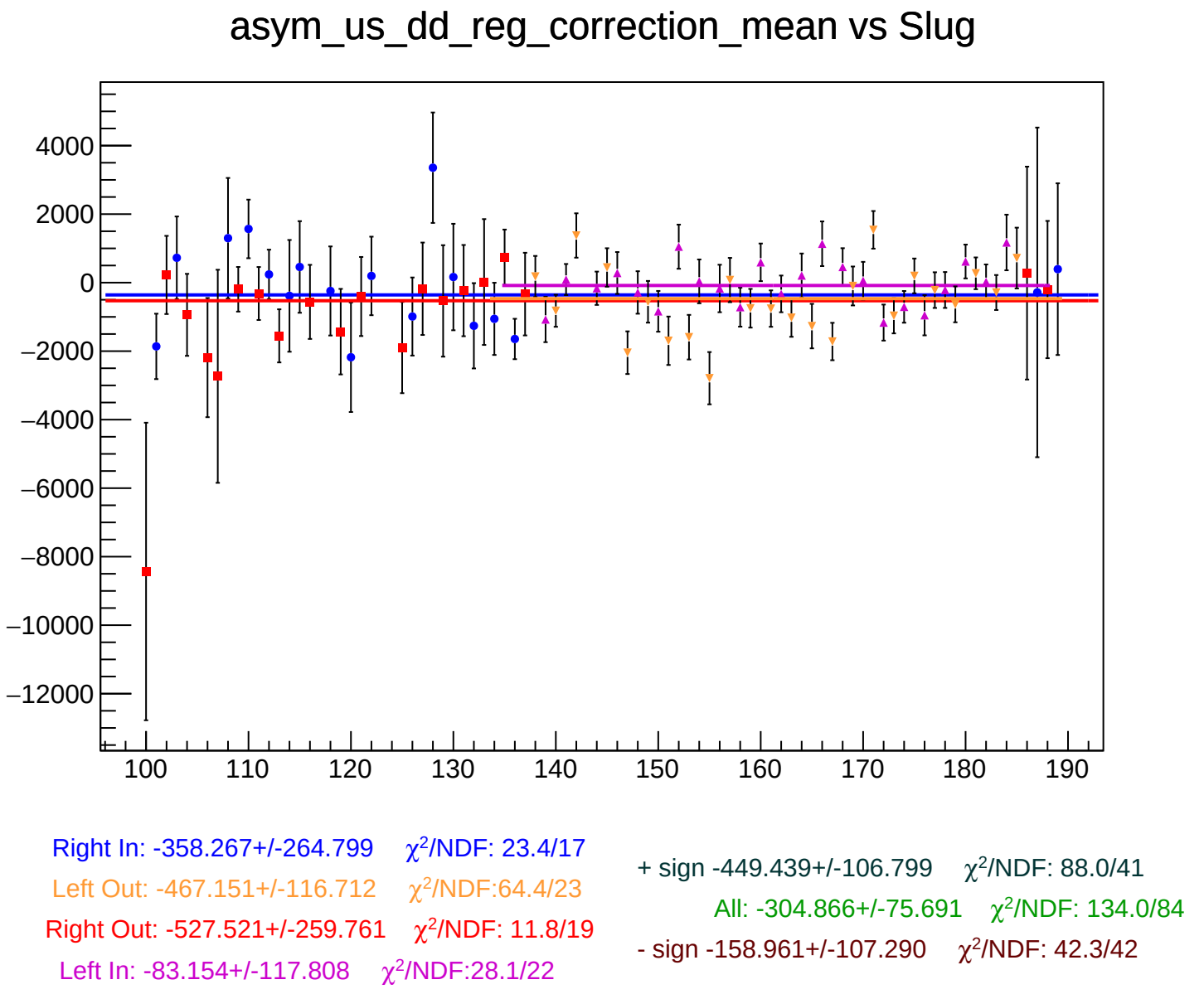
Right Out: 787.787+/-0.188 χ^2/NDF: 14926.1/19

Left In: 775.922+/-0.128 χ^2/NDF:2973.0/22

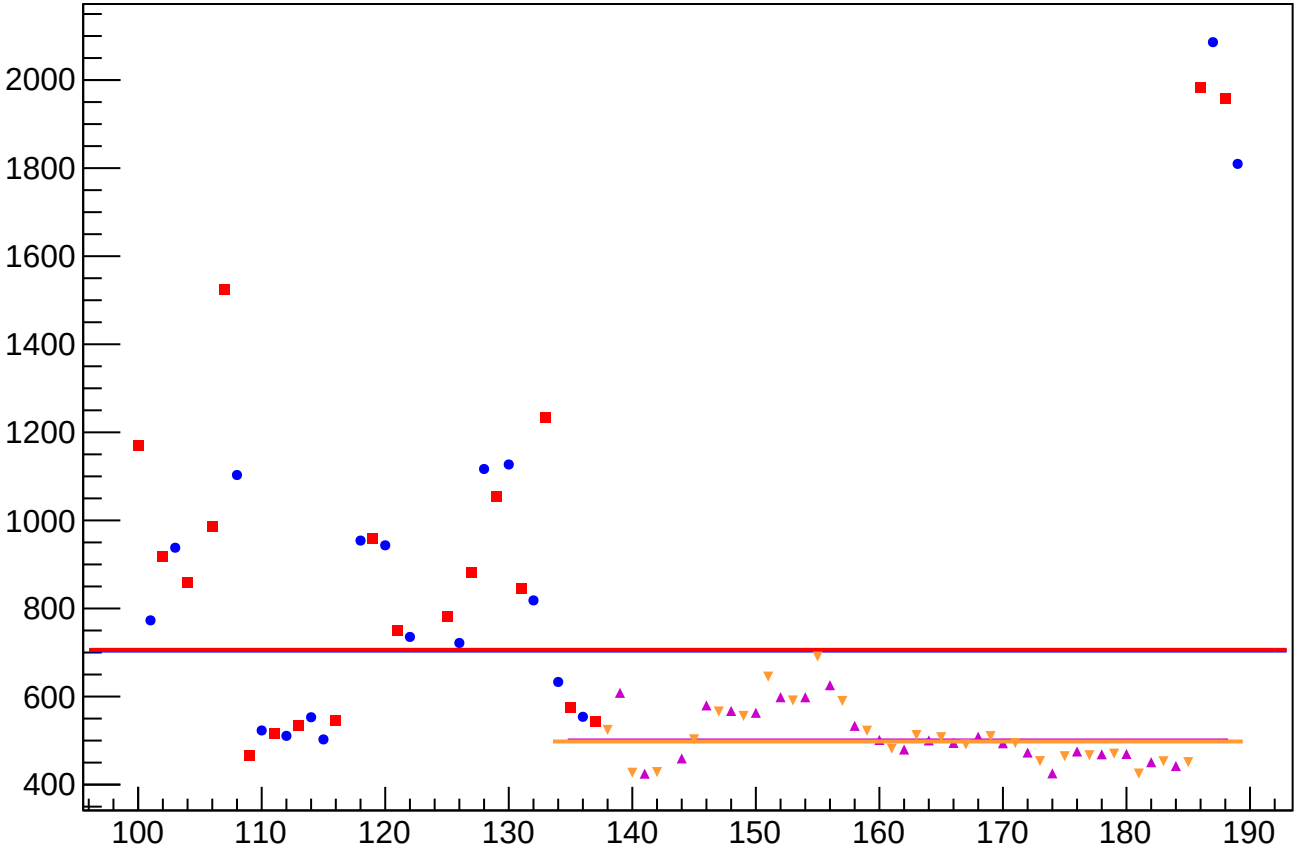
+ sign 775.659+/-0.106 χ^2/NDF: 14239.7/41

All: 777.675+/-0.075 χ^2/NDF: 35562.6/84

- sign 779.671+/-0.106 χ^2/NDF: 20609.6/42


asym_us_dd_reg_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
180
190
Right In: -358.267+/-264.799 χ²/NDF: 23.4/17
Left Out: -467.151+/-116.712 χ²/NDF:64.4/23
Right Out: -527.521+/-259.761 χ²/NDF: 11.8/19
Left In: -83.154+/-117.808 χ²/NDF:28.1/22
+ sign -449.439+/-106.799 χ²/NDF: 88.0/41
All: -304.866+/-75.691 χ²/NDF: 134.0/84
- sign -158.961+/-107.290 χ²/NDF: 42.3/42

asym_us_dd_reg_correction_rms vs Slug



Right In: 704.478+/-0.187 χ^2/NDF: 1593666.0/17

Left Out: 497.966+/-0.083 χ^2/NDF:526993.3/23

Right Out: 706.088+/-0.184 χ^2/NDF: 2457821.7/19

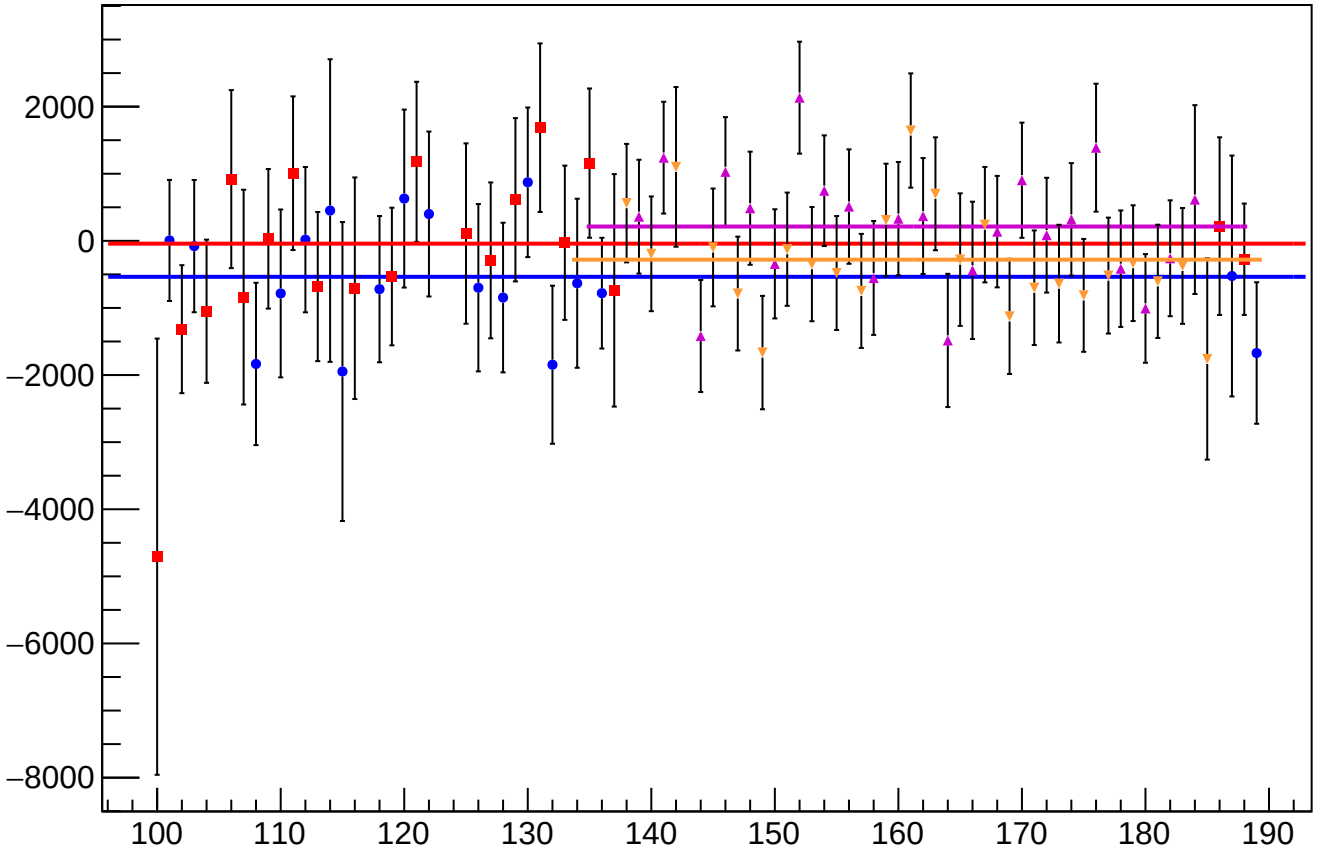
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

+ sign 531.559+/-0.076 χ^2/NDF: 3139225.5/41

All: 533.477+/-0.054 χ^2/NDF: 7116753.4/84

- sign 535.412+/-0.076 χ^2/NDF: 3976232.0/42

cor_asym_us_dd_mean vs Slug



Right In: -535.922+/-275.377 χ^2/NDF: 8.2/17

Left Out: -280.364+/-179.881 χ^2/NDF:16.1/23

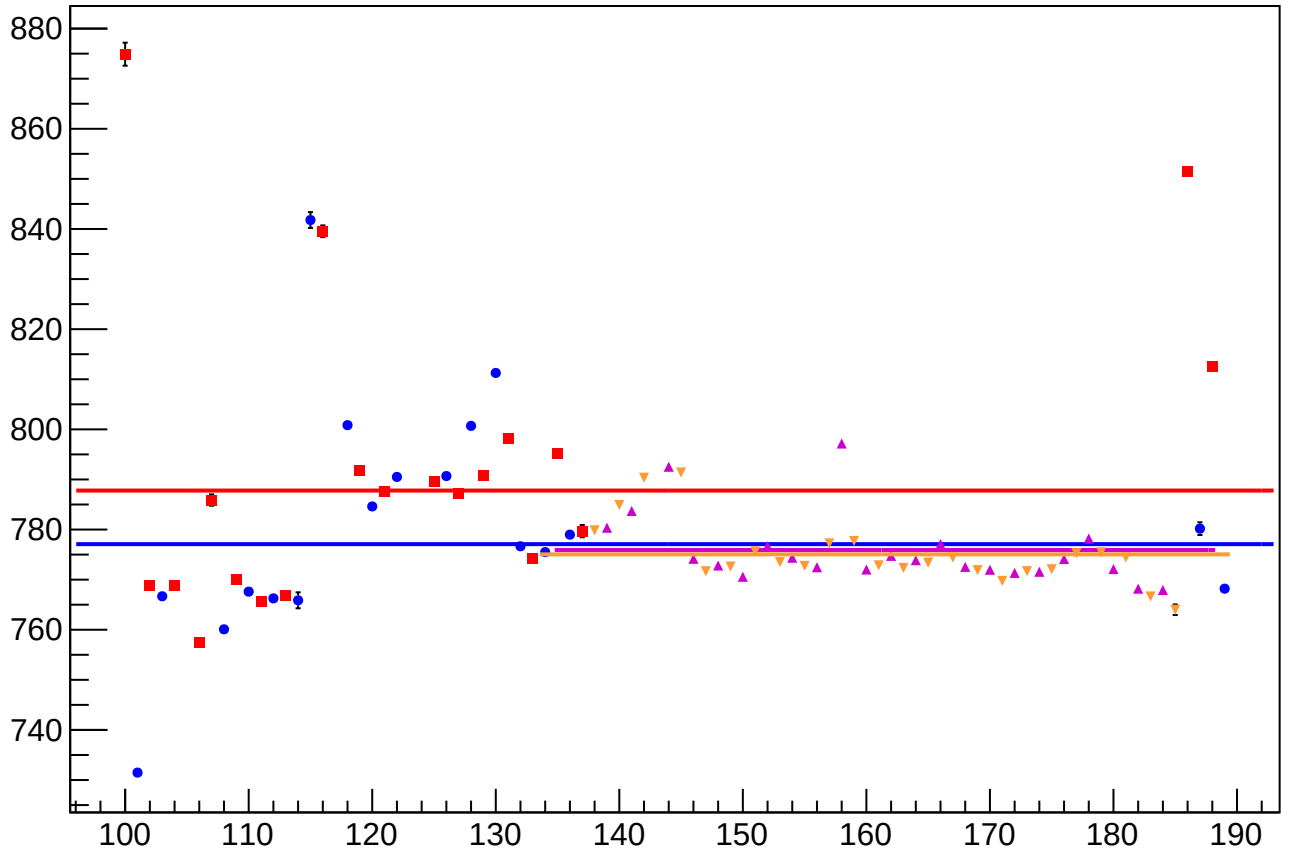
Right Out: -41.732+/-266.571 χ^2/NDF: 11.8/19

Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -356.795+/-150.598 χ^2/NDF: 24.9/41

All: -110.757+/-106.219 χ^2/NDF: 65.0/84

- sign 132.807+/-149.839 χ^2/NDF: 34.8/42



Right In: 777.087+/-0.195 χ^2/NDF: 12211.7/17

Left Out: 775.050+/-0.127 χ^2/NDF:1951.3/23

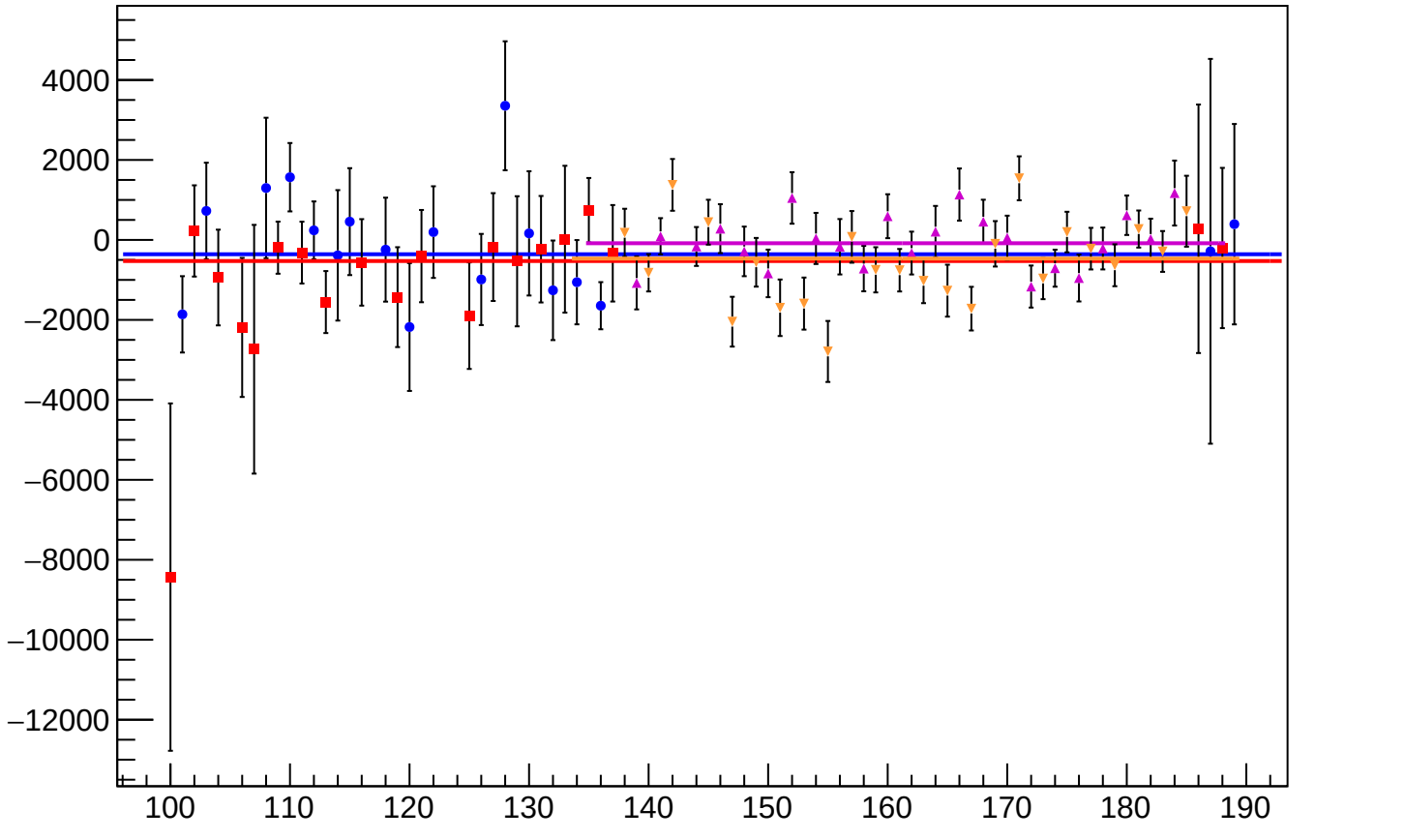
Right Out: 787.787+/-0.188 χ^2/NDF: 14926.1/19

Left In: 775.922+/-0.128 χ^2/NDF:2973.0/22

\+ sign 775.659+/-0.106 χ^2/NDF: 14239.7/41

All: 777.675+/-0.075 χ^2/NDF: 35562.6/84

\- sign 779.671+/-0.106 χ^2/NDF: 20609.6/42



Right In: -358.267+/-264.799 χ^2/NDF: 23.4/17

Left Out: -467.151+/-116.712 χ^2/NDF:64.4/23

Right Out: -527.521+/-259.761 χ^2/NDF: 11.8/19

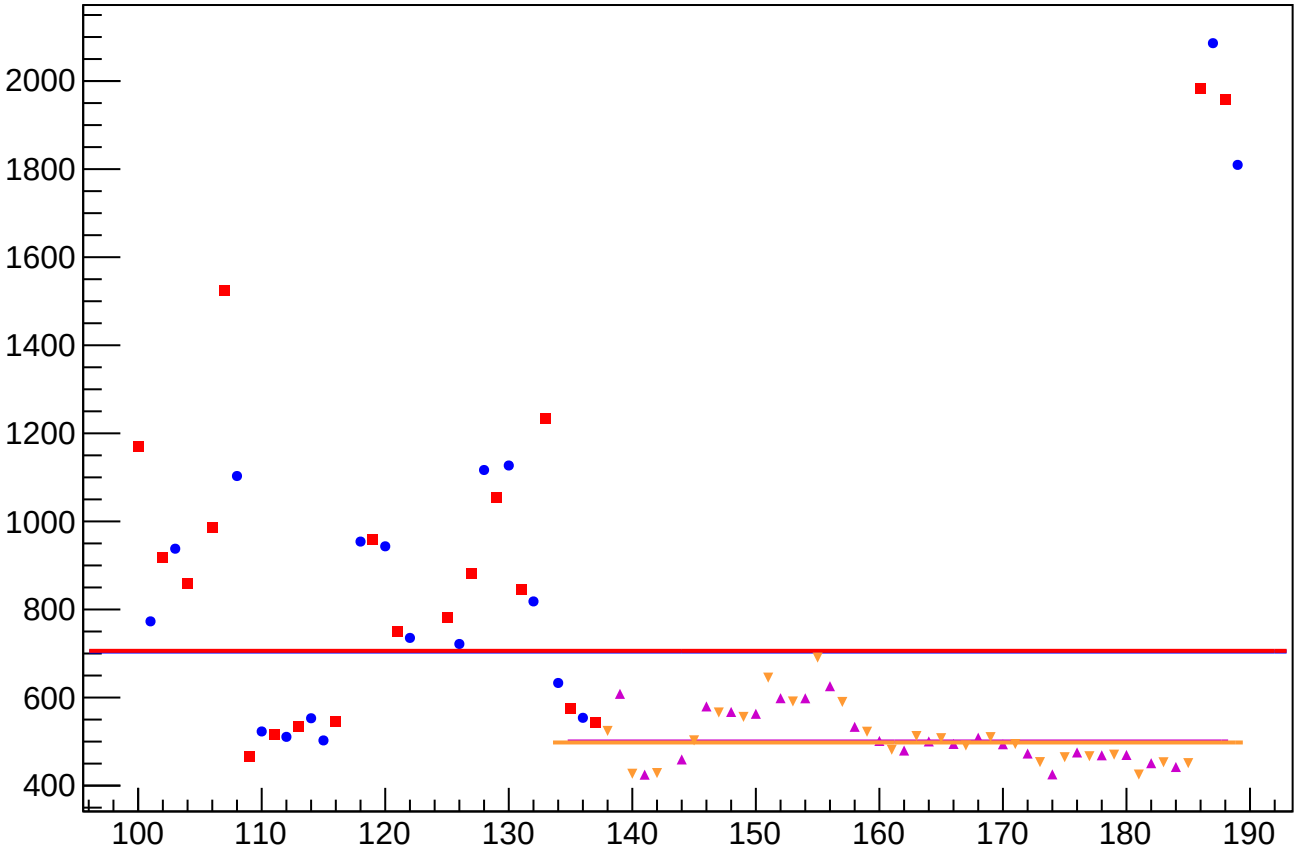
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

\+ sign -449.439+/-106.799 χ^2/NDF: 88.0/41

All: -304.866+/-75.691 χ^2/NDF: 134.0/84

\- sign -158.961+/-107.290 χ^2/NDF: 42.3/42

asym_us_dd_cor_correction_rms vs Slug



Right In: 704.478+/-0.187 χ^2/NDF: 1593666.0/17

Left Out: 497.966+/-0.083 χ^2/NDF:526993.3/23

Right Out: 706.088+/-0.184 χ^2/NDF: 2457821.7/19

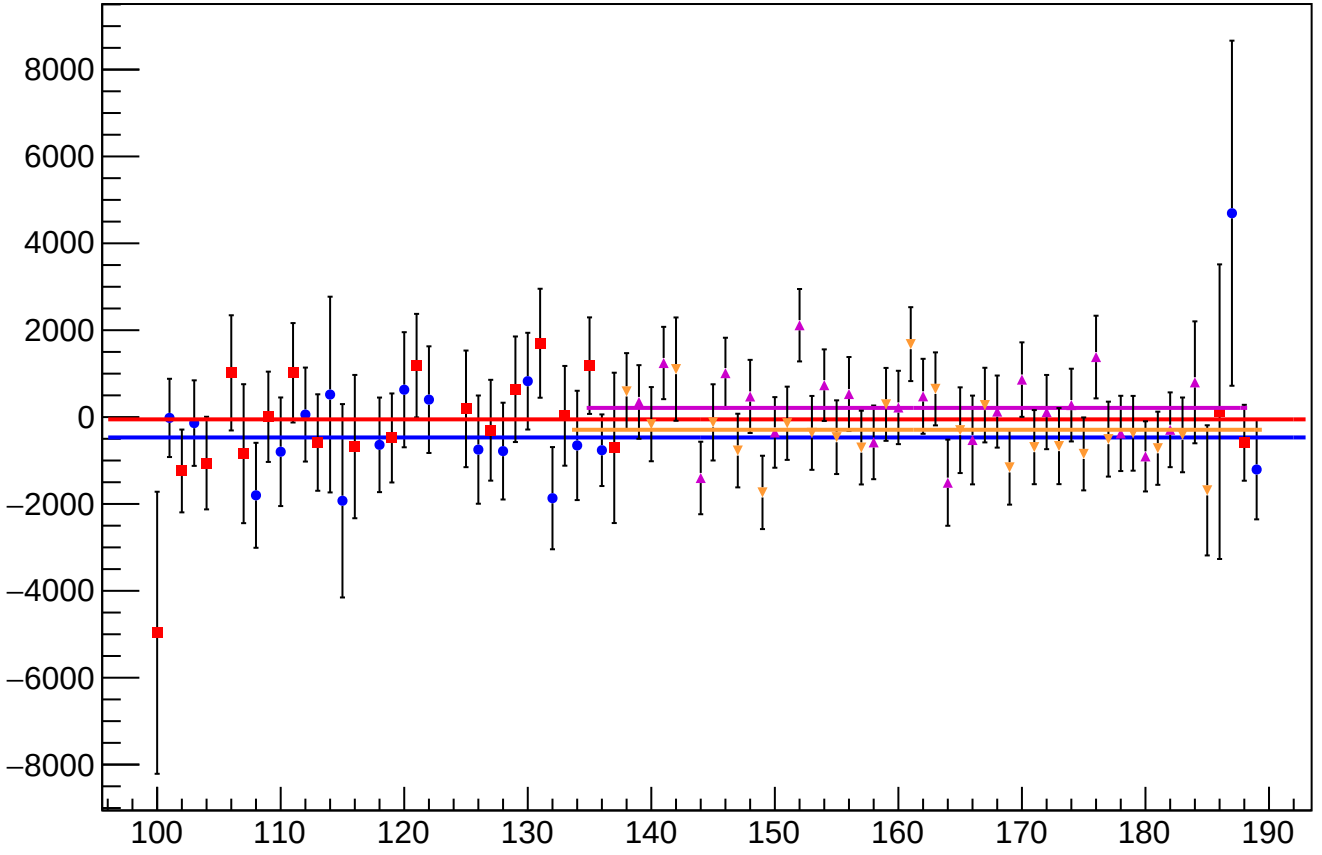
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

+ sign 531.559+/-0.076 χ^2/NDF: 3139225.5/41

All: 533.477+/-0.054 χ^2/NDF: 7116753.4/84

- sign 535.412+/-0.076 χ^2/NDF: 3976232.0/42

overload_cor_asym_us_dd_mean vs Slug



Right In: -468.897+/-279.252 χ^2/NDF: 8.9/17

Left Out: -292.036+/-179.670 χ^2/NDF:16.6/23

Right Out: -52.562+/-272.478 χ^2/NDF: 12.3/19

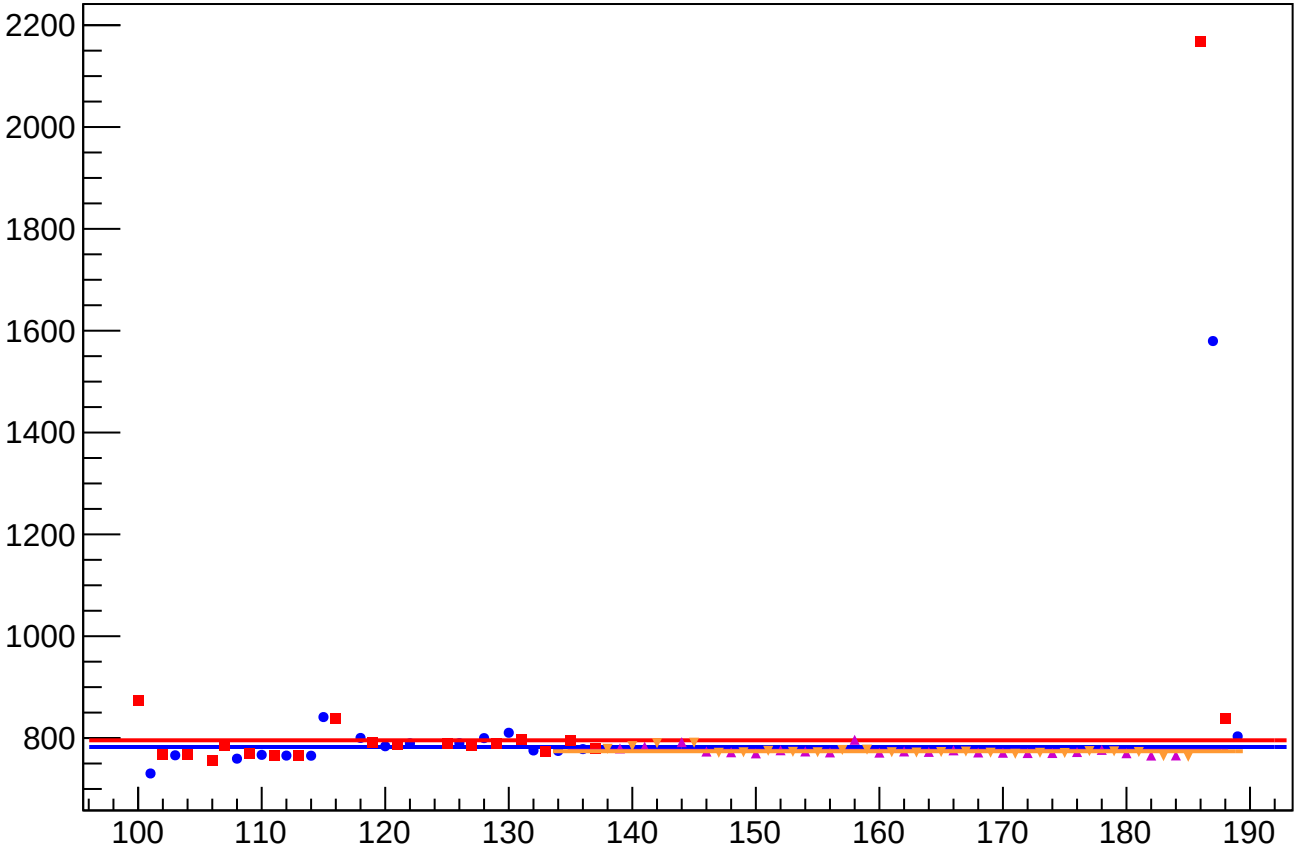
Left In: 211.238+/-180.951 χ^2/NDF:22.1/22

+ sign -343.815+/-151.098 χ^2/NDF: 25.8/41

All: -106.092+/-106.715 χ^2/NDF: 65.7/84

- sign 130.503+/-150.739 χ^2/NDF: 35.0/42

overload_cor_asym_us_dd_rms vs Slug



Right In: 782.441+/-0.197 χ^2/NDF: 94078.8/17

Left Out: 774.142+/-0.127 χ^2/NDF:2060.4/23

Right Out: 795.597+/-0.193 χ^2/NDF: 344651.9/19

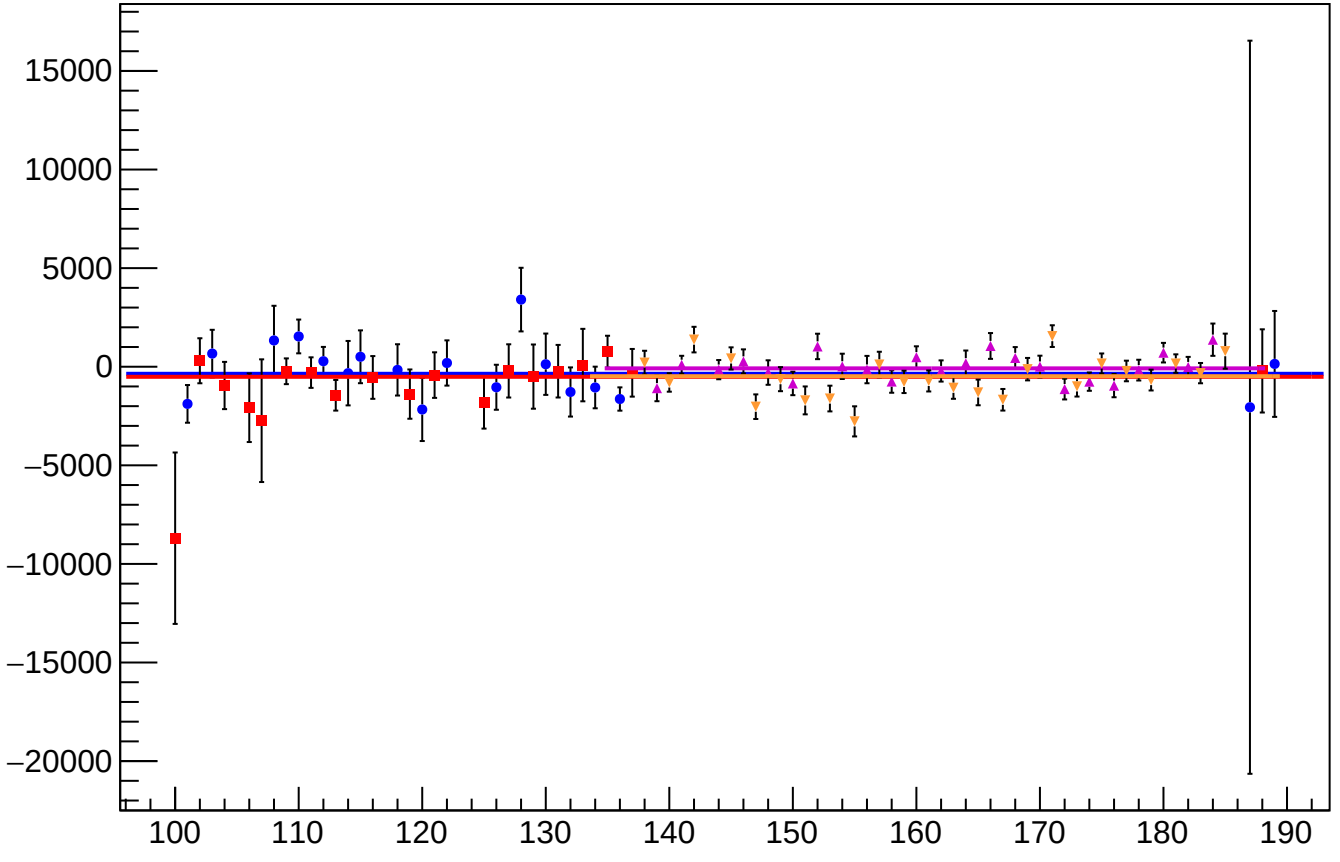
Left In: 774.990+/-0.128 χ^2/NDF:3148.2/22

+ sign 776.571+/-0.107 χ^2/NDF: 97388.6/41

All: 778.939+/-0.075 χ^2/NDF: 454107.0/84

- sign 781.296+/-0.107 χ^2/NDF: 355738.4/42

asym_us_dd_overload_cor_correction_mean vs Slug



Right In: -358.209+/-265.747 χ^2/NDF: 23.4/17

Left Out: -481.314+/-117.092 χ^2/NDF:63.5/23

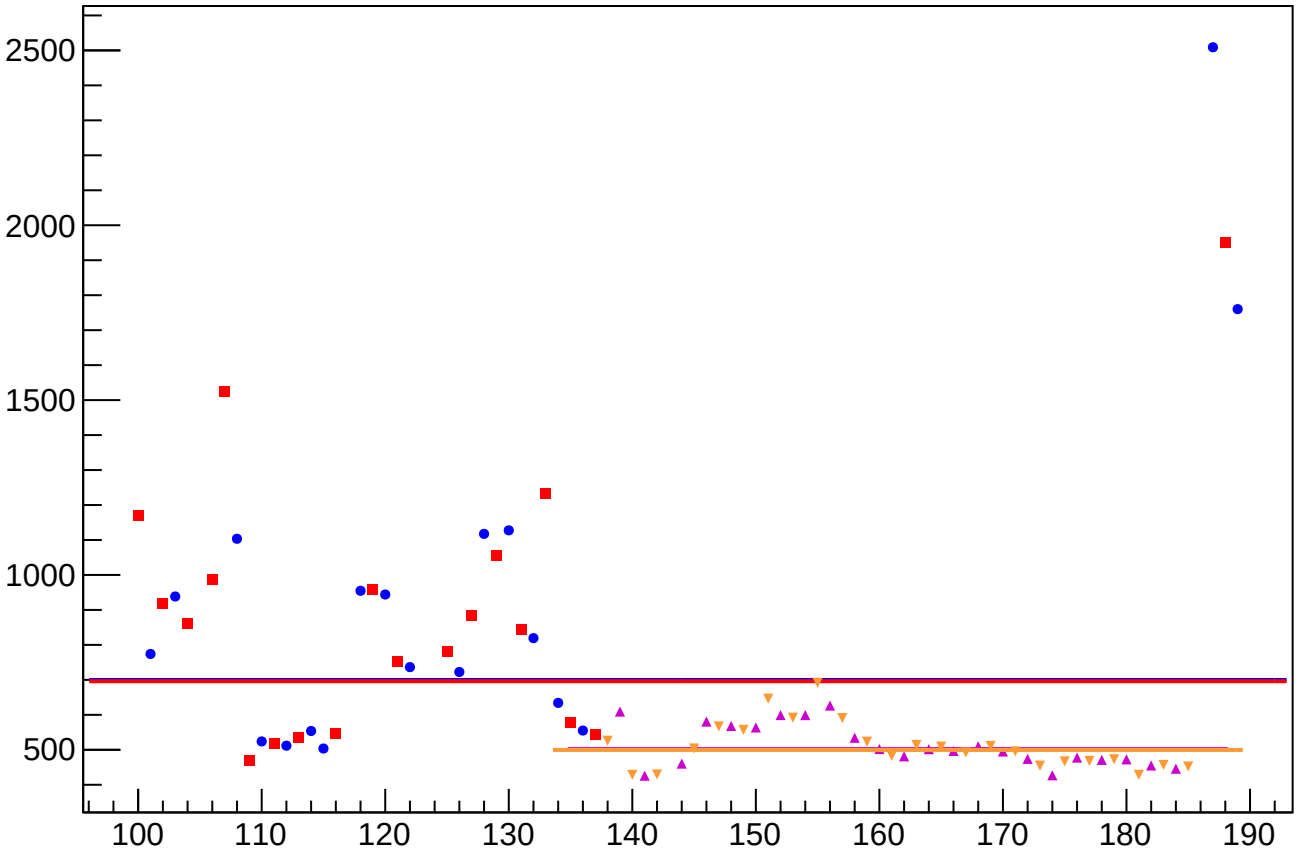
Right Out: -510.647+/-261.275 χ^2/NDF: 11.4/18

Left In: -83.196+/-118.194 χ^2/NDF:28.2/22

+ sign -461.300+/-107.151 χ^2/NDF: 87.1/41

All: -309.318+/-75.956 χ^2/NDF: 133.0/83

- sign -155.811+/-107.688 χ^2/NDF: 41.9/41



Right In: 699.690+/-0.188 χ^2/NDF: 1362224.3/17

Left Out: 499.670+/-0.083 χ^2/NDF:516314.6/23

Right Out: 696.126+/-0.185 χ^2/NDF: 2027319.7/18

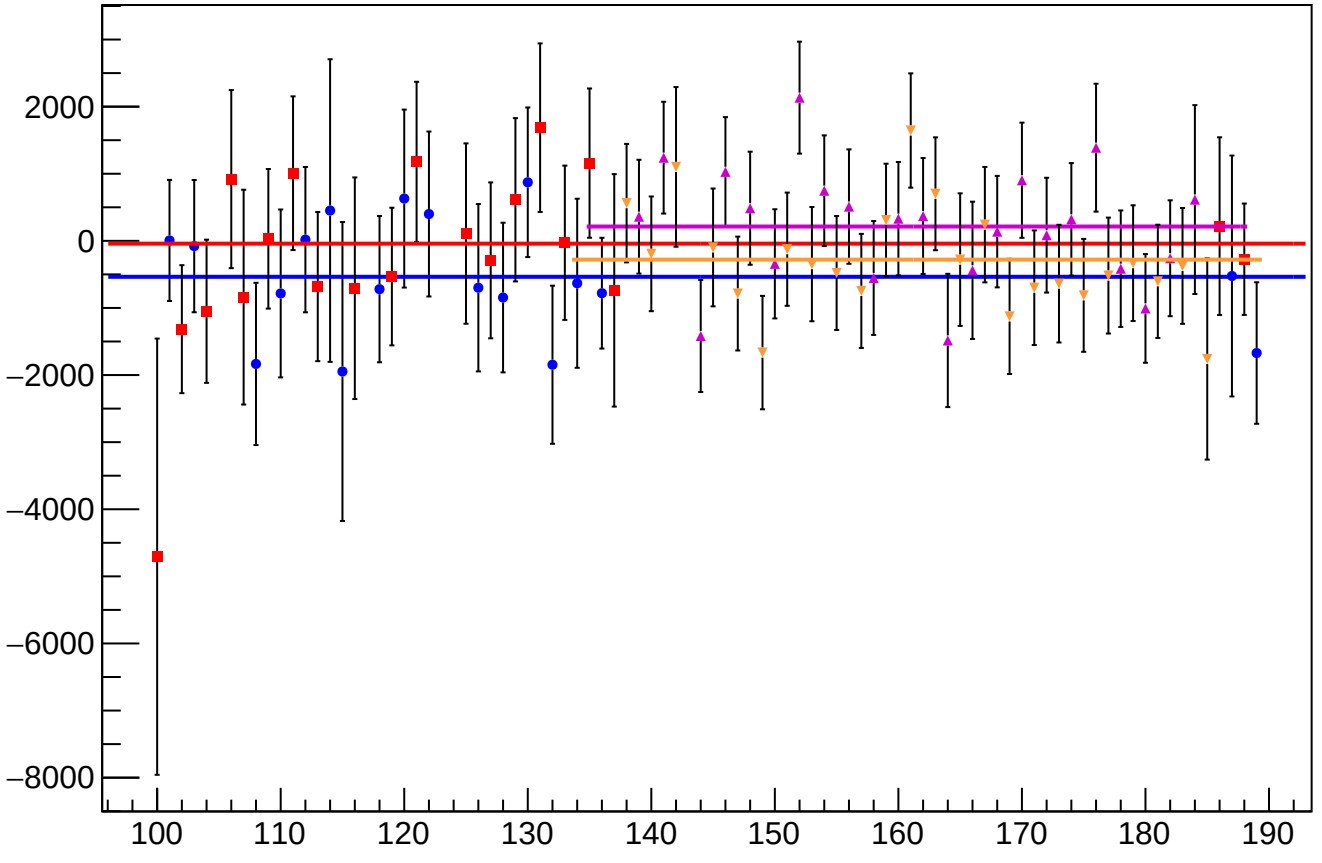
Left In: 502.026+/-0.084 χ^2/NDF:467449.2/22

+ sign 532.189+/-0.076 χ^2/NDF: 2827364.9/41

All: 533.587+/-0.054 χ^2/NDF: 6239097.7/83

- sign 534.999+/-0.076 χ^2/NDF: 3411048.1/41

eigen_cor_asym_us_dd_mean vs Slug



Right In: -535.922+/-275.377 χ^2/NDF: 8.2/17

Left Out: -280.364+/-179.881 χ^2/NDF:16.1/23

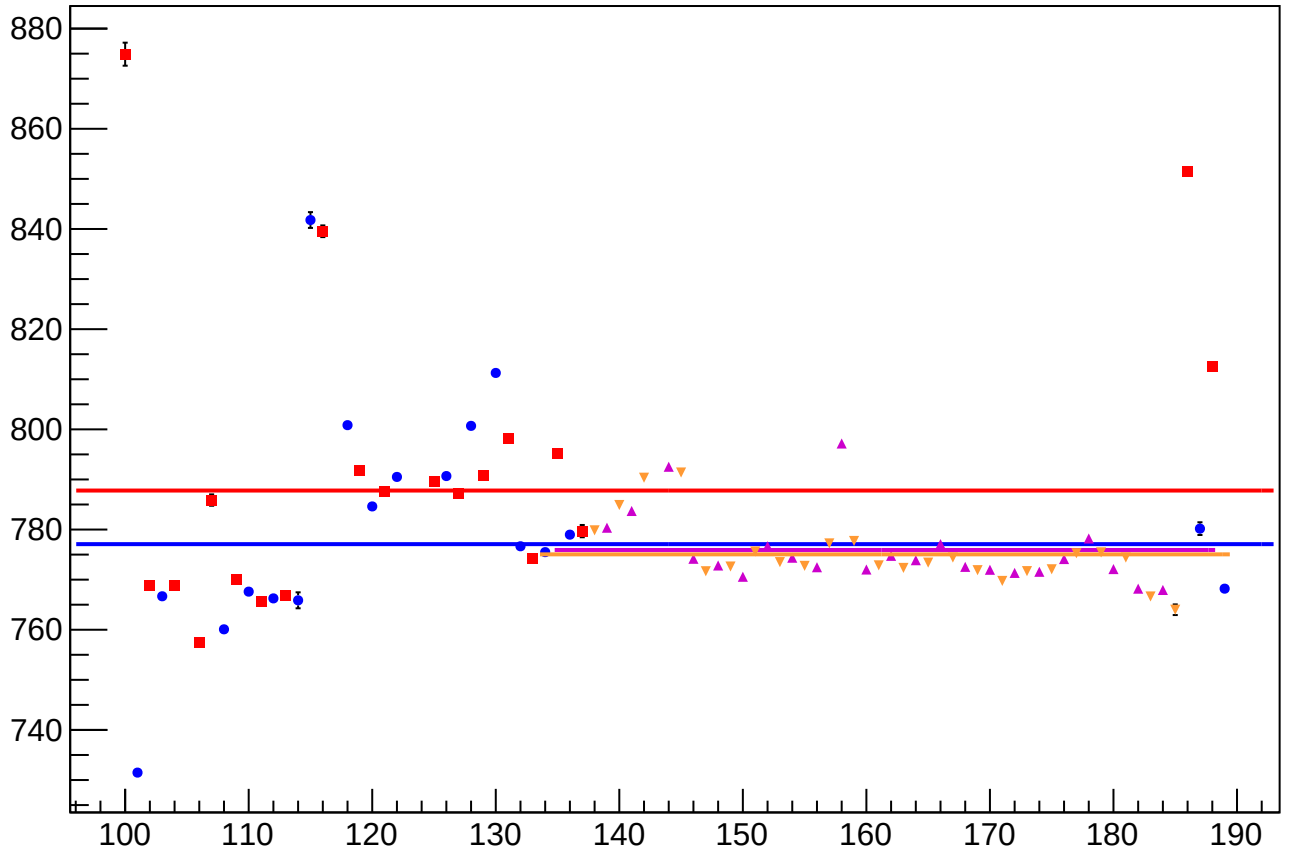
Right Out: -41.732+/-266.571 χ^2/NDF: 11.8/19

Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -356.795+/-150.598 χ^2/NDF: 24.9/41

All: -110.757+/-106.219 χ^2/NDF: 65.0/84

- sign 132.807+/-149.839 χ^2/NDF: 34.8/42



Right In: 777.087+/-0.195 χ^2/NDF: 12211.7/17

Left Out: 775.050+/-0.127 χ^2/NDF:1951.3/23

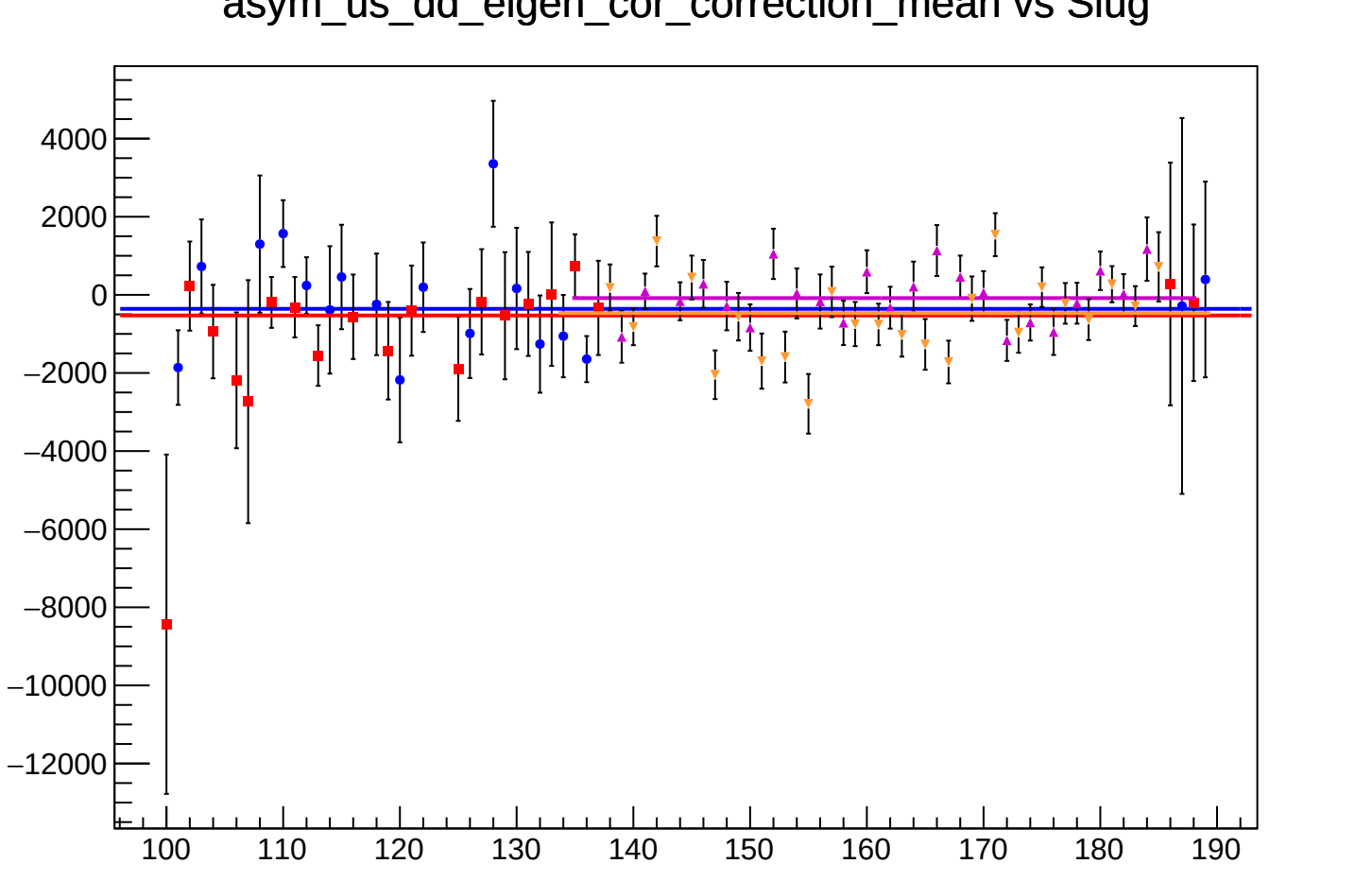
Right Out: 787.787+/-0.188 χ^2/NDF: 14926.1/19

Left In: 775.922+/-0.128 χ^2/NDF:2973.0/22

+ sign 775.659+/-0.106 χ^2/NDF: 14239.7/41

All: 777.675+/-0.075 χ^2/NDF: 35562.6/84

- sign 779.671+/-0.106 χ^2/NDF: 20609.6/42



Right In: -358.267+/-264.799 χ^2/NDF: 23.4/17

Left Out: -467.151+/-116.712 χ^2/NDF:64.4/23

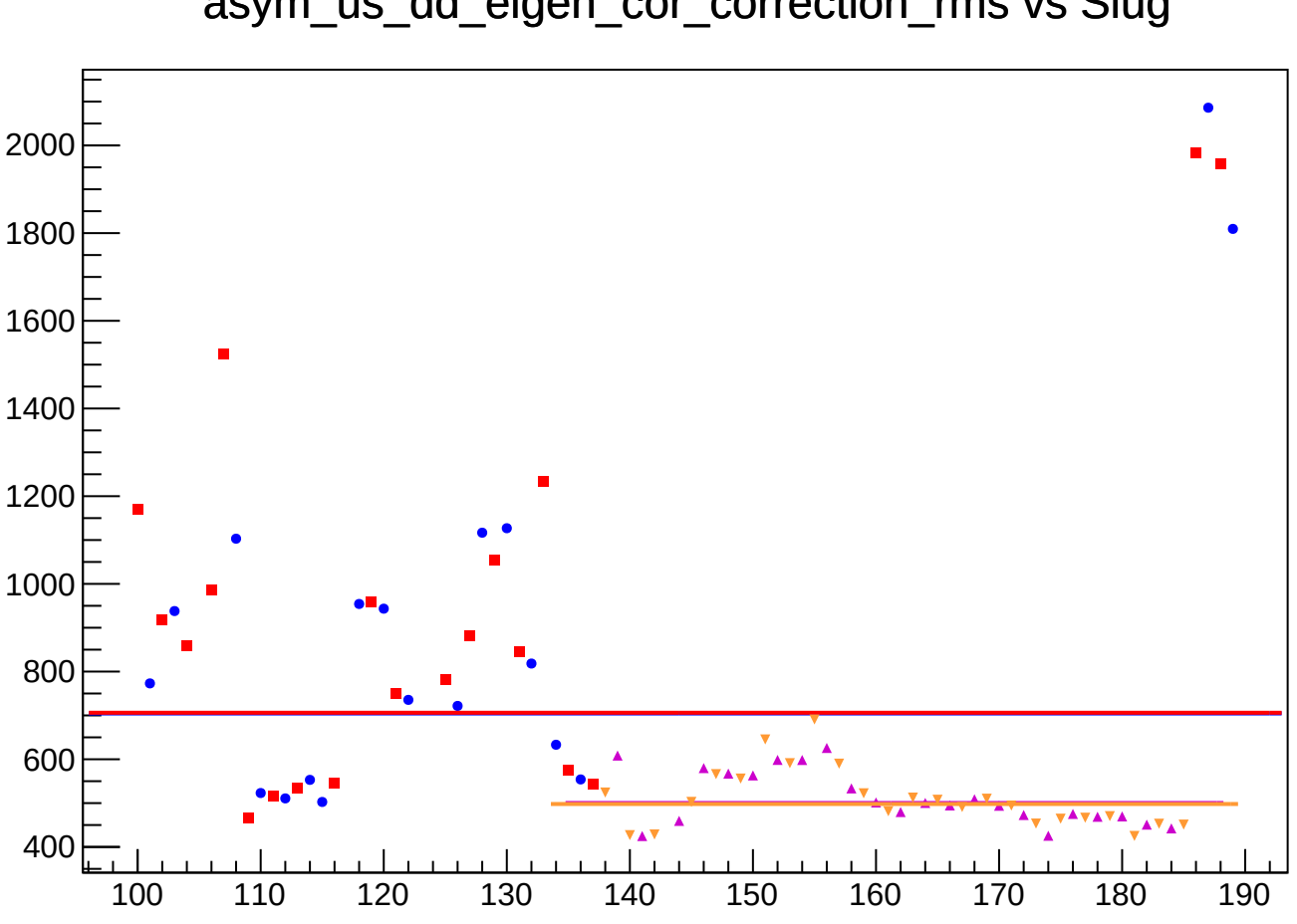
Right Out: -527.521+/-259.761 χ^2/NDF: 11.8/19

Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

\+ sign -449.439+/-106.799 χ^2/NDF: 88.0/41

All: -304.866+/-75.691 χ^2/NDF: 134.0/84

\- sign -158.961+/-107.290 χ^2/NDF: 42.3/42



Right In: 704.478+/-0.187 χ^2/NDF: 1593666.0/17

Left Out: 497.966+/-0.083 χ^2/NDF:526993.3/23

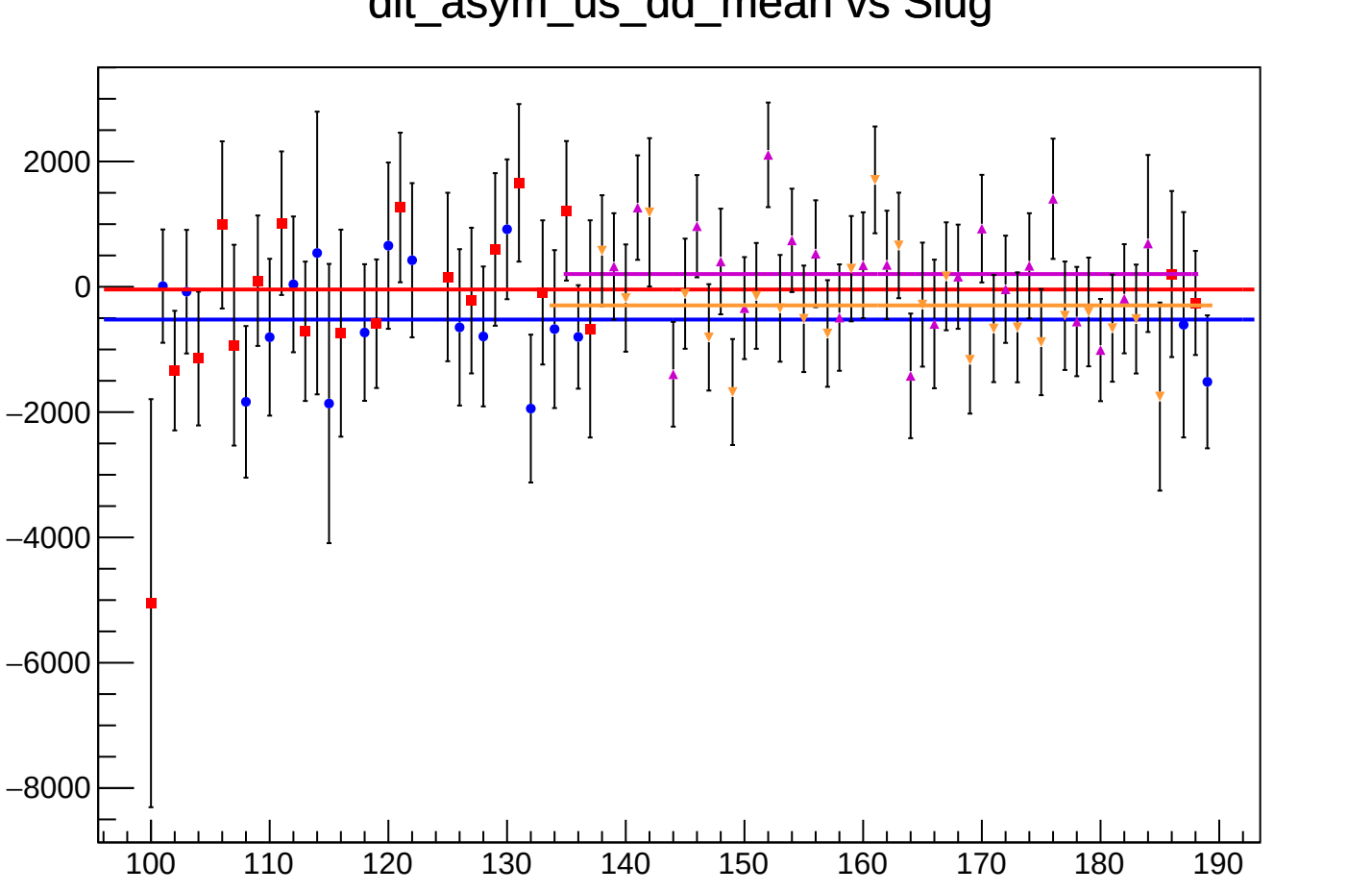
Right Out: 706.088+/-0.184 χ^2/NDF: 2457821.7/19

Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

+ sign 531.559+/-0.076 χ^2/NDF: 3139225.5/41

All: 533.477+/-0.054 χ^2/NDF: 7116753.4/84

- sign 535.412+/-0.076 χ^2/NDF: 3976232.0/42



Right In: -522.634+/-275.758 χ^2/NDF: 8.2/17

Left Out: -296.771+/-180.280 χ^2/NDF:16.7/23

Right Out: -42.970+/-266.850 χ^2/NDF: 12.7/19

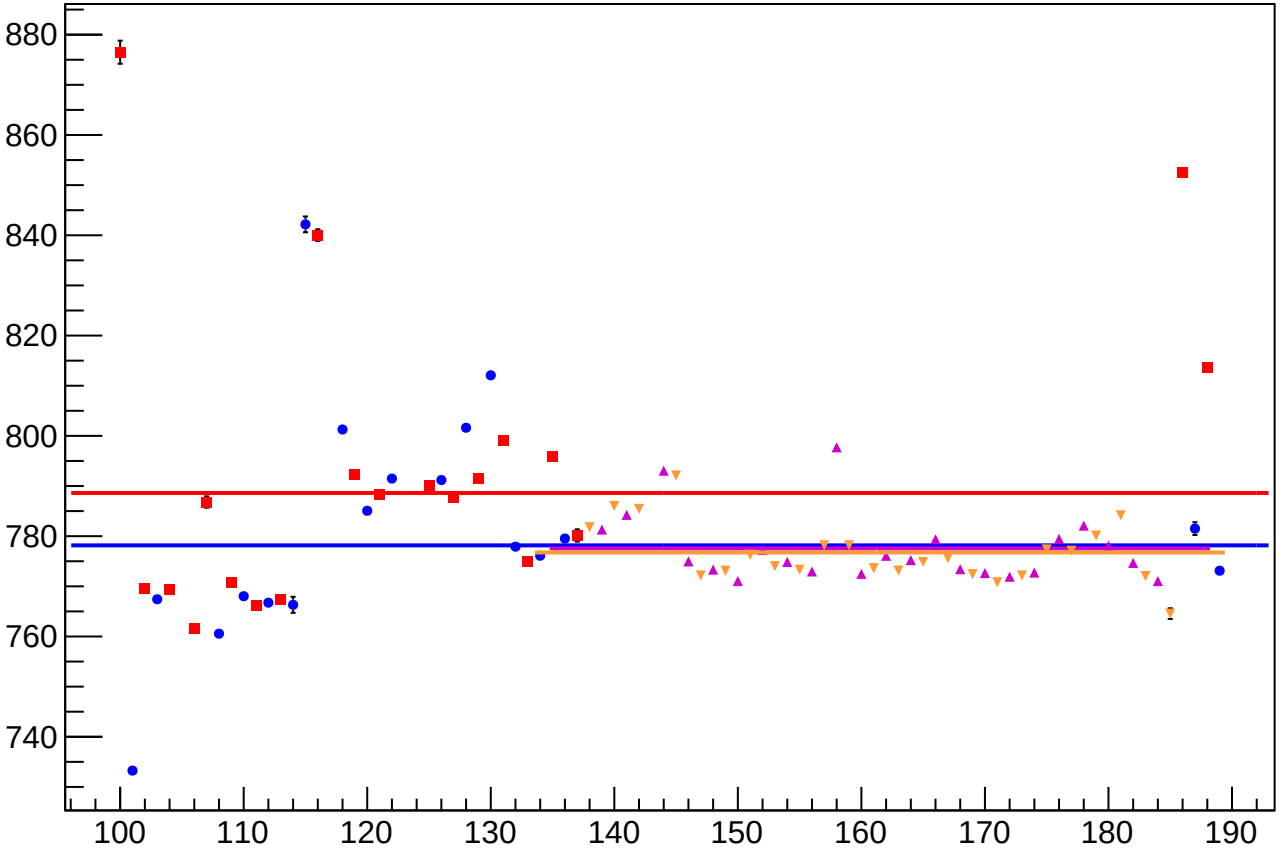
Left In: 203.339+/-181.548 χ^2/NDF:22.1/22

\+ sign -364.401+/-150.895 χ^2/NDF: 25.4/41

All: -118.210+/-106.418 χ^2/NDF: 66.1/84

\- sign 125.405+/-150.103 χ^2/NDF: 35.4/42

dit_asym_us_dd_rms vs Slug



Right In: 778.167+/-0.195 χ^2/NDF: 11849.5/17

Left Out: 776.751+/-0.127 χ^2/NDF:1826.3/23

Right Out: 788.619+/-0.189 χ^2/NDF: 14822.6/19

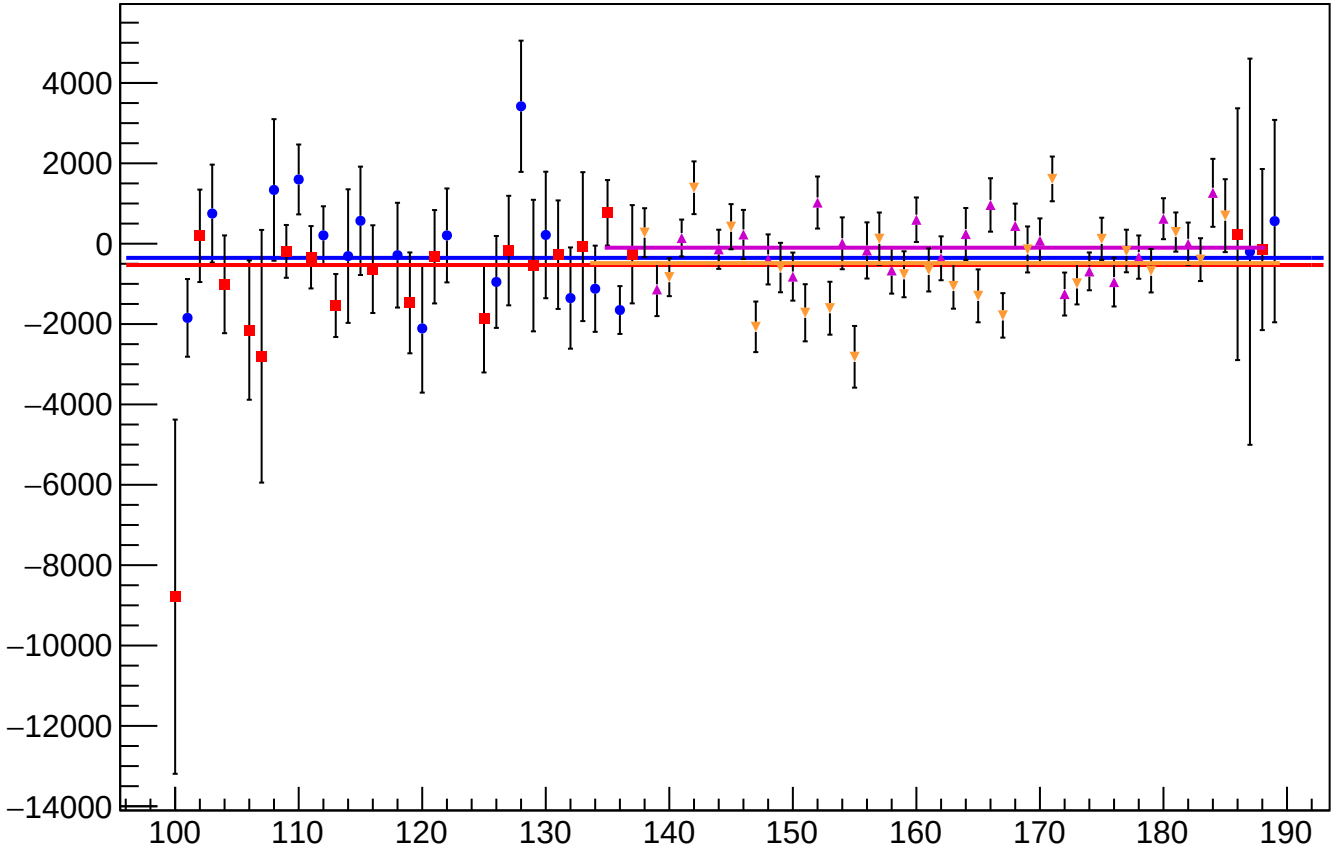
Left In: 777.550+/-0.128 χ^2/NDF:2750.7/22

+ sign 777.175+/-0.107 χ^2/NDF: 13712.8/41

All: 779.124+/-0.075 χ^2/NDF: 34302.2/84

- sign 781.052+/-0.106 χ^2/NDF: 19925.7/42

asym_us_dd_dit_correction_mean vs Slug



Right In: -353.030+/-267.374 χ^2/NDF: 23.4/17

Left Out: -482.886+/-118.805 χ^2/NDF:65.1/23

Right Out: -530.643+/-262.059 χ^2/NDF: 11.9/19

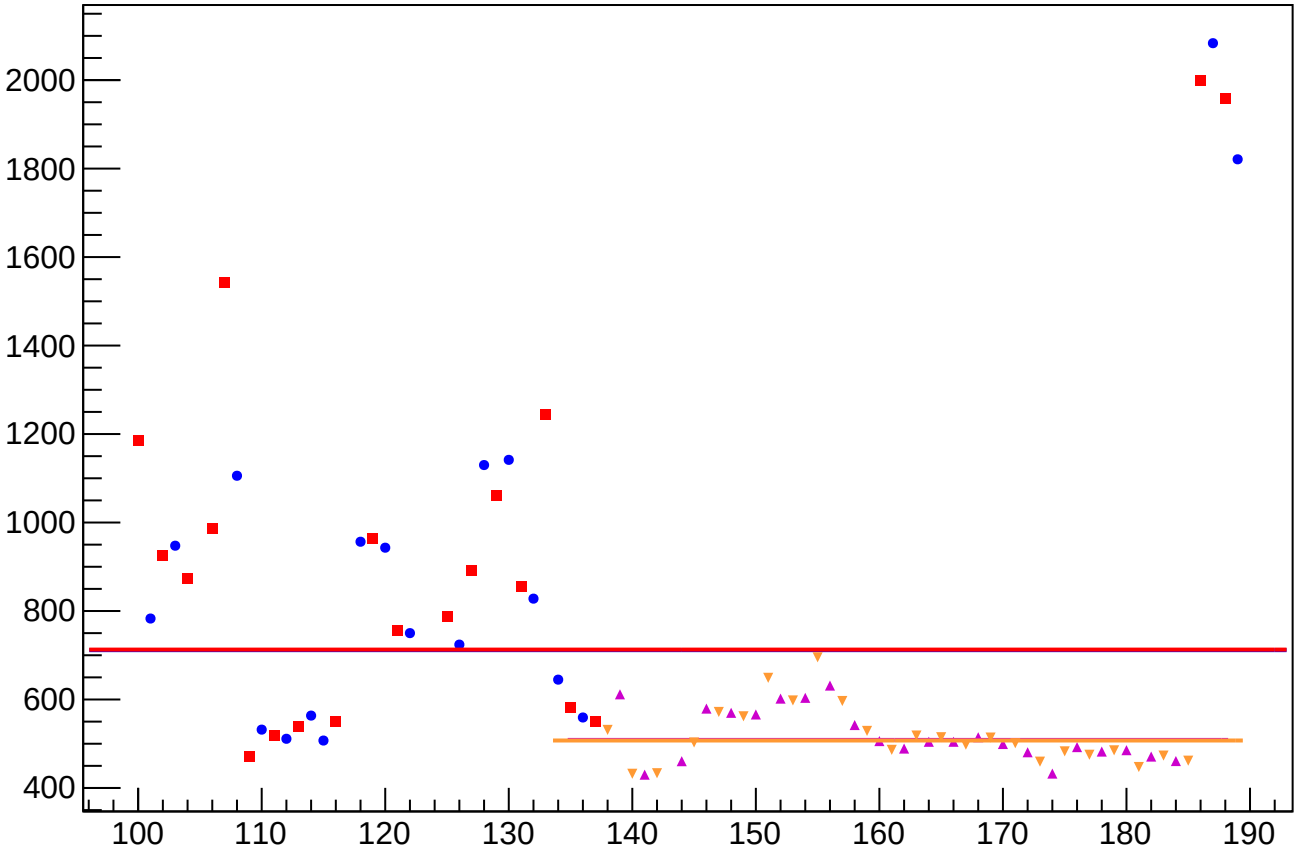
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

+ sign -461.475+/-108.570 χ^2/NDF: 88.7/41

All: -318.274+/-76.874 χ^2/NDF: 133.8/84

- sign -174.302+/-108.862 χ^2/NDF: 41.5/42

asym_us_dd_dit_correction_rms vs Slug



Right In: 711.522+/-0.189 χ^2/NDF: 1589121.9/17

Left Out: 507.319+/-0.084 χ^2/NDF:473982.3/23

Right Out: 712.781+/-0.185 χ^2/NDF: 2448198.2/19

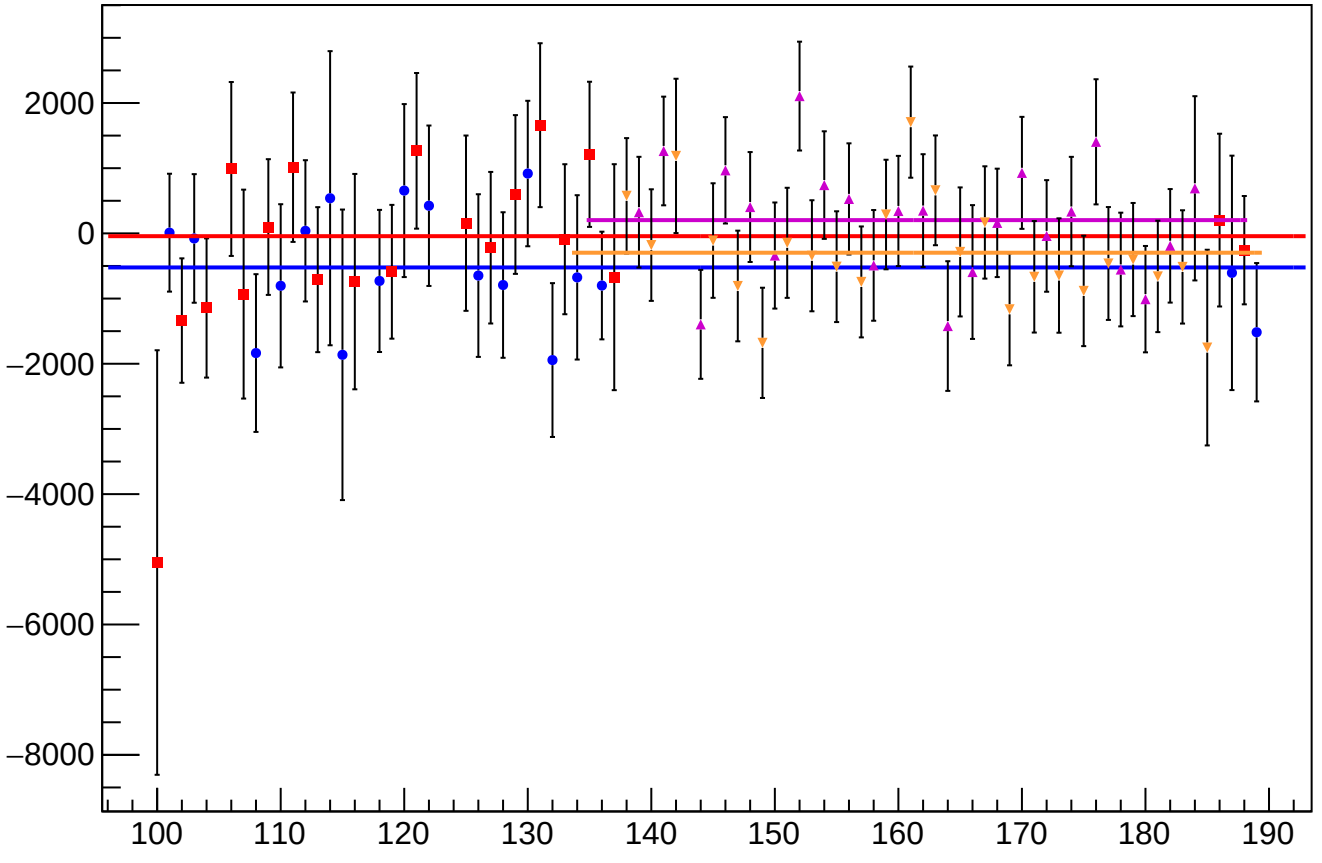
Left In: 508.638+/-0.085 χ^2/NDF:432447.1/22

+ sign 540.989+/-0.077 χ^2/NDF: 3037342.2/41

All: 542.424+/-0.054 χ^2/NDF: 6922915.3/84

- sign 543.866+/-0.077 χ^2/NDF: 3884872.7/42

eigen_dit_asym_us_dd_mean vs Slug



Right In: -522.635+/-275.758 χ^2/NDF: 8.2/17

Left Out: -296.771+/-180.280 χ^2/NDF:16.7/23

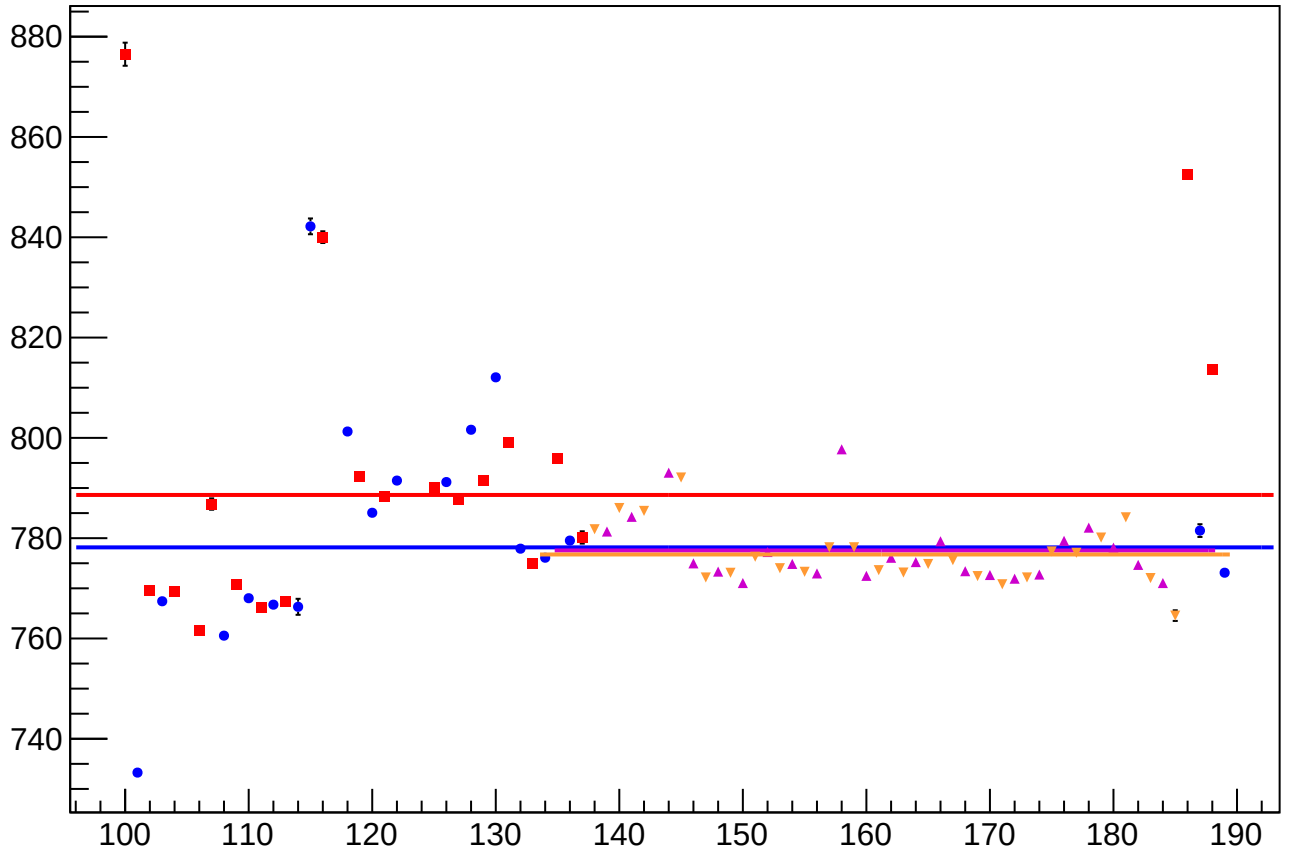
Right Out: -42.969+/-266.850 χ^2/NDF: 12.7/19

Left In: 203.338+/-181.548 χ^2/NDF:22.1/22

+ sign -364.401+/-150.895 χ^2/NDF: 25.4/41

All: -118.210+/-106.418 χ^2/NDF: 66.1/84

- sign 125.405+/-150.103 χ^2/NDF: 35.4/42



Right In: 778.167+/-0.195 χ^2/NDF: 11849.4/17

Left Out: 776.751+/-0.127 χ^2/NDF:1826.3/23

Right Out: 788.619+/-0.189 χ^2/NDF: 14822.6/19

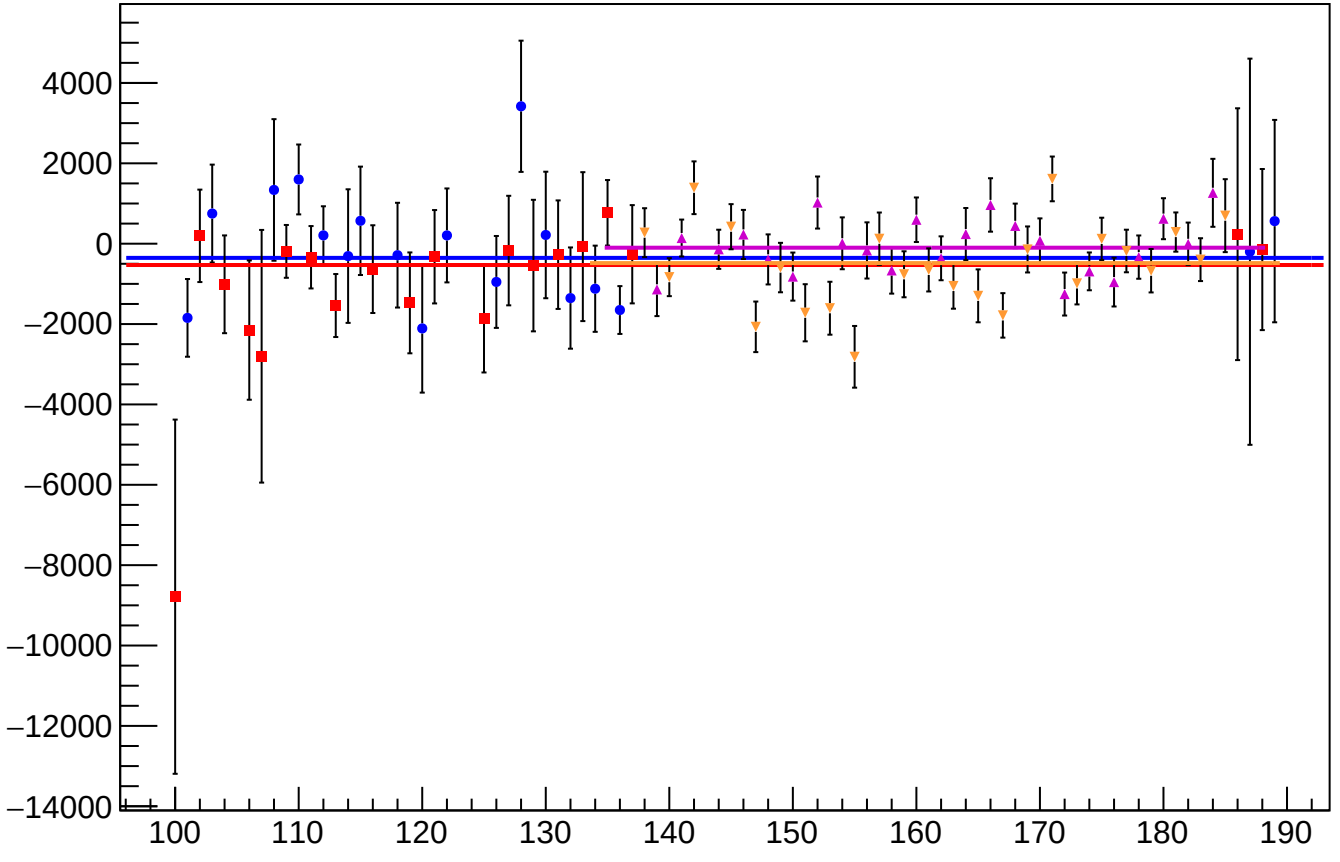
Left In: 777.550+/-0.128 χ^2/NDF:2750.7/22

+ sign 777.175+/-0.107 χ^2/NDF: 13712.7/41

All: 779.124+/-0.075 χ^2/NDF: 34302.1/84

- sign 781.052+/-0.106 χ^2/NDF: 19925.7/42

asym_us_dd_eigen_dit_correction_mean vs Slug



Right In: -353.026+/-267.372 χ^2/NDF: 23.4/17

Left Out: -482.886+/-118.806 χ^2/NDF:65.1/23

Right Out: -530.642+/-262.058 χ^2/NDF: 11.9/19

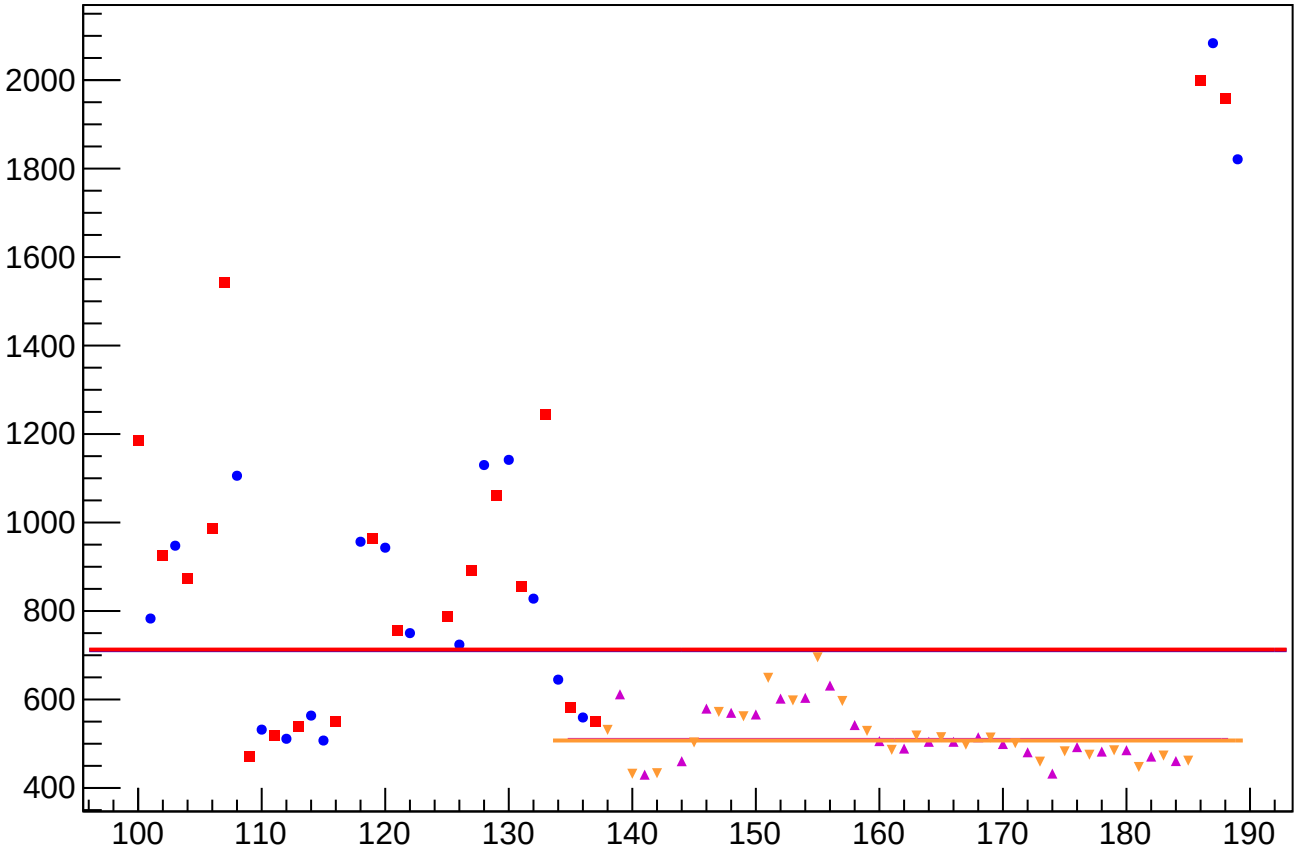
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

+ sign -461.474+/-108.570 χ^2/NDF: 88.7/41

All: -318.274+/-76.874 χ^2/NDF: 133.8/84

- sign -174.302+/-108.862 χ^2/NDF: 41.5/42

asym_us_dd_eigen_dit_correction_rms vs Slug



Right In: 711.519+/-0.189 χ^2/NDF: 1589136.6/17

Left Out: 507.319+/-0.084 χ^2/NDF:473992.3/23

Right Out: 712.777+/-0.185 χ^2/NDF: 2448221.6/19

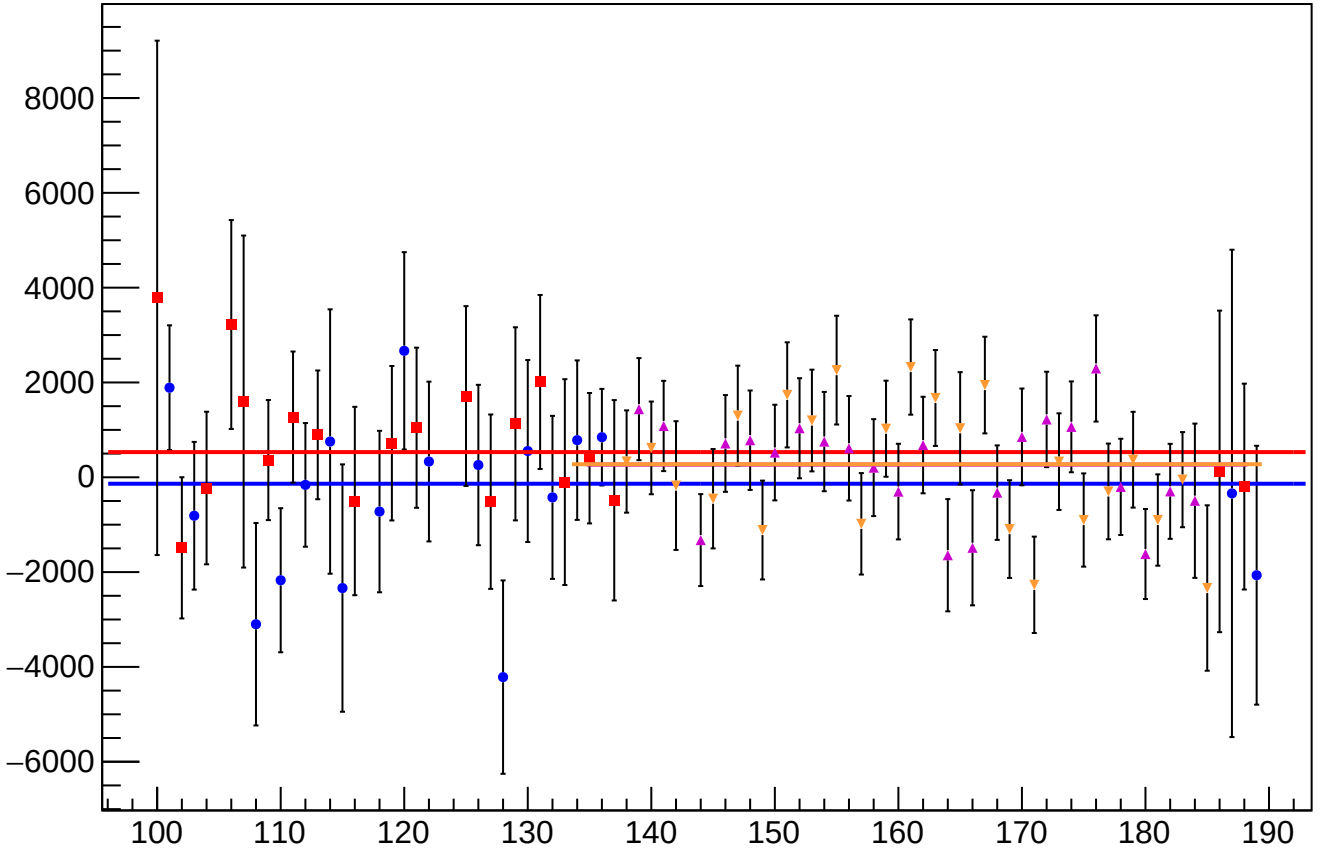
Left In: 508.638+/-0.085 χ^2/NDF:432461.7/22

+ sign 540.989+/-0.077 χ^2/NDF: 3037337.9/41

All: 542.423+/-0.054 χ^2/NDF: 6922922.6/84

- sign 543.866+/-0.077 χ^2/NDF: 3884884.4/42

asym_us_dd_mean vs Slug



Right In: -136.096+/-404.158 χ^2/NDF: 15.0/17

Left Out: 275.181+/-216.290 χ^2/NDF:33.6/23

Right Out: 531.160+/-401.519 χ^2/NDF: 6.7/19

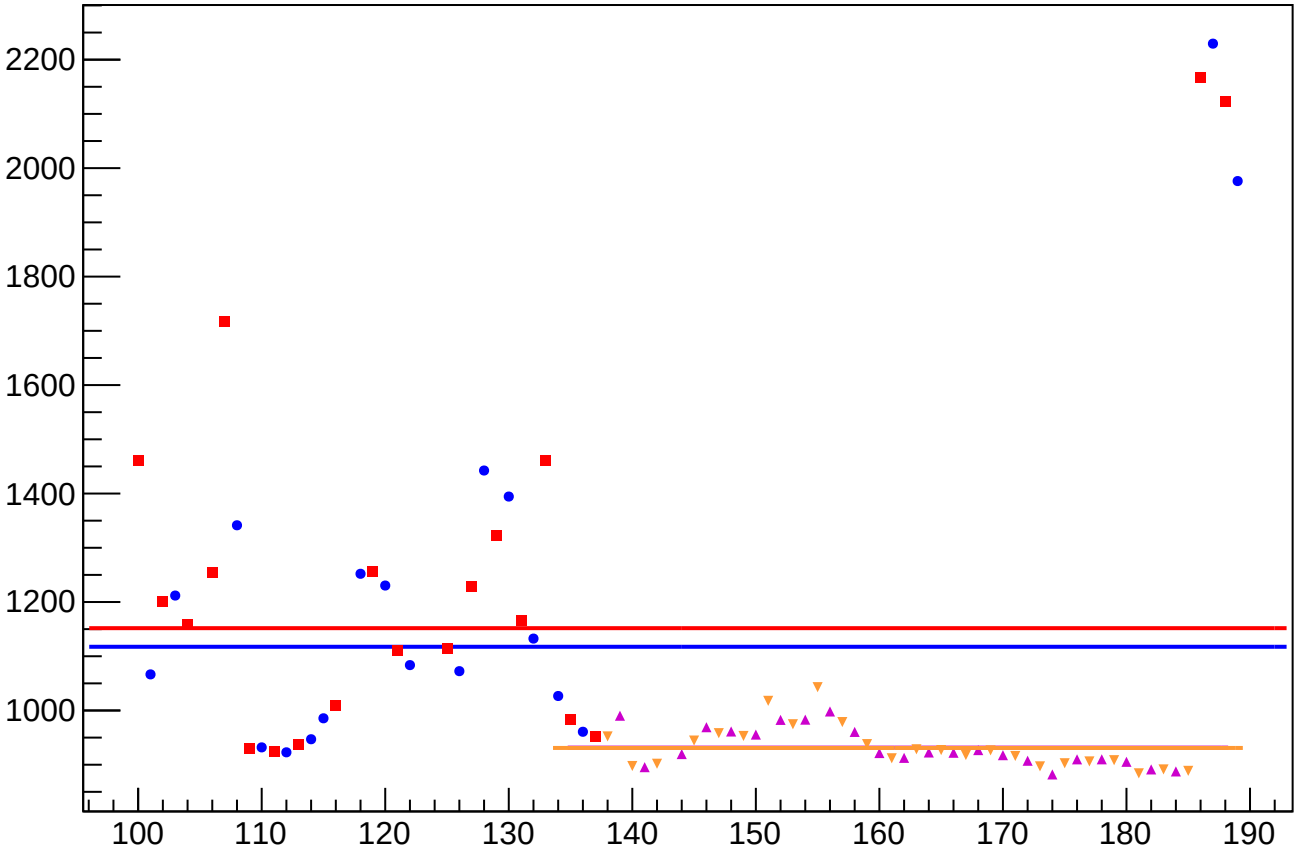
Left In: 267.059+/-217.685 χ^2/NDF:21.4/22

\+ sign 183.616+/-190.699 χ^2/NDF: 49.5/41

All: 255.083+/-135.081 χ^2/NDF: 78.1/84

\- sign 327.053+/-191.370 χ^2/NDF: 28.4/42

asym_us_dd_rms vs Slug



Right In: 1117.470+/-0.286 χ^2/NDF: 577014.7/17

Left Out: 930.922+/-0.153 χ^2/NDF:61953.0/23

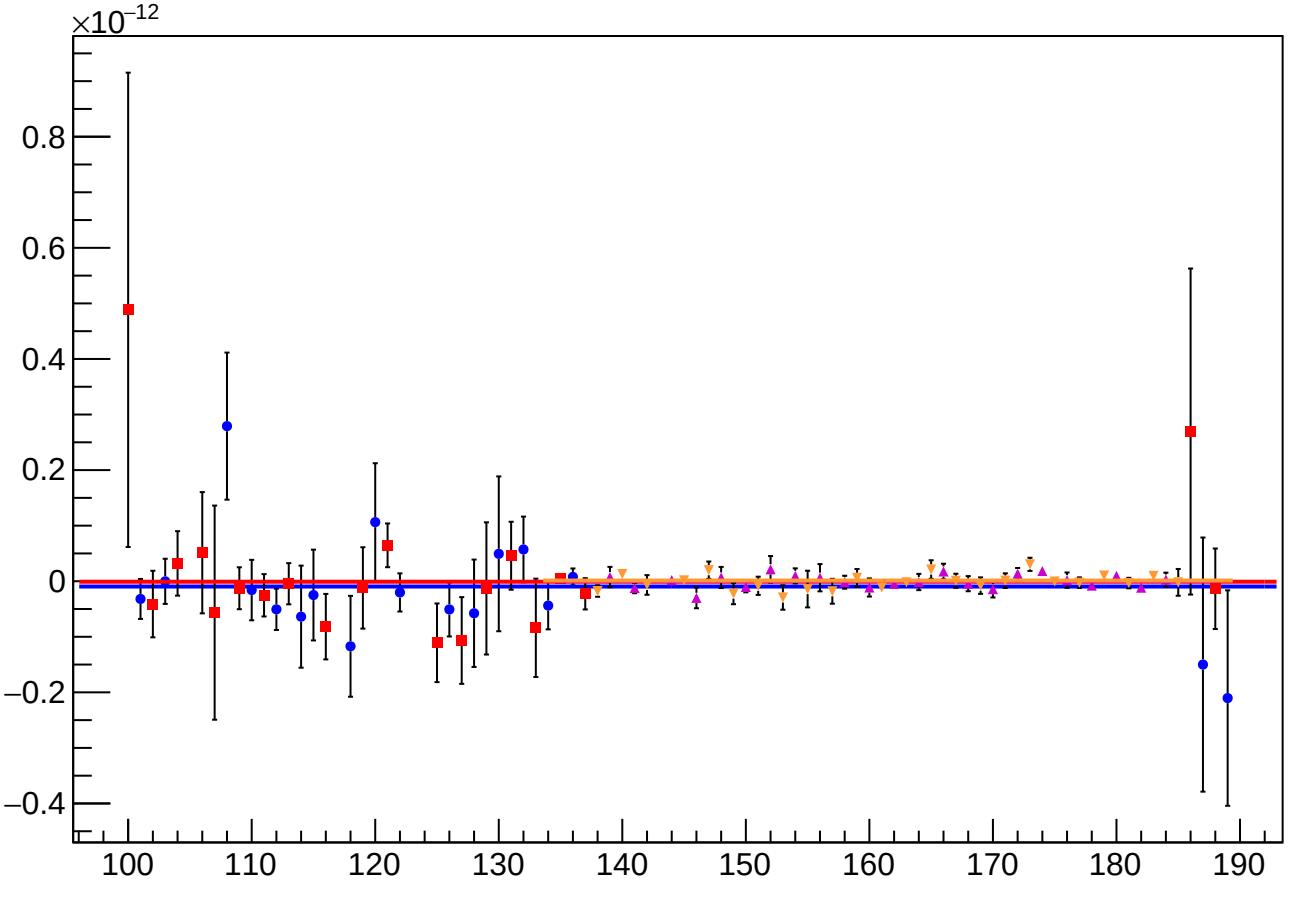
Right Out: 1151.787+/-0.284 χ^2/NDF: 936466.1/19

Left In: 931.562+/-0.154 χ^2/NDF:48916.1/22

+ sign 972.454+/-0.135 χ^2/NDF: 970200.3/41

All: 977.005+/-0.096 χ^2/NDF: 2422853.8/84

- sign 981.589+/-0.135 χ^2/NDF: 1450367.3/42



Right In: -0.000+/-0.000 χ^2/NDF: 15.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:25.7/23

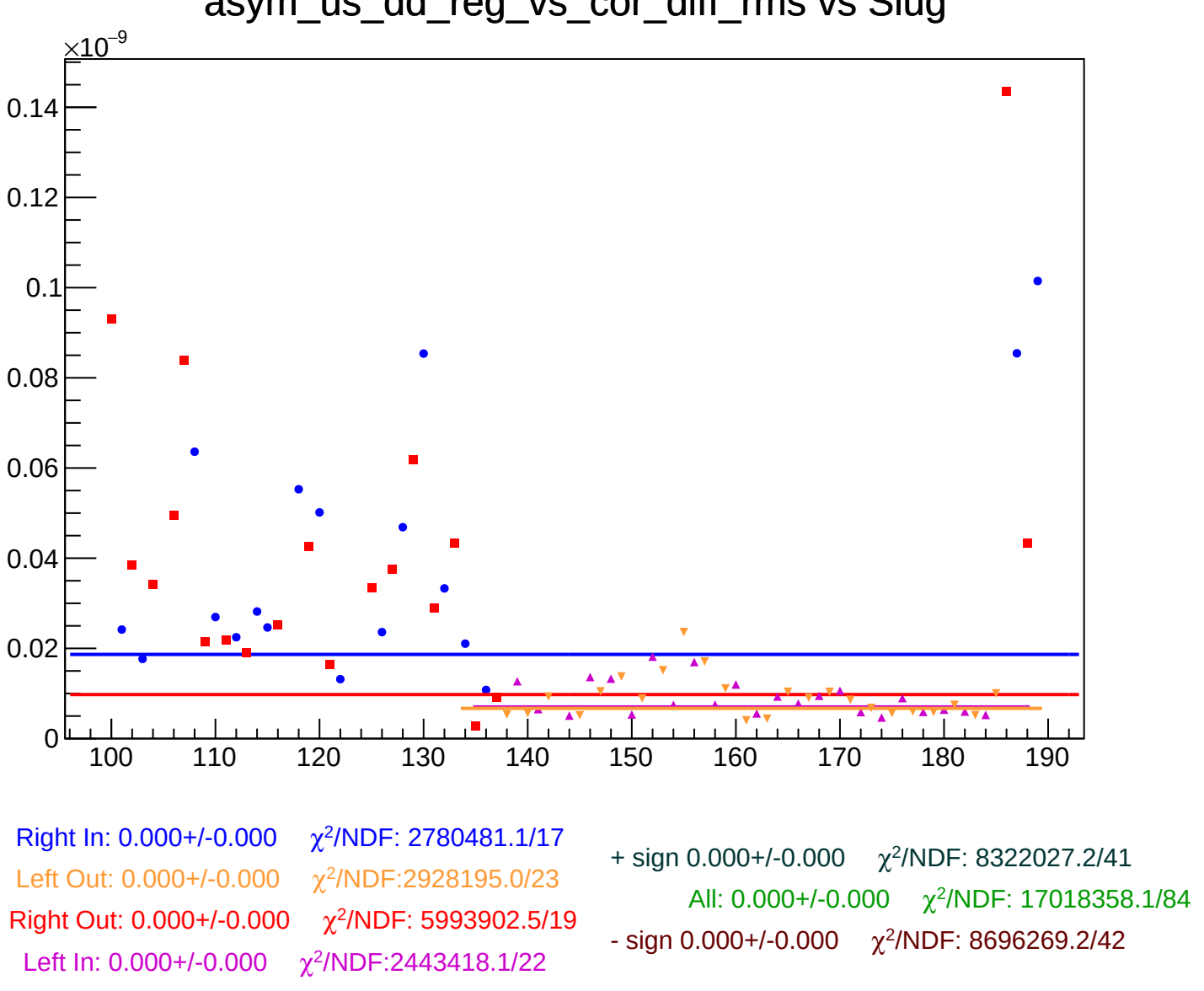
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/19

Left In: 0.000+/-0.000 χ^2/NDF:22.1/22

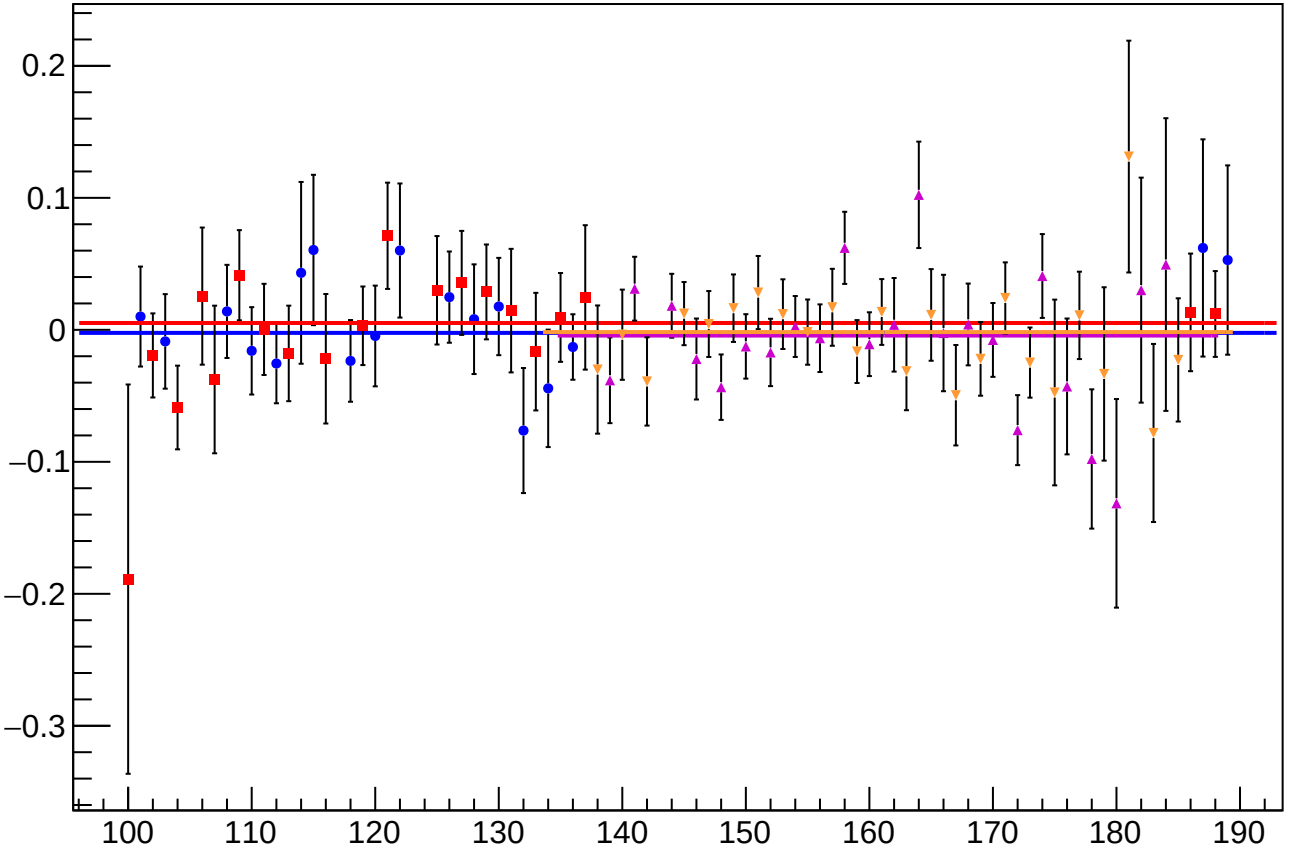
+ sign 0.000+/-0.000 χ^2/NDF: 42.1/41

All: 0.000+/-0.000 χ^2/NDF: 79.4/84

- sign 0.000+/-0.000 χ^2/NDF: 37.3/42


asym_us_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2780481.1/17
Left Out: 0.000+/-0.000 χ²/NDF:2928195.0/23
Right Out: 0.000+/-0.000 χ²/NDF: 5993902.5/19
Left In: 0.000+/-0.000 χ²/NDF:2443418.1/22
+ sign 0.000+/-0.000 χ²/NDF: 8322027.2/41
All: 0.000+/-0.000 χ²/NDF: 17018358.1/84
- sign 0.000+/-0.000 χ²/NDF: 8696269.2/42

asym_us_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.009 χ^2/NDF: 10.4/17

Left Out: -0.002+/-0.006 χ^2/NDF:14.6/23

Right Out: 0.005+/-0.009 χ^2/NDF: 13.6/19

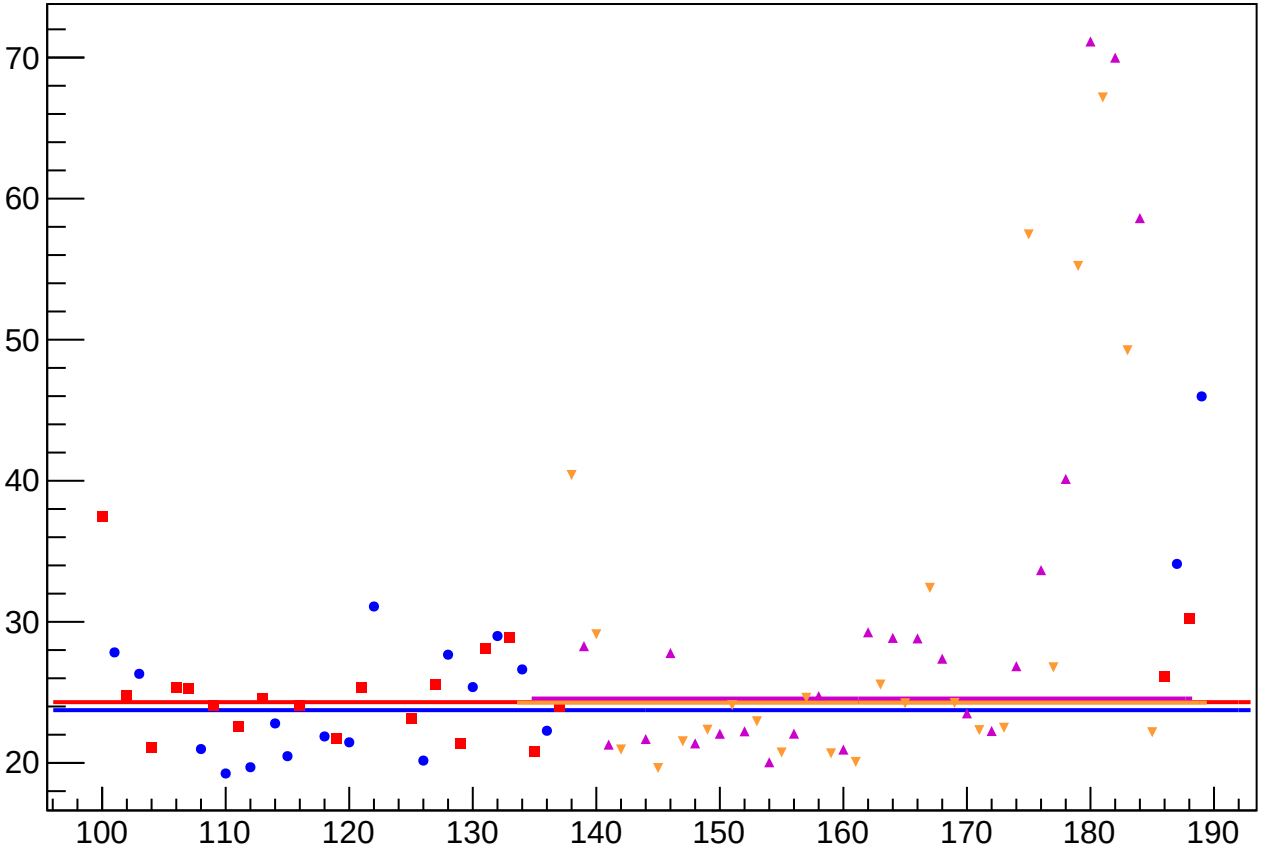
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.002+/-0.005 χ^2/NDF: 25.1/41

All: -0.001+/-0.004 χ^2/NDF: 76.0/84

- sign -0.001+/-0.005 χ^2/NDF: 50.9/42

asym_us_dd_dit_vs_cor_diff_rms vs Slug



Right In: 23.740+/-0.006 χ^2/NDF: 489196.4/17

Left Out: 24.275+/-0.004 χ^2/NDF:2310679.0/23

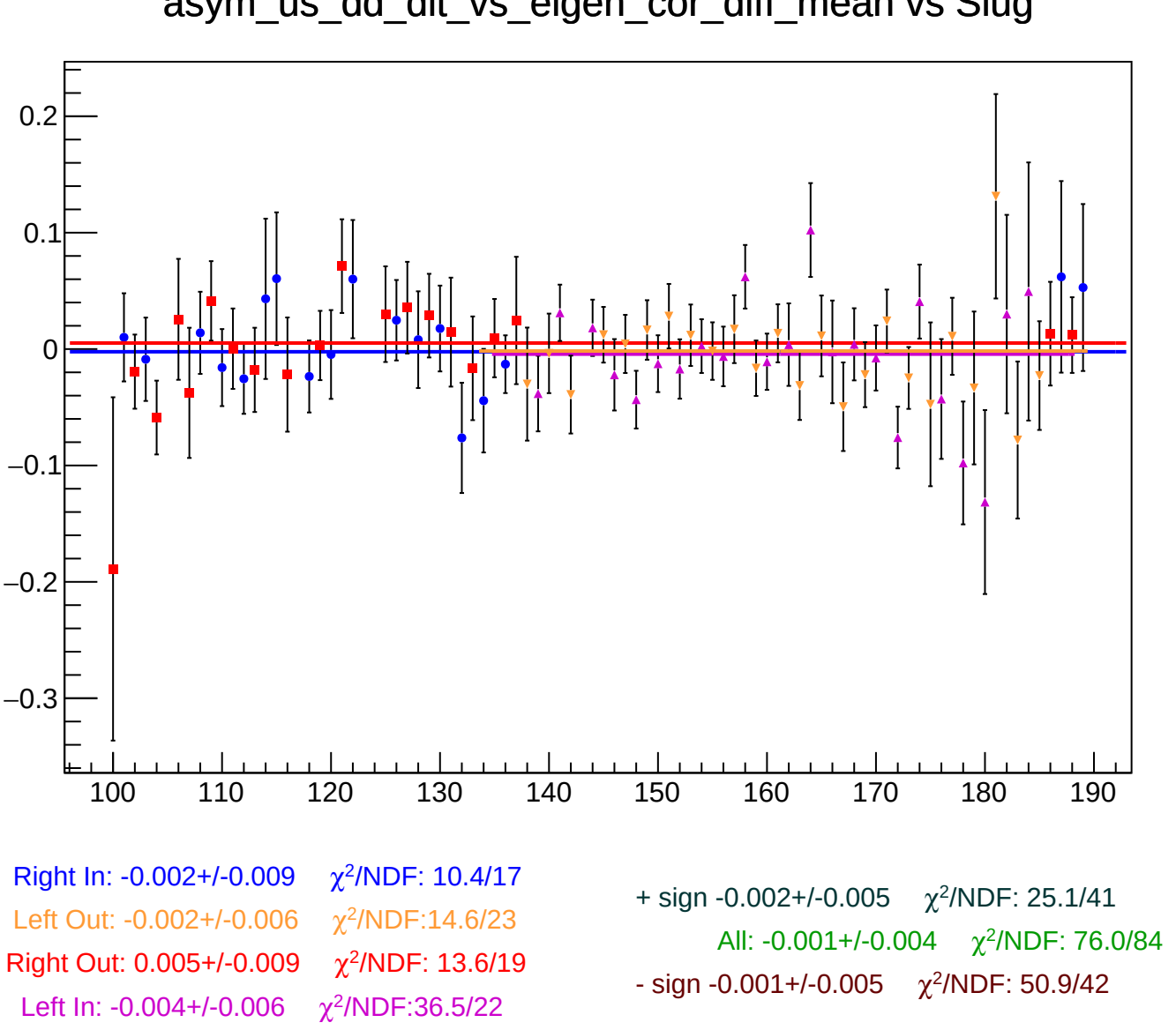
Right Out: 24.308+/-0.006 χ^2/NDF: 203774.1/19

Left In: 24.565+/-0.005 χ^2/NDF:2132914.4/22

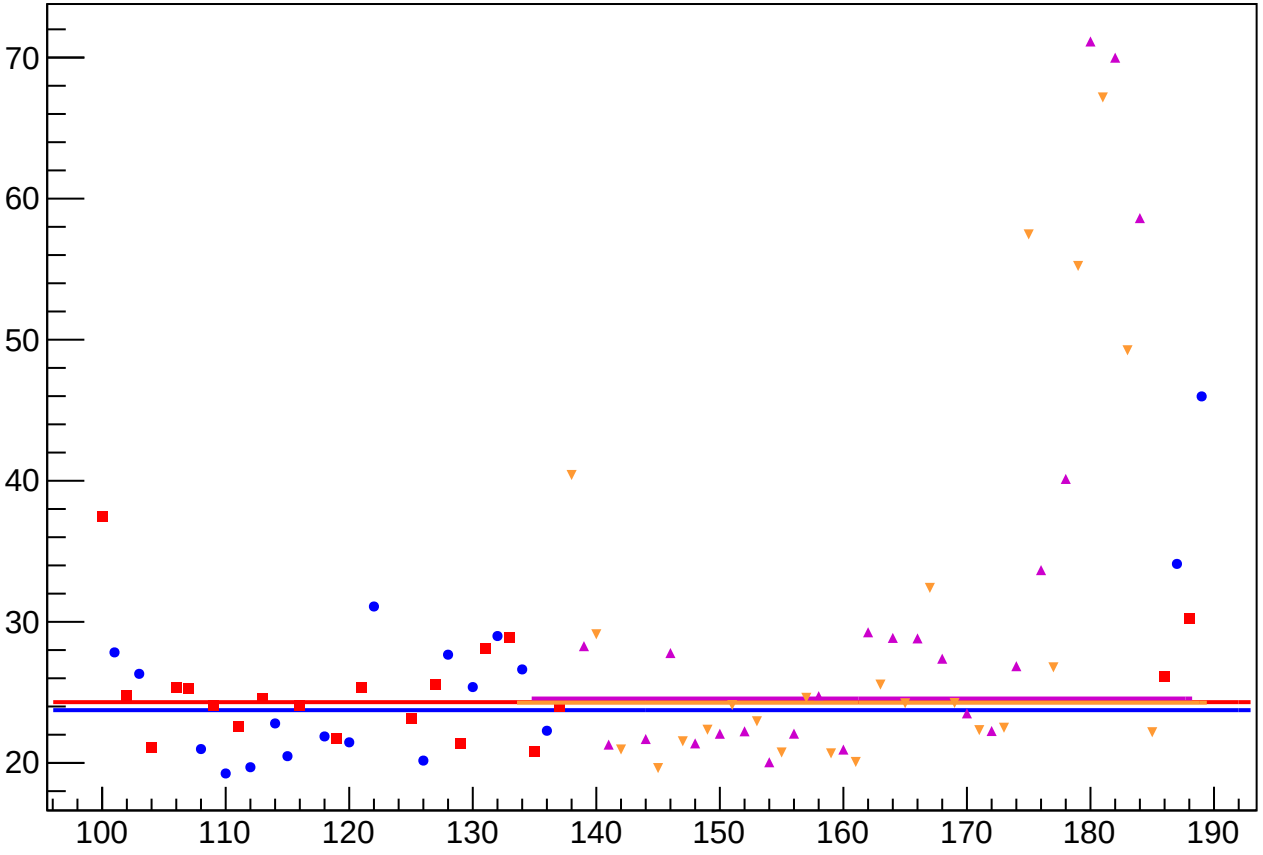
\+ sign 24.101+/-0.004 χ^2/NDF: 2804500.6/41

All: 24.290+/-0.003 χ^2/NDF: 5147539.7/84

\- sign 24.476+/-0.004 χ^2/NDF: 2337805.5/42


asym_us_dd_dit_vs_eigen_cor_diff_mean vs Slug
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
170
180
190
Right In: -0.002+/-0.009 χ²/NDF: 10.4/17
Left Out: -0.002+/-0.006 χ²/NDF:14.6/23
Right Out: 0.005+/-0.009 χ²/NDF: 13.6/19
Left In: -0.004+/-0.006 χ²/NDF:36.5/22
+ sign -0.002+/-0.005 χ²/NDF: 25.1/41
All: -0.001+/-0.004 χ²/NDF: 76.0/84
- sign -0.001+/-0.005 χ²/NDF: 50.9/42

asym_us_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.740+/-0.006 χ^2/NDF: 489196.4/17

Left Out: 24.275+/-0.004 χ^2/NDF:2310679.0/23

Right Out: 24.308+/-0.006 χ^2/NDF: 203774.1/19

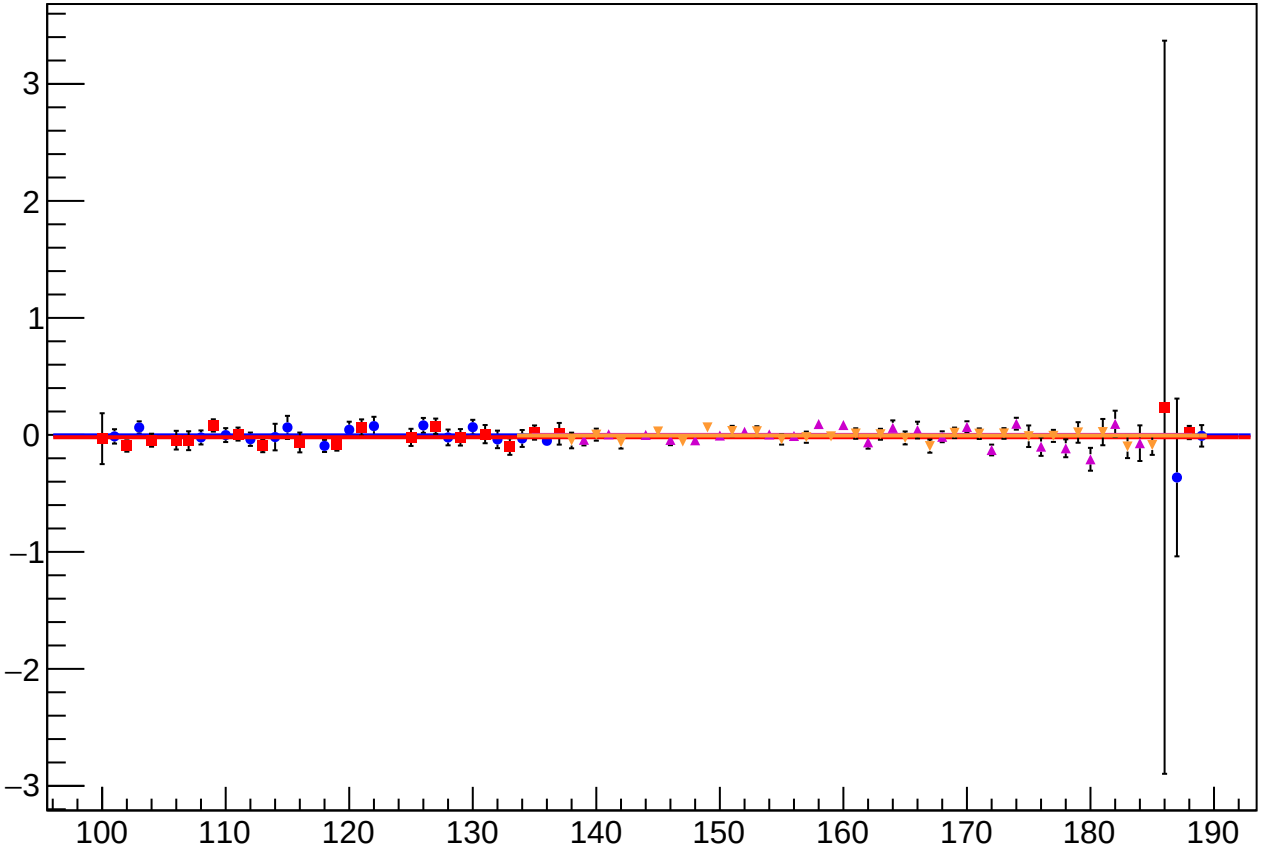
Left In: 24.565+/-0.005 χ^2/NDF:2132914.4/22

+ sign 24.101+/-0.004 χ^2/NDF: 2804500.6/41

All: 24.290+/-0.003 χ^2/NDF: 5147539.7/84

- sign 24.476+/-0.004 χ^2/NDF: 2337805.5/42

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.004+/-0.016 χ^2/NDF: 11.9/17

Left Out: -0.005+/-0.010 χ^2/NDF:13.9/23

Right Out: -0.020+/-0.015 χ^2/NDF: 15.9/19

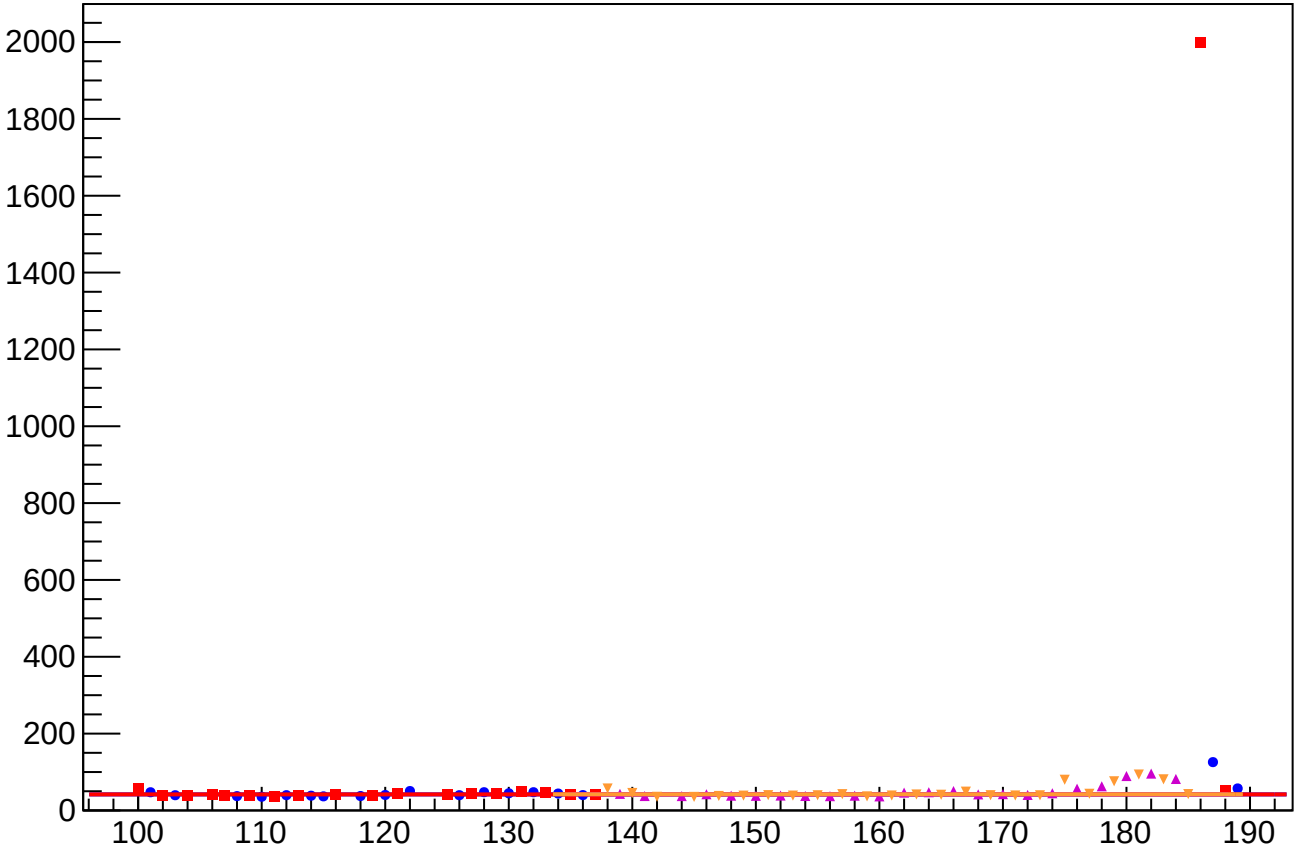
Left In: -0.000+/-0.010 χ^2/NDF:37.9/22

+ sign -0.005+/-0.009 χ^2/NDF: 25.8/41

All: -0.006+/-0.006 χ^2/NDF: 80.9/84

- sign -0.007+/-0.009 χ^2/NDF: 55.1/42

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug



Right In: 41.744+/-0.011 χ^2/NDF: 225796.5/17

Left Out: 42.088+/-0.007 χ^2/NDF:1716047.0/23

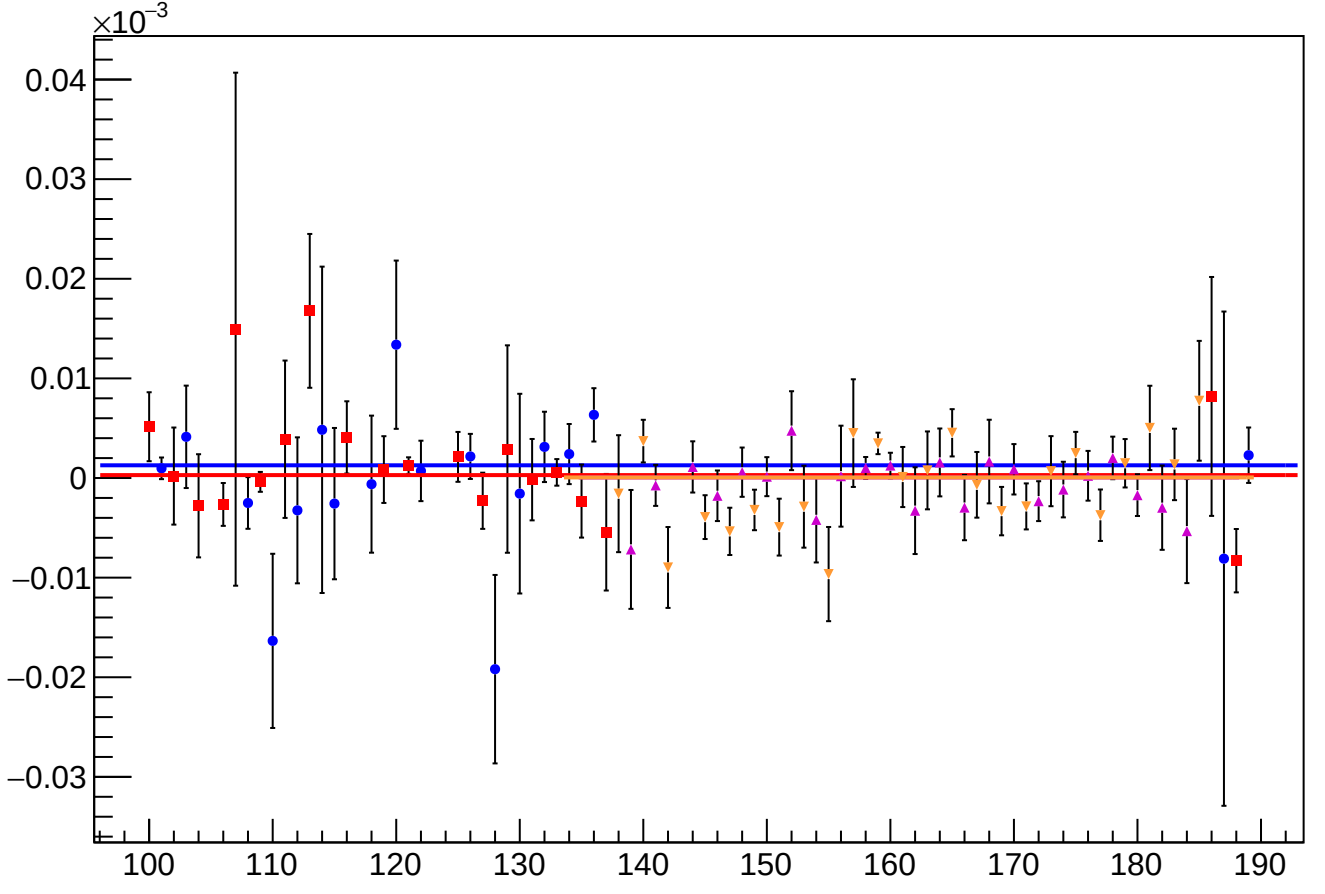
Right Out: 41.829+/-0.011 χ^2/NDF: 939981.3/19

Left In: 42.078+/-0.007 χ^2/NDF:1543505.8/22

+ sign 41.981+/-0.006 χ^2/NDF: 1942524.0/41

All: 41.989+/-0.004 χ^2/NDF: 4426387.8/84

- sign 41.997+/-0.006 χ^2/NDF: 2483860.7/42



Right In: 0.000+/-0.000 χ^2/NDF: 18.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:51.7/23

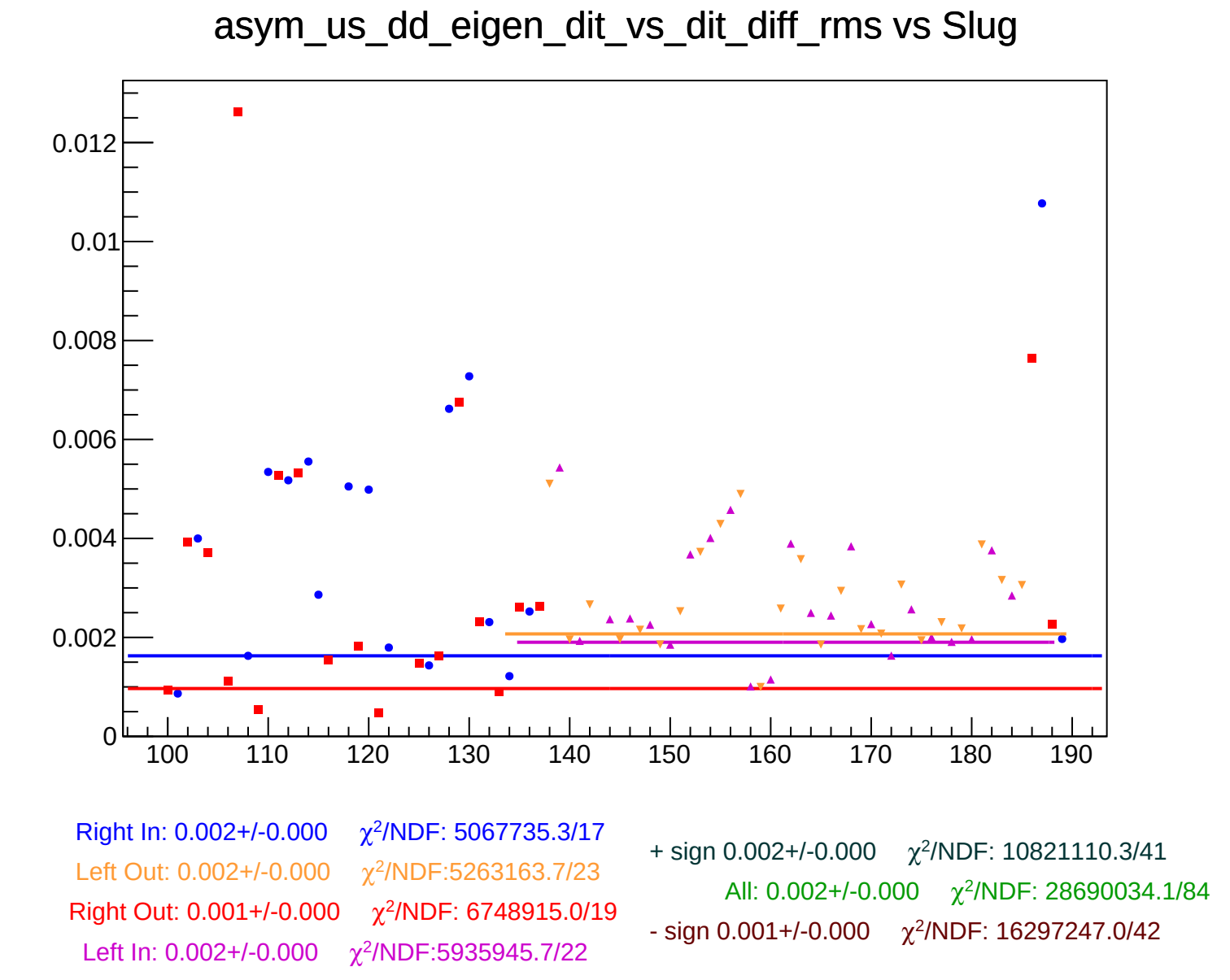
Right Out: 0.000+/-0.000 χ^2/NDF: 22.9/19

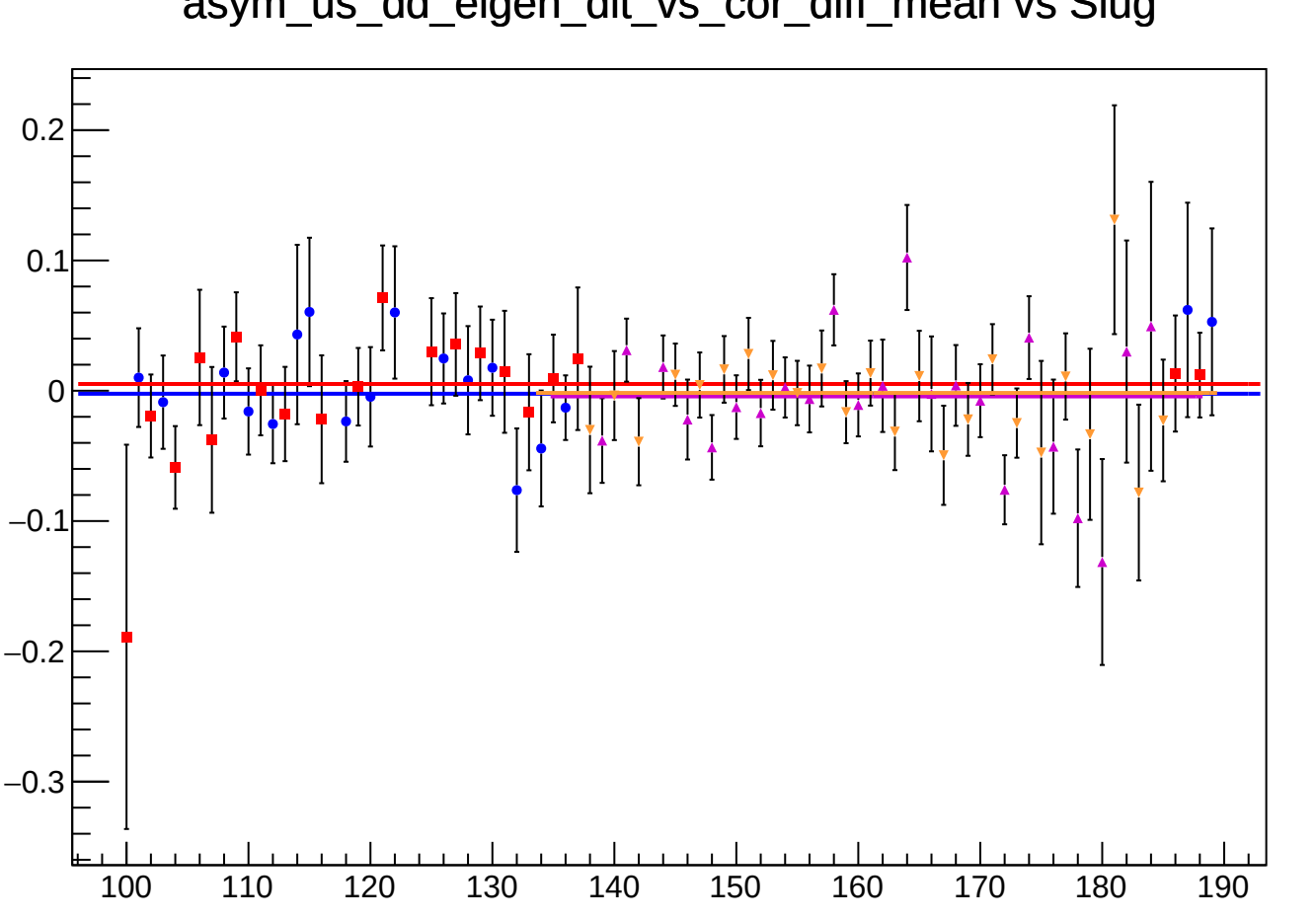
Left In: 0.000+/-0.000 χ^2/NDF:13.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 72.1/41

All: 0.000+/-0.000 χ^2/NDF: 108.4/84

- sign 0.000+/-0.000 χ^2/NDF: 36.0/42


asym_us_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.012
0.01
0.008
0.006
0.004
0.002
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.002+/-0.000 χ²/NDF: 5067735.3/17
Left Out: 0.002+/-0.000 χ²/NDF:5263163.7/23
Right Out: 0.001+/-0.000 χ²/NDF: 6748915.0/19
Left In: 0.002+/-0.000 χ²/NDF:5935945.7/22
+ sign 0.002+/-0.000 χ²/NDF: 10821110.3/41
All: 0.002+/-0.000 χ²/NDF: 28690034.1/84
- sign 0.001+/-0.000 χ²/NDF: 16297247.0/42



Right In: -0.002+/-0.009 χ^2/NDF: 10.4/17

Left Out: -0.002+/-0.006 χ^2/NDF:14.6/23

Right Out: 0.005+/-0.009 χ^2/NDF: 13.6/19

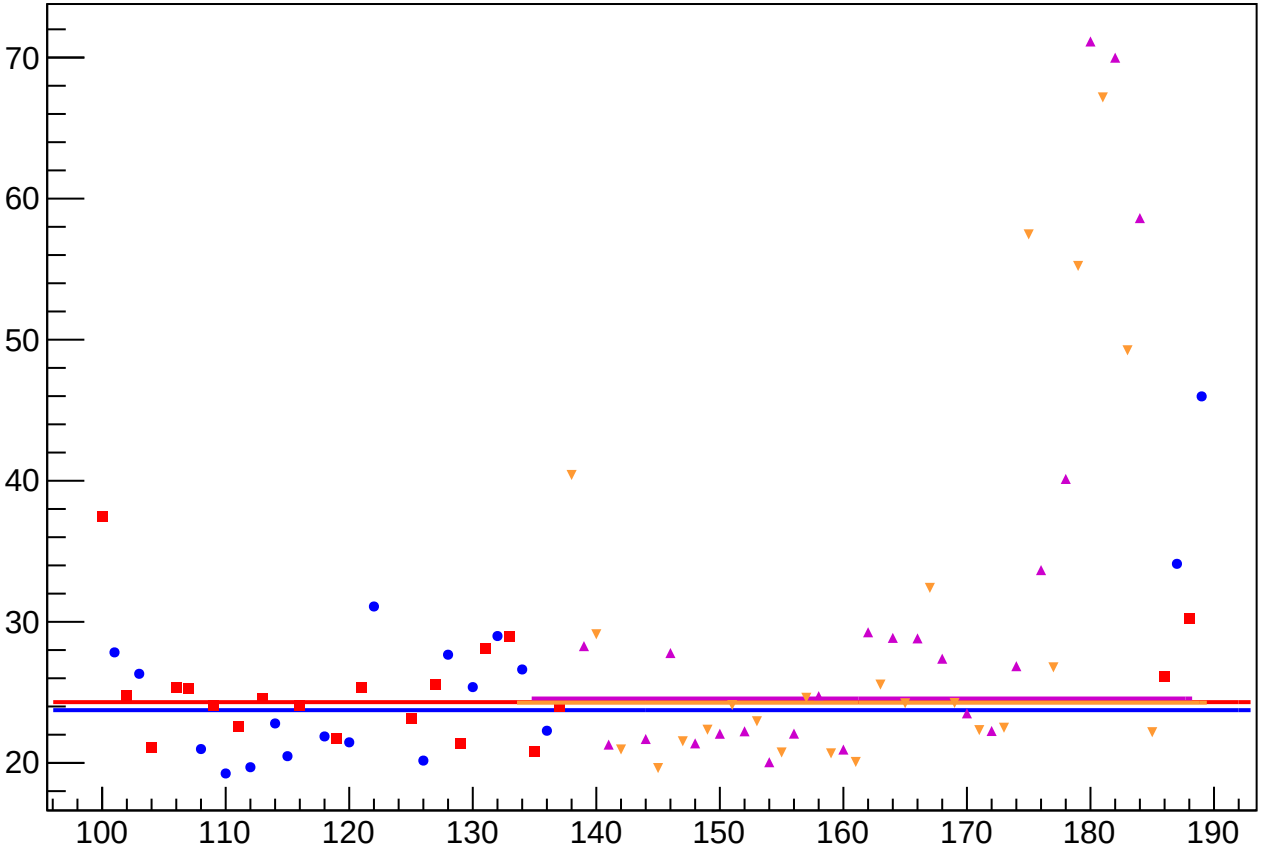
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.002+/-0.005 χ^2/NDF: 25.1/41

All: -0.001+/-0.004 χ^2/NDF: 76.0/84

- sign -0.001+/-0.005 χ^2/NDF: 50.9/42

asym_us_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 23.739+/-0.006 χ^2/NDF: 489224.5/17

Left Out: 24.275+/-0.004 χ^2/NDF:2310684.7/23

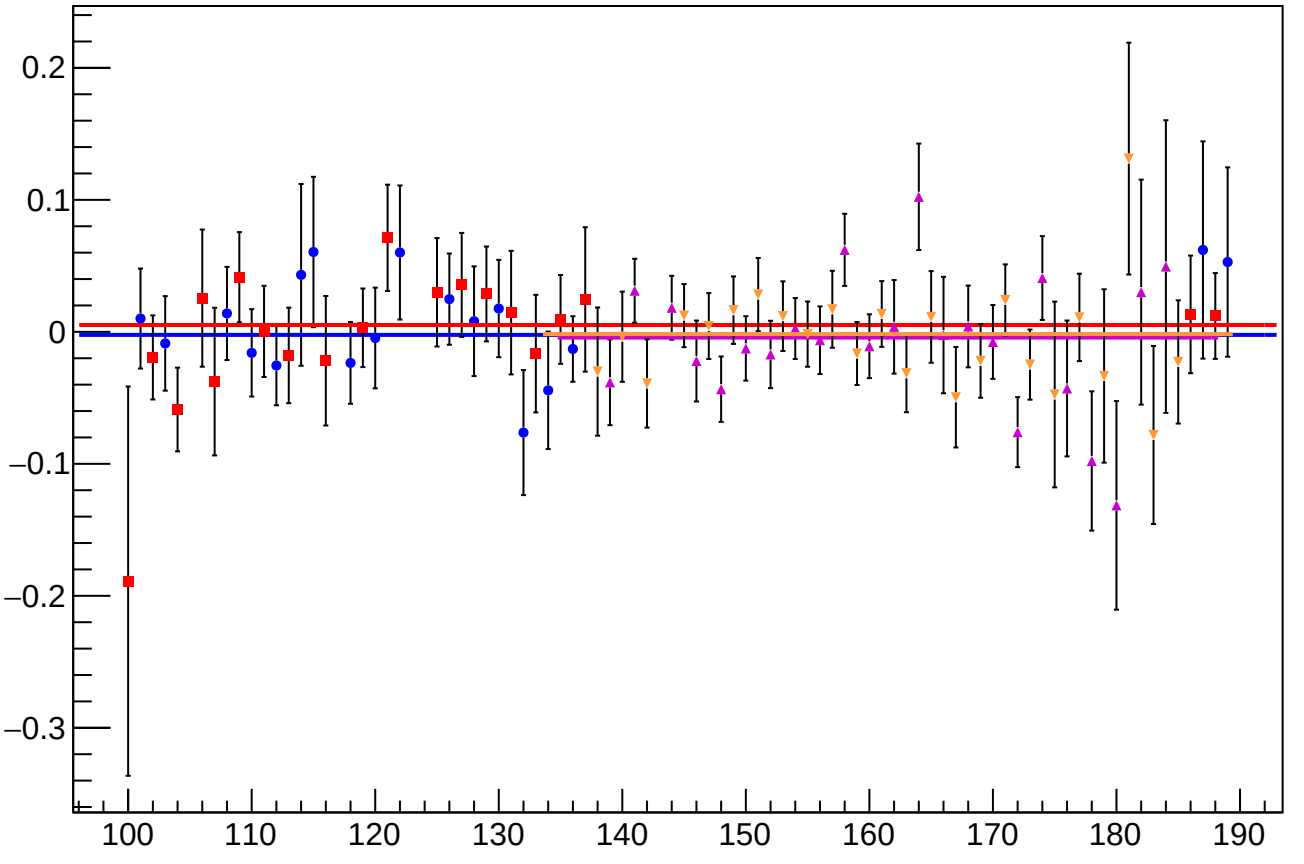
Right Out: 24.308+/-0.006 χ^2/NDF: 203729.3/19

Left In: 24.565+/-0.005 χ^2/NDF:2132779.0/22

\+ sign 24.100+/-0.004 χ^2/NDF: 2804546.3/41

All: 24.290+/-0.003 χ^2/NDF: 5147418.4/84

\- sign 24.476+/-0.004 χ^2/NDF: 2337625.7/42



Right In: -0.002+/-0.009 χ^2/NDF: 10.4/17

Left Out: -0.002+/-0.006 χ^2/NDF:14.6/23

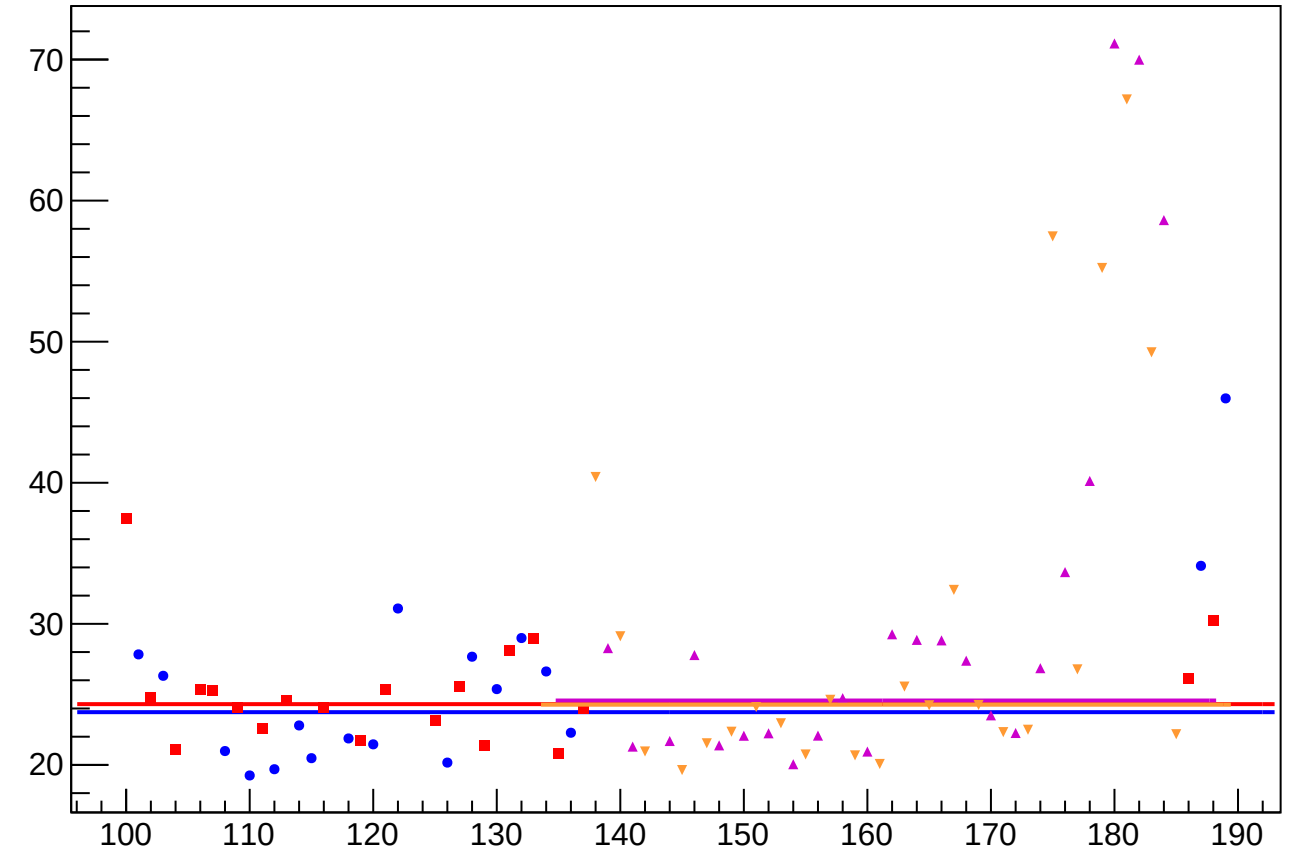
Right Out: 0.005+/-0.009 χ^2/NDF: 13.6/19

Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.002+/-0.005 χ^2/NDF: 25.1/41

All: -0.001+/-0.004 χ^2/NDF: 76.0/84

- sign -0.001+/-0.005 χ^2/NDF: 50.9/42



Right In: 23.739+/-0.006 χ^2/NDF: 489224.5/17

Left Out: 24.275+/-0.004 χ^2/NDF:2310684.7/23

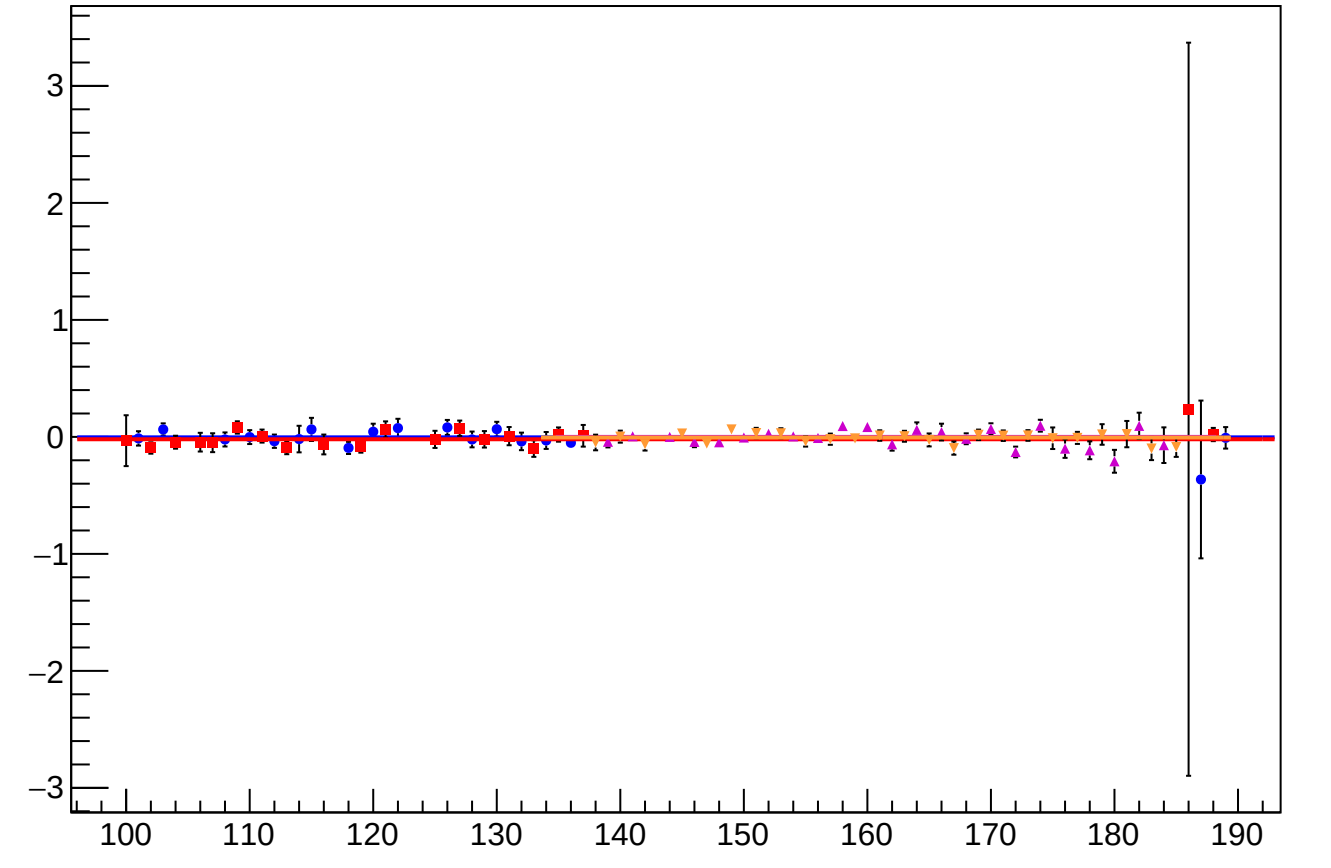
Right Out: 24.308+/-0.006 χ^2/NDF: 203729.3/19

Left In: 24.565+/-0.005 χ^2/NDF:2132779.0/22

\+ sign 24.100+/-0.004 χ^2/NDF: 2804546.3/41

All: 24.290+/-0.003 χ^2/NDF: 5147418.4/84

\- sign 24.476+/-0.004 χ^2/NDF: 2337625.7/42



Right In: -0.004+/-0.016 χ^2/NDF: 11.9/17

Left Out: -0.005+/-0.010 χ^2/NDF:13.9/23

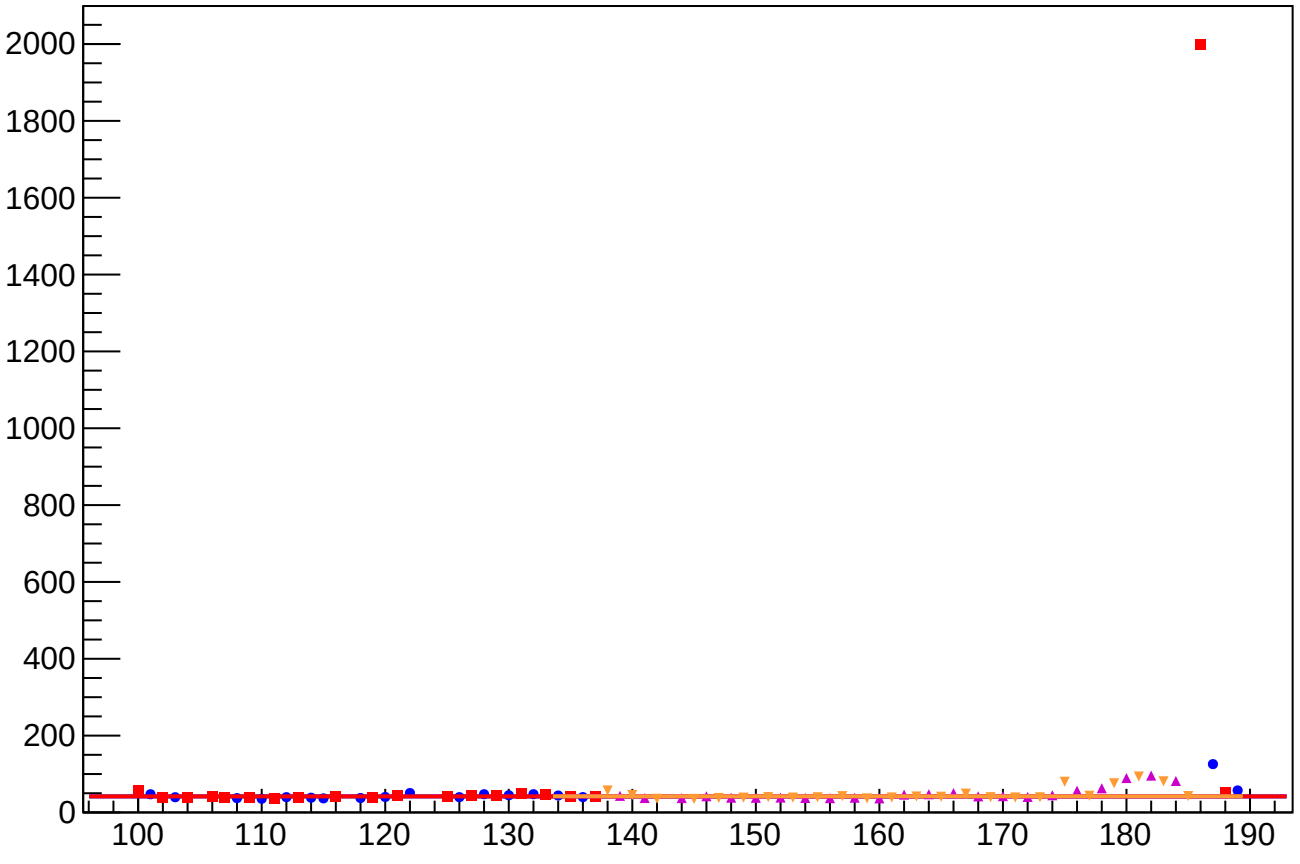
Right Out: -0.020+/-0.015 χ^2/NDF: 15.9/19

Left In: -0.000+/-0.010 χ^2/NDF:37.9/22

+ sign -0.005+/-0.009 χ^2/NDF: 25.8/41

All: -0.006+/-0.006 χ^2/NDF: 80.9/84

- sign -0.007+/-0.009 χ^2/NDF: 55.1/42



Right In: 41.744+/-0.011 χ^2/NDF: 225777.2/17

Left Out: 42.088+/-0.007 χ^2/NDF:1716037.6/23

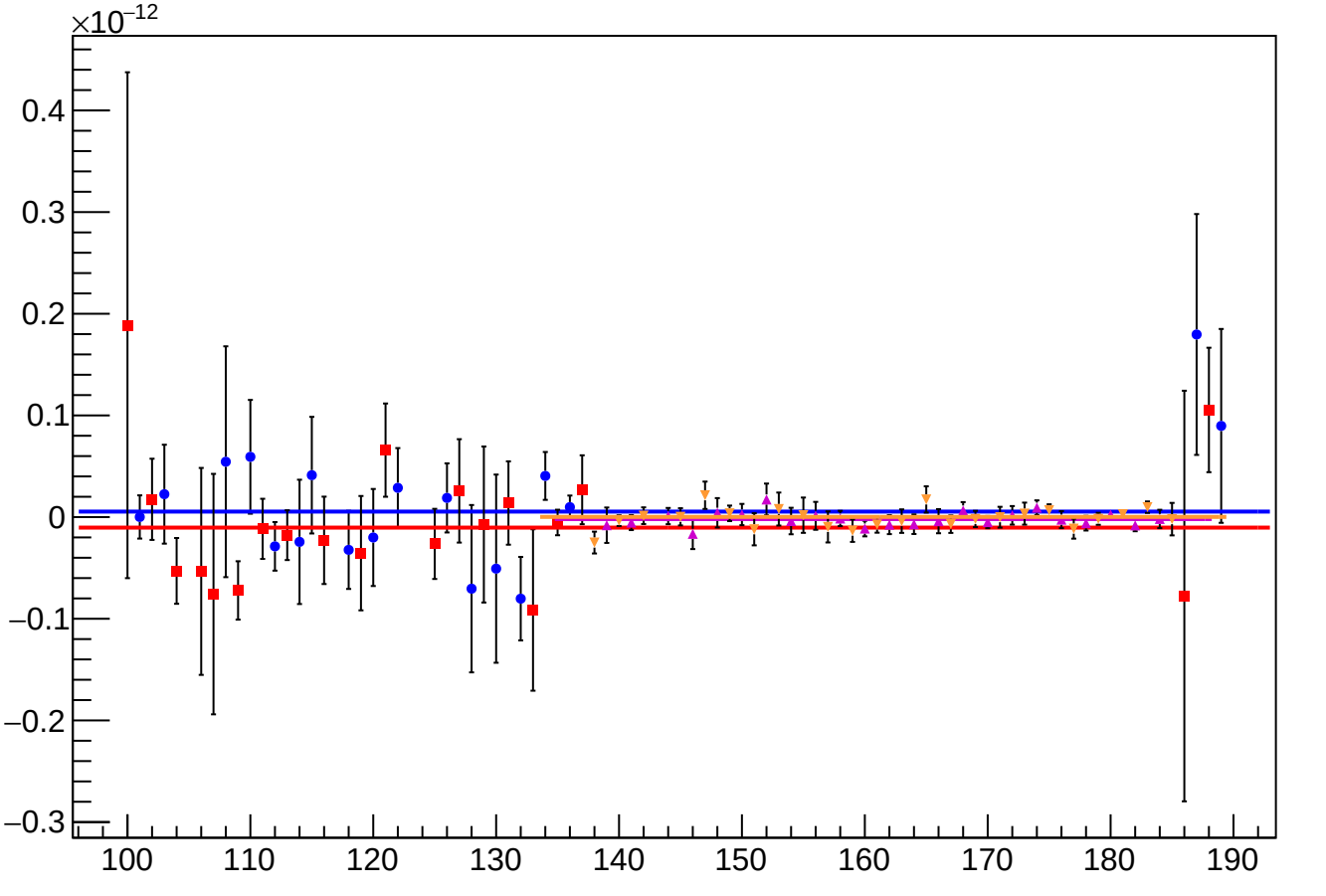
Right Out: 41.829+/-0.011 χ^2/NDF: 939971.8/19

Left In: 42.078+/-0.007 χ^2/NDF:1543481.3/22

+ sign 41.981+/-0.006 χ^2/NDF: 1942496.4/41

All: 41.989+/-0.004 χ^2/NDF: 4426326.8/84

- sign 41.997+/-0.006 χ^2/NDF: 2483827.3/42



Right In: 0.000+/-0.000 χ^2/NDF: 16.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/23

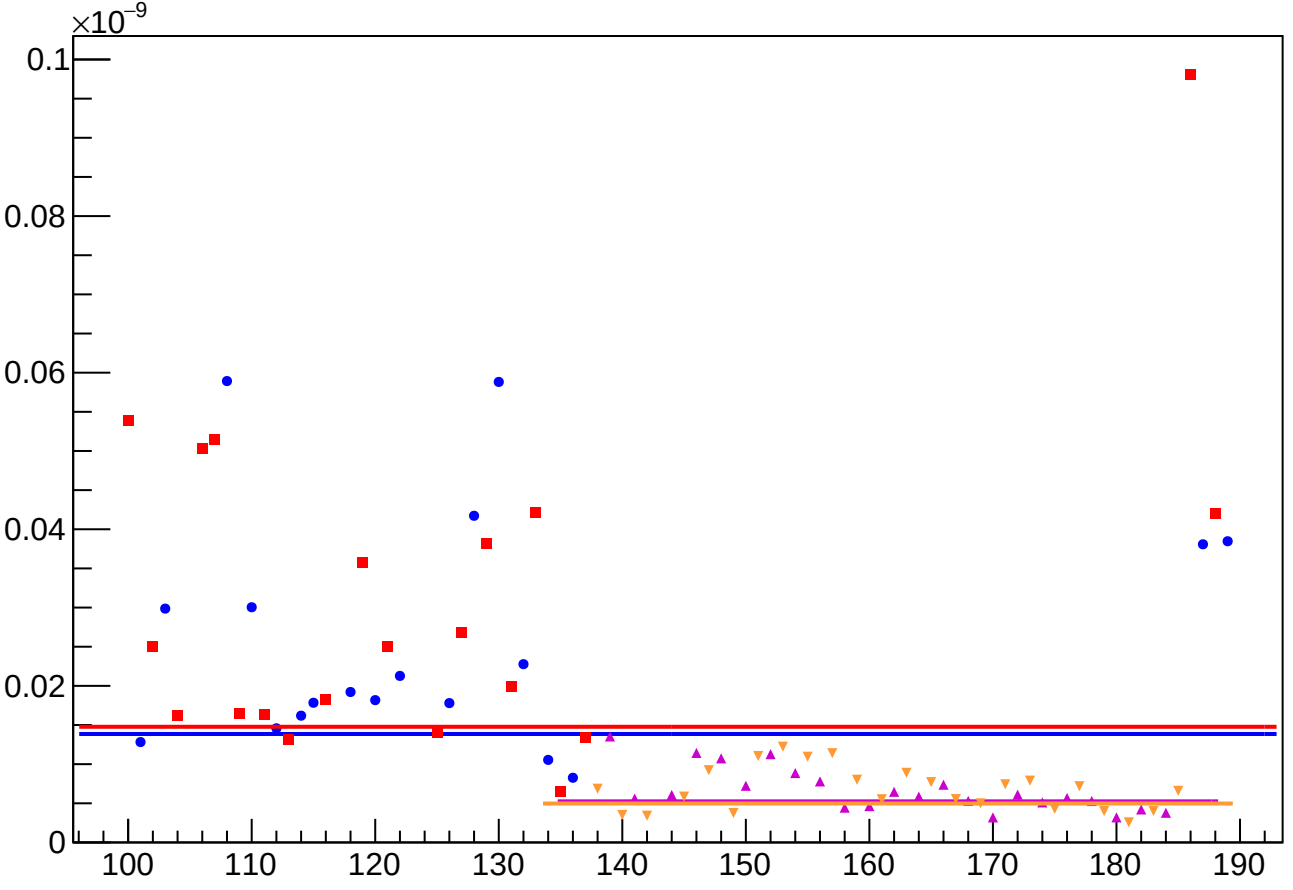
Right Out: -0.000+/-0.000 χ^2/NDF: 18.3/19

Left In: -0.000+/-0.000 χ^2/NDF:11.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 38.3/41

All: -0.000+/-0.000 χ^2/NDF: 70.8/84

- sign -0.000+/-0.000 χ^2/NDF: 31.2/42



Right In: 0.000+/-0.000 χ^2/NDF: 2407765.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:3536964.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3217789.3/19

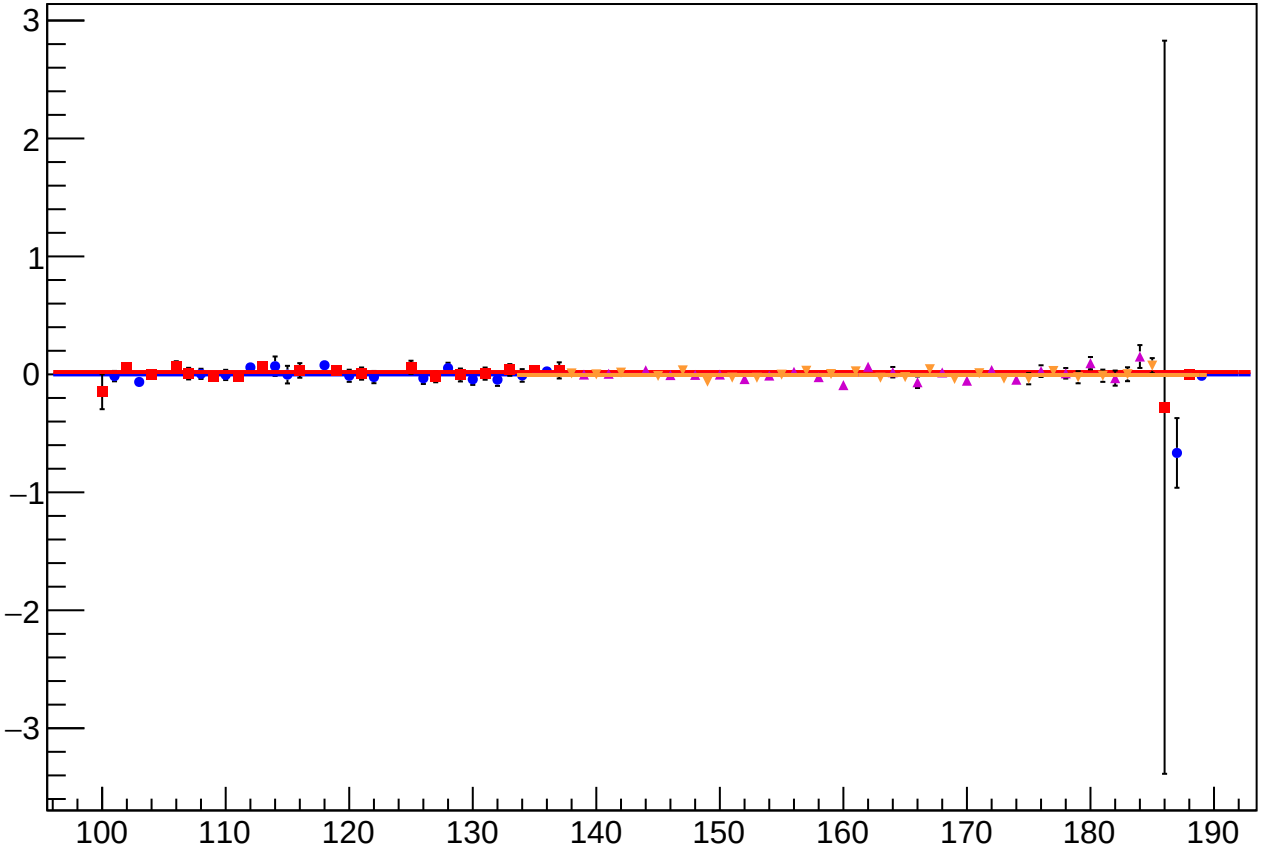
Left In: 0.000+/-0.000 χ^2/NDF:2618852.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 8728077.3/41

All: 0.000+/-0.000 χ^2/NDF: 17493524.3/84

- sign 0.000+/-0.000 χ^2/NDF: 8732897.1/42

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug



Right In: -0.001+/-0.011 χ^2/NDF: 20.5/17

Left Out: -0.005+/-0.007 χ^2/NDF:16.7/23

Right Out: 0.020+/-0.010 χ^2/NDF: 9.4/19

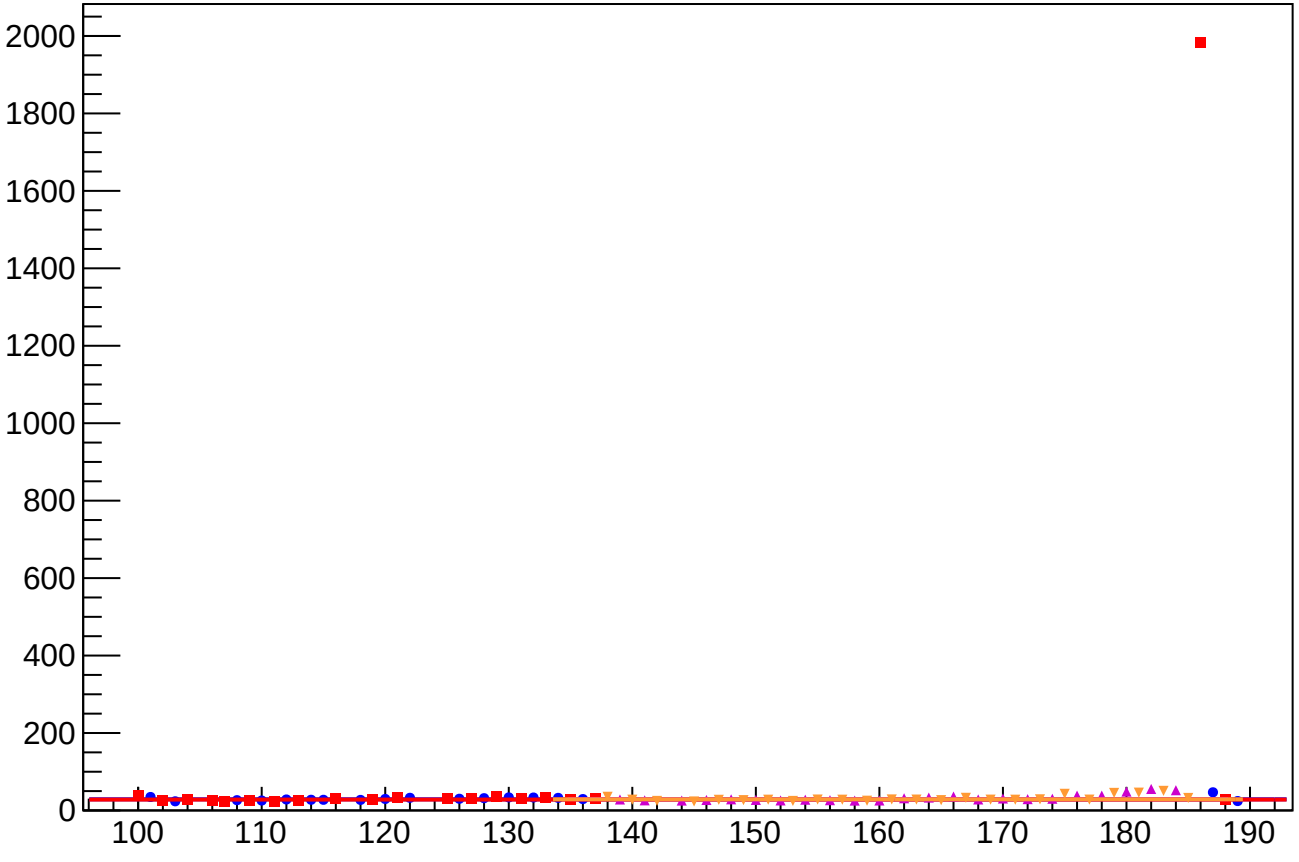
Left In: -0.004+/-0.007 χ^2/NDF:31.2/22

+ sign -0.004+/-0.006 χ^2/NDF: 37.3/41

All: 0.000+/-0.004 χ^2/NDF: 82.4/84

- sign 0.004+/-0.006 χ^2/NDF: 44.3/42

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug



Right In: 28.809+/-0.008 χ^2/NDF: 212358.8/17

Left Out: 28.781+/-0.005 χ^2/NDF:1170605.8/23

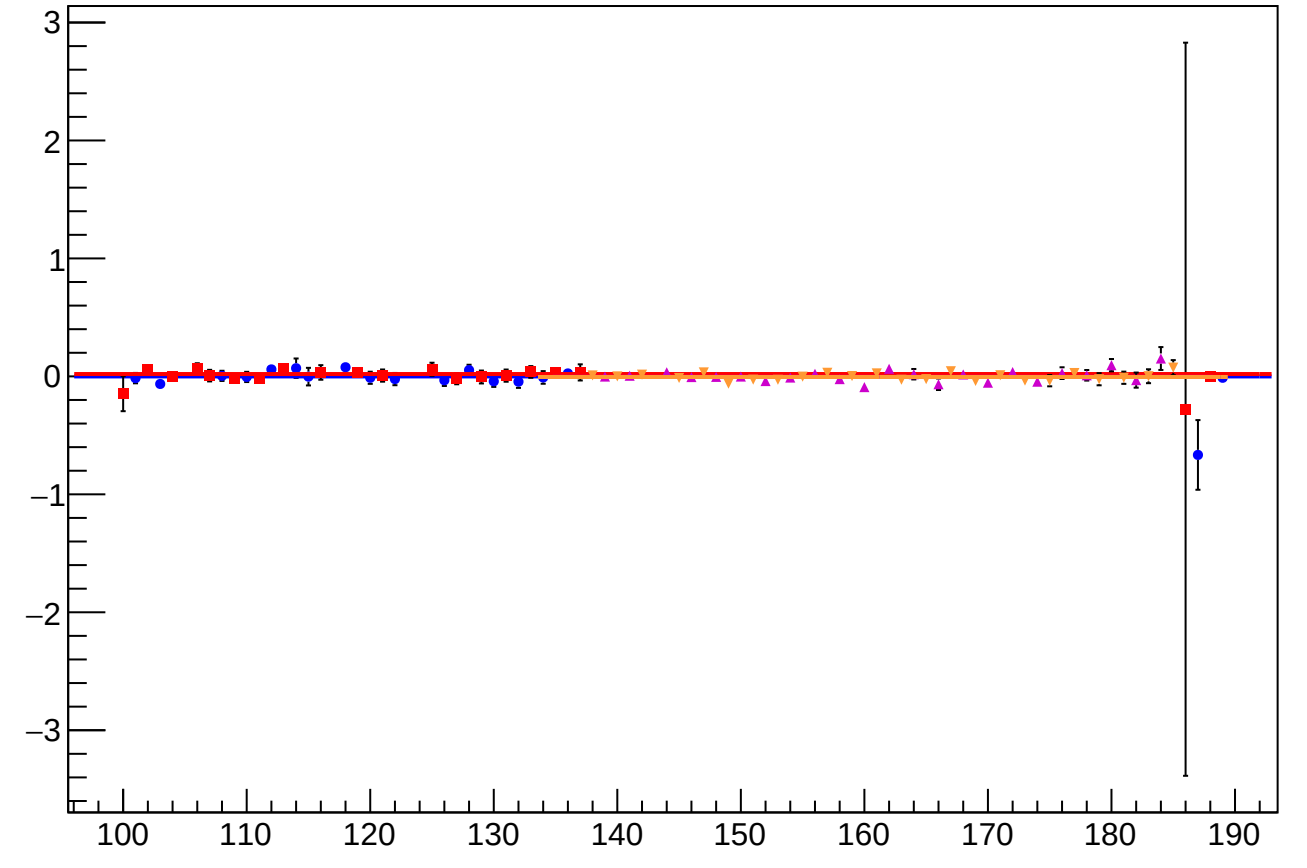
Right Out: 28.098+/-0.007 χ^2/NDF: 978667.3/19

Left In: 29.255+/-0.005 χ^2/NDF:1140337.0/22

+ sign 28.790+/-0.004 χ^2/NDF: 1382973.9/41

All: 28.833+/-0.003 χ^2/NDF: 3519217.1/84

- sign 28.875+/-0.004 χ^2/NDF: 2136032.6/42



Right In: -0.001+/-0.011 χ^2/NDF: 20.5/17

Left Out: -0.005+/-0.007 χ^2/NDF:16.7/23

Right Out: 0.020+/-0.010 χ^2/NDF: 9.4/19

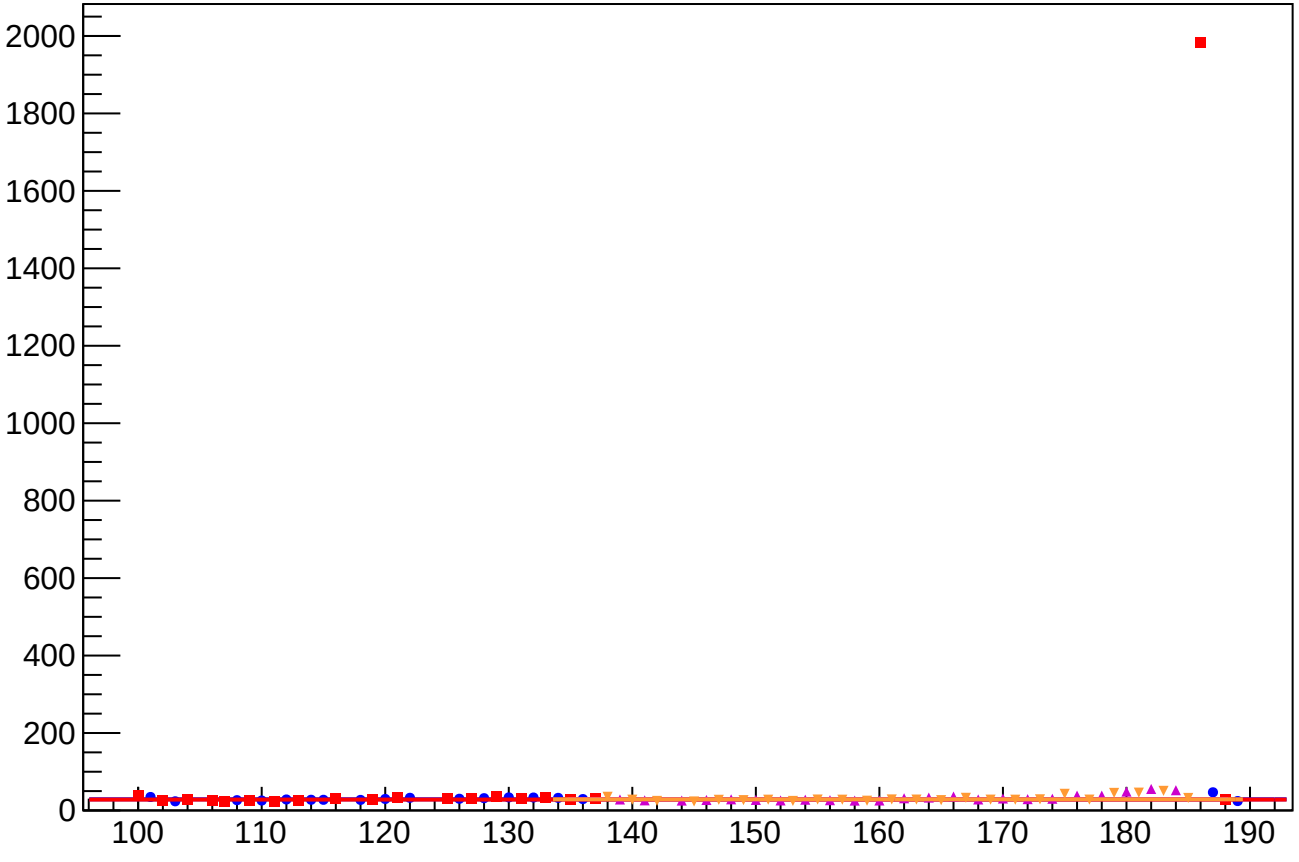
Left In: -0.004+/-0.007 χ^2/NDF:31.2/22

+ sign -0.004+/-0.006 χ^2/NDF: 37.3/41

All: 0.000+/-0.004 χ^2/NDF: 82.4/84

- sign 0.004+/-0.006 χ^2/NDF: 44.3/42

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 28.809+/-0.008 χ^2/NDF: 212358.8/17

Left Out: 28.781+/-0.005 χ^2/NDF:1170605.8/23

Right Out: 28.098+/-0.007 χ^2/NDF: 978667.3/19

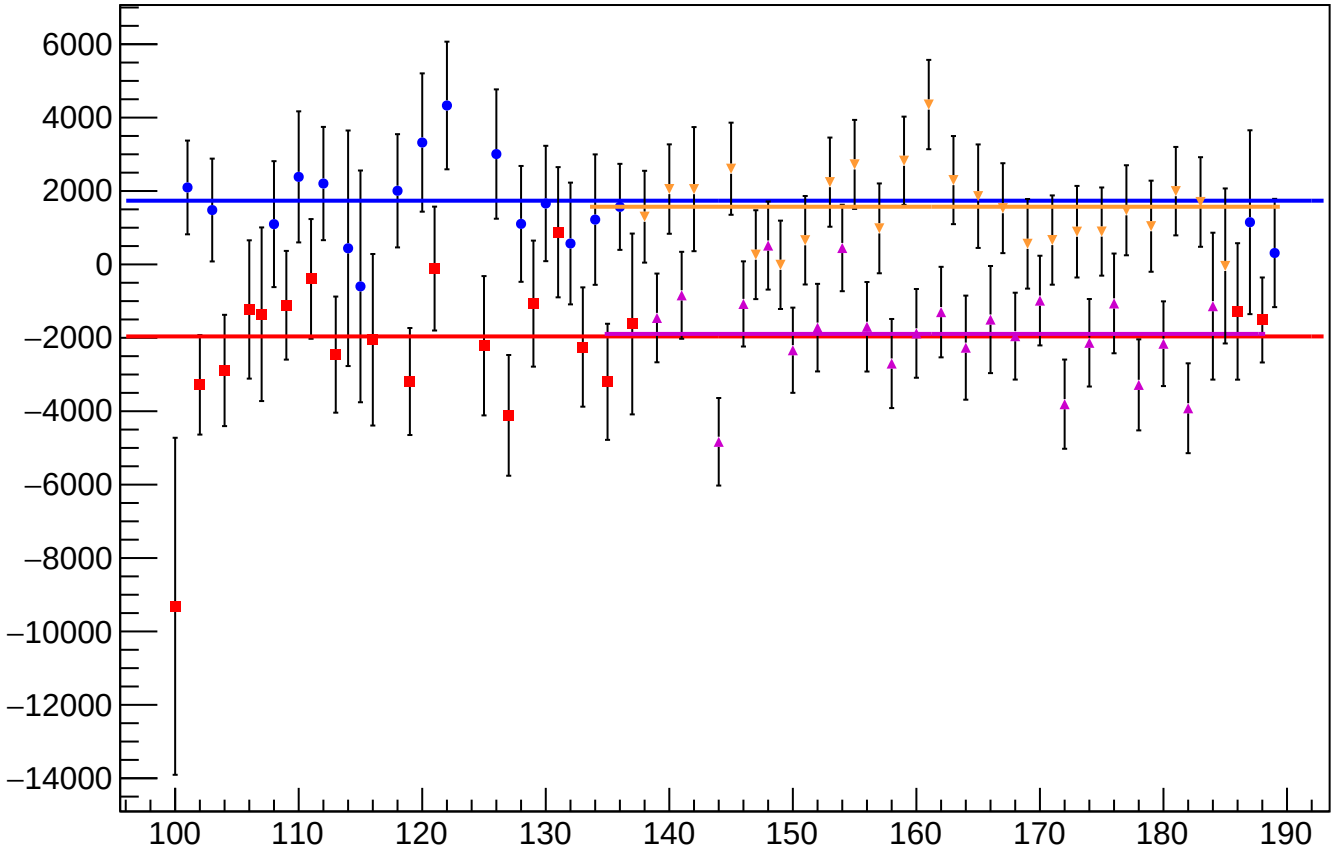
Left In: 29.255+/-0.005 χ^2/NDF:1140337.0/22

+ sign 28.790+/-0.004 χ^2/NDF: 1382973.9/41

All: 28.833+/-0.003 χ^2/NDF: 3519217.1/84

- sign 28.875+/-0.004 χ^2/NDF: 2136032.6/42

reg_asym_usl_mean vs Slug



Right In: 1736.014+/-389.789 χ^2/NDF: 6.4/17

Left Out: 1571.055+/-256.536 χ^2/NDF:15.4/23

Right Out: -1961.894+/-377.810 χ^2/NDF: 12.9/19

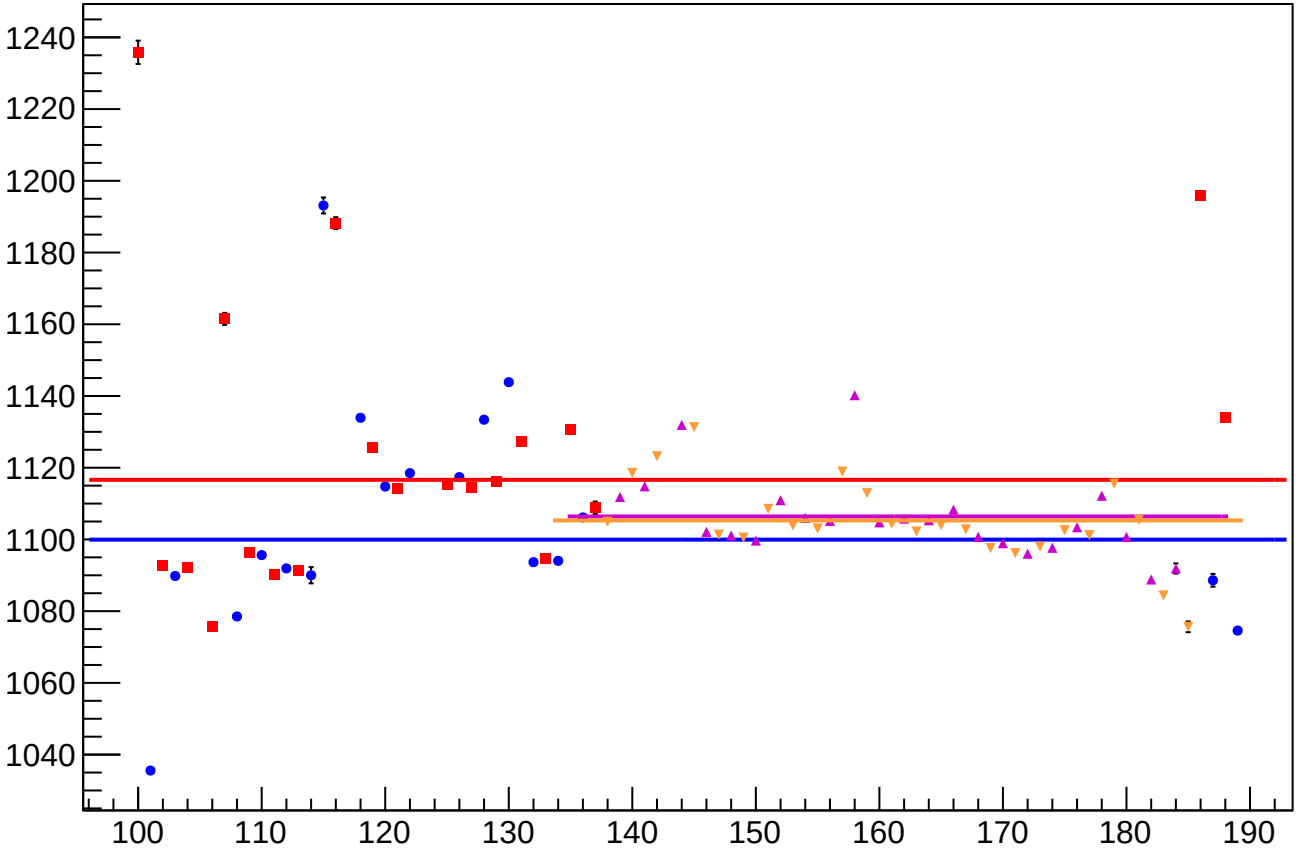
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1620.912+/-214.290 χ^2/NDF: 21.9/41

All: -155.726+/-151.158 χ^2/NDF: 195.7/84

- sign -1915.185+/-213.252 χ^2/NDF: 37.0/42

reg_asym_usl_rms vs Slug



Right In: 1099.947+/-0.276 χ^2/NDF: 12042.1/17

Left Out: 1105.294+/-0.181 χ^2/NDF:3161.8/23

Right Out: 1116.621+/-0.267 χ^2/NDF: 12227.1/19

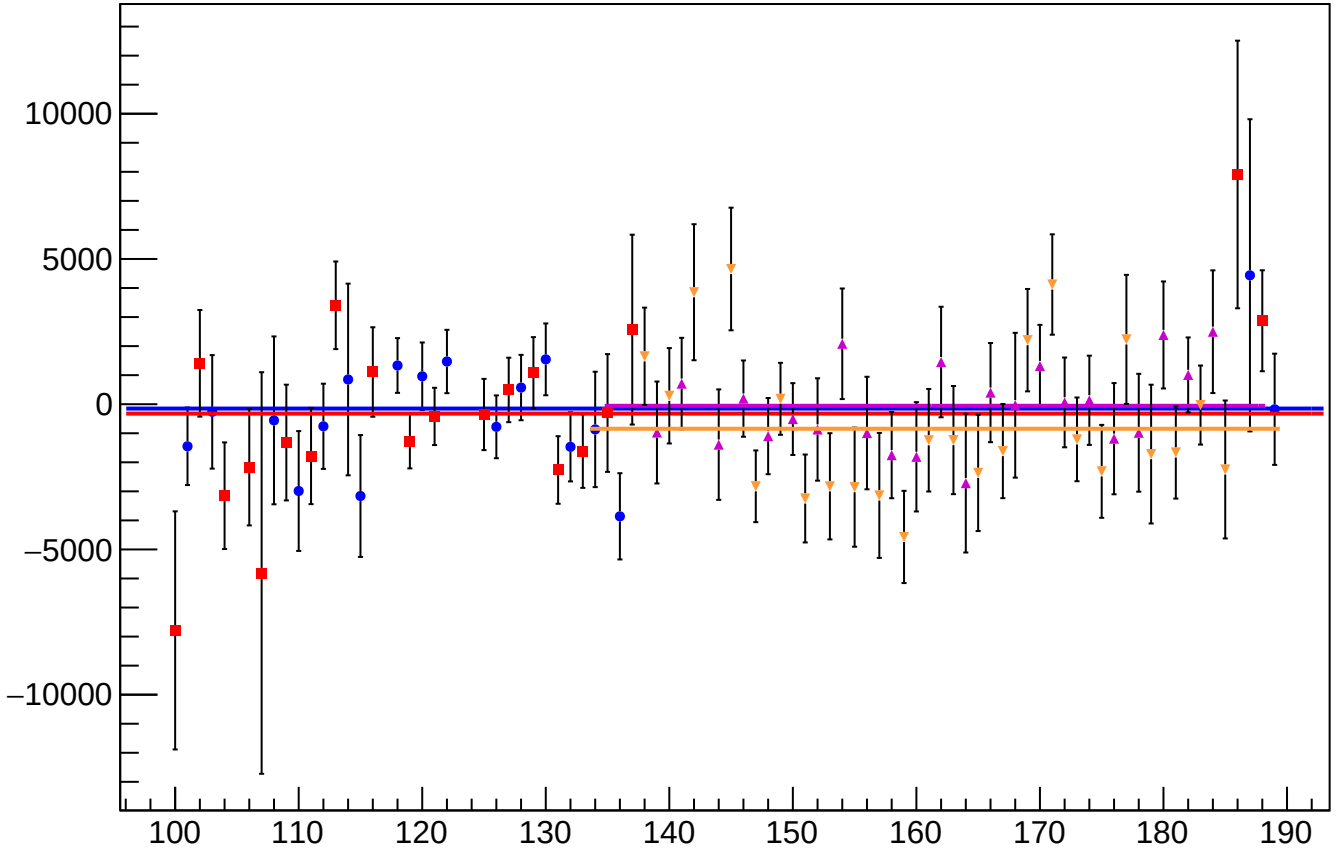
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

+ sign 1103.678+/-0.152 χ^2/NDF: 15466.6/41

All: 1106.683+/-0.107 χ^2/NDF: 33249.4/84

- sign 1109.660+/-0.151 χ^2/NDF: 16999.9/42

asym_usl_reg_correction_mean vs Slug



Right In: -149.741+/-339.271 χ^2/NDF: 21.7/17

Left Out: -844.649+/-347.346 χ^2/NDF:44.2/23

Right Out: -322.955+/-337.536 χ^2/NDF: 30.1/19

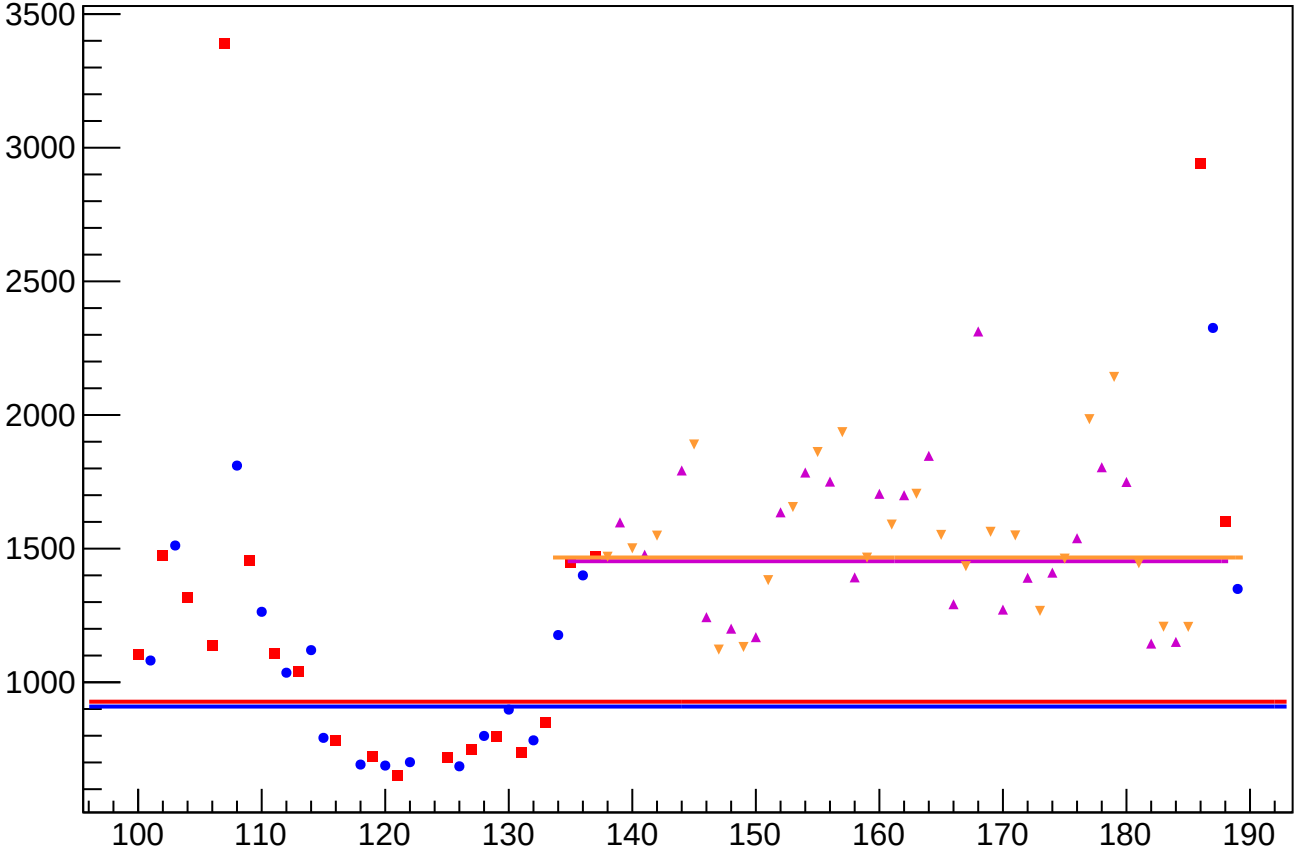
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -489.022+/-242.705 χ^2/NDF: 67.9/41

All: -339.813+/-171.226 χ^2/NDF: 112.2/84

- sign -191.962+/-241.598 χ^2/NDF: 43.5/42

asym_usl_reg_correction_rms vs Slug



Right In: 909.144+/-0.240 χ^2/NDF: 1384307.5/17

Left Out: 1466.846+/-0.246 χ^2/NDF:1043303.8/23

Right Out: 927.352+/-0.239 χ^2/NDF: 2052456.3/19

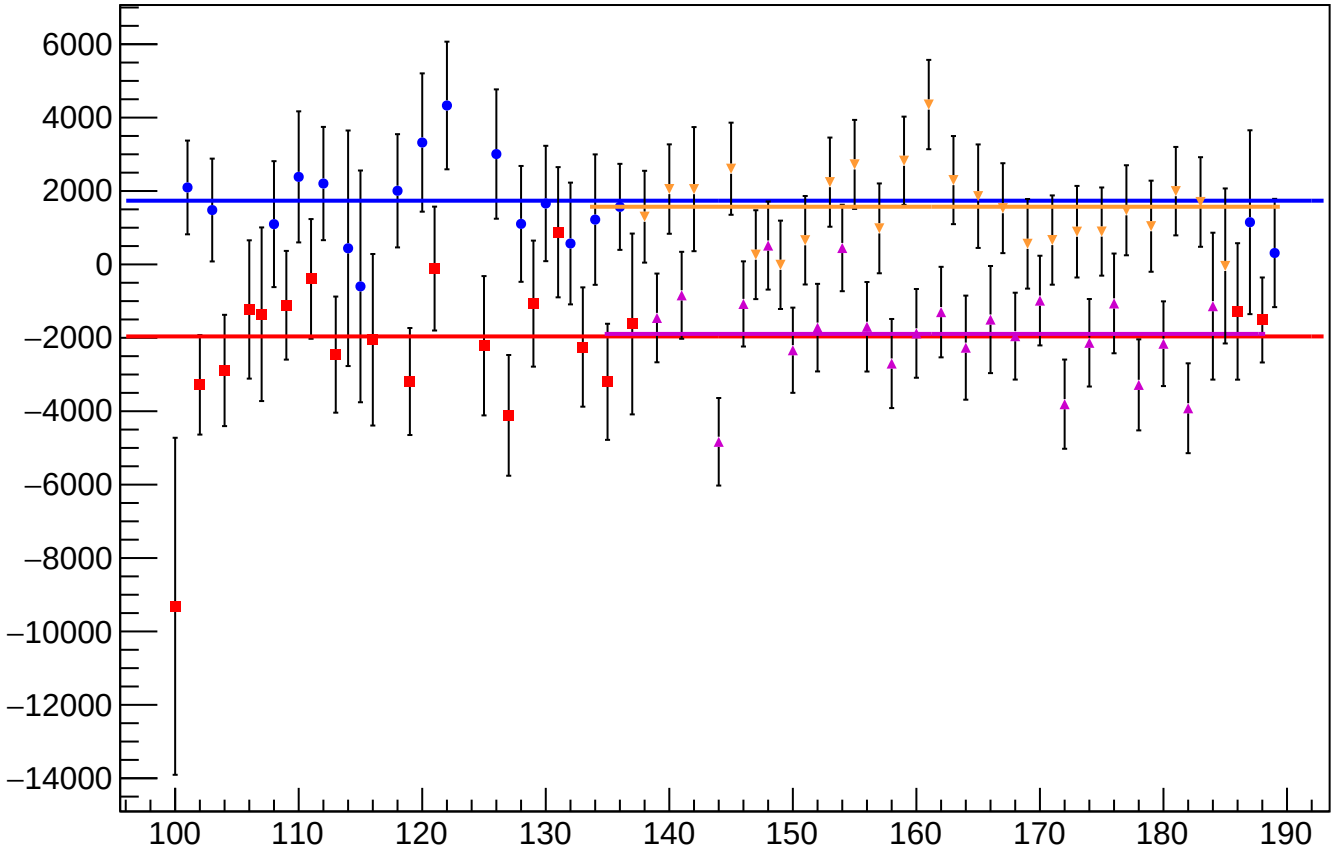
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1181.436+/-0.172 χ^2/NDF: 5066220.0/41

All: 1182.568+/-0.121 χ^2/NDF: 10613599.3/8

- sign 1183.689+/-0.171 χ^2/NDF: 5547292.7/42

cor_asym_usl_mean vs Slug



Right In: 1736.014+/-389.789 χ^2/NDF: 6.4/17

Left Out: 1571.055+/-256.536 χ^2/NDF:15.4/23

Right Out: -1961.894+/-377.810 χ^2/NDF: 12.9/19

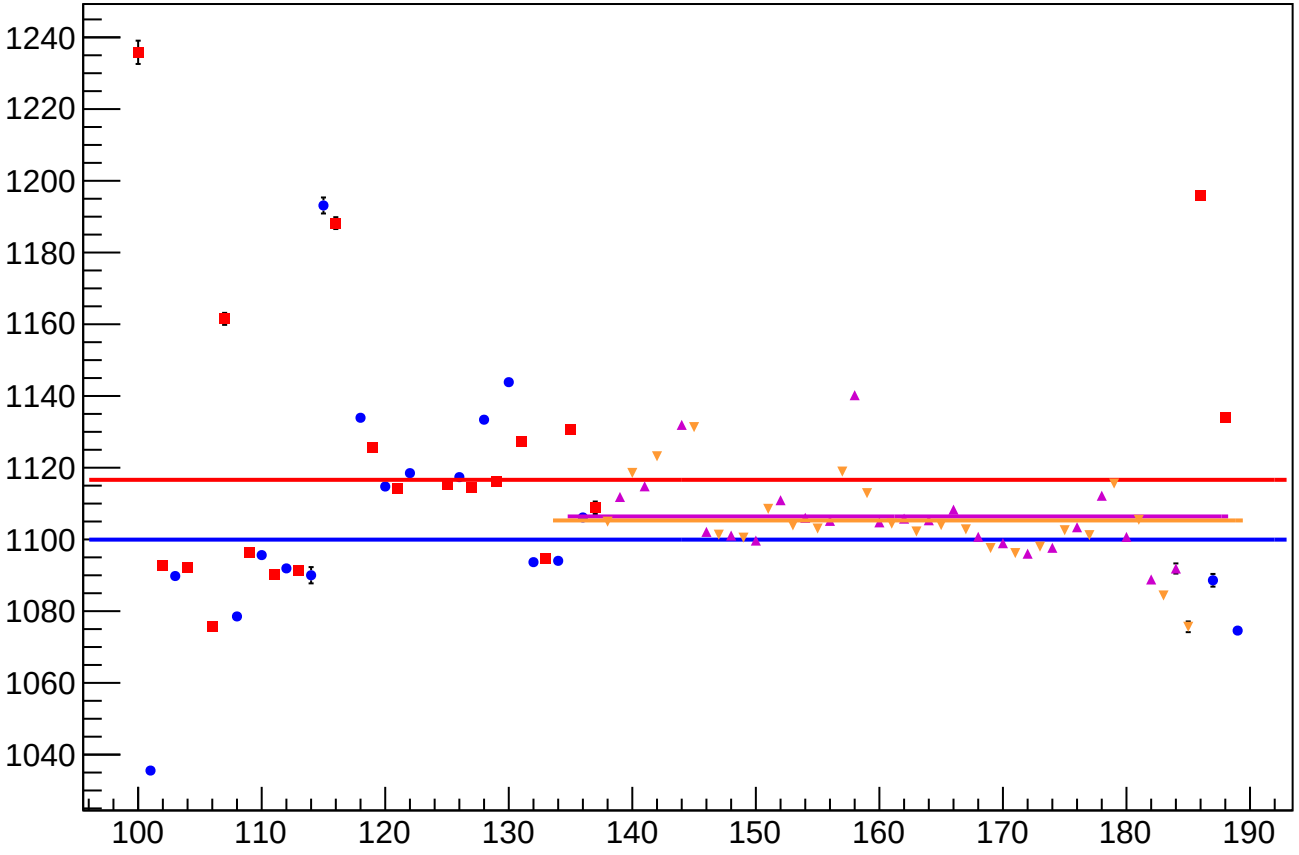
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1620.912+/-214.290 χ^2/NDF: 21.9/41

All: -155.726+/-151.158 χ^2/NDF: 195.7/84

- sign -1915.185+/-213.252 χ^2/NDF: 37.0/42

cor_asym_usl_rms vs Slug



Right In: 1099.947+/-0.276 χ^2/NDF: 12042.1/17

Left Out: 1105.294+/-0.181 χ^2/NDF:3161.8/23

Right Out: 1116.621+/-0.267 χ^2/NDF: 12227.1/19

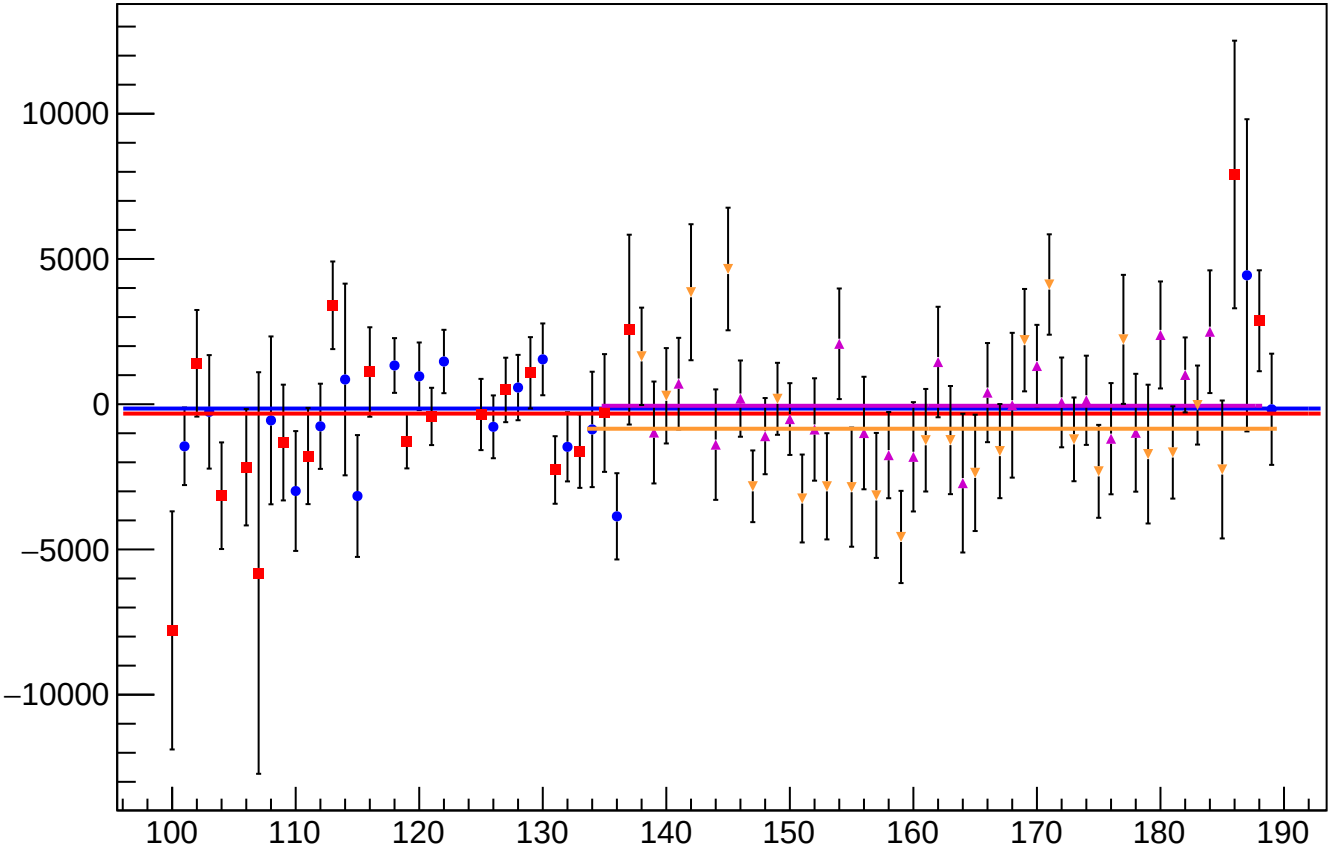
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

+ sign 1103.678+/-0.152 χ^2/NDF: 15466.6/41

All: 1106.683+/-0.107 χ^2/NDF: 33249.4/84

- sign 1109.660+/-0.151 χ^2/NDF: 16999.9/42

asym_usl_cor_correction_mean vs Slug



Right In: -149.741+/-339.271 χ^2/NDF: 21.7/17

Left Out: -844.649+/-347.346 χ^2/NDF:44.2/23

Right Out: -322.955+/-337.536 χ^2/NDF: 30.1/19

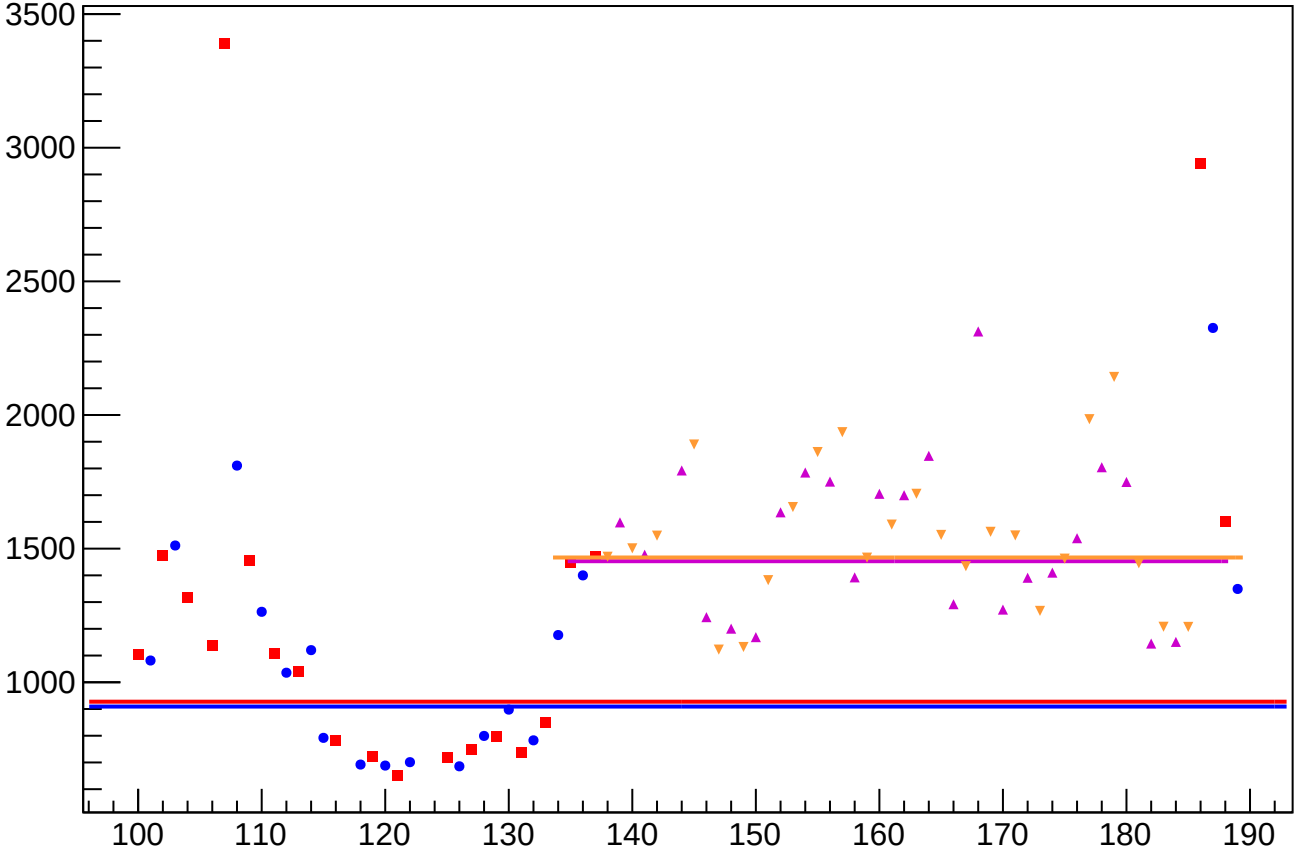
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -489.022+/-242.705 χ^2/NDF: 67.9/41

All: -339.813+/-171.226 χ^2/NDF: 112.2/84

- sign -191.962+/-241.598 χ^2/NDF: 43.5/42

asym_usl_cor_correction_rms vs Slug



Right In: 909.144+/-0.240 χ^2/NDF: 1384307.5/17

Left Out: 1466.846+/-0.246 χ^2/NDF:1043303.8/23

Right Out: 927.352+/-0.239 χ^2/NDF: 2052456.3/19

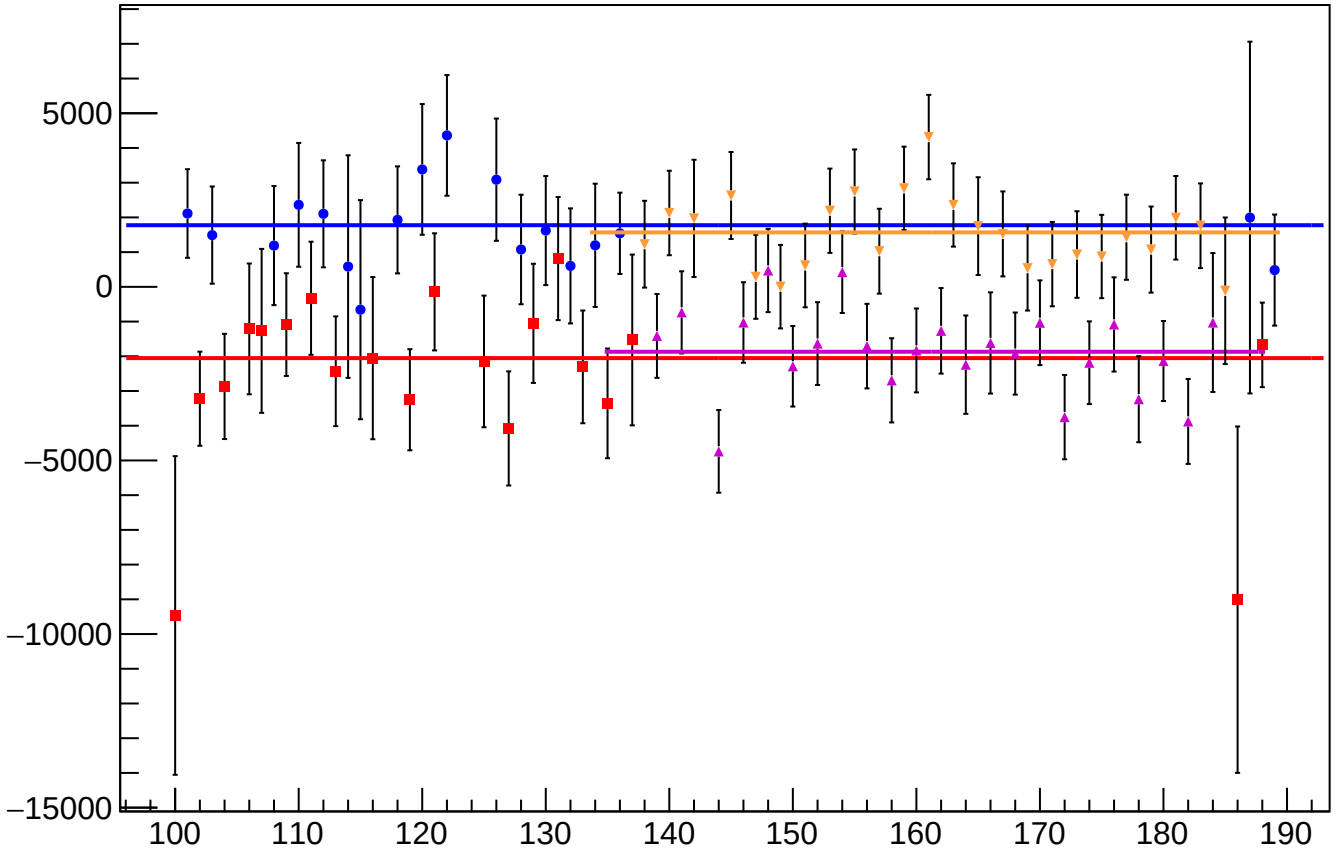
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1181.436+/-0.172 χ^2/NDF: 5066220.0/41

All: 1182.568+/-0.121 χ^2/NDF: 10613599.3/8

- sign 1183.689+/-0.171 χ^2/NDF: 5547292.7/42

overload_cor_asym_usl_mean vs Slug



Right In: 1775.556+/-395.200 χ^2/NDF: 6.1/17

Left Out: 1568.786+/-256.294 χ^2/NDF:15.4/23

Right Out: -2052.460+/-386.451 χ^2/NDF: 14.8/19

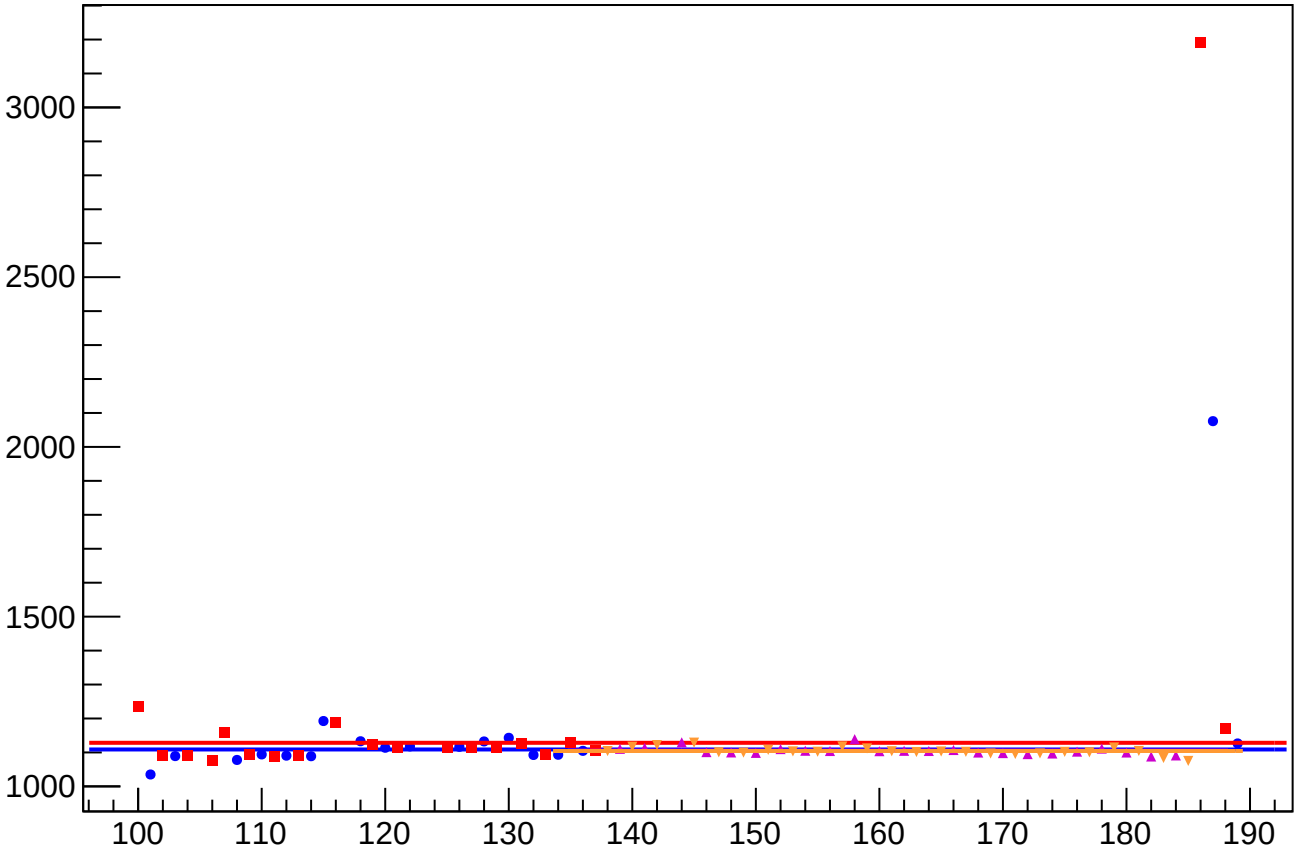
Left In: -1869.342+/-258.099 χ^2/NDF:23.4/22

+ sign 1630.002+/-215.034 χ^2/NDF: 21.7/41

All: -151.236+/-151.910 χ^2/NDF: 197.0/84

- sign -1925.827+/-214.632 χ^2/NDF: 38.4/42

overload_cor_asym_usl_rms vs Slug



Right In: 1108.726+/-0.279 χ^2/NDF: 85124.4/17

Left Out: 1104.258+/-0.181 χ^2/NDF:2999.2/23

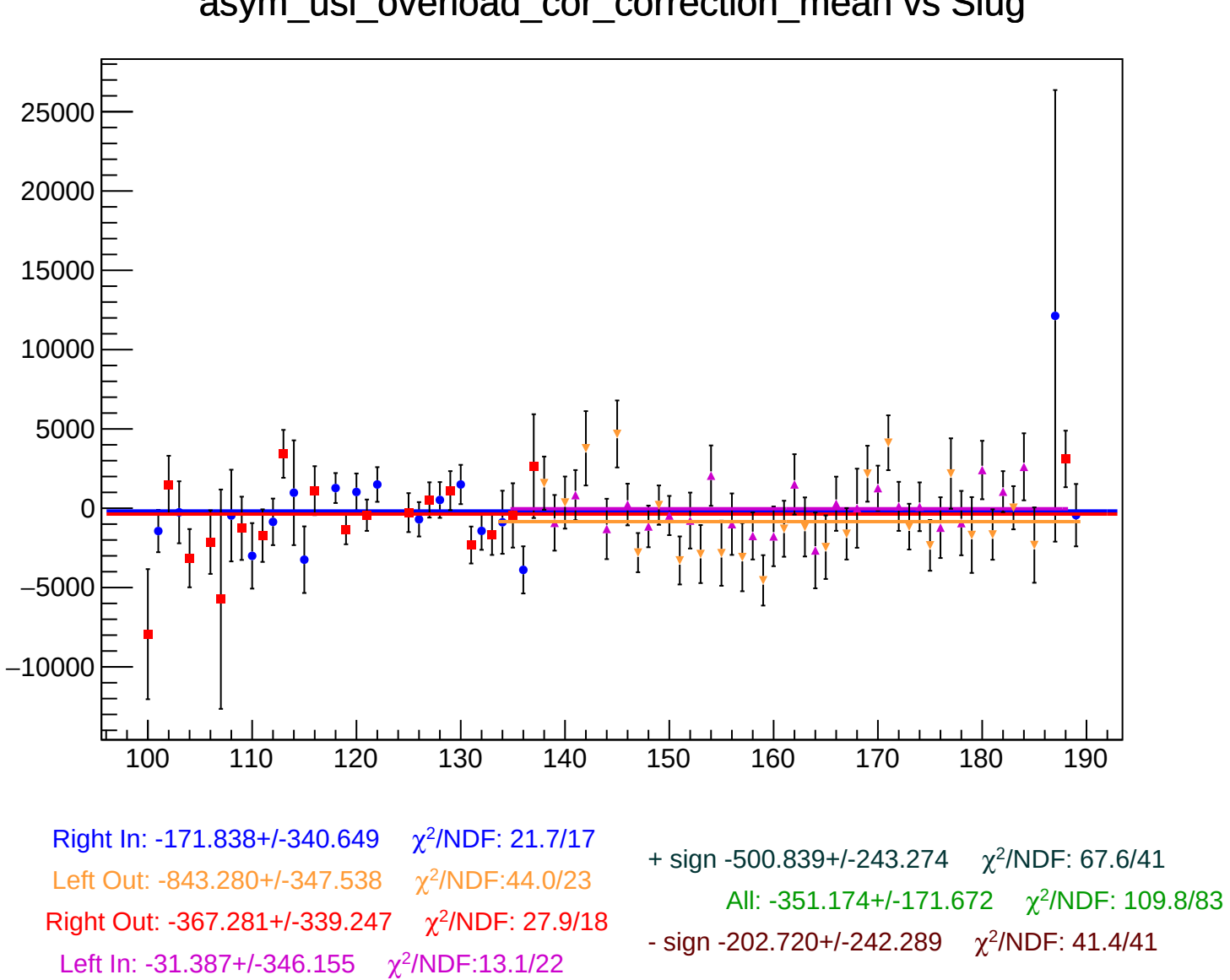
Right Out: 1128.387+/-0.273 χ^2/NDF: 356074.9/19

Left In: 1105.380+/-0.183 χ^2/NDF:3661.0/22

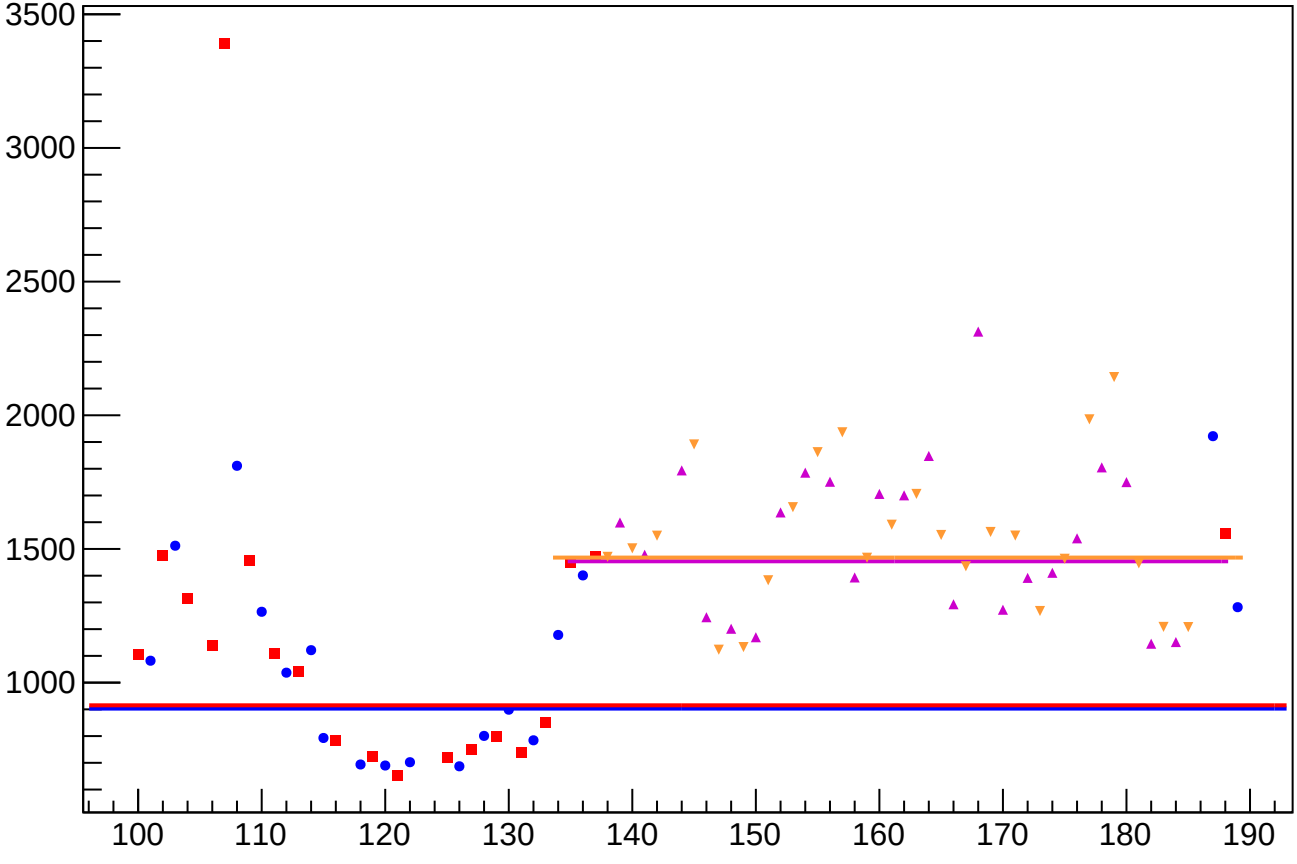
+ sign 1105.581+/-0.152 χ^2/NDF: 88303.6/41

All: 1109.035+/-0.107 χ^2/NDF: 453971.6/84

- sign 1112.477+/-0.152 χ^2/NDF: 364637.6/42


asym_usl_overload_cor_correction_mean vs Slug
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: -171.838+/-340.649 χ²/NDF: 21.7/17
Left Out: -843.280+/-347.538 χ²/NDF:44.0/23
Right Out: -367.281+/-339.247 χ²/NDF: 27.9/18
Left In: -31.387+/-346.155 χ²/NDF:13.1/22
+ sign -500.839+/-243.274 χ²/NDF: 67.6/41
All: -351.174+/-171.672 χ²/NDF: 109.8/83
- sign -202.720+/-242.289 χ²/NDF: 41.4/41

asym_usl_overload_cor_correction_rms vs Slug



Right In: 902.838+/-0.241 χ^2/NDF: 1215946.0/17

Left Out: 1467.697+/-0.246 χ^2/NDF:1041877.5/23

Right Out: 915.093+/-0.240 χ^2/NDF: 1611492.8/18

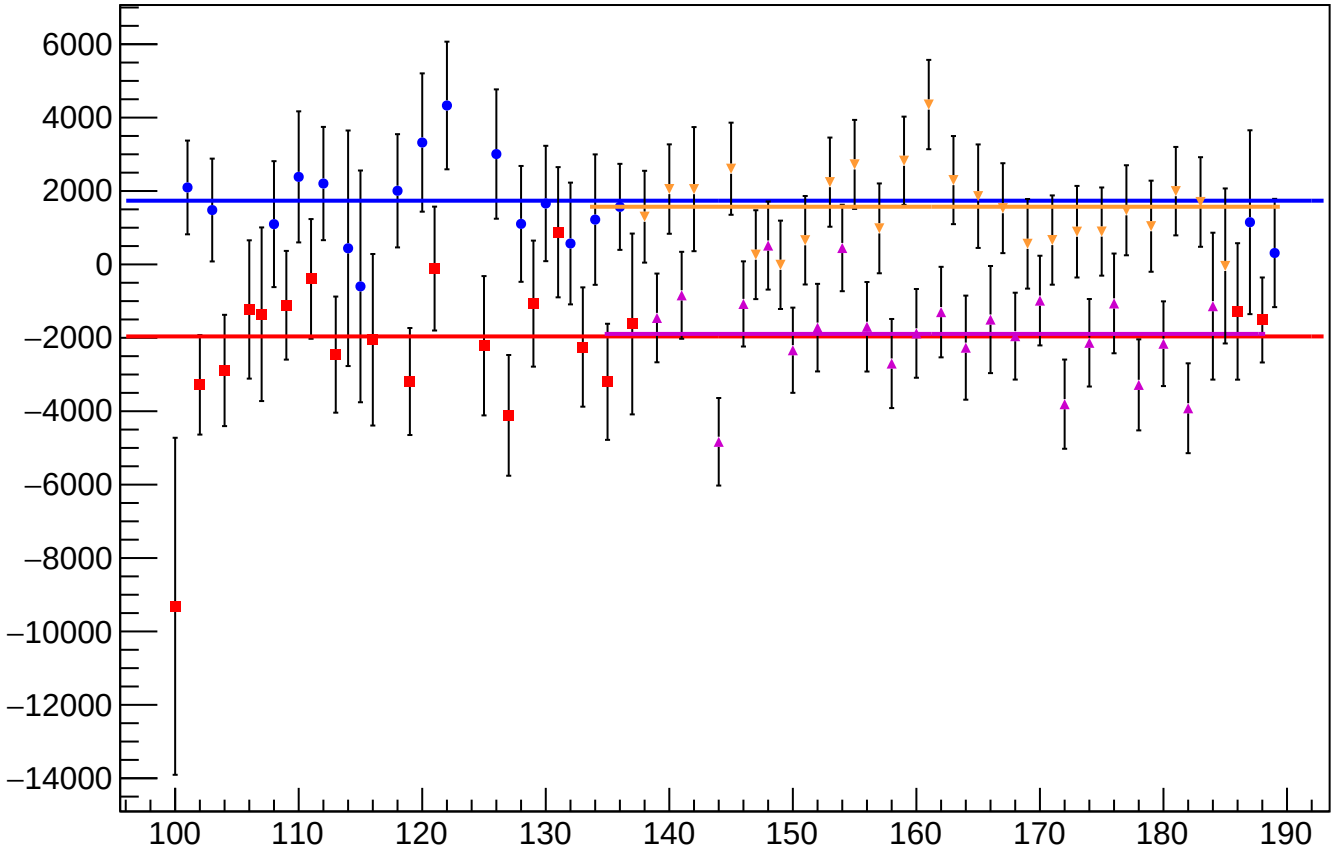
Left In: 1453.834+/-0.245 χ^2/NDF:1127997.5/22

+ sign 1179.614+/-0.172 χ^2/NDF: 4952356.3/41

All: 1179.323+/-0.121 χ^2/NDF: 10162921.1/8

- sign 1179.034+/-0.171 χ^2/NDF: 5210559.0/41

eigen_cor_asym_usl_mean vs Slug



Right In: 1736.014+/-389.789 χ^2/NDF: 6.4/17

Left Out: 1571.055+/-256.536 χ^2/NDF:15.4/23

Right Out: -1961.894+/-377.810 χ^2/NDF: 12.9/19

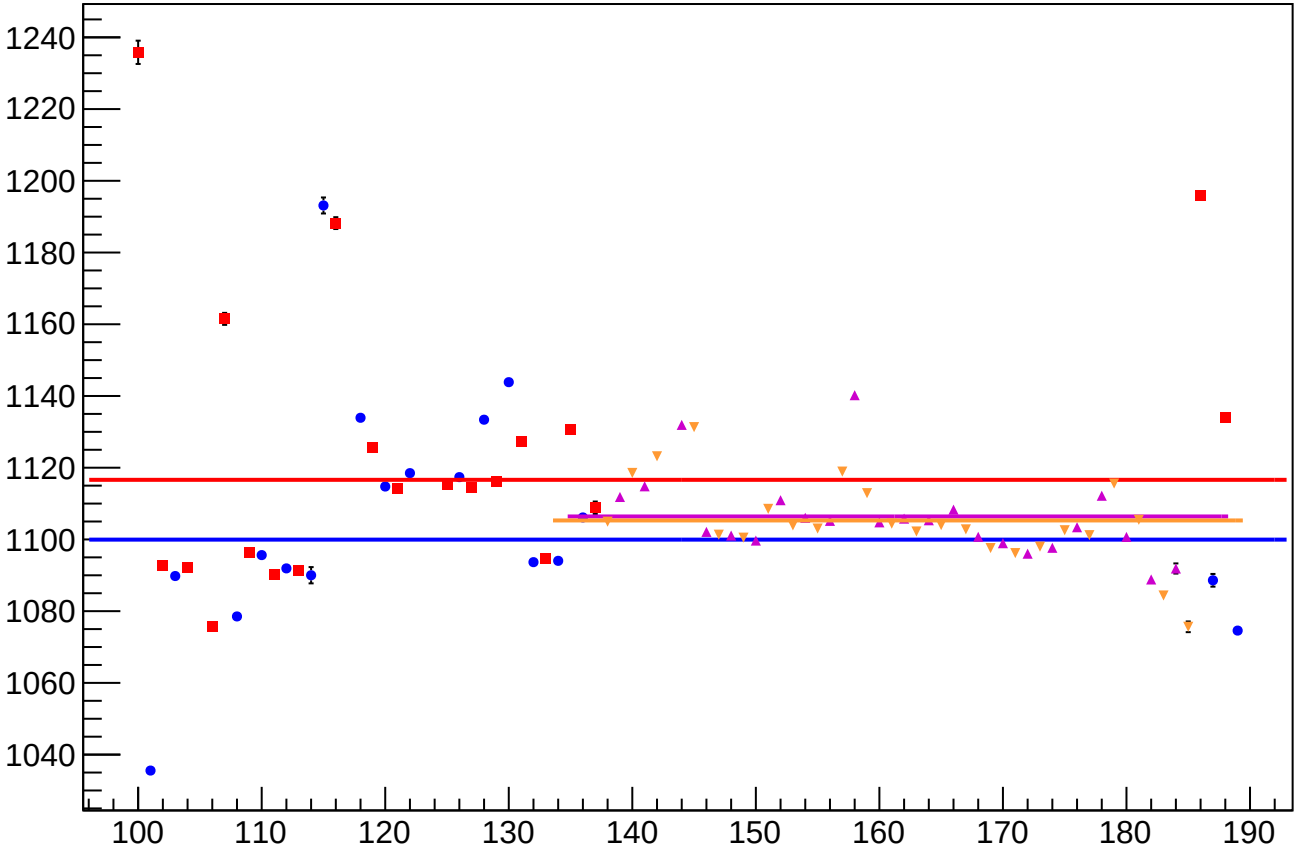
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1620.912+/-214.290 χ^2/NDF: 21.9/41

All: -155.726+/-151.158 χ^2/NDF: 195.7/84

- sign -1915.185+/-213.252 χ^2/NDF: 37.0/42

eigen_cor_asym_usl_rms vs Slug



Right In: 1099.947+/-0.276 χ^2/NDF: 12042.1/17

Left Out: 1105.294+/-0.181 χ^2/NDF:3161.8/23

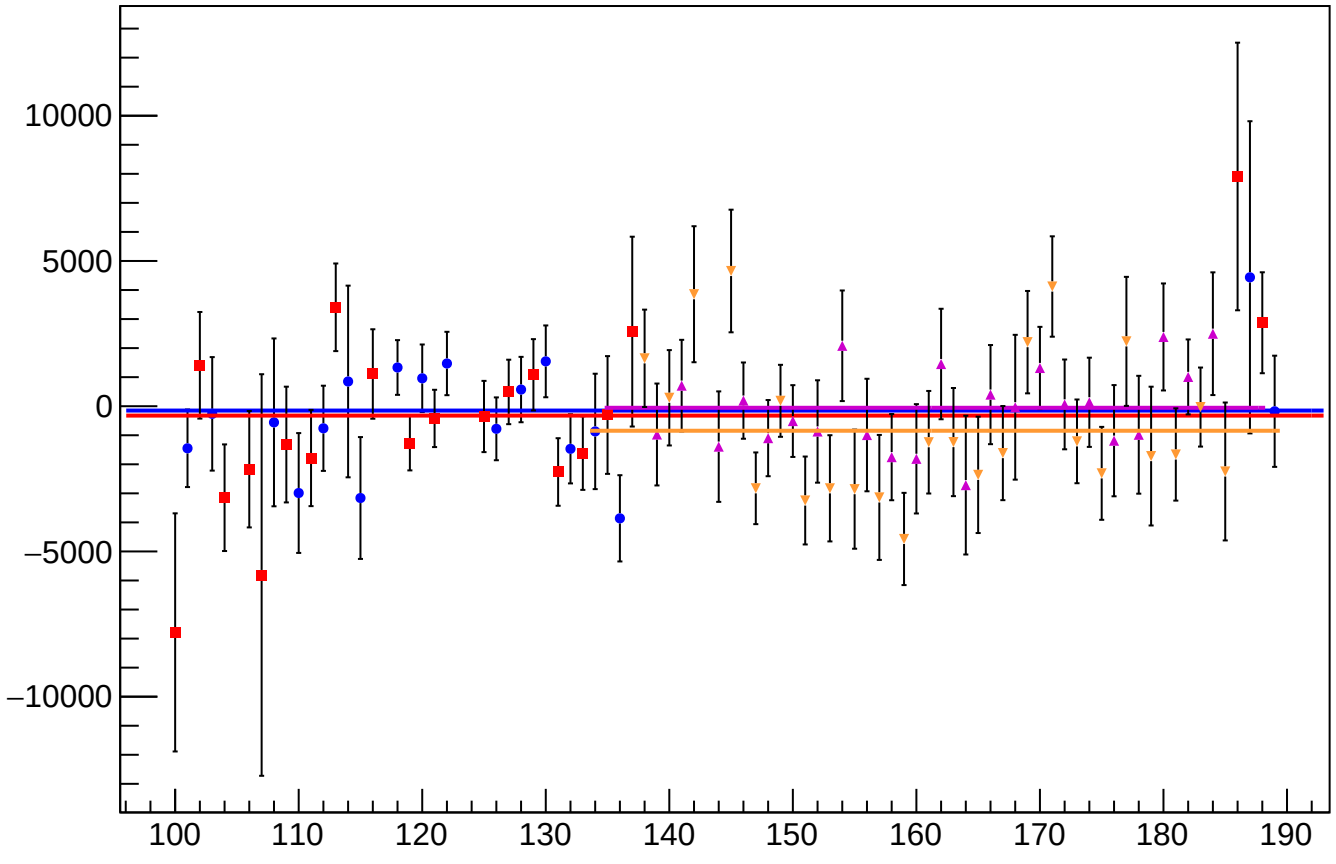
Right Out: 1116.621+/-0.267 χ^2/NDF: 12227.1/19

Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

+ sign 1103.678+/-0.152 χ^2/NDF: 15466.6/41

All: 1106.683+/-0.107 χ^2/NDF: 33249.4/84

- sign 1109.660+/-0.151 χ^2/NDF: 16999.9/42



Right In: -149.741+/-339.271 χ^2/NDF: 21.7/17

Left Out: -844.649+/-347.346 χ^2/NDF:44.2/23

Right Out: -322.955+/-337.536 χ^2/NDF: 30.1/19

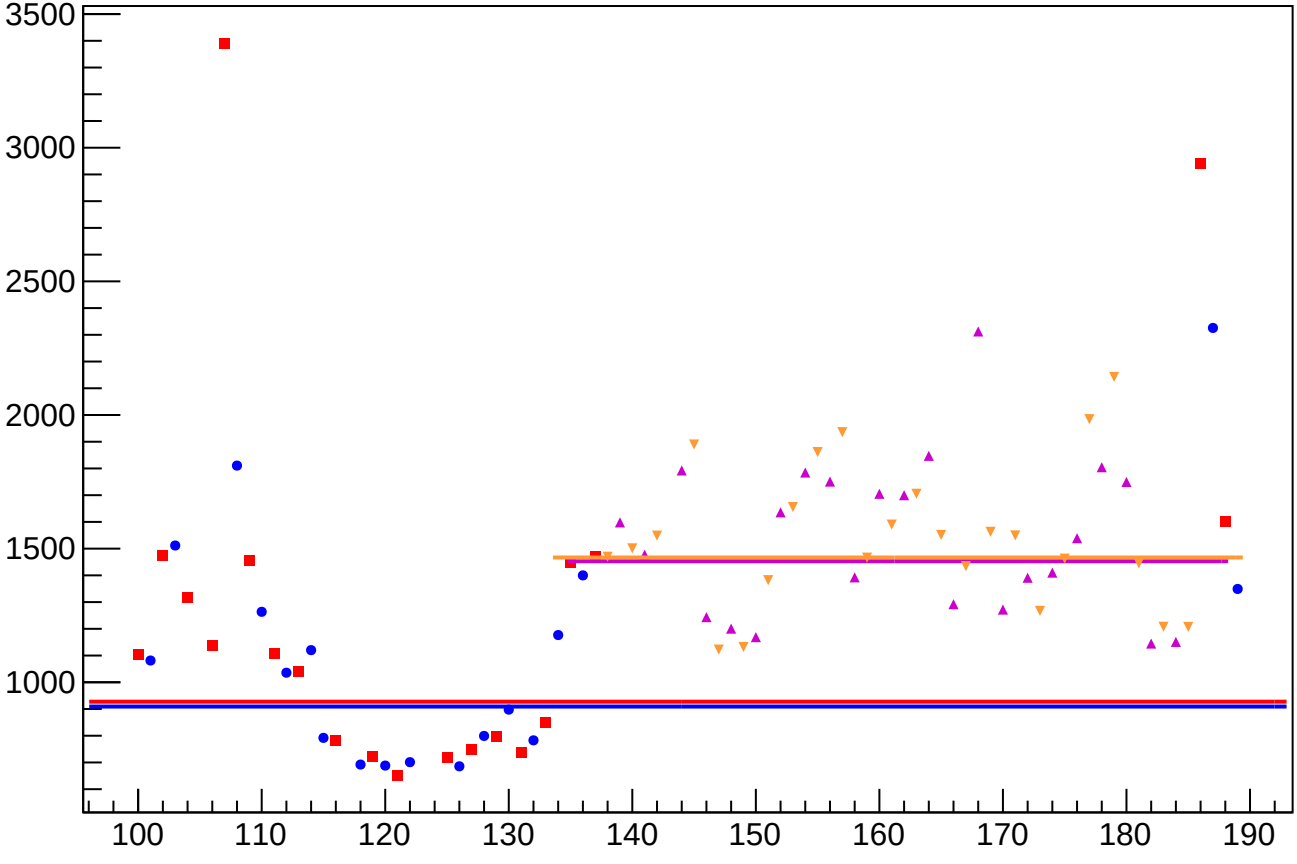
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -489.022+/-242.705 χ^2/NDF: 67.9/41

All: -339.813+/-171.226 χ^2/NDF: 112.2/84

- sign -191.962+/-241.598 χ^2/NDF: 43.5/42

asym_usl_eigen_cor_correction_rms vs Slug



Right In: 909.144+/-0.240 χ^2/NDF: 1384307.5/17

Left Out: 1466.846+/-0.246 χ^2/NDF:1043303.8/23

Right Out: 927.352+/-0.239 χ^2/NDF: 2052456.3/19

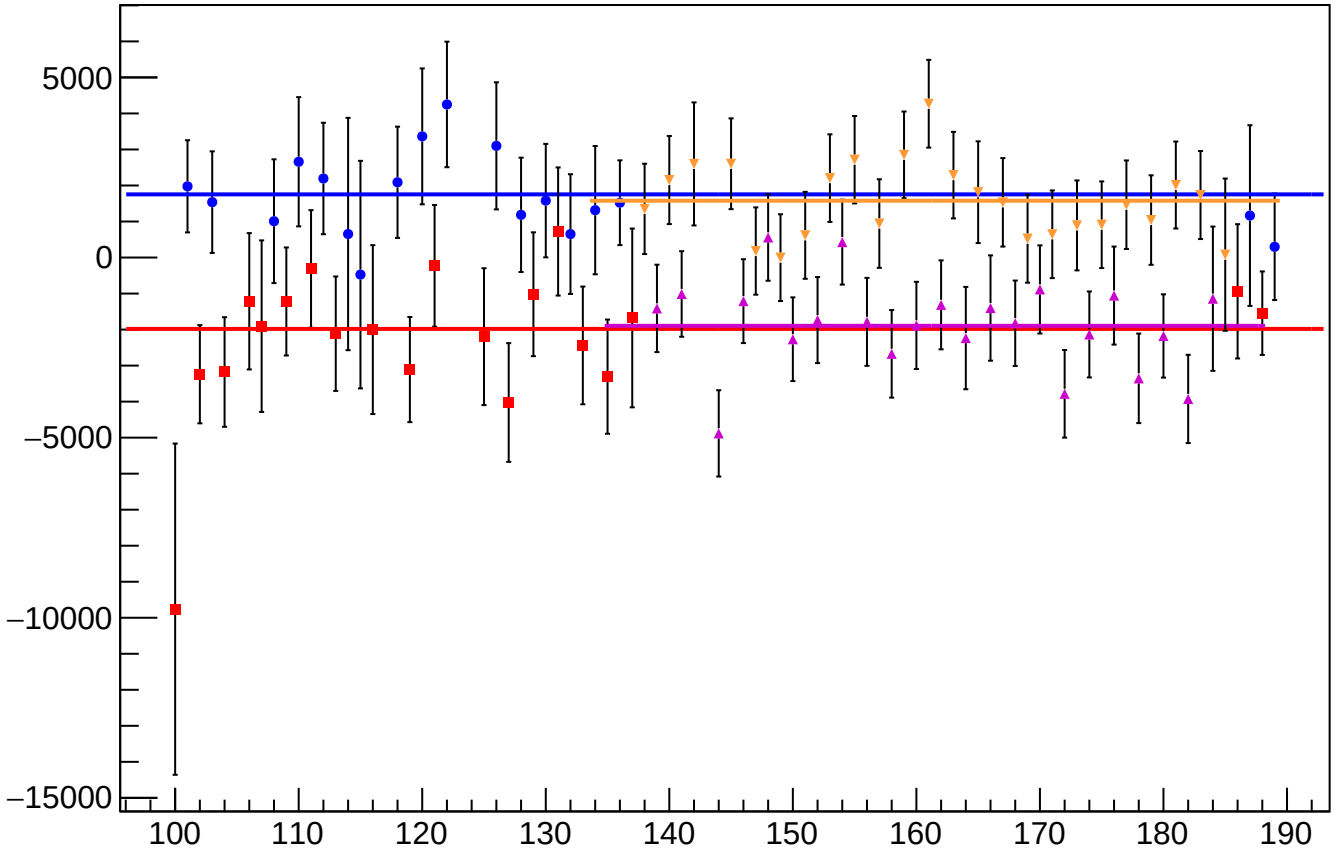
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1181.436+/-0.172 χ^2/NDF: 5066220.0/41

All: 1182.568+/-0.121 χ^2/NDF: 10613599.3/8

- sign 1183.689+/-0.171 χ^2/NDF: 5547292.7/42

dit_asym_usl_mean vs Slug



Right In: 1753.471+/-390.887 χ^2/NDF: 6.3/17

Left Out: 1577.402+/-257.003 χ^2/NDF:15.5/23

Right Out: -1981.316+/-379.081 χ^2/NDF: 12.9/19

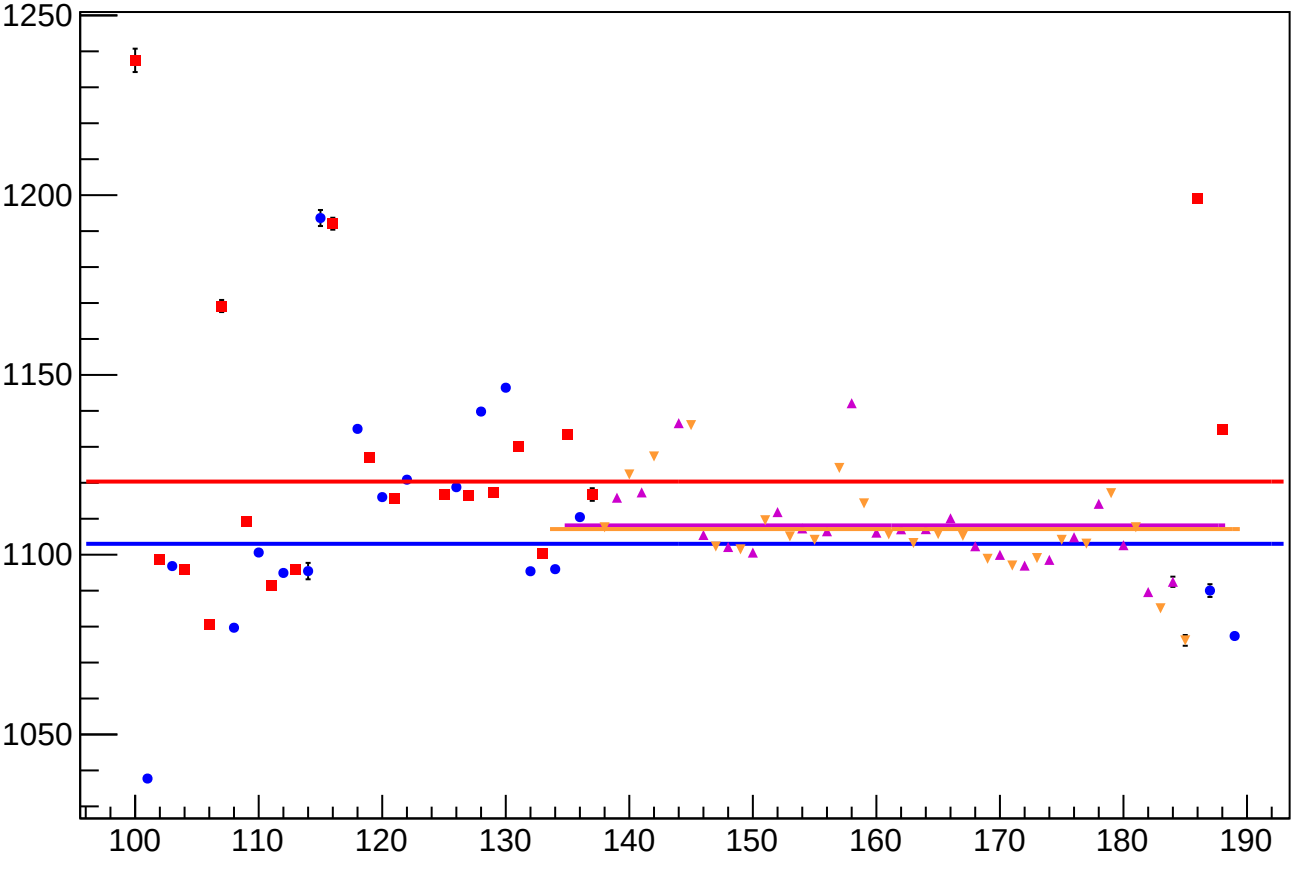
Left In: -1895.548+/-258.750 χ^2/NDF:24.1/22

+ sign 1630.542+/-214.745 χ^2/NDF: 22.0/41

All: -154.704+/-151.481 χ^2/NDF: 196.6/84

- sign -1922.807+/-213.711 χ^2/NDF: 37.0/42

dit_asym_usl_rms vs Slug



Right In: 1103.029+/-0.276 χ^2/NDF: 12050.2/17

Left Out: 1107.127+/-0.182 χ^2/NDF:3783.7/23

Right Out: 1120.338+/-0.268 χ^2/NDF: 11582.1/19

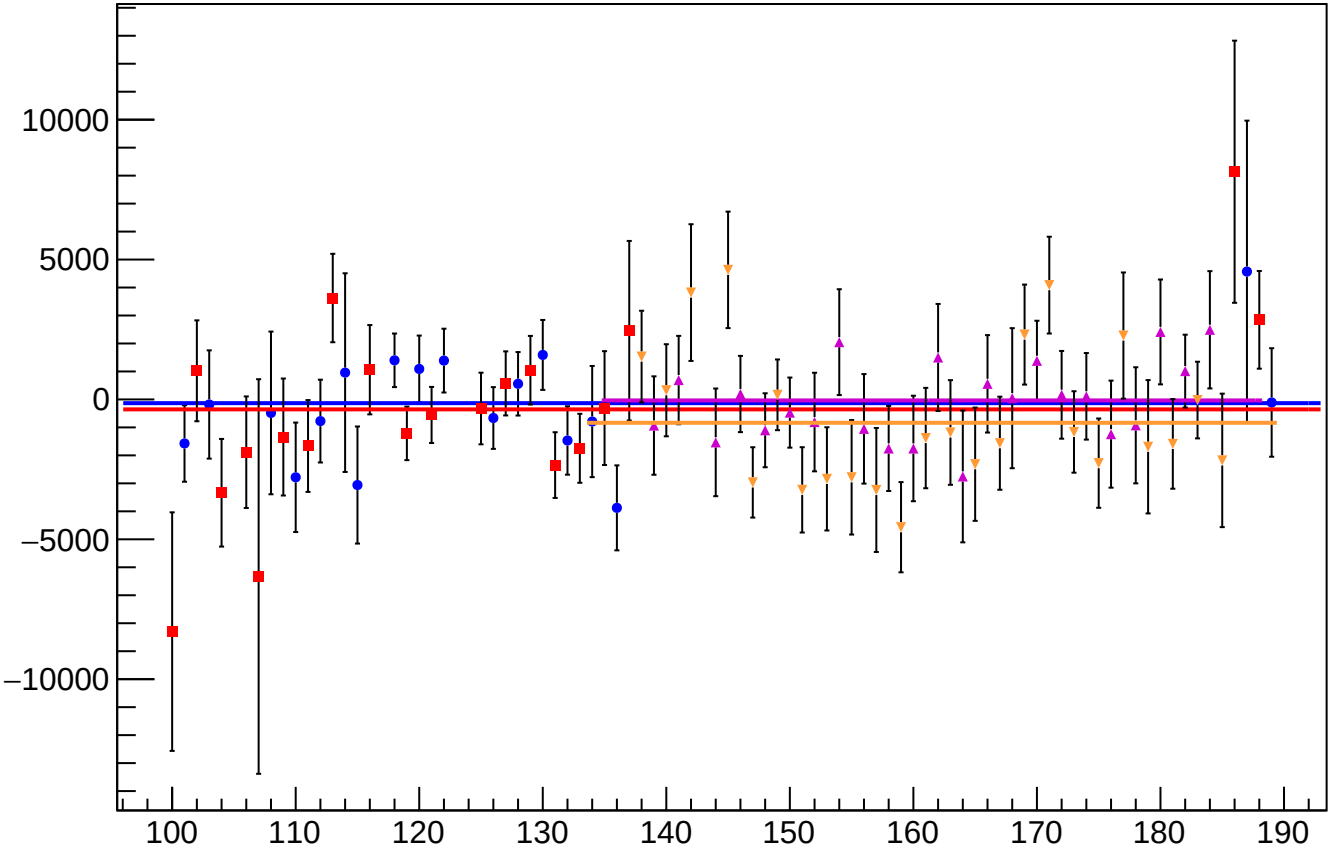
Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

+ sign 1105.890+/-0.152 χ^2/NDF: 15987.4/41

All: 1108.970+/-0.107 χ^2/NDF: 33990.5/84

- sign 1112.021+/-0.151 χ^2/NDF: 17184.1/42

asym_usl_dit_correction_mean vs Slug



Right In: -133.244+/-344.986 χ^2/NDF: 21.2/17

Left Out: -835.288+/-350.615 χ^2/NDF:43.6/23

Right Out: -355.780+/-342.641 χ^2/NDF: 30.1/19

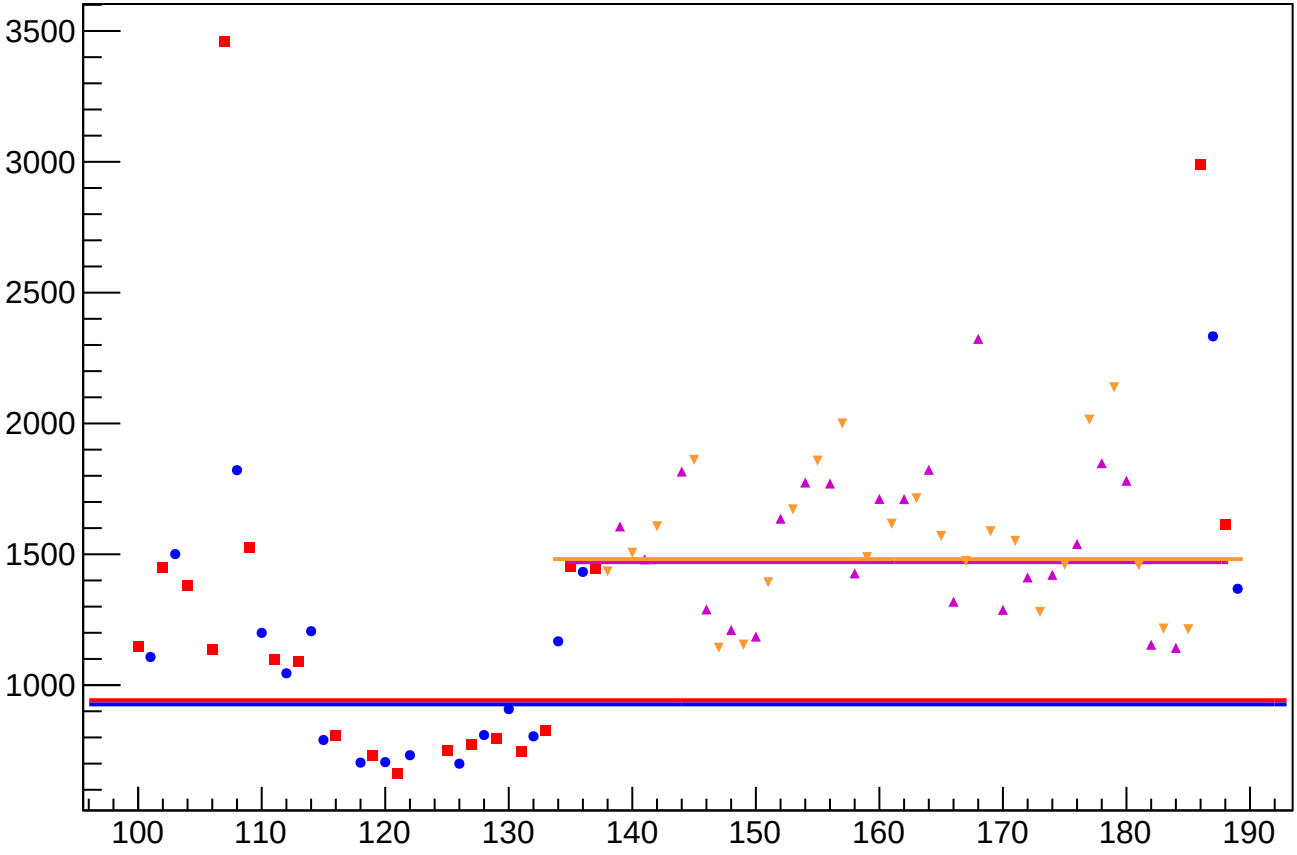
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

+ sign -478.585+/-245.908 χ^2/NDF: 66.8/41

All: -338.057+/-173.461 χ^2/NDF: 111.2/84

- sign -198.884+/-244.719 χ^2/NDF: 43.7/42

asym_usl_dit_correction_rms vs Slug



Right In: 926.491+/-0.244 χ^2/NDF: 1325863.1/17

Left Out: 1481.543+/-0.248 χ^2/NDF:1017463.8/23

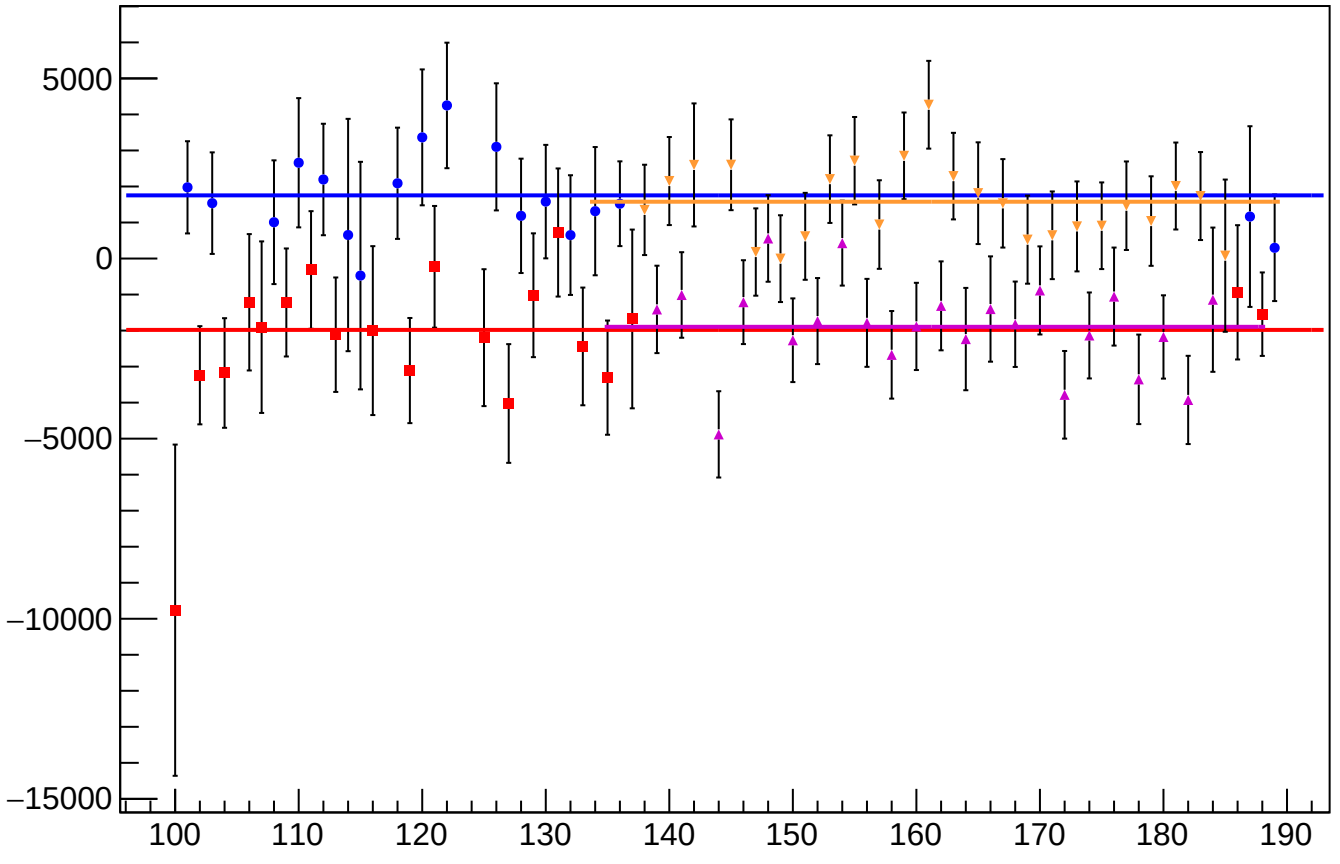
Right Out: 942.188+/-0.242 χ^2/NDF: 2040690.5/19

Left In: 1469.907+/-0.247 χ^2/NDF:1095056.5/22

+ sign 1199.526+/-0.174 χ^2/NDF: 4890035.3/41

All: 1200.123+/-0.123 χ^2/NDF: 10349948.0/8

- sign 1200.715+/-0.173 χ^2/NDF: 5459889.1/42



Right In: 1753.470+/-390.887 χ^2/NDF: 6.3/17

Left Out: 1577.399+/-257.003 χ^2/NDF:15.5/23

Right Out: -1981.313+/-379.081 χ^2/NDF: 12.9/19

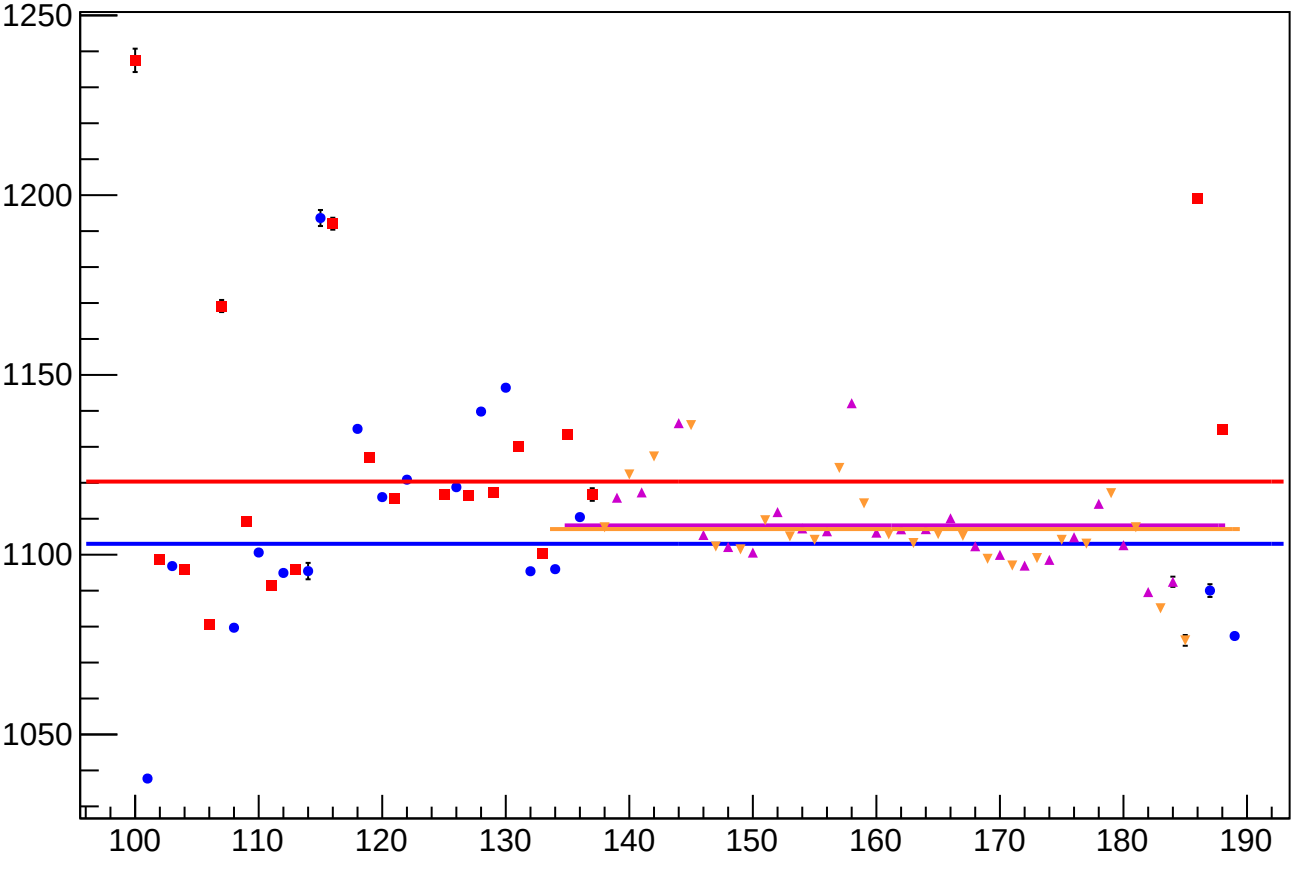
Left In: -1895.549+/-258.750 χ^2/NDF:24.1/22

+ sign 1630.540+/-214.745 χ^2/NDF: 22.0/41

All: -154.705+/-151.481 χ^2/NDF: 196.6/84

- sign -1922.807+/-213.711 χ^2/NDF: 37.0/42

eigen_dit_asym_usl_rms vs Slug



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Left Out: 1107.127+/-0.182 χ^2/NDF:3783.7/23

Right Out: 1120.338+/-0.268 χ^2/NDF: 11582.1/19

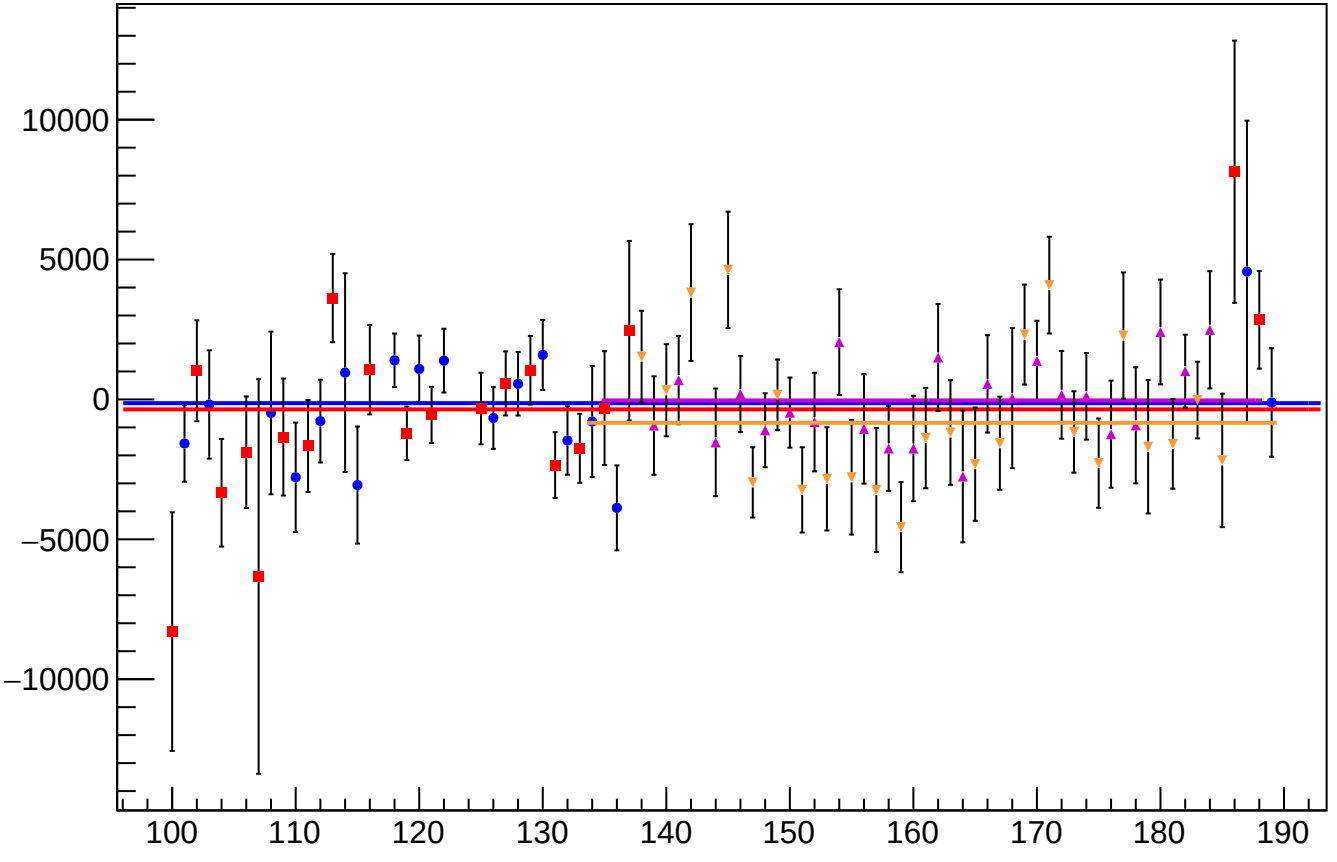
Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

+ sign 1105.890+/-0.152 χ^2/NDF: 15987.4/41

All: 1108.970+/-0.107 χ^2/NDF: 33990.5/84

- sign 1112.021+/-0.151 χ^2/NDF: 17184.1/42

asym_usl_eigen_dit_correction_mean vs Slug



Right In: -133.243+/-344.985 χ^2/NDF: 21.2/17

Left Out: -835.291+/-350.615 χ^2/NDF:43.6/23

Right Out: -355.780+/-342.640 χ^2/NDF: 30.1/19

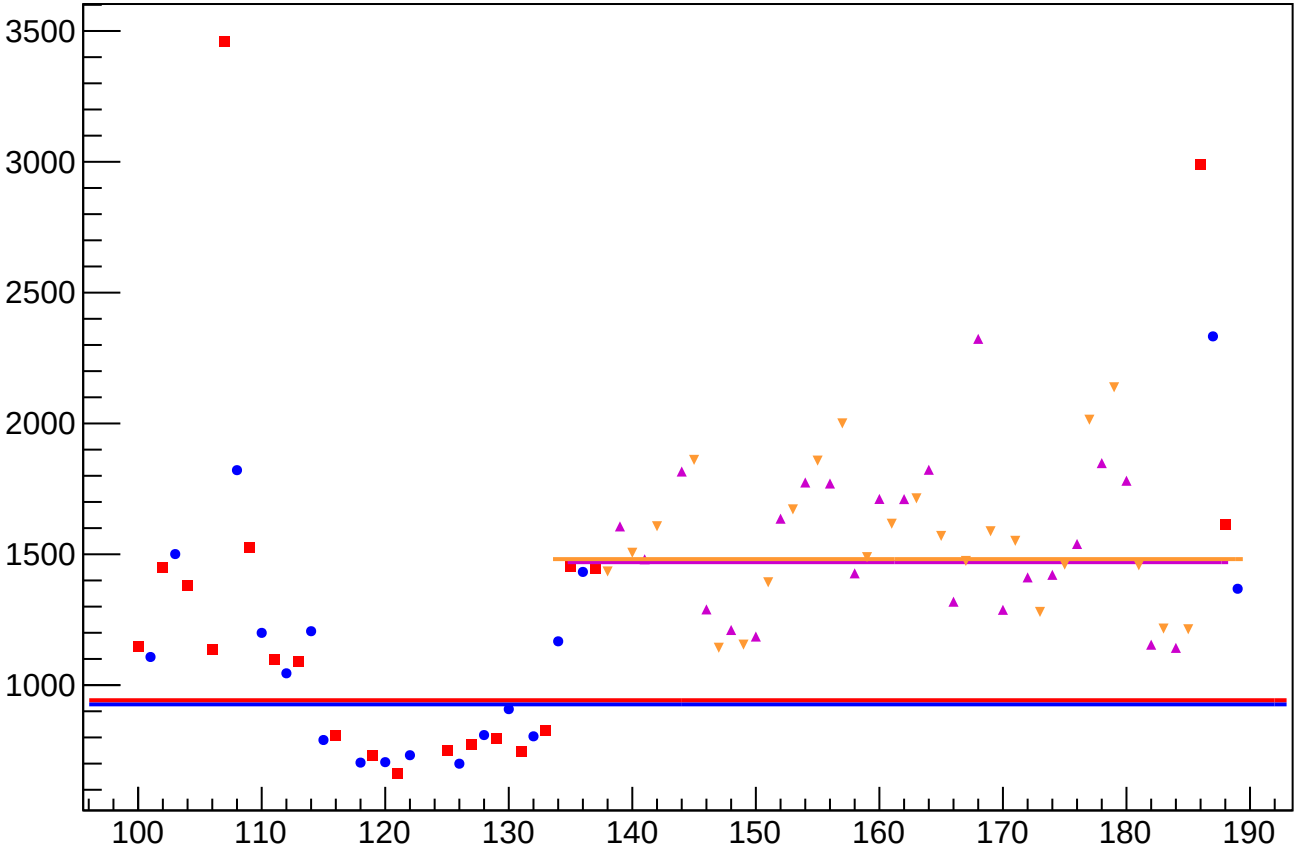
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

+ sign -478.585+/-245.908 χ^2/NDF: 66.8/41

All: -338.057+/-173.461 χ^2/NDF: 111.2/84

- sign -198.885+/-244.719 χ^2/NDF: 43.7/42

asym_usl_eigen_dit_correction_rms vs Slug



Right In: 926.489+/-0.244 χ^2/NDF: 1325869.2/17

Left Out: 1481.545+/-0.248 χ^2/NDF:1017460.8/23

Right Out: 942.185+/-0.242 χ^2/NDF: 2040697.1/19

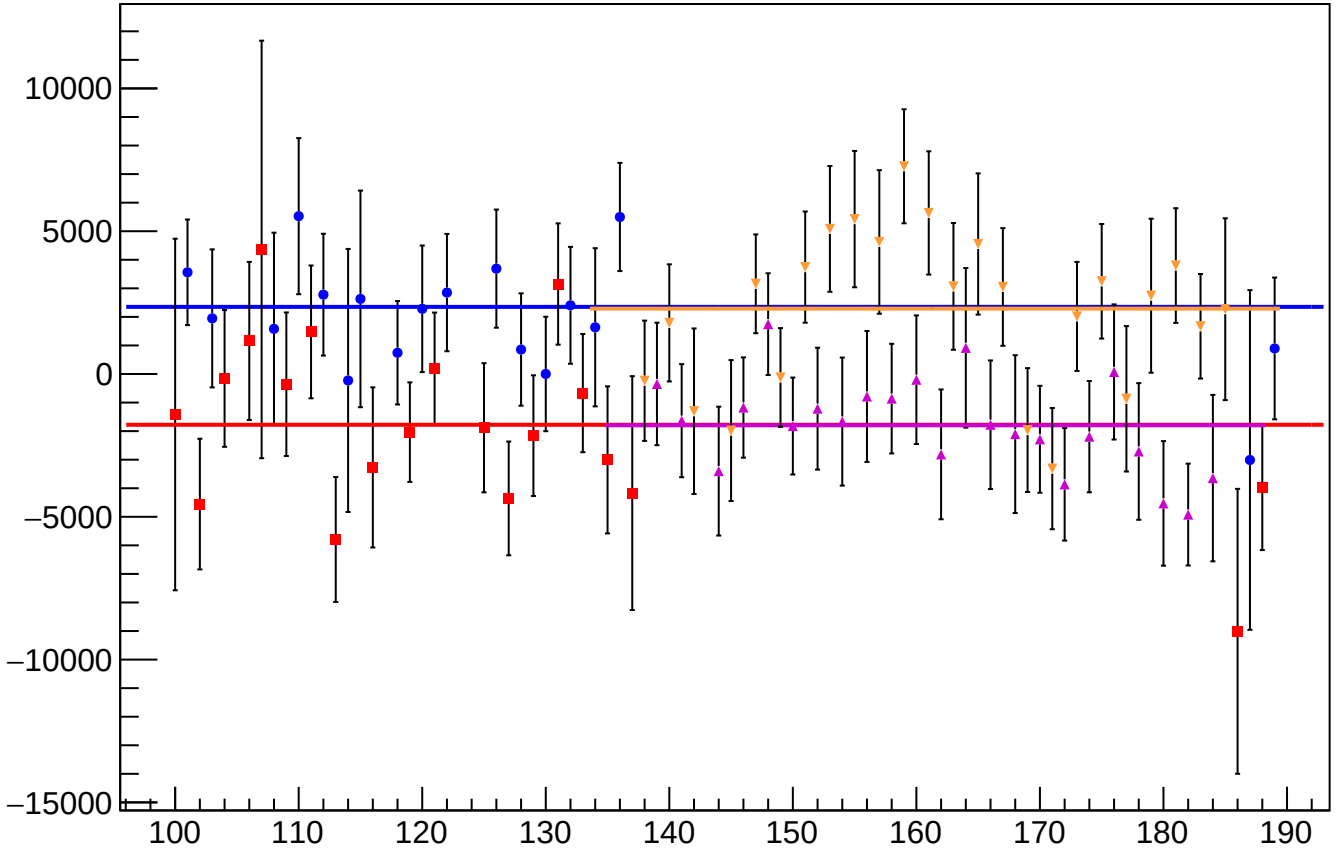
Left In: 1469.908+/-0.247 χ^2/NDF:1095054.0/22

+ sign 1199.525+/-0.174 χ^2/NDF: 4890072.0/41

All: 1200.122+/-0.123 χ^2/NDF: 10350022.2/8

- sign 1200.714+/-0.173 χ^2/NDF: 5459926.7/42

asym_usl_mean vs Slug



Right In: 2351.222+/-546.542 χ^2/NDF: 9.4/17

Left Out: 2289.701+/-439.328 χ^2/NDF:36.0/23

Right Out: -1777.337+/-542.382 χ^2/NDF: 21.8/19

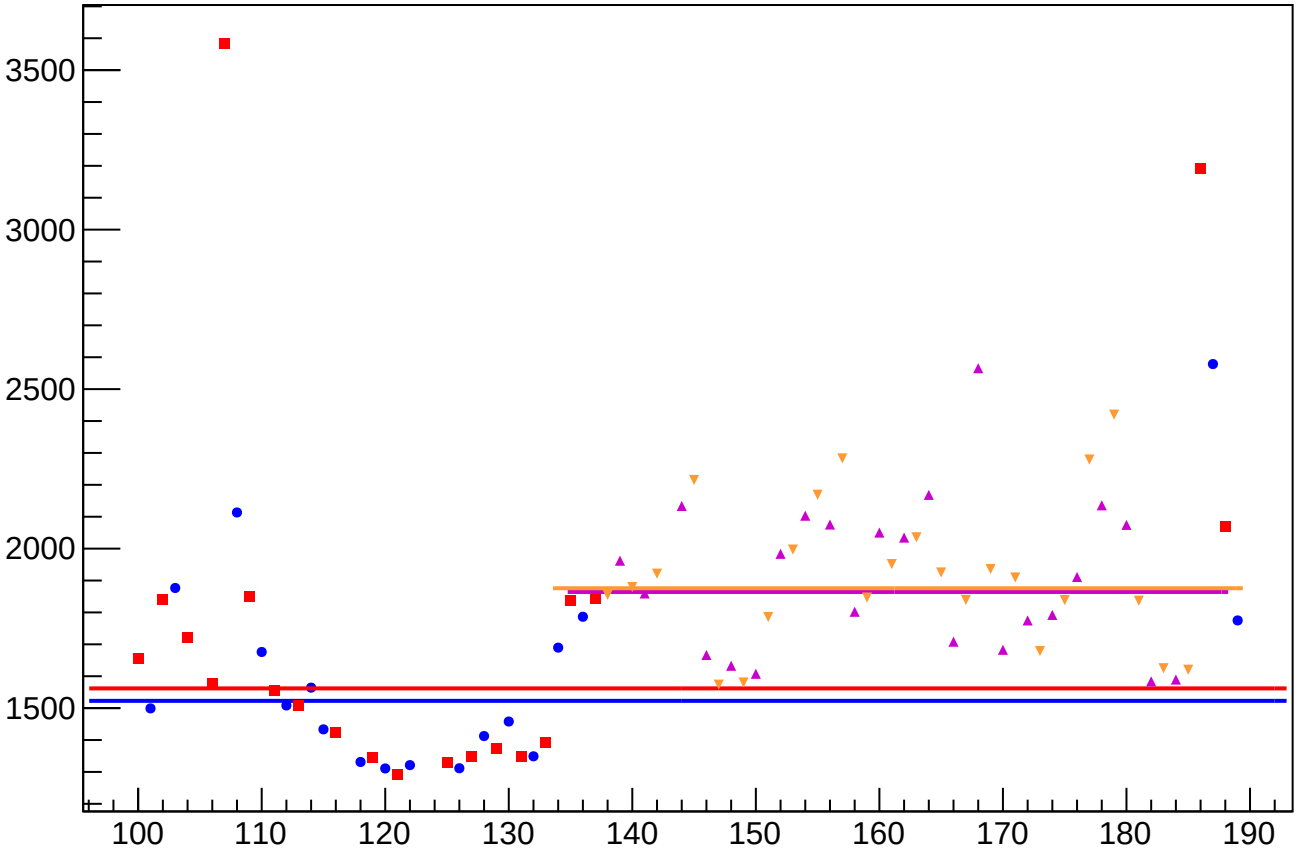
Left In: -1796.308+/-439.143 χ^2/NDF:14.2/22

+ sign 2313.849+/-342.417 χ^2/NDF: 45.5/41

All: 255.824+/-241.729 χ^2/NDF: 153.5/84

- sign -1788.796+/-341.300 χ^2/NDF: 36.1/42

asym_usl_rms vs Slug



Right In: 1522.793+/-0.386 χ^2/NDF: 345625.6/17

Left Out: 1875.818+/-0.311 χ^2/NDF:472556.0/23

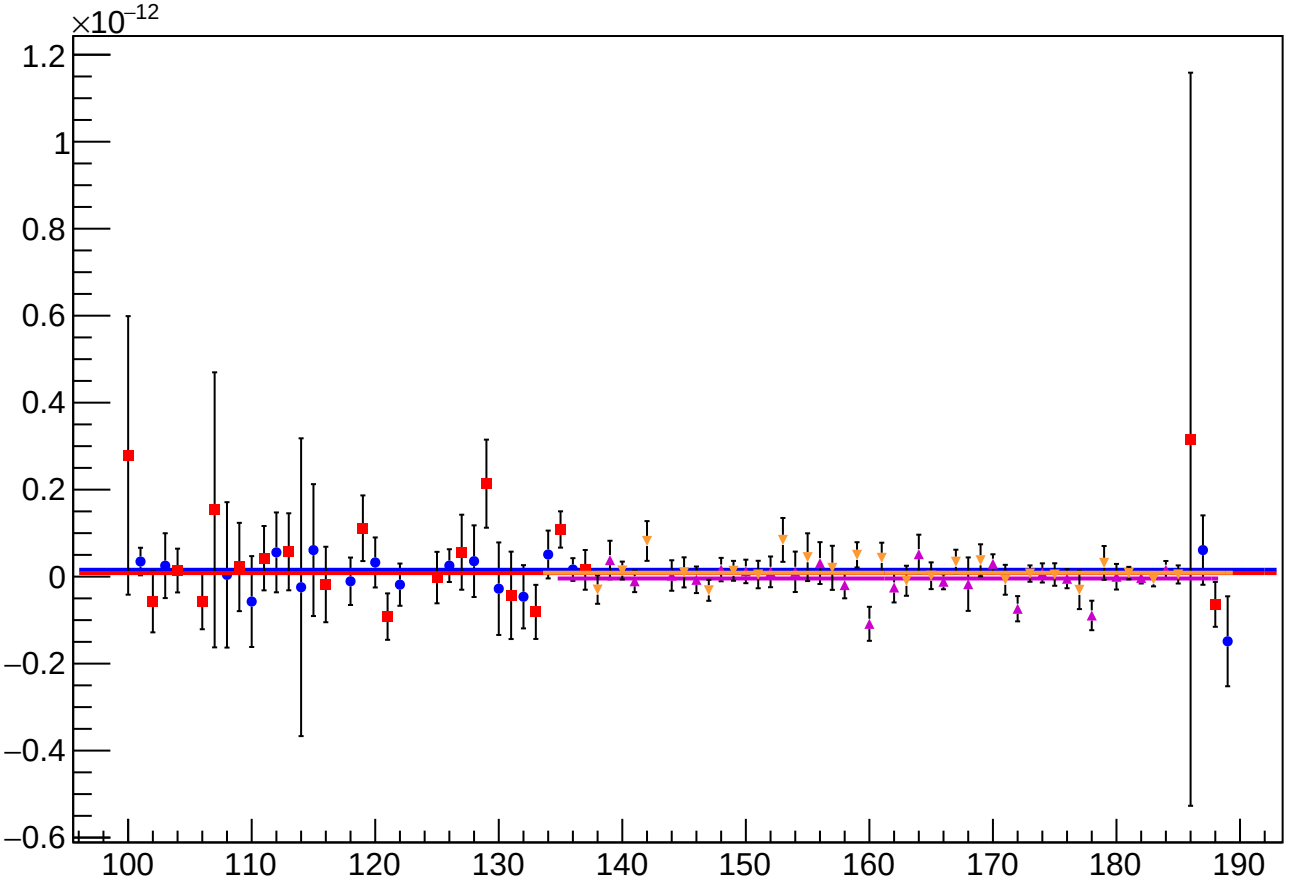
Right Out: 1561.880+/-0.384 χ^2/NDF: 742135.4/19

Left In: 1864.162+/-0.311 χ^2/NDF:510600.5/22

+ sign 1737.249+/-0.242 χ^2/NDF: 1325085.9/41

All: 1740.870+/-0.171 χ^2/NDF: 2953503.0/84

- sign 1744.468+/-0.241 χ^2/NDF: 1627971.1/42



Right In: 0.000+/-0.000 χ^2/NDF: 6.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:16.6/23

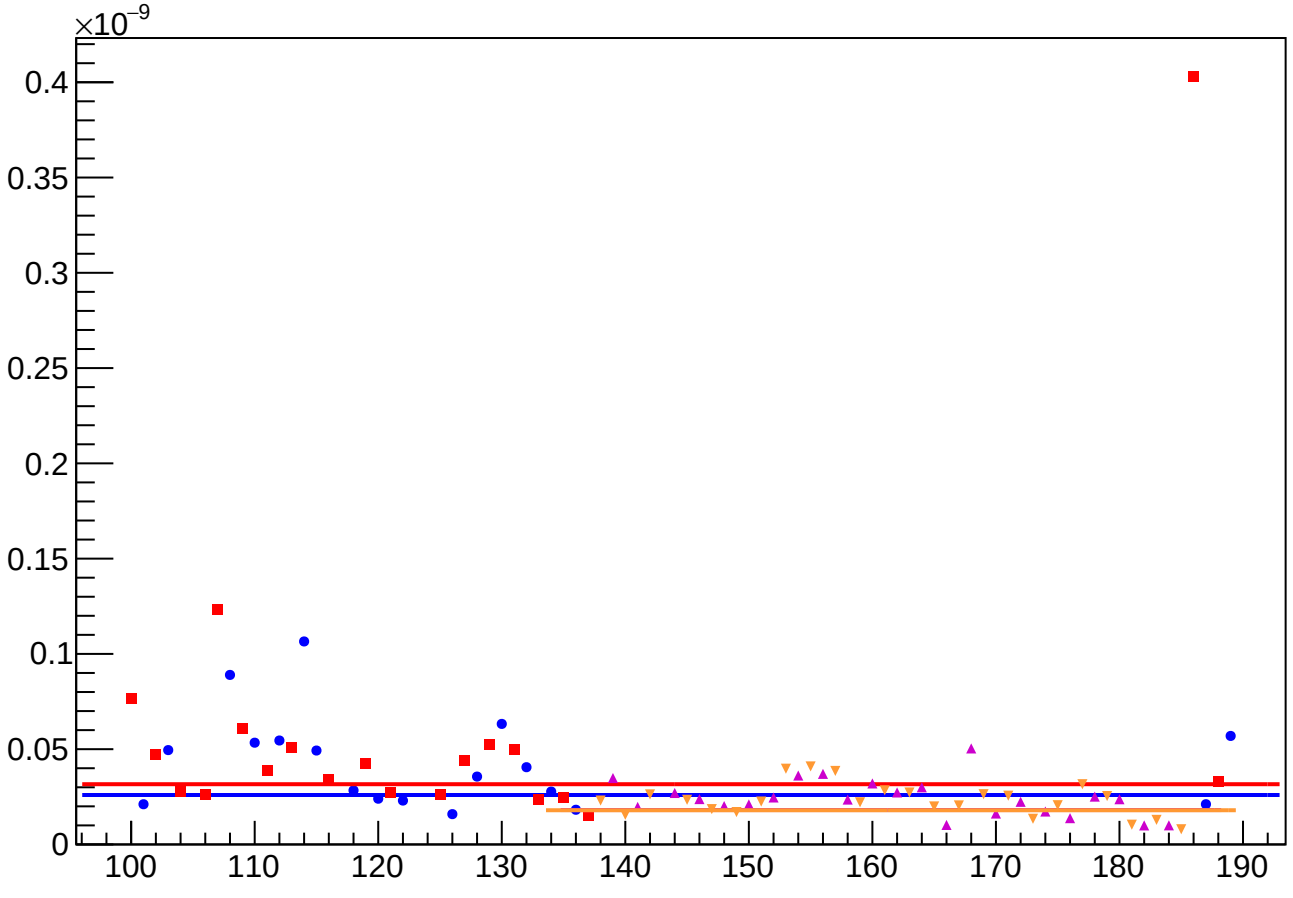
Right Out: 0.000+/-0.000 χ^2/NDF: 23.5/19

Left In: -0.000+/-0.000 χ^2/NDF:28.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 23.1/41

All: 0.000+/-0.000 χ^2/NDF: 78.4/84

- sign -0.000+/-0.000 χ^2/NDF: 52.2/42



Right In: 0.000+/-0.000 χ^2/NDF: 1896475.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:3491055.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1617732.7/19

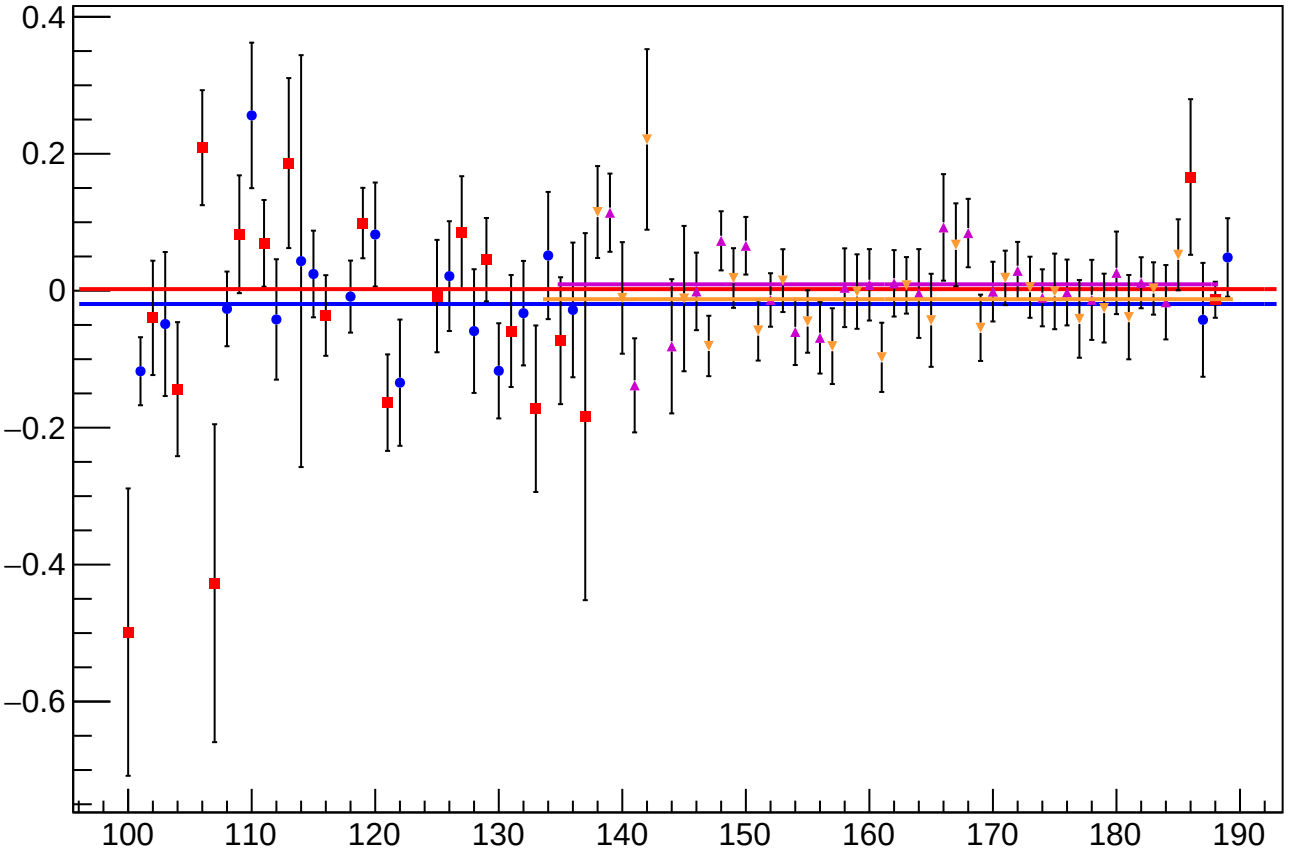
Left In: 0.000+/-0.000 χ^2/NDF:4180182.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 6012637.2/41

All: 0.000+/-0.000 χ^2/NDF: 13199550.2/84

- sign 0.000+/-0.000 χ^2/NDF: 7178045.8/42

asym_usl_dit_vs_cor_diff_mean vs Slug



Right In: -0.019+/-0.017 χ^2/NDF: 19.2/17

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: 0.002+/-0.015 χ^2/NDF: 39.0/19

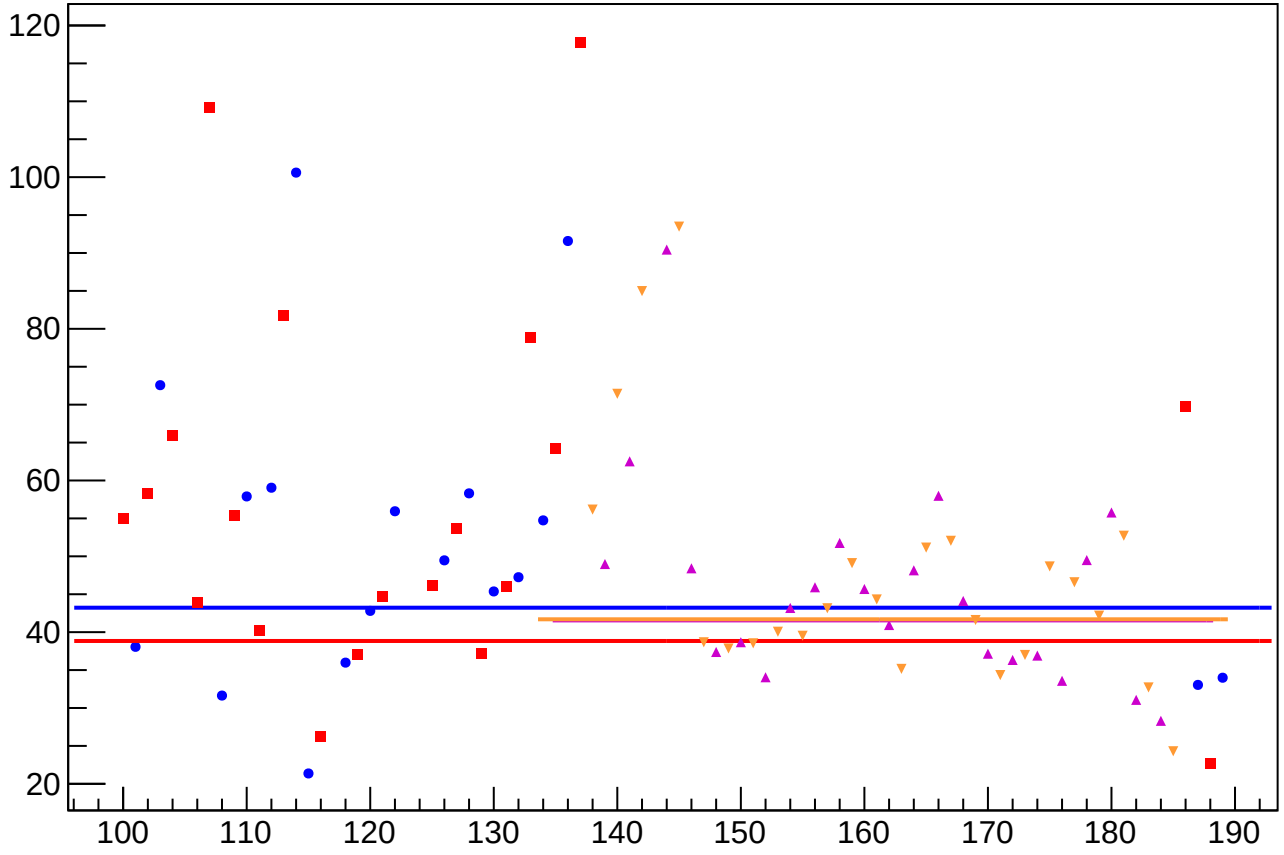
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.014+/-0.009 χ^2/NDF: 41.3/41

All: -0.003+/-0.006 χ^2/NDF: 105.3/84

- sign 0.007+/-0.009 χ^2/NDF: 61.1/42

asym_usl_dit_vs_cor_diff_rms vs Slug



Right In: 43.225+/-0.012 χ^2/NDF: 1429323.3/17

Left Out: 41.694+/-0.007 χ^2/NDF:1821790.0/23

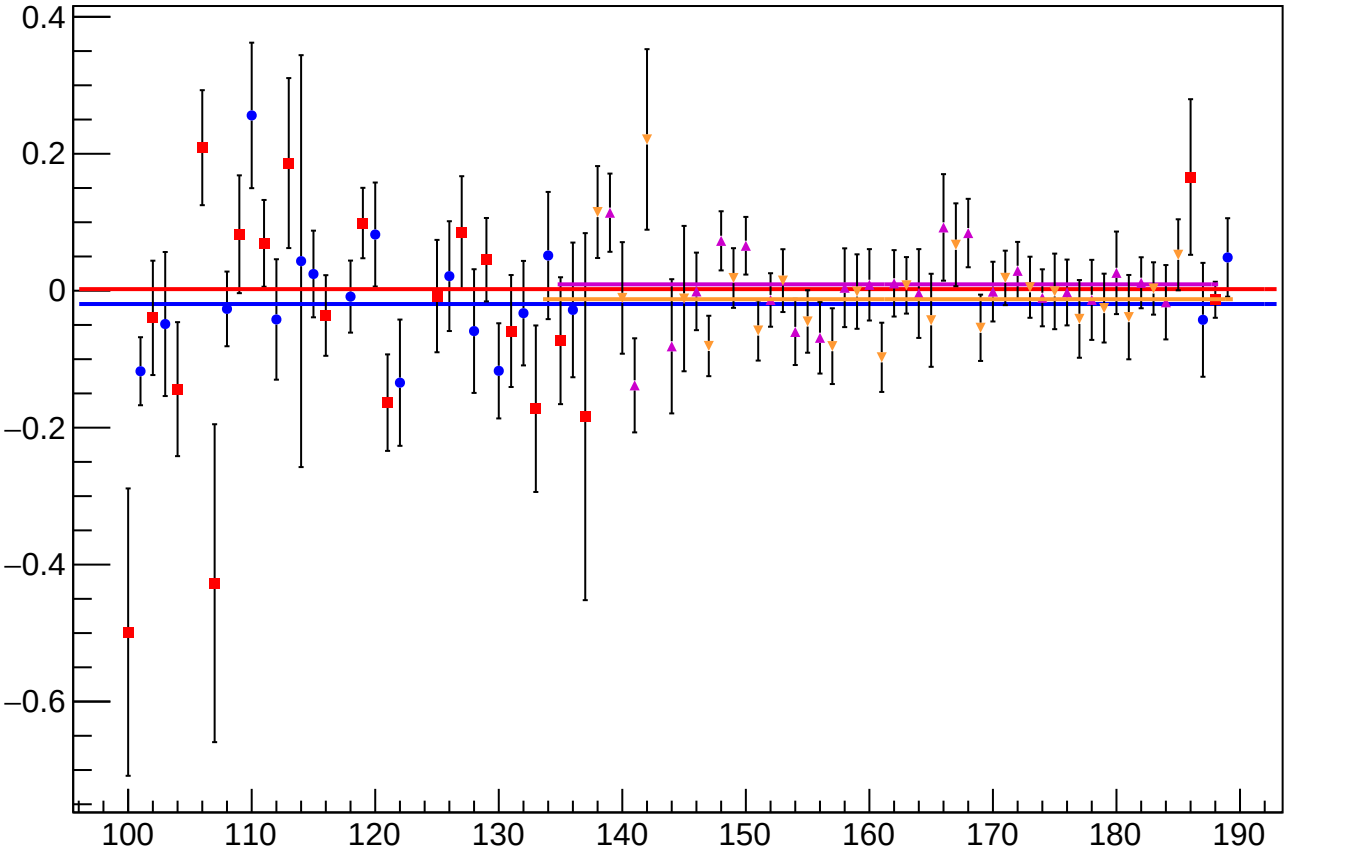
Right Out: 38.837+/-0.011 χ^2/NDF: 2420825.7/19

Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

+ sign 42.101+/-0.006 χ^2/NDF: 3262422.0/41

All: 41.374+/-0.004 χ^2/NDF: 7363724.2/84

- sign 40.696+/-0.006 χ^2/NDF: 4076013.7/42



Right In: -0.019+/-0.017 χ^2/NDF: 19.2/17

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: 0.002+/-0.015 χ^2/NDF: 39.0/19

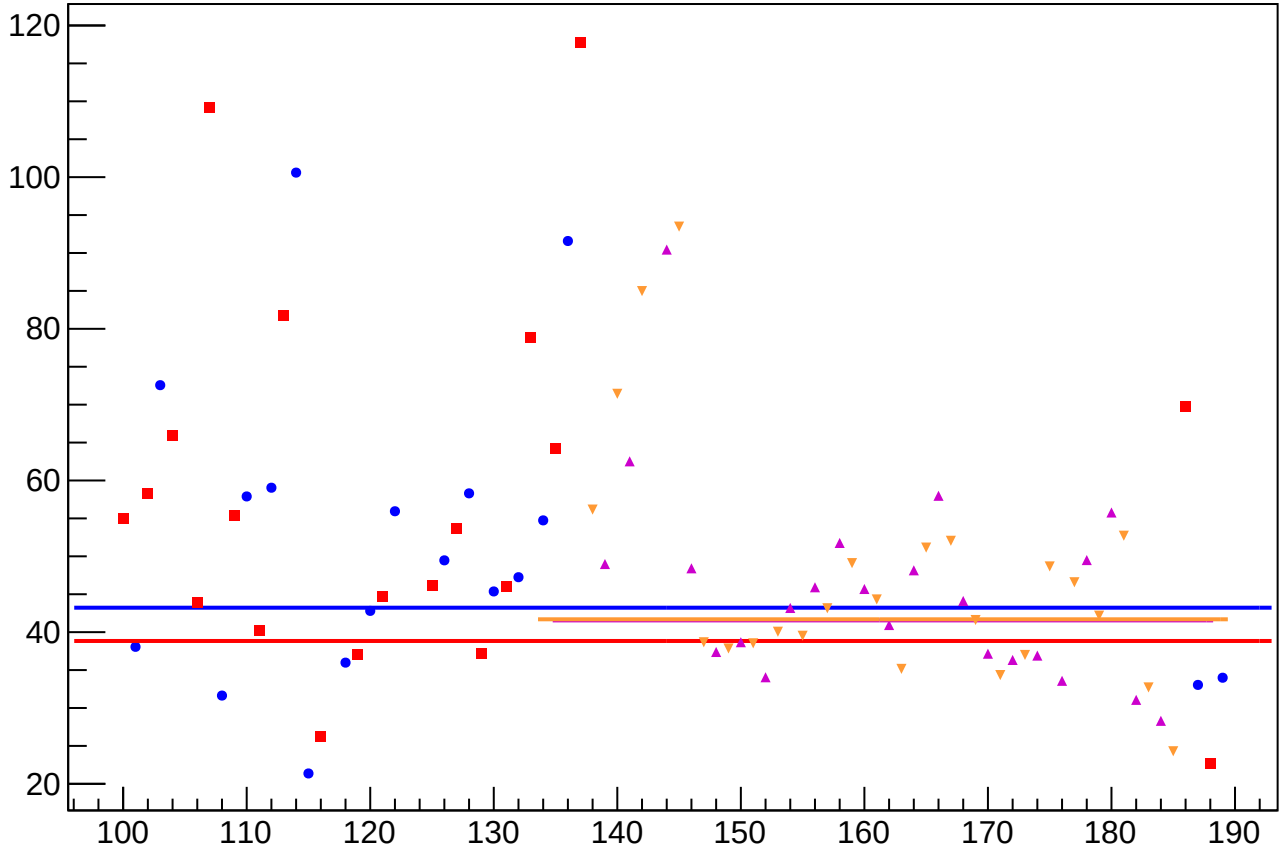
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

\+ sign -0.014+/-0.009 χ^2/NDF: 41.3/41

All: -0.003+/-0.006 χ^2/NDF: 105.3/84

\- sign 0.007+/-0.009 χ^2/NDF: 61.1/42

asym_usl_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 43.225+/-0.012 χ^2/NDF: 1429323.3/17

Left Out: 41.694+/-0.007 χ^2/NDF:1821790.0/23

Right Out: 38.837+/-0.011 χ^2/NDF: 2420825.7/19

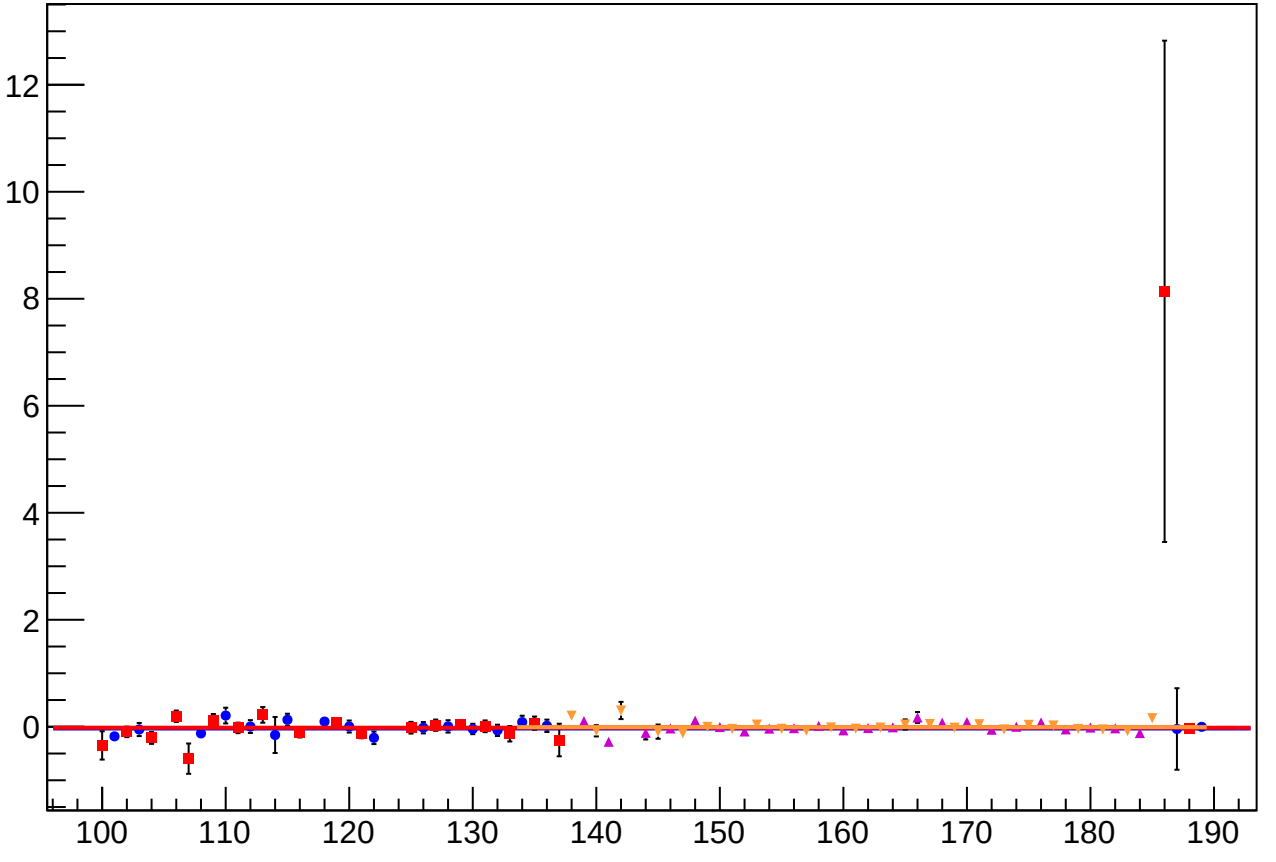
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

+ sign 42.101+/-0.006 χ^2/NDF: 3262422.0/41

All: 41.374+/-0.004 χ^2/NDF: 7363724.2/84

- sign 40.696+/-0.006 χ^2/NDF: 4076013.7/42

asym_usl_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.032+/-0.025 χ^2/NDF: 17.6/17

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: -0.018+/-0.024 χ^2/NDF: 26.0/19

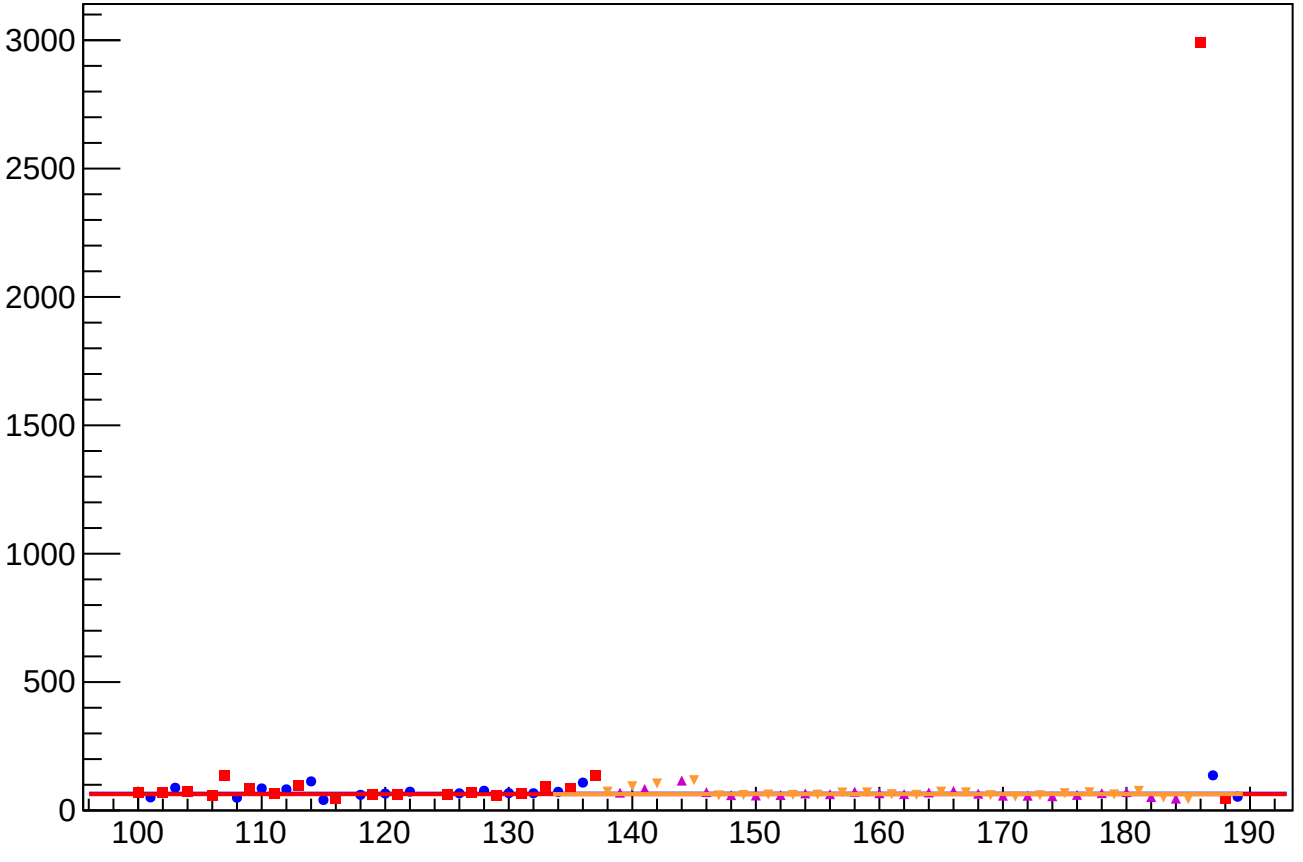
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

+ sign -0.014+/-0.013 χ^2/NDF: 42.0/41

All: -0.012+/-0.009 χ^2/NDF: 96.3/84

- sign -0.011+/-0.013 χ^2/NDF: 54.3/42

asym_usl_dit_vs_overload_cor_diff_rms vs Slug



Right In: 65.377+/-0.018 χ^2/NDF: 829644.9/17

Left Out: 63.779+/-0.011 χ^2/NDF:1078823.1/23

Right Out: 63.281+/-0.017 χ^2/NDF: 1733707.8/19

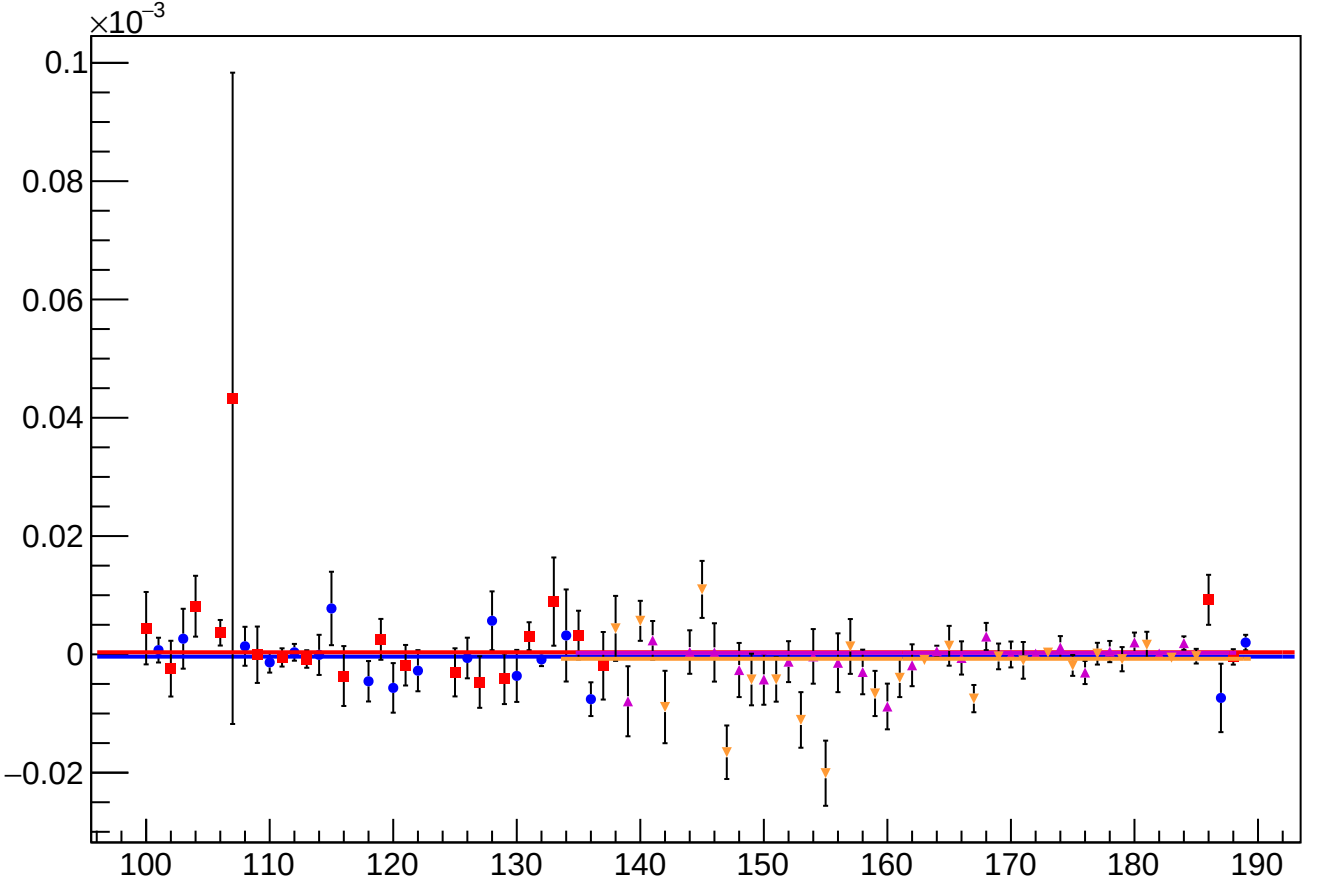
Left In: 64.036+/-0.011 χ^2/NDF:838789.3/22

+ sign 64.214+/-0.009 χ^2/NDF: 1914333.7/41

All: 64.009+/-0.007 χ^2/NDF: 4489212.5/84

- sign 63.810+/-0.009 χ^2/NDF: 2573919.5/42

asym_usl_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/17

Left Out: -0.000+/-0.000 χ^2/NDF:60.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/19

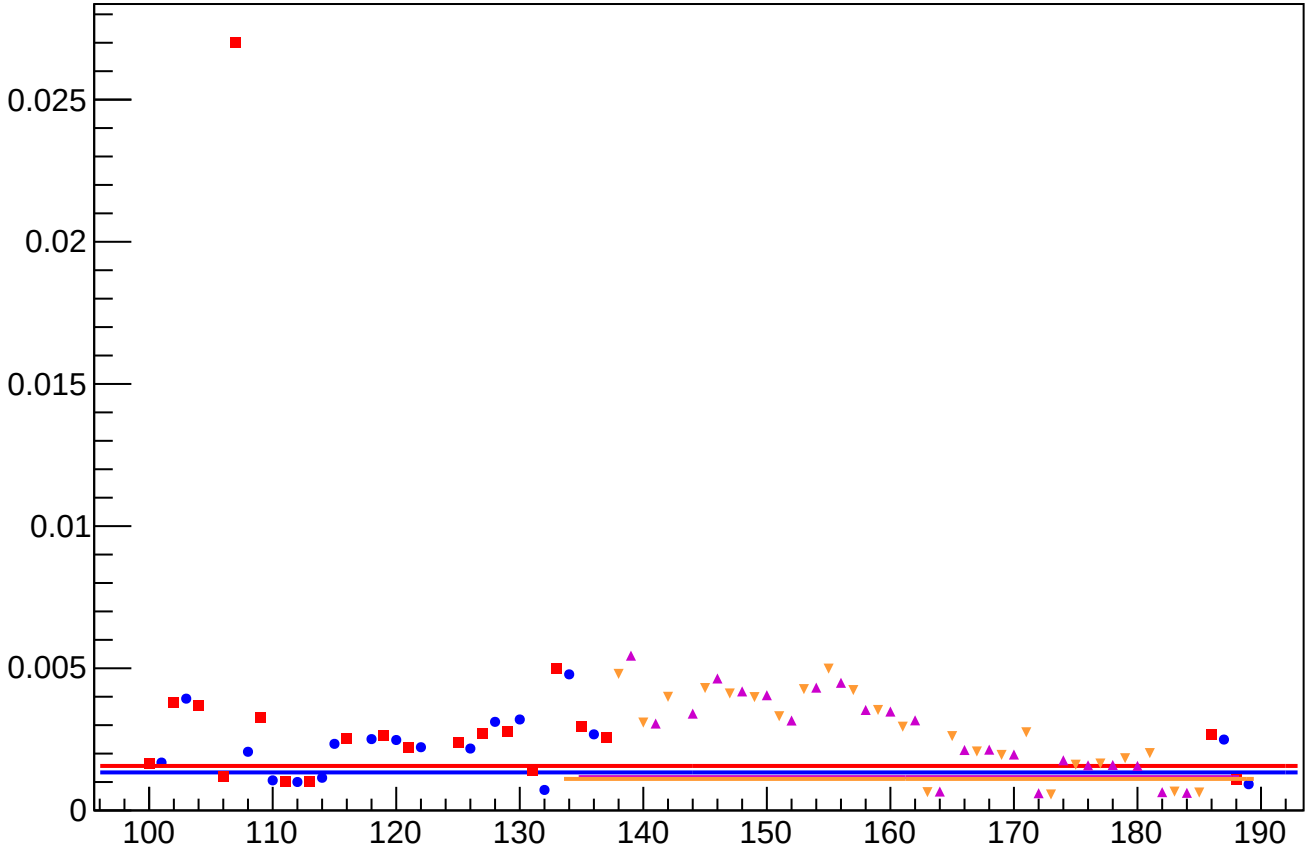
Left In: 0.000+/-0.000 χ^2/NDF:18.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 80.6/41

All: -0.000+/-0.000 χ^2/NDF: 123.8/84

- sign 0.000+/-0.000 χ^2/NDF: 38.4/42

asym_usl_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 3862425.3/17

Left Out: 0.001+/-0.000 χ^2/NDF:15160045.8/23

Right Out: 0.002+/-0.000 χ^2/NDF: 3894205.6/19

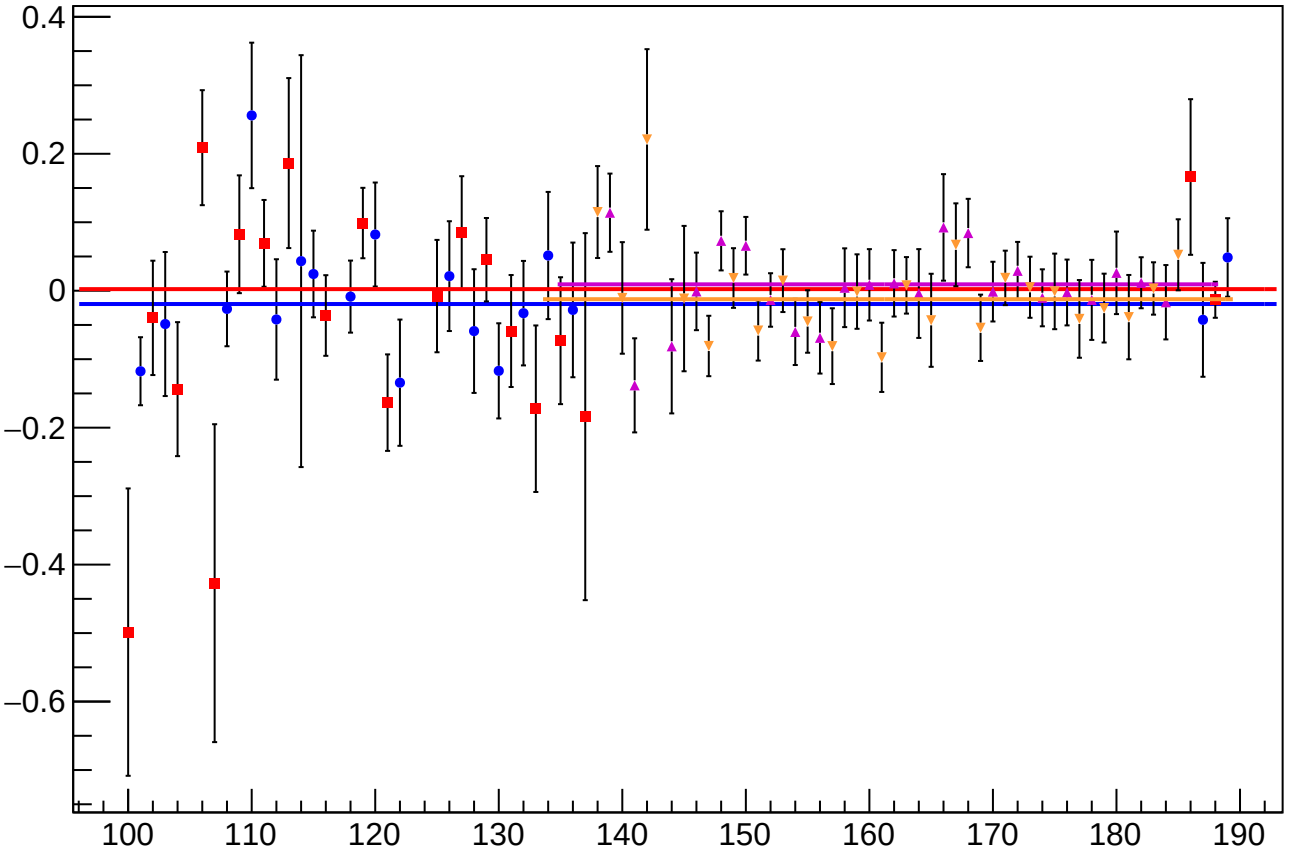
Left In: 0.001+/-0.000 χ^2/NDF:14252589.1/22

+ sign 0.001+/-0.000 χ^2/NDF: 19267971.1/41

All: 0.001+/-0.000 χ^2/NDF: 38110992.1/84

- sign 0.001+/-0.000 χ^2/NDF: 18738523.9/42

asym_usl_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.019+/-0.017 χ^2/NDF: 19.2/17

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: 0.002+/-0.015 χ^2/NDF: 39.0/19

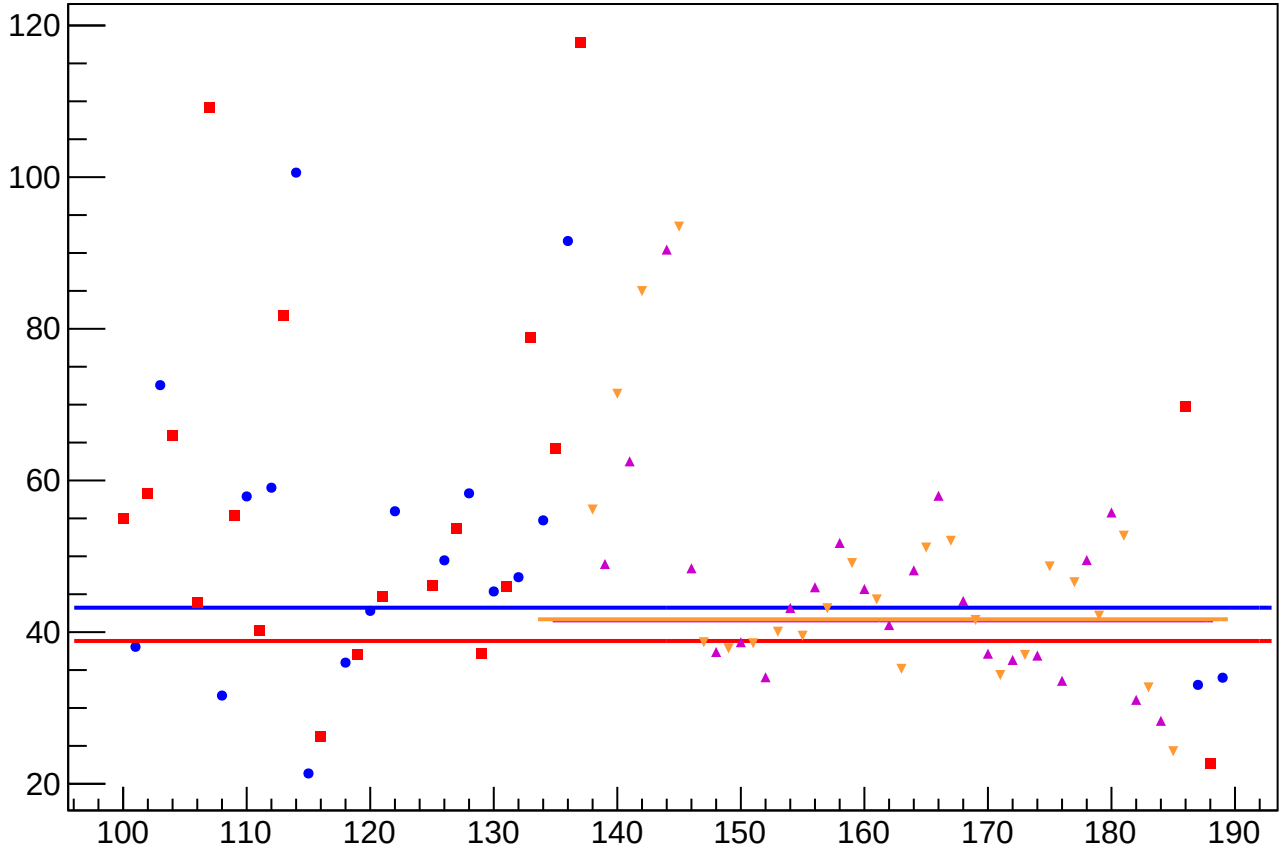
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

\+ sign -0.014+/-0.009 χ^2/NDF: 41.3/41

All: -0.003+/-0.006 χ^2/NDF: 105.3/84

\- sign 0.007+/-0.009 χ^2/NDF: 61.1/42

asym_usl_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 43.224+/-0.012 χ^2/NDF: 1429369.7/17

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

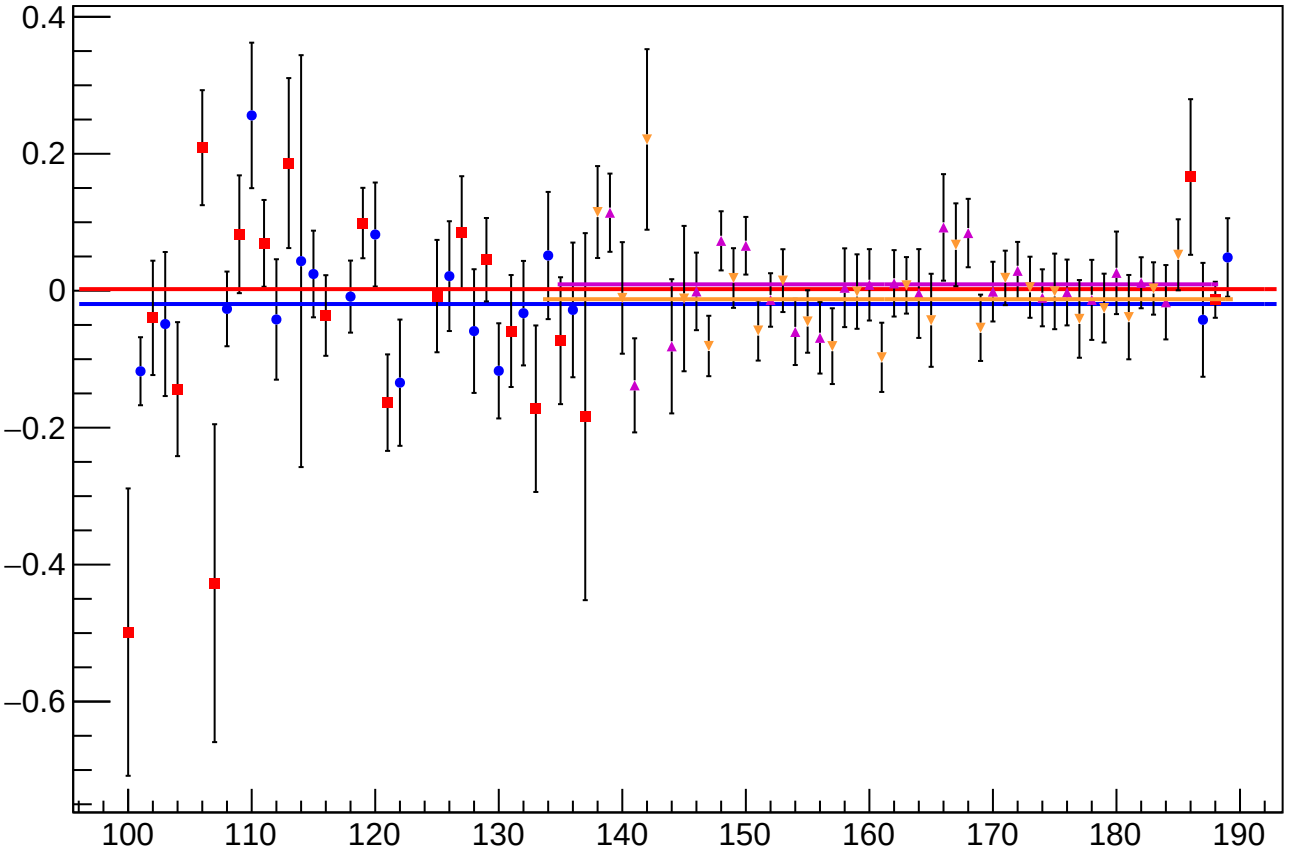
Right Out: 38.837+/-0.011 χ^2/NDF: 2420655.6/19

Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

+ sign 42.101+/-0.006 χ^2/NDF: 3262419.0/41

All: 41.374+/-0.004 χ^2/NDF: 7363495.7/84

- sign 40.697+/-0.006 χ^2/NDF: 4075802.6/42



Right In: -0.019+/-0.017 χ^2/NDF: 19.2/17

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: 0.002+/-0.015 χ^2/NDF: 39.0/19

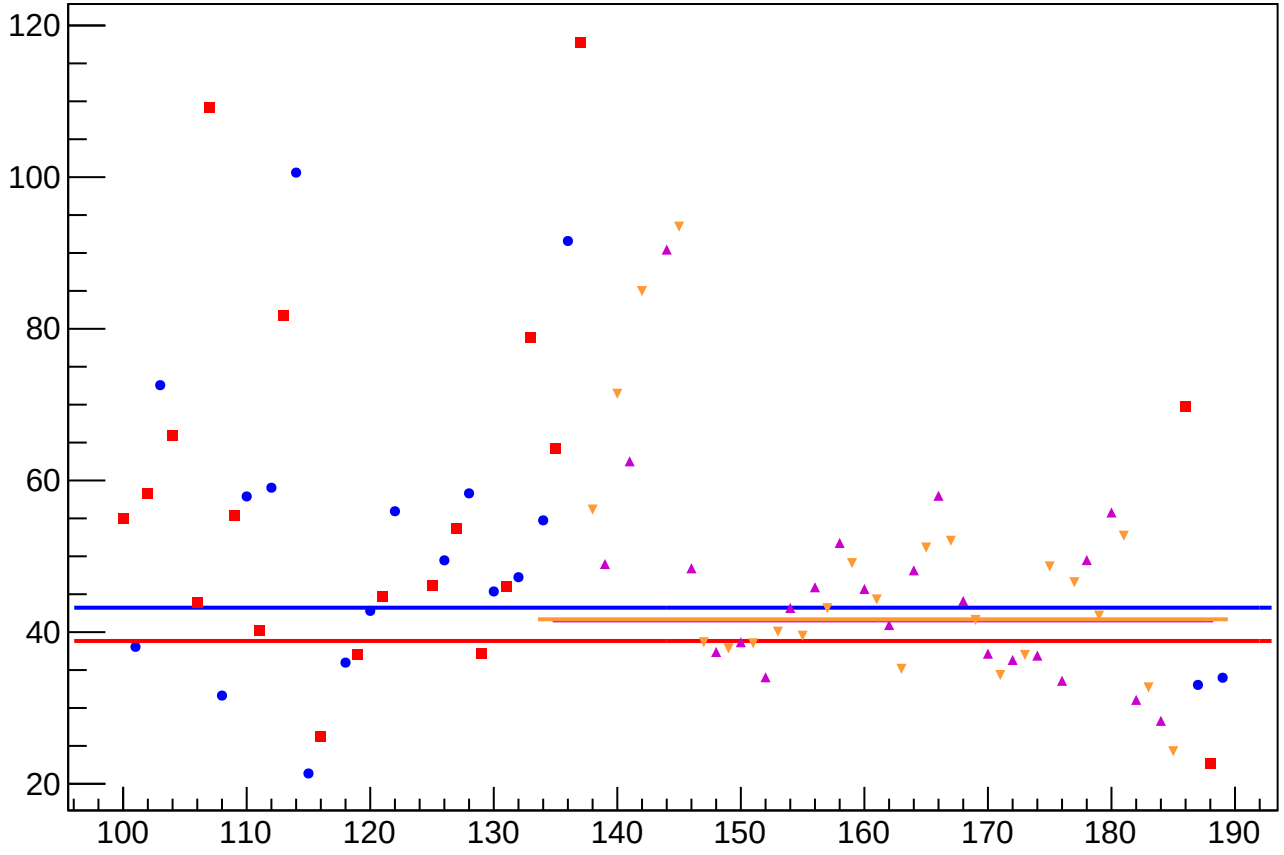
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.014+/-0.009 χ^2/NDF: 41.3/41

All: -0.003+/-0.006 χ^2/NDF: 105.3/84

- sign 0.007+/-0.009 χ^2/NDF: 61.1/42

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 43.224+/-0.012 χ^2/NDF: 1429369.7/17

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

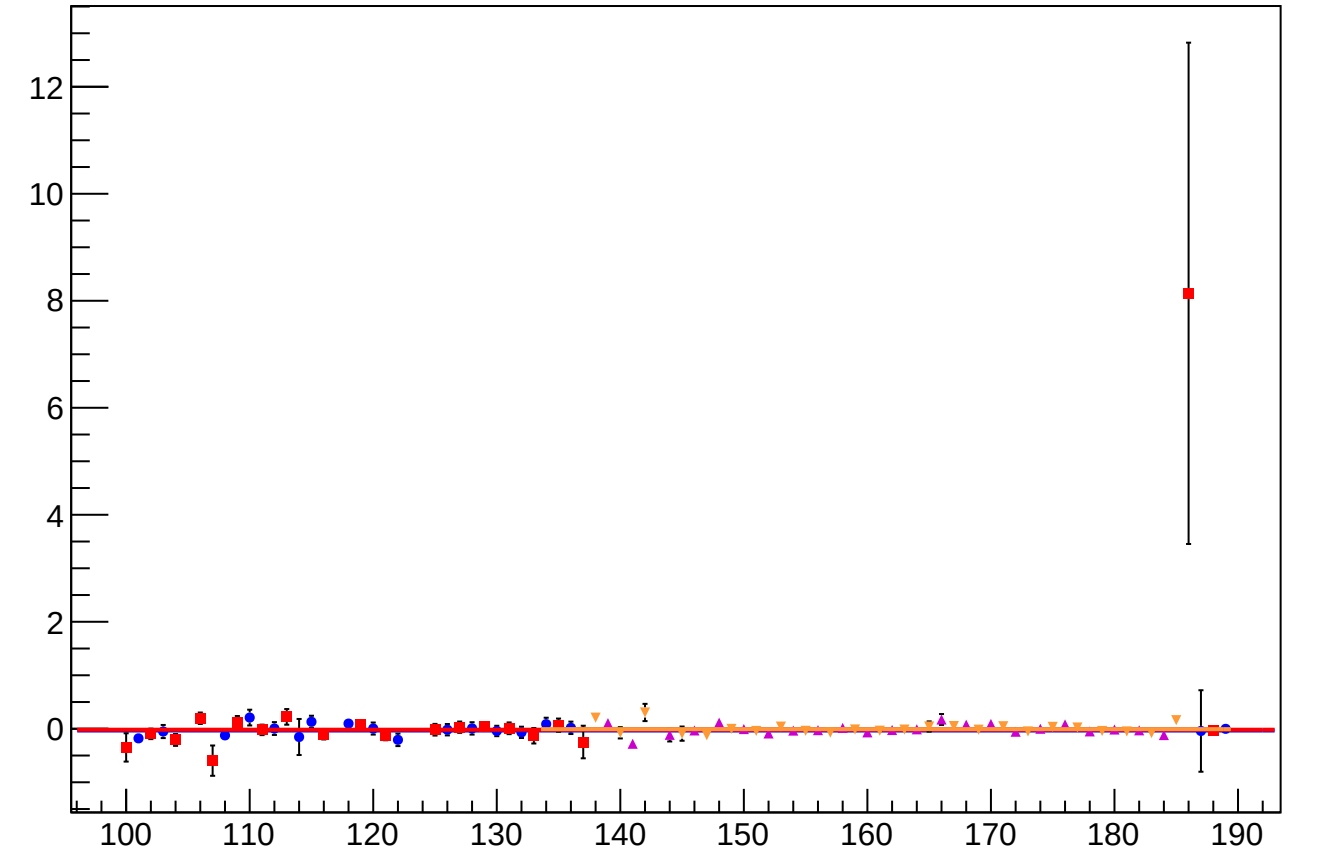
Right Out: 38.837+/-0.011 χ^2/NDF: 2420655.6/19

Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

+ sign 42.101+/-0.006 χ^2/NDF: 3262419.0/41

All: 41.374+/-0.004 χ^2/NDF: 7363495.7/84

- sign 40.697+/-0.006 χ^2/NDF: 4075802.6/42



Right In: -0.032+/-0.025 χ^2/NDF: 17.6/17

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: -0.018+/-0.024 χ^2/NDF: 26.0/19

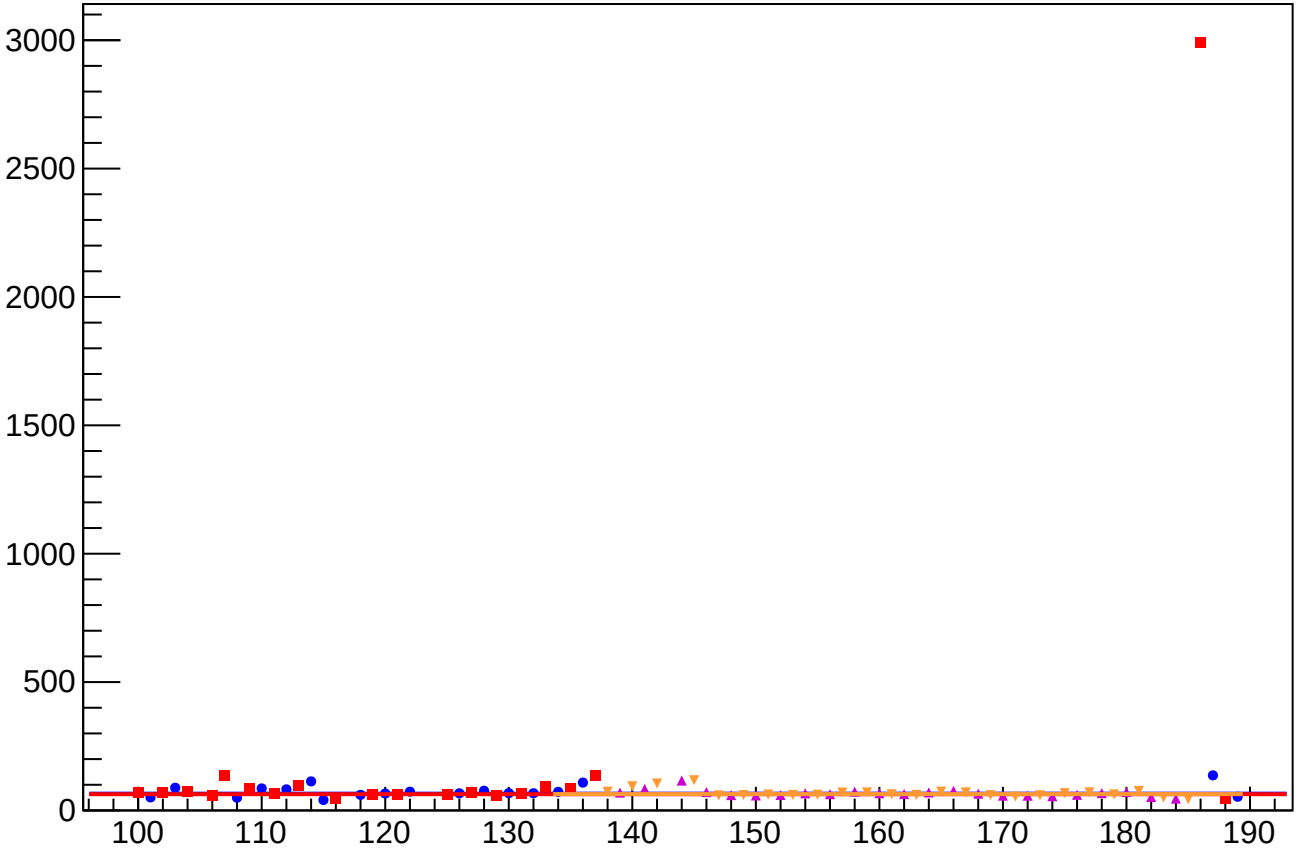
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

+ sign -0.014+/-0.013 χ^2/NDF: 42.0/41

All: -0.012+/-0.009 χ^2/NDF: 96.3/84

- sign -0.011+/-0.013 χ^2/NDF: 54.3/42

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 65.377+/-0.018 χ^2/NDF: 829647.2/17

Left Out: 63.779+/-0.011 χ^2/NDF:1078810.5/23

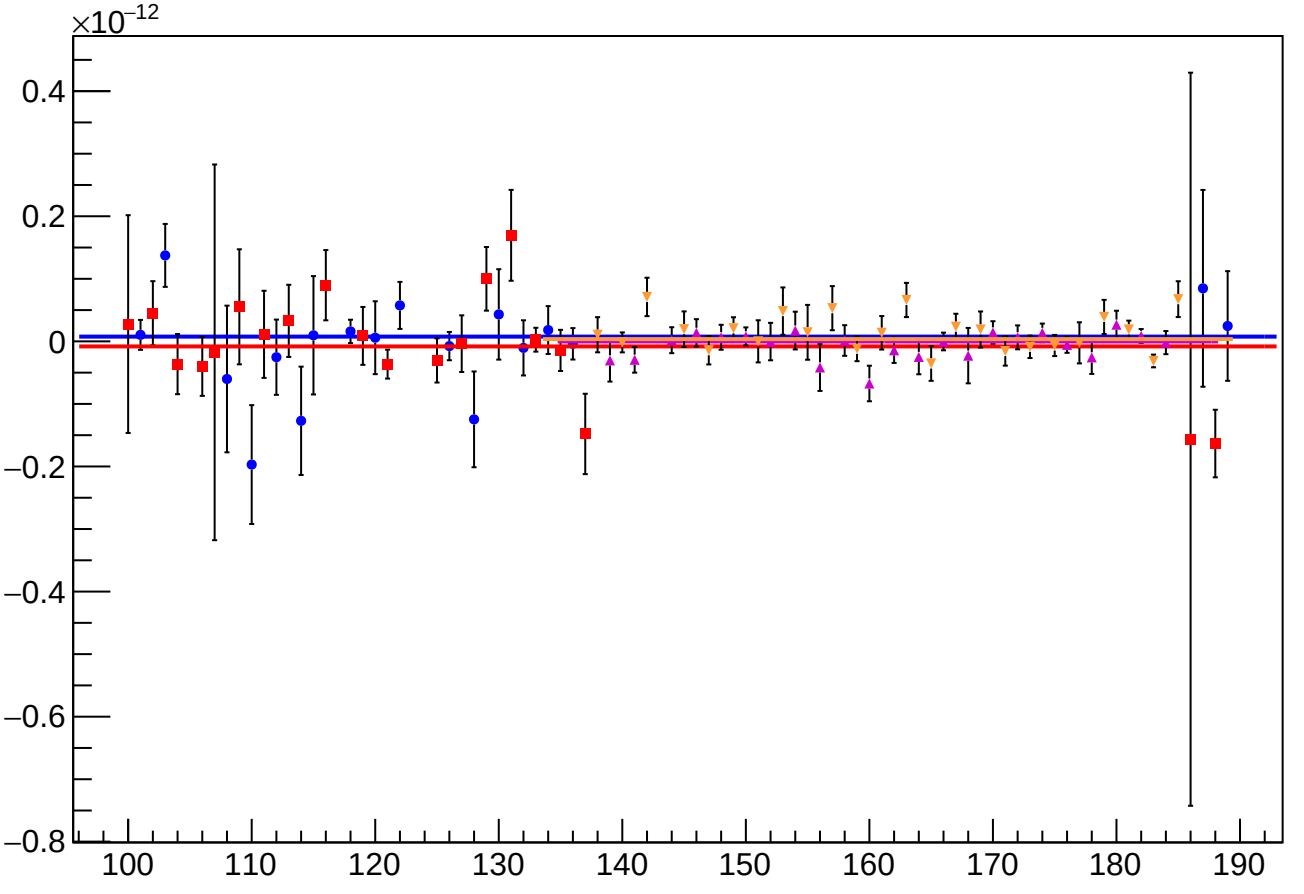
Right Out: 63.280+/-0.017 χ^2/NDF: 1733674.5/19

Left In: 64.036+/-0.011 χ^2/NDF:838784.5/22

\+ sign 64.214+/-0.009 χ^2/NDF: 1914319.9/41

All: 64.009+/-0.007 χ^2/NDF: 4489162.4/84

\- sign 63.810+/-0.009 χ^2/NDF: 2573883.3/42



Right In: 0.000+/-0.000 χ^2/NDF: 20.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:40.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 32.0/19

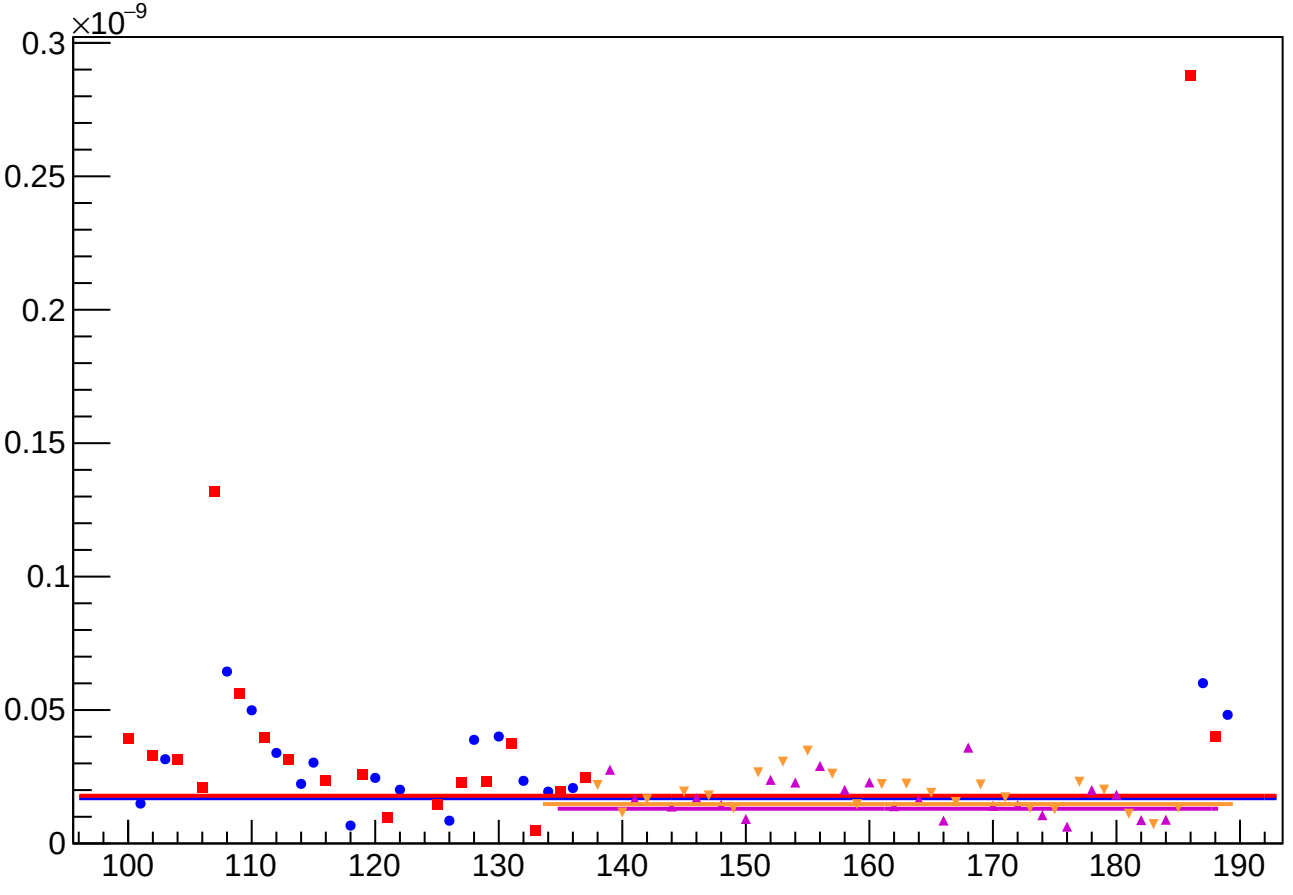
Left In: -0.000+/-0.000 χ^2/NDF:17.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 61.5/41

All: 0.000+/-0.000 χ^2/NDF: 112.2/84

- sign -0.000+/-0.000 χ^2/NDF: 49.7/42

asym_usl_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2756036.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:3531388.4/23

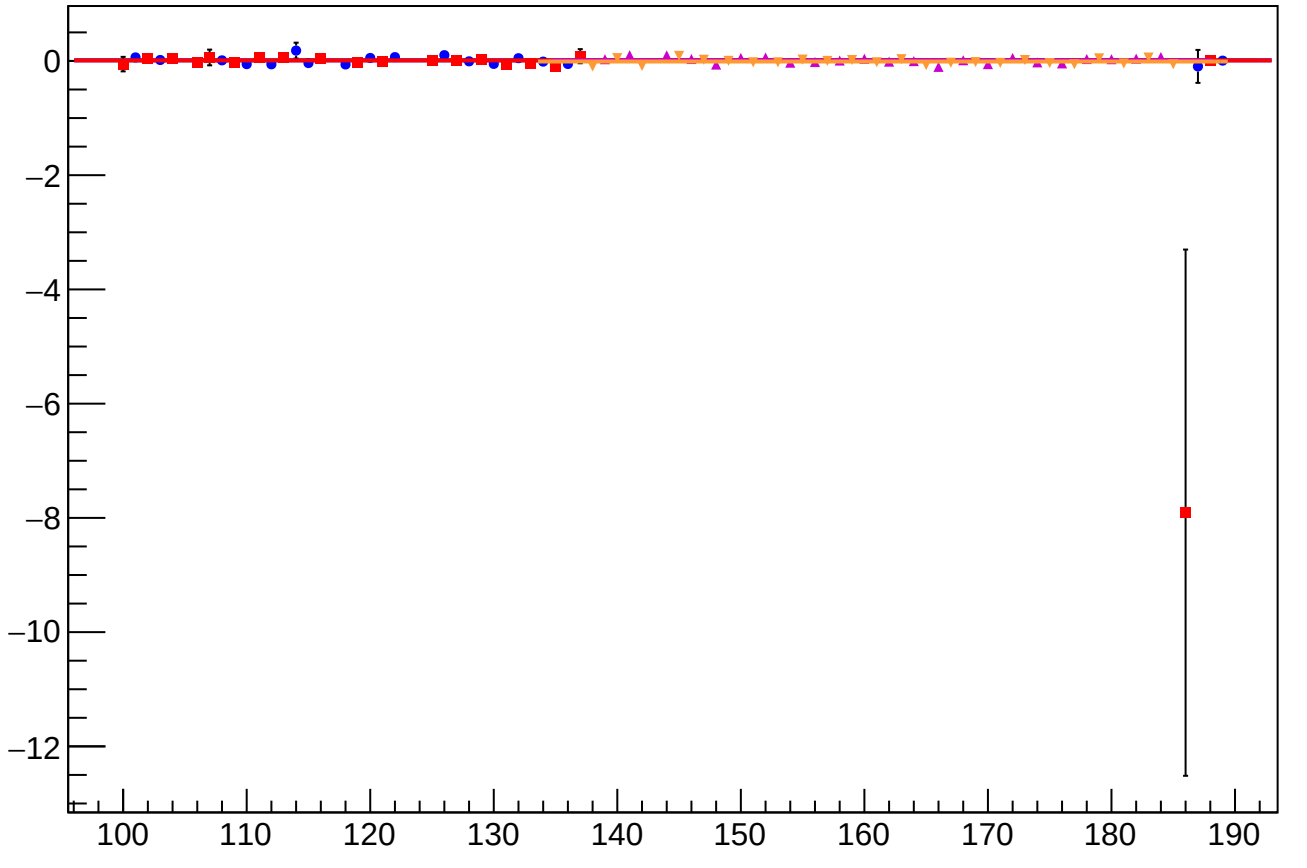
Right Out: 0.000+/-0.000 χ^2/NDF: 3562743.5/19

Left In: 0.000+/-0.000 χ^2/NDF:3925910.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 6381964.7/41

All: 0.000+/-0.000 χ^2/NDF: 14438535.5/84

- sign 0.000+/-0.000 χ^2/NDF: 7919292.9/42



Right In: 0.011+/-0.013 χ^2/NDF: 14.9/17

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: 0.010+/-0.013 χ^2/NDF: 12.9/19

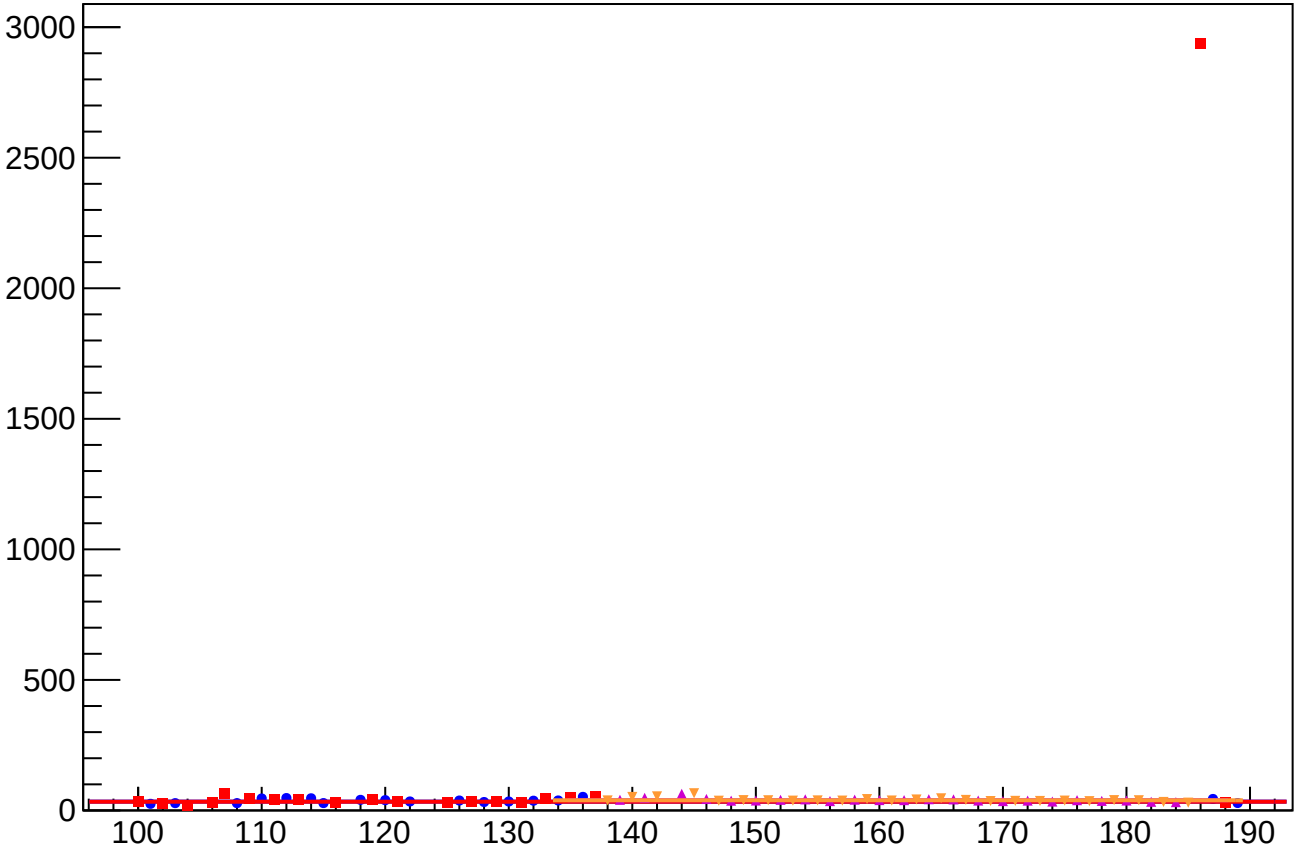
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

+ sign -0.003+/-0.008 χ^2/NDF: 36.0/41

All: 0.004+/-0.005 χ^2/NDF: 73.7/84

- sign 0.011+/-0.008 χ^2/NDF: 36.2/42

asym_usl_overload_cor_vs_cor_diff_rms vs Slug



Right In: 33.813+/-0.009 χ^2/NDF: 667114.6/17

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

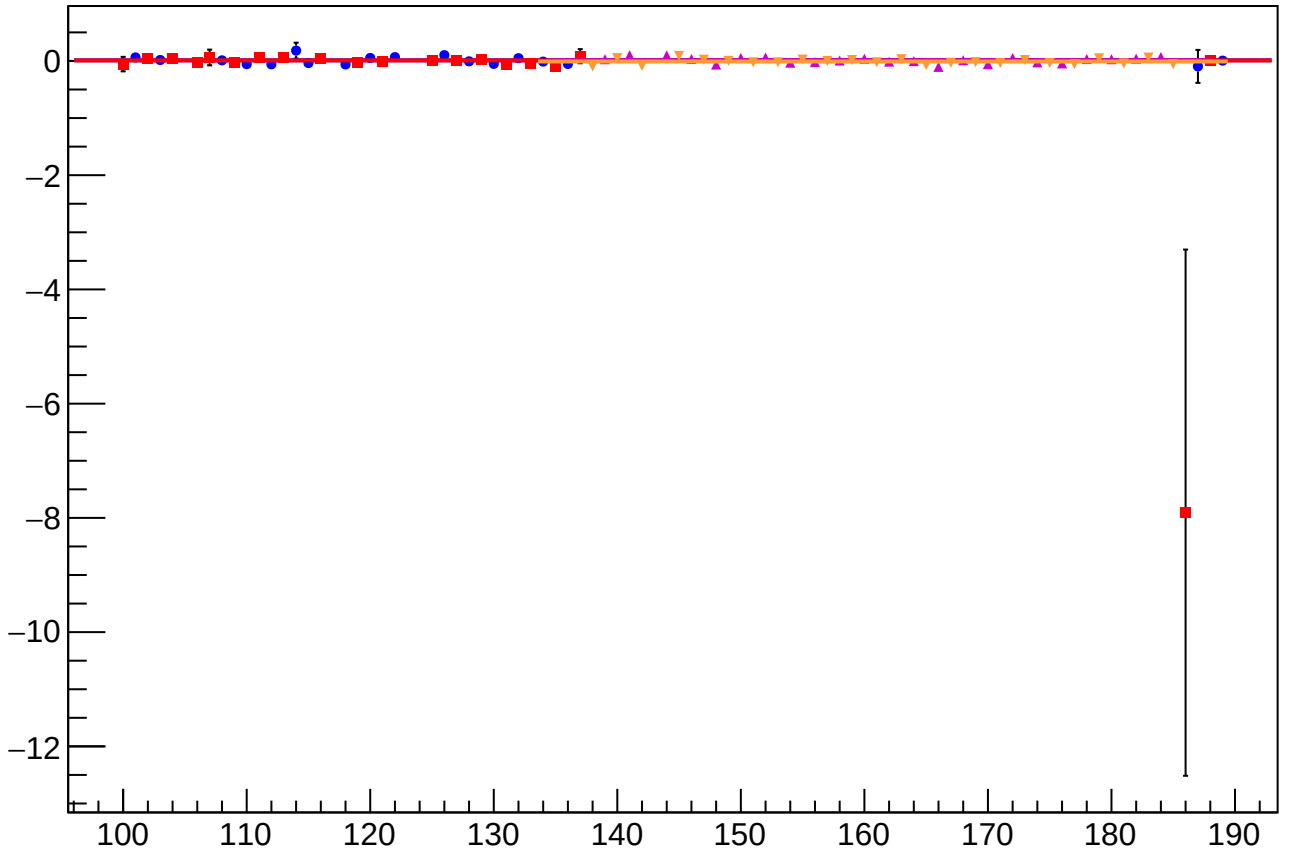
Right Out: 33.465+/-0.009 χ^2/NDF: 1715667.2/19

Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

+ sign 37.192+/-0.005 χ^2/NDF: 1496676.3/41

All: 37.136+/-0.004 χ^2/NDF: 3996725.7/84

- sign 37.081+/-0.005 χ^2/NDF: 2499835.1/42



Right In: 0.011+/-0.013 χ^2/NDF: 14.9/17

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: 0.010+/-0.013 χ^2/NDF: 12.9/19

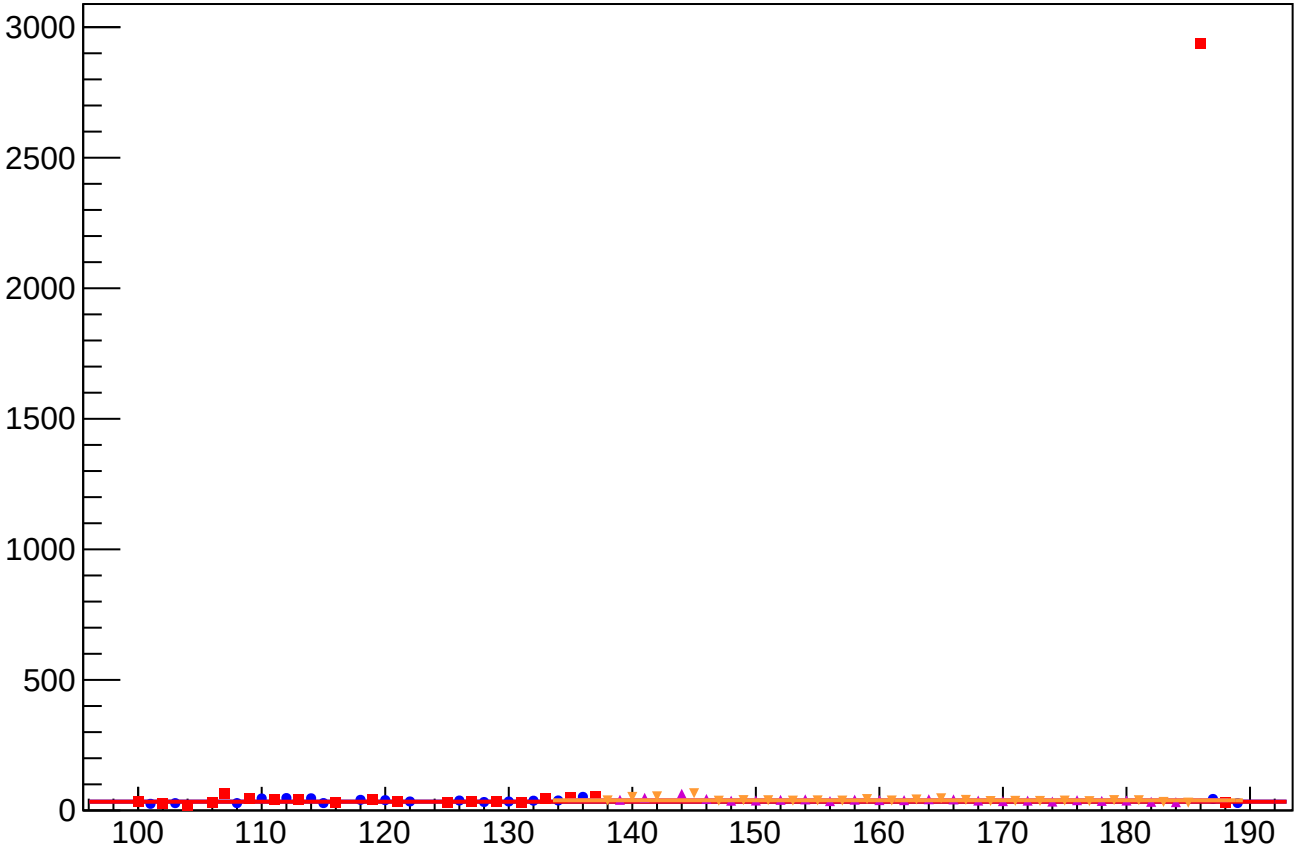
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

+ sign -0.003+/-0.008 χ^2/NDF: 36.0/41

All: 0.004+/-0.005 χ^2/NDF: 73.7/84

- sign 0.011+/-0.008 χ^2/NDF: 36.2/42

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 33.813+/-0.009 χ^2/NDF: 667114.6/17

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

Right Out: 33.465+/-0.009 χ^2/NDF: 1715667.2/19

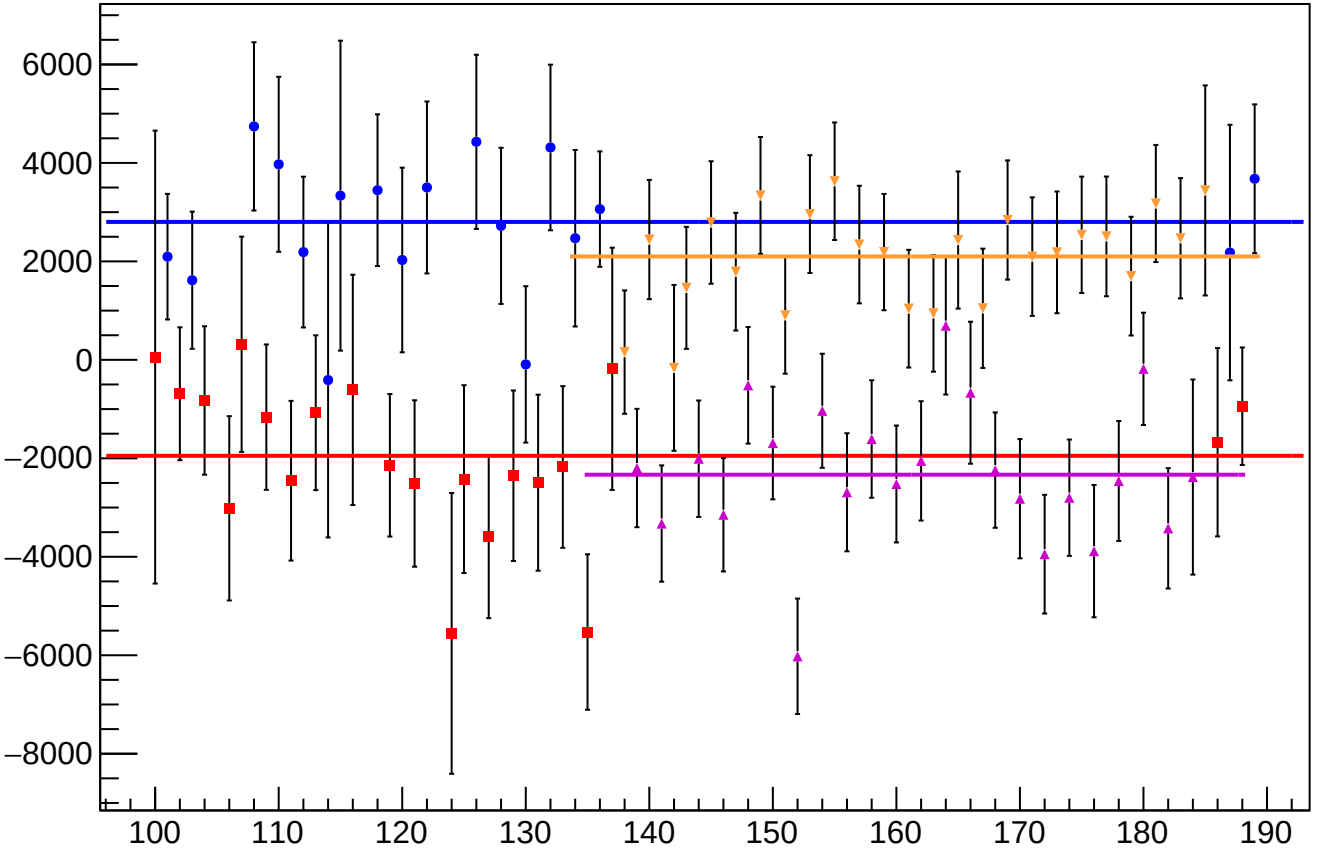
Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

+ sign 37.192+/-0.005 χ^2/NDF: 1496676.3/41

All: 37.136+/-0.004 χ^2/NDF: 3996725.7/84

- sign 37.081+/-0.005 χ^2/NDF: 2499835.1/42

reg_asym_usr_mean vs Slug



Right In: 2801.989+/-391.039 χ^2/NDF: 9.9/17

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -1948.847+/-375.067 χ^2/NDF: 13.4/20

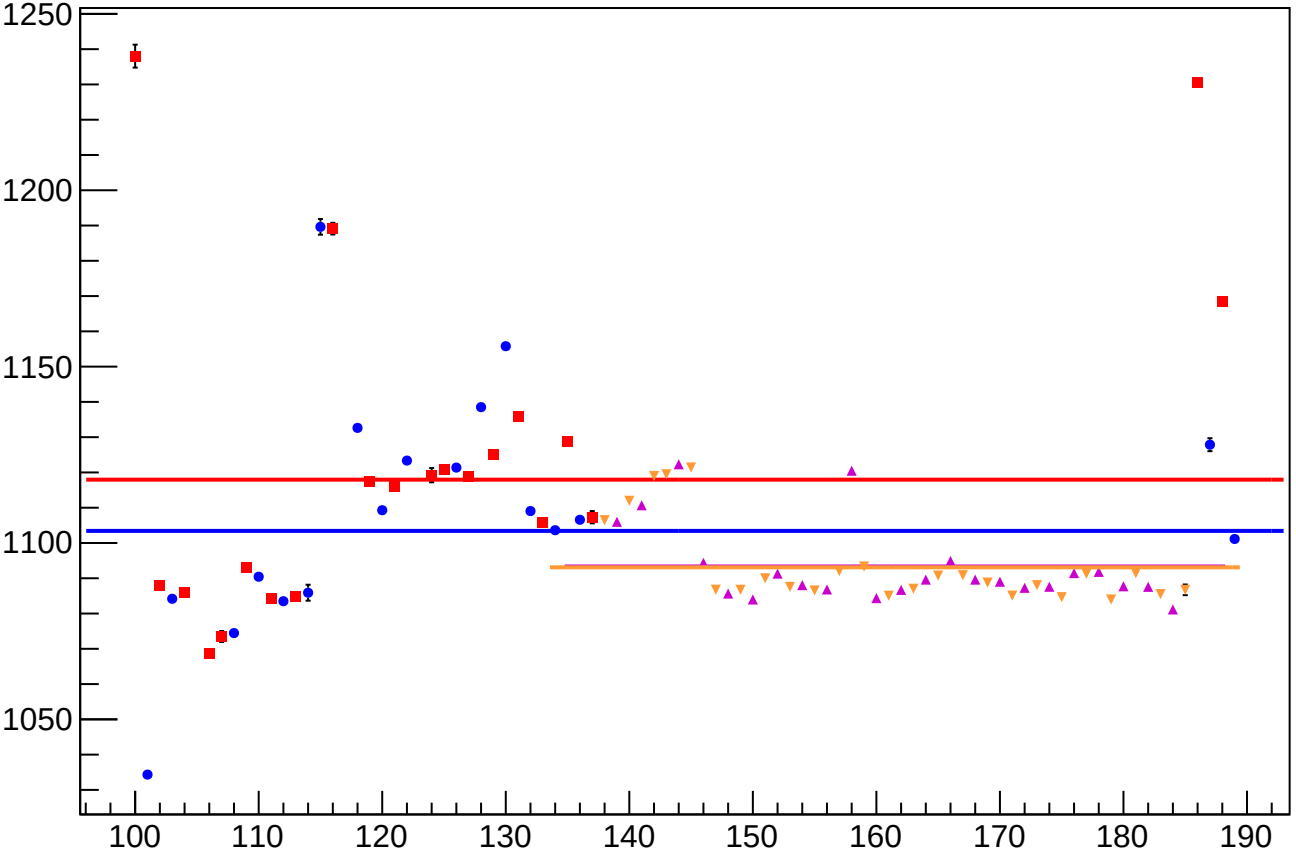
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2302.001+/-209.617 χ^2/NDF: 26.0/42

All: 60.587+/-148.722 χ^2/NDF: 299.8/86

- sign -2211.347+/-211.039 χ^2/NDF: 43.6/43

reg_asym_usr_rms vs Slug



Right In: 1103.429+/-0.277 χ^2/NDF: 13408.0/17

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1117.953+/-0.265 χ^2/NDF: 20607.2/20

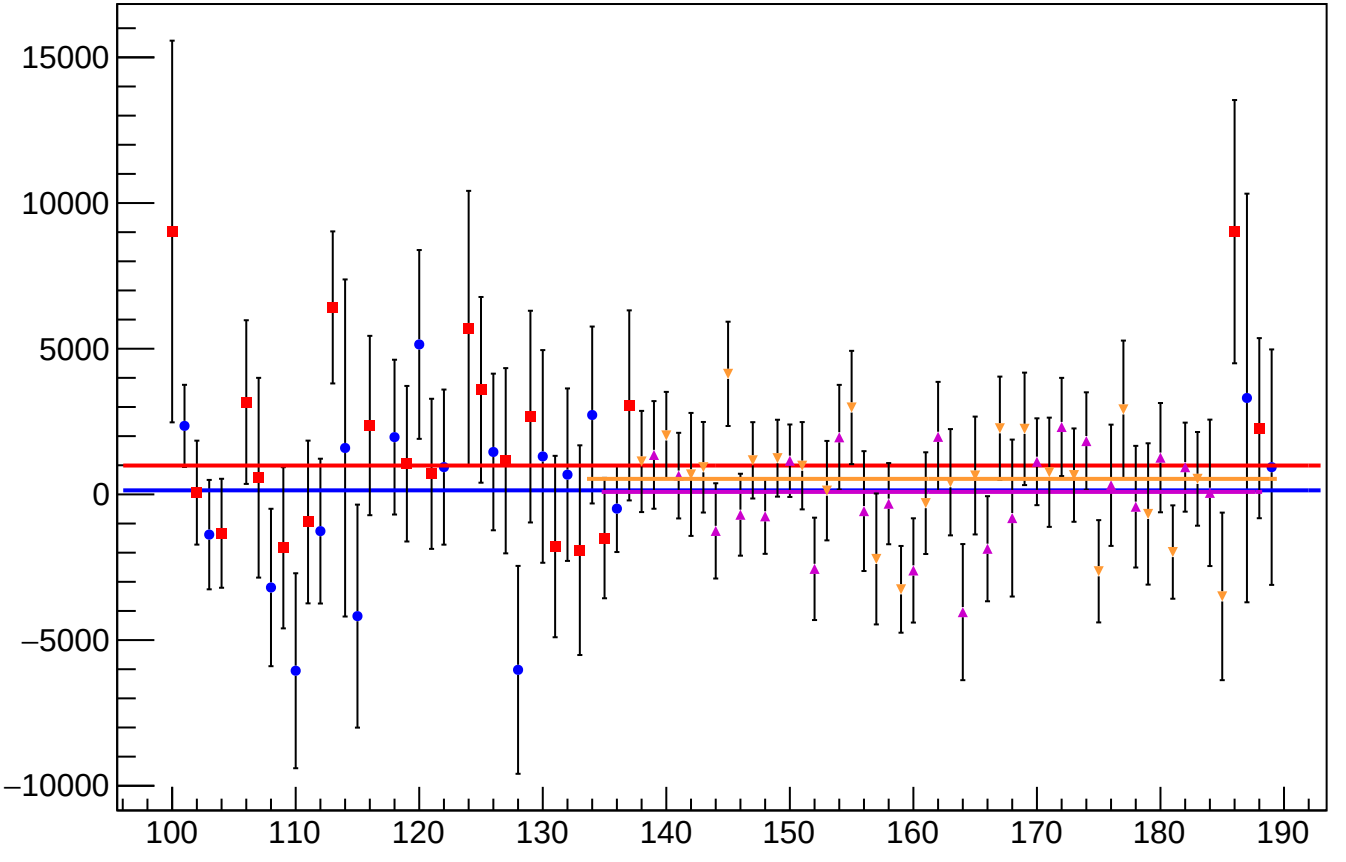
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1096.070+/-0.148 χ^2/NDF: 18385.2/42

All: 1098.583+/-0.105 χ^2/NDF: 49183.8/86

- sign 1101.131+/-0.149 χ^2/NDF: 30219.5/43

asym_usr_reg_correction_mean vs Slug



Right In: 139.208+/-608.682 χ^2/NDF: 17.2/17

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 991.018+/-617.990 χ^2/NDF: 18.5/20

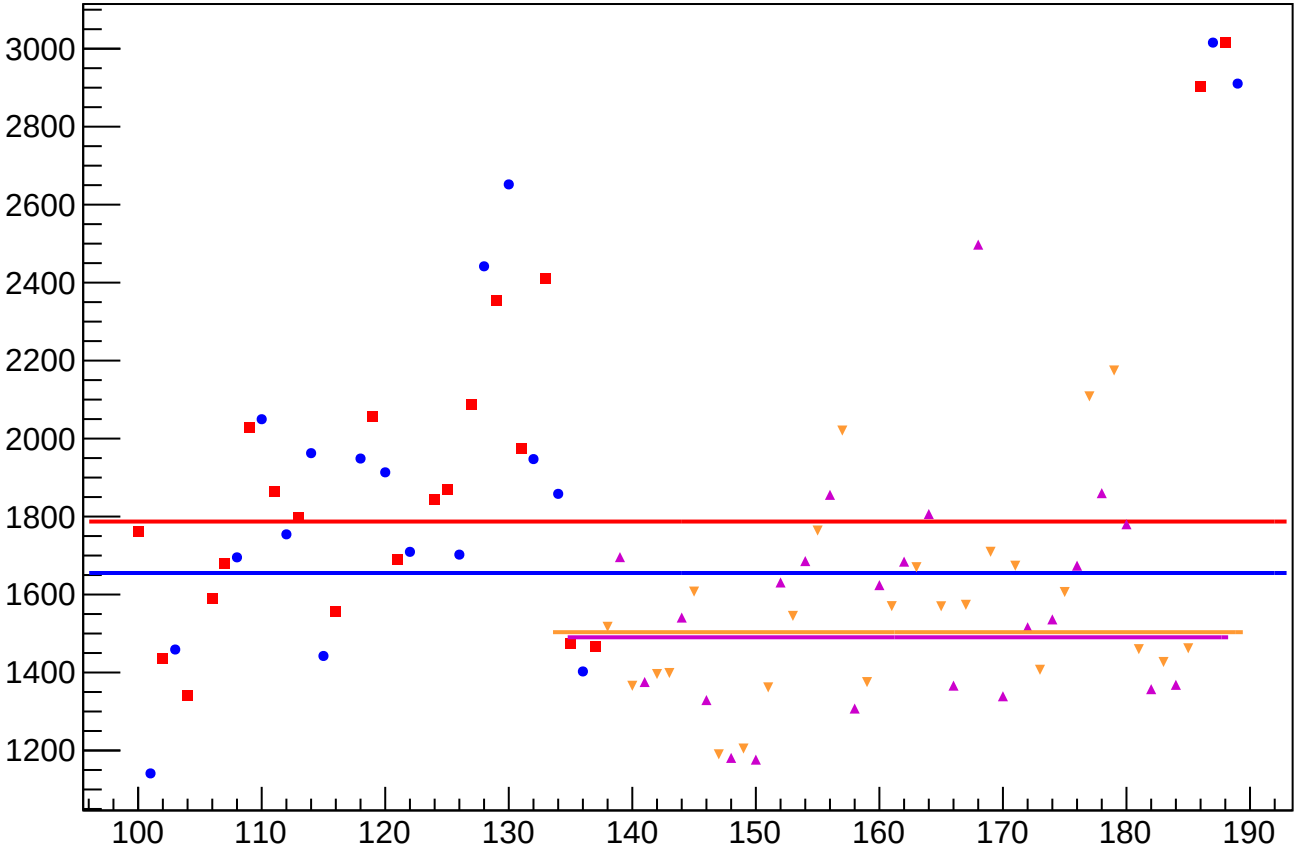
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

\+ sign 436.303+/-301.601 χ^2/NDF: 43.9/42

All: 373.821+/-215.192 χ^2/NDF: 82.2/86

\- sign 309.026+/-307.130 χ^2/NDF: 38.2/43

asym_usr_reg_correction_rms vs Slug



Right In: 1655.255+/-0.430 χ^2/NDF: 970245.9/17

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

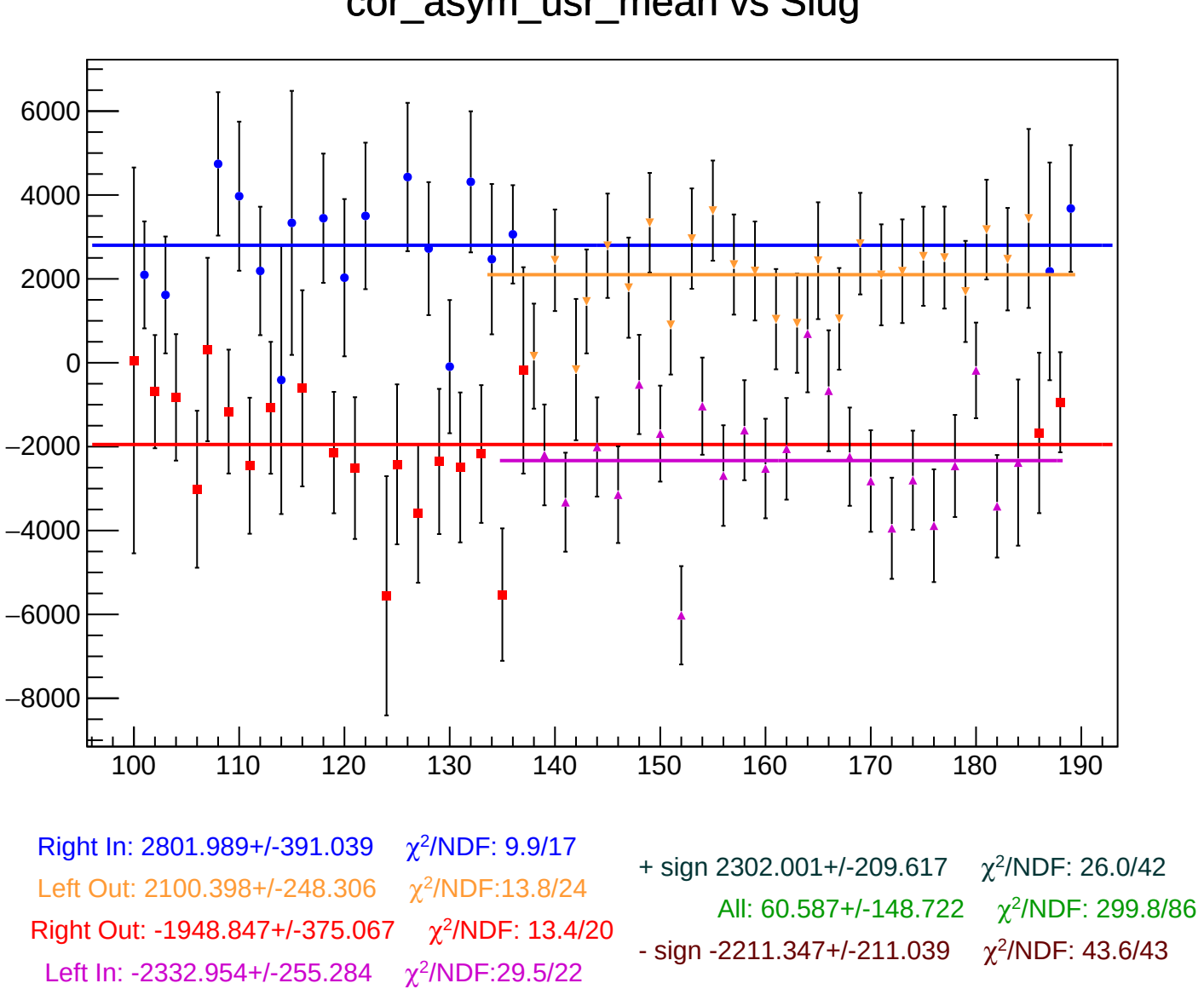
Right Out: 1787.195+/-0.437 χ^2/NDF: 893771.4/20

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

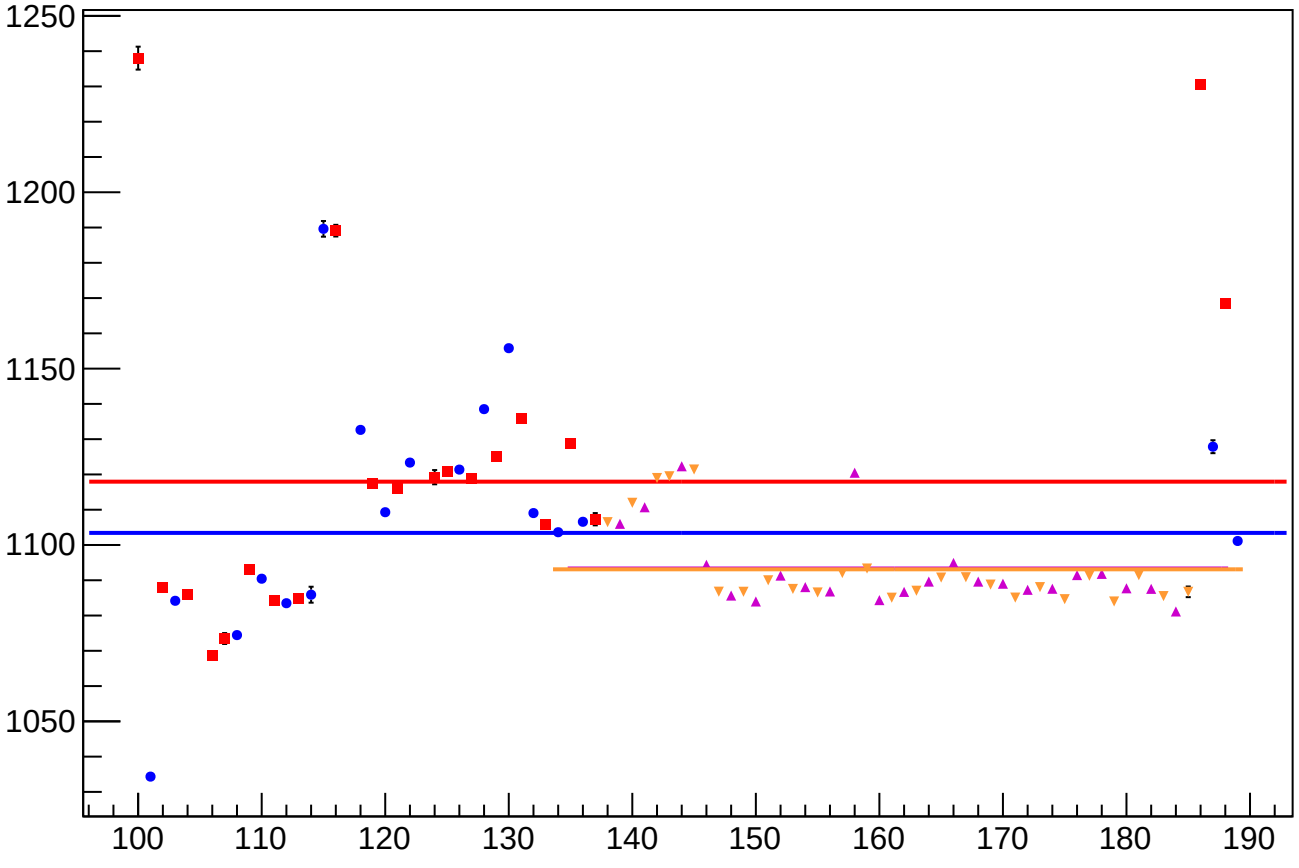
+ sign 1540.711+/-0.213 χ^2/NDF: 1863790.5/42

All: 1551.968+/-0.152 χ^2/NDF: 4079021.1/86

- sign 1563.641+/-0.217 χ^2/NDF: 2209555.2/43


cor_asym_usr_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
180
190
Right In: 2801.989+/-391.039 χ²/NDF: 9.9/17
Left Out: 2100.398+/-248.306 χ²/NDF:13.8/24
Right Out: -1948.847+/-375.067 χ²/NDF: 13.4/20
Left In: -2332.954+/-255.284 χ²/NDF:29.5/22
+ sign 2302.001+/-209.617 χ²/NDF: 26.0/42
All: 60.587+/-148.722 χ²/NDF: 299.8/86
- sign -2211.347+/-211.039 χ²/NDF: 43.6/43

cor_asym_usr_rms vs Slug



Right In: 1103.429+/-0.277 χ^2/NDF: 13408.0/17

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1117.953+/-0.265 χ^2/NDF: 20607.2/20

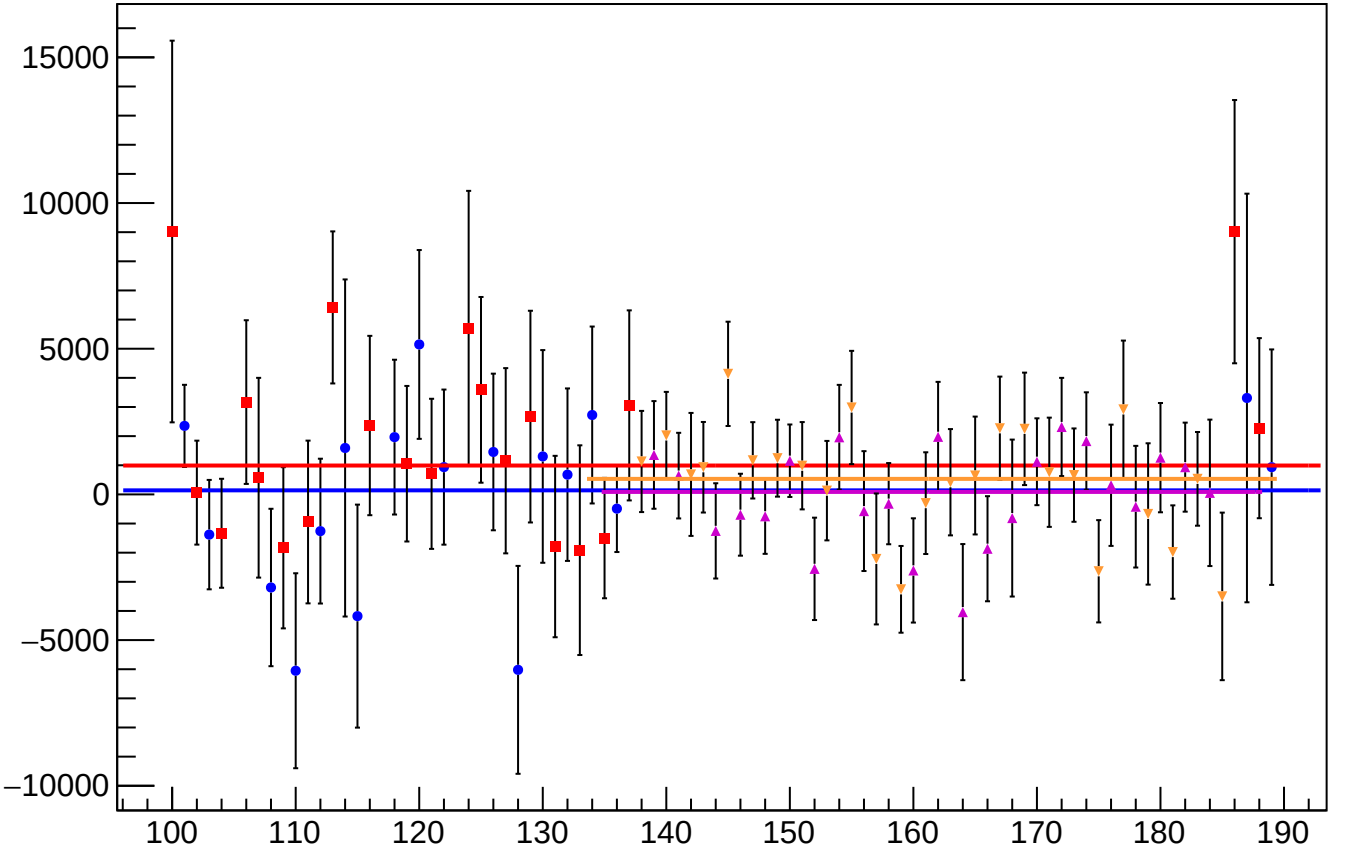
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

\+ sign 1096.070+/-0.148 χ^2/NDF: 18385.2/42

All: 1098.583+/-0.105 χ^2/NDF: 49183.8/86

\- sign 1101.131+/-0.149 χ^2/NDF: 30219.5/43

asym_usr_cor_correction_mean vs Slug



Right In: 139.208+/-608.682 χ^2/NDF: 17.2/17

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 991.018+/-617.990 χ^2/NDF: 18.5/20

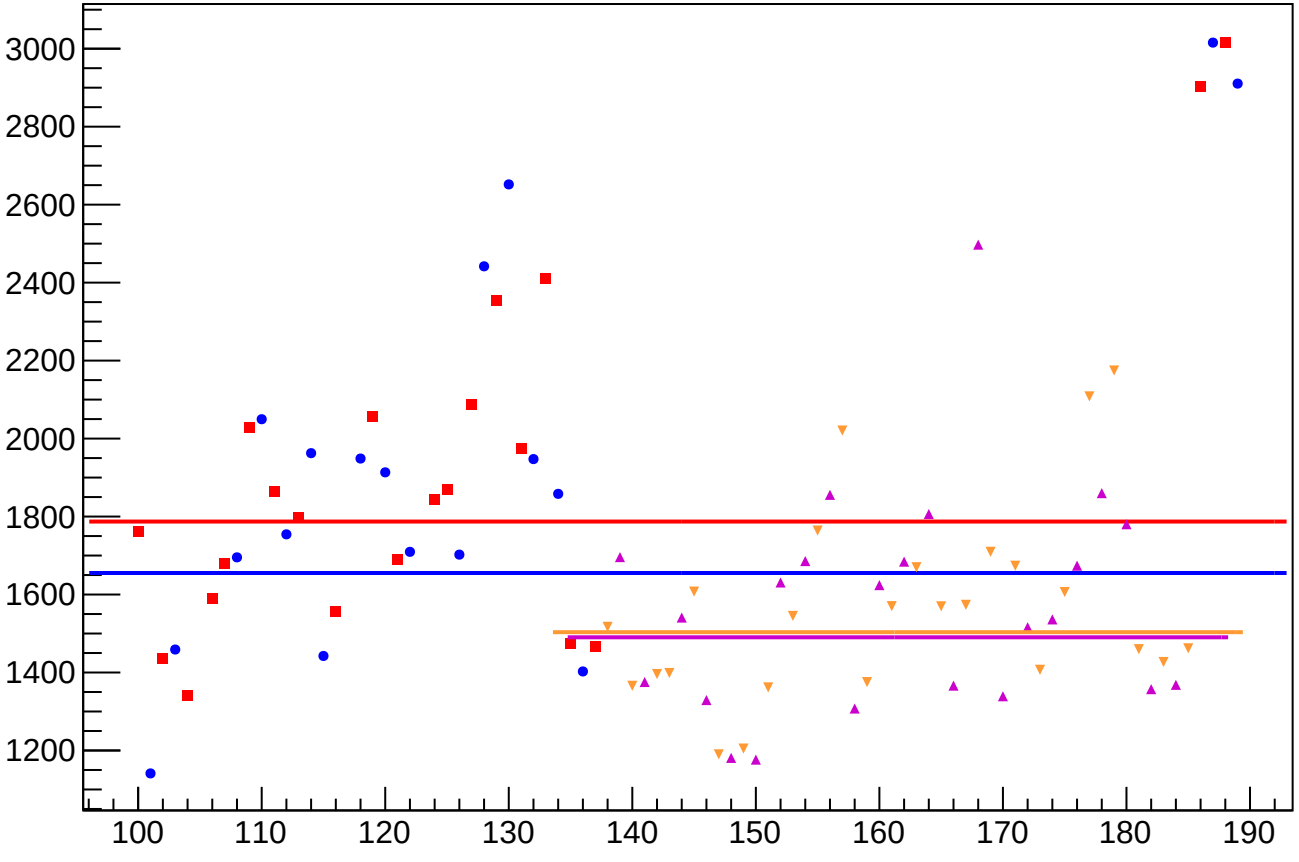
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

\+ sign 436.303+/-301.601 χ^2/NDF: 43.9/42

All: 373.821+/-215.192 χ^2/NDF: 82.2/86

\- sign 309.026+/-307.130 χ^2/NDF: 38.2/43

asym_usr_cor_correction_rms vs Slug



Right In: 1655.255+/-0.430 χ^2/NDF: 970245.9/17

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 1787.195+/-0.437 χ^2/NDF: 893771.4/20

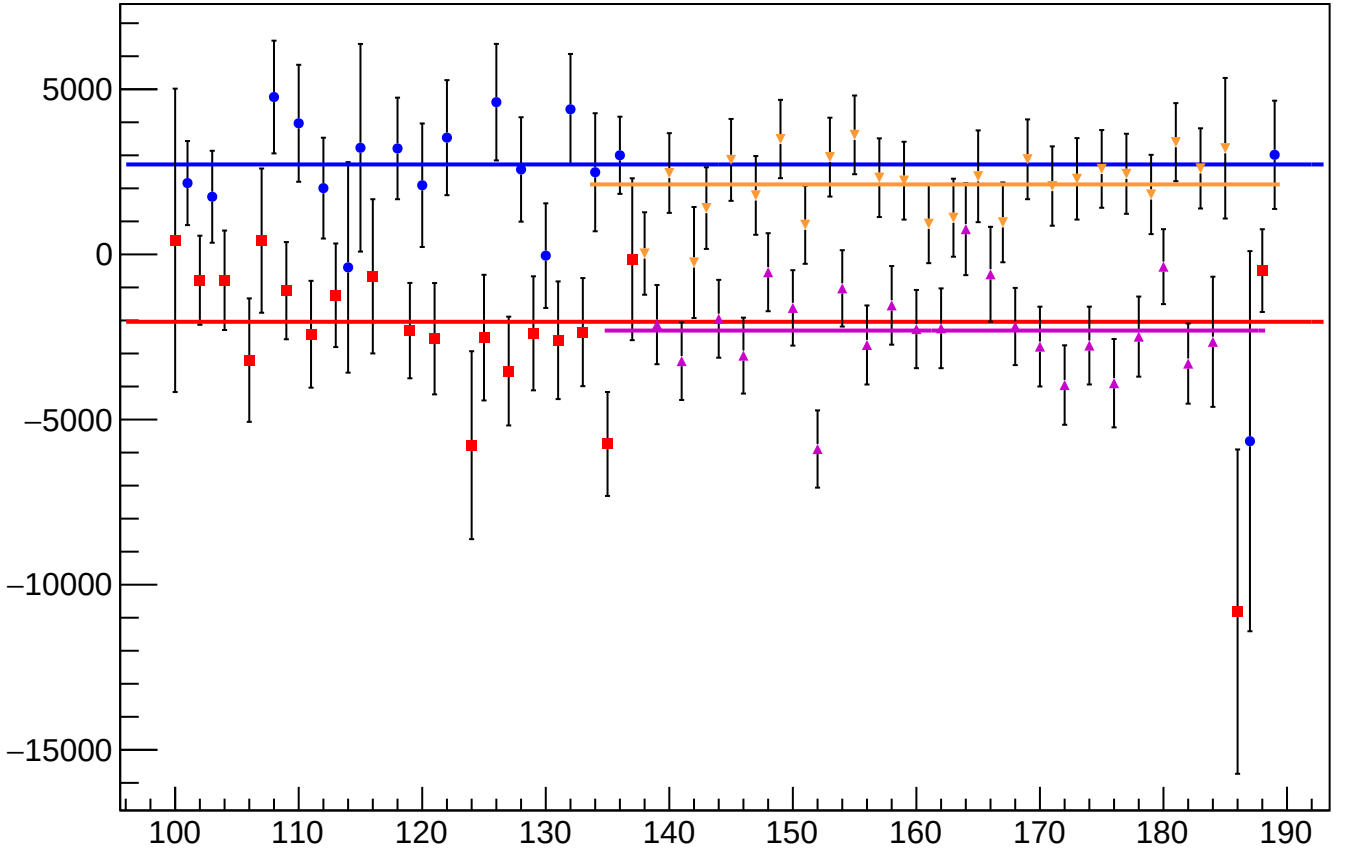
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1540.711+/-0.213 χ^2/NDF: 1863790.5/42

All: 1551.968+/-0.152 χ^2/NDF: 4079021.1/86

- sign 1563.641+/-0.217 χ^2/NDF: 2209555.2/43

overload_cor_asym_usr_mean vs Slug



Right In: 2723.830+/-395.670 χ^2/NDF: 11.7/17

Left Out: 2119.973+/-247.544 χ^2/NDF:15.1/24

Right Out: -2040.007+/-382.289 χ^2/NDF: 18.3/20

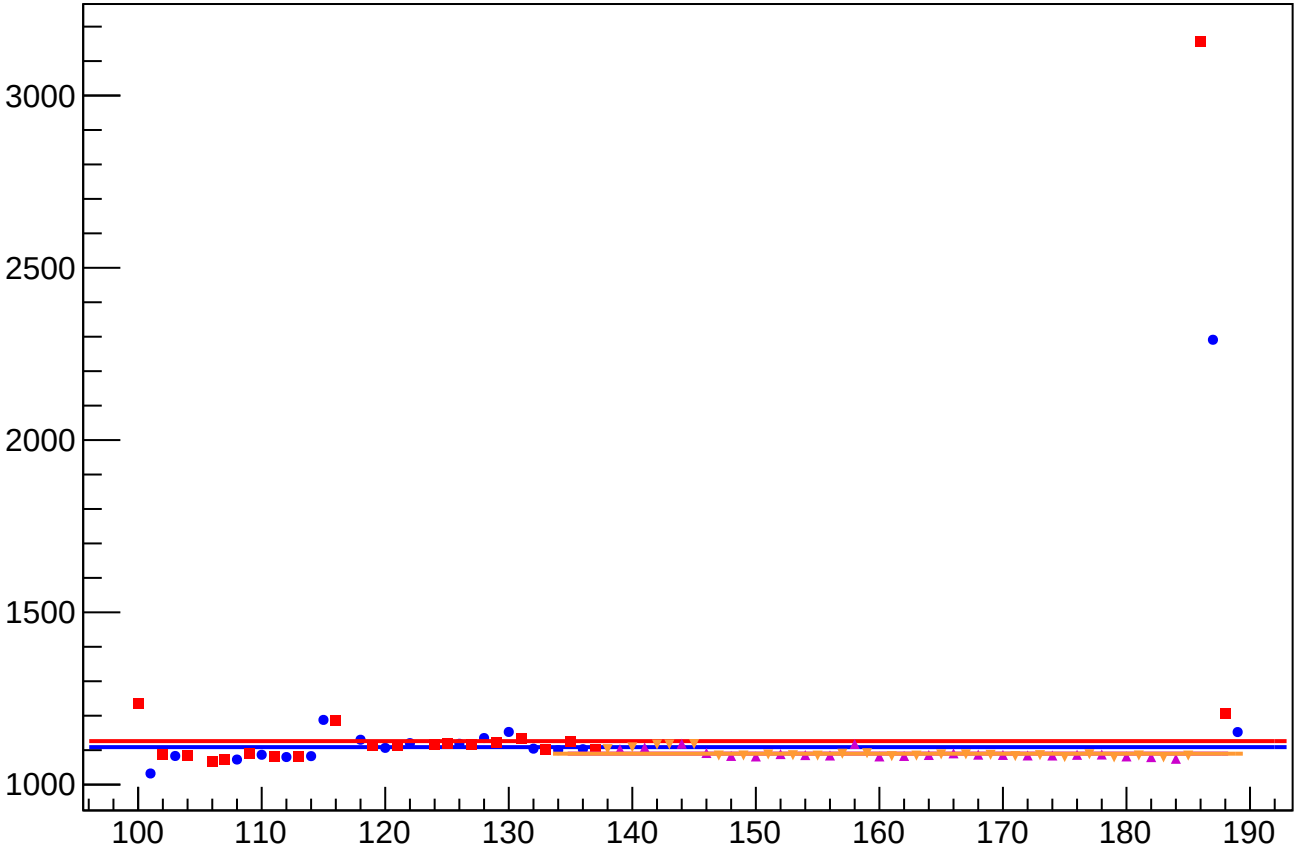
Left In: -2305.411+/-254.497 χ^2/NDF:28.5/22

+ sign 2289.842+/-209.857 χ^2/NDF: 28.5/42

All: 54.268+/-149.090 χ^2/NDF: 304.7/86

- sign -2223.909+/-211.847 χ^2/NDF: 47.1/43

overload_cor_asym_usr_rms vs Slug



Right In: 1108.777+/-0.280 χ^2/NDF: 99830.0/17

Left Out: 1089.744+/-0.175 χ^2/NDF:4057.6/24

Right Out: 1126.204+/-0.270 χ^2/NDF: 364016.8/20

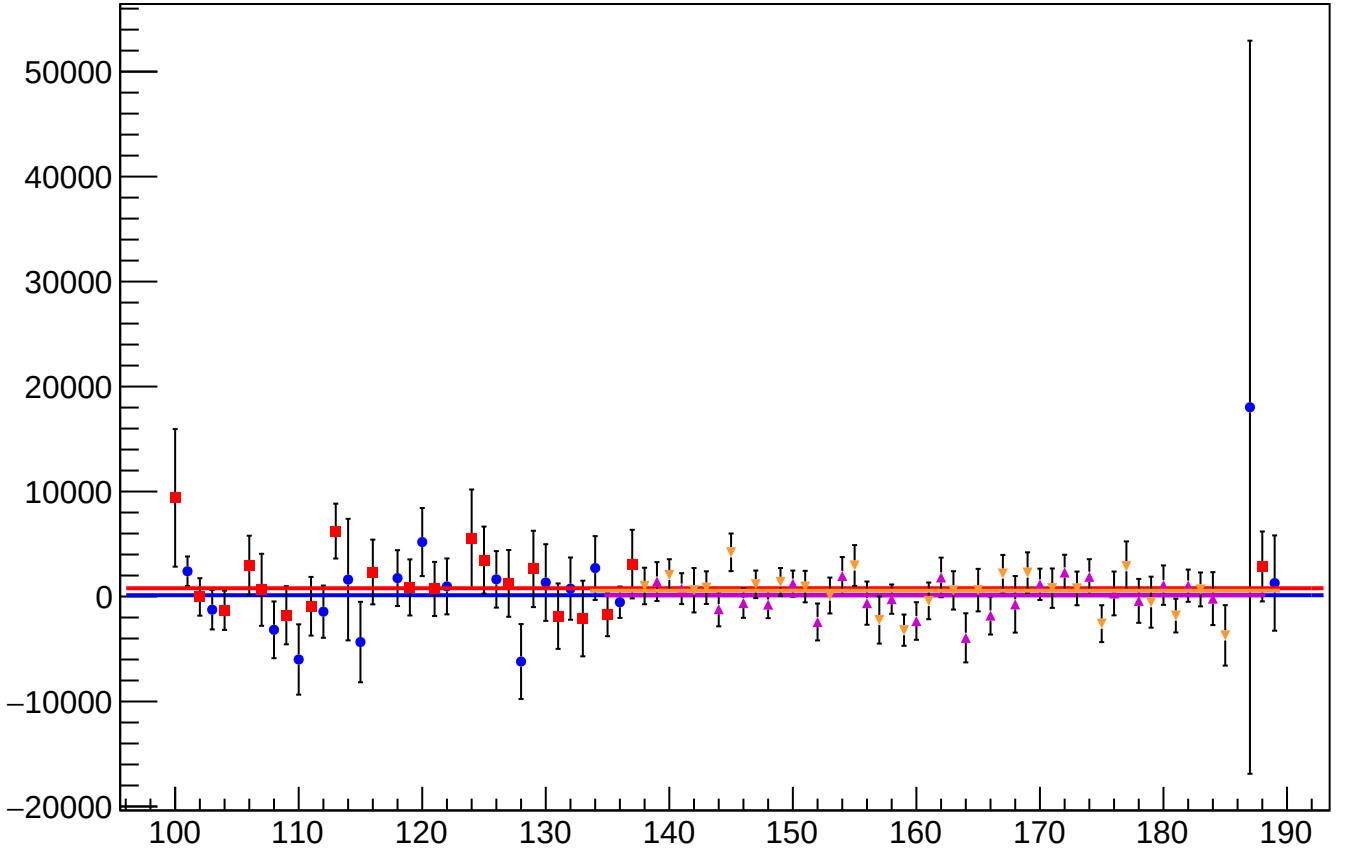
Left In: 1089.964+/-0.180 χ^2/NDF:3896.0/22

+ sign 1095.098+/-0.148 χ^2/NDF: 107213.7/42

All: 1098.067+/-0.105 χ^2/NDF: 488388.9/86

- sign 1101.093+/-0.150 χ^2/NDF: 380366.7/43

asym_usr_overload_cor_correction_mean vs Slug



Right In: 124.579+/-613.108 χ^2/NDF: 17.6/17

Left Out: 553.759+/-347.813 χ^2/NDF:26.1/24

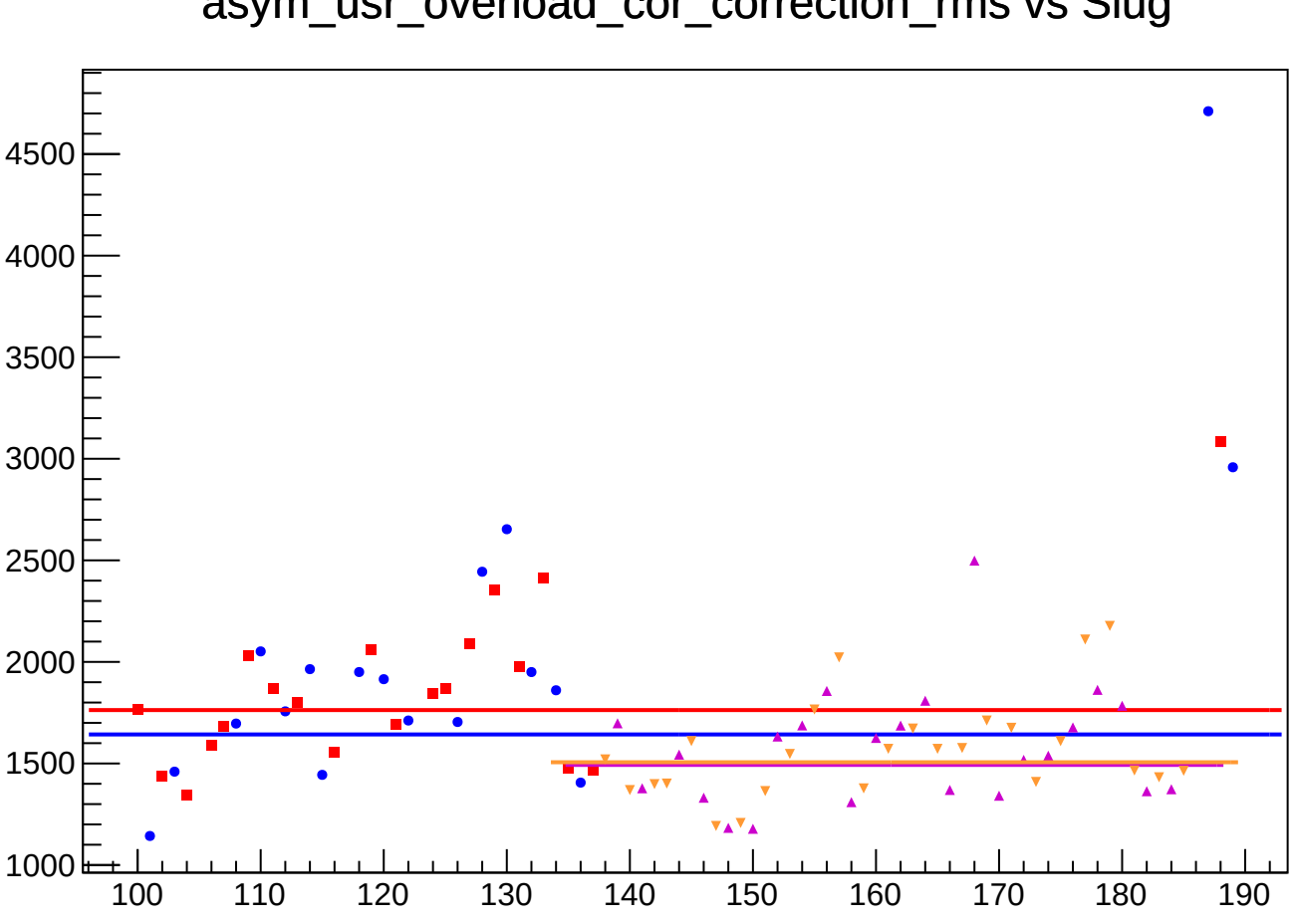
Right Out: 787.429+/-626.227 χ^2/NDF: 15.3/19

Left In: 121.420+/-354.540 χ^2/NDF:17.1/22

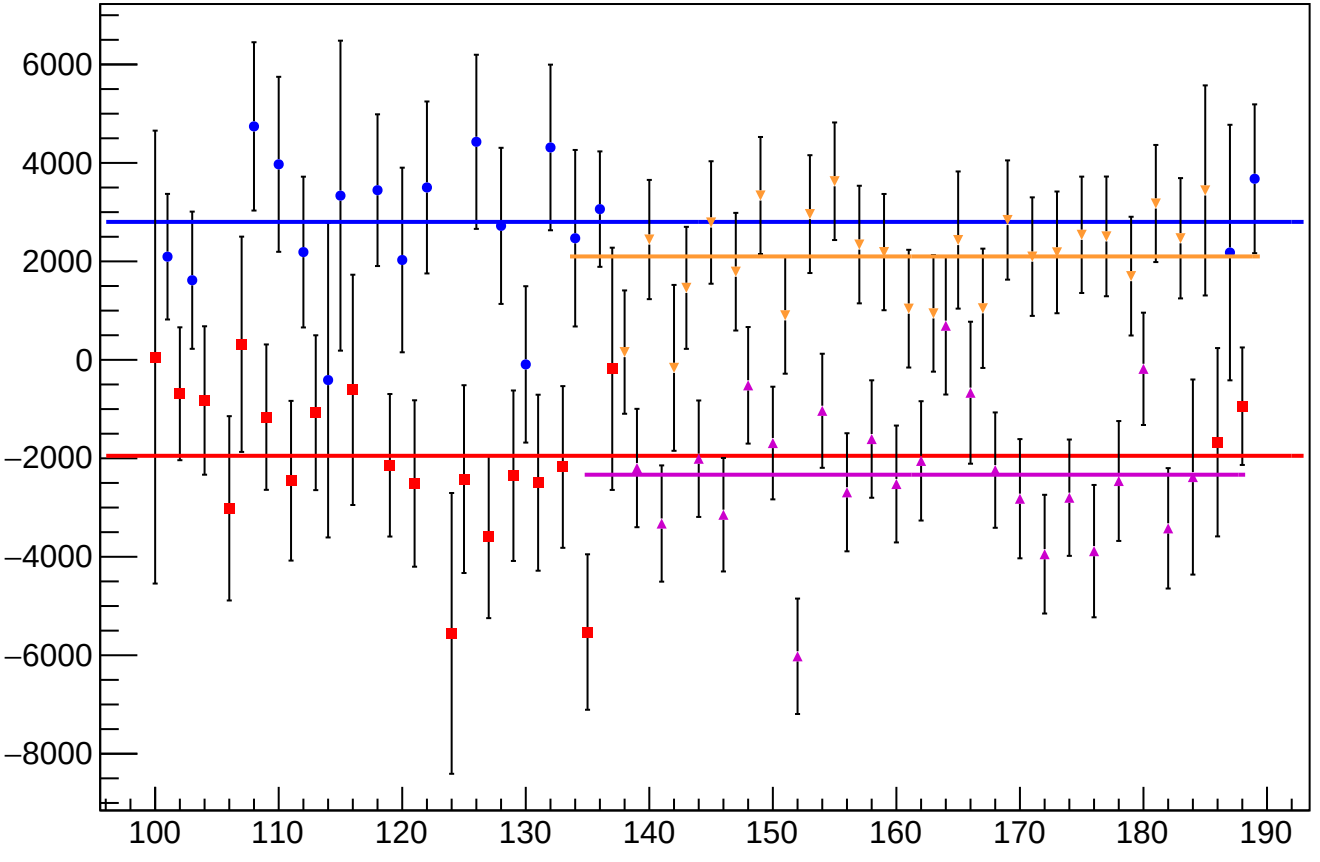
+ sign 449.267+/-302.523 χ^2/NDF: 44.1/42

All: 367.806+/-216.007 χ^2/NDF: 77.5/85

- sign 283.079+/-308.526 χ^2/NDF: 33.3/42


asym_usr_overload_cor_correction_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
100
110
120
130
140
150
160
170
180
190
Right In: 1642.905+/-0.434 χ²/NDF: 878467.7/17
Left Out: 1506.103+/-0.246 χ²/NDF:796401.8/24
Right Out: 1762.880+/-0.443 χ²/NDF: 753679.2/19
Left In: 1492.976+/-0.251 χ²/NDF:964358.0/22
+ sign 1539.410+/-0.214 χ²/NDF: 1750199.9/42
All: 1548.762+/-0.153 χ²/NDF: 3753479.8/85
- sign 1558.489+/-0.218 χ²/NDF: 1999380.6/42

eigen_cor_asym_usr_mean vs Slug



Right In: 2801.989+/-391.039 χ^2/NDF: 9.9/17

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -1948.847+/-375.067 χ^2/NDF: 13.4/20

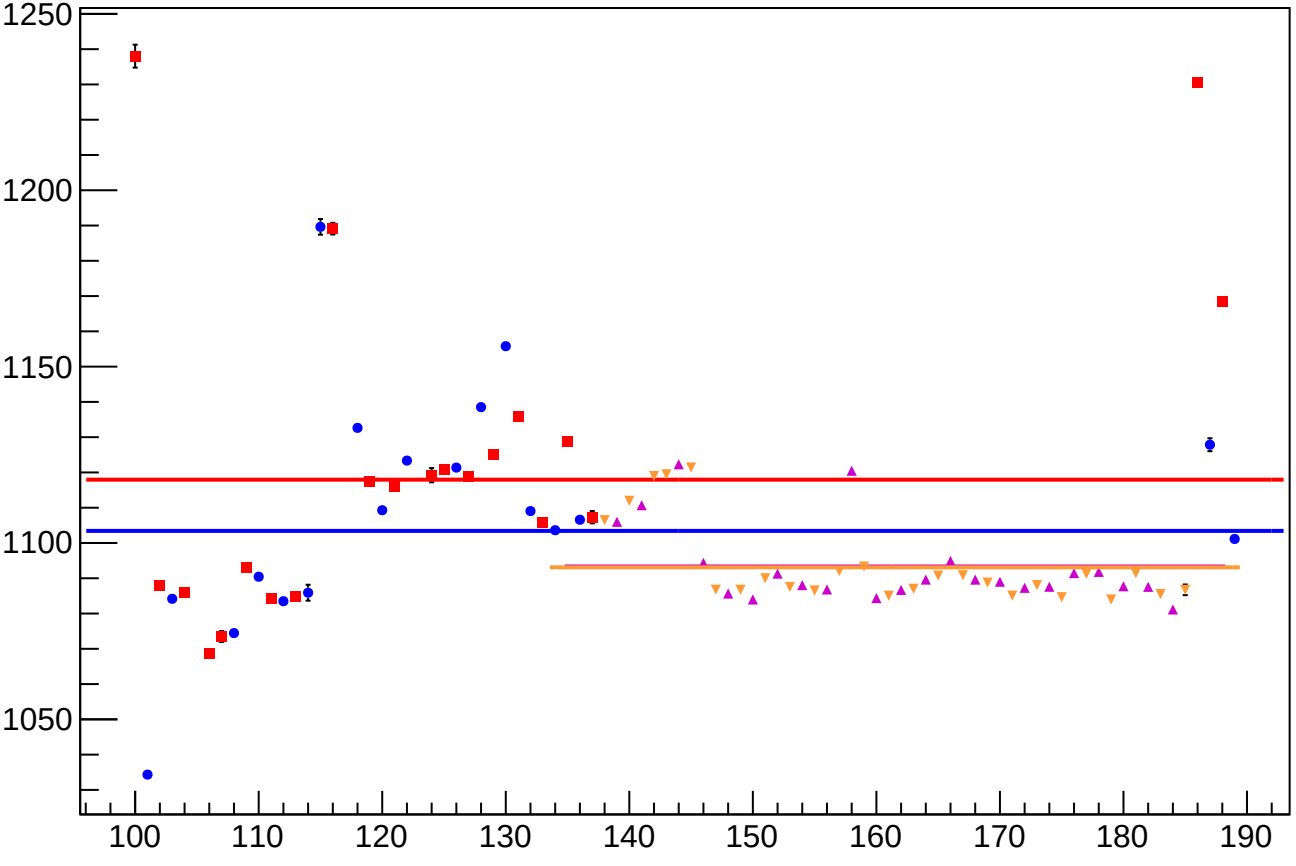
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2302.001+/-209.617 χ^2/NDF: 26.0/42

All: 60.587+/-148.722 χ^2/NDF: 299.8/86

- sign -2211.347+/-211.039 χ^2/NDF: 43.6/43

eigen_cor_asym_usr_rms vs Slug



Right In: 1103.429+/-0.277 χ^2/NDF: 13408.0/17

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1117.953+/-0.265 χ^2/NDF: 20607.2/20

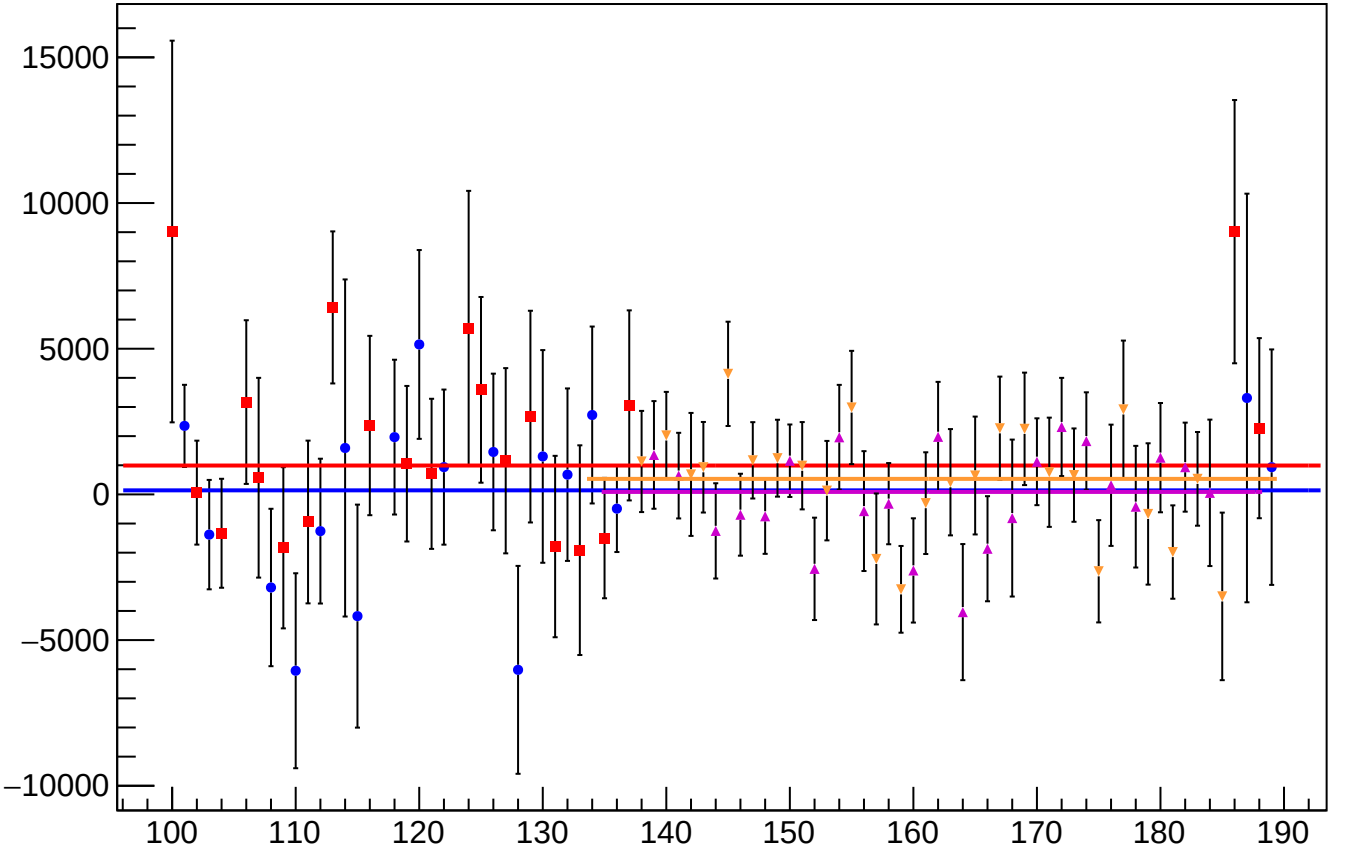
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1096.070+/-0.148 χ^2/NDF: 18385.2/42

All: 1098.583+/-0.105 χ^2/NDF: 49183.8/86

- sign 1101.131+/-0.149 χ^2/NDF: 30219.5/43

asym_usr_eigen_cor_correction_mean vs Slug



Right In: 139.208+/-608.682 χ^2/NDF: 17.2/17

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 991.018+/-617.990 χ^2/NDF: 18.5/20

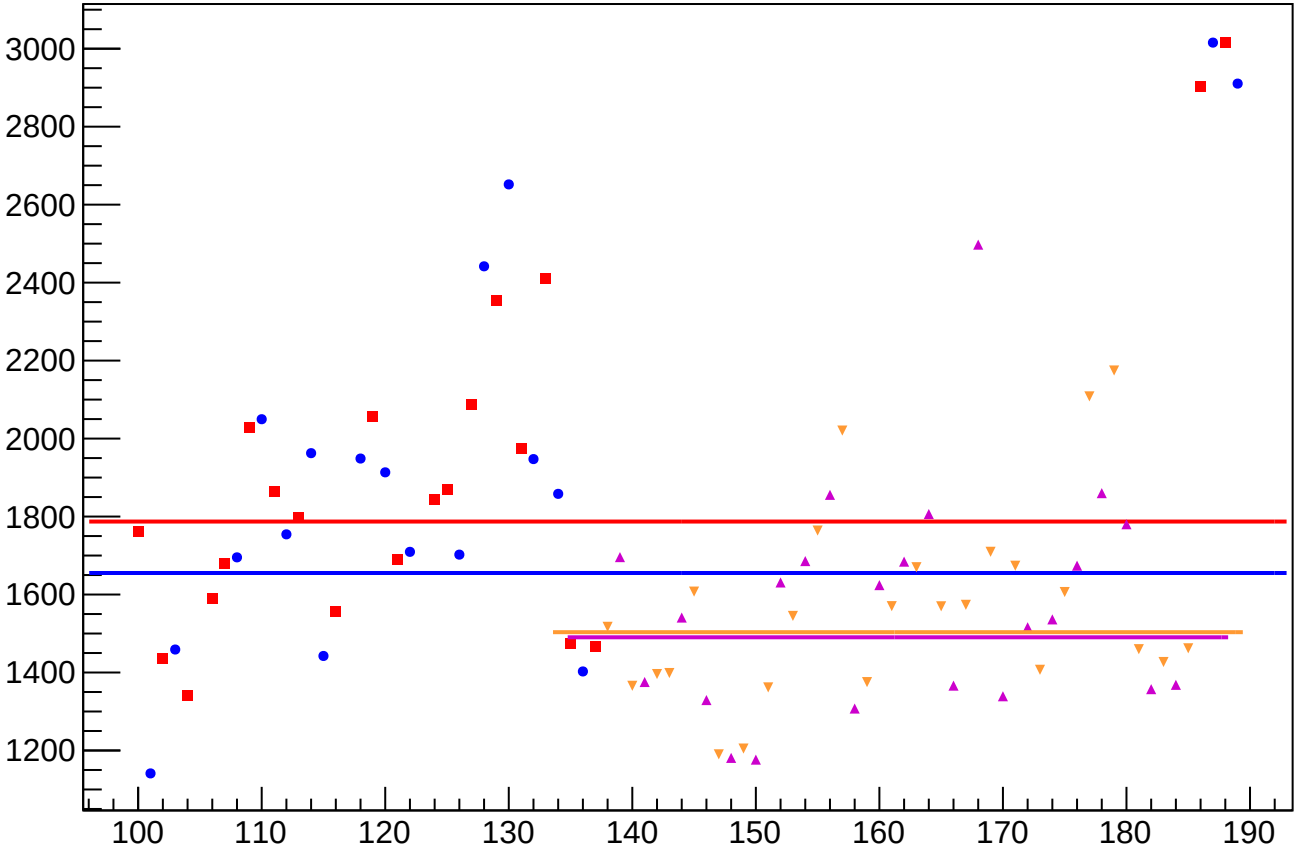
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

\+ sign 436.303+/-301.601 χ^2/NDF: 43.9/42

All: 373.821+/-215.192 χ^2/NDF: 82.2/86

\- sign 309.026+/-307.130 χ^2/NDF: 38.2/43

asym_usr_eigen_cor_correction_rms vs Slug



Right In: 1655.255+/-0.430 χ^2/NDF: 970245.9/17

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

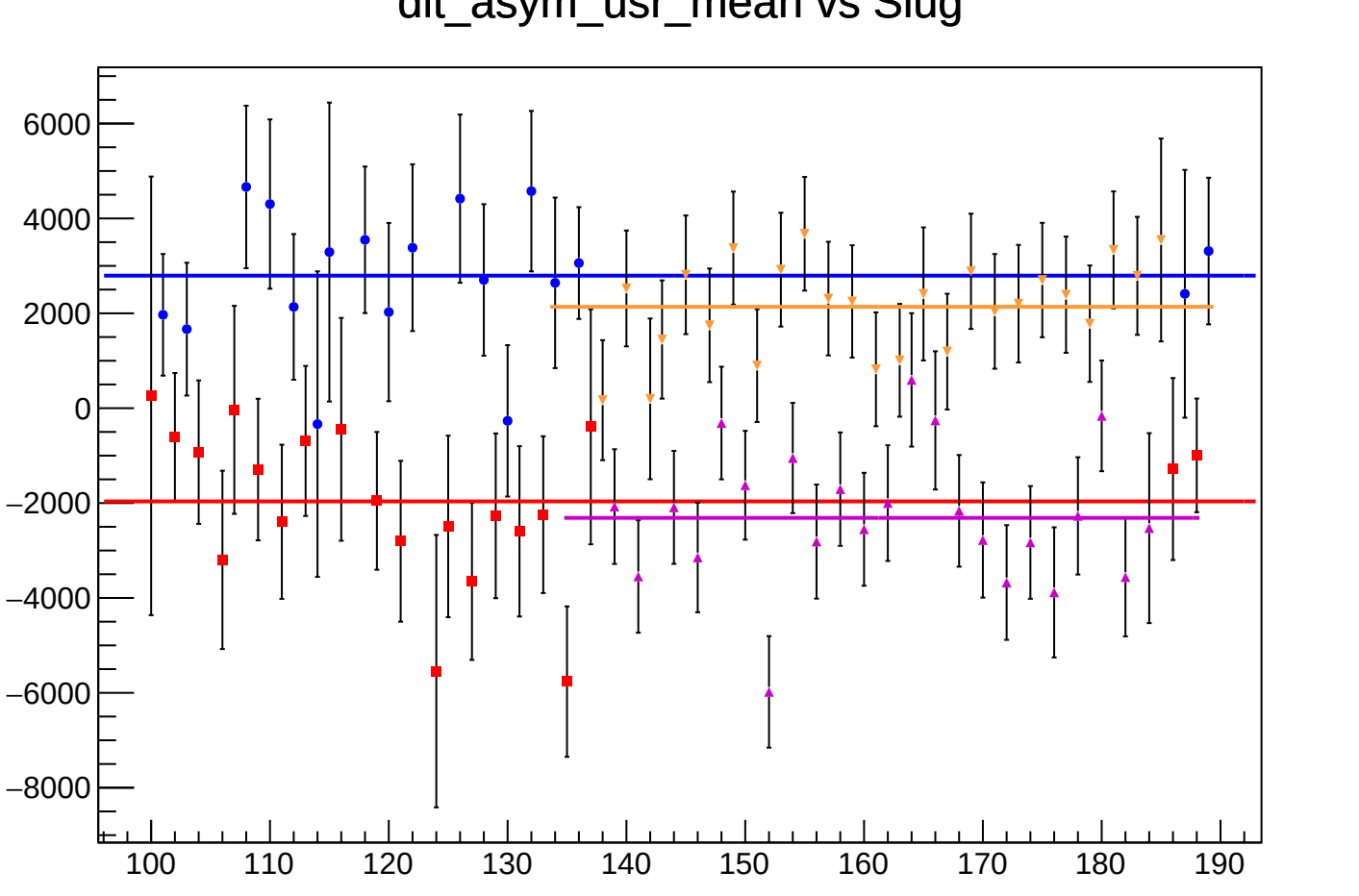
Right Out: 1787.195+/-0.437 χ^2/NDF: 893771.4/20

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1540.711+/-0.213 χ^2/NDF: 1863790.5/42

All: 1551.968+/-0.152 χ^2/NDF: 4079021.1/86

- sign 1563.641+/-0.217 χ^2/NDF: 2209555.2/43



Right In: 2793.942+/-393.174 χ^2/NDF: 10.5/17

Left Out: 2137.184+/-250.195 χ^2/NDF:13.9/24

Right Out: -1964.677+/-376.687 χ^2/NDF: 14.3/20

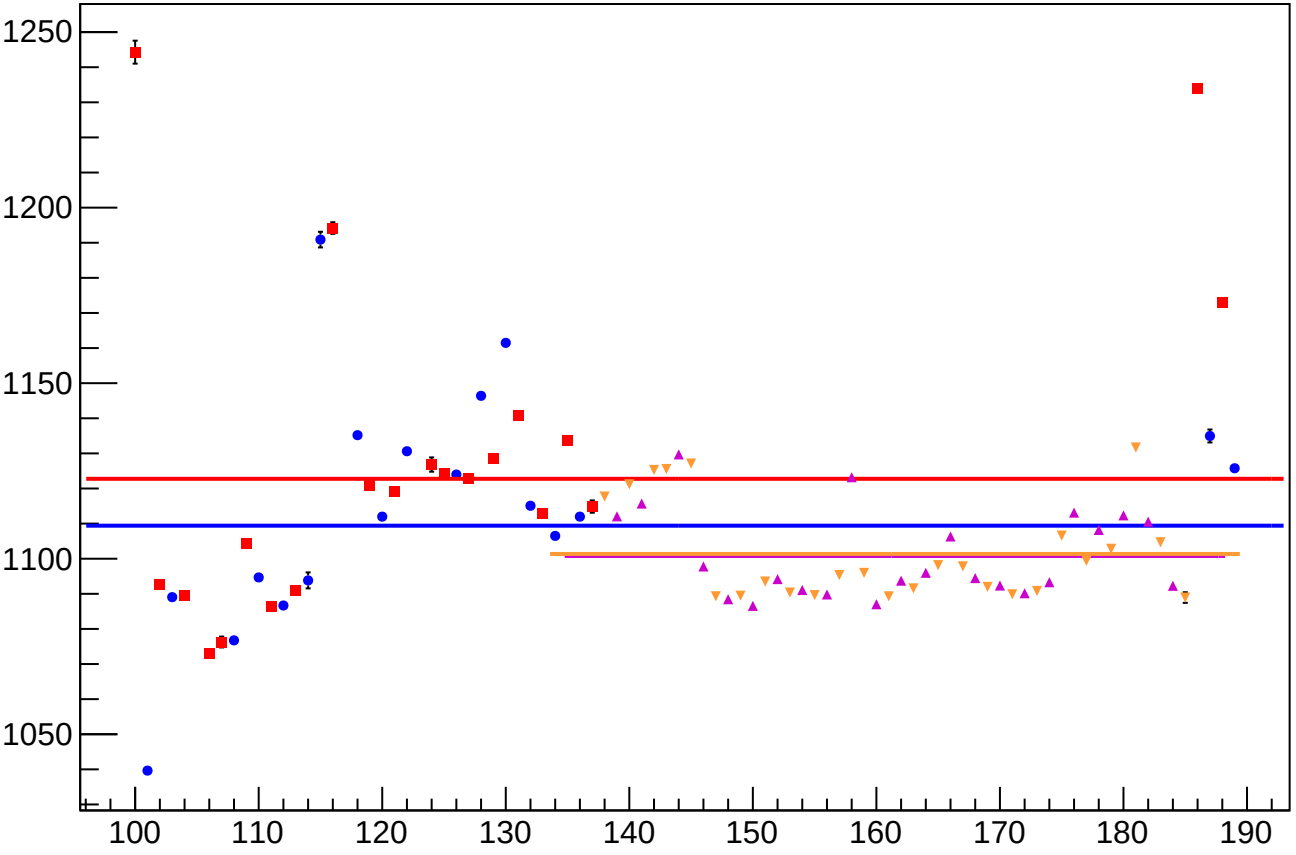
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

+ sign 2326.478+/-211.081 χ^2/NDF: 26.4/42

All: 75.700+/-149.692 χ^2/NDF: 299.9/86

- sign -2201.495+/-212.316 χ^2/NDF: 44.8/43

dit_asym_usr_rms vs Slug



Right In: 1109.408+/-0.278 χ^2/NDF: 13674.4/17

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1122.762+/-0.266 χ^2/NDF: 20295.5/20

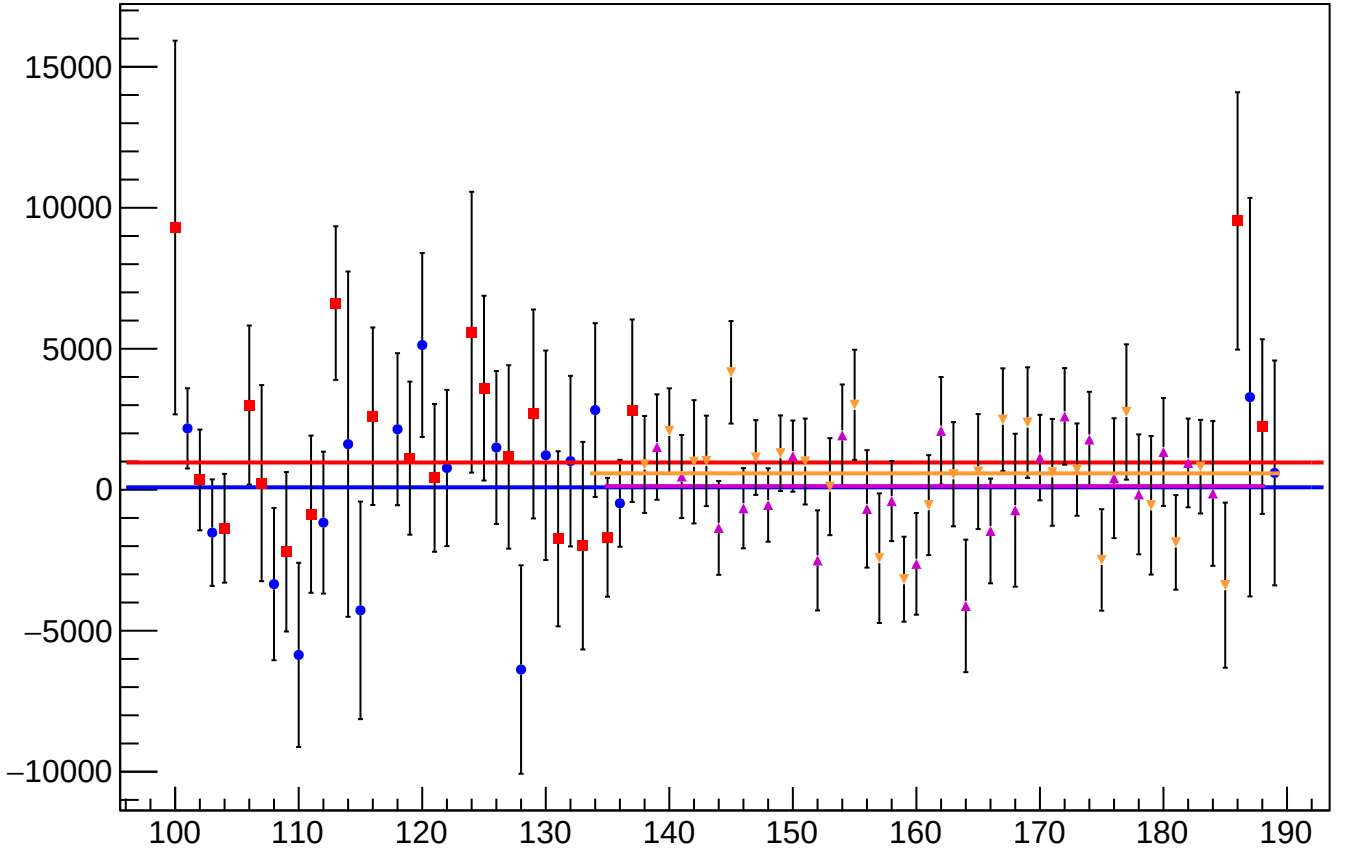
Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

+ sign 1103.675+/-0.149 χ^2/NDF: 20222.5/42

All: 1105.711+/-0.106 χ^2/NDF: 50175.9/86

- sign 1107.772+/-0.150 χ^2/NDF: 29578.9/43

asym_usr_dit_correction_mean vs Slug



Right In: 85.730+/-618.038 χ^2/NDF: 17.1/17

Left Out: 581.427+/-353.389 χ^2/NDF:25.4/24

Right Out: 966.451+/-628.041 χ^2/NDF: 18.8/20

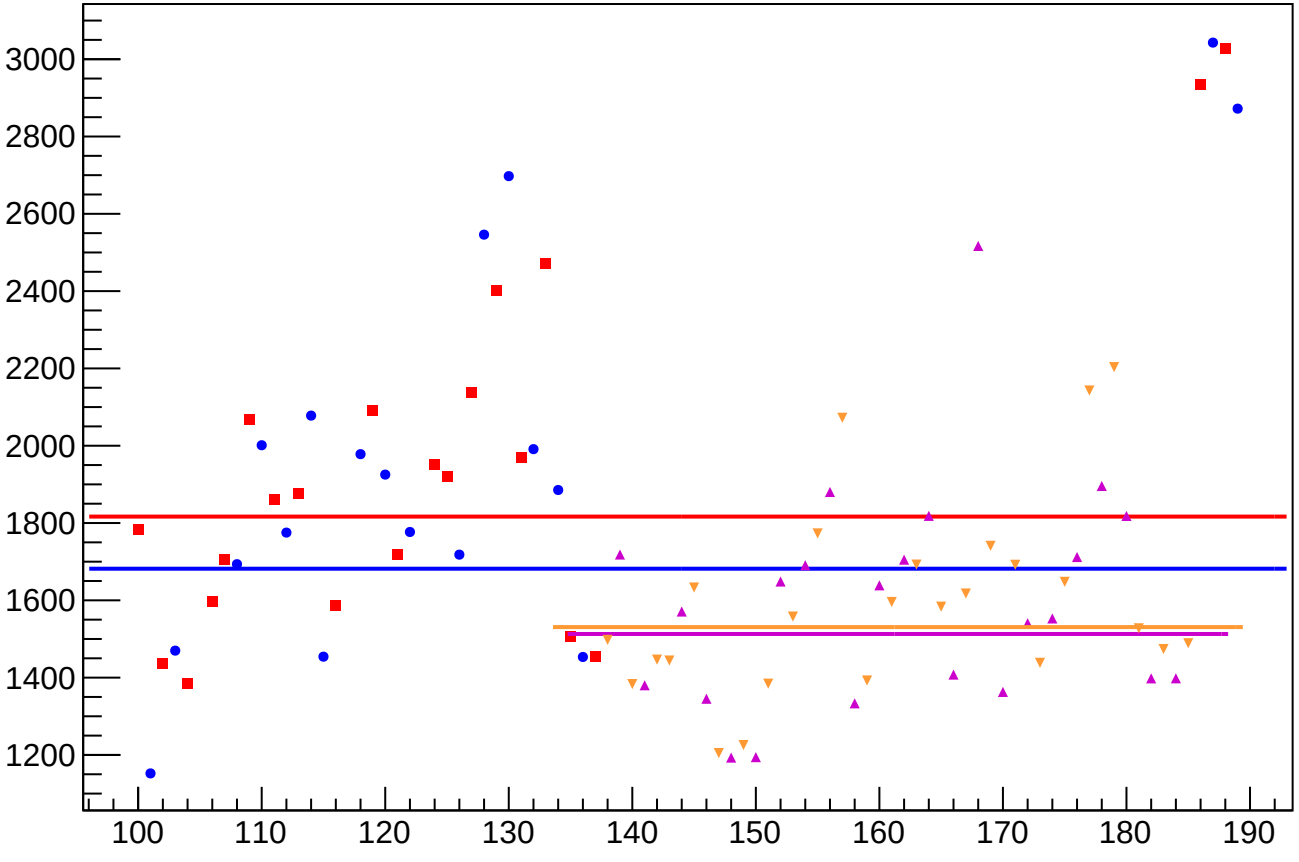
Left In: 128.769+/-359.128 χ^2/NDF:17.9/22

+ sign 459.292+/-306.779 χ^2/NDF: 43.0/42

All: 398.236+/-218.665 χ^2/NDF: 81.0/86

- sign 335.182+/-311.758 χ^2/NDF: 38.0/43

asym_usr_dit_correction_rms vs Slug



Right In: 1681.805+/-0.437 χ^2/NDF: 961865.1/17

Left Out: 1530.764+/-0.250 χ^2/NDF:795634.5/24

Right Out: 1816.677+/-0.444 χ^2/NDF: 890990.2/20

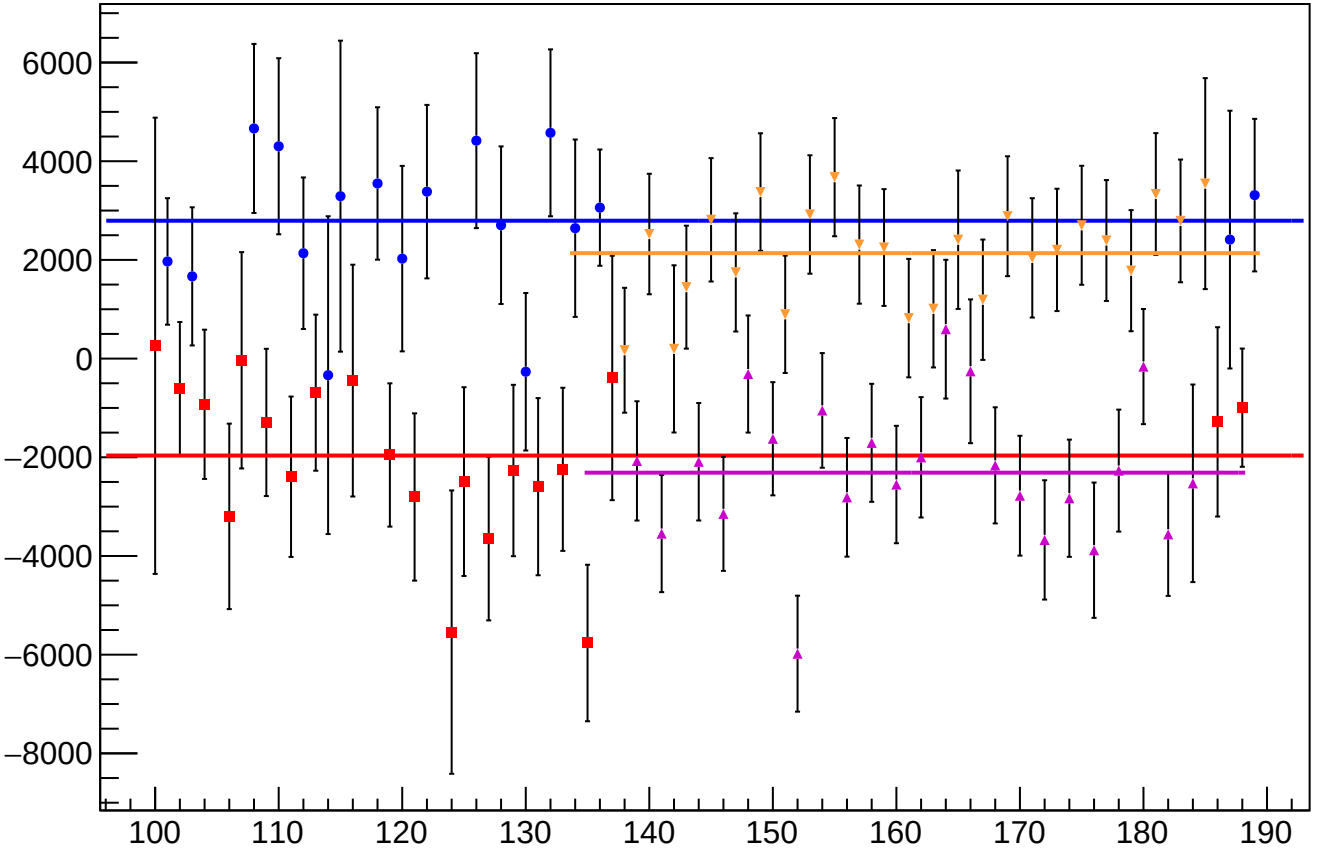
Left In: 1512.947+/-0.254 χ^2/NDF:957059.5/22

+ sign 1567.979+/-0.217 χ^2/NDF: 1847519.2/42

All: 1577.725+/-0.155 χ^2/NDF: 4052176.3/86

- sign 1587.789+/-0.220 χ^2/NDF: 2200554.5/43

eigen_dit_asym_usr_mean vs Slug



Right In: 2793.942+/-393.174 χ^2/NDF: 10.5/17

Left Out: 2137.182+/-250.195 χ^2/NDF:13.9/24

Right Out: -1964.677+/-376.686 χ^2/NDF: 14.3/20

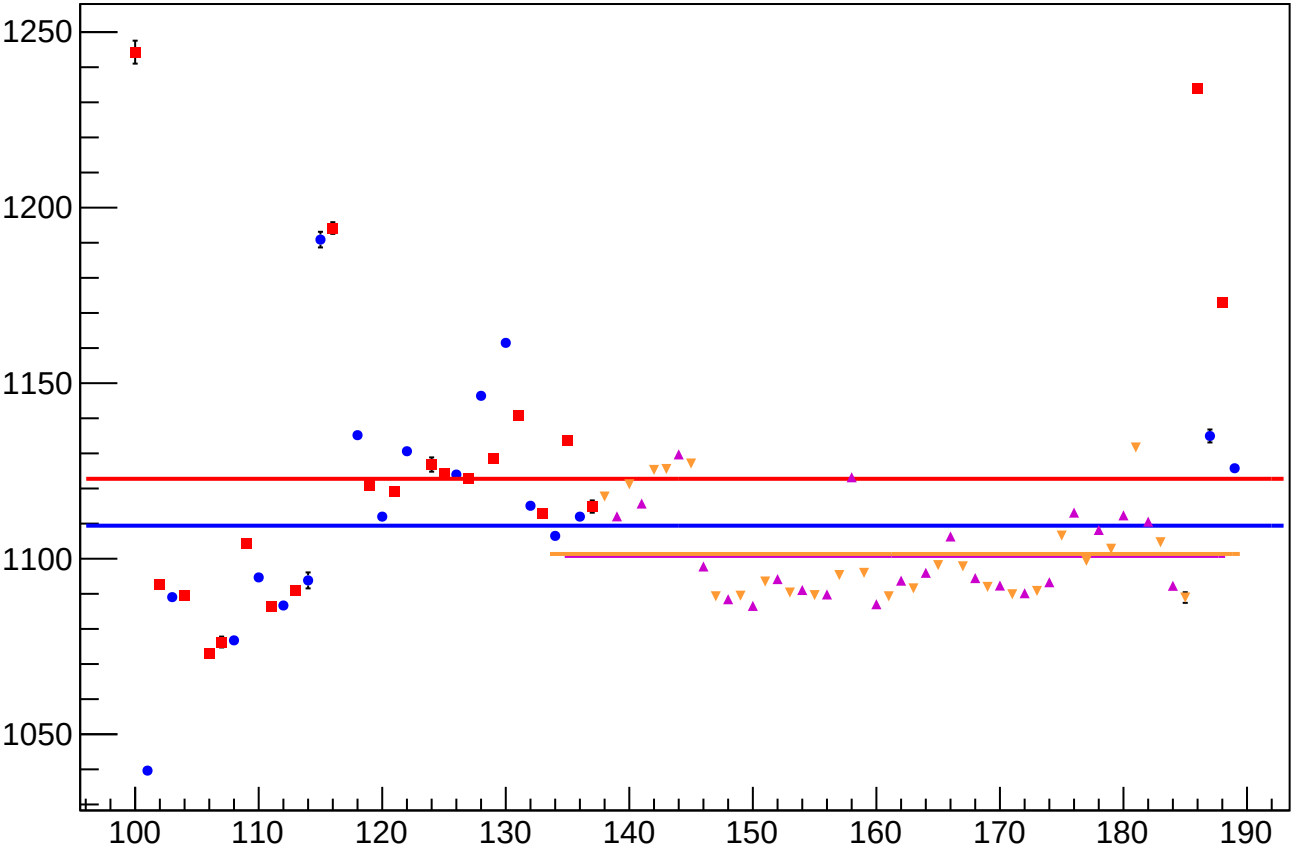
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

+ sign 2326.476+/-211.081 χ^2/NDF: 26.4/42

All: 75.700+/-149.692 χ^2/NDF: 299.9/86

- sign -2201.495+/-212.316 χ^2/NDF: 44.8/43

eigen_dit_asym_usr_rms vs Slug



Right In: 1109.408+/-0.278 χ^2/NDF: 13674.3/17

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1122.761+/-0.266 χ^2/NDF: 20295.5/20

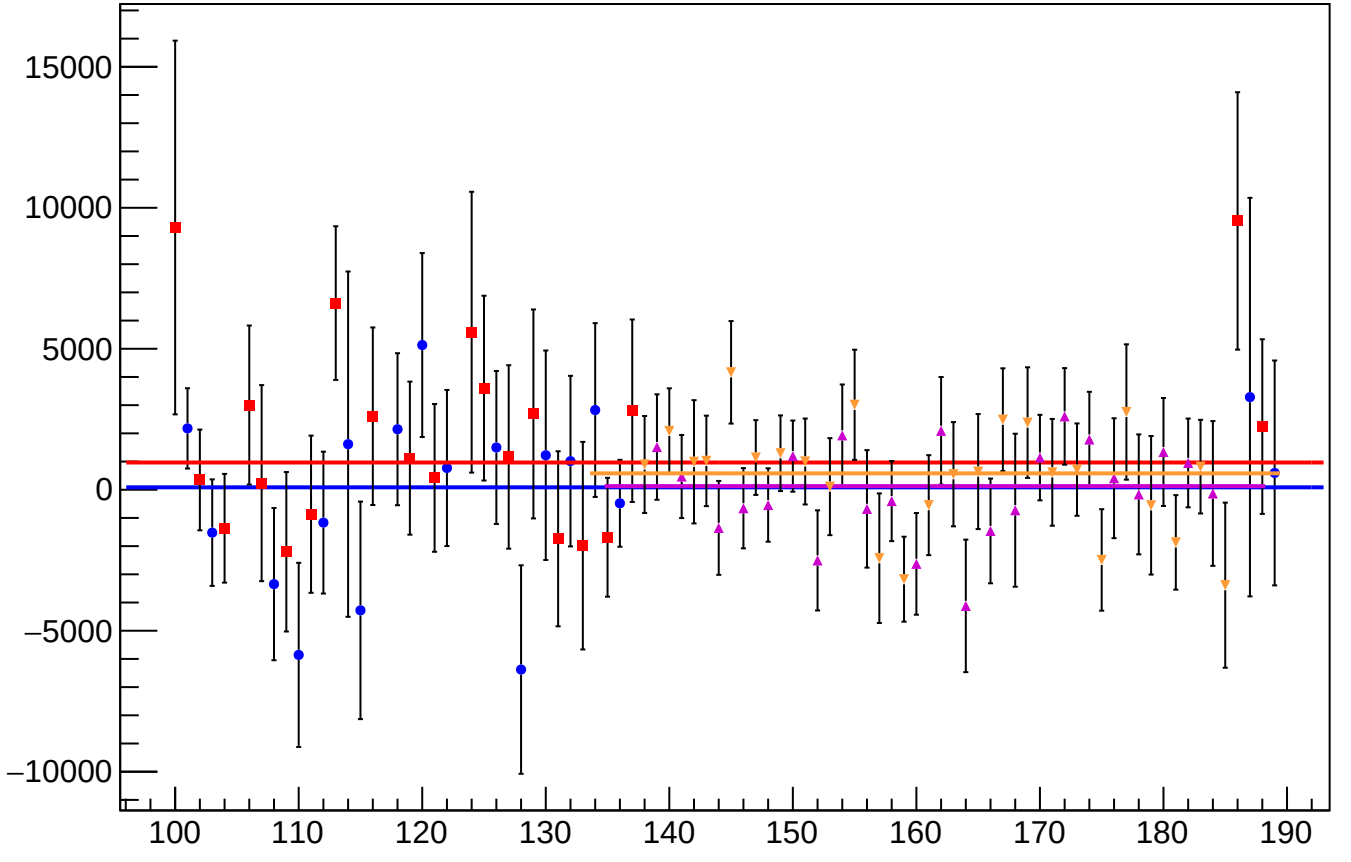
Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

+ sign 1103.675+/-0.149 χ^2/NDF: 20222.3/42

All: 1105.711+/-0.106 χ^2/NDF: 50175.7/86

- sign 1107.772+/-0.150 χ^2/NDF: 29578.9/43

asym_usr_eigen_dit_correction_mean vs Slug



Right In: 85.725+/-618.037 χ^2/NDF: 17.1/17

Left Out: 581.426+/-353.390 χ^2/NDF:25.4/24

Right Out: 966.454+/-628.040 χ^2/NDF: 18.8/20

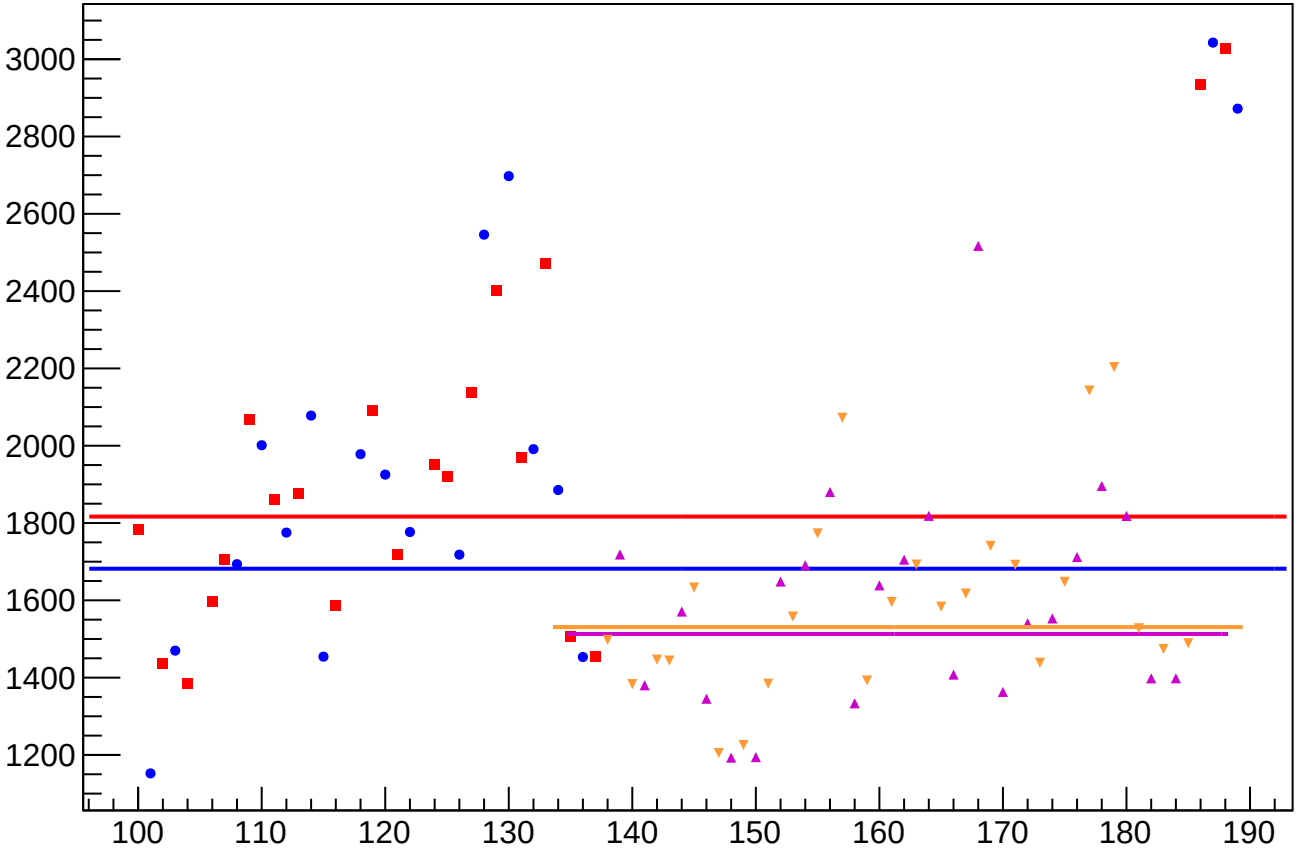
Left In: 128.769+/-359.129 χ^2/NDF:17.9/22

\+ sign 459.290+/-306.780 χ^2/NDF: 43.0/42

All: 398.236+/-218.665 χ^2/NDF: 81.0/86

\- sign 335.184+/-311.758 χ^2/NDF: 38.0/43

asym_usr_eigen_dit_correction_rms vs Slug



Right In: 1681.803+/-0.437 χ^2/NDF: 961852.9/17

Left Out: 1530.768+/-0.250 χ^2/NDF:795638.4/24

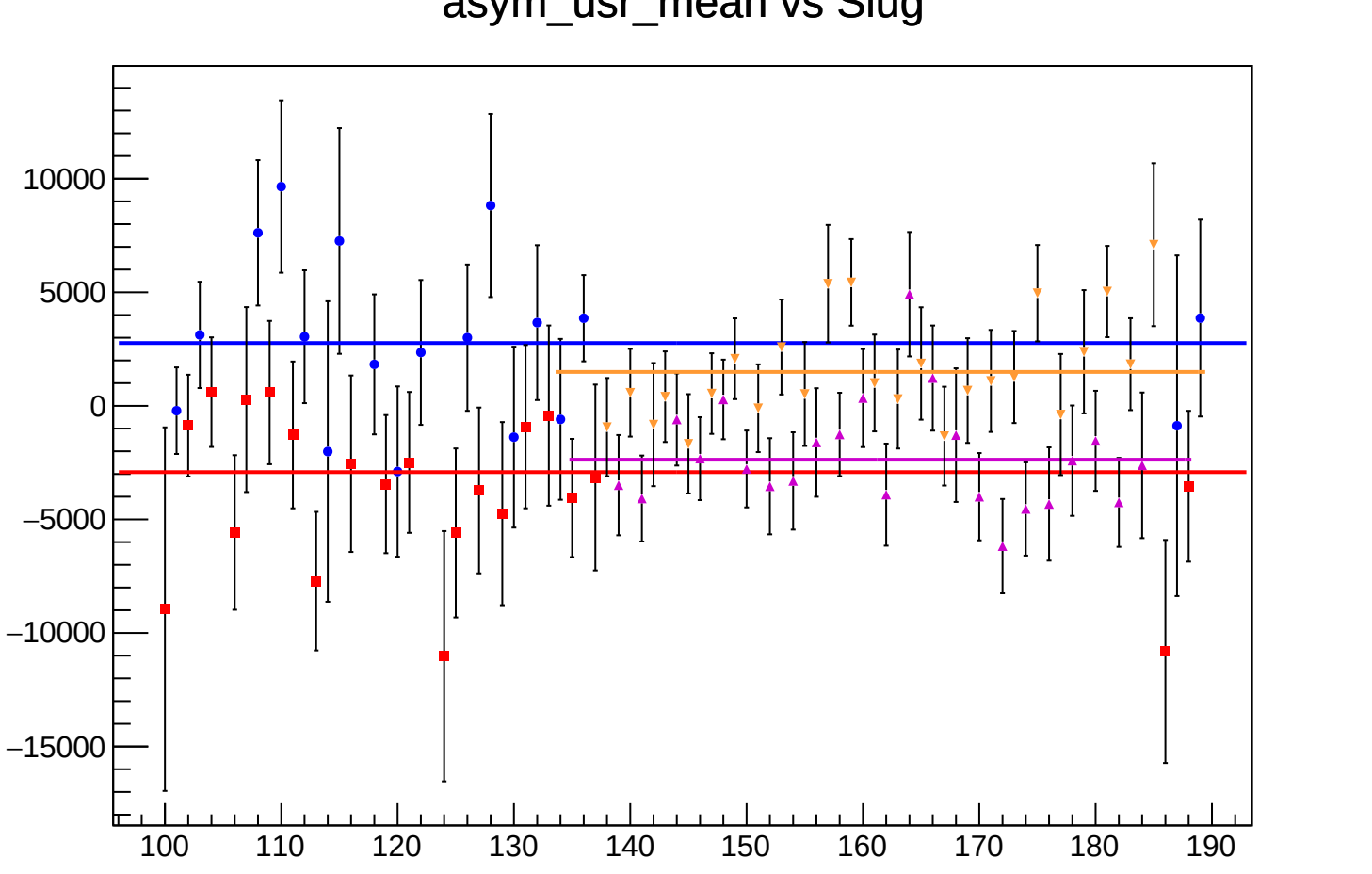
Right Out: 1816.676+/-0.444 χ^2/NDF: 890976.0/20

Left In: 1512.951+/-0.254 χ^2/NDF:957065.2/22

+ sign 1567.982+/-0.217 χ^2/NDF: 1847503.9/42

All: 1577.727+/-0.155 χ^2/NDF: 4052141.0/86

- sign 1587.792+/-0.220 χ^2/NDF: 2200534.3/43



Right In: 2766.317+/-742.148 χ^2/NDF: 16.7/17

Left Out: 1495.022+/-433.196 χ^2/NDF:23.8/24

Right Out: -2917.750+/-737.704 χ^2/NDF: 15.2/20

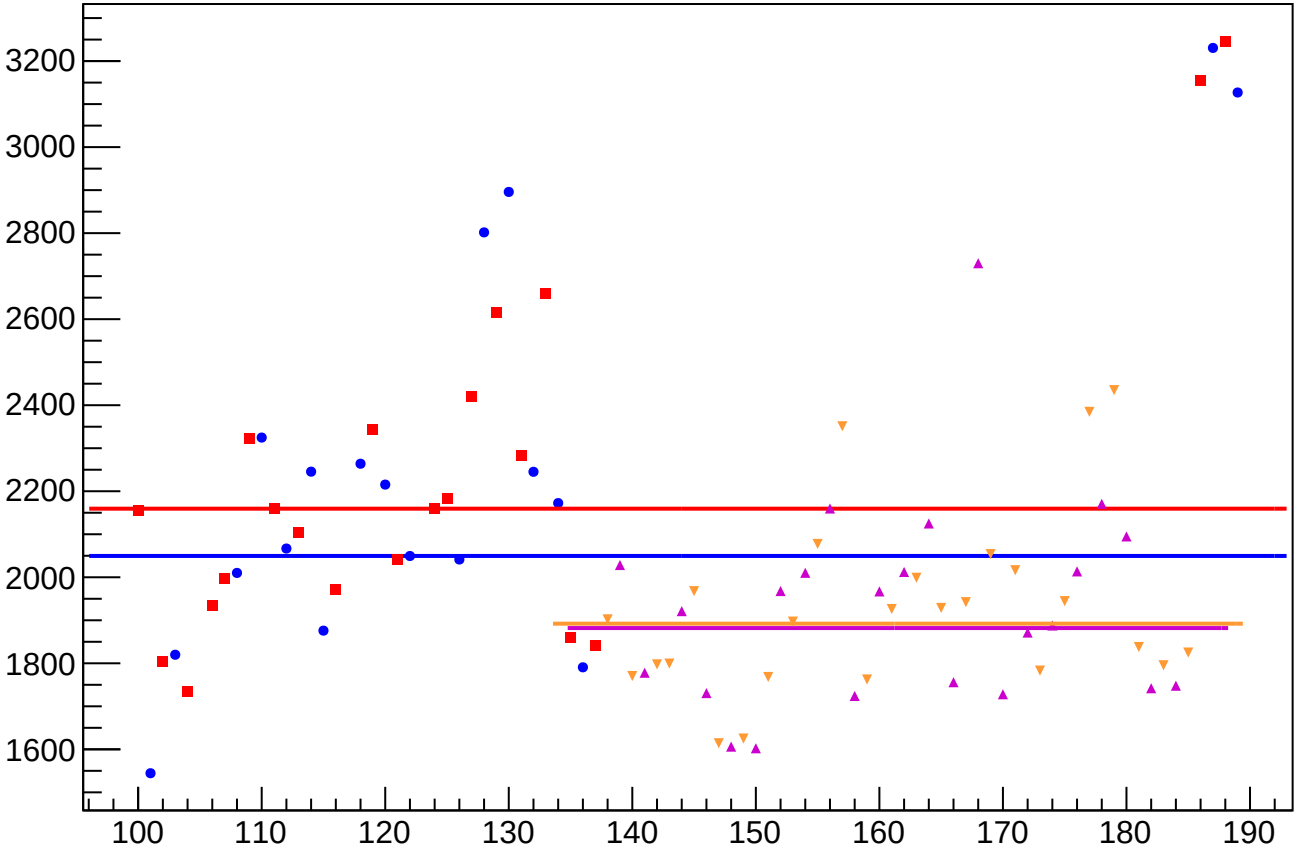
Left In: -2370.694+/-442.952 χ^2/NDF:23.7/22

+ sign 1818.093+/-374.125 χ^2/NDF: 42.7/42

All: -316.428+/-266.514 χ^2/NDF: 148.1/86

- sign -2515.661+/-379.754 χ^2/NDF: 39.3/43

asym_usr_rms vs Slug



Right In: 2049.568+/-0.525 χ^2/NDF: 567873.9/17

Left Out: 1892.117+/-0.306 χ^2/NDF:389648.0/24

Right Out: 2159.456+/-0.522 χ^2/NDF: 549483.1/20

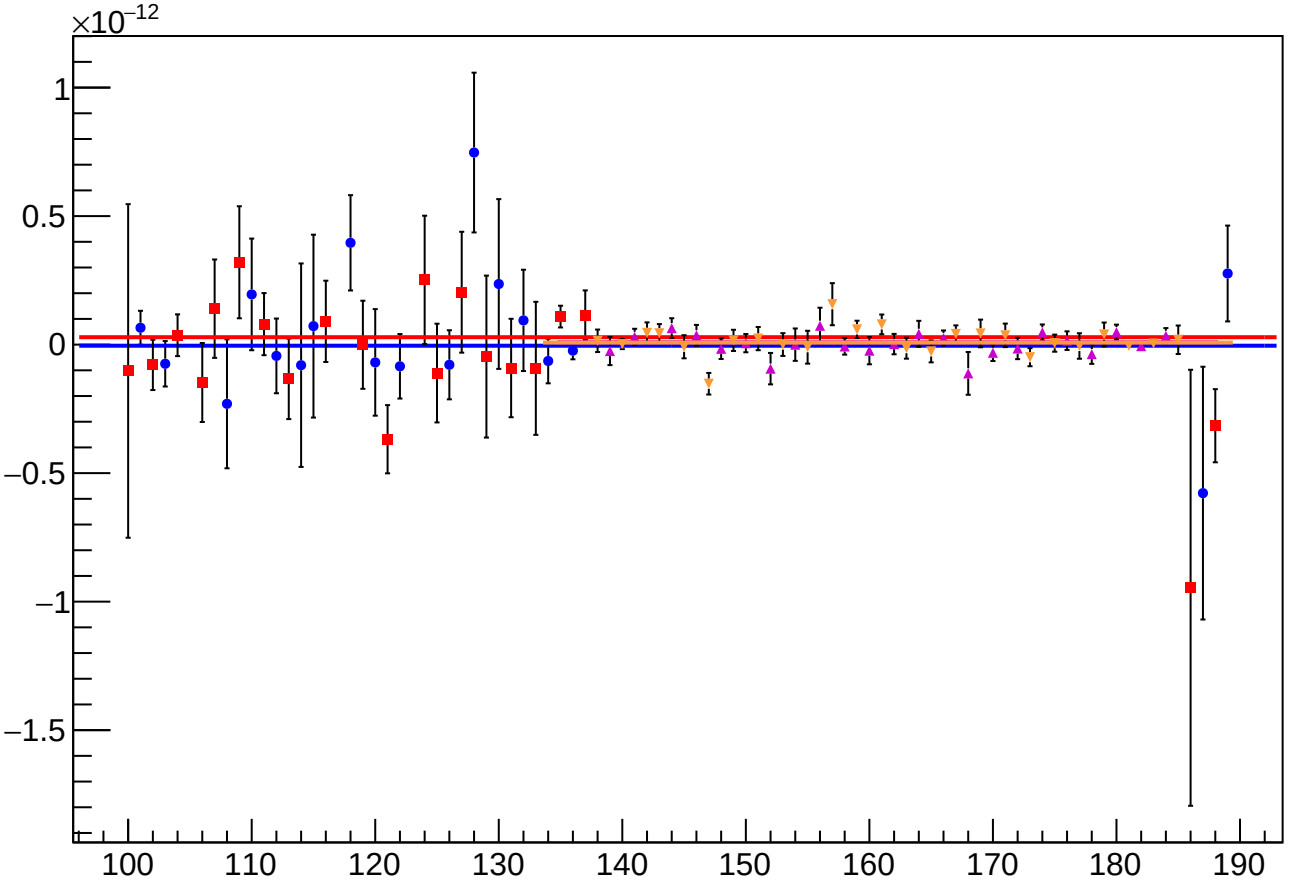
Left In: 1881.892+/-0.313 χ^2/NDF:462659.6/22

+ sign 1932.129+/-0.265 χ^2/NDF: 1024665.3/42

All: 1943.613+/-0.188 χ^2/NDF: 2248739.1/86

- sign 1955.445+/-0.269 χ^2/NDF: 1220248.0/43

asym_usr_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 20.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:32.4/24

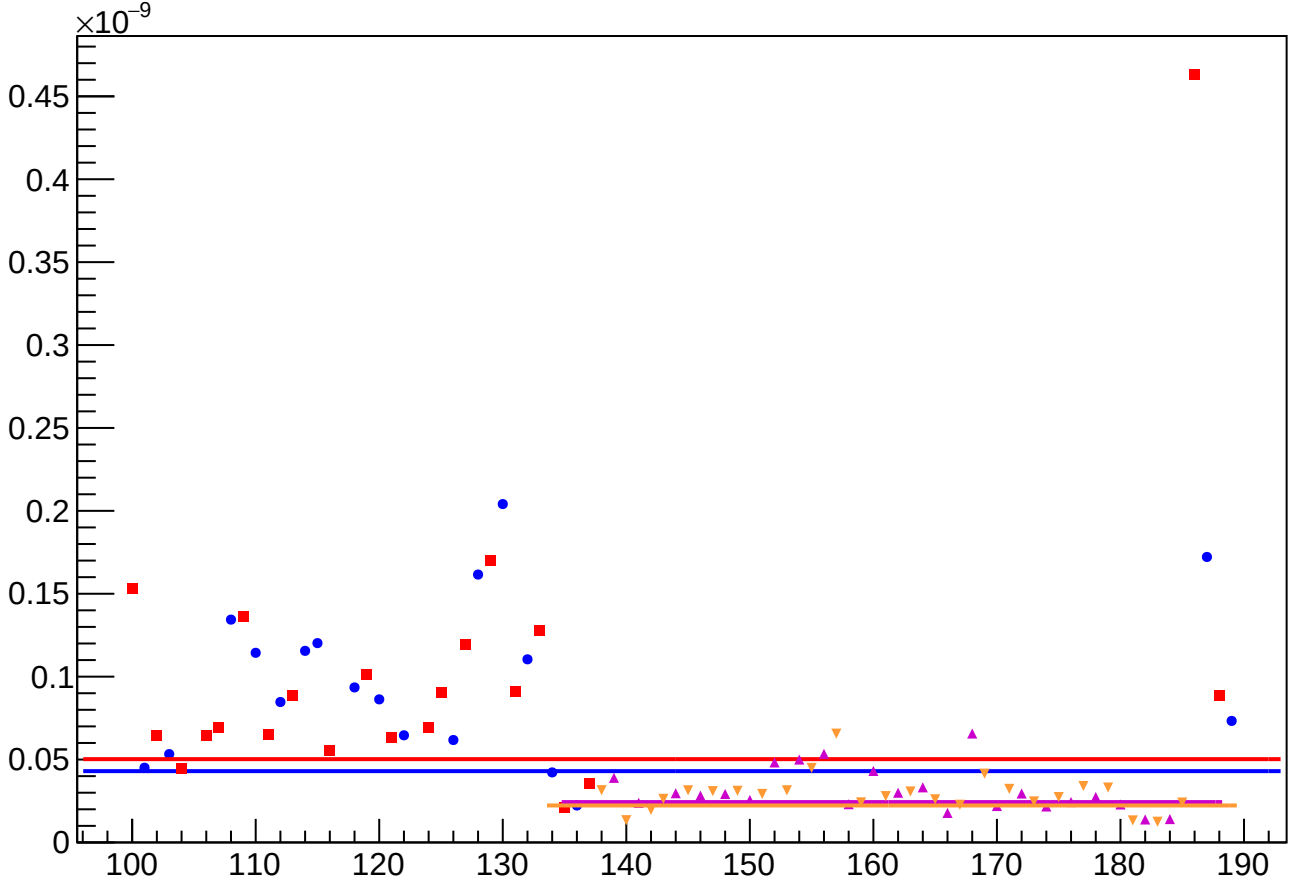
Right Out: 0.000+/-0.000 χ^2/NDF: 29.2/20

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.7/42

All: 0.000+/-0.000 χ^2/NDF: 101.6/86

- sign 0.000+/-0.000 χ^2/NDF: 48.8/43



Right In: 0.000+/-0.000 χ^2/NDF: 3126695.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:3629538.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3234711.5/20

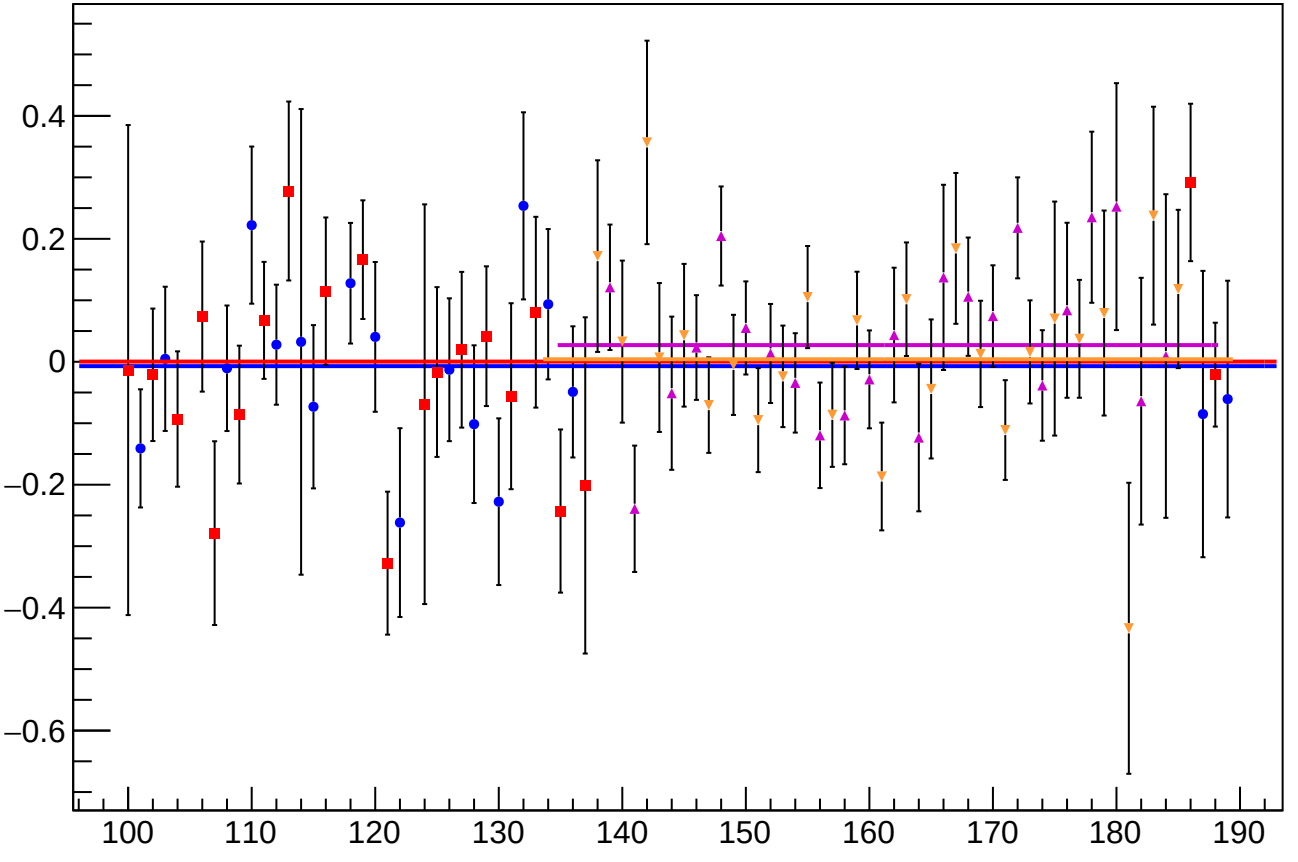
Left In: 0.000+/-0.000 χ^2/NDF:3124271.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 8125176.3/42

All: 0.000+/-0.000 χ^2/NDF: 16368224.5/86

- sign 0.000+/-0.000 χ^2/NDF: 8123956.0/43

asym_usr_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.029 χ^2/NDF: 17.5/17

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

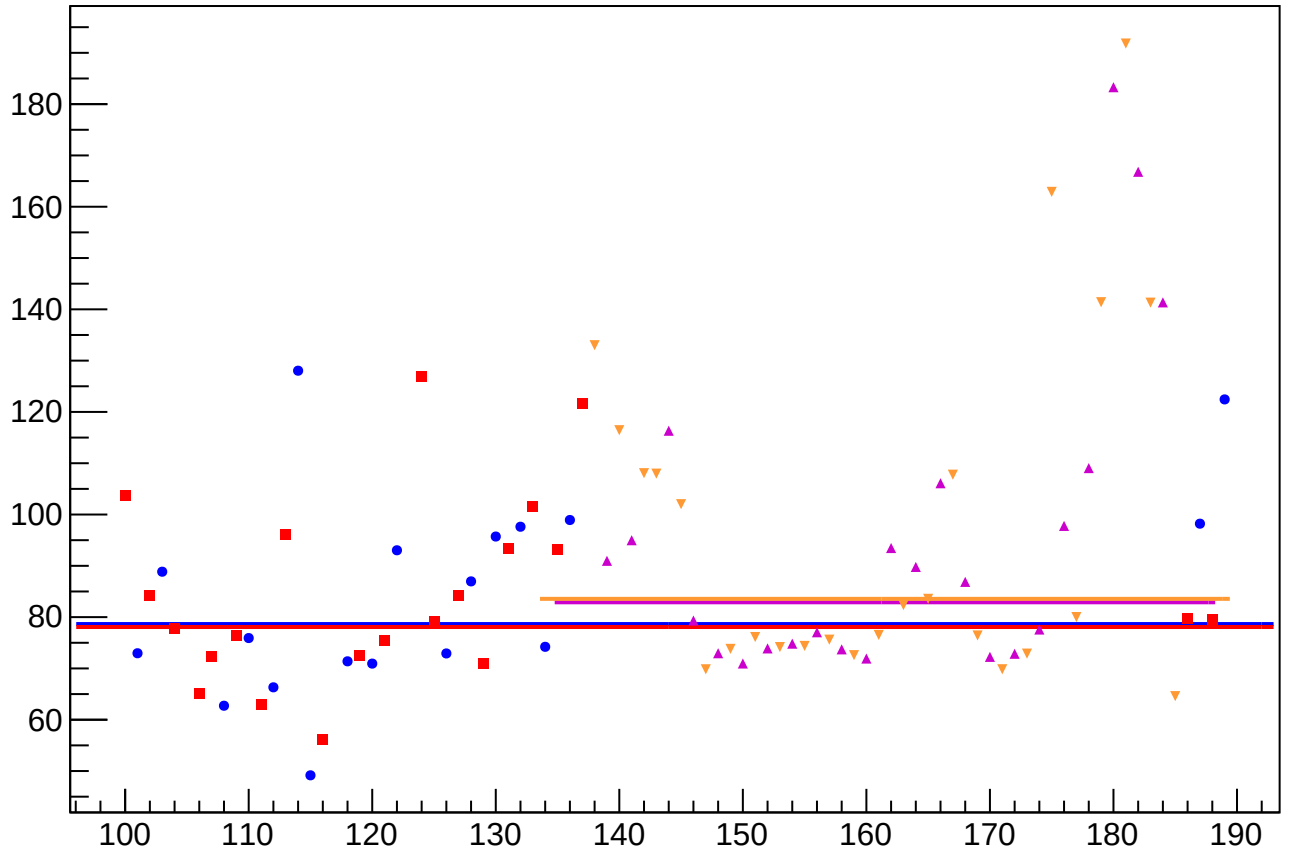
Right Out: 0.000+/-0.027 χ^2/NDF: 30.9/20

Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.000+/-0.017 χ^2/NDF: 45.8/42

All: 0.009+/-0.012 χ^2/NDF: 109.8/86

- sign 0.017+/-0.016 χ^2/NDF: 63.5/43



Right In: 78.651+/-0.021 χ^2/NDF: 541131.7/17

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 78.074+/-0.019 χ^2/NDF: 397631.6/20

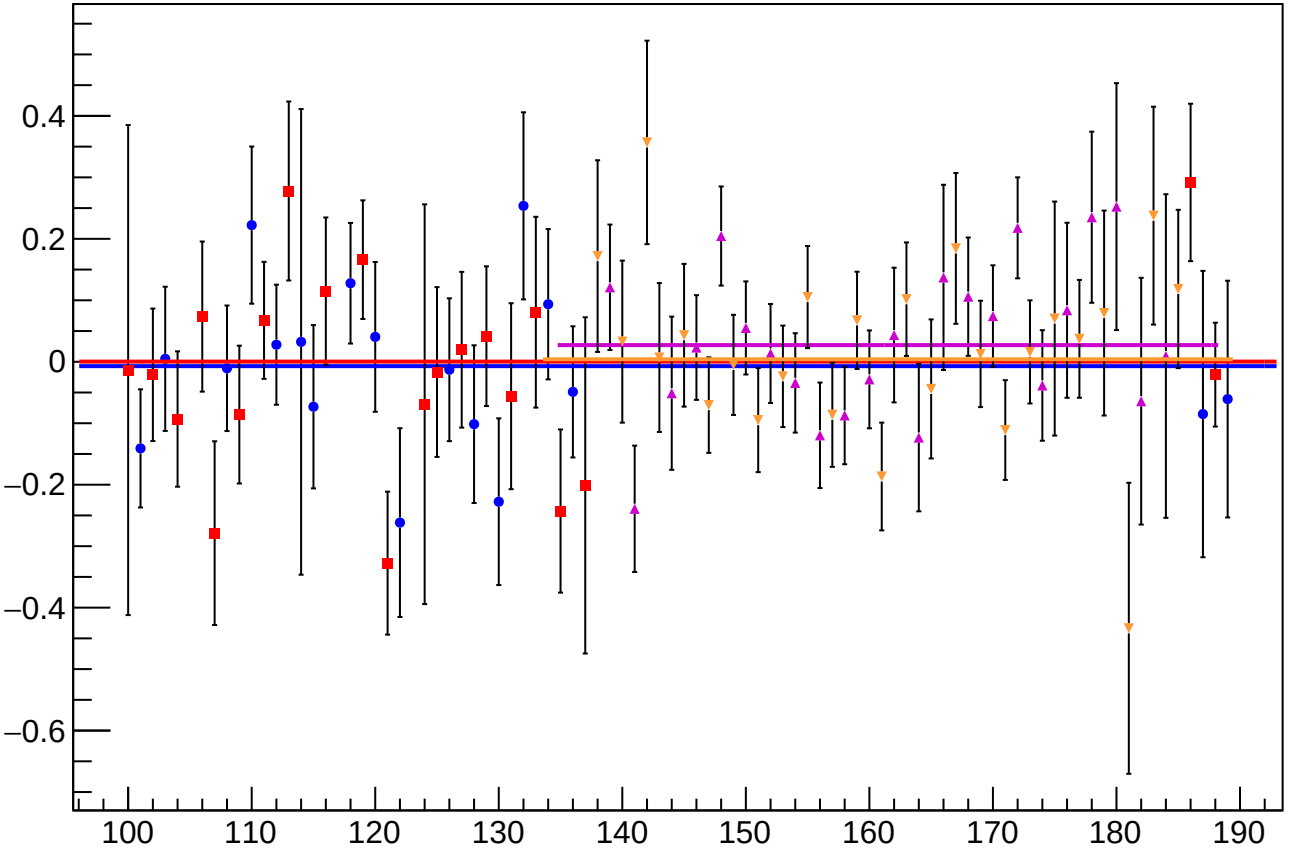
Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

+ sign 81.982+/-0.012 χ^2/NDF: 2751792.7/42

All: 81.562+/-0.008 χ^2/NDF: 4764489.6/86

- sign 81.156+/-0.012 χ^2/NDF: 2010215.1/43

asym_usr_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.007+/-0.029 χ^2/NDF: 17.5/17

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

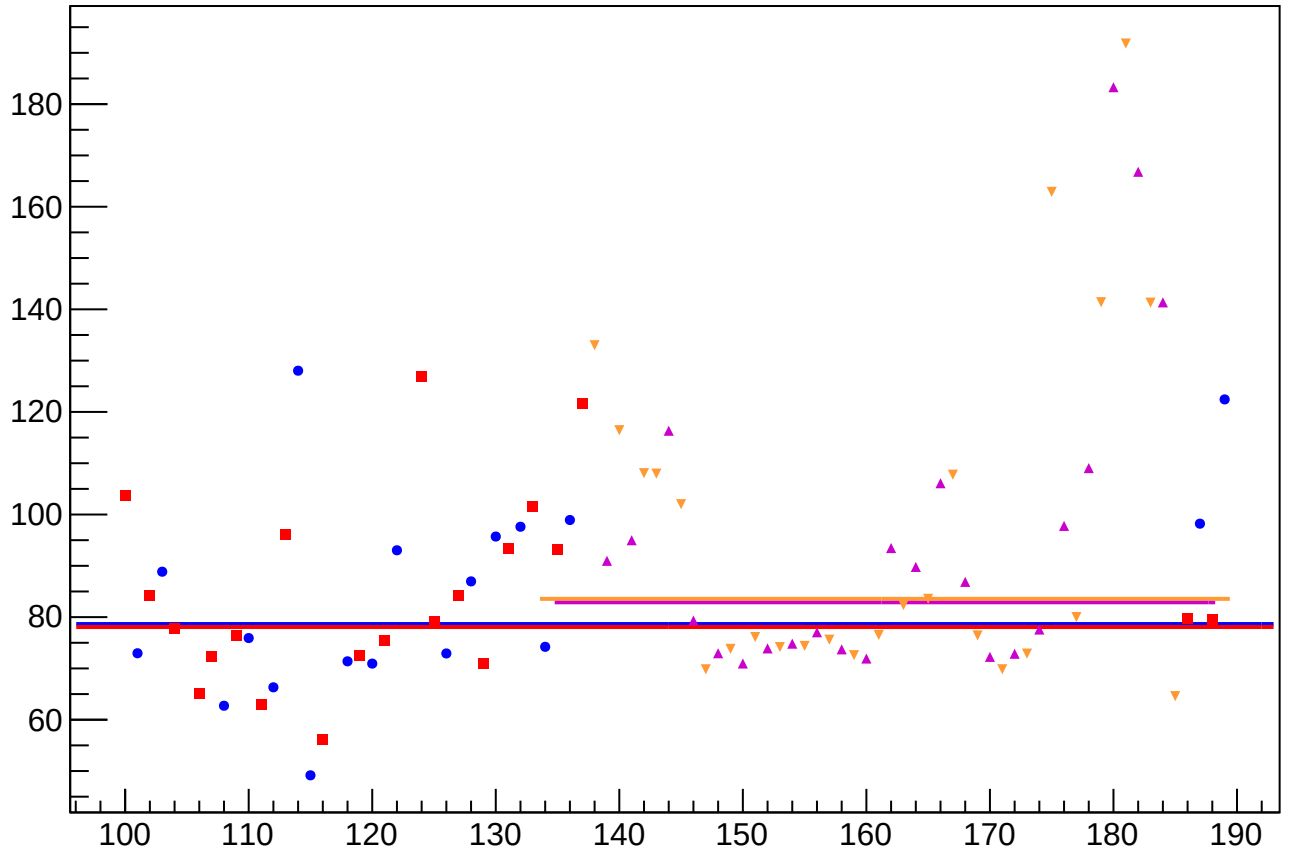
Right Out: 0.000+/-0.027 χ^2/NDF: 30.9/20

Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.000+/-0.017 χ^2/NDF: 45.8/42

All: 0.009+/-0.012 χ^2/NDF: 109.8/86

- sign 0.017+/-0.016 χ^2/NDF: 63.5/43



Right In: 78.651+/-0.021 χ^2/NDF: 541131.7/17

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 78.074+/-0.019 χ^2/NDF: 397631.6/20

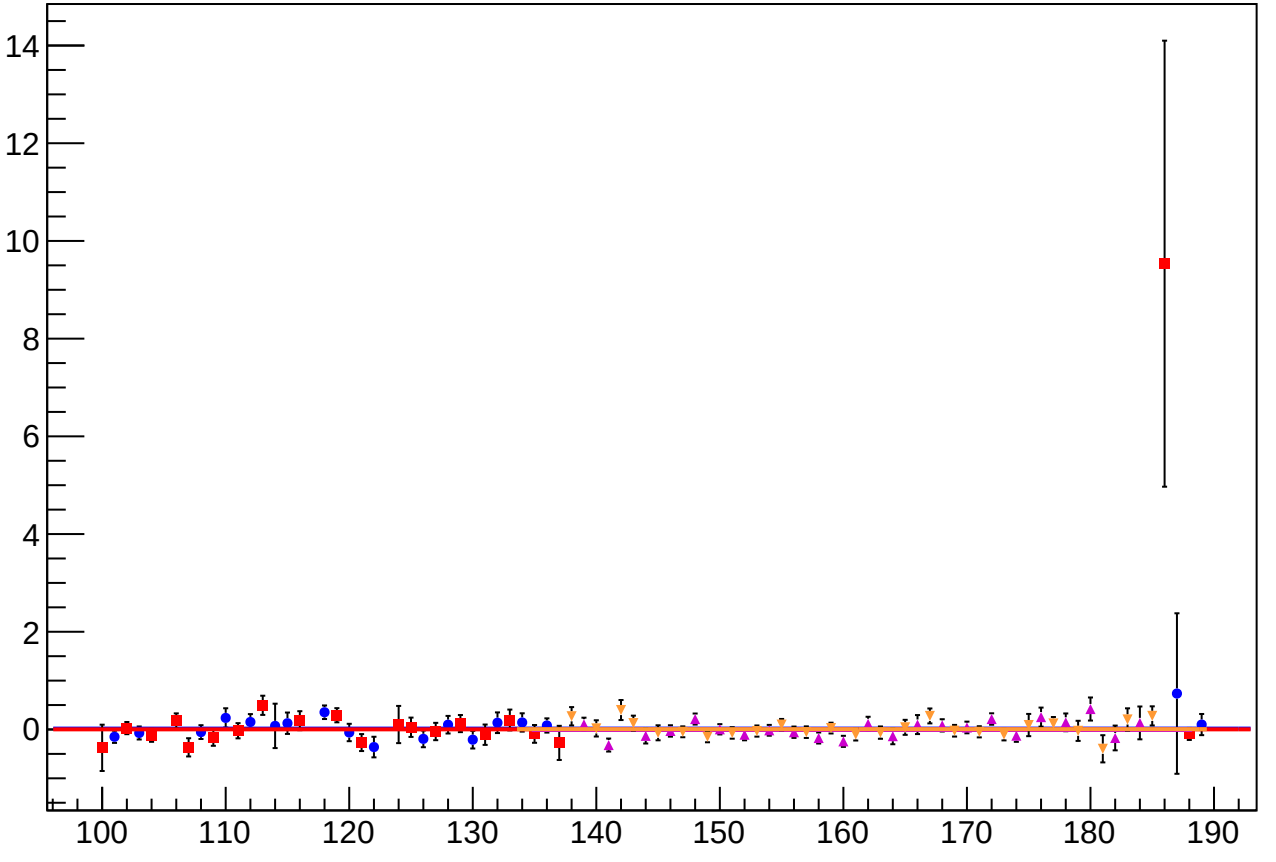
Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

+ sign 81.982+/-0.012 χ^2/NDF: 2751792.7/42

All: 81.562+/-0.008 χ^2/NDF: 4764489.6/86

- sign 81.156+/-0.012 χ^2/NDF: 2010215.1/43

asym_usr_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.018+/-0.041 χ^2/NDF: 18.5/17

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: 0.002+/-0.039 χ^2/NDF: 28.8/20

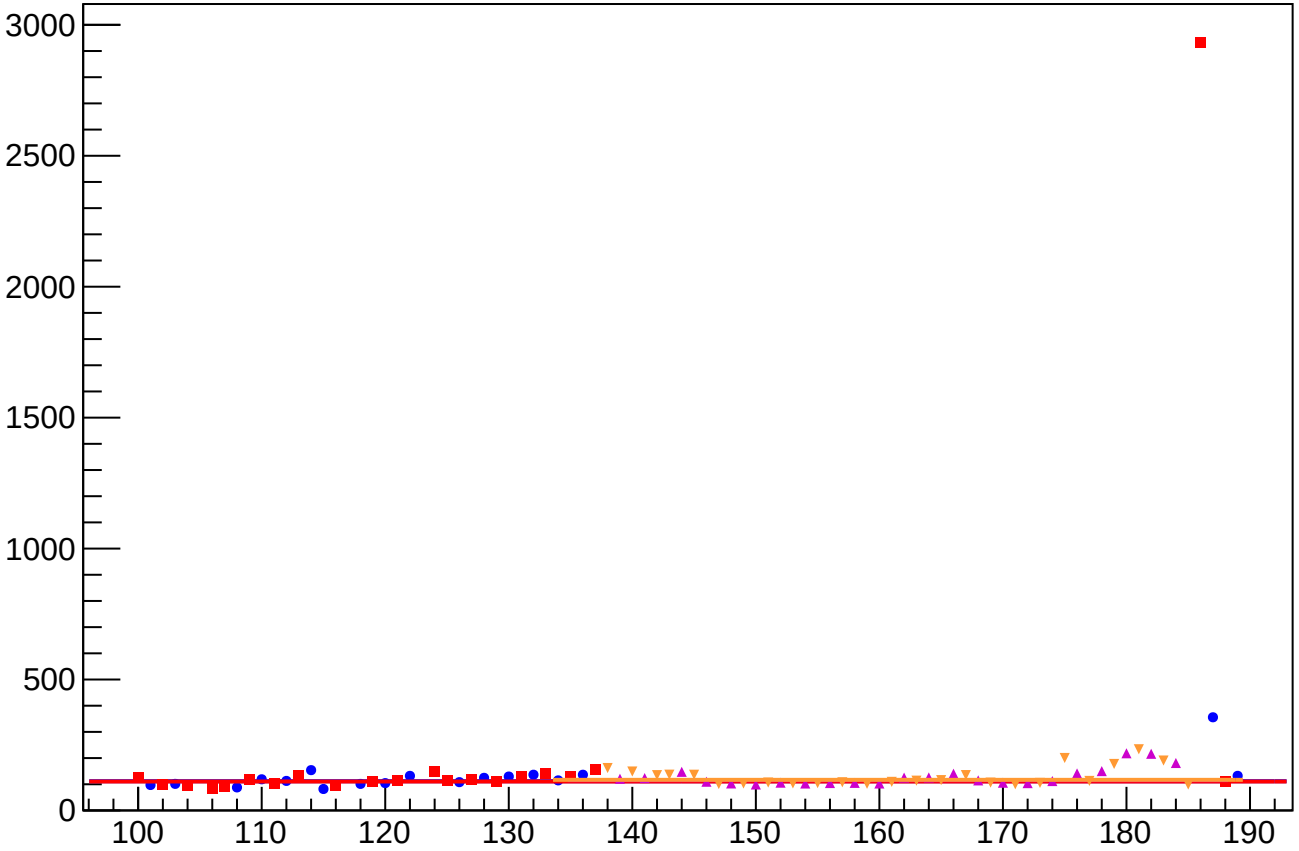
Left In: -0.010+/-0.028 χ^2/NDF:31.3/22

+ sign 0.010+/-0.023 χ^2/NDF: 39.9/42

All: 0.002+/-0.016 χ^2/NDF: 100.3/86

- sign -0.006+/-0.023 χ^2/NDF: 60.1/43

asym_usr_dit_vs_overload_cor_diff_rms vs Slug



Right In: 111.656+/-0.029 χ^2/NDF: 363002.7/17

Left Out: 116.880+/-0.020 χ^2/NDF:1596935.1/24

Right Out: 110.573+/-0.028 χ^2/NDF: 1092133.3/20

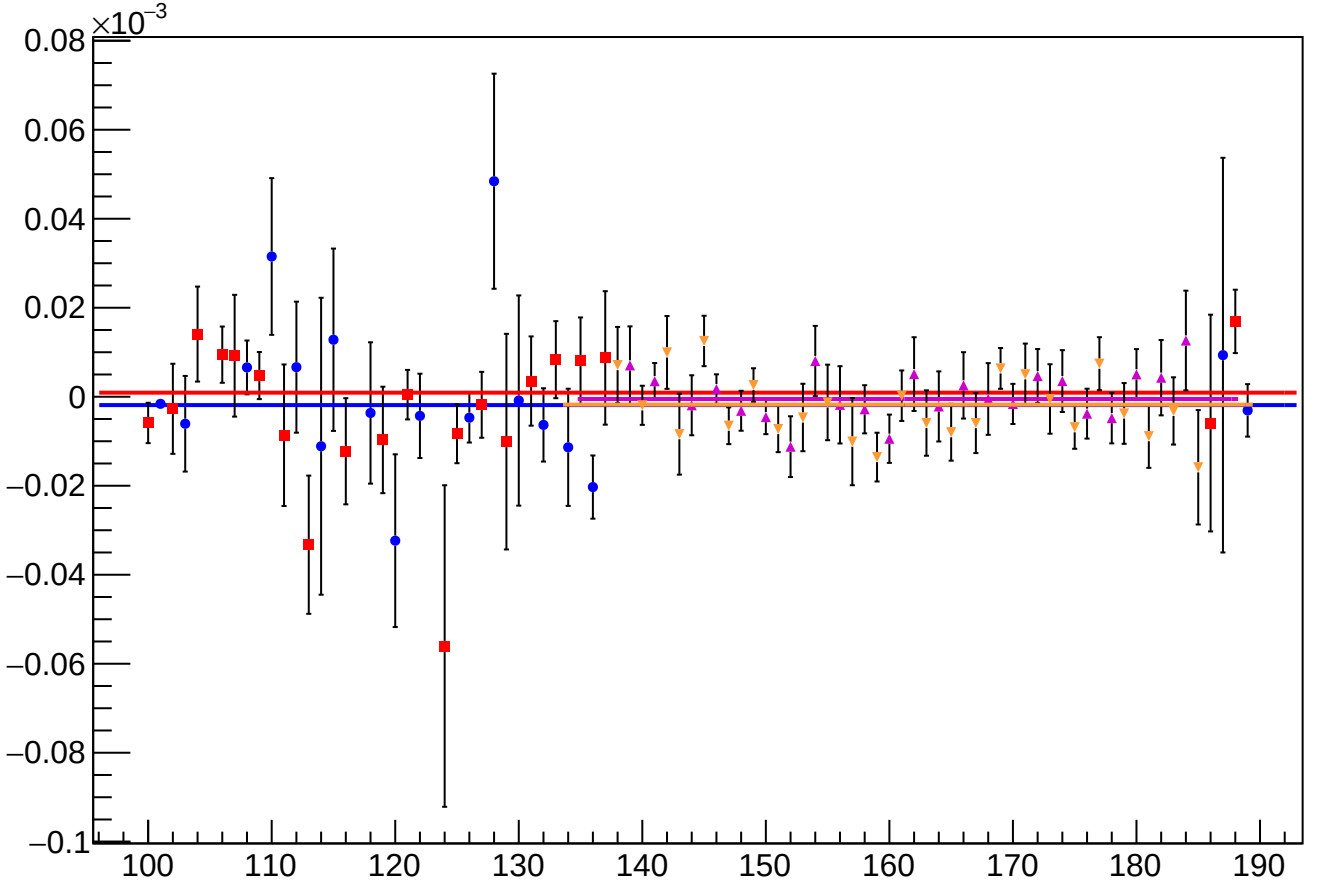
Left In: 115.858+/-0.020 χ^2/NDF:1231382.1/22

+ sign 115.263+/-0.016 χ^2/NDF: 1981851.7/42

All: 114.654+/-0.011 χ^2/NDF: 4332146.5/86

- sign 114.056+/-0.016 χ^2/NDF: 2347530.0/43

asym_usr_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 21.5/17

Left Out: -0.000+/-0.000 χ^2/NDF:31.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/20

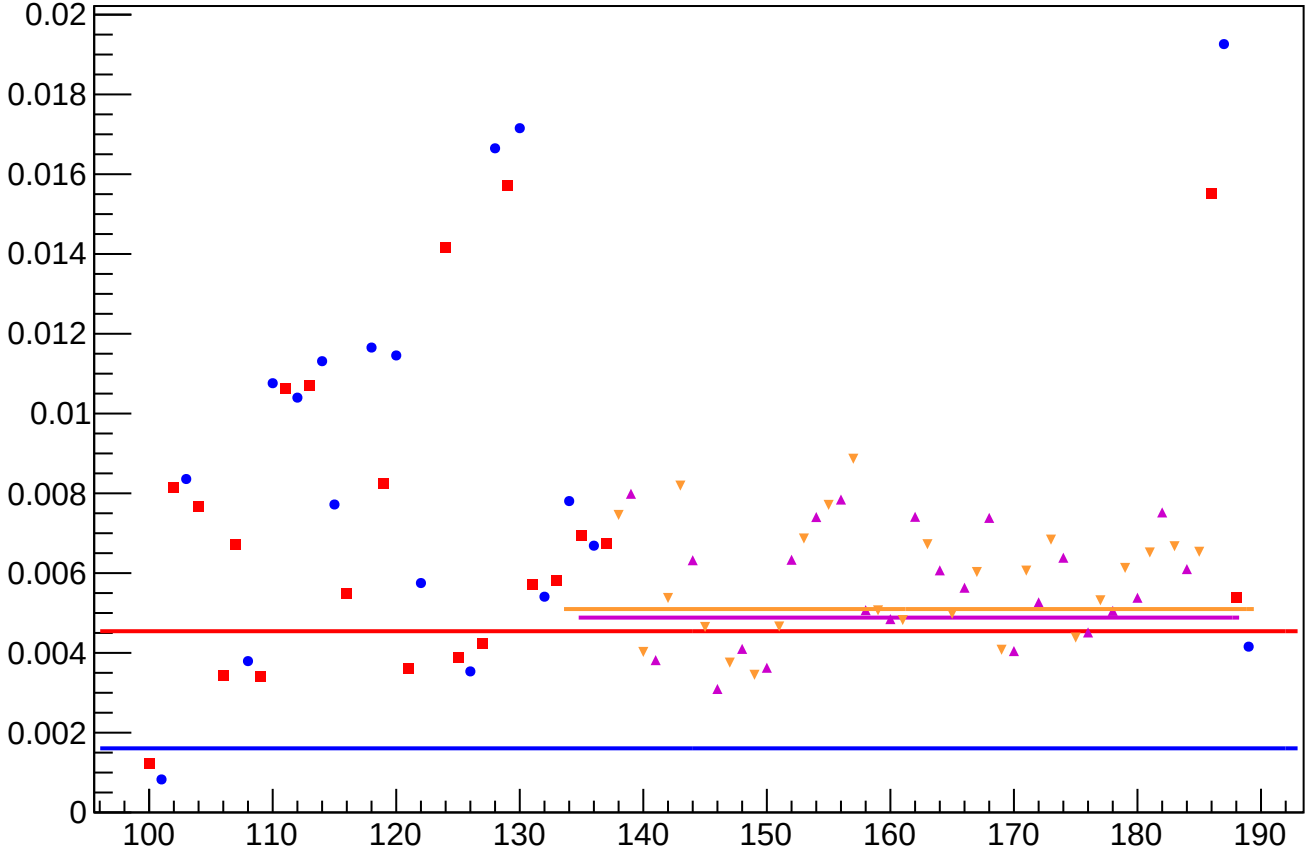
Left In: -0.000+/-0.000 χ^2/NDF:15.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.5/42

All: -0.000+/-0.000 χ^2/NDF: 95.8/86

- sign -0.000+/-0.000 χ^2/NDF: 41.4/43

asym_usr_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 9926675.3/17

Left Out: 0.005+/-0.000 χ^2/NDF:2378649.6/24

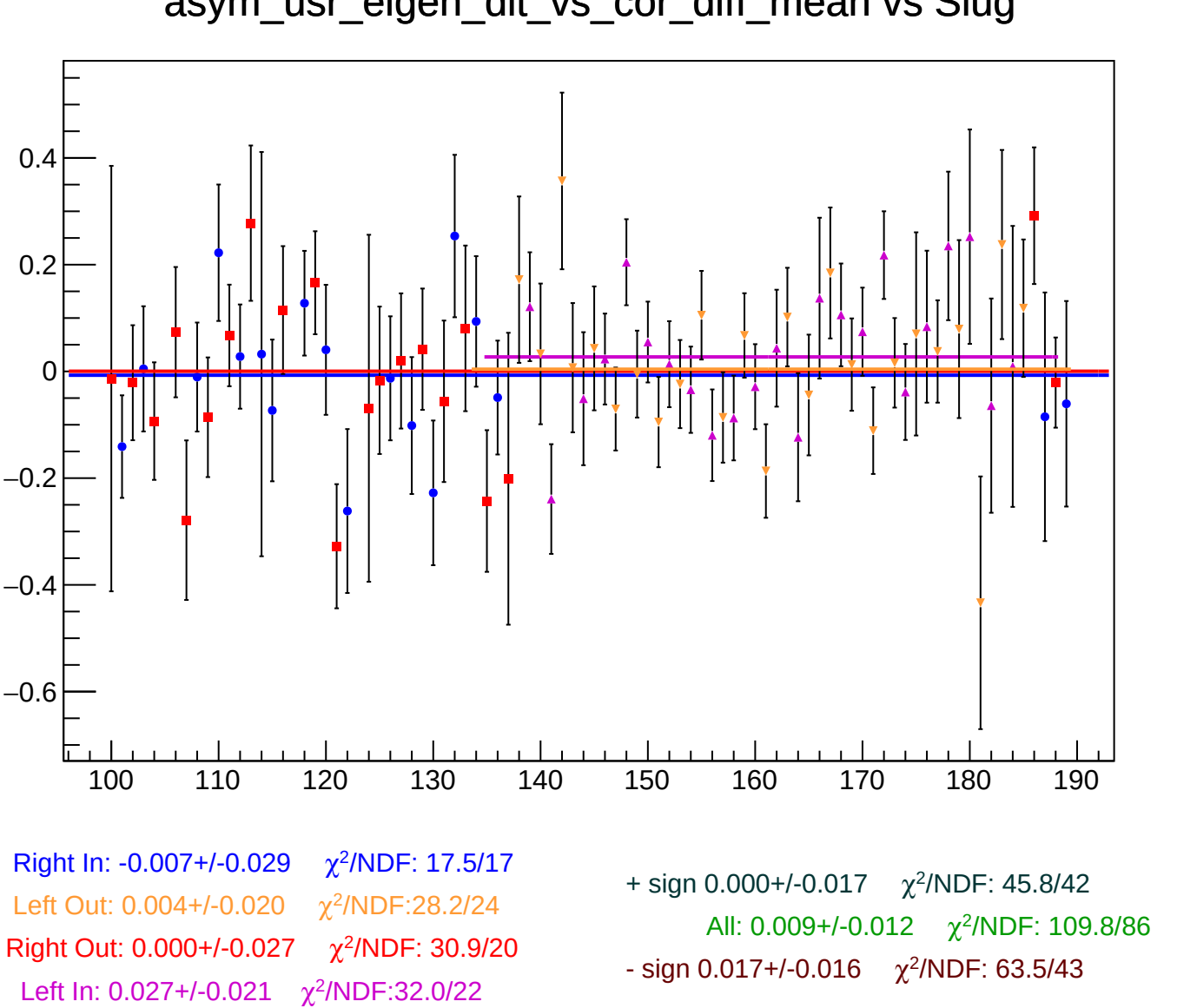
Right Out: 0.005+/-0.000 χ^2/NDF: 3830522.7/20

Left In: 0.005+/-0.000 χ^2/NDF:2725463.9/22

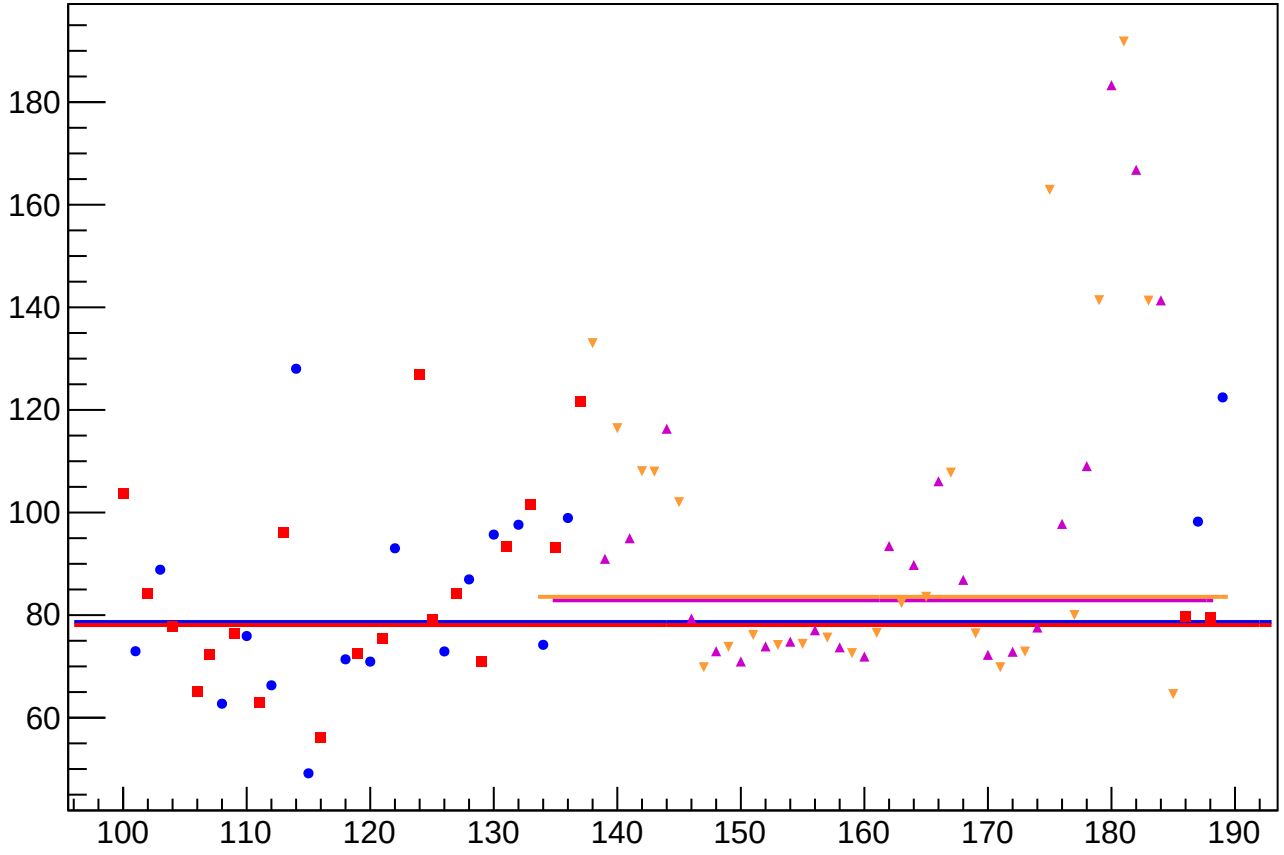
+ sign 0.003+/-0.000 χ^2/NDF: 22509231.0/42

All: 0.004+/-0.000 χ^2/NDF: 33371909.9/86

- sign 0.005+/-0.000 χ^2/NDF: 6603812.0/43


asym_usr_eigen_dit_vs_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
180
190
Right In: -0.007+/-0.029 χ²/NDF: 17.5/17
Left Out: 0.004+/-0.020 χ²/NDF:28.2/24
Right Out: 0.000+/-0.027 χ²/NDF: 30.9/20
Left In: 0.027+/-0.021 χ²/NDF:32.0/22
+ sign 0.000+/-0.017 χ²/NDF: 45.8/42
All: 0.009+/-0.012 χ²/NDF: 109.8/86
- sign 0.017+/-0.016 χ²/NDF: 63.5/43

asym_usr_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 78.649+/-0.021 χ^2/NDF: 541145.1/17

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

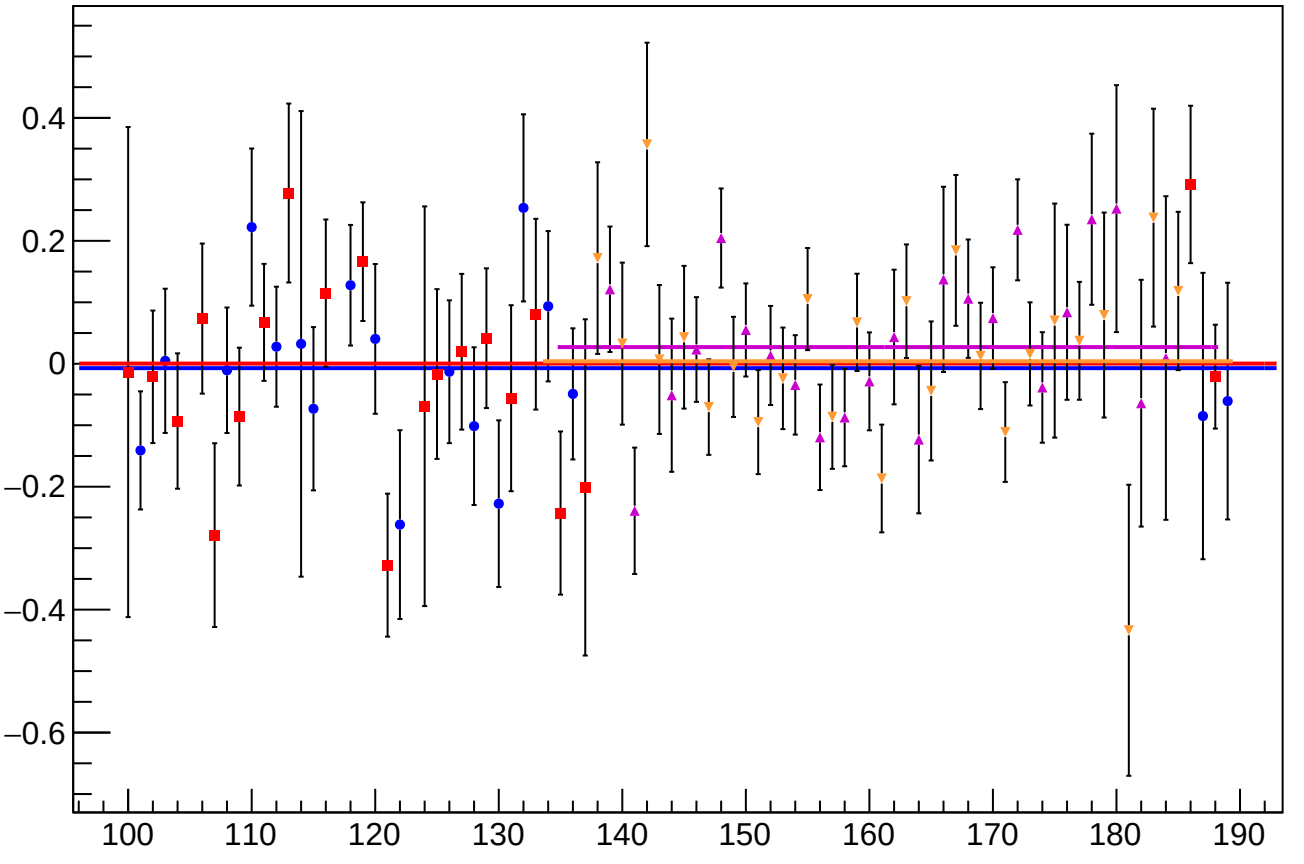
Right Out: 78.072+/-0.019 χ^2/NDF: 397630.2/20

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

+ sign 81.982+/-0.012 χ^2/NDF: 2751829.0/42

All: 81.562+/-0.008 χ^2/NDF: 4764535.0/86

- sign 81.156+/-0.012 χ^2/NDF: 2010223.1/43



Right In: -0.007+/-0.029 χ^2/NDF: 17.5/17

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

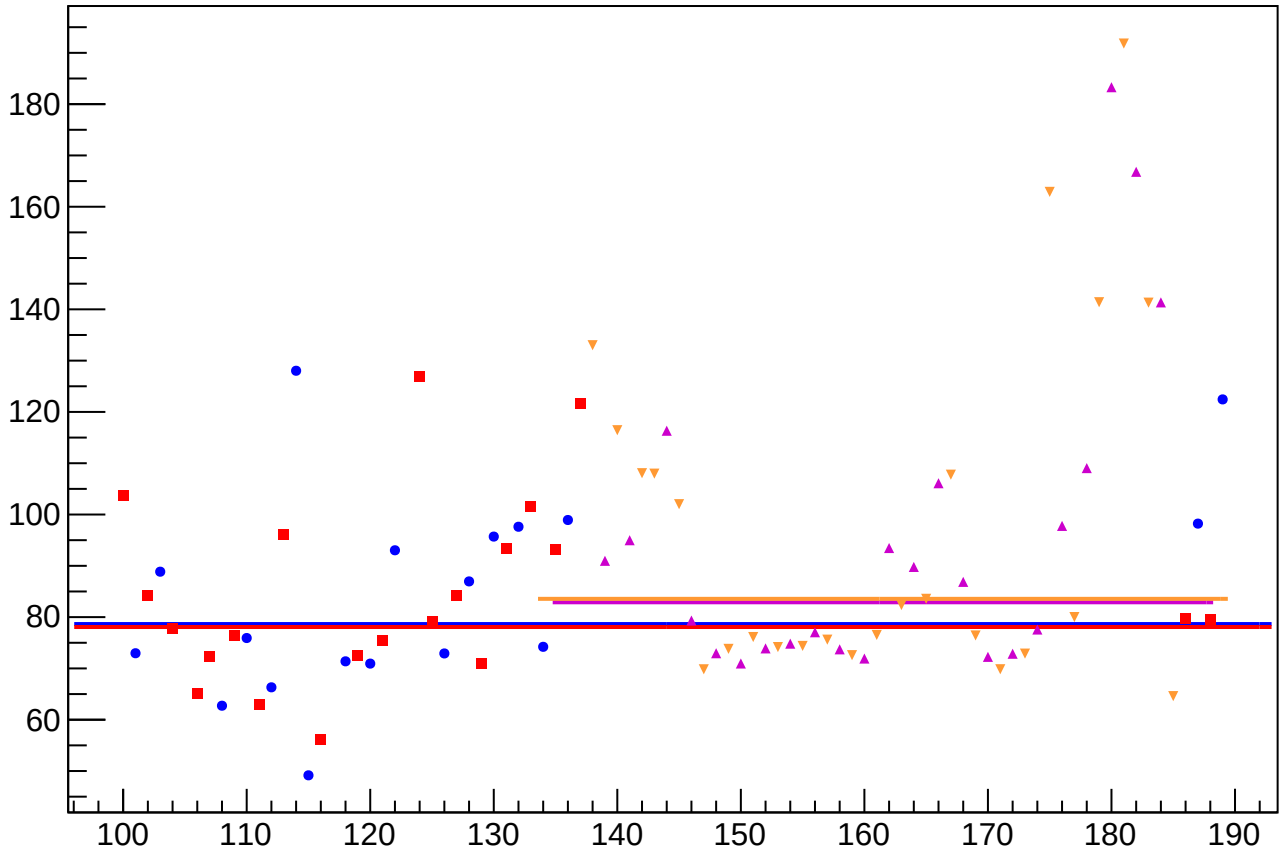
Right Out: 0.000+/-0.027 χ^2/NDF: 30.9/20

Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.000+/-0.017 χ^2/NDF: 45.8/42

All: 0.009+/-0.012 χ^2/NDF: 109.8/86

- sign 0.017+/-0.016 χ^2/NDF: 63.5/43



Right In: 78.649+/-0.021 χ^2/NDF: 541145.1/17

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

Right Out: 78.072+/-0.019 χ^2/NDF: 397630.2/20

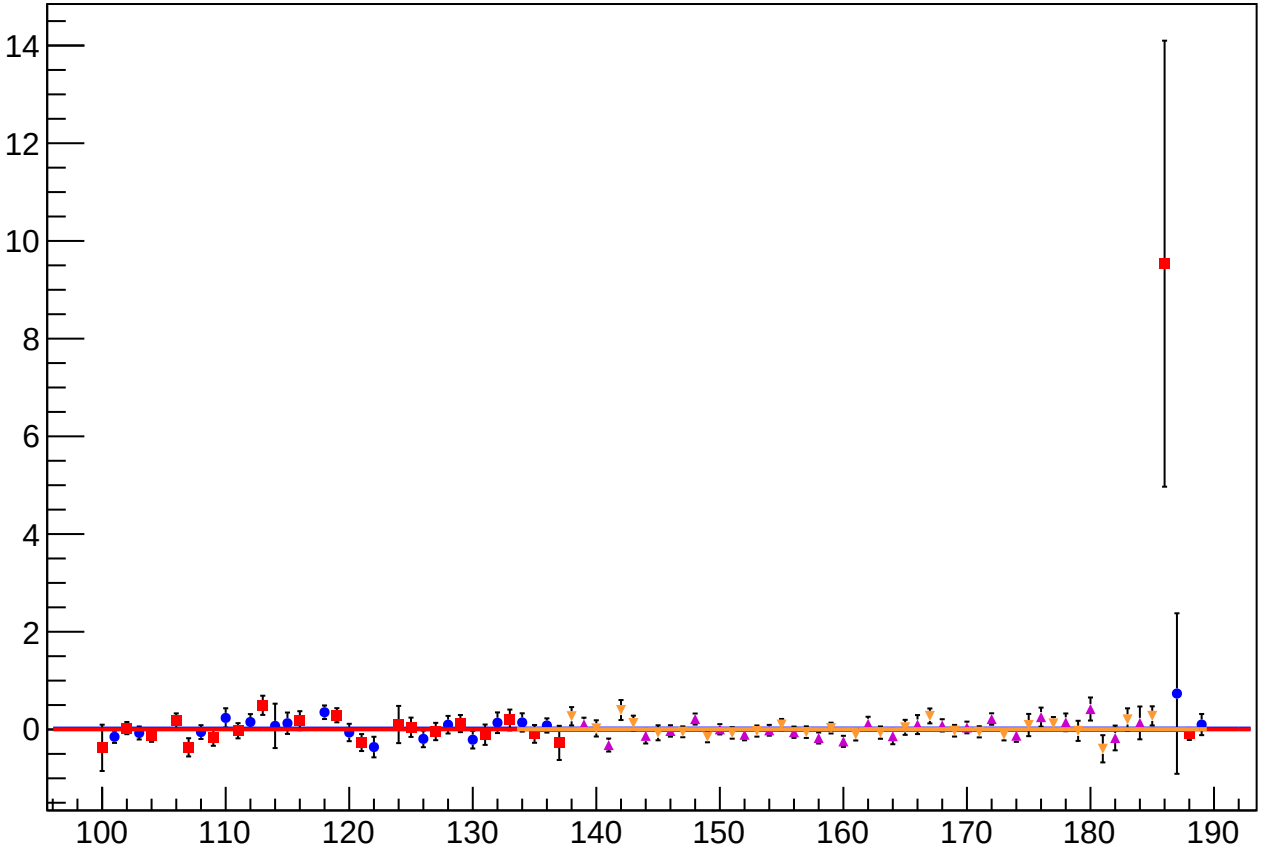
Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

+ sign 81.982+/-0.012 χ^2/NDF: 2751829.0/42

All: 81.562+/-0.008 χ^2/NDF: 4764535.0/86

- sign 81.156+/-0.012 χ^2/NDF: 2010223.1/43

asym_usr_eigen_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.018+/-0.041 χ^2/NDF: 18.5/17

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

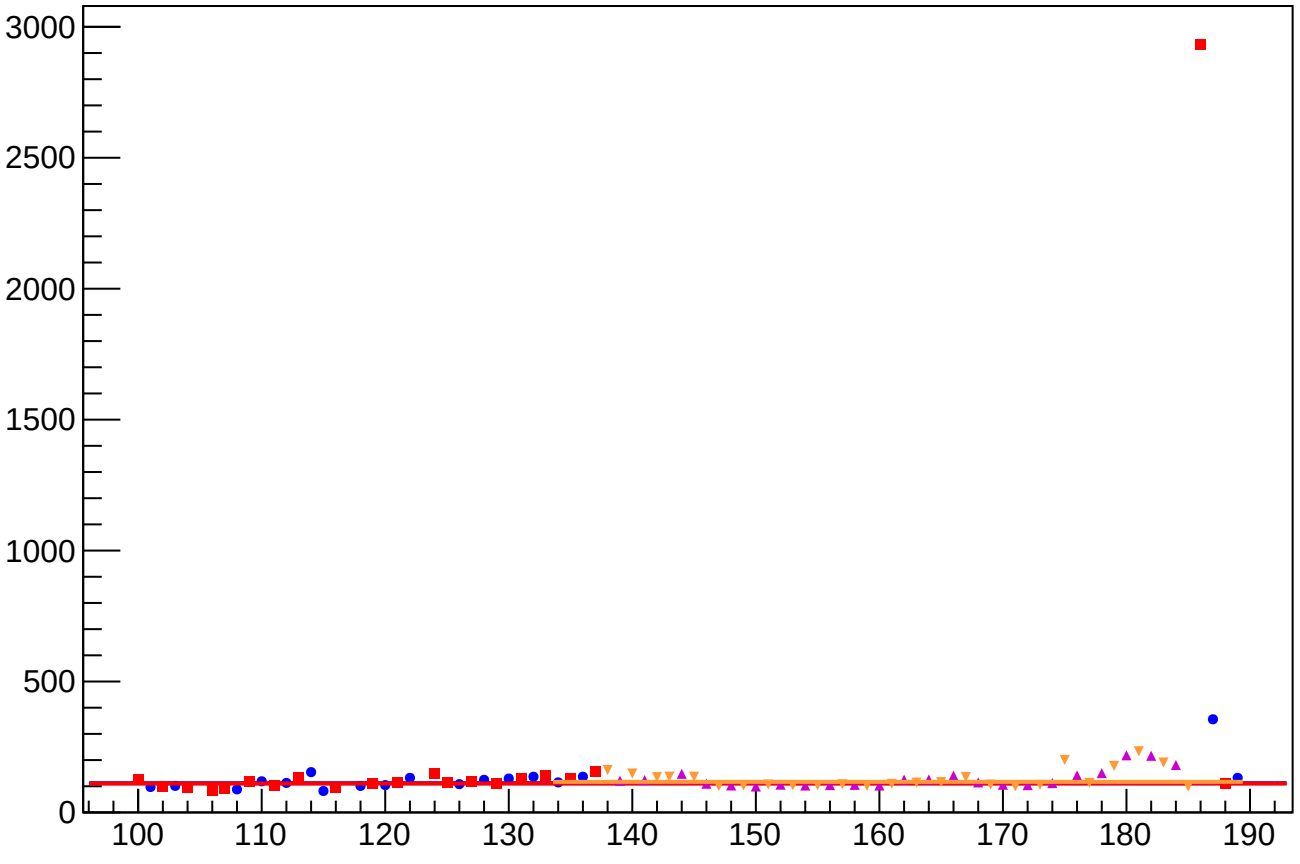
Right Out: 0.002+/-0.039 χ^2/NDF: 28.8/20

Left In: -0.010+/-0.028 χ^2/NDF:31.3/22

+ sign 0.010+/-0.023 χ^2/NDF: 39.9/42

All: 0.002+/-0.016 χ^2/NDF: 100.3/86

- sign -0.006+/-0.023 χ^2/NDF: 60.1/43



Right In: 111.655+/-0.029 χ^2/NDF: 362980.8/17

Left Out: 116.880+/-0.020 χ^2/NDF:1596928.7/24

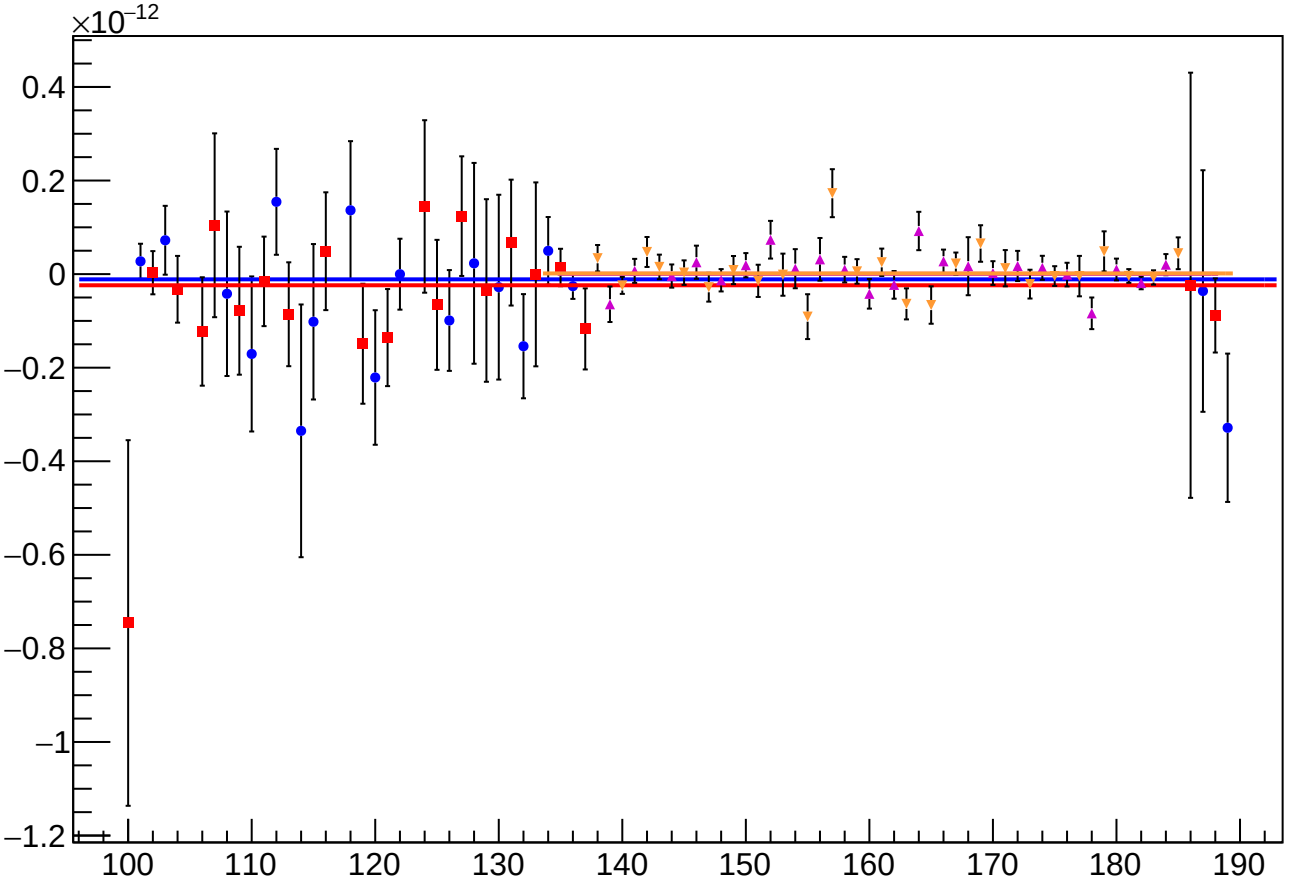
Right Out: 110.572+/-0.028 χ^2/NDF: 1092104.6/20

Left In: 115.858+/-0.020 χ^2/NDF:1231371.8/22

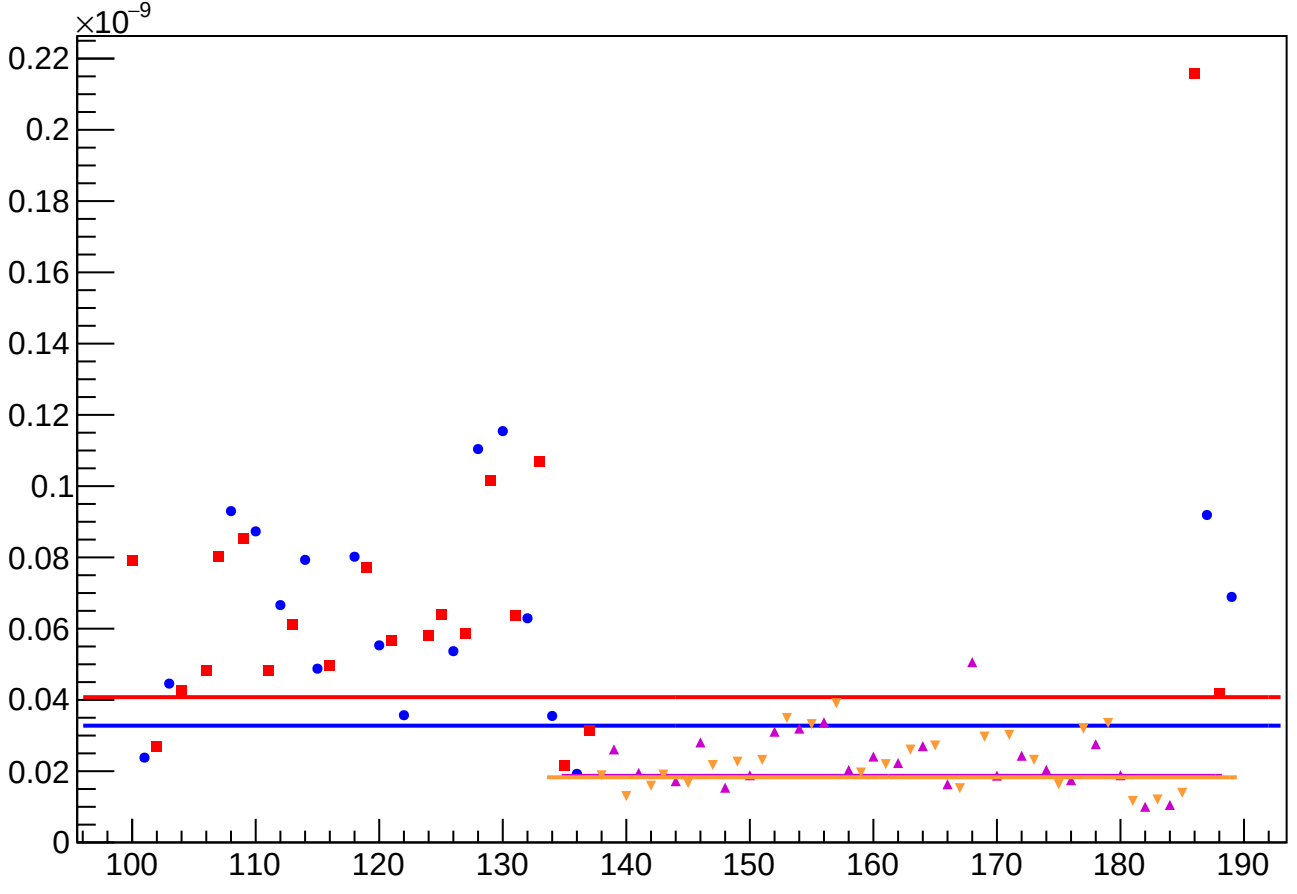
+ sign 115.263+/-0.016 χ^2/NDF: 1981834.9/42

All: 114.654+/-0.011 χ^2/NDF: 4332100.1/86

- sign 114.056+/-0.016 χ^2/NDF: 2347500.2/43


asym_usr_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 17.7/17
Left Out: 0.000+/-0.000 χ²/NDF:36.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 13.3/20
Left In: 0.000+/-0.000 χ²/NDF:26.7/22
+ sign 0.000+/-0.000 χ²/NDF: 54.8/42
All: -0.000+/-0.000 χ²/NDF: 96.2/86
- sign -0.000+/-0.000 χ²/NDF: 41.4/43

asym_usr_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2671617.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:3029080.3/24

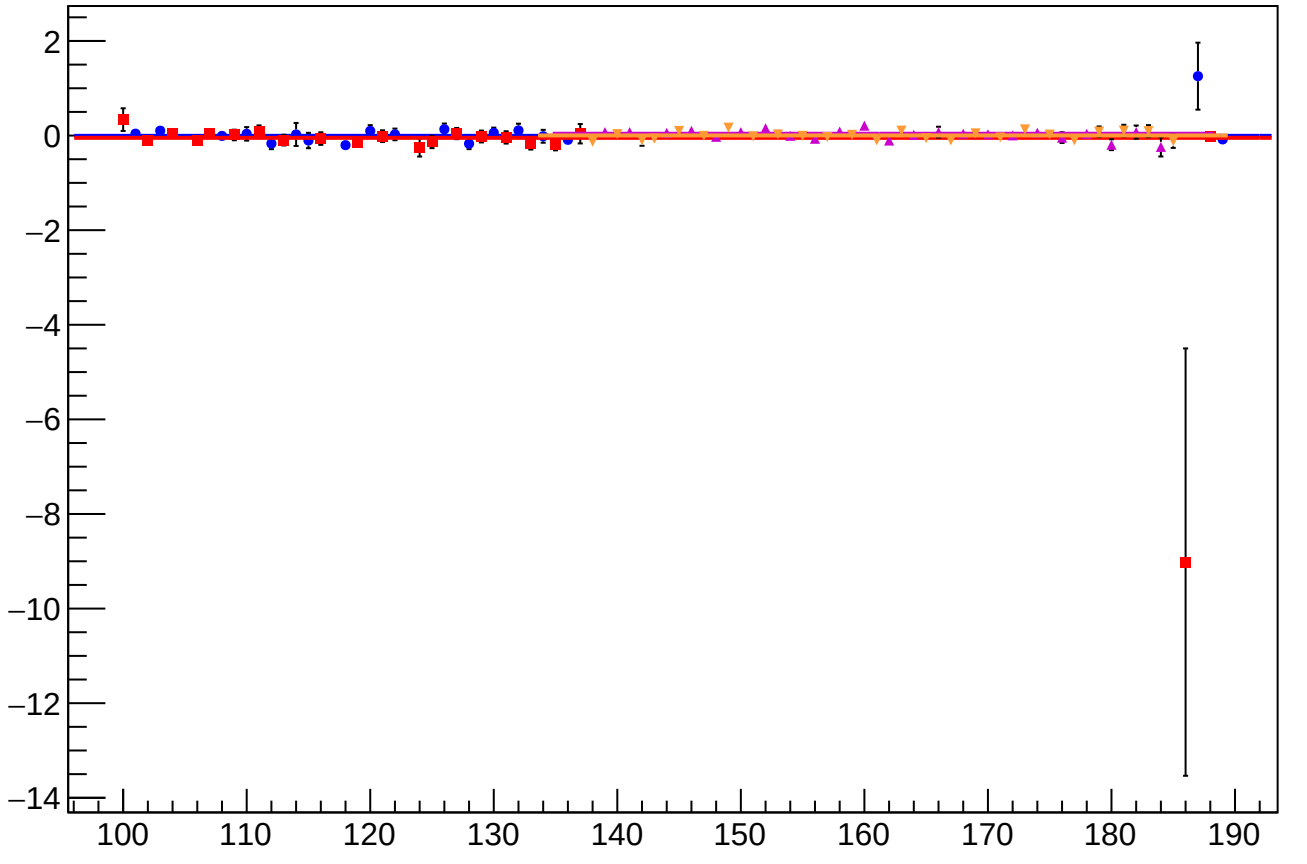
Right Out: 0.000+/-0.000 χ^2/NDF: 2164061.8/20

Left In: 0.000+/-0.000 χ^2/NDF:2908977.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 6917657.7/42

All: 0.000+/-0.000 χ^2/NDF: 14191020.3/86

- sign 0.000+/-0.000 χ^2/NDF: 7254238.2/43



Right In: -0.006+/-0.024 χ^2/NDF: 21.3/17

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: -0.048+/-0.023 χ^2/NDF: 19.1/20

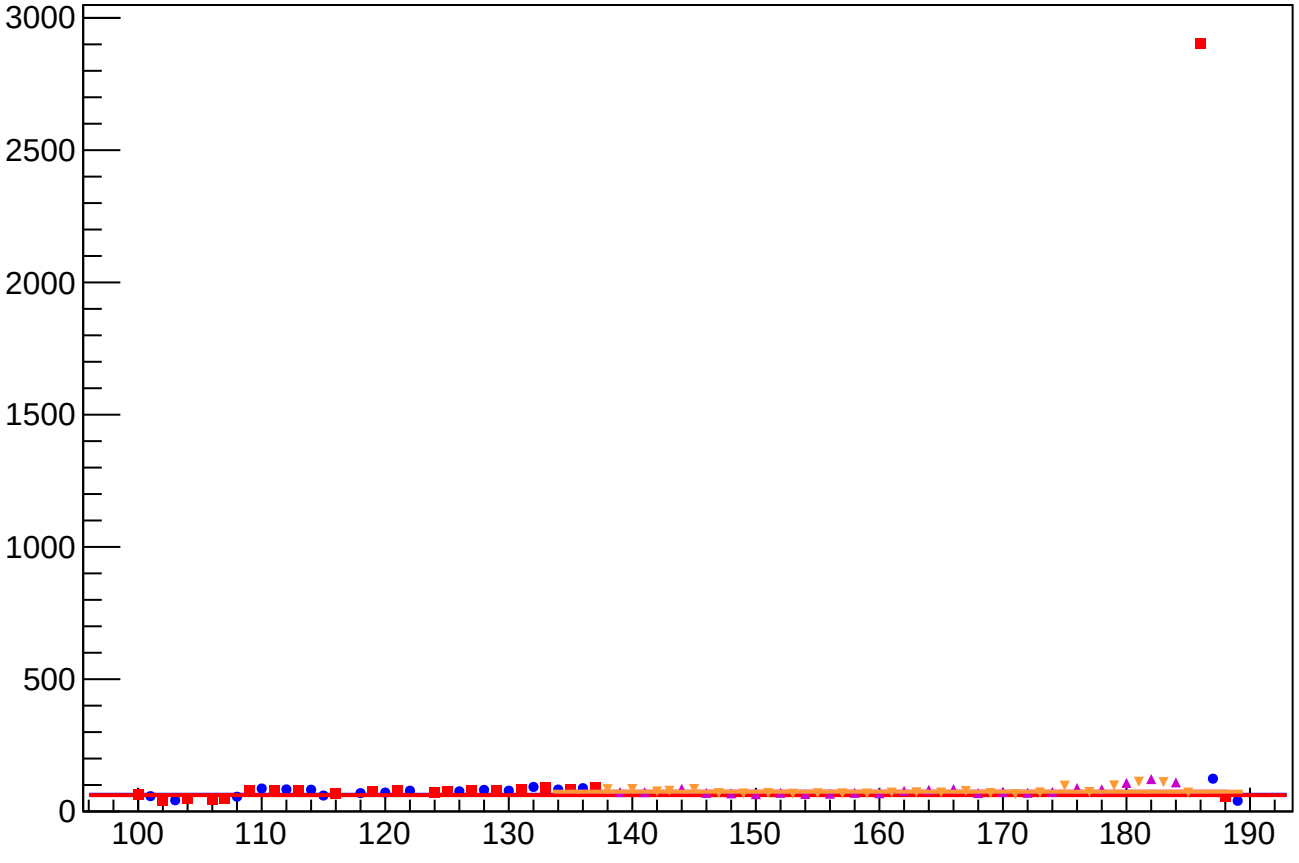
Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

+ sign -0.000+/-0.014 χ^2/NDF: 42.9/42

All: 0.003+/-0.010 χ^2/NDF: 92.7/86

- sign 0.005+/-0.014 χ^2/NDF: 49.6/43

asym_usr_overload_cor_vs_cor_diff_rms vs Slug



Right In: 63.080+/-0.017 χ^2/NDF: 1125622.4/17

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

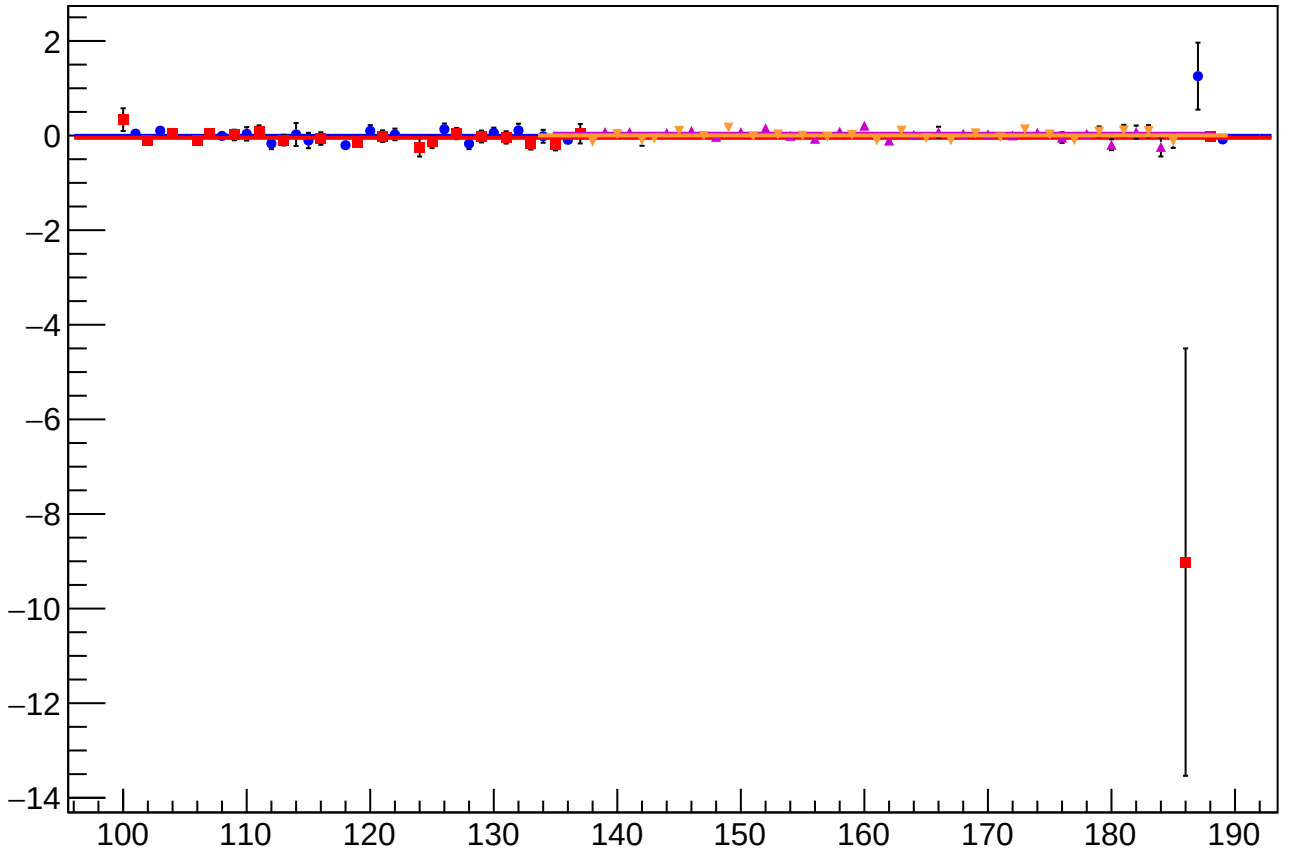
Right Out: 61.690+/-0.016 χ^2/NDF: 1923924.8/20

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 70.720+/-0.010 χ^2/NDF: 2179653.3/42

All: 70.175+/-0.007 χ^2/NDF: 5224496.7/86

- sign 69.636+/-0.010 χ^2/NDF: 3038899.6/43



Right In: -0.006+/-0.024 χ^2/NDF: 21.3/17

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

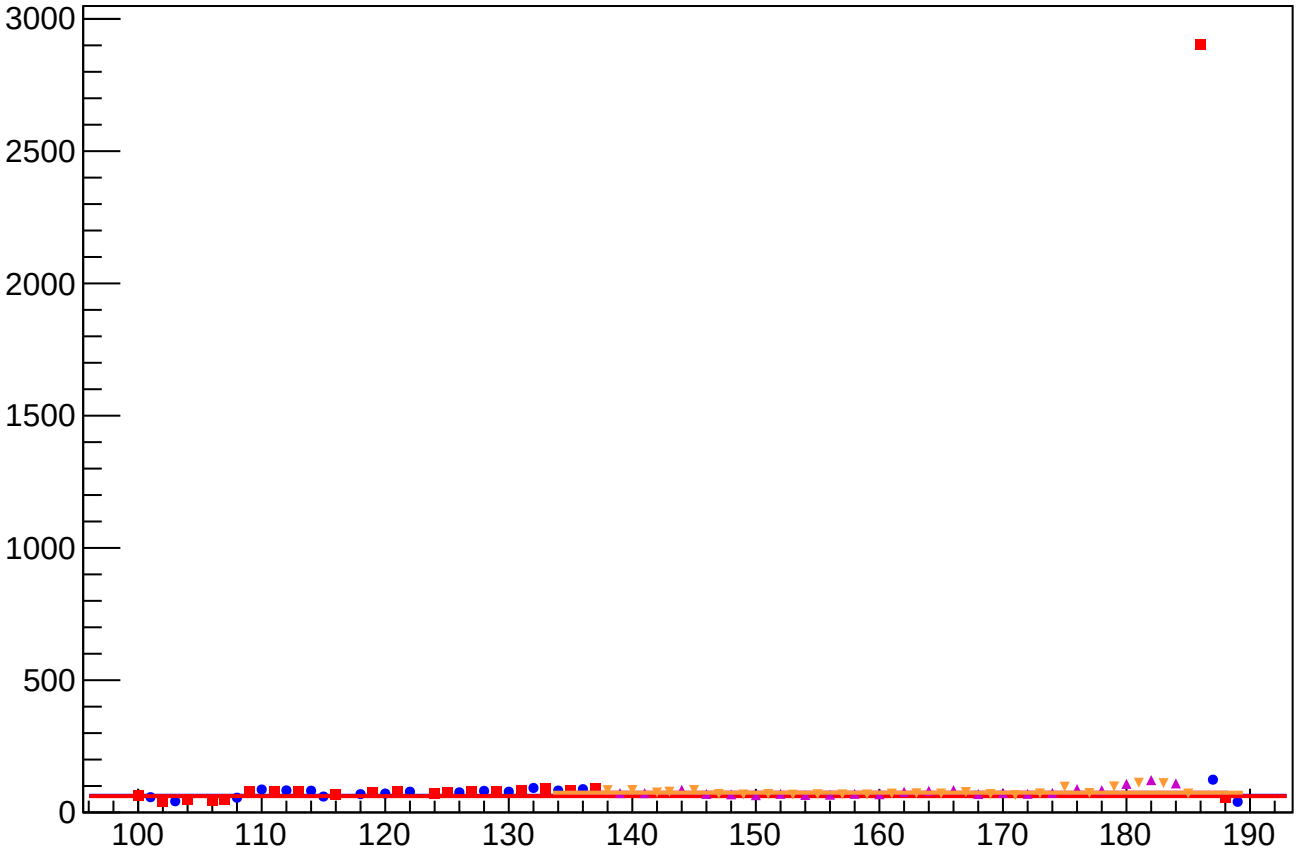
Right Out: -0.048+/-0.023 χ^2/NDF: 19.1/20

Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

+ sign -0.000+/-0.014 χ^2/NDF: 42.9/42

All: 0.003+/-0.010 χ^2/NDF: 92.7/86

- sign 0.005+/-0.014 χ^2/NDF: 49.6/43



Right In: 63.080+/-0.017 χ^2/NDF: 1125622.4/17

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 61.690+/-0.016 χ^2/NDF: 1923924.8/20

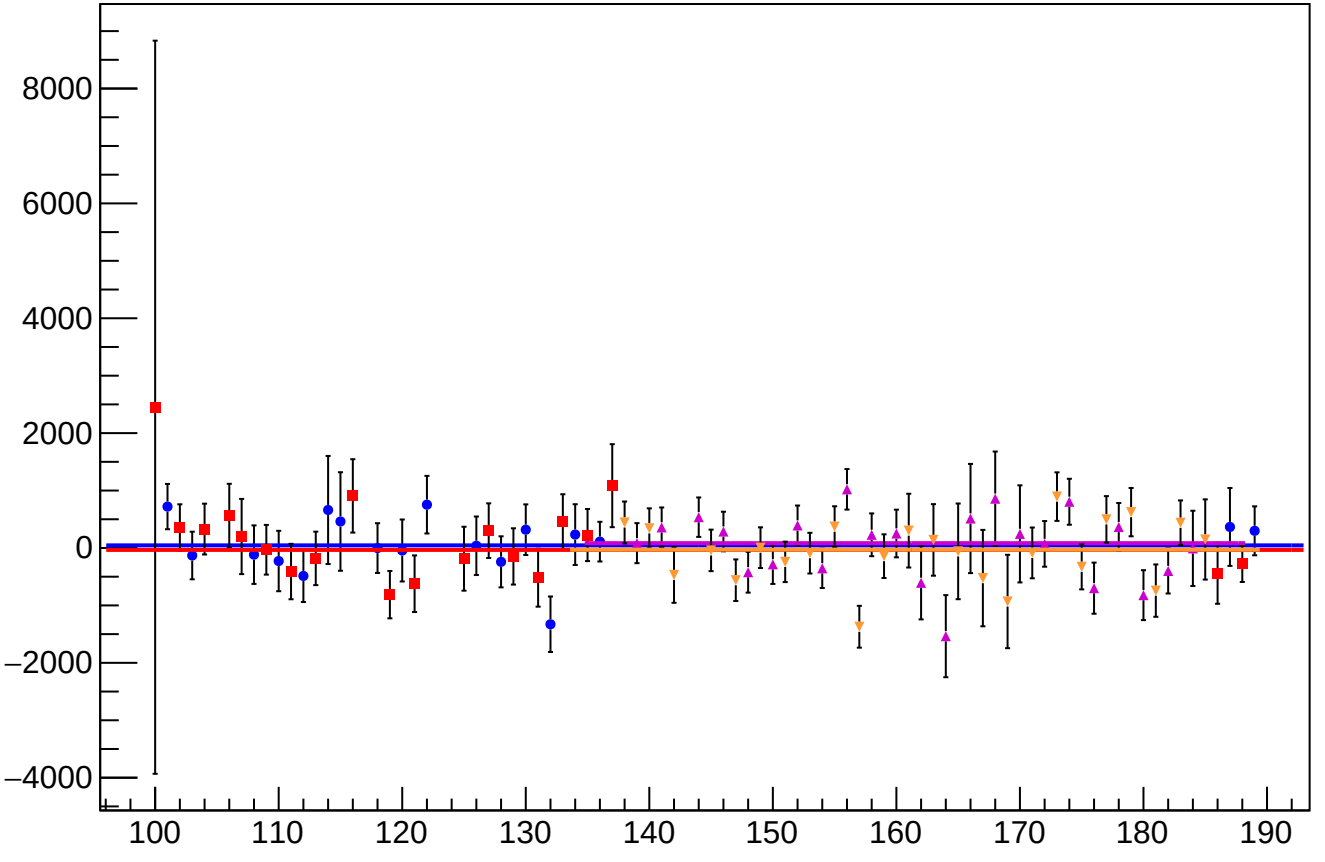
Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 70.720+/-0.010 χ^2/NDF: 2179653.3/42

All: 70.175+/-0.007 χ^2/NDF: 5224496.7/86

- sign 69.636+/-0.010 χ^2/NDF: 3038899.6/43

asym_dsl_mean vs Slug



Right In: 45.385+/-113.378 χ^2/NDF: 17.2/17

Left Out: -29.346+/-86.530 χ^2/NDF:36.6/23

Right Out: -33.818+/-109.039 χ^2/NDF: 17.4/19

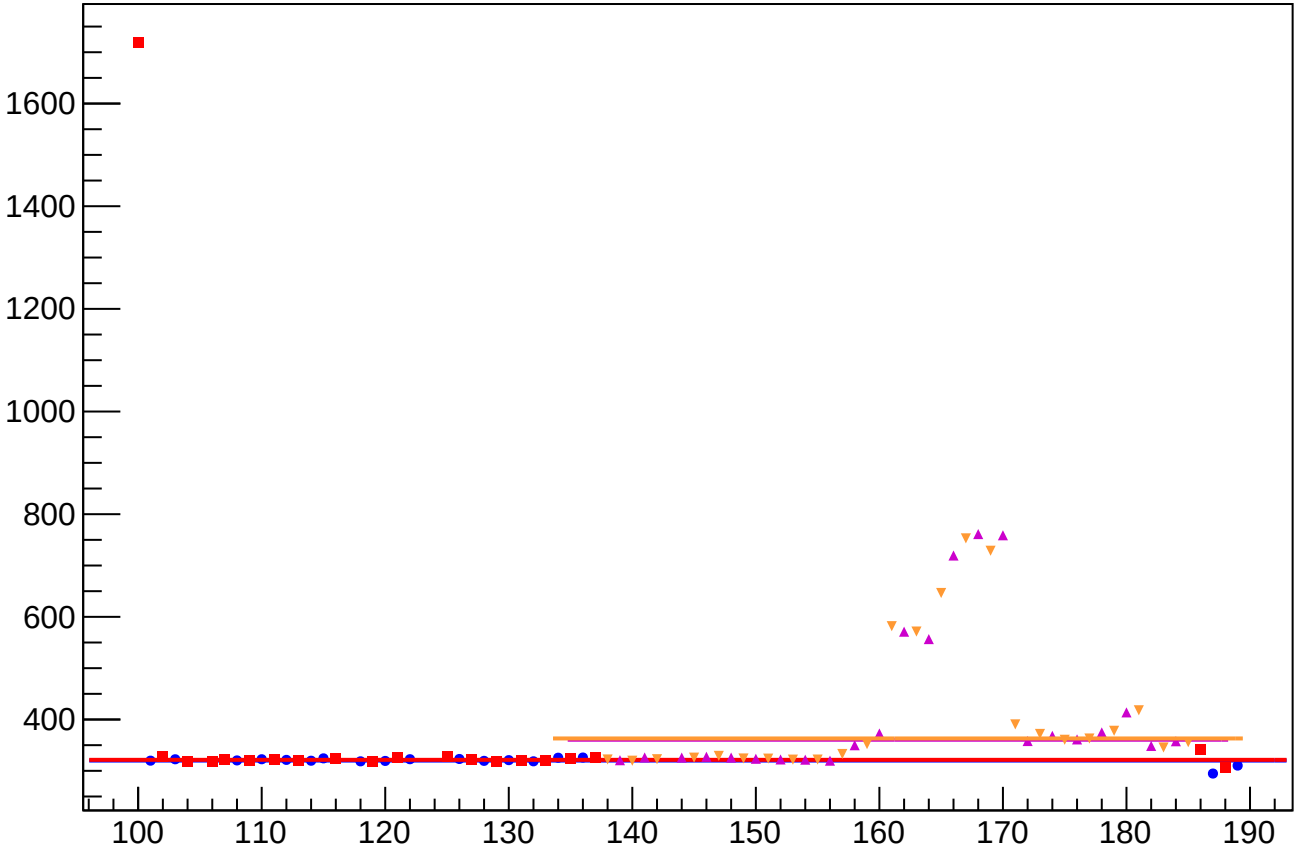
Left In: 83.719+/-86.476 χ^2/NDF:35.8/22

\+ sign -1.840+/-68.786 χ^2/NDF: 54.0/41

All: 18.552+/-48.270 χ^2/NDF: 108.1/84

\- sign 38.337+/-67.755 χ^2/NDF: 53.9/42

asym_dsl_rms vs Slug



Right In: 320.046+/-0.080 χ^2/NDF: 5018.7/17

Left Out: 363.079+/-0.061 χ^2/NDF:1795570.0/23

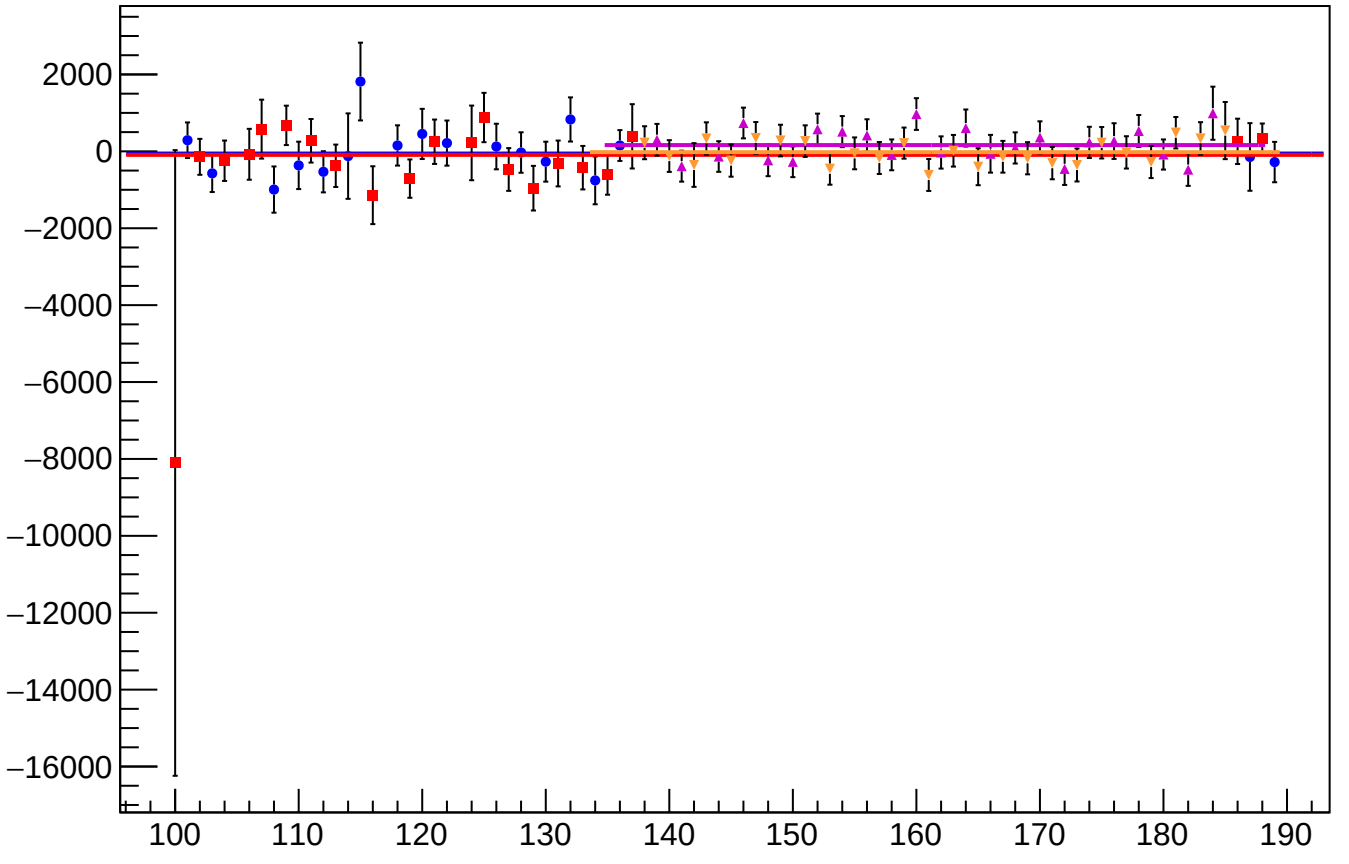
Right Out: 321.414+/-0.077 χ^2/NDF: 104151.8/19

Left In: 360.585+/-0.061 χ^2/NDF:1817691.0/22

+ sign 347.240+/-0.049 χ^2/NDF: 1982659.3/41

All: 346.337+/-0.034 χ^2/NDF: 4063629.6/84

- sign 345.461+/-0.048 χ^2/NDF: 2080291.4/42



Right In: -57.109+/-134.327 χ^2/NDF: 13.9/17

Left Out: -21.061+/-85.620 χ^2/NDF:12.6/24

Right Out: -91.293+/-127.801 χ^2/NDF: 16.9/20

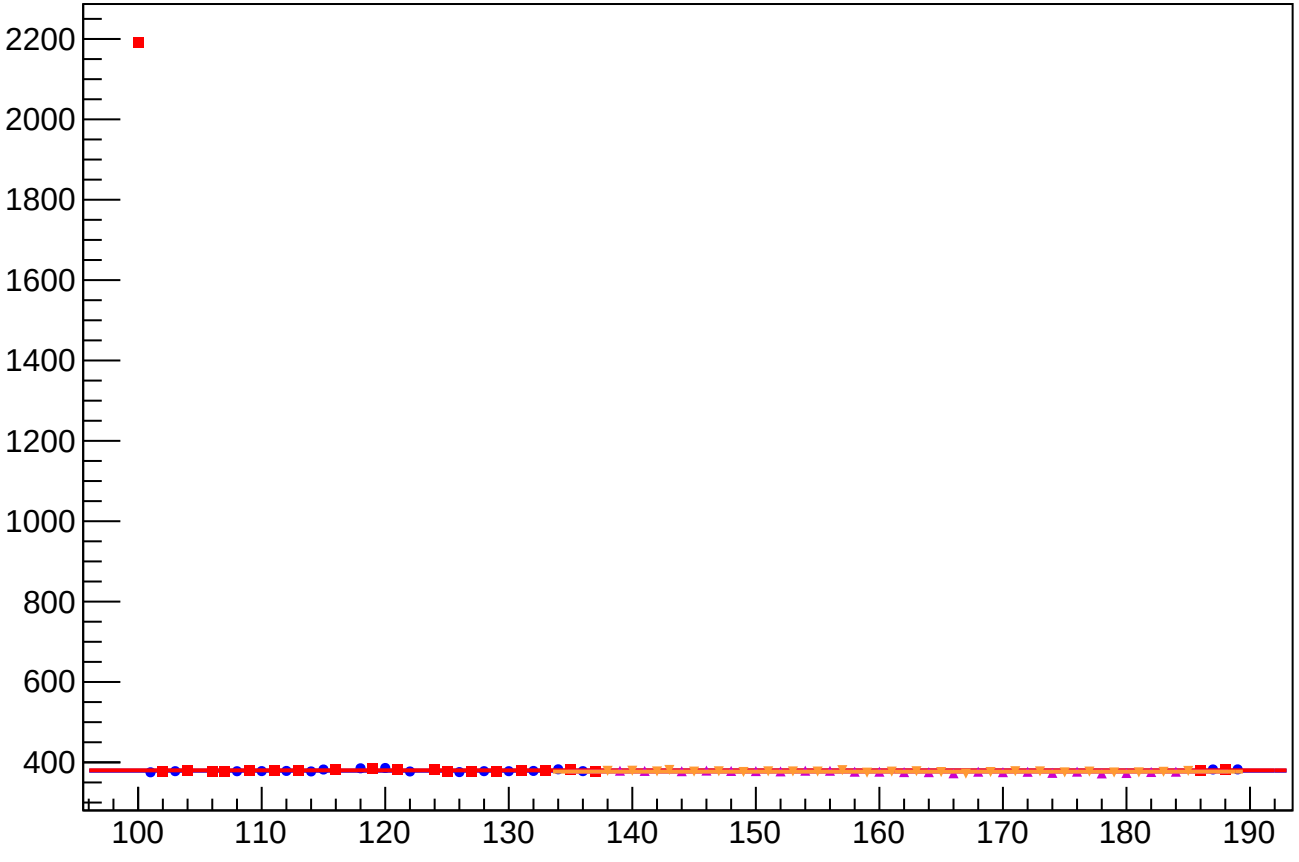
Left In: 162.992+/-87.991 χ^2/NDF:21.8/22

+ sign -31.475+/-72.200 χ^2/NDF: 26.6/42

All: 24.656+/-51.150 χ^2/NDF: 69.2/86

- sign 81.216+/-72.475 χ^2/NDF: 41.4/43

asym_dsr_rms vs Slug



Right In: 379.224+/-0.095 χ^2/NDF: 963.7/17

Left Out: 376.906+/-0.061 χ^2/NDF:1058.3/24

Right Out: 380.177+/-0.090 χ^2/NDF: 99731.9/20

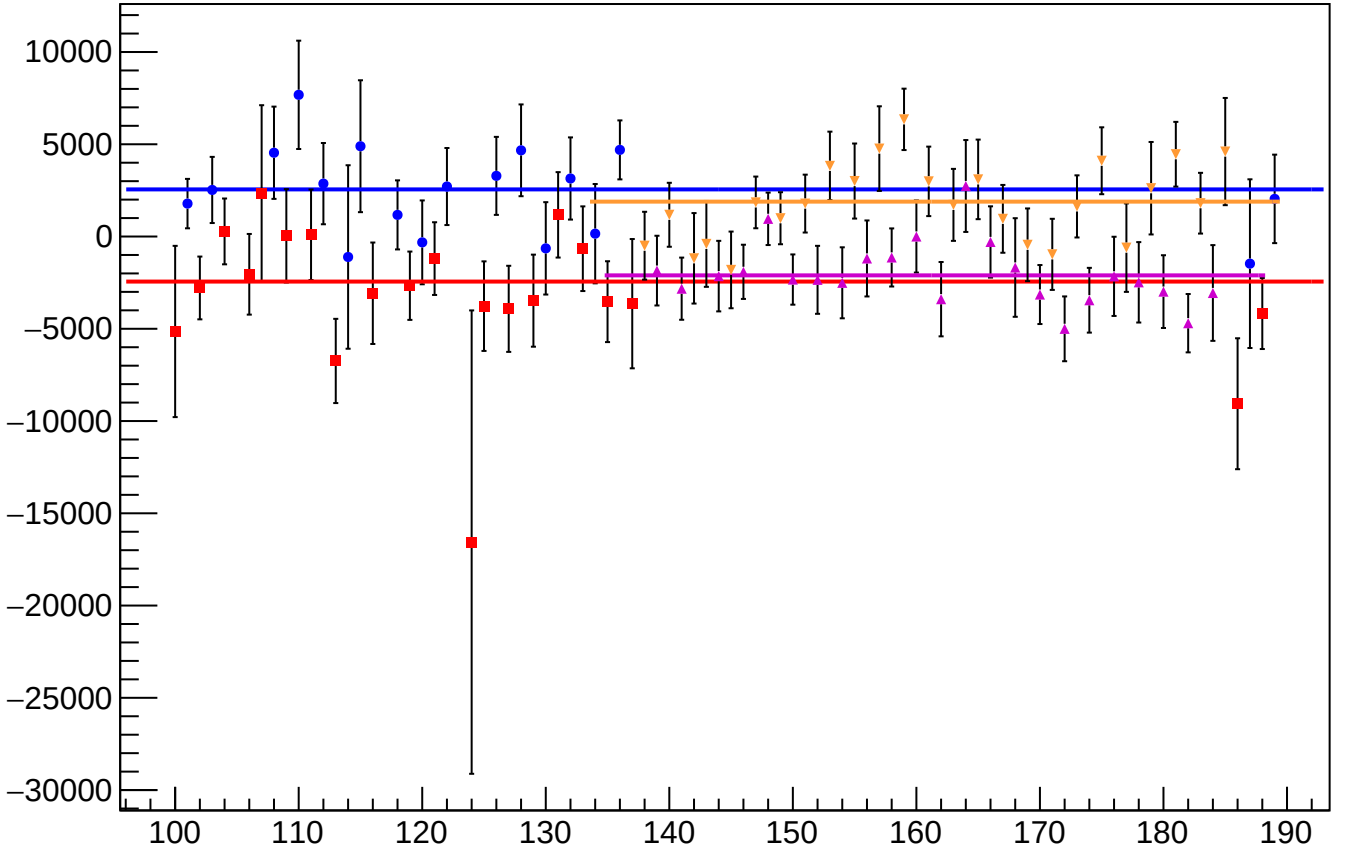
Left In: 376.846+/-0.062 χ^2/NDF:1074.1/22

+ sign 377.576+/-0.051 χ^2/NDF: 2445.7/42

All: 377.746+/-0.036 χ^2/NDF: 104196.0/86

- sign 377.917+/-0.051 χ^2/NDF: 101728.0/43

asym_us_agg_avg_mean vs Slug



Right In: 2553.762+/-521.553 χ^2/NDF: 13.1/17

Left Out: 1891.201+/-375.290 χ^2/NDF:28.4/24

Right Out: -2441.463+/-520.460 χ^2/NDF: 19.6/20

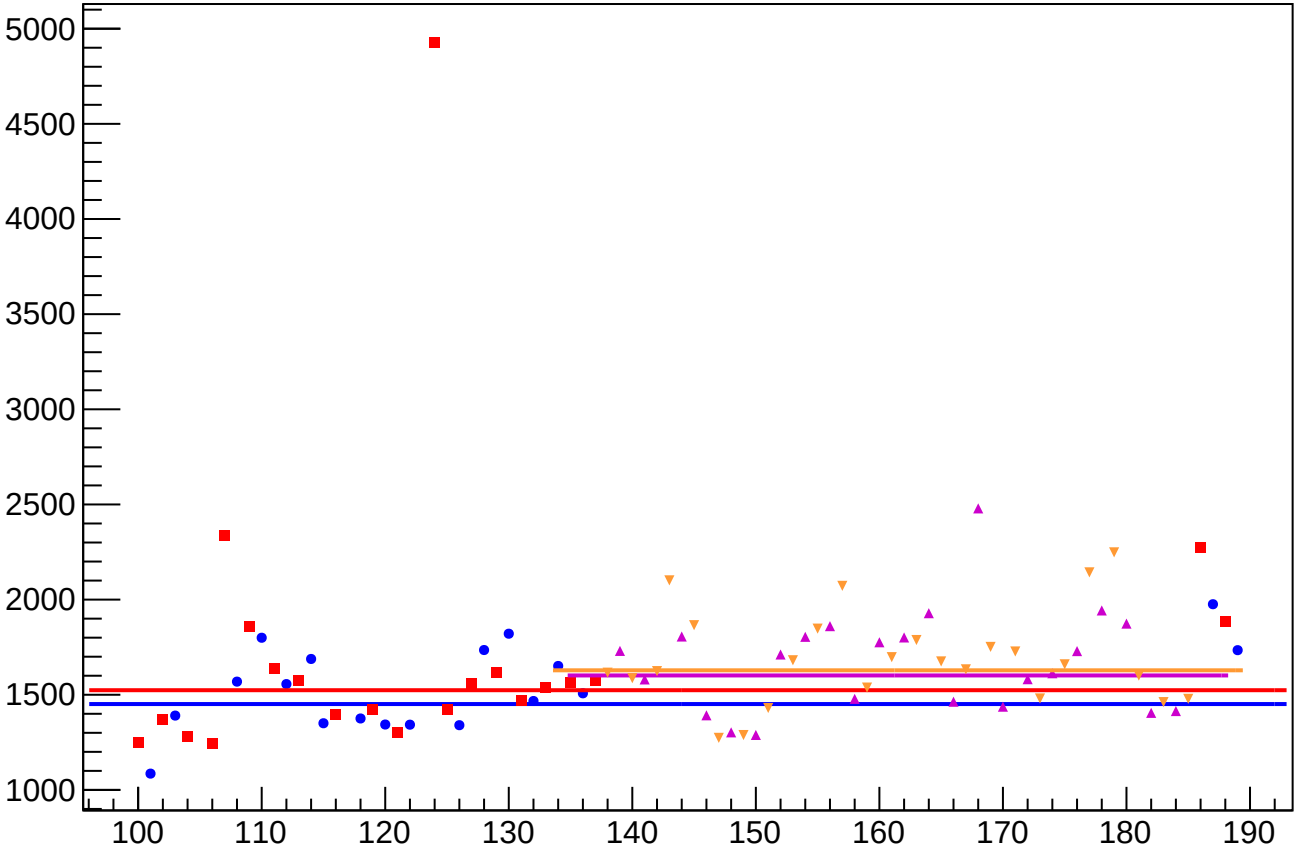
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

+ sign 2117.226+/-304.624 χ^2/NDF: 42.5/42

All: -39.699+/-216.028 χ^2/NDF: 181.9/86

- sign -2221.884+/-306.402 χ^2/NDF: 38.5/43

asym_us_agg_avg_rms vs Slug



Right In: 1451.177+/-0.369 χ^2/NDF: 350817.9/17

Left Out: 1628.479+/-0.265 χ^2/NDF:779094.7/24

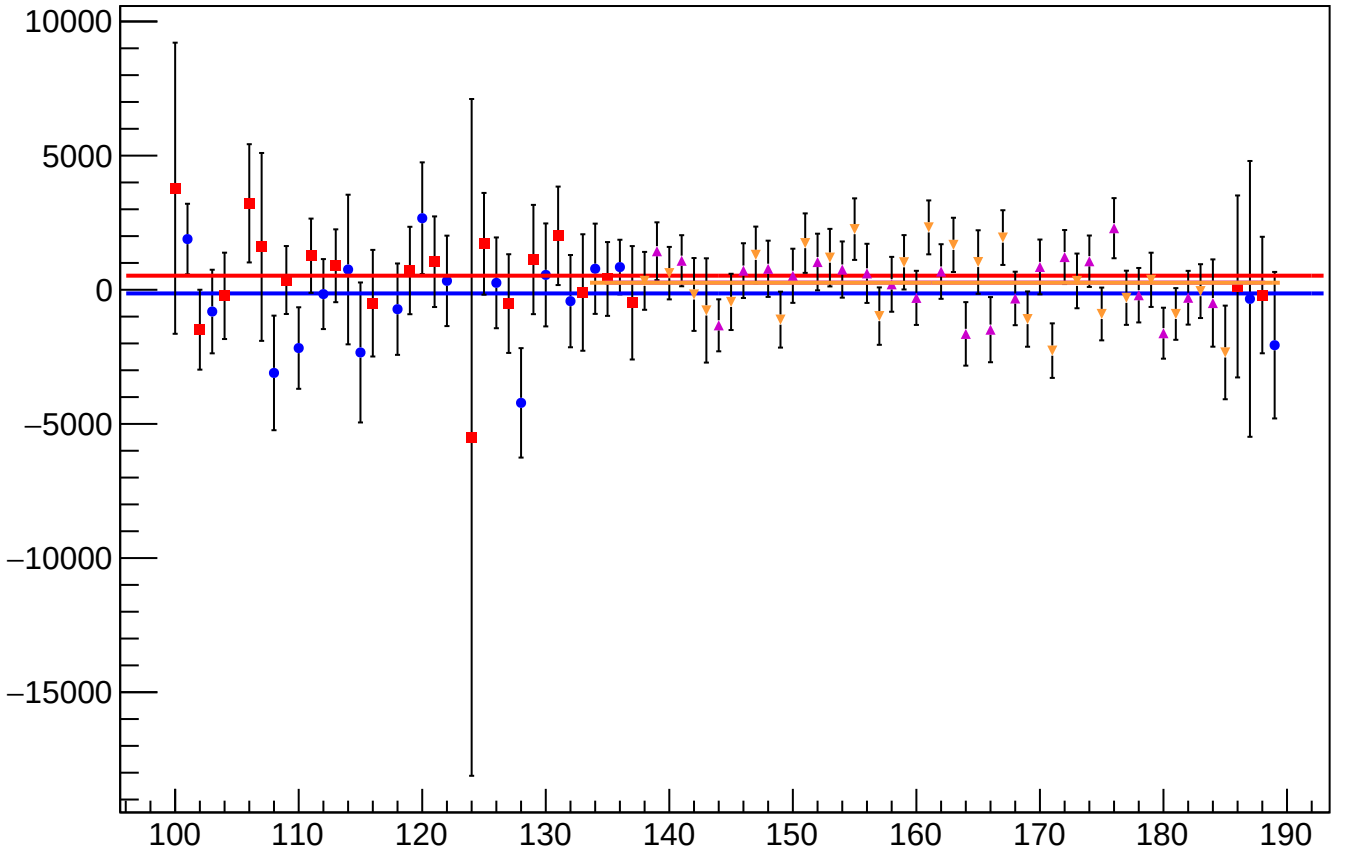
Right Out: 1523.936+/-0.368 χ^2/NDF: 543240.4/20

Left In: 1601.496+/-0.268 χ^2/NDF:793722.6/22

+ sign 1567.994+/-0.215 χ^2/NDF: 1282196.6/42

All: 1571.285+/-0.153 χ^2/NDF: 2648651.0/86

- sign 1574.615+/-0.217 χ^2/NDF: 1365984.8/43



Right In: -136.096+/-404.158 χ^2/NDF: 15.0/17

Left Out: 262.383+/-214.962 χ^2/NDF:33.9/24

Right Out: 525.052+/-401.316 χ^2/NDF: 6.9/20

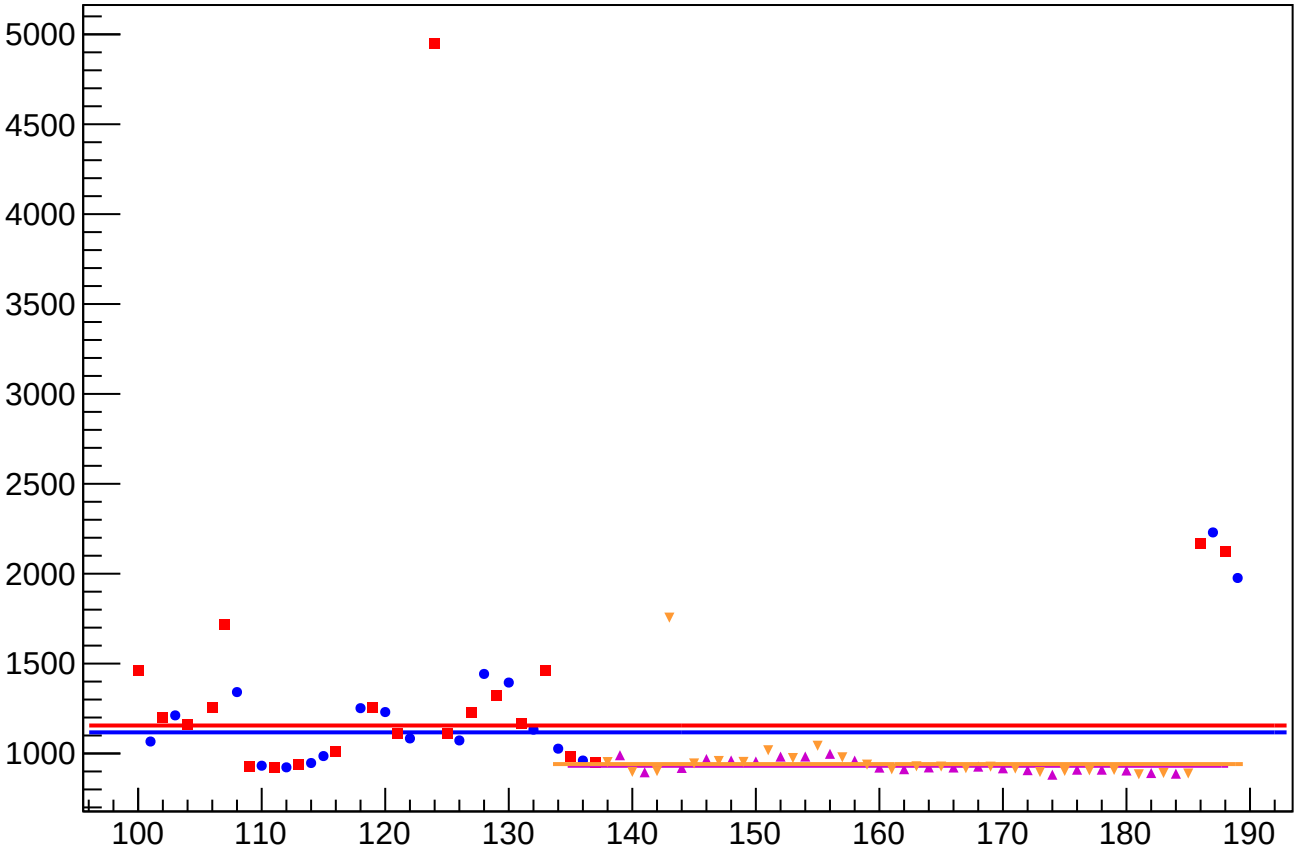
Left In: 267.059+/-217.685 χ^2/NDF:21.4/22

+ sign 174.514+/-189.787 χ^2/NDF: 49.7/42

All: 249.493+/-134.748 χ^2/NDF: 78.6/86

- sign 325.711+/-191.348 χ^2/NDF: 28.6/43

asym_us_agg_dd_rms vs Slug



Right In: 1117.470+/-0.286 χ^2/NDF: 577014.7/17

Left Out: 941.013+/-0.152 χ^2/NDF:417710.2/24

Right Out: 1155.633+/-0.284 χ^2/NDF: 1117680.0/20

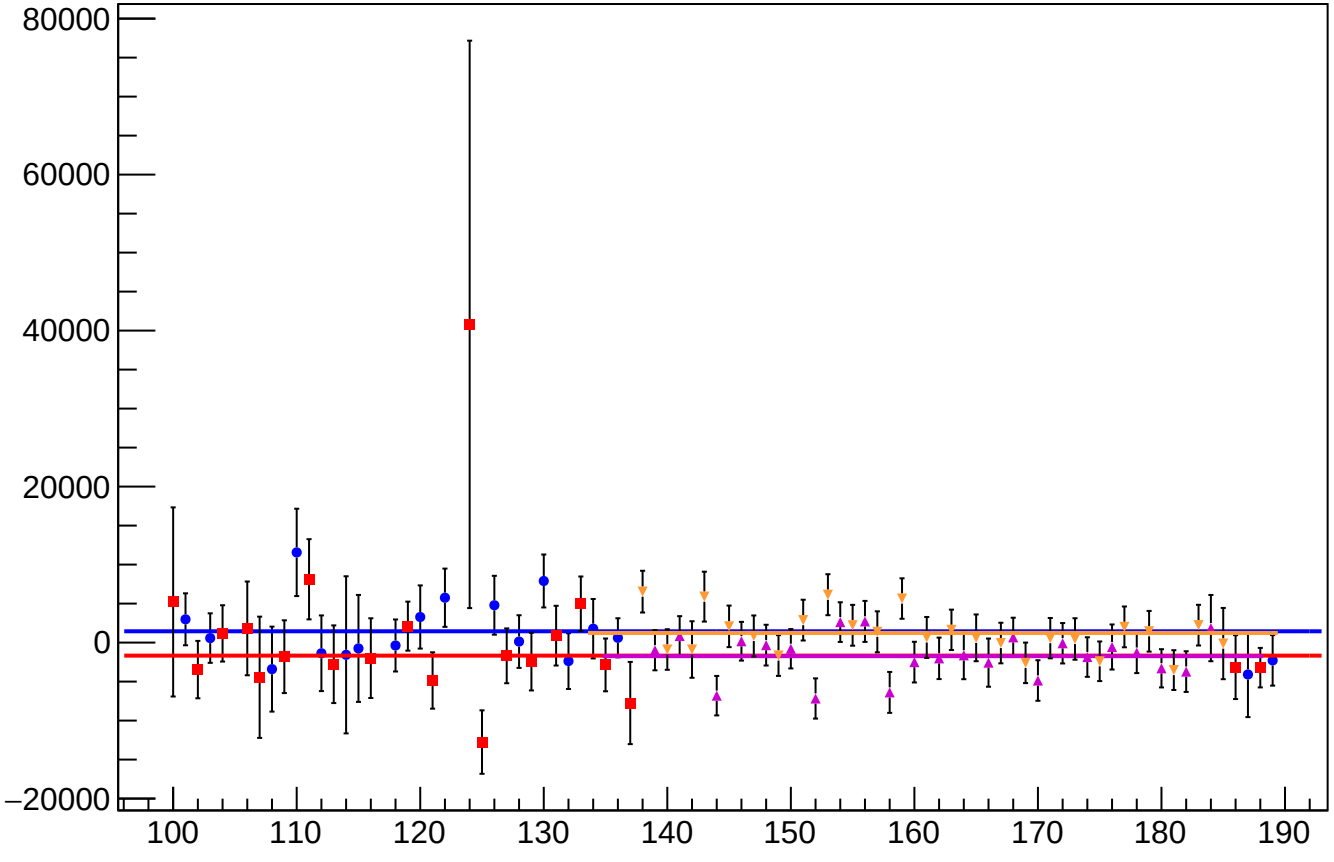
Left In: 931.562+/-0.154 χ^2/NDF:48916.1/22

+ sign 979.924+/-0.134 χ^2/NDF: 1291900.7/42

All: 981.202+/-0.095 χ^2/NDF: 2940422.5/86

- sign 982.502+/-0.135 χ^2/NDF: 1648338.8/43

reg_asym_atl1_mean vs Slug



Right In: 1449.111+/-901.334 χ^2/NDF: 14.9/17

Left Out: 1234.728+/-541.289 χ^2/NDF:23.9/24

Right Out: -1671.911+/-895.889 χ^2/NDF: 22.4/20

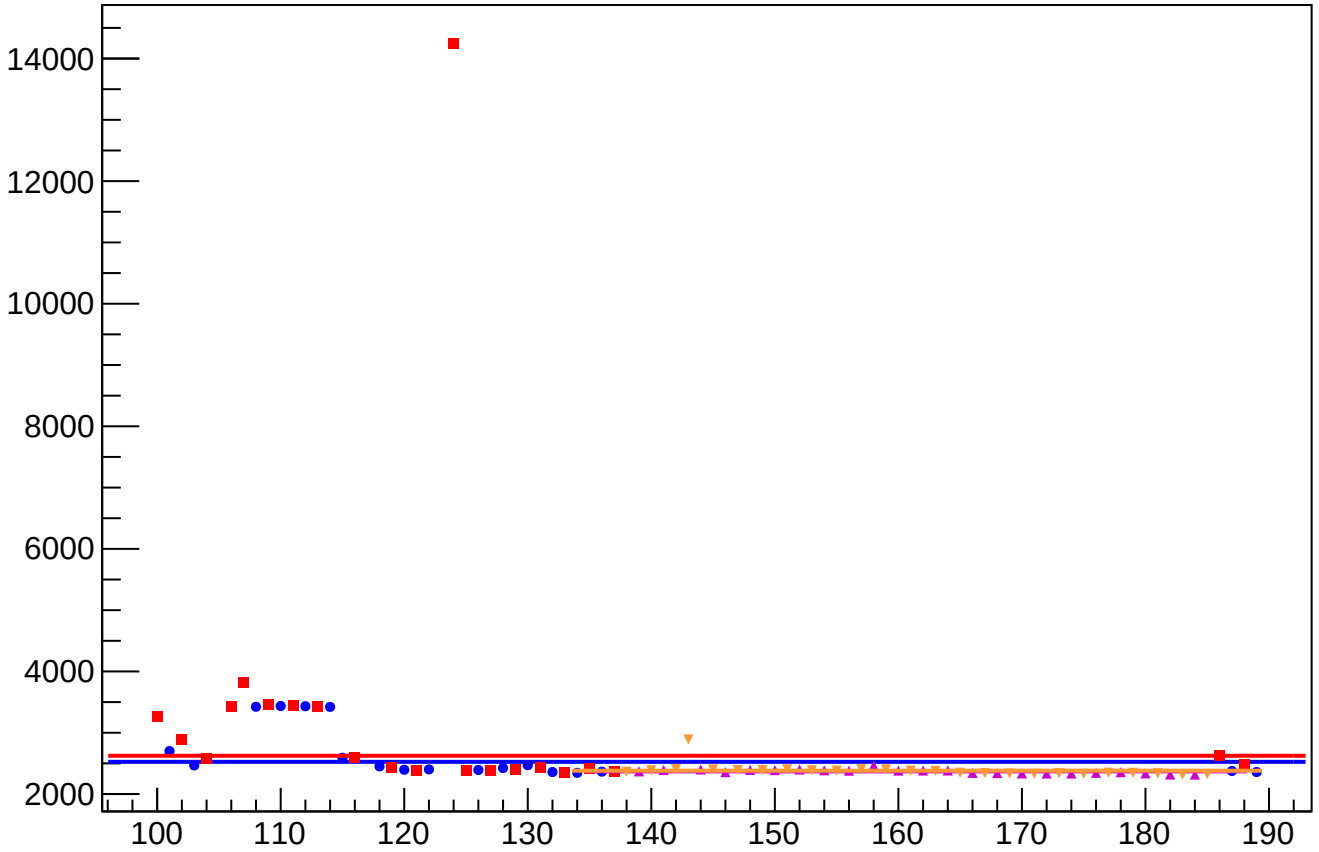
Left In: -1741.730+/-553.254 χ^2/NDF:24.4/22

+ sign 1291.552+/-464.041 χ^2/NDF: 38.8/42

All: -193.889+/-330.465 χ^2/NDF: 106.3/86

- sign -1722.455+/-470.728 χ^2/NDF: 46.8/43

reg_asym_atl1_rms vs Slug



Right In: 2525.532+/-0.637 χ^2/NDF: 233141.3/17

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2624.592+/-0.633 χ^2/NDF: 544257.0/20

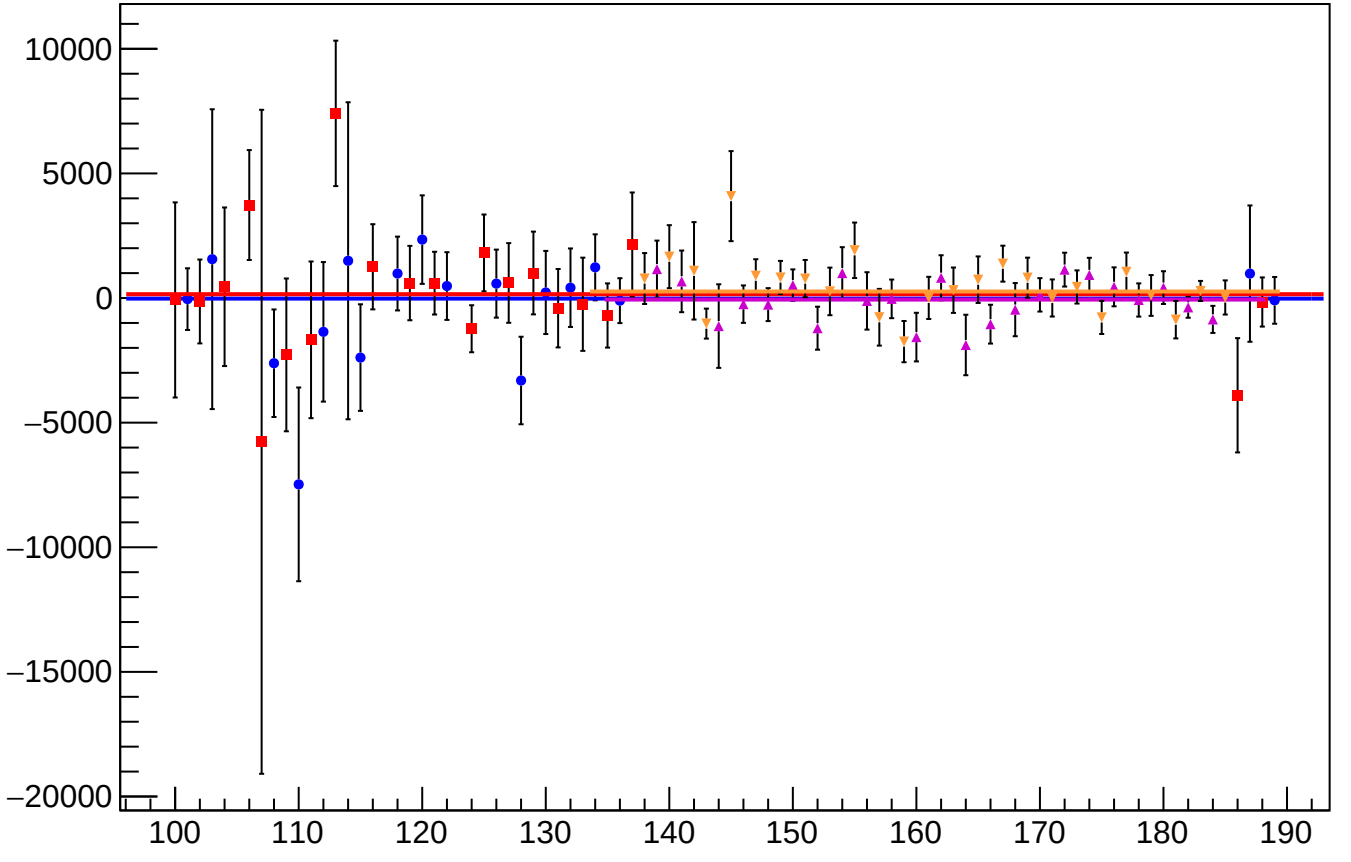
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2419.482+/-0.328 χ^2/NDF: 328436.8/42

All: 2429.516+/-0.234 χ^2/NDF: 999115.0/86

- sign 2439.842+/-0.333 χ^2/NDF: 668780.8/43

asym_atl1_reg_correction_mean vs Slug



Right In: -22.310+/-368.999 χ^2/NDF: 13.9/17

Left Out: 261.877+/-154.009 χ^2/NDF:31.1/24

Right Out: 154.646+/-364.817 χ^2/NDF: 19.1/20

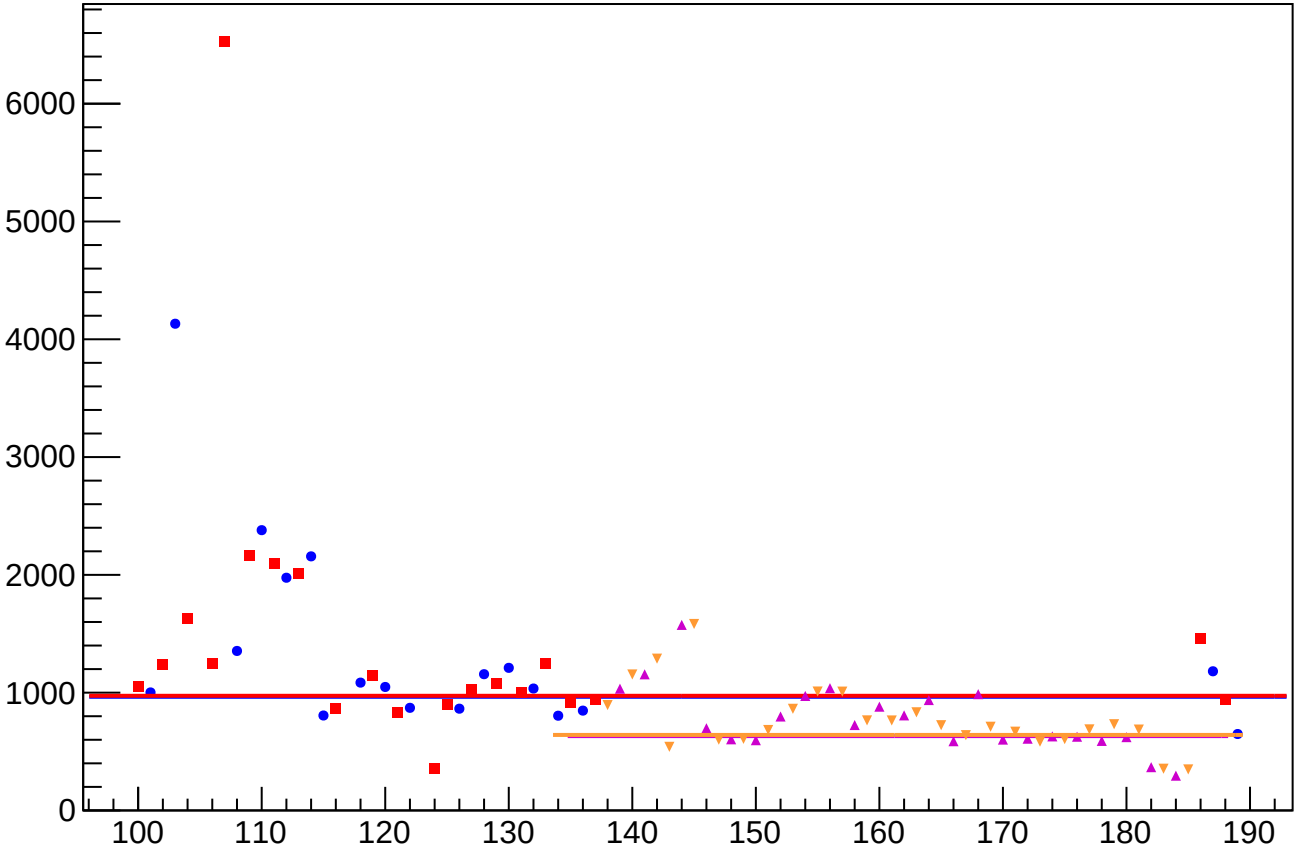
Left In: -61.960+/-157.394 χ^2/NDF:22.0/22

\+ sign 219.716+/-142.127 χ^2/NDF: 45.5/42

All: 97.939+/-101.333 χ^2/NDF: 88.4/86

\- sign -27.969+/-144.517 χ^2/NDF: 41.3/43

asym_atl1_reg_correction_rms vs Slug



Right In: 965.158+/-0.261 χ^2/NDF: 1640352.1/17

Left Out: 641.156+/-0.109 χ^2/NDF:3474860.7/24

Right Out: 973.357+/-0.258 χ^2/NDF: 2403429.7/20

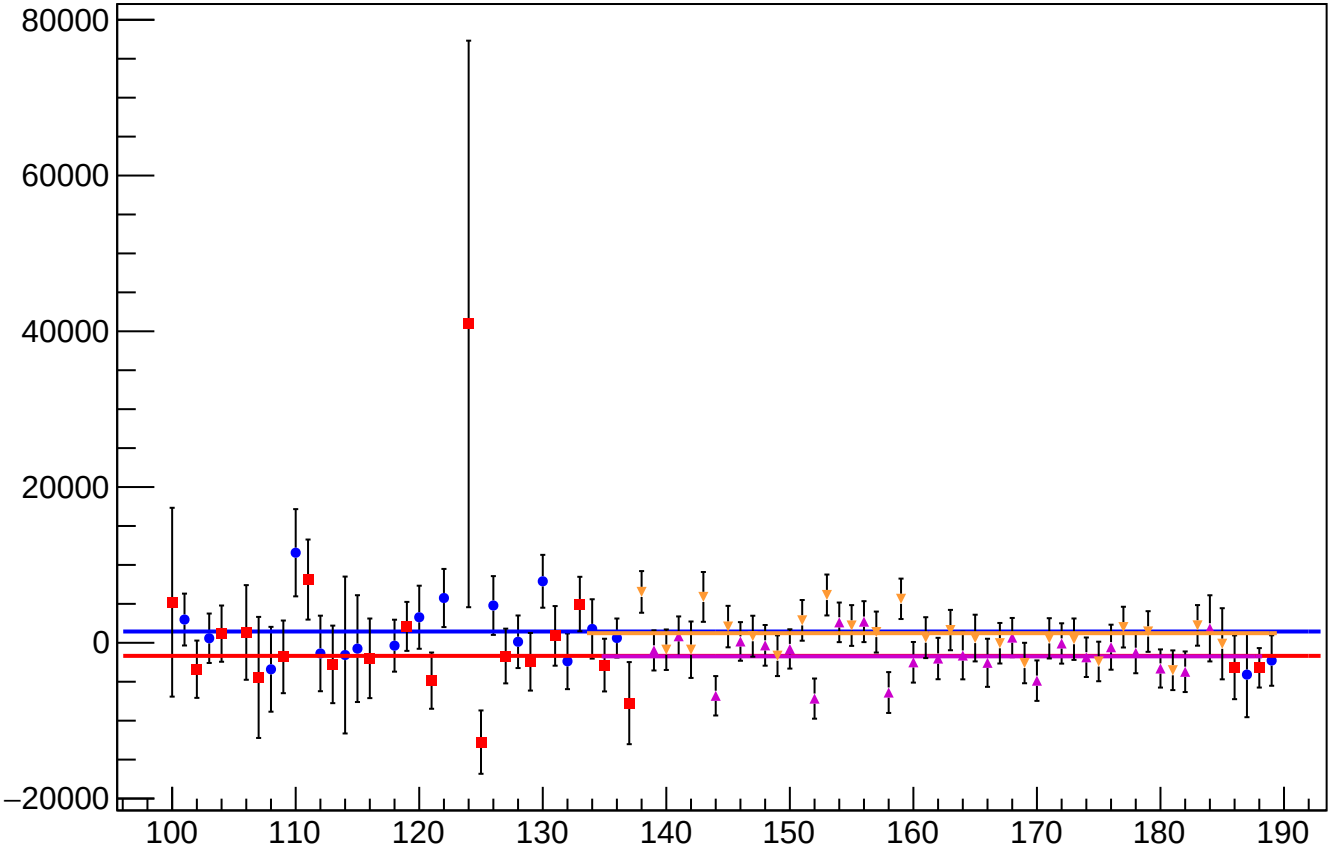
Left In: 631.199+/-0.111 χ^2/NDF:3975438.6/22

+ sign 689.223+/-0.100 χ^2/NDF: 6428412.1/42

All: 687.094+/-0.072 χ^2/NDF: 14291399.9/86

- sign 684.892+/-0.102 χ^2/NDF: 7862074.4/43

cor_asym_atl1_mean vs Slug



Right In: 1449.441+/-901.334 χ^2/NDF: 14.9/17

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: -1680.104+/-896.115 χ^2/NDF: 22.3/20

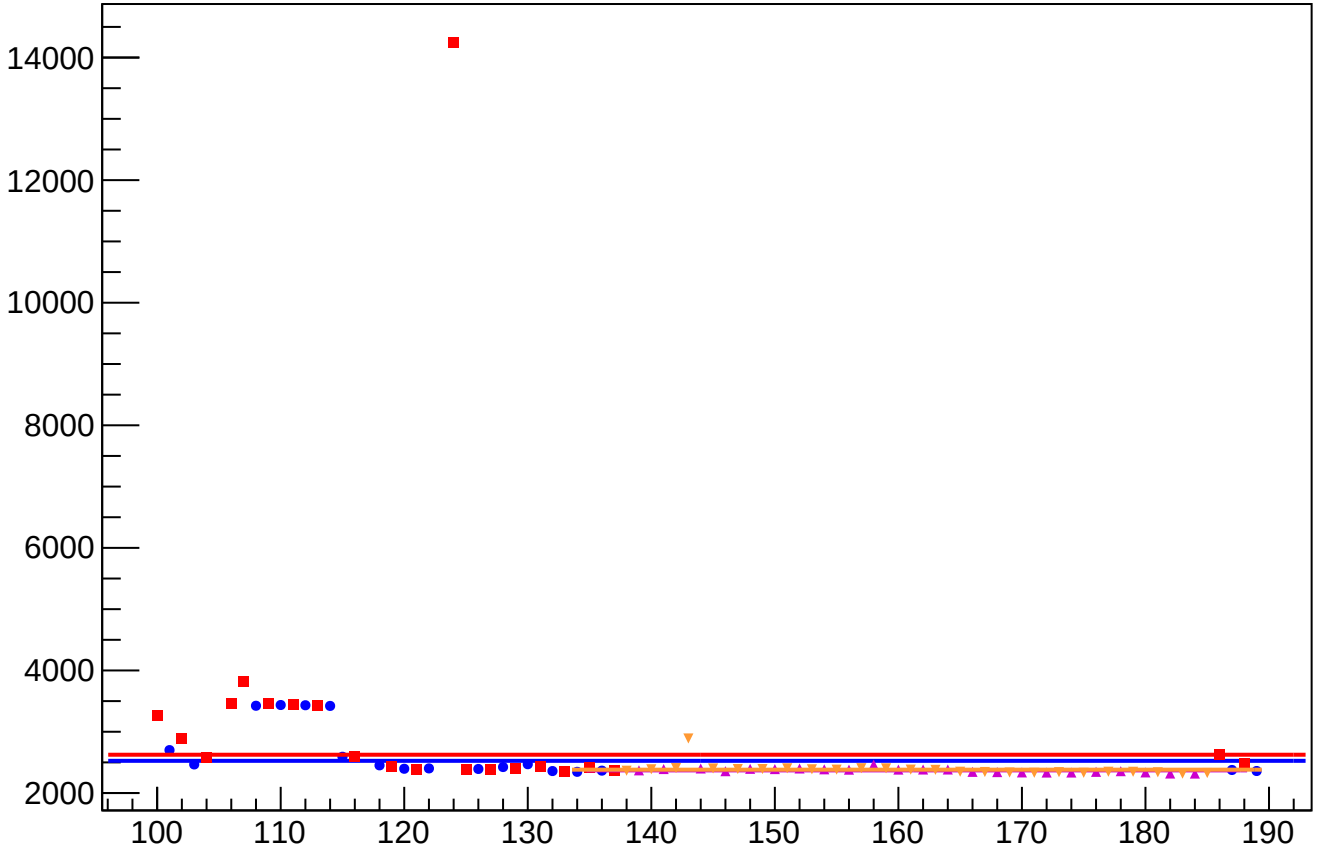
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1291.623+/-464.041 χ^2/NDF: 38.8/42

All: -194.885+/-330.477 χ^2/NDF: 106.3/86

- sign -1724.762+/-470.761 χ^2/NDF: 46.7/43

cor_asym_atl1_rms vs Slug



Right In: 2525.532+/-0.637 χ^2/NDF: 233141.3/17

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2625.041+/-0.634 χ^2/NDF: 546886.4/20

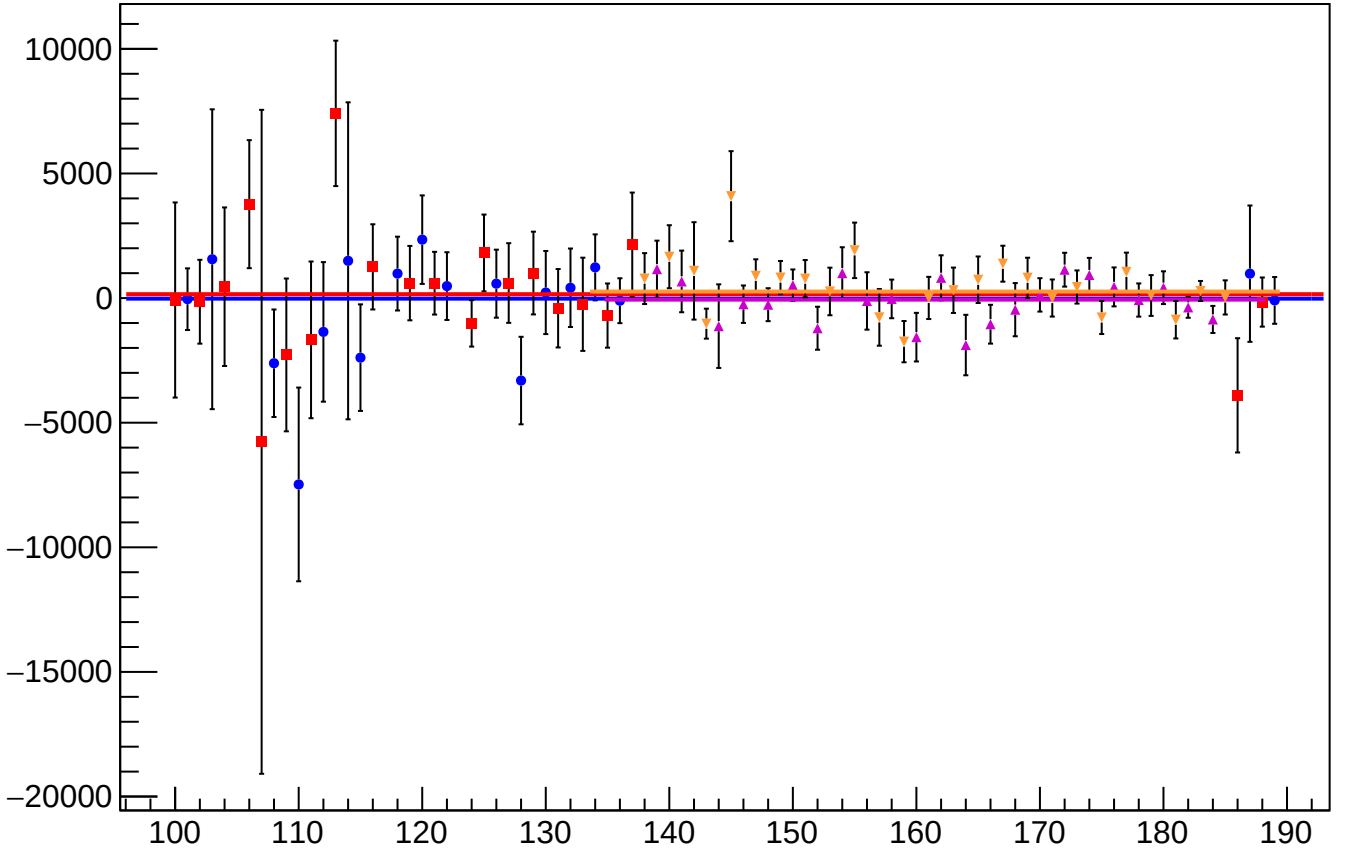
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2419.482+/-0.328 χ^2/NDF: 328436.8/42

All: 2429.564+/-0.234 χ^2/NDF: 1002133.7/86

- sign 2439.940+/-0.333 χ^2/NDF: 671781.3/43

asym_atl1_cor_correction_mean vs Slug



Right In: -22.403+/-368.997 χ^2/NDF: 13.9/17

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: 156.940+/-365.404 χ^2/NDF: 17.8/20

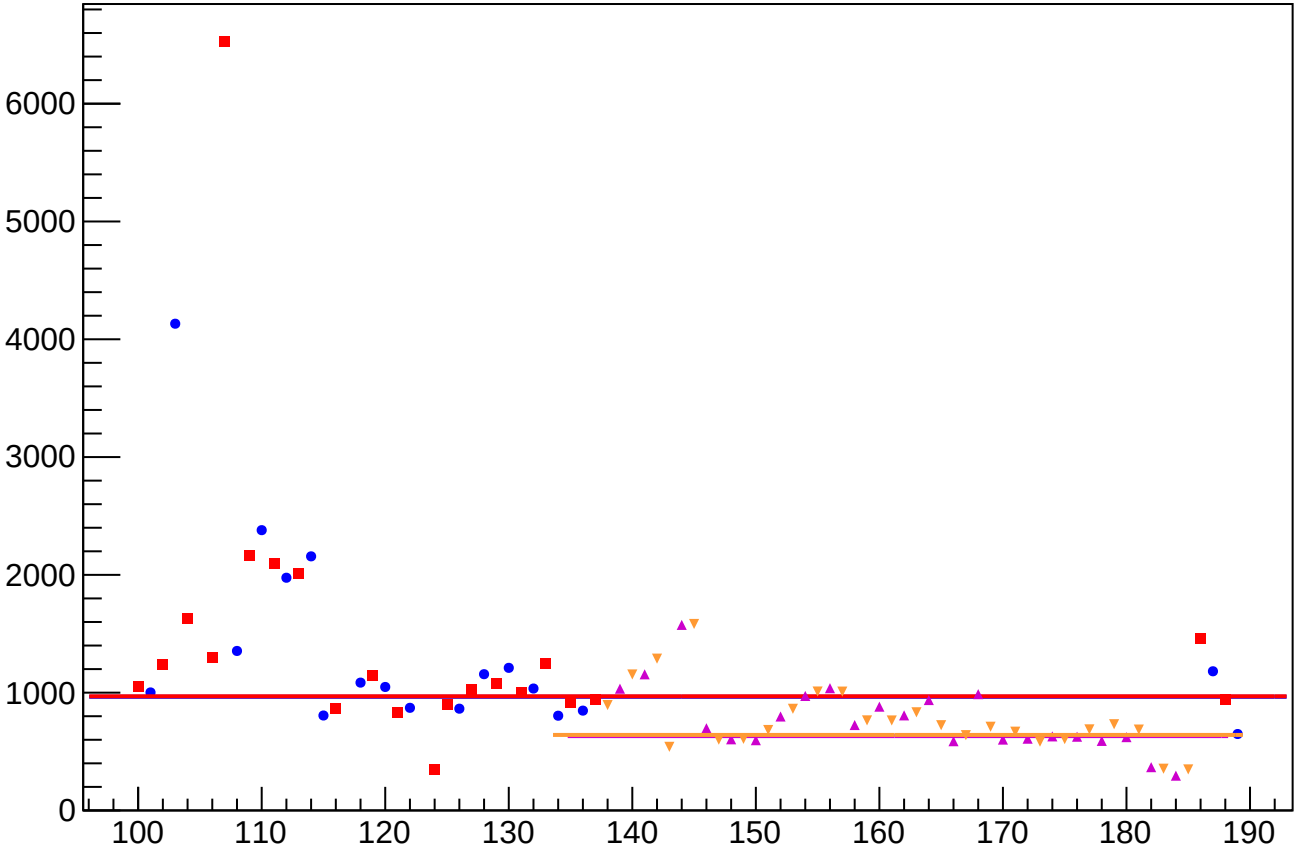
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

+ sign 219.942+/-142.129 χ^2/NDF: 45.5/42

All: 98.208+/-101.347 χ^2/NDF: 87.1/86

- sign -27.716+/-144.554 χ^2/NDF: 40.1/43

asym_atl1_cor_correction_rms vs Slug



Right In: 965.152+/-0.261 χ^2/NDF: 1640324.2/17

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 969.171+/-0.258 χ^2/NDF: 2439678.6/20

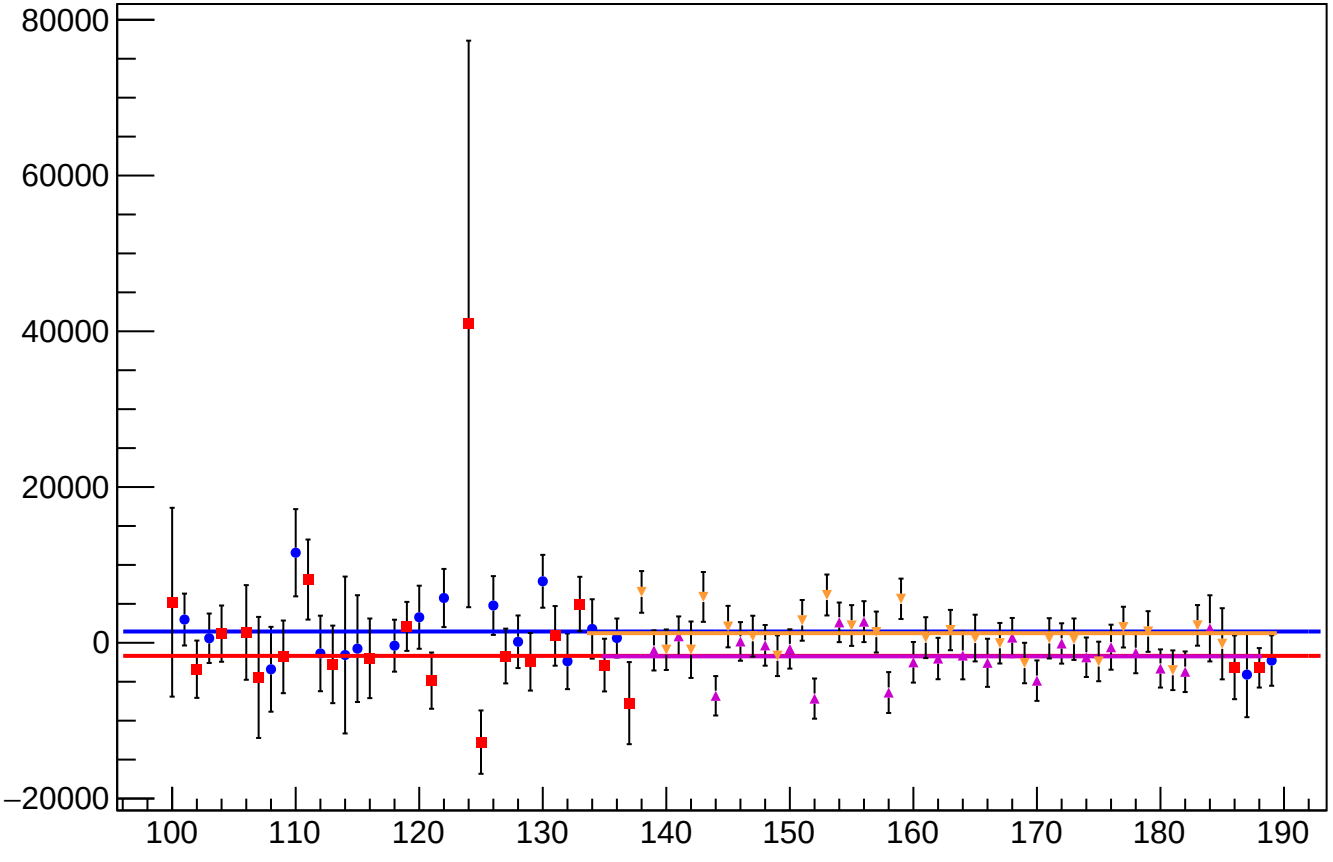
Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

+ sign 689.235+/-0.101 χ^2/NDF: 6427971.6/42

All: 686.706+/-0.072 χ^2/NDF: 14287741.2/86

- sign 684.089+/-0.102 χ^2/NDF: 7858480.6/43

eigen_cor_asym_atl1_mean vs Slug



Right In: 1449.441+/-901.334 χ^2/NDF: 14.9/17

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: -1680.104+/-896.115 χ^2/NDF: 22.3/20

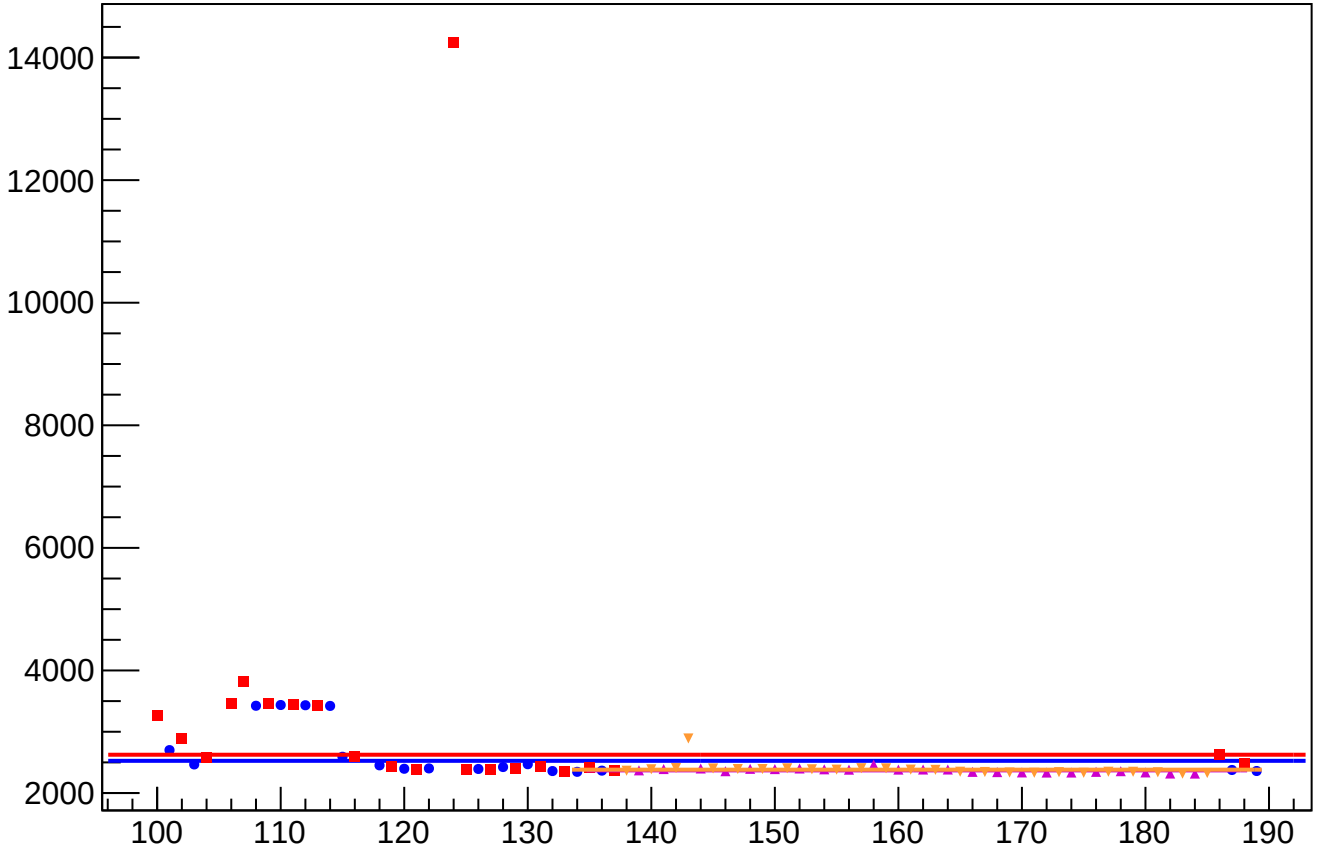
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1291.623+/-464.041 χ^2/NDF: 38.8/42

All: -194.885+/-330.477 χ^2/NDF: 106.3/86

- sign -1724.762+/-470.761 χ^2/NDF: 46.7/43

eigen_cor_asym_atl1_rms vs Slug



Right In: 2525.532+/-0.637 χ^2/NDF: 233141.3/17

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2625.041+/-0.634 χ^2/NDF: 546886.4/20

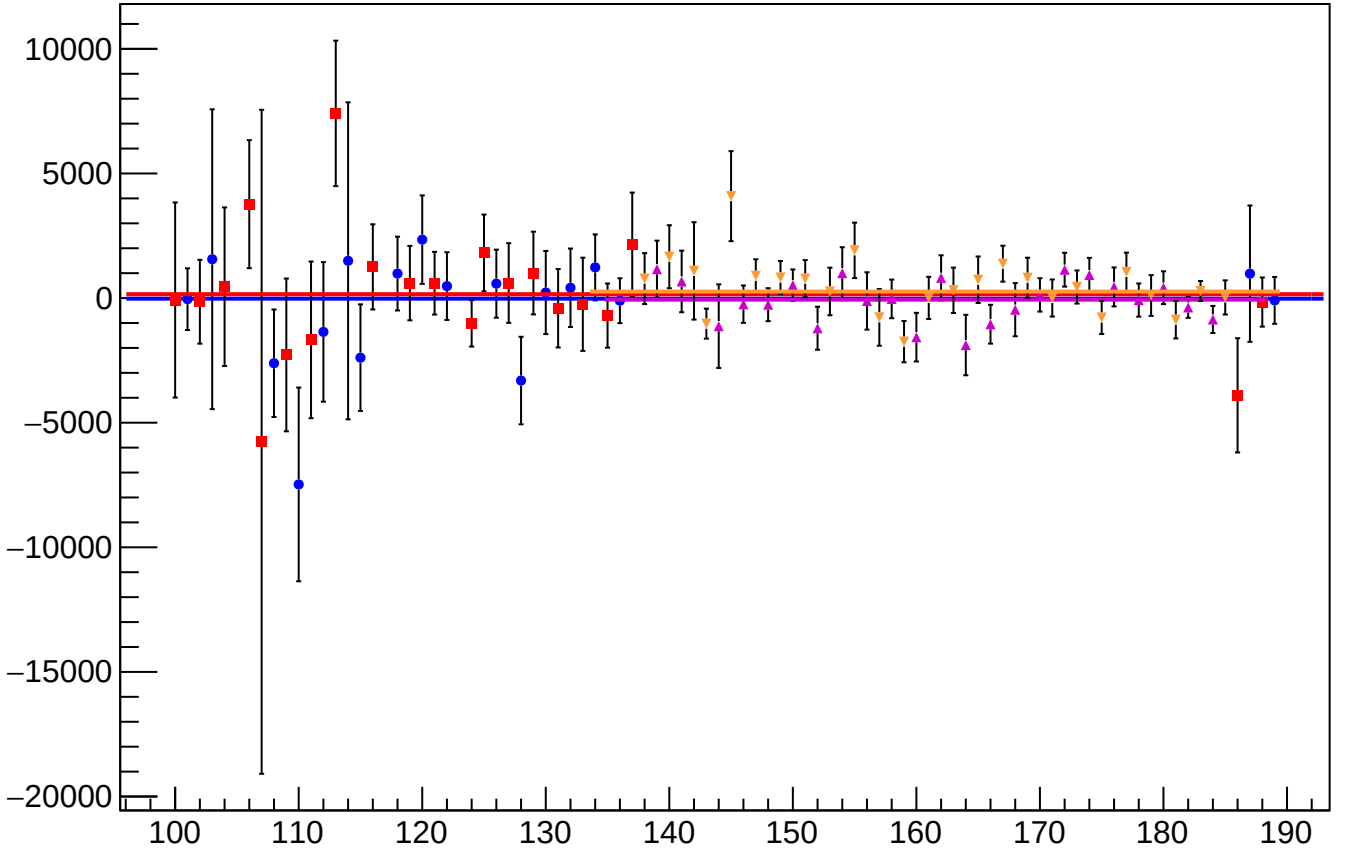
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2419.482+/-0.328 χ^2/NDF: 328436.8/42

All: 2429.564+/-0.234 χ^2/NDF: 1002133.7/86

- sign 2439.940+/-0.333 χ^2/NDF: 671781.3/43

asym_atl1_eigen_cor_correction_mean vs Slug



Right In: -22.403+/-368.997 χ^2/NDF: 13.9/17

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: 156.940+/-365.404 χ^2/NDF: 17.8/20

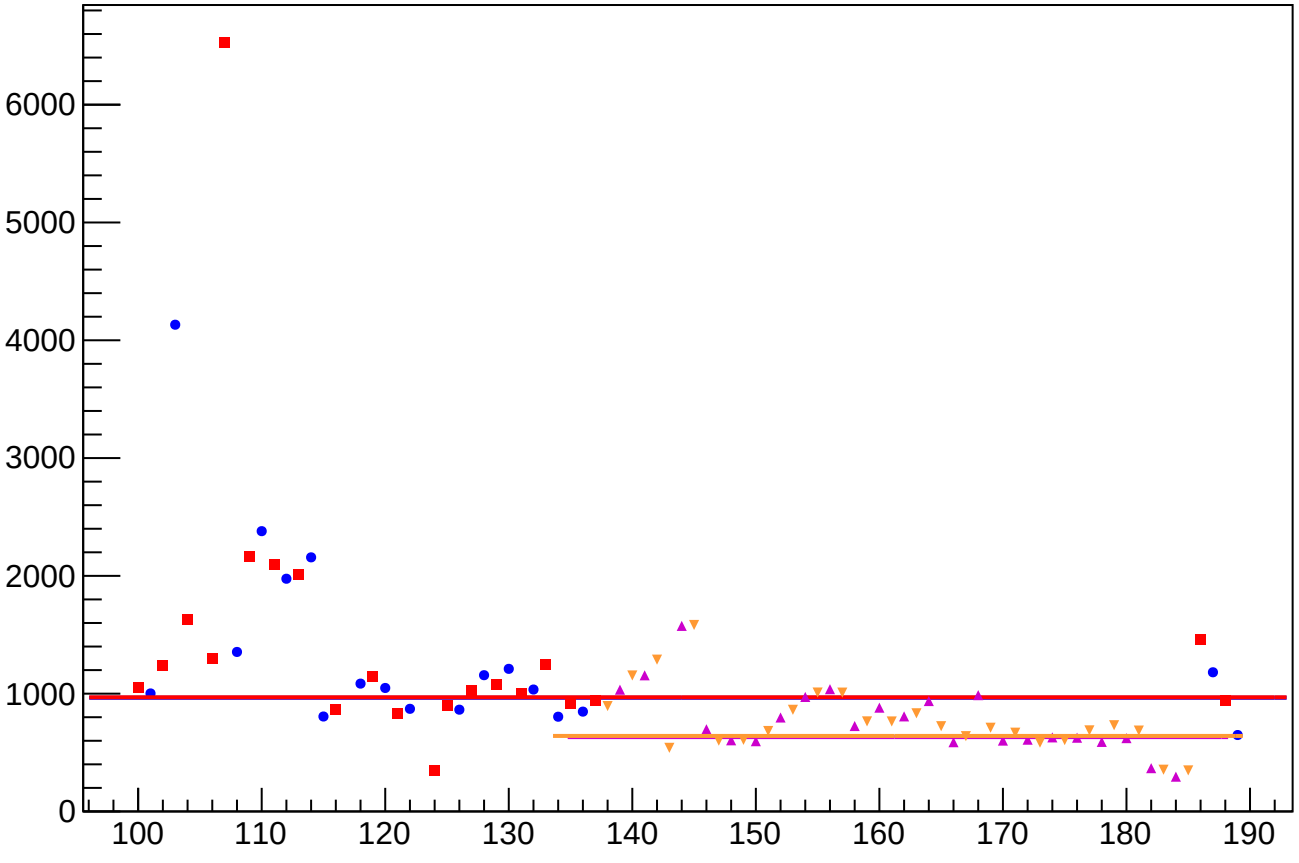
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

+ sign 219.942+/-142.129 χ^2/NDF: 45.5/42

All: 98.208+/-101.347 χ^2/NDF: 87.1/86

- sign -27.716+/-144.554 χ^2/NDF: 40.1/43

asym_atl1_eigen_cor_correction_rms vs Slug



Right In: 965.152+/-0.261 χ^2/NDF: 1640324.2/17

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

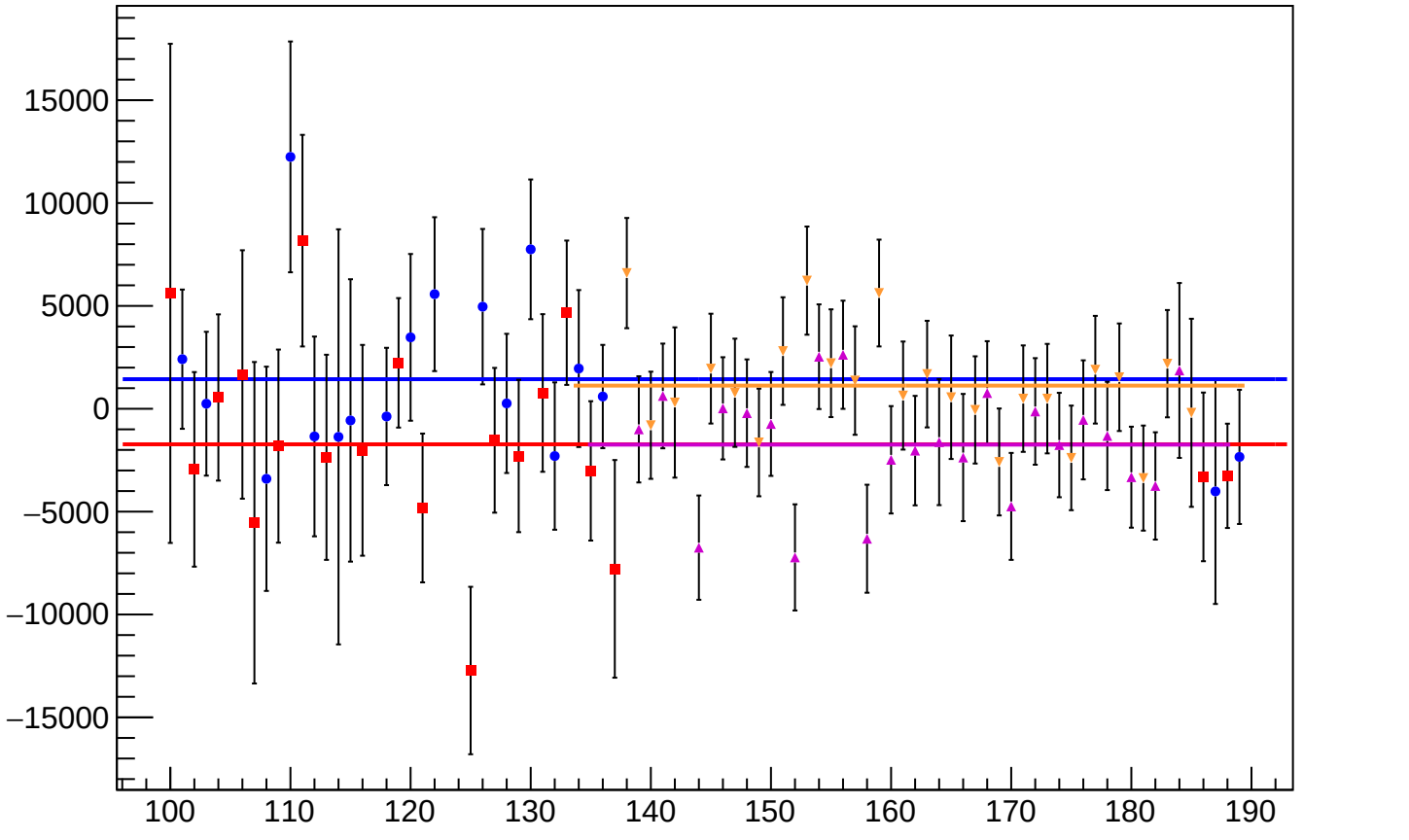
Right Out: 969.171+/-0.258 χ^2/NDF: 2439678.6/20

Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

+ sign 689.235+/-0.101 χ^2/NDF: 6427971.6/42

All: 686.706+/-0.072 χ^2/NDF: 14287741.2/86

- sign 684.089+/-0.102 χ^2/NDF: 7858480.6/43



Right In: 1438.467+/-910.134 χ^2/NDF: 15.0/17

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: -1726.500+/-913.960 χ^2/NDF: 20.4/19

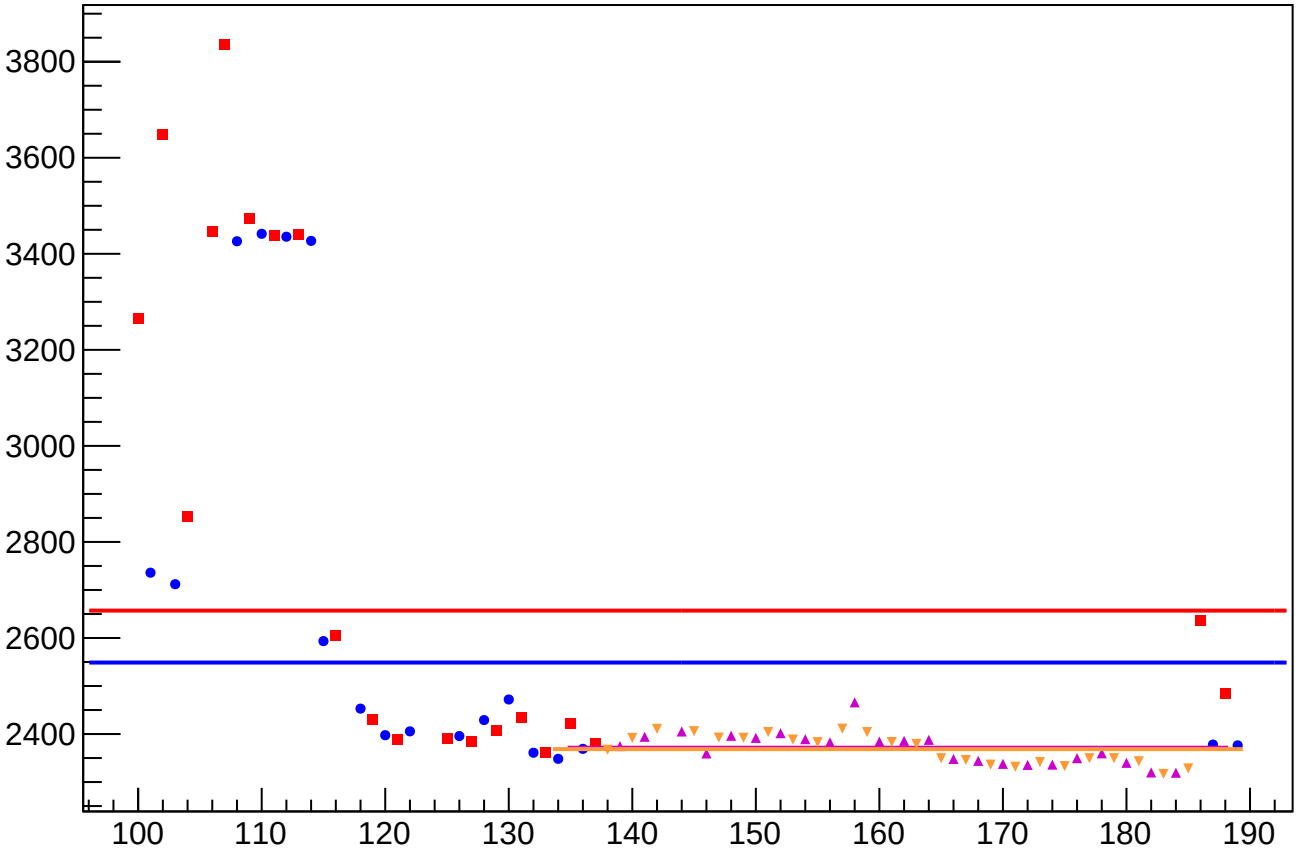
Left In: -1742.304+/-553.755 χ^2/NDF:23.8/22

+ sign 1209.227+/-470.620 χ^2/NDF: 36.3/41

All: -255.095+/-333.830 χ^2/NDF: 99.9/84

- sign -1738.061+/-473.607 χ^2/NDF: 44.1/42

dit_asym_atl1_rms vs Slug



Right In: 2548.832+/-0.644 χ^2/NDF: 237919.7/17

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2657.005+/-0.646 χ^2/NDF: 430268.7/19

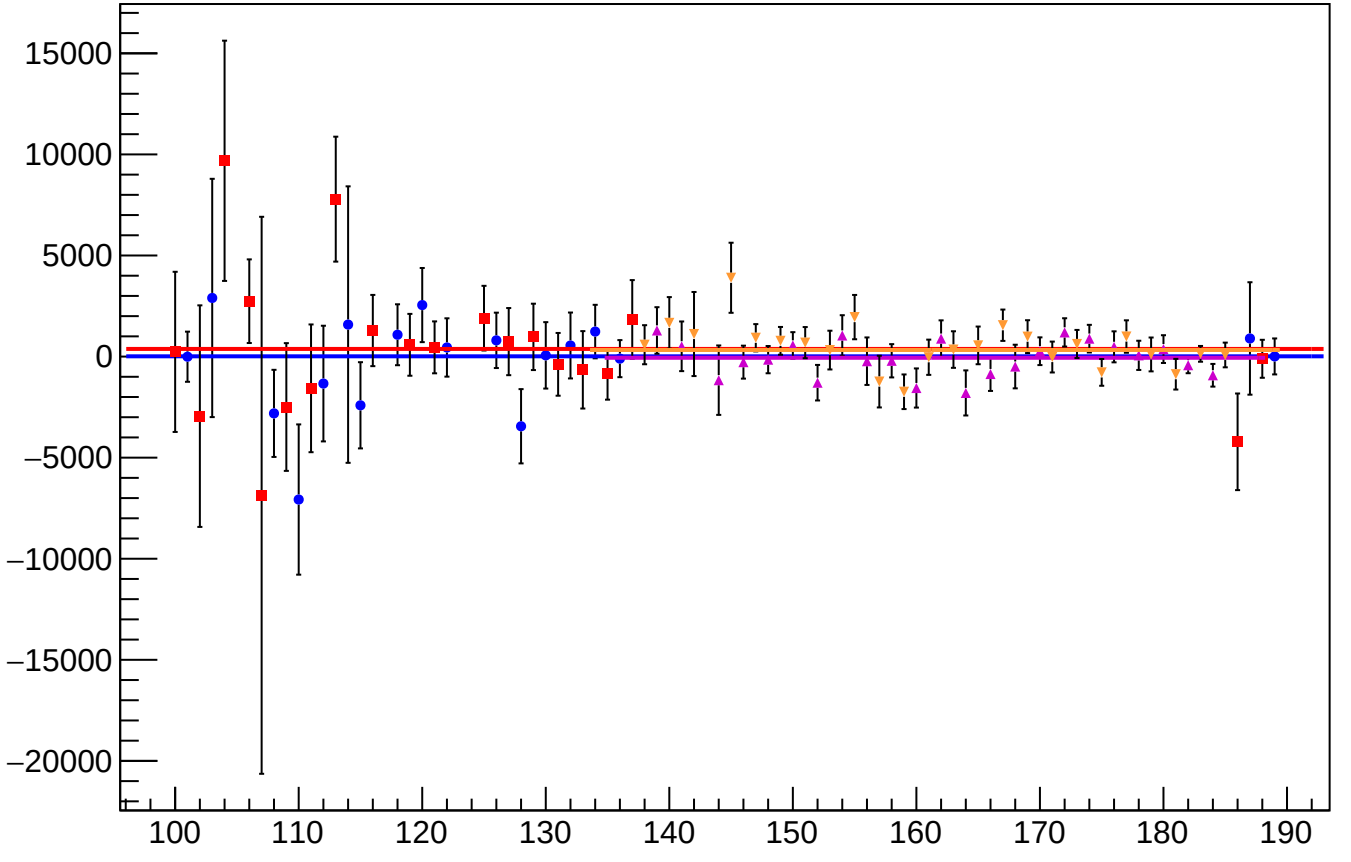
Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

+ sign 2416.768+/-0.333 χ^2/NDF: 300970.5/41

All: 2432.374+/-0.236 χ^2/NDF: 885459.9/84

- sign 2448.178+/-0.335 χ^2/NDF: 580063.2/42

asym_atl1_dit_correction_mean vs Slug



Right In: 12.937+/-370.716 χ^2/NDF: 14.6/17

Left Out: 325.955+/-160.041 χ^2/NDF:26.8/23

Right Out: 378.031+/-407.422 χ^2/NDF: 18.7/19

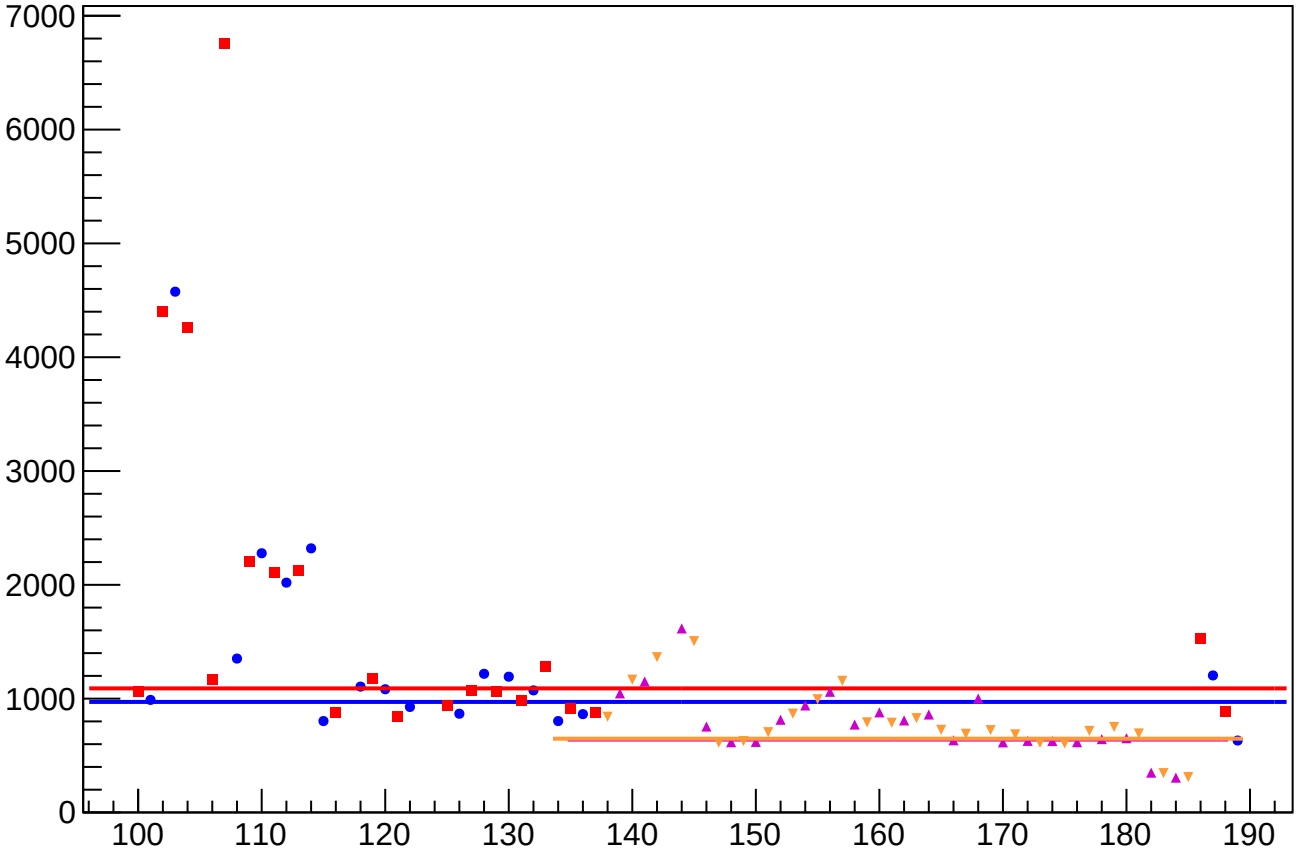
Left In: -59.619+/-159.669 χ^2/NDF:22.7/22

+ sign 276.781+/-146.934 χ^2/NDF: 42.0/41

All: 139.340+/-104.503 χ^2/NDF: 86.2/84

- sign -1.351+/-148.661 χ^2/NDF: 42.4/42

asym_atl1_dit_correction_rms vs Slug



Right In: 971.132+/-0.262 χ^2/NDF: 1898067.8/17

Left Out: 648.100+/-0.113 χ^2/NDF:3886991.8/23

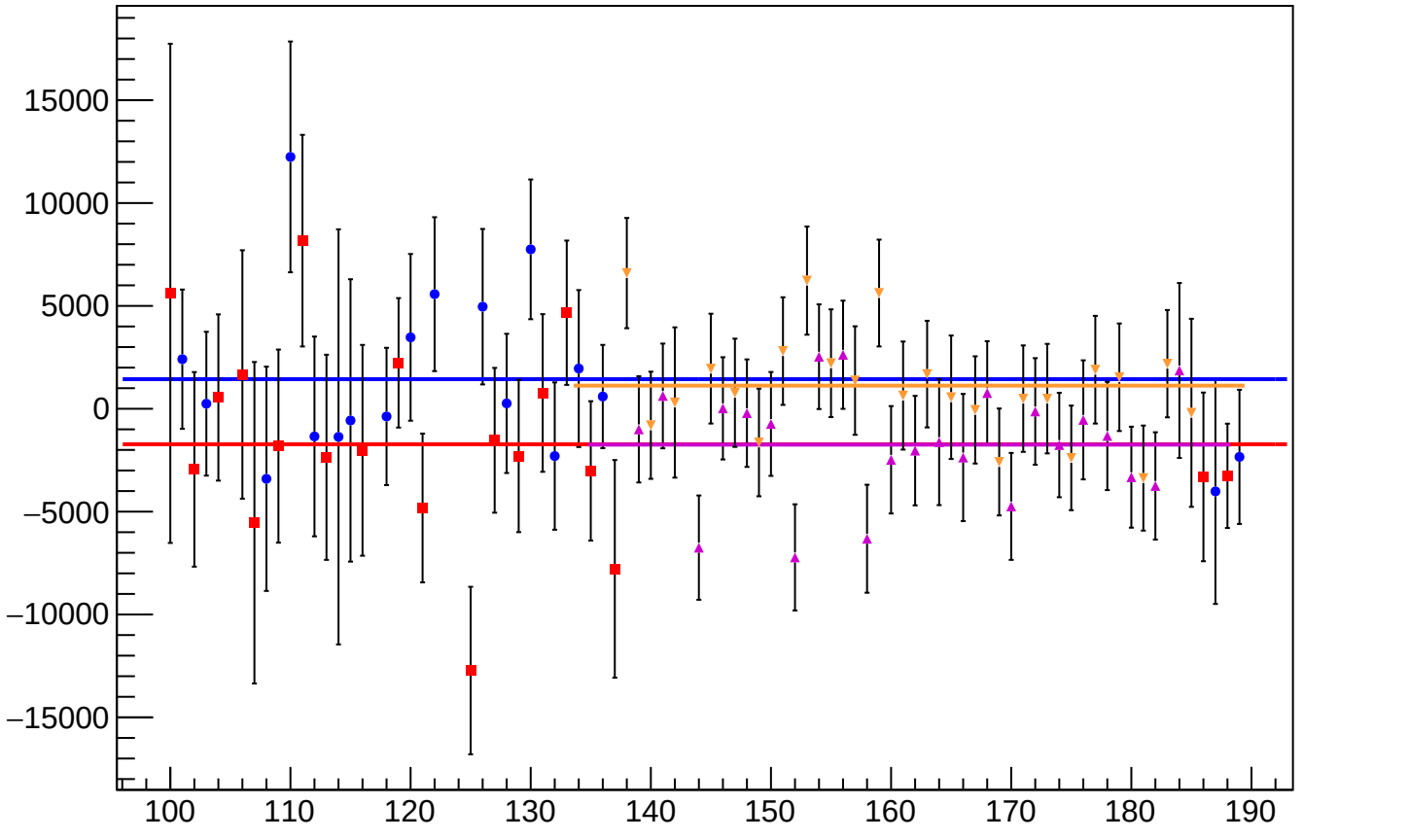
Right Out: 1090.091+/-0.288 χ^2/NDF: 2708204.5/19

Left In: 640.422+/-0.113 χ^2/NDF:4128760.4/22

+ sign 698.847+/-0.104 χ^2/NDF: 7065081.3/41

All: 699.560+/-0.074 χ^2/NDF: 16014058.7/84

- sign 700.290+/-0.105 χ^2/NDF: 8948882.0/42



Right In: 1438.464+/-910.134 χ^2/NDF: 15.0/17

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: -1726.498+/-913.960 χ^2/NDF: 20.4/19

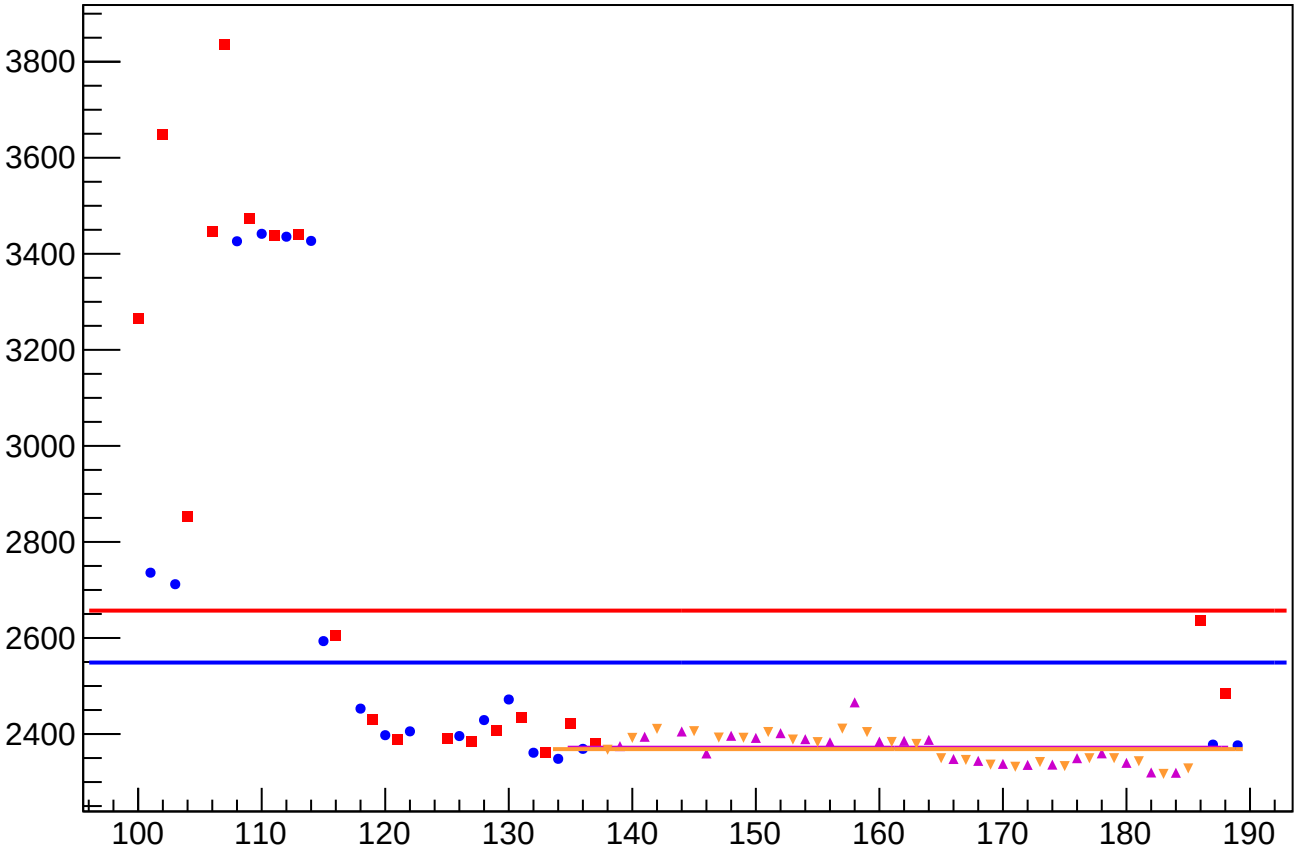
Left In: -1742.305+/-553.755 χ^2/NDF:23.8/22

+ sign 1209.226+/-470.620 χ^2/NDF: 36.3/41

All: -255.096+/-333.830 χ^2/NDF: 99.9/84

- sign -1738.060+/-473.607 χ^2/NDF: 44.1/42

eigen_dit_asym_atl1_rms vs Slug



Right In: 2548.832+/-0.644 χ^2/NDF: 237919.4/17

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2657.005+/-0.646 χ^2/NDF: 430268.1/19

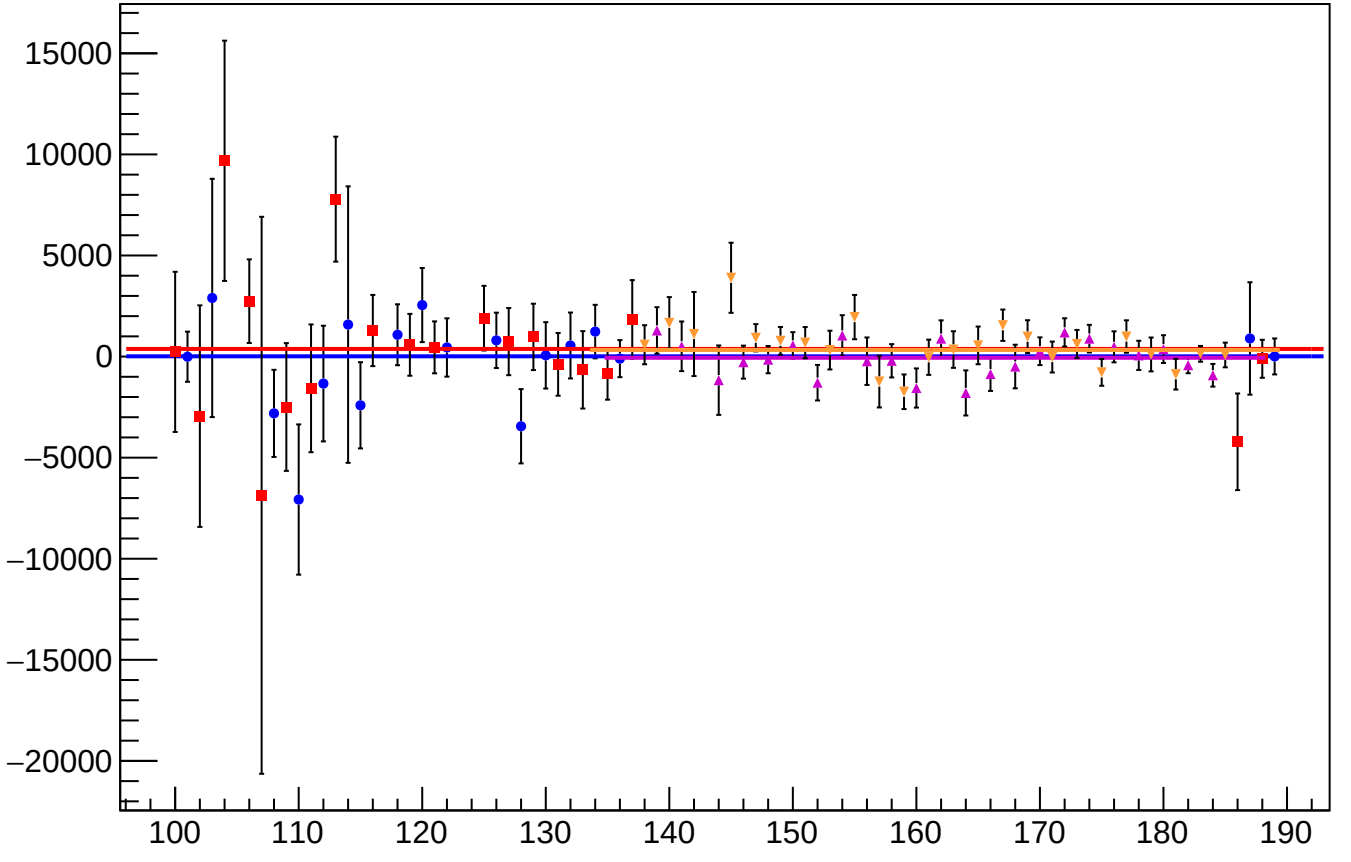
Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

+ sign 2416.768+/-0.333 χ^2/NDF: 300970.0/41

All: 2432.374+/-0.236 χ^2/NDF: 885458.5/84

- sign 2448.178+/-0.335 χ^2/NDF: 580062.3/42

asym_atl1_eigen_dit_correction_mean vs Slug



Right In: 12.934+/-370.716 χ^2/NDF: 14.6/17

Left Out: 325.955+/-160.042 χ^2/NDF:26.8/23

Right Out: 378.031+/-407.422 χ^2/NDF: 18.7/19

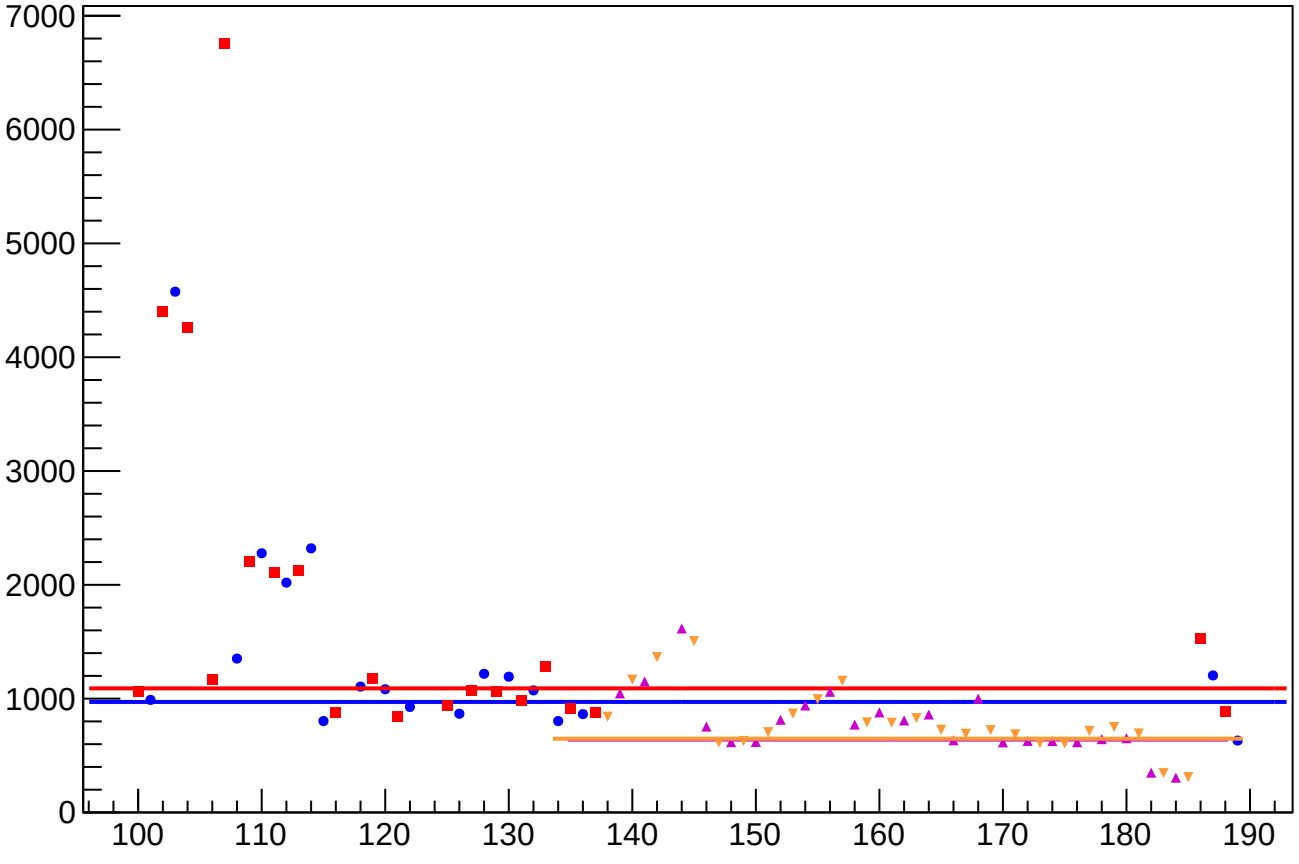
Left In: -59.619+/-159.670 χ^2/NDF:22.7/22

+ sign 276.781+/-146.934 χ^2/NDF: 42.0/41

All: 139.340+/-104.503 χ^2/NDF: 86.2/84

- sign -1.351+/-148.661 χ^2/NDF: 42.4/42

asym_atl1_eigen_dit_correction_rms vs Slug



Right In: 971.133+/-0.262 χ^2/NDF: 1898064.6/17

Left Out: 648.101+/-0.113 χ^2/NDF:3887001.9/23

Right Out: 1090.091+/-0.288 χ^2/NDF: 2708203.9/19

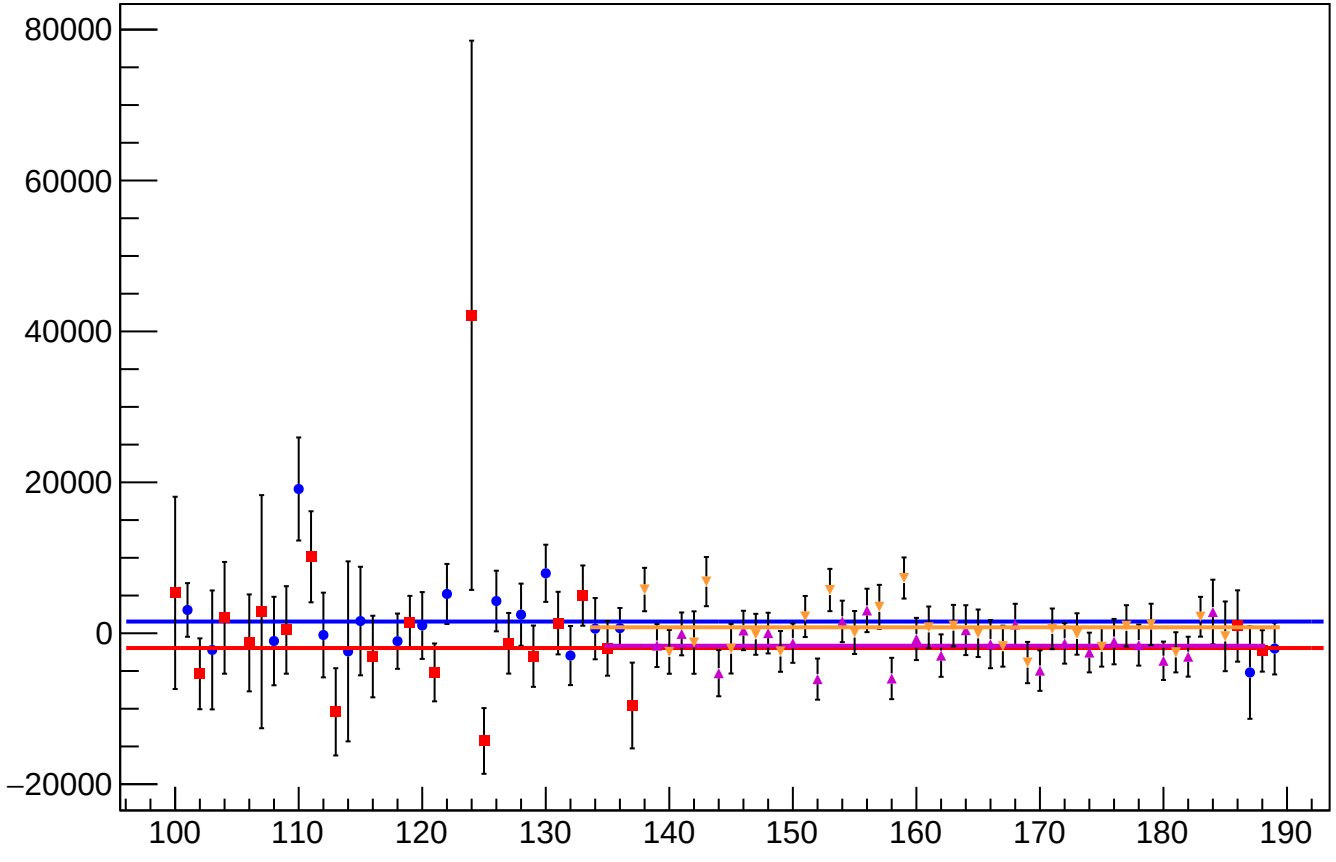
Left In: 640.423+/-0.113 χ^2/NDF:4128774.2/22

+ sign 698.848+/-0.104 χ^2/NDF: 7065082.1/41

All: 699.561+/-0.074 χ^2/NDF: 16014062.7/84

- sign 700.291+/-0.105 χ^2/NDF: 8948885.2/42

asym_atl1_mean vs Slug



Right In: 1552.559+/-1019.794 χ^2/NDF: 15.9/17

Left Out: 791.438+/-573.266 χ^2/NDF:27.1/24

Right Out: -1956.273+/-1025.299 χ^2/NDF: 24.7/20

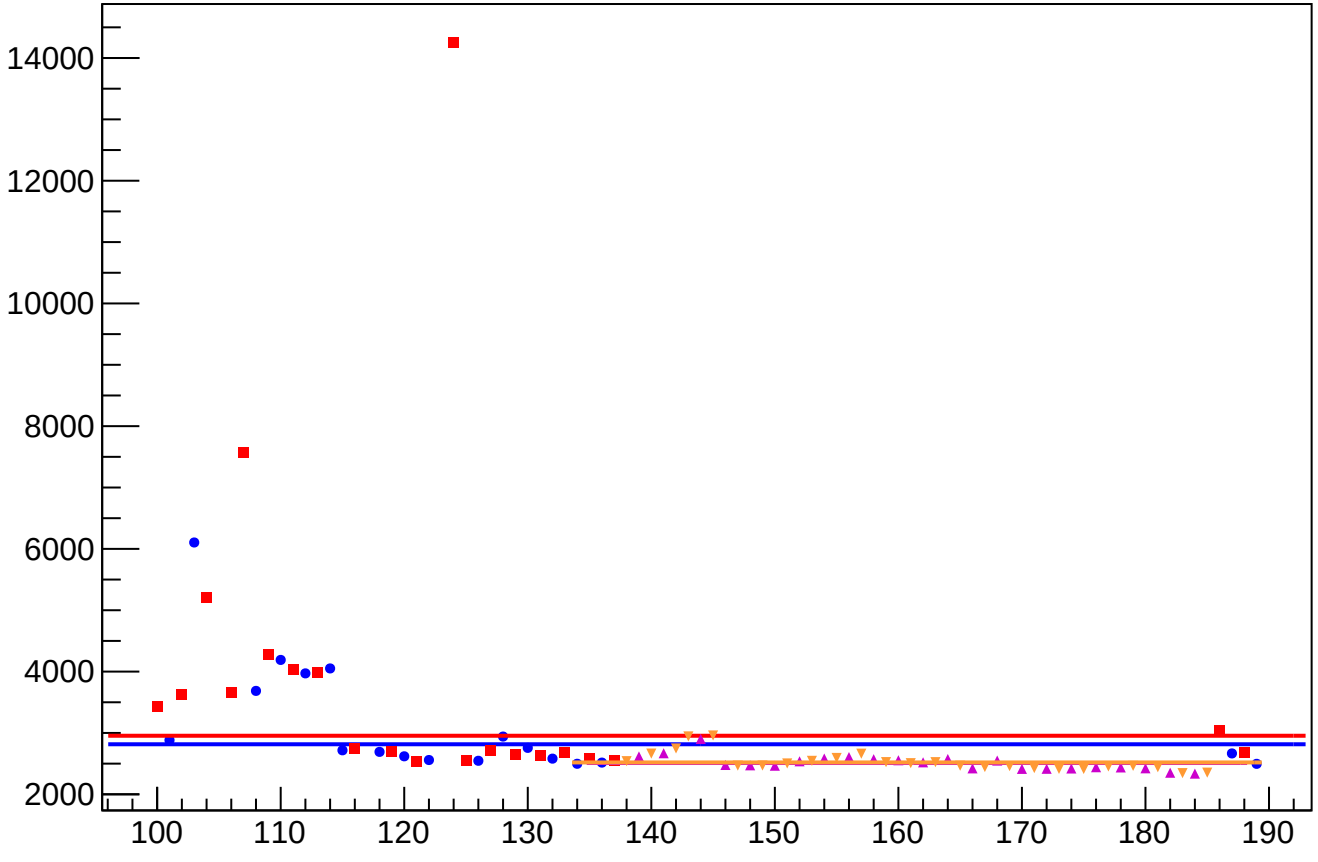
Left In: -1654.626+/-586.767 χ^2/NDF:17.3/22

+ sign 974.200+/-499.722 χ^2/NDF: 43.5/42

All: -351.851+/-356.684 χ^2/NDF: 100.0/86

- sign -1729.046+/-509.268 χ^2/NDF: 42.1/43

asym_atl1_rms vs Slug



Right In: 2815.614+/-0.721 χ^2/NDF: 669484.3/17

Left Out: 2519.516+/-0.405 χ^2/NDF:115204.3/24

Right Out: 2954.428+/-0.725 χ^2/NDF: 1001501.1/20

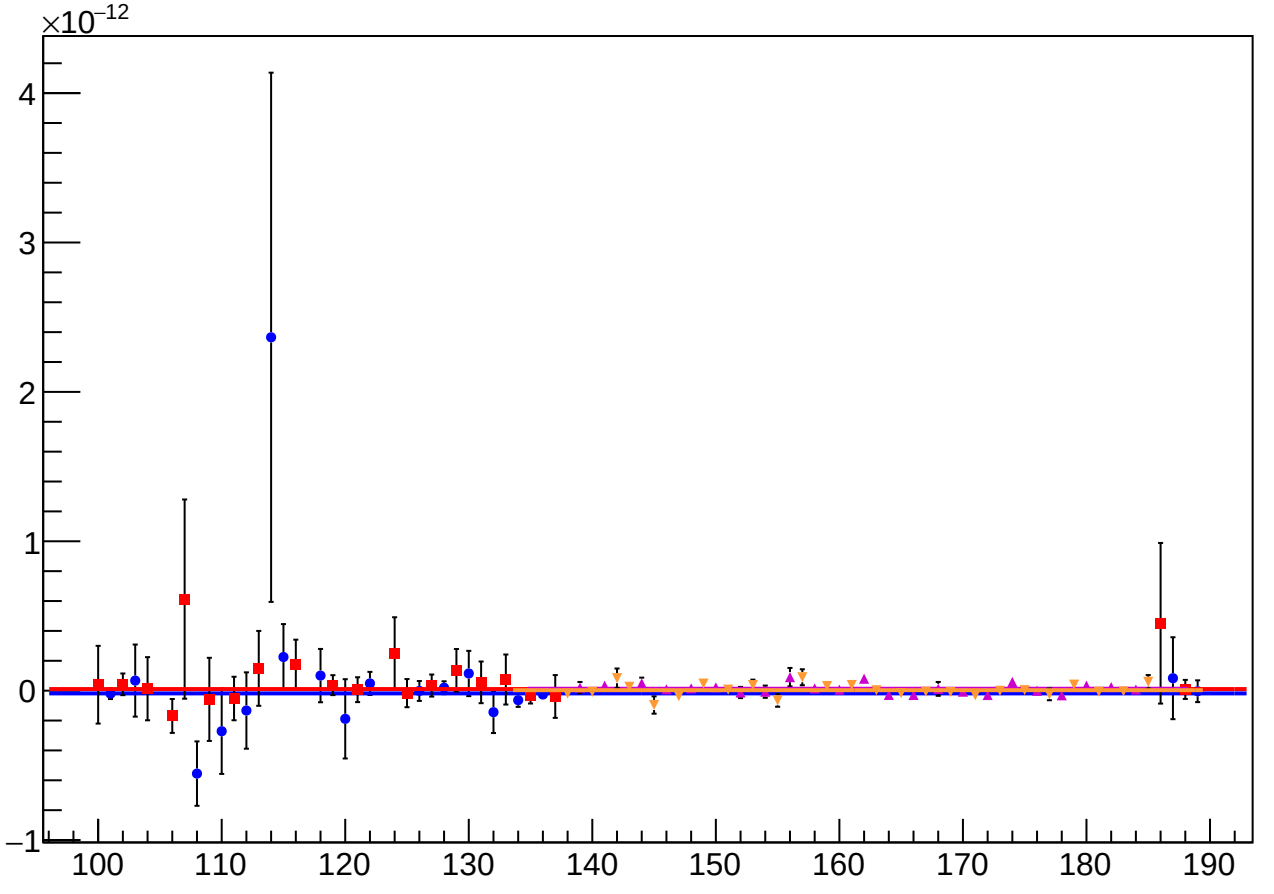
Left In: 2510.156+/-0.415 χ^2/NDF:73771.4/22

+ sign 2590.615+/-0.353 χ^2/NDF: 912809.8/42

All: 2604.914+/-0.252 χ^2/NDF: 2274290.8/86

- sign 2619.763+/-0.360 χ^2/NDF: 1358143.2/43

asym_atl1_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

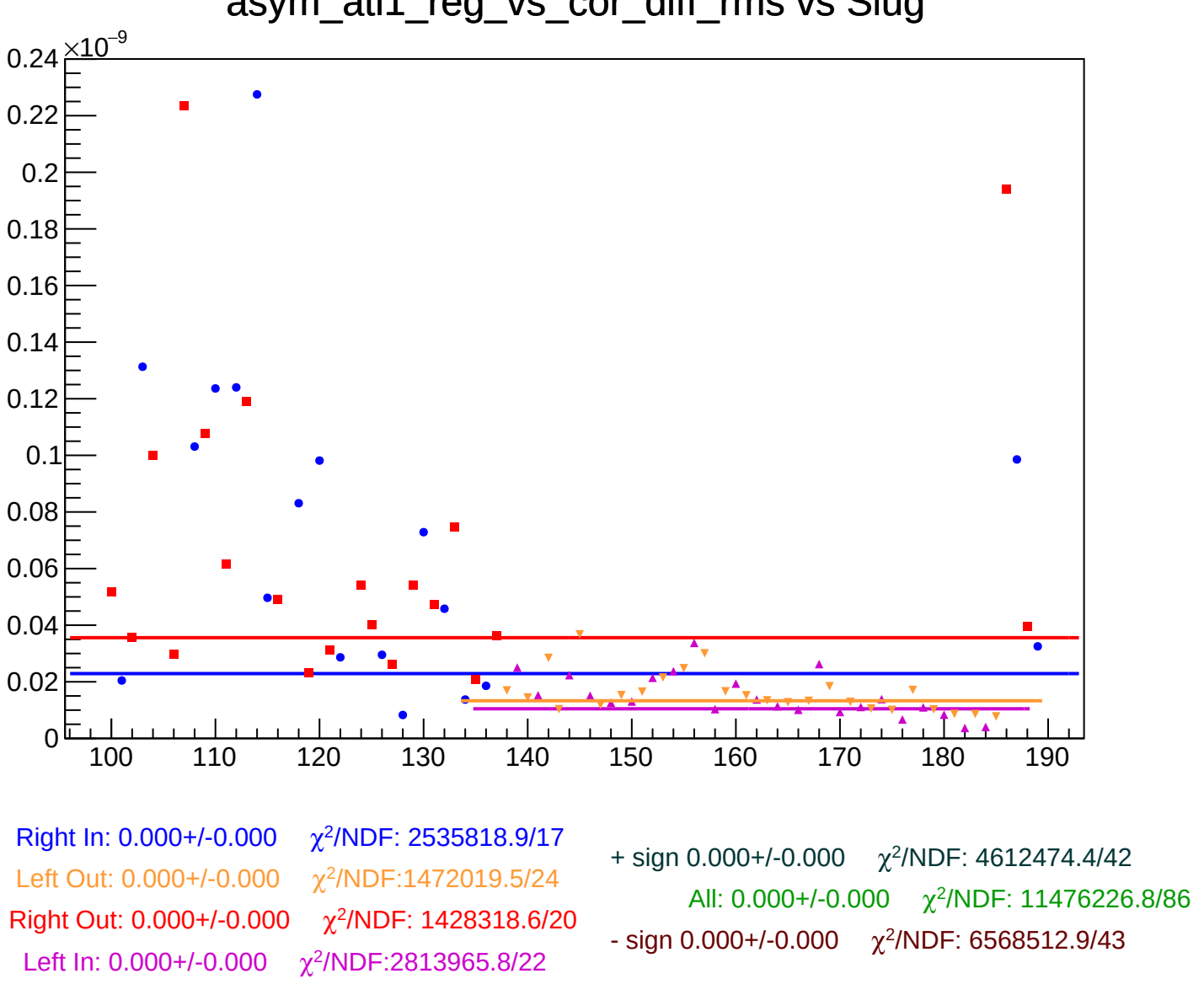
Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/20

Left In: 0.000+/-0.000 χ^2/NDF:32.3/22

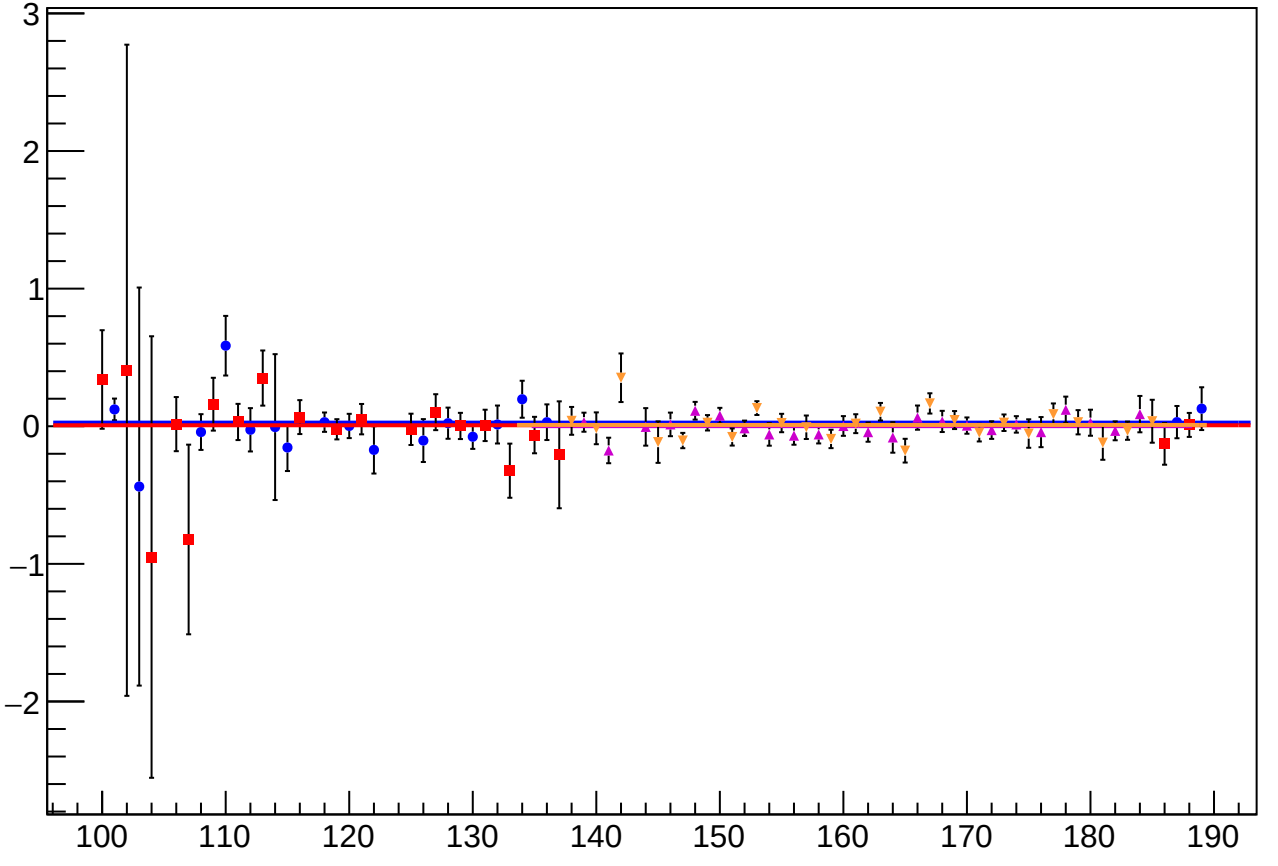
+ sign 0.000+/-0.000 χ^2/NDF: 45.9/42

All: 0.000+/-0.000 χ^2/NDF: 90.0/86

- sign 0.000+/-0.000 χ^2/NDF: 41.3/43


asym_atl1_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2535818.9/17
Left Out: 0.000+/-0.000 χ²/NDF:1472019.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 1428318.6/20
Left In: 0.000+/-0.000 χ²/NDF:2813965.8/22
+ sign 0.000+/-0.000 χ²/NDF: 4612474.4/42
All: 0.000+/-0.000 χ²/NDF: 11476226.8/86
- sign 0.000+/-0.000 χ²/NDF: 6568512.9/43

asym_atl1_dit_vs_cor_diff_mean vs Slug



Right In: 0.026+/-0.029 χ^2/NDF: 15.2/17

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.007+/-0.031 χ^2/NDF: 11.7/19

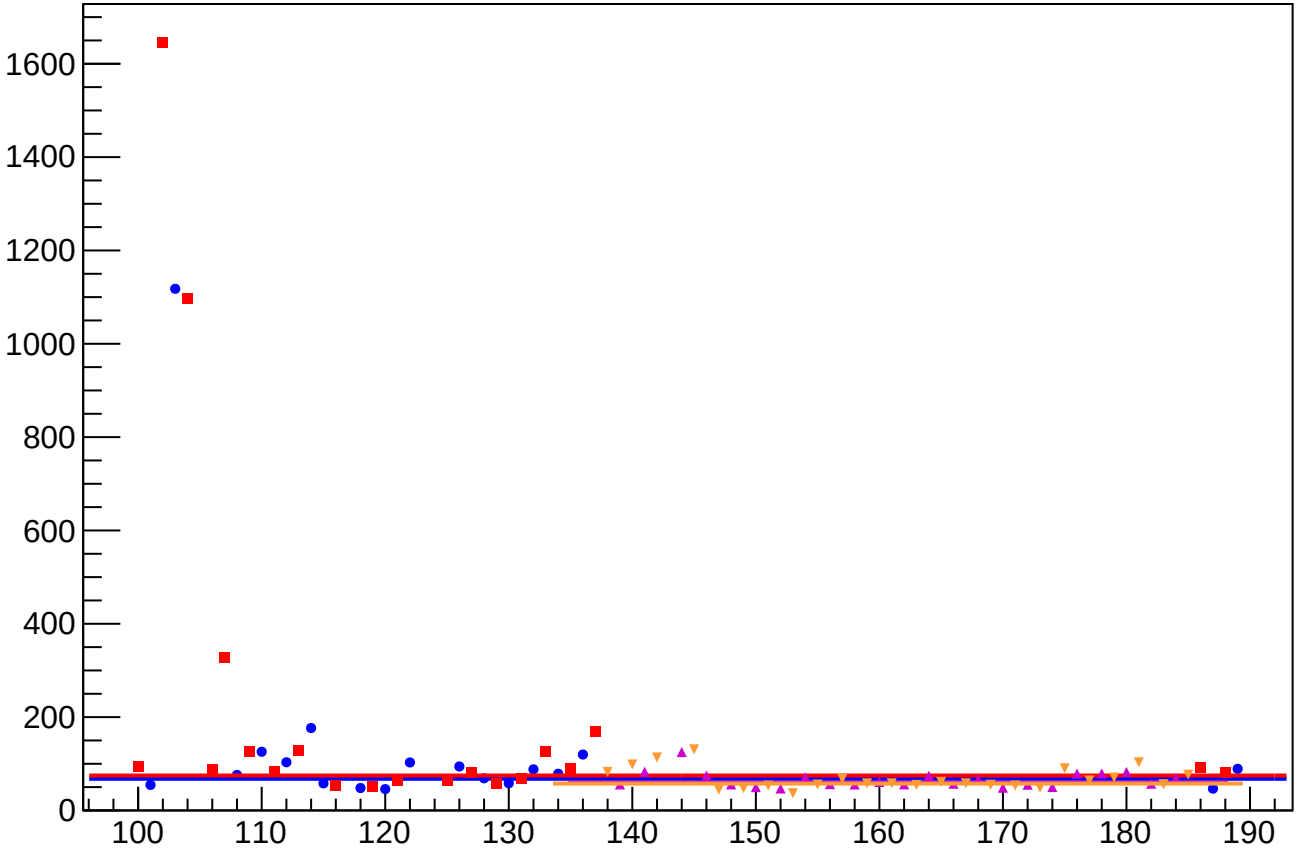
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.013+/-0.013 χ^2/NDF: 50.2/41

All: 0.008+/-0.010 χ^2/NDF: 77.8/84

- sign 0.002+/-0.014 χ^2/NDF: 27.3/42

asym_atl1_dit_vs_cor_diff_rms vs Slug



Right In: 67.838+/-0.020 χ^2/NDF: 2381643.5/17

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 74.881+/-0.022 χ^2/NDF: 2957815.7/19

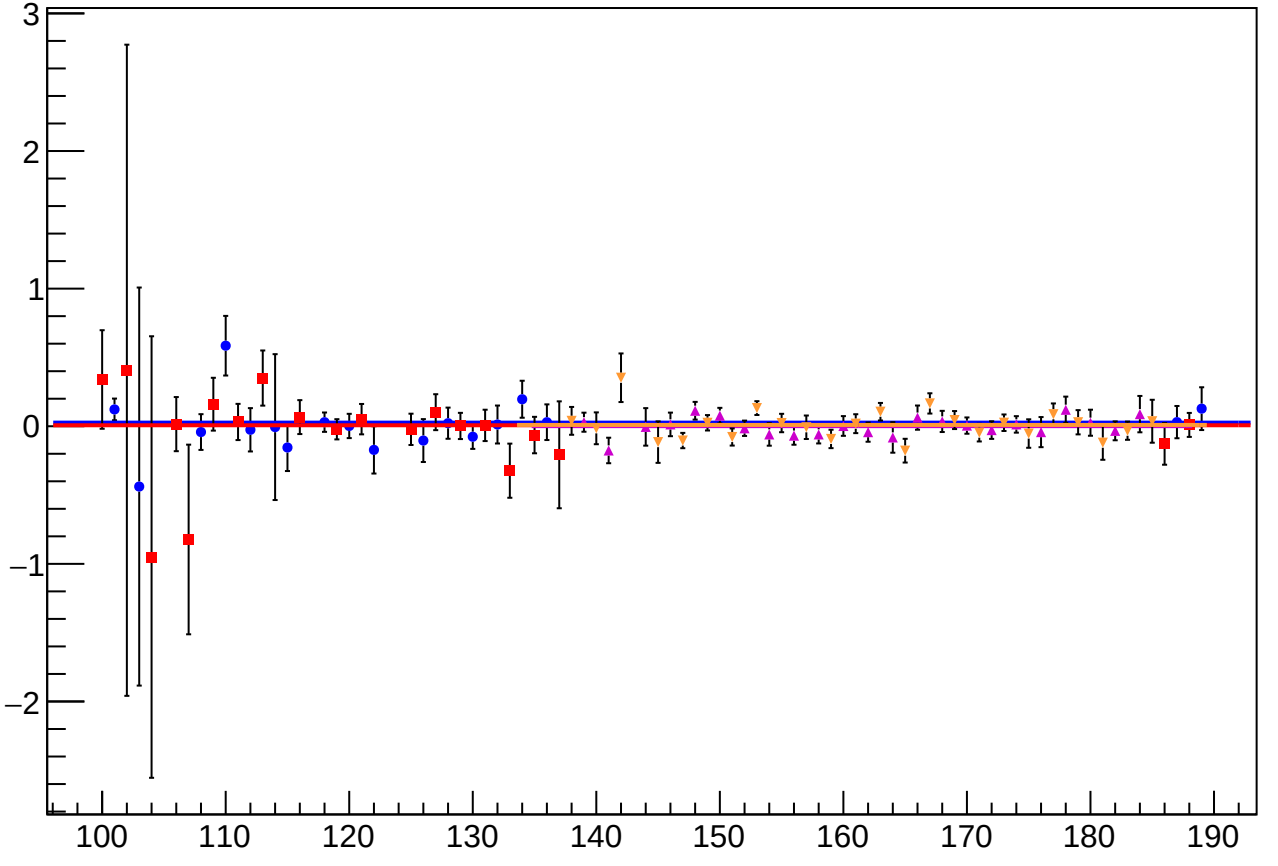
Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

+ sign 59.826+/-0.009 χ^2/NDF: 4793854.3/41

All: 61.311+/-0.007 χ^2/NDF: 9528564.8/84

- sign 62.898+/-0.010 χ^2/NDF: 4683660.4/42

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.026+/-0.029 χ^2/NDF: 15.2/17

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.007+/-0.031 χ^2/NDF: 11.7/19

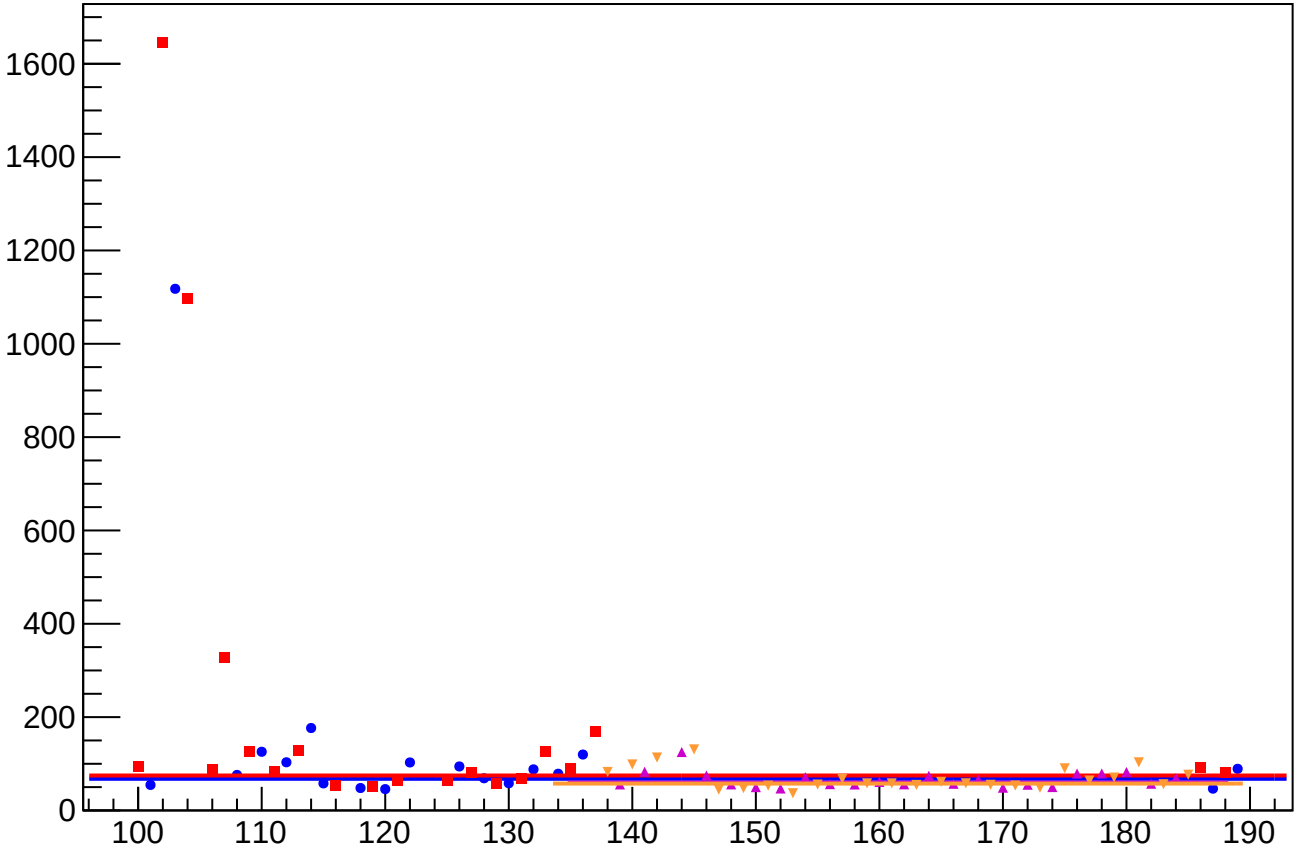
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.013+/-0.013 χ^2/NDF: 50.2/41

All: 0.008+/-0.010 χ^2/NDF: 77.8/84

- sign 0.002+/-0.014 χ^2/NDF: 27.3/42

asym_atl1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 67.838+/-0.020 χ^2/NDF: 2381643.5/17

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 74.881+/-0.022 χ^2/NDF: 2957815.7/19

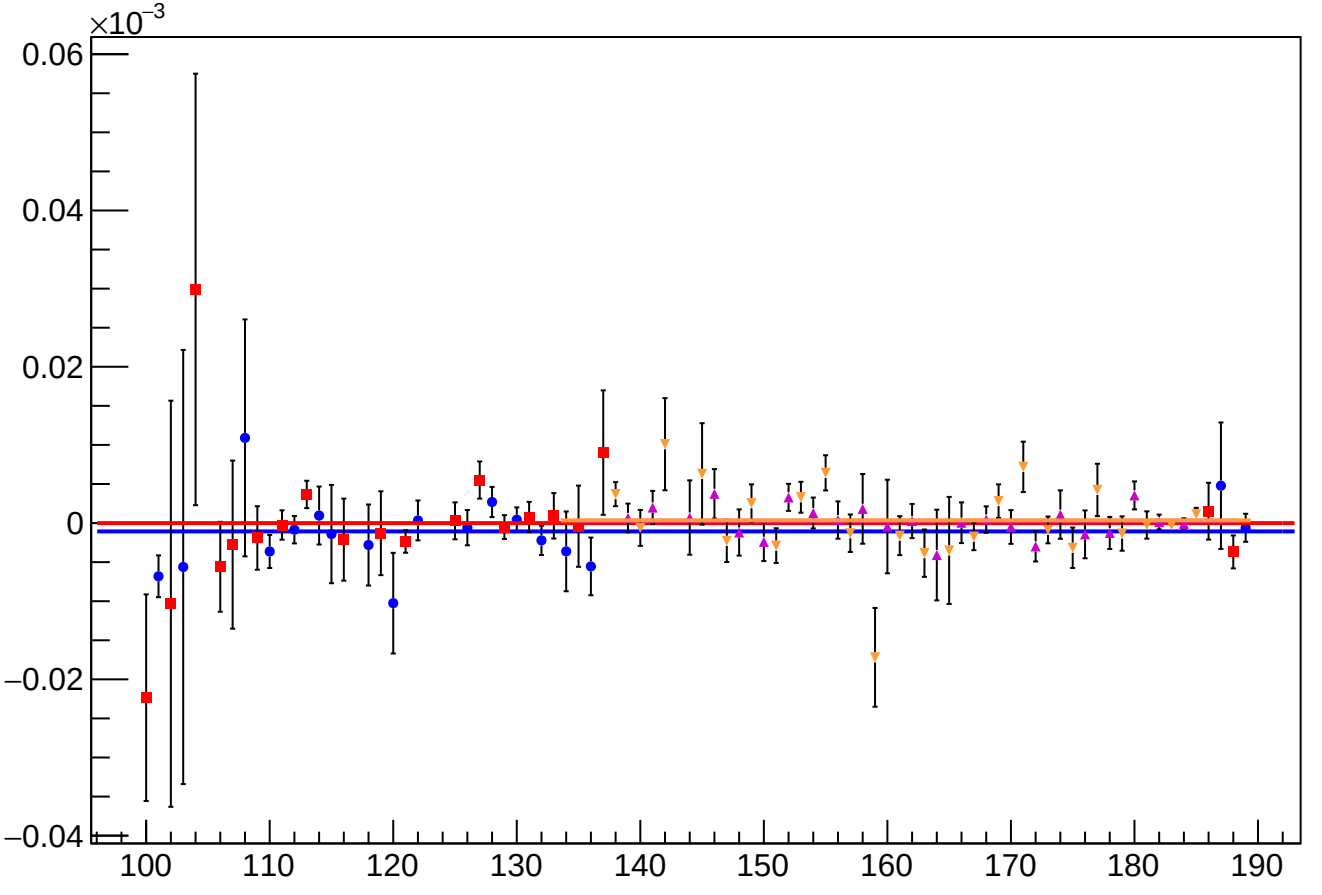
Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

+ sign 59.826+/-0.009 χ^2/NDF: 4793854.3/41

All: 61.311+/-0.007 χ^2/NDF: 9528564.8/84

- sign 62.898+/-0.010 χ^2/NDF: 4683660.4/42

asym_atl1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:46.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/19

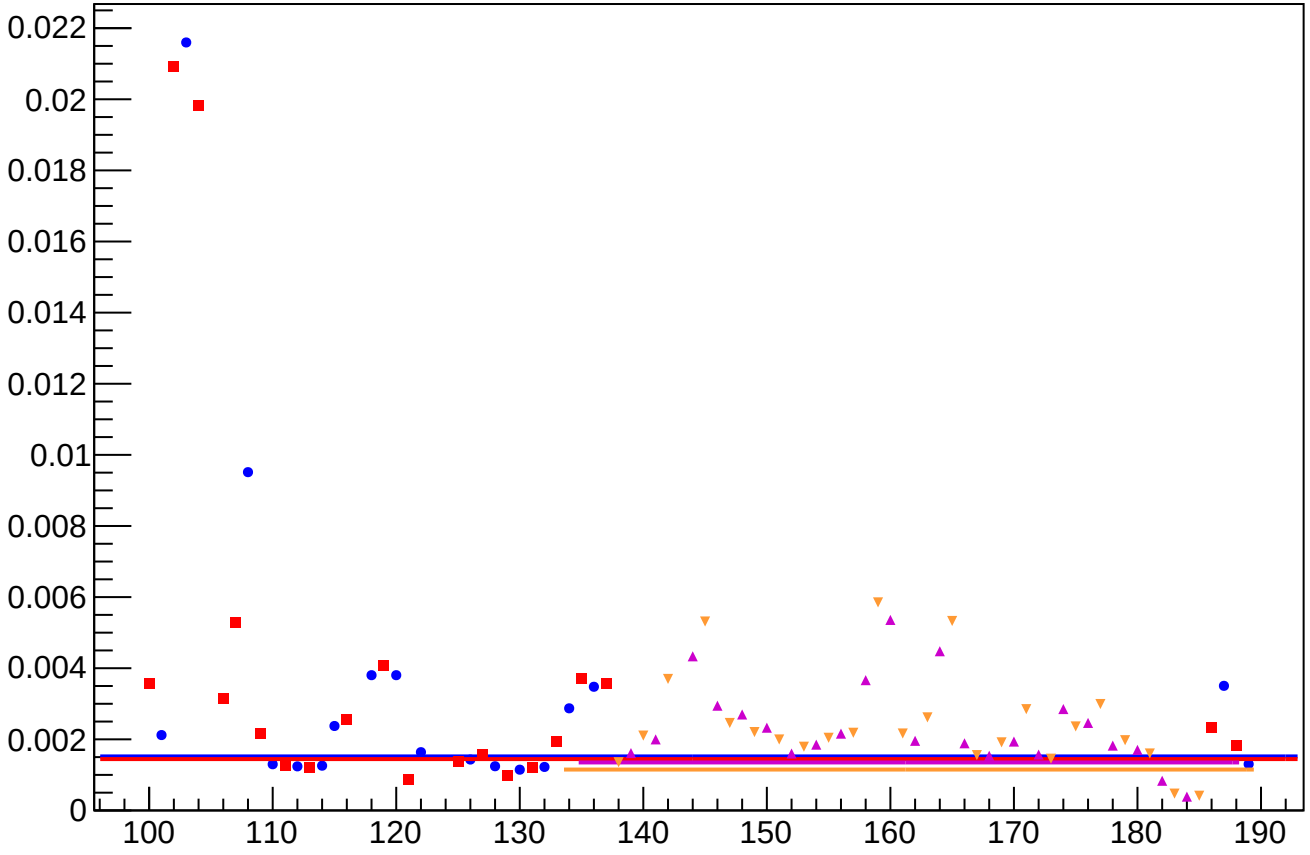
Left In: 0.000+/-0.000 χ^2/NDF:14.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.6/41

All: 0.000+/-0.000 χ^2/NDF: 105.9/84

- sign 0.000+/-0.000 χ^2/NDF: 38.1/42

asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 3524454.5/17

Left Out: 0.001+/-0.000 χ^2/NDF:13242273.9/23

Right Out: 0.001+/-0.000 χ^2/NDF: 4470090.5/19

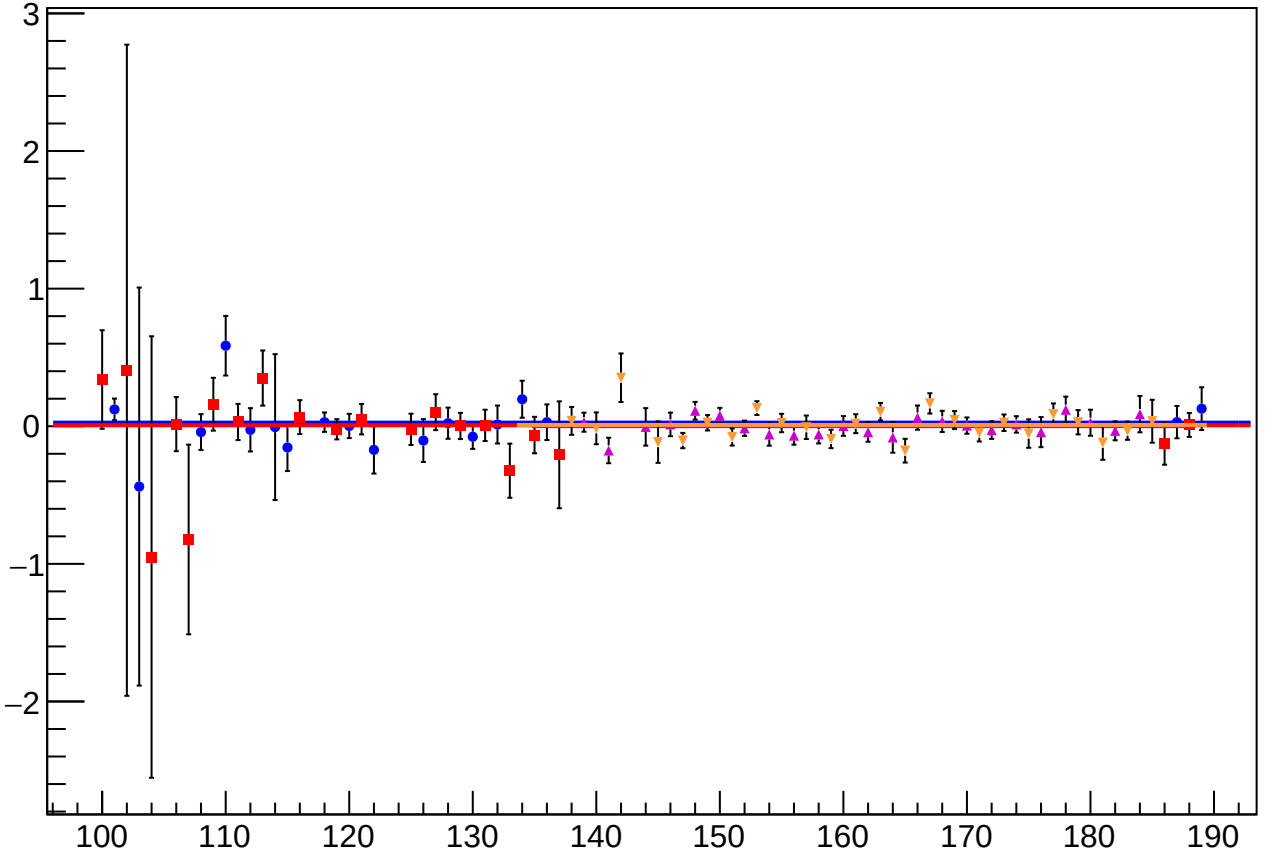
Left In: 0.001+/-0.000 χ^2/NDF:10247159.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 17309745.3/41

All: 0.001+/-0.000 χ^2/NDF: 32269304.4/84

- sign 0.001+/-0.000 χ^2/NDF: 14752625.7/42

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.026+/-0.029 χ^2/NDF: 15.2/17

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.007+/-0.031 χ^2/NDF: 11.7/19

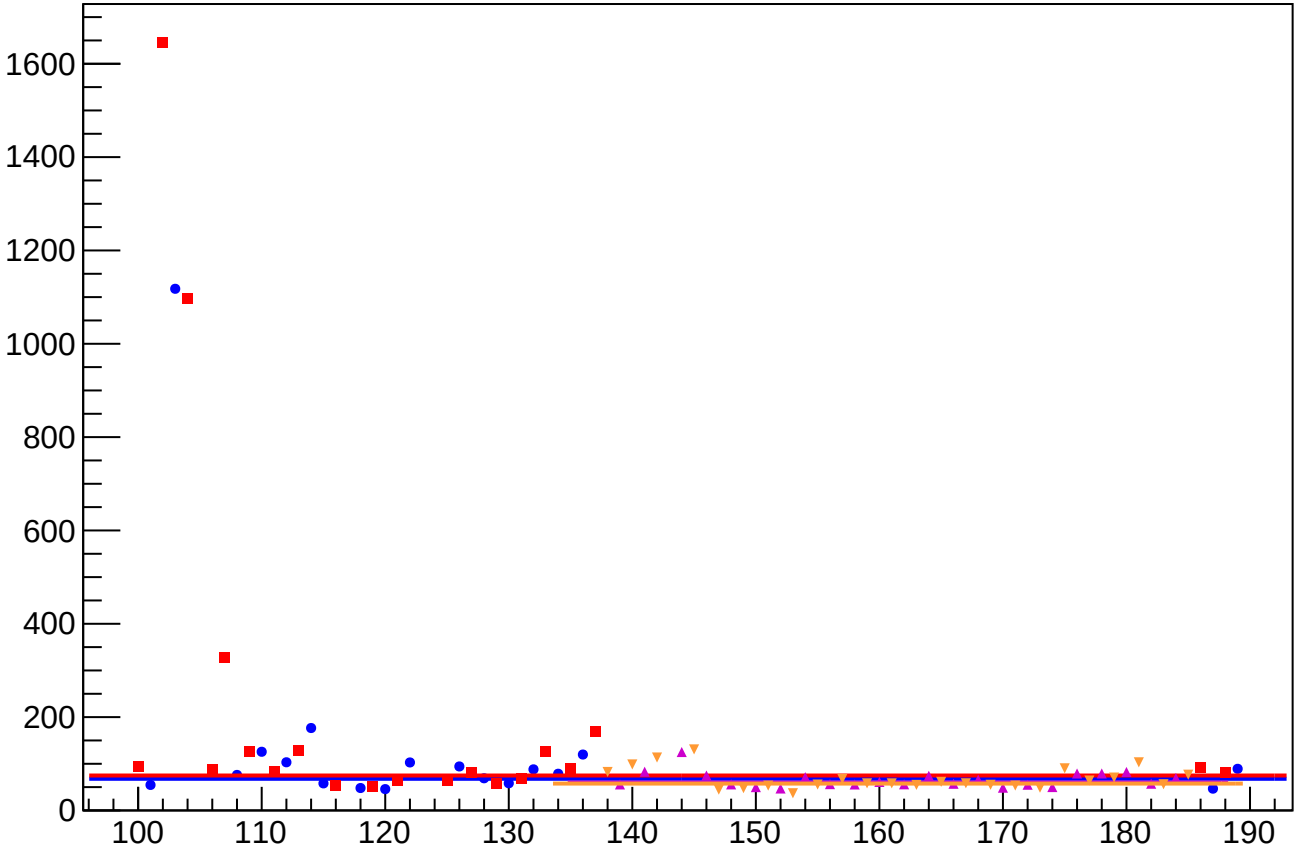
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.013+/-0.013 χ^2/NDF: 50.2/41

All: 0.008+/-0.010 χ^2/NDF: 77.8/84

- sign 0.002+/-0.014 χ^2/NDF: 27.3/42

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 67.837+/-0.020 χ^2/NDF: 2381732.5/17

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 74.880+/-0.022 χ^2/NDF: 2957828.4/19

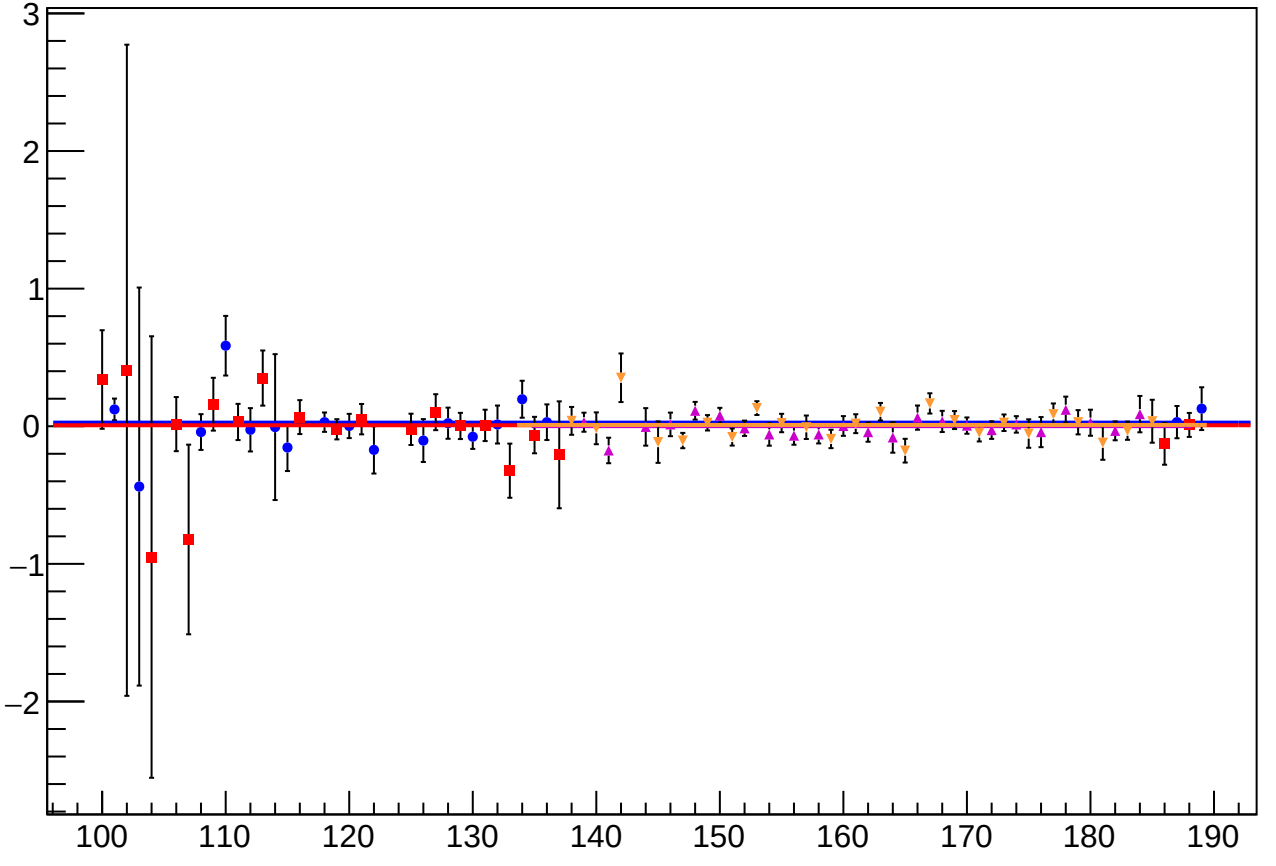
Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

+ sign 59.826+/-0.009 χ^2/NDF: 4793983.2/41

All: 61.311+/-0.007 χ^2/NDF: 9528664.7/84

- sign 62.898+/-0.010 χ^2/NDF: 4683623.9/42

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.026+/-0.029 χ^2/NDF: 15.2/17

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.007+/-0.031 χ^2/NDF: 11.7/19

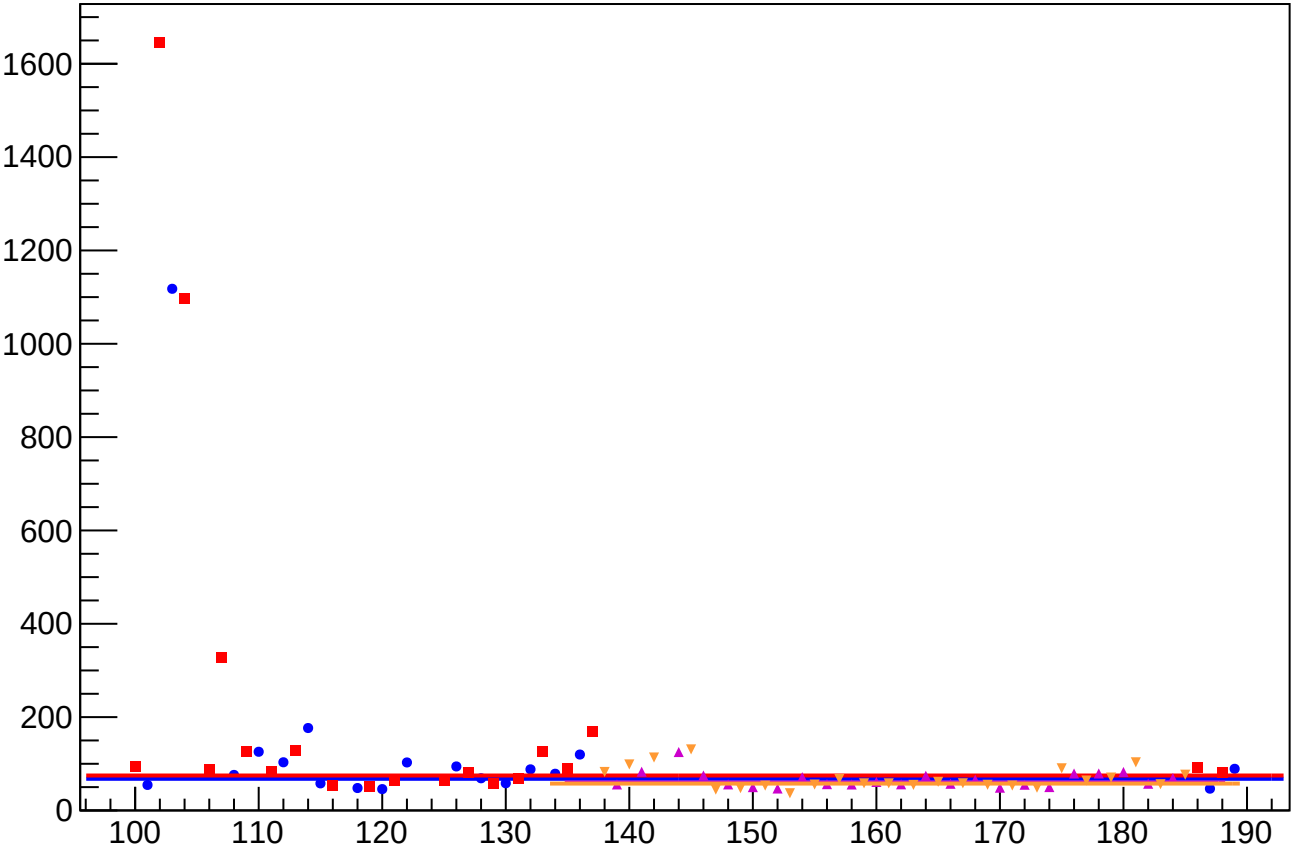
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.013+/-0.013 χ^2/NDF: 50.2/41

All: 0.008+/-0.010 χ^2/NDF: 77.8/84

- sign 0.002+/-0.014 χ^2/NDF: 27.3/42

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 67.837+/-0.020 χ^2/NDF: 2381732.5/17

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 74.880+/-0.022 χ^2/NDF: 2957828.4/19

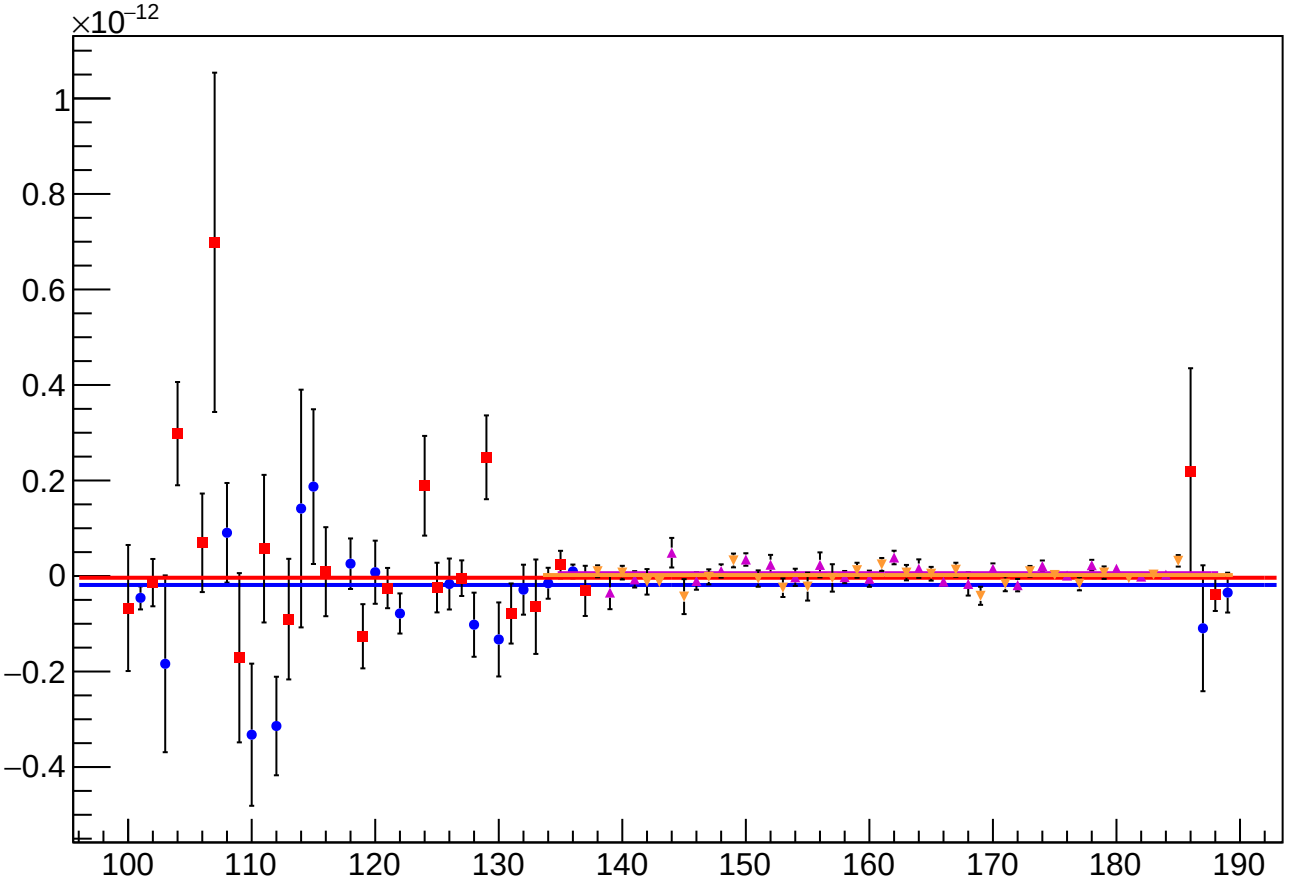
Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

+ sign 59.826+/-0.009 χ^2/NDF: 4793983.2/41

All: 61.311+/-0.007 χ^2/NDF: 9528664.7/84

- sign 62.898+/-0.010 χ^2/NDF: 4683623.9/42

asym_atl1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 28.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:31.9/24

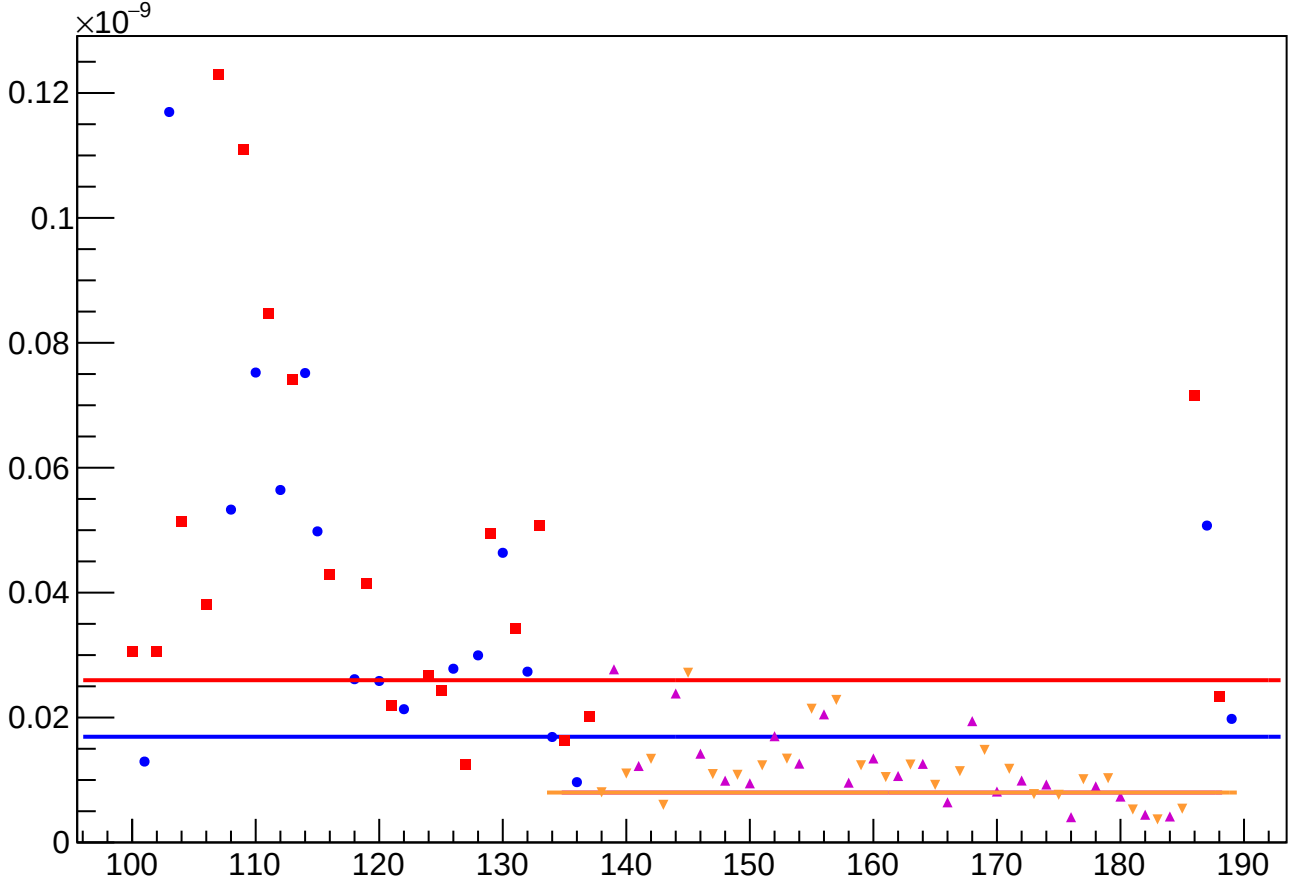
Right Out: -0.000+/-0.000 χ^2/NDF: 34.5/20

Left In: 0.000+/-0.000 χ^2/NDF:32.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 65.1/42

All: 0.000+/-0.000 χ^2/NDF: 134.6/86

- sign 0.000+/-0.000 χ^2/NDF: 67.6/43



Right In: 0.000+/-0.000 χ^2/NDF: 2966955.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:4887759.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2448901.9/20

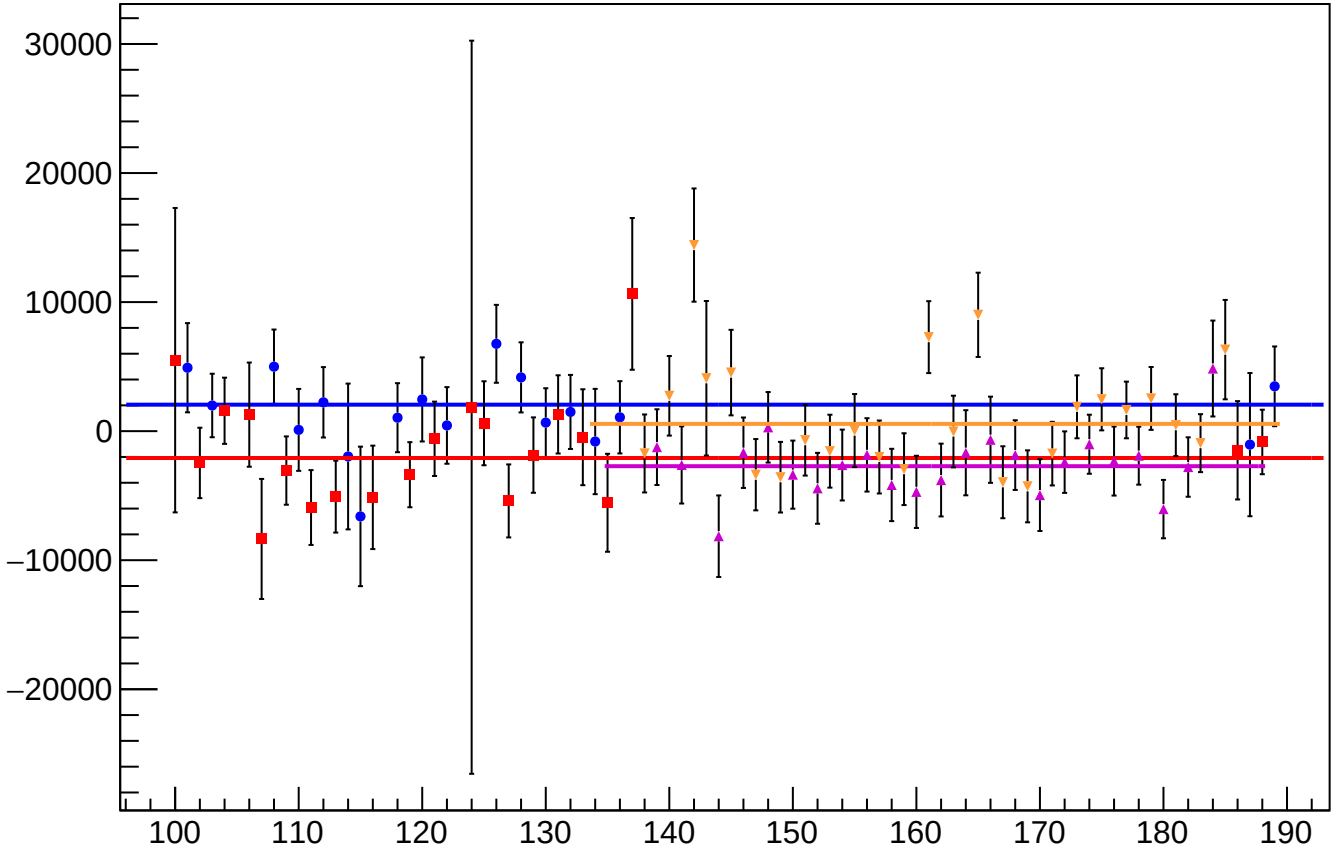
Left In: 0.000+/-0.000 χ^2/NDF:5188583.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 9452086.5/42

All: 0.000+/-0.000 χ^2/NDF: 20698195.5/86

- sign 0.000+/-0.000 χ^2/NDF: 11244269.1/43

reg_asym_atl2_mean vs Slug



Right In: 2050.932+/-735.442 χ^2/NDF: 10.1/17

Left Out: 562.390+/-557.316 χ^2/NDF:43.9/24

Right Out: -2080.078+/-711.015 χ^2/NDF: 18.4/20

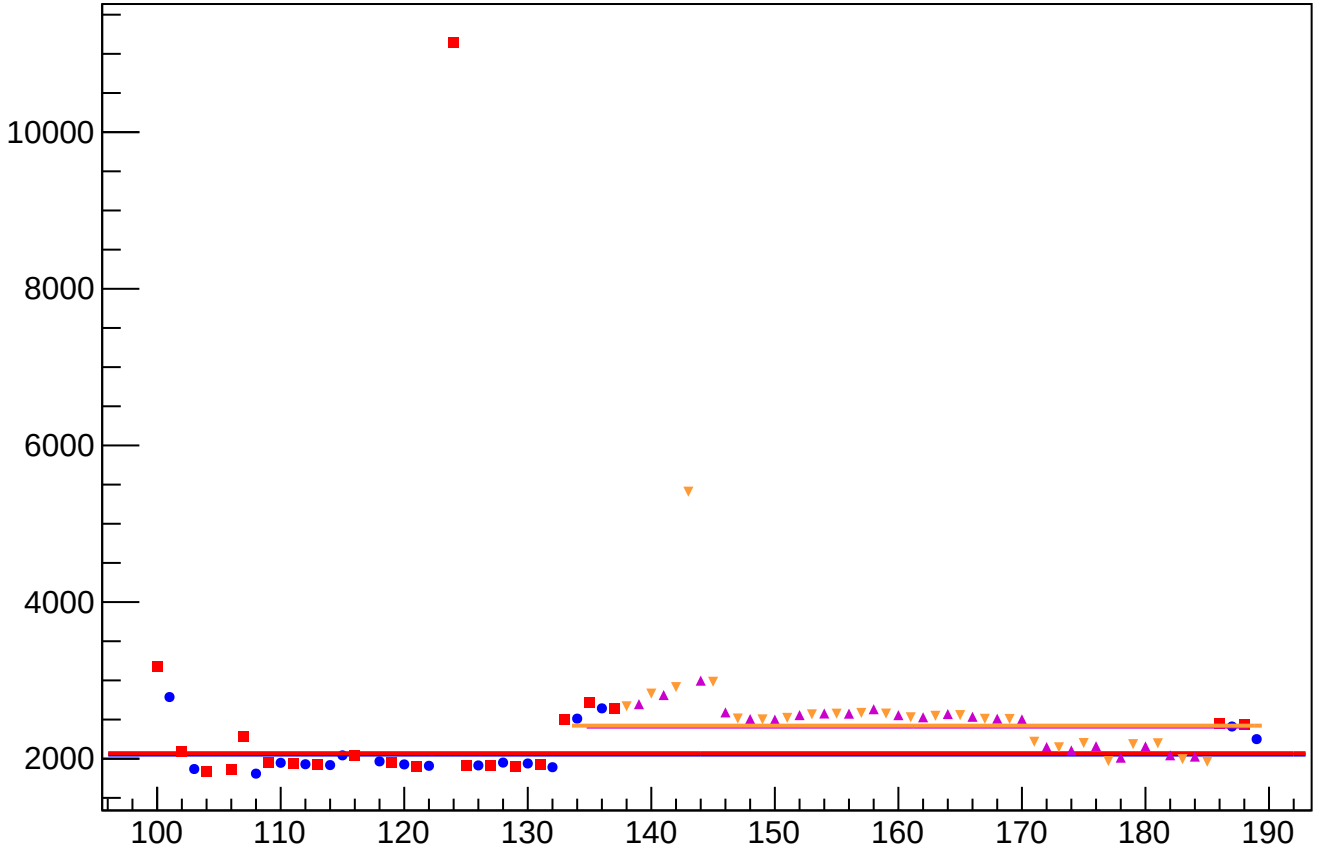
Left In: -2716.200+/-566.202 χ^2/NDF:14.3/22

+ sign 1105.381+/-444.185 χ^2/NDF: 56.7/42

All: -687.075+/-313.638 χ^2/NDF: 122.4/86

- sign -2469.348+/-442.921 χ^2/NDF: 33.2/43

reg_asym_atl2_rms vs Slug



Right In: 2053.020+/-0.520 χ^2/NDF: 280655.7/17

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2070.494+/-0.503 χ^2/NDF: 462712.7/20

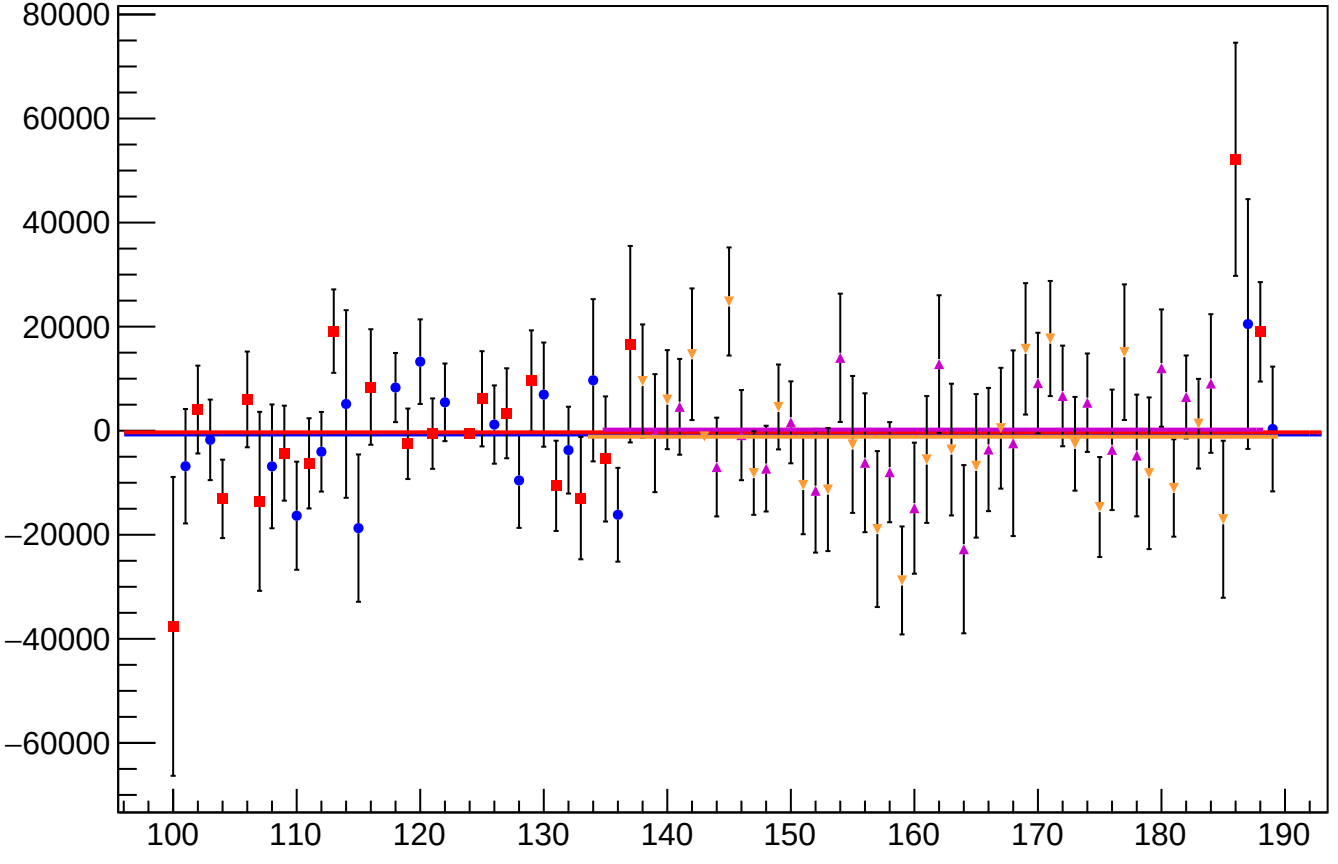
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2287.500+/-0.314 χ^2/NDF: 1553565.4/42

All: 2282.807+/-0.222 χ^2/NDF: 2723838.7/86

- sign 2278.142+/-0.313 χ^2/NDF: 1169828.2/43

asym_atl2_reg_correction_mean vs Slug



Right In: -721.465+/-2228.803 χ^2/NDF: 16.1/17

Left Out: -1158.214+/-757.797 χ^2/NDF:31.9/24

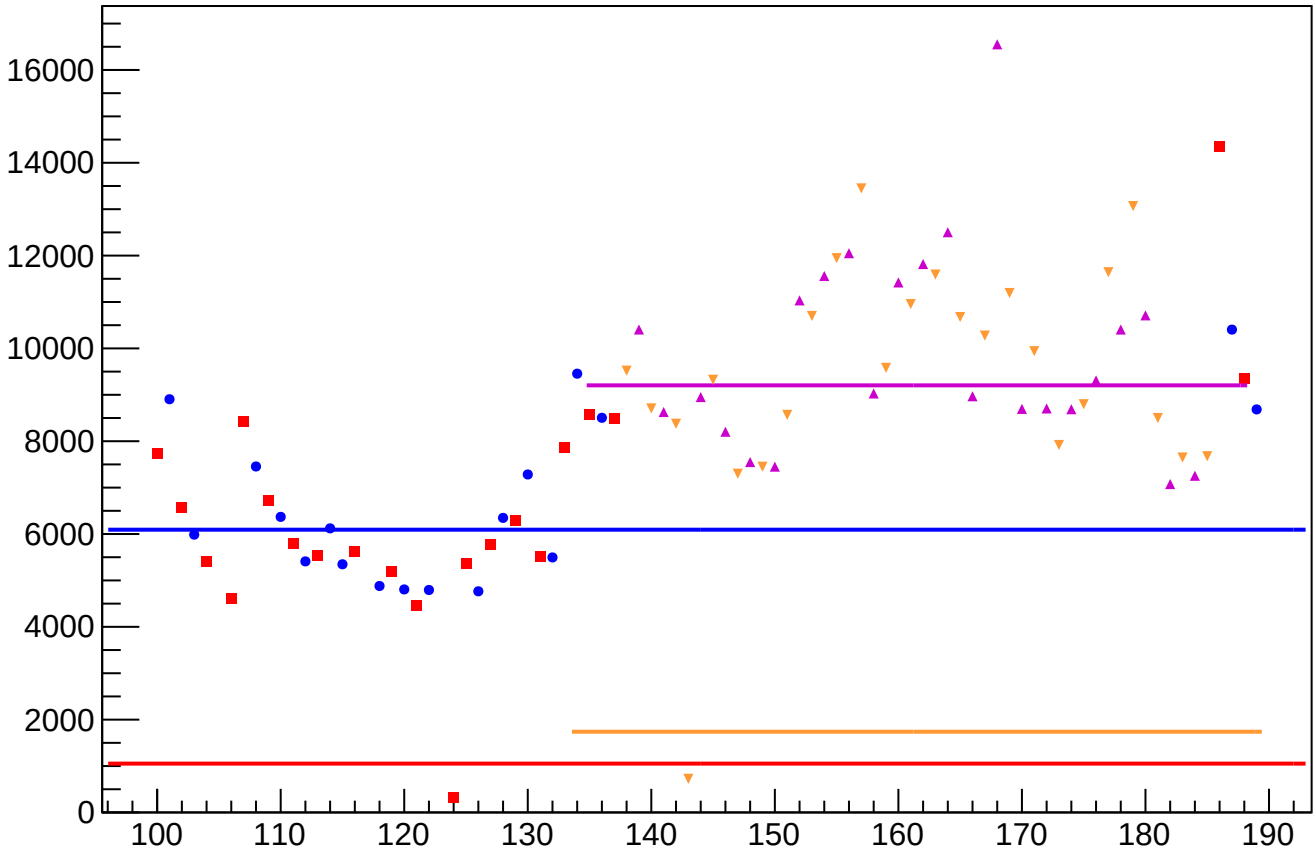
Right Out: -310.753+/-765.368 χ^2/NDF: 28.1/20

Left In: 209.655+/-2195.058 χ^2/NDF:13.4/22

+ sign -1112.957+/-717.461 χ^2/NDF: 48.1/42

All: -686.770+/-509.162 χ^2/NDF: 90.4/86

- sign -254.342+/-722.696 χ^2/NDF: 41.5/43



Right In: 6093.256+/-1.576 χ^2/NDF: 854028.5/17

Left Out: 1739.692+/-0.536 χ^2/NDF:27734045.9/24

Right Out: 1052.591+/-0.541 χ^2/NDF: 13644799.3/20

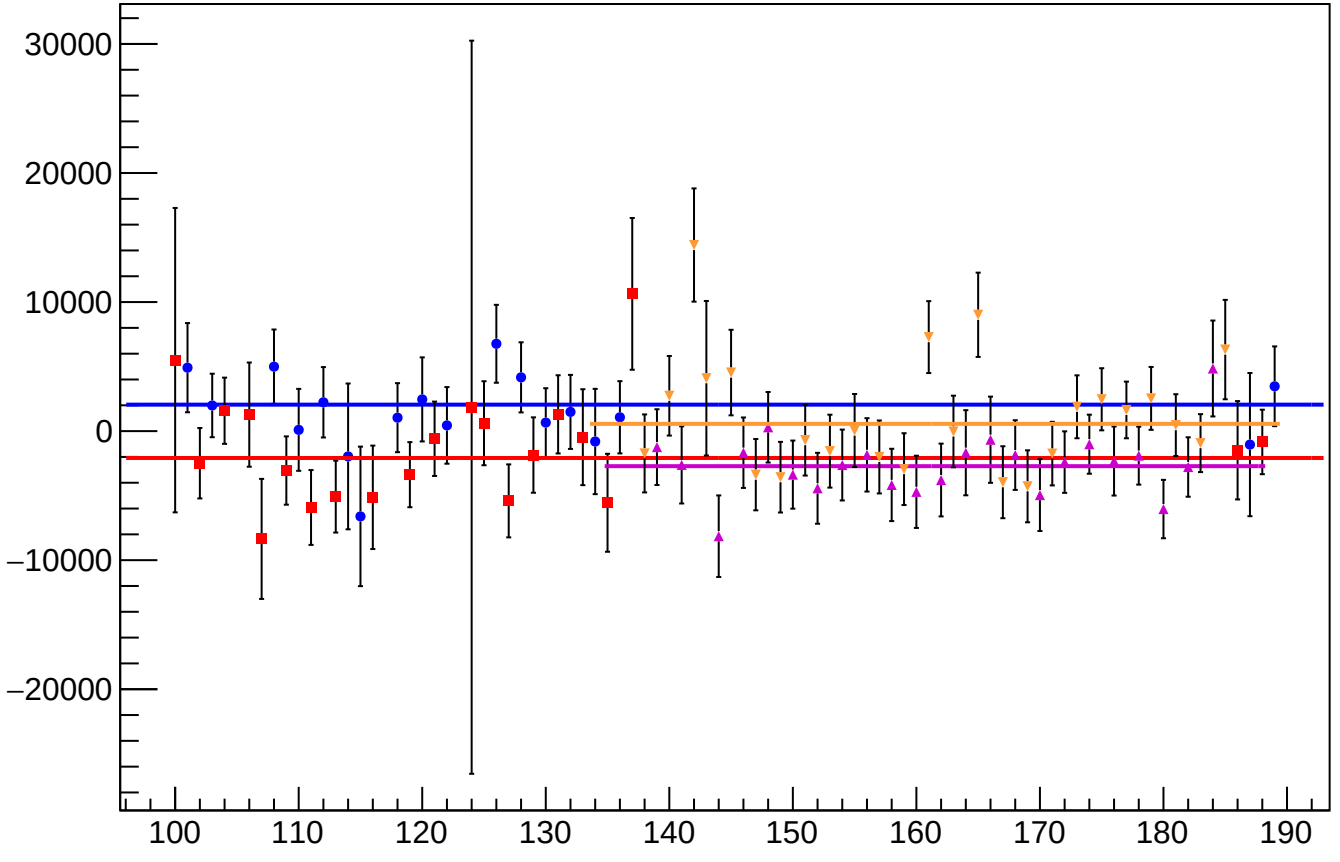
Left In: 9203.758+/-1.552 χ^2/NDF:1272066.5/22

+ sign 2190.818+/-0.507 χ^2/NDF: 35428253.2/42

All: 2064.413+/-0.360 χ^2/NDF: 75059641.4/8

- sign 1936.157+/-0.511 χ^2/NDF: 39506315.9/43

cor_asym_atl2_mean vs Slug



Right In: 2051.100+/-735.442 χ^2/NDF: 10.1/17

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: -2081.698+/-711.021 χ^2/NDF: 18.4/20

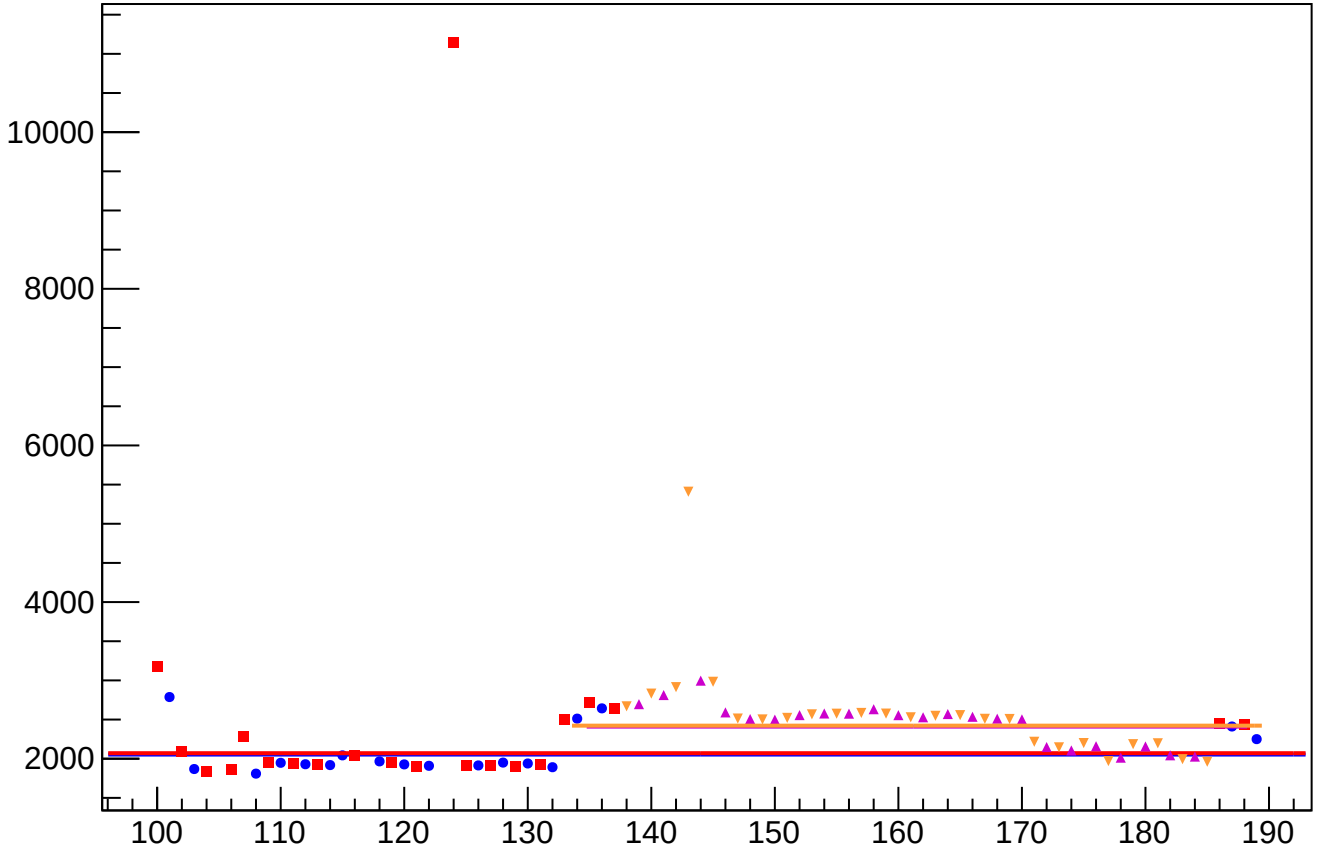
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1105.443+/-444.185 χ^2/NDF: 56.7/42

All: -687.343+/-313.639 χ^2/NDF: 122.4/86

- sign -2469.957+/-442.923 χ^2/NDF: 33.2/43

cor_asym_atl2_rms vs Slug



Right In: 2053.020+/-0.520 χ^2/NDF: 280655.5/17

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2070.514+/-0.503 χ^2/NDF: 462716.8/20

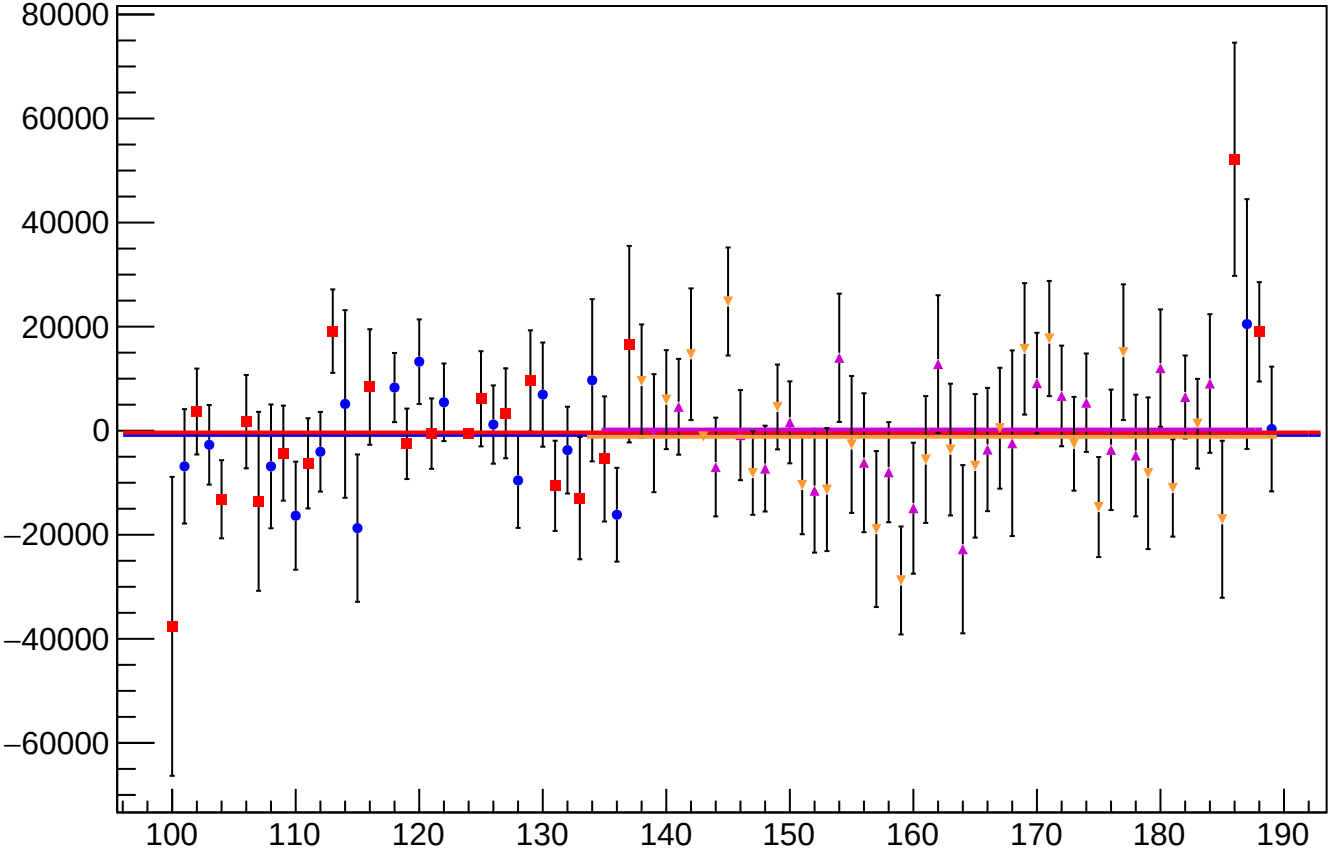
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2287.500+/-0.314 χ^2/NDF: 1553565.5/42

All: 2282.812+/-0.222 χ^2/NDF: 2723806.4/86

- sign 2278.151+/-0.313 χ^2/NDF: 1169796.6/43

asym_atl2_cor_correction_mean vs Slug



Right In: -805.550+/-2226.603 χ^2/NDF: 16.2/17

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: -343.978+/-765.032 χ^2/NDF: 27.7/20

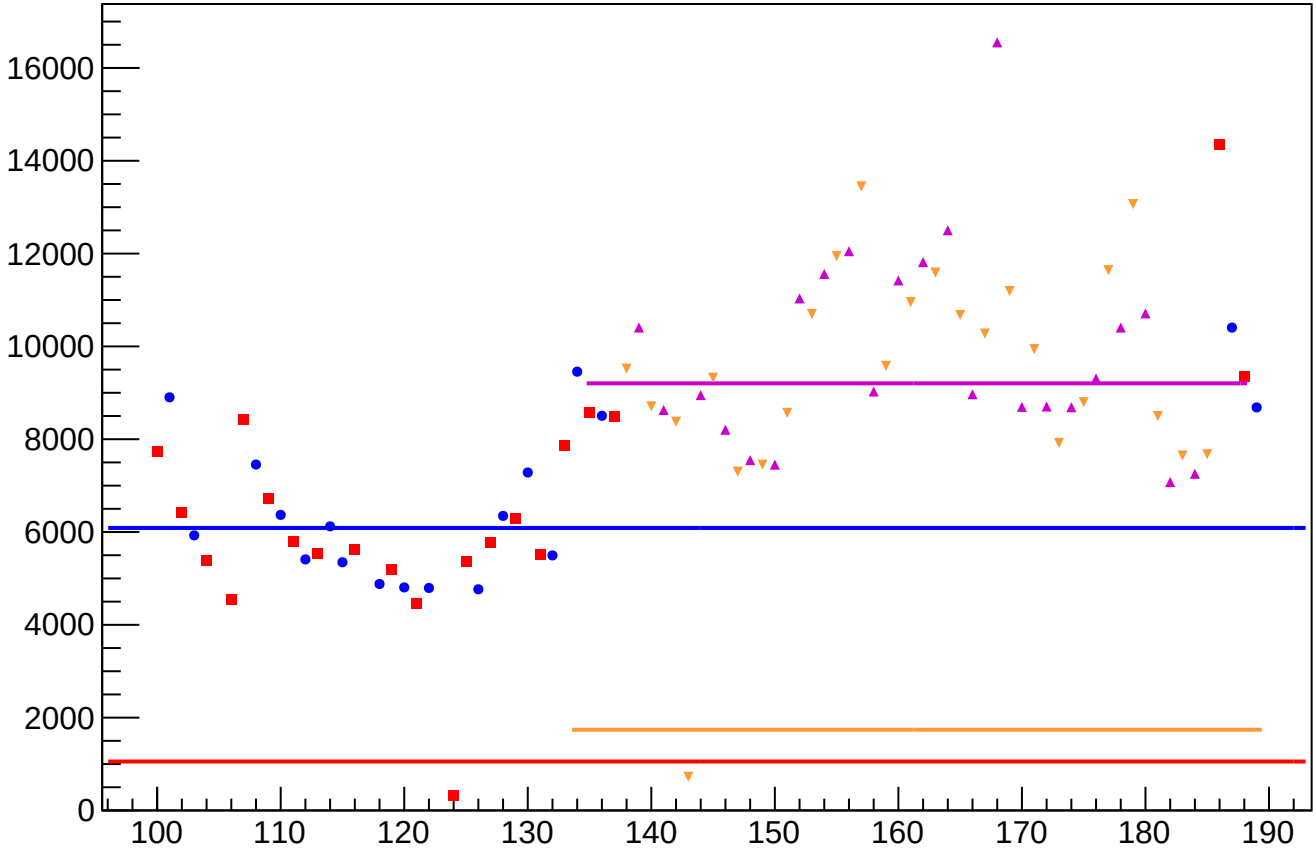
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

+ sign -1121.396+/-717.333 χ^2/NDF: 48.1/42

All: -705.667+/-509.018 χ^2/NDF: 90.0/86

- sign -284.029+/-722.413 χ^2/NDF: 41.1/43

asym_atl2_cor_correction_rms vs Slug



Right In: 6088.054+/-1.574 χ^2/NDF: 854443.1/17

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1054.245+/-0.541 χ^2/NDF: 13640155.3/20

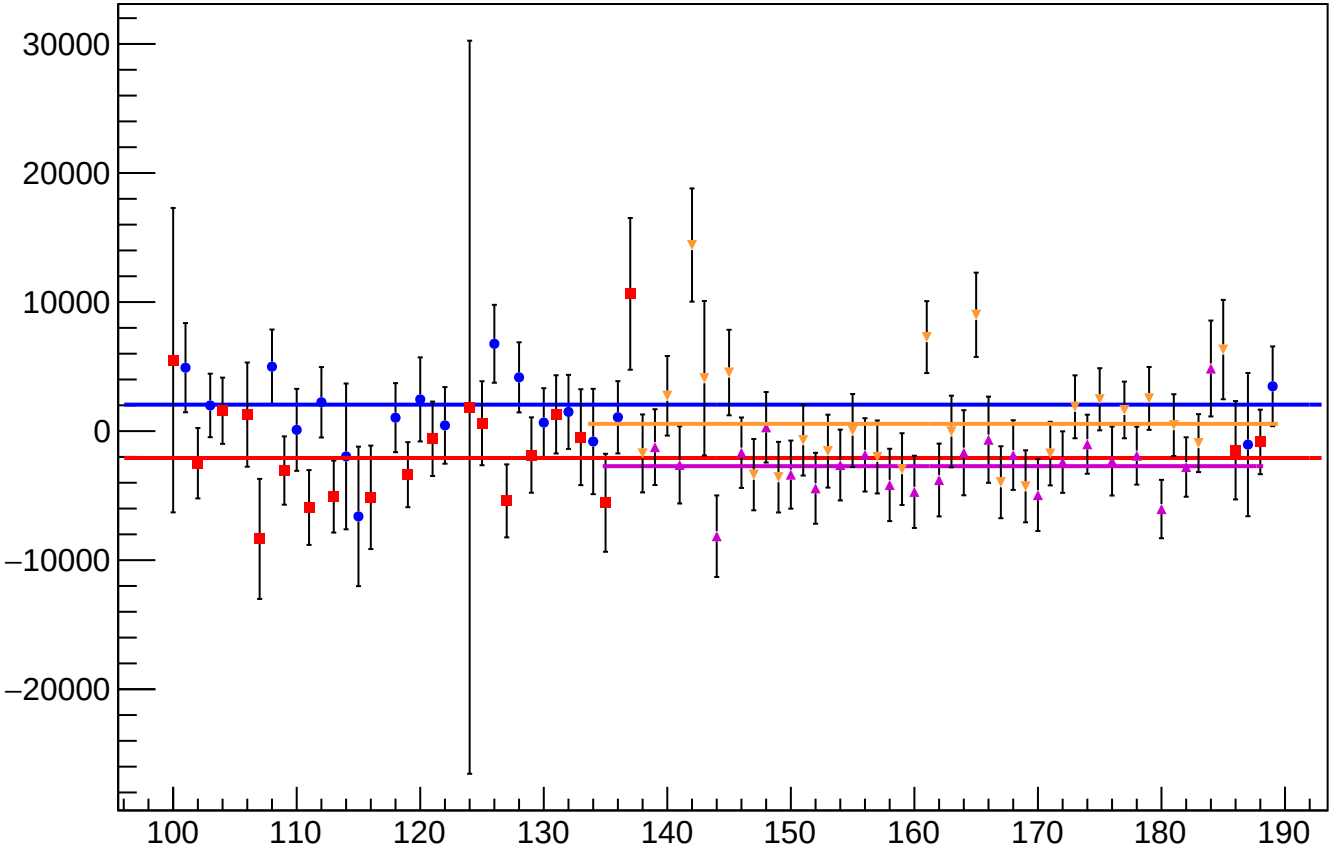
Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

+ sign 2190.799+/-0.507 χ^2/NDF: 35426329.0/42

All: 2064.766+/-0.360 χ^2/NDF: 75044696.0/8

- sign 1936.942+/-0.511 χ^2/NDF: 39494012.5/43

eigen_cor_asym_atl2_mean vs Slug



Right In: 2051.100+/-735.442 χ^2/NDF: 10.1/17

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: -2081.698+/-711.021 χ^2/NDF: 18.4/20

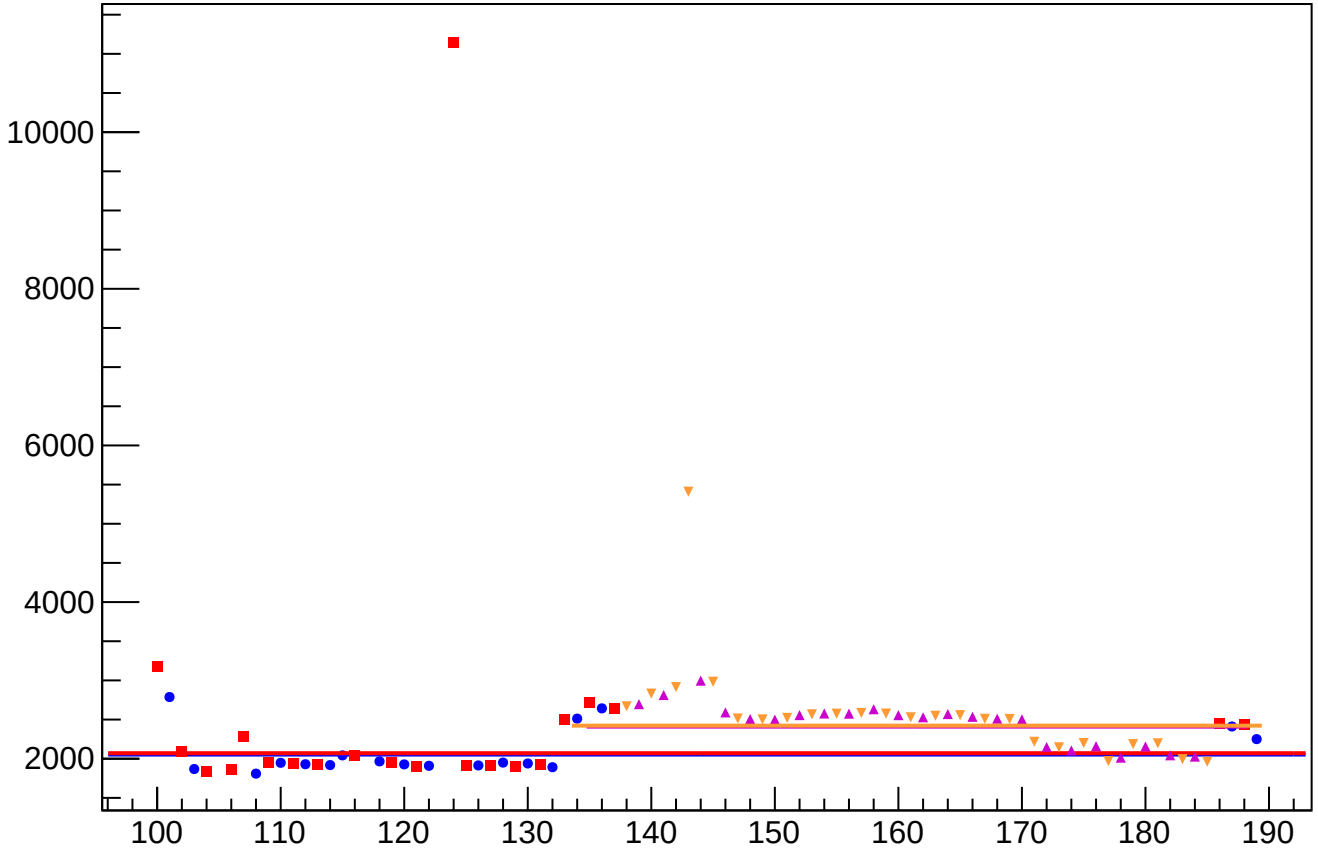
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1105.443+/-444.185 χ^2/NDF: 56.7/42

All: -687.343+/-313.639 χ^2/NDF: 122.4/86

- sign -2469.957+/-442.923 χ^2/NDF: 33.2/43

eigen_cor_asym_atl2_rms vs Slug



Right In: 2053.020+/-0.520 χ^2/NDF: 280655.5/17

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2070.514+/-0.503 χ^2/NDF: 462716.8/20

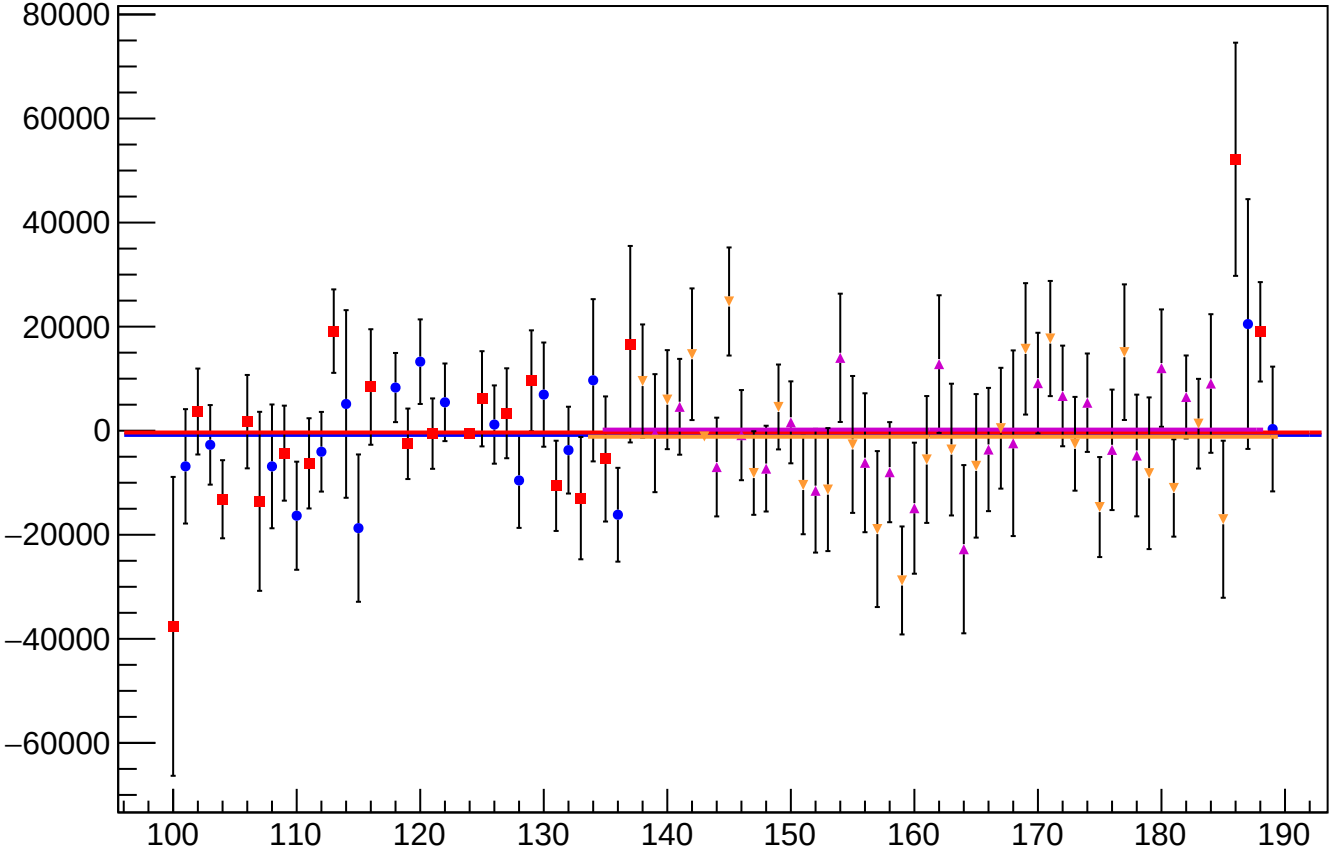
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2287.500+/-0.314 χ^2/NDF: 1553565.5/42

All: 2282.812+/-0.222 χ^2/NDF: 2723806.4/86

- sign 2278.151+/-0.313 χ^2/NDF: 1169796.6/43

asym_atl2_eigen_cor_correction_mean vs Slug



Right In: -805.550+/-2226.603 χ^2/NDF: 16.2/17

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: -343.978+/-765.032 χ^2/NDF: 27.7/20

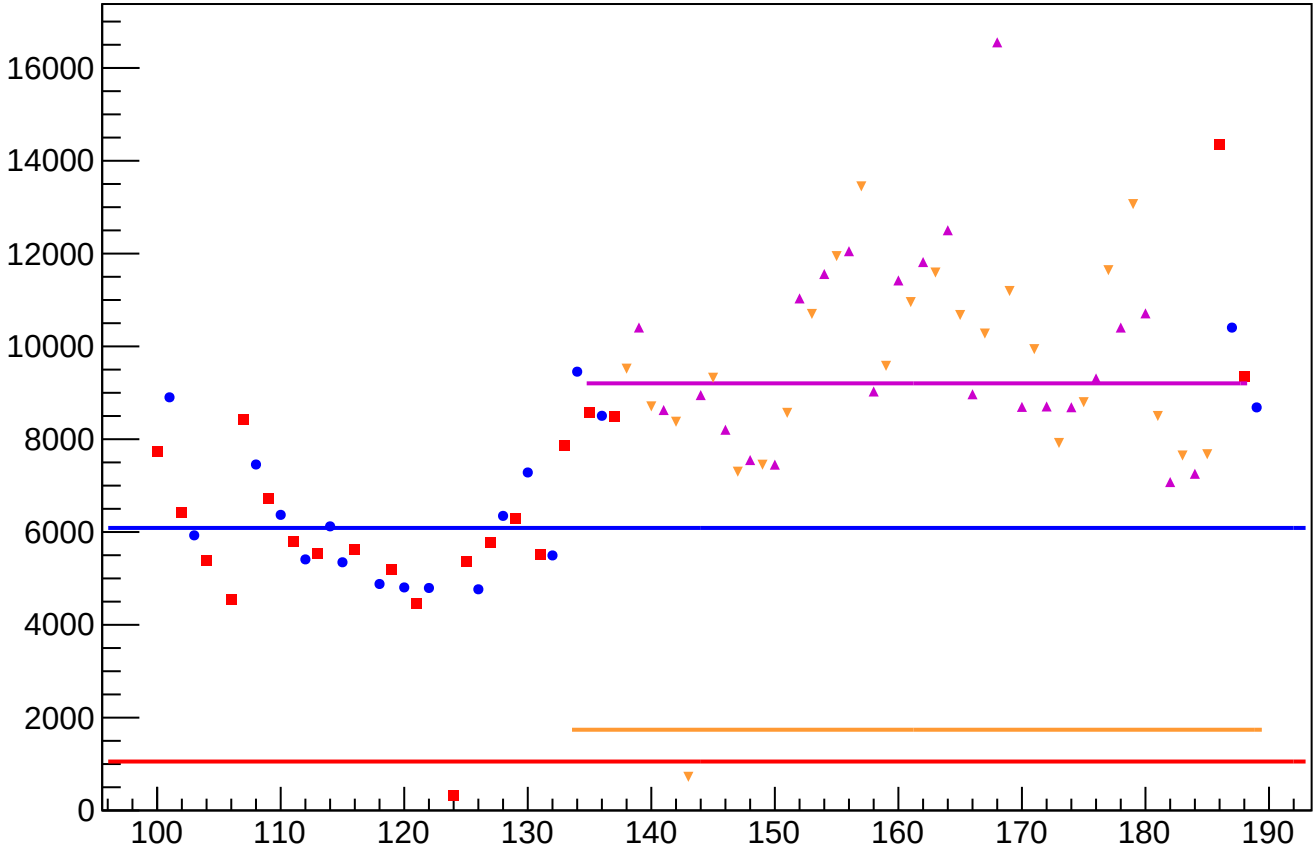
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

+ sign -1121.396+/-717.333 χ^2/NDF: 48.1/42

All: -705.667+/-509.018 χ^2/NDF: 90.0/86

- sign -284.029+/-722.413 χ^2/NDF: 41.1/43

asym_atl2_eigen_cor_correction_rms vs Slug



Right In: 6088.054+/-1.574 χ^2/NDF: 854443.1/17

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

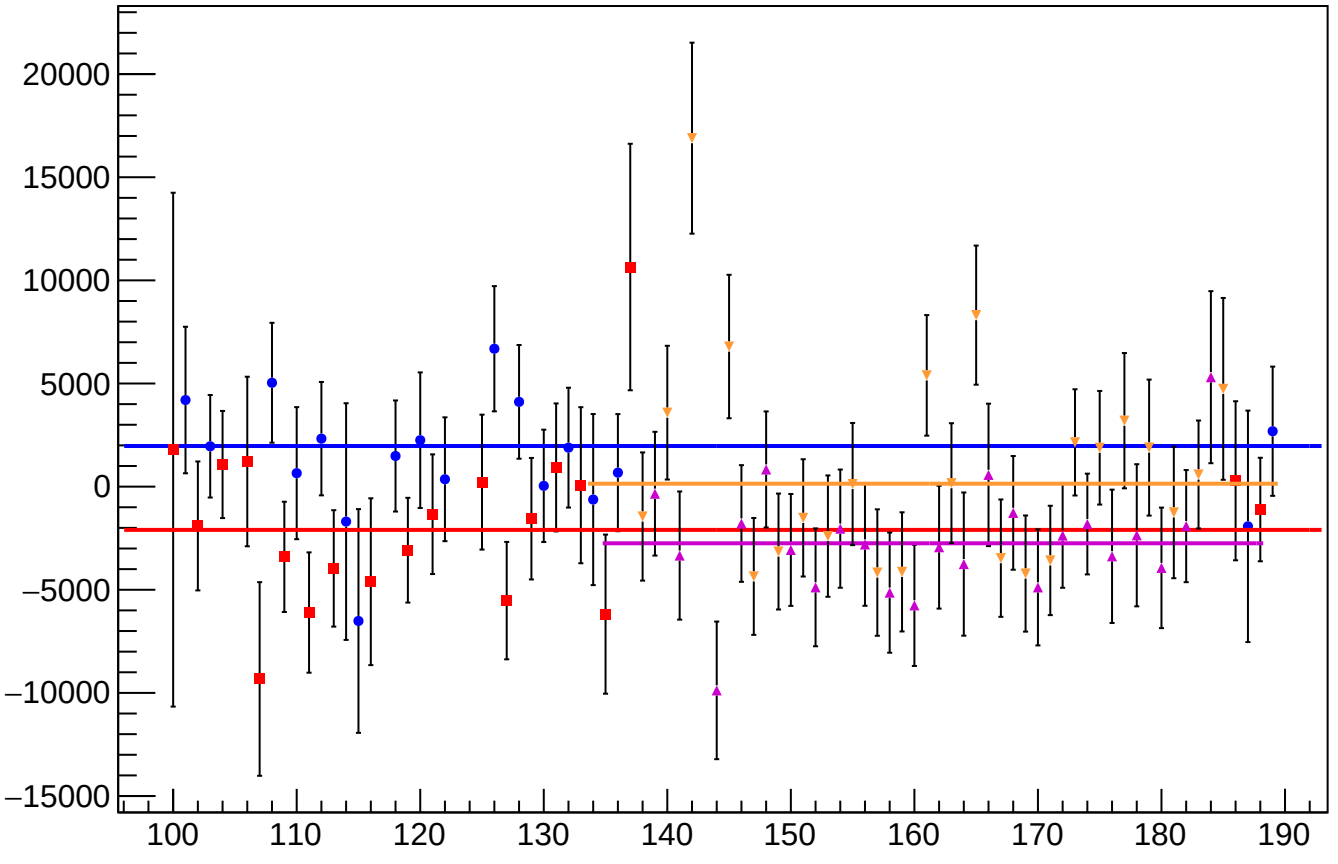
Right Out: 1054.245+/-0.541 χ^2/NDF: 13640155.3/20

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

+ sign 2190.799+/-0.507 χ^2/NDF: 35426329.0/42

All: 2064.766+/-0.360 χ^2/NDF: 75044696.0/8

- sign 1936.942+/-0.511 χ^2/NDF: 39494012.5/43



Right In: 1968.963+/-744.332 χ^2/NDF: 9.5/17

Left Out: 142.497+/-615.731 χ^2/NDF:45.8/23

Right Out: -2097.307+/-724.136 χ^2/NDF: 17.3/19

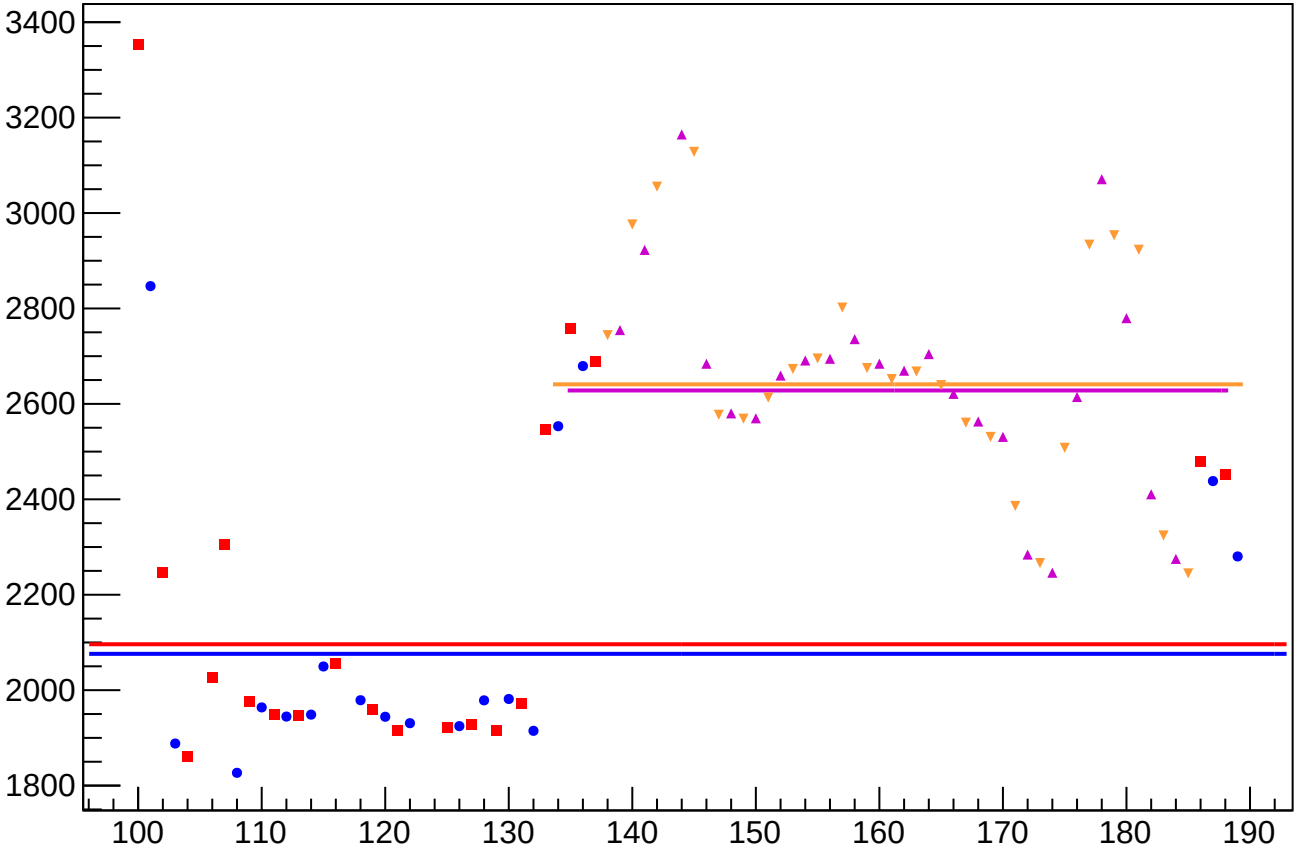
Left In: -2745.982+/-616.123 χ^2/NDF:15.4/22

+ sign 884.558+/-474.439 χ^2/NDF: 58.9/41

All: -812.964+/-333.631 χ^2/NDF: 117.4/84

- sign -2473.585+/-469.254 χ^2/NDF: 33.1/42

dit_asym_atl2_rms vs Slug



Right In: 2076.134+/-0.526 χ^2/NDF: 288535.0/17

Left Out: 2640.990+/-0.435 χ^2/NDF:253402.6/23

Right Out: 2096.258+/-0.511 χ^2/NDF: 264673.0/19

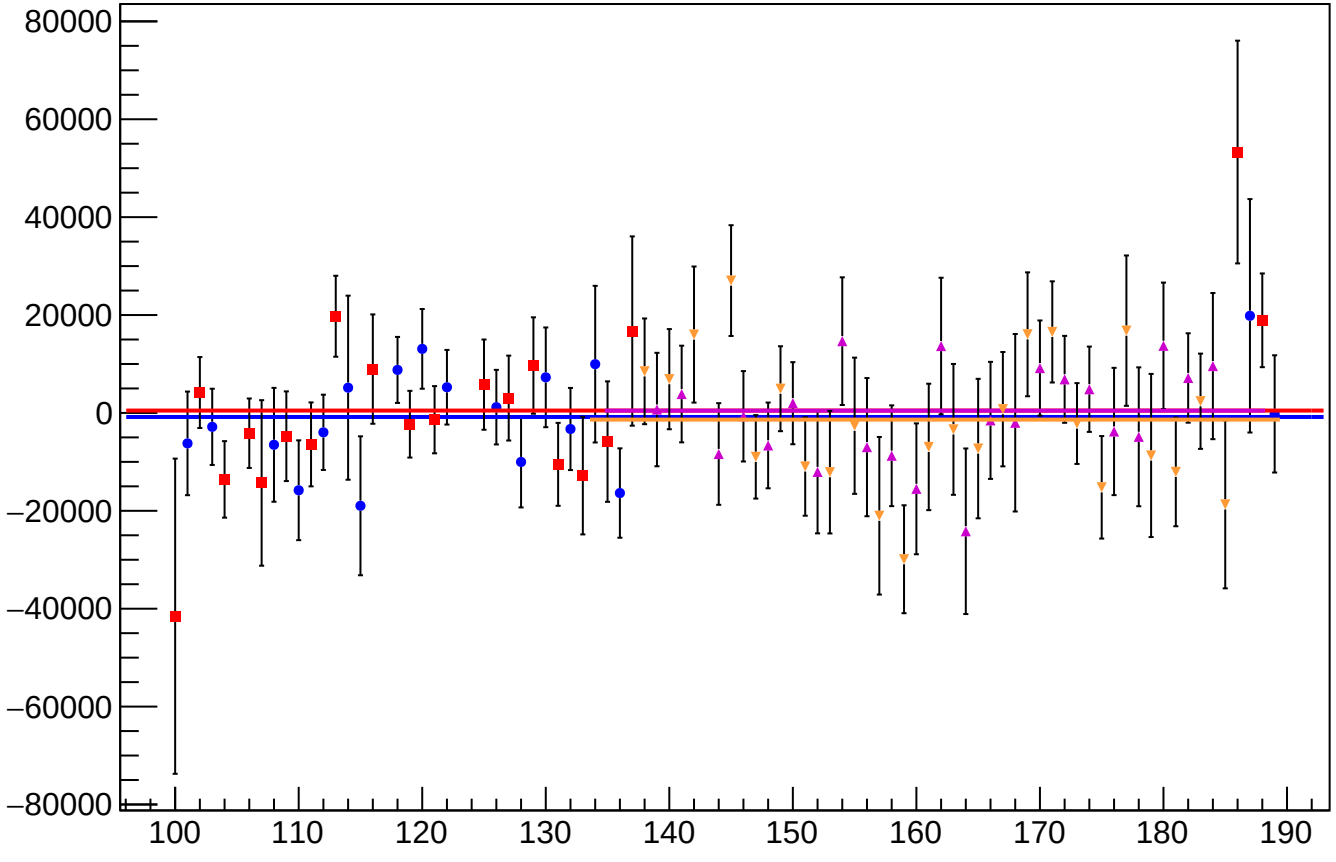
Left In: 2628.113+/-0.436 χ^2/NDF:237507.6/22

+ sign 2411.499+/-0.335 χ^2/NDF: 1225774.2/41

All: 2407.922+/-0.236 χ^2/NDF: 2354978.8/84

- sign 2404.427+/-0.332 χ^2/NDF: 1128979.8/42

asym_atl2_dit_correction_mean vs Slug



Right In: -828.006+/-2243.625 χ^2/NDF: 16.1/17

Left Out: -1366.840+/-2326.289 χ^2/NDF:31.3/23

Right Out: 482.836+/-2089.725 χ^2/NDF: 27.9/19

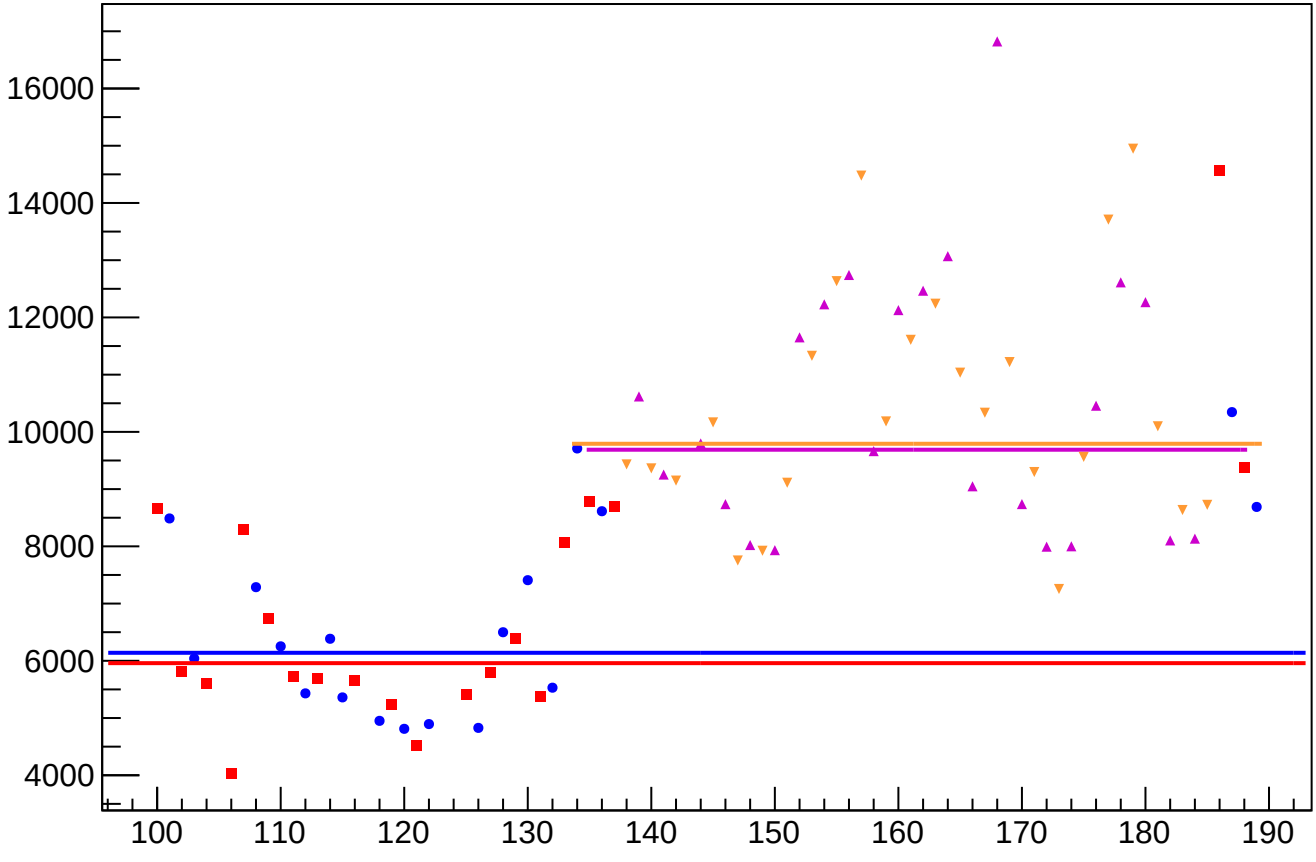
Left In: 463.775+/-2314.478 χ^2/NDF:13.1/22

\+ sign -1087.680+/-1614.916 χ^2/NDF: 47.4/41

All: -275.205+/-1118.654 χ^2/NDF: 88.8/84

\- sign 474.276+/-1551.047 χ^2/NDF: 41.0/42

asym_atl2_dit_correction_rms vs Slug



Right In: 6139.916+/-1.586 χ^2/NDF: 813446.3/17

Left Out: 9792.234+/-1.645 χ^2/NDF:1219062.5/23

Right Out: 5958.986+/-1.478 χ^2/NDF: 1102810.0/19

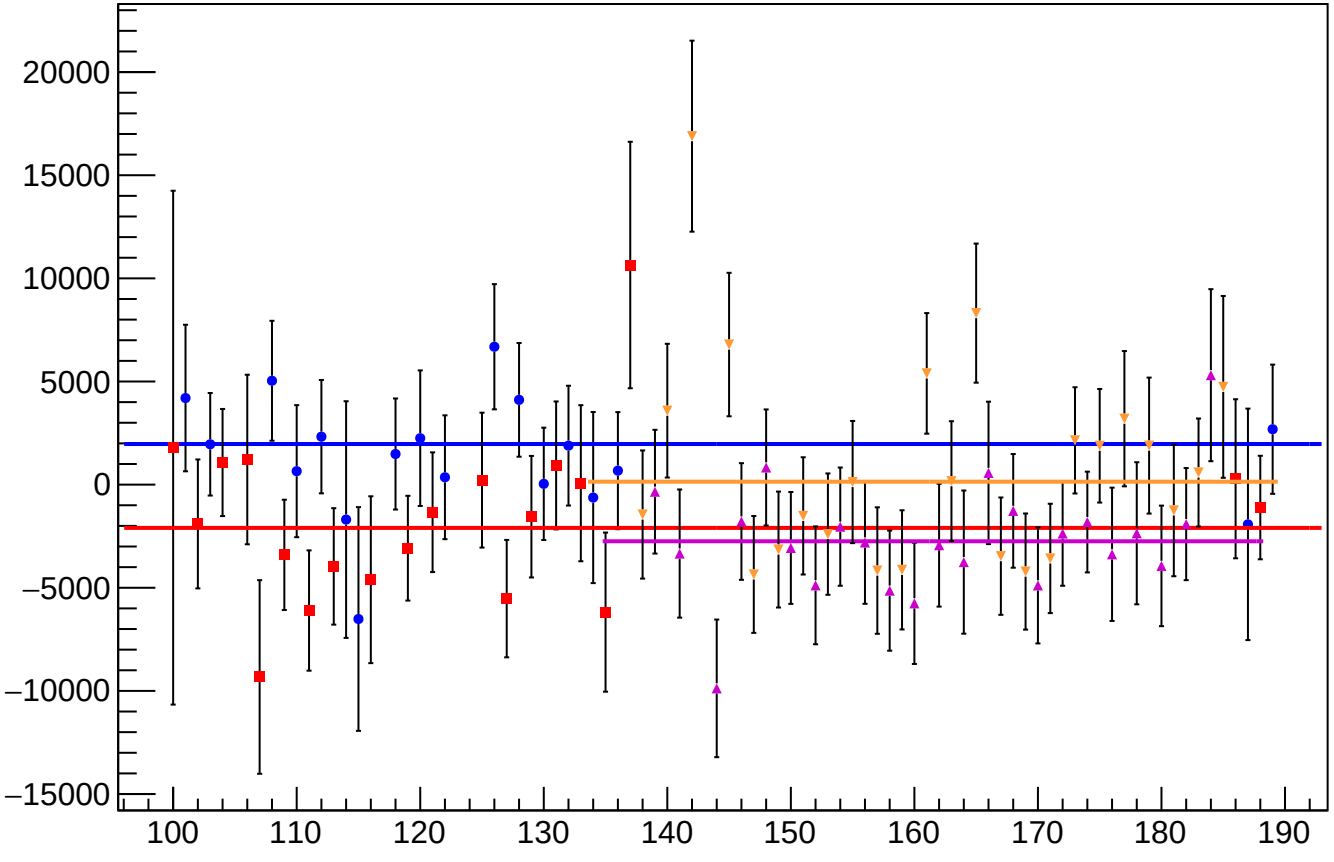
Left In: 9688.179+/-1.637 χ^2/NDF:1378173.6/22

+ sign 7900.031+/-1.142 χ^2/NDF: 4586614.6/41

All: 7761.531+/-0.791 χ^2/NDF: 9956270.9/84

- sign 7633.770+/-1.097 χ^2/NDF: 5341375.9/42

eigen_dit_asym_atl2_mean vs Slug



Right In: 1968.968+/-744.332 χ^2/NDF: 9.5/17

Left Out: 142.487+/-615.732 χ^2/NDF:45.8/23

Right Out: -2097.313+/-724.136 χ^2/NDF: 17.3/19

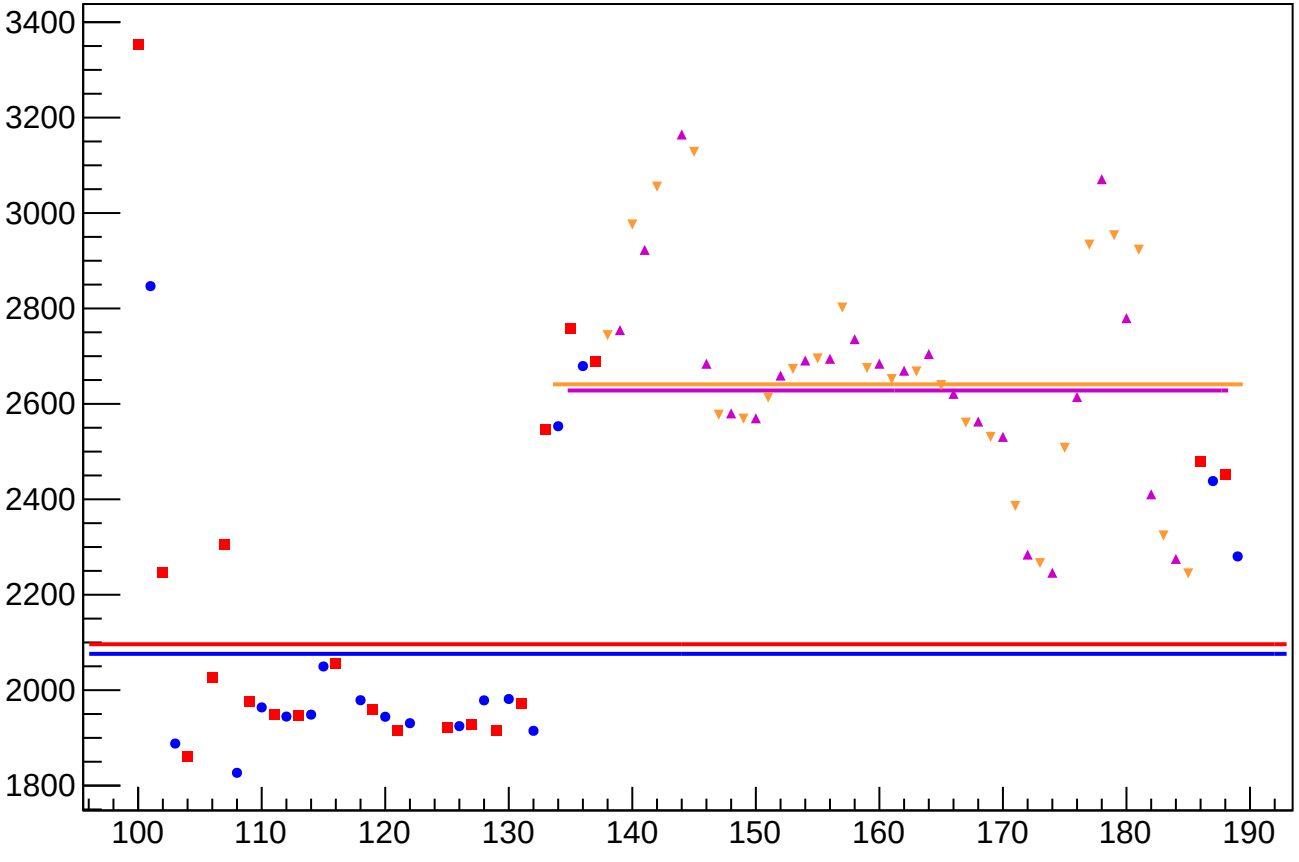
Left In: -2745.980+/-616.124 χ^2/NDF:15.4/22

+ sign 884.556+/-474.440 χ^2/NDF: 58.9/41

All: -812.966+/-333.631 χ^2/NDF: 117.4/84

- sign -2473.586+/-469.254 χ^2/NDF: 33.1/42

eigen_dit_asym_atl2_rms vs Slug



Right In: 2076.134+/-0.526 χ^2/NDF: 288534.8/17

Left Out: 2640.993+/-0.435 χ^2/NDF:253411.8/23

Right Out: 2096.258+/-0.511 χ^2/NDF: 264673.0/19

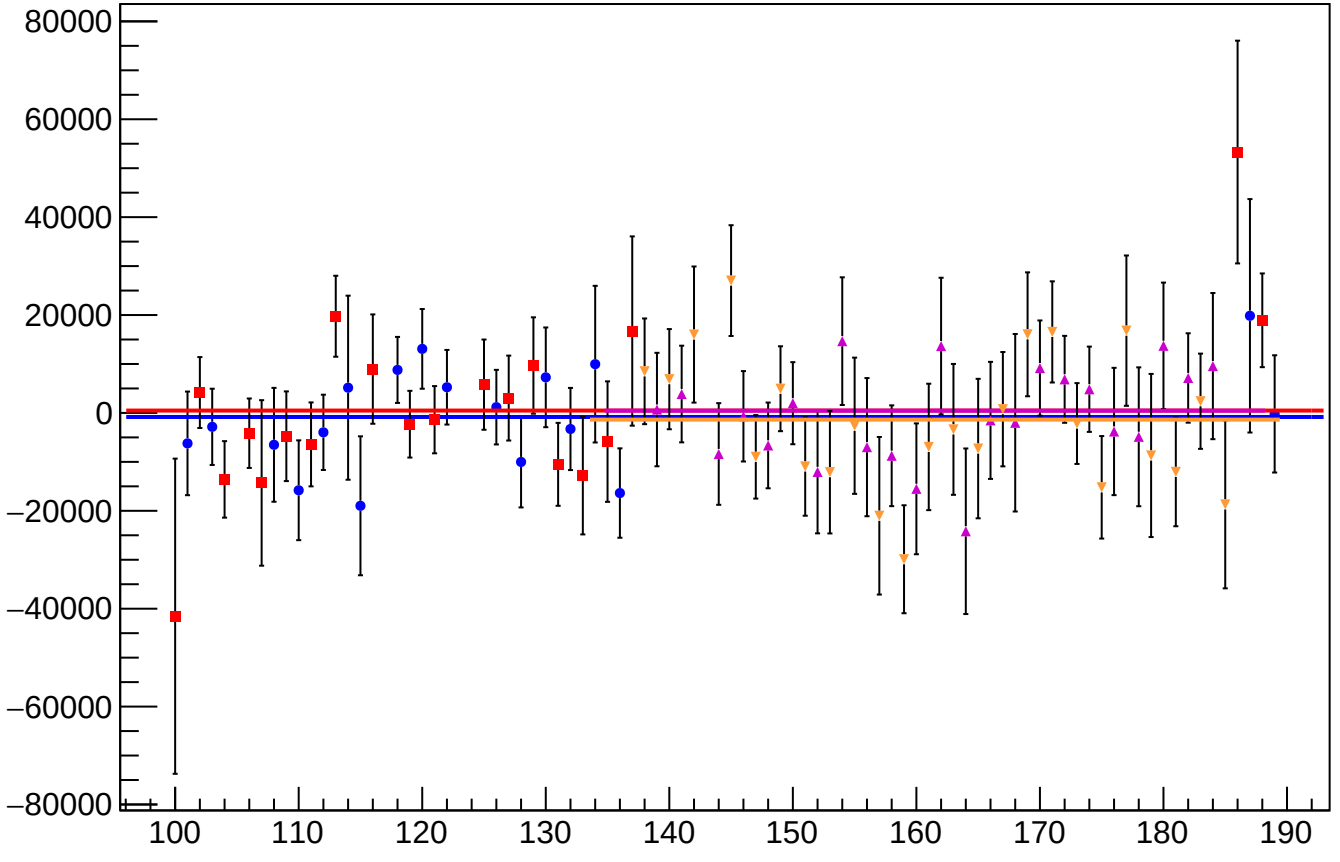
Left In: 2628.116+/-0.436 χ^2/NDF:237516.8/22

+ sign 2411.500+/-0.335 χ^2/NDF: 1225788.3/41

All: 2407.923+/-0.236 χ^2/NDF: 2355007.5/84

- sign 2404.428+/-0.332 χ^2/NDF: 1128994.4/42

asym_atl2_eigen_dit_correction_mean vs Slug



Right In: -827.997+/-2243.619 χ^2/NDF: 16.1/17

Left Out: -1366.849+/-2326.293 χ^2/NDF:31.3/23

Right Out: 482.824+/-2089.719 χ^2/NDF: 27.9/19

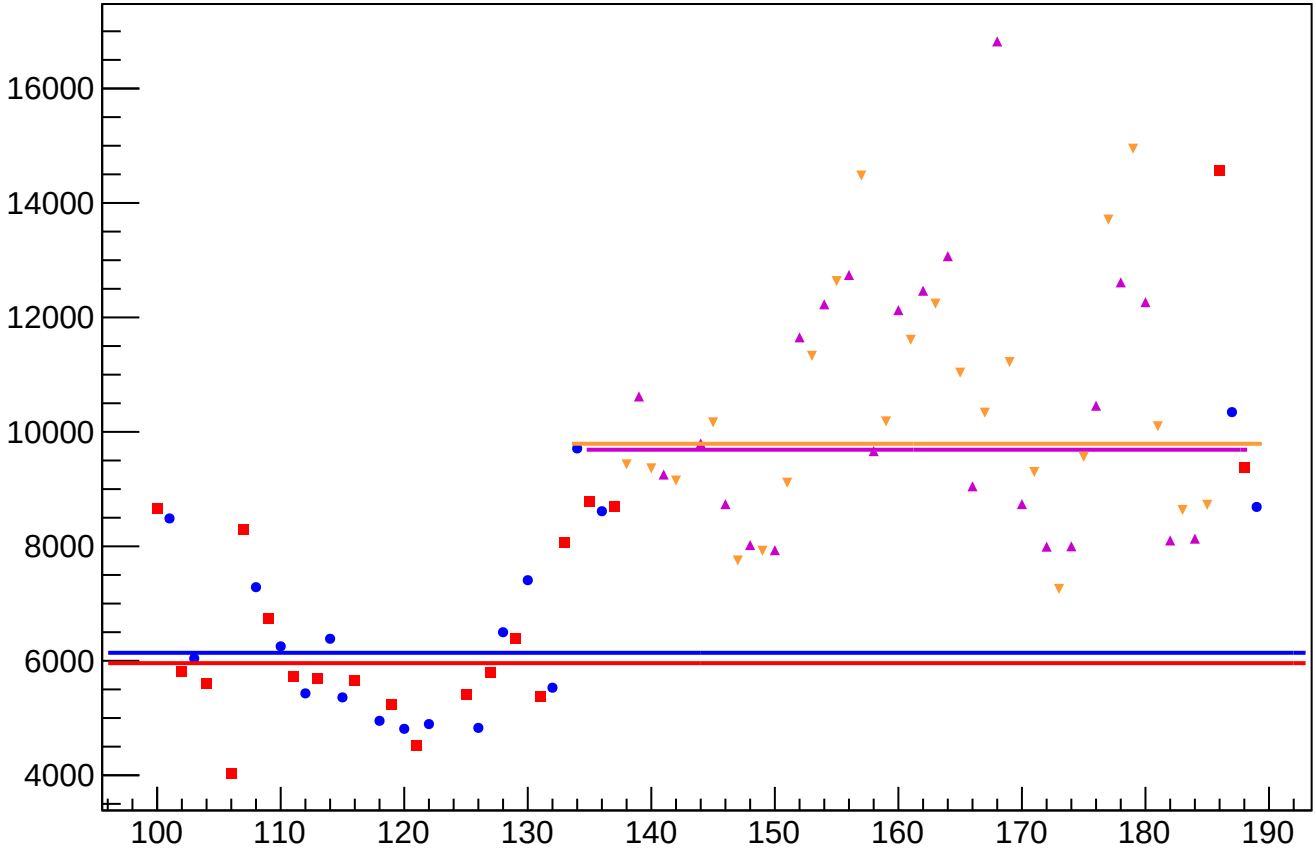
Left In: 463.777+/-2314.482 χ^2/NDF:13.1/22

\+ sign -1087.678+/-1614.915 χ^2/NDF: 47.4/41

All: -275.207+/-1118.653 χ^2/NDF: 88.8/84

\- sign 474.270+/-1551.046 χ^2/NDF: 41.0/42

asym_atl2_eigen_dit_correction_rms vs Slug



Right In: 6139.896+/-1.586 χ^2/NDF: 813456.6/17

Left Out: 9792.251+/-1.645 χ^2/NDF:1219062.8/23

Right Out: 5958.968+/-1.478 χ^2/NDF: 1102818.5/19

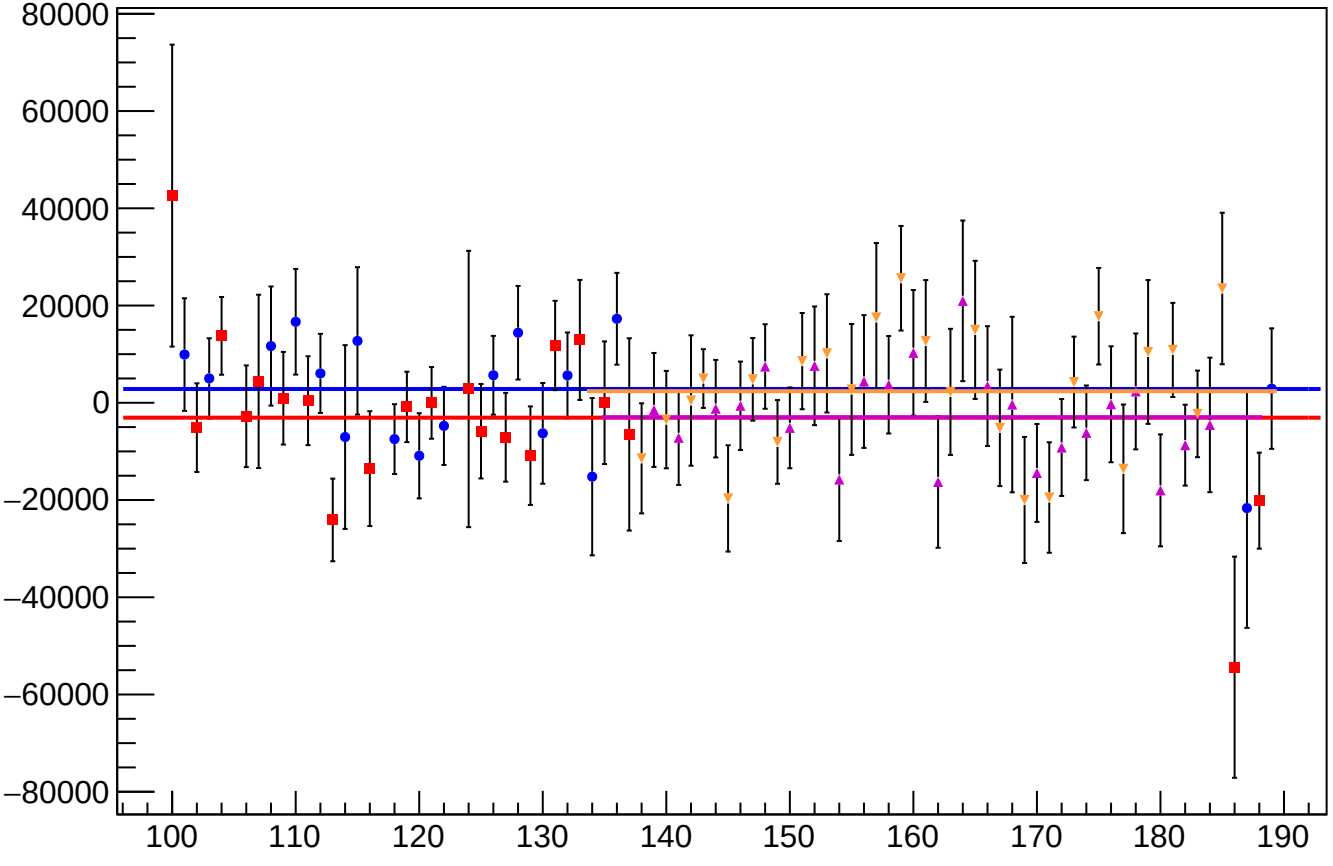
Left In: 9688.194+/-1.637 χ^2/NDF:1378175.1/22

+ sign 7900.020+/-1.142 χ^2/NDF: 4586679.0/41

All: 7761.521+/-0.791 χ^2/NDF: 9956397.5/84

- sign 7633.760+/-1.097 χ^2/NDF: 5341438.1/42

asym_atl2_mean vs Slug



Right In: 2836.945+/-2364.870 χ^2/NDF: 15.9/17

Left Out: 2387.857+/-2136.530 χ^2/NDF:29.7/24

Right Out: -3062.909+/-2261.910 χ^2/NDF: 27.7/20

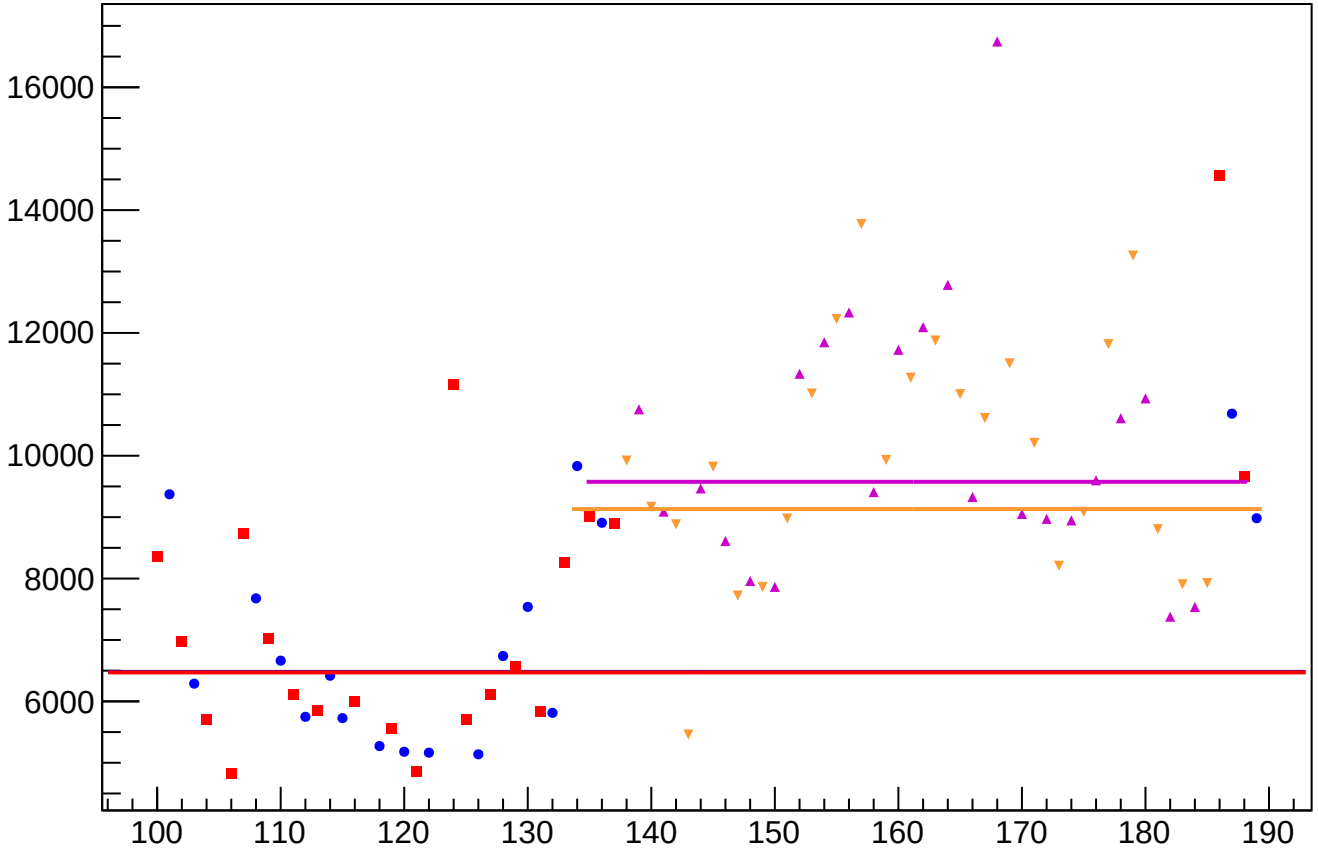
Left In: -2963.537+/-2278.927 χ^2/NDF:13.0/22

+ sign 2589.679+/-1585.351 χ^2/NDF: 45.6/42

All: -176.762+/-1128.032 χ^2/NDF: 92.5/86

- sign -3013.596+/-1605.394 χ^2/NDF: 40.7/43

asym_atl2_rms vs Slug



Right In: 6479.833+/-1.672 χ^2/NDF: 767336.3/17

Left Out: 9131.714+/-1.511 χ^2/NDF:1811661.2/24

Right Out: 6472.012+/-1.599 χ^2/NDF: 959482.5/20

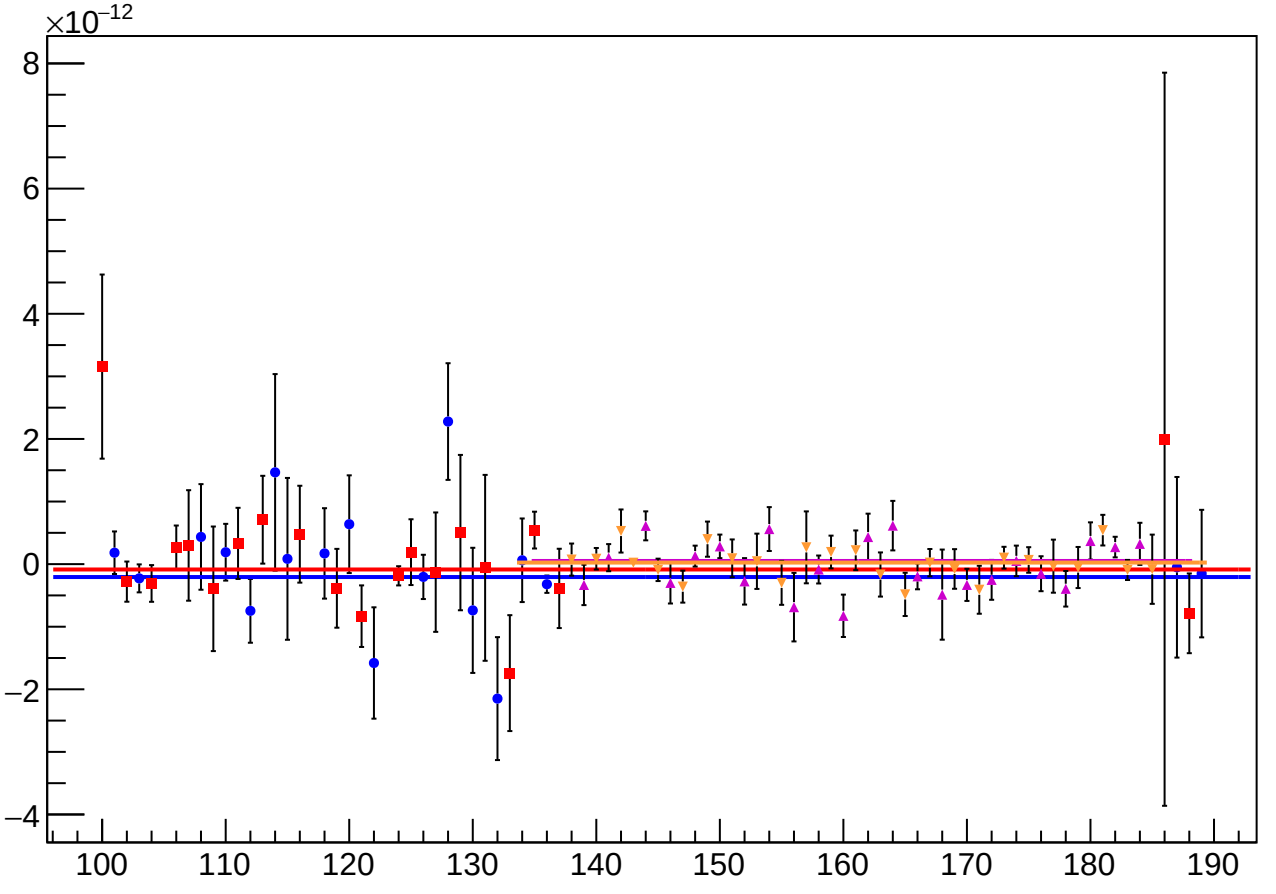
Left In: 9575.233+/-1.611 χ^2/NDF:1153802.3/22

+ sign 7939.947+/-1.121 χ^2/NDF: 3963704.1/42

All: 7975.515+/-0.798 χ^2/NDF: 7947165.2/86

- sign 8011.989+/-1.135 χ^2/NDF: 3981422.0/43

asym_atl2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.2/20

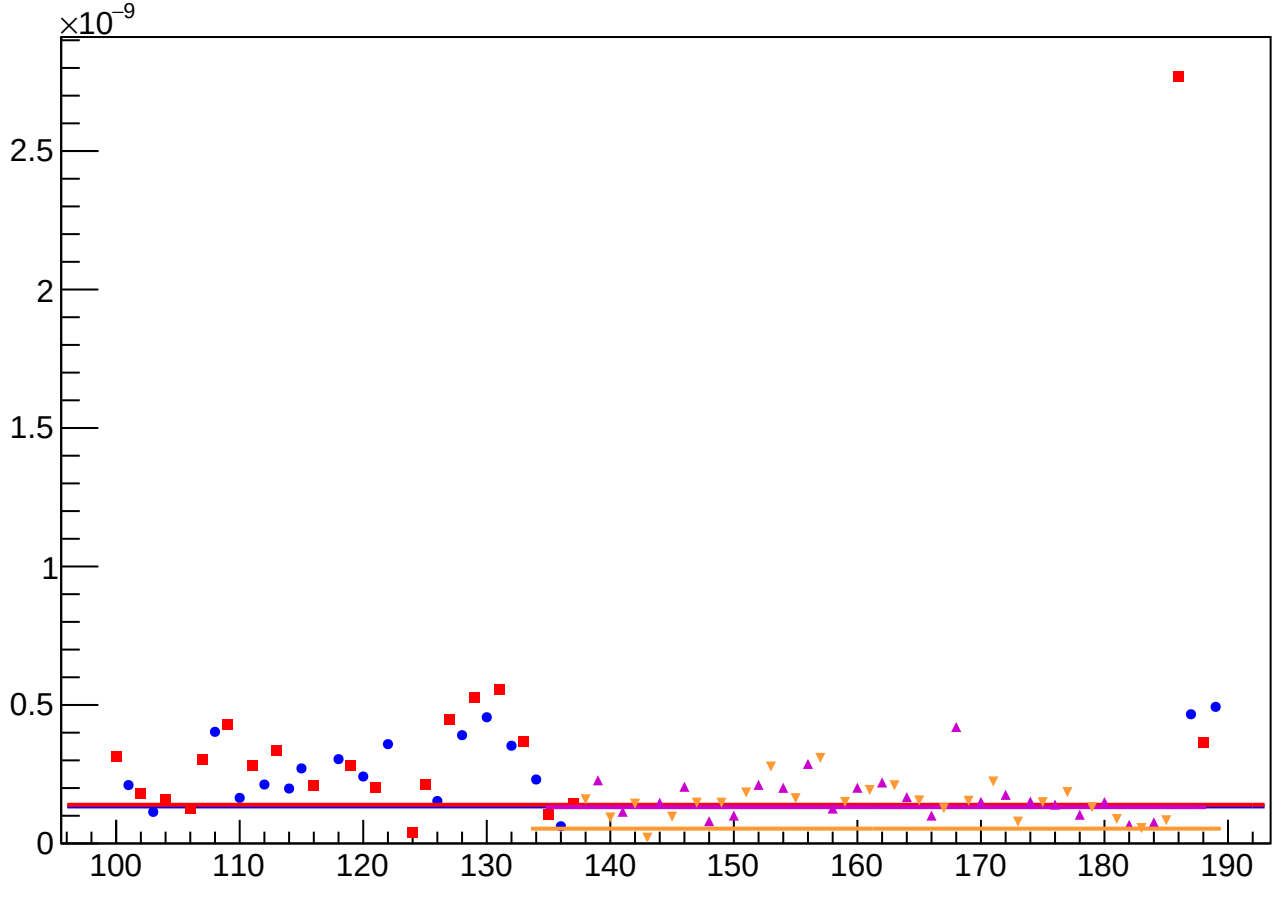
Left In: 0.000+/-0.000 χ^2/NDF:36.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.3/42

All: 0.000+/-0.000 χ^2/NDF: 104.9/86

- sign 0.000+/-0.000 χ^2/NDF: 60.6/43

asym_atl2_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2080449.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:7244510.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2960991.0/20

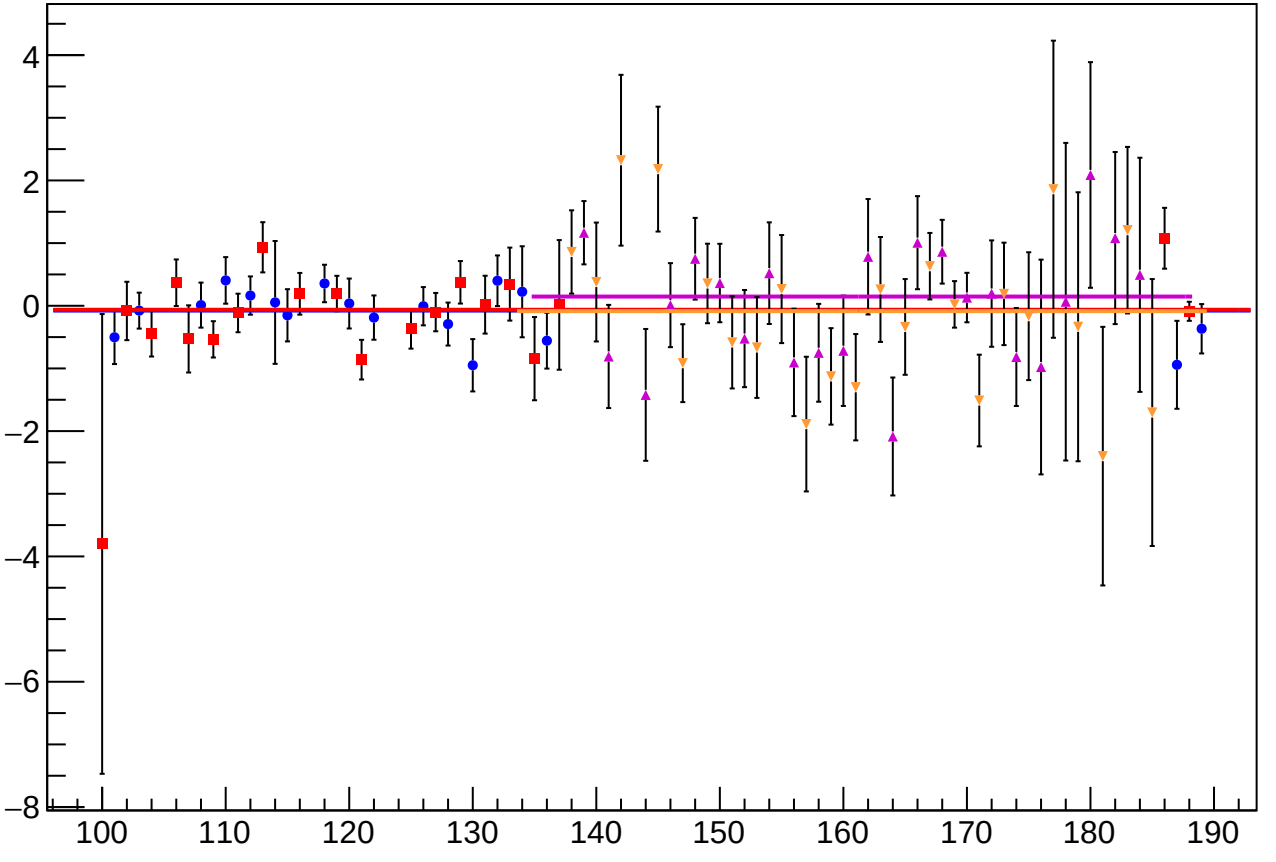
Left In: 0.000+/-0.000 χ^2/NDF:1904207.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 10631398.0/42

All: 0.000+/-0.000 χ^2/NDF: 18972264.4/86

- sign 0.000+/-0.000 χ^2/NDF: 4877448.4/43

asym_atl2_dit_vs_cor_diff_mean vs Slug



Right In: -0.076+/-0.090 χ^2/NDF: 15.3/17

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

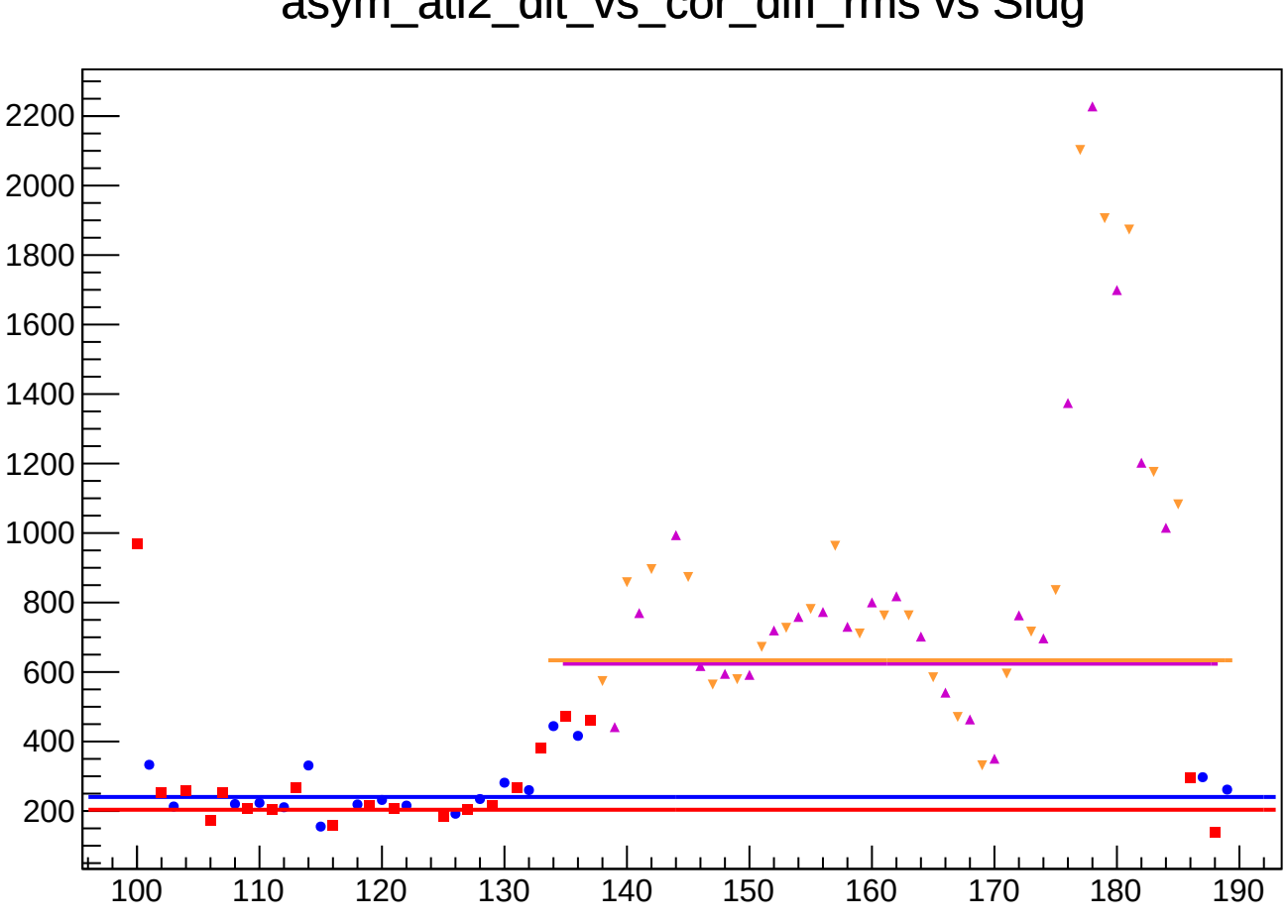
Right Out: -0.064+/-0.076 χ^2/NDF: 30.9/19

Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

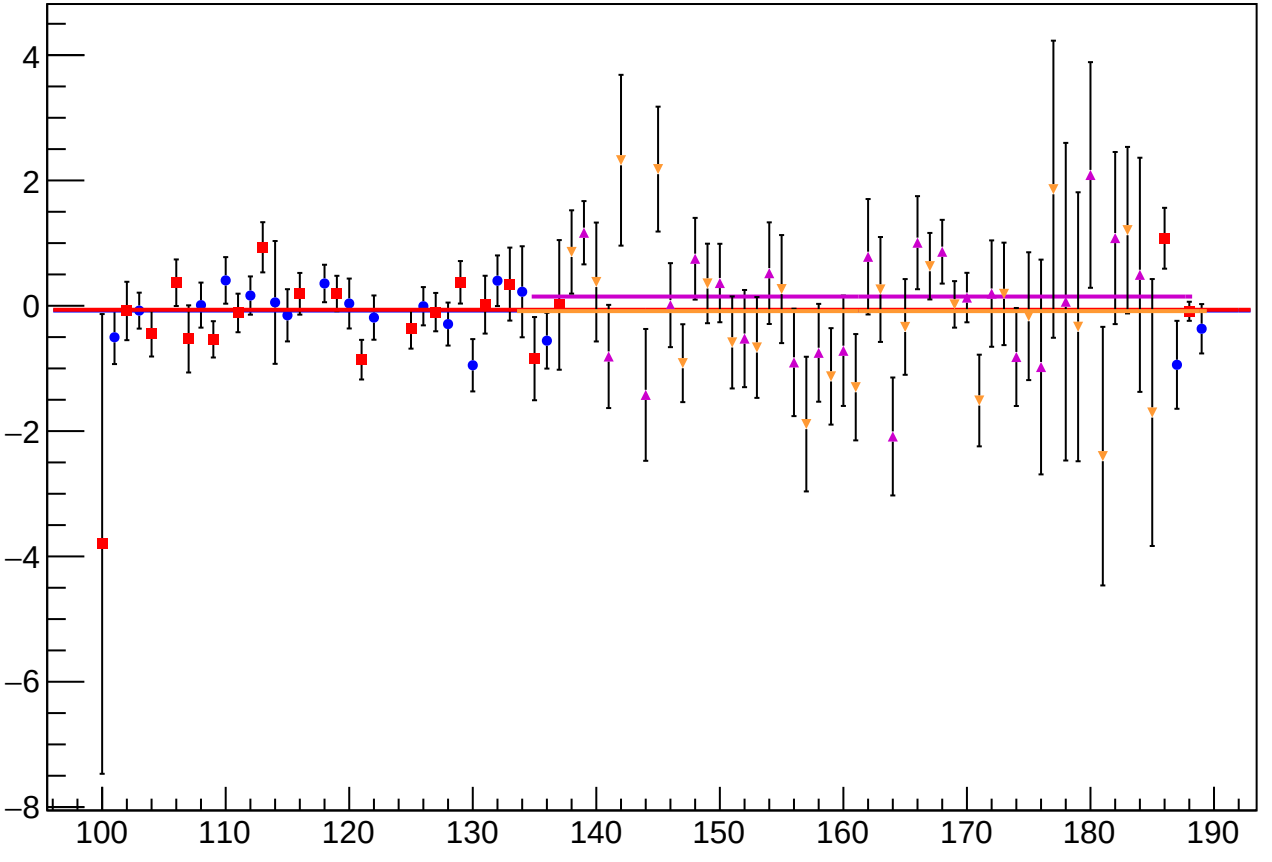
+ sign -0.078+/-0.079 χ^2/NDF: 45.5/41

All: -0.047+/-0.052 χ^2/NDF: 104.6/84

- sign -0.024+/-0.069 χ^2/NDF: 58.8/42


asym_atl2_dit_vs_cor_diff_rms vs Slug
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
180
190
Right In: 240.383+/-0.064 χ²/NDF: 827258.4/17
Left Out: 633.674+/-0.114 χ²/NDF:4994105.8/23
Right Out: 203.574+/-0.054 χ²/NDF: 1406011.7/19
Left In: 623.916+/-0.112 χ²/NDF:4541431.8/22
+ sign 334.409+/-0.056 χ²/NDF: 14854166.0/41
All: 305.341+/-0.037 χ²/NDF: 32722099.7/84
- sign 283.214+/-0.049 χ²/NDF: 17390210.4/42

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.076+/-0.090 χ^2/NDF: 15.3/17

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.064+/-0.076 χ^2/NDF: 30.9/19

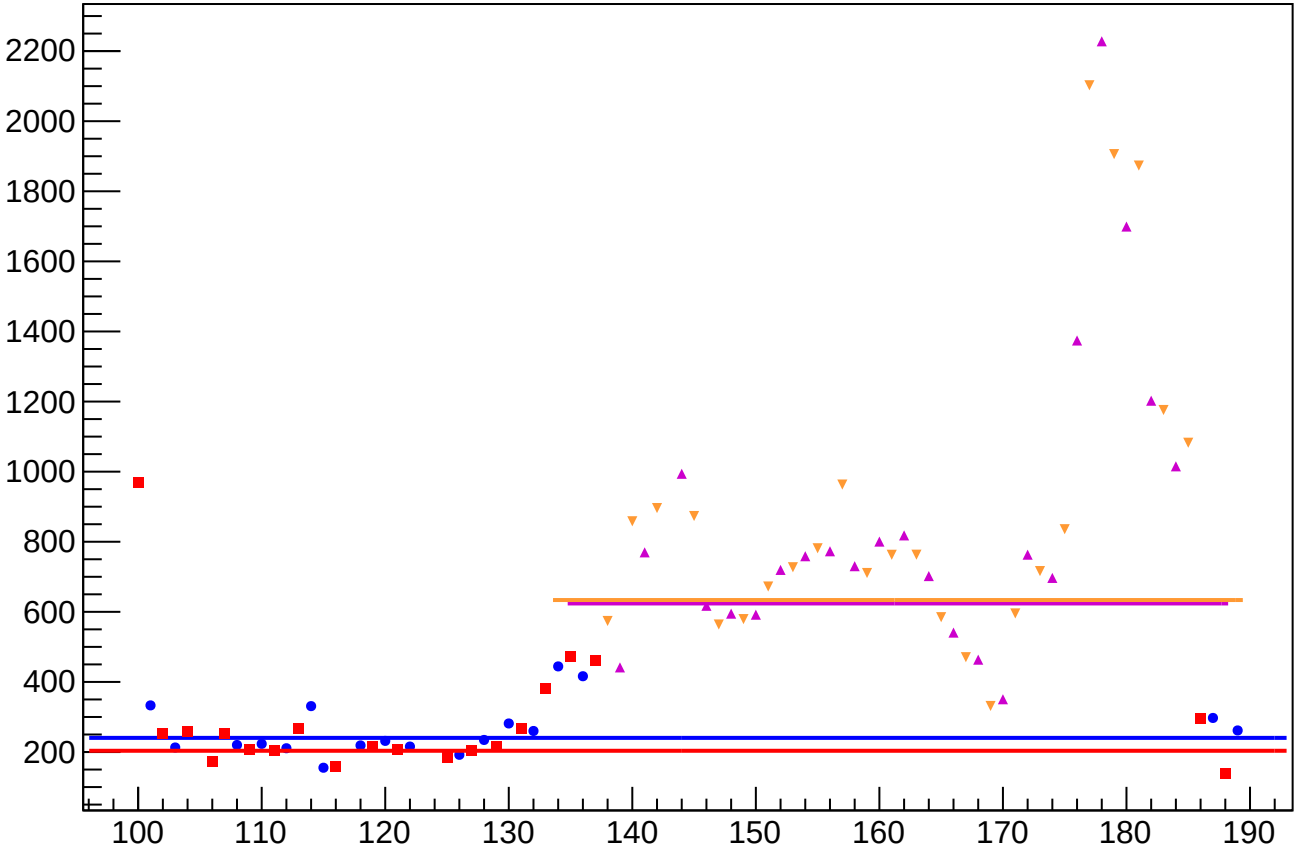
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.078+/-0.079 χ^2/NDF: 45.5/41

All: -0.047+/-0.052 χ^2/NDF: 104.6/84

- sign -0.024+/-0.069 χ^2/NDF: 58.8/42

asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 240.383+/-0.064 χ^2/NDF: 827258.4/17

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

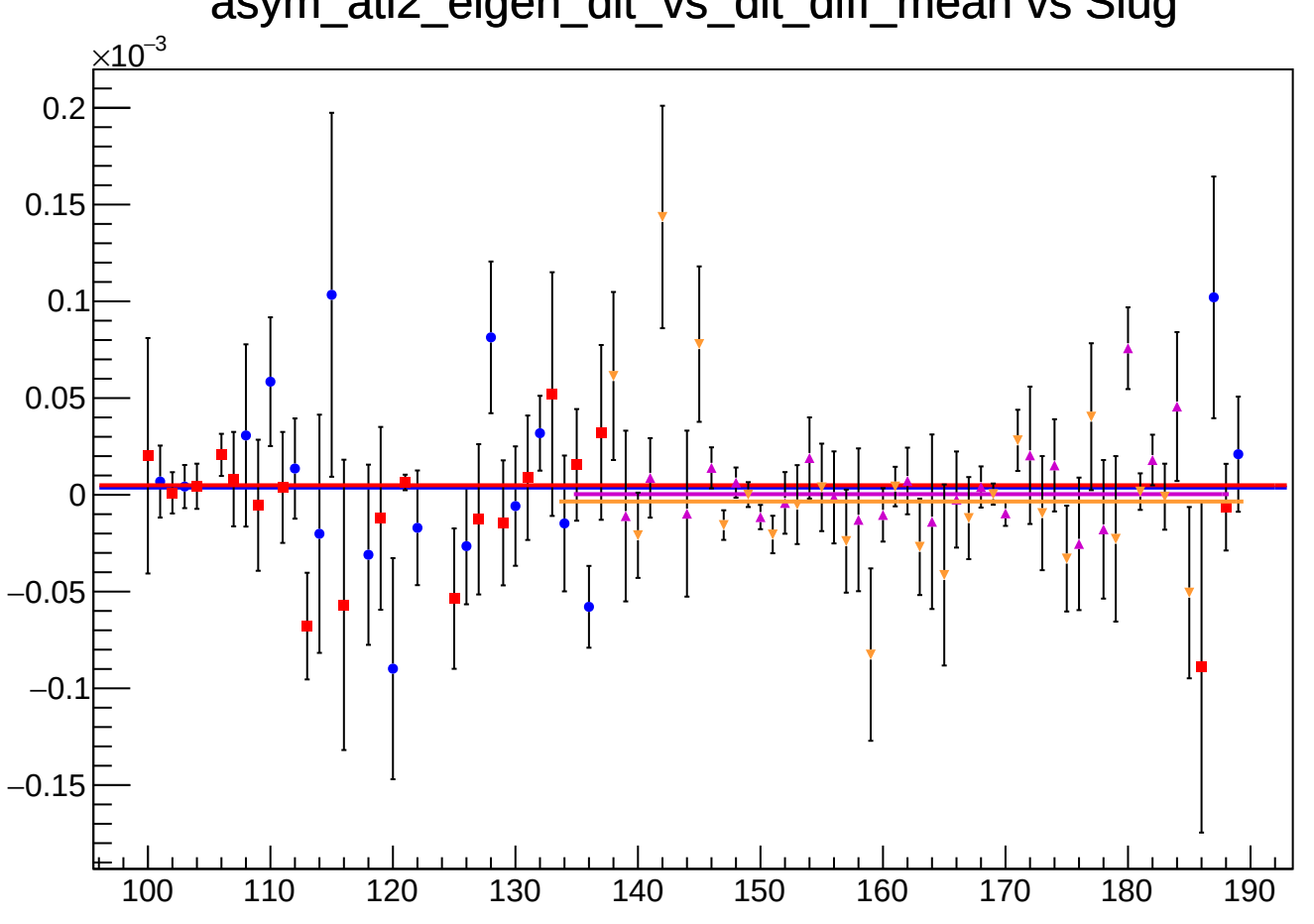
Right Out: 203.574+/-0.054 χ^2/NDF: 1406011.7/19

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 334.409+/-0.056 χ^2/NDF: 14854166.0/41

All: 305.341+/-0.037 χ^2/NDF: 32722099.7/84

- sign 283.214+/-0.049 χ^2/NDF: 17390210.4/42



Right In: 0.000+/-0.000 χ^2/NDF: 26.9/17

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/23

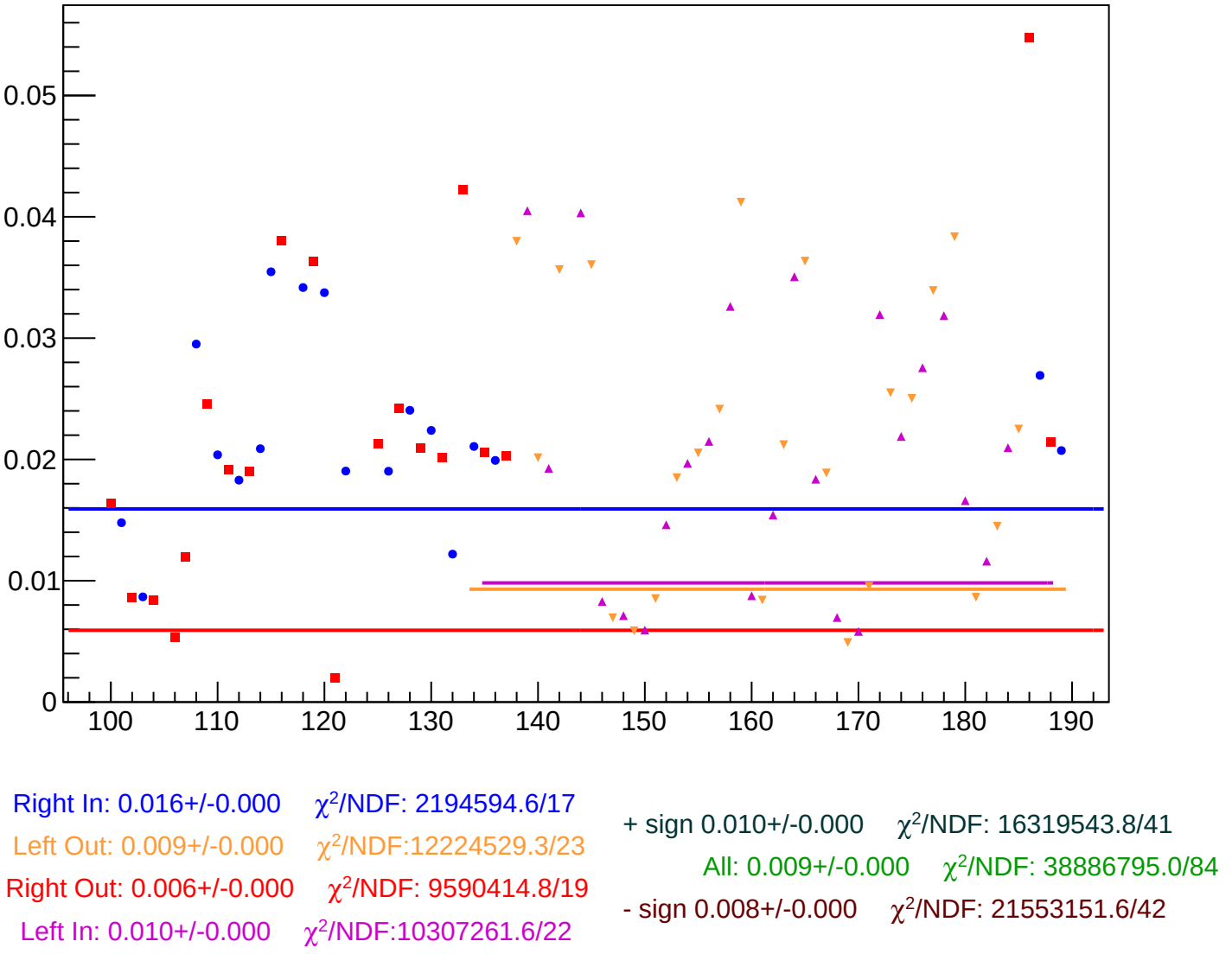
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/19

Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

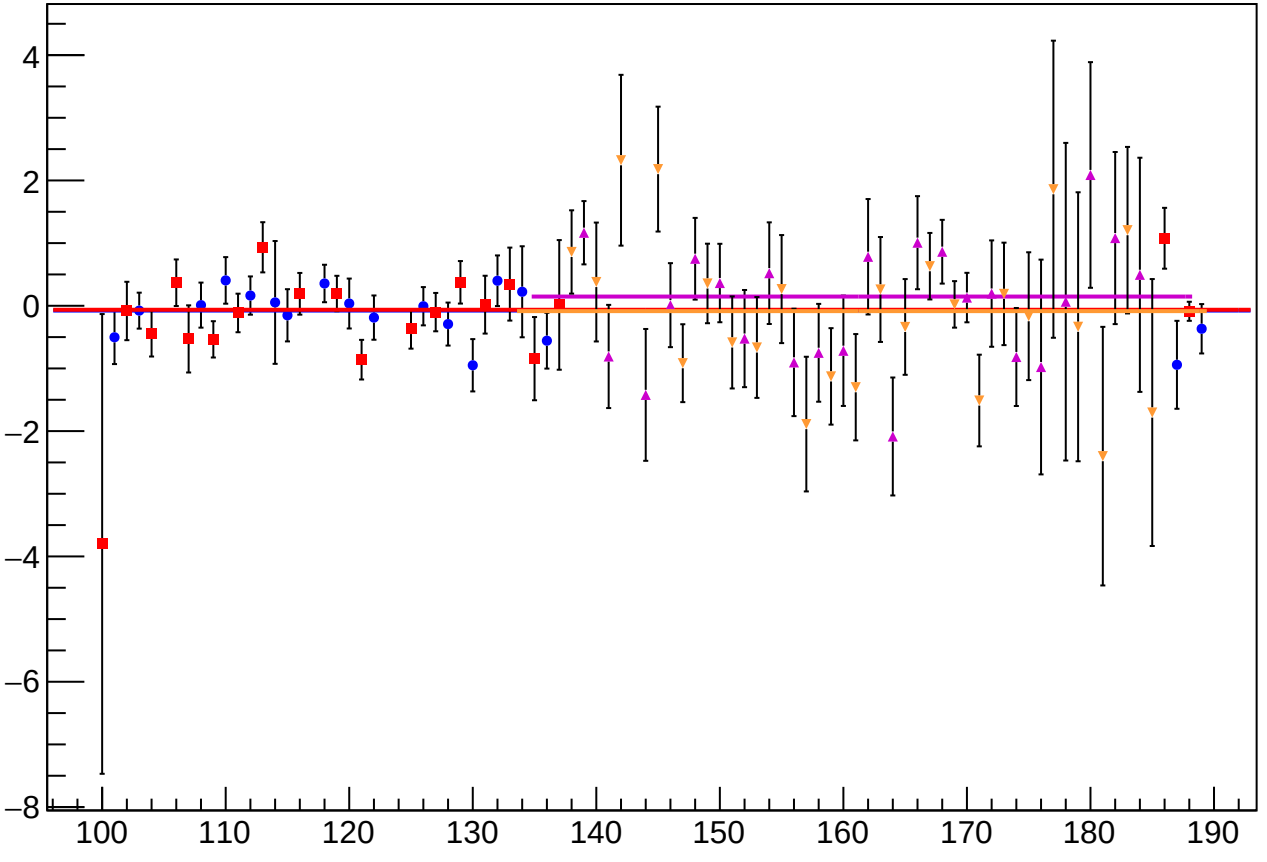
+ sign -0.000+/-0.000 χ^2/NDF: 62.3/41

All: 0.000+/-0.000 χ^2/NDF: 109.4/84

- sign 0.000+/-0.000 χ^2/NDF: 45.0/42


asym_atl2_eigen_dit_vs_dit_diff_rms vs Slug
0.05
0.04
0.03
0.02
0.01
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.016+/-0.000 χ²/NDF: 2194594.6/17
Left Out: 0.009+/-0.000 χ²/NDF:12224529.3/23
Right Out: 0.006+/-0.000 χ²/NDF: 9590414.8/19
Left In: 0.010+/-0.000 χ²/NDF:10307261.6/22
+ sign 0.010+/-0.000 χ²/NDF: 16319543.8/41
All: 0.009+/-0.000 χ²/NDF: 38886795.0/84
- sign 0.008+/-0.000 χ²/NDF: 21553151.6/42

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.076+/-0.090 χ^2/NDF: 15.3/17

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.064+/-0.076 χ^2/NDF: 30.9/19

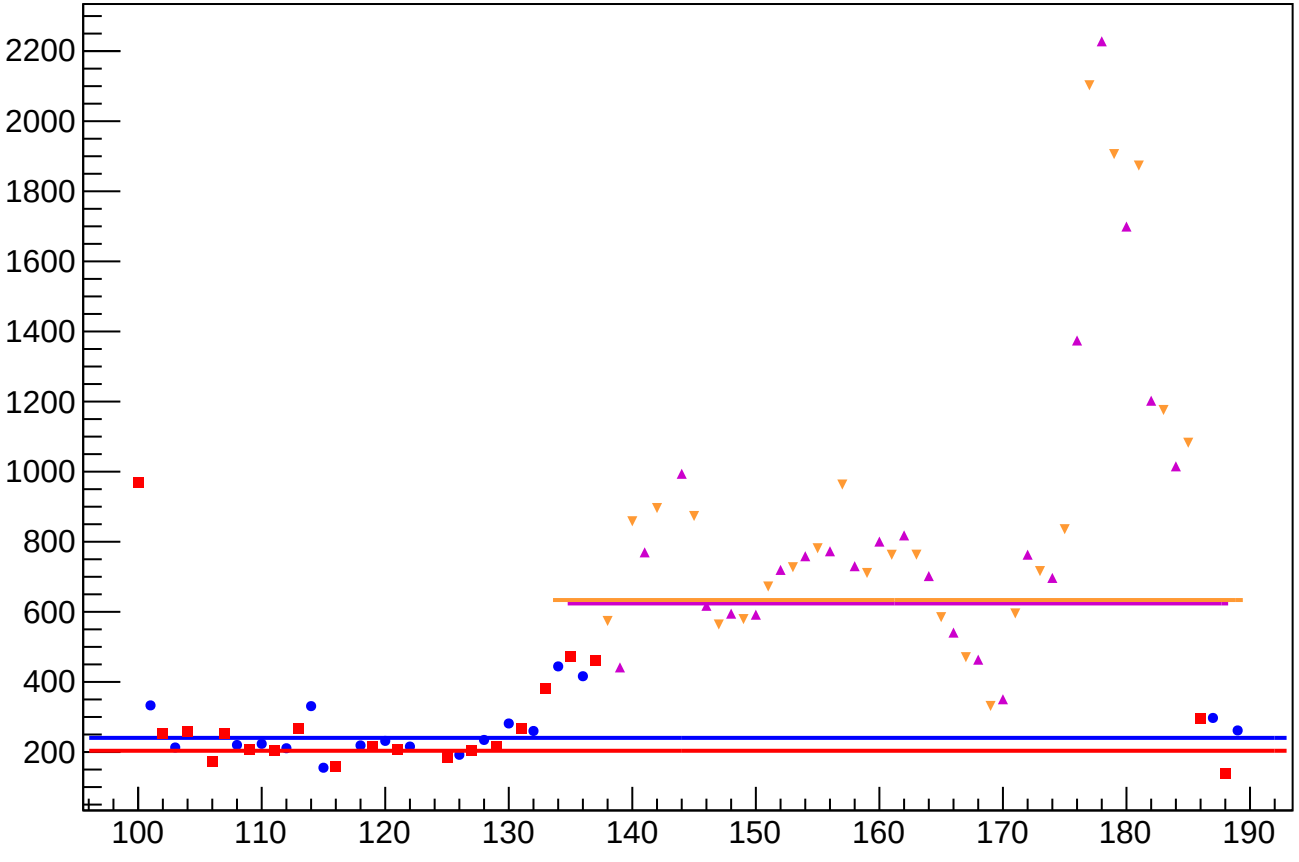
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.078+/-0.079 χ^2/NDF: 45.5/41

All: -0.047+/-0.052 χ^2/NDF: 104.6/84

- sign -0.024+/-0.069 χ^2/NDF: 58.8/42

asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 240.384+/-0.064 χ^2/NDF: 827230.7/17

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

Right Out: 203.571+/-0.054 χ^2/NDF: 1406056.9/19

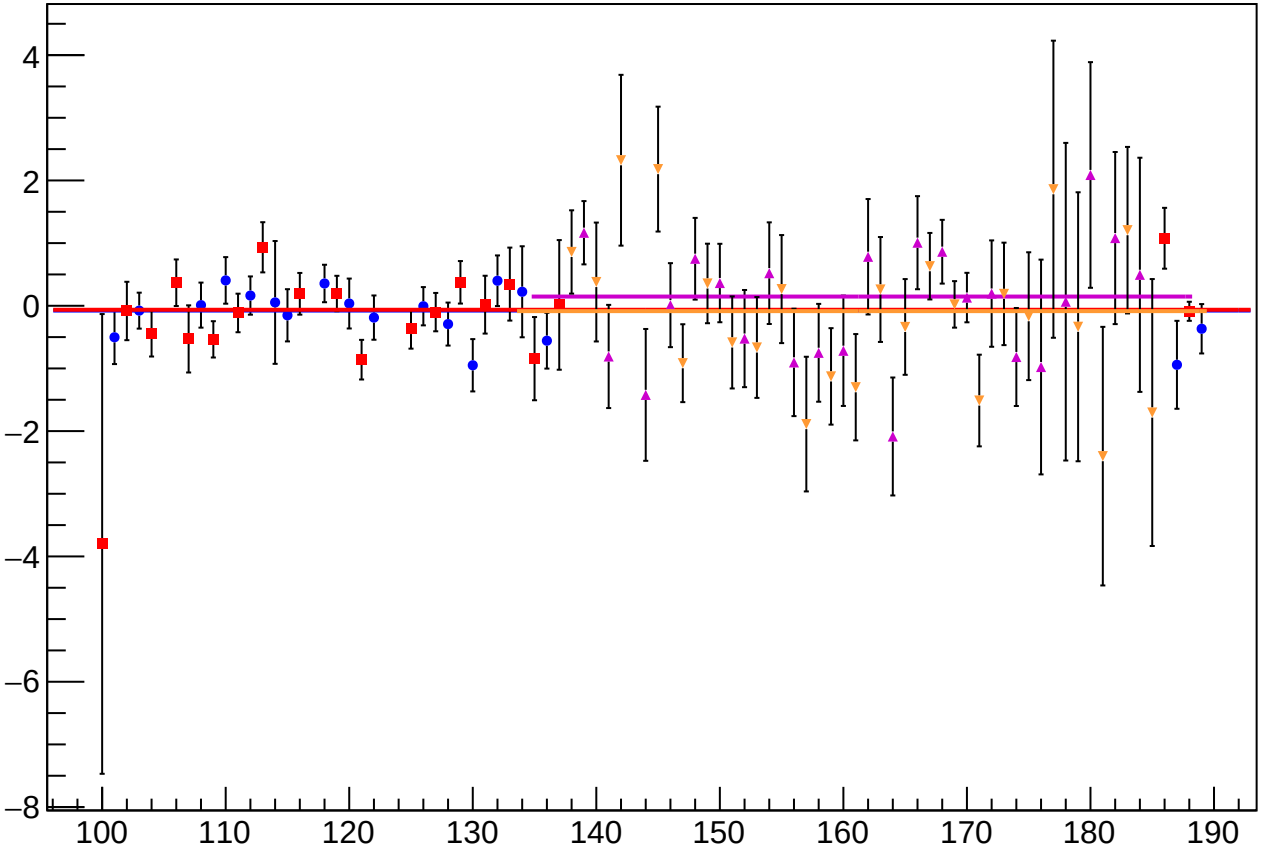
Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

+ sign 334.411+/-0.056 χ^2/NDF: 14854216.9/41

All: 305.339+/-0.037 χ^2/NDF: 32722655.6/84

- sign 283.210+/-0.049 χ^2/NDF: 17390613.6/42

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.076+/-0.090 χ^2/NDF: 15.3/17

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

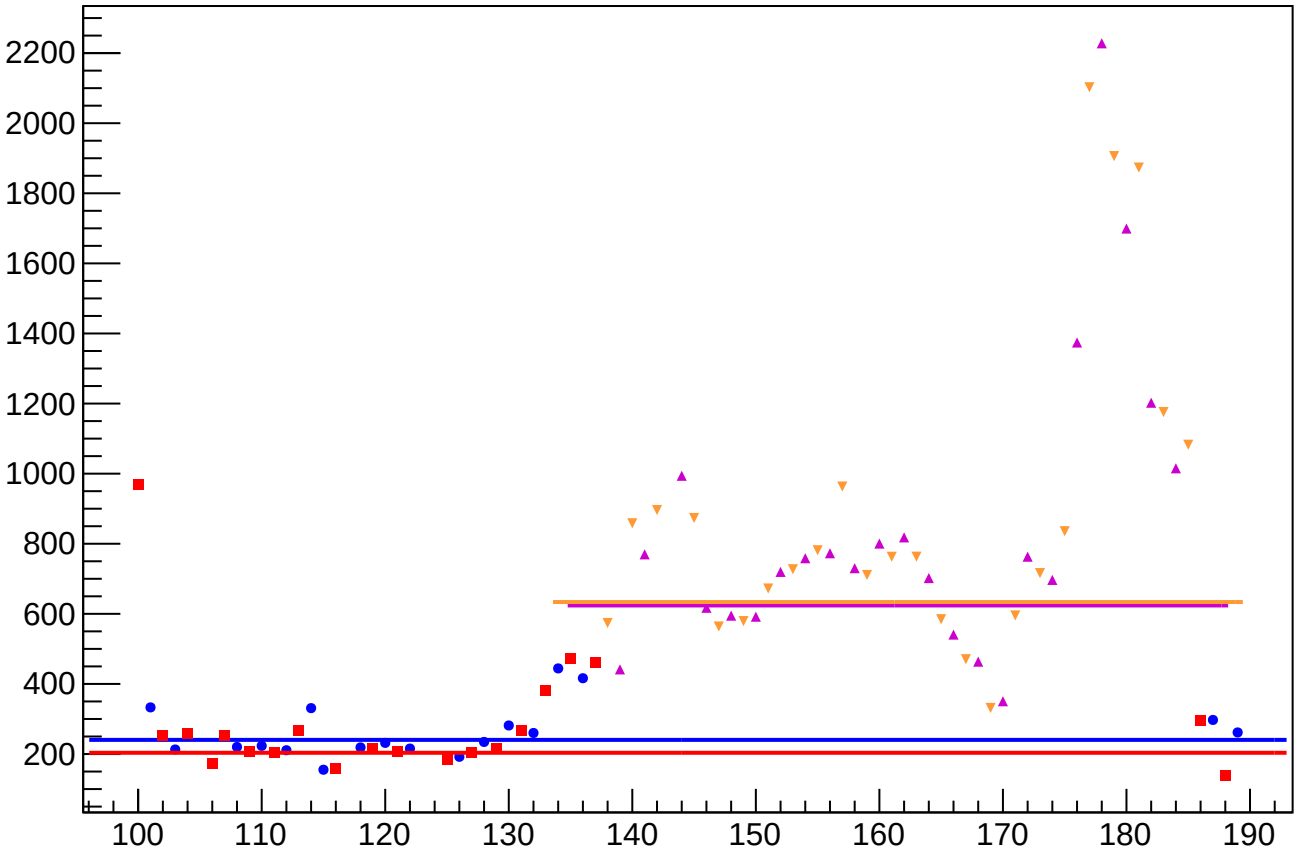
Right Out: -0.064+/-0.076 χ^2/NDF: 30.9/19

Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.078+/-0.079 χ^2/NDF: 45.5/41

All: -0.047+/-0.052 χ^2/NDF: 104.6/84

- sign -0.024+/-0.069 χ^2/NDF: 58.8/42



Right In: 240.384+/-0.064 χ^2/NDF: 827230.7/17

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

Right Out: 203.571+/-0.054 χ^2/NDF: 1406056.9/19

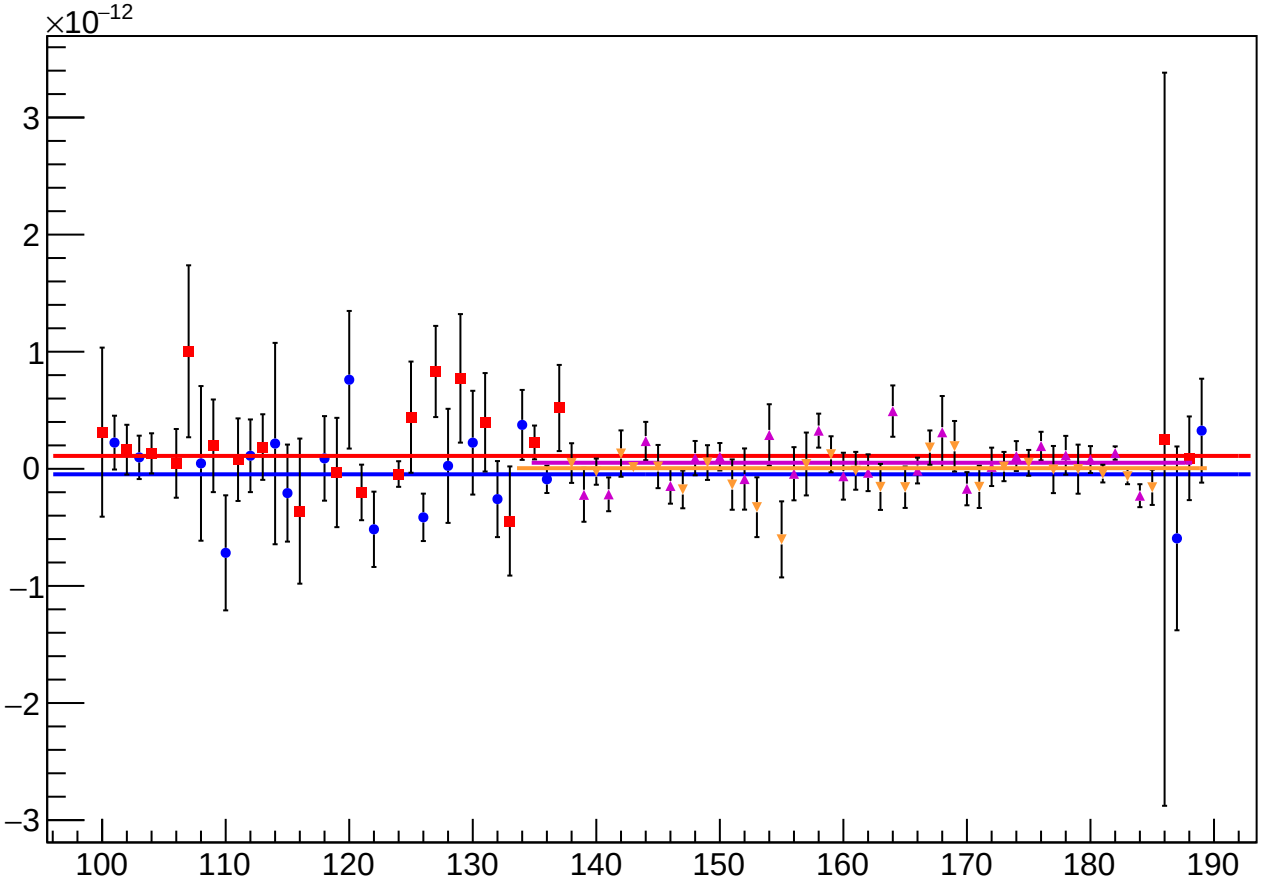
Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

+ sign 334.411+/-0.056 χ^2/NDF: 14854216.9/41

All: 305.339+/-0.037 χ^2/NDF: 32722655.6/84

- sign 283.210+/-0.049 χ^2/NDF: 17390613.6/42

asym_atl2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:15.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/20

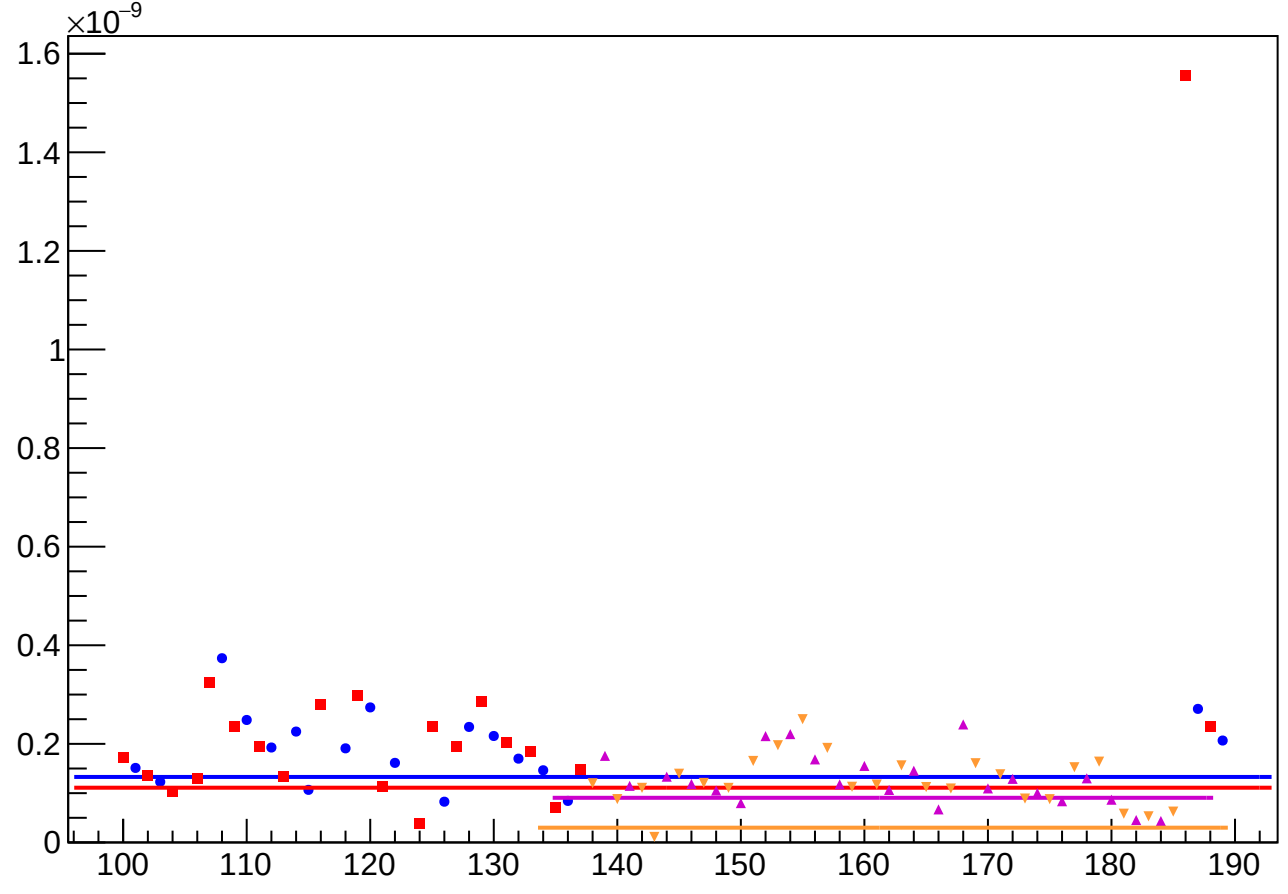
Left In: 0.000+/-0.000 χ^2/NDF:33.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 32.4/42

All: 0.000+/-0.000 χ^2/NDF: 86.3/86

- sign 0.000+/-0.000 χ^2/NDF: 49.5/43

asym_atl2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1454903.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:17263498.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3335935.2/20

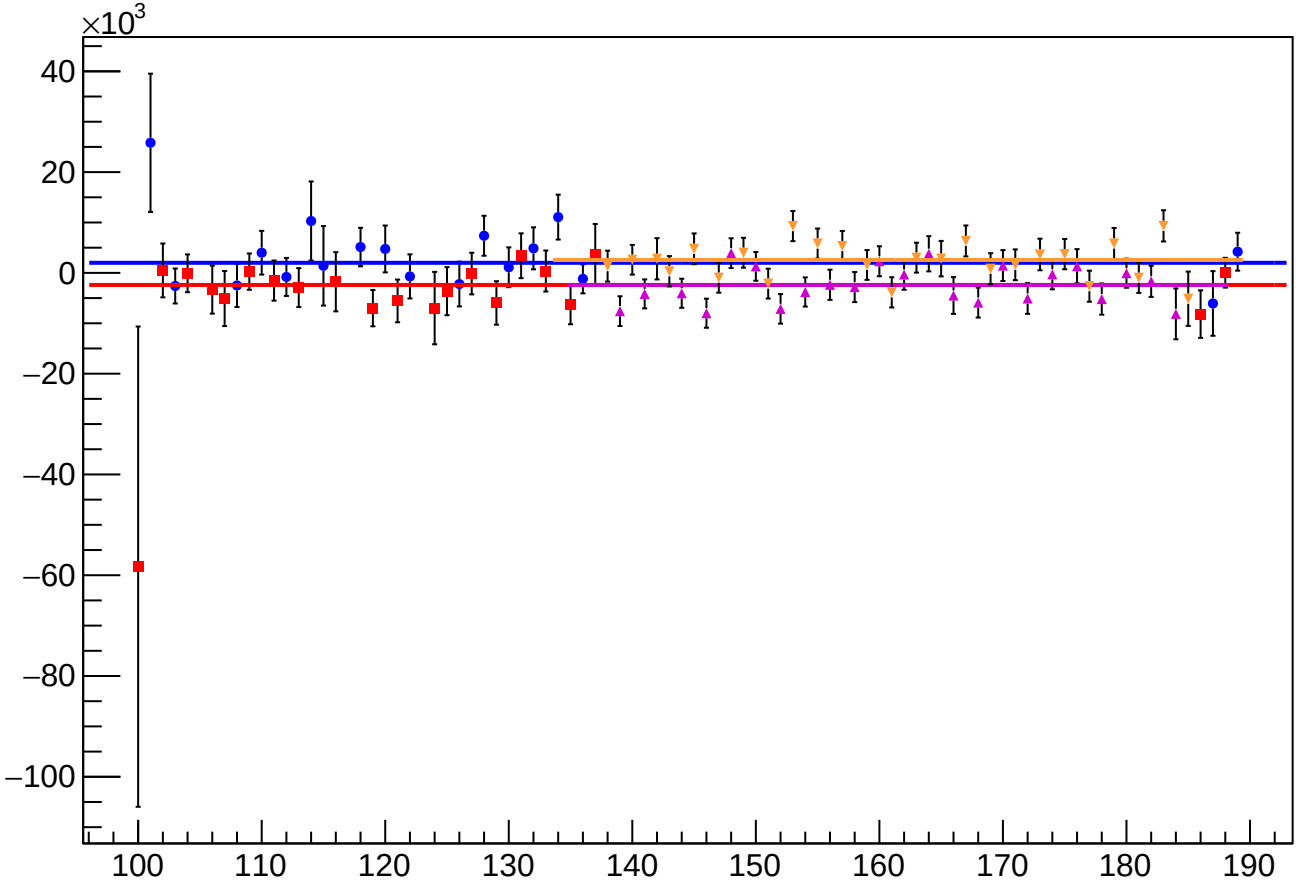
Left In: 0.000+/-0.000 χ^2/NDF:4716343.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 23318678.3/42

All: 0.000+/-0.000 χ^2/NDF: 40524069.4/86

- sign 0.000+/-0.000 χ^2/NDF: 8253276.3/43

reg_asym_atr1_mean vs Slug



Right In: 2002.990+/-1016.497 χ^2/NDF: 19.7/17

Left Out: 2556.827+/-621.829 χ^2/NDF:31.6/24

Right Out: -2392.396+/-956.903 χ^2/NDF: 12.9/20

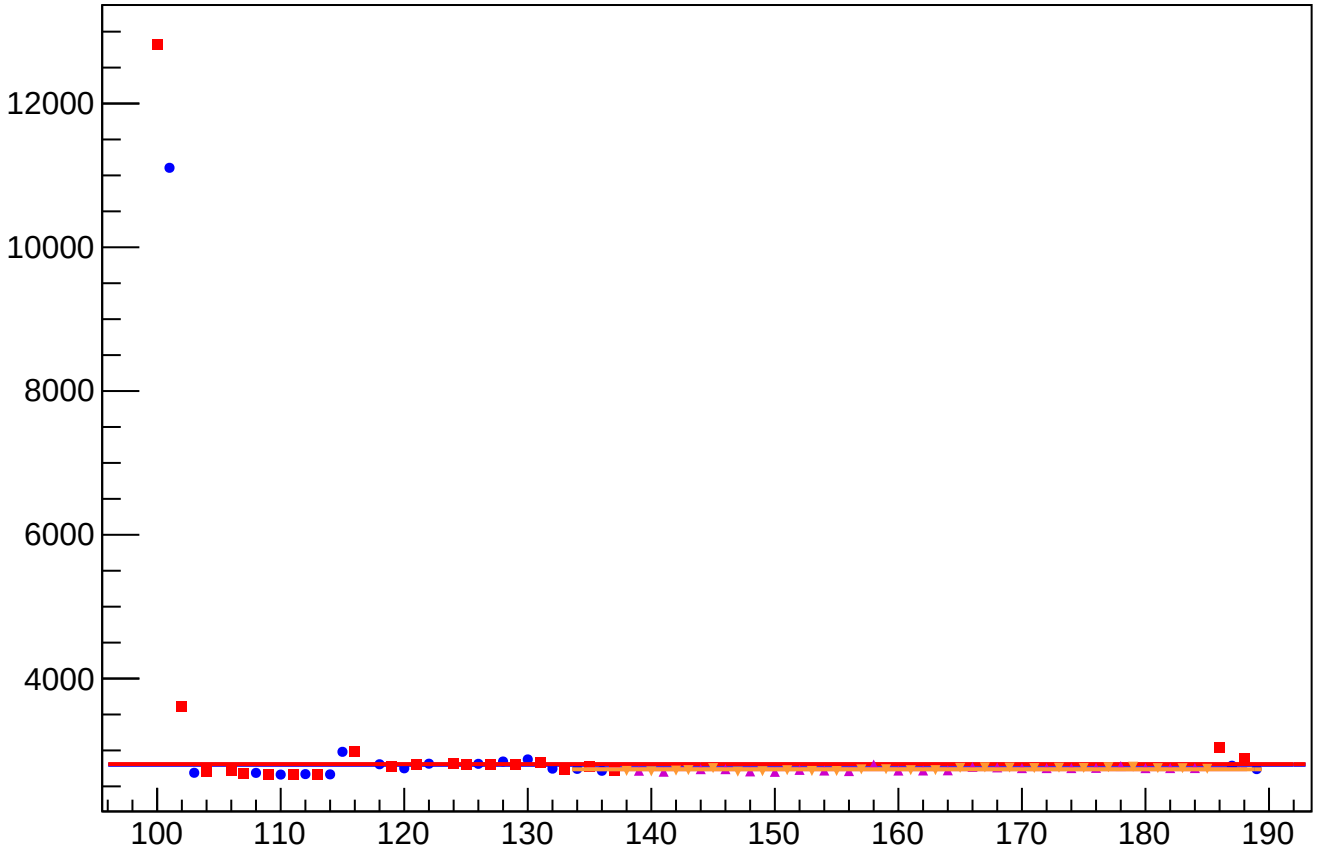
Left In: -2408.320+/-639.726 χ^2/NDF:31.4/22

+ sign 2406.009+/-530.448 χ^2/NDF: 51.5/42

All: 7.537+/-375.569 χ^2/NDF: 136.8/86

- sign -2403.401+/-531.825 χ^2/NDF: 44.3/43

reg_asym_atr1_rms vs Slug



Right In: 2800.213+/-0.719 χ^2/NDF: 746808.3/17

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2809.957+/-0.677 χ^2/NDF: 154000.8/20

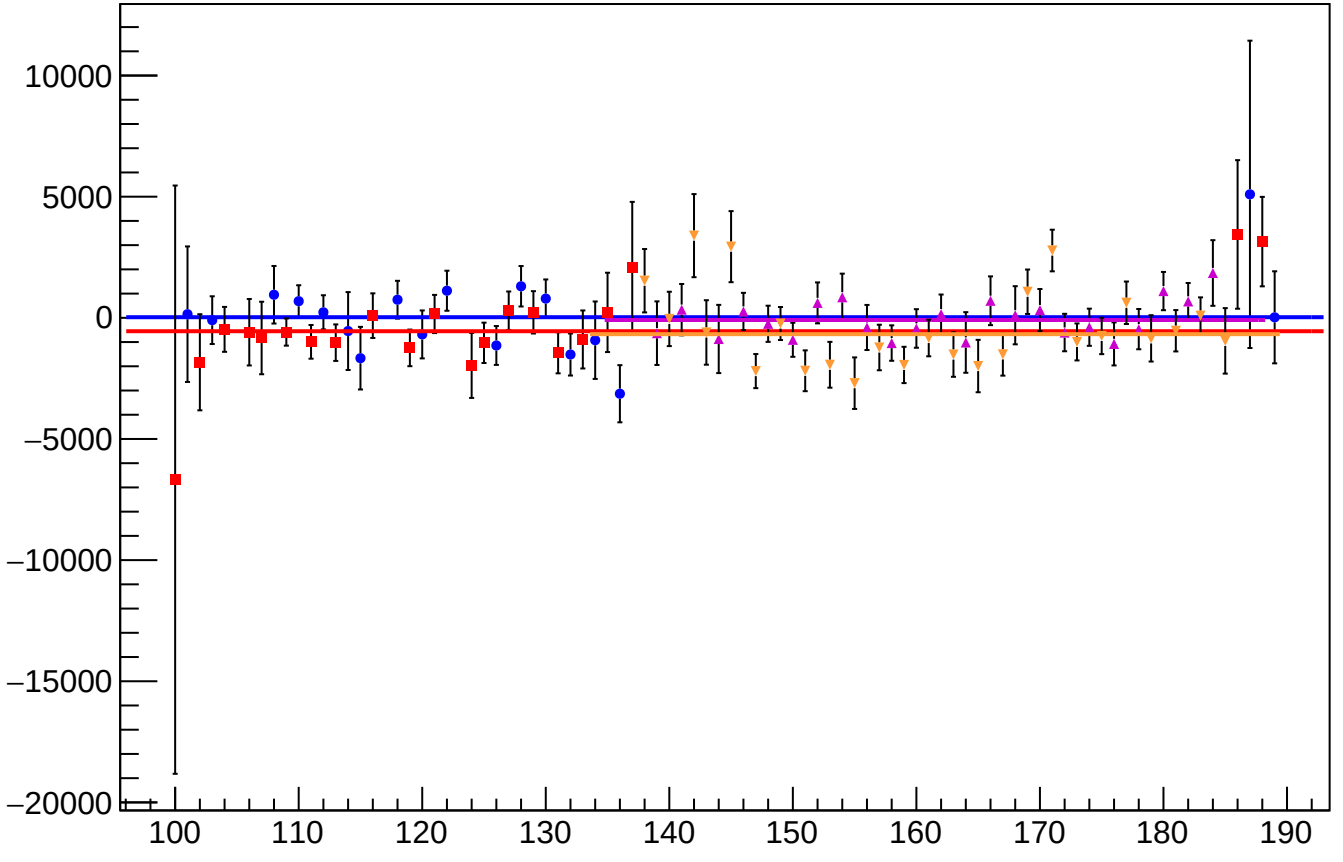
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2754.591+/-0.375 χ^2/NDF: 754662.1/42

All: 2758.044+/-0.266 χ^2/NDF: 919611.3/86

- sign 2761.514+/-0.376 χ^2/NDF: 164779.4/43

asym_atr1_reg_correction_mean vs Slug



Right In: 25.778+/-231.585 χ^2/NDF: 23.4/17

Left Out: -673.693+/-181.230 χ^2/NDF:58.4/24

Right Out: -552.700+/-213.963 χ^2/NDF: 15.1/20

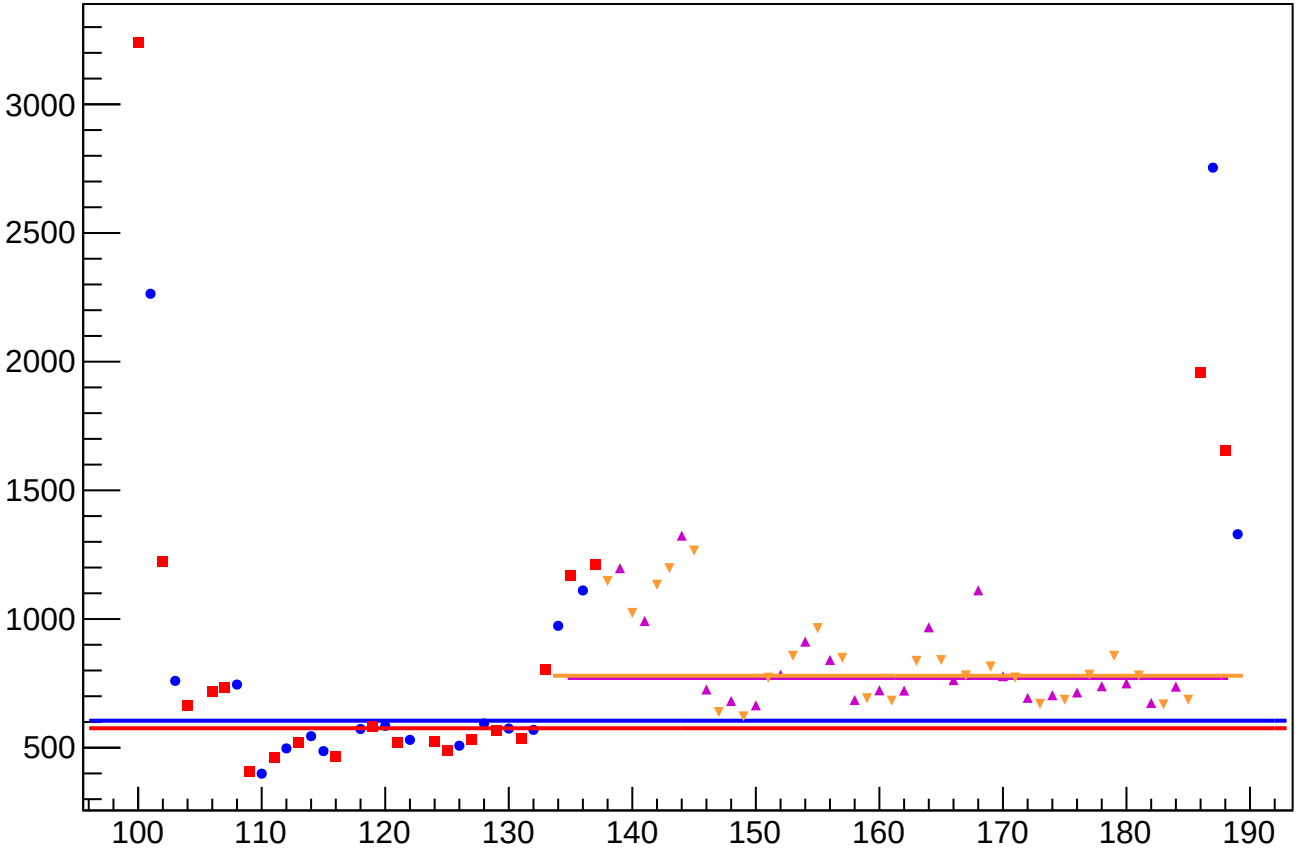
Left In: -89.519+/-183.491 χ^2/NDF:14.8/22

+ sign -408.026+/-142.723 χ^2/NDF: 87.4/42

All: -345.427+/-99.683 χ^2/NDF: 120.4/86

- sign -285.806+/-139.287 χ^2/NDF: 32.6/43

asym_atr1_reg_correction_rms vs Slug



Right In: 604.898+/-0.164 χ^2/NDF: 2095310.0/17

Left Out: 779.715+/-0.128 χ^2/NDF:1243743.5/24

Right Out: 575.610+/-0.151 χ^2/NDF: 2227823.7/20

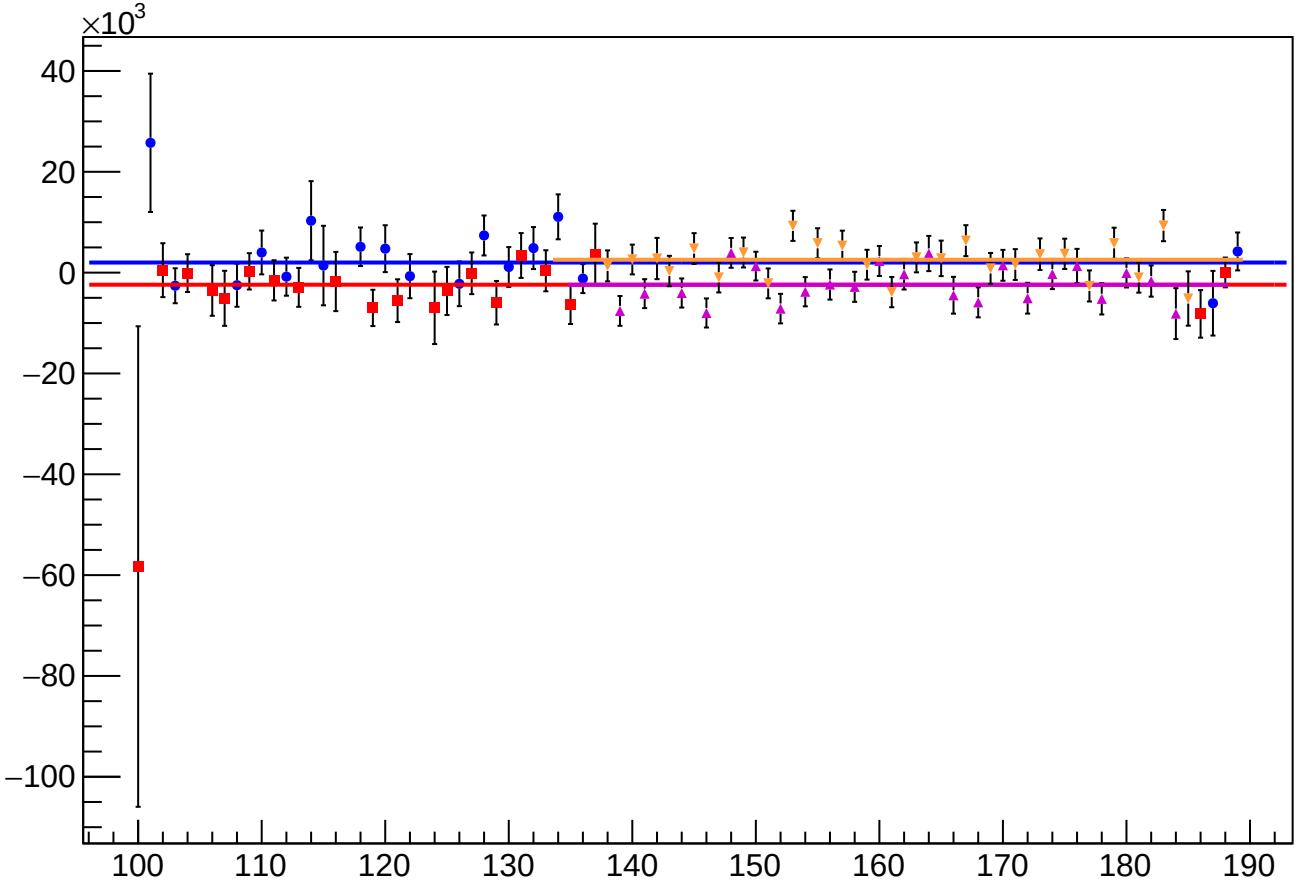
Left In: 770.795+/-0.130 χ^2/NDF:1076354.9/22

+ sign 713.318+/-0.101 χ^2/NDF: 4045858.0/42

All: 700.391+/-0.070 χ^2/NDF: 8341101.0/86

- sign 688.079+/-0.098 χ^2/NDF: 4263210.0/43

cor_asym_atr1_mean vs Slug



Right In: 2002.284+/-1016.497 χ^2/NDF: 19.7/17

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: -2397.388+/-958.784 χ^2/NDF: 13.0/20

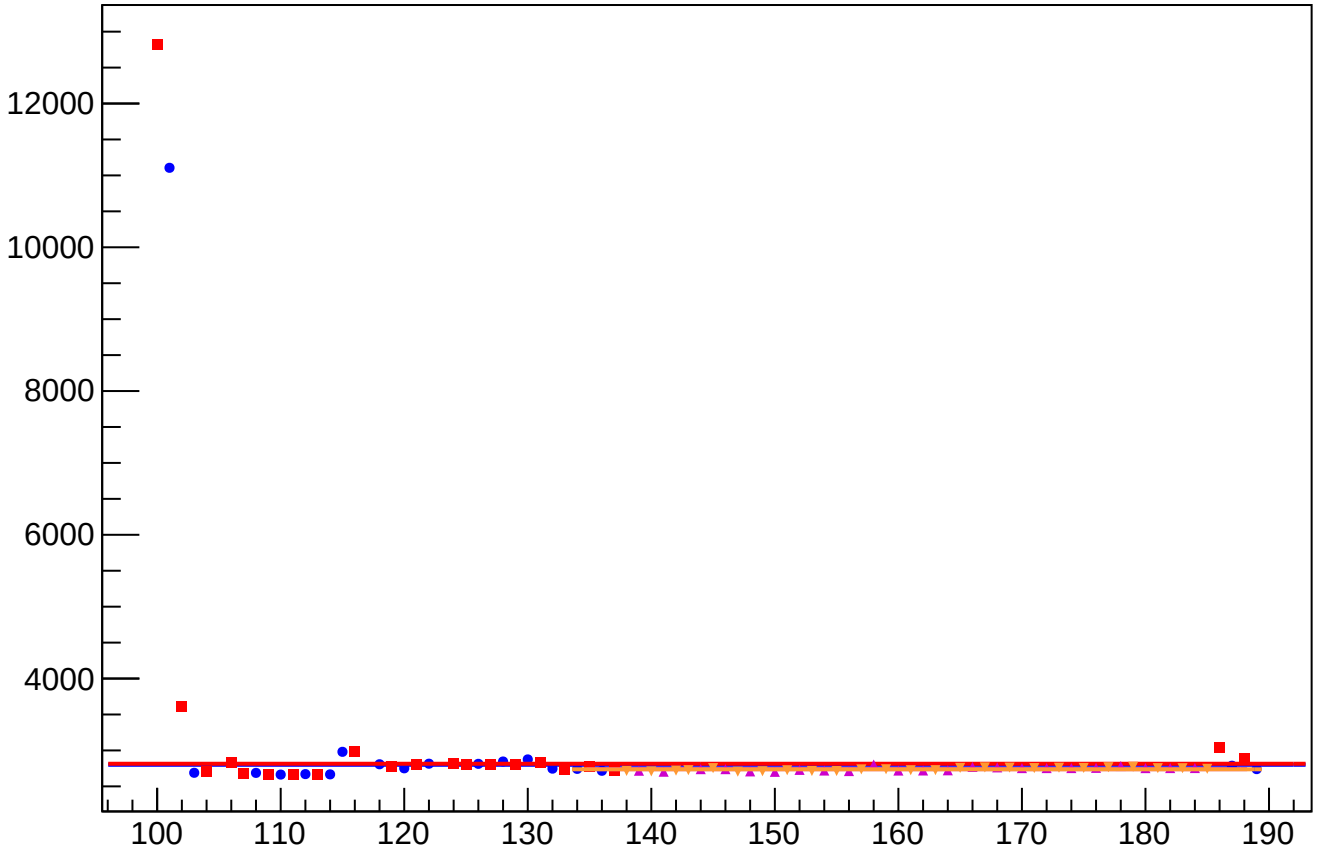
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2405.787+/-530.448 χ^2/NDF: 51.5/42

All: 8.061+/-375.682 χ^2/NDF: 136.8/86

- sign -2405.050+/-532.147 χ^2/NDF: 44.3/43

cor_asym_atr1_rms vs Slug



Right In: 2800.213+/-0.719 χ^2/NDF: 746807.4/17

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

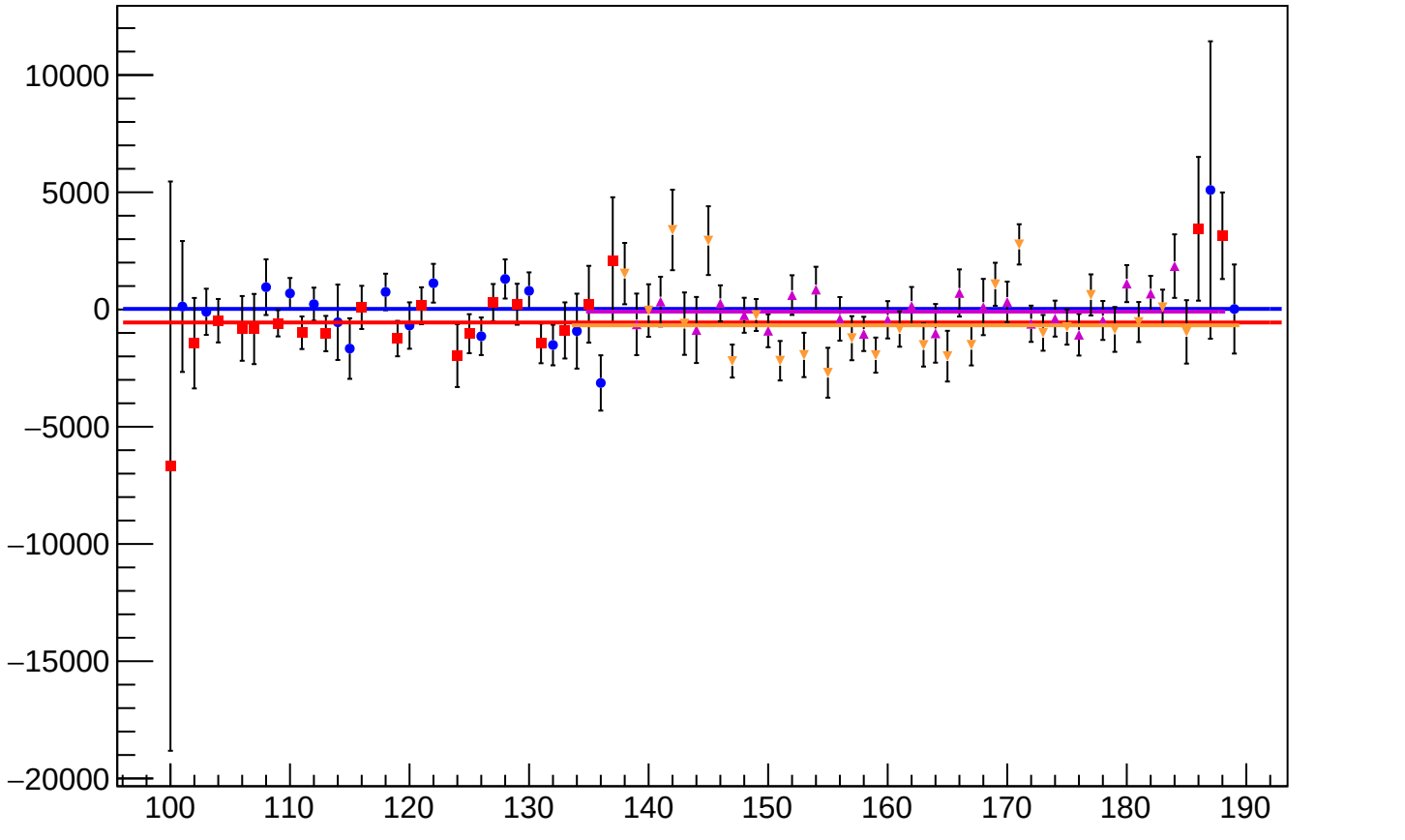
Right Out: 2814.594+/-0.678 χ^2/NDF: 153330.2/20

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2754.591+/-0.375 χ^2/NDF: 754661.2/42

All: 2758.724+/-0.266 χ^2/NDF: 920004.5/86

- sign 2762.884+/-0.376 χ^2/NDF: 165099.7/43



Right In: 25.738+/-231.573 χ^2/NDF: 23.4/17

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

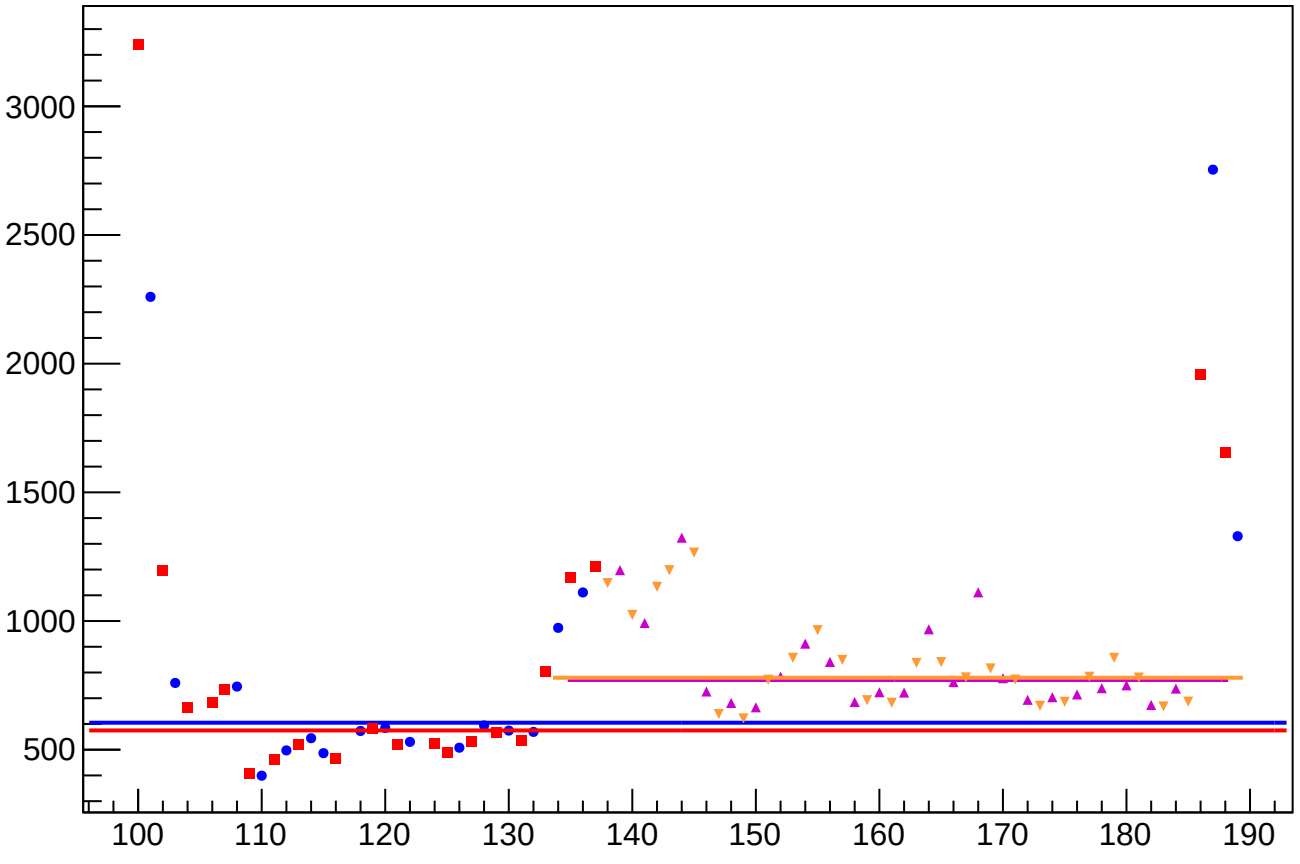
Right Out: -553.817+/-213.918 χ^2/NDF: 14.9/20

Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

+ sign -407.973+/-142.720 χ^2/NDF: 87.4/42

All: -345.701+/-99.678 χ^2/NDF: 120.2/86

- sign -286.400+/-139.275 χ^2/NDF: 32.4/43



Right In: 604.895+/-0.164 χ^2/NDF: 2094282.8/17

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

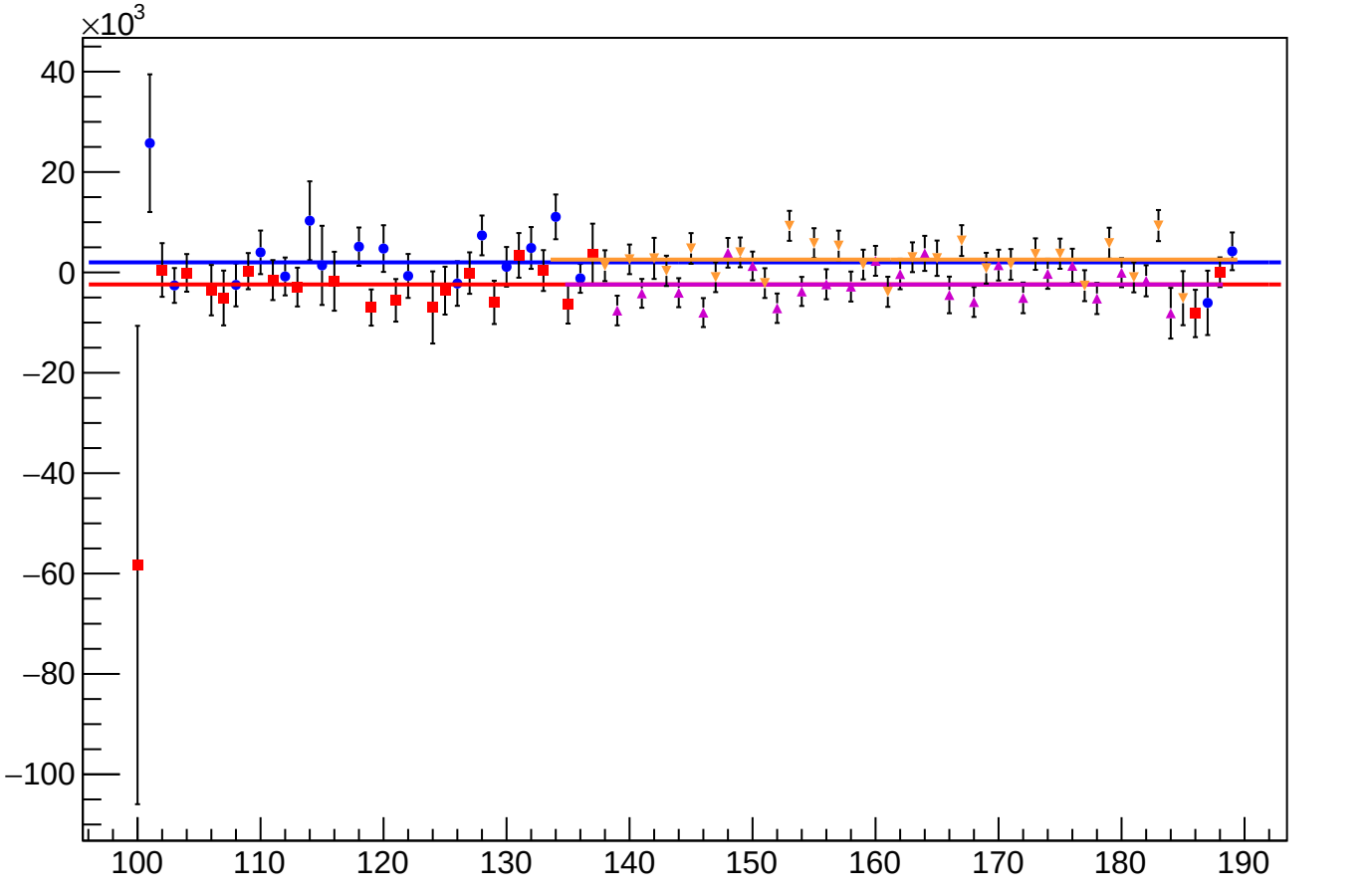
Right Out: 574.866+/-0.151 χ^2/NDF: 2213941.5/20

Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 713.311+/-0.101 χ^2/NDF: 4044910.1/42

All: 700.216+/-0.070 χ^2/NDF: 8334645.5/86

- sign 687.745+/-0.098 χ^2/NDF: 4256862.2/43



Right In: 2002.284+/-1016.497 χ^2/NDF: 19.7/17

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: -2397.388+/-958.784 χ^2/NDF: 13.0/20

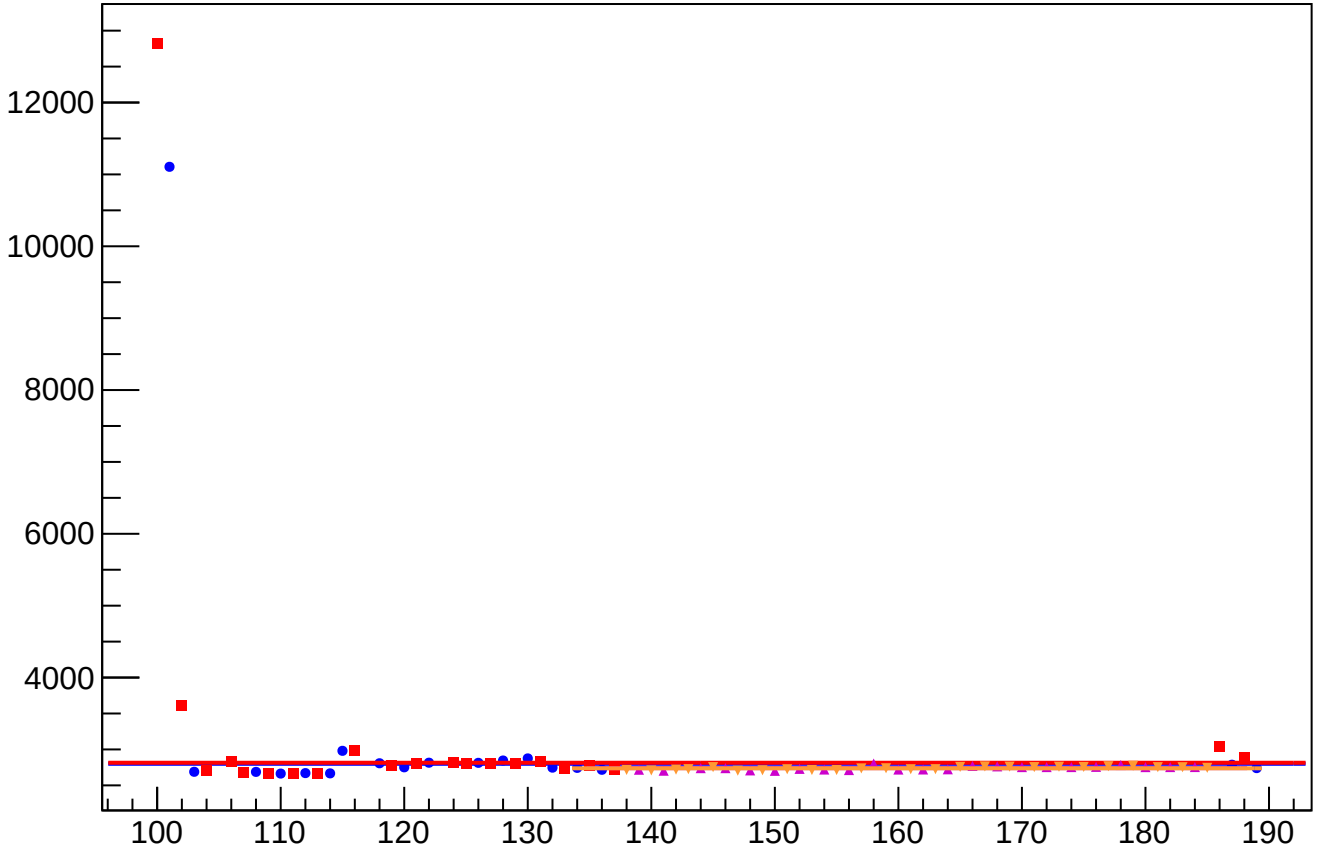
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2405.787+/-530.448 χ^2/NDF: 51.5/42

All: 8.061+/-375.682 χ^2/NDF: 136.8/86

- sign -2405.050+/-532.147 χ^2/NDF: 44.3/43

eigen_cor_asym_atr1_rms vs Slug



Right In: 2800.213+/-0.719 χ^2/NDF: 746807.4/17

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2814.594+/-0.678 χ^2/NDF: 153330.2/20

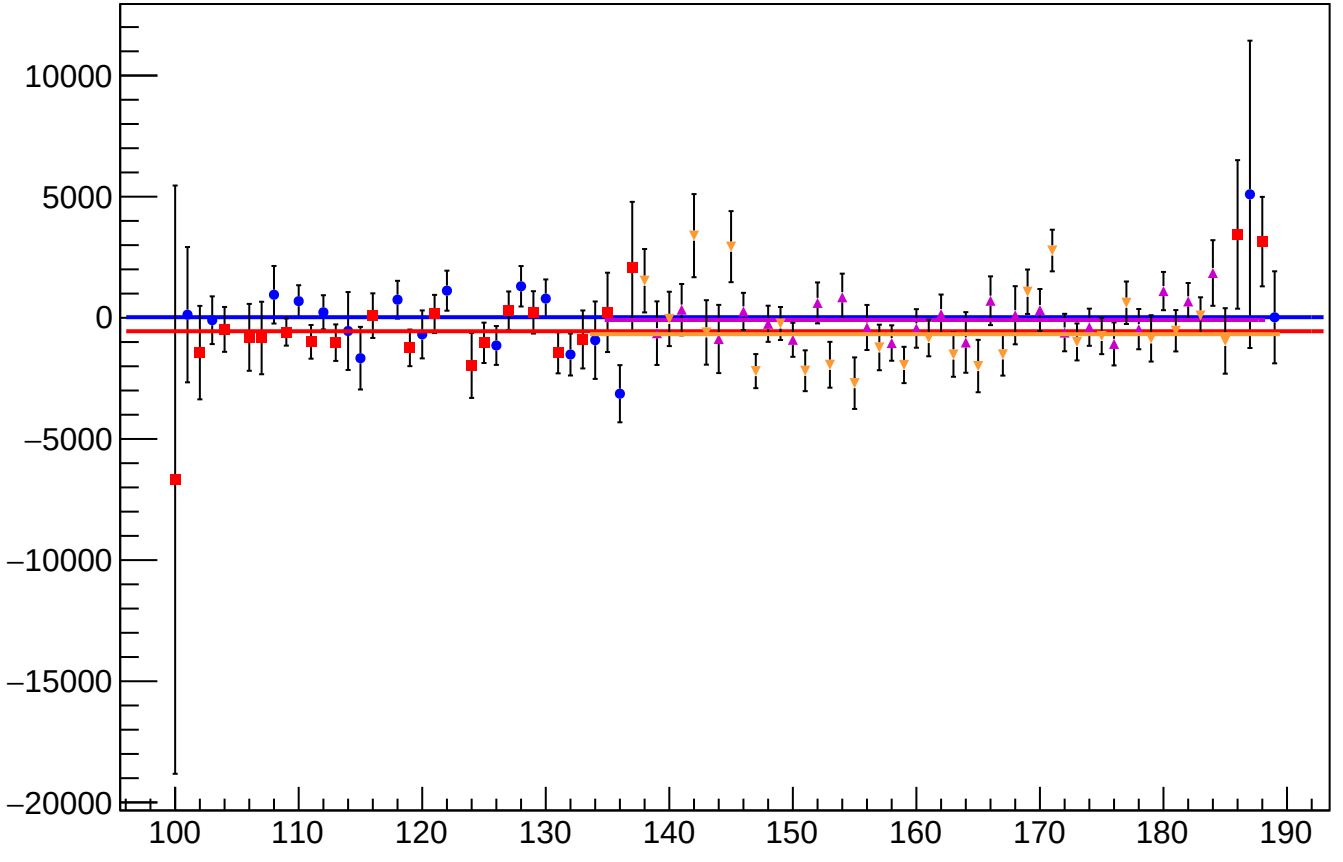
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2754.591+/-0.375 χ^2/NDF: 754661.2/42

All: 2758.724+/-0.266 χ^2/NDF: 920004.5/86

- sign 2762.884+/-0.376 χ^2/NDF: 165099.7/43

asym_atr1_eigen_cor_correction_mean vs Slug



Right In: 25.738+/-231.573 χ^2/NDF: 23.4/17

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: -553.817+/-213.918 χ^2/NDF: 14.9/20

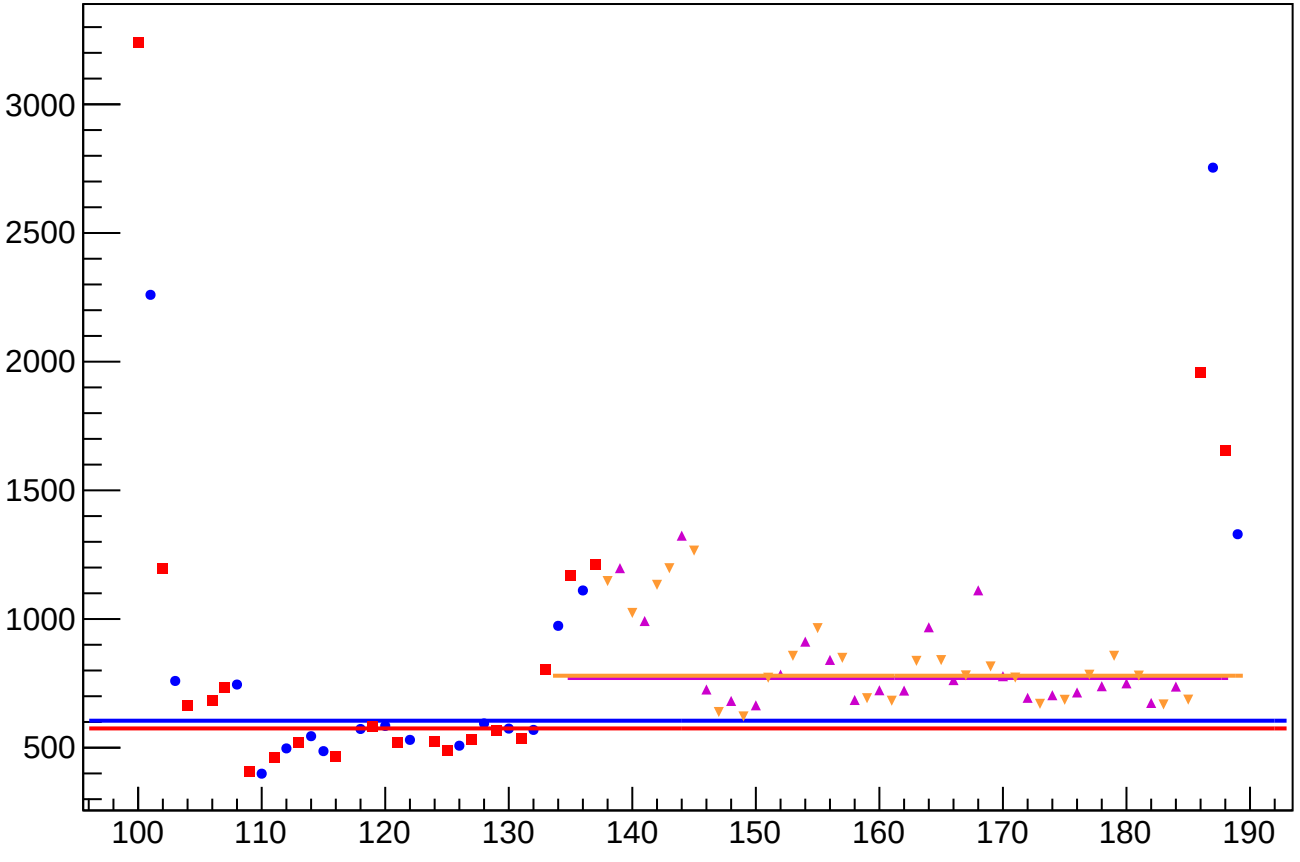
Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

+ sign -407.973+/-142.720 χ^2/NDF: 87.4/42

All: -345.701+/-99.678 χ^2/NDF: 120.2/86

- sign -286.400+/-139.275 χ^2/NDF: 32.4/43

asym_atr1_eigen_cor_correction_rms vs Slug



Right In: 604.895+/-0.164 χ^2/NDF: 2094282.8/17

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 574.866+/-0.151 χ^2/NDF: 2213941.5/20

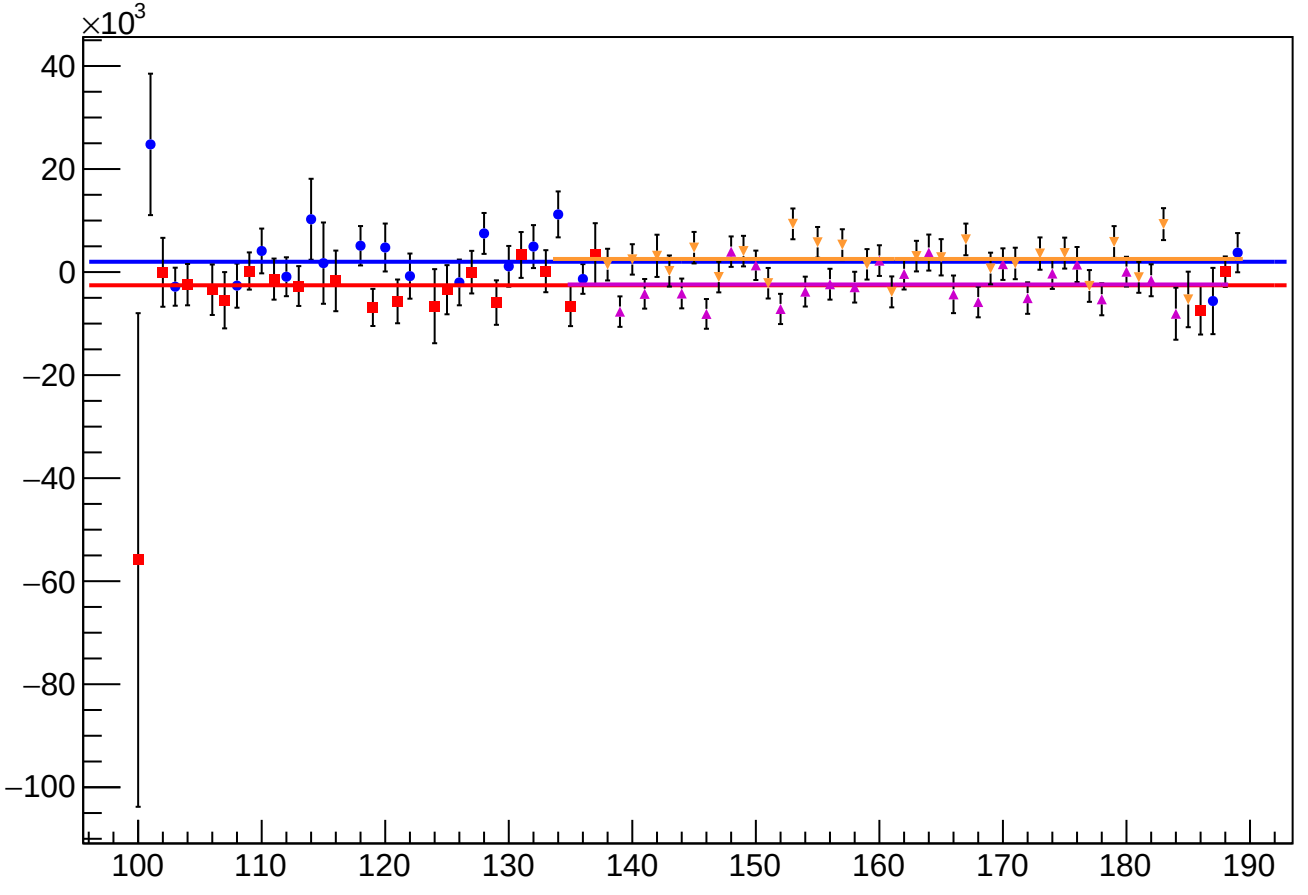
Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 713.311+/-0.101 χ^2/NDF: 4044910.1/42

All: 700.216+/-0.070 χ^2/NDF: 8334645.5/86

- sign 687.745+/-0.098 χ^2/NDF: 4256862.2/43

dit_asym_atr1_mean vs Slug



Right In: 2002.084+/-1023.260 χ^2/NDF: 19.5/17

Left Out: 2545.043+/-622.236 χ^2/NDF:31.9/24

Right Out: -2563.200+/-968.571 χ^2/NDF: 11.8/20

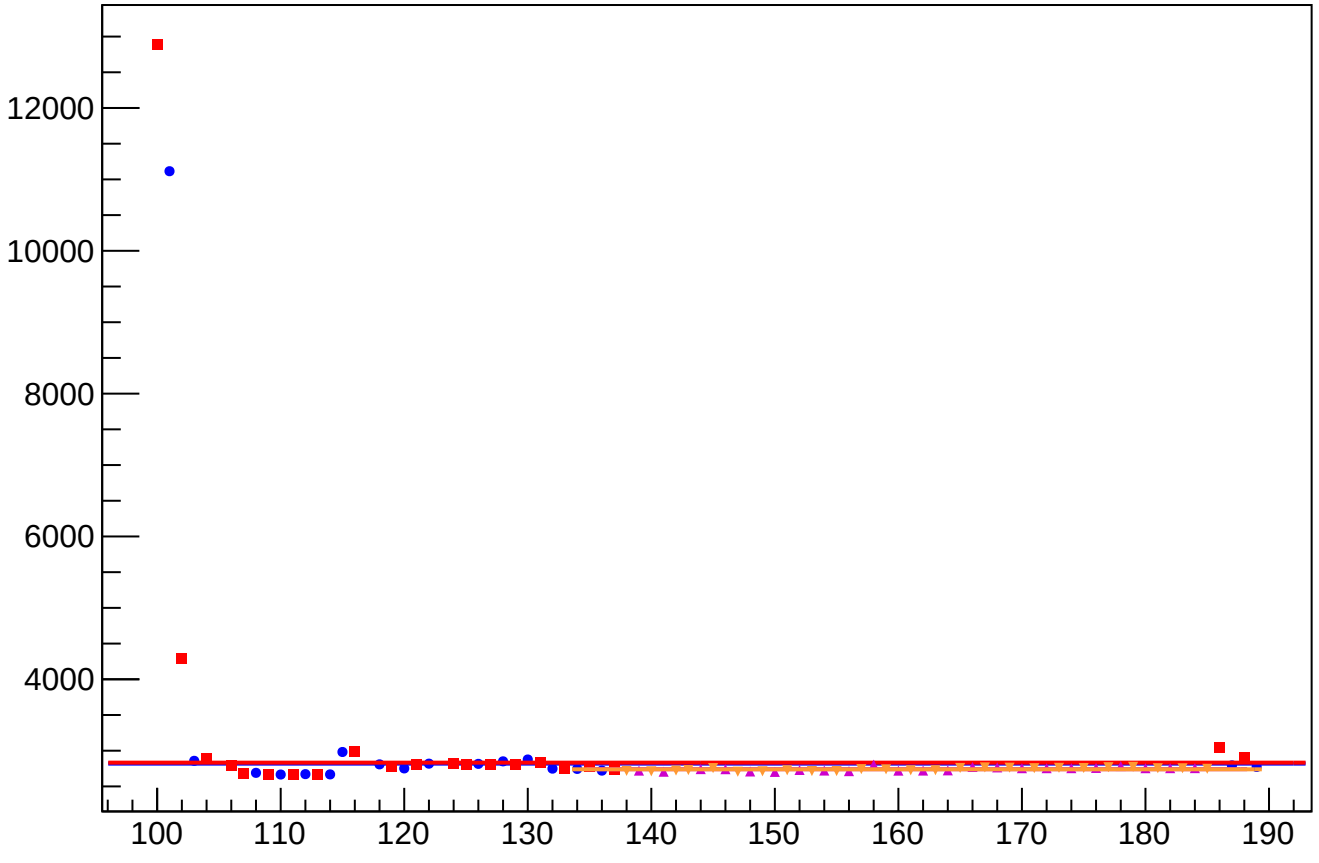
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2398.470+/-531.656 χ^2/NDF: 51.6/42

All: -17.231+/-376.767 χ^2/NDF: 136.7/86

- sign -2454.382+/-534.011 χ^2/NDF: 43.6/43

dit_asym_atr1_rms vs Slug



Right In: 2819.033+/-0.724 χ^2/NDF: 744278.0/17

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

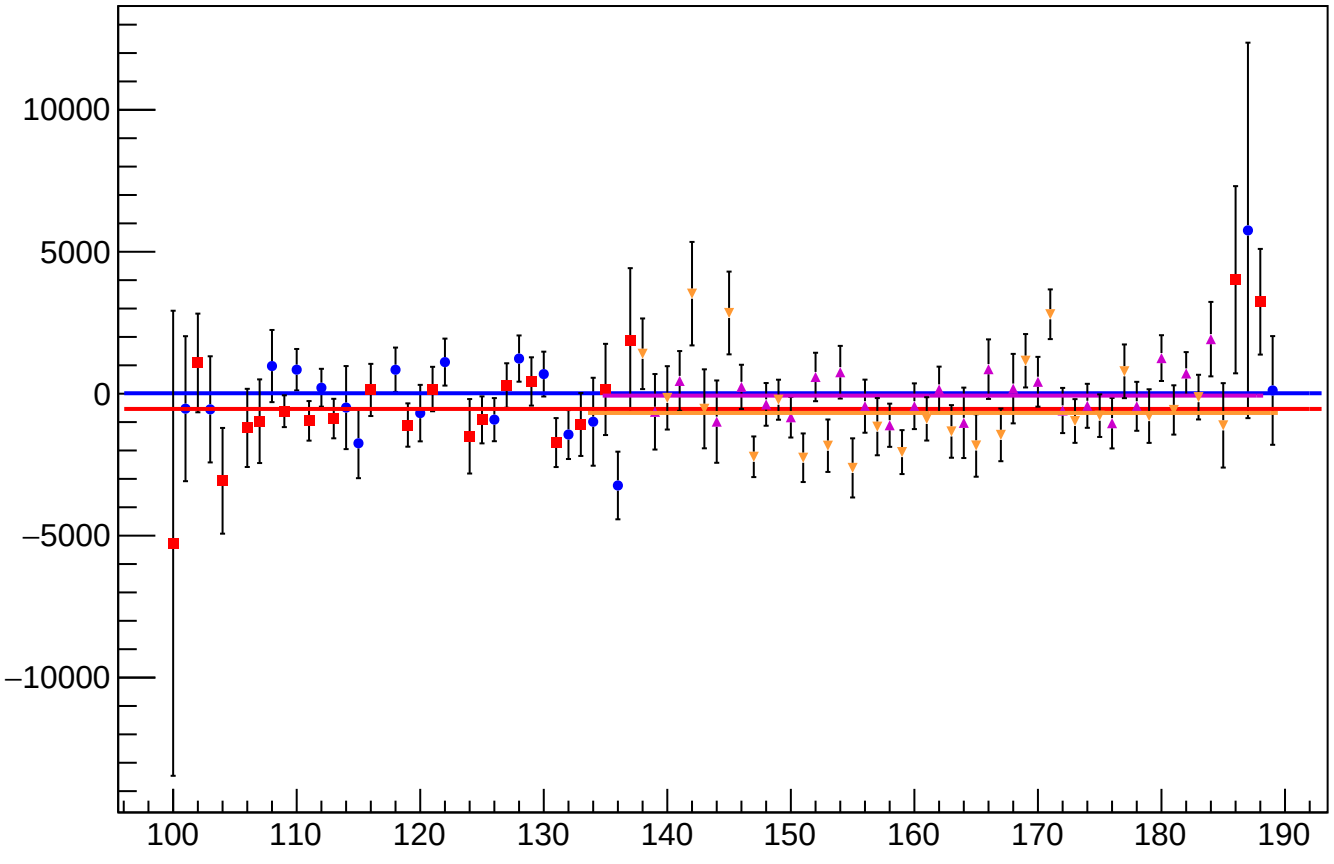
Right Out: 2832.685+/-0.685 χ^2/NDF: 206199.4/20

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2760.827+/-0.376 χ^2/NDF: 755464.5/42

All: 2764.966+/-0.266 χ^2/NDF: 977644.4/86

- sign 2769.142+/-0.378 χ^2/NDF: 221936.4/43



Right In: 15.964+/-235.500 χ^2/NDF: 23.6/17

Left Out: -678.226+/-185.004 χ^2/NDF:56.2/24

Right Out: -536.554+/-215.172 χ^2/NDF: 18.3/20

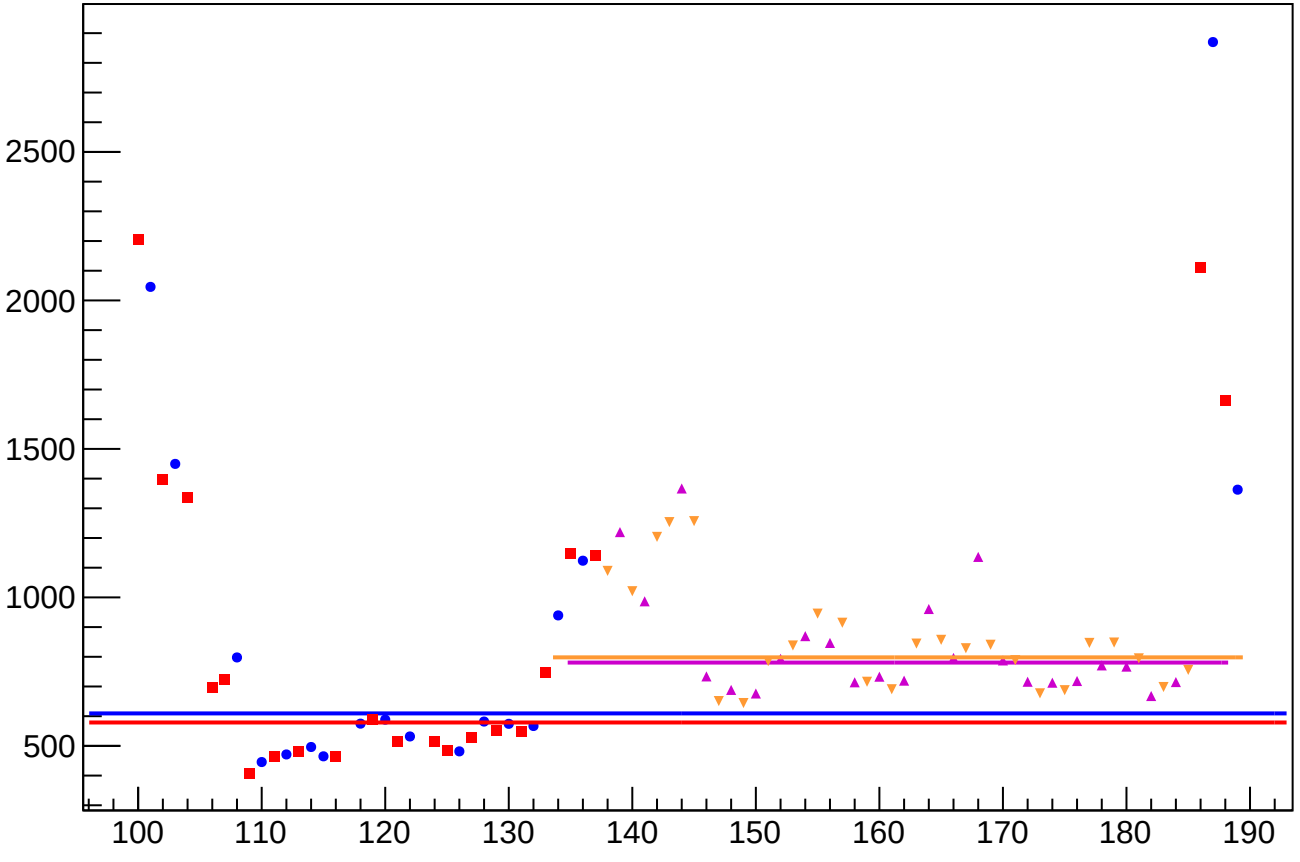
Left In: -67.156+/-185.436 χ^2/NDF:15.8/22

+ sign -413.307+/-145.482 χ^2/NDF: 85.2/42

All: -337.695+/-101.052 χ^2/NDF: 122.5/86

- sign -267.204+/-140.469 χ^2/NDF: 36.8/43

asym_atr1_dit_correction_rms vs Slug



Right In: 609.362+/-0.167 χ^2/NDF: 2403537.1/17

Left Out: 798.091+/-0.131 χ^2/NDF:1168352.1/24

Right Out: 578.780+/-0.152 χ^2/NDF: 2760182.7/20

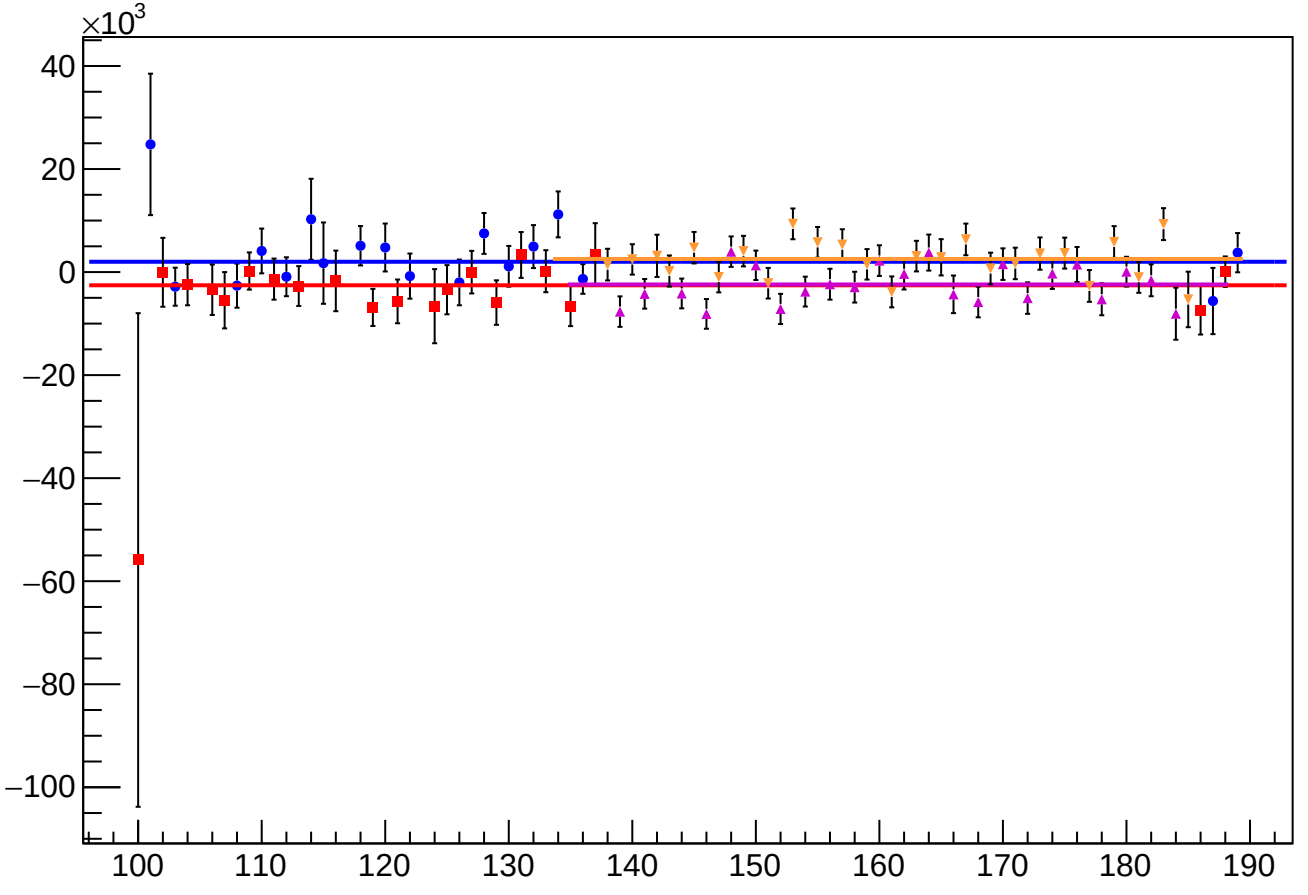
Left In: 780.525+/-0.131 χ^2/NDF:1064827.5/22

+ sign 726.068+/-0.103 χ^2/NDF: 4366183.9/42

All: 709.754+/-0.071 χ^2/NDF: 9248669.9/86

- sign 694.546+/-0.099 χ^2/NDF: 4833893.9/43

eigen_dit_asym_atr1_mean vs Slug



Right In: 2002.084+/-1023.260 χ^2/NDF: 19.5/17

Left Out: 2545.044+/-622.236 χ^2/NDF:31.9/24

Right Out: -2563.197+/-968.571 χ^2/NDF: 11.8/20

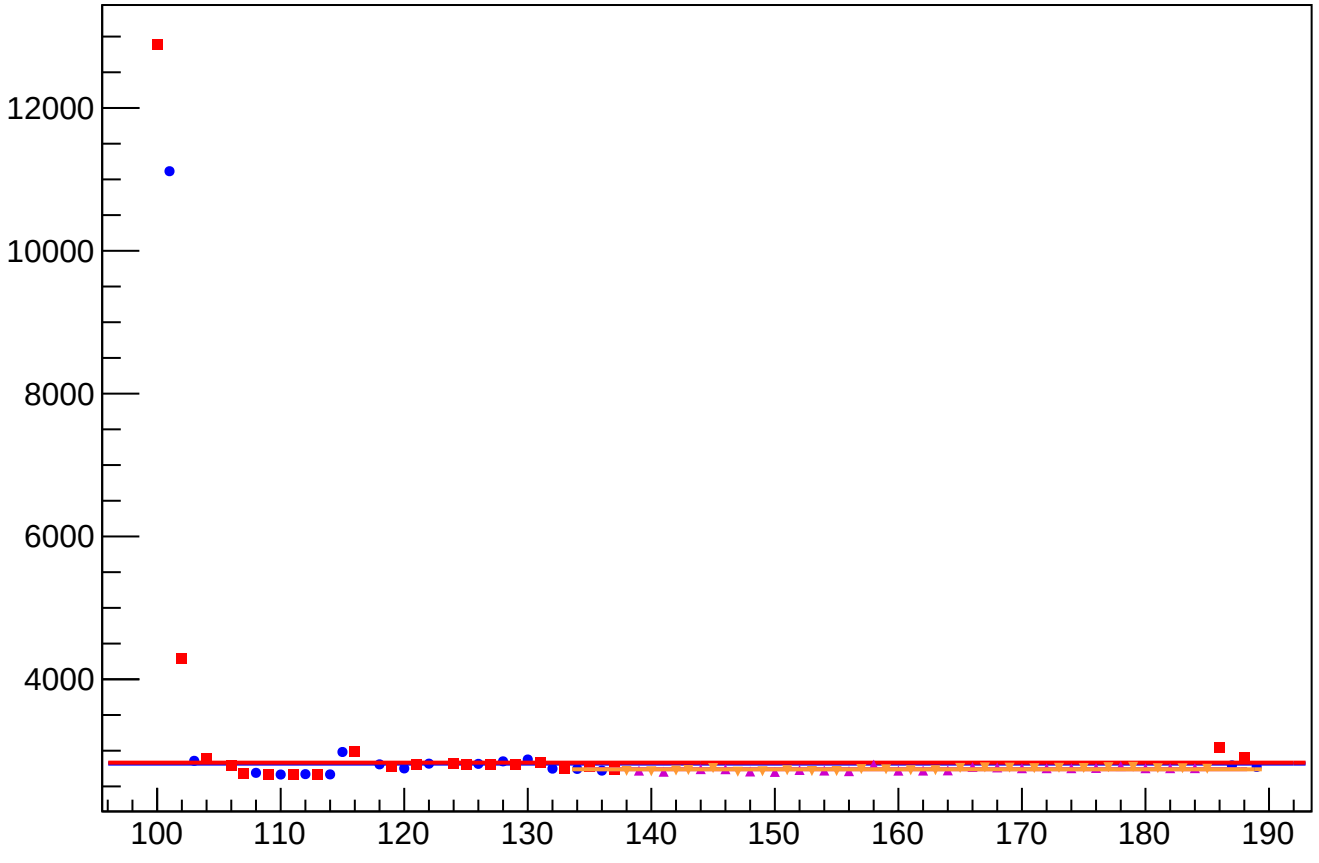
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2398.470+/-531.655 χ^2/NDF: 51.6/42

All: -17.231+/-376.767 χ^2/NDF: 136.7/86

- sign -2454.381+/-534.011 χ^2/NDF: 43.6/43

eigen_dit_asym_atr1_rms vs Slug



Right In: 2819.033+/-0.724 χ^2/NDF: 744278.0/17

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

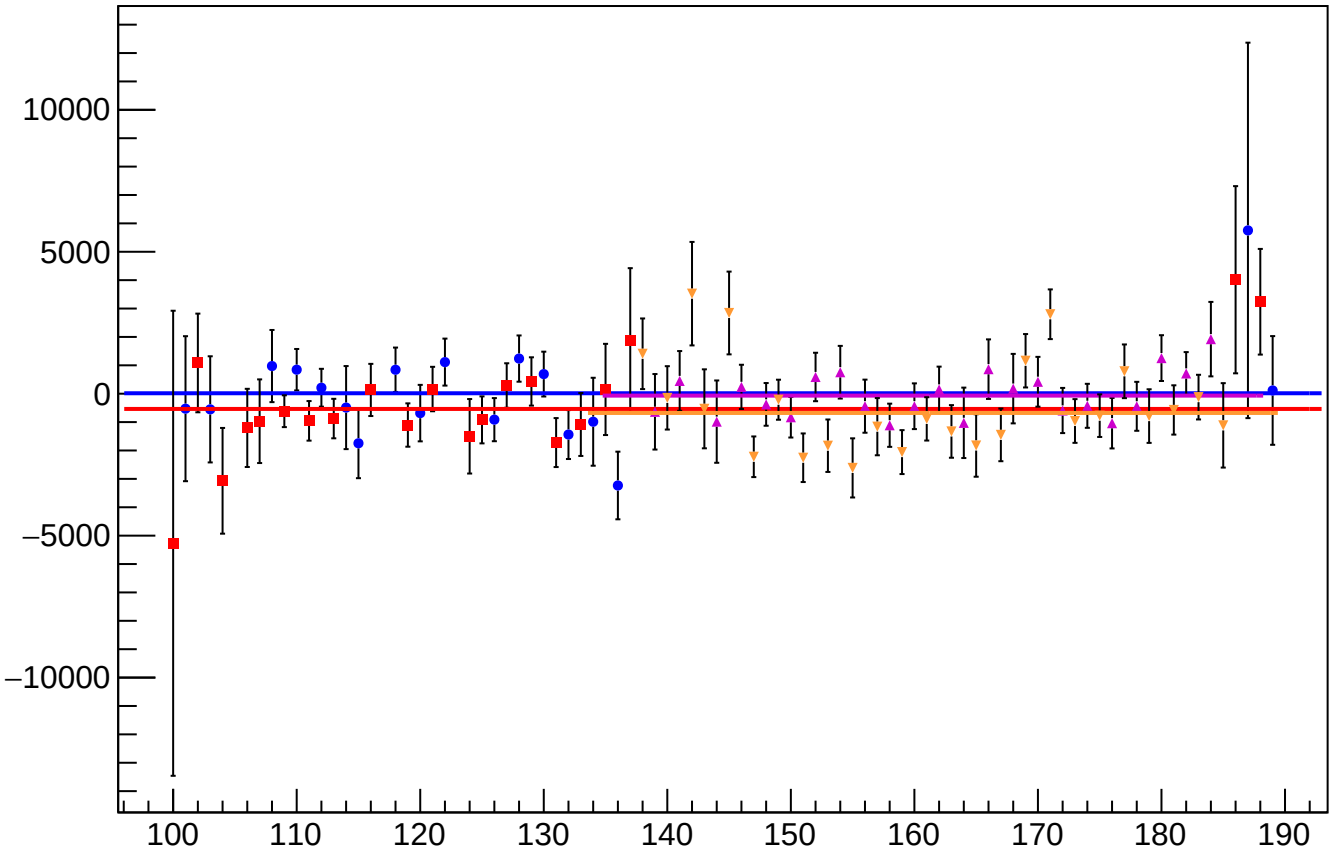
Right Out: 2832.685+/-0.685 χ^2/NDF: 206199.3/20

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2760.827+/-0.376 χ^2/NDF: 755464.5/42

All: 2764.966+/-0.266 χ^2/NDF: 977644.2/86

- sign 2769.142+/-0.378 χ^2/NDF: 221936.2/43



Right In: 15.964+/-235.500 χ^2/NDF: 23.6/17

Left Out: -678.227+/-185.004 χ^2/NDF:56.2/24

Right Out: -536.554+/-215.172 χ^2/NDF: 18.3/20

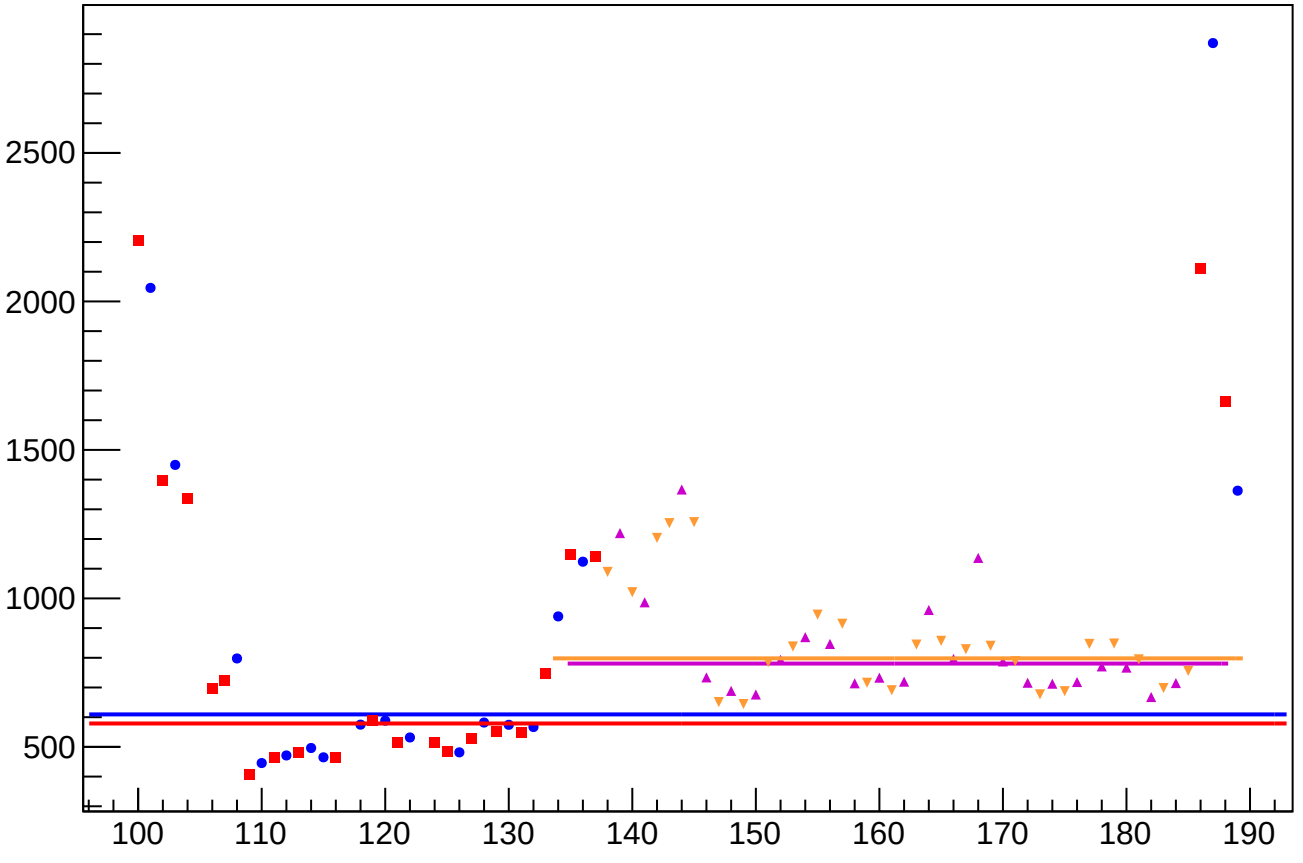
Left In: -67.157+/-185.436 χ^2/NDF:15.8/22

+ sign -413.308+/-145.482 χ^2/NDF: 85.2/42

All: -337.695+/-101.052 χ^2/NDF: 122.5/86

- sign -267.204+/-140.469 χ^2/NDF: 36.8/43

asym_atr1_eigen_dit_correction_rms vs Slug



Right In: 609.362+/-0.167 χ^2/NDF: 2403531.7/17

Left Out: 798.092+/-0.131 χ^2/NDF:1168353.9/24

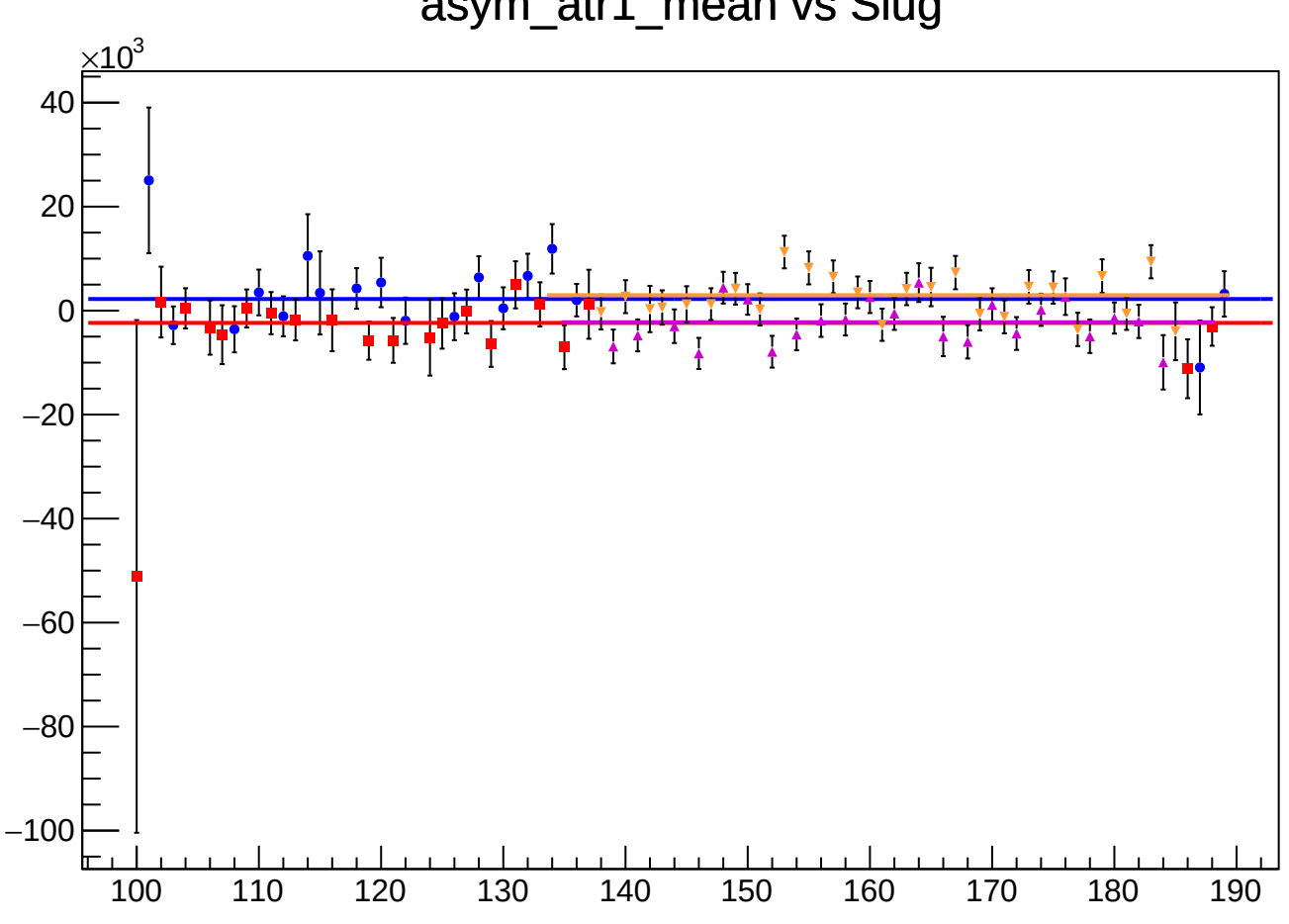
Right Out: 578.780+/-0.152 χ^2/NDF: 2760181.1/20

Left In: 780.525+/-0.131 χ^2/NDF:1064830.7/22

\+ sign 726.068+/-0.103 χ^2/NDF: 4366176.9/42

All: 709.755+/-0.071 χ^2/NDF: 9248662.2/86

\- sign 694.546+/-0.099 χ^2/NDF: 4833892.4/43



Right In: 2233.428+/-1064.688 χ^2/NDF: 19.0/17

Left Out: 2969.337+/-653.286 χ^2/NDF:35.7/24

Right Out: -2363.604+/-1015.863 χ^2/NDF: 12.9/20

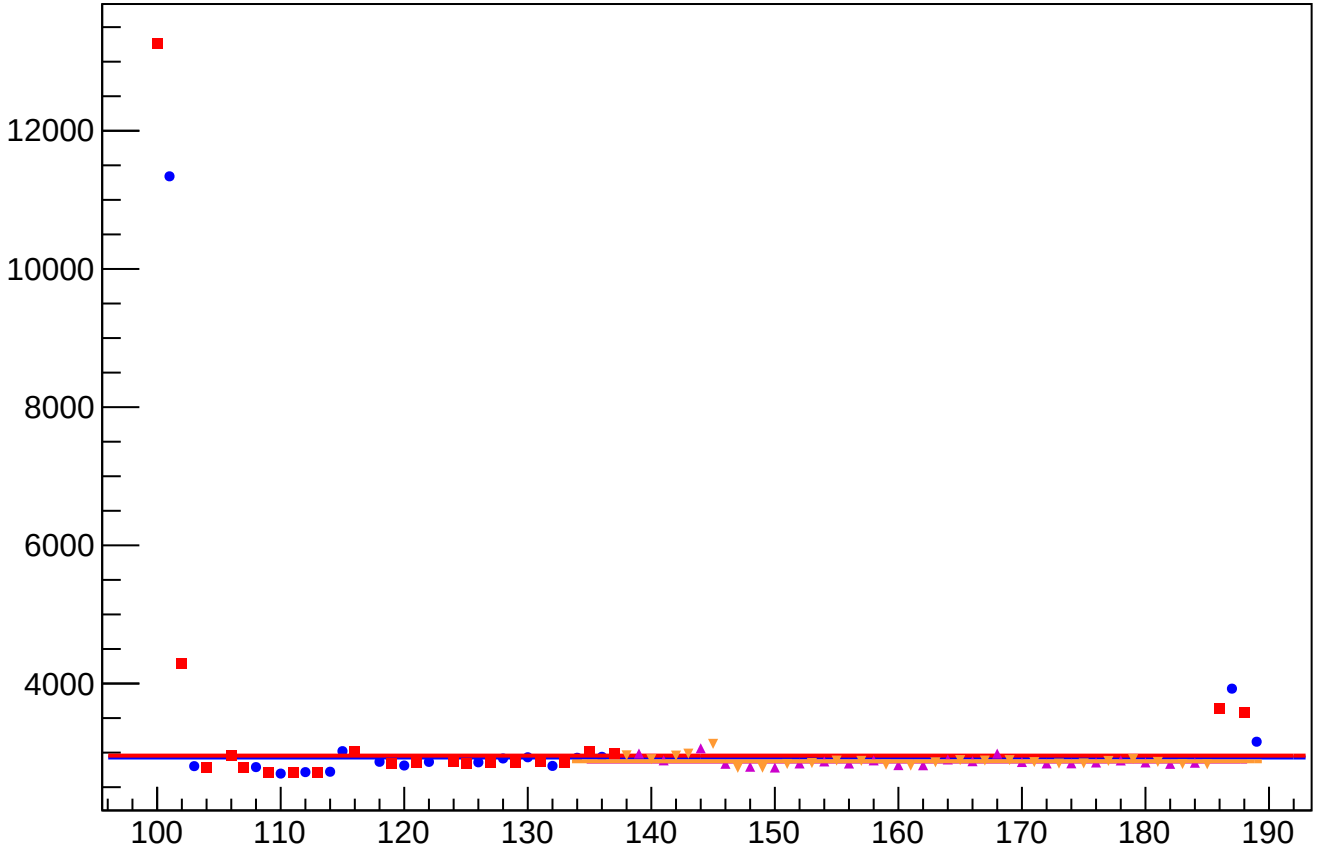
Left In: -2237.495+/-670.327 χ^2/NDF:33.8/22

+ sign 2768.052+/-556.821 χ^2/NDF: 55.1/42

All: 258.244+/-394.675 χ^2/NDF: 142.6/86

- sign -2275.749+/-559.497 χ^2/NDF: 46.7/43

asym_atr1_rms vs Slug



Right In: 2929.504+/-0.753 χ^2/NDF: 773092.5/17

Left Out: 2874.933+/-0.462 χ^2/NDF:21788.8/24

Right Out: 2956.815+/-0.718 χ^2/NDF: 290925.5/20

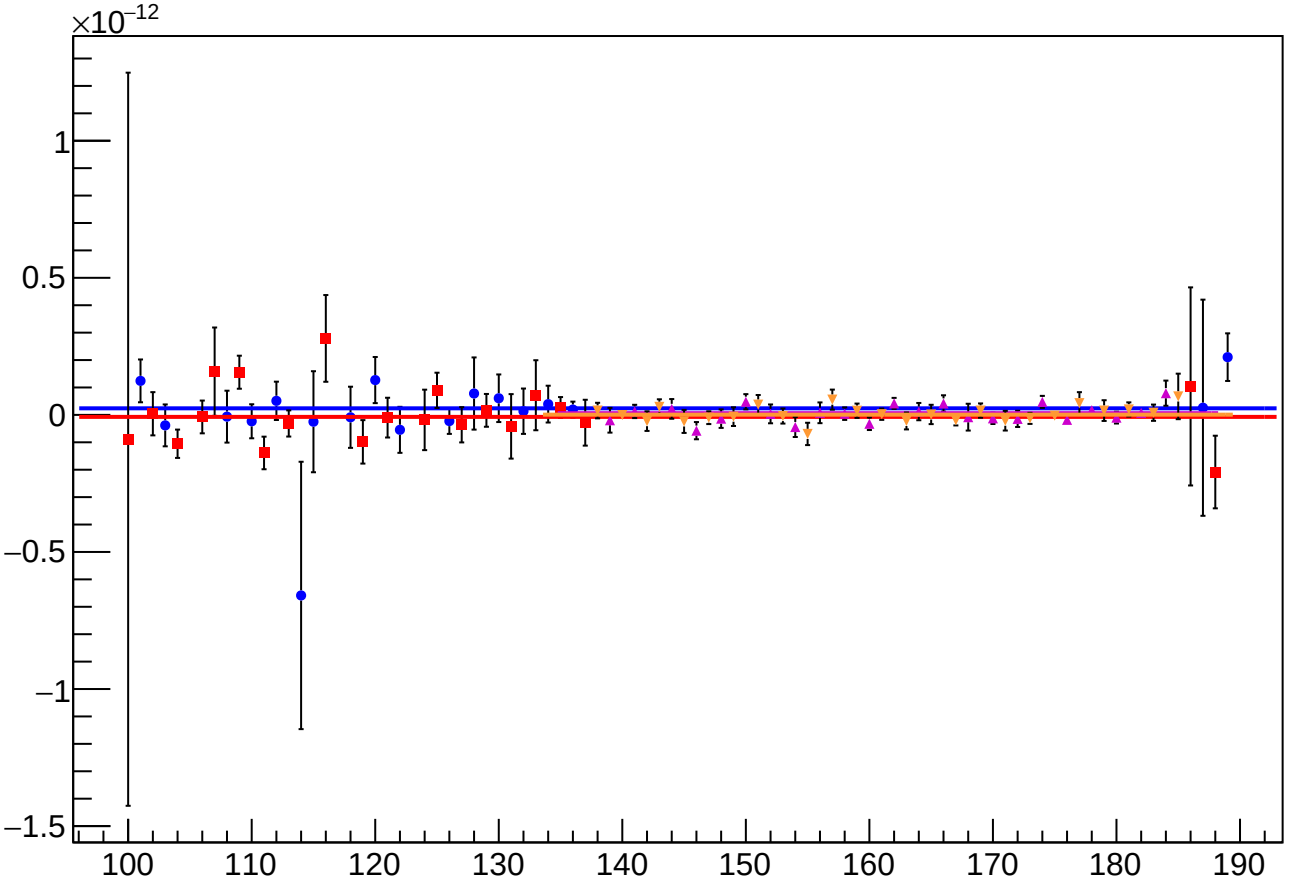
Left In: 2870.153+/-0.474 χ^2/NDF:17687.5/22

+ sign 2889.859+/-0.394 χ^2/NDF: 798698.4/42

All: 2893.134+/-0.279 χ^2/NDF: 1117590.4/86

- sign 2896.441+/-0.396 χ^2/NDF: 318753.0/43

asym_atr1_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 13.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:14.4/24

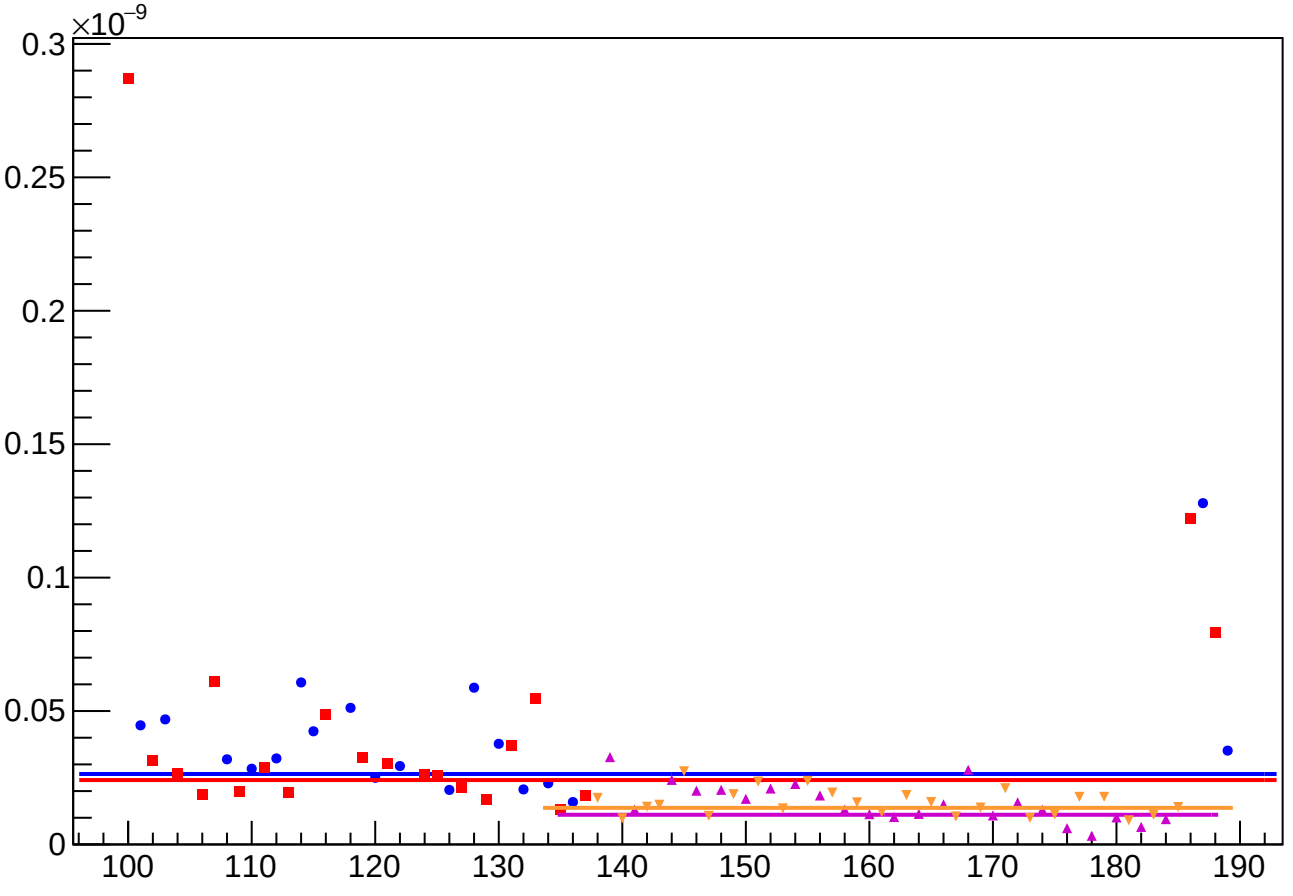
Right Out: -0.000+/-0.000 χ^2/NDF: 28.1/20

Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 29.9/42

All: 0.000+/-0.000 χ^2/NDF: 86.7/86

- sign 0.000+/-0.000 χ^2/NDF: 56.8/43



Right In: 0.000+/-0.000 χ^2/NDF: 1020330.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:1210269.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1189694.6/20

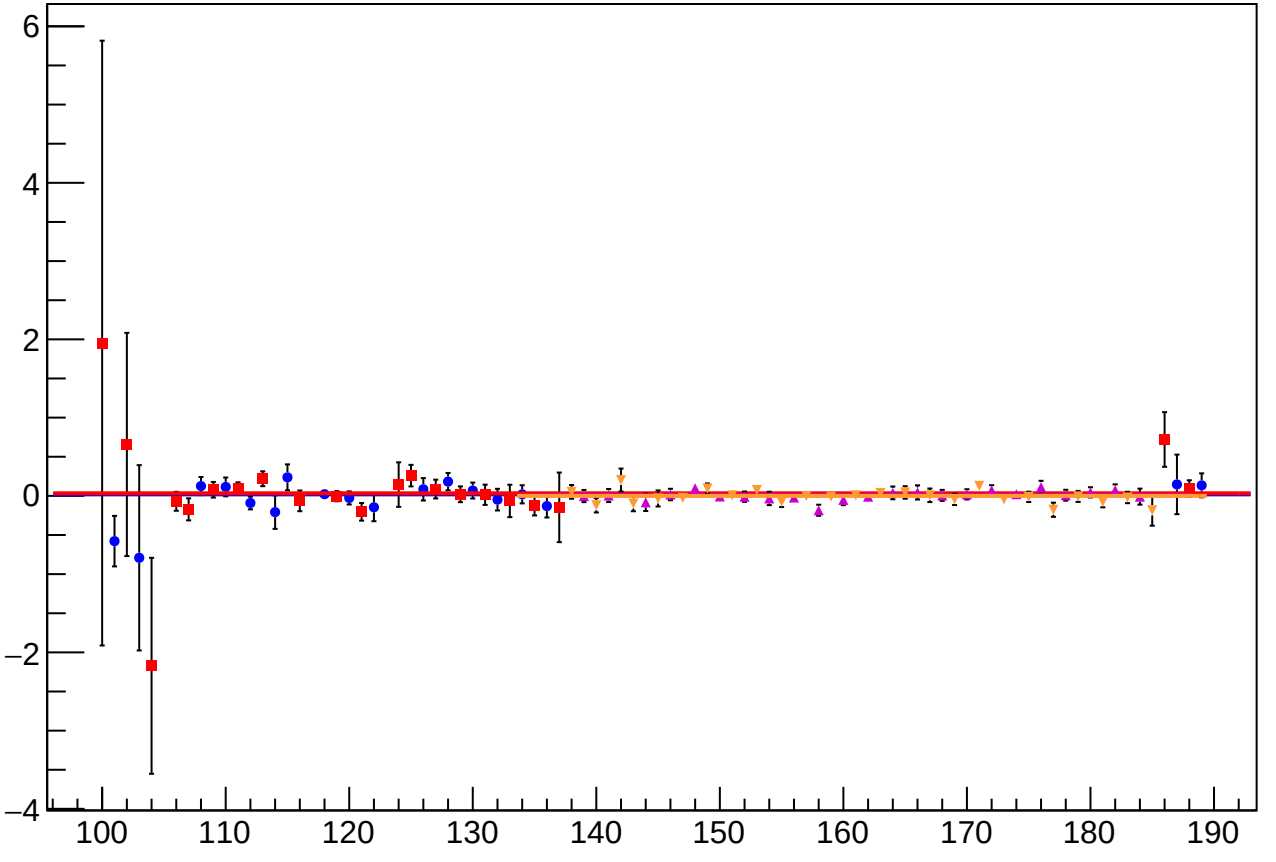
Left In: 0.000+/-0.000 χ^2/NDF:3166775.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 3291290.8/42

All: 0.000+/-0.000 χ^2/NDF: 9187710.2/86

- sign 0.000+/-0.000 χ^2/NDF: 5621927.1/43

asym_atr1_dit_vs_cor_diff_mean vs Slug



Right In: 0.019+/-0.027 χ^2/NDF: 15.7/17

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.033+/-0.027 χ^2/NDF: 25.1/20

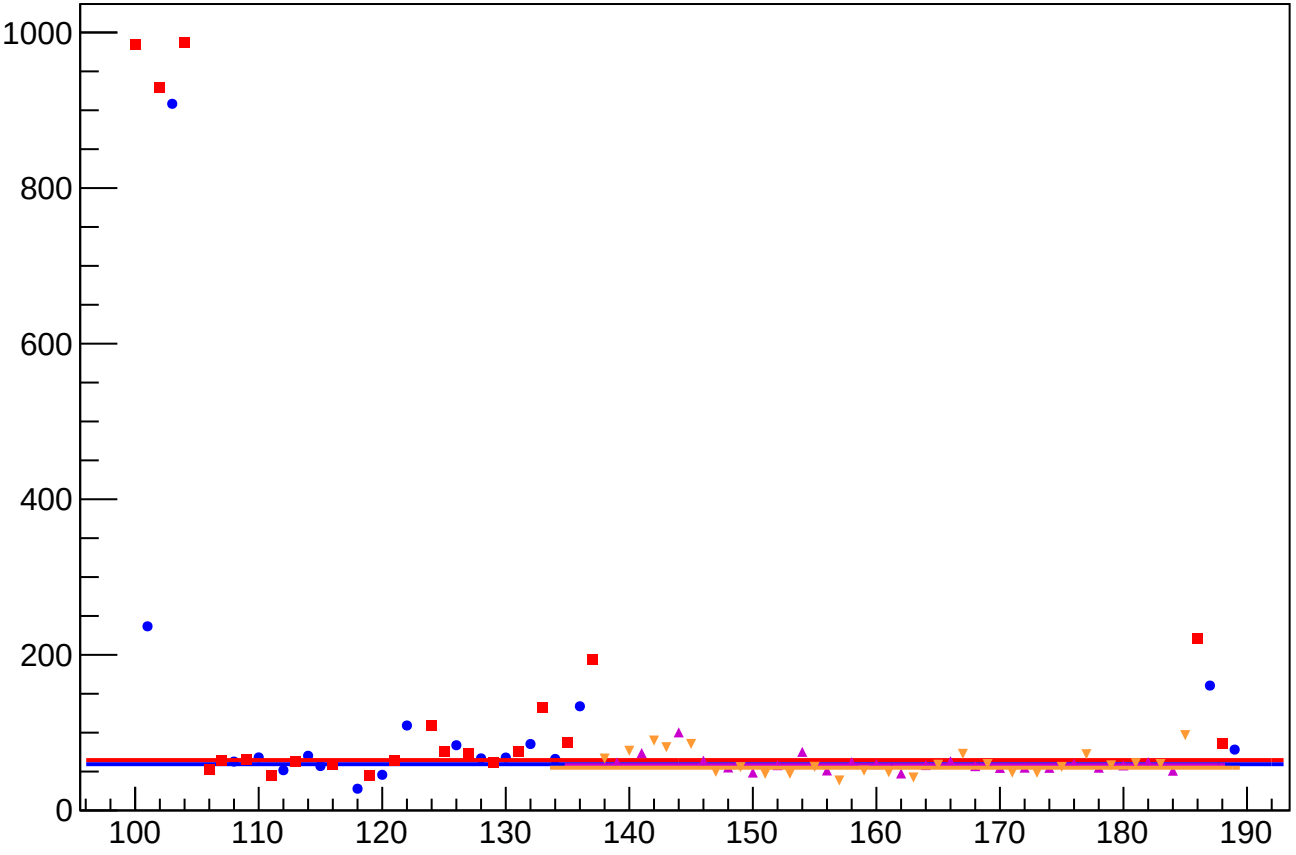
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.004+/-0.013 χ^2/NDF: 38.7/42

All: 0.009+/-0.009 χ^2/NDF: 80.3/86

- sign 0.014+/-0.013 χ^2/NDF: 41.2/43

asym_atr1_dit_vs_cor_diff_rms vs Slug



Right In: 59.471+/-0.019 χ^2/NDF: 3434664.5/17

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 64.739+/-0.019 χ^2/NDF: 3126042.4/20

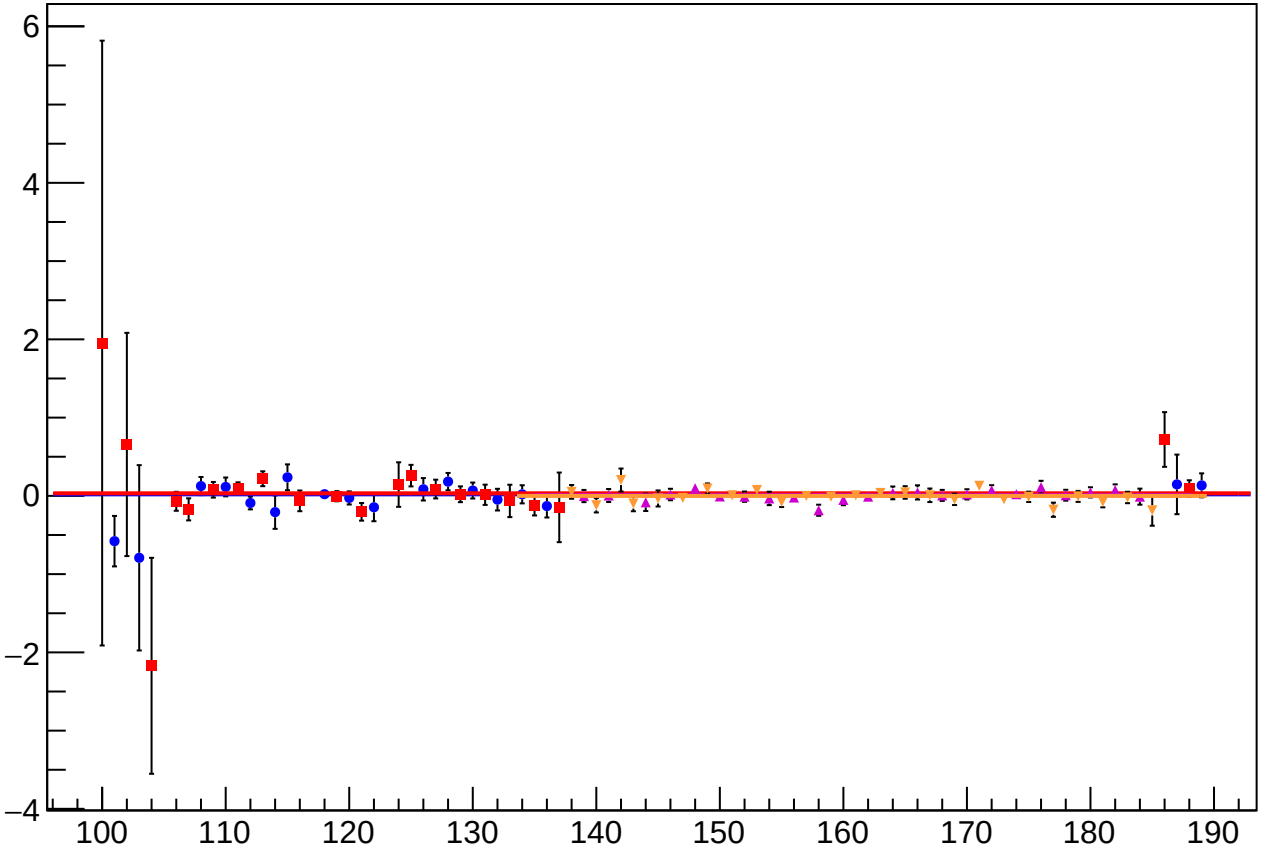
Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

+ sign 55.886+/-0.009 χ^2/NDF: 4775963.4/42

All: 57.705+/-0.006 χ^2/NDF: 8738804.9/86

- sign 59.666+/-0.009 χ^2/NDF: 3875150.0/43

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.019+/-0.027 χ^2/NDF: 15.7/17

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.033+/-0.027 χ^2/NDF: 25.1/20

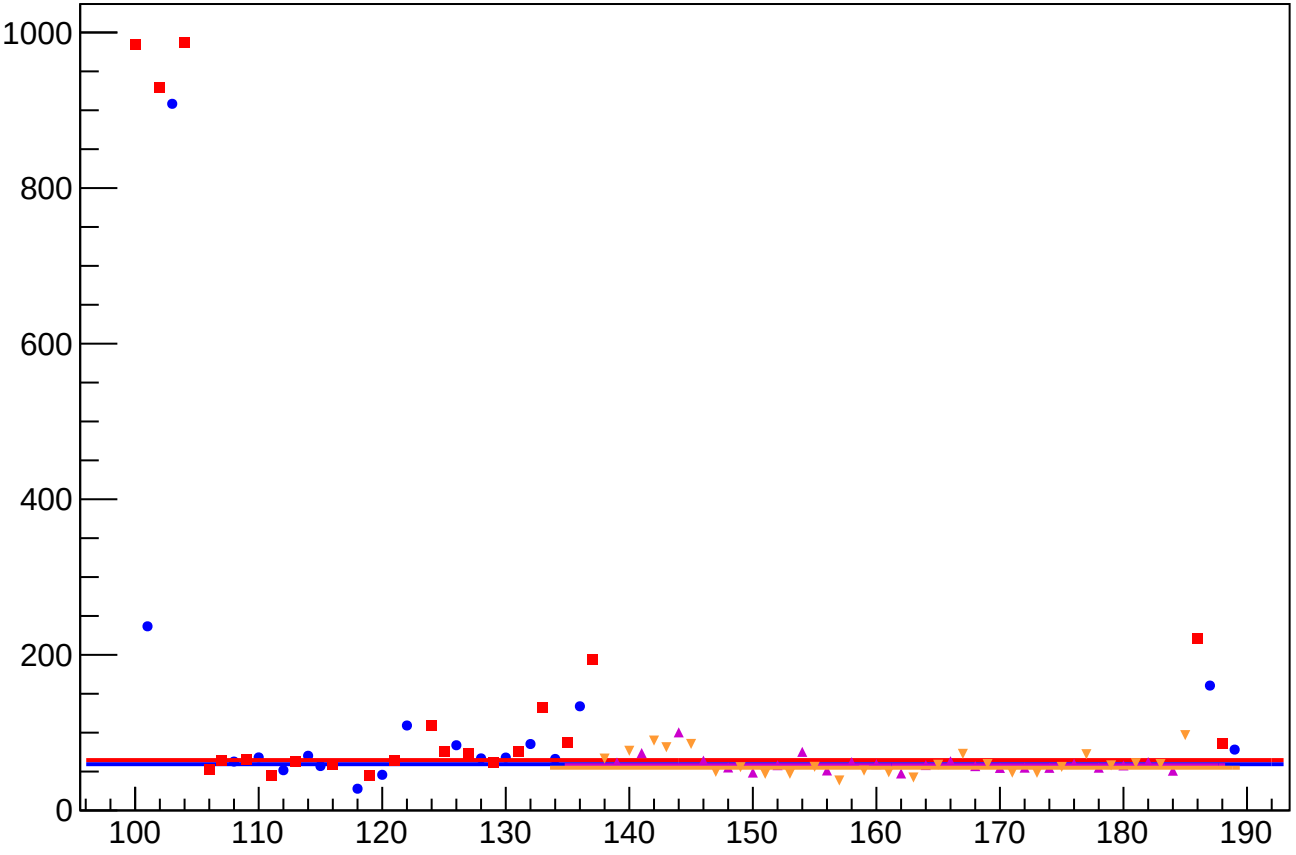
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.004+/-0.013 χ^2/NDF: 38.7/42

All: 0.009+/-0.009 χ^2/NDF: 80.3/86

- sign 0.014+/-0.013 χ^2/NDF: 41.2/43

asym_atr1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.471+/-0.019 χ^2/NDF: 3434664.5/17

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

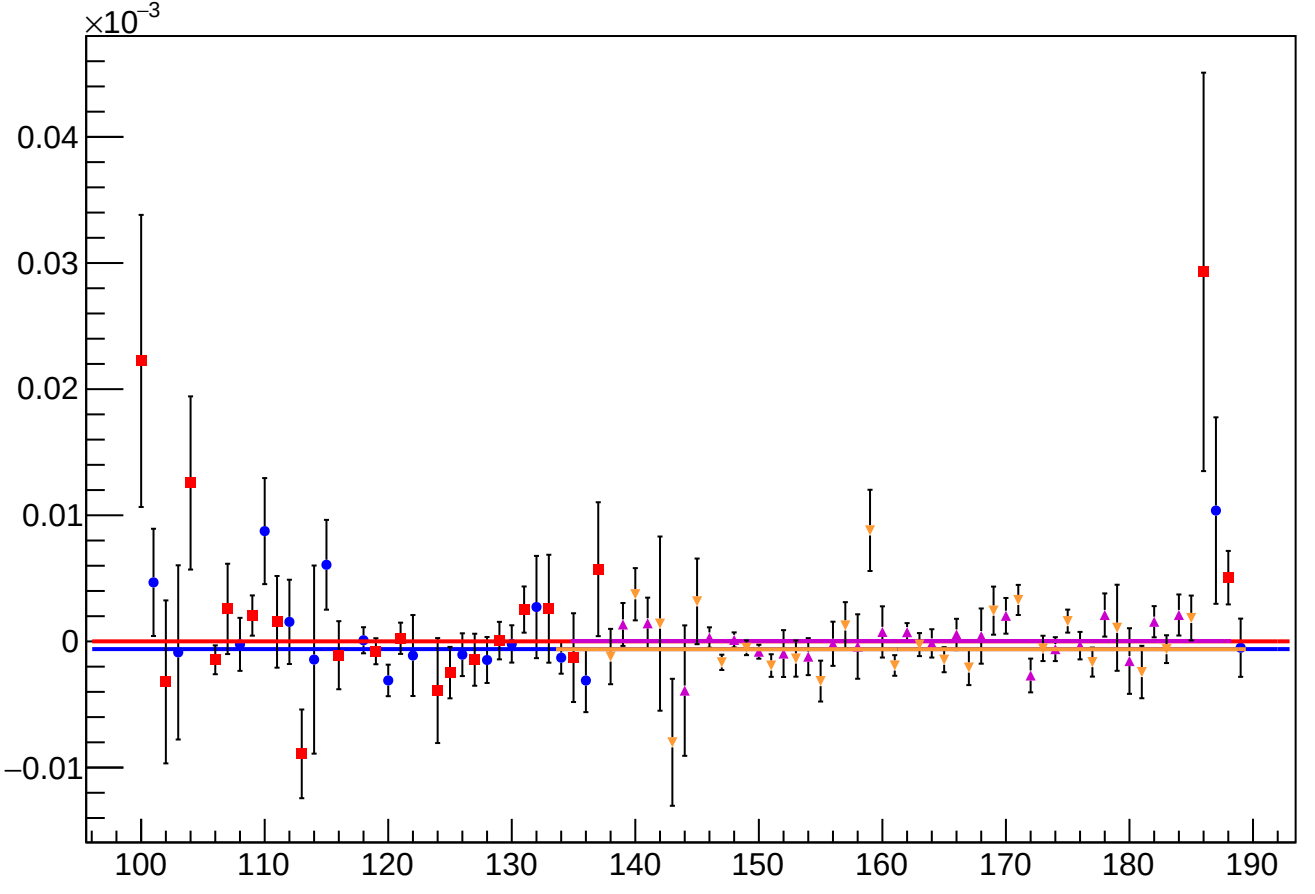
Right Out: 64.739+/-0.019 χ^2/NDF: 3126042.4/20

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

+ sign 55.886+/-0.009 χ^2/NDF: 4775963.4/42

All: 57.705+/-0.006 χ^2/NDF: 8738804.9/86

- sign 59.666+/-0.009 χ^2/NDF: 3875150.0/43



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/17

Left Out: -0.000+/-0.000 χ^2/NDF:52.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.0/20

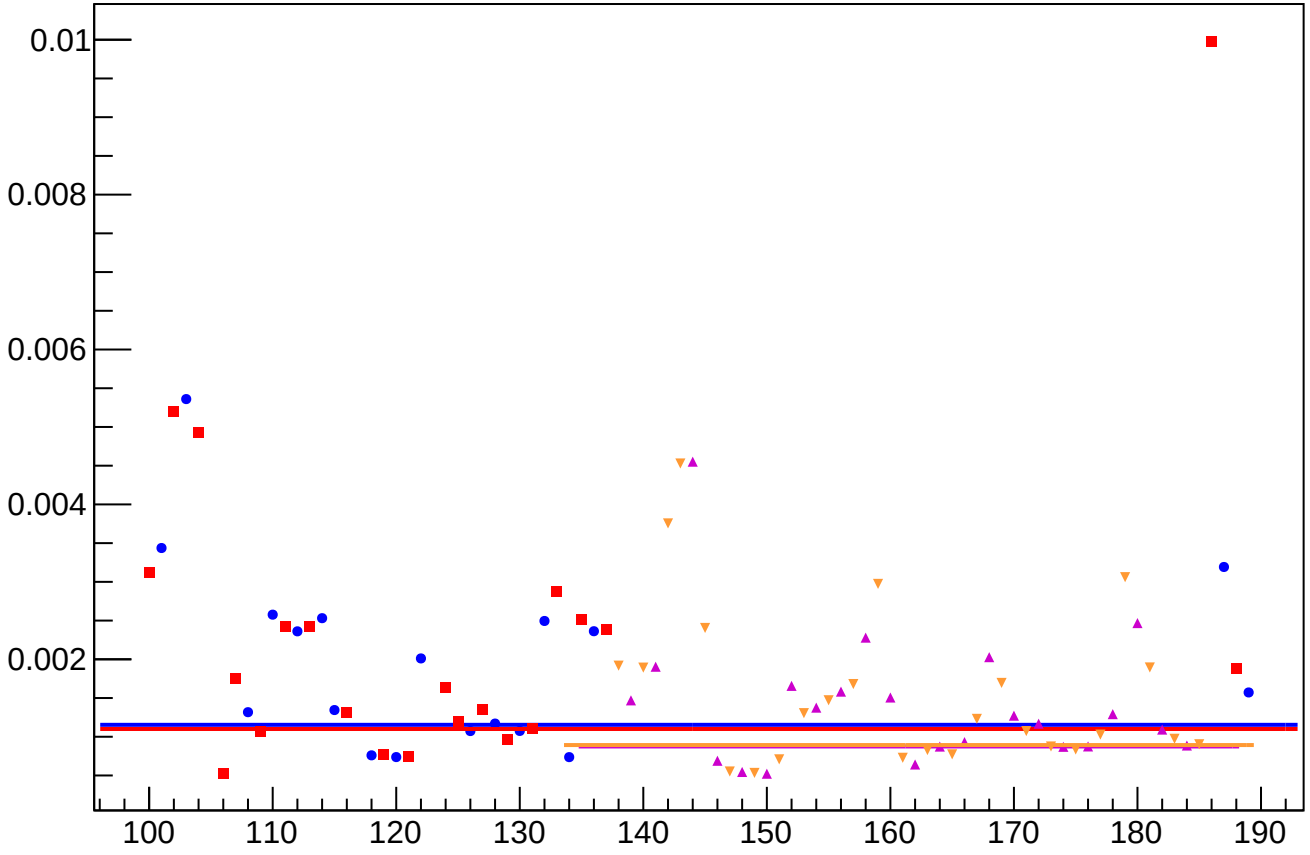
Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 72.2/42

All: -0.000+/-0.000 χ^2/NDF: 129.1/86

- sign 0.000+/-0.000 χ^2/NDF: 52.2/43

asym_atr1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 3677063.5/17

Left Out: 0.001+/-0.000 χ^2/NDF:7739119.9/24

Right Out: 0.001+/-0.000 χ^2/NDF: 4770578.9/20

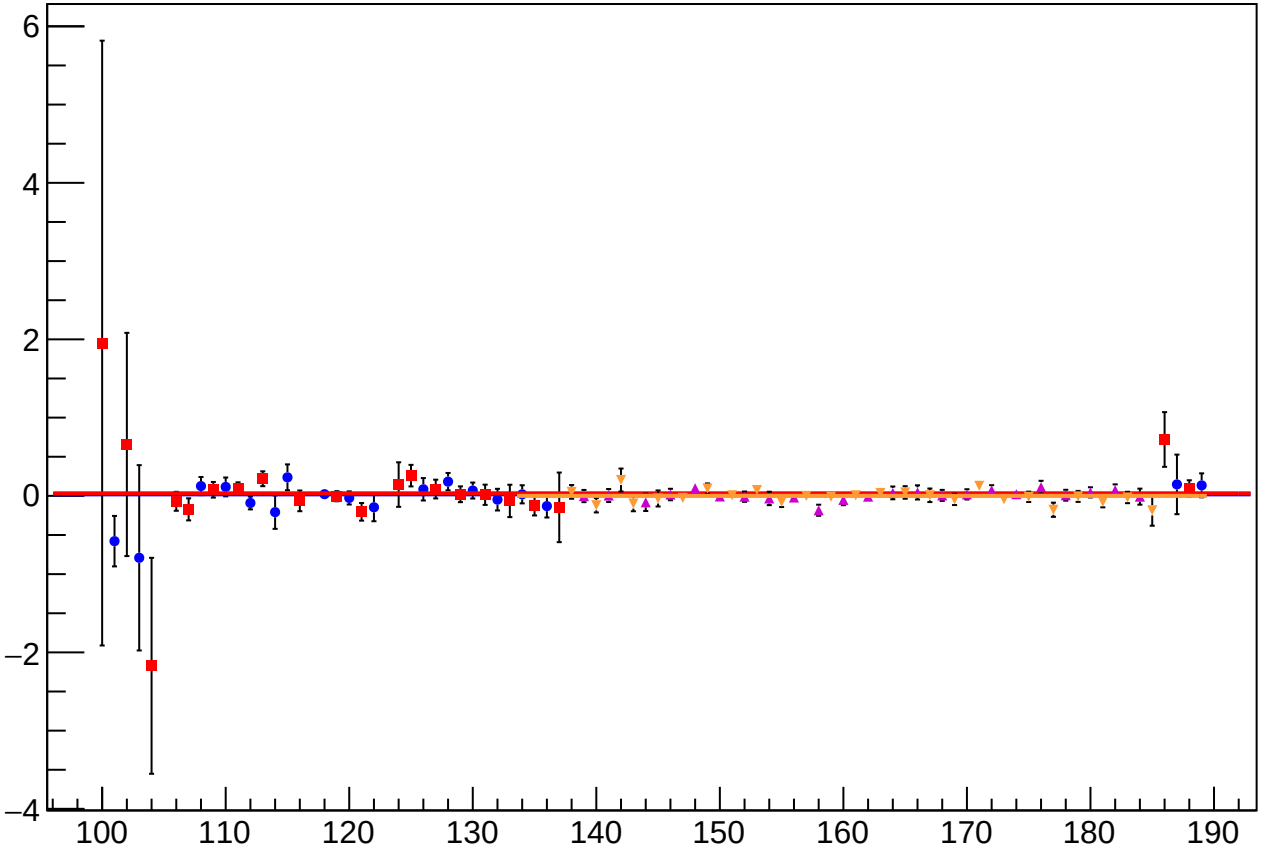
Left In: 0.001+/-0.000 χ^2/NDF:6963716.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 11898138.1/42

All: 0.001+/-0.000 χ^2/NDF: 24030795.3/86

- sign 0.001+/-0.000 χ^2/NDF: 12123373.6/43

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.019+/-0.027 χ^2/NDF: 15.7/17

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.033+/-0.027 χ^2/NDF: 25.1/20

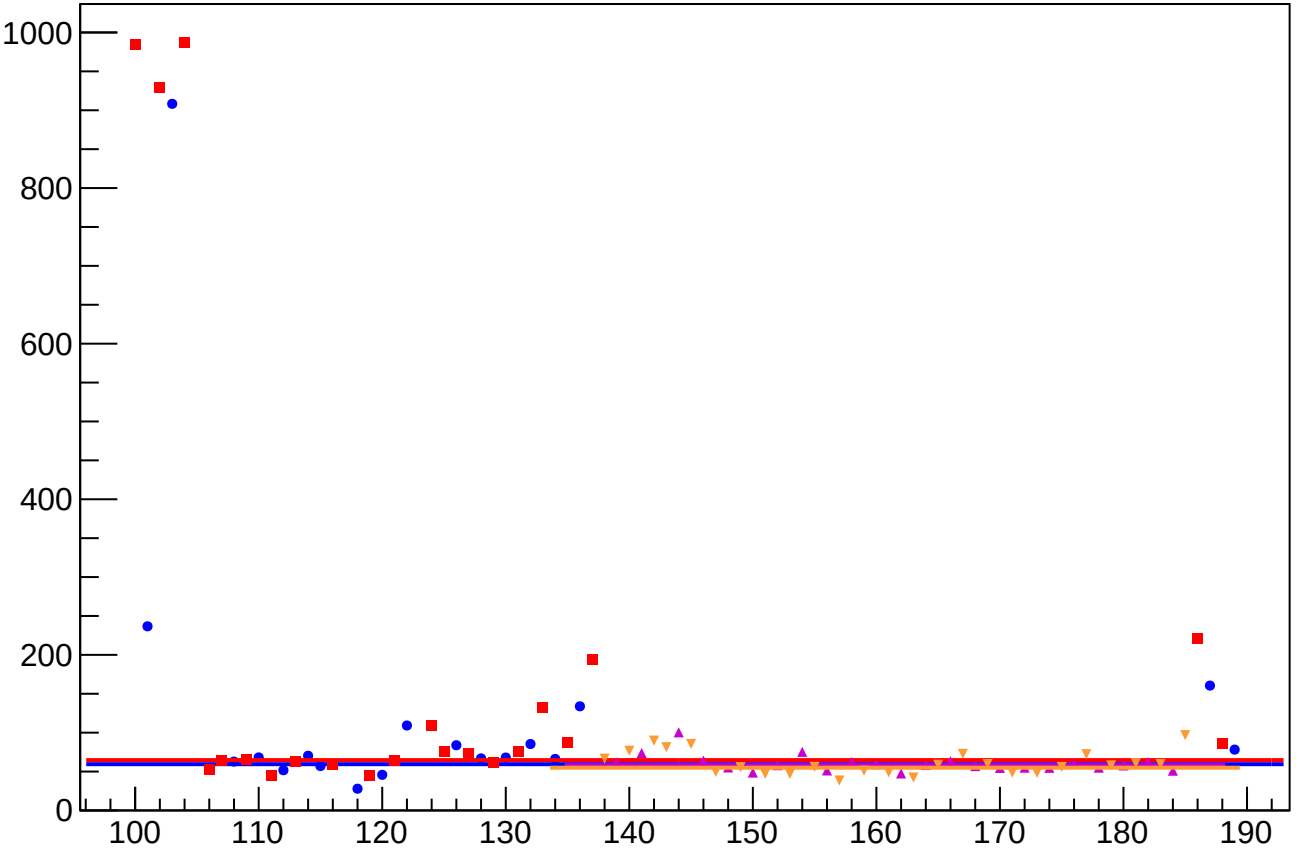
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.004+/-0.013 χ^2/NDF: 38.7/42

All: 0.009+/-0.009 χ^2/NDF: 80.3/86

- sign 0.014+/-0.013 χ^2/NDF: 41.2/43

asym_atr1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 59.470+/-0.019 χ^2/NDF: 3434750.8/17

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 64.738+/-0.019 χ^2/NDF: 3126042.1/20

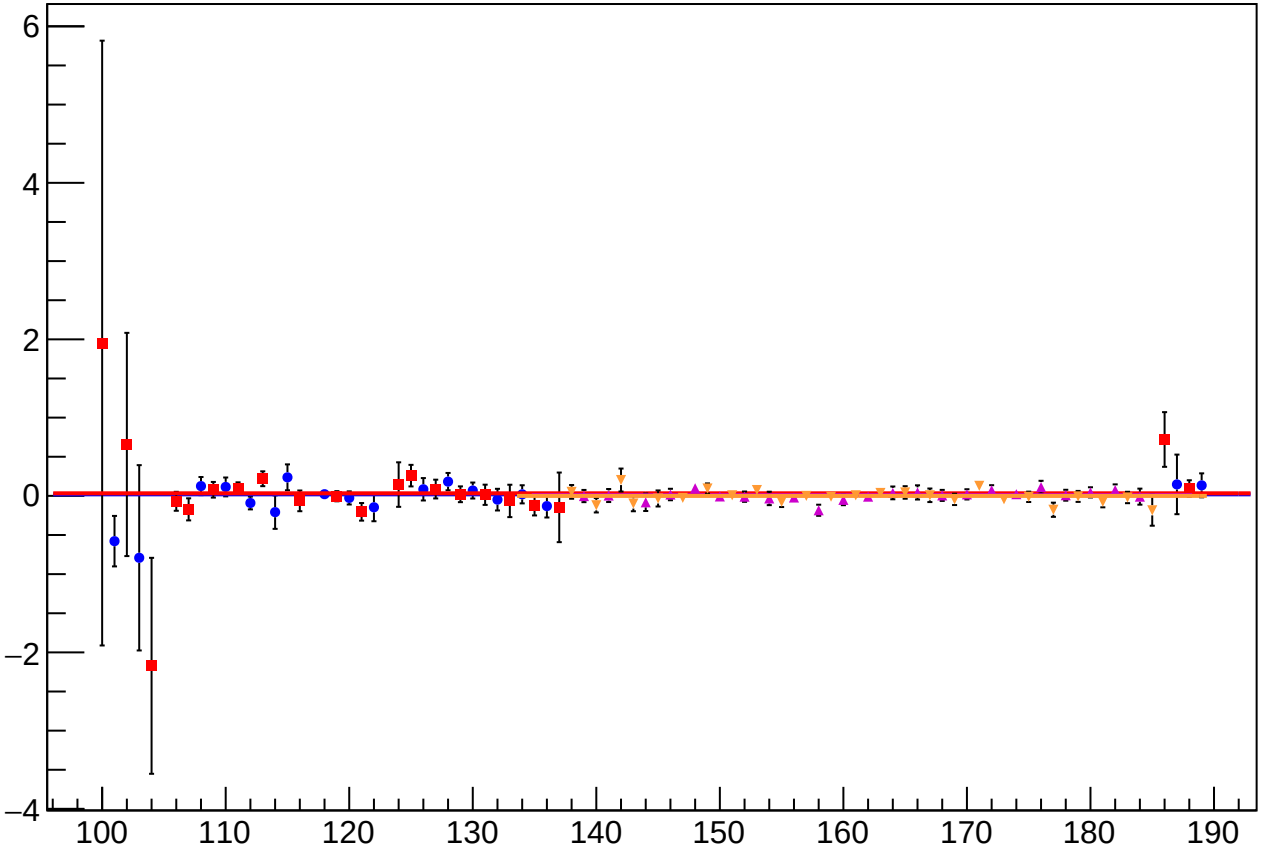
Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

+ sign 55.885+/-0.009 χ^2/NDF: 4776118.1/42

All: 57.705+/-0.006 χ^2/NDF: 8738998.2/86

- sign 59.666+/-0.009 χ^2/NDF: 3875165.7/43

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.019+/-0.027 χ^2/NDF: 15.7/17

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.033+/-0.027 χ^2/NDF: 25.1/20

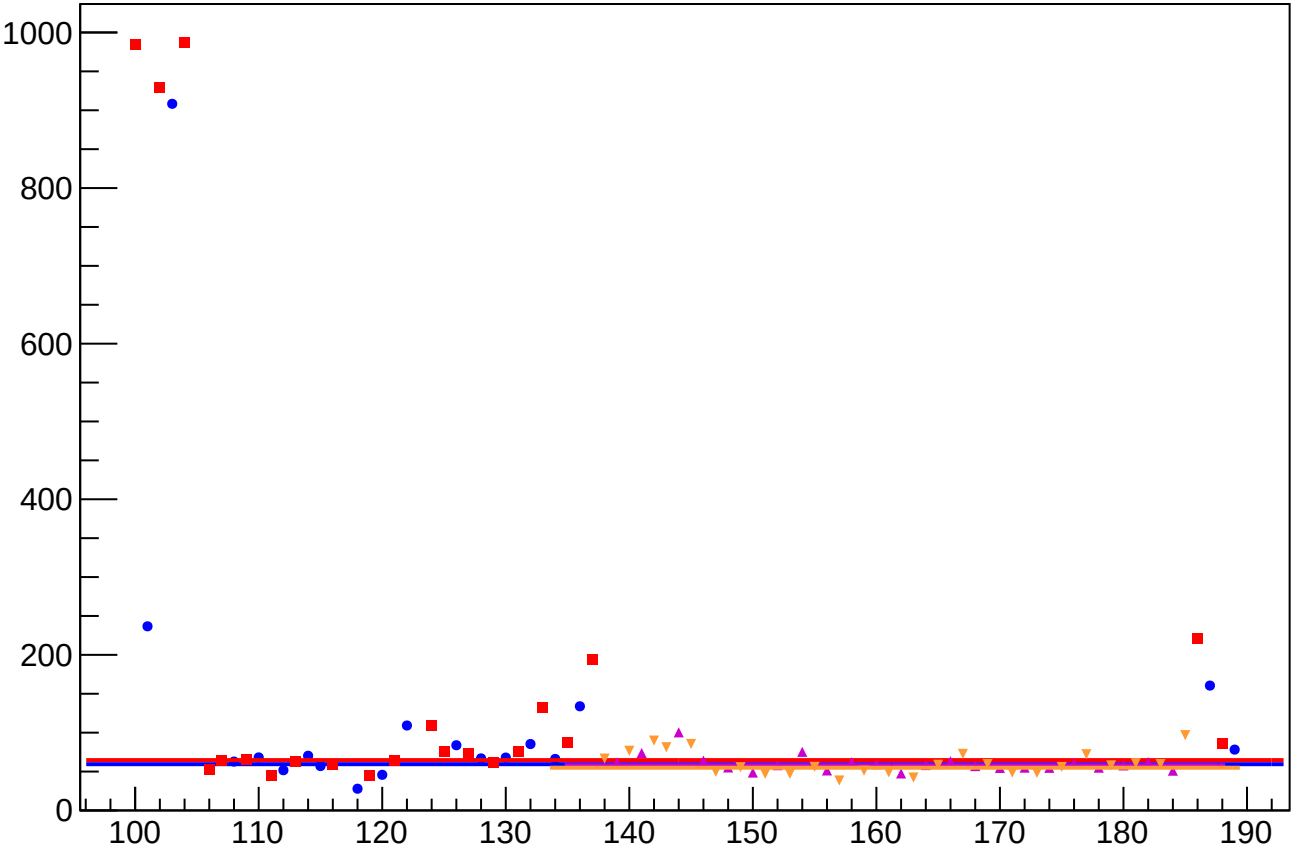
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.004+/-0.013 χ^2/NDF: 38.7/42

All: 0.009+/-0.009 χ^2/NDF: 80.3/86

- sign 0.014+/-0.013 χ^2/NDF: 41.2/43

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.470+/-0.019 χ^2/NDF: 3434750.8/17

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 64.738+/-0.019 χ^2/NDF: 3126042.1/20

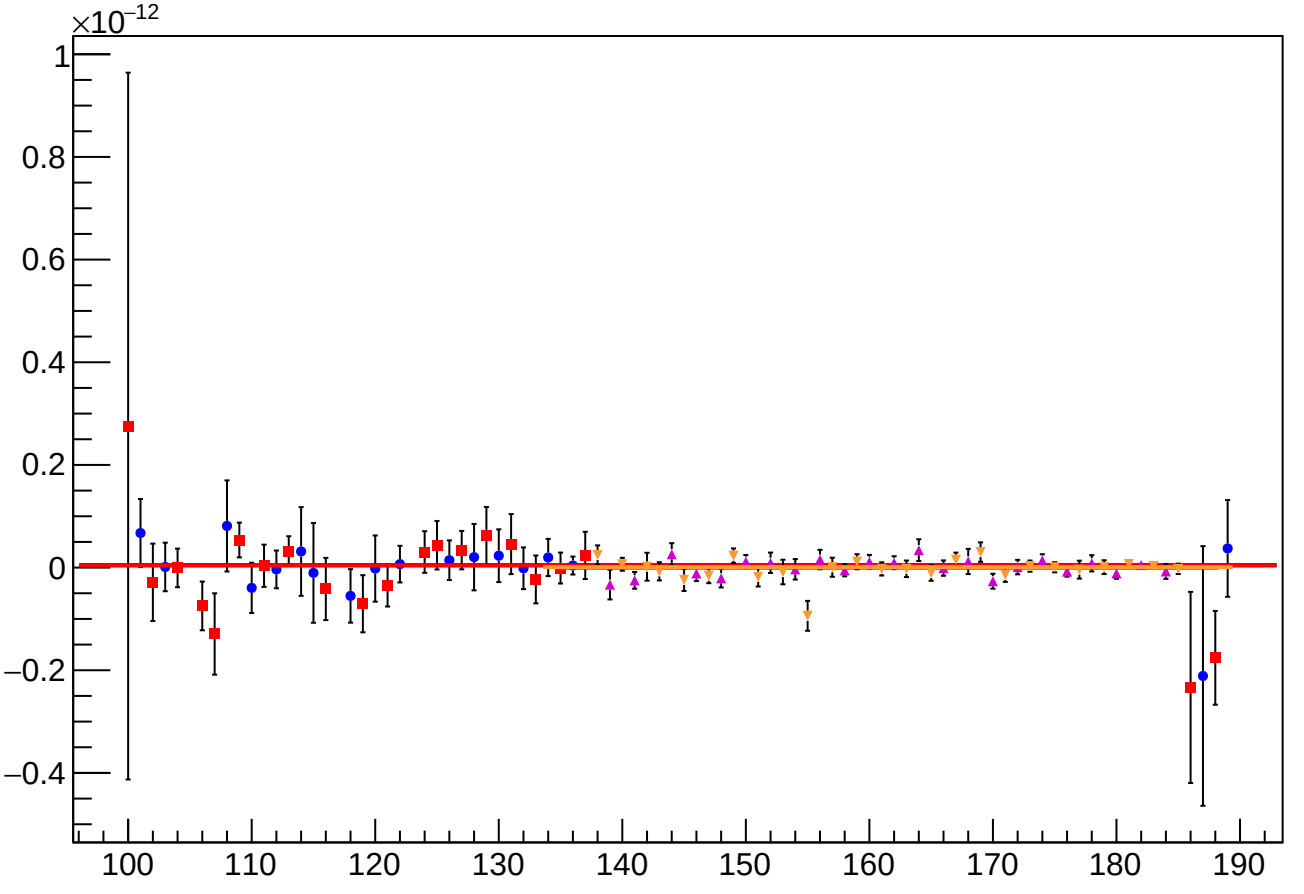
Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

\+ sign 55.885+/-0.009 χ^2/NDF: 4776118.1/42

All: 57.705+/-0.006 χ^2/NDF: 8738998.2/86

\- sign 59.666+/-0.009 χ^2/NDF: 3875165.7/43

asym_atr1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.7/20

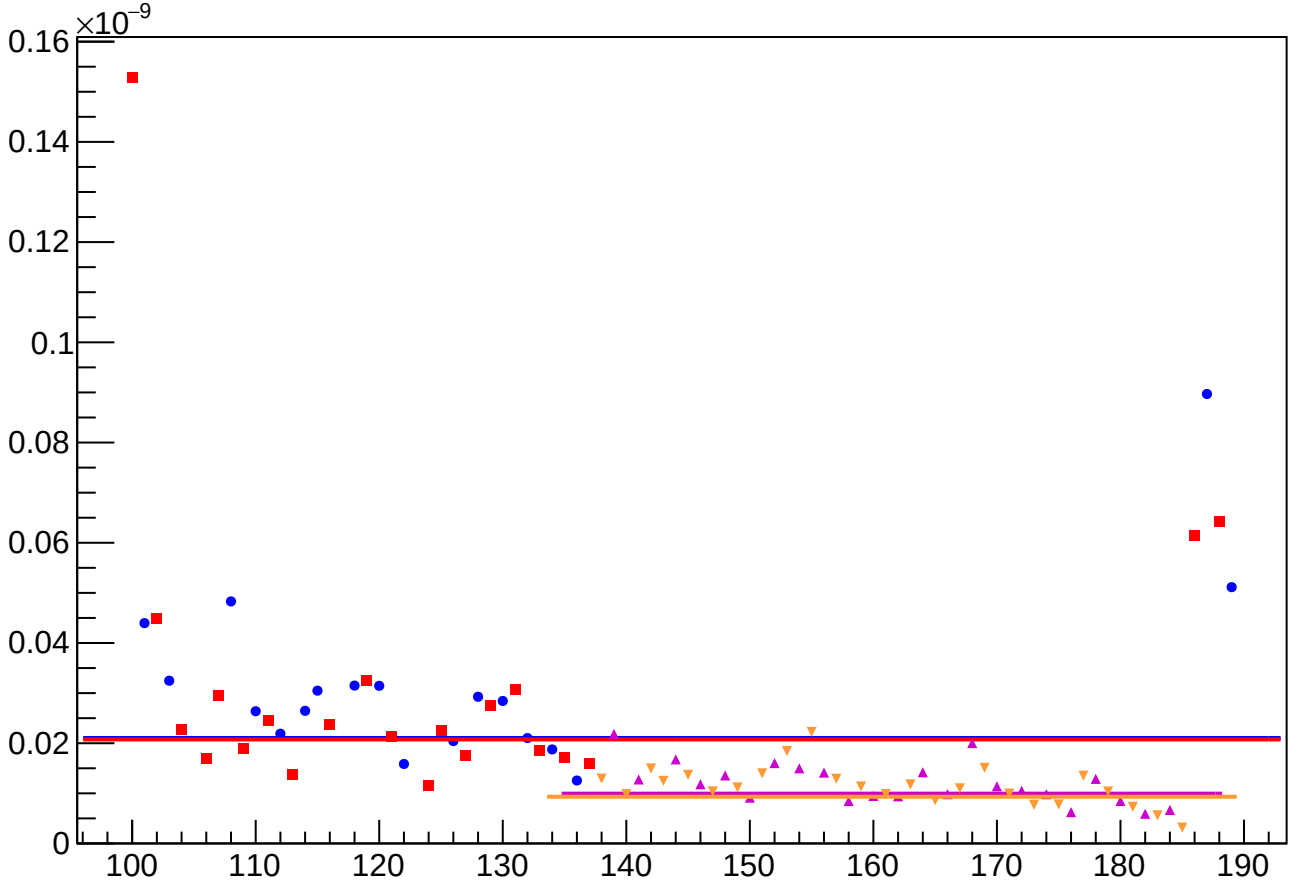
Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 30.7/42

All: 0.000+/-0.000 χ^2/NDF: 72.9/86

- sign 0.000+/-0.000 χ^2/NDF: 42.1/43

asym_atr1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1675033.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:3070809.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1371546.3/20

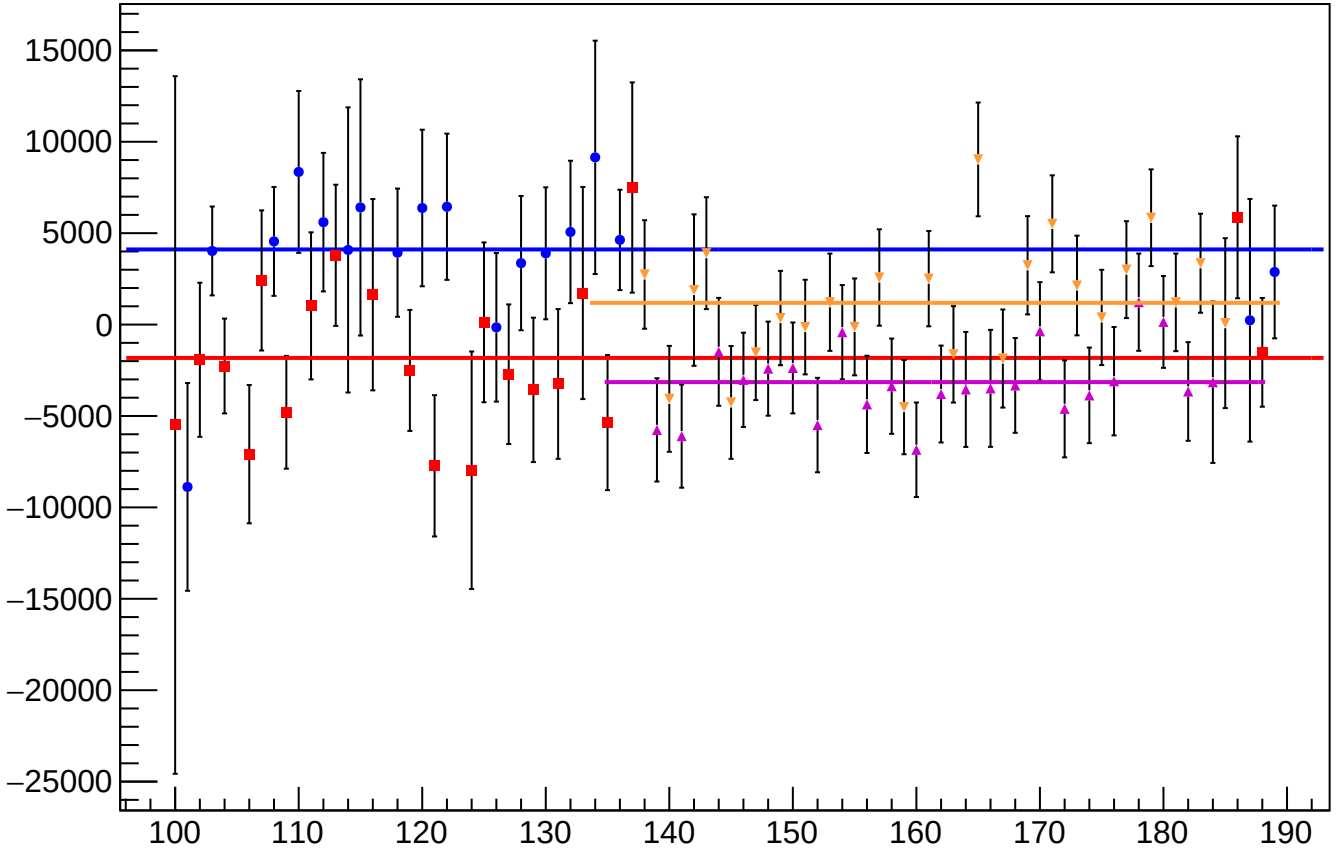
Left In: 0.000+/-0.000 χ^2/NDF:2573277.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 7215273.1/42

All: 0.000+/-0.000 χ^2/NDF: 13355766.7/86

- sign 0.000+/-0.000 χ^2/NDF: 6080672.1/43

reg_asym_atr2_mean vs Slug



Right In: 4109.988+/-912.095 χ^2/NDF: 9.4/17

Left Out: 1188.836+/-556.242 χ^2/NDF:31.1/24

Right Out: -1823.506+/-863.829 χ^2/NDF: 18.0/20

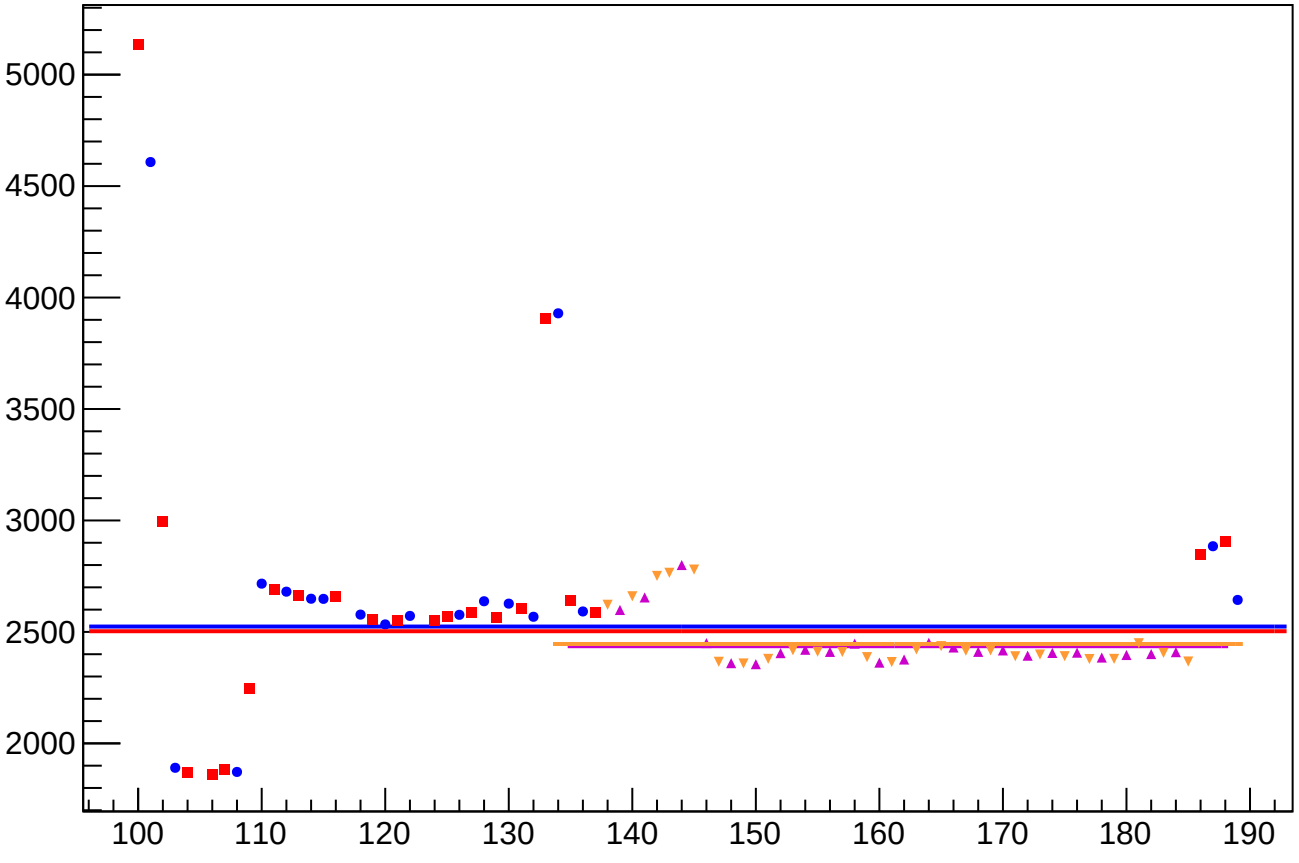
Left In: -3147.419+/-569.221 χ^2/NDF:12.7/22

+ sign 1980.740+/-474.897 χ^2/NDF: 48.0/42

All: -380.892+/-335.948 χ^2/NDF: 129.8/86

- sign -2746.597+/-475.306 χ^2/NDF: 32.3/43

reg_asym_atr2_rms vs Slug



Right In: 2524.093+/-0.645 χ^2/NDF: 620189.1/17

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

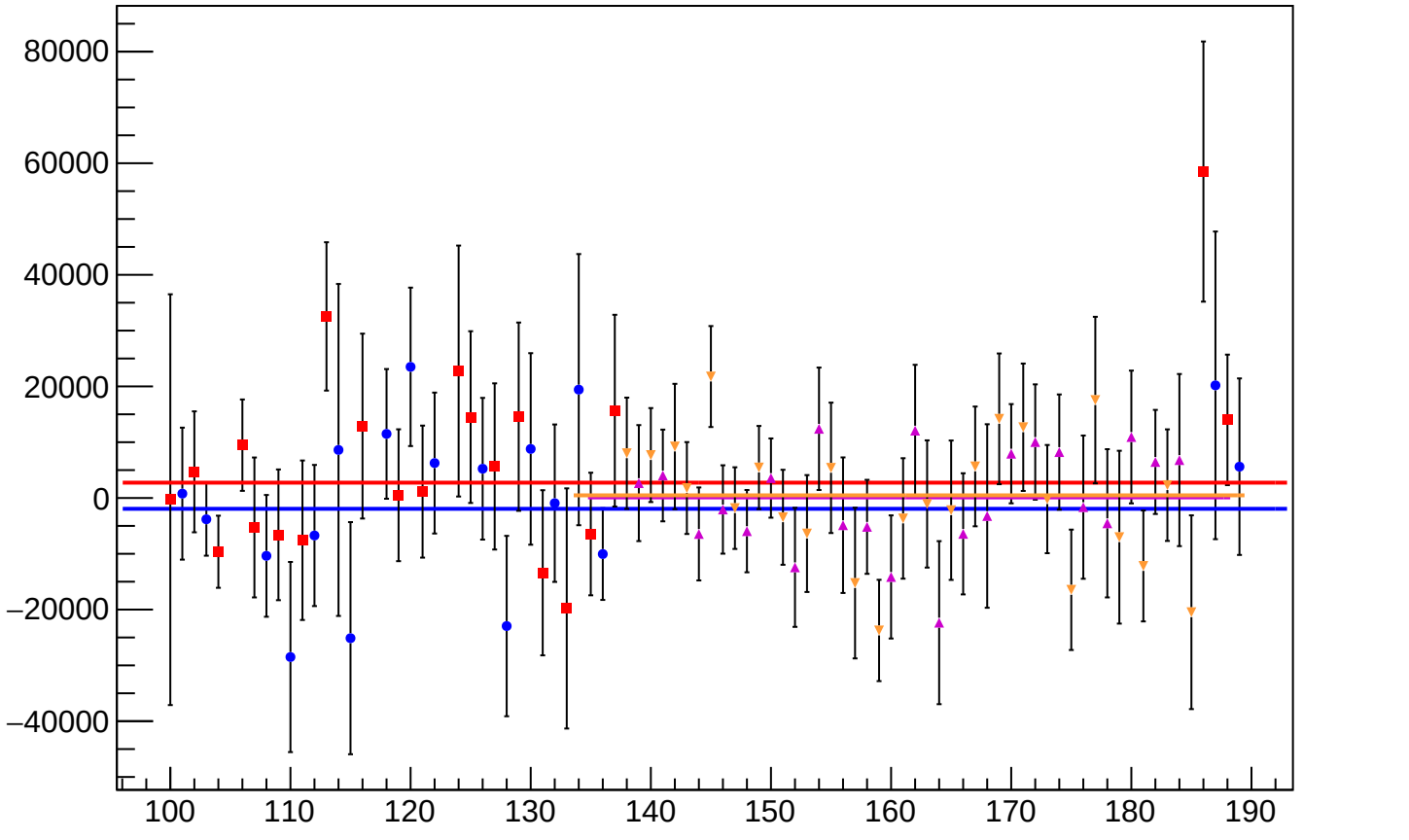
Right Out: 2503.140+/-0.611 χ^2/NDF: 492151.9/20

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2467.043+/-0.336 χ^2/NDF: 720938.3/42

All: 2461.672+/-0.238 χ^2/NDF: 1281228.9/86

- sign 2456.292+/-0.336 χ^2/NDF: 559778.6/43



Right In: -1939.764+/-3001.117 χ^2/NDF: 14.7/17

Left Out: 477.187+/-2035.969 χ^2/NDF:27.4/24

Right Out: 2749.231+/-2752.046 χ^2/NDF: 23.5/20

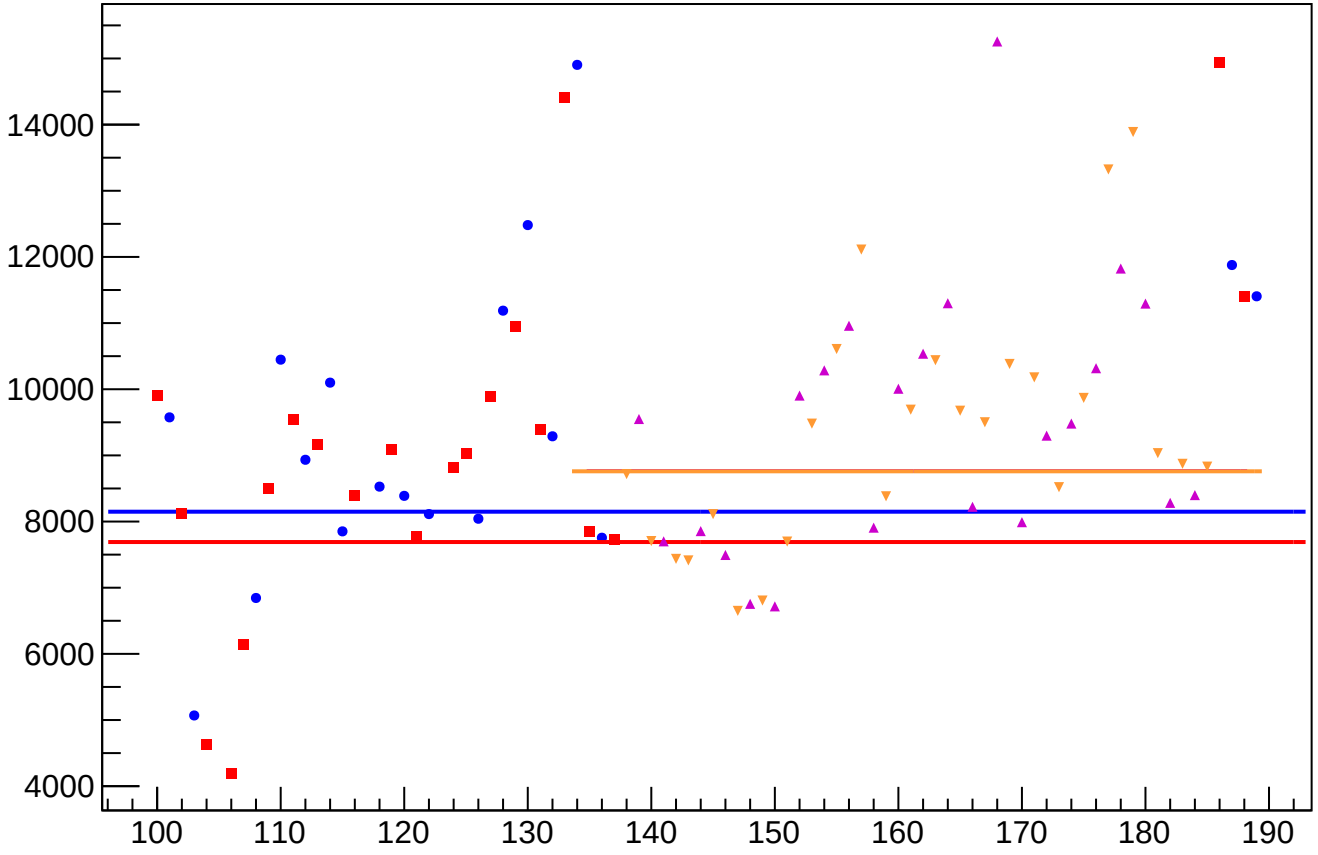
Left In: 104.954+/-2090.899 χ^2/NDF:14.5/22

+ sign -284.581+/-1684.846 χ^2/NDF: 42.5/42

All: 402.151+/-1184.246 χ^2/NDF: 81.4/86

- sign 1072.707+/-1664.886 χ^2/NDF: 38.6/43

asym_atr2_reg_correction_rms vs Slug



Right In: 8148.954+/-2.122 χ^2/NDF: 1050461.8/17

Left Out: 8759.635+/-1.440 χ^2/NDF:1222238.0/24

Right Out: 7690.424+/-1.946 χ^2/NDF: 1707928.6/20

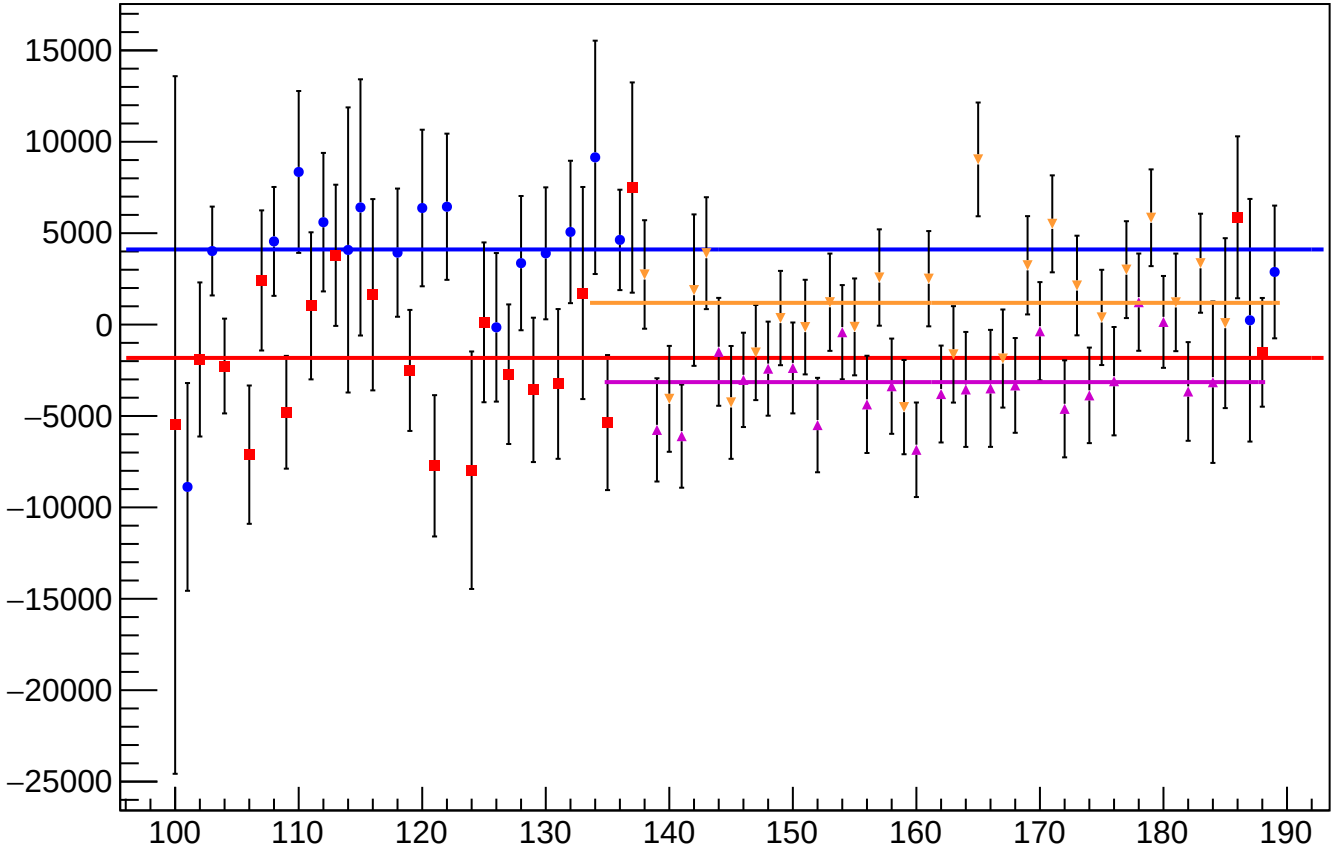
Left In: 8764.138+/-1.478 χ^2/NDF:1291698.9/22

+ sign 8567.162+/-1.191 χ^2/NDF: 2329411.4/42

All: 8468.003+/-0.837 χ^2/NDF: 5535748.9/86

- sign 8371.180+/-1.177 χ^2/NDF: 3192645.8/43

cor_asym_atr2_mean vs Slug



Right In: 4109.575+/-912.096 χ^2/NDF: 9.4/17

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: -1824.020+/-863.835 χ^2/NDF: 18.0/20

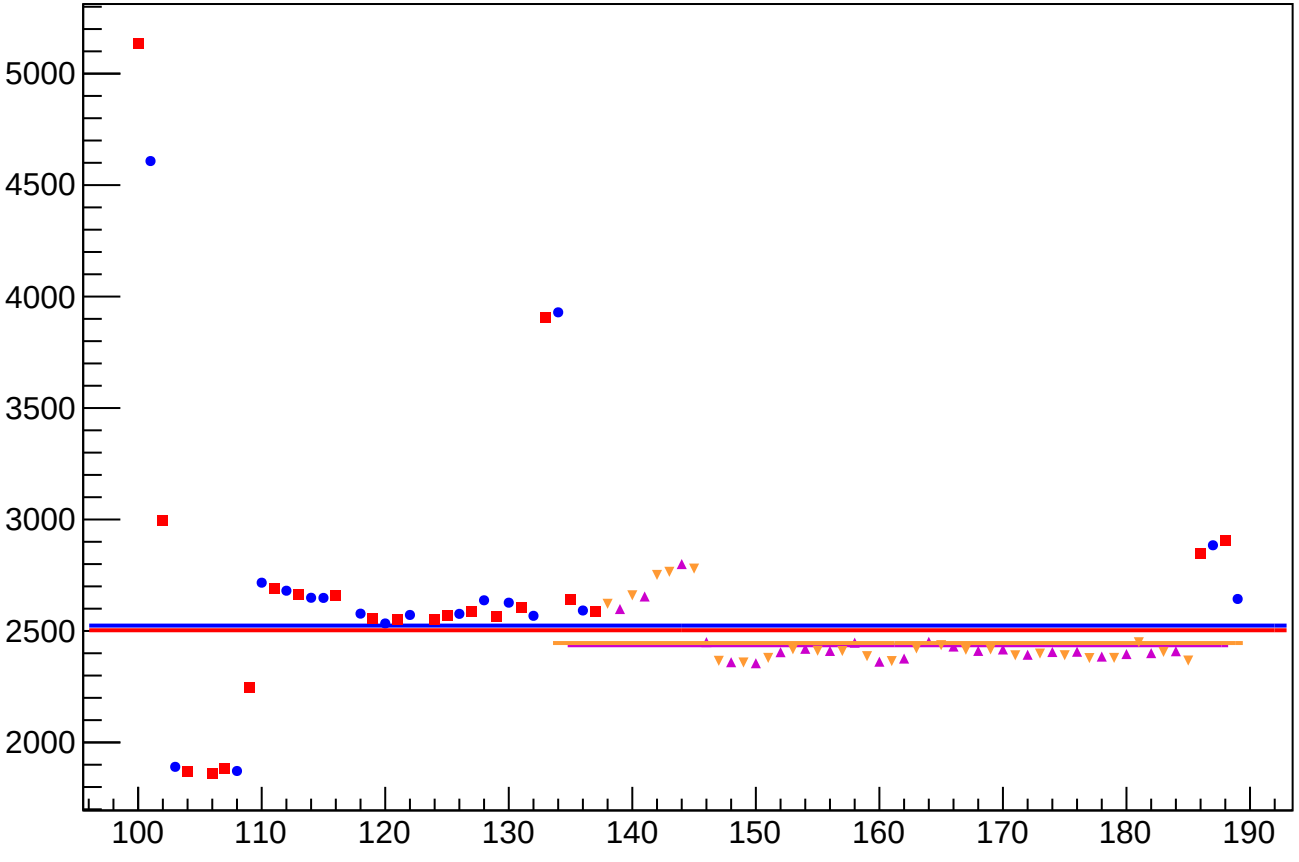
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 1980.504+/-474.897 χ^2/NDF: 48.0/42

All: -381.016+/-335.948 χ^2/NDF: 129.8/86

- sign -2746.619+/-475.308 χ^2/NDF: 32.3/43

cor_asym_atr2_rms vs Slug



Right In: 2524.093+/-0.645 χ^2/NDF: 620186.8/17

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

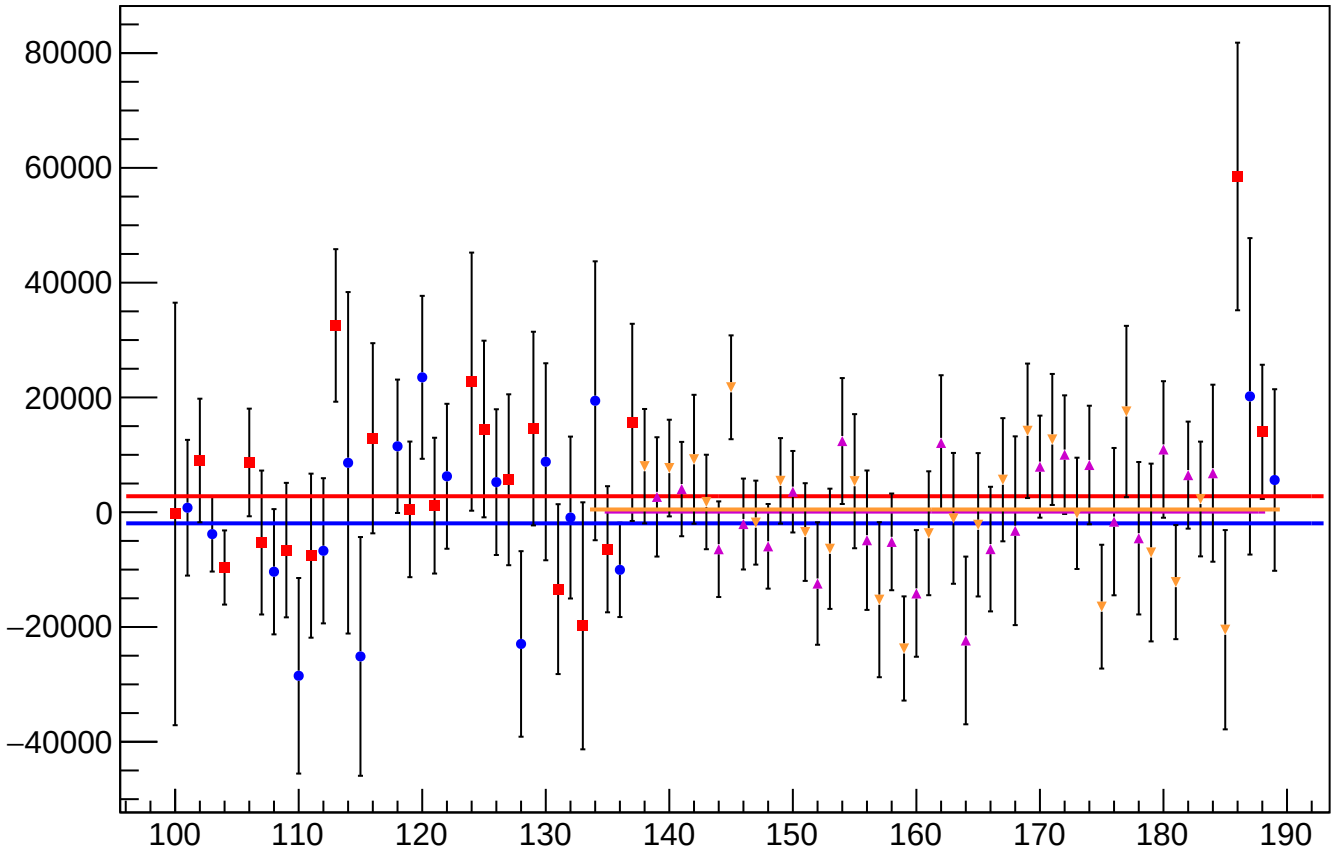
Right Out: 2503.163+/-0.611 χ^2/NDF: 492091.3/20

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2467.043+/-0.336 χ^2/NDF: 720936.3/42

All: 2461.676+/-0.238 χ^2/NDF: 1281171.1/86

- sign 2456.299+/-0.336 χ^2/NDF: 559723.4/43



Right In: -1939.517+/-3001.199 χ^2/NDF: 14.7/17

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

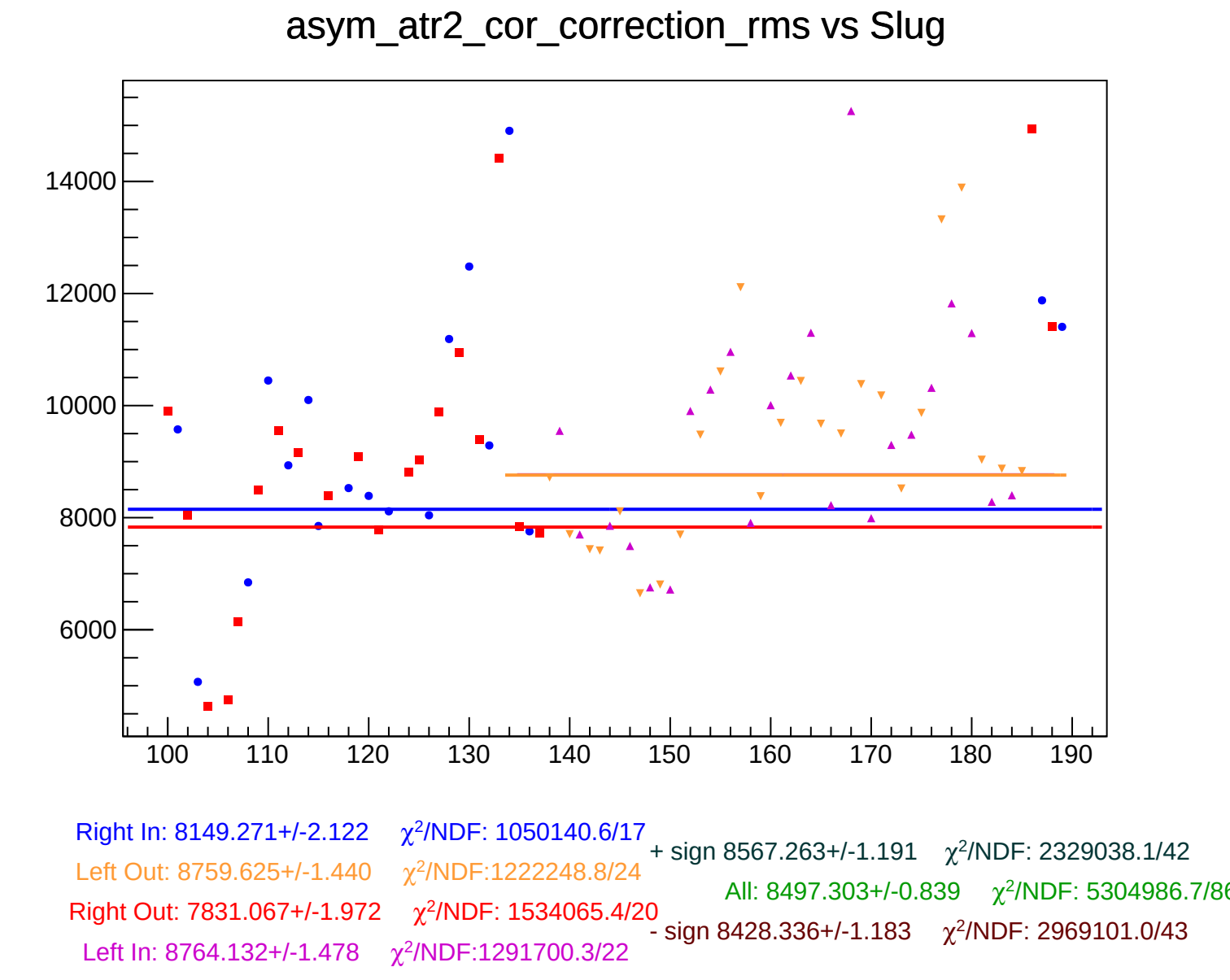
Right Out: 2785.304+/-2788.555 χ^2/NDF: 23.5/20

Left In: 105.025+/-2090.897 χ^2/NDF:14.5/22

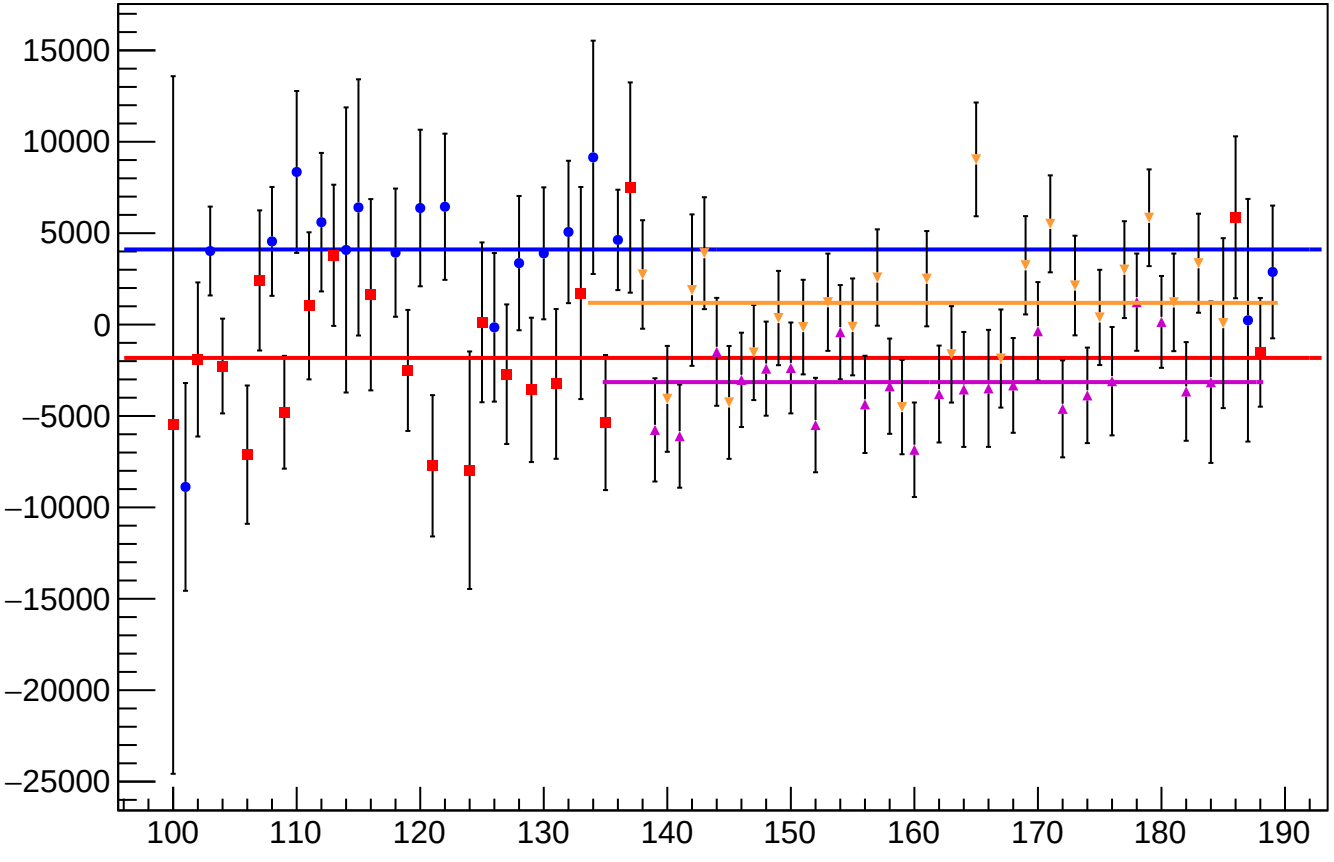
+ sign -284.466+/-1684.859 χ^2/NDF: 42.5/42

All: 397.413+/-1187.113 χ^2/NDF: 81.4/86

- sign 1069.619+/-1672.867 χ^2/NDF: 38.6/43


asym_atr2_cor_correction_rms vs Slug
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
170
180
190
Right In: 8149.271+/-2.122 χ²/NDF: 1050140.6/17
Left Out: 8759.625+/-1.440 χ²/NDF:1222248.8/24
Right Out: 7831.067+/-1.972 χ²/NDF: 1534065.4/20
Left In: 8764.132+/-1.478 χ²/NDF:1291700.3/22
+ sign 8567.263+/-1.191 χ²/NDF: 2329038.1/42
All: 8497.303+/-0.839 χ²/NDF: 5304986.7/86
- sign 8428.336+/-1.183 χ²/NDF: 2969101.0/43

eigen_cor_asym_atr2_mean vs Slug



Right In: 4109.575+/-912.096 χ^2/NDF: 9.4/17

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: -1824.020+/-863.835 χ^2/NDF: 18.0/20

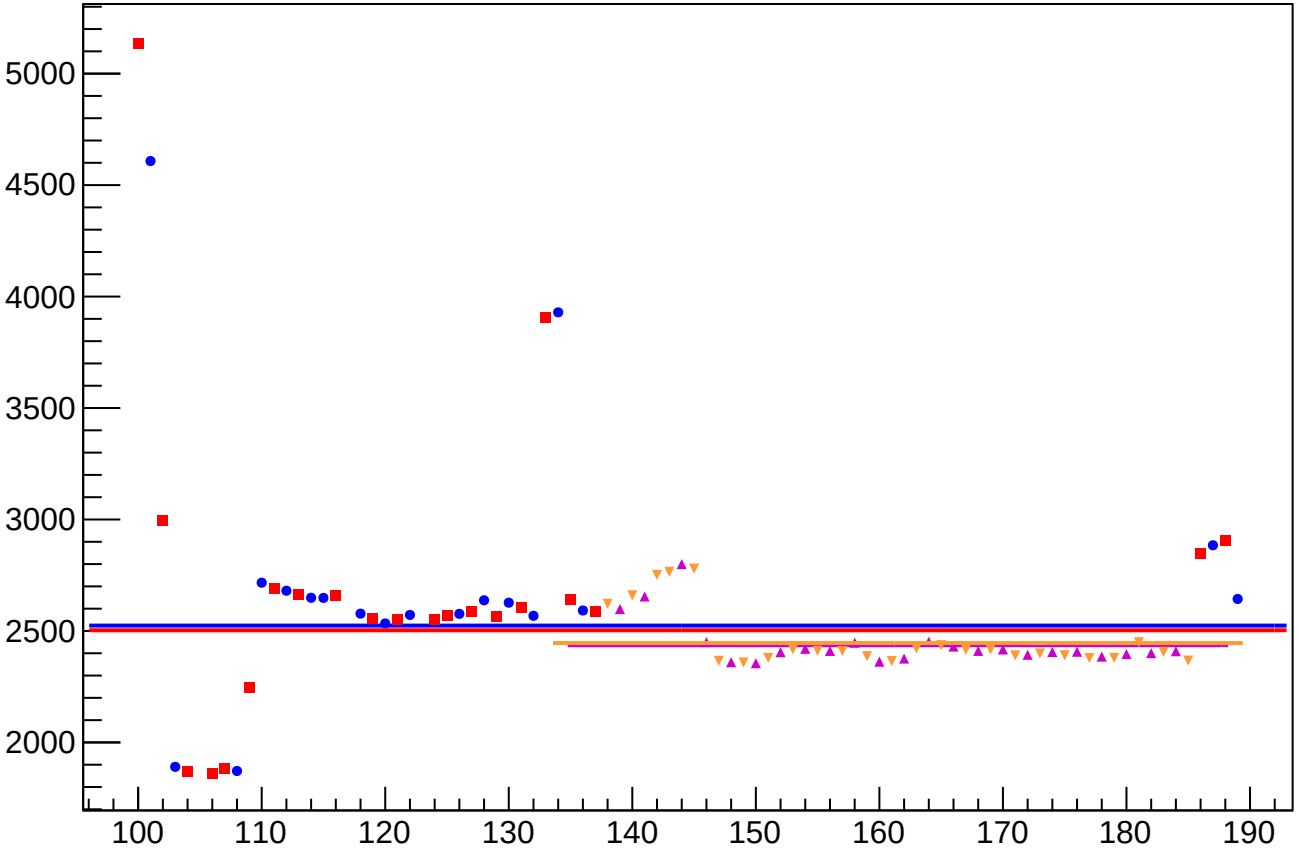
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 1980.504+/-474.897 χ^2/NDF: 48.0/42

All: -381.016+/-335.948 χ^2/NDF: 129.8/86

- sign -2746.619+/-475.308 χ^2/NDF: 32.3/43

eigen_cor_asym_atr2_rms vs Slug



Right In: 2524.093+/-0.645 χ^2/NDF: 620186.8/17

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2503.163+/-0.611 χ^2/NDF: 492091.3/20

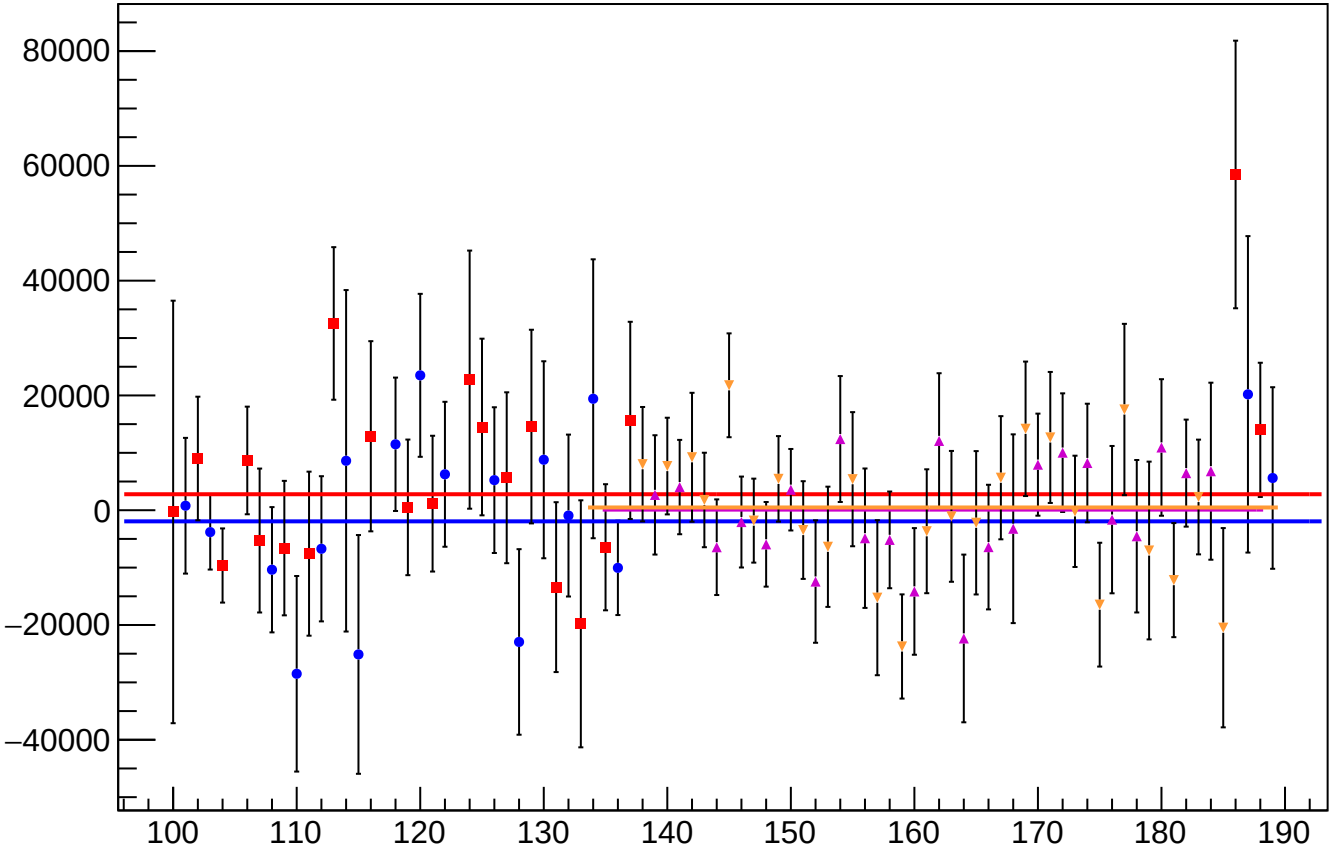
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2467.043+/-0.336 χ^2/NDF: 720936.3/42

All: 2461.676+/-0.238 χ^2/NDF: 1281171.1/86

- sign 2456.299+/-0.336 χ^2/NDF: 559723.4/43

asym_atr2_eigen_cor_correction_mean vs Slug



Right In: -1939.517+/-3001.199 χ^2/NDF: 14.7/17

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: 2785.304+/-2788.555 χ^2/NDF: 23.5/20

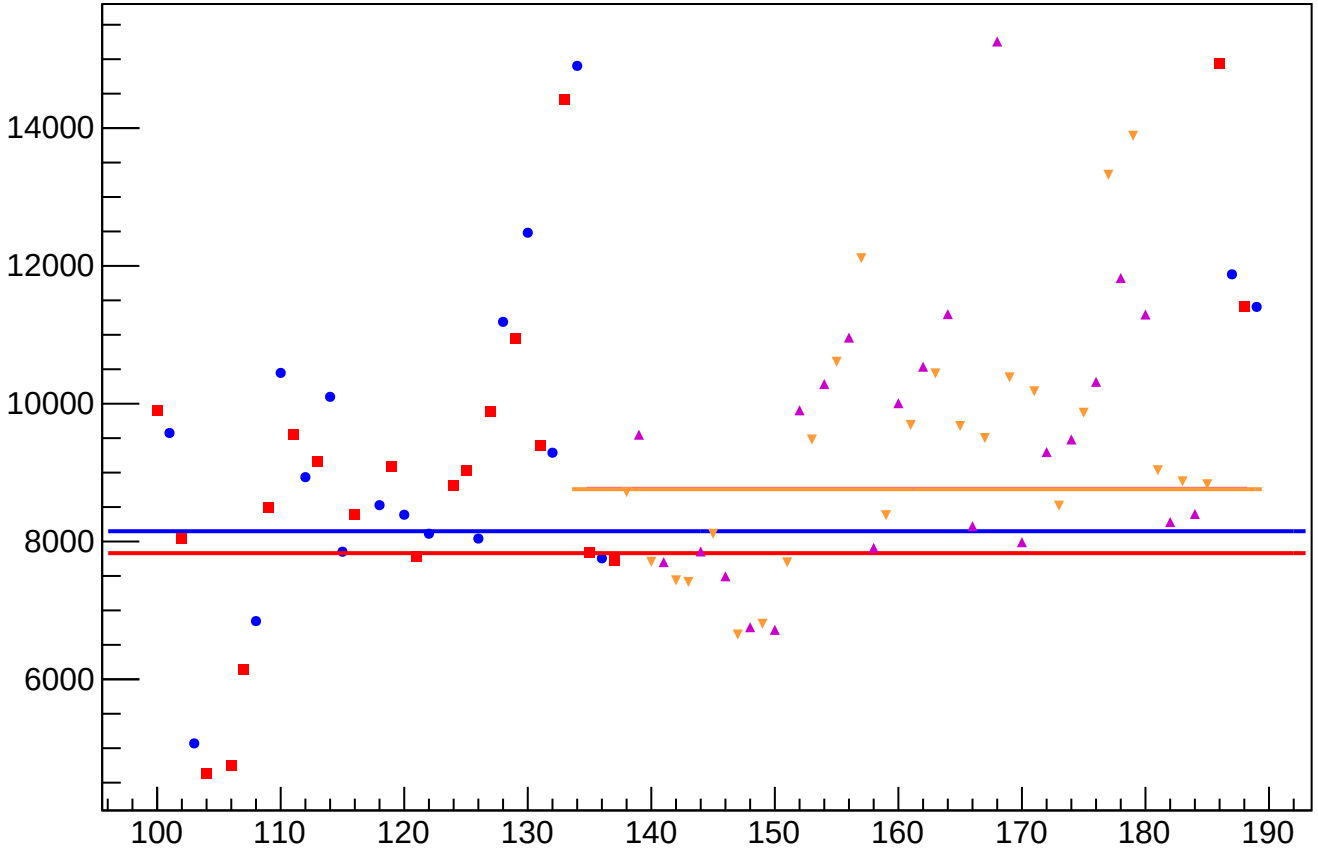
Left In: 105.025+/-2090.897 χ^2/NDF:14.5/22

+ sign -284.466+/-1684.859 χ^2/NDF: 42.5/42

All: 397.413+/-1187.113 χ^2/NDF: 81.4/86

- sign 1069.619+/-1672.867 χ^2/NDF: 38.6/43

asym_atr2_eigen_cor_correction_rms vs Slug



Right In: 8149.271+/-2.122 χ^2/NDF: 1050140.6/17

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 7831.067+/-1.972 χ^2/NDF: 1534065.4/20

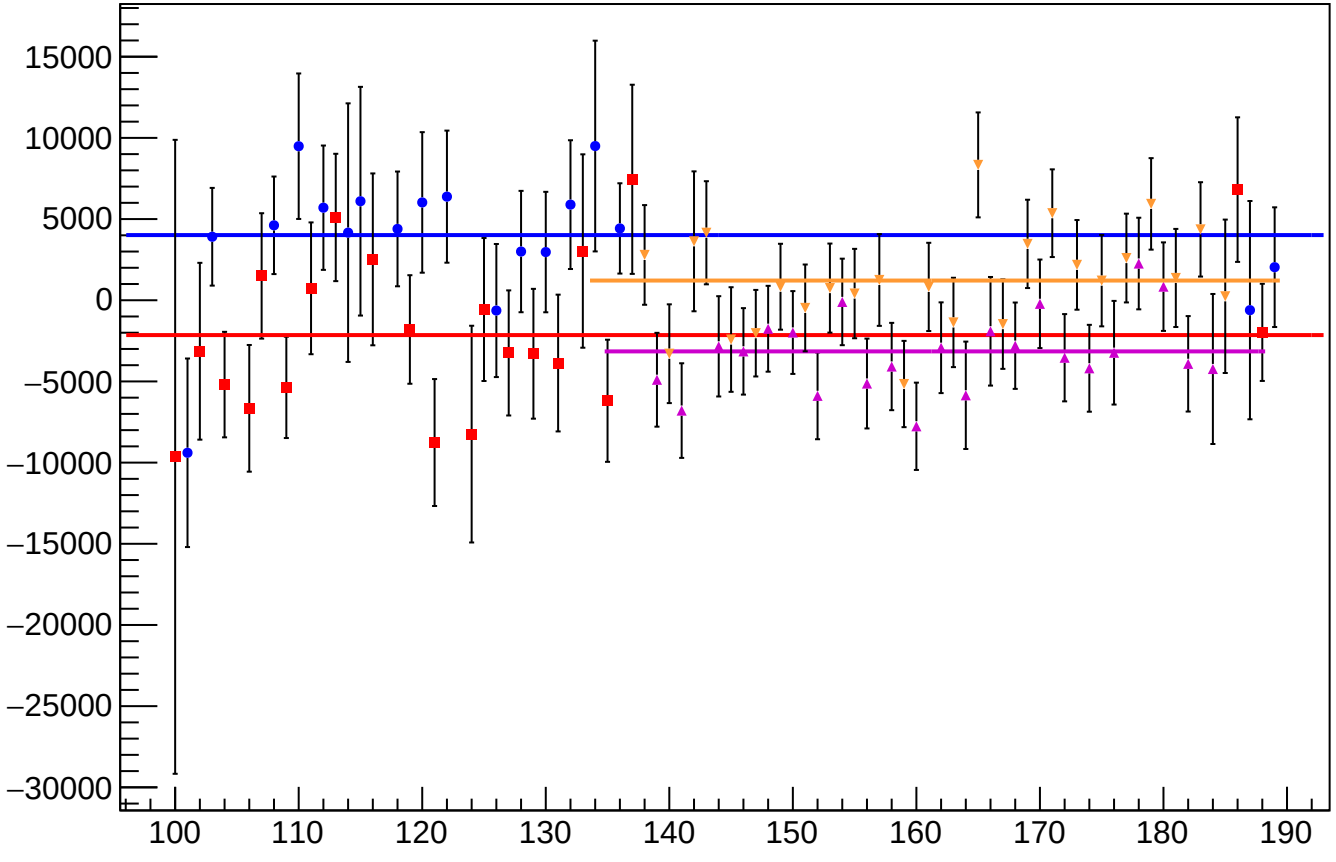
Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

+ sign 8567.263+/-1.191 χ^2/NDF: 2329038.1/42

All: 8497.303+/-0.839 χ^2/NDF: 5304986.7/86

- sign 8428.336+/-1.183 χ^2/NDF: 2969101.0/43

dit_asym_atr2_mean vs Slug



Right In: 4013.875+/-947.070 χ^2/NDF: 10.9/17

Left Out: 1213.875+/-579.693 χ^2/NDF:26.8/24

Right Out: -2145.299+/-900.338 χ^2/NDF: 21.9/20

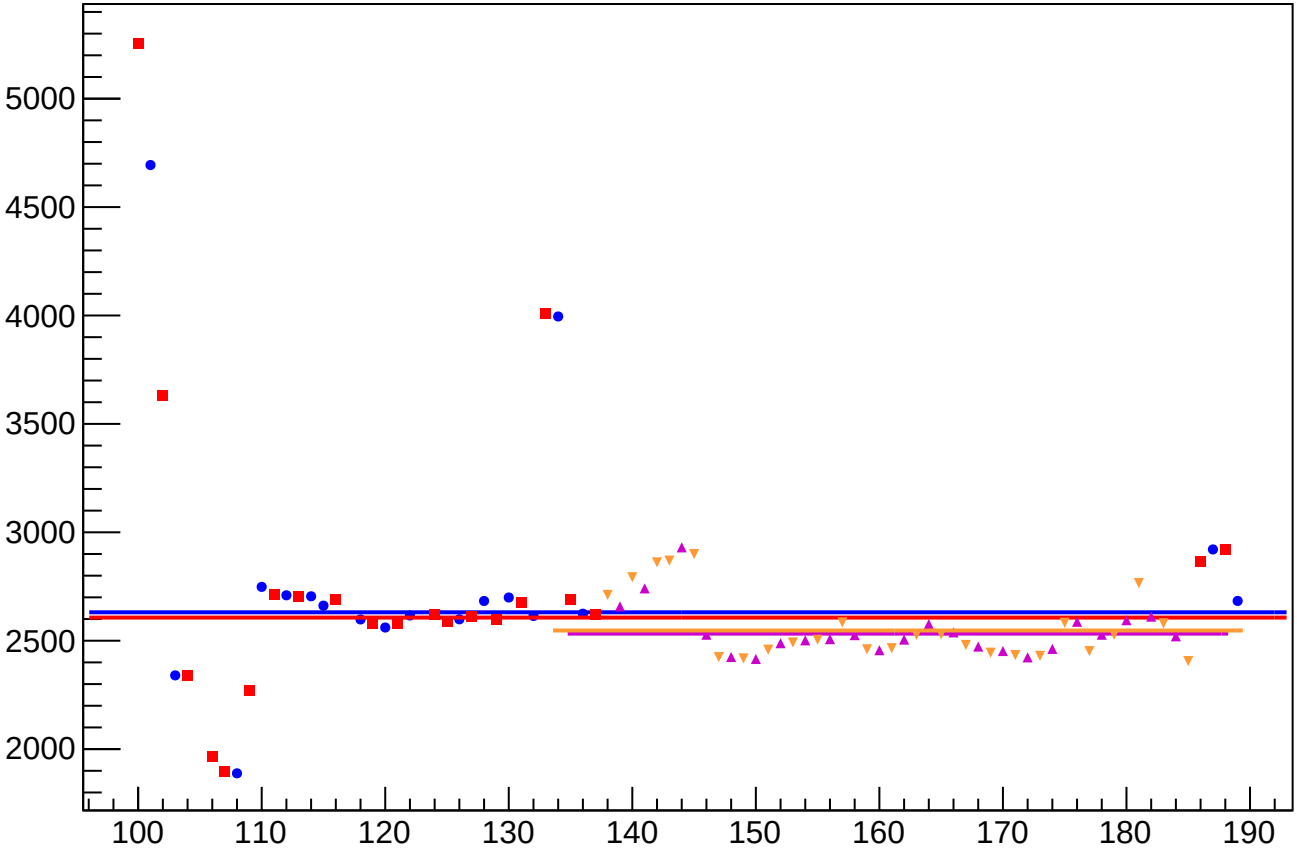
Left In: -3150.265+/-592.116 χ^2/NDF:16.5/22

+ sign 1977.001+/-494.426 χ^2/NDF: 44.1/42

All: -433.496+/-349.715 χ^2/NDF: 130.9/86

- sign -2846.838+/-494.718 χ^2/NDF: 39.2/43

dit_asym_atr2_rms vs Slug



Right In: 2631.045+/-0.670 χ^2/NDF: 490248.0/17

Left Out: 2547.154+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2606.736+/-0.636 χ^2/NDF: 411623.6/20

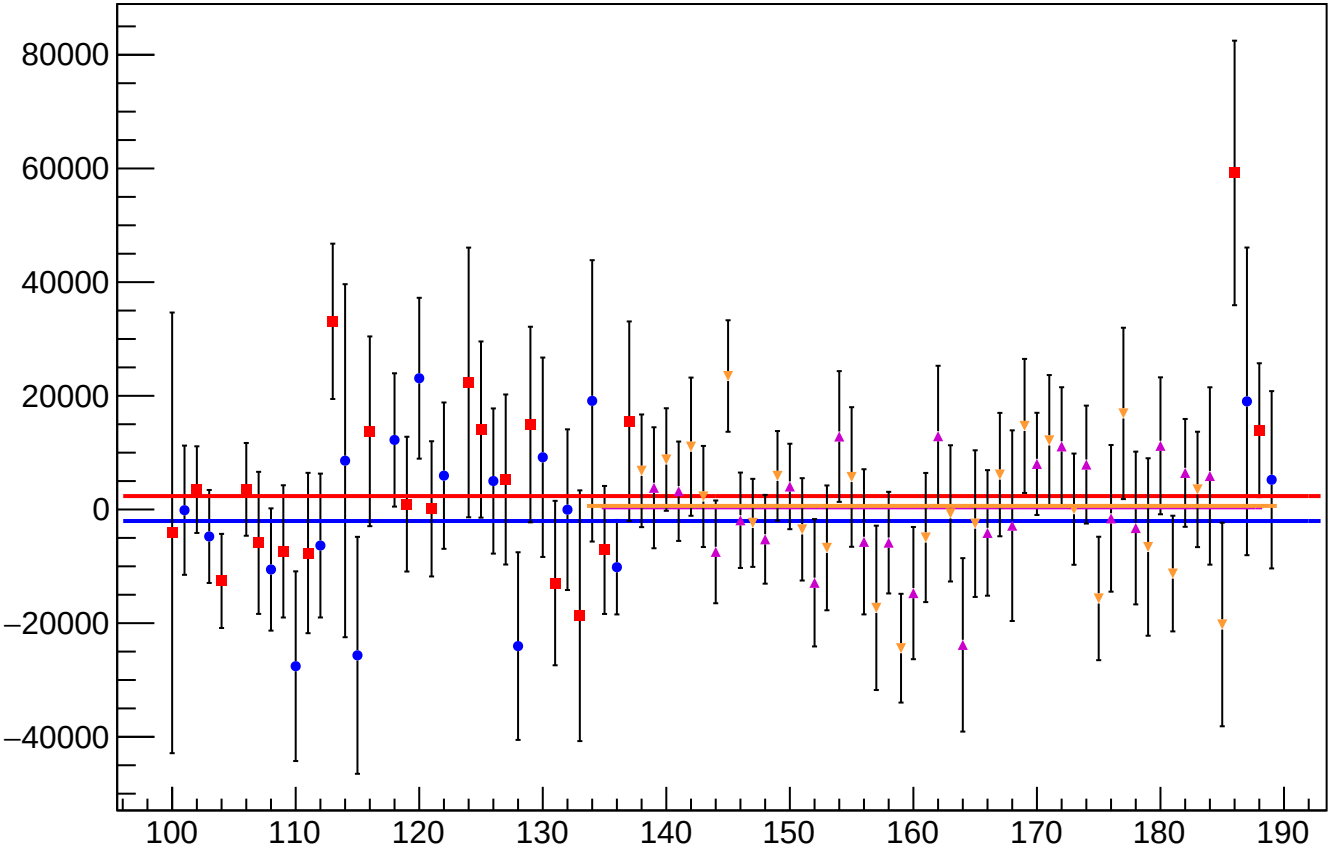
Left In: 2532.772+/-0.419 χ^2/NDF:68441.1/22

+ sign 2570.018+/-0.350 χ^2/NDF: 618962.2/42

All: 2562.572+/-0.247 χ^2/NDF: 1109363.5/86

- sign 2555.120+/-0.350 χ^2/NDF: 489493.7/43

asym_atr2_dit_correction_mean vs Slug



Right In: -2027.927+/-3124.494 χ^2/NDF: 14.7/17

Left Out: 631.360+/-2123.101 χ^2/NDF:26.7/24

Right Out: 2359.435+/-2771.212 χ^2/NDF: 22.6/20

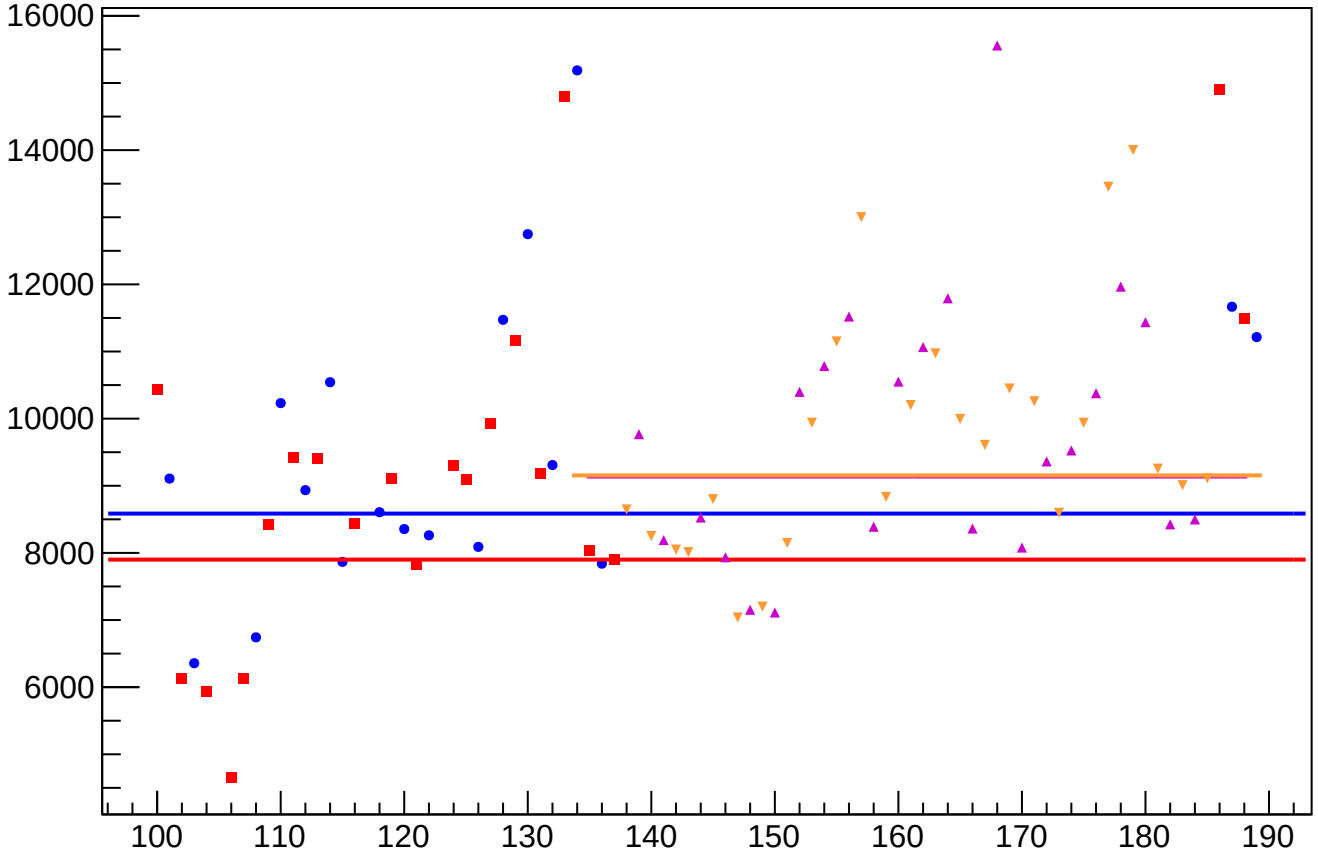
Left In: 377.922+/-2176.347 χ^2/NDF:14.2/22

+ sign -208.645+/-1756.055 χ^2/NDF: 41.8/42

All: 479.794+/-1225.703 χ^2/NDF: 79.3/86

- sign 1133.828+/-1711.612 χ^2/NDF: 37.2/43

asym_atr2_dit_correction_rms vs Slug



Right In: 8585.624+/-2.209 χ^2/NDF: 667708.0/17

Left Out: 9154.688+/-1.501 χ^2/NDF:1072073.9/24

Right Out: 7900.017+/-1.960 χ^2/NDF: 1366957.4/20

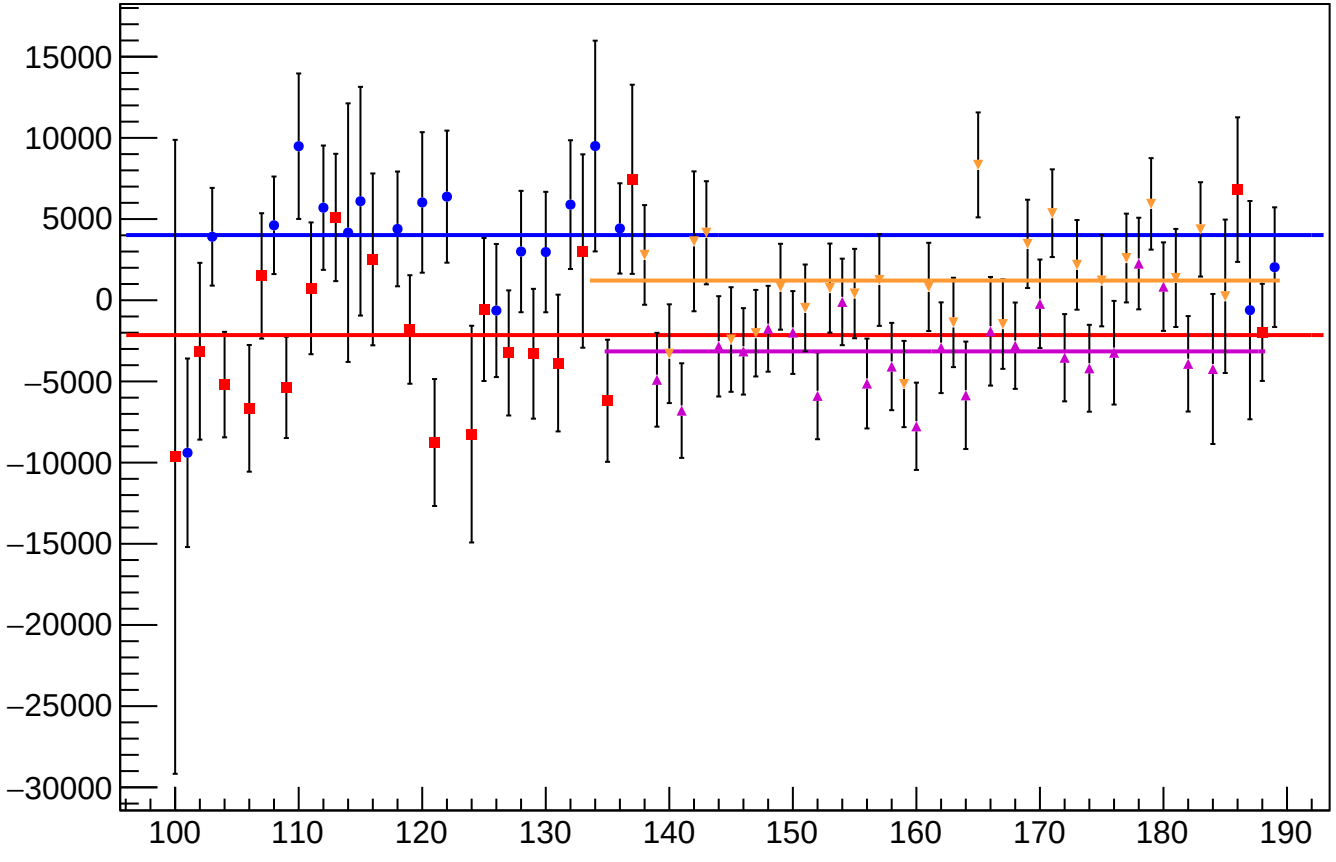
Left In: 9137.576+/-1.539 χ^2/NDF:1172792.2/22

+ sign 8974.934+/-1.242 χ^2/NDF: 1785168.6/42

All: 8816.238+/-0.867 χ^2/NDF: 4603473.5/86

- sign 8665.473+/-1.210 χ^2/NDF: 2786453.7/43

eigen_dit_asym_atr2_mean vs Slug



Right In: 4013.880+/-947.070 χ^2/NDF: 10.9/17

Left Out: 1213.864+/-579.693 χ^2/NDF:26.8/24

Right Out: -2145.309+/-900.338 χ^2/NDF: 21.9/20

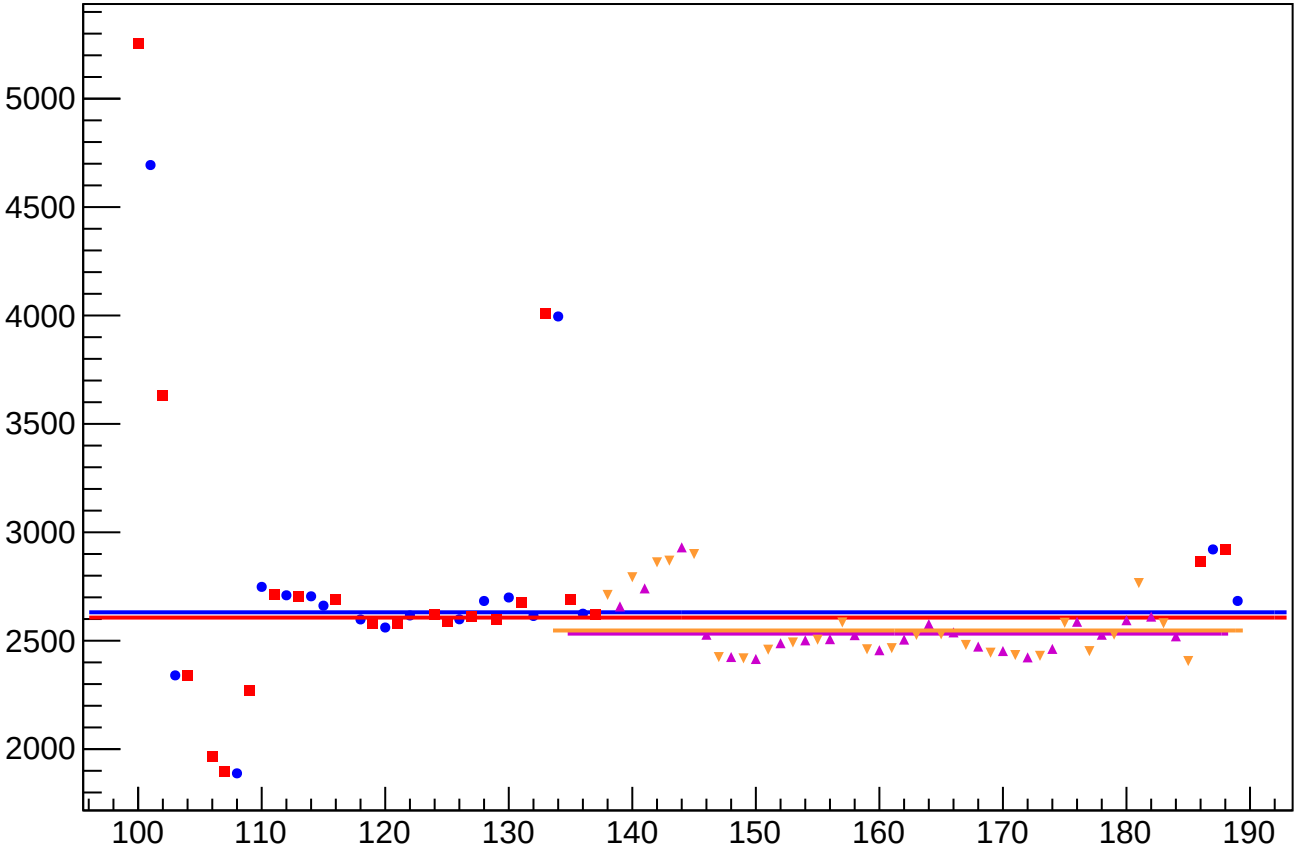
Left In: -3150.264+/-592.117 χ^2/NDF:16.5/22

+ sign 1976.995+/-494.426 χ^2/NDF: 44.1/42

All: -433.500+/-349.715 χ^2/NDF: 130.9/86

- sign -2846.840+/-494.718 χ^2/NDF: 39.2/43

eigen_dit_asym_atr2_rms vs Slug



Right In: 2631.044+/-0.670 χ^2/NDF: 490248.1/17

Left Out: 2547.156+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2606.736+/-0.636 χ^2/NDF: 411623.1/20

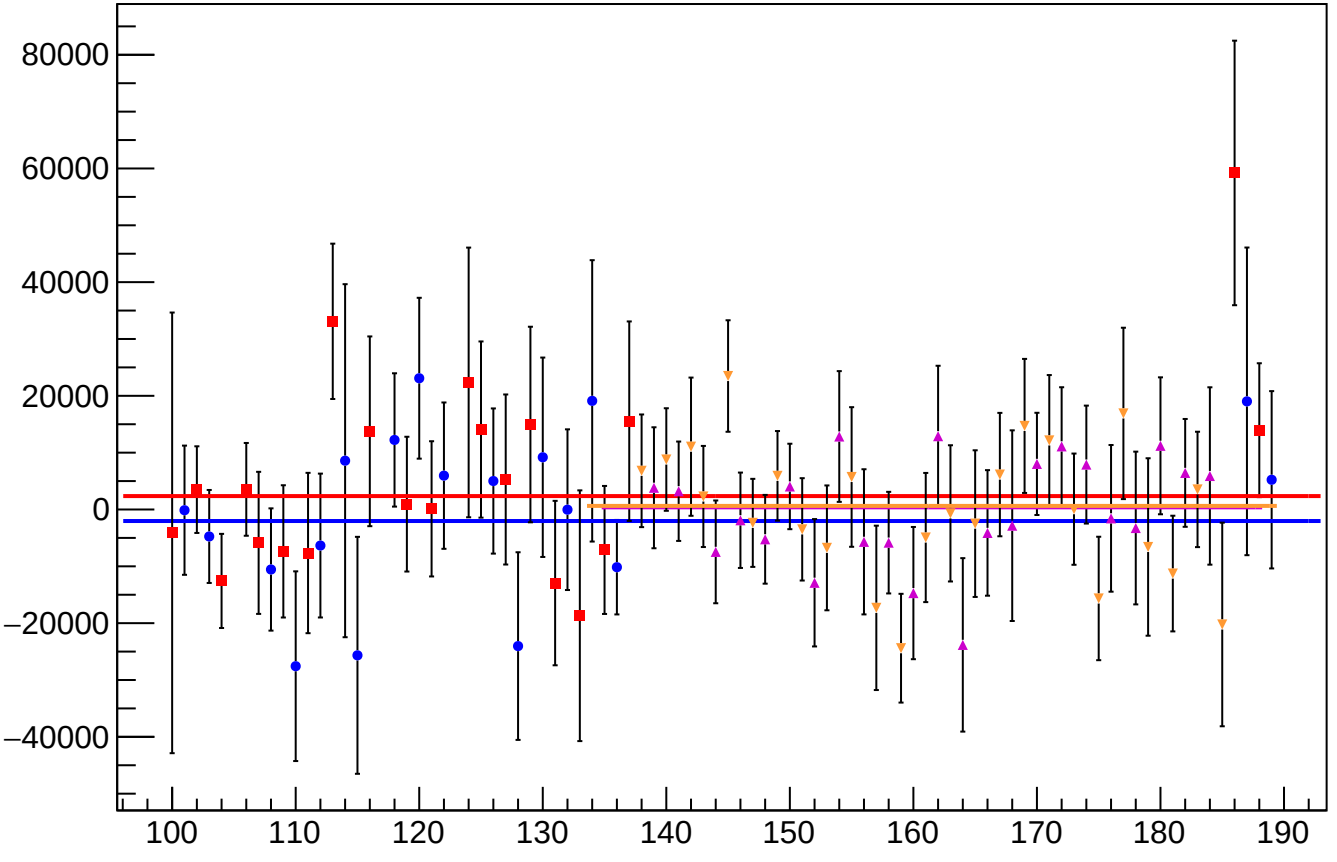
Left In: 2532.774+/-0.419 χ^2/NDF:68440.8/22

+ sign 2570.019+/-0.350 χ^2/NDF: 618961.6/42

All: 2562.573+/-0.247 χ^2/NDF: 1109361.6/86

- sign 2555.121+/-0.350 χ^2/NDF: 489492.4/43

asym_atr2_eigen_dit_correction_mean vs Slug



Right In: -2027.896+/-3124.490 χ^2/NDF: 14.7/17

Left Out: 631.356+/-2123.104 χ^2/NDF:26.7/24

Right Out: 2359.427+/-2771.208 χ^2/NDF: 22.6/20

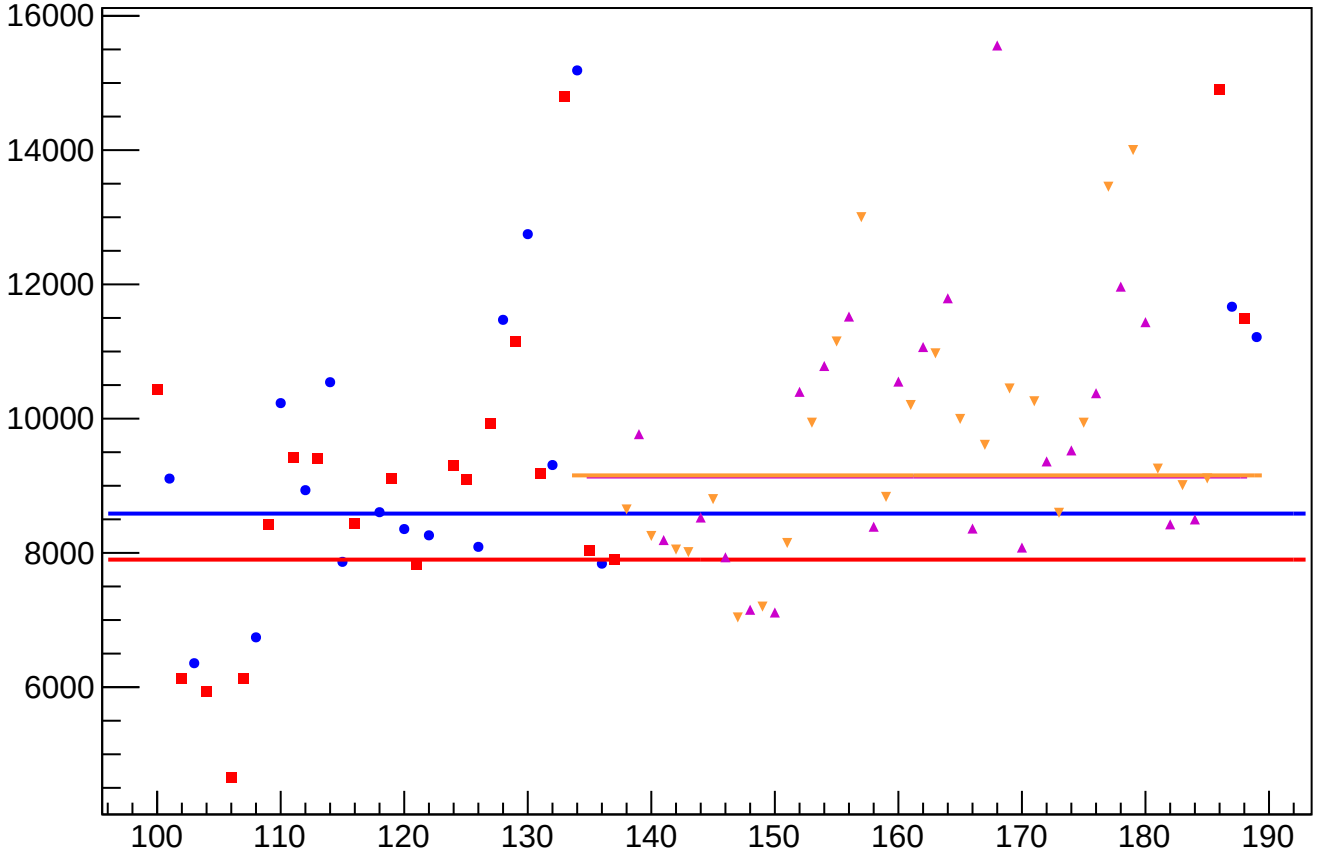
Left In: 377.927+/-2176.350 χ^2/NDF:14.2/22

+ sign -208.641+/-1756.056 χ^2/NDF: 41.8/42

All: 479.798+/-1225.704 χ^2/NDF: 79.3/86

- sign 1133.831+/-1711.612 χ^2/NDF: 37.2/43

asym_atr2_eigen_dit_correction_rms vs Slug



Right In: 8585.614+/-2.209 χ^2/NDF: 667704.1/17

Left Out: 9154.703+/-1.501 χ^2/NDF:1072075.9/24

Right Out: 7900.006+/-1.960 χ^2/NDF: 1366956.5/20

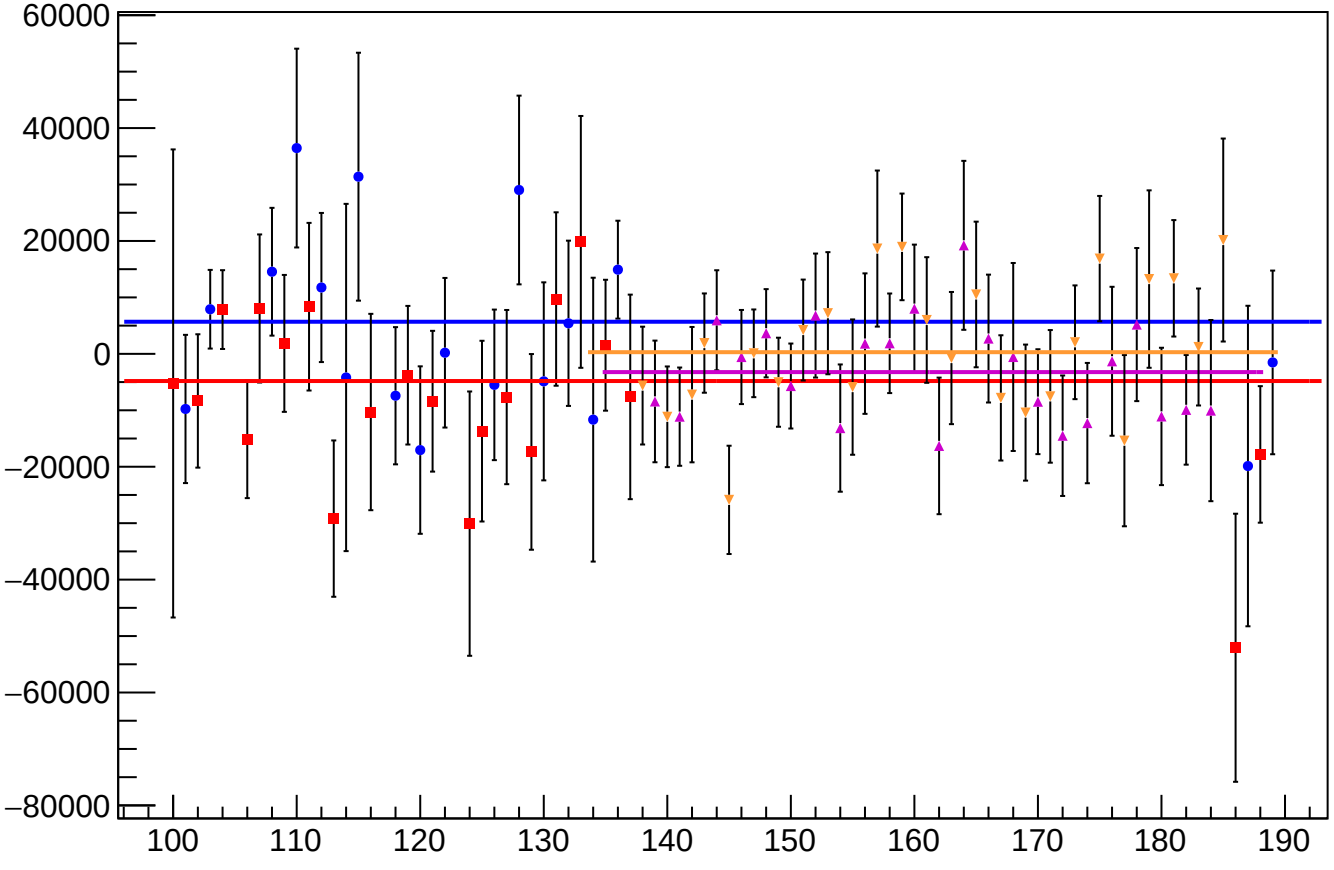
Left In: 9137.590+/-1.539 χ^2/NDF:1172796.0/22

+ sign 8974.941+/-1.242 χ^2/NDF: 1785170.5/42

All: 8816.243+/-0.867 χ^2/NDF: 4603489.3/86

- sign 8665.476+/-1.210 χ^2/NDF: 2786466.8/43

asym_atr2_mean vs Slug



Right In: 5688.457+/-3157.611 χ^2/NDF: 16.1/17

Left Out: 295.038+/-2125.383 χ^2/NDF:26.3/24

Right Out: -4815.423+/-2951.345 χ^2/NDF: 19.3/20

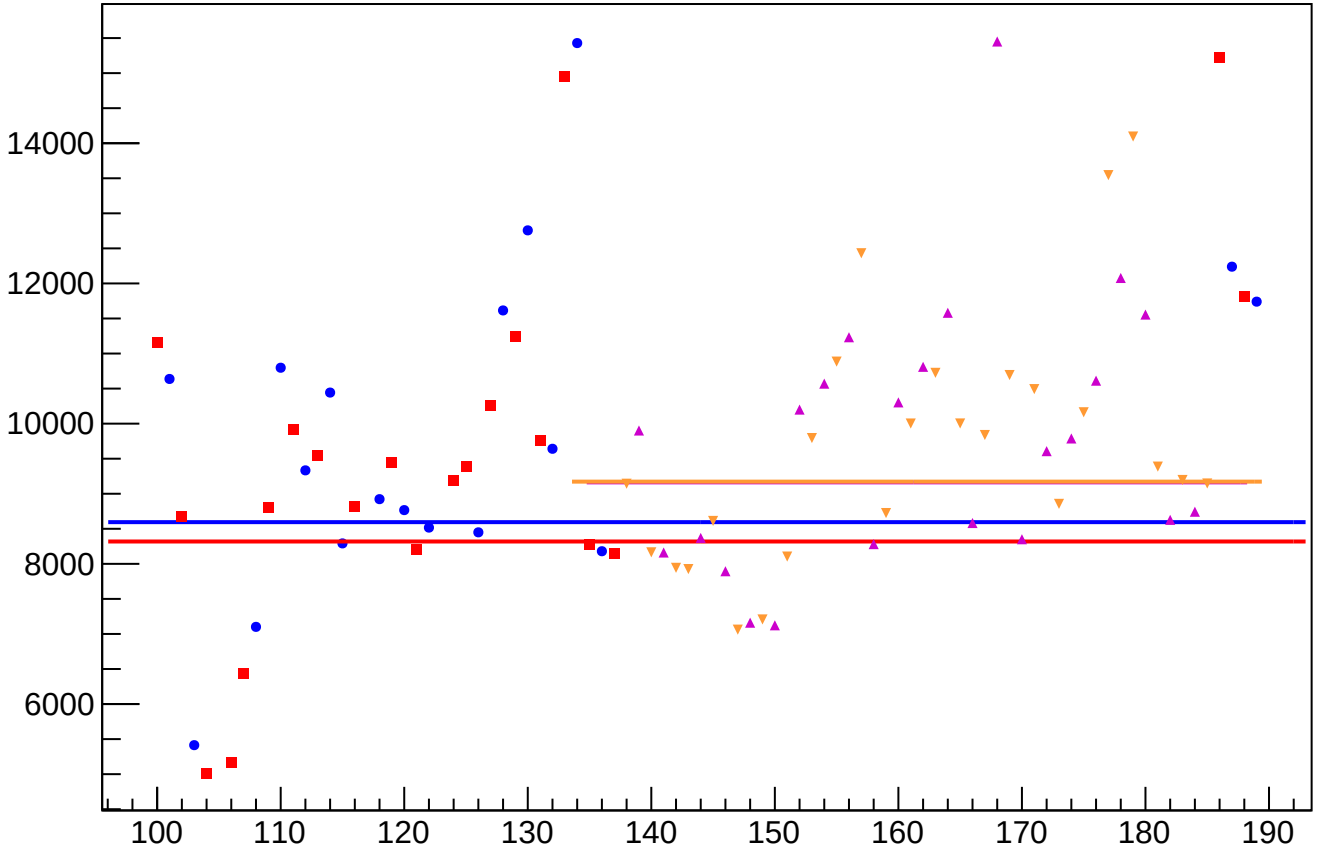
Left In: -3233.667+/-2179.845 χ^2/NDF:13.6/22

\+ sign 1976.695+/-1763.174 χ^2/NDF: 44.5/42

All: -923.628+/-1243.293 χ^2/NDF: 82.9/86

\- sign -3791.977+/-1753.429 χ^2/NDF: 33.0/43

asym_atr2_rms vs Slug



Right In: 8594.883+/-2.233 χ^2/NDF: 995180.4/17

Left Out: 9172.826+/-1.503 χ^2/NDF:1056946.9/24

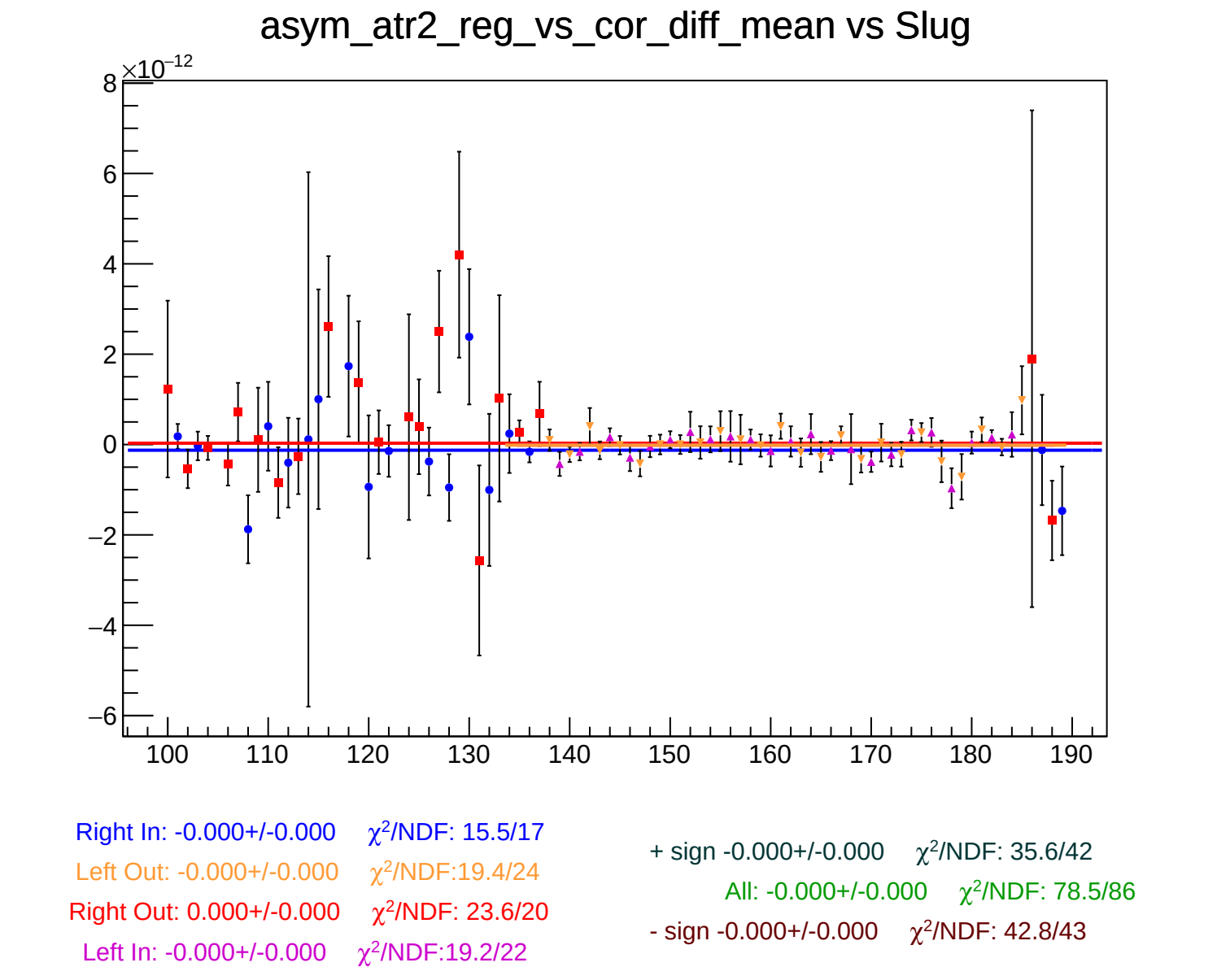
Right Out: 8318.832+/-2.087 χ^2/NDF: 1375950.6/20

Left In: 9162.276+/-1.541 χ^2/NDF:1127533.4/22

+ sign 8992.625+/-1.247 χ^2/NDF: 2098237.6/42

All: 8928.237+/-0.879 χ^2/NDF: 4712717.2/86

- sign 8864.560+/-1.240 χ^2/NDF: 2609174.8/43


asym_atr2_reg_vs_cor_diff_mean vs Slug
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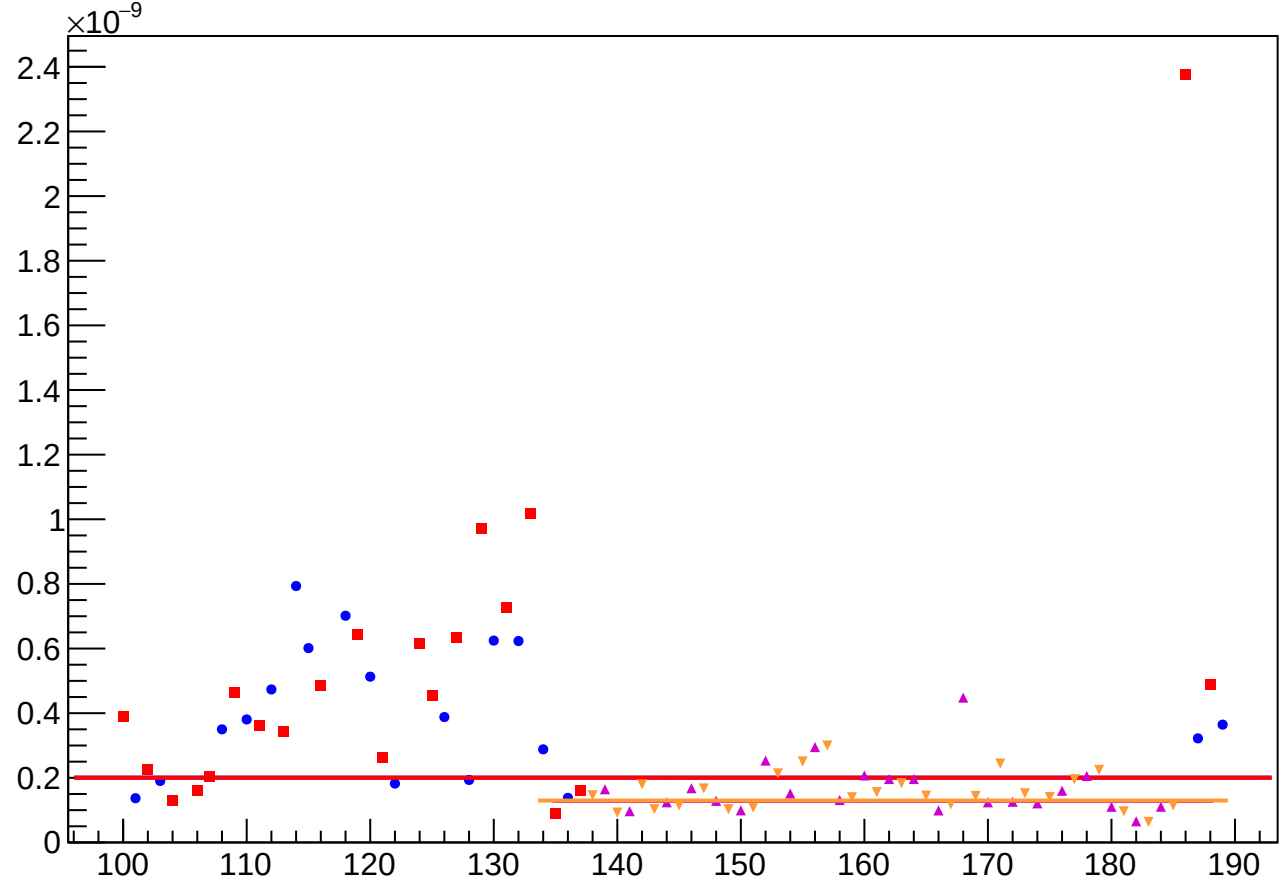
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 15.5/17
Left Out: -0.000+/-0.000 χ²/NDF:19.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 23.6/20
Left In: -0.000+/-0.000 χ²/NDF:19.2/22
+ sign -0.000+/-0.000 χ²/NDF: 35.6/42
All: -0.000+/-0.000 χ²/NDF: 78.5/86
- sign -0.000+/-0.000 χ²/NDF: 42.8/43

asym_atr2_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1420179.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:1390522.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2601374.6/20

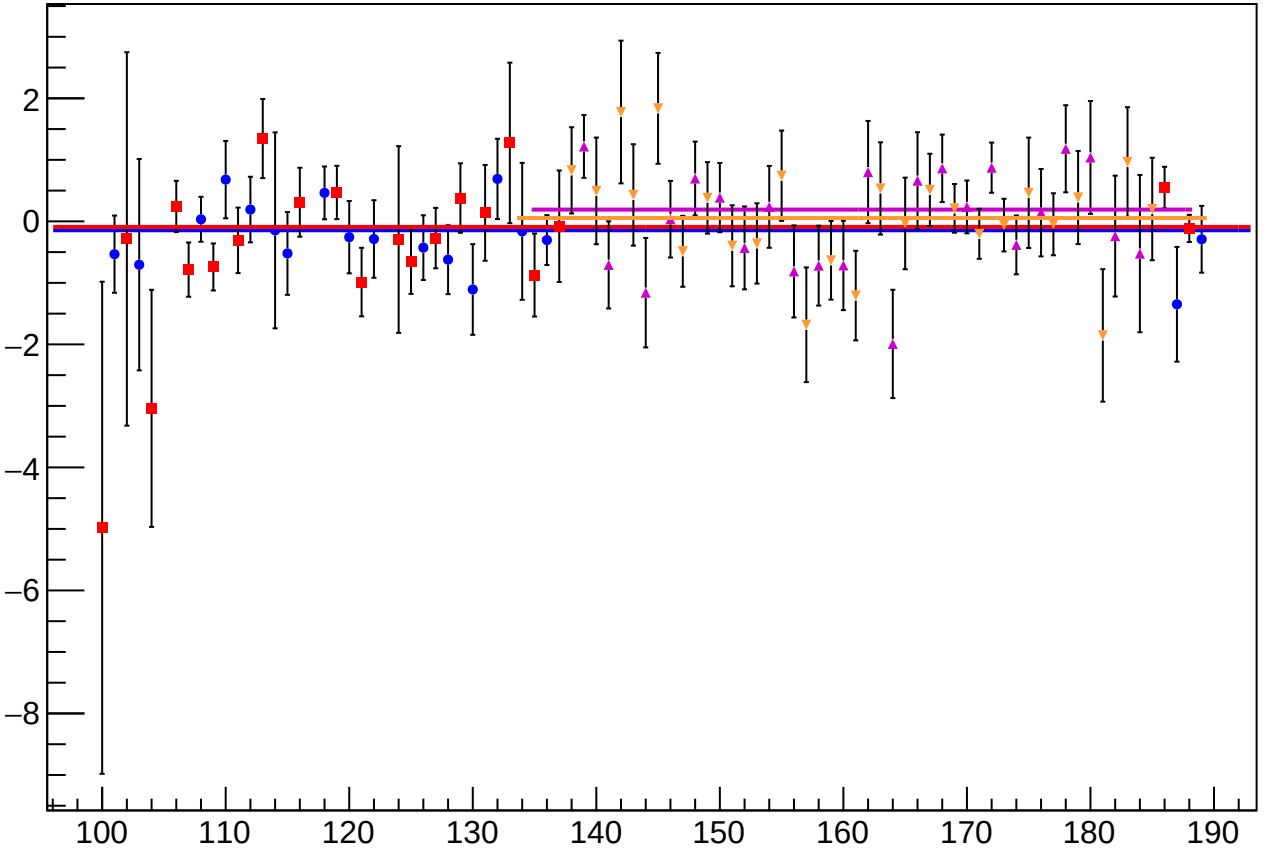
Left In: 0.000+/-0.000 χ^2/NDF:1516080.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 3307177.8/42

All: 0.000+/-0.000 χ^2/NDF: 7899661.0/86

- sign 0.000+/-0.000 χ^2/NDF: 4591732.3/43

asym_atr2_dit_vs_cor_diff_mean vs Slug



Right In: -0.145+/-0.138 χ^2/NDF: 11.5/17

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.091+/-0.110 χ^2/NDF: 27.9/20

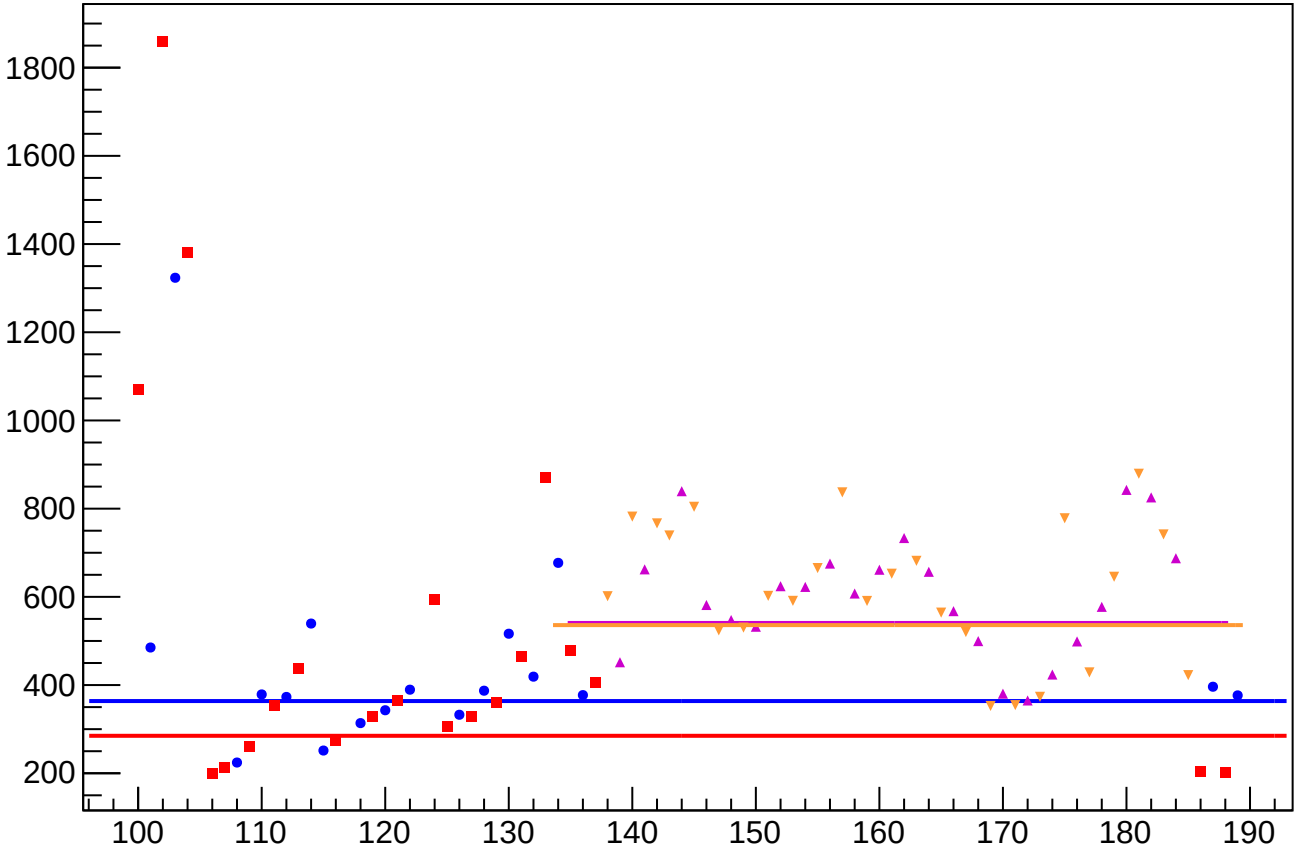
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.039+/-0.095 χ^2/NDF: 37.3/42

All: -0.004+/-0.063 χ^2/NDF: 99.3/86

- sign 0.024+/-0.085 χ^2/NDF: 61.7/43

asym_atr2_dit_vs_cor_diff_rms vs Slug



Right In: 363.730+/-0.098 χ^2/NDF: 1381146.1/17

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

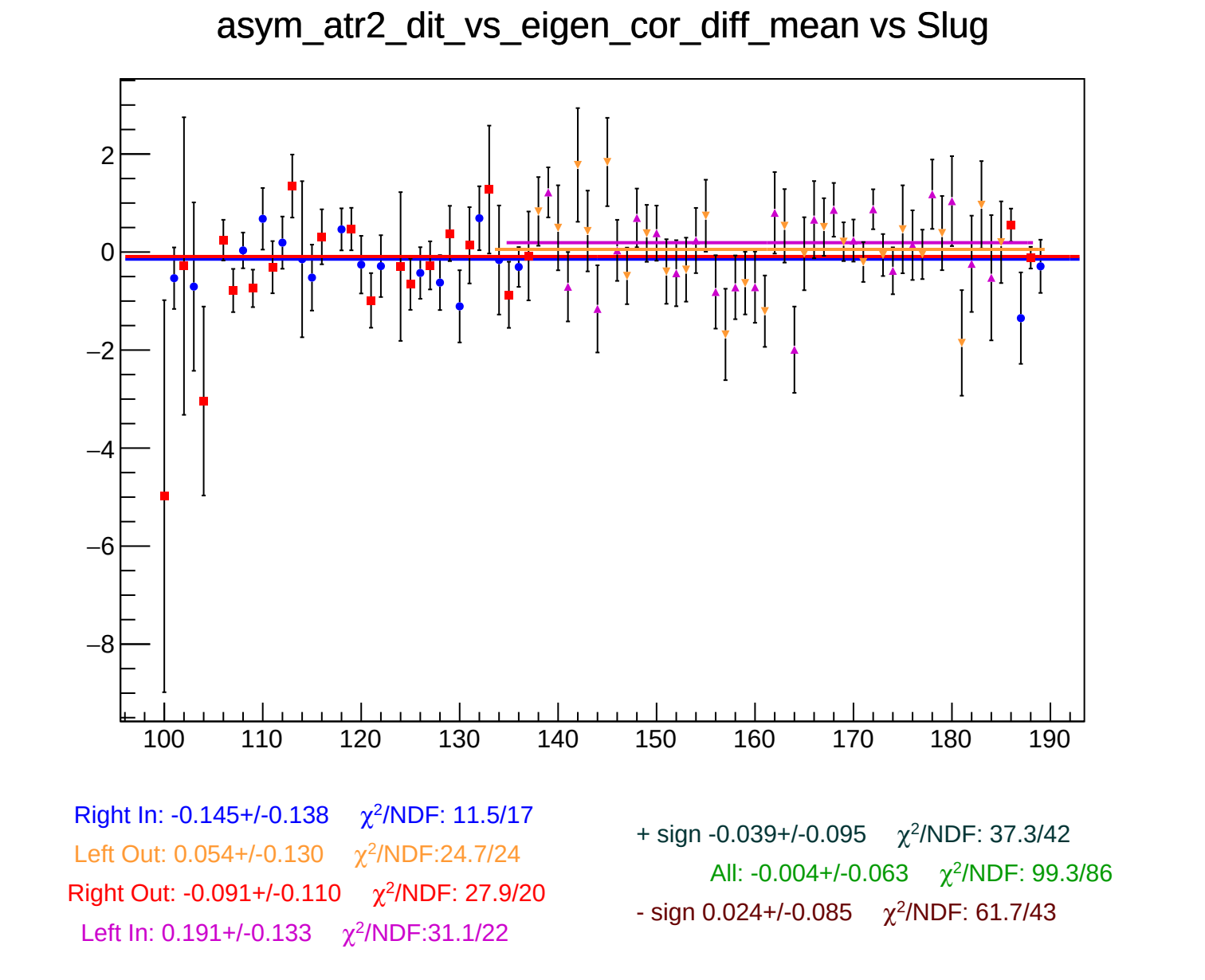
Right Out: 284.945+/-0.078 χ^2/NDF: 2853871.4/20

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 455.466+/-0.067 χ^2/NDF: 5783714.5/42

All: 418.763+/-0.045 χ^2/NDF: 15467097.4/86

- sign 389.115+/-0.060 χ^2/NDF: 9138176.8/43


asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug
2
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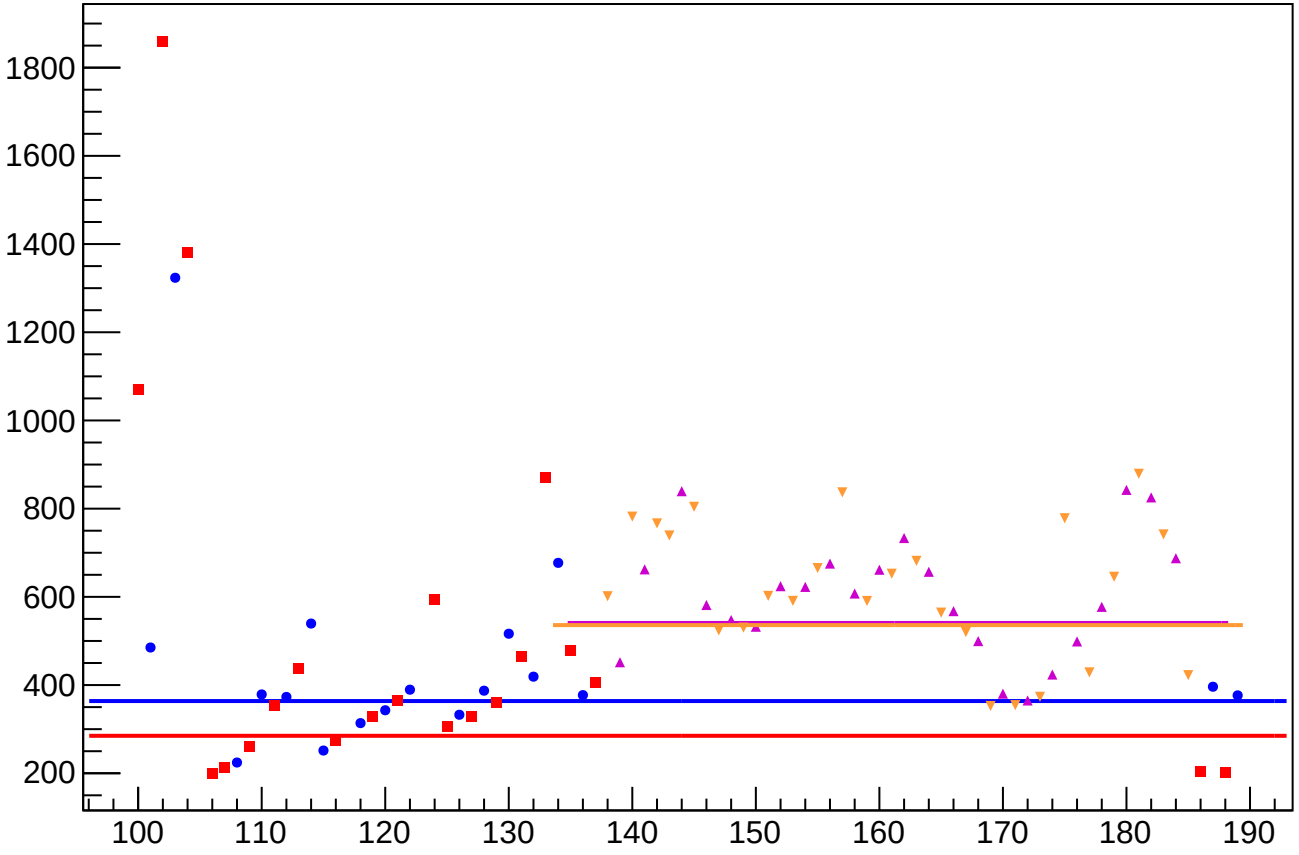
Right In: -0.145+/-0.138 χ²/NDF: 11.5/17
Left Out: 0.054+/-0.130 χ²/NDF:24.7/24
Right Out: -0.091+/-0.110 χ²/NDF: 27.9/20
Left In: 0.191+/-0.133 χ²/NDF:31.1/22
+ sign -0.039+/-0.095 χ²/NDF: 37.3/42
All: -0.004+/-0.063 χ²/NDF: 99.3/86
- sign 0.024+/-0.085 χ²/NDF: 61.7/43

asym_atr2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 363.730+/-0.098 χ^2/NDF: 1381146.1/17

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

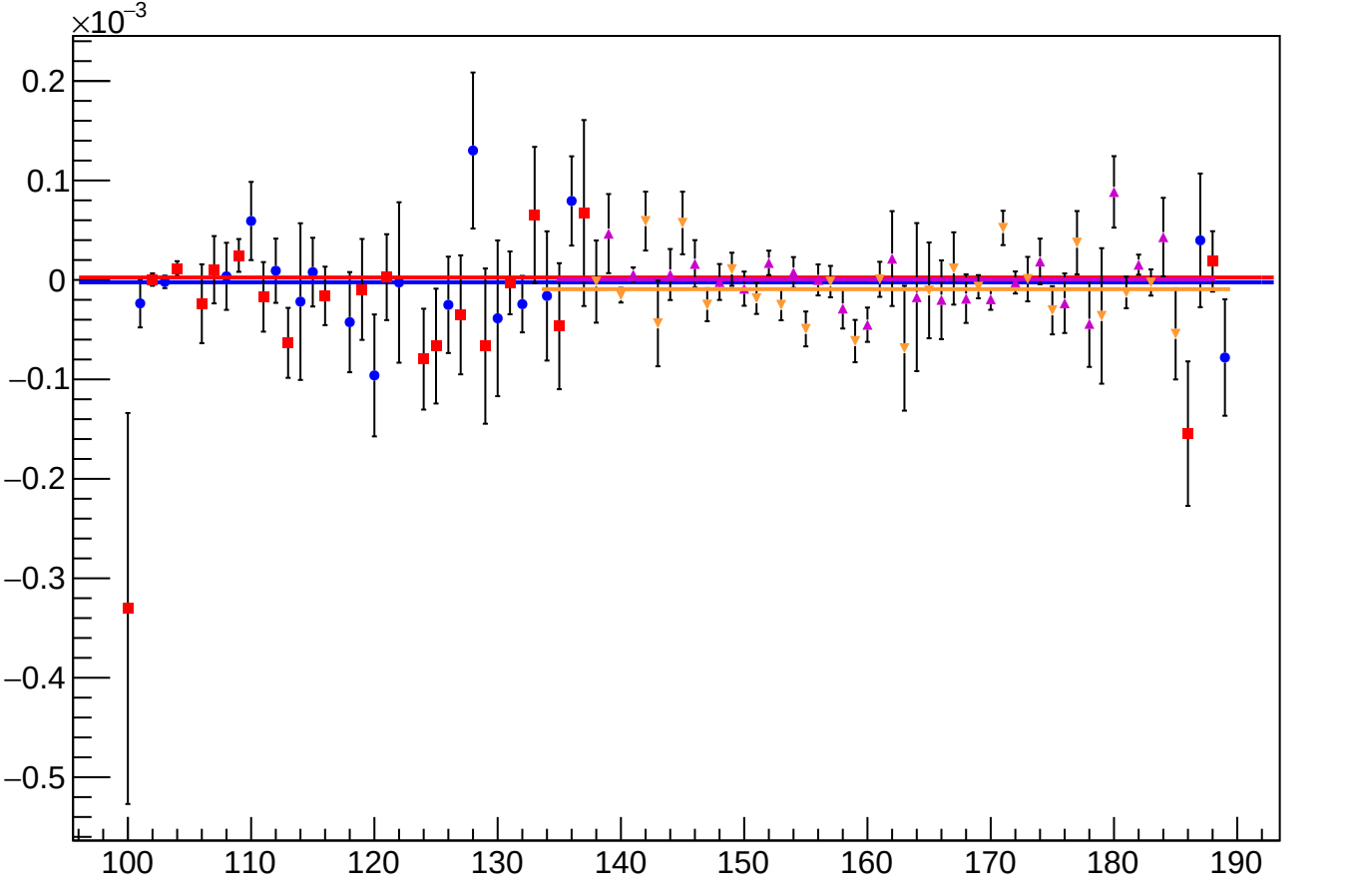
Right Out: 284.945+/-0.078 χ^2/NDF: 2853871.4/20

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 455.466+/-0.067 χ^2/NDF: 5783714.5/42

All: 418.763+/-0.045 χ^2/NDF: 15467097.4/86

- sign 389.115+/-0.060 χ^2/NDF: 9138176.8/43



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/17

Left Out: -0.000+/-0.000 χ^2/NDF:45.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/20

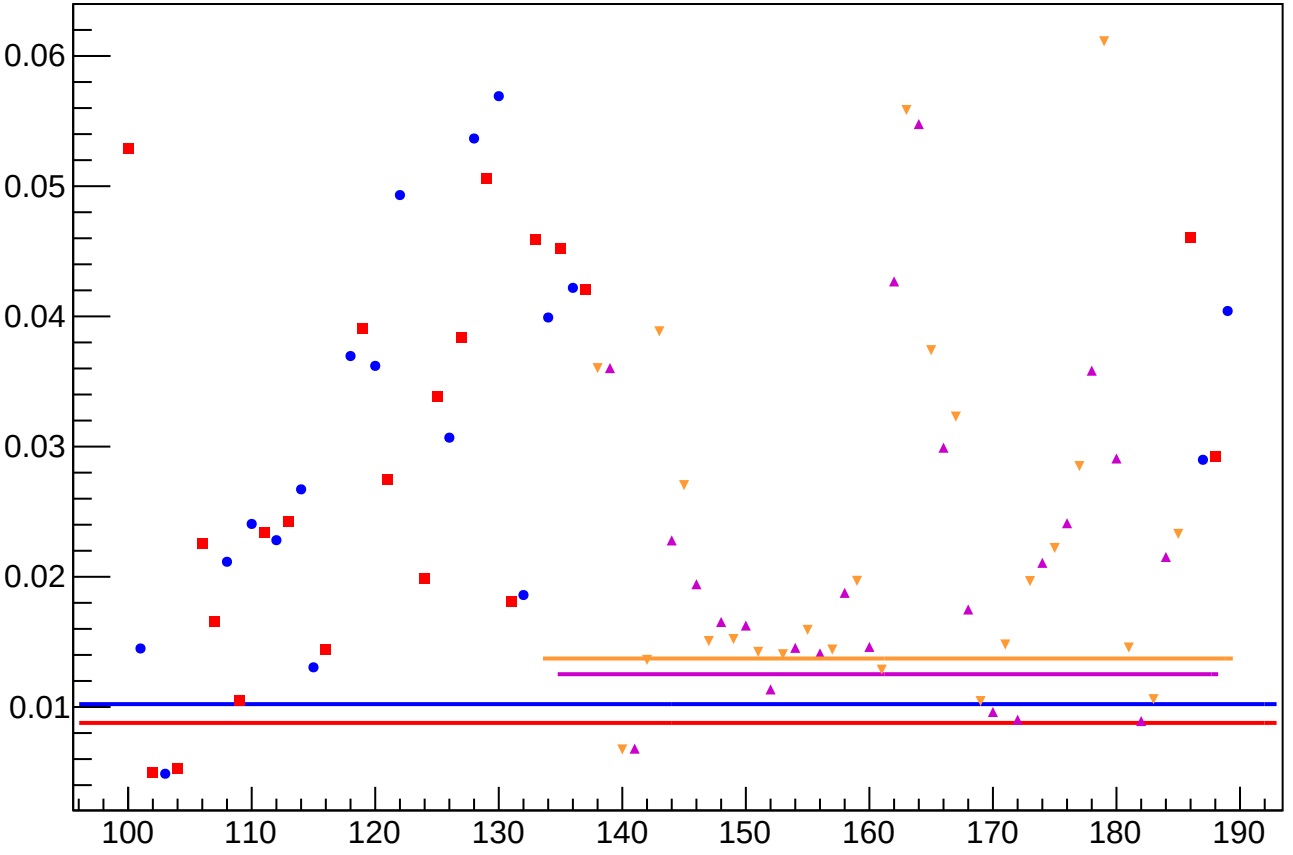
Left In: 0.000+/-0.000 χ^2/NDF:30.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 62.1/42

All: -0.000+/-0.000 χ^2/NDF: 119.9/86

- sign 0.000+/-0.000 χ^2/NDF: 53.3/43

asym_atr2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 7750221.0/17

Left Out: 0.014+/-0.000 χ^2/NDF:7717157.8/24

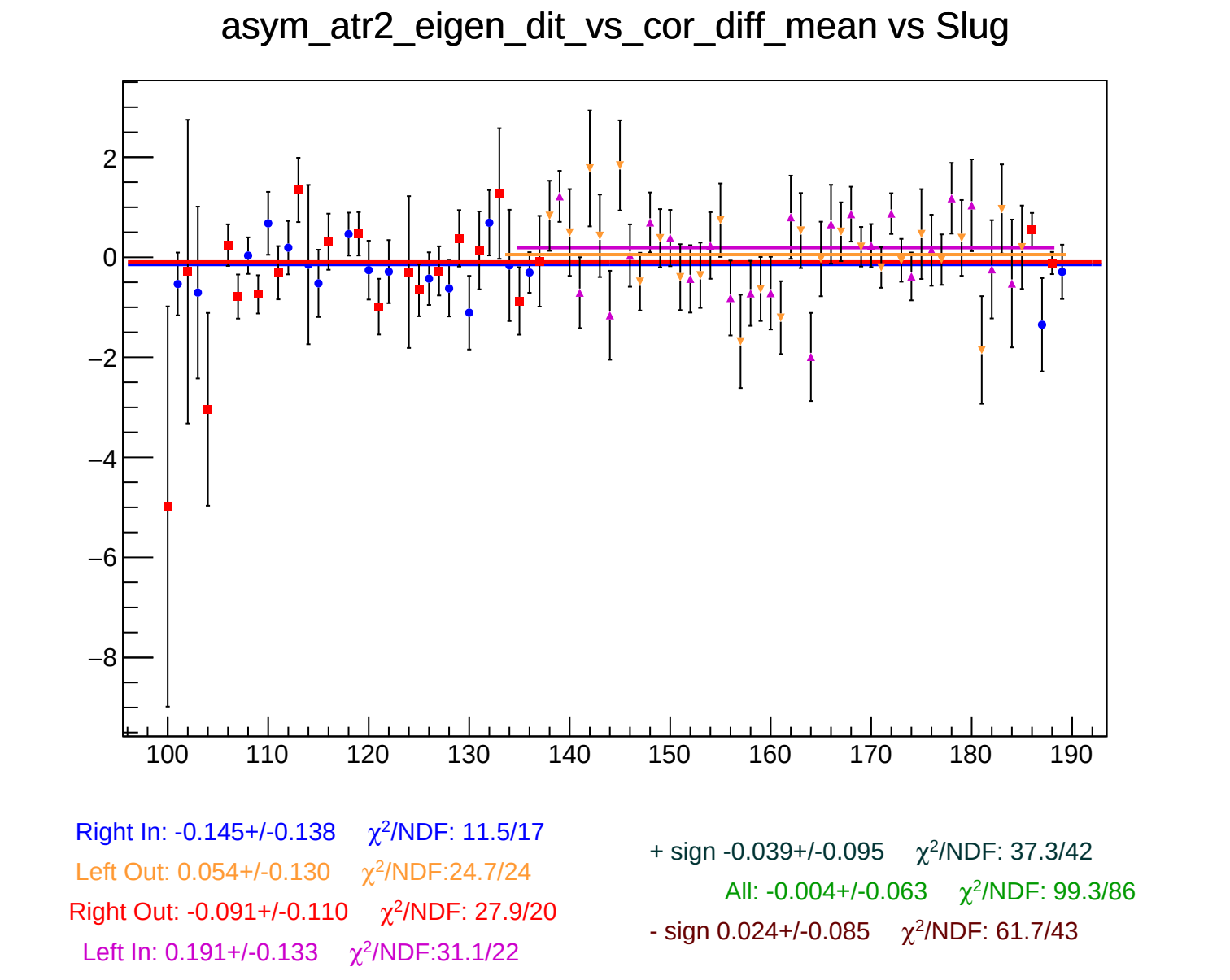
Right Out: 0.009+/-0.000 χ^2/NDF: 8207892.4/20

Left In: 0.013+/-0.000 χ^2/NDF:7121524.7/22

+ sign 0.013+/-0.000 χ^2/NDF: 16054999.0/42

All: 0.012+/-0.000 χ^2/NDF: 32672332.0/86

- sign 0.011+/-0.000 χ^2/NDF: 16285661.8/43


asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug
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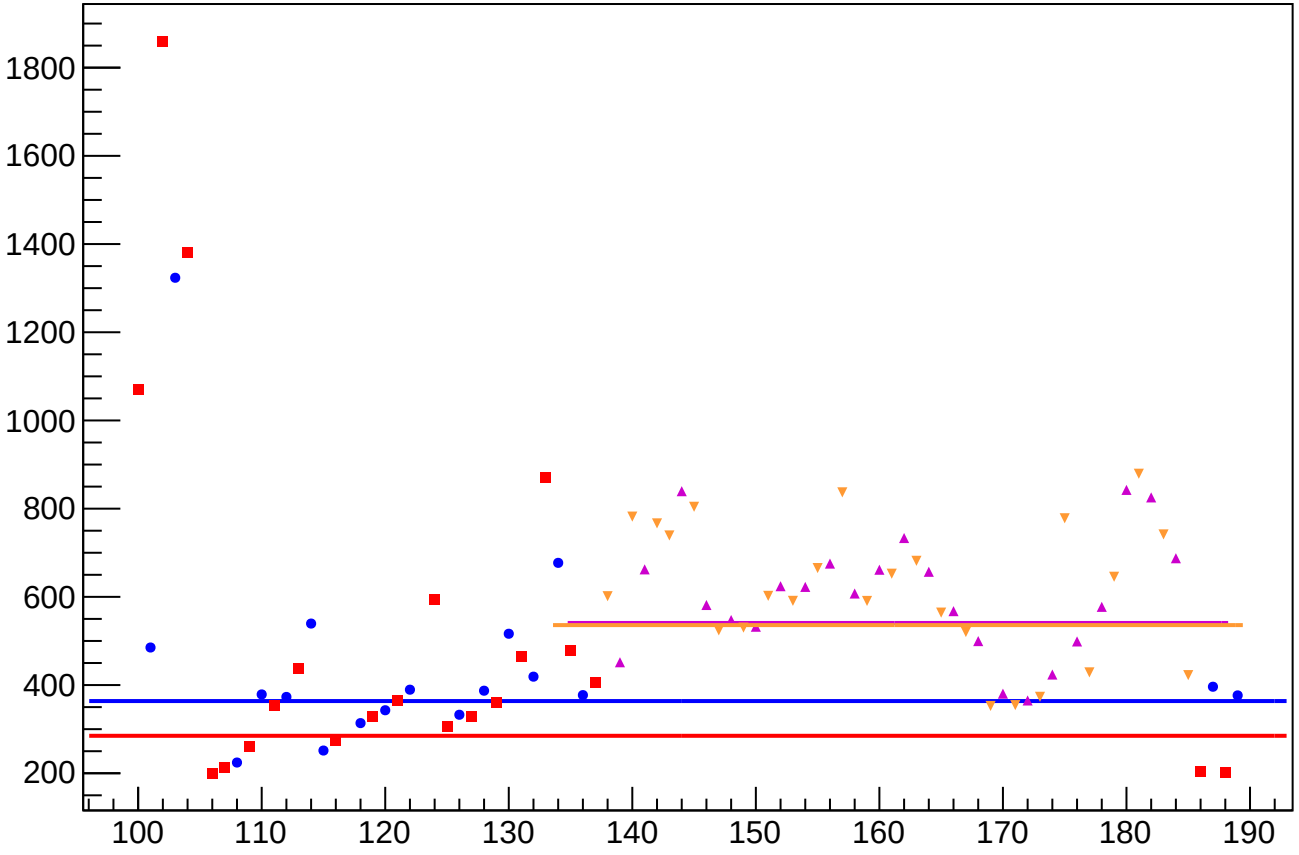
Right In: -0.145+/-0.138 χ²/NDF: 11.5/17
Left Out: 0.054+/-0.130 χ²/NDF:24.7/24
Right Out: -0.091+/-0.110 χ²/NDF: 27.9/20
Left In: 0.191+/-0.133 χ²/NDF:31.1/22
+ sign -0.039+/-0.095 χ²/NDF: 37.3/42
All: -0.004+/-0.063 χ²/NDF: 99.3/86
- sign 0.024+/-0.085 χ²/NDF: 61.7/43

asym_atr2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 363.726+/-0.098 χ^2/NDF: 1381145.5/17

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

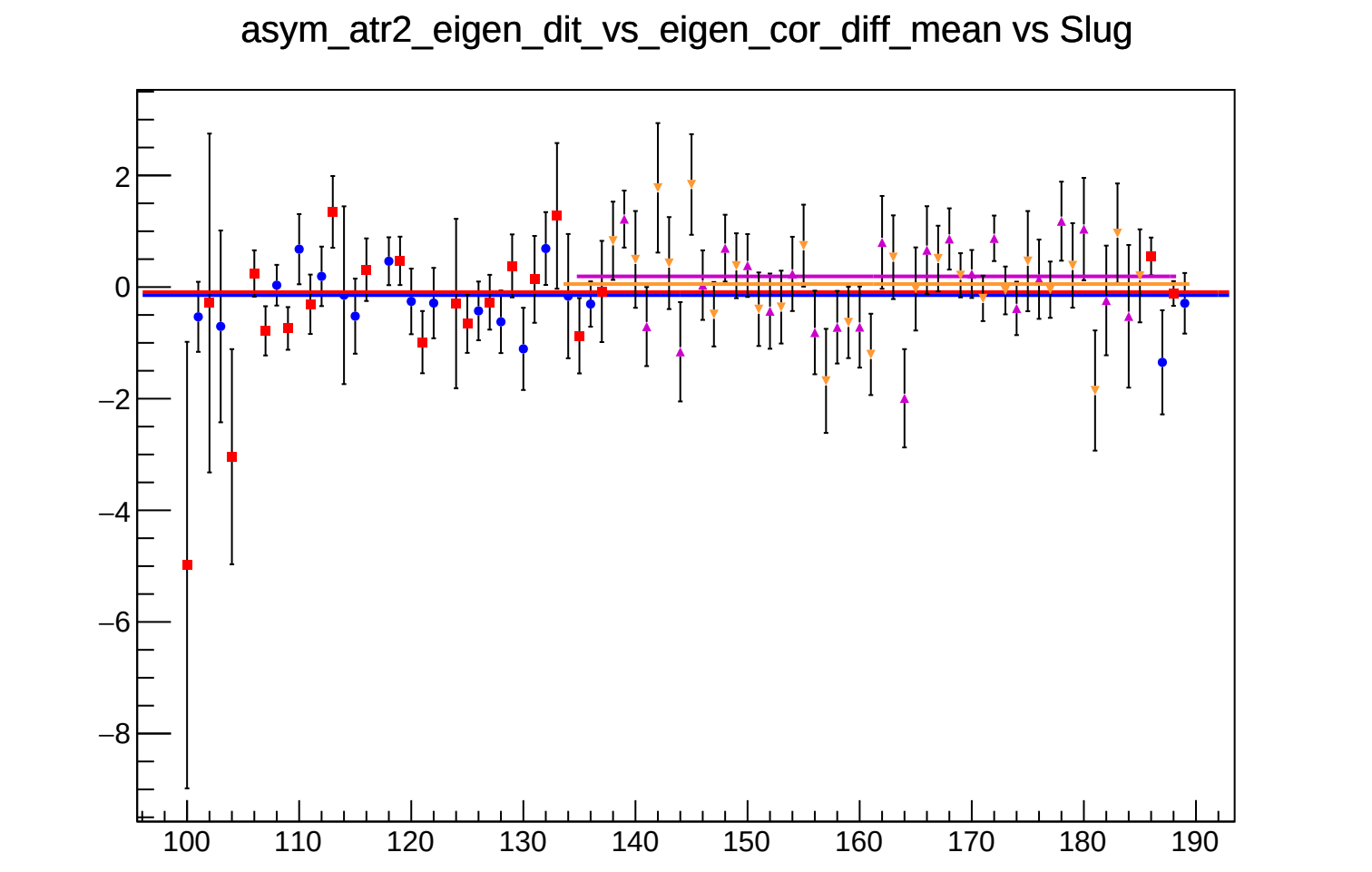
Right Out: 284.947+/-0.078 χ^2/NDF: 2853802.7/20

Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 455.465+/-0.067 χ^2/NDF: 5783957.5/42

All: 418.764+/-0.045 χ^2/NDF: 15467304.4/86

- sign 389.117+/-0.060 χ^2/NDF: 9138197.2/43



Right In: -0.145+/-0.138 χ^2/NDF: 11.5/17

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.091+/-0.110 χ^2/NDF: 27.9/20

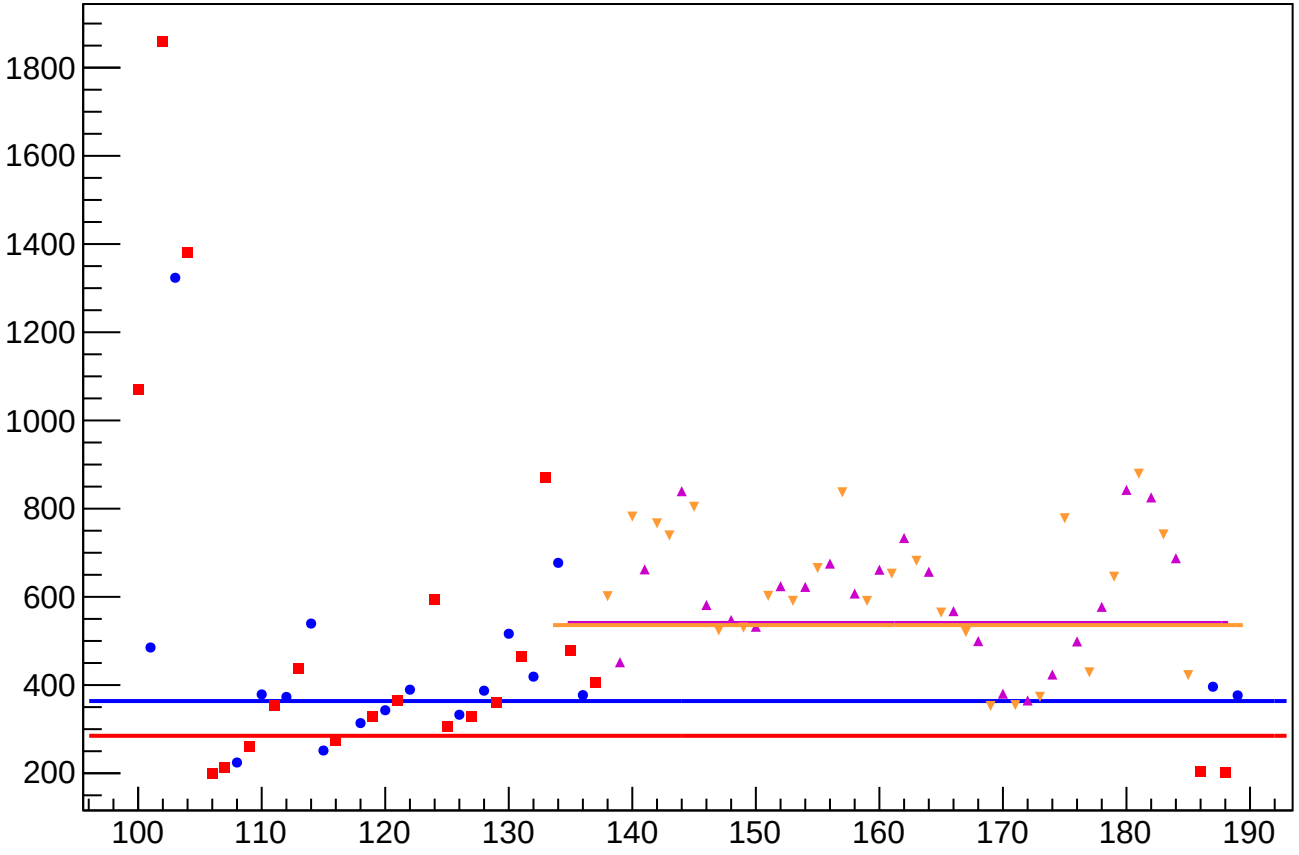
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.039+/-0.095 χ^2/NDF: 37.3/42

All: -0.004+/-0.063 χ^2/NDF: 99.3/86

- sign 0.024+/-0.085 χ^2/NDF: 61.7/43

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 363.726+/-0.098 χ^2/NDF: 1381145.5/17

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

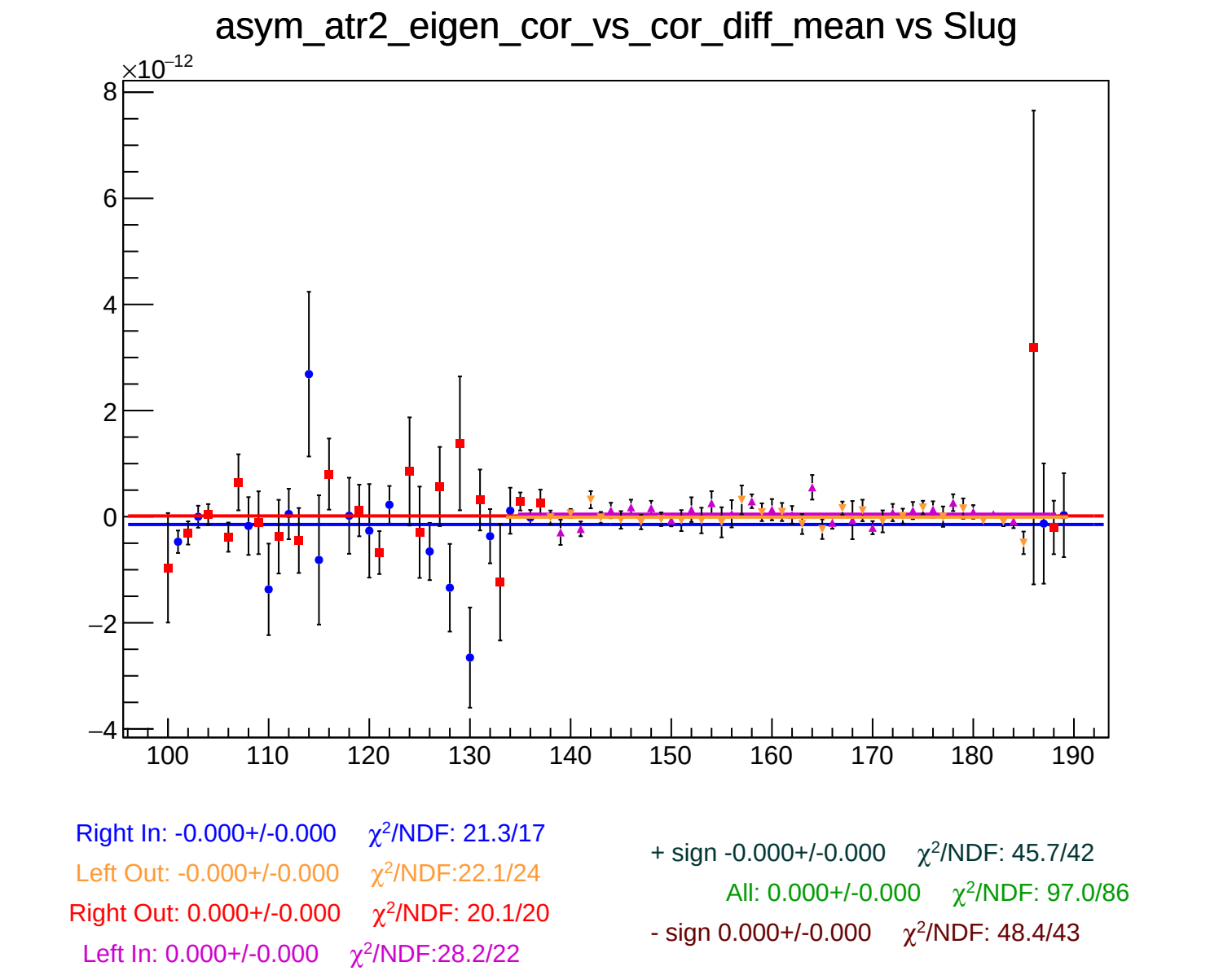
Right Out: 284.947+/-0.078 χ^2/NDF: 2853802.7/20

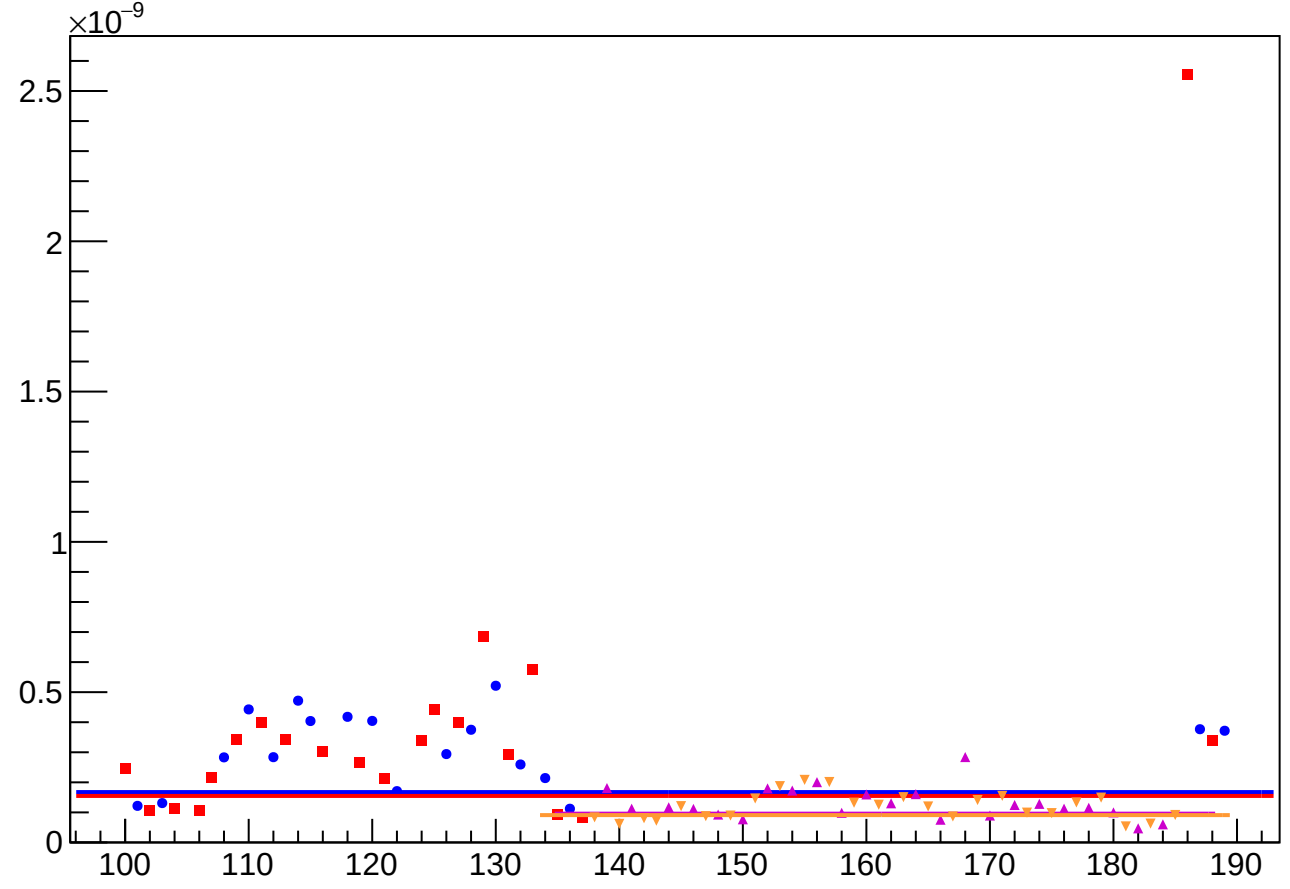
Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 455.465+/-0.067 χ^2/NDF: 5783957.5/42

All: 418.764+/-0.045 χ^2/NDF: 15467304.4/86

- sign 389.117+/-0.060 χ^2/NDF: 9138197.2/43


asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
8
6
4
2
0
−2
−4
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 21.3/17
Left Out: -0.000+/-0.000 χ²/NDF:22.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 20.1/20
Left In: 0.000+/-0.000 χ²/NDF:28.2/22
+ sign -0.000+/-0.000 χ²/NDF: 45.7/42
All: 0.000+/-0.000 χ²/NDF: 97.0/86
- sign 0.000+/-0.000 χ²/NDF: 48.4/43



Right In: 0.000+/-0.000 χ^2/NDF: 2215989.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:3367730.2/24

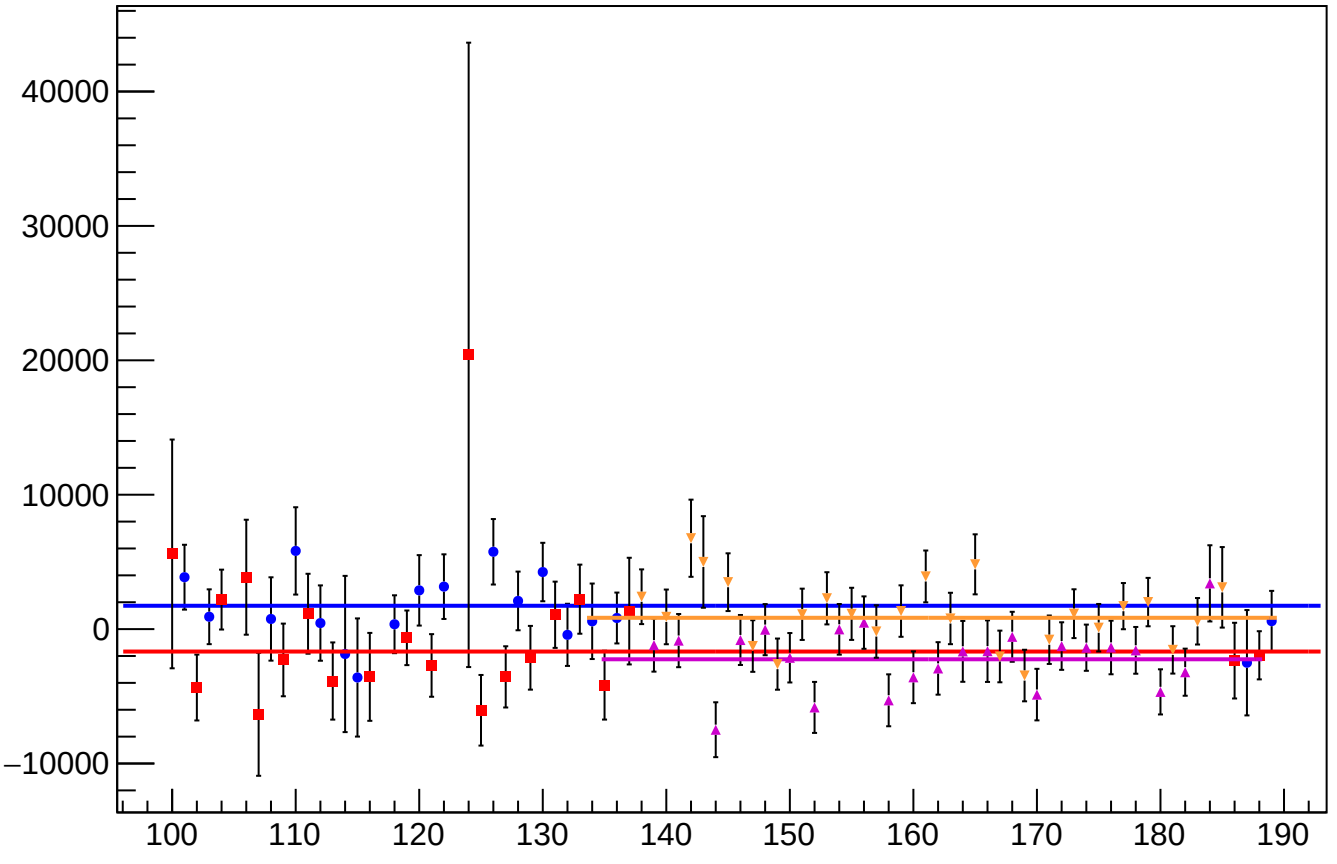
Right Out: 0.000+/-0.000 χ^2/NDF: 3701546.1/20

Left In: 0.000+/-0.000 χ^2/NDF:3905784.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 7008414.5/42

All: 0.000+/-0.000 χ^2/NDF: 15552176.7/86

- sign 0.000+/-0.000 χ^2/NDF: 8518234.4/43



Right In: 1737.060+/-597.703 χ^2/NDF: 12.4/17

Left Out: 841.572+/-394.444 χ^2/NDF:30.4/24

Right Out: -1669.027+/-591.088 χ^2/NDF: 19.5/20

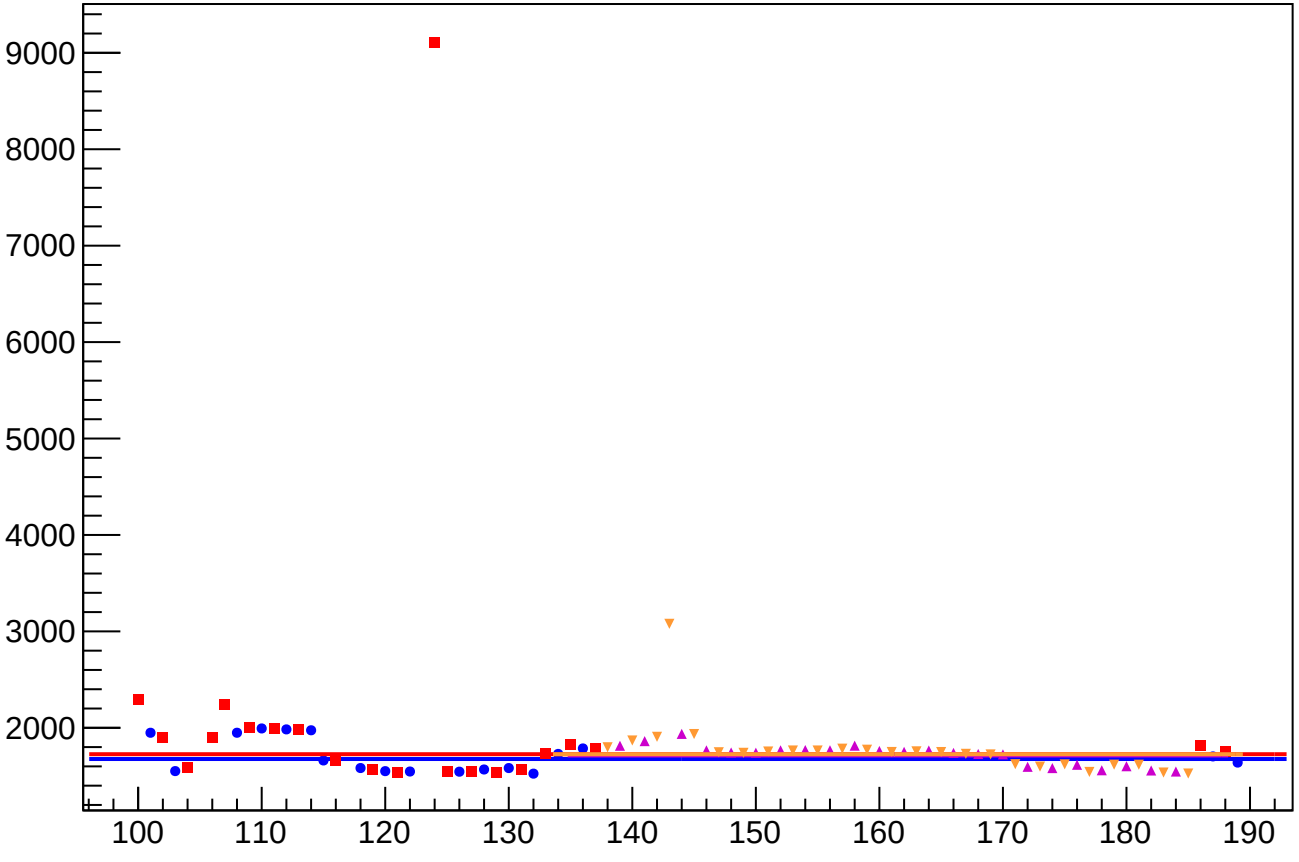
Left In: -2245.041+/-400.753 χ^2/NDF:29.4/22

+ sign 1113.249+/-329.217 χ^2/NDF: 44.4/42

All: -463.249+/-233.665 χ^2/NDF: 140.1/86

- sign -2063.645+/-331.703 χ^2/NDF: 49.6/43

reg_asym_atl_avg_rms vs Slug



Right In: 1676.359+/-0.423 χ^2/NDF: 142140.8/17

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1726.208+/-0.416 χ^2/NDF: 385800.6/20

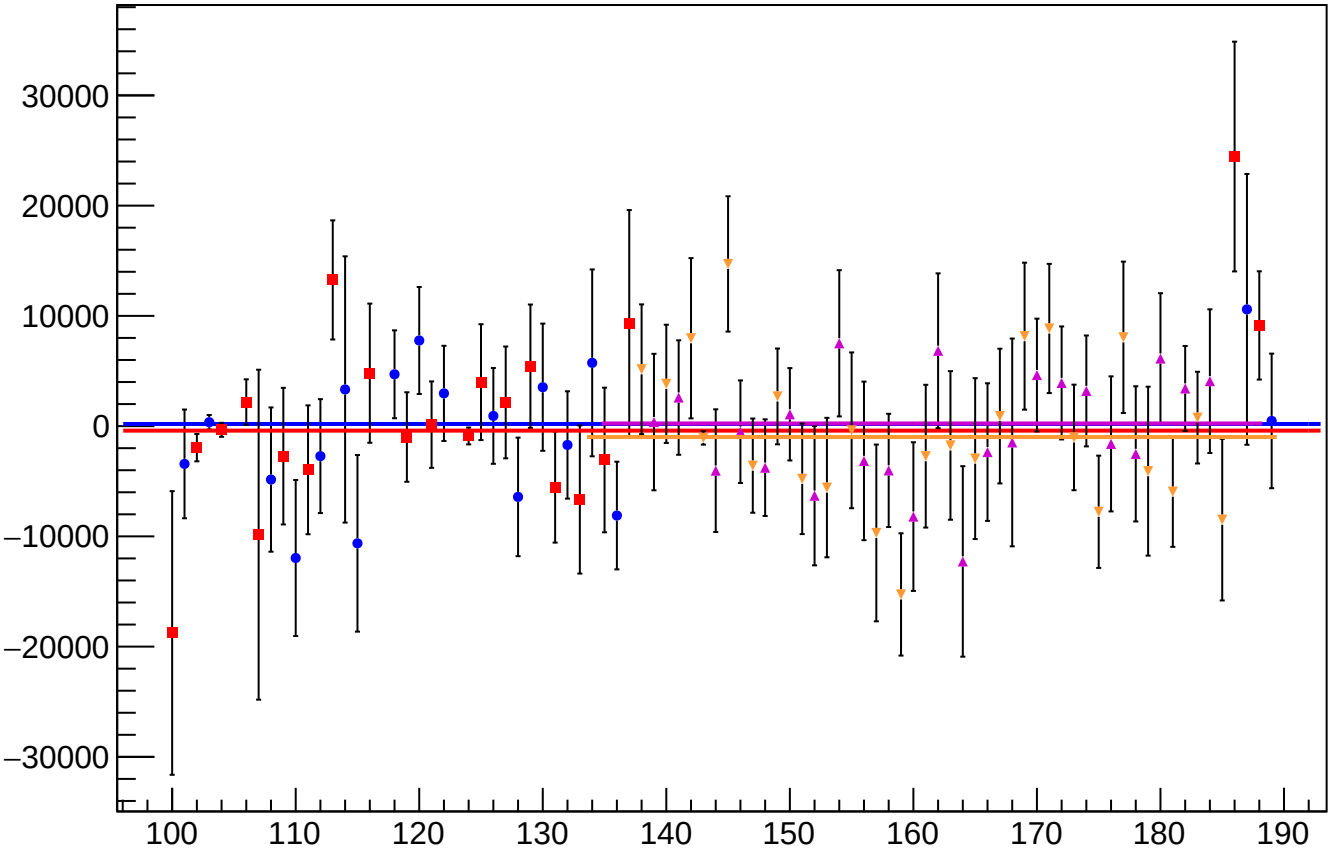
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1710.980+/-0.233 χ^2/NDF: 606704.3/42

All: 1714.115+/-0.165 χ^2/NDF: 1122832.1/86

- sign 1717.289+/-0.234 χ^2/NDF: 515763.0/43

asym_atl_avg_reg_correction_mean vs Slug



Right In: 195.010+/-588.172 χ^2/NDF: 16.6/17

Left Out: -987.621+/-541.250 χ^2/NDF:30.8/24

Right Out: -408.375+/-422.854 χ^2/NDF: 28.1/20

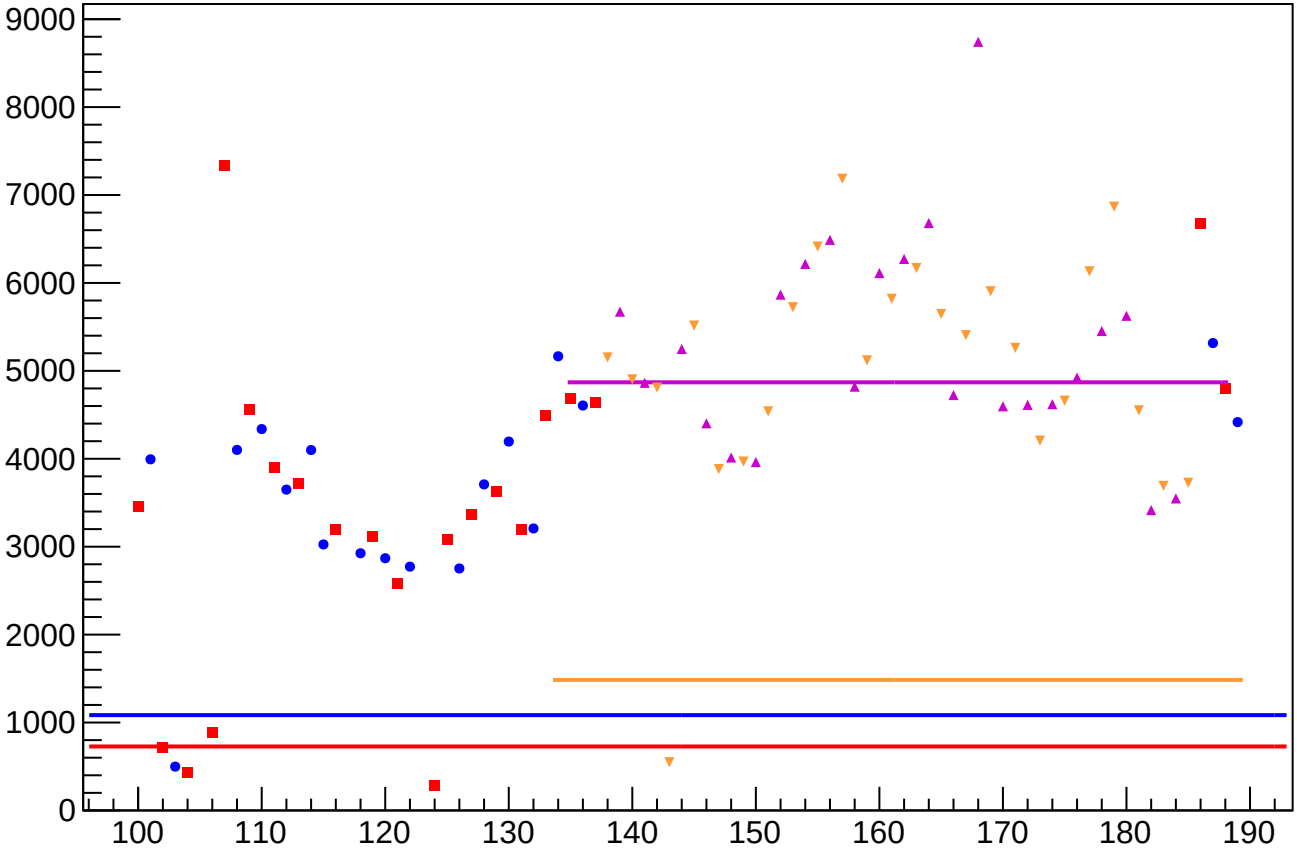
Left In: 239.582+/-1165.046 χ^2/NDF:13.5/22

+ sign -445.353+/-398.278 χ^2/NDF: 49.6/42

All: -389.041+/-281.344 χ^2/NDF: 91.5/86

- sign -332.954+/-397.483 χ^2/NDF: 41.9/43

asym_atl_avg_reg_correction_rms vs Slug



Right In: 1084.245+/-0.416 χ^2/NDF: 8955286.6/17

Left Out: 1484.563+/-0.383 χ^2/NDF:23224946.4/24

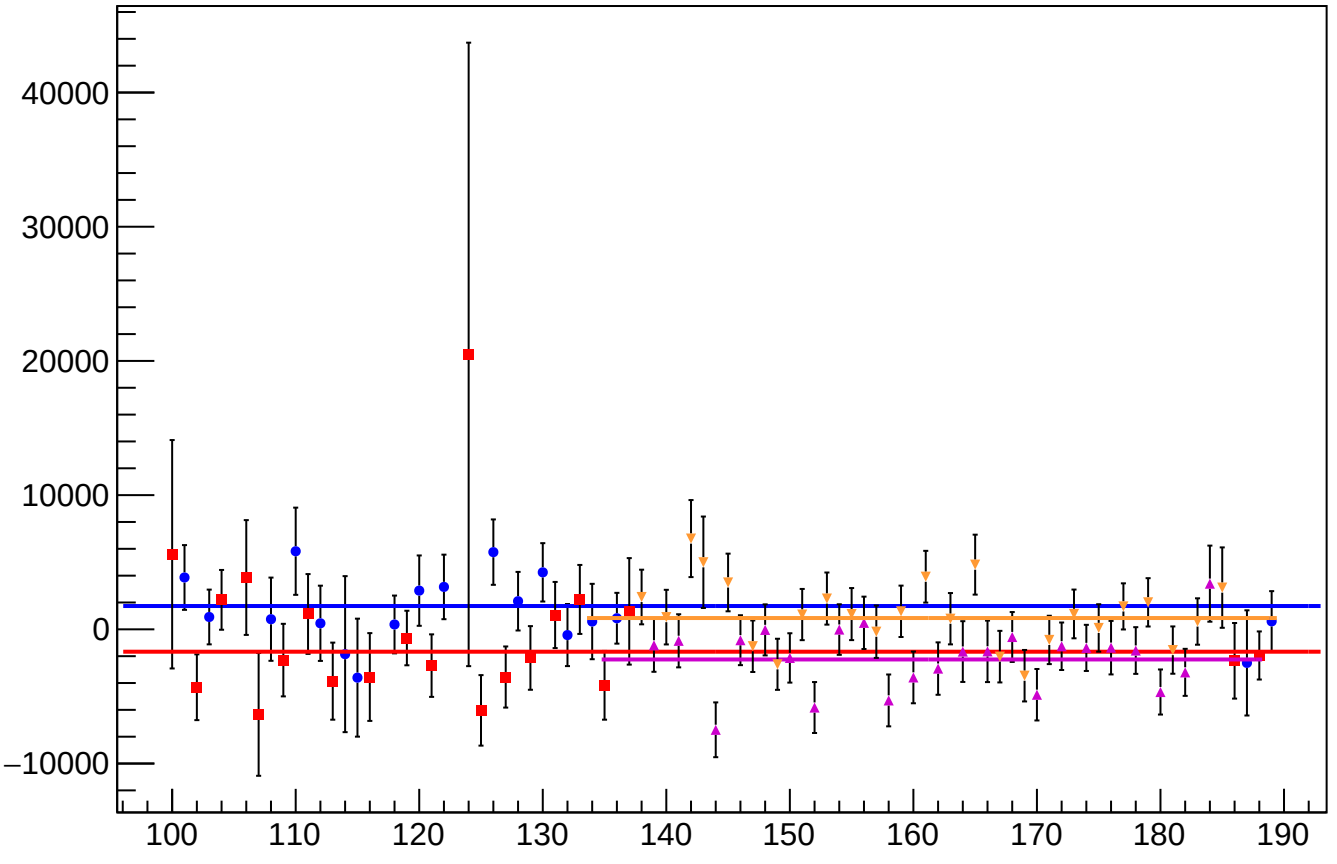
Right Out: 727.712+/-0.299 χ^2/NDF: 10679153.2/20

Left In: 4869.707+/-0.824 χ^2/NDF:1474225.9/22

+ sign 1301.007+/-0.282 χ^2/NDF: 32681891.5/42

All: 1255.331+/-0.199 χ^2/NDF: 67224462.4/8

- sign 1209.837+/-0.281 χ^2/NDF: 34490066.6/43



Right In: 1737.204+/-597.703 χ^2/NDF: 12.4/17

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: -1666.978+/-591.092 χ^2/NDF: 19.5/20

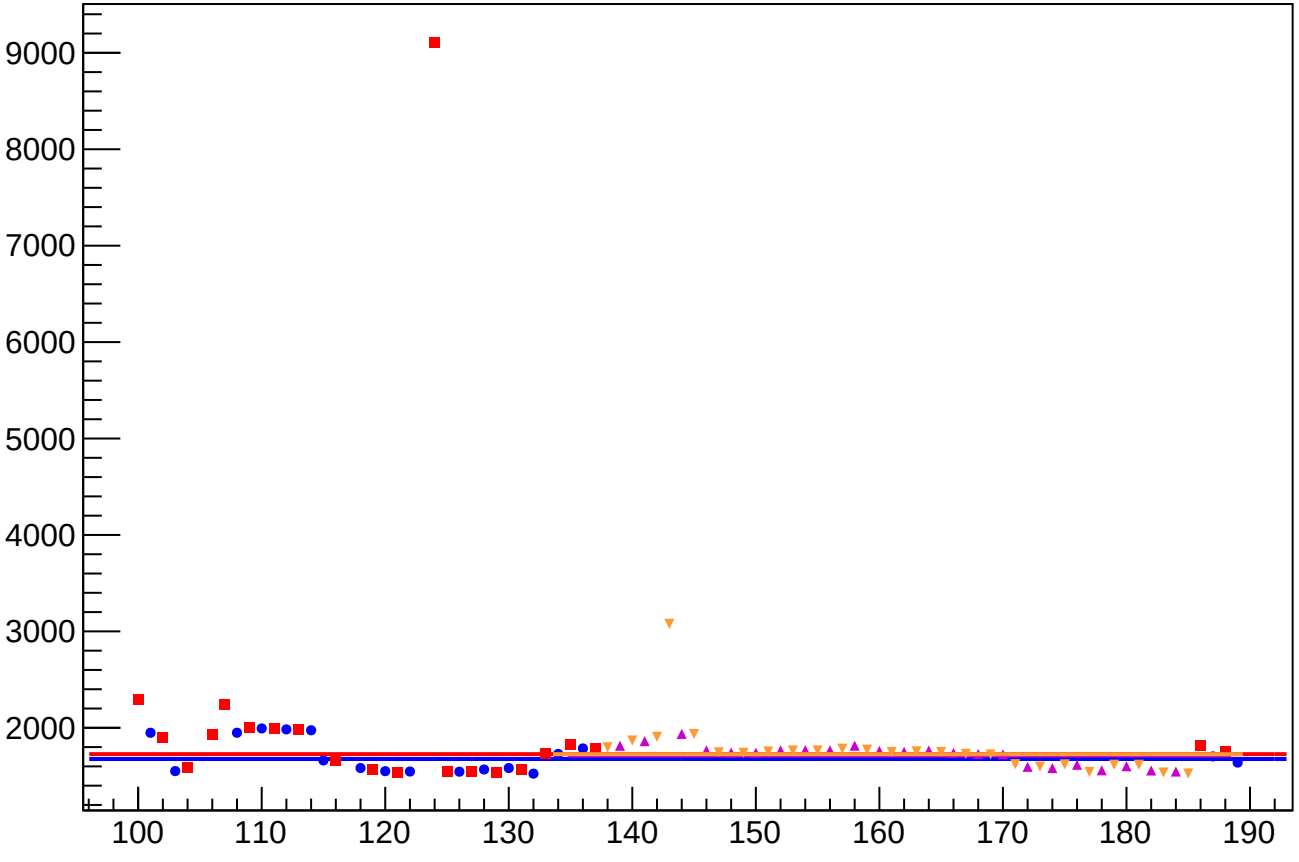
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1113.288+/-329.217 χ^2/NDF: 44.4/42

All: -462.913+/-233.666 χ^2/NDF: 140.1/86

- sign -2063.015+/-331.704 χ^2/NDF: 49.5/43

cor_asym_atl_avg_rms vs Slug



Right In: 1676.359+/-0.423 χ^2/NDF: 142140.9/17

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1726.922+/-0.416 χ^2/NDF: 387479.3/20

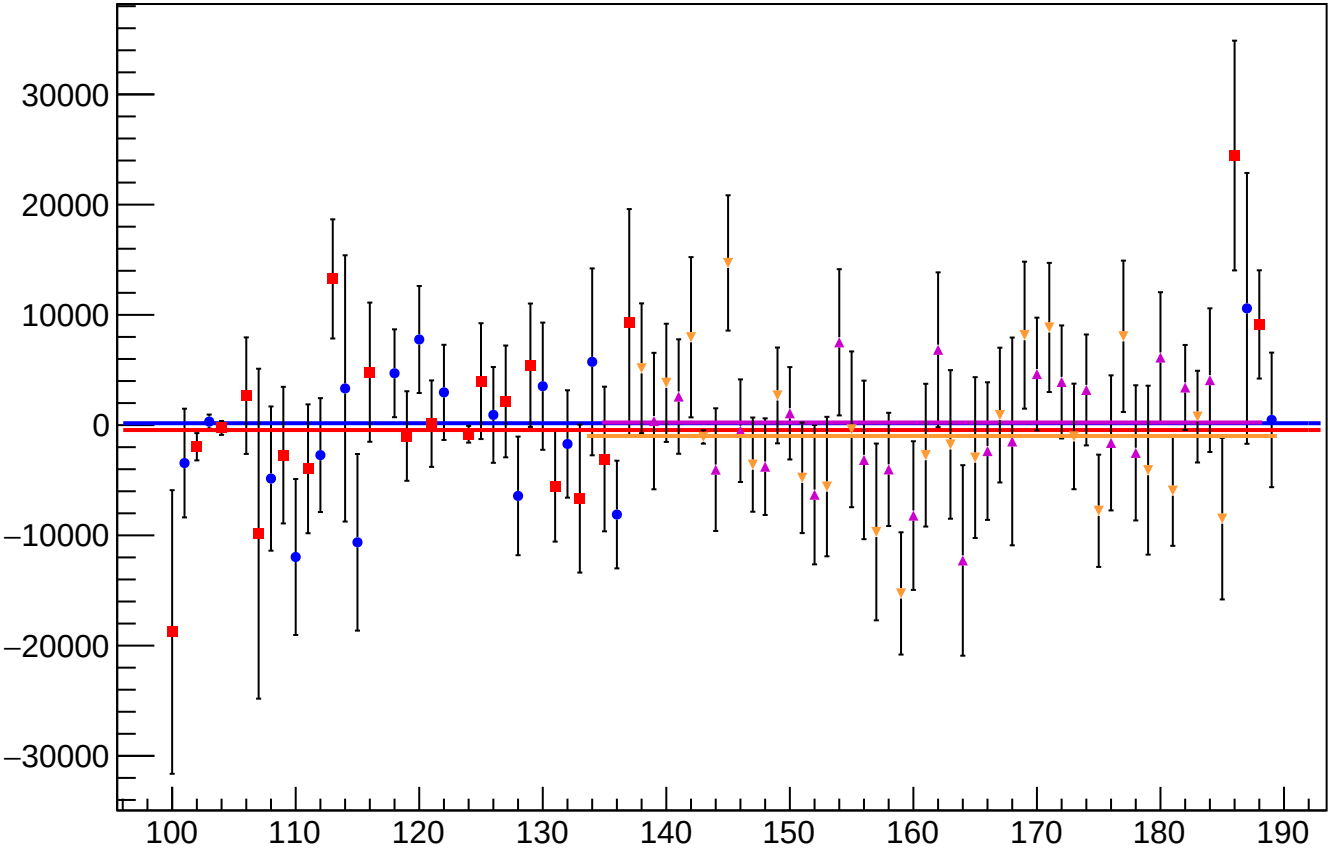
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1710.980+/-0.233 χ^2/NDF: 606704.4/42

All: 1714.225+/-0.165 χ^2/NDF: 1124612.3/86

- sign 1717.512+/-0.234 χ^2/NDF: 517516.8/43

asym_atl_avg_cor_correction_mean vs Slug



Right In: 172.439+/-576.129 χ^2/NDF: 16.5/17

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

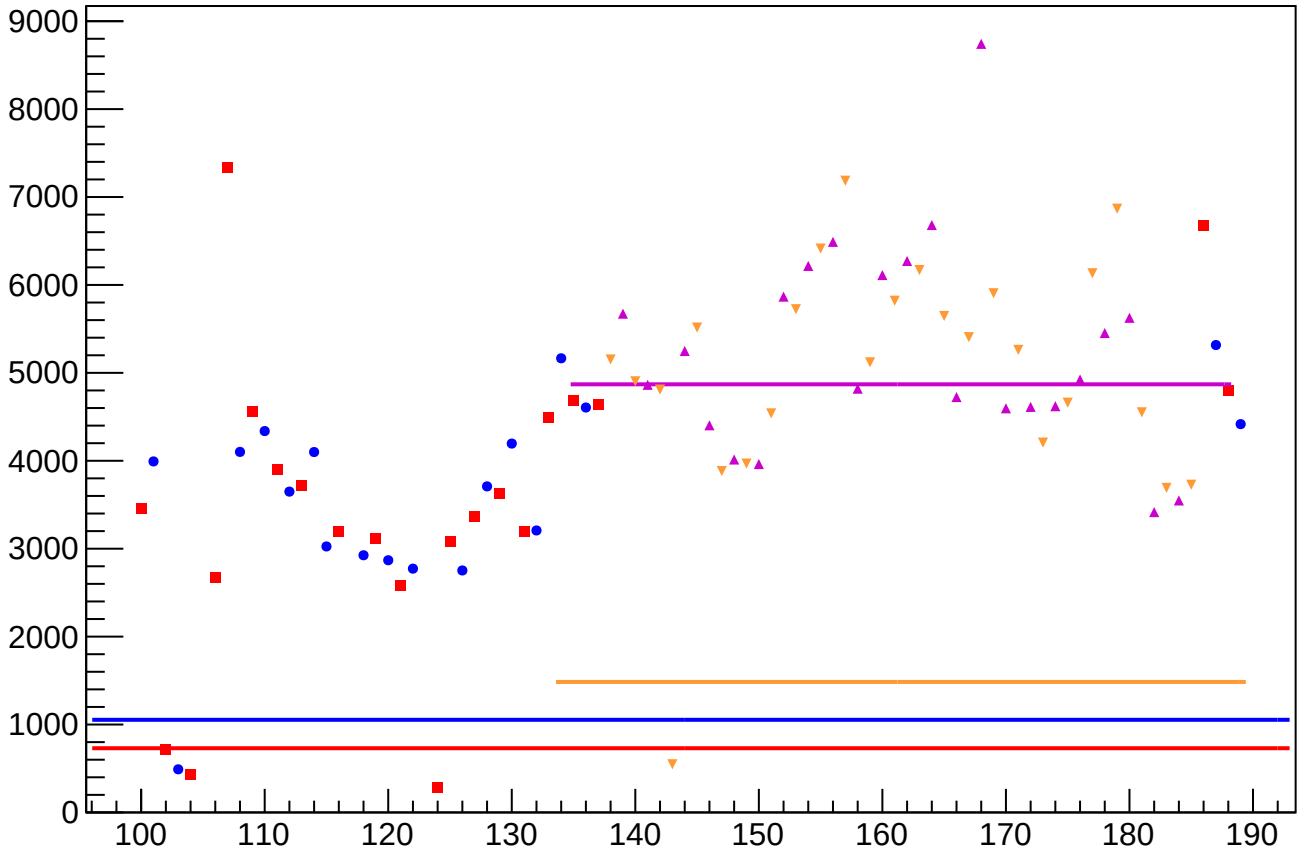
Right Out: -445.283+/-428.612 χ^2/NDF: 26.8/20

Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

+ sign -443.611+/-394.469 χ^2/NDF: 49.5/42

All: -404.413+/-281.644 χ^2/NDF: 90.2/86

- sign -363.652+/-402.254 χ^2/NDF: 40.6/43



Right In: 1053.878+/-0.407 χ^2/NDF: 9080505.0/17

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 730.528+/-0.303 χ^2/NDF: 10955944.6/20

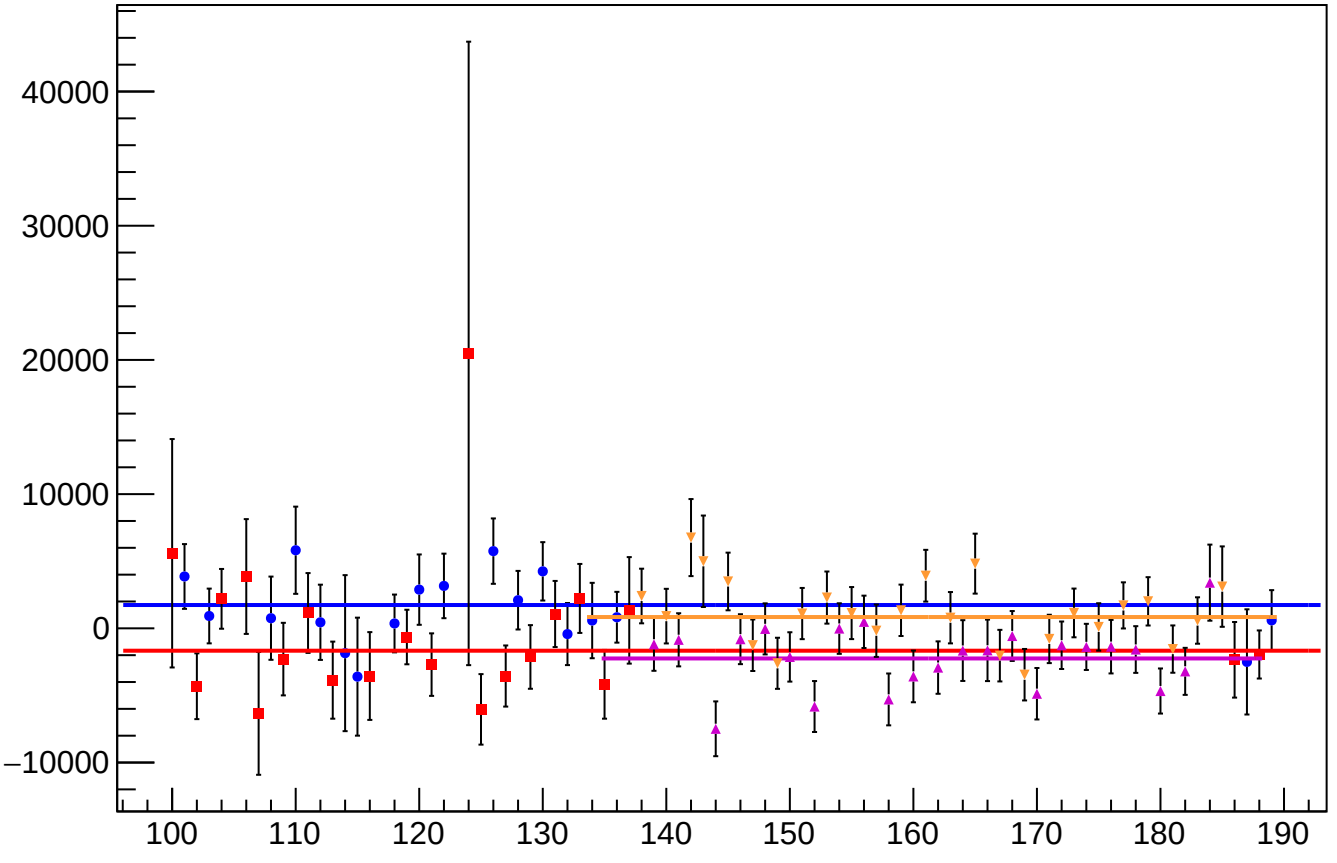
Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1282.617+/-0.279 χ^2/NDF: 32899560.8/42

All: 1253.863+/-0.199 χ^2/NDF: 67586749.8/8

- sign 1223.962+/-0.284 χ^2/NDF: 34665511.6/43

eigen_cor_asym_atl_avg_mean vs Slug



Right In: 1737.204+/-597.703 χ^2/NDF: 12.4/17

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: -1666.978+/-591.092 χ^2/NDF: 19.5/20

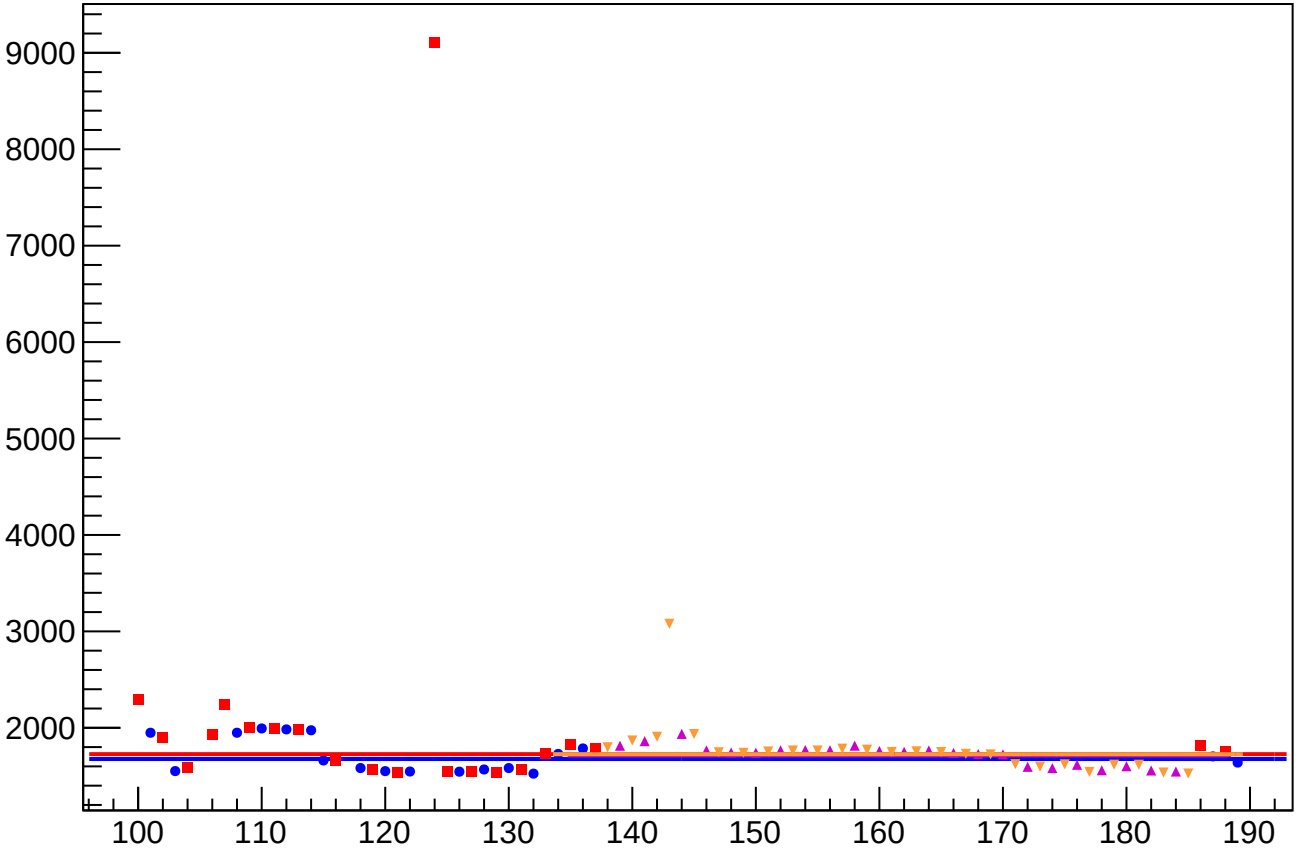
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1113.288+/-329.217 χ^2/NDF: 44.4/42

All: -462.913+/-233.666 χ^2/NDF: 140.1/86

- sign -2063.015+/-331.704 χ^2/NDF: 49.5/43

eigen_cor_asym_atl_avg_rms vs Slug



Right In: 1676.359+/-0.423 χ^2/NDF: 142140.9/17

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

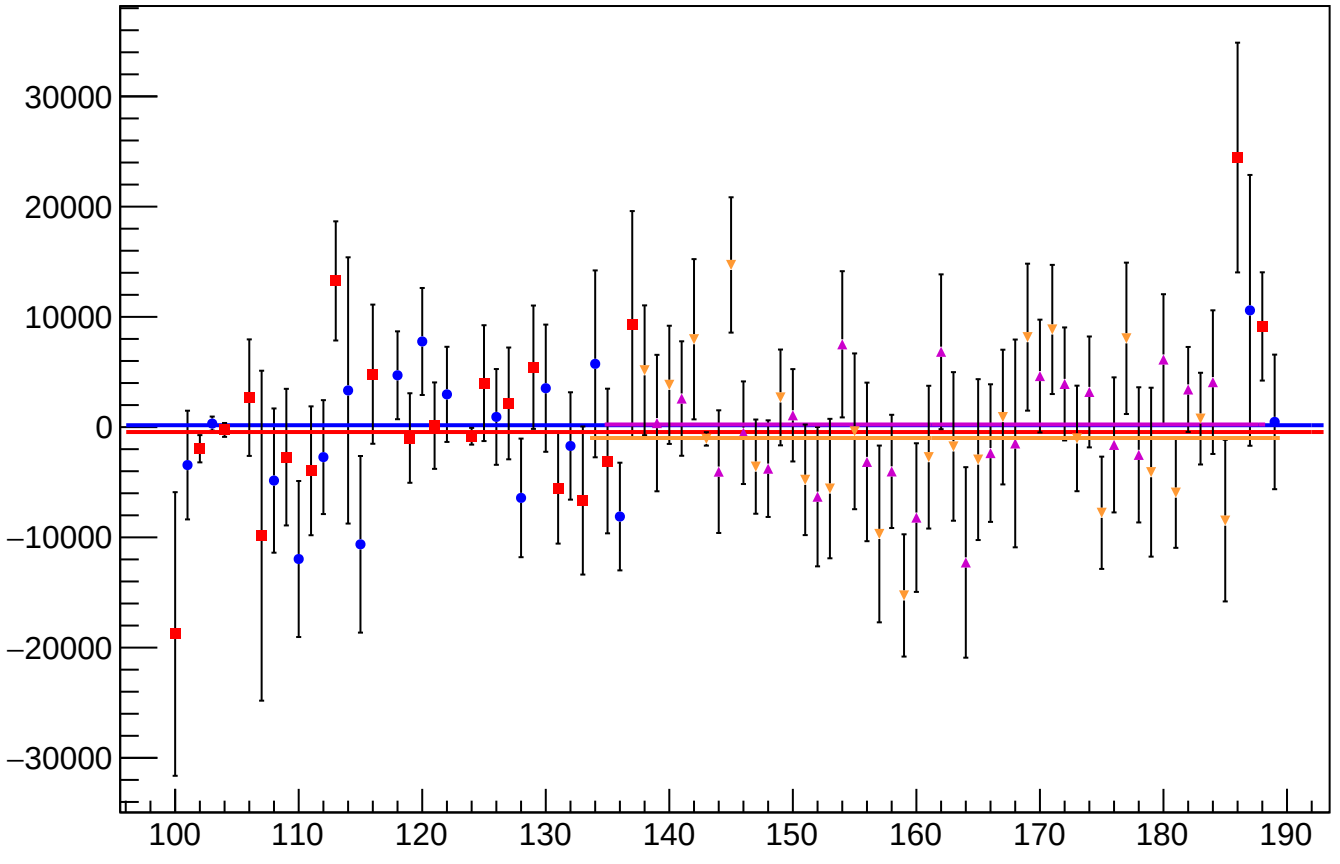
Right Out: 1726.922+/-0.416 χ^2/NDF: 387479.3/20

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1710.980+/-0.233 χ^2/NDF: 606704.4/42

All: 1714.225+/-0.165 χ^2/NDF: 1124612.3/86

- sign 1717.512+/-0.234 χ^2/NDF: 517516.8/43



Right In: 172.439+/-576.129 χ^2/NDF: 16.5/17

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: -445.283+/-428.612 χ^2/NDF: 26.8/20

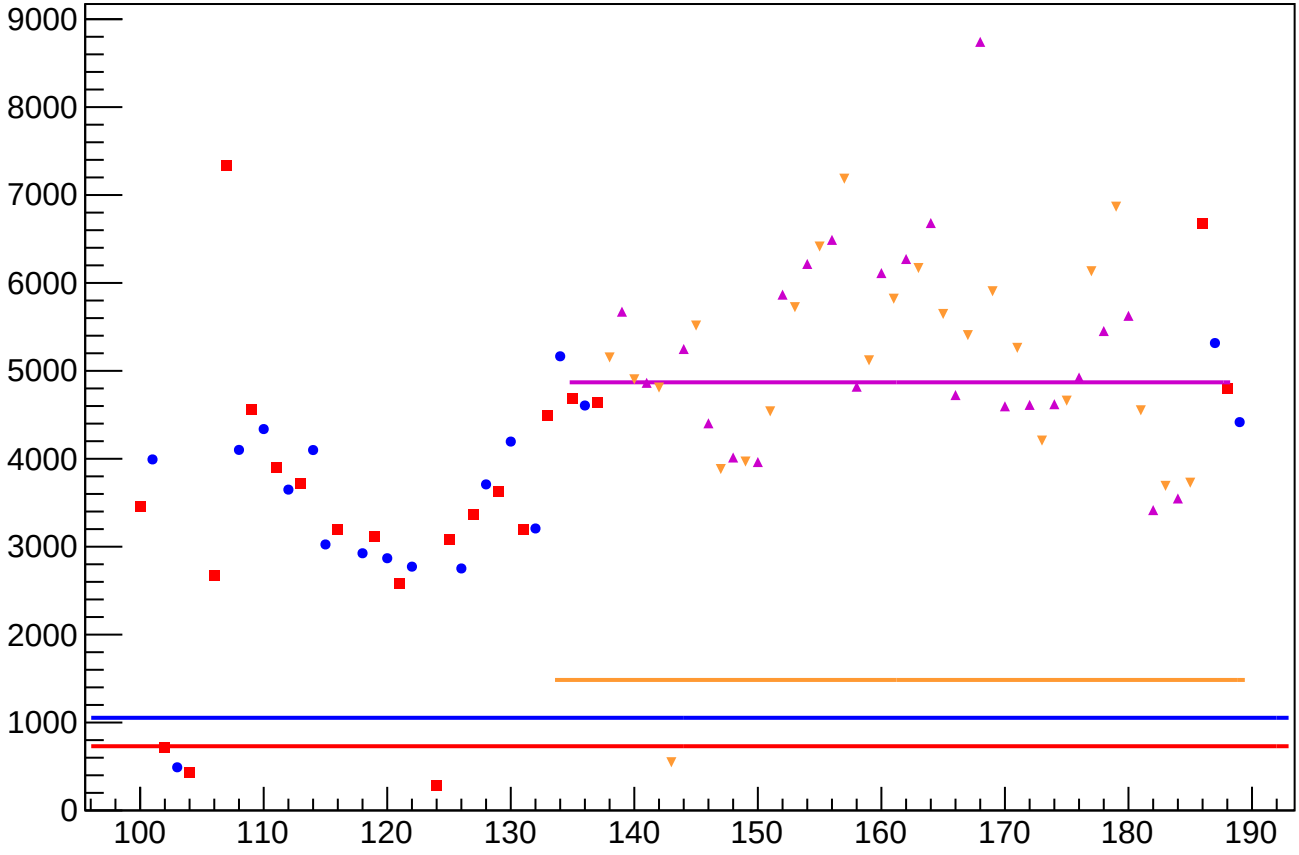
Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

+ sign -443.611+/-394.469 χ^2/NDF: 49.5/42

All: -404.413+/-281.644 χ^2/NDF: 90.2/86

- sign -363.652+/-402.254 χ^2/NDF: 40.6/43

asym_atl_avg_eigen_cor_correction_rms vs Slug



Right In: 1053.878+/-0.407 χ^2/NDF: 9080505.0/17

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 730.528+/-0.303 χ^2/NDF: 10955944.6/20

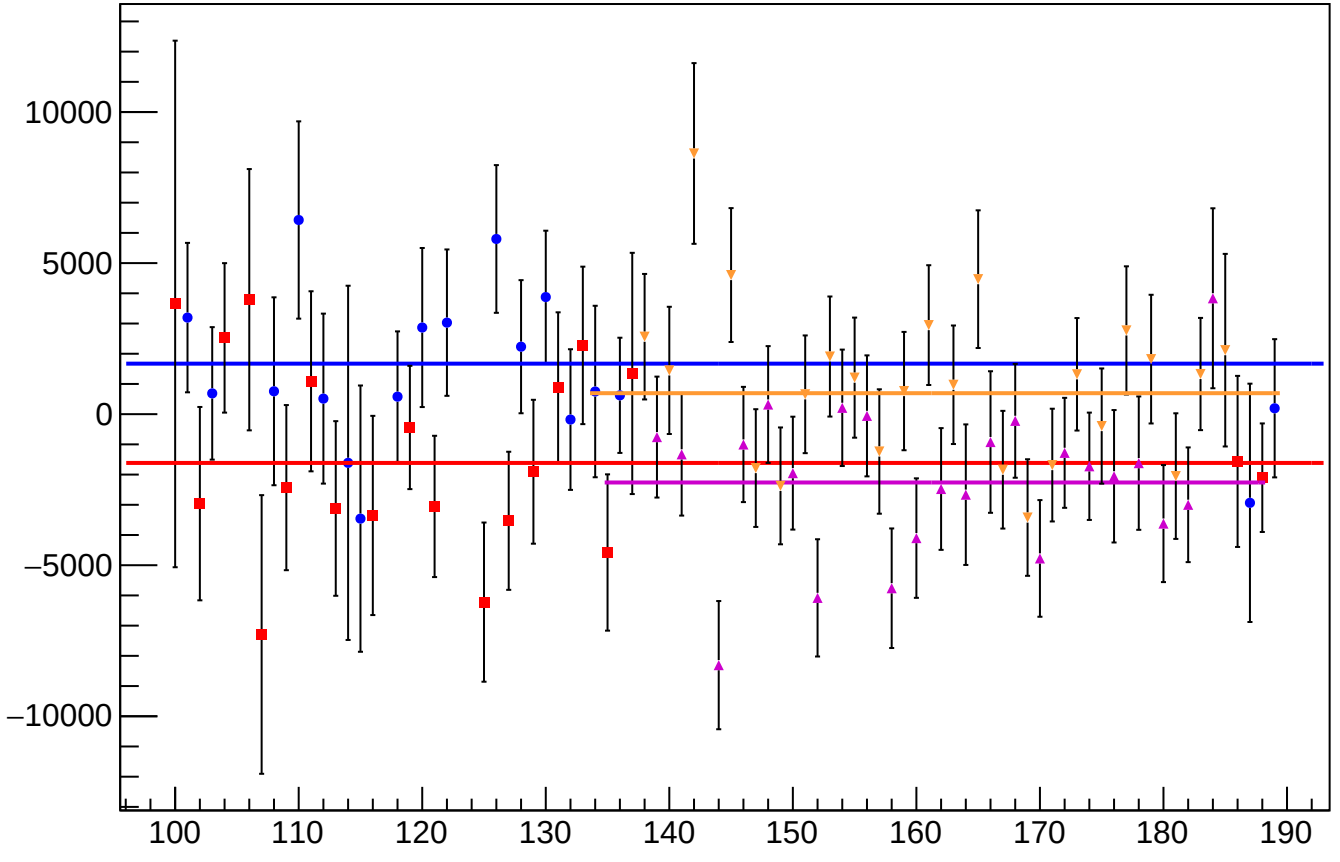
Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1282.617+/-0.279 χ^2/NDF: 32899560.8/42

All: 1253.863+/-0.199 χ^2/NDF: 67586749.8/8

- sign 1223.962+/-0.284 χ^2/NDF: 34665511.6/43

dit_asym_atl_avg_mean vs Slug



Right In: 1671.935+/-605.870 χ^2/NDF: 12.1/17

Left Out: 694.317+/-418.051 χ^2/NDF:32.2/23

Right Out: -1614.439+/-606.016 χ^2/NDF: 17.5/19

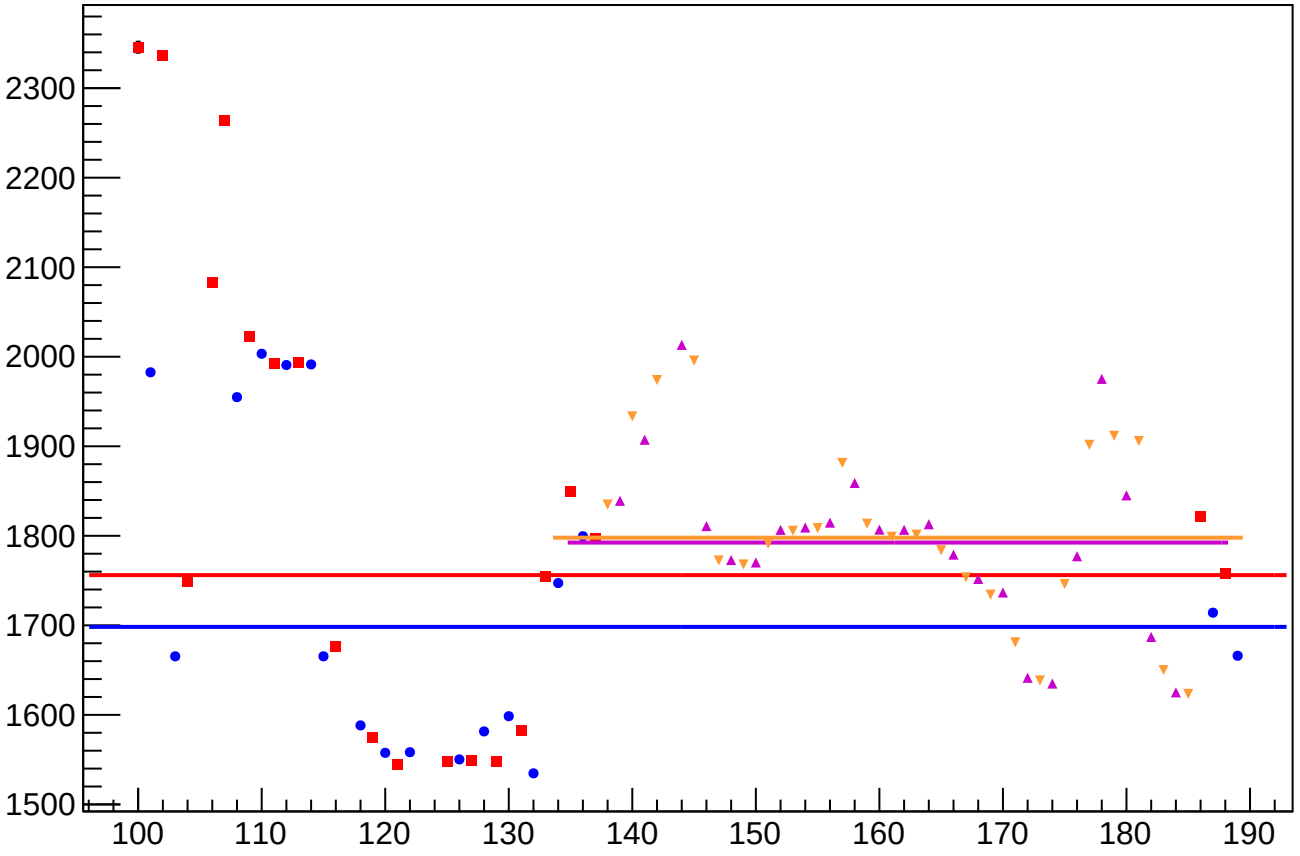
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1009.637+/-344.089 χ^2/NDF: 46.1/41

All: -518.417+/-243.539 χ^2/NDF: 134.4/84

- sign -2052.285+/-344.743 χ^2/NDF: 48.7/42

dit_asym_atl_avg_rms vs Slug



Right In: 1698.272+/-0.428 χ^2/NDF: 135870.9/17

Left Out: 1797.909+/-0.296 χ^2/NDF:98002.1/23

Right Out: 1756.098+/-0.428 χ^2/NDF: 249093.1/19

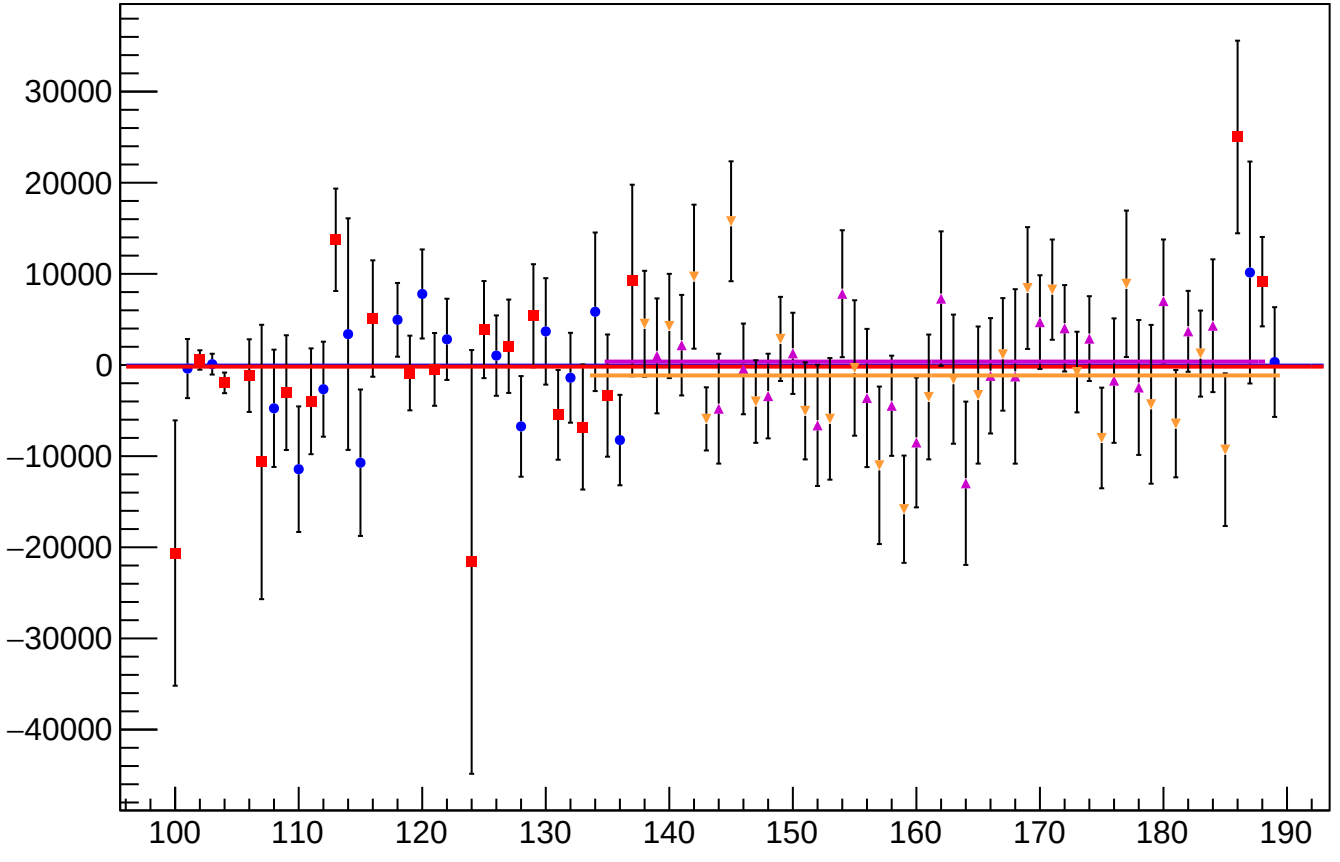
Left In: 1792.450+/-0.296 χ^2/NDF:92875.2/22

+ sign 1765.773+/-0.243 χ^2/NDF: 270516.4/41

All: 1773.205+/-0.172 χ^2/NDF: 619233.6/84

- sign 1780.656+/-0.244 χ^2/NDF: 346848.7/42

asym_atl_avg_dit_correction_mean vs Slug



Right In: -65.476+/-856.641 χ^2/NDF: 15.8/17

Left Out: -1144.405+/-1164.458 χ^2/NDF:32.6/24

Right Out: -176.677+/-671.380 χ^2/NDF: 28.0/20

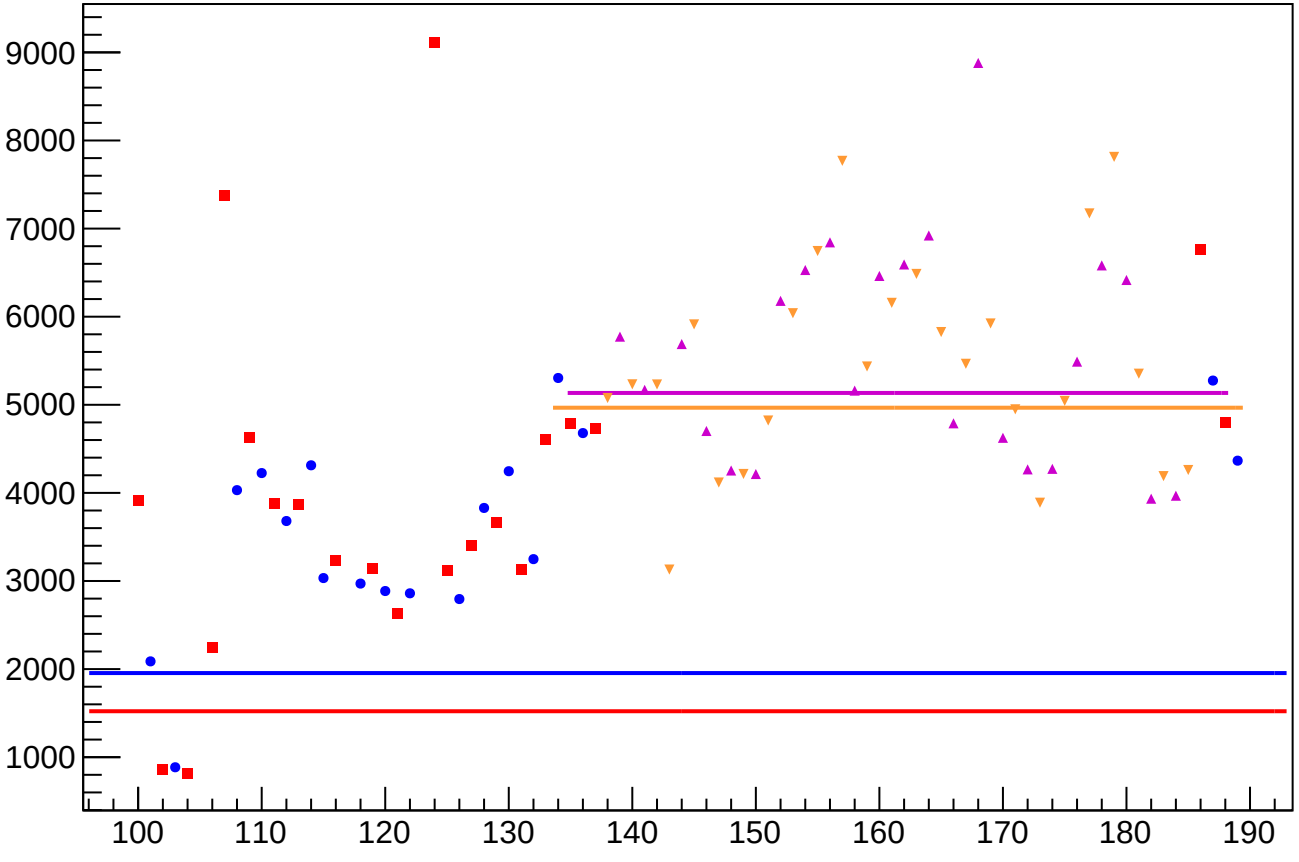
Left In: 374.927+/-1228.699 χ^2/NDF:13.3/22

+ sign -444.343+/-690.035 χ^2/NDF: 48.9/42

All: -216.182+/-448.062 χ^2/NDF: 90.5/86

- sign -49.851+/-589.163 χ^2/NDF: 41.4/43

asym_atl_avg_dit_correction_rms vs Slug



Right In: 1954.949+/-0.606 χ^2/NDF: 4907147.1/17

Left Out: 4966.879+/-0.823 χ^2/NDF:1917937.7/24

Right Out: 1521.638+/-0.475 χ^2/NDF: 7381844.3/20

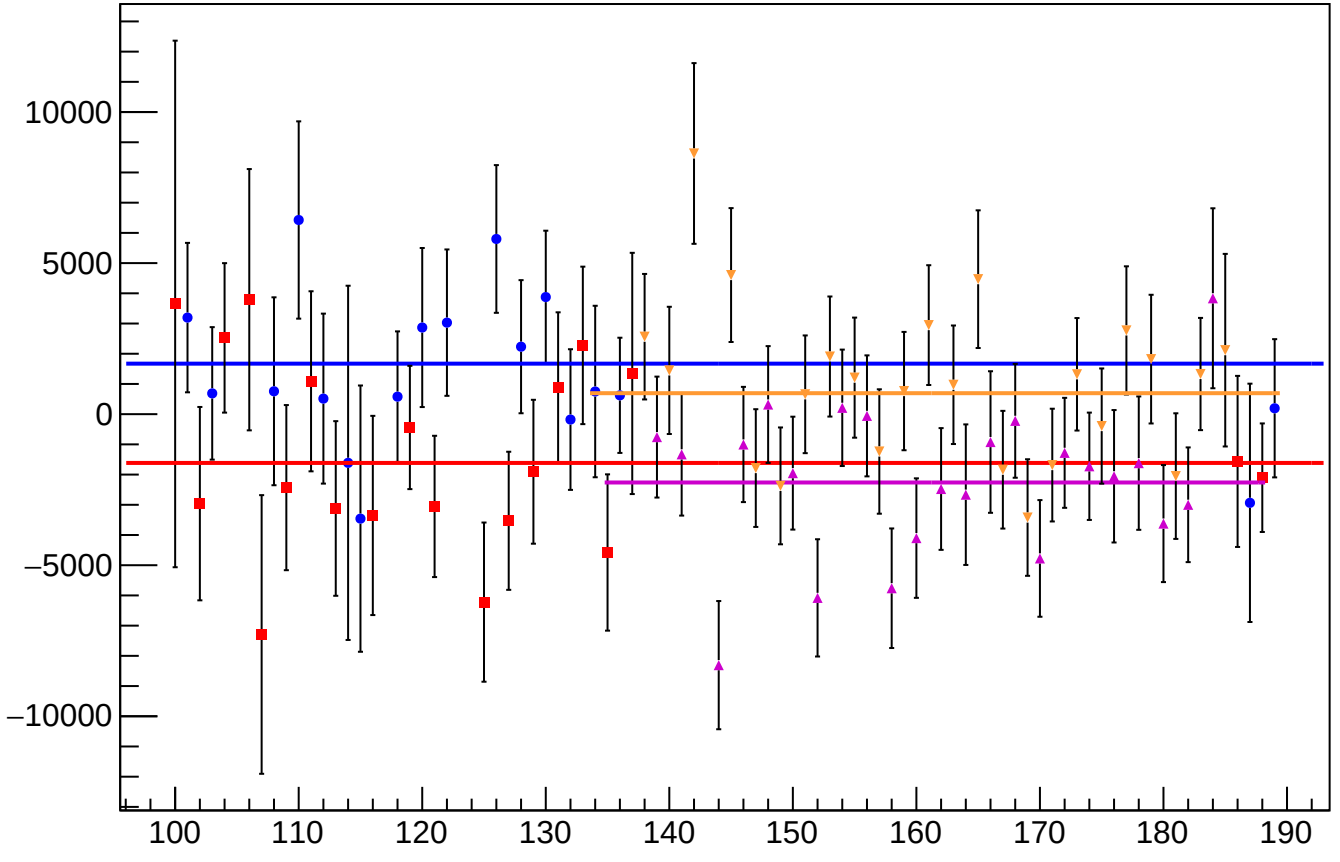
Left In: 5134.445+/-0.869 χ^2/NDF:1487075.9/22

+ sign 3012.592+/-0.488 χ^2/NDF: 15506997.1/42

All: 2630.701+/-0.317 χ^2/NDF: 38750751.8/8

- sign 2352.301+/-0.417 χ^2/NDF: 22184591.8/43

eigen_dit_asym_atl_avg_mean vs Slug



Right In: 1671.934+/-605.870 χ^2/NDF: 12.1/17

Left Out: 694.313+/-418.051 χ^2/NDF:32.2/23

Right Out: -1614.439+/-606.016 χ^2/NDF: 17.5/19

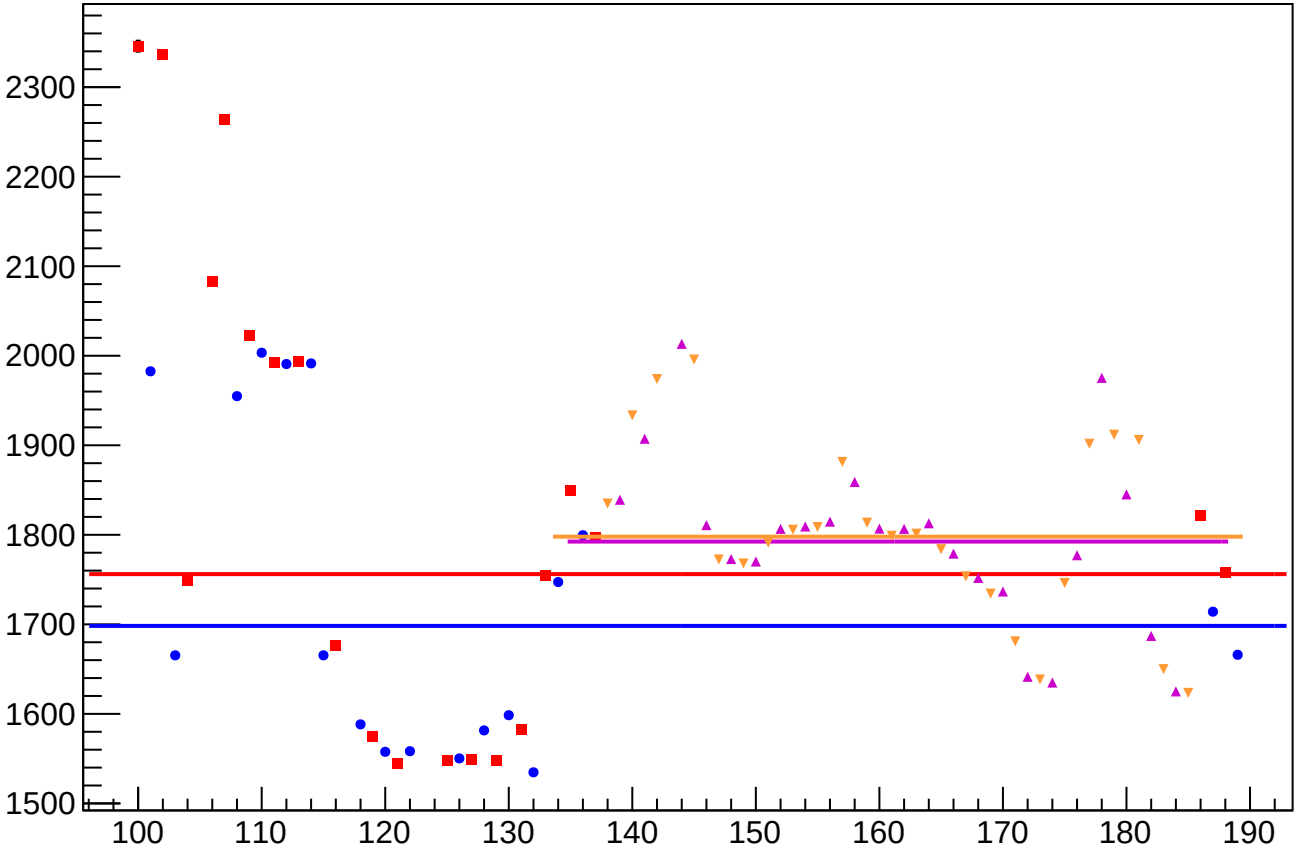
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1009.635+/-344.089 χ^2/NDF: 46.1/41

All: -518.418+/-243.539 χ^2/NDF: 134.4/84

- sign -2052.284+/-344.743 χ^2/NDF: 48.7/42

eigen_dit_asym_atl_avg_rms vs Slug



Right In: 1698.272+/-0.428 χ^2/NDF: 135871.2/17

Left Out: 1797.911+/-0.296 χ^2/NDF:98005.5/23

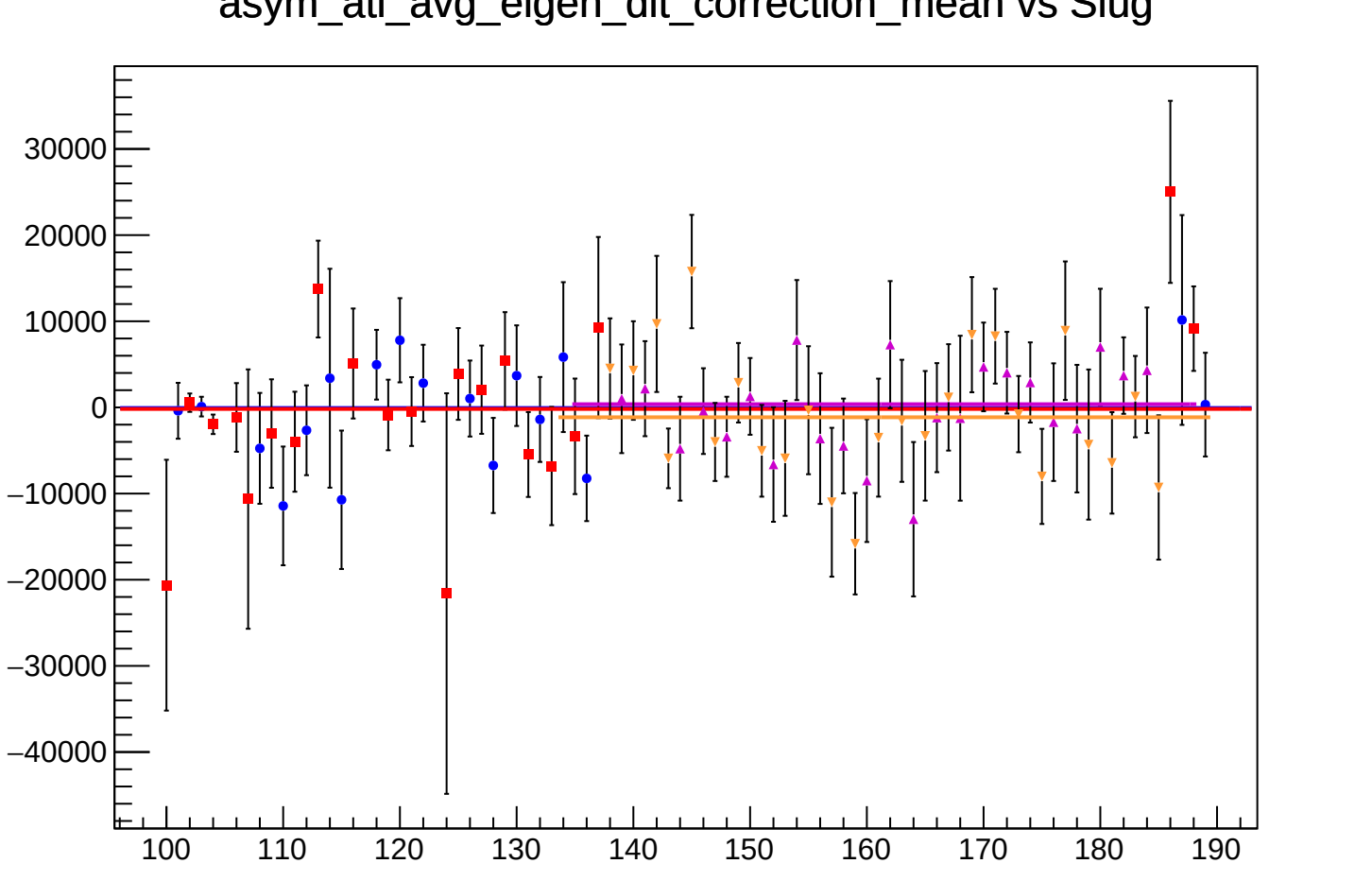
Right Out: 1756.097+/-0.428 χ^2/NDF: 249092.6/19

Left In: 1792.451+/-0.296 χ^2/NDF:92878.6/22

+ sign 1765.773+/-0.243 χ^2/NDF: 270521.2/41

All: 1773.205+/-0.172 χ^2/NDF: 619241.6/84

- sign 1780.656+/-0.244 χ^2/NDF: 346852.0/42



Right In: -65.473+/-856.636 χ^2/NDF: 15.8/17

Left Out: -1144.411+/-1164.460 χ^2/NDF:32.6/24

Right Out: -176.680+/-671.375 χ^2/NDF: 28.0/20

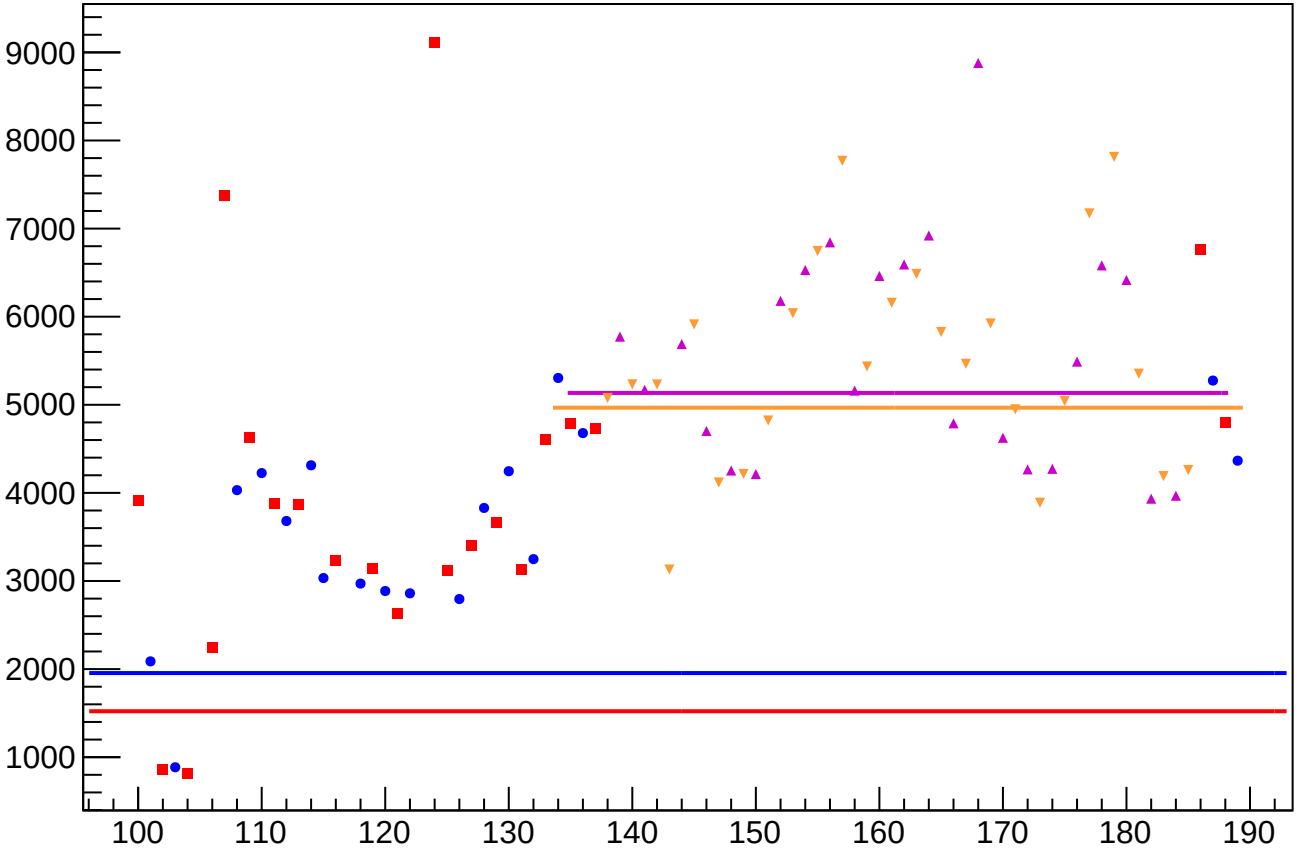
Left In: 374.928+/-1228.701 χ^2/NDF:13.3/22

+ sign -444.340+/-690.032 χ^2/NDF: 48.9/42

All: -216.182+/-448.060 χ^2/NDF: 90.5/86

- sign -49.855+/-589.160 χ^2/NDF: 41.4/43

asym_atl_avg_eigen_dit_correction_rms vs Slug



Right In: 1954.933+/-0.606 χ^2/NDF: 4907190.1/17

Left Out: 4966.886+/-0.823 χ^2/NDF:1917943.9/24

Right Out: 1521.624+/-0.475 χ^2/NDF: 7381890.1/20

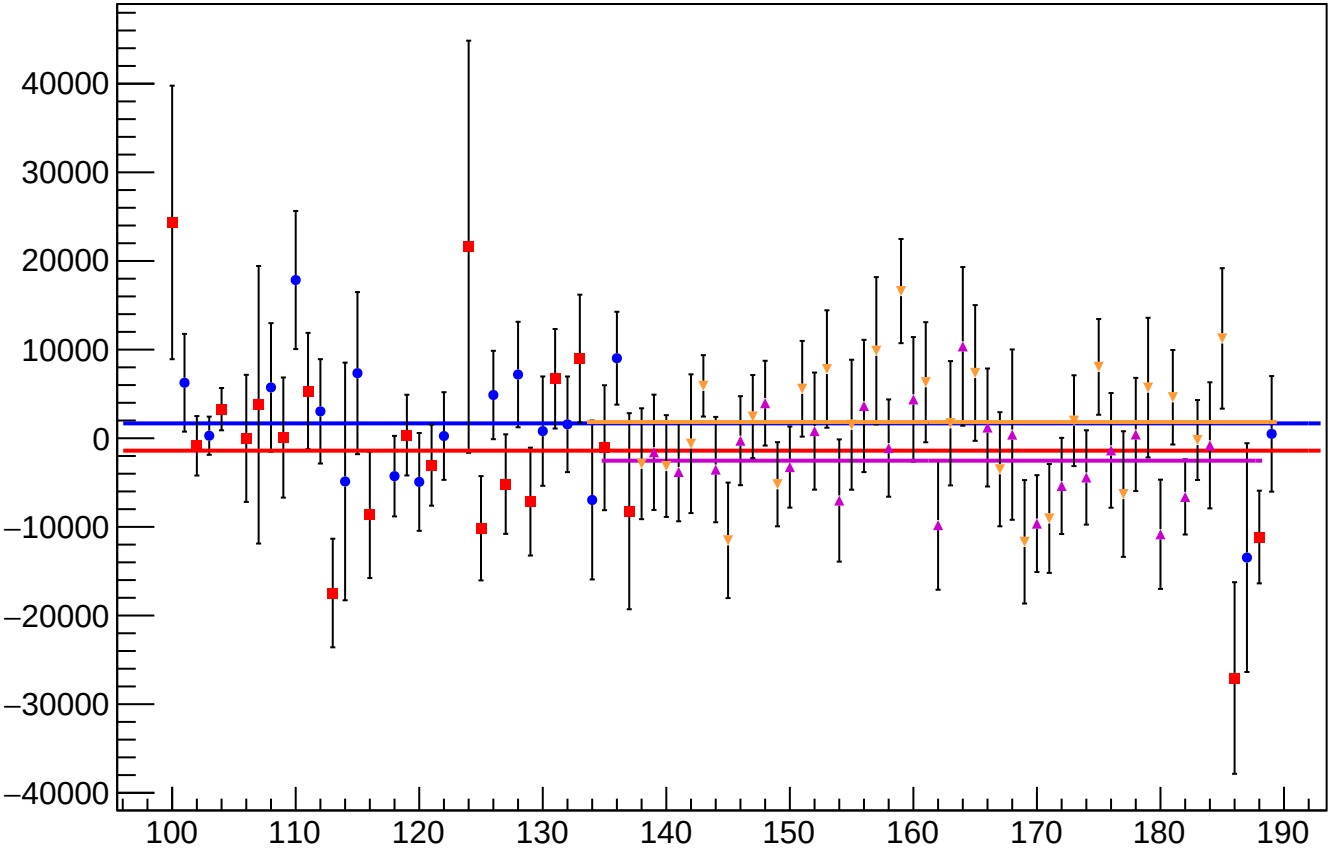
Left In: 5134.453+/-0.869 χ^2/NDF:1487077.8/22

+ sign 3012.572+/-0.488 χ^2/NDF: 15507207.1/42

All: 2630.680+/-0.317 χ^2/NDF: 38751202.3/8

- sign 2352.280+/-0.417 χ^2/NDF: 22184818.7/43

asym_atl_avg_mean vs Slug



Right In: 1678.338+/-1230.718 χ^2/NDF: 15.2/17

Left Out: 1826.201+/-1172.478 χ^2/NDF:31.1/24

Right Out: -1400.391+/-1200.454 χ^2/NDF: 34.3/20

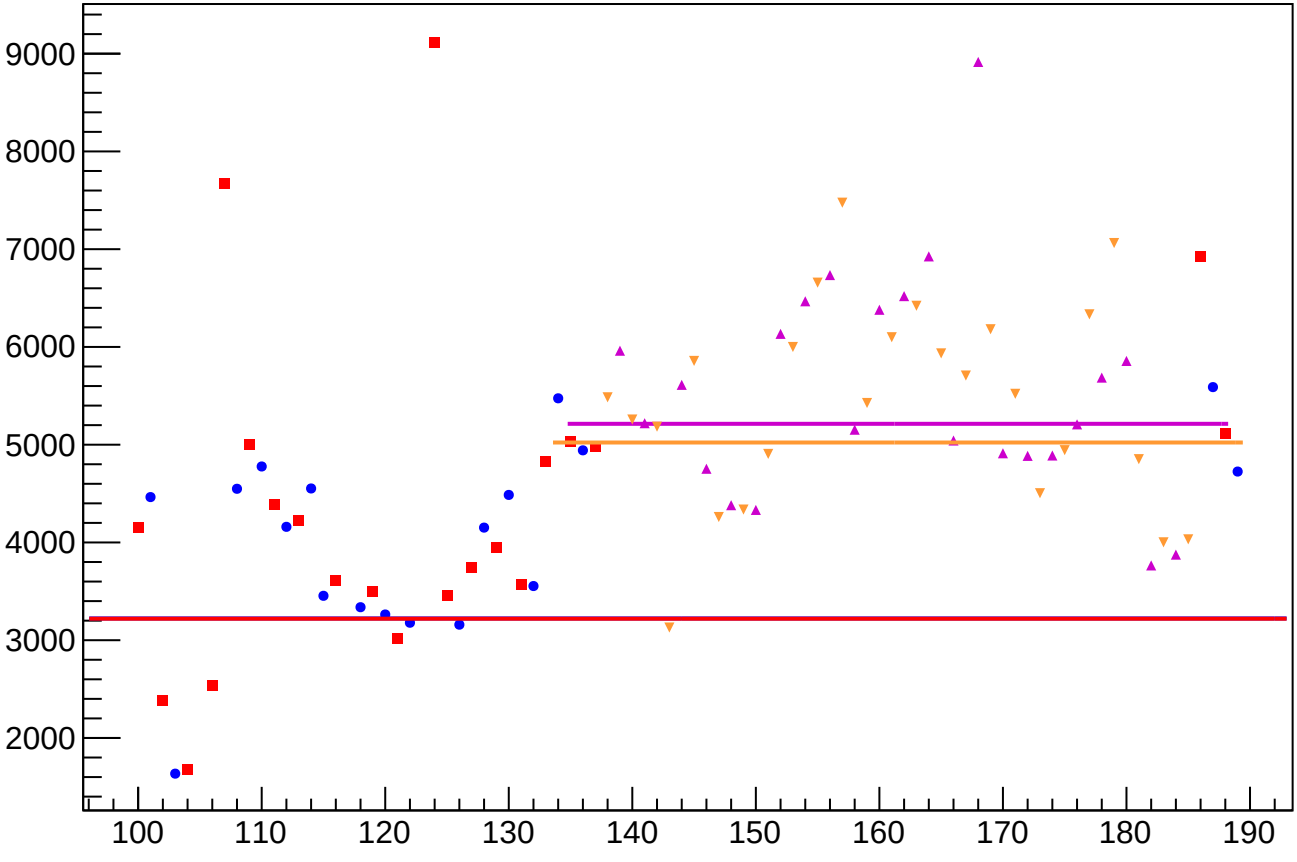
Left In: -2529.501+/-1242.040 χ^2/NDF:13.2/22

+ sign 1755.851+/-848.910 χ^2/NDF: 46.3/42

All: -64.095+/-605.251 χ^2/NDF: 103.6/86

- sign -1945.727+/-863.177 χ^2/NDF: 47.9/43

asym_atl_avg_rms vs Slug



Right In: 3222.681+/-0.870 χ^2/NDF: 2064338.5/17

Left Out: 5022.407+/-0.829 χ^2/NDF:1676611.8/24

Right Out: 3220.068+/-0.836 χ^2/NDF: 2410293.3/20

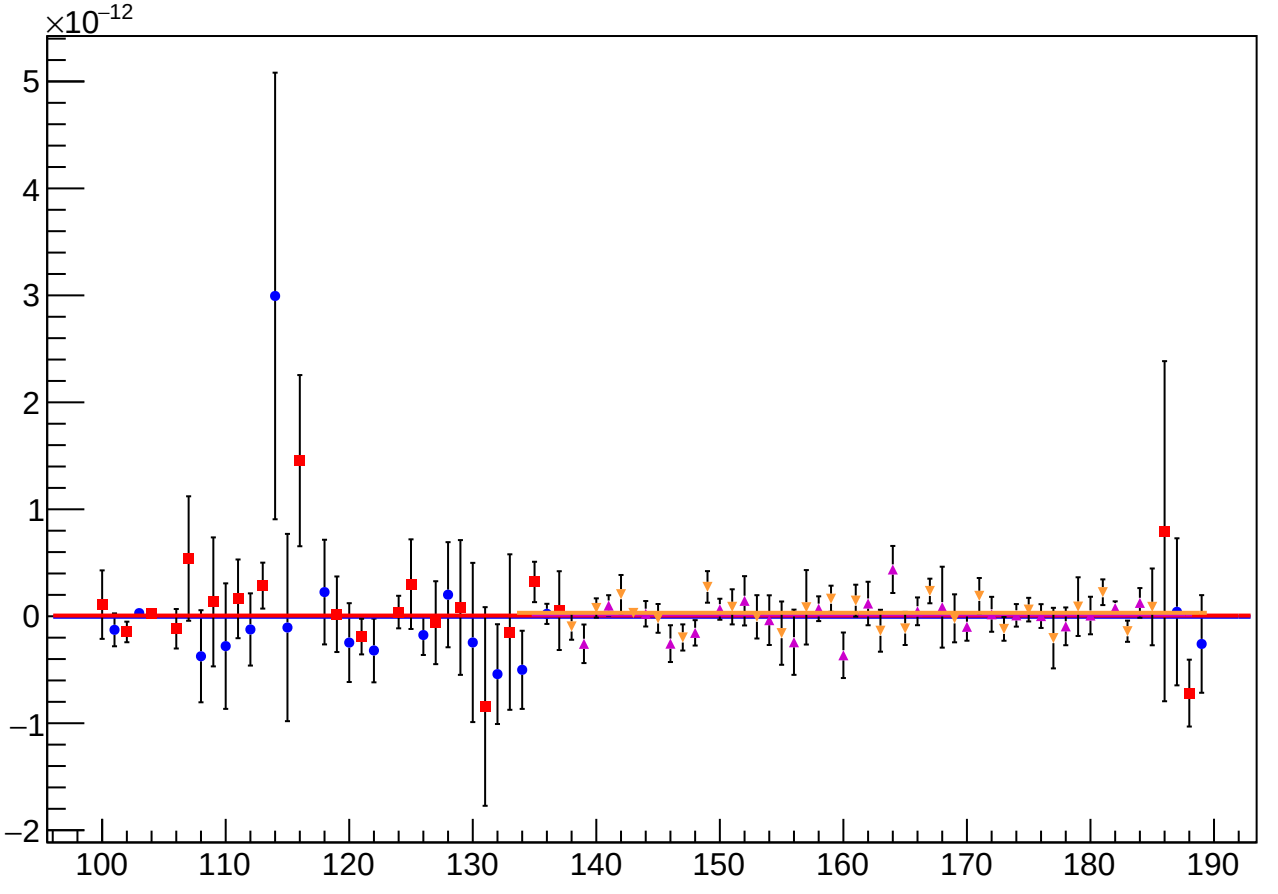
Left In: 5213.625+/-0.878 χ^2/NDF:1223192.9/22

+ sign 4166.132+/-0.600 χ^2/NDF: 5982974.7/42

All: 4167.201+/-0.426 χ^2/NDF: 12318206.5/8

- sign 4168.289+/-0.606 χ^2/NDF: 6335225.4/43

asym_atl_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 11.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:25.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.6/20

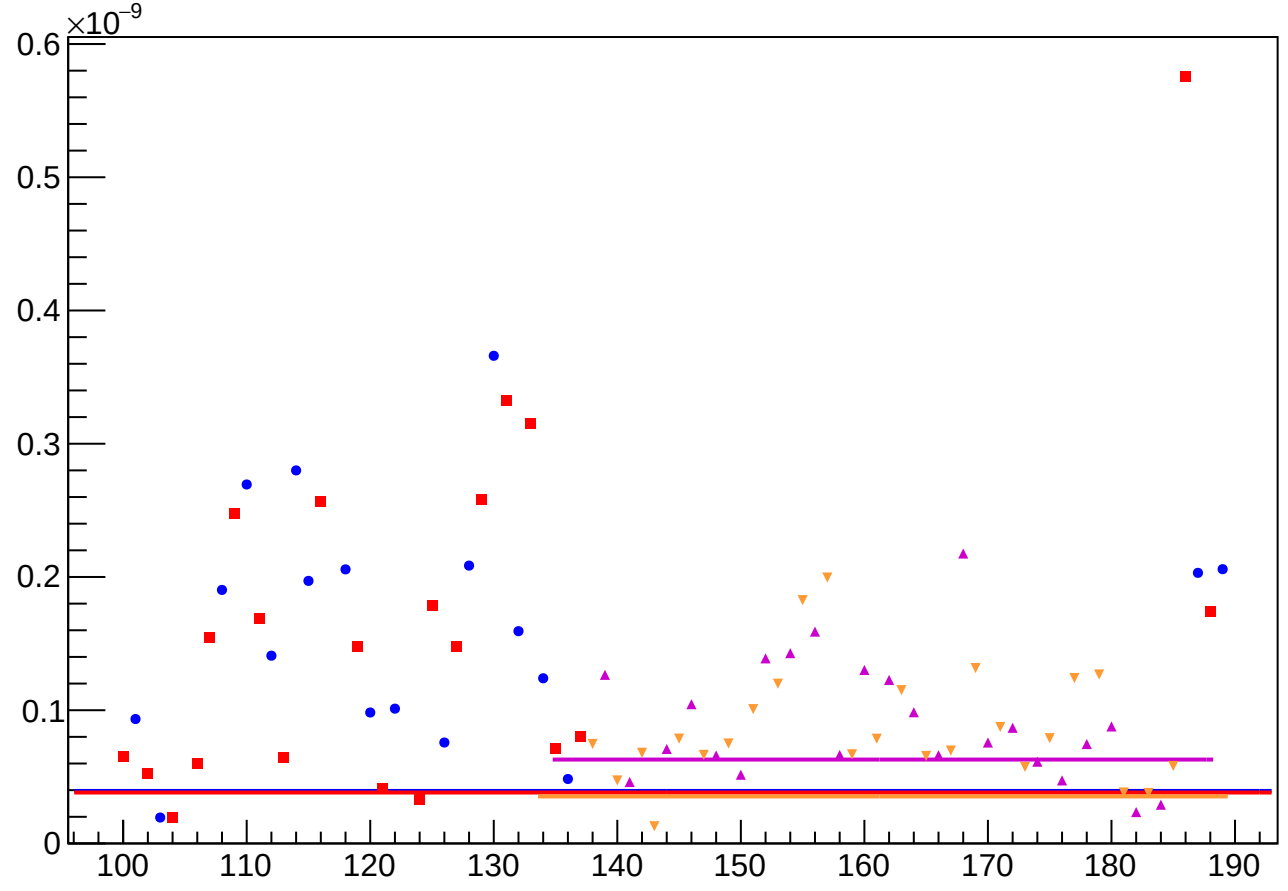
Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 36.9/42

All: 0.000+/-0.000 χ^2/NDF: 76.8/86

- sign 0.000+/-0.000 χ^2/NDF: 39.8/43

asym_atl_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3270945.5/17

Left Out: 0.000+/-0.000 χ^2/NDF:6511119.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3294520.9/20

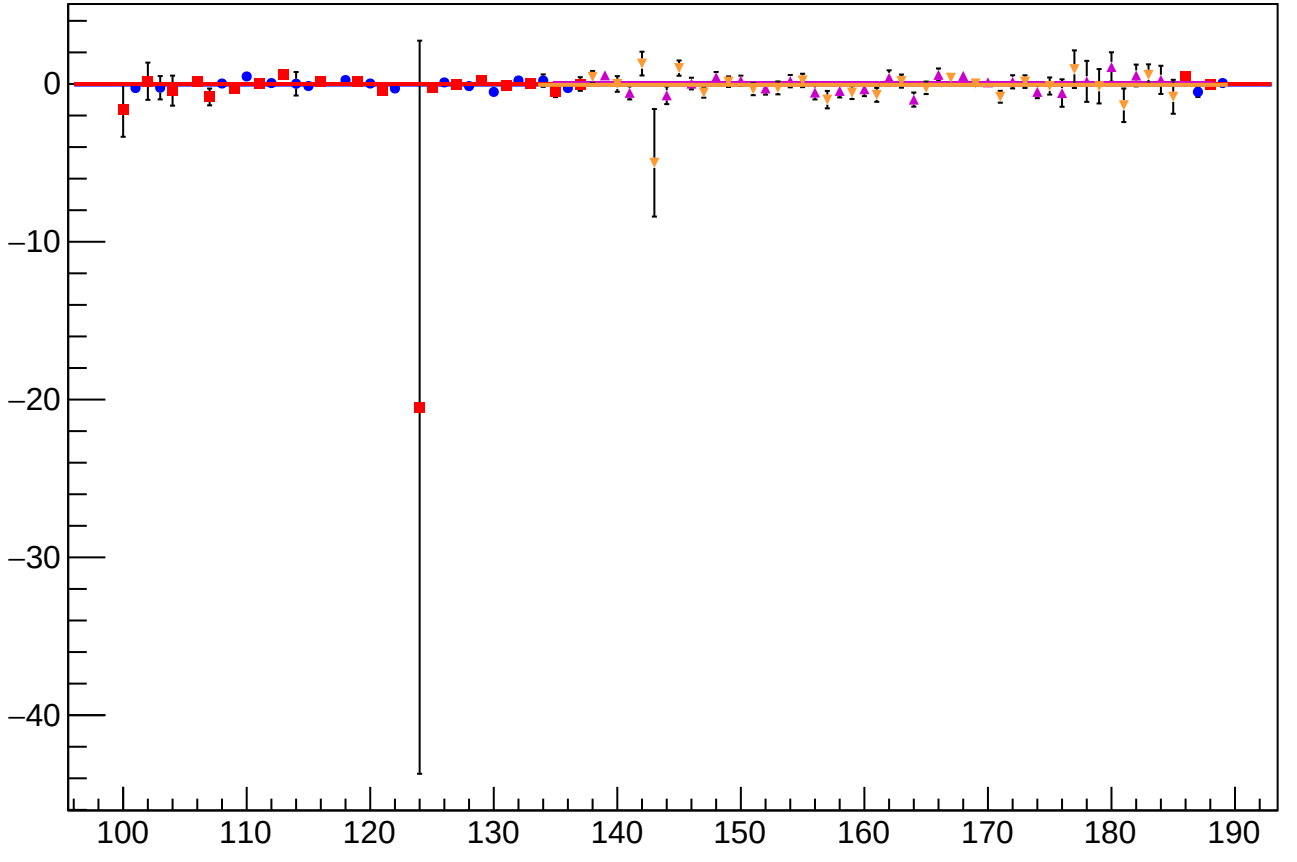
Left In: 0.000+/-0.000 χ^2/NDF:2934305.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 9805068.0/42

All: 0.000+/-0.000 χ^2/NDF: 17468638.5/86

- sign 0.000+/-0.000 χ^2/NDF: 6904212.6/43

asym_atl_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.039+/-0.056 χ^2/NDF: 19.5/17

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.001+/-0.048 χ^2/NDF: 26.1/20

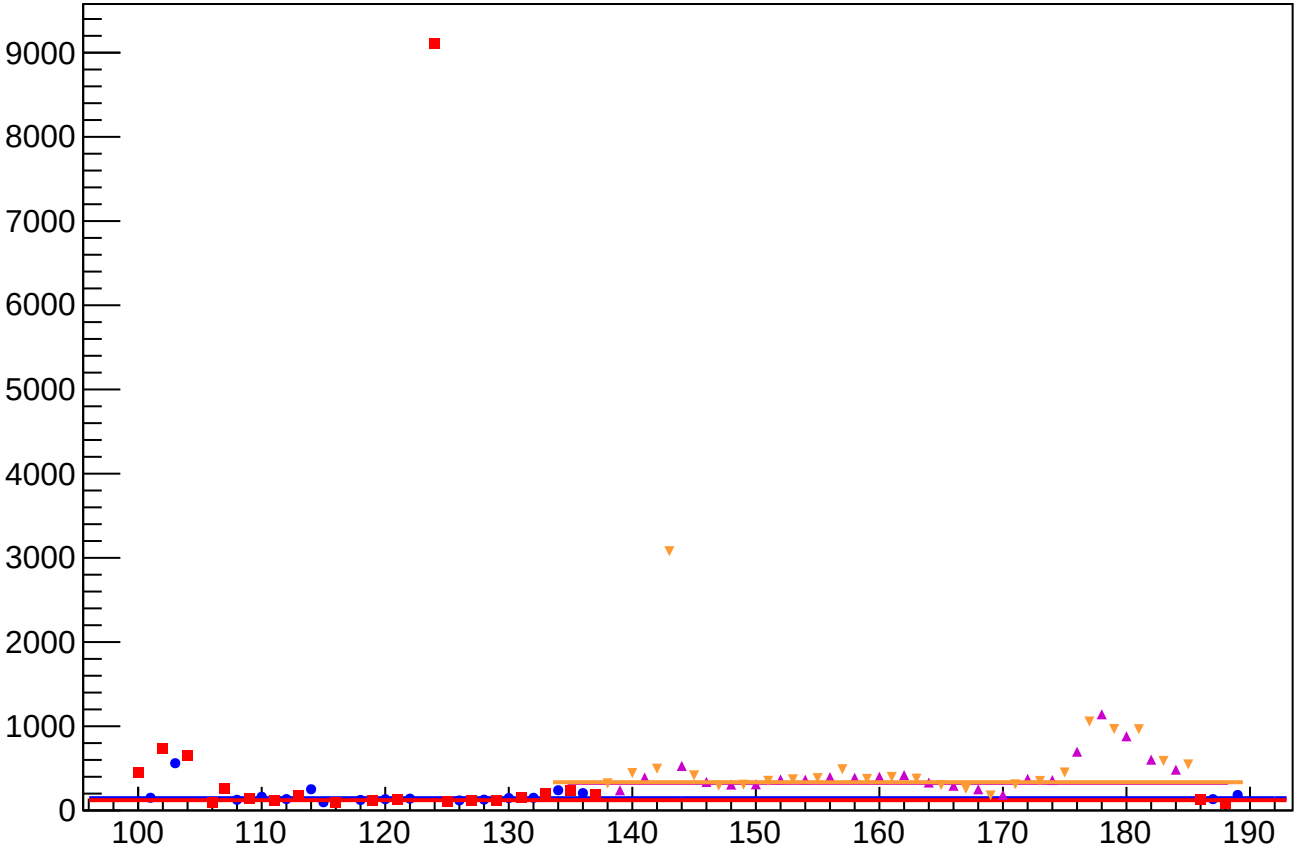
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.044+/-0.047 χ^2/NDF: 52.6/42

All: -0.011+/-0.031 χ^2/NDF: 108.1/86

- sign 0.015+/-0.041 χ^2/NDF: 54.6/43

asym_atl_avg_dit_vs_cor_diff_rms vs Slug



Right In: 145.601+/-0.039 χ^2/NDF: 1170029.5/17

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

Right Out: 122.103+/-0.034 χ^2/NDF: 2563295.0/20

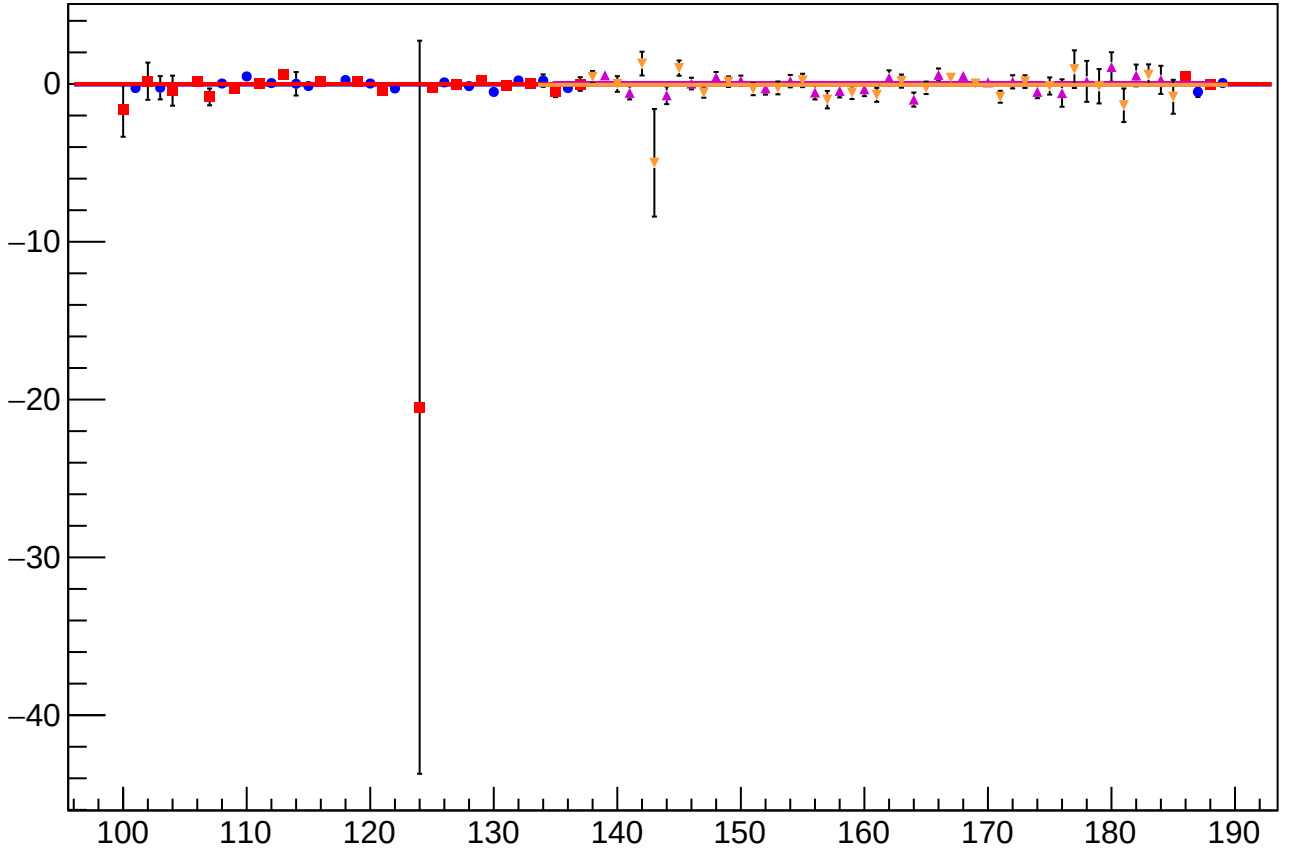
Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

+ sign 202.975+/-0.033 χ^2/NDF: 14022905.5/42

All: 186.315+/-0.022 χ^2/NDF: 30462379.9/86

- sign 173.220+/-0.029 χ^2/NDF: 15981886.9/43

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.039+/-0.056 χ^2/NDF: 19.5/17

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.001+/-0.048 χ^2/NDF: 26.1/20

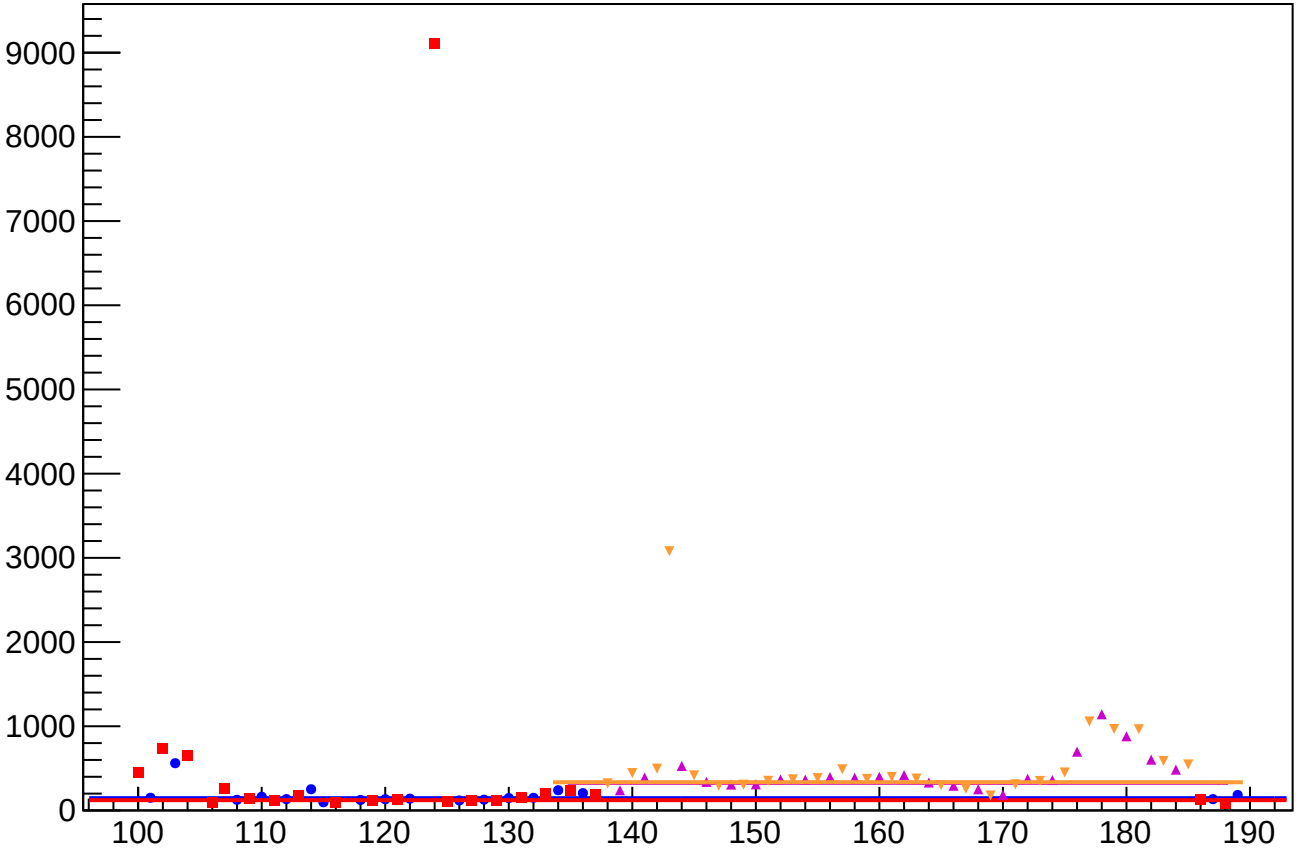
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.044+/-0.047 χ^2/NDF: 52.6/42

All: -0.011+/-0.031 χ^2/NDF: 108.1/86

- sign 0.015+/-0.041 χ^2/NDF: 54.6/43

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 145.601+/-0.039 χ^2/NDF: 1170029.5/17

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

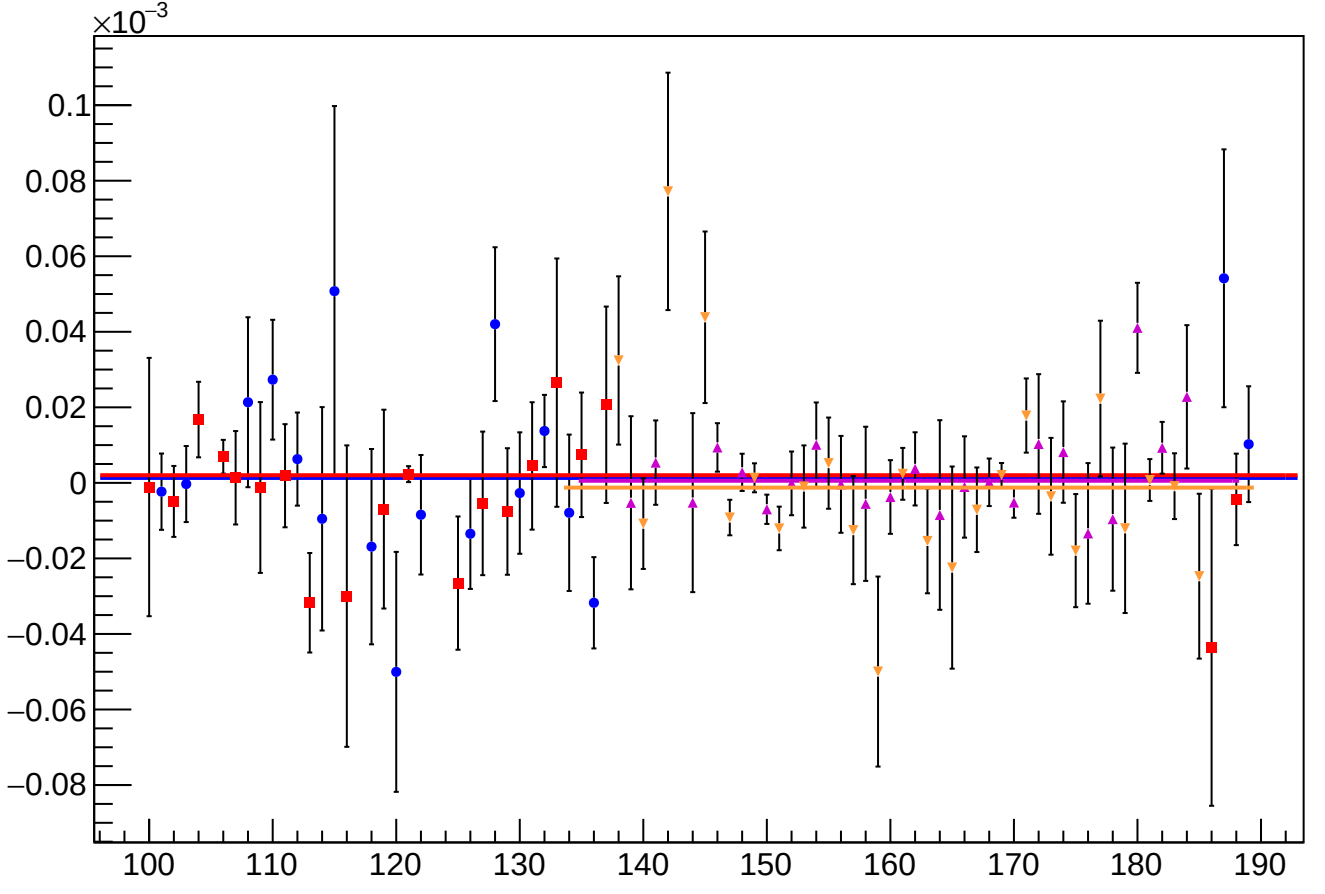
Right Out: 122.103+/-0.034 χ^2/NDF: 2563295.0/20

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

+ sign 202.975+/-0.033 χ^2/NDF: 14022905.5/42

All: 186.315+/-0.022 χ^2/NDF: 30462379.9/86

- sign 173.220+/-0.029 χ^2/NDF: 15981886.9/43



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

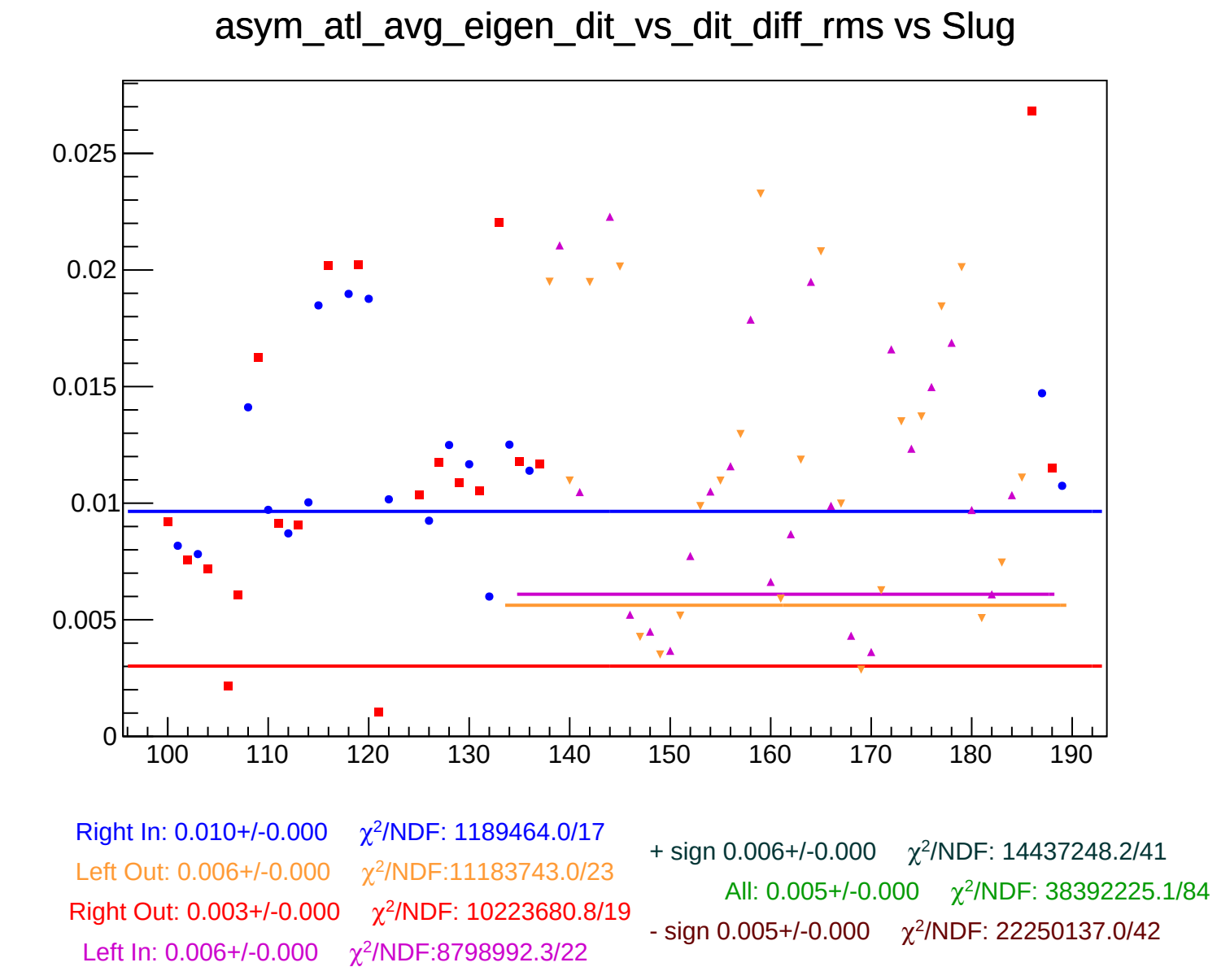
Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/19

Left In: 0.000+/-0.000 χ^2/NDF:25.5/22

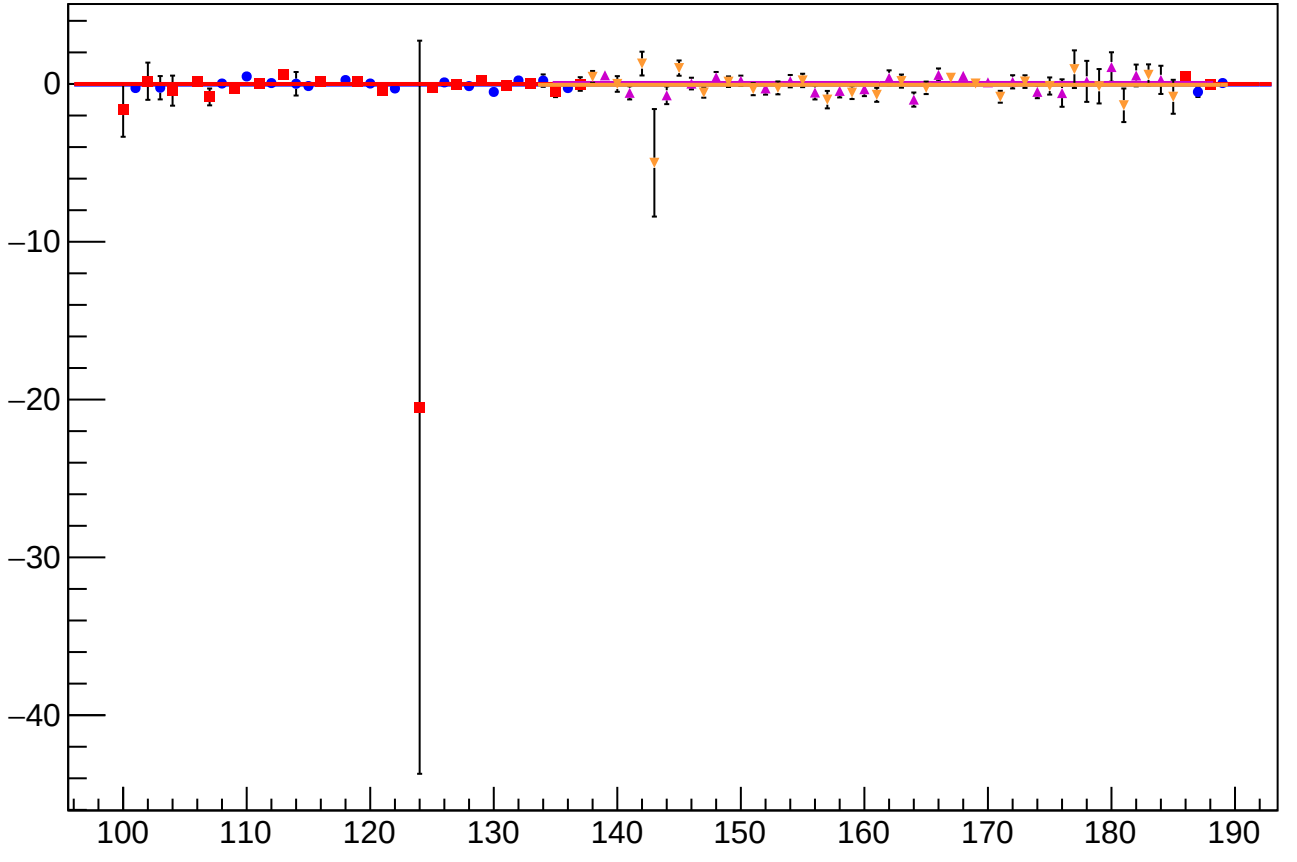
+ sign -0.000+/-0.000 χ^2/NDF: 61.8/41

All: 0.000+/-0.000 χ^2/NDF: 105.9/84

- sign 0.000+/-0.000 χ^2/NDF: 42.9/42


asym_atl_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.010+/-0.000 χ²/NDF: 1189464.0/17
Left Out: 0.006+/-0.000 χ²/NDF:11183743.0/23
Right Out: 0.003+/-0.000 χ²/NDF: 10223680.8/19
Left In: 0.006+/-0.000 χ²/NDF:8798992.3/22
+ sign 0.006+/-0.000 χ²/NDF: 14437248.2/41
All: 0.005+/-0.000 χ²/NDF: 38392225.1/84
- sign 0.005+/-0.000 χ²/NDF: 22250137.0/42

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.039+/-0.056 χ^2/NDF: 19.5/17

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.001+/-0.048 χ^2/NDF: 26.1/20

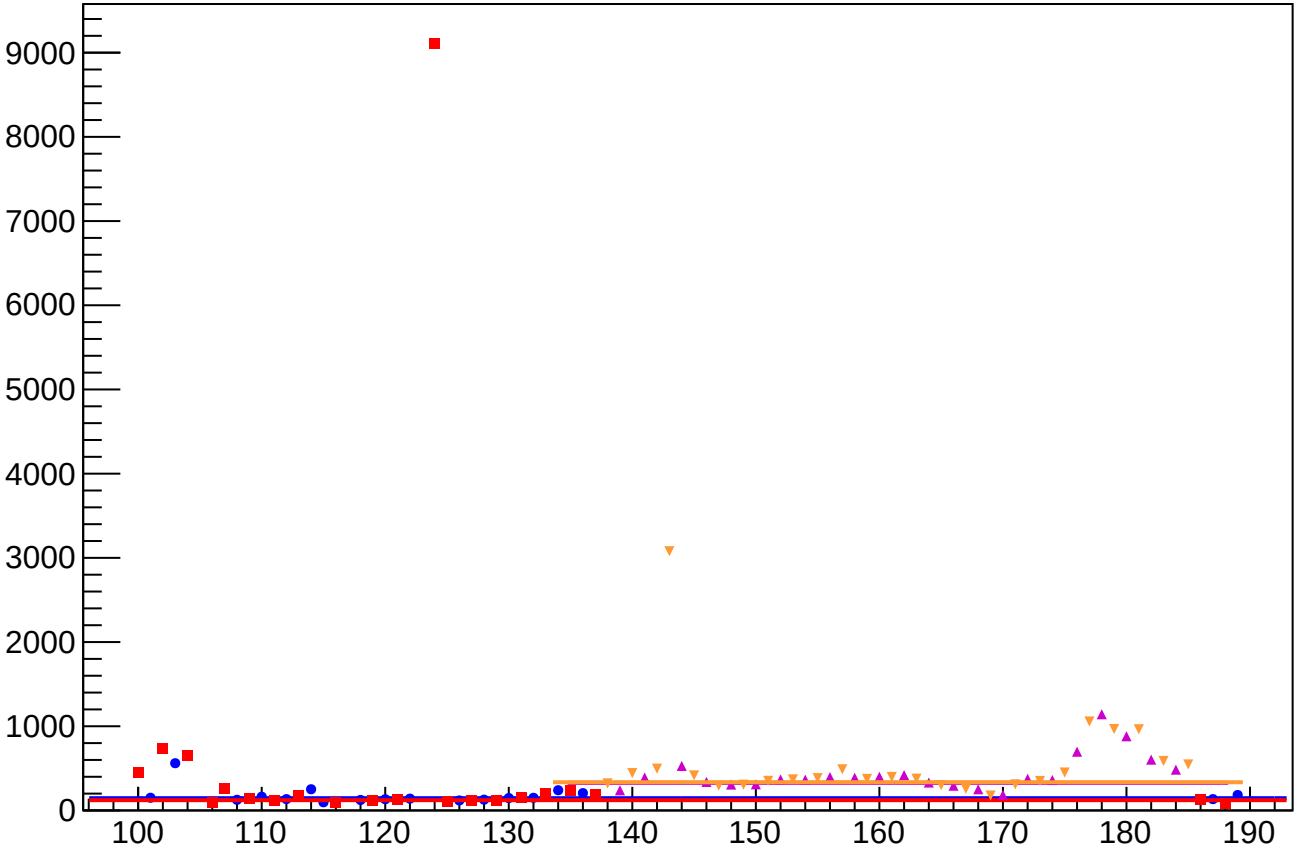
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.044+/-0.047 χ^2/NDF: 52.6/42

All: -0.011+/-0.031 χ^2/NDF: 108.1/86

- sign 0.015+/-0.041 χ^2/NDF: 54.6/43

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 145.600+/-0.039 χ^2/NDF: 1170064.4/17

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

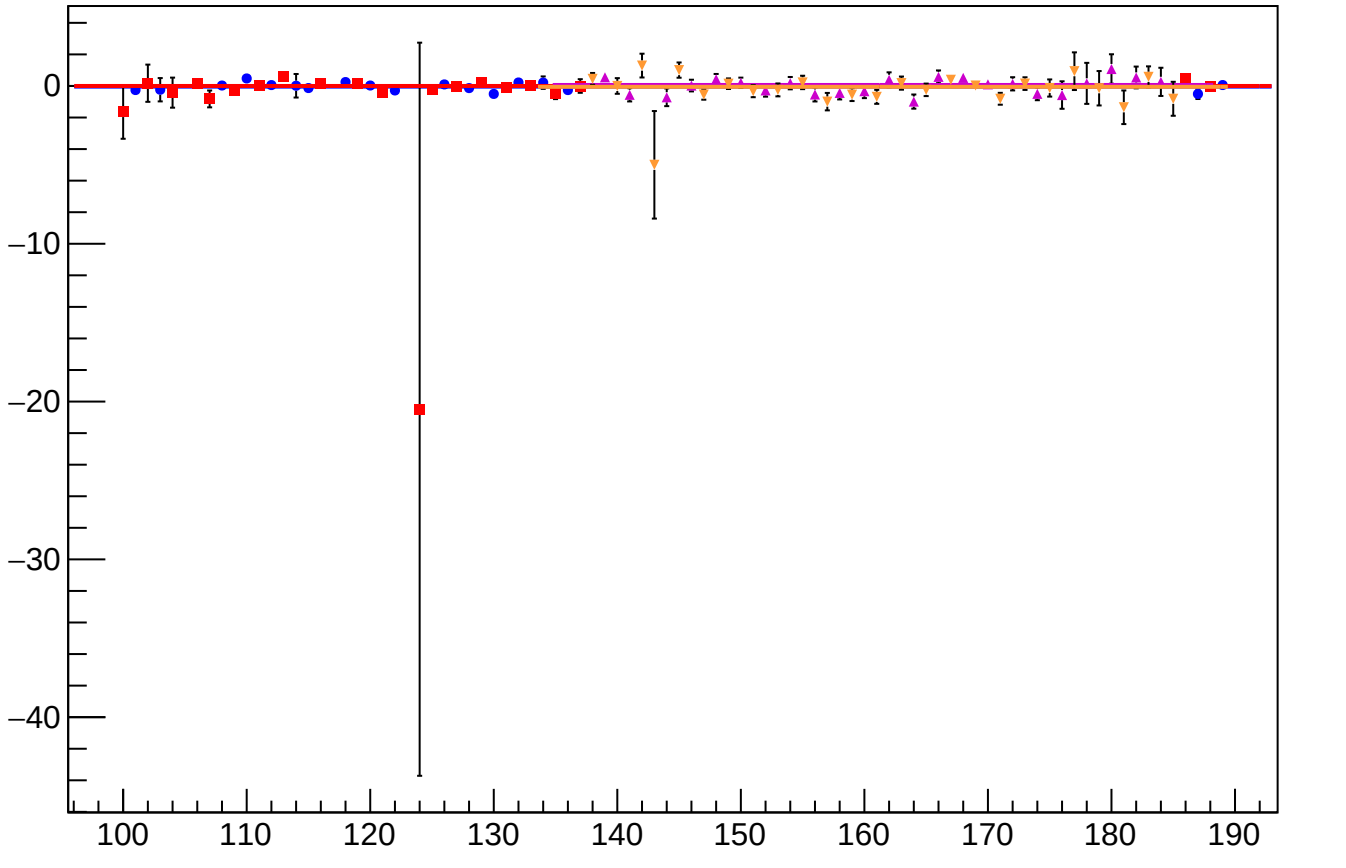
Right Out: 122.098+/-0.034 χ^2/NDF: 2563421.4/20

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 202.974+/-0.033 χ^2/NDF: 14023193.0/42

All: 186.311+/-0.022 χ^2/NDF: 30463677.1/86

- sign 173.214+/-0.029 χ^2/NDF: 15982735.8/43



Right In: -0.039+/-0.056 χ^2/NDF: 19.5/17

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

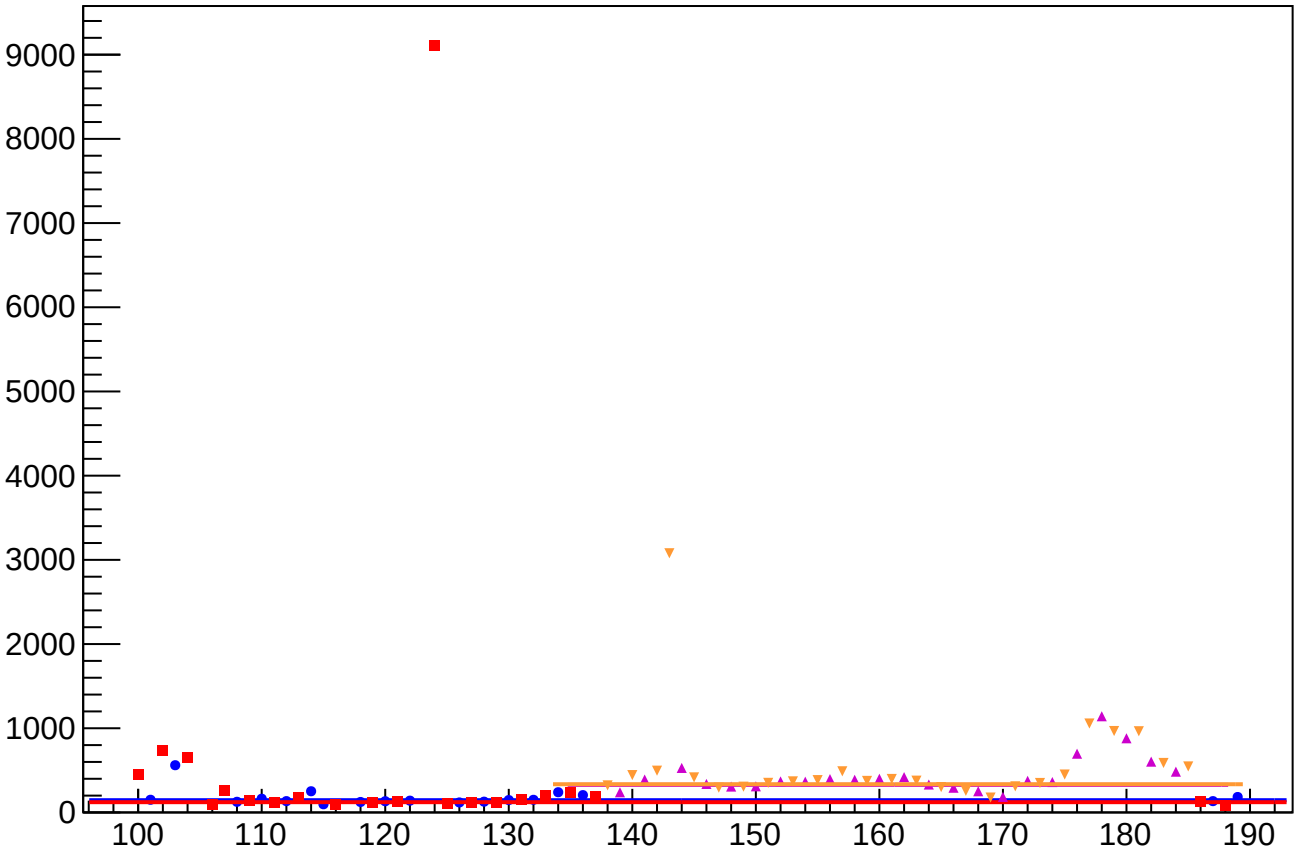
Right Out: -0.001+/-0.048 χ^2/NDF: 26.1/20

Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.044+/-0.047 χ^2/NDF: 52.6/42

All: -0.011+/-0.031 χ^2/NDF: 108.1/86

- sign 0.015+/-0.041 χ^2/NDF: 54.6/43



Right In: 145.600+/-0.039 χ^2/NDF: 1170064.4/17

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

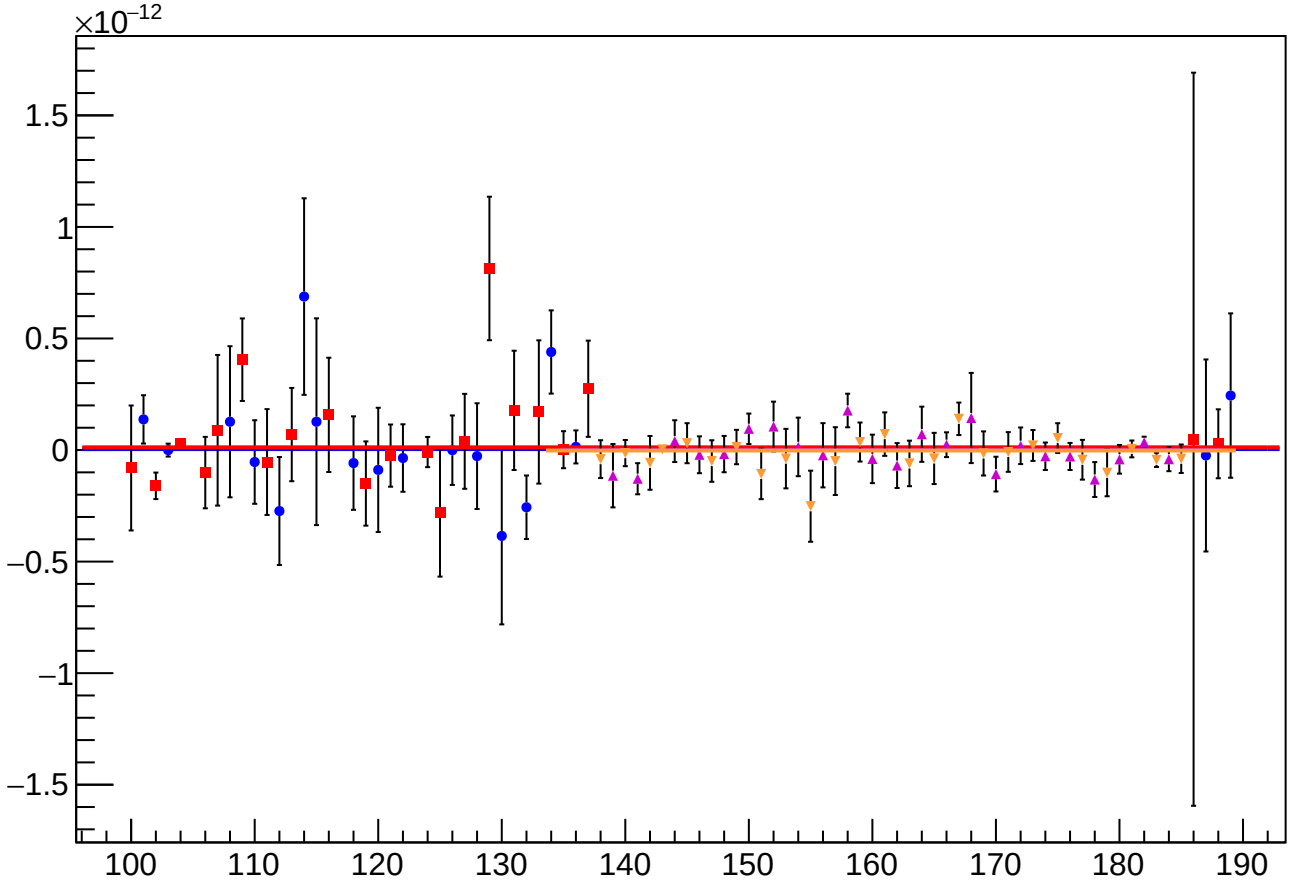
Right Out: 122.098+/-0.034 χ^2/NDF: 2563421.4/20

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 202.974+/-0.033 χ^2/NDF: 14023193.0/42

All: 186.311+/-0.022 χ^2/NDF: 30463677.1/86

- sign 173.214+/-0.029 χ^2/NDF: 15982735.8/43



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/17

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/24

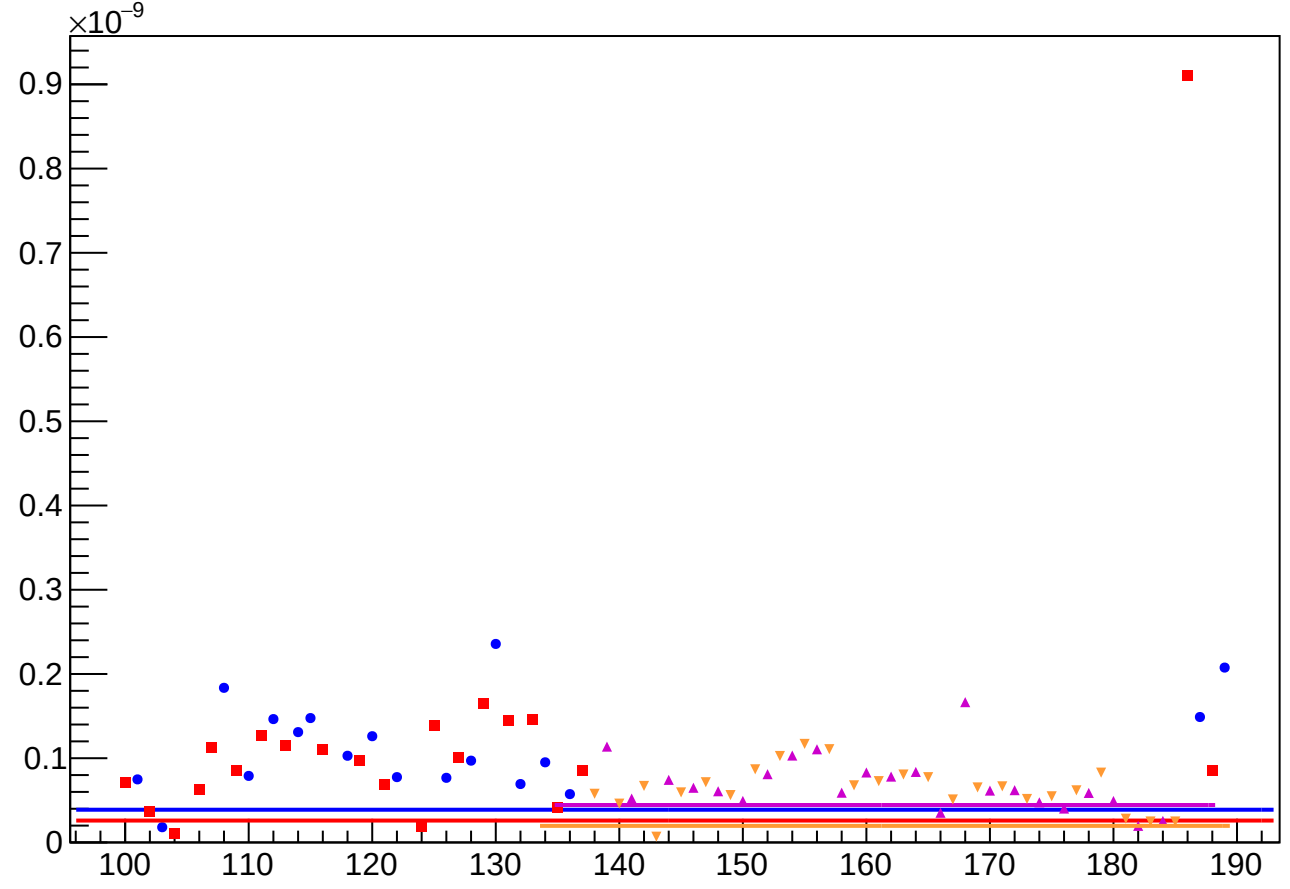
Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/20

Left In: 0.000+/-0.000 χ^2/NDF:22.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 29.7/42

All: 0.000+/-0.000 χ^2/NDF: 77.8/86

- sign 0.000+/-0.000 χ^2/NDF: 47.8/43



Right In: 0.000+/-0.000 χ^2/NDF: 4497003.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:14888228.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5578289.8/20

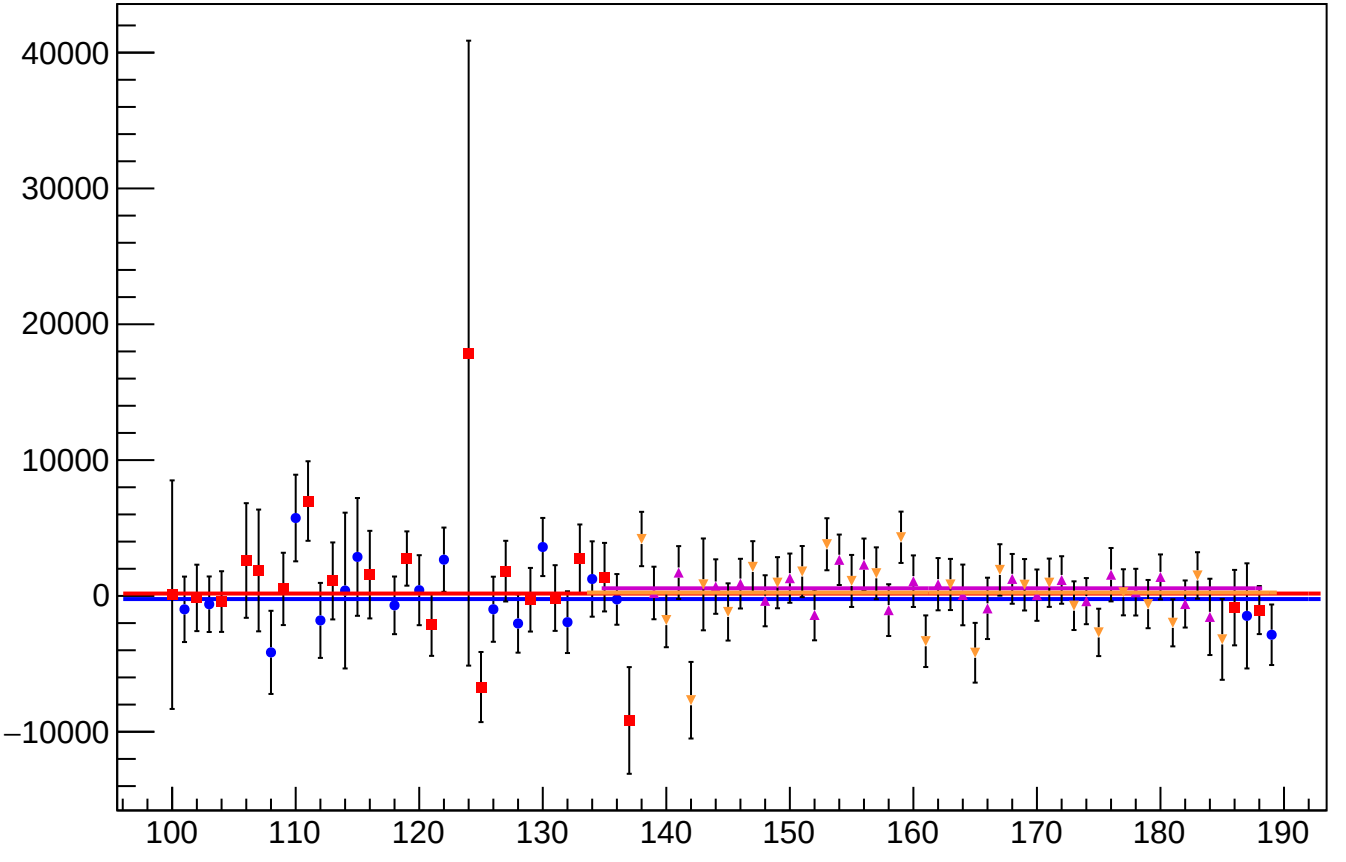
Left In: 0.000+/-0.000 χ^2/NDF:5919814.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 20537131.3/42

All: 0.000+/-0.000 χ^2/NDF: 35972011.3/86

- sign 0.000+/-0.000 χ^2/NDF: 12762661.5/43

reg_asym_atl_dd_mean vs Slug



Right In: -230.850+/-590.235 χ^2/NDF: 14.1/17

Left Out: 248.233+/-388.827 χ^2/NDF:39.6/24

Right Out: 174.936+/-583.272 χ^2/NDF: 24.8/20

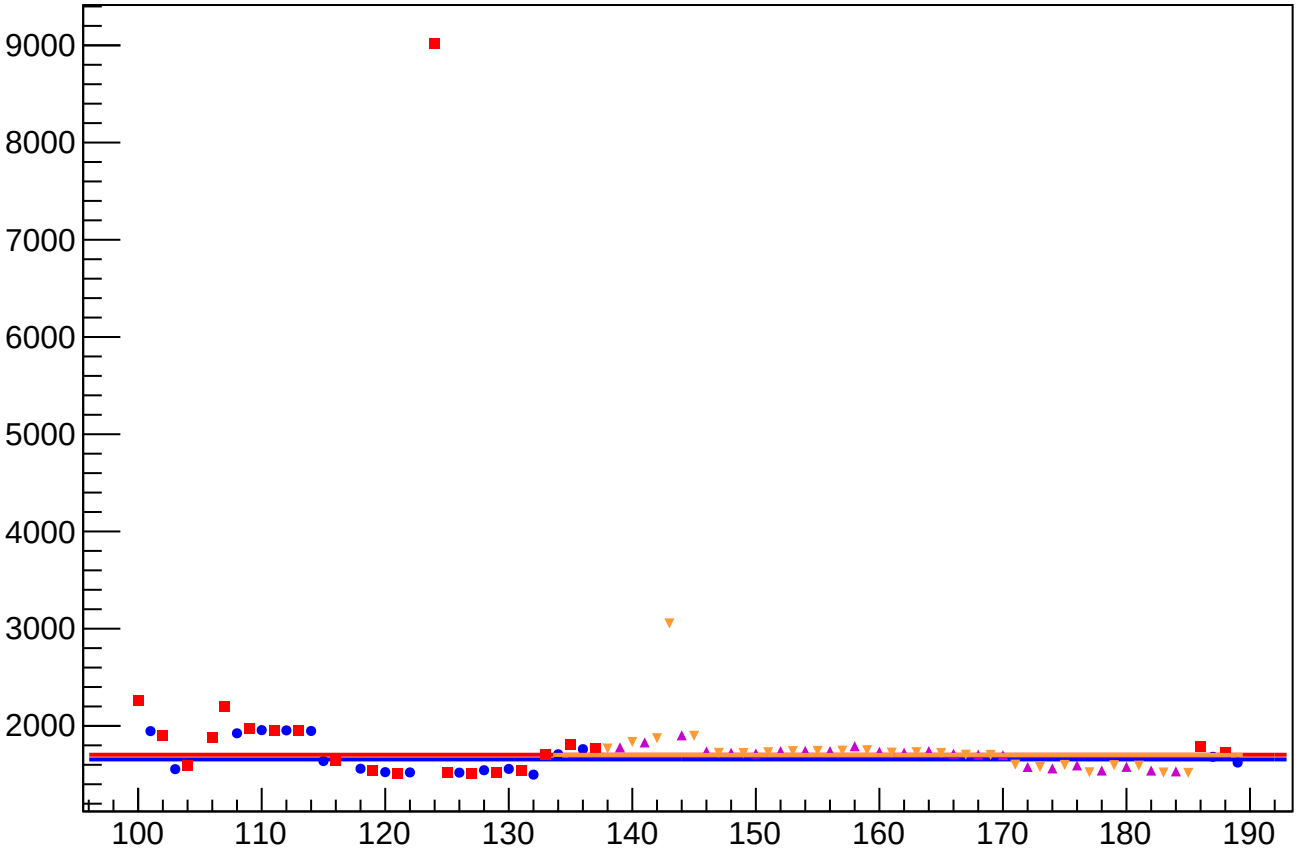
Left In: 559.995+/-395.112 χ^2/NDF:7.5/22

+ sign 103.245+/-324.703 χ^2/NDF: 54.1/42

All: 269.815+/-230.450 χ^2/NDF: 87.2/86

- sign 438.878+/-327.123 χ^2/NDF: 32.6/43

reg_asym_atl_dd_rms vs Slug



Right In: 1655.312+/-0.417 χ^2/NDF: 144512.2/17

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.1/24

Right Out: 1703.504+/-0.411 χ^2/NDF: 388816.2/20

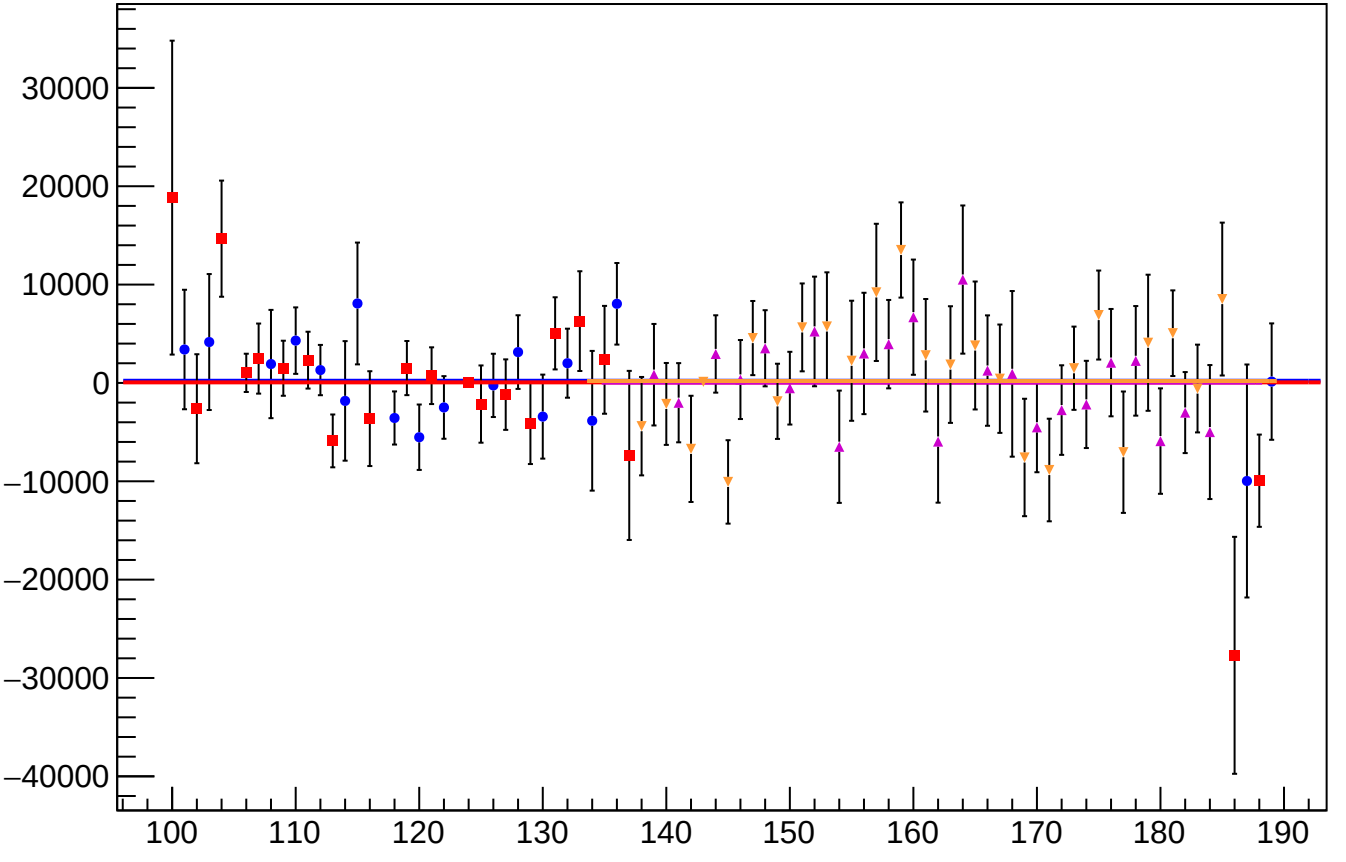
Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1687.580+/-0.230 χ^2/NDF: 605462.5/42

All: 1690.652+/-0.163 χ^2/NDF: 1117779.3/86

- sign 1693.764+/-0.231 χ^2/NDF: 511956.3/43

asym_atl_dd_reg_correction_mean vs Slug



Right In: 219.970+/-945.613 χ^2/NDF: 16.0/17

Left Out: 193.503+/-343.131 χ^2/NDF:33.9/24

Right Out: 57.904+/-322.830 χ^2/NDF: 30.7/20

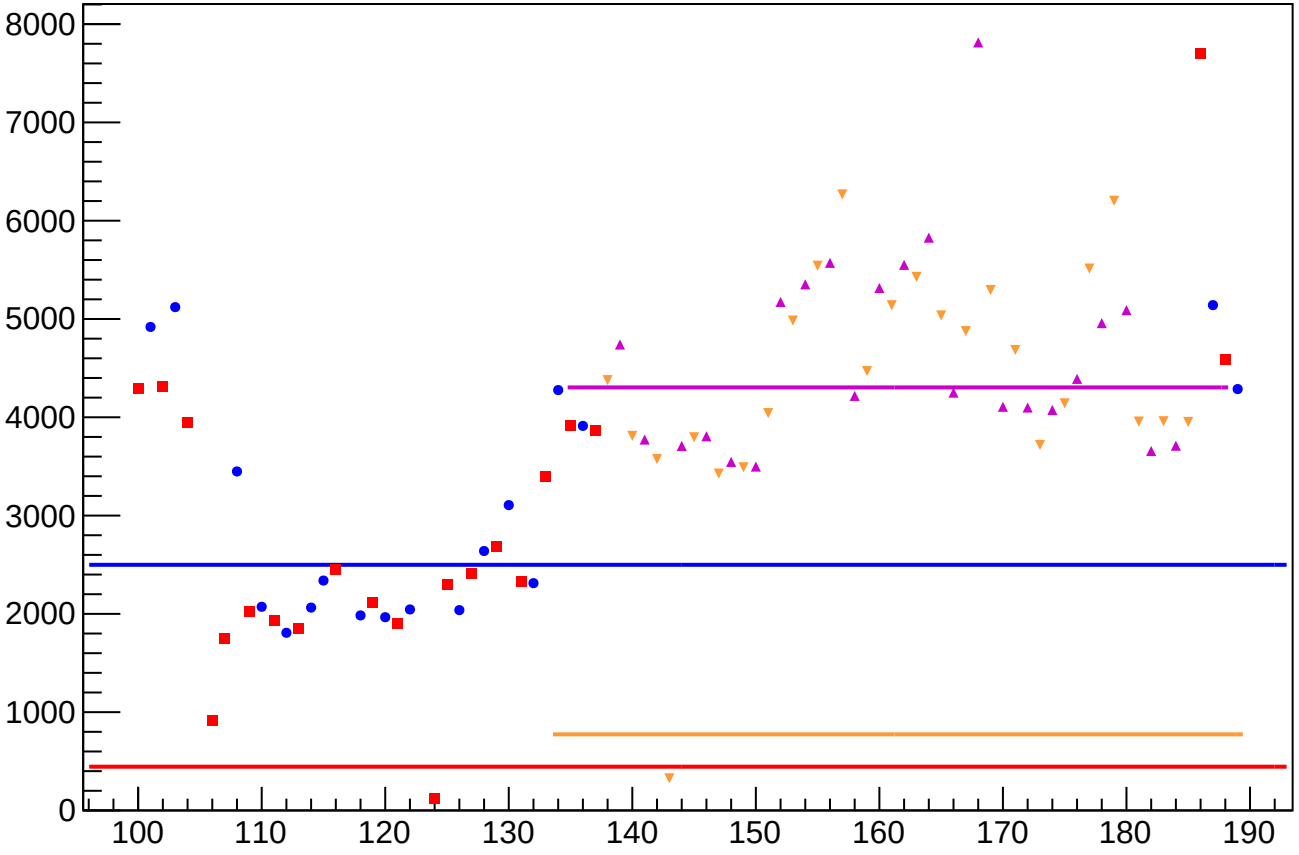
Left In: 28.728+/-1025.481 χ^2/NDF:13.3/22

+ sign 196.582+/-322.552 χ^2/NDF: 49.9/42

All: 122.653+/-222.730 χ^2/NDF: 94.0/86

- sign 55.273+/-307.932 χ^2/NDF: 44.0/43

asym_atl_dd_reg_correction_rms vs Slug



Right In: 2499.150+/-0.669 χ^2/NDF: 1748848.2/17

Left Out: 774.232+/-0.243 χ^2/NDF:28085586.8/24

Right Out: 445.272+/-0.228 χ^2/NDF: 13362920.9/20

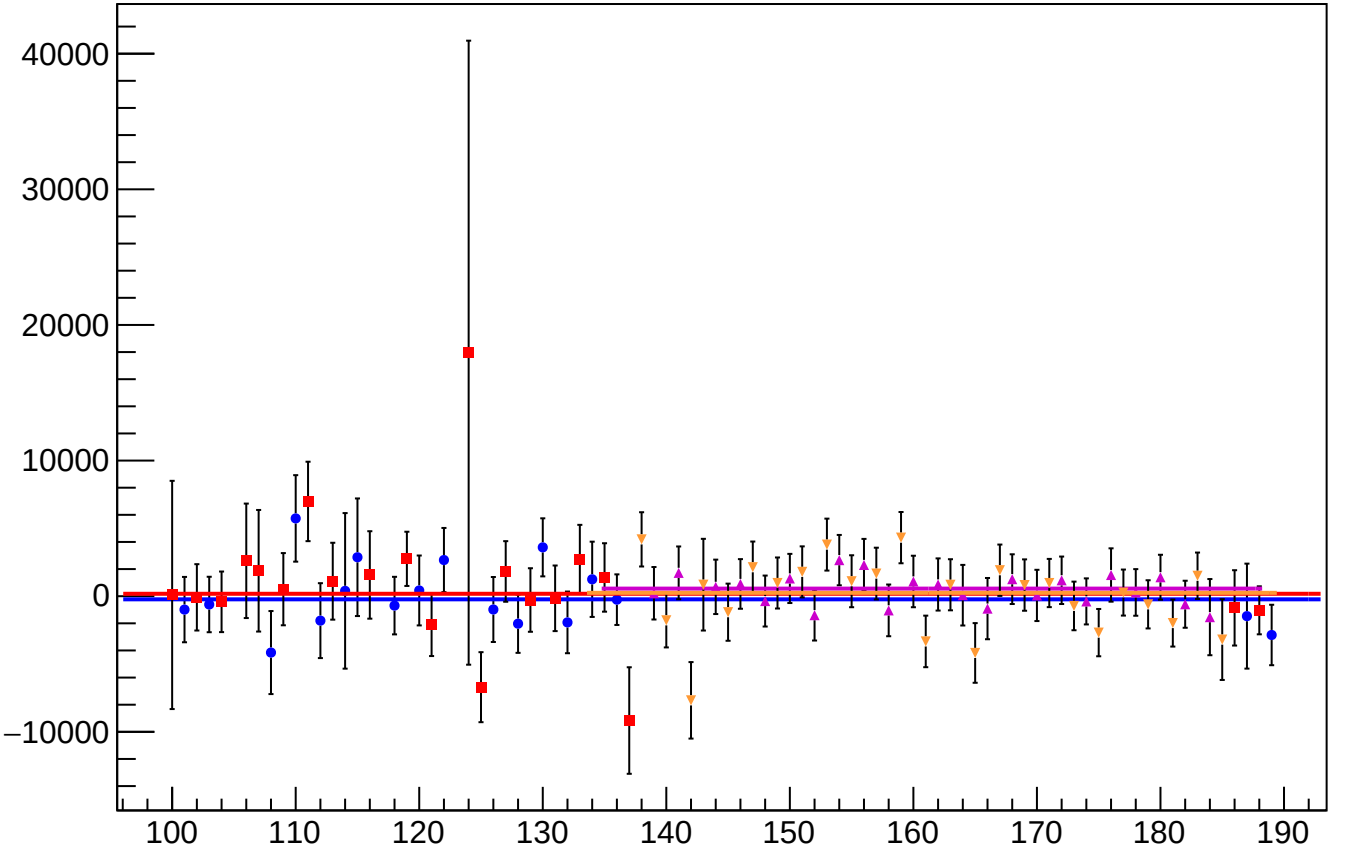
Left In: 4304.007+/-0.725 χ^2/NDF:1216578.1/22

+ sign 974.929+/-0.228 χ^2/NDF: 35715002.2/42

All: 879.857+/-0.157 χ^2/NDF: 76391346.2/86

- sign 793.208+/-0.218 χ^2/NDF: 40344226.9/43

cor_asym_atl_dd_mean vs Slug



Right In: -230.948+/-590.235 χ^2/NDF: 14.1/17

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: 178.554+/-583.277 χ^2/NDF: 24.8/20

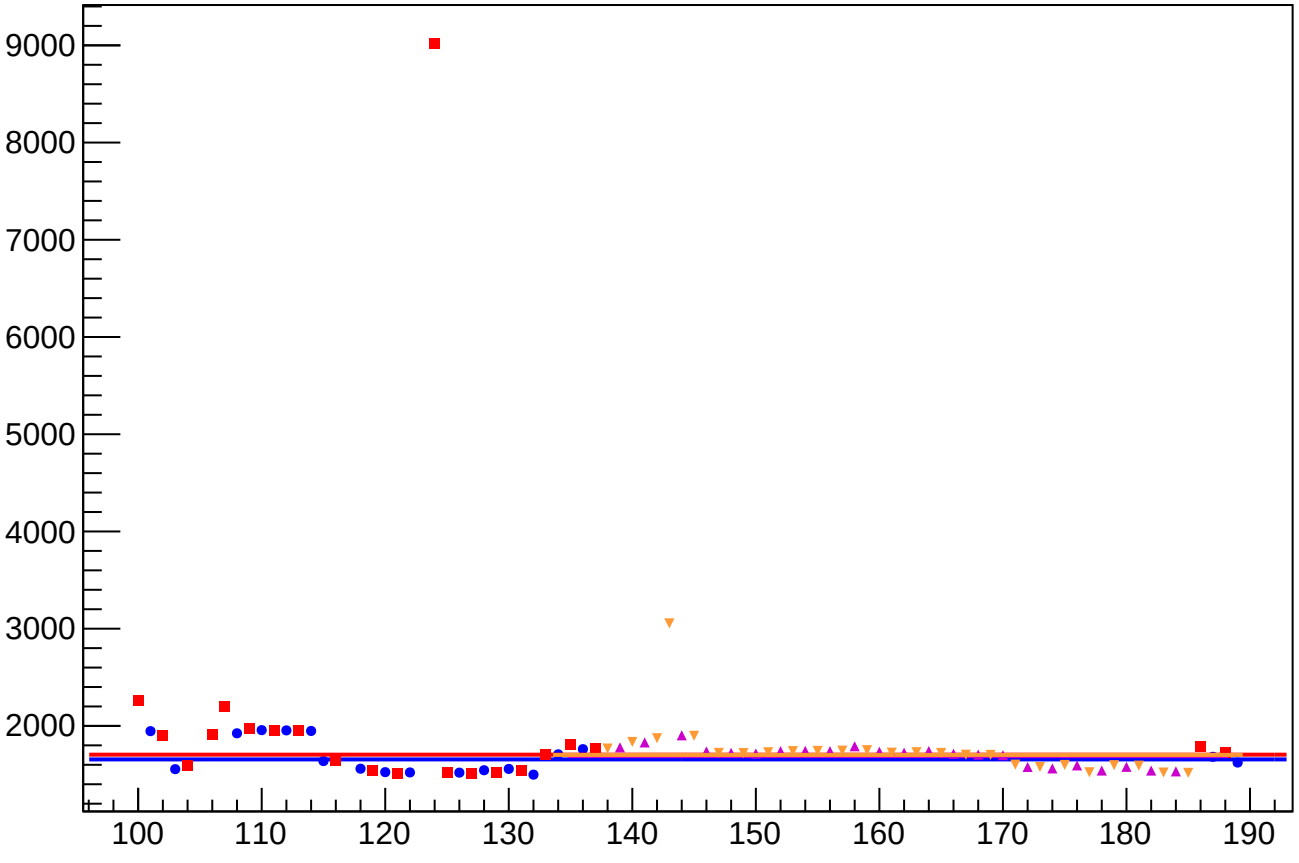
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

+ sign 103.203+/-324.703 χ^2/NDF: 54.1/42

All: 270.348+/-230.451 χ^2/NDF: 87.2/86

- sign 439.993+/-327.124 χ^2/NDF: 32.6/43

cor_asym_atl_dd_rms vs Slug



Right In: 1655.312+/-0.417 χ^2/NDF: 144512.3/17

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

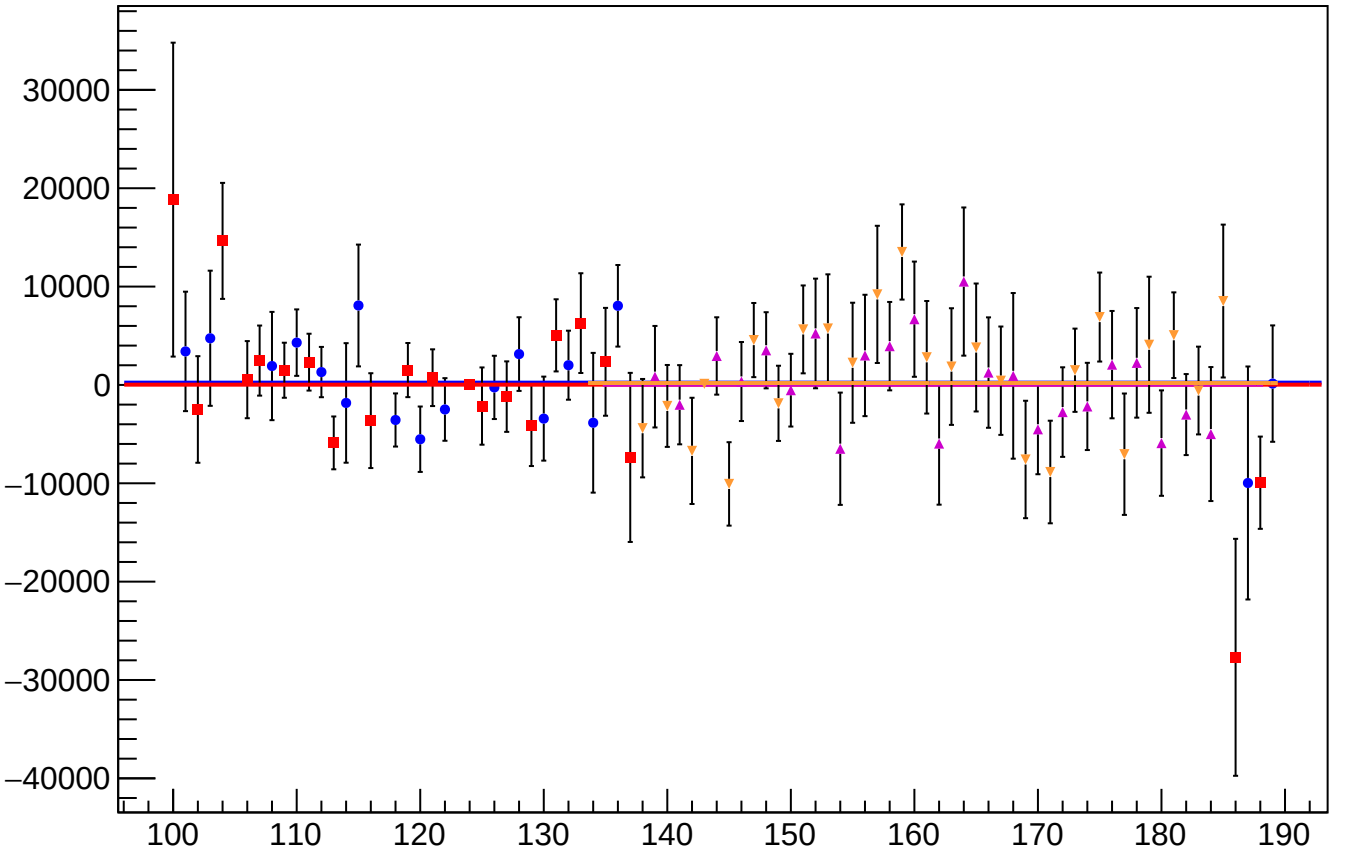
Right Out: 1704.184+/-0.411 χ^2/NDF: 390512.0/20

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1687.580+/-0.230 χ^2/NDF: 605462.6/42

All: 1690.757+/-0.163 χ^2/NDF: 1119580.0/86

- sign 1693.976+/-0.231 χ^2/NDF: 513731.8/43



Right In: 232.160+/-945.500 χ^2/NDF: 16.1/17

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: 28.002+/-314.936 χ^2/NDF: 30.5/20

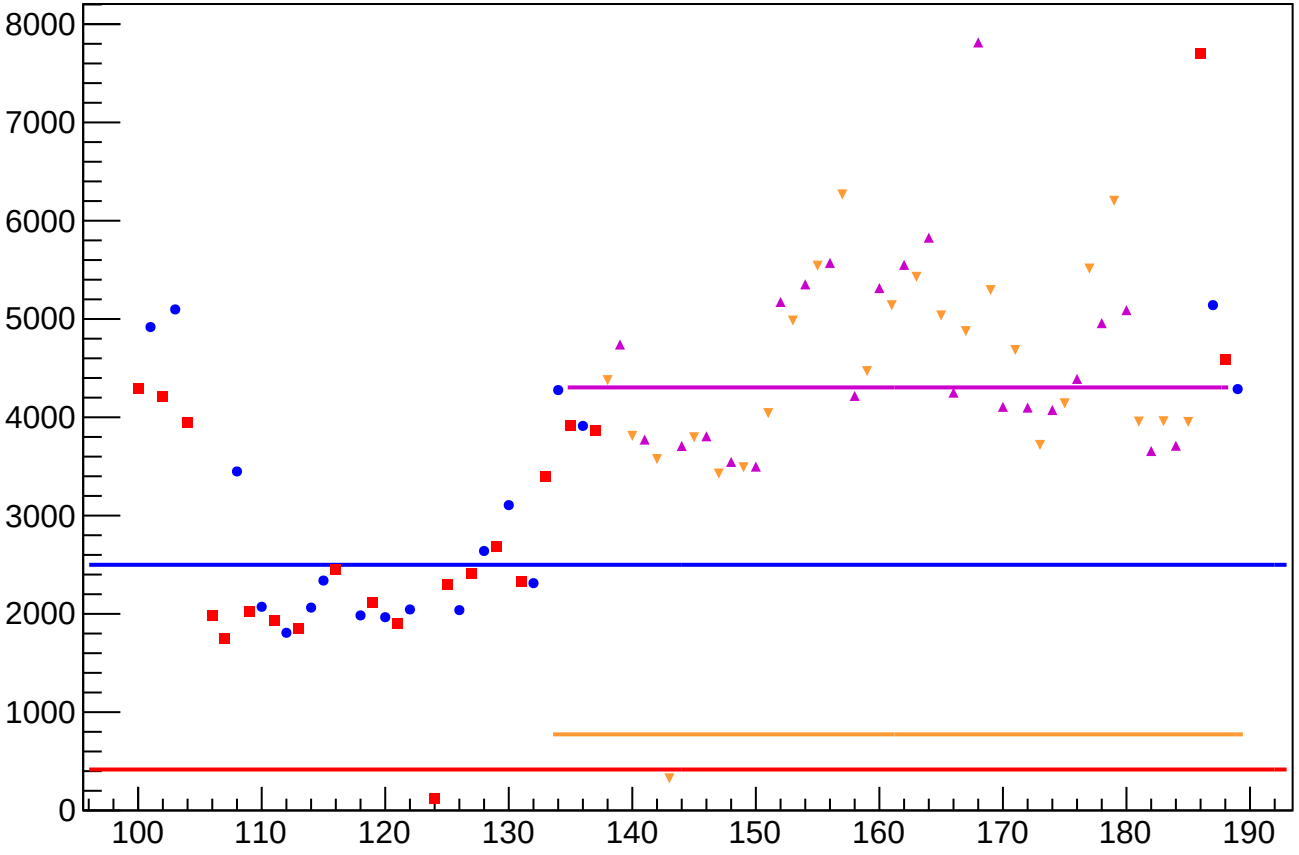
Left In: 28.766+/-1025.480 χ^2/NDF:13.3/22

+ sign 198.366+/-322.528 χ^2/NDF: 50.0/42

All: 107.361+/-220.079 χ^2/NDF: 93.9/86

- sign 28.068+/-301.059 χ^2/NDF: 43.8/43

asym_atl_dd_cor_correction_rms vs Slug



Right In: 2499.294+/-0.669 χ^2/NDF: 1747110.7/17

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 416.582+/-0.223 χ^2/NDF: 13733960.0/20

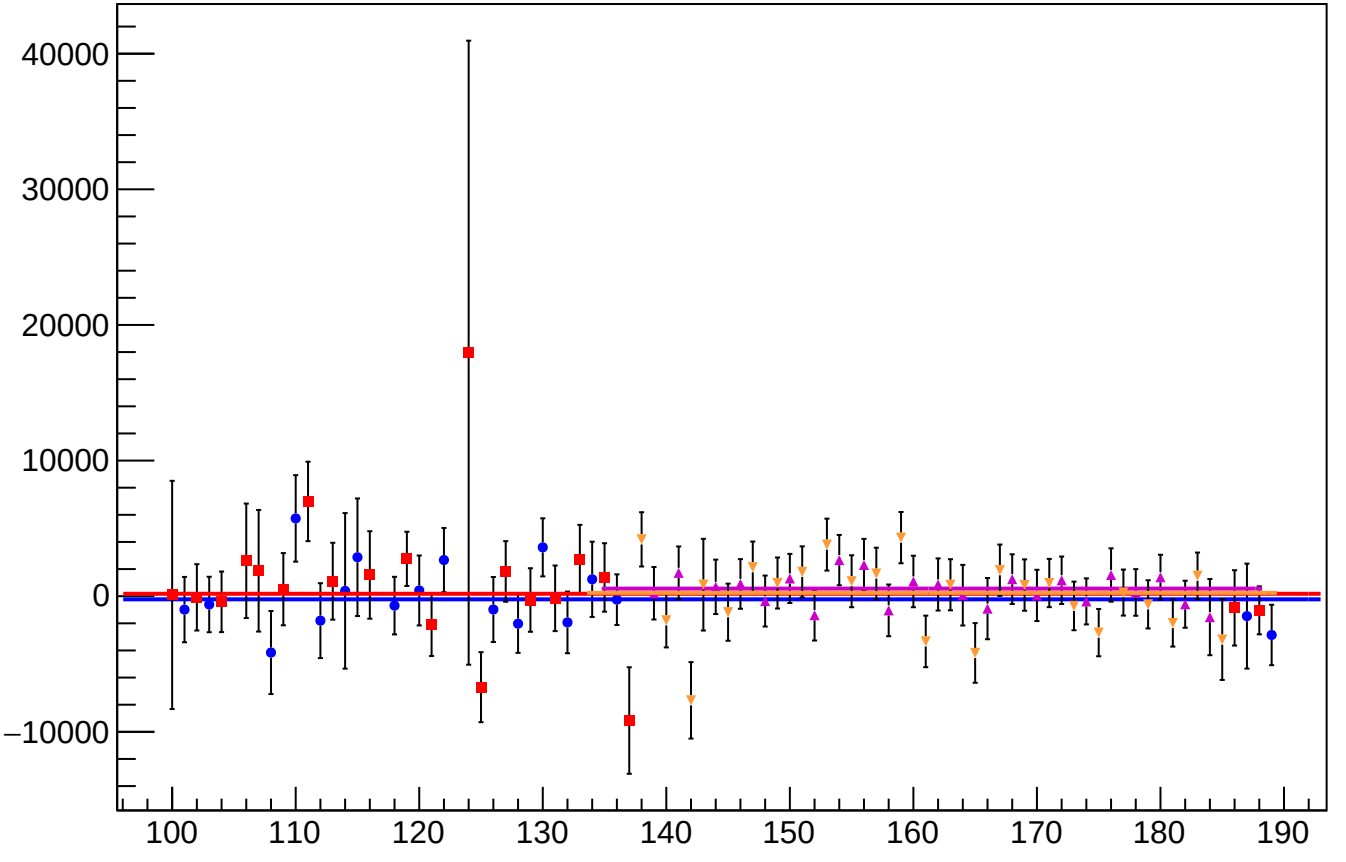
Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 974.885+/-0.228 χ^2/NDF: 35717060.7/42

All: 855.581+/-0.156 χ^2/NDF: 77443343.8/86

- sign 751.632+/-0.213 χ^2/NDF: 41214192.7/43

eigen_cor_asym_atl_dd_mean vs Slug



Right In: -230.948+/-590.235 χ^2/NDF: 14.1/17

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: 178.554+/-583.277 χ^2/NDF: 24.8/20

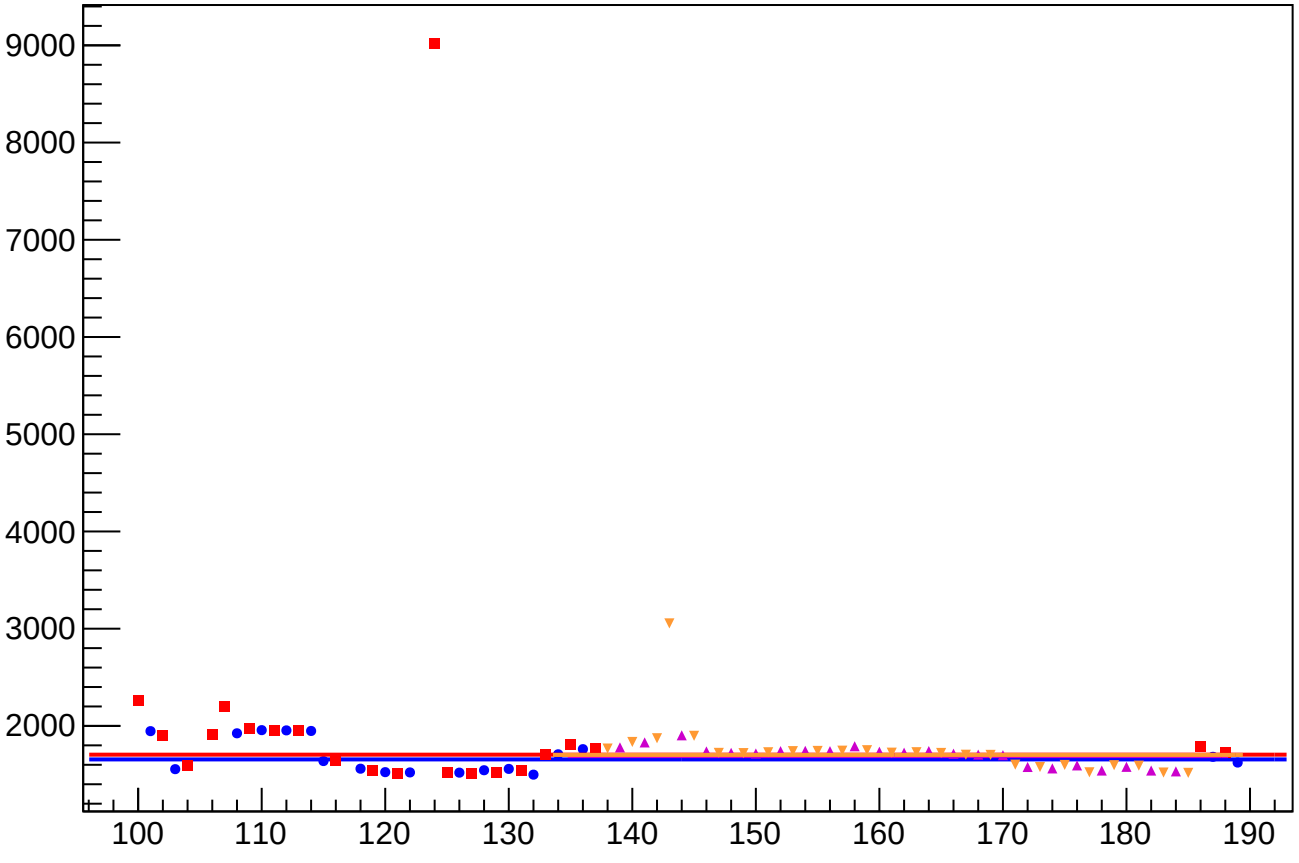
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

+ sign 103.203+/-324.703 χ^2/NDF: 54.1/42

All: 270.348+/-230.451 χ^2/NDF: 87.2/86

- sign 439.993+/-327.124 χ^2/NDF: 32.6/43

eigen_cor_asym_atl_dd_rms vs Slug



Right In: 1655.312+/-0.417 χ^2/NDF: 144512.3/17

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

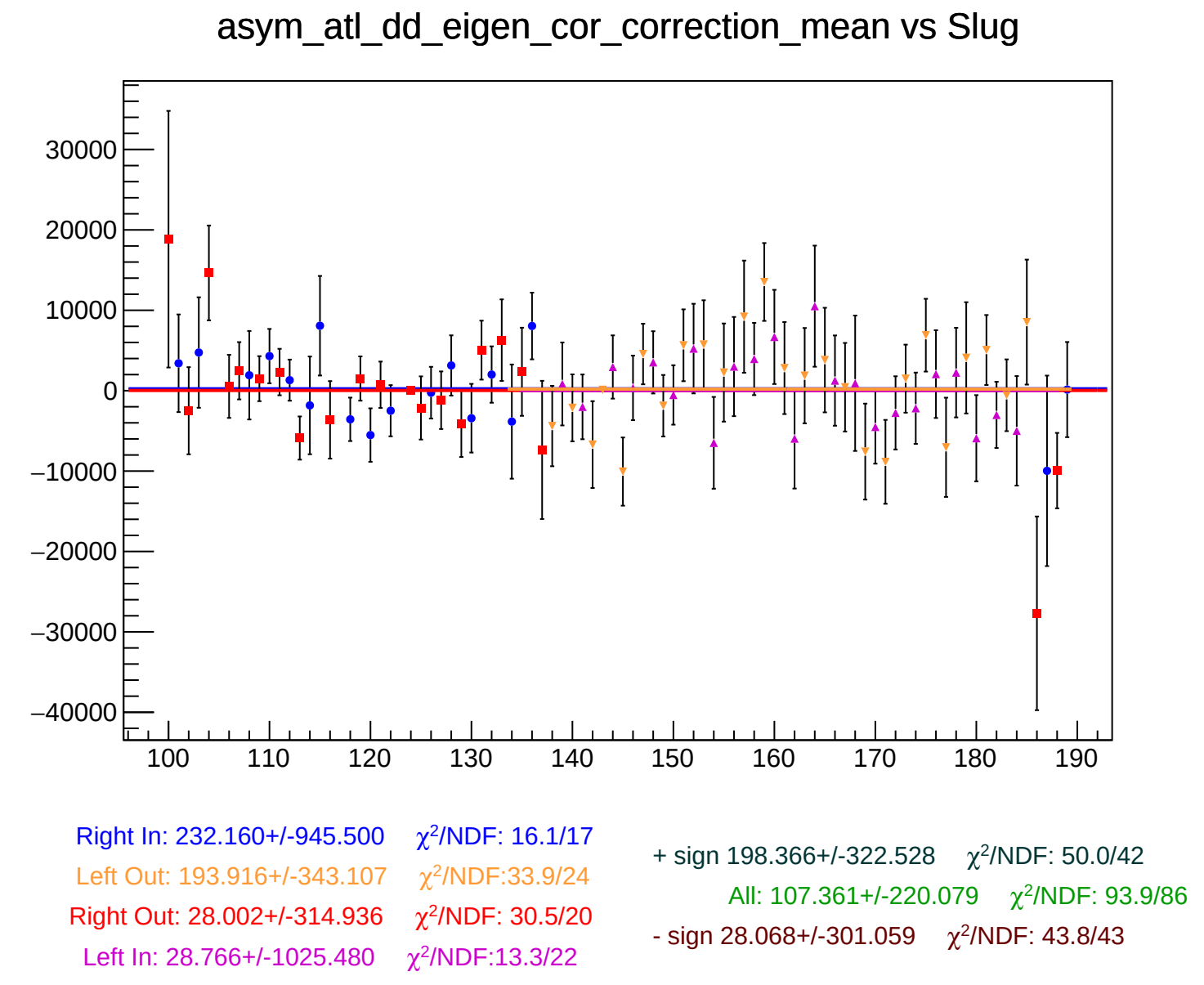
Right Out: 1704.184+/-0.411 χ^2/NDF: 390512.0/20

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

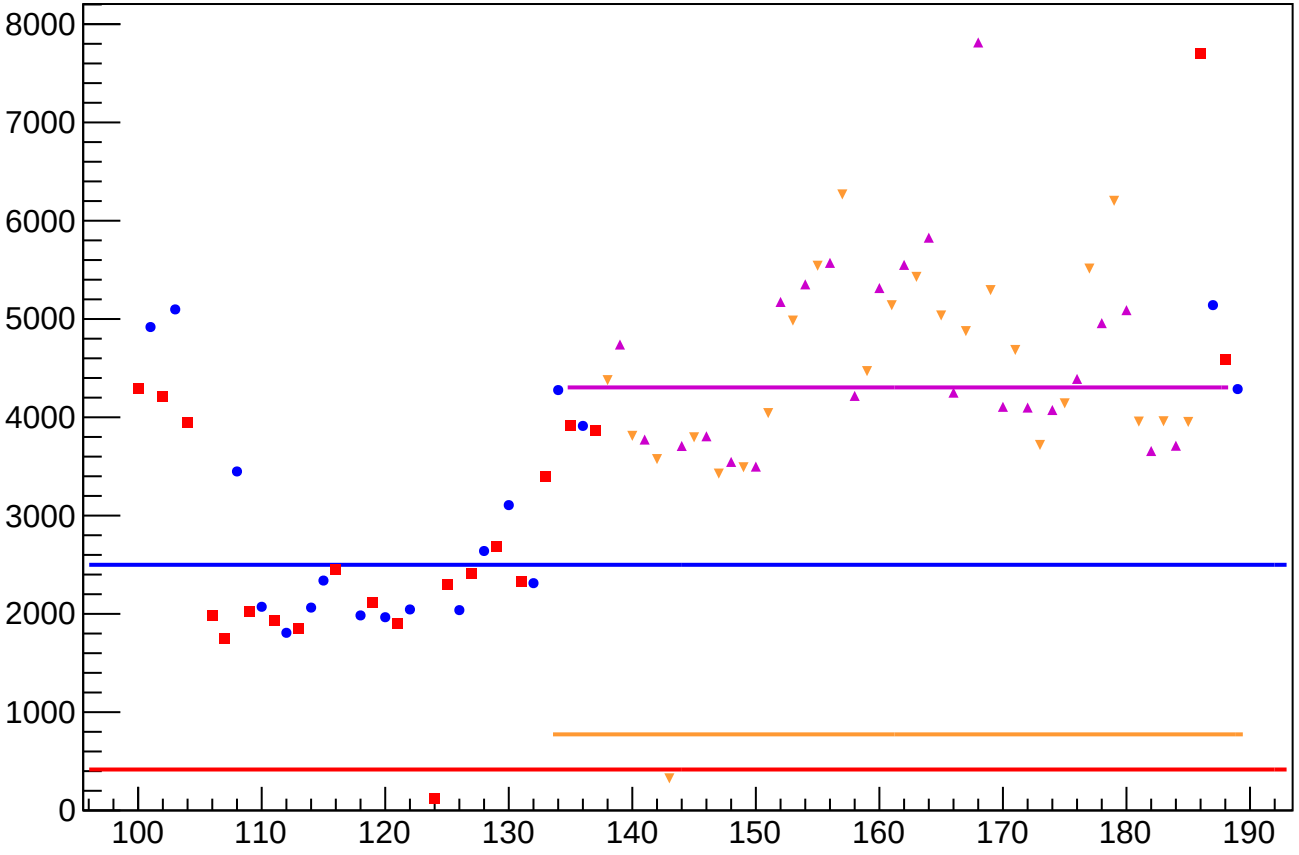
+ sign 1687.580+/-0.230 χ^2/NDF: 605462.6/42

All: 1690.757+/-0.163 χ^2/NDF: 1119580.0/86

- sign 1693.976+/-0.231 χ^2/NDF: 513731.8/43


asym_atl_dd_eigen_cor_correction_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: 232.160+/-945.500 χ²/NDF: 16.1/17
Left Out: 193.916+/-343.107 χ²/NDF:33.9/24
Right Out: 28.002+/-314.936 χ²/NDF: 30.5/20
Left In: 28.766+/-1025.480 χ²/NDF:13.3/22
+ sign 198.366+/-322.528 χ²/NDF: 50.0/42
All: 107.361+/-220.079 χ²/NDF: 93.9/86
- sign 28.068+/-301.059 χ²/NDF: 43.8/43

asym_atl_dd_eigen_cor_correction_rms vs Slug



Right In: 2499.294+/-0.669 χ^2/NDF: 1747110.7/17

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 416.582+/-0.223 χ^2/NDF: 13733960.0/20

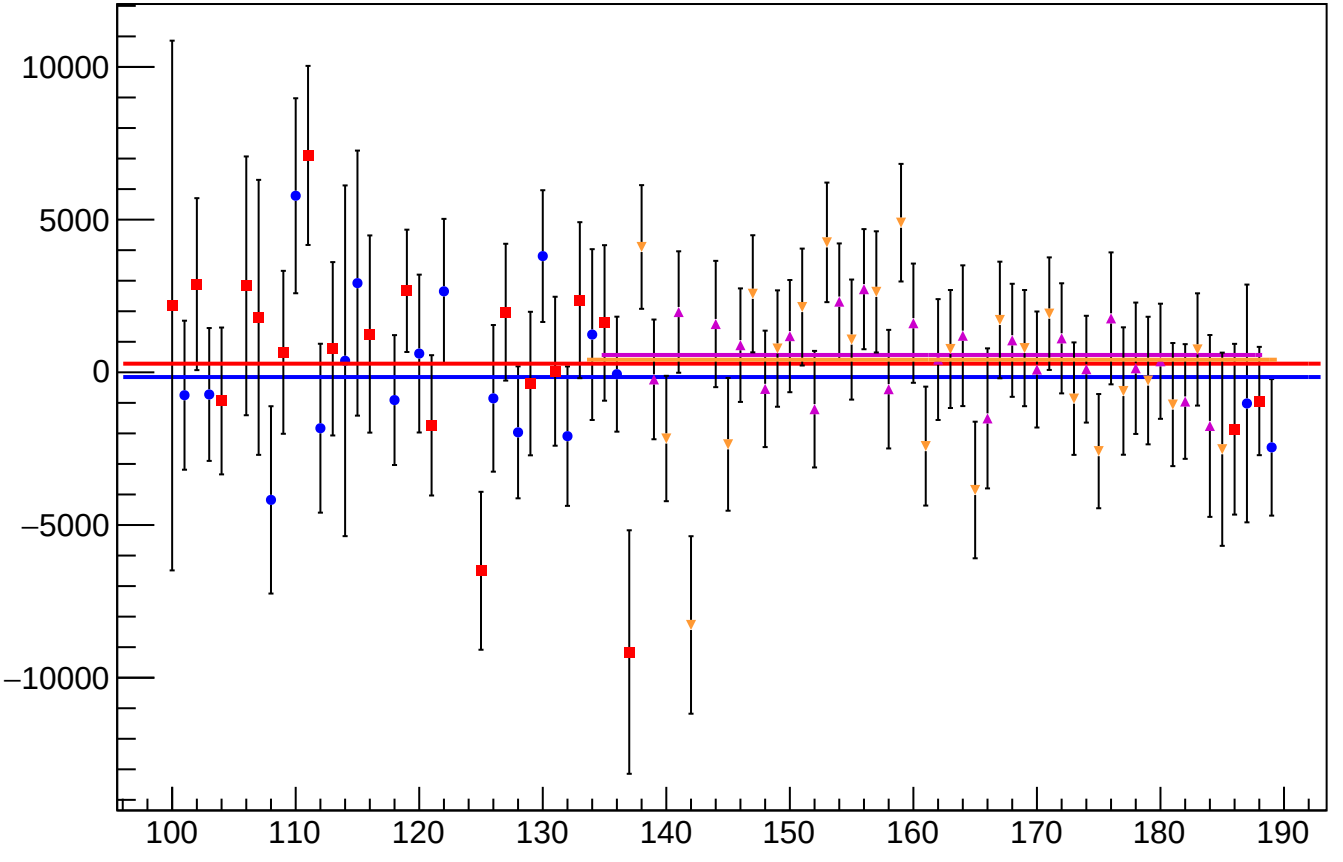
Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 974.885+/-0.228 χ^2/NDF: 35717060.7/42

All: 855.581+/-0.156 χ^2/NDF: 77443343.8/86

- sign 751.632+/-0.213 χ^2/NDF: 41214192.7/43

dit_asym_atl_dd_mean vs Slug



Right In: -154.651+/-595.843 χ^2/NDF: 14.0/17

Left Out: 413.309+/-410.536 χ^2/NDF:40.0/23

Right Out: 283.305+/-592.610 χ^2/NDF: 24.5/19

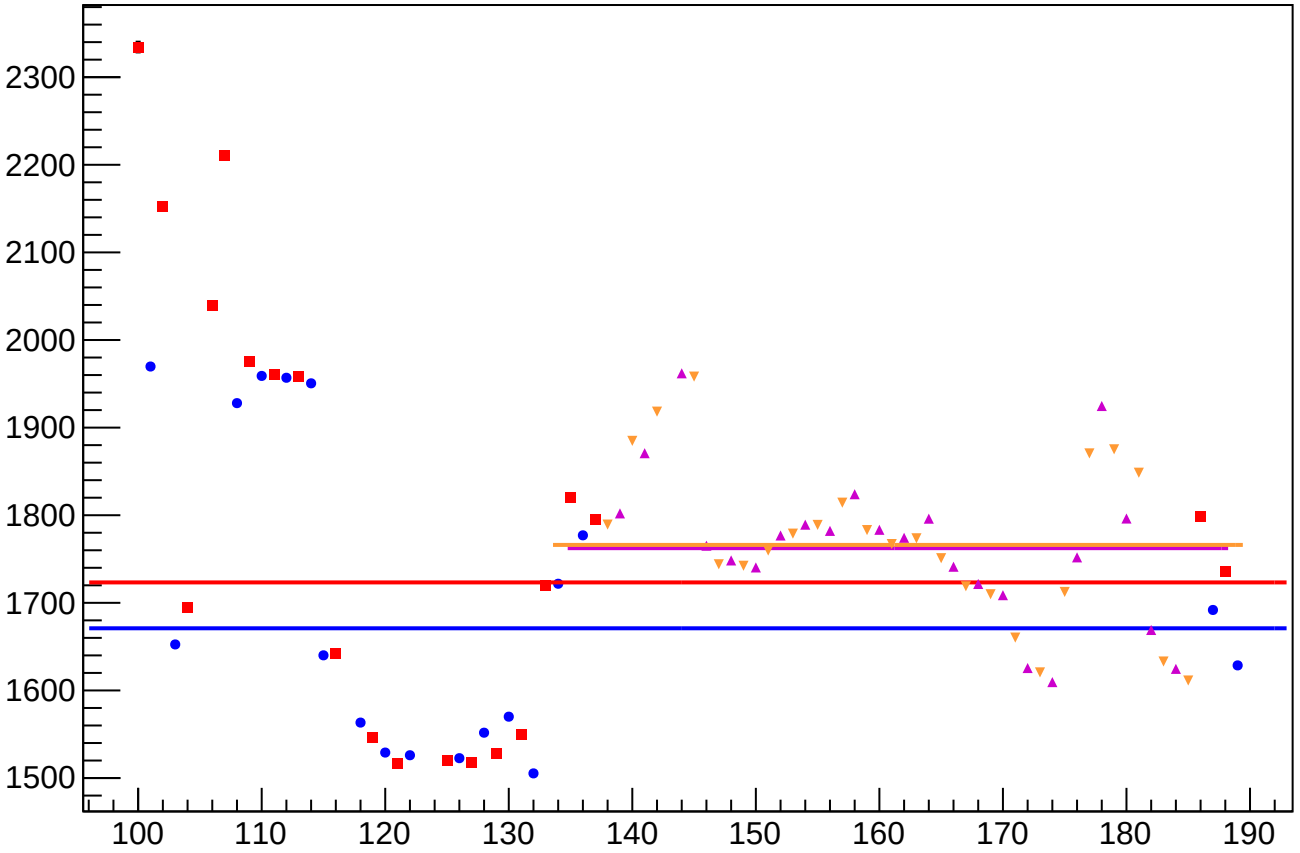
Left In: 568.823+/-412.052 χ^2/NDF:7.7/22

+ sign 230.480+/-338.062 χ^2/NDF: 54.6/41

All: 353.036+/-239.133 χ^2/NDF: 87.3/84

- sign 475.772+/-338.309 χ^2/NDF: 32.4/42

dit_asym_atl_dd_rms vs Slug



Right In: 1670.948+/-0.421 χ^2/NDF: 141688.1/17

Left Out: 1766.115+/-0.290 χ^2/NDF:83252.4/23

Right Out: 1723.311+/-0.418 χ^2/NDF: 229332.1/19

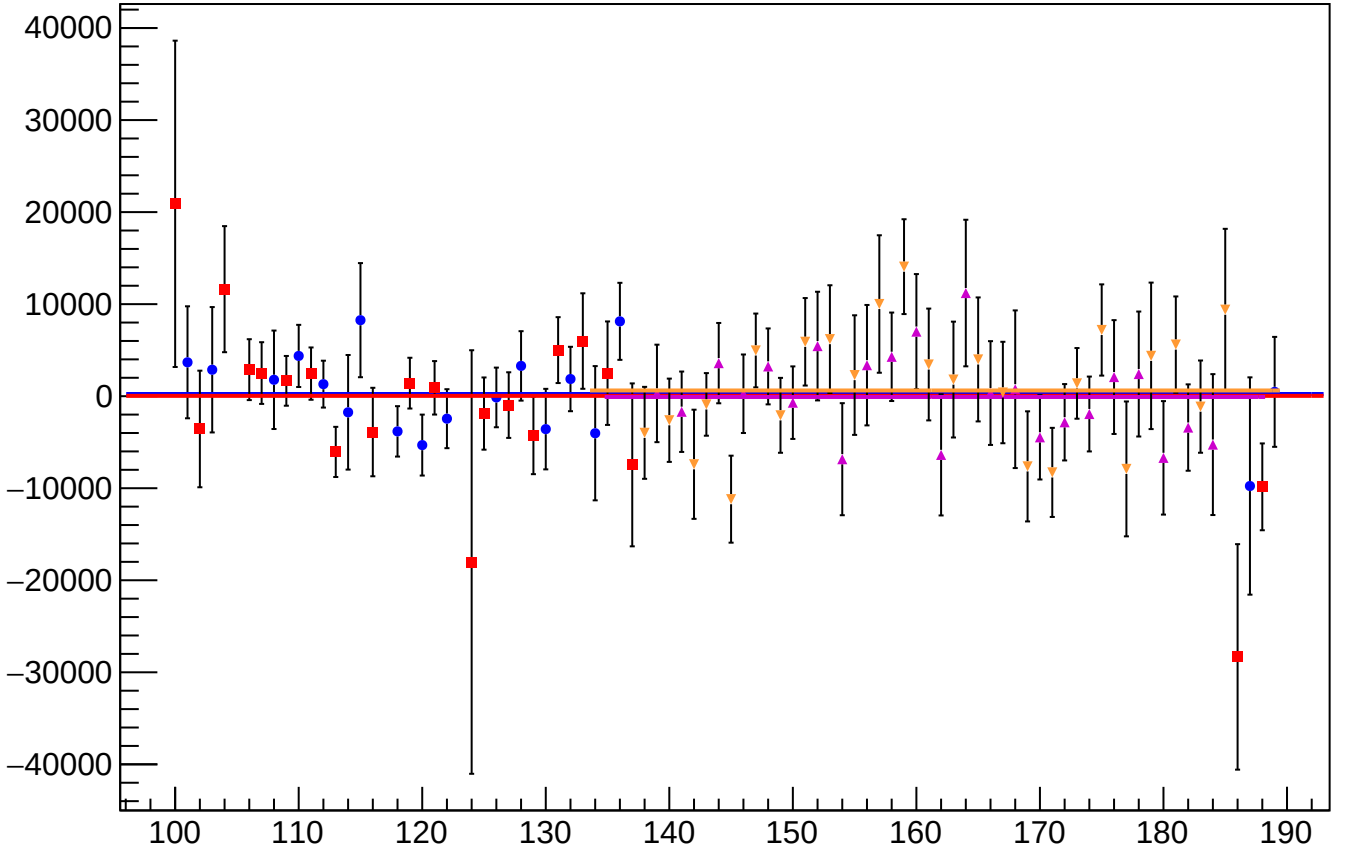
Left In: 1762.405+/-0.291 χ^2/NDF:80090.6/22

+ sign 1735.480+/-0.239 χ^2/NDF: 259537.1/41

All: 1742.555+/-0.169 χ^2/NDF: 576594.6/84

- sign 1749.631+/-0.239 χ^2/NDF: 315305.5/42

asym_atl_dd_dit_correction_mean vs Slug



Right In: 235.882+/-949.252 χ^2/NDF: 16.0/17

Left Out: 619.658+/-1034.658 χ^2/NDF:33.1/24

Right Out: 36.125+/-866.666 χ^2/NDF: 28.8/20

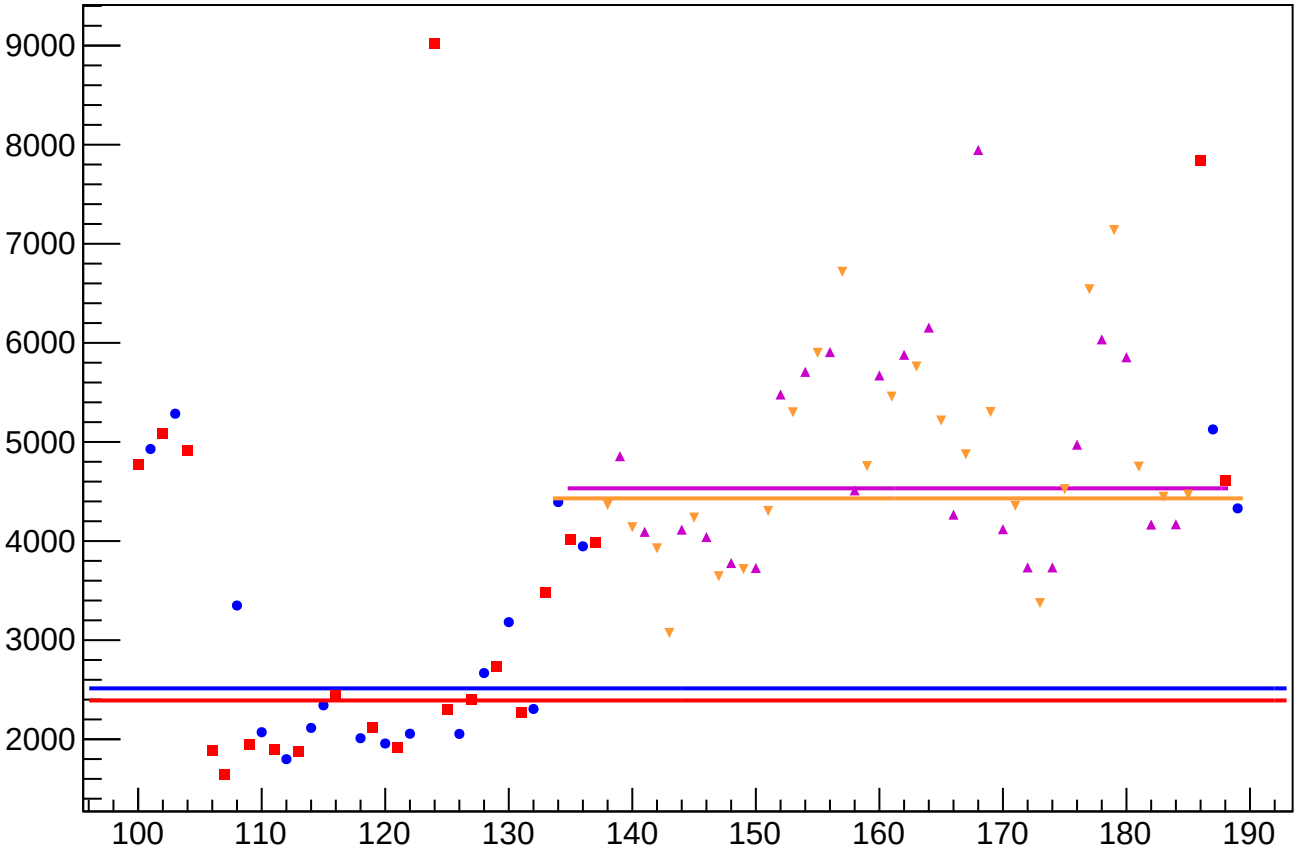
Left In: -85.511+/-1082.508 χ^2/NDF:12.9/22

+ sign 411.280+/-699.470 χ^2/NDF: 49.1/42

All: 192.908+/-486.295 χ^2/NDF: 91.0/86

- sign -11.387+/-676.551 χ^2/NDF: 41.7/43

asym_atl_dd_dit_correction_rms vs Slug



Right In: 2513.431+/-0.671 χ^2/NDF: 1809595.5/17

Left Out: 4430.796+/-0.732 χ^2/NDF:1613272.4/24

Right Out: 2391.497+/-0.613 χ^2/NDF: 2417128.4/20

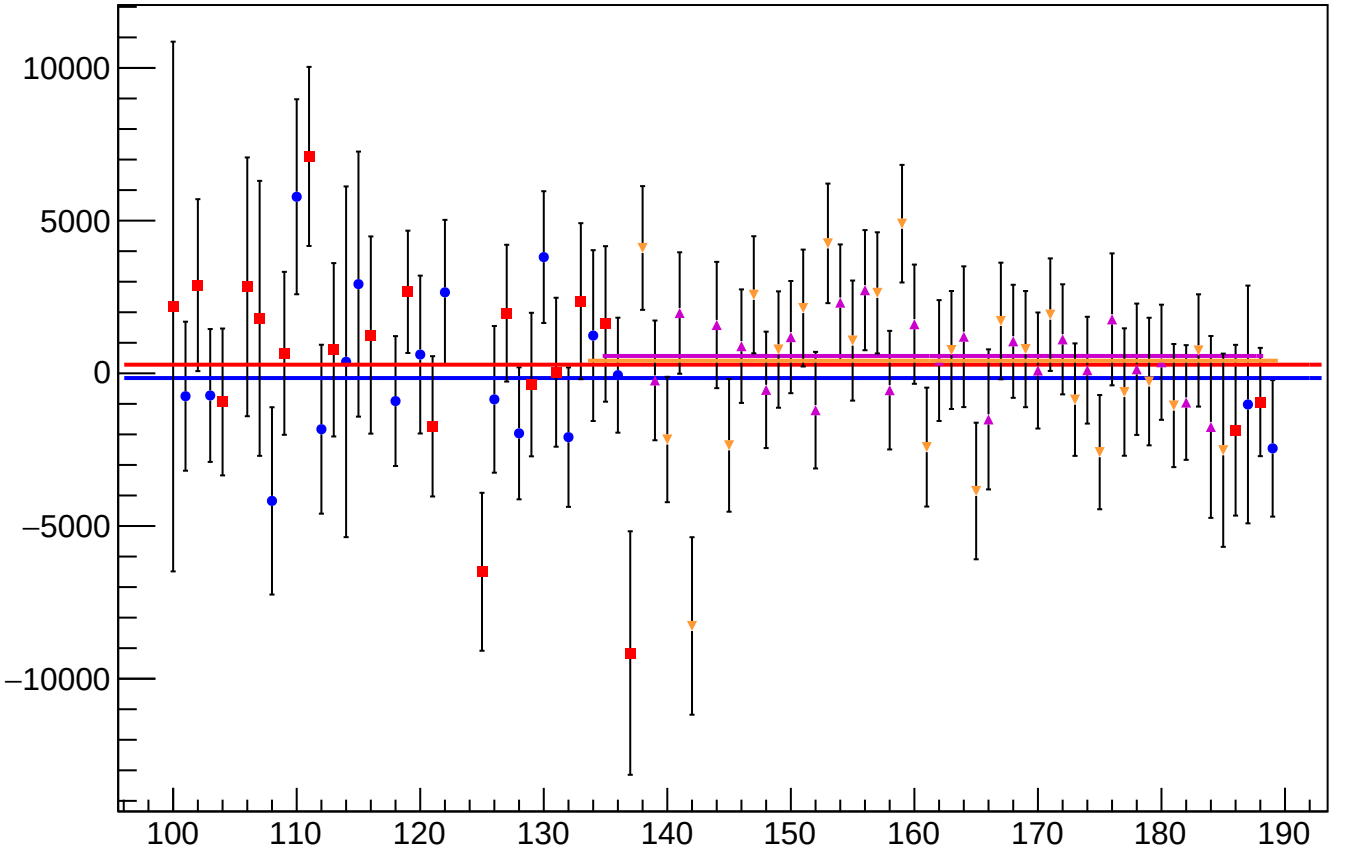
Left In: 4531.944+/-0.765 χ^2/NDF:1376472.2/22

+ sign 3389.726+/-0.495 χ^2/NDF: 7152120.4/42

All: 3305.948+/-0.344 χ^2/NDF: 15766380.0/8

- sign 3227.570+/-0.478 χ^2/NDF: 8558726.3/43

eigen_dit_asym_atl_dd_mean vs Slug



Right In: -154.654+/-595.843 χ^2/NDF: 14.0/17

Left Out: 413.311+/-410.536 χ^2/NDF:40.0/23

Right Out: 283.309+/-592.610 χ^2/NDF: 24.5/19

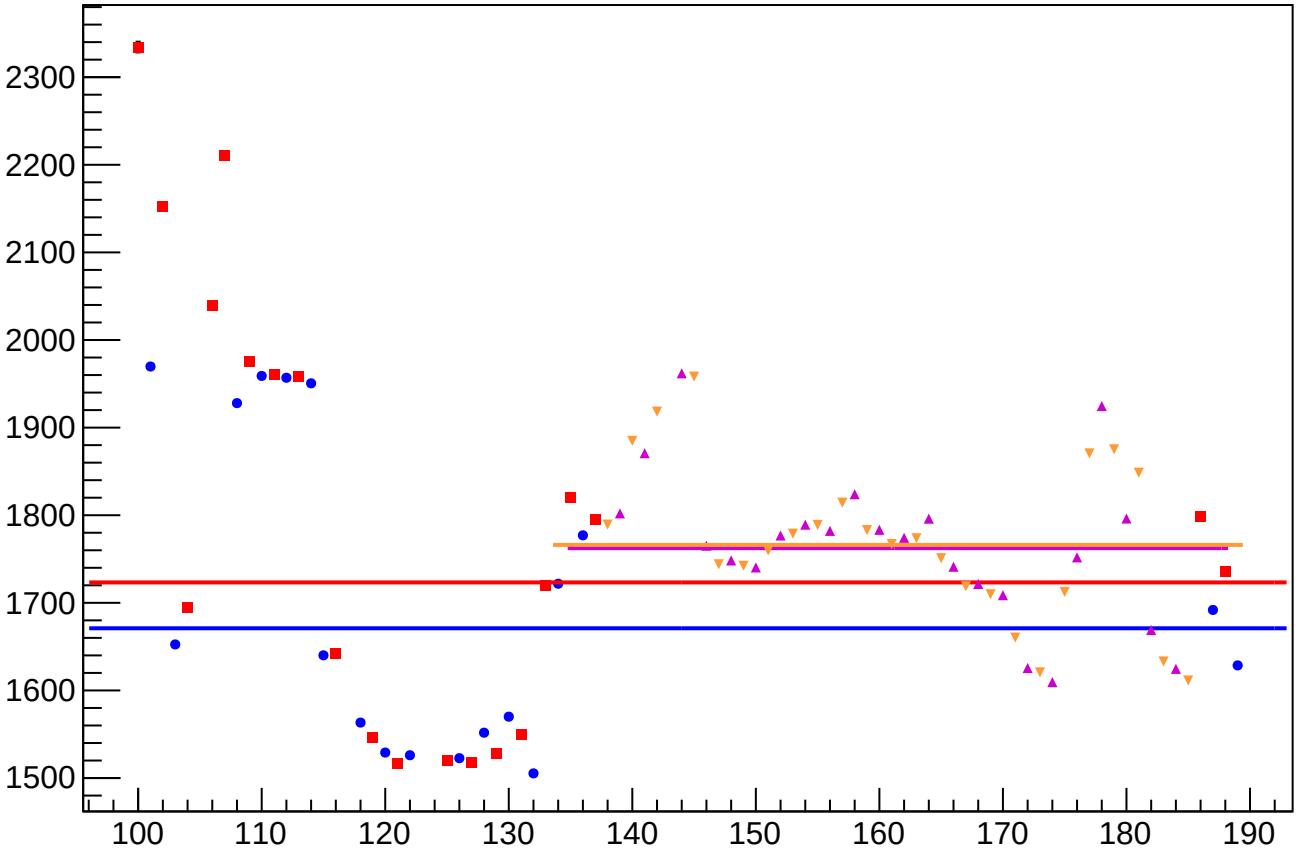
Left In: 568.821+/-412.052 χ^2/NDF:7.7/22

\+ sign 230.480+/-338.062 χ^2/NDF: 54.6/41

All: 353.036+/-239.133 χ^2/NDF: 87.3/84

\- sign 475.772+/-338.309 χ^2/NDF: 32.4/42

eigen_dit_asym_atl_dd_rms vs Slug



Right In: 1670.947+/-0.421 χ^2/NDF: 141688.1/17

Left Out: 1766.116+/-0.290 χ^2/NDF:83255.3/23

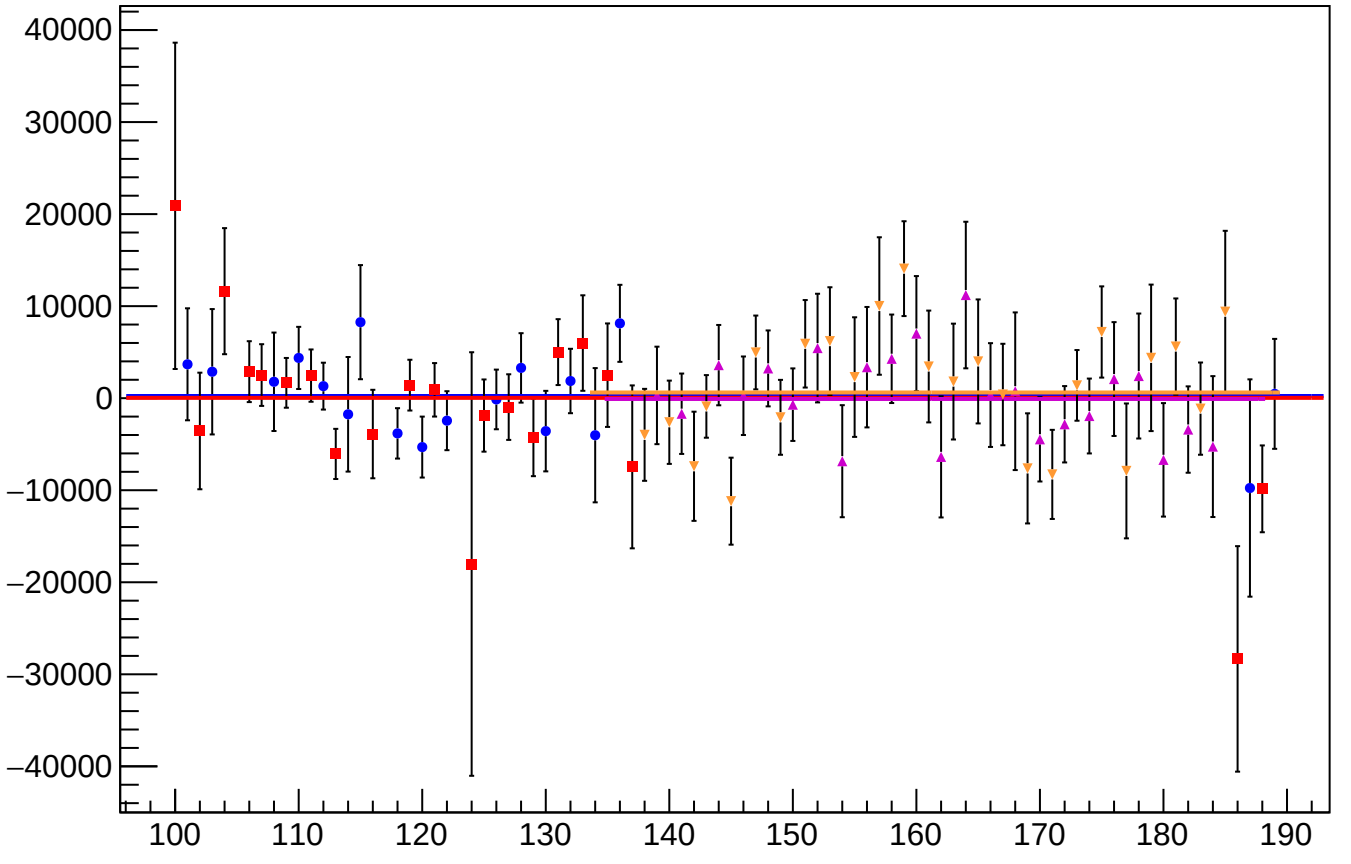
Right Out: 1723.311+/-0.418 χ^2/NDF: 229331.3/19

Left In: 1762.406+/-0.291 χ^2/NDF:80093.2/22

+ sign 1735.481+/-0.239 χ^2/NDF: 259541.0/41

All: 1742.555+/-0.169 χ^2/NDF: 576600.7/84

- sign 1749.631+/-0.239 χ^2/NDF: 315307.8/42



Right In: 235.877+/-949.249 χ^2/NDF: 16.0/17

Left Out: 619.663+/-1034.659 χ^2/NDF:33.1/24

Right Out: 36.130+/-866.663 χ^2/NDF: 28.8/20

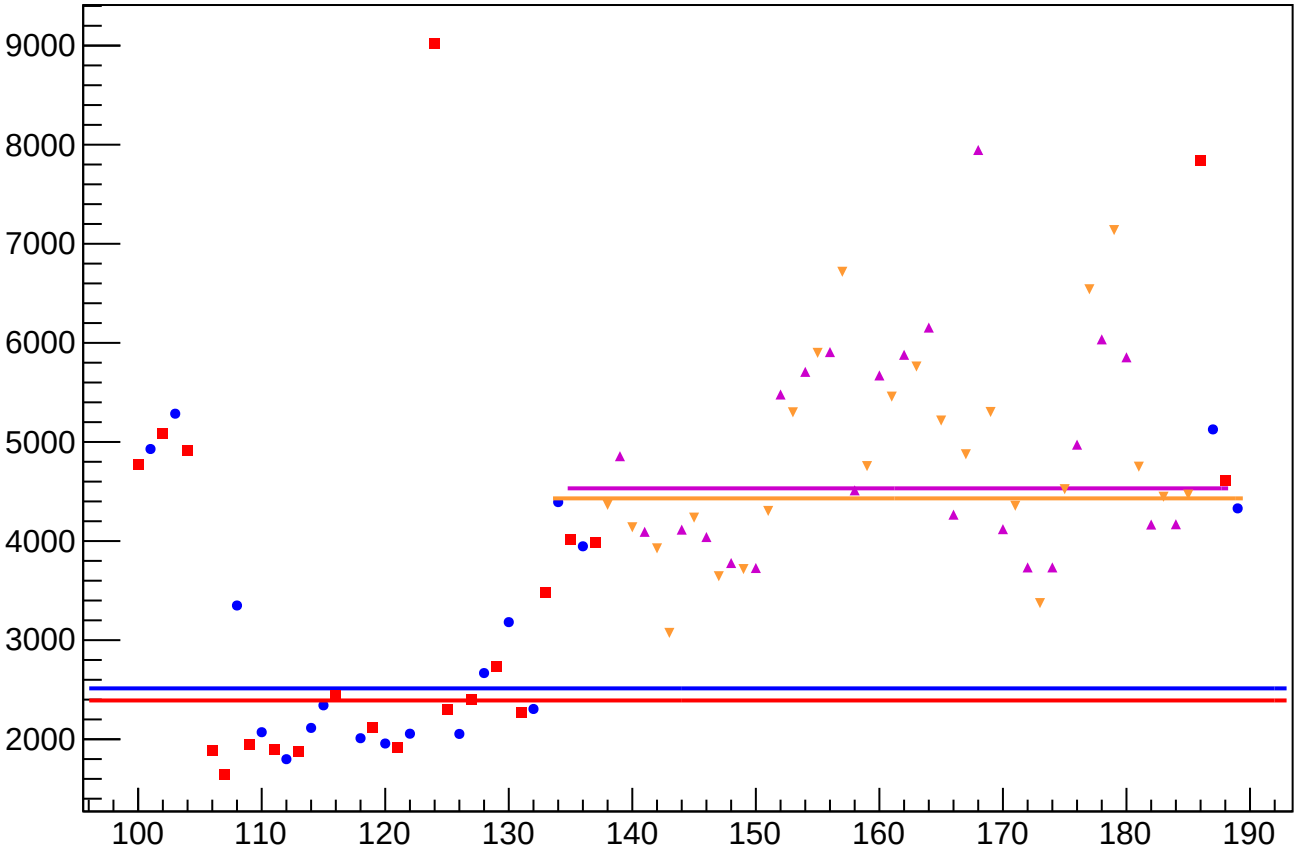
Left In: -85.511+/-1082.509 χ^2/NDF:12.9/22

+ sign 411.278+/-699.469 χ^2/NDF: 49.1/42

All: 192.909+/-486.294 χ^2/NDF: 91.0/86

- sign -11.384+/-676.550 χ^2/NDF: 41.7/43

asym_atl_dd_eigen_dit_correction_rms vs Slug



Right In: 2513.420+/-0.671 χ^2/NDF: 1809611.2/17

Left Out: 4430.803+/-0.732 χ^2/NDF:1613274.9/24

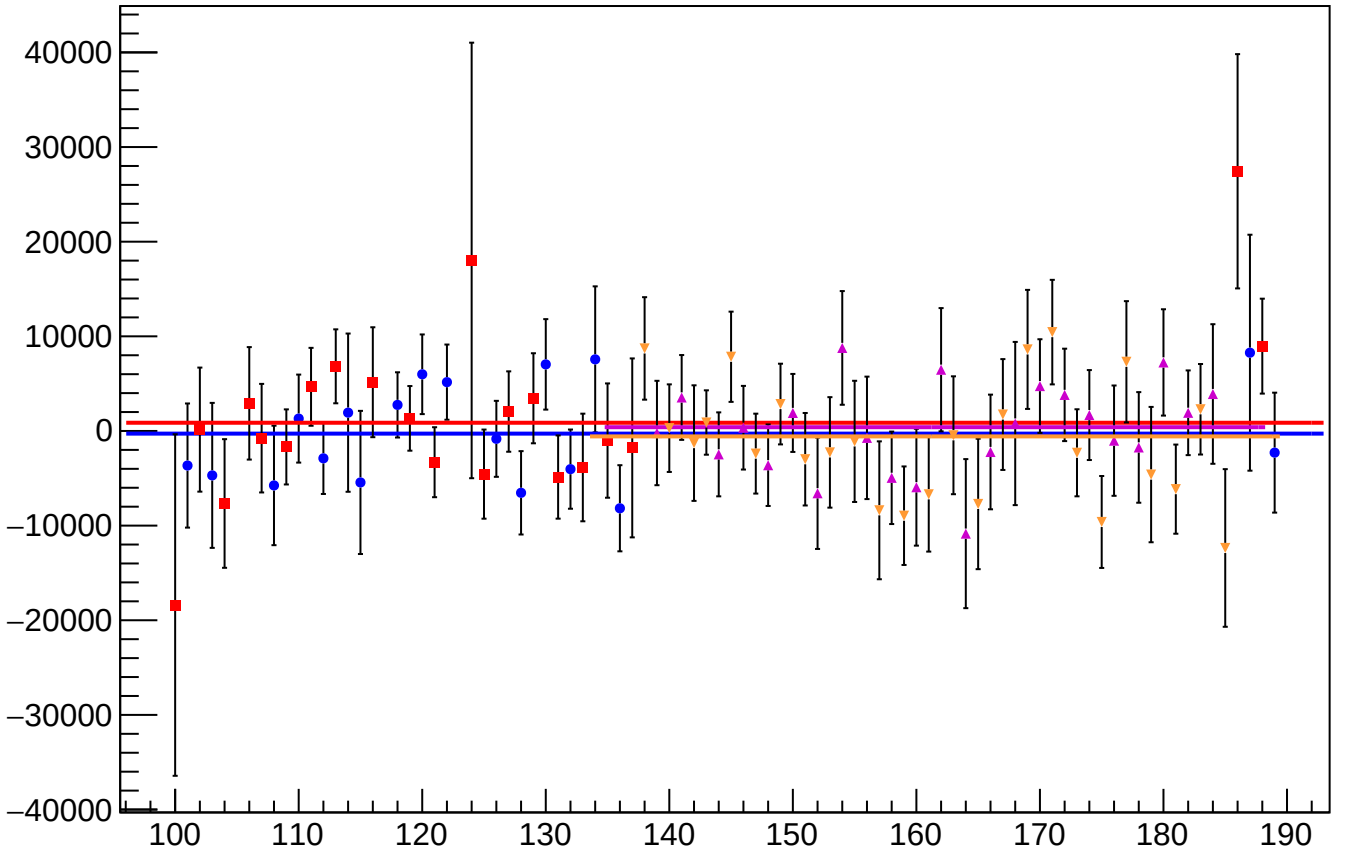
Right Out: 2391.488+/-0.613 χ^2/NDF: 2417142.4/20

Left In: 4531.951+/-0.765 χ^2/NDF:1376473.4/22

+ sign 3389.718+/-0.495 χ^2/NDF: 7152214.5/42

All: 3305.940+/-0.344 χ^2/NDF: 15766564.3/8

- sign 3227.562+/-0.478 χ^2/NDF: 8558816.5/43



Right In: -280.157+/-1171.314 χ^2/NDF: 17.1/17

Left Out: -573.122+/-1054.836 χ^2/NDF:28.8/24

Right Out: 868.761+/-1119.759 χ^2/NDF: 20.4/20

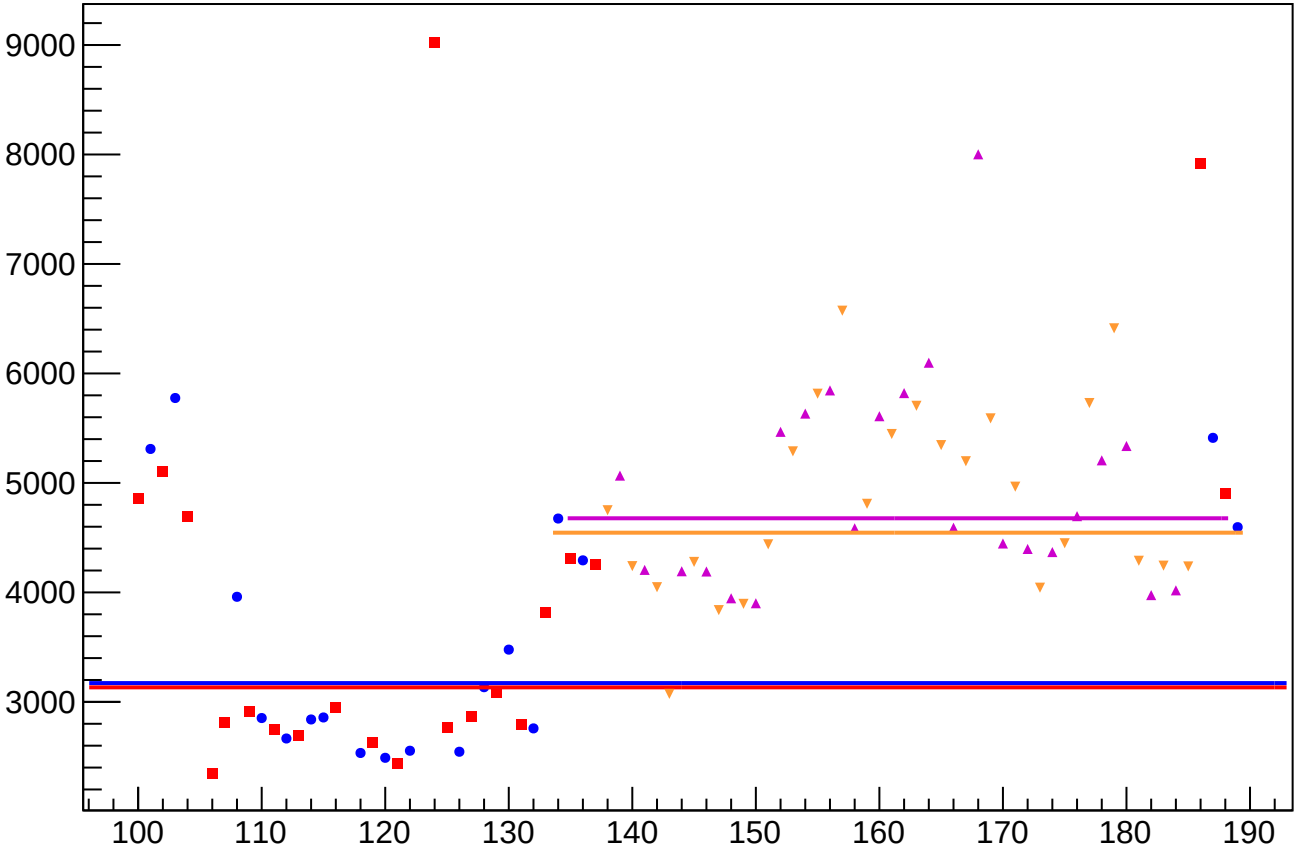
Left In: 398.404+/-1109.490 χ^2/NDF:14.0/22

+ sign -441.927+/-783.836 χ^2/NDF: 46.0/42

All: 91.810+/-555.769 χ^2/NDF: 81.4/86

- sign 631.416+/-788.134 χ^2/NDF: 34.5/43

asym_atl_dd_rms vs Slug



Right In: 3171.652+/-0.828 χ^2/NDF: 1136425.6/17

Left Out: 4545.493+/-0.746 χ^2/NDF:1258528.5/24

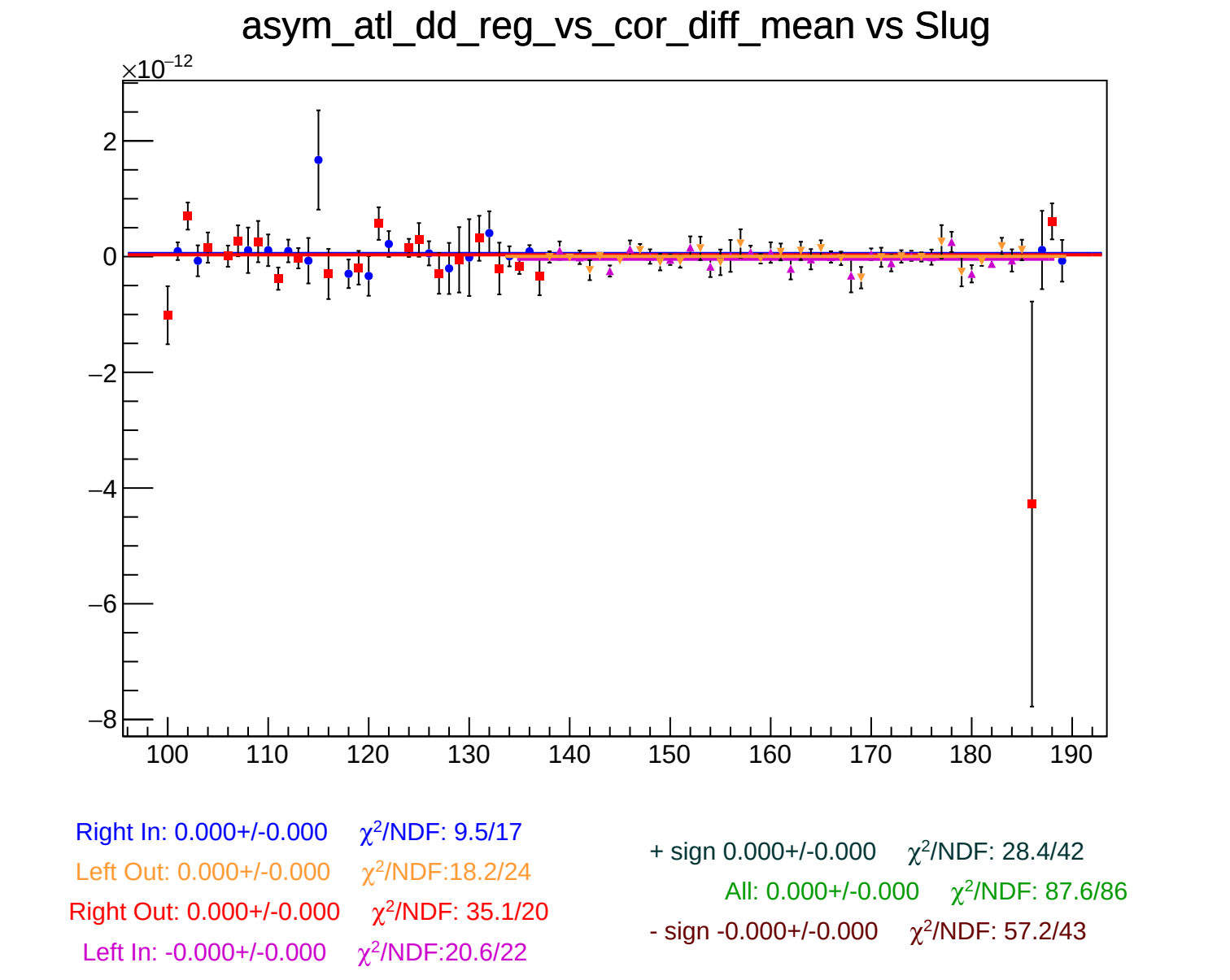
Right Out: 3132.631+/-0.782 χ^2/NDF: 1383215.9/20

Left In: 4677.049+/-0.785 χ^2/NDF:959885.7/22

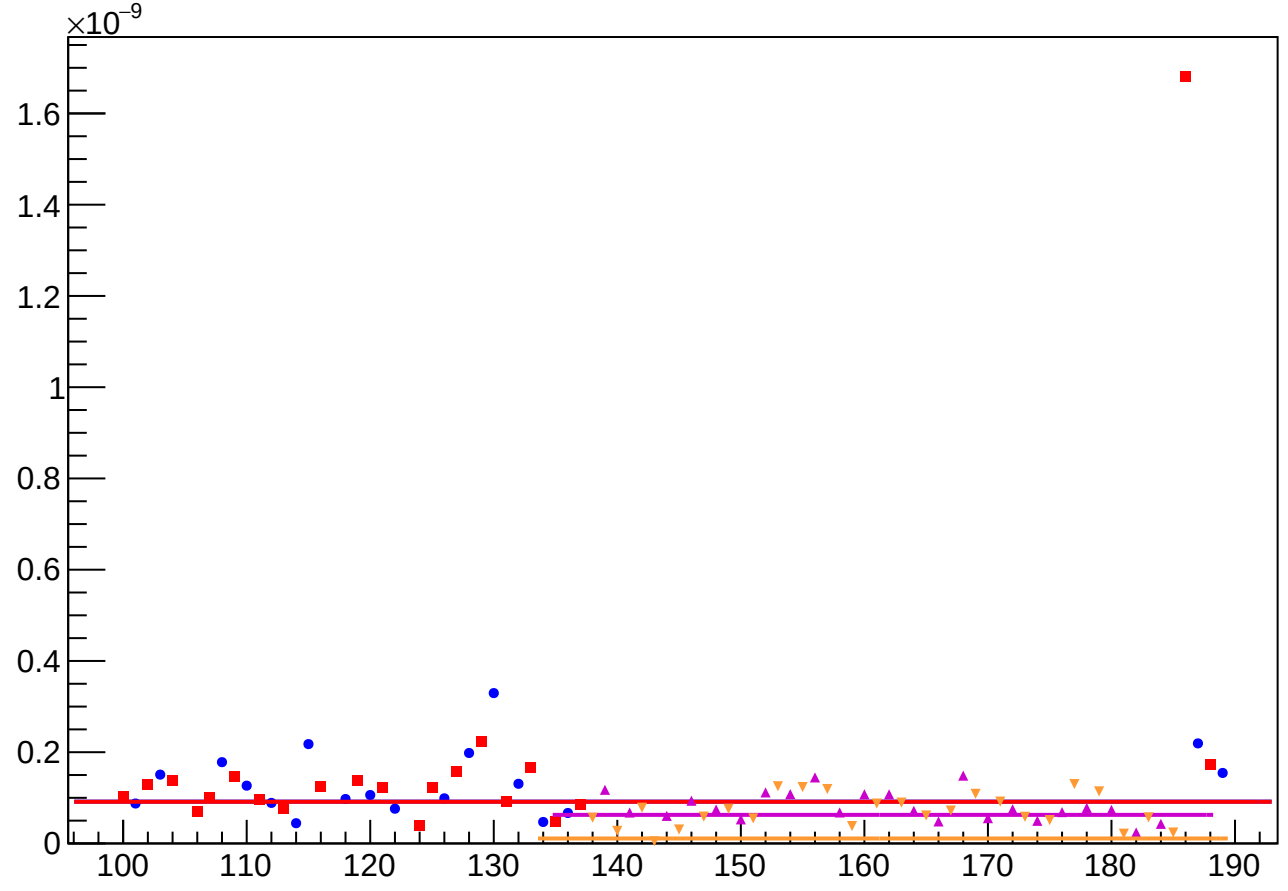
+ sign 3930.258+/-0.554 χ^2/NDF: 3914232.7/42

All: 3916.147+/-0.392 χ^2/NDF: 8203288.1/86

- sign 3902.061+/-0.554 χ^2/NDF: 4287760.1/43


asym_atl_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
2
0
−2
−4
−6
−8
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 9.5/17
Left Out: 0.000+/-0.000 χ²/NDF:18.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 35.1/20
Left In: -0.000+/-0.000 χ²/NDF:20.6/22
+ sign 0.000+/-0.000 χ²/NDF: 28.4/42
All: 0.000+/-0.000 χ²/NDF: 87.6/86
- sign -0.000+/-0.000 χ²/NDF: 57.2/43

asym_atl_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1085035.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:9705530.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1566394.0/20

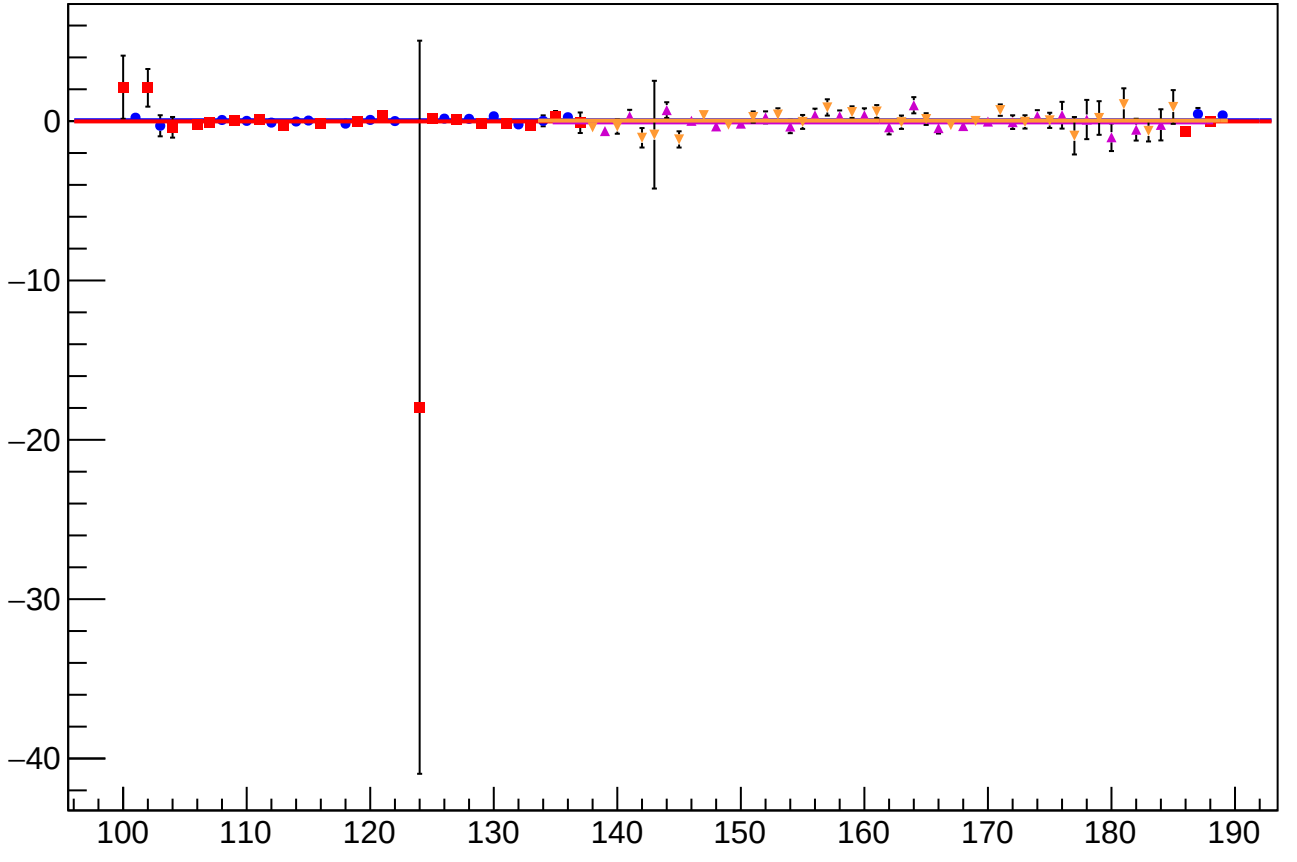
Left In: 0.000+/-0.000 χ^2/NDF:2092071.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 14919821.5/42

All: 0.000+/-0.000 χ^2/NDF: 28854116.1/86

- sign 0.000+/-0.000 χ^2/NDF: 4105314.9/43

asym_atl_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.058+/-0.043 χ^2/NDF: 13.9/17

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.017+/-0.038 χ^2/NDF: 27.9/20

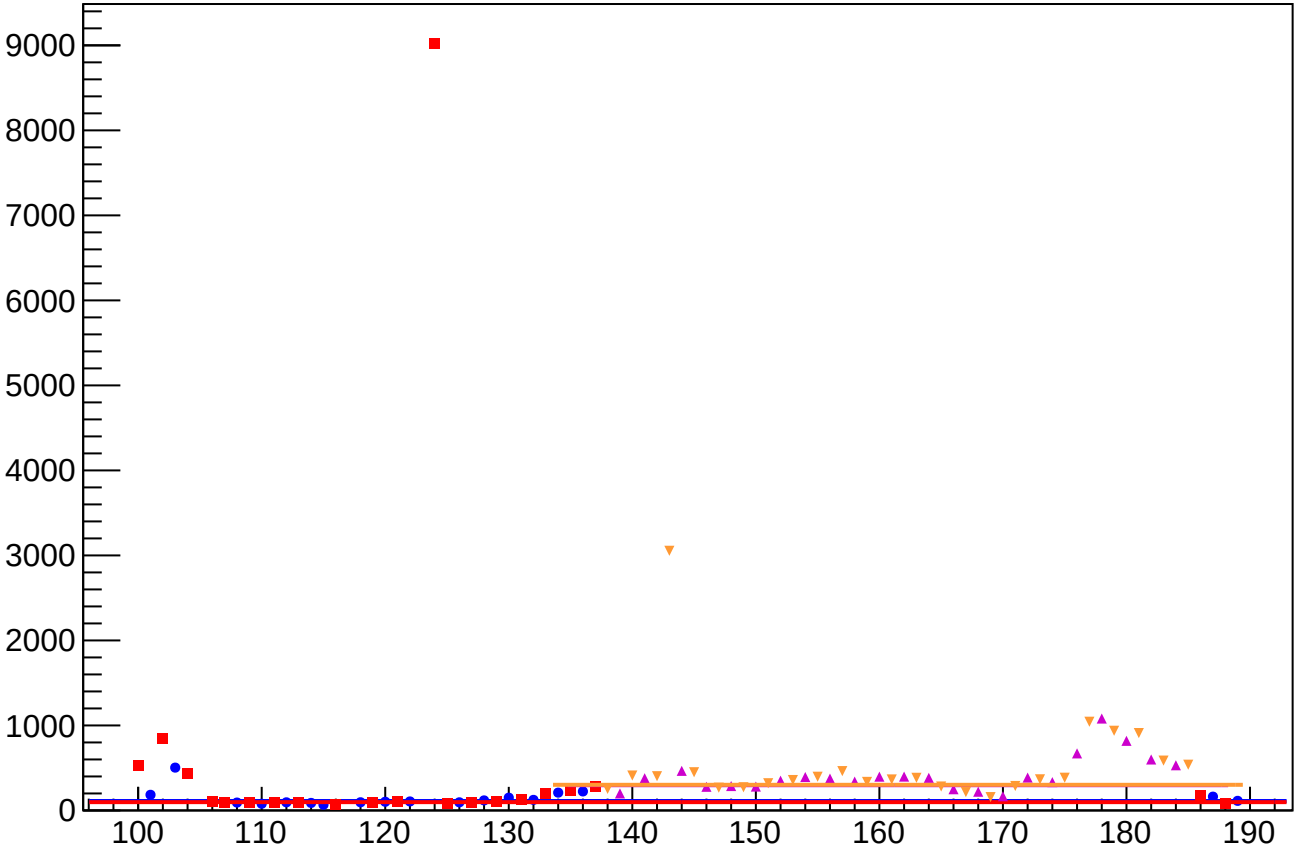
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.053+/-0.038 χ^2/NDF: 43.6/42

All: 0.008+/-0.025 χ^2/NDF: 98.7/86

- sign -0.029+/-0.034 χ^2/NDF: 52.5/43

asym_atl_dd_dit_vs_cor_diff_rms vs Slug



Right In: 110.889+/-0.031 χ^2/NDF: 1968366.4/17

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 97.815+/-0.027 χ^2/NDF: 2883178.8/20

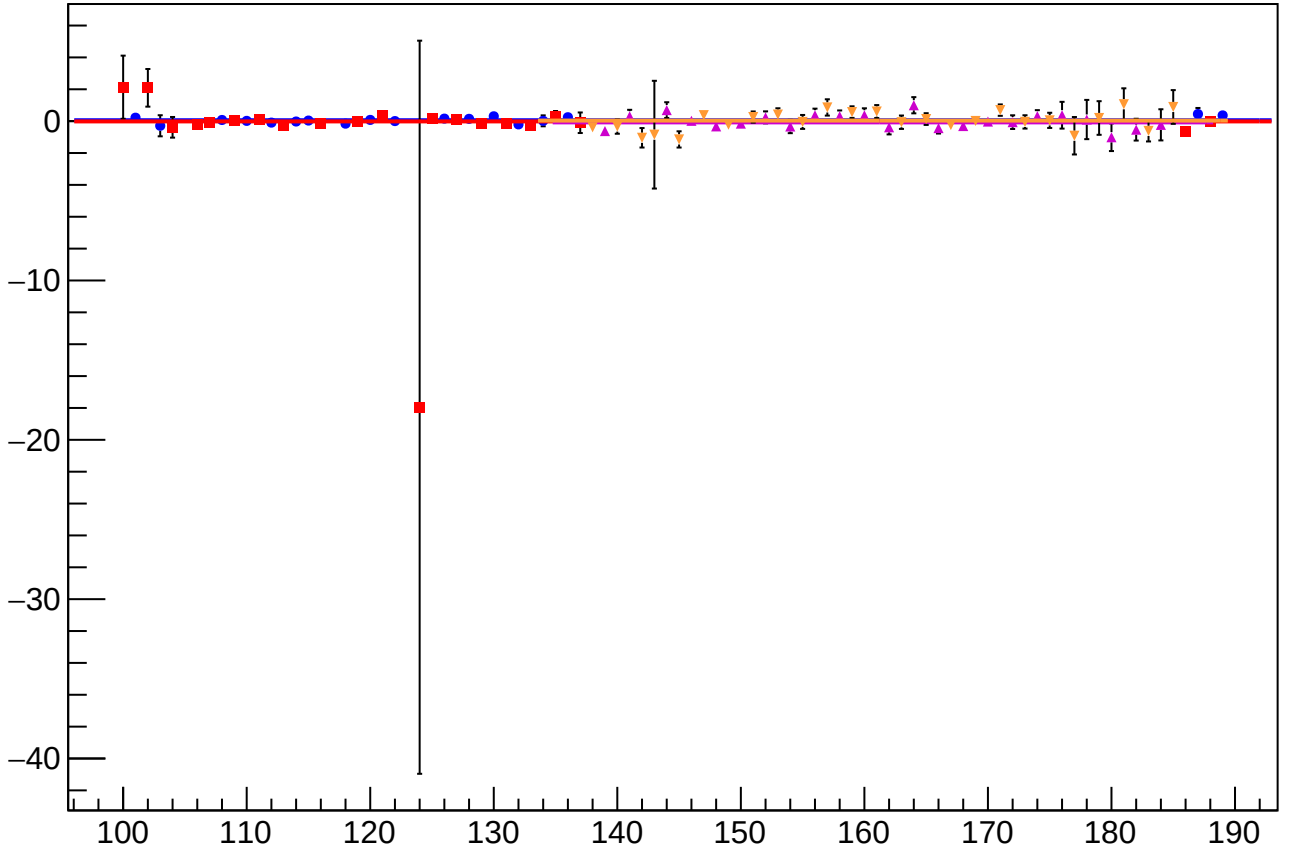
Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

+ sign 156.813+/-0.027 χ^2/NDF: 18007912.2/42

All: 146.392+/-0.018 χ^2/NDF: 37116564.0/86

- sign 137.933+/-0.024 χ^2/NDF: 18832344.7/43

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.058+/-0.043 χ^2/NDF: 13.9/17

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.017+/-0.038 χ^2/NDF: 27.9/20

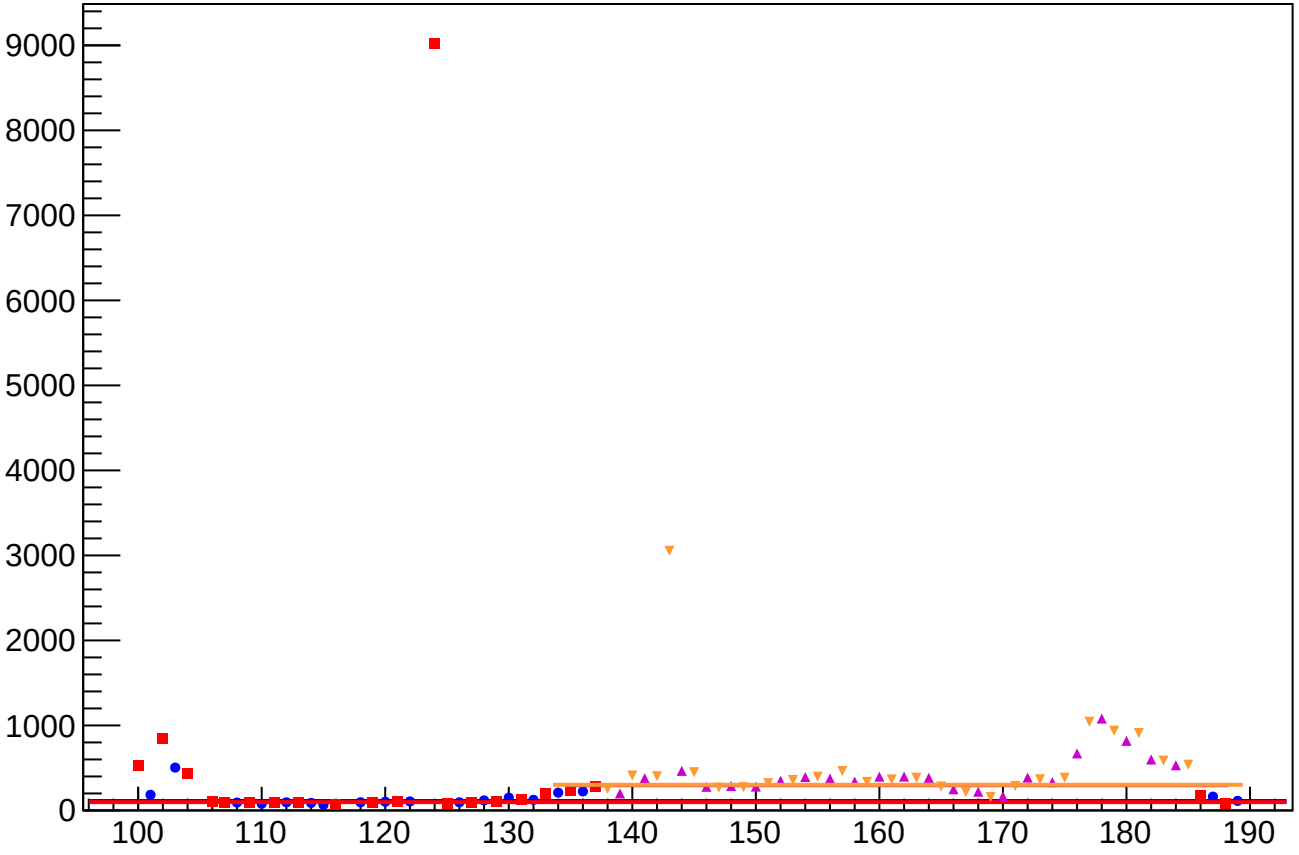
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.053+/-0.038 χ^2/NDF: 43.6/42

All: 0.008+/-0.025 χ^2/NDF: 98.7/86

- sign -0.029+/-0.034 χ^2/NDF: 52.5/43

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 110.889+/-0.031 χ^2/NDF: 1968366.4/17

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 97.815+/-0.027 χ^2/NDF: 2883178.8/20

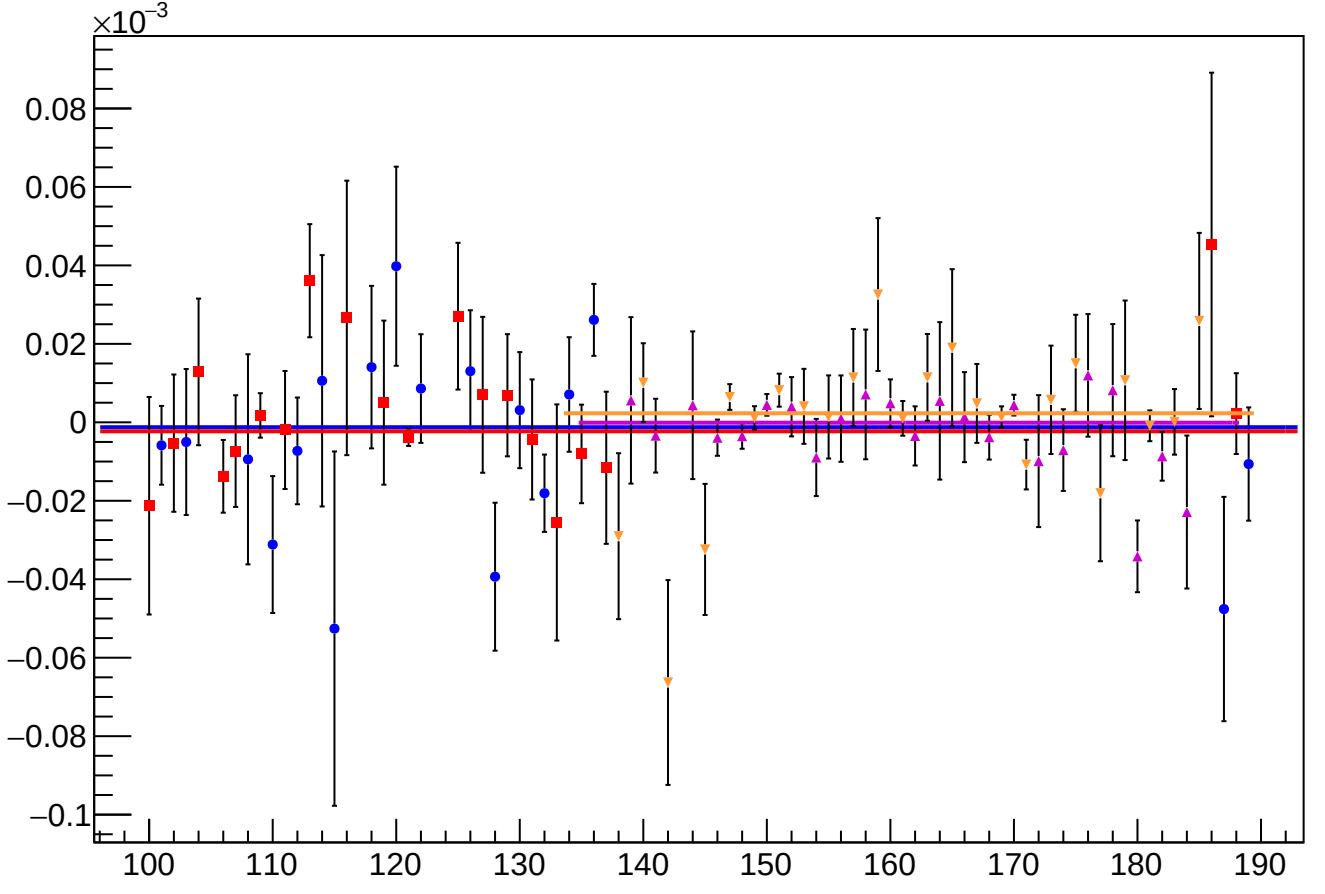
Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

+ sign 156.813+/-0.027 χ^2/NDF: 18007912.2/42

All: 146.392+/-0.018 χ^2/NDF: 37116564.0/86

- sign 137.933+/-0.024 χ^2/NDF: 18832344.7/43

asym_atl_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 28.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:31.2/23

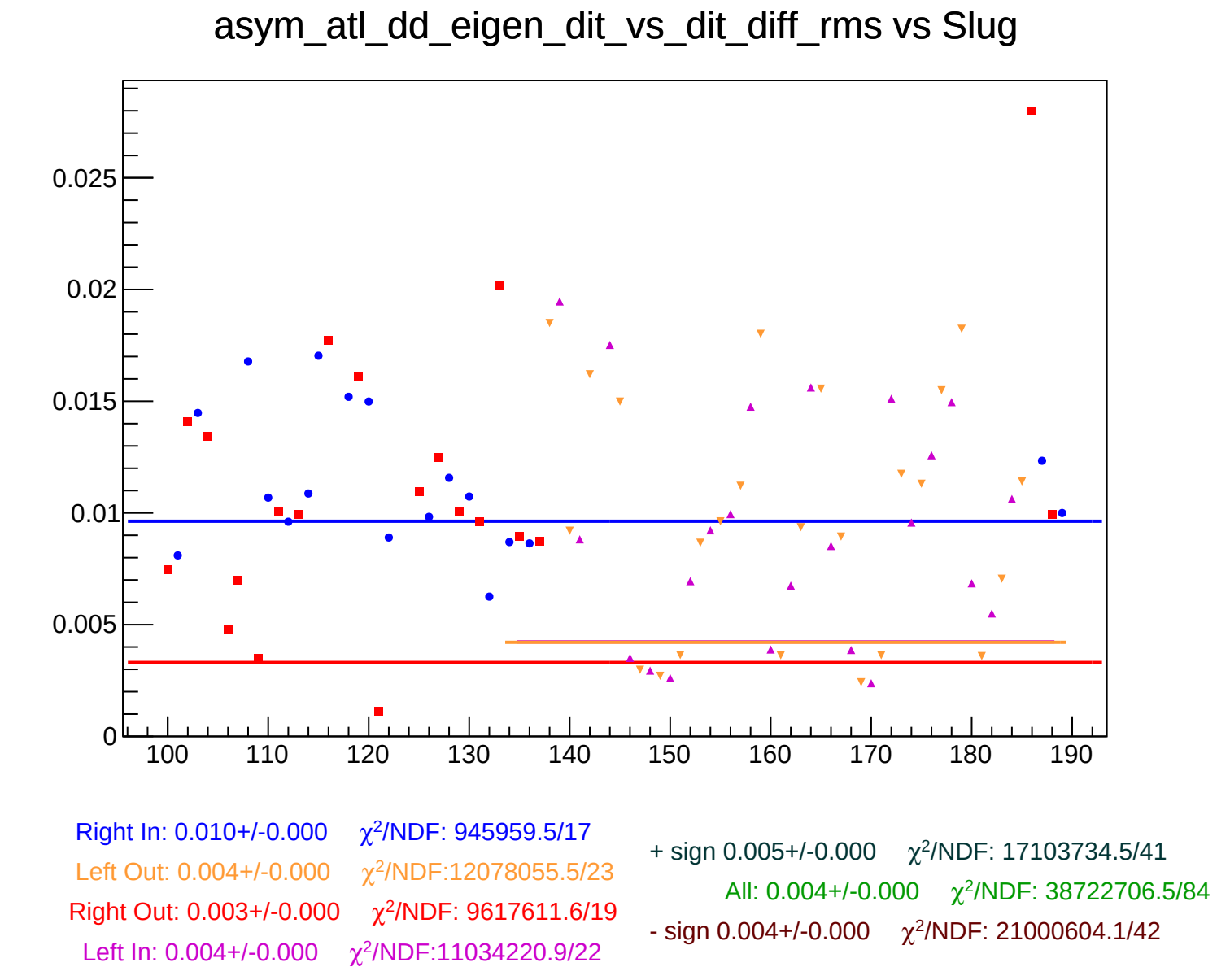
Right Out: -0.000+/-0.000 χ^2/NDF: 17.2/19

Left In: -0.000+/-0.000 χ^2/NDF:29.1/22

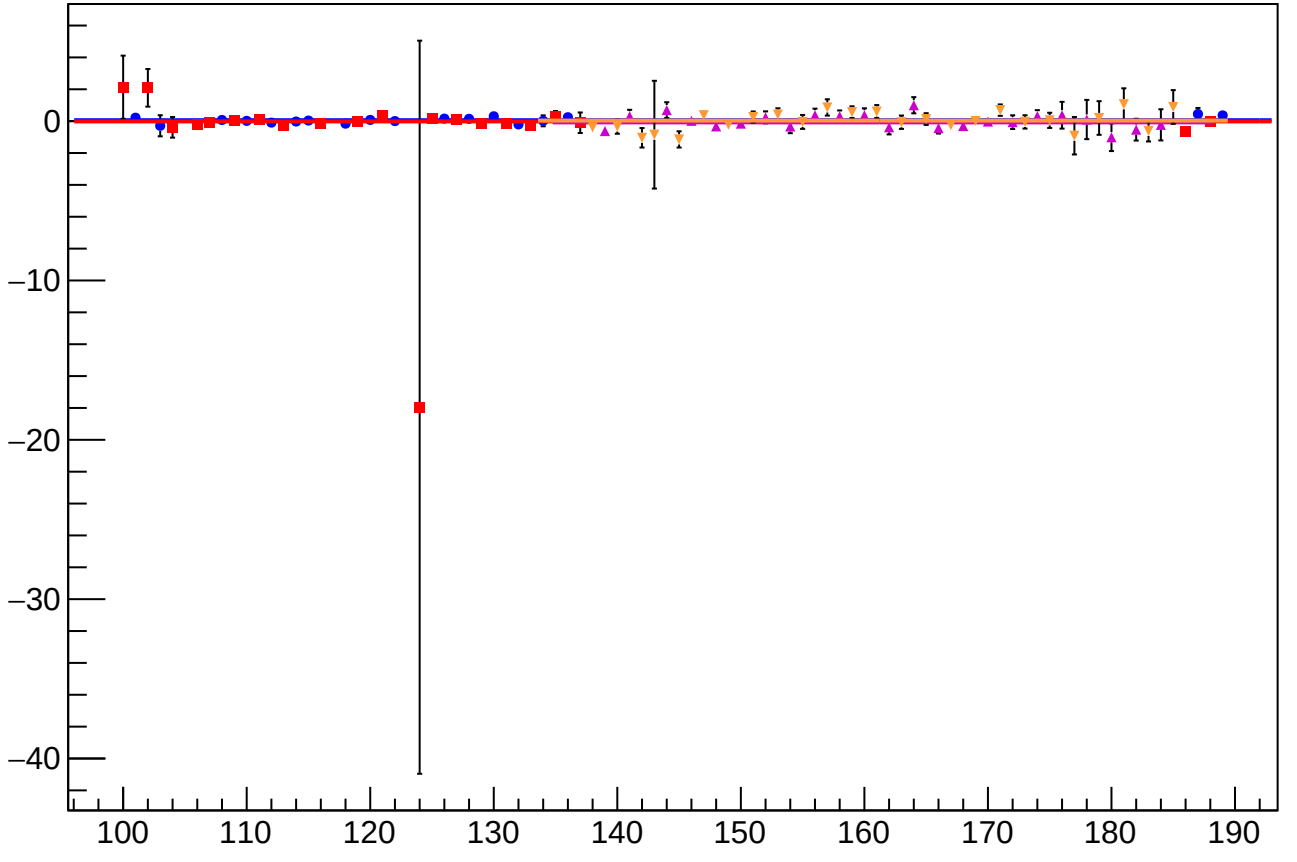
+ sign 0.000+/-0.000 χ^2/NDF: 60.8/41

All: 0.000+/-0.000 χ^2/NDF: 111.1/84

- sign -0.000+/-0.000 χ^2/NDF: 47.2/42


asym_atl_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.010+/-0.000 χ²/NDF: 945959.5/17
Left Out: 0.004+/-0.000 χ²/NDF:12078055.5/23
Right Out: 0.003+/-0.000 χ²/NDF: 9617611.6/19
Left In: 0.004+/-0.000 χ²/NDF:11034220.9/22
+ sign 0.005+/-0.000 χ²/NDF: 17103734.5/41
All: 0.004+/-0.000 χ²/NDF: 38722706.5/84
- sign 0.004+/-0.000 χ²/NDF: 21000604.1/42

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.058+/-0.043 χ^2/NDF: 13.9/17

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.017+/-0.038 χ^2/NDF: 27.9/20

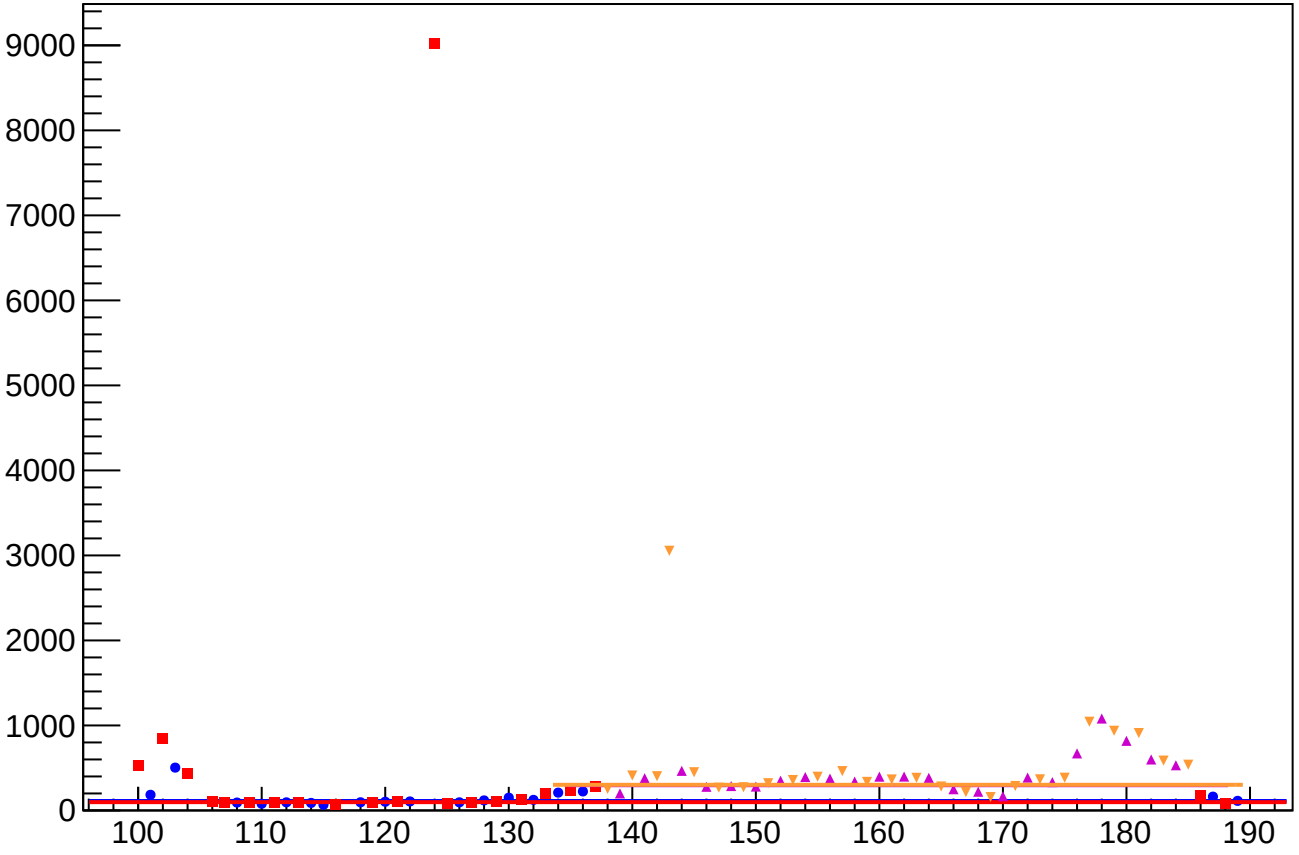
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.053+/-0.038 χ^2/NDF: 43.6/42

All: 0.008+/-0.025 χ^2/NDF: 98.7/86

- sign -0.029+/-0.034 χ^2/NDF: 52.5/43

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 110.889+/-0.031 χ^2/NDF: 1968298.5/17

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

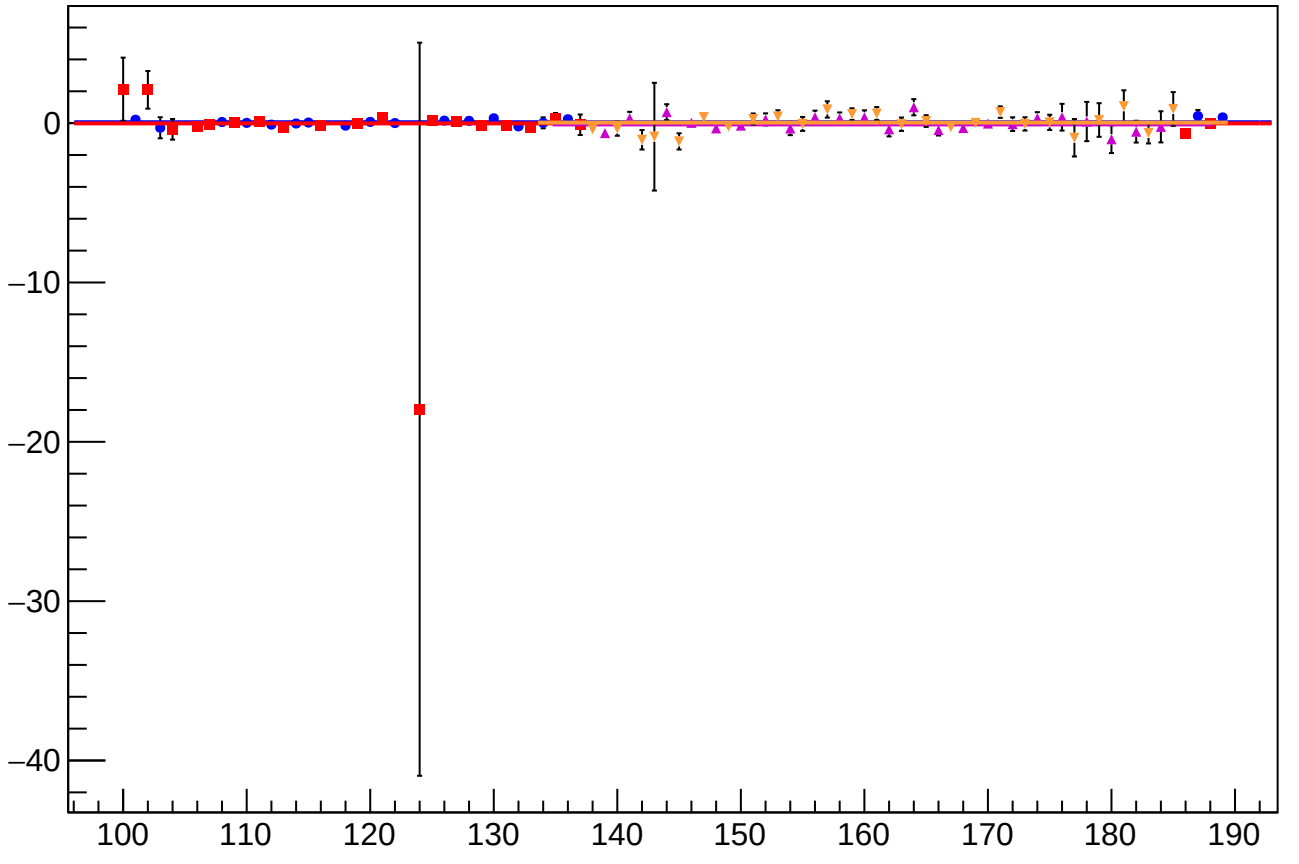
Right Out: 97.816+/-0.027 χ^2/NDF: 2883059.4/20

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 156.813+/-0.027 χ^2/NDF: 18007953.0/42

All: 146.393+/-0.018 χ^2/NDF: 37116422.4/86

- sign 137.934+/-0.024 χ^2/NDF: 18832199.7/43



Right In: 0.058+/-0.043 χ^2/NDF: 13.9/17

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

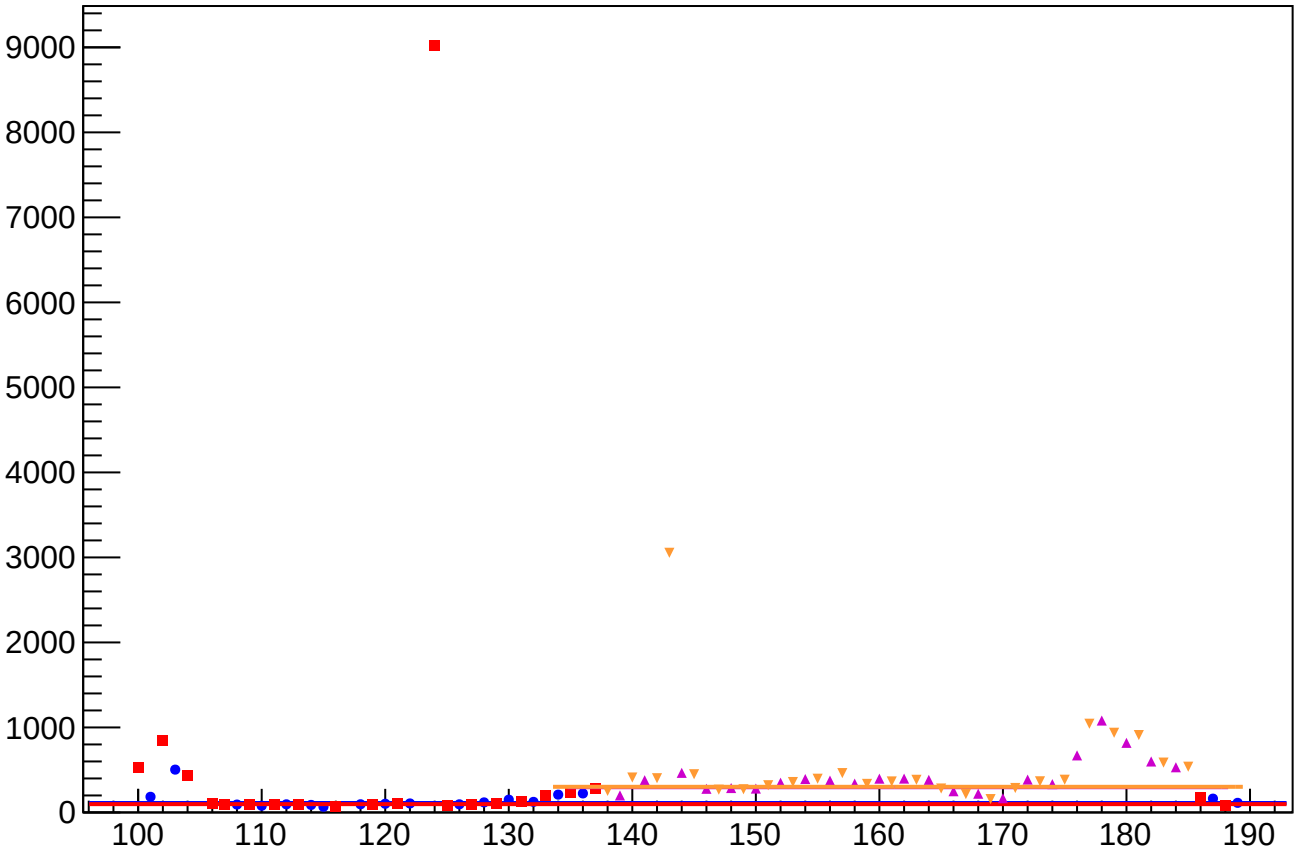
Right Out: -0.017+/-0.038 χ^2/NDF: 27.9/20

Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.053+/-0.038 χ^2/NDF: 43.6/42

All: 0.008+/-0.025 χ^2/NDF: 98.7/86

- sign -0.029+/-0.034 χ^2/NDF: 52.5/43



Right In: 110.889+/-0.031 χ^2/NDF: 1968298.5/17

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

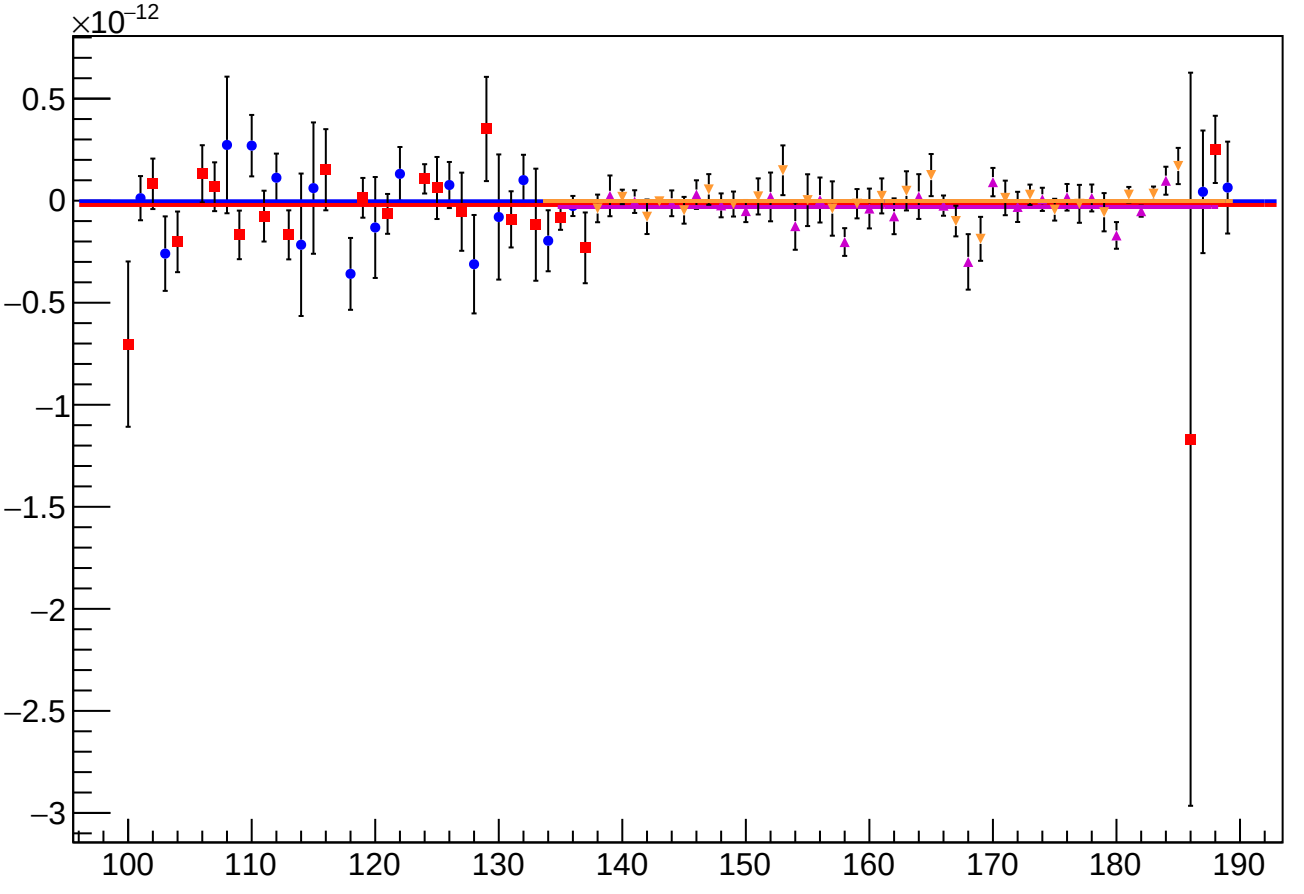
Right Out: 97.816+/-0.027 χ^2/NDF: 2883059.4/20

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 156.813+/-0.027 χ^2/NDF: 18007953.0/42

All: 146.393+/-0.018 χ^2/NDF: 37116422.4/86

- sign 137.934+/-0.024 χ^2/NDF: 18832199.7/43



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:17.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.9/20

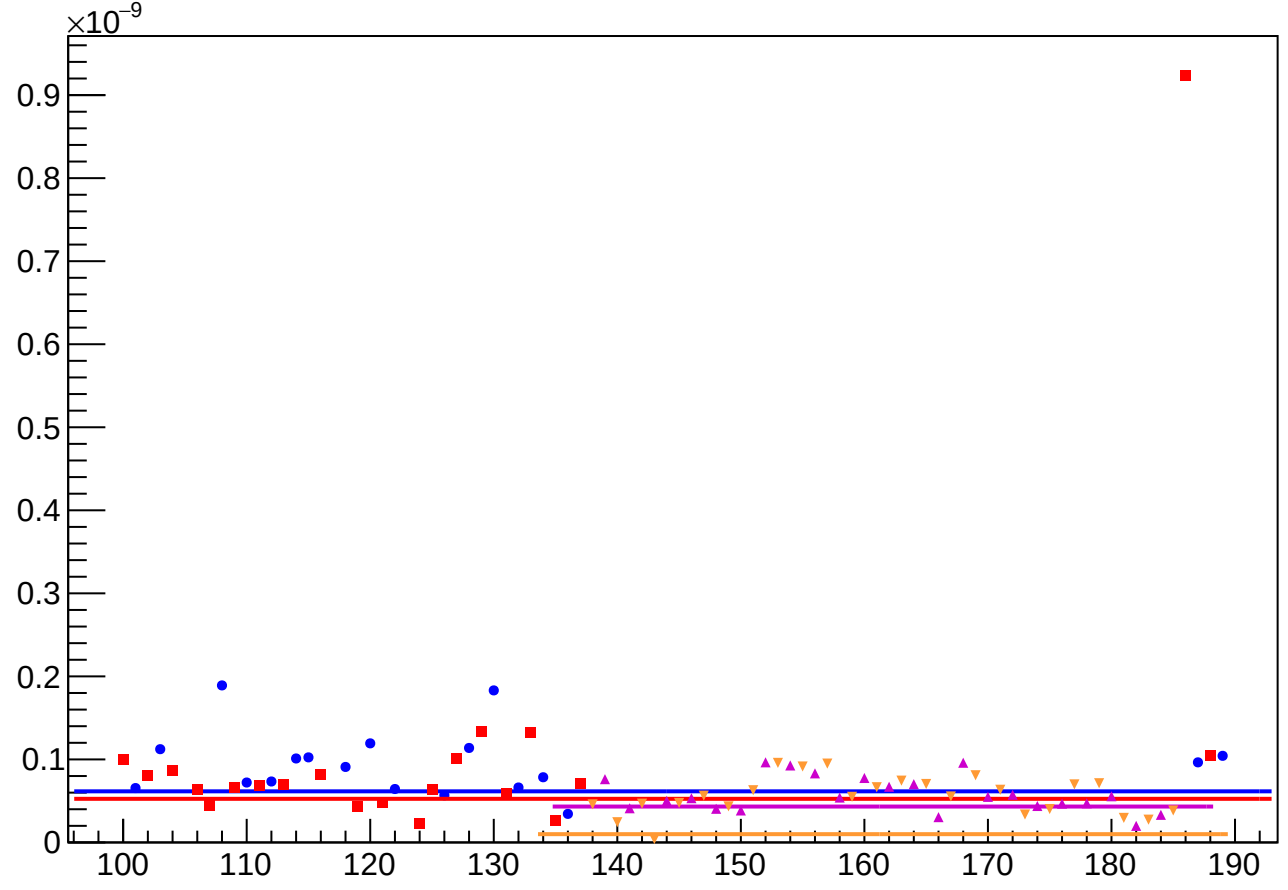
Left In: -0.000+/-0.000 χ^2/NDF:26.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.3/42

All: -0.000+/-0.000 χ^2/NDF: 89.1/86

- sign -0.000+/-0.000 χ^2/NDF: 49.3/43

asym_atl_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1848325.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:18523402.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2343843.1/20

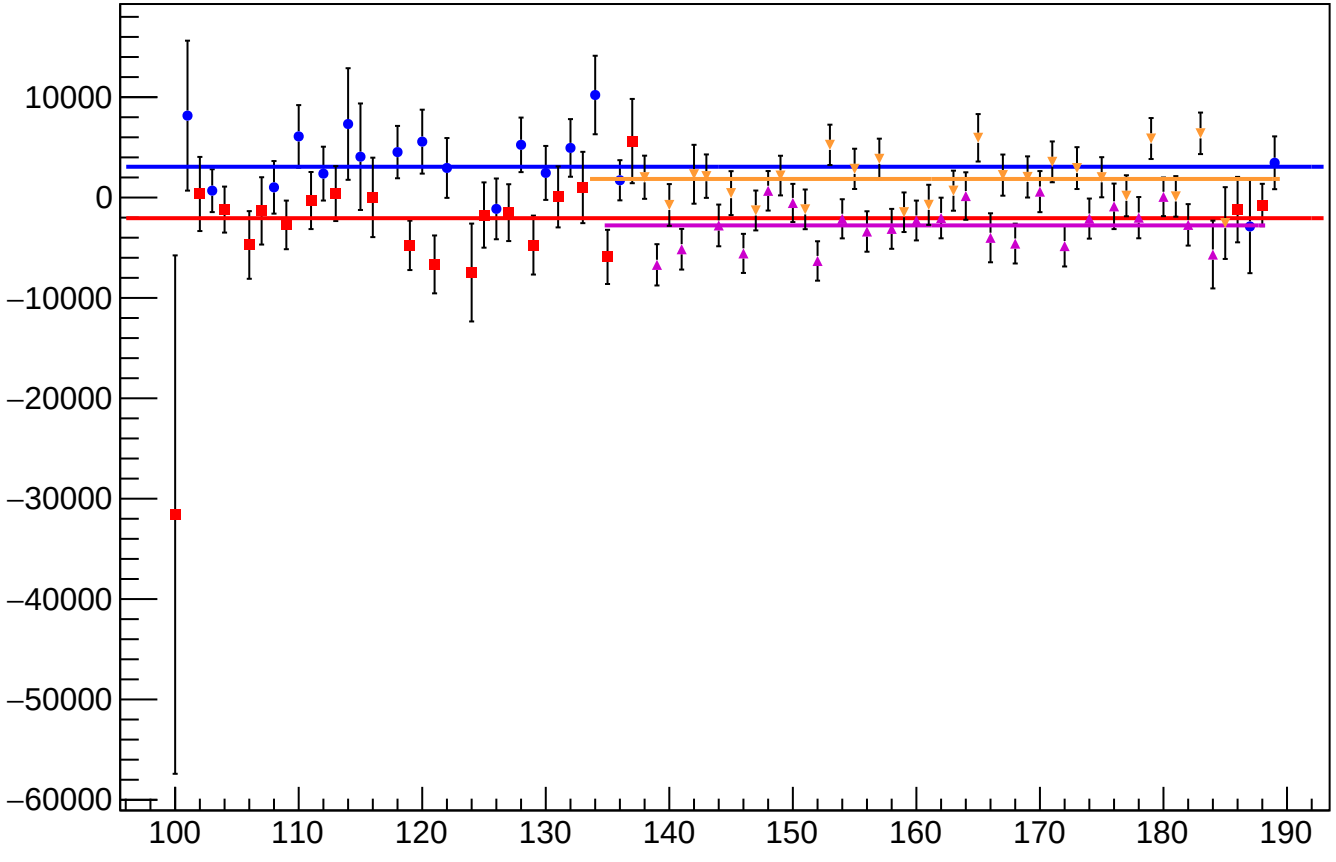
Left In: 0.000+/-0.000 χ^2/NDF:4049081.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 25668929.0/42

All: 0.000+/-0.000 χ^2/NDF: 45848004.8/86

- sign 0.000+/-0.000 χ^2/NDF: 6585922.8/43

reg_asym_atr_avg_mean vs Slug



Right In: 3067.415+/-696.498 χ^2/NDF: 13.4/17

Left Out: 1851.999+/-420.006 χ^2/NDF:31.5/24

Right Out: -2056.353+/-659.750 χ^2/NDF: 17.0/20

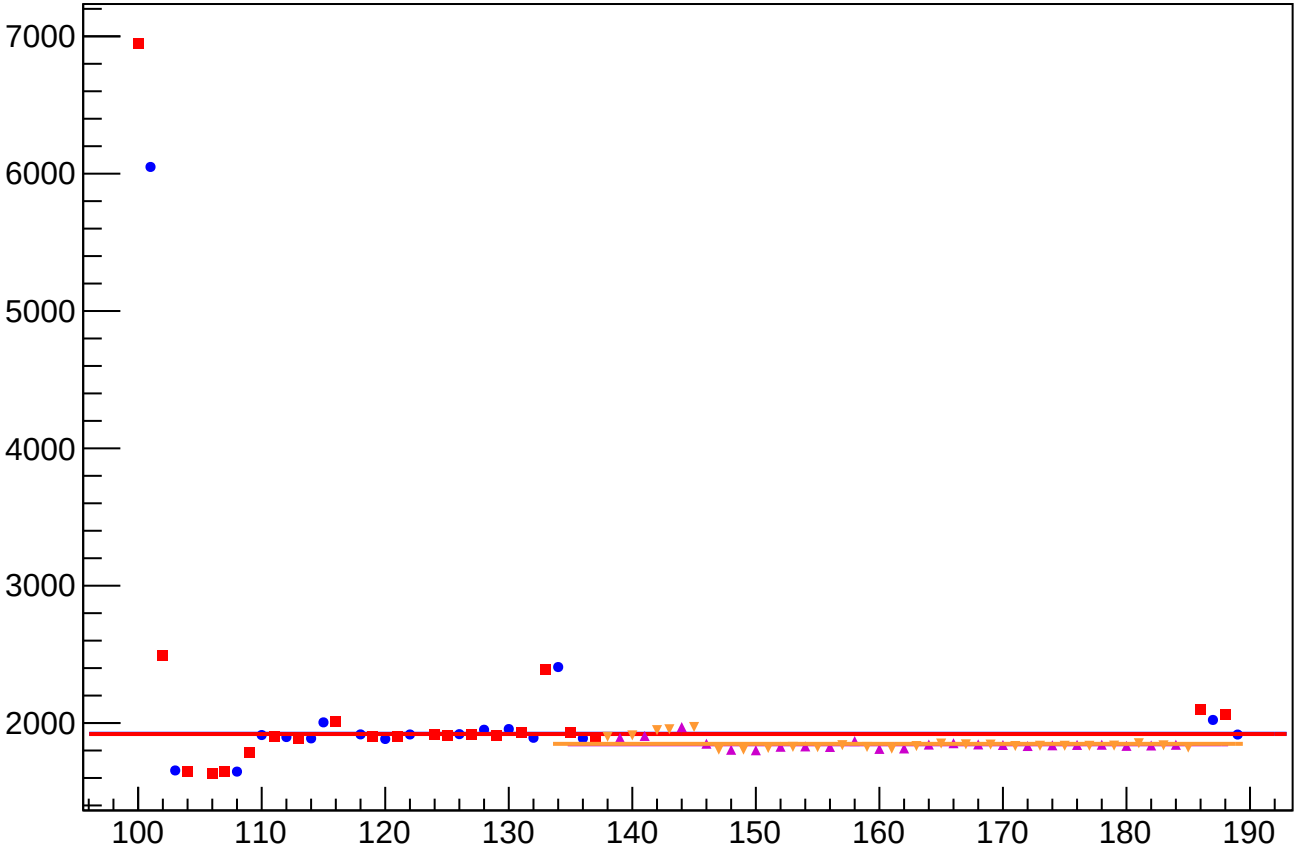
Left In: -2775.769+/-430.870 χ^2/NDF:25.4/22

+ sign 2176.112+/-359.671 χ^2/NDF: 47.1/42

All: -185.178+/-254.707 χ^2/NDF: 176.9/86

- sign -2560.670+/-360.751 χ^2/NDF: 43.3/43

reg_asym_atr_avg_rms vs Slug



Right In: 1921.874+/-0.492 χ^2/NDF: 698293.0/17

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1919.894+/-0.465 χ^2/NDF: 239806.5/20

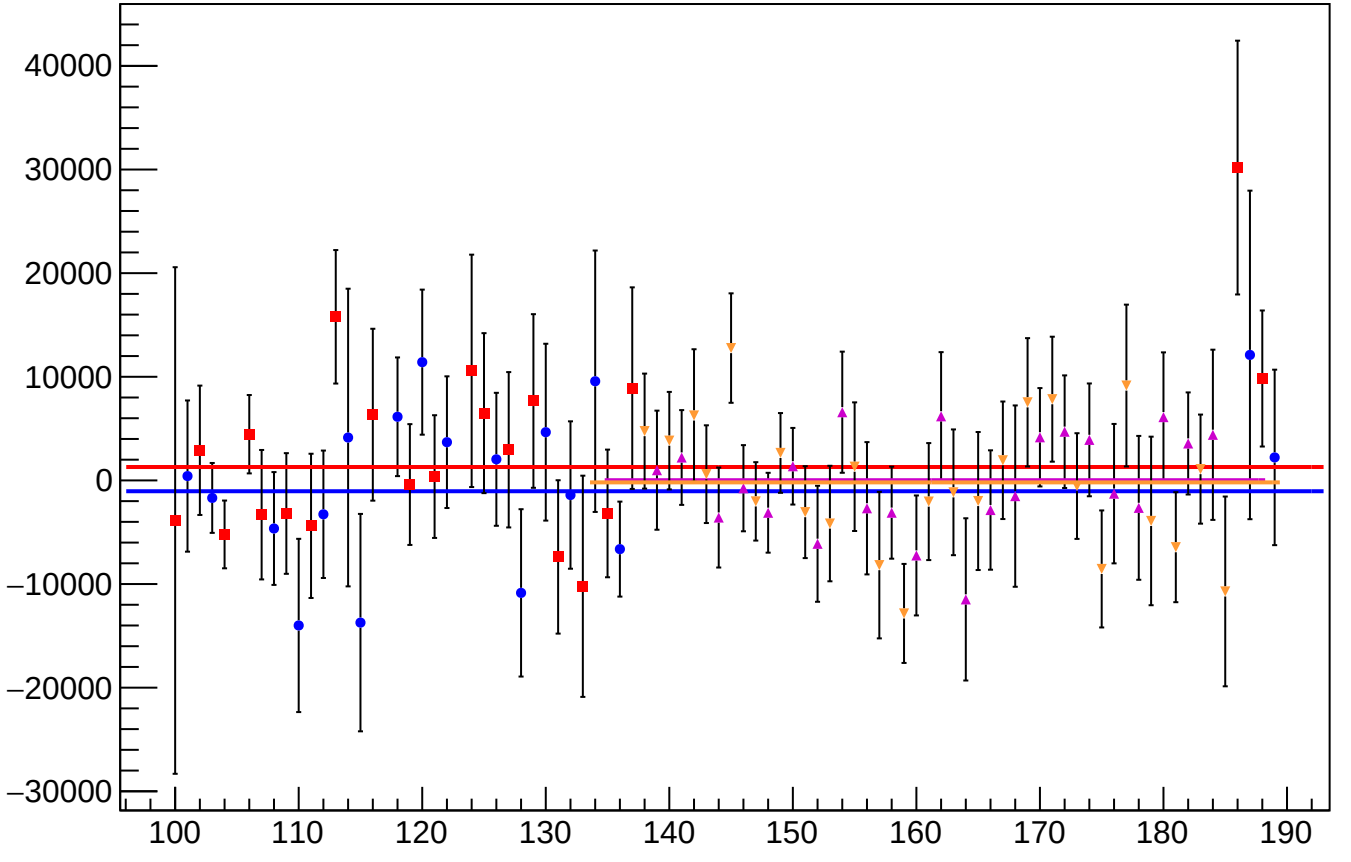
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1868.082+/-0.254 χ^2/NDF: 735447.0/42

All: 1867.806+/-0.180 χ^2/NDF: 1007395.4/86

- sign 1867.529+/-0.255 χ^2/NDF: 271946.1/43

asym_atr_avg_reg_correction_mean vs Slug



Right In: -1044.479+/-1550.869 χ^2/NDF: 15.1/17

Left Out: -189.458+/-1088.618 χ^2/NDF:28.9/24

Right Out: 1292.979+/-1395.047 χ^2/NDF: 24.8/20

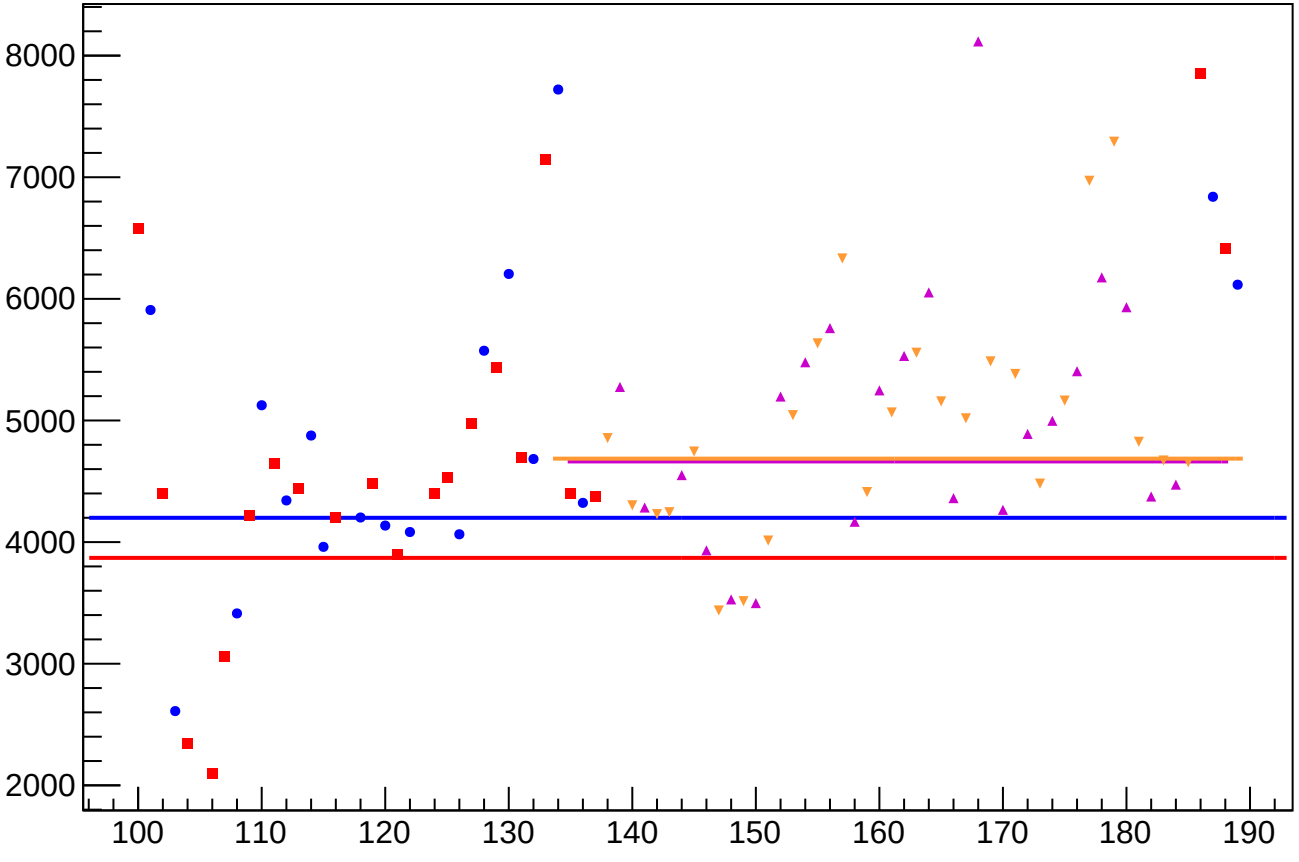
Left In: 19.391+/-1112.574 χ^2/NDF:13.7/22

+ sign -471.685+/-891.018 χ^2/NDF: 44.2/42

All: 33.283+/-622.417 χ^2/NDF: 84.0/86

- sign 514.518+/-869.827 χ^2/NDF: 39.1/43

asym_atr_avg_reg_correction_rms vs Slug



Right In: 4199.759+/-1.097 χ^2/NDF: 1121068.6/17

Left Out: 4686.353+/-0.770 χ^2/NDF:1185063.7/24

Right Out: 3870.254+/-0.986 χ^2/NDF: 1899315.5/20

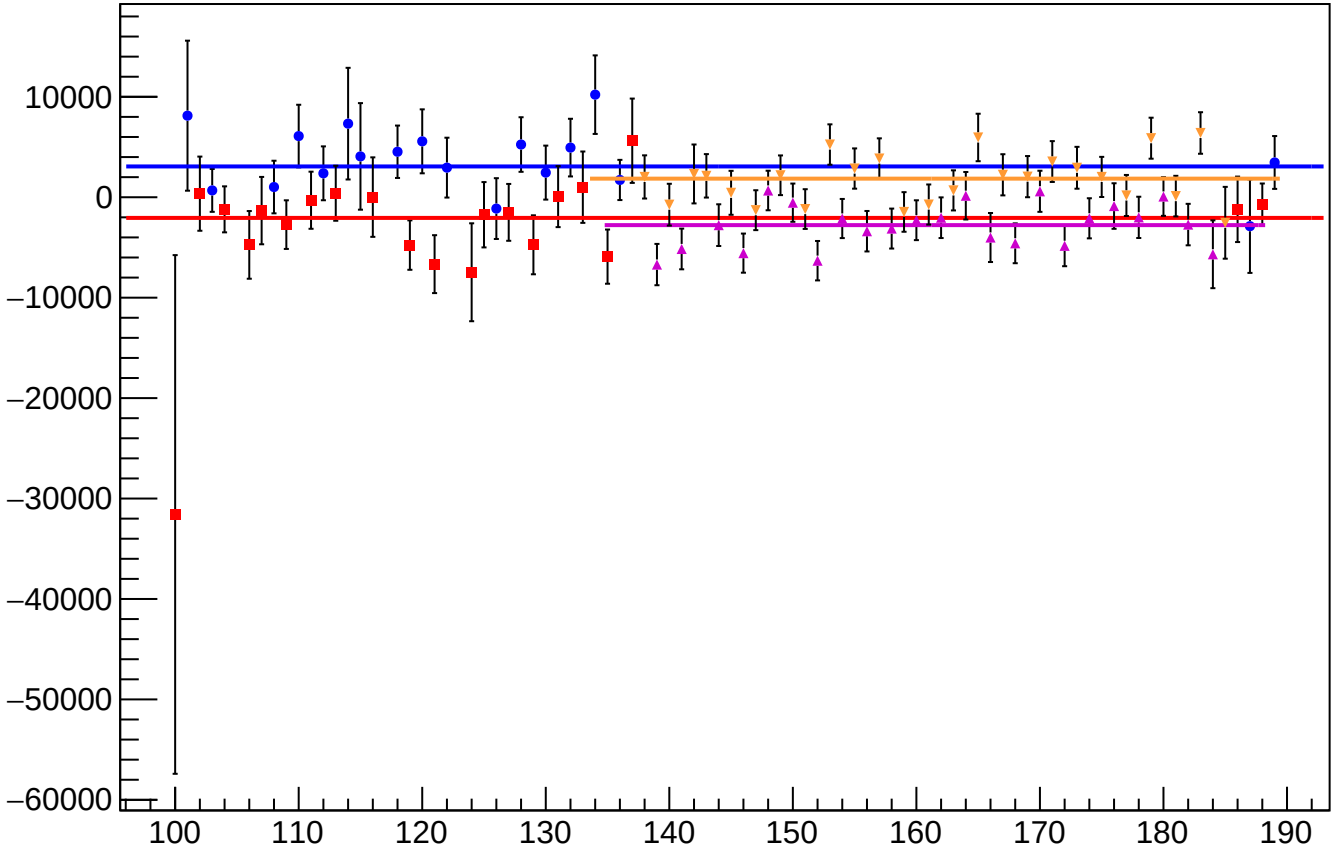
Left In: 4663.272+/-0.787 χ^2/NDF:1286726.4/22

+ sign 4525.737+/-0.630 χ^2/NDF: 2438029.3/42

All: 4438.301+/-0.440 χ^2/NDF: 6056710.8/86

- sign 4354.974+/-0.615 χ^2/NDF: 3581068.0/43

cor_asym_atr_avg_mean vs Slug



Right In: 3066.781+/-696.498 χ^2/NDF: 13.4/17

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: -2057.270+/-659.753 χ^2/NDF: 17.0/20

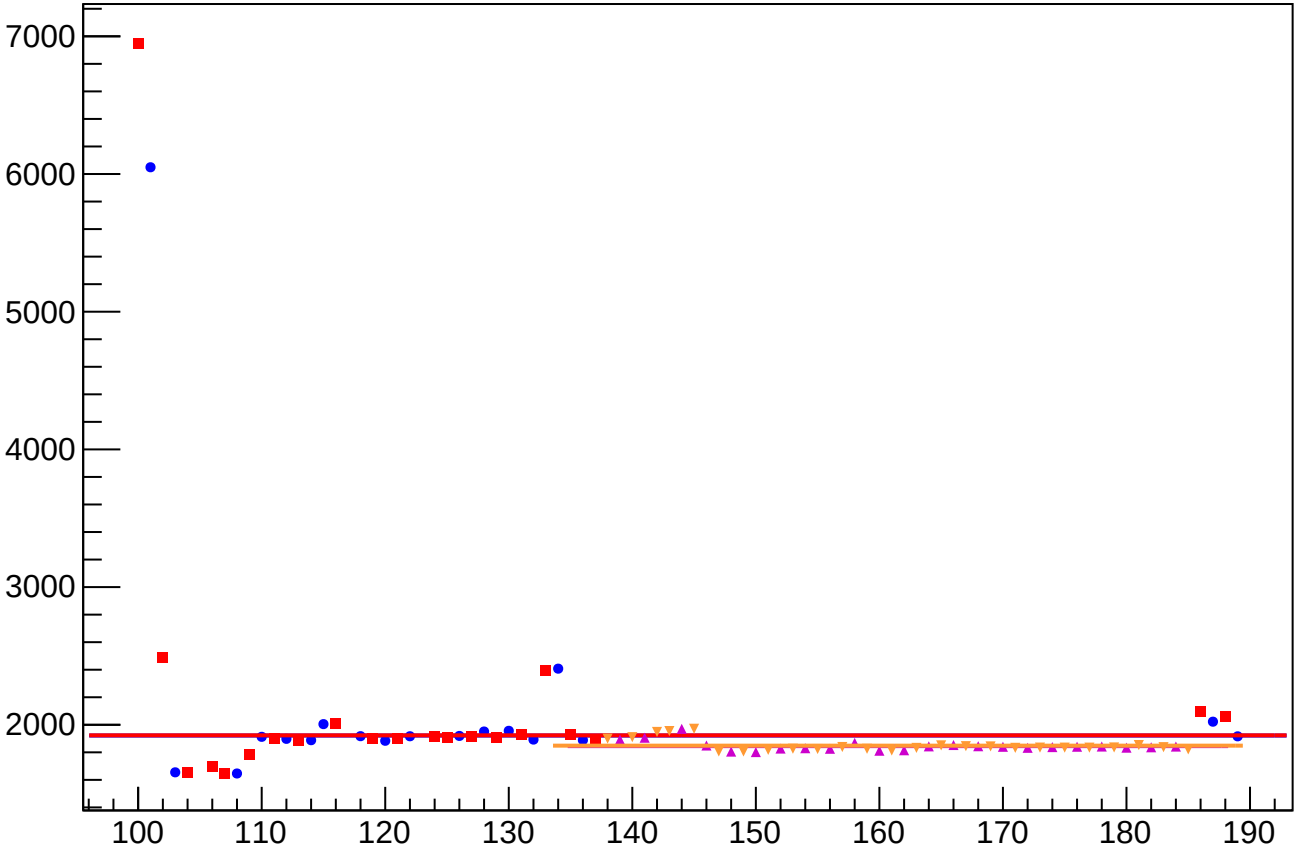
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2175.862+/-359.671 χ^2/NDF: 47.1/42

All: -185.429+/-254.707 χ^2/NDF: 176.9/86

- sign -2560.930+/-360.752 χ^2/NDF: 43.3/43

cor_asym_atr_avg_rms vs Slug



Right In: 1921.874+/-0.492 χ^2/NDF: 698292.1/17

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1923.423+/-0.466 χ^2/NDF: 232404.3/20

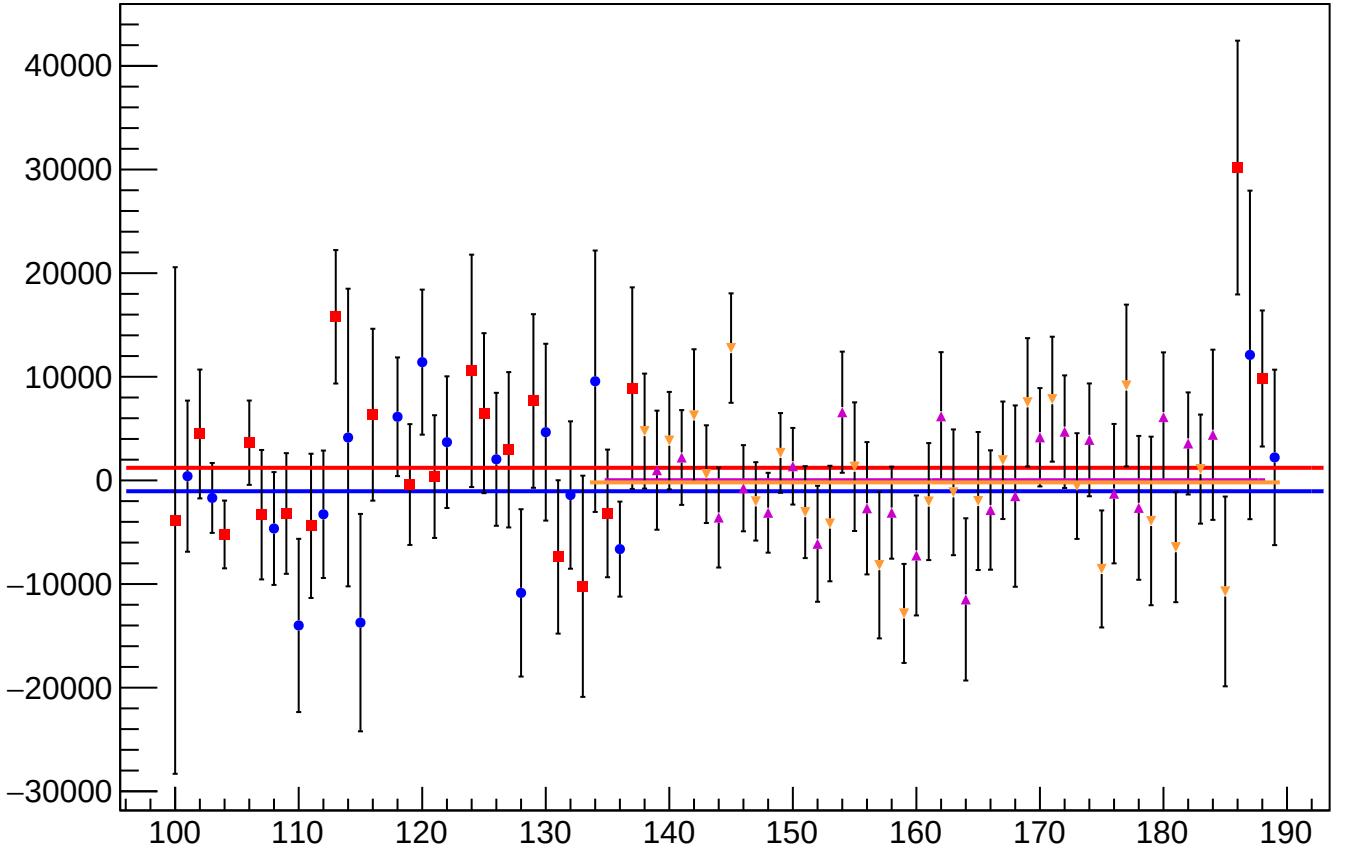
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1868.083+/-0.254 χ^2/NDF: 735446.2/42

All: 1868.308+/-0.180 χ^2/NDF: 1001694.9/86

- sign 1868.535+/-0.255 χ^2/NDF: 266247.1/43

asym_atr_avg_cor_correction_mean vs Slug



Right In: -1044.824+/-1550.872 χ^2/NDF: 15.1/17

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: 1216.136+/-1407.892 χ^2/NDF: 24.7/20

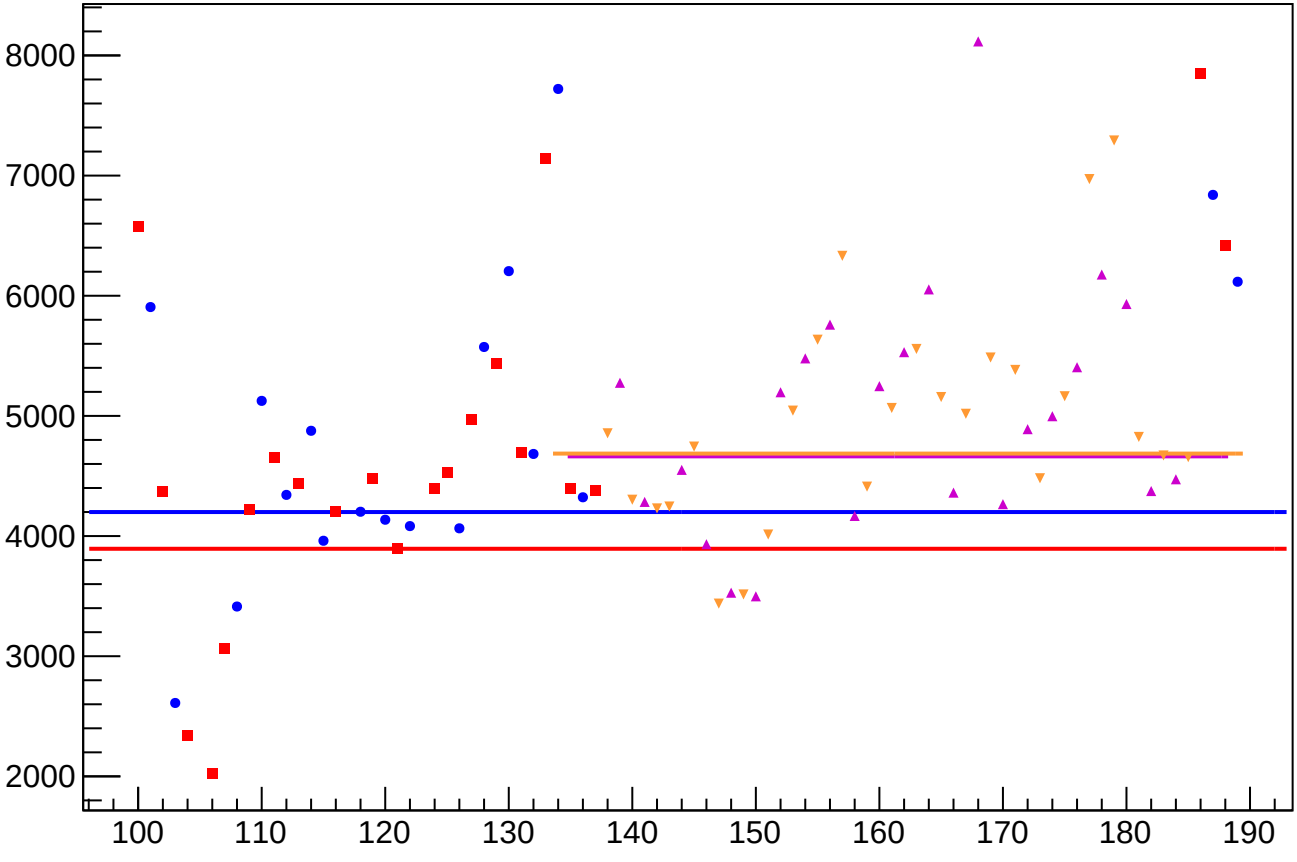
Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

+ sign -471.818+/-891.018 χ^2/NDF: 44.2/42

All: 13.586+/-623.546 χ^2/NDF: 83.7/86

- sign 479.467+/-872.914 χ^2/NDF: 38.8/43

asym_atr_avg_cor_correction_rms vs Slug



Right In: 4199.848+/-1.097 χ^2/NDF: 1120556.7/17

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 3894.166+/-0.996 χ^2/NDF: 1869698.4/20

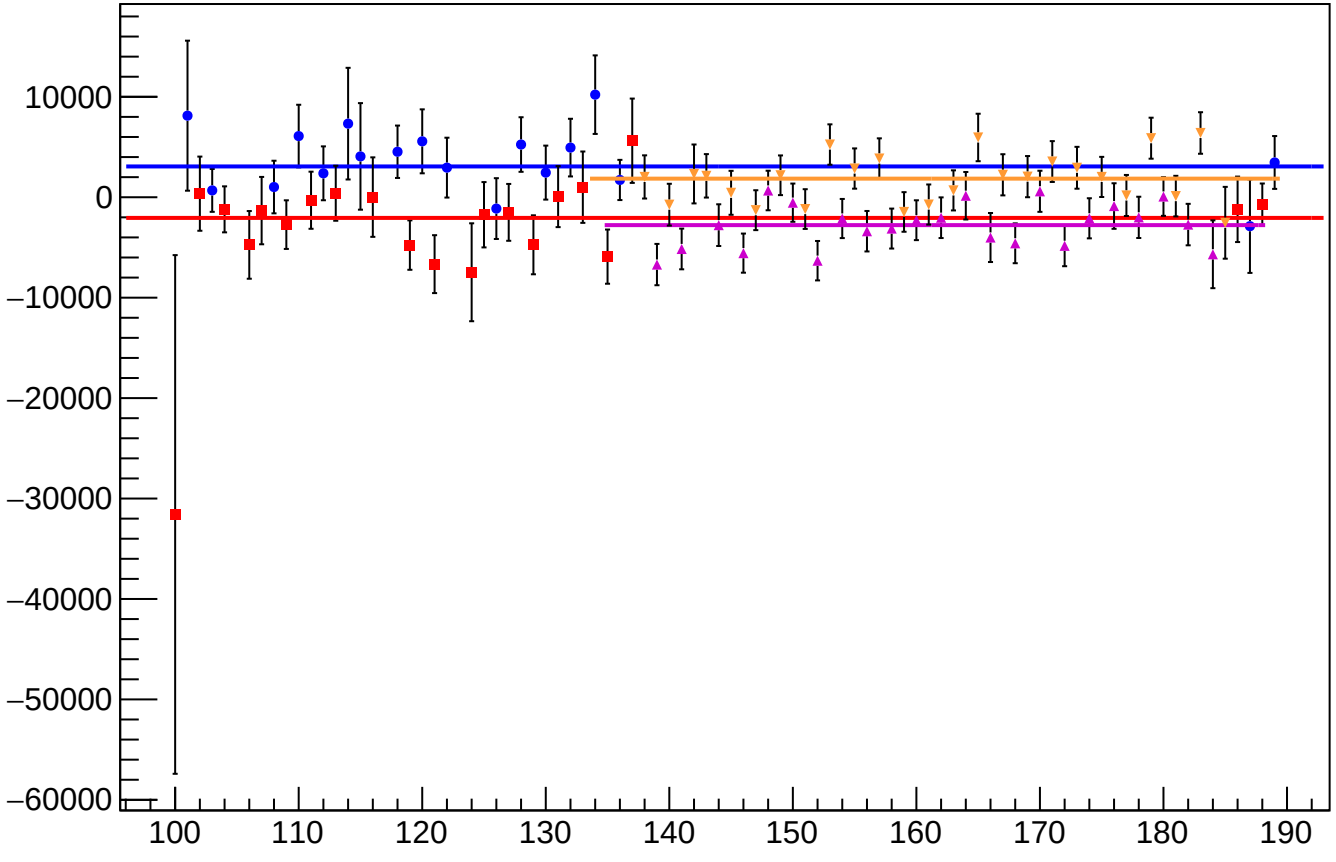
Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

+ sign 4525.762+/-0.630 χ^2/NDF: 2437490.3/42

All: 4445.065+/-0.441 χ^2/NDF: 5993471.1/86

- sign 4367.614+/-0.617 χ^2/NDF: 3523831.1/43

eigen_cor_asym_atr_avg_mean vs Slug



Right In: 3066.781+/-696.498 χ^2/NDF: 13.4/17

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: -2057.270+/-659.753 χ^2/NDF: 17.0/20

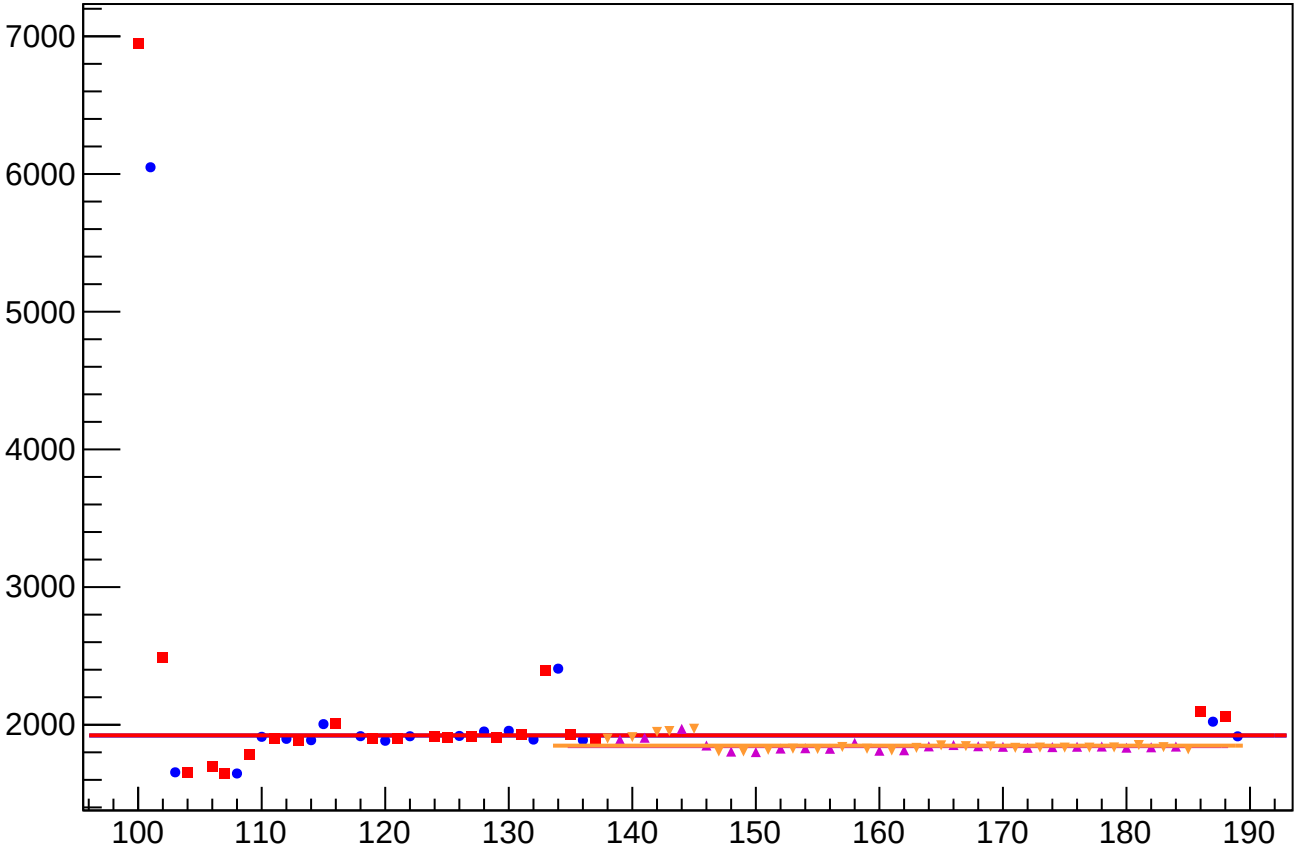
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2175.862+/-359.671 χ^2/NDF: 47.1/42

All: -185.429+/-254.707 χ^2/NDF: 176.9/86

- sign -2560.930+/-360.752 χ^2/NDF: 43.3/43

eigen_cor_asym_atr_avg_rms vs Slug



Right In: 1921.874+/-0.492 χ^2/NDF: 698292.1/17

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

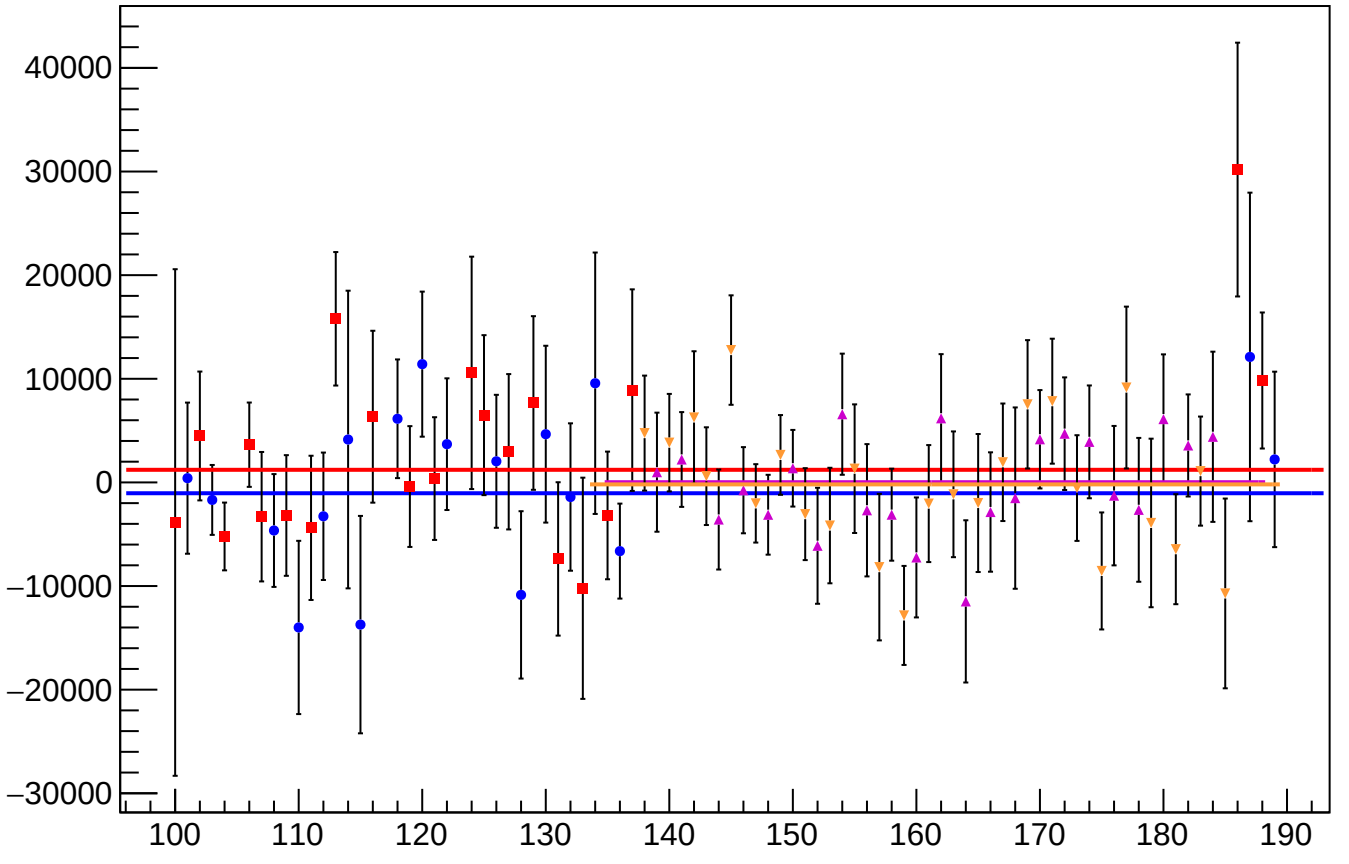
Right Out: 1923.423+/-0.466 χ^2/NDF: 232404.3/20

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1868.083+/-0.254 χ^2/NDF: 735446.2/42

All: 1868.308+/-0.180 χ^2/NDF: 1001694.9/86

- sign 1868.535+/-0.255 χ^2/NDF: 266247.1/43



Right In: -1044.824+/-1550.872 χ^2/NDF: 15.1/17

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

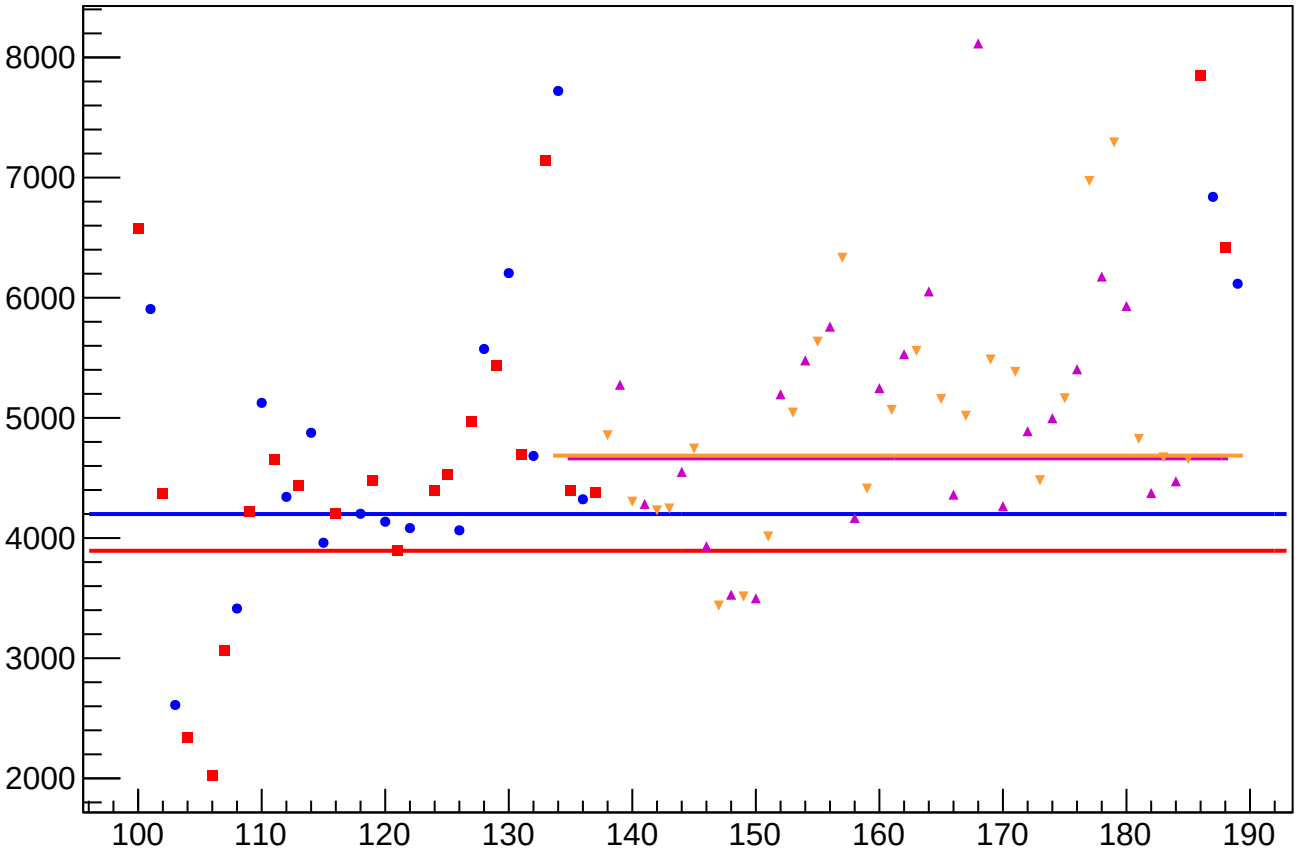
Right Out: 1216.136+/-1407.892 χ^2/NDF: 24.7/20

Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

+ sign -471.818+/-891.018 χ^2/NDF: 44.2/42

All: 13.586+/-623.546 χ^2/NDF: 83.7/86

- sign 479.467+/-872.914 χ^2/NDF: 38.8/43



Right In: 4199.848+/-1.097 χ^2/NDF: 1120556.7/17

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

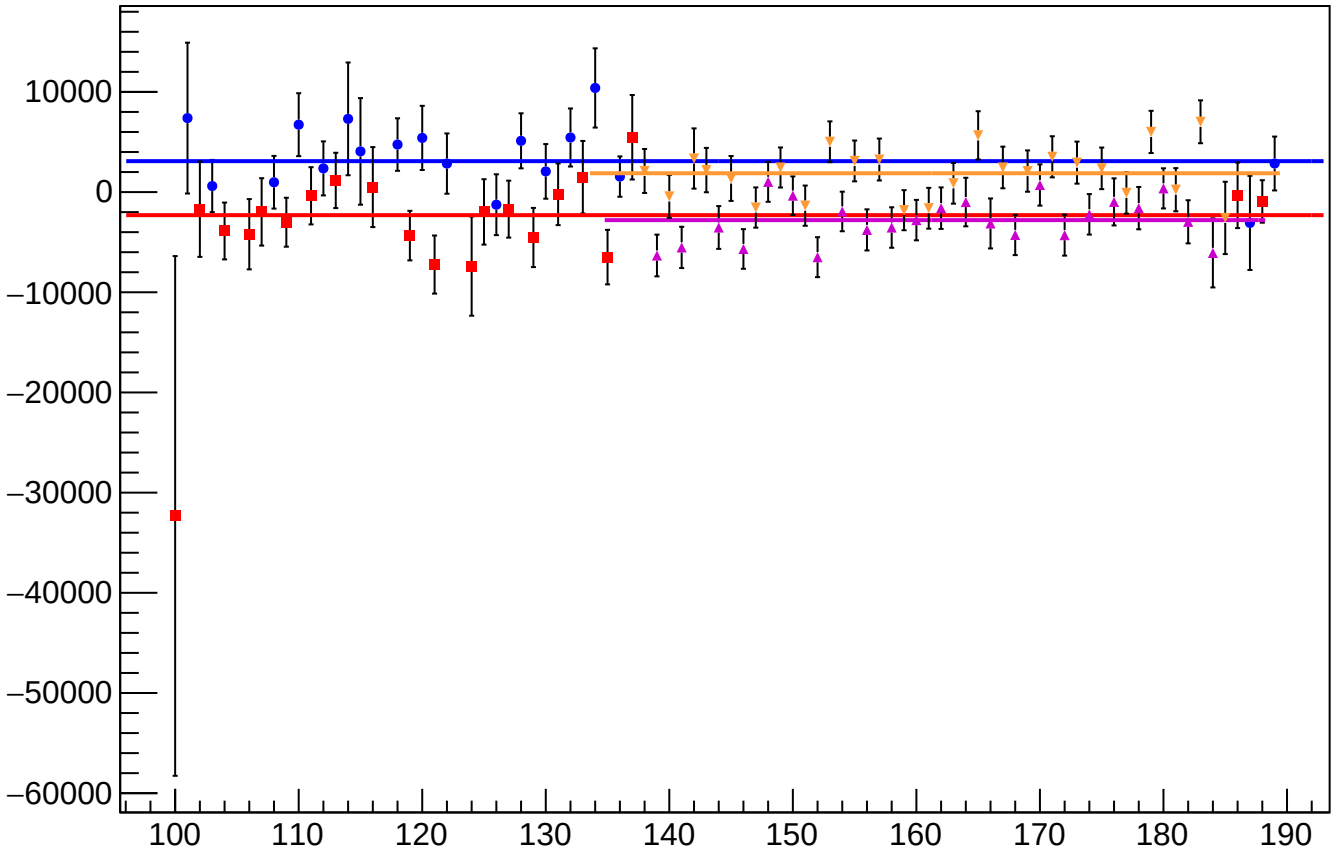
Right Out: 3894.166+/-0.996 χ^2/NDF: 1869698.4/20

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

+ sign 4525.762+/-0.630 χ^2/NDF: 2437490.3/42

All: 4445.065+/-0.441 χ^2/NDF: 5993471.1/86

- sign 4367.614+/-0.617 χ^2/NDF: 3523831.1/43



Right In: 3088.915+/-714.777 χ^2/NDF: 13.9/17

Left Out: 1880.927+/-428.980 χ^2/NDF:32.9/24

Right Out: -2302.374+/-679.234 χ^2/NDF: 17.9/20

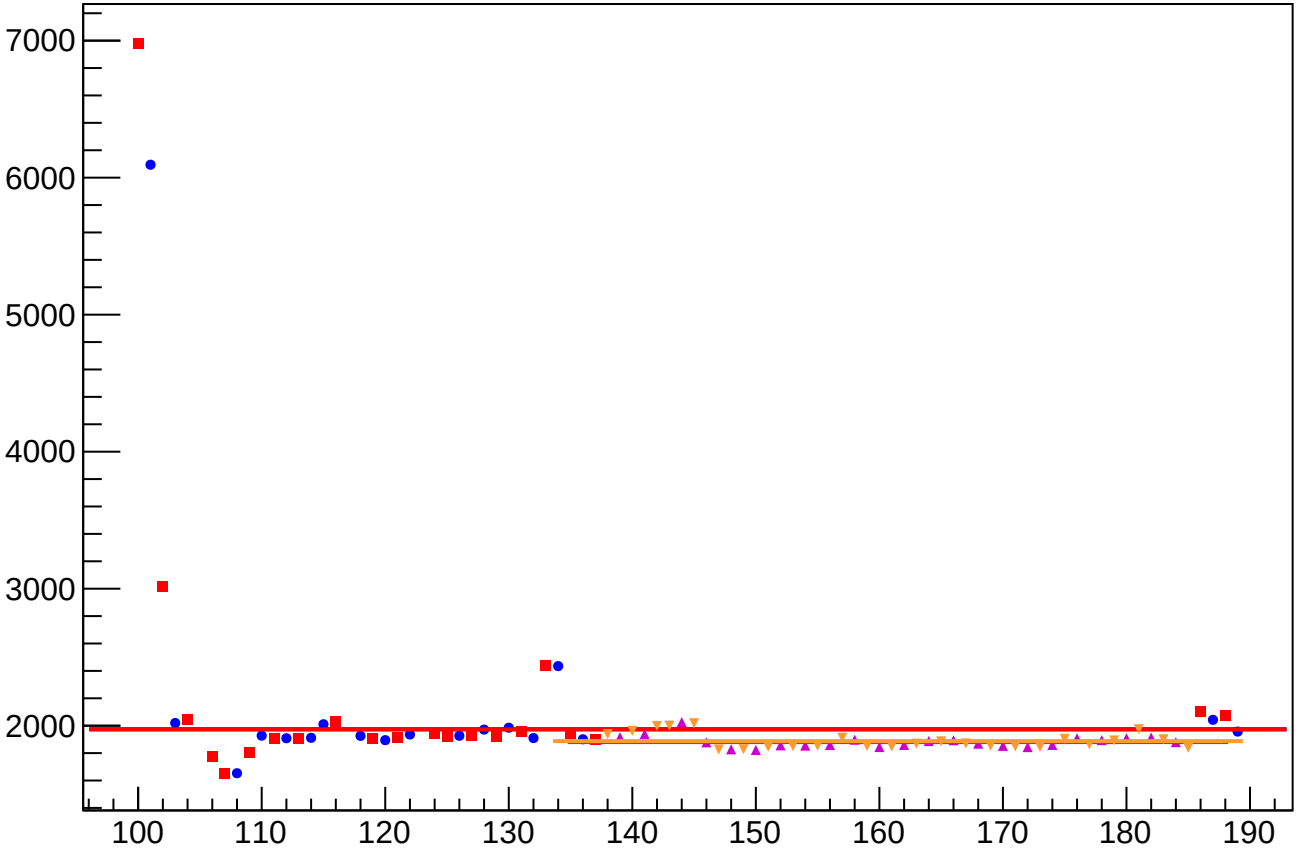
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2200.814+/-367.822 χ^2/NDF: 49.0/42

All: -219.001+/-260.447 χ^2/NDF: 179.5/86

- sign -2652.163+/-368.835 χ^2/NDF: 43.7/43

dit_asym_atr_avg_rms vs Slug



Right In: 1974.172+/-0.505 χ^2/NDF: 665632.7/17

Left Out: 1887.545+/-0.303 χ^2/NDF:31955.7/24

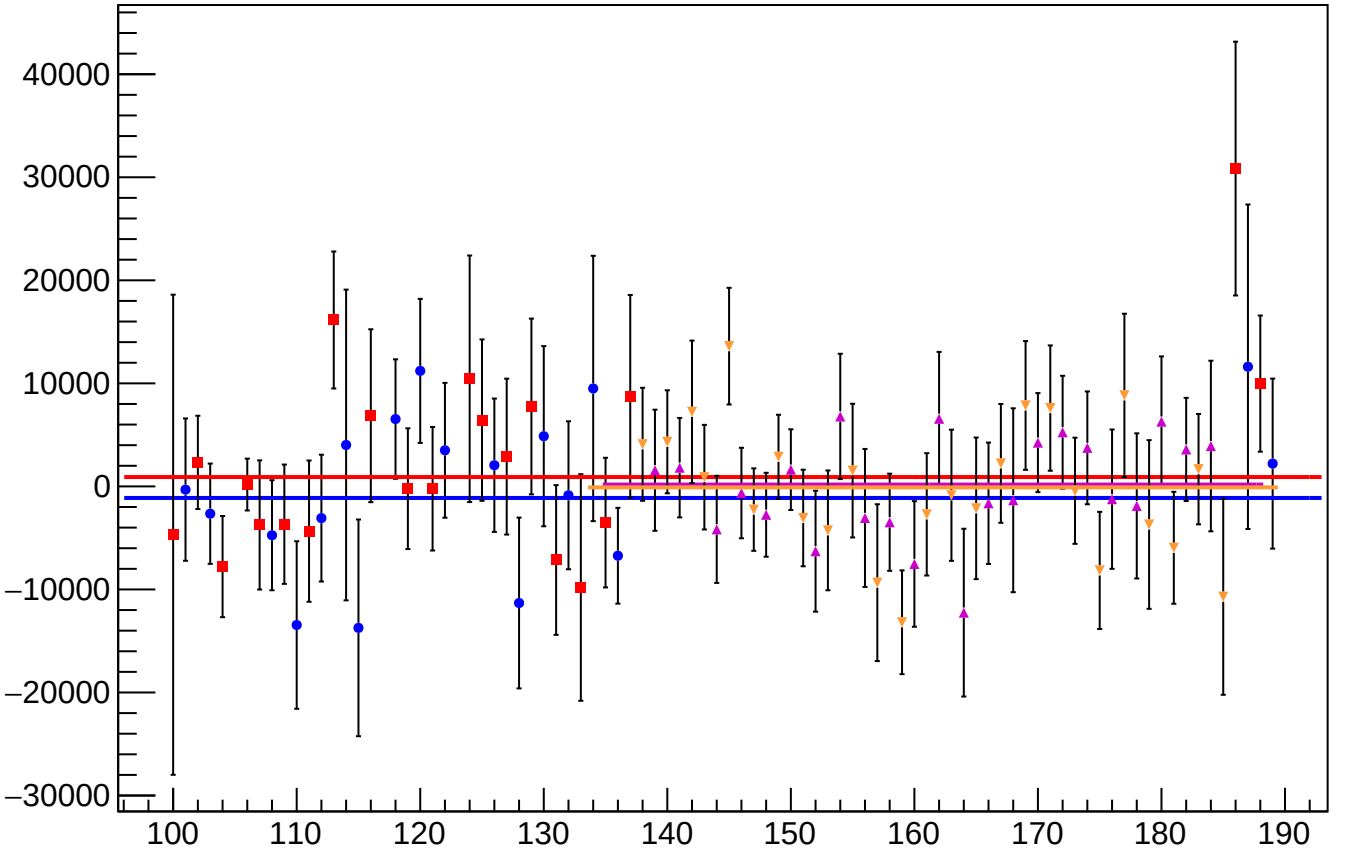
Right Out: 1973.091+/-0.480 χ^2/NDF: 255314.8/20

Left In: 1880.575+/-0.311 χ^2/NDF:19037.6/22

+ sign 1910.485+/-0.260 χ^2/NDF: 719185.4/42

All: 1909.188+/-0.184 χ^2/NDF: 1019778.9/86

- sign 1907.884+/-0.261 χ^2/NDF: 300543.5/43



Right In: -1120.884+/-1646.535 χ^2/NDF: 15.1/17

Left Out: -91.889+/-1133.233 χ^2/NDF:28.1/24

Right Out: 908.674+/-1327.700 χ^2/NDF: 23.9/20

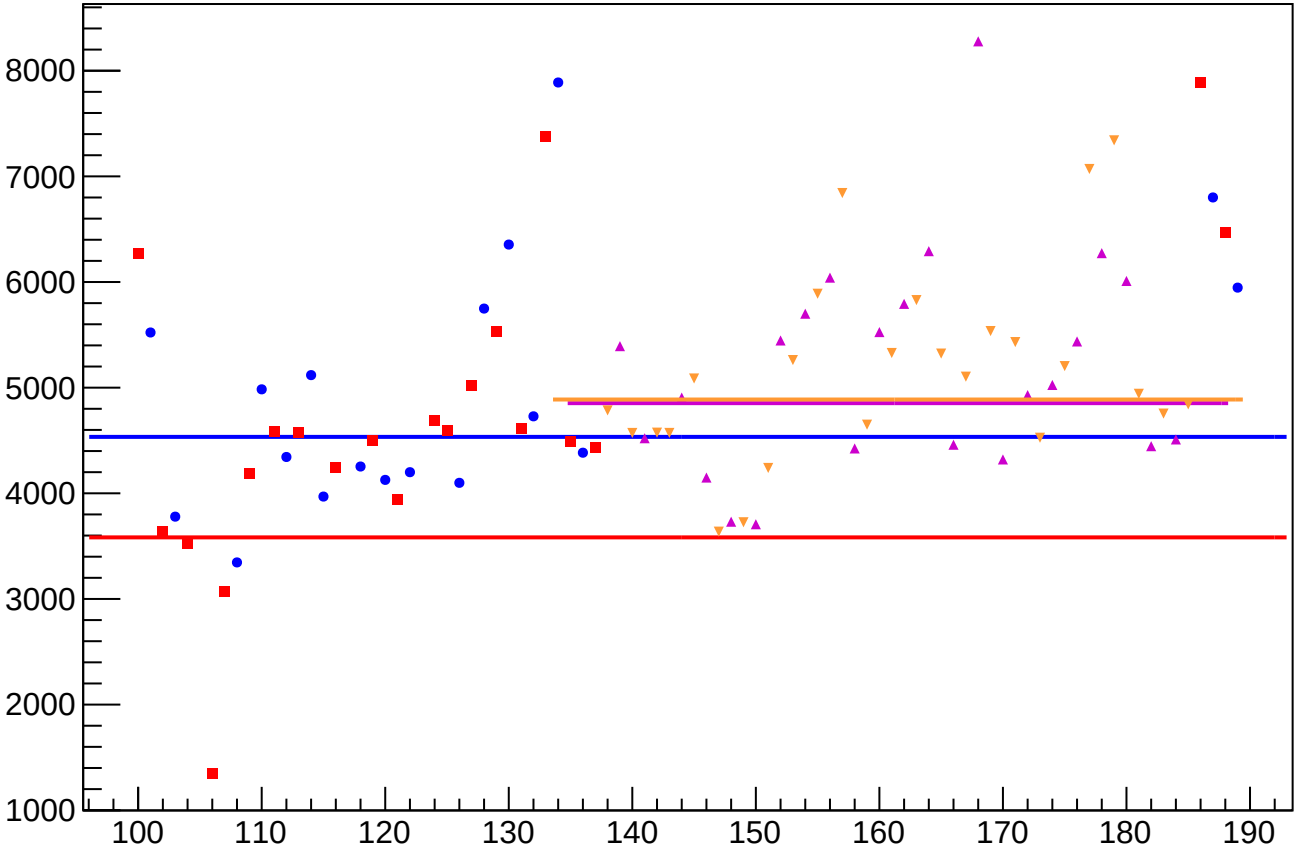
Left In: 177.137+/-1156.061 χ^2/NDF:13.5/22

+ sign -422.642+/-933.503 χ^2/NDF: 43.4/42

All: 66.185+/-637.180 χ^2/NDF: 81.6/86

- sign 492.593+/-871.869 χ^2/NDF: 37.6/43

asym_atr_avg_dit_correction_rms vs Slug



Right In: 4534.098+/-1.164 χ^2/NDF: 599801.4/17

Left Out: 4887.823+/-0.801 χ^2/NDF:1063298.6/24

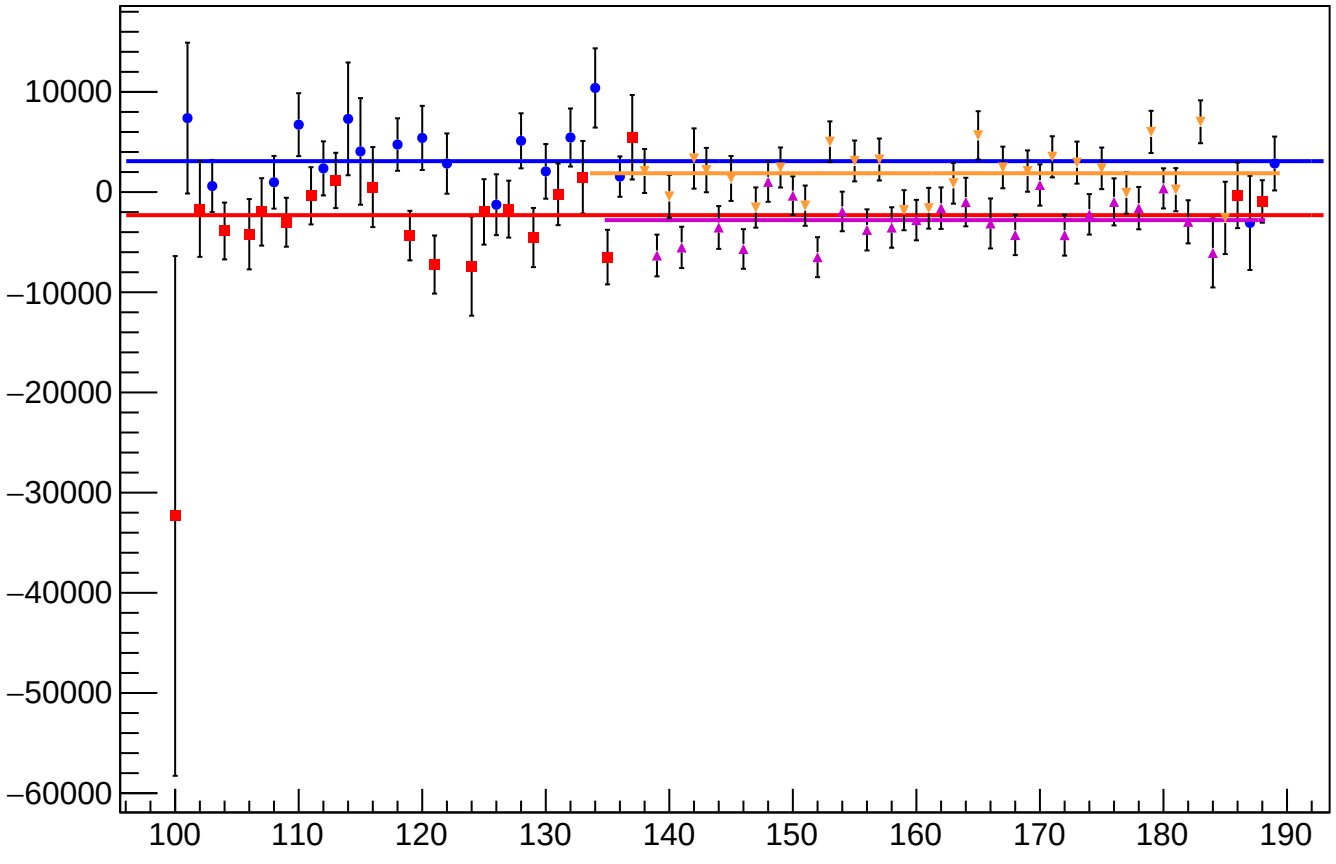
Right Out: 3582.804+/-0.939 χ^2/NDF: 2984827.9/20

Left In: 4853.363+/-0.817 χ^2/NDF:1178636.9/22

+ sign 4774.124+/-0.660 χ^2/NDF: 1725734.1/42

All: 4523.815+/-0.451 χ^2/NDF: 7200177.6/86

- sign 4305.468+/-0.617 χ^2/NDF: 5205209.8/43



Right In: 3088.920+/-714.777 χ^2/NDF: 13.9/17

Left Out: 1880.922+/-428.981 χ^2/NDF:32.9/24

Right Out: -2302.378+/-679.234 χ^2/NDF: 17.9/20

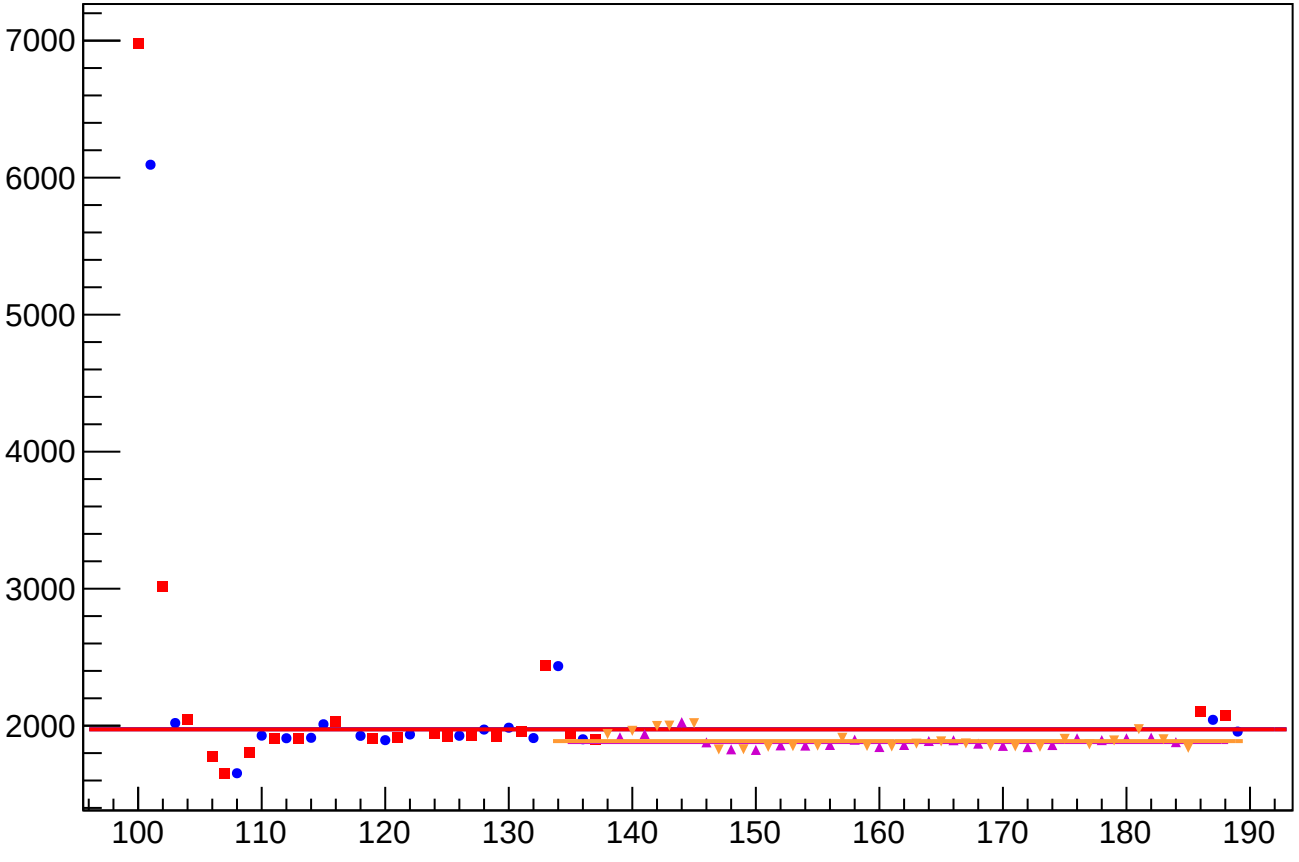
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2200.811+/-367.822 χ^2/NDF: 49.0/42

All: -219.003+/-260.447 χ^2/NDF: 179.5/86

- sign -2652.164+/-368.835 χ^2/NDF: 43.7/43

eigen_dit_asym_atr_avg_rms vs Slug



Right In: 1974.172+/-0.505 χ^2/NDF: 665632.7/17

Left Out: 1887.546+/-0.303 χ^2/NDF:31955.8/24

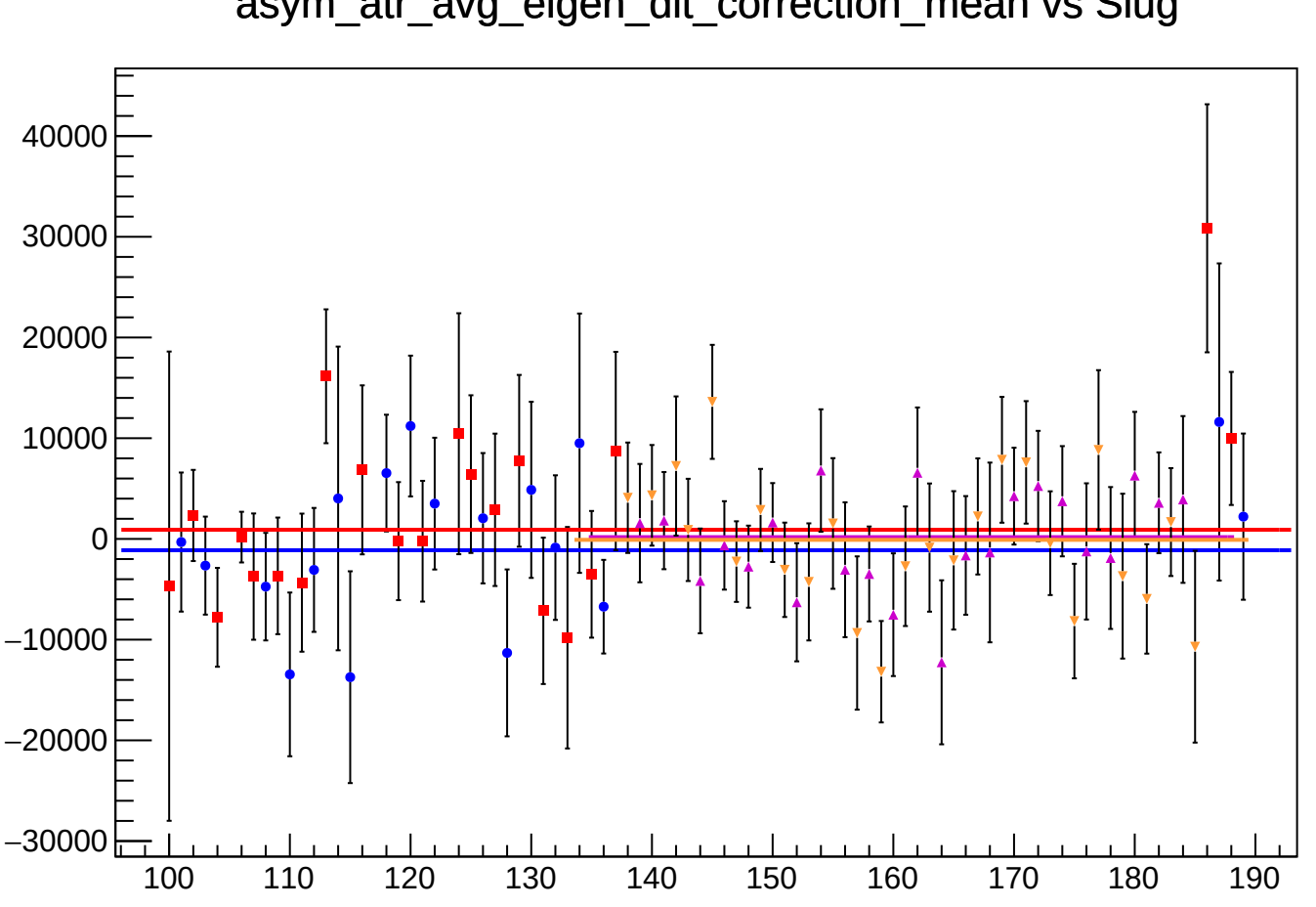
Right Out: 1973.091+/-0.480 χ^2/NDF: 255314.3/20

Left In: 1880.576+/-0.311 χ^2/NDF:19037.6/22

+ sign 1910.485+/-0.260 χ^2/NDF: 719184.9/42

All: 1909.188+/-0.184 χ^2/NDF: 1019777.3/86

- sign 1907.884+/-0.261 χ^2/NDF: 300542.5/43



Right In: -1120.867+/-1646.533 χ^2/NDF: 15.1/17

Left Out: -91.892+/-1133.235 χ^2/NDF:28.1/24

Right Out: 908.672+/-1327.698 χ^2/NDF: 23.9/20

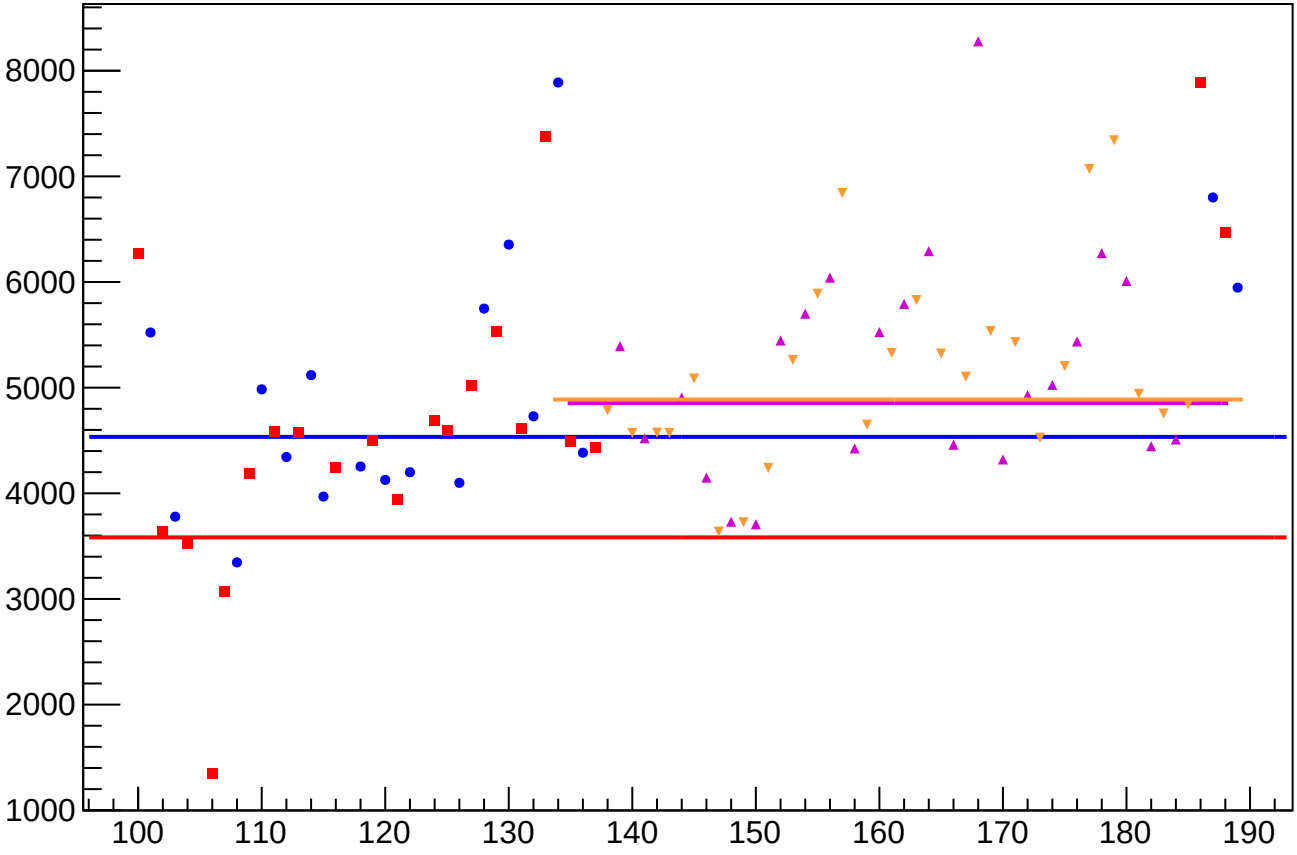
Left In: 177.140+/-1156.062 χ^2/NDF:13.5/22

\+ sign -422.640+/-933.504 χ^2/NDF: 43.4/42

All: 66.187+/-637.181 χ^2/NDF: 81.6/86

\- sign 492.595+/-871.869 χ^2/NDF: 37.6/43

asym_atr_avg_eigen_dit_correction_rms vs Slug



Right In: 4534.092+/-1.164 χ^2/NDF: 599800.8/17

Left Out: 4887.830+/-0.801 χ^2/NDF:1063300.0/24

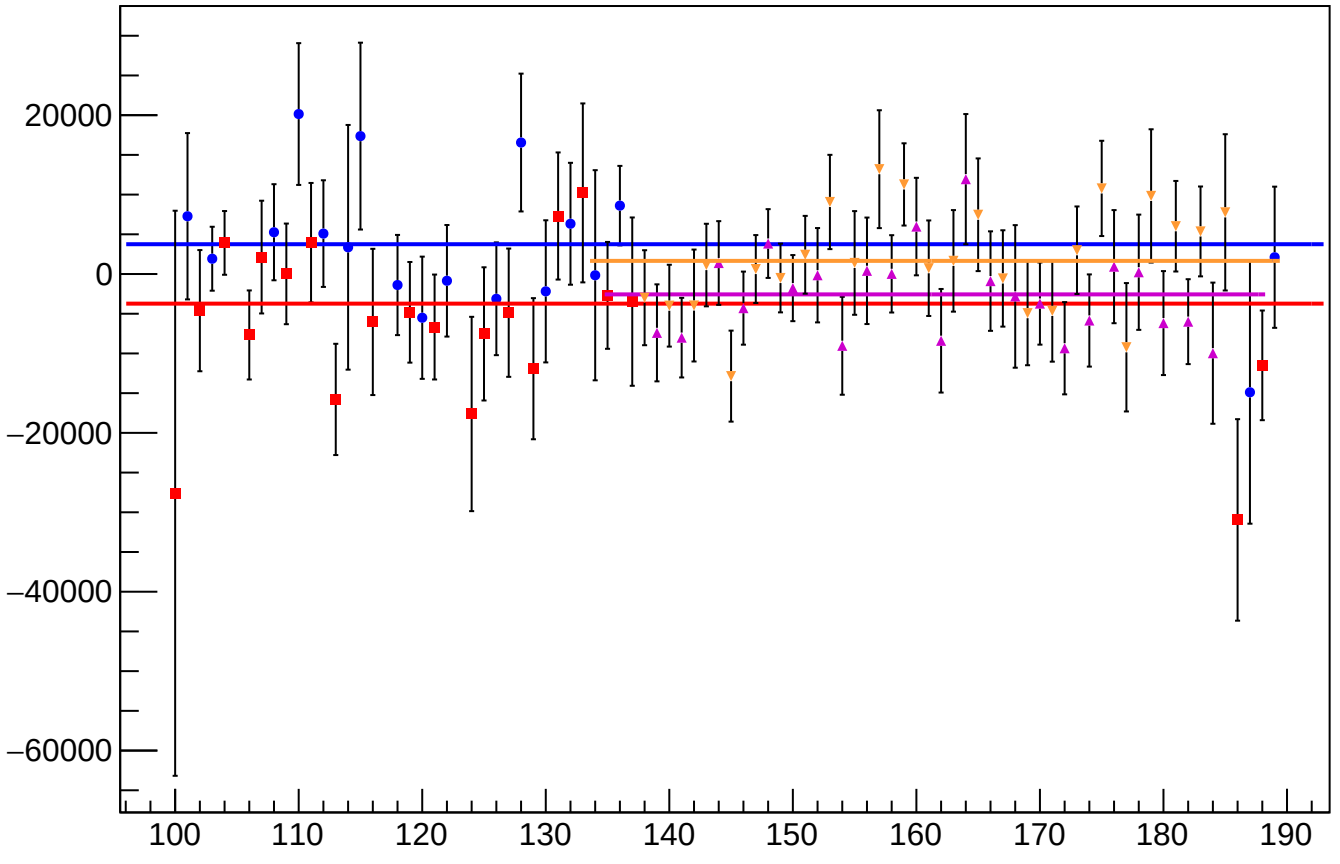
Right Out: 3582.795+/-0.939 χ^2/NDF: 2984836.1/20

Left In: 4853.371+/-0.817 χ^2/NDF:1178639.4/22

+ sign 4774.127+/-0.660 χ^2/NDF: 1725740.1/42

All: 4523.815+/-0.451 χ^2/NDF: 7200225.9/86

- sign 4305.466+/-0.617 χ^2/NDF: 5205247.4/43



Right In: 3752.379+/-1737.592 χ^2/NDF: 13.7/17

Left Out: 1654.615+/-1178.652 χ^2/NDF:26.0/24

Right Out: -3729.268+/-1611.739 χ^2/NDF: 21.6/20

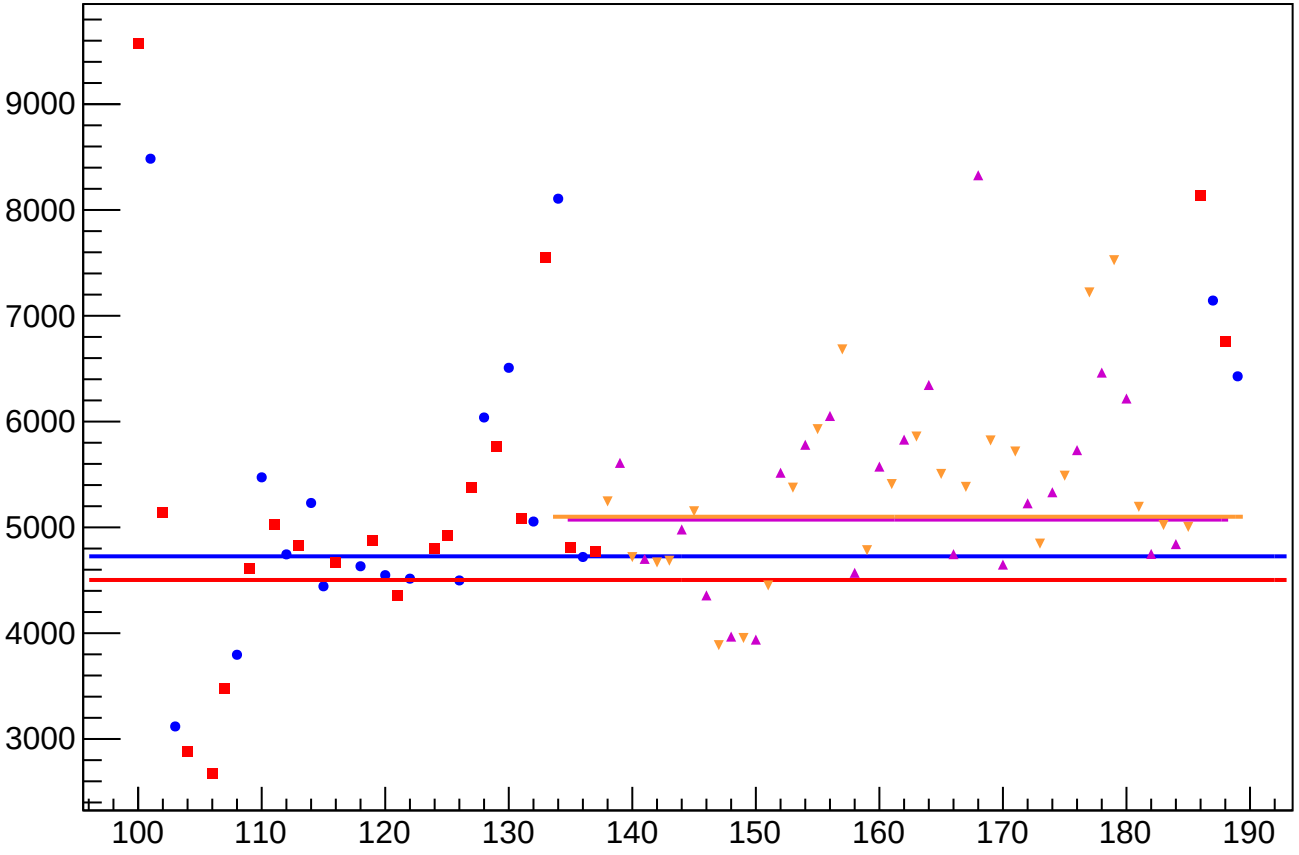
Left In: -2563.603+/-1204.450 χ^2/NDF:16.0/22

+ sign 2315.677+/-975.418 χ^2/NDF: 40.6/42

All: -361.775+/-685.943 χ^2/NDF: 93.5/86

- sign -2981.306+/-964.810 χ^2/NDF: 37.9/43

asym_atr_avg_rms vs Slug



Right In: 4726.407+/-1.229 χ^2/NDF: 1022084.5/17

Left Out: 5100.641+/-0.833 χ^2/NDF:909330.5/24

Right Out: 4502.879+/-1.130 χ^2/NDF: 1307808.1/20

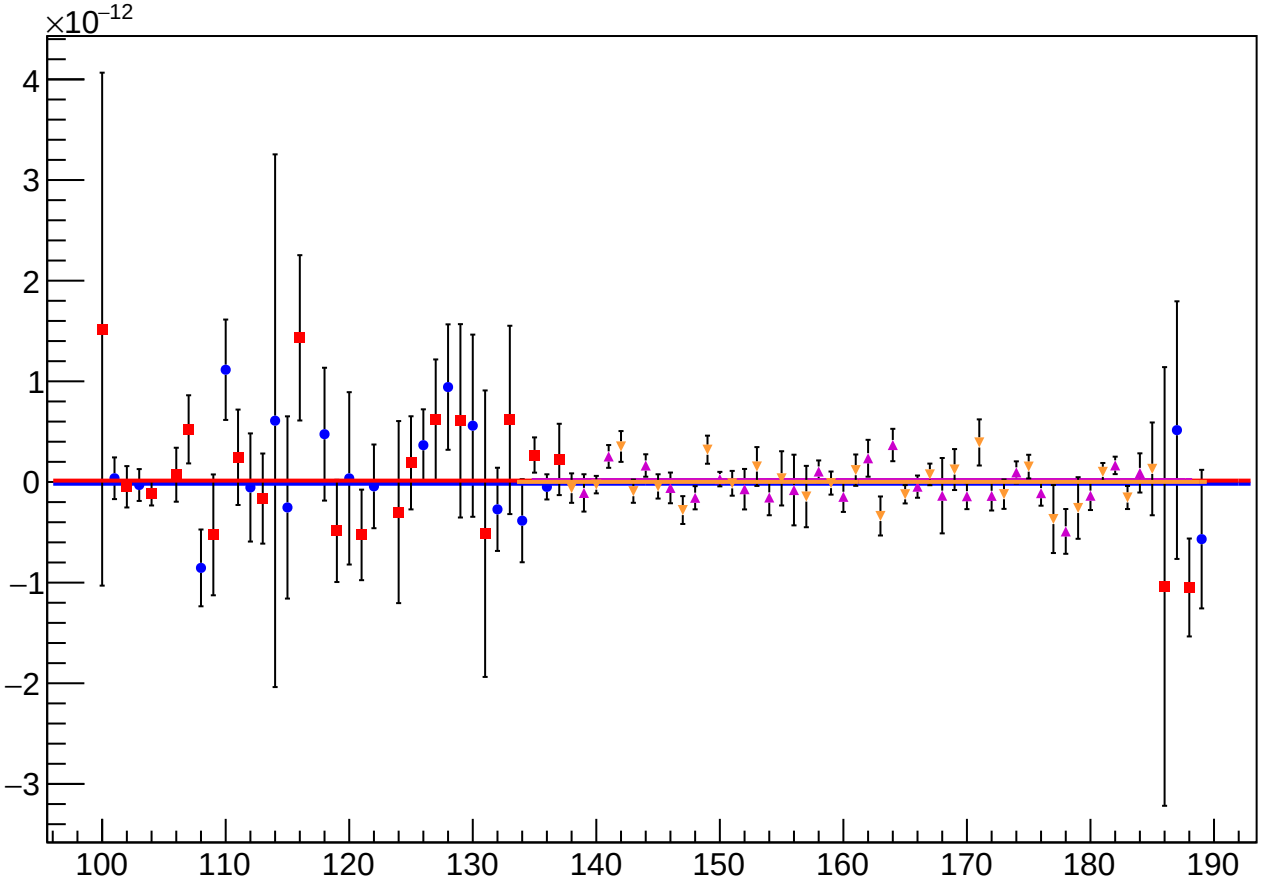
Left In: 5073.543+/-0.852 χ^2/NDF:991915.5/22

+ sign 4982.710+/-0.690 χ^2/NDF: 1994952.7/42

All: 4924.017+/-0.484 χ^2/NDF: 4471515.5/86

- sign 4866.926+/-0.680 χ^2/NDF: 2462277.6/43

asym_atr_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:33.3/24

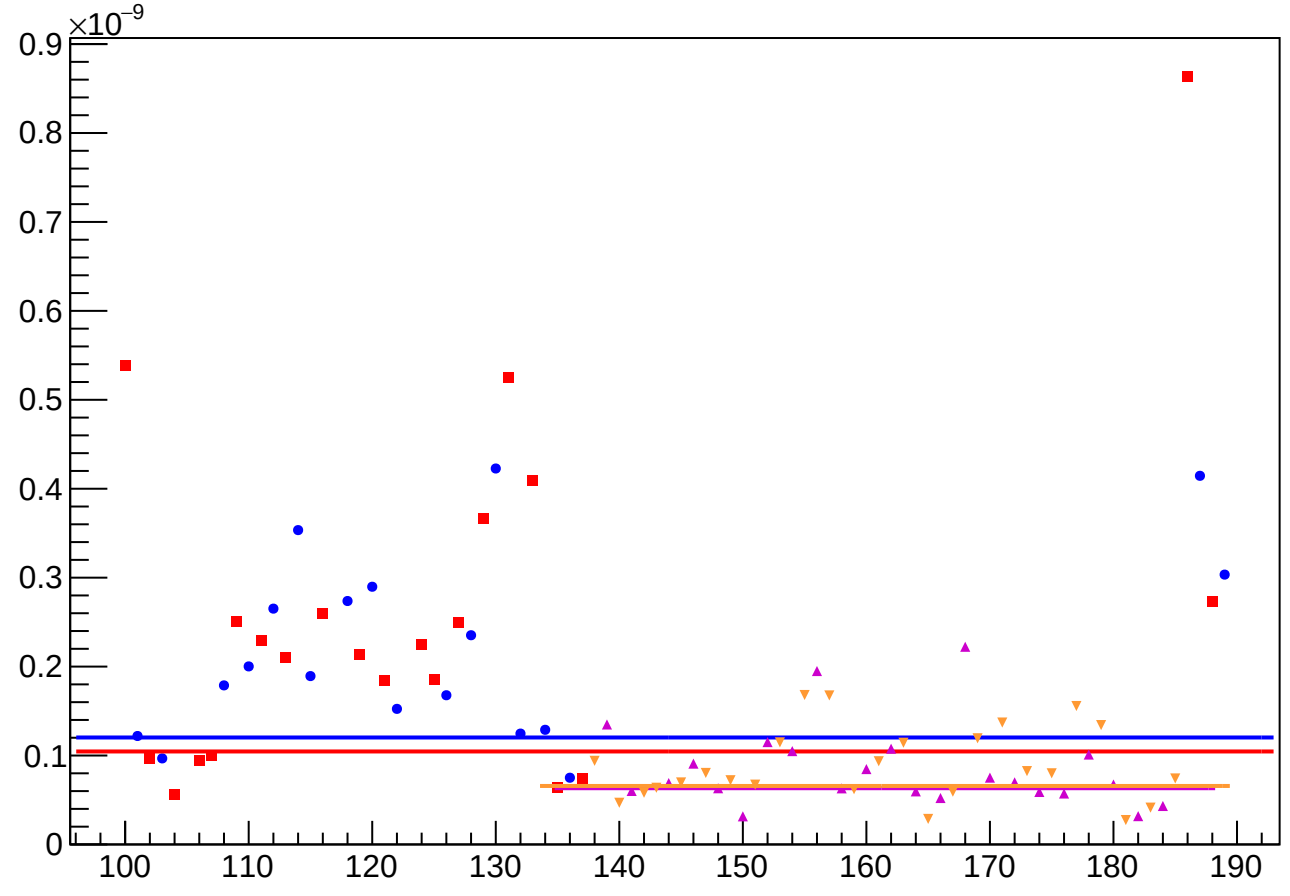
Right Out: 0.000+/-0.000 χ^2/NDF: 20.1/20

Left In: 0.000+/-0.000 χ^2/NDF:32.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 50.0/42

All: 0.000+/-0.000 χ^2/NDF: 102.8/86

- sign 0.000+/-0.000 χ^2/NDF: 52.5/43



Right In: 0.000+/-0.000 χ^2/NDF: 1351412.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:2472657.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2335350.1/20

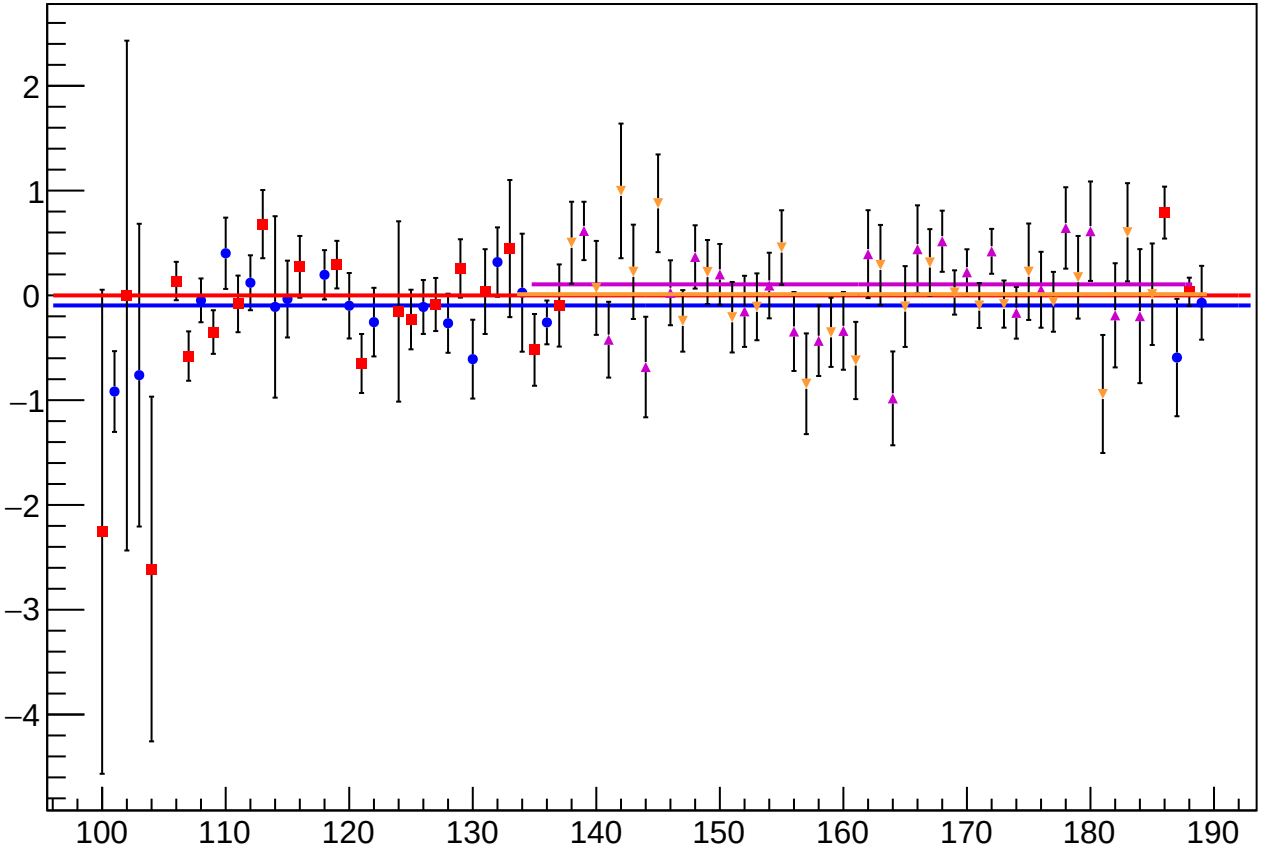
Left In: 0.000+/-0.000 χ^2/NDF:2196878.1/22

\+ sign 0.000+/-0.000 χ^2/NDF: 4759278.5/42

All: 0.000+/-0.000 χ^2/NDF: 9890839.5/86

\- sign 0.000+/-0.000 χ^2/NDF: 5110268.1/43

asym_atr_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.096+/-0.074 χ^2/NDF: 14.7/17

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.000+/-0.060 χ^2/NDF: 40.0/20

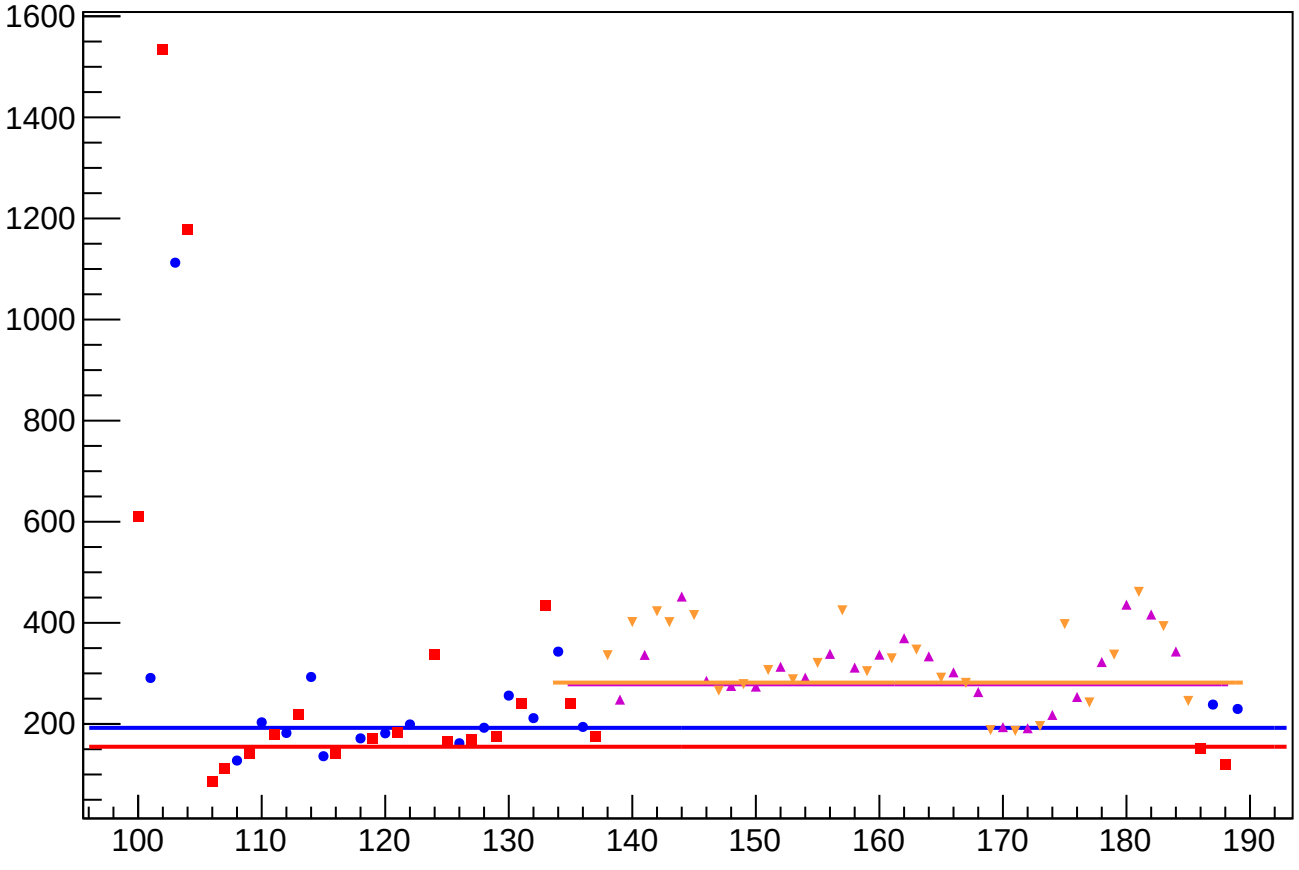
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.038+/-0.050 χ^2/NDF: 41.0/42

All: 0.008+/-0.034 χ^2/NDF: 115.3/86

- sign 0.046+/-0.045 χ^2/NDF: 72.7/43

asym_atr_avg_dit_vs_cor_diff_rms vs Slug



Right In: 192.269+/-0.053 χ^2/NDF: 1503885.3/17

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 154.887+/-0.043 χ^2/NDF: 2807445.0/20

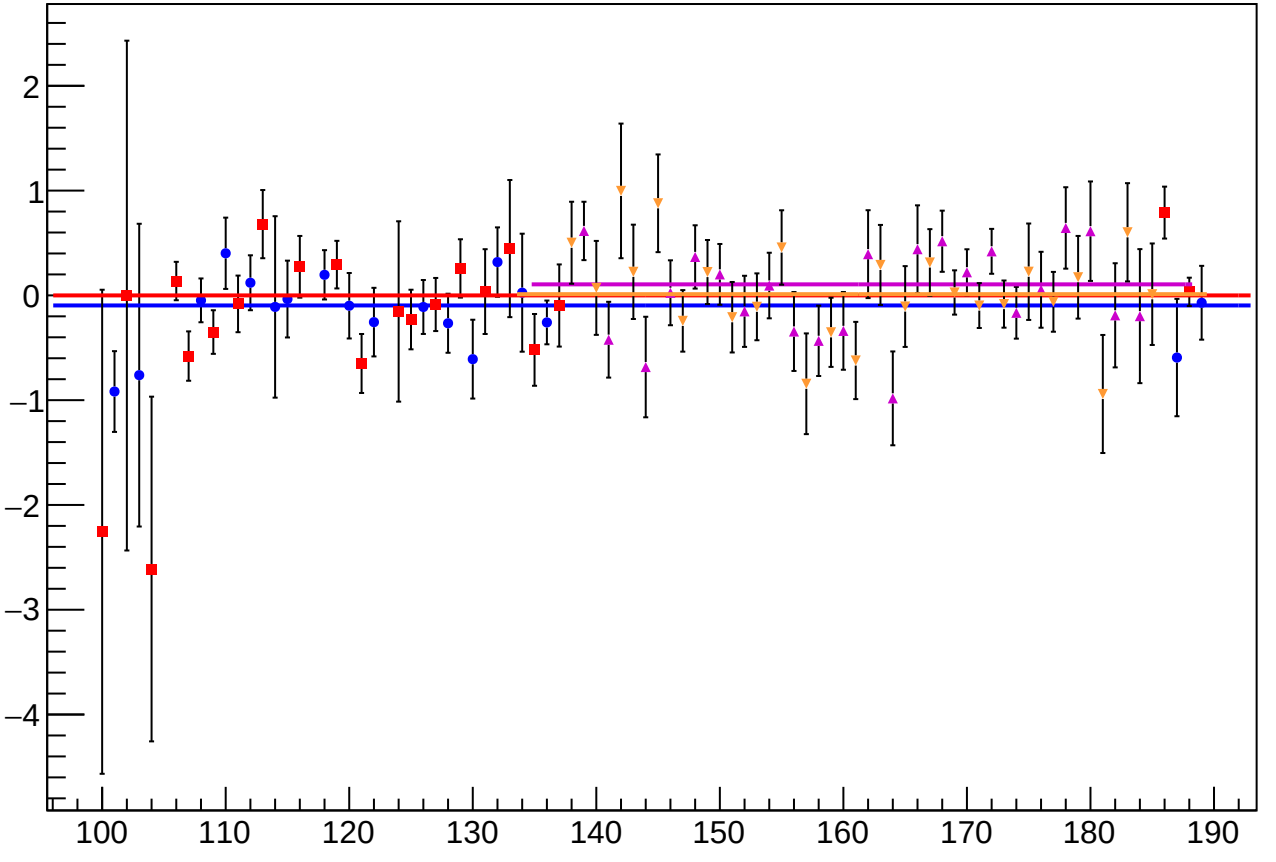
Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 240.996+/-0.035 χ^2/NDF: 5603648.4/42

All: 223.220+/-0.024 χ^2/NDF: 14323300.6/86

- sign 208.745+/-0.032 χ^2/NDF: 8264568.0/43

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.096+/-0.074 χ^2/NDF: 14.7/17

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.000+/-0.060 χ^2/NDF: 40.0/20

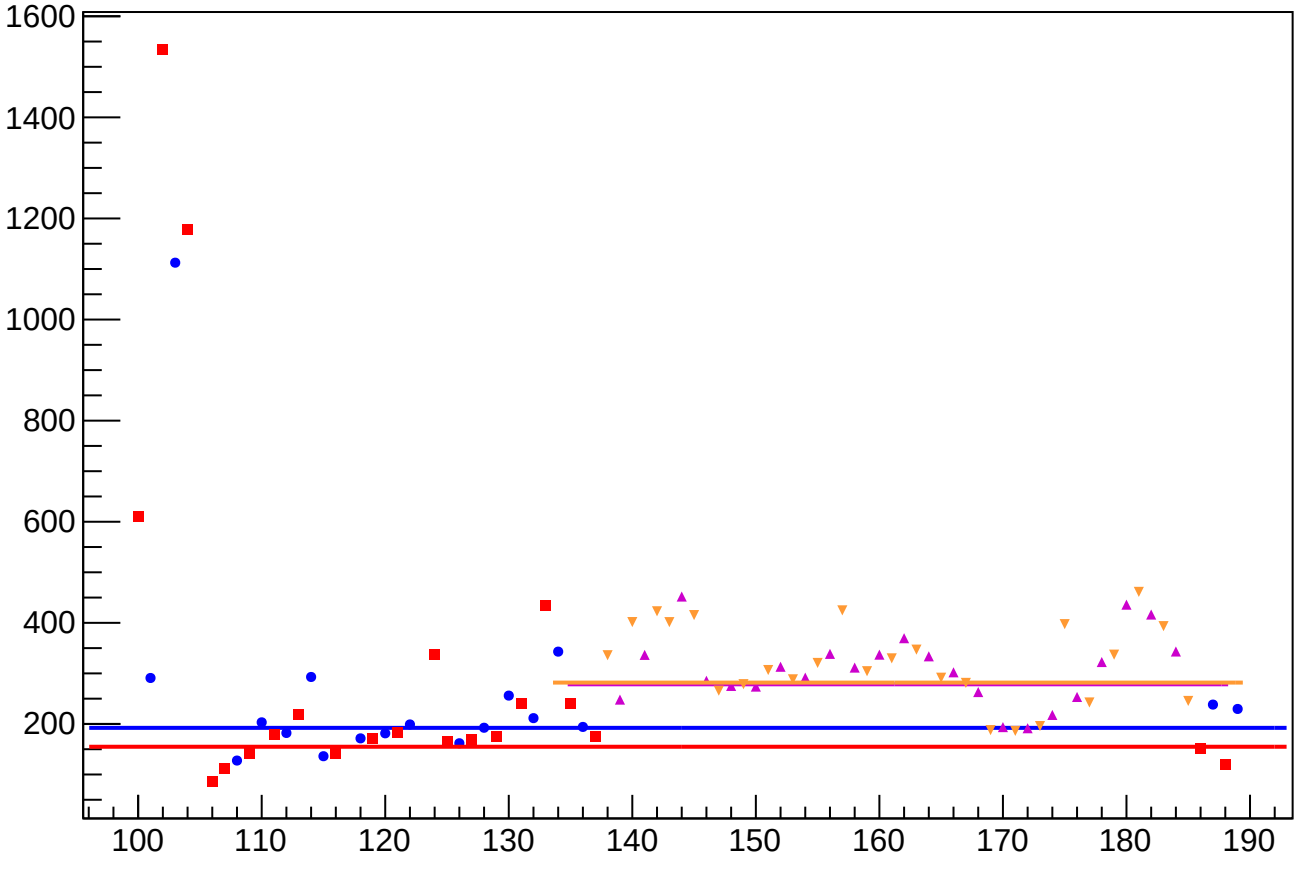
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.038+/-0.050 χ^2/NDF: 41.0/42

All: 0.008+/-0.034 χ^2/NDF: 115.3/86

- sign 0.046+/-0.045 χ^2/NDF: 72.7/43

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 192.269+/-0.053 χ^2/NDF: 1503885.3/17

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

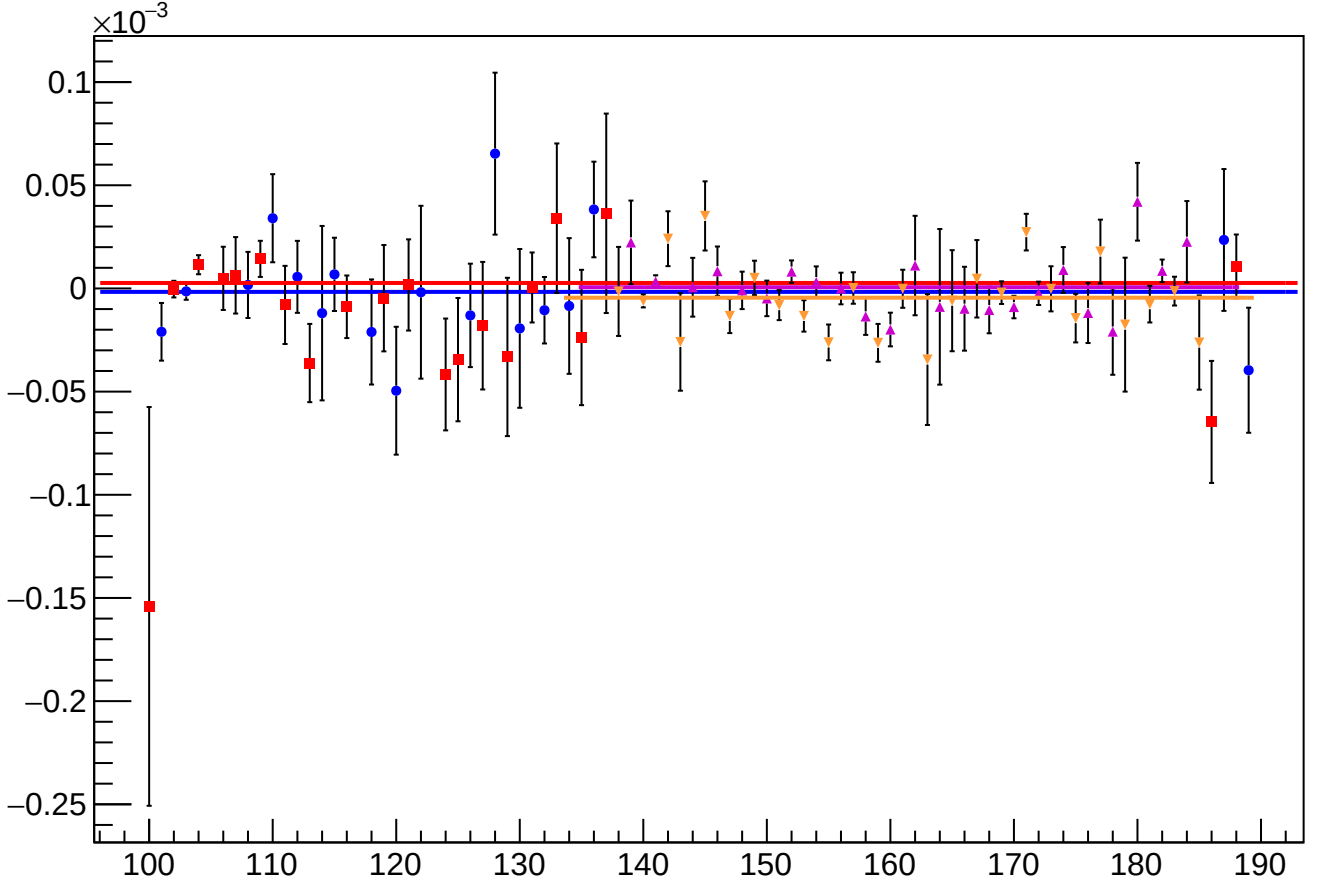
Right Out: 154.887+/-0.043 χ^2/NDF: 2807445.0/20

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 240.996+/-0.035 χ^2/NDF: 5603648.4/42

All: 223.220+/-0.024 χ^2/NDF: 14323300.6/86

- sign 208.745+/-0.032 χ^2/NDF: 8264568.0/43



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/17

Left Out: -0.000+/-0.000 χ^2/NDF:46.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.8/20

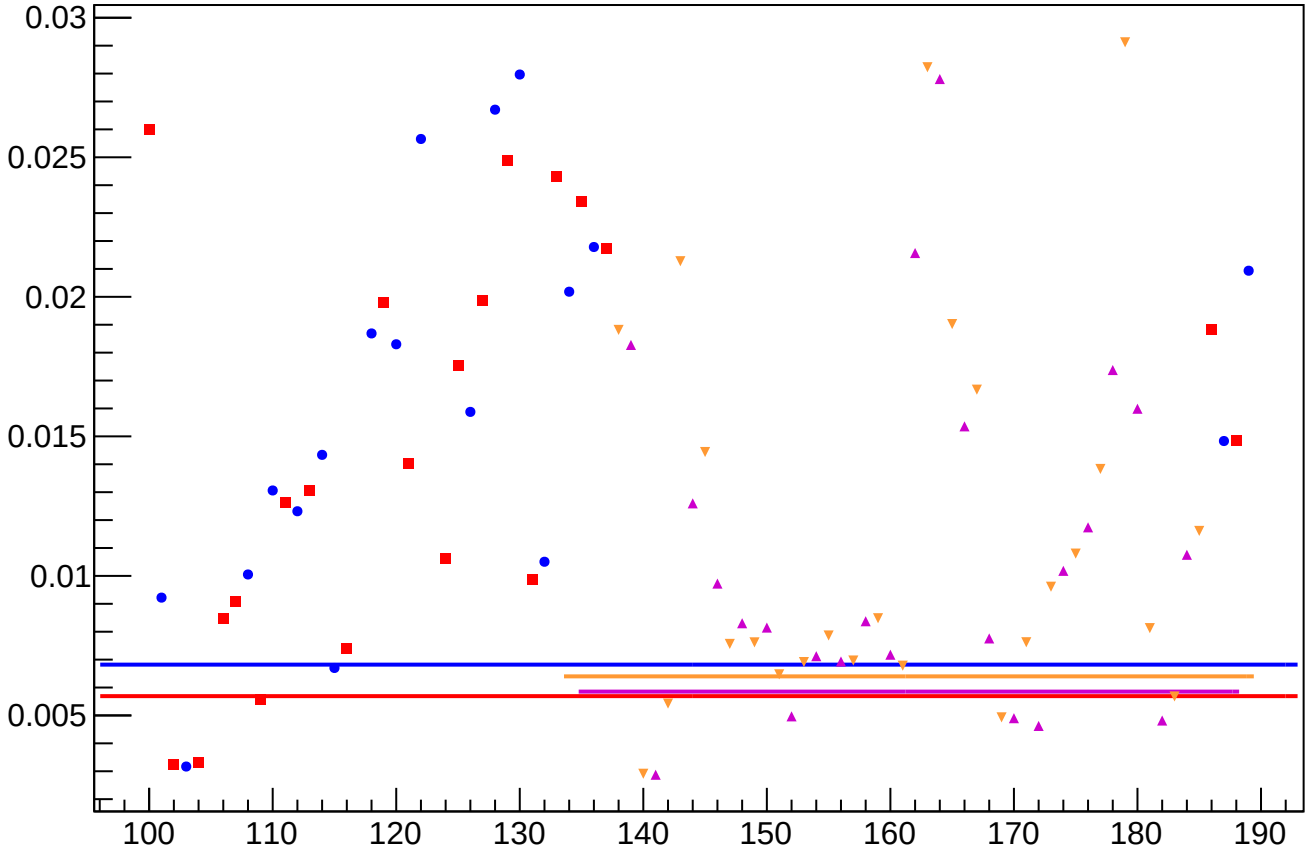
Left In: 0.000+/-0.000 χ^2/NDF:29.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 63.9/42

All: -0.000+/-0.000 χ^2/NDF: 126.4/86

- sign 0.000+/-0.000 χ^2/NDF: 56.3/43

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 6481319.1/17

Left Out: 0.006+/-0.000 χ^2/NDF:8964265.3/24

Right Out: 0.006+/-0.000 χ^2/NDF: 6823109.6/20

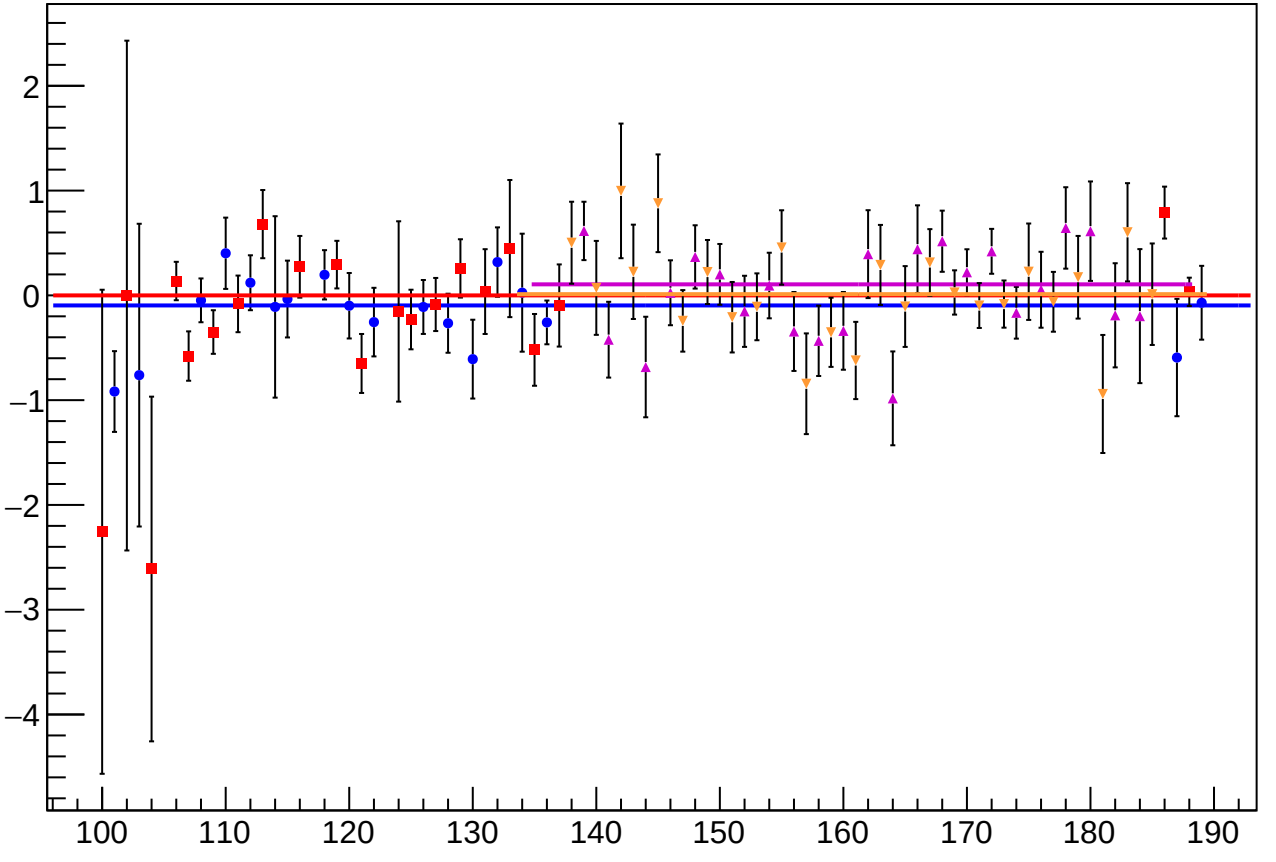
Left In: 0.006+/-0.000 χ^2/NDF:8144305.6/22

+ sign 0.006+/-0.000 χ^2/NDF: 15471411.7/42

All: 0.006+/-0.000 χ^2/NDF: 30668043.8/86

- sign 0.006+/-0.000 χ^2/NDF: 14973268.6/43

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.096+/-0.074 χ^2/NDF: 14.7/17

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.000+/-0.060 χ^2/NDF: 40.0/20

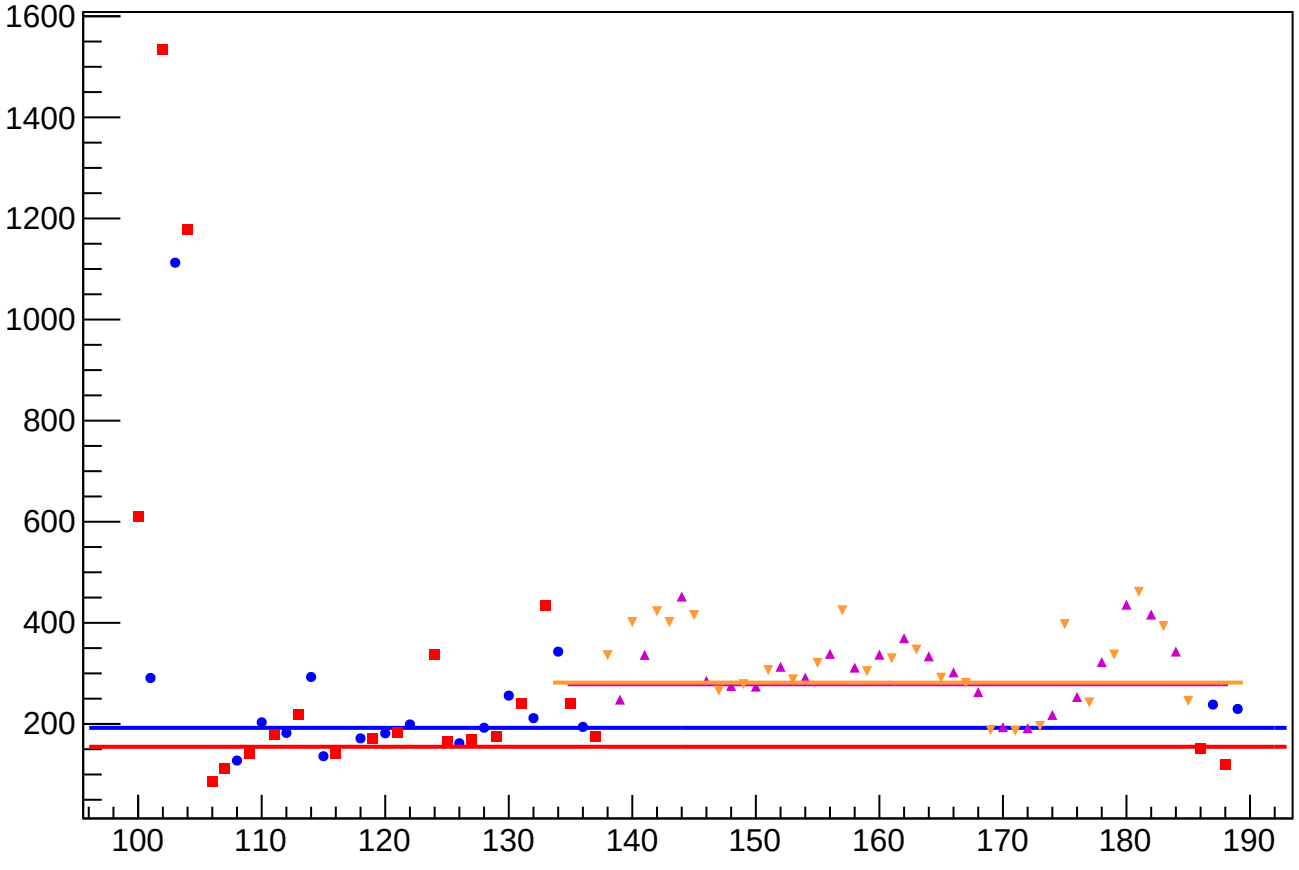
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.038+/-0.050 χ^2/NDF: 41.0/42

All: 0.008+/-0.034 χ^2/NDF: 115.3/86

- sign 0.046+/-0.045 χ^2/NDF: 72.7/43

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 192.268+/-0.053 χ^2/NDF: 1503885.0/17

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

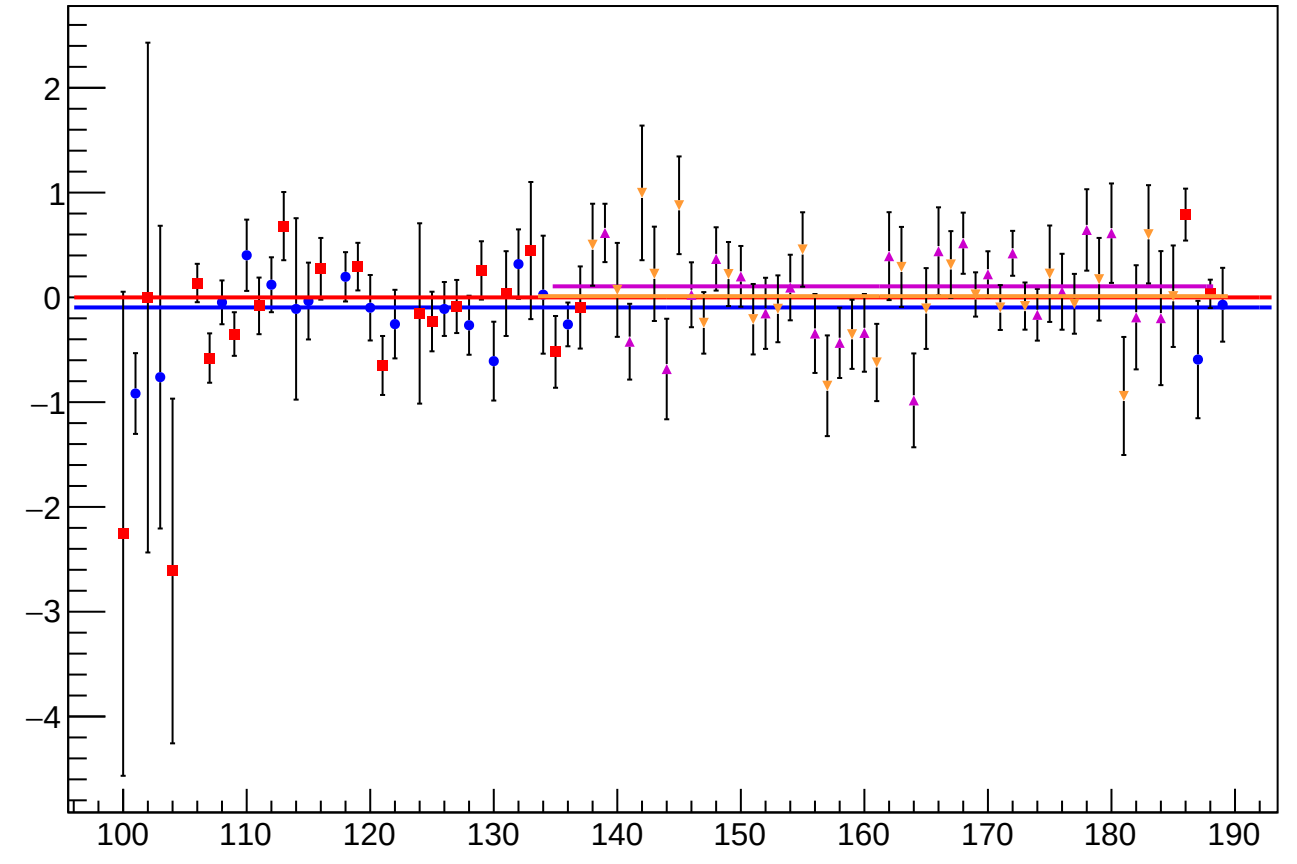
Right Out: 154.883+/-0.043 χ^2/NDF: 2807502.3/20

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

+ sign 240.997+/-0.035 χ^2/NDF: 5603806.2/42

All: 223.219+/-0.024 χ^2/NDF: 14324035.0/86

- sign 208.742+/-0.032 χ^2/NDF: 8265048.3/43



Right In: -0.096+/-0.074 χ^2/NDF: 14.7/17

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

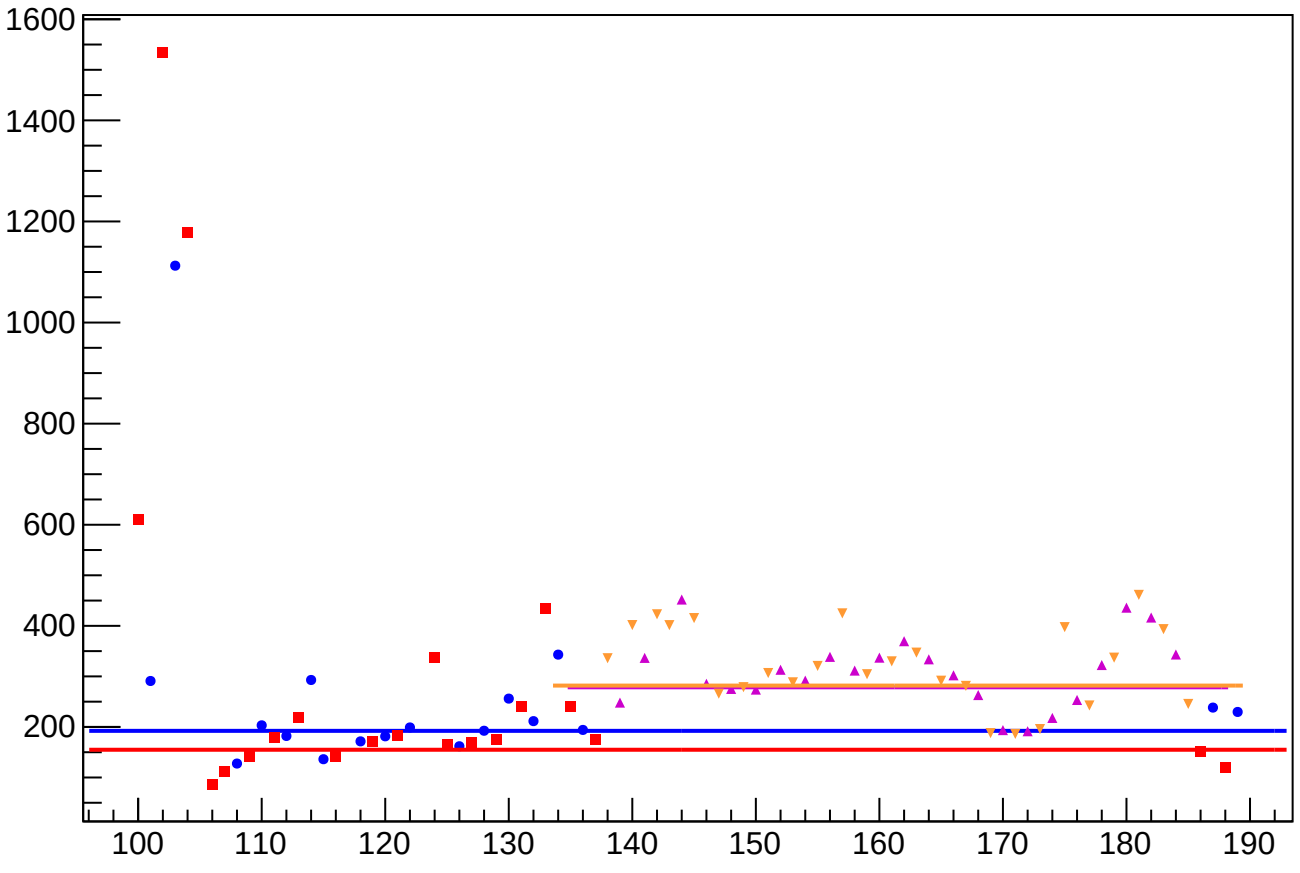
Right Out: -0.000+/-0.060 χ^2/NDF: 40.0/20

Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.038+/-0.050 χ^2/NDF: 41.0/42

All: 0.008+/-0.034 χ^2/NDF: 115.3/86

- sign 0.046+/-0.045 χ^2/NDF: 72.7/43



Right In: 192.268+/-0.053 χ^2/NDF: 1503885.0/17

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

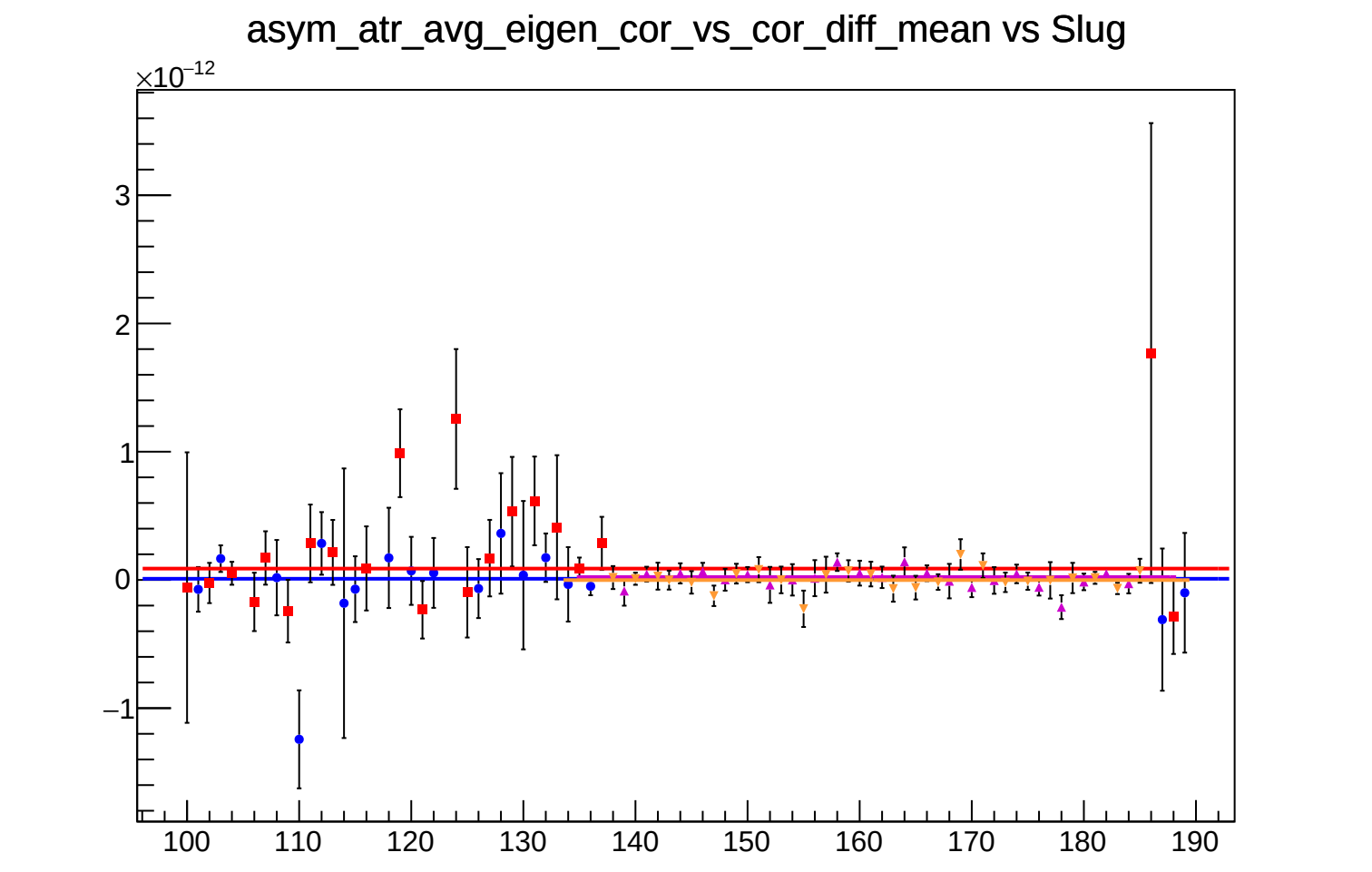
Right Out: 154.883+/-0.043 χ^2/NDF: 2807502.3/20

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

+ sign 240.997+/-0.035 χ^2/NDF: 5603806.2/42

All: 223.219+/-0.024 χ^2/NDF: 14324035.0/86

- sign 208.742+/-0.032 χ^2/NDF: 8265048.3/43



Right In: 0.000+/-0.000 χ^2/NDF: 17.5/17

Left Out: -0.000+/-0.000 χ^2/NDF:15.4/24

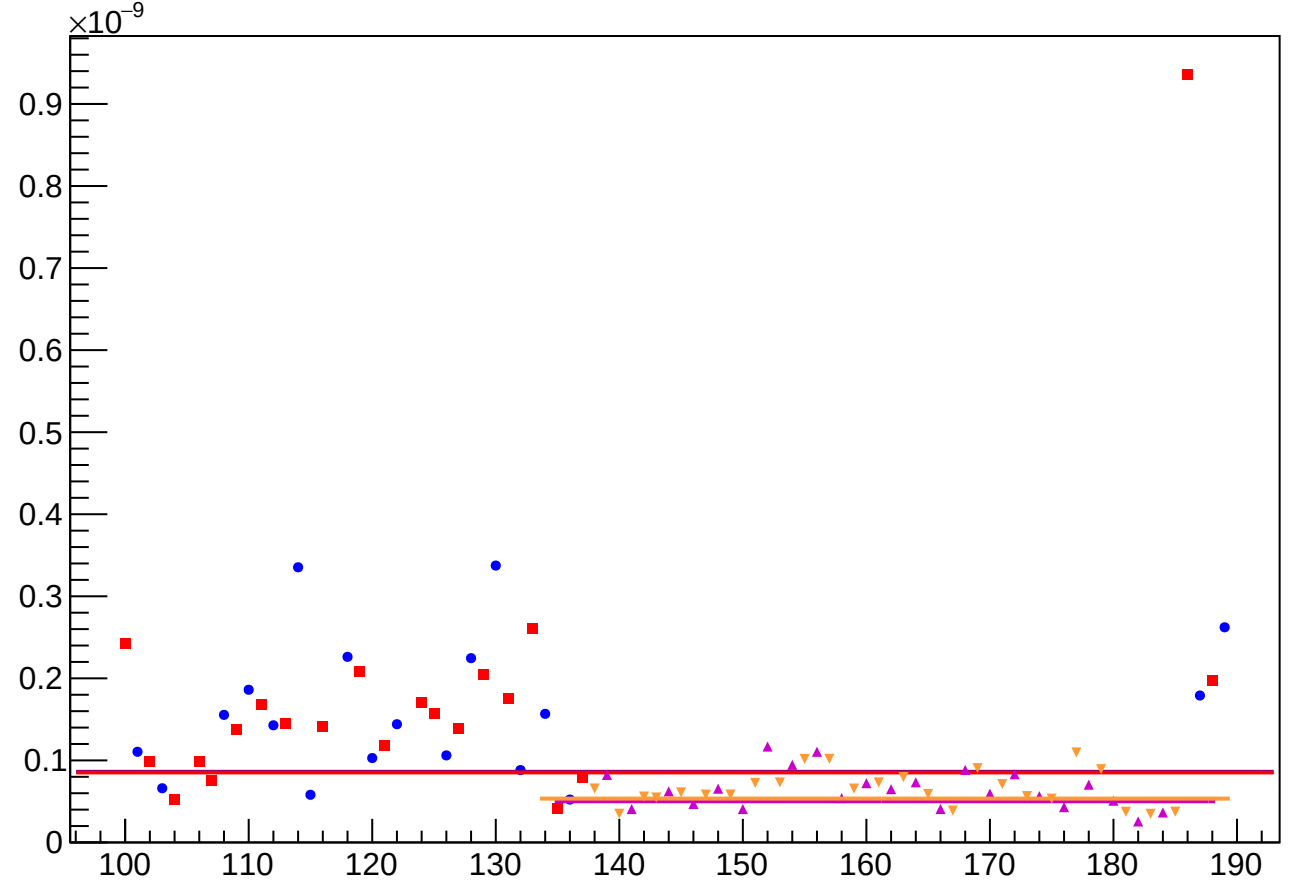
Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/20

Left In: 0.000+/-0.000 χ^2/NDF:16.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 32.9/42

All: 0.000+/-0.000 χ^2/NDF: 79.4/86

- sign 0.000+/-0.000 χ^2/NDF: 44.5/43



Right In: 0.000+/-0.000 χ^2/NDF: 2455418.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:2781376.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3025795.9/20

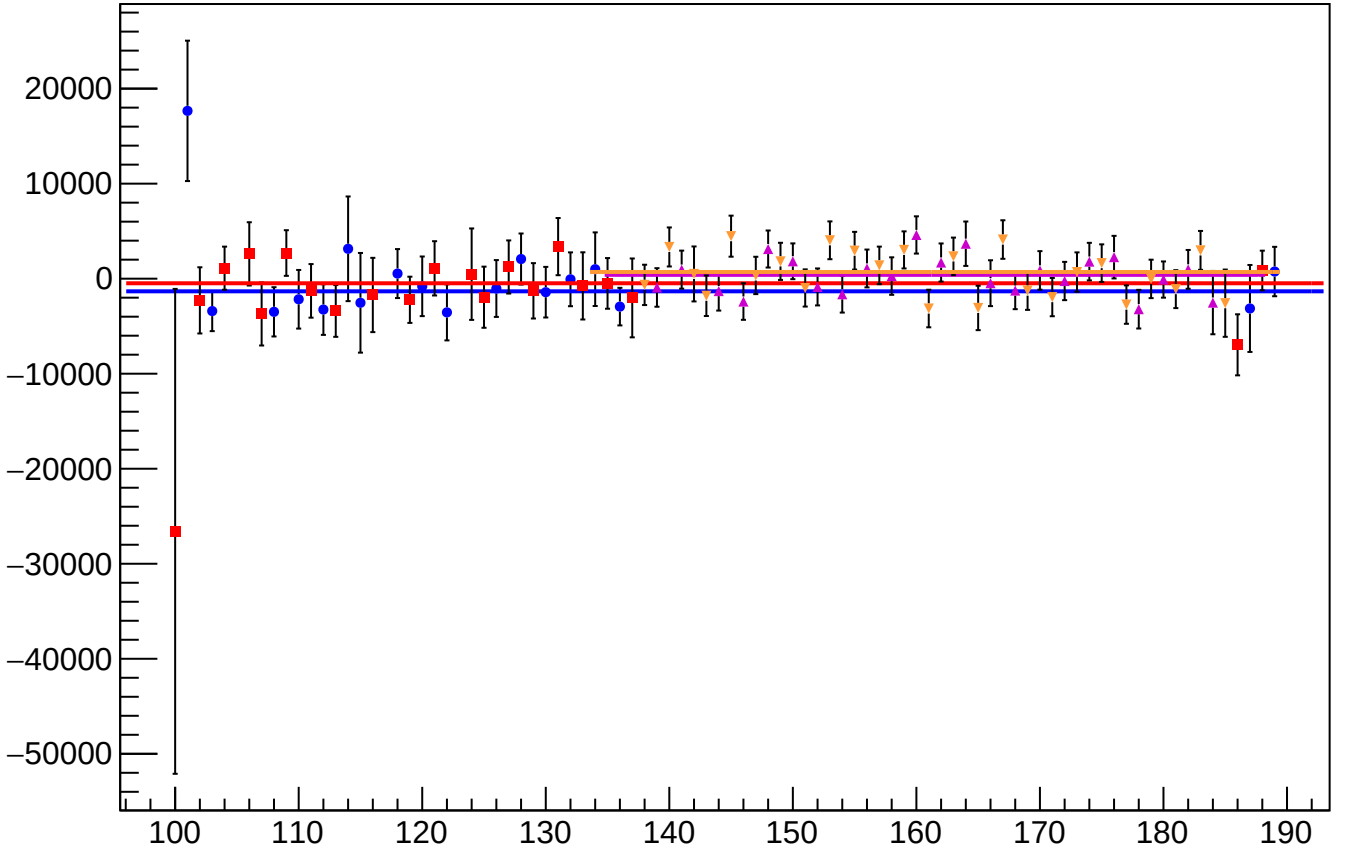
Left In: 0.000+/-0.000 χ^2/NDF:3367886.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 6166208.8/42

All: 0.000+/-0.000 χ^2/NDF: 13727406.9/86

- sign 0.000+/-0.000 χ^2/NDF: 7520740.2/43

reg_asym_atr_dd_mean vs Slug



Right In: -1330.555+/-688.752 χ^2/NDF: 14.3/17

Left Out: 705.742+/-415.383 χ^2/NDF:31.9/24

Right Out: -483.267+/-652.038 χ^2/NDF: 14.5/20

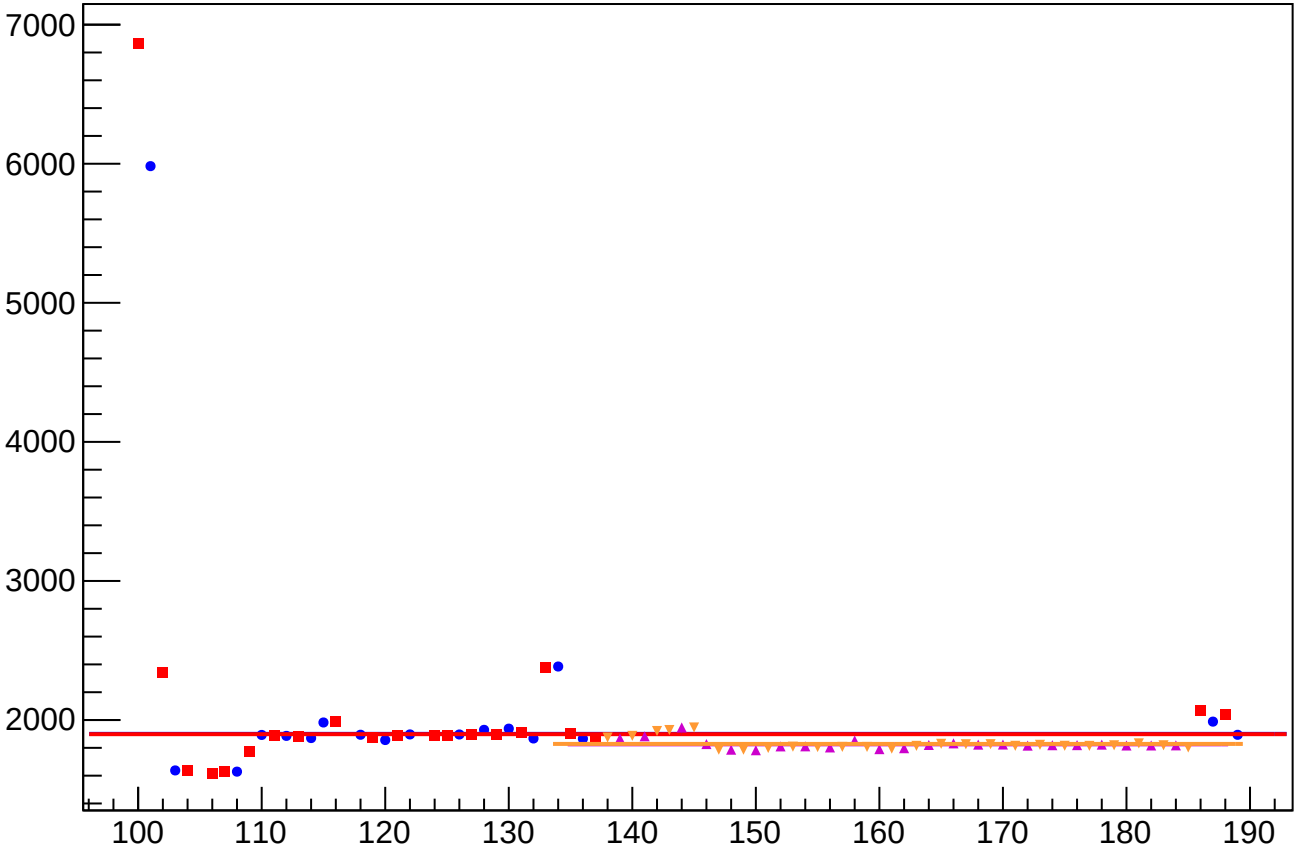
Left In: 403.144+/-426.215 χ^2/NDF:20.7/22

+ sign 162.633+/-355.702 χ^2/NDF: 52.7/42

All: 150.245+/-251.892 χ^2/NDF: 89.2/86

- sign 137.783+/-356.758 χ^2/NDF: 36.5/43

reg_asym_atr_dd_rms vs Slug



Right In: 1900.505+/-0.487 χ^2/NDF: 698279.1/17

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

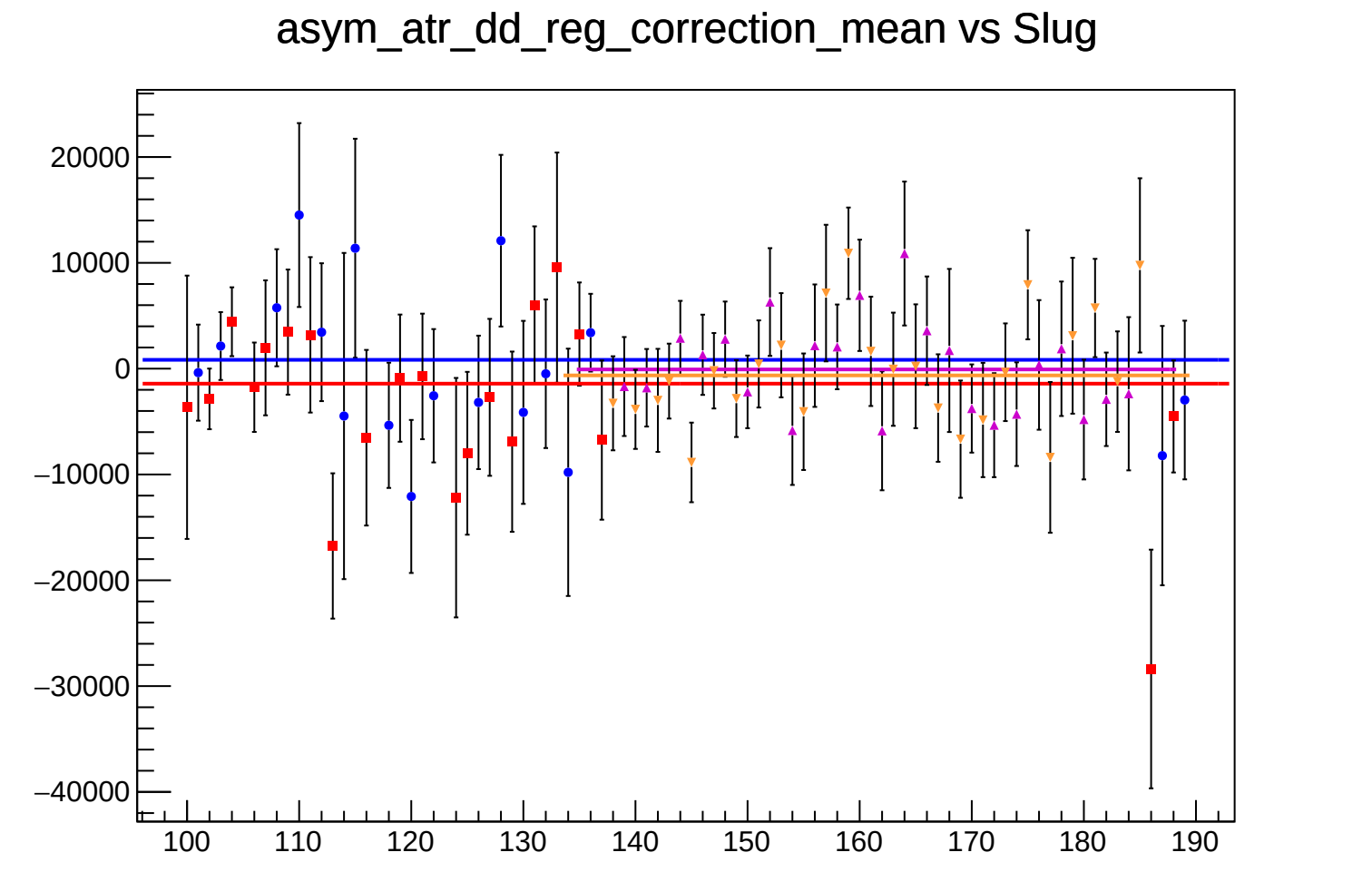
Right Out: 1898.302+/-0.460 χ^2/NDF: 224838.2/20

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

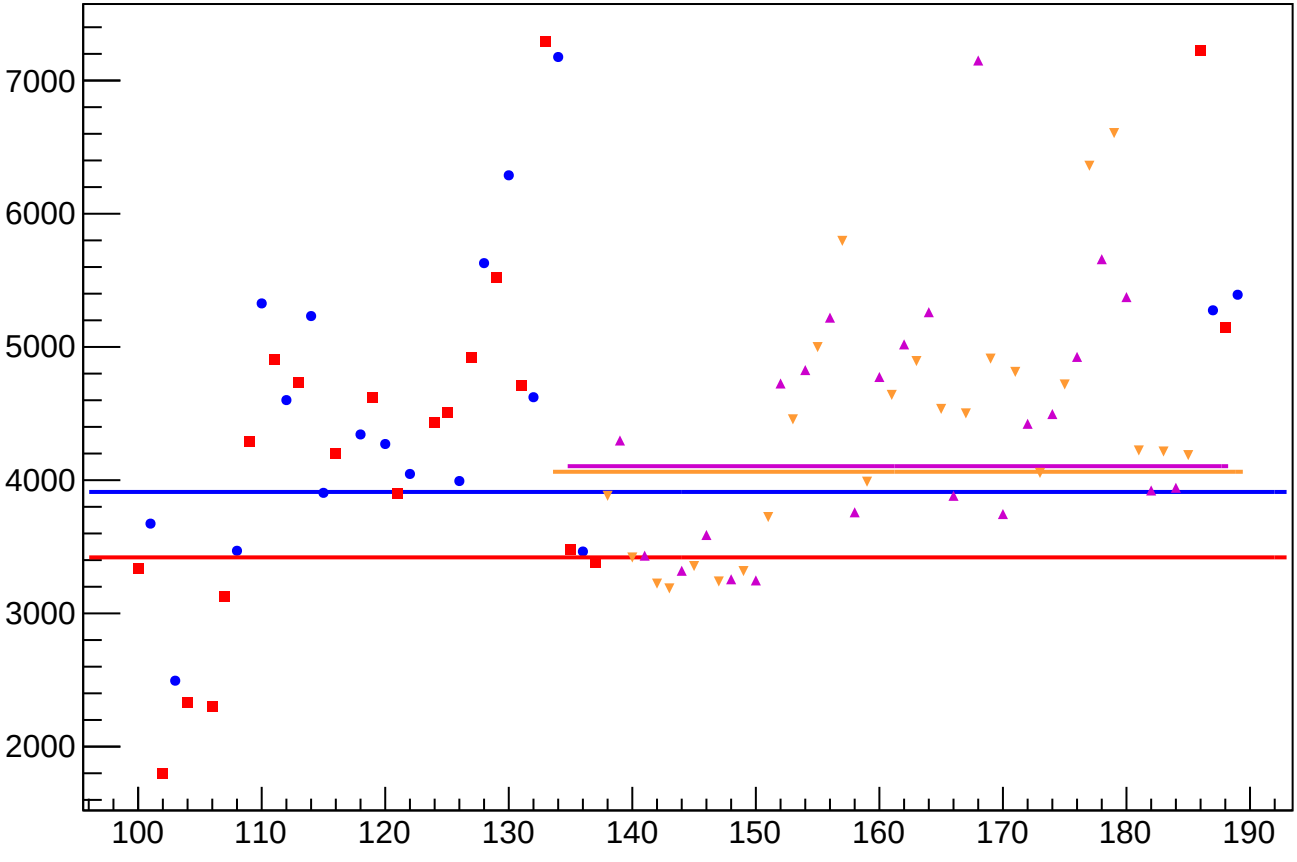
+ sign 1847.516+/-0.252 χ^2/NDF: 733751.7/42

All: 1847.333+/-0.178 χ^2/NDF: 989653.3/86

- sign 1847.149+/-0.252 χ^2/NDF: 255900.5/43


asym_atr_dd_reg_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: 833.001+/-1441.221 χ²/NDF: 14.2/17
Left Out: -637.703+/-946.866 χ²/NDF:26.0/24
Right Out: -1418.210+/-1261.145 χ²/NDF: 21.9/20
Left In: -75.764+/-980.243 χ²/NDF:15.4/22
+ sign -194.289+/-791.357 χ²/NDF: 40.9/42
All: -392.122+/-553.317 χ²/NDF: 79.0/86
- sign -581.347+/-773.950 χ²/NDF: 38.0/43

asym_atr_dd_reg_correction_rms vs Slug



Right In: 3911.645+/-1.019 χ^2/NDF: 1064971.5/17

Left Out: 4063.108+/-0.670 χ^2/NDF:1405036.2/24

Right Out: 3420.540+/-0.892 χ^2/NDF: 2333600.5/20

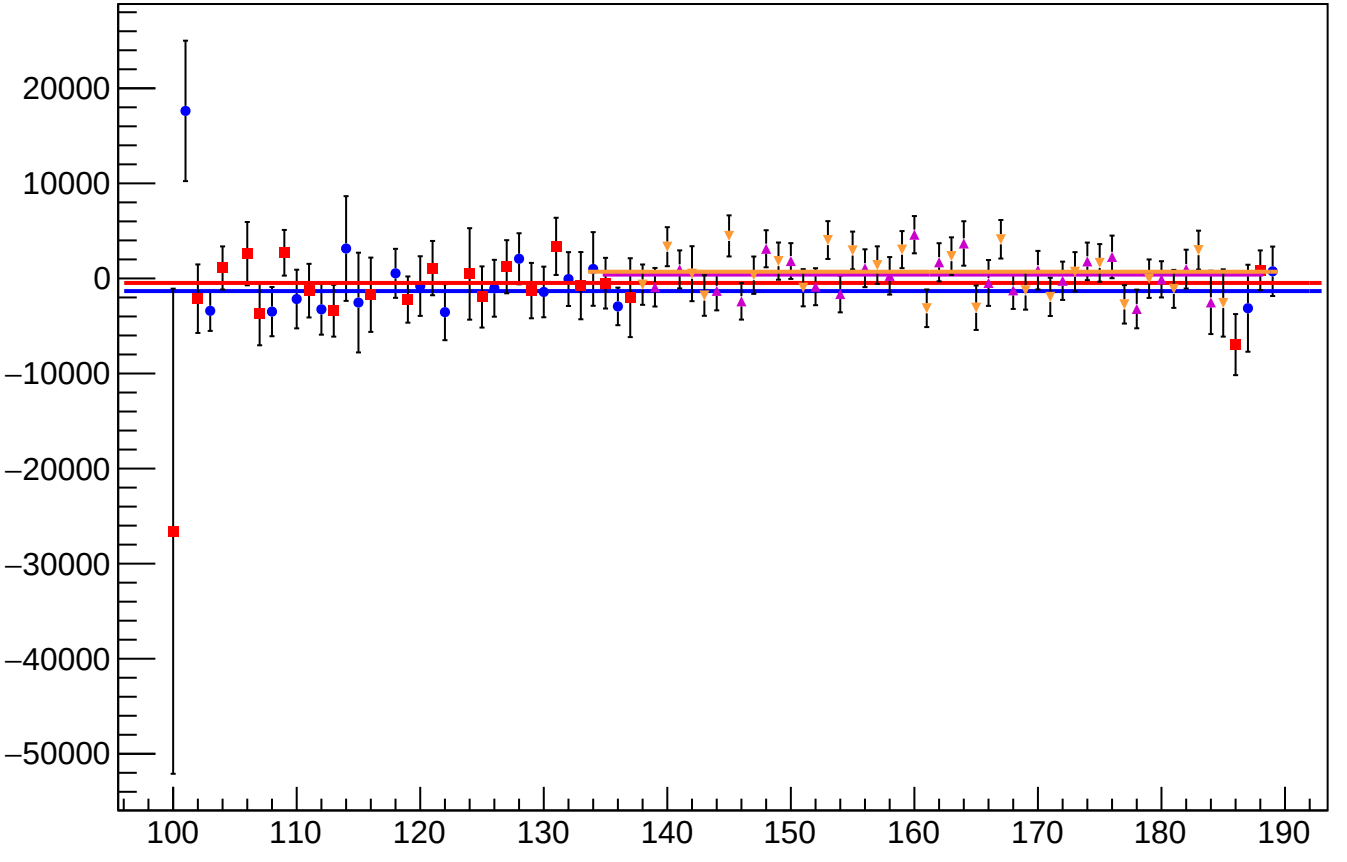
Left In: 4105.057+/-0.693 χ^2/NDF:1359493.1/22

+ sign 4017.442+/-0.560 χ^2/NDF: 2485437.2/42

All: 3930.459+/-0.391 χ^2/NDF: 6593111.0/86

- sign 3847.260+/-0.547 χ^2/NDF: 4060398.0/43

cor_asym_atr_dd_mean vs Slug



Right In: -1330.917+/-688.752 χ^2/NDF: 14.3/17

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: -474.615+/-652.795 χ^2/NDF: 14.4/20

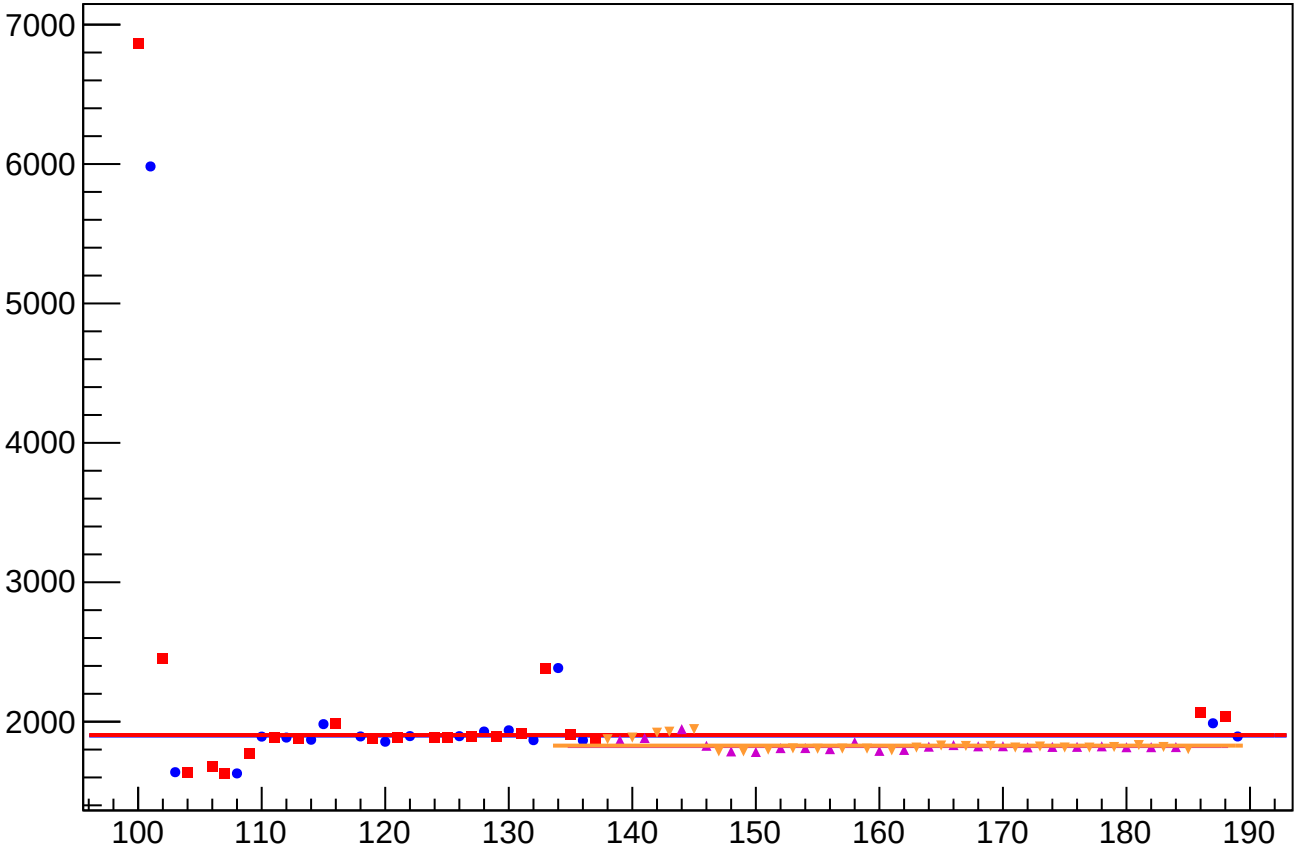
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

+ sign 162.580+/-355.702 χ^2/NDF: 52.6/42

All: 151.669+/-251.935 χ^2/NDF: 89.1/86

- sign 140.686+/-356.882 χ^2/NDF: 36.4/43

cor_asym_atr_dd_rms vs Slug



Right In: 1900.505+/-0.487 χ^2/NDF: 698279.3/17

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

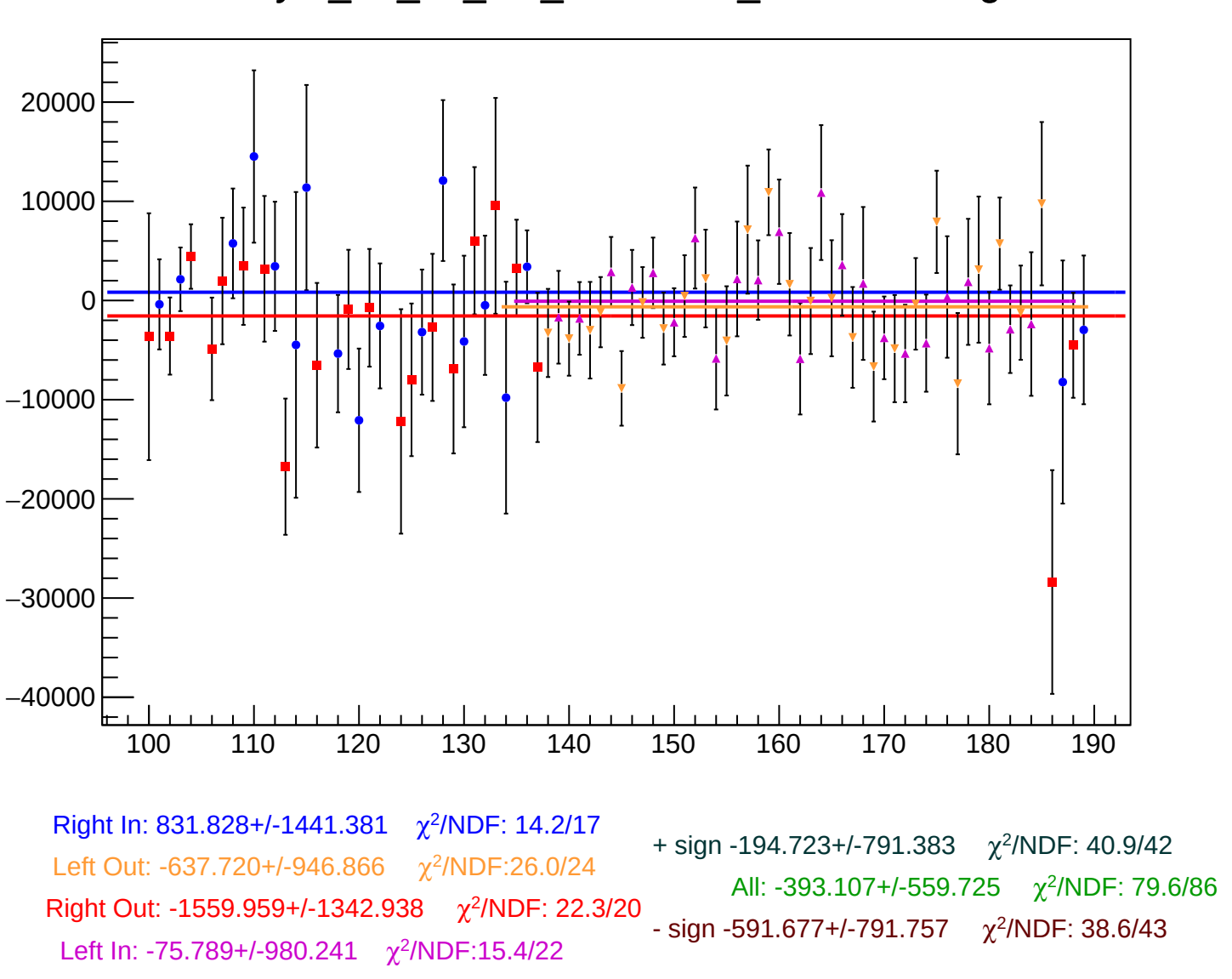
Right Out: 1904.252+/-0.461 χ^2/NDF: 232431.3/20

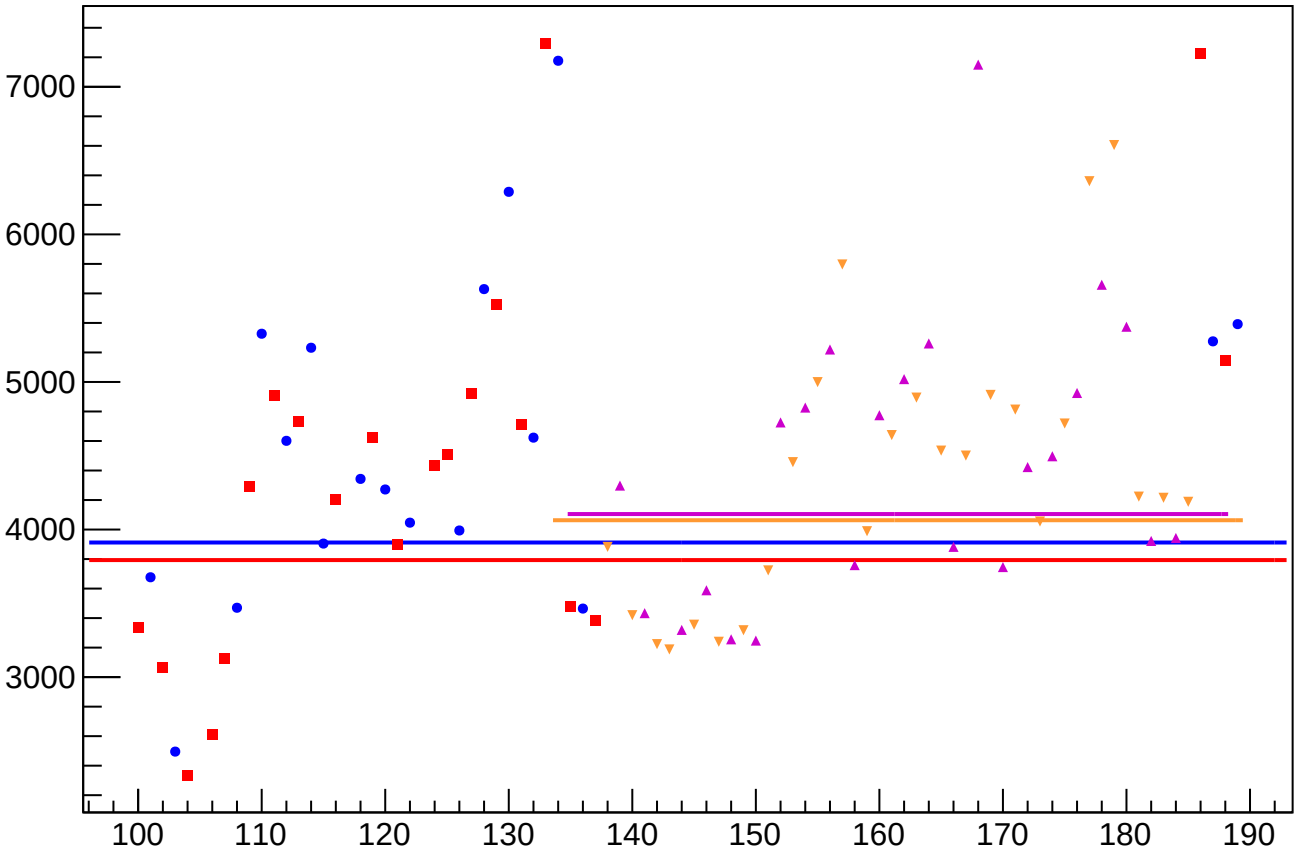
Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1847.516+/-0.252 χ^2/NDF: 733751.8/42

All: 1848.179+/-0.178 χ^2/NDF: 1000177.5/86

- sign 1848.846+/-0.252 χ^2/NDF: 266411.8/43


asym_atr_dd_cor_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: 831.828+/-1441.381 χ²/NDF: 14.2/17
Left Out: -637.720+/-946.866 χ²/NDF:26.0/24
Right Out: -1559.959+/-1342.938 χ²/NDF: 22.3/20
Left In: -75.789+/-980.241 χ²/NDF:15.4/22
+ sign -194.723+/-791.383 χ²/NDF: 40.9/42
All: -393.107+/-559.725 χ²/NDF: 79.6/86
- sign -591.677+/-791.757 χ²/NDF: 38.6/43



Right In: 3912.162+/-1.019 χ^2/NDF: 1064433.5/17

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 3793.103+/-0.950 χ^2/NDF: 1463575.0/20

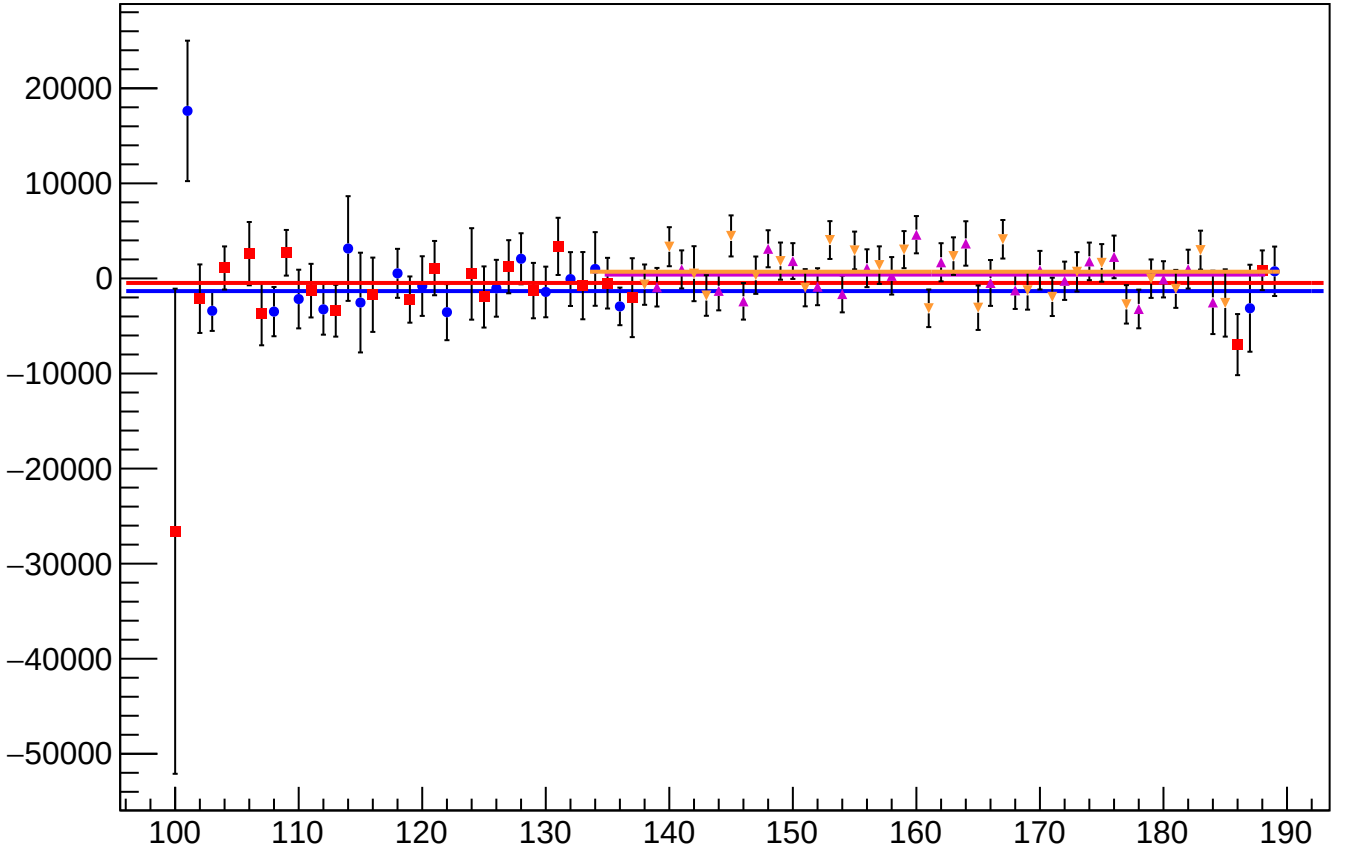
Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 4017.604+/-0.560 χ^2/NDF: 2484785.5/42

All: 4007.116+/-0.396 χ^2/NDF: 5378968.9/86

- sign 3996.619+/-0.560 χ^2/NDF: 2893480.7/43

eigen_cor_asym_atr_dd_mean vs Slug



Right In: -1330.917+/-688.752 χ^2/NDF: 14.3/17

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: -474.615+/-652.795 χ^2/NDF: 14.4/20

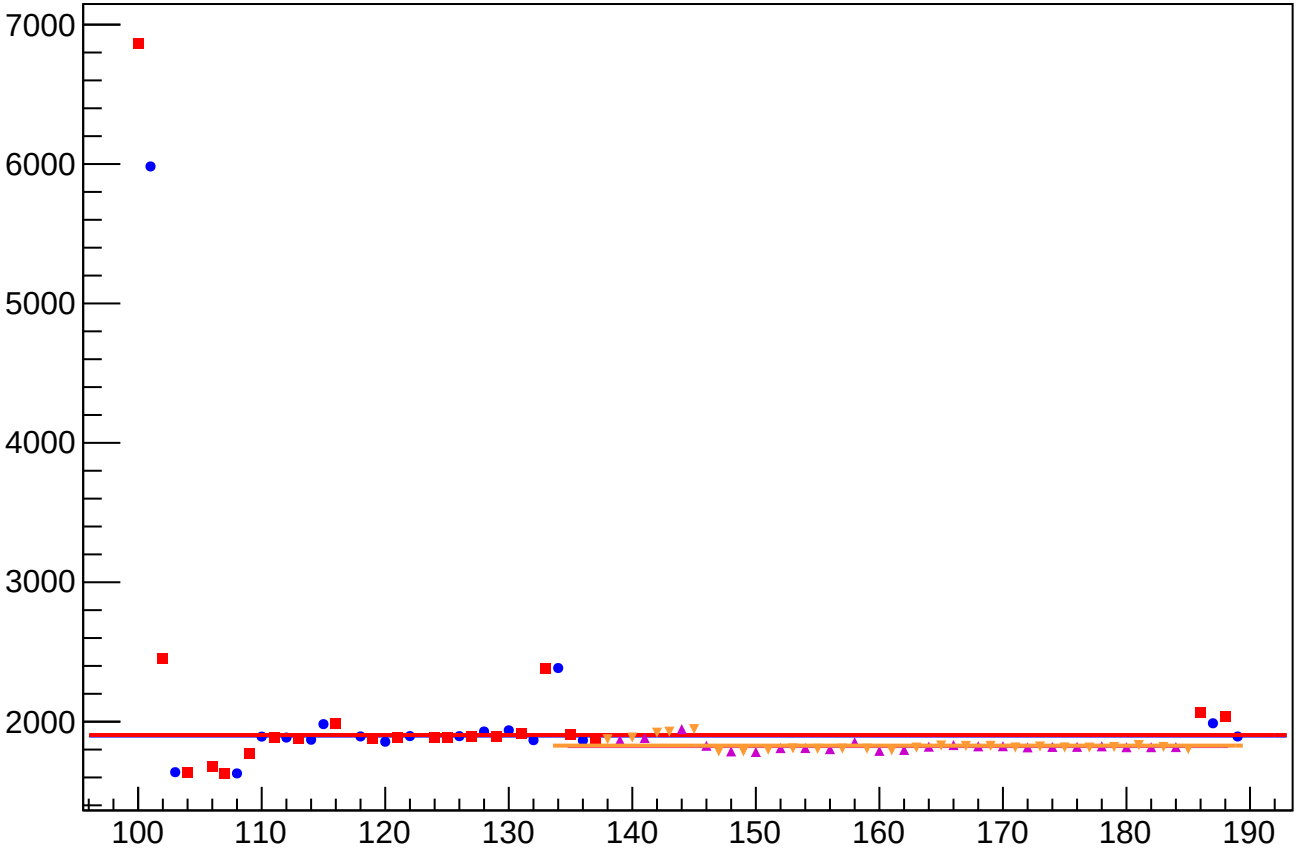
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

+ sign 162.580+/-355.702 χ^2/NDF: 52.6/42

All: 151.669+/-251.935 χ^2/NDF: 89.1/86

- sign 140.686+/-356.882 χ^2/NDF: 36.4/43

eigen_cor_asym_atr_dd_rms vs Slug



Right In: 1900.505+/-0.487 χ^2/NDF: 698279.3/17

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

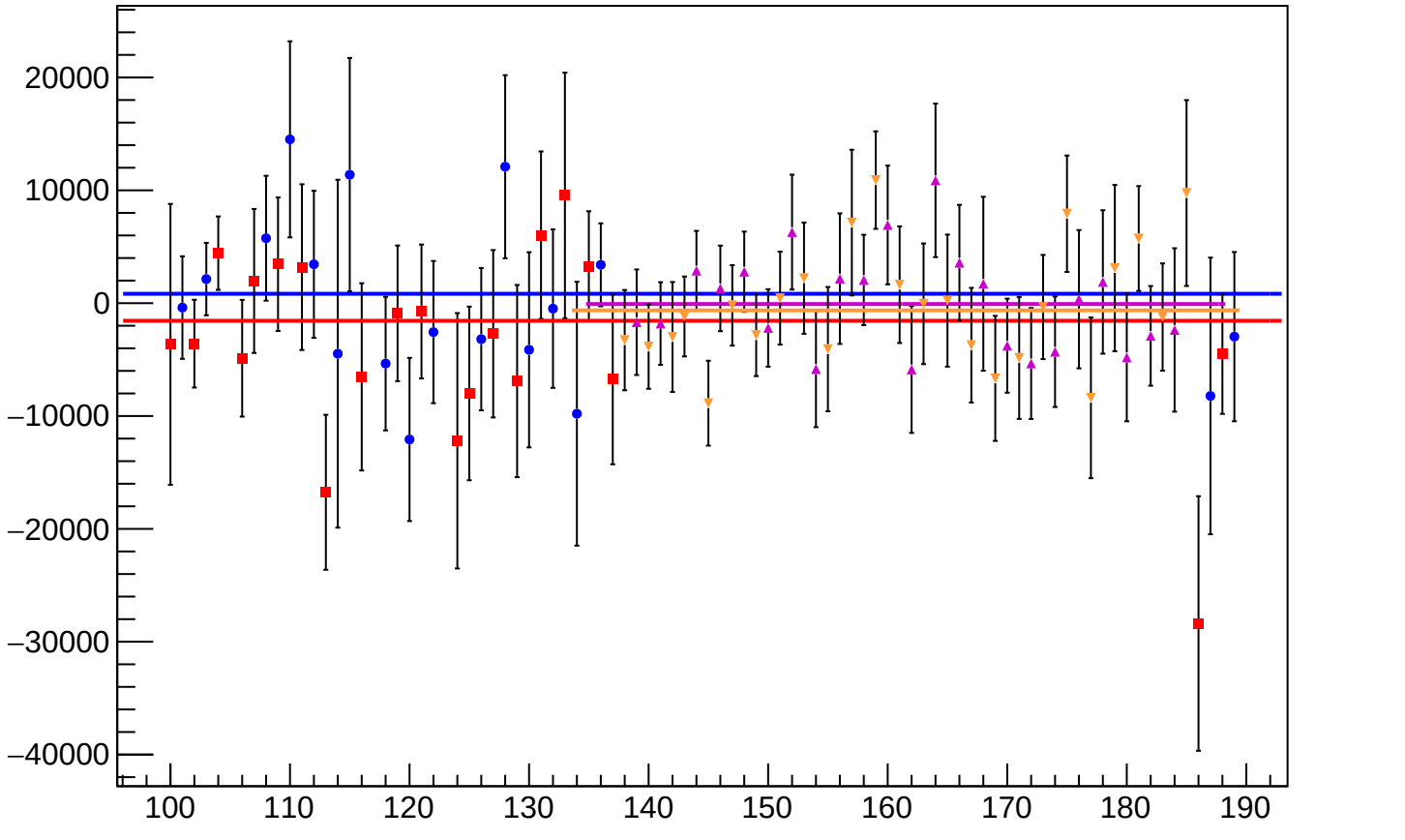
Right Out: 1904.252+/-0.461 χ^2/NDF: 232431.3/20

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1847.516+/-0.252 χ^2/NDF: 733751.8/42

All: 1848.179+/-0.178 χ^2/NDF: 1000177.5/86

- sign 1848.846+/-0.252 χ^2/NDF: 266411.8/43



Right In: 831.828+/-1441.381 χ^2/NDF: 14.2/17

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

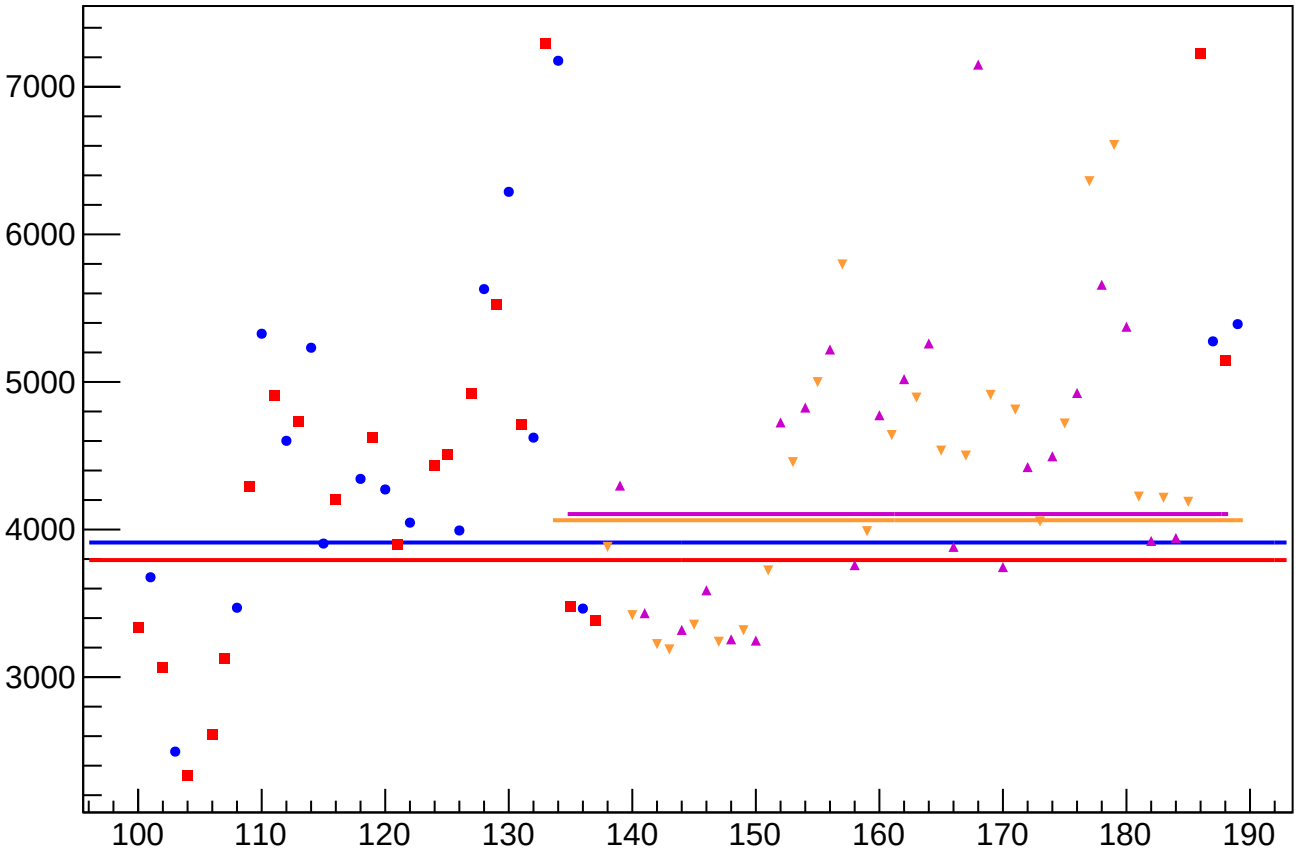
Right Out: -1559.959+/-1342.938 χ^2/NDF: 22.3/20

Left In: -75.789+/-980.241 χ^2/NDF:15.4/22

+ sign -194.723+/-791.383 χ^2/NDF: 40.9/42

All: -393.107+/-559.725 χ^2/NDF: 79.6/86

- sign -591.677+/-791.757 χ^2/NDF: 38.6/43



Right In: 3912.162+/-1.019 χ^2/NDF: 1064433.5/17

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 3793.103+/-0.950 χ^2/NDF: 1463575.0/20

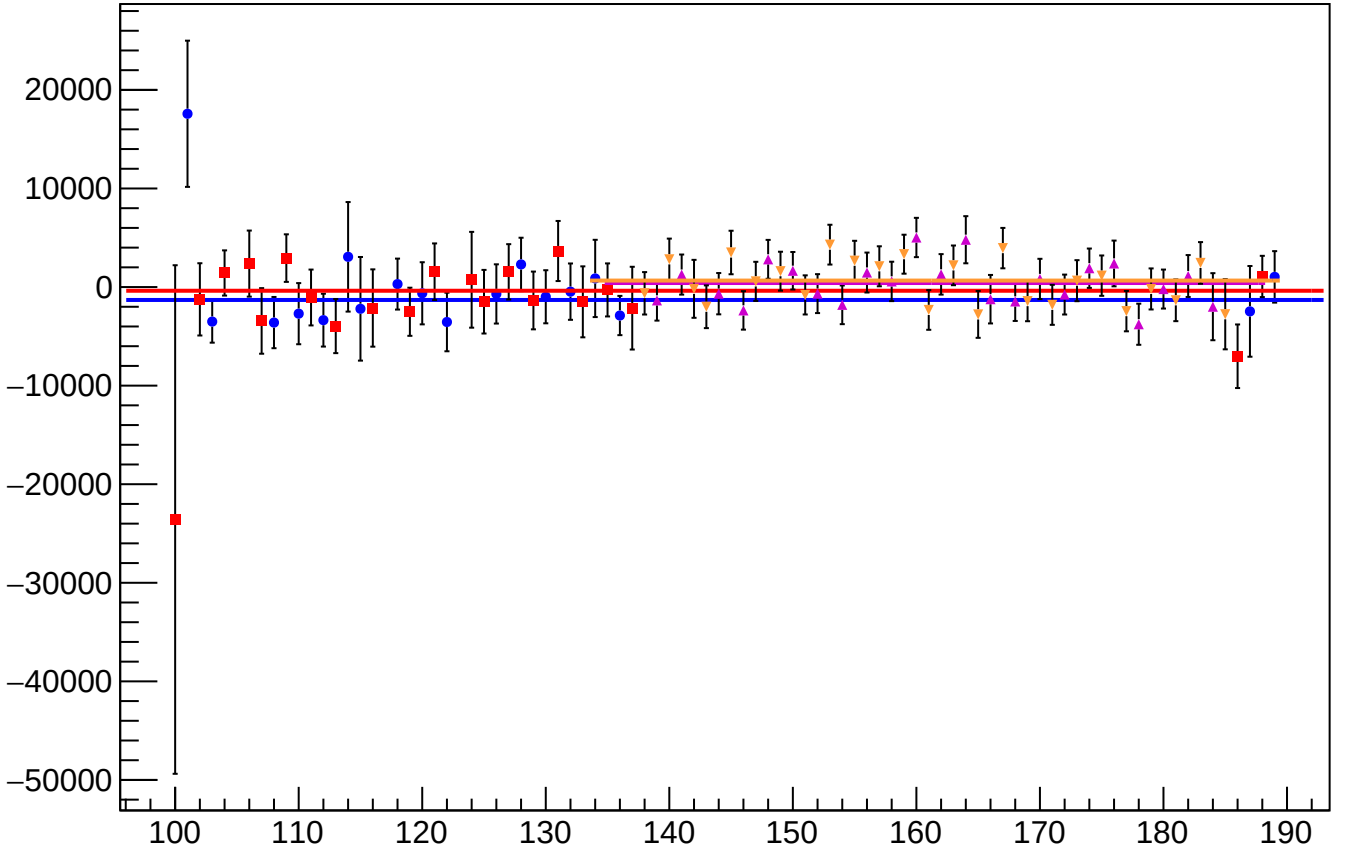
Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 4017.604+/-0.560 χ^2/NDF: 2484785.5/42

All: 4007.116+/-0.396 χ^2/NDF: 5378968.9/86

- sign 3996.619+/-0.560 χ^2/NDF: 2893480.7/43

dit_asym_atr_dd_mean vs Slug



Right In: -1309.406+/-693.477 χ^2/NDF: 14.5/17

Left Out: 657.616+/-423.063 χ^2/NDF:27.0/24

Right Out: -374.468+/-657.290 χ^2/NDF: 15.6/20

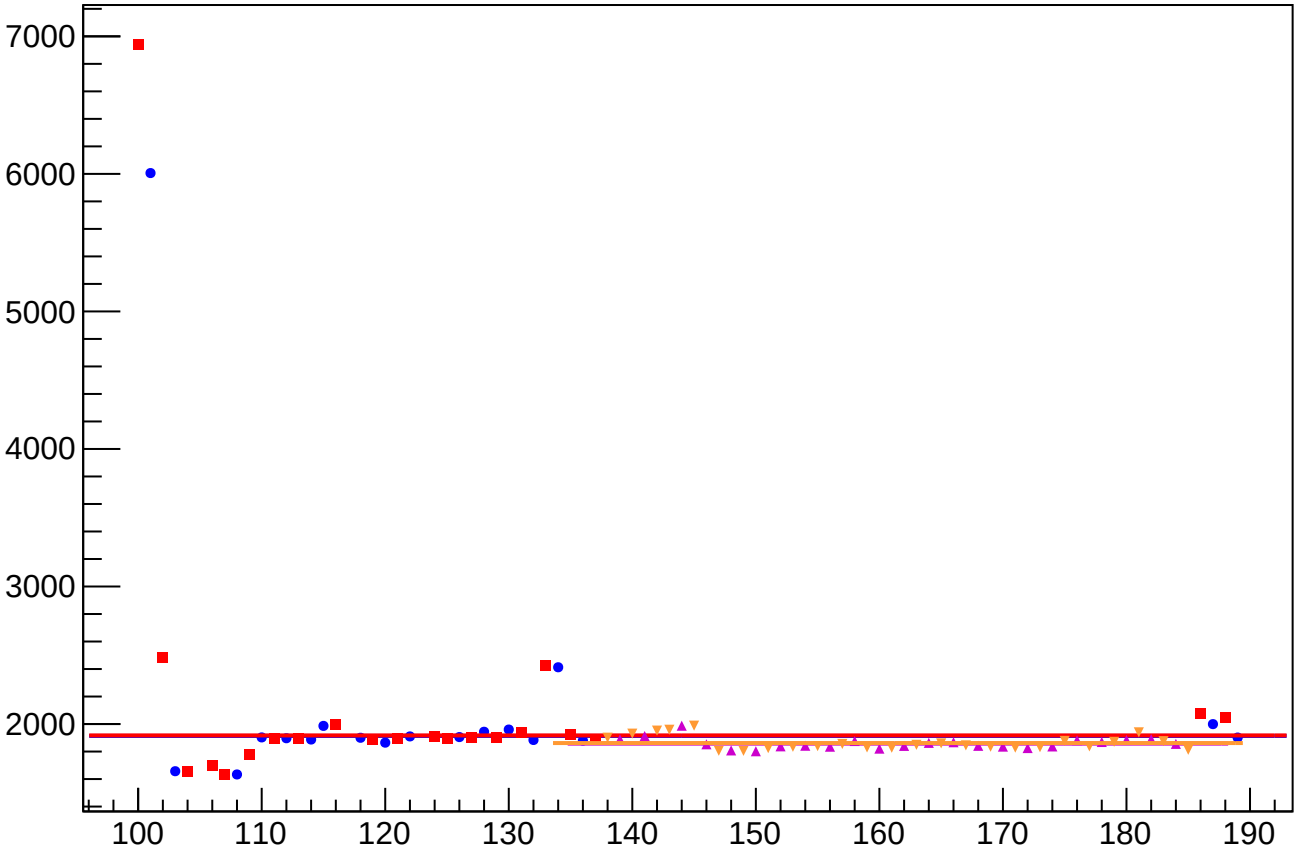
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

+ sign 124.101+/-361.161 χ^2/NDF: 47.4/42

All: 148.260+/-255.707 χ^2/NDF: 87.6/86

- sign 172.542+/-362.089 χ^2/NDF: 40.2/43

dit_asym_atr_dd_rms vs Slug



Right In: 1913.609+/-0.490 χ^2/NDF: 696963.0/17

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

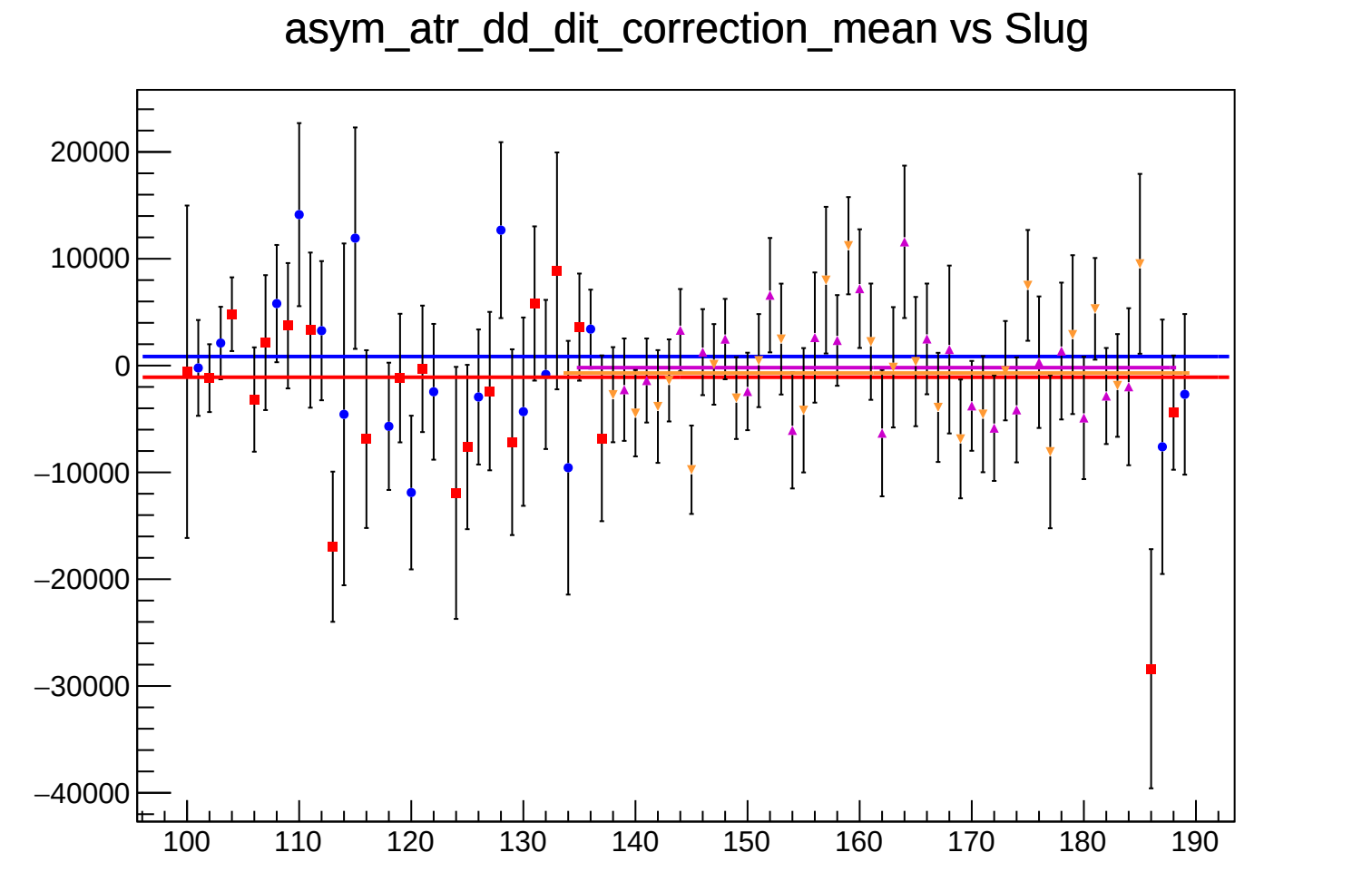
Right Out: 1917.234+/-0.464 χ^2/NDF: 234273.0/20

Left In: 1857.661+/-0.307 χ^2/NDF:16381.0/22

+ sign 1875.802+/-0.255 χ^2/NDF: 731134.8/42

All: 1875.782+/-0.181 χ^2/NDF: 993246.9/86

- sign 1875.763+/-0.256 χ^2/NDF: 262112.1/43



Right In: 846.019+/-1457.765 χ^2/NDF: 14.2/17

Left Out: -698.287+/-990.035 χ^2/NDF:25.3/24

Right Out: -1091.450+/-1318.625 χ^2/NDF: 21.6/20

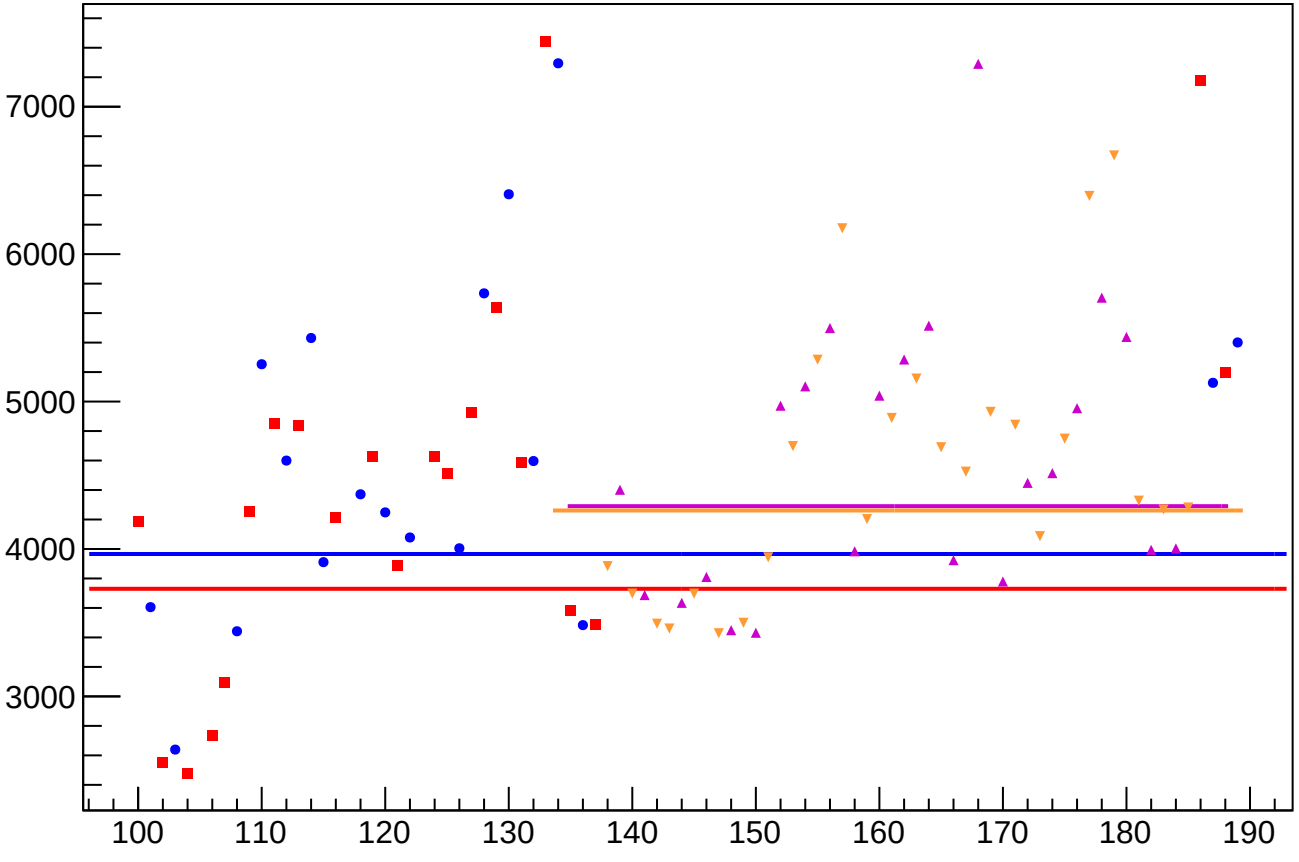
Left In: -192.486+/-1022.469 χ^2/NDF:15.2/22

+ sign -210.828+/-819.011 χ^2/NDF: 40.3/42

All: -372.590+/-575.202 χ^2/NDF: 77.4/86

- sign -530.037+/-808.016 χ^2/NDF: 37.0/43

asym_atr_dd_dit_correction_rms vs Slug



Right In: 3966.013+/-1.031 χ^2/NDF: 975339.7/17

Left Out: 4261.124+/-0.700 χ^2/NDF:1190561.4/24

Right Out: 3730.016+/-0.932 χ^2/NDF: 1585666.6/20

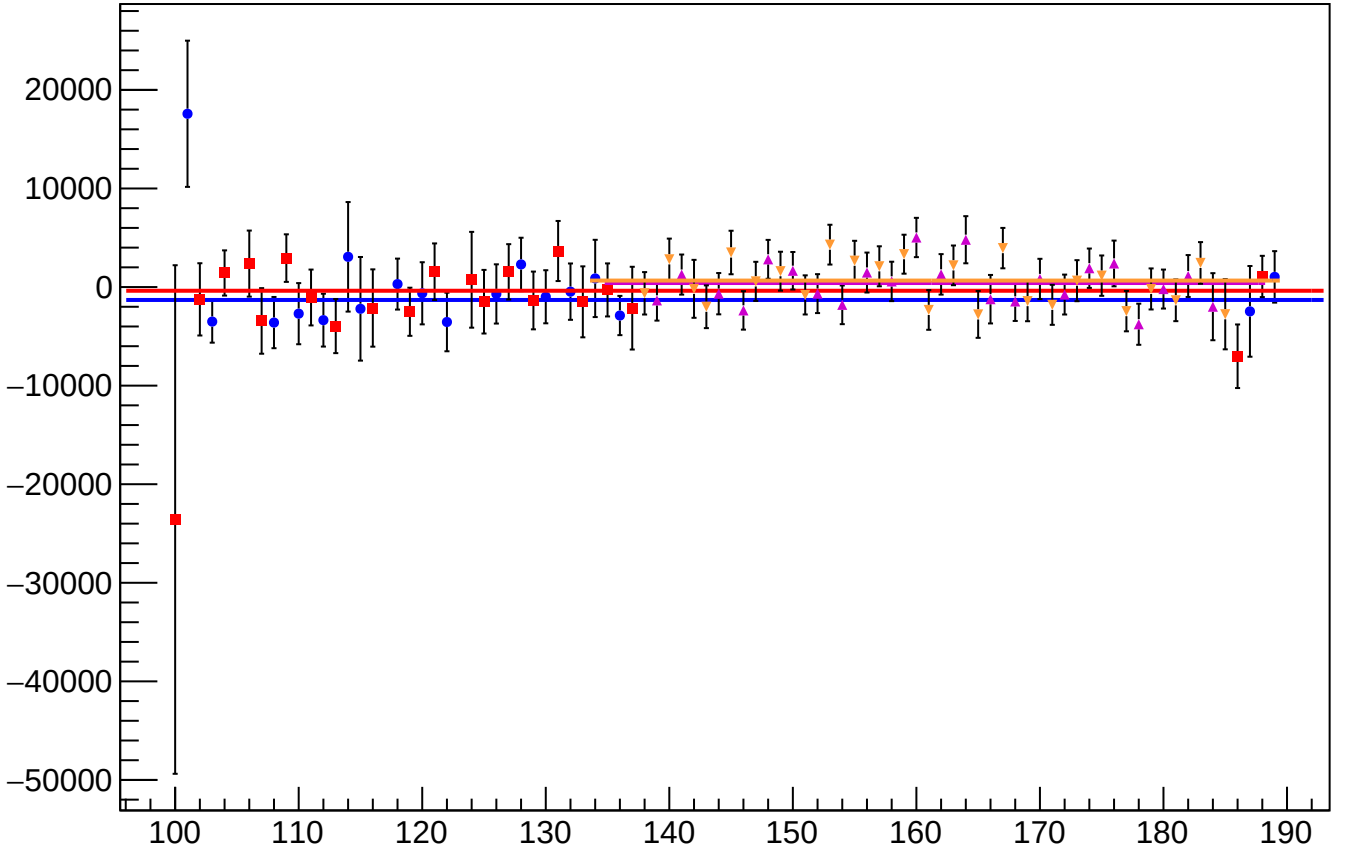
Left In: 4290.398+/-0.723 χ^2/NDF:1213964.7/22

+ sign 4167.972+/-0.579 χ^2/NDF: 2221993.6/42

All: 4123.382+/-0.407 χ^2/NDF: 5258900.6/86

- sign 4079.981+/-0.571 χ^2/NDF: 3025208.3/43

eigen_dit_asym_atr_dd_mean vs Slug



Right In: -1309.411+/-693.477 χ^2/NDF: 14.5/17

Left Out: 657.622+/-423.063 χ^2/NDF:27.0/24

Right Out: -374.461+/-657.290 χ^2/NDF: 15.6/20

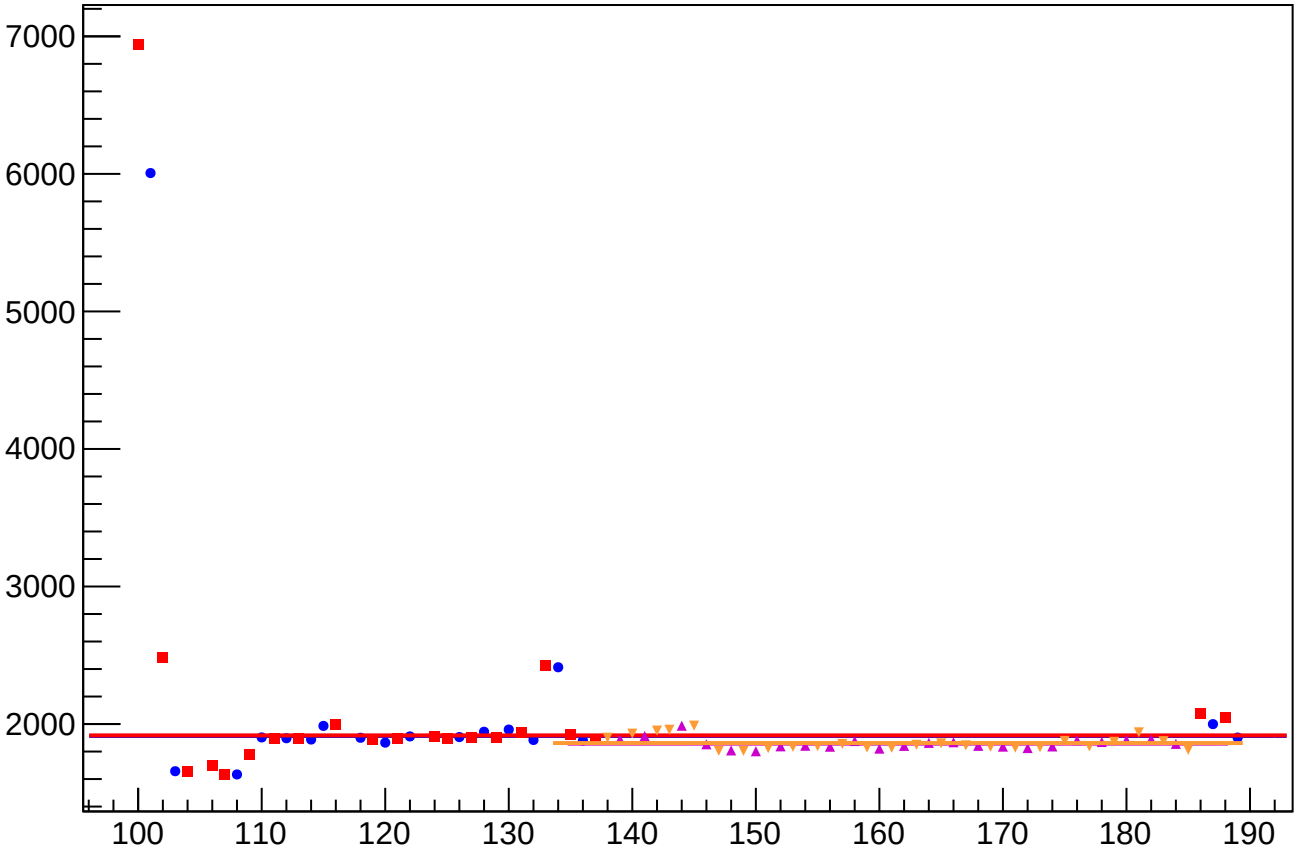
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

+ sign 124.104+/-361.161 χ^2/NDF: 47.4/42

All: 148.262+/-255.707 χ^2/NDF: 87.6/86

- sign 172.544+/-362.089 χ^2/NDF: 40.2/43

eigen_dit_asym_atr_dd_rms vs Slug



Right In: 1913.609+/-0.490 χ^2/NDF: 696962.9/17

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

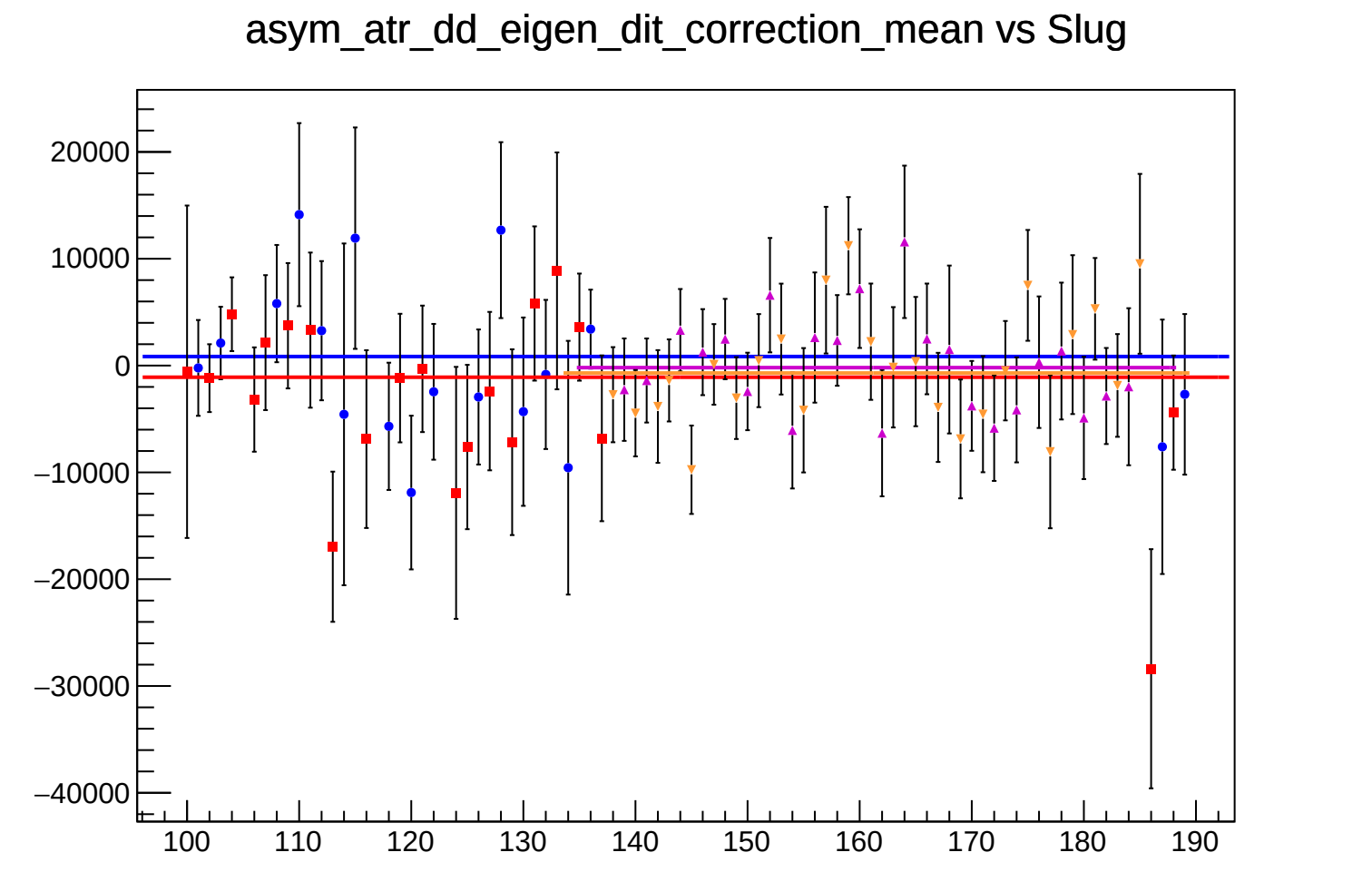
Right Out: 1917.234+/-0.464 χ^2/NDF: 234273.0/20

Left In: 1857.661+/-0.307 χ^2/NDF:16380.9/22

+ sign 1875.802+/-0.255 χ^2/NDF: 731134.4/42

All: 1875.783+/-0.181 χ^2/NDF: 993246.3/86

- sign 1875.763+/-0.256 χ^2/NDF: 262111.8/43



Right In: 846.006+/-1457.764 χ^2/NDF: 14.2/17

Left Out: -698.285+/-990.036 χ^2/NDF:25.3/24

Right Out: -1091.449+/-1318.623 χ^2/NDF: 21.6/20

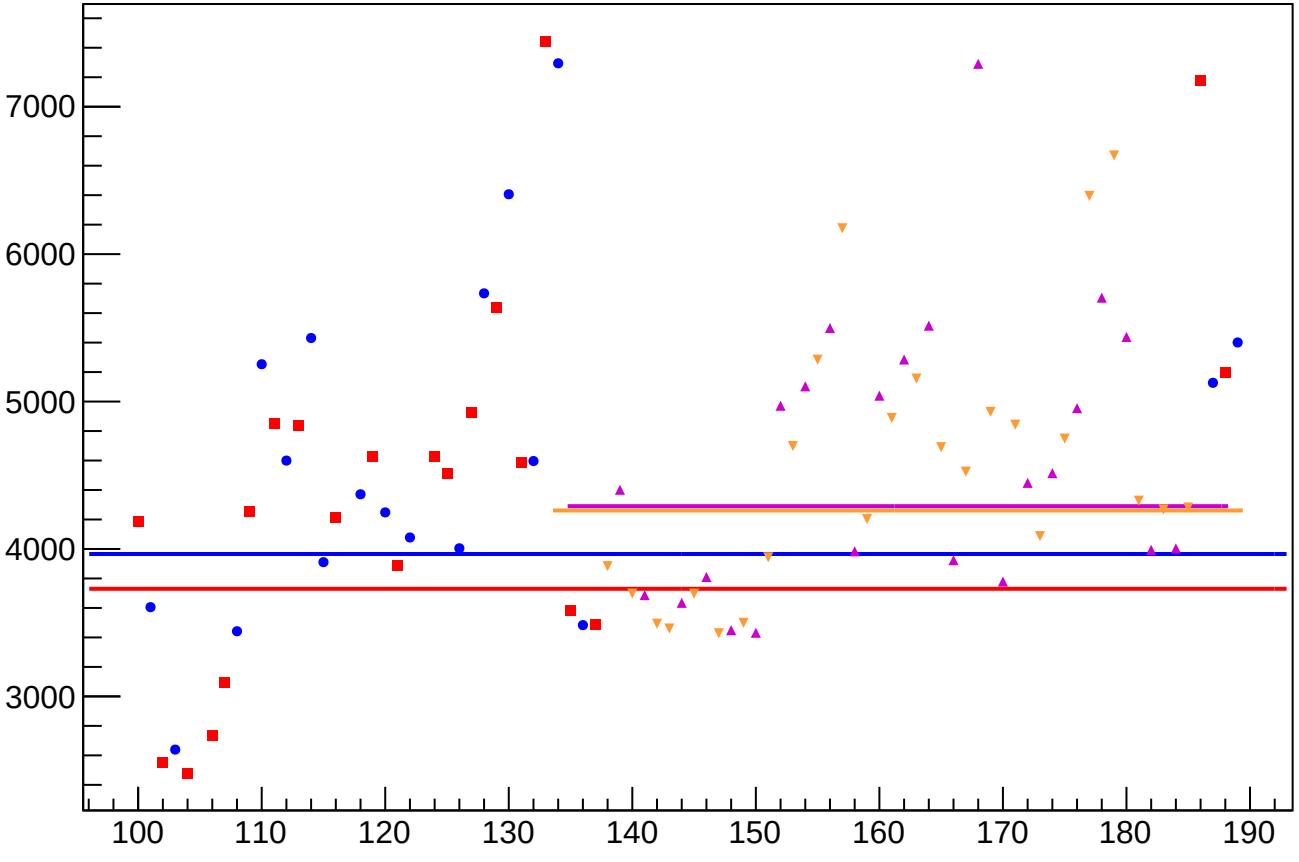
Left In: -192.488+/-1022.471 χ^2/NDF:15.2/22

+ sign -210.830+/-819.012 χ^2/NDF: 40.3/42

All: -372.592+/-575.202 χ^2/NDF: 77.4/86

- sign -530.039+/-808.017 χ^2/NDF: 37.0/43

asym_atr_dd_eigen_dit_correction_rms vs Slug



Right In: 3966.010+/-1.031 χ^2/NDF: 975331.9/17

Left Out: 4261.131+/-0.700 χ^2/NDF:1190564.2/24

Right Out: 3730.014+/-0.932 χ^2/NDF: 1585659.8/20

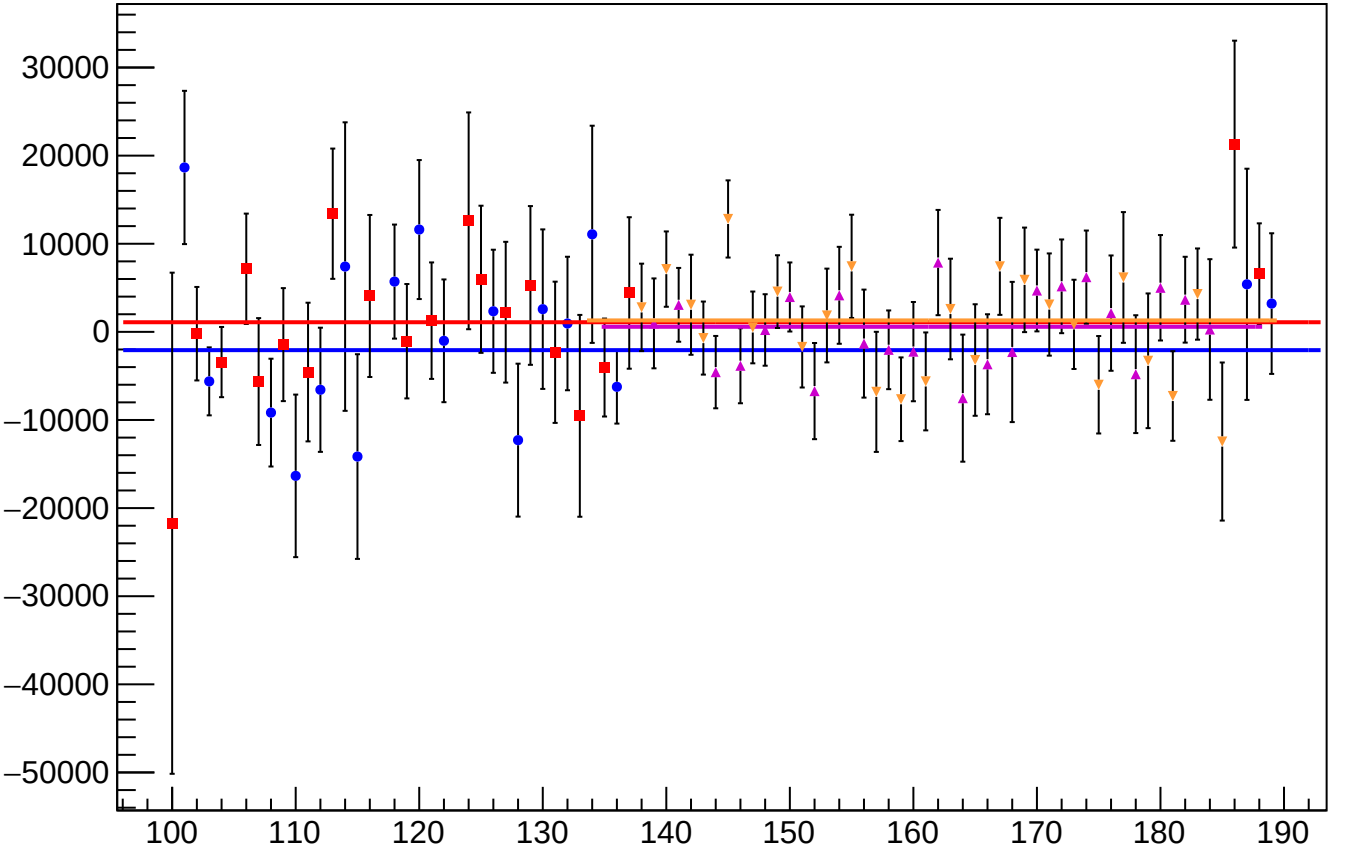
Left In: 4290.404+/-0.723 χ^2/NDF:1213970.5/22

+ sign 4167.976+/-0.579 χ^2/NDF: 2221992.2/42

All: 4123.385+/-0.407 χ^2/NDF: 5258905.9/86

- sign 4079.983+/-0.571 χ^2/NDF: 3025214.7/43

asym_atr_dd_mean vs Slug



Right In: -2074.533+/-1667.471 χ^2/NDF: 21.7/17

Left Out: 1298.373+/-1049.555 χ^2/NDF:28.5/24

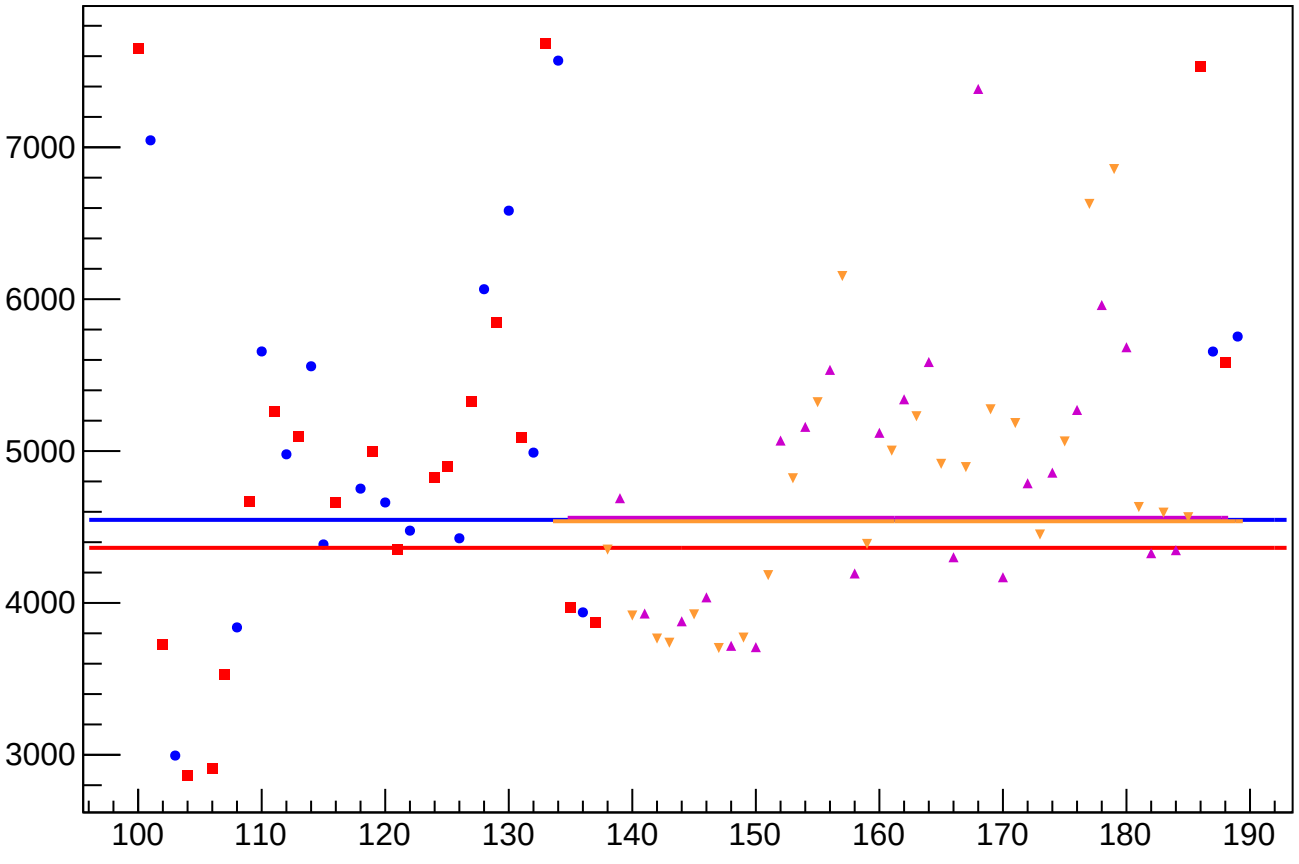
Right Out: 1092.732+/-1547.542 χ^2/NDF: 14.8/20

Left In: 576.442+/-1082.127 χ^2/NDF:14.4/22

\+ sign 341.275+/-888.248 χ^2/NDF: 53.1/42

All: 543.955+/-627.582 χ^2/NDF: 82.5/86

\- sign 745.986+/-886.823 χ^2/NDF: 29.3/43



Right In: 4546.993+/-1.179 χ^2/NDF: 955511.1/17

Left Out: 4537.934+/-0.742 χ^2/NDF:992905.4/24

Right Out: 4362.753+/-1.086 χ^2/NDF: 1101599.6/20

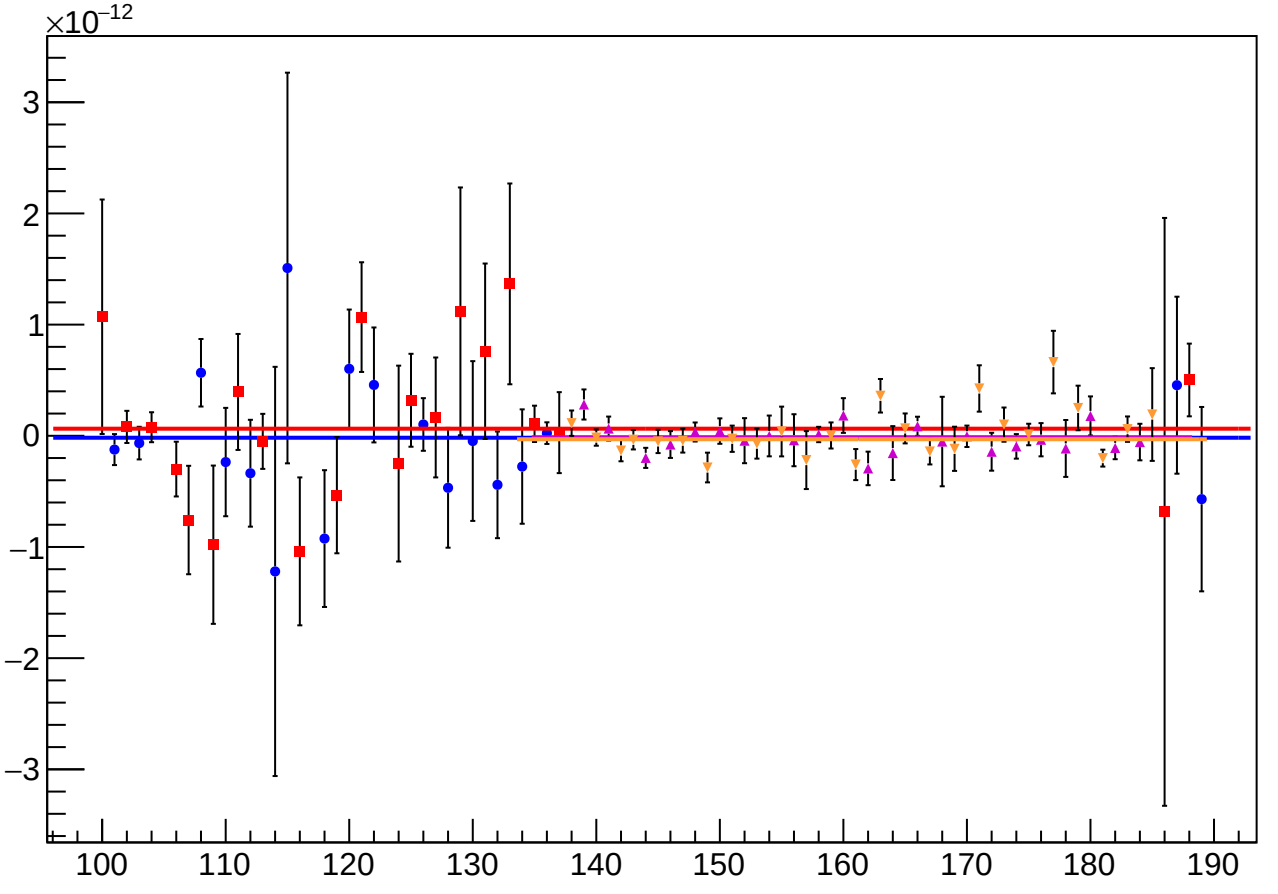
Left In: 4560.506+/-0.765 χ^2/NDF:980201.3/22

+ sign 4540.505+/-0.628 χ^2/NDF: 1948458.8/42

All: 4517.617+/-0.443 χ^2/NDF: 4055058.5/86

- sign 4494.914+/-0.626 χ^2/NDF: 2103954.7/43

asym_atr_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 13.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/20

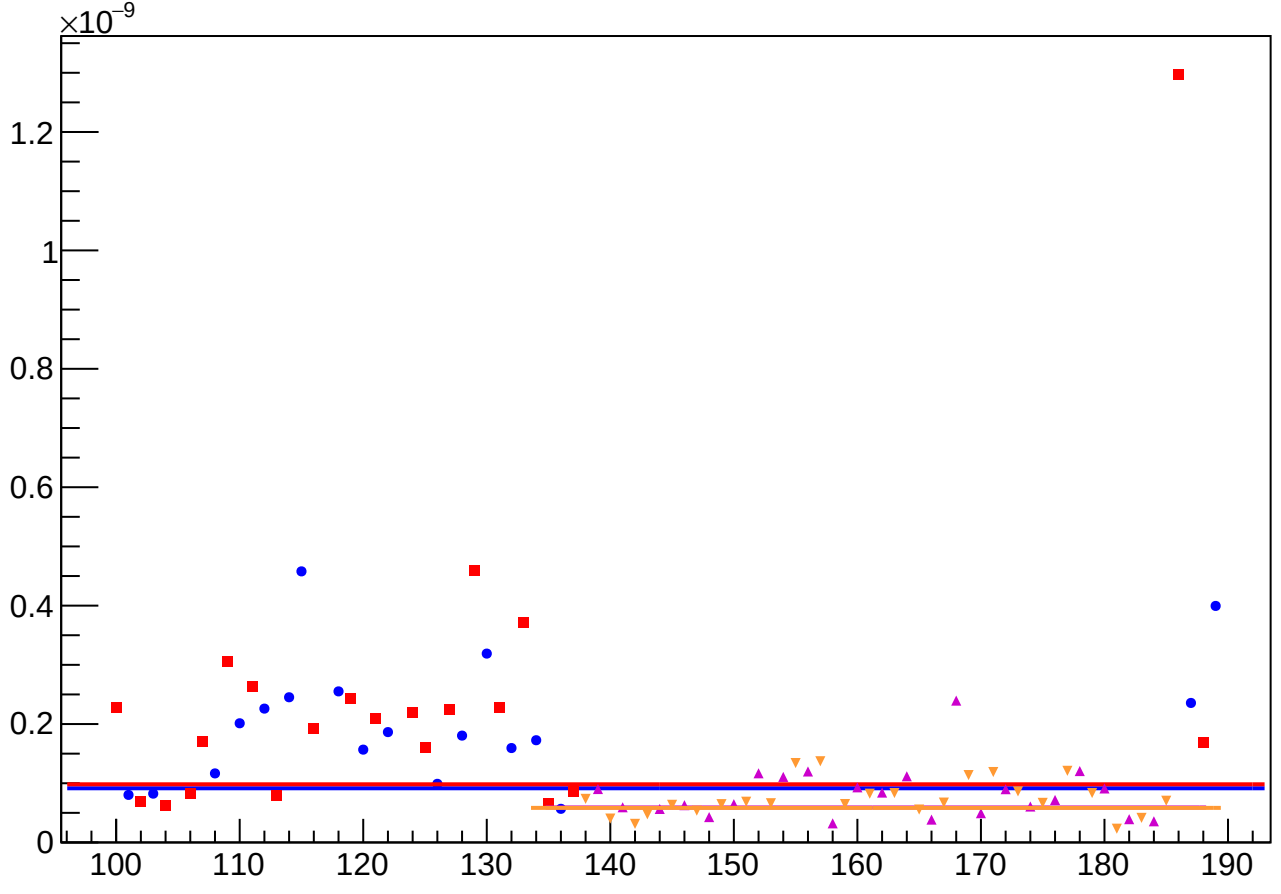
Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 51.5/42

All: -0.000+/-0.000 χ^2/NDF: 97.0/86

- sign -0.000+/-0.000 χ^2/NDF: 45.0/43

asym_atr_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1575216.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:1934390.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2206850.3/20

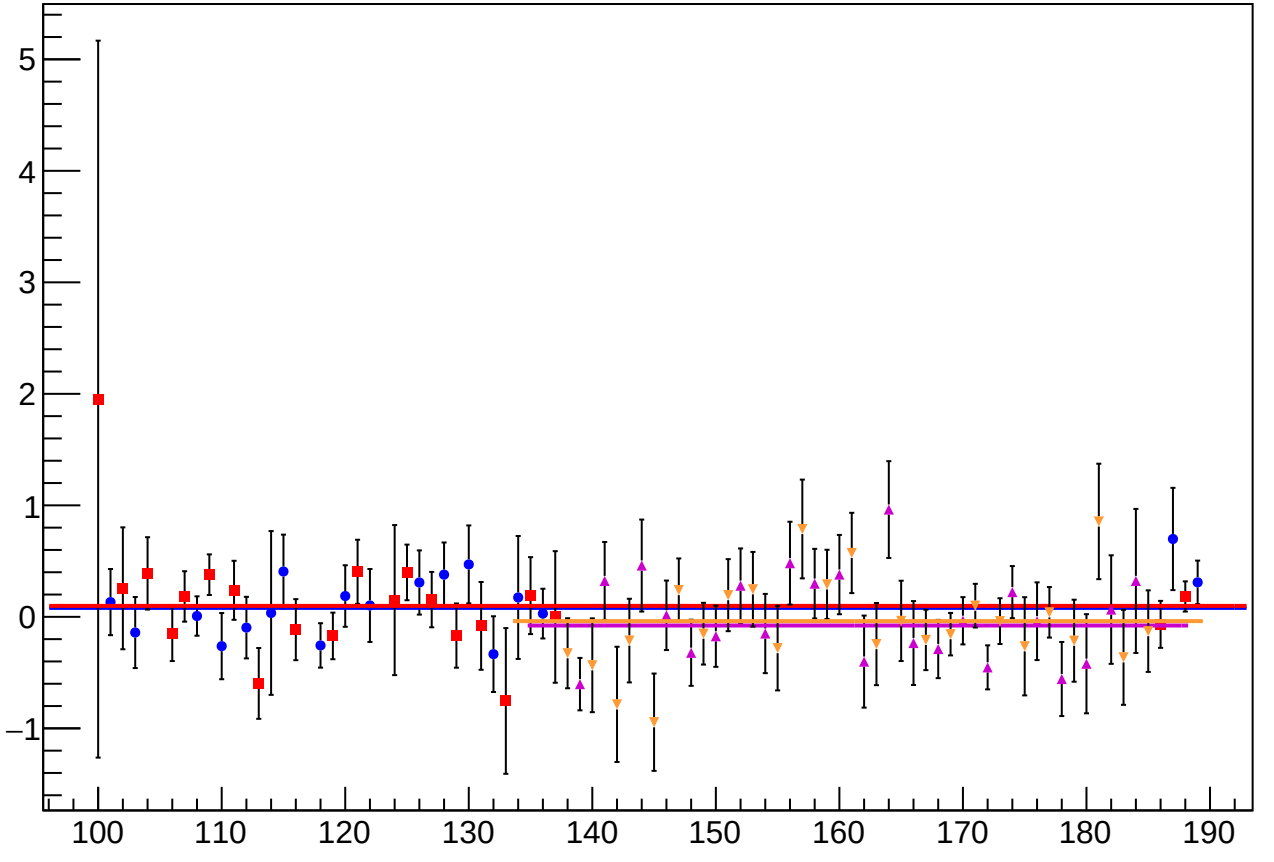
Left In: 0.000+/-0.000 χ^2/NDF:2104577.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 4015887.6/42

All: 0.000+/-0.000 χ^2/NDF: 8930926.9/86

- sign 0.000+/-0.000 χ^2/NDF: 4912379.1/43

asym_atr_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.080+/-0.066 χ^2/NDF: 14.1/17

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.098+/-0.058 χ^2/NDF: 18.6/20

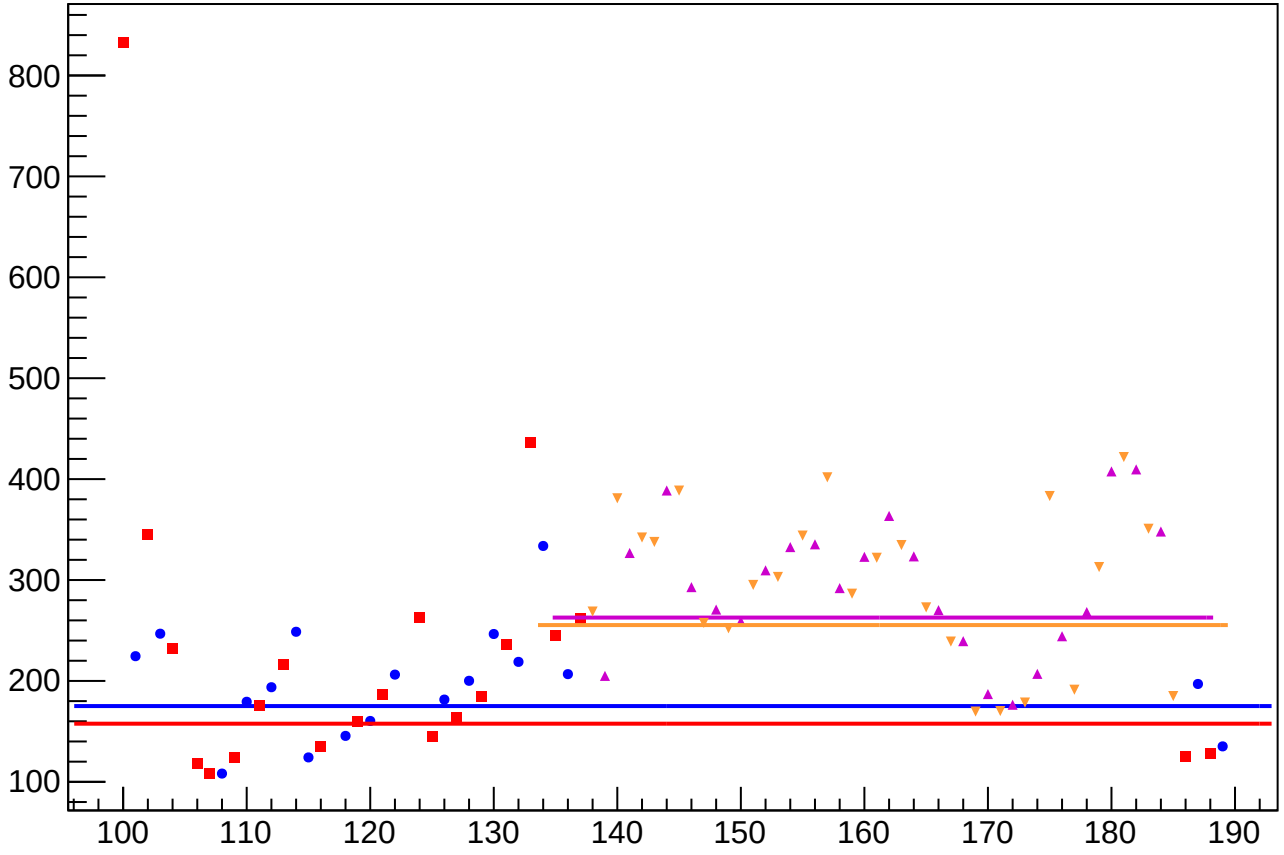
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.018+/-0.045 χ^2/NDF: 40.3/42

All: 0.019+/-0.031 χ^2/NDF: 94.1/86

- sign 0.020+/-0.043 χ^2/NDF: 53.8/43

asym_atr_dd_dit_vs_cor_diff_rms vs Slug



Right In: 175.093+/-0.046 χ^2/NDF: 1015719.6/17

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 157.626+/-0.041 χ^2/NDF: 1601794.7/20

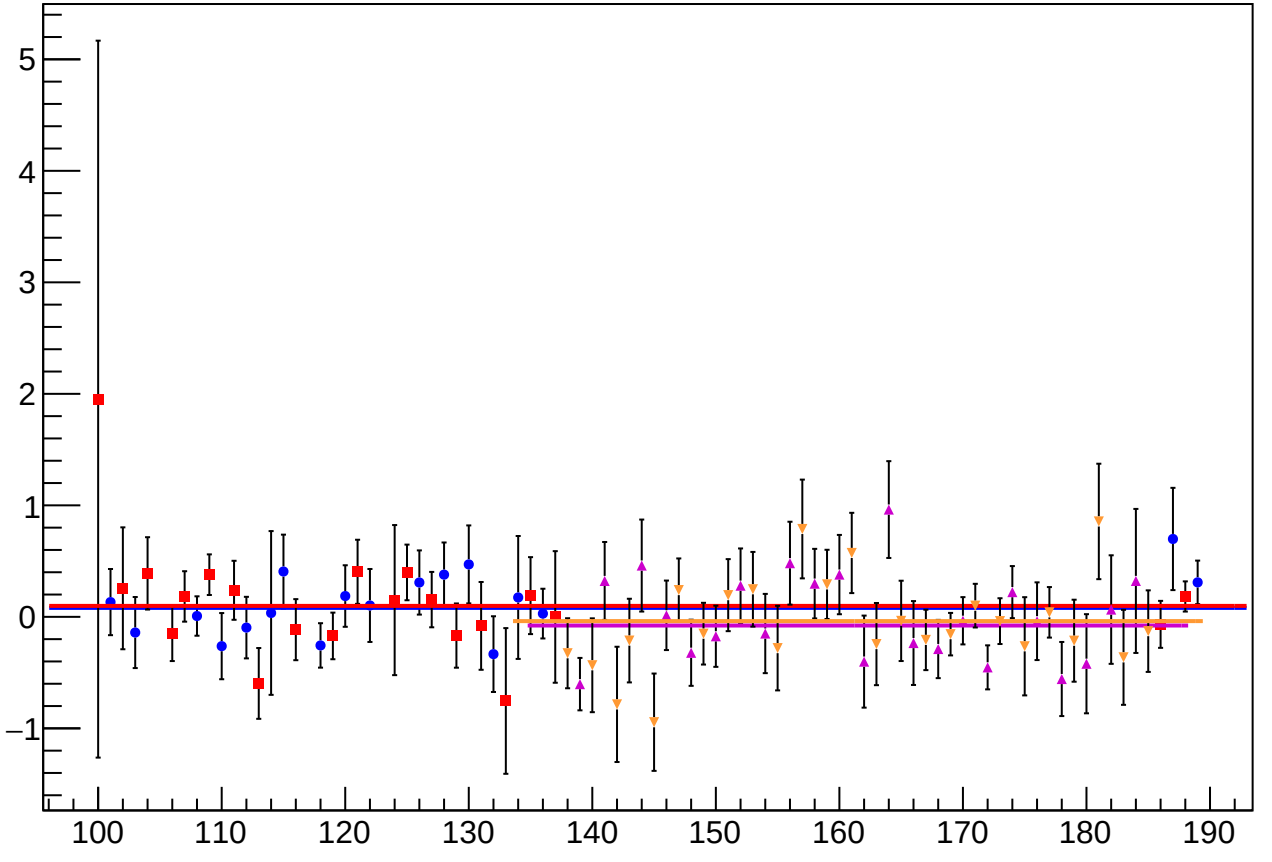
Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 217.591+/-0.032 χ^2/NDF: 5532013.0/42

All: 210.769+/-0.022 χ^2/NDF: 12160808.2/86

- sign 204.468+/-0.031 χ^2/NDF: 6540607.5/43

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.080+/-0.066 χ^2/NDF: 14.1/17

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.098+/-0.058 χ^2/NDF: 18.6/20

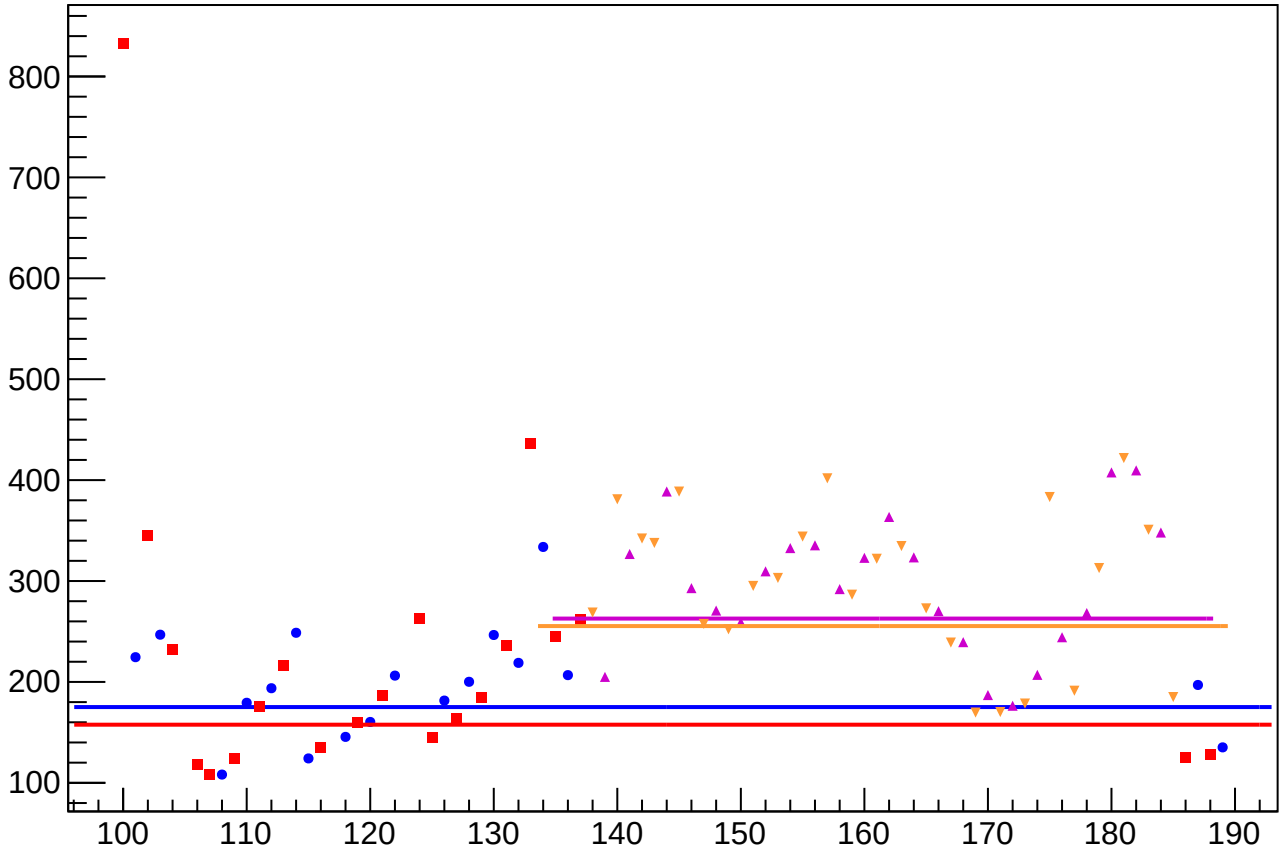
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.018+/-0.045 χ^2/NDF: 40.3/42

All: 0.019+/-0.031 χ^2/NDF: 94.1/86

- sign 0.020+/-0.043 χ^2/NDF: 53.8/43

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 175.093+/-0.046 χ^2/NDF: 1015719.6/17

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

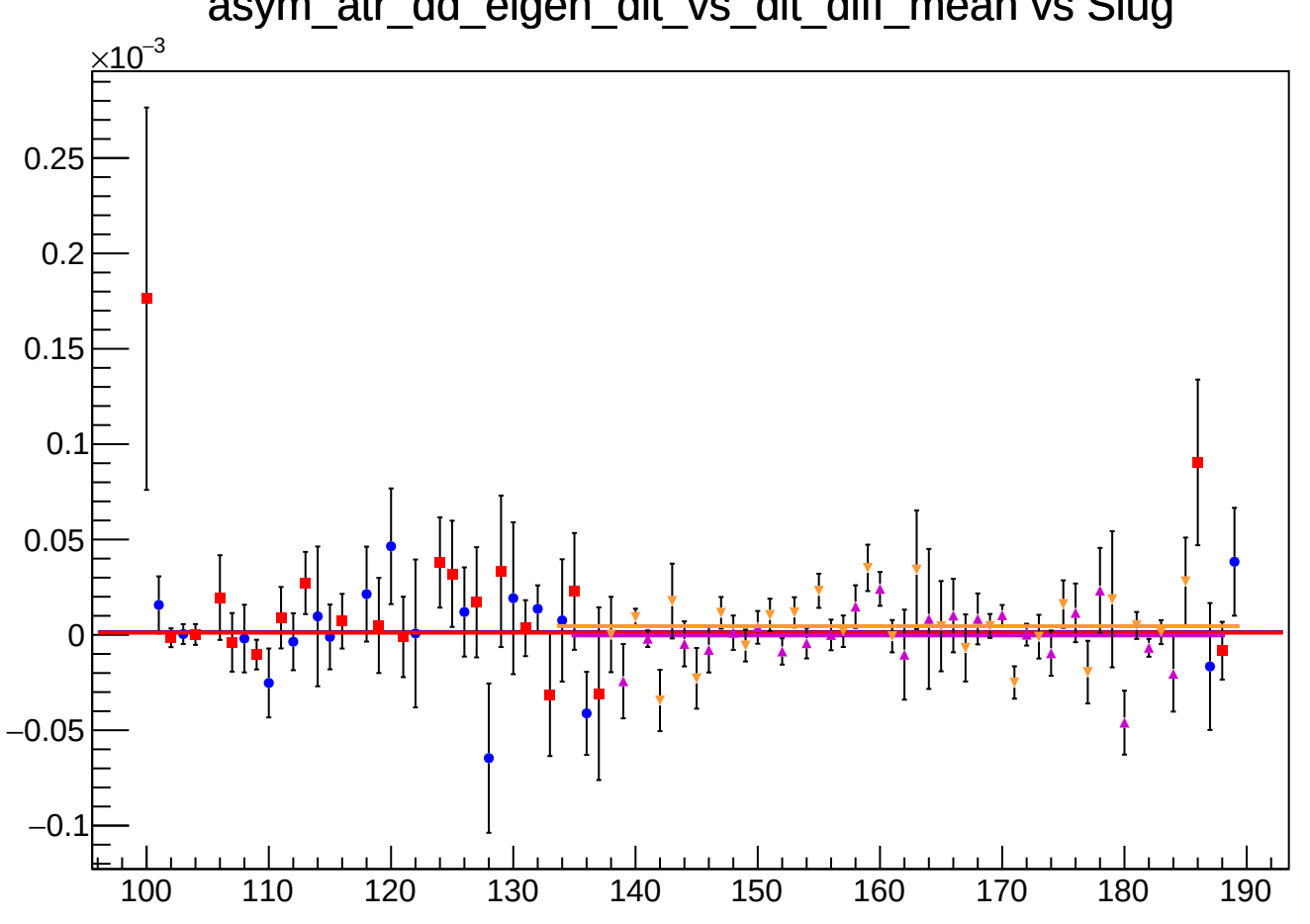
Right Out: 157.626+/-0.041 χ^2/NDF: 1601794.7/20

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 217.591+/-0.032 χ^2/NDF: 5532013.0/42

All: 210.769+/-0.022 χ^2/NDF: 12160808.2/86

- sign 204.468+/-0.031 χ^2/NDF: 6540607.5/43



Right In: 0.000+/-0.000 χ^2/NDF: 16.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

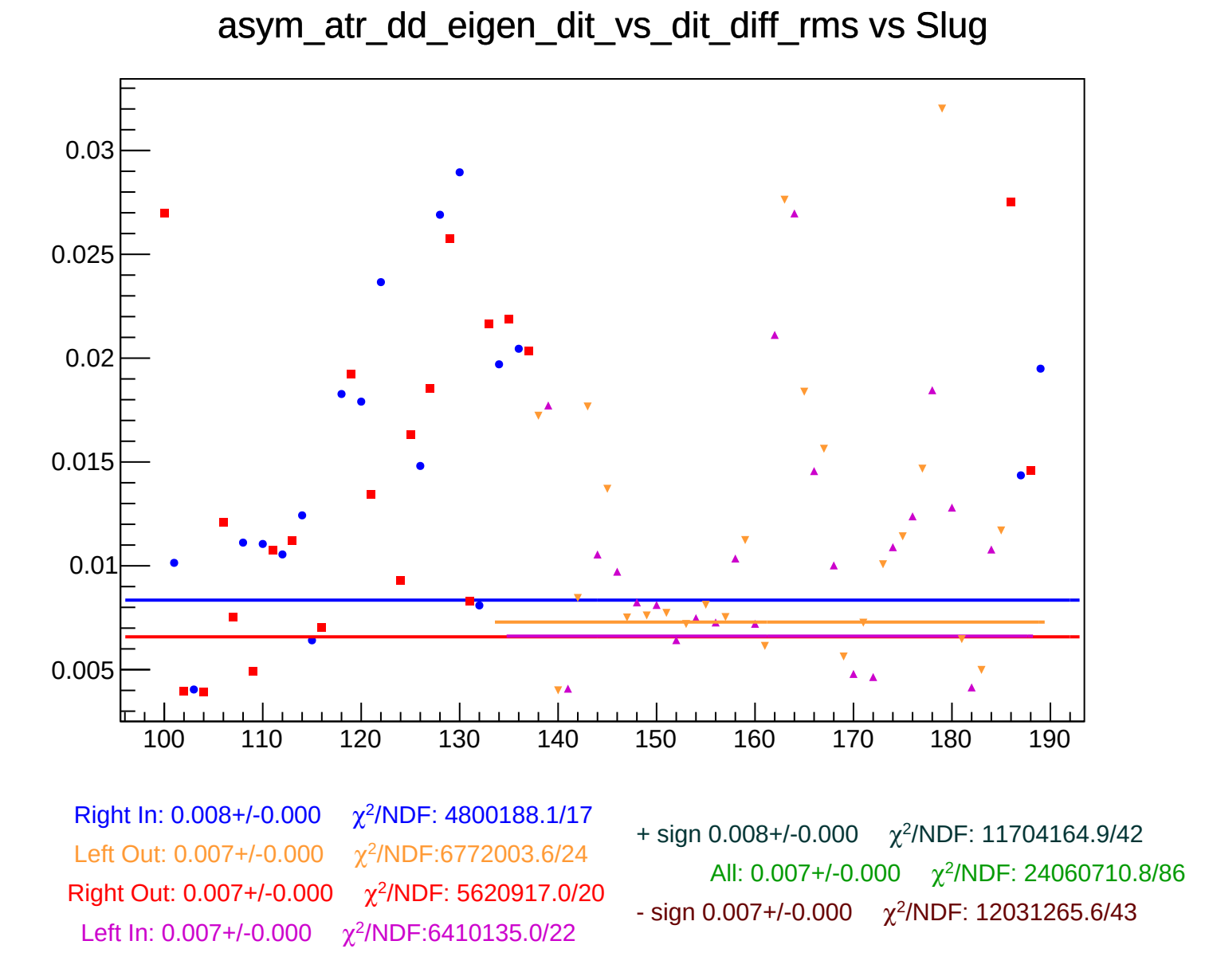
Right Out: 0.000+/-0.000 χ^2/NDF: 20.6/20

Left In: -0.000+/-0.000 χ^2/NDF:31.2/22

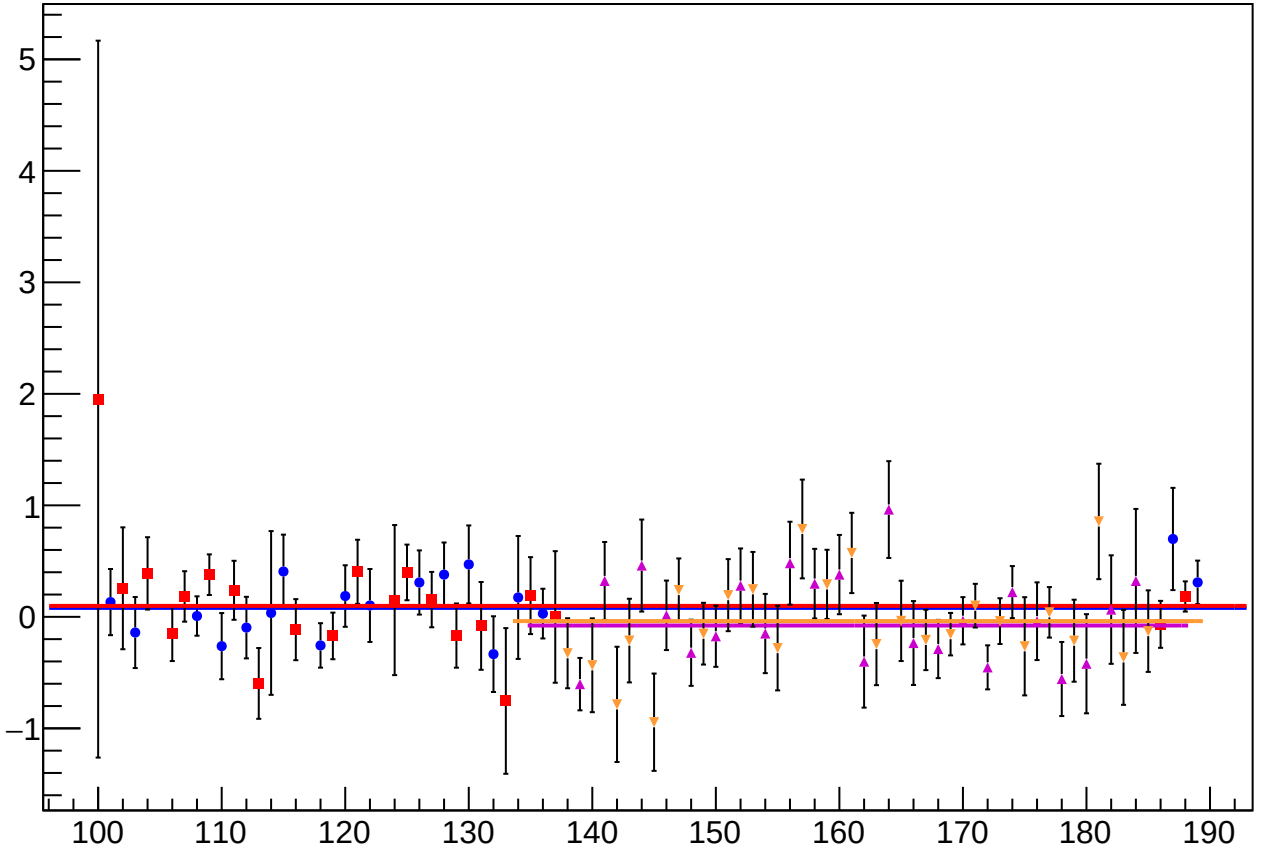
+ sign 0.000+/-0.000 χ^2/NDF: 60.2/42

All: 0.000+/-0.000 χ^2/NDF: 115.1/86

- sign 0.000+/-0.000 χ^2/NDF: 52.0/43


asym_atr_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
180
190
Right In: 0.008+/-0.000 χ²/NDF: 4800188.1/17
Left Out: 0.007+/-0.000 χ²/NDF:6772003.6/24
Right Out: 0.007+/-0.000 χ²/NDF: 5620917.0/20
Left In: 0.007+/-0.000 χ²/NDF:6410135.0/22
+ sign 0.008+/-0.000 χ²/NDF: 11704164.9/42
All: 0.007+/-0.000 χ²/NDF: 24060710.8/86
- sign 0.007+/-0.000 χ²/NDF: 12031265.6/43

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.080+/-0.066 χ^2/NDF: 14.1/17

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.098+/-0.058 χ^2/NDF: 18.6/20

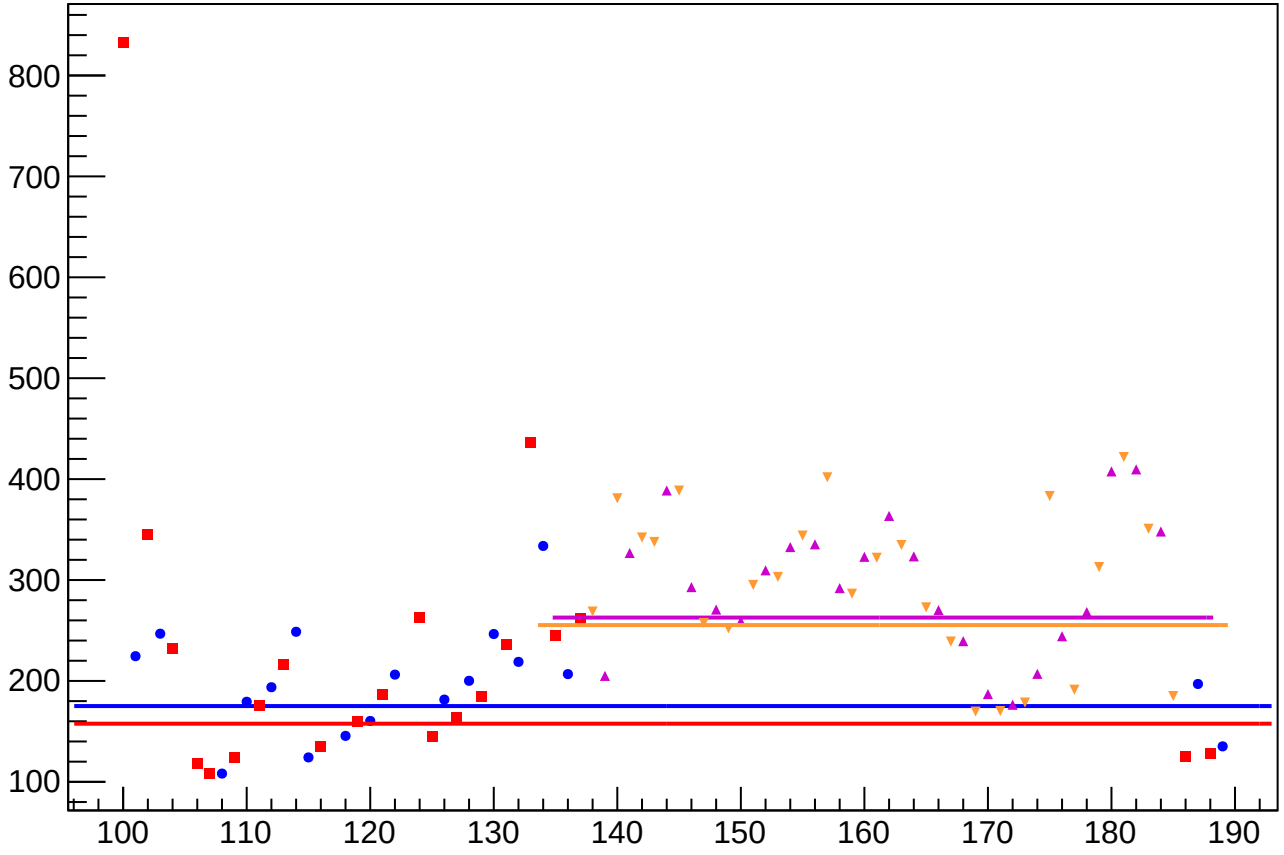
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.018+/-0.045 χ^2/NDF: 40.3/42

All: 0.019+/-0.031 χ^2/NDF: 94.1/86

- sign 0.020+/-0.043 χ^2/NDF: 53.8/43

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 175.092+/-0.046 χ^2/NDF: 1015699.2/17

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

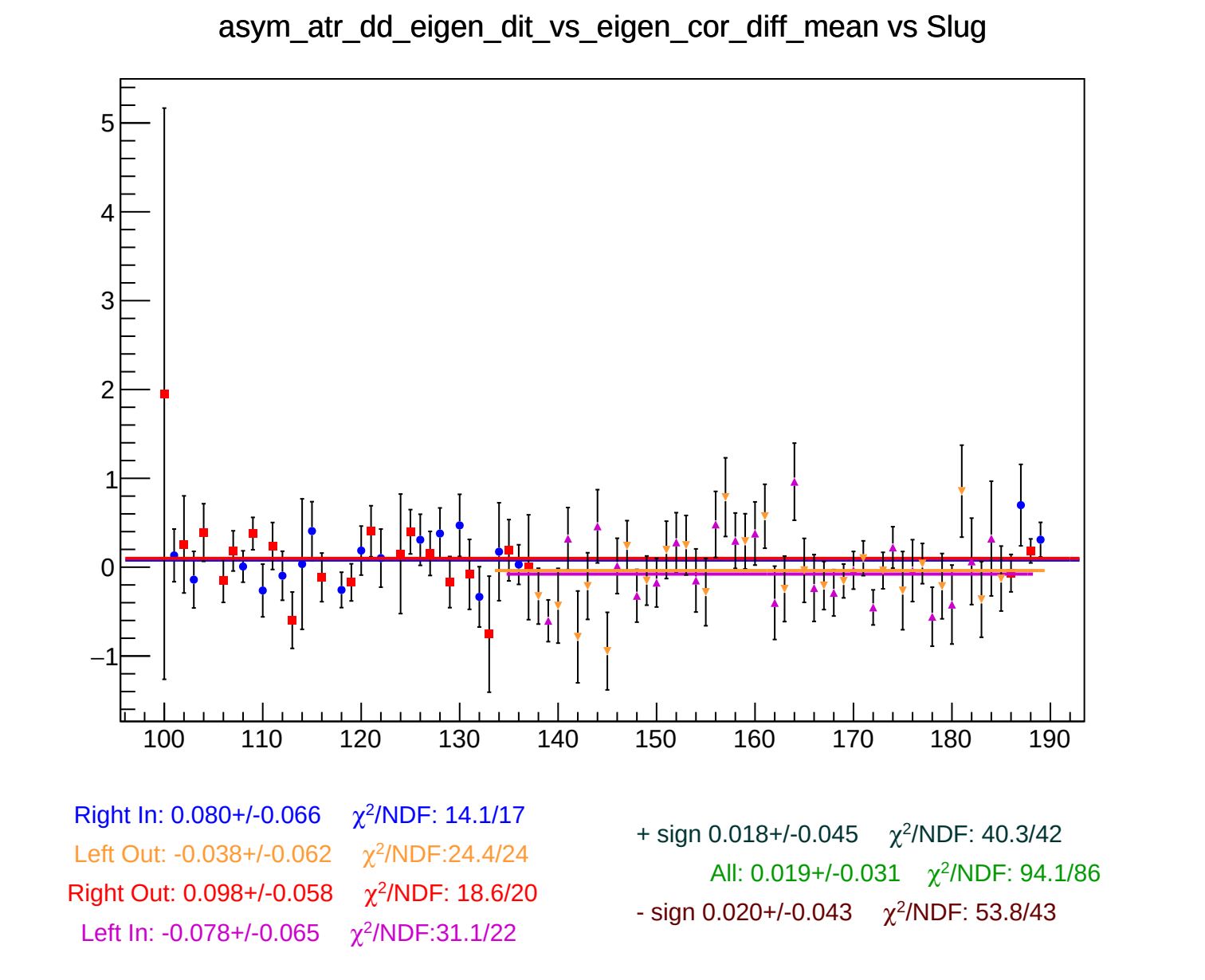
Right Out: 157.628+/-0.041 χ^2/NDF: 1601753.1/20

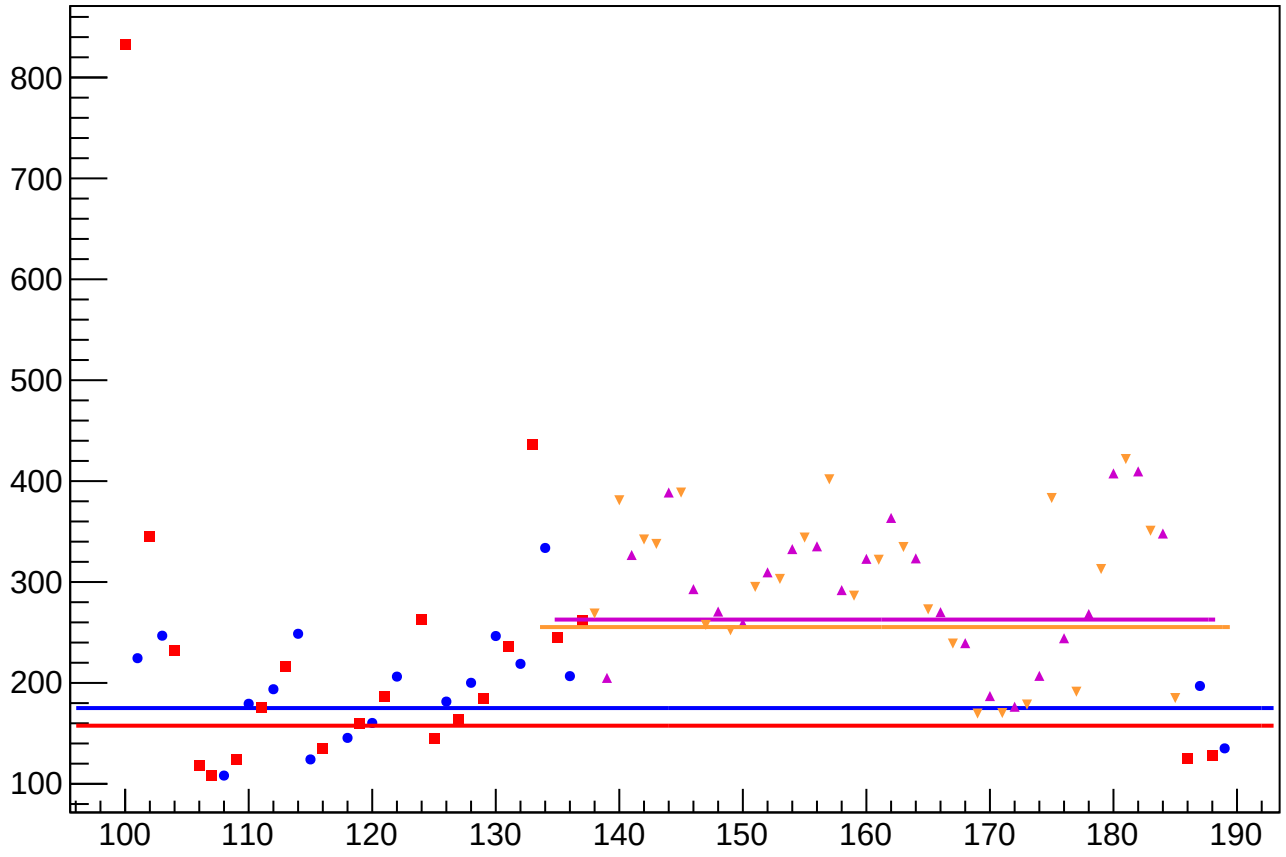
Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 217.591+/-0.032 χ^2/NDF: 5532178.5/42

All: 210.770+/-0.022 χ^2/NDF: 12160953.5/86

- sign 204.470+/-0.031 χ^2/NDF: 6540608.2/43


asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
5
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
180
190
Right In: 0.080+/-0.066 χ²/NDF: 14.1/17
Left Out: -0.038+/-0.062 χ²/NDF:24.4/24
Right Out: 0.098+/-0.058 χ²/NDF: 18.6/20
Left In: -0.078+/-0.065 χ²/NDF:31.1/22
+ sign 0.018+/-0.045 χ²/NDF: 40.3/42
All: 0.019+/-0.031 χ²/NDF: 94.1/86
- sign 0.020+/-0.043 χ²/NDF: 53.8/43



Right In: 175.092+/-0.046 χ^2/NDF: 1015699.2/17

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

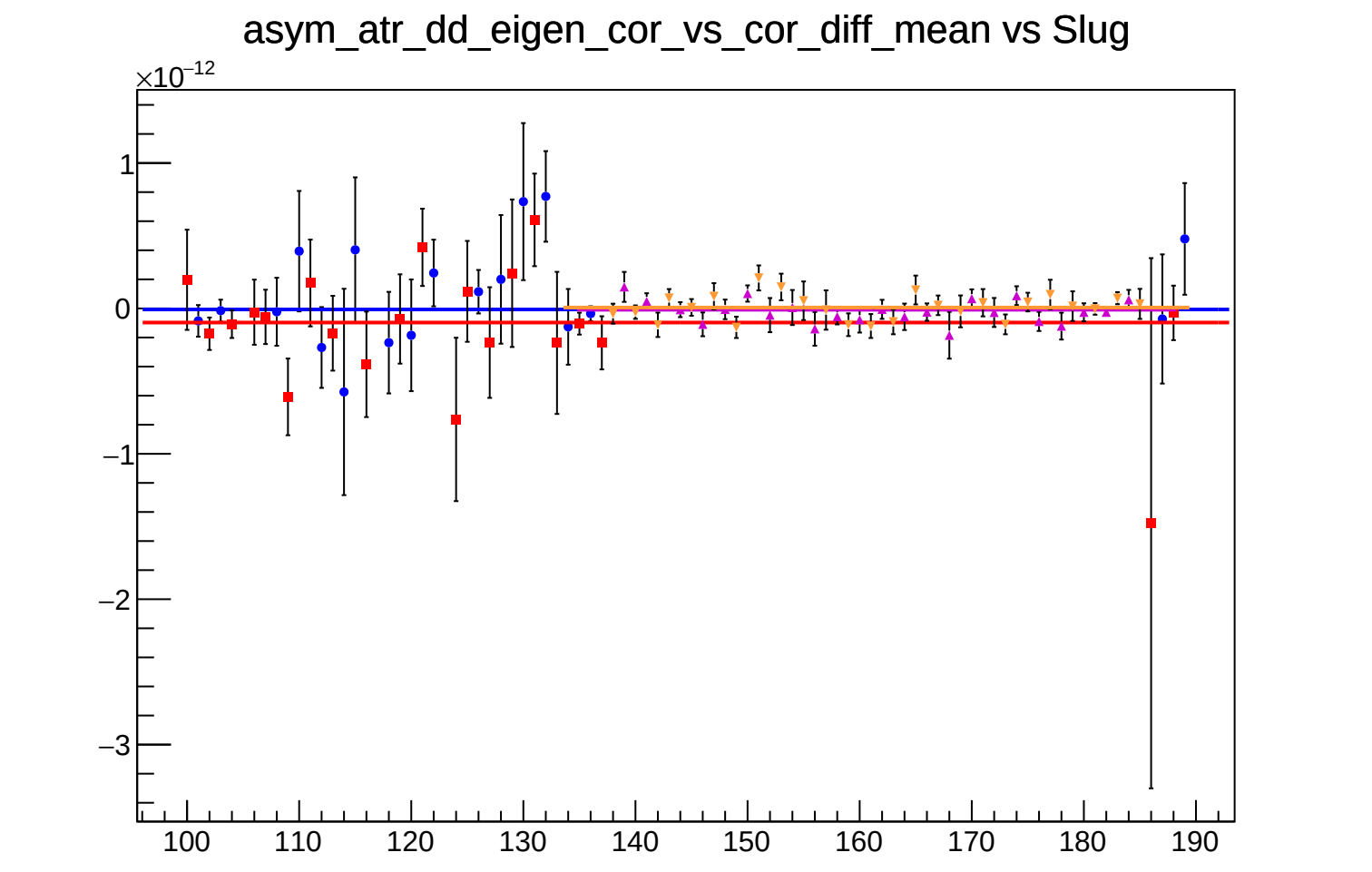
Right Out: 157.628+/-0.041 χ^2/NDF: 1601753.1/20

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 217.591+/-0.032 χ^2/NDF: 5532178.5/42

All: 210.770+/-0.022 χ^2/NDF: 12160953.5/86

- sign 204.470+/-0.031 χ^2/NDF: 6540608.2/43



Right In: -0.000+/-0.000 χ^2/NDF: 16.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:30.5/24

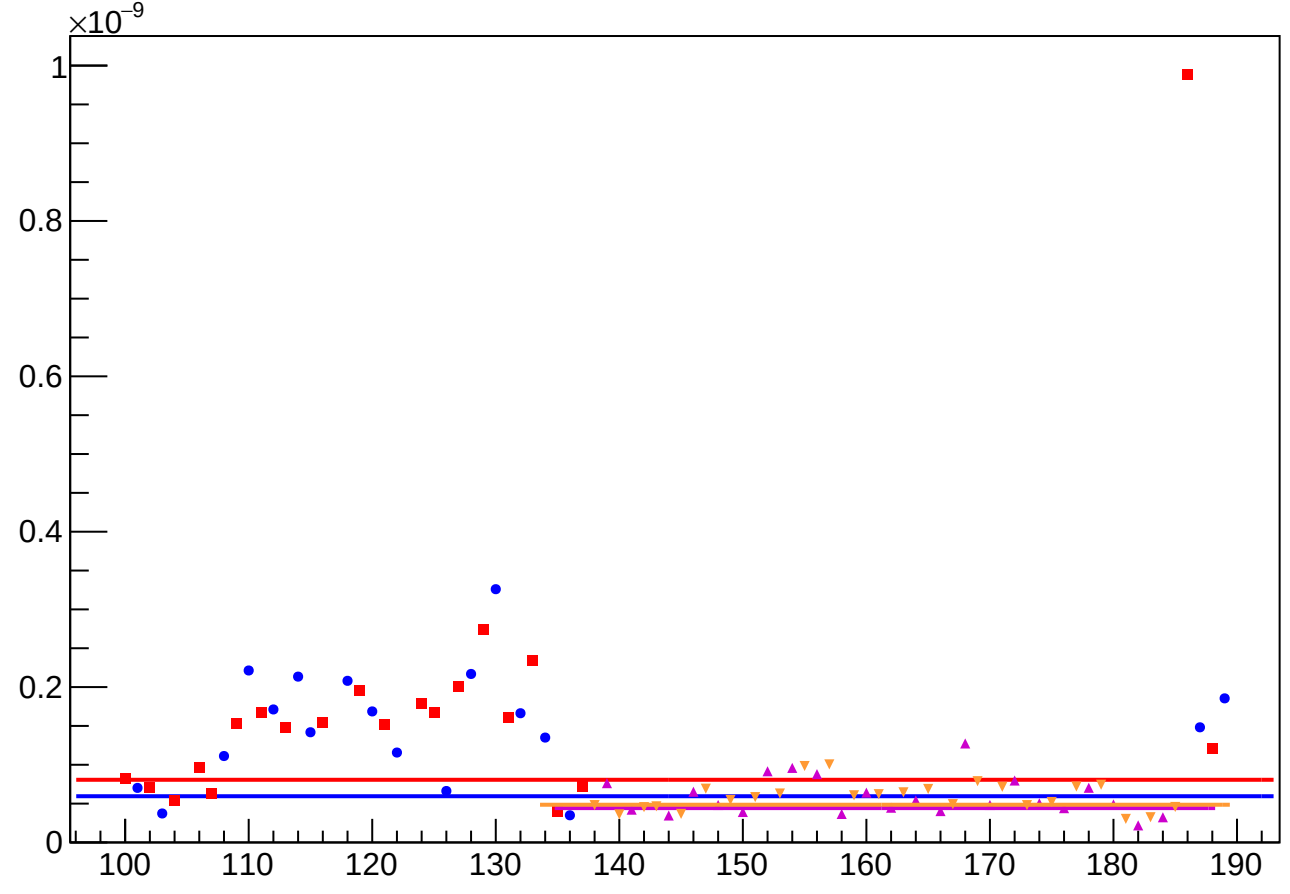
Right Out: -0.000+/-0.000 χ^2/NDF: 19.1/20

Left In: -0.000+/-0.000 χ^2/NDF:21.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 47.3/42

All: -0.000+/-0.000 χ^2/NDF: 93.2/86

- sign -0.000+/-0.000 χ^2/NDF: 44.5/43



Right In: 0.000+/-0.000 χ^2/NDF: 3622265.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:2493290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3327928.7/20

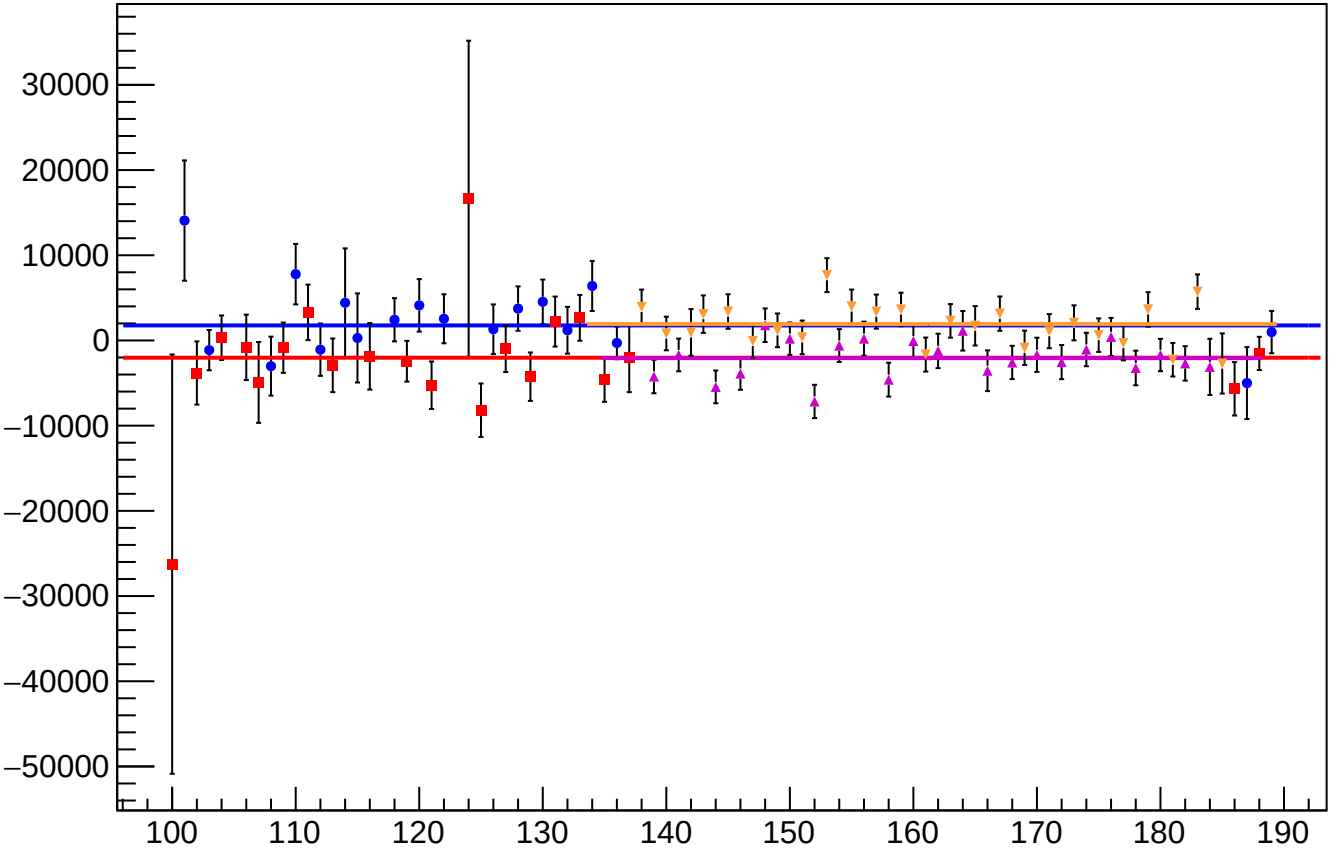
Left In: 0.000+/-0.000 χ^2/NDF:3624474.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 6283911.2/42

All: 0.000+/-0.000 χ^2/NDF: 14680241.8/86

- sign 0.000+/-0.000 χ^2/NDF: 8368162.3/43

reg_asym_at1_avg_mean vs Slug



Right In: 1764.911+/-696.254 χ^2/NDF: 19.3/17

Left Out: 1920.623+/-412.915 χ^2/NDF:32.5/24

Right Out: -2024.755+/-673.083 χ^2/NDF: 20.0/20

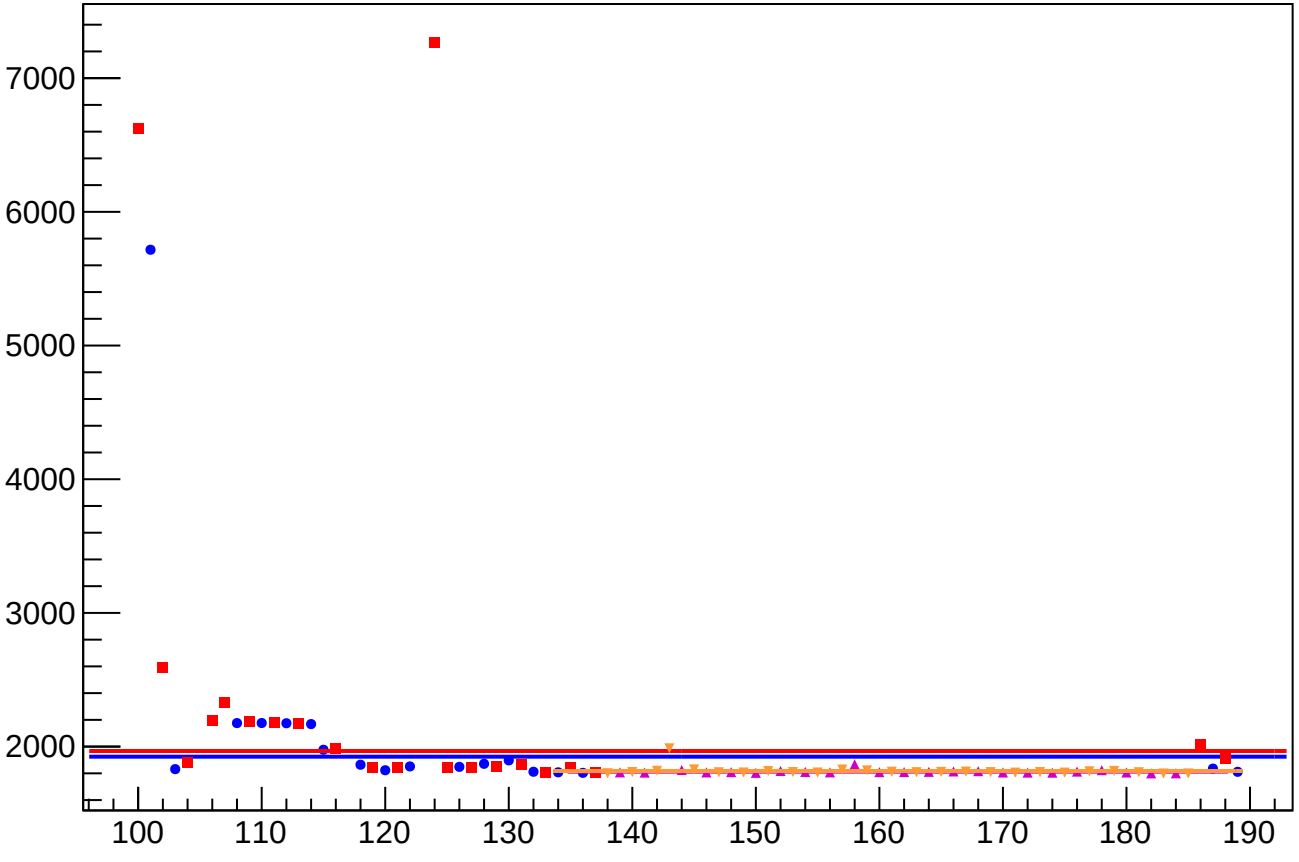
Left In: -2074.205+/-423.203 χ^2/NDF:26.5/22

+ sign 1880.107+/-355.155 χ^2/NDF: 51.8/42

All: -72.845+/-252.227 χ^2/NDF: 159.3/86

- sign -2060.195+/-358.270 χ^2/NDF: 46.5/43

reg_asym_at1_avg_rms vs Slug



Right In: 1924.610+/-0.492 χ^2/NDF: 643724.7/17

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1967.149+/-0.476 χ^2/NDF: 379950.4/20

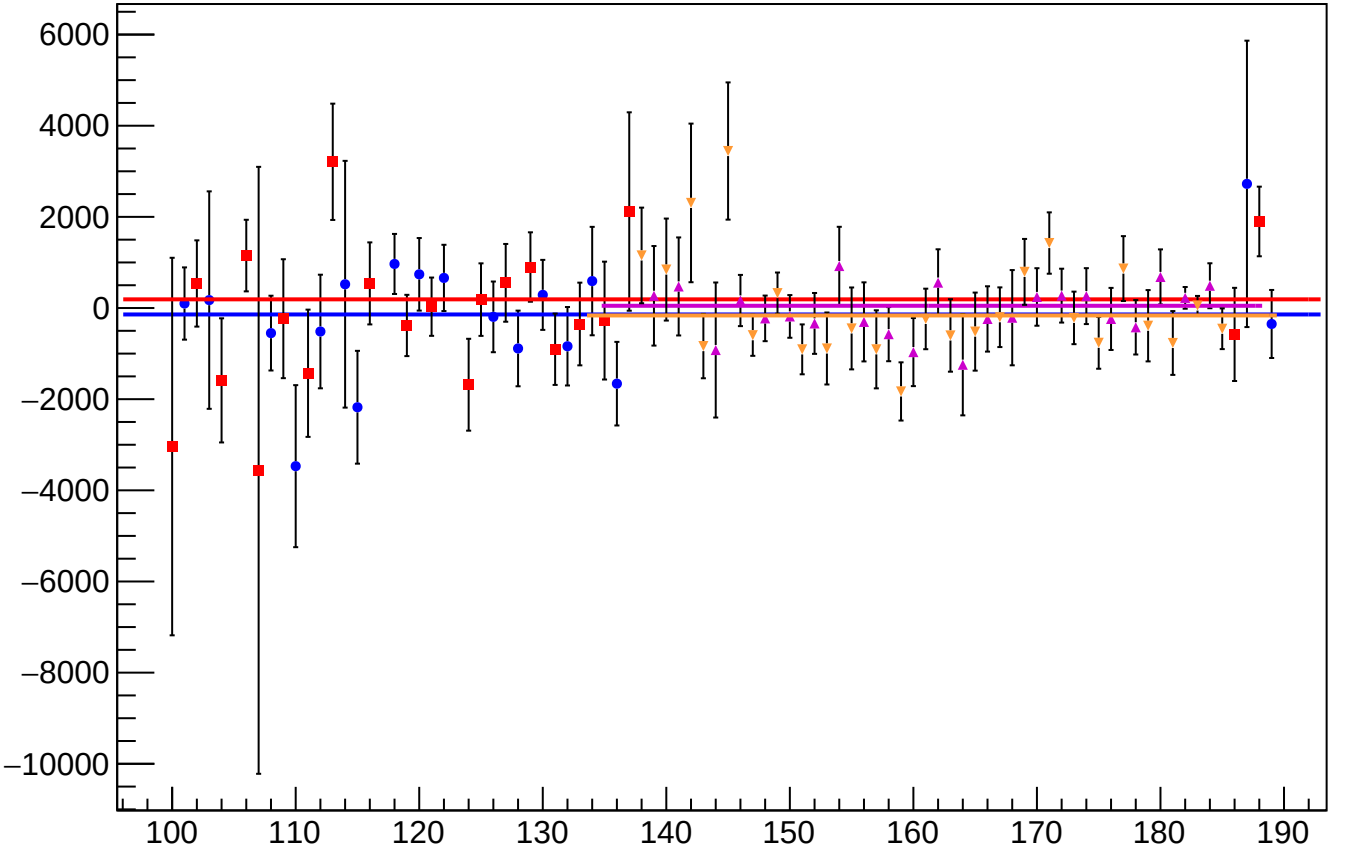
Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1845.388+/-0.251 χ^2/NDF: 691680.4/42

All: 1850.820+/-0.178 χ^2/NDF: 1150212.3/86

- sign 1856.348+/-0.253 χ^2/NDF: 457587.7/43

asym_at1_avg_reg_correction_mean vs Slug



Right In: -141.131+/-219.639 χ^2/NDF: 17.8/17

Left Out: -162.996+/-115.295 χ^2/NDF:36.8/24

Right Out: 190.354+/-208.703 χ^2/NDF: 25.6/20

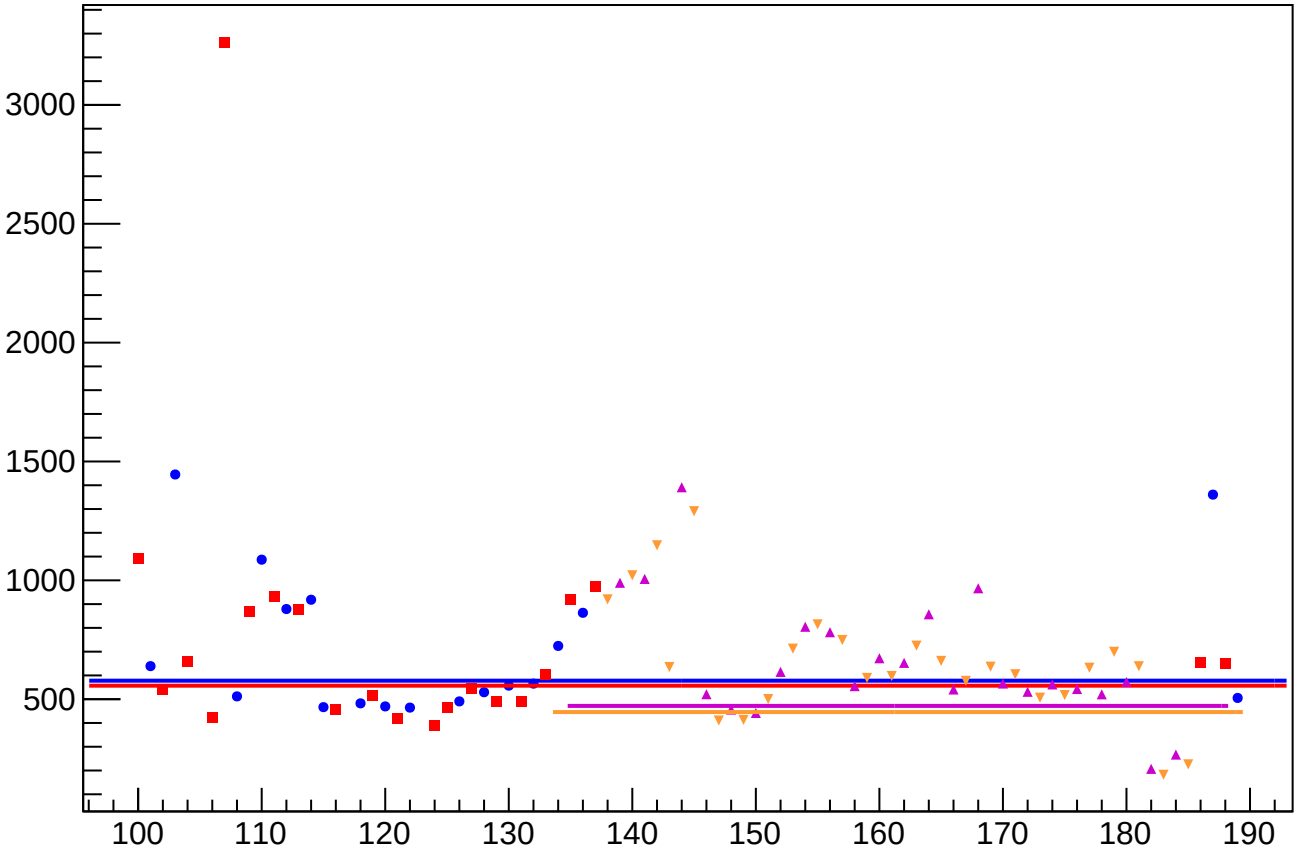
Left In: 49.290+/-122.691 χ^2/NDF:11.3/22

+ sign -158.272+/-102.085 χ^2/NDF: 54.6/42

All: -40.695+/-73.453 χ^2/NDF: 94.6/86

- sign 85.520+/-105.768 χ^2/NDF: 37.2/43

asym_at1_avg_reg_correction_rms vs Slug



Right In: 577.900+/-0.155 χ^2/NDF: 1146711.0/17

Left Out: 445.893+/-0.082 χ^2/NDF:7982455.6/24

Right Out: 556.921+/-0.148 χ^2/NDF: 1341200.3/20

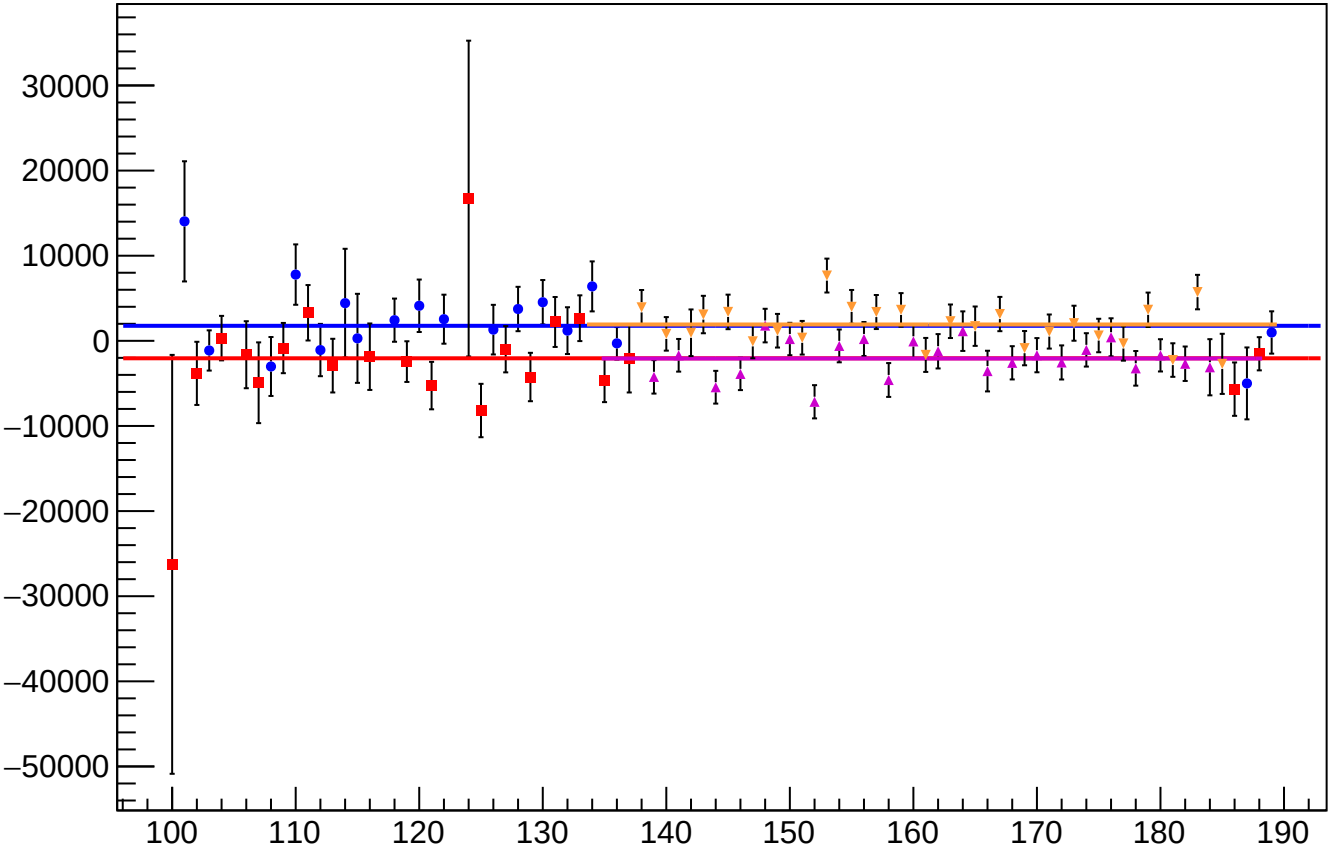
Left In: 471.746+/-0.087 χ^2/NDF:6413905.5/22

+ sign 474.410+/-0.072 χ^2/NDF: 9695544.2/42

All: 483.676+/-0.052 χ^2/NDF: 17732378.4/86

- sign 493.622+/-0.075 χ^2/NDF: 8002671.4/43

cor_asym_at1_avg_mean vs Slug



Right In: 1764.600+/-696.254 χ^2/NDF: 19.2/17

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: -2050.794+/-673.577 χ^2/NDF: 19.9/20

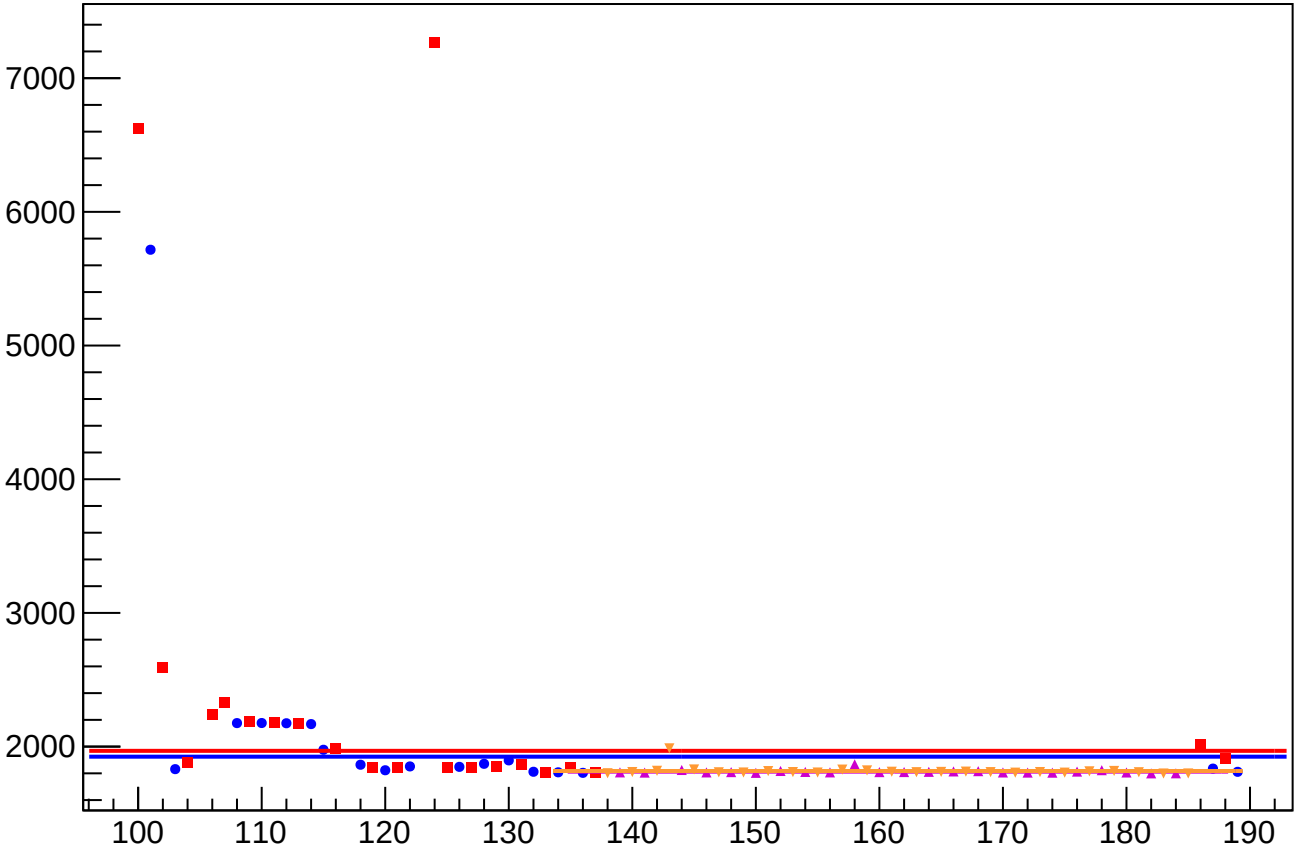
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1880.000+/-355.155 χ^2/NDF: 51.8/42

All: -76.184+/-252.253 χ^2/NDF: 159.4/86

- sign -2067.652+/-358.344 χ^2/NDF: 46.4/43

cor_asym_at1_avg_rms vs Slug



Right In: 1924.610+/-0.492 χ^2/NDF: 643724.8/17

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1968.305+/-0.476 χ^2/NDF: 382902.6/20

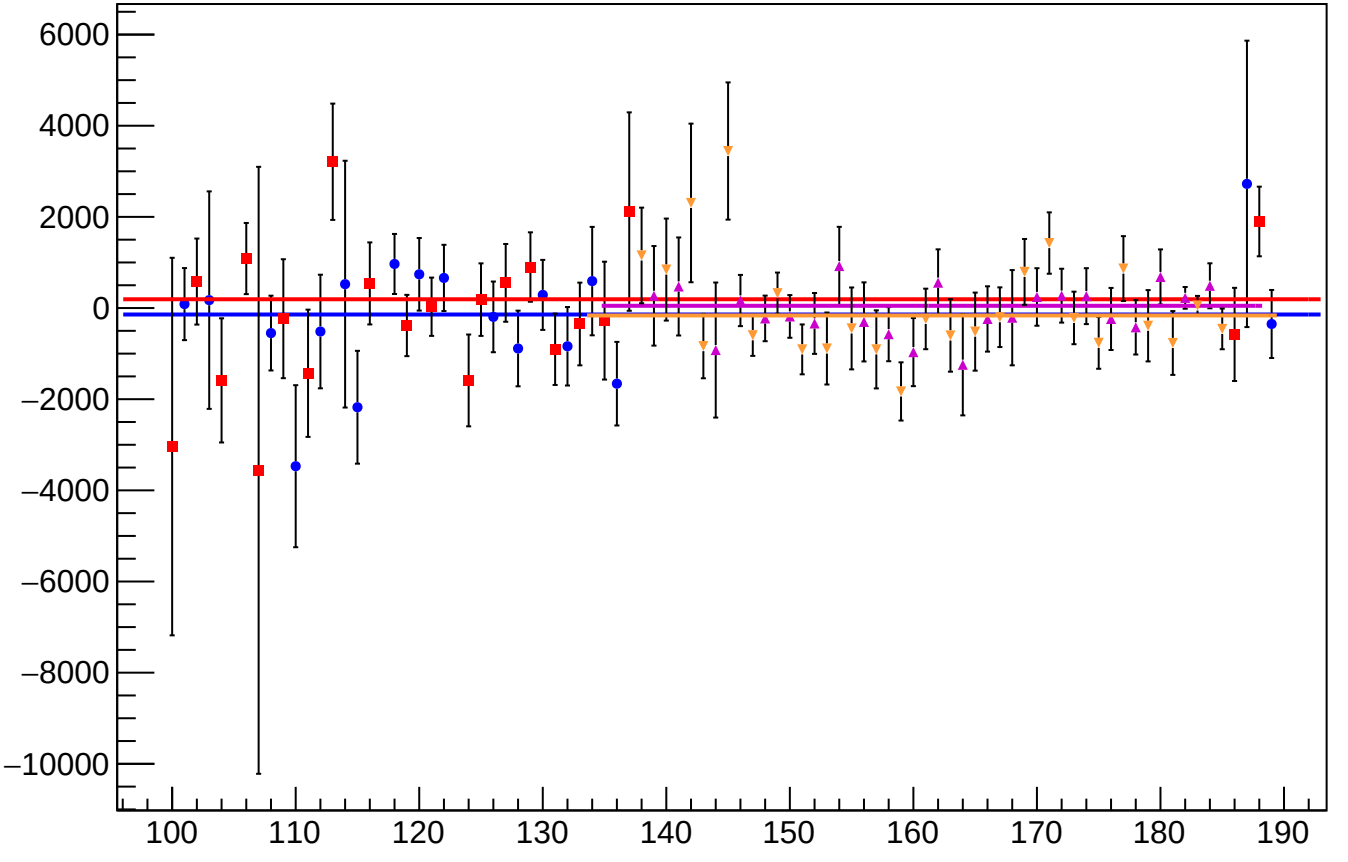
Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1845.387+/-0.251 χ^2/NDF: 691680.4/42

All: 1850.958+/-0.178 χ^2/NDF: 1154267.0/86

- sign 1856.629+/-0.253 χ^2/NDF: 461593.7/43

asym_at1_avg_cor_correction_mean vs Slug



Right In: -141.891+/-219.597 χ^2/NDF: 17.8/17

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: 192.597+/-208.588 χ^2/NDF: 25.1/20

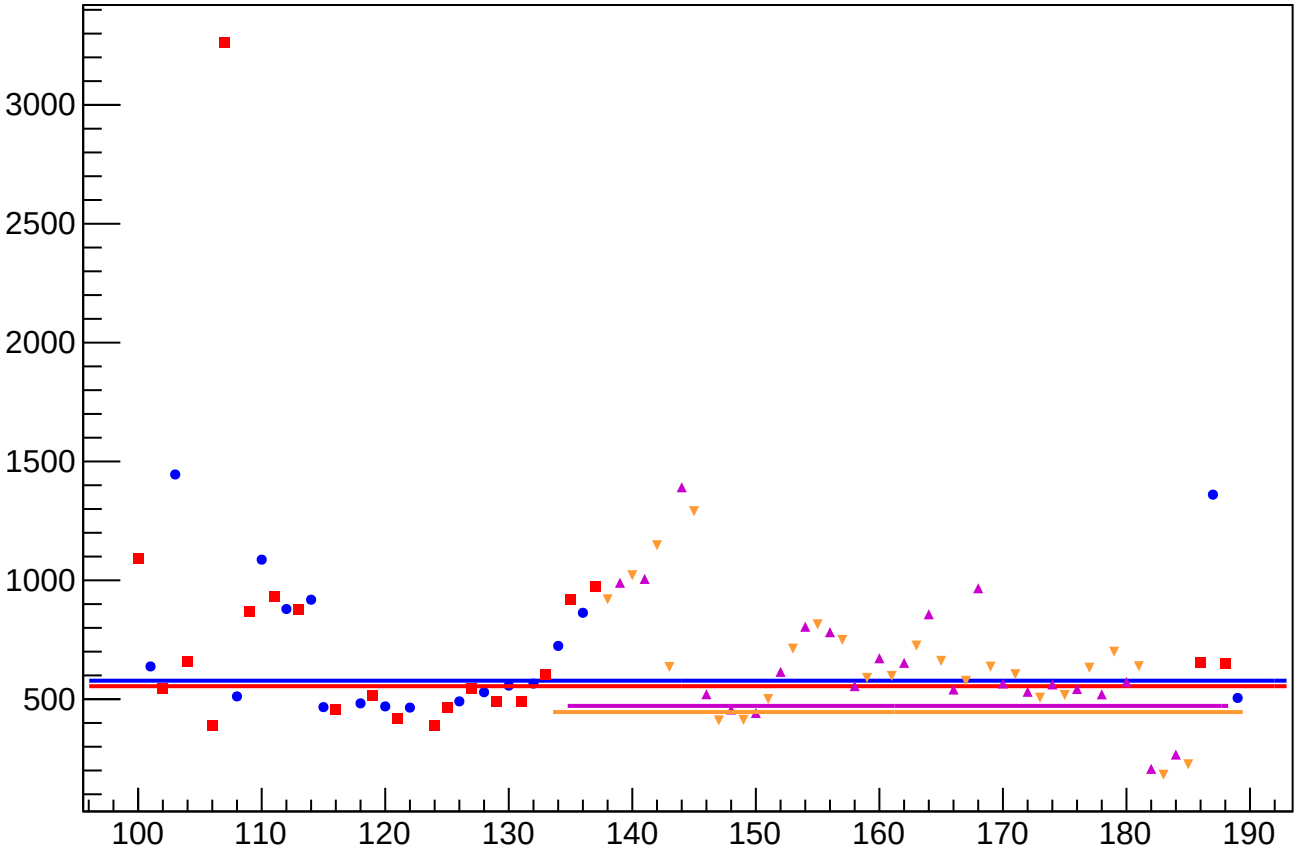
Left In: 49.310+/-122.694 χ^2/NDF:11.3/22

+ sign -158.369+/-102.078 χ^2/NDF: 54.7/42

All: -40.438+/-73.446 χ^2/NDF: 94.2/86

- sign 86.142+/-105.755 χ^2/NDF: 36.8/43

asym_at1_avg_cor_correction_rms vs Slug



Right In: 577.817+/-0.155 χ^2/NDF: 1146187.7/17

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

Right Out: 554.617+/-0.147 χ^2/NDF: 1375046.8/20

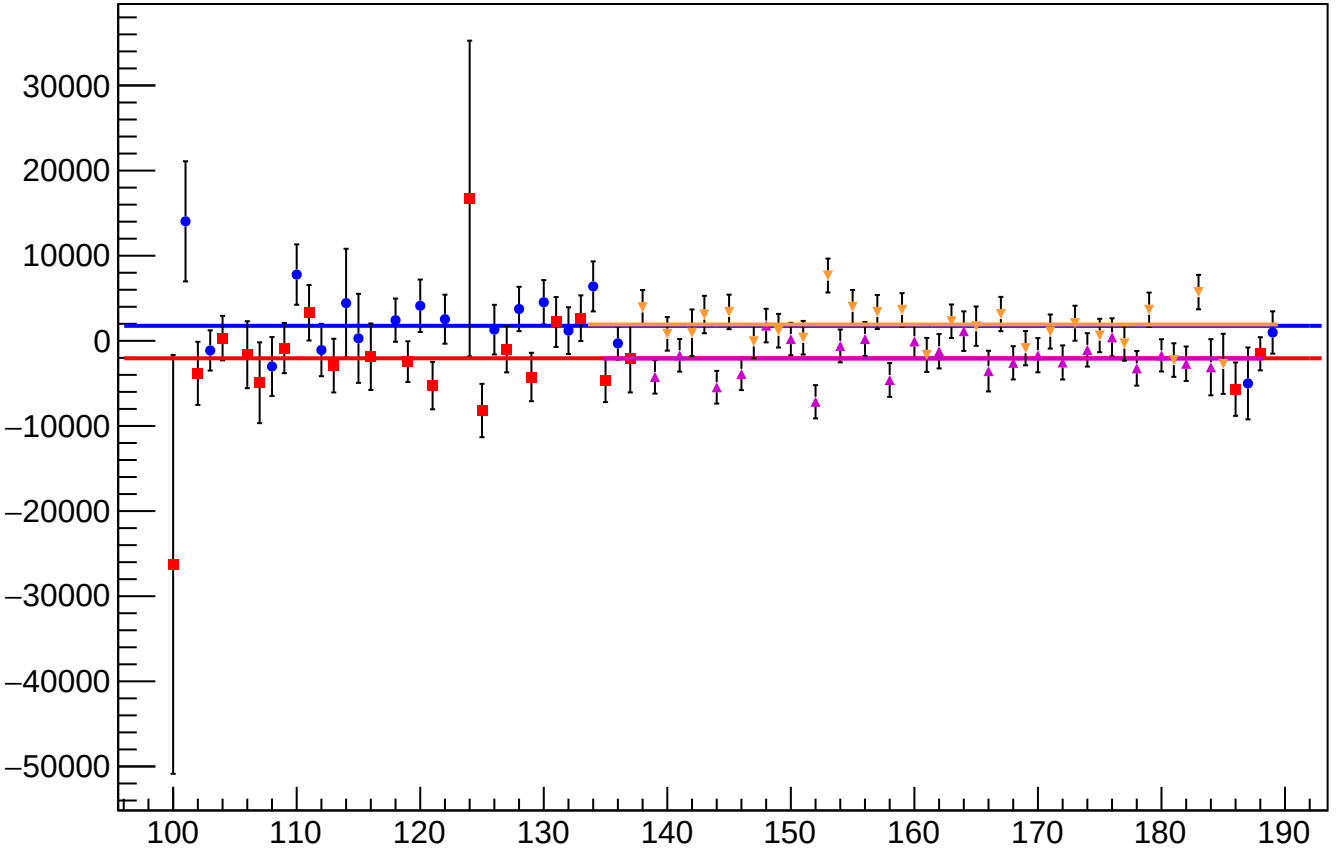
Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 474.379+/-0.072 χ^2/NDF: 9696122.0/42

All: 483.387+/-0.052 χ^2/NDF: 17751623.9/86

- sign 493.056+/-0.075 χ^2/NDF: 8023205.7/43

eigen_cor_asym_at1_avg_mean vs Slug



Right In: 1764.600+/-696.254 χ^2/NDF: 19.2/17

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: -2050.794+/-673.577 χ^2/NDF: 19.9/20

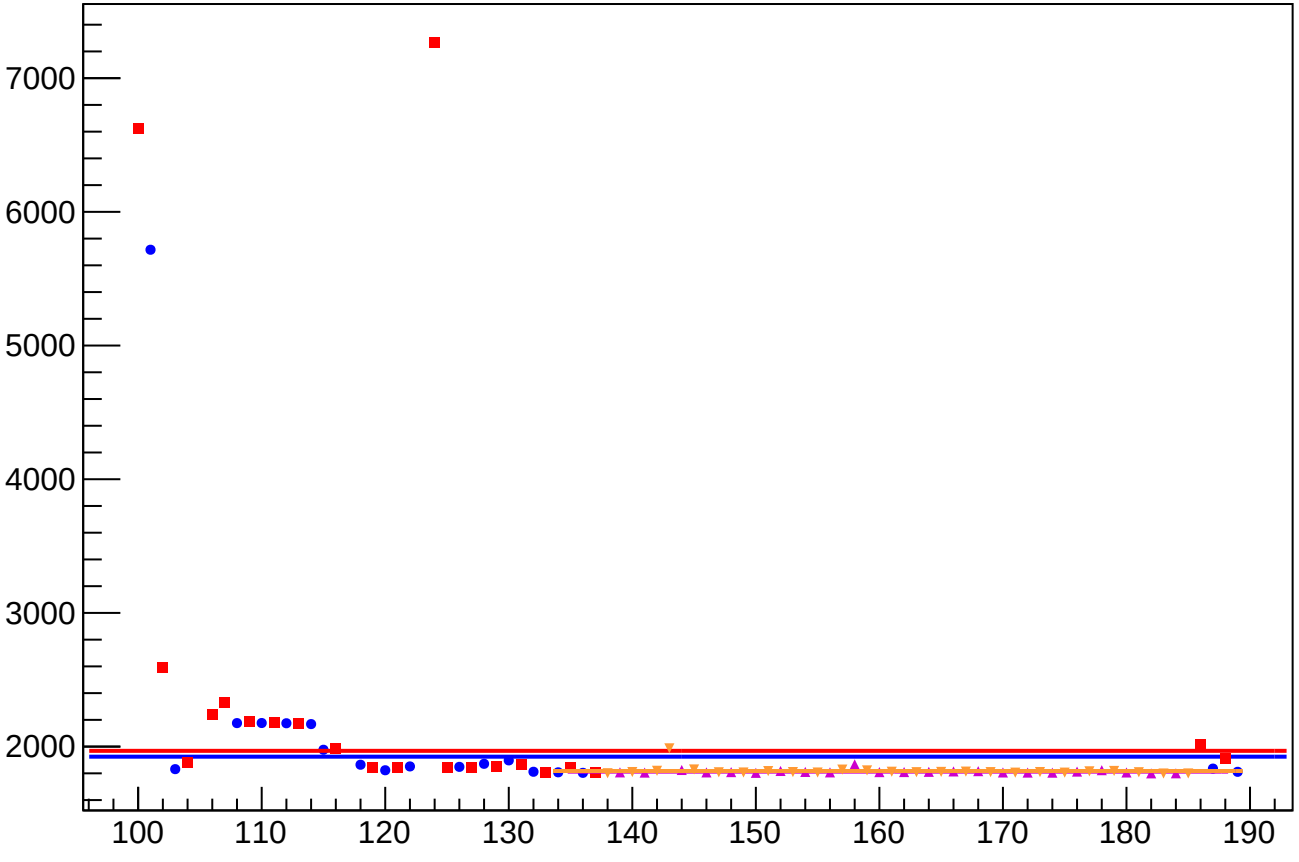
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1880.000+/-355.155 χ^2/NDF: 51.8/42

All: -76.184+/-252.253 χ^2/NDF: 159.4/86

- sign -2067.652+/-358.344 χ^2/NDF: 46.4/43

eigen_cor_asym_at1_avg_rms vs Slug



Right In: 1924.610+/-0.492 χ^2/NDF: 643724.8/17

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1968.305+/-0.476 χ^2/NDF: 382902.6/20

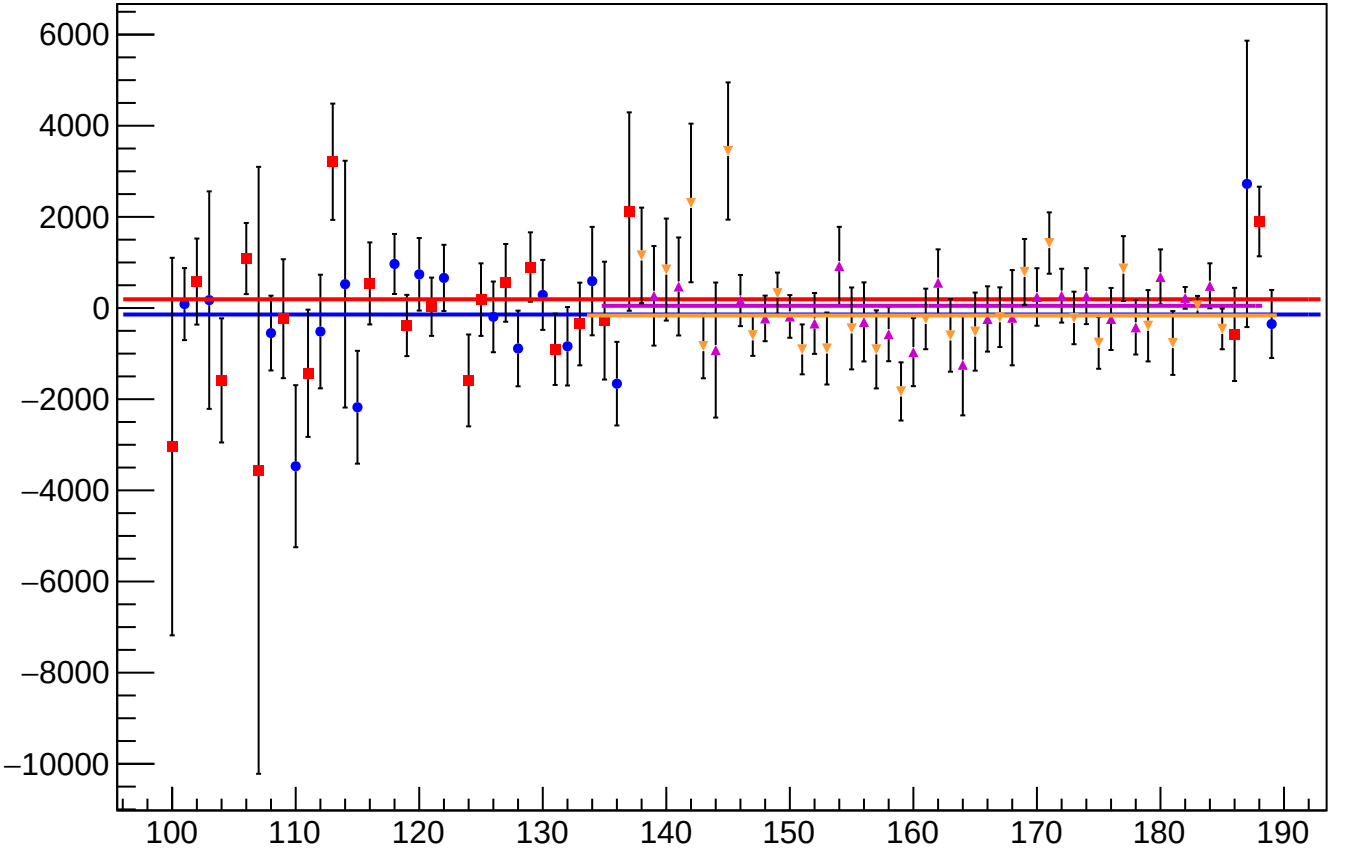
Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1845.387+/-0.251 χ^2/NDF: 691680.4/42

All: 1850.958+/-0.178 χ^2/NDF: 1154267.0/86

- sign 1856.629+/-0.253 χ^2/NDF: 461593.7/43

asym_at1_avg_eigen_cor_correction_mean vs Slug



Right In: -141.891+/-219.597 χ^2/NDF: 17.8/17

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: 192.597+/-208.588 χ^2/NDF: 25.1/20

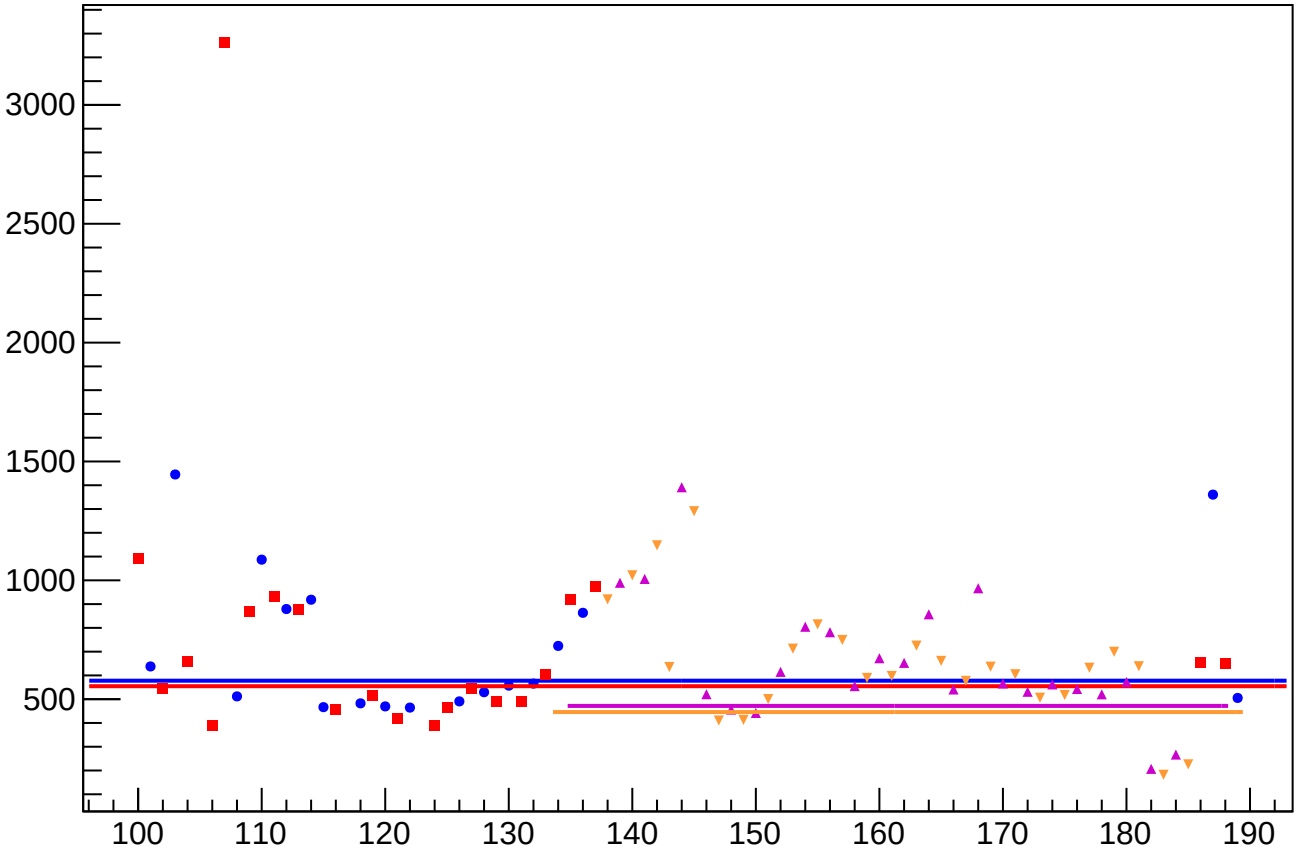
Left In: 49.310+/-122.694 χ^2/NDF:11.3/22

+ sign -158.369+/-102.078 χ^2/NDF: 54.7/42

All: -40.438+/-73.446 χ^2/NDF: 94.2/86

- sign 86.142+/-105.755 χ^2/NDF: 36.8/43

asym_at1_avg_eigen_cor_correction_rms vs Slug



Right In: 577.817+/-0.155 χ^2/NDF: 1146187.7/17

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

Right Out: 554.617+/-0.147 χ^2/NDF: 1375046.8/20

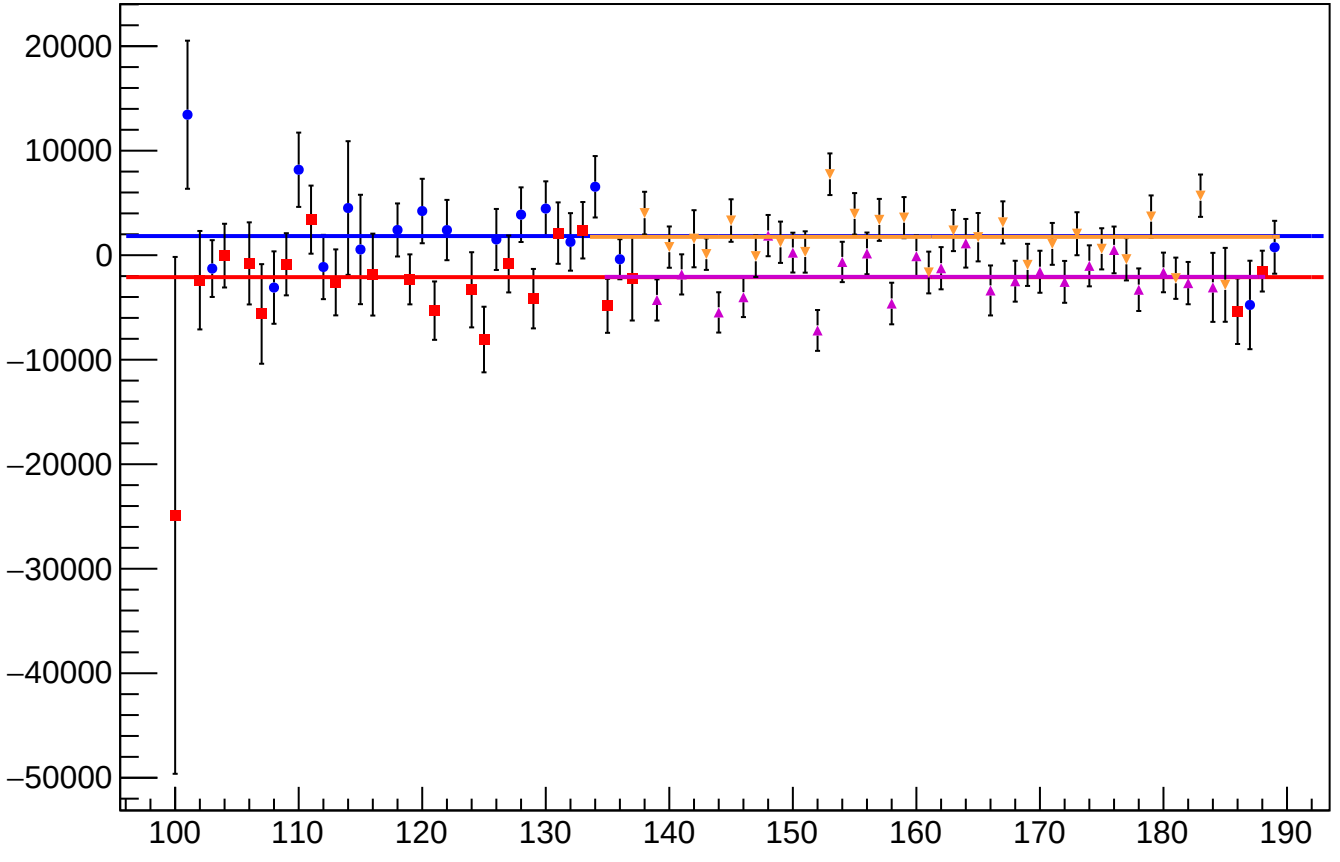
Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 474.379+/-0.072 χ^2/NDF: 9696122.0/42

All: 483.387+/-0.052 χ^2/NDF: 17751623.9/86

- sign 493.056+/-0.075 χ^2/NDF: 8023205.7/43

dit_asym_at1_avg_mean vs Slug



Right In: 1830.575+/-705.748 χ^2/NDF: 19.3/17

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: -2099.369+/-673.646 χ^2/NDF: 17.9/20

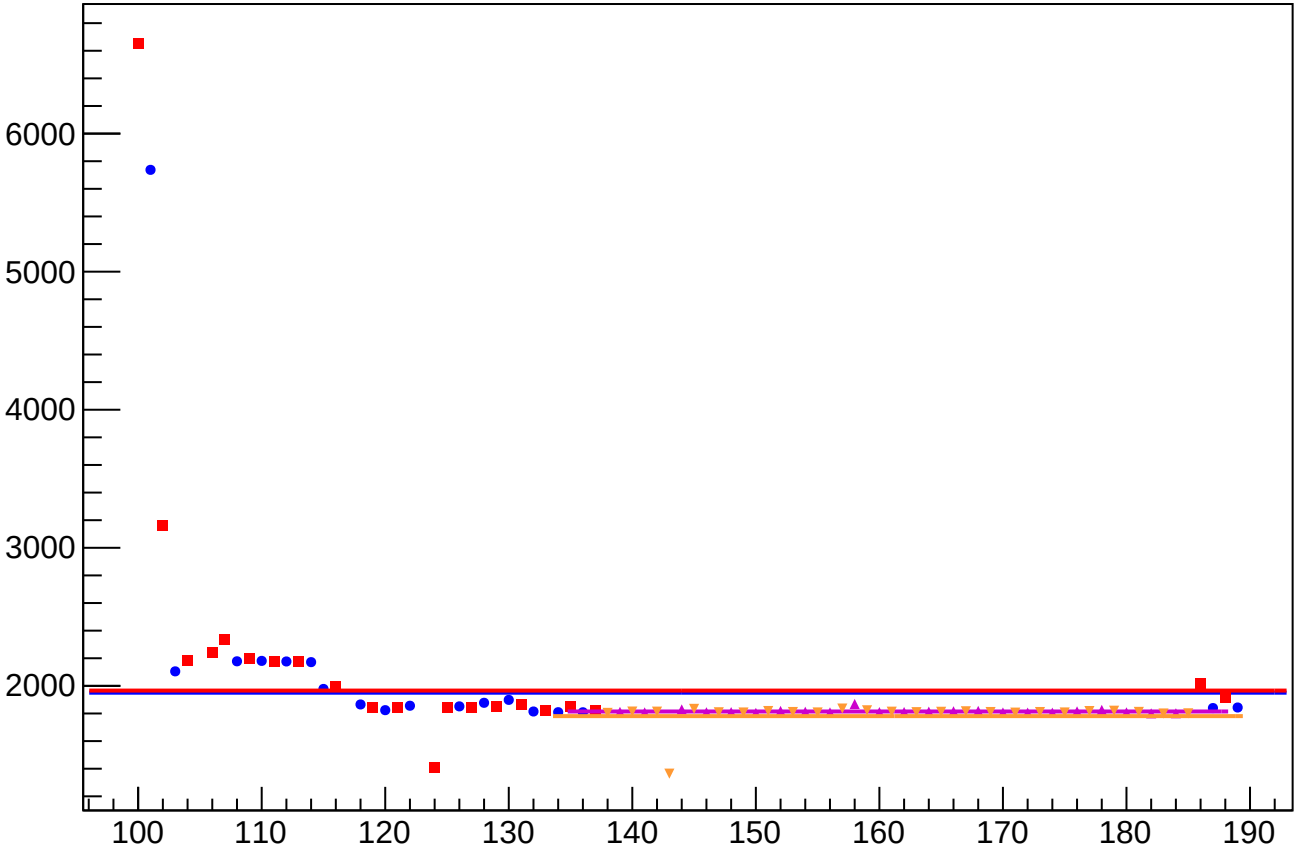
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1774.121+/-351.532 χ^2/NDF: 53.1/42

All: -114.836+/-251.041 χ^2/NDF: 156.9/86

- sign -2080.789+/-358.625 χ^2/NDF: 44.9/43

dit_asym_at1_avg_rms vs Slug



Right In: 1950.624+/-0.499 χ^2/NDF: 645820.8/17

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

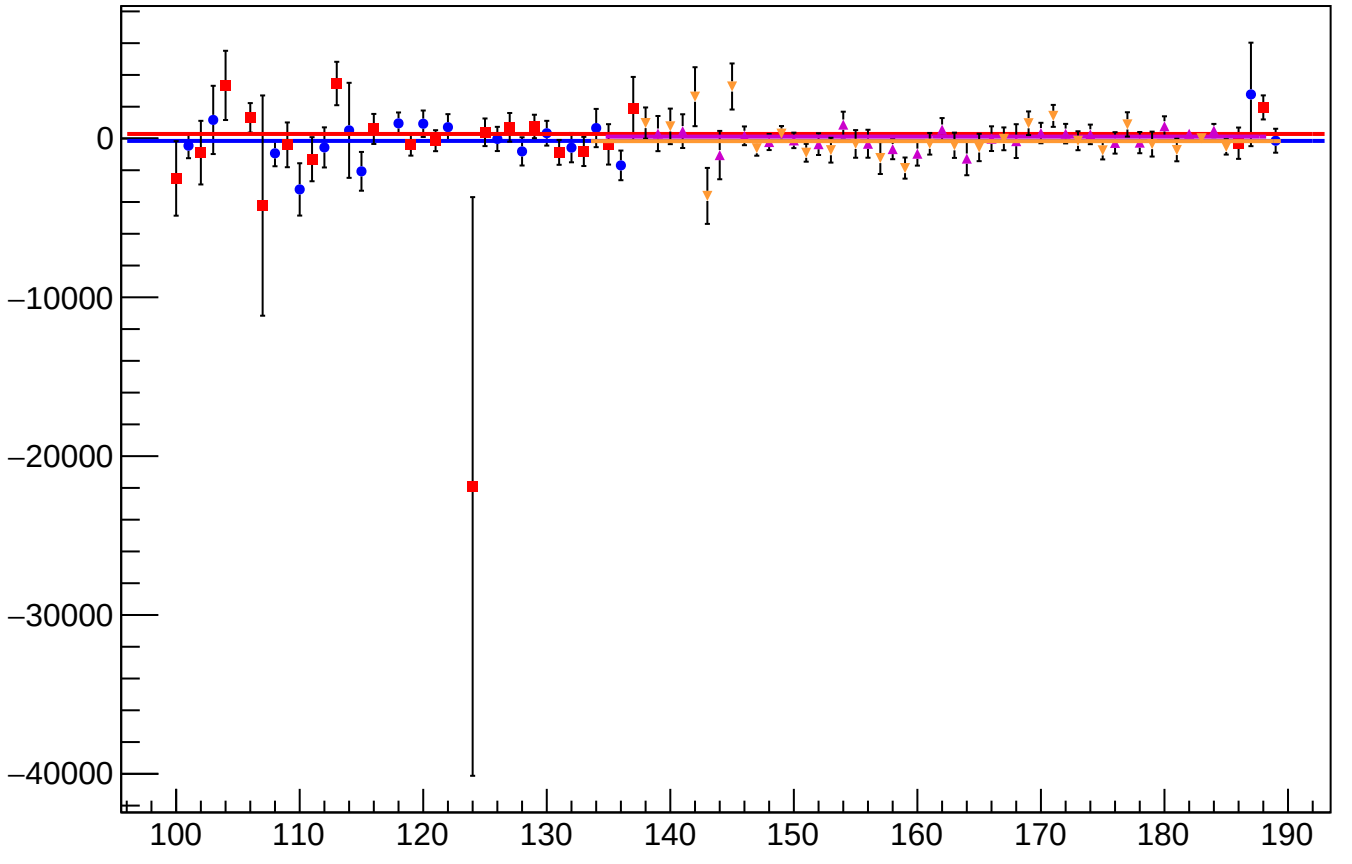
Right Out: 1965.915+/-0.476 χ^2/NDF: 347284.8/20

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1823.019+/-0.249 χ^2/NDF: 897715.4/42

All: 1839.849+/-0.178 χ^2/NDF: 1328919.8/86

- sign 1857.366+/-0.254 χ^2/NDF: 421848.5/43



Right In: -154.139+/-225.461 χ^2/NDF: 18.0/17

Left Out: -167.909+/-121.628 χ^2/NDF:38.3/24

Right Out: 284.023+/-225.139 χ^2/NDF: 25.6/20

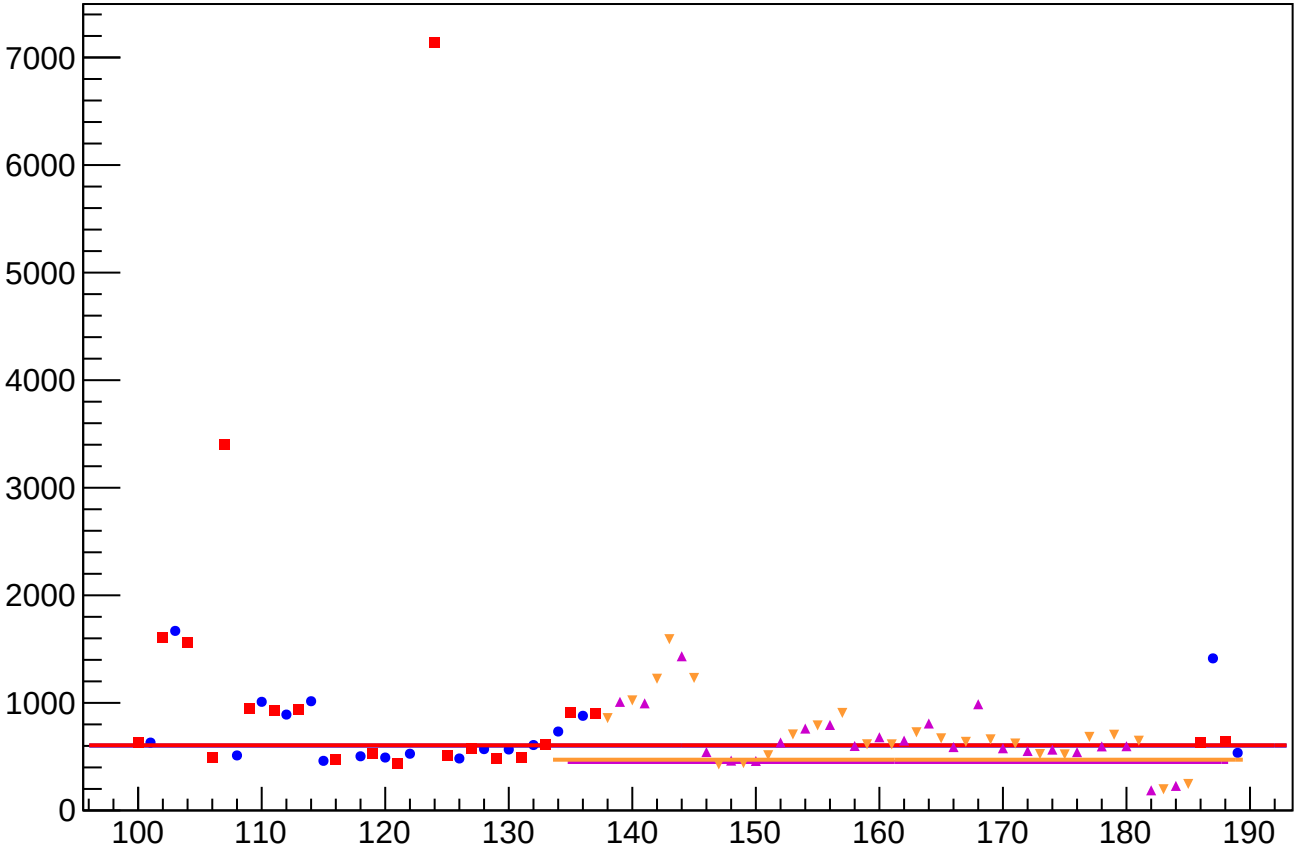
Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

+ sign -164.805+/-107.045 χ^2/NDF: 56.4/42

All: -3.443+/-75.227 χ^2/NDF: 99.2/86

- sign 154.007+/-105.740 χ^2/NDF: 38.4/43

asym_at1_avg_dit_correction_rms vs Slug



Right In: 603.035+/-0.159 χ^2/NDF: 1302662.6/17

Left Out: 471.777+/-0.086 χ^2/NDF:8112666.9/24

Right Out: 605.805+/-0.159 χ^2/NDF: 2335623.6/20

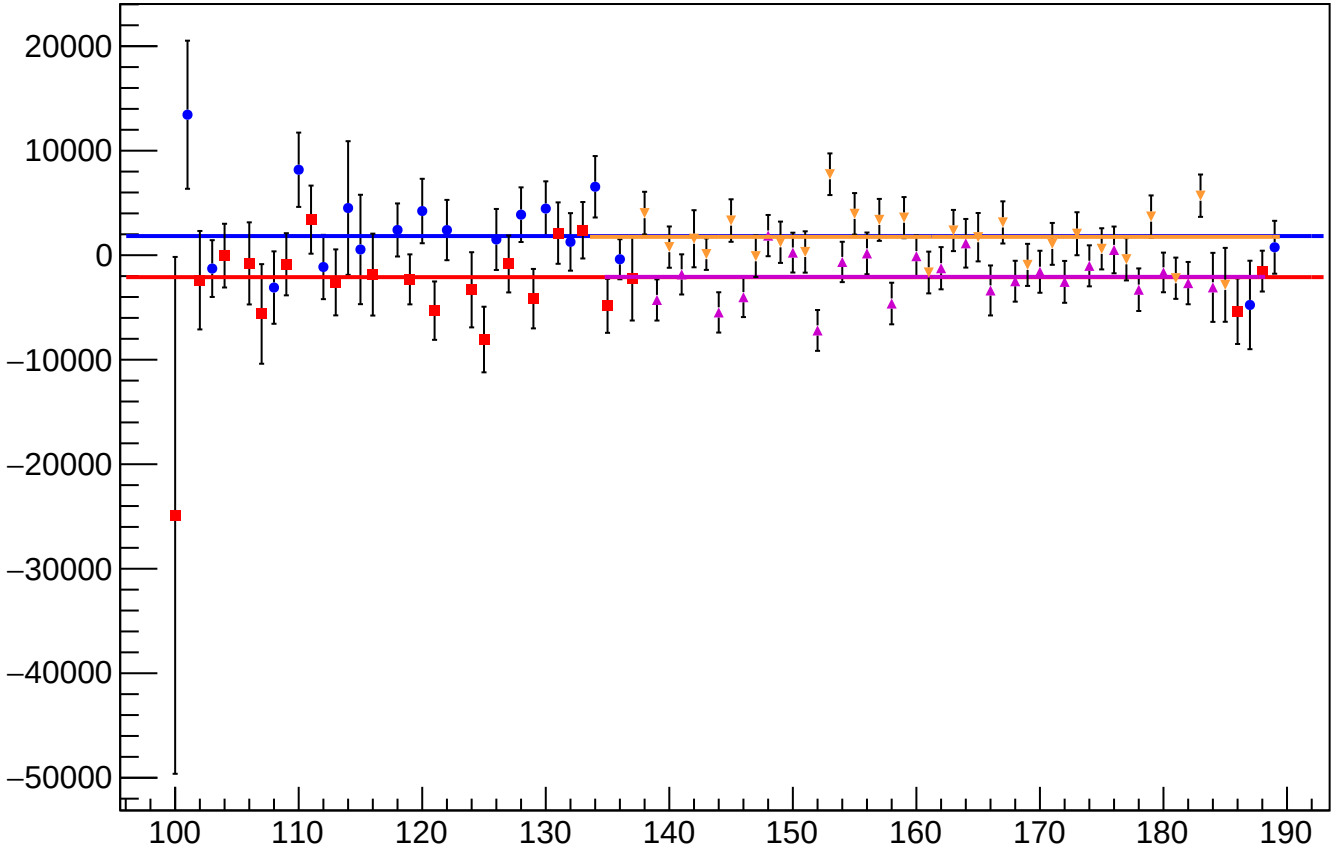
Left In: 450.652+/-0.085 χ^2/NDF:7928332.5/22

+ sign 501.365+/-0.076 χ^2/NDF: 9940386.7/42

All: 493.020+/-0.053 χ^2/NDF: 20968682.9/86

- sign 484.876+/-0.075 χ^2/NDF: 11004278.2/43

eigen_dit_asym_at1_avg_mean vs Slug



Right In: 1830.573+/-705.748 χ^2/NDF: 19.3/17

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: -2099.366+/-673.646 χ^2/NDF: 17.9/20

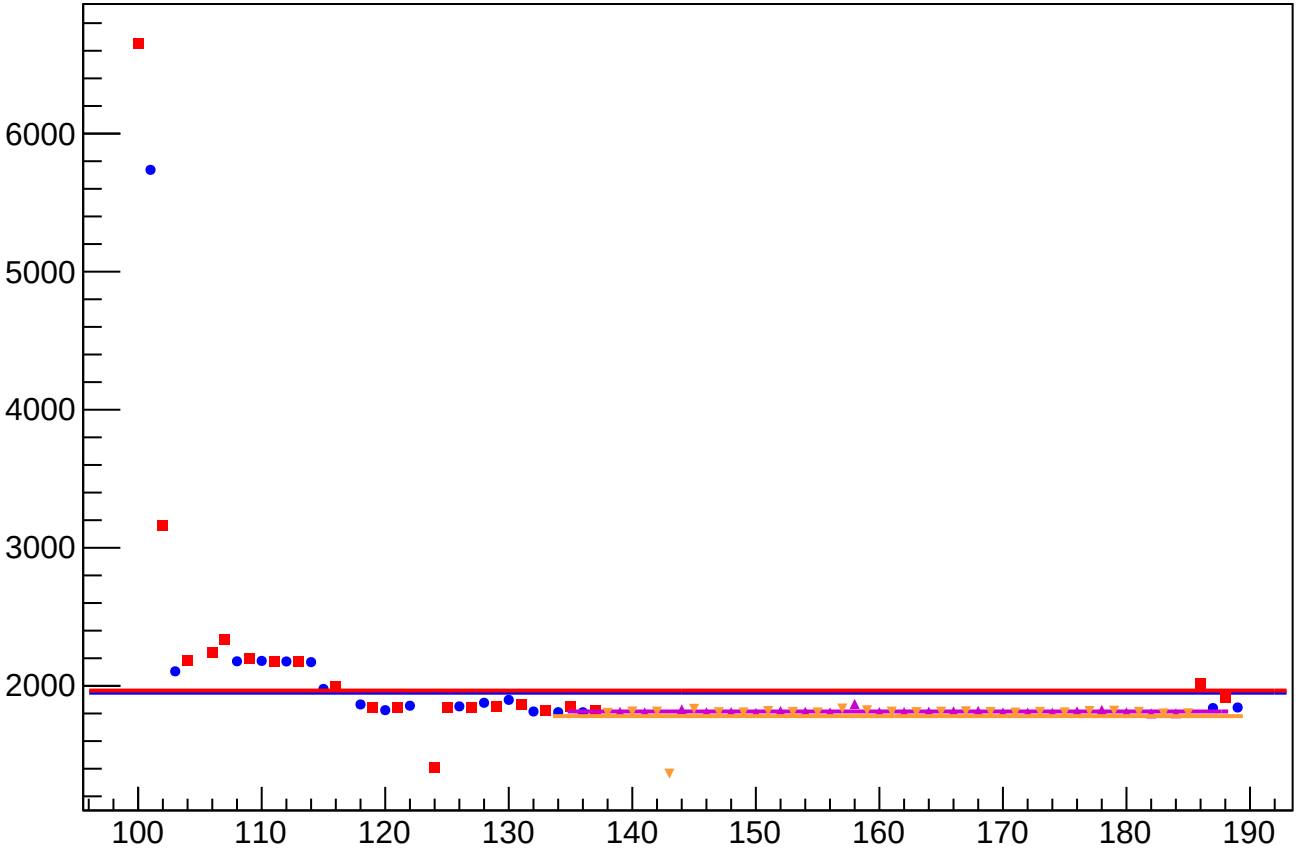
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1774.121+/-351.532 χ^2/NDF: 53.1/42

All: -114.836+/-251.041 χ^2/NDF: 156.9/86

- sign -2080.788+/-358.625 χ^2/NDF: 44.9/43

eigen_dit_asym_at1_avg_rms vs Slug



Right In: 1950.624+/-0.499 χ^2/NDF: 645820.5/17

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

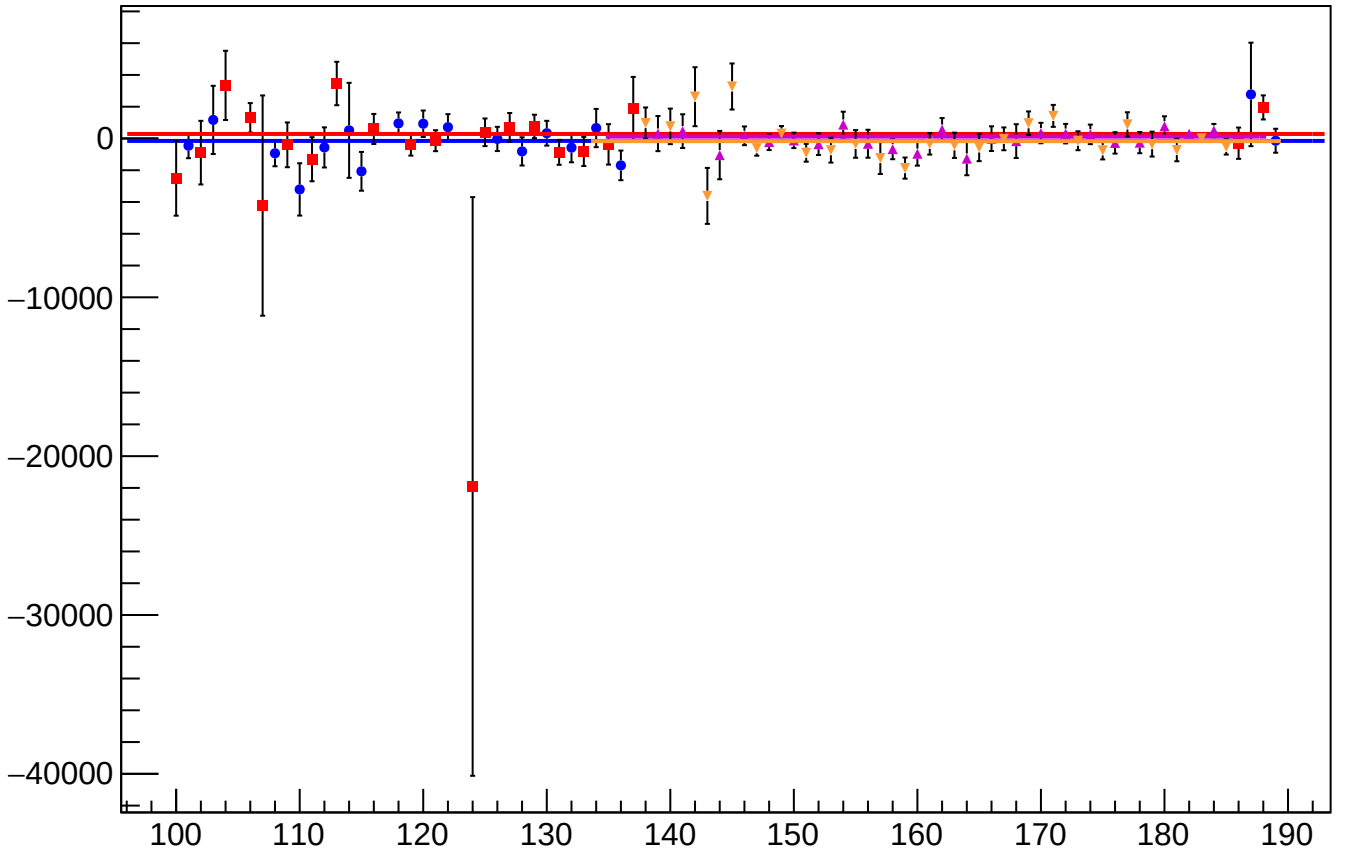
Right Out: 1965.915+/-0.476 χ^2/NDF: 347283.5/20

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1823.019+/-0.249 χ^2/NDF: 897714.8/42

All: 1839.849+/-0.178 χ^2/NDF: 1328917.8/86

- sign 1857.366+/-0.254 χ^2/NDF: 421847.0/43



Right In: -154.138+/-225.461 χ^2/NDF: 18.0/17

Left Out: -167.909+/-121.629 χ^2/NDF:38.3/24

Right Out: 284.023+/-225.139 χ^2/NDF: 25.6/20

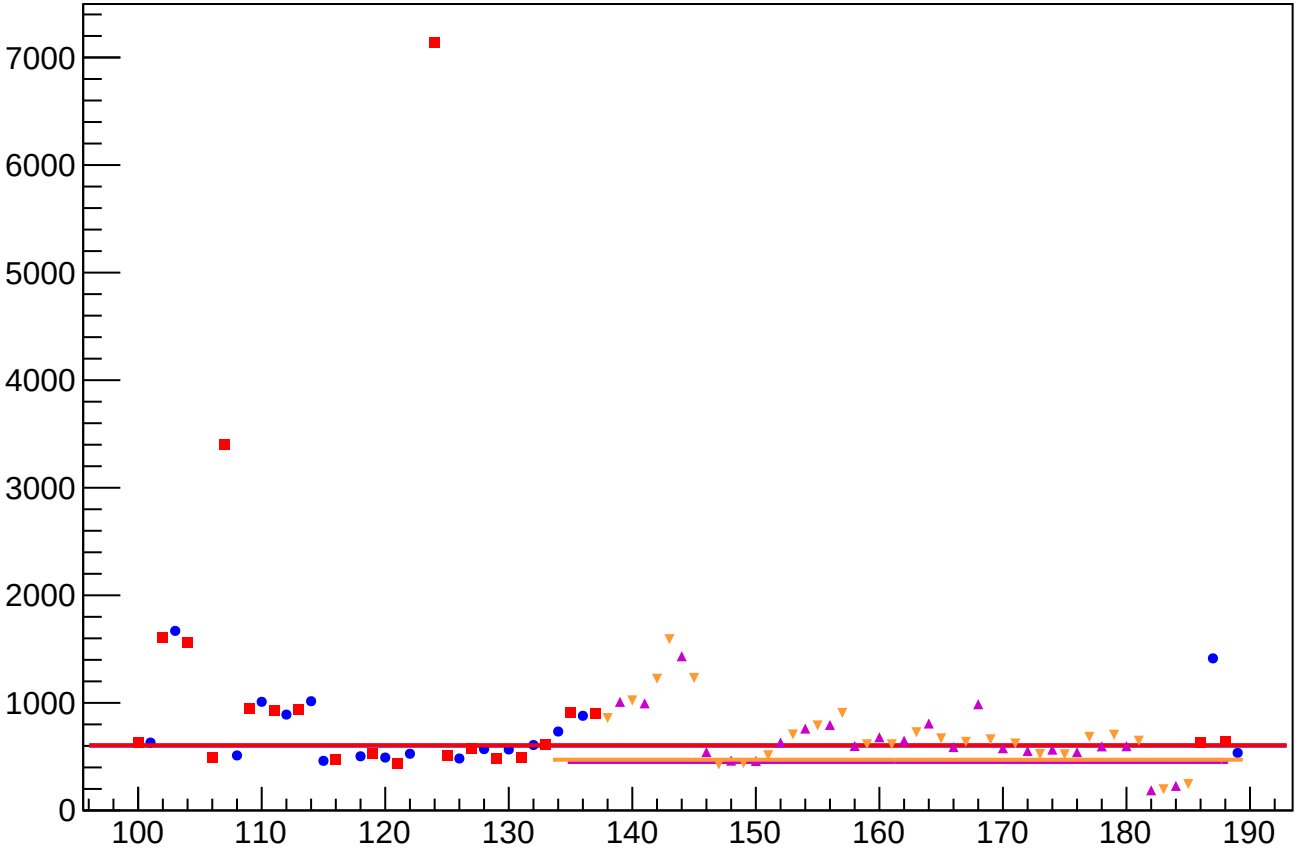
Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

+ sign -164.805+/-107.046 χ^2/NDF: 56.4/42

All: -3.443+/-75.227 χ^2/NDF: 99.2/86

- sign 154.007+/-105.740 χ^2/NDF: 38.4/43

asym_at1_avg_eigen_dit_correction_rms vs Slug



Right In: 603.034+/-0.159 χ^2/NDF: 1302670.6/17

Left Out: 471.778+/-0.086 χ^2/NDF:8112665.9/24

Right Out: 605.805+/-0.159 χ^2/NDF: 2335631.8/20

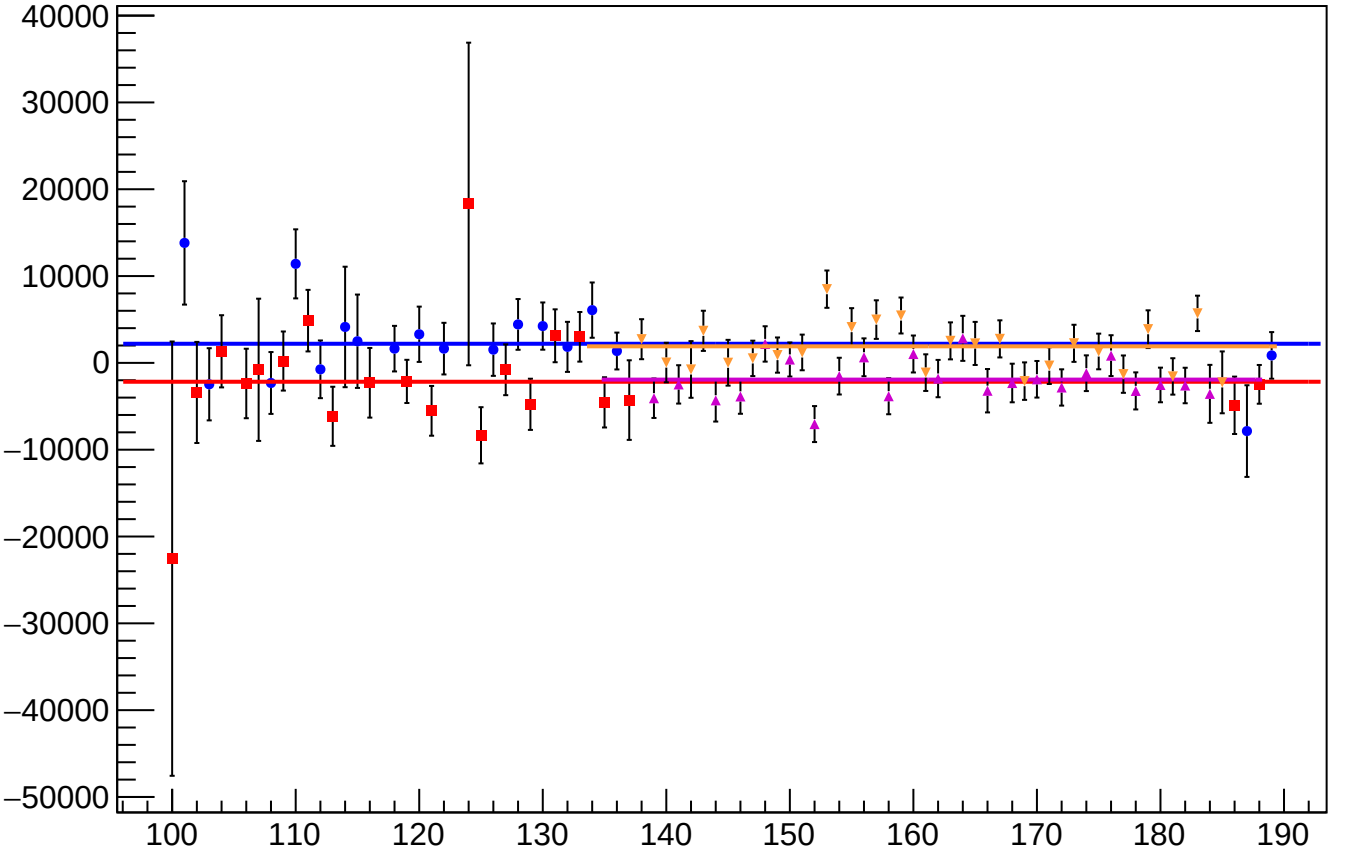
Left In: 450.653+/-0.085 χ^2/NDF:7928317.5/22

+ sign 501.366+/-0.076 χ^2/NDF: 9940382.1/42

All: 493.020+/-0.053 χ^2/NDF: 20968655.7/86

- sign 484.877+/-0.075 χ^2/NDF: 11004256.3/43

asym_at1_avg_mean vs Slug



Right In: 2202.448+/-766.986 χ^2/NDF: 18.7/17

Left Out: 1907.369+/-443.523 χ^2/NDF:36.3/24

Right Out: -2173.494+/-748.759 χ^2/NDF: 22.3/20

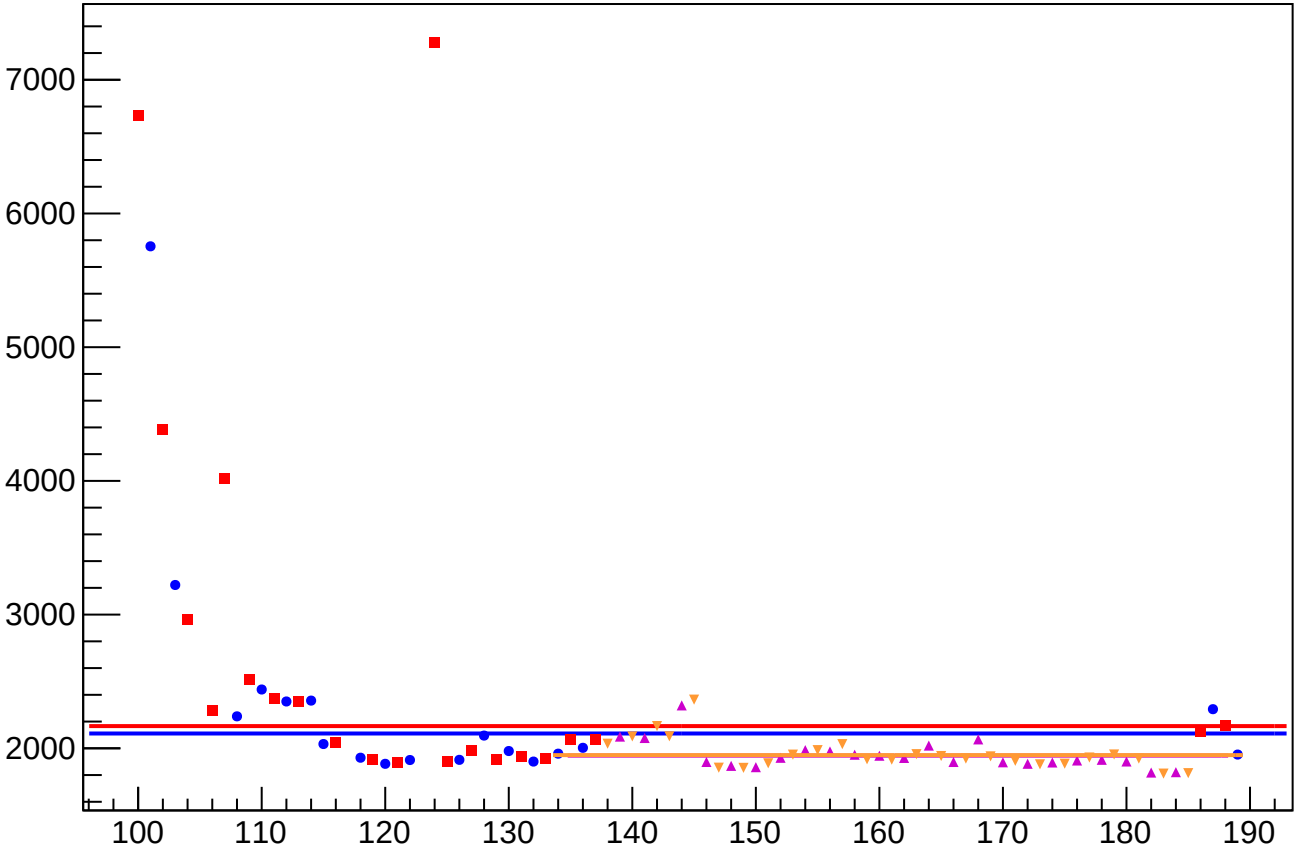
Left In: -1926.570+/-454.880 χ^2/NDF:24.8/22

+ sign 1981.315+/-383.950 χ^2/NDF: 55.1/42

All: 18.840+/-273.179 χ^2/NDF: 155.2/86

- sign -1993.135+/-388.762 χ^2/NDF: 47.2/43

asym_at1_avg_rms vs Slug



Right In: 2110.746+/-0.542 χ^2/NDF: 769527.4/17

Left Out: 1949.001+/-0.314 χ^2/NDF:108523.9/24

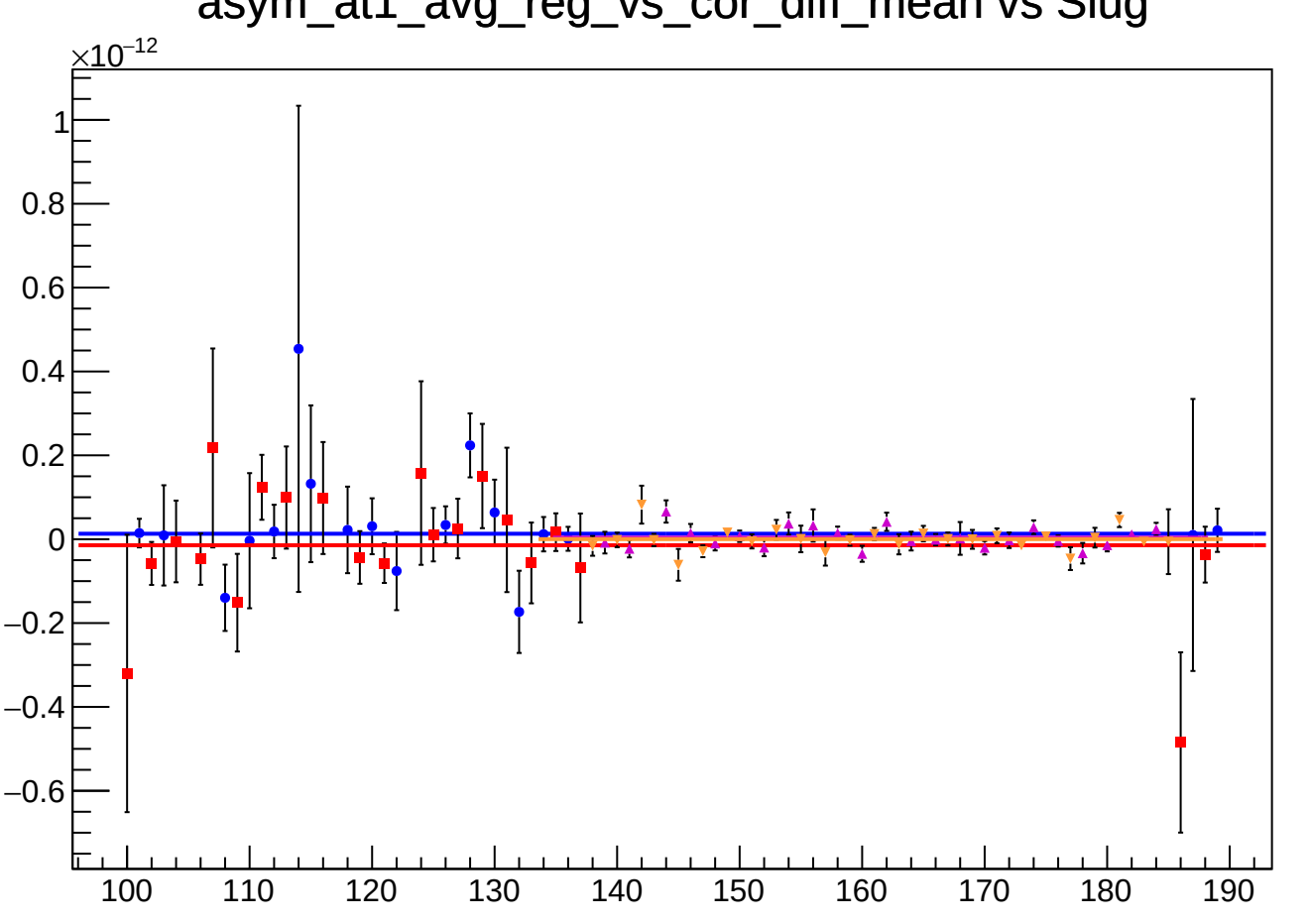
Right Out: 2166.123+/-0.529 χ^2/NDF: 824234.7/20

Left In: 1945.132+/-0.322 χ^2/NDF:95954.5/22

+ sign 1989.534+/-0.271 χ^2/NDF: 944705.8/42

All: 1997.026+/-0.193 χ^2/NDF: 1993691.2/86

- sign 2004.707+/-0.275 χ^2/NDF: 1047443.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:28.7/24

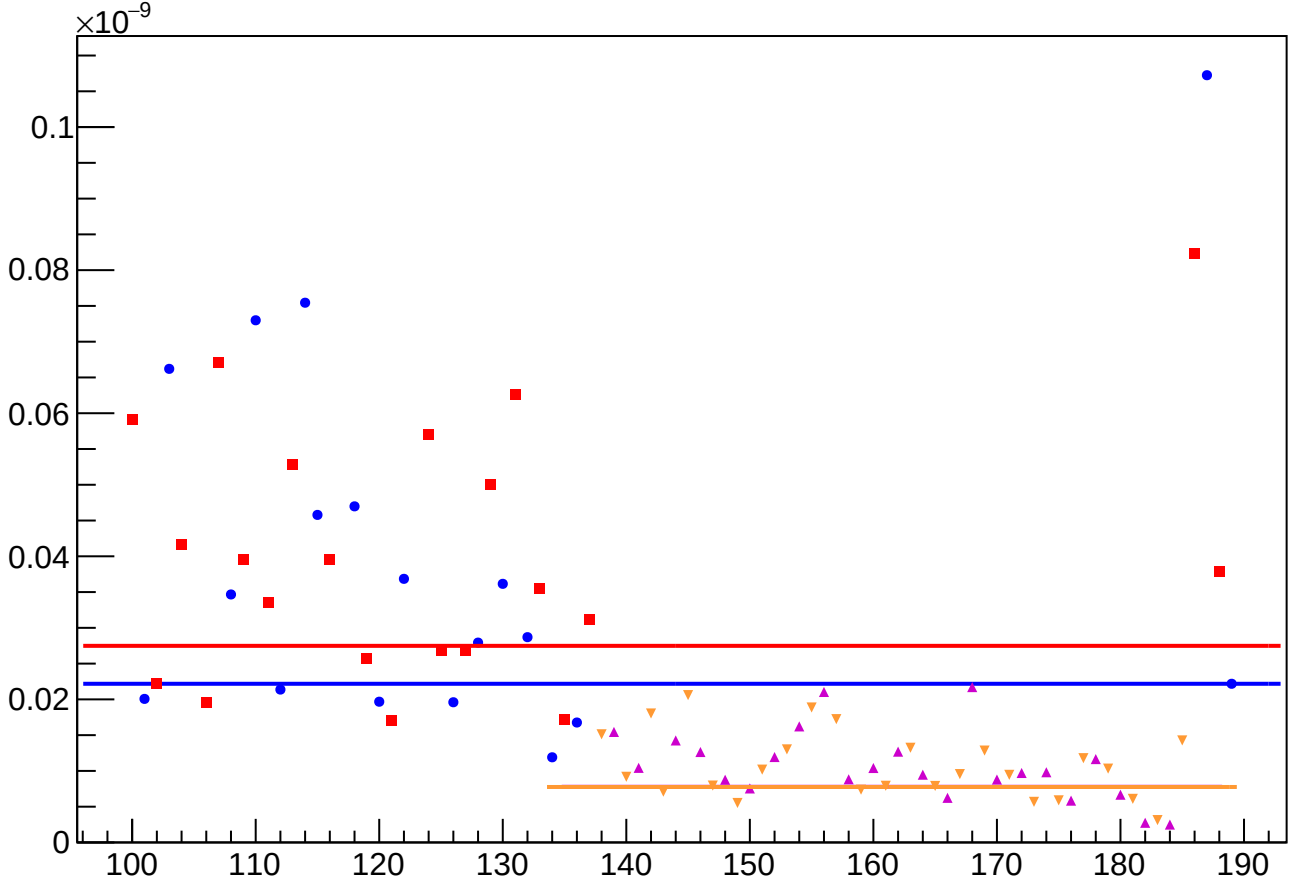
Right Out: -0.000+/-0.000 χ^2/NDF: 18.7/20

Left In: 0.000+/-0.000 χ^2/NDF:31.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 47.3/42

All: 0.000+/-0.000 χ^2/NDF: 98.4/86

- sign 0.000+/-0.000 χ^2/NDF: 50.9/43



Right In: 0.000+/-0.000 χ^2/NDF: 1170485.5/17

Left Out: 0.000+/-0.000 χ^2/NDF:2160933.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 892966.7/20

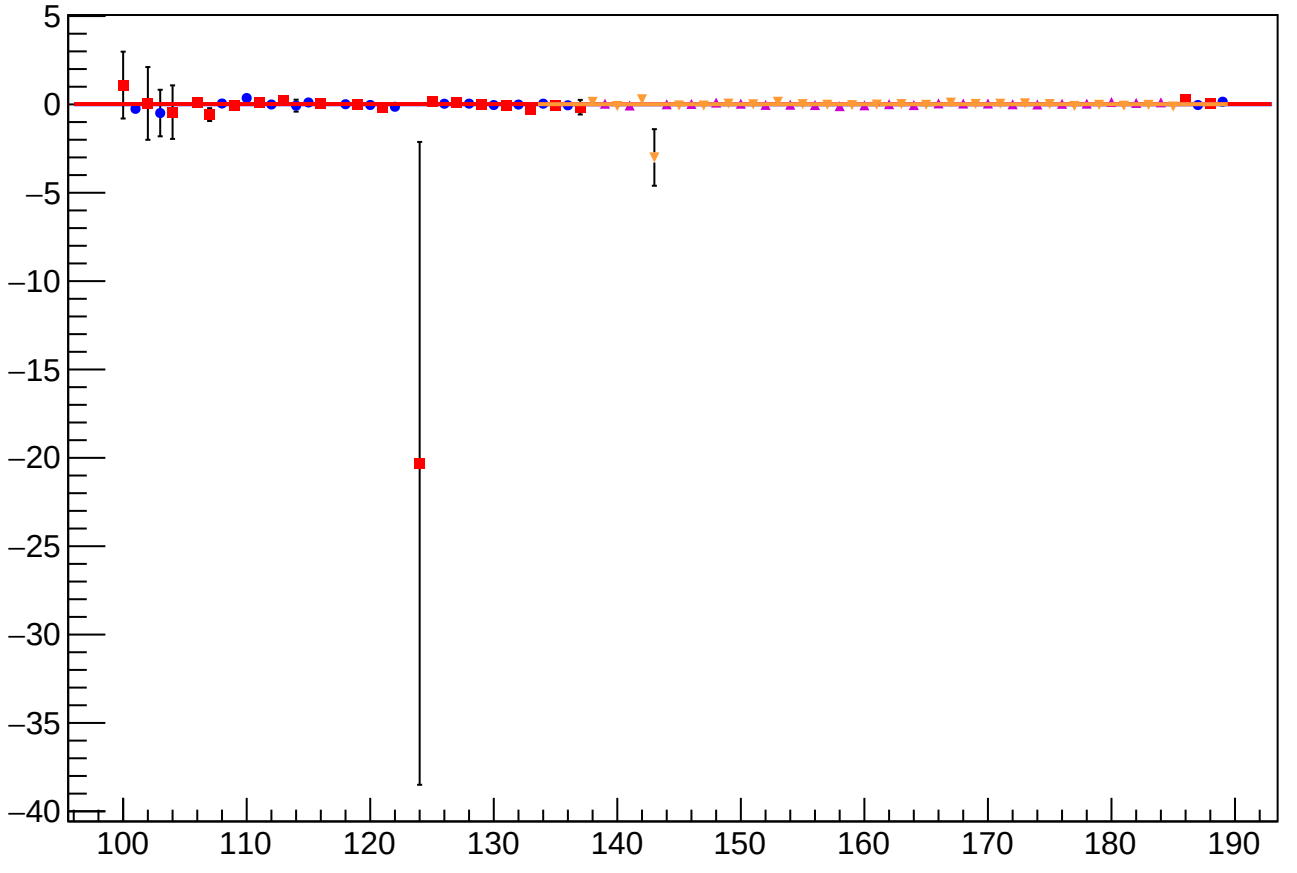
Left In: 0.000+/-0.000 χ^2/NDF:2613869.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 5303489.5/42

All: 0.000+/-0.000 χ^2/NDF: 11288038.0/86

- sign 0.000+/-0.000 χ^2/NDF: 5984176.1/43

asym_at1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.009+/-0.026 χ^2/NDF: 12.6/17

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.021+/-0.025 χ^2/NDF: 20.6/20

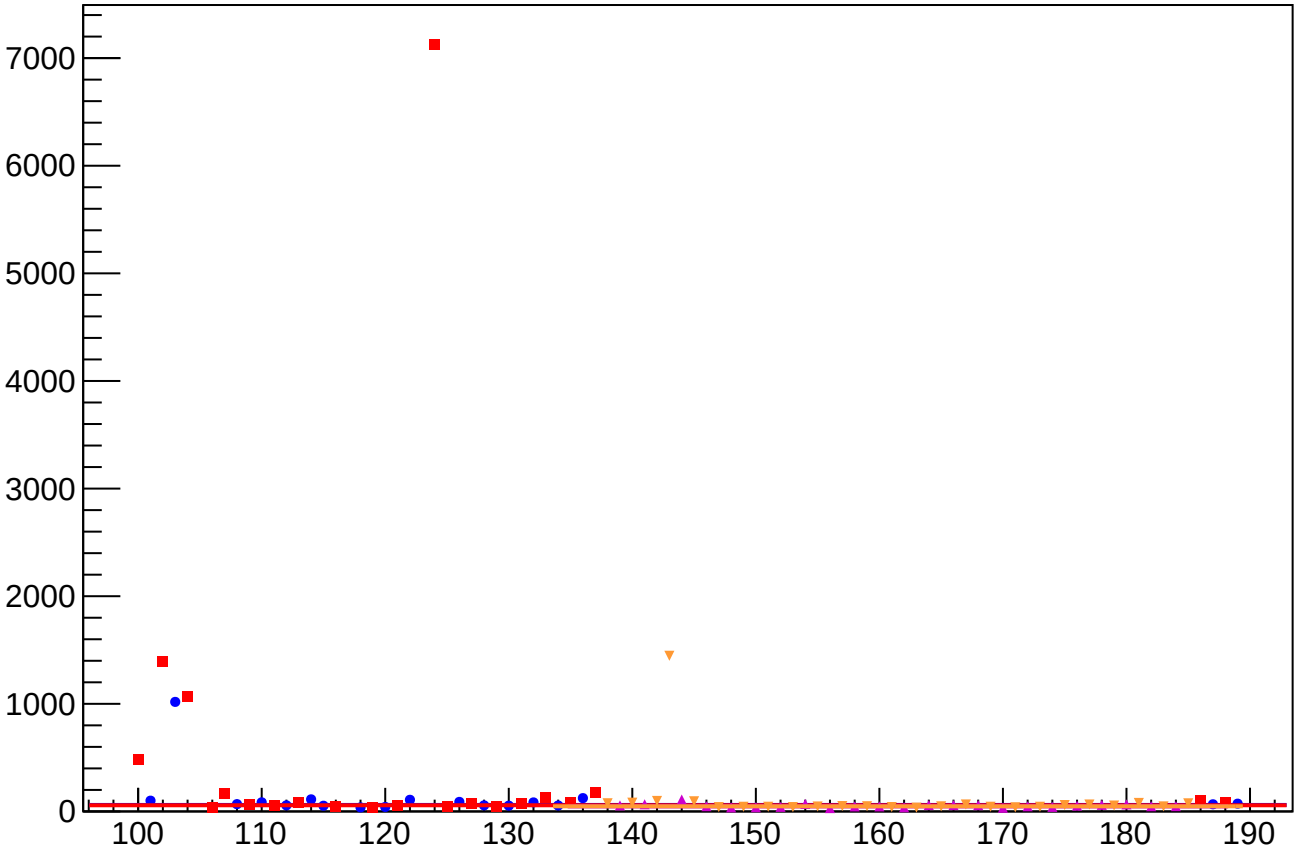
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.011+/-0.011 χ^2/NDF: 42.2/42

All: 0.015+/-0.008 χ^2/NDF: 83.4/86

- sign 0.019+/-0.011 χ^2/NDF: 40.9/43

asym_at1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 60.454+/-0.018 χ^2/NDF: 2557781.1/17

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

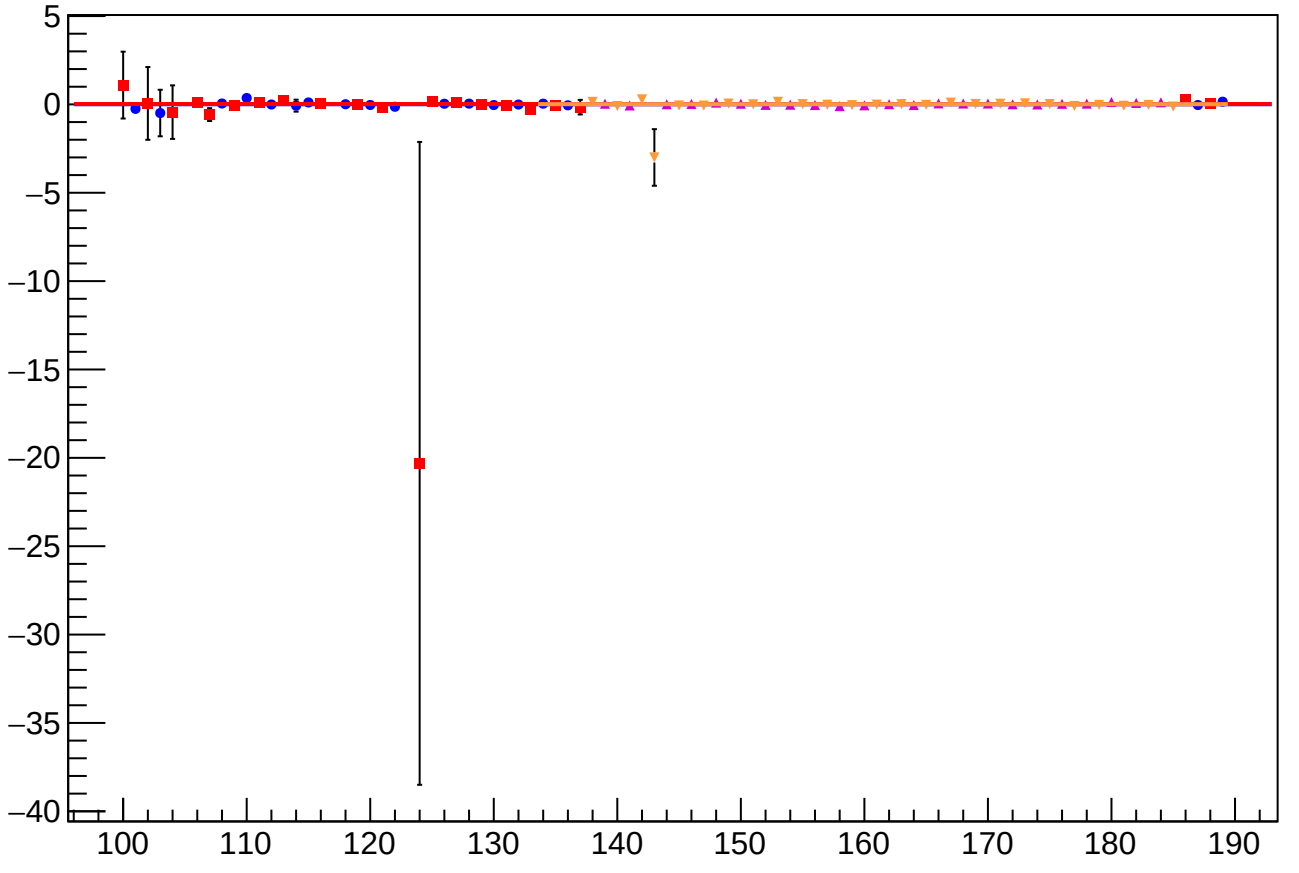
Right Out: 57.473+/-0.017 χ^2/NDF: 3887014.8/20

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 50.255+/-0.008 χ^2/NDF: 6436108.2/42

All: 49.566+/-0.006 χ^2/NDF: 12589133.1/86

- sign 48.906+/-0.008 χ^2/NDF: 6138230.7/43



Right In: 0.009+/-0.026 χ^2/NDF: 12.6/17

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.021+/-0.025 χ^2/NDF: 20.6/20

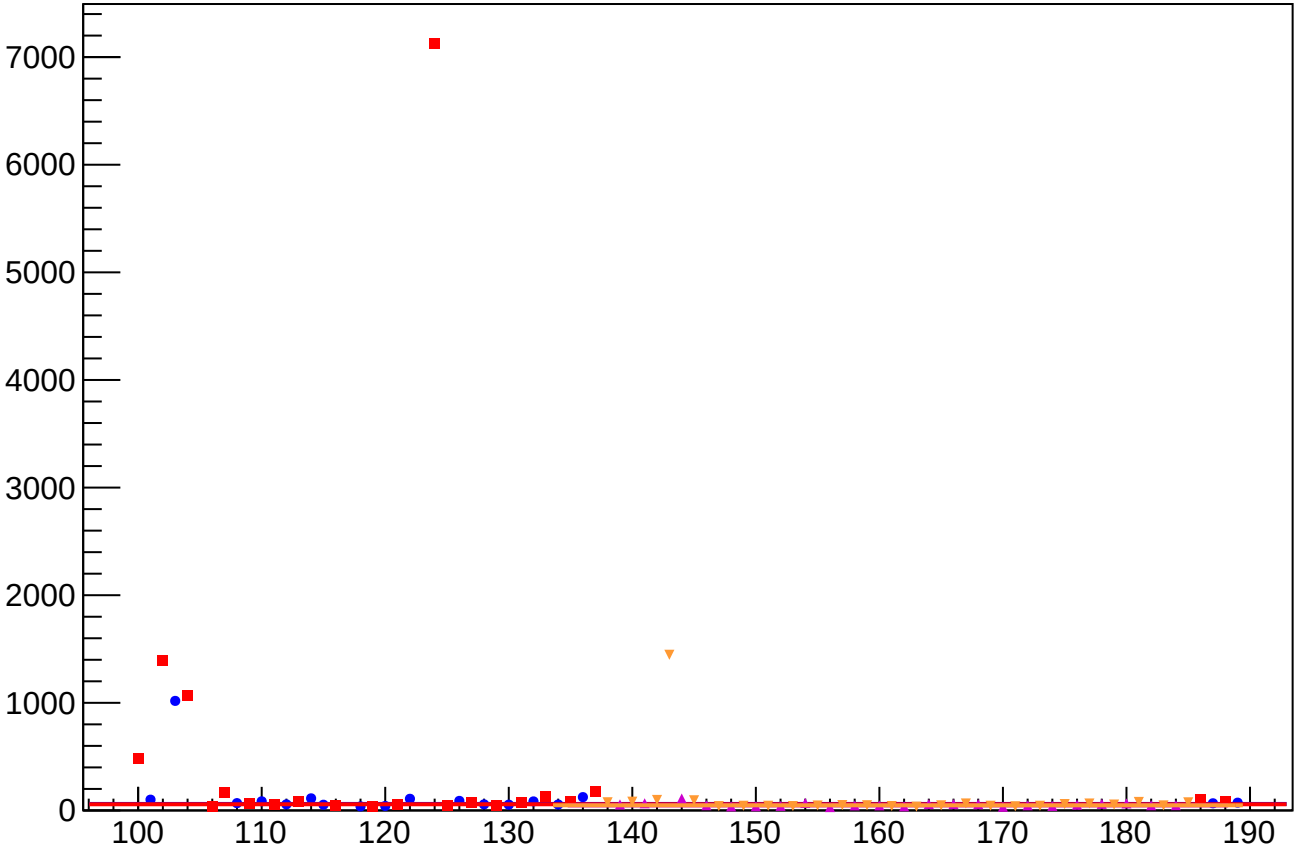
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.011+/-0.011 χ^2/NDF: 42.2/42

All: 0.015+/-0.008 χ^2/NDF: 83.4/86

- sign 0.019+/-0.011 χ^2/NDF: 40.9/43

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.454+/-0.018 χ^2/NDF: 2557781.1/17

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

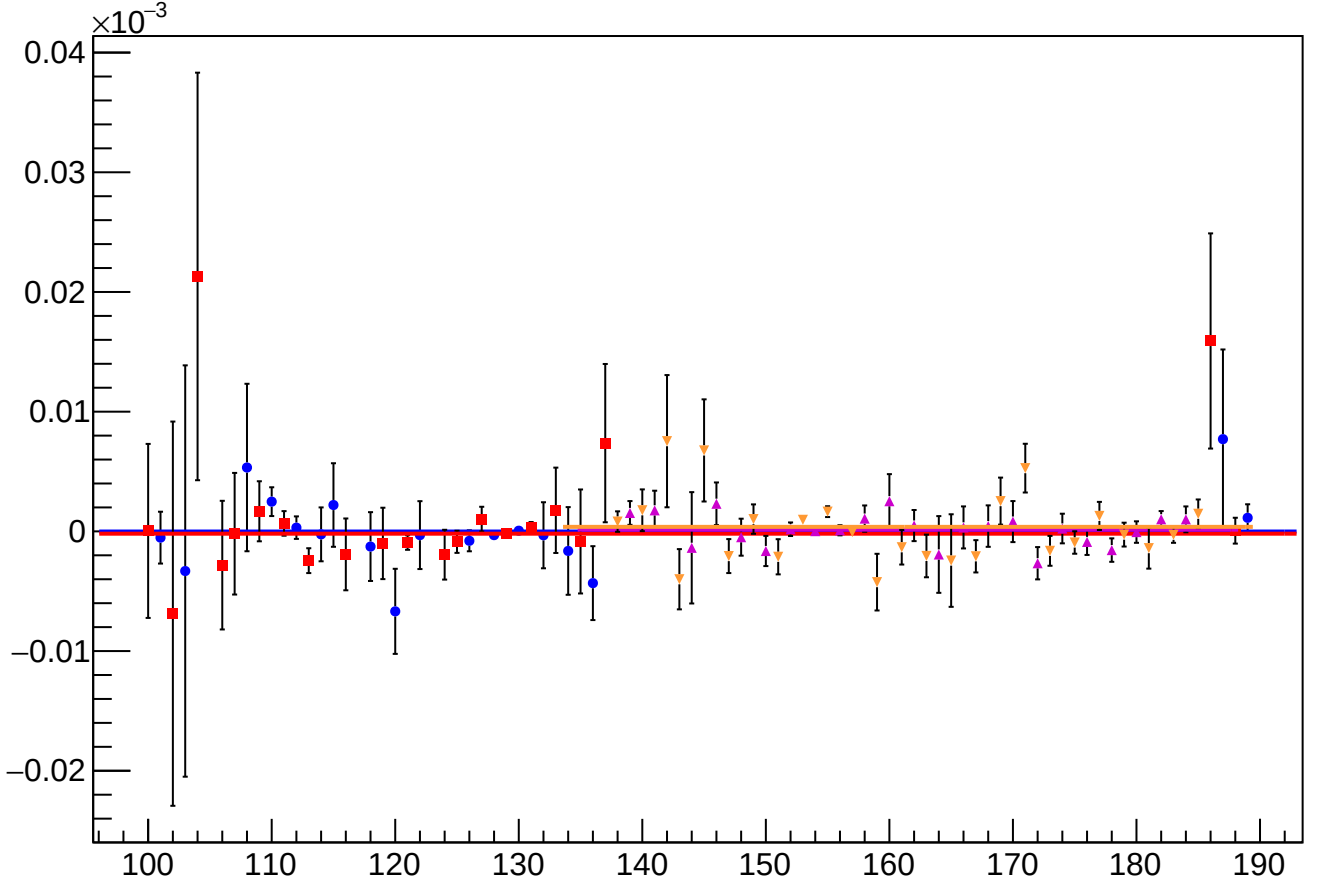
Right Out: 57.473+/-0.017 χ^2/NDF: 3887014.8/20

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 50.255+/-0.008 χ^2/NDF: 6436108.2/42

All: 49.566+/-0.006 χ^2/NDF: 12589133.1/86

- sign 48.906+/-0.008 χ^2/NDF: 6138230.7/43



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:51.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/20

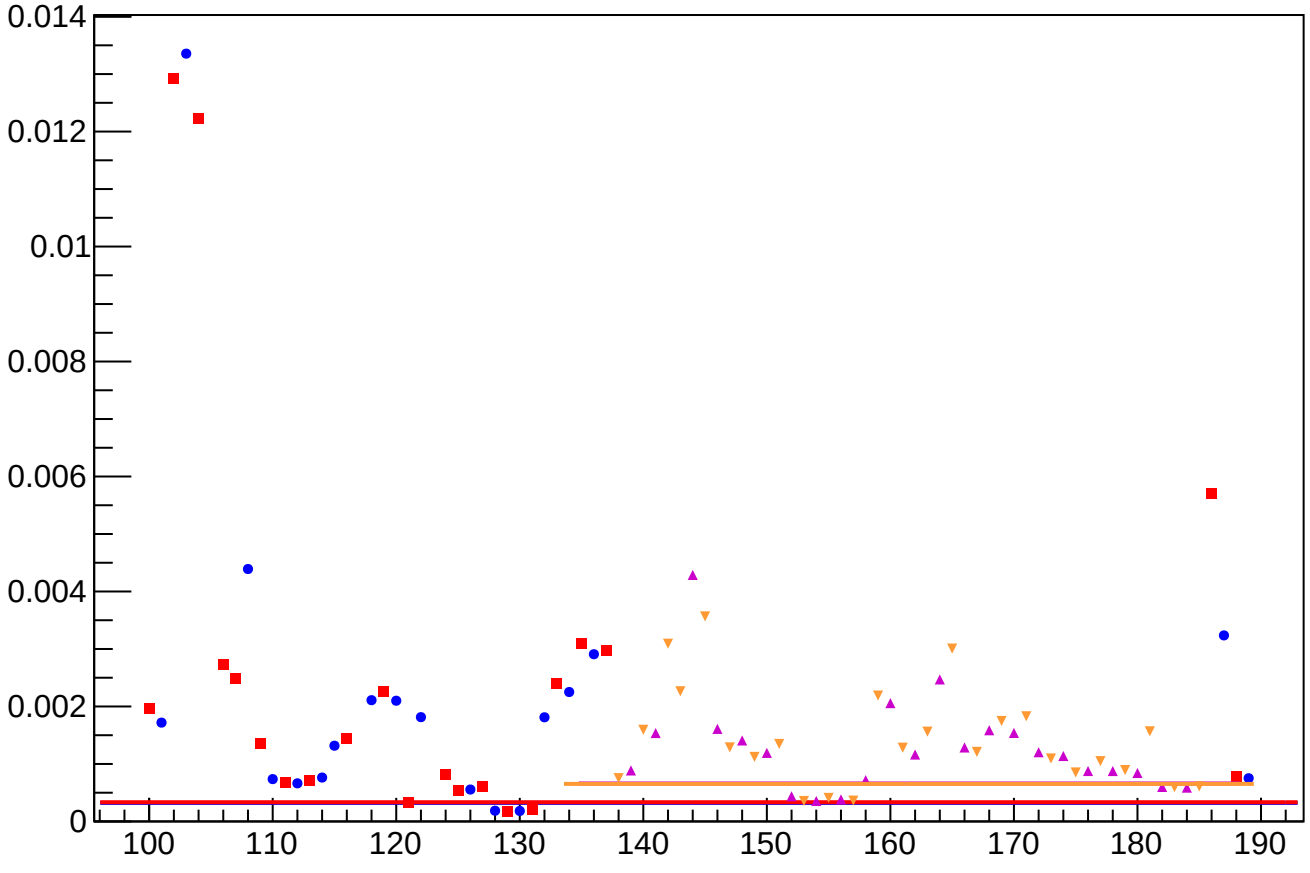
Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 68.9/42

All: 0.000+/-0.000 χ^2/NDF: 110.5/86

- sign -0.000+/-0.000 χ^2/NDF: 40.4/43

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 9357988.5/17

Left Out: 0.001+/-0.000 χ^2/NDF:12083891.4/24

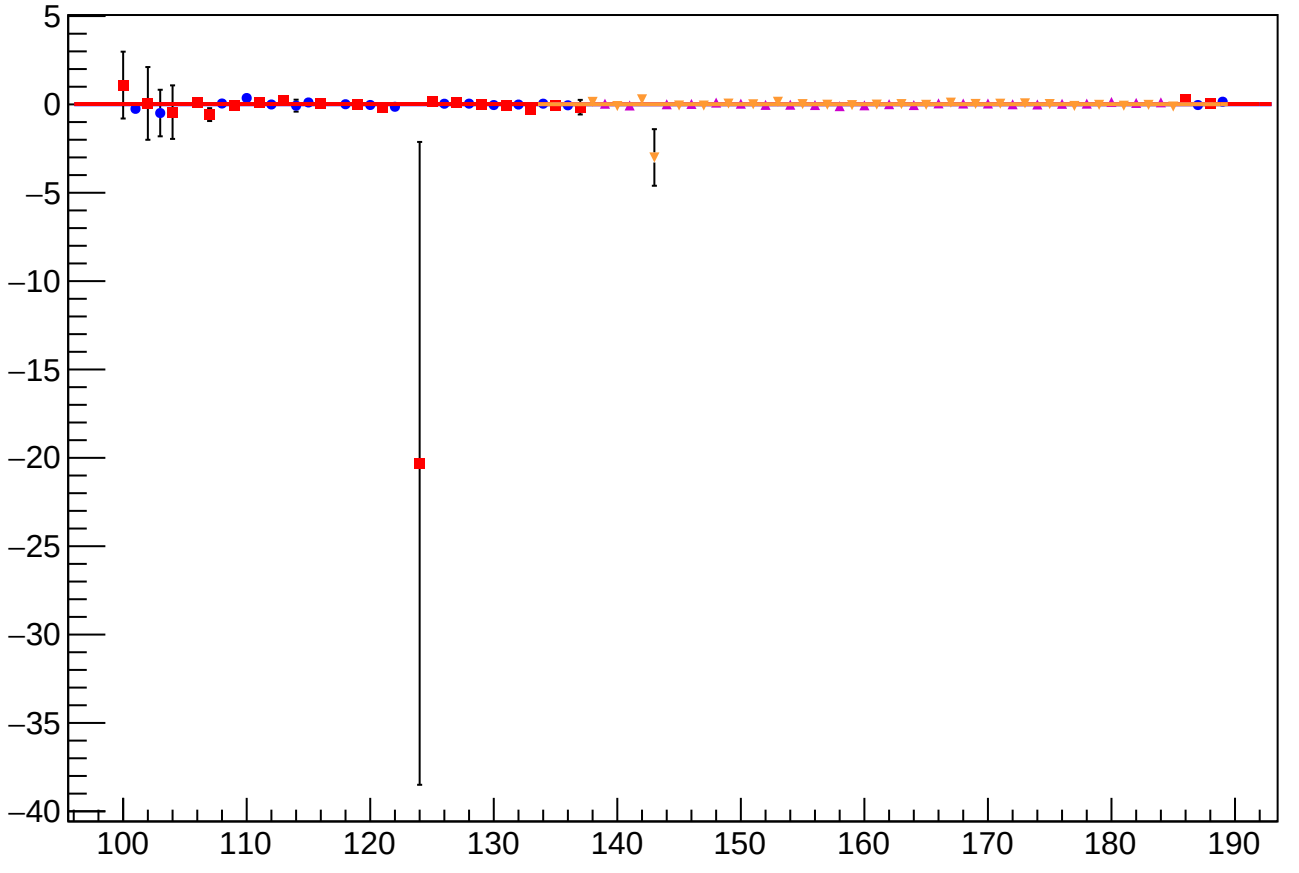
Right Out: 0.000+/-0.000 χ^2/NDF: 9092239.3/20

Left In: 0.001+/-0.000 χ^2/NDF:9695095.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 24586439.9/42

All: 0.000+/-0.000 χ^2/NDF: 46370394.1/86

- sign 0.000+/-0.000 χ^2/NDF: 21783305.2/43



Right In: 0.009+/-0.026 χ^2/NDF: 12.6/17

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.021+/-0.025 χ^2/NDF: 20.6/20

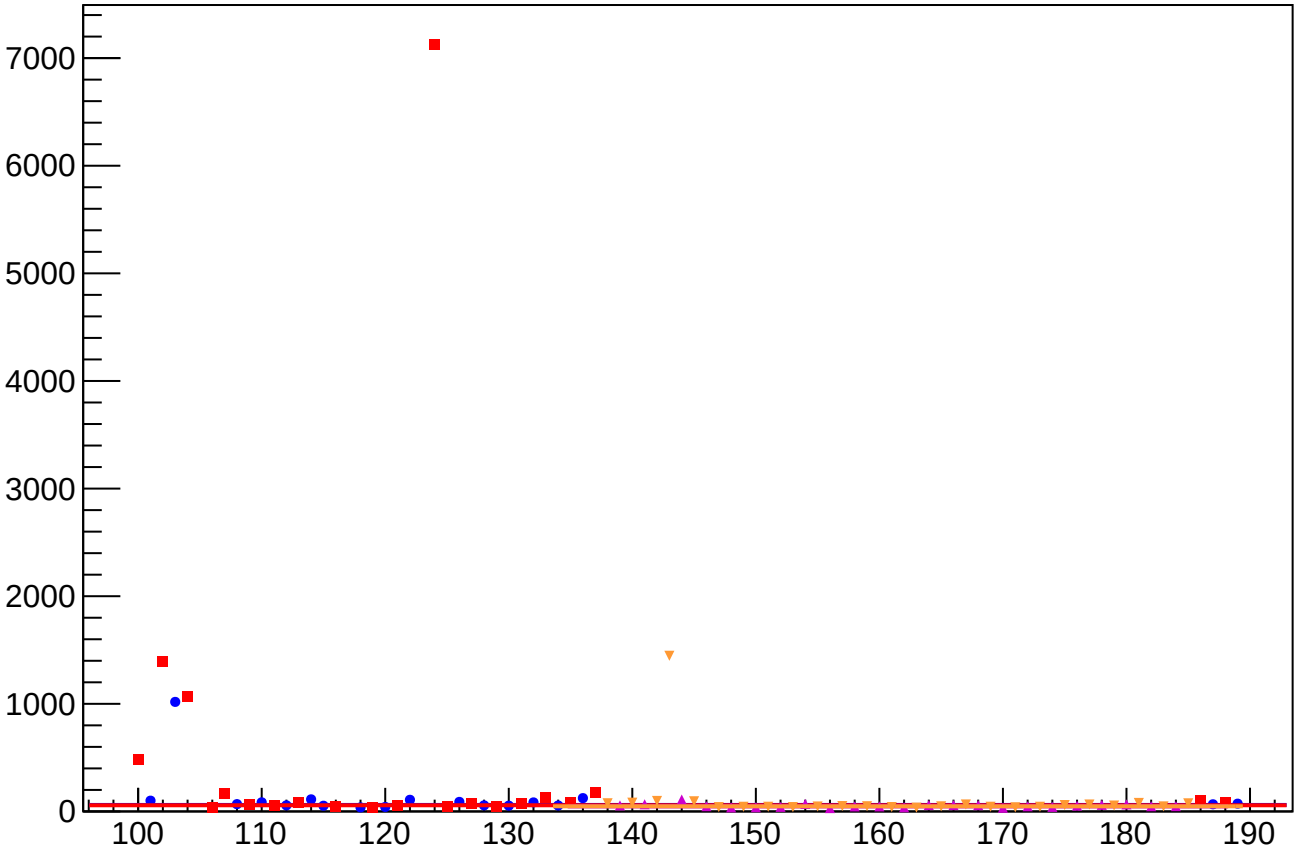
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.011+/-0.011 χ^2/NDF: 42.2/42

All: 0.015+/-0.008 χ^2/NDF: 83.4/86

- sign 0.019+/-0.011 χ^2/NDF: 40.9/43

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 60.454+/-0.018 χ^2/NDF: 2557798.3/17

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

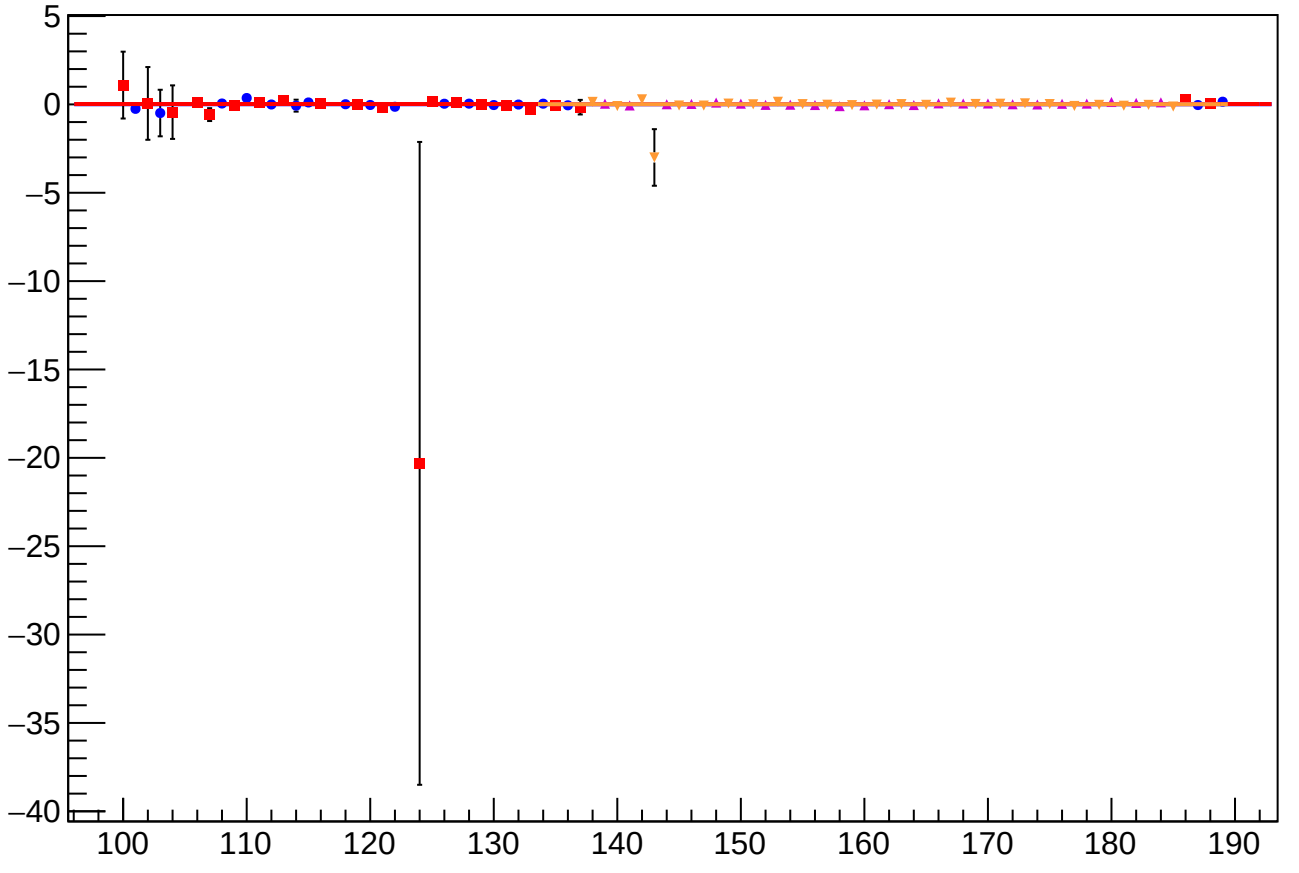
Right Out: 57.472+/-0.017 χ^2/NDF: 3887109.3/20

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

+ sign 50.255+/-0.008 χ^2/NDF: 6436080.1/42

All: 49.566+/-0.006 χ^2/NDF: 12589149.9/86

- sign 48.906+/-0.008 χ^2/NDF: 6138268.1/43



Right In: 0.009+/-0.026 χ^2/NDF: 12.6/17

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

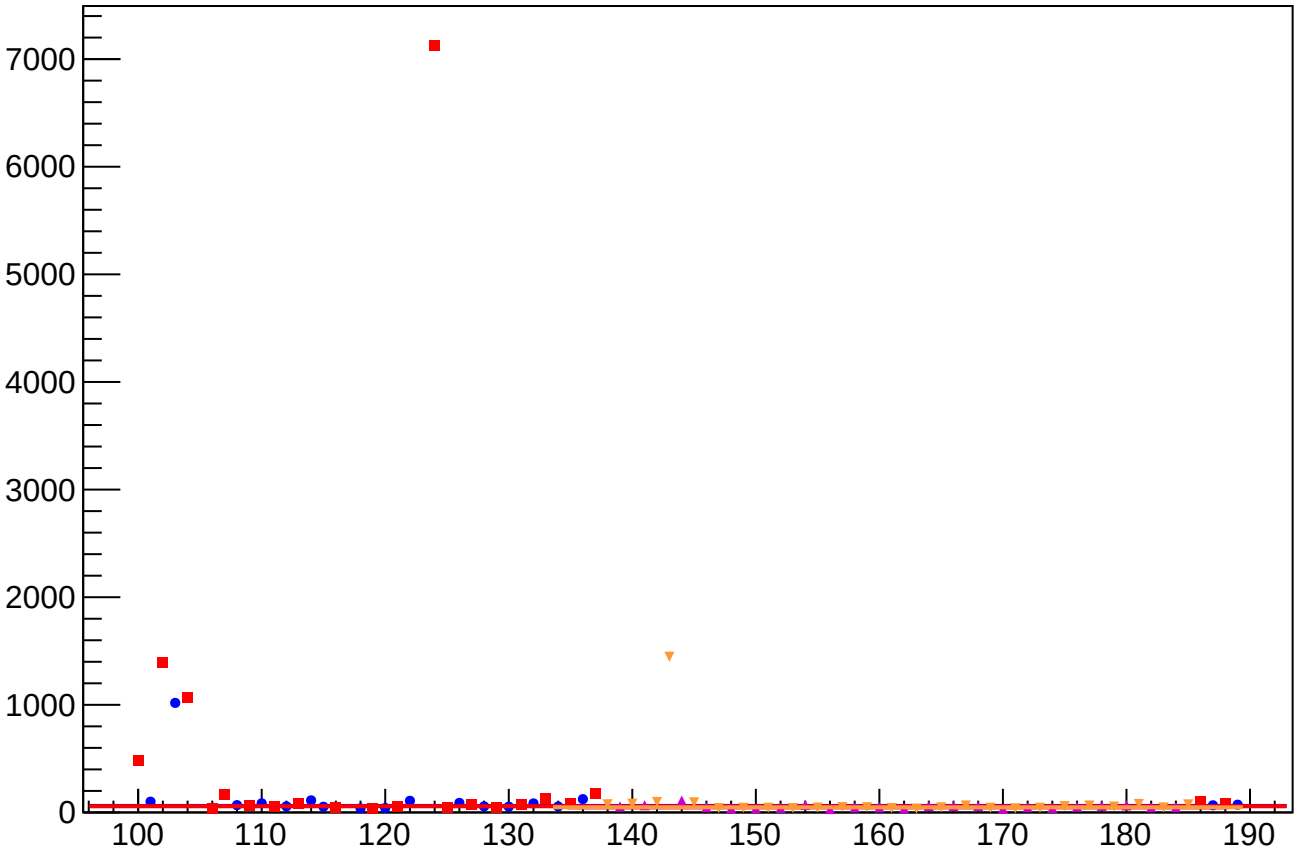
Right Out: 0.021+/-0.025 χ^2/NDF: 20.6/20

Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.011+/-0.011 χ^2/NDF: 42.2/42

All: 0.015+/-0.008 χ^2/NDF: 83.4/86

- sign 0.019+/-0.011 χ^2/NDF: 40.9/43



Right In: 60.454+/-0.018 χ^2/NDF: 2557798.3/17

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

Right Out: 57.472+/-0.017 χ^2/NDF: 3887109.3/20

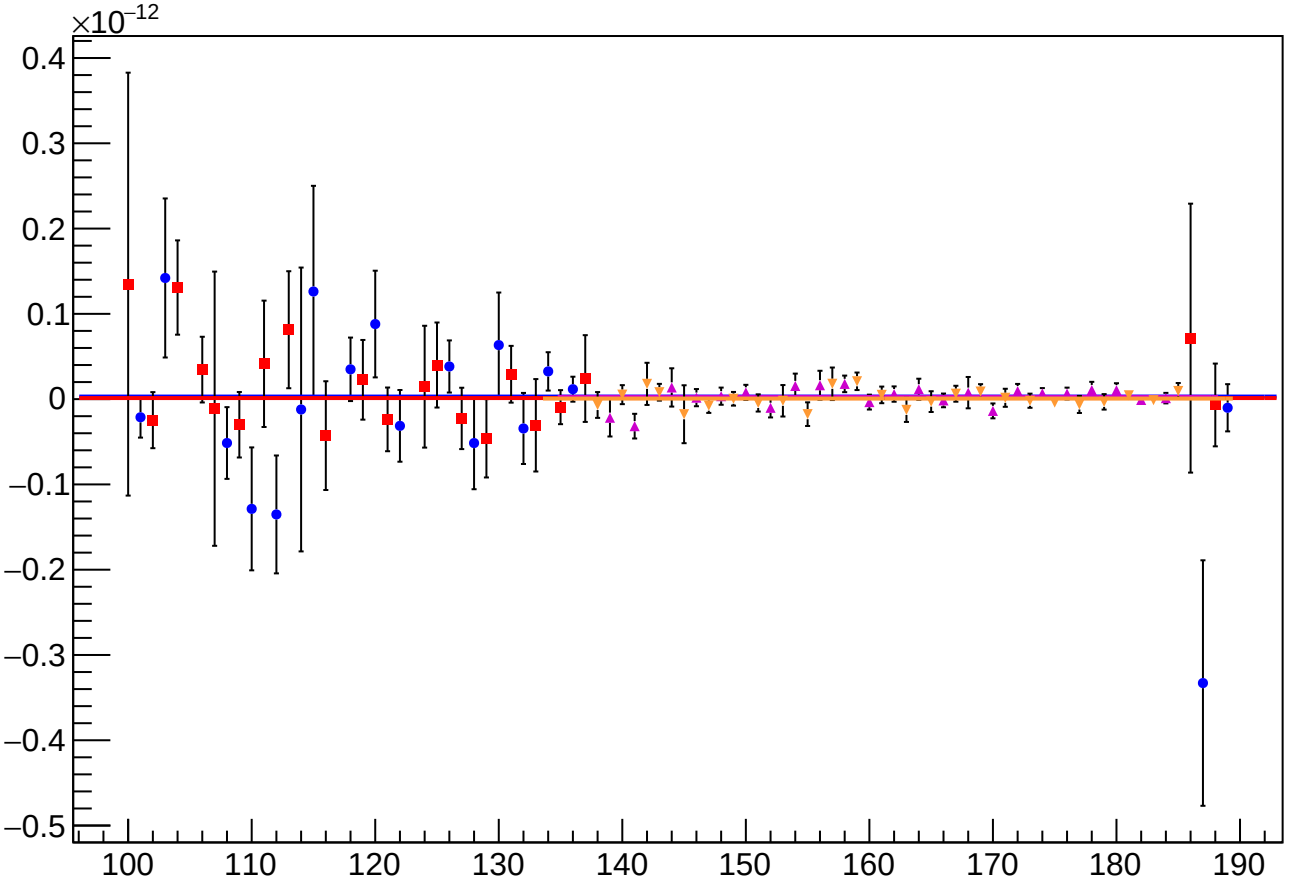
Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

+ sign 50.255+/-0.008 χ^2/NDF: 6436080.1/42

All: 49.566+/-0.006 χ^2/NDF: 12589149.9/86

- sign 48.906+/-0.008 χ^2/NDF: 6138268.1/43

asym_at1_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 28.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/24

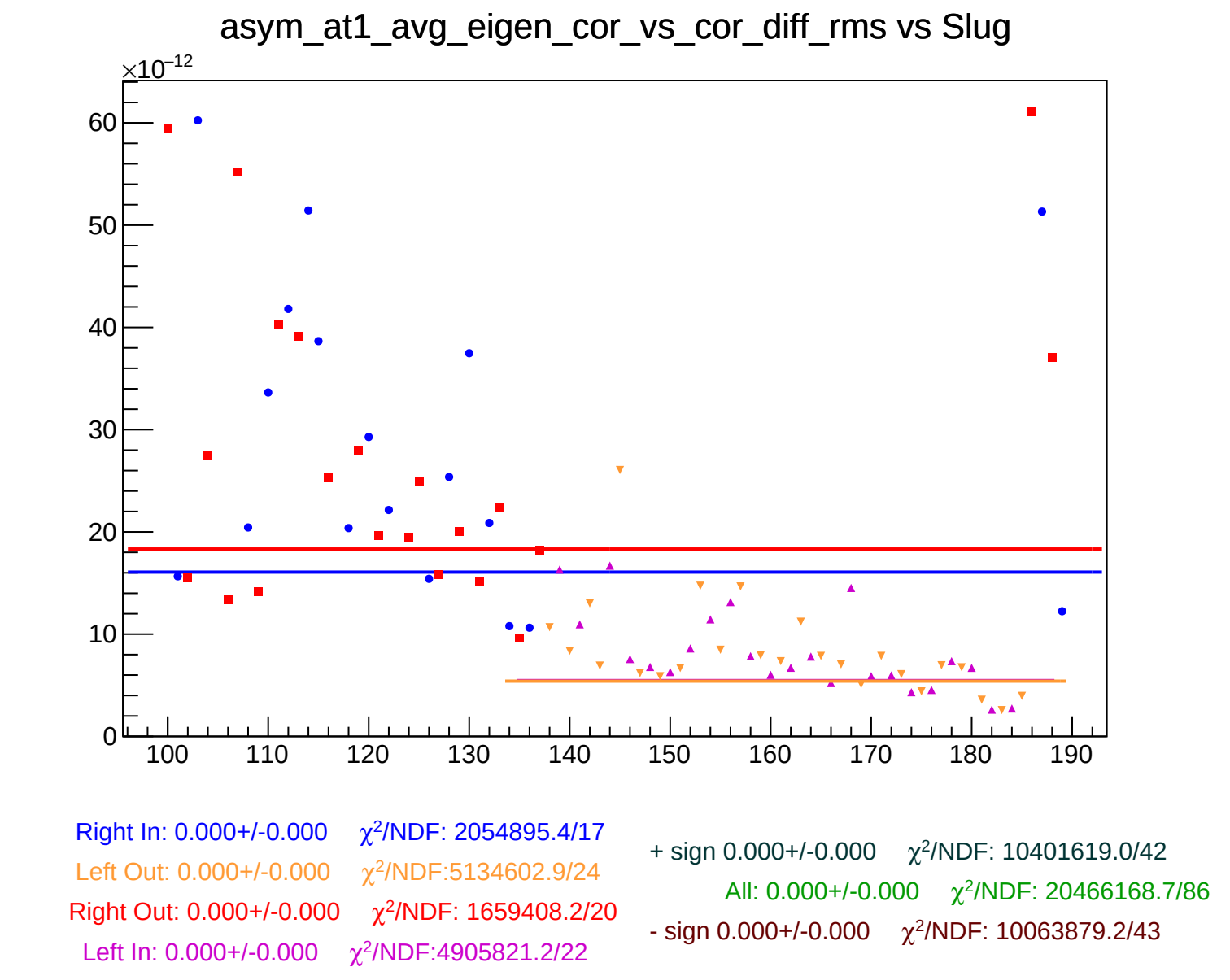
Right Out: 0.000+/-0.000 χ^2/NDF: 14.5/20

Left In: 0.000+/-0.000 χ^2/NDF:21.8/22

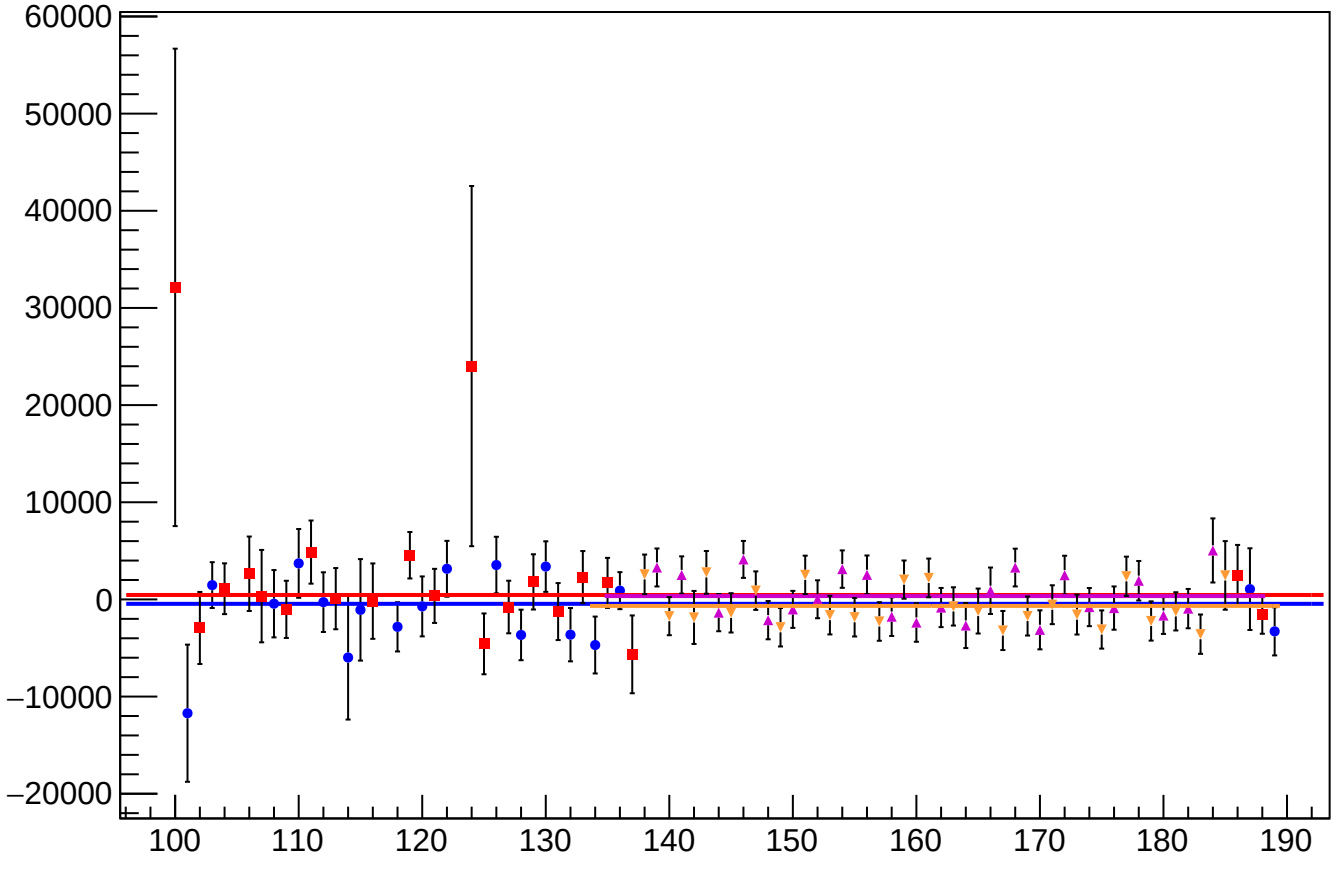
+ sign 0.000+/-0.000 χ^2/NDF: 43.6/42

All: 0.000+/-0.000 χ^2/NDF: 80.4/86

- sign 0.000+/-0.000 χ^2/NDF: 36.3/43


asym_at1_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2054895.4/17
Left Out: 0.000+/-0.000 χ²/NDF:5134602.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 1659408.2/20
Left In: 0.000+/-0.000 χ²/NDF:4905821.2/22
+ sign 0.000+/-0.000 χ²/NDF: 10401619.0/42
All: 0.000+/-0.000 χ²/NDF: 20466168.7/86
- sign 0.000+/-0.000 χ²/NDF: 10063879.2/43

reg_asym_at1_dd_mean vs Slug



Right In: -454.472+/-695.037 χ^2/NDF: 18.8/17

Left Out: -670.041+/-412.206 χ^2/NDF:24.7/24

Right Out: 456.784+/-671.662 χ^2/NDF: 17.5/20

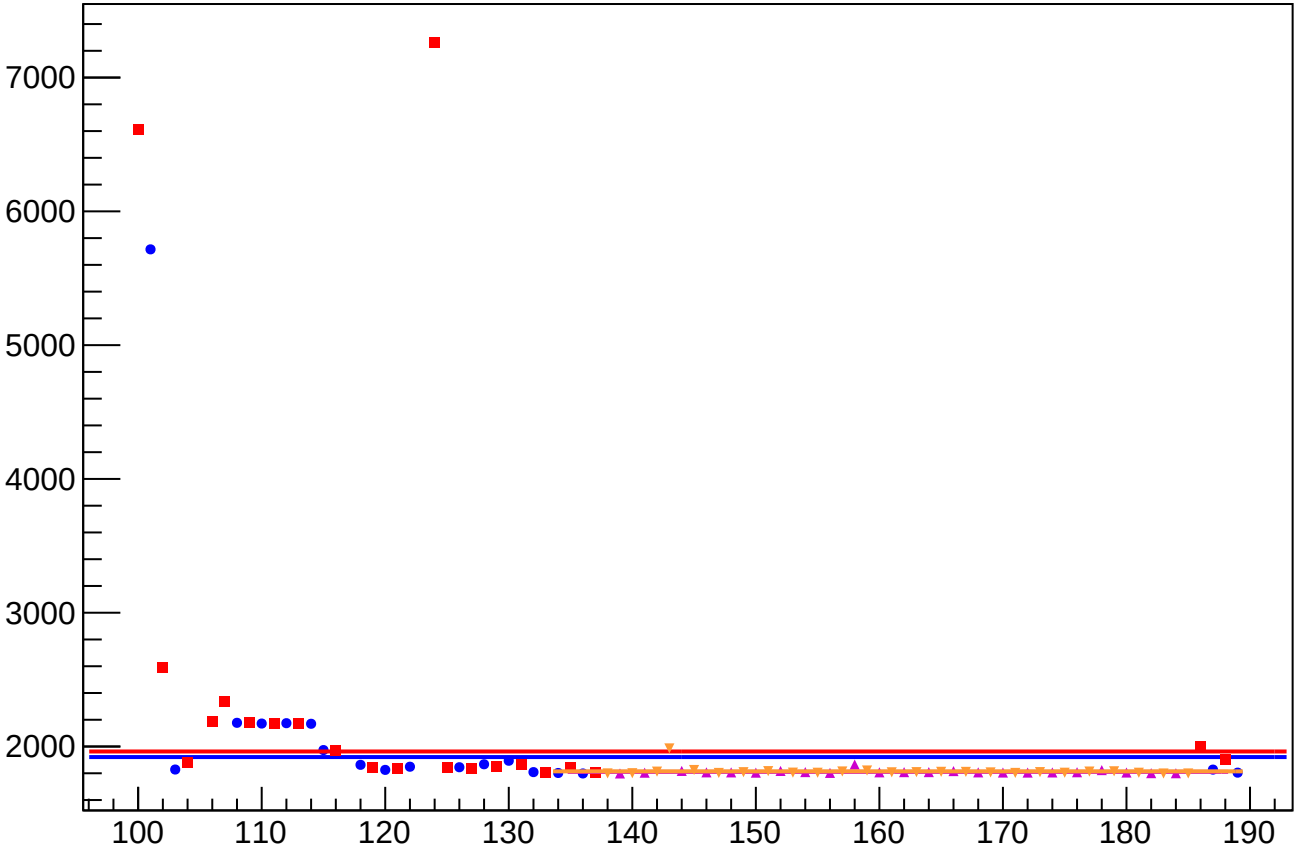
Left In: 342.945+/-422.712 χ^2/NDF:30.1/22

+ sign -613.948+/-354.543 χ^2/NDF: 43.6/42

All: -123.817+/-251.828 χ^2/NDF: 95.0/86

- sign 375.242+/-357.757 χ^2/NDF: 47.6/43

reg_asym_at1_dd_rms vs Slug



Right In: 1921.095+/-0.491 χ^2/NDF: 645971.6/17

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1962.907+/-0.475 χ^2/NDF: 380710.6/20

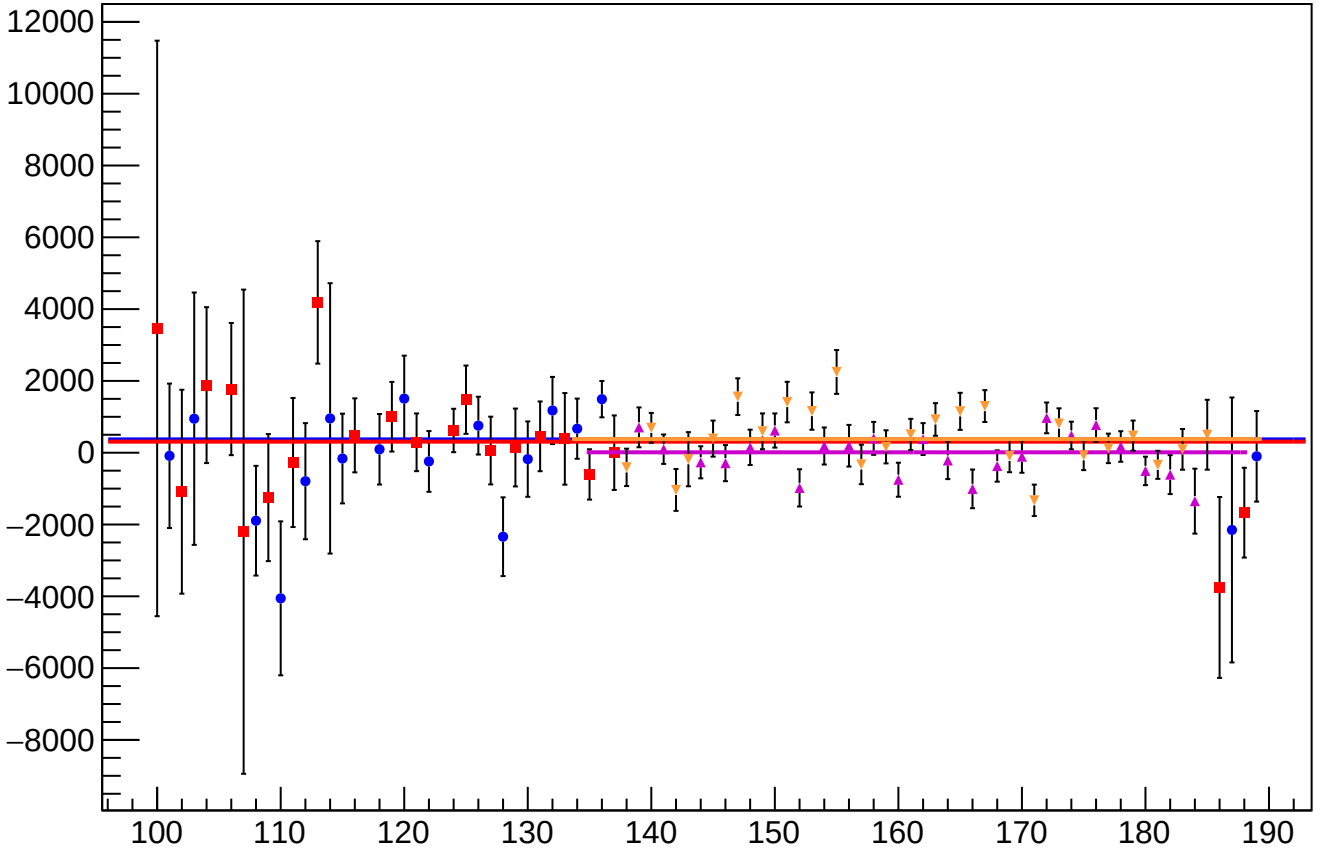
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1842.189+/-0.251 χ^2/NDF: 693918.0/42

All: 1847.897+/-0.178 χ^2/NDF: 1151444.7/86

- sign 1853.709+/-0.253 χ^2/NDF: 456480.4/43

asym_at1_dd_reg_correction_mean vs Slug



Right In: 370.450+/-252.714 χ^2/NDF: 21.8/17

Left Out: 379.353+/-97.013 χ^2/NDF:62.3/24

Right Out: 308.336+/-246.622 χ^2/NDF: 17.1/20

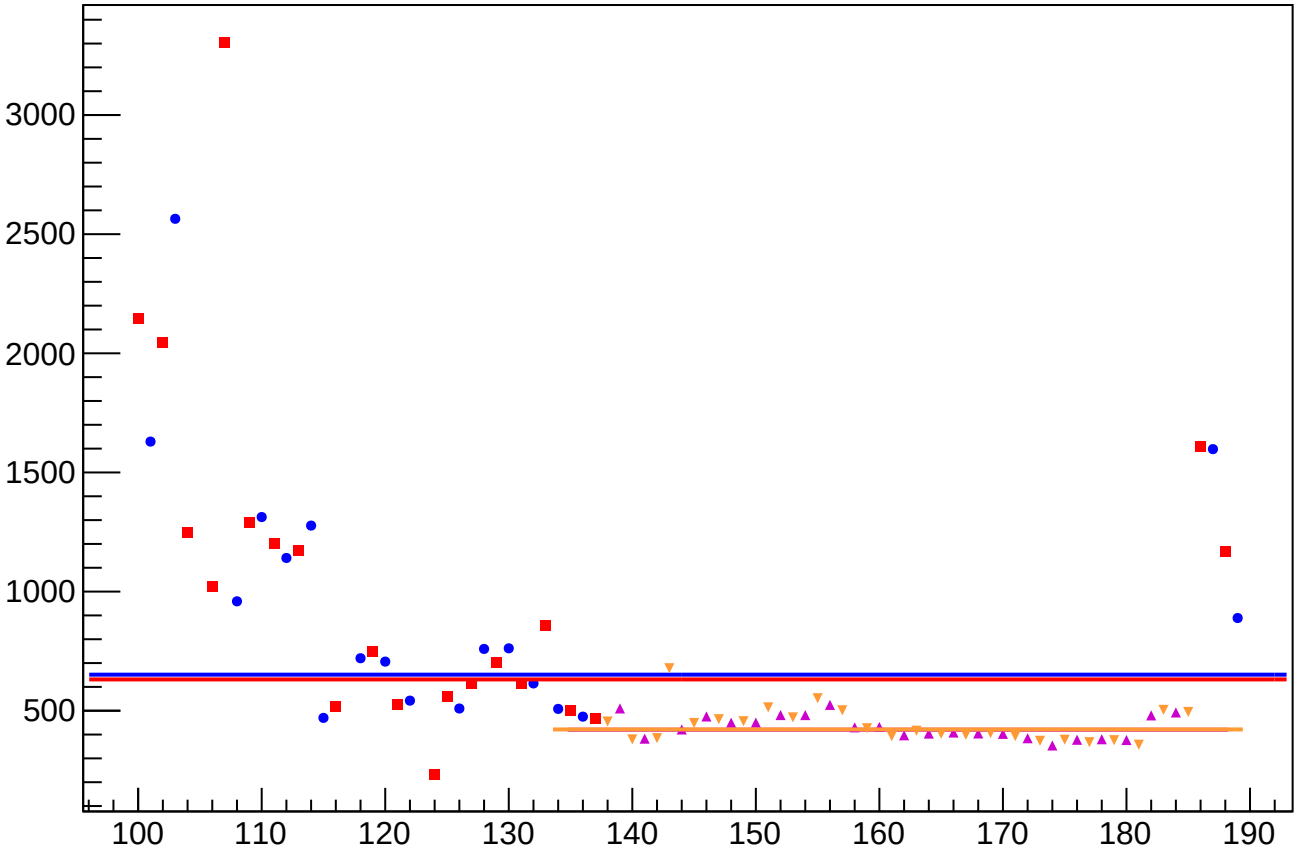
Left In: 11.527+/-98.976 χ^2/NDF:31.1/22

+ sign 378.209+/-90.569 χ^2/NDF: 84.1/42

All: 217.750+/-64.492 χ^2/NDF: 139.9/86

- sign 52.701+/-91.855 χ^2/NDF: 49.4/43

asym_at1_dd_reg_correction_rms vs Slug



Right In: 651.334+/-0.179 χ^2/NDF: 2275911.9/17

Left Out: 421.417+/-0.069 χ^2/NDF:743048.1/24

Right Out: 631.351+/-0.174 χ^2/NDF: 3643629.6/20

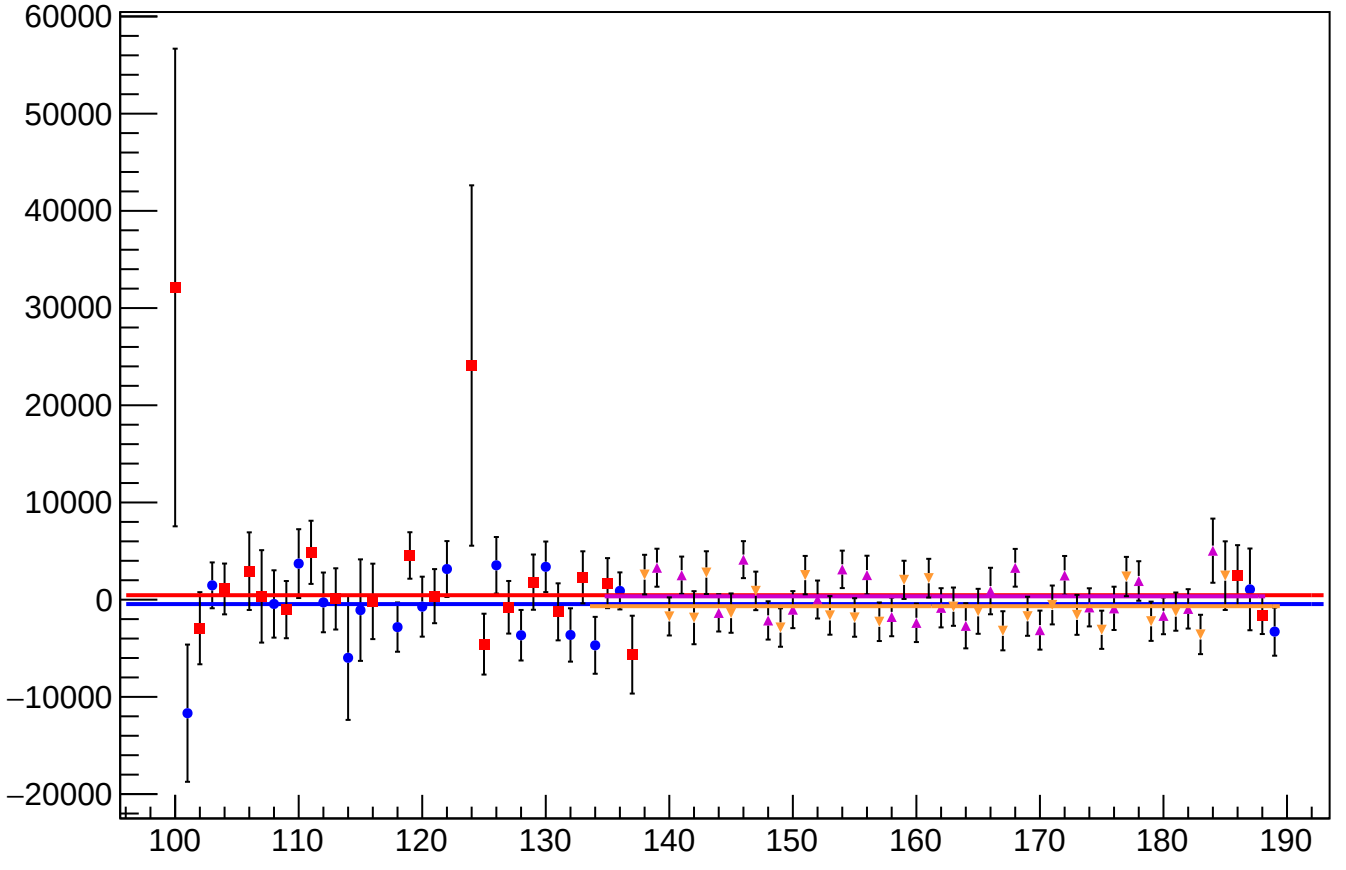
Left In: 420.222+/-0.070 χ^2/NDF:413129.7/22

+ sign 450.947+/-0.064 χ^2/NDF: 4461784.9/42

All: 450.239+/-0.046 χ^2/NDF: 9781213.3/86

- sign 449.510+/-0.065 χ^2/NDF: 5319180.2/43

cor_asym_at1_dd_mean vs Slug



Right In: -453.750+/-695.037 χ^2/NDF: 18.8/17

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: 460.261+/-672.478 χ^2/NDF: 17.6/20

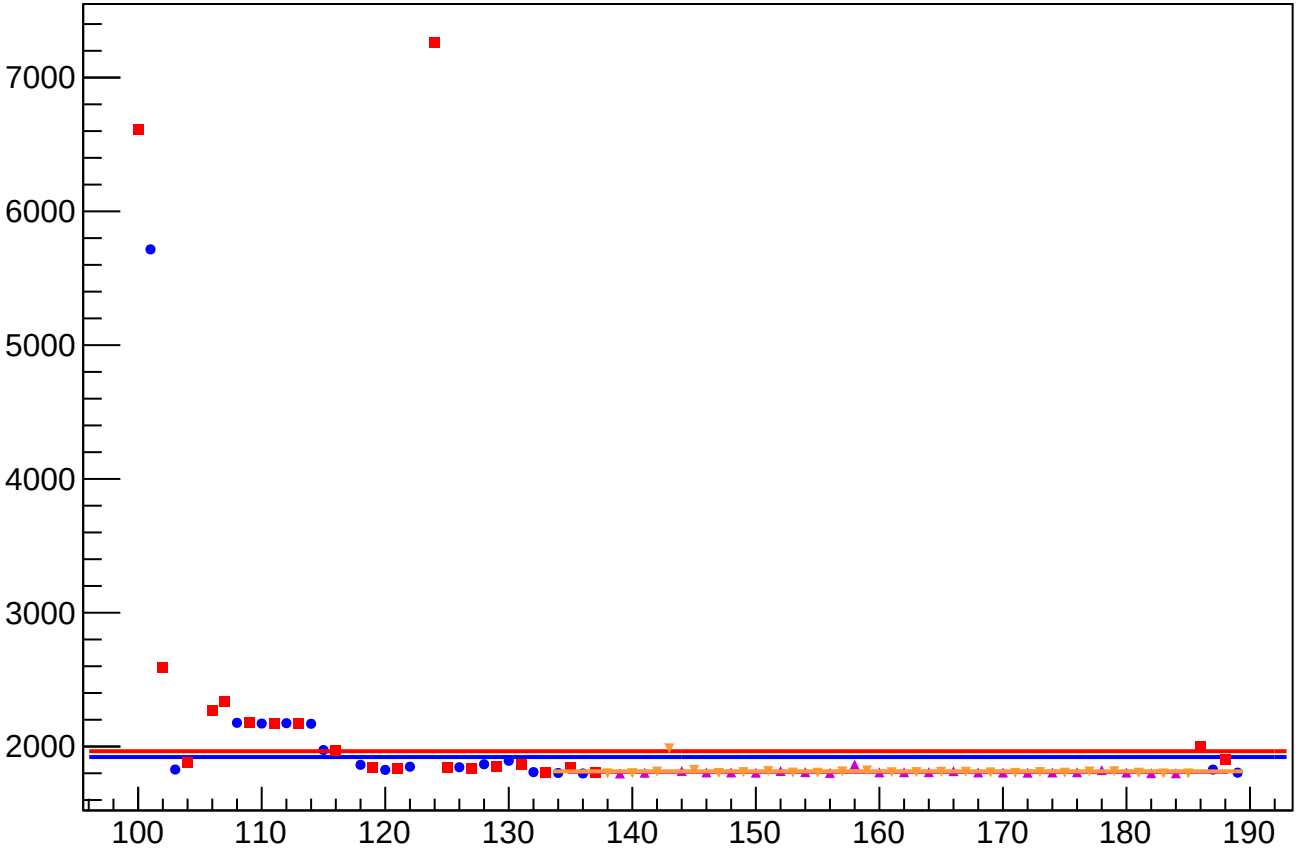
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

+ sign -613.753+/-354.543 χ^2/NDF: 43.6/42

All: -123.413+/-251.871 χ^2/NDF: 95.1/86

- sign 376.203+/-357.881 χ^2/NDF: 47.7/43

cor_asym_at1_dd_rms vs Slug



Right In: 1921.095+/-0.491 χ^2/NDF: 645971.5/17

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1964.686+/-0.476 χ^2/NDF: 385611.0/20

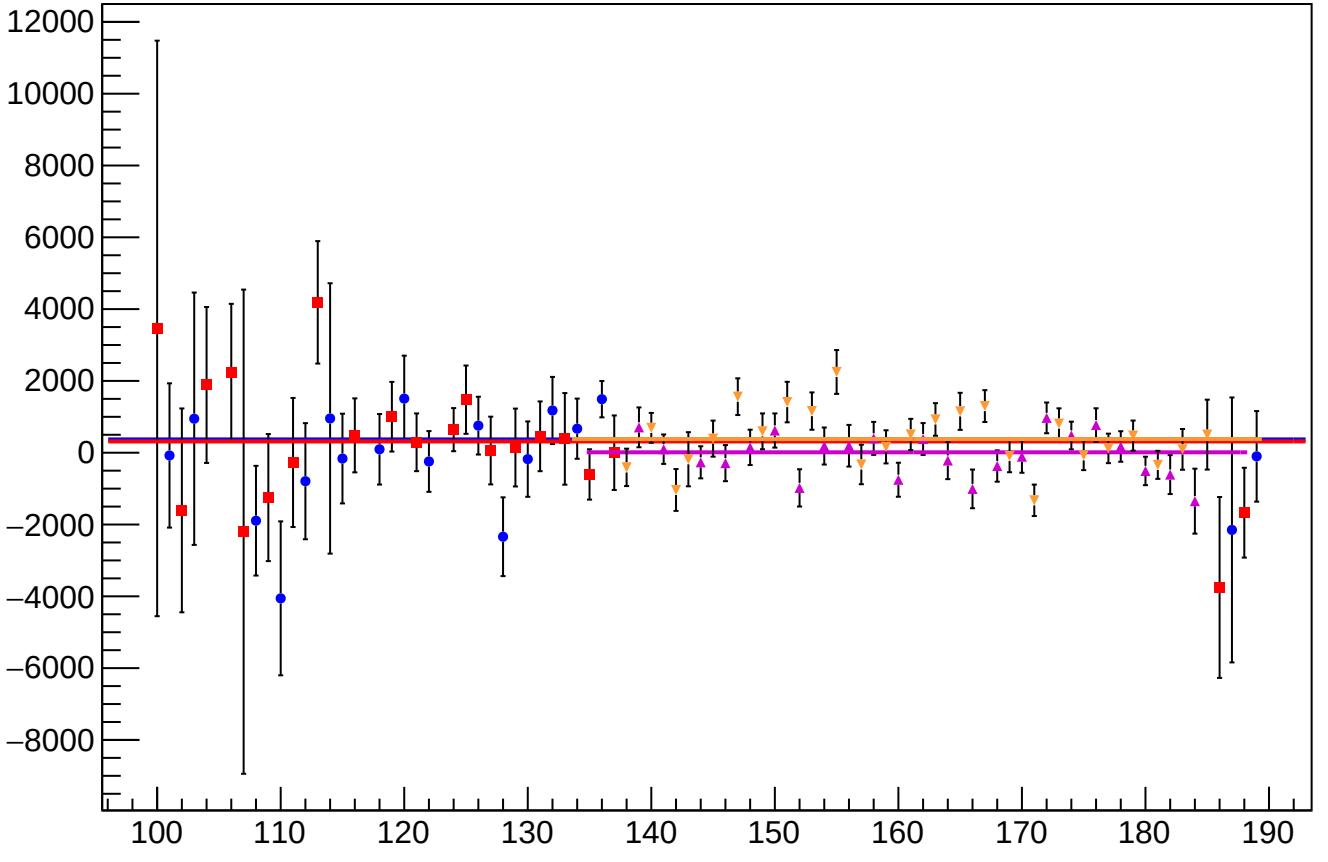
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1842.189+/-0.251 χ^2/NDF: 693917.8/42

All: 1848.107+/-0.178 χ^2/NDF: 1158025.2/86

- sign 1854.138+/-0.253 χ^2/NDF: 462982.1/43

asym_at1_dd_cor_correction_mean vs Slug



Right In: 370.505+/-252.704 χ^2/NDF: 21.8/17

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: 314.775+/-246.482 χ^2/NDF: 17.7/20

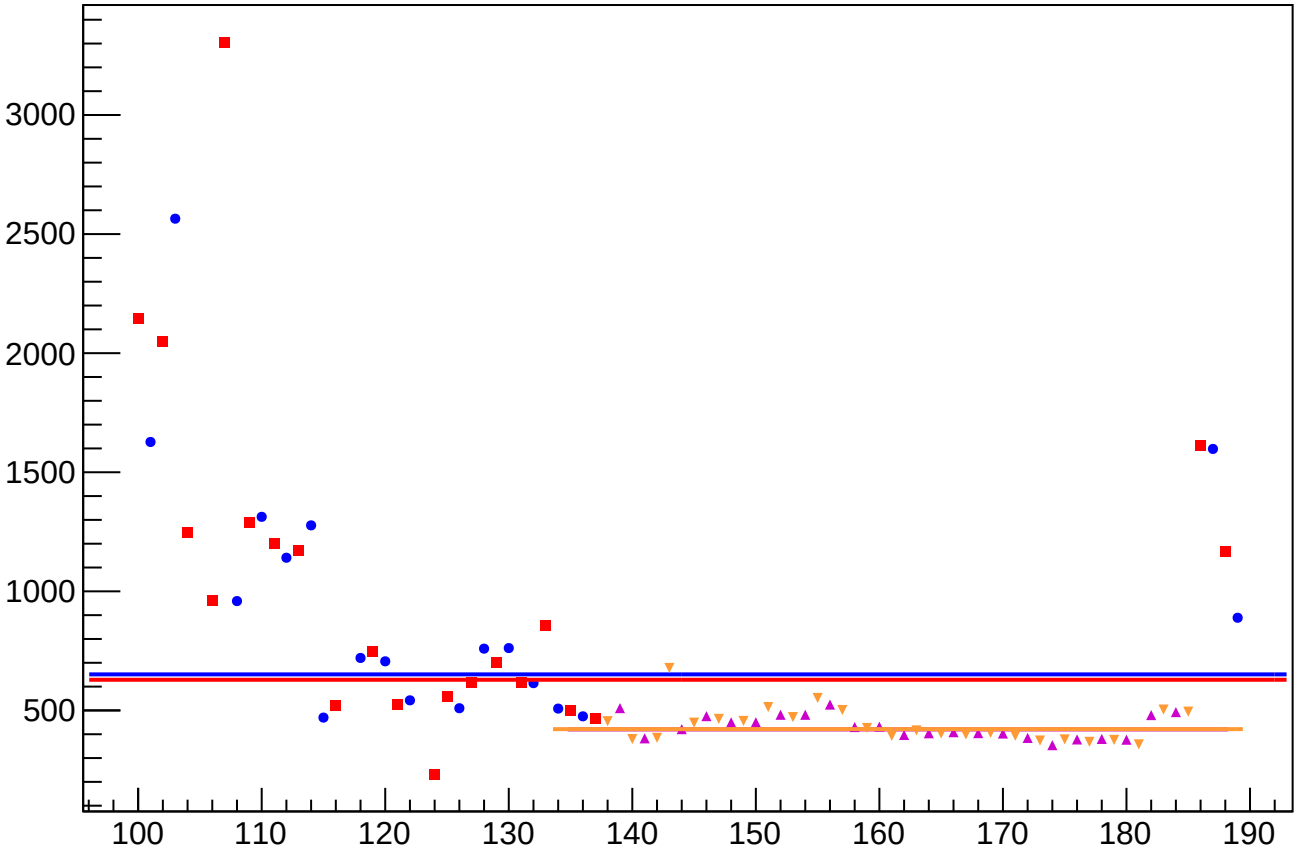
Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

+ sign 378.208+/-90.569 χ^2/NDF: 84.1/42

All: 218.200+/-64.489 χ^2/NDF: 140.5/86

- sign 53.645+/-91.847 χ^2/NDF: 50.1/43

asym_at1_dd_cor_correction_rms vs Slug



Right In: 651.331+/-0.179 χ^2/NDF: 2275056.5/17

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 628.680+/-0.174 χ^2/NDF: 3635507.9/20

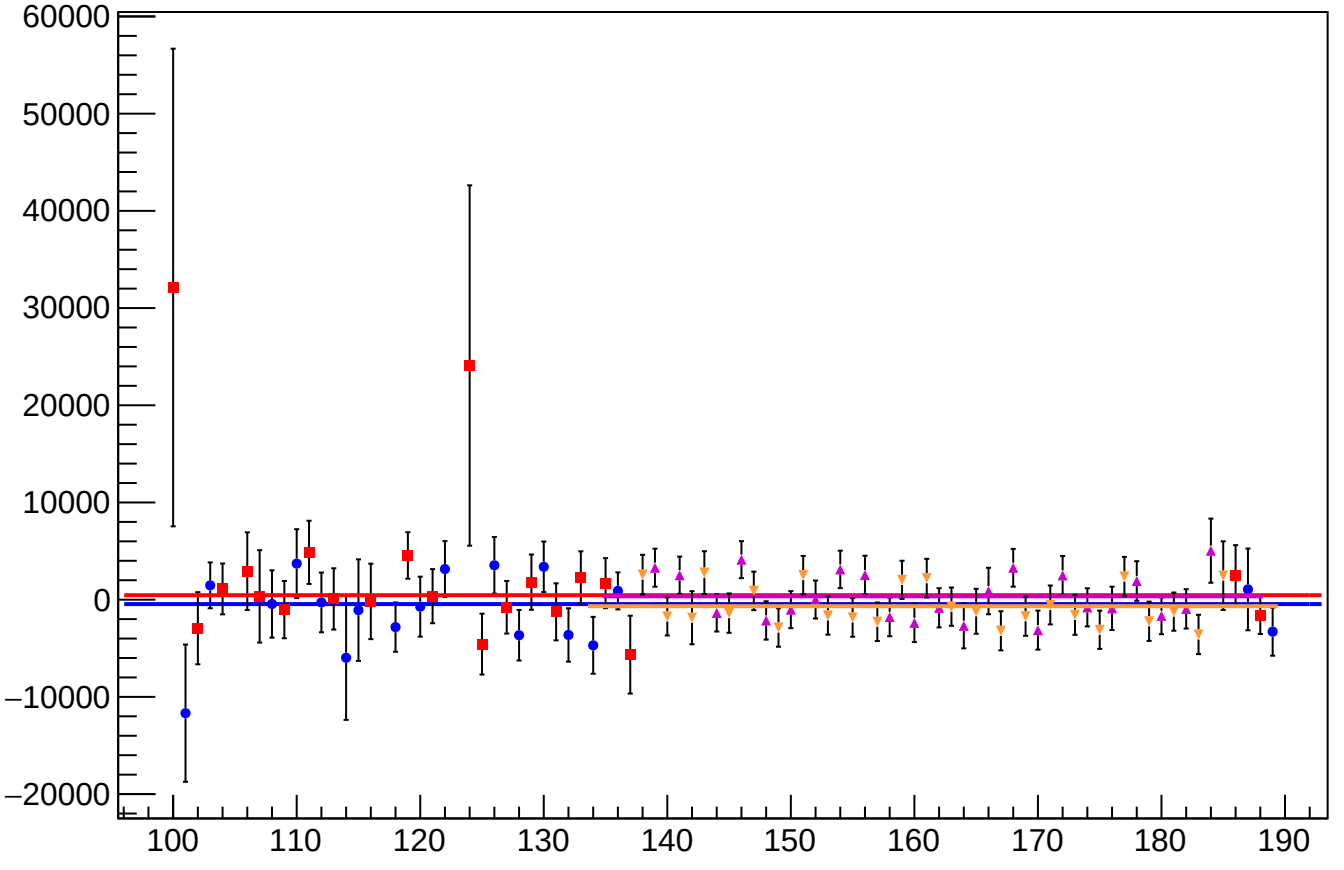
Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 450.952+/-0.064 χ^2/NDF: 4460891.3/42

All: 450.071+/-0.046 χ^2/NDF: 9741890.0/86

- sign 449.164+/-0.065 χ^2/NDF: 5280614.5/43

eigen_cor_asym_at1_dd_mean vs Slug



Right In: -453.750+/-695.037 χ^2/NDF: 18.8/17

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: 460.261+/-672.478 χ^2/NDF: 17.6/20

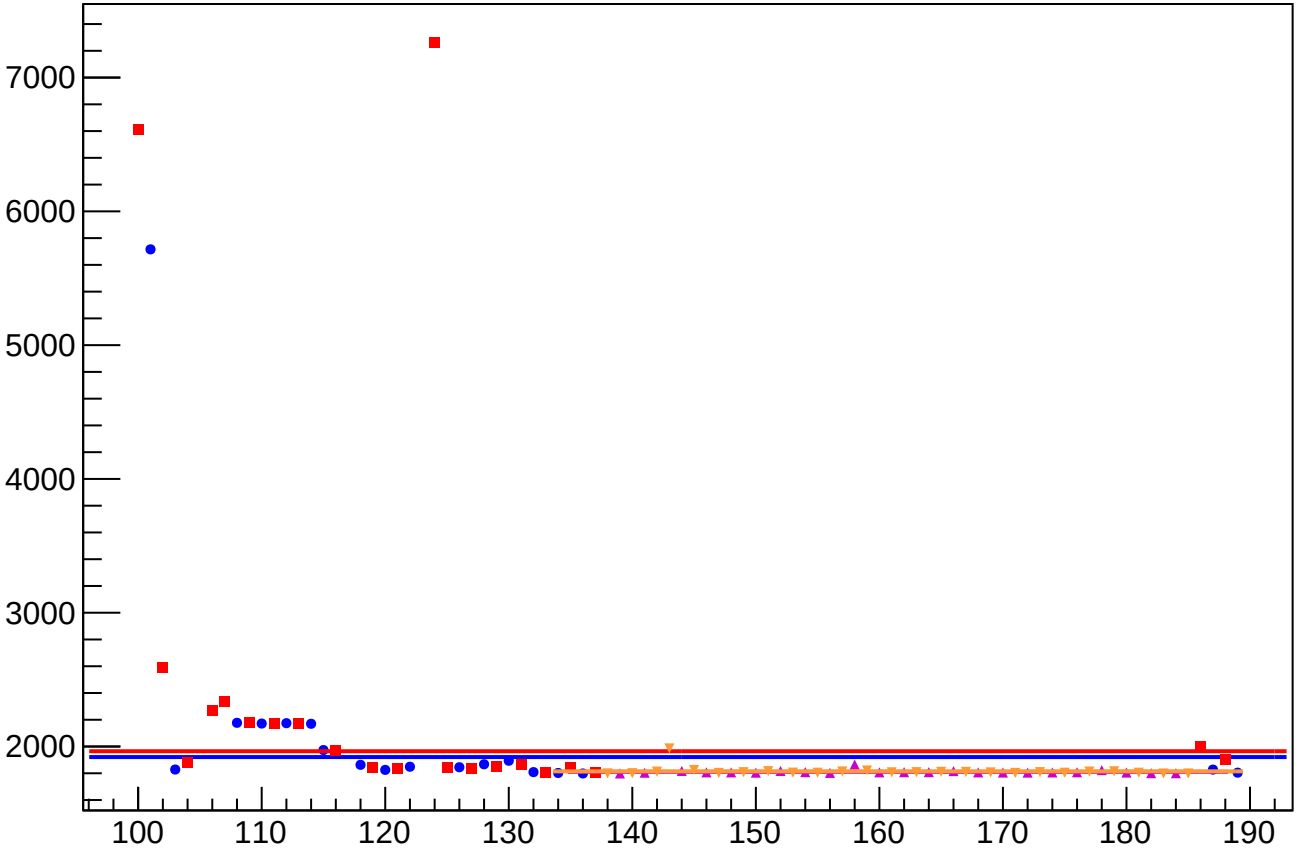
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

+ sign -613.753+/-354.543 χ^2/NDF: 43.6/42

All: -123.413+/-251.871 χ^2/NDF: 95.1/86

- sign 376.203+/-357.881 χ^2/NDF: 47.7/43

eigen_cor_asym_at1_dd_rms vs Slug



Right In: 1921.095+/-0.491 χ^2/NDF: 645971.5/17

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1964.686+/-0.476 χ^2/NDF: 385611.0/20

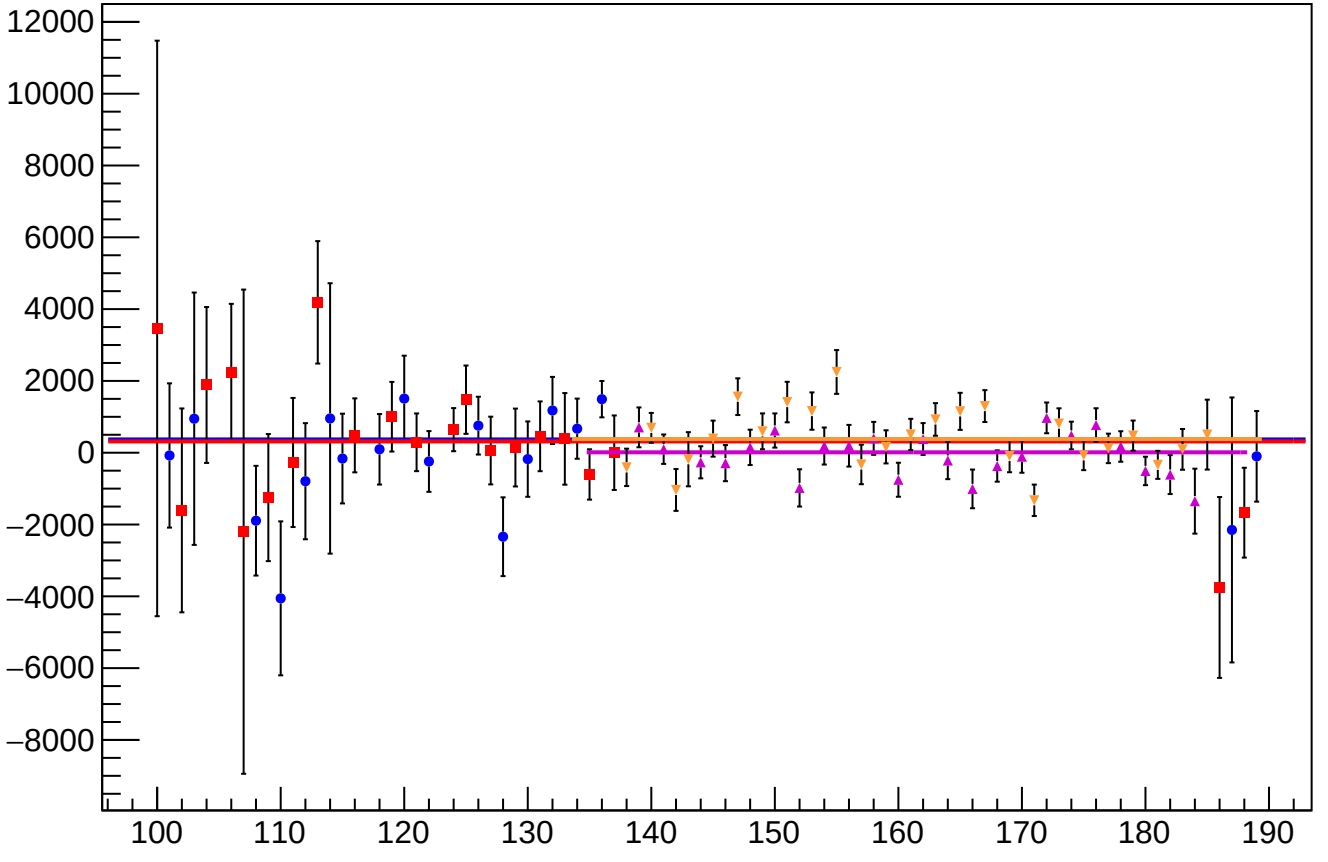
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1842.189+/-0.251 χ^2/NDF: 693917.8/42

All: 1848.107+/-0.178 χ^2/NDF: 1158025.2/86

- sign 1854.138+/-0.253 χ^2/NDF: 462982.1/43

asym_at1_dd_eigen_cor_correction_mean vs Slug



Right In: 370.505+/-252.704 χ^2/NDF: 21.8/17

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: 314.775+/-246.482 χ^2/NDF: 17.7/20

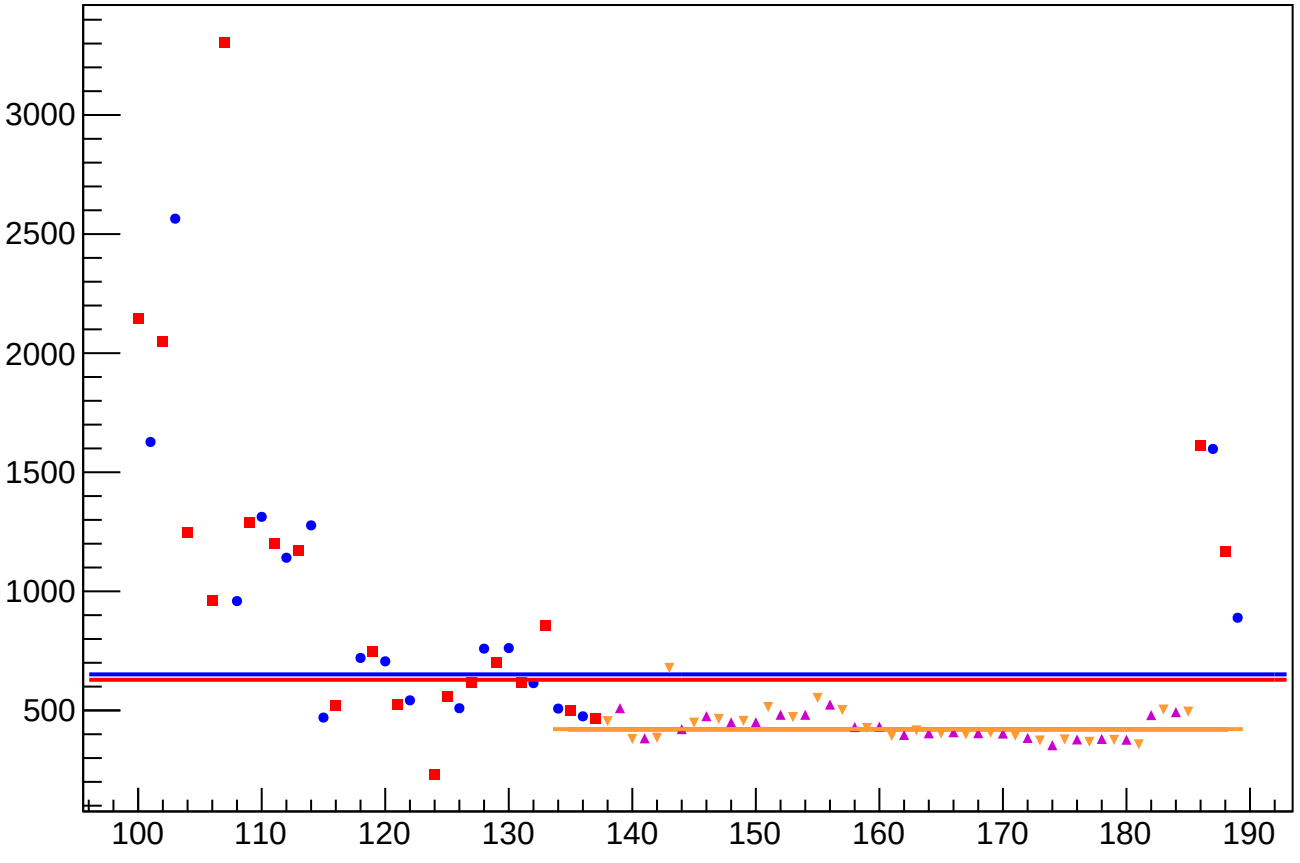
Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

+ sign 378.208+/-90.569 χ^2/NDF: 84.1/42

All: 218.200+/-64.489 χ^2/NDF: 140.5/86

- sign 53.645+/-91.847 χ^2/NDF: 50.1/43

asym_at1_dd_eigen_cor_correction_rms vs Slug



Right In: 651.331+/-0.179 χ^2/NDF: 2275056.5/17

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 628.680+/-0.174 χ^2/NDF: 3635507.9/20

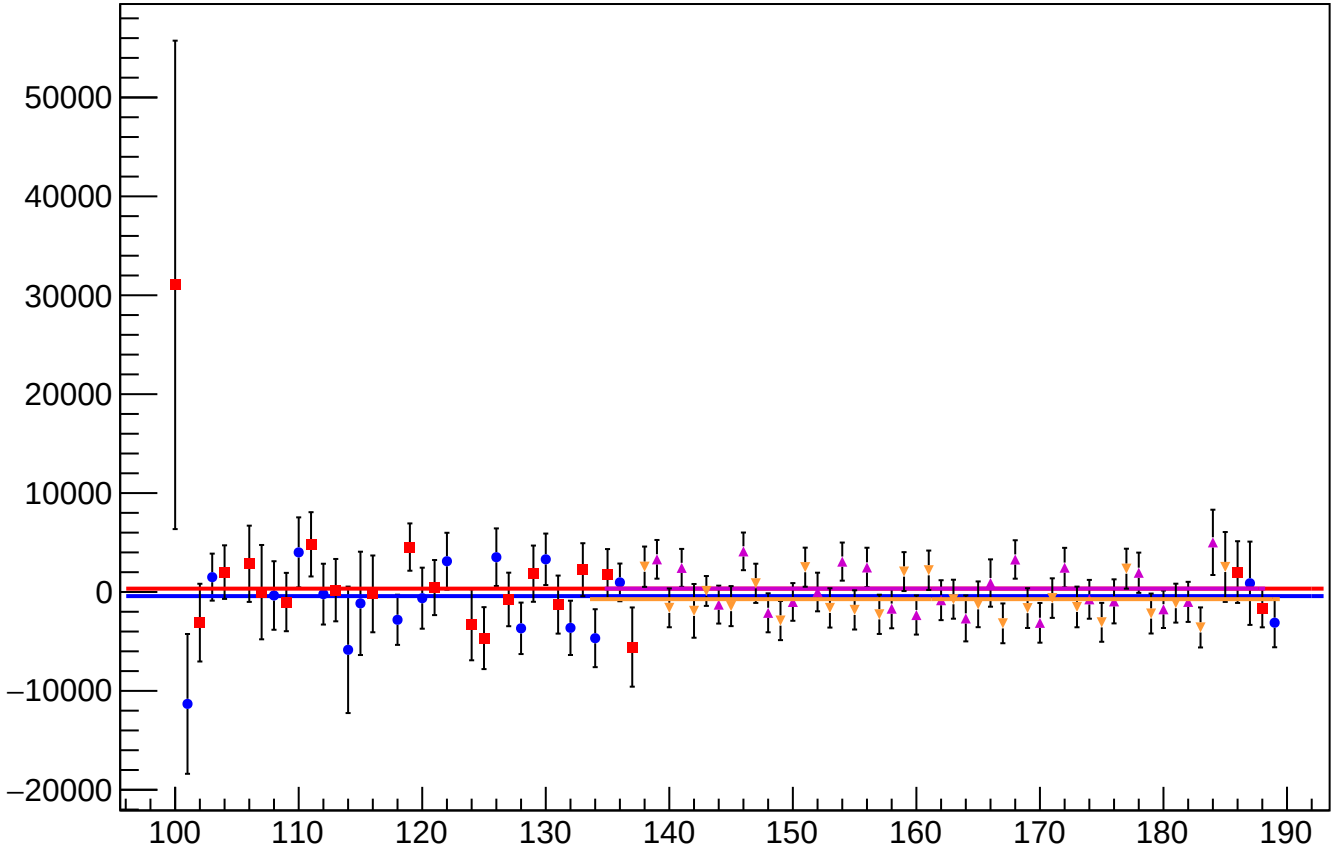
Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 450.952+/-0.064 χ^2/NDF: 4460891.3/42

All: 450.071+/-0.046 χ^2/NDF: 9741890.0/86

- sign 449.164+/-0.065 χ^2/NDF: 5280614.5/43

dit_asym_at1_dd_mean vs Slug



Right In: -417.415+/-695.814 χ^2/NDF: 18.5/17

Left Out: -724.527+/-404.417 χ^2/NDF:22.2/24

Right Out: 337.604+/-663.785 χ^2/NDF: 17.0/20

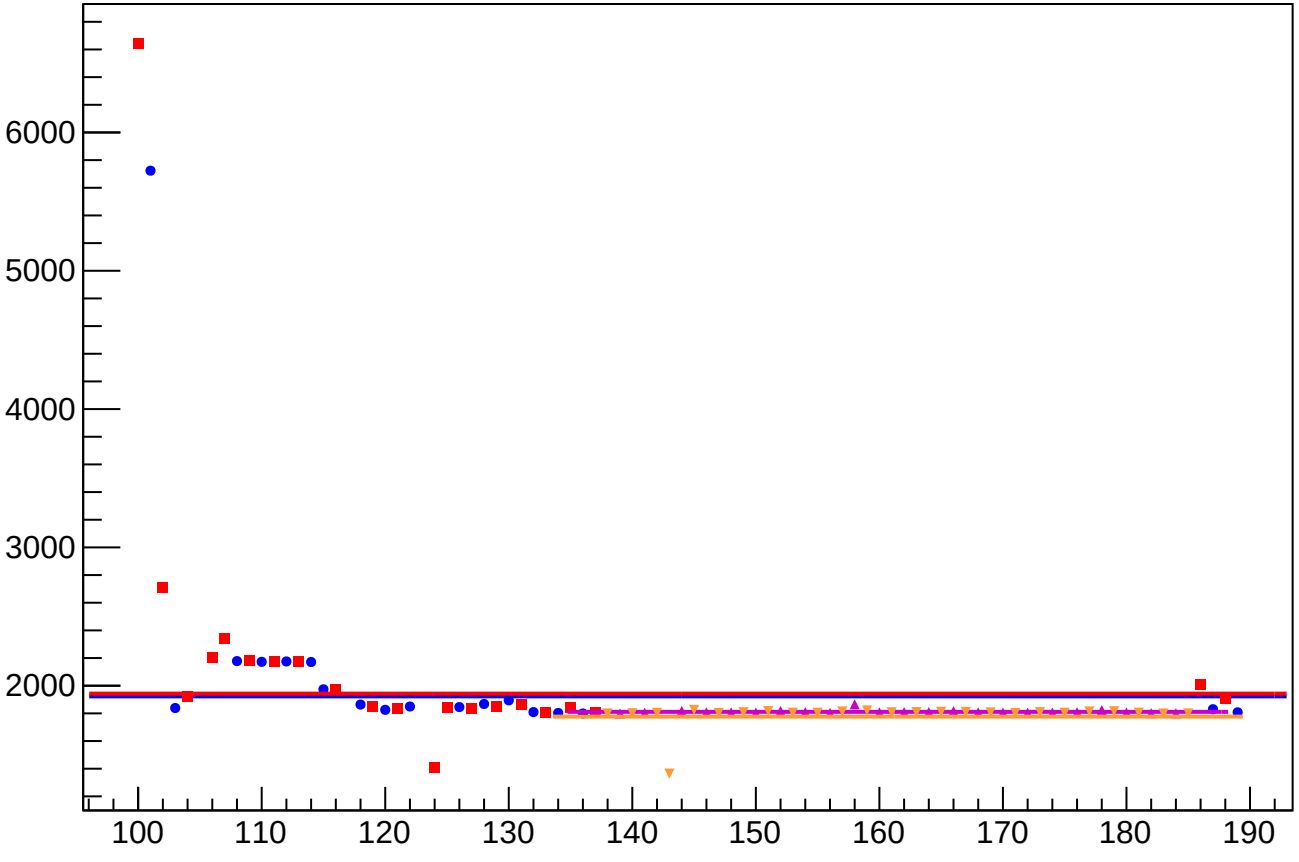
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

+ sign -646.979+/-349.649 χ^2/NDF: 40.8/42

All: -163.169+/-249.674 χ^2/NDF: 91.3/86

- sign 340.178+/-356.640 χ^2/NDF: 46.6/43

dit_asym_at1_dd_rms vs Slug



Right In: 1922.994+/-0.492 χ^2/NDF: 645723.5/17

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1942.781+/-0.469 χ^2/NDF: 277836.4/20

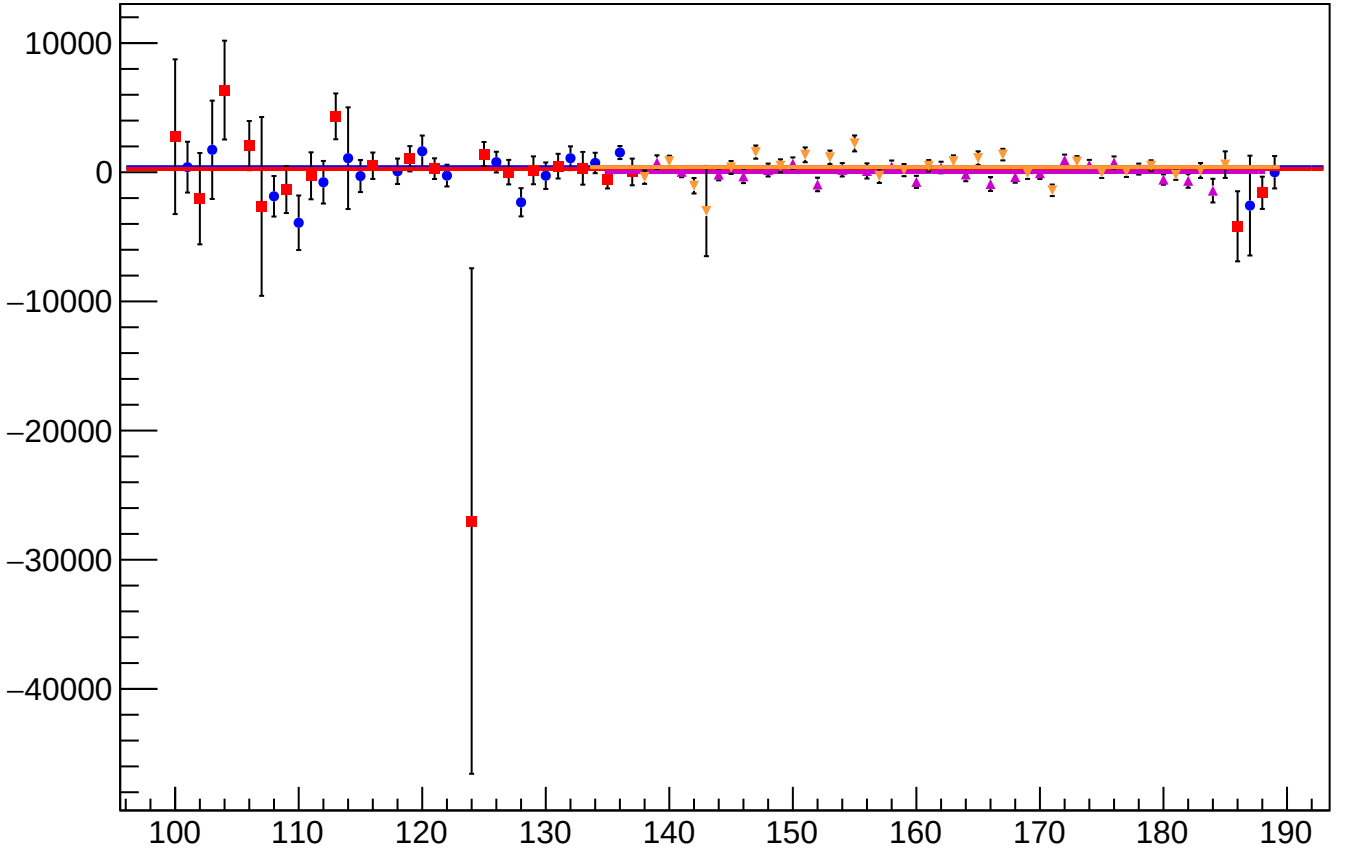
Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

+ sign 1813.656+/-0.247 χ^2/NDF: 873083.9/42

All: 1831.028+/-0.177 χ^2/NDF: 1218960.0/86

- sign 1849.101+/-0.252 χ^2/NDF: 335803.3/43

asym_at1_dd_dit_correction_mean vs Slug



Right In: 391.674+/-250.999 χ^2/NDF: 22.2/17

Left Out: 398.269+/-99.165 χ^2/NDF:60.5/24

Right Out: 253.995+/-271.435 χ^2/NDF: 21.0/20

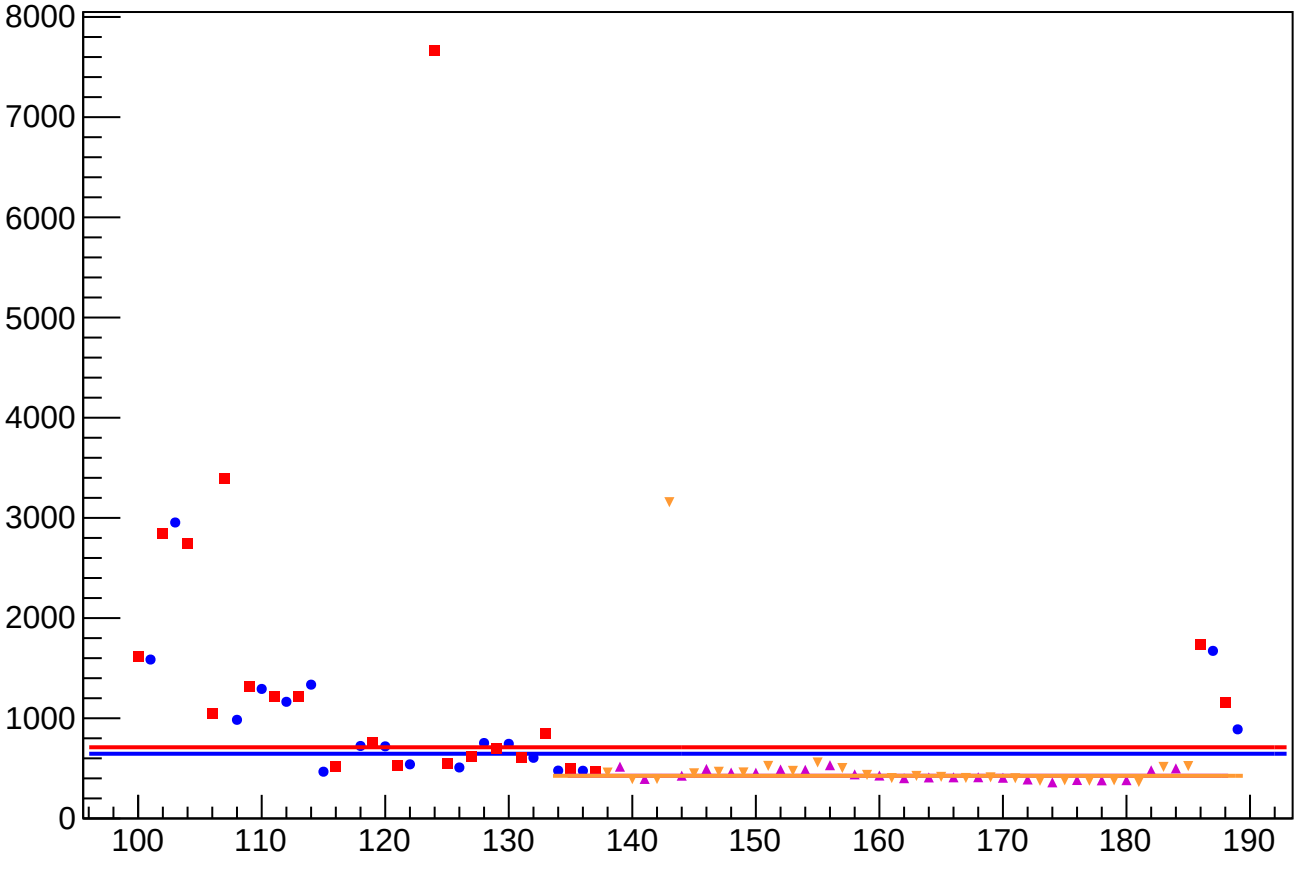
Left In: 21.453+/-100.264 χ^2/NDF:30.8/22

+ sign 397.378+/-92.228 χ^2/NDF: 82.7/42

All: 226.784+/-65.851 χ^2/NDF: 142.1/86

- sign 49.373+/-94.053 χ^2/NDF: 52.5/43

asym_at1_dd_dit_correction_rms vs Slug



Right In: 645.880+/-0.177 χ^2/NDF: 2457666.9/17

Left Out: 425.697+/-0.070 χ^2/NDF:1718145.2/24

Right Out: 710.542+/-0.192 χ^2/NDF: 3646909.2/20

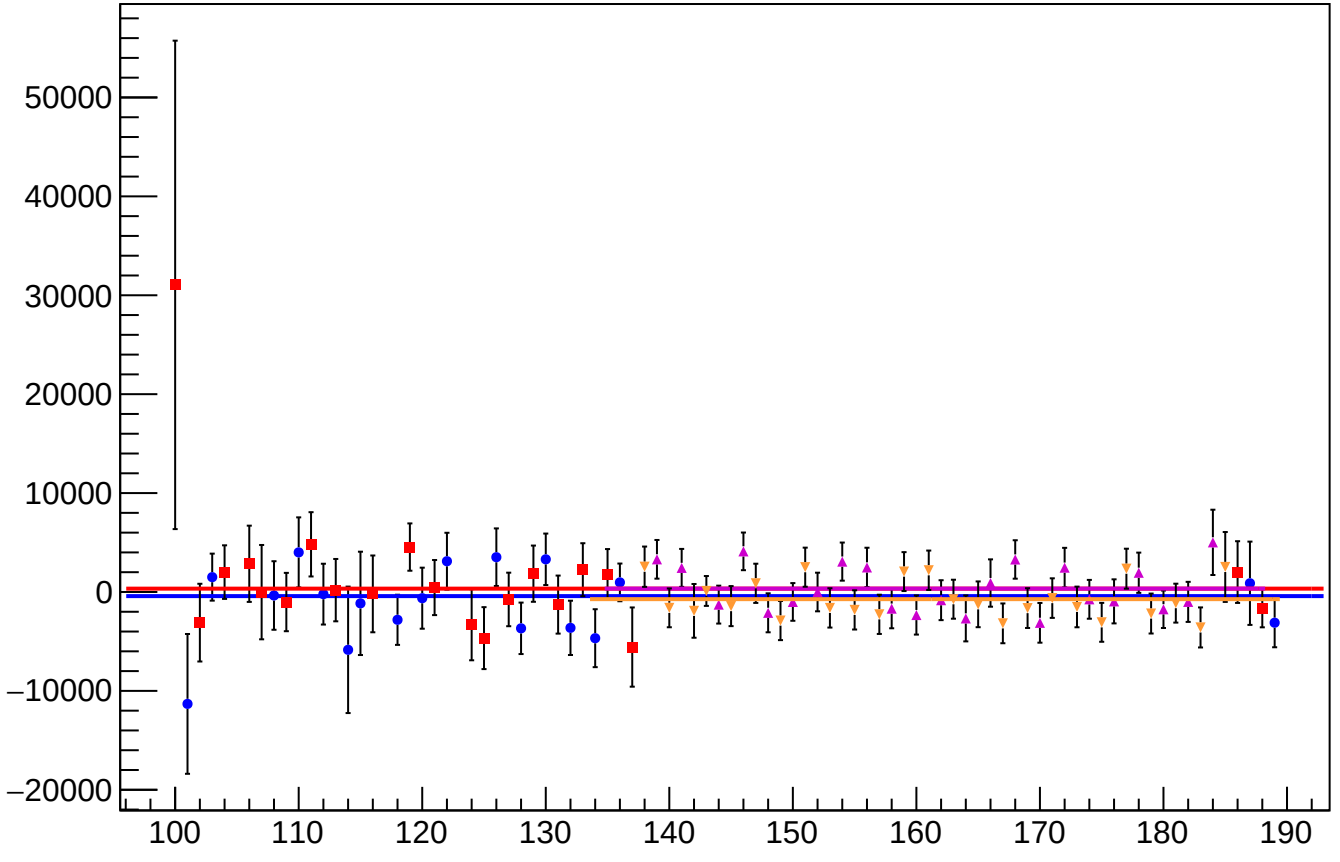
Left In: 426.144+/-0.071 χ^2/NDF:415411.7/22

+ sign 455.425+/-0.065 χ^2/NDF: 5507078.8/42

All: 457.810+/-0.047 χ^2/NDF: 11504103.4/86

- sign 460.290+/-0.067 χ^2/NDF: 5994296.1/43

eigen_dit_asym_at1_dd_mean vs Slug



Right In: -417.416+/-695.814 χ^2/NDF: 18.5/17

Left Out: -724.528+/-404.417 χ^2/NDF:22.2/24

Right Out: 337.603+/-663.785 χ^2/NDF: 17.0/20

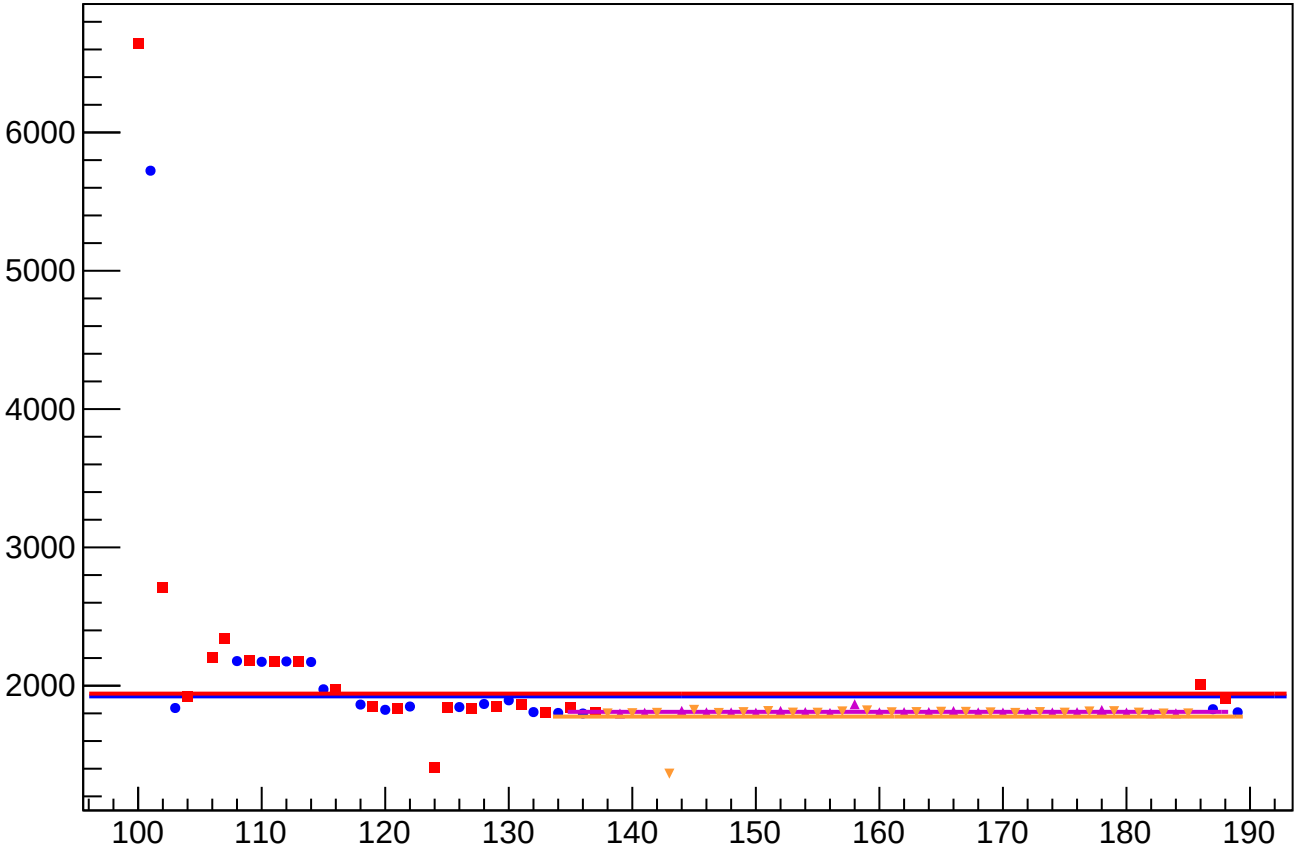
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

+ sign -646.979+/-349.649 χ^2/NDF: 40.8/42

All: -163.170+/-249.674 χ^2/NDF: 91.3/86

- sign 340.178+/-356.640 χ^2/NDF: 46.6/43

eigen_dit_asym_at1_dd_rms vs Slug



Right In: 1922.994+/-0.492 χ^2/NDF: 645723.6/17

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1942.781+/-0.469 χ^2/NDF: 277836.2/20

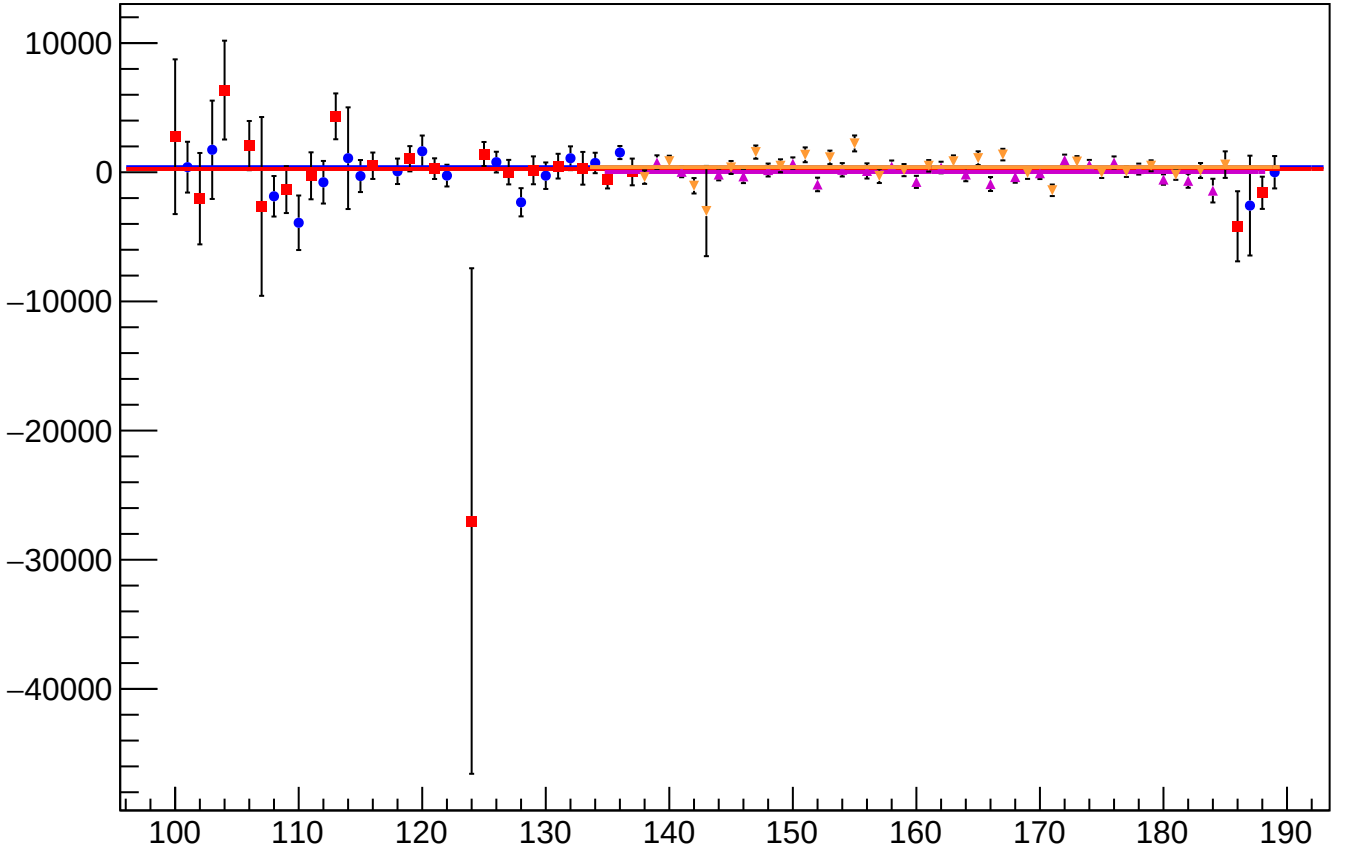
Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

+ sign 1813.656+/-0.247 χ^2/NDF: 873083.9/42

All: 1831.028+/-0.177 χ^2/NDF: 1218959.8/86

- sign 1849.101+/-0.252 χ^2/NDF: 335803.1/43

asym_at1_dd_eigen_dit_correction_mean vs Slug



Right In: 391.673+/-250.999 χ^2/NDF: 22.2/17

Left Out: 398.268+/-99.165 χ^2/NDF:60.5/24

Right Out: 253.995+/-271.435 χ^2/NDF: 21.0/20

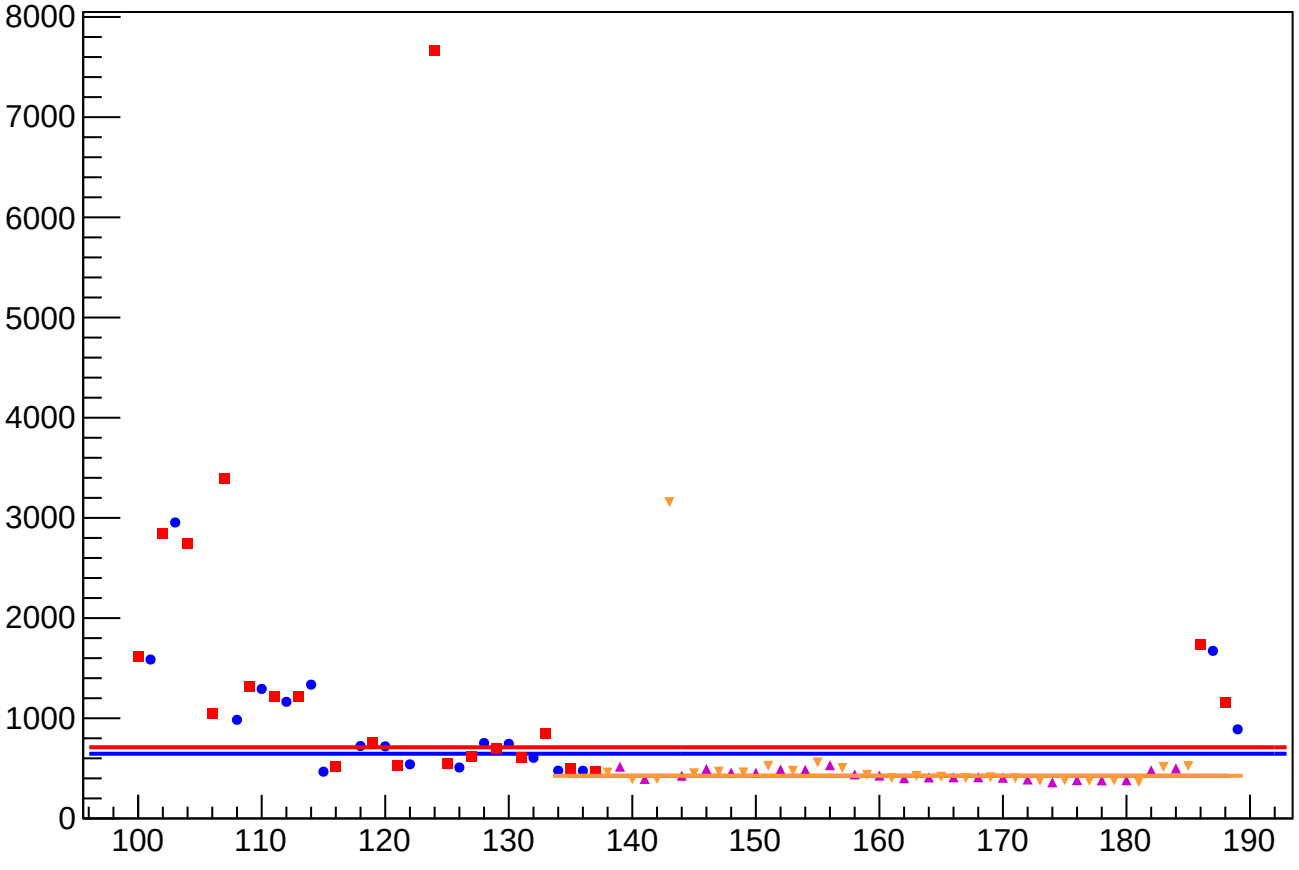
Left In: 21.452+/-100.264 χ^2/NDF:30.8/22

+ sign 397.378+/-92.228 χ^2/NDF: 82.7/42

All: 226.784+/-65.851 χ^2/NDF: 142.1/86

- sign 49.372+/-94.053 χ^2/NDF: 52.5/43

asym_at1_dd_eigen_dit_correction_rms vs Slug



Right In: 645.880+/-0.177 χ^2/NDF: 2457666.2/17

Left Out: 425.696+/-0.070 χ^2/NDF:1718147.9/24

Right Out: 710.542+/-0.192 χ^2/NDF: 3646911.3/20

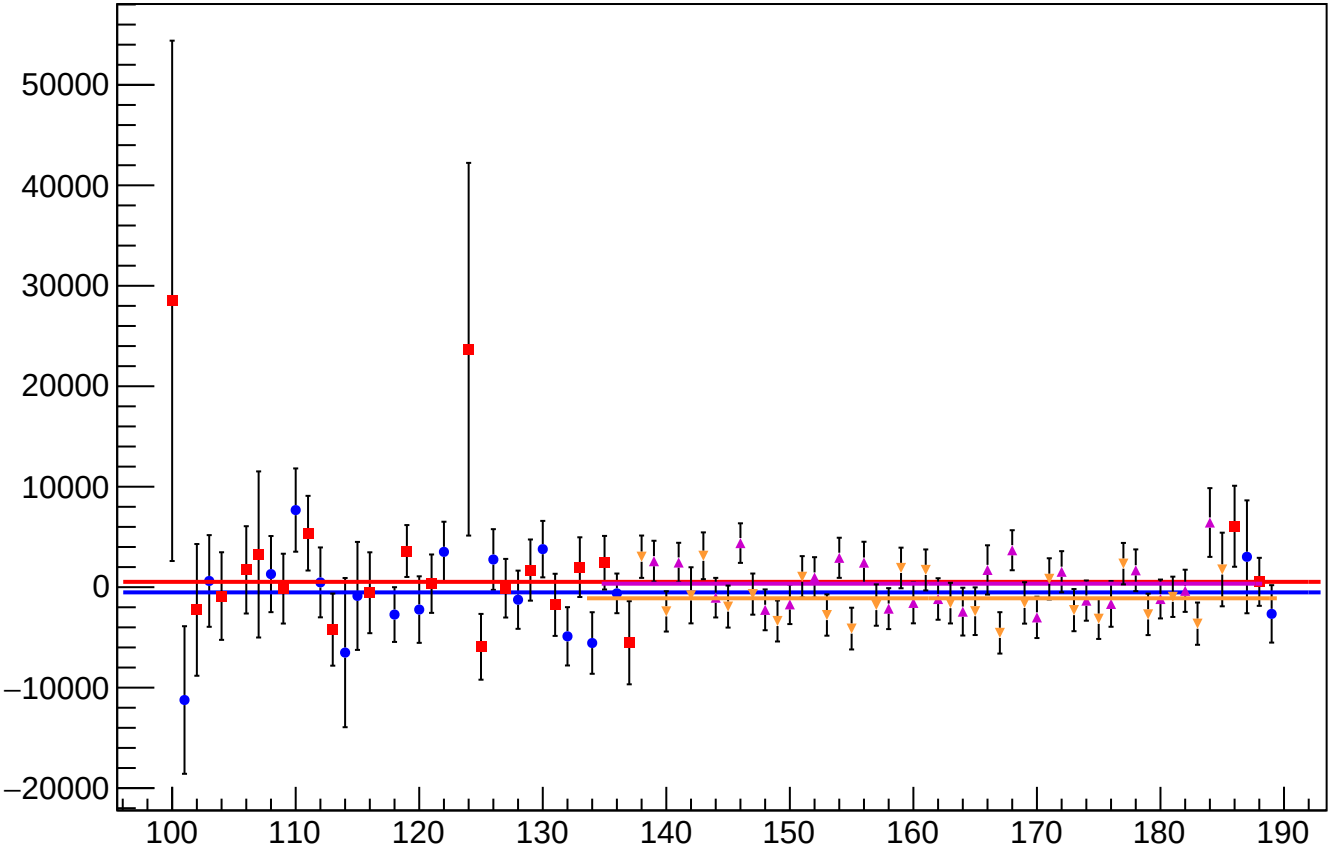
Left In: 426.144+/-0.071 χ^2/NDF:415415.2/22

+ sign 455.424+/-0.065 χ^2/NDF: 5507082.4/42

All: 457.809+/-0.047 χ^2/NDF: 11504113.0/86

- sign 460.290+/-0.067 χ^2/NDF: 5994302.1/43

asym_at1_dd_mean vs Slug



Right In: -517.341+/-776.569 χ^2/NDF: 19.3/17

Left Out: -1105.791+/-424.648 χ^2/NDF:28.0/24

Right Out: 530.240+/-770.923 χ^2/NDF: 17.6/20

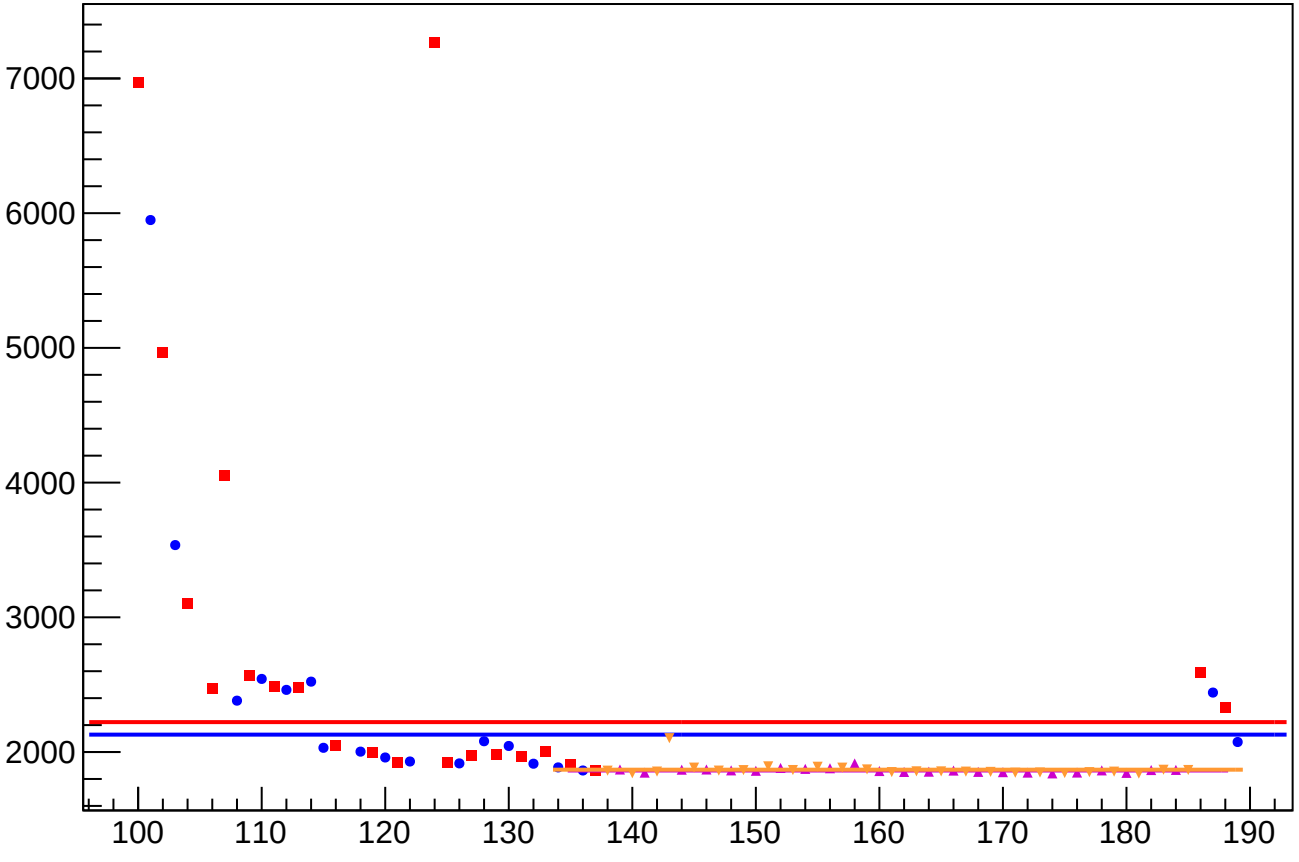
Left In: 346.936+/-434.947 χ^2/NDF:28.8/22

+ sign -970.337+/-372.582 χ^2/NDF: 47.8/42

All: -300.865+/-265.631 χ^2/NDF: 100.7/86

- sign 391.195+/-378.815 χ^2/NDF: 46.4/43

asym_at1_dd_rms vs Slug



Right In: 2129.162+/-0.549 χ^2/NDF: 882000.5/17

Left Out: 1868.941+/-0.300 χ^2/NDF:23314.7/24

Right Out: 2222.058+/-0.545 χ^2/NDF: 965579.6/20

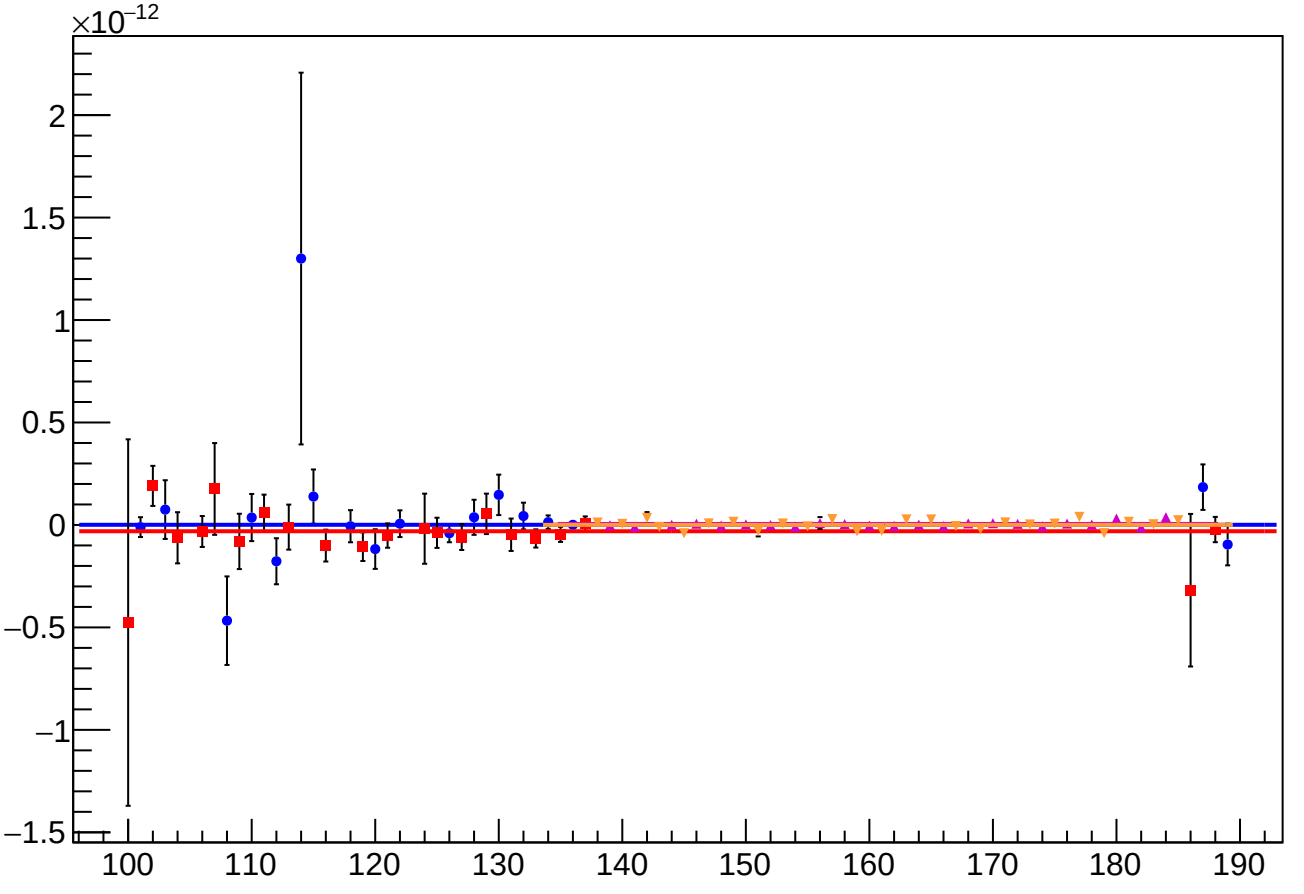
Left In: 1862.828+/-0.308 χ^2/NDF:2714.5/22

+ sign 1928.841+/-0.263 χ^2/NDF: 1078193.0/42

All: 1939.031+/-0.188 χ^2/NDF: 2378940.5/86

- sign 1949.566+/-0.268 χ^2/NDF: 1297704.5/43

asym_at1_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:42.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/20

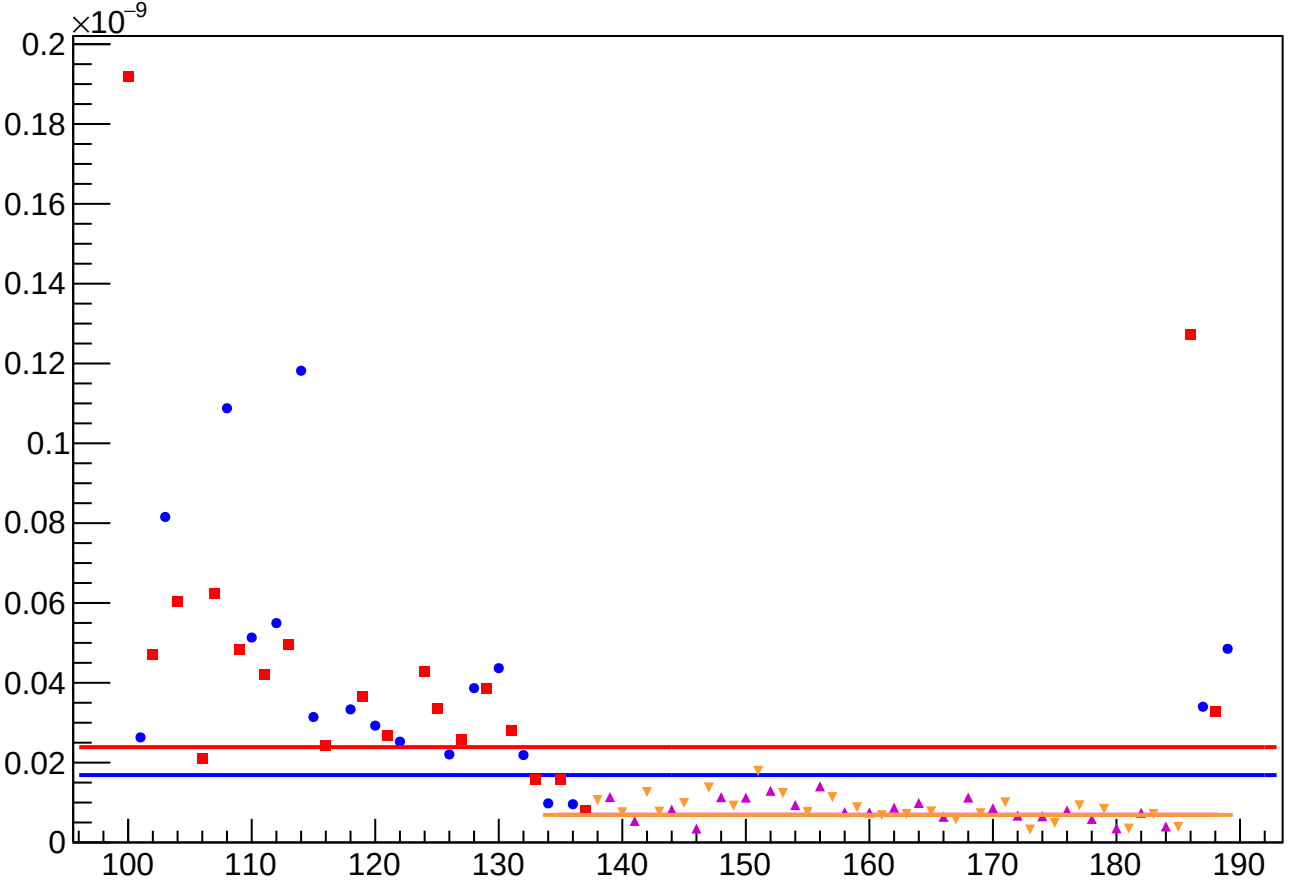
Left In: 0.000+/-0.000 χ^2/NDF:17.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 61.8/42

All: 0.000+/-0.000 χ^2/NDF: 97.9/86

- sign 0.000+/-0.000 χ^2/NDF: 35.6/43

asym_at1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2533650.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:1843010.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1611536.1/20

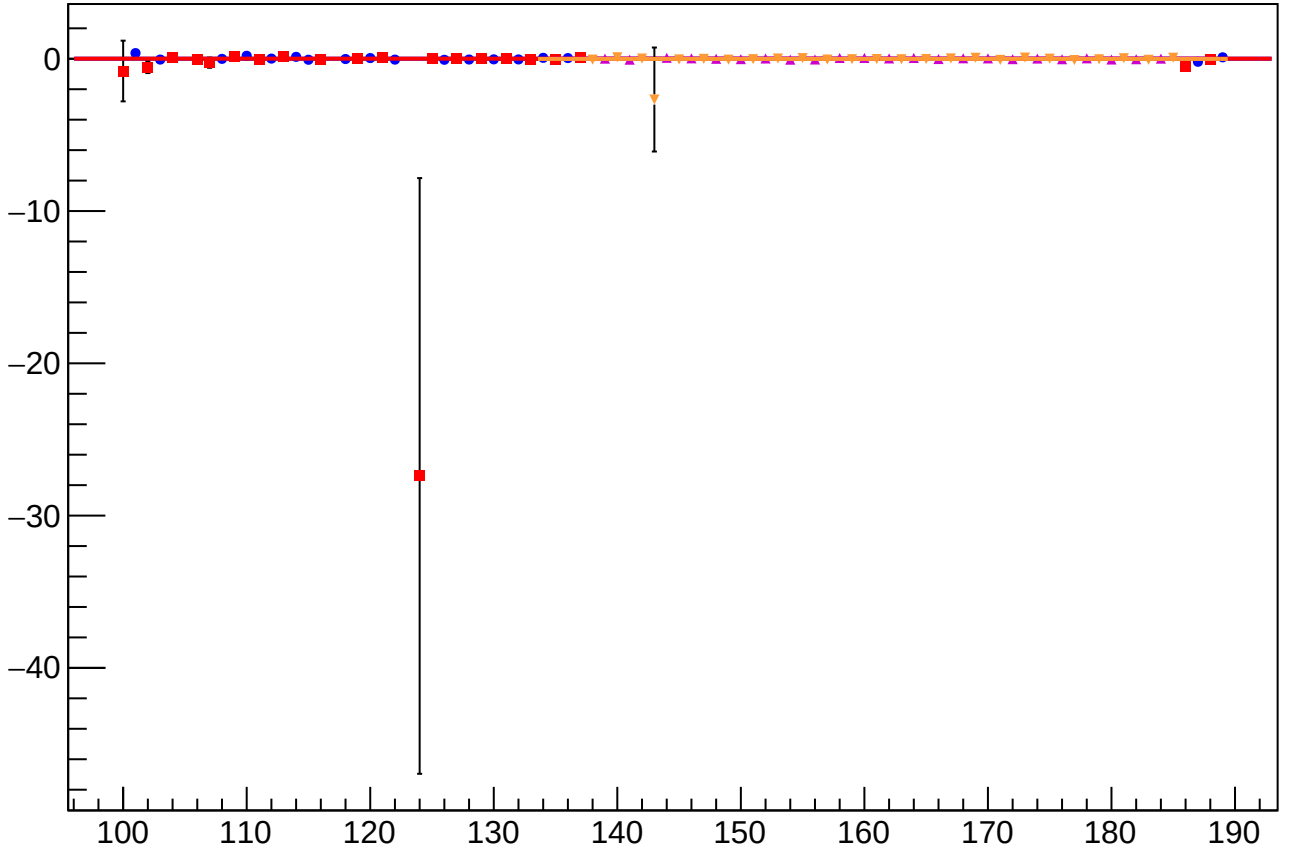
Left In: 0.000+/-0.000 χ^2/NDF:1477997.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5742649.1/42

All: 0.000+/-0.000 χ^2/NDF: 11215931.6/86

- sign 0.000+/-0.000 χ^2/NDF: 5472080.3/43

asym_at1_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.014 χ^2/NDF: 23.1/17

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.007+/-0.014 χ^2/NDF: 20.6/20

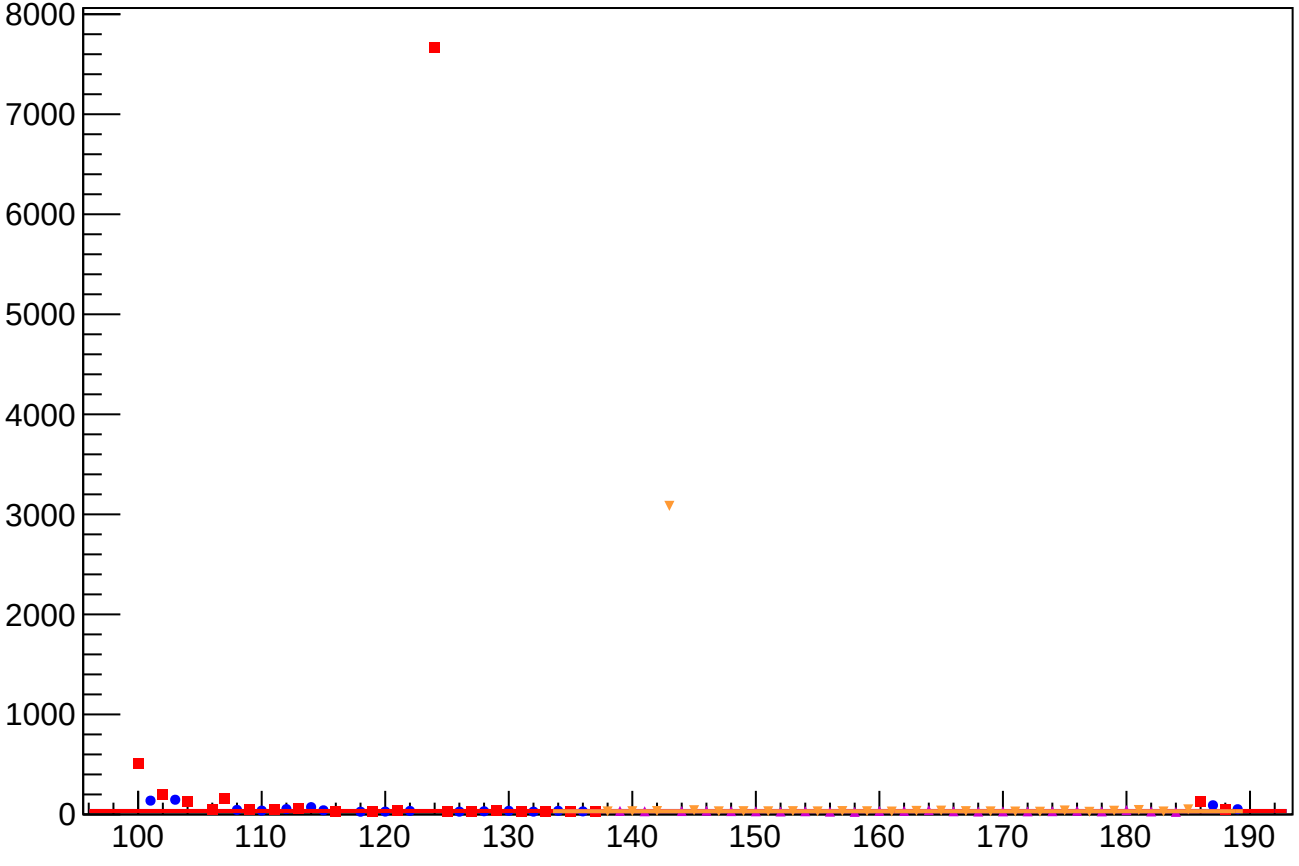
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.007+/-0.007 χ^2/NDF: 63.3/42

All: -0.001+/-0.005 χ^2/NDF: 105.9/86

- sign 0.004+/-0.007 χ^2/NDF: 41.5/43

asym_at1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 34.871+/-0.010 χ^2/NDF: 1952048.5/17

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

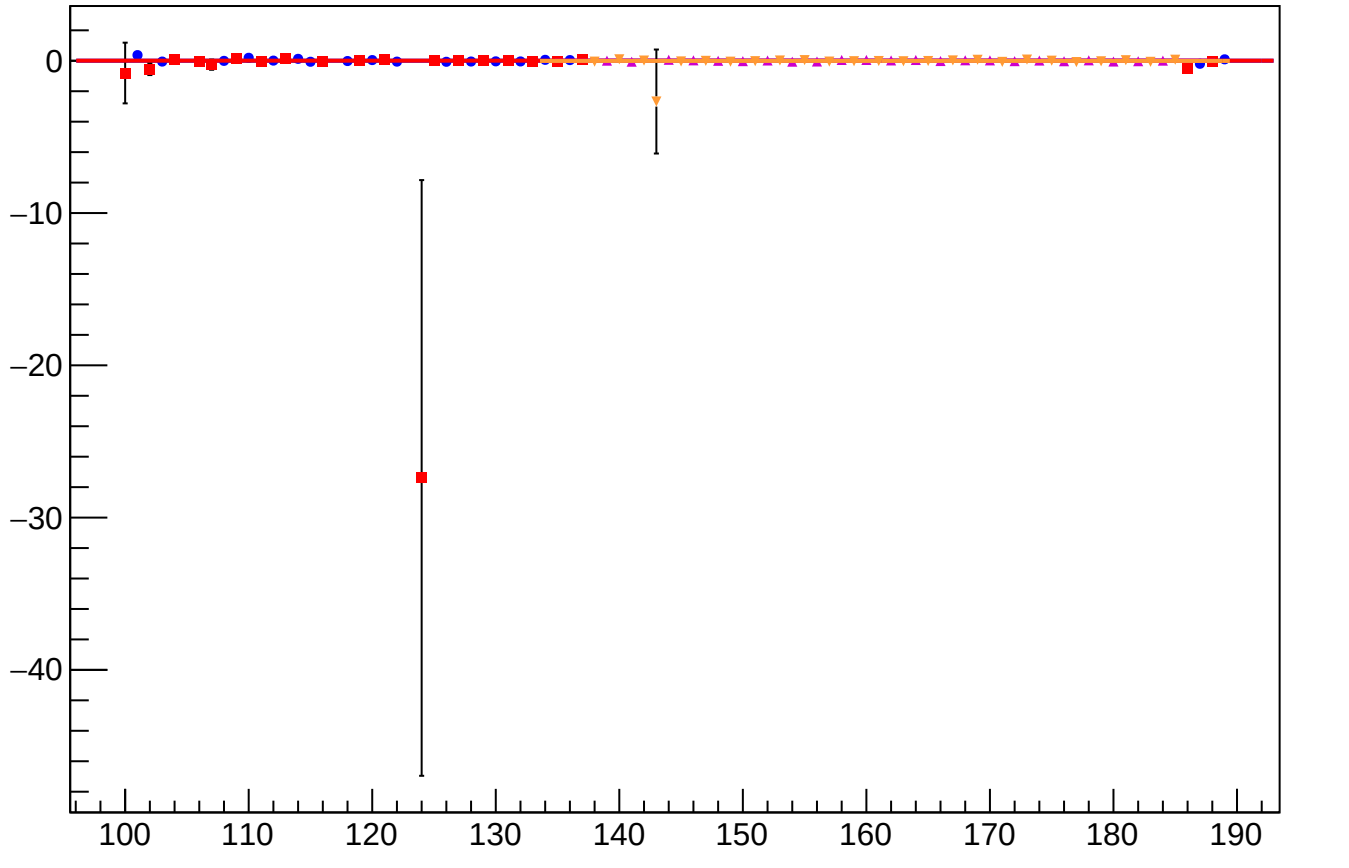
Right Out: 34.656+/-0.010 χ^2/NDF: 2685392.4/20

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

+ sign 32.910+/-0.005 χ^2/NDF: 4121378.6/42

All: 32.945+/-0.004 χ^2/NDF: 7269358.5/86

- sign 32.981+/-0.005 χ^2/NDF: 3147880.9/43



Right In: 0.003+/-0.014 χ^2/NDF: 23.1/17

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.007+/-0.014 χ^2/NDF: 20.6/20

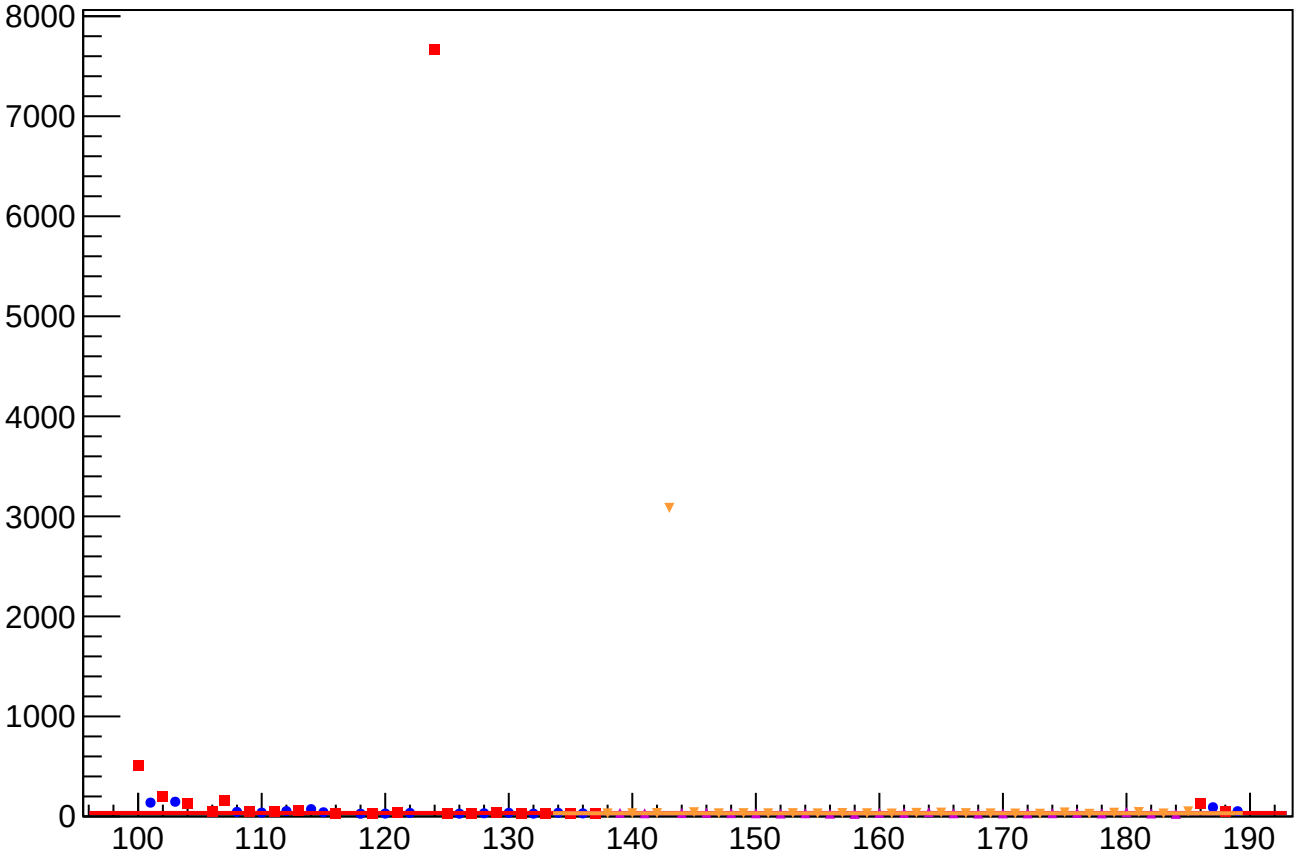
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.007+/-0.007 χ^2/NDF: 63.3/42

All: -0.001+/-0.005 χ^2/NDF: 105.9/86

- sign 0.004+/-0.007 χ^2/NDF: 41.5/43

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.871+/-0.010 χ^2/NDF: 1952048.5/17

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

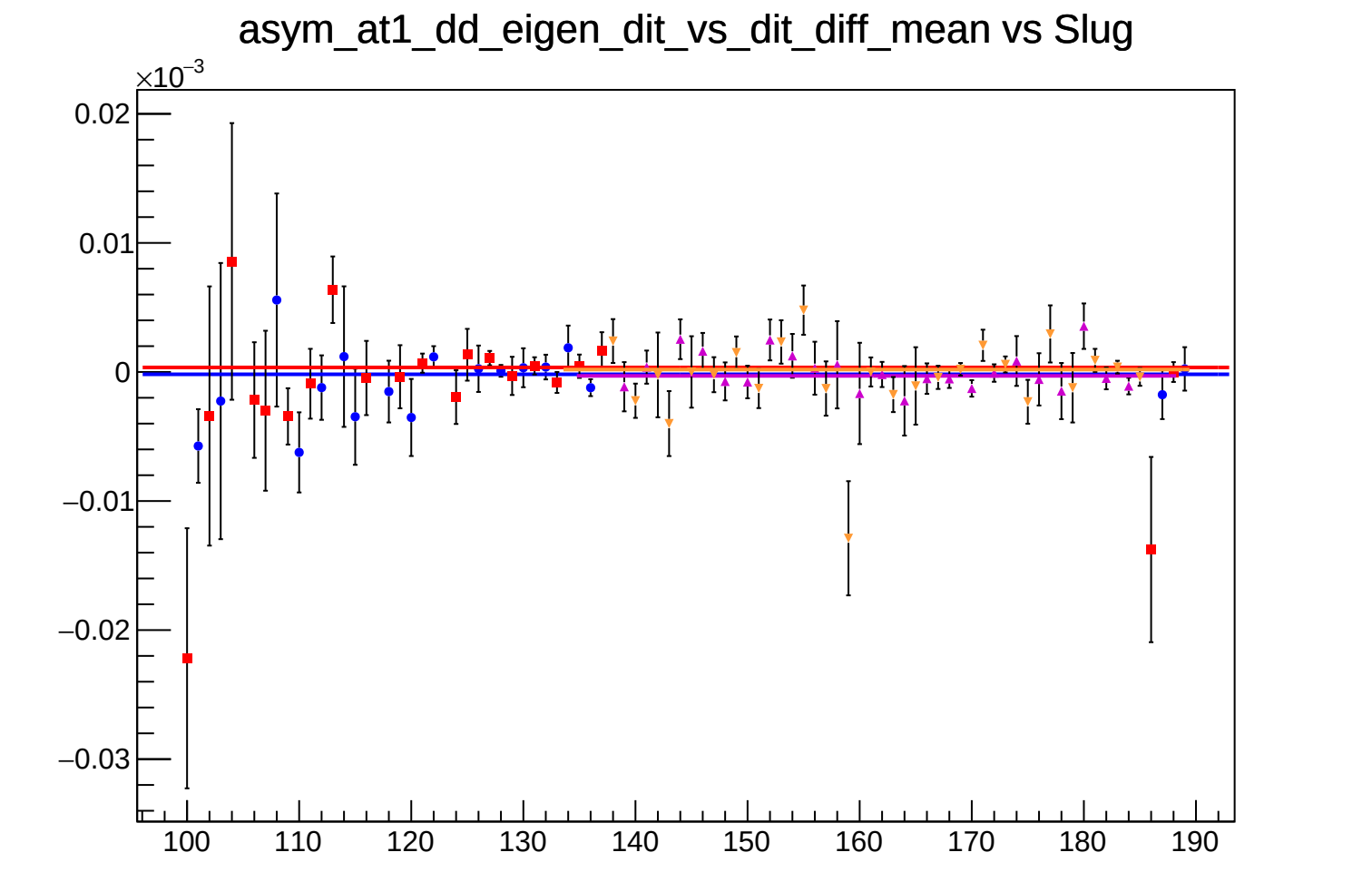
Right Out: 34.656+/-0.010 χ^2/NDF: 2685392.4/20

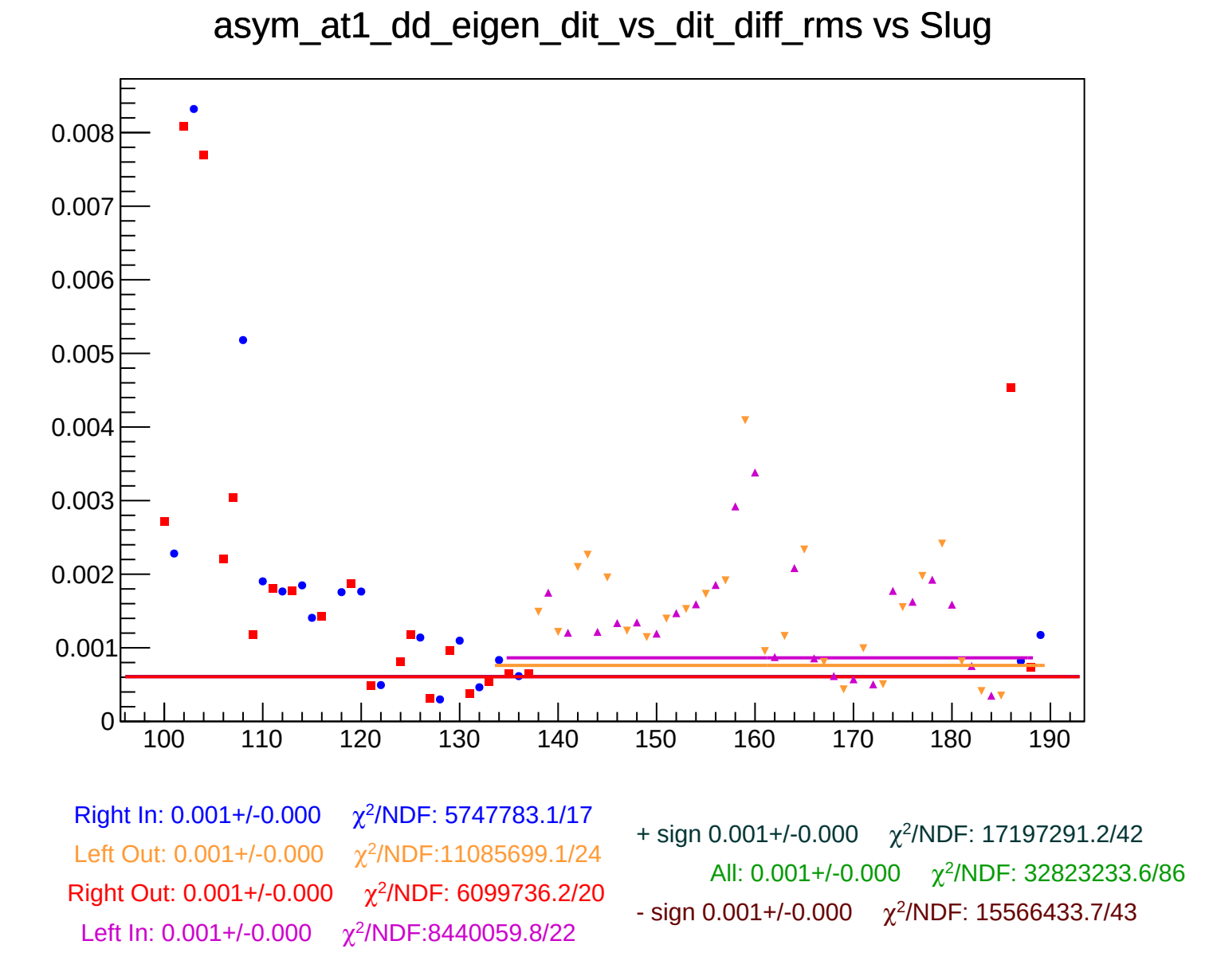
Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

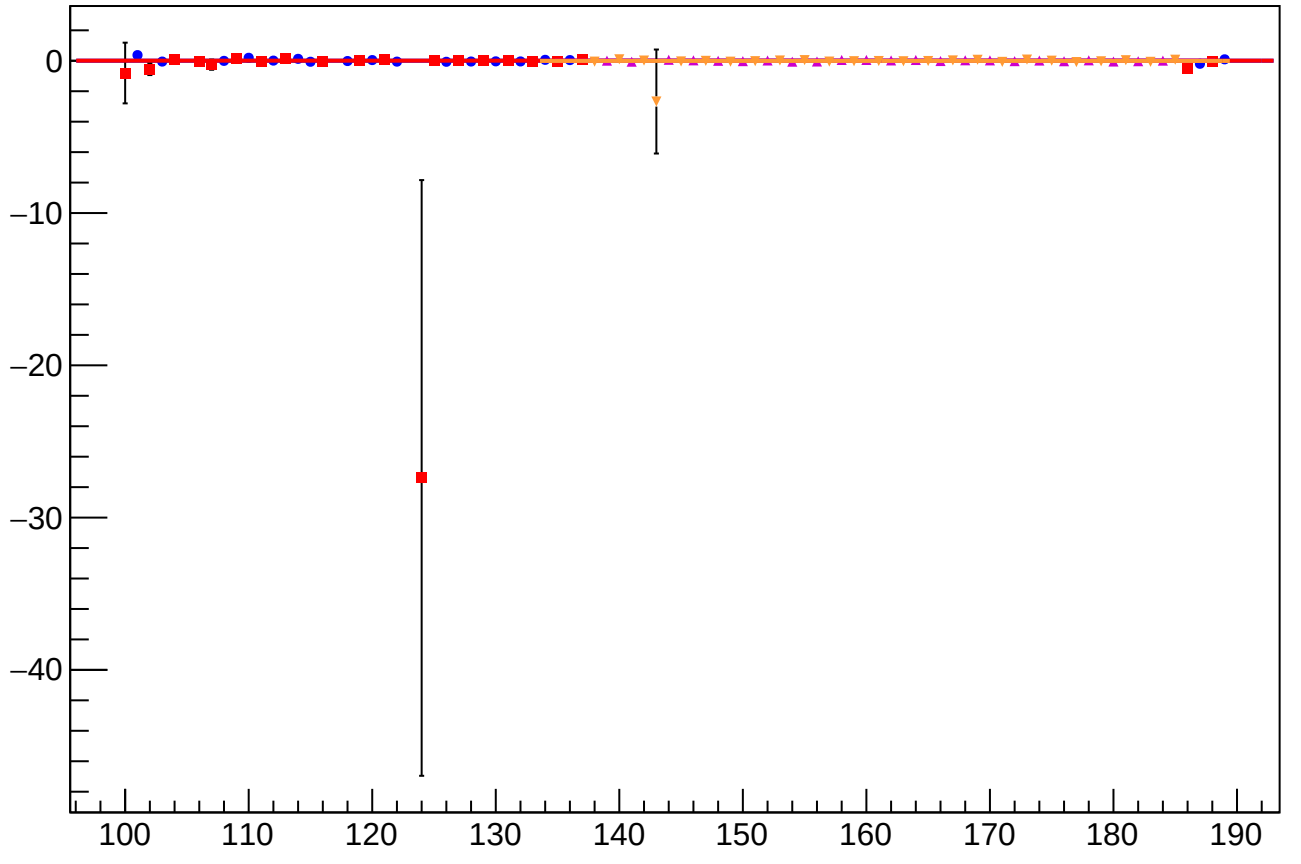
+ sign 32.910+/-0.005 χ^2/NDF: 4121378.6/42

All: 32.945+/-0.004 χ^2/NDF: 7269358.5/86

- sign 32.981+/-0.005 χ^2/NDF: 3147880.9/43


asym_at1_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.02
0.01
0
−0.01
−0.02
−0.03
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 18.9/17
Left Out: 0.000+/-0.000 χ²/NDF:37.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 25.7/20
Left In: -0.000+/-0.000 χ²/NDF:20.2/22
+ sign 0.000+/-0.000 χ²/NDF: 57.5/42
All: 0.000+/-0.000 χ²/NDF: 106.9/86
- sign -0.000+/-0.000 χ²/NDF: 49.3/43


asym_at1_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.001+/-0.000 χ²/NDF: 5747783.1/17
Left Out: 0.001+/-0.000 χ²/NDF:11085699.1/24
Right Out: 0.001+/-0.000 χ²/NDF: 6099736.2/20
Left In: 0.001+/-0.000 χ²/NDF:8440059.8/22
+ sign 0.001+/-0.000 χ²/NDF: 17197291.2/42
All: 0.001+/-0.000 χ²/NDF: 32823233.6/86
- sign 0.001+/-0.000 χ²/NDF: 15566433.7/43



Right In: 0.003+/-0.014 χ^2/NDF: 23.1/17

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.007+/-0.014 χ^2/NDF: 20.6/20

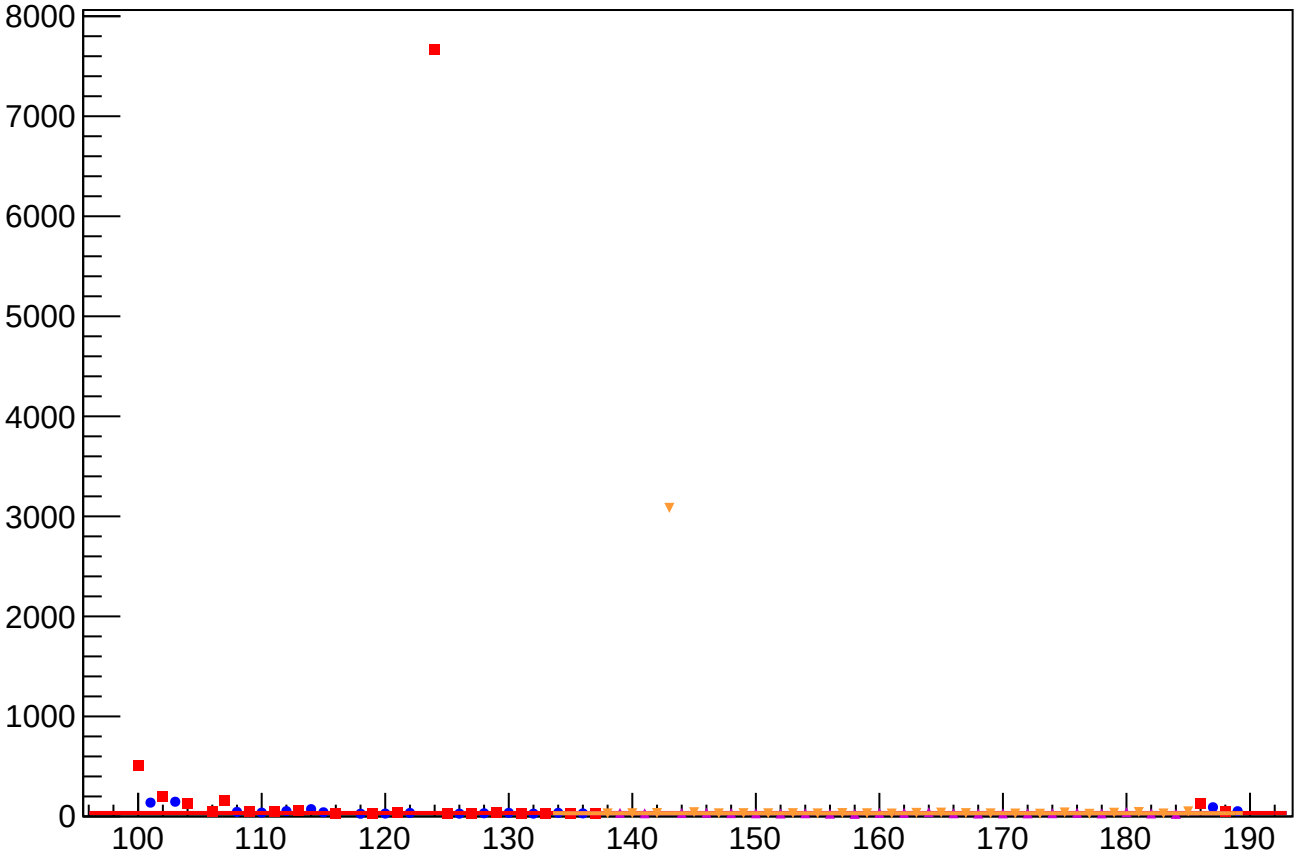
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.007+/-0.007 χ^2/NDF: 63.3/42

All: -0.001+/-0.005 χ^2/NDF: 105.9/86

- sign 0.004+/-0.007 χ^2/NDF: 41.5/43

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 34.871+/-0.010 χ^2/NDF: 1952037.1/17

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

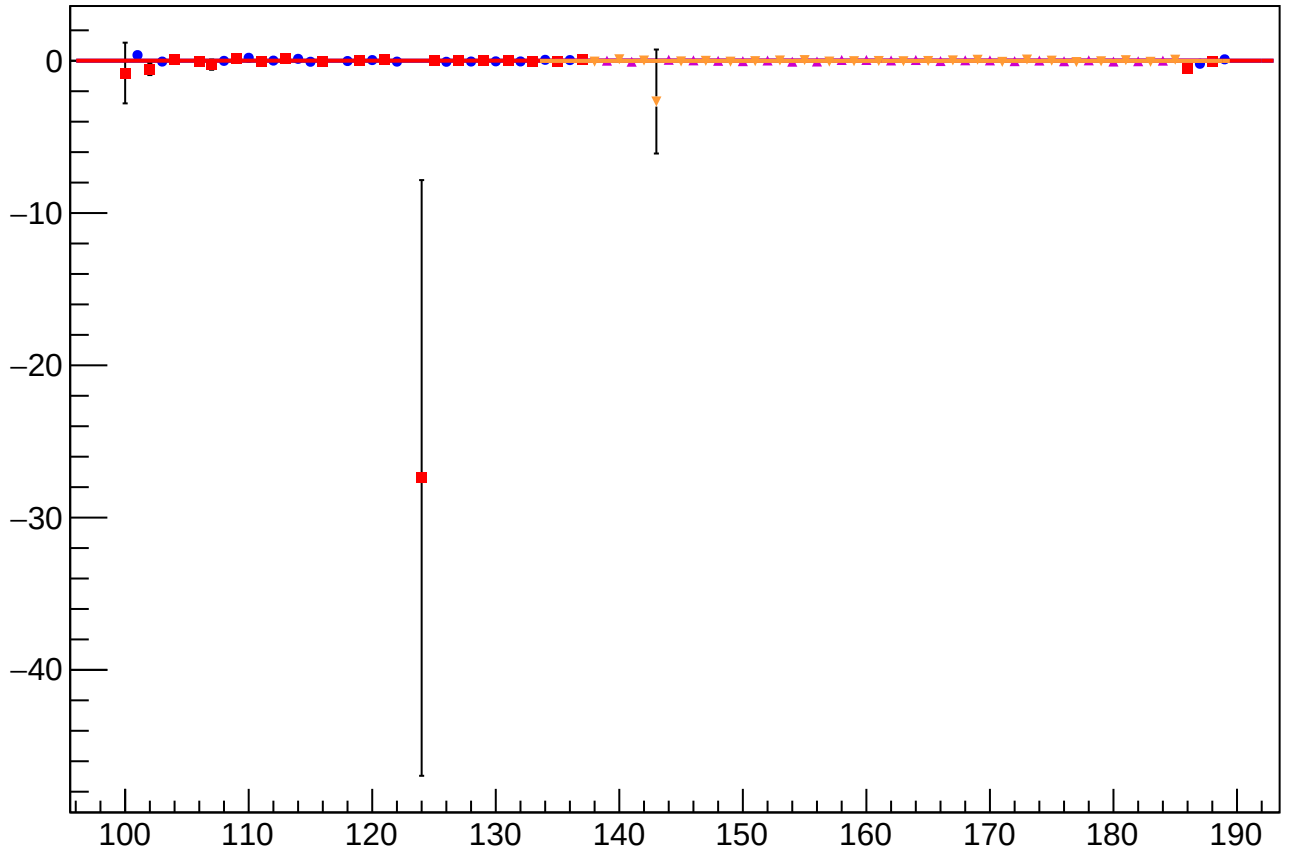
Right Out: 34.656+/-0.010 χ^2/NDF: 2685380.7/20

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

+ sign 32.910+/-0.005 χ^2/NDF: 4121413.5/42

All: 32.945+/-0.004 χ^2/NDF: 7269287.6/86

- sign 32.981+/-0.005 χ^2/NDF: 3147774.5/43



Right In: 0.003+/-0.014 χ^2/NDF: 23.1/17

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

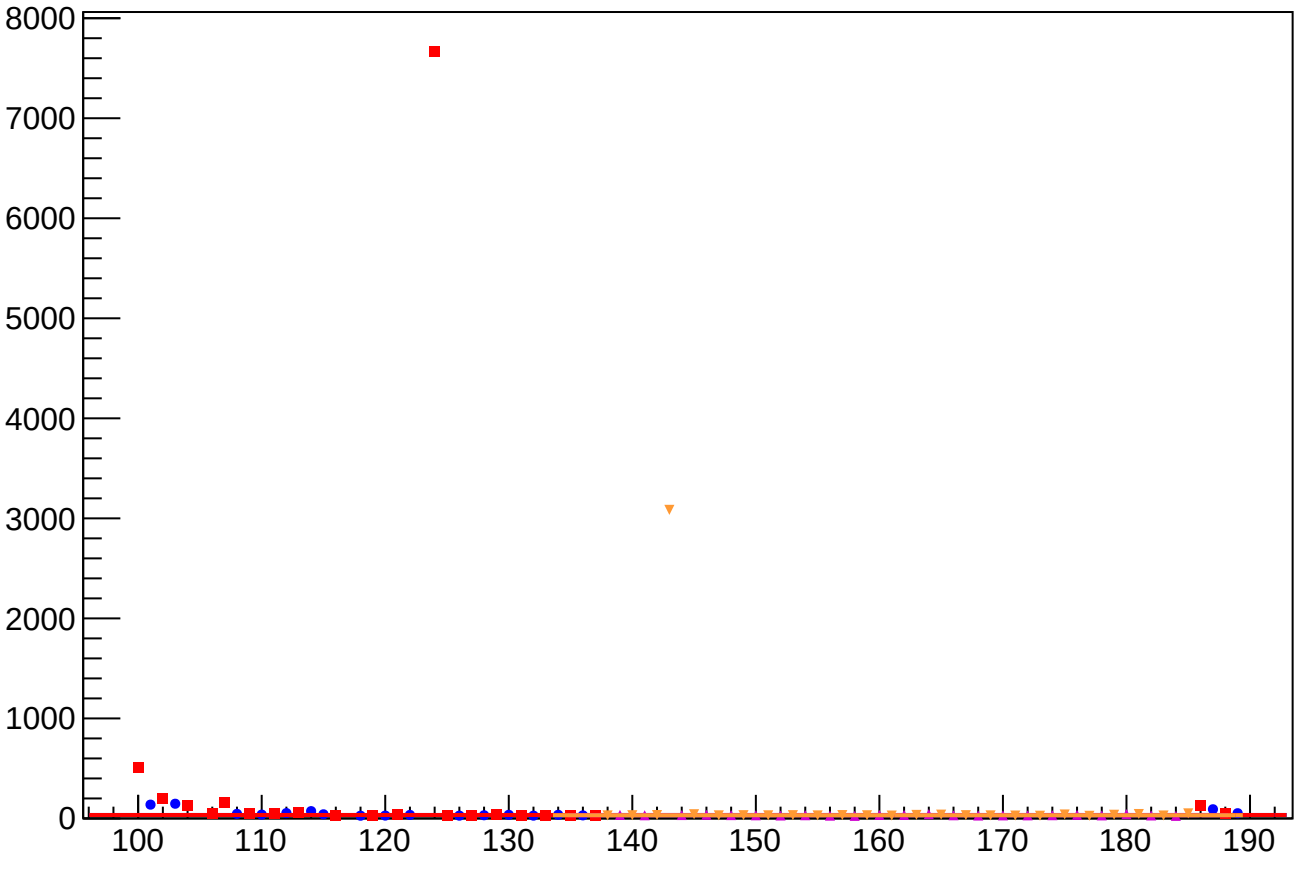
Right Out: 0.007+/-0.014 χ^2/NDF: 20.6/20

Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.007+/-0.007 χ^2/NDF: 63.3/42

All: -0.001+/-0.005 χ^2/NDF: 105.9/86

- sign 0.004+/-0.007 χ^2/NDF: 41.5/43



Right In: 34.871+/-0.010 χ^2/NDF: 1952037.1/17

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

Right Out: 34.656+/-0.010 χ^2/NDF: 2685380.7/20

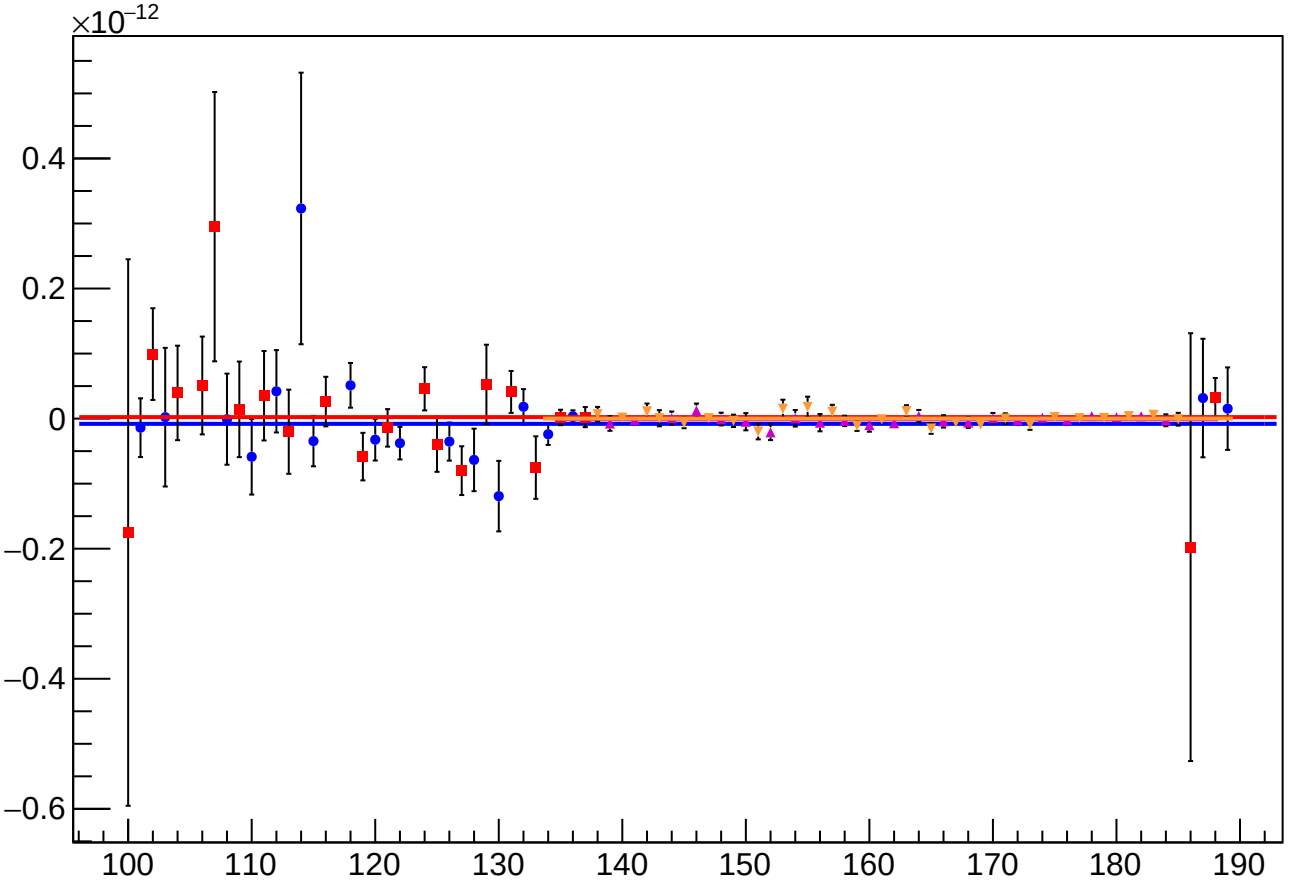
Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

+ sign 32.910+/-0.005 χ^2/NDF: 4121413.5/42

All: 32.945+/-0.004 χ^2/NDF: 7269287.6/86

- sign 32.981+/-0.005 χ^2/NDF: 3147774.5/43

asym_at1_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 19.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:21.1/24

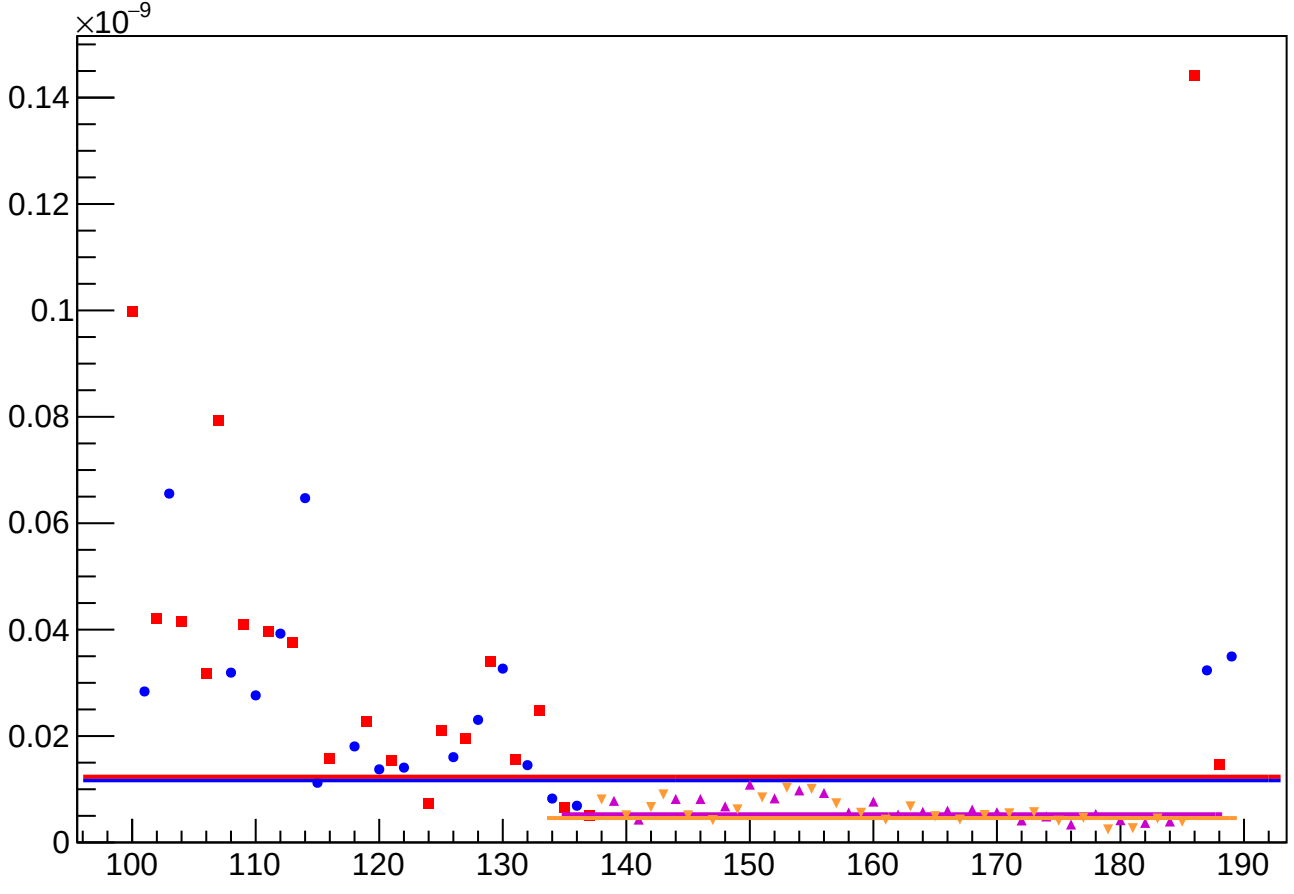
Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/20

Left In: -0.000+/-0.000 χ^2/NDF:9.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 42.2/42

All: -0.000+/-0.000 χ^2/NDF: 73.9/86

- sign -0.000+/-0.000 χ^2/NDF: 31.6/43



Right In: 0.000+/-0.000 χ^2/NDF: 3191463.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:2796753.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4092726.5/20

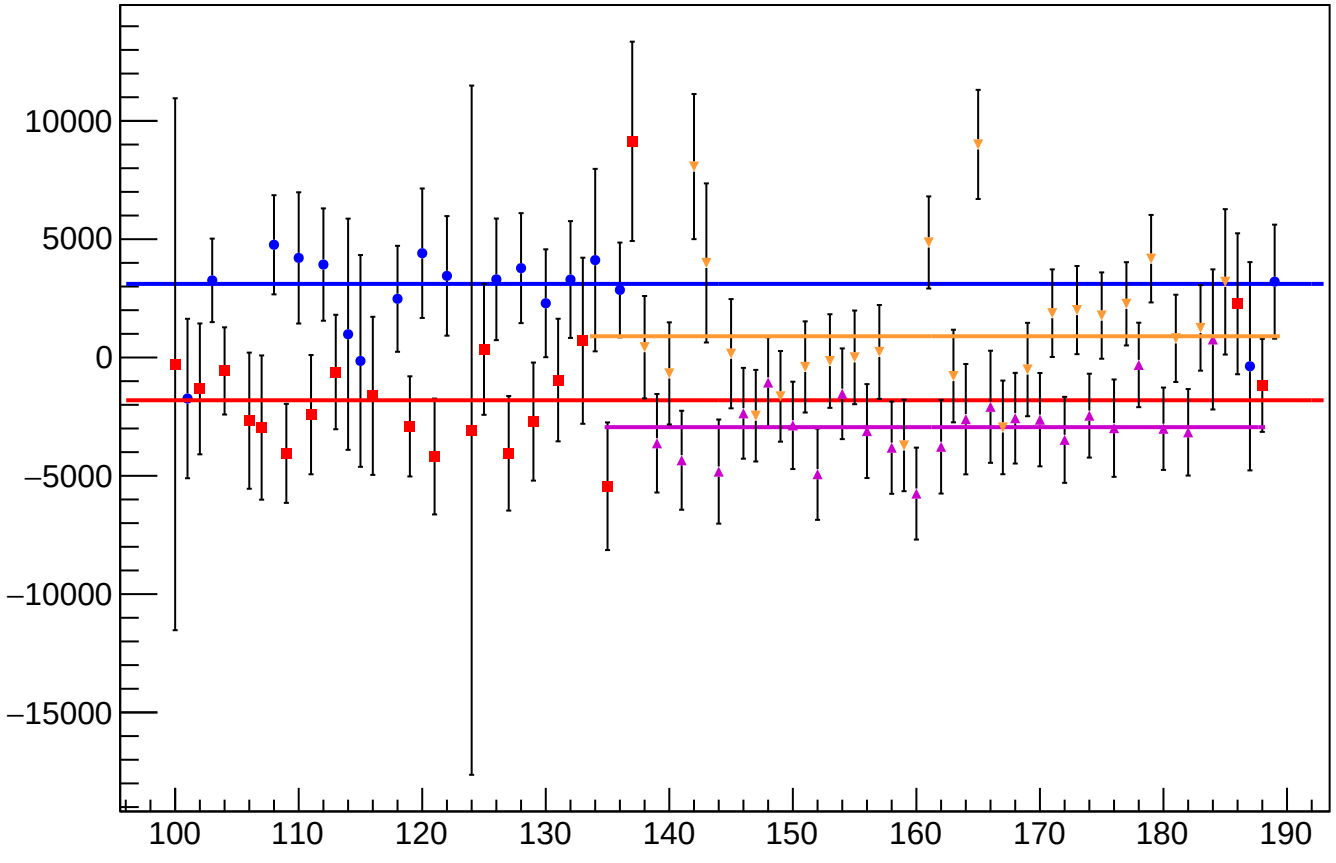
Left In: 0.000+/-0.000 χ^2/NDF:2230717.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 8361866.9/42

All: 0.000+/-0.000 χ^2/NDF: 16826026.6/86

- sign 0.000+/-0.000 χ^2/NDF: 8235057.5/43

reg_asym_at2_avg_mean vs Slug



Right In: 3111.146+/-601.977 χ^2/NDF: 4.9/17

Left Out: 898.921+/-405.540 χ^2/NDF:45.3/24

Right Out: -1807.014+/-581.167 χ^2/NDF: 16.2/20

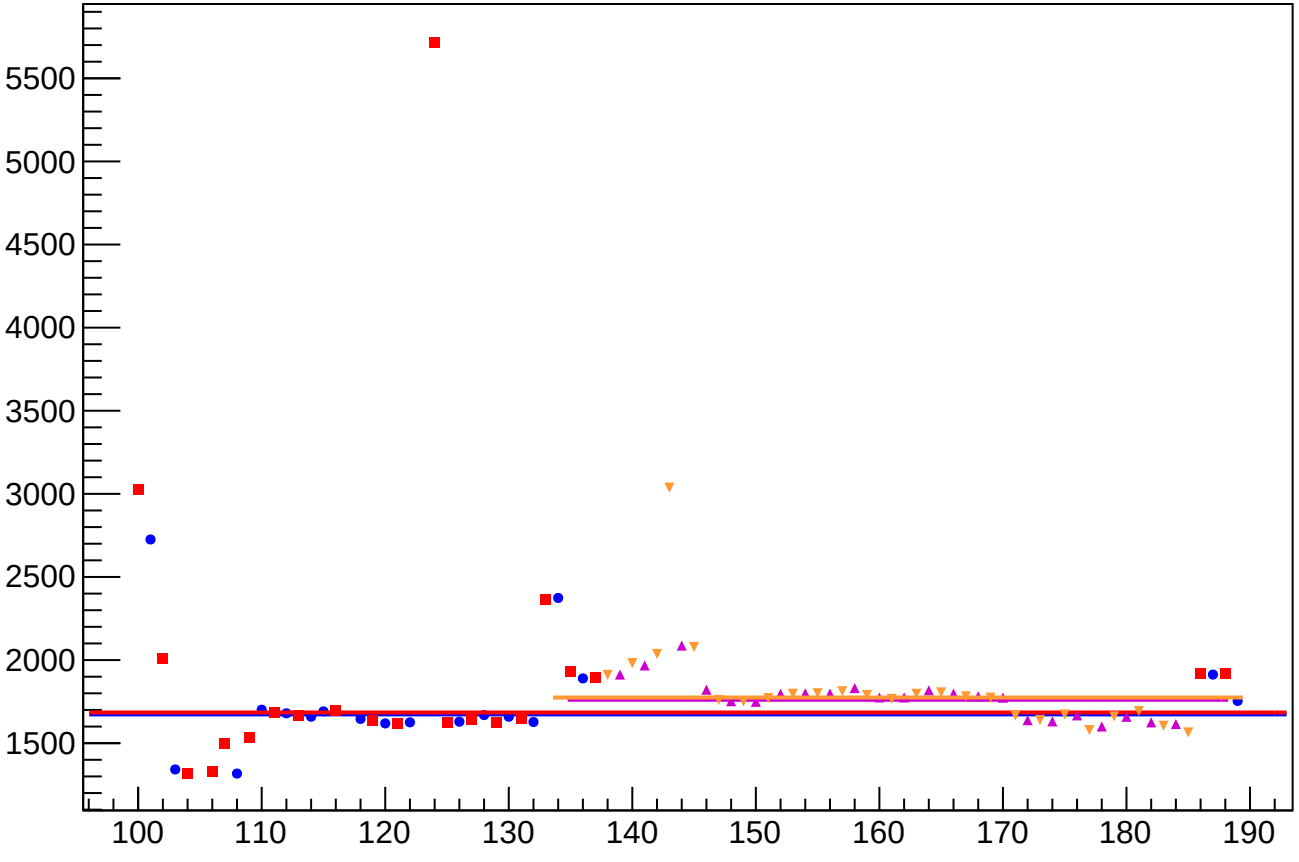
Left In: -2943.285+/-412.069 χ^2/NDF:10.6/22

+ sign 1589.509+/-336.337 χ^2/NDF: 59.5/42

All: -487.997+/-237.759 χ^2/NDF: 165.0/86

- sign -2563.150+/-336.147 χ^2/NDF: 29.3/43

reg_asym_at2_avg_rms vs Slug



Right In: 1673.273+/-0.426 χ^2/NDF: 424351.9/17

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.8/24

Right Out: 1684.768+/-0.411 χ^2/NDF: 478089.2/20

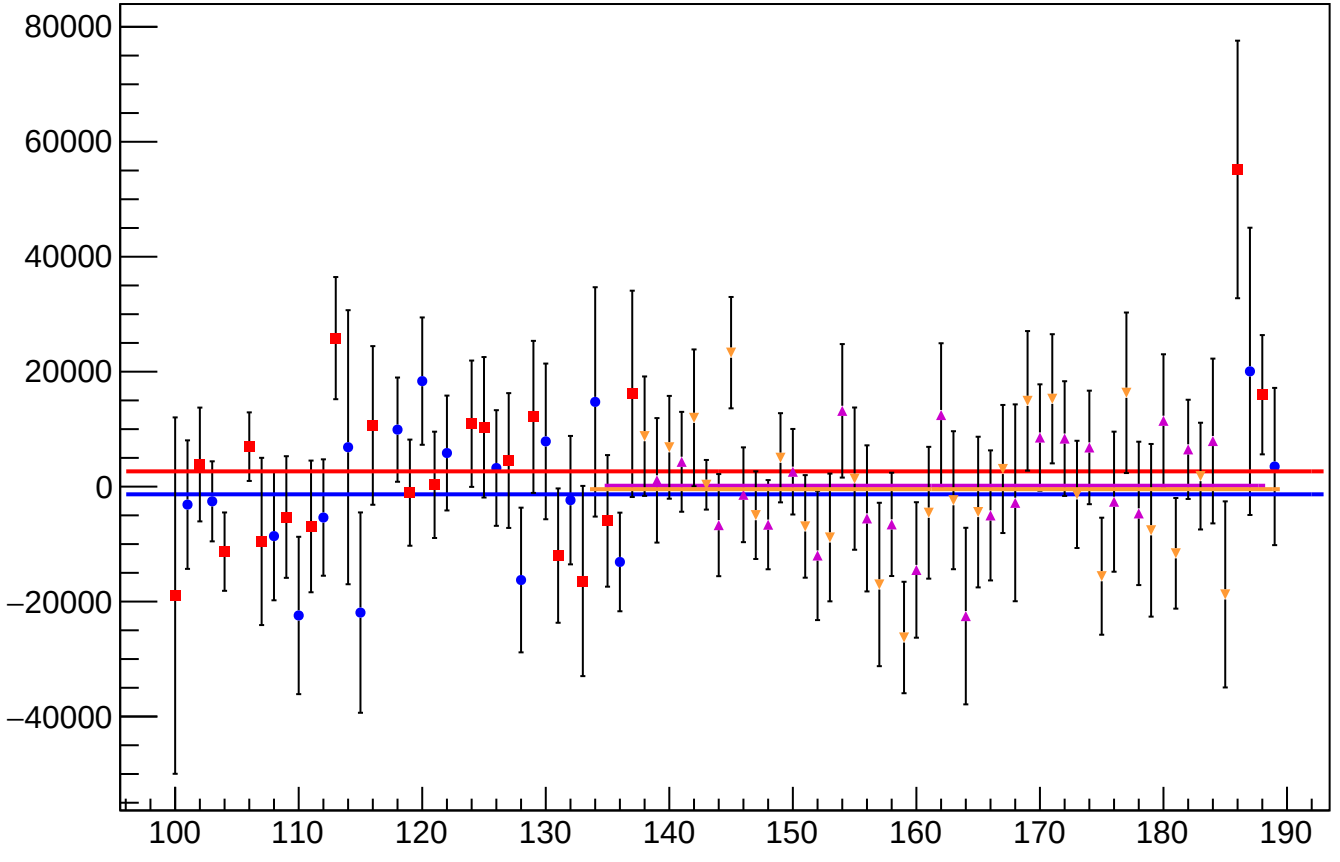
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1743.059+/-0.238 χ^2/NDF: 910324.7/42

All: 1739.305+/-0.168 χ^2/NDF: 1558131.3/86

- sign 1735.556+/-0.238 χ^2/NDF: 647308.6/43

asym_at2_avg_reg_correction_mean vs Slug



Right In: -1338.529+/-2674.585 χ^2/NDF: 15.2/17

Left Out: -443.346+/-1925.604 χ^2/NDF:29.5/24

Right Out: 2655.494+/-2352.968 χ^2/NDF: 25.2/20

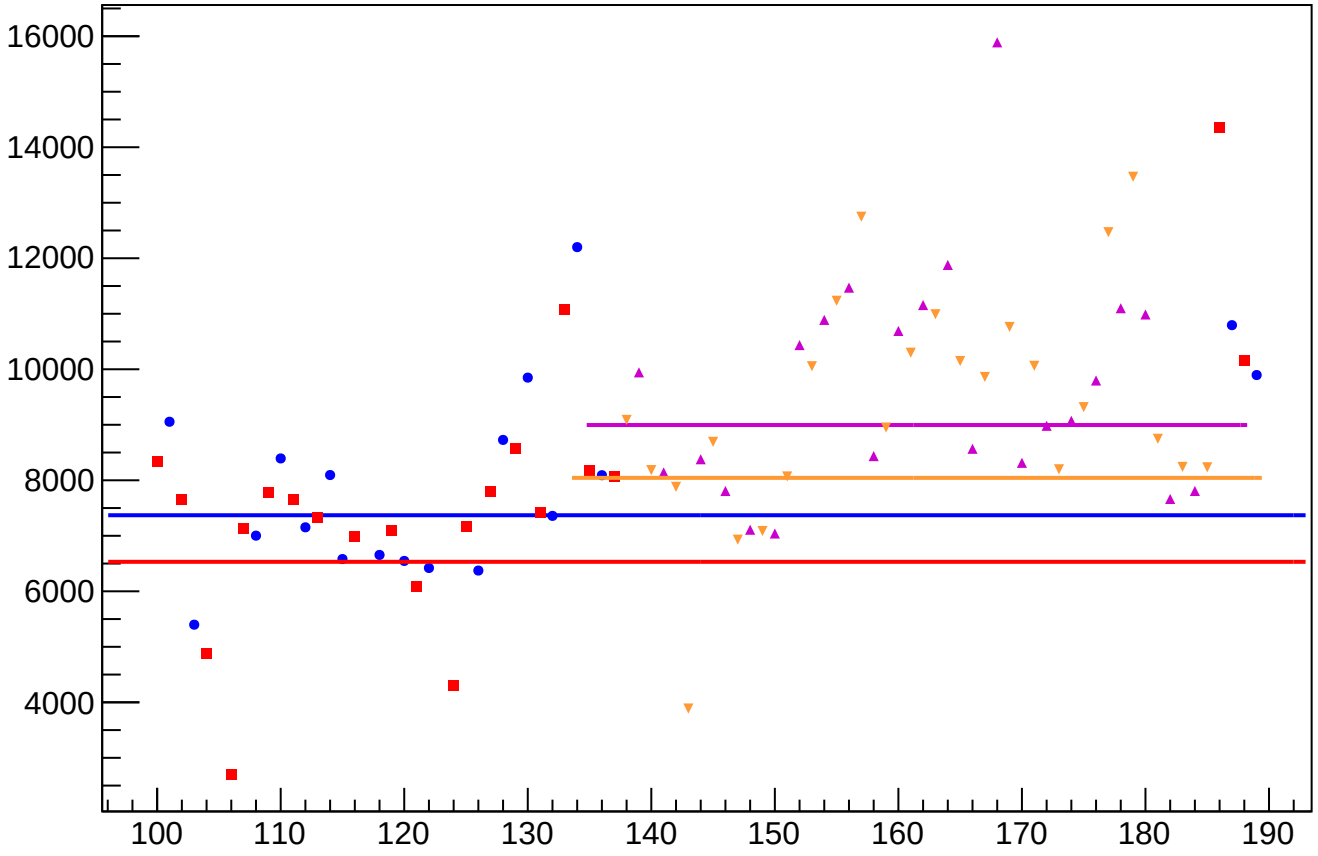
Left In: 155.268+/-2143.489 χ^2/NDF:13.8/22

\+ sign -748.952+/-1562.721 χ^2/NDF: 44.8/42

All: 255.954+/-1112.654 χ^2/NDF: 85.2/86

\- sign 1289.154+/-1584.568 χ^2/NDF: 39.6/43

asym_at2_avg_reg_correction_rms vs Slug



Right In: 7370.478+/-1.891 χ^2/NDF: 614421.9/17

Left Out: 8043.834+/-1.362 χ^2/NDF:3362838.6/24

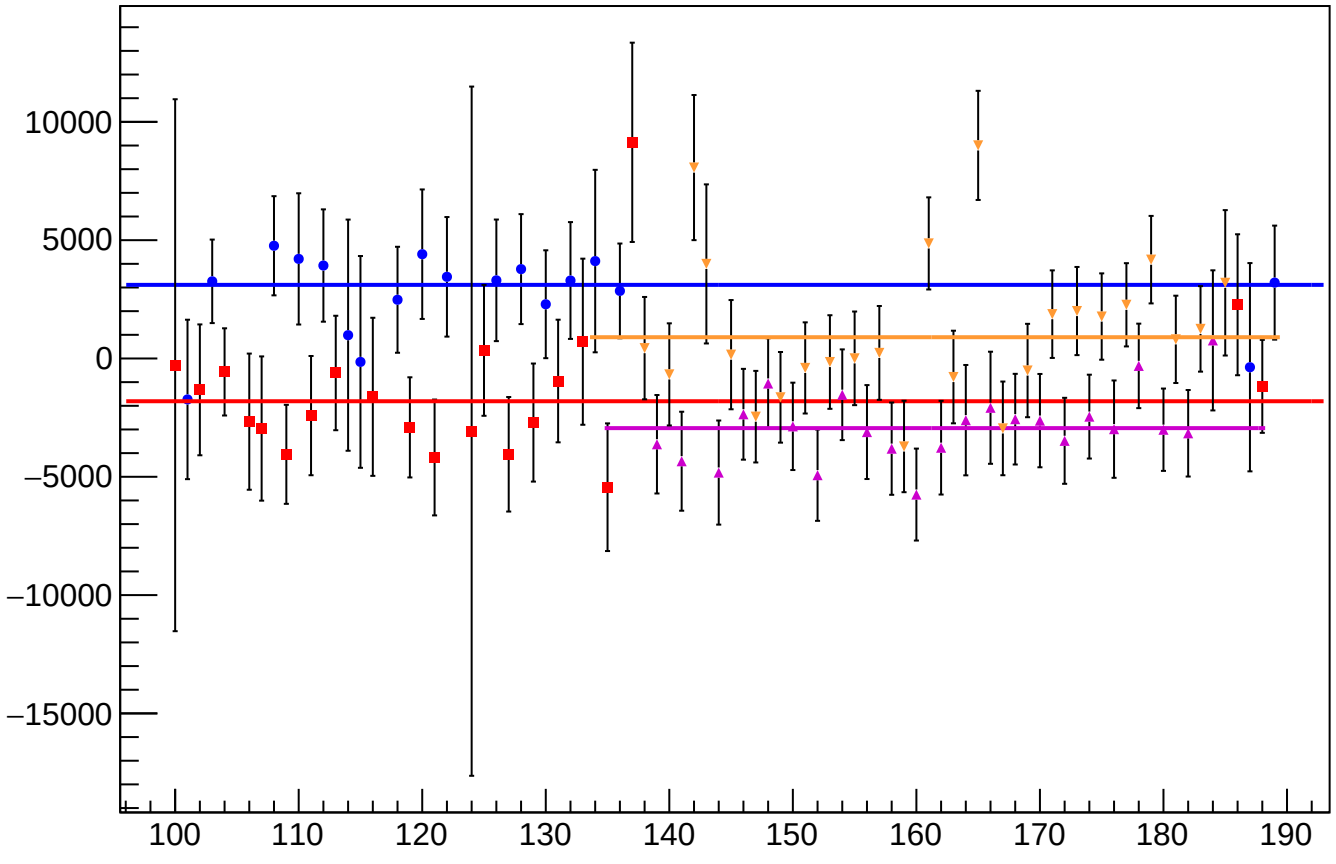
Right Out: 6531.335+/-1.664 χ^2/NDF: 1915272.0/20

Left In: 8995.626+/-1.516 χ^2/NDF:1207133.5/22

+ sign 7813.957+/-1.105 χ^2/NDF: 4060750.6/42

All: 7845.552+/-0.787 χ^2/NDF: 8383655.1/86

- sign 7878.037+/-1.120 χ^2/NDF: 4321246.4/43



Right In: 3111.275+/-601.977 χ^2/NDF: 4.9/17

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: -1806.828+/-581.167 χ^2/NDF: 16.2/20

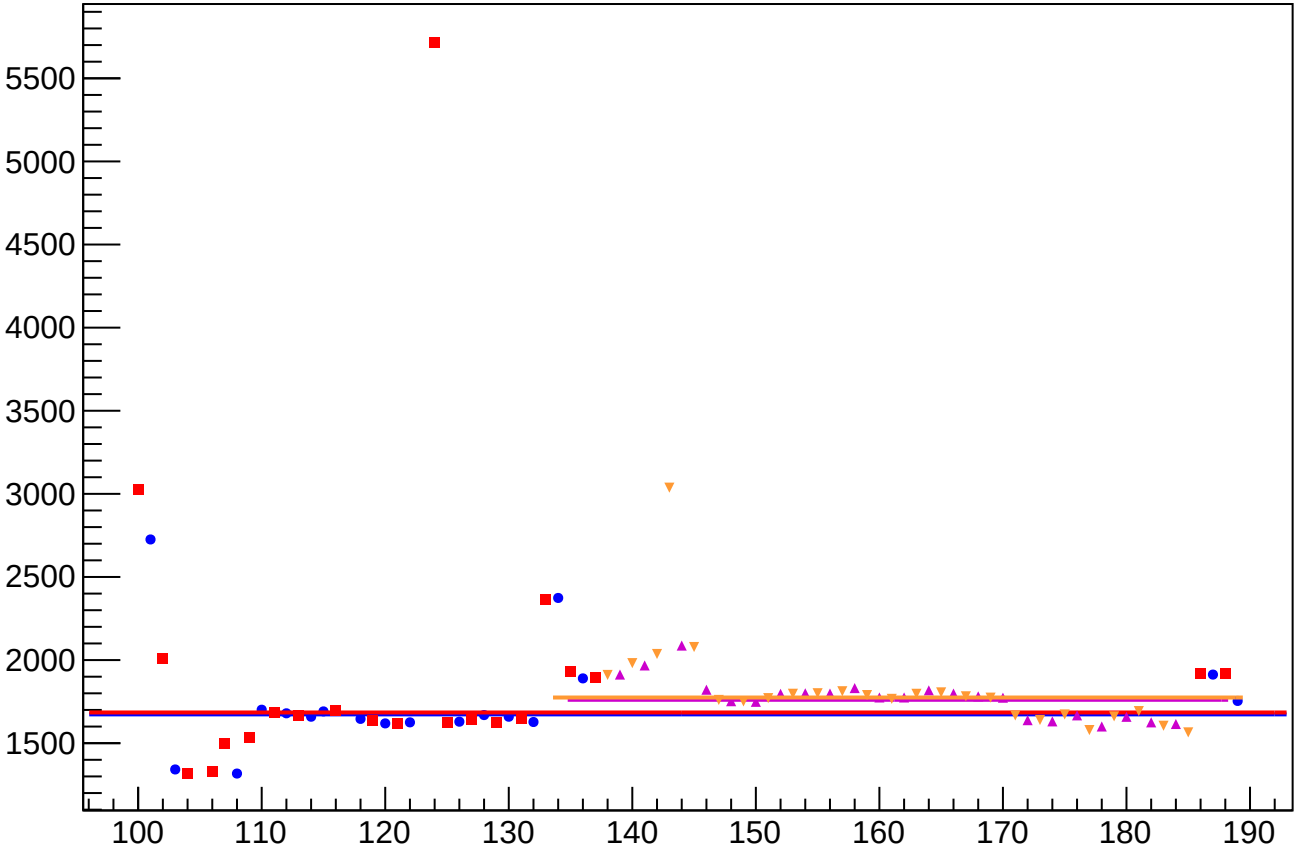
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1589.495+/-336.337 χ^2/NDF: 59.5/42

All: -487.935+/-237.759 χ^2/NDF: 165.0/86

- sign -2563.013+/-336.147 χ^2/NDF: 29.3/43

cor_asym_at2_avg_rms vs Slug



Right In: 1673.273+/-0.426 χ^2/NDF: 424352.2/17

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1684.767+/-0.411 χ^2/NDF: 478089.3/20

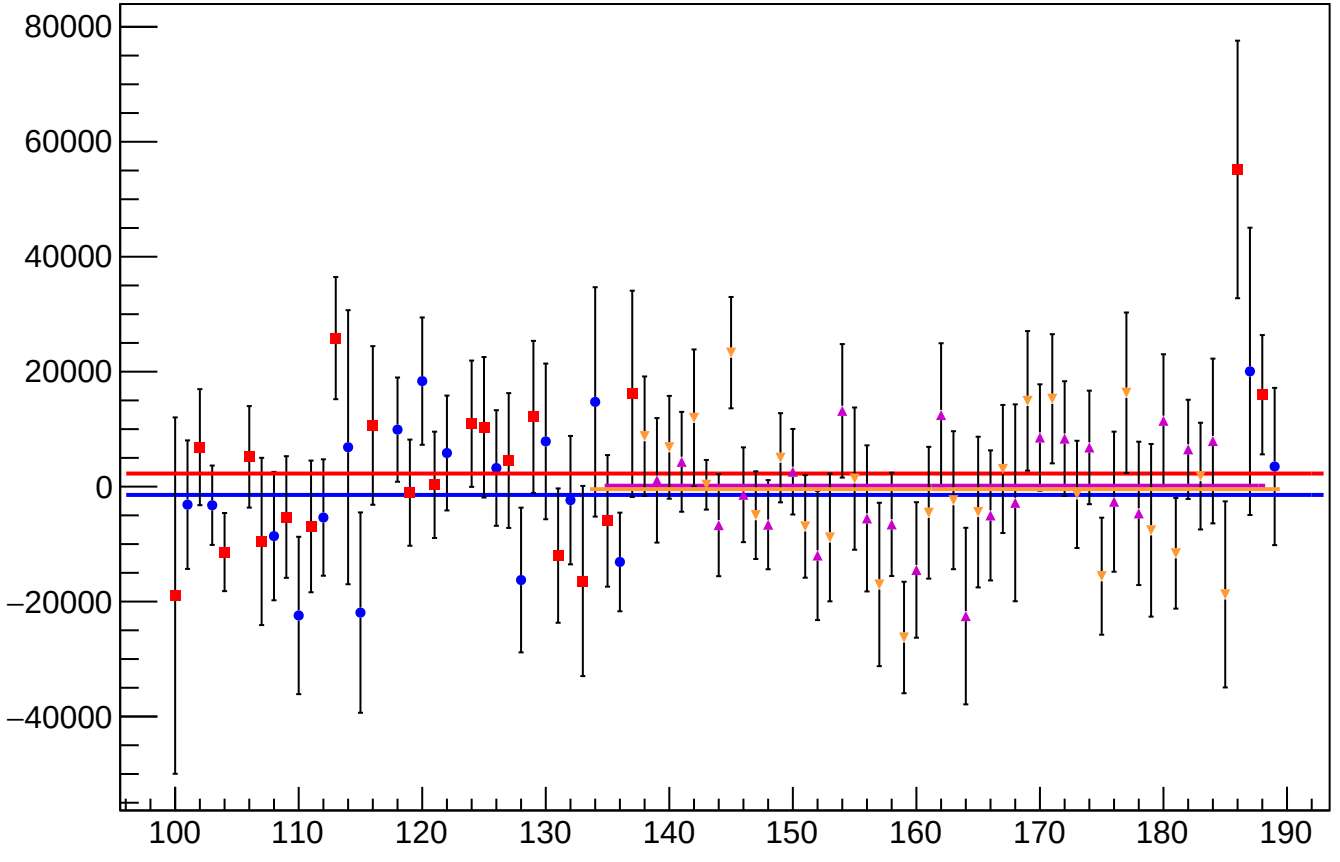
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1743.059+/-0.238 χ^2/NDF: 910325.2/42

All: 1739.305+/-0.168 χ^2/NDF: 1558131.9/86

- sign 1735.556+/-0.238 χ^2/NDF: 647308.8/43

asym_at2_avg_cor_correction_mean vs Slug



Right In: -1443.353+/-2671.191 χ^2/NDF: 15.3/17

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: 2275.947+/-2461.287 χ^2/NDF: 25.0/20

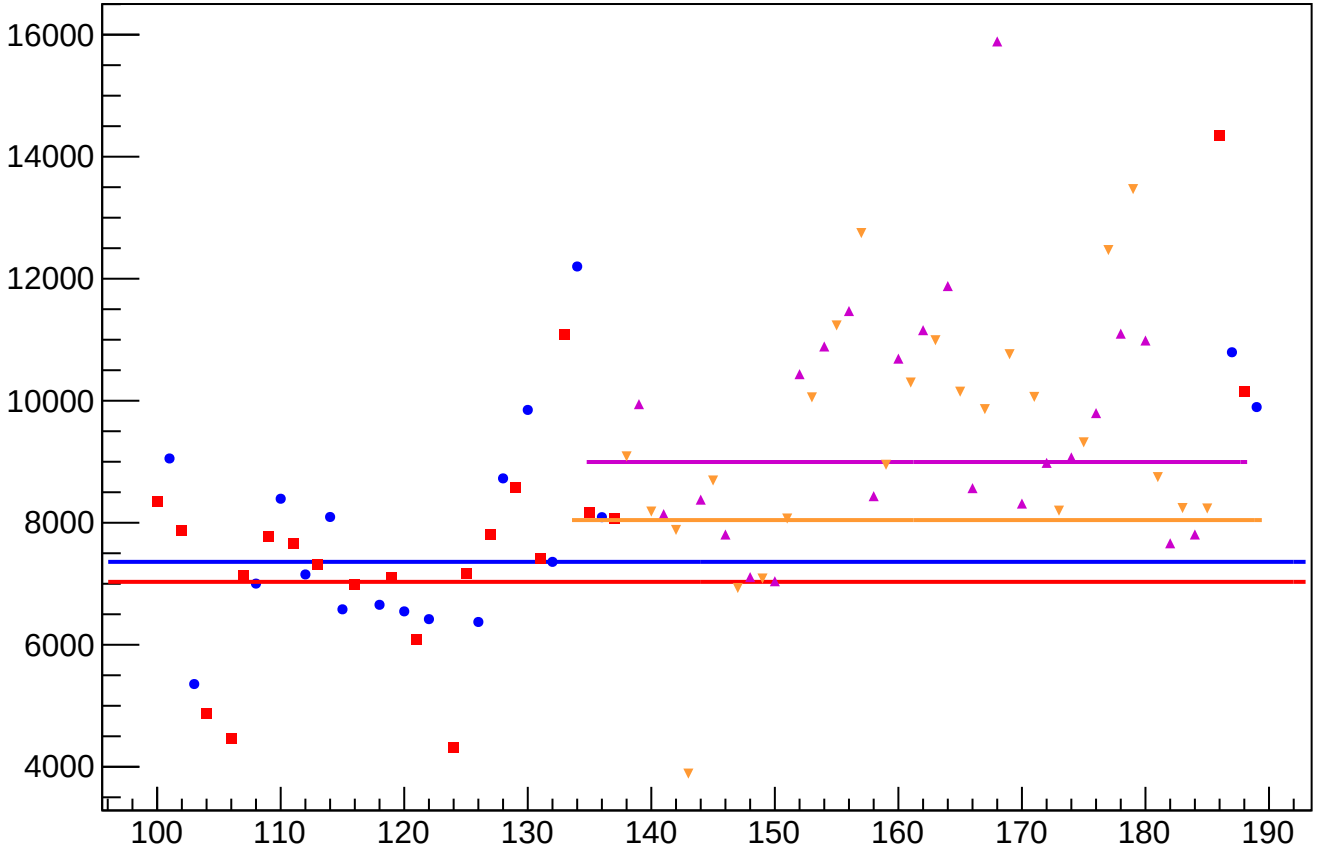
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

+ sign -785.335+/-1562.041 χ^2/NDF: 44.8/42

All: 110.555+/-1123.267 χ^2/NDF: 84.7/86

- sign 1069.925+/-1616.434 χ^2/NDF: 39.2/43

asym_at2_avg_cor_correction_rms vs Slug



Right In: 7359.127+/-1.889 χ^2/NDF: 624181.9/17

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

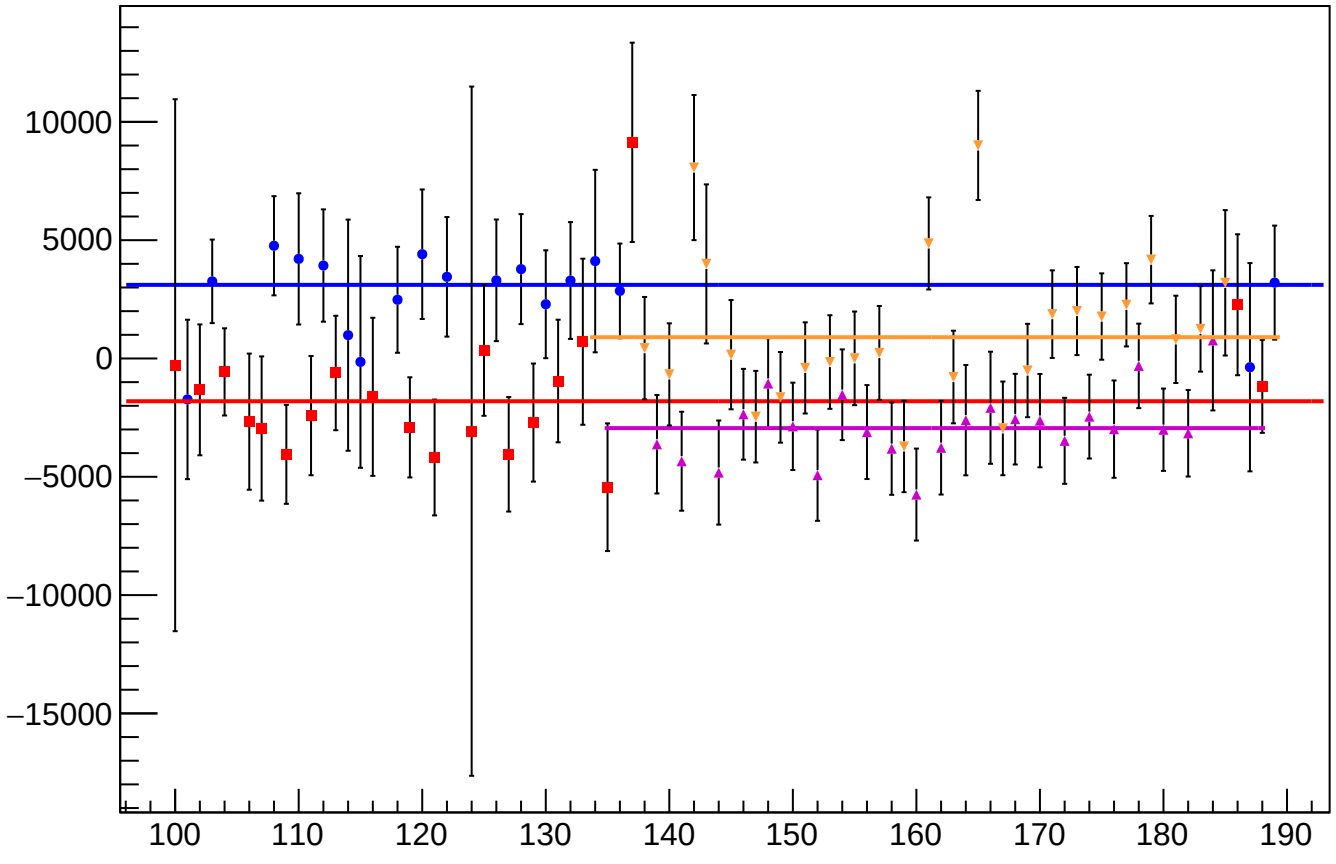
Right Out: 7031.249+/-1.740 χ^2/NDF: 1128248.1/20

Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

+ sign 7809.675+/-1.105 χ^2/NDF: 4073564.3/42

All: 7973.224+/-0.794 χ^2/NDF: 7178833.1/86

- sign 8148.361+/-1.143 χ^2/NDF: 3059865.2/43



Right In: 3111.275+/-601.977 χ^2/NDF: 4.9/17

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: -1806.828+/-581.167 χ^2/NDF: 16.2/20

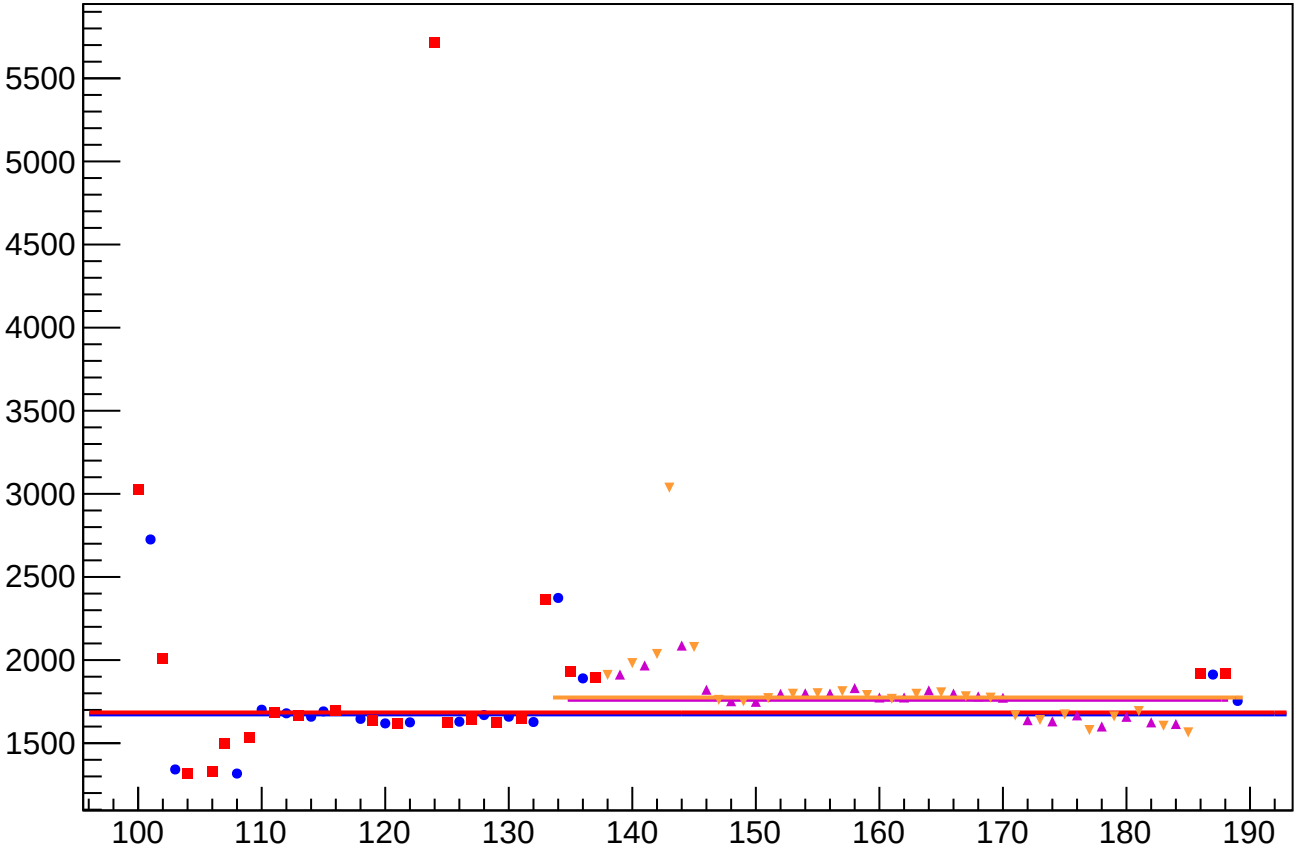
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1589.495+/-336.337 χ^2/NDF: 59.5/42

All: -487.935+/-237.759 χ^2/NDF: 165.0/86

- sign -2563.013+/-336.147 χ^2/NDF: 29.3/43

eigen_cor_asym_at2_avg_rms vs Slug



Right In: 1673.273+/-0.426 χ^2/NDF: 424352.2/17

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

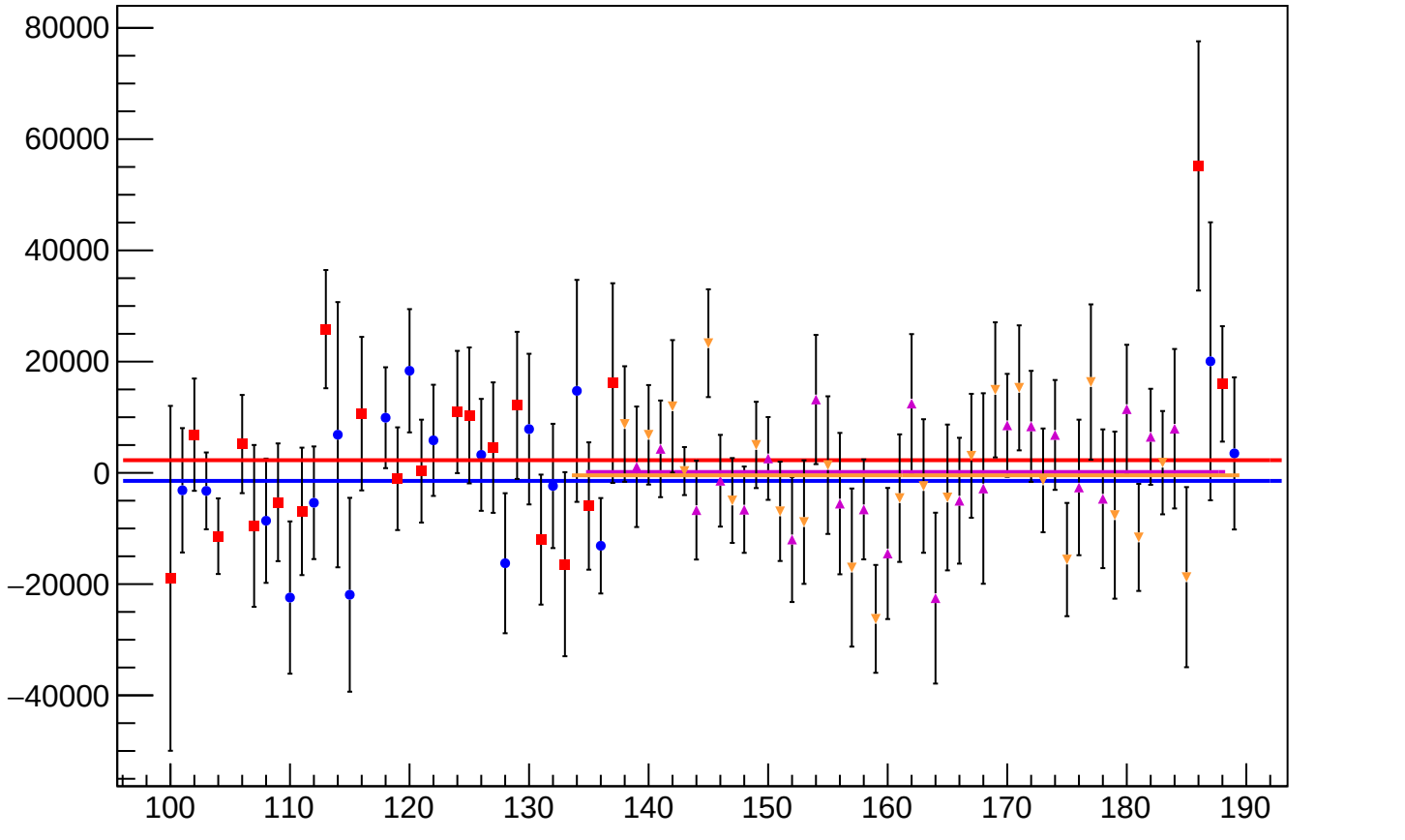
Right Out: 1684.767+/-0.411 χ^2/NDF: 478089.3/20

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1743.059+/-0.238 χ^2/NDF: 910325.2/42

All: 1739.305+/-0.168 χ^2/NDF: 1558131.9/86

- sign 1735.556+/-0.238 χ^2/NDF: 647308.8/43



Right In: -1443.353+/-2671.191 χ^2/NDF: 15.3/17

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: 2275.947+/-2461.287 χ^2/NDF: 25.0/20

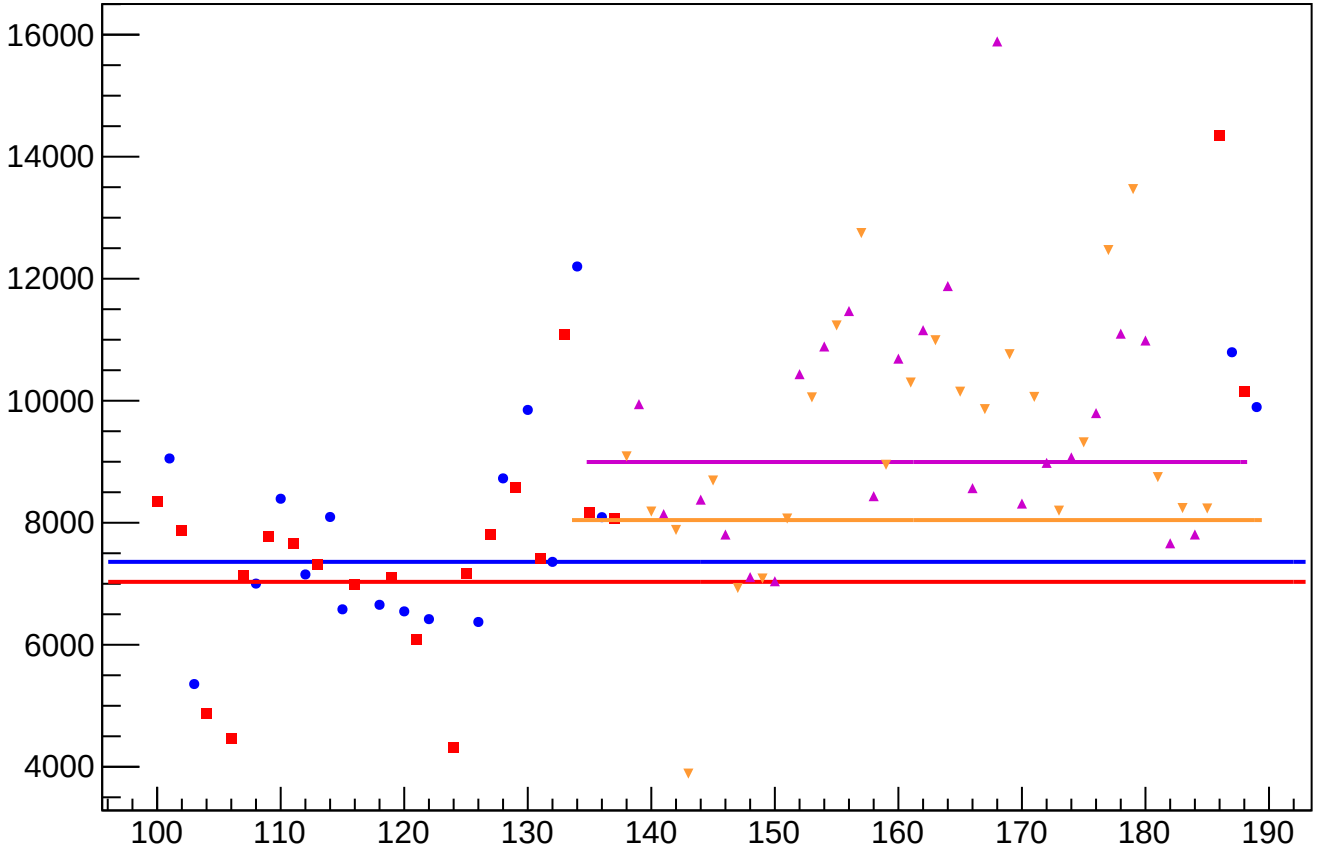
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

+ sign -785.335+/-1562.041 χ^2/NDF: 44.8/42

All: 110.555+/-1123.267 χ^2/NDF: 84.7/86

- sign 1069.925+/-1616.434 χ^2/NDF: 39.2/43

asym_at2_avg_eigen_cor_correction_rms vs Slug



Right In: 7359.127+/-1.889 χ^2/NDF: 624181.9/17

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

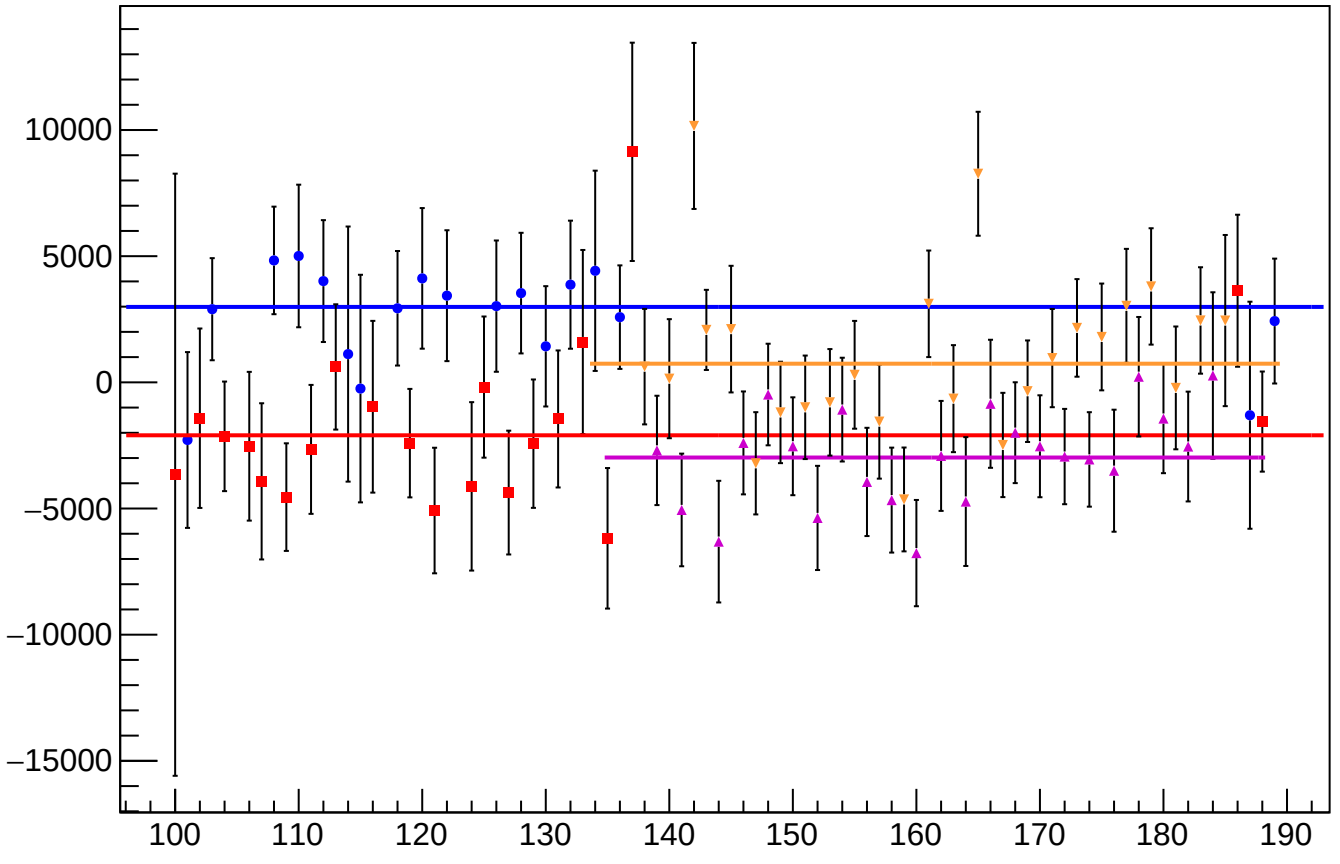
Right Out: 7031.249+/-1.740 χ^2/NDF: 1128248.1/20

Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

+ sign 7809.675+/-1.105 χ^2/NDF: 4073564.3/42

All: 7973.224+/-0.794 χ^2/NDF: 7178833.1/86

- sign 8148.361+/-1.143 χ^2/NDF: 3059865.2/43



Right In: 2989.147+/-623.605 χ^2/NDF: 6.3/17

Left Out: 739.029+/-432.878 χ^2/NDF:41.6/24

Right Out: -2098.250+/-596.206 χ^2/NDF: 19.9/20

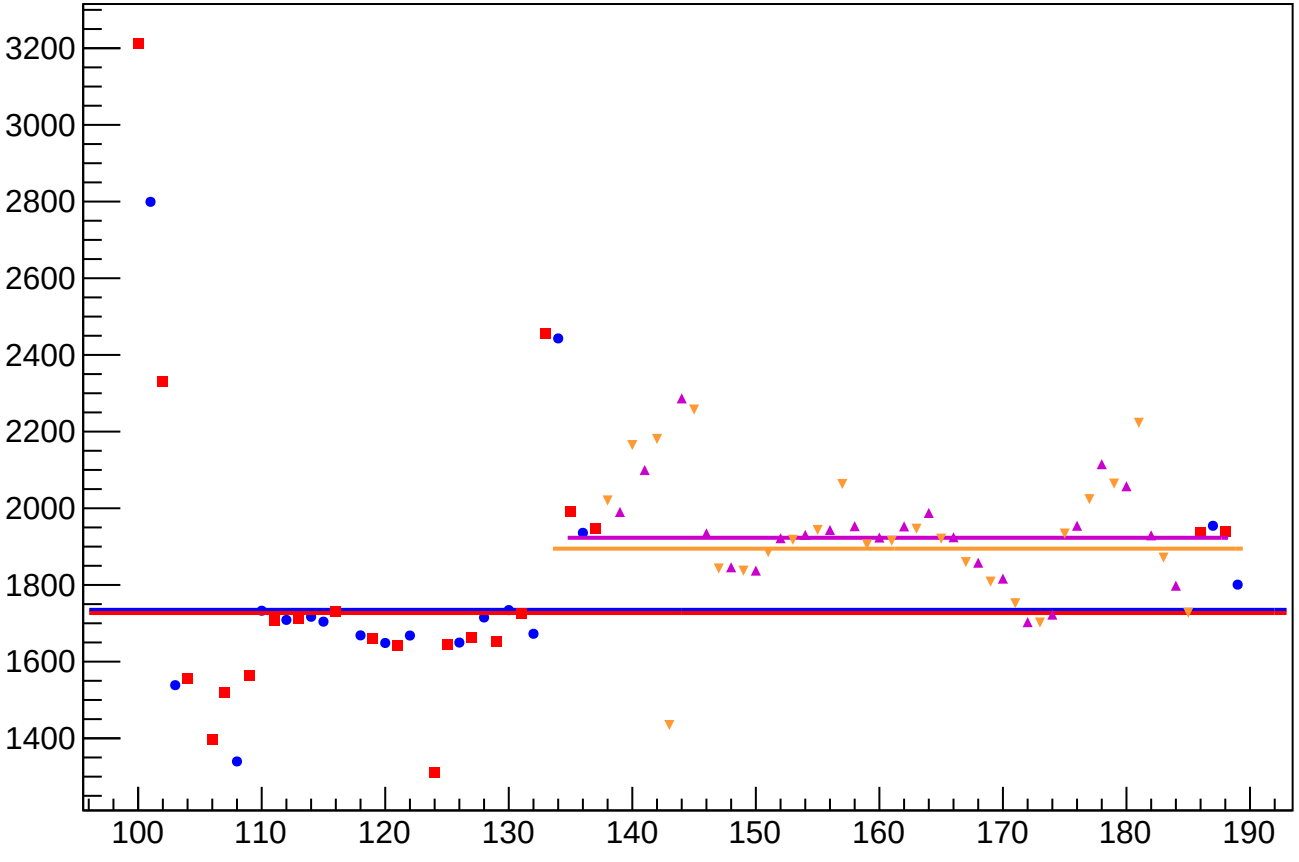
Left In: -2979.225+/-450.334 χ^2/NDF:15.6/22

+ sign 1470.696+/-355.601 χ^2/NDF: 56.7/42

All: -572.621+/-252.761 χ^2/NDF: 160.4/86

- sign -2659.191+/-359.345 χ^2/NDF: 36.9/43

dit_asym_at2_avg_rms vs Slug



Right In: 1735.058+/-0.441 χ^2/NDF: 372198.1/17

Left Out: 1894.684+/-0.306 χ^2/NDF:368587.1/24

Right Out: 1726.791+/-0.421 χ^2/NDF: 322972.6/20

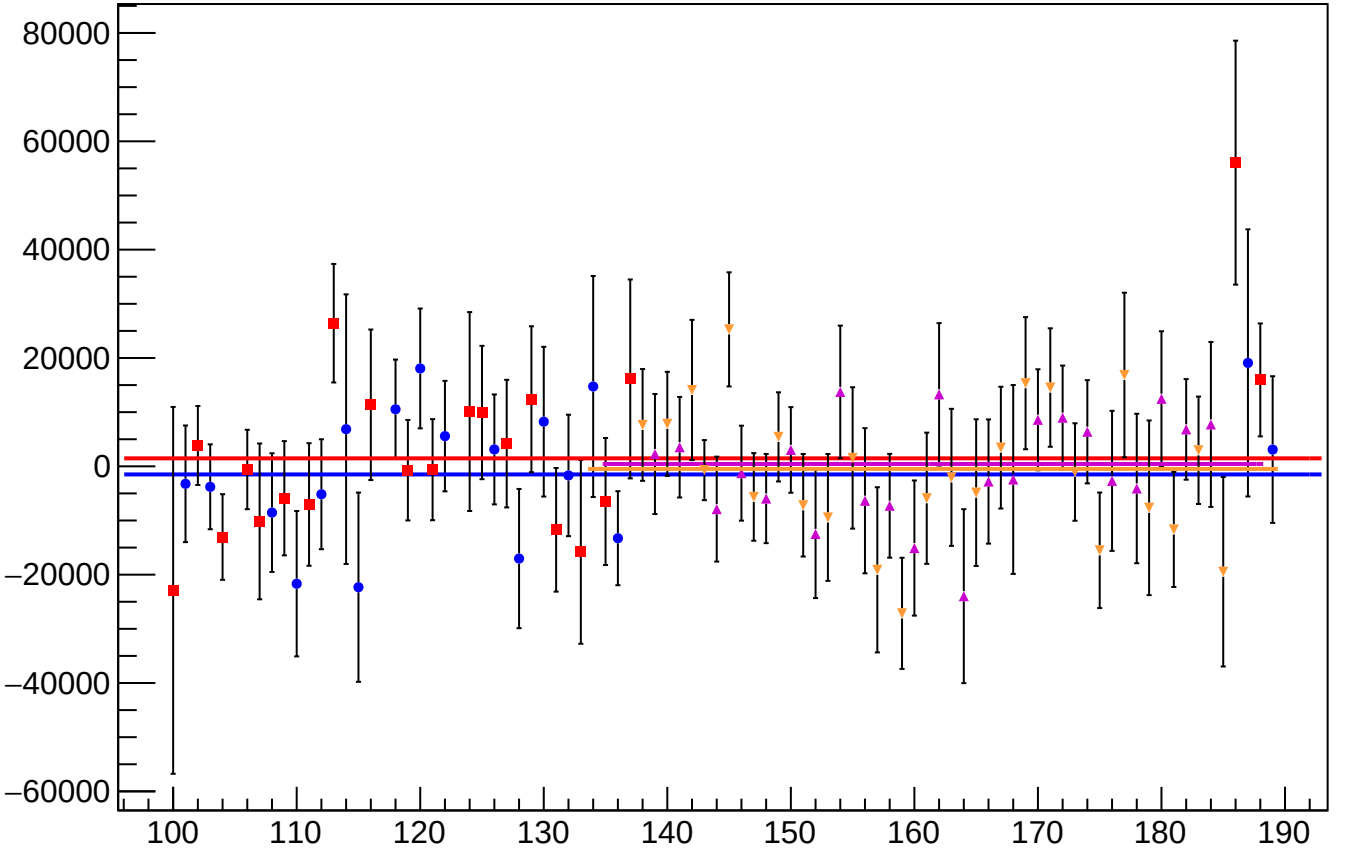
Left In: 1923.038+/-0.318 χ^2/NDF:150977.3/22

+ sign 1842.779+/-0.251 χ^2/NDF: 829218.7/42

All: 1847.202+/-0.179 χ^2/NDF: 1441825.0/86

- sign 1851.718+/-0.254 χ^2/NDF: 611980.9/43

asym_at2_avg_dit_correction_mean vs Slug



Right In: -1497.403+/-2723.632 χ^2/NDF: 15.2/17

Left Out: -479.338+/-2089.235 χ^2/NDF:28.8/24

Right Out: 1473.176+/-2443.674 χ^2/NDF: 24.3/20

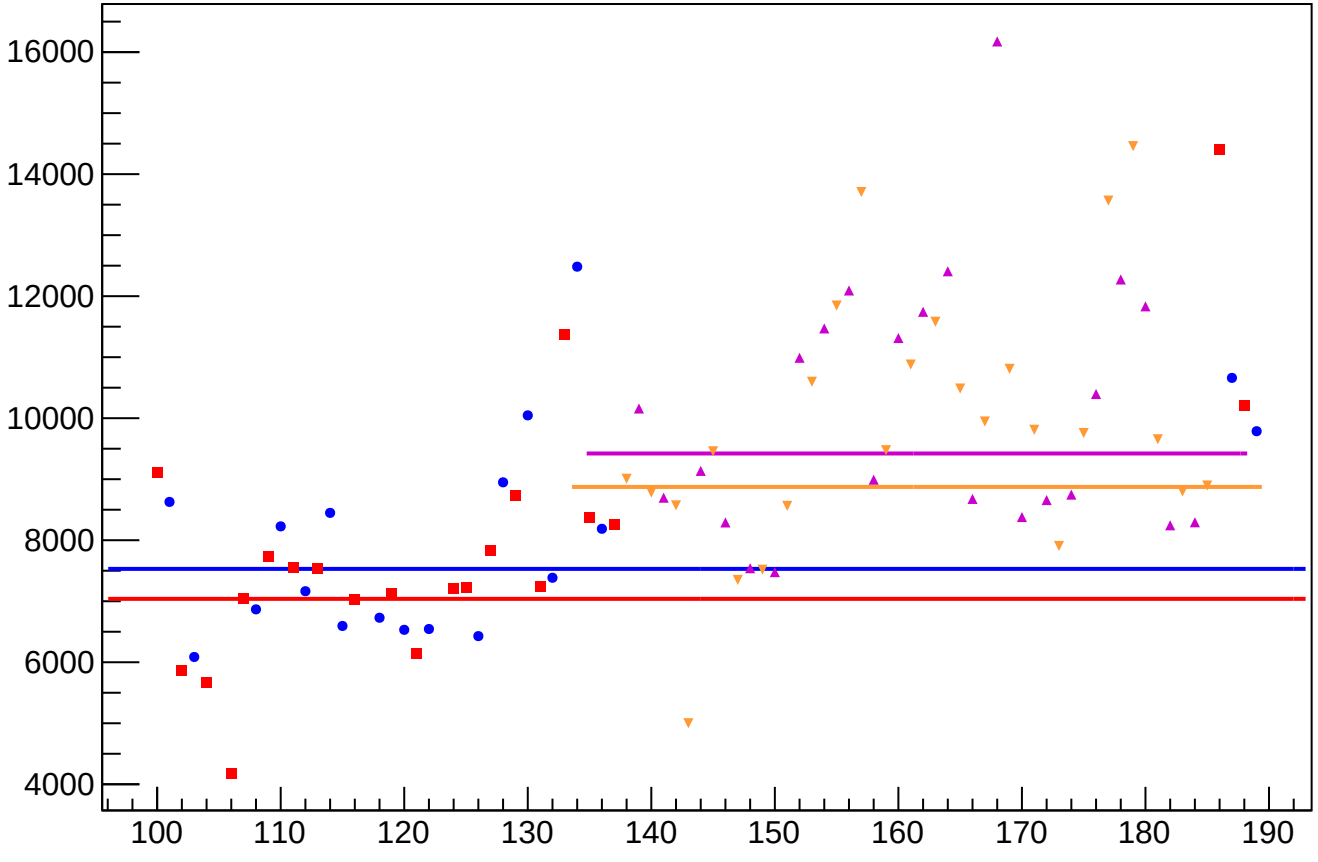
Left In: 436.717+/-2245.180 χ^2/NDF:13.6/22

+ sign -856.468+/-1657.702 χ^2/NDF: 44.1/42

All: 29.685+/-1170.616 χ^2/NDF: 82.6/86

- sign 911.148+/-1653.308 χ^2/NDF: 37.9/43

asym_at2_avg_dit_correction_rms vs Slug



Right In: 7530.310+/-1.926 χ^2/NDF: 494373.4/17

Left Out: 8873.592+/-1.477 χ^2/NDF:2203249.6/24

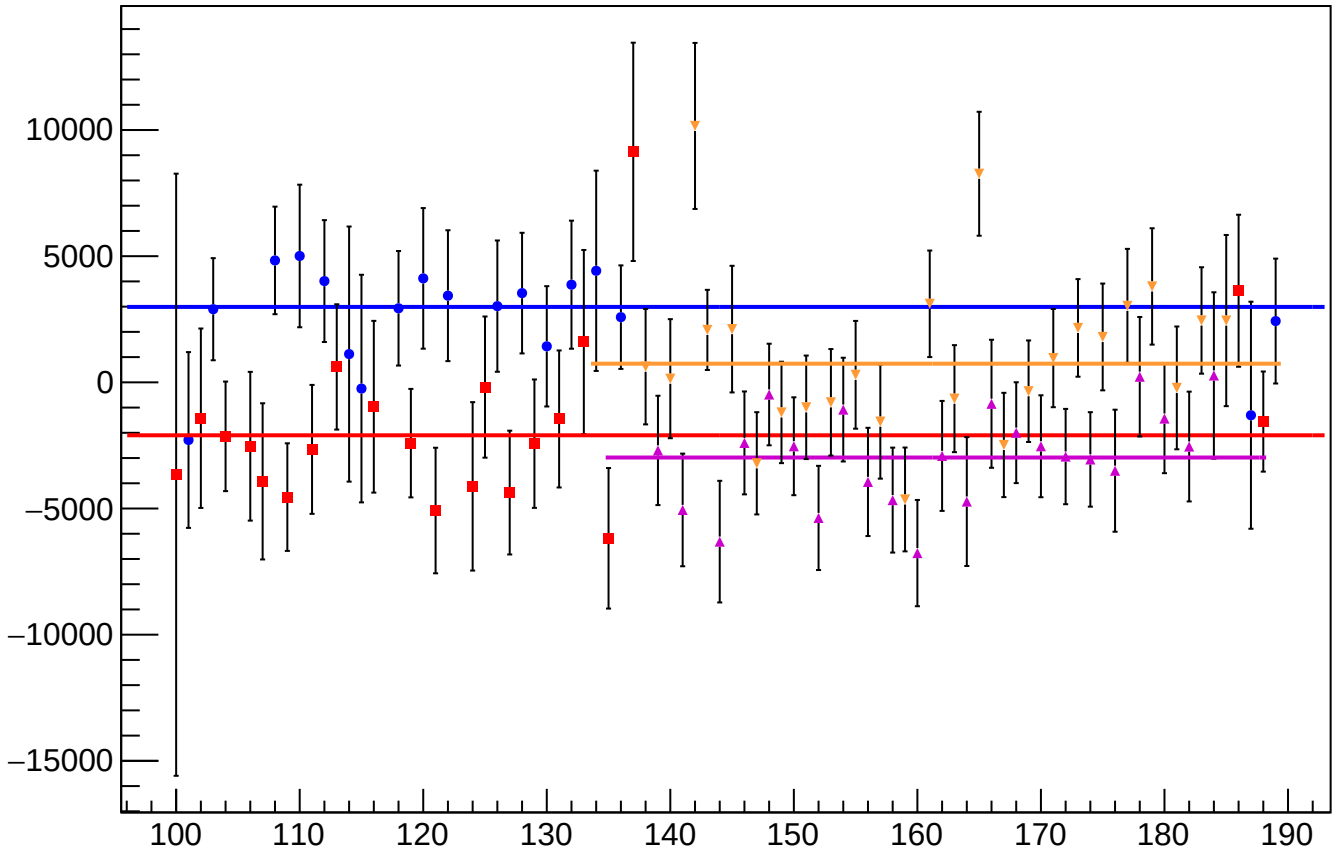
Right Out: 7039.125+/-1.728 χ^2/NDF: 1068107.9/20

Left In: 9421.708+/-1.588 χ^2/NDF:1204848.0/22

+ sign 8375.989+/-1.172 χ^2/NDF: 3003894.0/42

All: 8353.484+/-0.828 χ^2/NDF: 6308553.1/86

- sign 8331.098+/-1.169 χ^2/NDF: 3303923.7/43



Right In: 2989.149+/-623.605 χ^2/NDF: 6.3/17

Left Out: 739.018+/-432.879 χ^2/NDF:41.6/24

Right Out: -2098.259+/-596.206 χ^2/NDF: 19.9/20

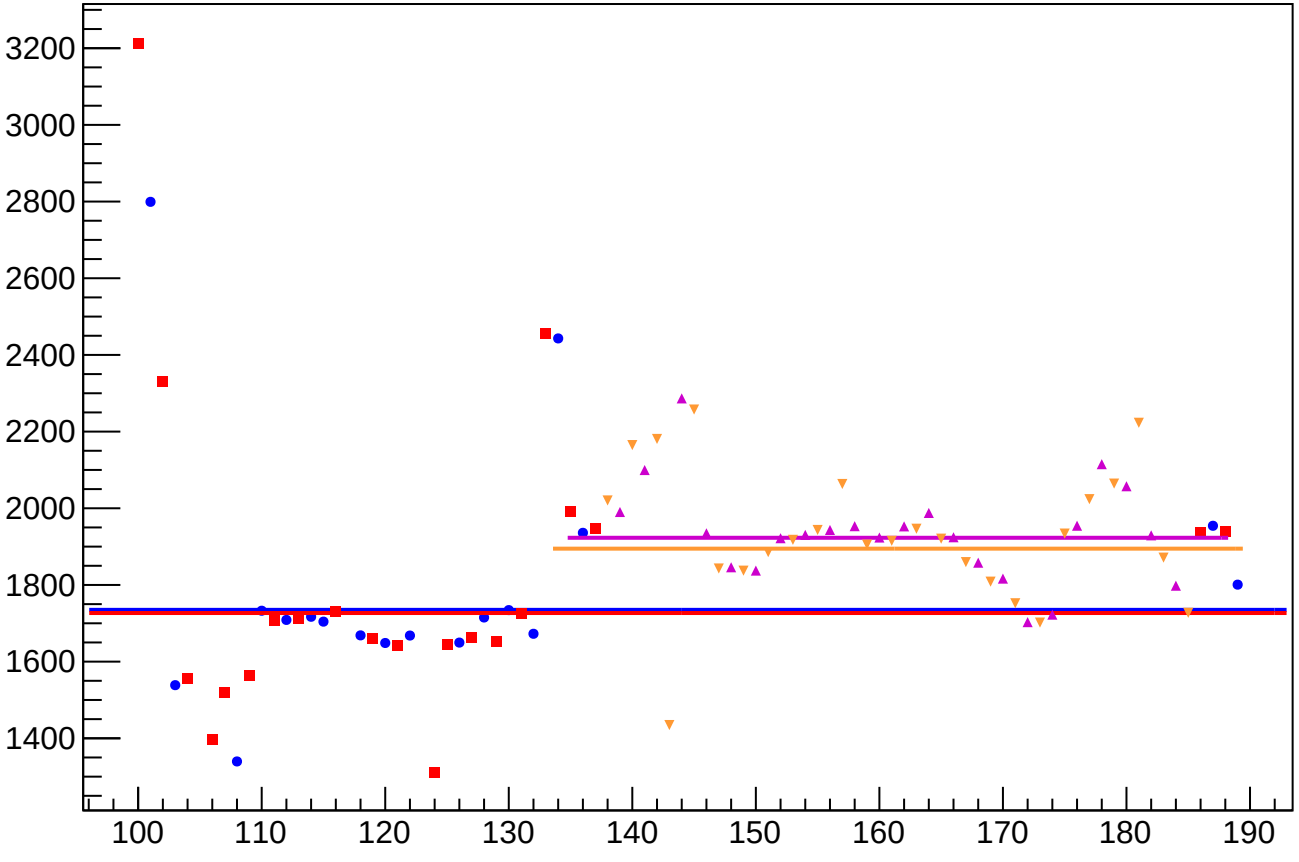
Left In: -2979.226+/-450.335 χ^2/NDF:15.6/22

+ sign 1470.691+/-355.602 χ^2/NDF: 56.7/42

All: -572.624+/-252.762 χ^2/NDF: 160.4/86

- sign -2659.195+/-359.346 χ^2/NDF: 36.9/43

eigen_dit_asym_at2_avg_rms vs Slug



Right In: 1735.057+/-0.441 χ^2/NDF: 372198.1/17

Left Out: 1894.687+/-0.306 χ^2/NDF:368594.6/24

Right Out: 1726.791+/-0.421 χ^2/NDF: 322972.8/20

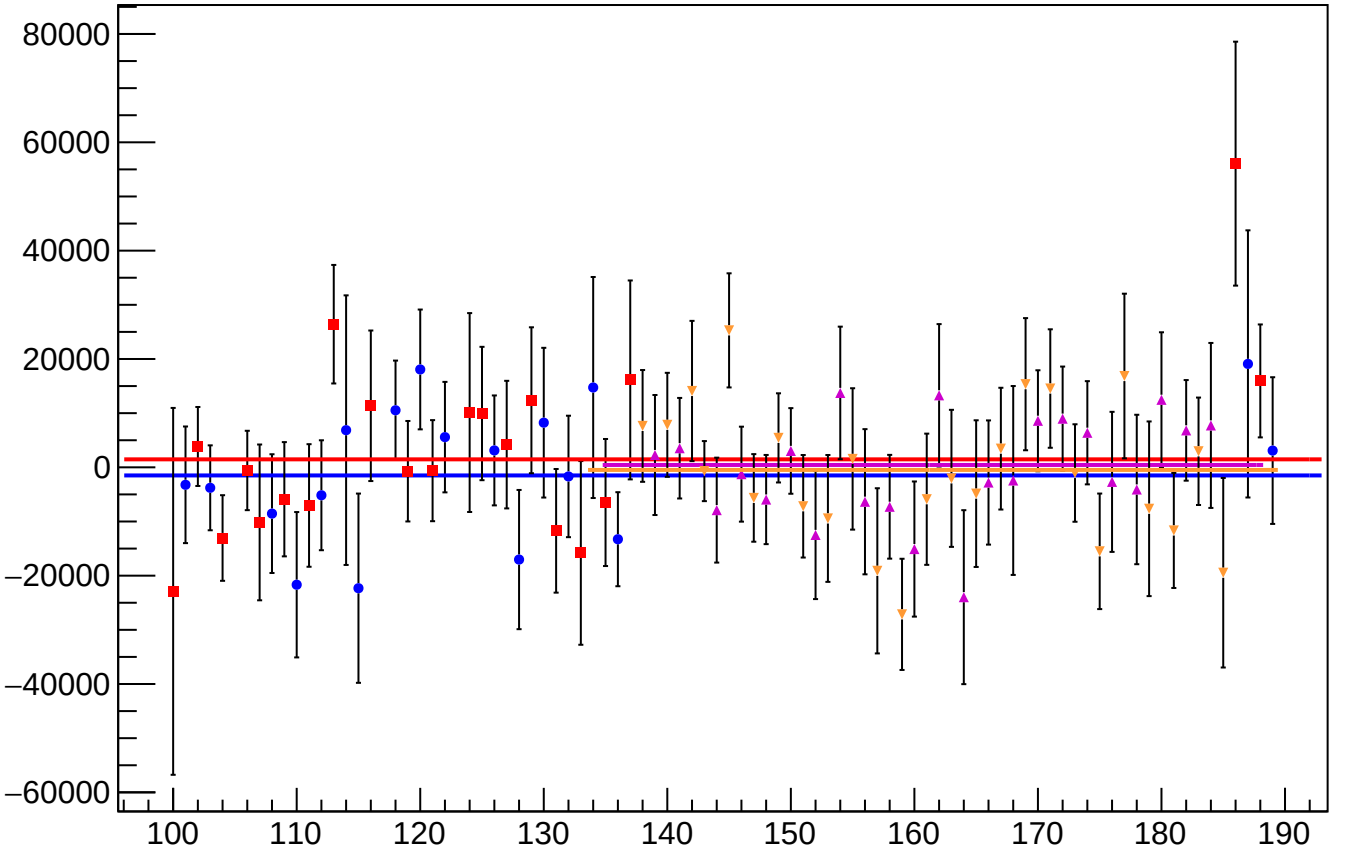
Left In: 1923.042+/-0.318 χ^2/NDF:150984.8/22

+ sign 1842.781+/-0.251 χ^2/NDF: 829230.3/42

All: 1847.204+/-0.179 χ^2/NDF: 1441849.3/86

- sign 1851.720+/-0.254 χ^2/NDF: 611993.5/43

asym_at2_avg_eigen_dit_correction_mean vs Slug



Right In: -1497.385+/-2723.626 χ^2/NDF: 15.2/17

Left Out: -479.345+/-2089.238 χ^2/NDF:28.8/24

Right Out: 1473.164+/-2443.669 χ^2/NDF: 24.3/20

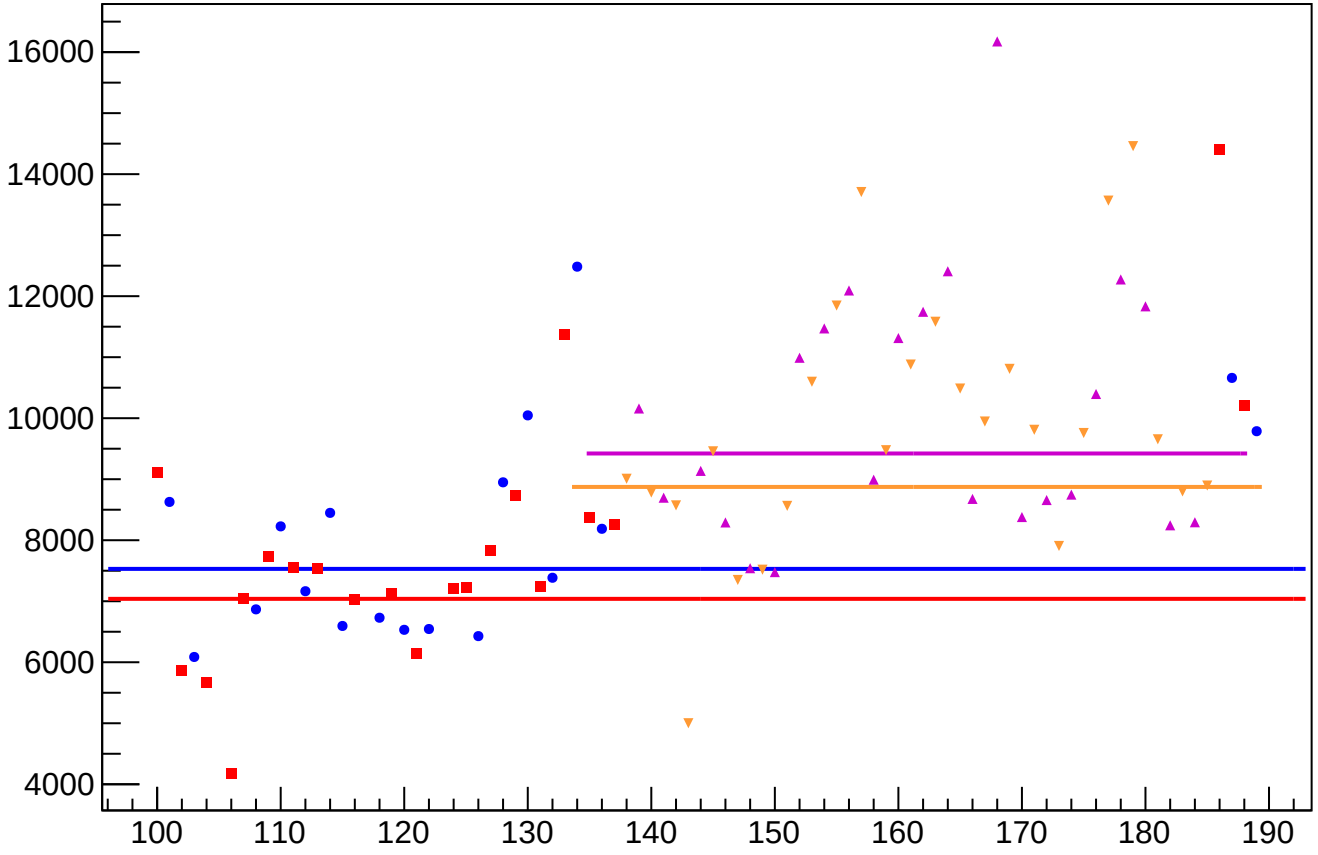
Left In: 436.720+/-2245.183 χ^2/NDF:13.6/22

\+ sign -856.468+/-1657.702 χ^2/NDF: 44.1/42

All: 29.685+/-1170.616 χ^2/NDF: 82.6/86

\- sign 911.146+/-1653.308 χ^2/NDF: 37.9/43

asym_at2_avg_eigen_dit_correction_rms vs Slug



Right In: 7530.294+/-1.926 χ^2/NDF: 494377.7/17

Left Out: 8873.607+/-1.477 χ^2/NDF:2203251.2/24

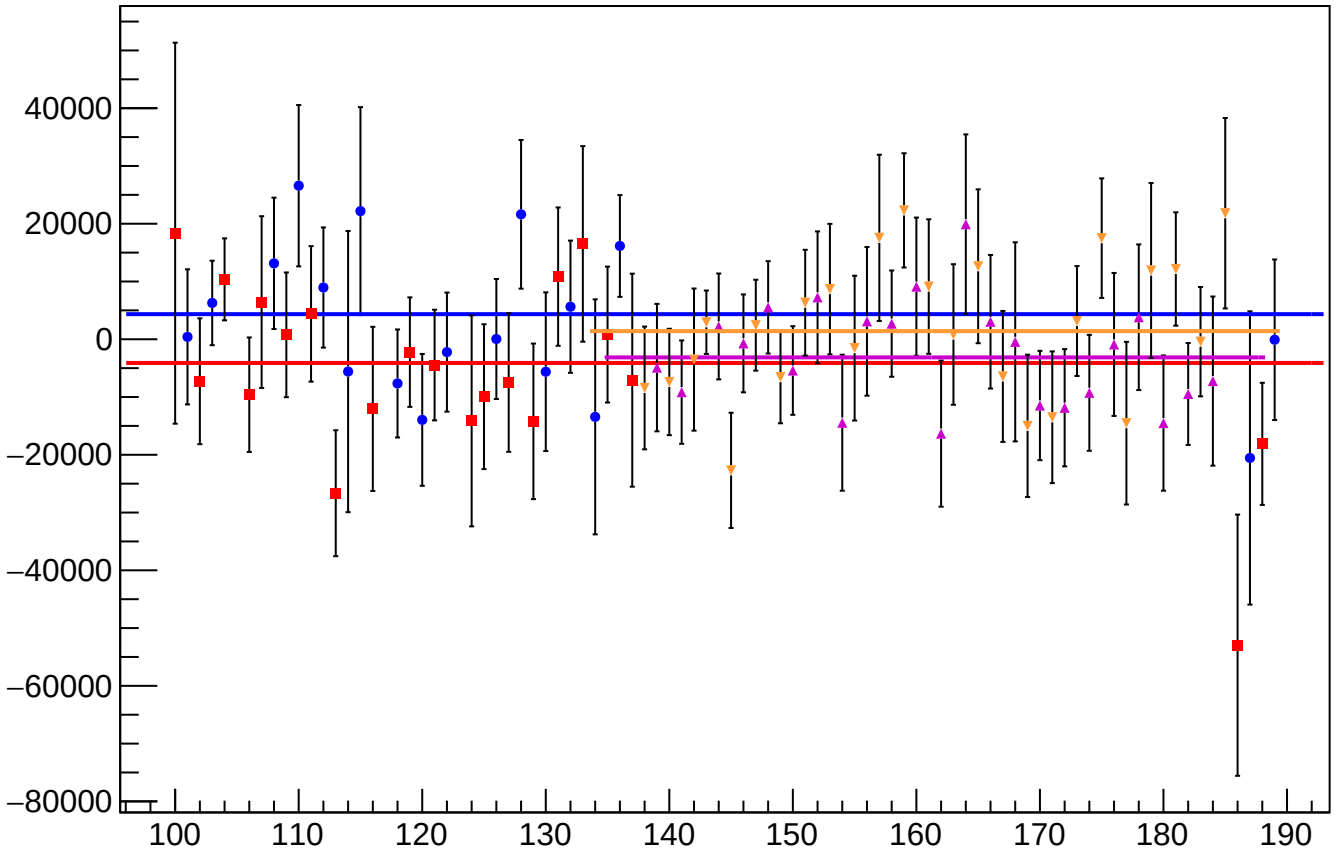
Right Out: 7039.111+/-1.728 χ^2/NDF: 1068110.3/20

Left In: 9421.722+/-1.588 χ^2/NDF:1204851.9/22

+ sign 8375.990+/-1.172 χ^2/NDF: 3003914.4/42

All: 8353.483+/-0.828 χ^2/NDF: 6308605.1/86

- sign 8331.095+/-1.169 χ^2/NDF: 3303955.2/43



Right In: 4345.301+/-2755.713 χ^2/NDF: 15.4/17

Left Out: 1408.316+/-2039.907 χ^2/NDF:27.4/24

Right Out: -4101.070+/-2594.673 χ^2/NDF: 21.7/20

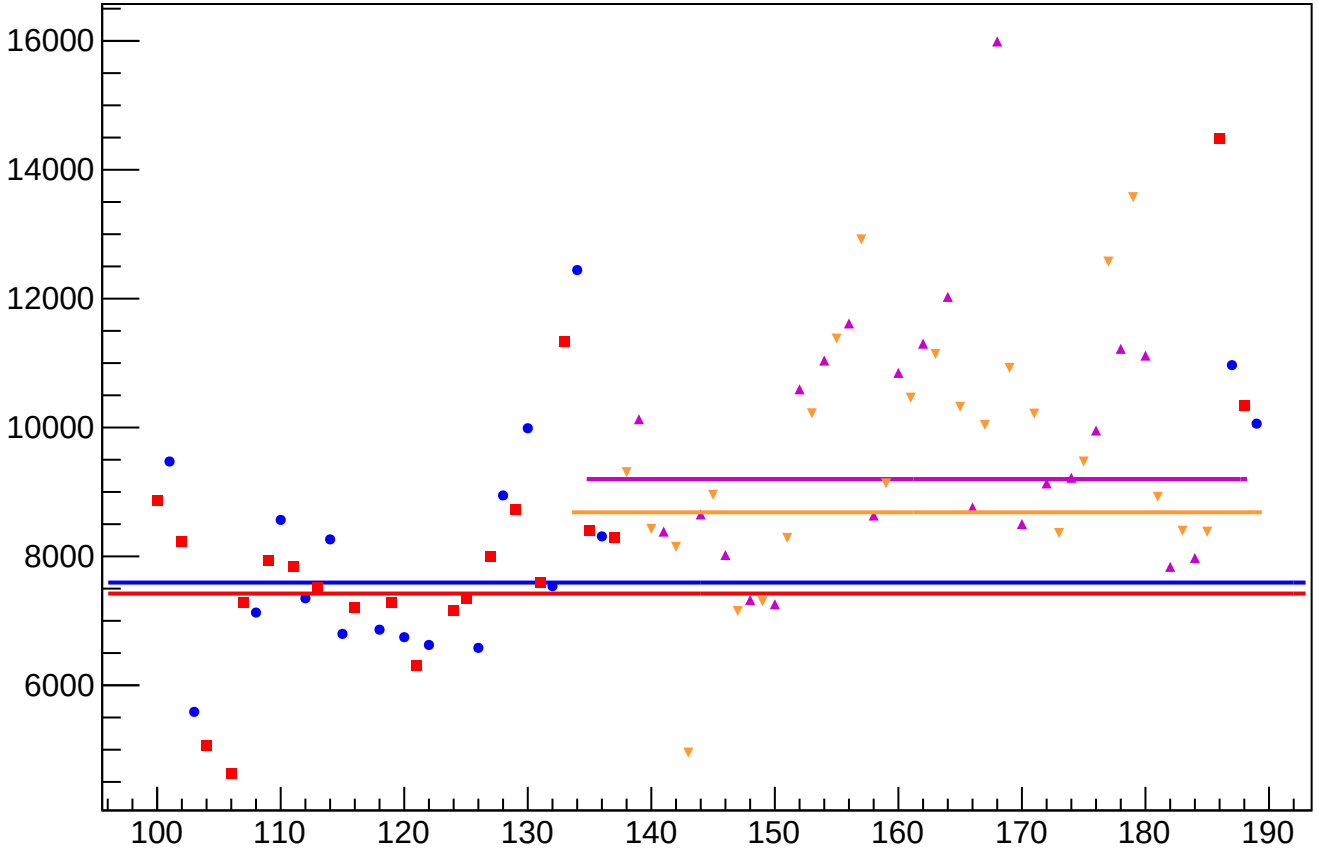
Left In: -3139.264+/-2189.465 χ^2/NDF:13.0/22

+ sign 2447.981+/-1639.570 χ^2/NDF: 43.6/42

All: -484.657+/-1171.102 χ^2/NDF: 84.9/86

- sign -3539.284+/-1673.323 χ^2/NDF: 34.7/43

asym_at2_avg_rms vs Slug



Right In: 7594.027+/-1.949 χ^2/NDF: 589901.9/17

Left Out: 8684.549+/-1.442 χ^2/NDF:2051622.3/24

Right Out: 7423.515+/-1.835 χ^2/NDF: 928080.9/20

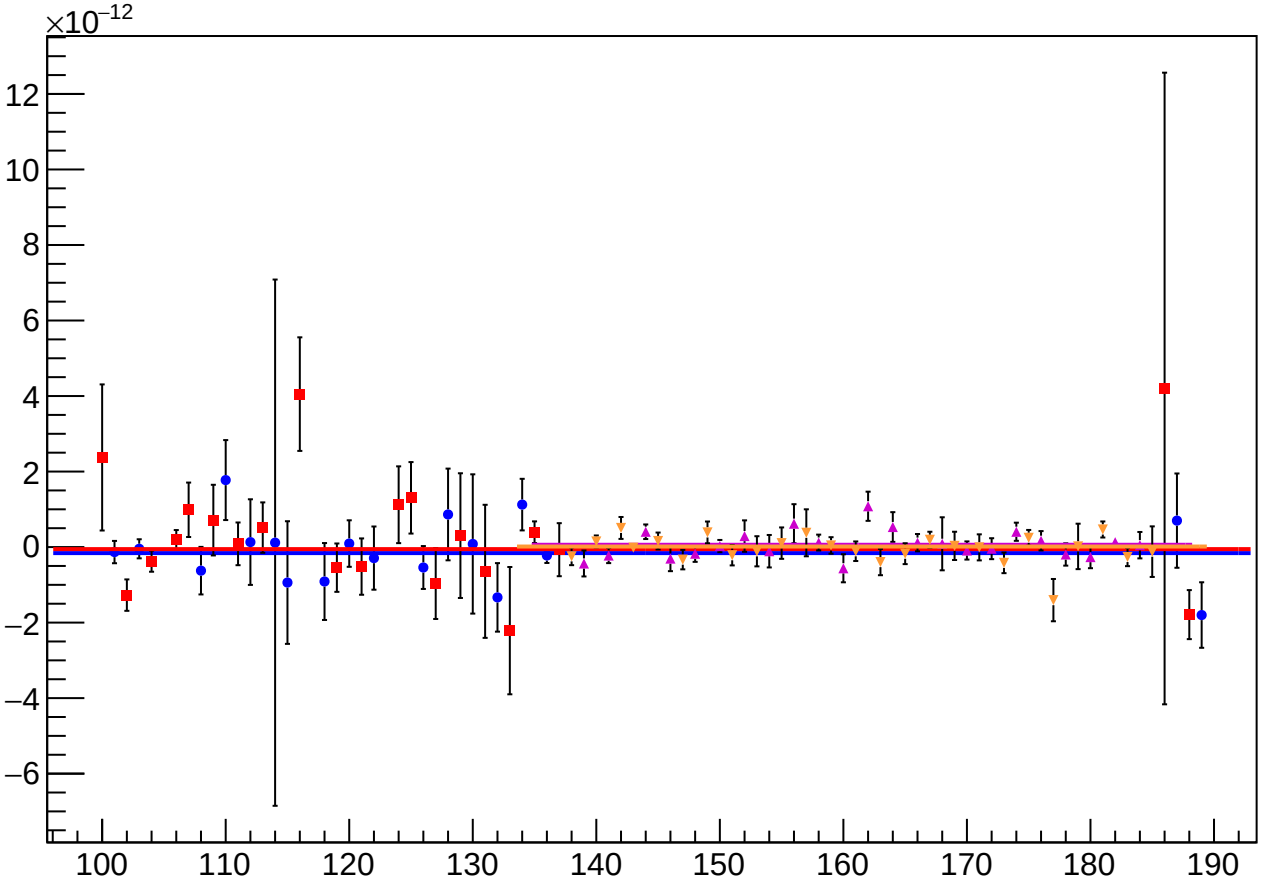
Left In: 9200.796+/-1.548 χ^2/NDF:1129421.3/22

+ sign 8298.510+/-1.159 χ^2/NDF: 2843860.6/42

All: 8378.376+/-0.828 χ^2/NDF: 5459193.4/86

- sign 8461.560+/-1.183 χ^2/NDF: 2605644.4/43

asym_at2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 40.4/20

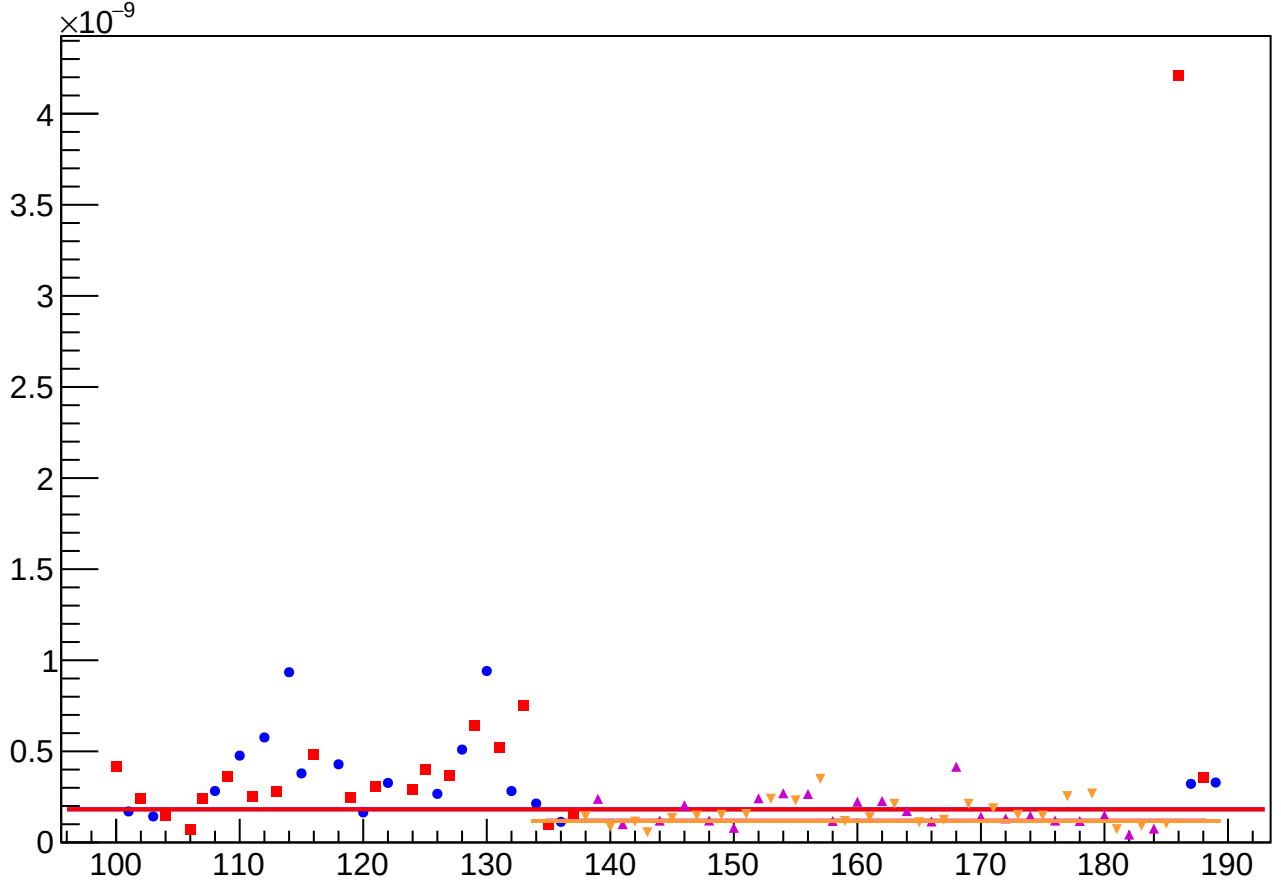
Left In: 0.000+/-0.000 χ^2/NDF:27.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 46.4/42

All: 0.000+/-0.000 χ^2/NDF: 116.0/86

- sign 0.000+/-0.000 χ^2/NDF: 68.9/43

asym_at2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1615147.5/17

Left Out: 0.000+/-0.000 χ^2/NDF:2335885.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2255039.2/20

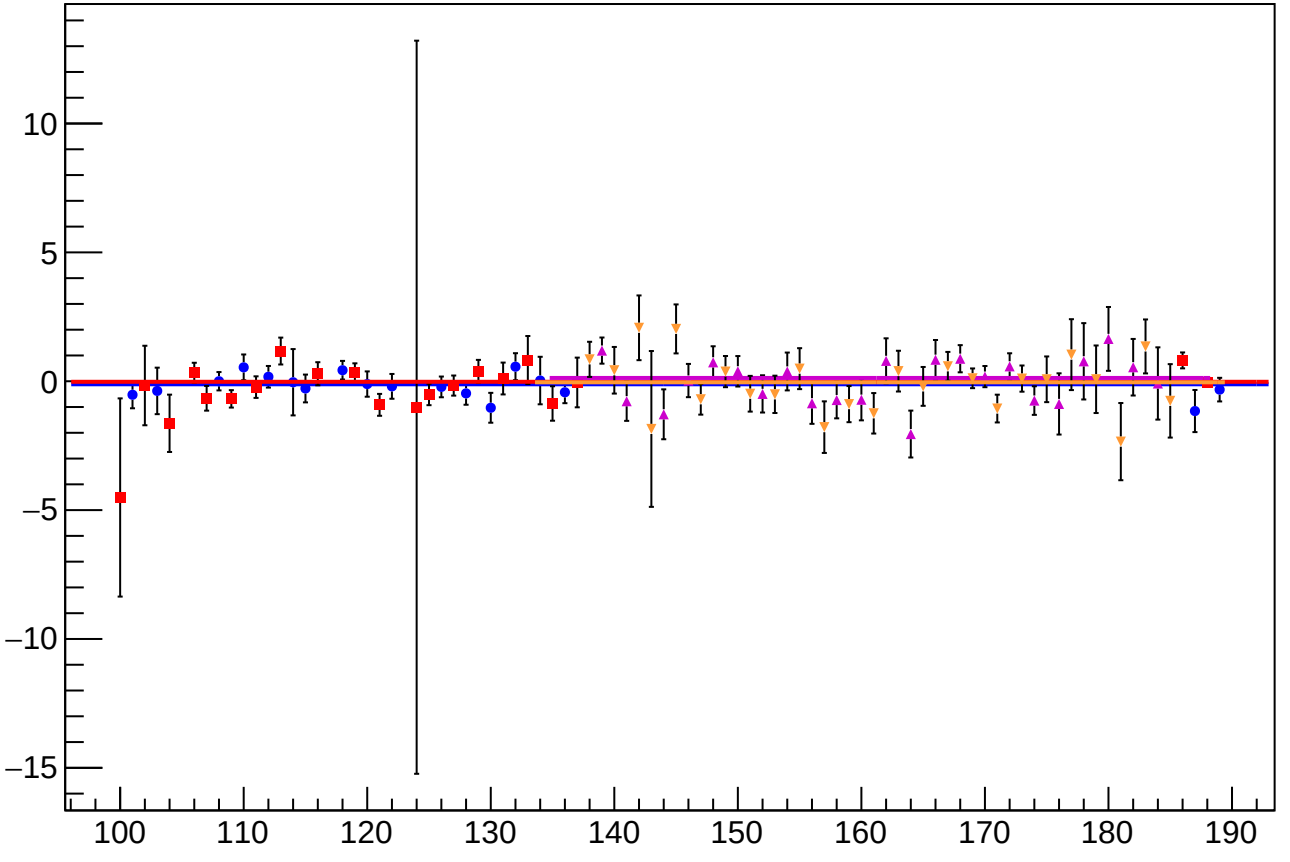
Left In: 0.000+/-0.000 χ^2/NDF:2660632.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 4452030.8/42

All: 0.000+/-0.000 χ^2/NDF: 9811870.2/86

- sign 0.000+/-0.000 χ^2/NDF: 5357104.3/43

asym_at2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.118+/-0.117 χ^2/NDF: 12.7/17

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.021+/-0.094 χ^2/NDF: 33.3/20

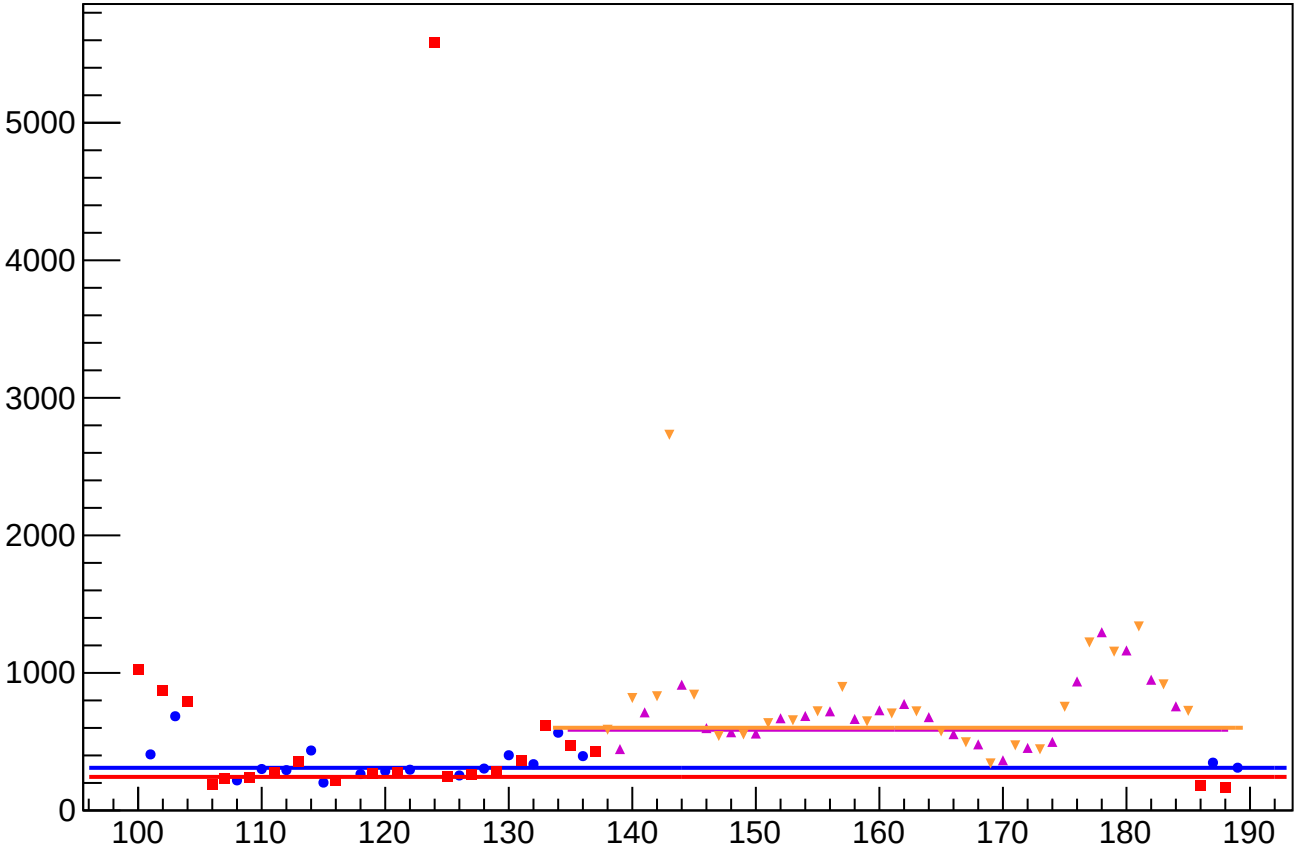
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.088+/-0.091 χ^2/NDF: 43.0/42

All: -0.024+/-0.060 χ^2/NDF: 106.9/86

- sign 0.023+/-0.079 χ^2/NDF: 63.1/43

asym_at2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 309.994+/-0.082 χ^2/NDF: 1018967.5/17

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

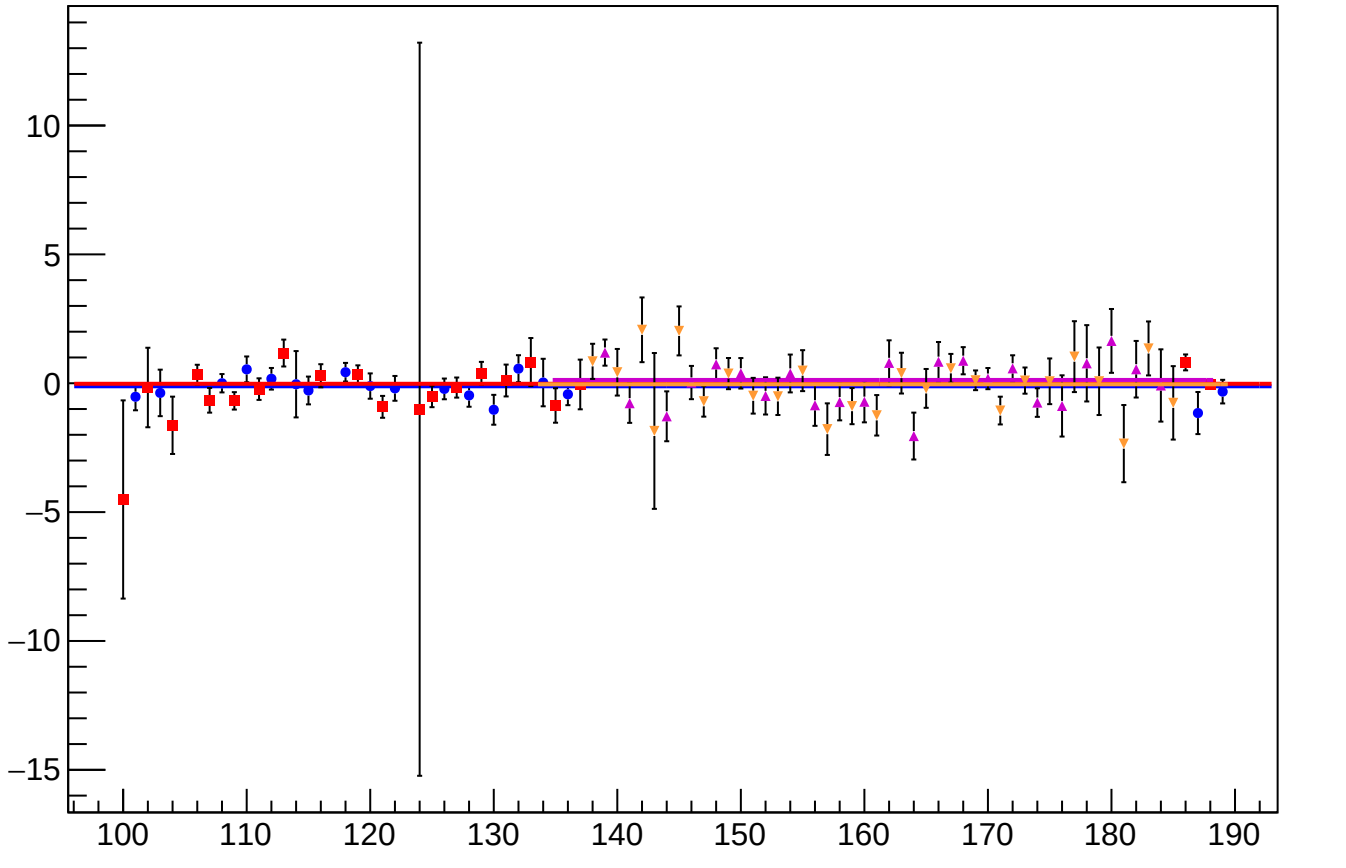
Right Out: 243.918+/-0.066 χ^2/NDF: 2524526.7/20

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 421.935+/-0.065 χ^2/NDF: 10277857.3/42

All: 377.644+/-0.042 χ^2/NDF: 24426231.4/86

- sign 344.802+/-0.056 χ^2/NDF: 13331544.3/43



Right In: -0.118+/-0.117 χ^2/NDF: 12.7/17

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.021+/-0.094 χ^2/NDF: 33.3/20

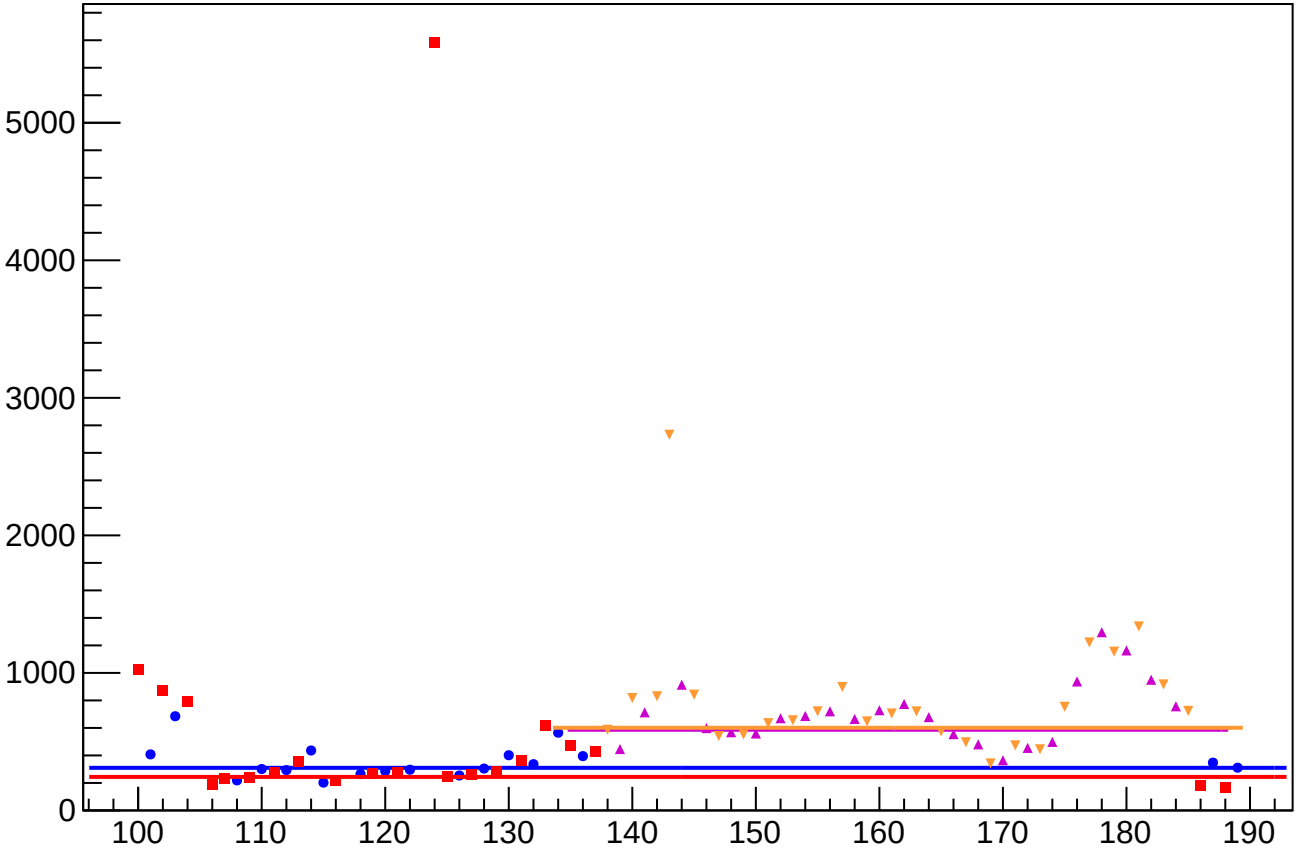
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.088+/-0.091 χ^2/NDF: 43.0/42

All: -0.024+/-0.060 χ^2/NDF: 106.9/86

- sign 0.023+/-0.079 χ^2/NDF: 63.1/43

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 309.994+/-0.082 χ^2/NDF: 1018967.5/17

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

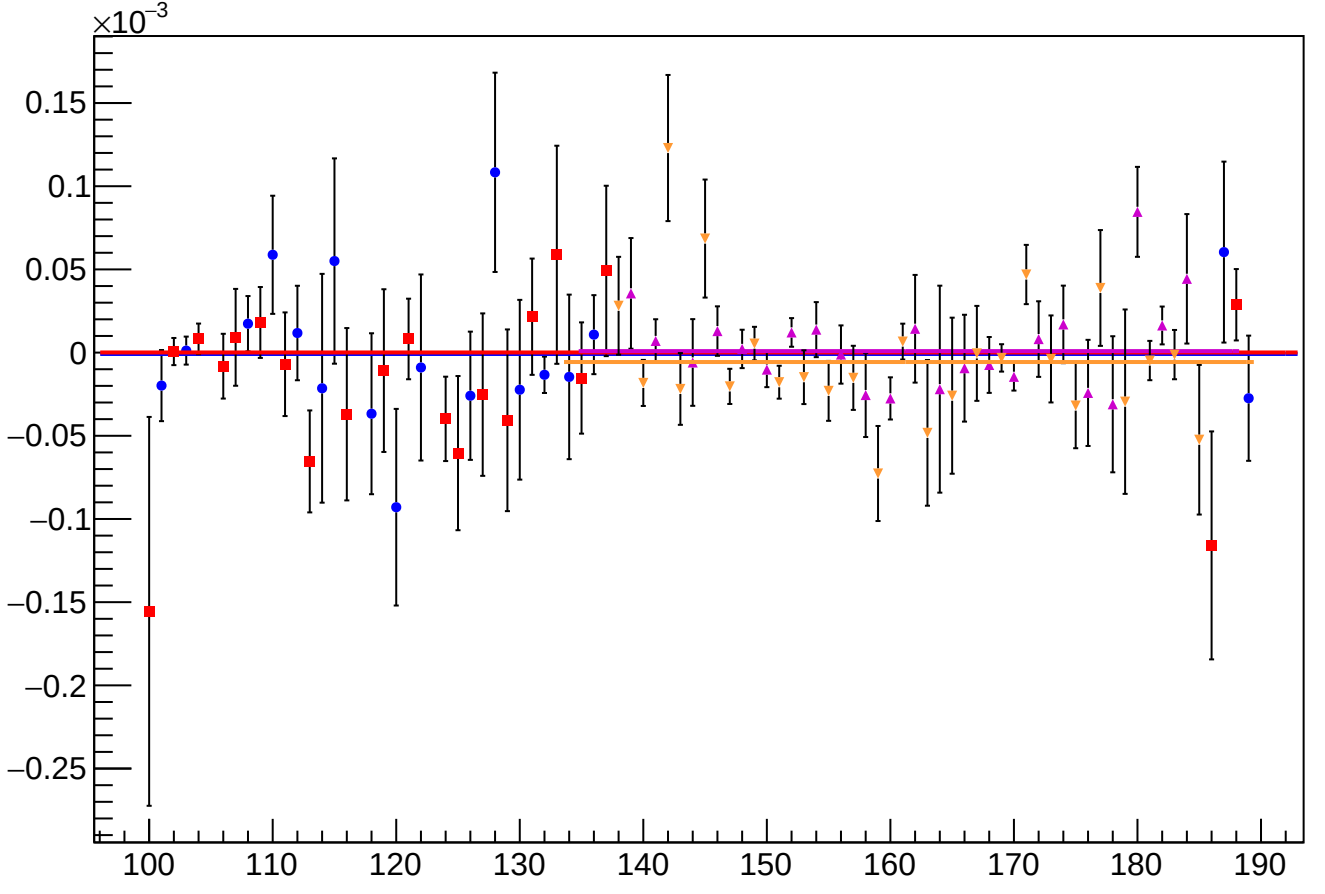
Right Out: 243.918+/-0.066 χ^2/NDF: 2524526.7/20

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 421.935+/-0.065 χ^2/NDF: 10277857.3/42

All: 377.644+/-0.042 χ^2/NDF: 24426231.4/86

- sign 344.802+/-0.056 χ^2/NDF: 13331544.3/43



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/17

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/24

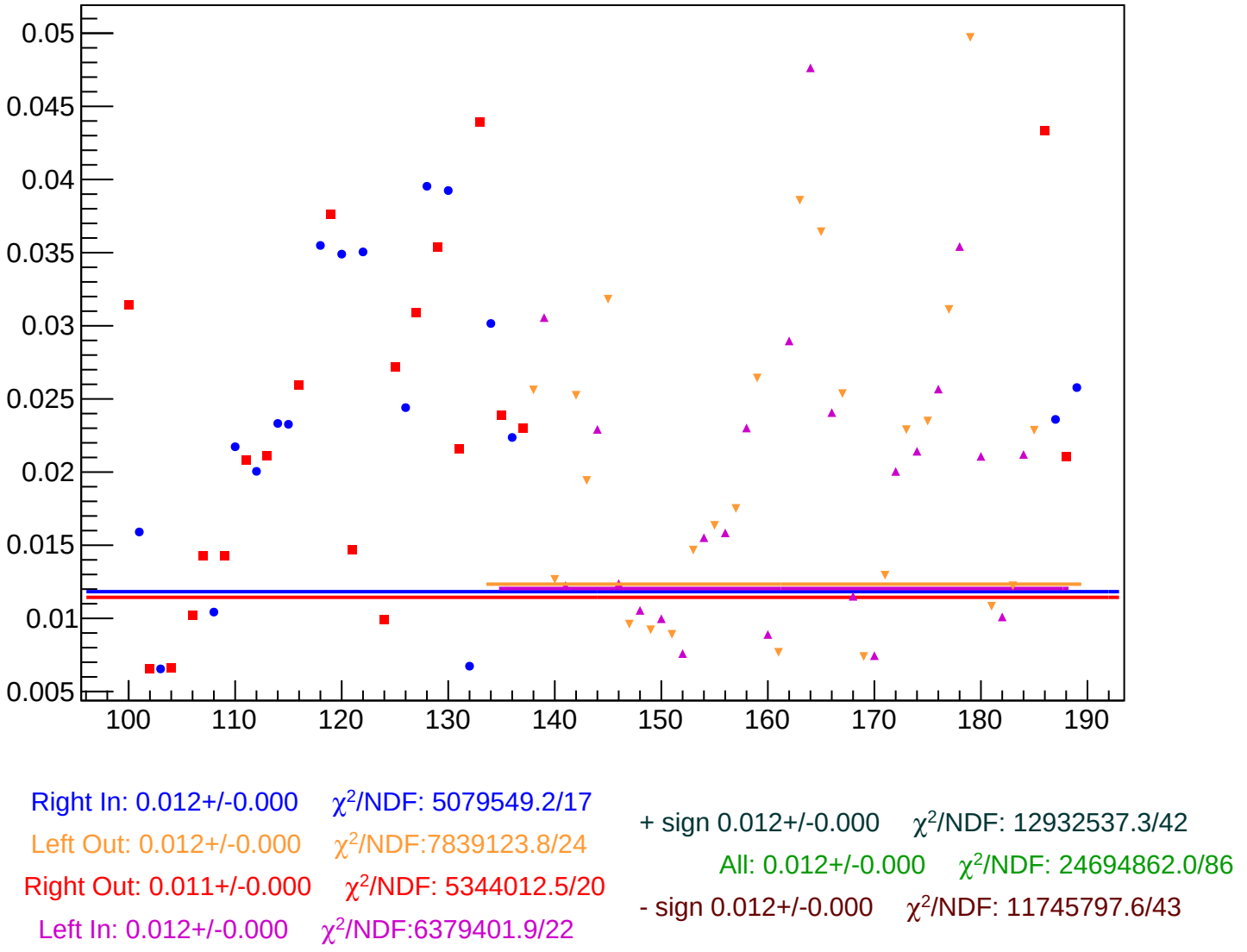
Right Out: 0.000+/-0.000 χ^2/NDF: 20.8/20

Left In: 0.000+/-0.000 χ^2/NDF:30.2/22

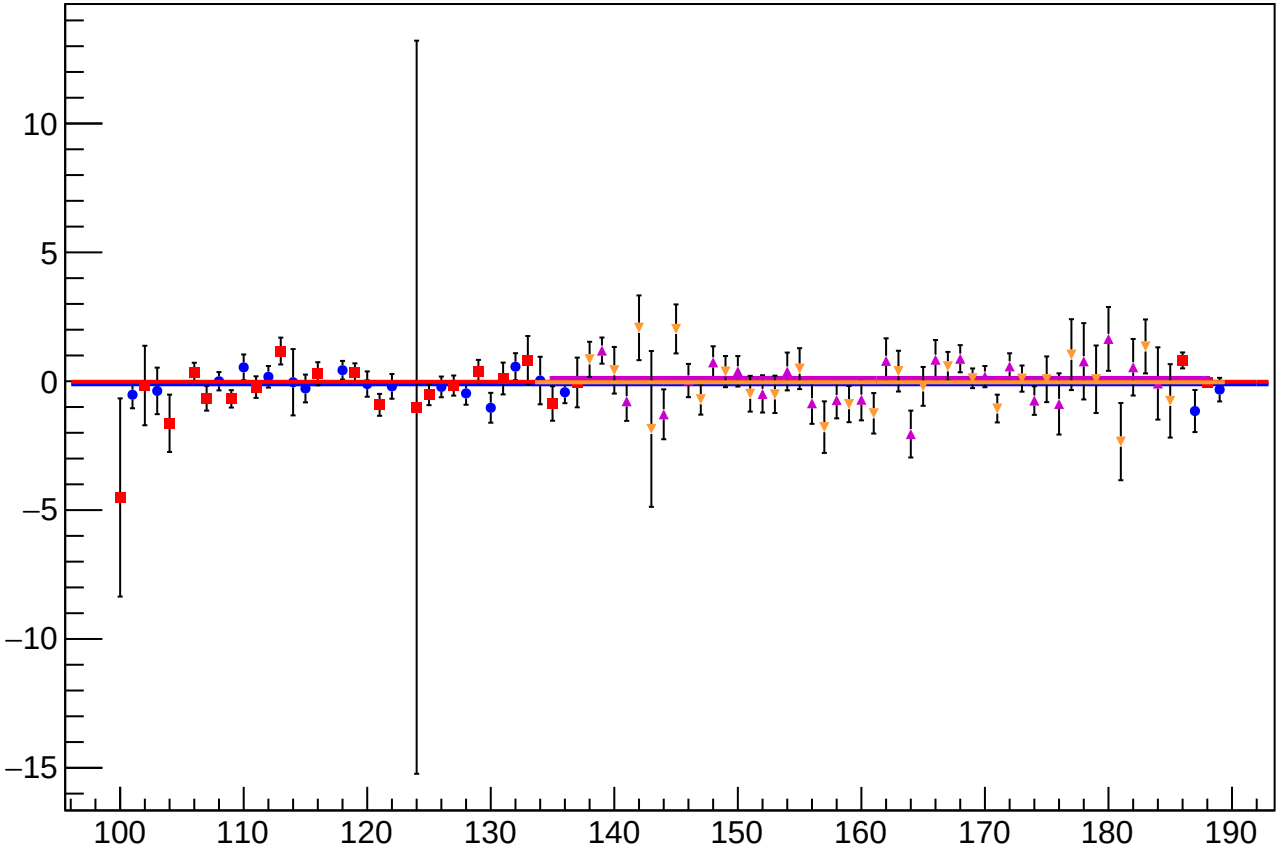
+ sign -0.000+/-0.000 χ^2/NDF: 59.5/42

All: -0.000+/-0.000 χ^2/NDF: 112.2/86

- sign 0.000+/-0.000 χ^2/NDF: 51.0/43


asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
180
190
Right In: 0.012+/-0.000 χ²/NDF: 5079549.2/17
Left Out: 0.012+/-0.000 χ²/NDF:7839123.8/24
Right Out: 0.011+/-0.000 χ²/NDF: 5344012.5/20
Left In: 0.012+/-0.000 χ²/NDF:6379401.9/22
+ sign 0.012+/-0.000 χ²/NDF: 12932537.3/42
All: 0.012+/-0.000 χ²/NDF: 24694862.0/86
- sign 0.012+/-0.000 χ²/NDF: 11745797.6/43

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.118+/-0.117 χ^2/NDF: 12.7/17

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.021+/-0.094 χ^2/NDF: 33.3/20

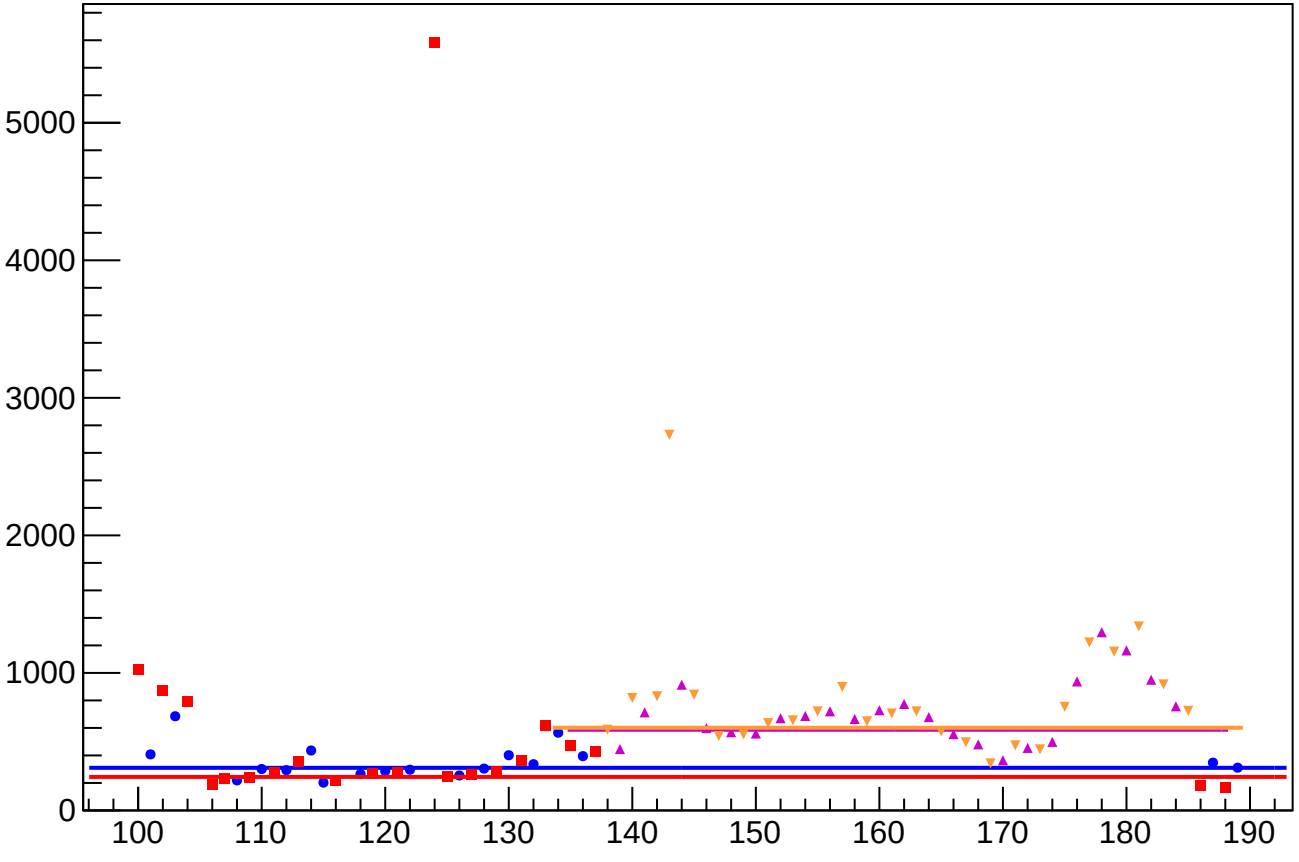
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.088+/-0.091 χ^2/NDF: 43.0/42

All: -0.024+/-0.060 χ^2/NDF: 106.9/86

- sign 0.023+/-0.079 χ^2/NDF: 63.1/43

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 309.992+/-0.082 χ^2/NDF: 1018935.9/17

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

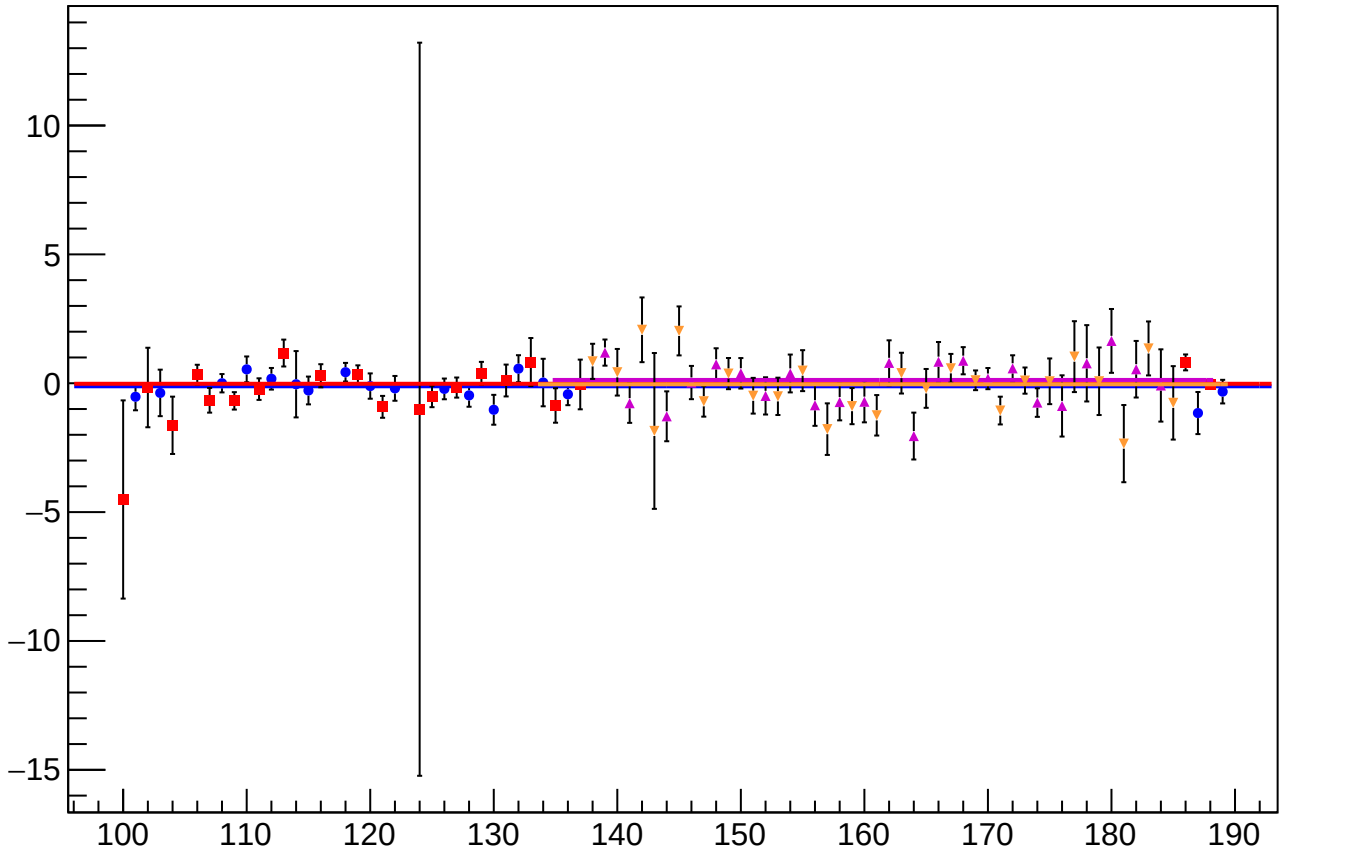
Right Out: 243.913+/-0.066 χ^2/NDF: 2524625.3/20

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

+ sign 421.933+/-0.065 χ^2/NDF: 10278085.3/42

All: 377.640+/-0.042 χ^2/NDF: 24427144.0/86

- sign 344.796+/-0.056 χ^2/NDF: 13332133.2/43



Right In: -0.118+/-0.117 χ^2/NDF: 12.7/17

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

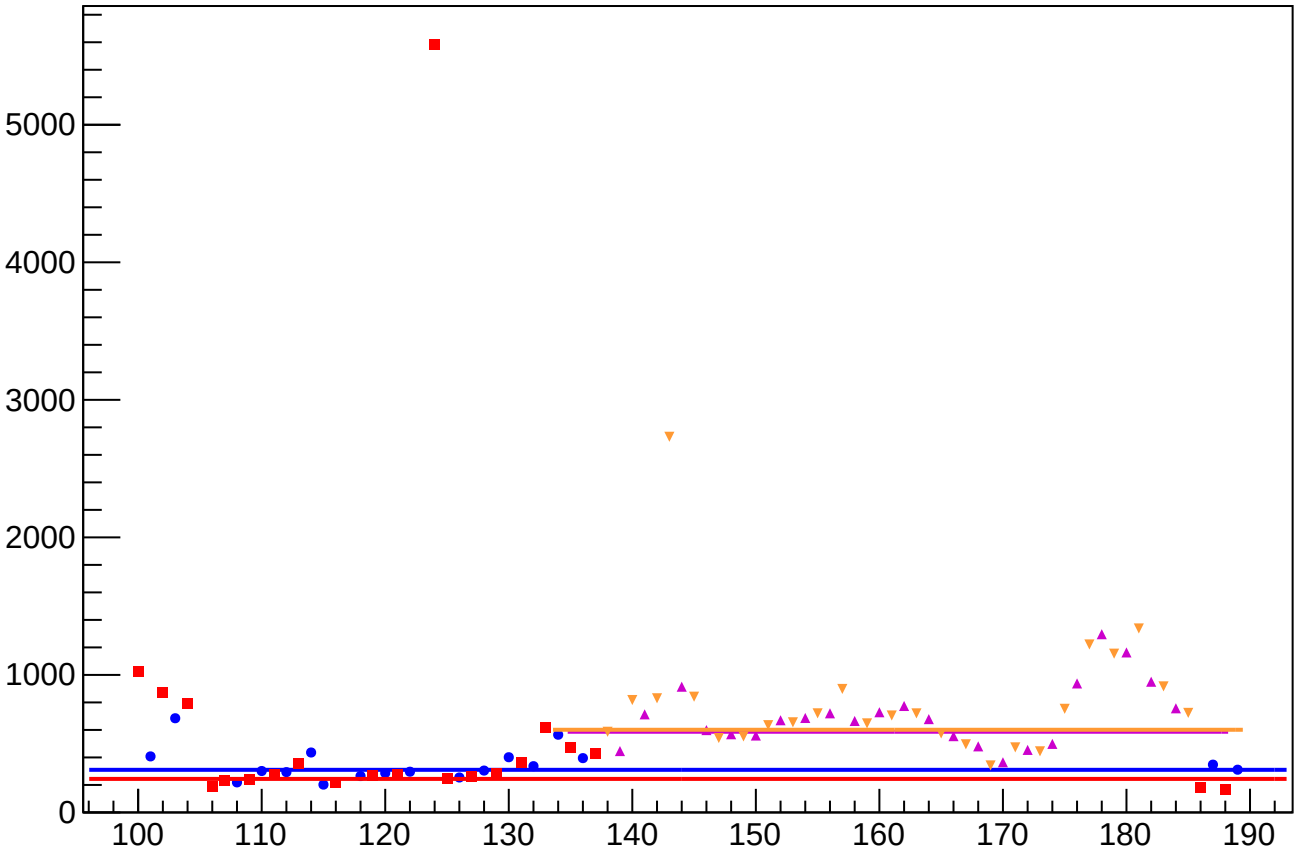
Right Out: -0.021+/-0.094 χ^2/NDF: 33.3/20

Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.088+/-0.091 χ^2/NDF: 43.0/42

All: -0.024+/-0.060 χ^2/NDF: 106.9/86

- sign 0.023+/-0.079 χ^2/NDF: 63.1/43



Right In: 309.992+/-0.082 χ^2/NDF: 1018935.9/17

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

Right Out: 243.913+/-0.066 χ^2/NDF: 2524625.3/20

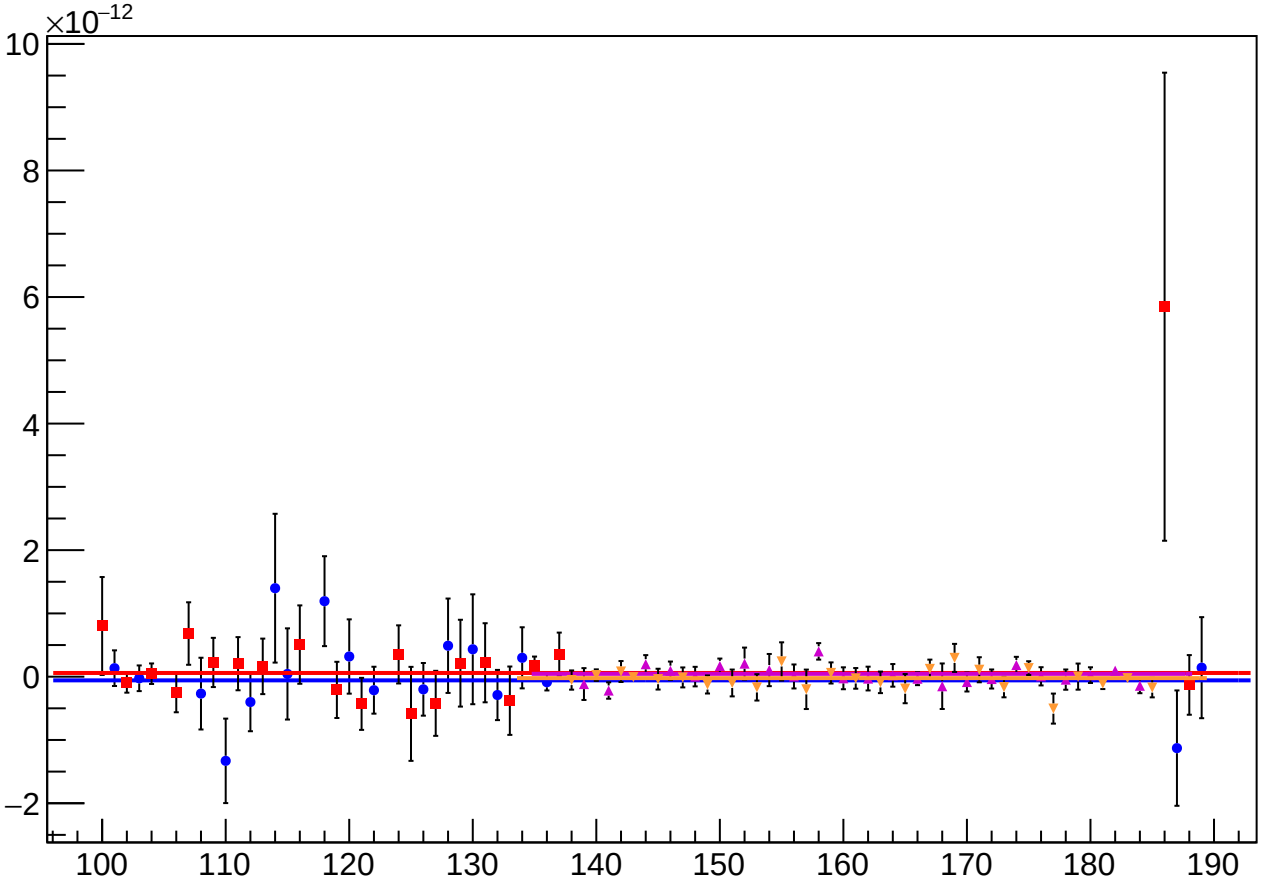
Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

+ sign 421.933+/-0.065 χ^2/NDF: 10278085.3/42

All: 377.640+/-0.042 χ^2/NDF: 24427144.0/86

- sign 344.796+/-0.056 χ^2/NDF: 13332133.2/43

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 13.4/17

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/20

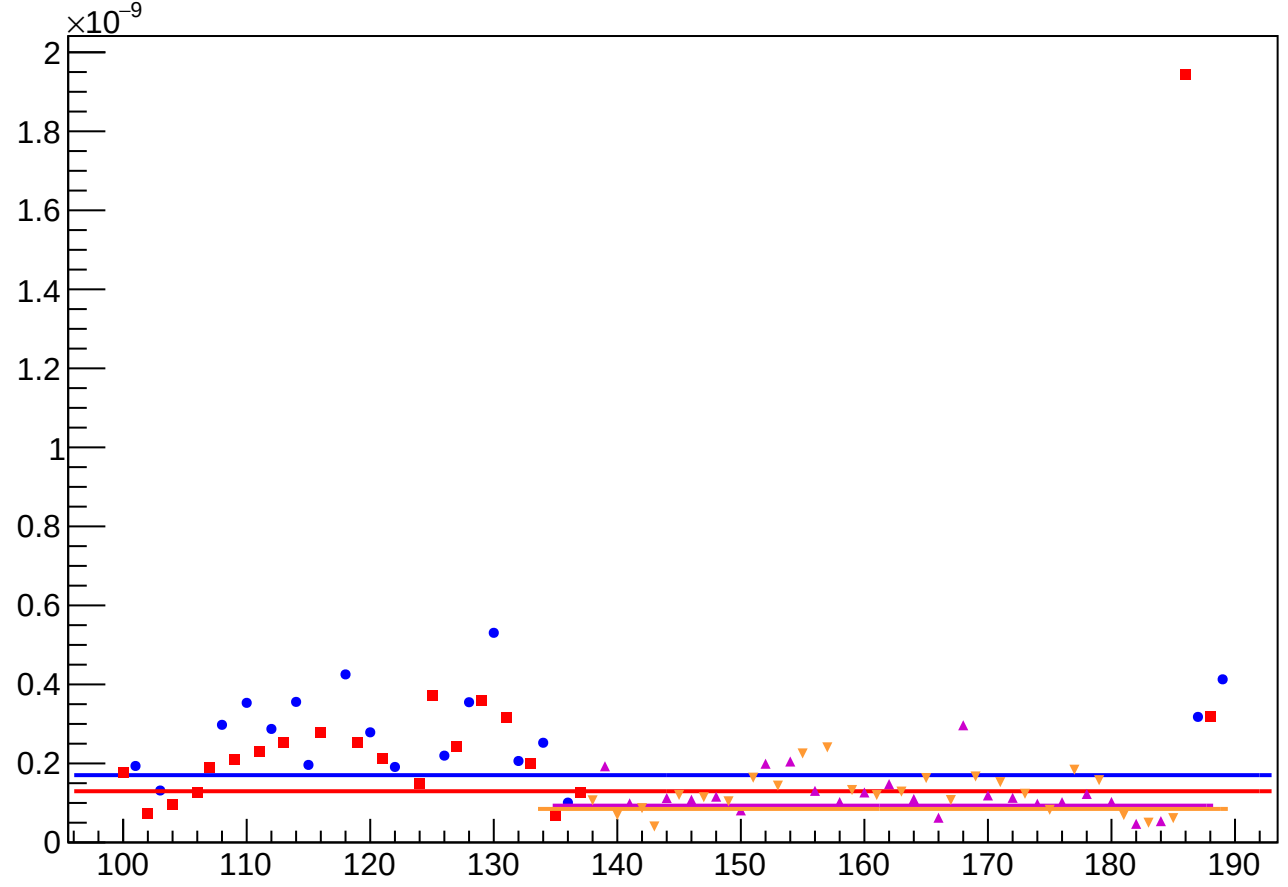
Left In: 0.000+/-0.000 χ^2/NDF:22.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 29.9/42

All: 0.000+/-0.000 χ^2/NDF: 70.0/86

- sign 0.000+/-0.000 χ^2/NDF: 36.1/43

asym_at2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2225516.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:5379905.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3021904.1/20

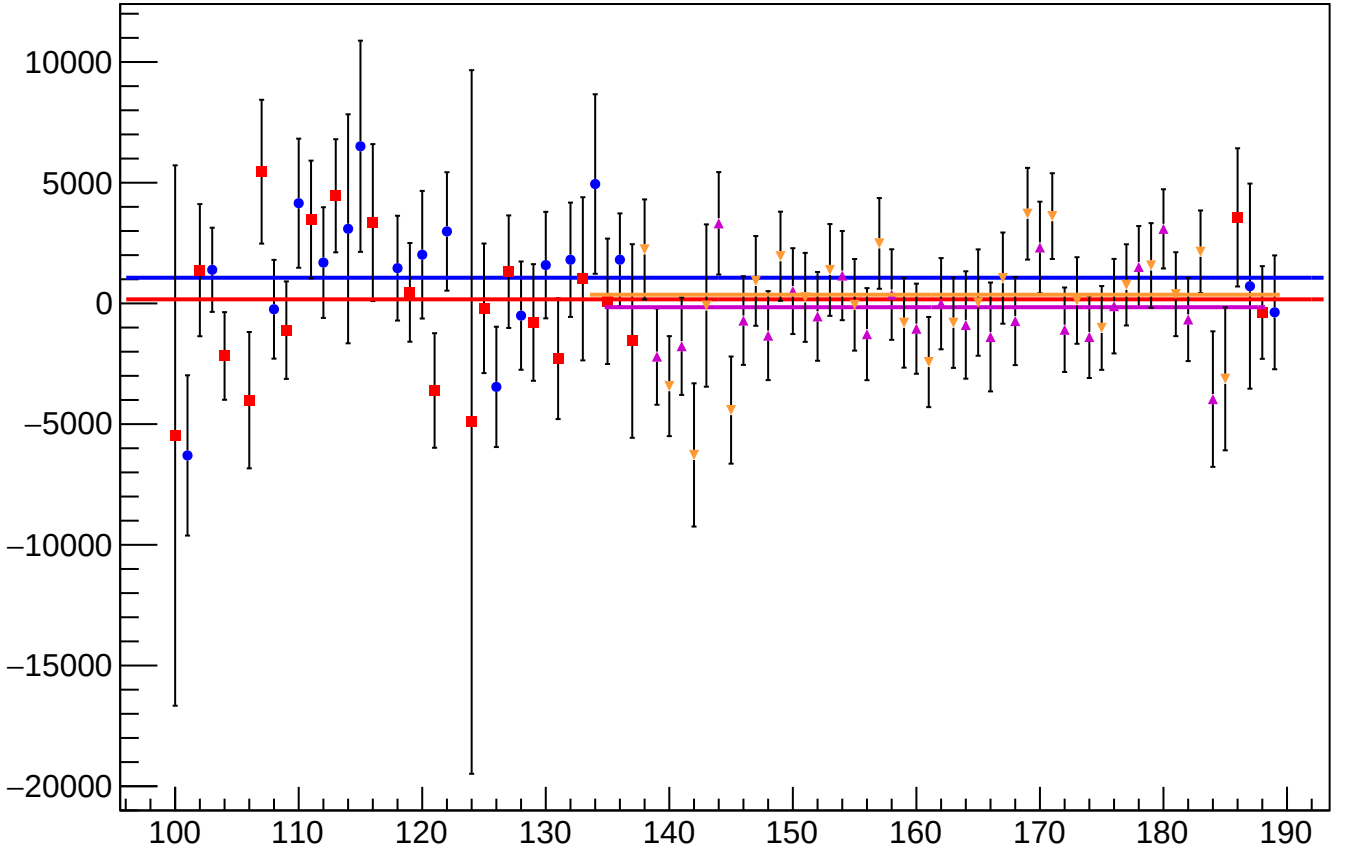
Left In: 0.000+/-0.000 χ^2/NDF:3869234.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 9508041.7/42

All: 0.000+/-0.000 χ^2/NDF: 16928512.0/86

- sign 0.000+/-0.000 χ^2/NDF: 7366668.2/43

reg_asym_at2_dd_mean vs Slug



Right In: 1064.058+/-584.202 χ^2/NDF: 14.8/17

Left Out: 361.645+/-388.131 χ^2/NDF:29.6/24

Right Out: 169.178+/-564.304 χ^2/NDF: 19.8/20

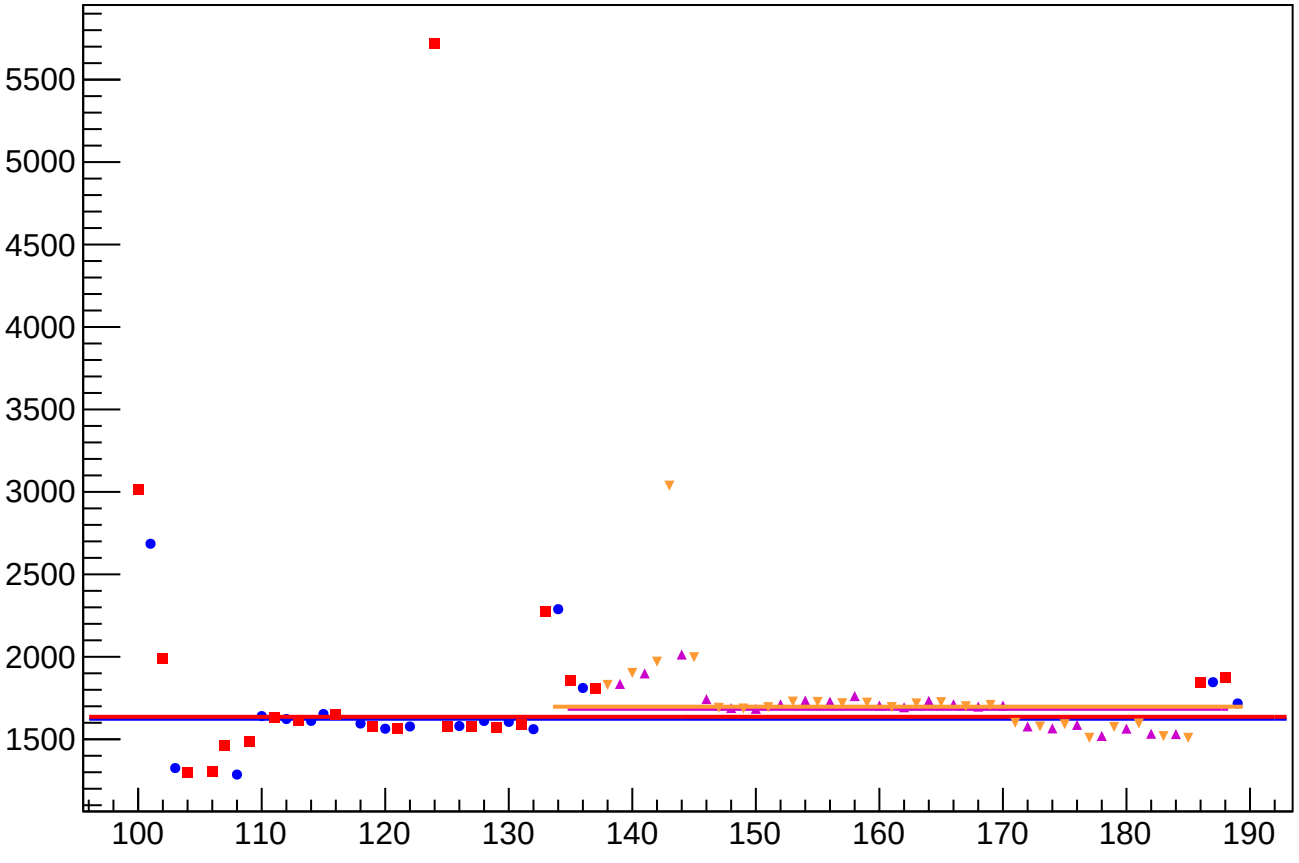
Left In: -157.028+/-394.257 χ^2/NDF:16.0/22

+ sign 576.745+/-323.286 χ^2/NDF: 45.4/42

All: 263.267+/-228.564 χ^2/NDF: 83.3/86

- sign -50.028+/-323.191 χ^2/NDF: 36.1/43

reg_asym_at2_dd_rms vs Slug



Right In: 1624.423+/-0.413 χ^2/NDF: 413854.6/17

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1636.204+/-0.399 χ^2/NDF: 472992.9/20

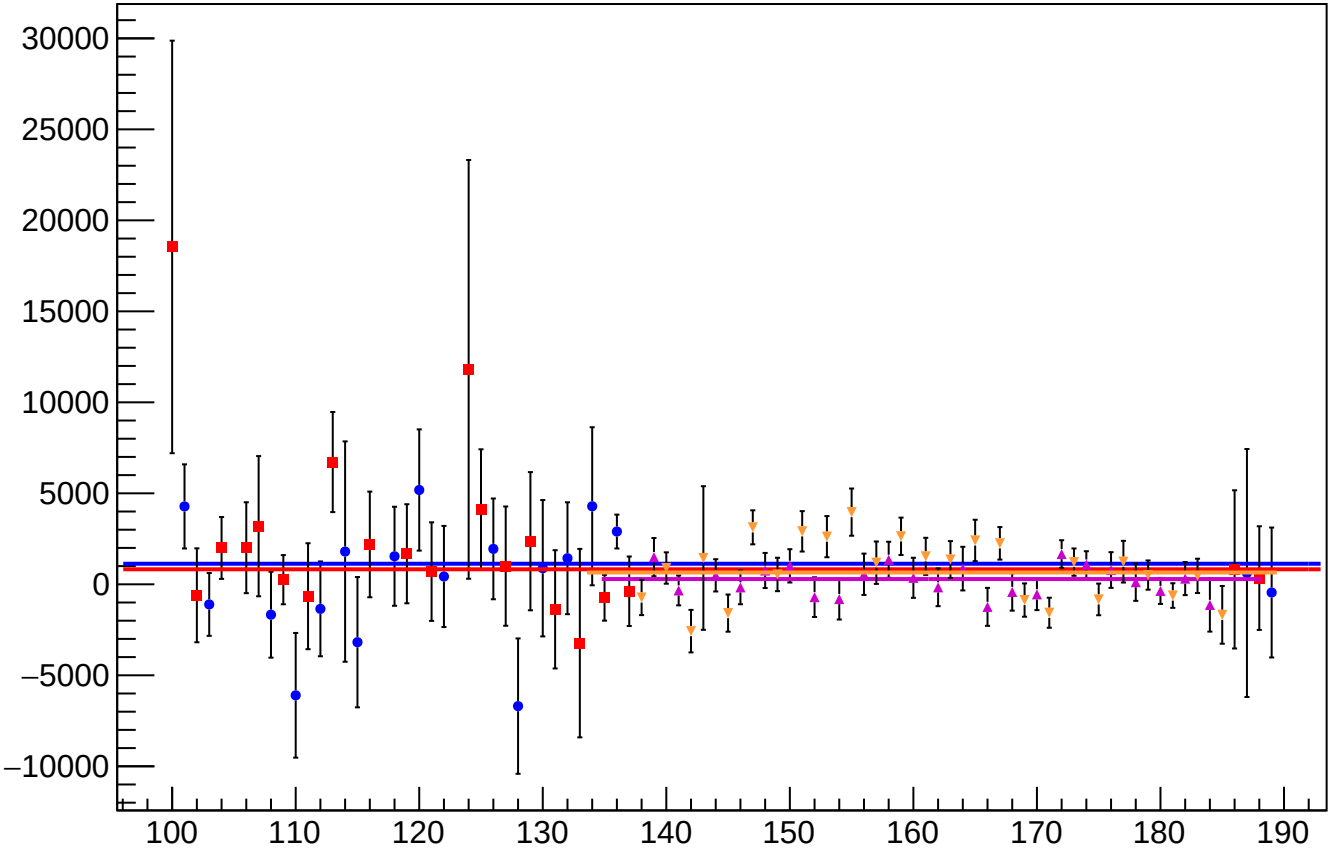
Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1675.119+/-0.229 χ^2/NDF: 930961.0/42

All: 1671.913+/-0.162 χ^2/NDF: 1579578.6/86

- sign 1668.710+/-0.229 χ^2/NDF: 648224.5/43

asym_at2_dd_reg_correction_mean vs Slug



Right In: 1130.237+/-569.593 χ^2/NDF: 22.2/17

Left Out: 649.165+/-195.671 χ^2/NDF:65.5/24

Right Out: 825.244+/-542.775 χ^2/NDF: 14.3/20

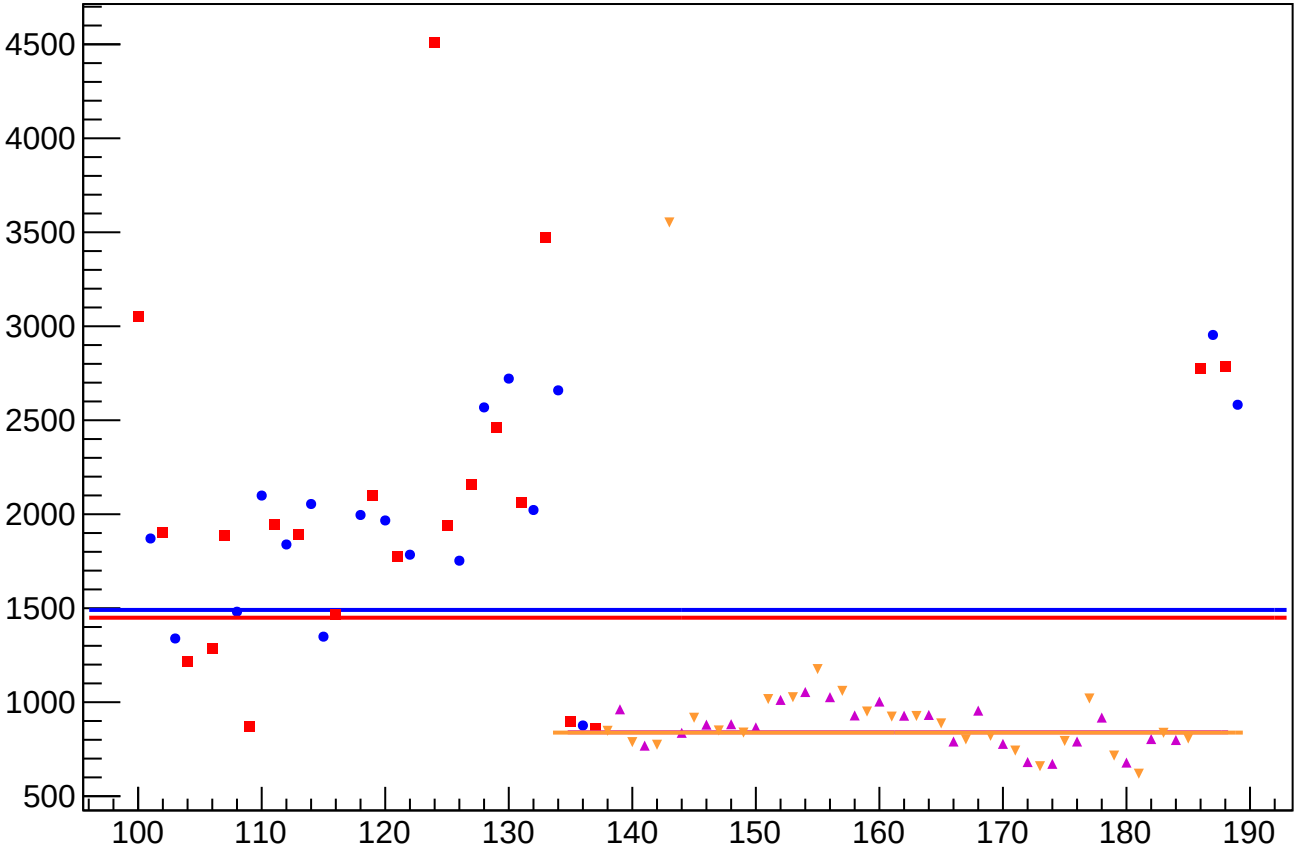
Left In: 288.616+/-198.494 χ^2/NDF:16.6/22

+ sign 699.944+/-185.056 χ^2/NDF: 88.4/42

All: 527.208+/-131.334 χ^2/NDF: 121.8/86

- sign 351.918+/-186.419 χ^2/NDF: 31.7/43

asym_at2_dd_reg_correction_rms vs Slug



Right In: 1490.906+/-0.403 χ^2/NDF: 2079139.6/17

Left Out: 838.243+/-0.138 χ^2/NDF:1800245.5/24

Right Out: 1449.513+/-0.384 χ^2/NDF: 2793457.5/20

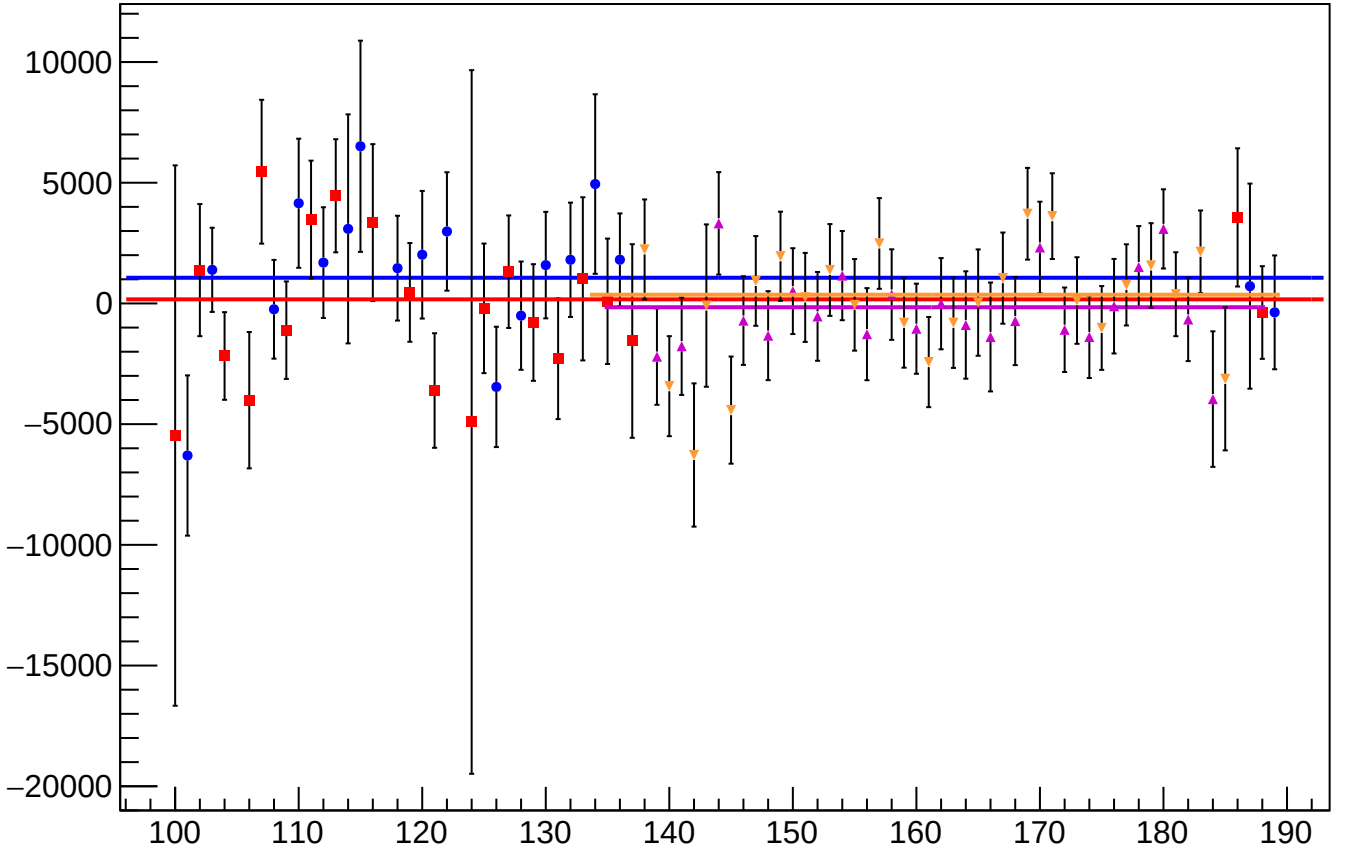
Left In: 839.976+/-0.140 χ^2/NDF:669341.7/22

+ sign 907.134+/-0.131 χ^2/NDF: 6228115.1/42

All: 909.489+/-0.093 χ^2/NDF: 11916300.7/86

- sign 911.878+/-0.132 χ^2/NDF: 5687533.1/43

cor_asym_at2_dd_mean vs Slug



Right In: 1063.963+/-584.202 χ^2/NDF: 14.8/17

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: 169.470+/-564.304 χ^2/NDF: 19.8/20

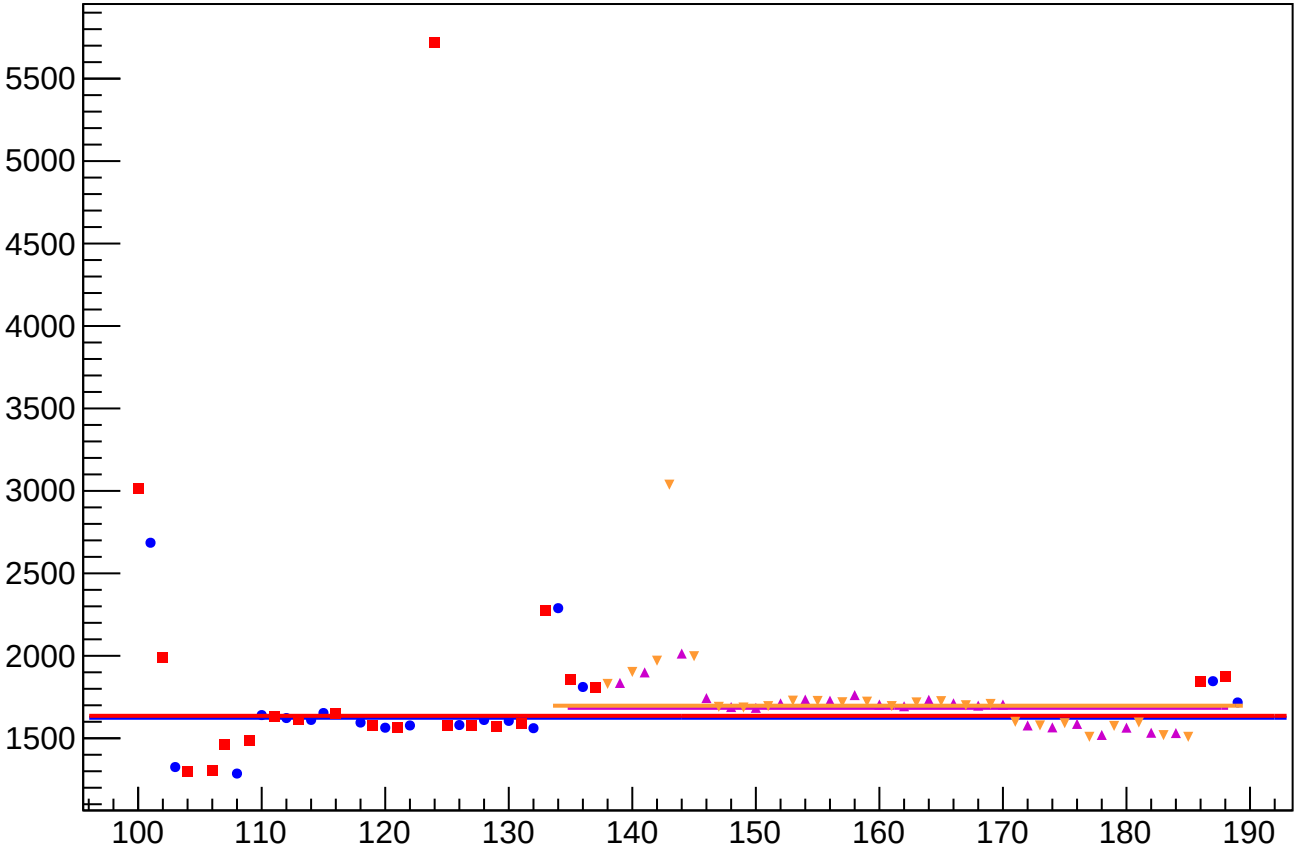
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

+ sign 576.657+/-323.286 χ^2/NDF: 45.4/42

All: 263.302+/-228.564 χ^2/NDF: 83.4/86

- sign -49.869+/-323.191 χ^2/NDF: 36.1/43

cor_asym_at2_dd_rms vs Slug



Right In: 1624.423+/-0.413 χ^2/NDF: 413854.9/17

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1636.204+/-0.399 χ^2/NDF: 472993.0/20

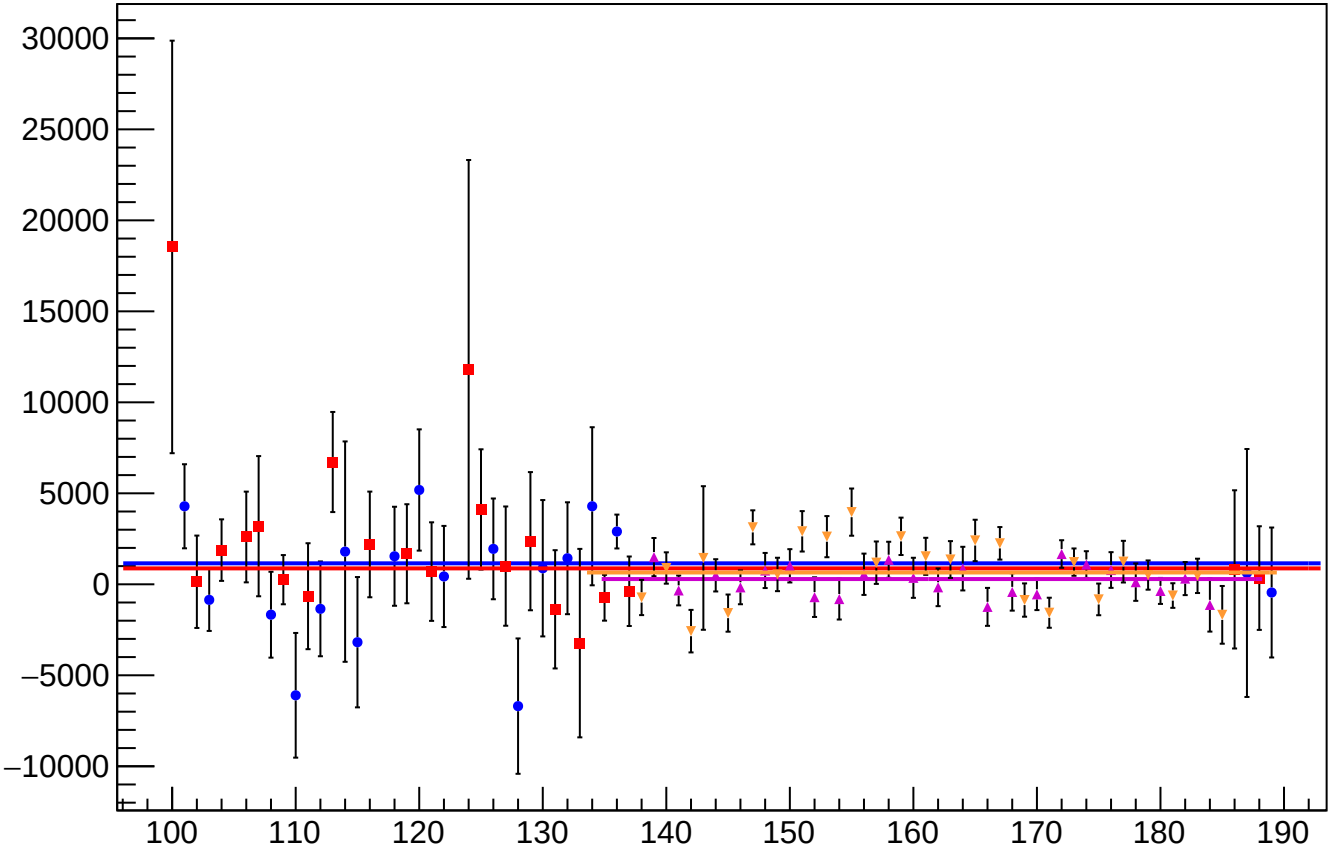
Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1675.118+/-0.229 χ^2/NDF: 930961.3/42

All: 1671.913+/-0.162 χ^2/NDF: 1579579.0/86

- sign 1668.710+/-0.229 χ^2/NDF: 648224.6/43

asym_at2_dd_cor_correction_mean vs Slug



Right In: 1152.469+/-568.811 χ^2/NDF: 21.9/17

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: 874.236+/-542.062 χ^2/NDF: 14.2/20

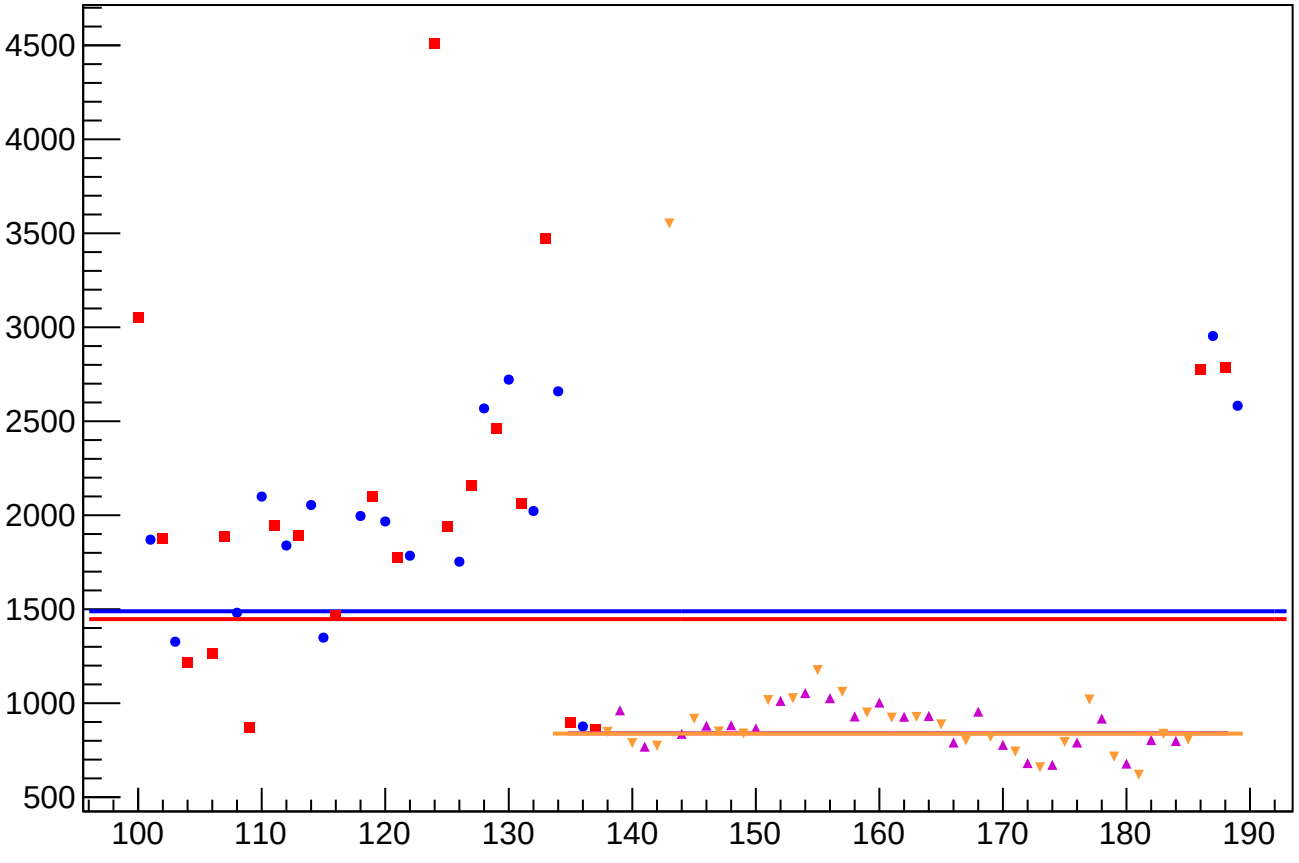
Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

\+ sign 702.422+/-185.031 χ^2/NDF: 88.1/42

All: 531.395+/-131.315 χ^2/NDF: 121.7/86

\- sign 357.845+/-186.391 χ^2/NDF: 31.8/43

asym_at2_dd_cor_correction_rms vs Slug



Right In: 1489.161+/-0.402 χ^2/NDF: 2081793.8/17

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1447.394+/-0.383 χ^2/NDF: 2791113.2/20

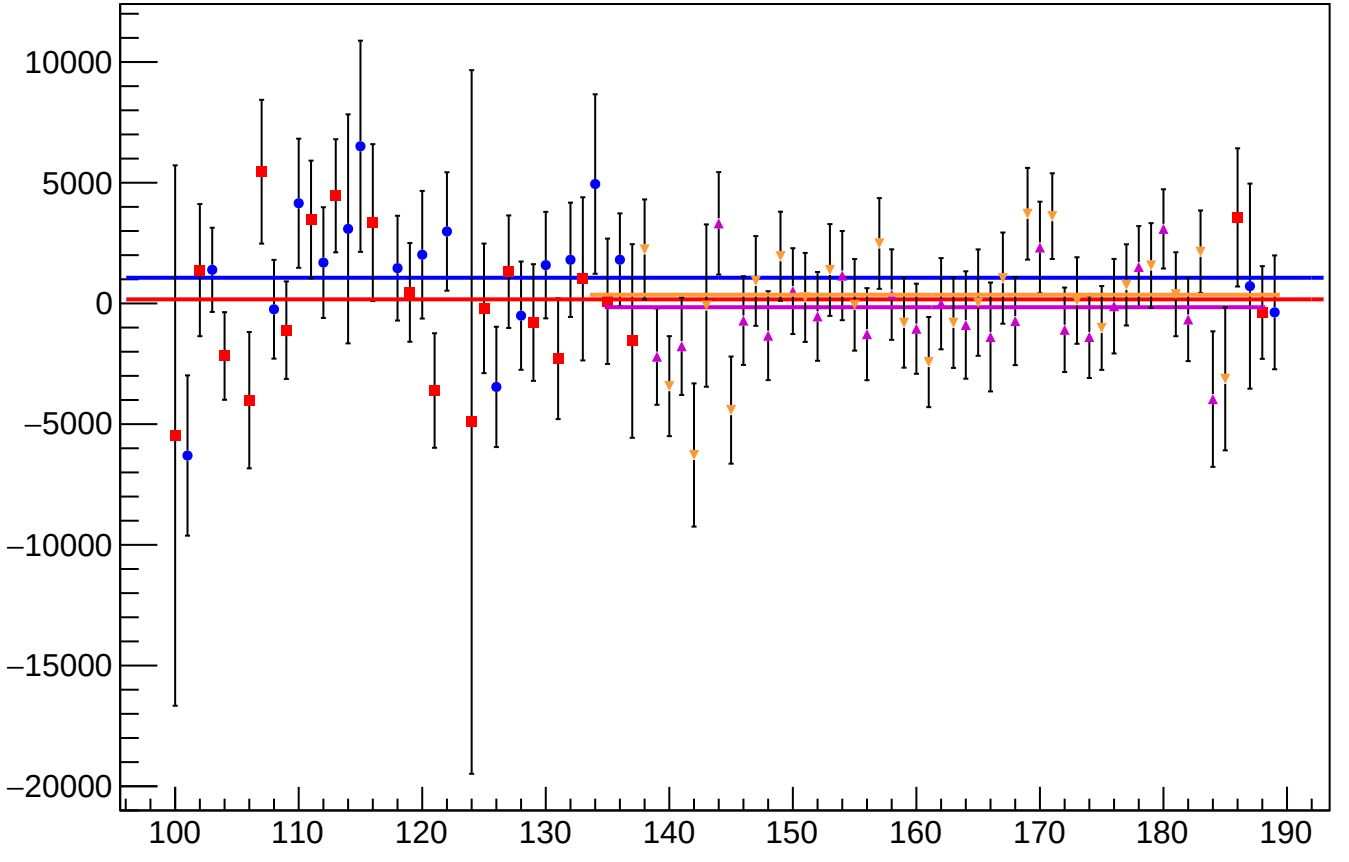
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 907.130+/-0.131 χ^2/NDF: 6223776.4/42

All: 909.447+/-0.093 χ^2/NDF: 11899261.9/86

- sign 911.797+/-0.132 χ^2/NDF: 5674854.1/43

eigen_cor_asym_at2_dd_mean vs Slug



Right In: 1063.963+/-584.202 χ^2/NDF: 14.8/17

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: 169.470+/-564.304 χ^2/NDF: 19.8/20

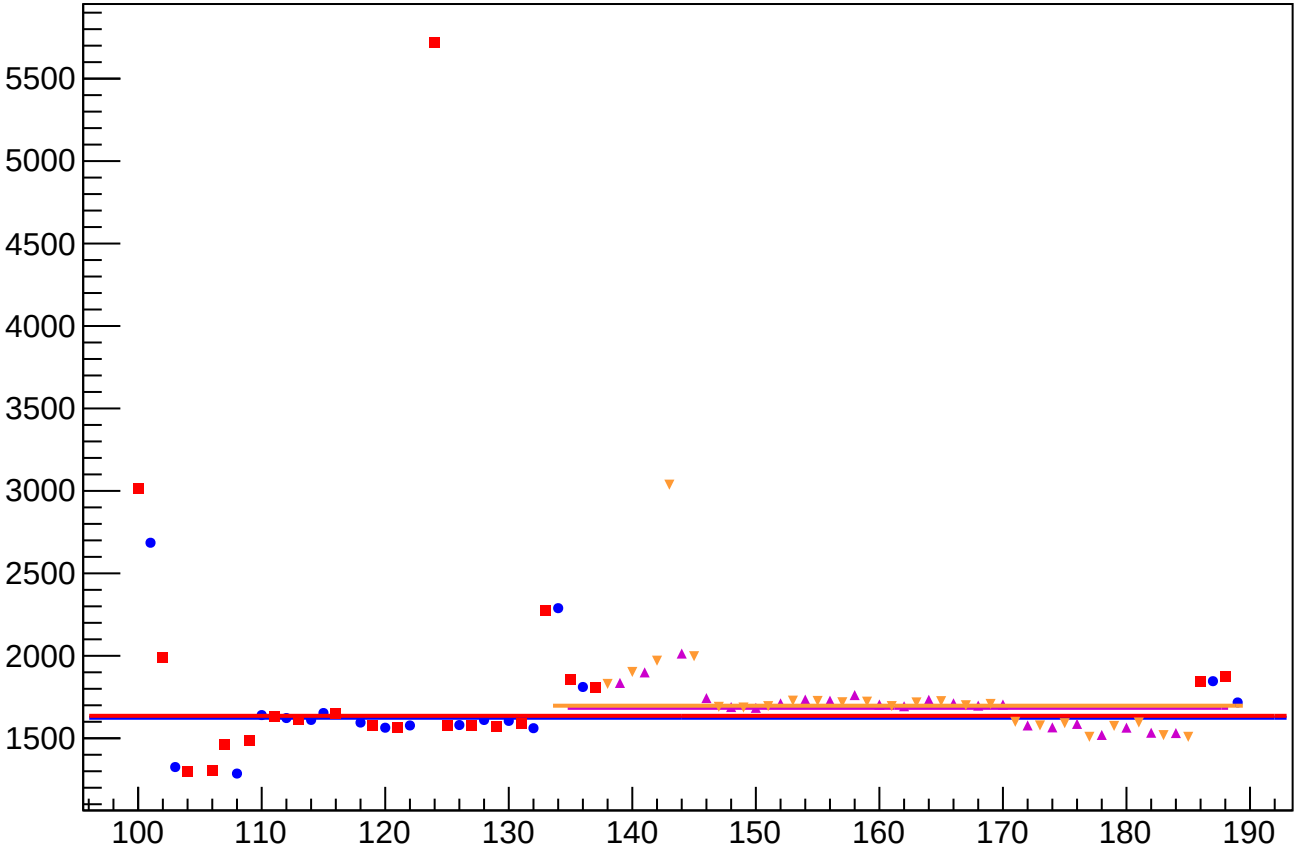
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

+ sign 576.657+/-323.286 χ^2/NDF: 45.4/42

All: 263.302+/-228.564 χ^2/NDF: 83.4/86

- sign -49.869+/-323.191 χ^2/NDF: 36.1/43

eigen_cor_asym_at2_dd_rms vs Slug



Right In: 1624.423+/-0.413 χ^2/NDF: 413854.9/17

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1636.204+/-0.399 χ^2/NDF: 472993.0/20

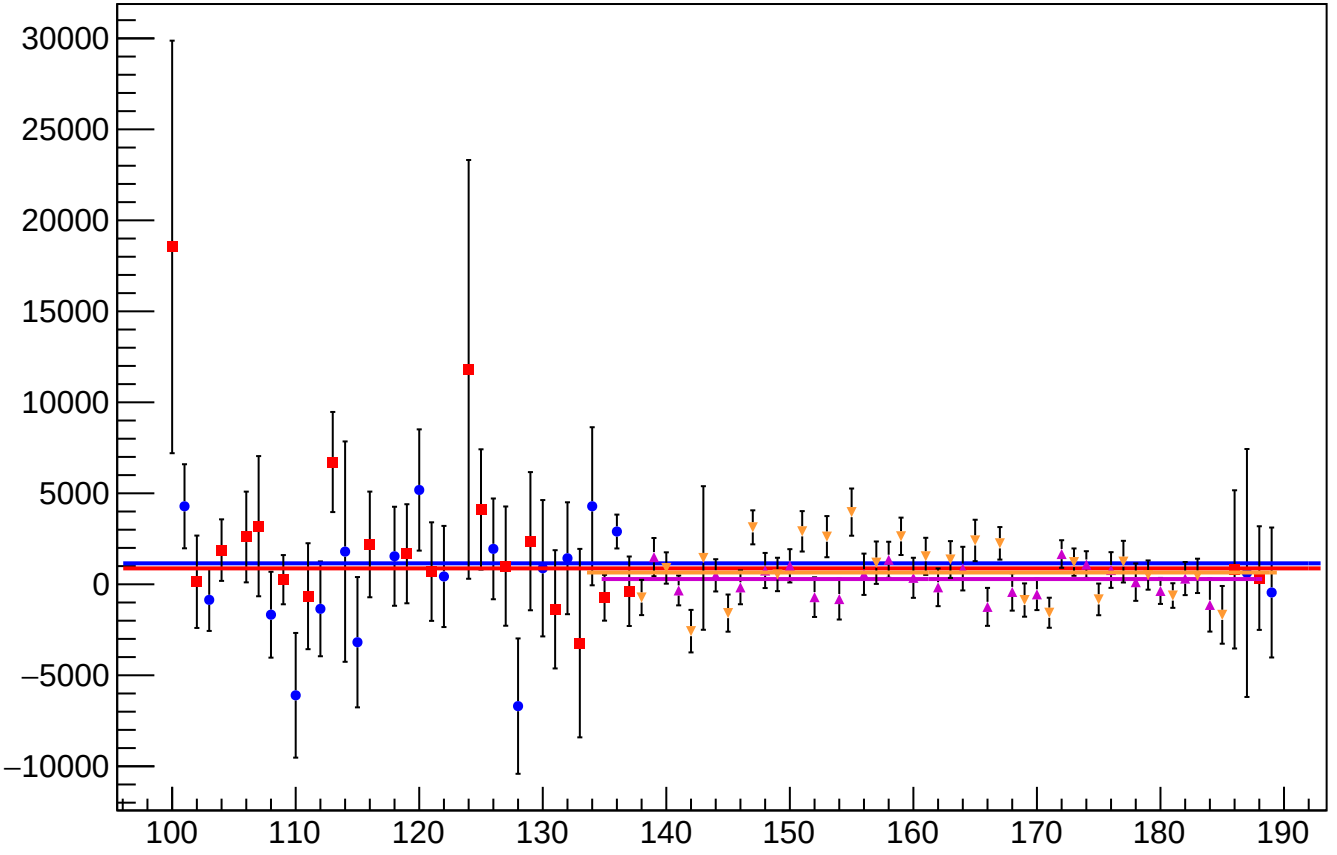
Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1675.118+/-0.229 χ^2/NDF: 930961.3/42

All: 1671.913+/-0.162 χ^2/NDF: 1579579.0/86

- sign 1668.710+/-0.229 χ^2/NDF: 648224.6/43

asym_at2_dd_eigen_cor_correction_mean vs Slug



Right In: 1152.469+/-568.811 χ^2/NDF: 21.9/17

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: 874.236+/-542.062 χ^2/NDF: 14.2/20

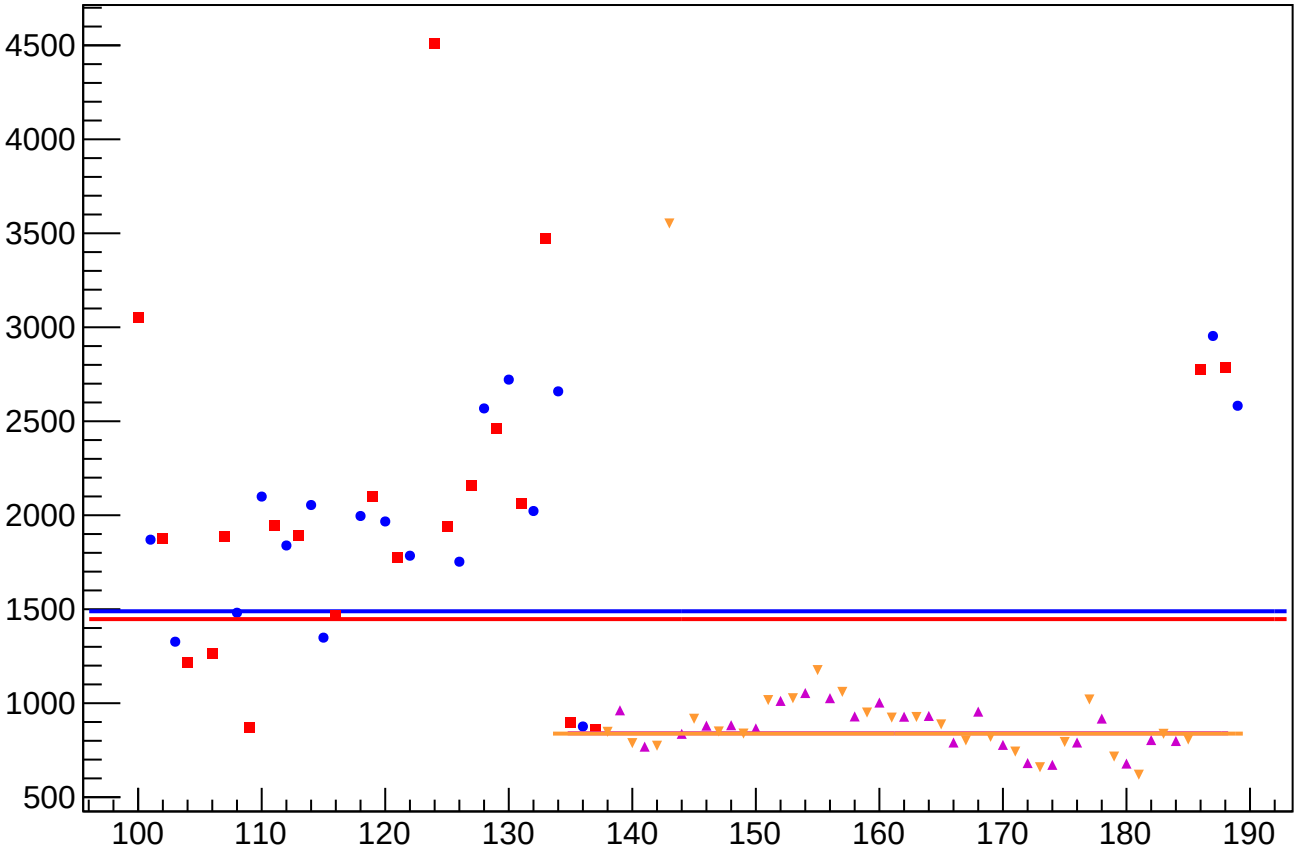
Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

+ sign 702.422+/-185.031 χ^2/NDF: 88.1/42

All: 531.395+/-131.315 χ^2/NDF: 121.7/86

- sign 357.845+/-186.391 χ^2/NDF: 31.8/43

asym_at2_dd_eigen_cor_correction_rms vs Slug



Right In: 1489.161+/-0.402 χ^2/NDF: 2081793.8/17

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1447.394+/-0.383 χ^2/NDF: 2791113.2/20

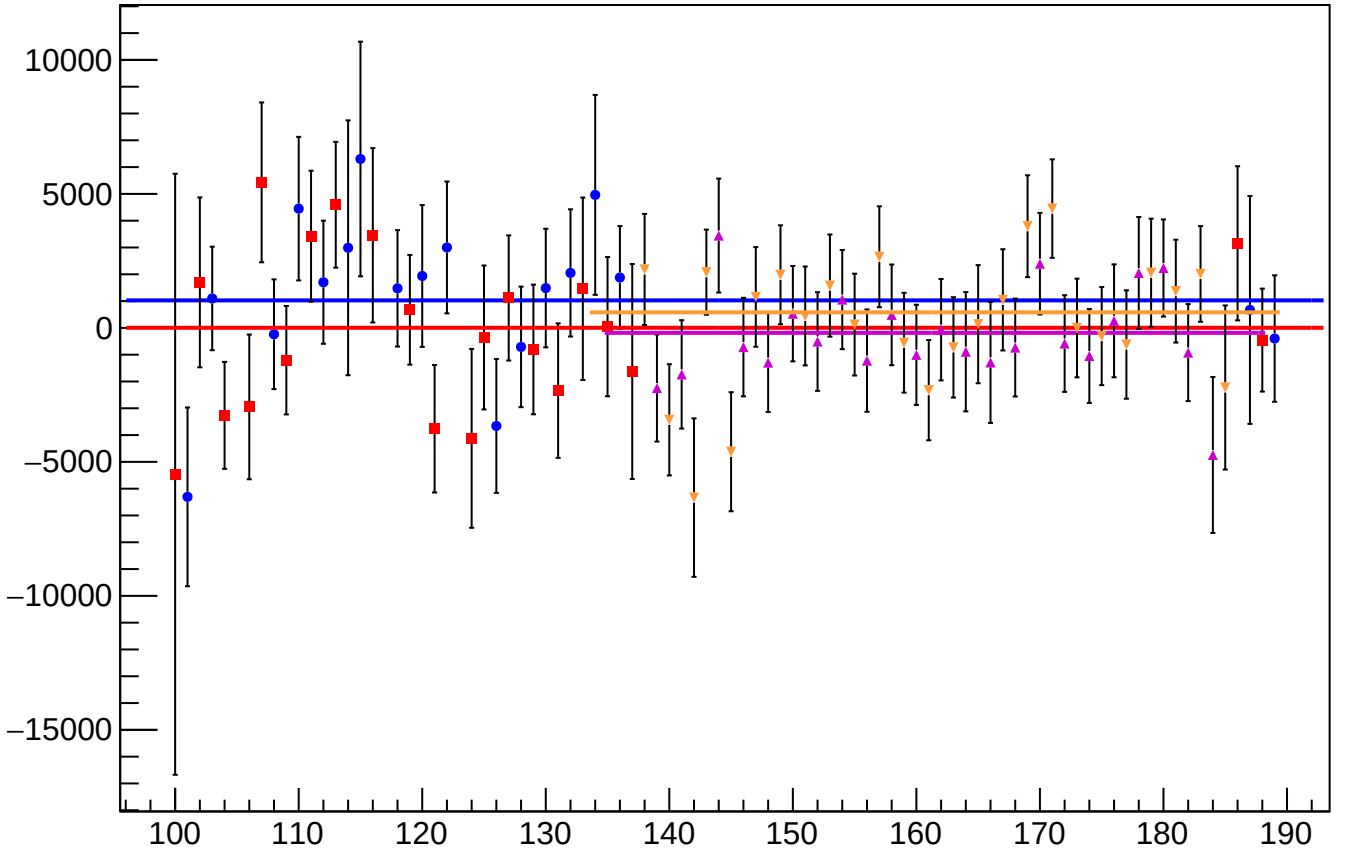
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

\+ sign 907.130+/-0.131 χ^2/NDF: 6223776.4/42

All: 909.447+/-0.093 χ^2/NDF: 11899261.9/86

\- sign 911.797+/-0.132 χ^2/NDF: 5674854.1/43

dit_asym_at2_dd_mean vs Slug



Right In: 1025.890+/-591.357 χ^2/NDF: 15.4/17

Left Out: 580.299+/-389.769 χ^2/NDF:31.9/24

Right Out: 4.067+/-564.208 χ^2/NDF: 22.0/20

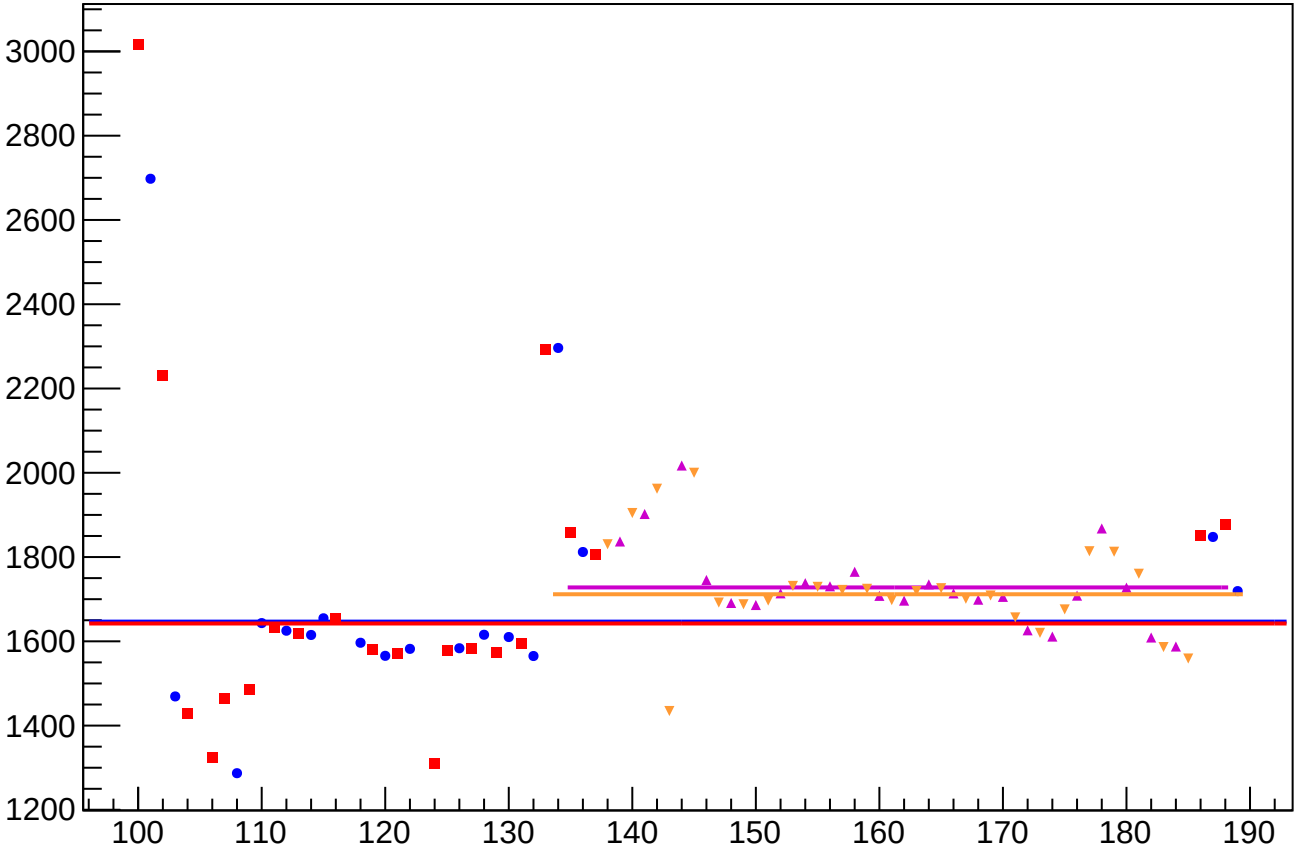
Left In: -185.836+/-404.094 χ^2/NDF:14.4/22

+ sign 715.249+/-325.438 χ^2/NDF: 47.7/42

All: 300.849+/-231.203 χ^2/NDF: 87.5/86

- sign -121.450+/-328.525 χ^2/NDF: 36.5/43

dit_asym_at2_dd_rms vs Slug



Right In: 1646.760+/-0.418 χ^2/NDF: 368210.3/17

Left Out: 1711.712+/-0.276 χ^2/NDF:168006.4/24

Right Out: 1642.292+/-0.399 χ^2/NDF: 326782.2/20

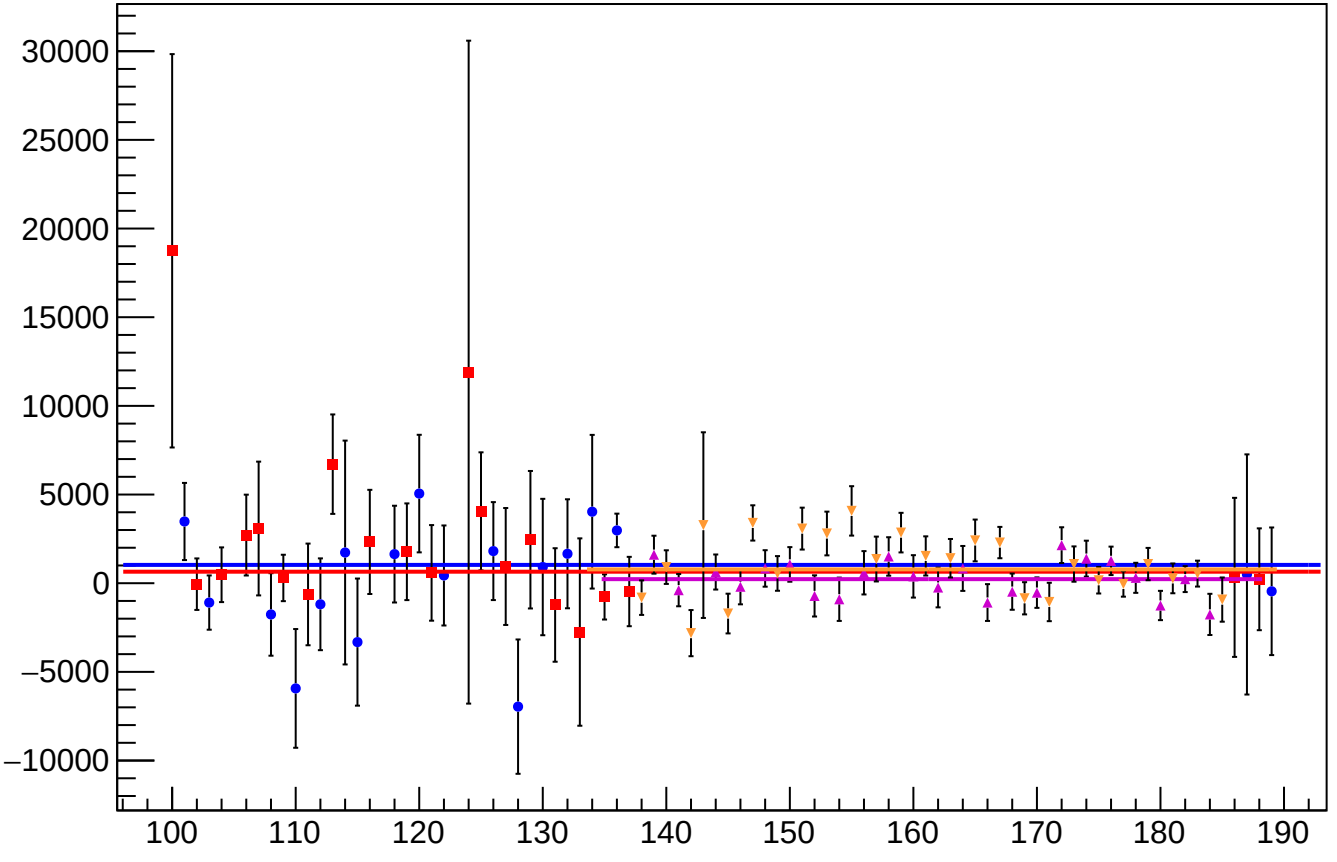
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1692.041+/-0.230 χ^2/NDF: 553036.8/42

All: 1695.430+/-0.163 χ^2/NDF: 1010926.4/86

- sign 1698.883+/-0.232 χ^2/NDF: 457451.7/43

asym_at2_dd_dit_correction_mean vs Slug



Right In: 1032.217+/-562.577 χ^2/NDF: 22.2/17

Left Out: 778.974+/-201.641 χ^2/NDF:54.5/24

Right Out: 649.201+/-511.626 χ^2/NDF: 13.6/20

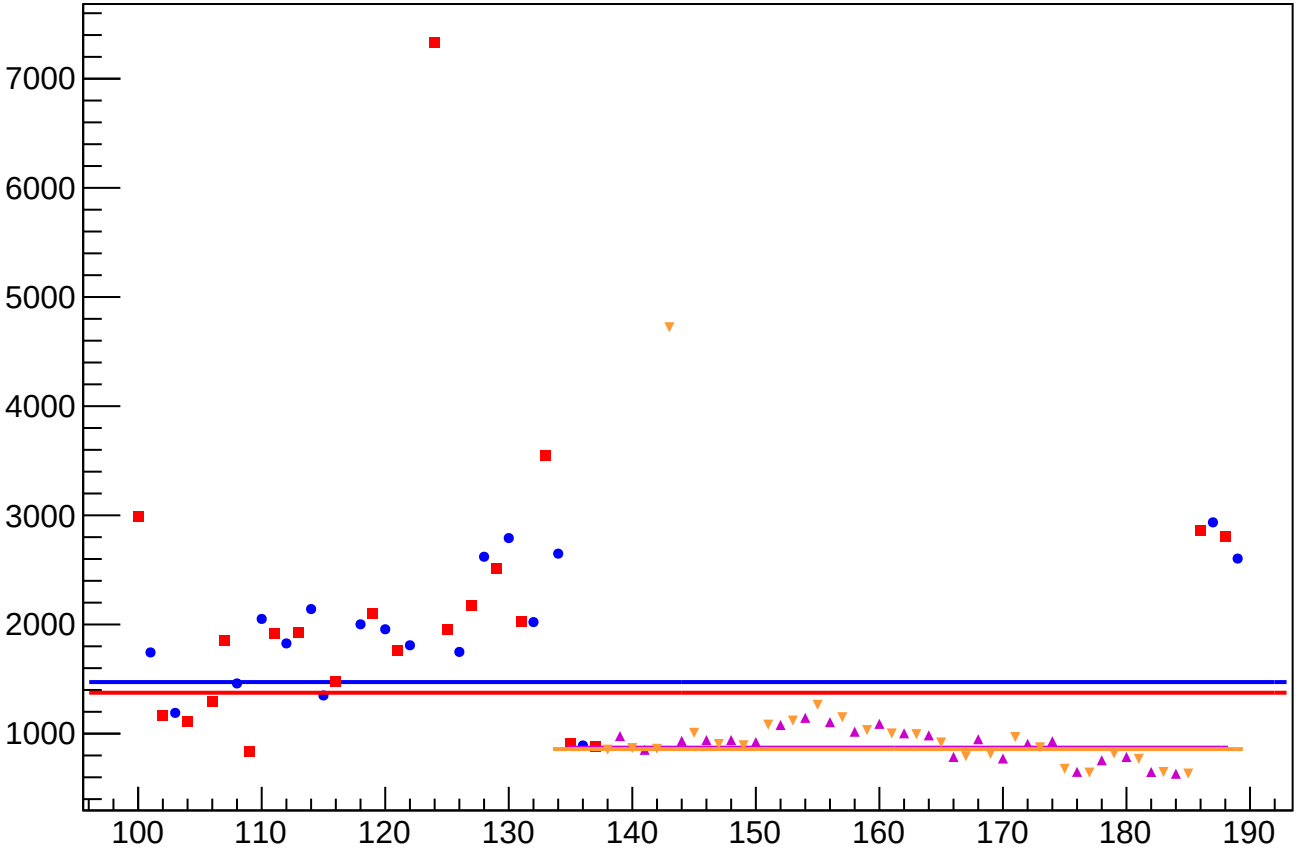
Left In: 228.879+/-206.703 χ^2/NDF:22.6/22

\+ sign 807.804+/-189.817 χ^2/NDF: 76.9/42

All: 550.334+/-134.865 χ^2/NDF: 117.4/86

\- sign 287.859+/-191.653 χ^2/NDF: 36.8/43

asym_at2_dd_dit_correction_rms vs Slug



Right In: 1472.458+/-0.398 χ^2/NDF: 2063926.1/17

Left Out: 858.593+/-0.143 χ^2/NDF:2279775.0/24

Right Out: 1374.840+/-0.362 χ^2/NDF: 2937379.1/20

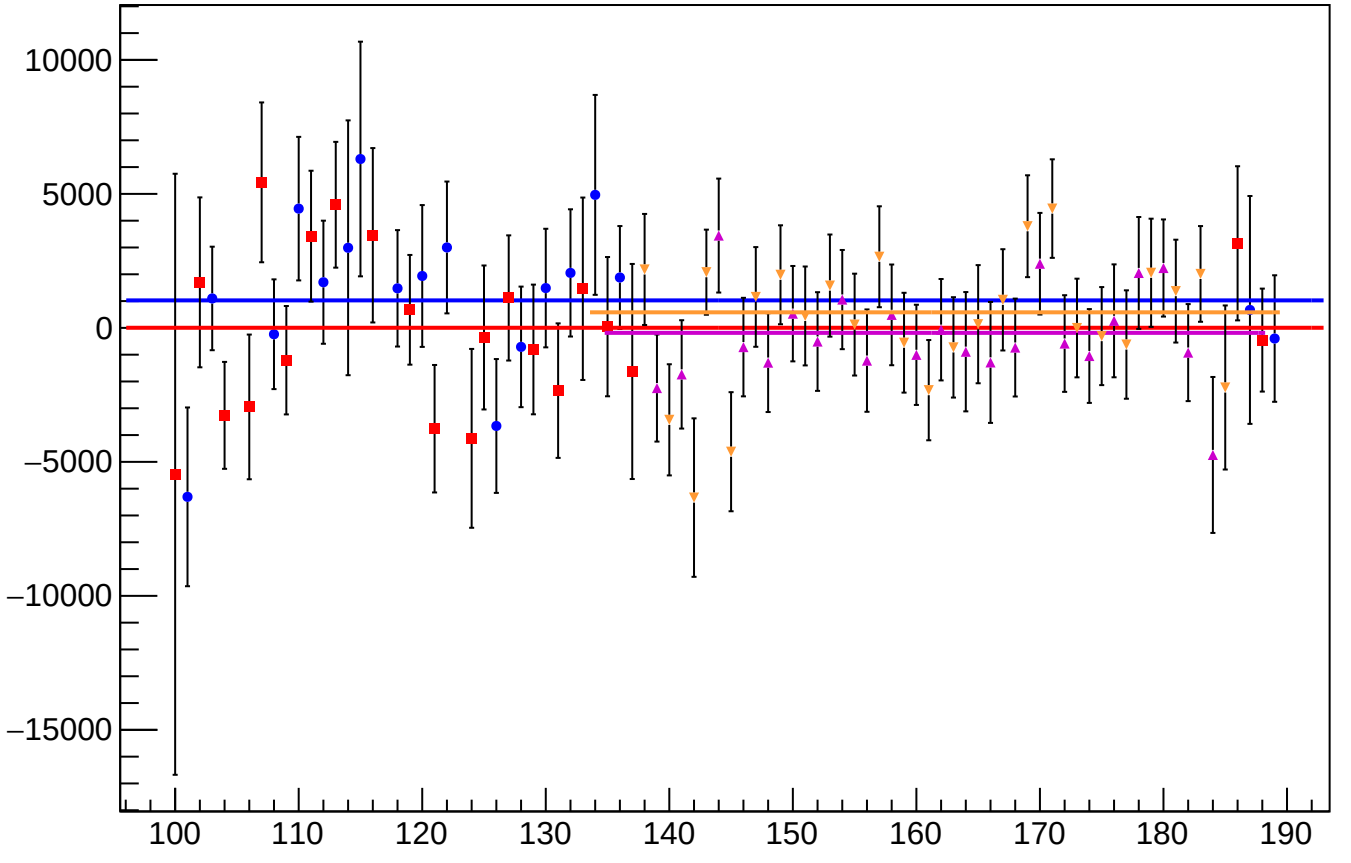
Left In: 871.527+/-0.146 χ^2/NDF:979356.2/22

+ sign 928.477+/-0.134 χ^2/NDF: 6453896.6/42

All: 935.249+/-0.095 χ^2/NDF: 12039718.4/86

- sign 942.153+/-0.136 χ^2/NDF: 5580680.7/43

eigen_dit_asym_at2_dd_mean vs Slug



Right In: 1025.891+/-591.357 χ^2/NDF: 15.4/17

Left Out: 580.295+/-389.769 χ^2/NDF:31.9/24

Right Out: 4.064+/-564.208 χ^2/NDF: 22.0/20

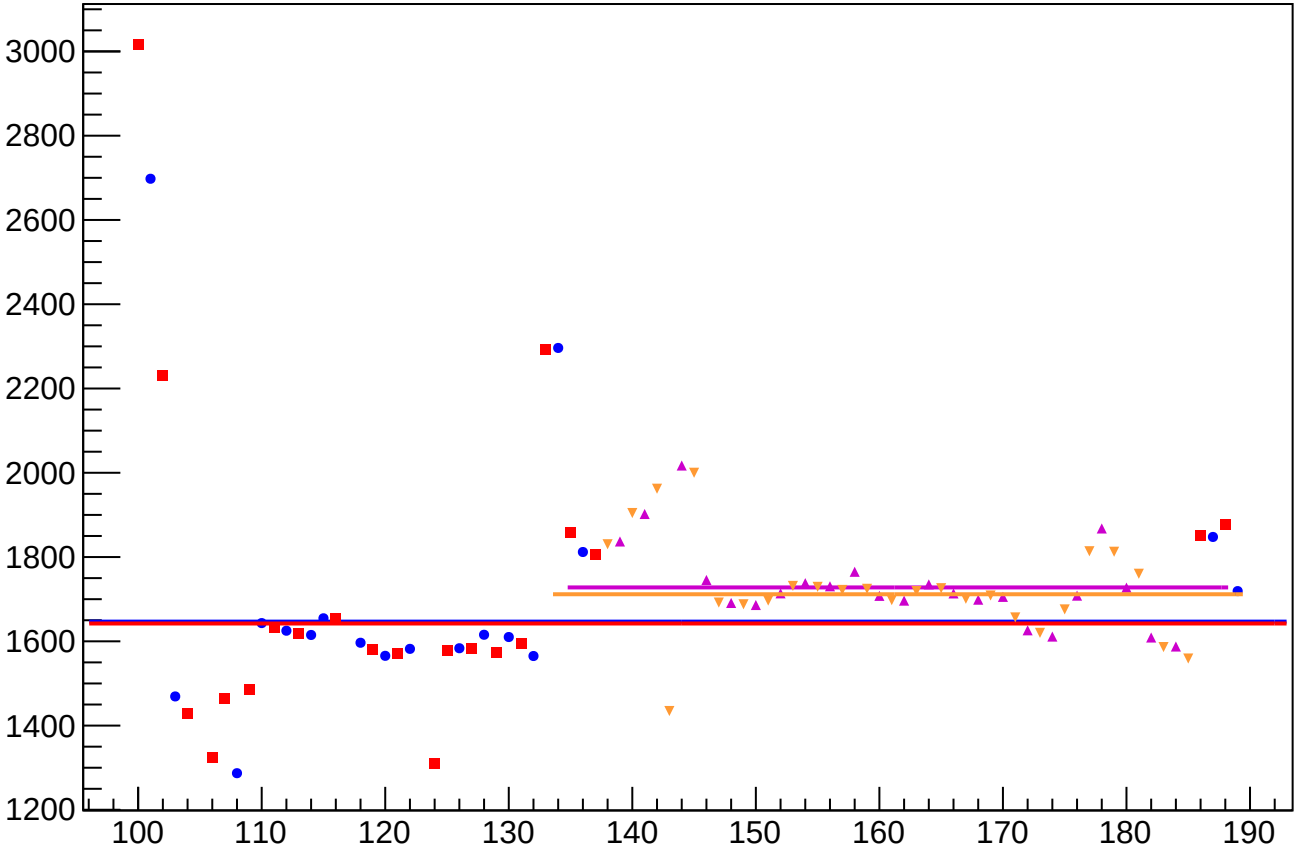
Left In: -185.837+/-404.094 χ^2/NDF:14.4/22

+ sign 715.246+/-325.438 χ^2/NDF: 47.7/42

All: 300.846+/-231.203 χ^2/NDF: 87.5/86

- sign -121.452+/-328.525 χ^2/NDF: 36.5/43

eigen_dit_asym_at2_dd_rms vs Slug



Right In: 1646.760+/-0.418 χ^2/NDF: 368210.2/17

Left Out: 1711.711+/-0.276 χ^2/NDF:168005.1/24

Right Out: 1642.292+/-0.399 χ^2/NDF: 326782.5/20

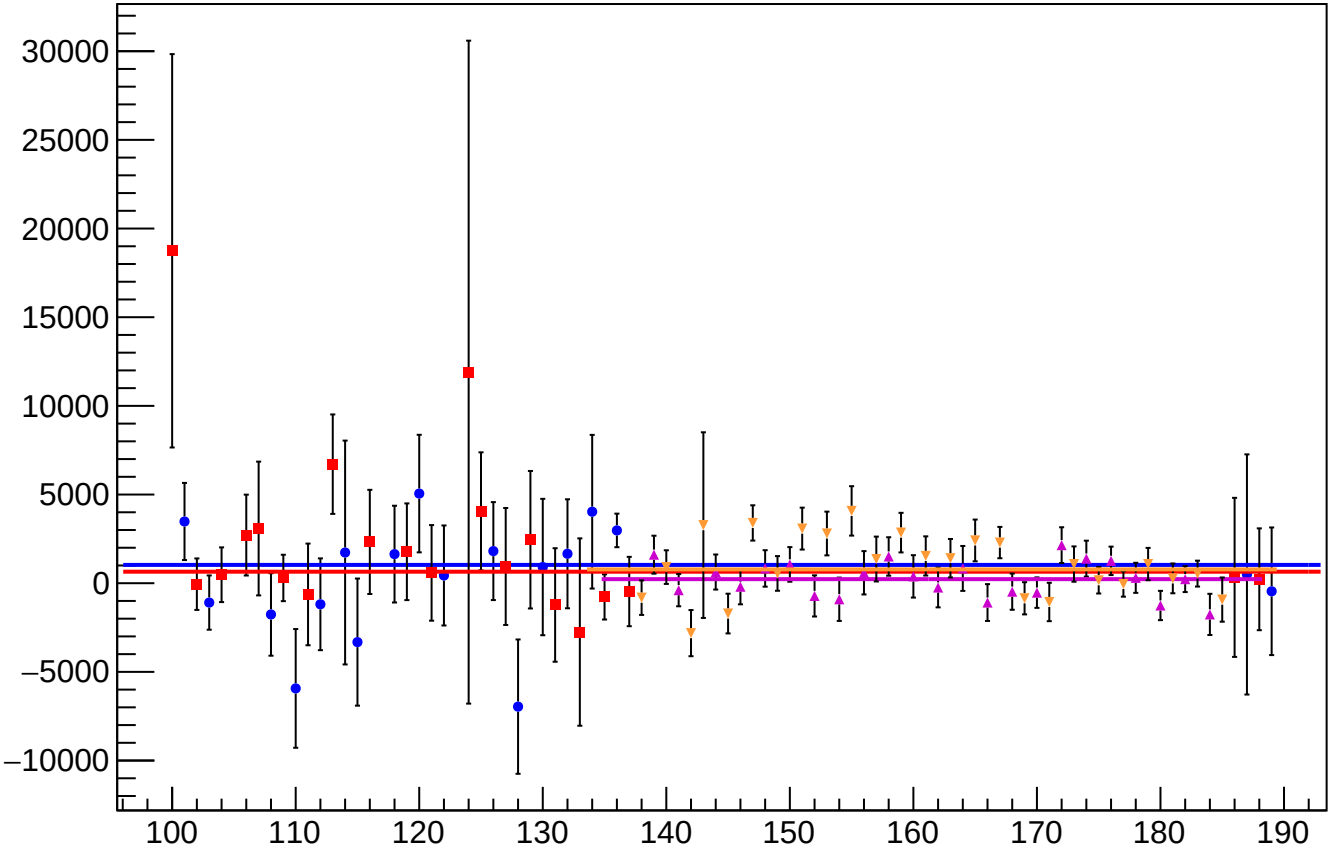
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1692.040+/-0.230 χ^2/NDF: 553035.4/42

All: 1695.429+/-0.163 χ^2/NDF: 1010925.0/86

- sign 1698.883+/-0.232 χ^2/NDF: 457451.8/43

asym_at2_dd_eigen_dit_correction_mean vs Slug



Right In: 1032.207+/-562.581 χ^2/NDF: 22.2/17

Left Out: 778.977+/-201.641 χ^2/NDF:54.5/24

Right Out: 649.213+/-511.629 χ^2/NDF: 13.6/20

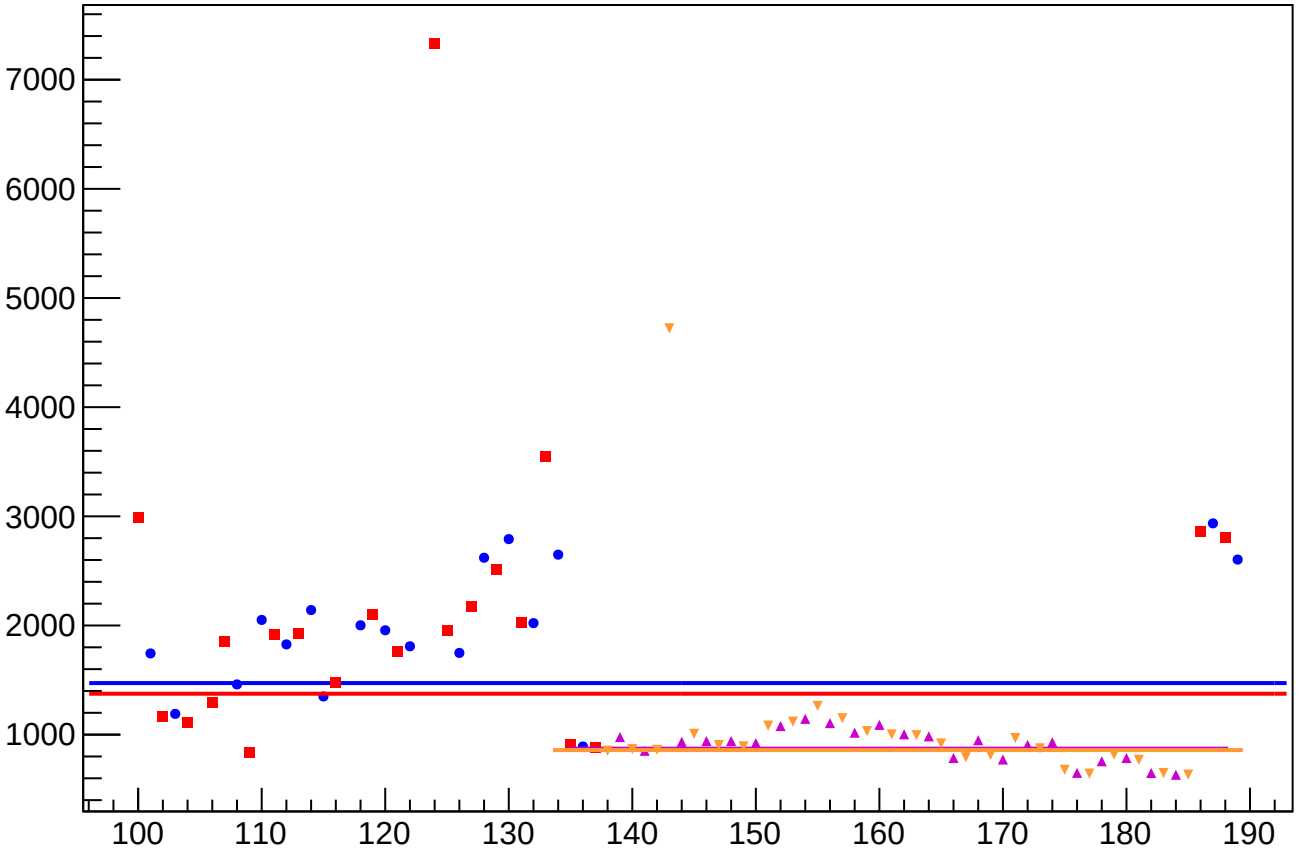
Left In: 228.876+/-206.703 χ^2/NDF:22.6/22

+ sign 807.805+/-189.817 χ^2/NDF: 76.9/42

All: 550.334+/-134.865 χ^2/NDF: 117.4/86

- sign 287.858+/-191.653 χ^2/NDF: 36.8/43

asym_at2_dd_eigen_dit_correction_rms vs Slug



Right In: 1472.473+/-0.398 χ^2/NDF: 2063826.5/17

Left Out: 858.593+/-0.143 χ^2/NDF:2279765.6/24

Right Out: 1374.854+/-0.362 χ^2/NDF: 2937299.6/20

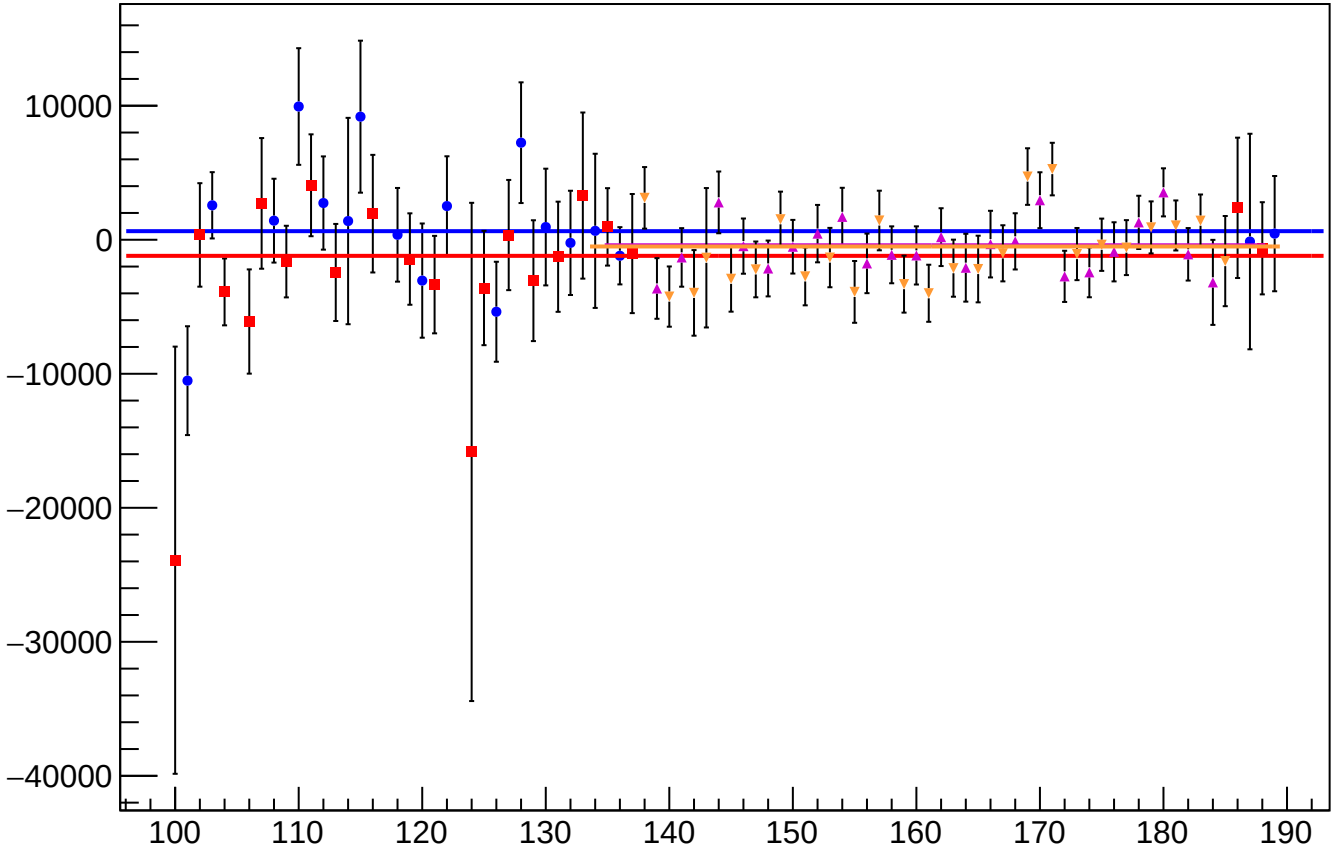
Left In: 871.525+/-0.146 χ^2/NDF:979360.3/22

+ sign 928.478+/-0.134 χ^2/NDF: 6453867.4/42

All: 935.249+/-0.095 χ^2/NDF: 12039690.0/86

- sign 942.153+/-0.136 χ^2/NDF: 5580682.4/43

asym_at2_dd_mean vs Slug



Right In: 641.303+/-884.478 χ^2/NDF: 22.0/17

Left Out: -501.517+/-439.916 χ^2/NDF:35.9/24

Right Out: -1200.583+/-850.686 χ^2/NDF: 11.3/20

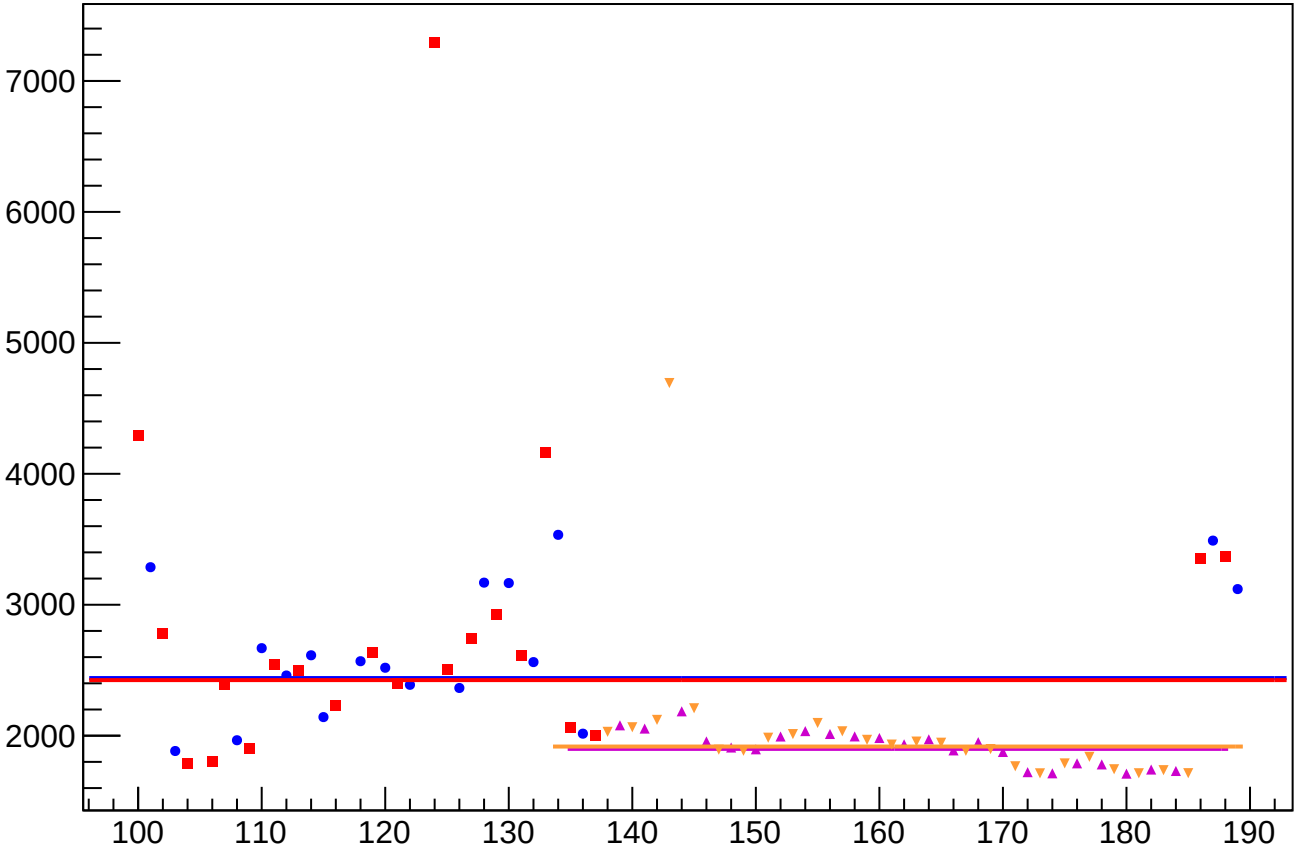
Left In: -411.323+/-444.573 χ^2/NDF:18.9/22

+ sign -274.873+/-393.886 χ^2/NDF: 59.3/42

All: -427.708+/-278.564 χ^2/NDF: 90.4/86

- sign -580.640+/-394.012 χ^2/NDF: 30.9/43

asym_at2_dd_rms vs Slug



Right In: 2440.114+/-0.625 χ^2/NDF: 596575.4/17

Left Out: 1917.157+/-0.311 χ^2/NDF:756385.6/24

Right Out: 2424.528+/-0.602 χ^2/NDF: 914482.8/20

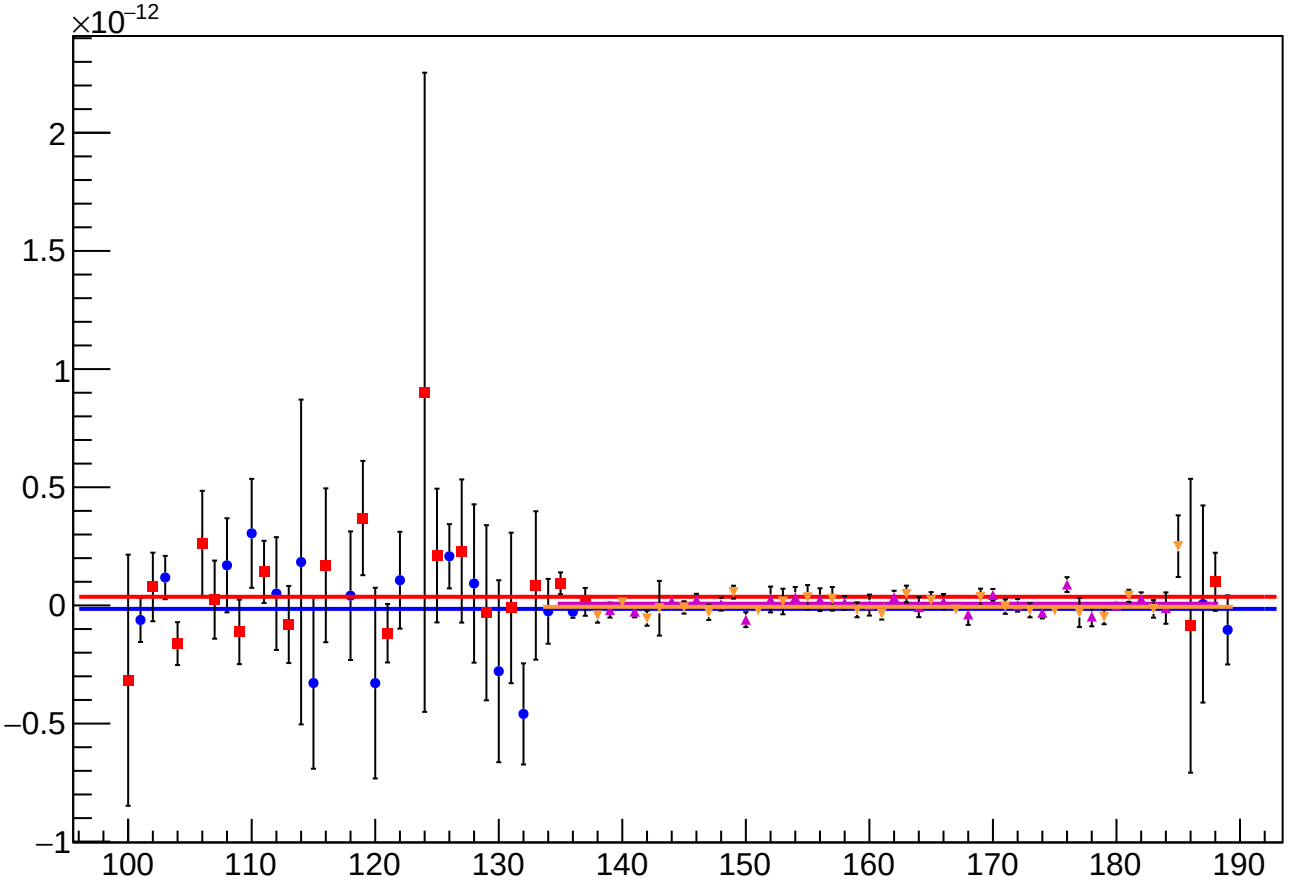
Left In: 1899.245+/-0.314 χ^2/NDF:173376.4/22

+ sign 2020.870+/-0.279 χ^2/NDF: 1913477.2/42

All: 2016.403+/-0.197 χ^2/NDF: 3600834.2/86

- sign 2011.933+/-0.279 χ^2/NDF: 1686842.4/43

asym_at2_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 15.2/17

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 15.5/20

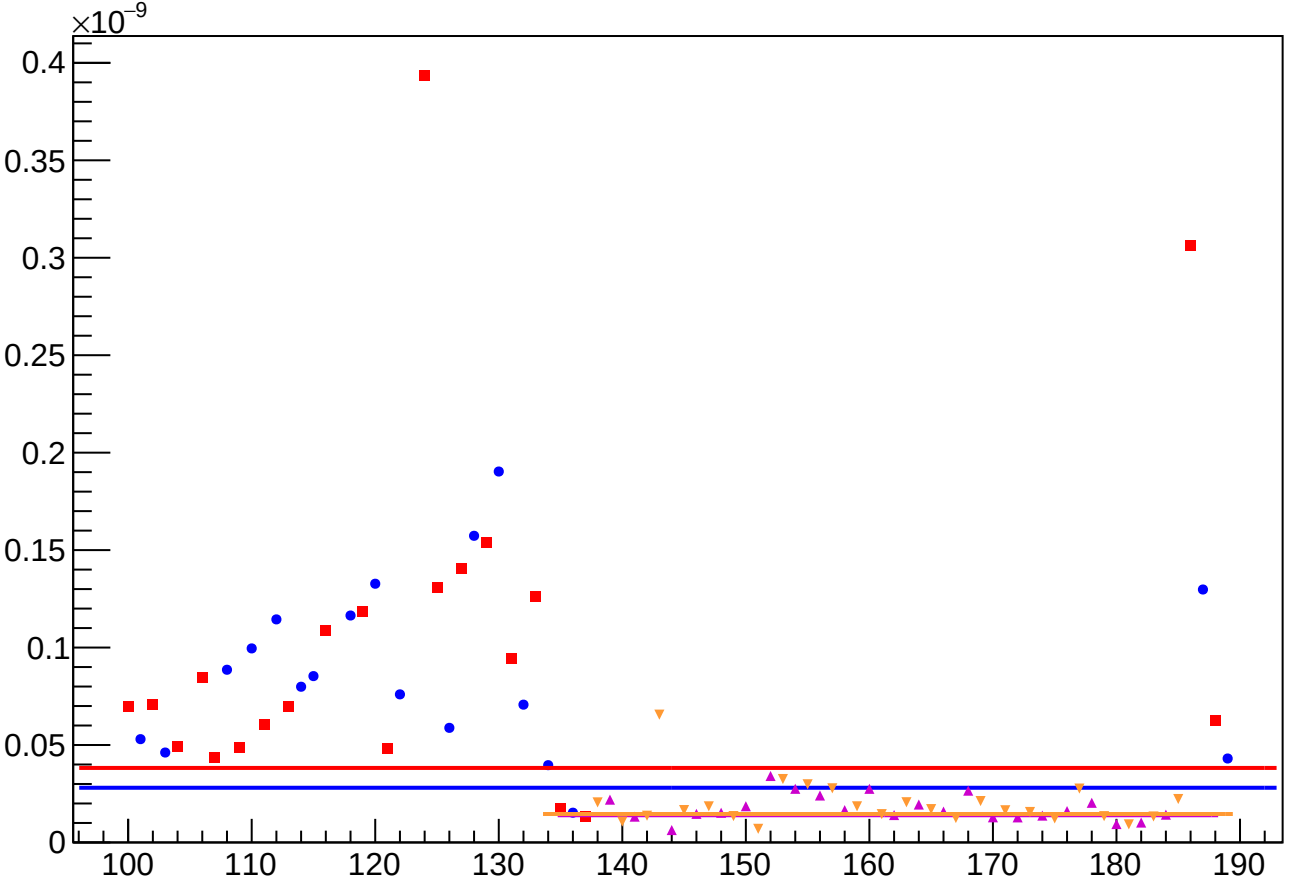
Left In: 0.000+/-0.000 χ^2/NDF:25.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 43.9/42

All: 0.000+/-0.000 χ^2/NDF: 89.0/86

- sign 0.000+/-0.000 χ^2/NDF: 41.6/43

asym_at2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2869663.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:1874636.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2899791.0/20

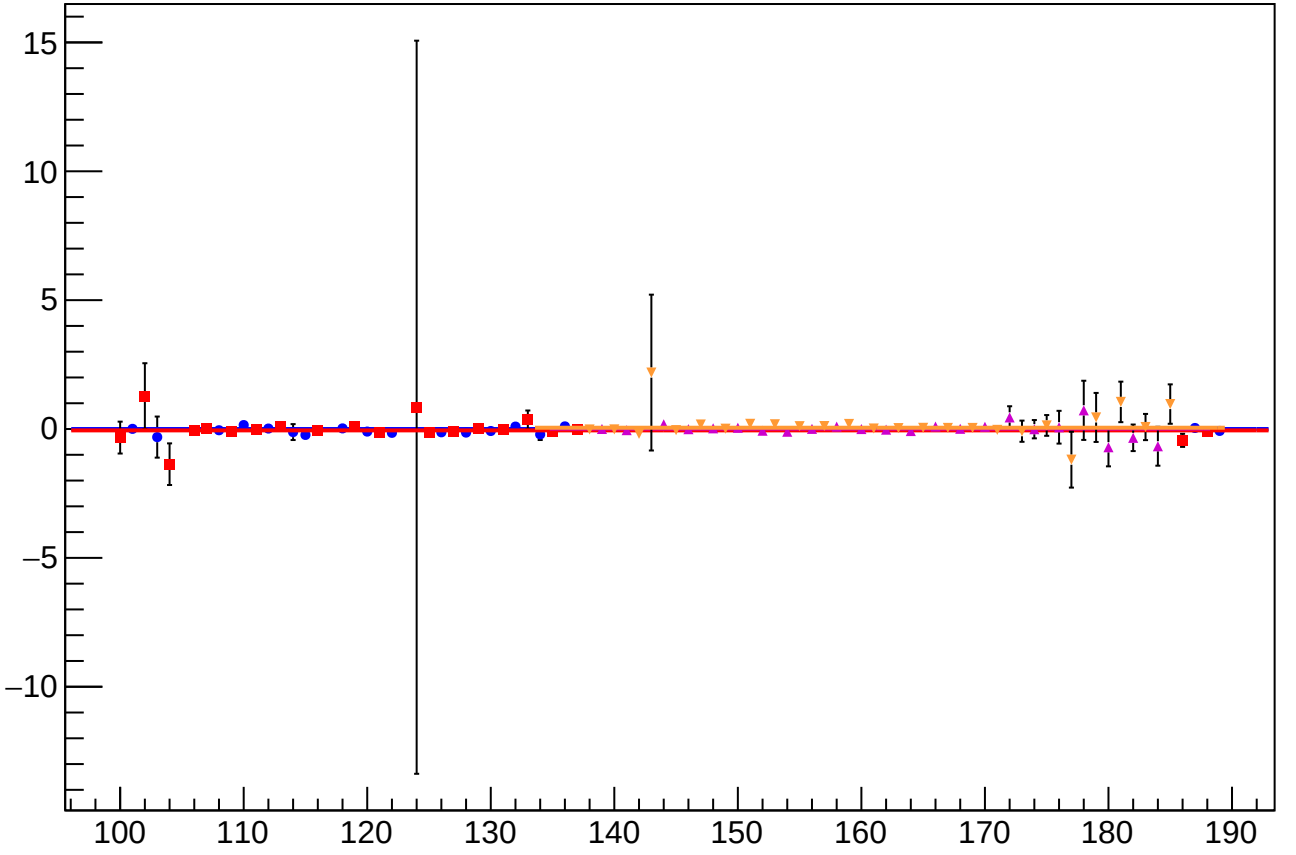
Left In: 0.000+/-0.000 χ^2/NDF:1944578.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 5448745.2/42

All: 0.000+/-0.000 χ^2/NDF: 11813854.7/86

- sign 0.000+/-0.000 χ^2/NDF: 6358511.1/43

asym_at2_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.001+/-0.026 χ^2/NDF: 13.9/17

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.053+/-0.023 χ^2/NDF: 15.4/20

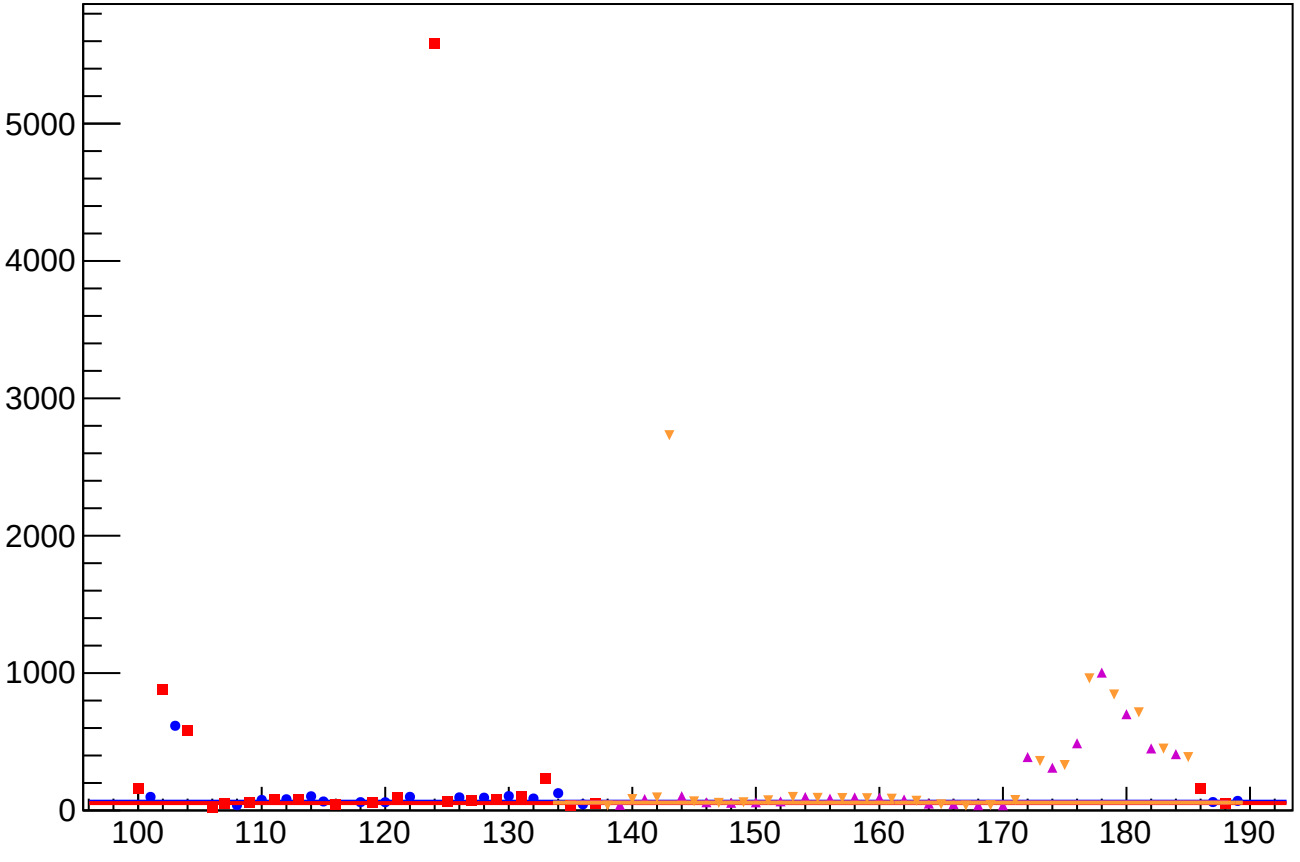
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.034+/-0.014 χ^2/NDF: 41.1/42

All: 0.013+/-0.010 χ^2/NDF: 82.6/86

- sign -0.007+/-0.014 χ^2/NDF: 37.1/43

asym_at2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 63.797+/-0.018 χ^2/NDF: 2453033.7/17

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 53.607+/-0.016 χ^2/NDF: 4301469.3/20

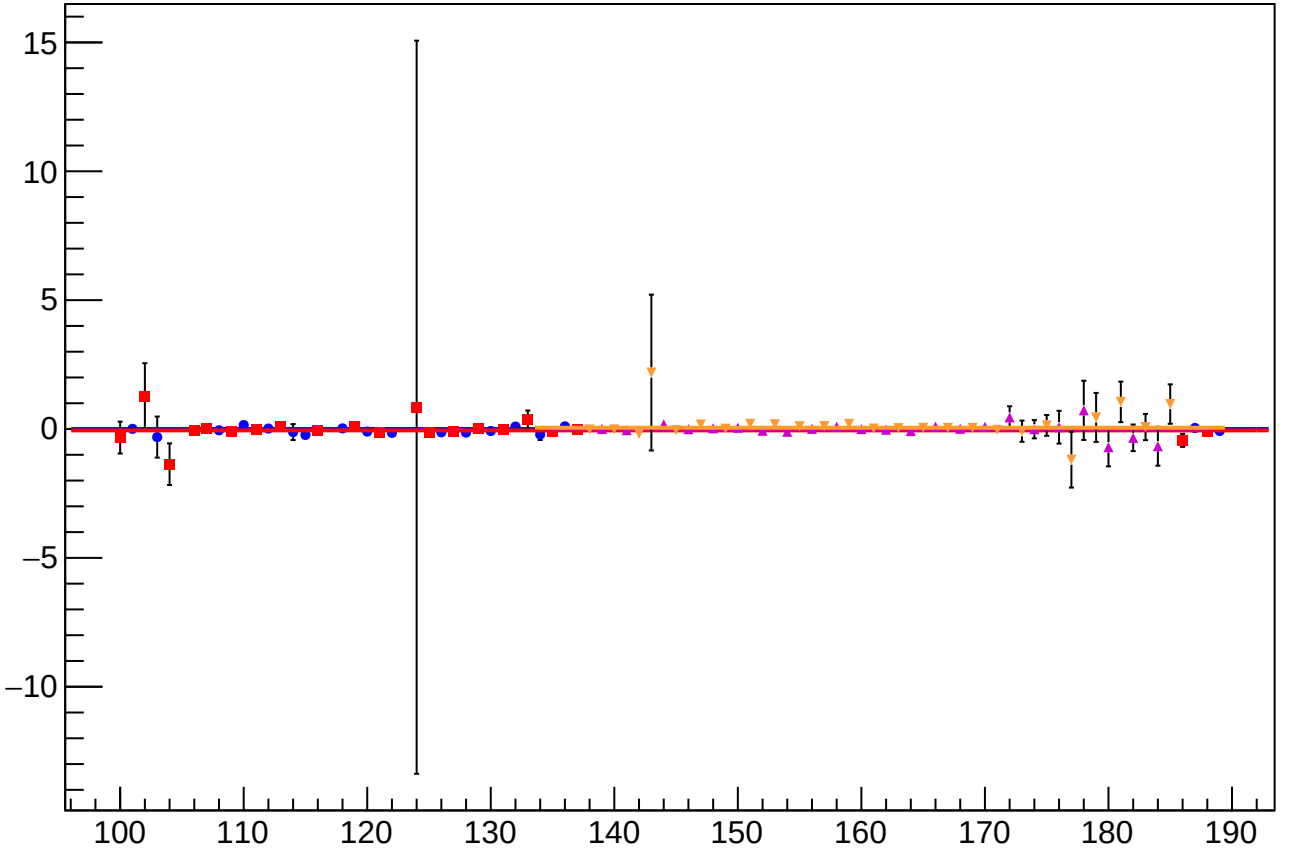
Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

+ sign 59.238+/-0.010 χ^2/NDF: 14864280.7/42

All: 57.956+/-0.007 χ^2/NDF: 29505979.9/86

- sign 56.772+/-0.010 χ^2/NDF: 14610425.1/43

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001+/-0.026 χ^2/NDF: 13.9/17

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.053+/-0.023 χ^2/NDF: 15.4/20

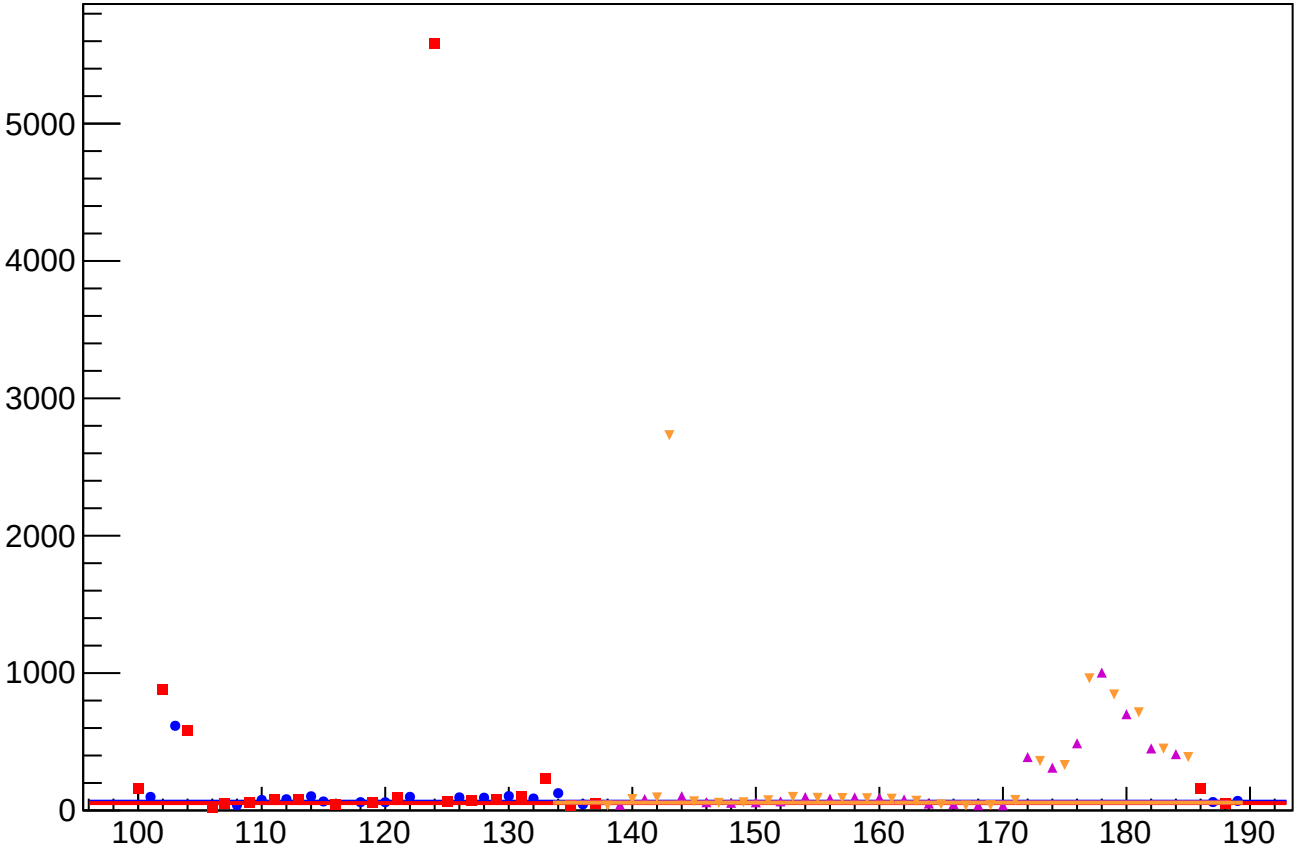
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.034+/-0.014 χ^2/NDF: 41.1/42

All: 0.013+/-0.010 χ^2/NDF: 82.6/86

- sign -0.007+/-0.014 χ^2/NDF: 37.1/43

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 63.797+/-0.018 χ^2/NDF: 2453033.7/17

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

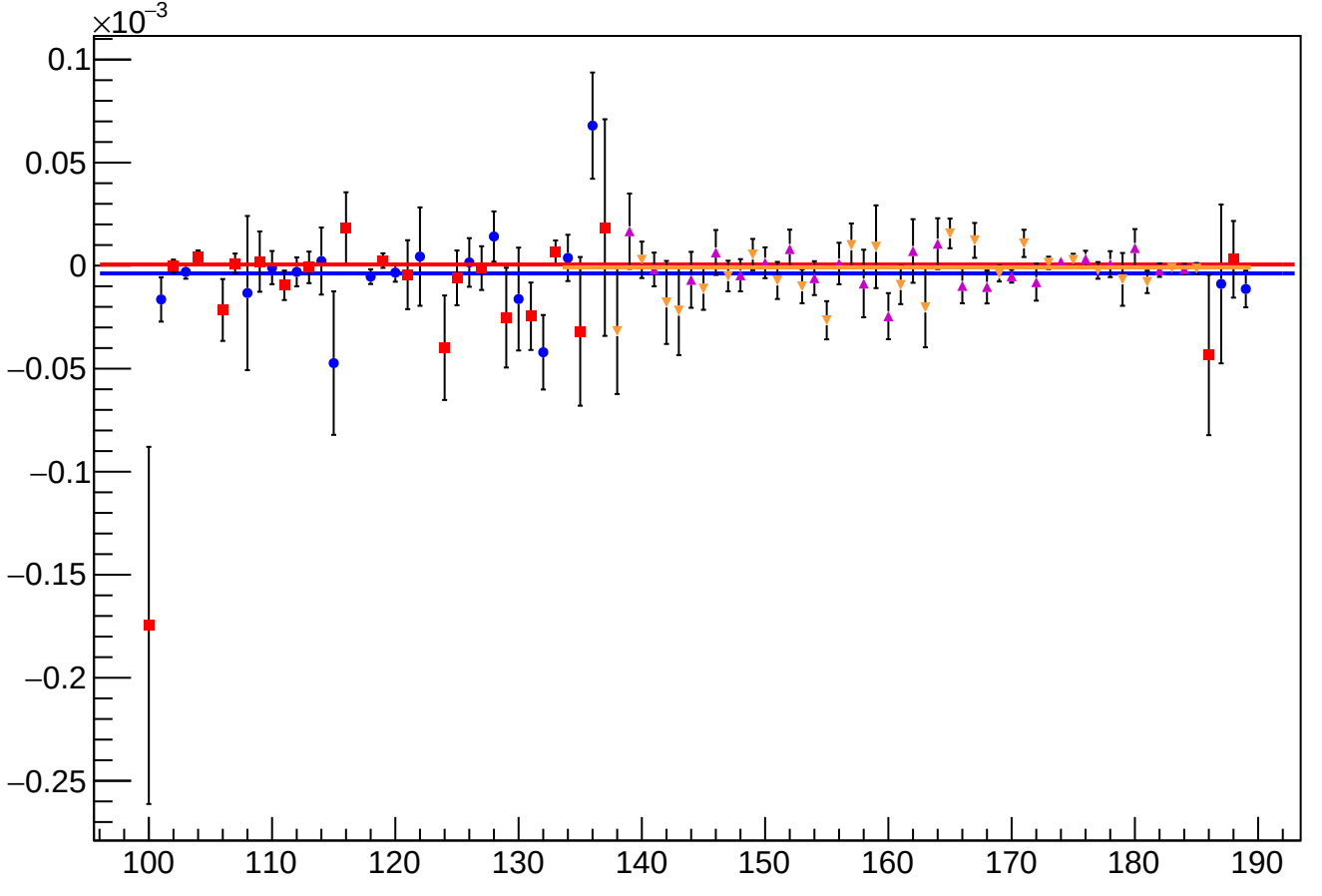
Right Out: 53.607+/-0.016 χ^2/NDF: 4301469.3/20

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

\+ sign 59.238+/-0.010 χ^2/NDF: 14864280.7/42

All: 57.956+/-0.007 χ^2/NDF: 29505979.9/86

\- sign 56.772+/-0.010 χ^2/NDF: 14610425.1/43



Right In: -0.000+/-0.000 χ^2/NDF: 19.7/17

Left Out: -0.000+/-0.000 χ^2/NDF:32.8/24

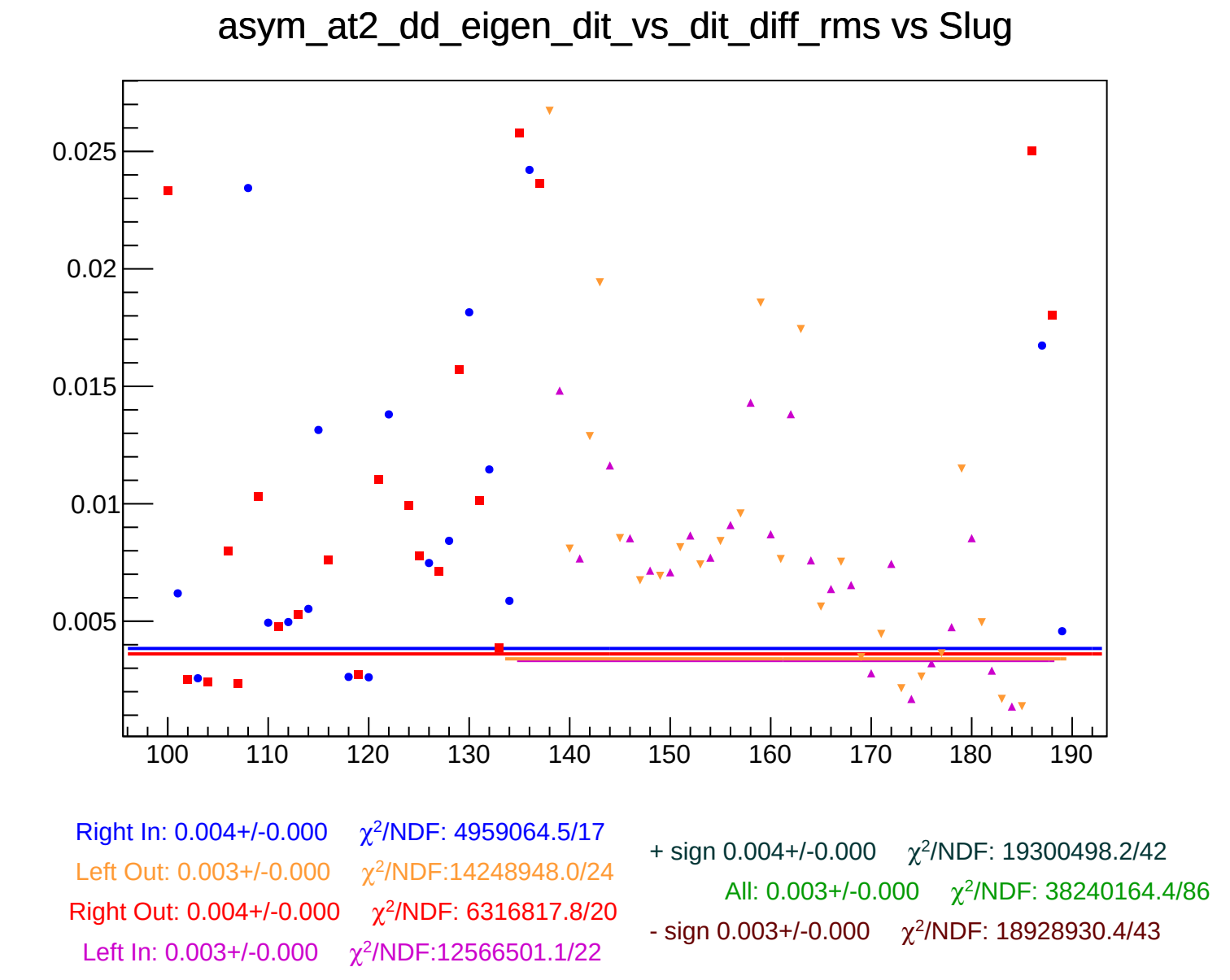
Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/20

Left In: -0.000+/-0.000 χ^2/NDF:18.8/22

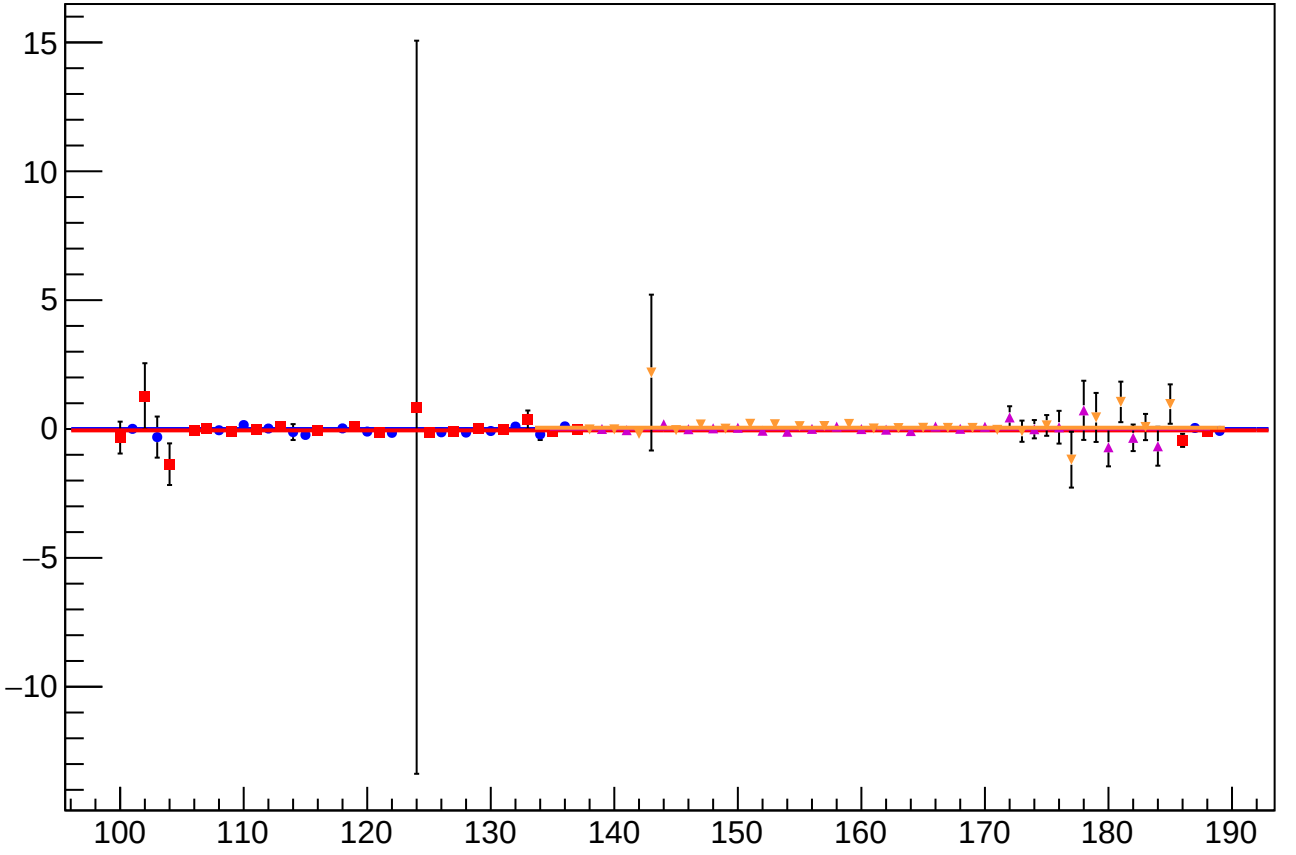
+ sign -0.000+/-0.000 χ^2/NDF: 54.5/42

All: -0.000+/-0.000 χ^2/NDF: 95.2/86

- sign -0.000+/-0.000 χ^2/NDF: 39.7/43


asym_at2_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
180
190
Right In: 0.004+/-0.000 χ²/NDF: 4959064.5/17
Left Out: 0.003+/-0.000 χ²/NDF:14248948.0/24
Right Out: 0.004+/-0.000 χ²/NDF: 6316817.8/20
Left In: 0.003+/-0.000 χ²/NDF:12566501.1/22
+ sign 0.004+/-0.000 χ²/NDF: 19300498.2/42
All: 0.003+/-0.000 χ²/NDF: 38240164.4/86
- sign 0.003+/-0.000 χ²/NDF: 18928930.4/43

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.001+/-0.026 χ^2/NDF: 13.9/17

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.053+/-0.023 χ^2/NDF: 15.4/20

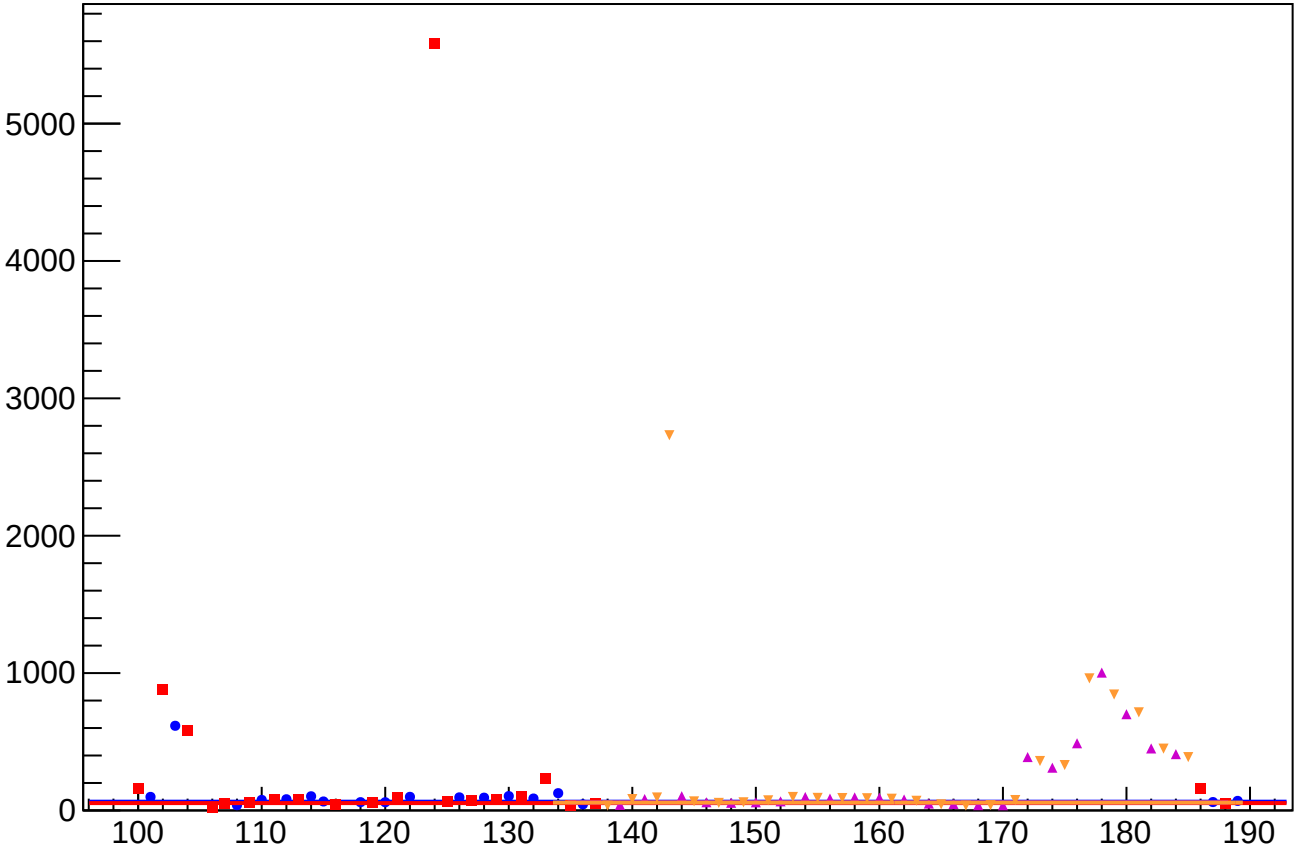
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.034+/-0.014 χ^2/NDF: 41.1/42

All: 0.013+/-0.010 χ^2/NDF: 82.6/86

- sign -0.007+/-0.014 χ^2/NDF: 37.1/43

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 63.805+/-0.018 χ^2/NDF: 2452106.1/17

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

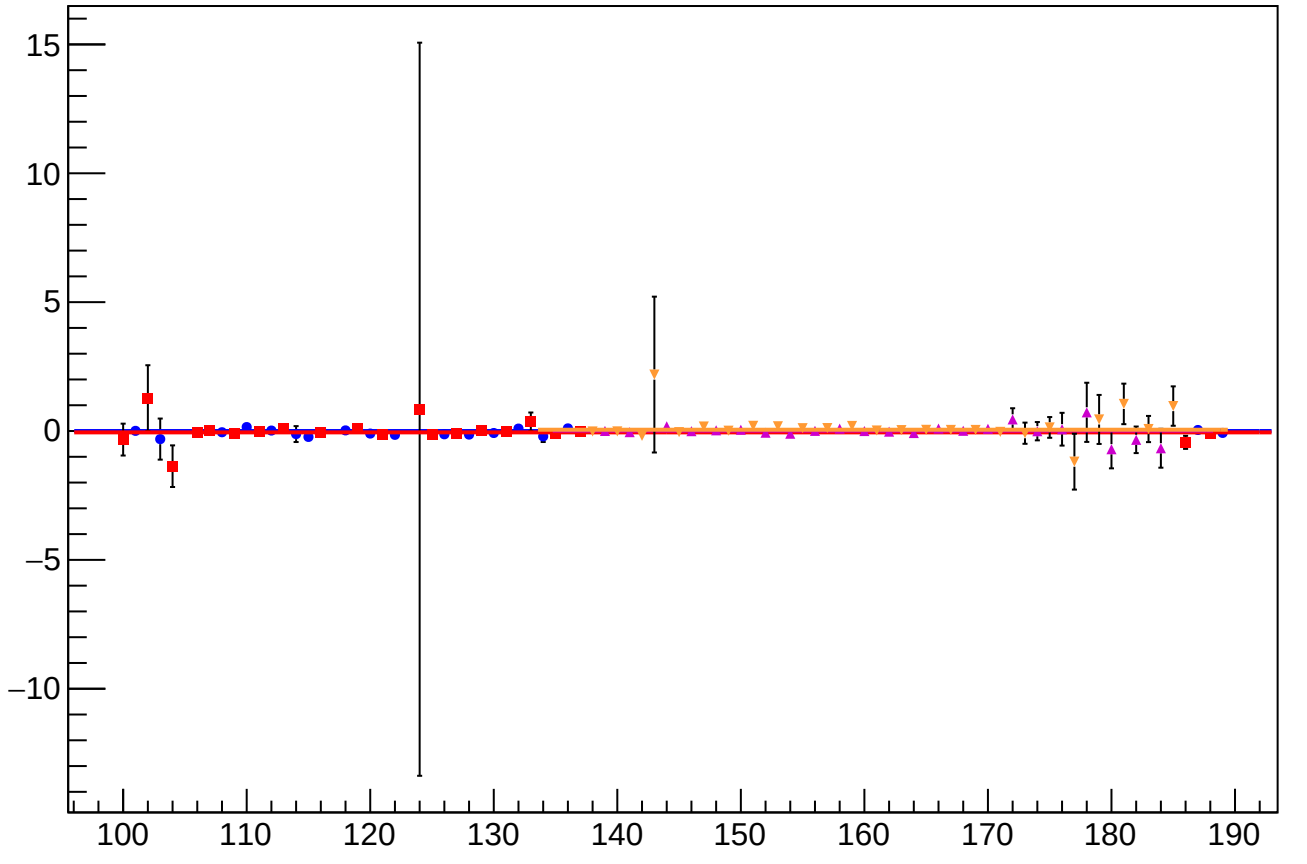
Right Out: 53.602+/-0.016 χ^2/NDF: 4302063.6/20

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

\+ sign 59.239+/-0.010 χ^2/NDF: 14863336.3/42

All: 57.956+/-0.007 χ^2/NDF: 29505354.7/86

\- sign 56.772+/-0.010 χ^2/NDF: 14610698.3/43



Right In: -0.001+/-0.026 χ^2/NDF: 13.9/17

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

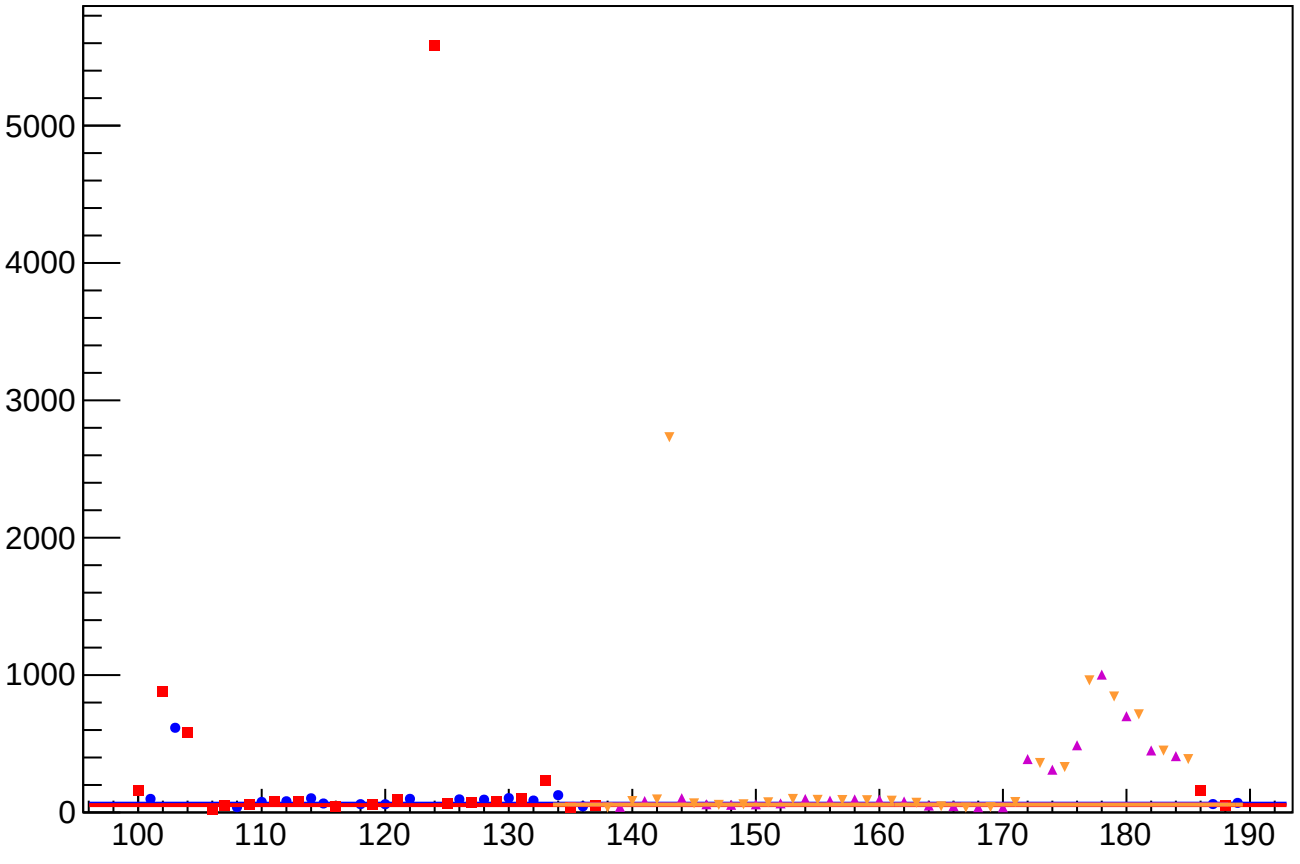
Right Out: -0.053+/-0.023 χ^2/NDF: 15.4/20

Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.034+/-0.014 χ^2/NDF: 41.1/42

All: 0.013+/-0.010 χ^2/NDF: 82.6/86

- sign -0.007+/-0.014 χ^2/NDF: 37.1/43



Right In: 63.805+/-0.018 χ^2/NDF: 2452106.1/17

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 53.602+/-0.016 χ^2/NDF: 4302063.6/20

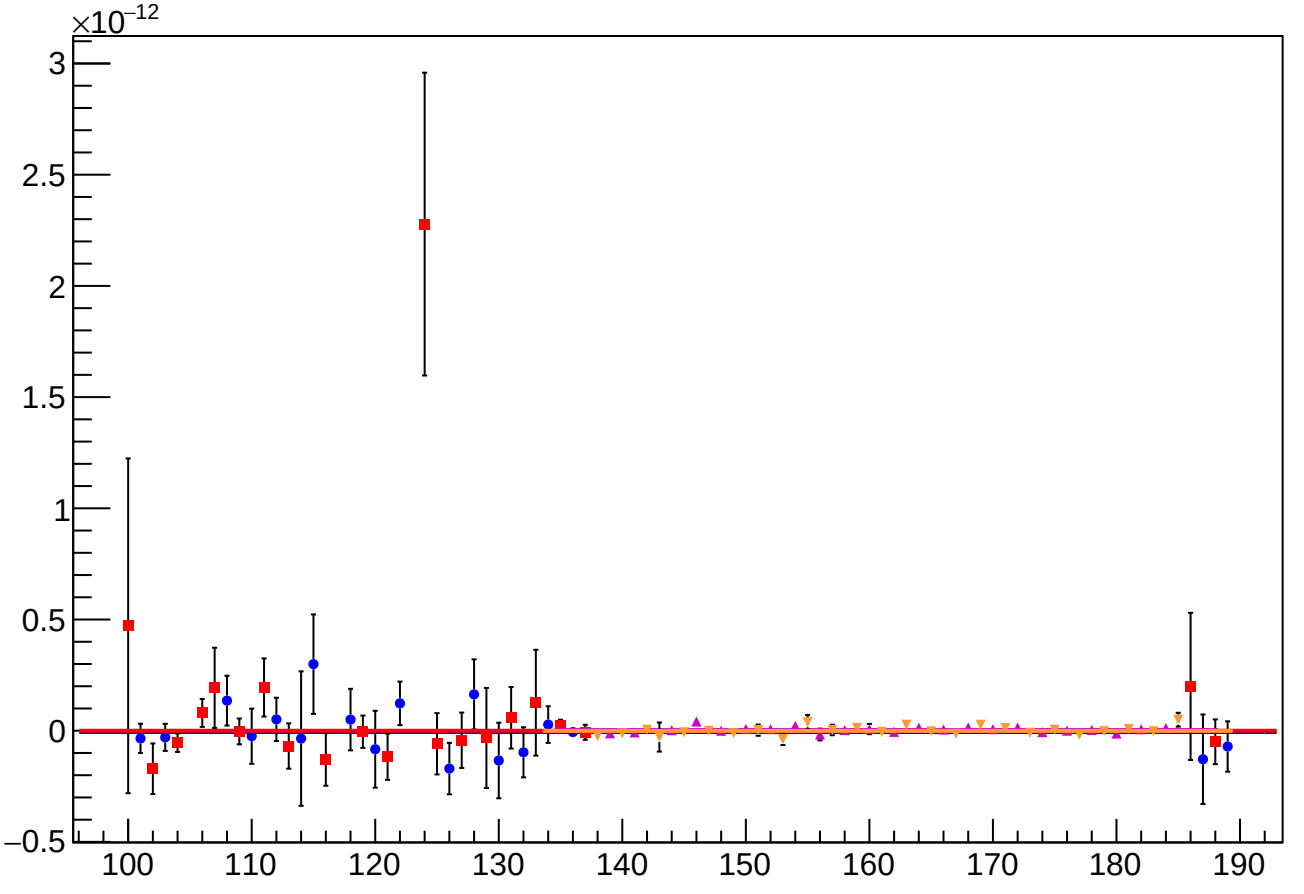
Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

\+ sign 59.239+/-0.010 χ^2/NDF: 14863336.3/42

All: 57.956+/-0.007 χ^2/NDF: 29505354.7/86

\- sign 56.772+/-0.010 χ^2/NDF: 14610698.3/43

asym_at2_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/17

Left Out: -0.000+/-0.000 χ^2/NDF:18.8/24

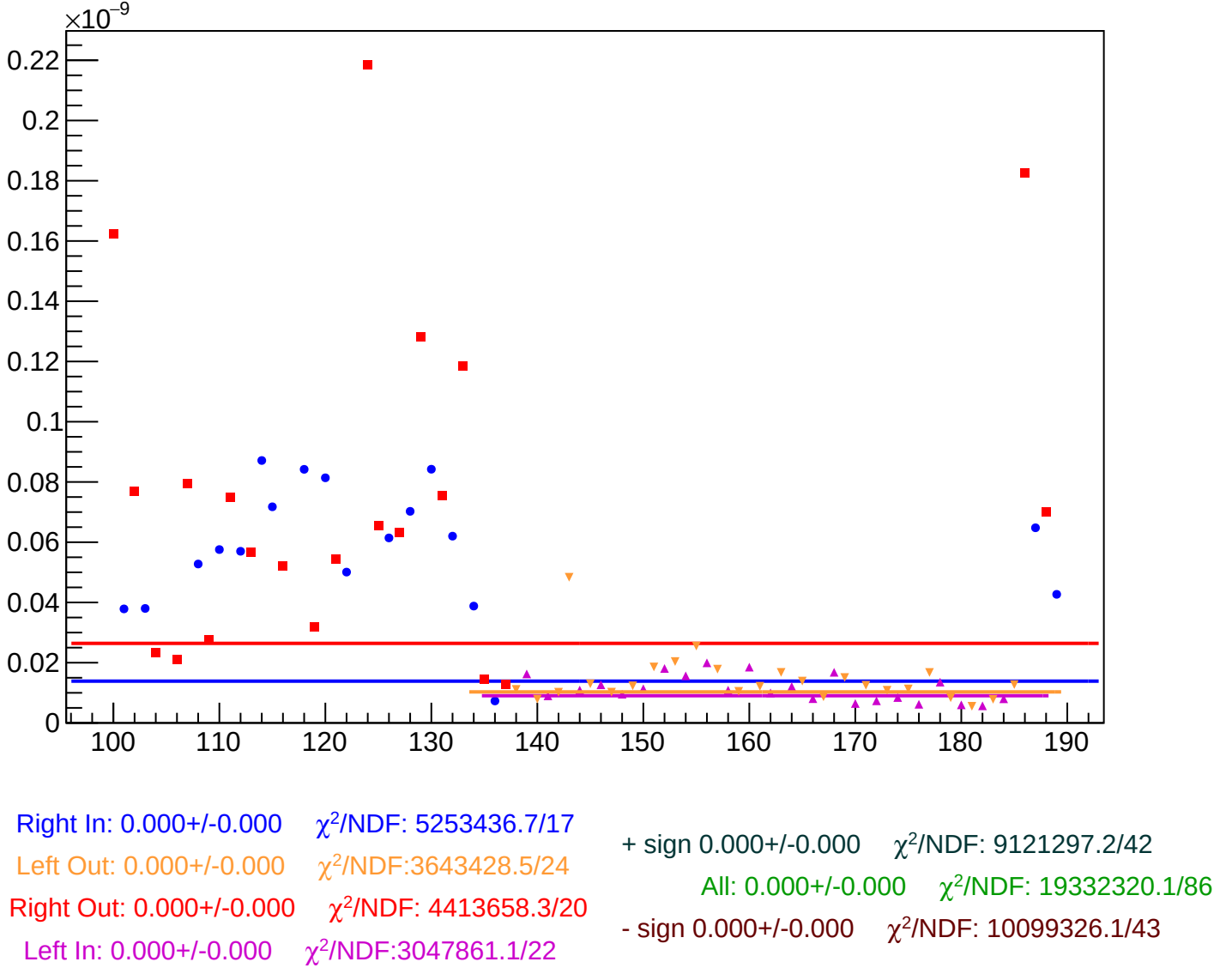
Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/20

Left In: 0.000+/-0.000 χ^2/NDF:15.4/22

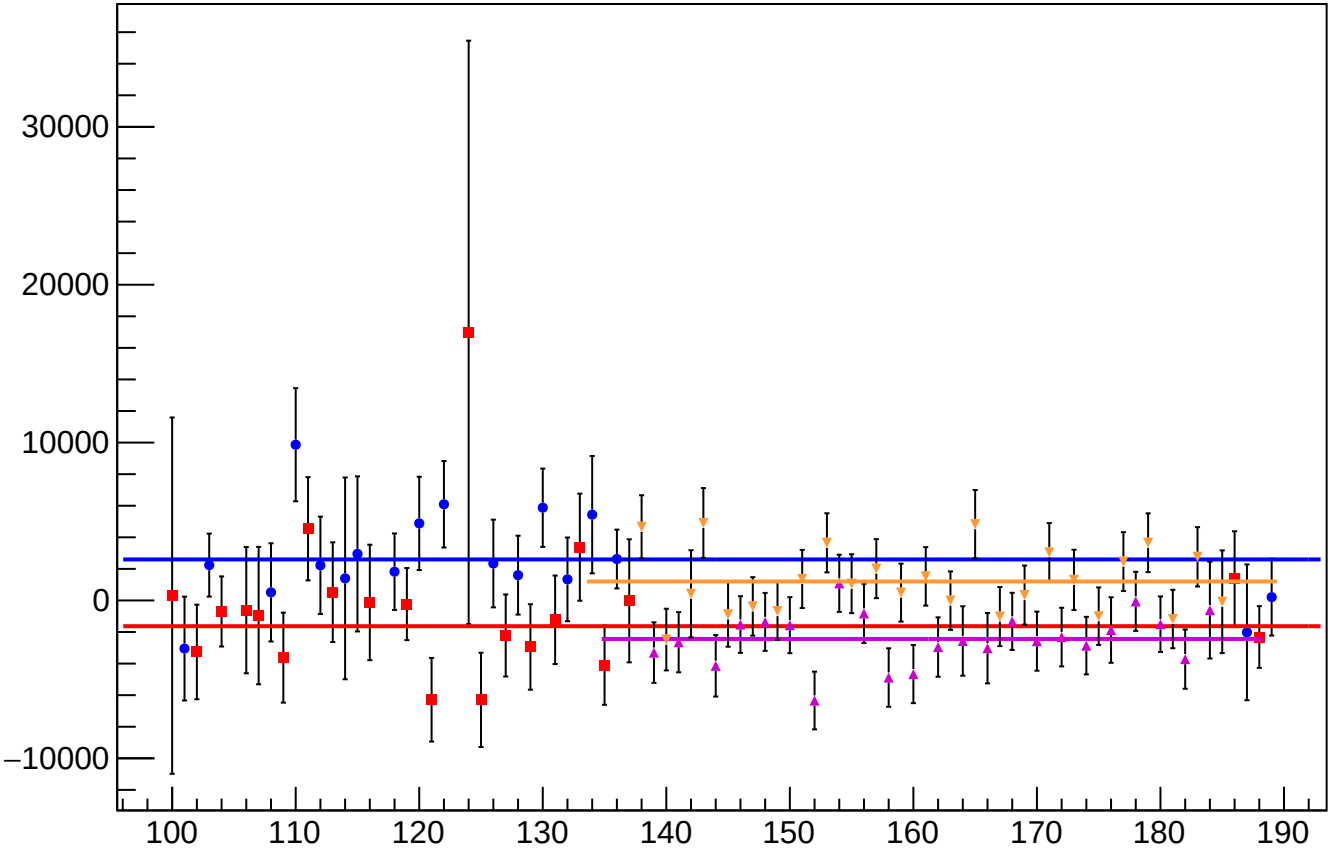
+ sign -0.000+/-0.000 χ^2/NDF: 30.6/42

All: 0.000+/-0.000 χ^2/NDF: 72.6/86

- sign 0.000+/-0.000 χ^2/NDF: 41.2/43


asym_at2_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 5253436.7/17
Left Out: 0.000+/-0.000 χ²/NDF:3643428.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 4413658.3/20
Left In: 0.000+/-0.000 χ²/NDF:3047861.1/22
+ sign 0.000+/-0.000 χ²/NDF: 9121297.2/42
All: 0.000+/-0.000 χ²/NDF: 19332320.1/86
- sign 0.000+/-0.000 χ²/NDF: 10099326.1/43

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2597.779+/-660.419 χ^2/NDF: 14.8/17

Left Out: 1202.401+/-389.137 χ^2/NDF:26.3/24

Right Out: -1631.048+/-649.198 χ^2/NDF: 16.9/20

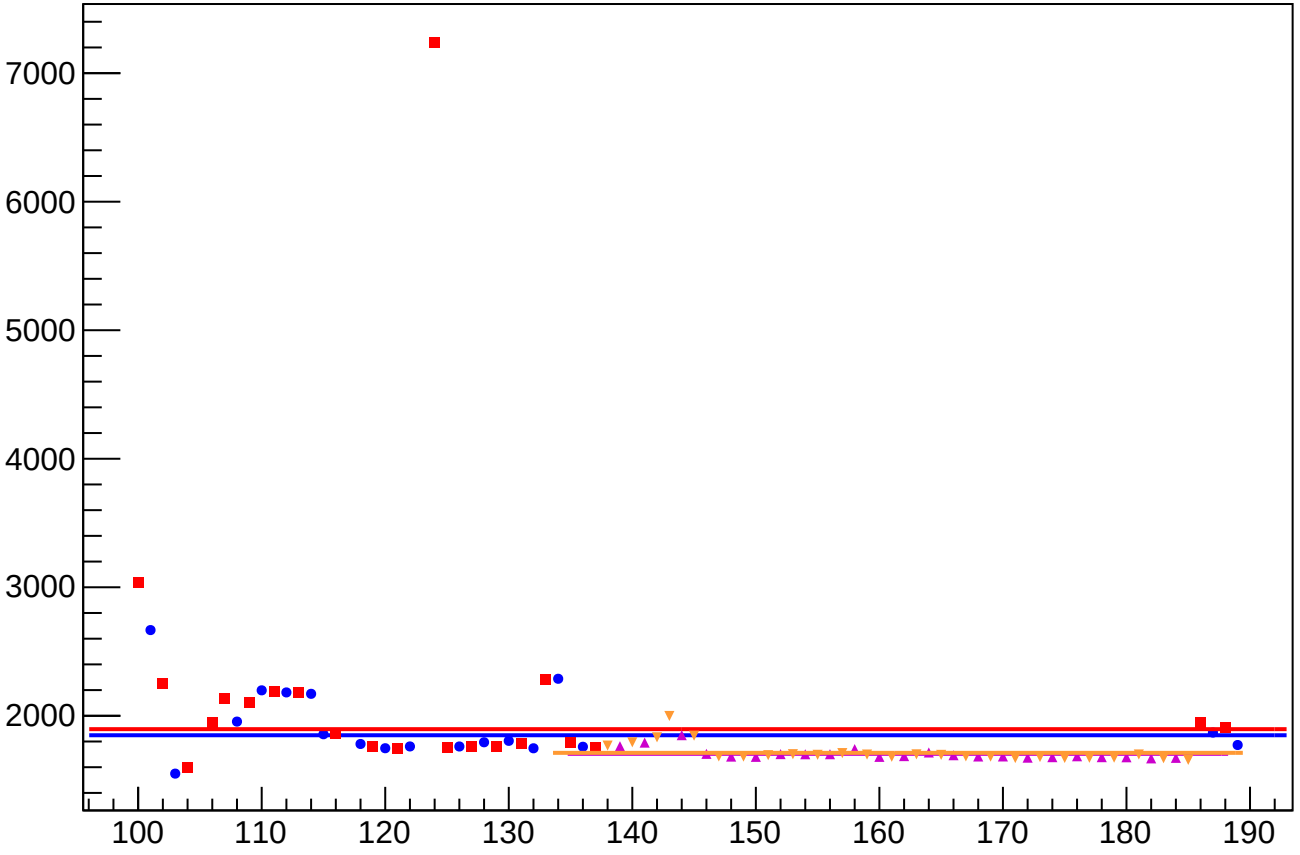
Left In: -2439.008+/-397.969 χ^2/NDF:17.5/22

+ sign 1562.008+/-335.265 χ^2/NDF: 44.4/42

All: -305.589+/-238.479 χ^2/NDF: 142.7/86

- sign -2218.318+/-339.292 χ^2/NDF: 35.6/43

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1848.666+/-0.467 χ^2/NDF: 265446.5/17

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1896.090+/-0.458 χ^2/NDF: 364780.9/20

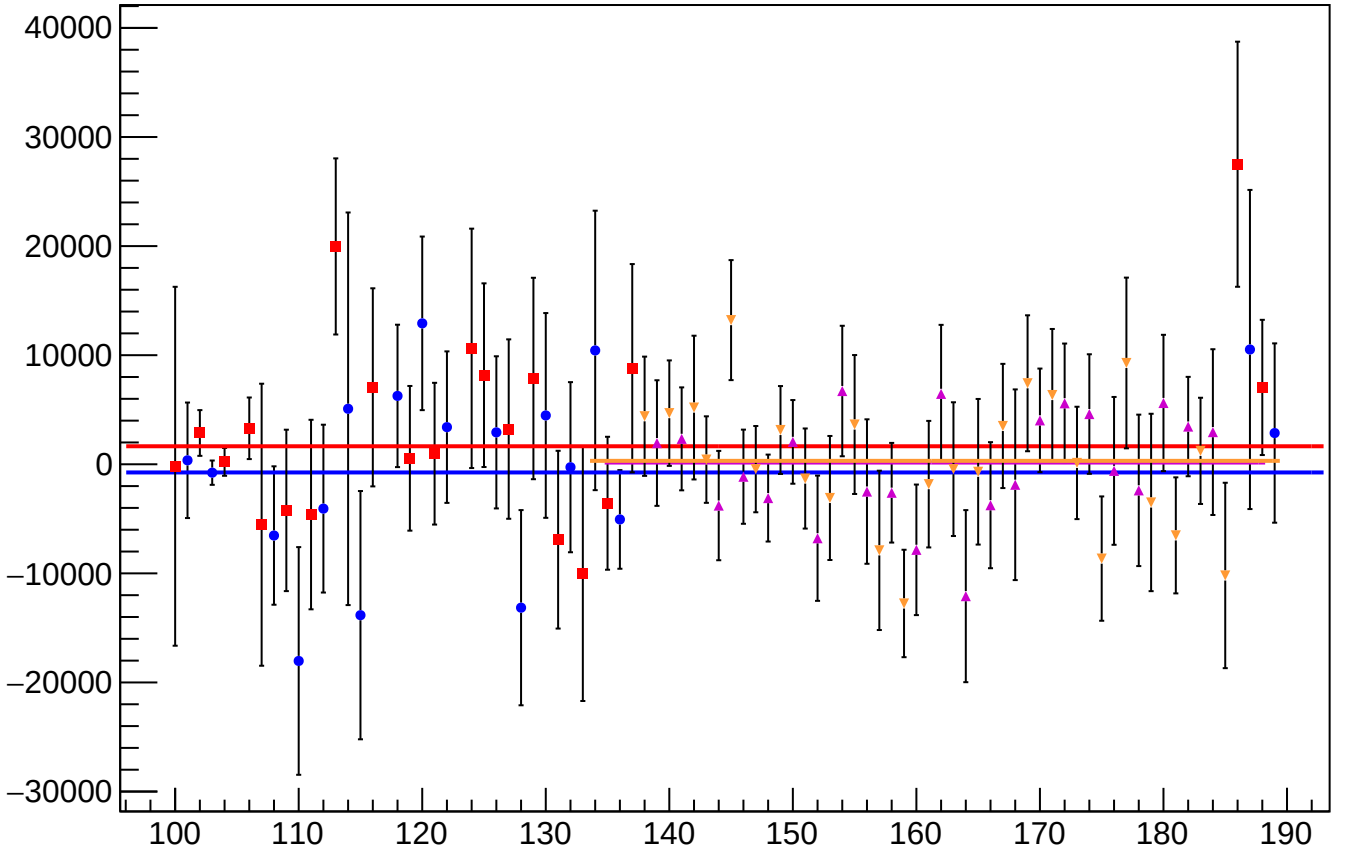
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1747.055+/-0.237 χ^2/NDF: 389298.0/42

All: 1751.771+/-0.169 χ^2/NDF: 905124.5/86

- sign 1756.595+/-0.240 χ^2/NDF: 515025.9/43

asym_atl1r2_avg_reg_correction_mean vs Slug



Right In: -749.541+/-954.341 χ^2/NDF: 14.7/17

Left Out: 314.051+/-1091.976 χ^2/NDF:27.0/24

Right Out: 1651.161+/-903.150 χ^2/NDF: 20.2/20

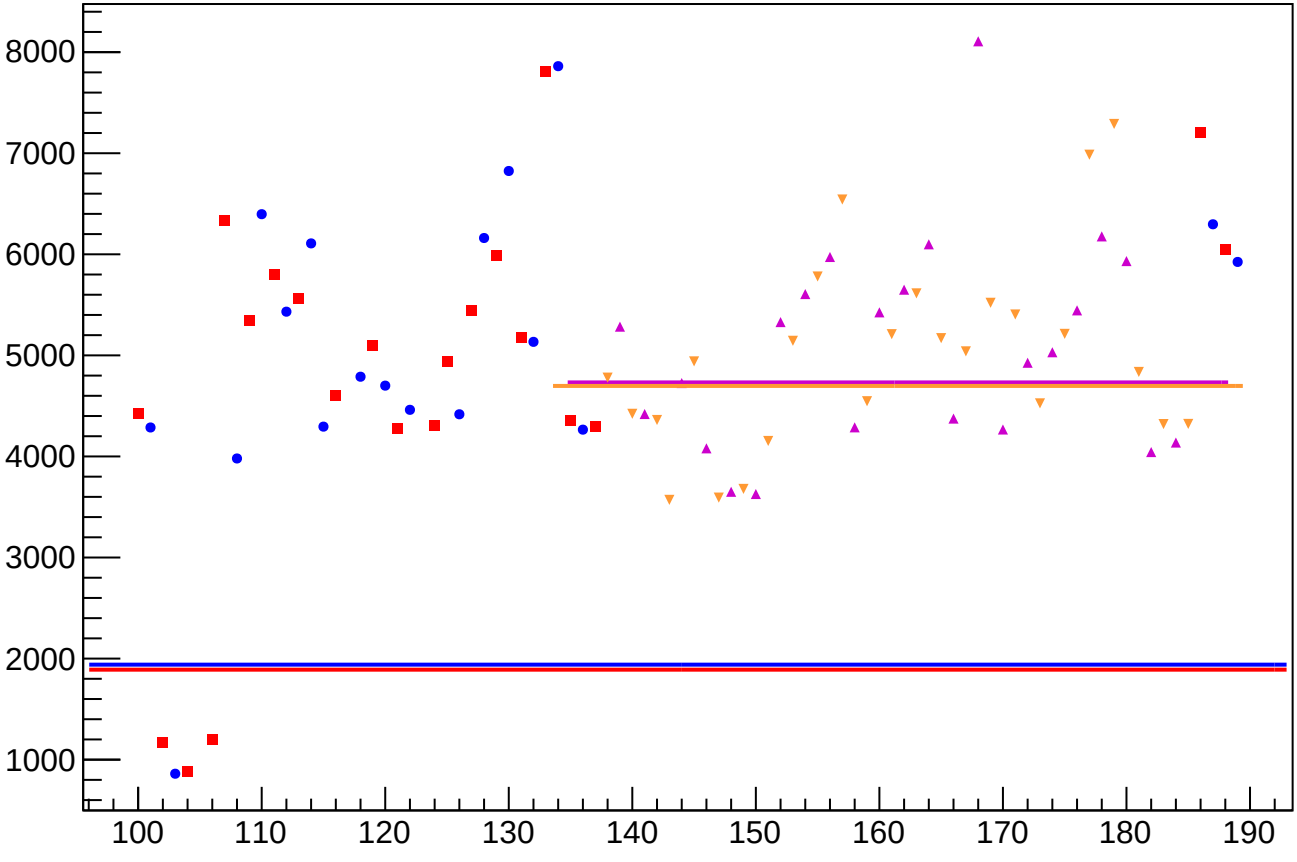
Left In: 157.968+/-1128.443 χ^2/NDF:14.7/22

+ sign -288.960+/-718.586 χ^2/NDF: 42.2/42

All: 402.424+/-503.289 χ^2/NDF: 80.0/86

- sign 1068.140+/-705.121 χ^2/NDF: 35.9/43

asym_atl1r2_avg_reg_correction_rms vs Slug



Right In: 1939.976+/-0.675 χ^2/NDF: 7508815.0/17

Left Out: 4697.622+/-0.772 χ^2/NDF:1239373.0/24

Right Out: 1890.375+/-0.639 χ^2/NDF: 7819574.2/20

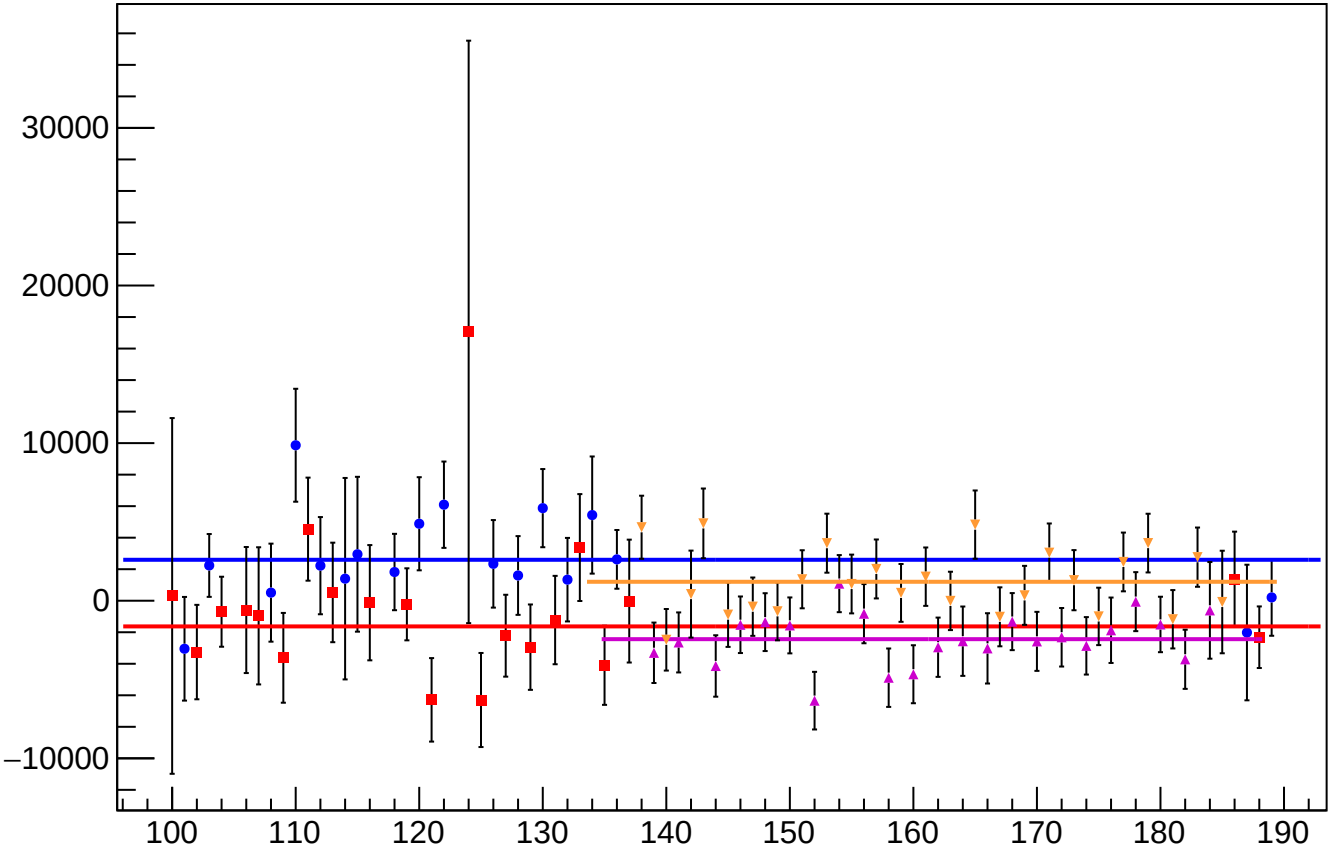
Left In: 4732.424+/-0.798 χ^2/NDF:1242793.9/22

+ sign 3134.156+/-0.508 χ^2/NDF: 15979728.4/42

All: 3065.839+/-0.356 χ^2/NDF: 32810461.9/8

- sign 3000.059+/-0.499 χ^2/NDF: 16795250.8/43

cor_asym_atl1r2_avg_mean vs Slug



Right In: 2597.898+/-660.419 χ^2/NDF: 14.8/17

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: -1629.879+/-649.199 χ^2/NDF: 16.9/20

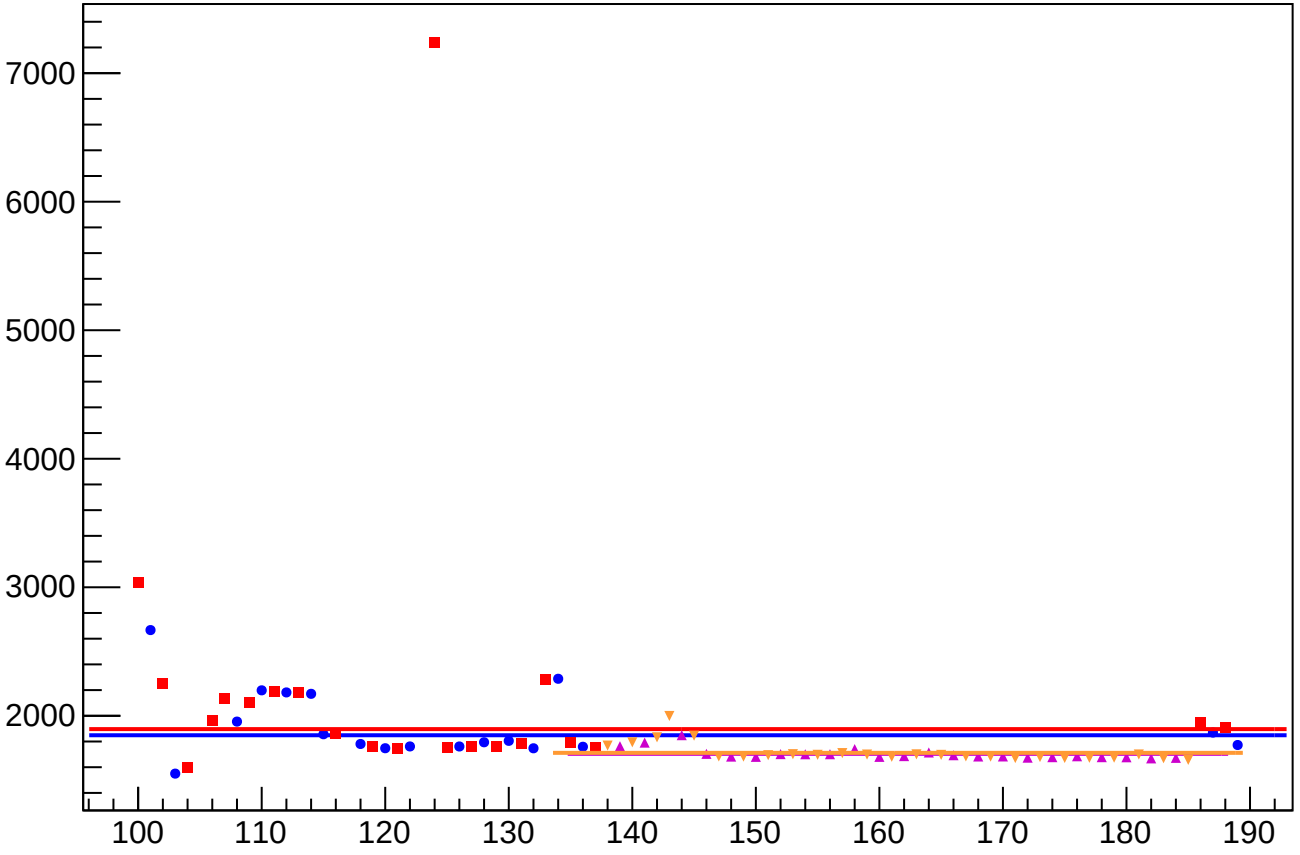
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1561.967+/-335.265 χ^2/NDF: 44.4/42

All: -305.427+/-238.479 χ^2/NDF: 142.8/86

- sign -2217.950+/-339.292 χ^2/NDF: 35.6/43

cor_asym_atl1r2_avg_rms vs Slug



Right In: 1848.666+/-0.467 χ^2/NDF: 265446.4/17

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1896.479+/-0.458 χ^2/NDF: 365005.6/20

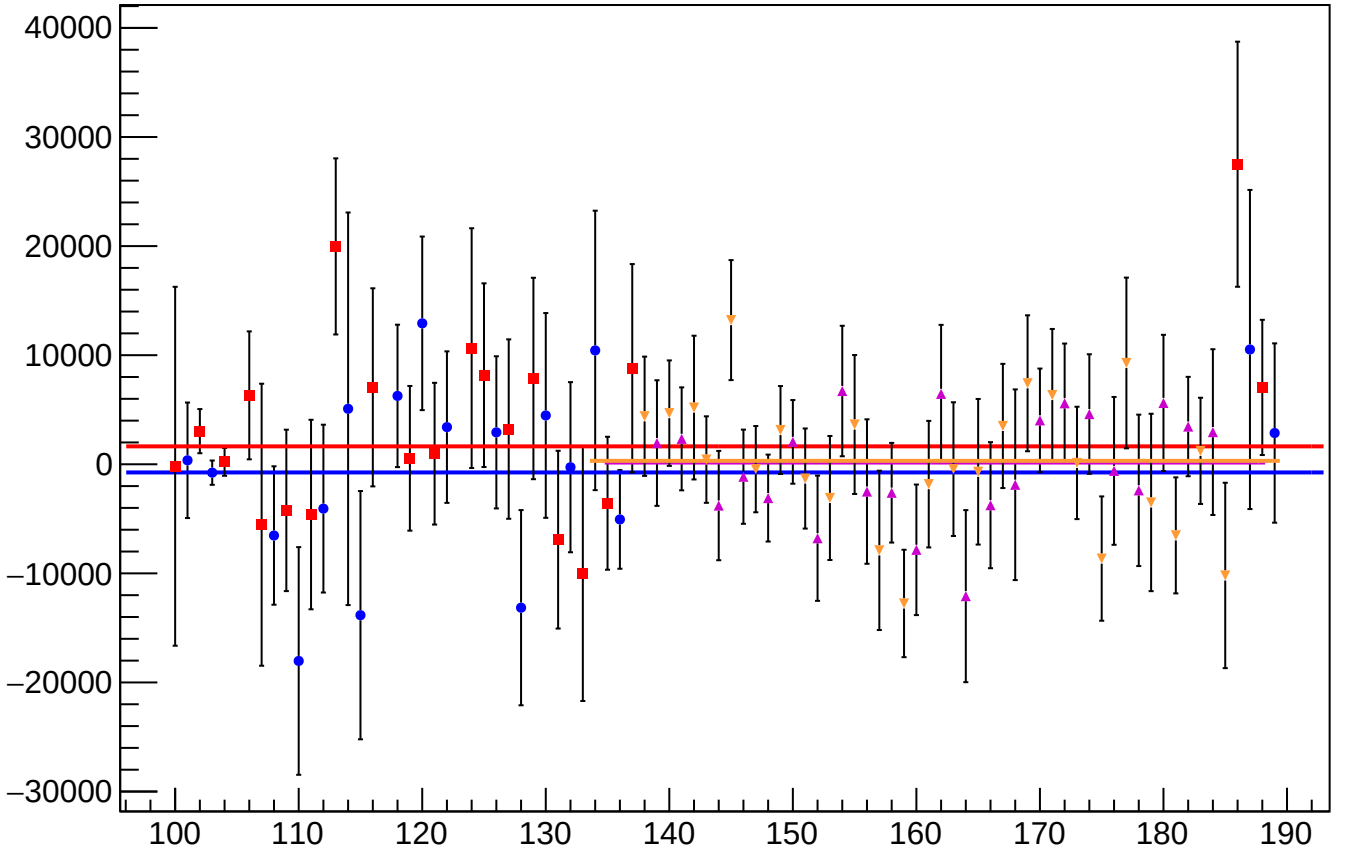
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1747.055+/-0.237 χ^2/NDF: 389297.9/42

All: 1751.816+/-0.169 χ^2/NDF: 905845.9/86

- sign 1756.687+/-0.240 χ^2/NDF: 515732.0/43

asym_atl1r2_avg_cor_correction_mean vs Slug



Right In: -749.084+/-954.289 χ^2/NDF: 14.7/17

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: 1642.033+/-934.012 χ^2/NDF: 20.6/20

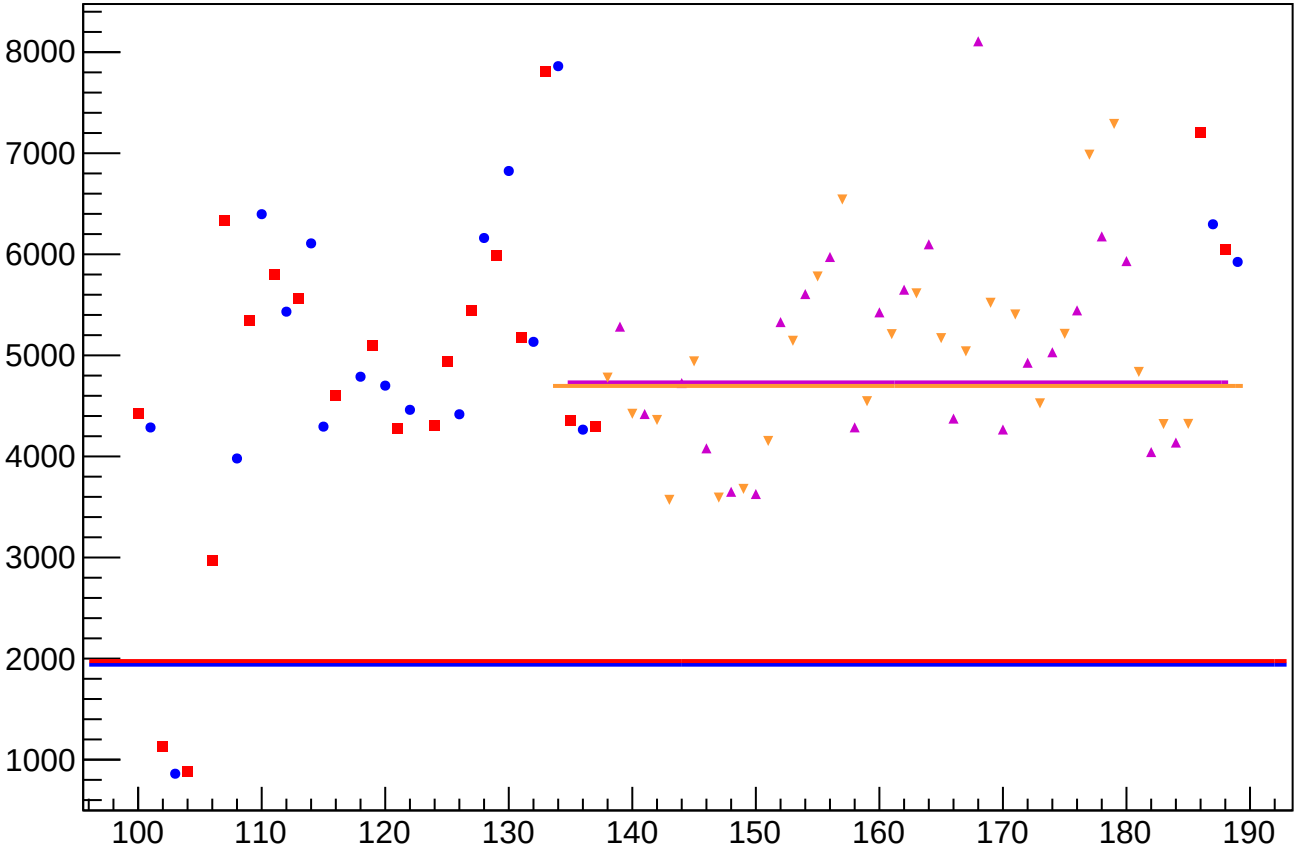
Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

+ sign -288.714+/-718.563 χ^2/NDF: 42.2/42

All: 374.101+/-508.438 χ^2/NDF: 80.3/86

- sign 1038.677+/-719.517 χ^2/NDF: 36.3/43

asym_atl1r2_avg_cor_correction_rms vs Slug



Right In: 1939.818+/-0.675 χ^2/NDF: 7509286.9/17

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 1975.412+/-0.660 χ^2/NDF: 7793760.8/20

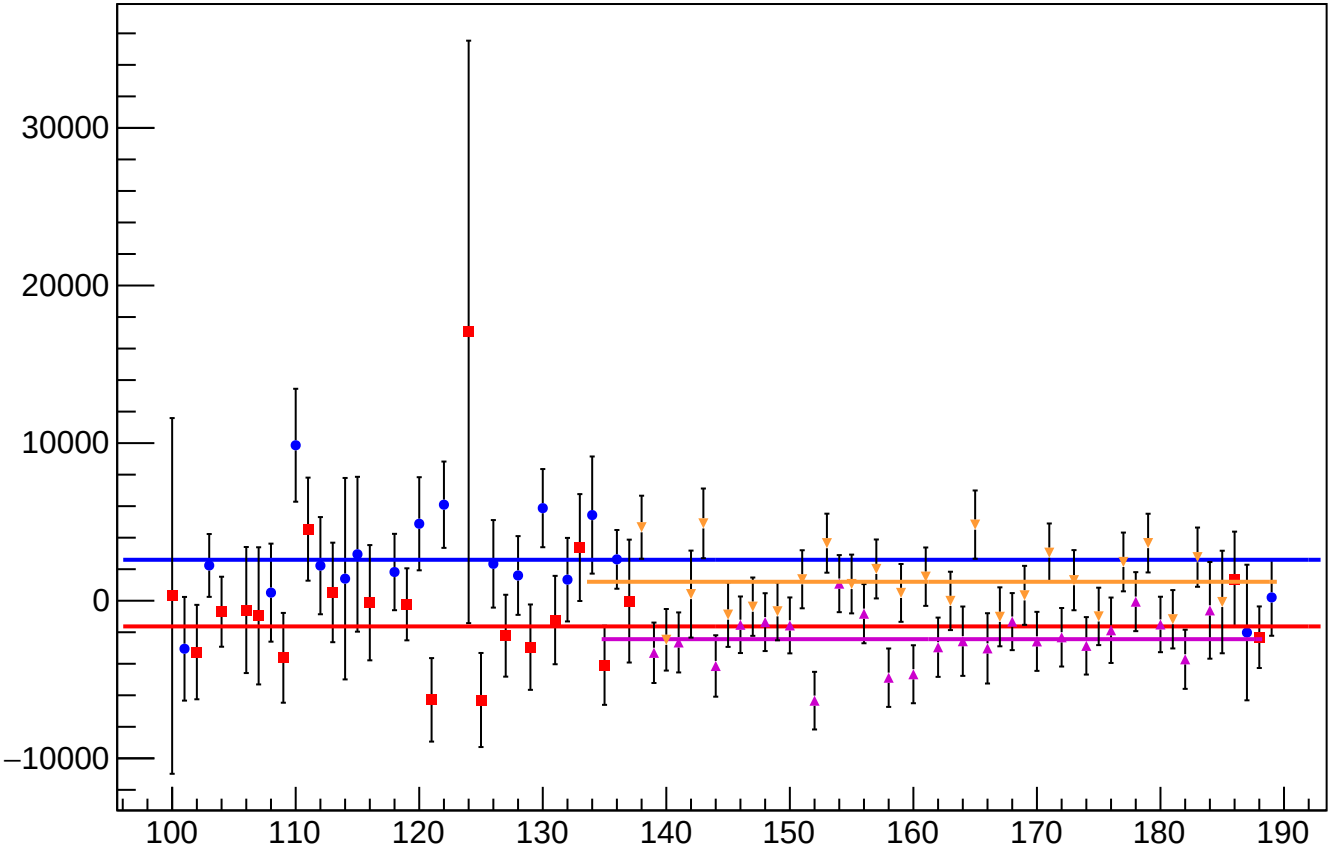
Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

+ sign 3133.992+/-0.508 χ^2/NDF: 15981372.3/42

All: 3115.170+/-0.360 χ^2/NDF: 32105445.9/8

- sign 3096.298+/-0.509 χ^2/NDF: 16121325.6/43

eigen_cor_asym_atl1r2_avg_mean vs Slug



Right In: 2597.898+/-660.419 χ^2/NDF: 14.8/17

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: -1629.879+/-649.199 χ^2/NDF: 16.9/20

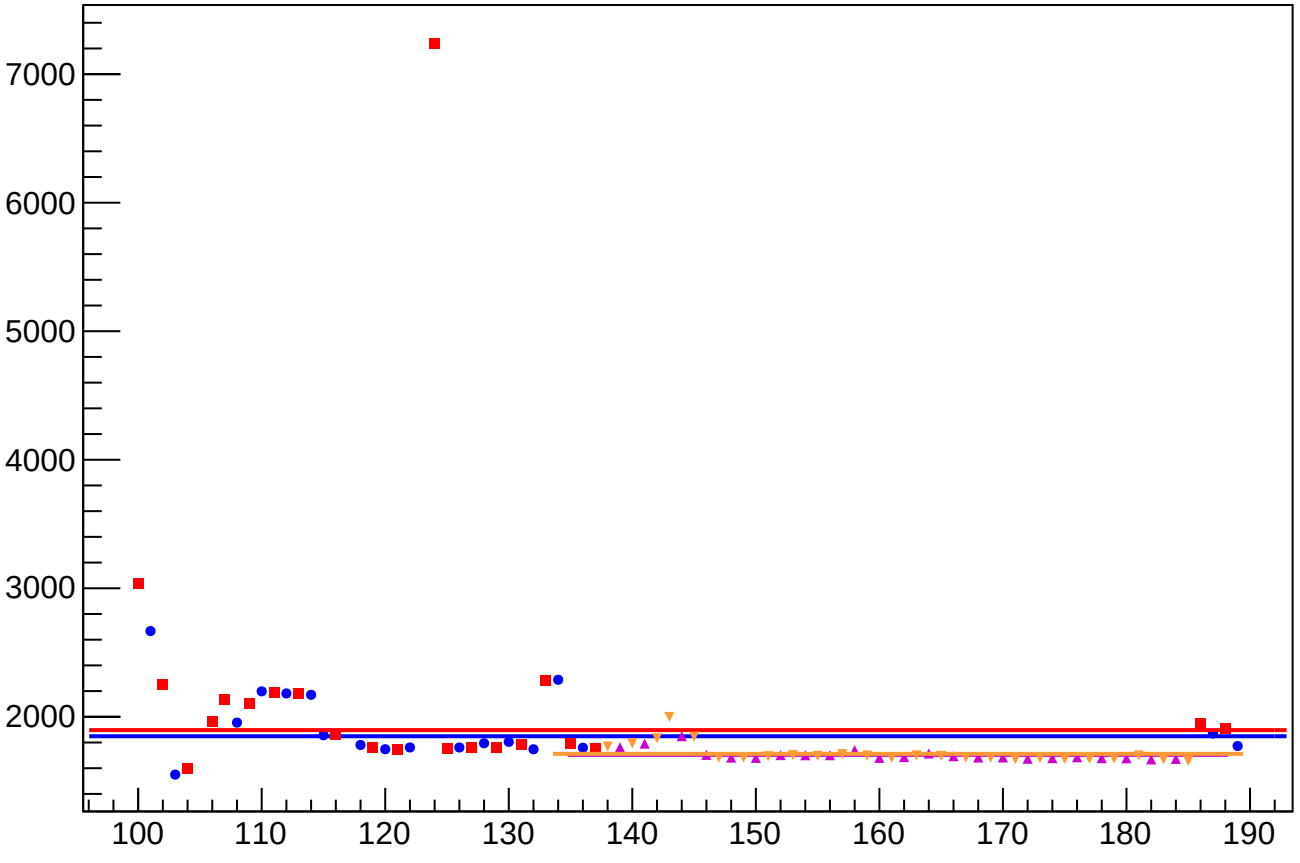
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1561.967+/-335.265 χ^2/NDF: 44.4/42

All: -305.427+/-238.479 χ^2/NDF: 142.8/86

- sign -2217.950+/-339.292 χ^2/NDF: 35.6/43

eigen_cor_asym_atl1r2_avg_rms vs Slug



Right In: 1848.666+/-0.467 χ^2/NDF: 265446.4/17

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

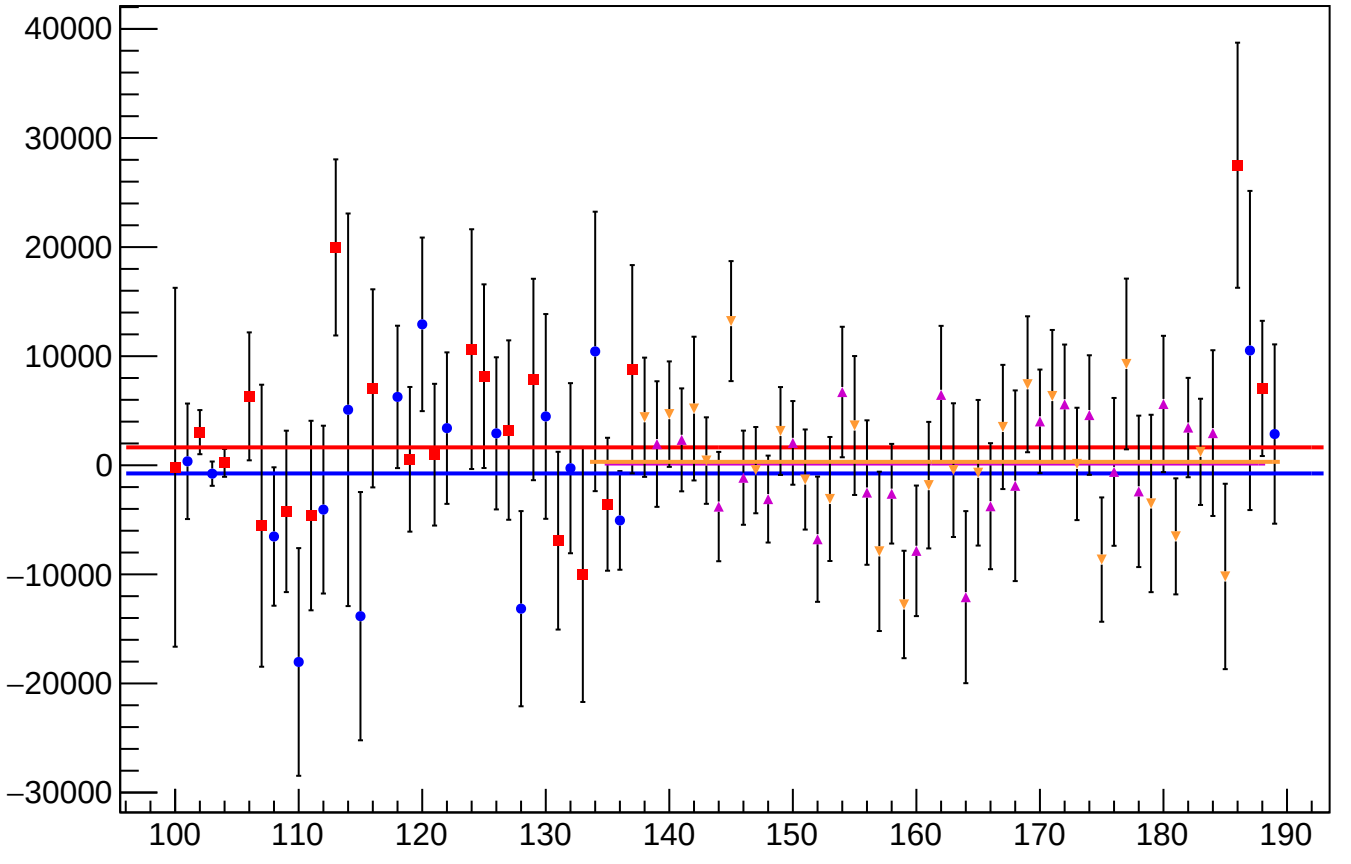
Right Out: 1896.479+/-0.458 χ^2/NDF: 365005.6/20

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1747.055+/-0.237 χ^2/NDF: 389297.9/42

All: 1751.816+/-0.169 χ^2/NDF: 905845.9/86

- sign 1756.687+/-0.240 χ^2/NDF: 515732.0/43



Right In: -749.084+/-954.289 χ^2/NDF: 14.7/17

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

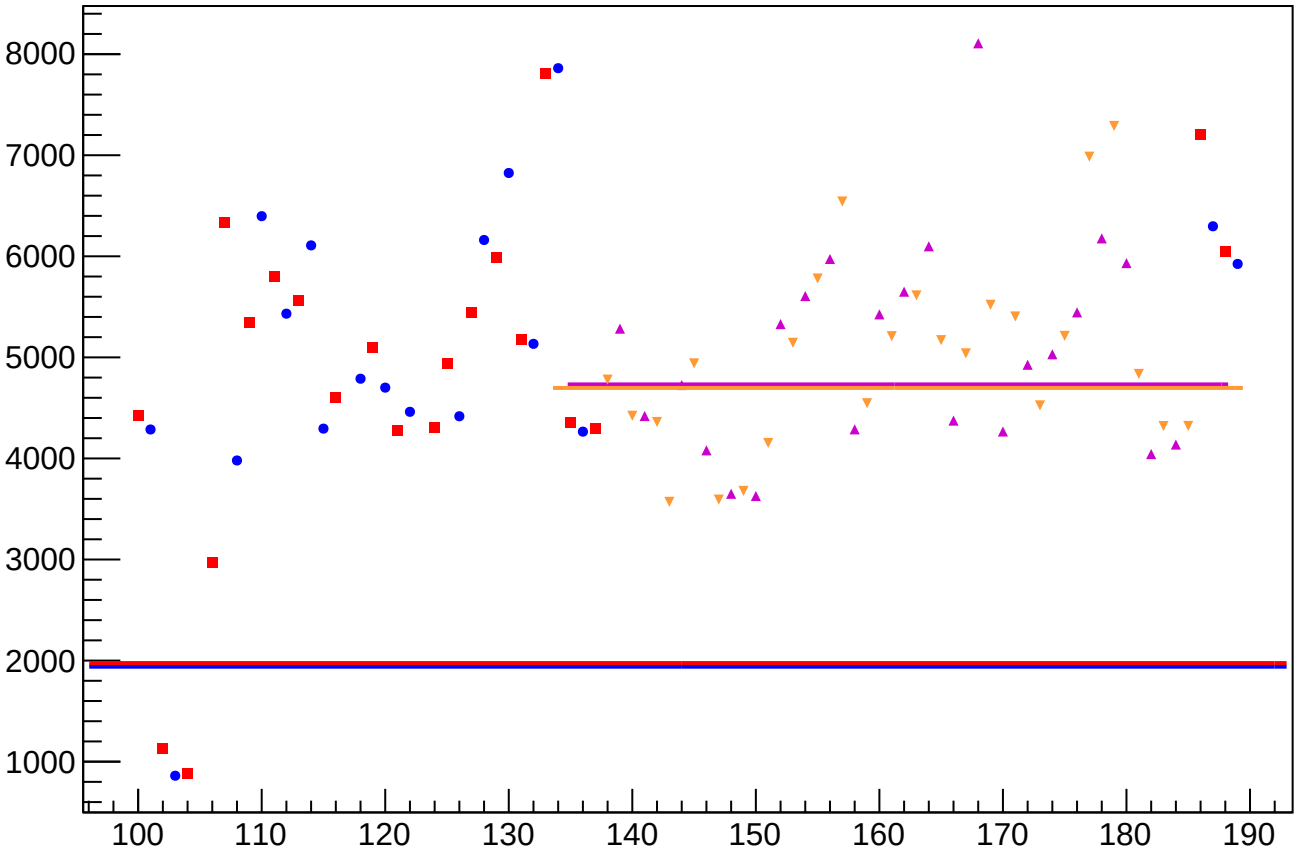
Right Out: 1642.033+/-934.012 χ^2/NDF: 20.6/20

Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

+ sign -288.714+/-718.563 χ^2/NDF: 42.2/42

All: 374.101+/-508.438 χ^2/NDF: 80.3/86

- sign 1038.677+/-719.517 χ^2/NDF: 36.3/43



Right In: 1939.818+/-0.675 χ^2/NDF: 7509286.9/17

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 1975.412+/-0.660 χ^2/NDF: 7793760.8/20

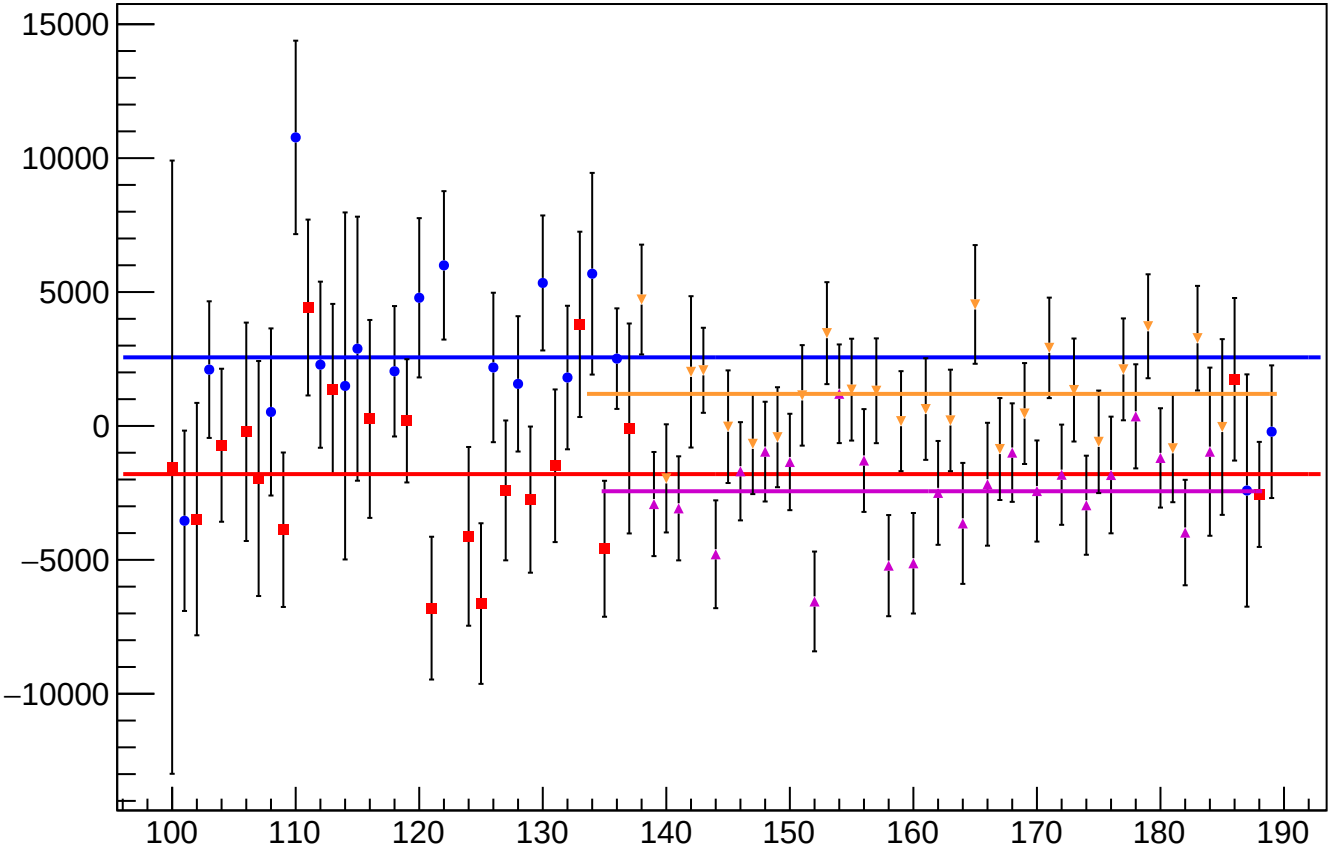
Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

+ sign 3133.992+/-0.508 χ^2/NDF: 15981372.3/42

All: 3115.170+/-0.360 χ^2/NDF: 32105445.9/8

- sign 3096.298+/-0.509 χ^2/NDF: 16121325.6/43

dit_asym_atl1r2_avg_mean vs Slug



Right In: 2561.763+/-681.315 χ^2/NDF: 15.8/17

Left Out: 1197.362+/-392.981 χ^2/NDF:19.5/24

Right Out: -1797.942+/-661.248 χ^2/NDF: 18.9/20

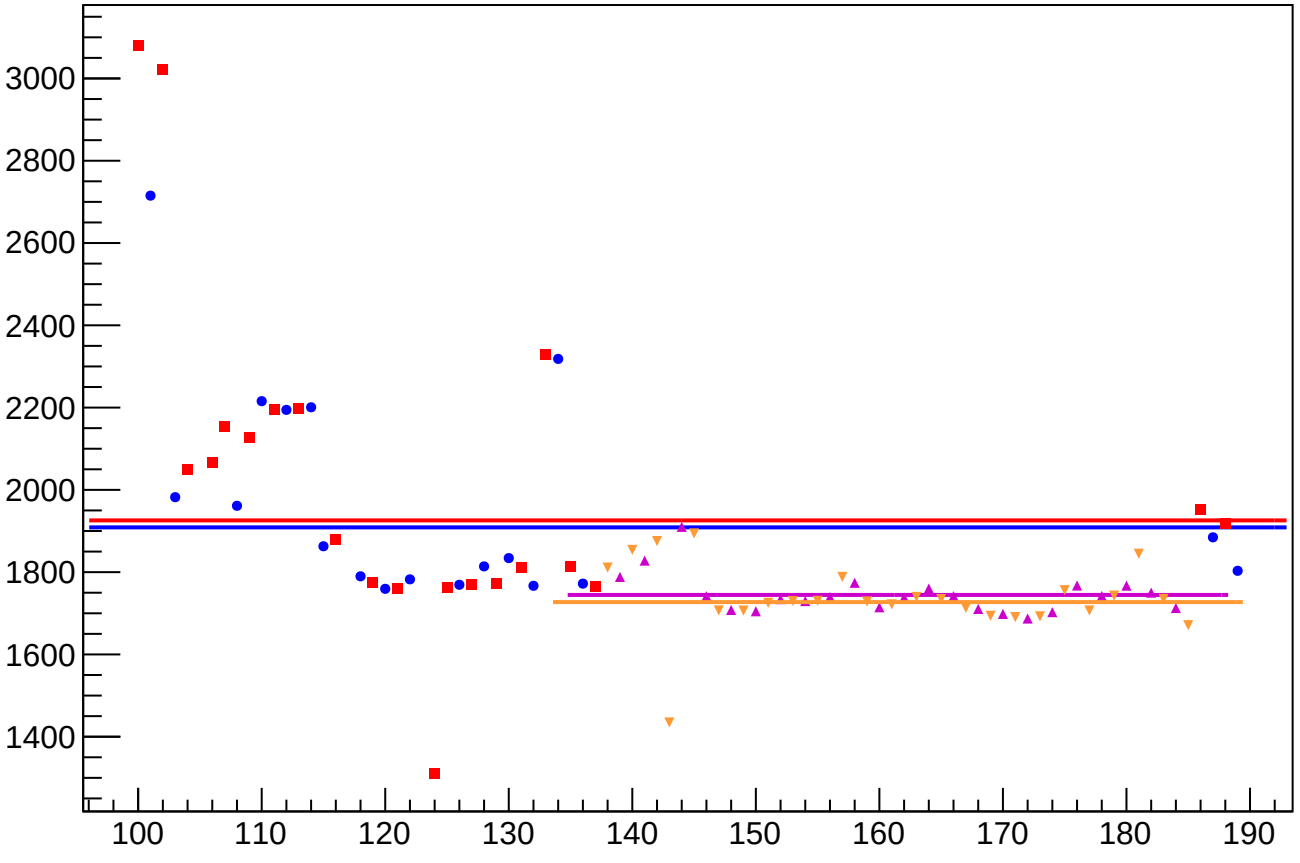
Left In: -2438.062+/-407.551 χ^2/NDF:20.6/22

+ sign 1537.973+/-340.413 χ^2/NDF: 38.3/42

All: -325.816+/-242.986 χ^2/NDF: 139.6/86

- sign -2261.841+/-346.947 χ^2/NDF: 40.2/43

dit_asym_atl1r2_avg_rms vs Slug



Right In: 1908.828+/-0.482 χ^2/NDF: 219638.8/17

Left Out: 1727.235+/-0.278 χ^2/NDF:110270.9/24

Right Out: 1925.800+/-0.467 χ^2/NDF: 339280.2/20

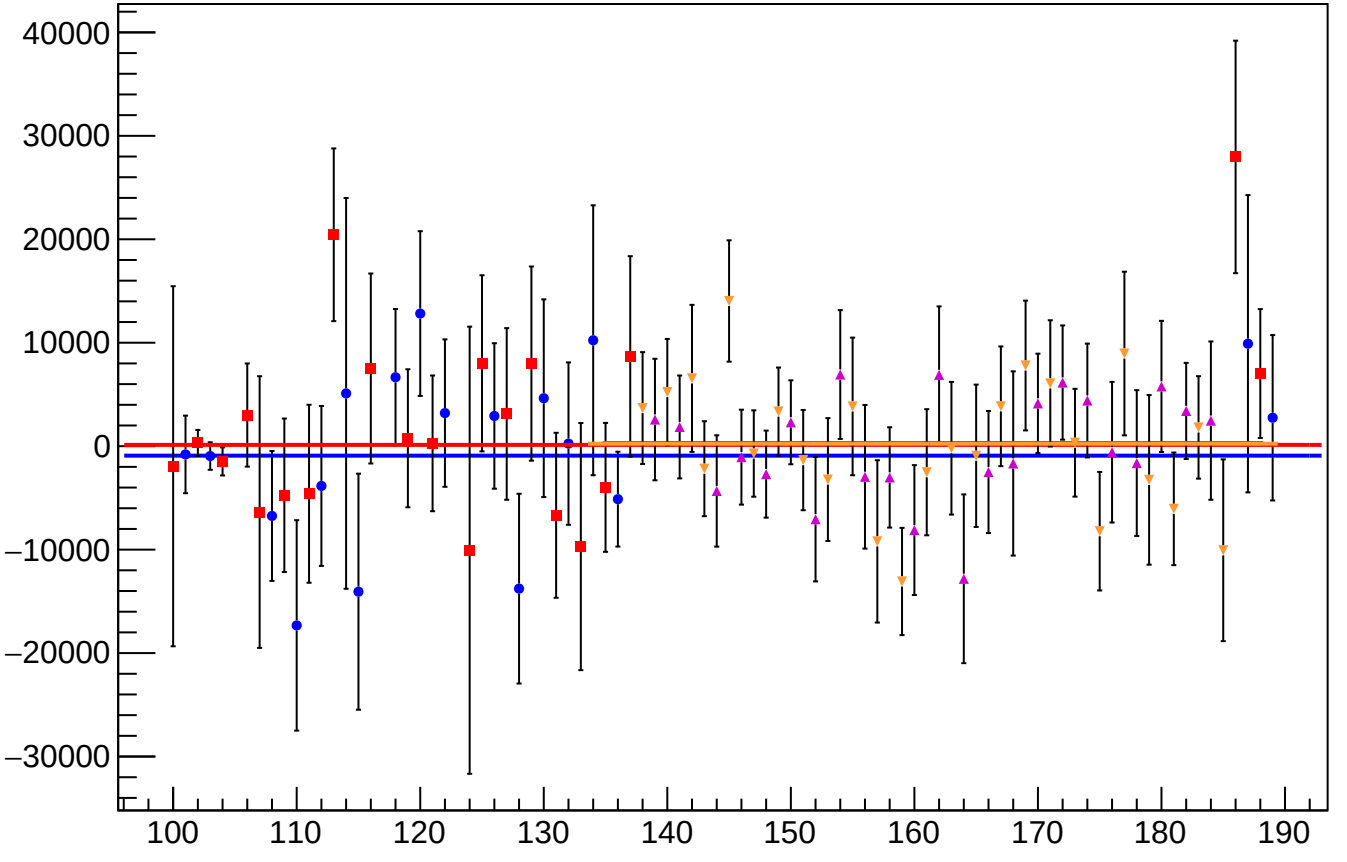
Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

+ sign 1772.568+/-0.241 χ^2/NDF: 436520.1/42

All: 1783.355+/-0.172 χ^2/NDF: 915598.8/86

- sign 1794.557+/-0.245 χ^2/NDF: 474984.9/43

asym_atl1r2_avg_dit_correction_mean vs Slug



Right In: -915.687+/-1059.988 χ^2/NDF: 14.6/17

Left Out: 241.131+/-1140.961 χ^2/NDF:26.7/24

Right Out: 124.476+/-825.995 χ^2/NDF: 21.2/20

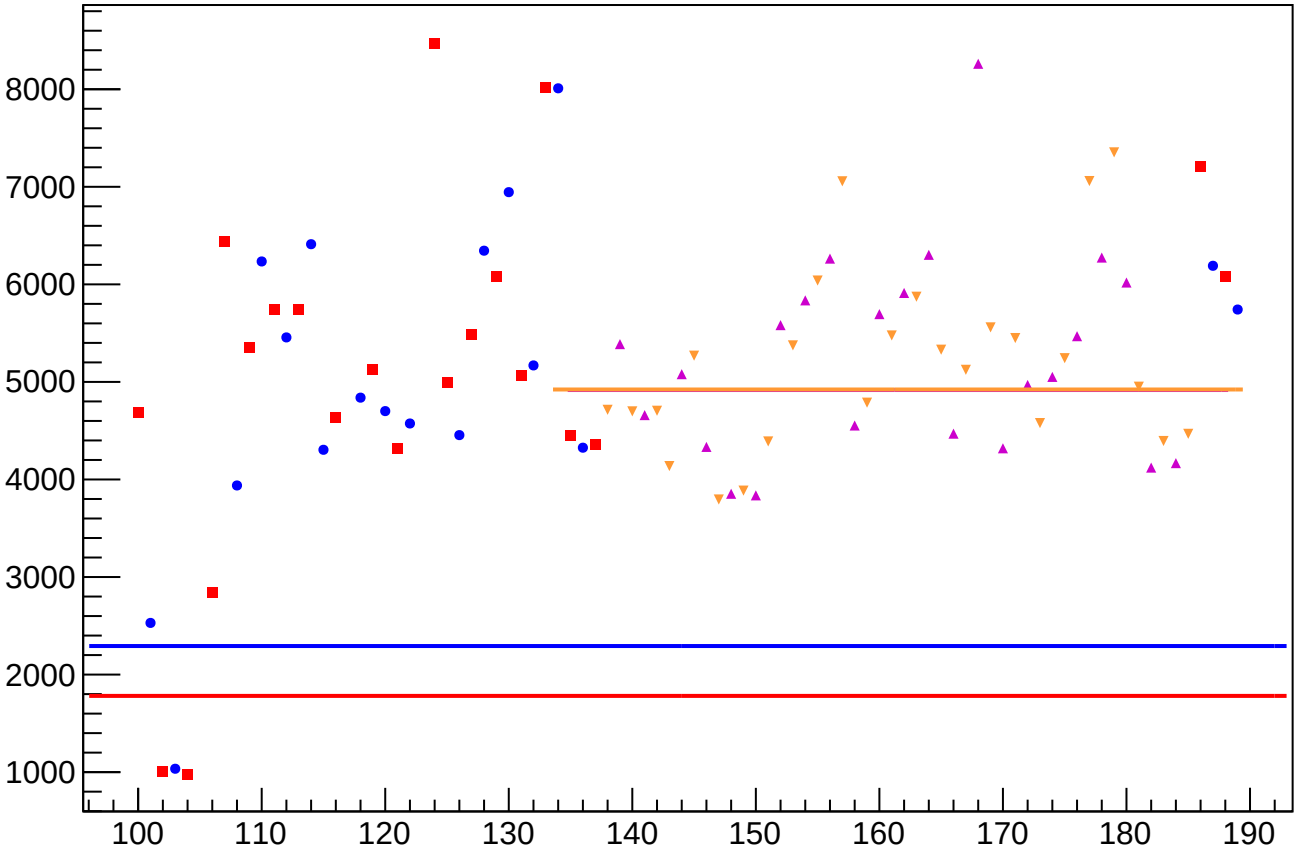
Left In: 306.106+/-1171.019 χ^2/NDF:14.5/22

+ sign -379.780+/-776.574 χ^2/NDF: 41.9/42

All: -58.155+/-509.440 χ^2/NDF: 77.9/86

- sign 184.820+/-674.976 χ^2/NDF: 35.7/43

asym_atl1r2_avg_dit_correction_rms vs Slug



Right In: 2292.705+/-0.750 χ^2/NDF: 6030776.2/17

Left Out: 4922.380+/-0.807 χ^2/NDF:1050408.0/24

Right Out: 1781.590+/-0.584 χ^2/NDF: 8306297.7/20

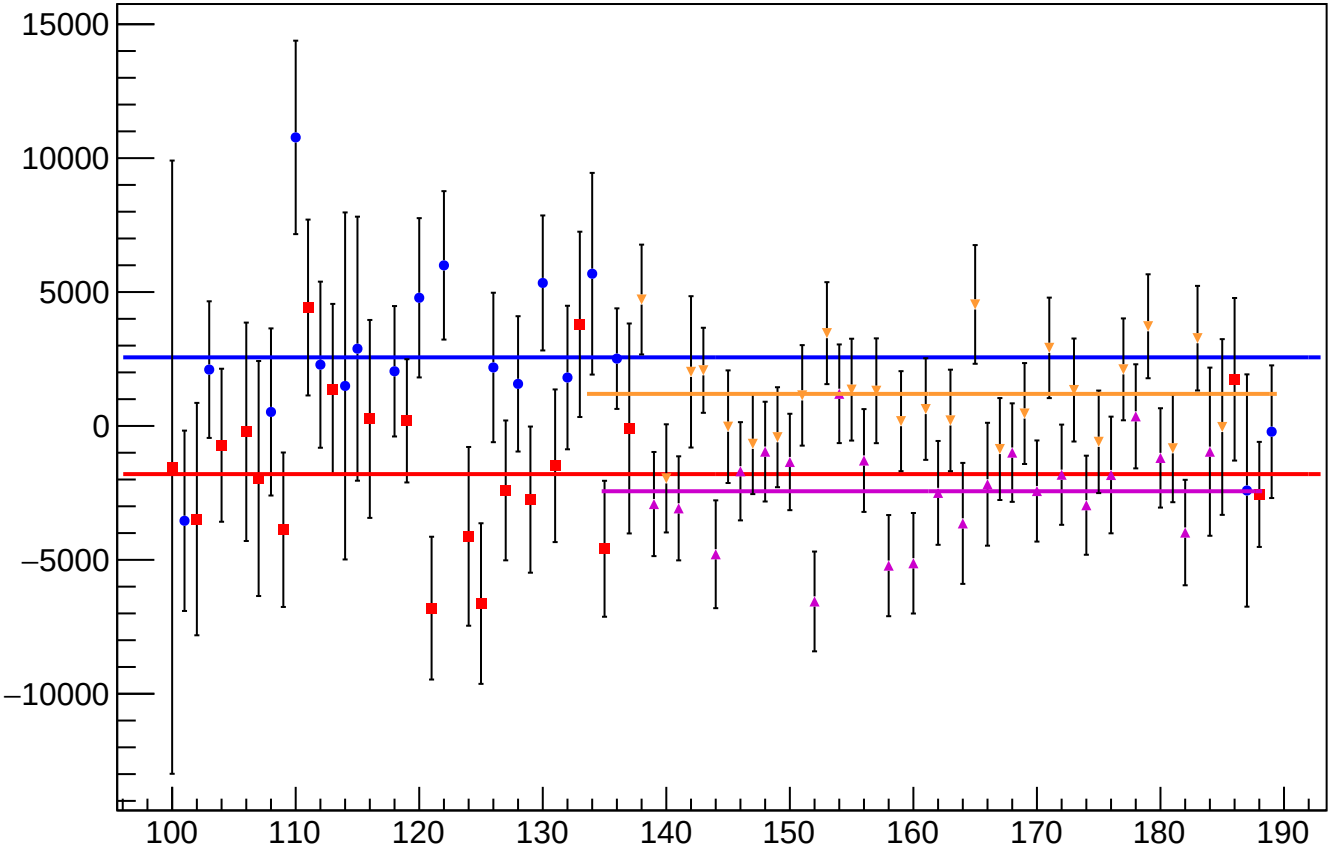
Left In: 4916.964+/-0.828 χ^2/NDF:1161642.5/22

+ sign 3510.927+/-0.549 χ^2/NDF: 12783578.3/42

All: 3119.207+/-0.360 χ^2/NDF: 32719046.5/8

- sign 2823.279+/-0.477 χ^2/NDF: 19042150.6/43

eigen_dit_asym_atl1r2_avg_mean vs Slug



Right In: 2561.764+/-681.314 χ^2/NDF: 15.8/17

Left Out: 1197.356+/-392.981 χ^2/NDF:19.5/24

Right Out: -1797.947+/-661.248 χ^2/NDF: 18.9/20

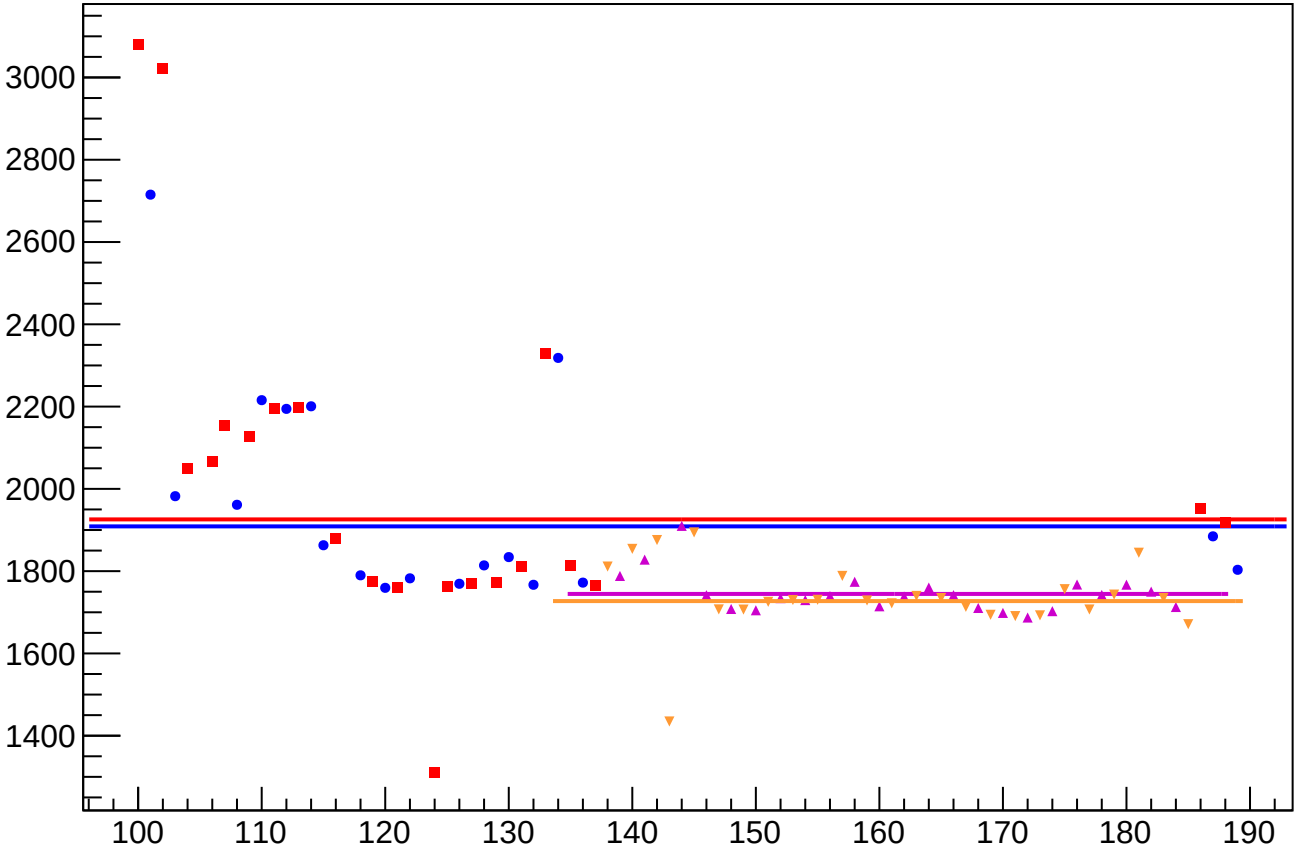
Left In: -2438.062+/-407.552 χ^2/NDF:20.6/22

+ sign 1537.969+/-340.413 χ^2/NDF: 38.3/42

All: -325.819+/-242.986 χ^2/NDF: 139.6/86

- sign -2261.842+/-346.947 χ^2/NDF: 40.2/43

eigen_dit_asym_atl1r2_avg_rms vs Slug



Right In: 1908.827+/-0.482 χ^2/NDF: 219639.0/17

Left Out: 1727.236+/-0.278 χ^2/NDF:110269.9/24

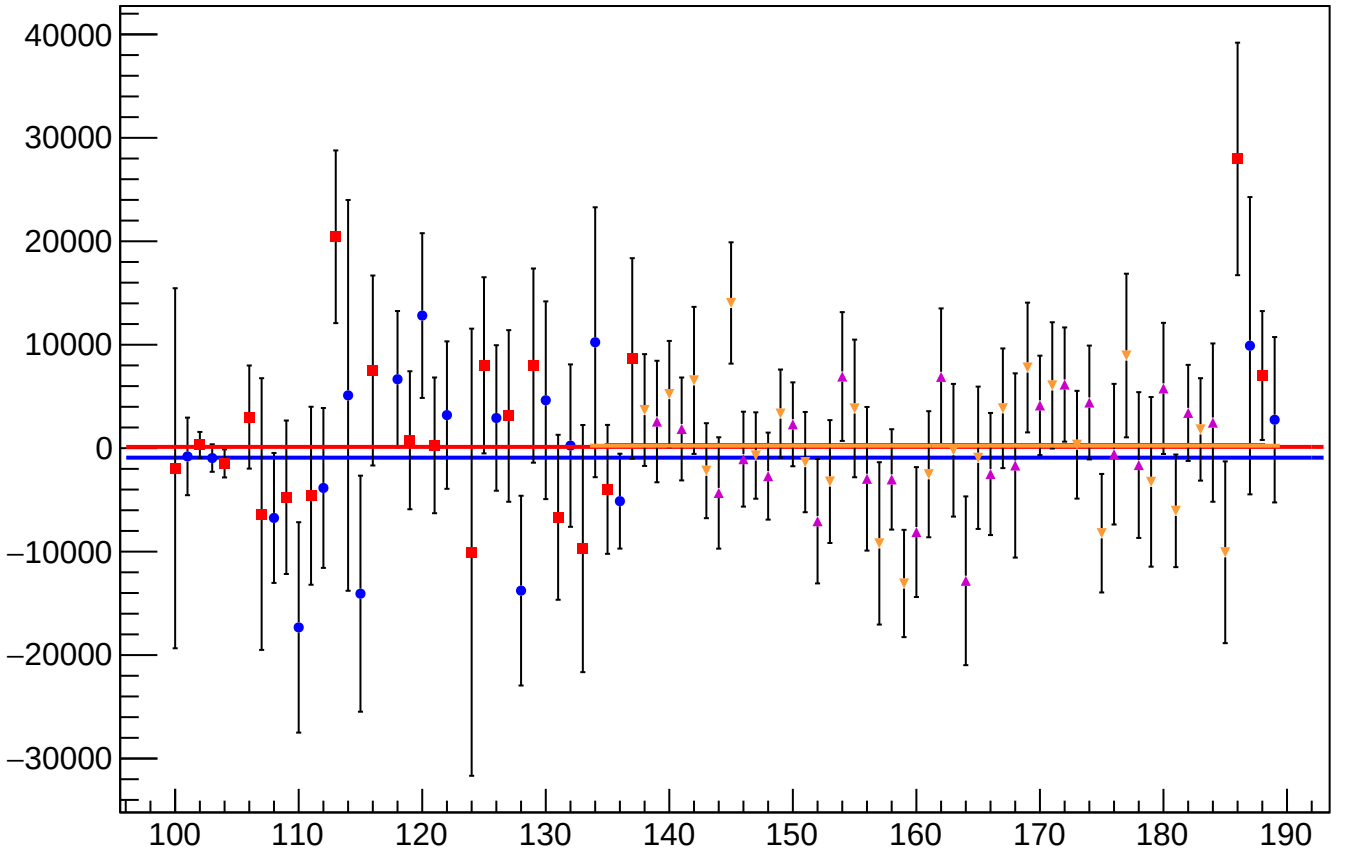
Right Out: 1925.799+/-0.467 χ^2/NDF: 339279.2/20

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

+ sign 1772.568+/-0.241 χ^2/NDF: 436517.5/42

All: 1783.356+/-0.172 χ^2/NDF: 915593.8/86

- sign 1794.557+/-0.245 χ^2/NDF: 474982.5/43



Right In: -915.685+/-1059.987 χ^2/NDF: 14.6/17

Left Out: 241.128+/-1140.962 χ^2/NDF:26.7/24

Right Out: 124.481+/-825.994 χ^2/NDF: 21.2/20

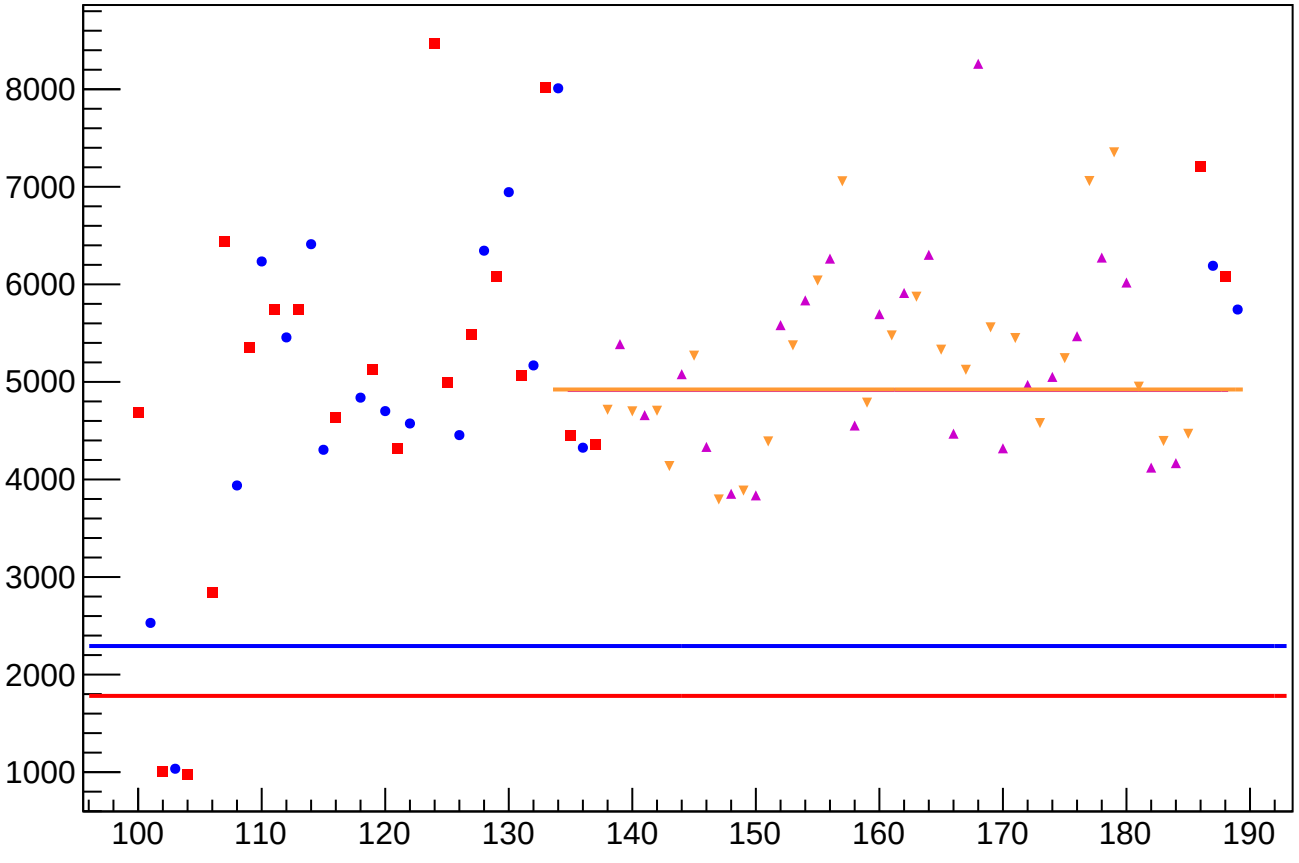
Left In: 306.109+/-1171.021 χ^2/NDF:14.5/22

+ sign -379.781+/-776.574 χ^2/NDF: 41.9/42

All: -58.153+/-509.440 χ^2/NDF: 77.9/86

- sign 184.824+/-674.976 χ^2/NDF: 35.7/43

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug



Right In: 2292.704+/-0.750 χ^2/NDF: 6030770.6/17

Left Out: 4922.388+/-0.807 χ^2/NDF:1050409.4/24

Right Out: 1781.590+/-0.584 χ^2/NDF: 8306290.7/20

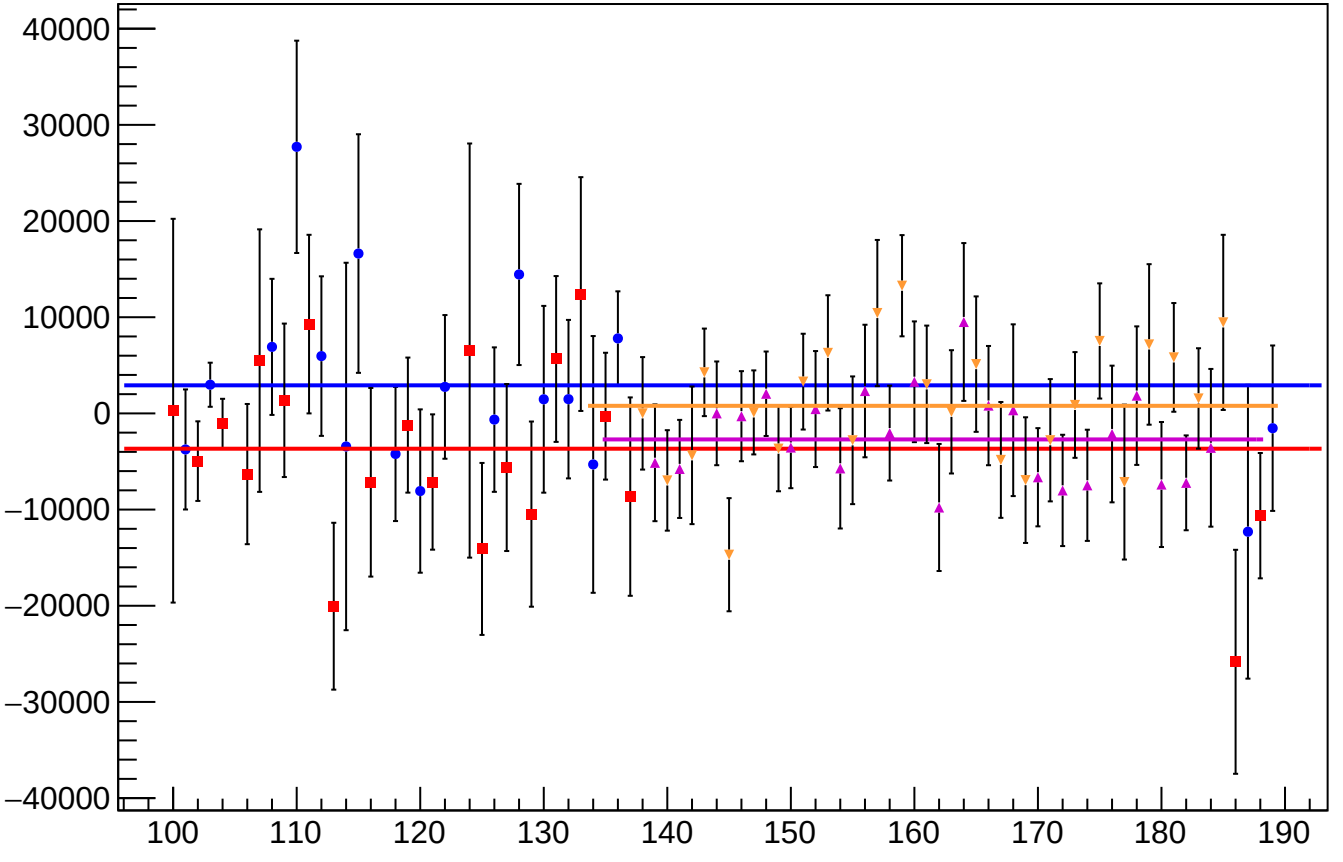
Left In: 4916.972+/-0.828 χ^2/NDF:1161645.9/22

+ sign 3510.927+/-0.549 χ^2/NDF: 12783606.9/42

All: 3119.207+/-0.360 χ^2/NDF: 32719105.9/8

- sign 2823.278+/-0.477 χ^2/NDF: 19042179.3/43

asym_atl1r2_avg_mean vs Slug



Right In: 2918.385+/-1507.783 χ^2/NDF: 15.1/17

Left Out: 787.965+/-1171.964 χ^2/NDF:27.6/24

Right Out: -3671.991+/-1497.344 χ^2/NDF: 18.4/20

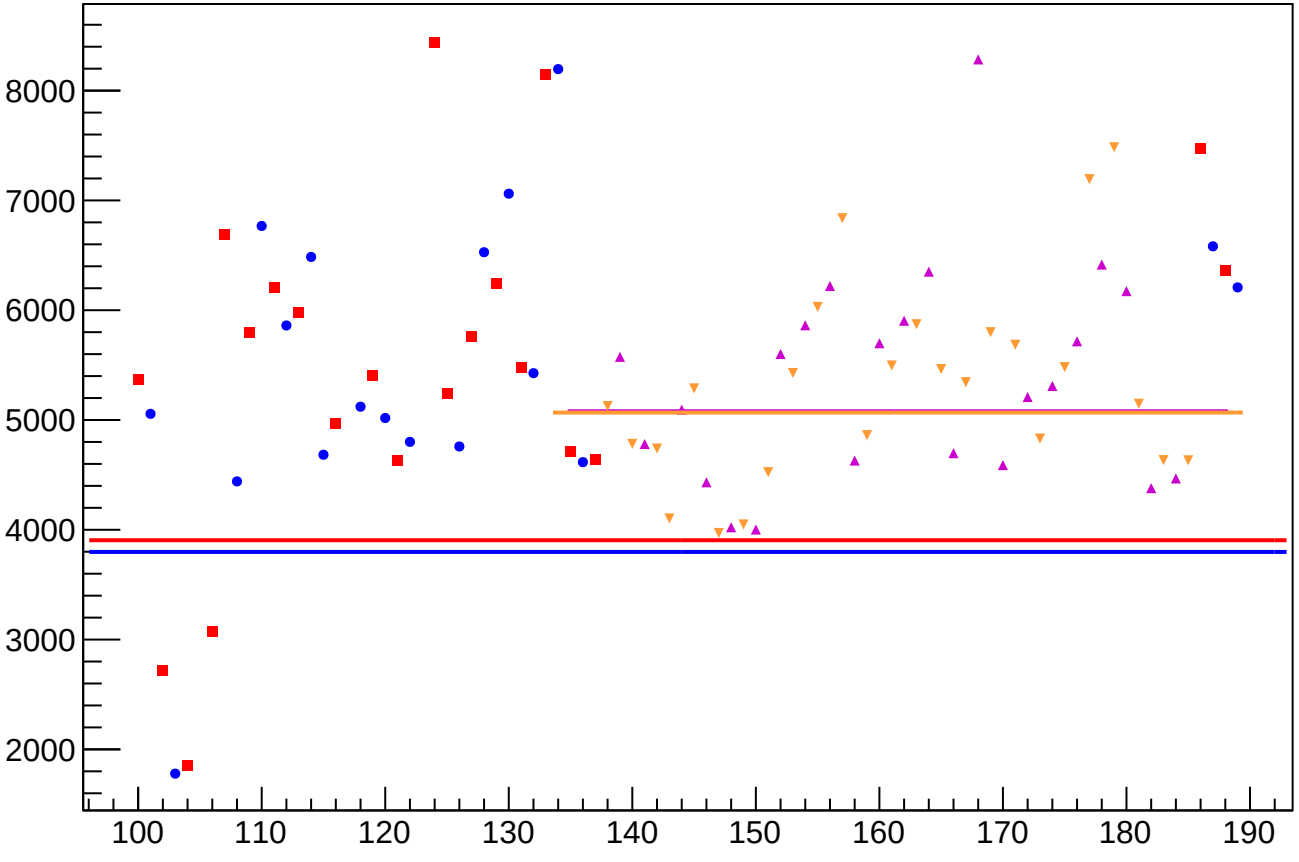
Left In: -2705.532+/-1206.281 χ^2/NDF:11.9/22

+ sign 1590.324+/-925.317 χ^2/NDF: 43.9/42

All: -712.554+/-659.210 χ^2/NDF: 87.1/86

- sign -3085.908+/-939.369 χ^2/NDF: 30.6/43

asym_atl1r2_avg_rms vs Slug



Right In: 3798.276+/-1.066 χ^2/NDF: 3118477.7/17

Left Out: 5067.898+/-0.829 χ^2/NDF:954253.8/24

Right Out: 3904.903+/-1.049 χ^2/NDF: 3190372.6/20

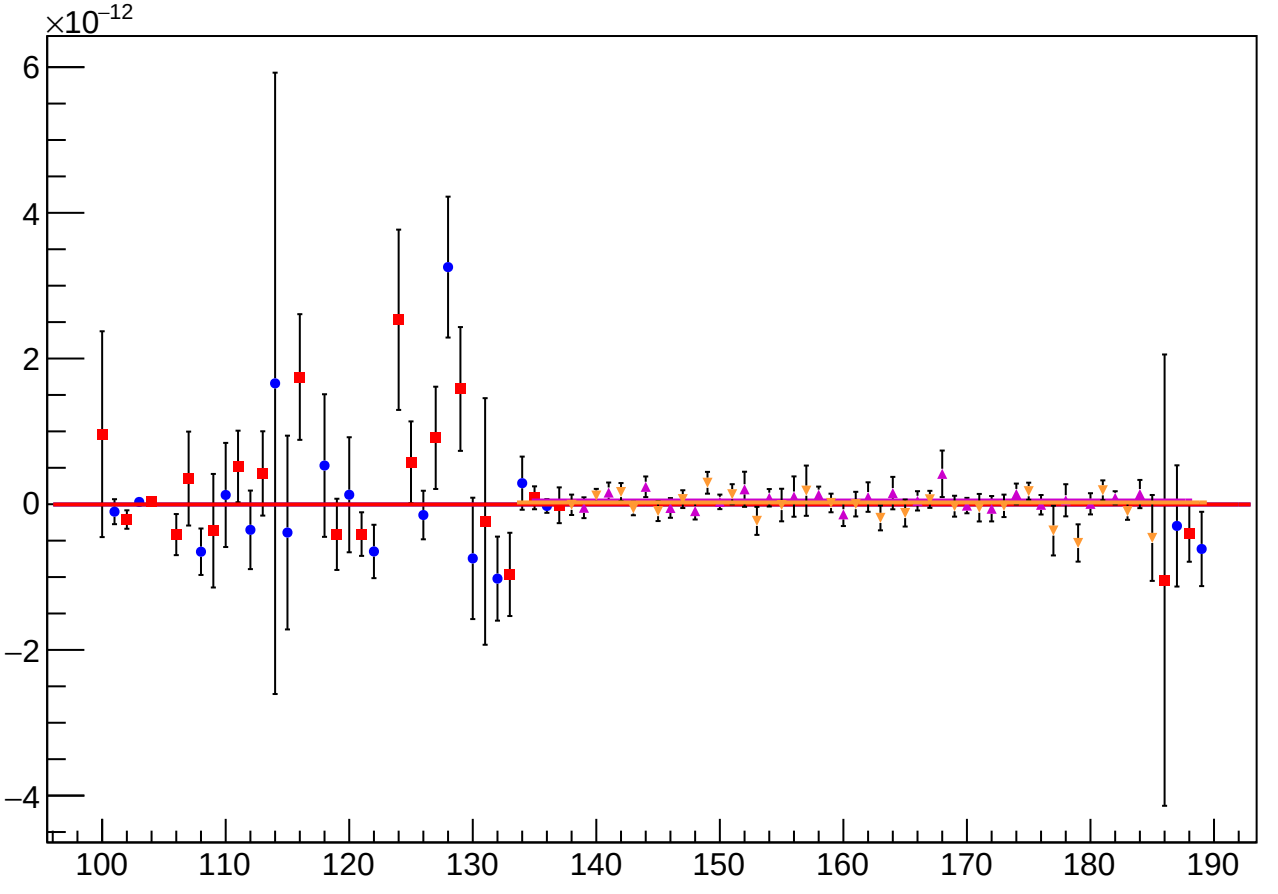
Left In: 5079.715+/-0.853 χ^2/NDF:1001241.5/22

+ sign 4589.733+/-0.654 χ^2/NDF: 4956734.2/42

All: 4600.782+/-0.465 χ^2/NDF: 9904021.4/86

- sign 4612.086+/-0.662 χ^2/NDF: 4946710.3/43

asym_atl1r2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 27.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:23.6/24

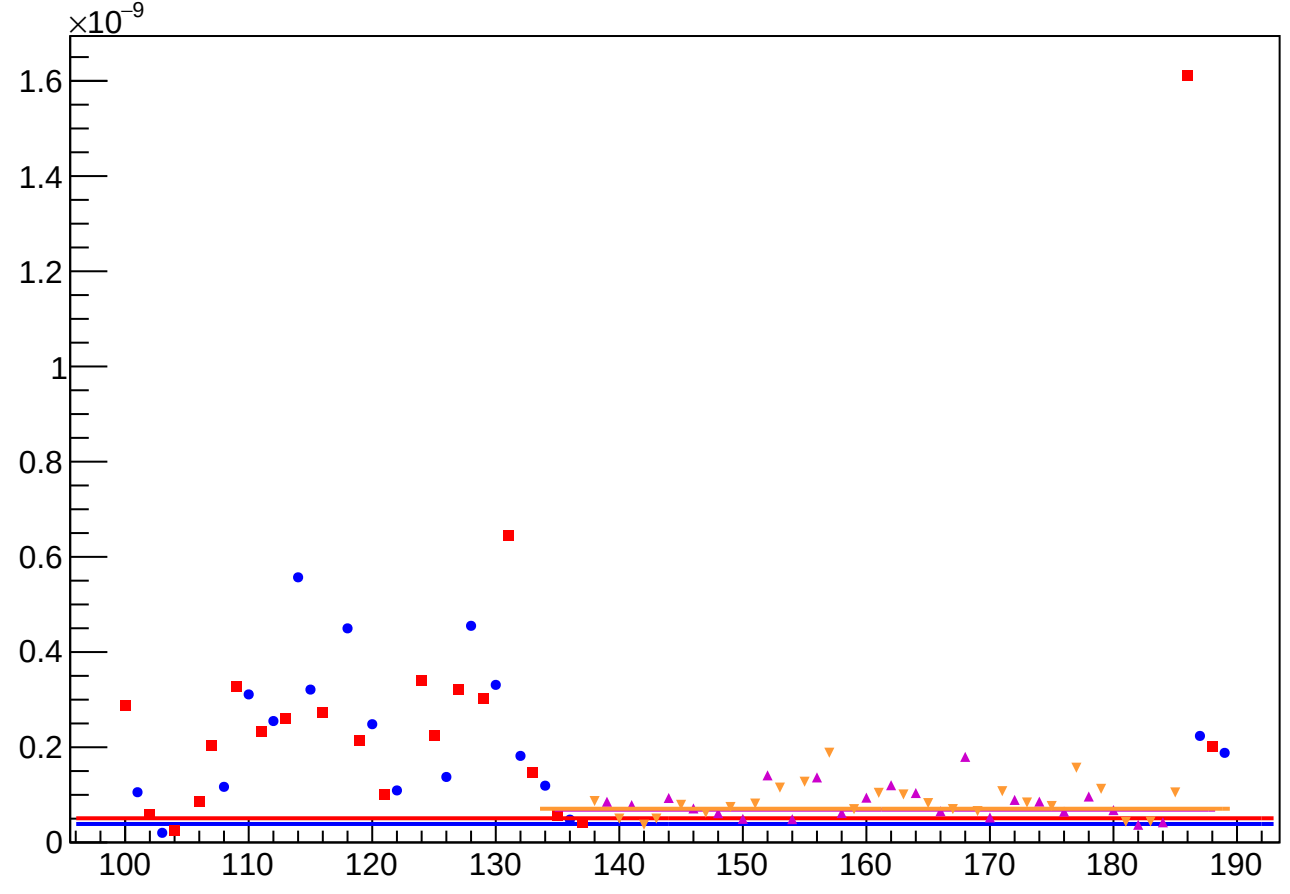
Right Out: -0.000+/-0.000 χ^2/NDF: 29.4/20

Left In: 0.000+/-0.000 χ^2/NDF:11.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.0/42

All: 0.000+/-0.000 χ^2/NDF: 92.7/86

- sign 0.000+/-0.000 χ^2/NDF: 41.4/43



Right In: 0.000+/-0.000 χ^2/NDF: 3413032.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:1489228.5/24

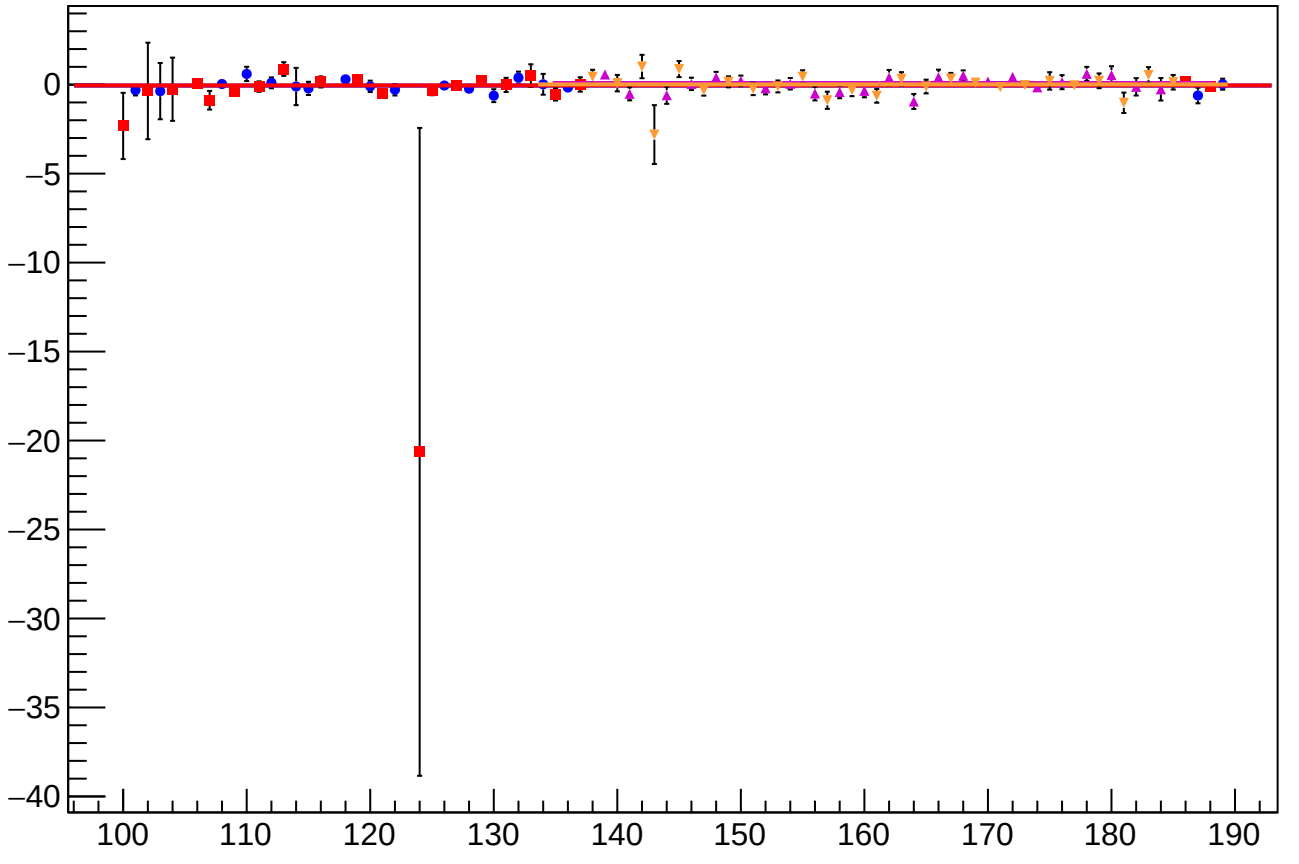
Right Out: 0.000+/-0.000 χ^2/NDF: 3706338.8/20

Left In: 0.000+/-0.000 χ^2/NDF:1432116.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 5858334.5/42

All: 0.000+/-0.000 χ^2/NDF: 11271203.7/86

- sign 0.000+/-0.000 χ^2/NDF: 5367791.1/43



Right In: -0.054+/-0.074 χ^2/NDF: 13.4/17

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.045+/-0.063 χ^2/NDF: 24.8/20

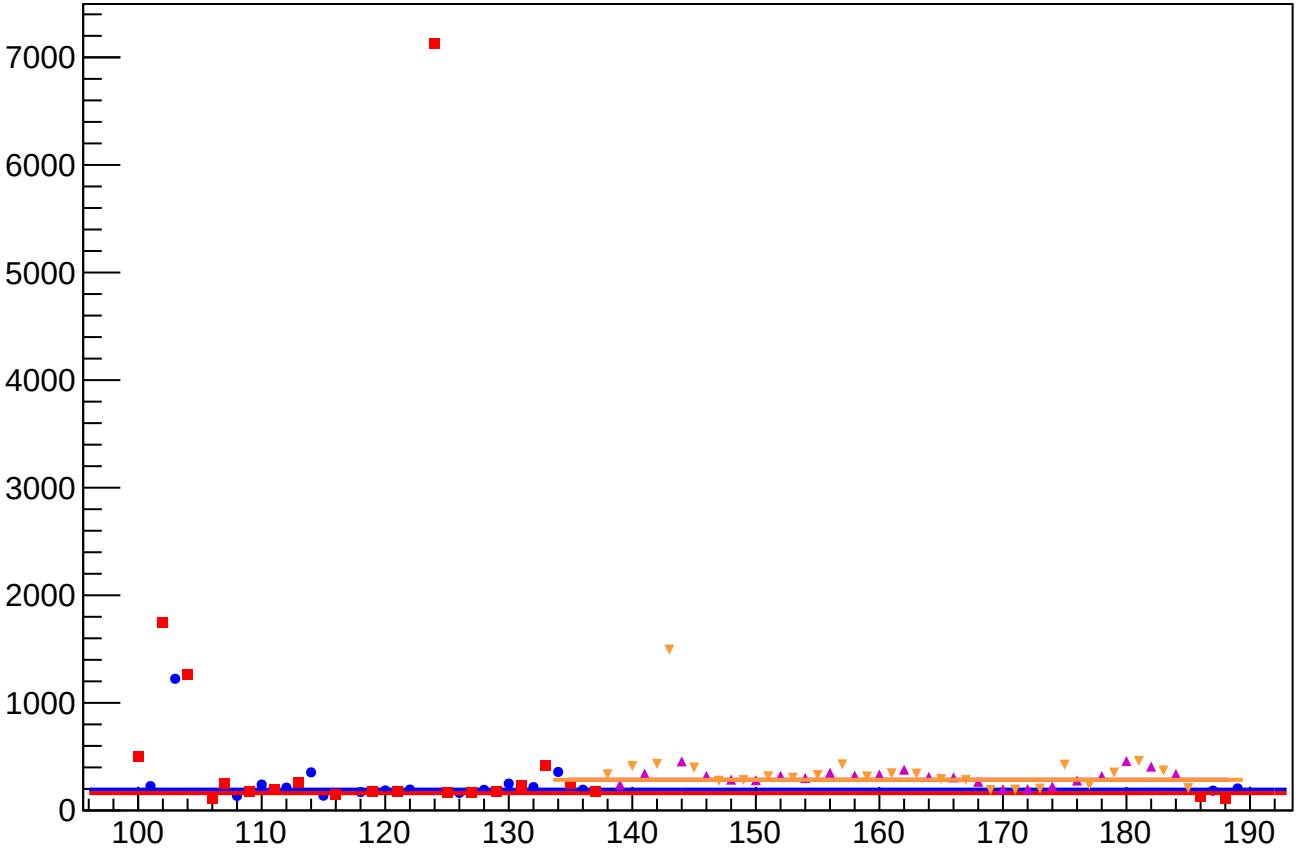
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.017+/-0.051 χ^2/NDF: 42.1/42

All: 0.000+/-0.035 χ^2/NDF: 100.1/86

- sign 0.015+/-0.047 χ^2/NDF: 57.8/43

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 193.673+/-0.053 χ^2/NDF: 1412038.6/17

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

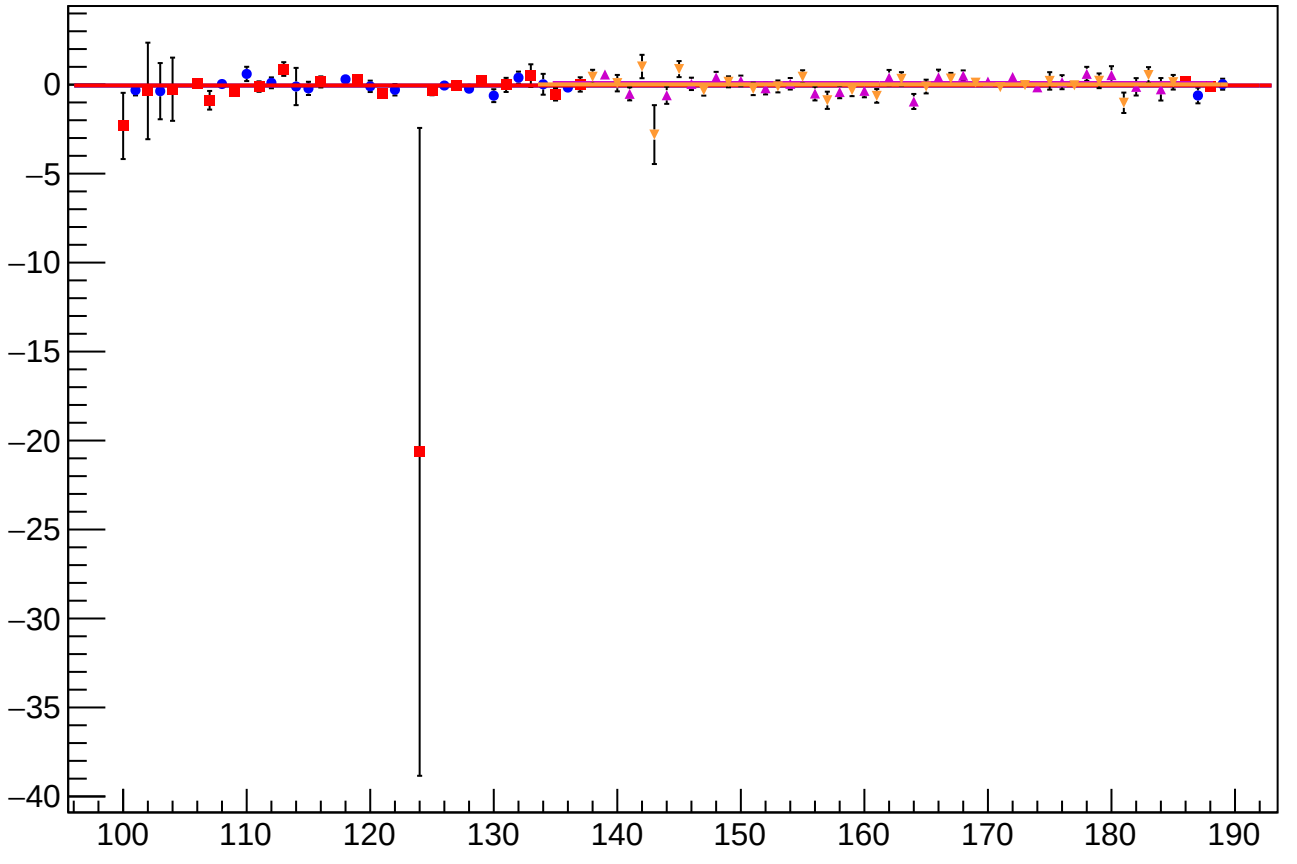
Right Out: 160.995+/-0.045 χ^2/NDF: 3061383.9/20

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

+ sign 242.202+/-0.036 χ^2/NDF: 6424569.2/42

All: 228.343+/-0.024 χ^2/NDF: 14997355.9/86

- sign 216.538+/-0.033 χ^2/NDF: 8298045.8/43



Right In: -0.054+/-0.074 χ^2/NDF: 13.4/17

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

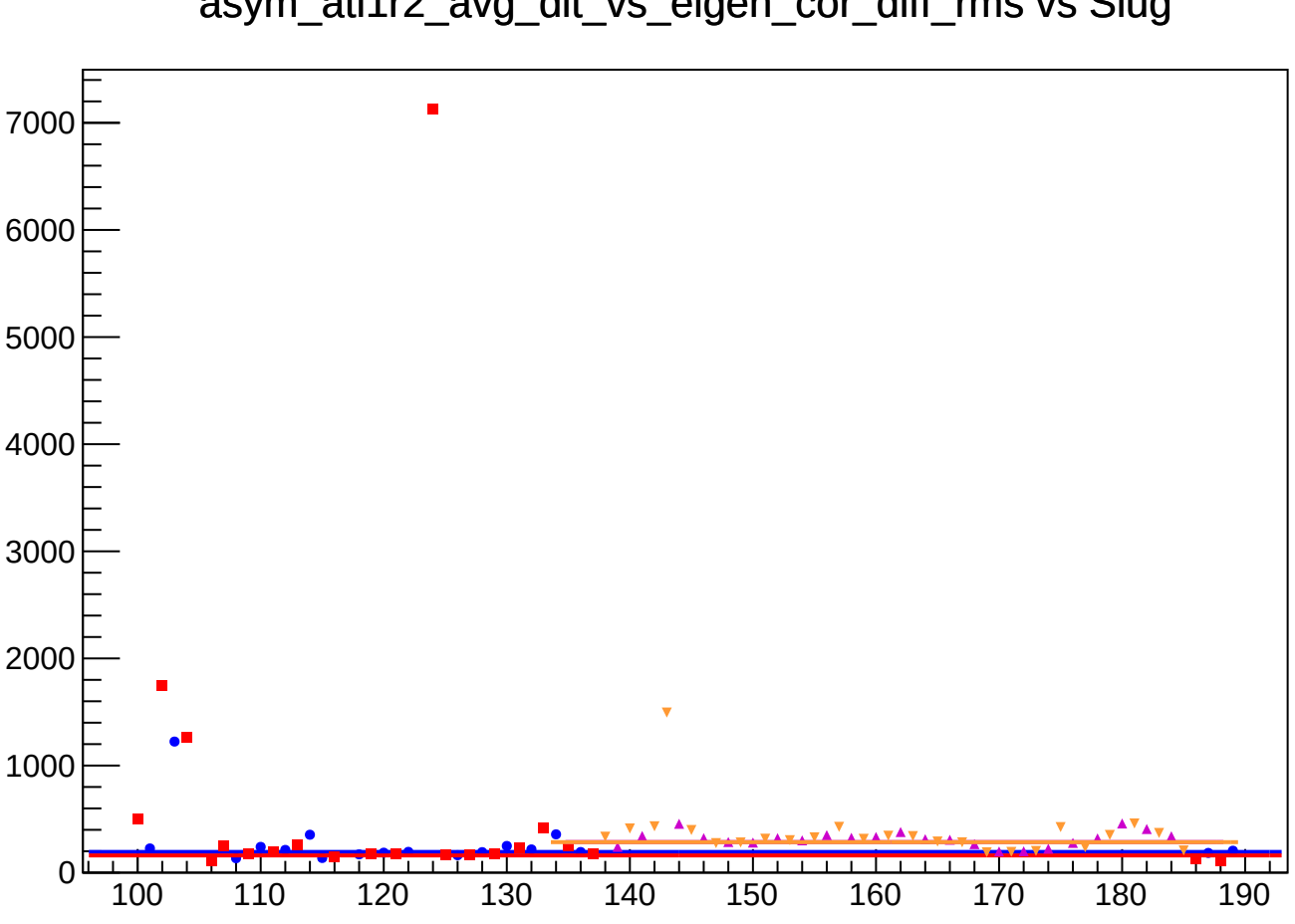
Right Out: -0.045+/-0.063 χ^2/NDF: 24.8/20

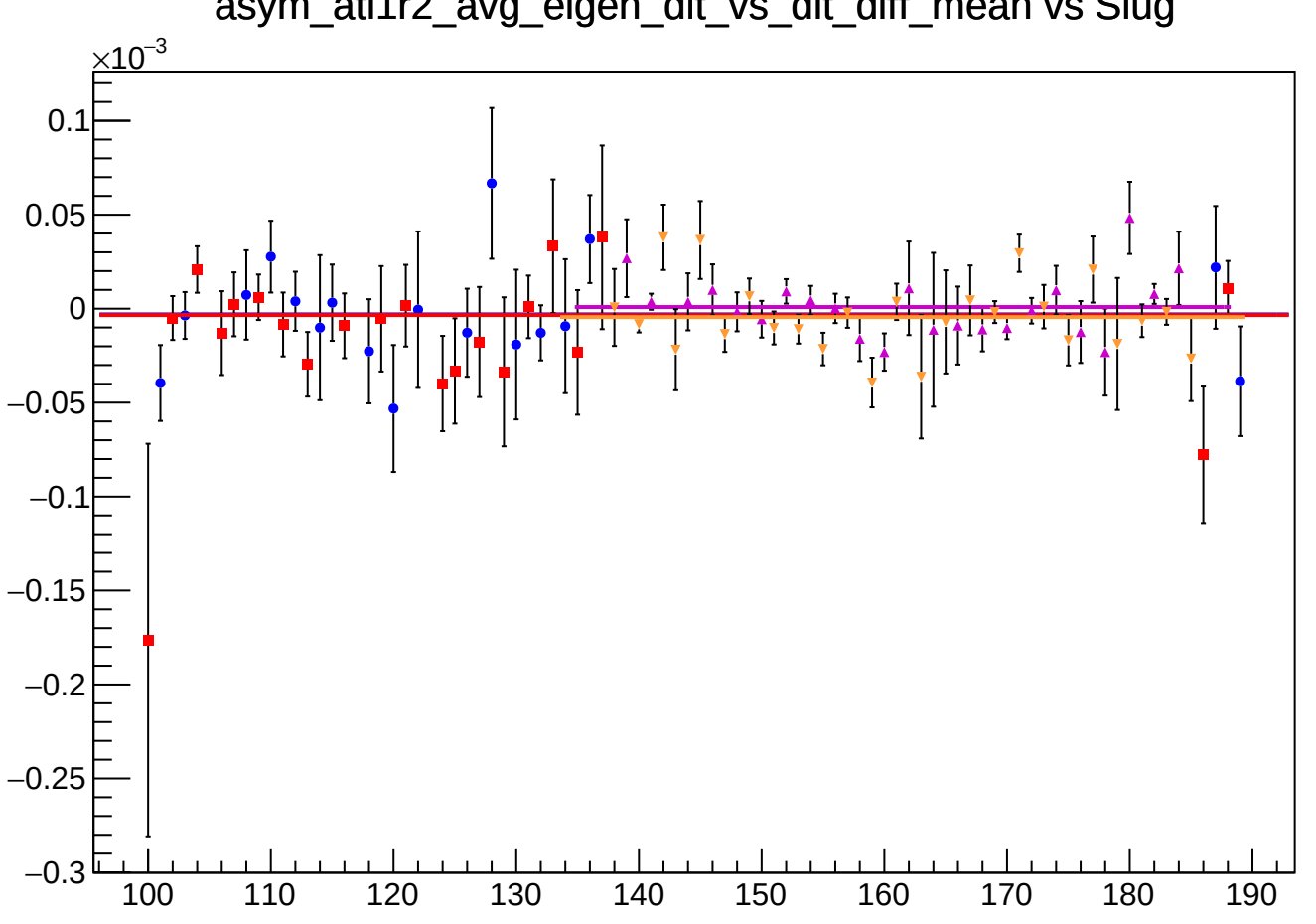
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.017+/-0.051 χ^2/NDF: 42.1/42

All: 0.000+/-0.035 χ^2/NDF: 100.1/86

- sign 0.015+/-0.047 χ^2/NDF: 57.8/43


asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug
7000
6000
5000
4000
3000
2000
1000
0
100
110
120
130
140
150
160
170
180
190
Right In: 193.673+/-0.053 χ²/NDF: 1412038.6/17
Left Out: 285.036+/-0.049 χ²/NDF:3407001.6/24
Right Out: 160.995+/-0.045 χ²/NDF: 3061383.9/20
Left In: 285.869+/-0.050 χ²/NDF:1744706.1/22
+ sign 242.202+/-0.036 χ²/NDF: 6424569.2/42
All: 228.343+/-0.024 χ²/NDF: 14997355.9/86
- sign 216.538+/-0.033 χ²/NDF: 8298045.8/43



Right In: -0.000+/-0.000 χ^2/NDF: 17.9/17

Left Out: -0.000+/-0.000 χ^2/NDF:43.9/24

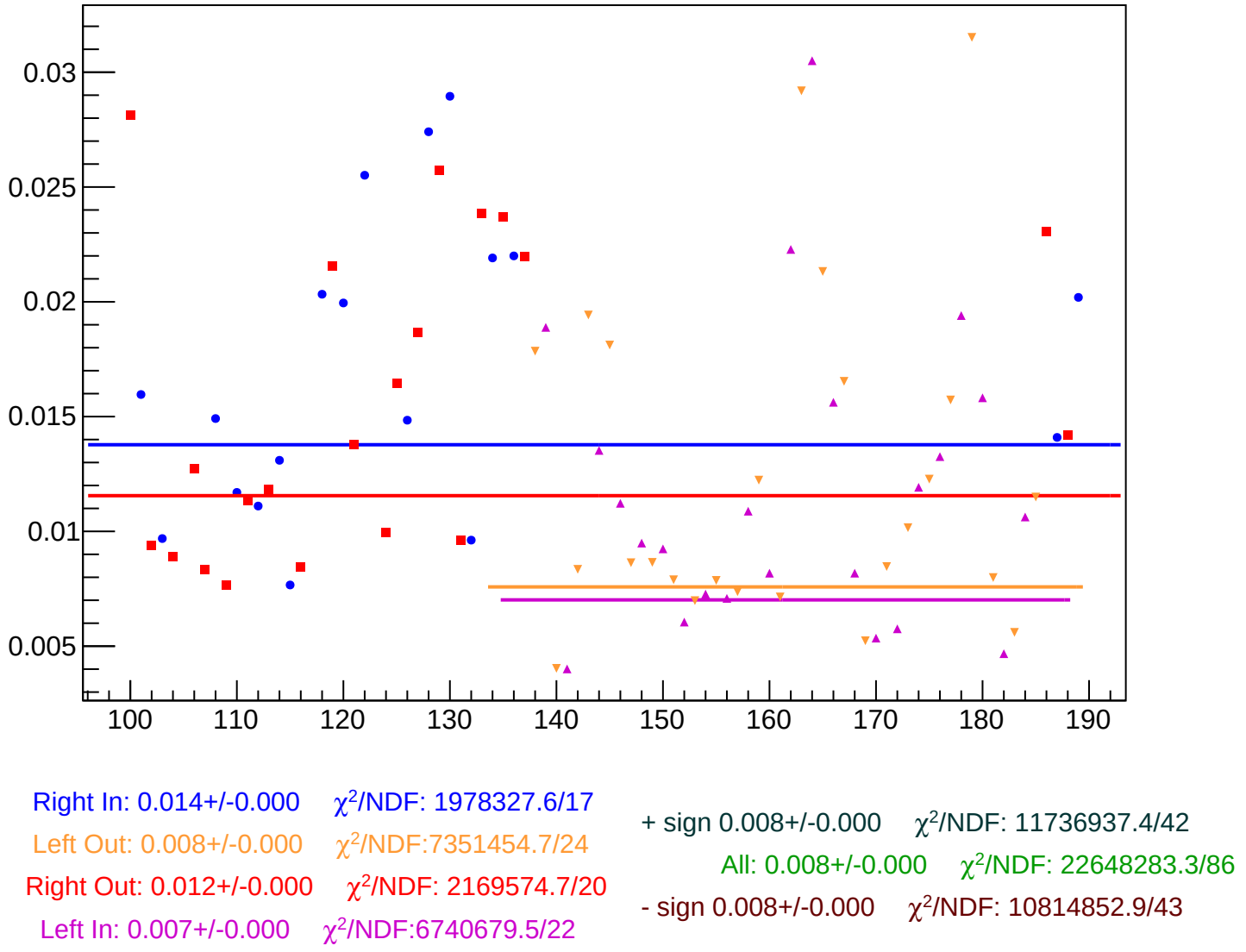
Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/20

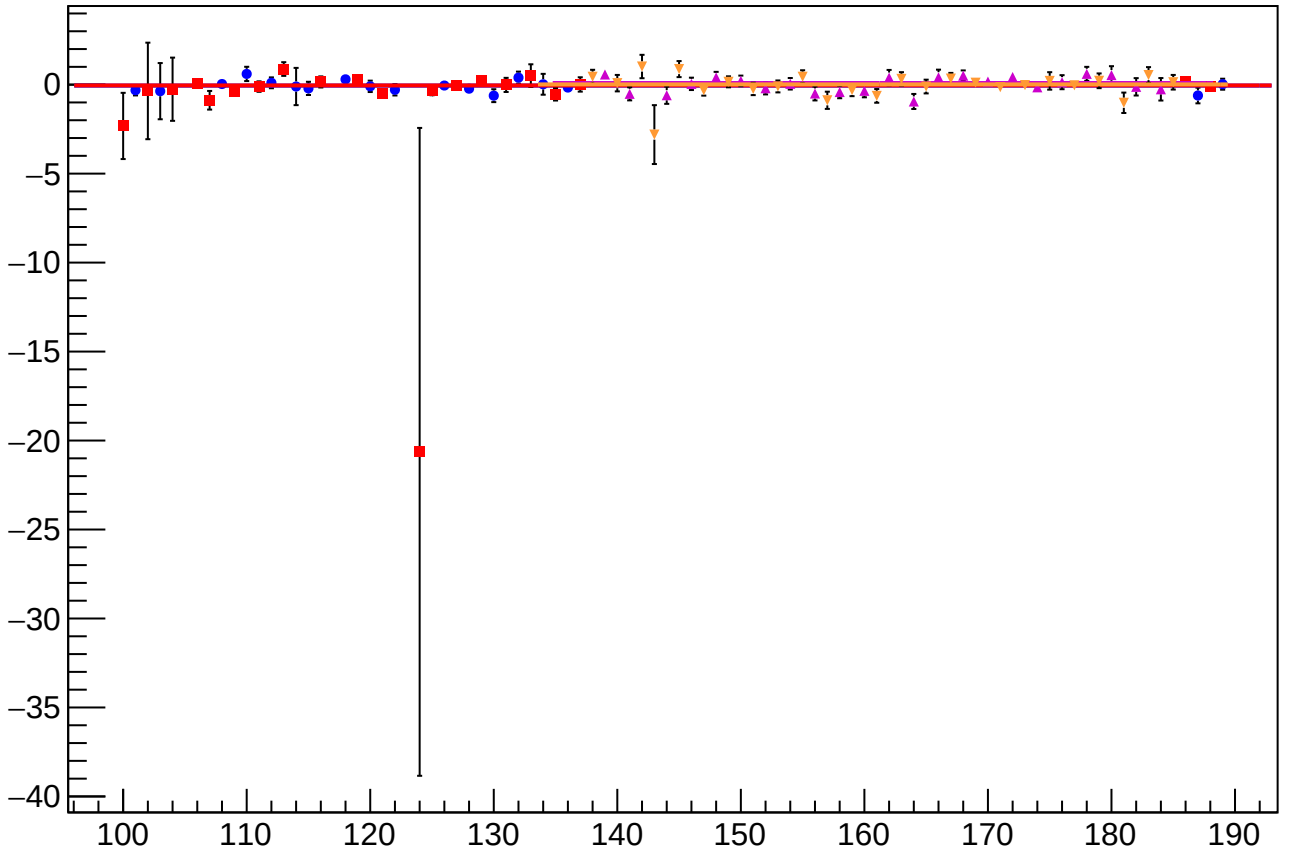
Left In: 0.000+/-0.000 χ^2/NDF:29.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 61.9/42

All: -0.000+/-0.000 χ^2/NDF: 116.2/86

- sign 0.000+/-0.000 χ^2/NDF: 51.2/43


asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
180
190
Right In: 0.014+/-0.000 χ²/NDF: 1978327.6/17
Left Out: 0.008+/-0.000 χ²/NDF:7351454.7/24
Right Out: 0.012+/-0.000 χ²/NDF: 2169574.7/20
Left In: 0.007+/-0.000 χ²/NDF:6740679.5/22
+ sign 0.008+/-0.000 χ²/NDF: 11736937.4/42
All: 0.008+/-0.000 χ²/NDF: 22648283.3/86
- sign 0.008+/-0.000 χ²/NDF: 10814852.9/43



Right In: -0.054+/-0.074 χ^2/NDF: 13.4/17

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.045+/-0.063 χ^2/NDF: 24.8/20

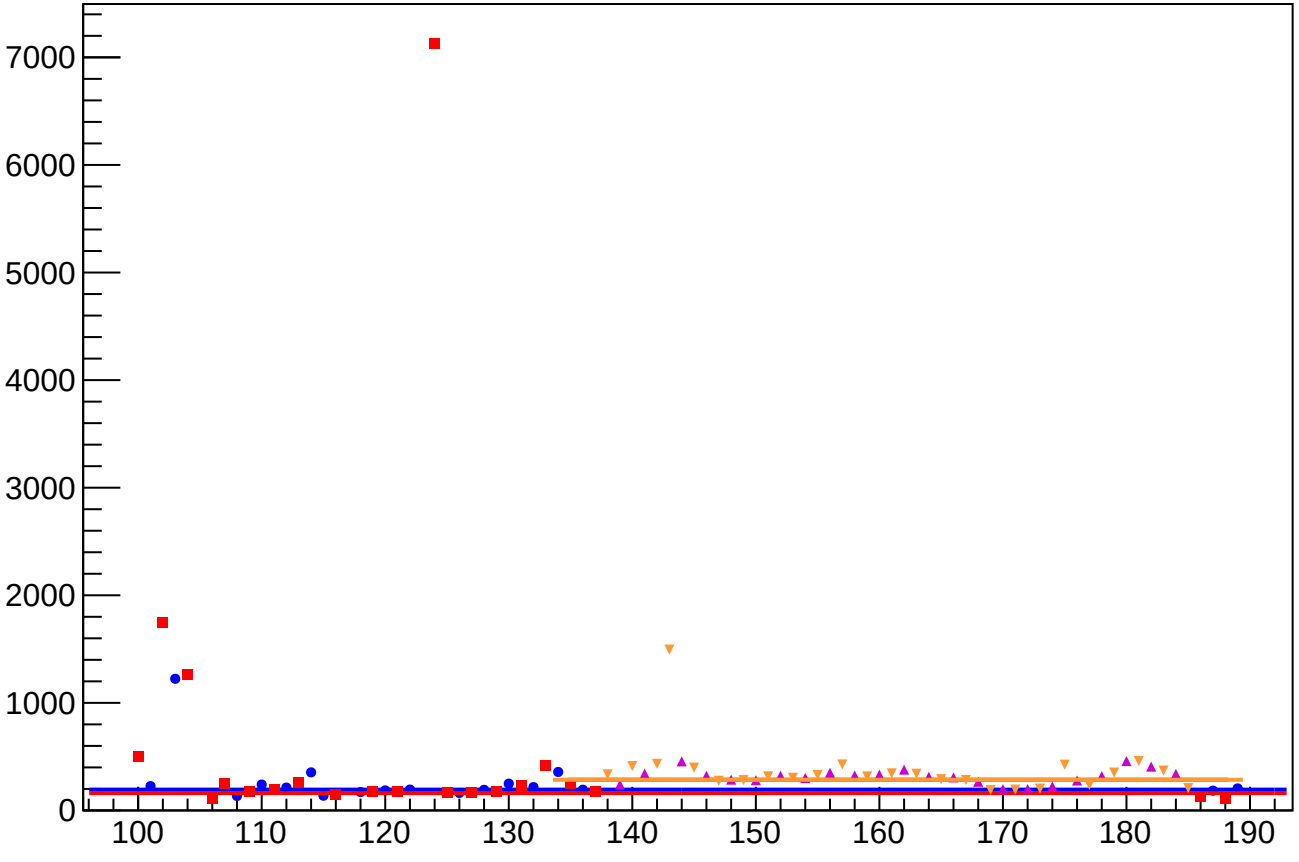
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.017+/-0.051 χ^2/NDF: 42.1/42

All: 0.000+/-0.035 χ^2/NDF: 100.1/86

- sign 0.015+/-0.047 χ^2/NDF: 57.8/43

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 193.672+/-0.053 χ^2/NDF: 1412035.0/17

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

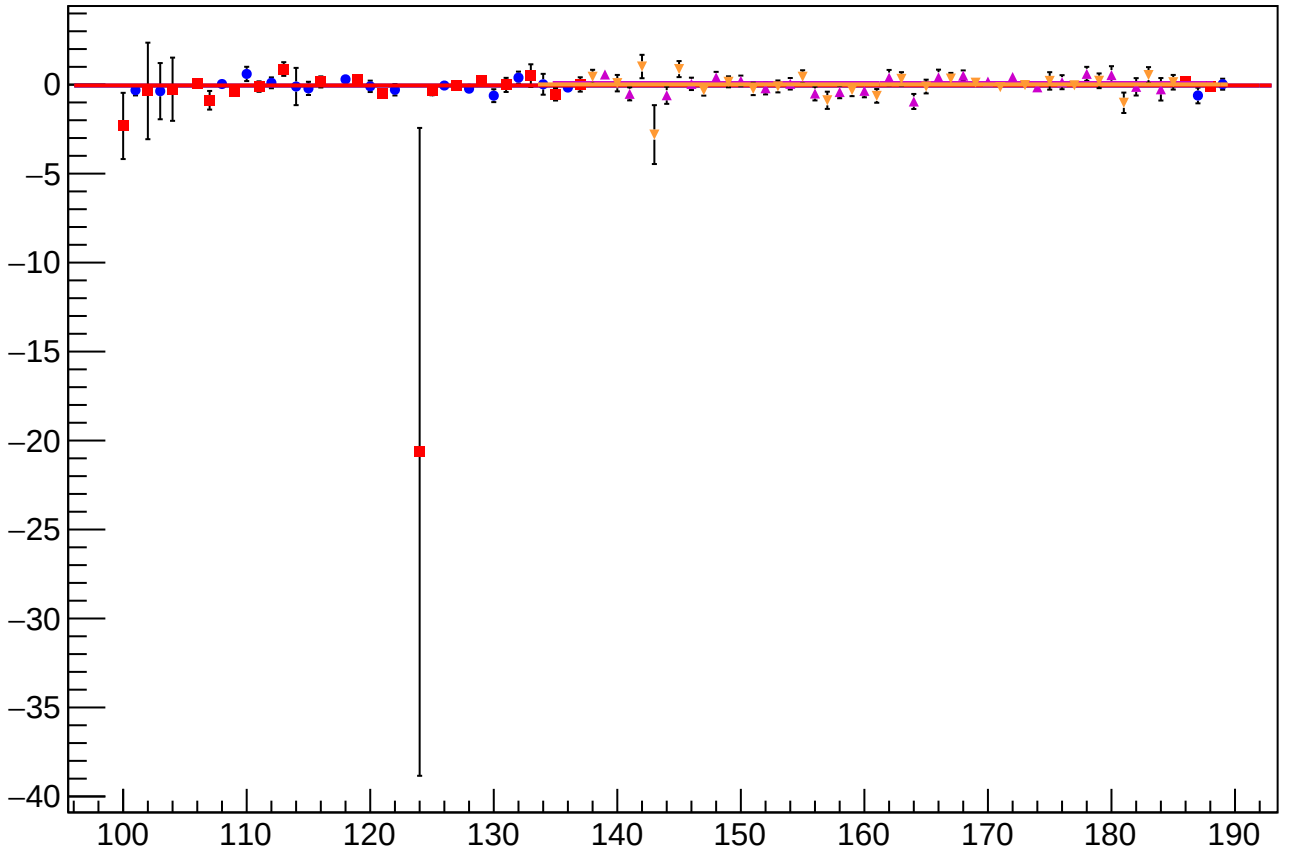
Right Out: 160.992+/-0.045 χ^2/NDF: 3061456.6/20

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 242.203+/-0.036 χ^2/NDF: 6424739.7/42

All: 228.342+/-0.024 χ^2/NDF: 14997989.8/86

- sign 216.536+/-0.033 χ^2/NDF: 8298466.5/43



Right In: -0.054+/-0.074 χ^2/NDF: 13.4/17

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

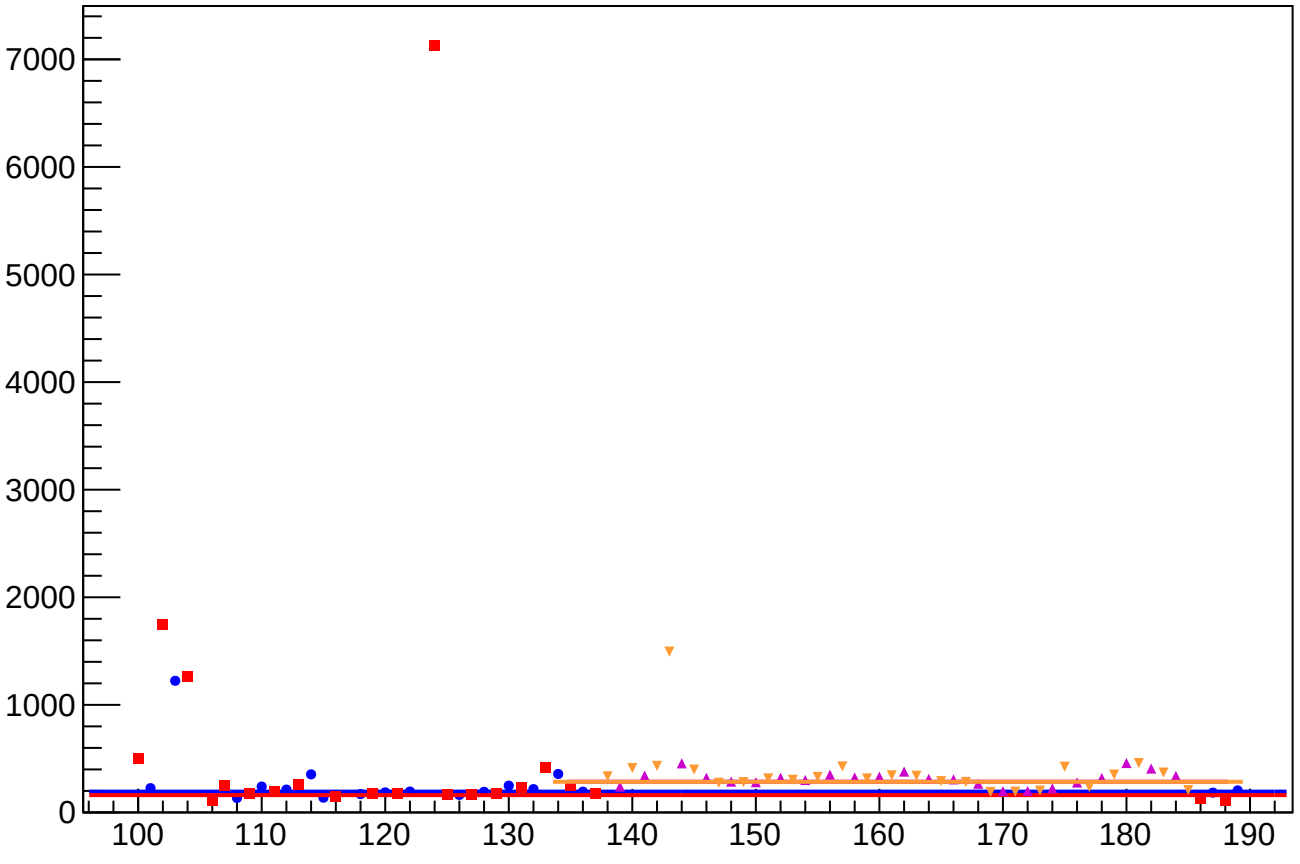
Right Out: -0.045+/-0.063 χ^2/NDF: 24.8/20

Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.017+/-0.051 χ^2/NDF: 42.1/42

All: 0.000+/-0.035 χ^2/NDF: 100.1/86

- sign 0.015+/-0.047 χ^2/NDF: 57.8/43



Right In: 193.672+/-0.053 χ^2/NDF: 1412035.0/17

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

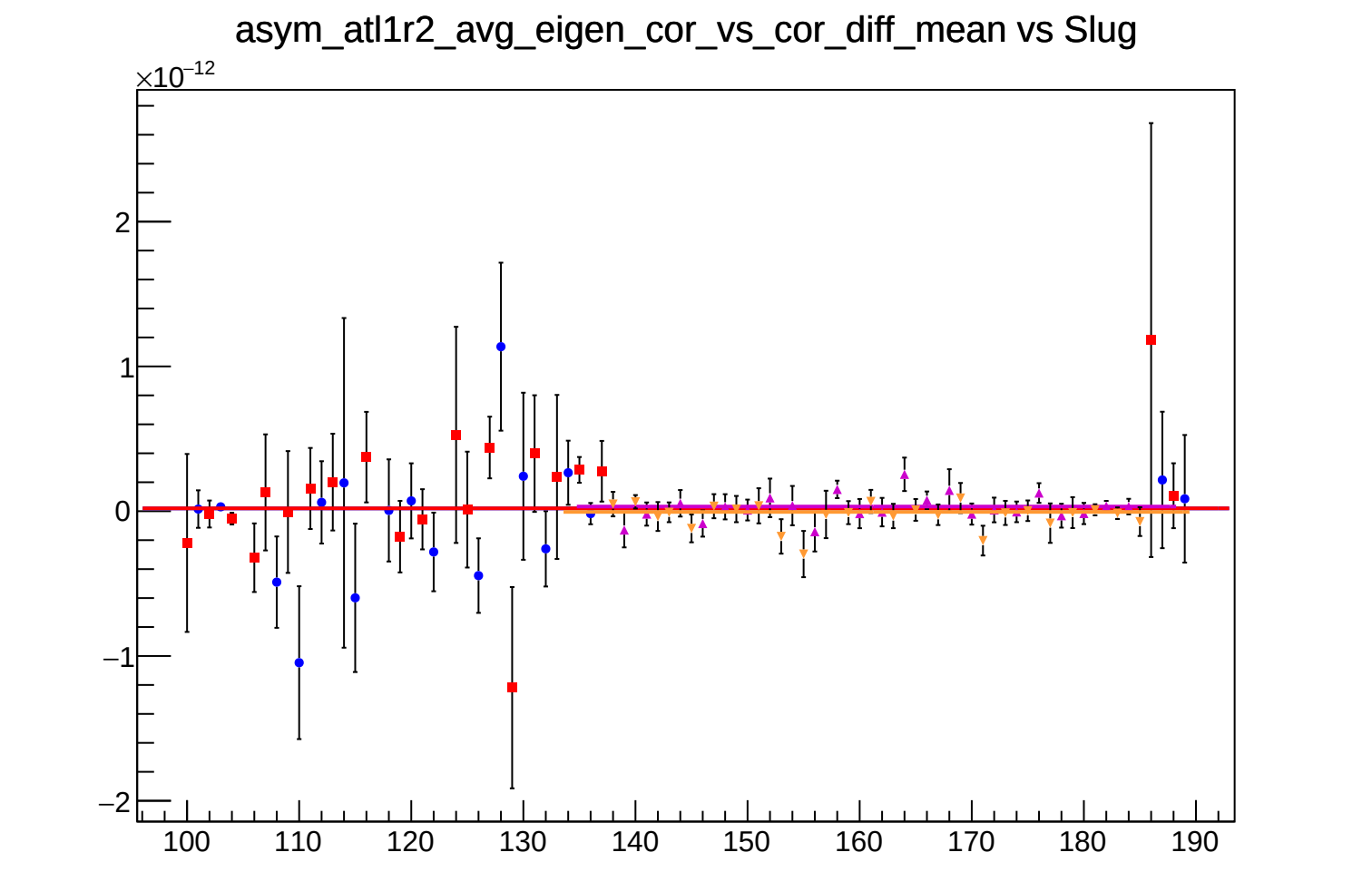
Right Out: 160.992+/-0.045 χ^2/NDF: 3061456.6/20

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 242.203+/-0.036 χ^2/NDF: 6424739.7/42

All: 228.342+/-0.024 χ^2/NDF: 14997989.8/86

- sign 216.536+/-0.033 χ^2/NDF: 8298466.5/43



Right In: 0.000+/-0.000 χ^2/NDF: 19.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:16.6/24

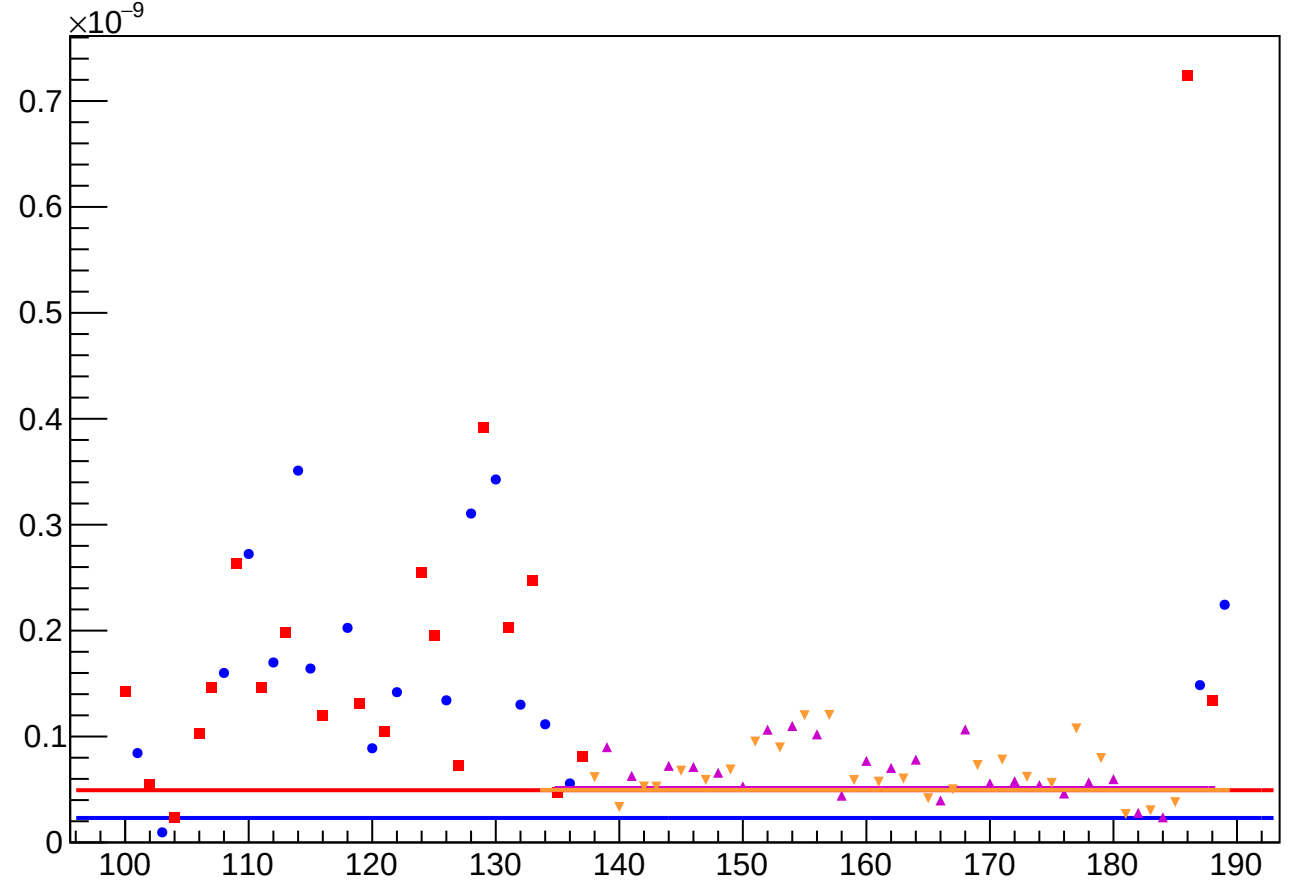
Right Out: 0.000+/-0.000 χ^2/NDF: 27.9/20

Left In: 0.000+/-0.000 χ^2/NDF:18.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 37.1/42

All: 0.000+/-0.000 χ^2/NDF: 85.8/86

- sign 0.000+/-0.000 χ^2/NDF: 46.8/43



Right In: 0.000+/-0.000 χ^2/NDF: 6971474.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:3882649.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4932677.5/20

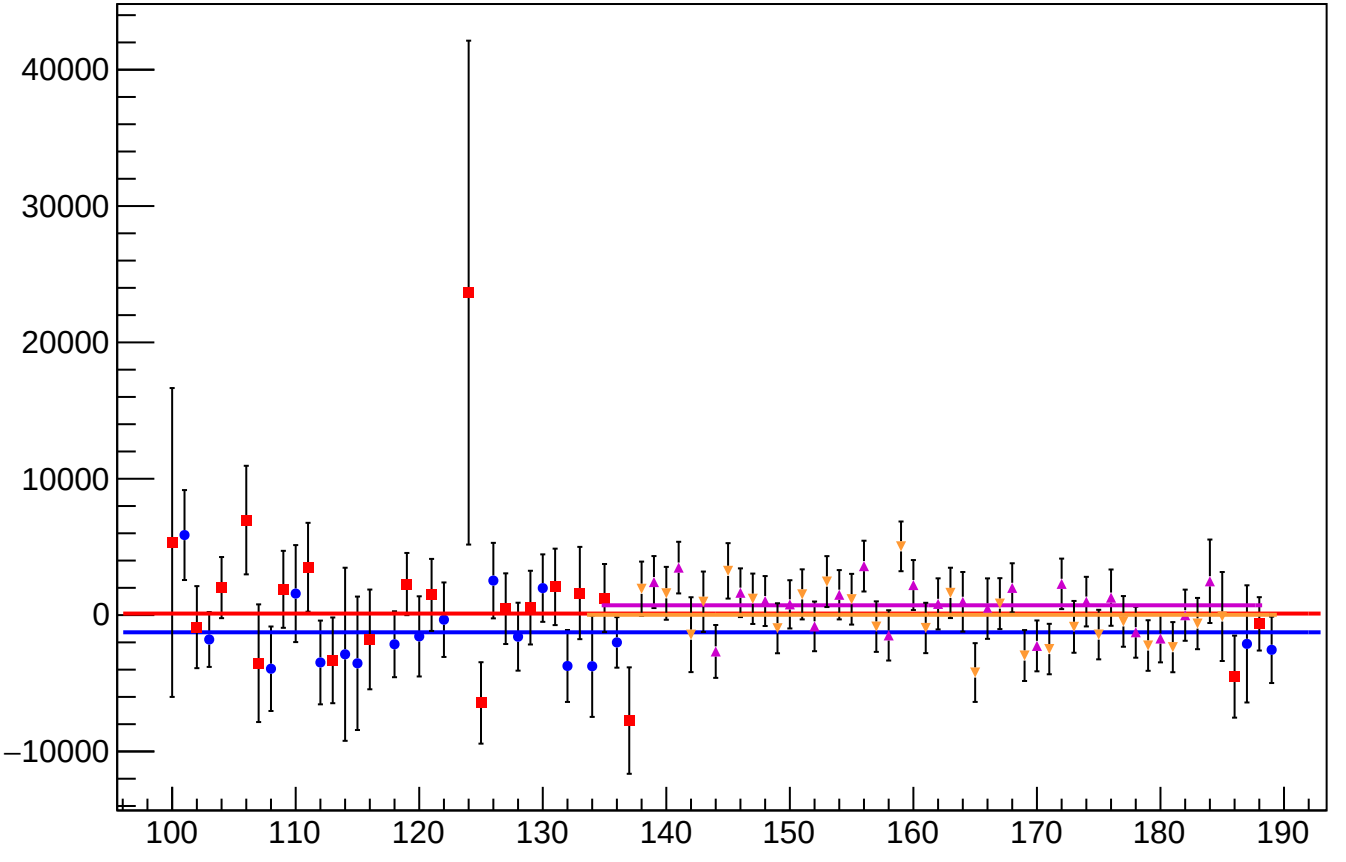
Left In: 0.000+/-0.000 χ^2/NDF:3659712.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 13016161.8/42

All: 0.000+/-0.000 χ^2/NDF: 22269267.2/86

- sign 0.000+/-0.000 χ^2/NDF: 8599691.6/43

reg_asym_atl1r2_dd_mean vs Slug



Right In: -1261.131+/-659.329 χ^2/NDF: 12.6/17

Left Out: 23.114+/-387.732 χ^2/NDF:29.5/24

Right Out: 112.631+/-648.453 χ^2/NDF: 22.8/20

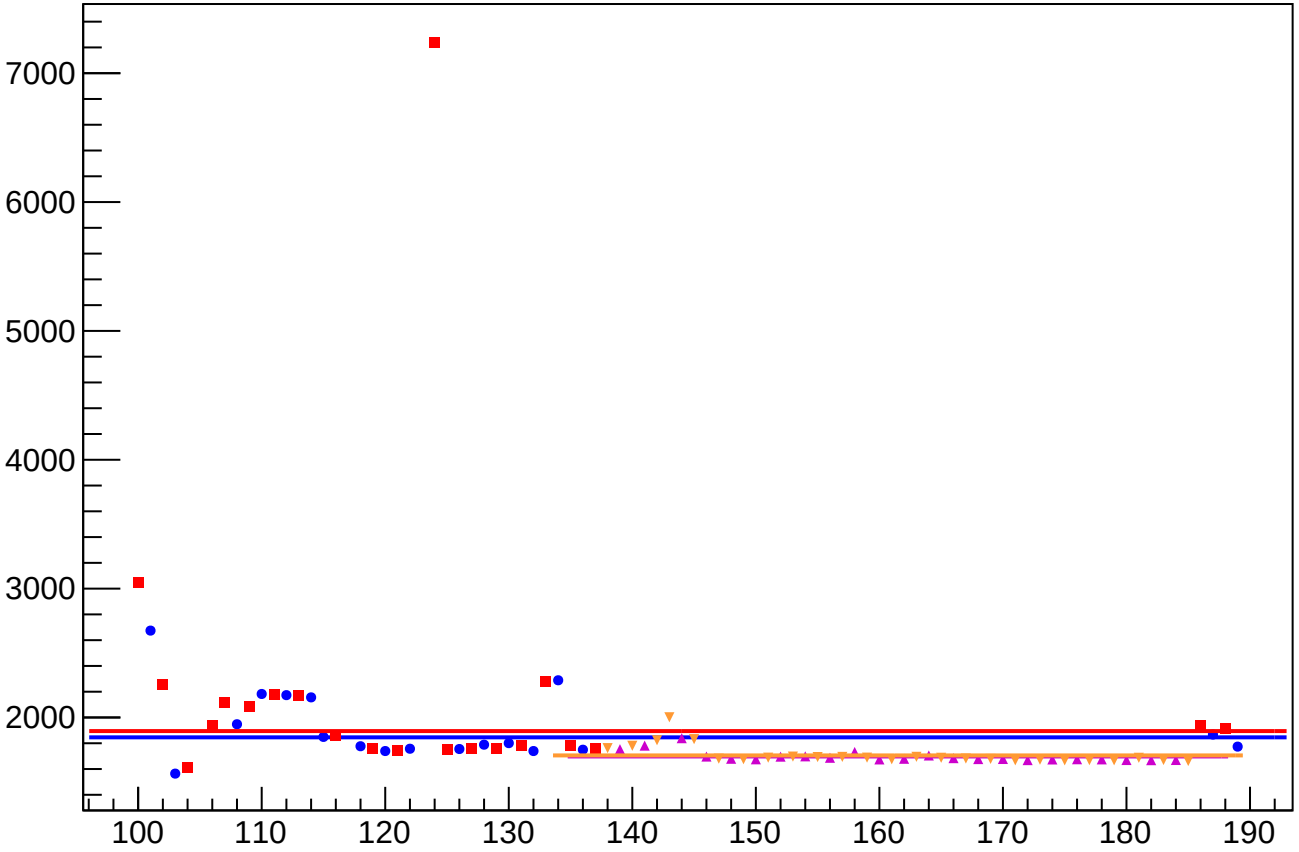
Left In: 719.504+/-396.449 χ^2/NDF:19.1/22

+ sign -306.889+/-334.224 χ^2/NDF: 44.9/42

All: 118.600+/-237.740 χ^2/NDF: 90.6/86

- sign 554.384+/-338.243 χ^2/NDF: 42.5/43

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1845.852+/-0.466 χ^2/NDF: 261896.1/17

Left Out: 1705.634+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1894.424+/-0.458 χ^2/NDF: 359587.7/20

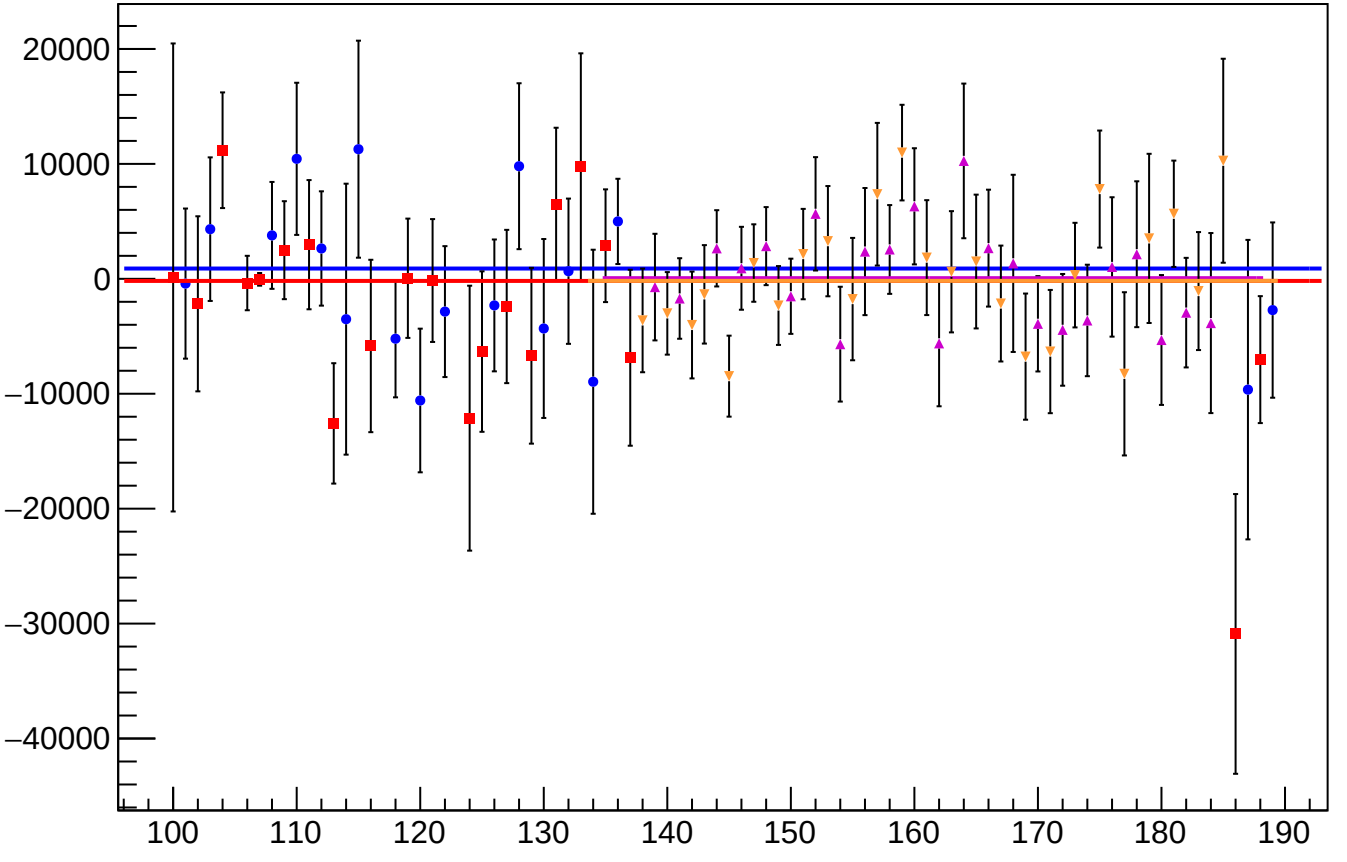
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1741.665+/-0.236 χ^2/NDF: 389035.9/42

All: 1746.399+/-0.168 χ^2/NDF: 905207.3/86

- sign 1751.242+/-0.239 χ^2/NDF: 515359.6/43

asym_atl1r2_dd_reg_correction_mean vs Slug



Right In: 895.146+/-1464.476 χ^2/NDF: 14.6/17

Left Out: -175.777+/-935.141 χ^2/NDF:27.9/24

Right Out: -183.113+/-503.156 χ^2/NDF: 25.9/20

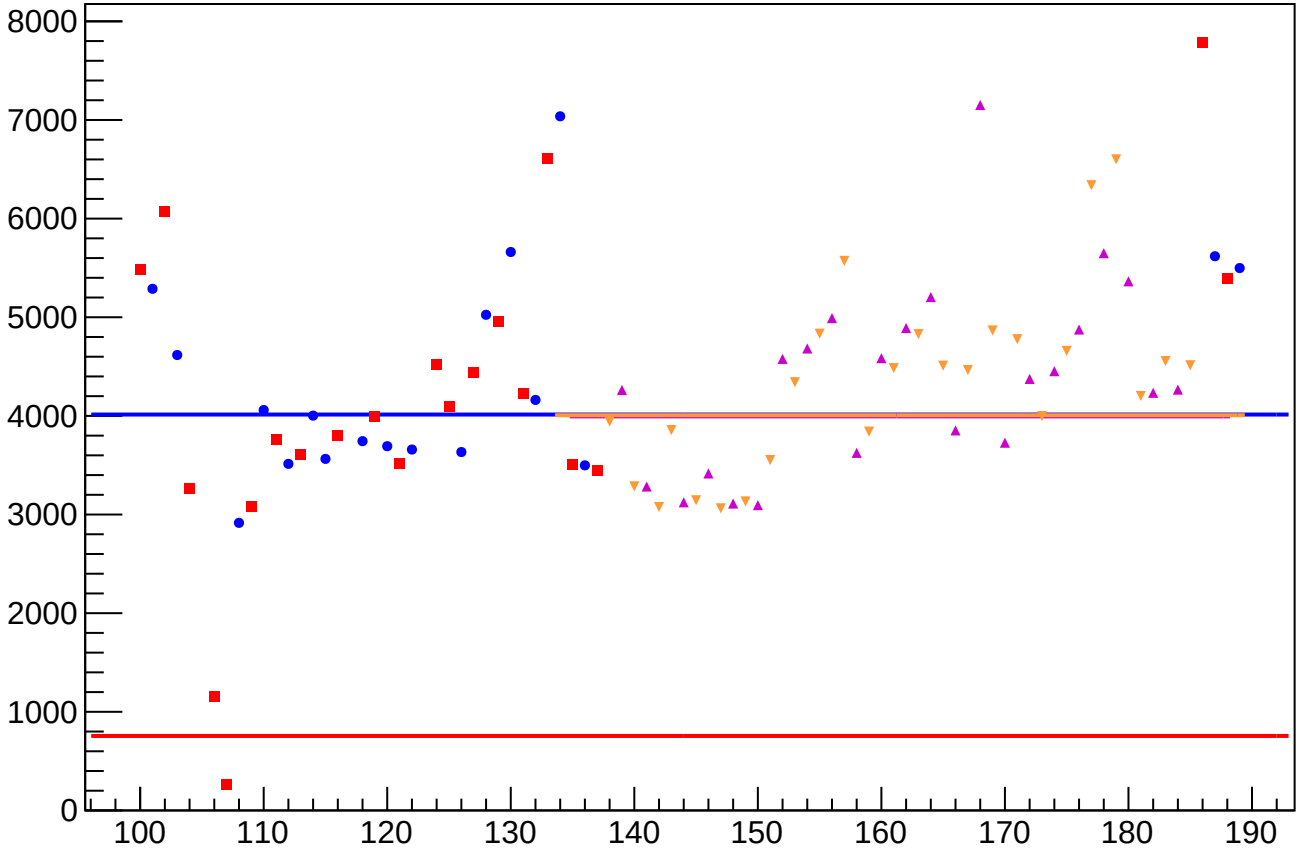
Left In: 56.448+/-956.389 χ^2/NDF:14.3/22

+ sign 134.410+/-788.161 χ^2/NDF: 43.0/42

All: -66.918+/-387.695 χ^2/NDF: 83.3/86

- sign -131.181+/-445.292 χ^2/NDF: 40.2/43

asym_atl1r2_dd_reg_correction_rms vs Slug



Right In: 4013.660+/-1.036 χ^2/NDF: 671834.1/17

Left Out: 4006.998+/-0.661 χ^2/NDF:1503677.6/24

Right Out: 755.371+/-0.356 χ^2/NDF: 12714610.5/20

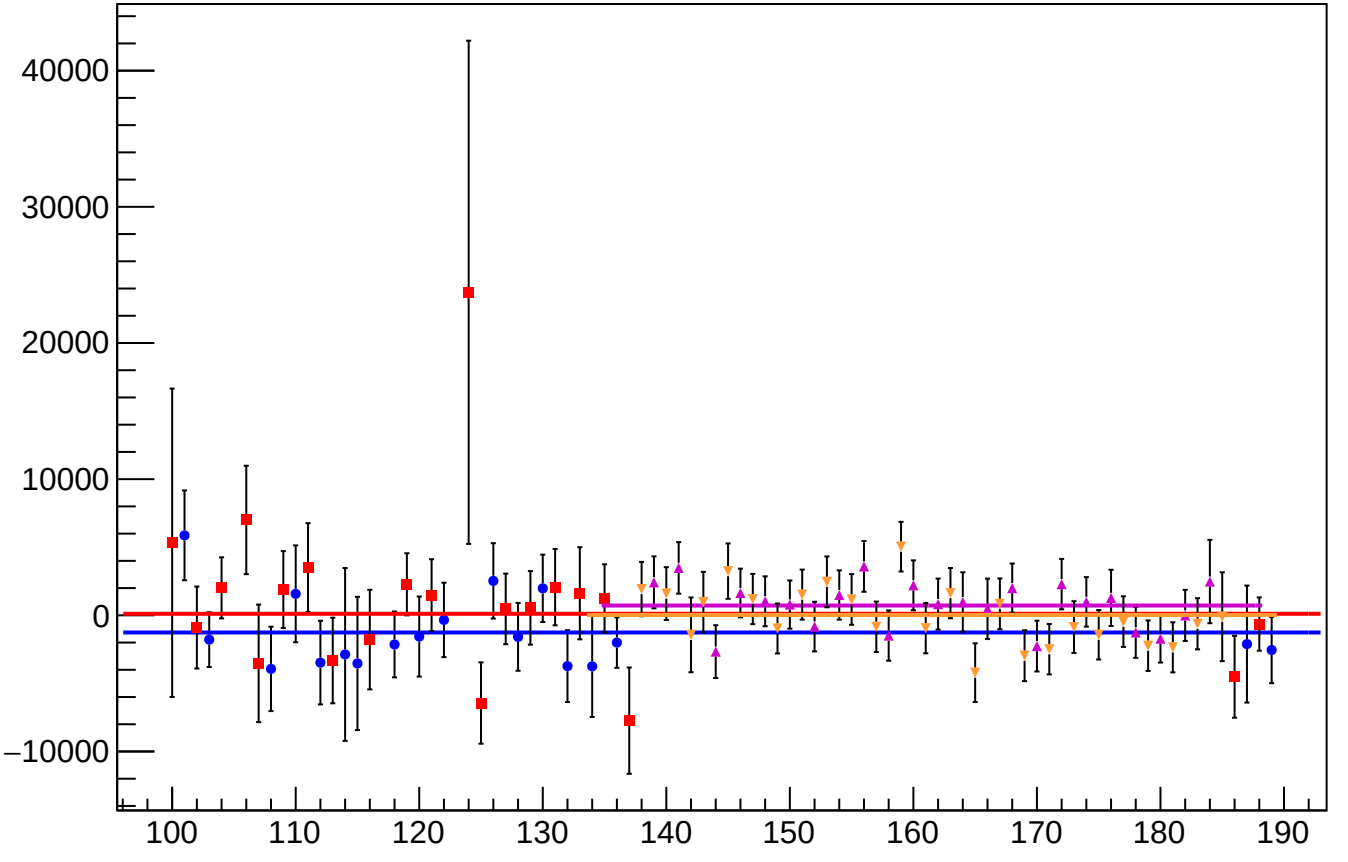
Left In: 3994.974+/-0.676 χ^2/NDF:1538115.4/22

+ sign 4008.928+/-0.557 χ^2/NDF: 2175541.1/42

All: 2074.968+/-0.274 χ^2/NDF: 50287208.2/8

- sign 1457.654+/-0.315 χ^2/NDF: 32226042.4/43

cor_asym_atl1r2_dd_mean vs Slug



Right In: -1260.761+/-659.329 χ^2/NDF: 12.6/17

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: 112.913+/-648.454 χ^2/NDF: 22.8/20

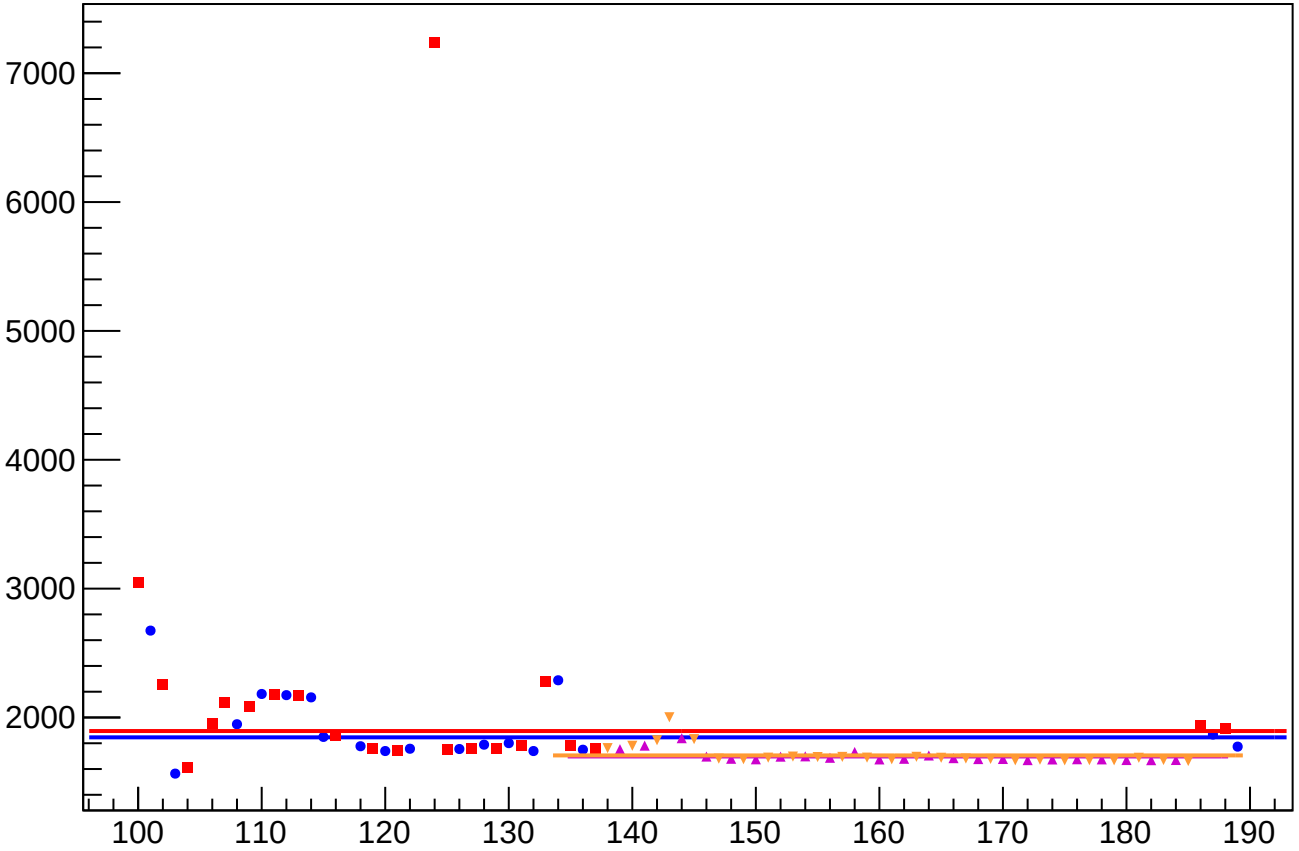
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

+ sign -306.741+/-334.224 χ^2/NDF: 44.9/42

All: 118.669+/-237.740 χ^2/NDF: 90.7/86

- sign 554.372+/-338.243 χ^2/NDF: 42.5/43

cor_asym_atl1r2_dd_rms vs Slug



Right In: 1845.852+/-0.466 χ^2/NDF: 261895.3/17

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1894.813+/-0.458 χ^2/NDF: 359789.4/20

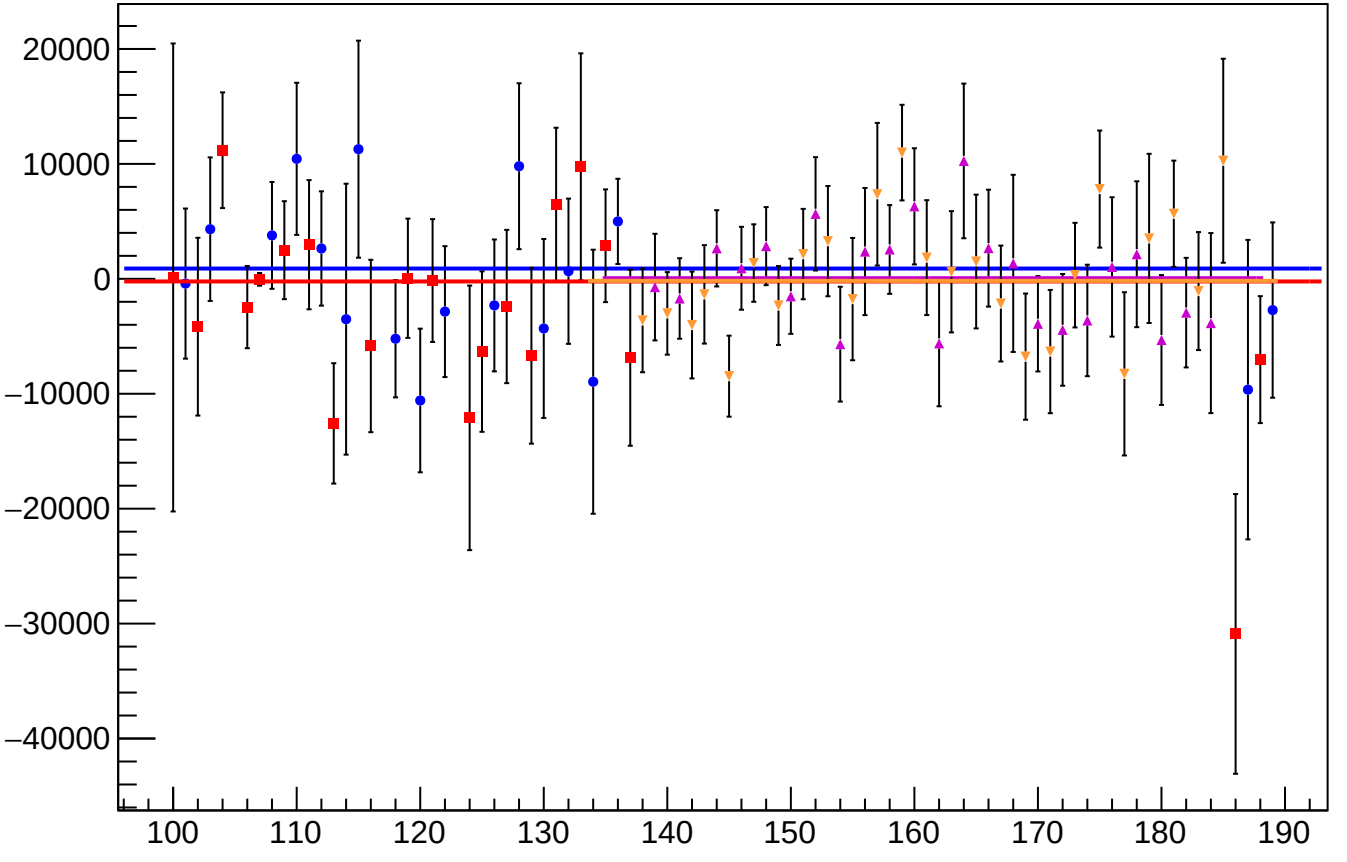
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1741.665+/-0.236 χ^2/NDF: 389035.4/42

All: 1746.444+/-0.168 χ^2/NDF: 905918.4/86

- sign 1751.334+/-0.239 χ^2/NDF: 516055.8/43

asym_atl1r2_dd_cor_correction_mean vs Slug



Right In: 895.130+/-1464.482 χ^2/NDF: 14.6/17

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: -228.778+/-509.652 χ^2/NDF: 26.5/20

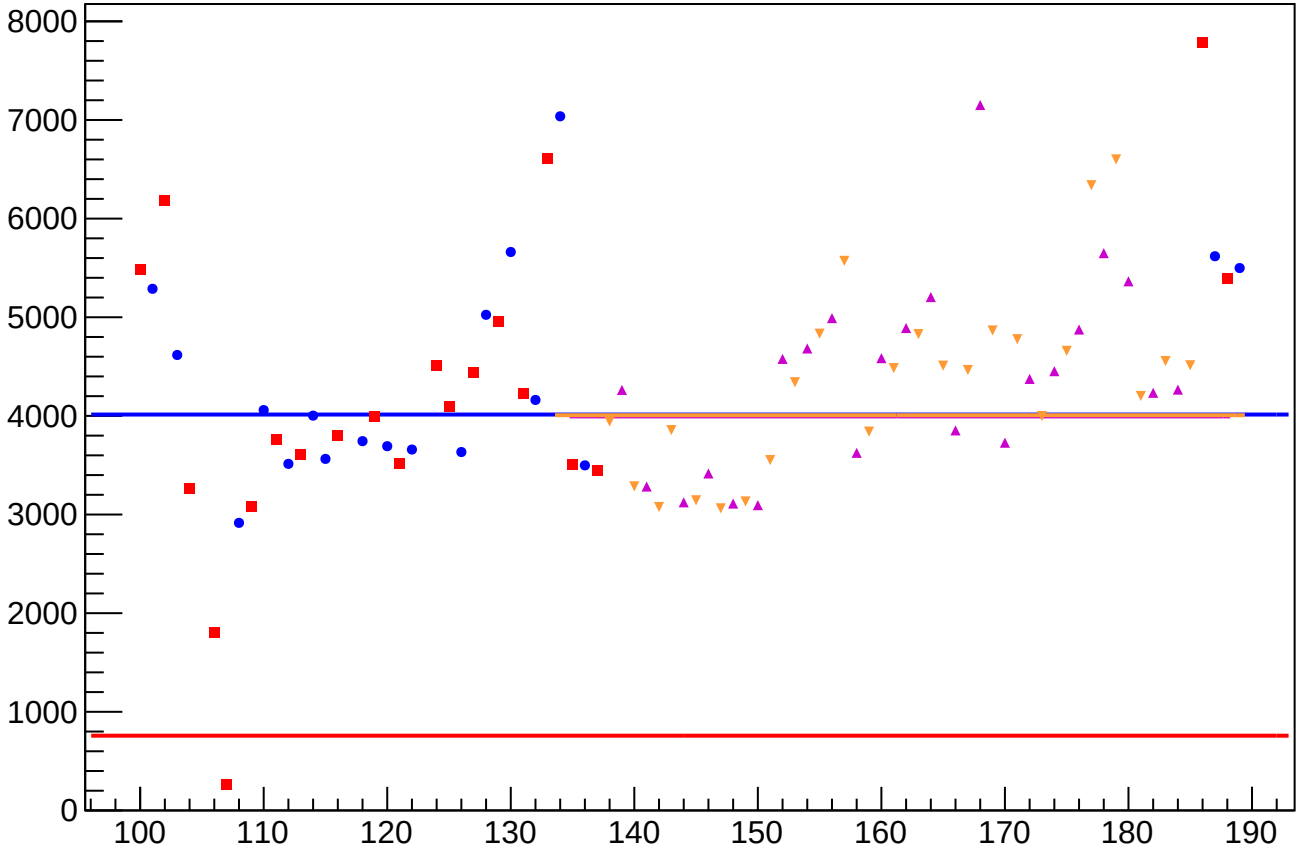
Left In: 56.377+/-956.388 χ^2/NDF:14.3/22

+ sign 134.419+/-788.161 χ^2/NDF: 43.0/42

All: -91.982+/-390.643 χ^2/NDF: 83.9/86

- sign -165.711+/-449.775 χ^2/NDF: 40.8/43

asym_atl1r2_dd_cor_correction_rms vs Slug



Right In: 4013.670+/-1.036 χ^2/NDF: 671860.0/17

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 757.918+/-0.360 χ^2/NDF: 12841656.4/20

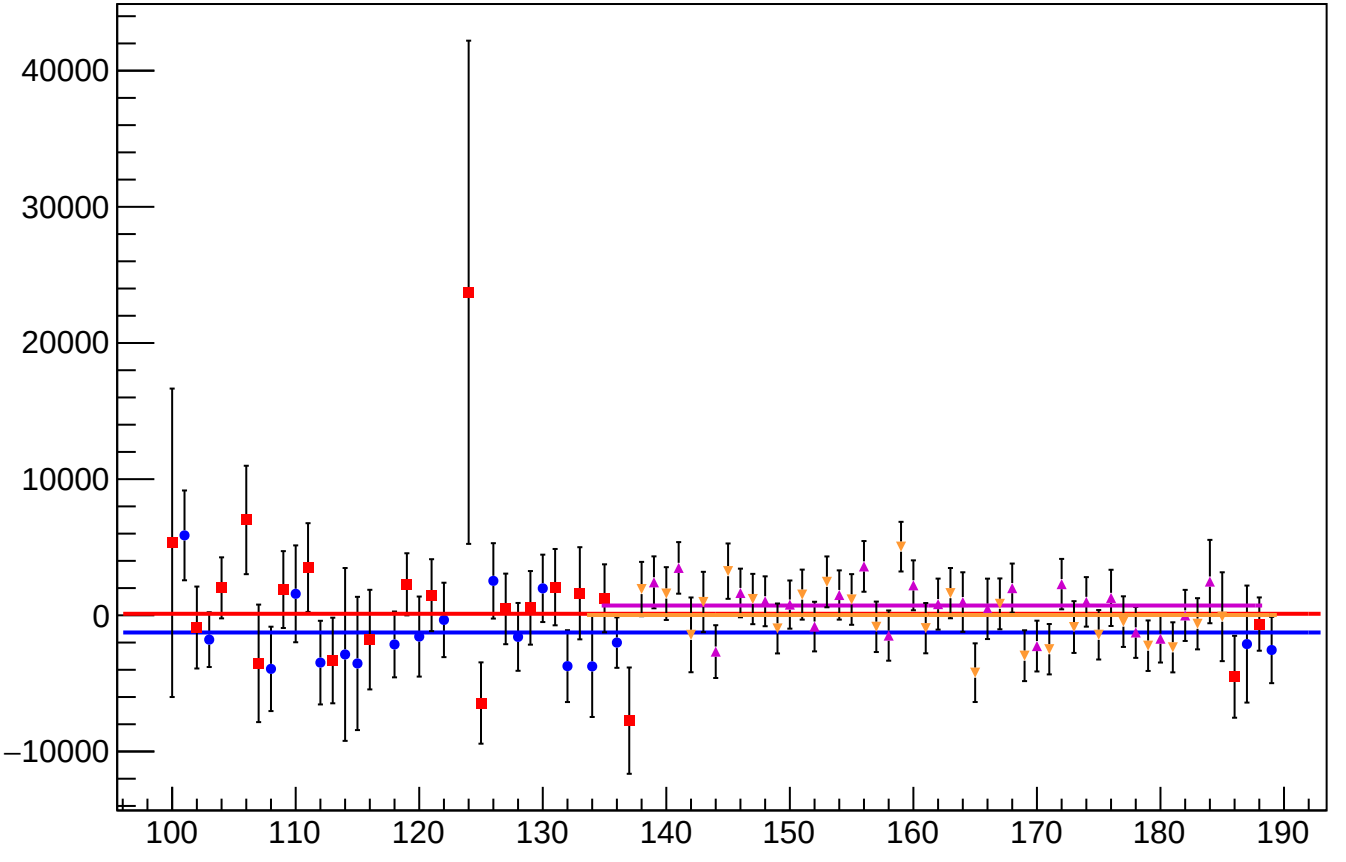
Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

\+ sign 4008.925+/-0.557 χ^2/NDF: 2175587.8/42

All: 2096.611+/-0.276 χ^2/NDF: 50007957.8/8

\- sign 1473.852+/-0.318 χ^2/NDF: 32224292.0/43

eigen_cor_asym_atl1r2_dd_mean vs Slug



Right In: -1260.761+/-659.329 χ^2/NDF: 12.6/17

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: 112.913+/-648.454 χ^2/NDF: 22.8/20

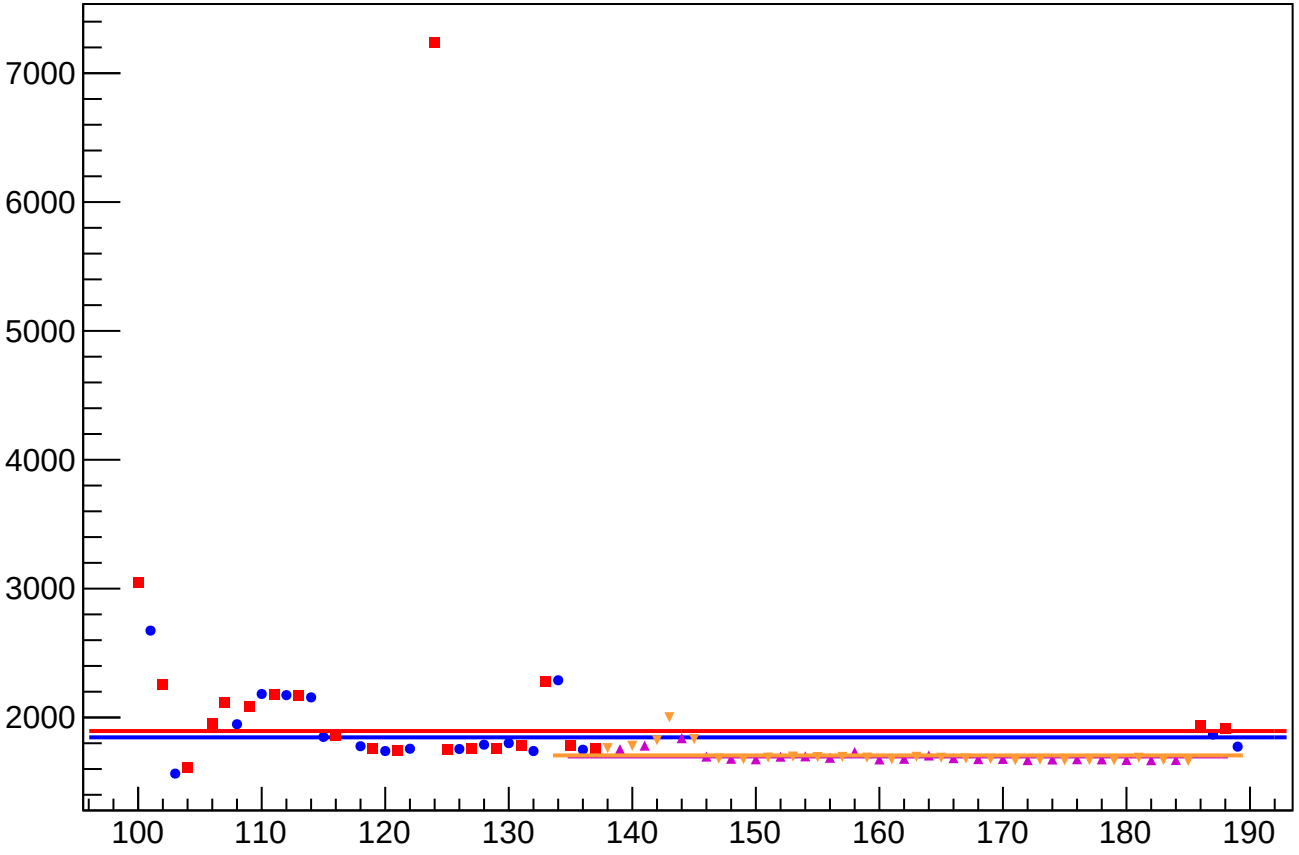
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

+ sign -306.741+/-334.224 χ^2/NDF: 44.9/42

All: 118.669+/-237.740 χ^2/NDF: 90.7/86

- sign 554.372+/-338.243 χ^2/NDF: 42.5/43

eigen_cor_asym_atl1r2_dd_rms vs Slug



Right In: 1845.852+/-0.466 χ^2/NDF: 261895.3/17

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1894.813+/-0.458 χ^2/NDF: 359789.4/20

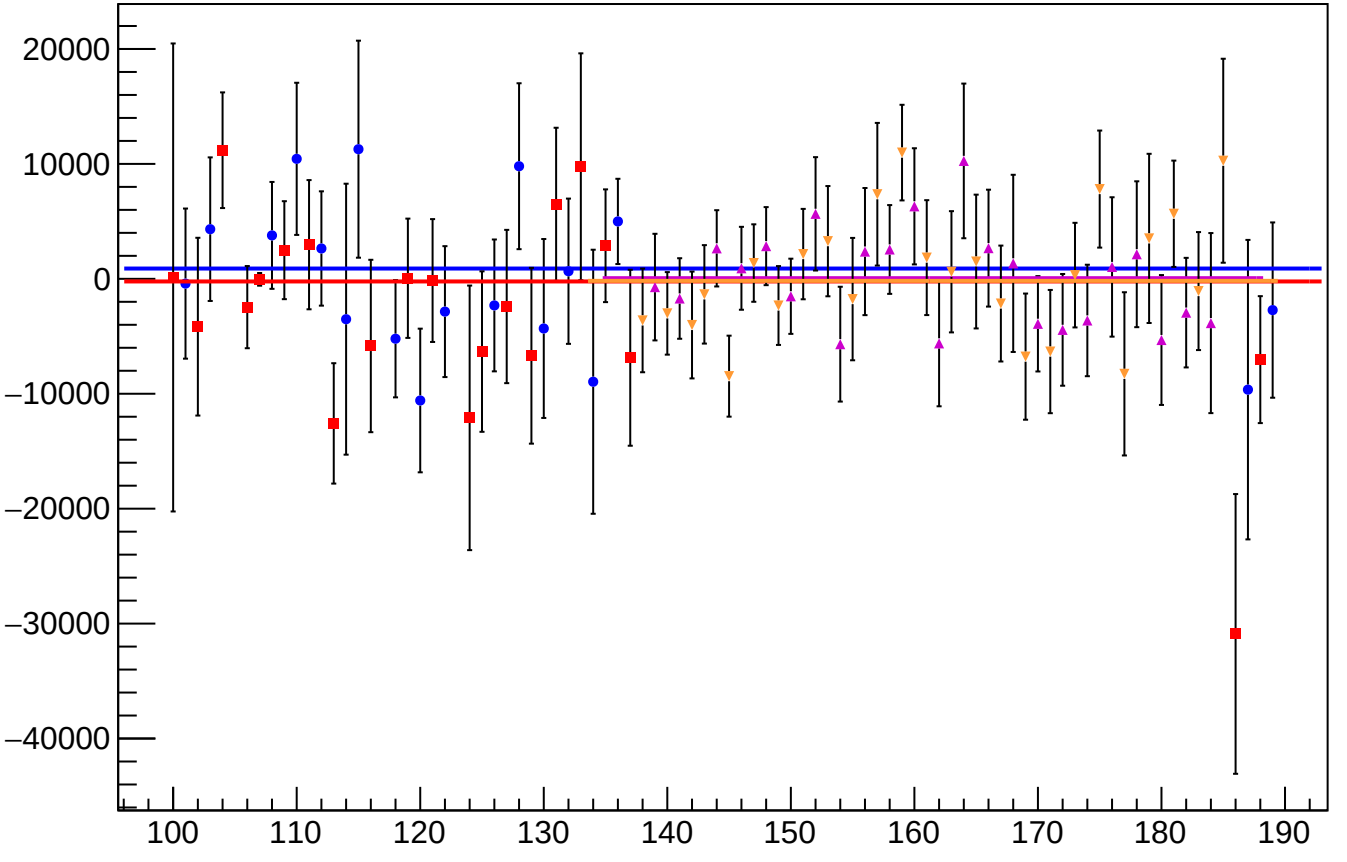
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1741.665+/-0.236 χ^2/NDF: 389035.4/42

All: 1746.444+/-0.168 χ^2/NDF: 905918.4/86

- sign 1751.334+/-0.239 χ^2/NDF: 516055.8/43

asym_atl1r2_dd_eigen_cor_correction_mean vs Slug



Right In: 895.130+/-1464.482 χ^2/NDF: 14.6/17

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: -228.778+/-509.652 χ^2/NDF: 26.5/20

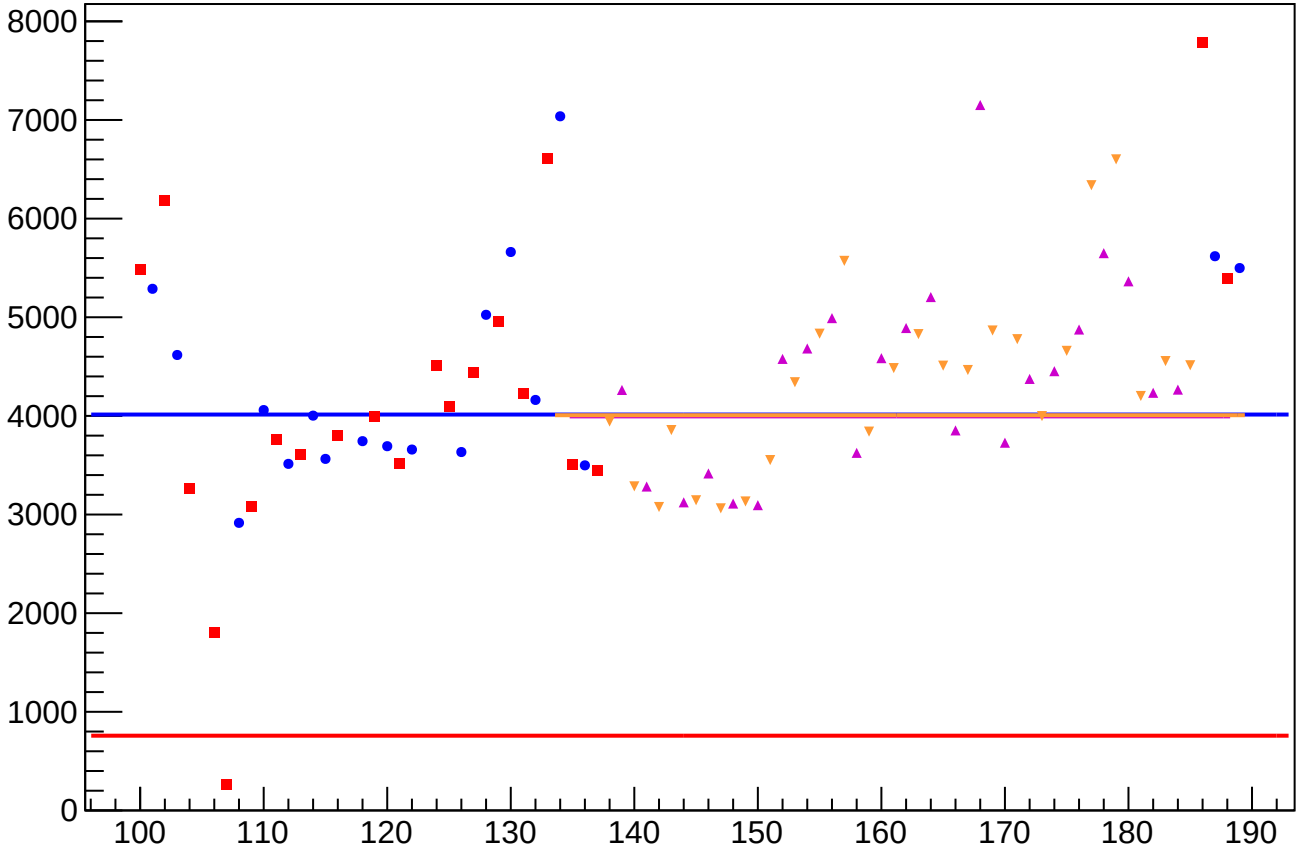
Left In: 56.377+/-956.388 χ^2/NDF:14.3/22

+ sign 134.419+/-788.161 χ^2/NDF: 43.0/42

All: -91.982+/-390.643 χ^2/NDF: 83.9/86

- sign -165.711+/-449.775 χ^2/NDF: 40.8/43

asym_atl1r2_dd_eigen_cor_correction_rms vs Slug



Right In: 4013.670+/-1.036 χ^2/NDF: 671860.0/17

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 757.918+/-0.360 χ^2/NDF: 12841656.4/20

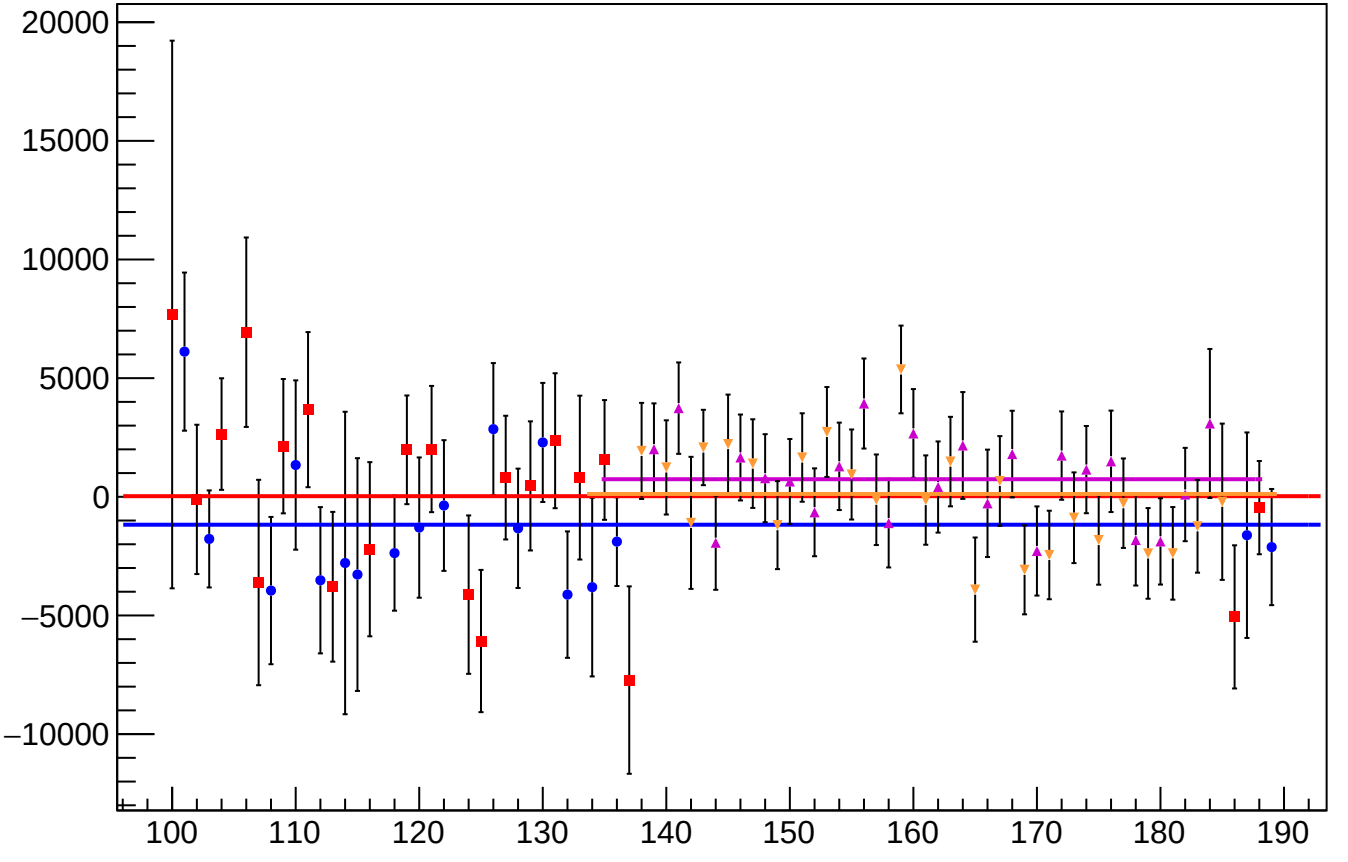
Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

+ sign 4008.925+/-0.557 χ^2/NDF: 2175587.8/42

All: 2096.611+/-0.276 χ^2/NDF: 50007957.8/8

- sign 1473.852+/-0.318 χ^2/NDF: 32224292.0/43

dit_asym_atl1r2_dd_mean vs Slug



Right In: -1176.160+/-664.677 χ^2/NDF: 13.4/17

Left Out: 119.959+/-389.458 χ^2/NDF:29.7/24

Right Out: 26.375+/-643.927 χ^2/NDF: 24.0/20

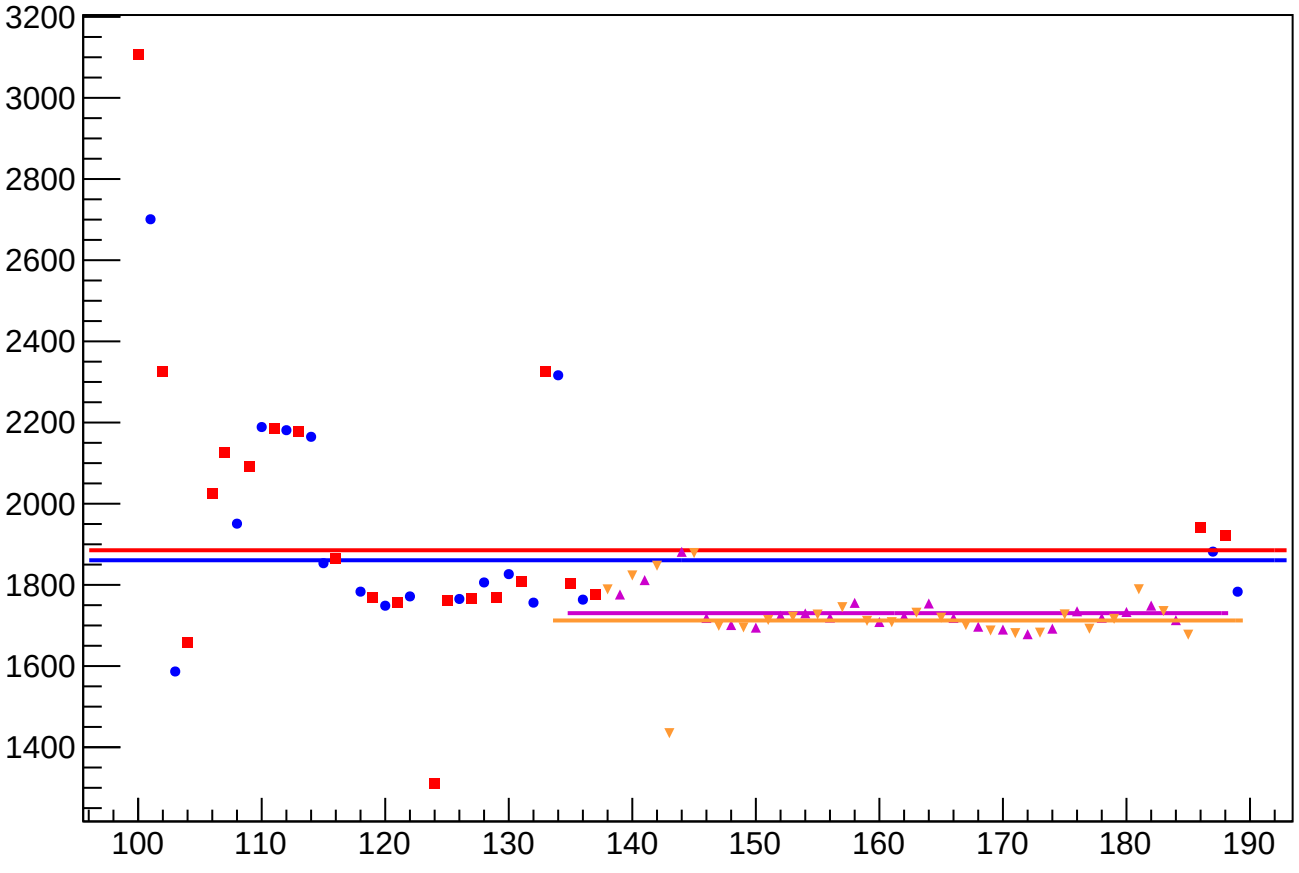
Left In: 741.191+/-404.161 χ^2/NDF:19.0/22

+ sign -211.298+/-336.024 χ^2/NDF: 45.9/42

All: 156.975+/-239.800 χ^2/NDF: 92.2/86

- sign 539.175+/-342.319 χ^2/NDF: 43.8/43

dit_asym_atl1r2_dd_rms vs Slug



Right In: 1860.682+/-0.470 χ^2/NDF: 258450.4/17

Left Out: 1712.310+/-0.275 χ^2/NDF:94399.0/24

Right Out: 1885.316+/-0.455 χ^2/NDF: 253472.1/20

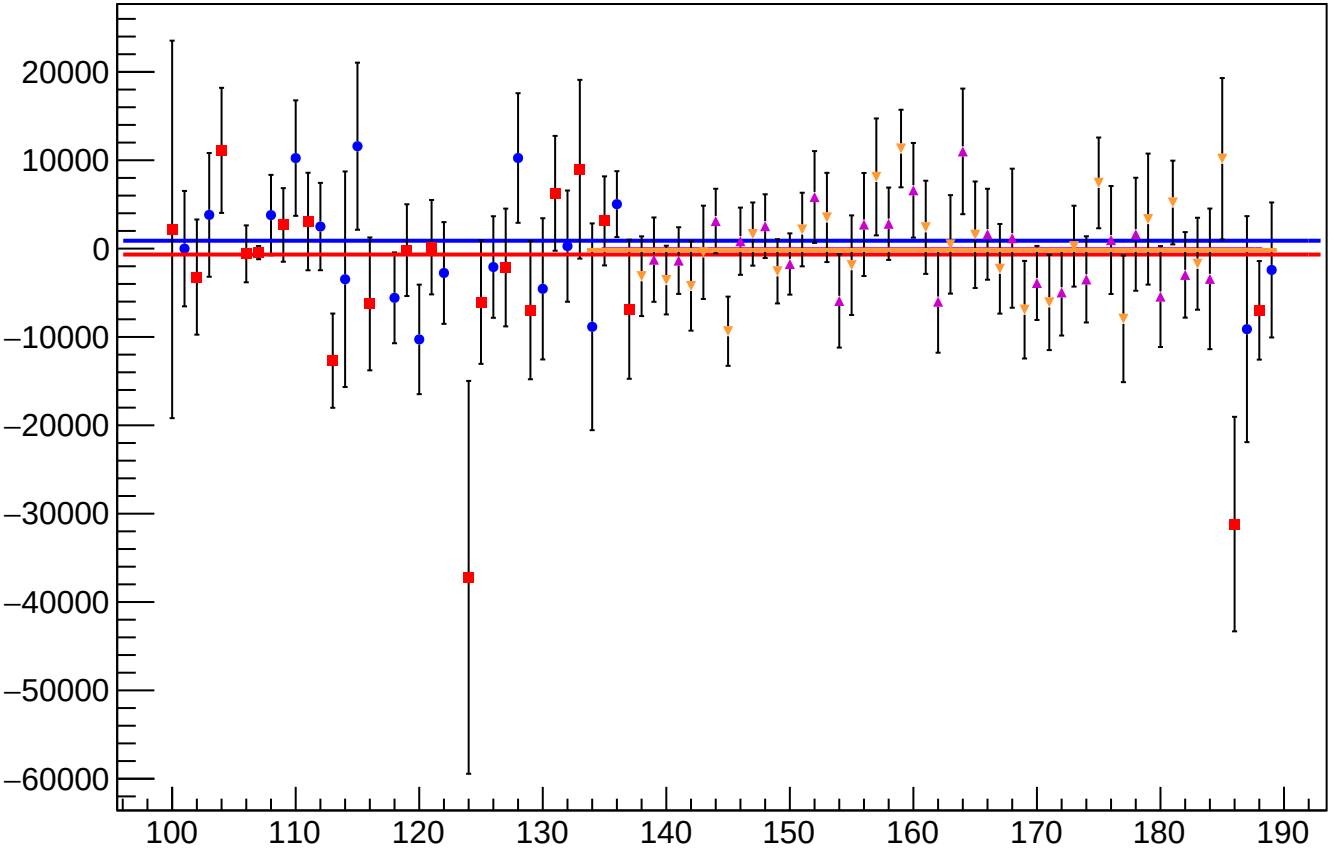
Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

+ sign 1750.230+/-0.238 χ^2/NDF: 427037.4/42

All: 1761.987+/-0.170 χ^2/NDF: 791763.3/86

- sign 1774.183+/-0.242 χ^2/NDF: 359737.7/43

asym_atl1r2_dd_dit_correction_mean vs Slug



Right In: 891.607+/-1473.560 χ^2/NDF: 14.5/17

Left Out: -150.169+/-984.984 χ^2/NDF:26.9/24

Right Out: -670.722+/-653.022 χ^2/NDF: 24.6/20

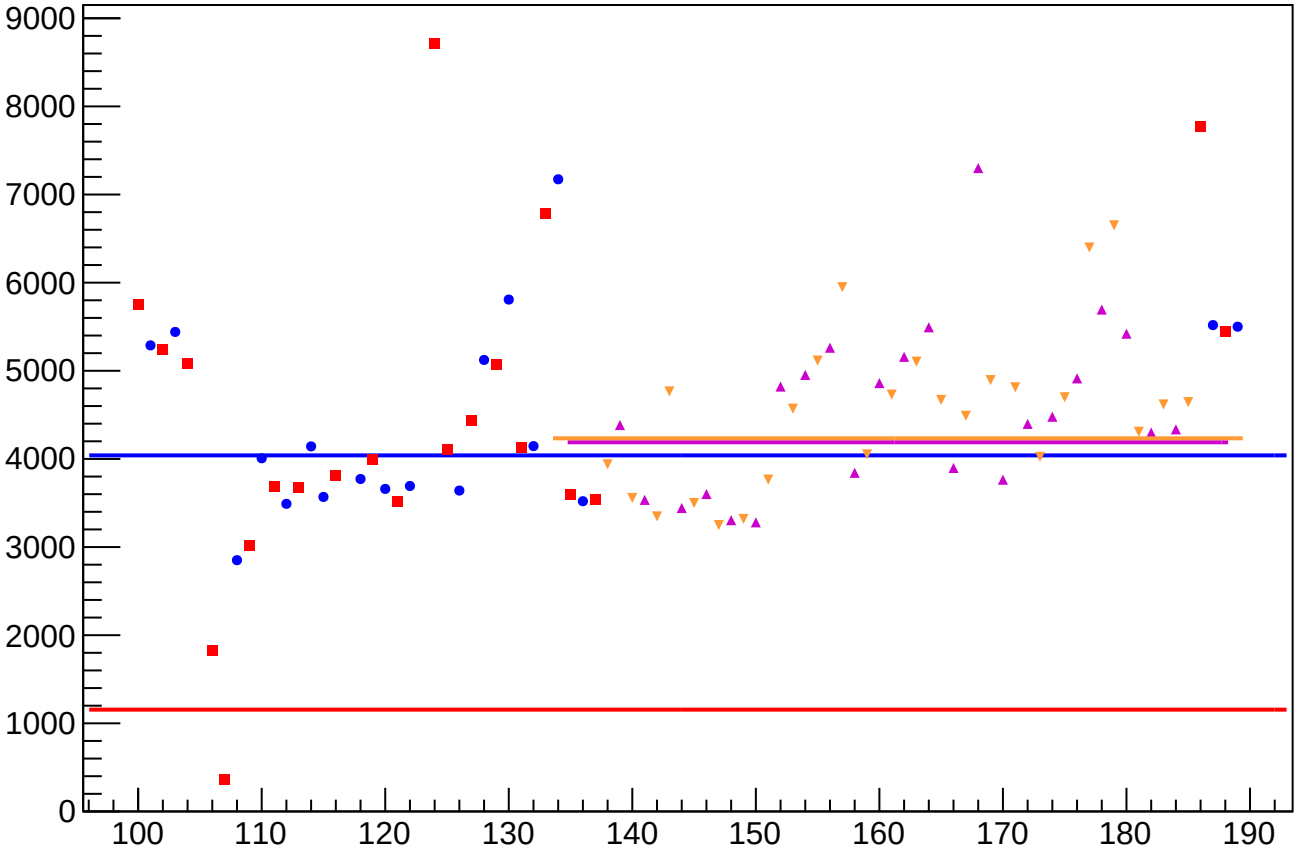
Left In: -65.169+/-1000.106 χ^2/NDF:14.0/22

+ sign 171.557+/-818.886 χ^2/NDF: 41.7/42

All: -285.805+/-454.731 χ^2/NDF: 81.0/86

- sign -489.717+/-546.783 χ^2/NDF: 38.9/43

asym_atl1r2_dd_dit_correction_rms vs Slug



Right In: 4040.249+/-1.042 χ^2/NDF: 773423.0/17

Left Out: 4233.905+/-0.696 χ^2/NDF:1284783.2/24

Right Out: 1155.200+/-0.462 χ^2/NDF: 11363448.8/20

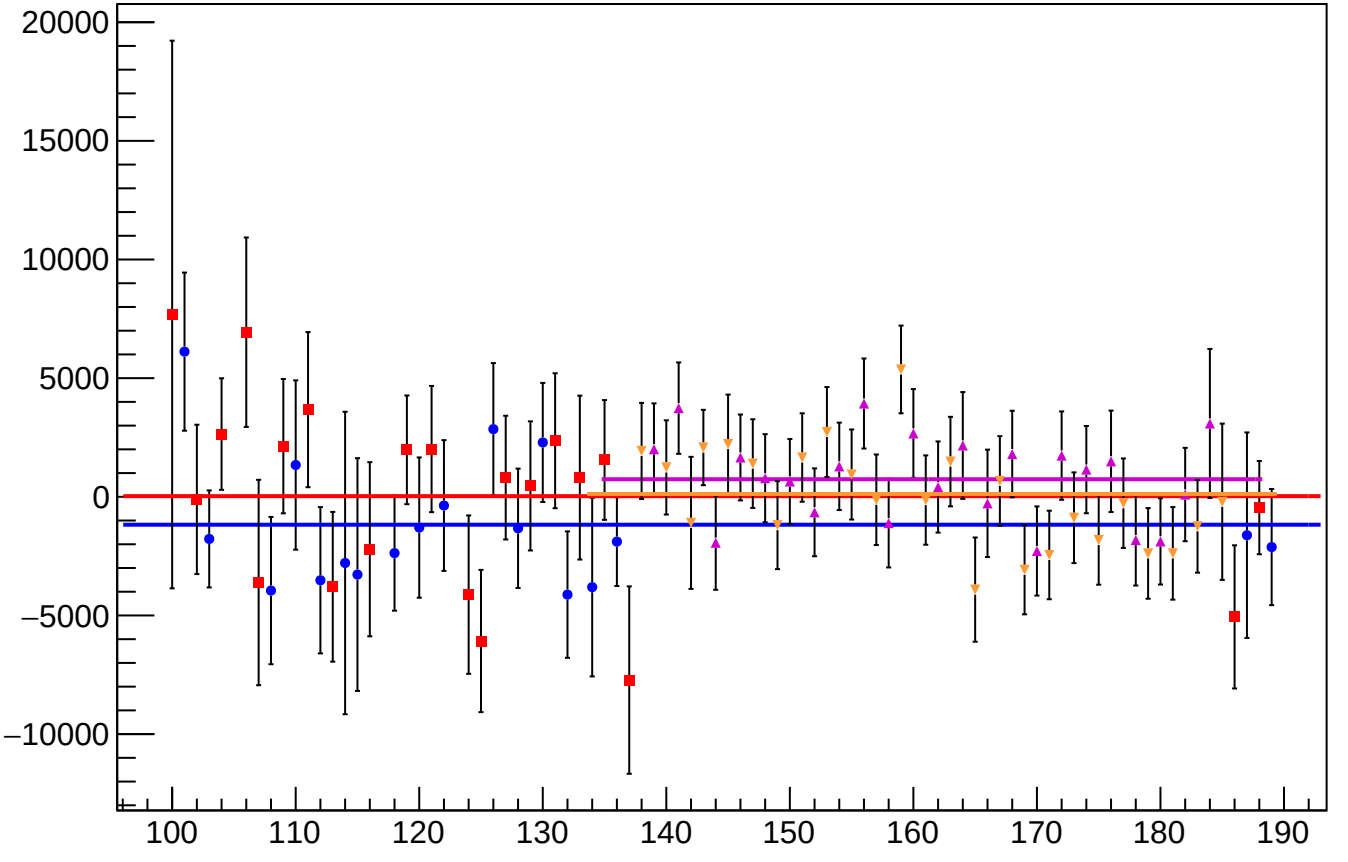
Left In: 4188.874+/-0.707 χ^2/NDF:1344602.0/22

+ sign 4174.099+/-0.579 χ^2/NDF: 2082081.4/42

All: 2713.286+/-0.322 χ^2/NDF: 36894179.5/8

- sign 2061.990+/-0.387 χ^2/NDF: 25609845.8/43

eigen_dit_asym_atl1r2_dd_mean vs Slug



Right In: -1176.164+/-664.677 χ^2/NDF: 13.4/17

Left Out: 119.962+/-389.458 χ^2/NDF:29.7/24

Right Out: 26.380+/-643.927 χ^2/NDF: 24.0/20

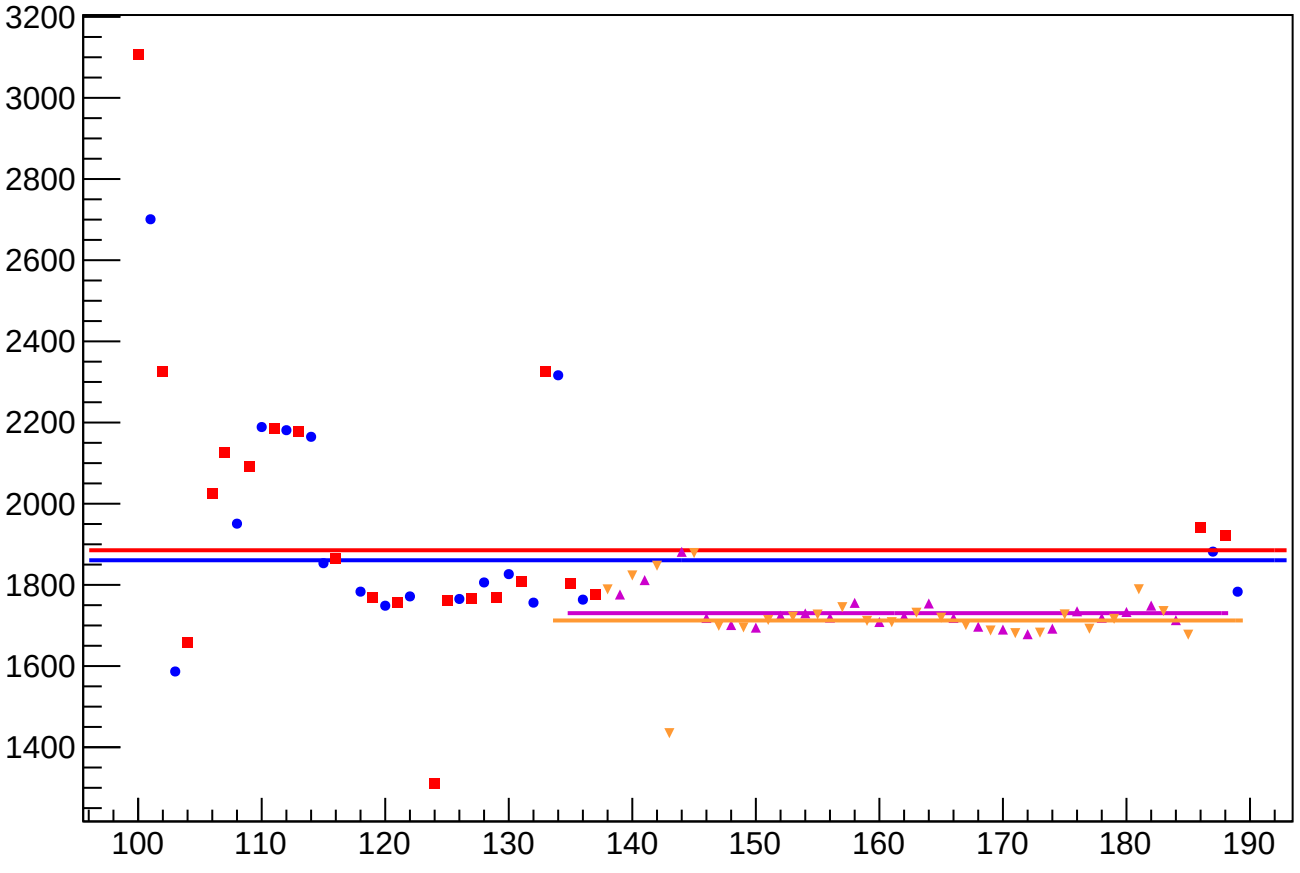
Left In: 741.189+/-404.161 χ^2/NDF:19.0/22

+ sign -211.297+/-336.024 χ^2/NDF: 45.9/42

All: 156.976+/-239.800 χ^2/NDF: 92.2/86

- sign 539.176+/-342.319 χ^2/NDF: 43.8/43

eigen_dit_asym_atl1r2_dd_rms vs Slug



Right In: 1860.682+/-0.470 χ^2/NDF: 258450.3/17

Left Out: 1712.310+/-0.275 χ^2/NDF:94398.1/24

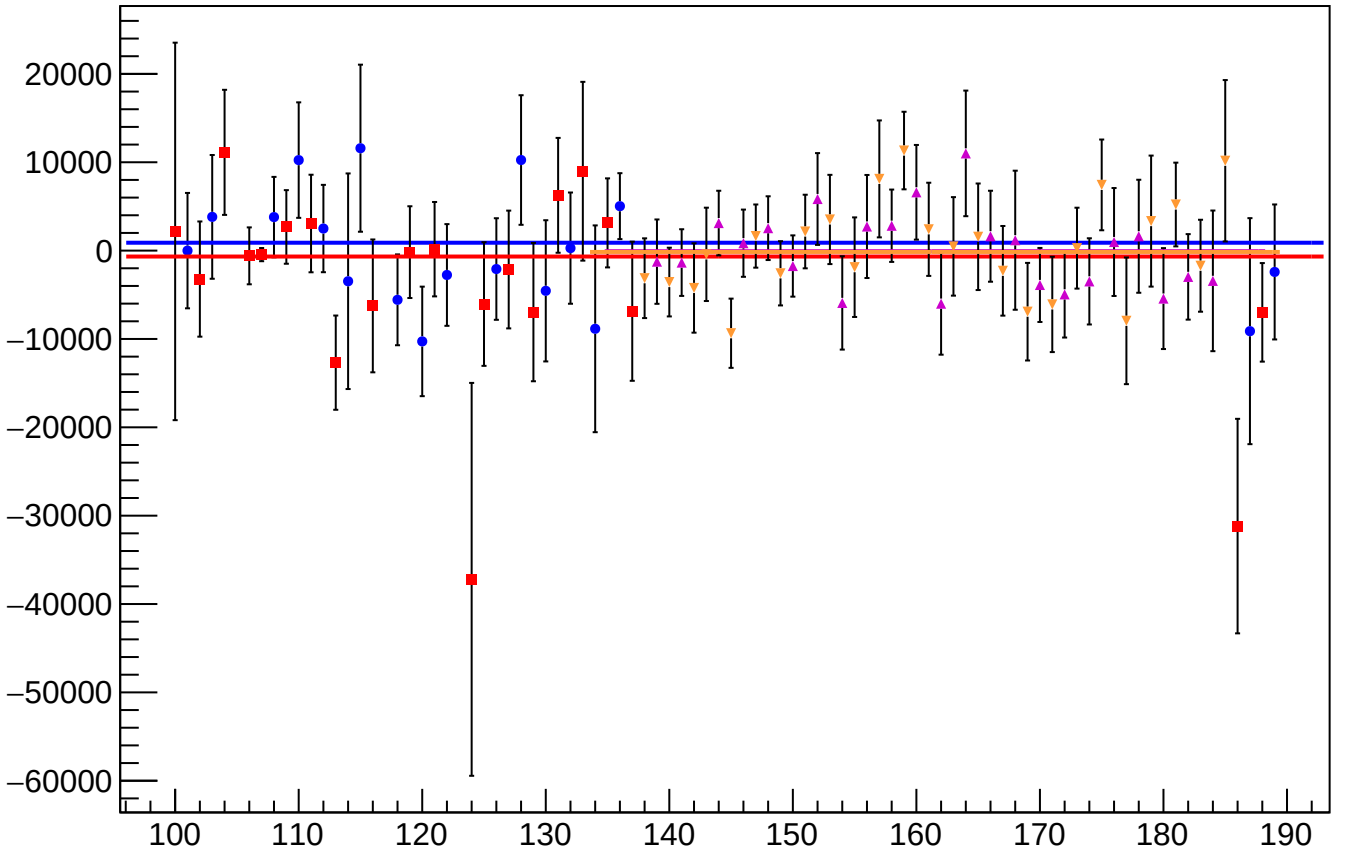
Right Out: 1885.316+/-0.455 χ^2/NDF: 253472.5/20

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

+ sign 1750.230+/-0.238 χ^2/NDF: 427035.6/42

All: 1761.987+/-0.170 χ^2/NDF: 791761.2/86

- sign 1774.184+/-0.242 χ^2/NDF: 359737.4/43



Right In: 891.589+/-1473.558 χ^2/NDF: 14.5/17

Left Out: -150.169+/-984.986 χ^2/NDF:26.9/24

Right Out: -670.735+/-653.032 χ^2/NDF: 24.6/20

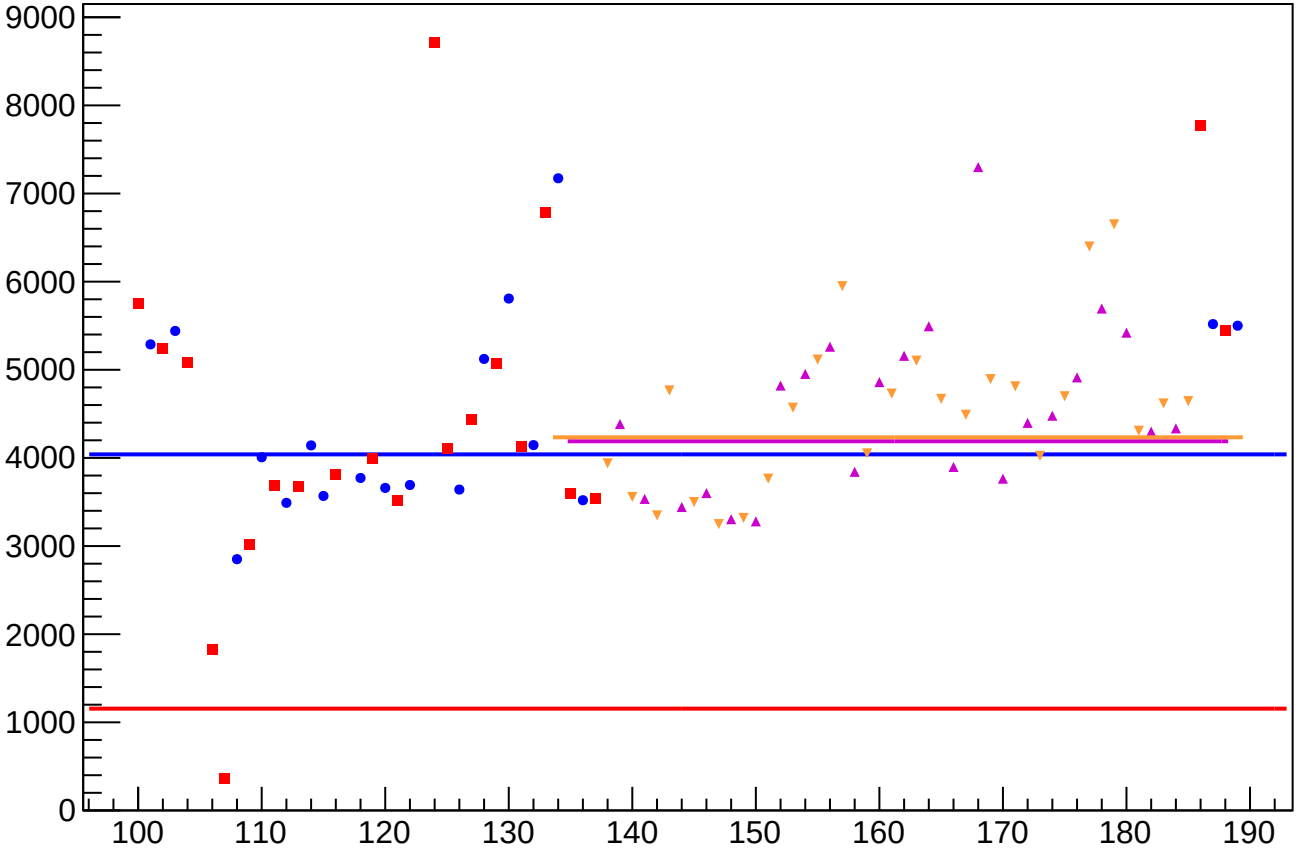
Left In: -65.171+/-1000.108 χ^2/NDF:14.0/22

+ sign 171.553+/-818.887 χ^2/NDF: 41.7/42

All: -285.807+/-454.735 χ^2/NDF: 81.0/86

- sign -489.723+/-546.790 χ^2/NDF: 38.9/43

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug



Right In: 4040.243+/-1.042 χ^2/NDF: 773421.7/17

Left Out: 4233.911+/-0.696 χ^2/NDF:1284785.6/24

Right Out: 1155.233+/-0.462 χ^2/NDF: 11363296.7/20

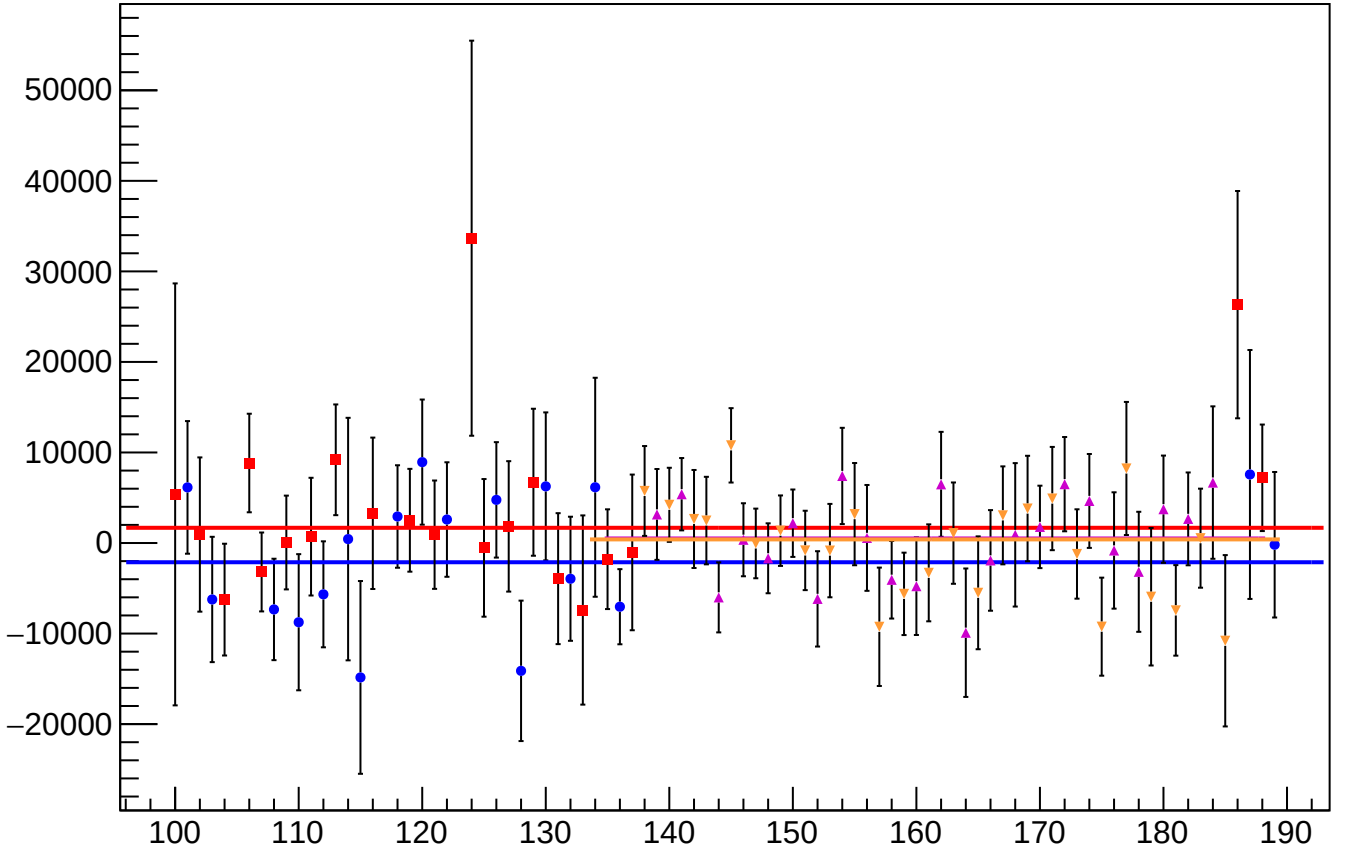
Left In: 4188.880+/-0.707 χ^2/NDF:1344607.0/22

+ sign 4174.101+/-0.579 χ^2/NDF: 2082085.3/42

All: 2713.326+/-0.322 χ^2/NDF: 36893222.8/8

- sign 2062.034+/-0.387 χ^2/NDF: 25609319.4/43

asym_atl1r2_dd_mean vs Slug



Right In: -2124.260+/-1637.199 χ^2/NDF: 16.1/17

Left Out: 398.336+/-1028.431 χ^2/NDF:24.7/24

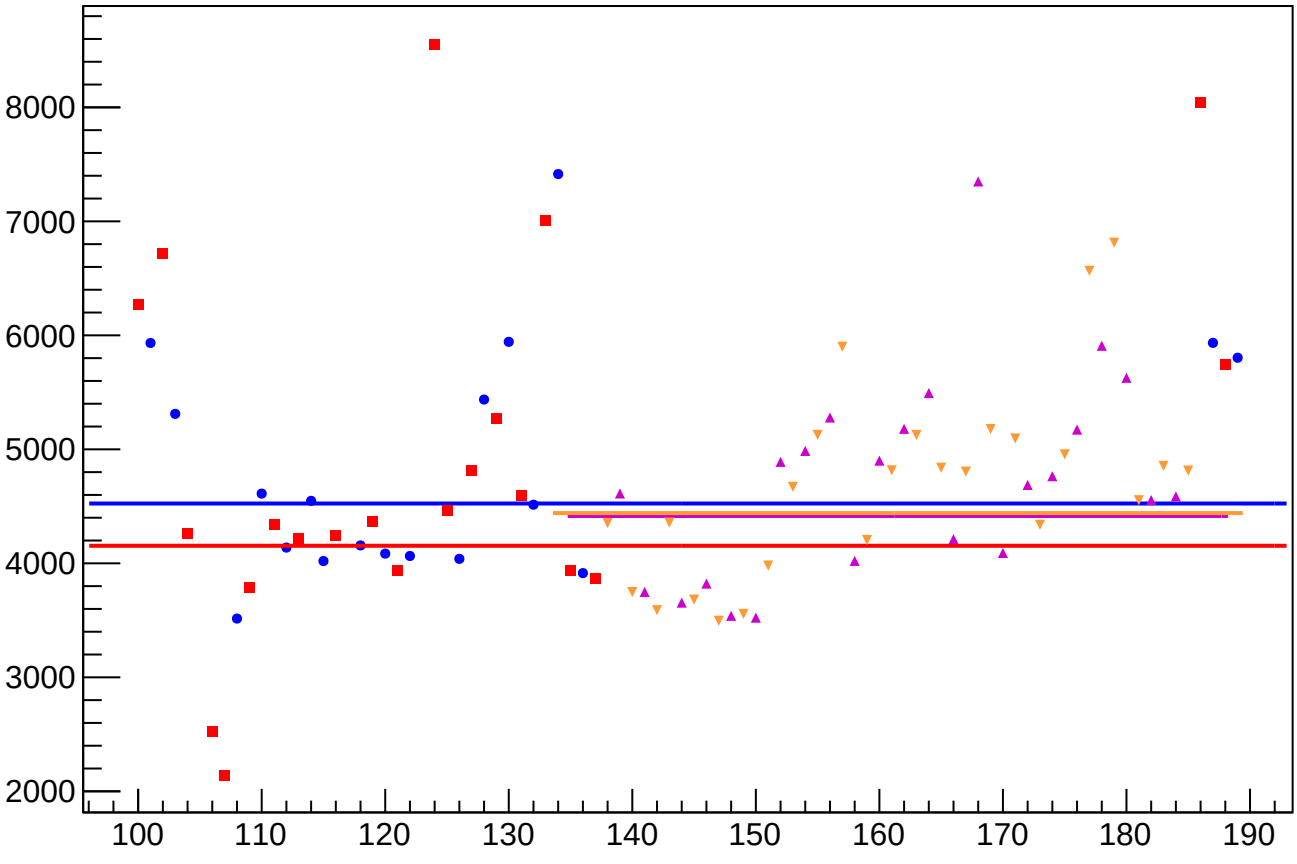
Right Out: 1680.966+/-1485.509 χ^2/NDF: 15.6/20

Left In: 502.999+/-1049.682 χ^2/NDF:17.3/22

\+ sign -315.418+/-870.867 χ^2/NDF: 42.6/42

All: 299.468+/-610.929 χ^2/NDF: 76.9/86

\- sign 895.290+/-857.261 χ^2/NDF: 33.3/43



Right In: 4524.799+/-1.158 χ^2/NDF: 534130.8/17

Left Out: 4440.810+/-0.727 χ^2/NDF:1073119.1/24

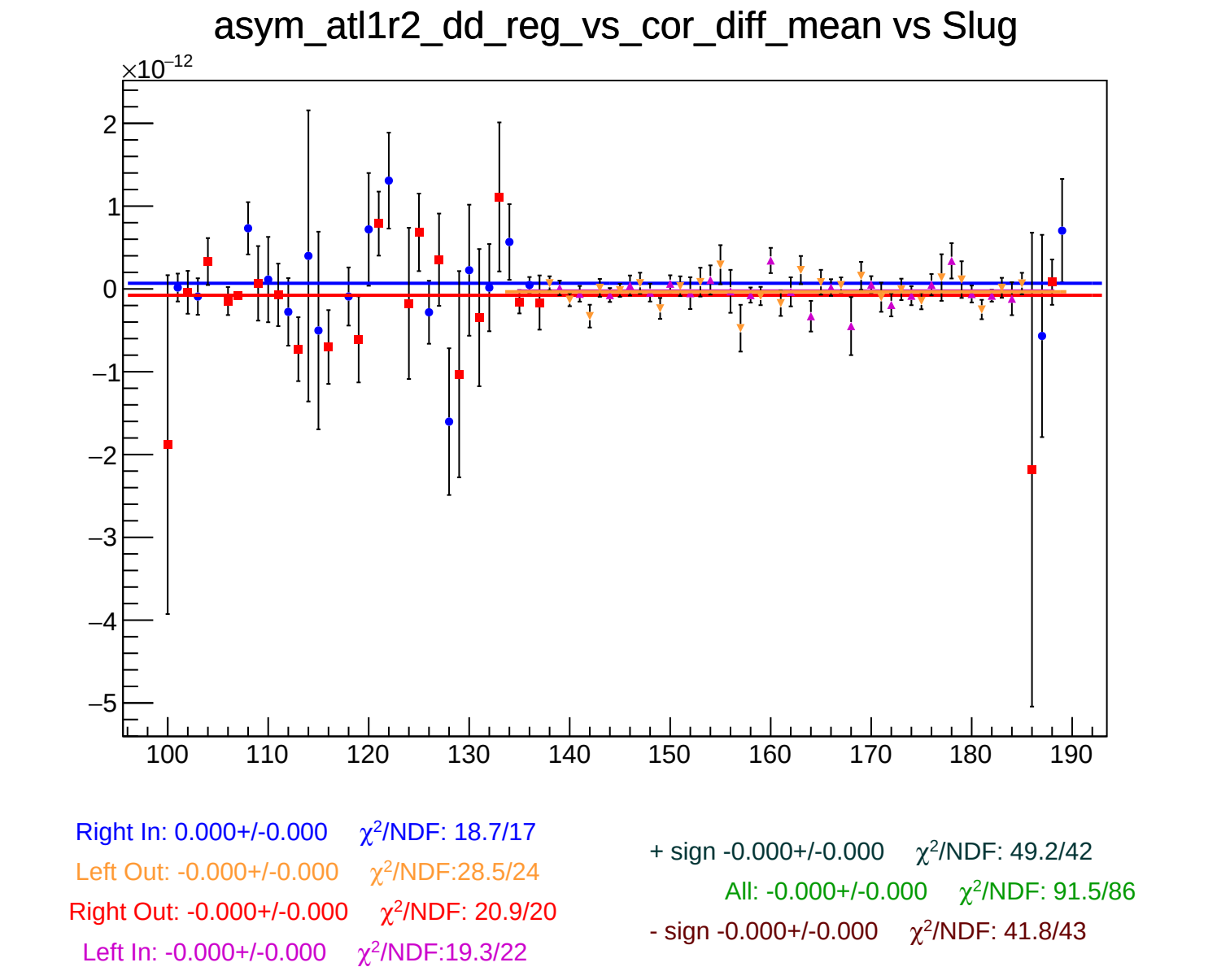
Right Out: 4154.034+/-1.041 χ^2/NDF: 1505537.9/20

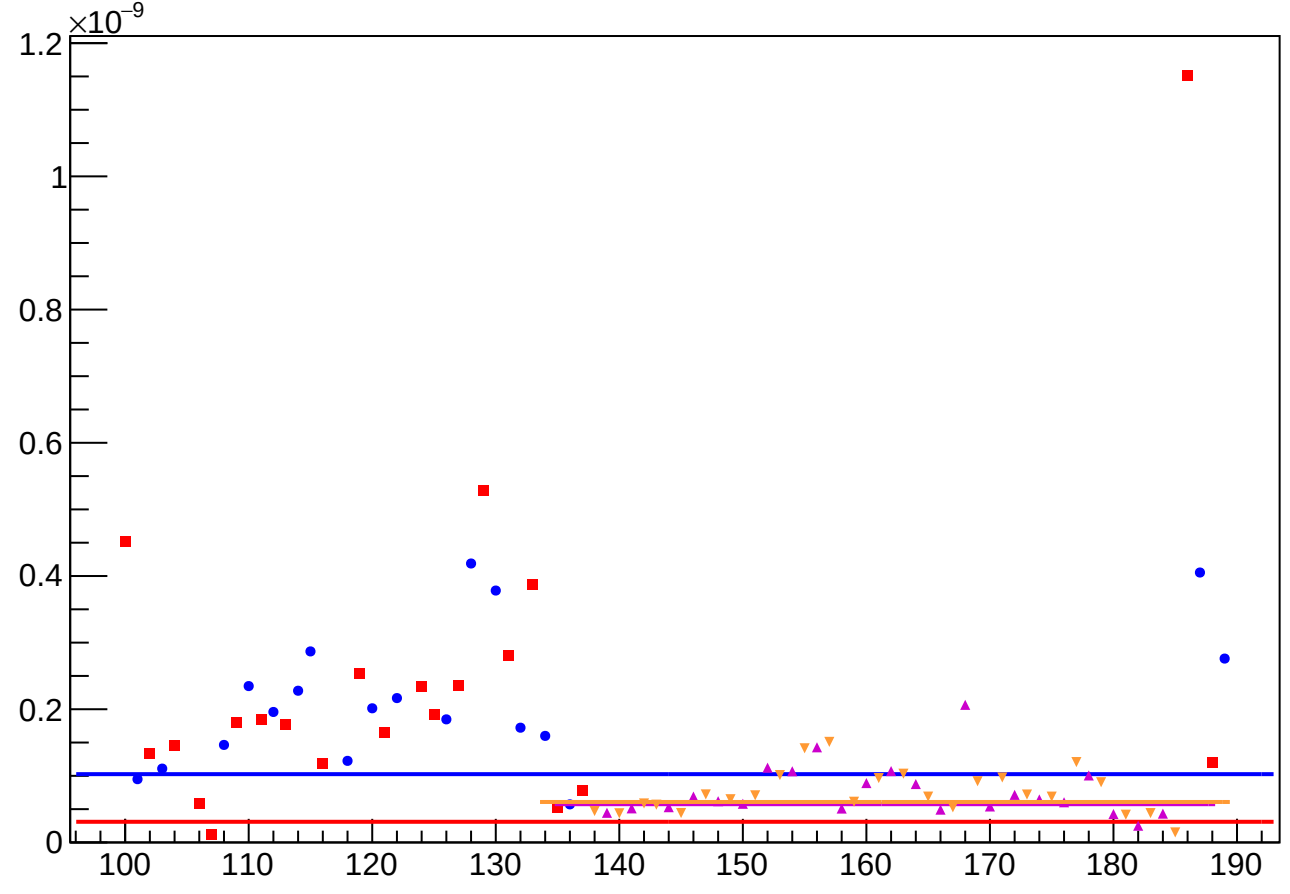
Left In: 4415.366+/-0.742 χ^2/NDF:1111411.1/22

+ sign 4464.574+/-0.616 χ^2/NDF: 1611024.1/42

All: 4394.627+/-0.431 χ^2/NDF: 4295092.0/86

- sign 4327.265+/-0.604 χ^2/NDF: 2658740.4/43


asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
2
1
0
−1
−2
−3
−4
−5
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 18.7/17
Left Out: -0.000+/-0.000 χ²/NDF:28.5/24
Right Out: -0.000+/-0.000 χ²/NDF: 20.9/20
Left In: -0.000+/-0.000 χ²/NDF:19.3/22
+ sign -0.000+/-0.000 χ²/NDF: 49.2/42
All: -0.000+/-0.000 χ²/NDF: 91.5/86
- sign -0.000+/-0.000 χ²/NDF: 41.8/43



Right In: 0.000+/-0.000 χ^2/NDF: 1844089.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:1723737.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4886226.6/20

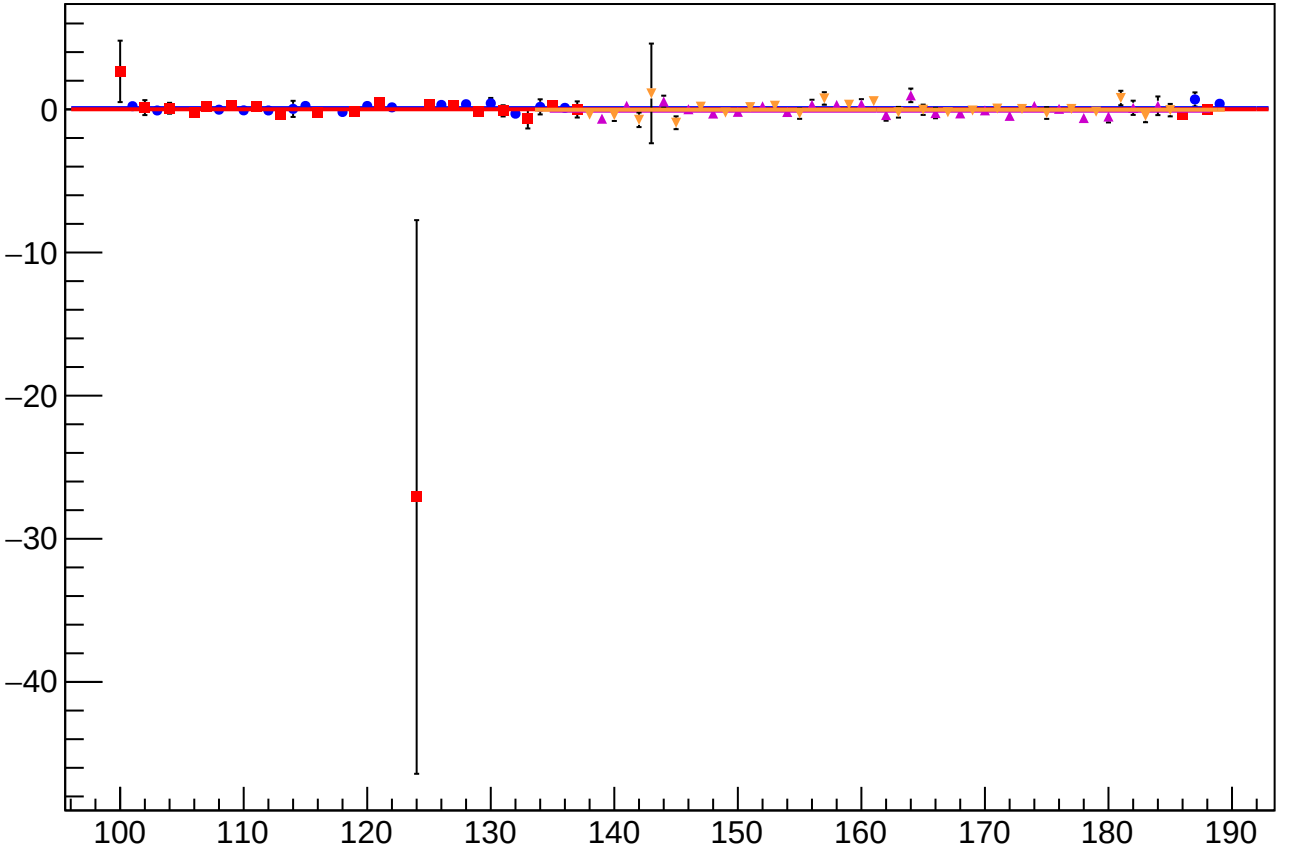
Left In: 0.000+/-0.000 χ^2/NDF:1878360.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 4241854.0/42

All: 0.000+/-0.000 χ^2/NDF: 12503284.5/86

- sign 0.000+/-0.000 χ^2/NDF: 7589598.4/43

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.088+/-0.063 χ^2/NDF: 11.5/17

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.006+/-0.054 χ^2/NDF: 24.1/20

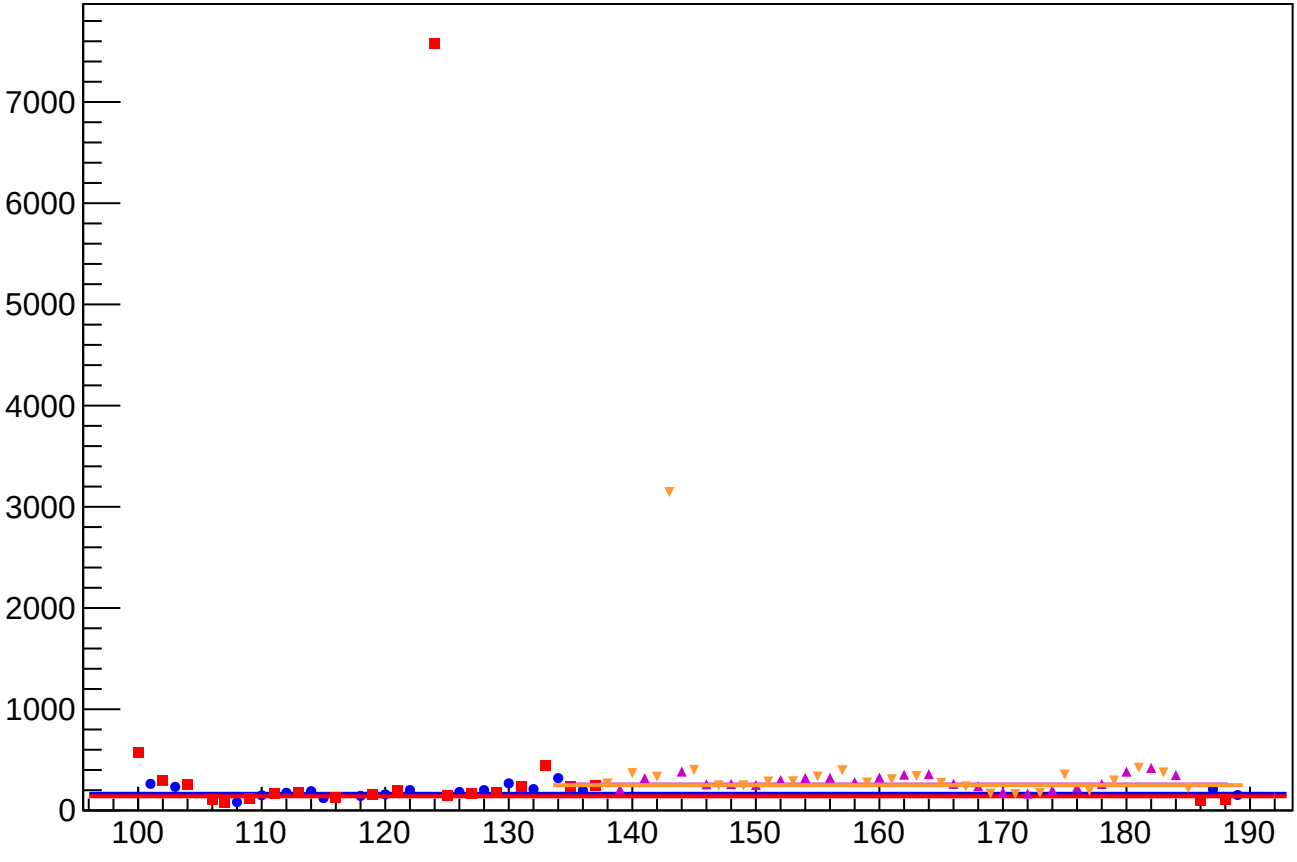
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.031+/-0.044 χ^2/NDF: 36.6/42

All: -0.006+/-0.030 χ^2/NDF: 94.9/86

- sign -0.037+/-0.041 χ^2/NDF: 57.1/43

asym_atl1r2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 164.554+/-0.045 χ^2/NDF: 1498308.9/17

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

Right Out: 139.866+/-0.038 χ^2/NDF: 2264692.4/20

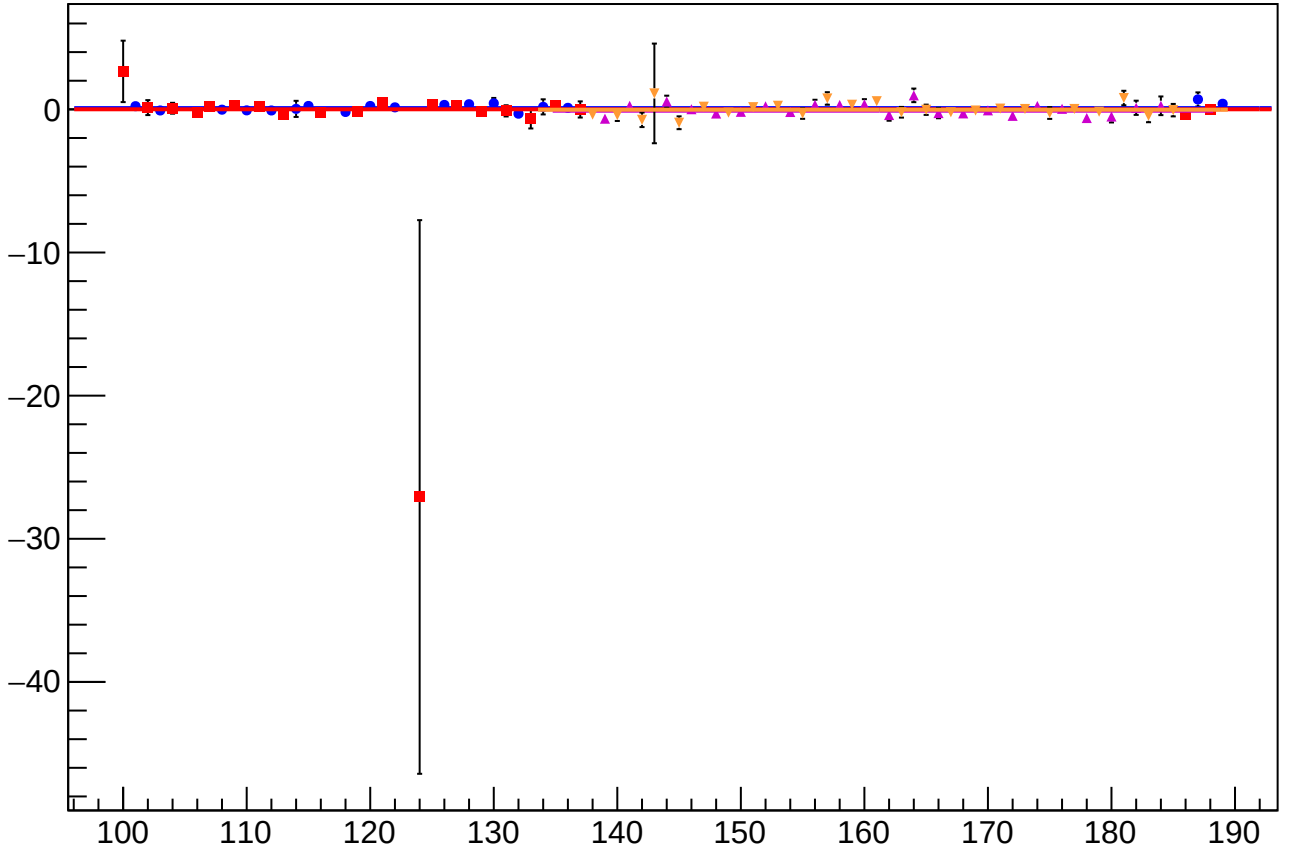
Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 208.127+/-0.031 χ^2/NDF: 7607311.6/42

All: 197.535+/-0.021 χ^2/NDF: 16088919.7/86

- sign 188.419+/-0.029 χ^2/NDF: 8266372.9/43

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.088+/-0.063 χ^2/NDF: 11.5/17

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.006+/-0.054 χ^2/NDF: 24.1/20

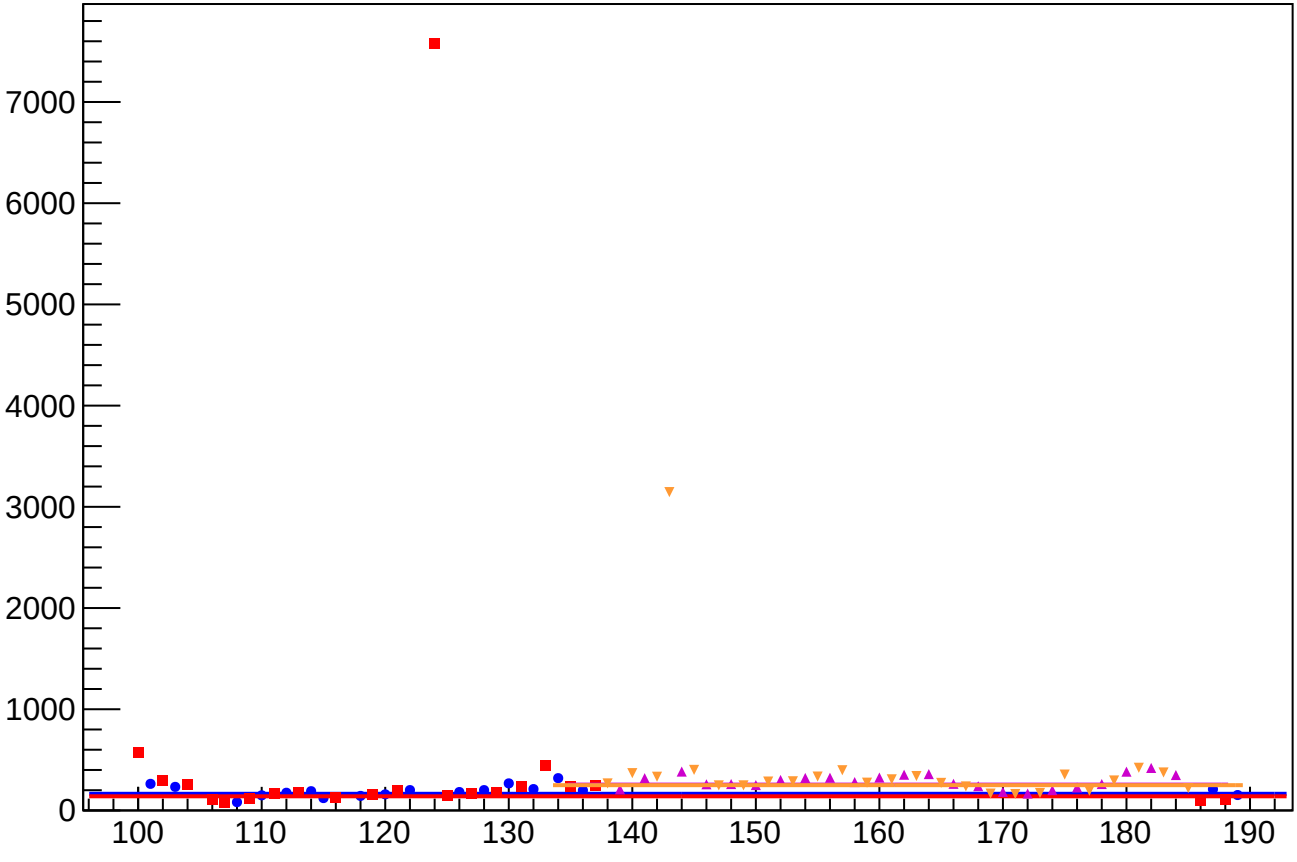
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.031+/-0.044 χ^2/NDF: 36.6/42

All: -0.006+/-0.030 χ^2/NDF: 94.9/86

- sign -0.037+/-0.041 χ^2/NDF: 57.1/43

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 164.554+/-0.045 χ^2/NDF: 1498308.9/17

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

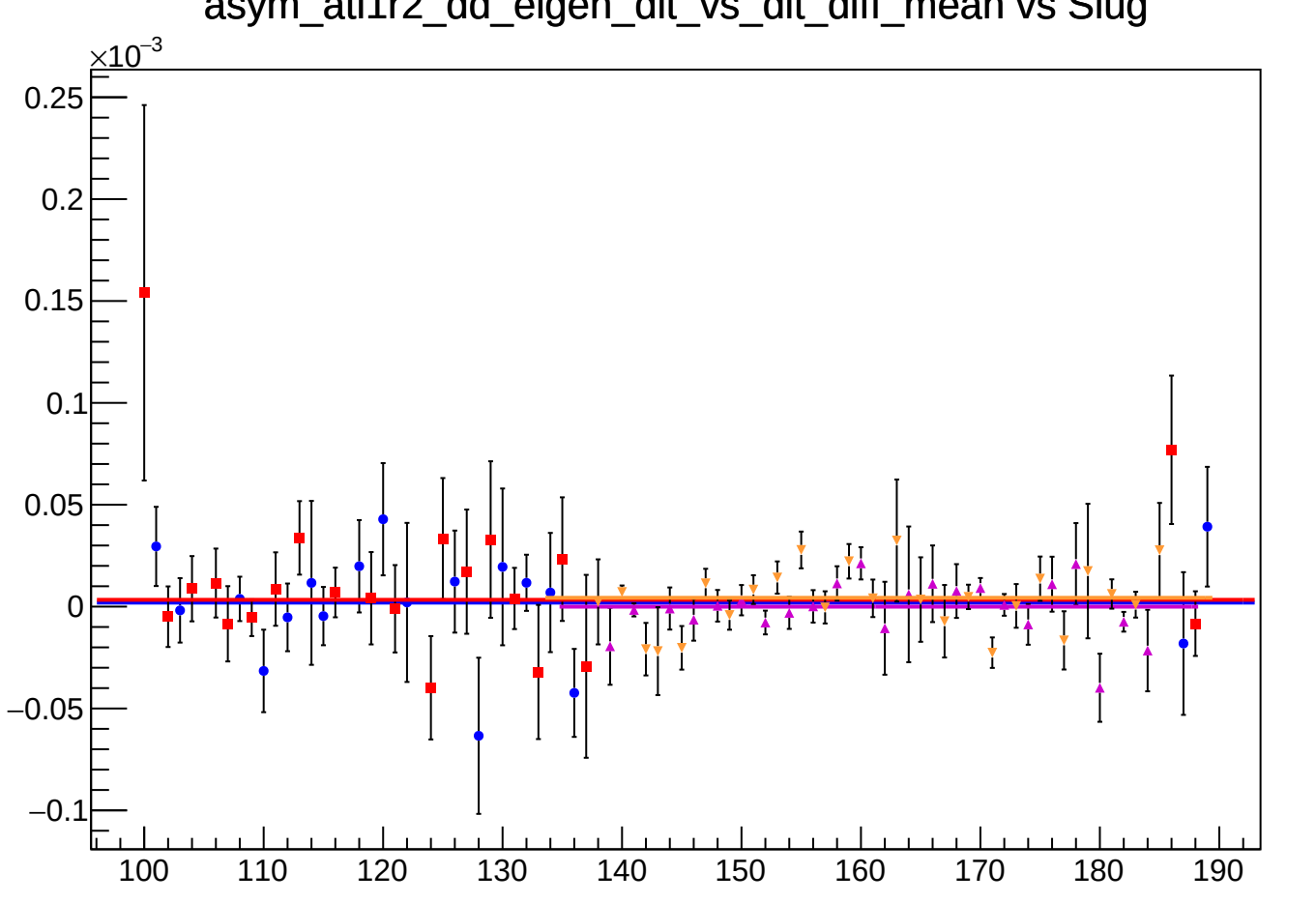
Right Out: 139.866+/-0.038 χ^2/NDF: 2264692.4/20

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 208.127+/-0.031 χ^2/NDF: 7607311.6/42

All: 197.535+/-0.021 χ^2/NDF: 16088919.7/86

- sign 188.419+/-0.029 χ^2/NDF: 8266372.9/43



Right In: 0.000+/-0.000 χ^2/NDF: 18.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:46.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/20

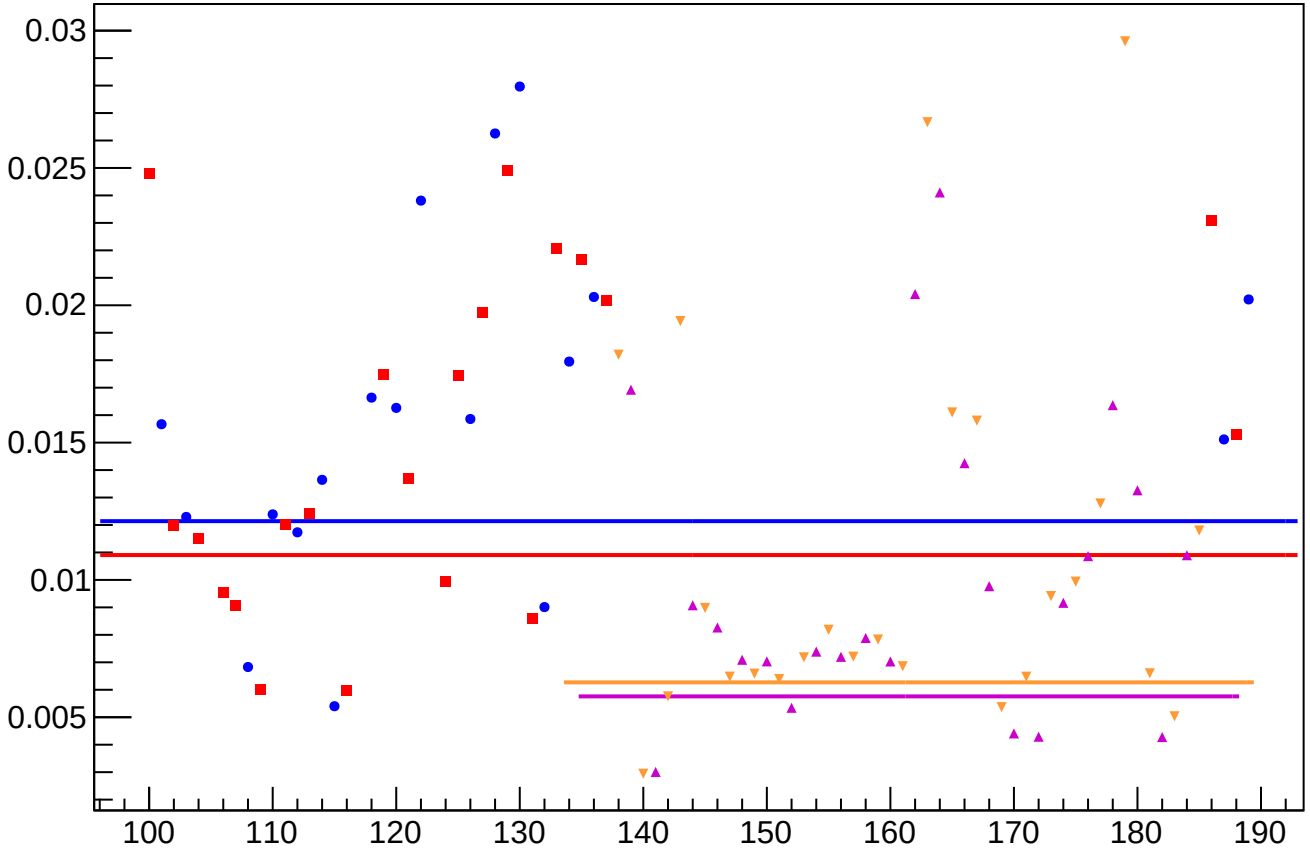
Left In: -0.000+/-0.000 χ^2/NDF:29.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.4/42

All: 0.000+/-0.000 χ^2/NDF: 116.1/86

- sign 0.000+/-0.000 χ^2/NDF: 48.8/43

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 2579270.8/17

Left Out: 0.006+/-0.000 χ^2/NDF:7909965.6/24

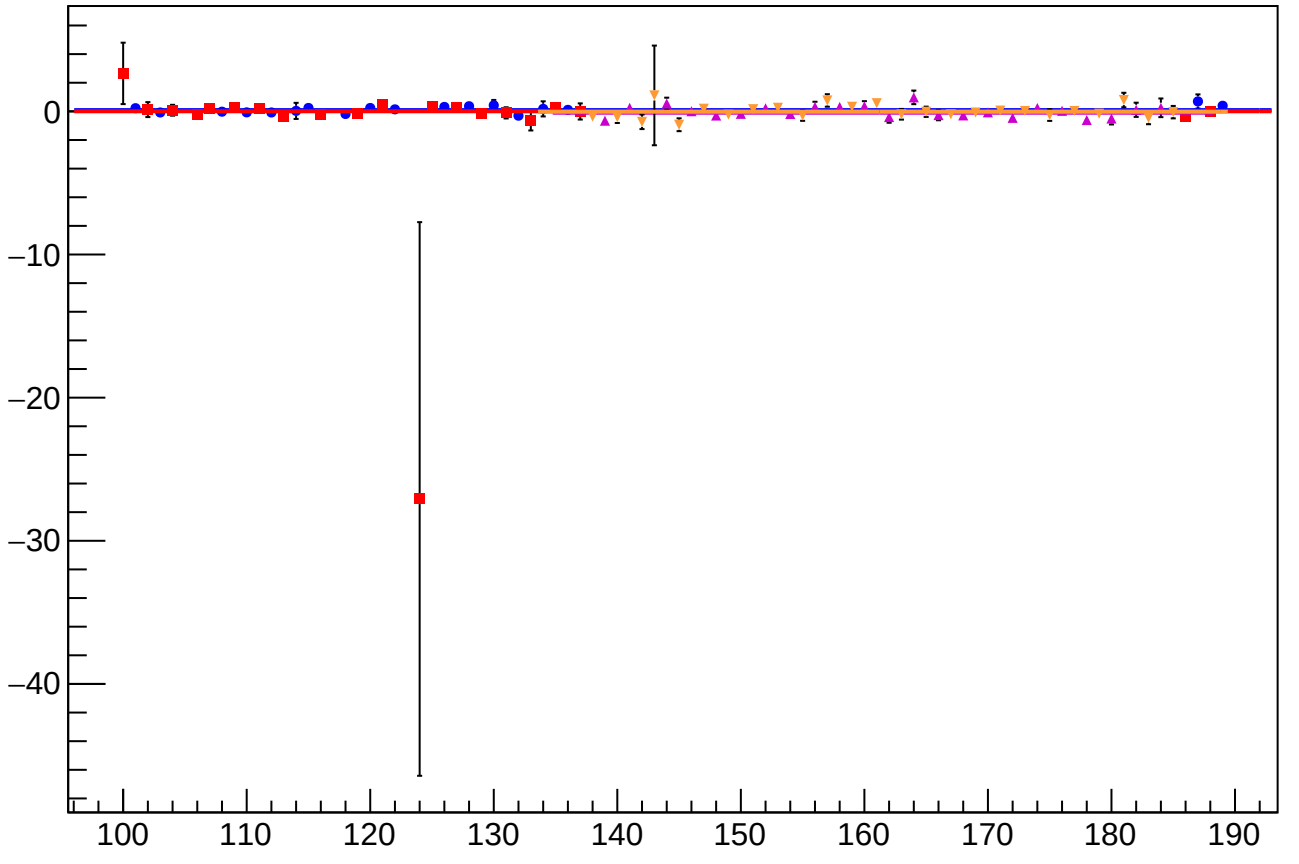
Right Out: 0.011+/-0.000 χ^2/NDF: 2757896.9/20

Left In: 0.006+/-0.000 χ^2/NDF:7081814.9/22

+ sign 0.007+/-0.000 χ^2/NDF: 13200223.8/42

All: 0.007+/-0.000 χ^2/NDF: 25913969.4/86

- sign 0.006+/-0.000 χ^2/NDF: 12619704.4/43



Right In: 0.088+/-0.063 χ^2/NDF: 11.5/17

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.006+/-0.054 χ^2/NDF: 24.1/20

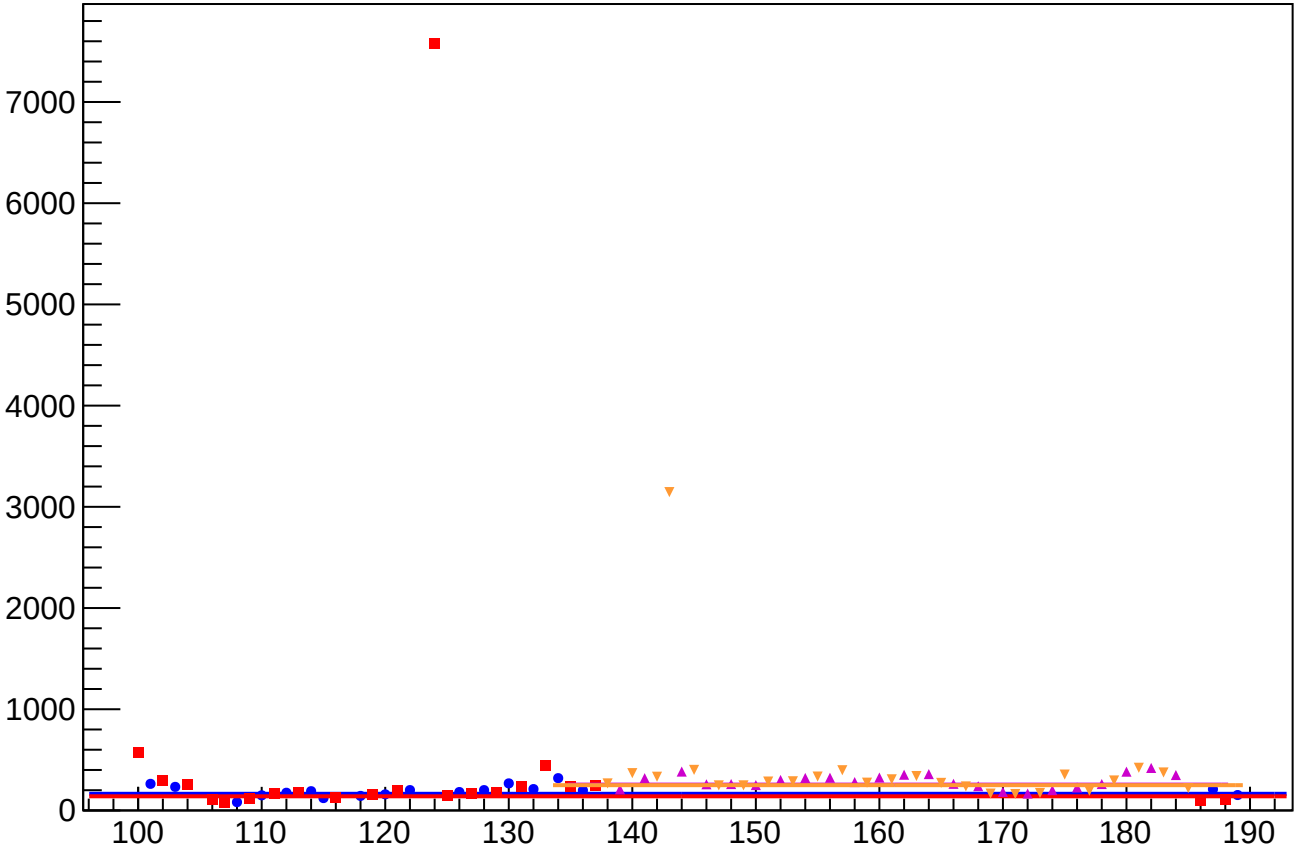
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.031+/-0.044 χ^2/NDF: 36.6/42

All: -0.006+/-0.030 χ^2/NDF: 94.9/86

- sign -0.037+/-0.041 χ^2/NDF: 57.1/43

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 164.552+/-0.045 χ^2/NDF: 1498299.7/17

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

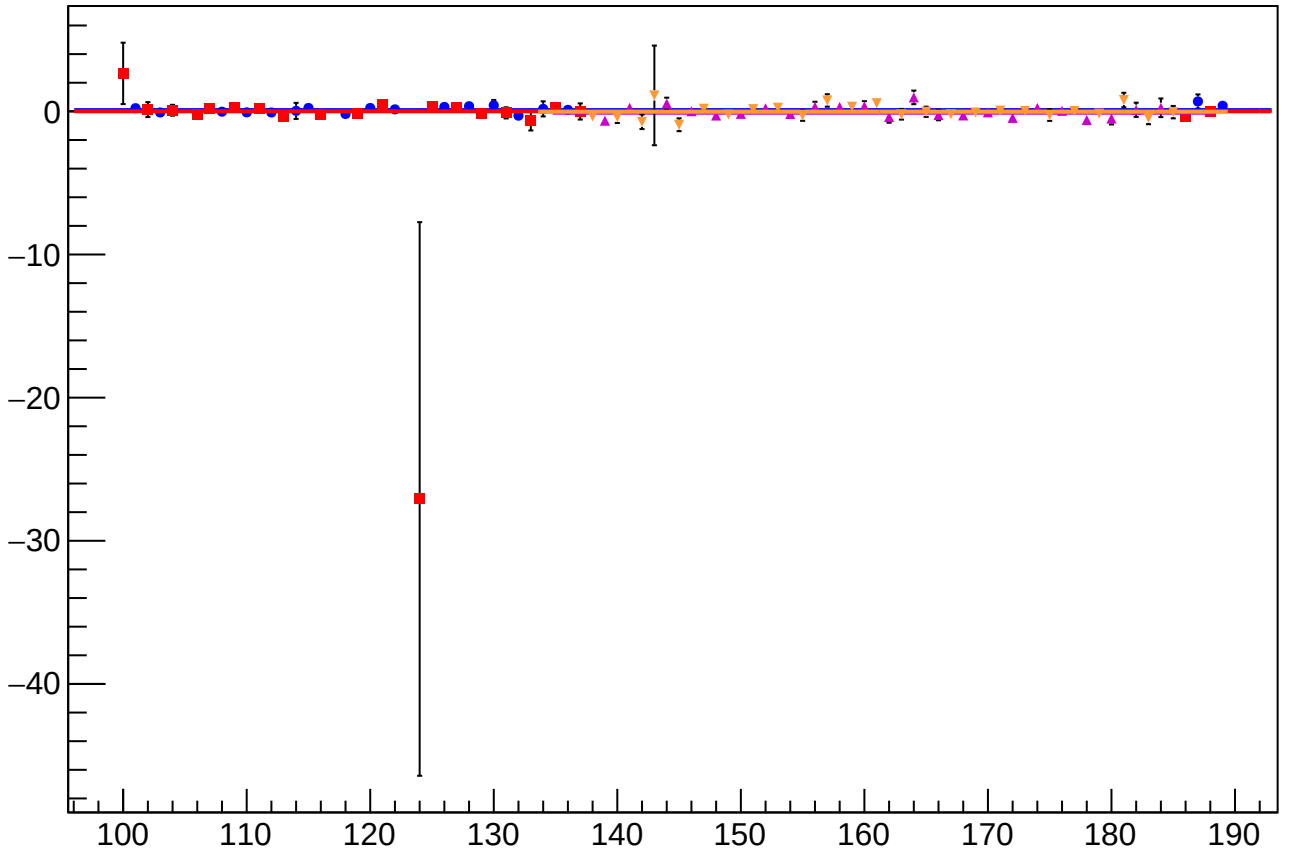
Right Out: 139.868+/-0.038 χ^2/NDF: 2264615.7/20

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 208.126+/-0.031 χ^2/NDF: 7607563.2/42

All: 197.536+/-0.021 χ^2/NDF: 16088962.7/86

- sign 188.421+/-0.029 χ^2/NDF: 8266243.0/43



Right In: 0.088+/-0.063 χ^2/NDF: 11.5/17

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

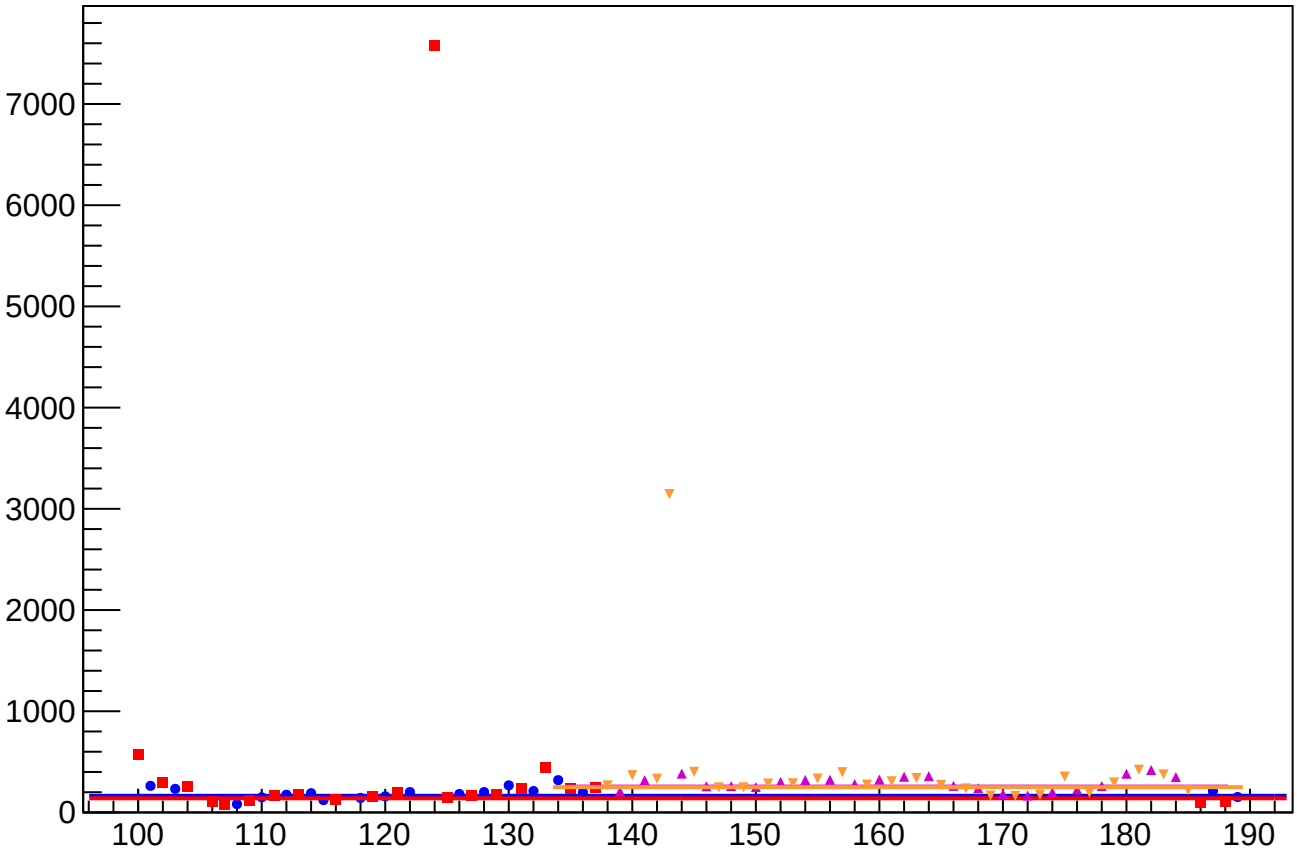
Right Out: 0.006+/-0.054 χ^2/NDF: 24.1/20

Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.031+/-0.044 χ^2/NDF: 36.6/42

All: -0.006+/-0.030 χ^2/NDF: 94.9/86

- sign -0.037+/-0.041 χ^2/NDF: 57.1/43



Right In: 164.552+/-0.045 χ^2/NDF: 1498299.7/17

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

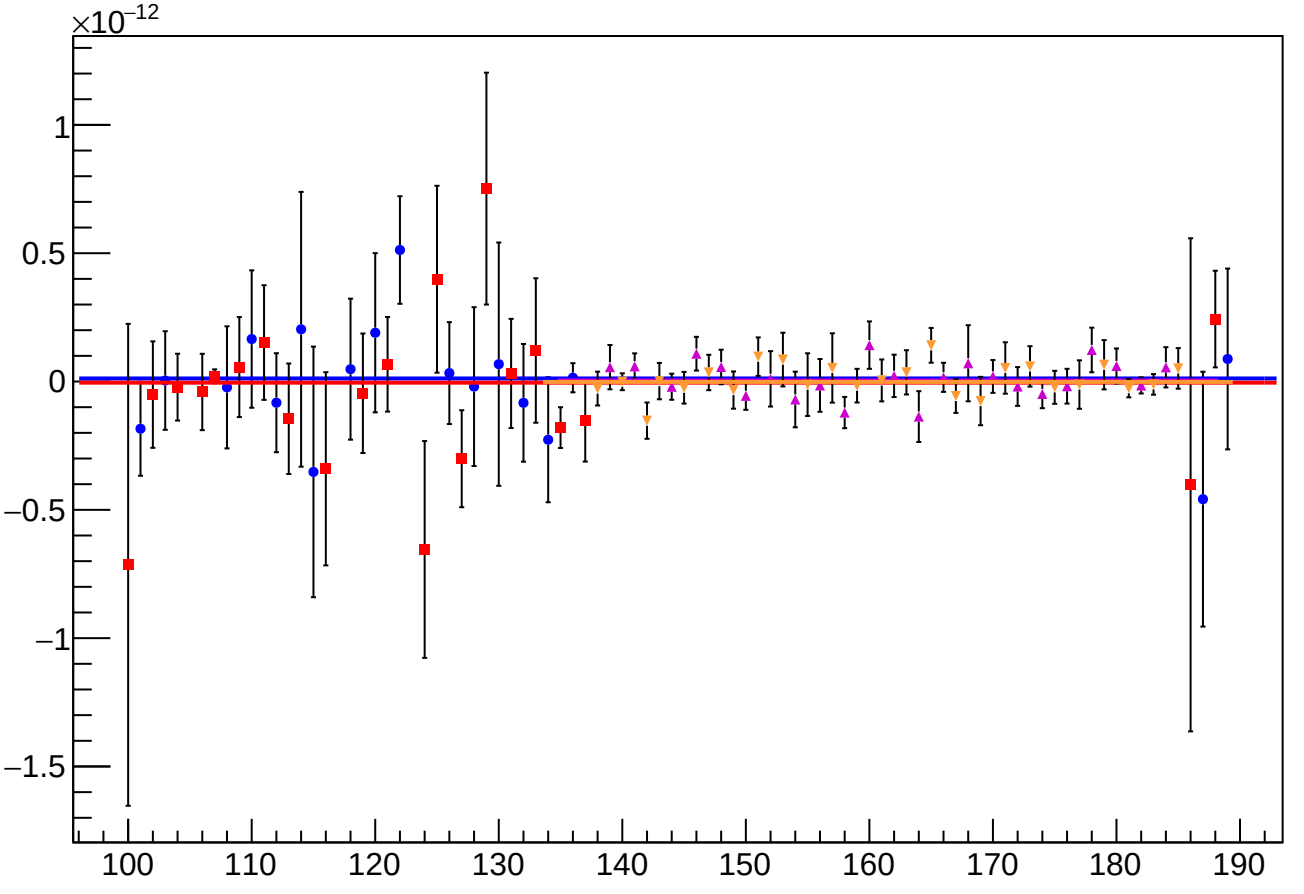
Right Out: 139.868+/-0.038 χ^2/NDF: 2264615.7/20

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 208.126+/-0.031 χ^2/NDF: 7607563.2/42

All: 197.536+/-0.021 χ^2/NDF: 16088962.7/86

- sign 188.421+/-0.029 χ^2/NDF: 8266243.0/43



Right In: 0.000+/-0.000 χ^2/NDF: 10.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

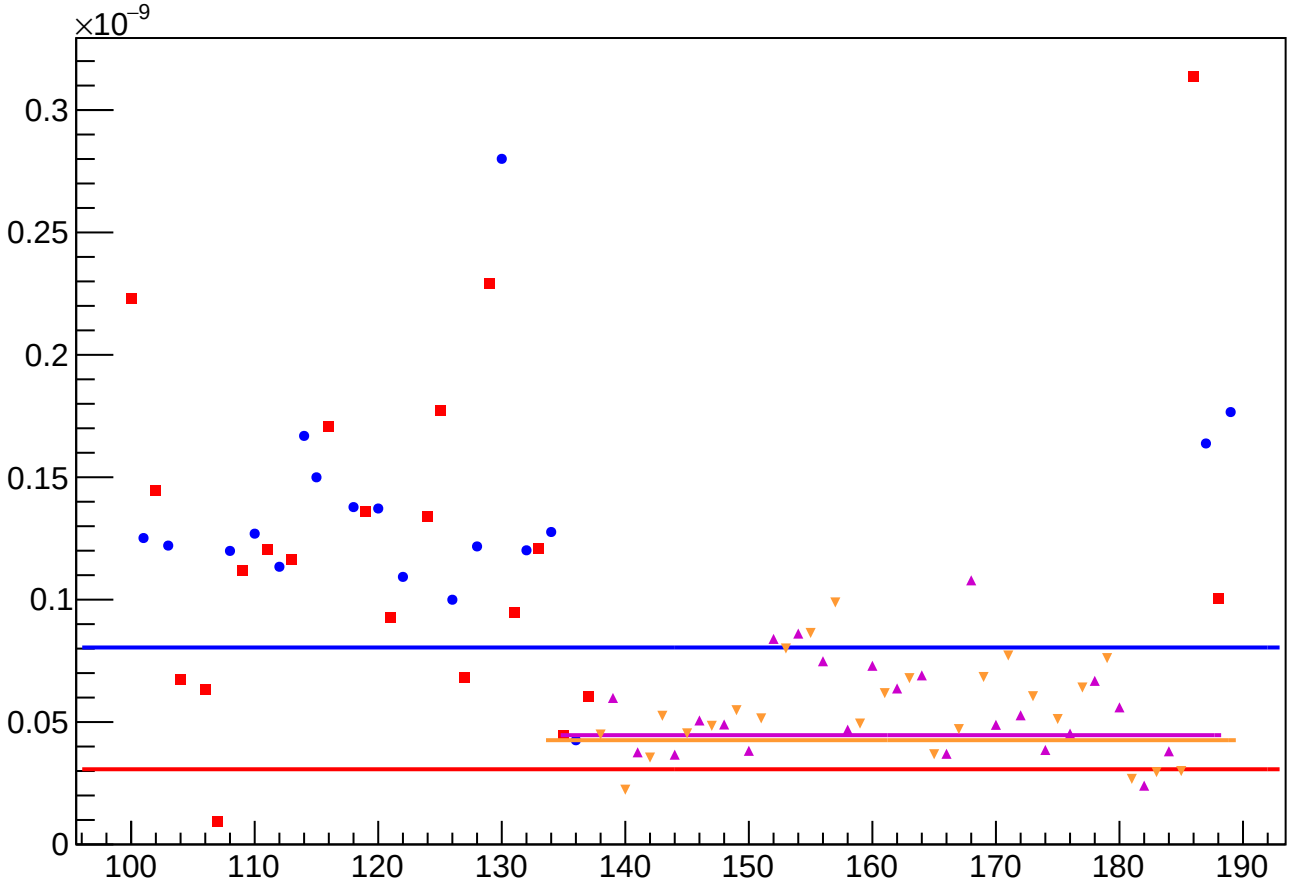
Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/20

Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 27.0/42

All: 0.000+/-0.000 χ^2/NDF: 67.3/86

- sign 0.000+/-0.000 χ^2/NDF: 40.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 2312915.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:3648691.3/24

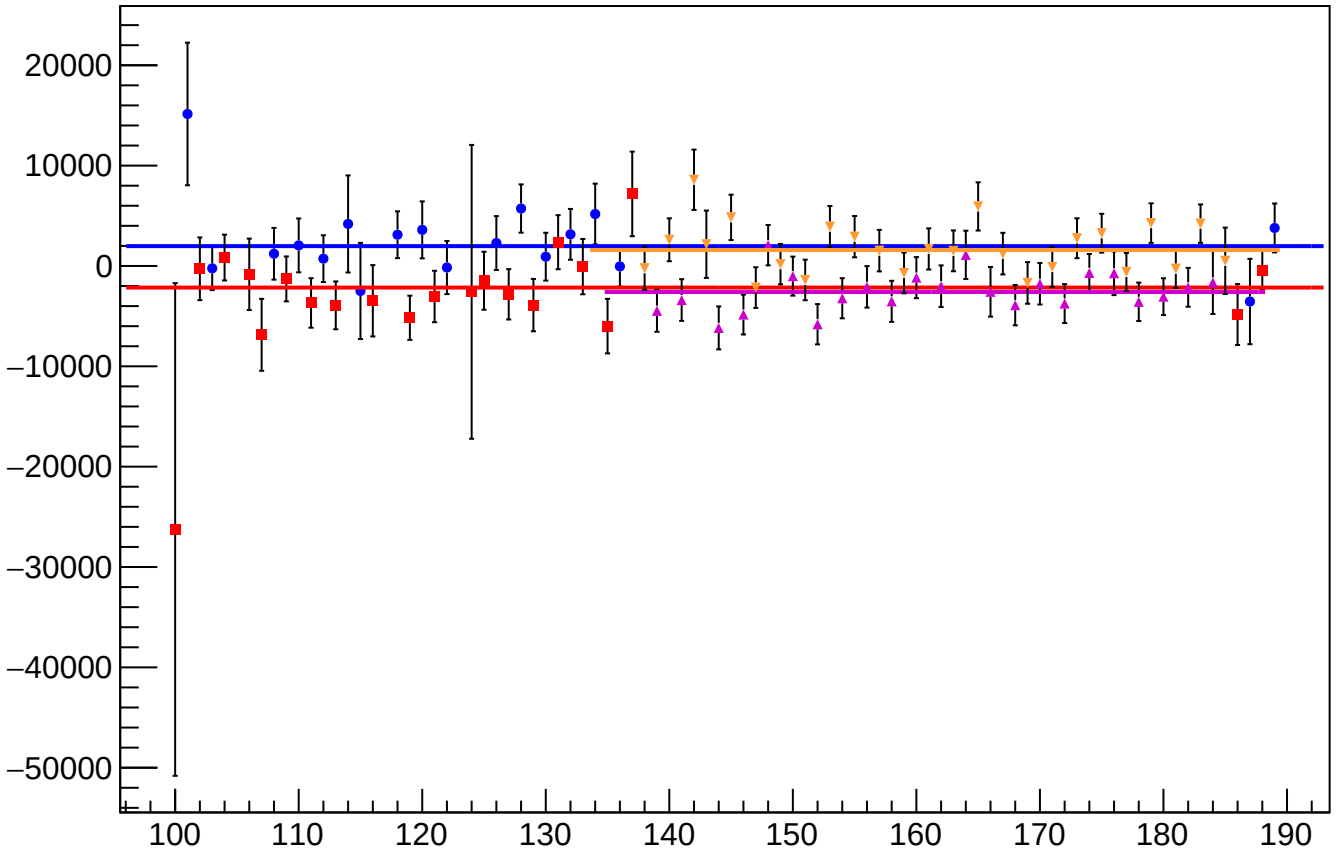
Right Out: 0.000+/-0.000 χ^2/NDF: 5941300.2/20

Left In: 0.000+/-0.000 χ^2/NDF:2871089.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 7450265.6/42

All: 0.000+/-0.000 χ^2/NDF: 16980181.7/86

- sign 0.000+/-0.000 χ^2/NDF: 9364929.8/43



Right In: 1976.094+/-636.730 χ^2/NDF: 14.4/17

Left Out: 1592.464+/-423.298 χ^2/NDF:31.3/24

Right Out: -2151.466+/-609.010 χ^2/NDF: 20.6/20

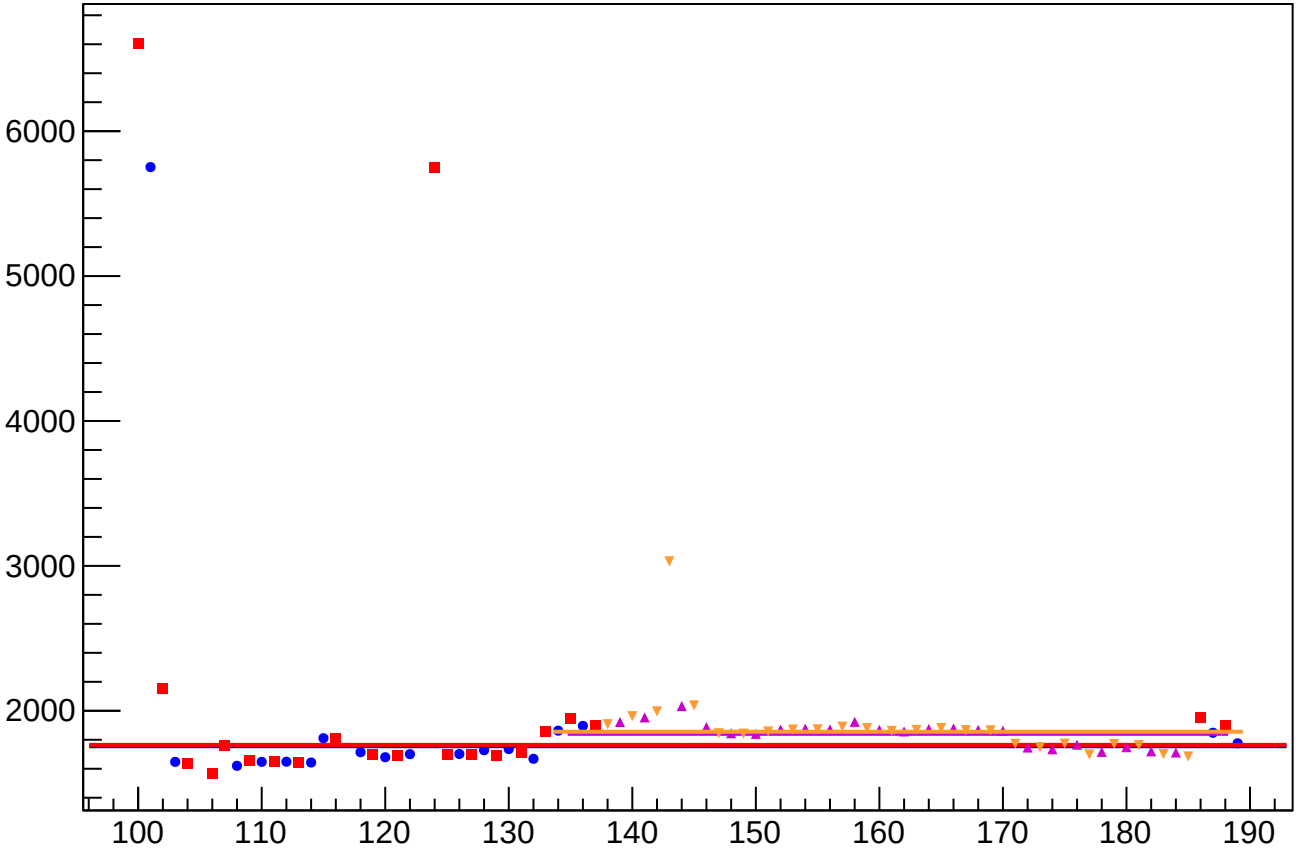
Left In: -2597.740+/-430.293 χ^2/NDF:20.1/22

+ sign 1710.046+/-352.509 χ^2/NDF: 45.9/42

All: -375.944+/-248.878 χ^2/NDF: 156.7/86

- sign -2449.139+/-351.426 χ^2/NDF: 41.0/43

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1755.429+/-0.450 χ^2/NDF: 671815.7/17

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1764.692+/-0.428 χ^2/NDF: 324366.4/20

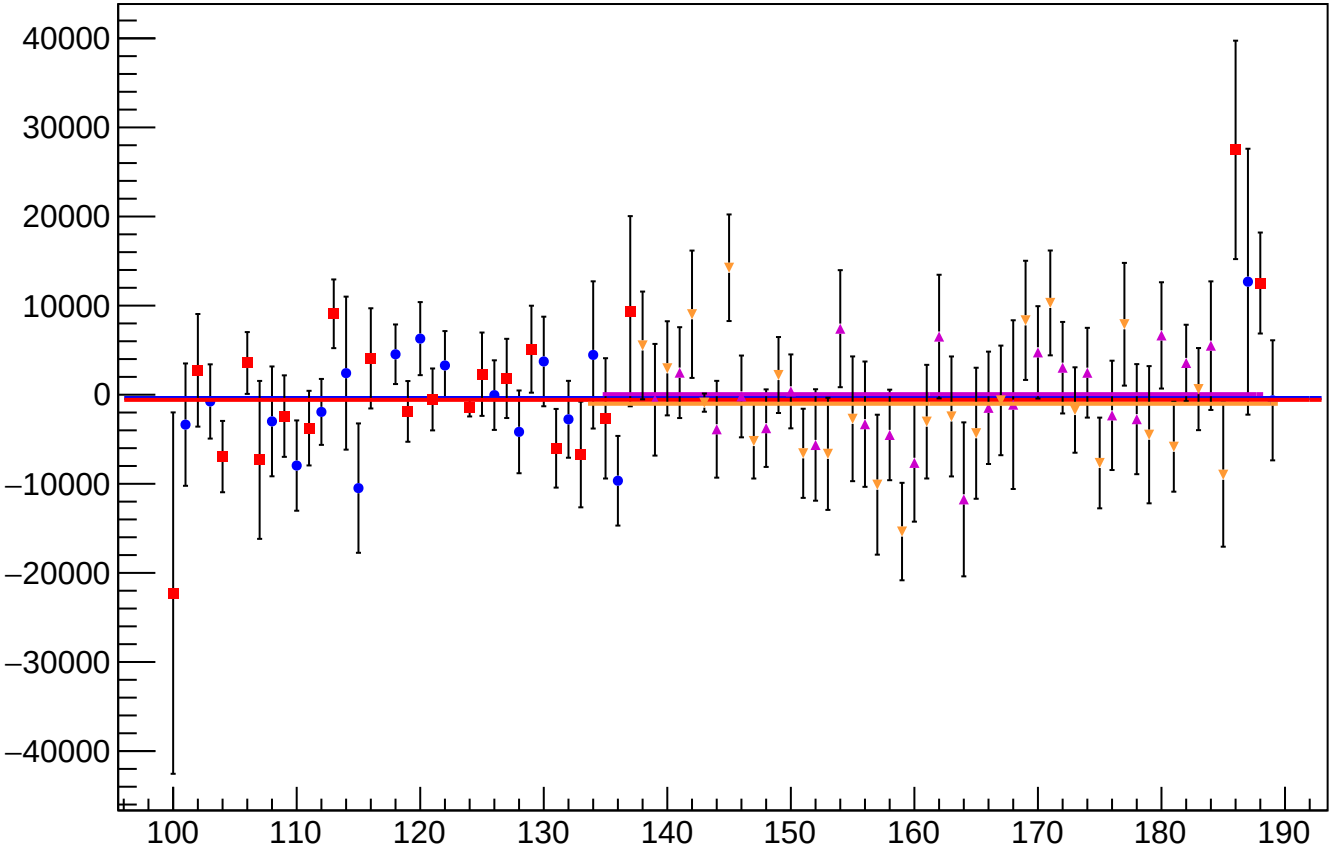
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1824.870+/-0.249 χ^2/NDF: 1030383.8/42

All: 1820.091+/-0.176 χ^2/NDF: 1447578.9/86

- sign 1815.362+/-0.248 χ^2/NDF: 416463.9/43

asym_atr1l2_avg_reg_correction_mean vs Slug



Right In: -371.270+/-1153.546 χ^2/NDF: 16.7/17

Left Out: -1018.861+/-771.816 χ^2/NDF:33.7/24

Right Out: -578.832+/-718.620 χ^2/NDF: 30.9/20

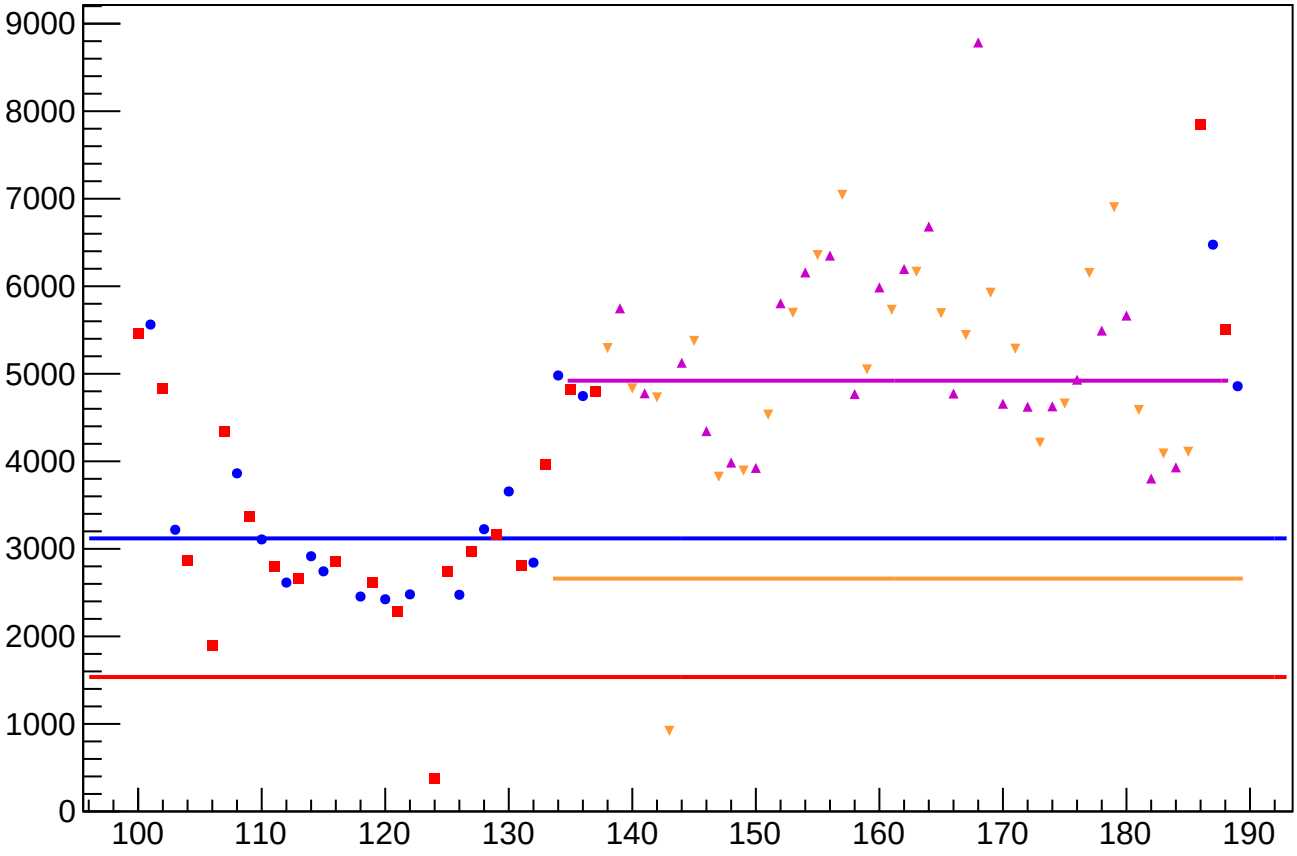
Left In: 62.369+/-1173.429 χ^2/NDF:13.0/22

+ sign -818.603+/-641.474 χ^2/NDF: 50.7/42

All: -601.809+/-443.117 χ^2/NDF: 95.0/86

- sign -403.943+/-612.831 χ^2/NDF: 44.1/43

asym_atr1l2_avg_reg_correction_rms vs Slug



Right In: 3119.510+/-0.816 χ^2/NDF: 1149486.9/17

Left Out: 2660.009+/-0.546 χ^2/NDF:14536074.6/24

Right Out: 1535.687+/-0.508 χ^2/NDF: 8325922.4/20

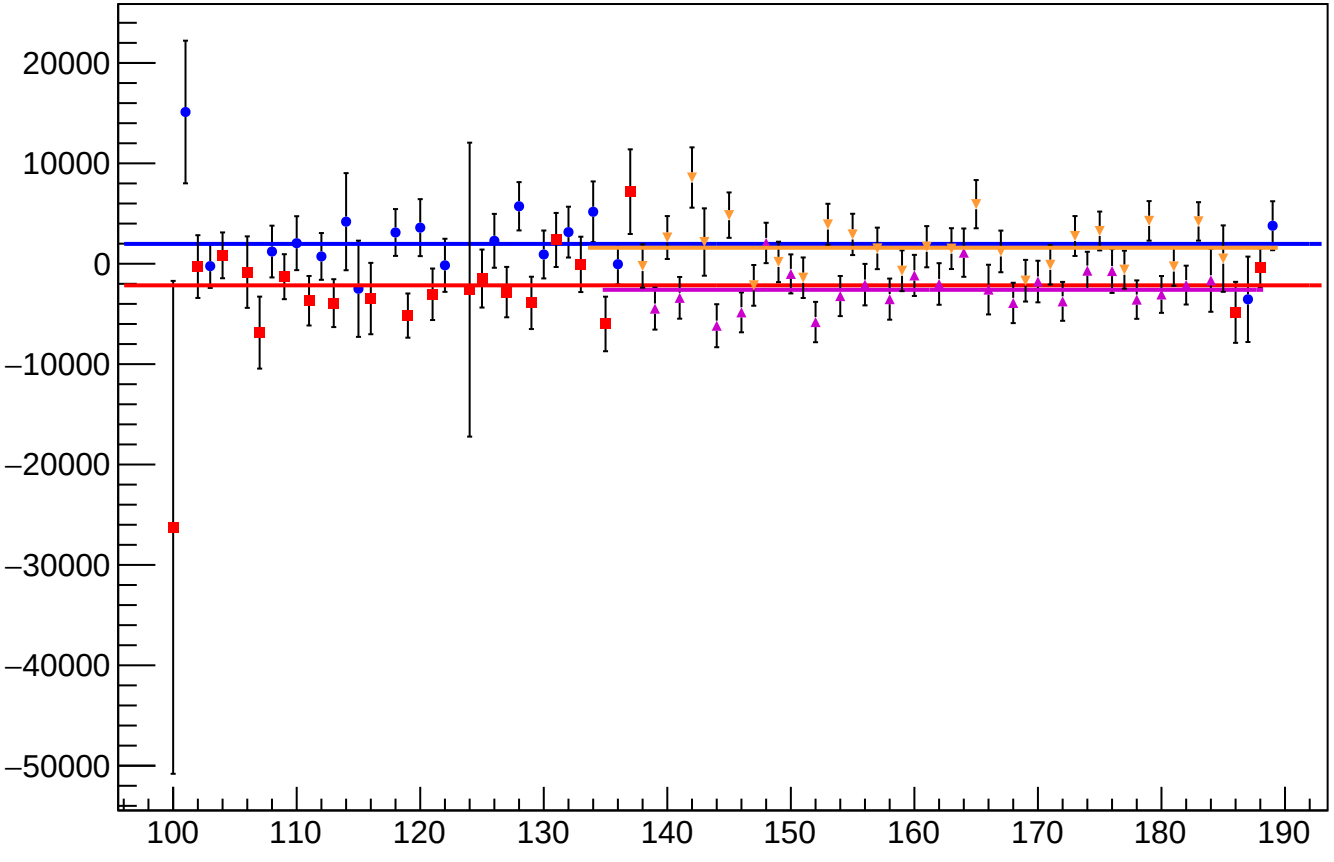
Left In: 4921.319+/-0.830 χ^2/NDF:1251123.1/22

+ sign 2802.103+/-0.454 χ^2/NDF: 15904772.3/42

All: 2622.786+/-0.313 χ^2/NDF: 37888898.4/8

- sign 2459.125+/-0.433 χ^2/NDF: 21685202.6/43

cor_asym_atr1l2_avg_mean vs Slug



Right In: 1975.815+/-636.730 χ^2/NDF: 14.3/17

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: -2151.504+/-609.010 χ^2/NDF: 20.6/20

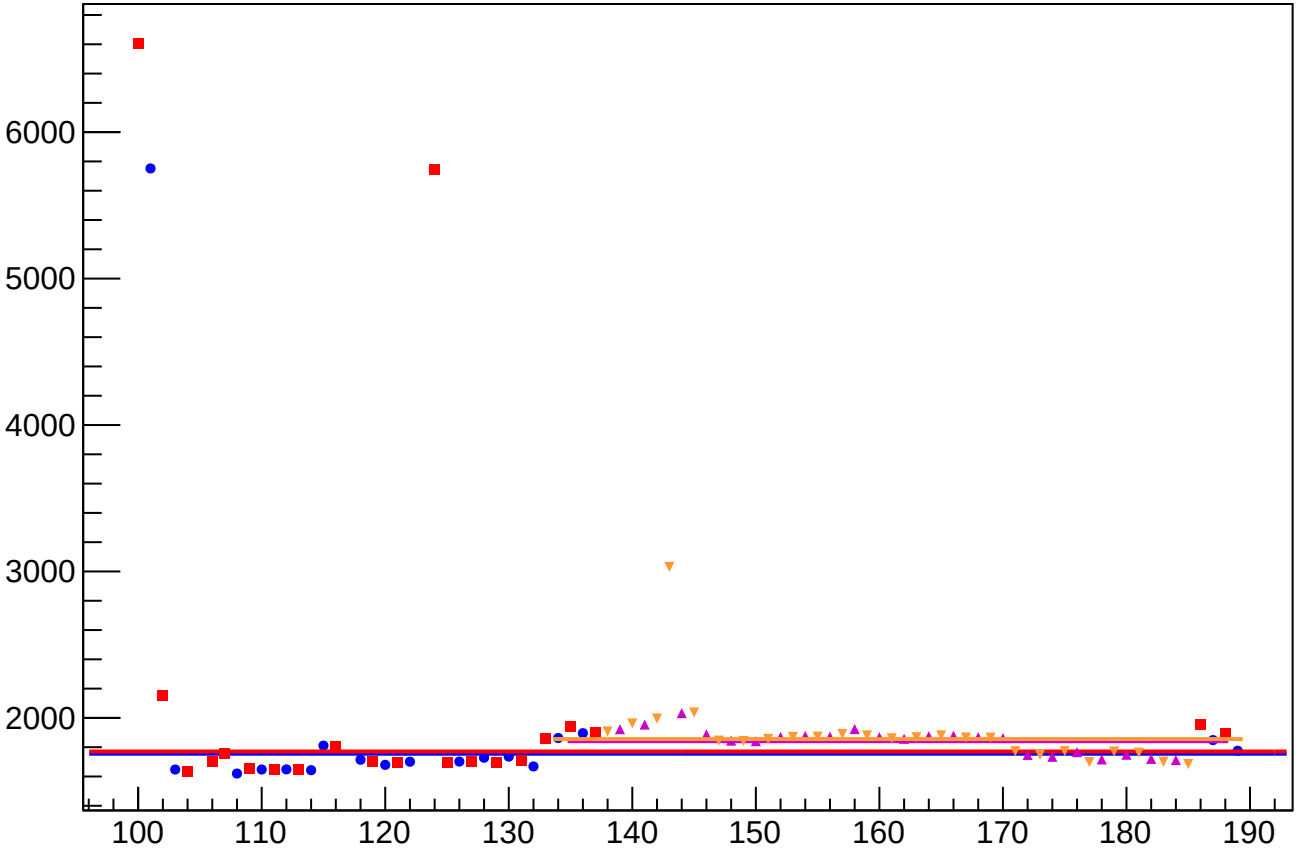
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1709.938+/-352.509 χ^2/NDF: 45.9/42

All: -376.029+/-248.878 χ^2/NDF: 156.7/86

- sign -2449.200+/-351.426 χ^2/NDF: 41.0/43

cor_asym_atr1l2_avg_rms vs Slug



Right In: 1755.429+/-0.450 χ^2/NDF: 671815.9/17

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1770.645+/-0.429 χ^2/NDF: 316140.1/20

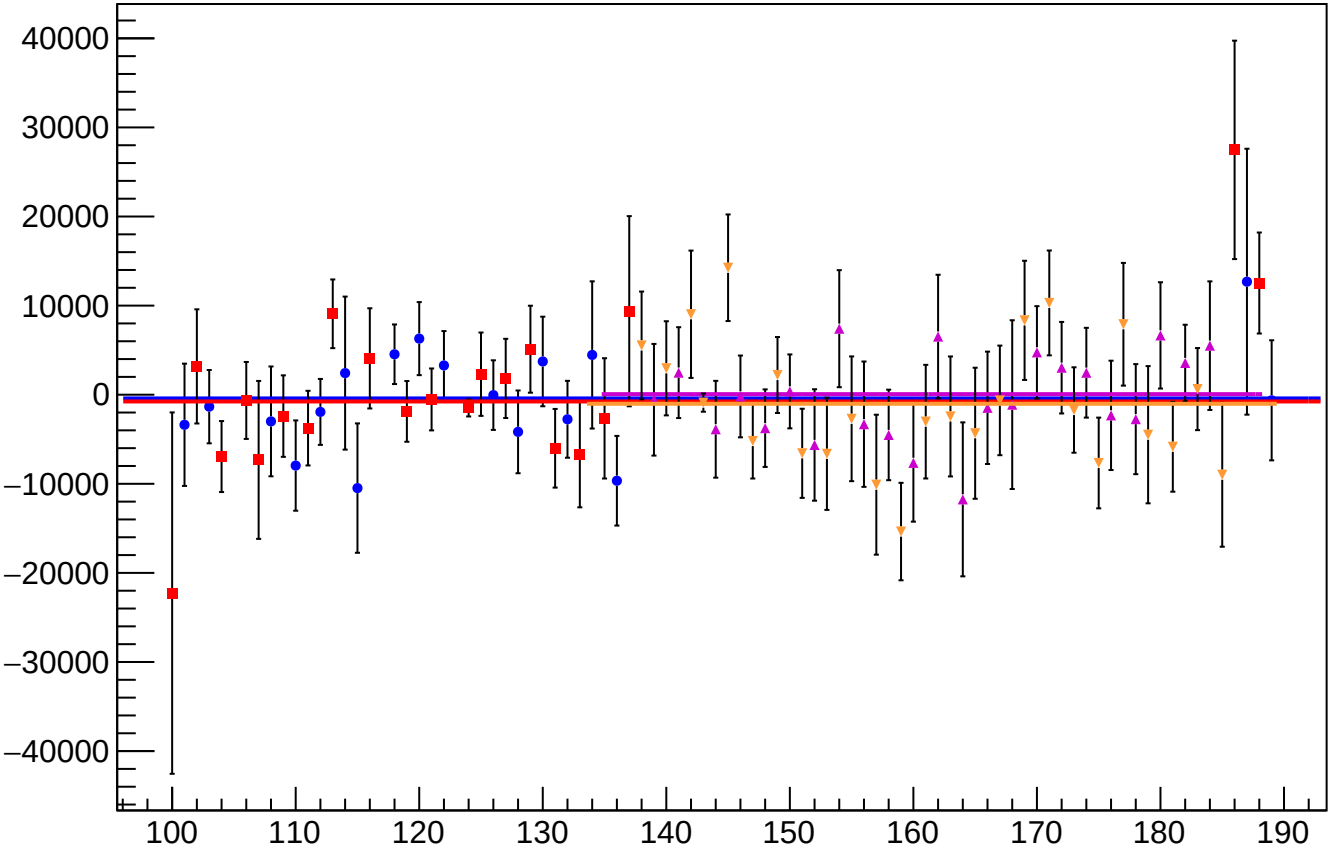
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1824.870+/-0.249 χ^2/NDF: 1030384.2/42

All: 1821.149+/-0.176 χ^2/NDF: 1435824.6/86

- sign 1817.460+/-0.248 χ^2/NDF: 404996.6/43

asym_atr1l2_avg_cor_correction_mean vs Slug



Right In: -418.335+/-1152.400 χ^2/NDF: 16.7/17

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: -758.911+/-724.174 χ^2/NDF: 29.5/20

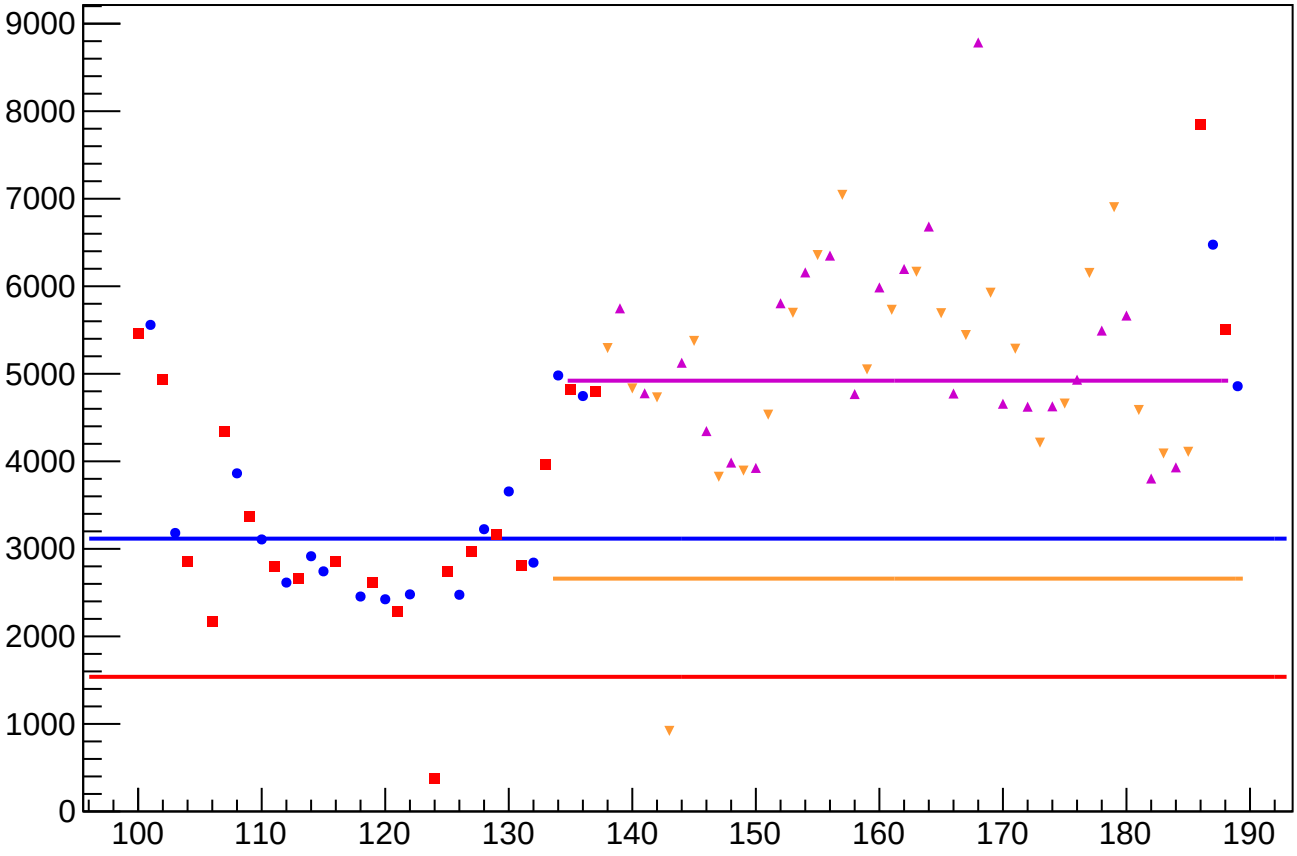
Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

+ sign -832.805+/-641.267 χ^2/NDF: 50.7/42

All: -676.638+/-444.341 χ^2/NDF: 93.6/86

- sign -532.411+/-616.264 χ^2/NDF: 42.9/43

asym_atr1l2_avg_cor_correction_rms vs Slug



Right In: 3116.809+/-0.815 χ^2/NDF: 1148342.2/17

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 1538.016+/-0.512 χ^2/NDF: 8363596.8/20

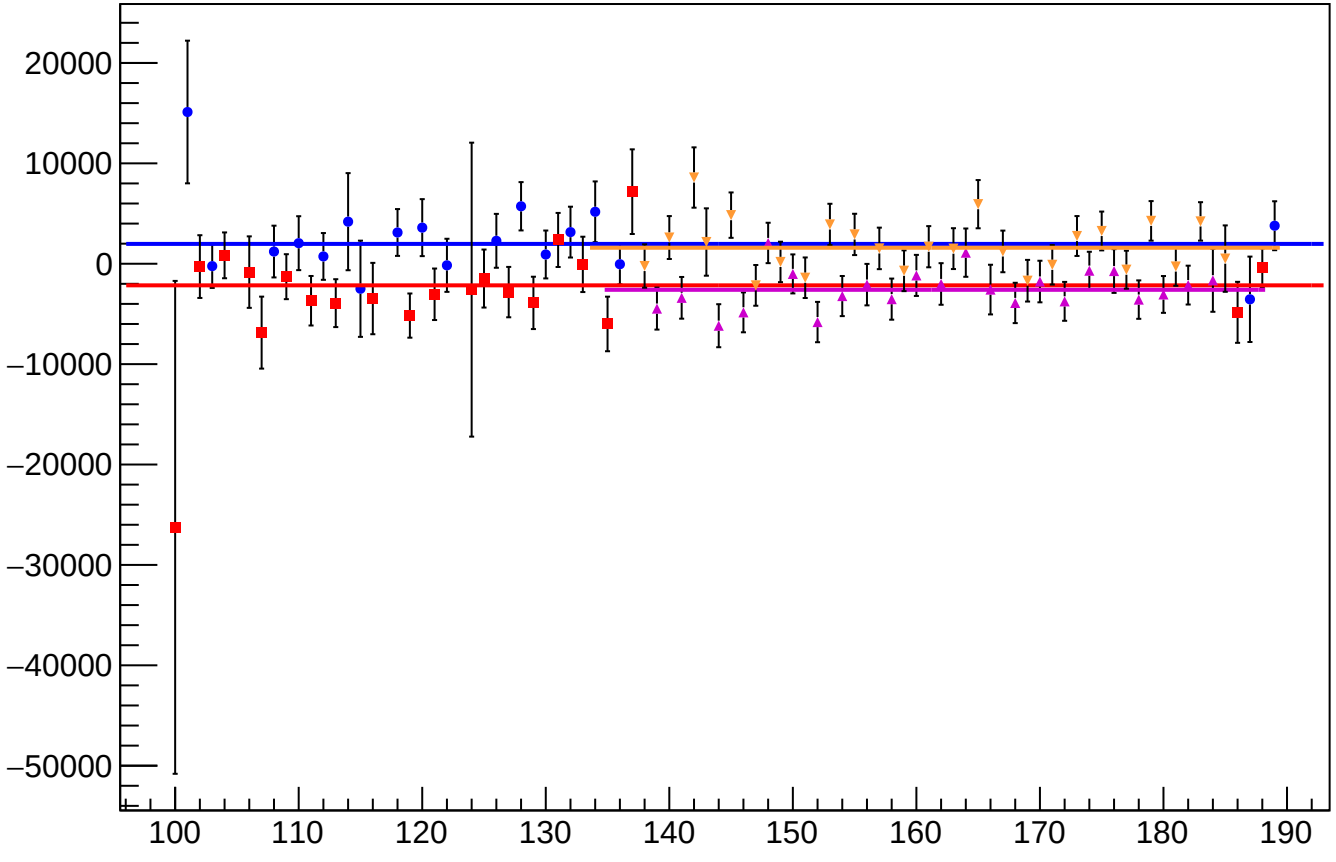
Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 2801.387+/-0.453 χ^2/NDF: 15902195.4/42

All: 2629.724+/-0.314 χ^2/NDF: 37833139.8/8

- sign 2471.187+/-0.436 χ^2/NDF: 21655264.9/43

eigen_cor_asym_atr1l2_avg_mean vs Slug



Right In: 1975.815+/-636.730 χ^2/NDF: 14.3/17

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: -2151.504+/-609.010 χ^2/NDF: 20.6/20

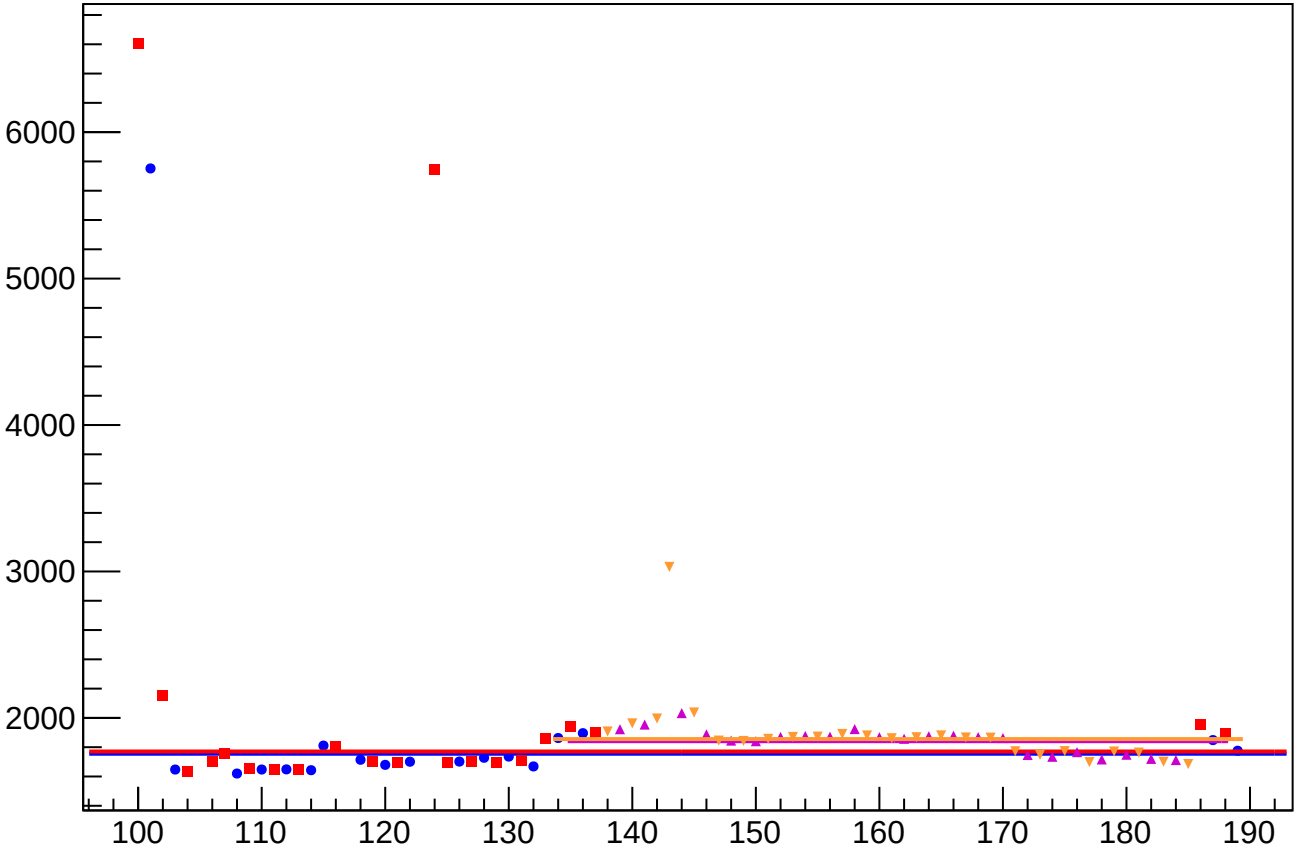
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1709.938+/-352.509 χ^2/NDF: 45.9/42

All: -376.029+/-248.878 χ^2/NDF: 156.7/86

- sign -2449.200+/-351.426 χ^2/NDF: 41.0/43

eigen_cor_asym_atr1l2_avg_rms vs Slug



Right In: 1755.429+/-0.450 χ^2/NDF: 671815.9/17

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

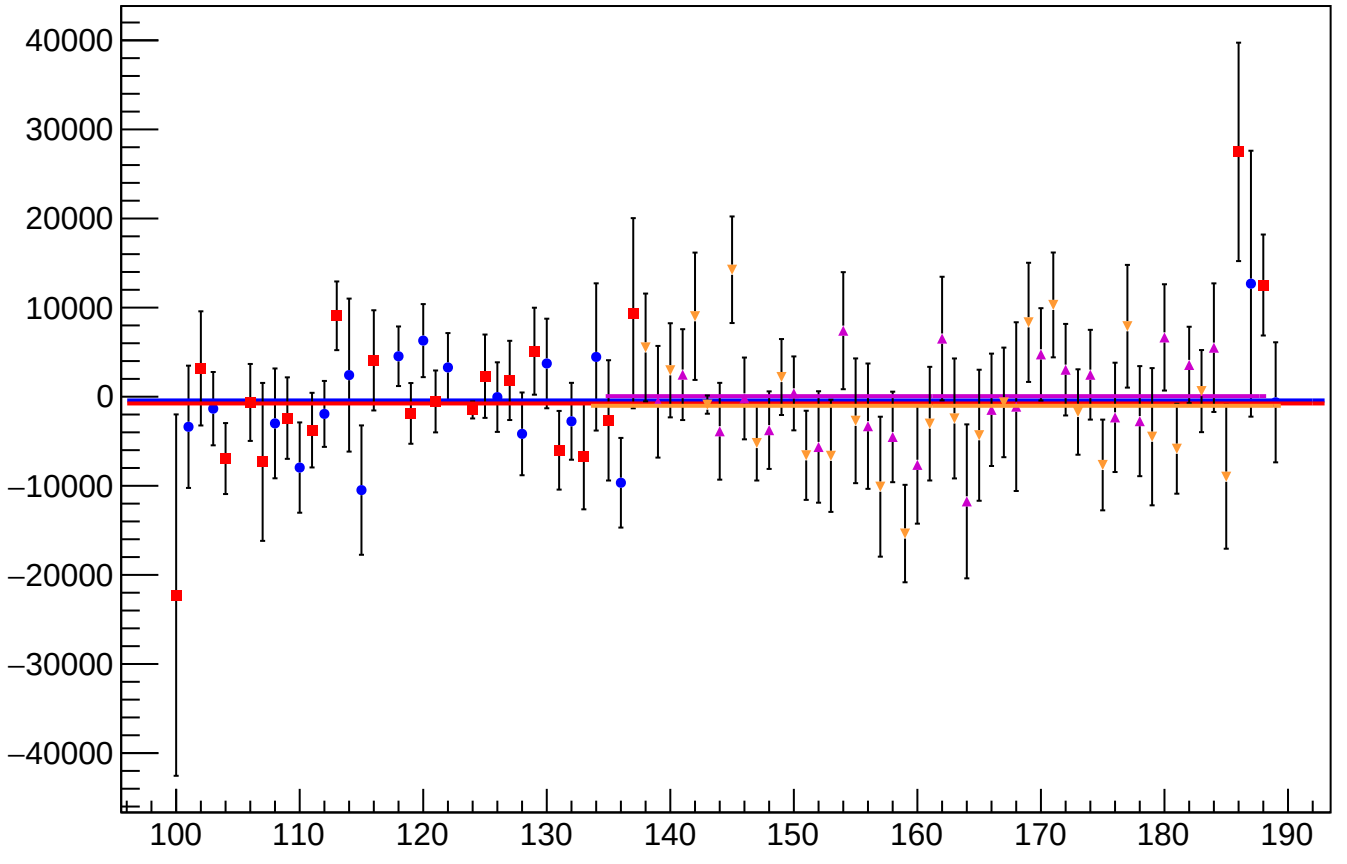
Right Out: 1770.645+/-0.429 χ^2/NDF: 316140.1/20

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1824.870+/-0.249 χ^2/NDF: 1030384.2/42

All: 1821.149+/-0.176 χ^2/NDF: 1435824.6/86

- sign 1817.460+/-0.248 χ^2/NDF: 404996.6/43



Right In: -418.335+/-1152.400 χ^2/NDF: 16.7/17

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: -758.911+/-724.174 χ^2/NDF: 29.5/20

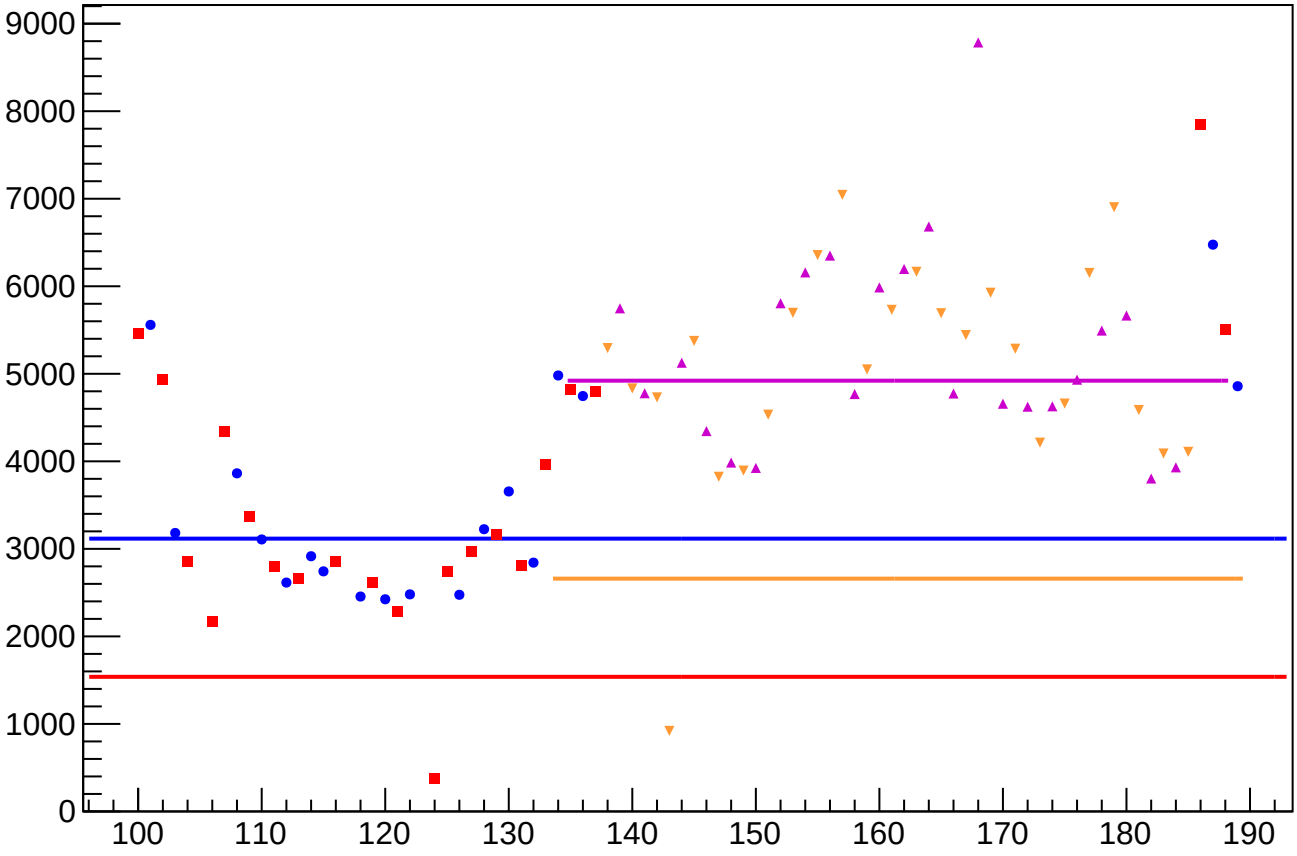
Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

+ sign -832.805+/-641.267 χ^2/NDF: 50.7/42

All: -676.638+/-444.341 χ^2/NDF: 93.6/86

- sign -532.411+/-616.264 χ^2/NDF: 42.9/43

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug



Right In: 3116.809+/-0.815 χ^2/NDF: 1148342.2/17

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 1538.016+/-0.512 χ^2/NDF: 8363596.8/20

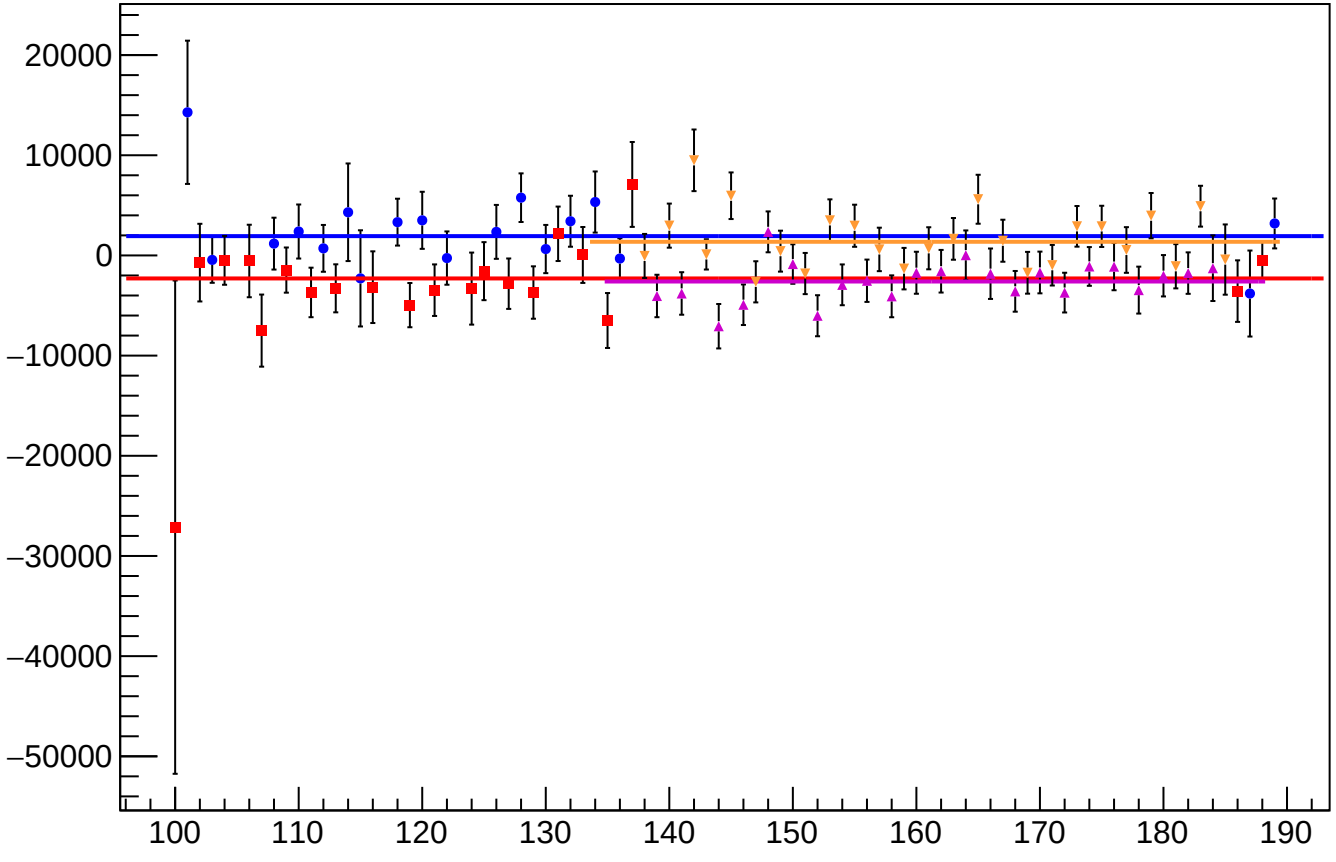
Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 2801.387+/-0.453 χ^2/NDF: 15902195.4/42

All: 2629.724+/-0.314 χ^2/NDF: 37833139.8/8

- sign 2471.187+/-0.436 χ^2/NDF: 21655264.9/43

dit_asym_atr1l2_avg_mean vs Slug



Right In: 1927.055+/-643.316 χ^2/NDF: 14.5/17

Left Out: 1363.887+/-427.332 χ^2/NDF:36.1/24

Right Out: -2297.524+/-610.637 χ^2/NDF: 18.5/20

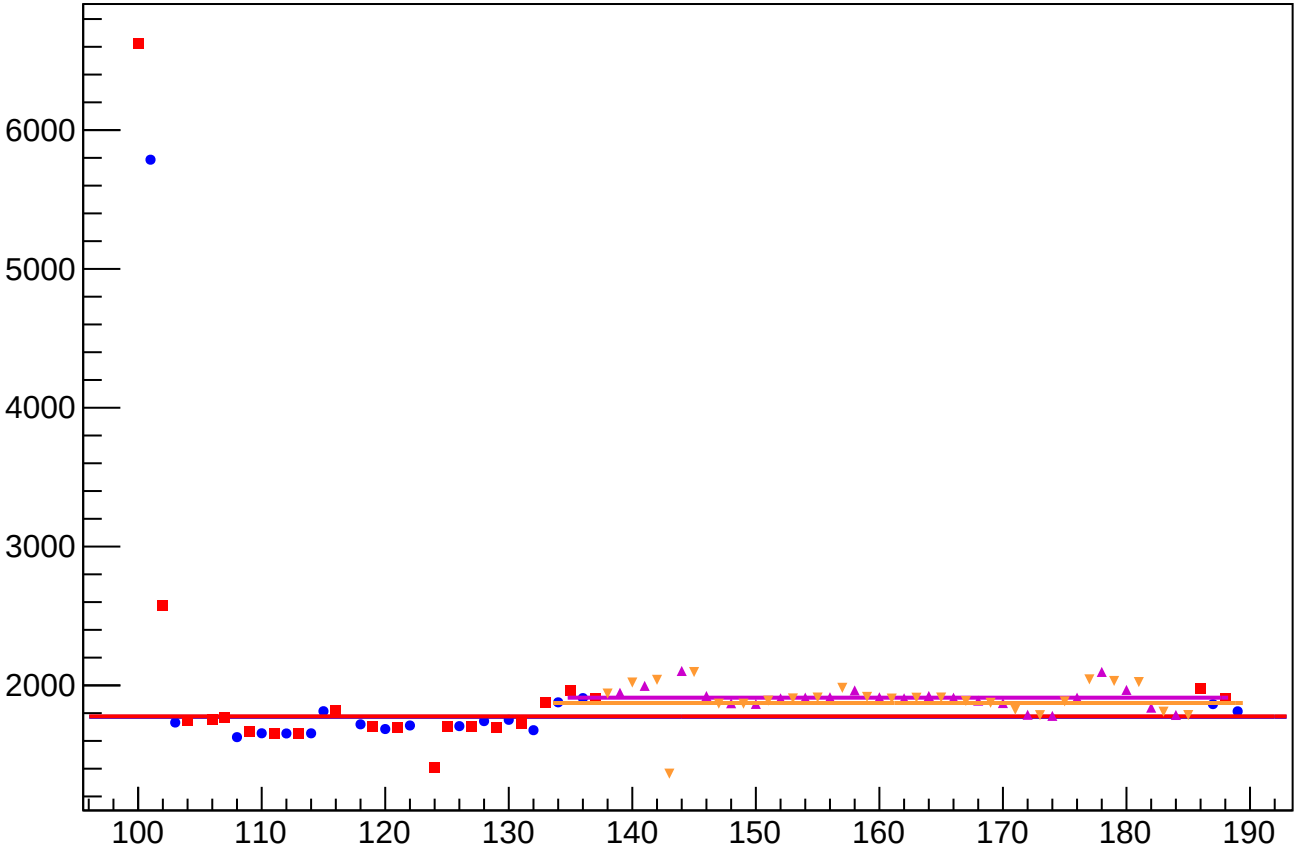
Left In: -2602.835+/-446.741 χ^2/NDF:20.0/22

+ sign 1536.304+/-355.956 χ^2/NDF: 51.1/42

All: -454.176+/-253.308 χ^2/NDF: 153.2/86

- sign -2496.393+/-360.553 χ^2/NDF: 38.7/43

dit_asym_atr1l2_avg_rms vs Slug



Right In: 1773.639+/-0.455 χ^2/NDF: 668898.9/17

Left Out: 1873.177+/-0.302 χ^2/NDF:309733.7/24

Right Out: 1776.962+/-0.431 χ^2/NDF: 238462.4/20

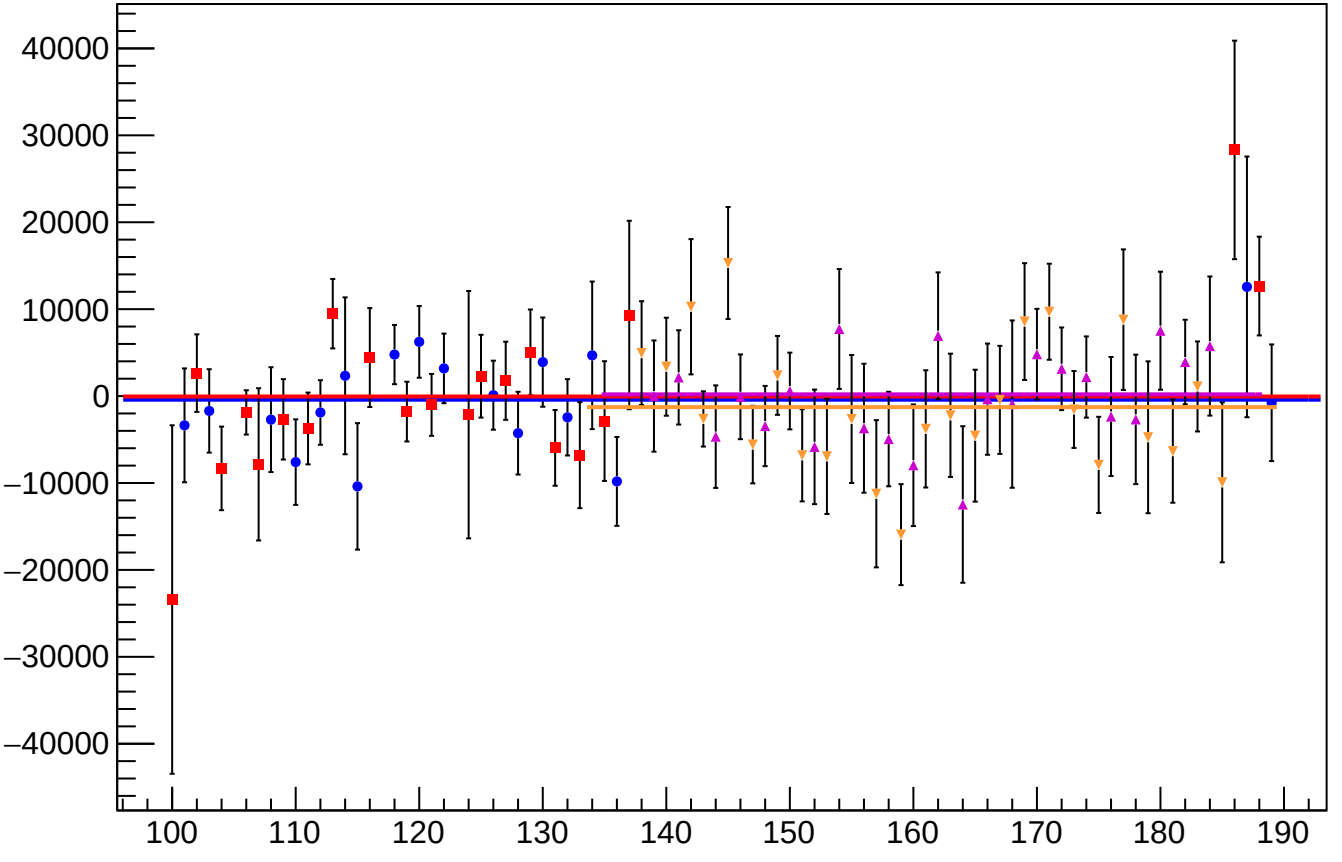
Left In: 1911.423+/-0.316 χ^2/NDF:59139.8/22

+ sign 1842.703+/-0.252 χ^2/NDF: 1011854.8/42

All: 1853.424+/-0.179 χ^2/NDF: 1376484.4/86

- sign 1864.405+/-0.255 χ^2/NDF: 360956.9/43

asym_atr1l2_avg_dit_correction_mean vs Slug



Right In: -416.449+/-1176.197 χ^2/NDF: 16.5/17

Left Out: -1269.760+/-1156.132 χ^2/NDF:33.4/24

Right Out: -47.527+/-1047.348 χ^2/NDF: 29.3/20

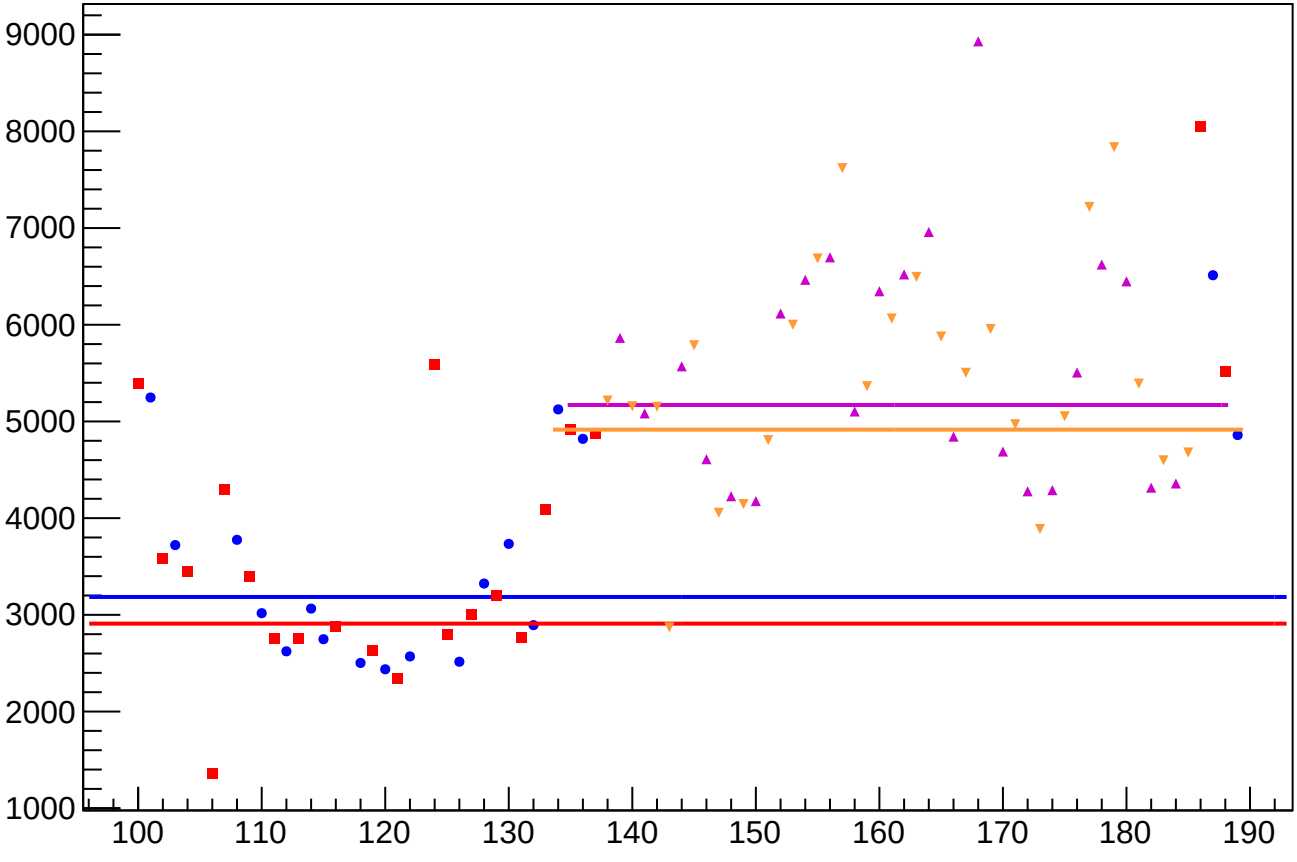
Left In: 196.917+/-1234.538 χ^2/NDF:12.7/22

+ sign -850.445+/-824.511 χ^2/NDF: 50.2/42

All: -383.419+/-573.658 χ^2/NDF: 92.9/86

- sign 54.777+/-798.657 χ^2/NDF: 42.1/43

asym_atr1l2_avg_dit_correction_rms vs Slug



Right In: 3184.814+/-0.832 χ^2/NDF: 1114056.6/17

Left Out: 4915.244+/-0.818 χ^2/NDF:2166229.1/24

Right Out: 2909.177+/-0.741 χ^2/NDF: 2132619.1/20

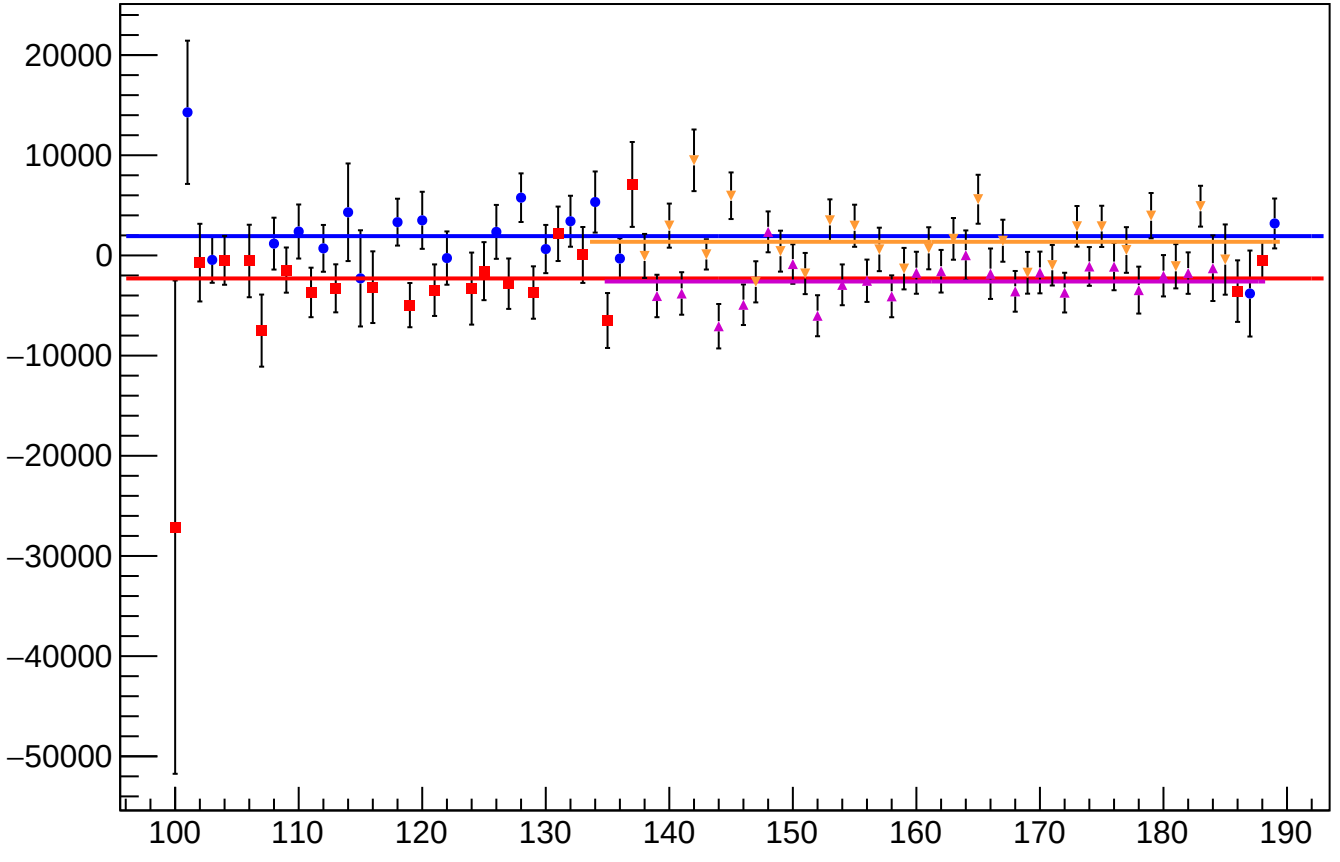
Left In: 5170.028+/-0.873 χ^2/NDF:1348711.3/22

+ sign 4064.915+/-0.583 χ^2/NDF: 5481977.7/42

All: 3956.810+/-0.406 χ^2/NDF: 12930292.0/8

- sign 3855.378+/-0.565 χ^2/NDF: 7381673.1/43

eigen_dit_asym_atr1l2_avg_mean vs Slug



Right In: 1927.057+/-643.316 χ^2/NDF: 14.5/17

Left Out: 1363.884+/-427.333 χ^2/NDF:36.1/24

Right Out: -2297.525+/-610.637 χ^2/NDF: 18.5/20

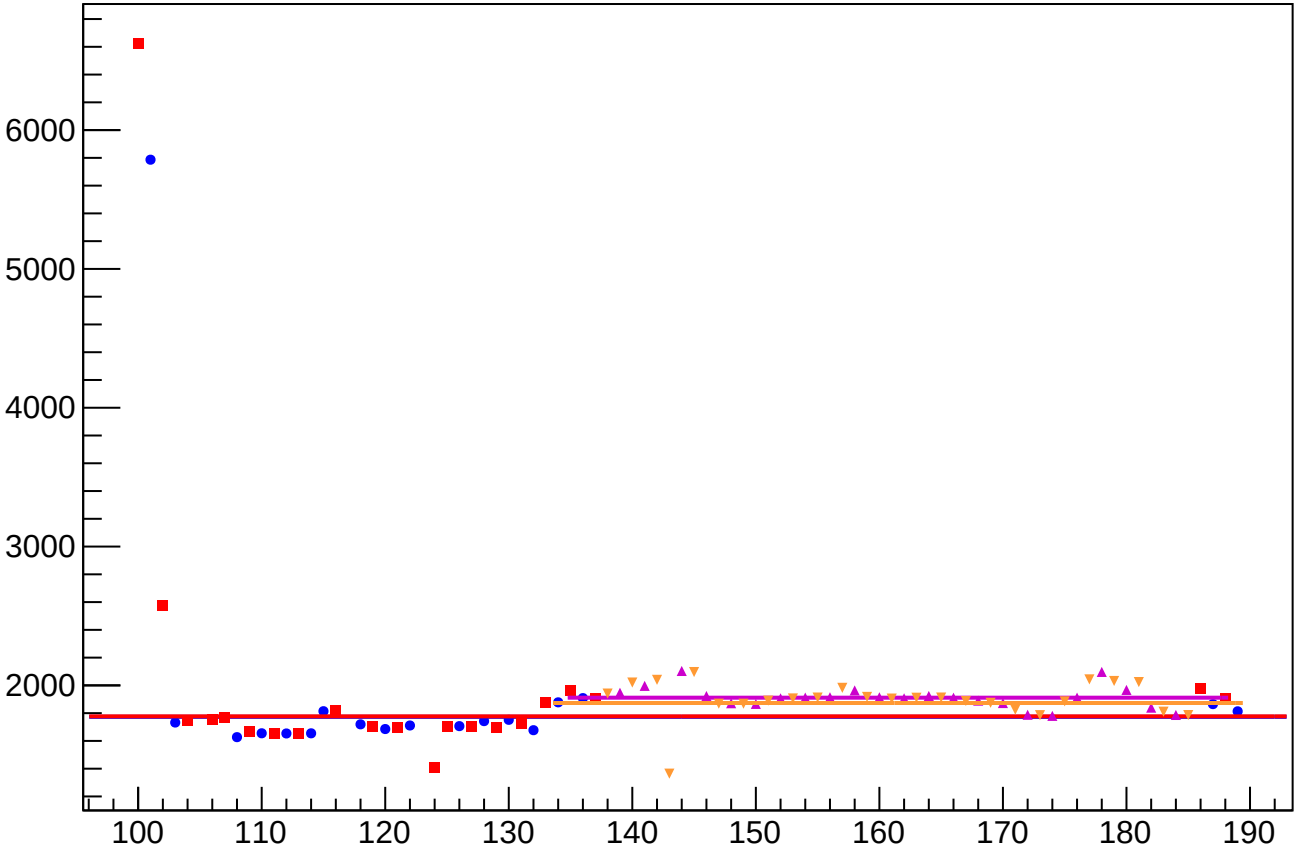
Left In: -2602.834+/-446.742 χ^2/NDF:20.0/22

+ sign 1536.303+/-355.956 χ^2/NDF: 51.1/42

All: -454.177+/-253.309 χ^2/NDF: 153.2/86

- sign -2496.393+/-360.553 χ^2/NDF: 38.8/43

eigen_dit_asym_atr1l2_avg_rms vs Slug



Right In: 1773.639+/-0.455 χ^2/NDF: 668898.9/17

Left Out: 1873.178+/-0.302 χ^2/NDF:309737.2/24

Right Out: 1776.962+/-0.431 χ^2/NDF: 238462.3/20

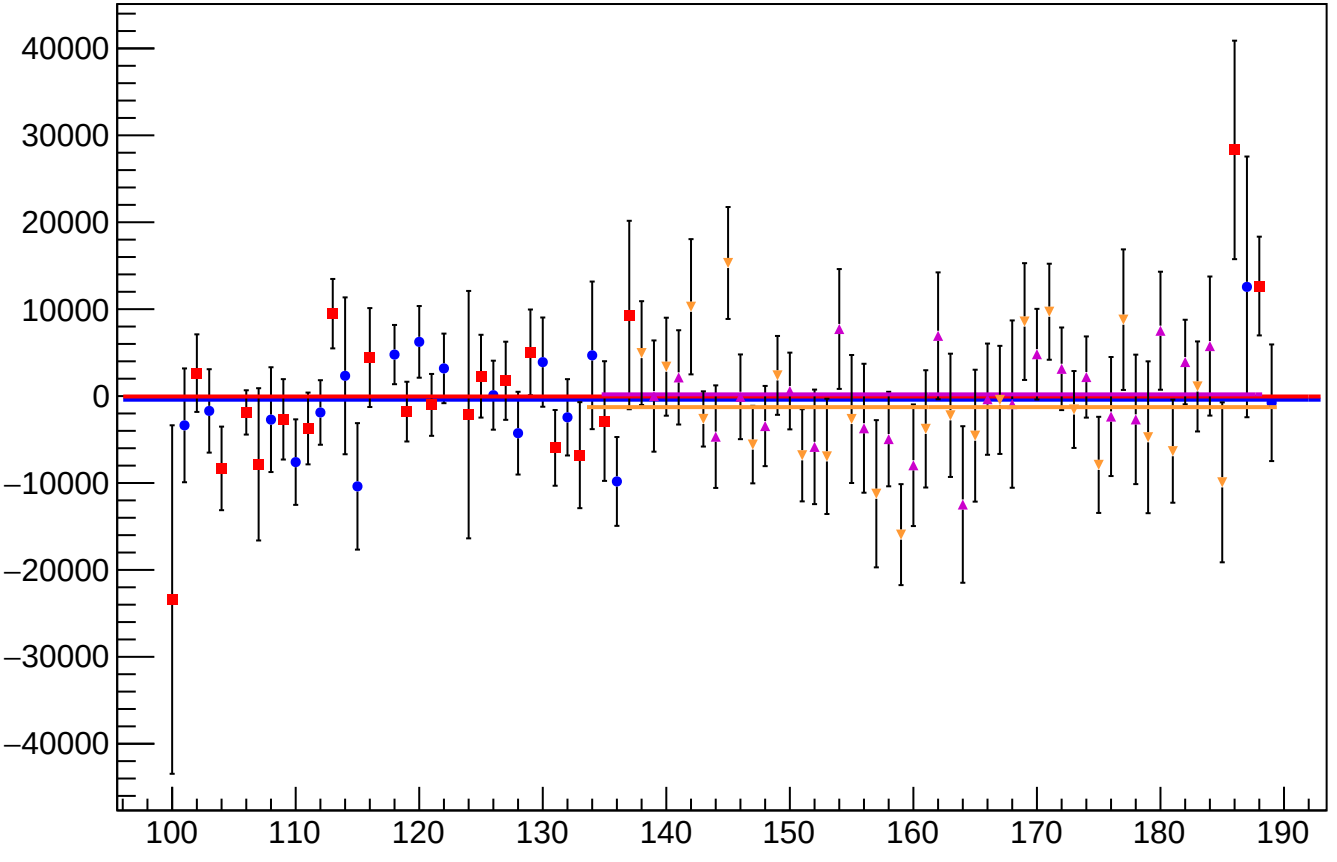
Left In: 1911.425+/-0.316 χ^2/NDF:59142.0/22

+ sign 1842.704+/-0.252 χ^2/NDF: 1011859.0/42

All: 1853.424+/-0.179 χ^2/NDF: 1376491.9/86

- sign 1864.406+/-0.255 χ^2/NDF: 360960.3/43

asym_atr1l2_avg_eigen_dit_correction_mean vs Slug



Right In: -416.444+/-1176.193 χ^2/NDF: 16.5/17

Left Out: -1269.765+/-1156.133 χ^2/NDF:33.4/24

Right Out: -47.534+/-1047.344 χ^2/NDF: 29.3/20

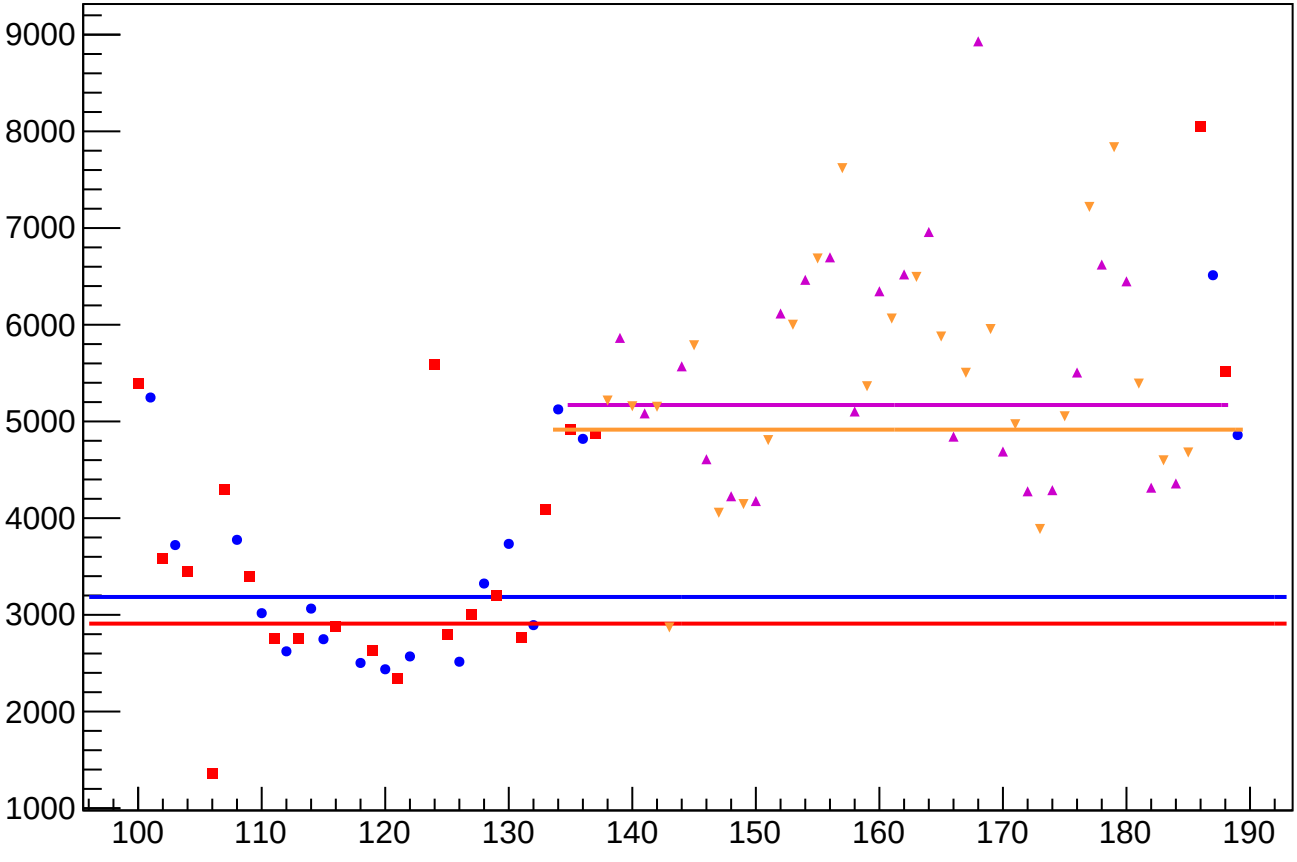
Left In: 196.918+/-1234.540 χ^2/NDF:12.7/22

+ sign -850.443+/-824.510 χ^2/NDF: 50.2/42

All: -383.420+/-573.658 χ^2/NDF: 92.9/86

- sign 54.773+/-798.656 χ^2/NDF: 42.1/43

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug



Right In: 3184.803+/-0.832 χ^2/NDF: 1114069.0/17

Left Out: 4915.251+/-0.818 χ^2/NDF:2166236.2/24

Right Out: 2909.164+/-0.741 χ^2/NDF: 2132645.0/20

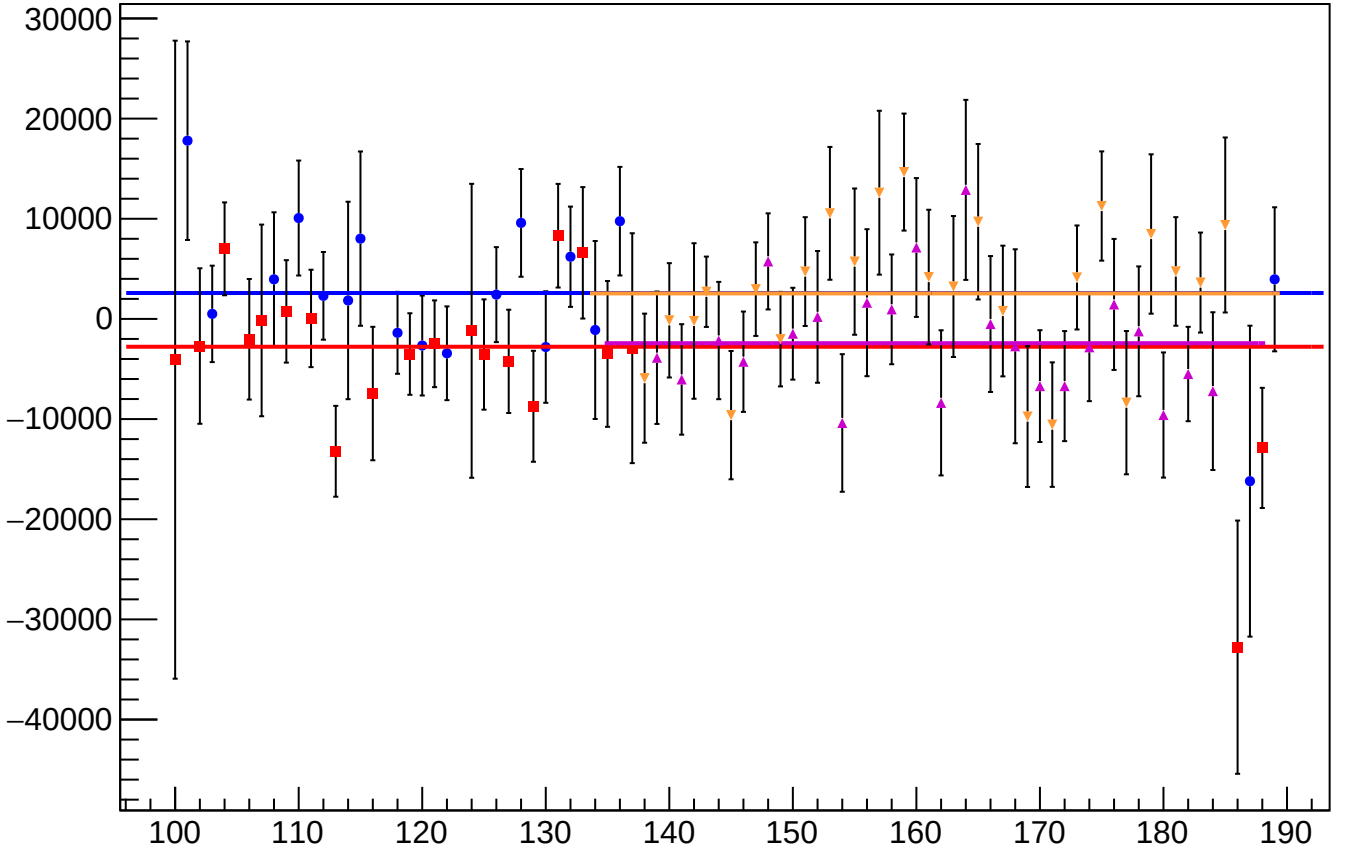
Left In: 5170.035+/-0.873 χ^2/NDF:1348713.2/22

+ sign 4064.909+/-0.583 χ^2/NDF: 5482046.2/42

All: 3956.801+/-0.406 χ^2/NDF: 12930468.8/8

- sign 3855.368+/-0.565 χ^2/NDF: 7381778.7/43

asym_atr1l2_avg_mean vs Slug



Right In: 2587.323+/-1350.049 χ^2/NDF: 15.0/17

Left Out: 2547.072+/-1187.668 χ^2/NDF:29.1/24

Right Out: -2777.954+/-1294.415 χ^2/NDF: 27.5/20

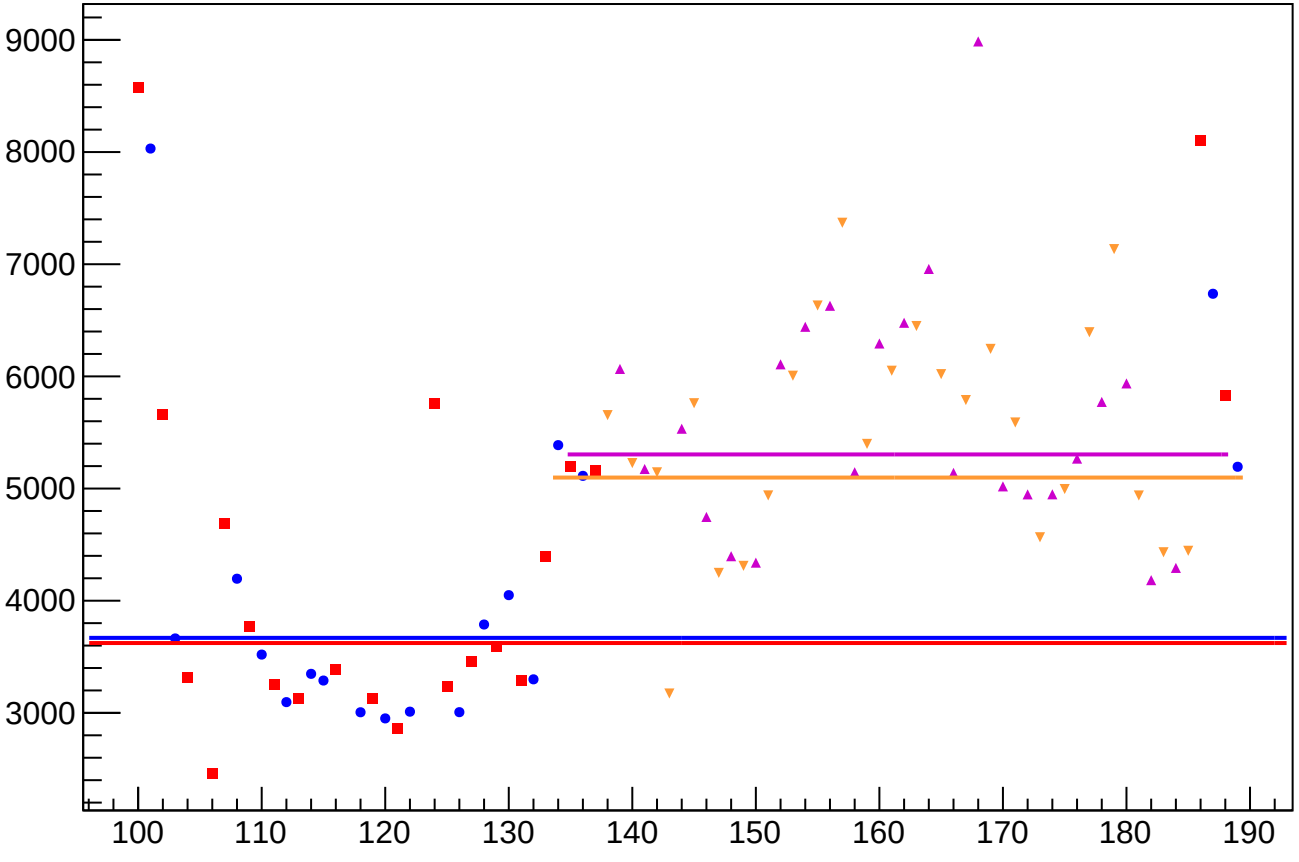
Left In: -2423.016+/-1259.653 χ^2/NDF:15.0/22

+ sign 2564.632+/-891.722 χ^2/NDF: 44.0/42

All: 16.197+/-634.405 χ^2/NDF: 103.2/86

- sign -2595.655+/-902.748 χ^2/NDF: 42.6/43

asym_atr1l2_avg_rms vs Slug



Right In: 3668.834+/-0.955 χ^2/NDF: 1020099.8/17

Left Out: 5097.995+/-0.840 χ^2/NDF:1544385.5/24

Right Out: 3622.663+/-0.902 χ^2/NDF: 1216152.8/20

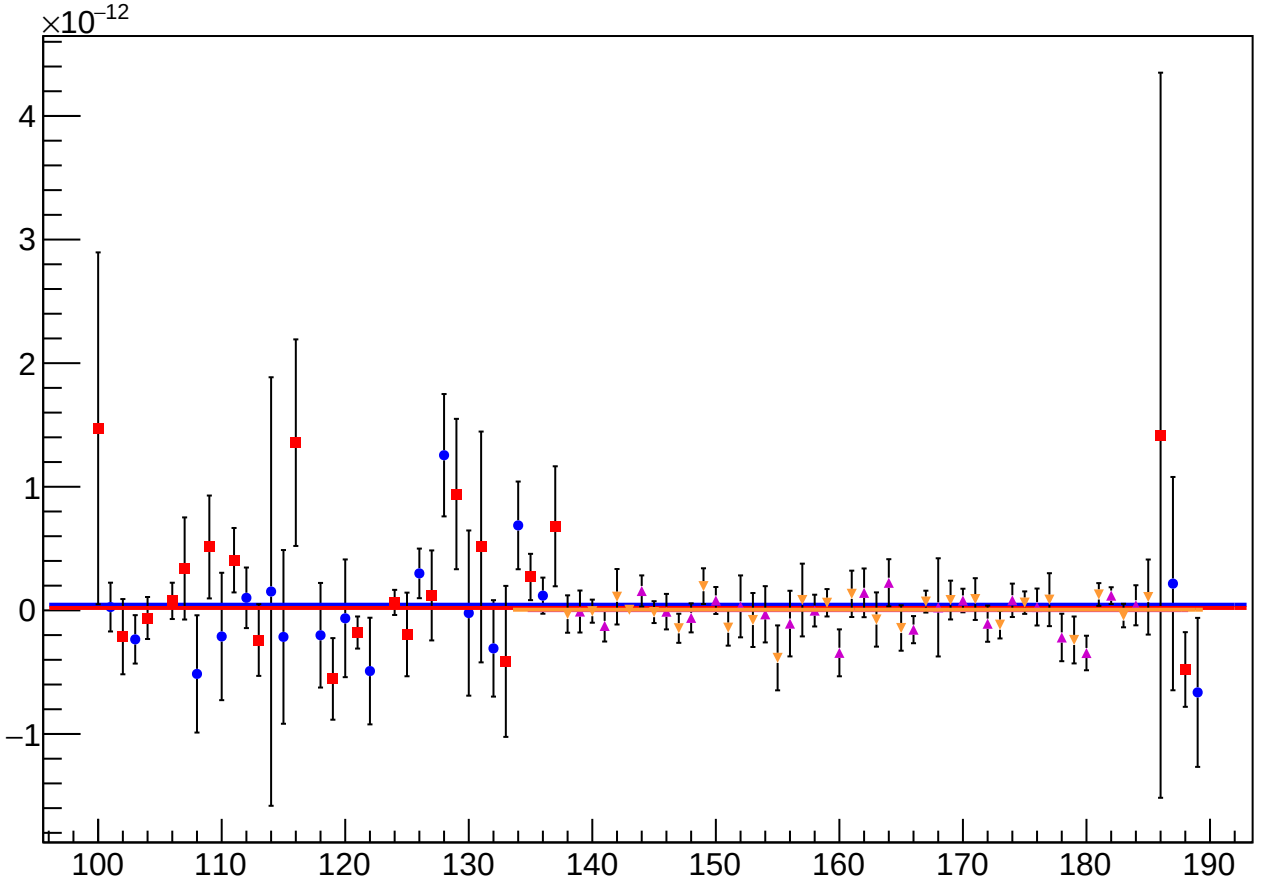
Left In: 5304.171+/-0.891 χ^2/NDF:1017974.6/22

+ sign 4474.488+/-0.631 χ^2/NDF: 3827948.9/42

All: 4474.325+/-0.447 χ^2/NDF: 7821256.0/86

- sign 4474.161+/-0.634 χ^2/NDF: 3993306.9/43

asym_atr1l2_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 19.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/20

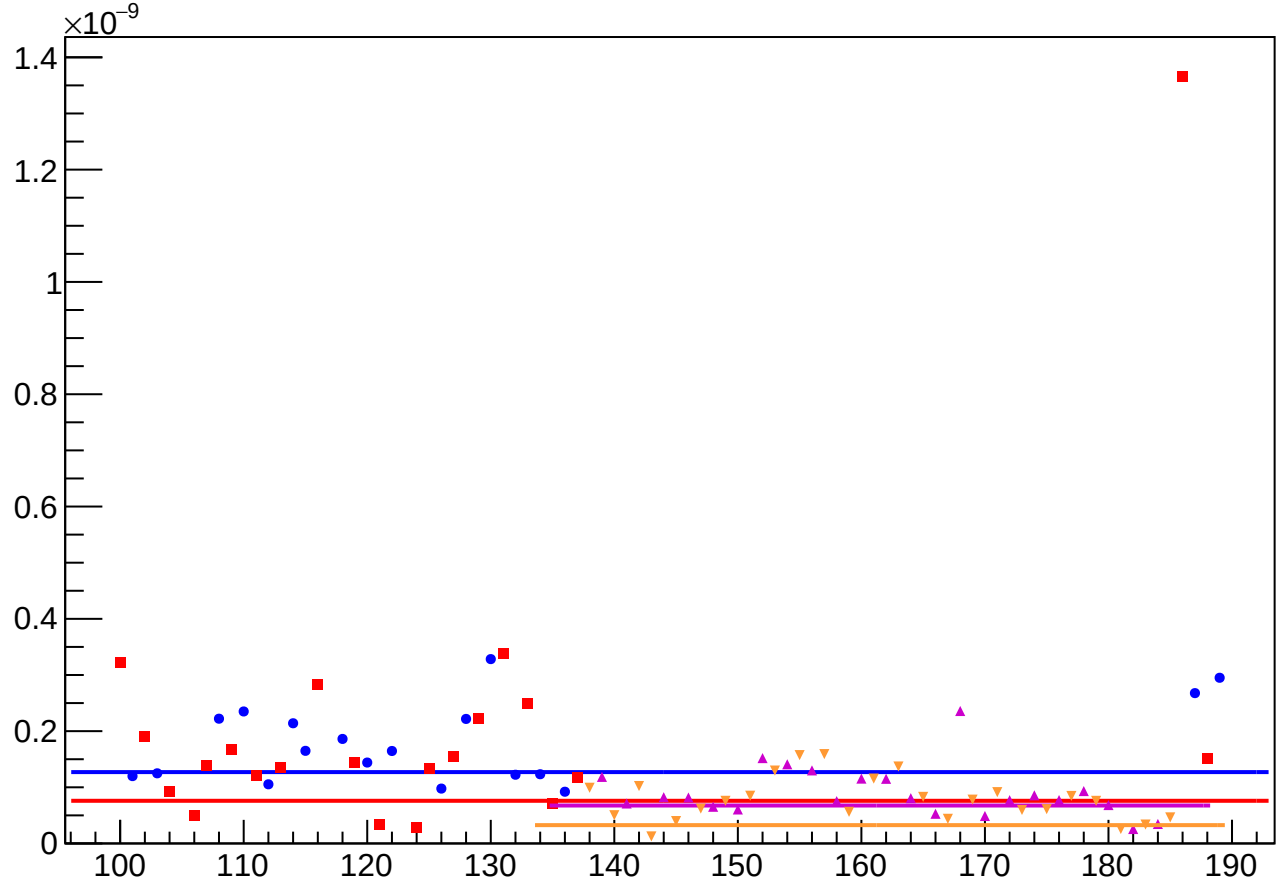
Left In: 0.000+/-0.000 χ^2/NDF:22.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 34.7/42

All: 0.000+/-0.000 χ^2/NDF: 83.0/86

- sign 0.000+/-0.000 χ^2/NDF: 48.3/43

asym_atr1l2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 875165.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:6126369.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2706575.3/20

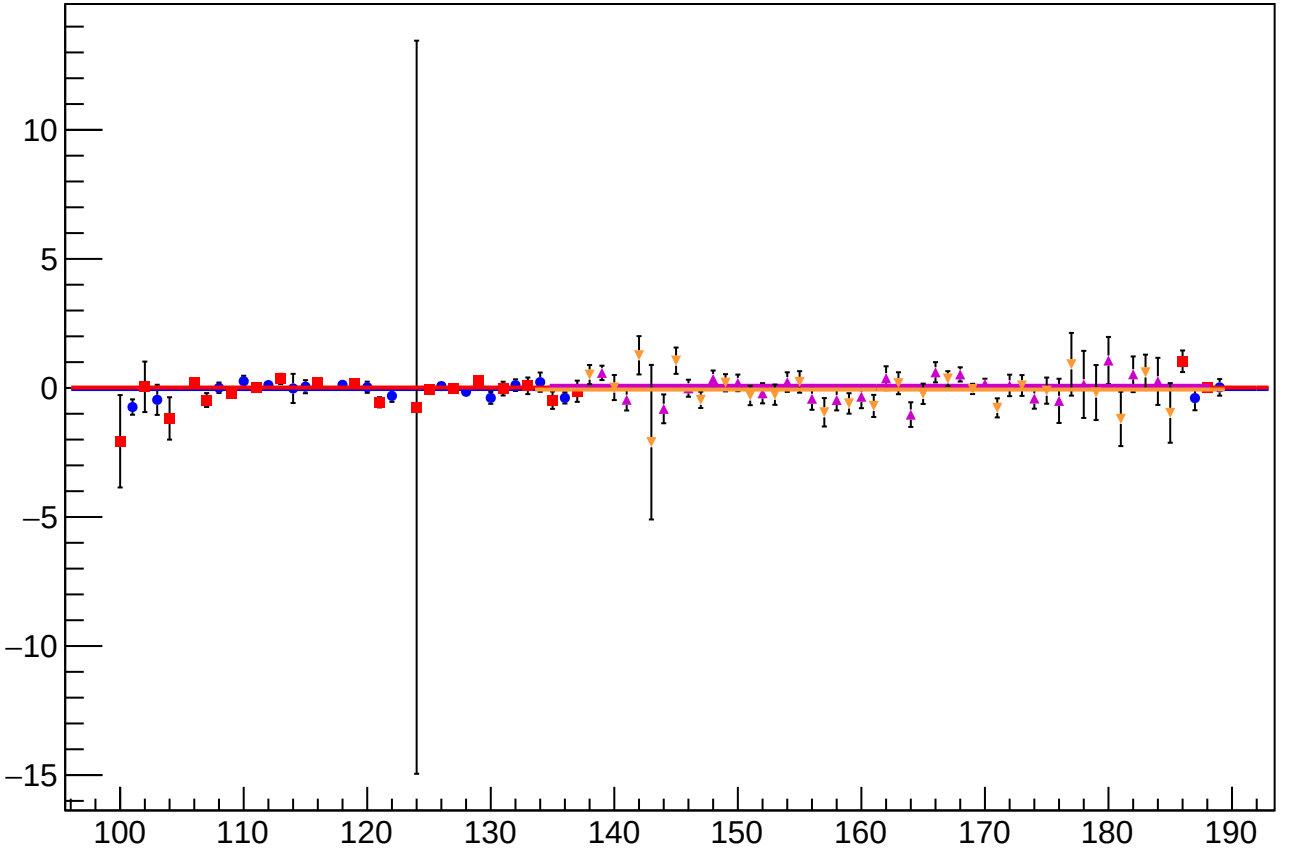
Left In: 0.000+/-0.000 χ^2/NDF:2448729.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 10225343.2/42

All: 0.000+/-0.000 χ^2/NDF: 17646891.8/86

- sign 0.000+/-0.000 χ^2/NDF: 5195108.2/43

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.043+/-0.055 χ^2/NDF: 18.5/17

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.017+/-0.047 χ^2/NDF: 34.7/20

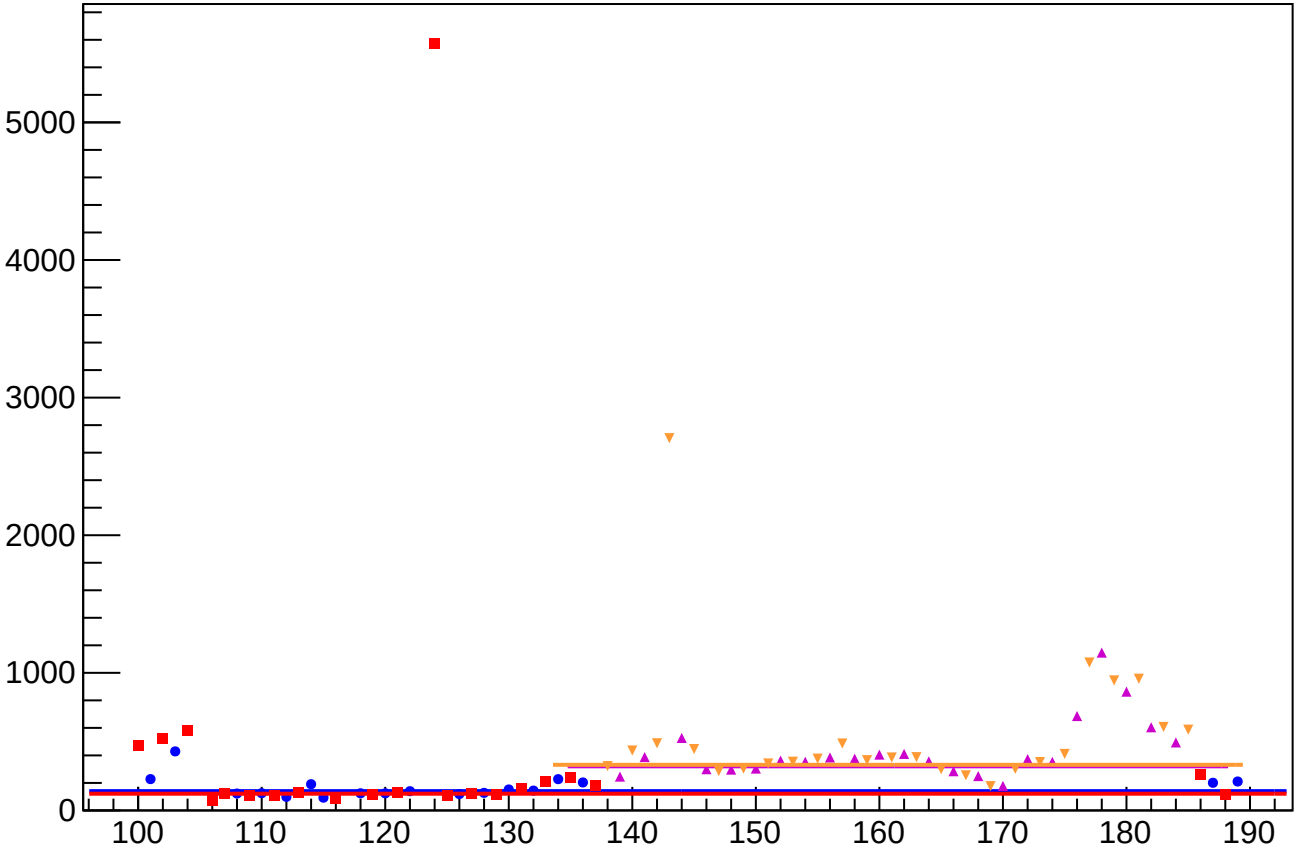
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.048+/-0.046 χ^2/NDF: 49.3/42

All: -0.002+/-0.030 χ^2/NDF: 113.3/86

- sign 0.034+/-0.041 χ^2/NDF: 62.2/43

asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 140.357+/-0.039 χ^2/NDF: 1401794.9/17

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

Right Out: 121.699+/-0.033 χ^2/NDF: 2371363.6/20

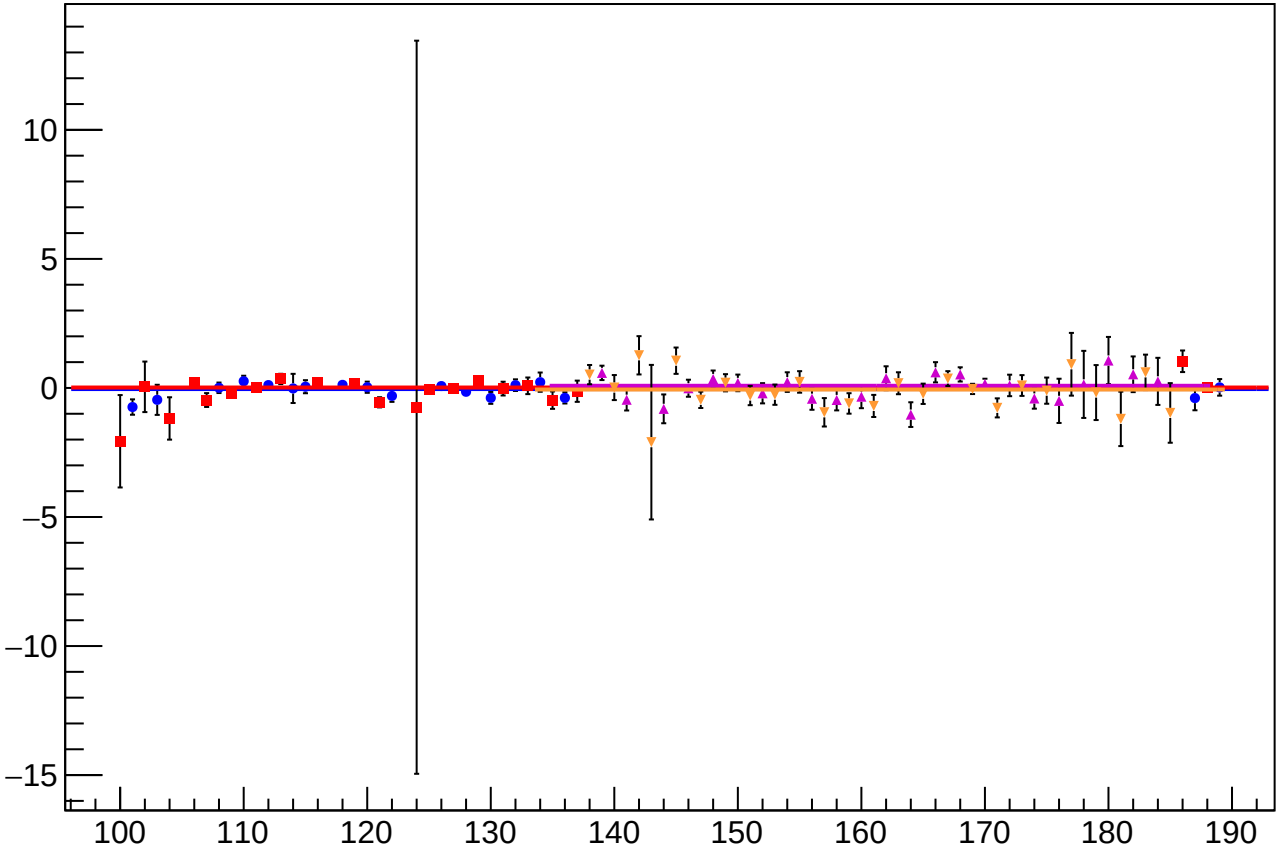
Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 197.510+/-0.032 χ^2/NDF: 14566805.4/42

All: 183.187+/-0.022 χ^2/NDF: 30540511.8/86

- sign 171.835+/-0.029 χ^2/NDF: 15622255.1/43

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.043+/-0.055 χ^2/NDF: 18.5/17

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.017+/-0.047 χ^2/NDF: 34.7/20

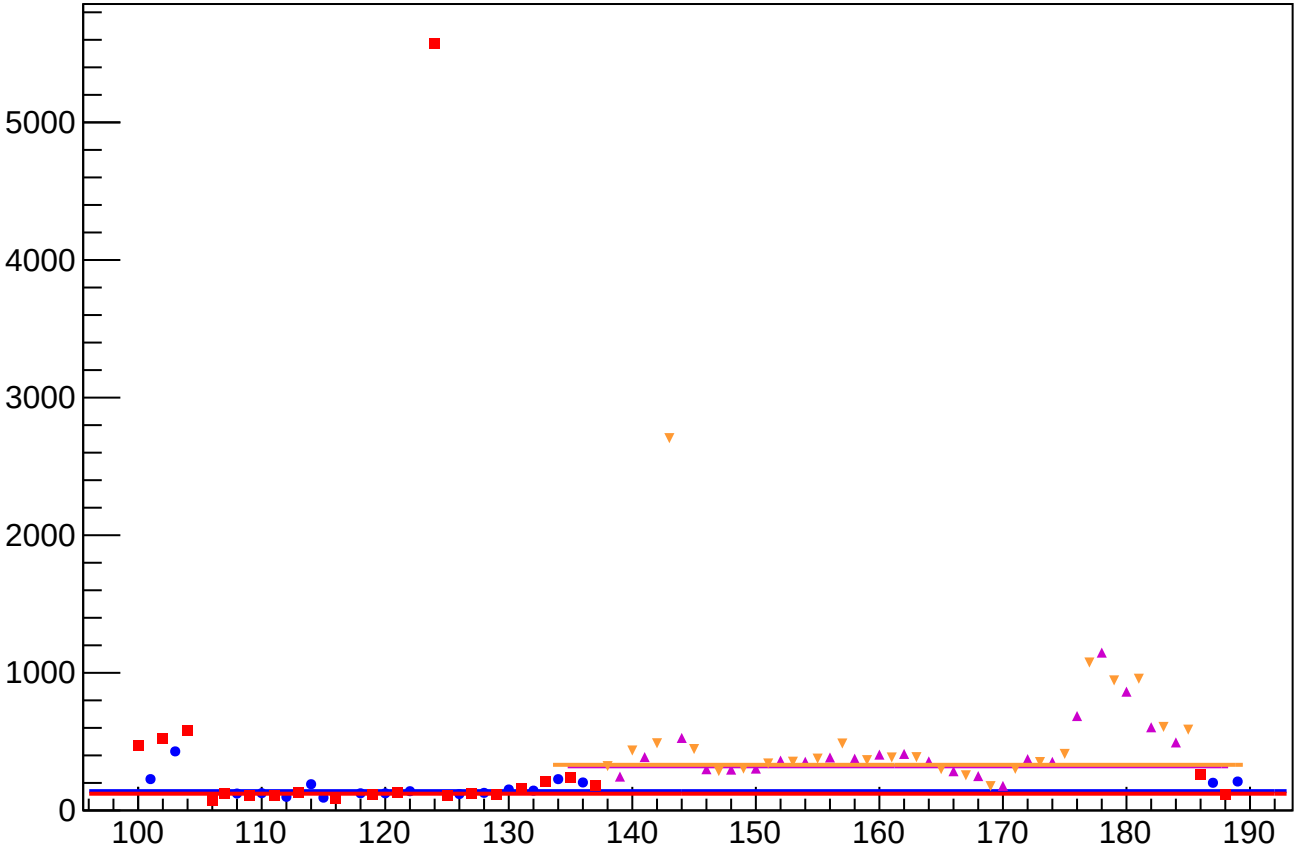
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.048+/-0.046 χ^2/NDF: 49.3/42

All: -0.002+/-0.030 χ^2/NDF: 113.3/86

- sign 0.034+/-0.041 χ^2/NDF: 62.2/43

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 140.357+/-0.039 χ^2/NDF: 1401794.9/17

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

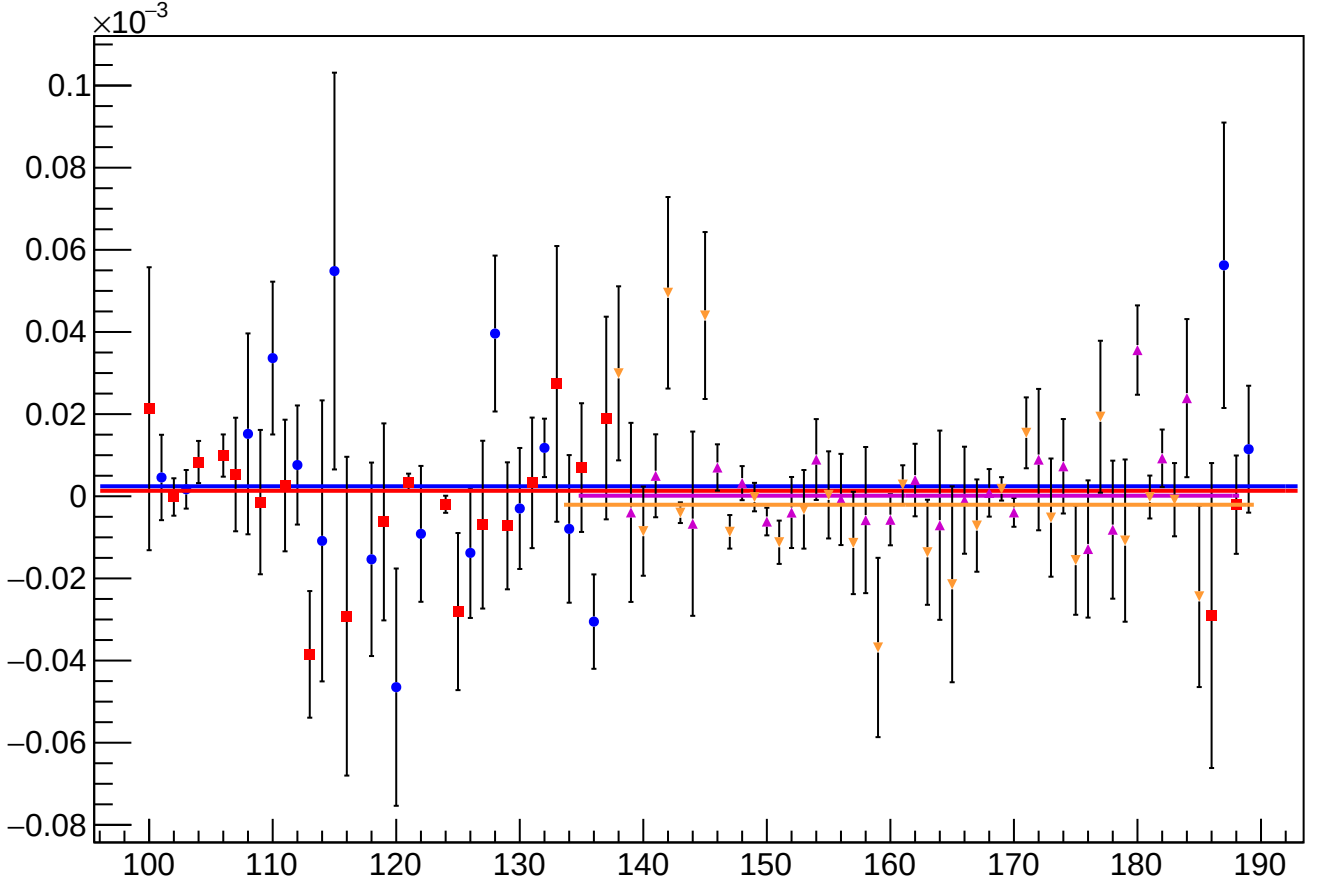
Right Out: 121.699+/-0.033 χ^2/NDF: 2371363.6/20

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 197.510+/-0.032 χ^2/NDF: 14566805.4/42

All: 183.187+/-0.022 χ^2/NDF: 30540511.8/86

- sign 171.835+/-0.029 χ^2/NDF: 15622255.1/43



Right In: 0.000+/-0.000 χ^2/NDF: 26.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:34.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.0/20

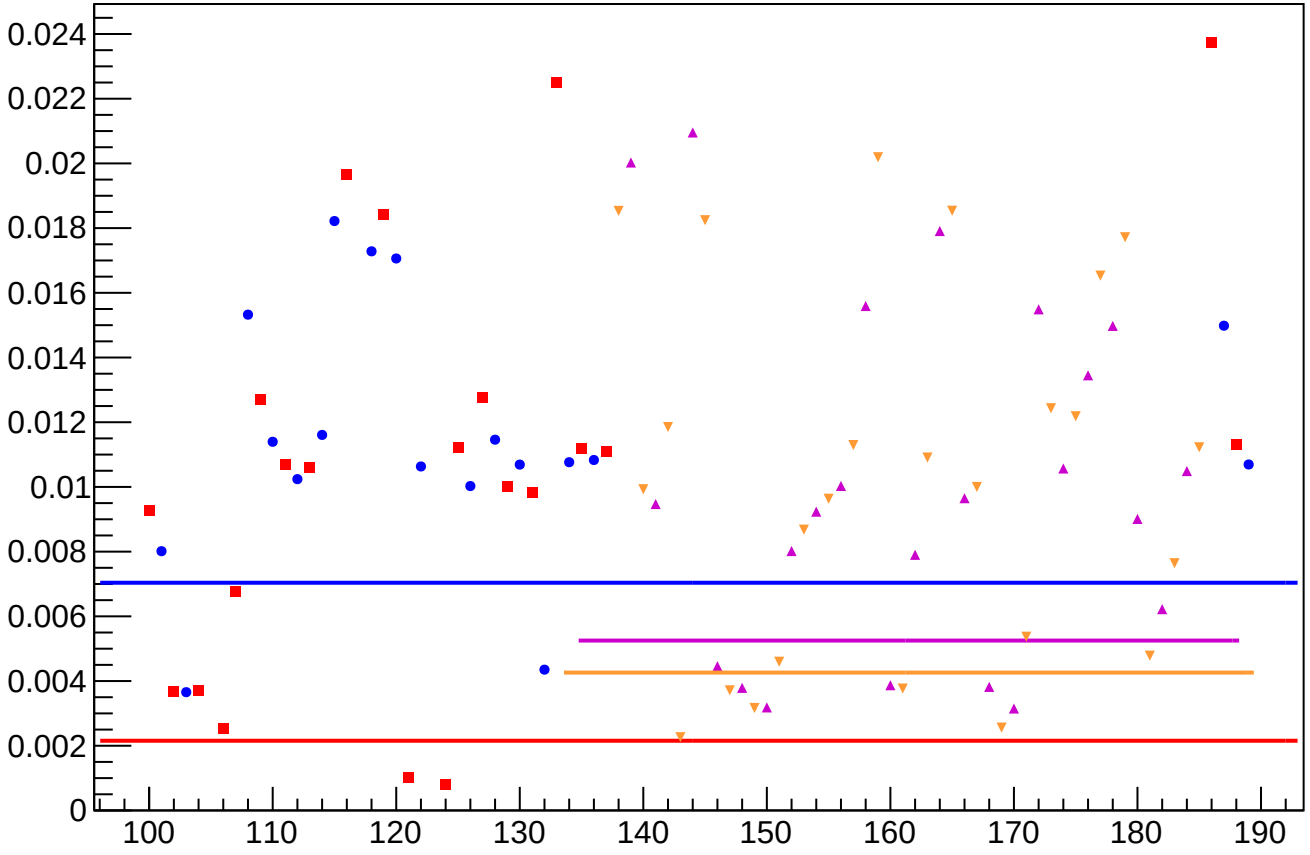
Left In: 0.000+/-0.000 χ^2/NDF:24.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 63.4/42

All: -0.000+/-0.000 χ^2/NDF: 111.9/86

- sign 0.000+/-0.000 χ^2/NDF: 46.3/43

asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 3455050.6/17

Left Out: 0.004+/-0.000 χ^2/NDF:12968514.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 10876917.2/20

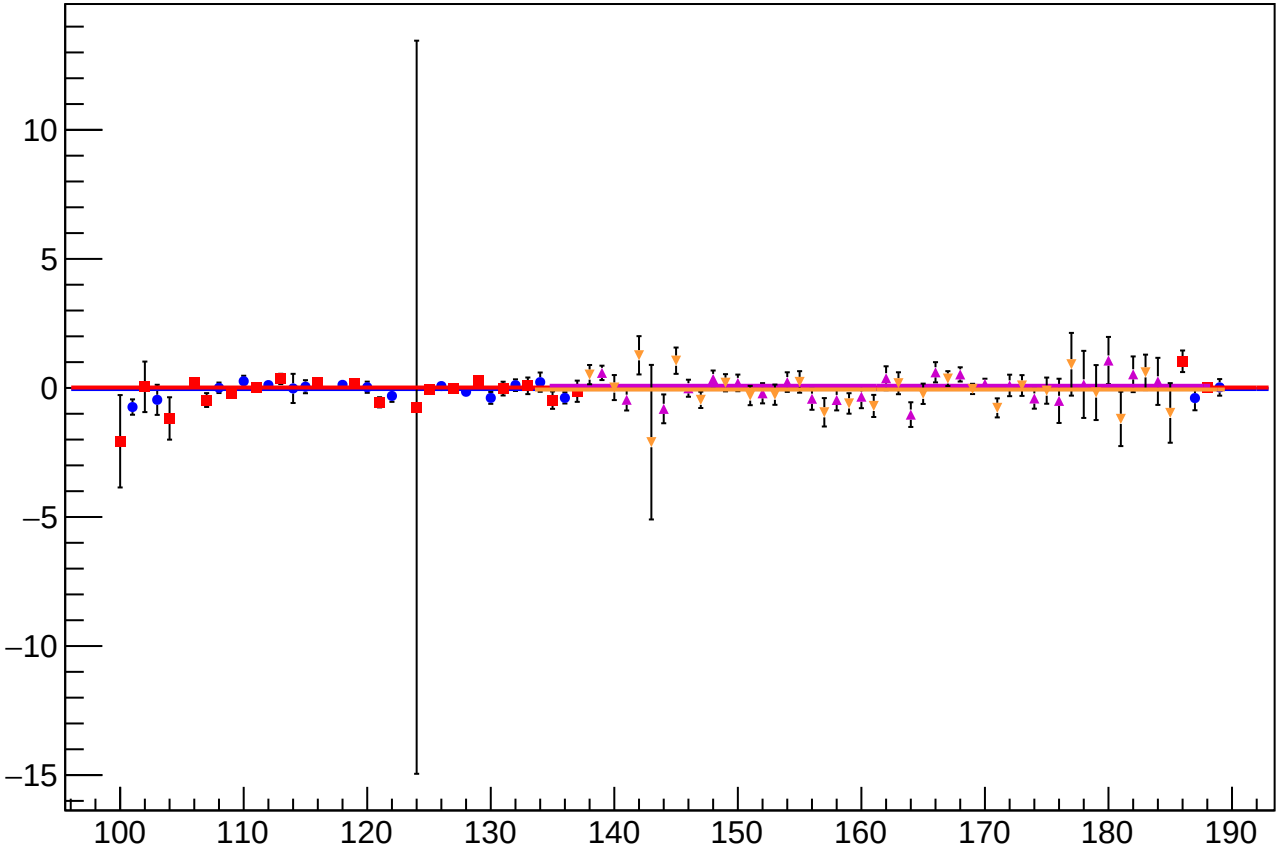
Left In: 0.005+/-0.000 χ^2/NDF:9531217.7/22

+ sign 0.005+/-0.000 χ^2/NDF: 17968283.1/42

All: 0.004+/-0.000 χ^2/NDF: 44823317.4/86

- sign 0.003+/-0.000 χ^2/NDF: 25371661.2/43

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.043+/-0.055 χ^2/NDF: 18.5/17

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.017+/-0.047 χ^2/NDF: 34.7/20

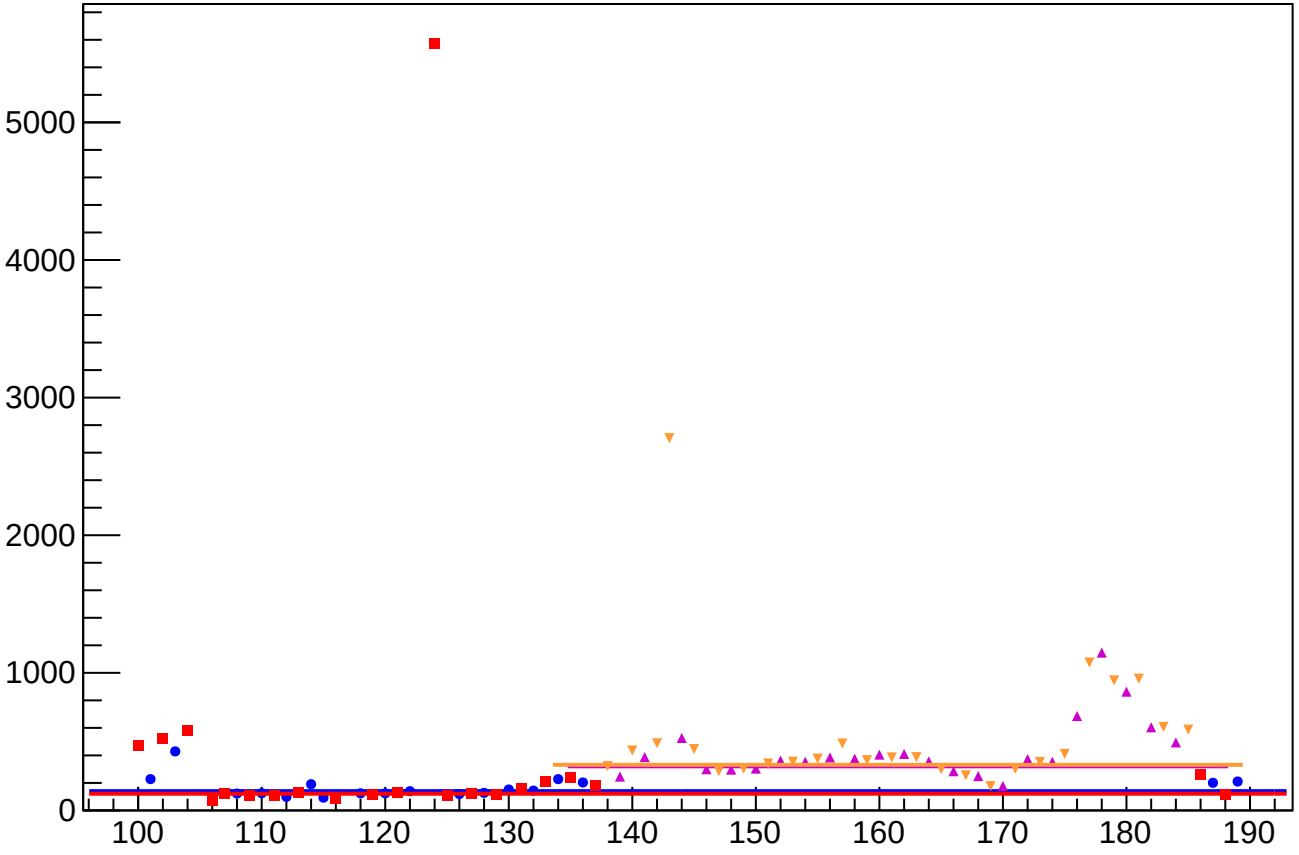
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.048+/-0.046 χ^2/NDF: 49.3/42

All: -0.002+/-0.030 χ^2/NDF: 113.3/86

- sign 0.034+/-0.041 χ^2/NDF: 62.2/43

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 140.358+/-0.039 χ^2/NDF: 1401749.6/17

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

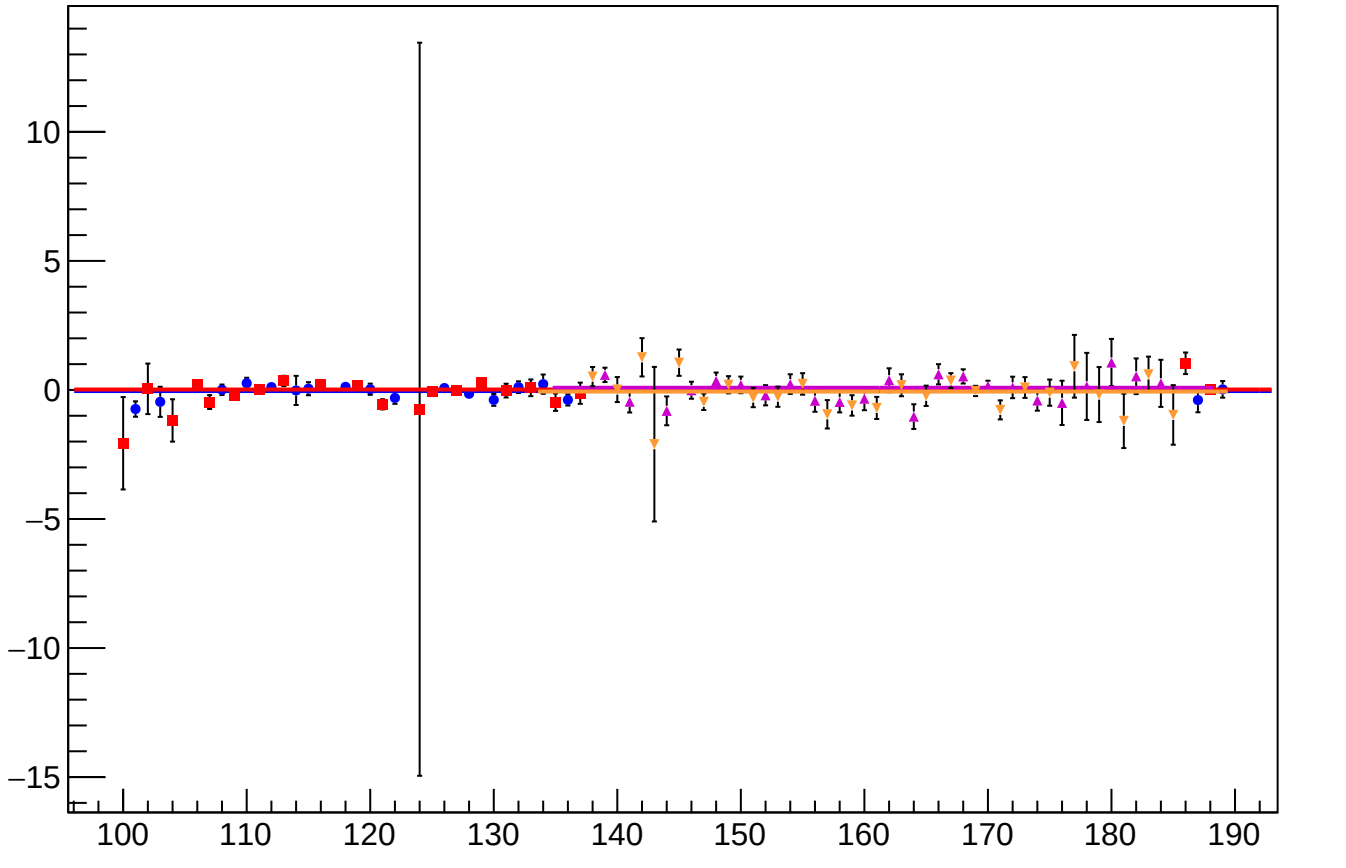
Right Out: 121.698+/-0.033 χ^2/NDF: 2371279.6/20

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

+ sign 197.512+/-0.032 χ^2/NDF: 14566792.4/42

All: 183.187+/-0.022 χ^2/NDF: 30540668.5/86

- sign 171.835+/-0.029 χ^2/NDF: 15622373.0/43



Right In: -0.043+/-0.055 χ^2/NDF: 18.5/17

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

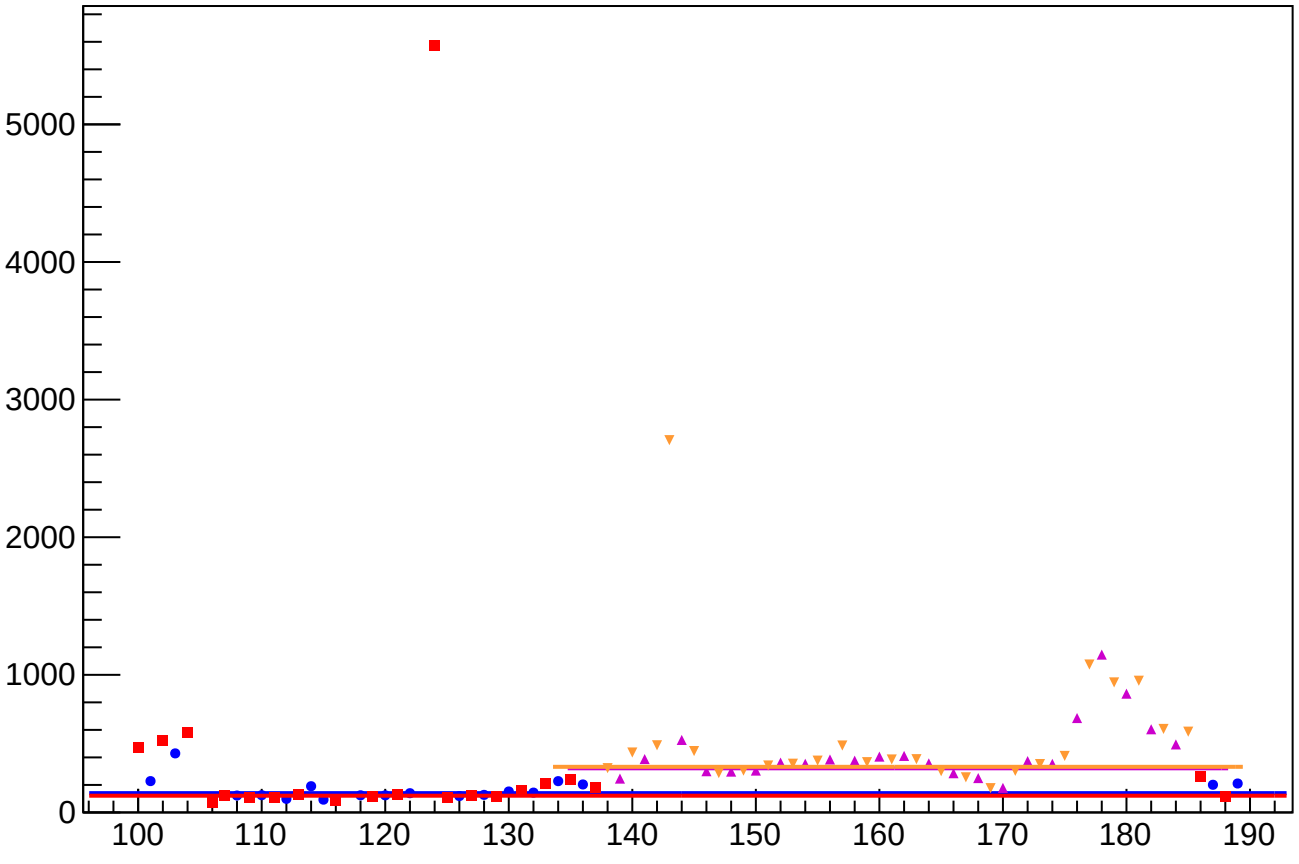
Right Out: 0.017+/-0.047 χ^2/NDF: 34.7/20

Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.048+/-0.046 χ^2/NDF: 49.3/42

All: -0.002+/-0.030 χ^2/NDF: 113.3/86

- sign 0.034+/-0.041 χ^2/NDF: 62.2/43



Right In: 140.358+/-0.039 χ^2/NDF: 1401749.6/17

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

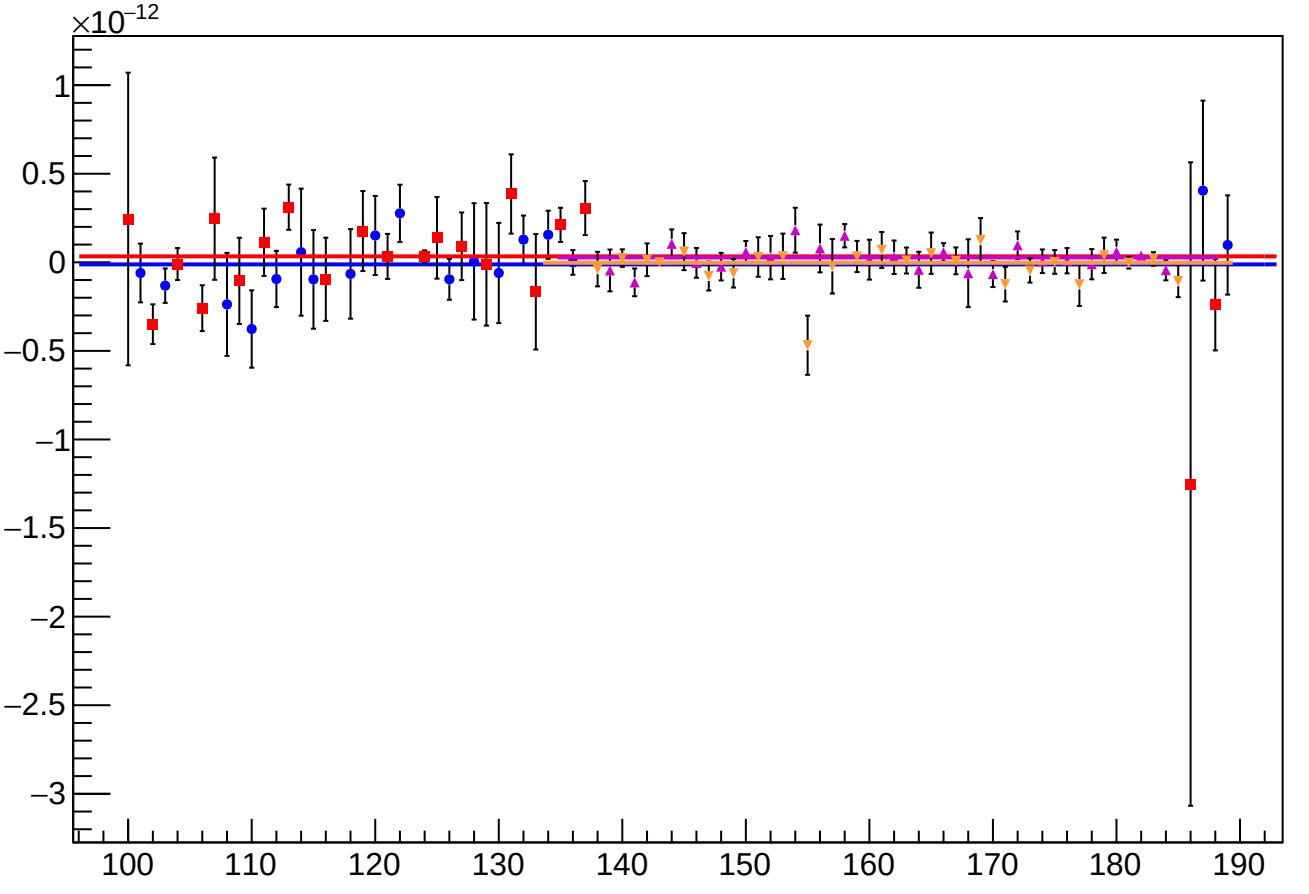
Right Out: 121.698+/-0.033 χ^2/NDF: 2371279.6/20

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

+ sign 197.512+/-0.032 χ^2/NDF: 14566792.4/42

All: 183.187+/-0.022 χ^2/NDF: 30540668.5/86

- sign 171.835+/-0.029 χ^2/NDF: 15622373.0/43



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/17

Left Out: -0.000+/-0.000 χ^2/NDF:17.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.8/20

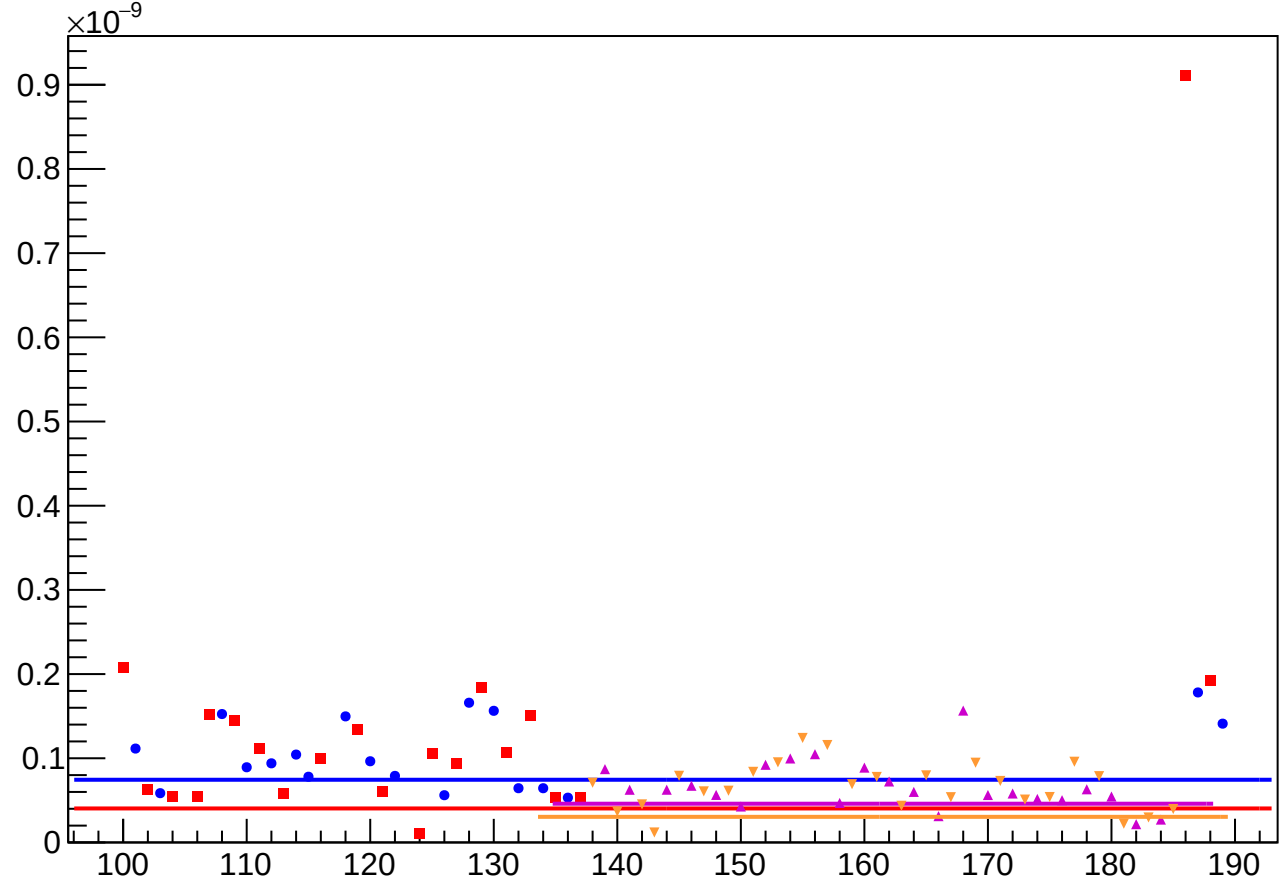
Left In: 0.000+/-0.000 χ^2/NDF:16.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 30.2/42

All: 0.000+/-0.000 χ^2/NDF: 85.0/86

- sign 0.000+/-0.000 χ^2/NDF: 50.9/43

asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1328924.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:10517831.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5433499.0/20

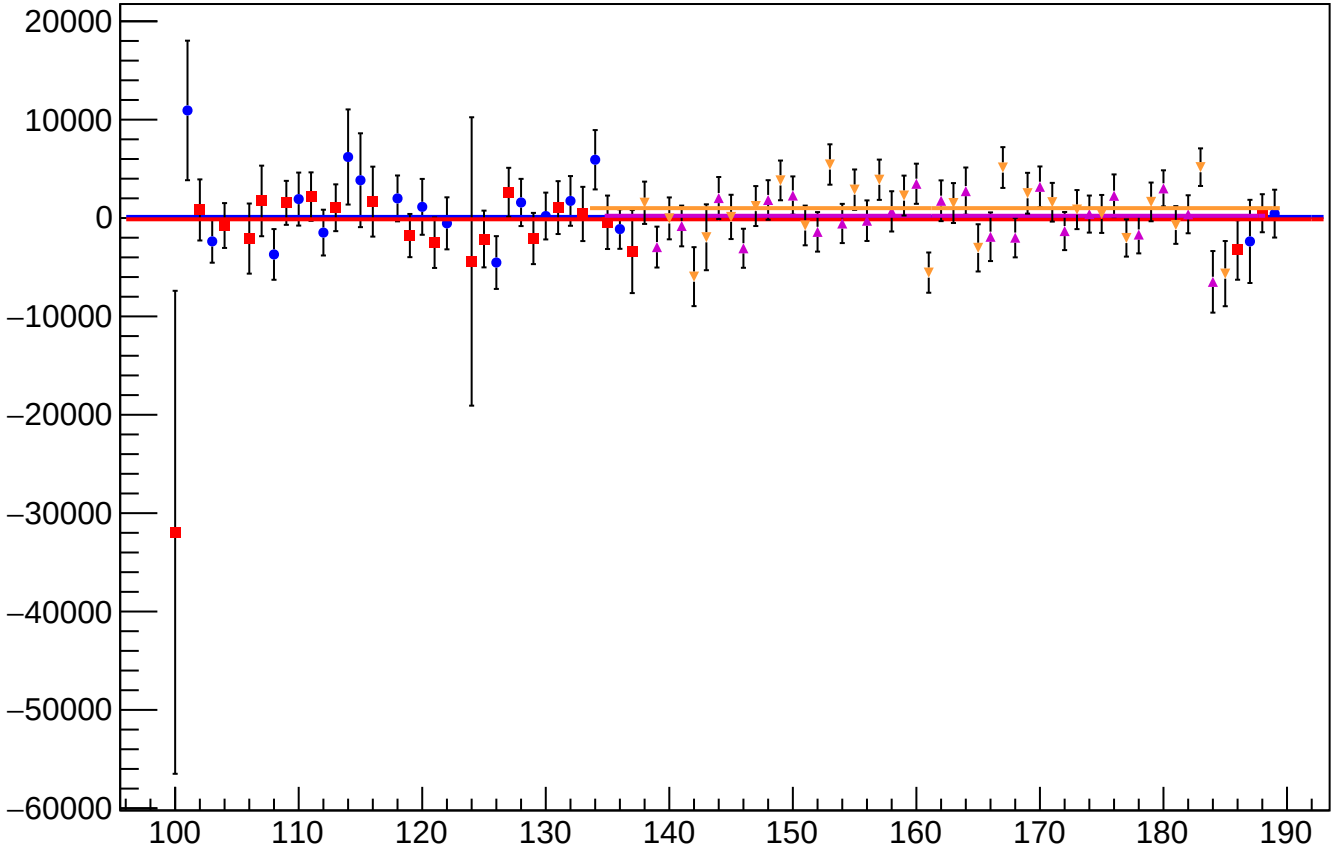
Left In: 0.000+/-0.000 χ^2/NDF:4899715.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 14484685.2/42

All: 0.000+/-0.000 χ^2/NDF: 25762872.3/86

- sign 0.000+/-0.000 χ^2/NDF: 10407961.9/43

reg_asym_atr1l2_dd_mean vs Slug



Right In: 113.725+/-635.940 χ^2/NDF: 18.0/17

Left Out: 1004.165+/-422.582 χ^2/NDF:47.4/24

Right Out: -129.182+/-607.951 χ^2/NDF: 10.1/20

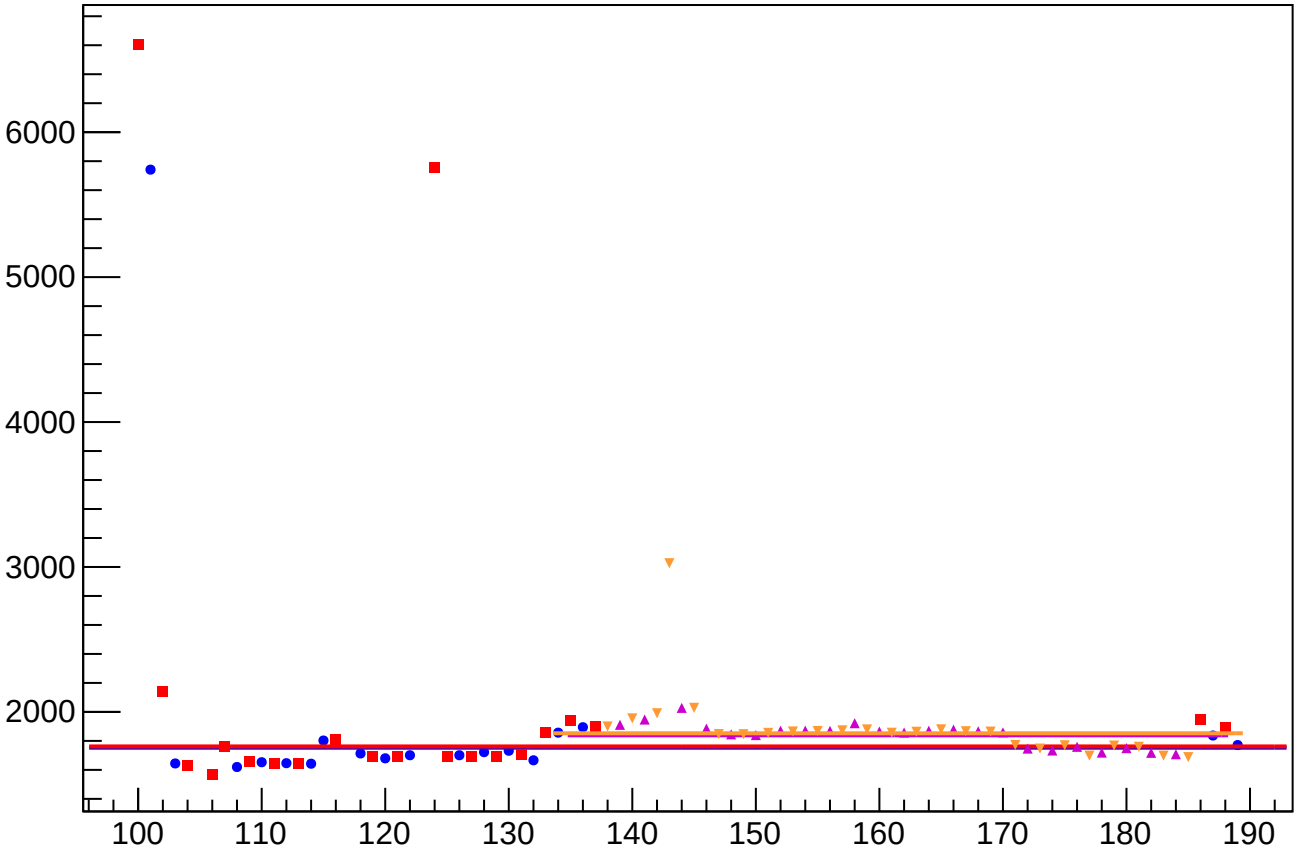
Left In: 229.321+/-429.699 χ^2/NDF:26.4/22

+ sign 731.417+/-351.961 χ^2/NDF: 66.8/42

All: 419.713+/-248.498 χ^2/NDF: 105.1/86

- sign 109.890+/-350.898 χ^2/NDF: 36.7/43

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1753.305+/-0.450 χ^2/NDF: 670524.3/17

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

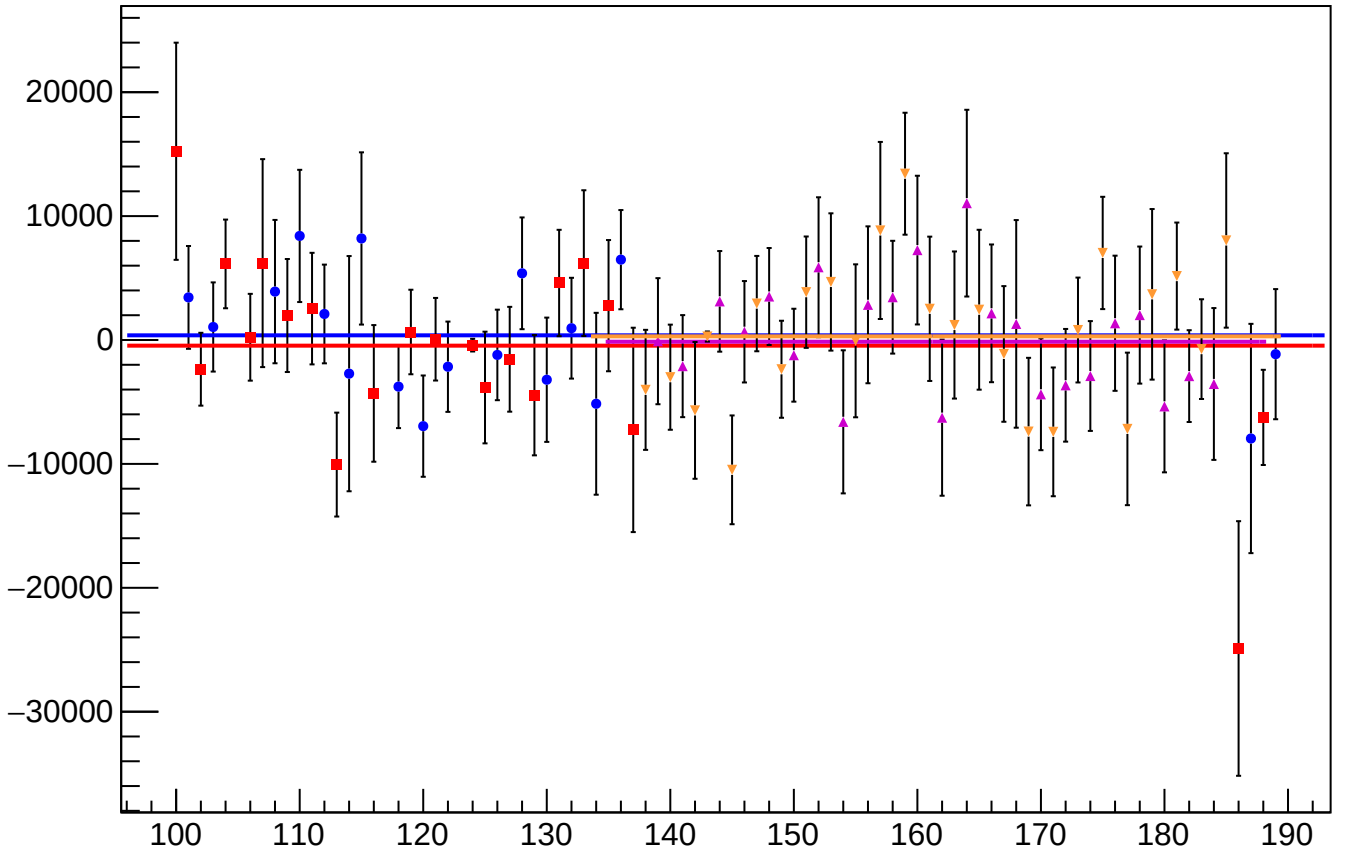
Right Out: 1761.796+/-0.427 χ^2/NDF: 323648.1/20

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1822.139+/-0.249 χ^2/NDF: 1025341.9/42

All: 1817.420+/-0.176 χ^2/NDF: 1439609.8/86

- sign 1812.749+/-0.248 χ^2/NDF: 413552.4/43



Right In: 377.560+/-1070.490 χ^2/NDF: 15.7/17

Left Out: 294.407+/-379.922 χ^2/NDF:30.0/24

Right Out: -456.431+/-454.283 χ^2/NDF: 27.2/20

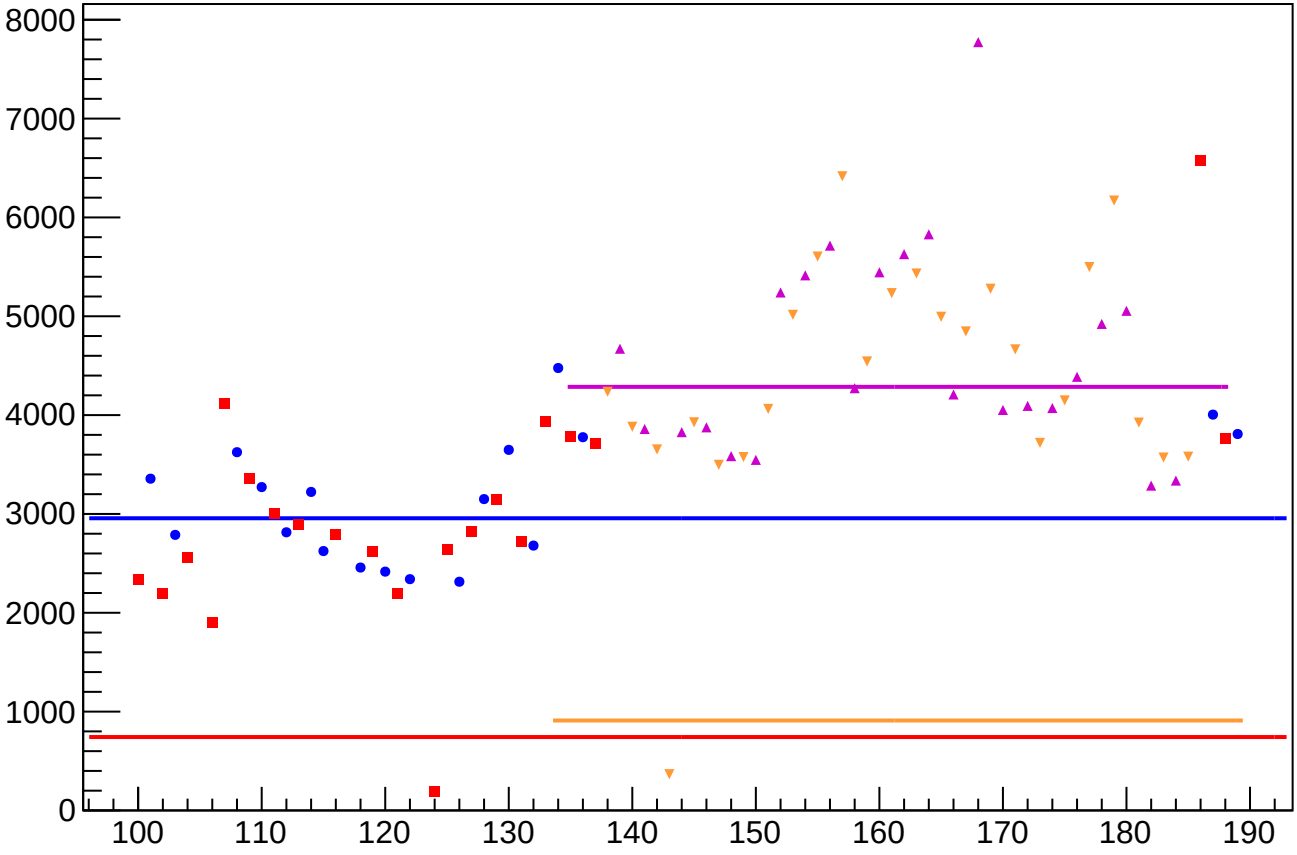
Left In: -138.350+/-1022.943 χ^2/NDF:13.9/22

+ sign 303.709+/-358.041 χ^2/NDF: 45.8/42

All: 1.856+/-271.144 χ^2/NDF: 88.6/86

- sign -404.033+/-415.183 χ^2/NDF: 41.2/43

asym_atr1l2_dd_reg_correction_rms vs Slug



Right In: 2956.384+/-0.757 χ^2/NDF: 562657.4/17

Left Out: 910.135+/-0.269 χ^2/NDF:26774123.9/24

Right Out: 742.831+/-0.321 χ^2/NDF: 12057508.6/20

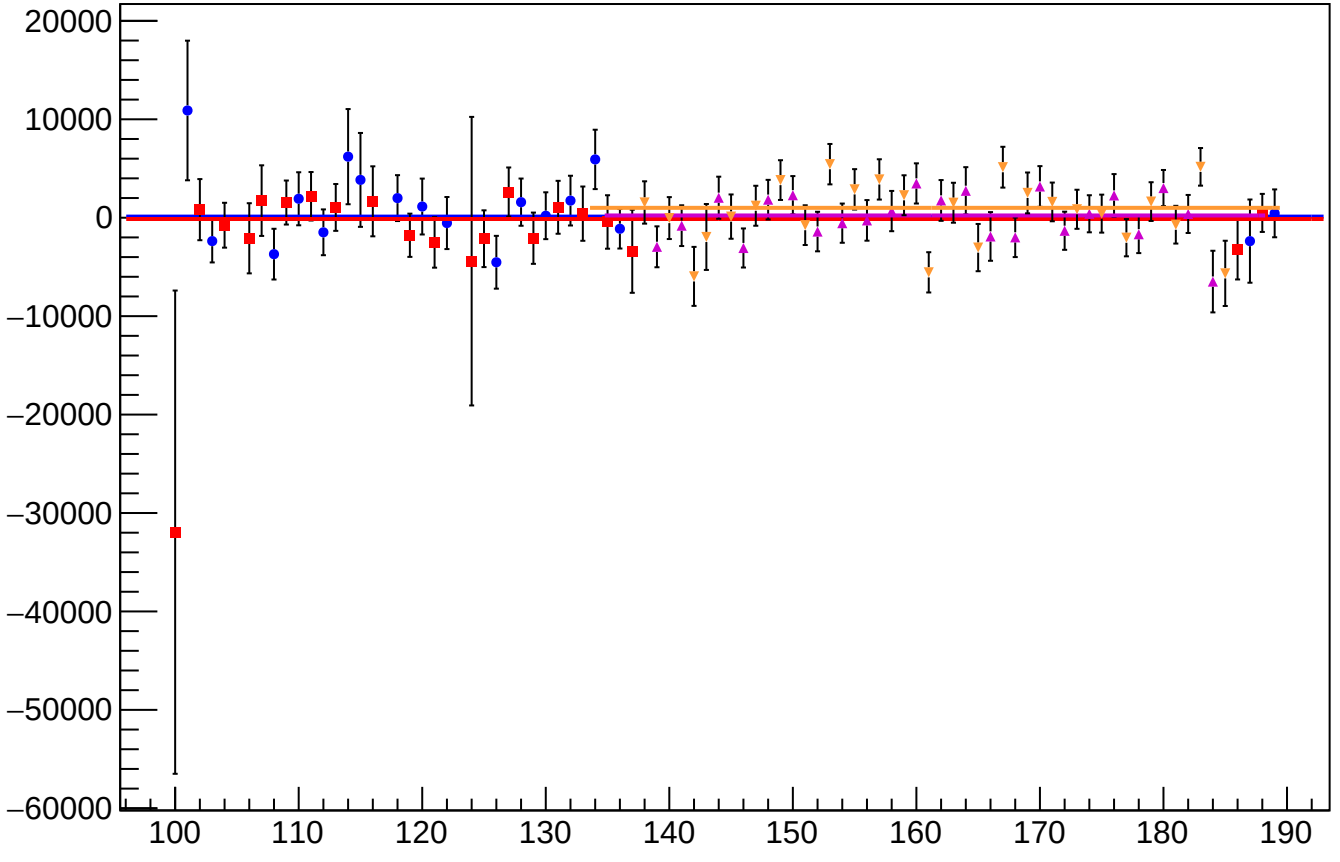
Left In: 4285.839+/-0.723 χ^2/NDF:1327947.9/22

+ sign 1139.043+/-0.253 χ^2/NDF: 33827007.5/42

All: 1218.983+/-0.192 χ^2/NDF: 67486220.0/8

- sign 1326.476+/-0.294 χ^2/NDF: 33425449.6/43

cor_asym_atr1l2_dd_mean vs Slug



Right In: 113.276+/-635.940 χ^2/NDF: 18.0/17

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: -129.184+/-607.951 χ^2/NDF: 10.1/20

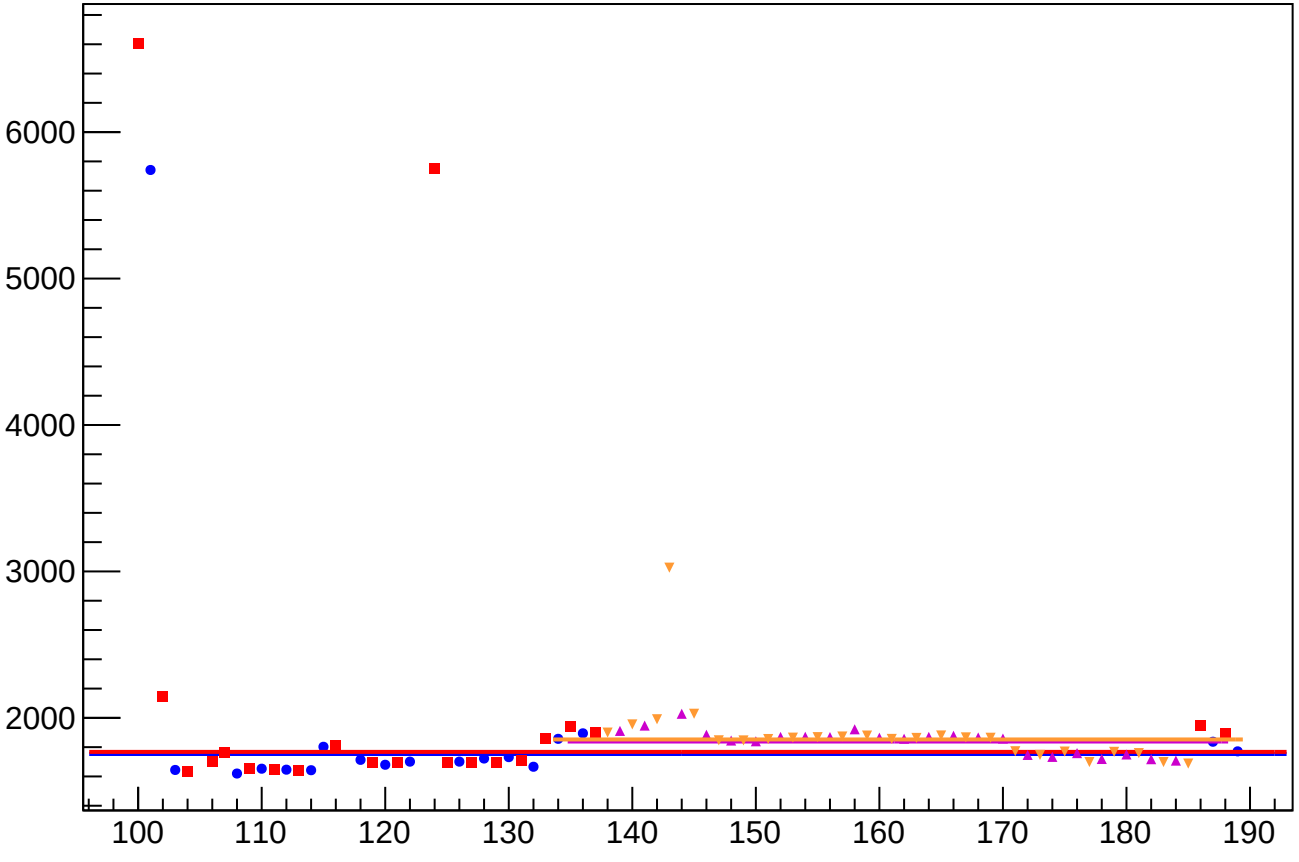
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 731.251+/-351.961 χ^2/NDF: 66.7/42

All: 419.602+/-248.498 χ^2/NDF: 105.0/86

- sign 109.832+/-350.898 χ^2/NDF: 36.7/43

cor_asym_atr1l2_dd_rms vs Slug



Right In: 1753.304+/-0.450 χ^2/NDF: 670524.5/17

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1767.711+/-0.429 χ^2/NDF: 315670.8/20

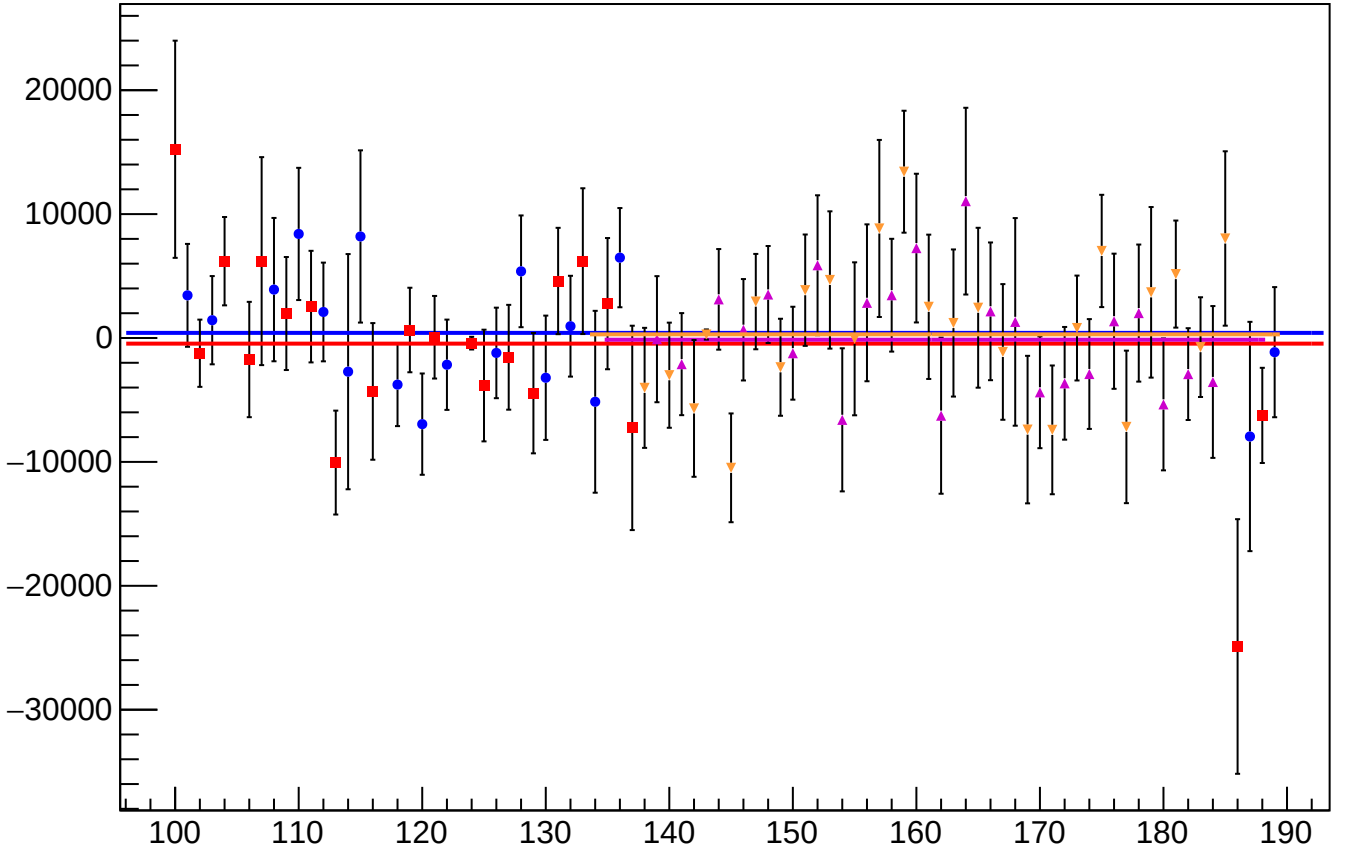
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1822.139+/-0.249 χ^2/NDF: 1025342.3/42

All: 1818.472+/-0.176 χ^2/NDF: 1428098.5/86

- sign 1814.835+/-0.248 χ^2/NDF: 402323.7/43

asym_atr1l2_dd_cor_correction_mean vs Slug



Right In: 413.666+/-1069.536 χ^2/NDF: 15.8/17

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: -454.579+/-455.175 χ^2/NDF: 27.0/20

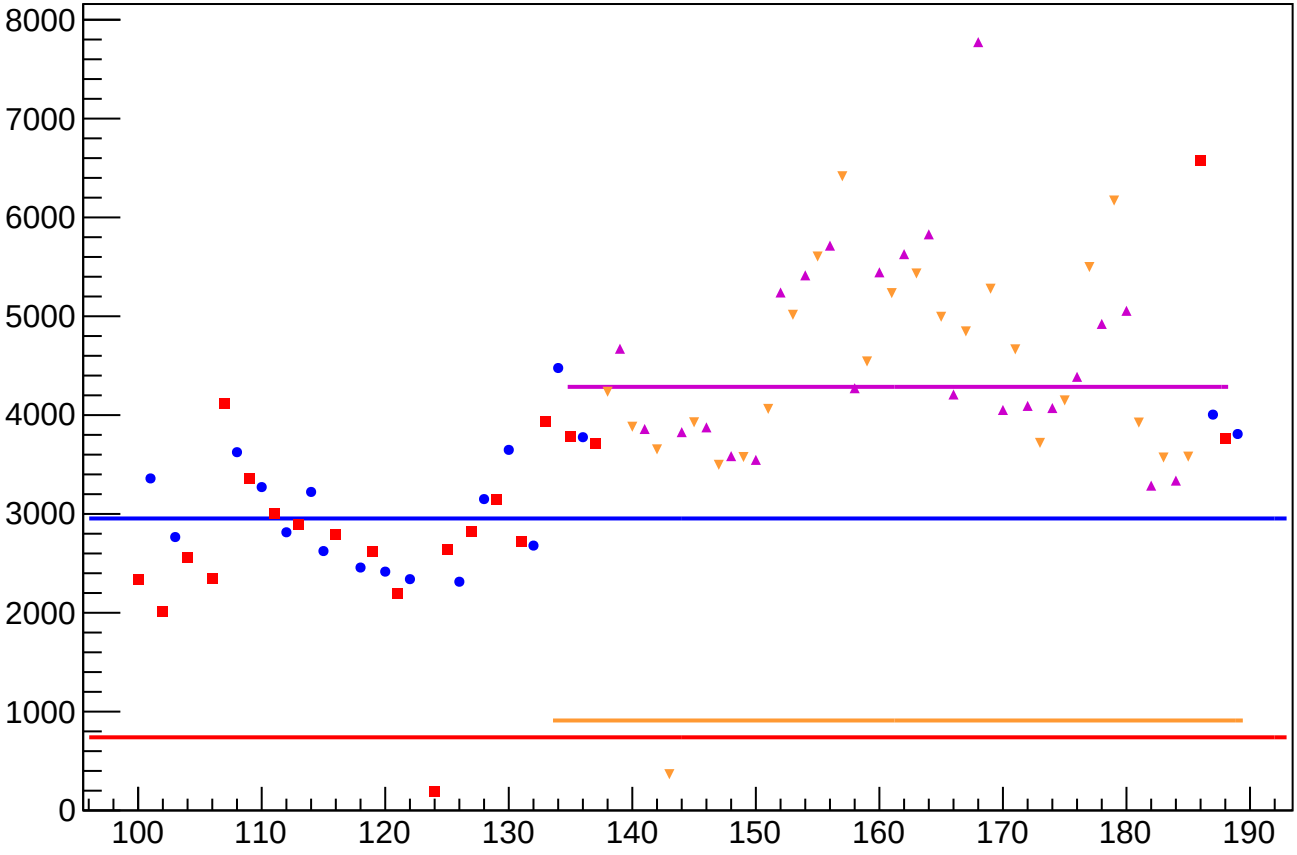
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 308.571+/-358.030 χ^2/NDF: 45.8/42

All: 5.963+/-271.328 χ^2/NDF: 88.5/86

- sign -402.302+/-415.864 χ^2/NDF: 41.0/43

asym_atr1l2_dd_cor_correction_rms vs Slug



Right In: 2954.213+/-0.756 χ^2/NDF: 564204.6/17

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 740.032+/-0.322 χ^2/NDF: 12017461.4/20

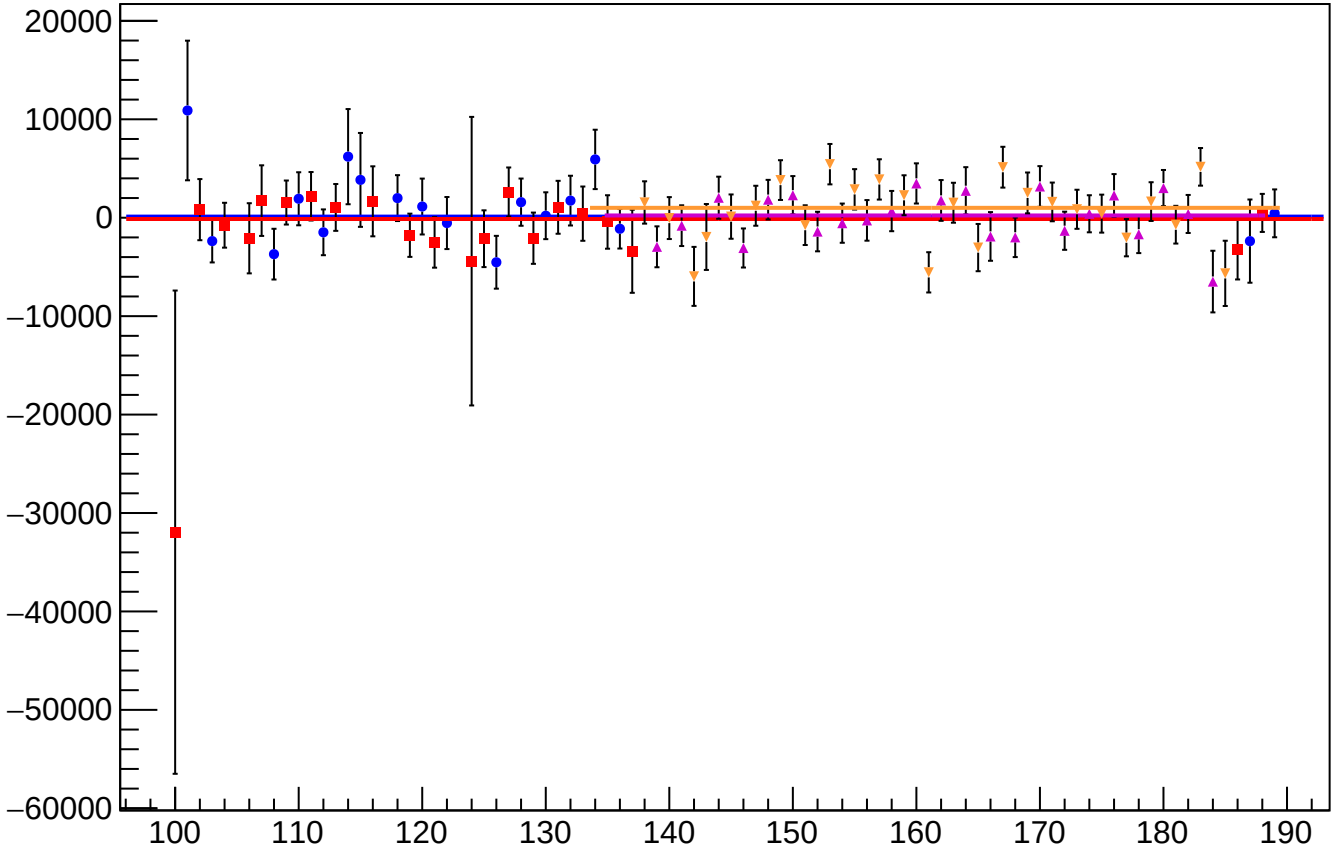
Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1139.298+/-0.253 χ^2/NDF: 33823028.0/42

All: 1218.798+/-0.192 χ^2/NDF: 67458728.6/8

- sign 1326.056+/-0.294 χ^2/NDF: 33404048.6/43

eigen_cor_asym_atr1l2_dd_mean vs Slug



Right In: 113.276+/-635.940 χ^2/NDF: 18.0/17

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: -129.184+/-607.951 χ^2/NDF: 10.1/20

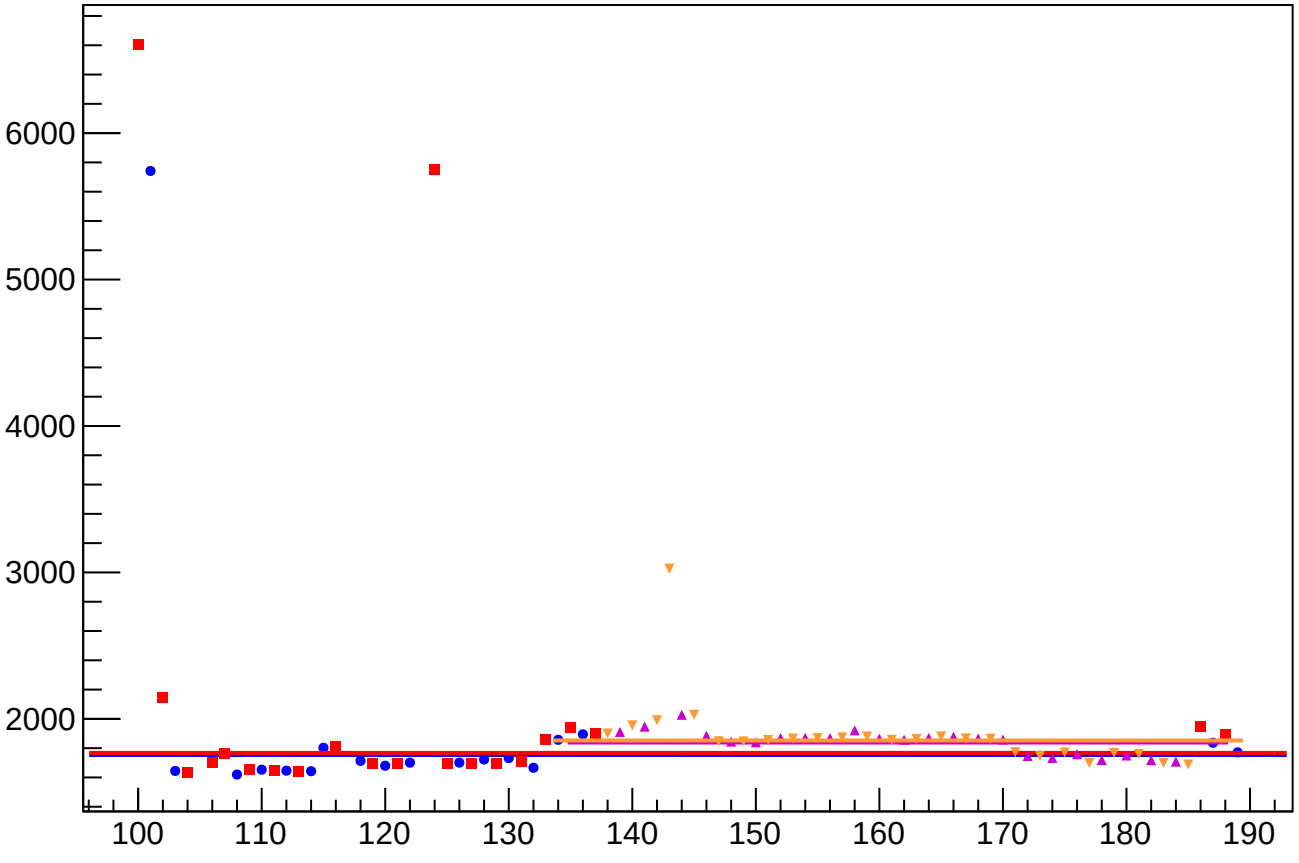
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 731.251+/-351.961 χ^2/NDF: 66.7/42

All: 419.602+/-248.498 χ^2/NDF: 105.0/86

- sign 109.832+/-350.898 χ^2/NDF: 36.7/43

eigen_cor_asym_atr1l2_dd_rms vs Slug



Right In: 1753.304+/-0.450 χ^2/NDF: 670524.5/17

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

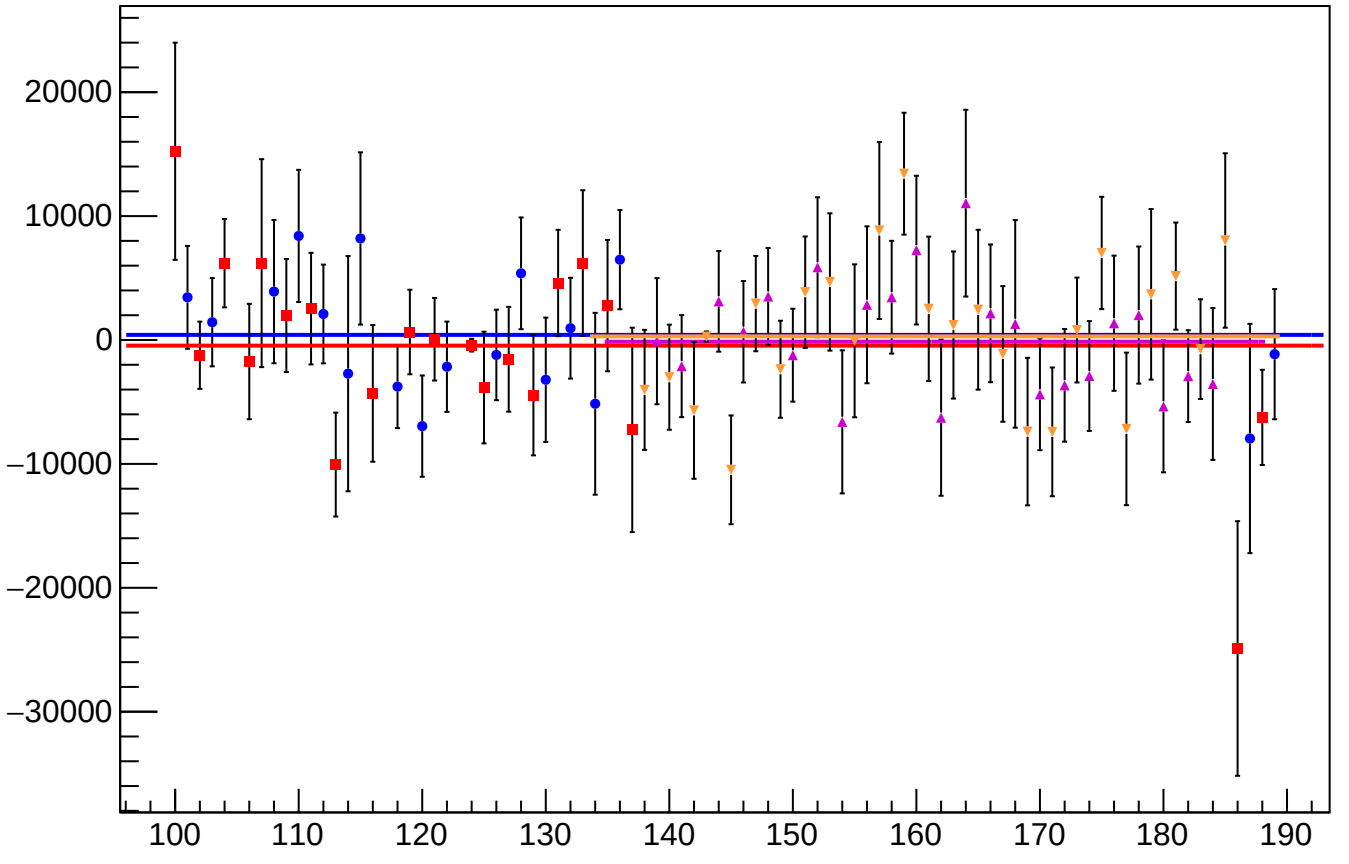
Right Out: 1767.711+/-0.429 χ^2/NDF: 315670.8/20

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1822.139+/-0.249 χ^2/NDF: 1025342.3/42

All: 1818.472+/-0.176 χ^2/NDF: 1428098.5/86

- sign 1814.835+/-0.248 χ^2/NDF: 402323.7/43



Right In: 413.666+/-1069.536 χ^2/NDF: 15.8/17

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: -454.579+/-455.175 χ^2/NDF: 27.0/20

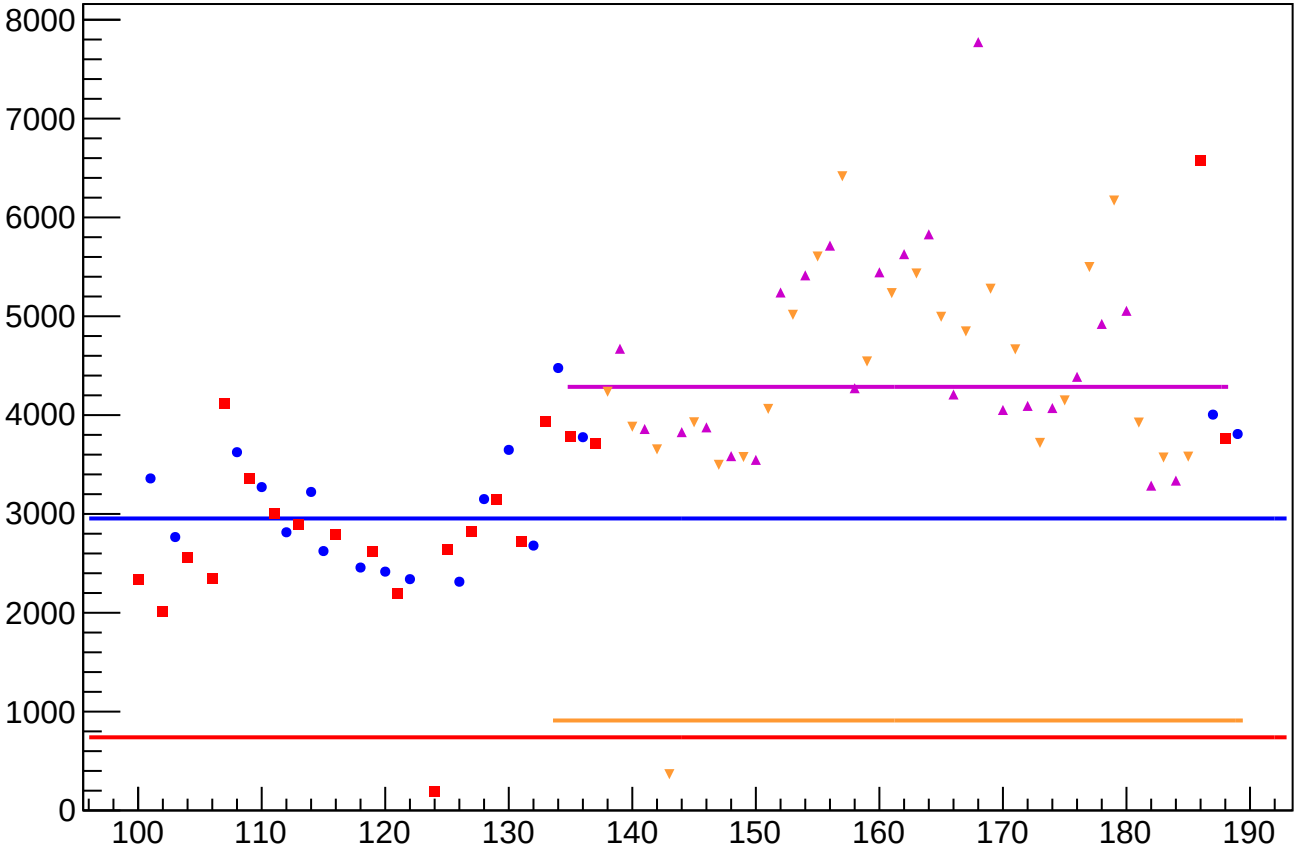
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 308.571+/-358.030 χ^2/NDF: 45.8/42

All: 5.963+/-271.328 χ^2/NDF: 88.5/86

- sign -402.302+/-415.864 χ^2/NDF: 41.0/43

asym_atr1l2_dd_eigen_cor_correction_rms vs Slug



Right In: 2954.213+/-0.756 χ^2/NDF: 564204.6/17

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 740.032+/-0.322 χ^2/NDF: 12017461.4/20

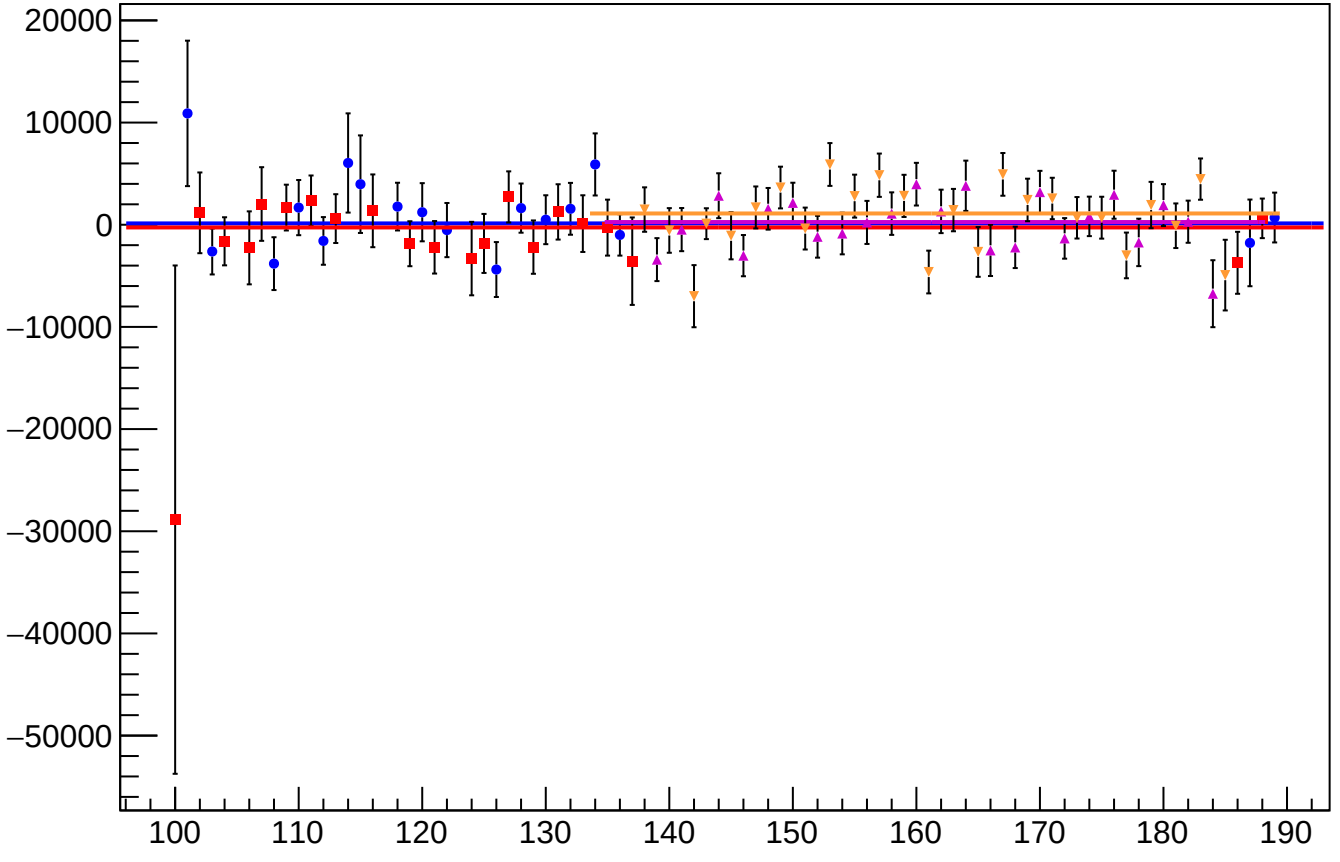
Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1139.298+/-0.253 χ^2/NDF: 33823028.0/42

All: 1218.798+/-0.192 χ^2/NDF: 67458728.6/8

- sign 1326.056+/-0.294 χ^2/NDF: 33404048.6/43

dit_asym_atr1l2_dd_mean vs Slug



Right In: 129.756+/-640.094 χ^2/NDF: 17.5/17

Left Out: 1103.308+/-425.320 χ^2/NDF:44.8/24

Right Out: -264.888+/-607.443 χ^2/NDF: 11.2/20

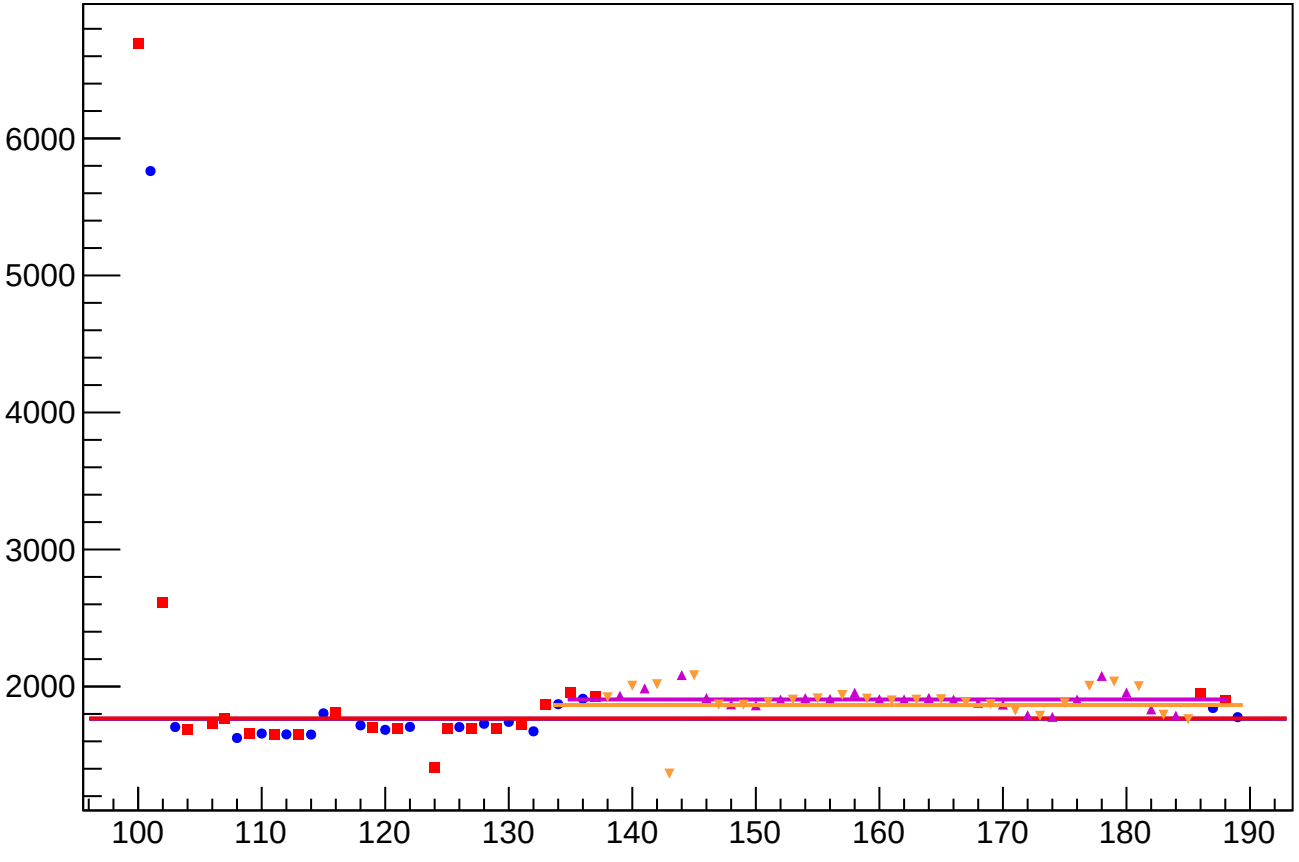
Left In: 264.609+/-445.353 χ^2/NDF:27.7/22

+ sign 805.124+/-354.247 χ^2/NDF: 63.9/42

All: 447.310+/-252.211 χ^2/NDF: 105.4/86

- sign 79.495+/-359.165 χ^2/NDF: 39.4/43

dit_asym_atr1l2_dd_rms vs Slug



Right In: 1764.895+/-0.453 χ^2/NDF: 668464.2/17

Left Out: 1864.841+/-0.301 χ^2/NDF:294712.1/24

Right Out: 1766.837+/-0.428 χ^2/NDF: 246449.2/20

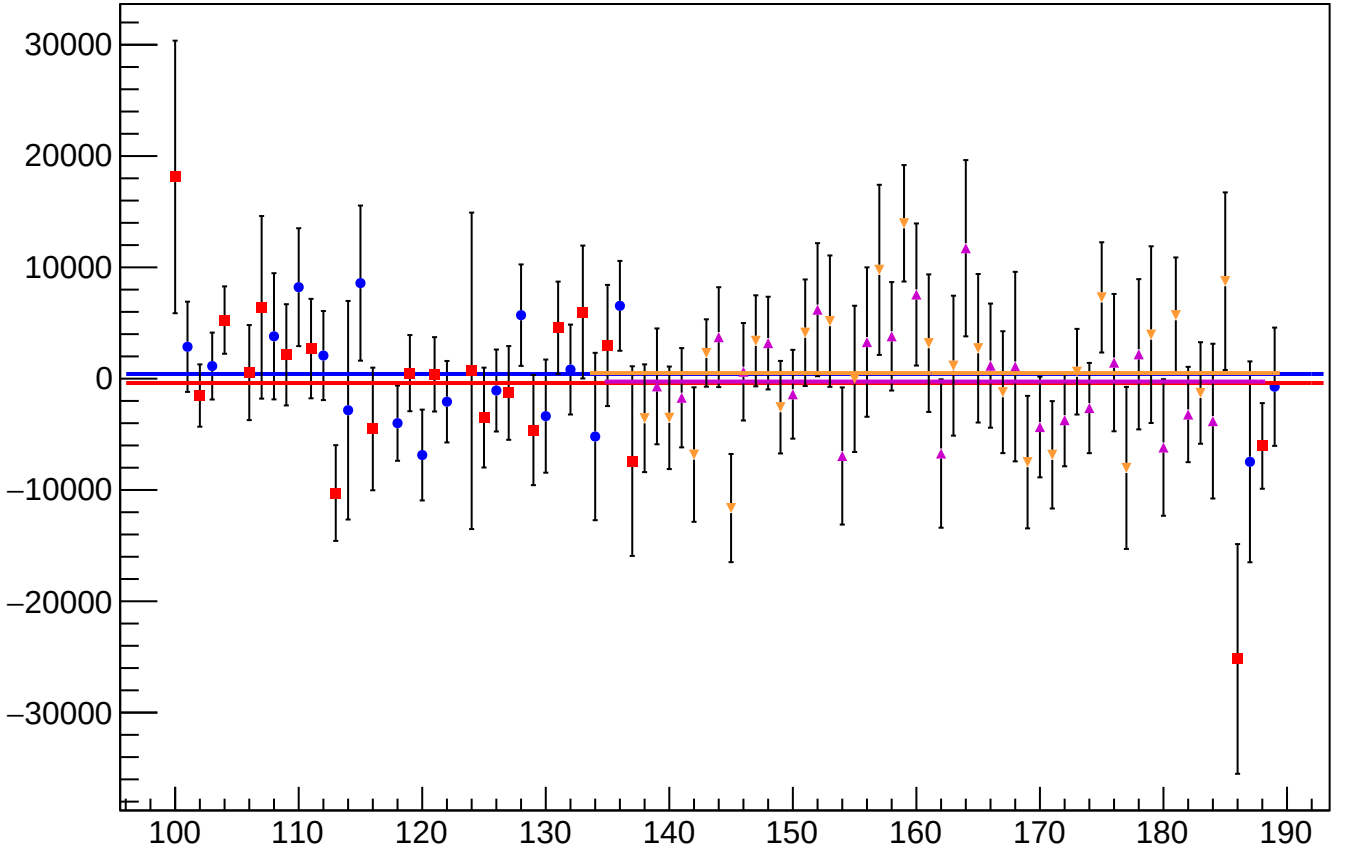
Left In: 1905.628+/-0.315 χ^2/NDF:52781.7/22

+ sign 1834.229+/-0.250 χ^2/NDF: 997002.2/42

All: 1845.442+/-0.178 χ^2/NDF: 1368420.6/86

- sign 1856.949+/-0.254 χ^2/NDF: 367358.3/43

asym_atr1l2_dd_dit_correction_mean vs Slug



Right In: 421.380+/-1052.513 χ^2/NDF: 15.7/17

Left Out: 504.261+/-1021.684 χ^2/NDF:30.1/24

Right Out: -390.491+/-982.378 χ^2/NDF: 26.2/20

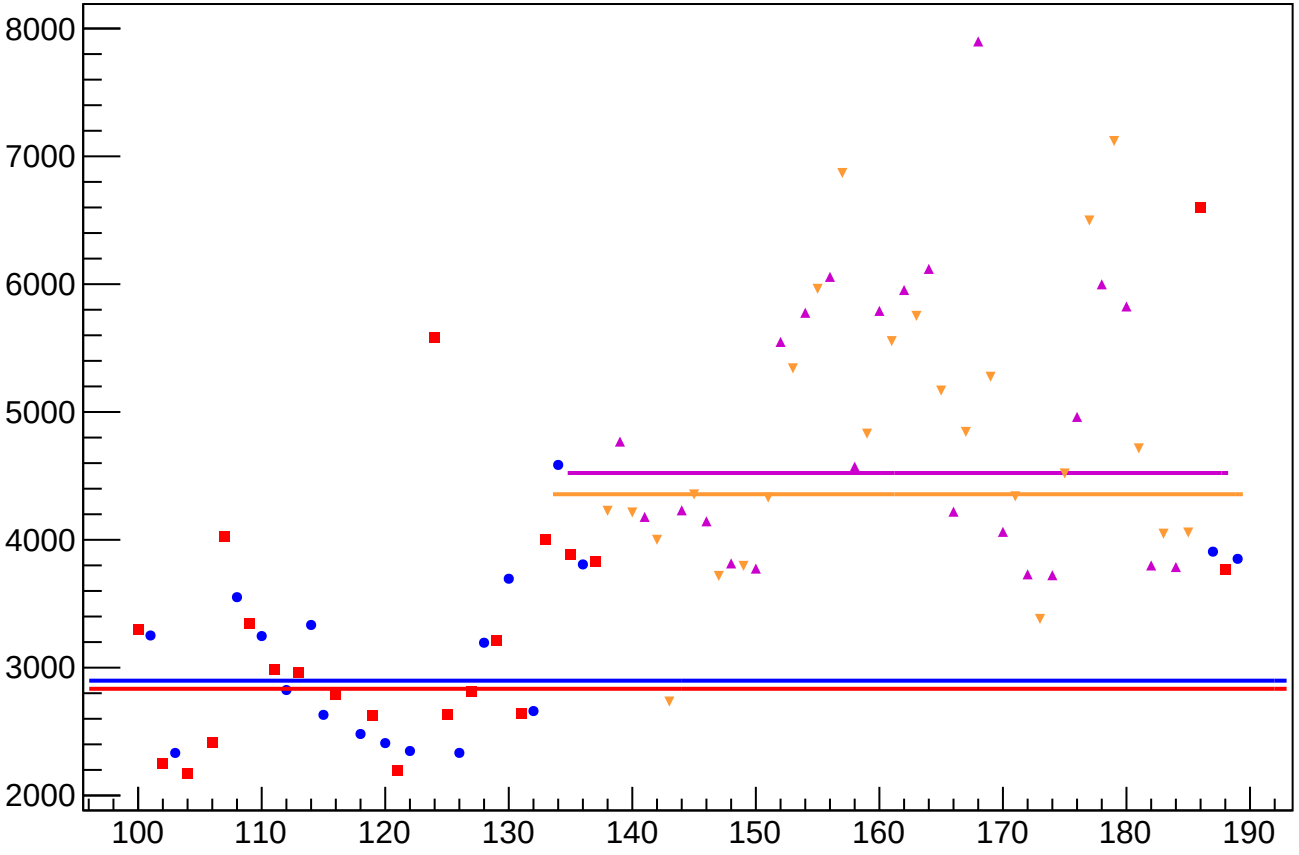
Left In: -261.050+/-1081.402 χ^2/NDF:13.6/22

+ sign 464.052+/-733.096 χ^2/NDF: 45.8/42

All: 62.796+/-516.259 χ^2/NDF: 86.2/86

- sign -331.967+/-727.140 χ^2/NDF: 39.9/43

asym_atr1l2_dd_dit_correction_rms vs Slug



Right In: 2898.147+/-0.744 χ^2/NDF: 636412.1/17

Left Out: 4356.643+/-0.722 χ^2/NDF:1912322.9/24

Right Out: 2834.605+/-0.695 χ^2/NDF: 1015530.8/20

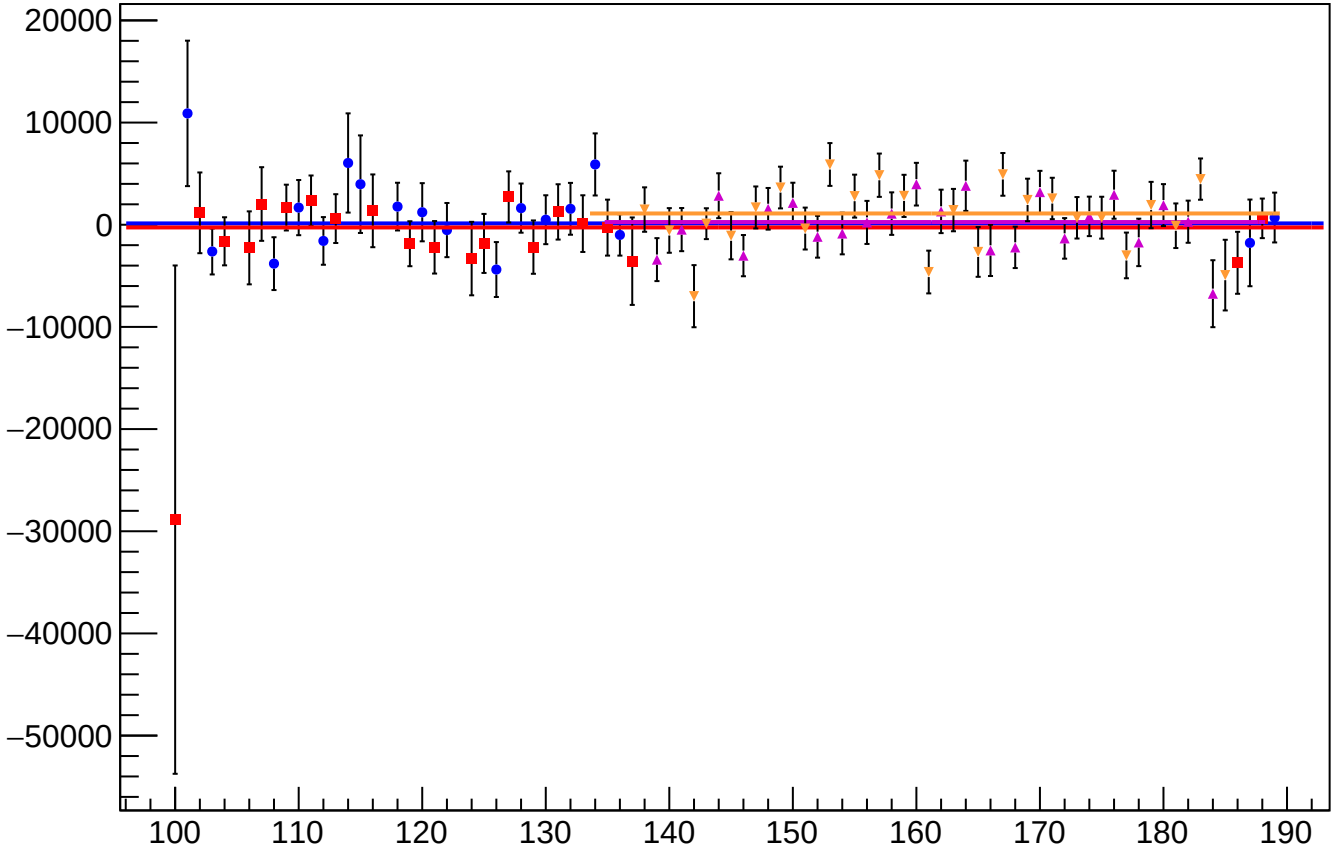
Left In: 4522.787+/-0.765 χ^2/NDF:1434008.9/22

+ sign 3649.068+/-0.518 χ^2/NDF: 4526045.6/42

All: 3623.265+/-0.365 χ^2/NDF: 9650880.3/86

- sign 3597.880+/-0.514 χ^2/NDF: 5119919.5/43

eigen_dit_asym_atr1l2_dd_mean vs Slug



Right In: 129.754+/-640.094 χ^2/NDF: 17.5/17

Left Out: 1103.310+/-425.321 χ^2/NDF:44.8/24

Right Out: -264.884+/-607.443 χ^2/NDF: 11.2/20

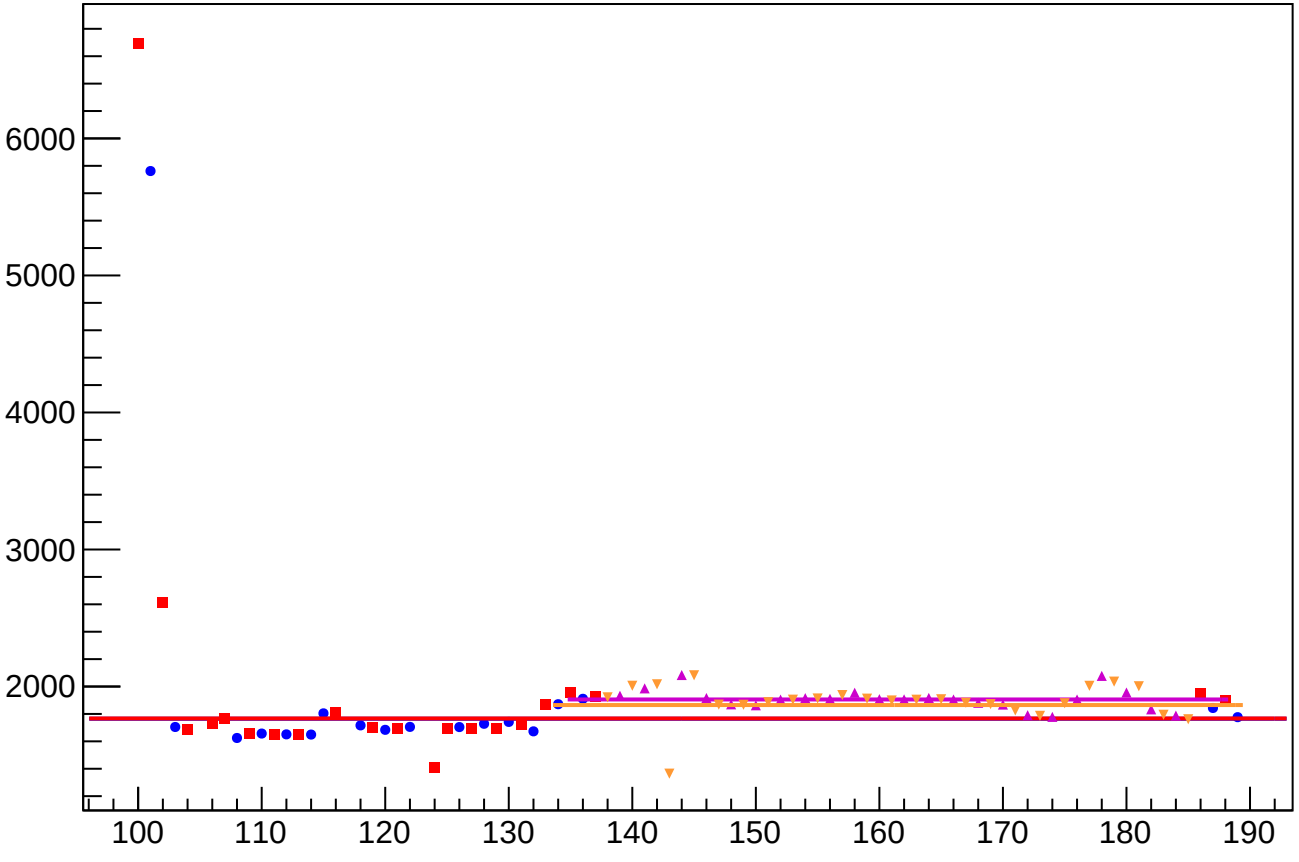
Left In: 264.609+/-445.354 χ^2/NDF:27.7/22

+ sign 805.124+/-354.248 χ^2/NDF: 63.9/42

All: 447.311+/-252.211 χ^2/NDF: 105.4/86

- sign 79.496+/-359.165 χ^2/NDF: 39.4/43

eigen_dit_asym_atr1l2_dd_rms vs Slug



Right In: 1764.895+/-0.453 χ^2/NDF: 668464.2/17

Left Out: 1864.842+/-0.301 χ^2/NDF:294715.4/24

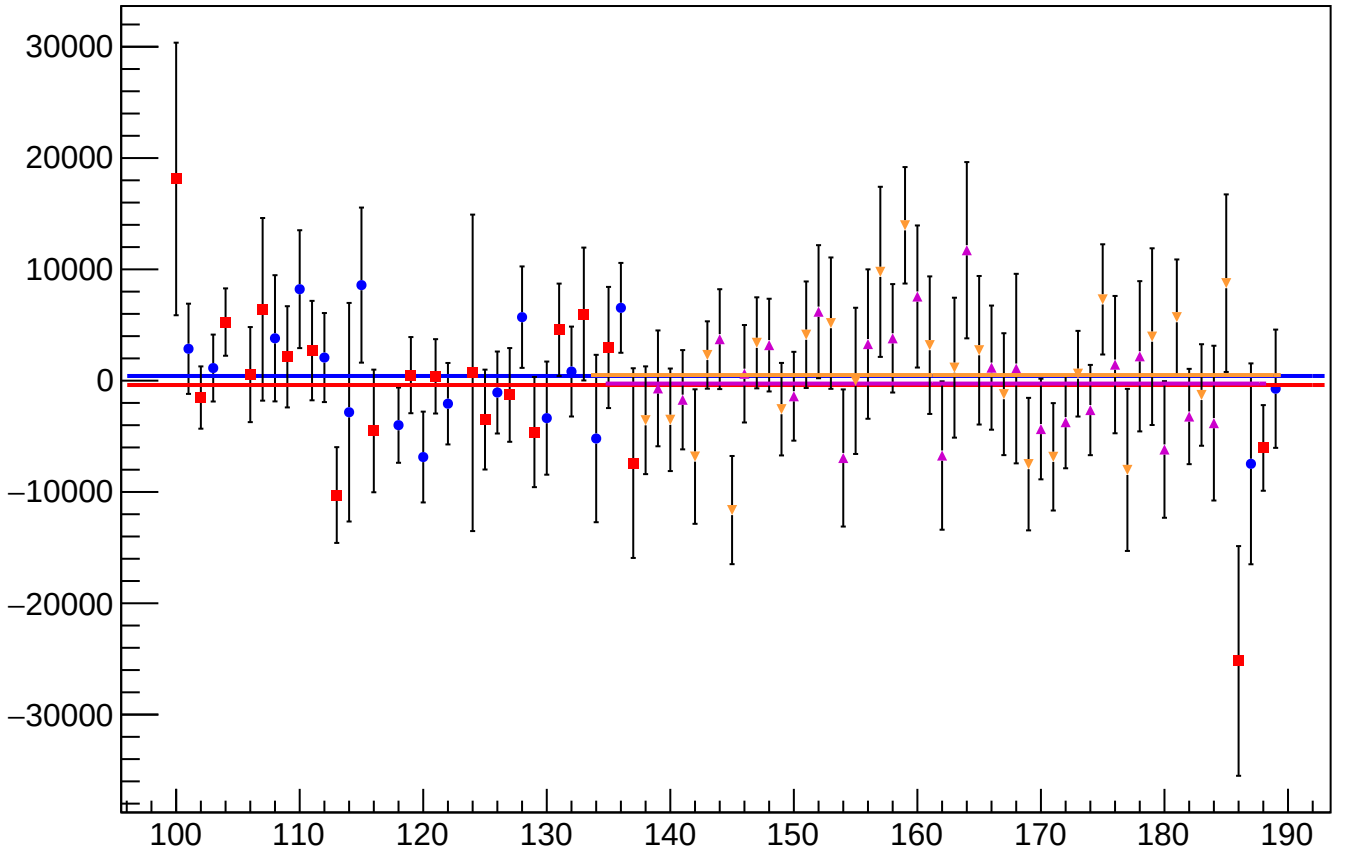
Right Out: 1766.837+/-0.428 χ^2/NDF: 246449.2/20

Left In: 1905.629+/-0.315 χ^2/NDF:52783.9/22

+ sign 1834.230+/-0.250 χ^2/NDF: 997006.2/42

All: 1845.443+/-0.178 χ^2/NDF: 1368427.9/86

- sign 1856.949+/-0.254 χ^2/NDF: 367361.6/43



Right In: 421.377+/-1052.510 χ^2/NDF: 15.7/17

Left Out: 504.265+/-1021.686 χ^2/NDF:30.1/24

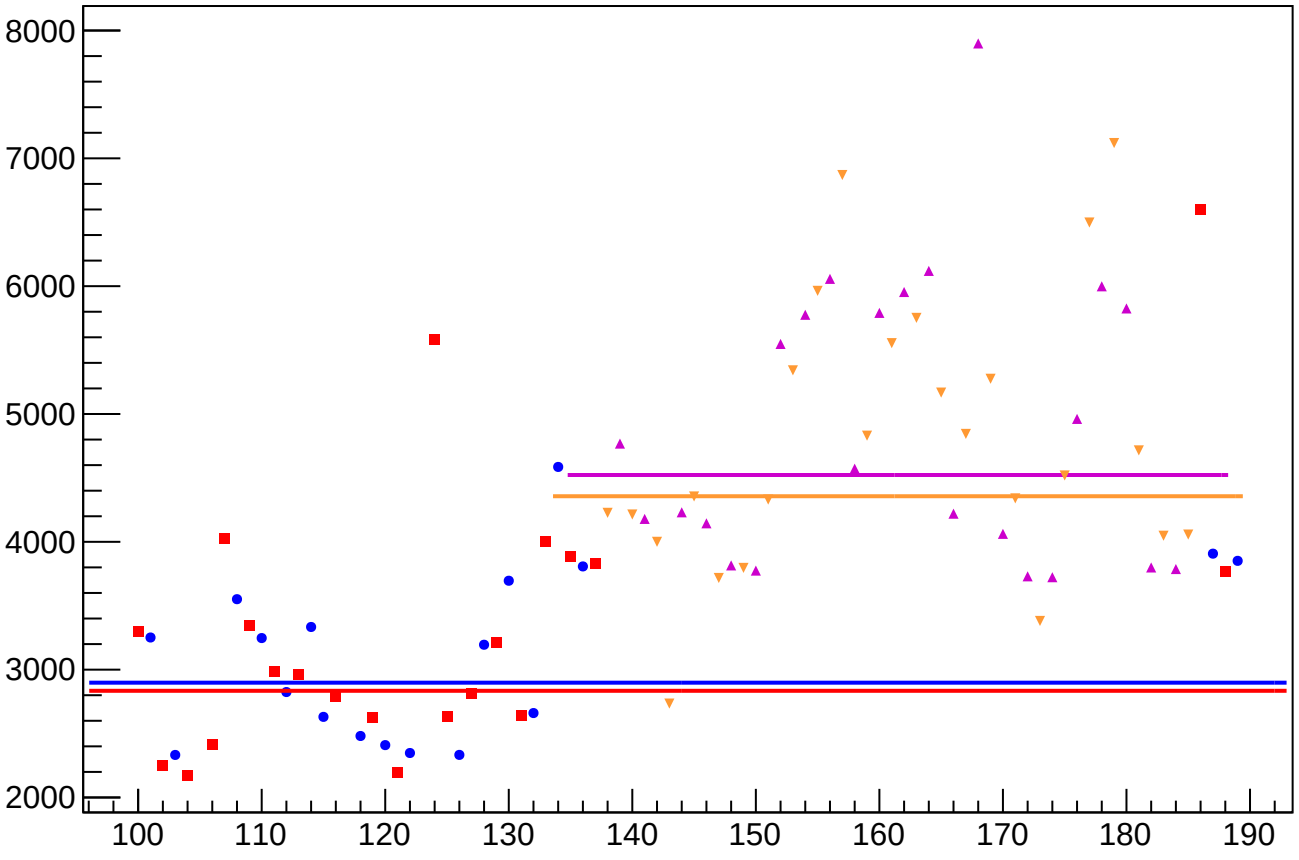
Right Out: -390.489+/-982.377 χ^2/NDF: 26.2/20

Left In: -261.051+/-1081.404 χ^2/NDF:13.6/22

+ sign 464.052+/-733.096 χ^2/NDF: 45.8/42

All: 62.796+/-516.259 χ^2/NDF: 86.2/86

- sign -331.966+/-727.140 χ^2/NDF: 39.9/43



Right In: 2898.139+/-0.744 χ^2/NDF: 636417.1/17

Left Out: 4356.650+/-0.722 χ^2/NDF:1912327.4/24

Right Out: 2834.599+/-0.695 χ^2/NDF: 1015531.3/20

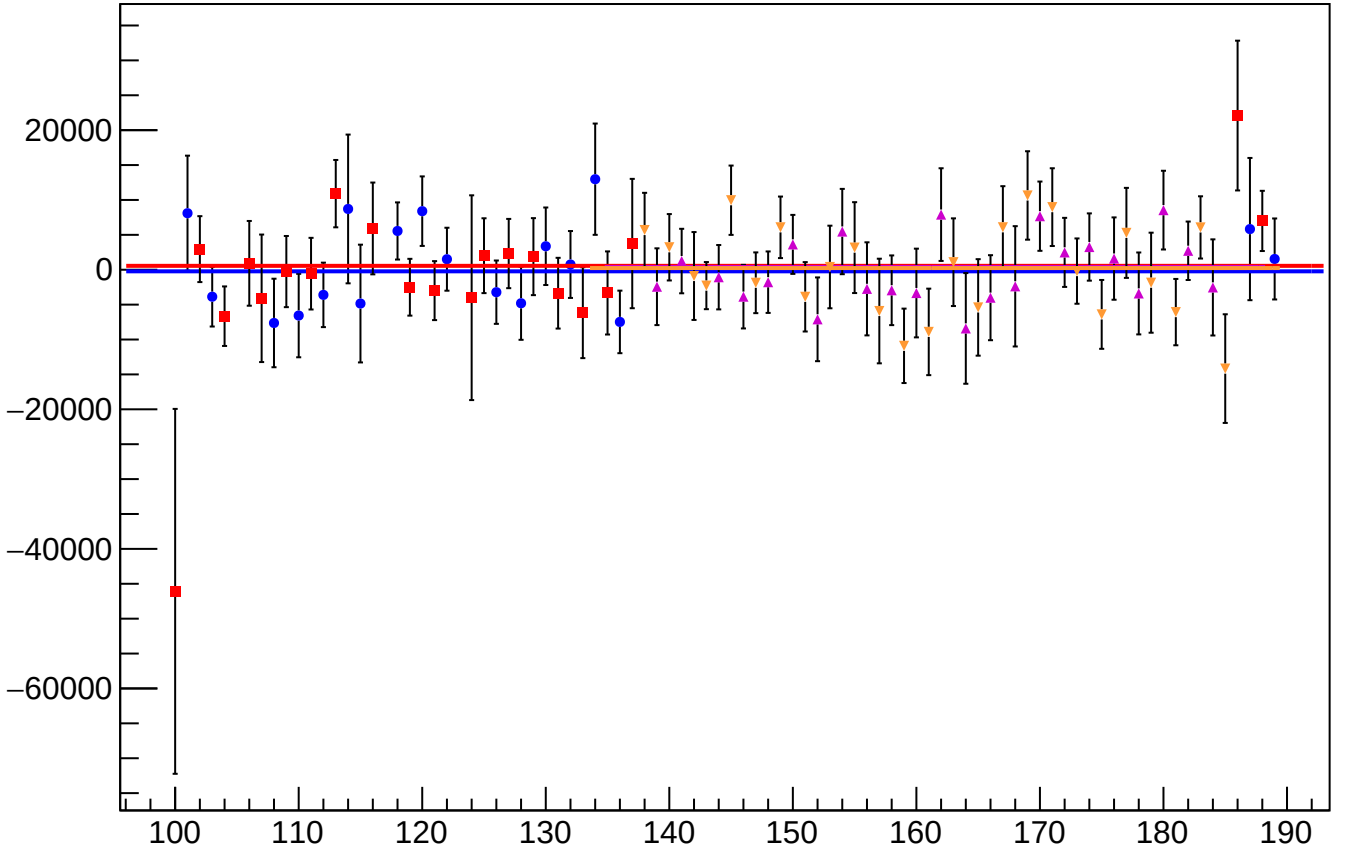
Left In: 4522.795+/-0.765 χ^2/NDF:1434009.9/22

+ sign 3649.065+/-0.518 χ^2/NDF: 4526096.1/42

All: 3623.263+/-0.365 χ^2/NDF: 9650973.4/86

- sign 3597.878+/-0.514 χ^2/NDF: 5119962.2/43

asym_atr1l2_dd_mean vs Slug



Right In: -227.781+/-1283.549 χ^2/NDF: 18.4/17

Left Out: 239.929+/-1064.647 χ^2/NDF:32.2/24

Right Out: 559.187+/-1215.482 χ^2/NDF: 22.0/20

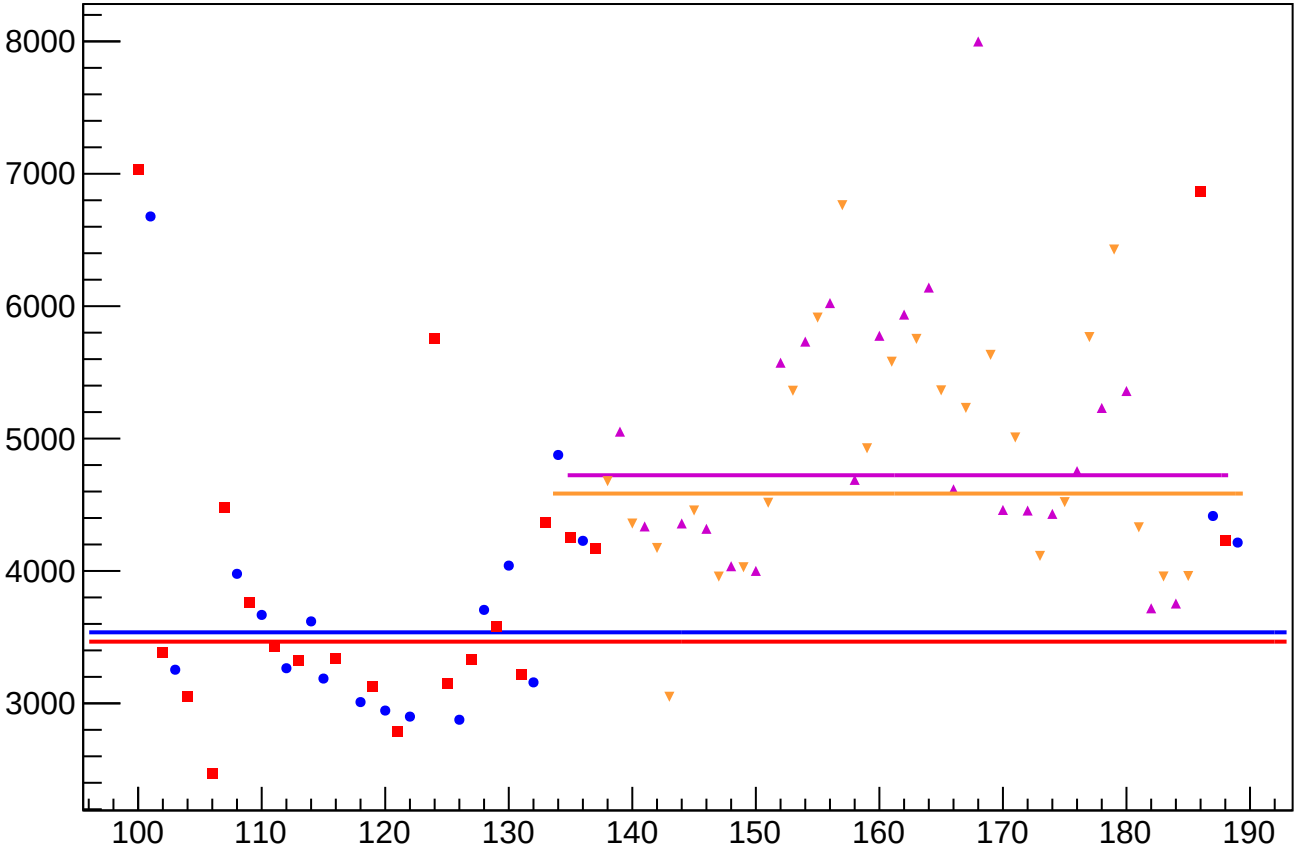
Left In: 397.881+/-1121.323 χ^2/NDF:14.2/22

\+ sign 49.299+/-819.445 χ^2/NDF: 50.6/42

All: 259.455+/-581.100 χ^2/NDF: 87.0/86

\- sign 472.045+/-824.175 χ^2/NDF: 36.2/43

asym_atr1l2_dd_rms vs Slug



Right In: 3536.527+/-0.908 χ^2/NDF: 640827.4/17

Left Out: 4584.664+/-0.753 χ^2/NDF:1311720.7/24

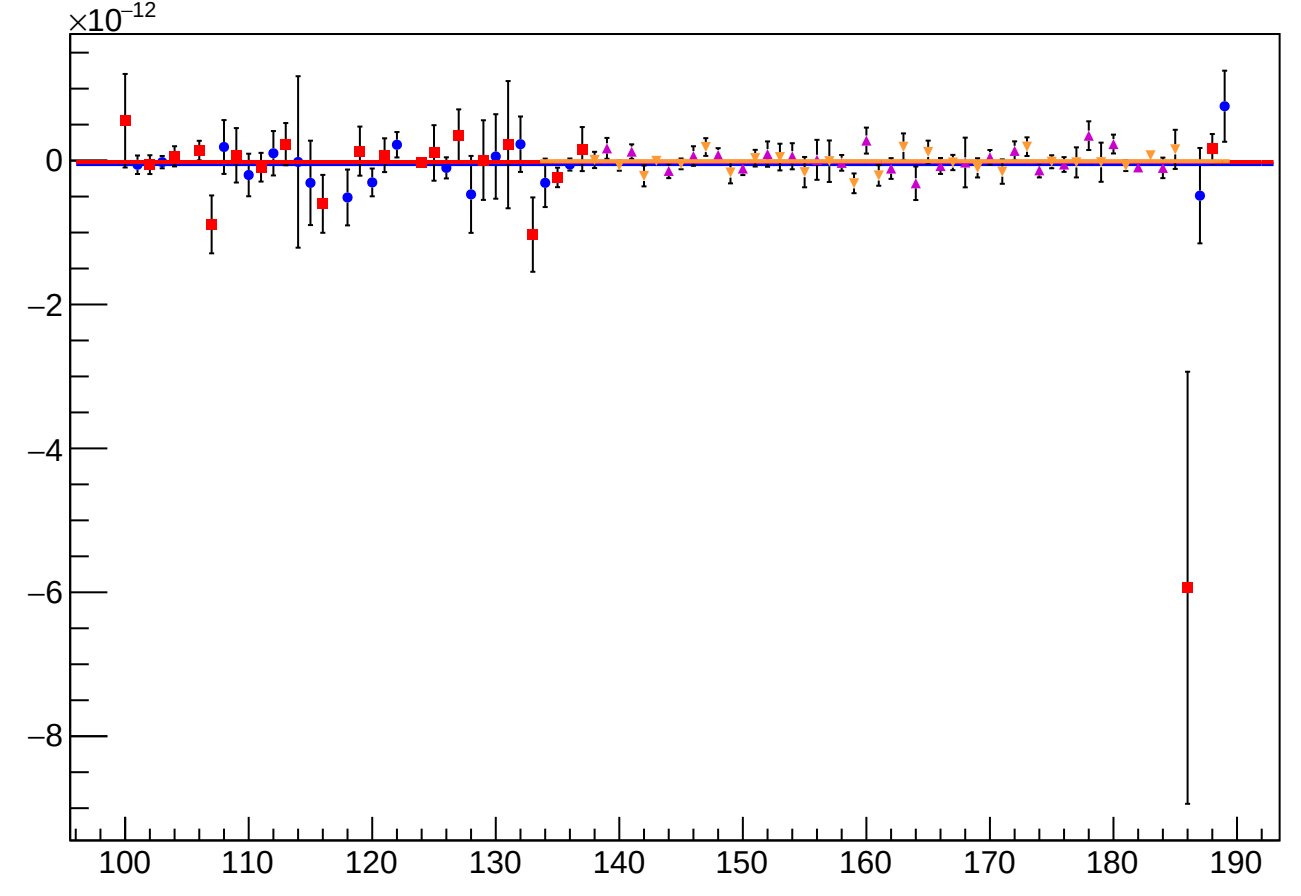
Right Out: 3466.074+/-0.849 χ^2/NDF: 655909.9/20

Left In: 4723.014+/-0.793 χ^2/NDF:1016613.0/22

\+ sign 4157.462+/-0.579 χ^2/NDF: 2742626.0/42

All: 4147.296+/-0.410 χ^2/NDF: 5587130.3/86

\- sign 4137.133+/-0.579 χ^2/NDF: 2843888.8/43



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/17

Left Out: -0.000+/-0.000 χ^2/NDF:22.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.1/20

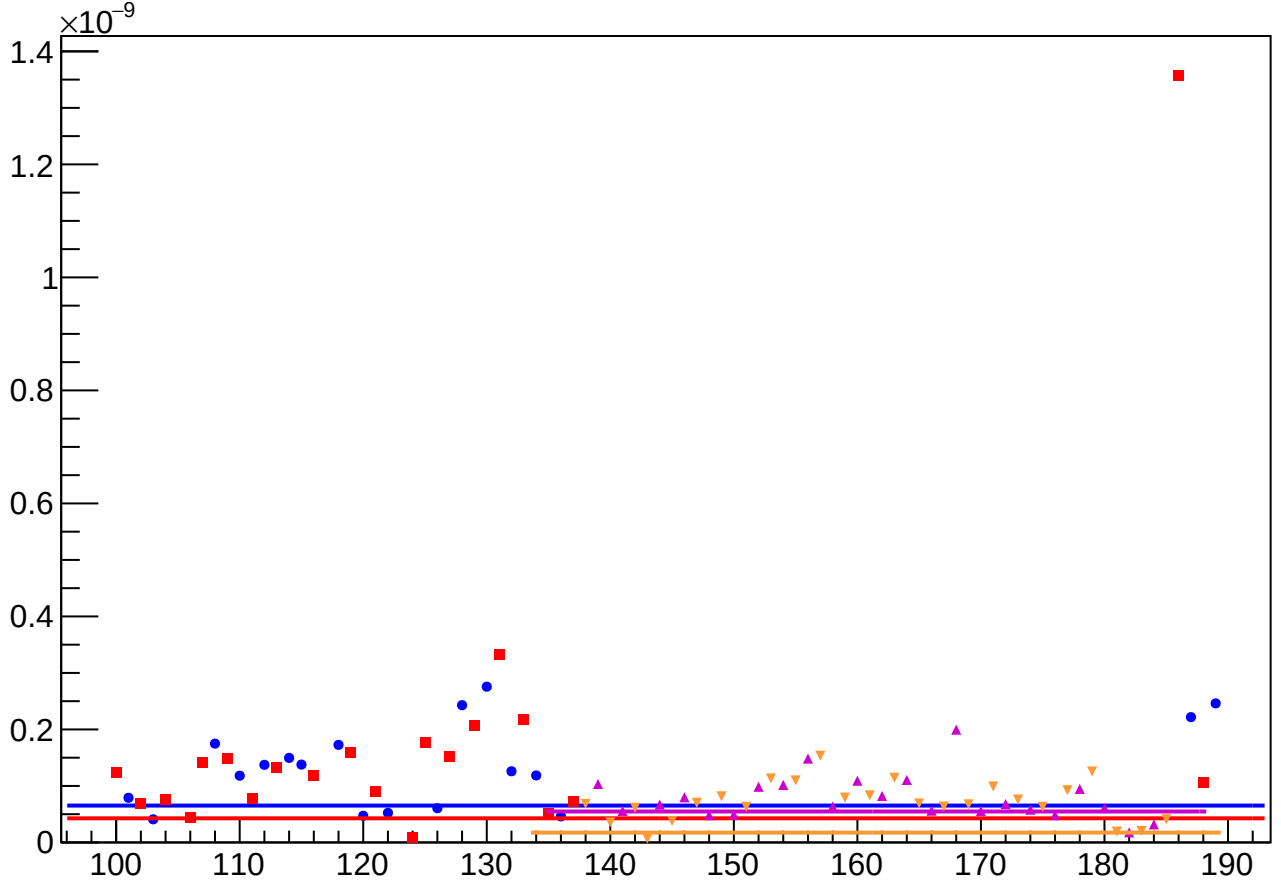
Left In: -0.000+/-0.000 χ^2/NDF:26.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.2/42

All: -0.000+/-0.000 χ^2/NDF: 84.4/86

- sign -0.000+/-0.000 χ^2/NDF: 49.1/43

asym_atr1l2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1816134.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:8870606.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3750047.4/20

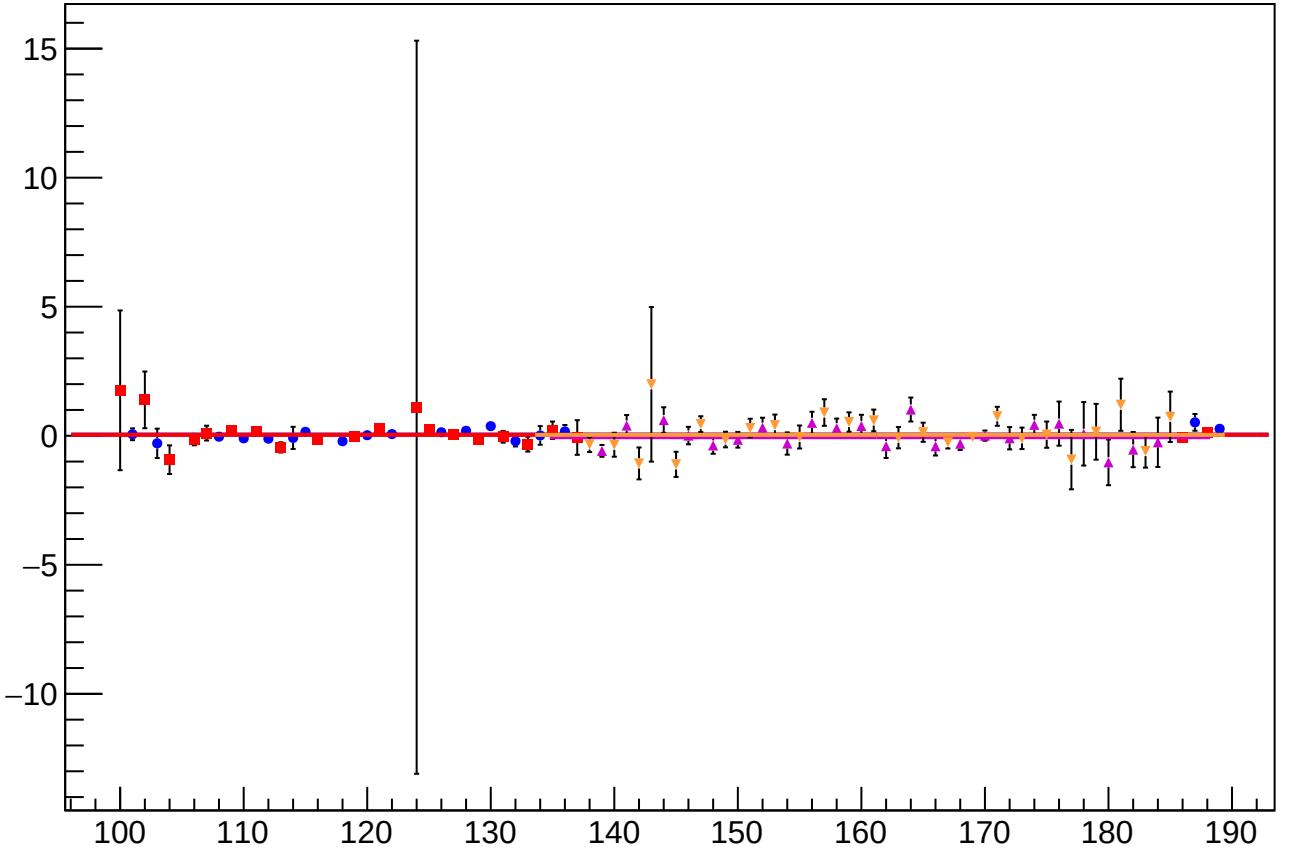
Left In: 0.000+/-0.000 χ^2/NDF:2798764.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 12882840.9/42

All: 0.000+/-0.000 χ^2/NDF: 23250383.7/86

- sign 0.000+/-0.000 χ^2/NDF: 6710310.2/43

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.045+/-0.046 χ^2/NDF: 16.2/17

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.036+/-0.039 χ^2/NDF: 23.8/20

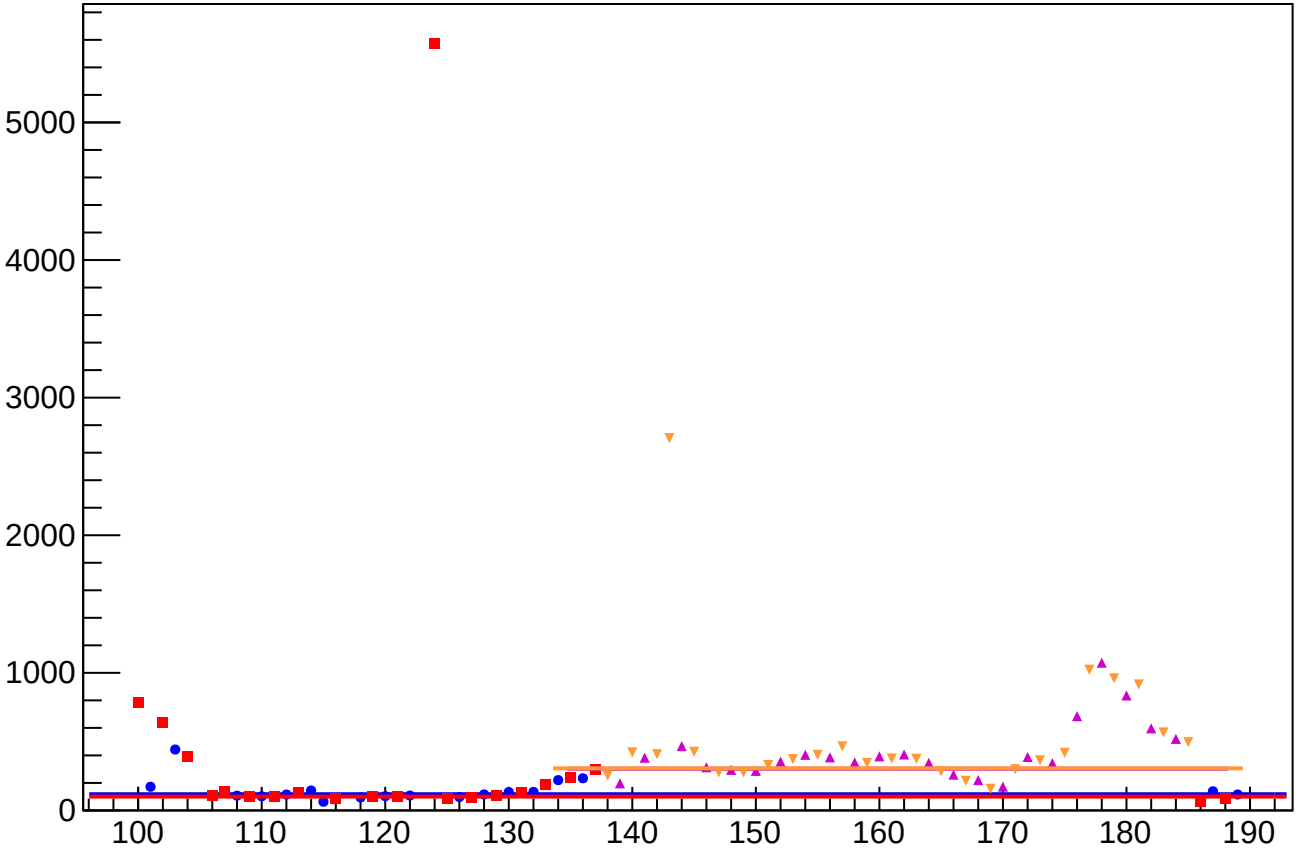
Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.042+/-0.039 χ^2/NDF: 46.6/42

All: 0.028+/-0.026 χ^2/NDF: 97.9/86

- sign 0.018+/-0.035 χ^2/NDF: 51.0/43

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 117.942+/-0.032 χ^2/NDF: 1731222.7/17

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

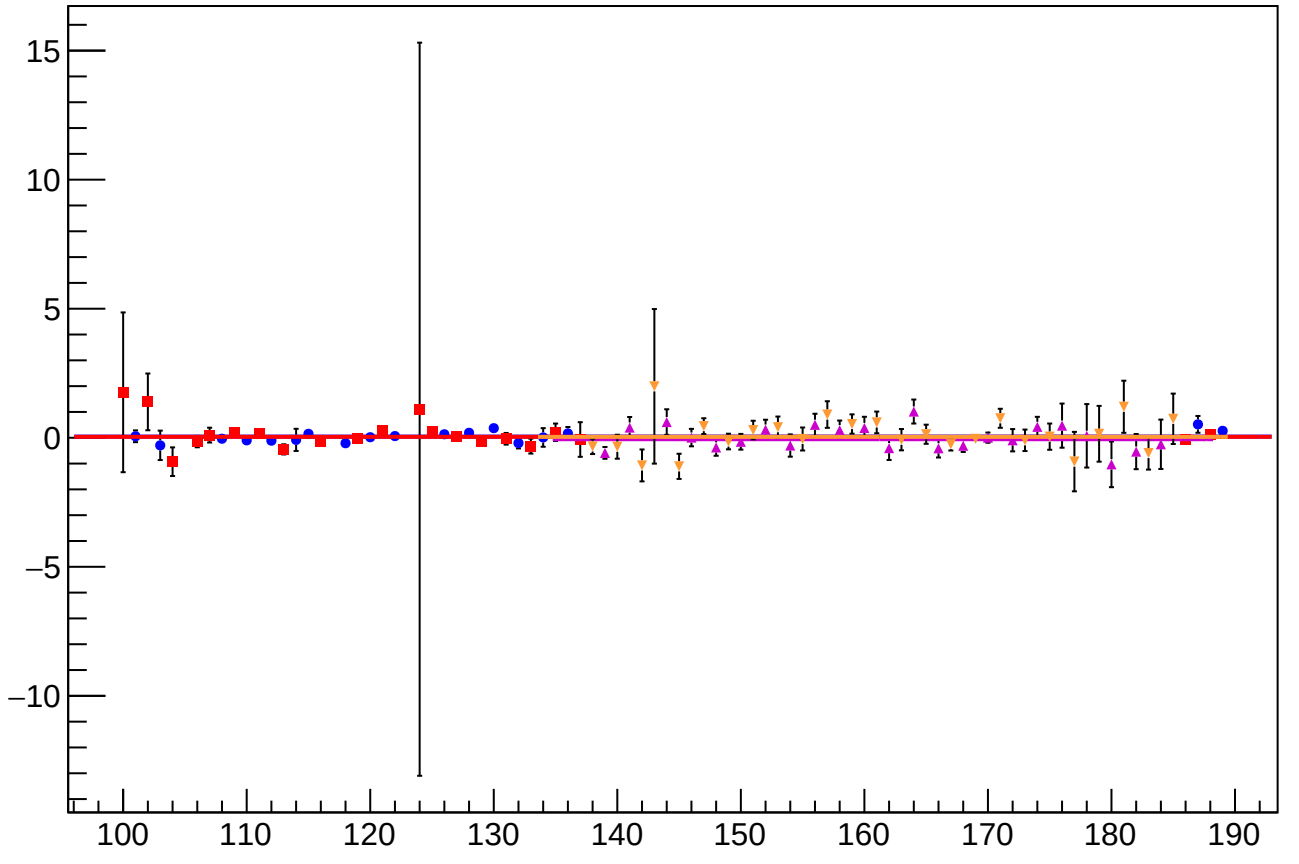
Right Out: 100.764+/-0.028 χ^2/NDF: 2617456.4/20

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 165.771+/-0.028 χ^2/NDF: 17043812.3/42

All: 152.360+/-0.018 χ^2/NDF: 35831367.7/86

- sign 141.839+/-0.025 χ^2/NDF: 18372157.1/43



Right In: 0.045+/-0.046 χ^2/NDF: 16.2/17

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.036+/-0.039 χ^2/NDF: 23.8/20

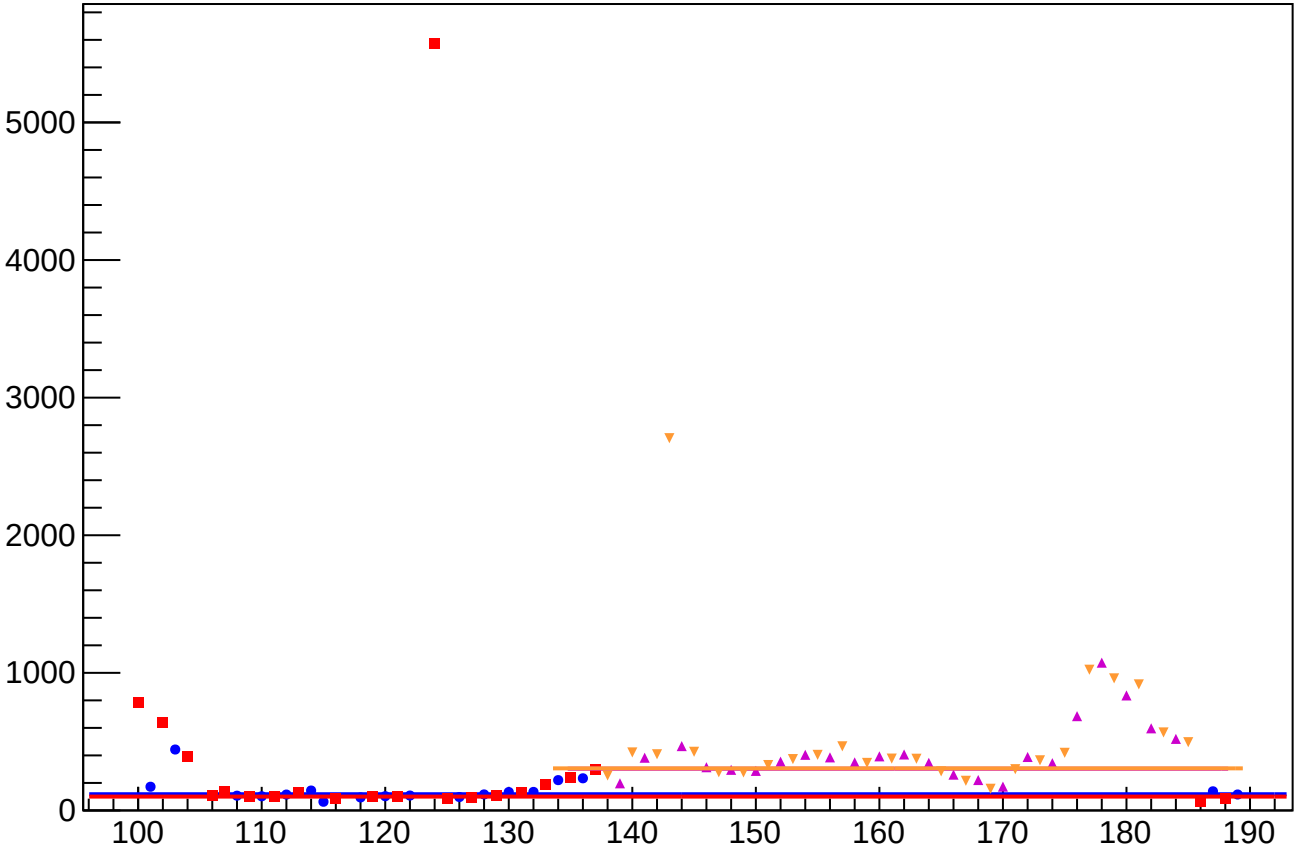
Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.042+/-0.039 χ^2/NDF: 46.6/42

All: 0.028+/-0.026 χ^2/NDF: 97.9/86

- sign 0.018+/-0.035 χ^2/NDF: 51.0/43

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 117.942+/-0.032 χ^2/NDF: 1731222.7/17

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

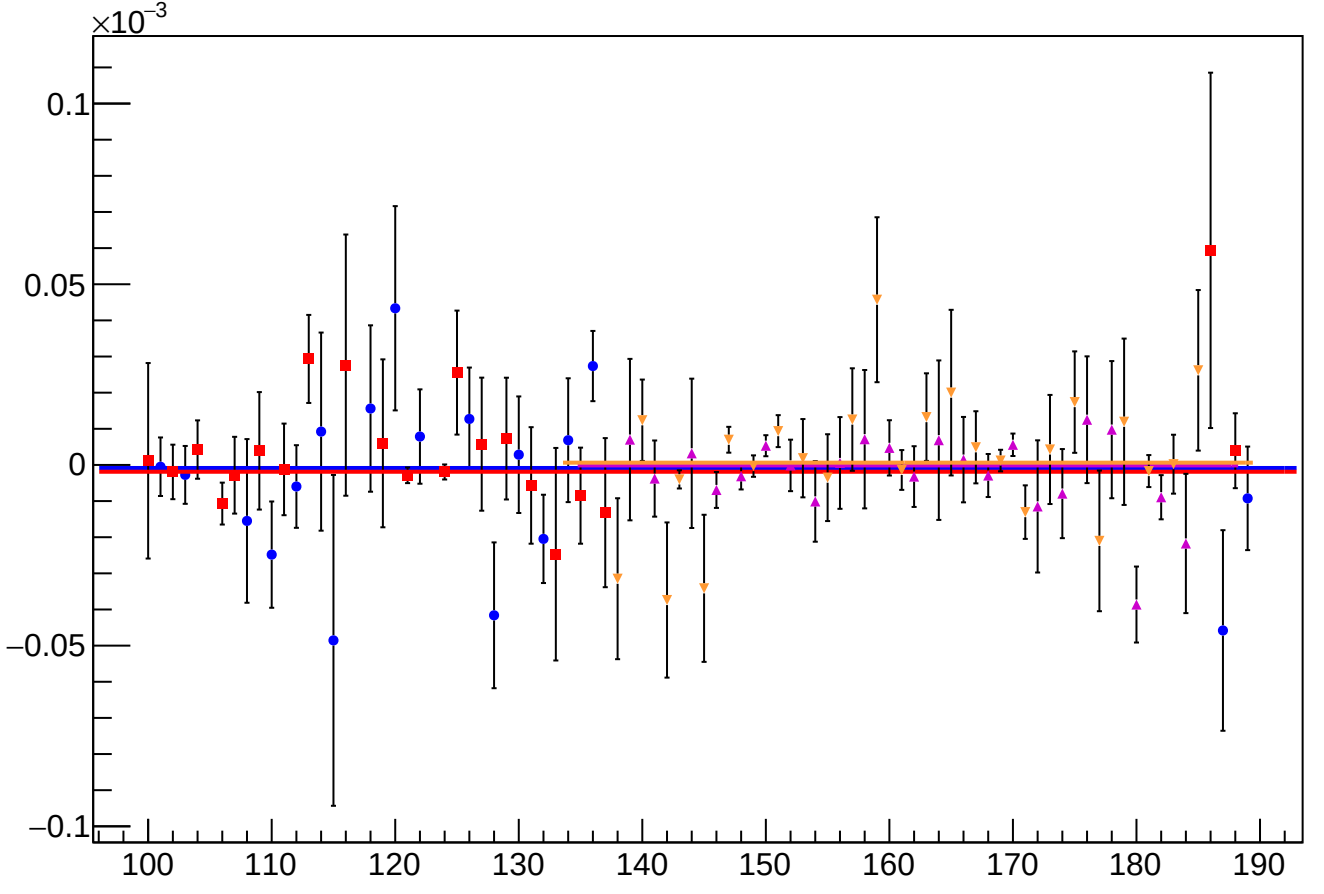
Right Out: 100.764+/-0.028 χ^2/NDF: 2617456.4/20

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 165.771+/-0.028 χ^2/NDF: 17043812.3/42

All: 152.360+/-0.018 χ^2/NDF: 35831367.7/86

- sign 141.839+/-0.025 χ^2/NDF: 18372157.1/43



Right In: -0.000+/-0.000 χ^2/NDF: 27.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:34.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 16.7/20

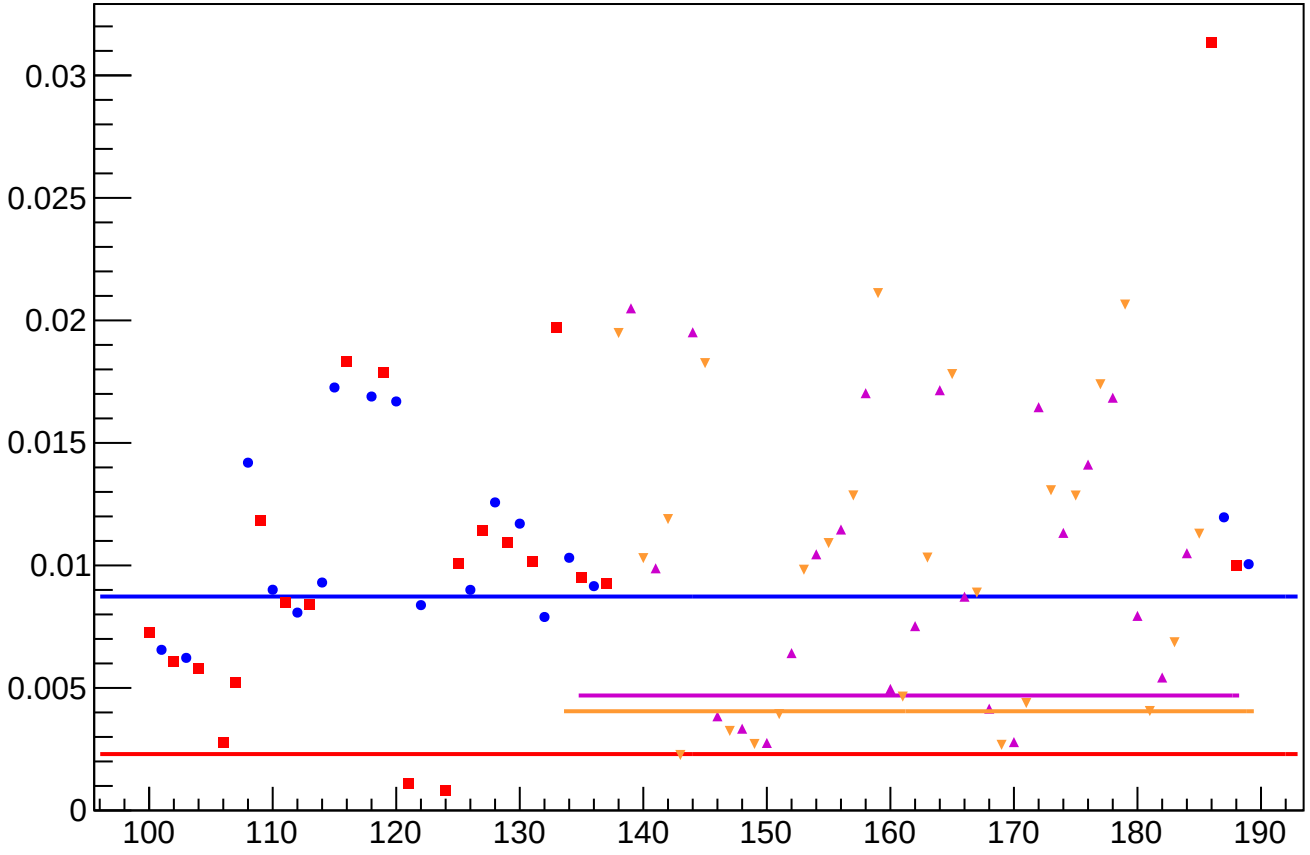
Left In: -0.000+/-0.000 χ^2/NDF:29.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.0/42

All: -0.000+/-0.000 χ^2/NDF: 110.4/86

- sign -0.000+/-0.000 χ^2/NDF: 47.3/43

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 1160964.7/17

Left Out: 0.004+/-0.000 χ^2/NDF:13552895.5/24

Right Out: 0.002+/-0.000 χ^2/NDF: 10916956.5/20

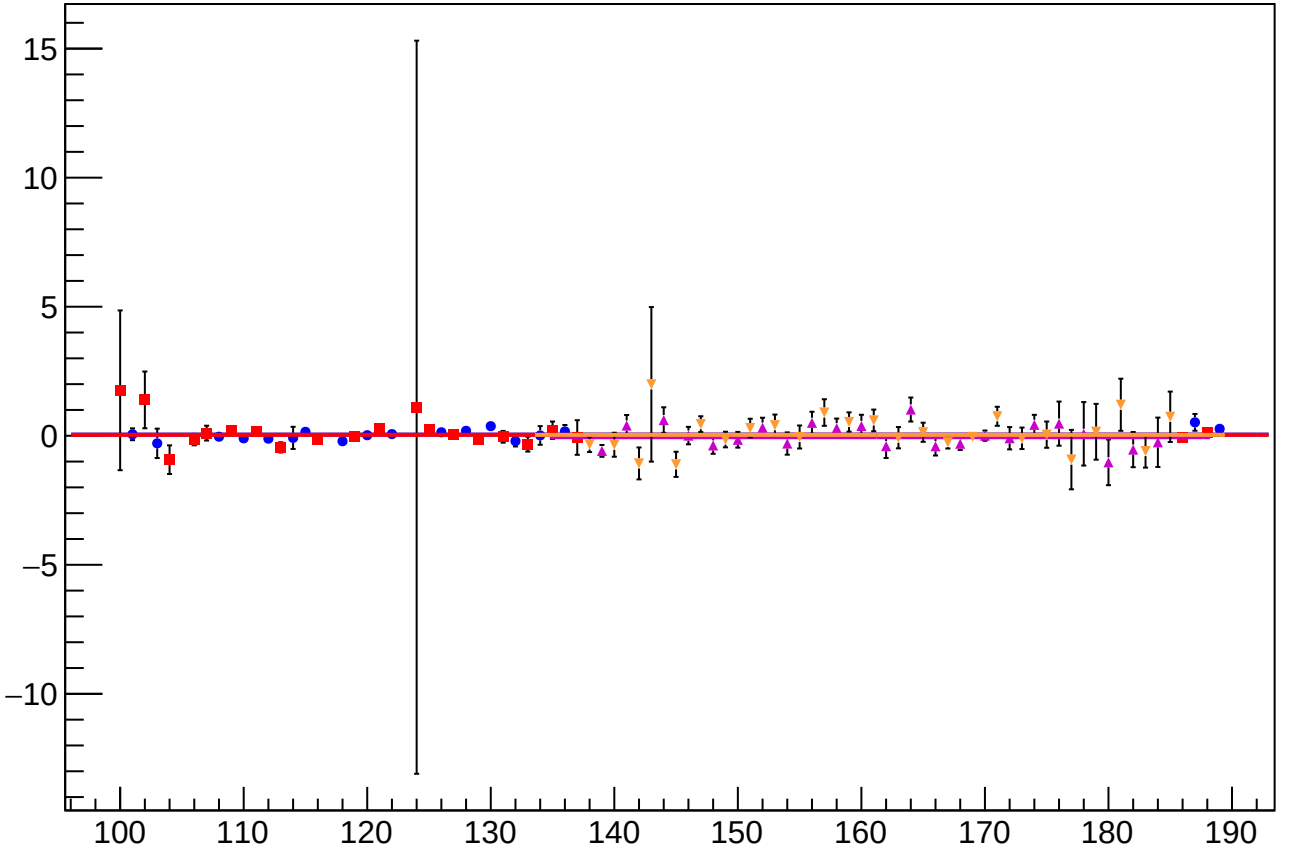
Left In: 0.005+/-0.000 χ^2/NDF:10859759.8/22

+ sign 0.005+/-0.000 χ^2/NDF: 18347795.3/42

All: 0.004+/-0.000 χ^2/NDF: 44453739.3/86

- sign 0.003+/-0.000 χ^2/NDF: 24850076.5/43

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.045+/-0.046 χ^2/NDF: 16.2/17

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.036+/-0.039 χ^2/NDF: 23.8/20

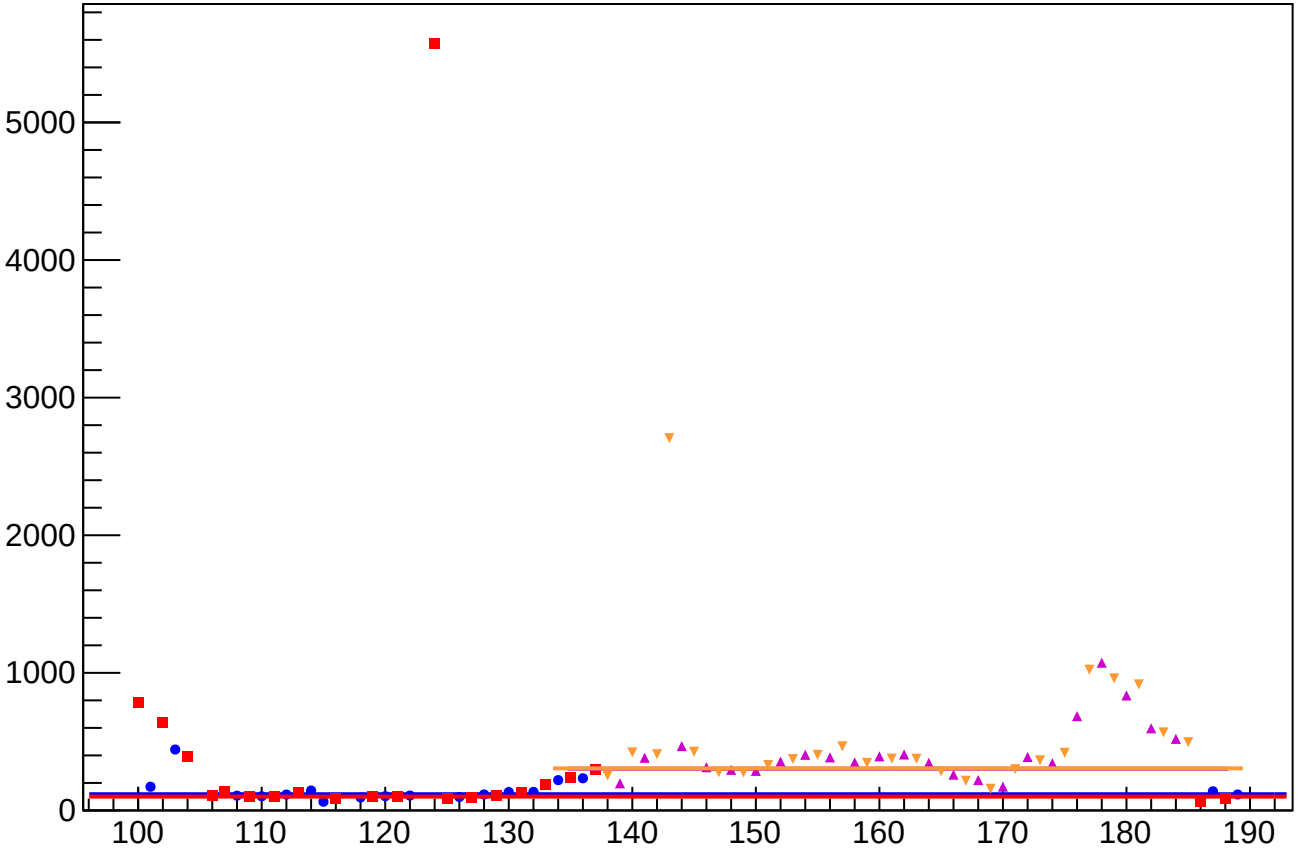
Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

+ sign 0.042+/-0.039 χ^2/NDF: 46.6/42

All: 0.028+/-0.026 χ^2/NDF: 97.9/86

- sign 0.018+/-0.035 χ^2/NDF: 51.0/43

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 117.943+/-0.032 χ^2/NDF: 1731187.7/17

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

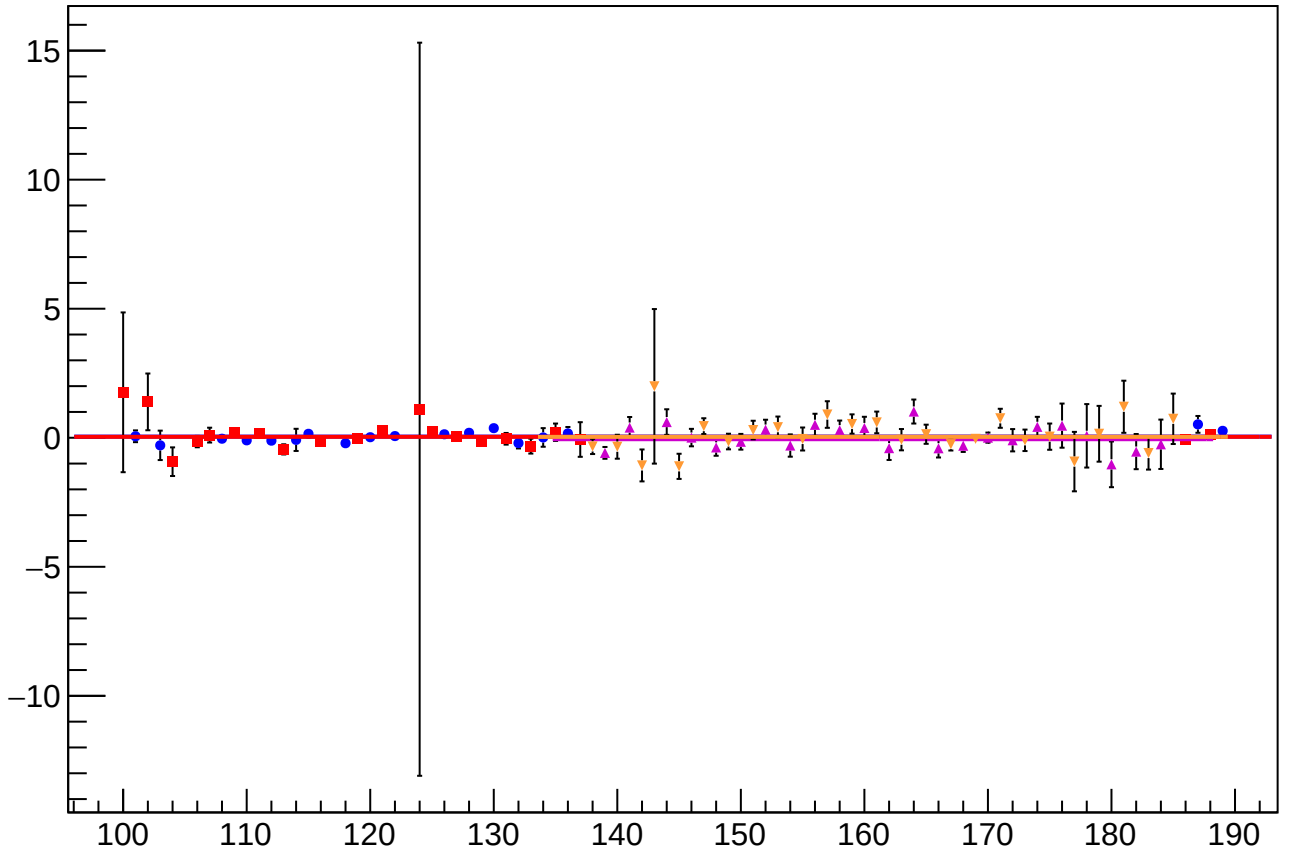
Right Out: 100.765+/-0.028 χ^2/NDF: 2617335.5/20

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 165.771+/-0.028 χ^2/NDF: 17043889.7/42

All: 152.361+/-0.018 χ^2/NDF: 35831244.6/86

- sign 141.841+/-0.025 χ^2/NDF: 18371998.5/43



Right In: 0.045+/-0.046 χ^2/NDF: 16.2/17

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

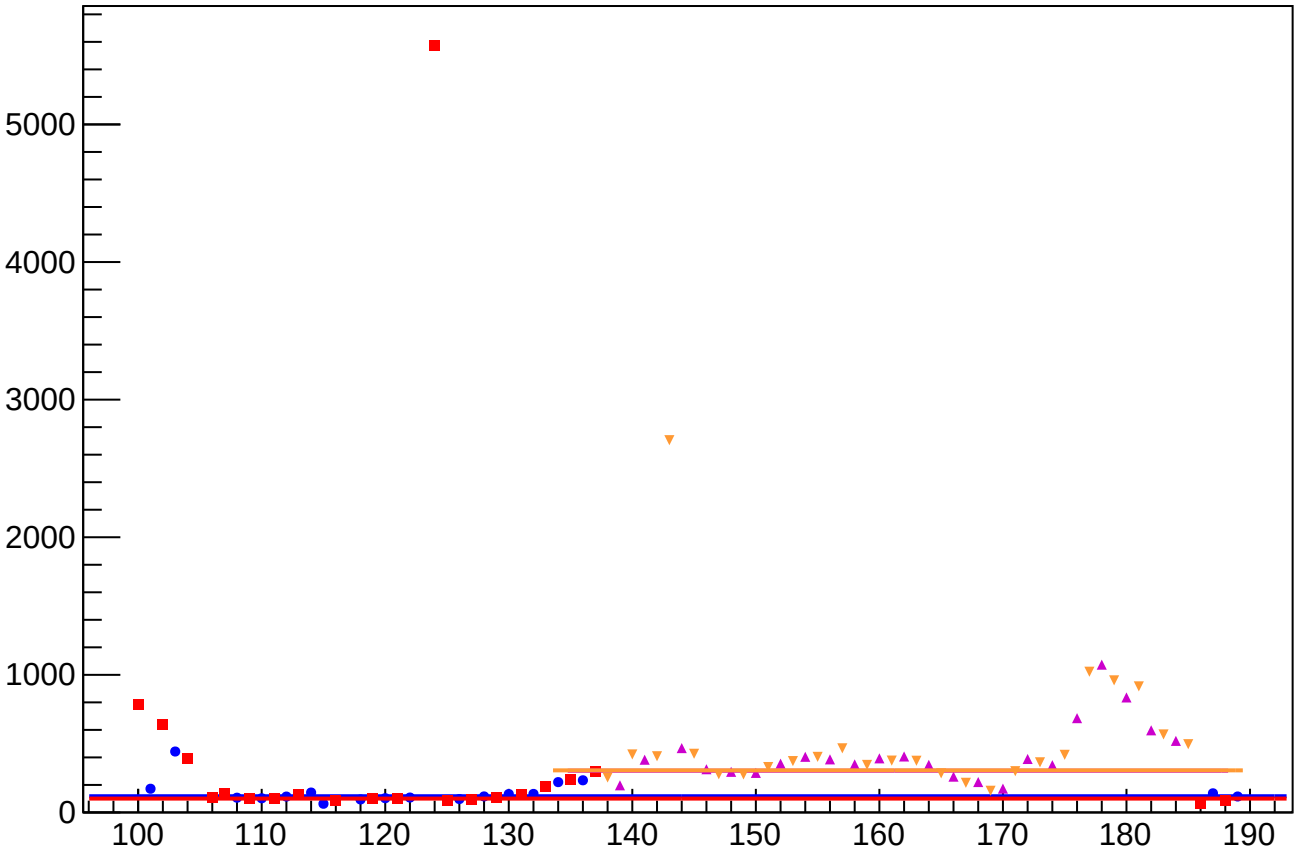
Right Out: 0.036+/-0.039 χ^2/NDF: 23.8/20

Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

+ sign 0.042+/-0.039 χ^2/NDF: 46.6/42

All: 0.028+/-0.026 χ^2/NDF: 97.9/86

- sign 0.018+/-0.035 χ^2/NDF: 51.0/43



Right In: 117.943+/-0.032 χ^2/NDF: 1731187.7/17

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

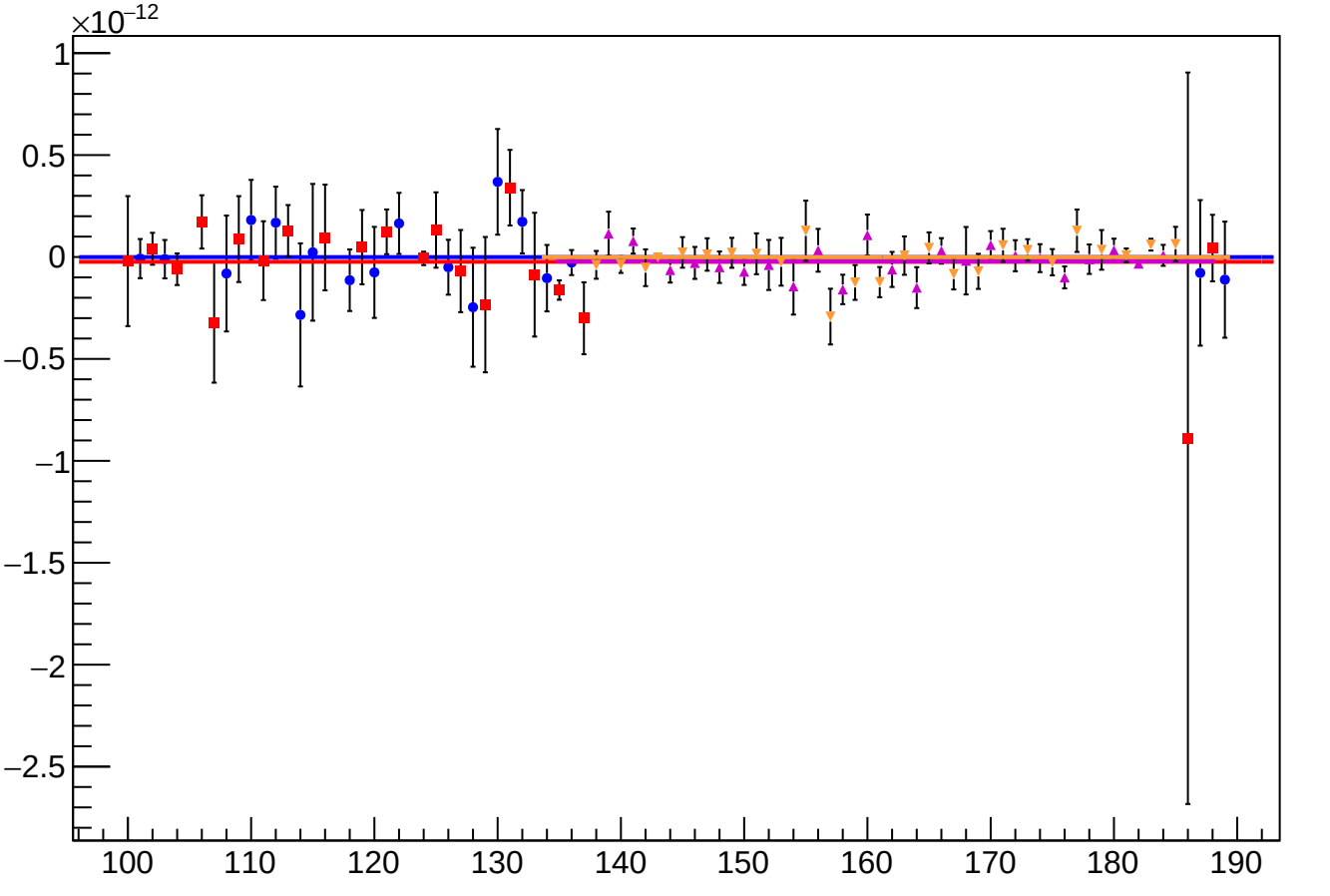
Right Out: 100.765+/-0.028 χ^2/NDF: 2617335.5/20

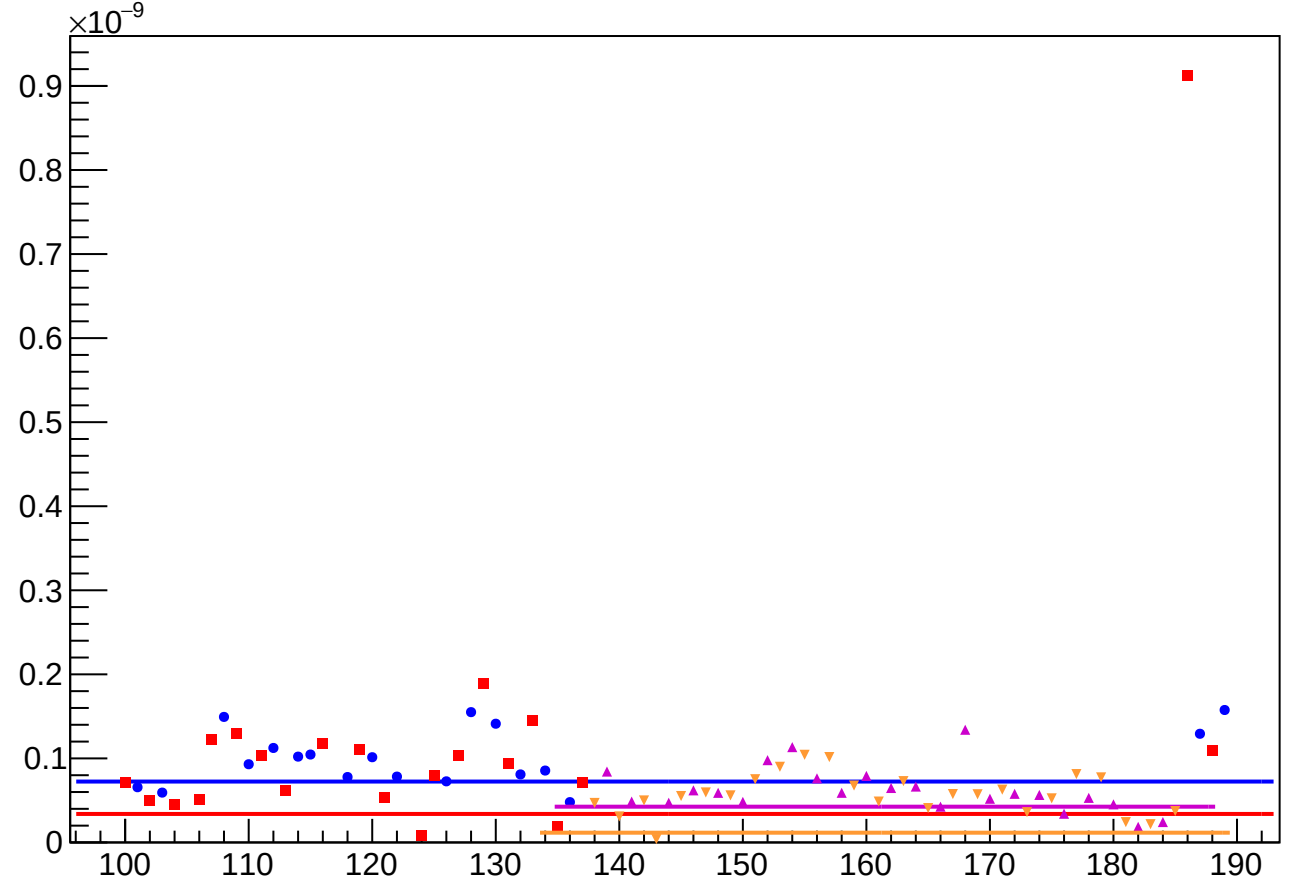
Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 165.771+/-0.028 χ^2/NDF: 17043889.7/42

All: 152.361+/-0.018 χ^2/NDF: 35831244.6/86

- sign 141.841+/-0.025 χ^2/NDF: 18371998.5/43


asym_atr1l2_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 9.3/17
Left Out: -0.000+/-0.000 χ²/NDF:22.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 24.6/20
Left In: -0.000+/-0.000 χ²/NDF:19.5/22
+ sign -0.000+/-0.000 χ²/NDF: 31.3/42
All: -0.000+/-0.000 χ²/NDF: 78.4/86
- sign -0.000+/-0.000 χ²/NDF: 44.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 1258445.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:17863822.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5366276.7/20

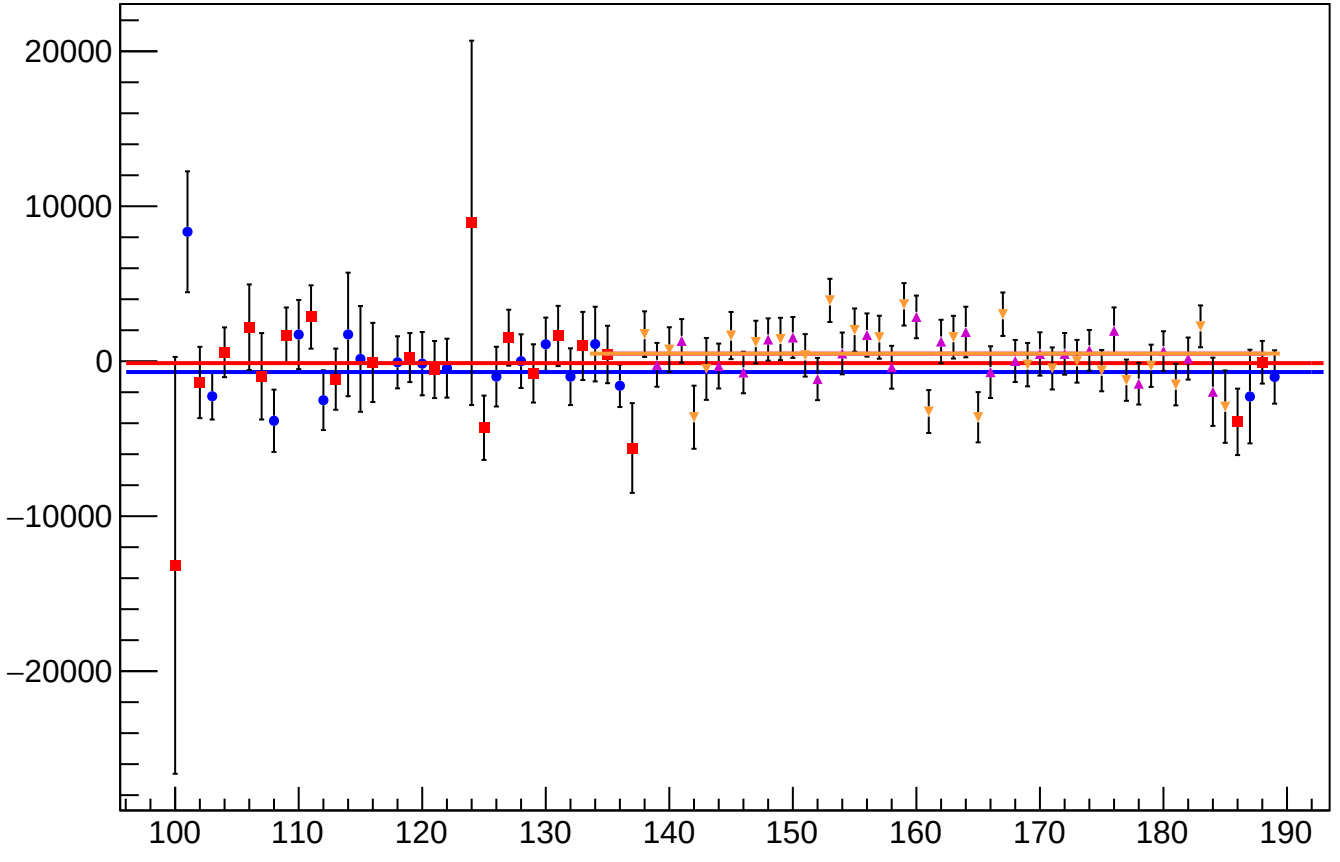
Left In: 0.000+/-0.000 χ^2/NDF:5419961.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 25324658.2/42

All: 0.000+/-0.000 χ^2/NDF: 45275201.2/86

- sign 0.000+/-0.000 χ^2/NDF: 11021742.9/43

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -698.032+/-464.513 χ^2/NDF: 14.2/17

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -121.728+/-449.522 χ^2/NDF: 19.2/20

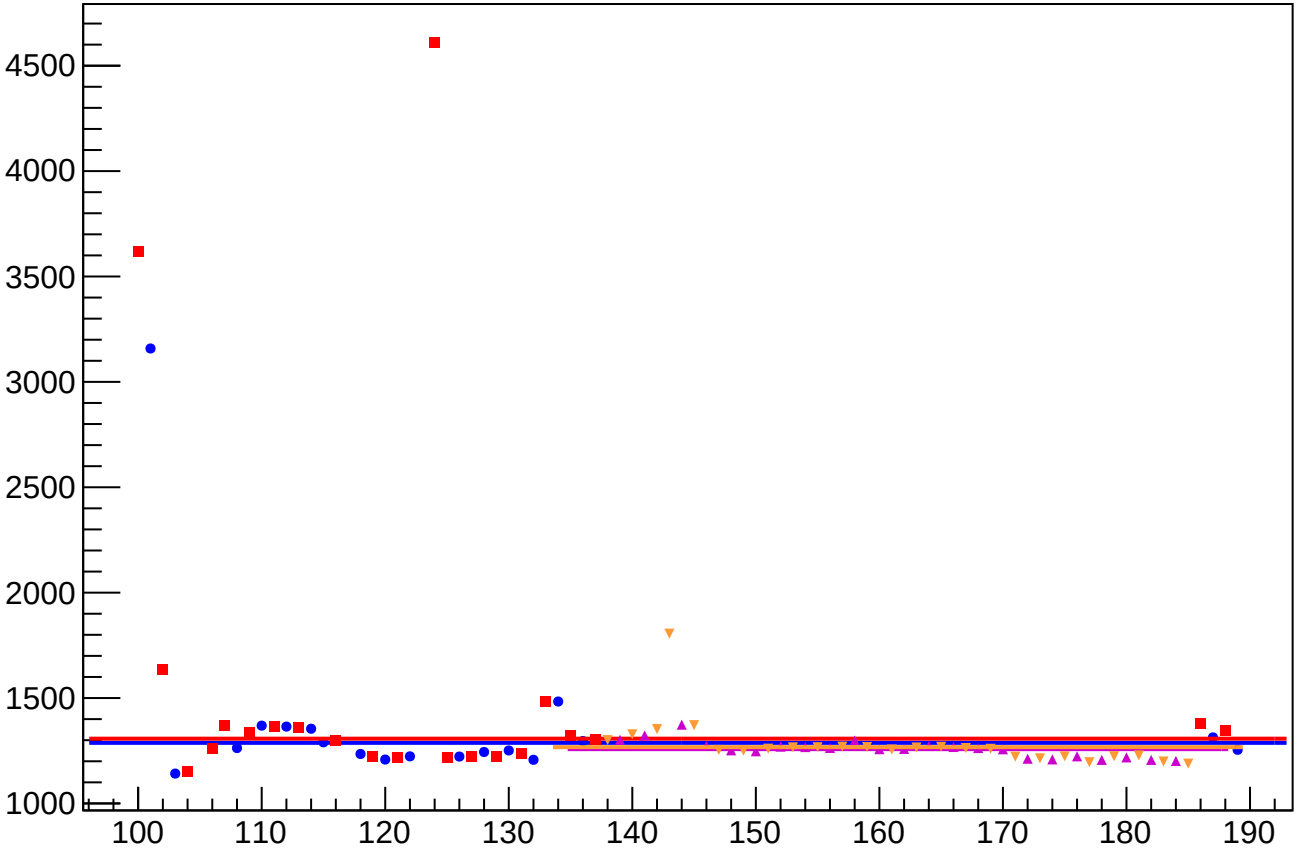
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 160.790+/-245.075 χ^2/NDF: 65.9/42

All: 232.500+/-173.590 χ^2/NDF: 100.9/86

- sign 304.701+/-245.913 χ^2/NDF: 34.9/43

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1287.477+/-0.328 χ^2/NDF: 515590.8/17

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

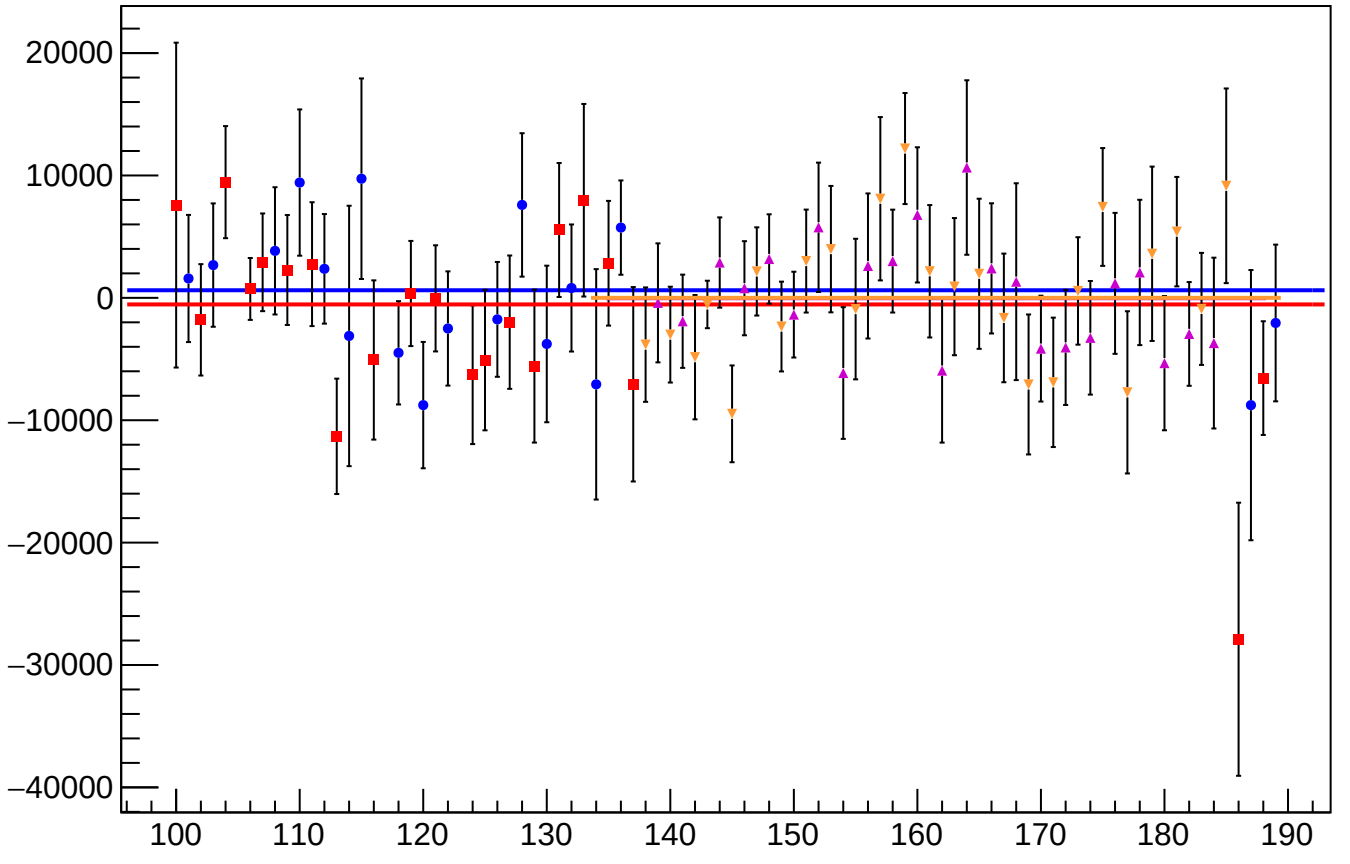
Right Out: 1307.259+/-0.317 χ^2/NDF: 323856.3/20

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1272.677+/-0.173 χ^2/NDF: 705950.0/42

All: 1272.575+/-0.123 χ^2/NDF: 1083813.7/86

- sign 1272.474+/-0.174 χ^2/NDF: 377863.0/43



Right In: 620.492+/-1288.899 χ^2/NDF: 15.0/17

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

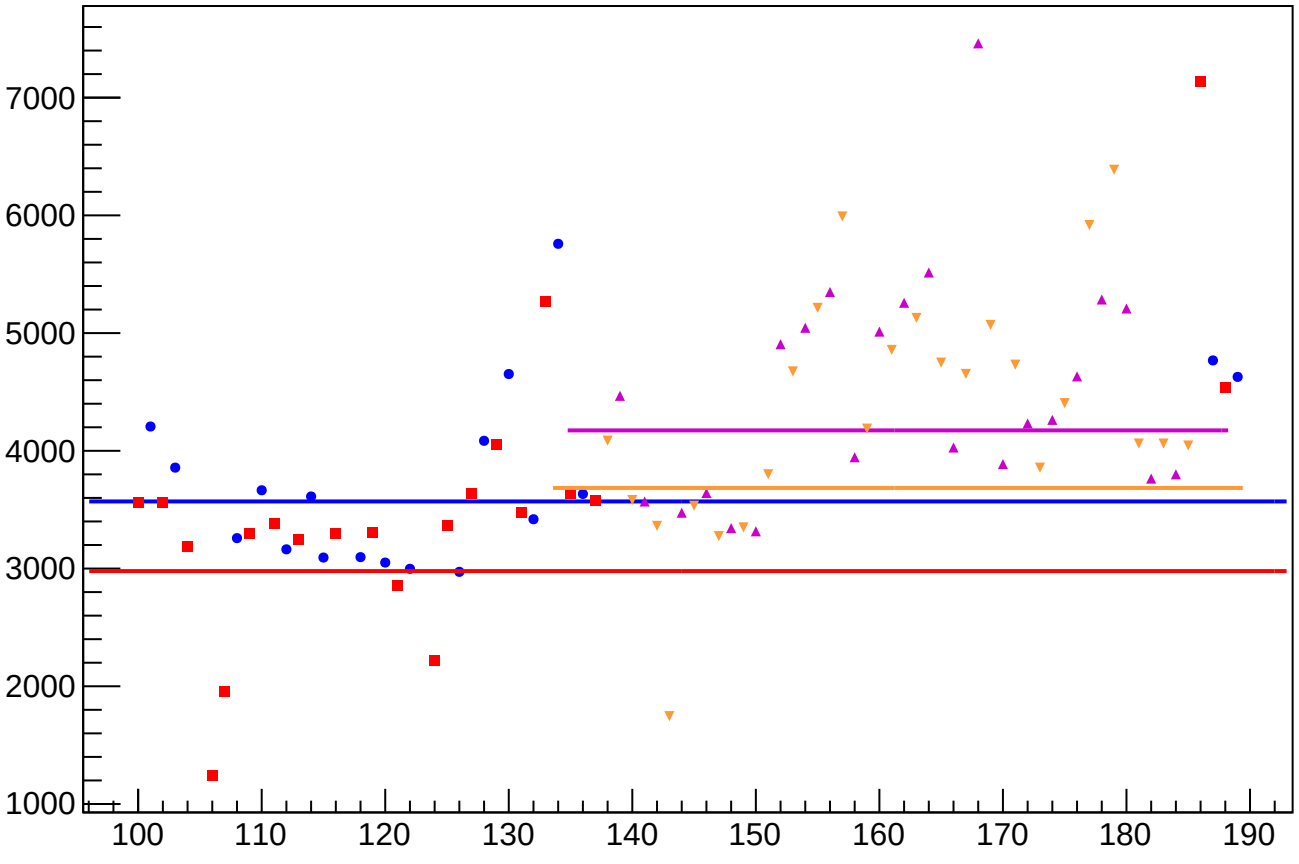
Right Out: -538.329+/-1075.559 χ^2/NDF: 26.4/20

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign 198.853+/-730.405 χ^2/NDF: 44.2/42

All: -33.215+/-516.519 χ^2/NDF: 84.9/86

- sign -265.363+/-730.530 χ^2/NDF: 40.5/43



Right In: 3569.977+/-0.911 χ^2/NDF: 436578.6/17

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 2978.438+/-0.761 χ^2/NDF: 2031137.2/20

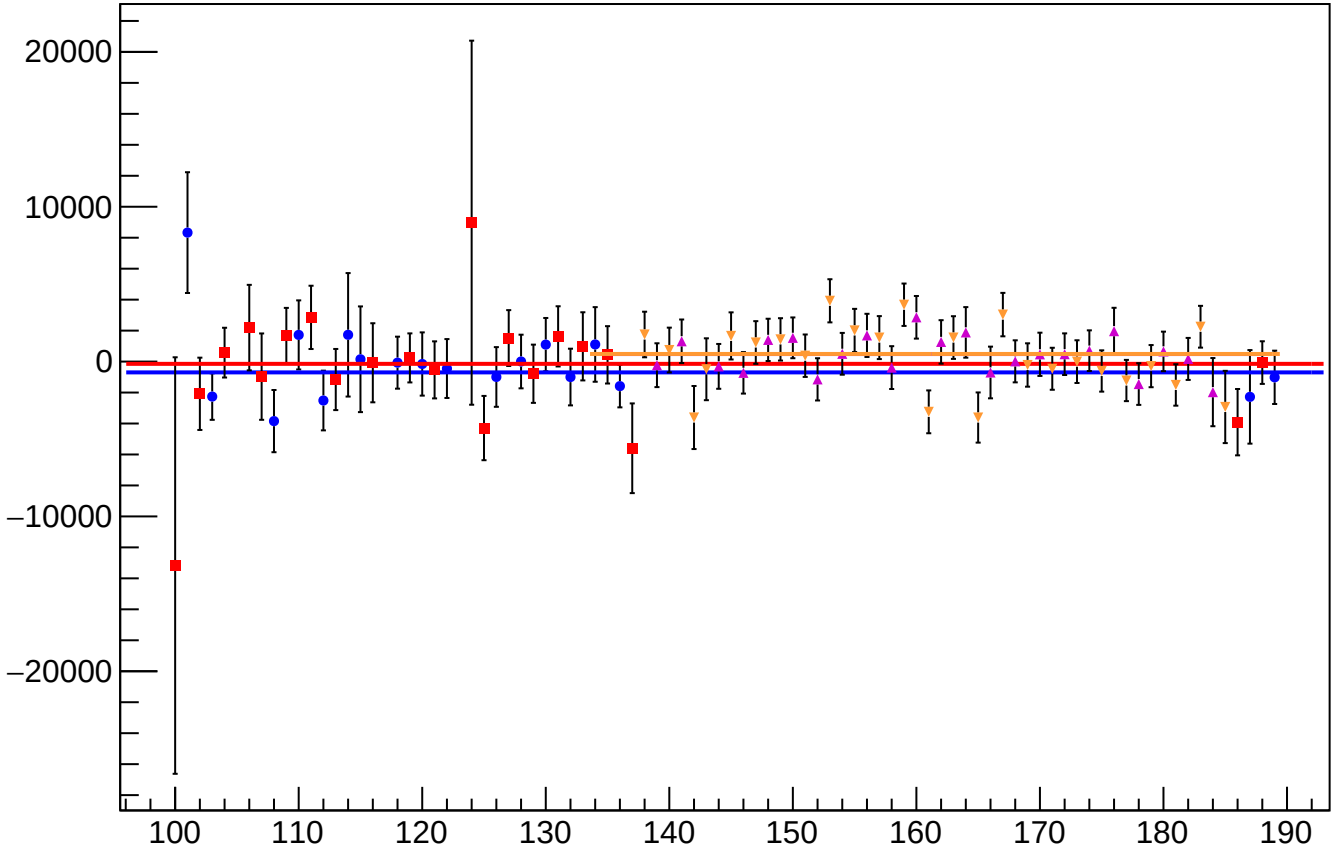
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3647.905+/-0.516 χ^2/NDF: 4140994.7/42

All: 3635.063+/-0.365 χ^2/NDF: 8778514.3/86

- sign 3622.217+/-0.517 χ^2/NDF: 4636283.0/43

cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -698.399+/-464.513 χ^2/NDF: 14.2/17

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -146.579+/-449.775 χ^2/NDF: 19.6/20

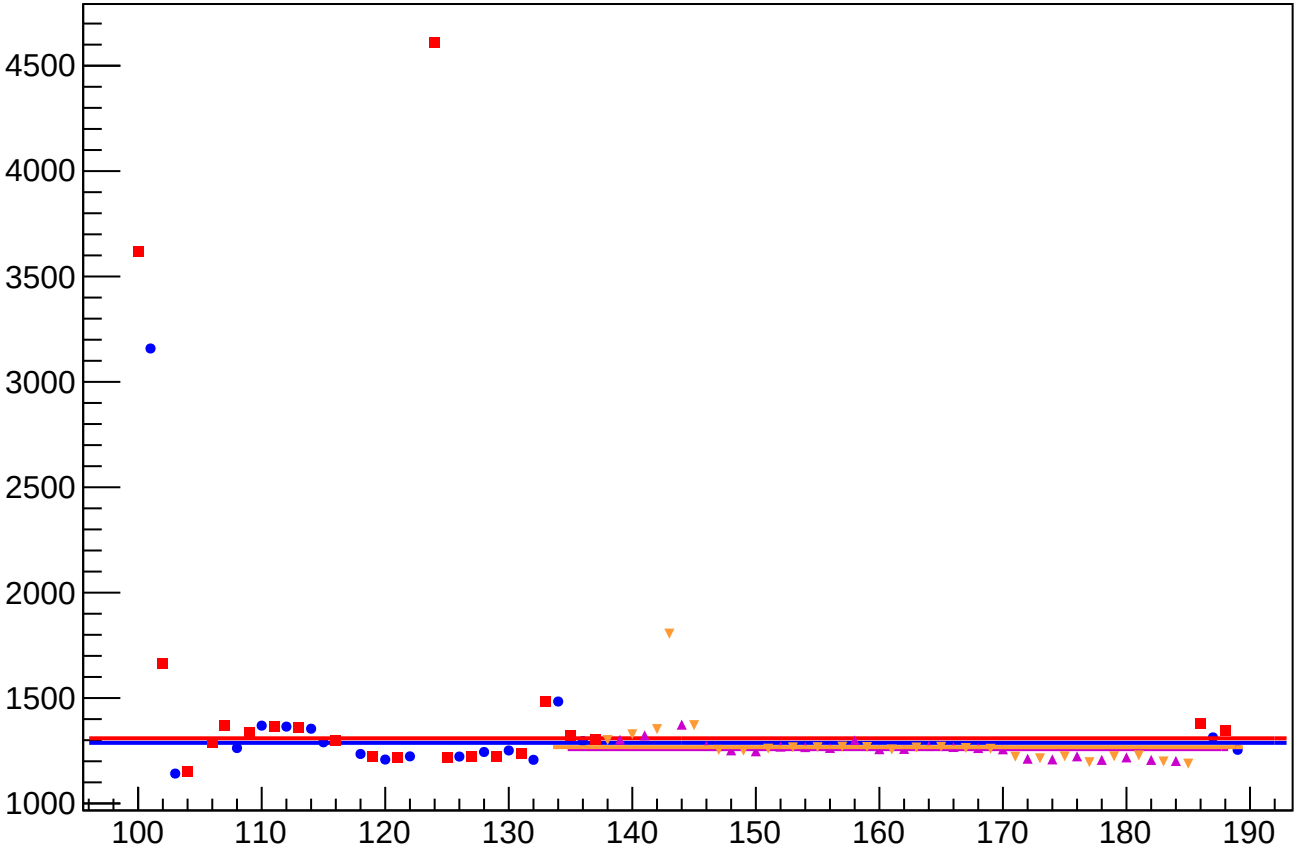
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 160.700+/-245.075 χ^2/NDF: 65.8/42

All: 228.777+/-173.604 χ^2/NDF: 101.4/86

- sign 297.343+/-245.954 χ^2/NDF: 35.4/43

cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1287.477+/-0.328 χ^2/NDF: 515592.2/17

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

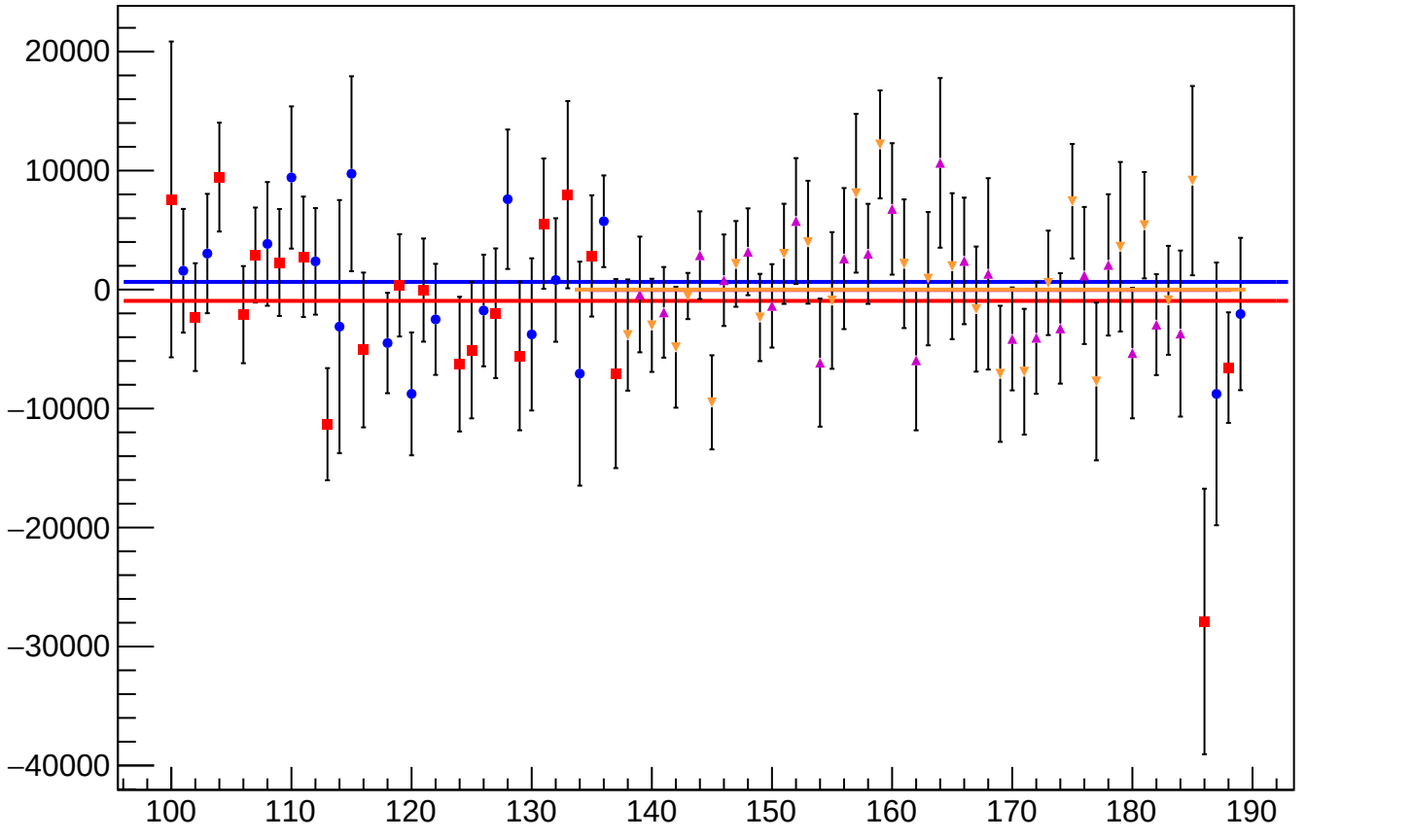
Right Out: 1309.004+/-0.318 χ^2/NDF: 330097.7/20

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1272.676+/-0.173 χ^2/NDF: 705951.4/42

All: 1272.823+/-0.123 χ^2/NDF: 1091253.6/86

- sign 1272.971+/-0.174 χ^2/NDF: 385300.7/43



Right In: 644.987+/-1288.480 χ^2/NDF: 15.0/17

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

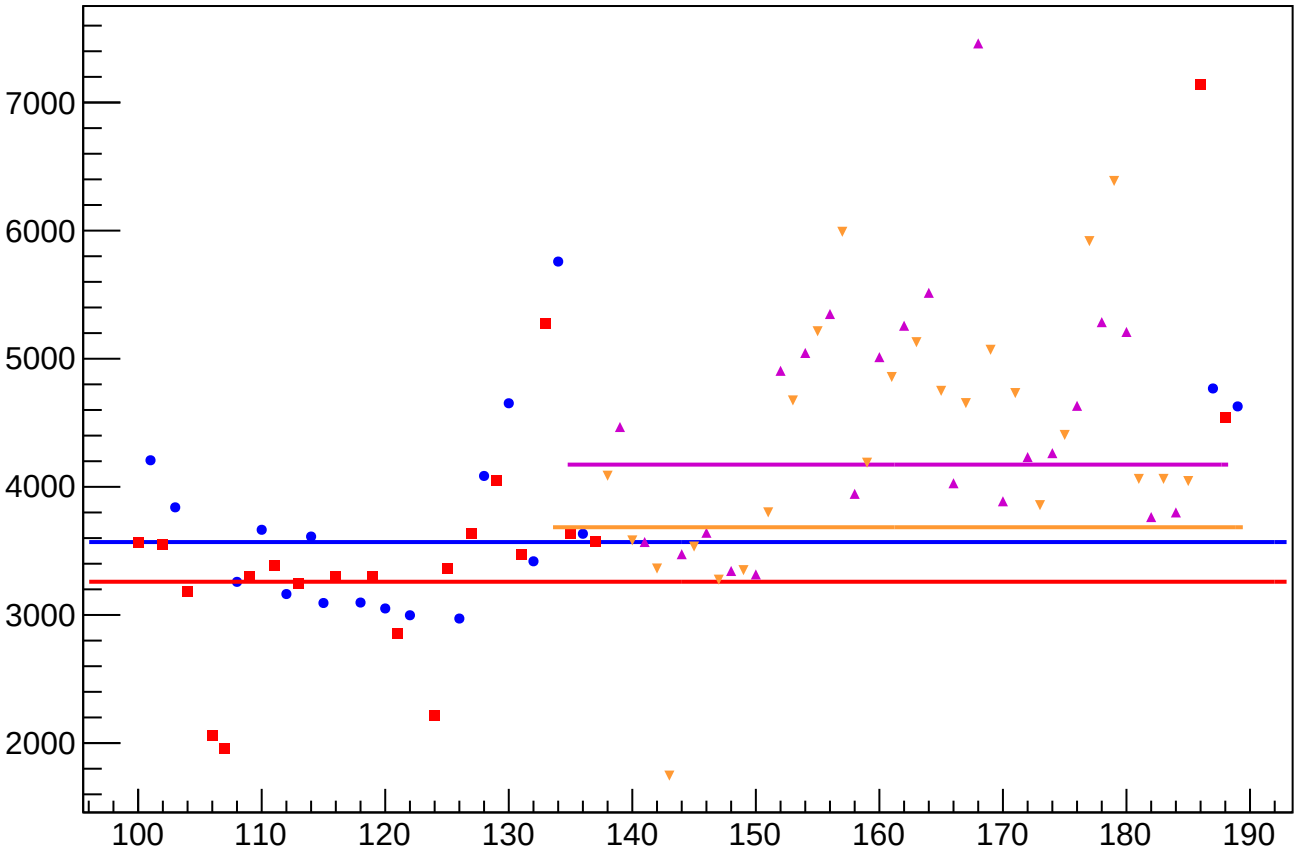
Right Out: -950.718+/-1140.555 χ^2/NDF: 26.2/20

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 206.853+/-730.329 χ^2/NDF: 44.2/42

All: -102.634+/-523.214 χ^2/NDF: 85.3/86

- sign -428.959+/-749.934 χ^2/NDF: 40.6/43



Right In: 3569.073+/-0.911 χ^2/NDF: 435971.5/17

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3259.310+/-0.806 χ^2/NDF: 1066399.1/20

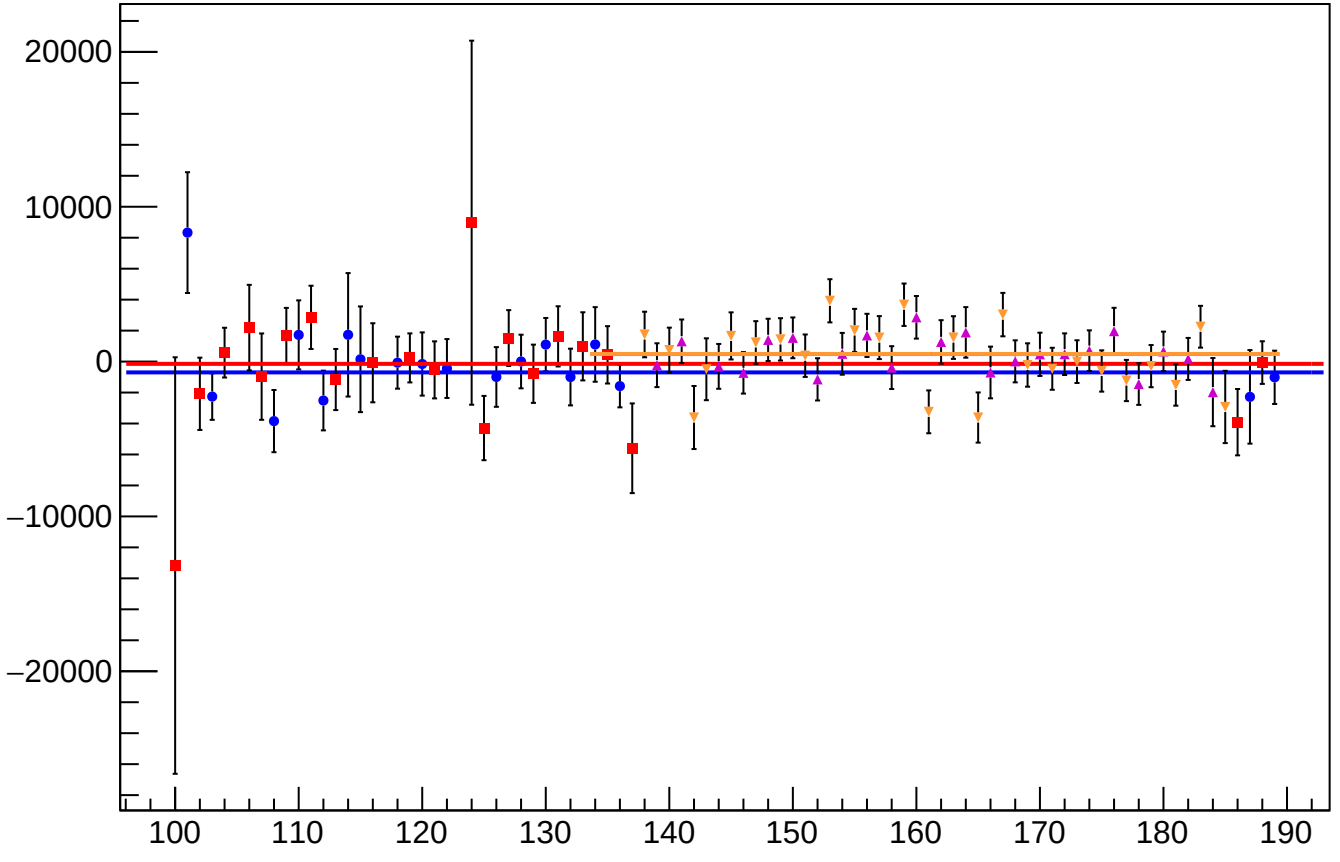
Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3647.593+/-0.516 χ^2/NDF: 4140602.0/42

All: 3711.215+/-0.370 χ^2/NDF: 7242633.3/86

- sign 3778.298+/-0.530 χ^2/NDF: 3070850.5/43

eigen_cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -698.399+/-464.513 χ^2/NDF: 14.2/17

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -146.579+/-449.775 χ^2/NDF: 19.6/20

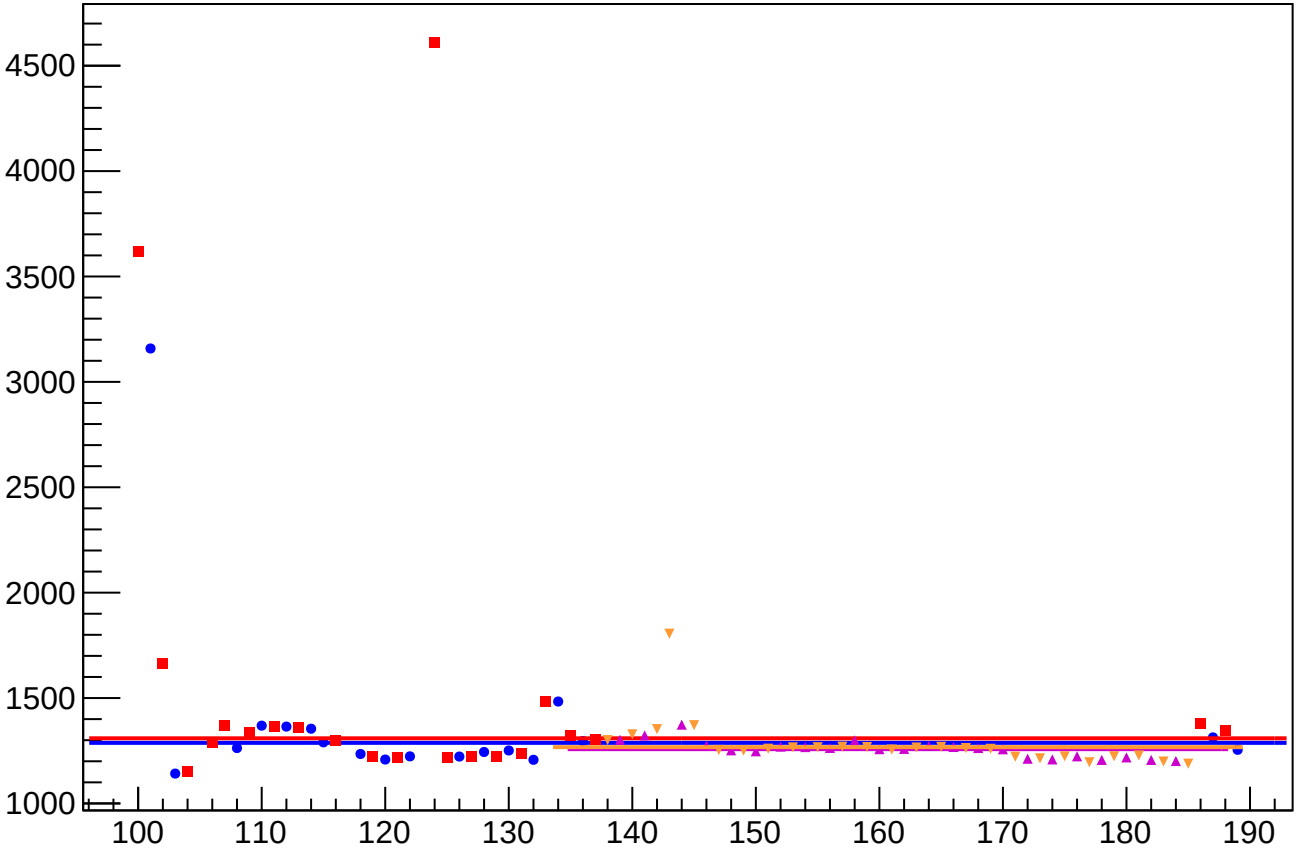
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 160.700+/-245.075 χ^2/NDF: 65.8/42

All: 228.777+/-173.604 χ^2/NDF: 101.4/86

- sign 297.343+/-245.954 χ^2/NDF: 35.4/43

eigen_cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1287.477+/-0.328 χ^2/NDF: 515592.2/17

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

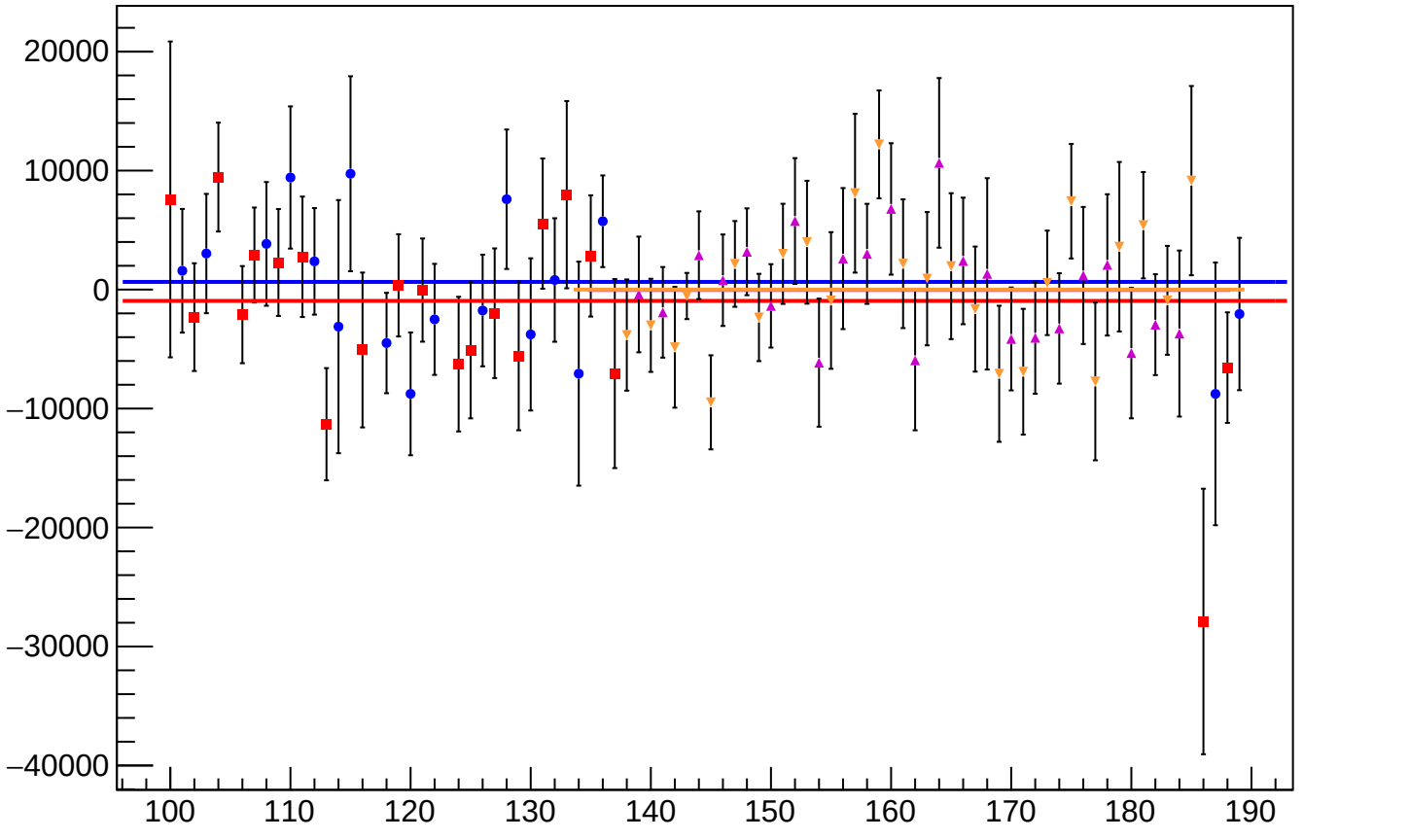
Right Out: 1309.004+/-0.318 χ^2/NDF: 330097.7/20

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1272.676+/-0.173 χ^2/NDF: 705951.4/42

All: 1272.823+/-0.123 χ^2/NDF: 1091253.6/86

- sign 1272.971+/-0.174 χ^2/NDF: 385300.7/43



Right In: 644.987+/-1288.480 χ^2/NDF: 15.0/17

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

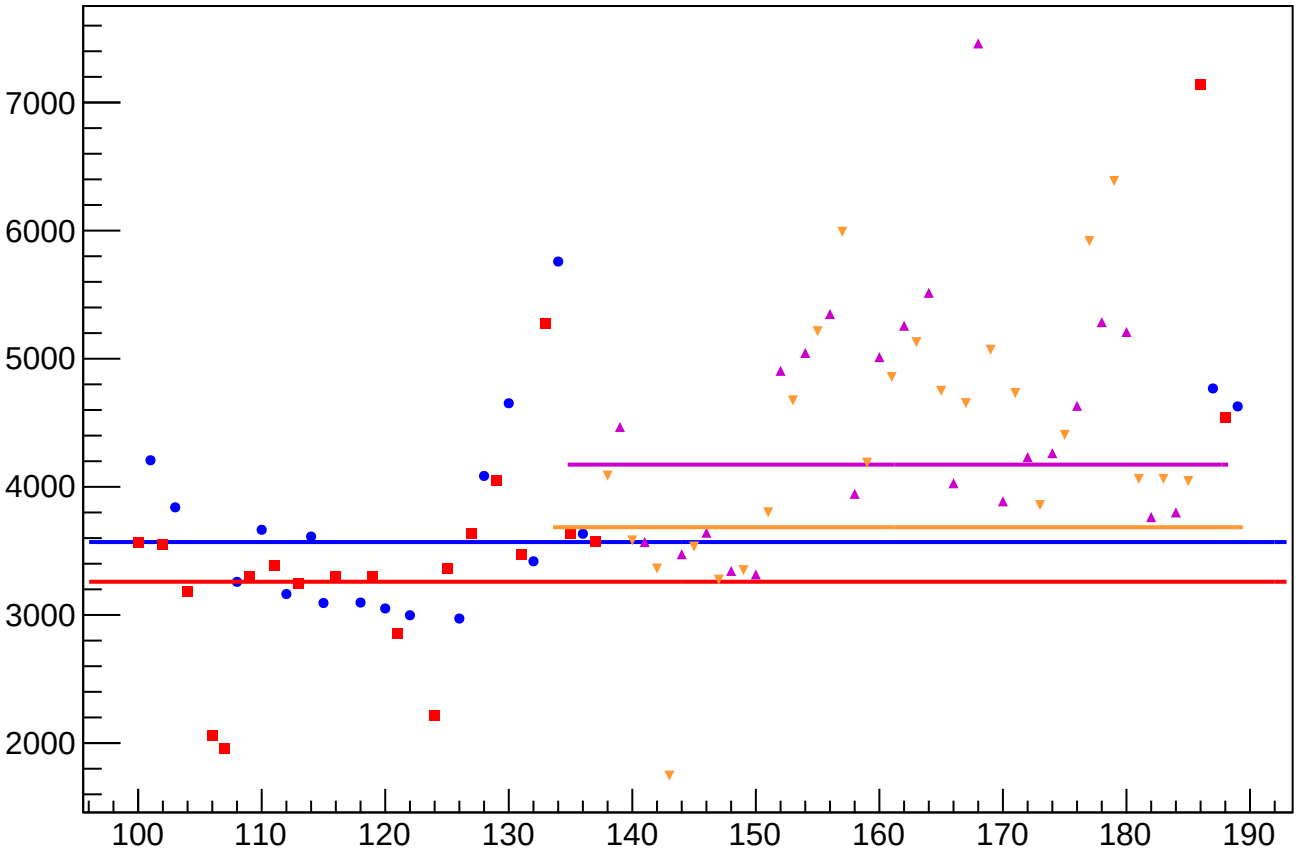
Right Out: -950.718+/-1140.555 χ^2/NDF: 26.2/20

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 206.853+/-730.329 χ^2/NDF: 44.2/42

All: -102.634+/-523.214 χ^2/NDF: 85.3/86

- sign -428.959+/-749.934 χ^2/NDF: 40.6/43



Right In: 3569.073+/-0.911 χ^2/NDF: 435971.5/17

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3259.310+/-0.806 χ^2/NDF: 1066399.1/20

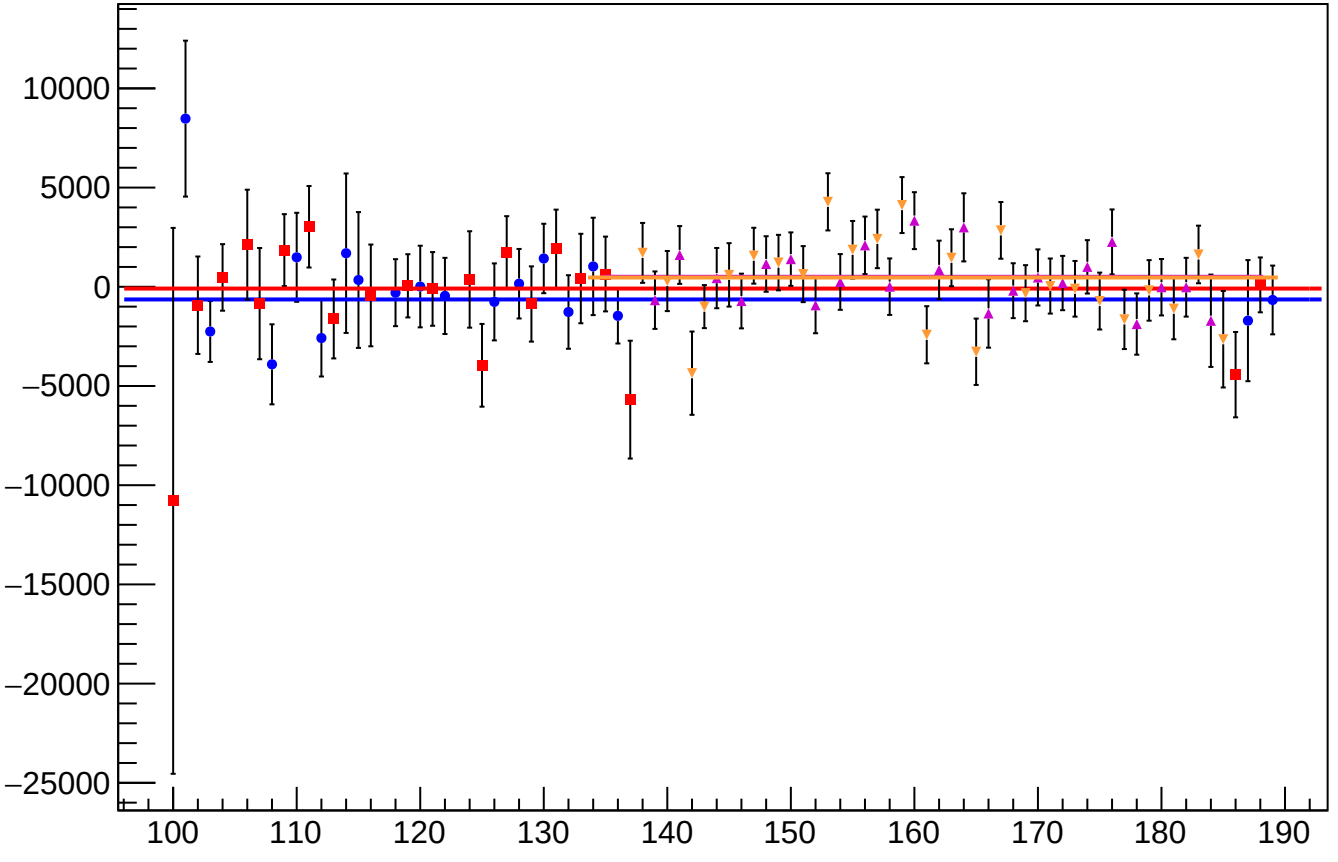
Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3647.593+/-0.516 χ^2/NDF: 4140602.0/42

All: 3711.215+/-0.370 χ^2/NDF: 7242633.3/86

- sign 3778.298+/-0.530 χ^2/NDF: 3070850.5/43

dit_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -637.990+/-469.578 χ^2/NDF: 14.2/17

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -89.620+/-448.080 χ^2/NDF: 19.1/20

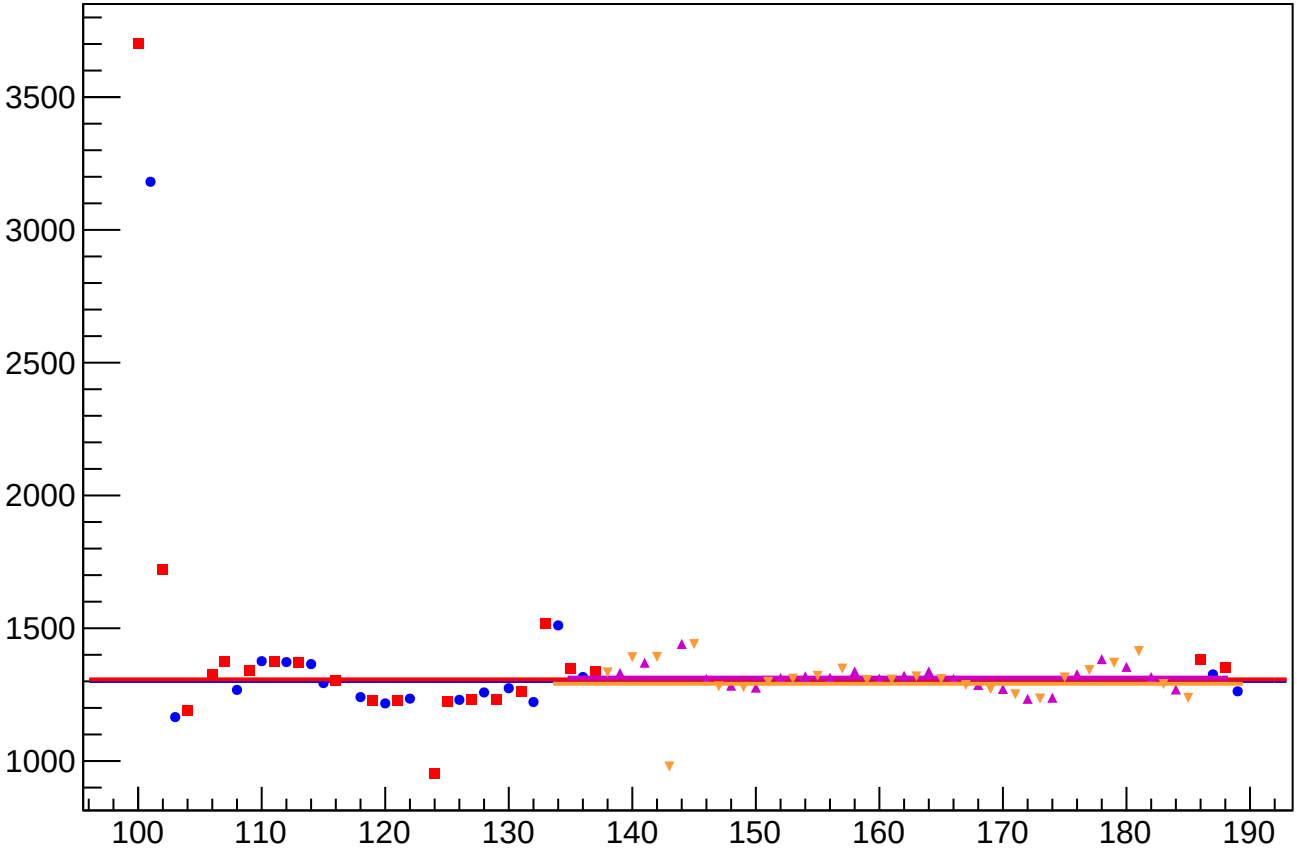
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 156.104+/-249.345 χ^2/NDF: 62.3/42

All: 233.820+/-177.692 χ^2/NDF: 100.3/86

- sign 314.014+/-253.290 χ^2/NDF: 37.7/43

dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1301.572+/-0.332 χ^2/NDF: 511789.7/17

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

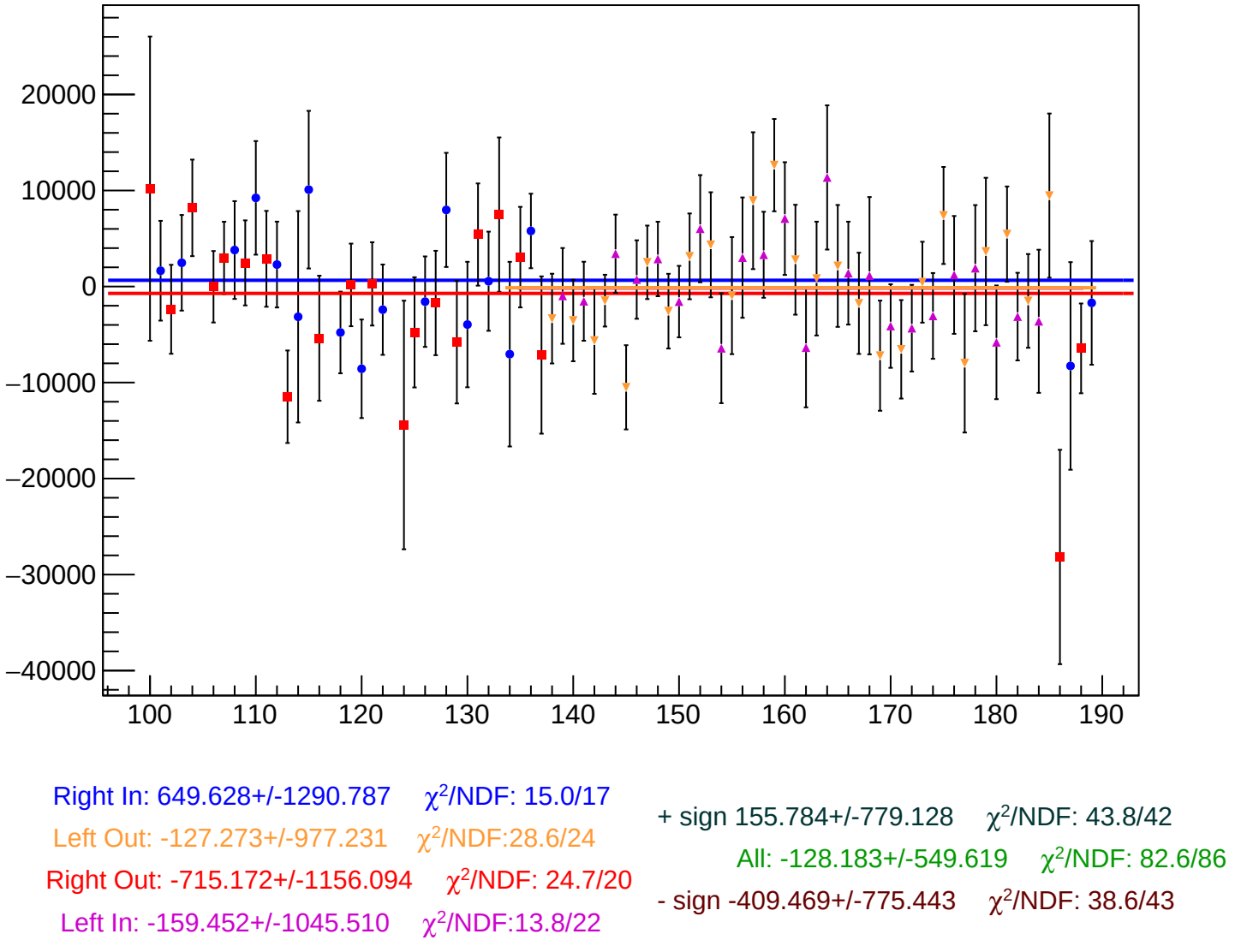
Right Out: 1307.323+/-0.317 χ^2/NDF: 218583.3/20

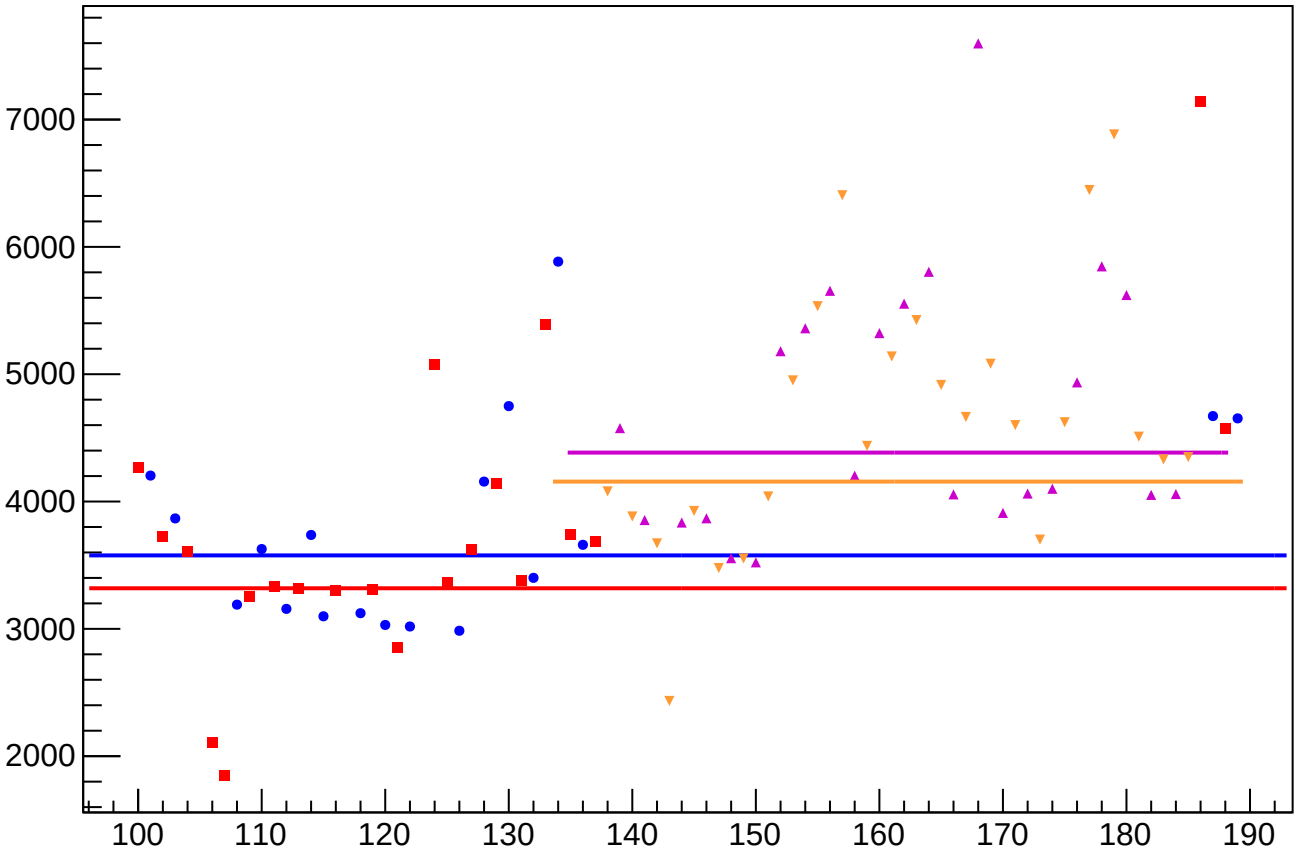
Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1294.132+/-0.176 χ^2/NDF: 743224.0/42

All: 1302.863+/-0.126 χ^2/NDF: 1010136.4/86

- sign 1311.869+/-0.179 χ^2/NDF: 261931.0/43


asym_atl_dd_atr_dd_avg_dit_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: 649.628+/-1290.787 χ²/NDF: 15.0/17
Left Out: -127.273+/-977.231 χ²/NDF:28.6/24
Right Out: -715.172+/-1156.094 χ²/NDF: 24.7/20
Left In: -159.452+/-1045.510 χ²/NDF:13.8/22
+ sign 155.784+/-779.128 χ²/NDF: 43.8/42
All: -128.183+/-549.619 χ²/NDF: 82.6/86
- sign -409.469+/-775.443 χ²/NDF: 38.6/43



Right In: 3576.938+/-0.913 χ^2/NDF: 455785.3/17

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 3318.797+/-0.817 χ^2/NDF: 1172344.7/20

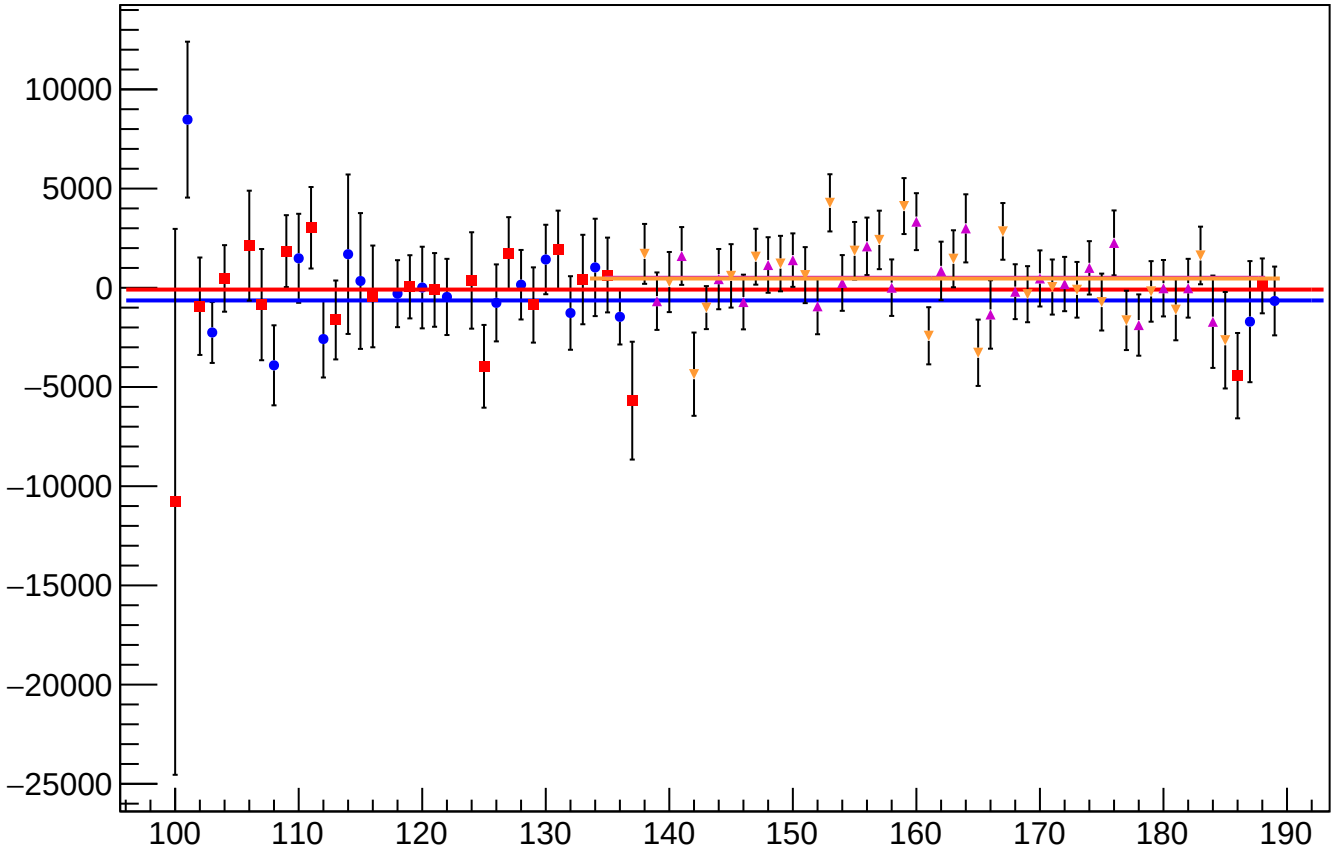
Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 3945.393+/-0.551 χ^2/NDF: 2792920.9/42

All: 3925.074+/-0.389 χ^2/NDF: 6158021.3/86

- sign 3904.946+/-0.548 χ^2/NDF: 3362392.6/43

eigen_dit_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -637.994+/-469.578 χ^2/NDF: 14.2/17

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -89.613+/-448.080 χ^2/NDF: 19.1/20

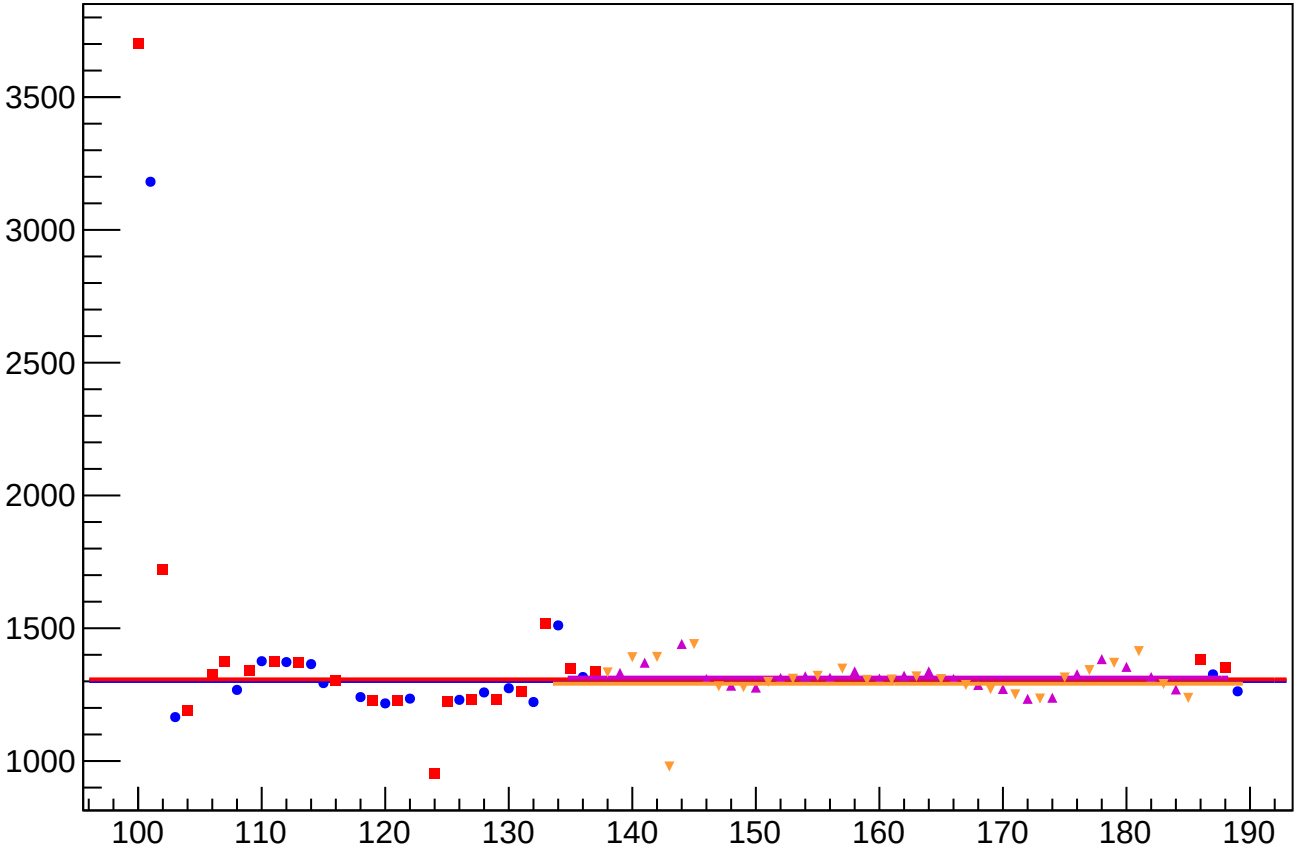
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 156.106+/-249.346 χ^2/NDF: 62.3/42

All: 233.822+/-177.692 χ^2/NDF: 100.3/86

- sign 314.016+/-253.290 χ^2/NDF: 37.7/43

eigen_dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1301.572+/-0.332 χ^2/NDF: 511789.8/17

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

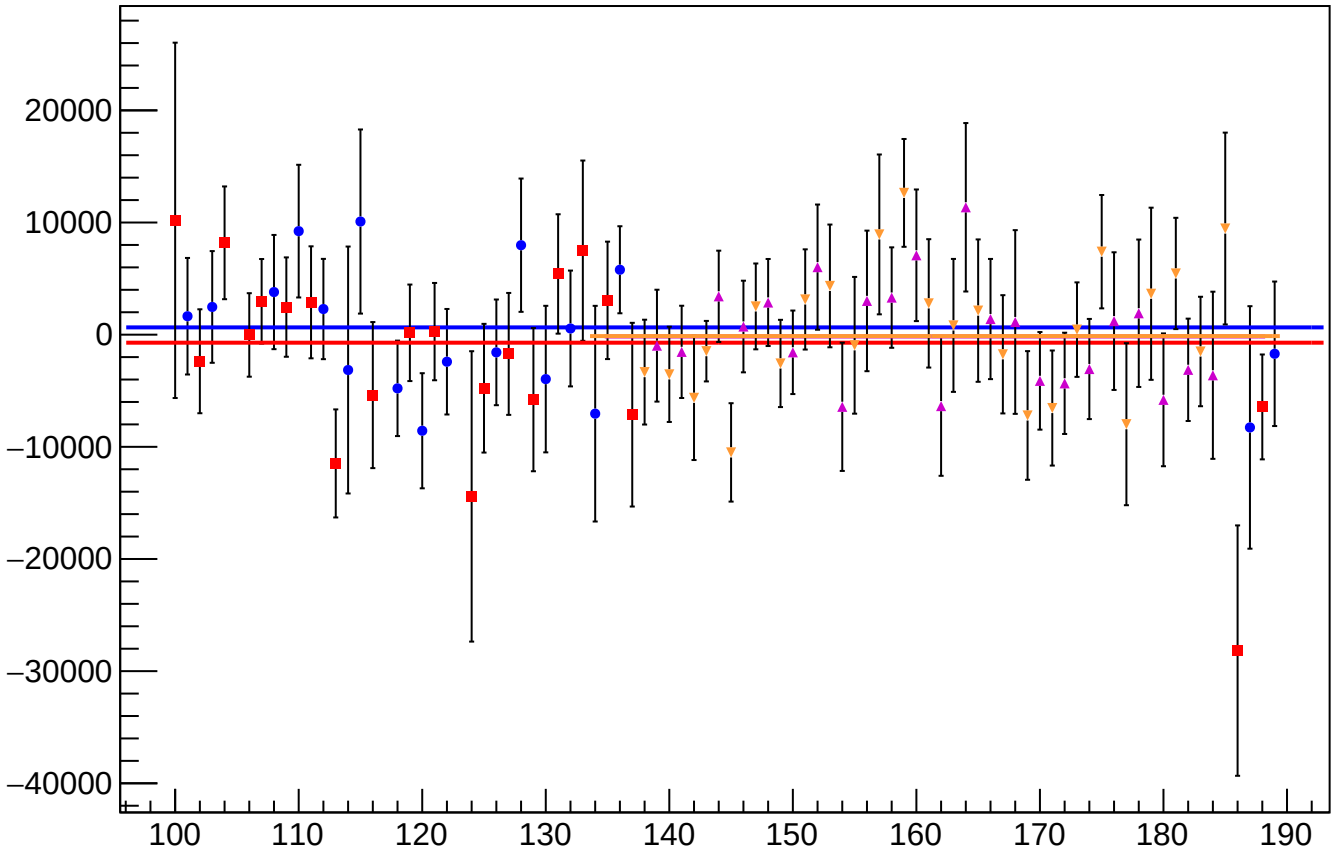
Right Out: 1307.323+/-0.317 χ^2/NDF: 218583.4/20

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1294.133+/-0.176 χ^2/NDF: 743226.4/42

All: 1302.864+/-0.126 χ^2/NDF: 1010141.1/86

- sign 1311.870+/-0.179 χ^2/NDF: 261933.3/43



Right In: 649.619+/-1290.784 χ^2/NDF: 15.0/17

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

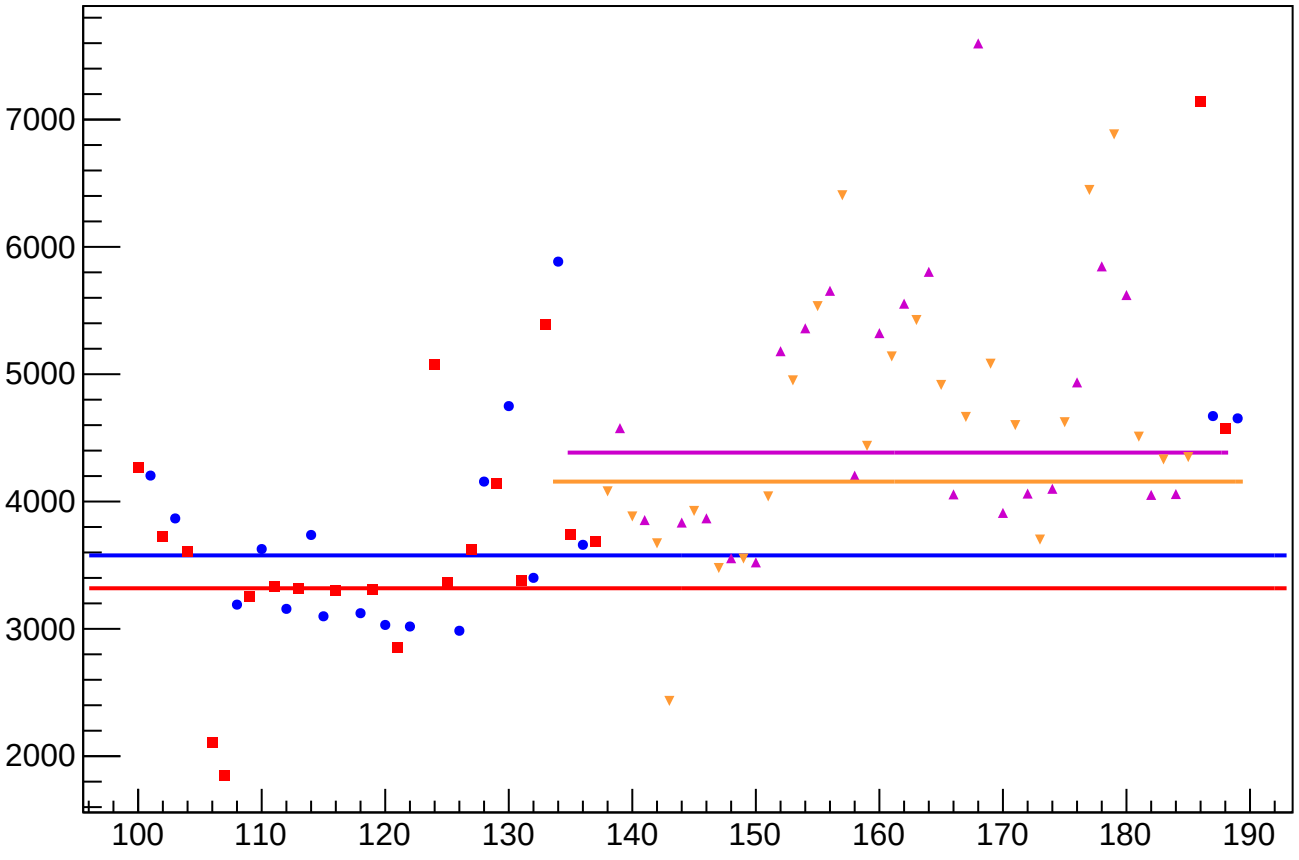
Right Out: -715.165+/-1156.092 χ^2/NDF: 24.7/20

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign 155.784+/-779.129 χ^2/NDF: 43.8/42

All: -128.182+/-549.619 χ^2/NDF: 82.6/86

- sign -409.468+/-775.443 χ^2/NDF: 38.6/43



Right In: 3576.930+/-0.913 χ^2/NDF: 455791.5/17

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3318.790+/-0.817 χ^2/NDF: 1172350.5/20

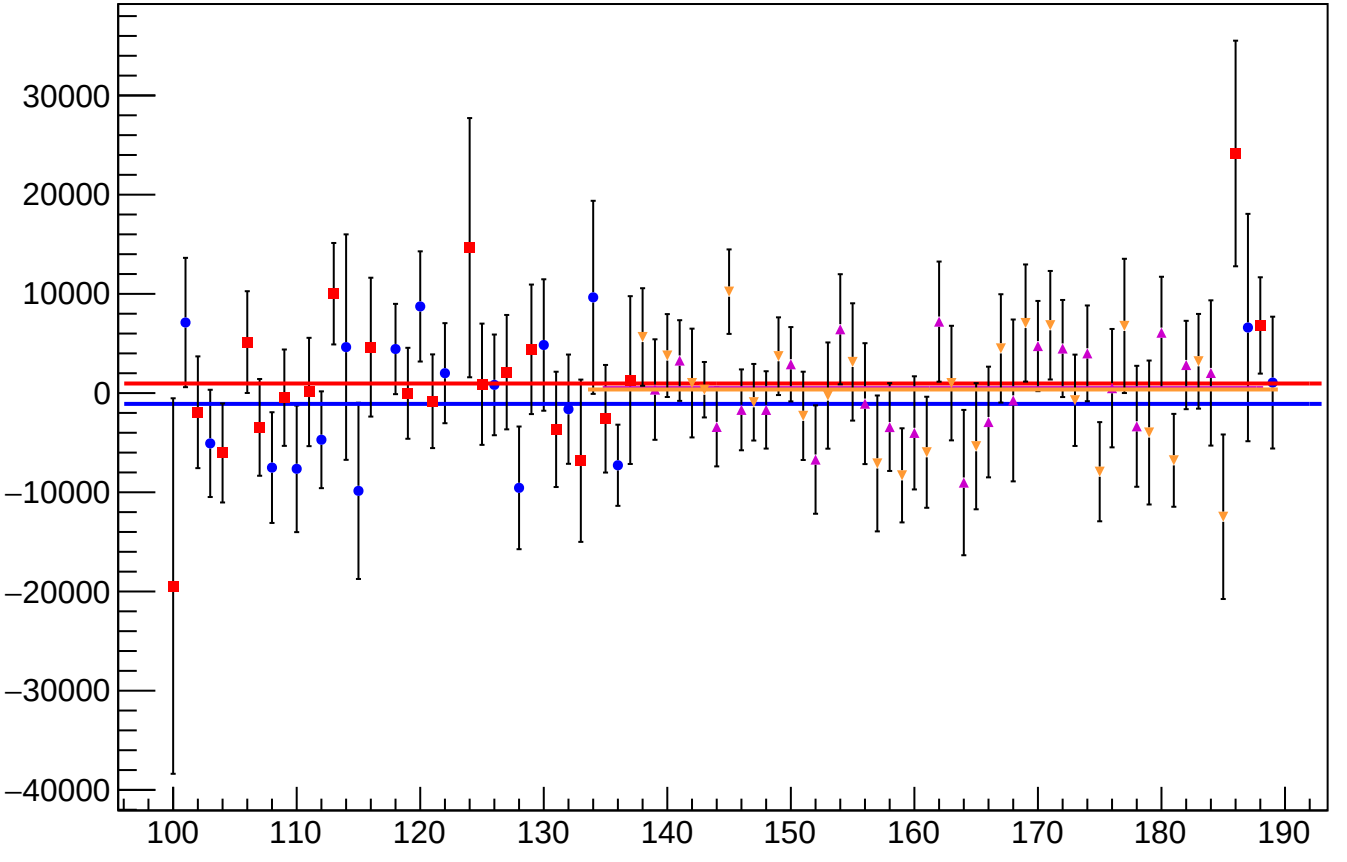
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 3945.393+/-0.551 χ^2/NDF: 2792943.8/42

All: 3925.073+/-0.389 χ^2/NDF: 6158080.4/86

- sign 3904.944+/-0.548 χ^2/NDF: 3362428.5/43

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1089.614+/-1389.186 χ^2/NDF: 18.2/17

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 964.766+/-1280.004 χ^2/NDF: 17.6/20

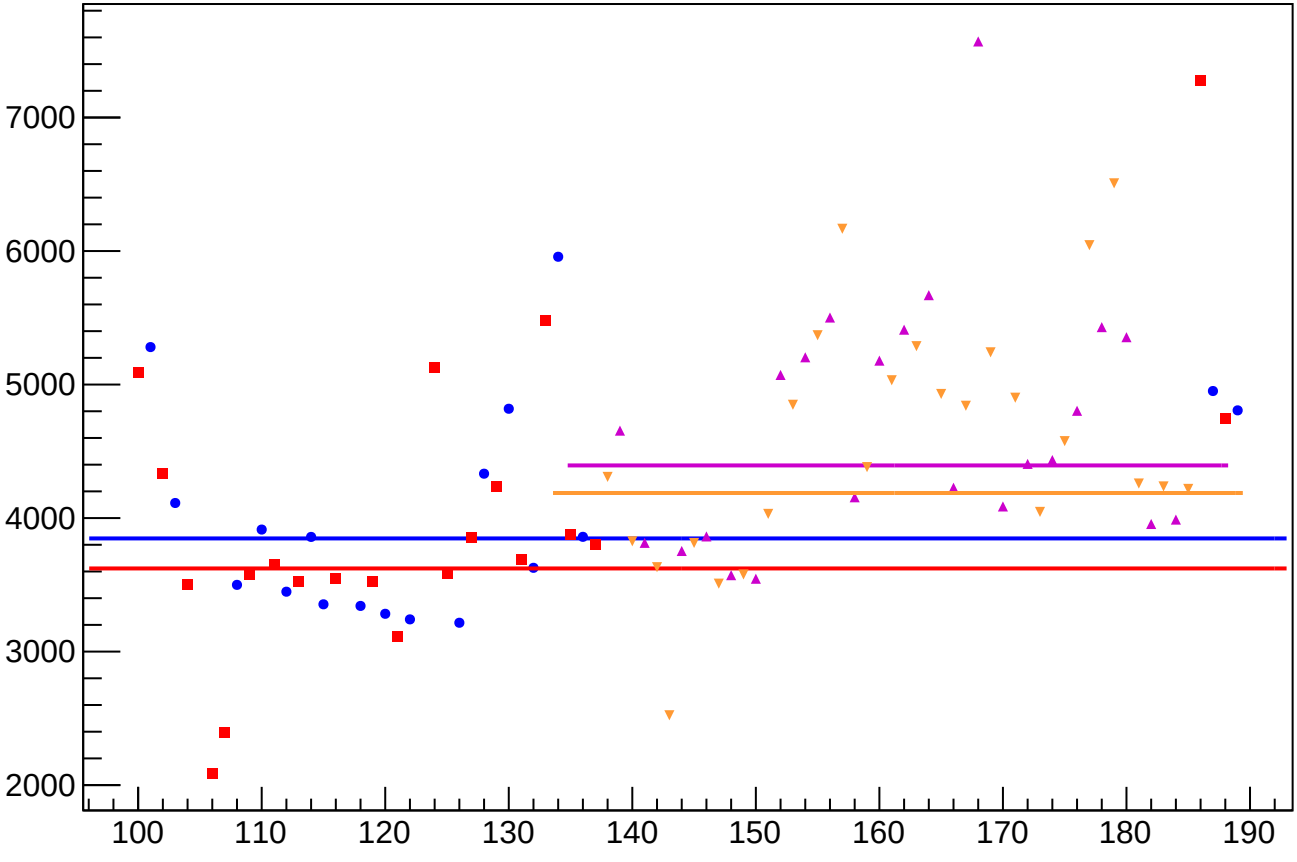
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign -119.914+/-800.716 χ^2/NDF: 46.5/42

All: 277.894+/-569.221 χ^2/NDF: 78.6/86

- sign 684.331+/-809.354 χ^2/NDF: 31.6/43

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3847.536+/-0.982 χ^2/NDF: 446964.5/17

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

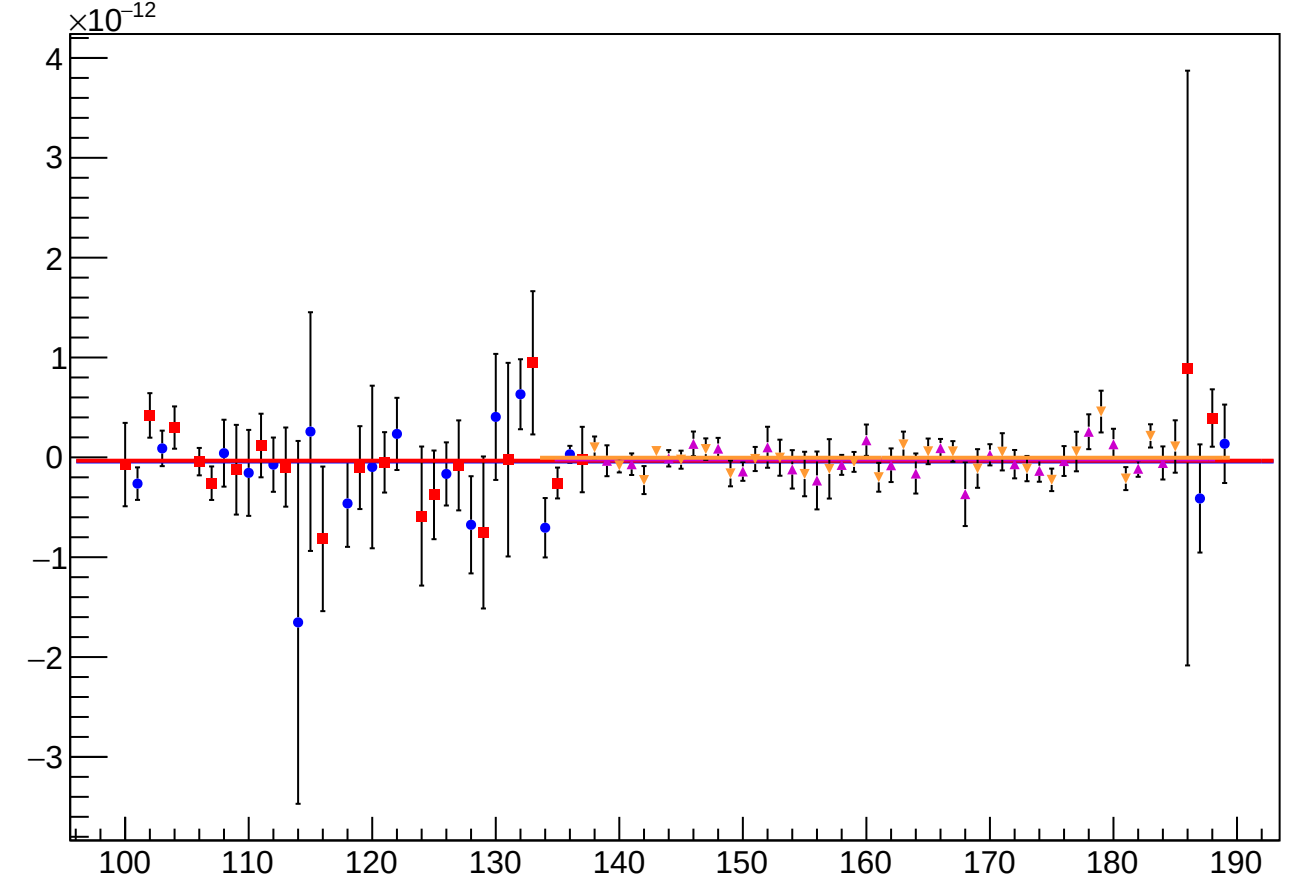
Right Out: 3622.693+/-0.894 χ^2/NDF: 921143.5/20

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

\+ sign 4074.786+/-0.566 χ^2/NDF: 2323459.3/42

All: 4077.943+/-0.401 χ^2/NDF: 4775910.5/86

\- sign 4081.135+/-0.569 χ^2/NDF: 2452388.7/43



Right In: -0.000+/-0.000 χ^2/NDF: 17.3/17

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

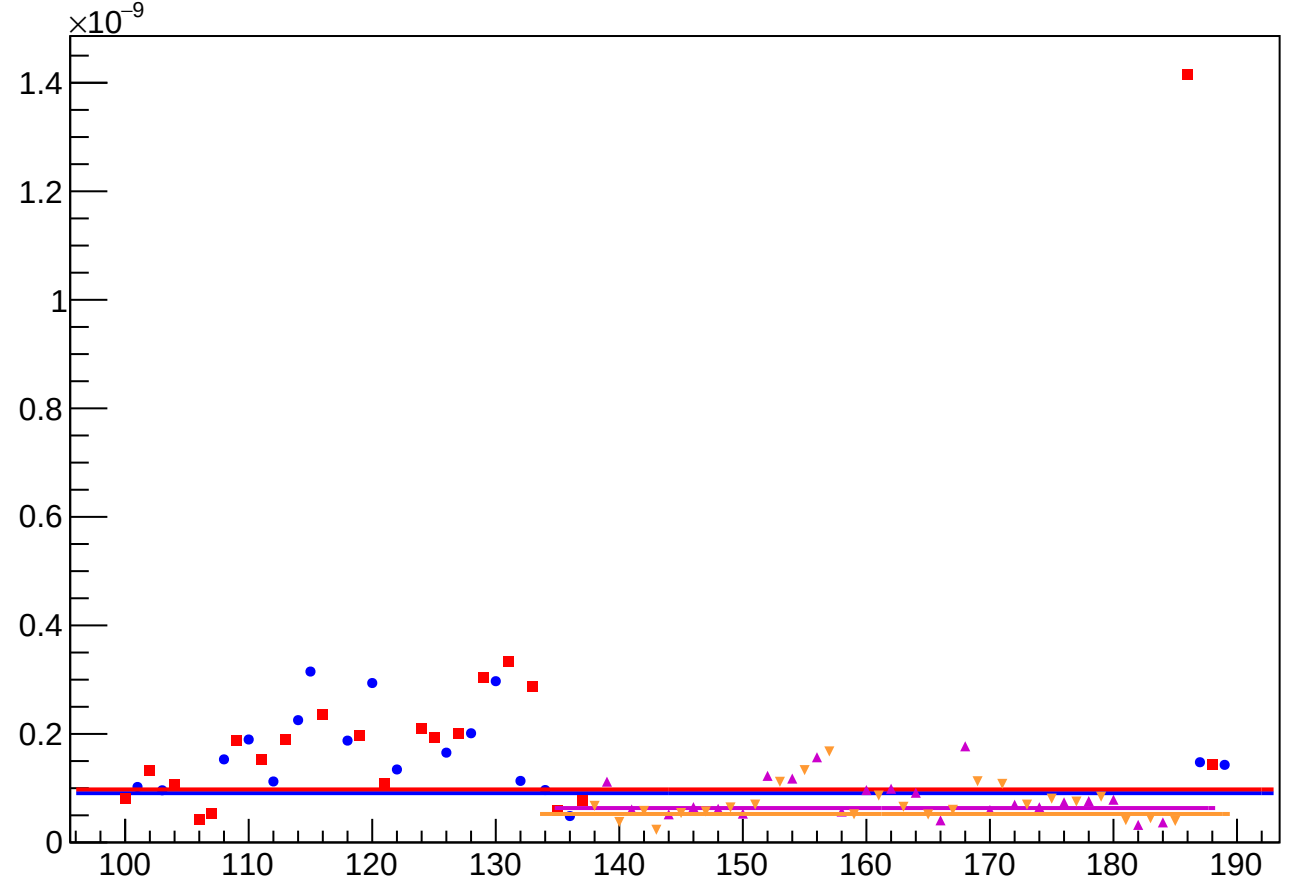
Right Out: -0.000+/-0.000 χ^2/NDF: 18.3/20

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.1/42

All: -0.000+/-0.000 χ^2/NDF: 83.7/86

- sign -0.000+/-0.000 χ^2/NDF: 35.3/43



Right In: 0.000+/-0.000 χ^2/NDF: 1520132.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2182752.7/20

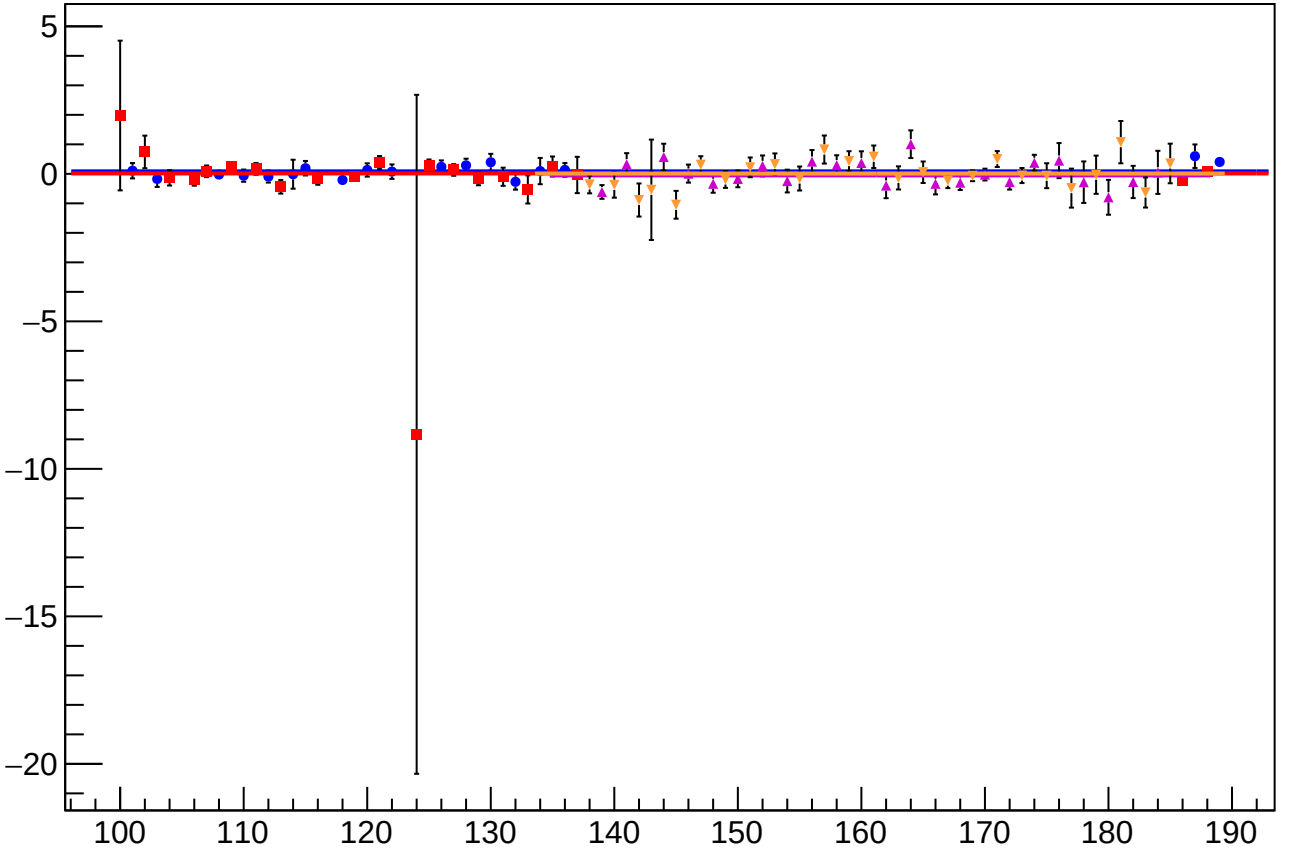
Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 4910675.9/42

All: 0.000+/-0.000 χ^2/NDF: 9640579.9/86

- sign 0.000+/-0.000 χ^2/NDF: 4485941.2/43

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.085+/-0.053 χ^2/NDF: 16.5/17

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.013+/-0.045 χ^2/NDF: 24.7/20

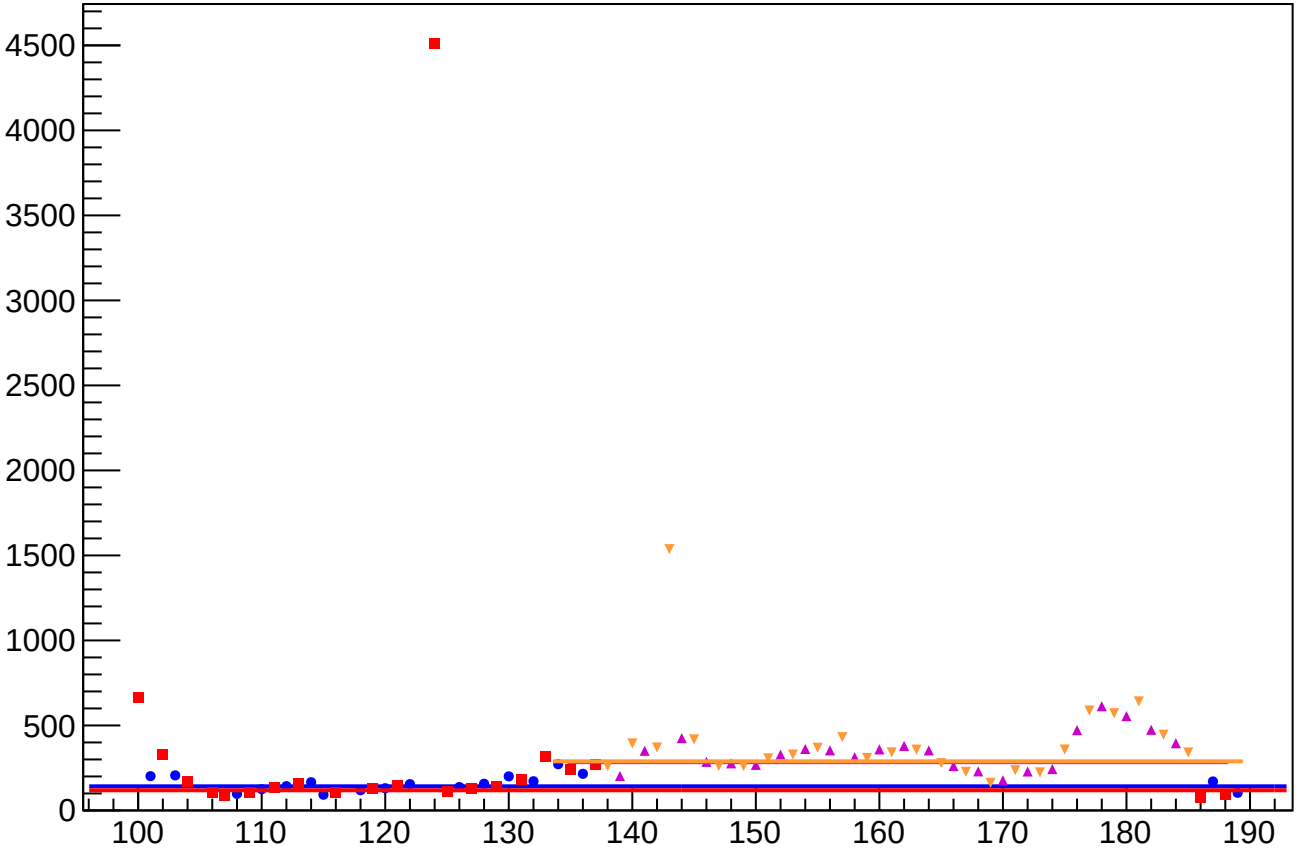
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.057+/-0.043 χ^2/NDF: 46.1/42

All: 0.022+/-0.028 χ^2/NDF: 100.5/86

- sign -0.006+/-0.038 χ^2/NDF: 53.1/43

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 141.924+/-0.038 χ^2/NDF: 1149472.7/17

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

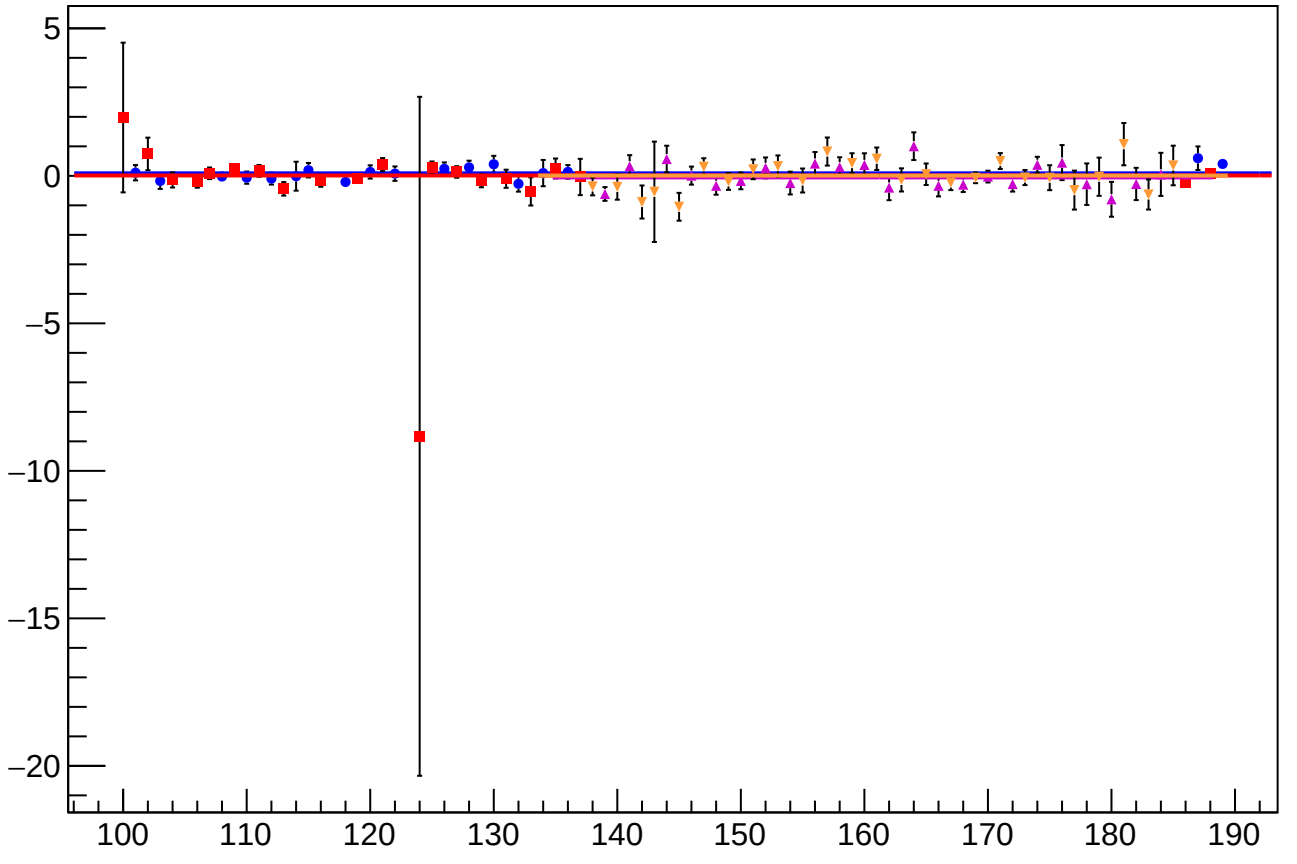
Right Out: 118.570+/-0.032 χ^2/NDF: 2147690.3/20

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 195.074+/-0.030 χ^2/NDF: 11268159.1/42

All: 178.978+/-0.020 χ^2/NDF: 24872287.2/86

- sign 166.354+/-0.027 χ^2/NDF: 13097139.0/43



Right In: 0.085+/-0.053 χ^2/NDF: 16.5/17

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

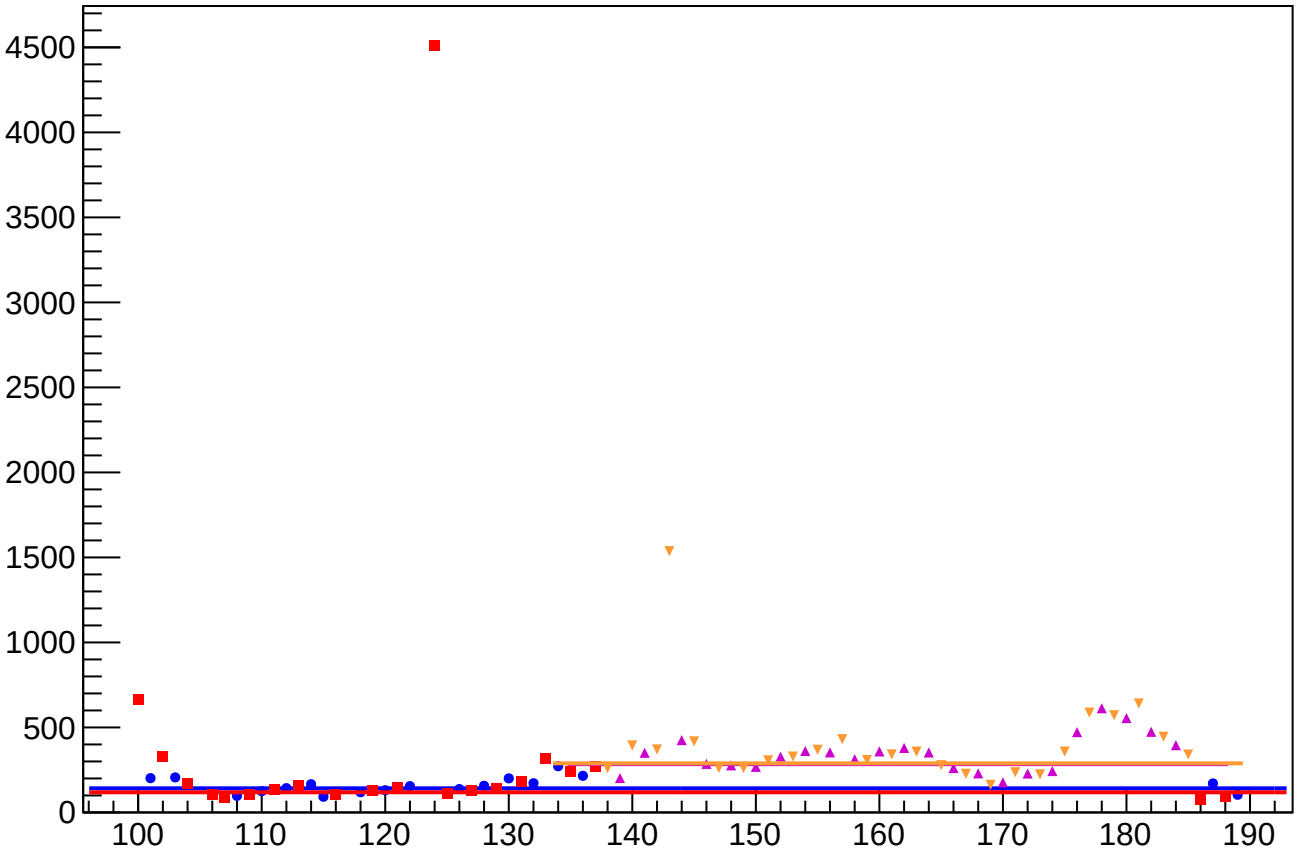
Right Out: 0.013+/-0.045 χ^2/NDF: 24.7/20

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.057+/-0.043 χ^2/NDF: 46.1/42

All: 0.022+/-0.028 χ^2/NDF: 100.5/86

- sign -0.006+/-0.038 χ^2/NDF: 53.1/43



Right In: 141.924+/-0.038 χ^2/NDF: 1149472.7/17

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

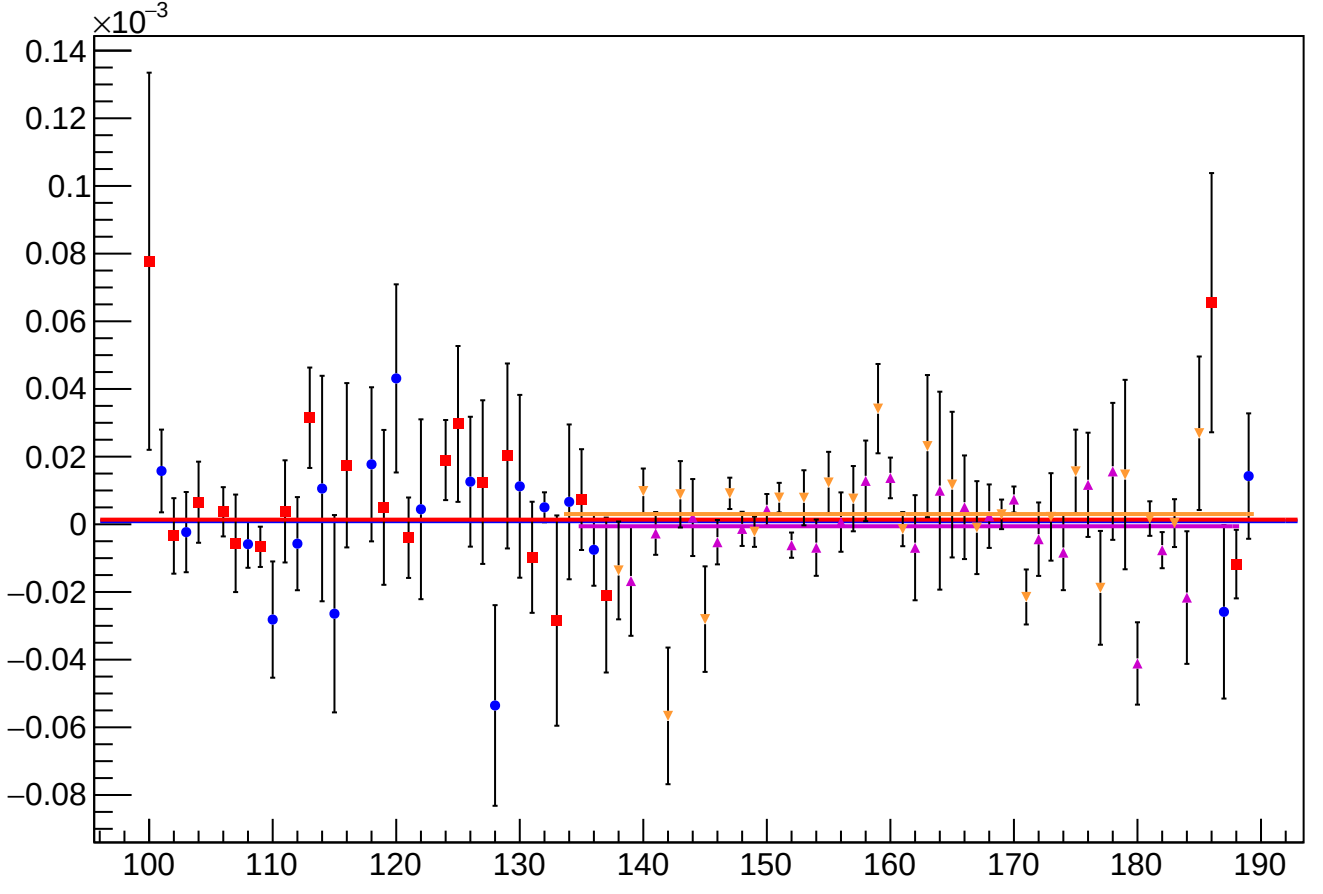
Right Out: 118.570+/-0.032 χ^2/NDF: 2147690.3/20

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 195.074+/-0.030 χ^2/NDF: 11268159.1/42

All: 178.978+/-0.020 χ^2/NDF: 24872287.2/86

- sign 166.354+/-0.027 χ^2/NDF: 13097139.0/43



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/17

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

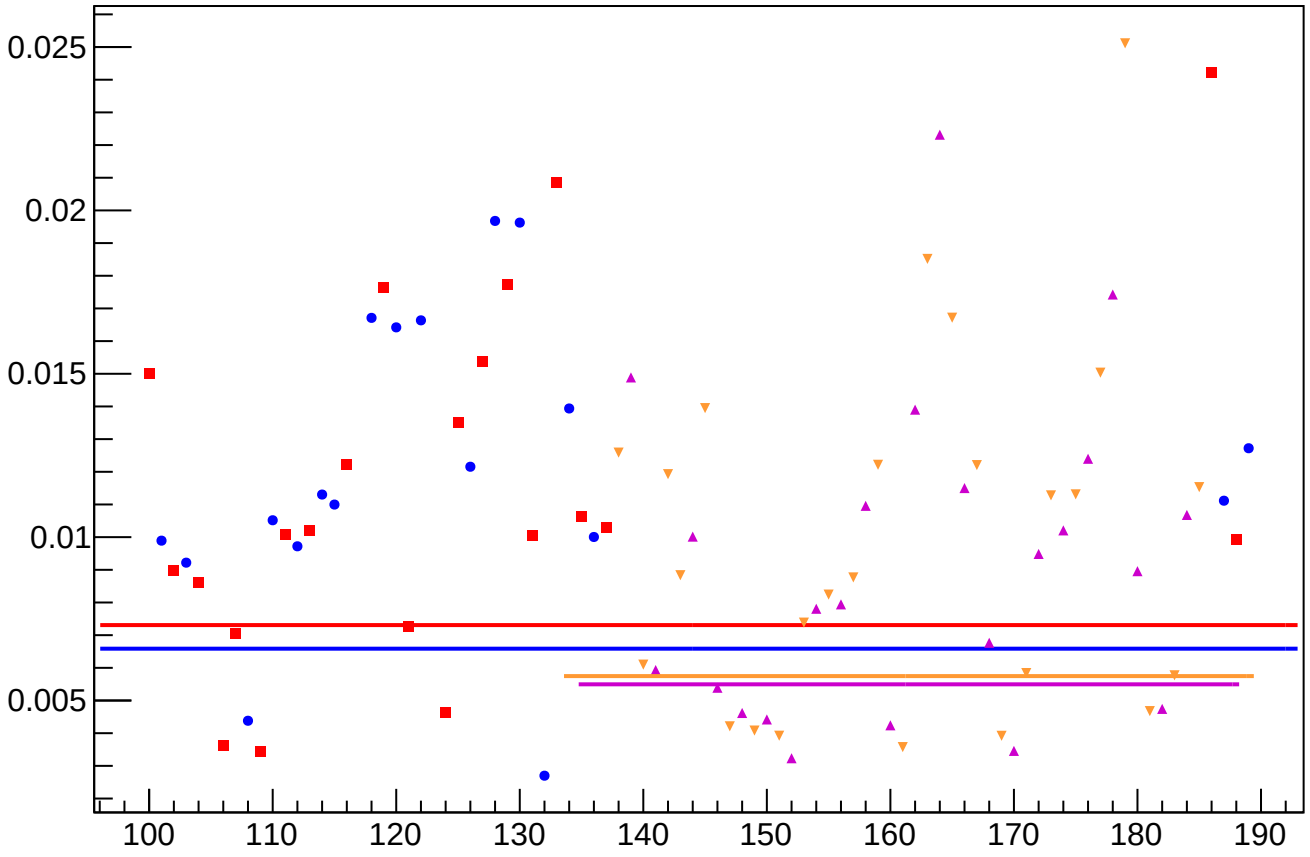
Right Out: 0.000+/-0.000 χ^2/NDF: 20.6/20

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 59.1/42

All: 0.000+/-0.000 χ^2/NDF: 115.3/86

- sign -0.000+/-0.000 χ^2/NDF: 54.1/43



Right In: 0.007+/-0.000 χ^2/NDF: 4931851.5/17

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

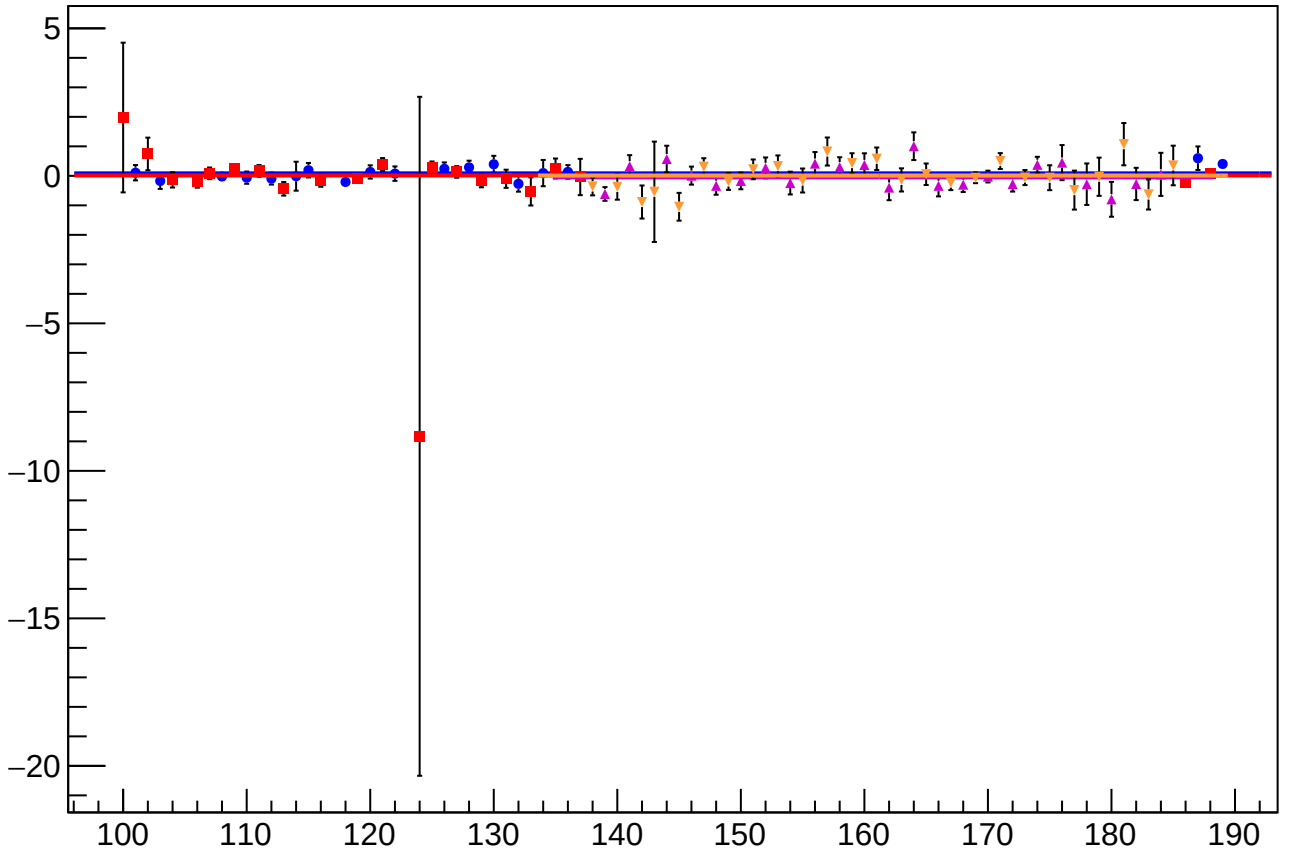
Right Out: 0.007+/-0.000 χ^2/NDF: 3959056.4/20

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

+ sign 0.006+/-0.000 χ^2/NDF: 13193582.6/42

All: 0.006+/-0.000 χ^2/NDF: 24711165.7/86

- sign 0.006+/-0.000 χ^2/NDF: 11516593.0/43



Right In: 0.085+/-0.053 χ^2/NDF: 16.5/17

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

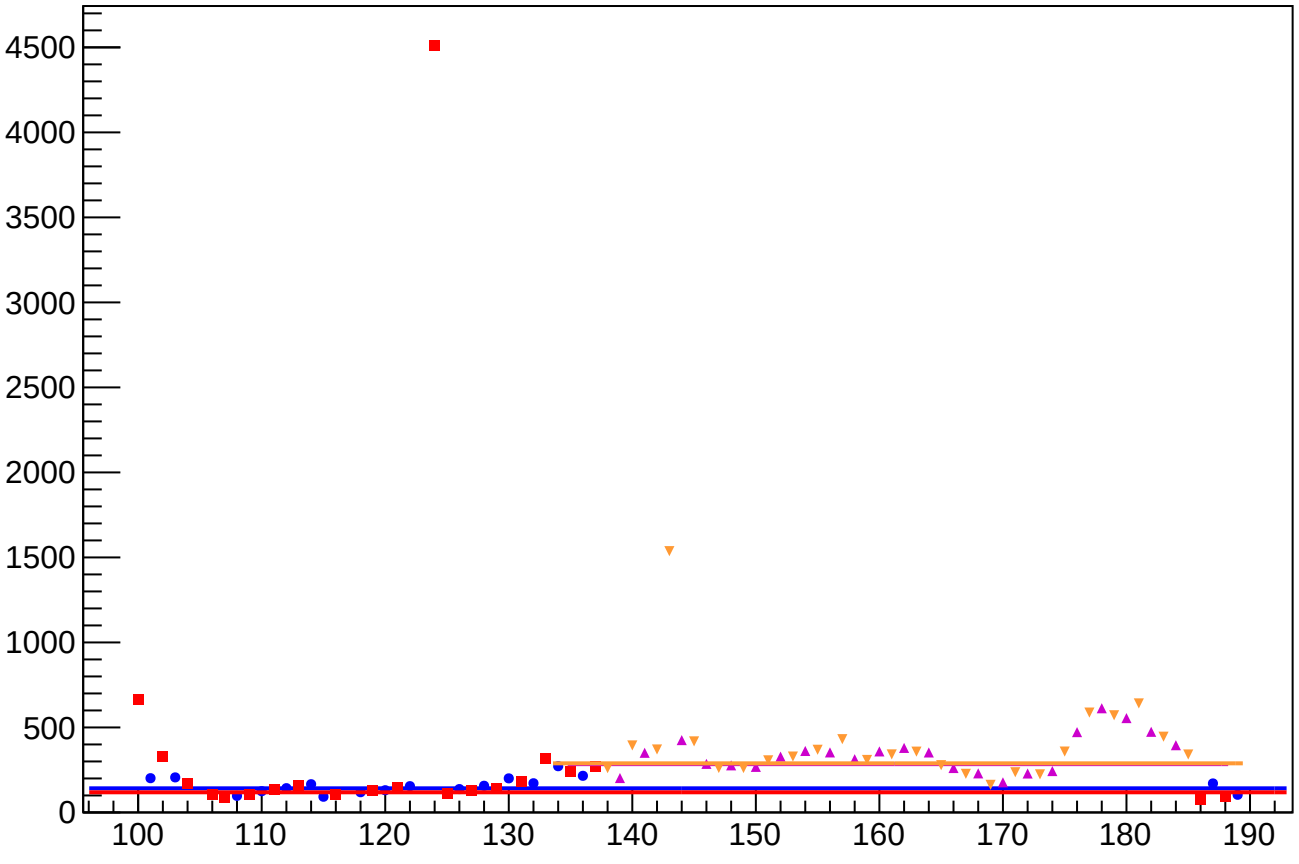
Right Out: 0.013+/-0.045 χ^2/NDF: 24.7/20

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.057+/-0.043 χ^2/NDF: 46.1/42

All: 0.022+/-0.028 χ^2/NDF: 100.5/86

- sign -0.006+/-0.038 χ^2/NDF: 53.1/43



Right In: 141.923+/-0.038 χ^2/NDF: 1149435.7/17

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

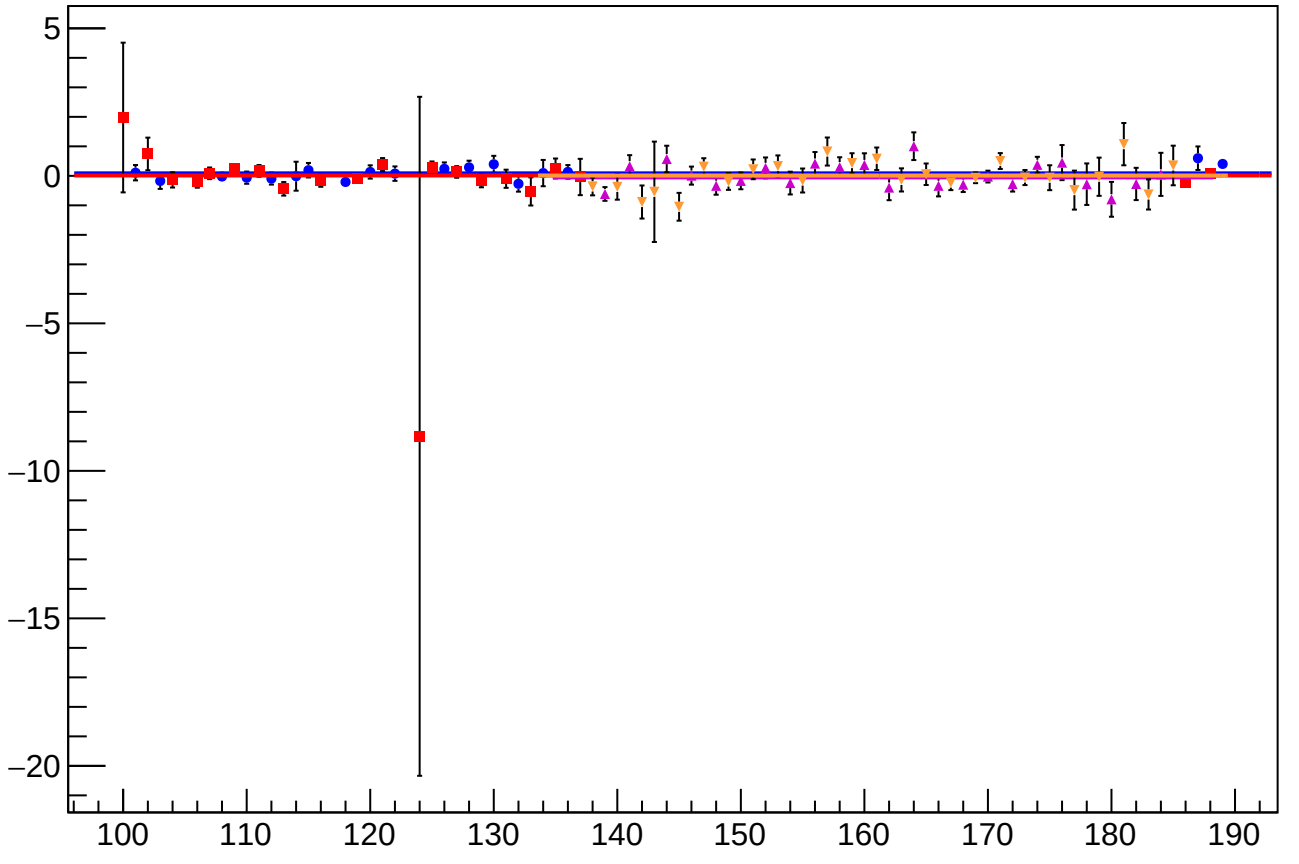
Right Out: 118.572+/-0.032 χ^2/NDF: 2147574.0/20

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 195.073+/-0.030 χ^2/NDF: 11268366.3/42

All: 178.979+/-0.020 χ^2/NDF: 24872205.4/86

- sign 166.356+/-0.027 χ^2/NDF: 13096958.9/43



Right In: 0.085+/-0.053 χ^2/NDF: 16.5/17

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

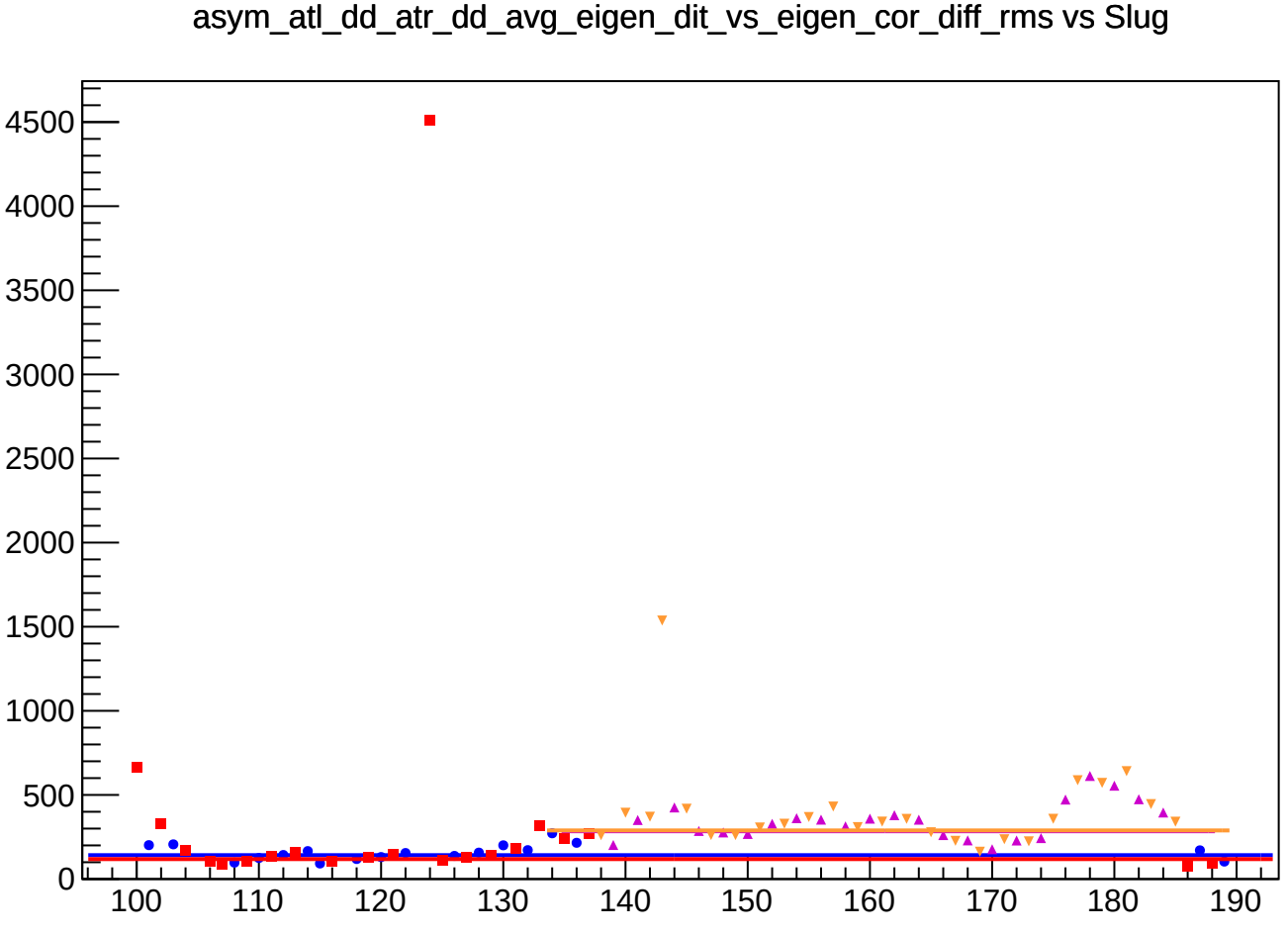
Right Out: 0.013+/-0.045 χ^2/NDF: 24.7/20

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.057+/-0.043 χ^2/NDF: 46.1/42

All: 0.022+/-0.028 χ^2/NDF: 100.5/86

- sign -0.006+/-0.038 χ^2/NDF: 53.1/43



Right In: 141.923+/-0.038 χ^2/NDF: 1149435.7/17

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

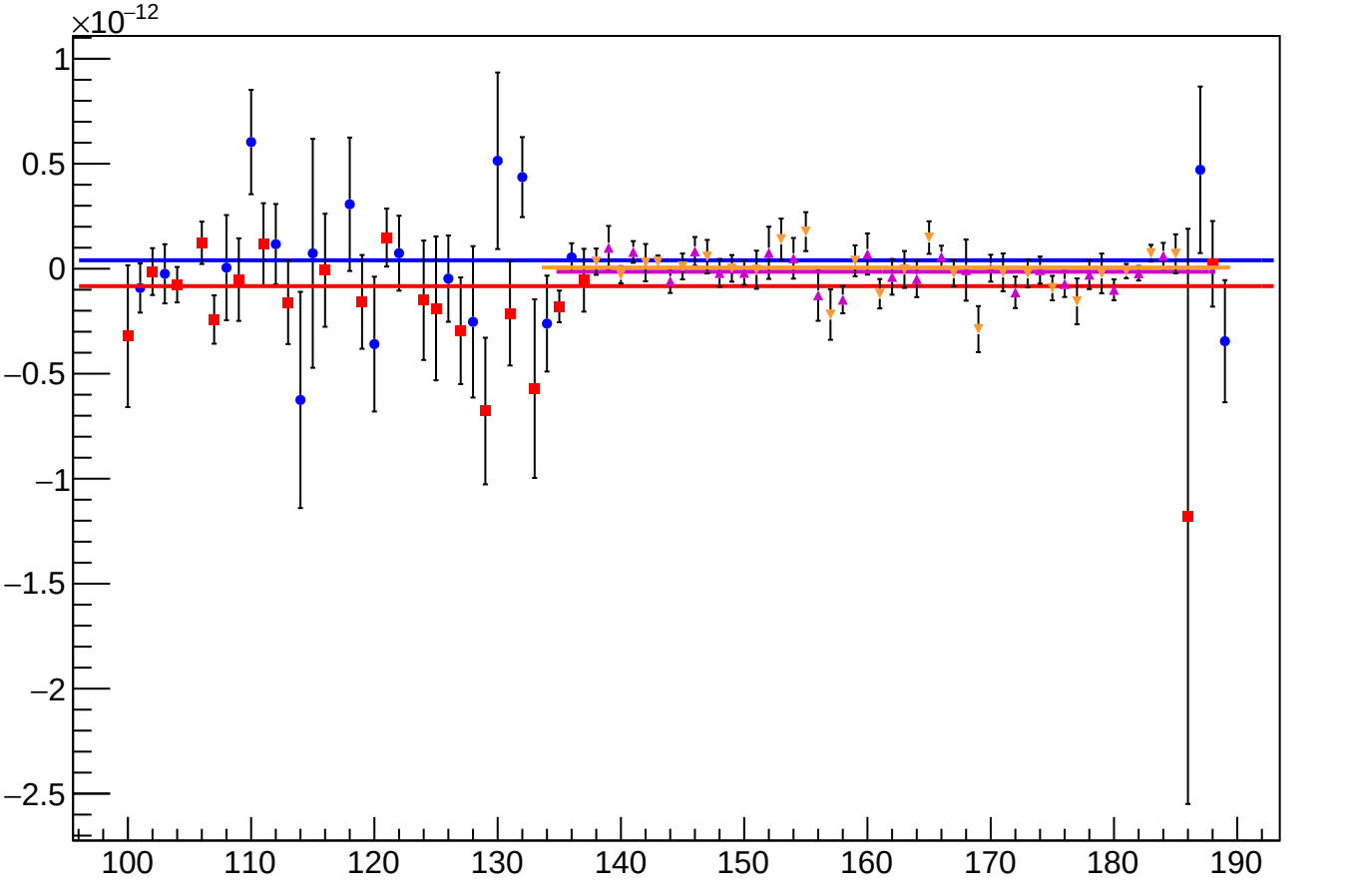
Right Out: 118.572+/-0.032 χ^2/NDF: 2147574.0/20

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 195.073+/-0.030 χ^2/NDF: 11268366.3/42

All: 178.979+/-0.020 χ^2/NDF: 24872205.4/86

- sign 166.356+/-0.027 χ^2/NDF: 13096958.9/43



Right In: 0.000+/-0.000 χ^2/NDF: 21.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

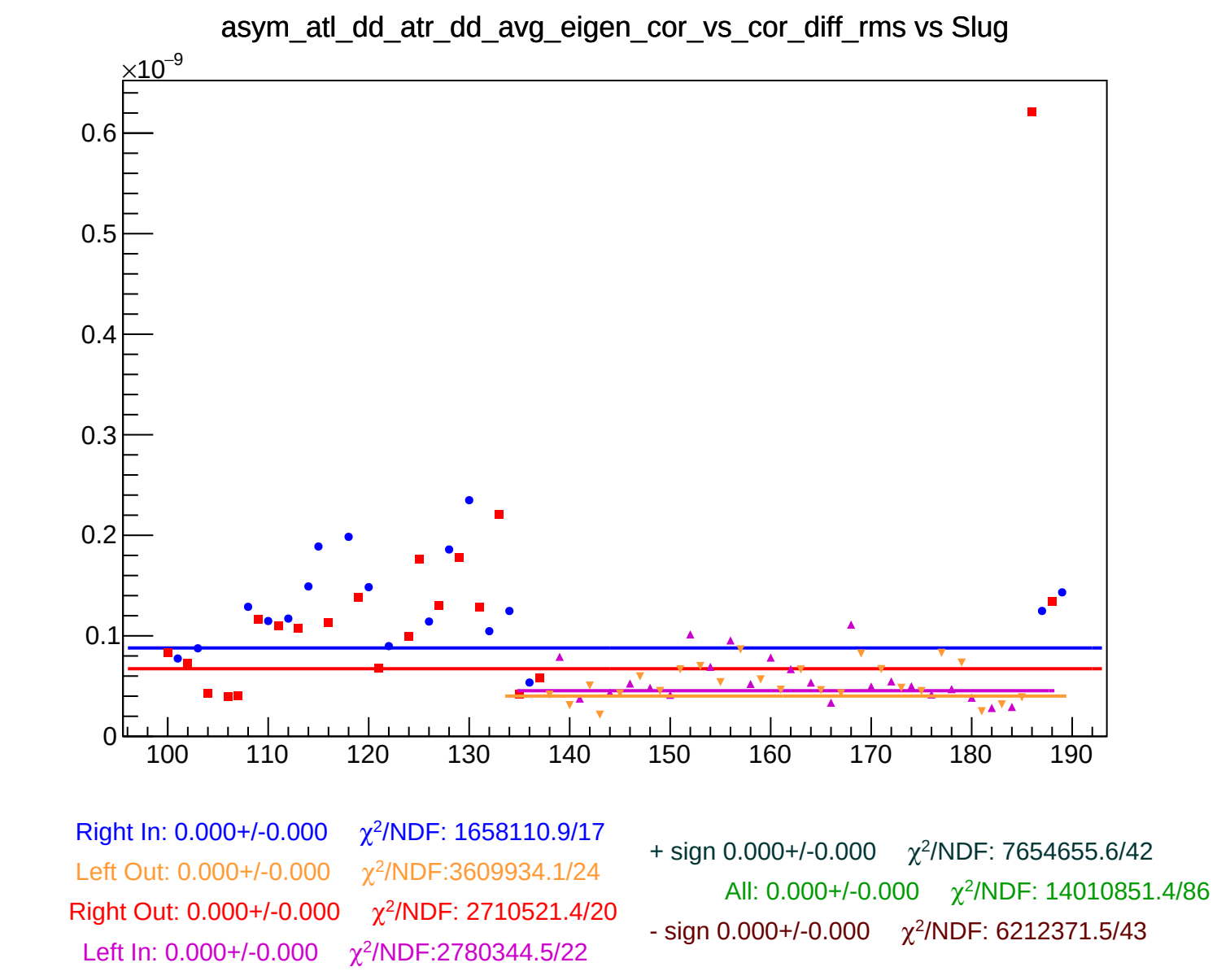
Right Out: -0.000+/-0.000 χ^2/NDF: 19.1/20

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

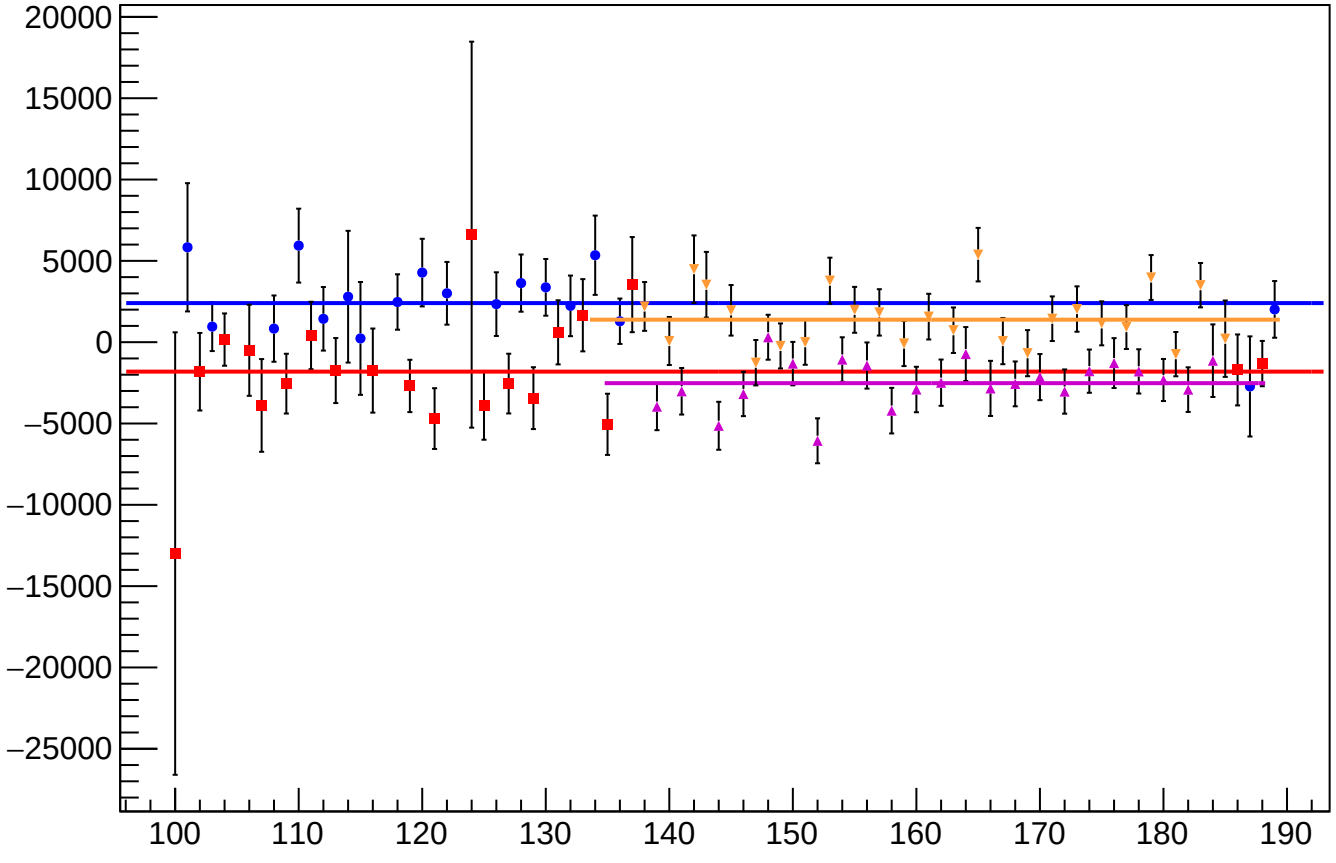
+ sign 0.000+/-0.000 χ^2/NDF: 56.7/42

All: -0.000+/-0.000 χ^2/NDF: 106.1/86

- sign -0.000+/-0.000 χ^2/NDF: 45.9/43


asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1658110.9/17
Left Out: 0.000+/-0.000 χ²/NDF:3609934.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 2710521.4/20
Left In: 0.000+/-0.000 χ²/NDF:2780344.5/22
+ sign 0.000+/-0.000 χ²/NDF: 7654655.6/42
All: 0.000+/-0.000 χ²/NDF: 14010851.4/86
- sign 0.000+/-0.000 χ²/NDF: 6212371.5/43

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2403.429+/-470.874 χ^2/NDF: 12.0/17

Left Out: 1383.252+/-292.777 χ^2/NDF:32.9/24

Right Out: -1810.314+/-455.915 χ^2/NDF: 19.7/20

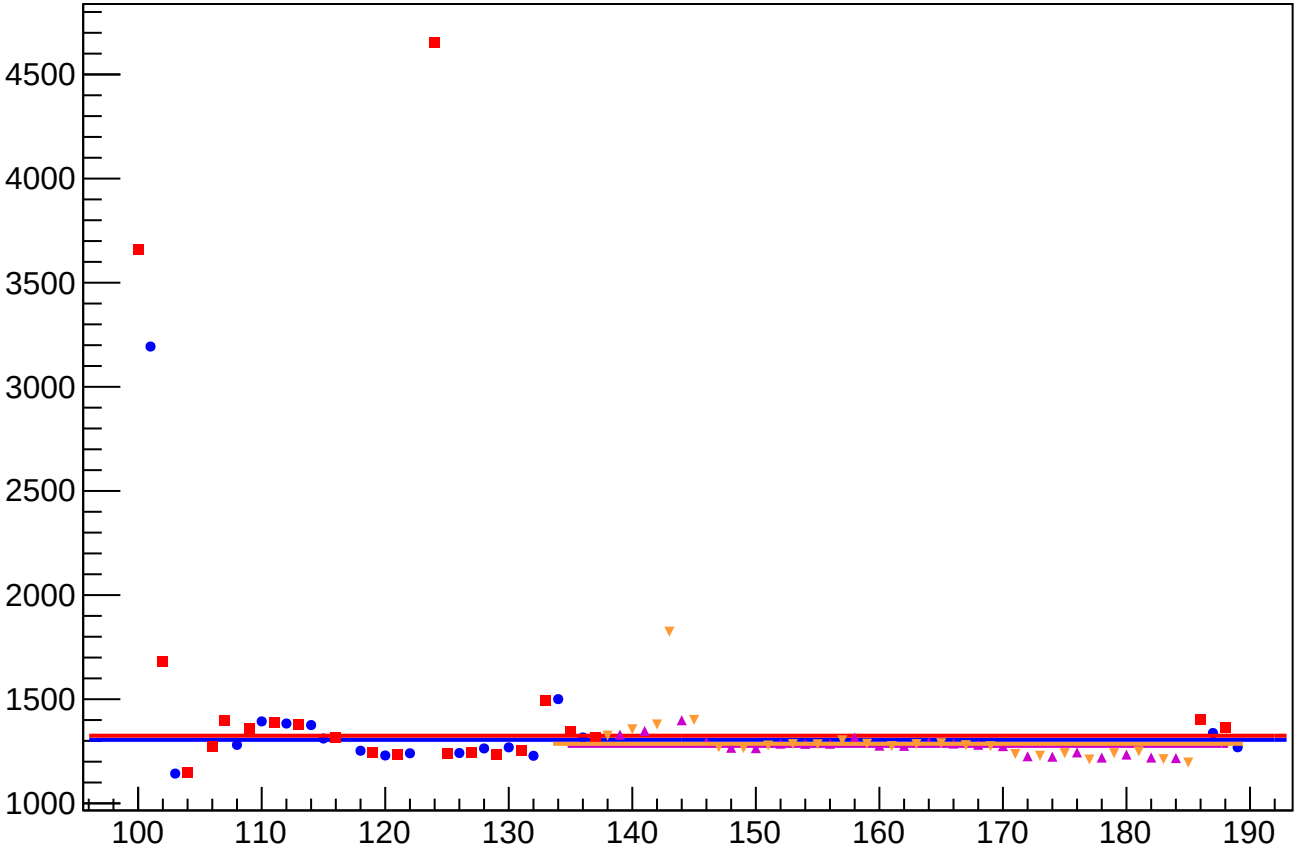
Left In: -2519.365+/-298.095 χ^2/NDF:22.5/22

+ sign 1667.690+/-248.634 χ^2/NDF: 48.3/42

All: -312.776+/-176.115 χ^2/NDF: 219.5/86

- sign -2307.020+/-249.498 χ^2/NDF: 43.8/43

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1305.019+/-0.333 χ^2/NDF: 517352.5/17

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

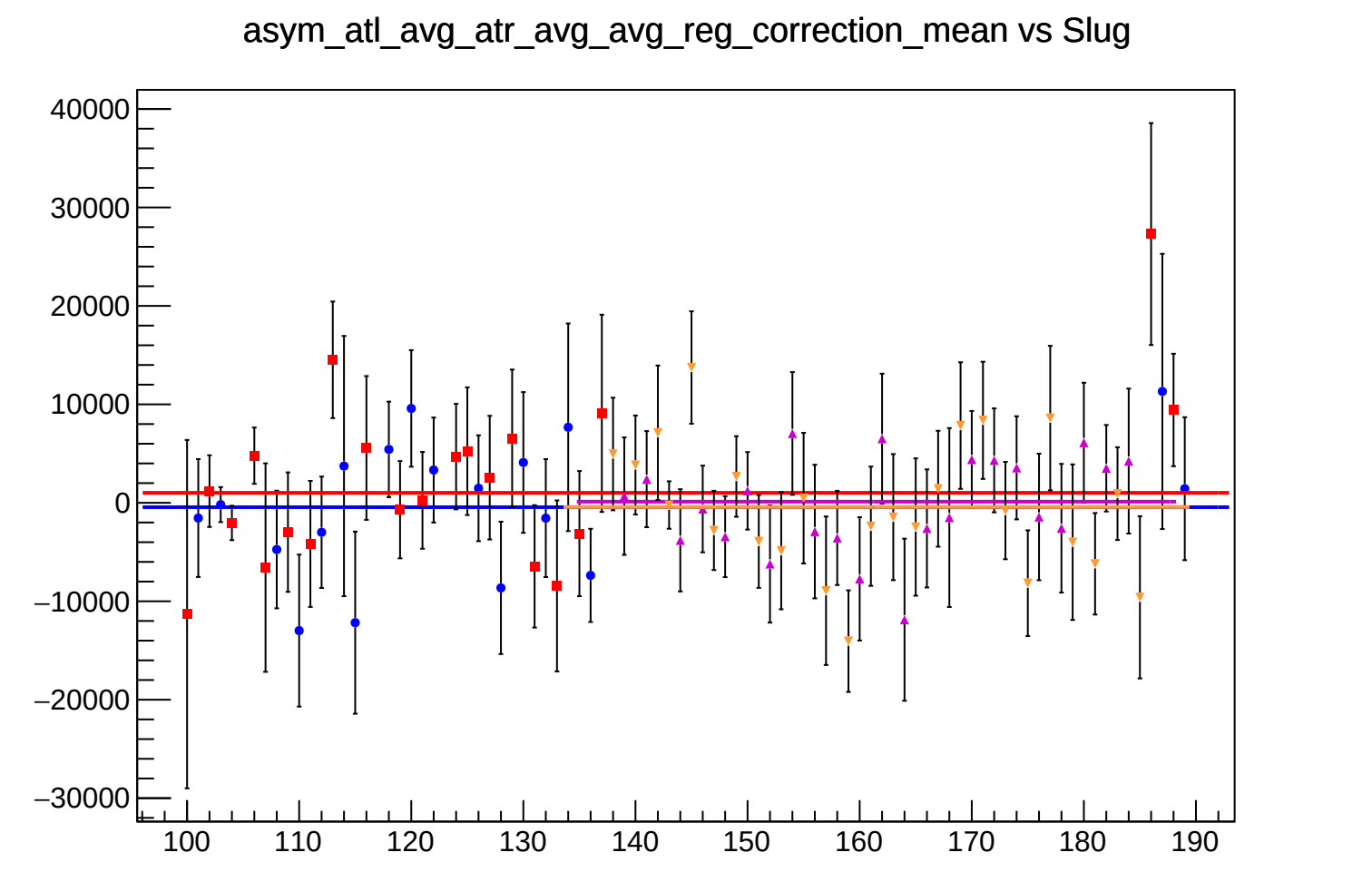
Right Out: 1324.798+/-0.322 χ^2/NDF: 331155.3/20

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1291.050+/-0.176 χ^2/NDF: 710820.4/42

All: 1290.835+/-0.124 χ^2/NDF: 1099519.1/86

- sign 1290.619+/-0.176 χ^2/NDF: 388695.7/43



Right In: -445.350+/-1172.919 χ^2/NDF: 15.5/17

Left Out: -428.530+/-1038.038 χ^2/NDF:29.8/24

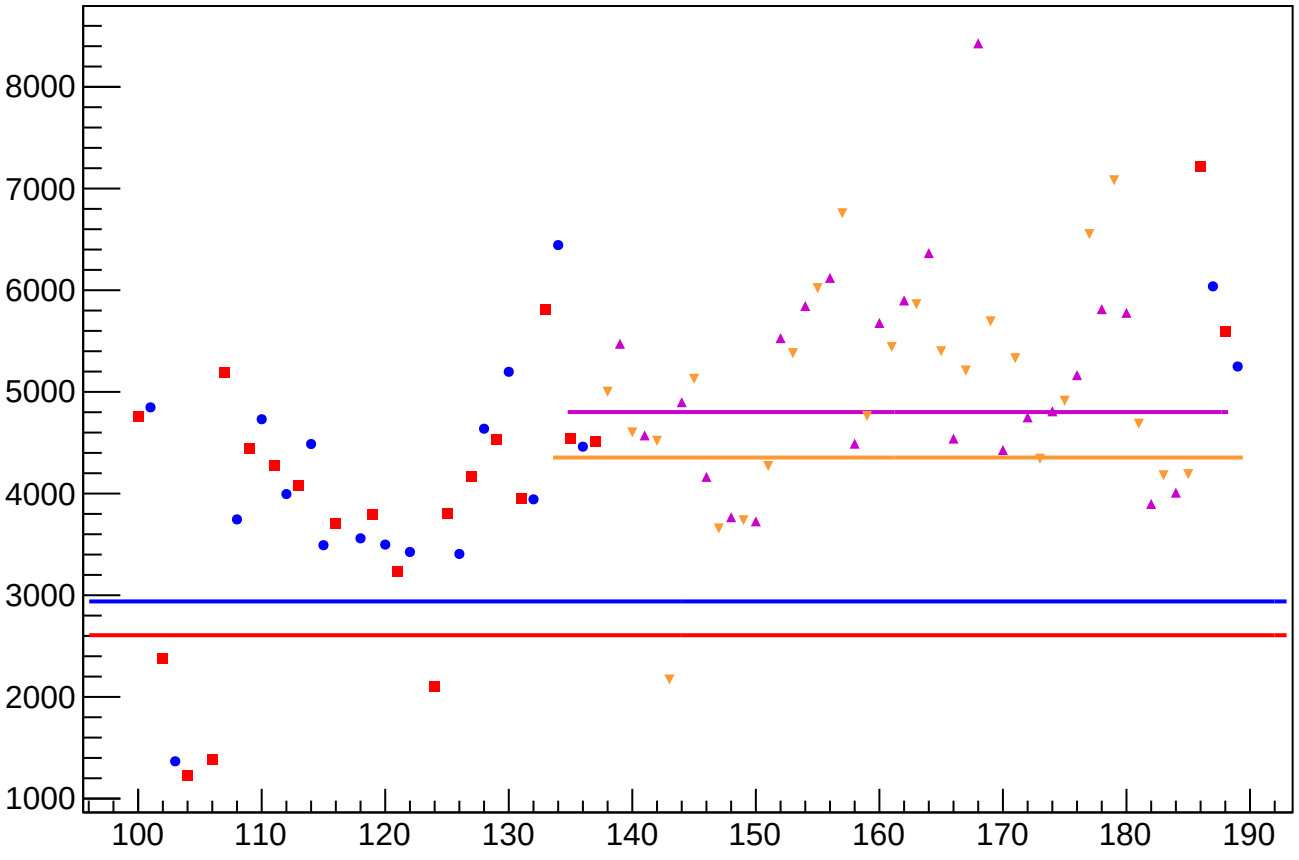
Right Out: 1017.722+/-1033.495 χ^2/NDF: 25.5/20

Left In: 119.335+/-1144.695 χ^2/NDF:13.6/22

+ sign -435.918+/-777.337 χ^2/NDF: 45.3/42

All: 96.138+/-546.005 χ^2/NDF: 85.8/86

- sign 614.274+/-767.101 χ^2/NDF: 39.5/43



Right In: 2939.282+/-0.829 χ^2/NDF: 3215975.5/17

Left Out: 4354.526+/-0.734 χ^2/NDF:3071436.3/24

Right Out: 2606.906+/-0.731 χ^2/NDF: 4273154.9/20

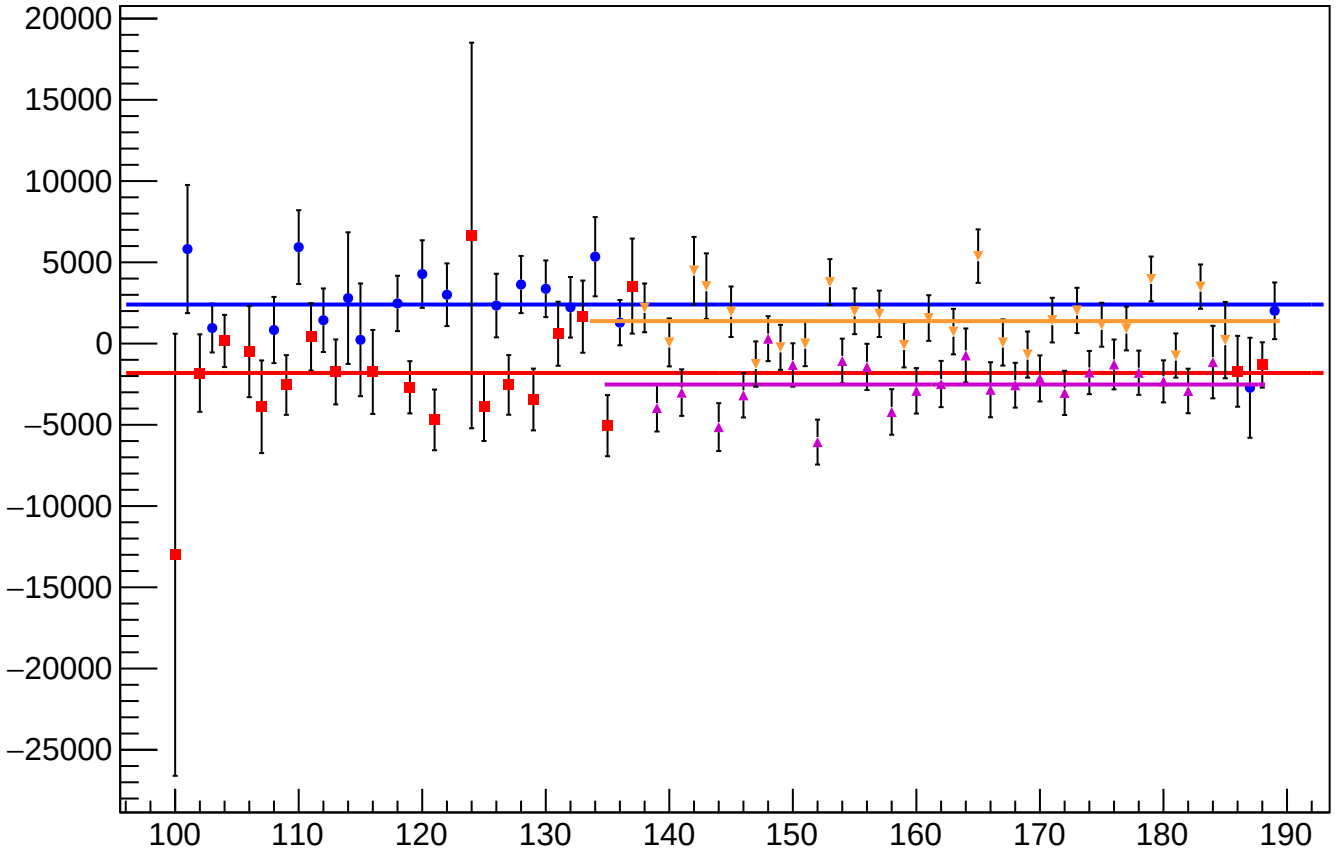
Left In: 4801.573+/-0.809 χ^2/NDF:1231883.2/22

+ sign 3732.922+/-0.550 χ^2/NDF: 7920271.5/42

All: 3661.775+/-0.386 χ^2/NDF: 17508568.6/8

- sign 3592.489+/-0.542 χ^2/NDF: 9555226.9/43

cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2403.212+/-470.874 χ^2/NDF: 12.0/17

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: -1810.071+/-455.915 χ^2/NDF: 19.7/20

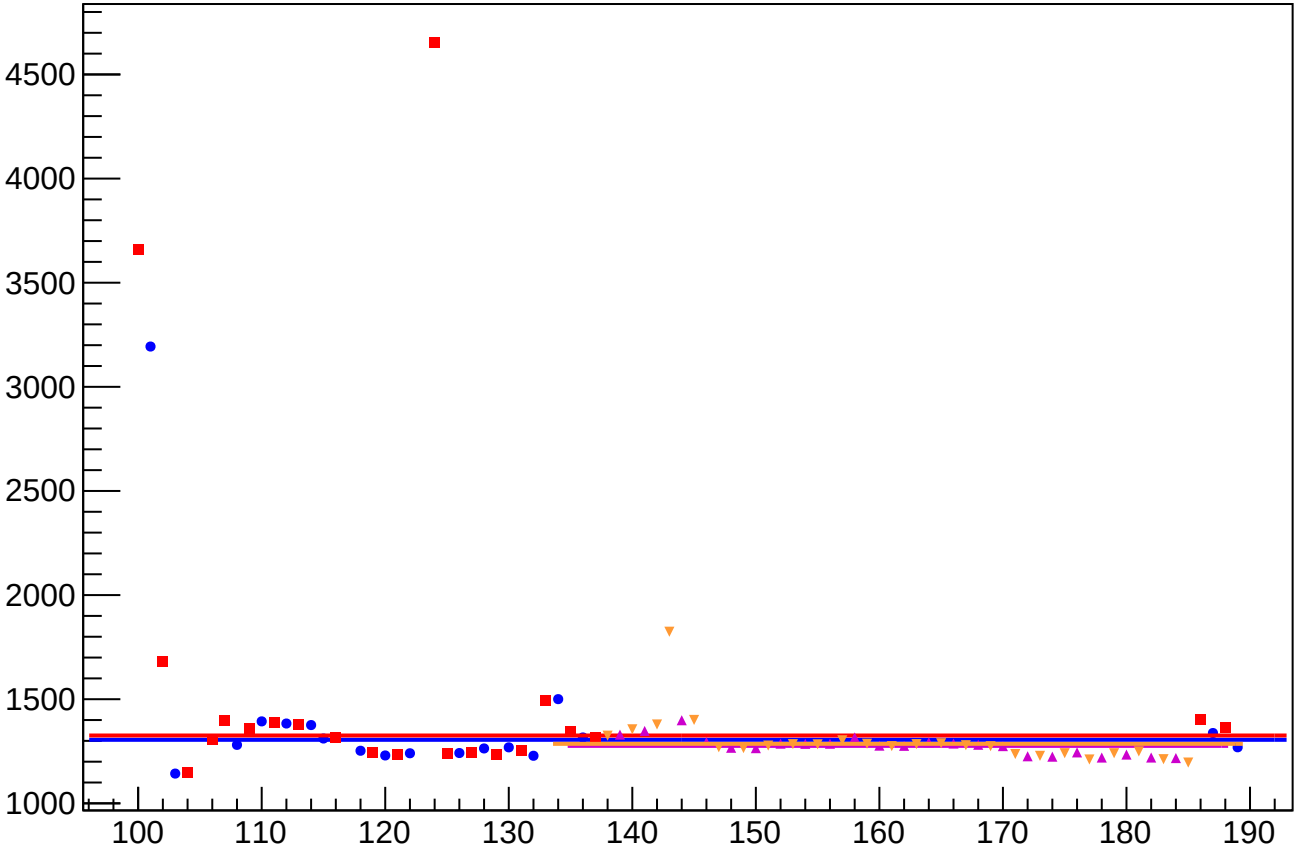
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1667.582+/-248.634 χ^2/NDF: 48.3/42

All: -312.794+/-176.115 χ^2/NDF: 219.4/86

- sign -2306.948+/-249.498 χ^2/NDF: 43.9/43

cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1305.018+/-0.333 χ^2/NDF: 517354.0/17

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

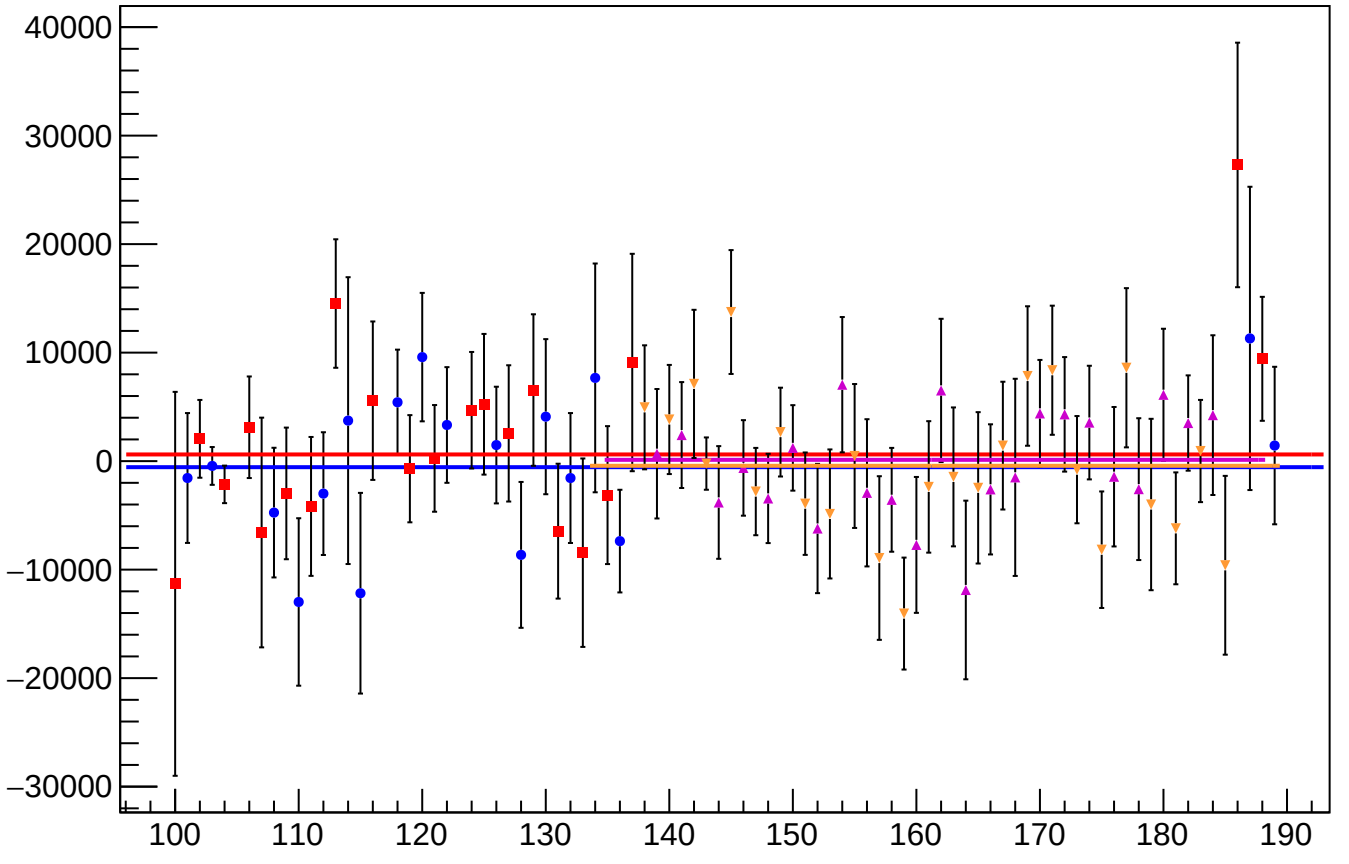
Right Out: 1325.770+/-0.322 χ^2/NDF: 330499.3/20

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1291.049+/-0.176 χ^2/NDF: 710821.9/42

All: 1290.974+/-0.125 χ^2/NDF: 1099494.5/86

- sign 1290.897+/-0.176 χ^2/NDF: 388672.2/43



Right In: -557.399+/-1163.000 χ^2/NDF: 15.5/17

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

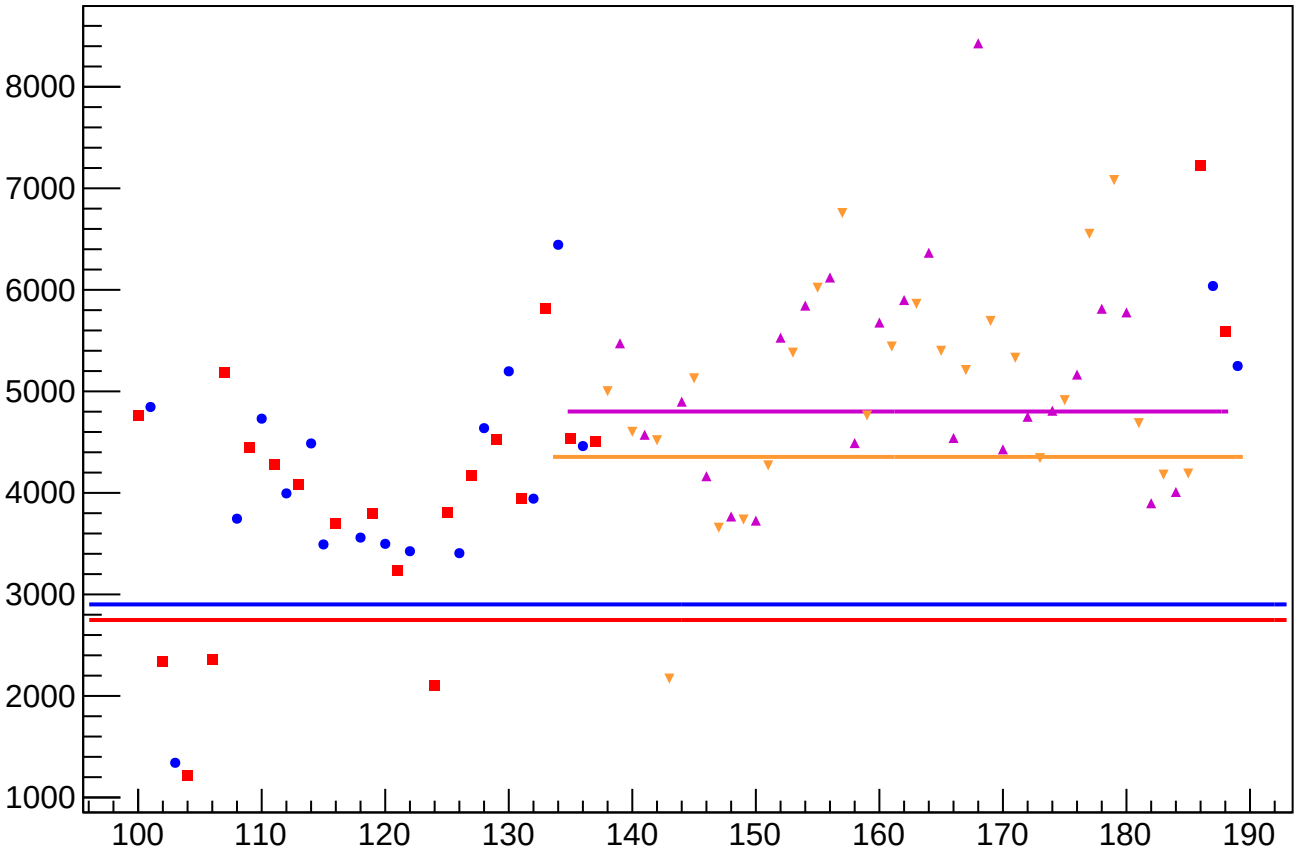
Right Out: 615.247+/-1073.555 χ^2/NDF: 24.2/20

Left In: 119.307+/-1144.695 χ^2/NDF:13.6/22

+ sign -485.669+/-774.428 χ^2/NDF: 45.3/42

All: -56.067+/-550.630 χ^2/NDF: 83.9/86

- sign 383.166+/-783.060 χ^2/NDF: 37.9/43



Right In: 2901.558+/-0.822 χ^2/NDF: 3327932.9/17

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 2748.049+/-0.759 χ^2/NDF: 3927116.0/20

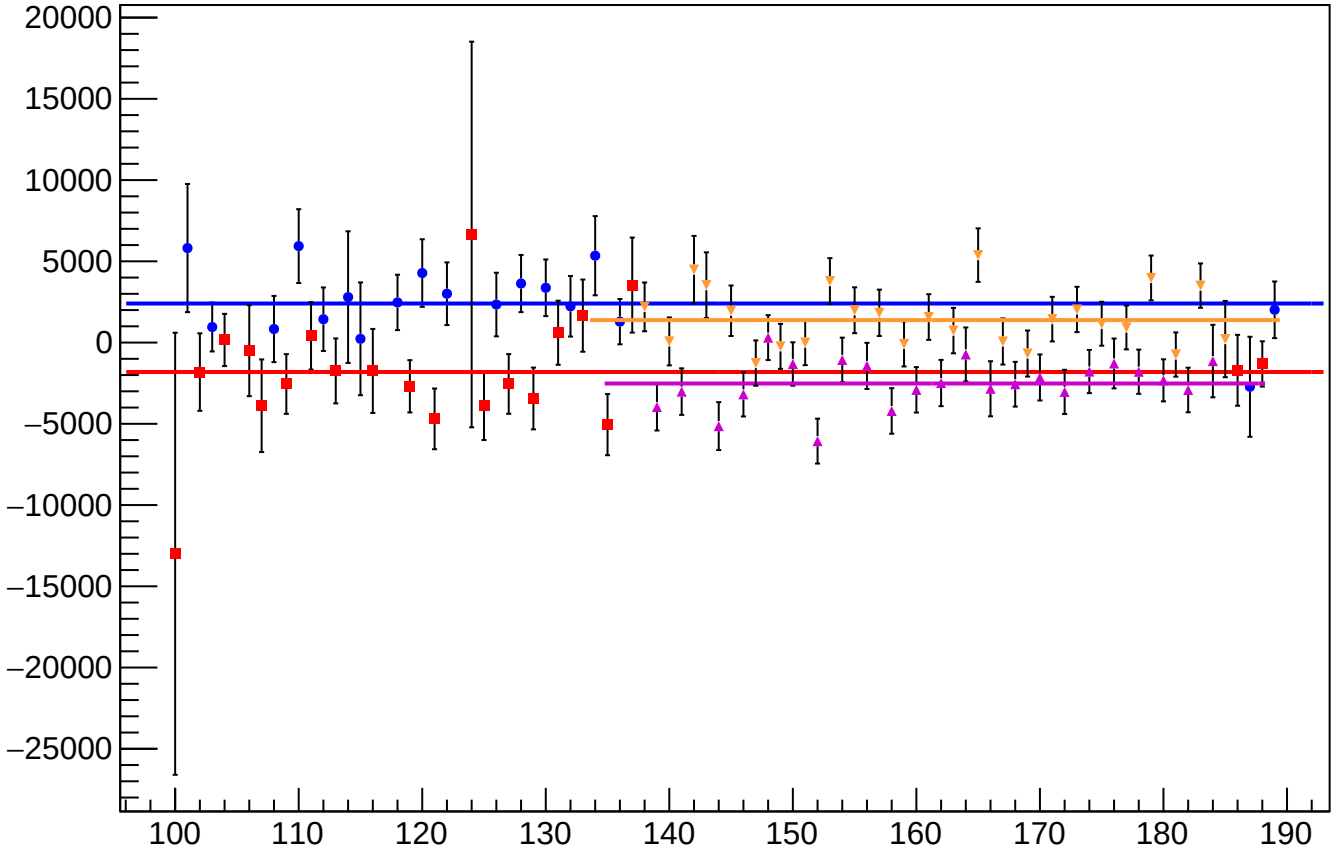
Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

+ sign 3710.261+/-0.548 χ^2/NDF: 8136907.5/42

All: 3709.647+/-0.389 χ^2/NDF: 16720374.2/8

- sign 3709.020+/-0.554 χ^2/NDF: 8583464.2/43

eigen_cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2403.212+/-470.874 χ^2/NDF: 12.0/17

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: -1810.071+/-455.915 χ^2/NDF: 19.7/20

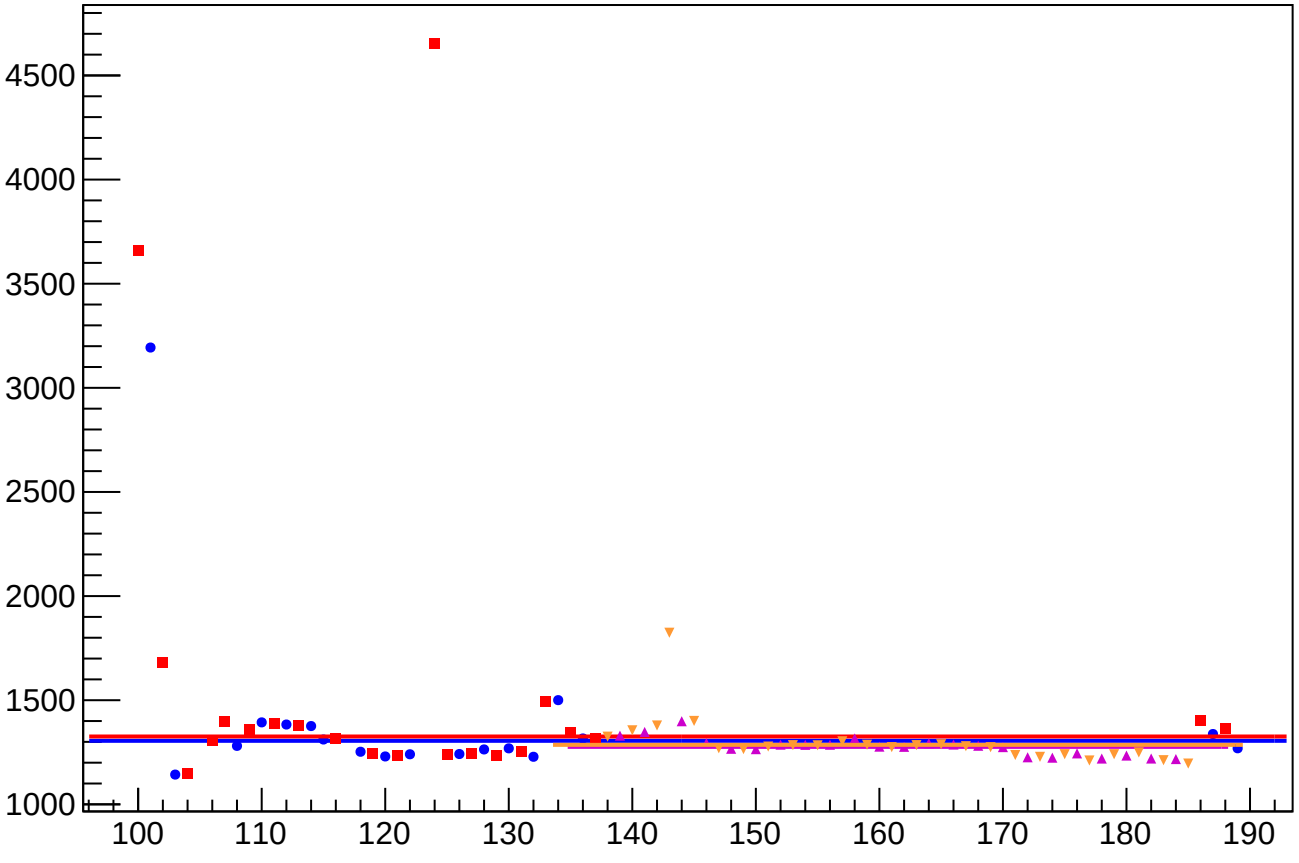
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1667.582+/-248.634 χ^2/NDF: 48.3/42

All: -312.794+/-176.115 χ^2/NDF: 219.4/86

- sign -2306.948+/-249.498 χ^2/NDF: 43.9/43

eigen_cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1305.018+/-0.333 χ^2/NDF: 517354.0/17

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

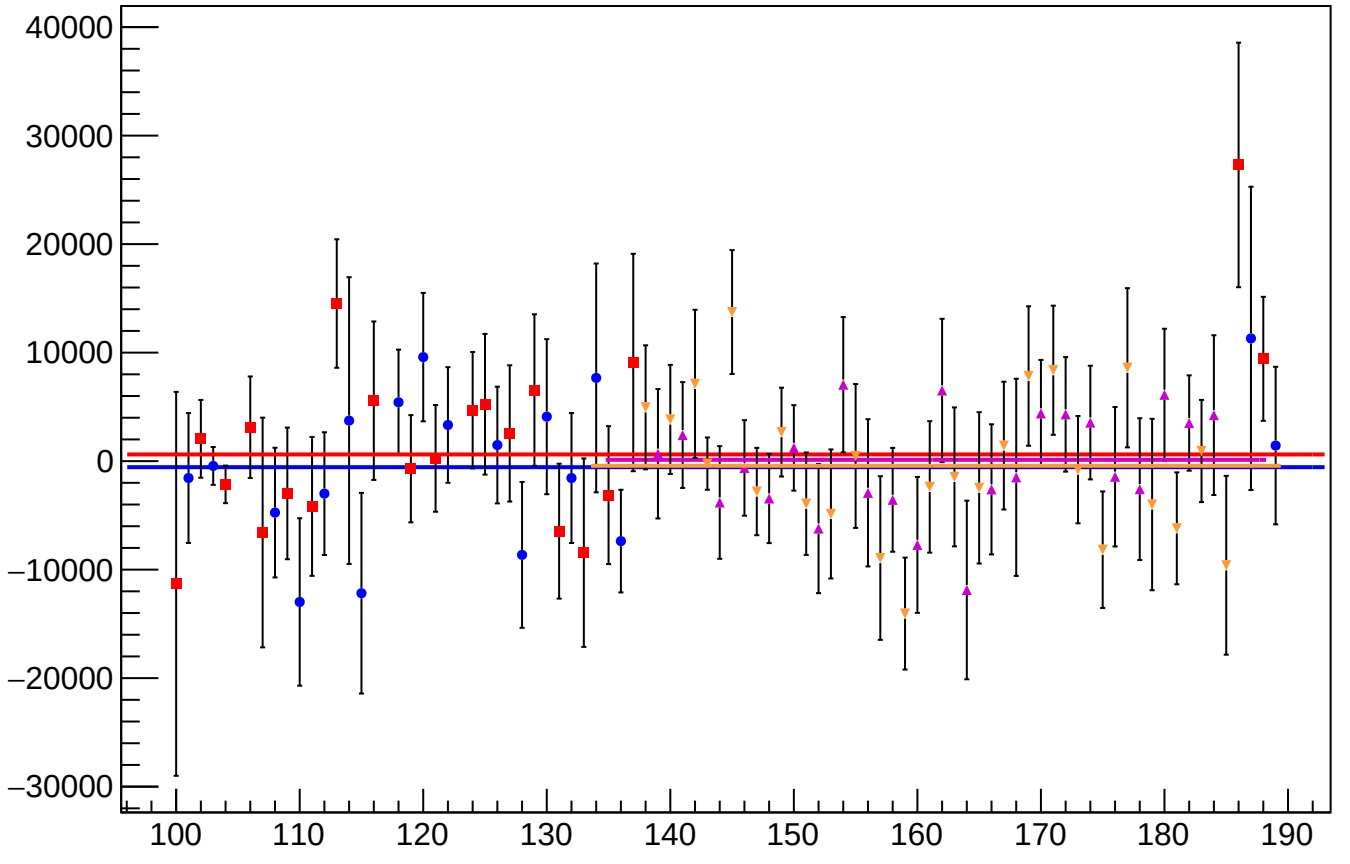
Right Out: 1325.770+/-0.322 χ^2/NDF: 330499.3/20

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1291.049+/-0.176 χ^2/NDF: 710821.9/42

All: 1290.974+/-0.125 χ^2/NDF: 1099494.5/86

- sign 1290.897+/-0.176 χ^2/NDF: 388672.2/43



Right In: -557.399+/-1163.000 χ^2/NDF: 15.5/17

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

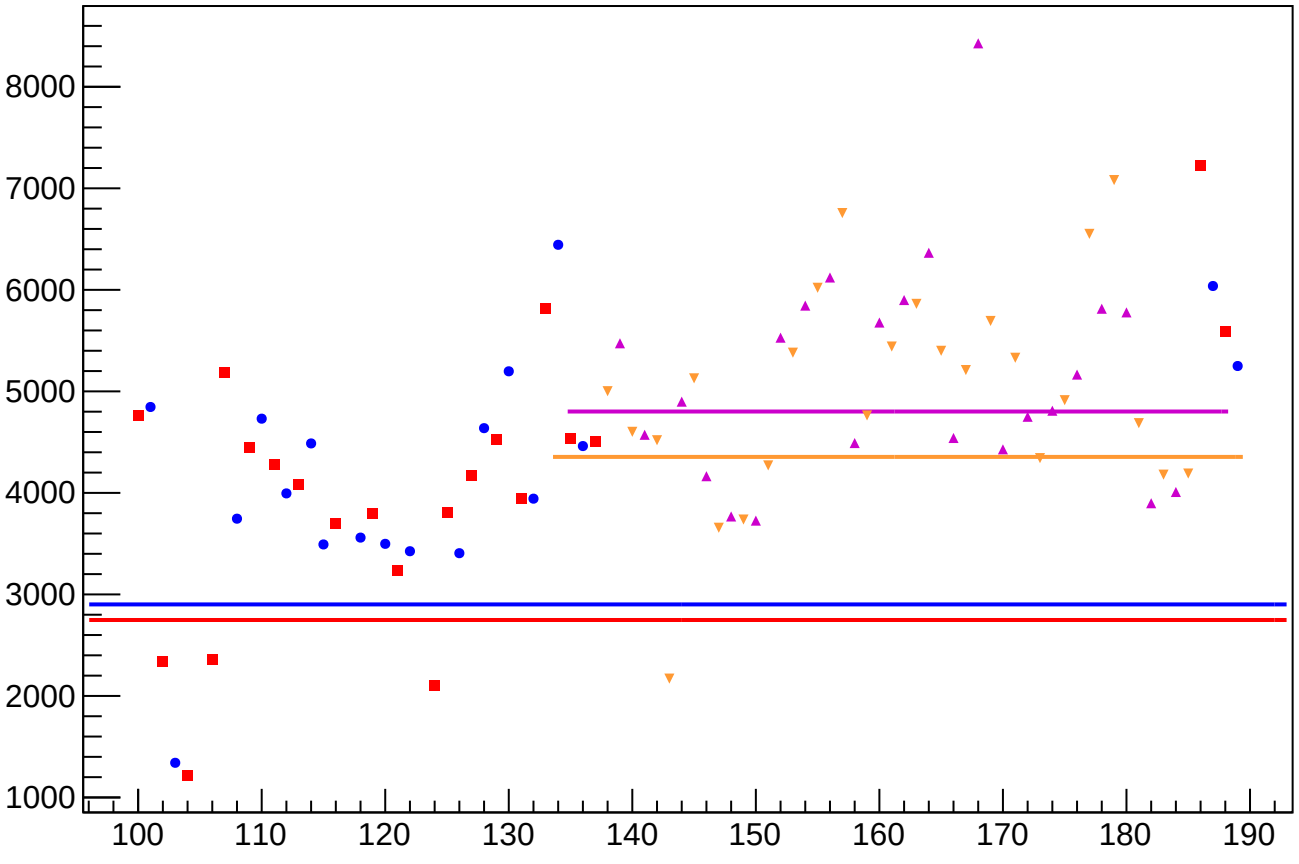
Right Out: 615.247+/-1073.555 χ^2/NDF: 24.2/20

Left In: 119.307+/-1144.695 χ^2/NDF:13.6/22

+ sign -485.669+/-774.428 χ^2/NDF: 45.3/42

All: -56.067+/-550.630 χ^2/NDF: 83.9/86

- sign 383.166+/-783.060 χ^2/NDF: 37.9/43



Right In: 2901.558+/-0.822 χ^2/NDF: 3327932.9/17

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 2748.049+/-0.759 χ^2/NDF: 3927116.0/20

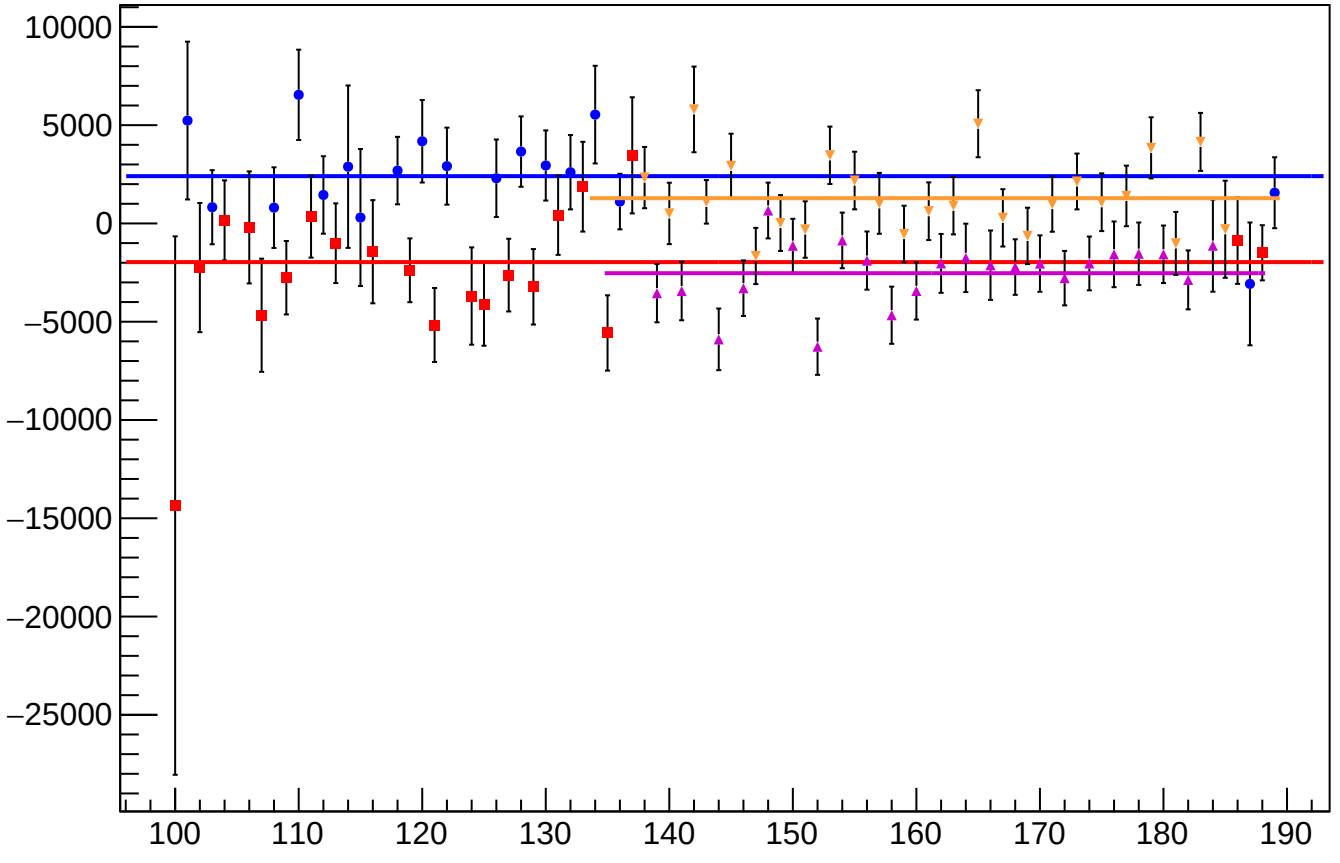
Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

+ sign 3710.261+/-0.548 χ^2/NDF: 8136907.5/42

All: 3709.647+/-0.389 χ^2/NDF: 16720374.2/8

- sign 3709.020+/-0.554 χ^2/NDF: 8583464.2/43

dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2405.839+/-486.133 χ^2/NDF: 12.8/17

Left Out: 1284.422+/-300.530 χ^2/NDF:33.4/24

Right Out: -1966.675+/-464.352 χ^2/NDF: 21.4/20

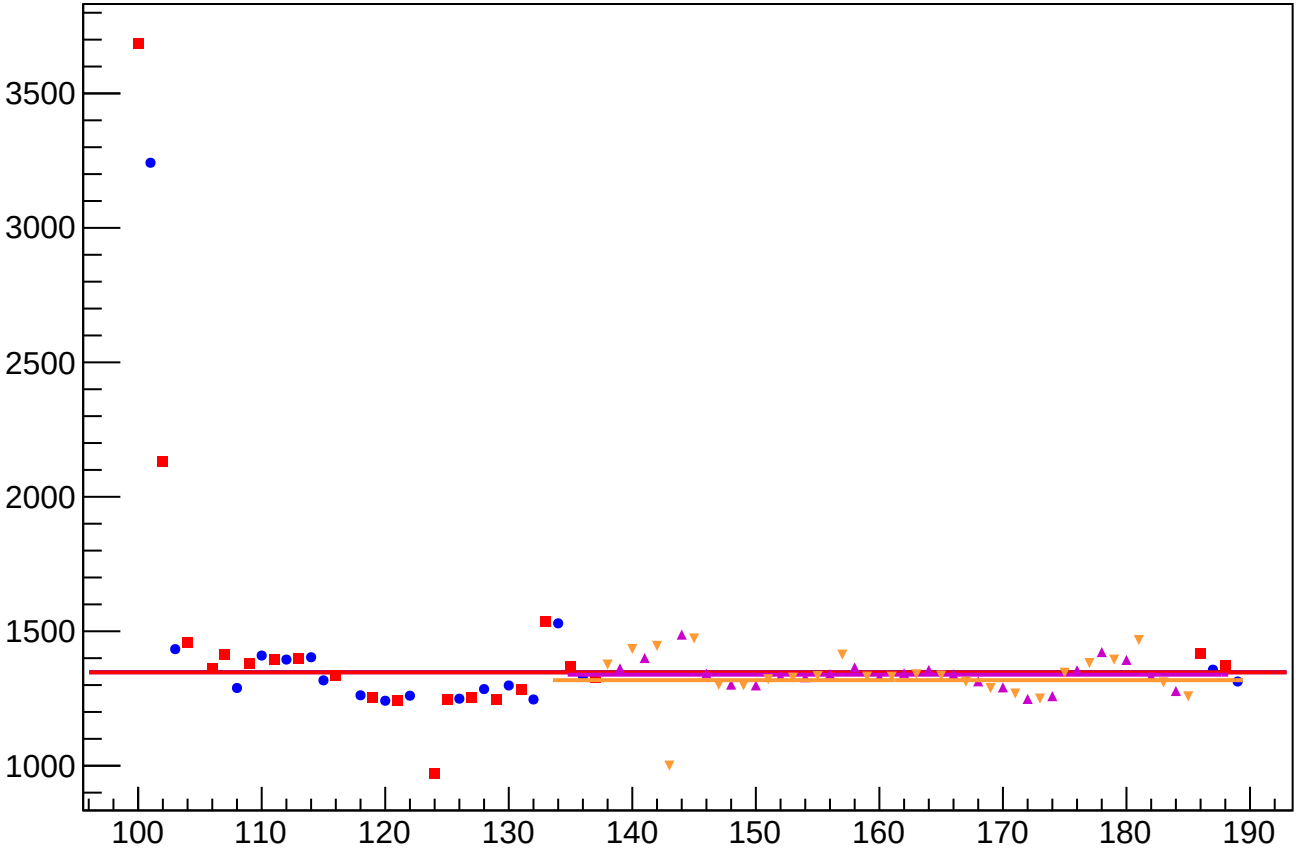
Left In: -2531.791+/-312.886 χ^2/NDF:25.0/22

+ sign 1594.498+/-255.626 χ^2/NDF: 50.0/42

All: -350.881+/-182.102 χ^2/NDF: 215.0/86

- sign -2355.331+/-259.478 χ^2/NDF: 47.4/43

dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1347.845+/-0.344 χ^2/NDF: 494851.6/17

Left Out: 1318.174+/-0.213 χ^2/NDF:248547.7/24

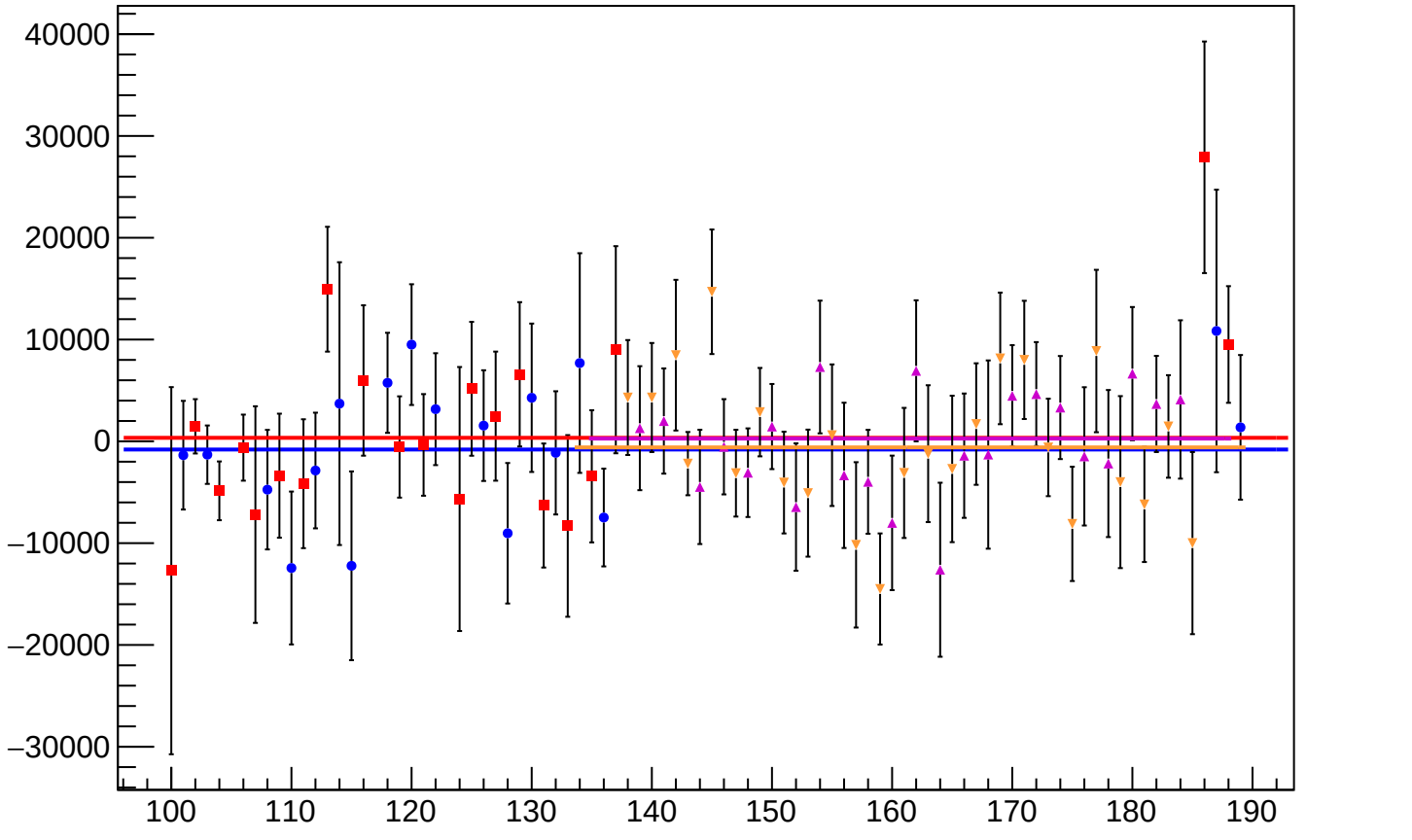
Right Out: 1347.284+/-0.328 χ^2/NDF: 275136.9/20

Left In: 1338.602+/-0.221 χ^2/NDF:54248.5/22

+ sign 1326.378+/-0.181 χ^2/NDF: 748789.4/42

All: 1333.736+/-0.129 χ^2/NDF: 1082019.7/86

- sign 1341.315+/-0.183 χ^2/NDF: 329866.5/43



Right In: -802.300+/-1371.051 χ^2/NDF: 15.4/17

Left Out: -594.916+/-1122.287 χ^2/NDF:29.5/24

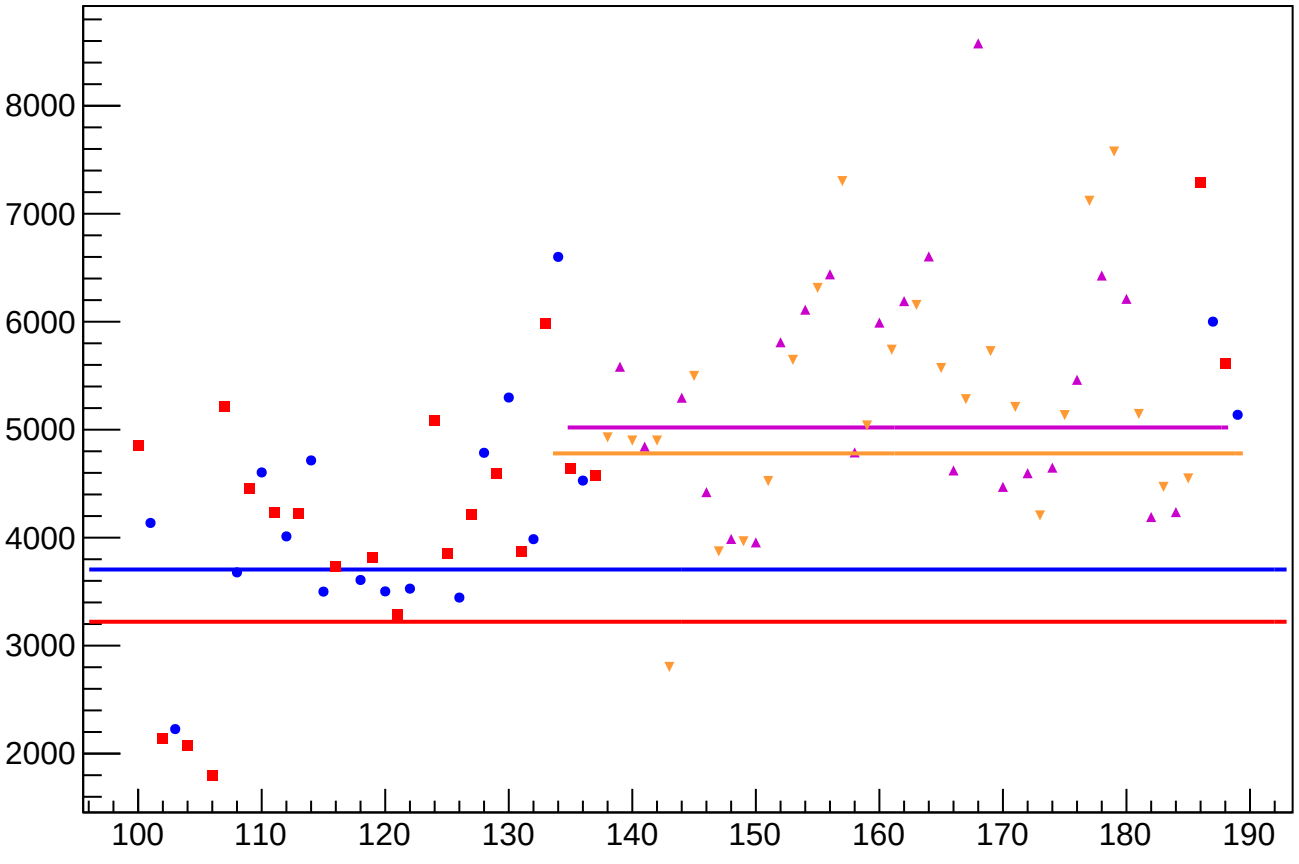
Right Out: 347.201+/-1170.613 χ^2/NDF: 25.0/20

Left In: 272.915+/-1196.804 χ^2/NDF:13.4/22

\+ sign -678.121+/-868.441 χ^2/NDF: 45.0/42

All: -165.308+/-602.603 χ^2/NDF: 84.0/86

\- sign 310.880+/-836.855 χ^2/NDF: 38.4/43



Right In: 3705.027+/-0.969 χ^2/NDF: 1087411.3/17

Left Out: 4780.396+/-0.794 χ^2/NDF:2006245.3/24

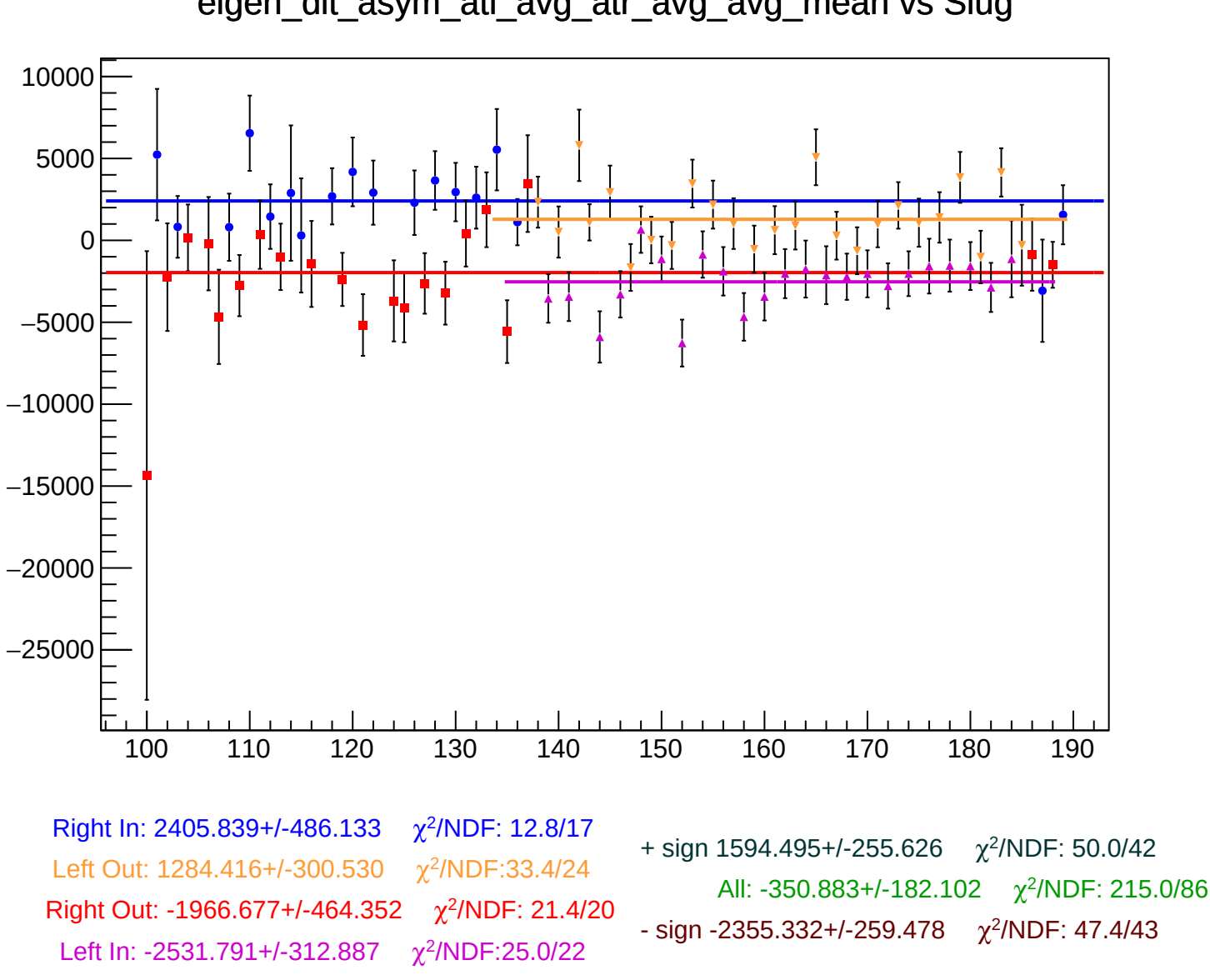
Right Out: 3221.153+/-0.828 χ^2/NDF: 2473547.6/20

Left In: 5020.560+/-0.846 χ^2/NDF:1225091.9/22

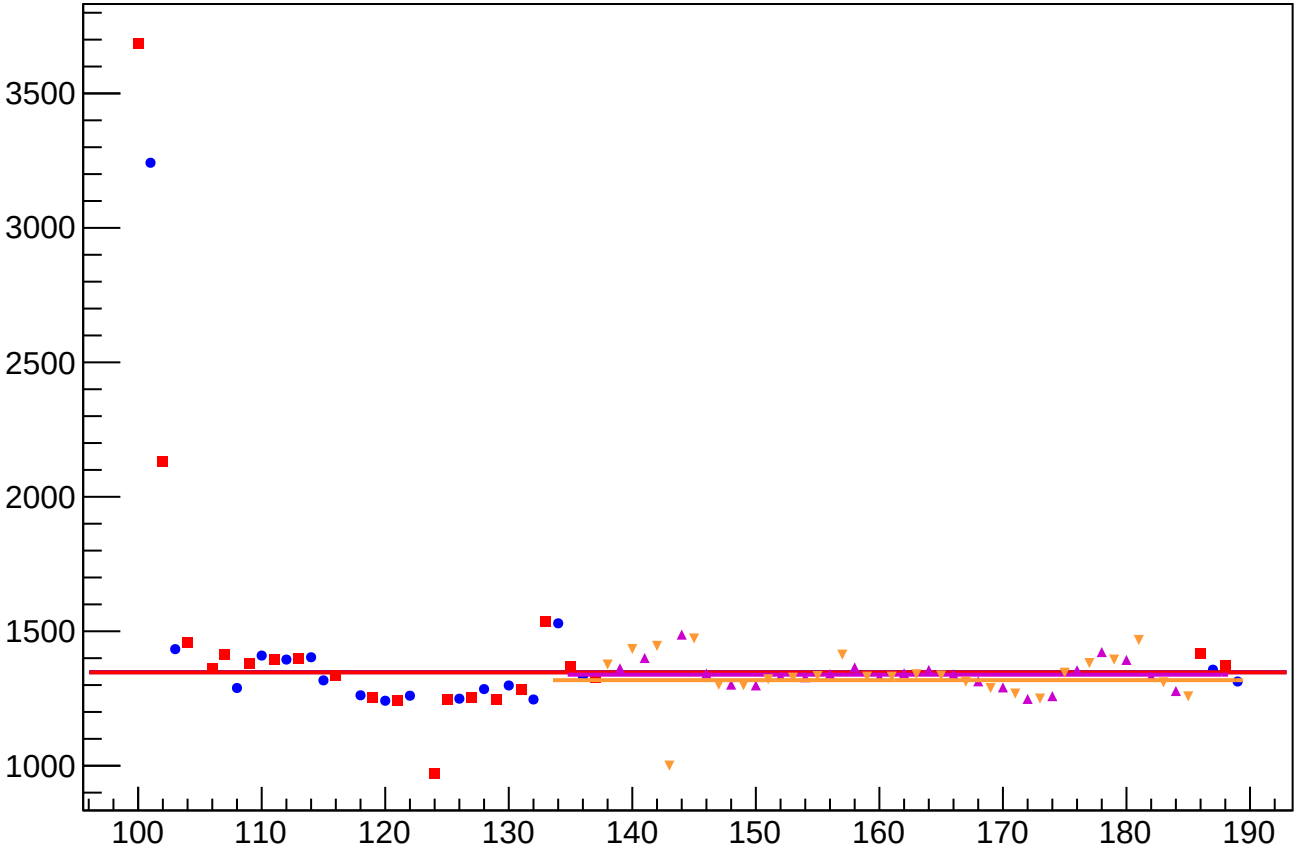
+ sign 4348.945+/-0.614 χ^2/NDF: 3830391.2/42

All: 4220.356+/-0.426 χ^2/NDF: 9924149.7/86

- sign 4100.951+/-0.592 χ^2/NDF: 6009193.1/43


eigen_dit_asym_atl_avg_atr_avg_avg_mean vs Slug
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
180
190
Right In: 2405.839+/-486.133 χ²/NDF: 12.8/17
Left Out: 1284.416+/-300.530 χ²/NDF:33.4/24
Right Out: -1966.677+/-464.352 χ²/NDF: 21.4/20
Left In: -2531.791+/-312.887 χ²/NDF:25.0/22
+ sign 1594.495+/-255.626 χ²/NDF: 50.0/42
All: -350.883+/-182.102 χ²/NDF: 215.0/86
- sign -2355.332+/-259.478 χ²/NDF: 47.4/43

eigen_dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1347.844+/-0.344 χ^2/NDF: 494851.8/17

Left Out: 1318.176+/-0.213 χ^2/NDF:248550.2/24

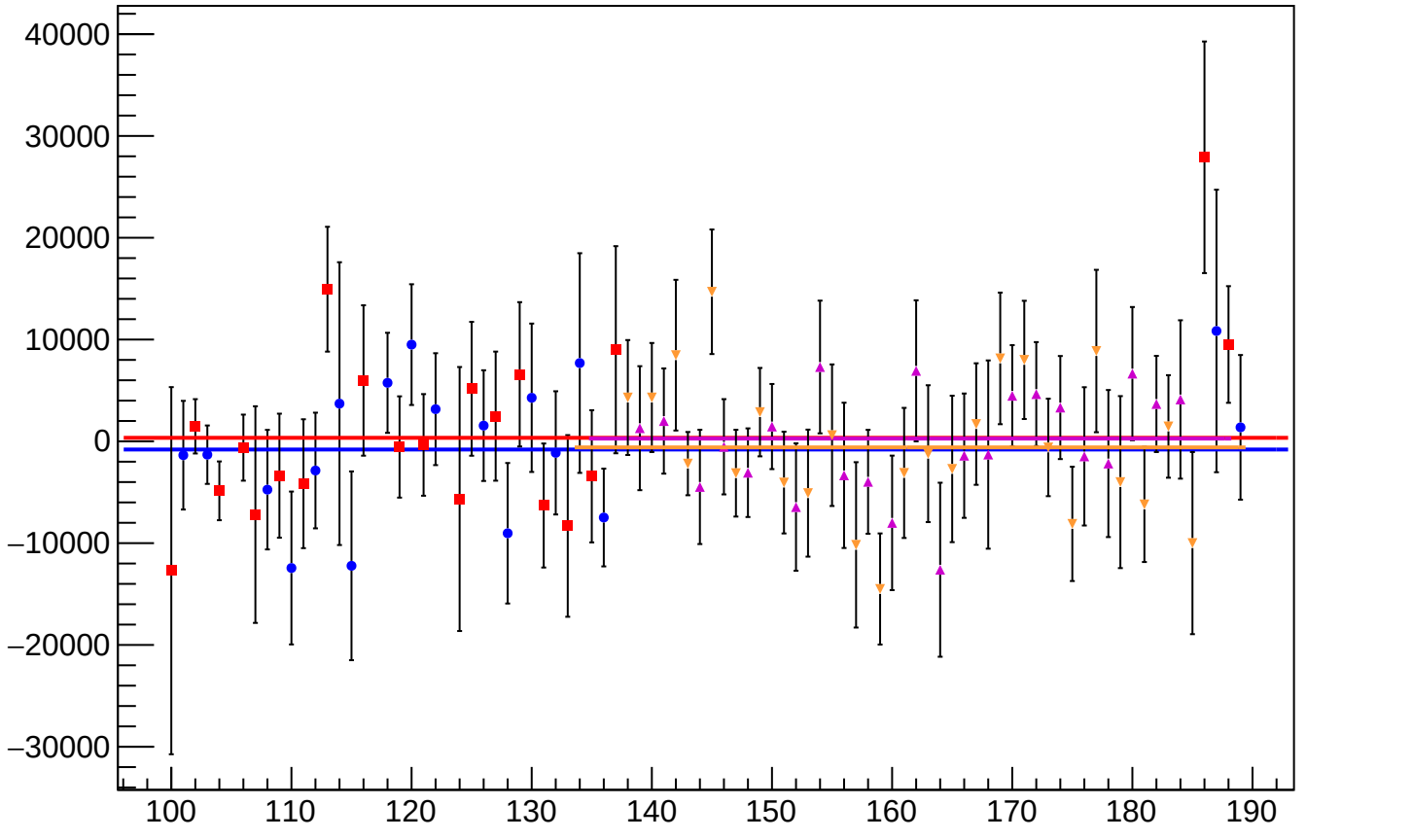
Right Out: 1347.283+/-0.328 χ^2/NDF: 275135.9/20

Left In: 1338.604+/-0.221 χ^2/NDF:54251.0/22

+ sign 1326.379+/-0.181 χ^2/NDF: 748791.5/42

All: 1333.737+/-0.129 χ^2/NDF: 1082023.1/86

- sign 1341.316+/-0.183 χ^2/NDF: 329867.8/43



Right In: -802.292+/-1371.048 χ^2/NDF: 15.4/17

Left Out: -594.920+/-1122.288 χ^2/NDF:29.5/24

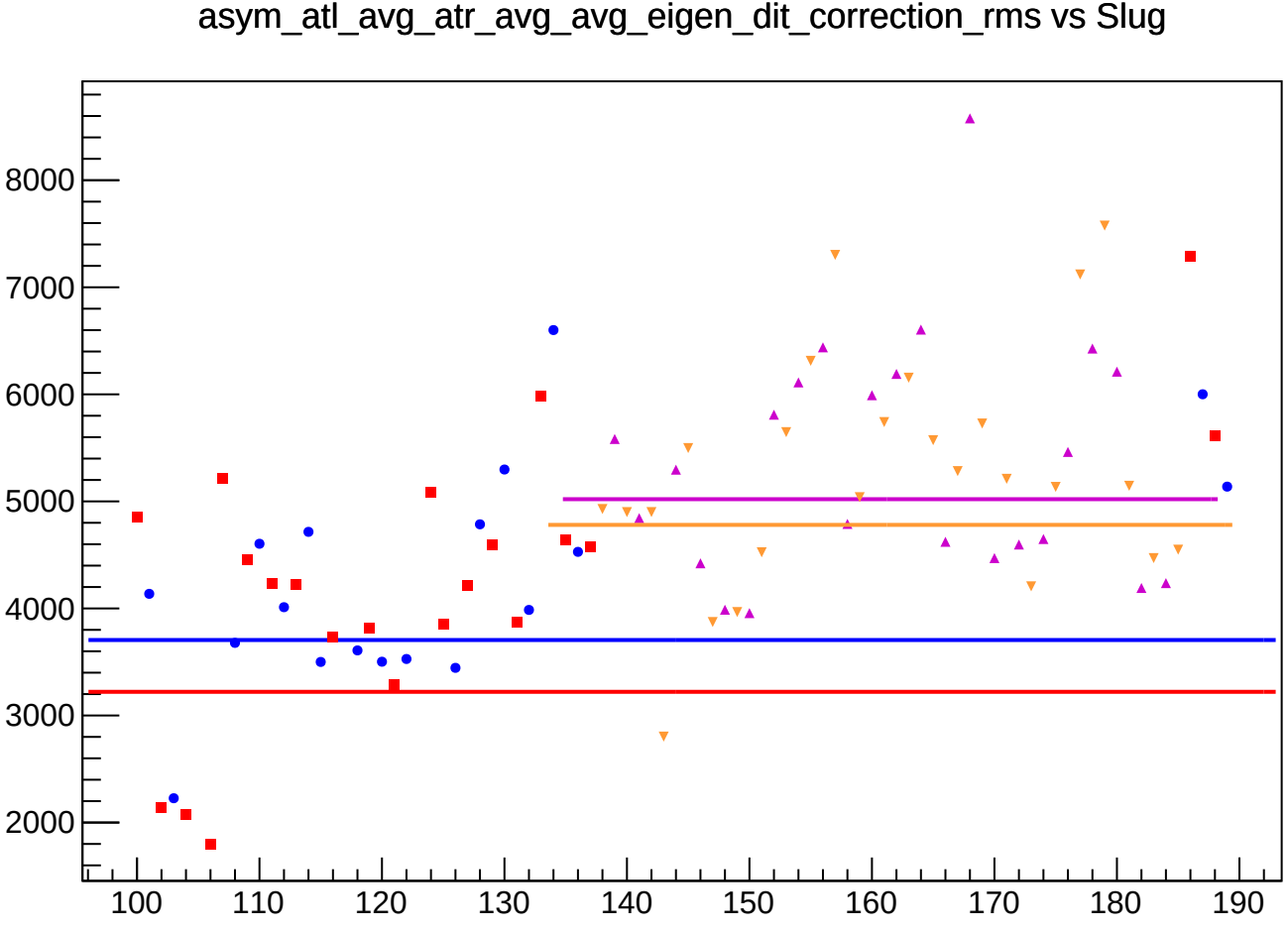
Right Out: 347.196+/-1170.610 χ^2/NDF: 25.0/20

Left In: 272.917+/-1196.806 χ^2/NDF:13.4/22

+ sign -678.121+/-868.441 χ^2/NDF: 45.0/42

All: -165.308+/-602.603 χ^2/NDF: 84.0/86

- sign 310.878+/-836.854 χ^2/NDF: 38.4/43



Right In: 3705.018+/-0.969 χ^2/NDF: 1087415.8/17

Left Out: 4780.404+/-0.794 χ^2/NDF:2006246.8/24

Right Out: 3221.144+/-0.828 χ^2/NDF: 2473555.5/20

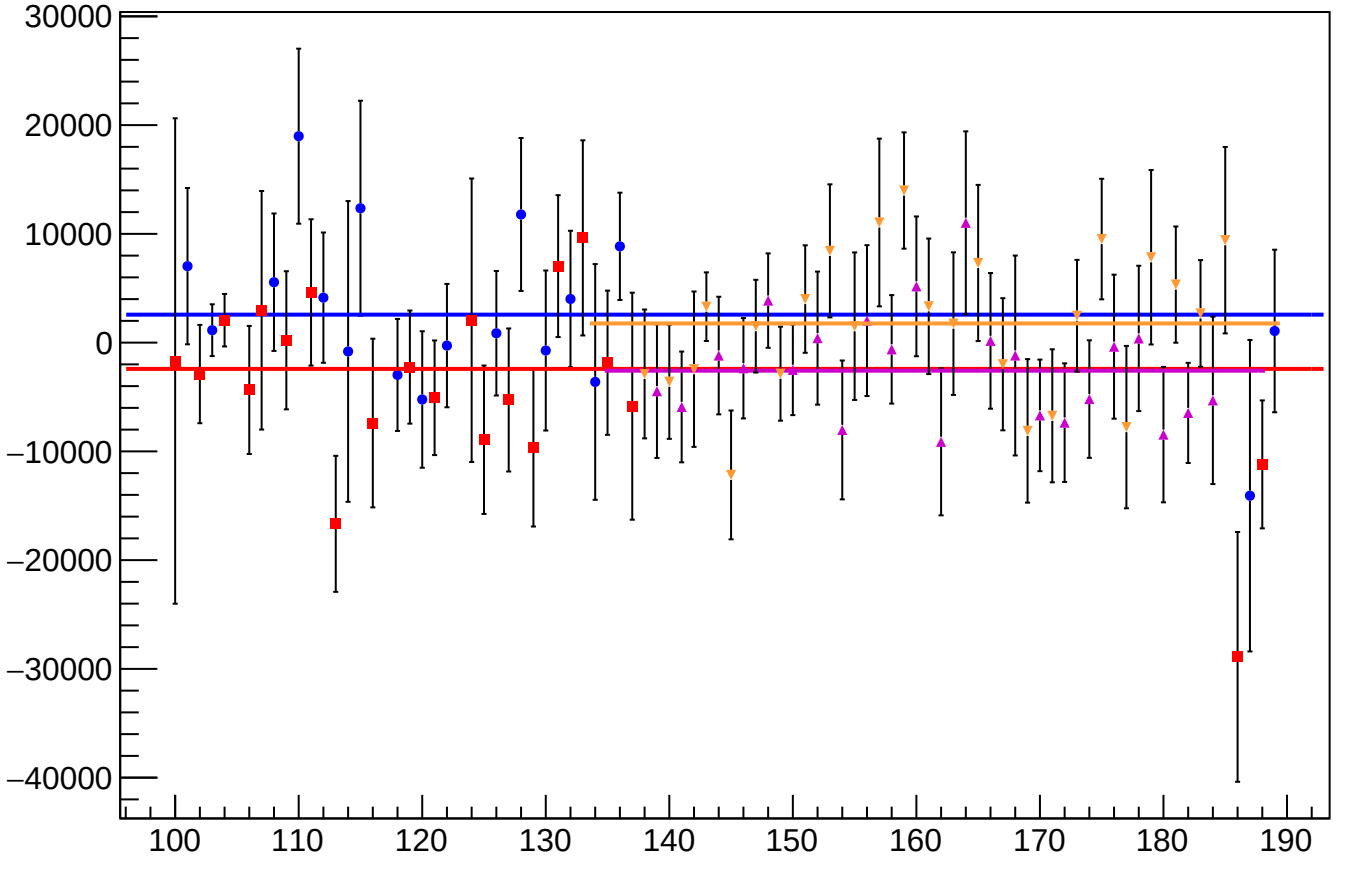
Left In: 5020.567+/-0.846 χ^2/NDF:1225095.5/22

+ sign 4348.944+/-0.614 χ^2/NDF: 3830420.9/42

All: 4220.354+/-0.426 χ^2/NDF: 9924237.1/86

- sign 4100.947+/-0.592 χ^2/NDF: 6009248.3/43

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2572.222+/-1359.863 χ^2/NDF: 14.6/17

Left Out: 1761.683+/-1116.232 χ^2/NDF:27.7/24

Right Out: -2415.162+/-1295.446 χ^2/NDF: 24.7/20

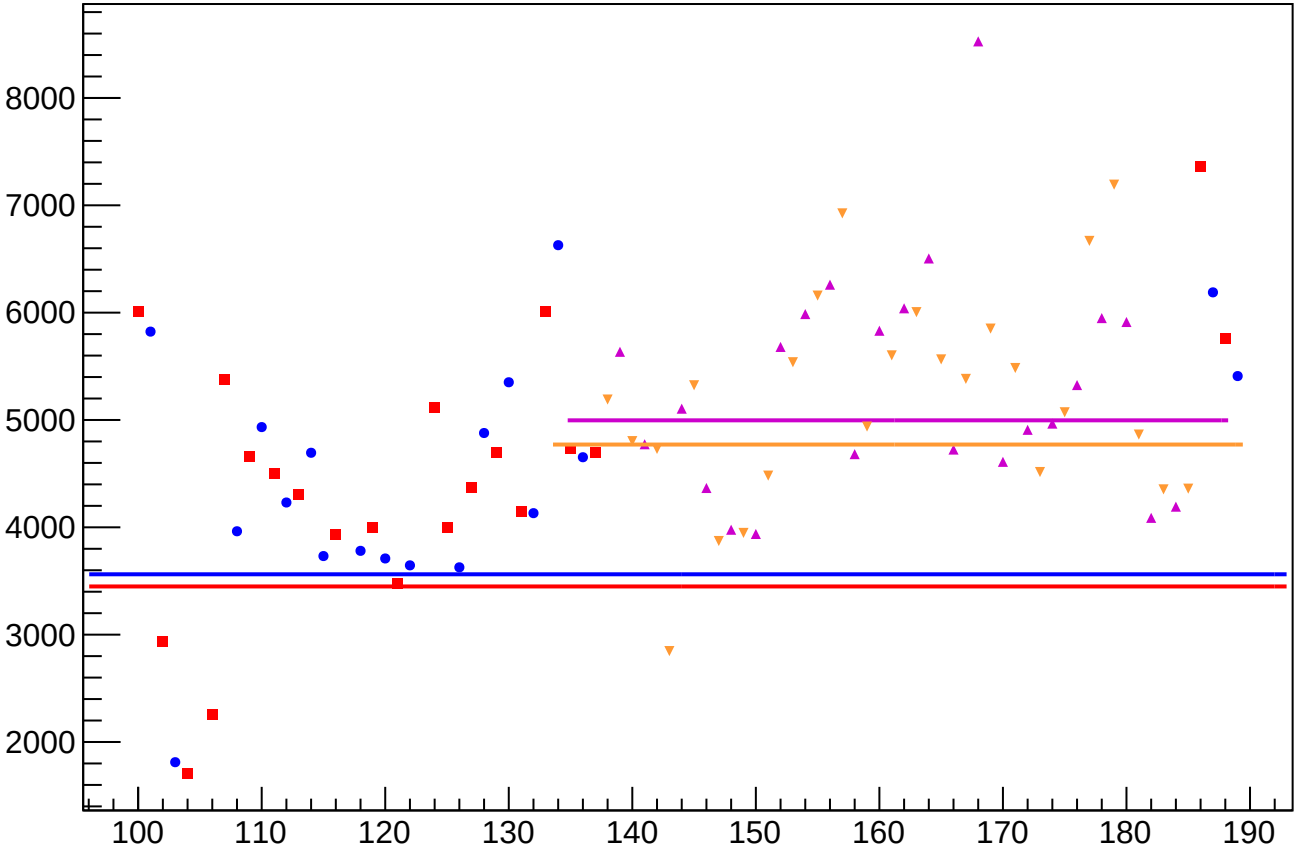
Left In: -2579.960+/-1188.448 χ^2/NDF:13.3/22

\+ sign 2087.966+/-862.790 χ^2/NDF: 42.5/42

All: -174.114+/-614.615 χ^2/NDF: 94.4/86

\- sign -2504.647+/-875.747 χ^2/NDF: 38.0/43

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3562.443+/-0.962 χ^2/NDF: 2041465.5/17

Left Out: 4771.181+/-0.789 χ^2/NDF:1787082.6/24

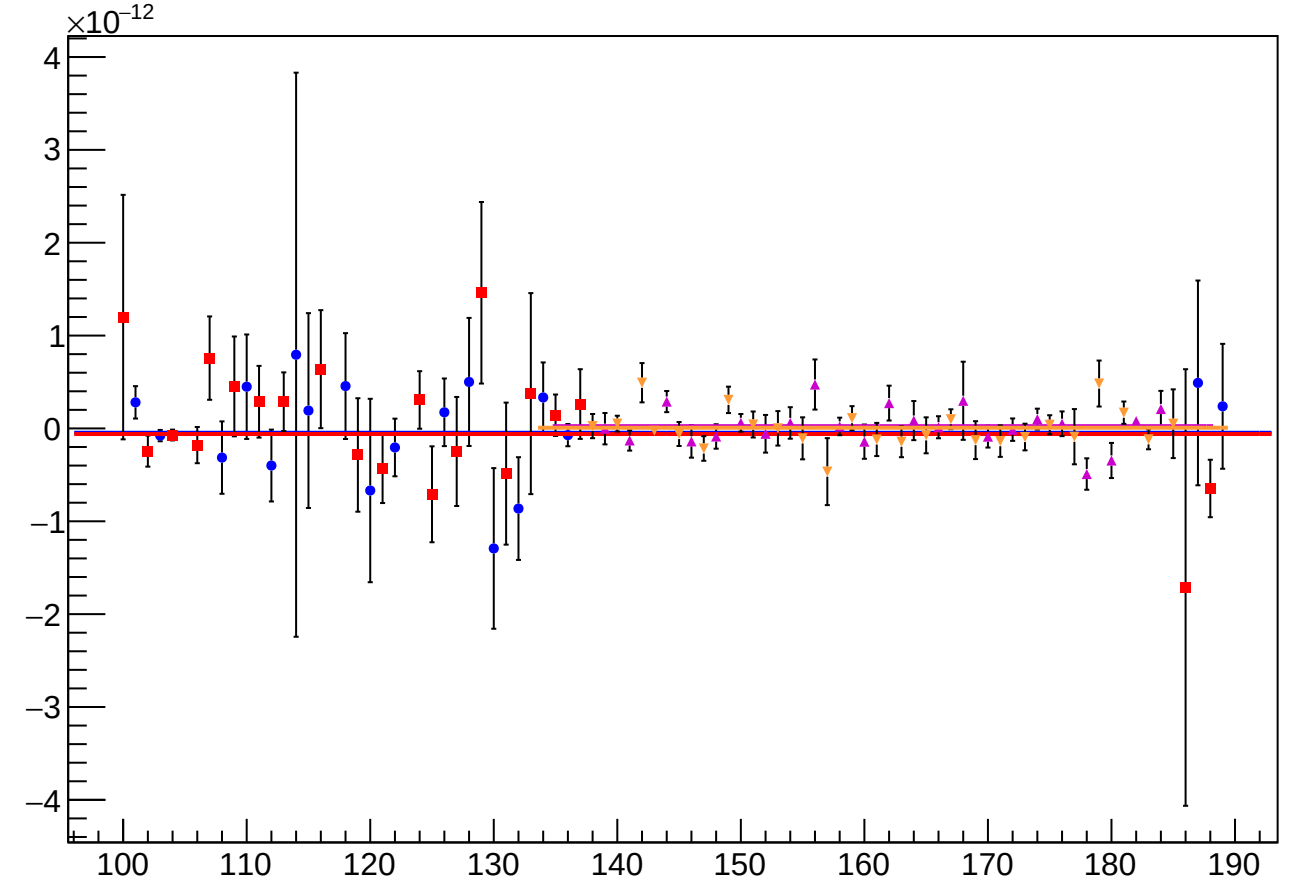
Right Out: 3449.058+/-0.904 χ^2/NDF: 2447813.5/20

Left In: 4996.720+/-0.840 χ^2/NDF:1095876.8/22

+ sign 4284.598+/-0.610 χ^2/NDF: 4772629.4/42

All: 4282.068+/-0.433 χ^2/NDF: 9888174.1/86

- sign 4279.493+/-0.616 χ^2/NDF: 5115509.9/43



Right In: -0.000+/-0.000 χ^2/NDF: 14.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/24

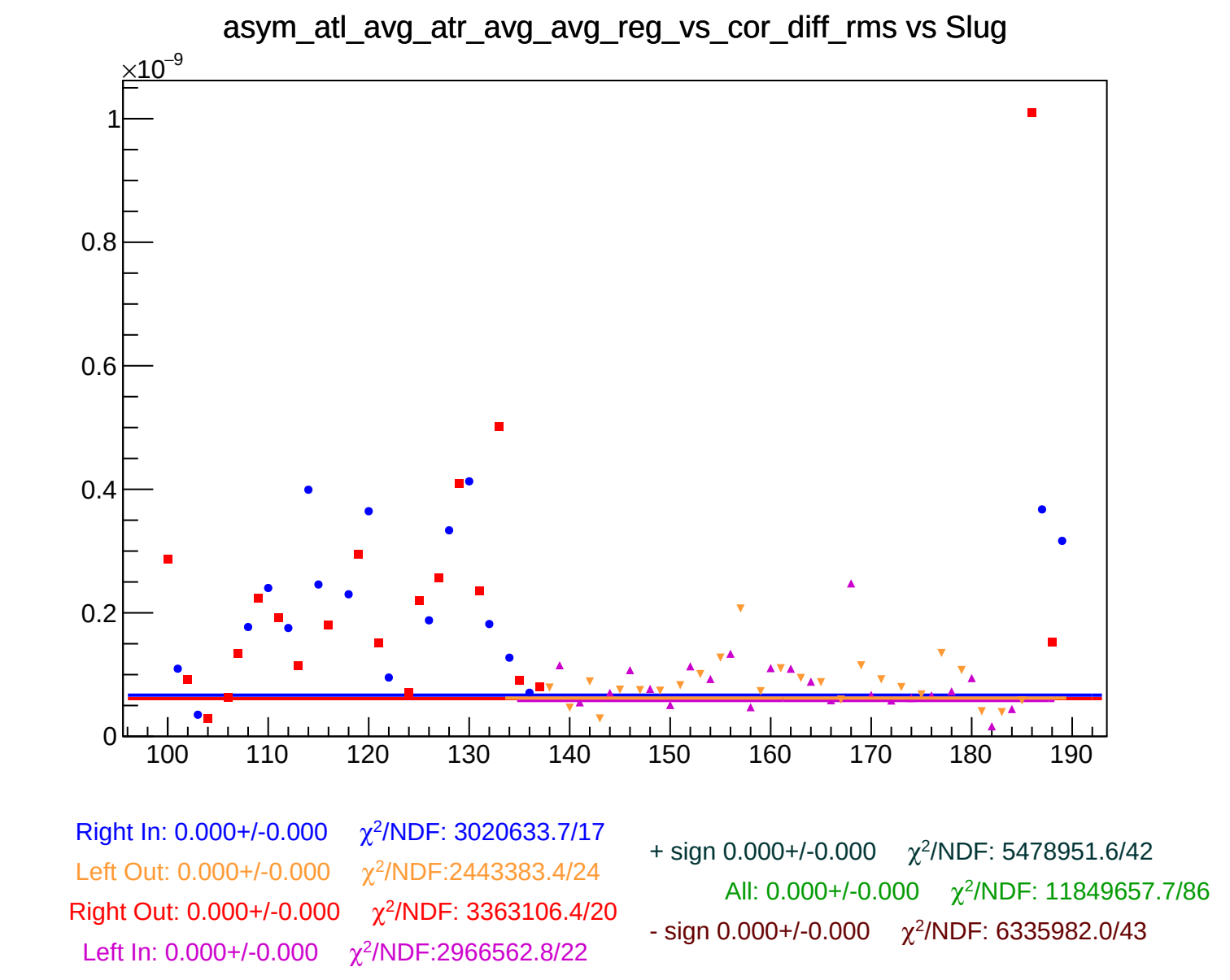
Right Out: -0.000+/-0.000 χ^2/NDF: 22.7/20

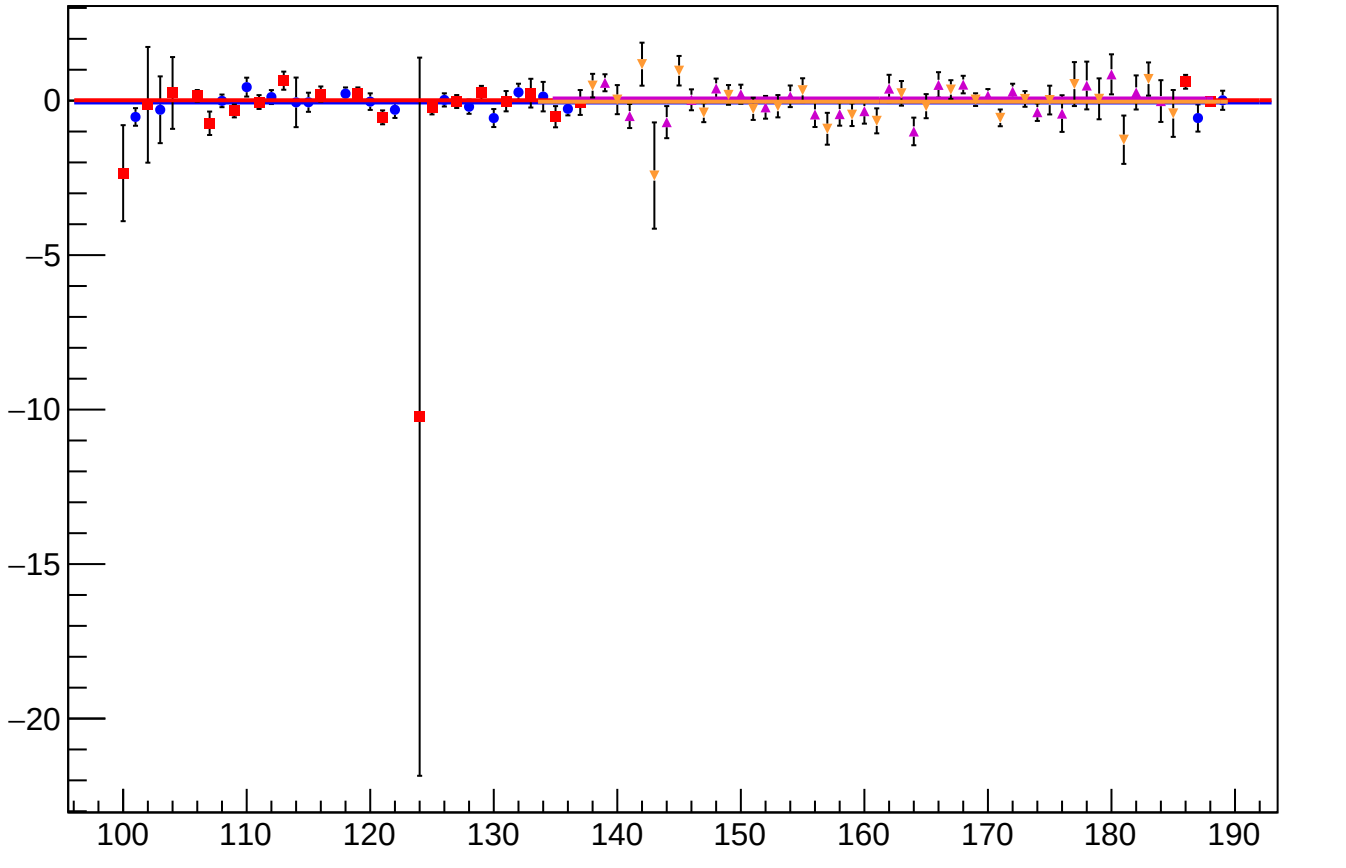
Left In: 0.000+/-0.000 χ^2/NDF:31.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 42.2/42

All: -0.000+/-0.000 χ^2/NDF: 99.2/86

- sign 0.000+/-0.000 χ^2/NDF: 56.9/43


asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_rms vs Slug
×10^−9
1
0.8
0.6
0.4
0.2
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3020633.7/17
Left Out: 0.000+/-0.000 χ²/NDF:2443383.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 3363106.4/20
Left In: 0.000+/-0.000 χ²/NDF:2966562.8/22
+ sign 0.000+/-0.000 χ²/NDF: 5478951.6/42
All: 0.000+/-0.000 χ²/NDF: 11849657.7/86
- sign 0.000+/-0.000 χ²/NDF: 6335982.0/43



Right In: -0.059+/-0.065 χ^2/NDF: 16.2/17

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: 0.012+/-0.054 χ^2/NDF: 35.1/20

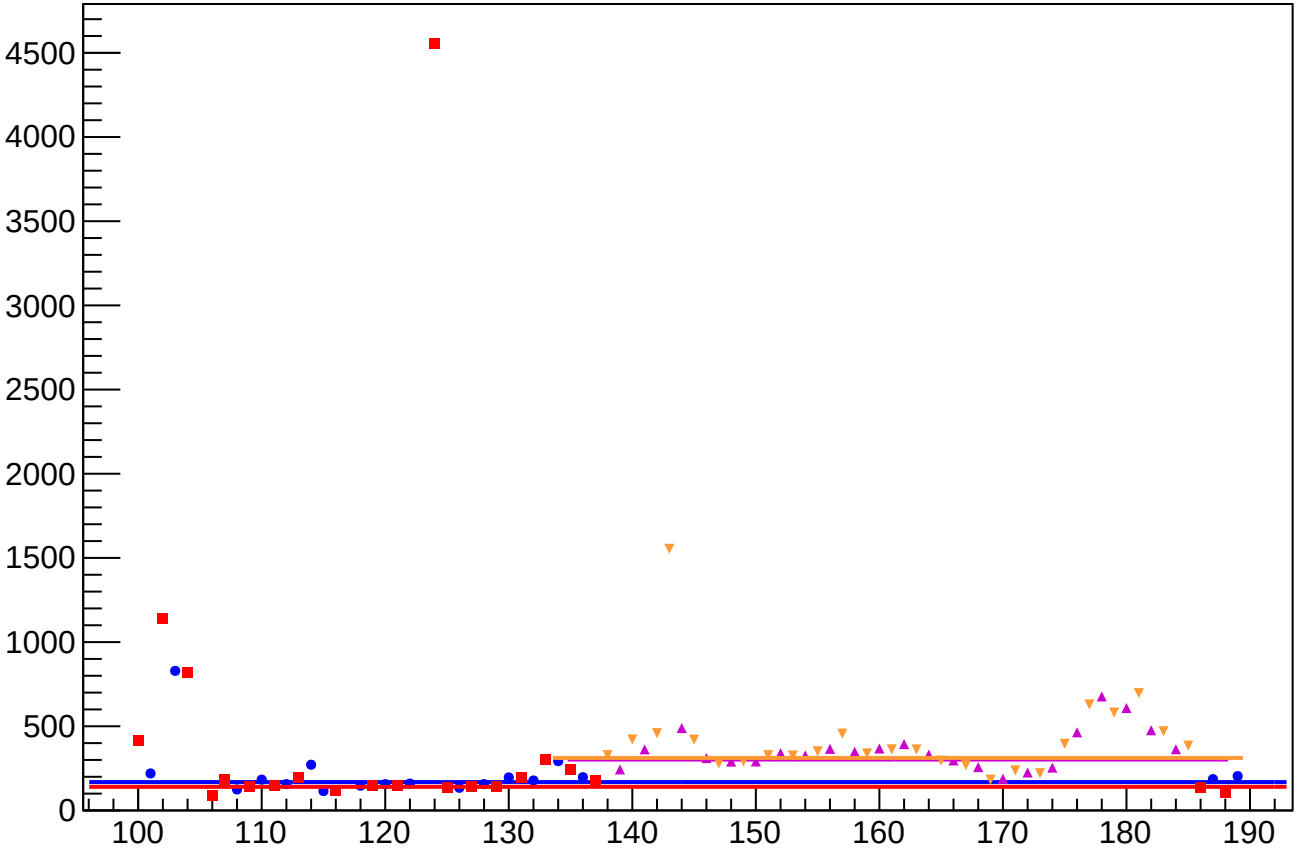
Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

\+ sign -0.049+/-0.049 χ^2/NDF: 48.8/42

All: -0.004+/-0.033 χ^2/NDF: 115.8/86

\- sign 0.032+/-0.044 χ^2/NDF: 65.4/43

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug



Right In: 168.418+/-0.046 χ^2/NDF: 1314161.7/17

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

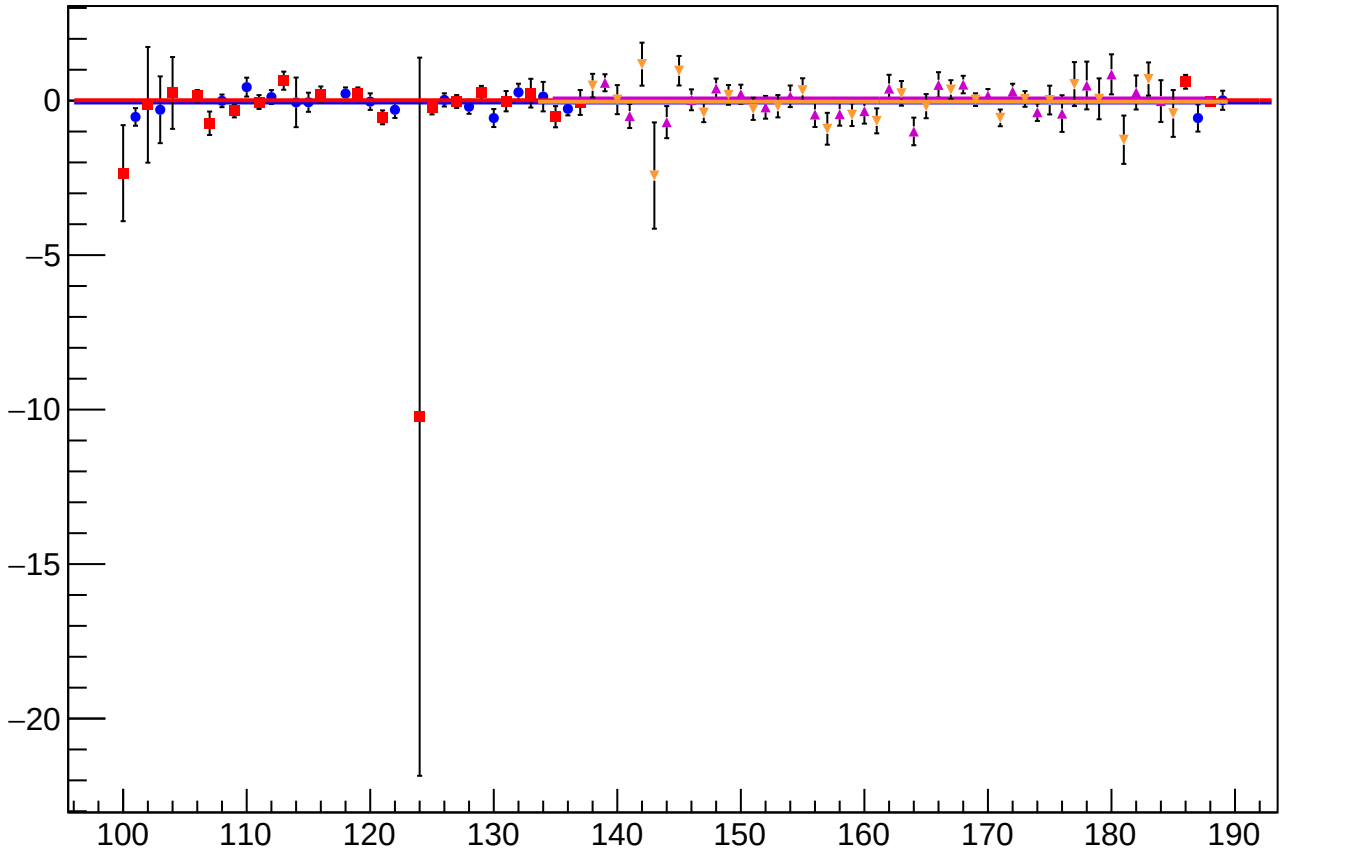
Right Out: 140.359+/-0.038 χ^2/NDF: 2571199.1/20

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

+ sign 227.925+/-0.035 χ^2/NDF: 9768068.4/42

All: 210.181+/-0.023 χ^2/NDF: 21748818.6/86

- sign 196.124+/-0.031 χ^2/NDF: 11517686.0/43



Right In: -0.059+/-0.065 χ^2/NDF: 16.2/17

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

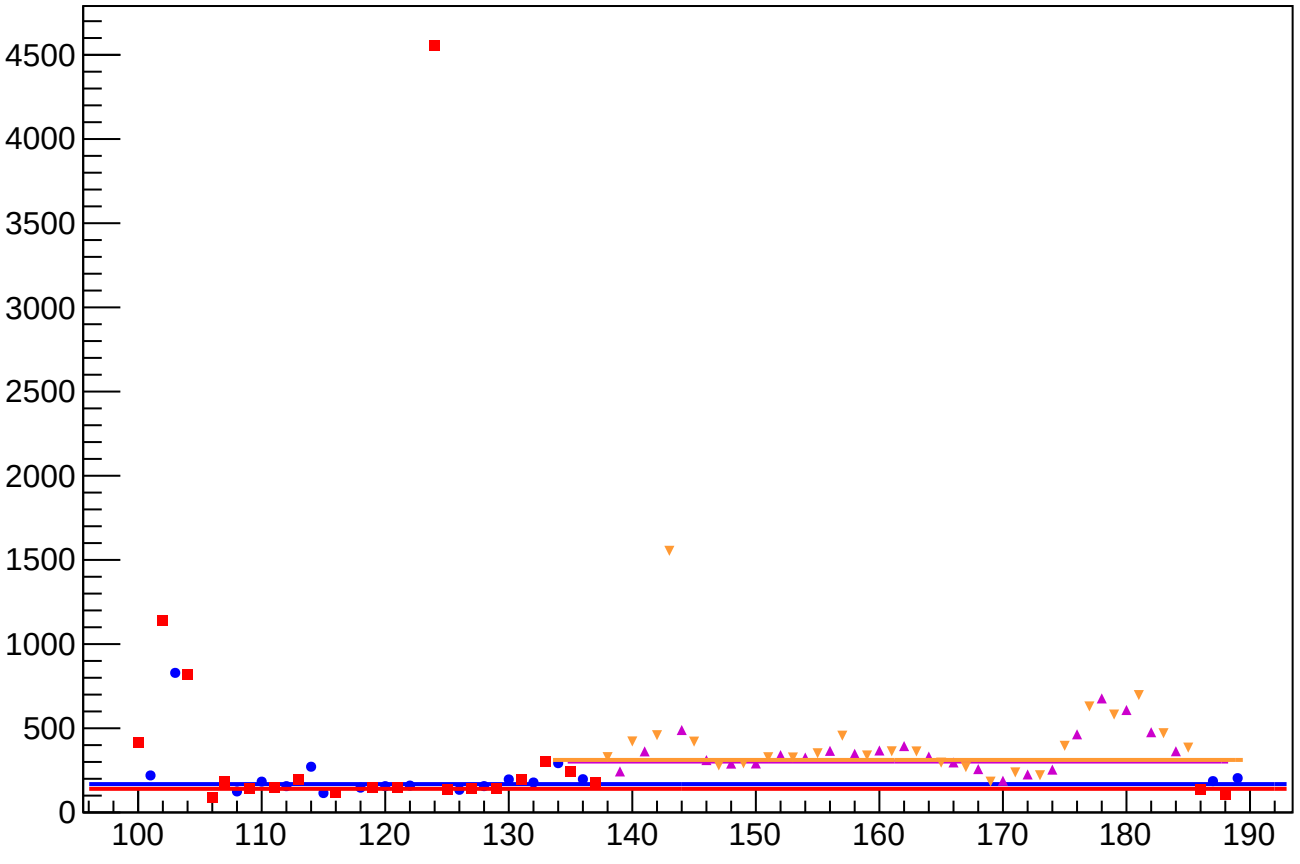
Right Out: 0.012+/-0.054 χ^2/NDF: 35.1/20

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.049+/-0.049 χ^2/NDF: 48.8/42

All: -0.004+/-0.033 χ^2/NDF: 115.8/86

- sign 0.032+/-0.044 χ^2/NDF: 65.4/43



Right In: 168.418+/-0.046 χ^2/NDF: 1314161.7/17

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

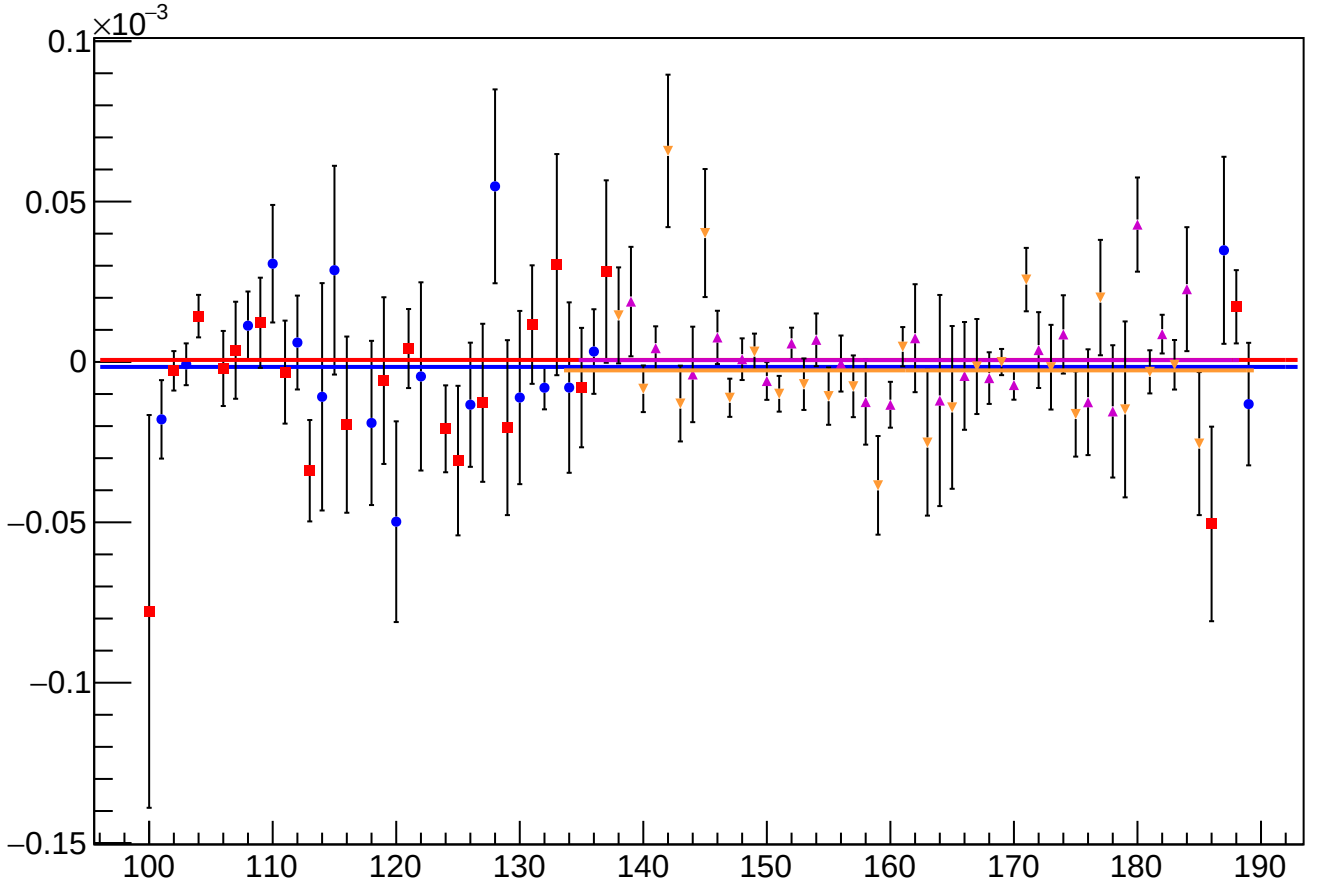
Right Out: 140.359+/-0.038 χ^2/NDF: 2571199.1/20

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

+ sign 227.925+/-0.035 χ^2/NDF: 9768068.4/42

All: 210.181+/-0.023 χ^2/NDF: 21748818.6/86

- sign 196.124+/-0.031 χ^2/NDF: 11517686.0/43



Right In: -0.000+/-0.000 χ^2/NDF: 17.4/17

Left Out: -0.000+/-0.000 χ^2/NDF:42.4/24

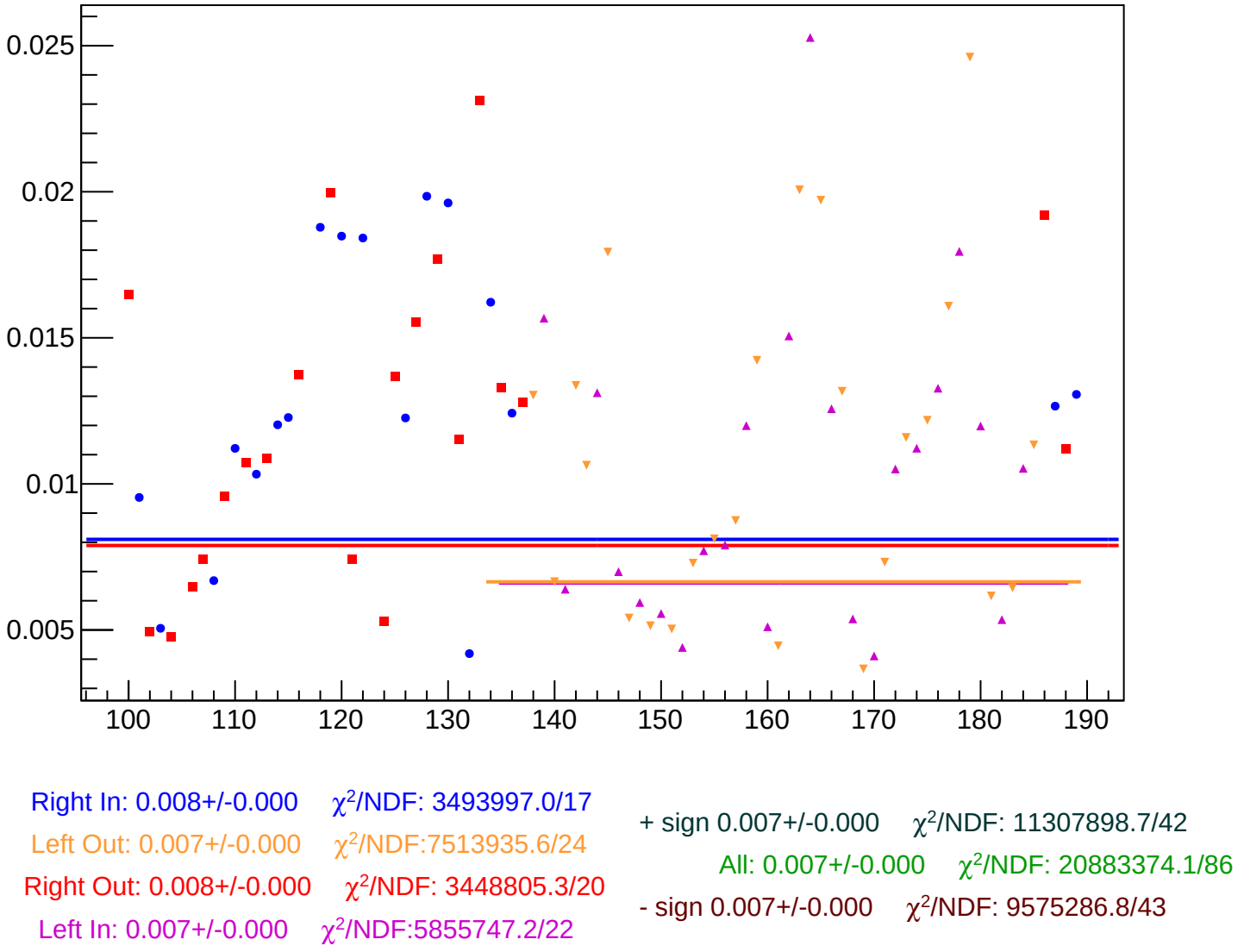
Right Out: 0.000+/-0.000 χ^2/NDF: 24.9/20

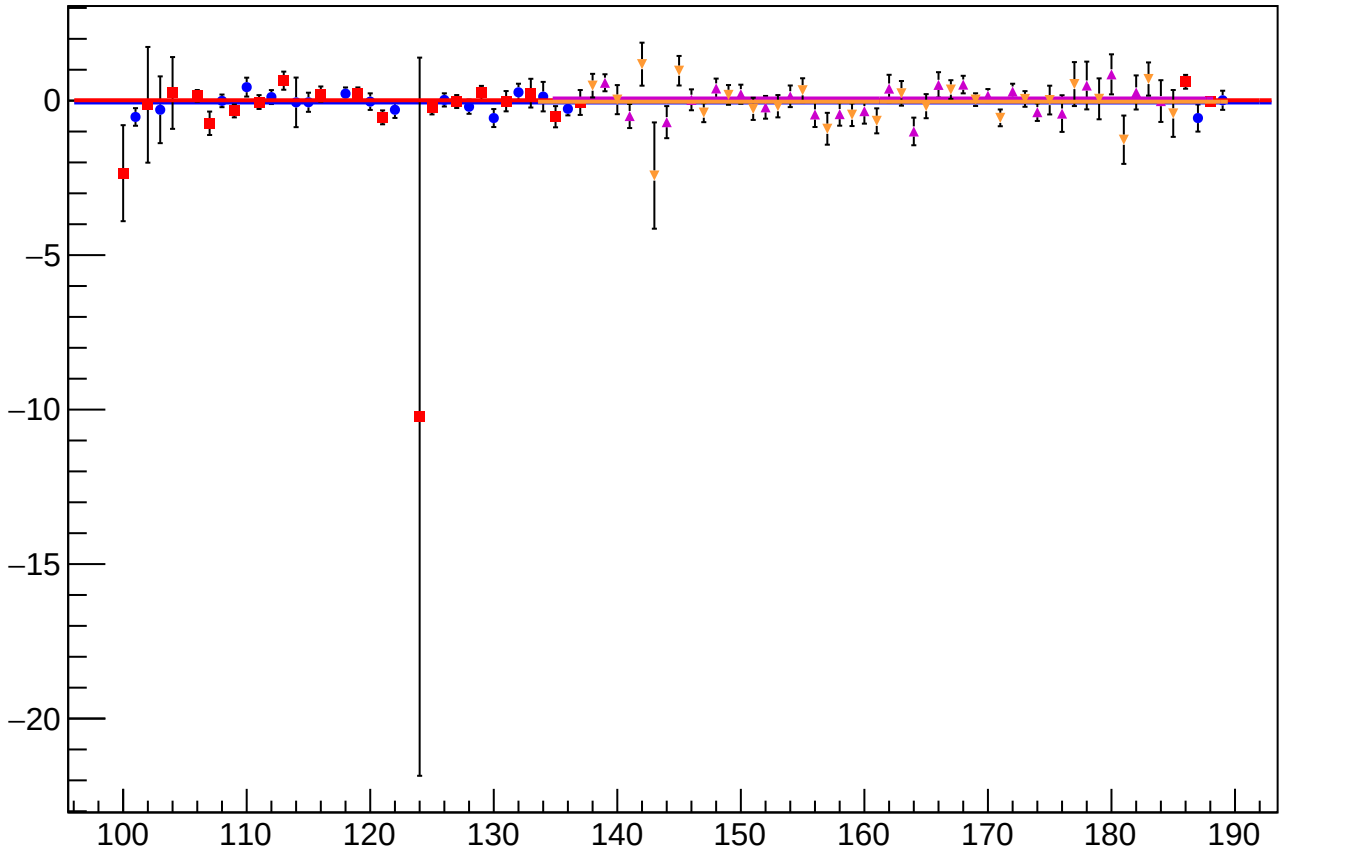
Left In: 0.000+/-0.000 χ^2/NDF:26.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.9/42

All: -0.000+/-0.000 χ^2/NDF: 113.6/86

- sign 0.000+/-0.000 χ^2/NDF: 51.8/43


asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
180
190
Right In: 0.008+/-0.000 χ²/NDF: 3493997.0/17
Left Out: 0.007+/-0.000 χ²/NDF:7513935.6/24
Right Out: 0.008+/-0.000 χ²/NDF: 3448805.3/20
Left In: 0.007+/-0.000 χ²/NDF:5855747.2/22
+ sign 0.007+/-0.000 χ²/NDF: 11307898.7/42
All: 0.007+/-0.000 χ²/NDF: 20883374.1/86
- sign 0.007+/-0.000 χ²/NDF: 9575286.8/43



Right In: -0.059+/-0.065 χ^2/NDF: 16.2/17

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

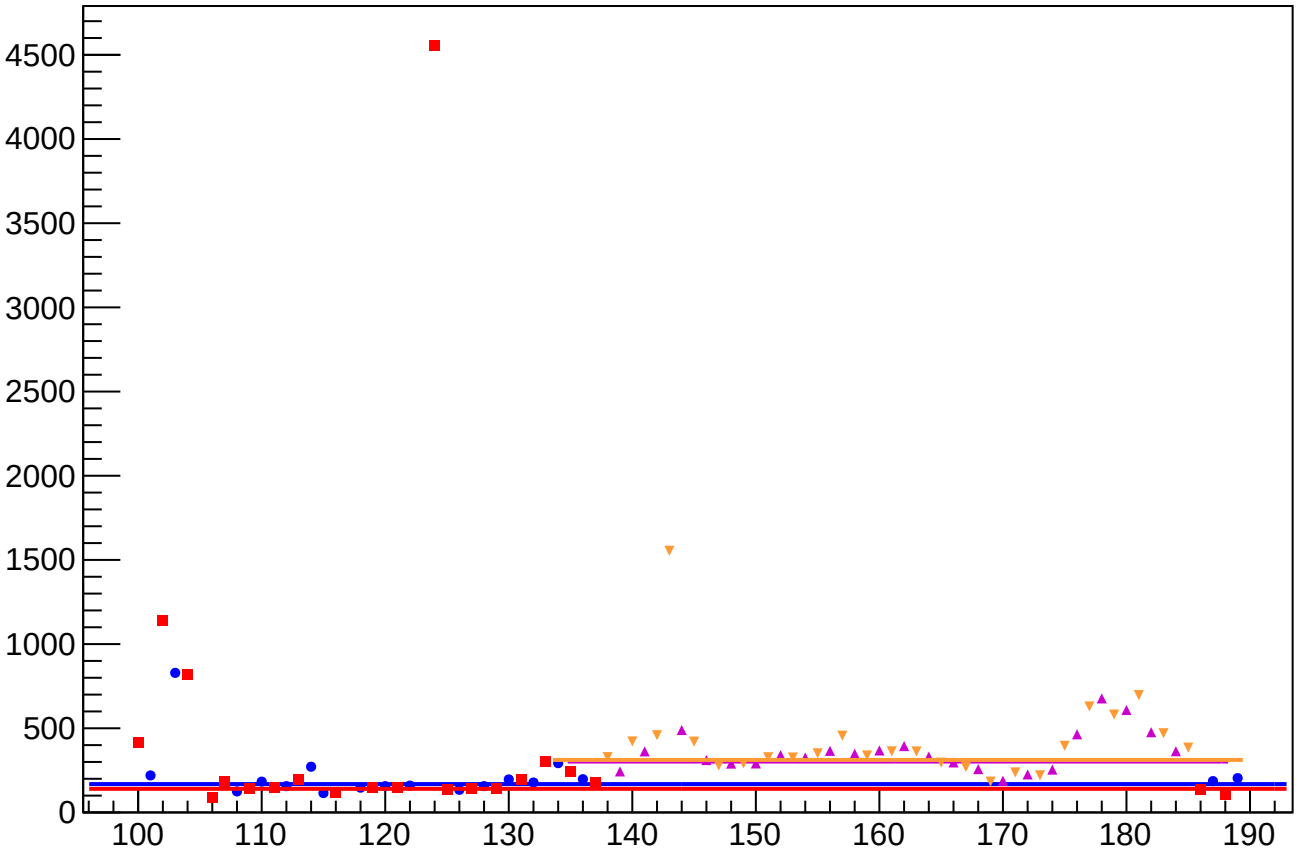
Right Out: 0.012+/-0.054 χ^2/NDF: 35.1/20

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.049+/-0.049 χ^2/NDF: 48.8/42

All: -0.004+/-0.033 χ^2/NDF: 115.8/86

- sign 0.032+/-0.044 χ^2/NDF: 65.4/43



Right In: 168.418+/-0.046 χ^2/NDF: 1314171.4/17

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

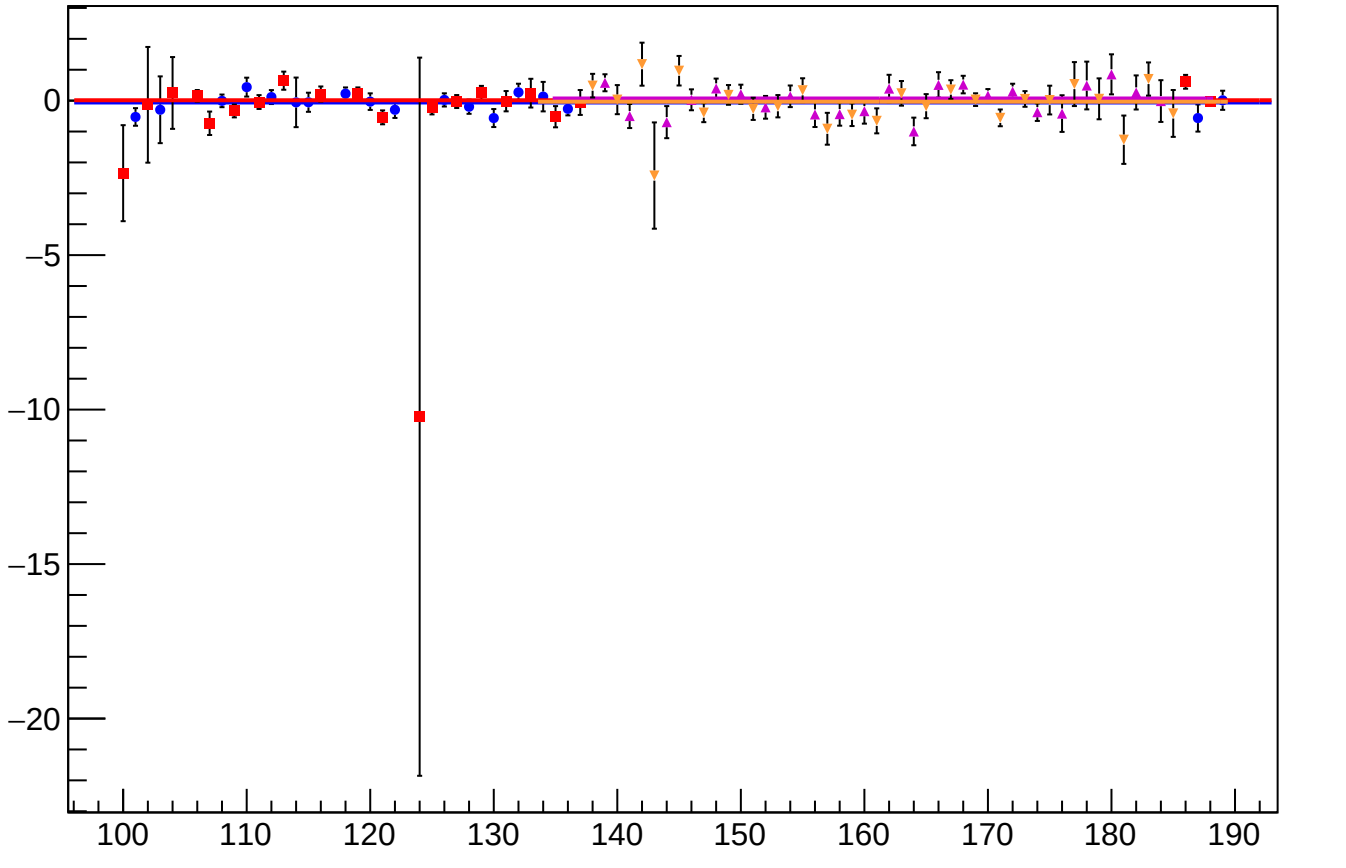
Right Out: 140.355+/-0.038 χ^2/NDF: 2571303.8/20

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

+ sign 227.925+/-0.035 χ^2/NDF: 9768311.0/42

All: 210.178+/-0.023 χ^2/NDF: 21749895.4/86

- sign 196.120+/-0.031 χ^2/NDF: 11518399.0/43



Right In: -0.059+/-0.065 χ^2/NDF: 16.2/17

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

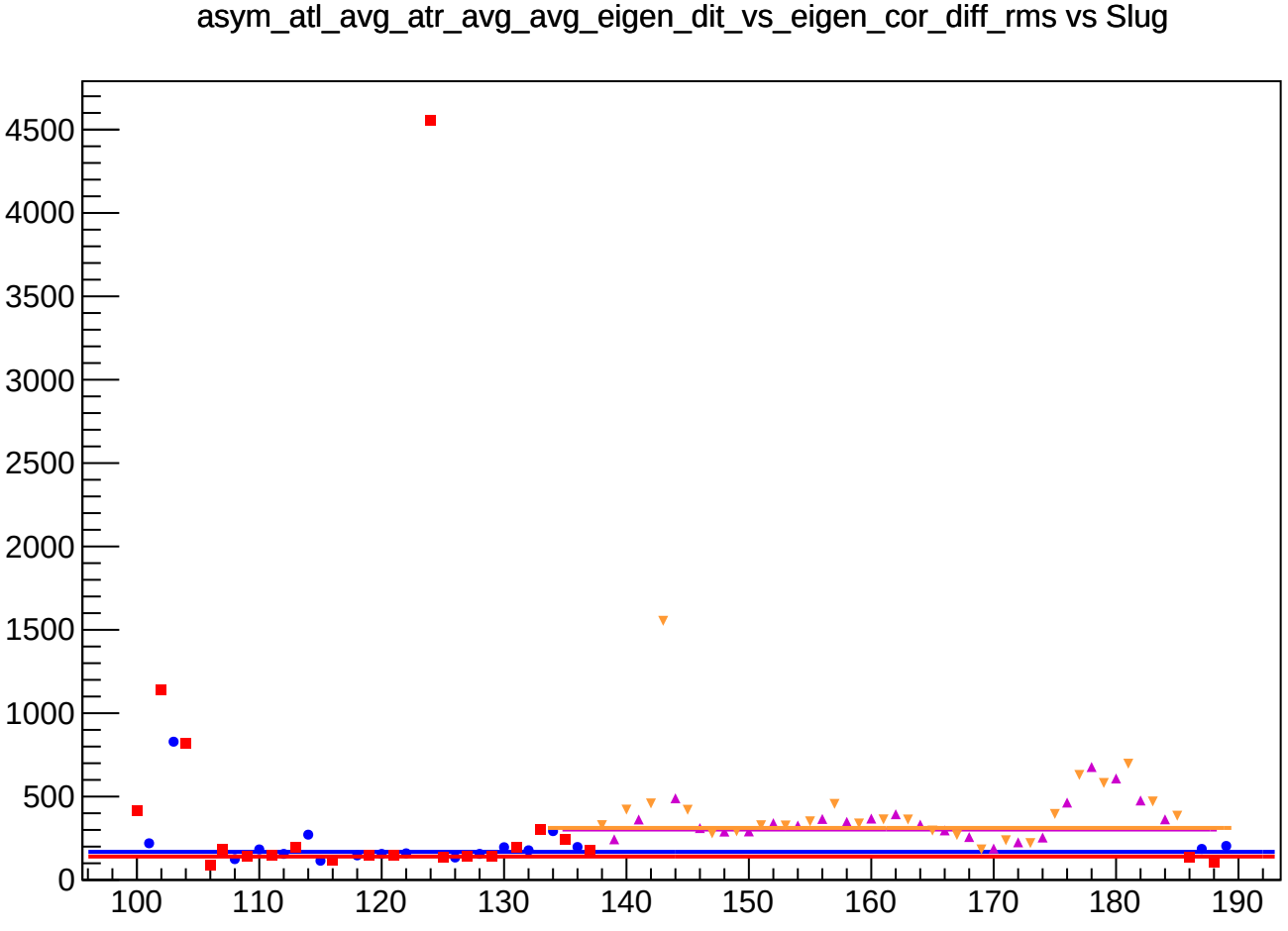
Right Out: 0.012+/-0.054 χ^2/NDF: 35.1/20

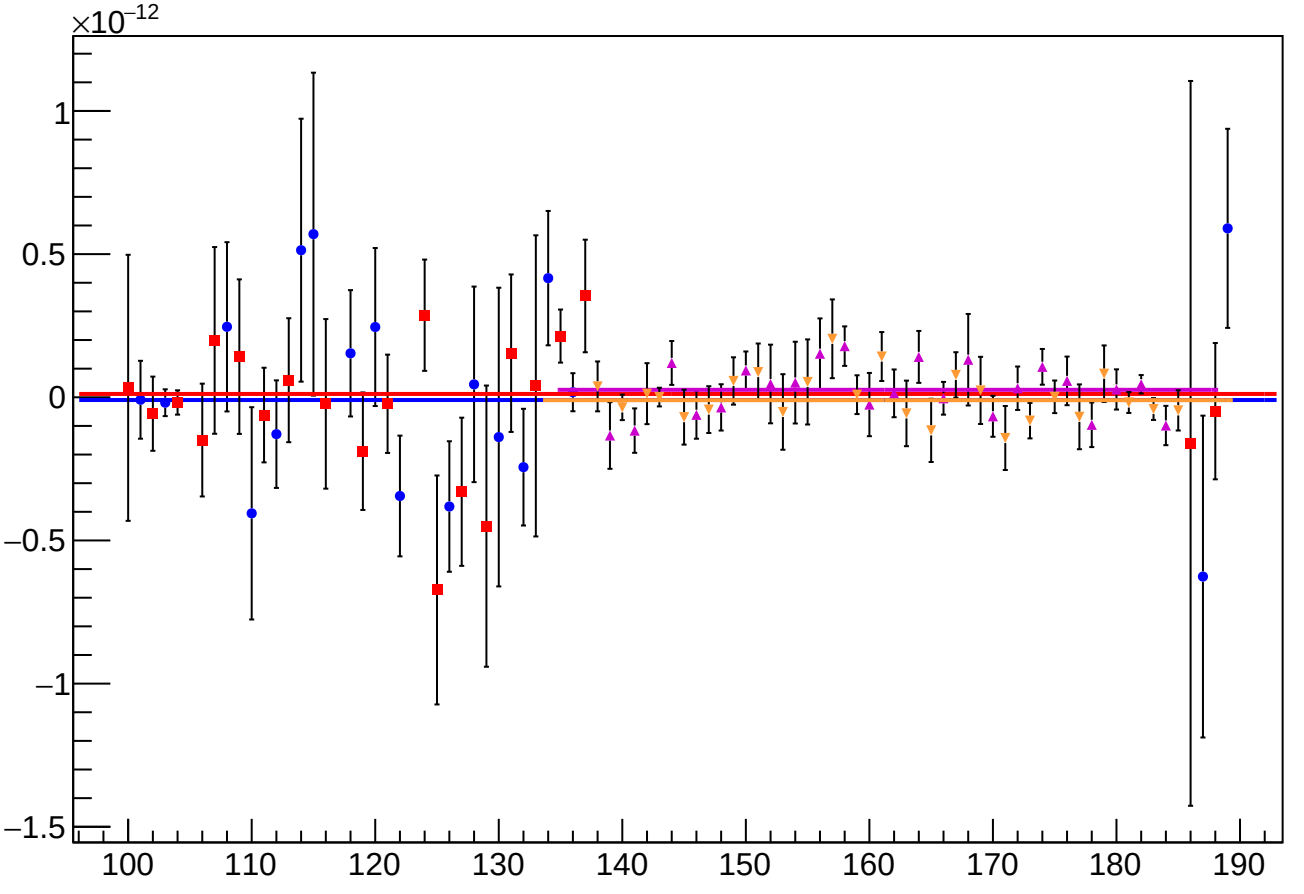
Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.049+/-0.049 χ^2/NDF: 48.8/42

All: -0.004+/-0.033 χ^2/NDF: 115.8/86

- sign 0.032+/-0.044 χ^2/NDF: 65.4/43


asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
110
120
130
140
150
160
170
180
190
Right In: 168.418+/-0.046 χ²/NDF: 1314171.4/17
Left Out: 311.961+/-0.054 χ²/NDF:4350376.6/24
Right Out: 140.355+/-0.038 χ²/NDF: 2571303.8/20
Left In: 302.377+/-0.053 χ²/NDF:2808874.8/22
+ sign 227.925+/-0.035 χ²/NDF: 9768311.0/42
All: 210.178+/-0.023 χ²/NDF: 21749895.4/86
- sign 196.120+/-0.031 χ²/NDF: 11518399.0/43



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/17

Left Out: -0.000+/-0.000 χ^2/NDF:16.2/24

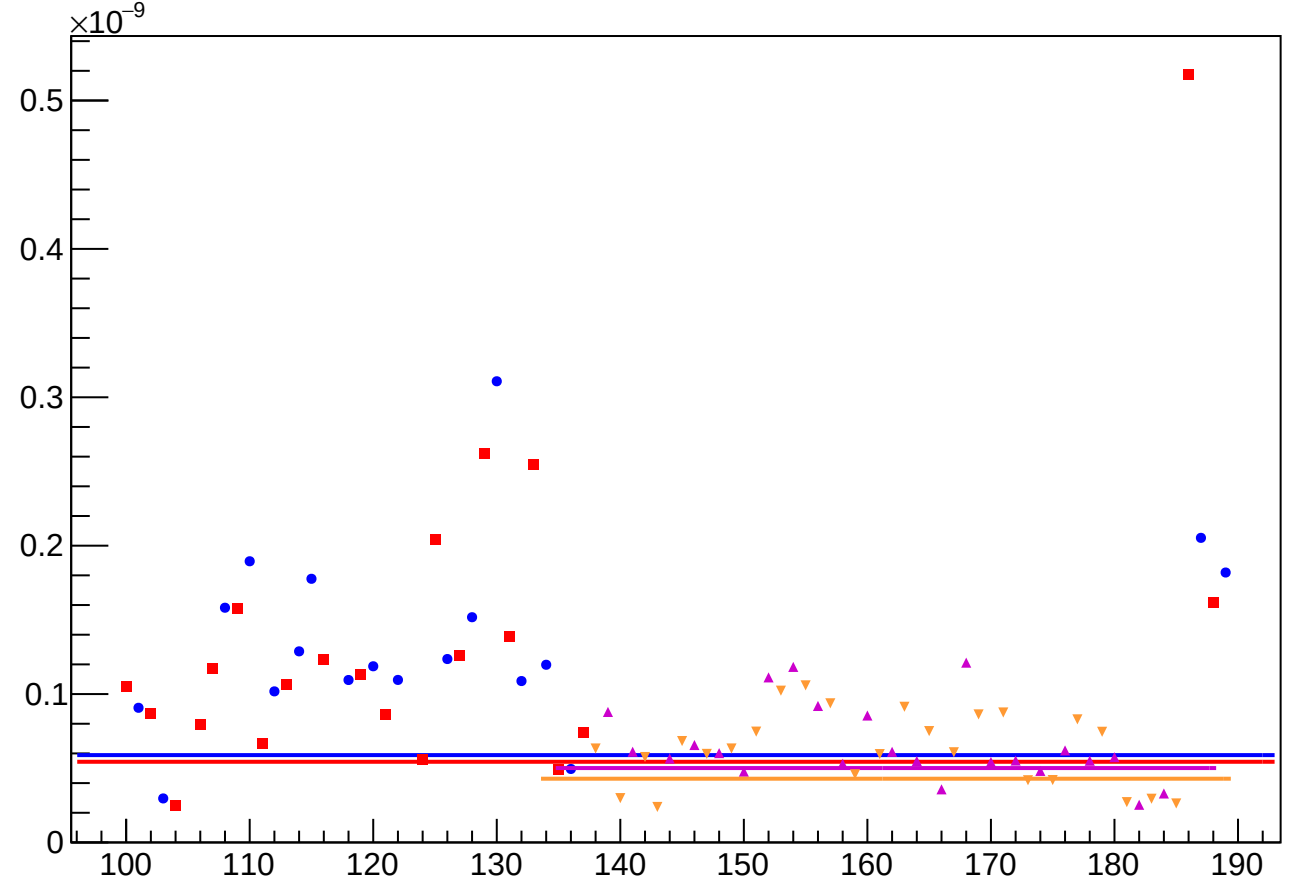
Right Out: 0.000+/-0.000 χ^2/NDF: 19.0/20

Left In: 0.000+/-0.000 χ^2/NDF:27.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 36.5/42

All: 0.000+/-0.000 χ^2/NDF: 86.5/86

- sign 0.000+/-0.000 χ^2/NDF: 46.7/43



Right In: 0.000+/-0.000 χ^2/NDF: 3374126.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:5074676.1/24

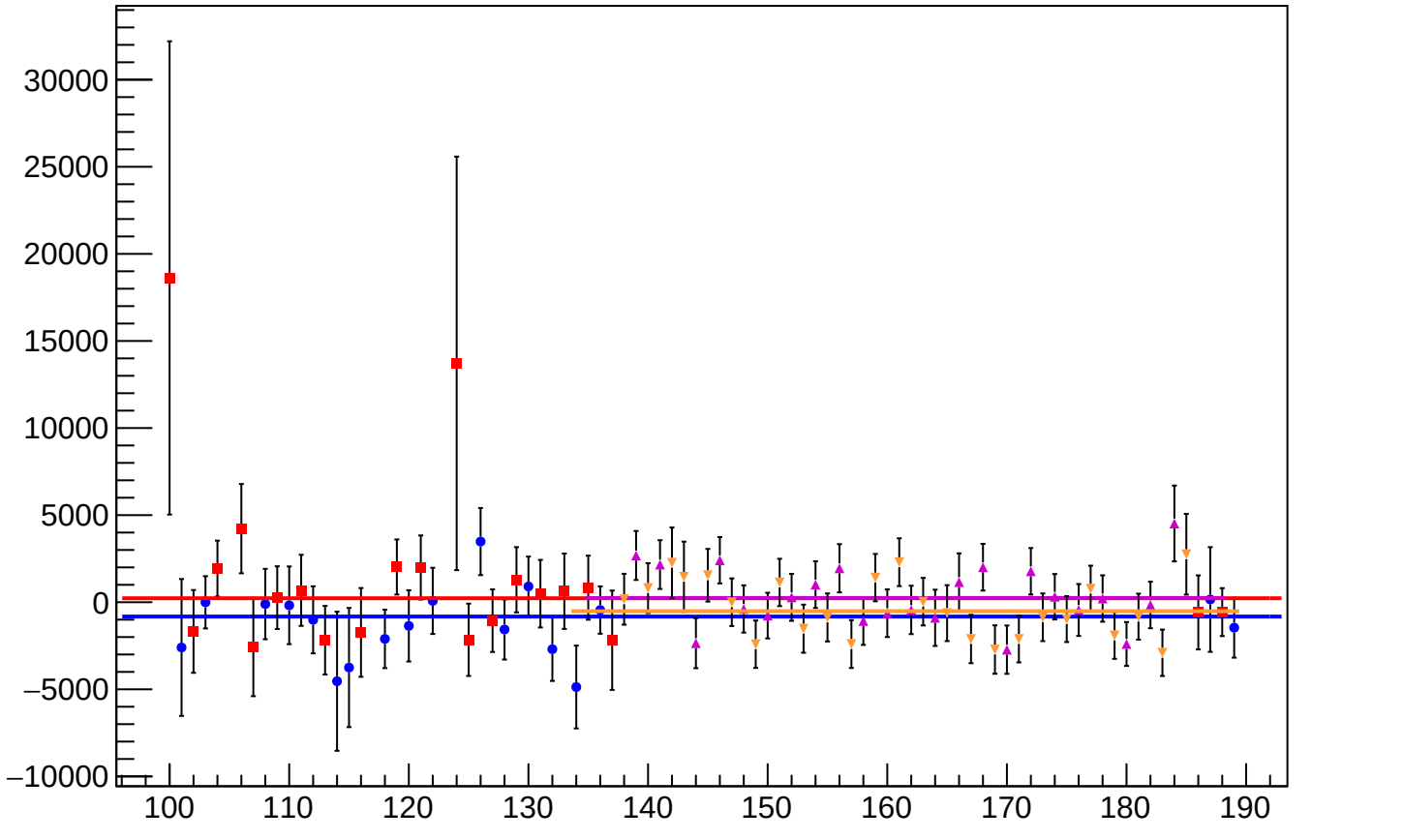
Right Out: 0.000+/-0.000 χ^2/NDF: 3969899.4/20

Left In: 0.000+/-0.000 χ^2/NDF:3611362.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 8853246.0/42

All: 0.000+/-0.000 χ^2/NDF: 16653873.8/86

- sign 0.000+/-0.000 χ^2/NDF: 7611091.4/43



Right In: -822.961+/-463.363 χ^2/NDF: 13.7/17

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: 228.188+/-447.782 χ^2/NDF: 16.2/20

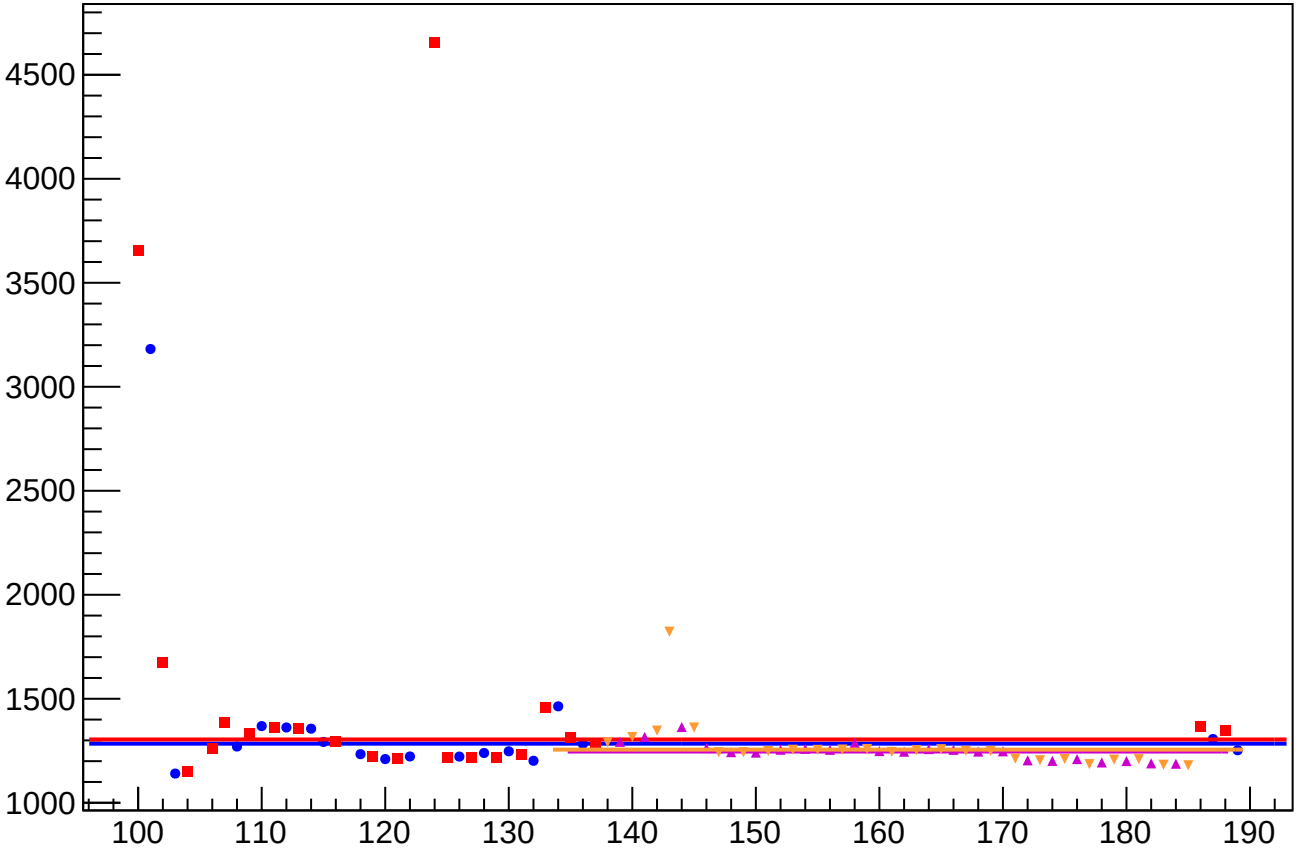
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

+ sign -599.560+/-243.340 χ^2/NDF: 44.9/42

All: -181.898+/-172.335 χ^2/NDF: 99.0/86

- sign 238.377+/-244.100 χ^2/NDF: 48.2/43

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1284.135+/-0.328 χ^2/NDF: 518949.5/17

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

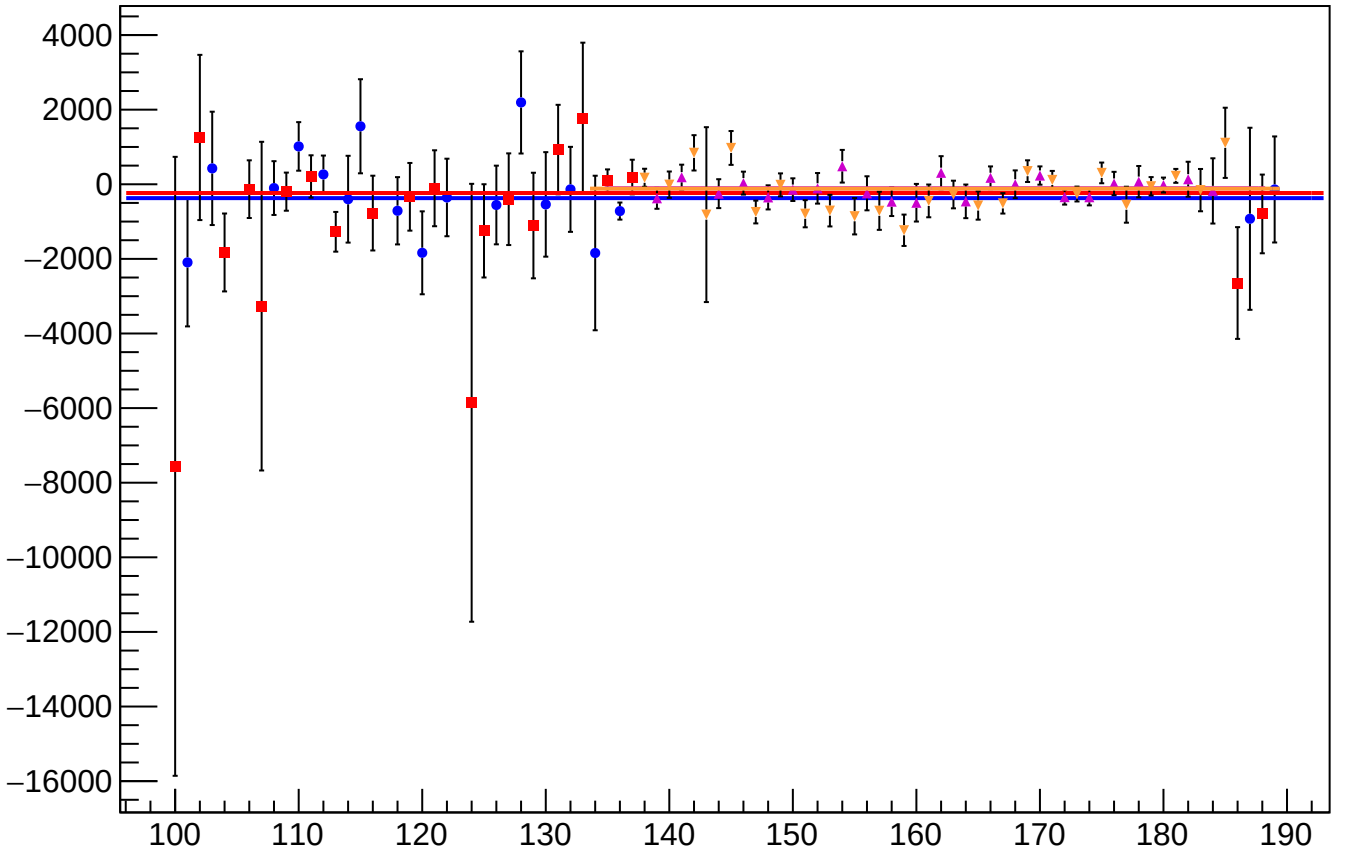
Right Out: 1304.326+/-0.317 χ^2/NDF: 332177.9/20

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1263.408+/-0.172 χ^2/NDF: 727599.9/42

All: 1263.494+/-0.122 χ^2/NDF: 1123195.8/86

- sign 1263.582+/-0.173 χ^2/NDF: 395595.4/43



Right In: -371.698+/-166.648 χ^2/NDF: 18.2/17

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: -234.361+/-166.390 χ^2/NDF: 17.6/20

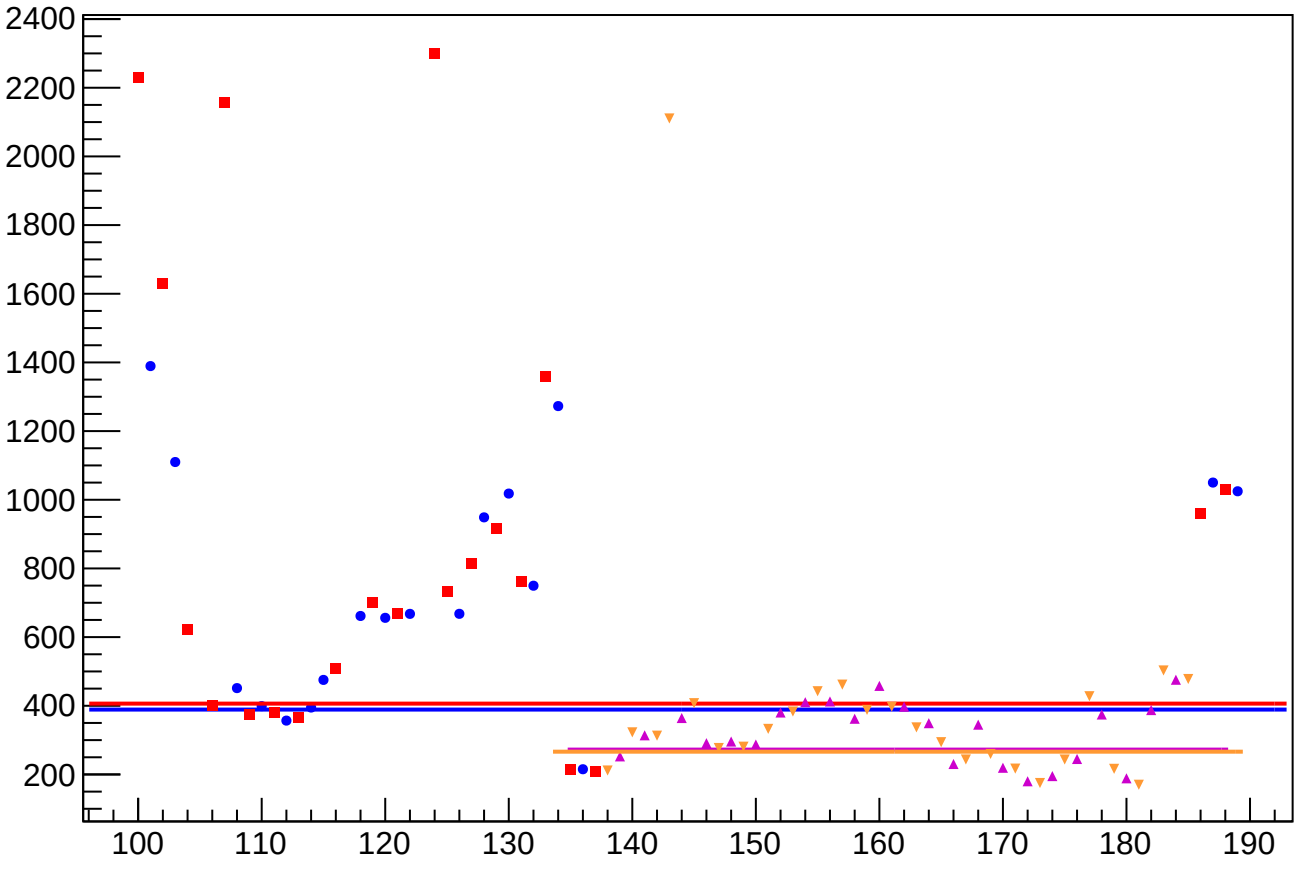
Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

+ sign -150.709+/-60.604 χ^2/NDF: 68.7/42

All: -138.210+/-43.390 χ^2/NDF: 100.6/86

- sign -125.064+/-62.151 χ^2/NDF: 31.8/43

asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug



Right In: 388.937+/-0.118 χ^2/NDF: 4747435.1/17

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 406.287+/-0.118 χ^2/NDF: 5063951.0/20

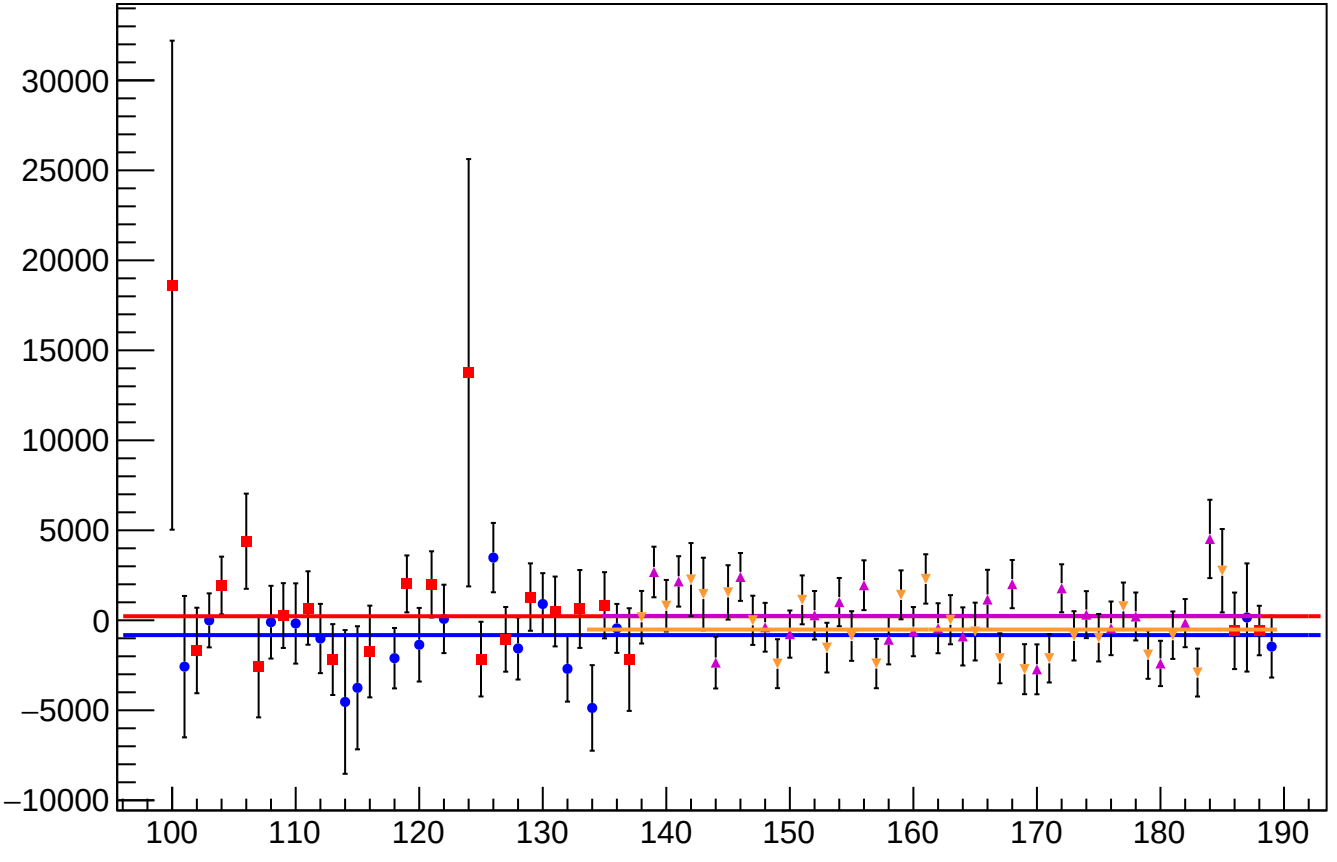
Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

+ sign 282.537+/-0.043 χ^2/NDF: 10317111.4/42

All: 286.688+/-0.031 χ^2/NDF: 19402948.4/86

- sign 291.053+/-0.044 χ^2/NDF: 9066590.9/43

cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -822.593+/-463.363 χ^2/NDF: 13.7/17

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 225.736+/-448.191 χ^2/NDF: 16.2/20

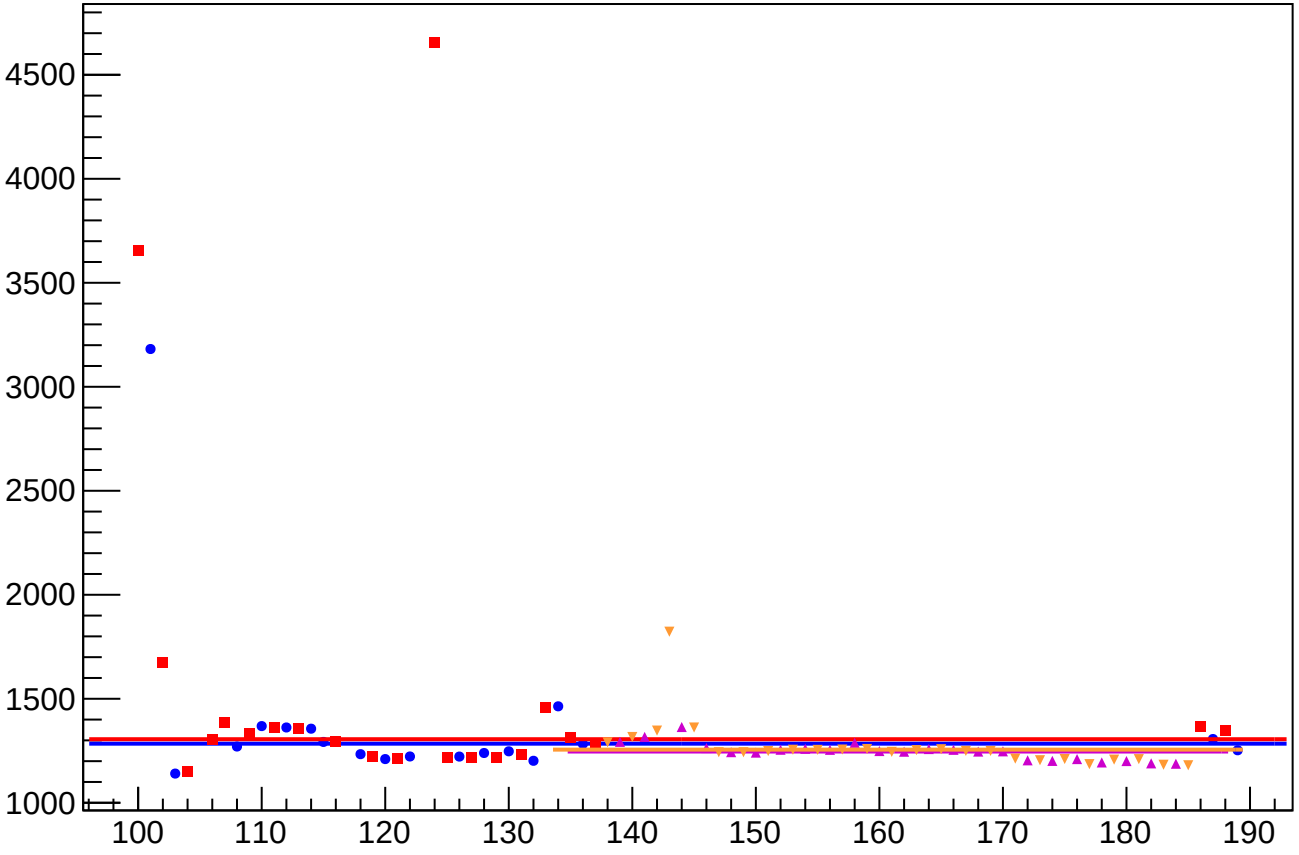
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -599.419+/-243.340 χ^2/NDF: 44.9/42

All: -182.308+/-172.358 χ^2/NDF: 99.1/86

- sign 237.639+/-244.166 χ^2/NDF: 48.3/43

cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1284.135+/-0.328 χ^2/NDF: 518950.9/17

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

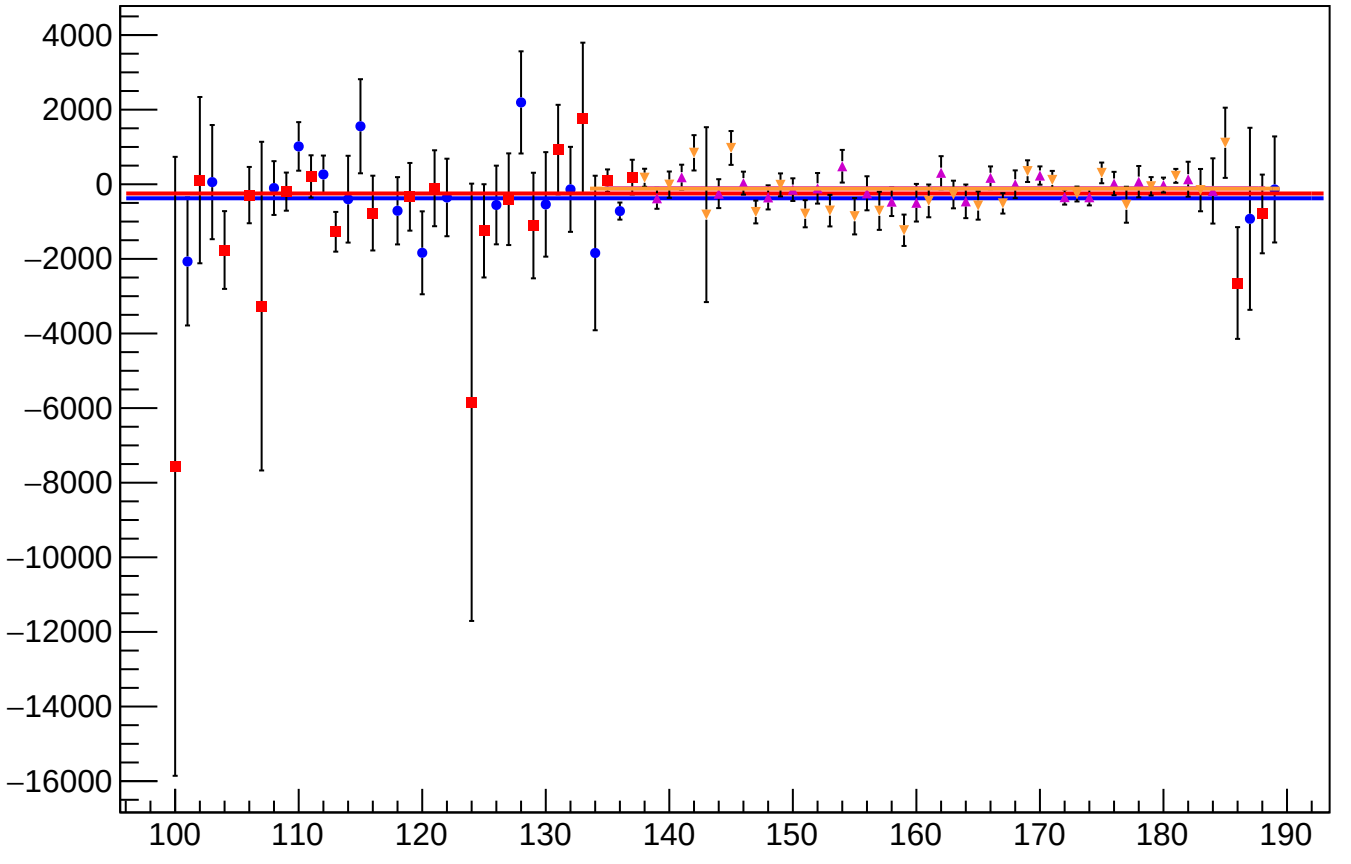
Right Out: 1305.574+/-0.317 χ^2/NDF: 331644.9/20

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1263.408+/-0.172 χ^2/NDF: 727601.2/42

All: 1263.668+/-0.122 χ^2/NDF: 1123661.7/86

- sign 1263.930+/-0.173 χ^2/NDF: 396055.9/43



Right In: -376.061+/-166.667 χ^2/NDF: 18.0/17

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

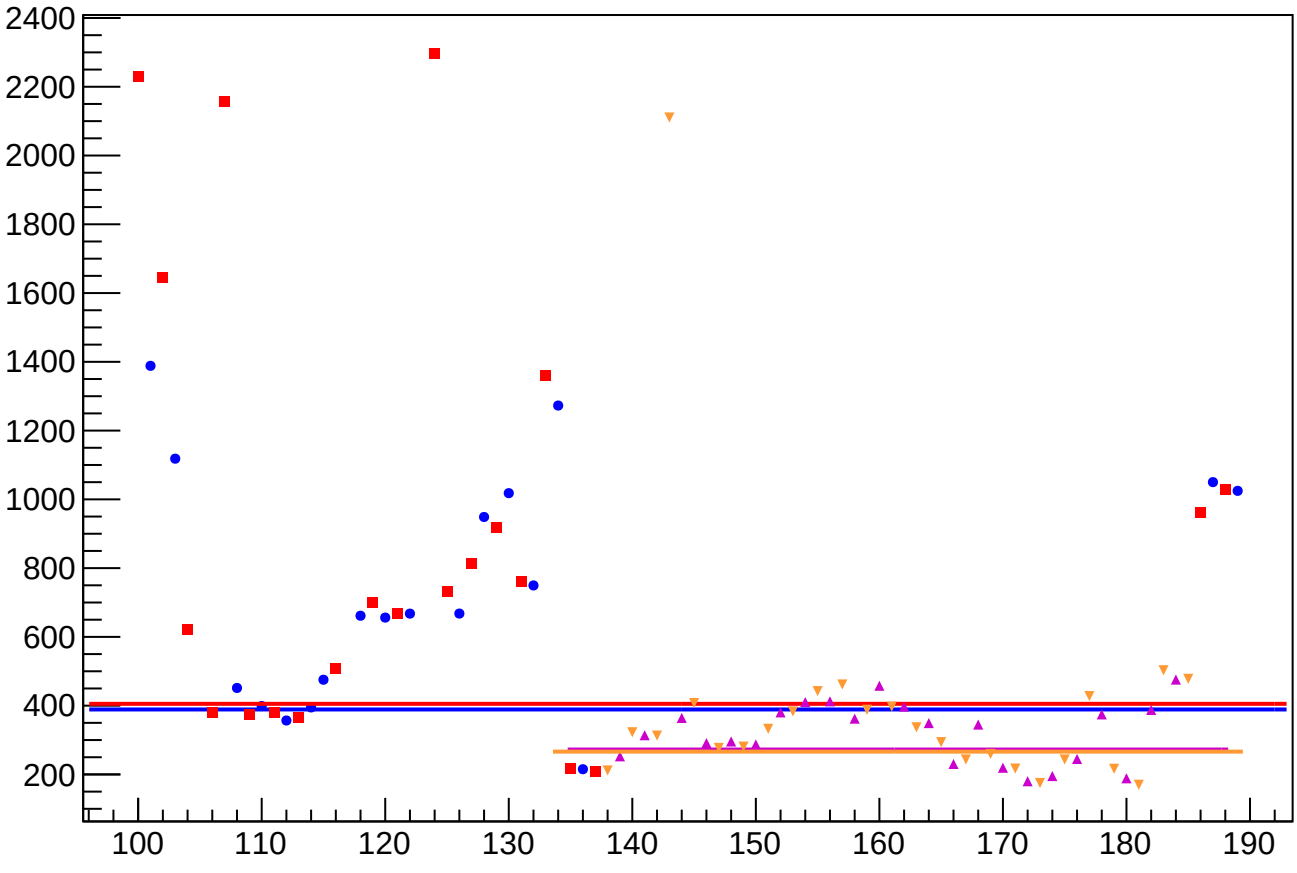
Right Out: -246.976+/-166.203 χ^2/NDF: 17.0/20

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -151.258+/-60.606 χ^2/NDF: 68.6/42

All: -139.415+/-43.388 χ^2/NDF: 99.9/86

- sign -126.964+/-62.143 χ^2/NDF: 31.3/43



Right In: 388.931+/-0.118 χ^2/NDF: 4750587.4/17

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

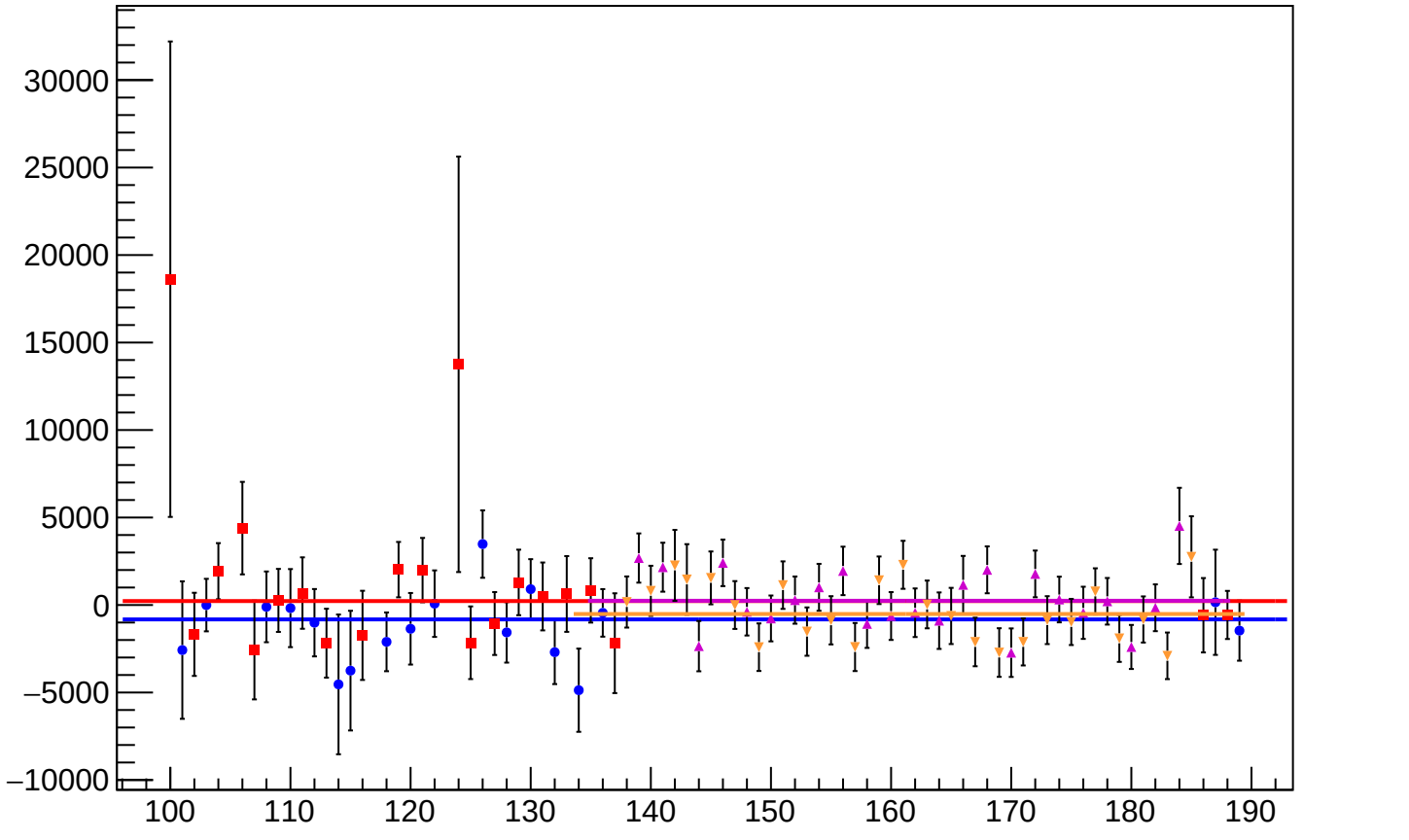
Right Out: 405.332+/-0.118 χ^2/NDF: 5072546.9/20

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 282.539+/-0.043 χ^2/NDF: 10319934.1/42

All: 286.646+/-0.031 χ^2/NDF: 19399853.0/86

- sign 290.965+/-0.044 χ^2/NDF: 9061073.4/43



Right In: -822.593+/-463.363 χ^2/NDF: 13.7/17

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 225.736+/-448.191 χ^2/NDF: 16.2/20

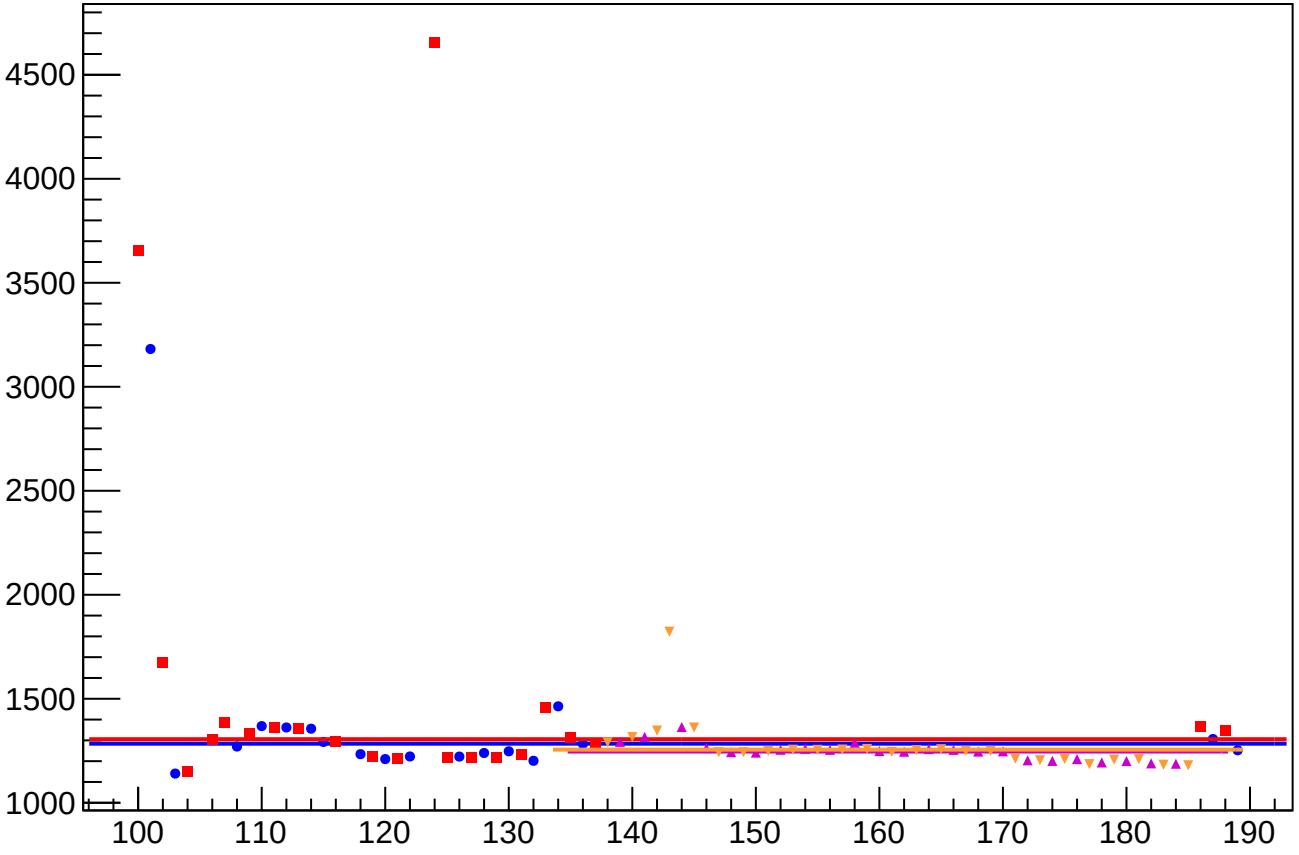
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -599.419+/-243.340 χ^2/NDF: 44.9/42

All: -182.308+/-172.358 χ^2/NDF: 99.1/86

- sign 237.639+/-244.166 χ^2/NDF: 48.3/43

eigen_cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1284.135+/-0.328 χ^2/NDF: 518950.9/17

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

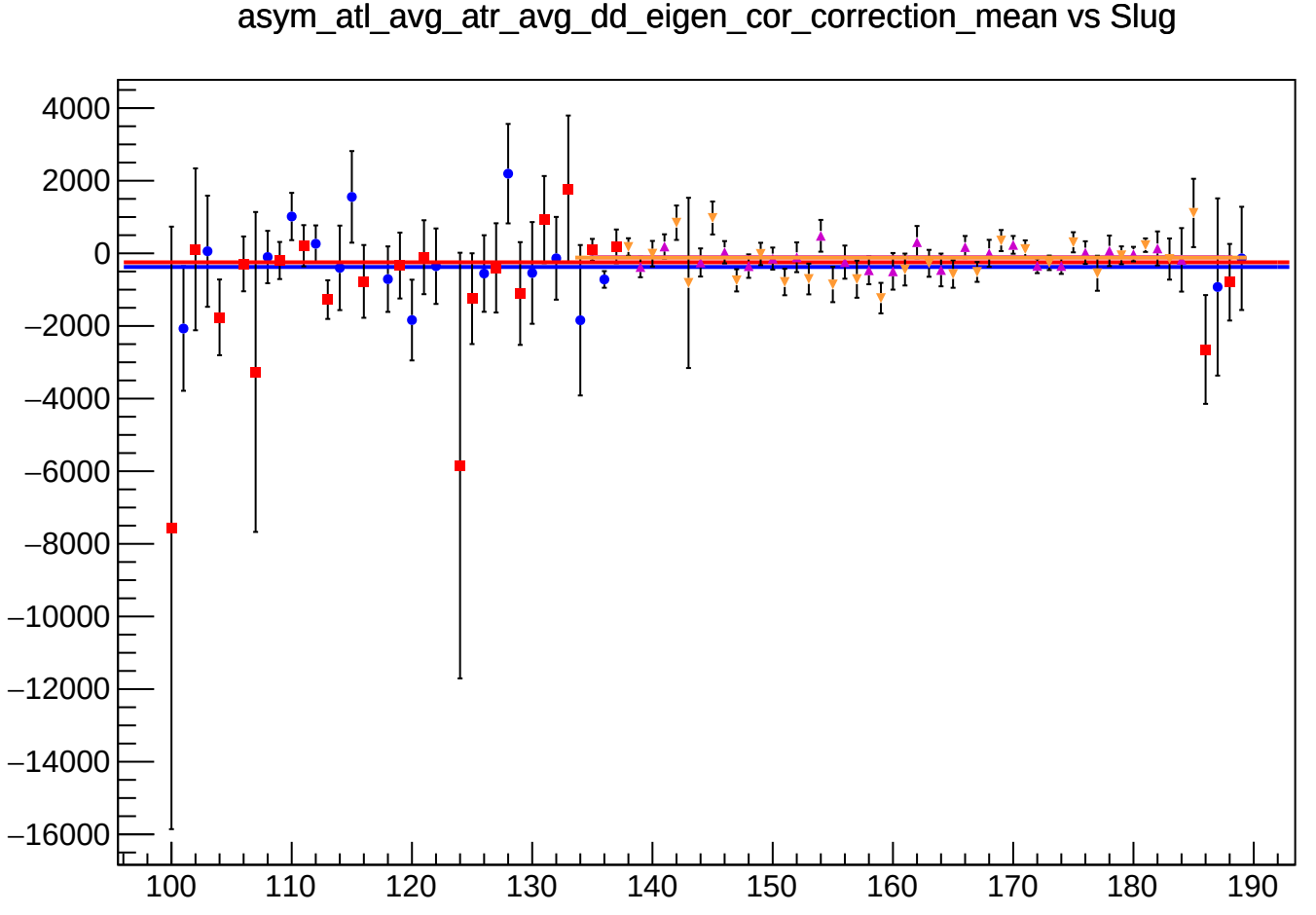
Right Out: 1305.574+/-0.317 χ^2/NDF: 331644.9/20

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1263.408+/-0.172 χ^2/NDF: 727601.2/42

All: 1263.668+/-0.122 χ^2/NDF: 1123661.7/86

- sign 1263.930+/-0.173 χ^2/NDF: 396055.9/43



Right In: -376.061+/-166.667 χ^2/NDF: 18.0/17

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

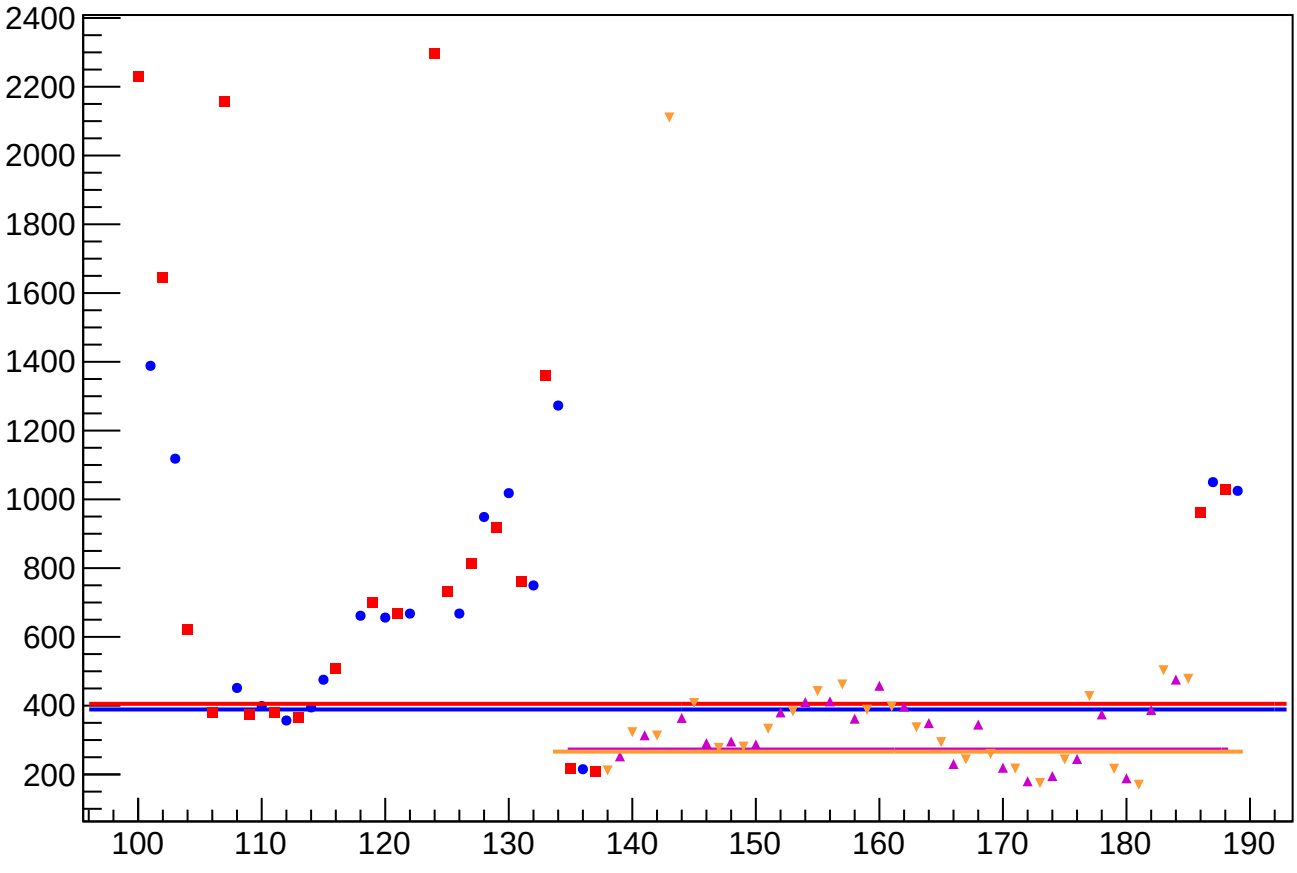
Right Out: -246.976+/-166.203 χ^2/NDF: 17.0/20

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -151.258+/-60.606 χ^2/NDF: 68.6/42

All: -139.415+/-43.388 χ^2/NDF: 99.9/86

- sign -126.964+/-62.143 χ^2/NDF: 31.3/43



Right In: 388.931+/-0.118 χ^2/NDF: 4750587.4/17

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 405.332+/-0.118 χ^2/NDF: 5072546.9/20

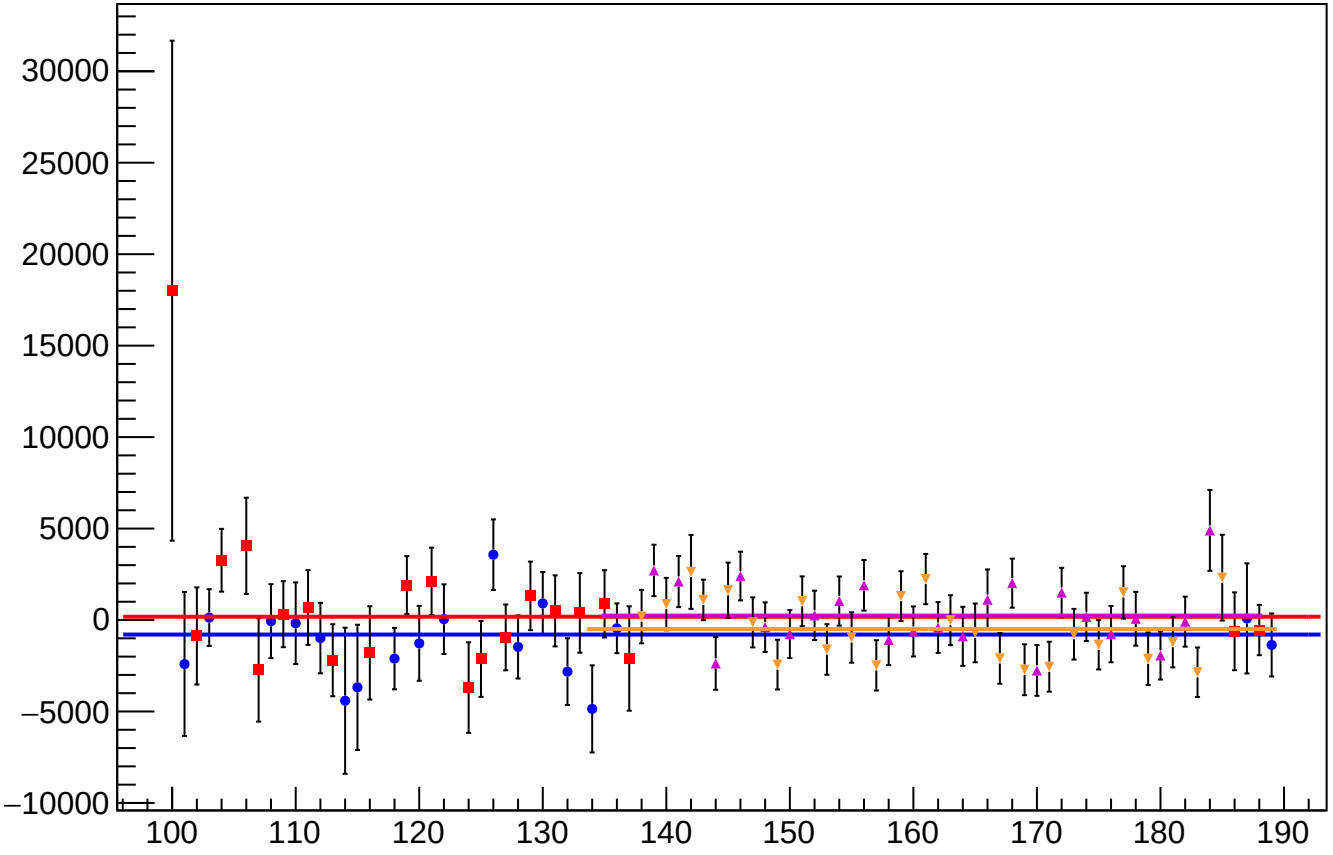
Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 282.539+/-0.043 χ^2/NDF: 10319934.1/42

All: 286.646+/-0.031 χ^2/NDF: 19399853.0/86

- sign 290.965+/-0.044 χ^2/NDF: 9061073.4/43

dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -794.138+/-465.277 χ^2/NDF: 13.8/17

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: 180.946+/-445.342 χ^2/NDF: 18.4/20

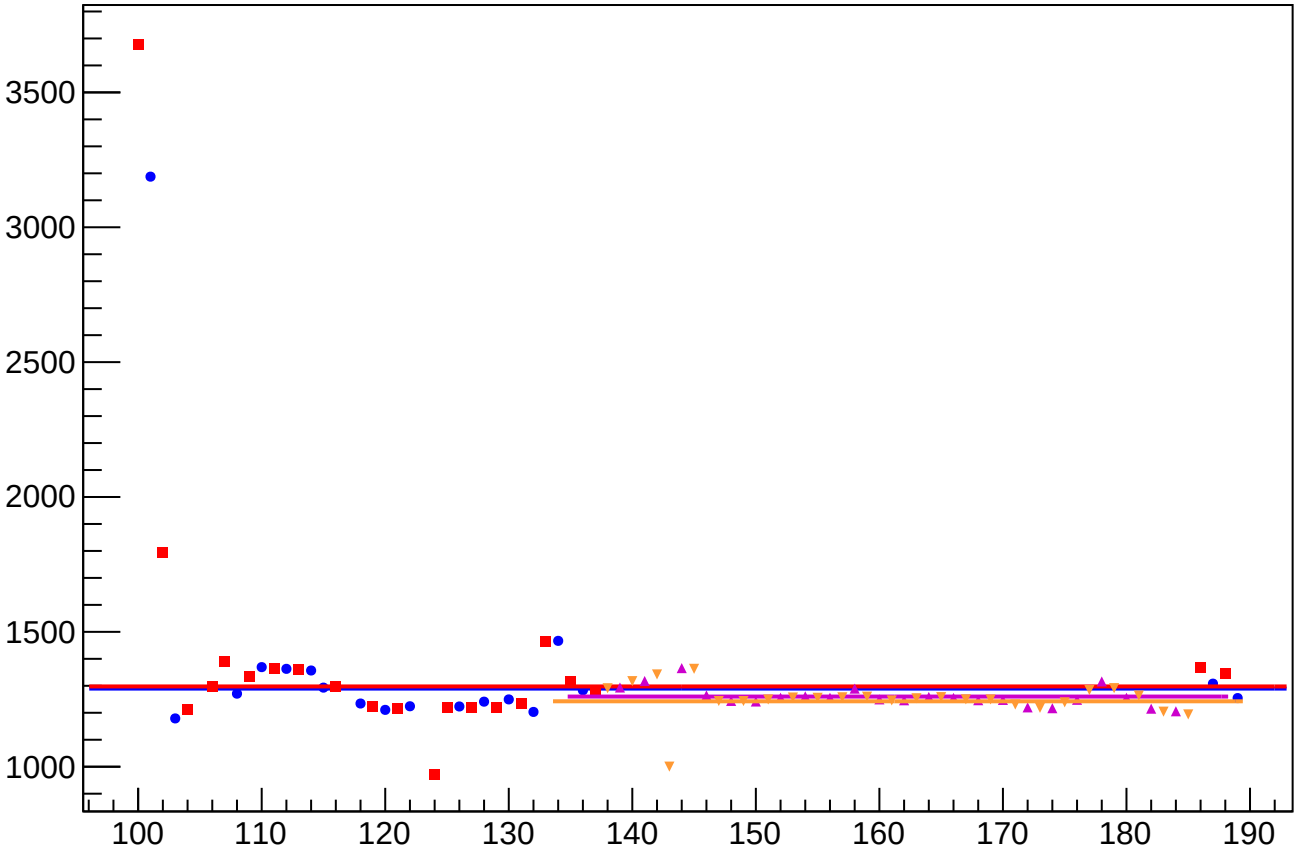
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -574.529+/-241.621 χ^2/NDF: 48.3/42

All: -181.985+/-172.225 χ^2/NDF: 102.8/86

- sign 223.441+/-245.554 χ^2/NDF: 49.1/43

dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1289.680+/-0.329 χ^2/NDF: 510361.0/17

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

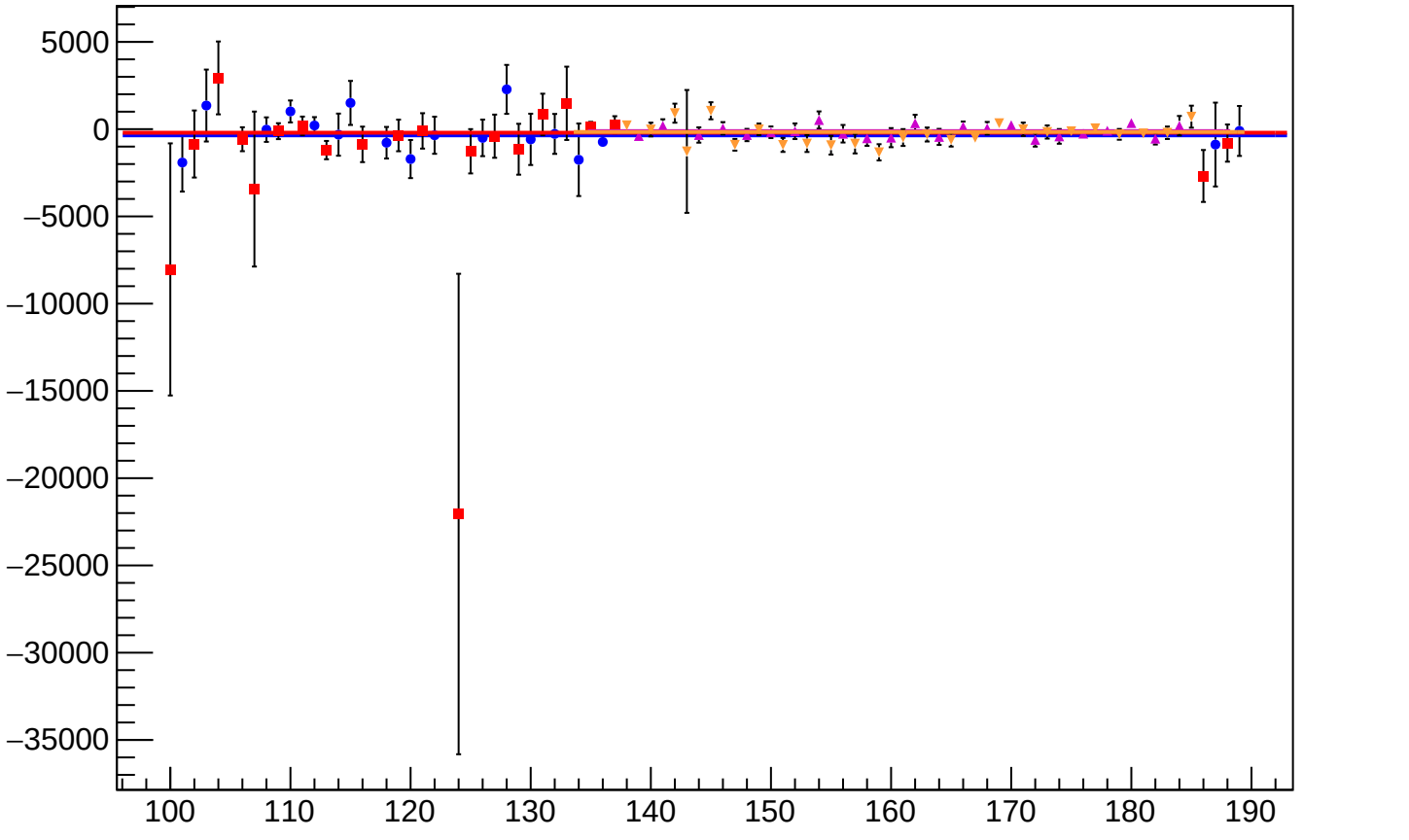
Right Out: 1297.624+/-0.315 χ^2/NDF: 214720.2/20

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

\+ sign 1255.252+/-0.171 χ^2/NDF: 655377.8/42

All: 1263.247+/-0.122 χ^2/NDF: 912366.7/86

\- sign 1271.504+/-0.174 χ^2/NDF: 252537.9/43



Right In: -354.342+/-168.369 χ^2/NDF: 18.5/17

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

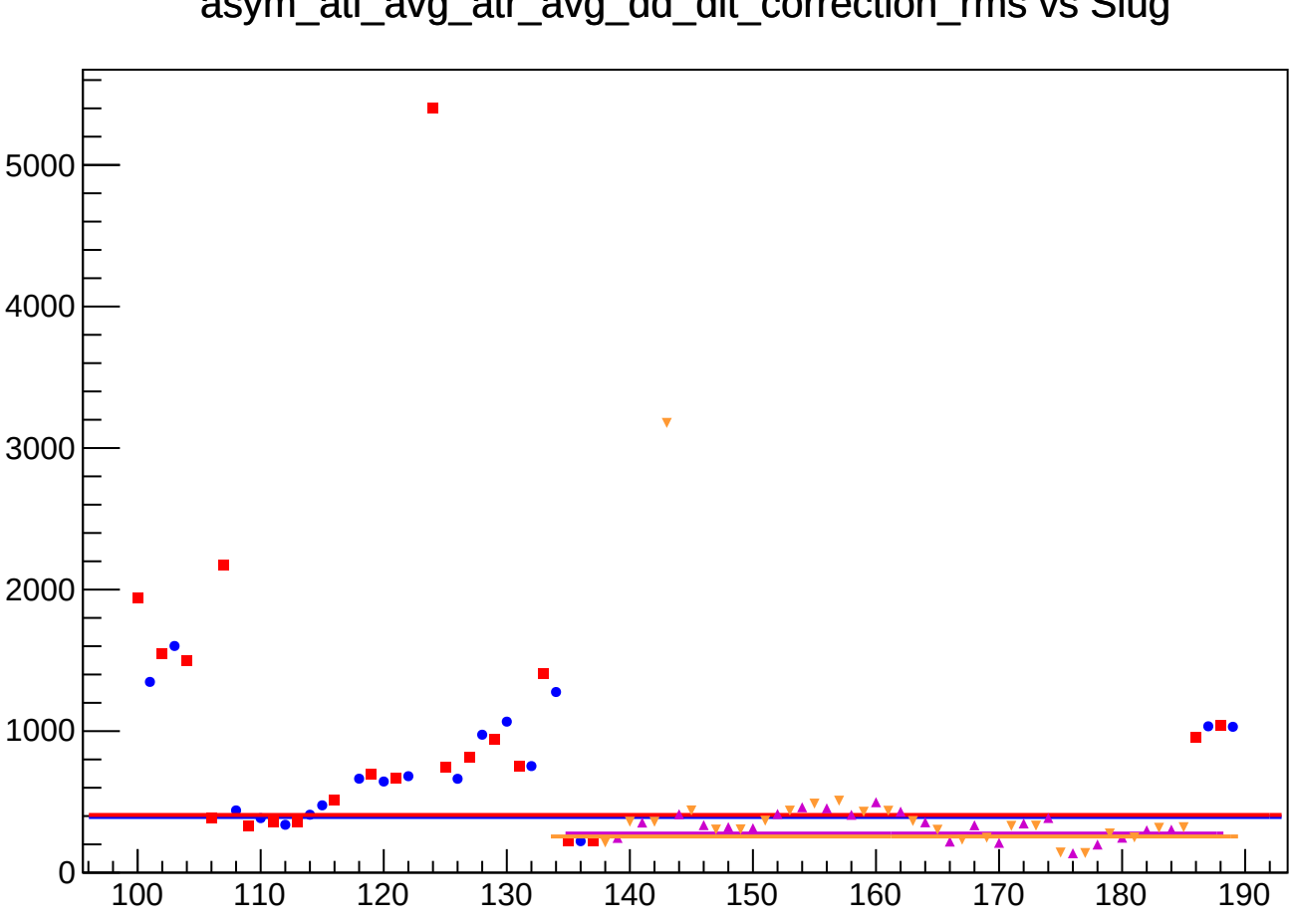
Right Out: -205.206+/-166.501 χ^2/NDF: 19.0/20

Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

+ sign -185.436+/-59.932 χ^2/NDF: 63.4/42

All: -157.996+/-43.623 χ^2/NDF: 101.3/86

- sign -127.077+/-63.617 χ^2/NDF: 37.5/43



Right In: 393.541+/-0.119 χ^2/NDF: 4866722.7/17

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

Right Out: 407.821+/-0.118 χ^2/NDF: 5574336.4/20

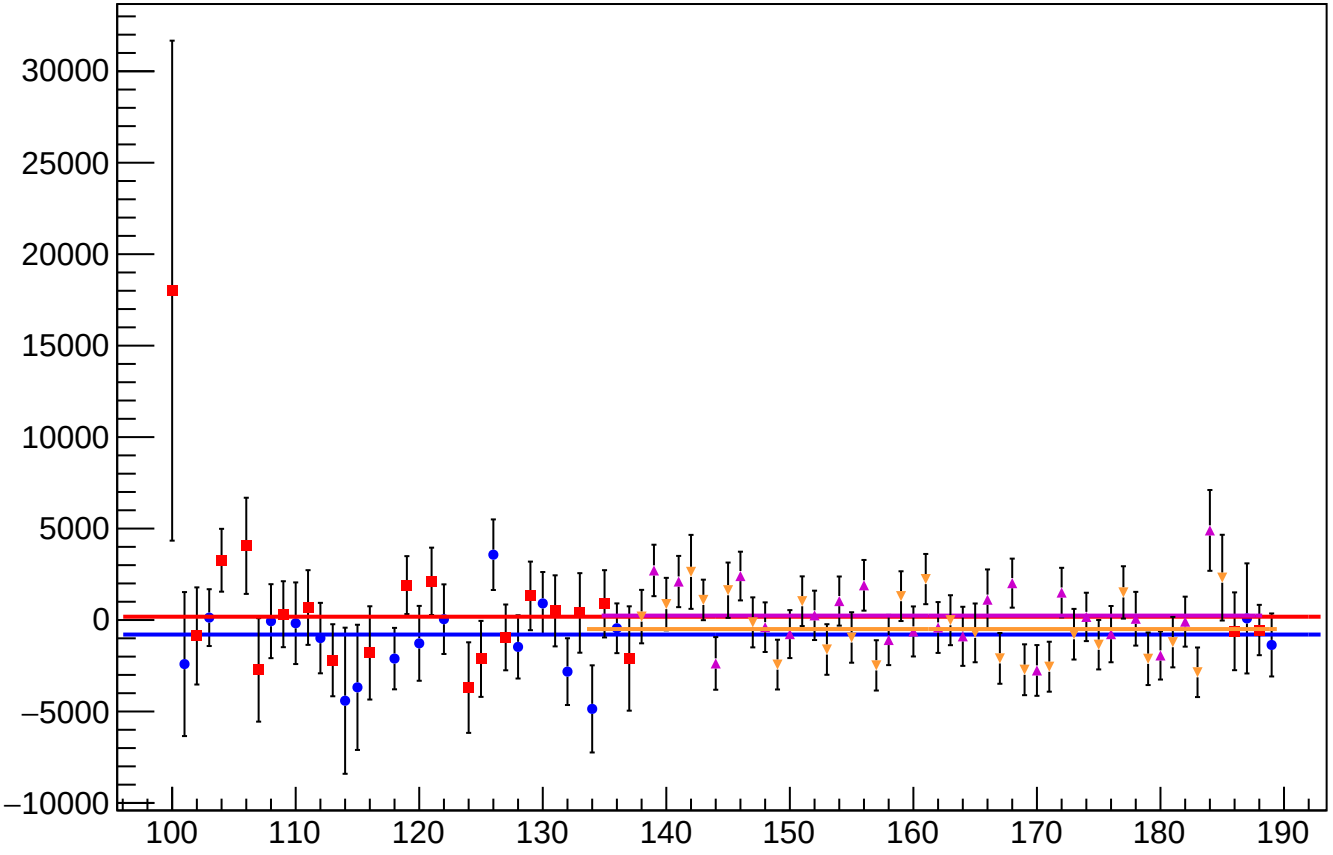
Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 273.225+/-0.042 χ^2/NDF: 12410127.2/42

All: 283.698+/-0.031 χ^2/NDF: 23207535.0/86

- sign 295.499+/-0.045 χ^2/NDF: 10667508.3/43

eigen_dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -794.140+/-465.277 χ^2/NDF: 13.8/17

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: 180.947+/-445.342 χ^2/NDF: 18.4/20

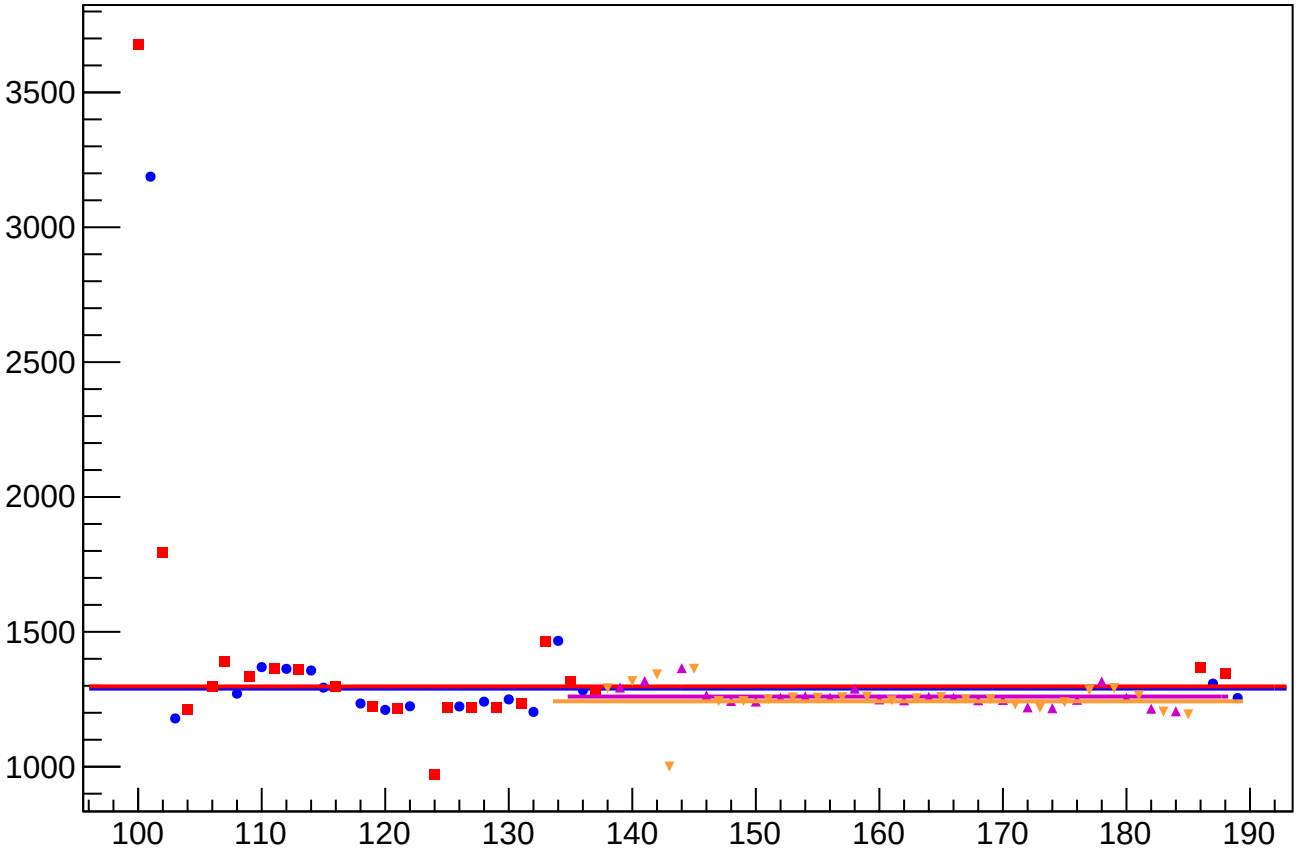
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -574.529+/-241.621 χ^2/NDF: 48.3/42

All: -181.985+/-172.225 χ^2/NDF: 102.8/86

- sign 223.441+/-245.554 χ^2/NDF: 49.1/43

eigen_dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1289.680+/-0.329 χ^2/NDF: 510361.0/17

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

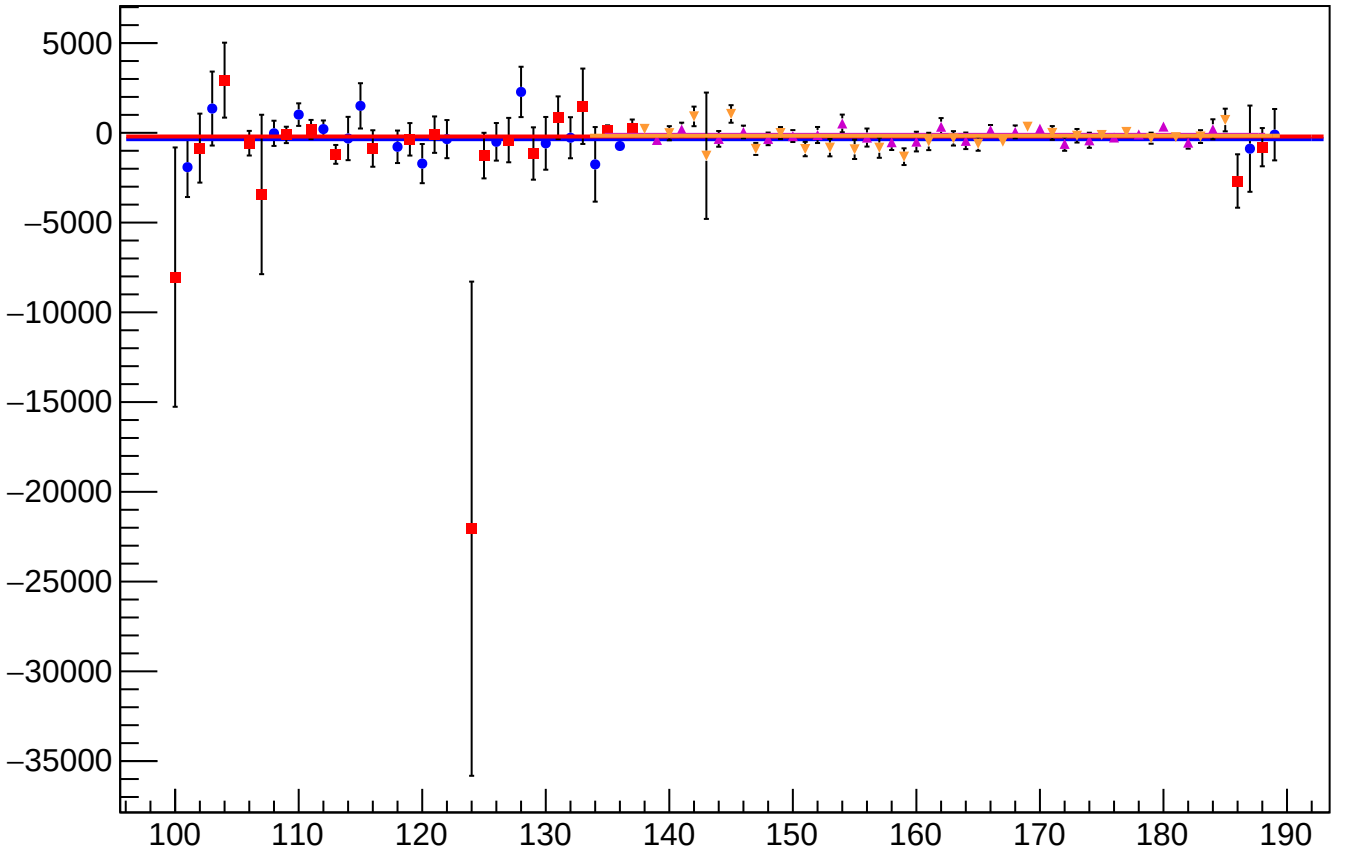
Right Out: 1297.624+/-0.315 χ^2/NDF: 214720.5/20

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

\+ sign 1255.252+/-0.171 χ^2/NDF: 655376.9/42

All: 1263.247+/-0.122 χ^2/NDF: 912366.1/86

\- sign 1271.504+/-0.174 χ^2/NDF: 252538.3/43



Right In: -354.343+/-168.372 χ^2/NDF: 18.5/17

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

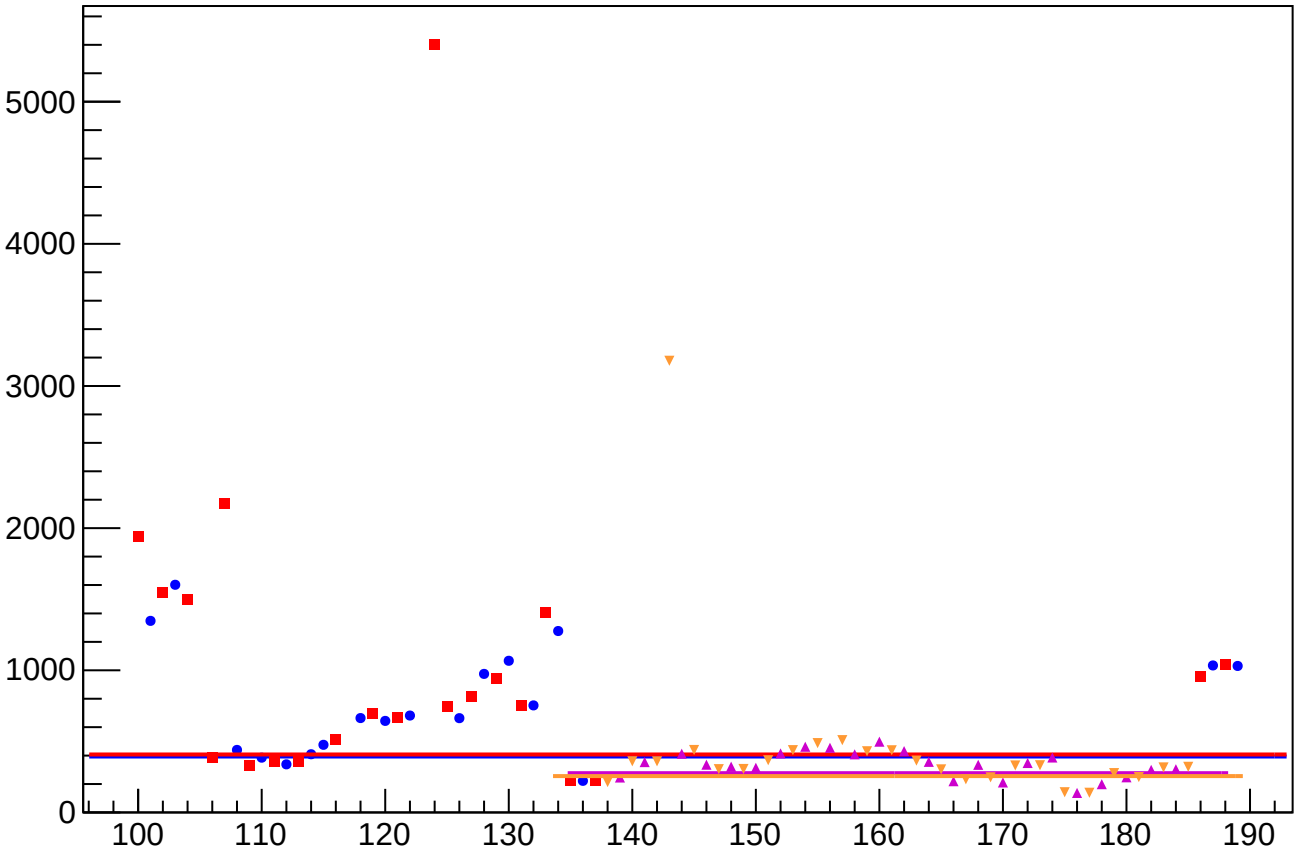
Right Out: -205.213+/-166.503 χ^2/NDF: 19.0/20

Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

+ sign -185.438+/-59.932 χ^2/NDF: 63.4/42

All: -157.997+/-43.623 χ^2/NDF: 101.3/86

- sign -127.077+/-63.618 χ^2/NDF: 37.5/43



Right In: 393.551+/-0.119 χ^2/NDF: 4866523.3/17

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 407.829+/-0.118 χ^2/NDF: 5574173.8/20

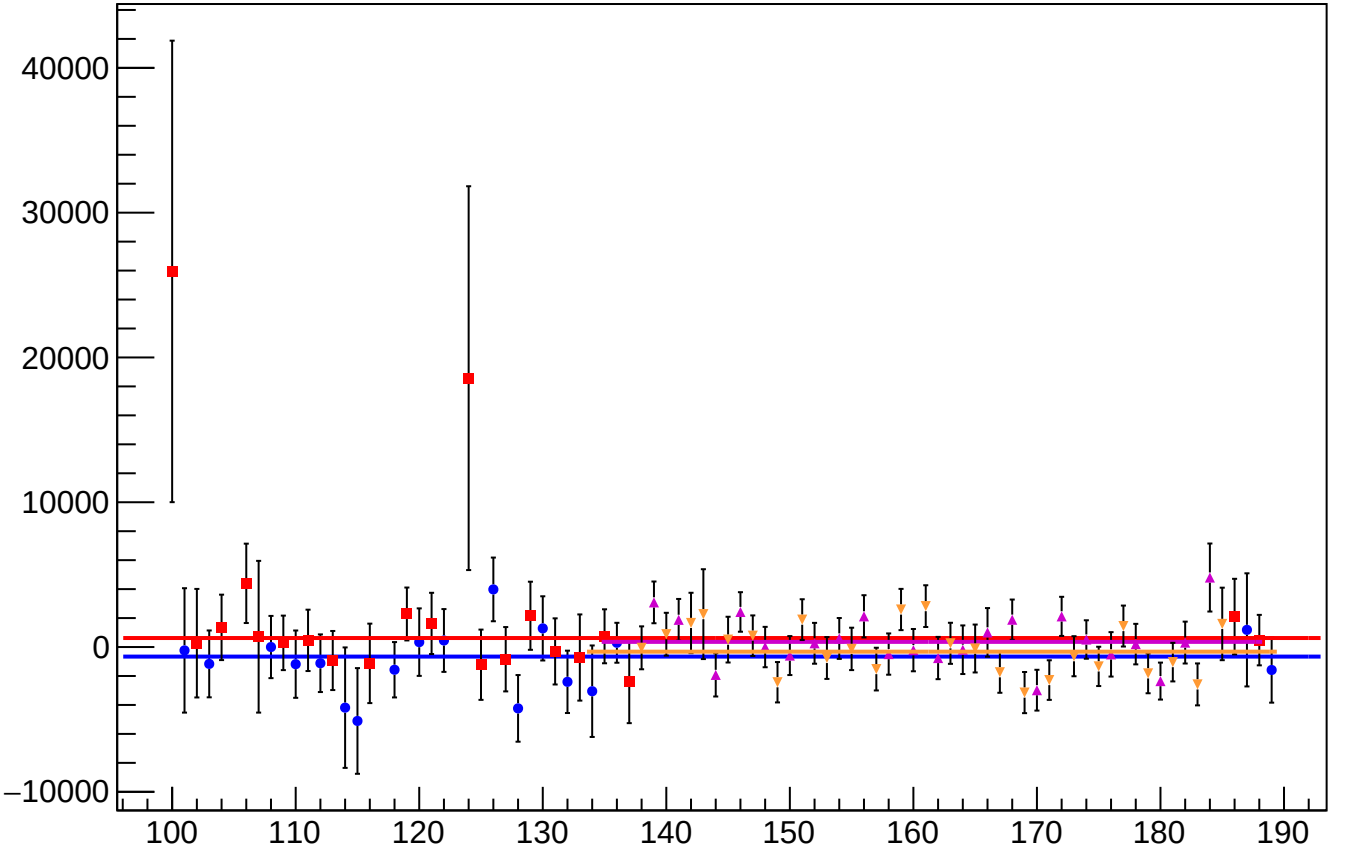
Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 273.227+/-0.042 χ^2/NDF: 12409944.6/42

All: 283.700+/-0.031 χ^2/NDF: 23207239.6/86

- sign 295.500+/-0.045 χ^2/NDF: 10667406.0/43

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -660.215+/-542.199 χ^2/NDF: 12.9/17

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: 622.044+/-527.838 χ^2/NDF: 11.7/20

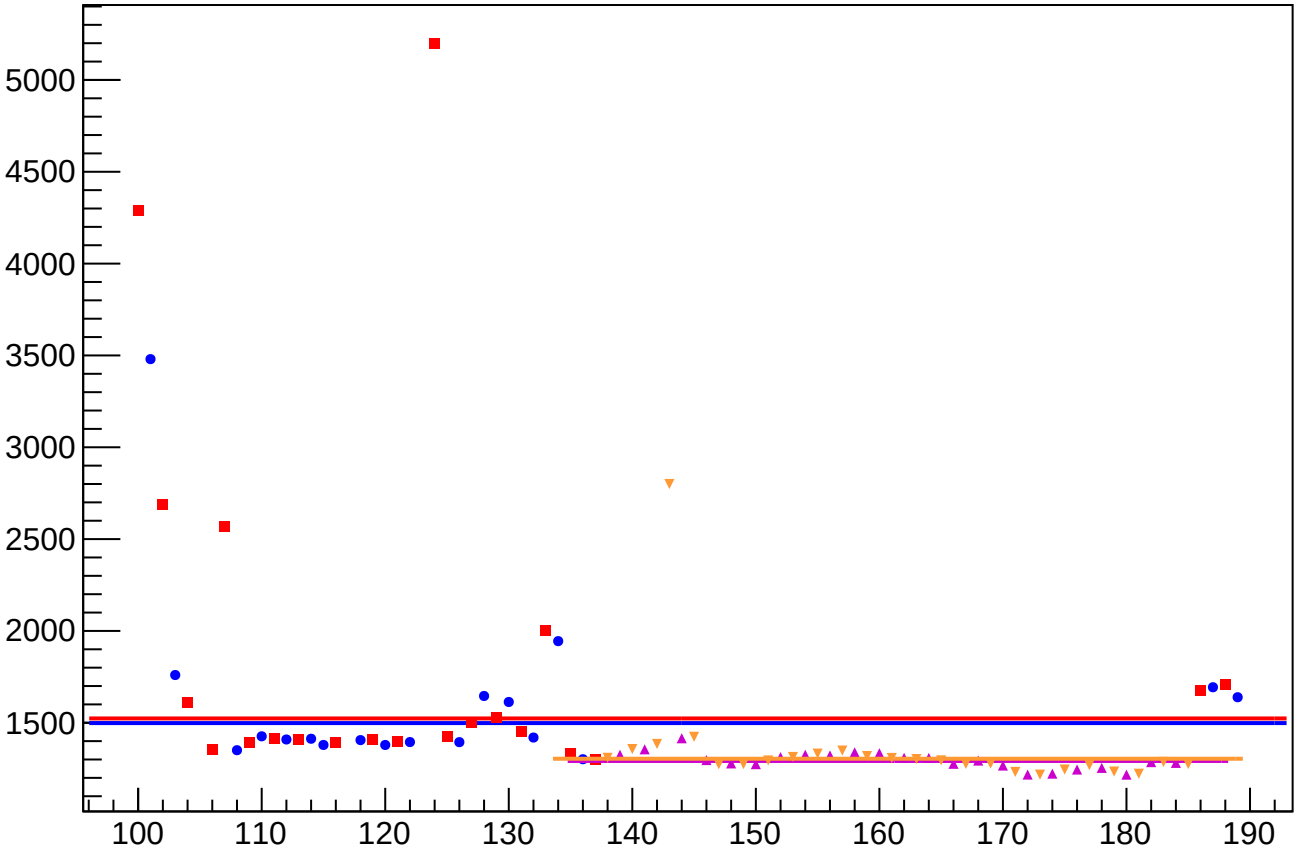
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

+ sign -398.842+/-261.337 χ^2/NDF: 44.7/42

All: 10.374+/-185.050 χ^2/NDF: 91.2/86

- sign 421.871+/-262.065 χ^2/NDF: 41.5/43

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1498.249+/-0.383 χ^2/NDF: 598283.9/17

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

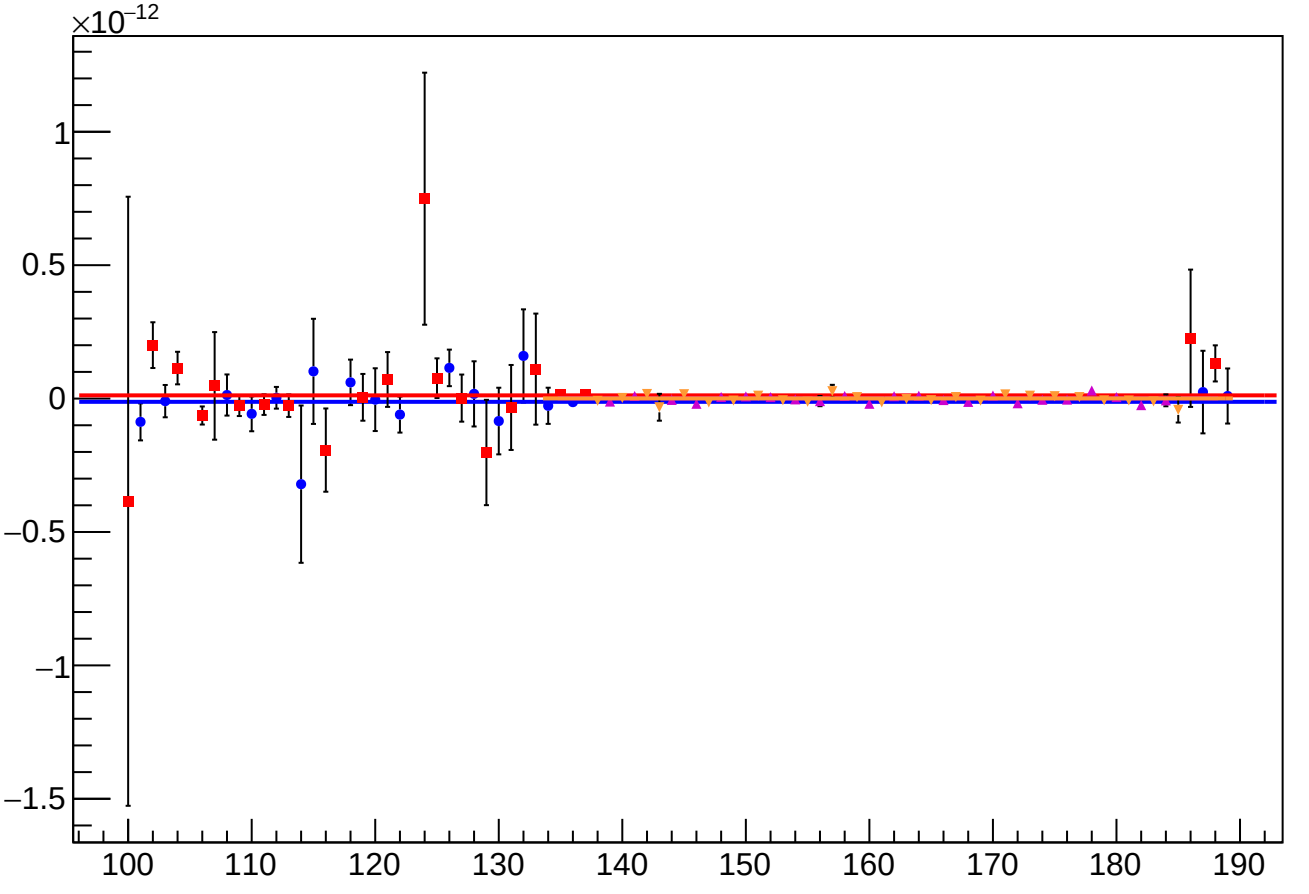
Right Out: 1523.482+/-0.373 χ^2/NDF: 656715.2/20

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1349.248+/-0.185 χ^2/NDF: 1314642.7/42

All: 1349.201+/-0.131 χ^2/NDF: 2309228.0/86

- sign 1349.153+/-0.185 χ^2/NDF: 994585.2/43



Right In: -0.000+/-0.000 χ^2/NDF: 9.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

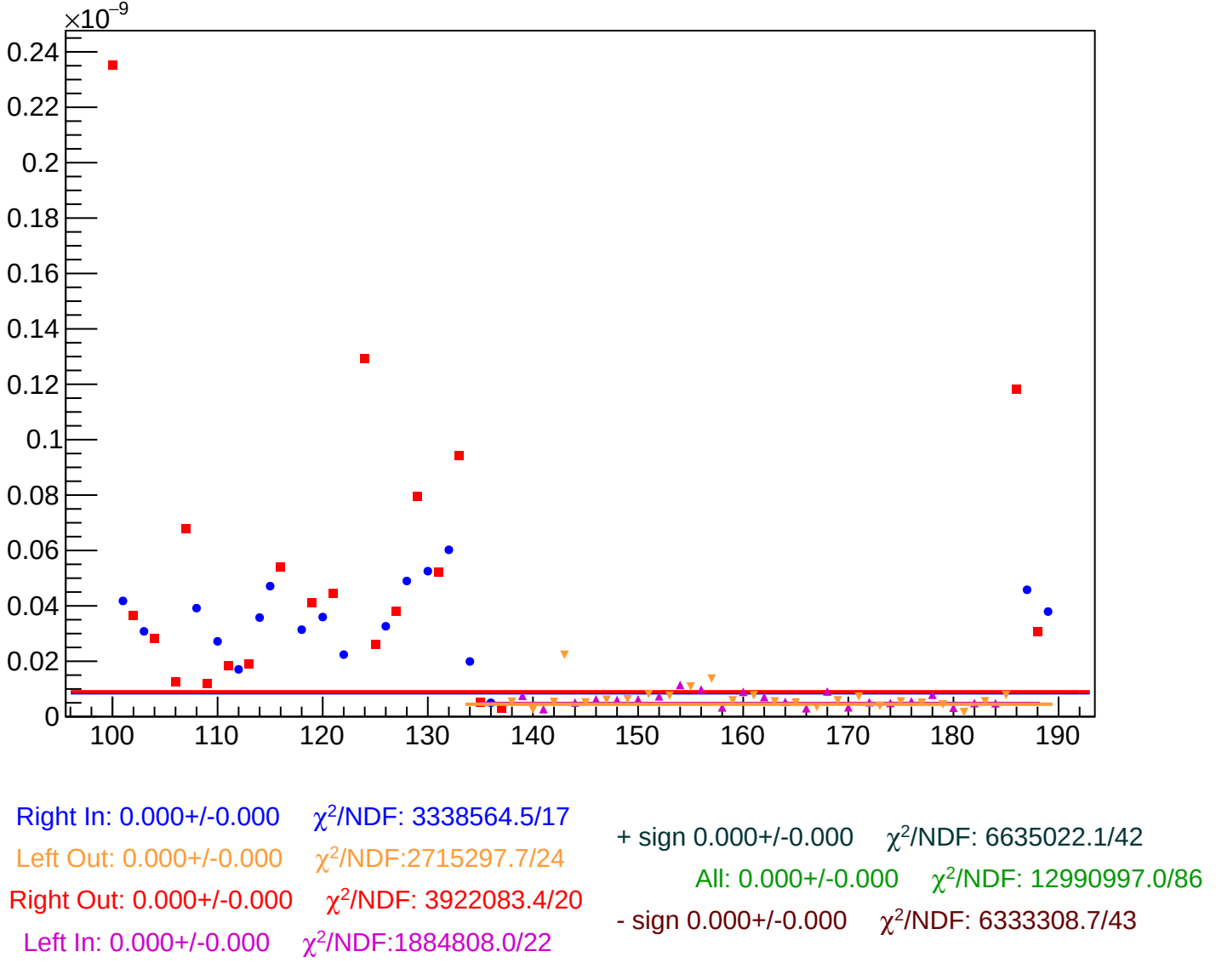
Right Out: 0.000+/-0.000 χ^2/NDF: 26.2/20

Left In: 0.000+/-0.000 χ^2/NDF:29.6/22

\+ sign -0.000+/-0.000 χ^2/NDF: 36.7/42

All: 0.000+/-0.000 χ^2/NDF: 94.7/86

\- sign 0.000+/-0.000 χ^2/NDF: 57.6/43


asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
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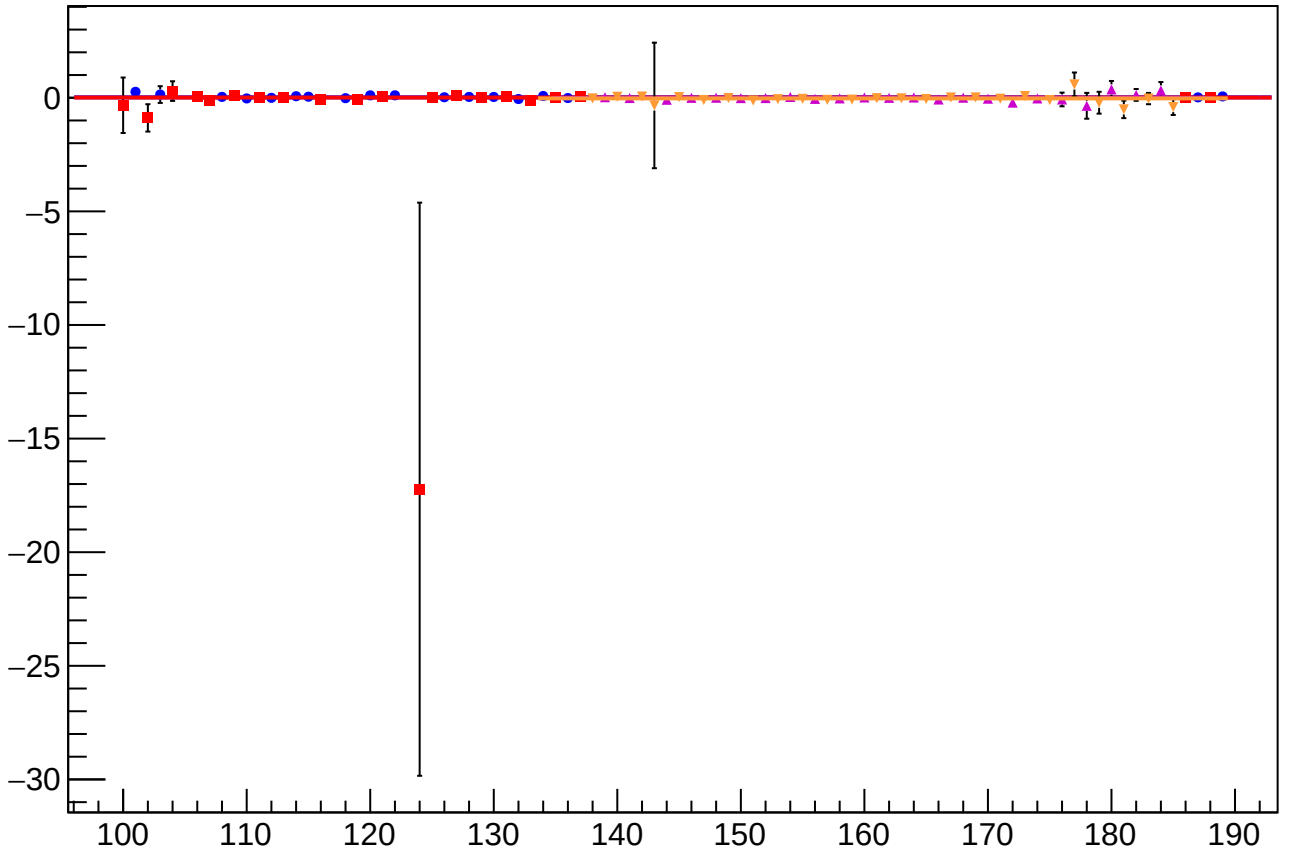
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3338564.5/17
Left Out: 0.000+/-0.000 χ²/NDF:2715297.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 3922083.4/20
Left In: 0.000+/-0.000 χ²/NDF:1884808.0/22
+ sign 0.000+/-0.000 χ²/NDF: 6635022.1/42
All: 0.000+/-0.000 χ²/NDF: 12990997.0/86
- sign 0.000+/-0.000 χ²/NDF: 6333308.7/43



Right In: 0.019+/-0.015 χ^2/NDF: 11.8/17

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.009+/-0.014 χ^2/NDF: 16.5/20

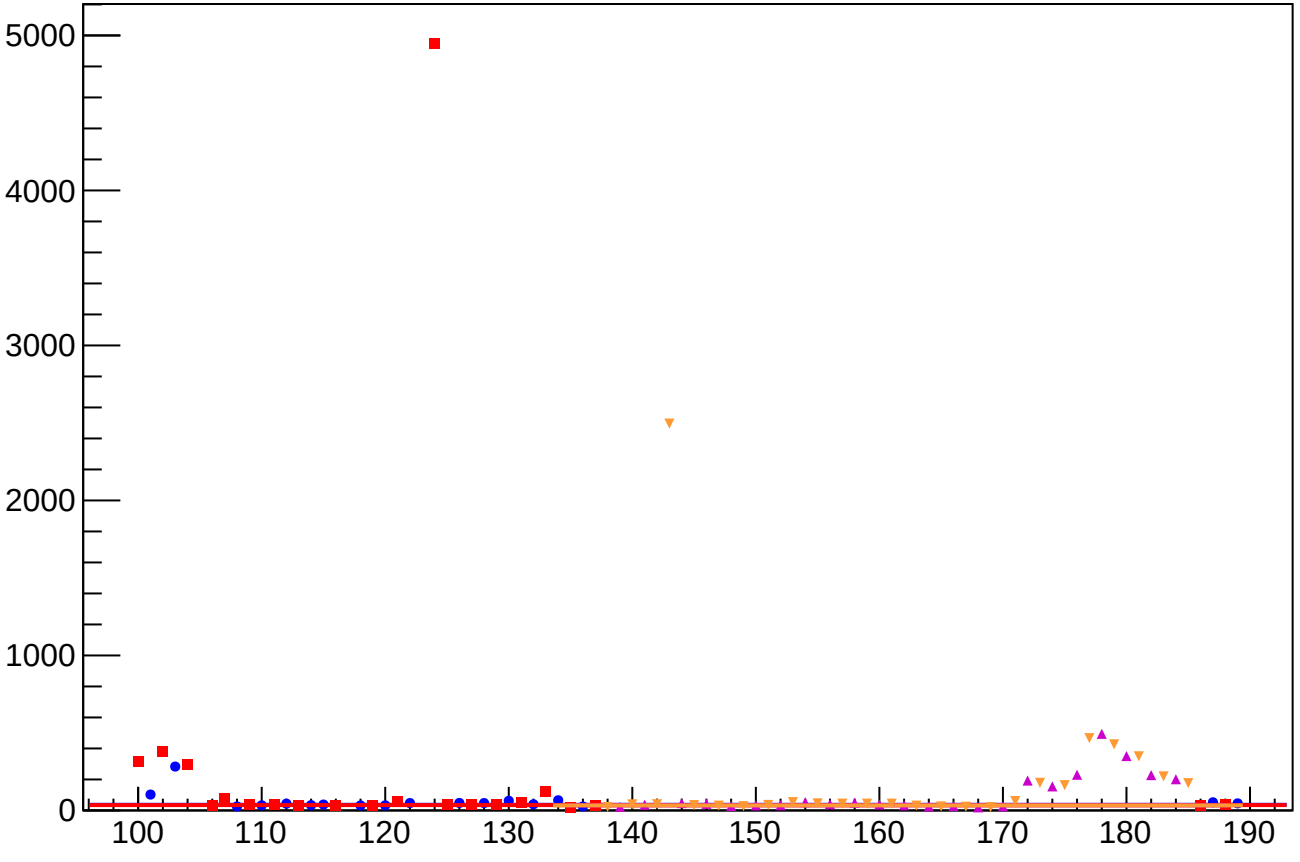
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.015+/-0.008 χ^2/NDF: 46.8/42

All: -0.009+/-0.006 χ^2/NDF: 78.6/86

- sign -0.005+/-0.008 χ^2/NDF: 31.1/43

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 36.439+/-0.011 χ^2/NDF: 2337273.5/17

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

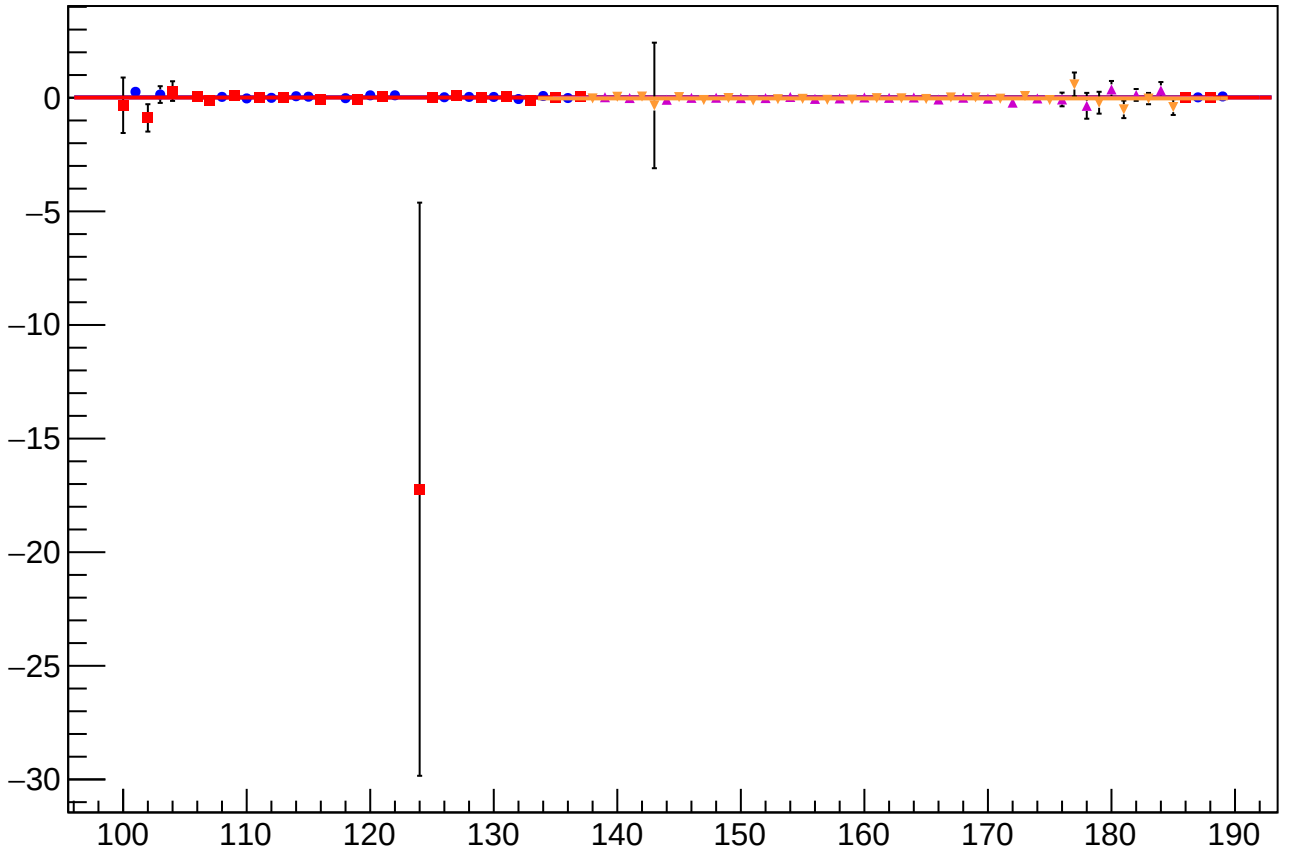
Right Out: 34.604+/-0.010 χ^2/NDF: 2943325.9/20

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 33.670+/-0.006 χ^2/NDF: 13305085.7/42

All: 33.492+/-0.004 χ^2/NDF: 25237686.8/86

- sign 33.322+/-0.006 χ^2/NDF: 11930688.7/43



Right In: 0.019+/-0.015 χ^2/NDF: 11.8/17

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

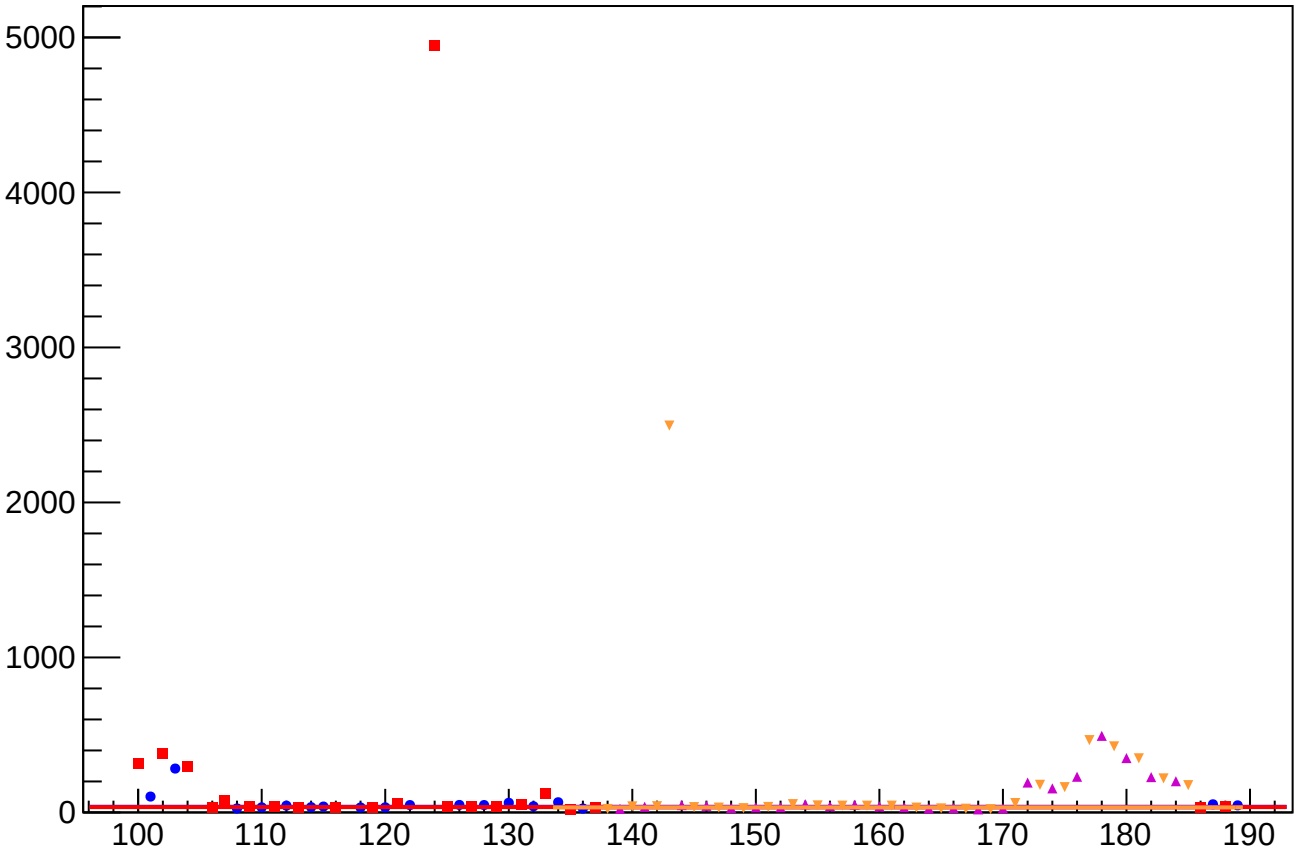
Right Out: 0.009+/-0.014 χ^2/NDF: 16.5/20

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.015+/-0.008 χ^2/NDF: 46.8/42

All: -0.009+/-0.006 χ^2/NDF: 78.6/86

- sign -0.005+/-0.008 χ^2/NDF: 31.1/43



Right In: 36.439+/-0.011 χ^2/NDF: 2337273.5/17

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 34.604+/-0.010 χ^2/NDF: 2943325.9/20

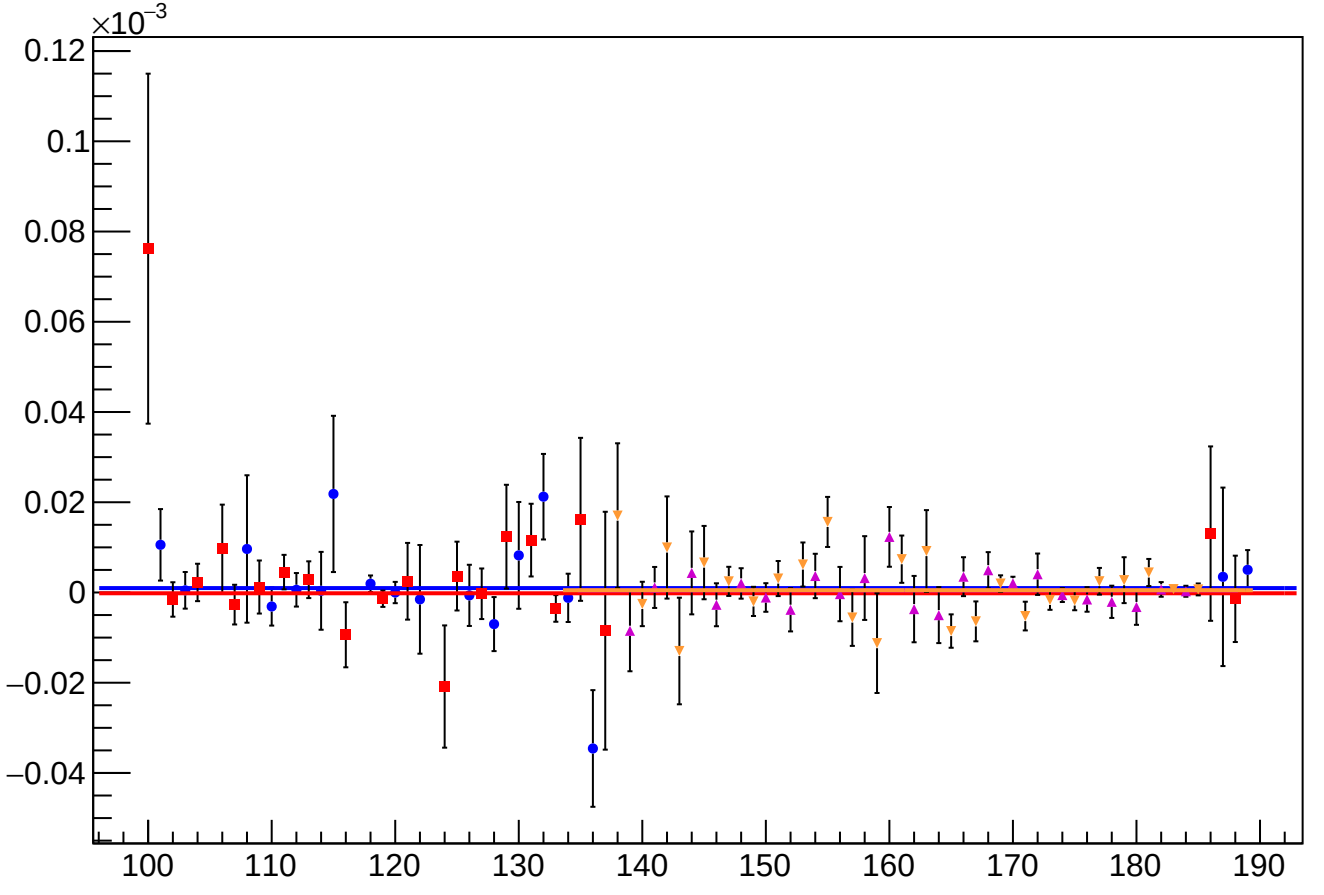
Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 33.670+/-0.006 χ^2/NDF: 13305085.7/42

All: 33.492+/-0.004 χ^2/NDF: 25237686.8/86

- sign 33.322+/-0.006 χ^2/NDF: 11930688.7/43

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

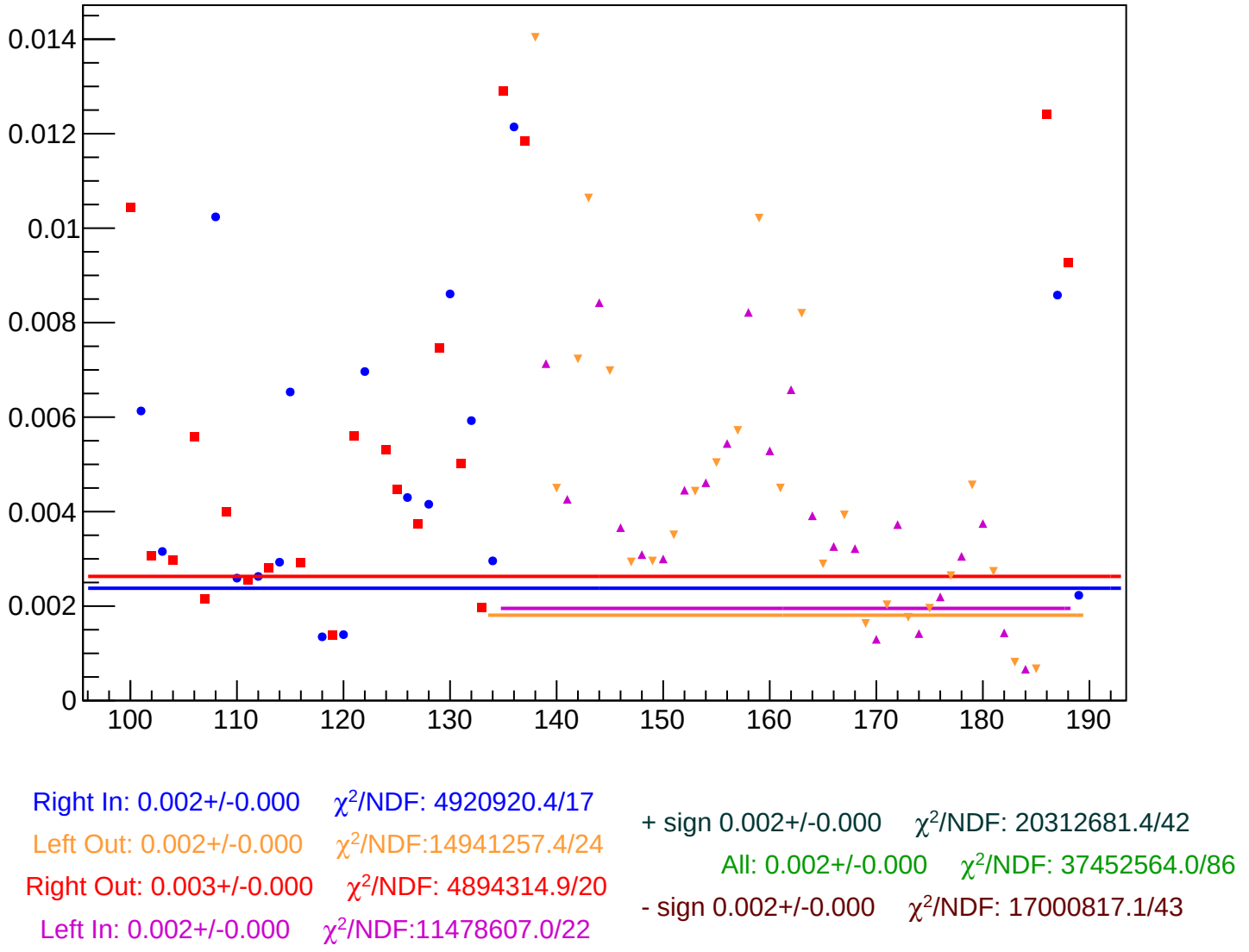
Right Out: -0.000+/-0.000 χ^2/NDF: 18.6/20

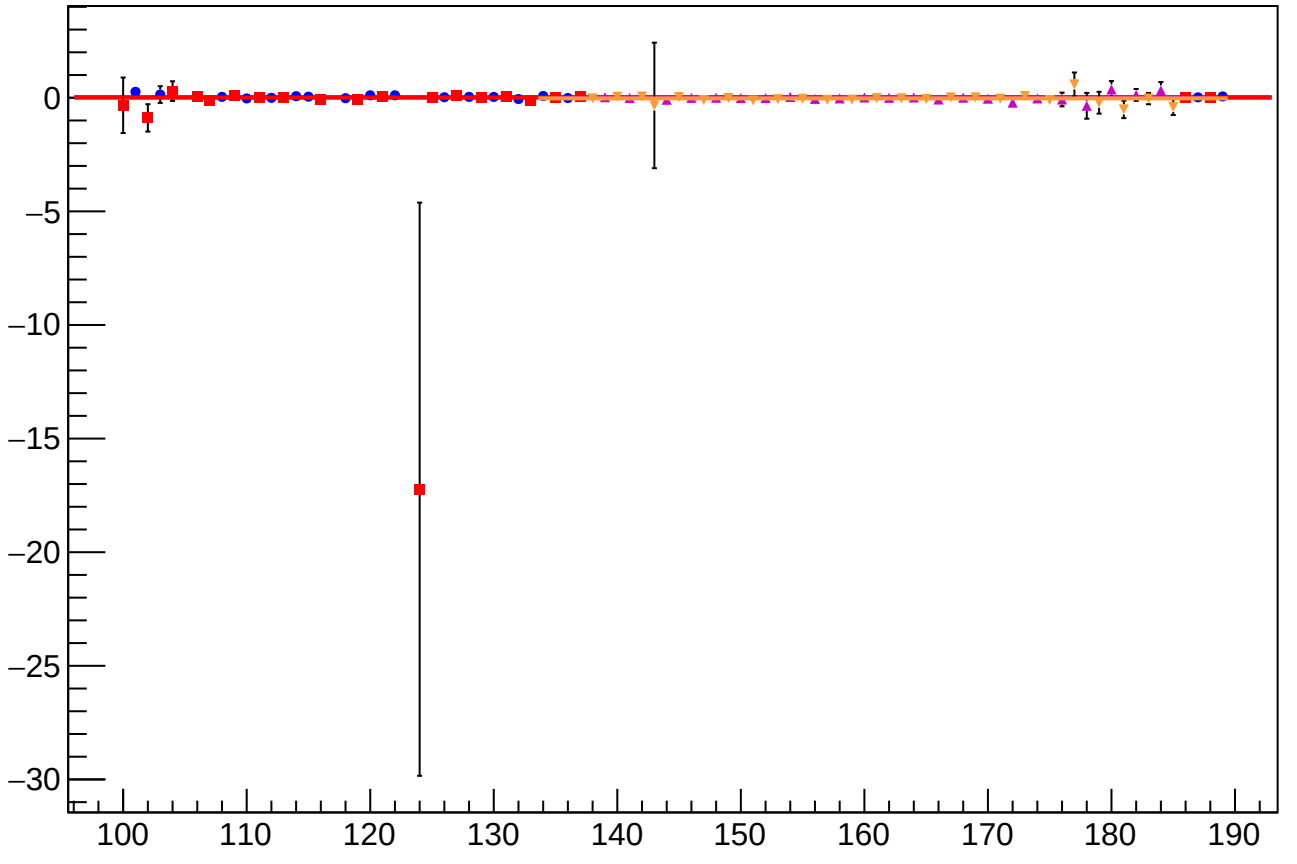
Left In: 0.000+/-0.000 χ^2/NDF:13.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 55.9/42

All: 0.000+/-0.000 χ^2/NDF: 88.6/86

- sign 0.000+/-0.000 χ^2/NDF: 32.5/43


asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.002+/-0.000 χ²/NDF: 4920920.4/17
Left Out: 0.002+/-0.000 χ²/NDF:14941257.4/24
Right Out: 0.003+/-0.000 χ²/NDF: 4894314.9/20
Left In: 0.002+/-0.000 χ²/NDF:11478607.0/22
+ sign 0.002+/-0.000 χ²/NDF: 20312681.4/42
All: 0.002+/-0.000 χ²/NDF: 37452564.0/86
- sign 0.002+/-0.000 χ²/NDF: 17000817.1/43



Right In: 0.018+/-0.015 χ^2/NDF: 11.8/17

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

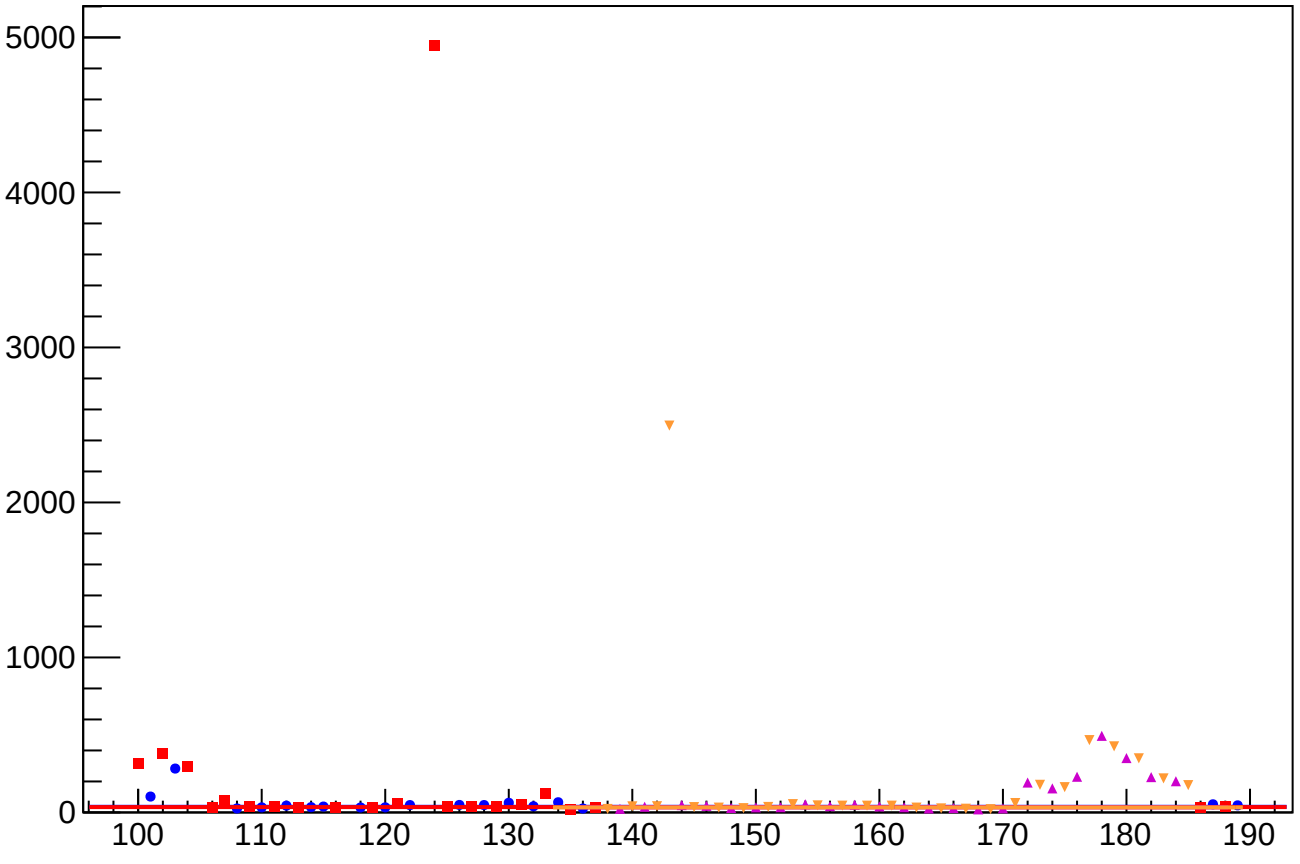
Right Out: 0.009+/-0.014 χ^2/NDF: 16.5/20

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.015+/-0.008 χ^2/NDF: 46.8/42

All: -0.009+/-0.006 χ^2/NDF: 78.6/86

- sign -0.005+/-0.008 χ^2/NDF: 31.1/43



Right In: 36.441+/-0.011 χ^2/NDF: 2336973.1/17

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

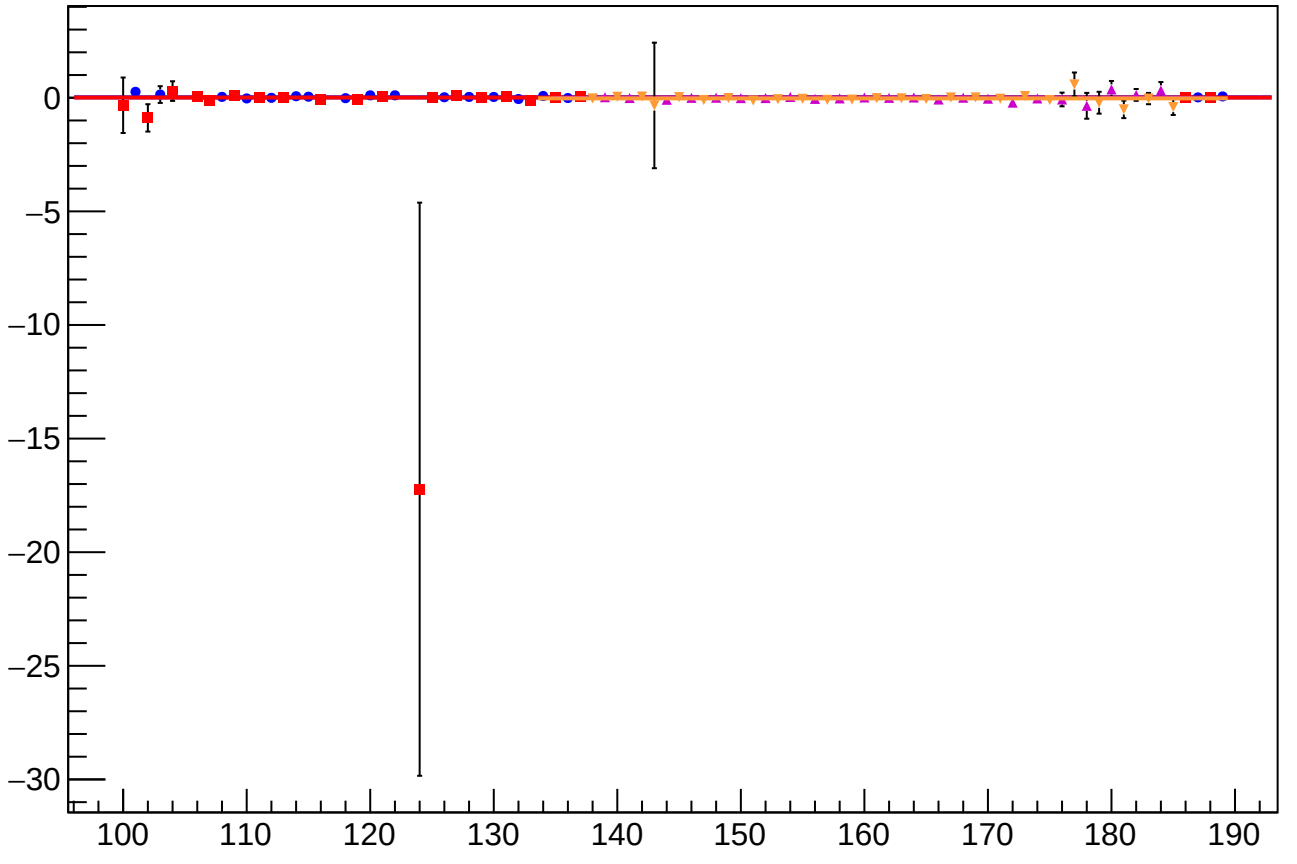
Right Out: 34.604+/-0.010 χ^2/NDF: 2943146.3/20

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 33.670+/-0.006 χ^2/NDF: 13305123.2/42

All: 33.492+/-0.004 χ^2/NDF: 25238231.7/86

- sign 33.321+/-0.006 χ^2/NDF: 11931184.4/43



Right In: 0.018+/-0.015 χ^2/NDF: 11.8/17

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

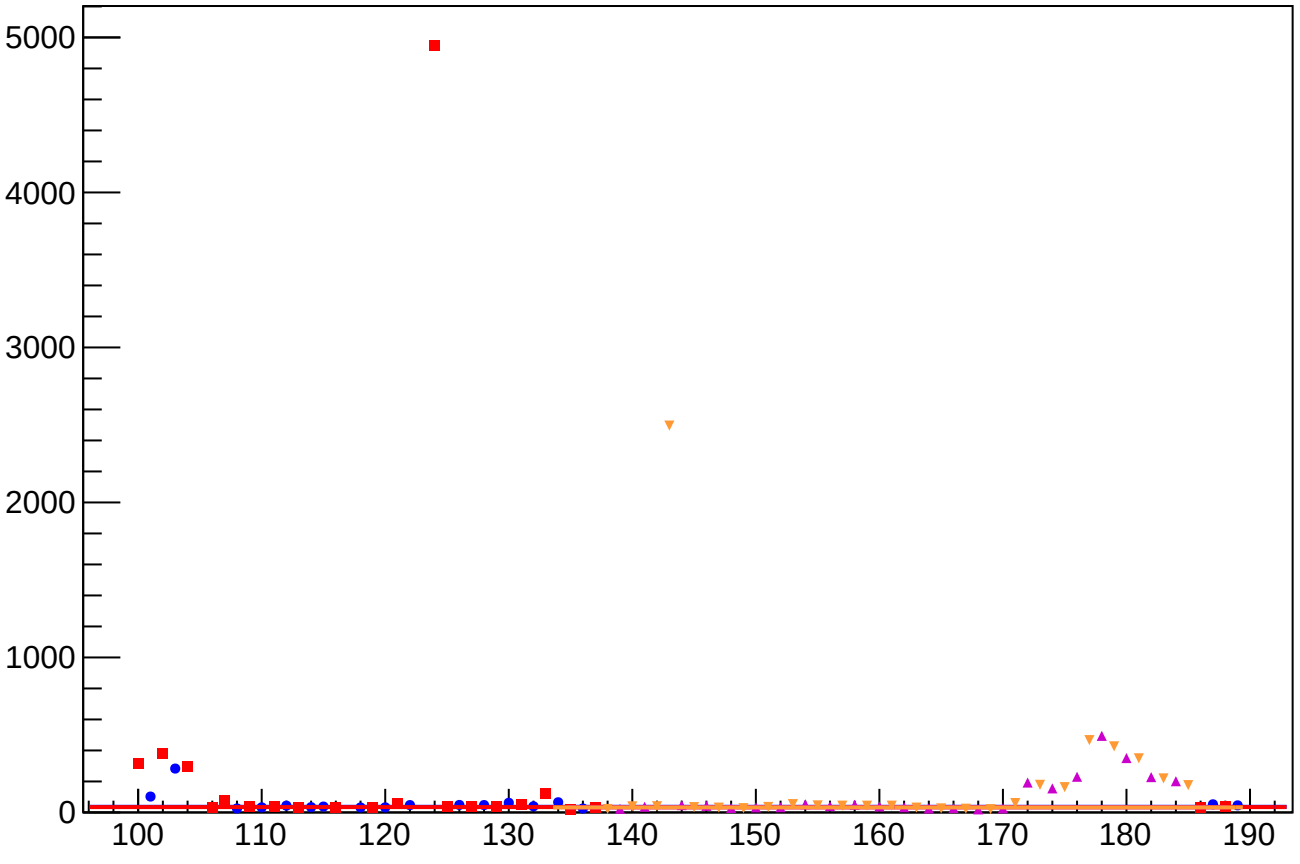
Right Out: 0.009+/-0.014 χ^2/NDF: 16.5/20

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.015+/-0.008 χ^2/NDF: 46.8/42

All: -0.009+/-0.006 χ^2/NDF: 78.6/86

- sign -0.005+/-0.008 χ^2/NDF: 31.1/43



Right In: 36.441+/-0.011 χ^2/NDF: 2336973.1/17

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

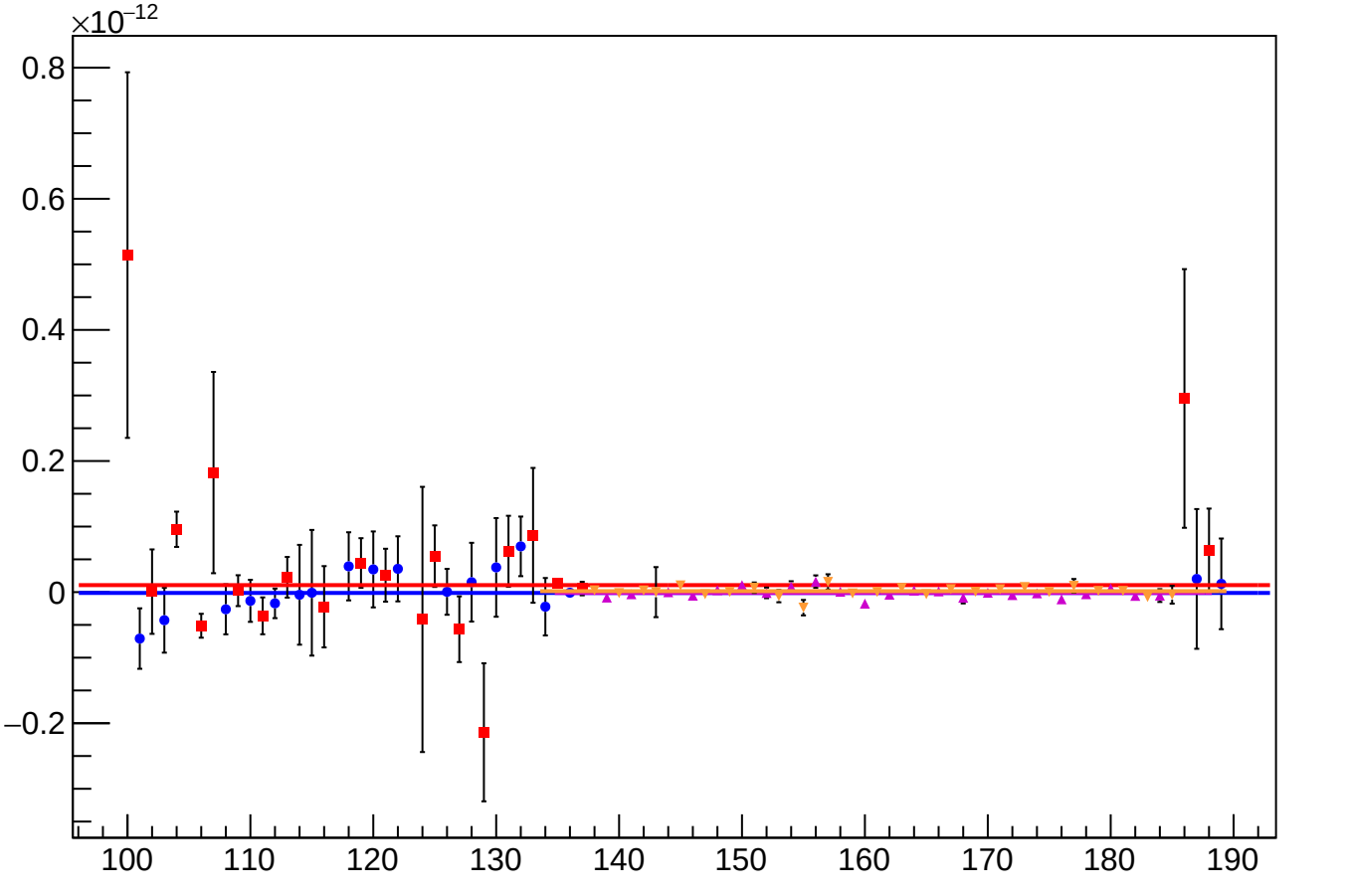
Right Out: 34.604+/-0.010 χ^2/NDF: 2943146.3/20

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 33.670+/-0.006 χ^2/NDF: 13305123.2/42

All: 33.492+/-0.004 χ^2/NDF: 25238231.7/86

- sign 33.321+/-0.006 χ^2/NDF: 11931184.4/43



Right In: -0.000+/-0.000 χ^2/NDF: 8.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

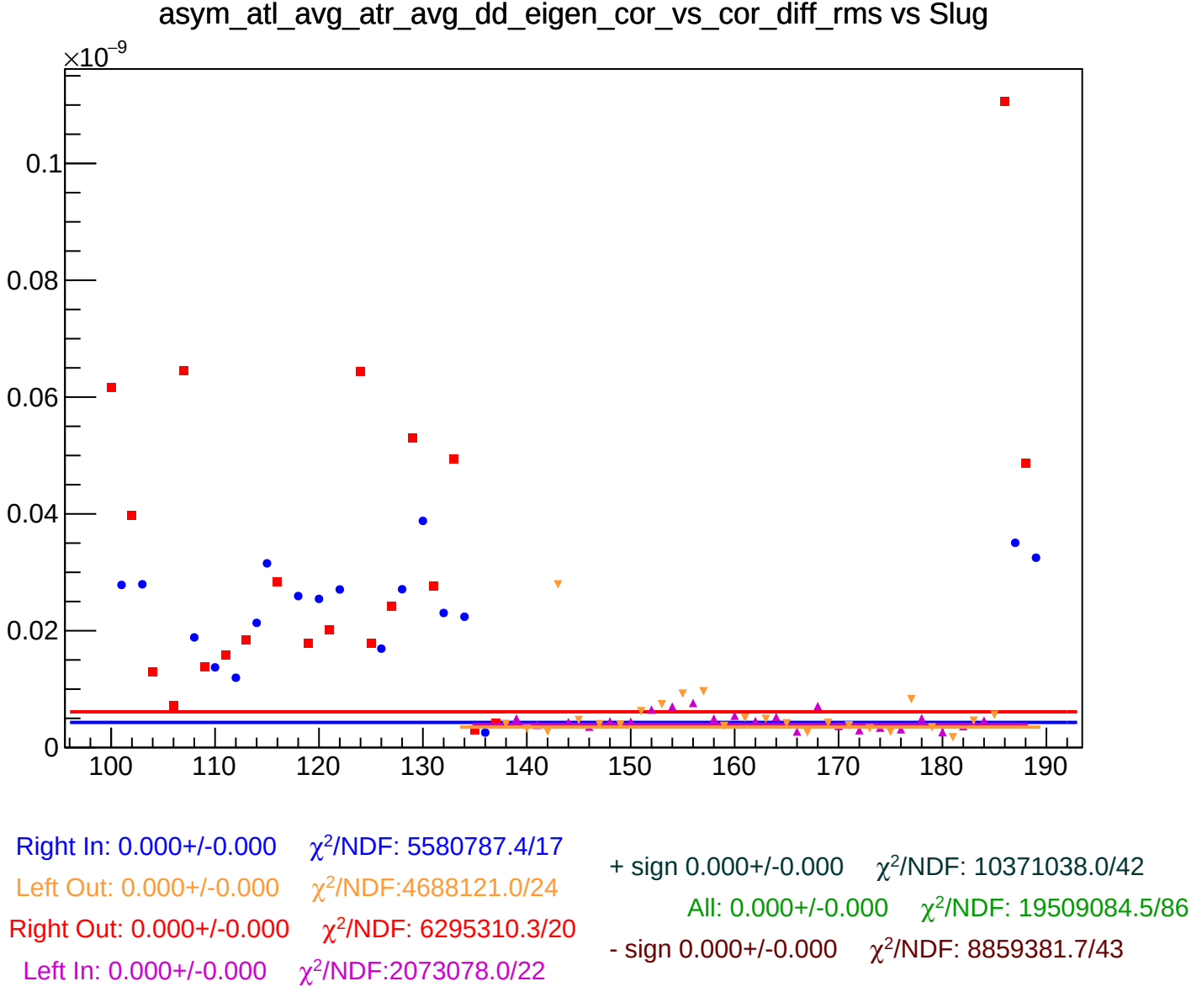
Right Out: 0.000+/-0.000 χ^2/NDF: 42.6/20

Left In: -0.000+/-0.000 χ^2/NDF:28.7/22

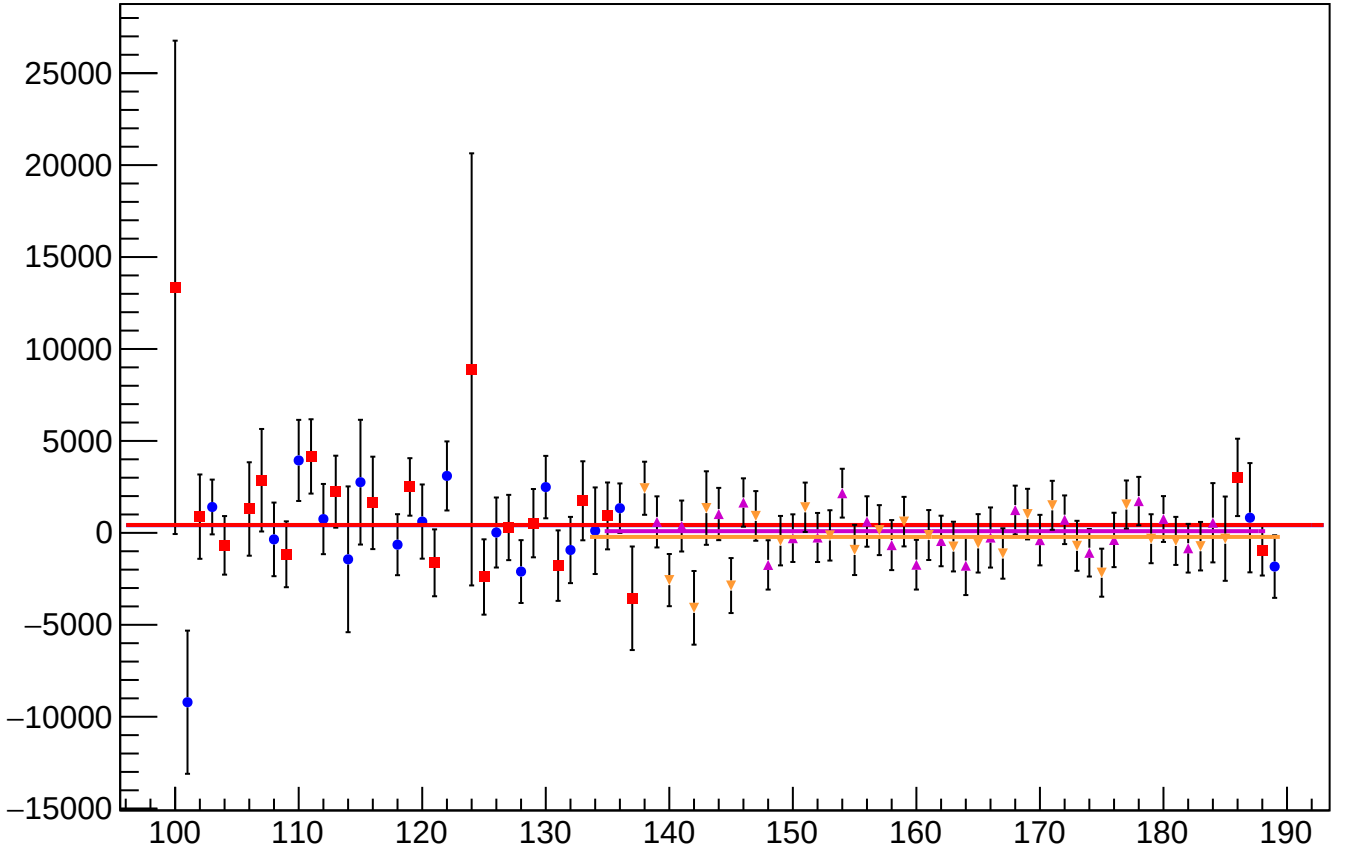
+ sign 0.000+/-0.000 χ^2/NDF: 27.4/42

All: 0.000+/-0.000 χ^2/NDF: 107.4/86

- sign -0.000+/-0.000 χ^2/NDF: 78.9/43


asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 5580787.4/17
Left Out: 0.000+/-0.000 χ²/NDF:4688121.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 6295310.3/20
Left In: 0.000+/-0.000 χ²/NDF:2073078.0/22
+ sign 0.000+/-0.000 χ²/NDF: 10371038.0/42
All: 0.000+/-0.000 χ²/NDF: 19509084.5/86
- sign 0.000+/-0.000 χ²/NDF: 8859381.7/43

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 416.942+/-458.583 χ^2/NDF: 19.0/17

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: 430.074+/-442.880 χ^2/NDF: 19.4/20

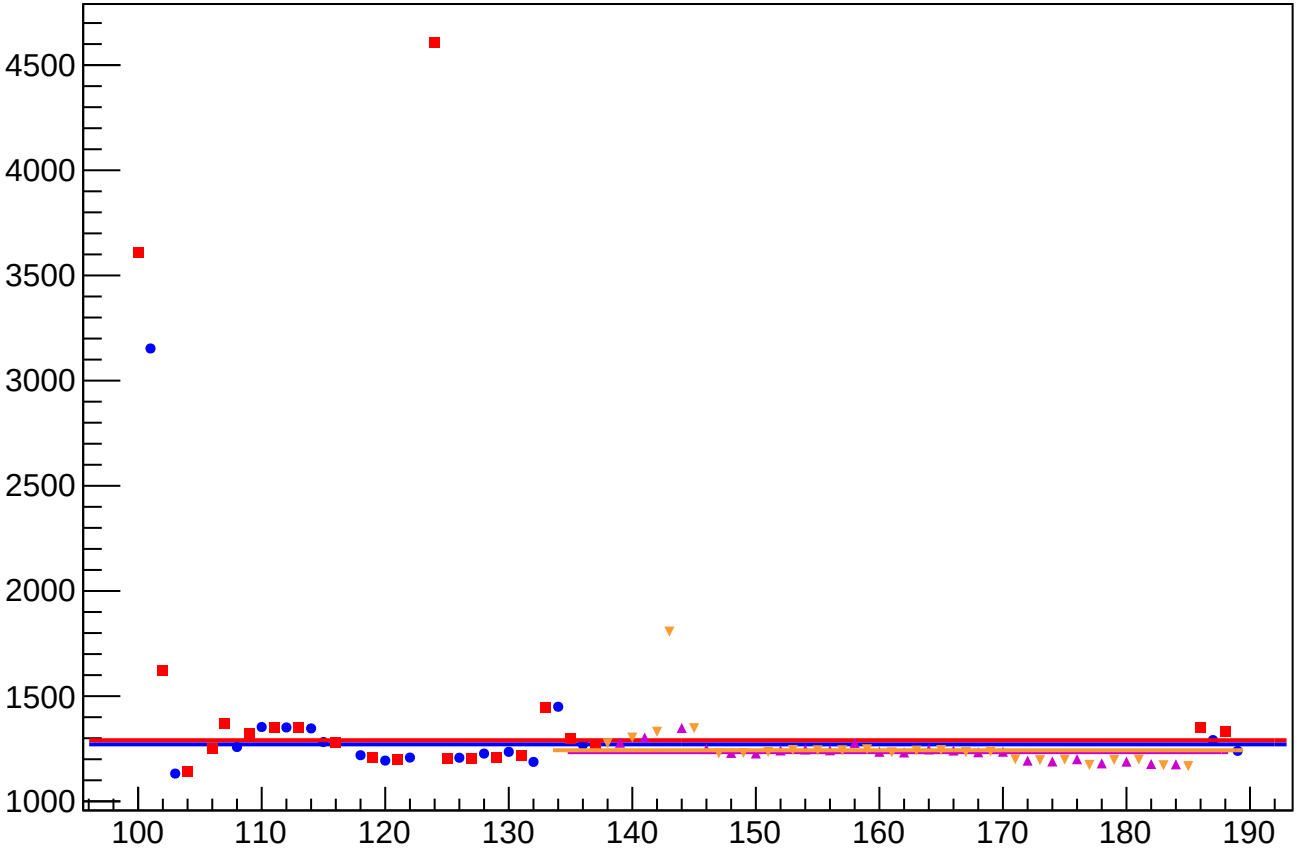
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

+ sign -44.804+/-240.866 χ^2/NDF: 44.3/42

All: 73.684+/-170.566 χ^2/NDF: 79.3/86

- sign 192.863+/-241.568 χ^2/NDF: 34.5/43

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1270.843+/-0.324 χ^2/NDF: 520091.4/17

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

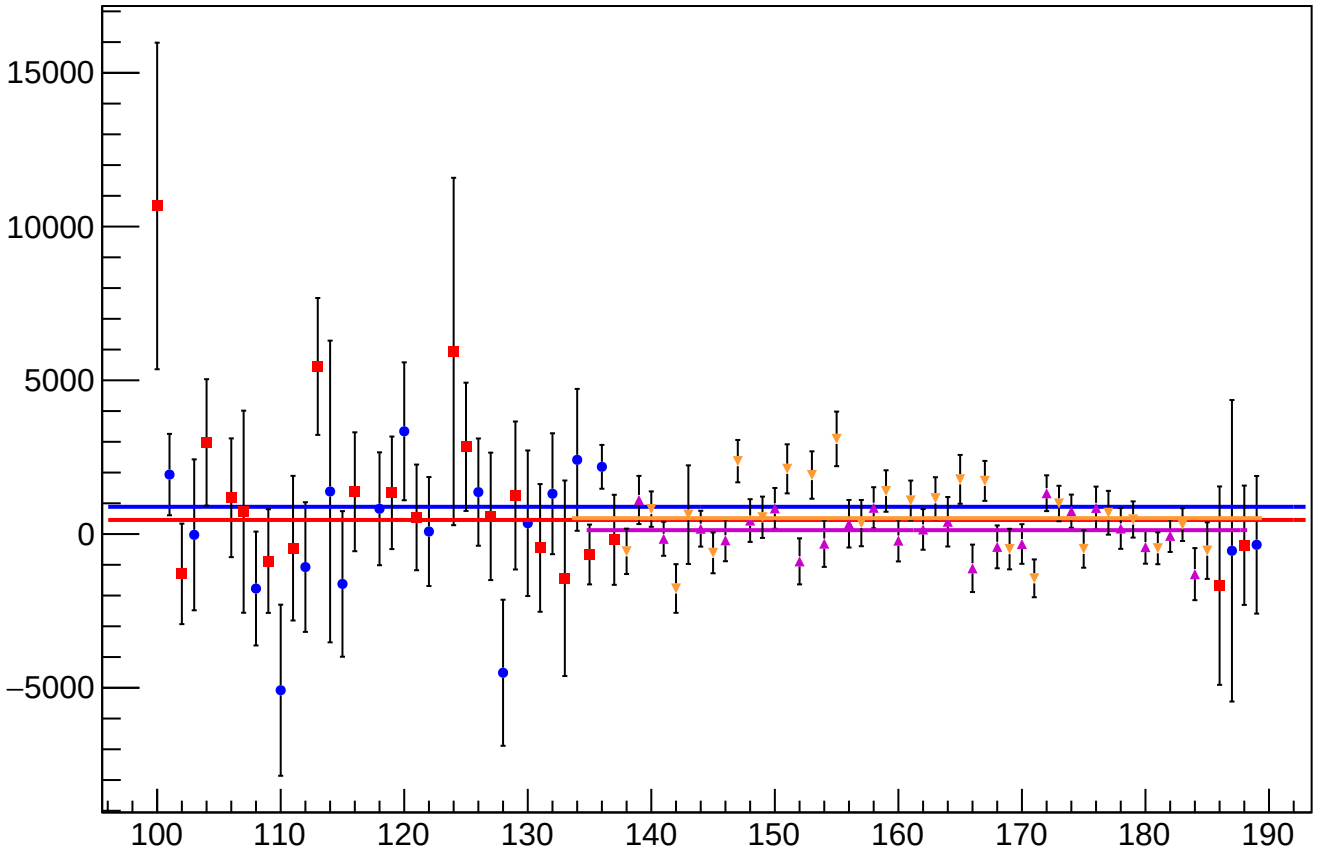
Right Out: 1290.531+/-0.313 χ^2/NDF: 326092.8/20

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1250.554+/-0.170 χ^2/NDF: 728796.8/42

All: 1250.600+/-0.121 χ^2/NDF: 1117264.1/86

- sign 1250.645+/-0.171 χ^2/NDF: 388467.2/43



Right In: 886.254+/-416.818 χ^2/NDF: 20.3/17

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

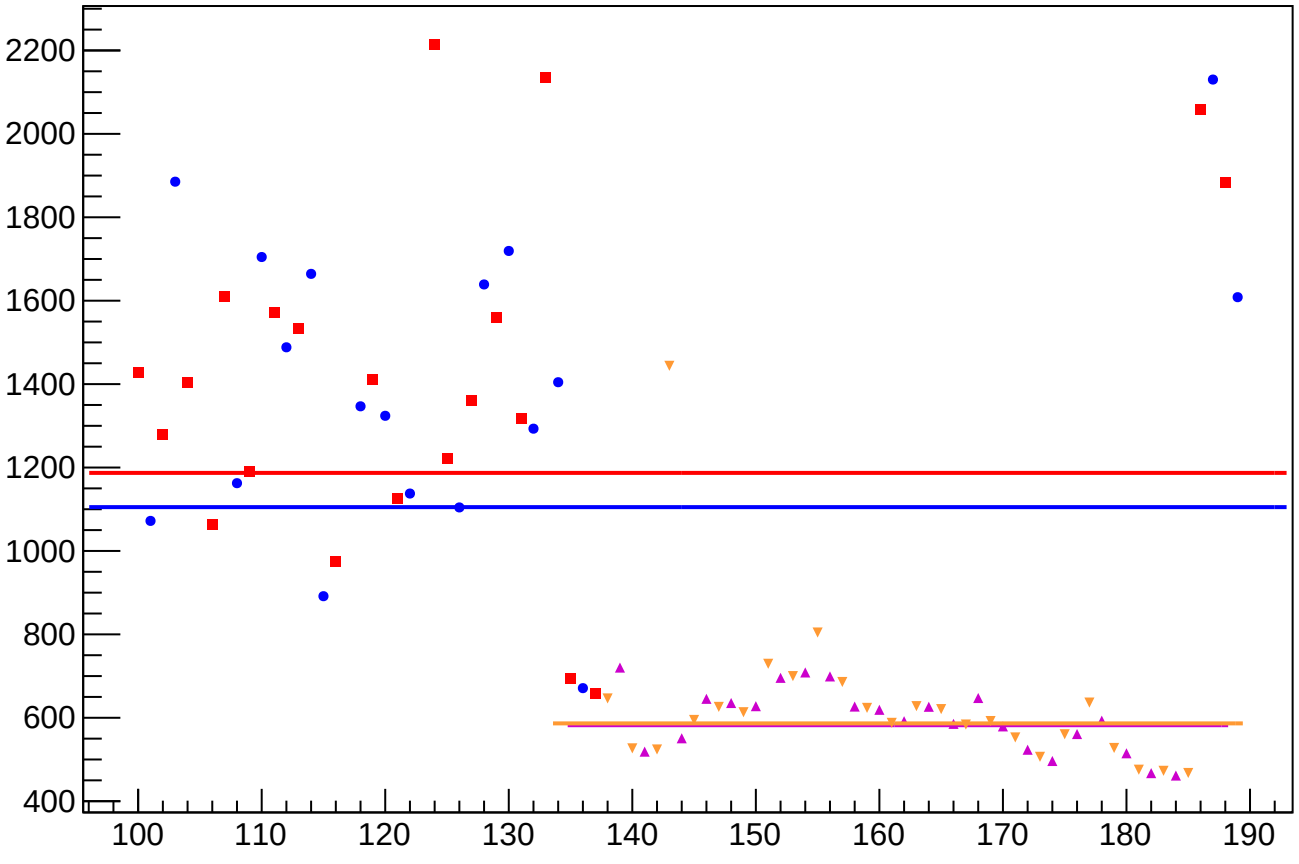
Right Out: 458.611+/-425.275 χ^2/NDF: 17.8/20

Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

+ sign 552.220+/-129.074 χ^2/NDF: 88.0/42

All: 357.423+/-91.814 χ^2/NDF: 132.6/86

- sign 157.898+/-130.630 χ^2/NDF: 39.9/43



Right In: 1105.073+/-0.295 χ^2/NDF: 1678242.2/17

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1187.148+/-0.301 χ^2/NDF: 1724492.9/20

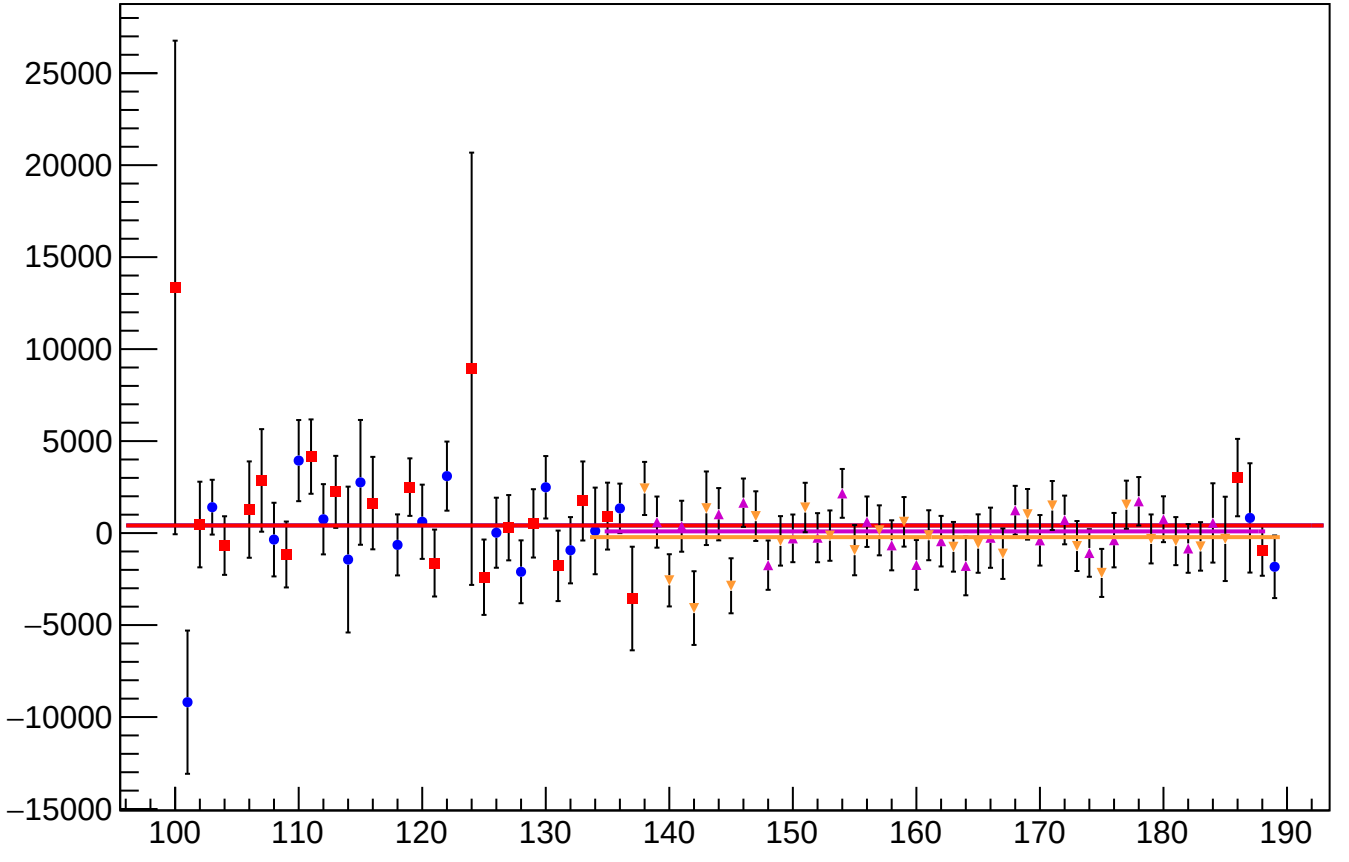
Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 636.279+/-0.091 χ^2/NDF: 5679367.4/42

All: 637.756+/-0.065 χ^2/NDF: 11628866.1/86

- sign 639.269+/-0.092 χ^2/NDF: 5948968.4/43

cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 417.223+/-458.583 χ^2/NDF: 18.9/17

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 412.448+/-443.519 χ^2/NDF: 19.4/20

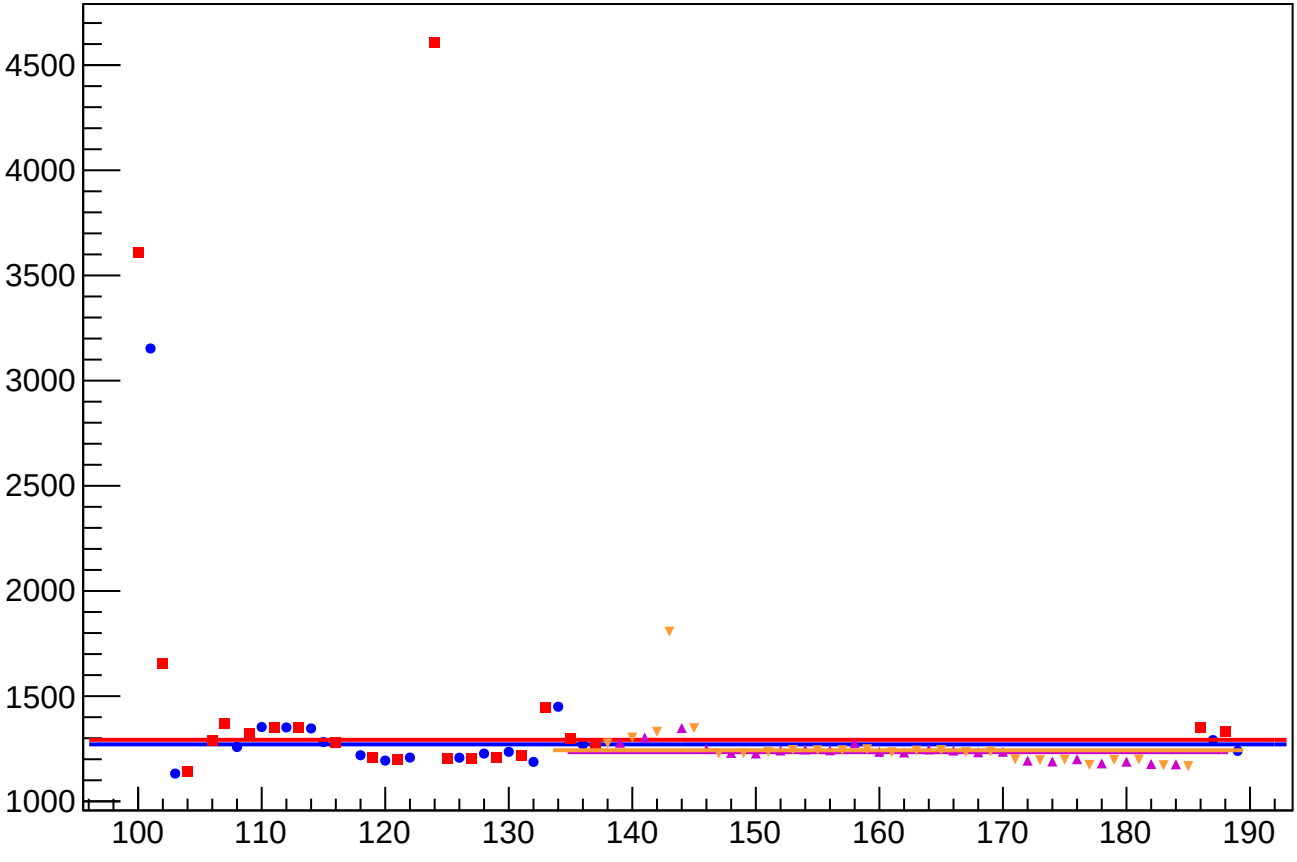
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -44.752+/-240.866 χ^2/NDF: 44.3/42

All: 70.975+/-170.602 χ^2/NDF: 79.1/86

- sign 187.476+/-241.671 χ^2/NDF: 34.4/43

cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1270.843+/-0.324 χ^2/NDF: 520092.8/17

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

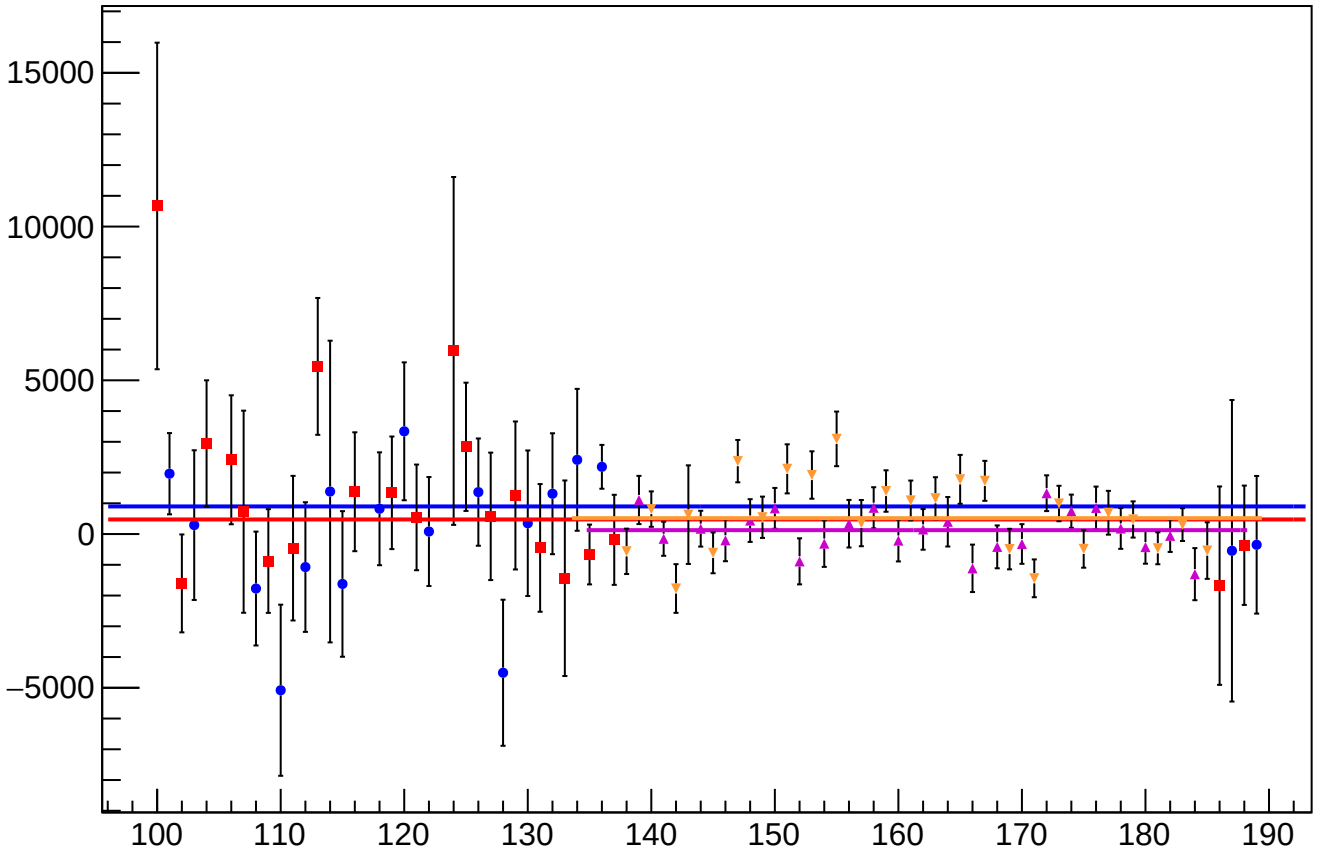
Right Out: 1292.498+/-0.314 χ^2/NDF: 332430.3/20

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1250.554+/-0.170 χ^2/NDF: 728798.1/42

All: 1250.874+/-0.121 χ^2/NDF: 1125187.6/86

- sign 1251.195+/-0.171 χ^2/NDF: 396382.5/43



Right In: 898.158+/-416.653 χ^2/NDF: 20.3/17

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

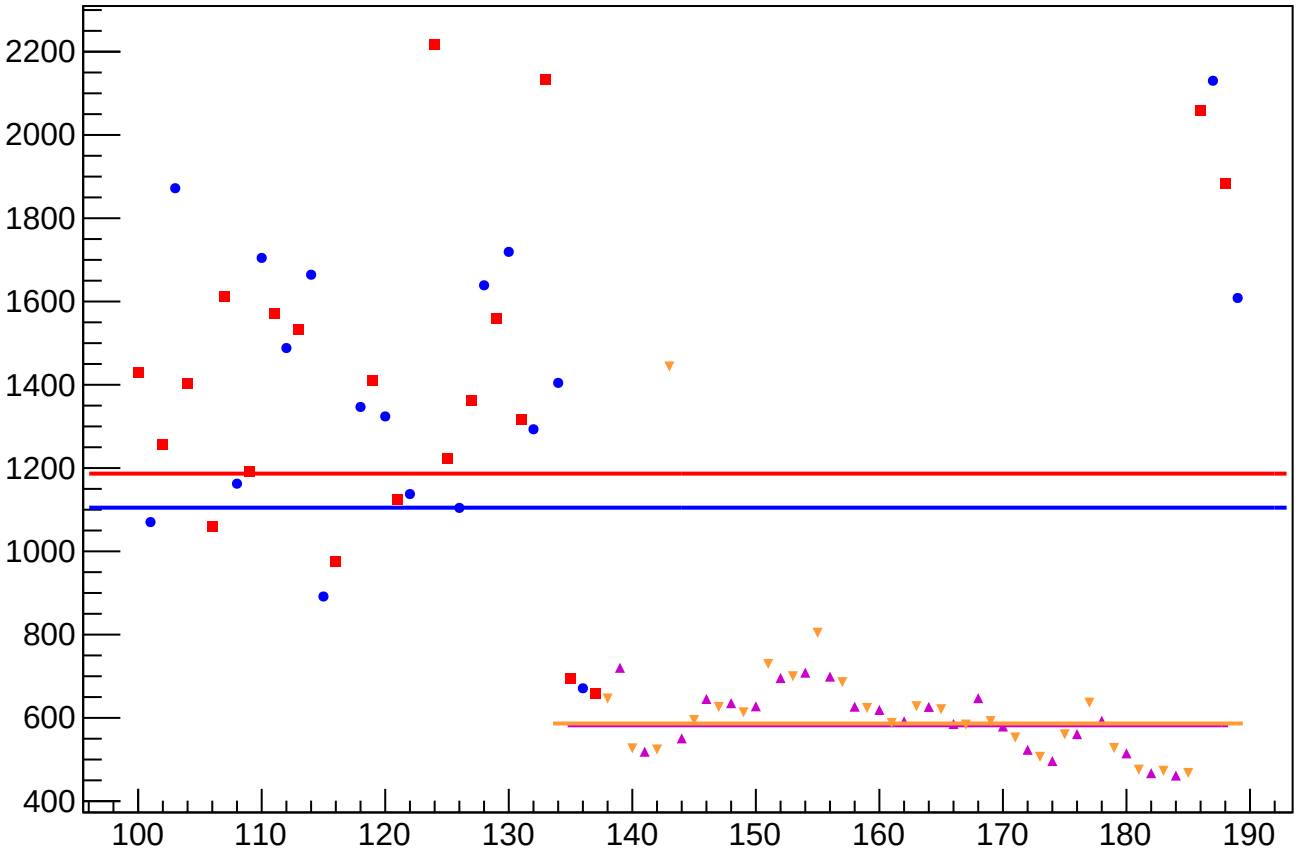
Right Out: 474.485+/-426.046 χ^2/NDF: 19.0/20

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

\+ sign 553.406+/-129.069 χ^2/NDF: 88.1/42

All: 358.740+/-91.820 χ^2/NDF: 133.9/86

\- sign 159.270+/-130.652 χ^2/NDF: 41.2/43



Right In: 1104.872+/-0.295 χ^2/NDF: 1674845.3/17

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1186.652+/-0.301 χ^2/NDF: 1720986.2/20

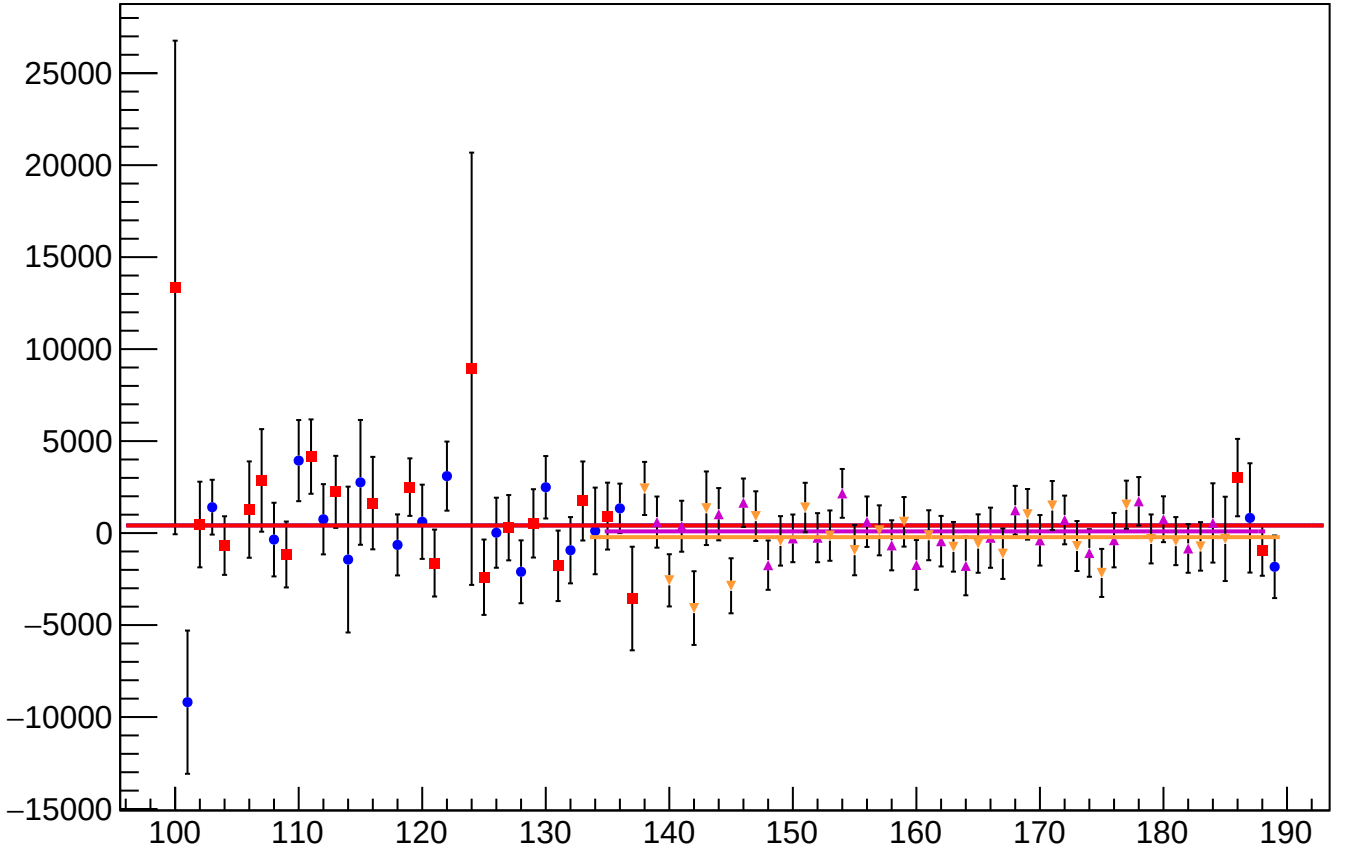
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 636.300+/-0.091 χ^2/NDF: 5675667.6/42

All: 637.650+/-0.065 χ^2/NDF: 11603601.0/86

- sign 639.033+/-0.092 χ^2/NDF: 5927490.4/43

eigen_cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 417.223+/-458.583 χ^2/NDF: 18.9/17

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 412.448+/-443.519 χ^2/NDF: 19.4/20

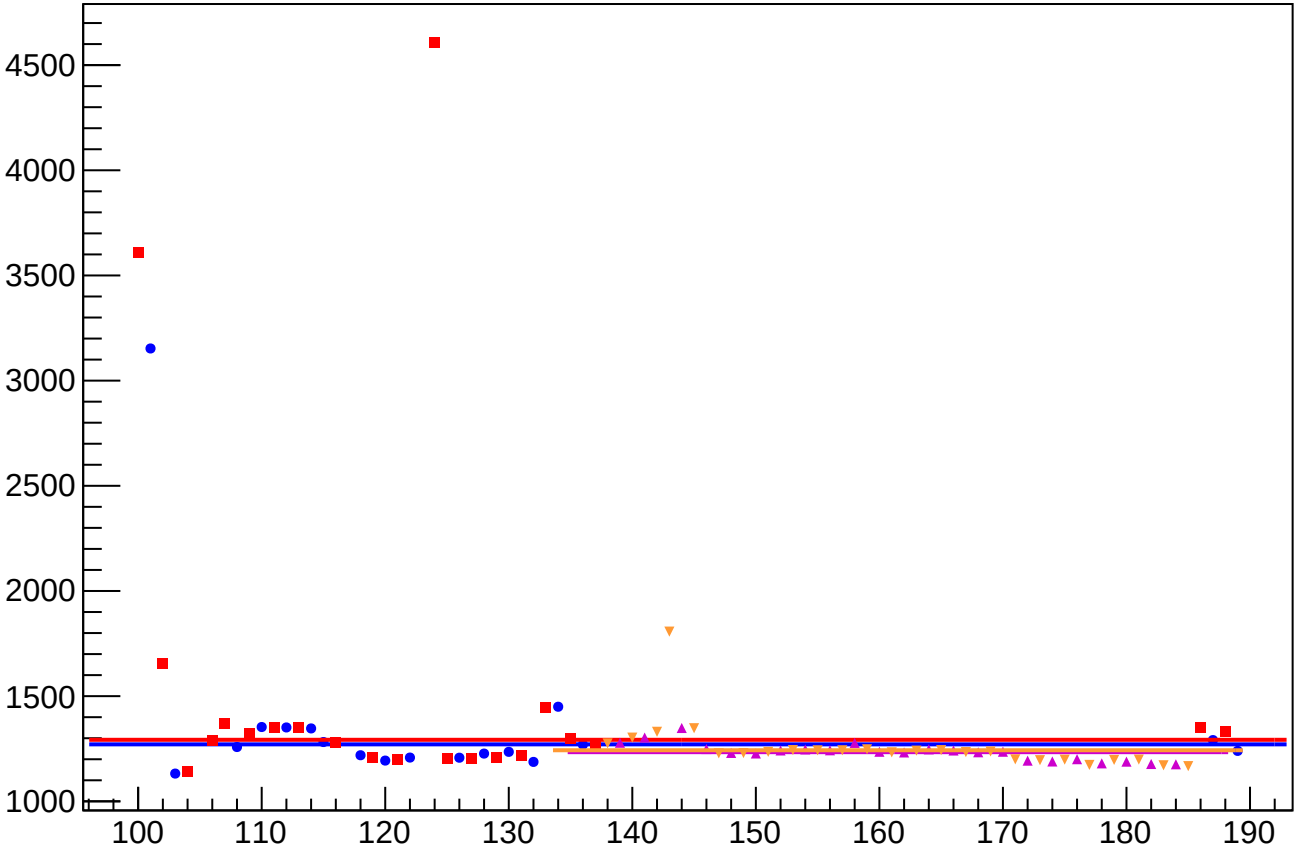
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -44.752+/-240.866 χ^2/NDF: 44.3/42

All: 70.975+/-170.602 χ^2/NDF: 79.1/86

- sign 187.476+/-241.671 χ^2/NDF: 34.4/43

eigen_cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1270.843+/-0.324 χ^2/NDF: 520092.8/17

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

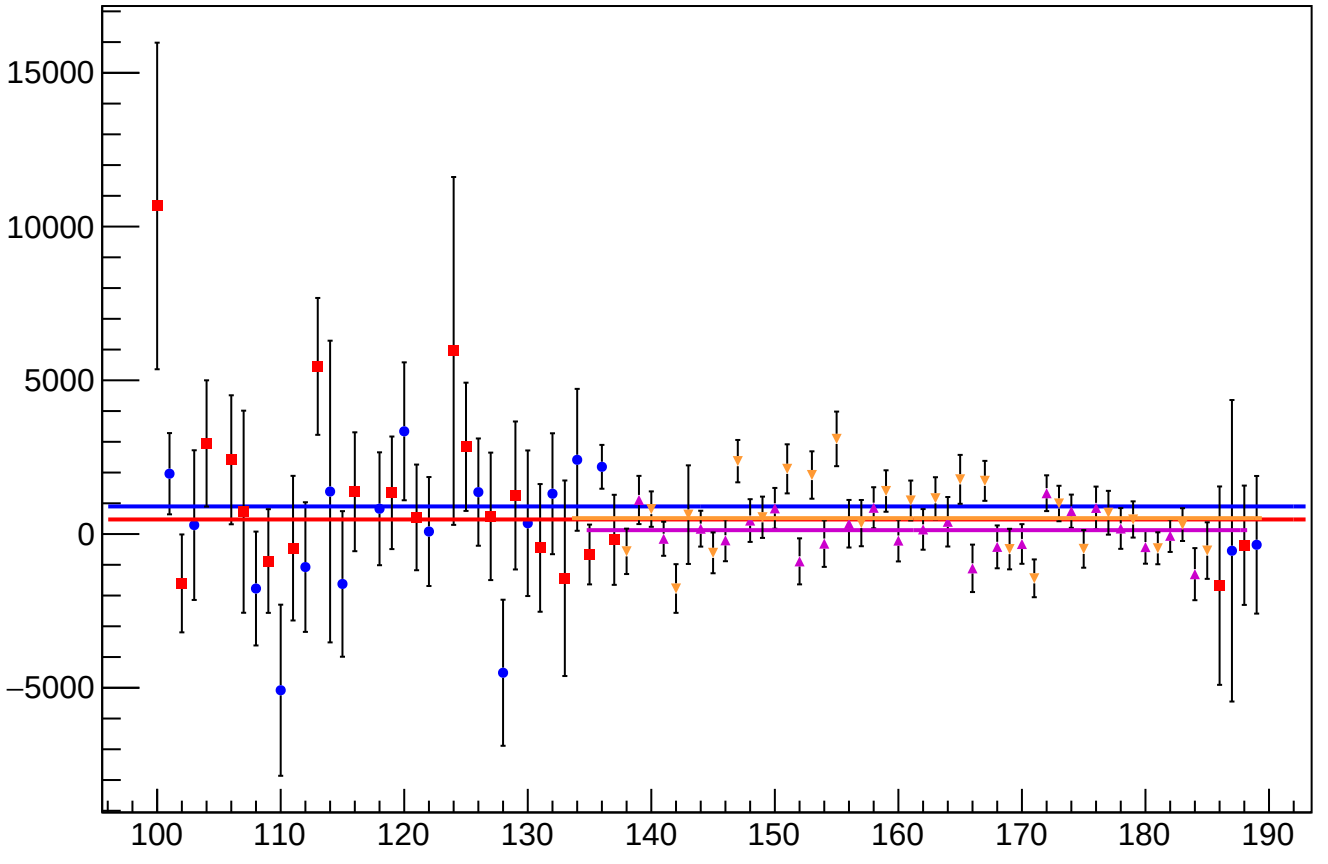
Right Out: 1292.498+/-0.314 χ^2/NDF: 332430.3/20

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1250.554+/-0.170 χ^2/NDF: 728798.1/42

All: 1250.874+/-0.121 χ^2/NDF: 1125187.6/86

- sign 1251.195+/-0.171 χ^2/NDF: 396382.5/43



Right In: 898.158+/-416.653 χ^2/NDF: 20.3/17

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

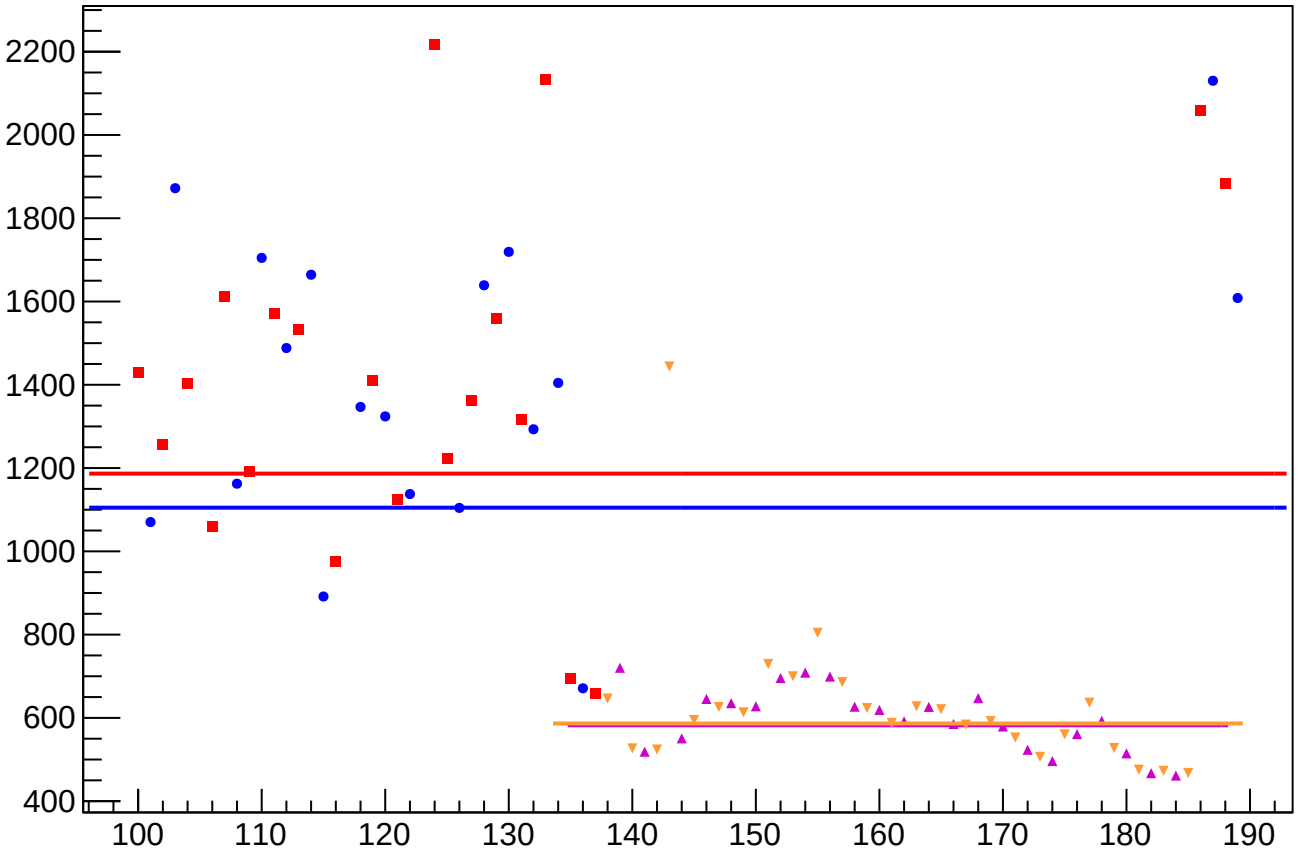
Right Out: 474.485+/-426.046 χ^2/NDF: 19.0/20

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 553.406+/-129.069 χ^2/NDF: 88.1/42

All: 358.740+/-91.820 χ^2/NDF: 133.9/86

- sign 159.270+/-130.652 χ^2/NDF: 41.2/43



Right In: 1104.872+/-0.295 χ^2/NDF: 1674845.3/17

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1186.652+/-0.301 χ^2/NDF: 1720986.2/20

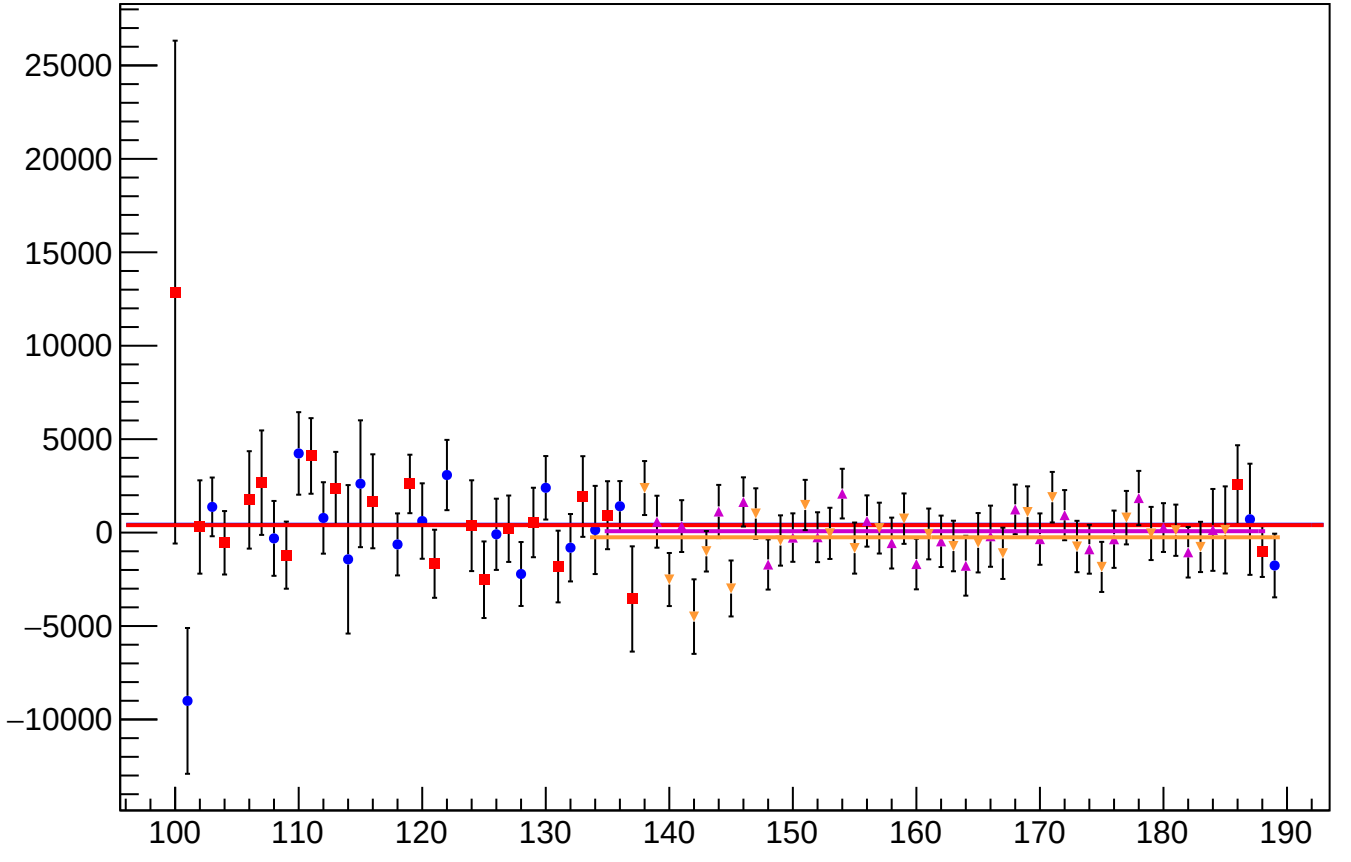
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 636.300+/-0.091 χ^2/NDF: 5675667.6/42

All: 637.650+/-0.065 χ^2/NDF: 11603601.0/86

- sign 639.033+/-0.092 χ^2/NDF: 5927490.4/43

dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 420.894+/-461.252 χ^2/NDF: 18.9/17

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: 398.578+/-440.118 χ^2/NDF: 18.8/20

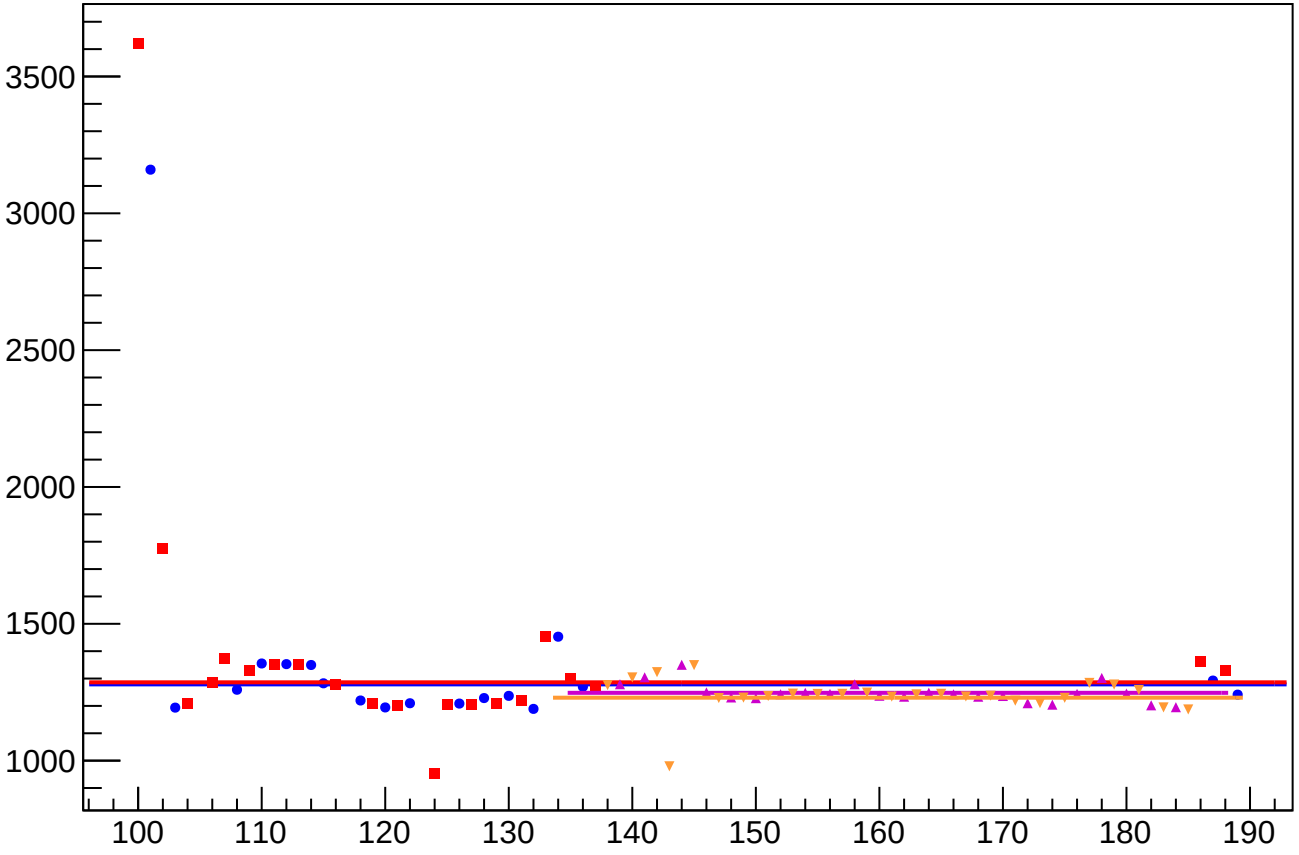
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -70.039+/-239.303 χ^2/NDF: 44.5/42

All: 49.891+/-170.506 χ^2/NDF: 78.2/86

- sign 173.561+/-243.005 χ^2/NDF: 33.2/43

dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1278.697+/-0.326 χ^2/NDF: 508149.9/17

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

Right Out: 1286.171+/-0.311 χ^2/NDF: 225975.6/20

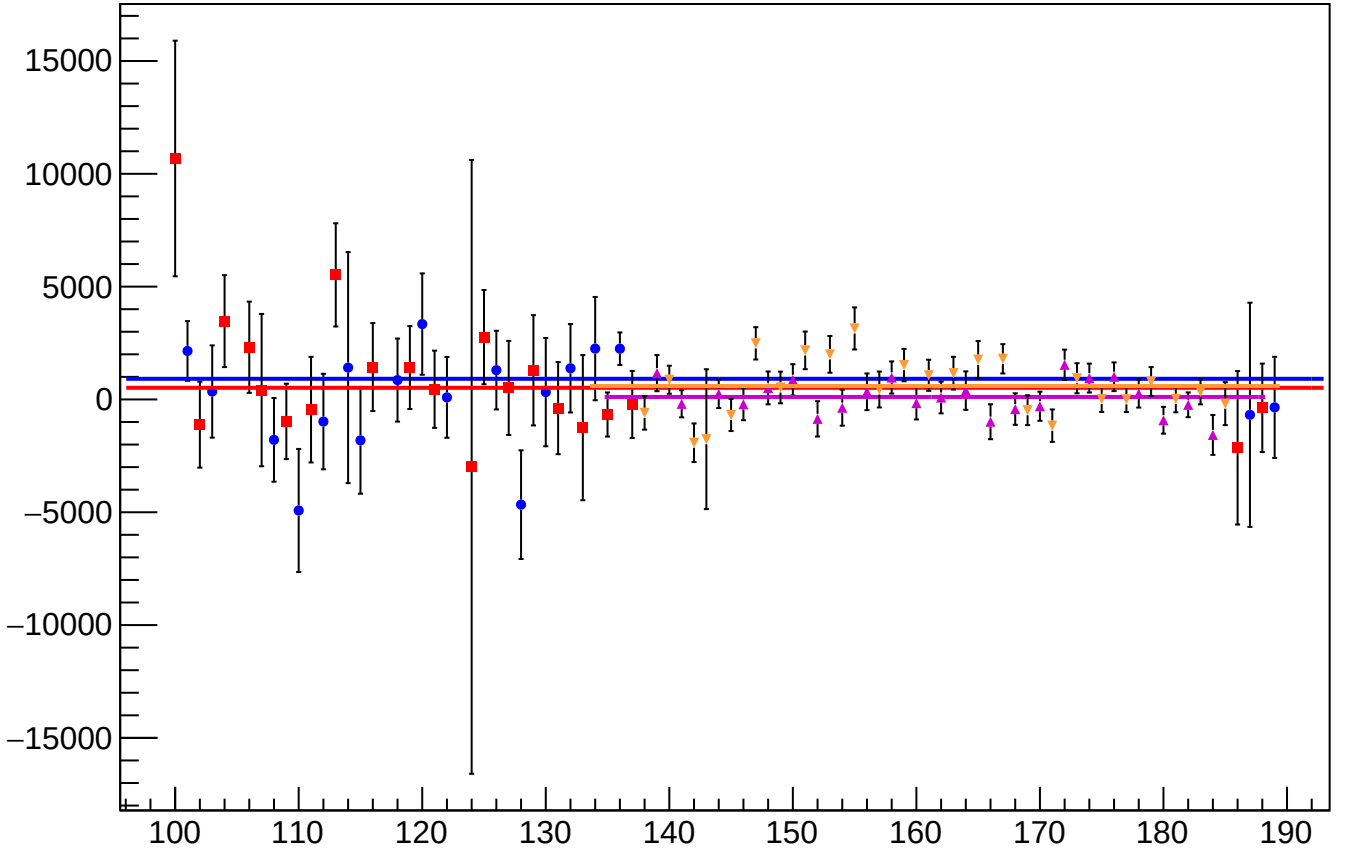
Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

+ sign 1243.098+/-0.169 χ^2/NDF: 666058.9/42

All: 1251.167+/-0.121 χ^2/NDF: 934570.2/86

- sign 1259.487+/-0.172 χ^2/NDF: 263892.4/43

asym_atl_dd_atr_dd_dd_dit_correction_mean vs Slug



Right In: 915.040+/-416.297 χ^2/NDF: 20.9/17

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: 516.041+/-432.945 χ^2/NDF: 18.0/20

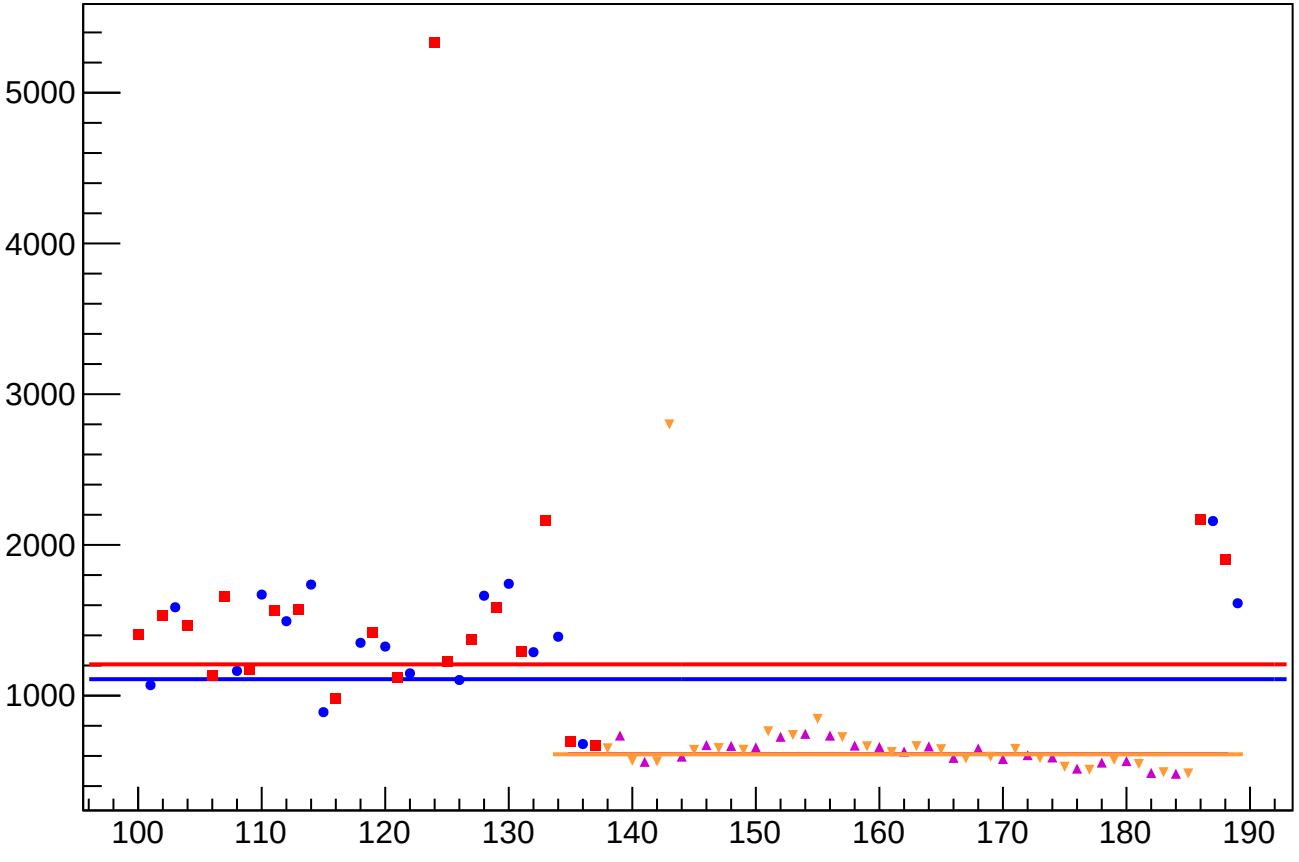
Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

+ sign 628.411+/-134.507 χ^2/NDF: 78.7/42

All: 393.703+/-95.925 χ^2/NDF: 129.4/86

- sign 150.789+/-136.839 χ^2/NDF: 44.5/43

asym_atl_dd_atr_dd_dd_dit_correction_rms vs Slug



Right In: 1109.155+/-0.294 χ^2/NDF: 1557785.6/17

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

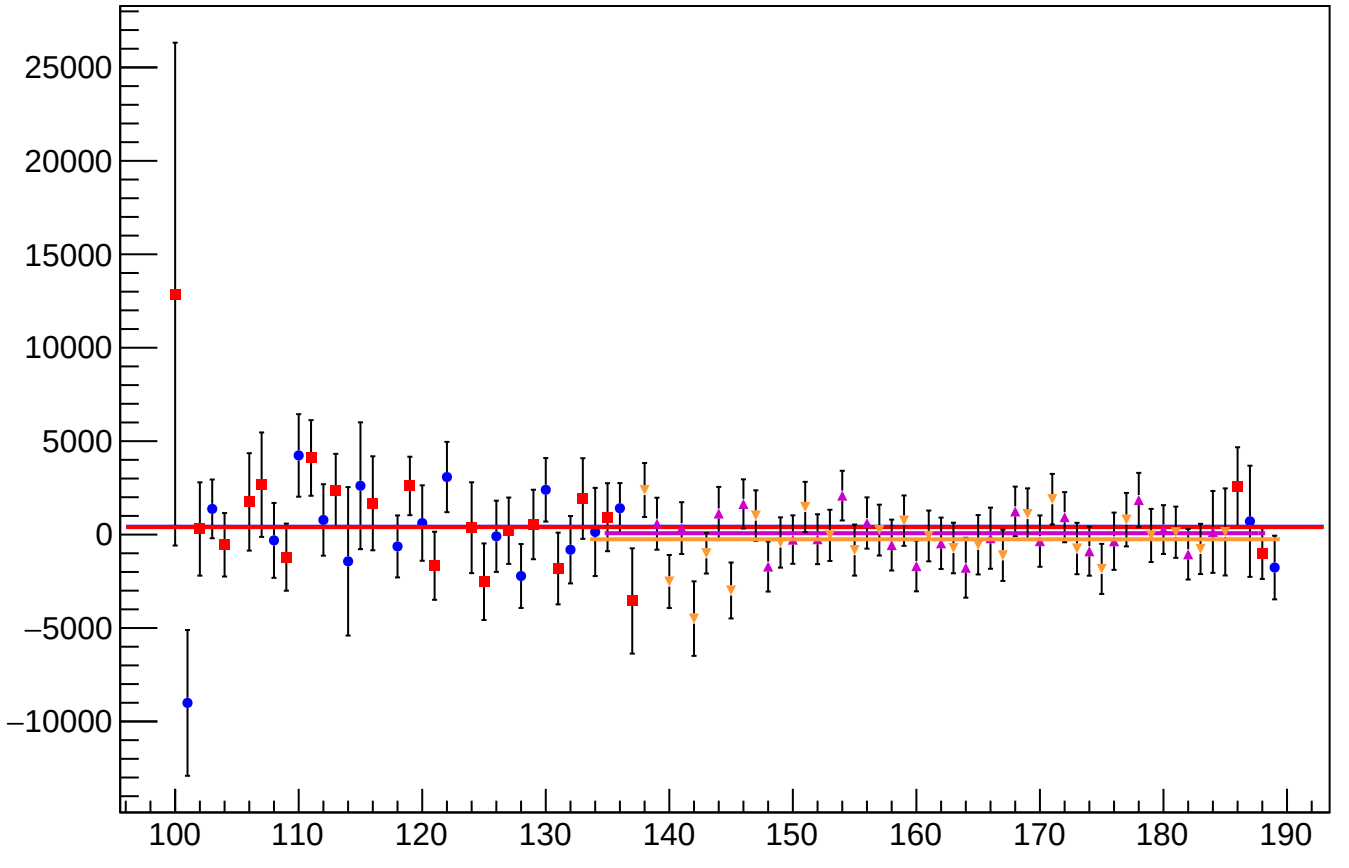
Right Out: 1207.580+/-0.306 χ^2/NDF: 1926728.6/20

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

+ sign 663.083+/-0.095 χ^2/NDF: 5741098.1/42

All: 667.394+/-0.068 χ^2/NDF: 11582755.9/86

- sign 671.856+/-0.097 χ^2/NDF: 5837477.2/43



Right In: 420.896+/-461.252 χ^2/NDF: 18.9/17

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: 398.577+/-440.118 χ^2/NDF: 18.8/20

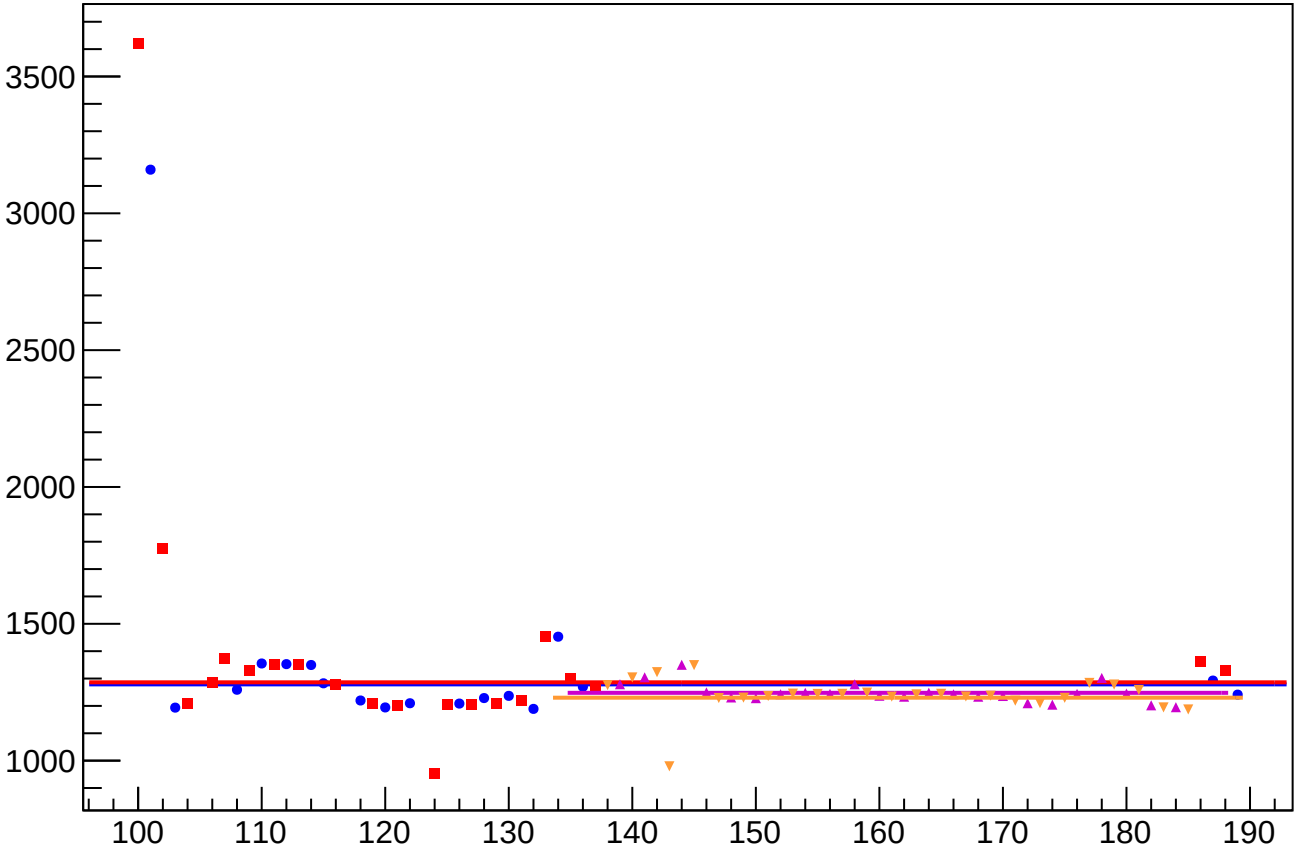
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

\+ sign -70.040+/-239.303 χ^2/NDF: 44.5/42

All: 49.891+/-170.506 χ^2/NDF: 78.2/86

\- sign 173.561+/-243.005 χ^2/NDF: 33.2/43

eigen_dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1278.697+/-0.326 χ^2/NDF: 508150.0/17

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

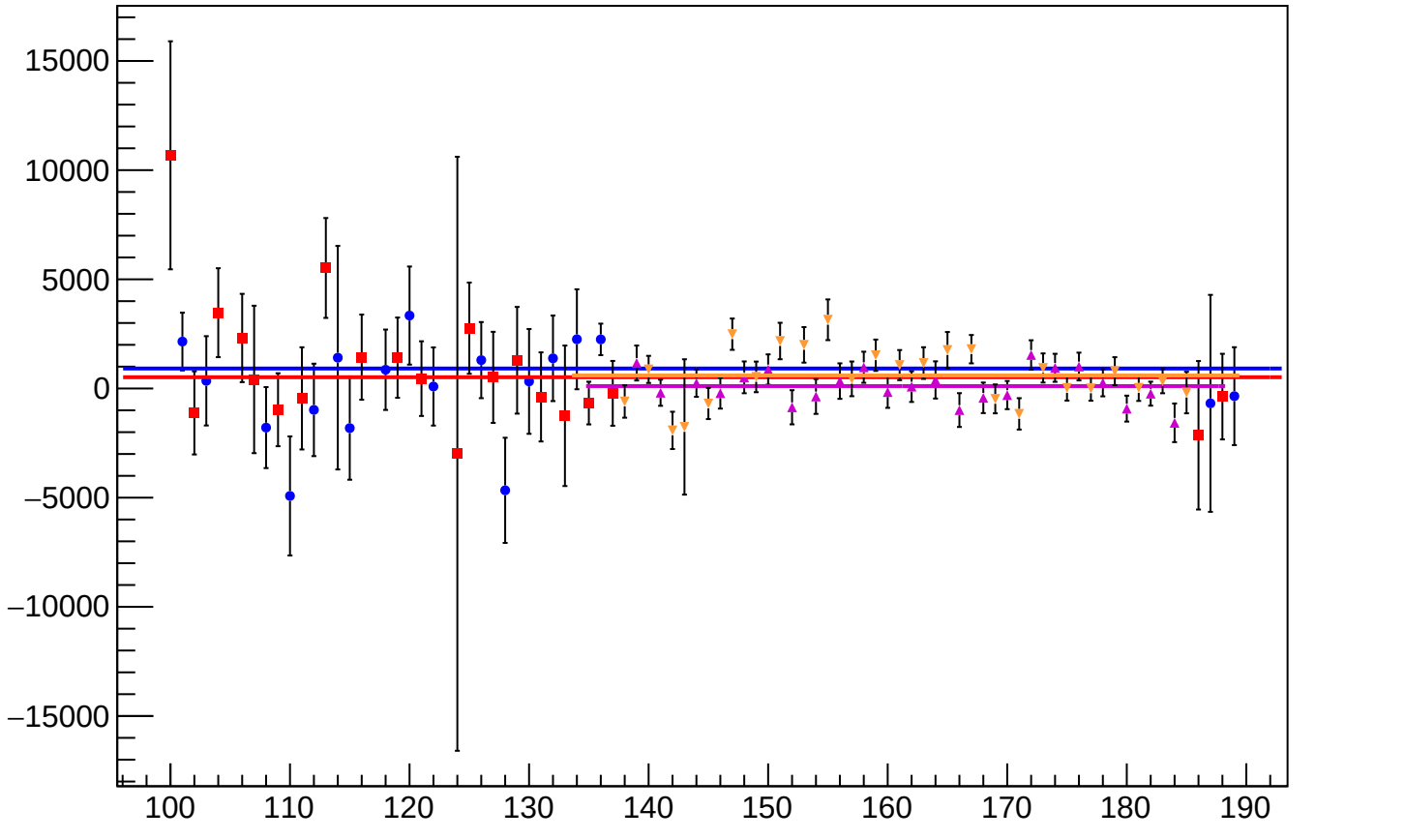
Right Out: 1286.171+/-0.311 χ^2/NDF: 225975.5/20

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1243.097+/-0.169 χ^2/NDF: 666058.1/42

All: 1251.167+/-0.121 χ^2/NDF: 934569.3/86

- sign 1259.487+/-0.172 χ^2/NDF: 263892.3/43



Right In: 915.035+/-416.299 χ^2/NDF: 20.9/17

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

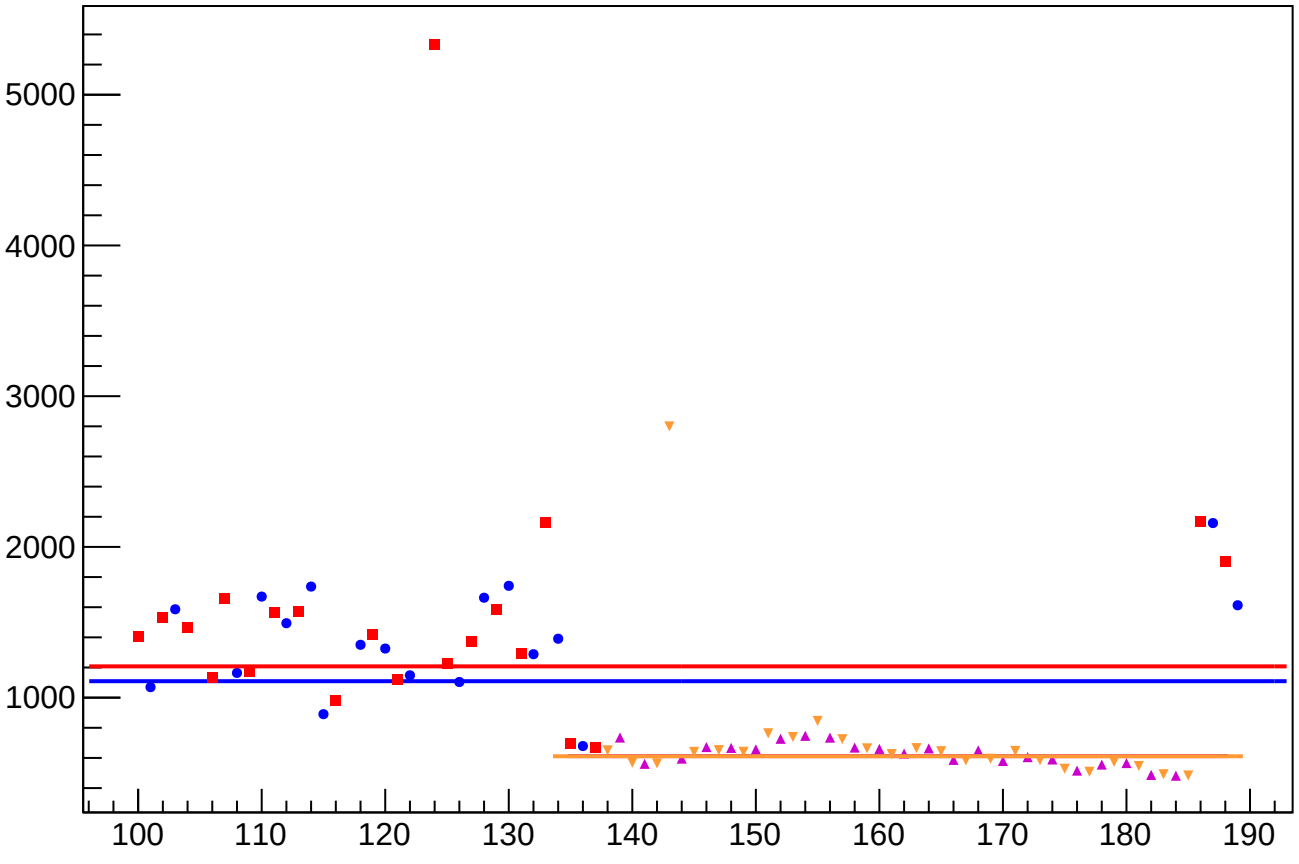
Right Out: 516.050+/-432.947 χ^2/NDF: 18.0/20

Left In: 110.251+/-144.232 χ^2/NDF:25.7/22

\+ sign 628.410+/-134.507 χ^2/NDF: 78.7/42

All: 393.703+/-95.925 χ^2/NDF: 129.4/86

\- sign 150.789+/-136.839 χ^2/NDF: 44.5/43



Right In: 1109.161+/-0.294 χ^2/NDF: 1557725.6/17

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1207.587+/-0.306 χ^2/NDF: 1926671.4/20

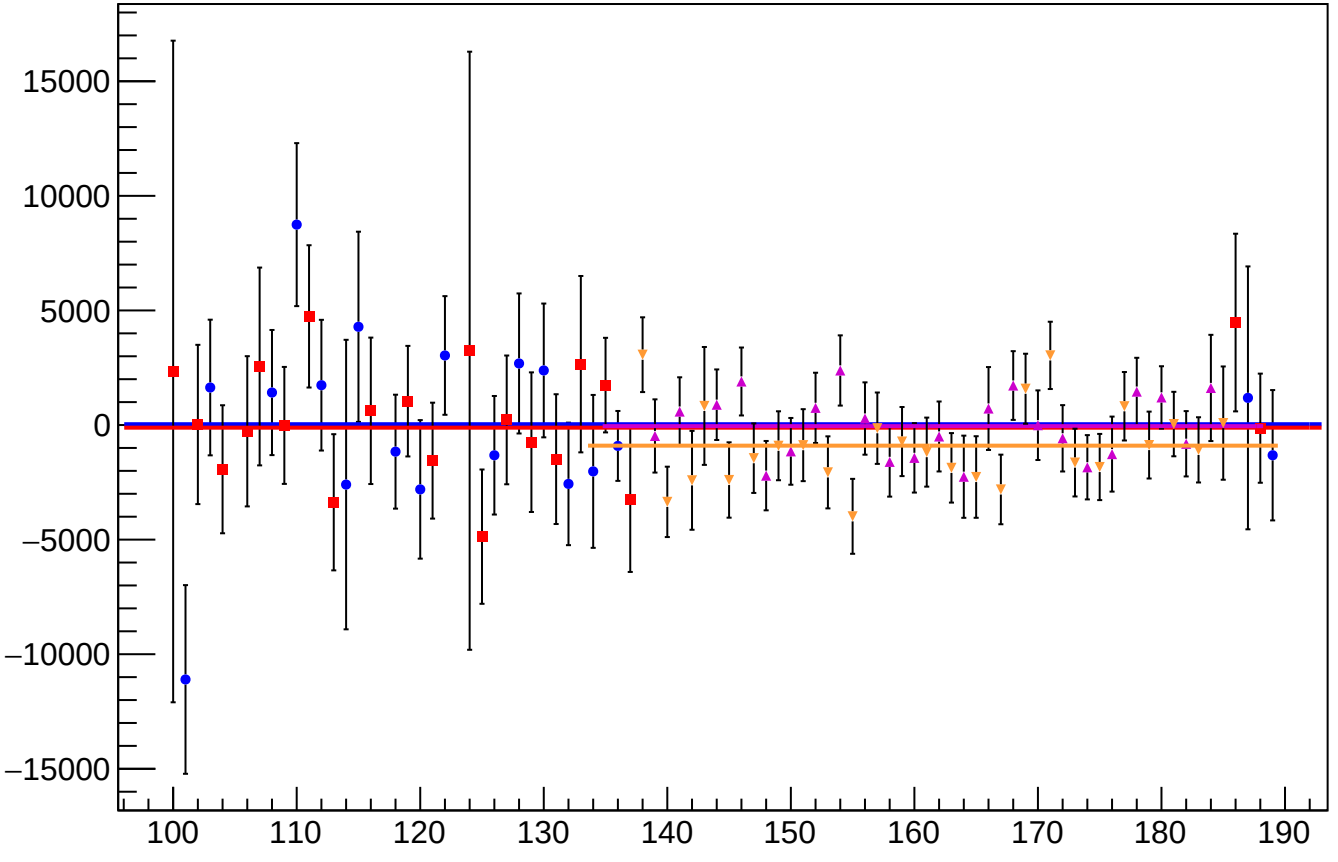
Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

+ sign 663.083+/-0.095 χ^2/NDF: 5741086.7/42

All: 667.394+/-0.068 χ^2/NDF: 11582756.1/86

- sign 671.855+/-0.097 χ^2/NDF: 5837489.2/43

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 35.709+/-674.071 χ^2/NDF: 21.6/17

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: -115.197+/-661.481 χ^2/NDF: 11.8/20

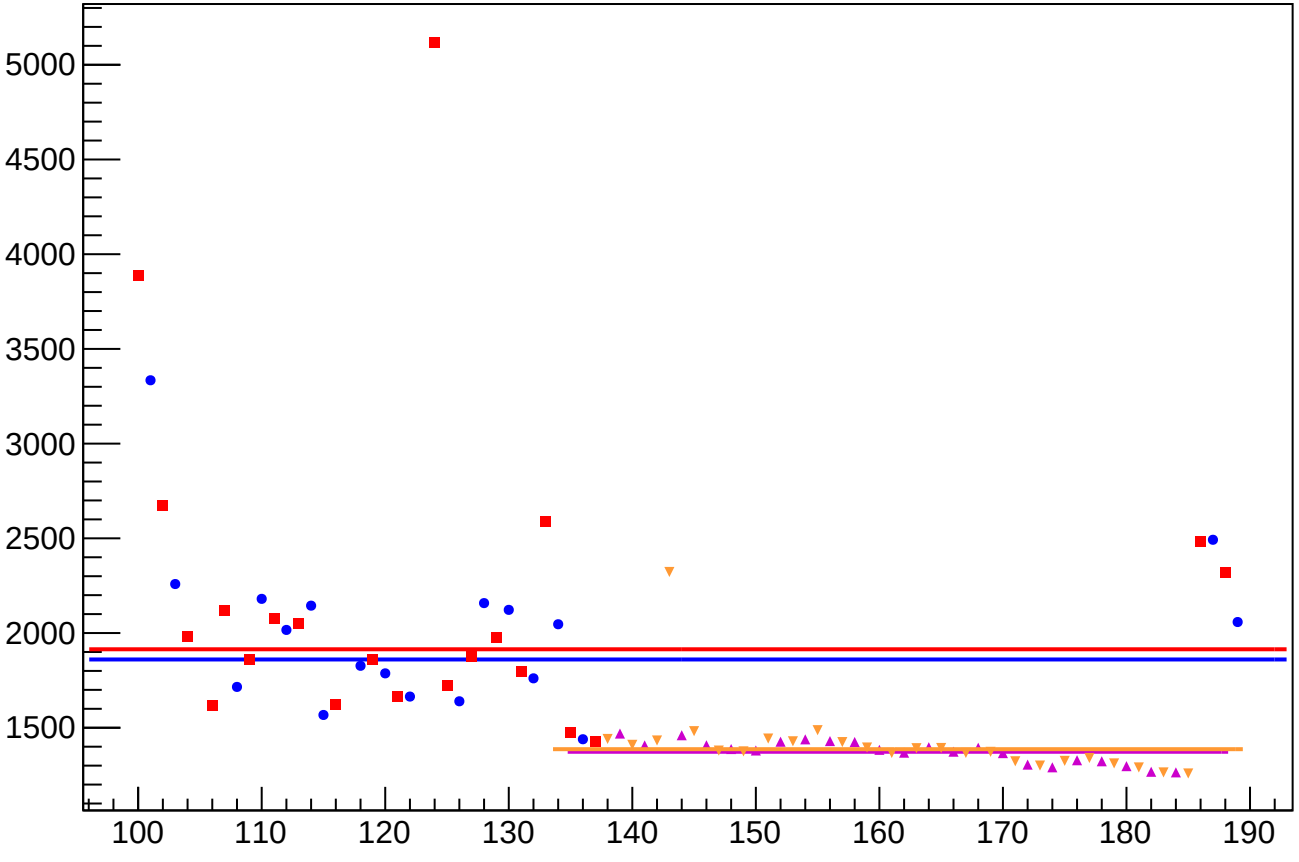
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

\+ sign -730.933+/-286.453 χ^2/NDF: 53.0/42

All: -398.604+/-203.357 χ^2/NDF: 85.3/86

\- sign -60.947+/-288.740 χ^2/NDF: 29.7/43

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1860.446+/-0.477 χ^2/NDF: 592536.1/17

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

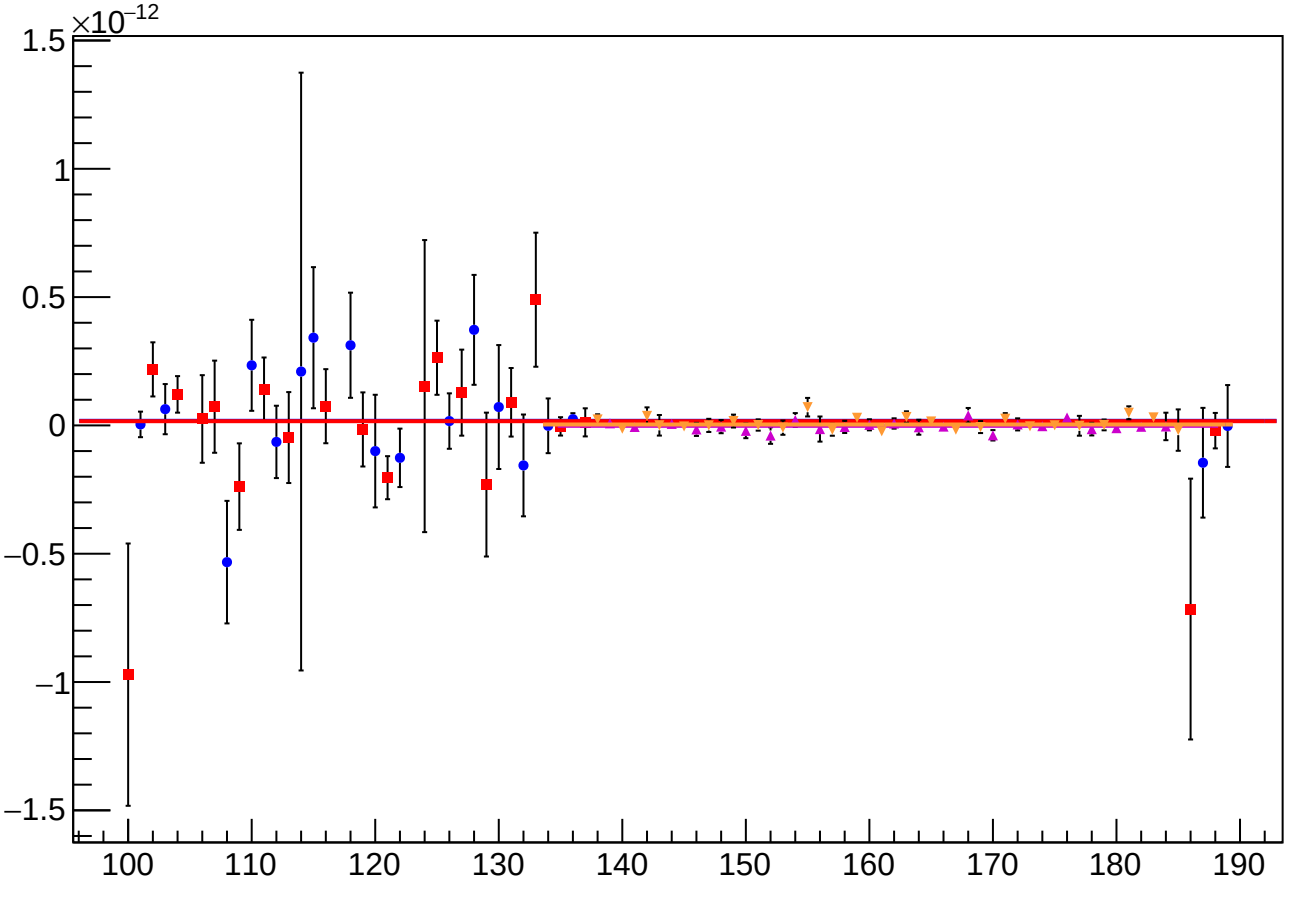
Right Out: 1914.283+/-0.468 χ^2/NDF: 634746.0/20

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1472.373+/-0.203 χ^2/NDF: 1741325.4/42

All: 1474.327+/-0.144 χ^2/NDF: 3523909.4/86

- sign 1476.312+/-0.204 χ^2/NDF: 1782396.5/43



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

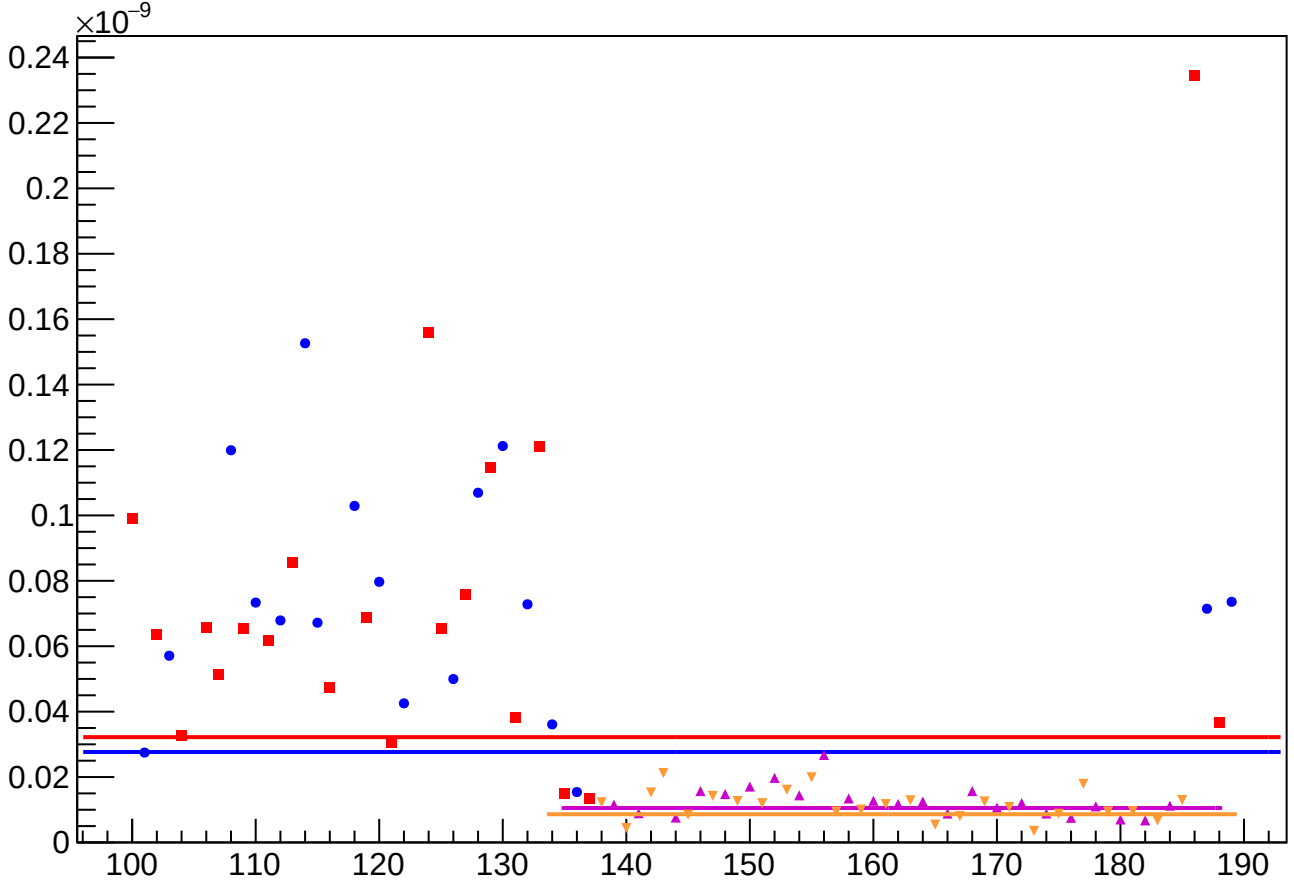
Right Out: 0.000+/-0.000 χ^2/NDF: 30.6/20

Left In: -0.000+/-0.000 χ^2/NDF:13.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 42.4/42

All: 0.000+/-0.000 χ^2/NDF: 88.0/86

- sign -0.000+/-0.000 χ^2/NDF: 44.8/43



Right In: 0.000+/-0.000 χ^2/NDF: 2835767.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

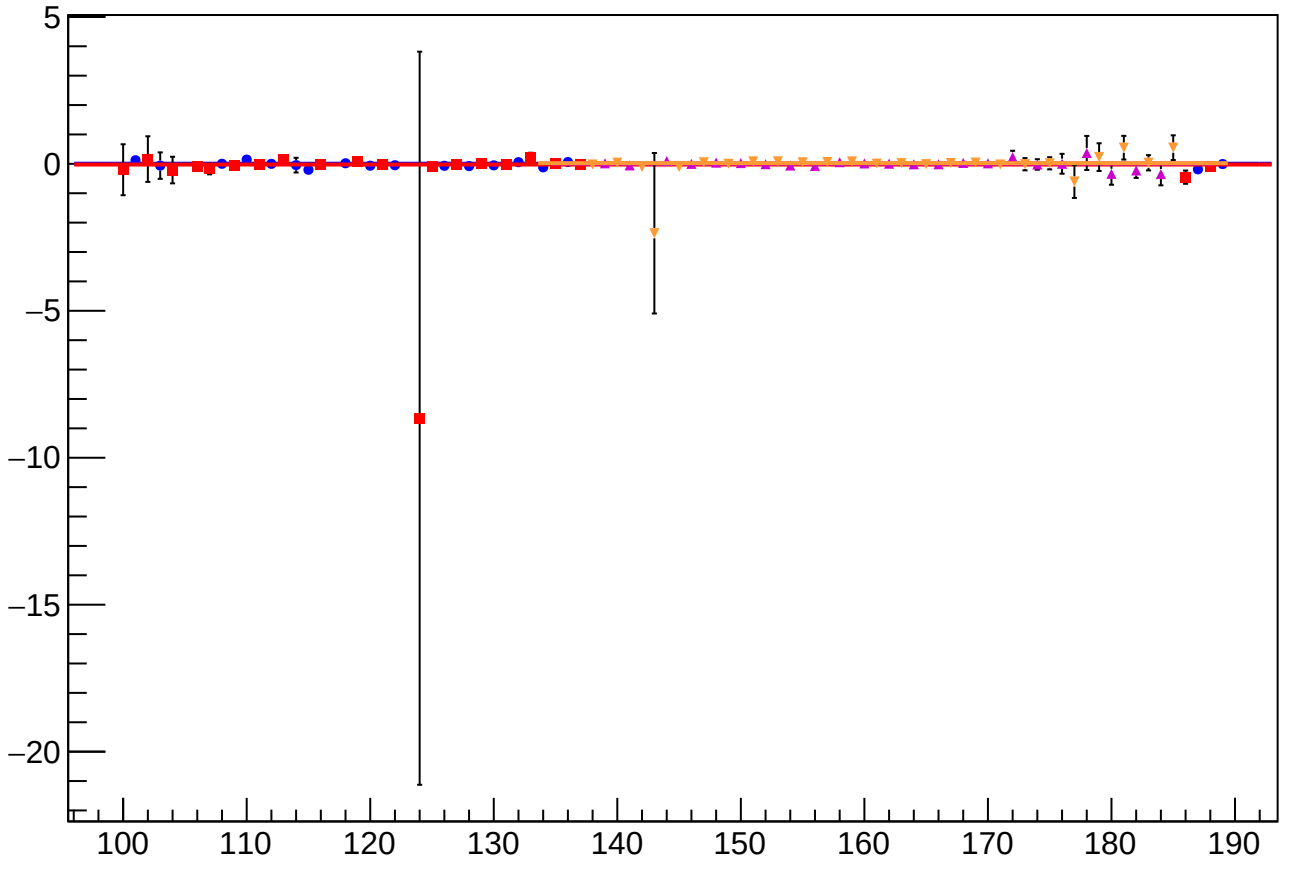
Right Out: 0.000+/-0.000 χ^2/NDF: 2603701.0/20

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 6993745.0/42

All: 0.000+/-0.000 χ^2/NDF: 13088021.8/86

- sign 0.000+/-0.000 χ^2/NDF: 5838178.8/43



Right In: 0.004+/-0.015 χ^2/NDF: 21.6/17

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.023+/-0.015 χ^2/NDF: 18.2/20

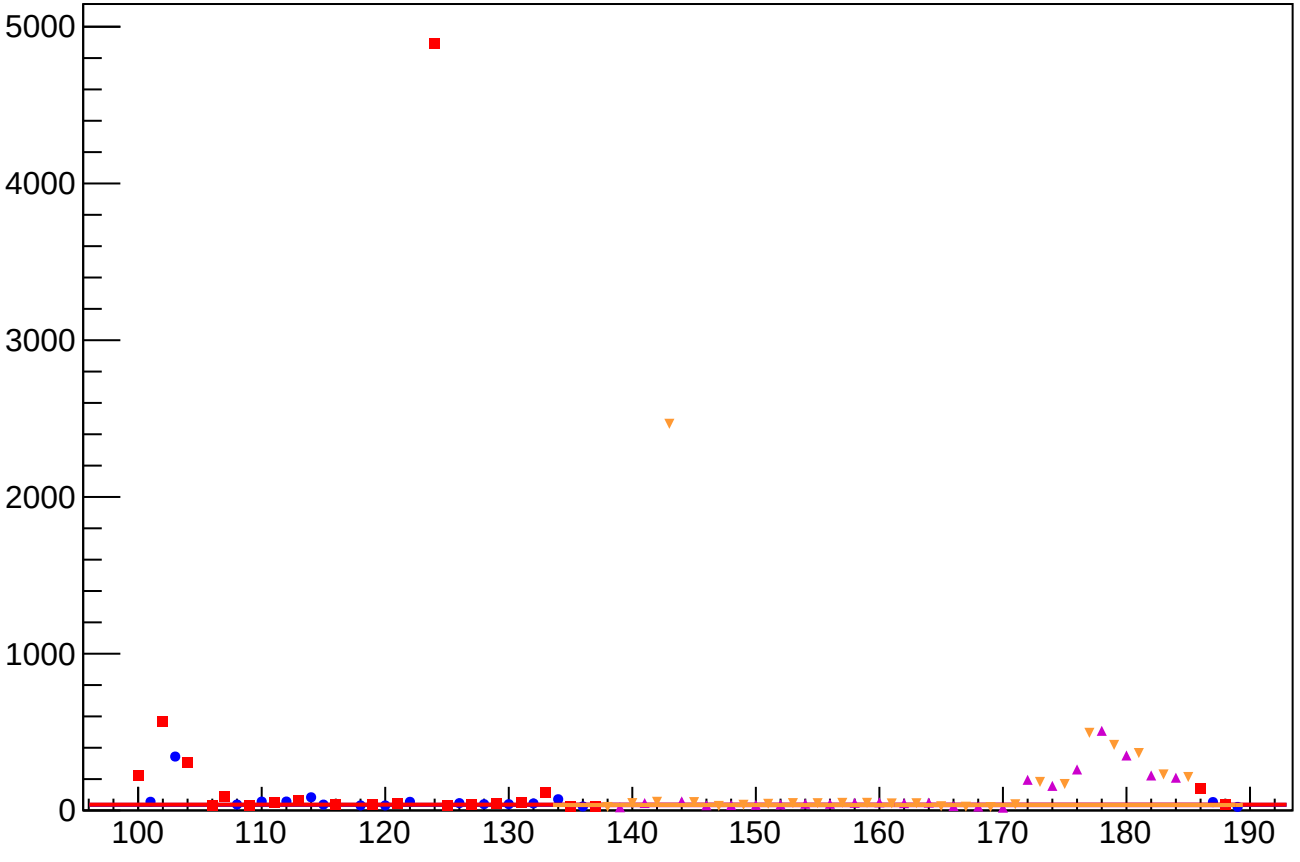
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.017+/-0.008 χ^2/NDF: 45.7/42

All: 0.008+/-0.006 χ^2/NDF: 84.1/86

- sign -0.000+/-0.008 χ^2/NDF: 36.3/43

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 35.758+/-0.011 χ^2/NDF: 2253352.4/17

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

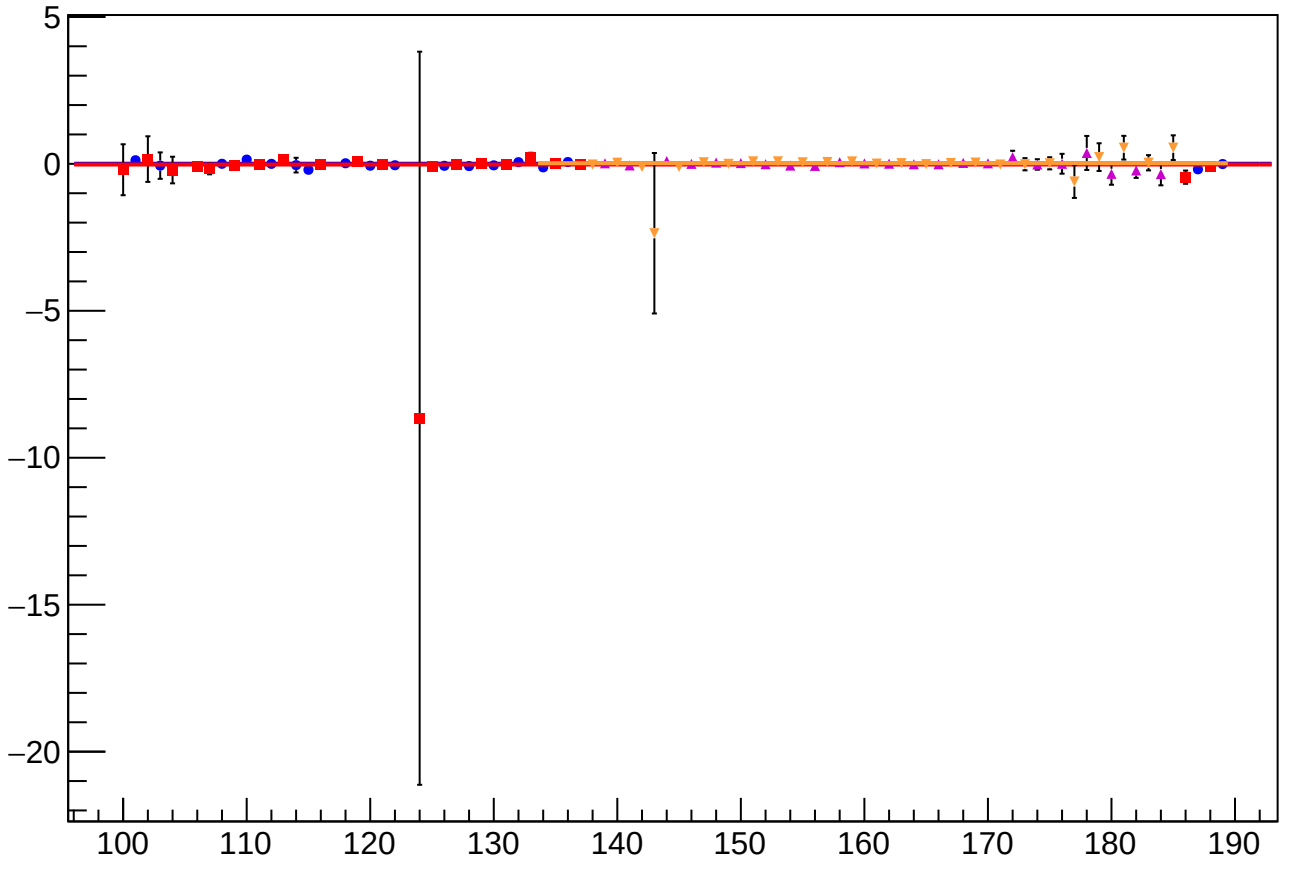
Right Out: 37.179+/-0.011 χ^2/NDF: 3633130.8/20

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

\+ sign 34.986+/-0.006 χ^2/NDF: 13663706.3/42

All: 34.818+/-0.004 χ^2/NDF: 27442868.8/86

\- sign 34.653+/-0.006 χ^2/NDF: 13777574.2/43



Right In: 0.004+/-0.015 χ^2/NDF: 21.6/17

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.023+/-0.015 χ^2/NDF: 18.2/20

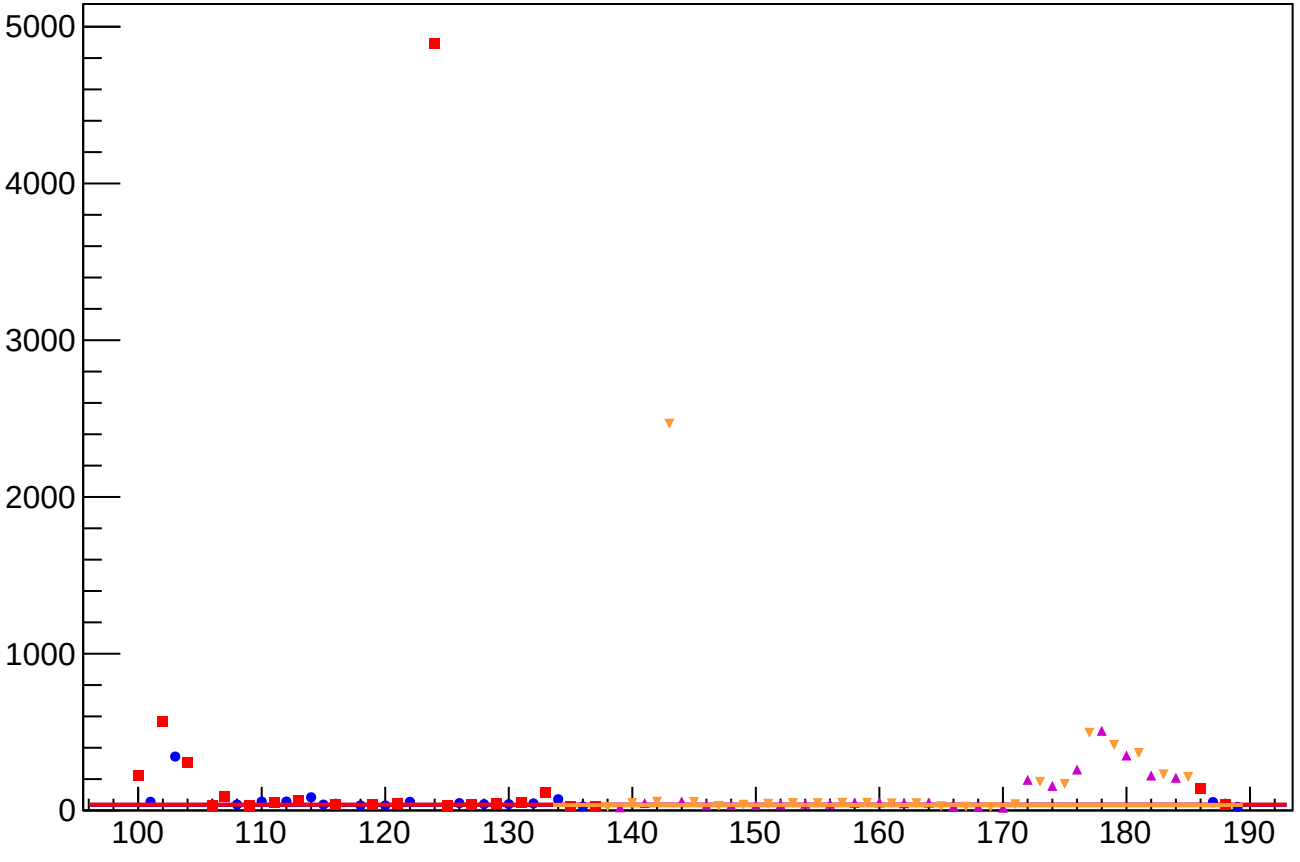
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.017+/-0.008 χ^2/NDF: 45.7/42

All: 0.008+/-0.006 χ^2/NDF: 84.1/86

- sign -0.000+/-0.008 χ^2/NDF: 36.3/43

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.758+/-0.011 χ^2/NDF: 2253352.4/17

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

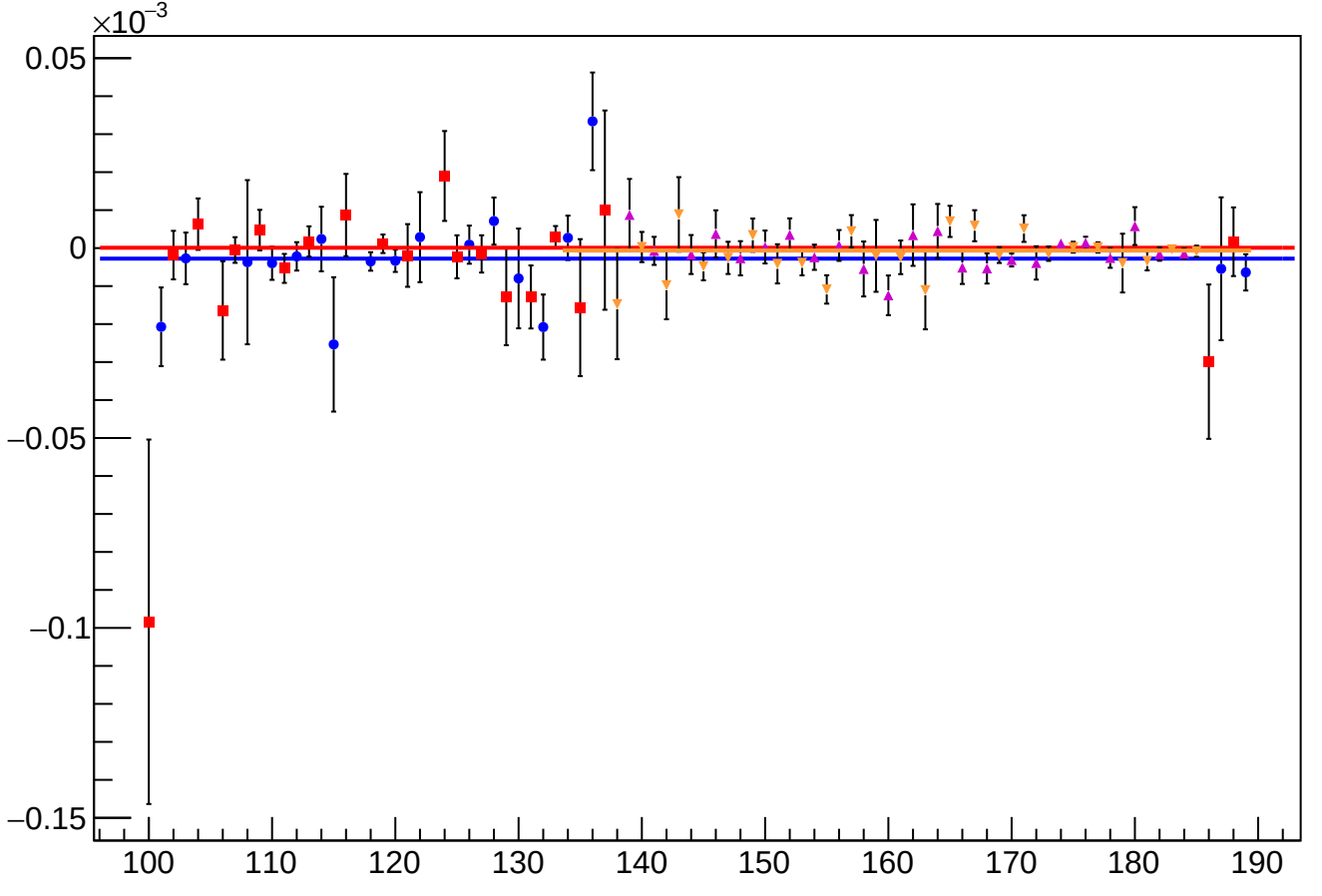
Right Out: 37.179+/-0.011 χ^2/NDF: 3633130.8/20

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

\+ sign 34.986+/-0.006 χ^2/NDF: 13663706.3/42

All: 34.818+/-0.004 χ^2/NDF: 27442868.8/86

\- sign 34.653+/-0.006 χ^2/NDF: 13777574.2/43



Right In: -0.000+/-0.000 χ^2/NDF: 22.5/17

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

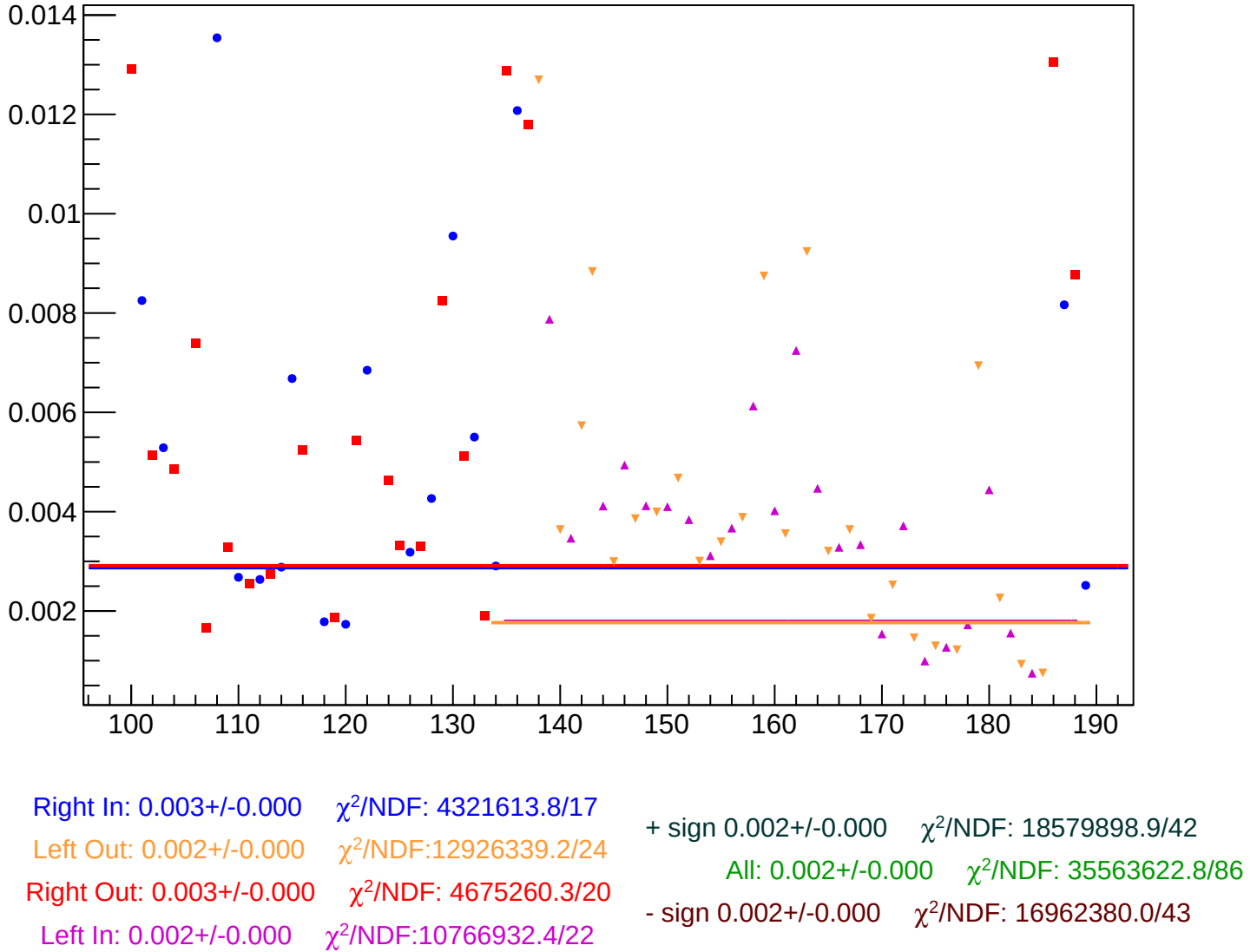
Right Out: 0.000+/-0.000 χ^2/NDF: 21.1/20

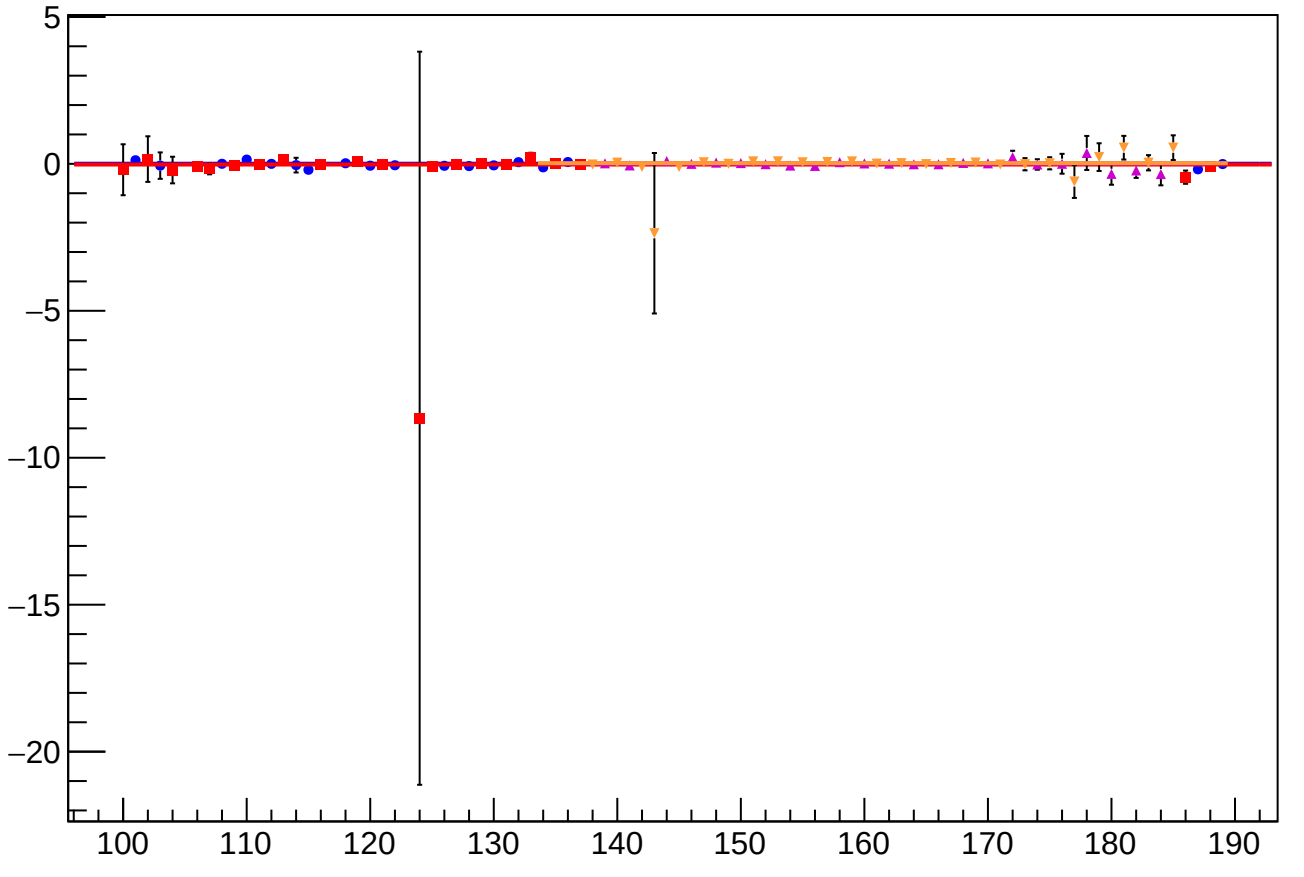
Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 53.4/42

All: -0.000+/-0.000 χ^2/NDF: 97.1/86

- sign -0.000+/-0.000 χ^2/NDF: 43.3/43


asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
180
190
Right In: 0.003+/-0.000 χ²/NDF: 4321613.8/17
Left Out: 0.002+/-0.000 χ²/NDF:12926339.2/24
Right Out: 0.003+/-0.000 χ²/NDF: 4675260.3/20
Left In: 0.002+/-0.000 χ²/NDF:10766932.4/22
+ sign 0.002+/-0.000 χ²/NDF: 18579898.9/42
All: 0.002+/-0.000 χ²/NDF: 35563622.8/86
- sign 0.002+/-0.000 χ²/NDF: 16962380.0/43



Right In: 0.004+/-0.015 χ^2/NDF: 21.6/17

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

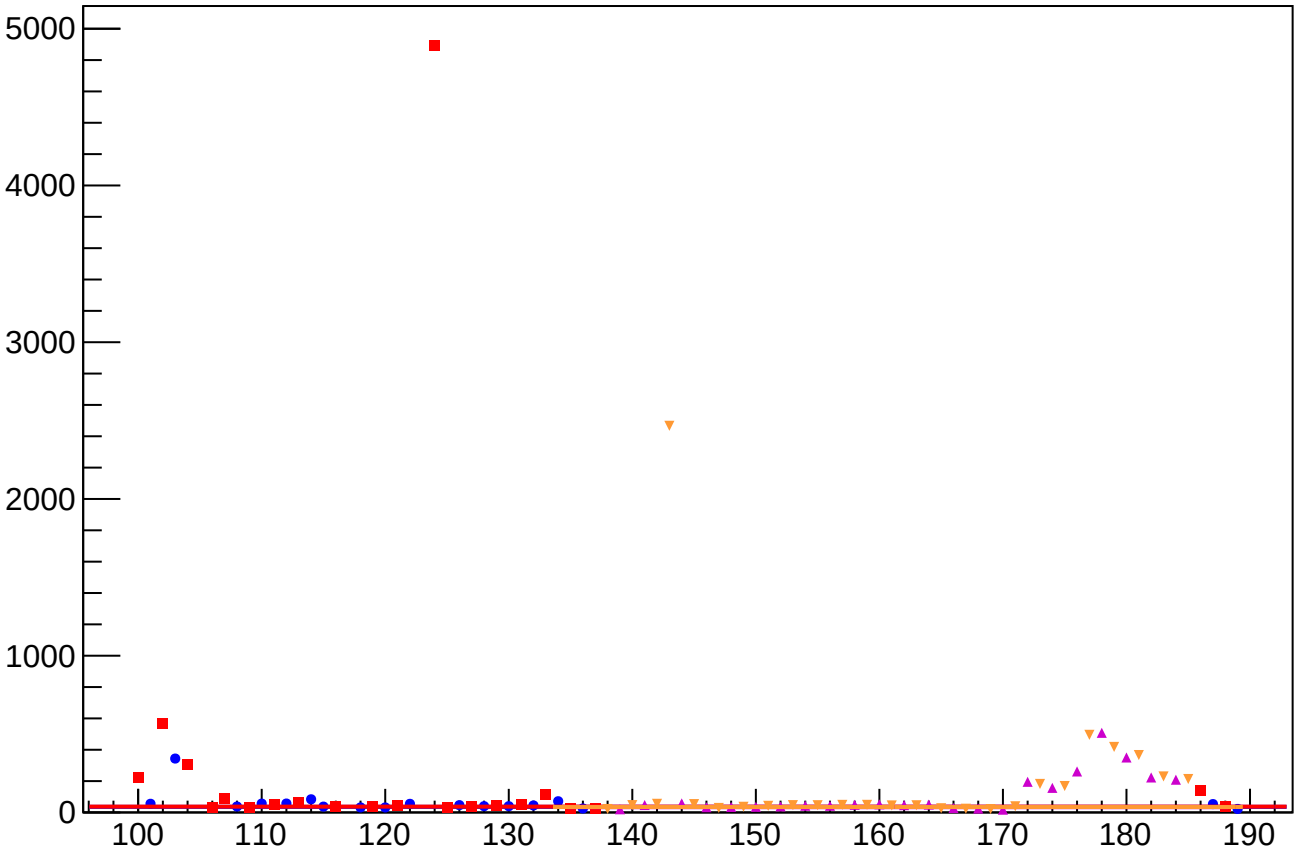
Right Out: -0.023+/-0.015 χ^2/NDF: 18.2/20

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.017+/-0.008 χ^2/NDF: 45.7/42

All: 0.008+/-0.006 χ^2/NDF: 84.1/86

- sign -0.000+/-0.008 χ^2/NDF: 36.3/43



Right In: 35.762+/-0.011 χ^2/NDF: 2252643.7/17

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

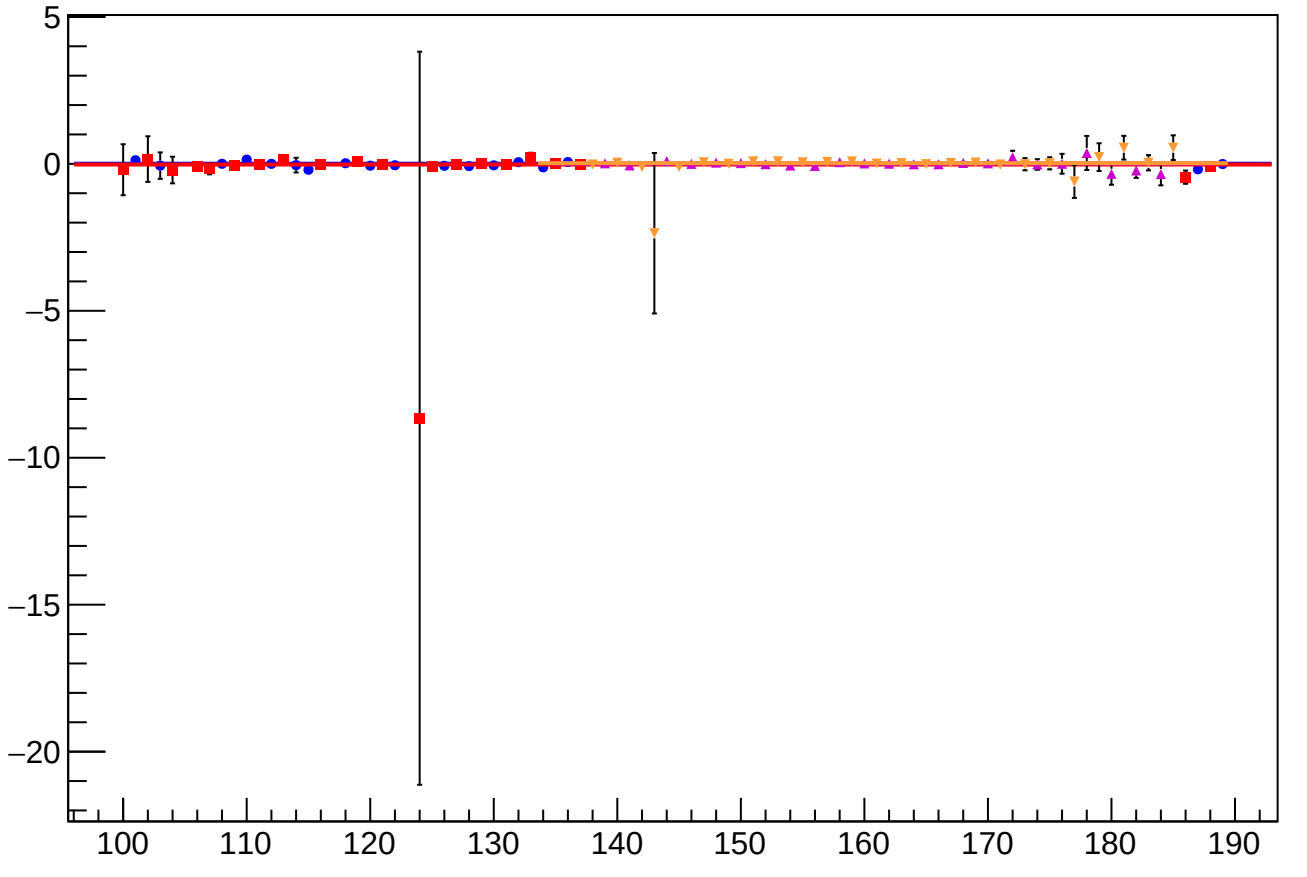
Right Out: 37.181+/-0.011 χ^2/NDF: 3632824.0/20

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

\+ sign 34.987+/-0.006 χ^2/NDF: 13663180.8/42

All: 34.819+/-0.004 χ^2/NDF: 27440731.6/86

\- sign 34.655+/-0.006 χ^2/NDF: 13775978.0/43



Right In: 0.004+/-0.015 χ^2/NDF: 21.6/17

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

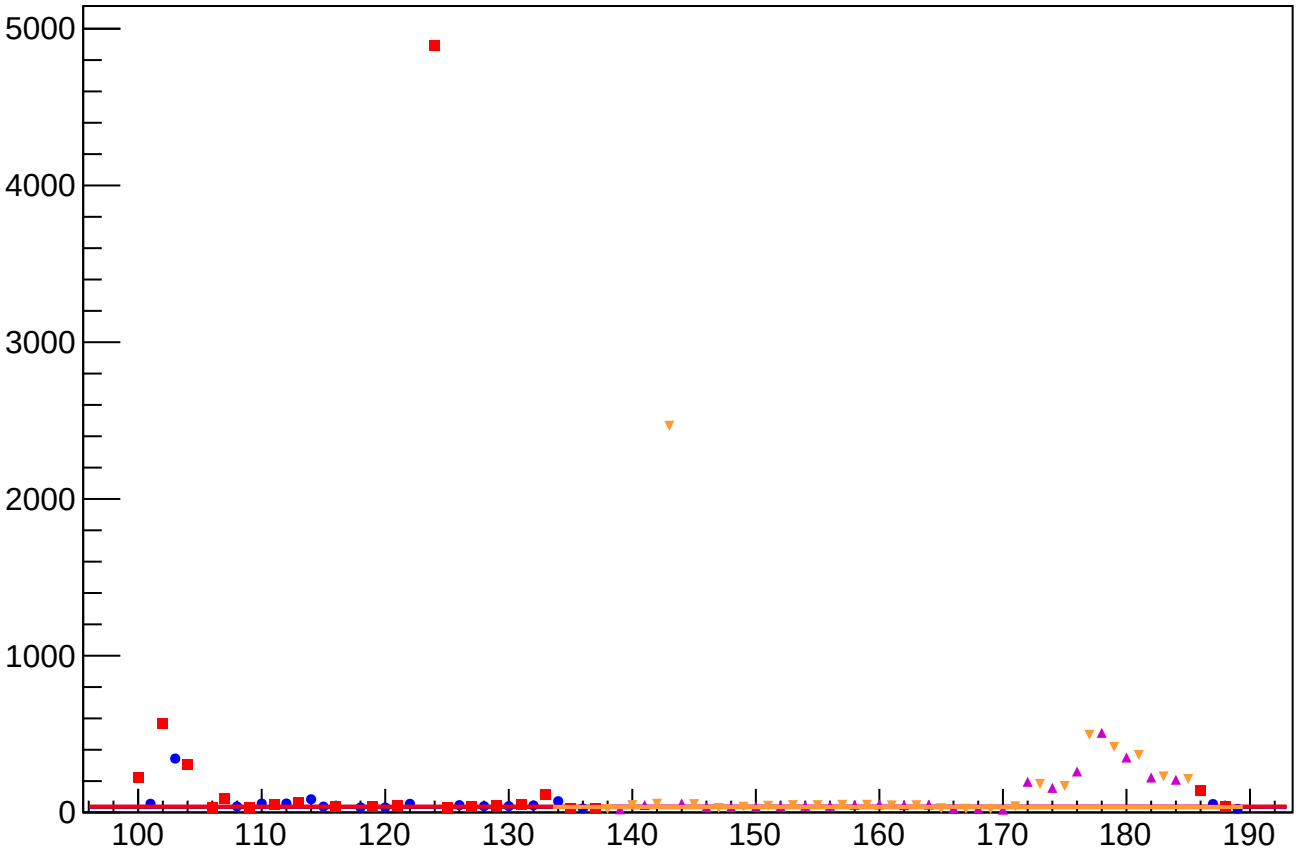
Right Out: -0.023+/-0.015 χ^2/NDF: 18.2/20

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.017+/-0.008 χ^2/NDF: 45.7/42

All: 0.008+/-0.006 χ^2/NDF: 84.1/86

- sign -0.000+/-0.008 χ^2/NDF: 36.3/43



Right In: 35.762+/-0.011 χ^2/NDF: 2252643.7/17

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

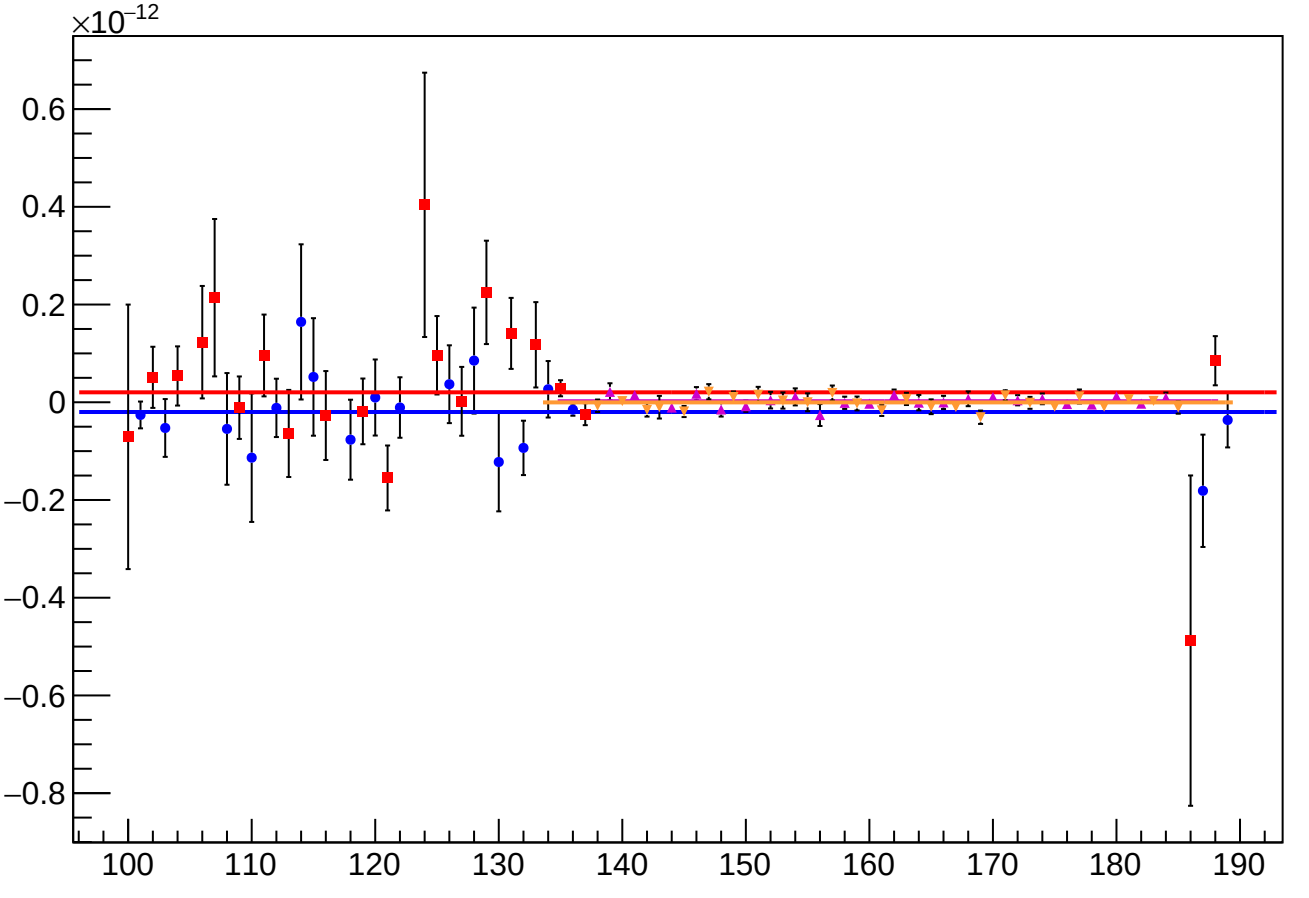
Right Out: 37.181+/-0.011 χ^2/NDF: 3632824.0/20

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

\+ sign 34.987+/-0.006 χ^2/NDF: 13663180.8/42

All: 34.819+/-0.004 χ^2/NDF: 27440731.6/86

\- sign 34.655+/-0.006 χ^2/NDF: 13775978.0/43



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/17

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

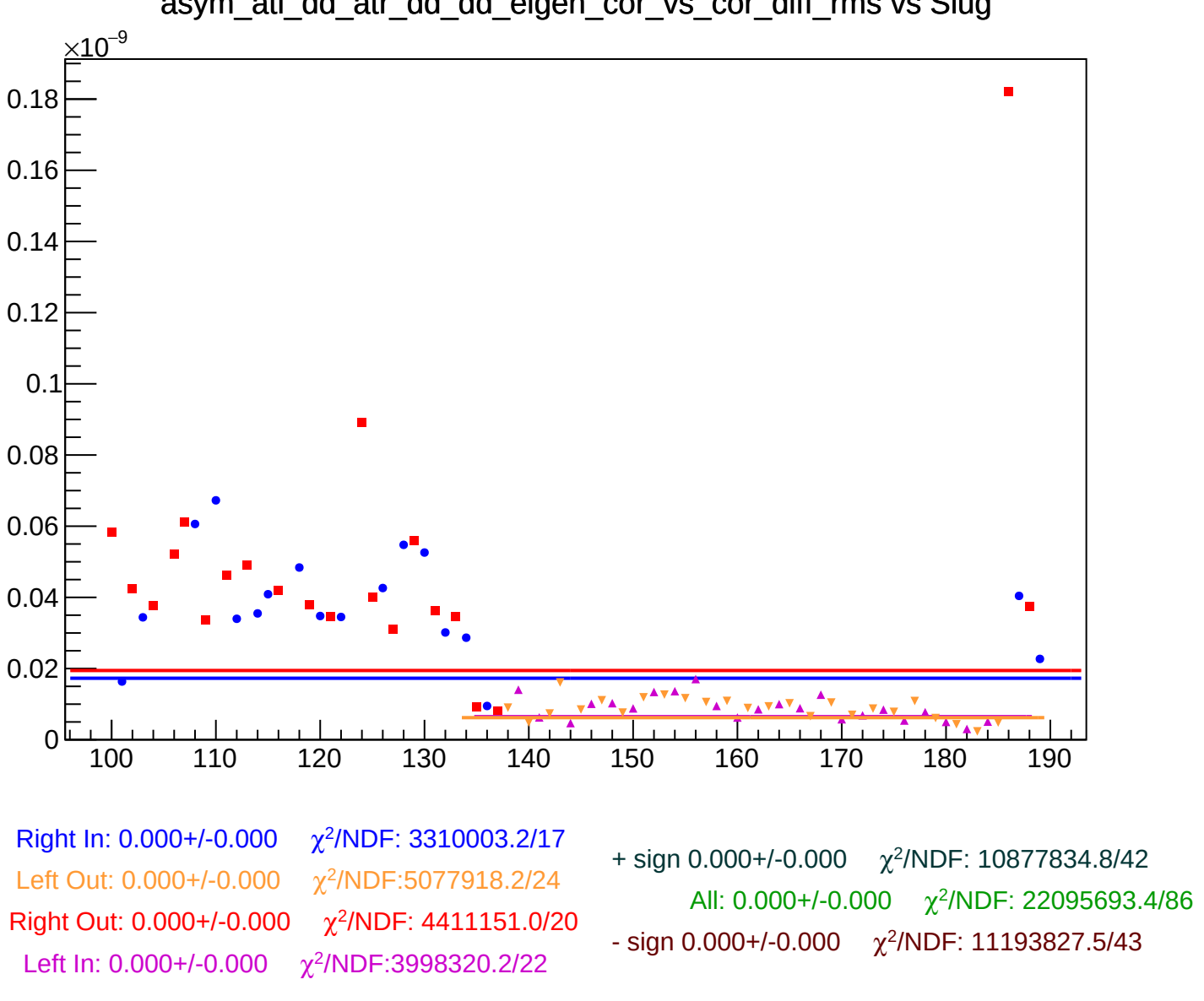
Right Out: 0.000+/-0.000 χ^2/NDF: 31.2/20

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

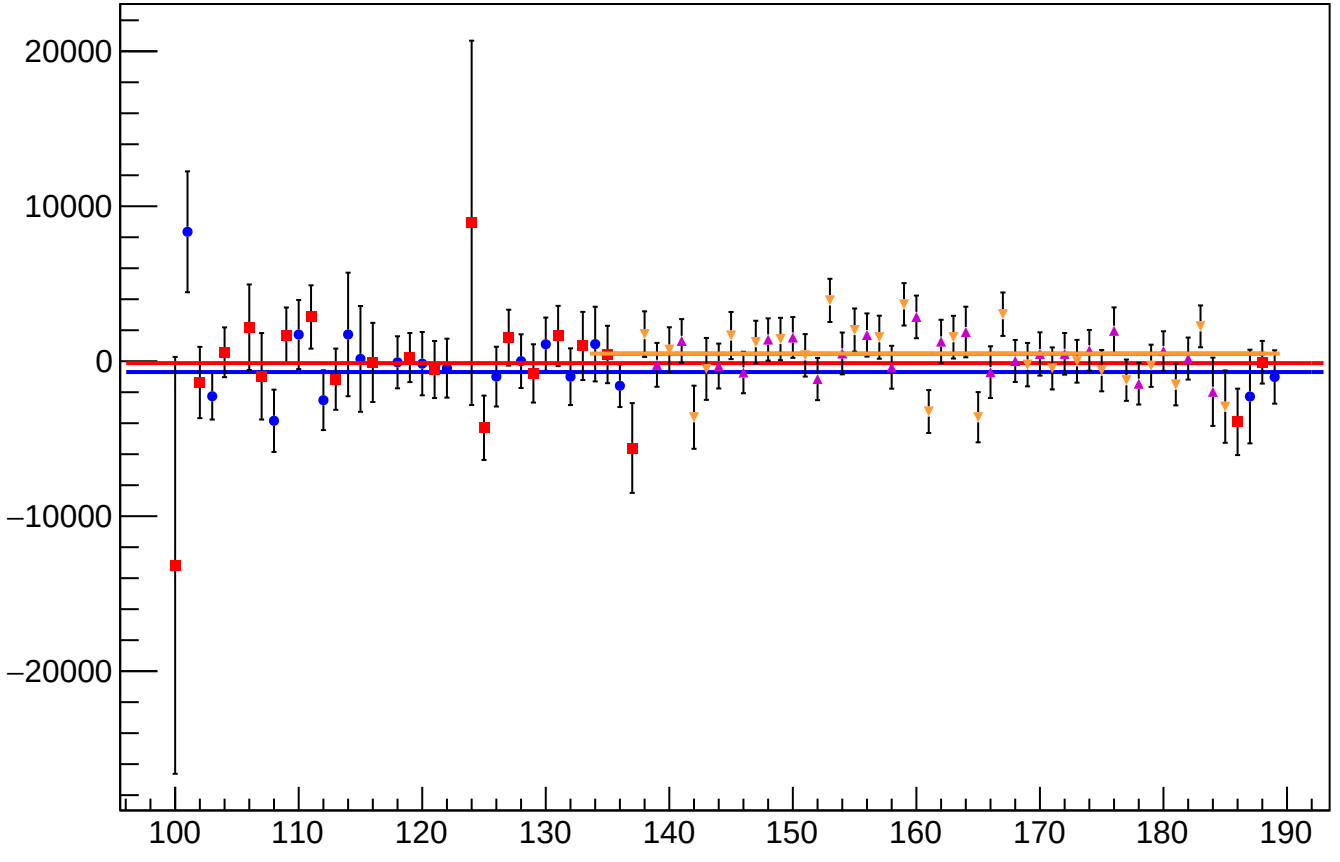
+ sign -0.000+/-0.000 χ^2/NDF: 40.4/42

All: 0.000+/-0.000 χ^2/NDF: 96.2/86

- sign 0.000+/-0.000 χ^2/NDF: 54.0/43


asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3310003.2/17
Left Out: 0.000+/-0.000 χ²/NDF:5077918.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 4411151.0/20
Left In: 0.000+/-0.000 χ²/NDF:3998320.2/22
+ sign 0.000+/-0.000 χ²/NDF: 10877834.8/42
All: 0.000+/-0.000 χ²/NDF: 22095693.4/86
- sign 0.000+/-0.000 χ²/NDF: 11193827.5/43

reg_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -698.032+/-464.513 χ^2/NDF: 14.2/17

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -121.728+/-449.522 χ^2/NDF: 19.2/20

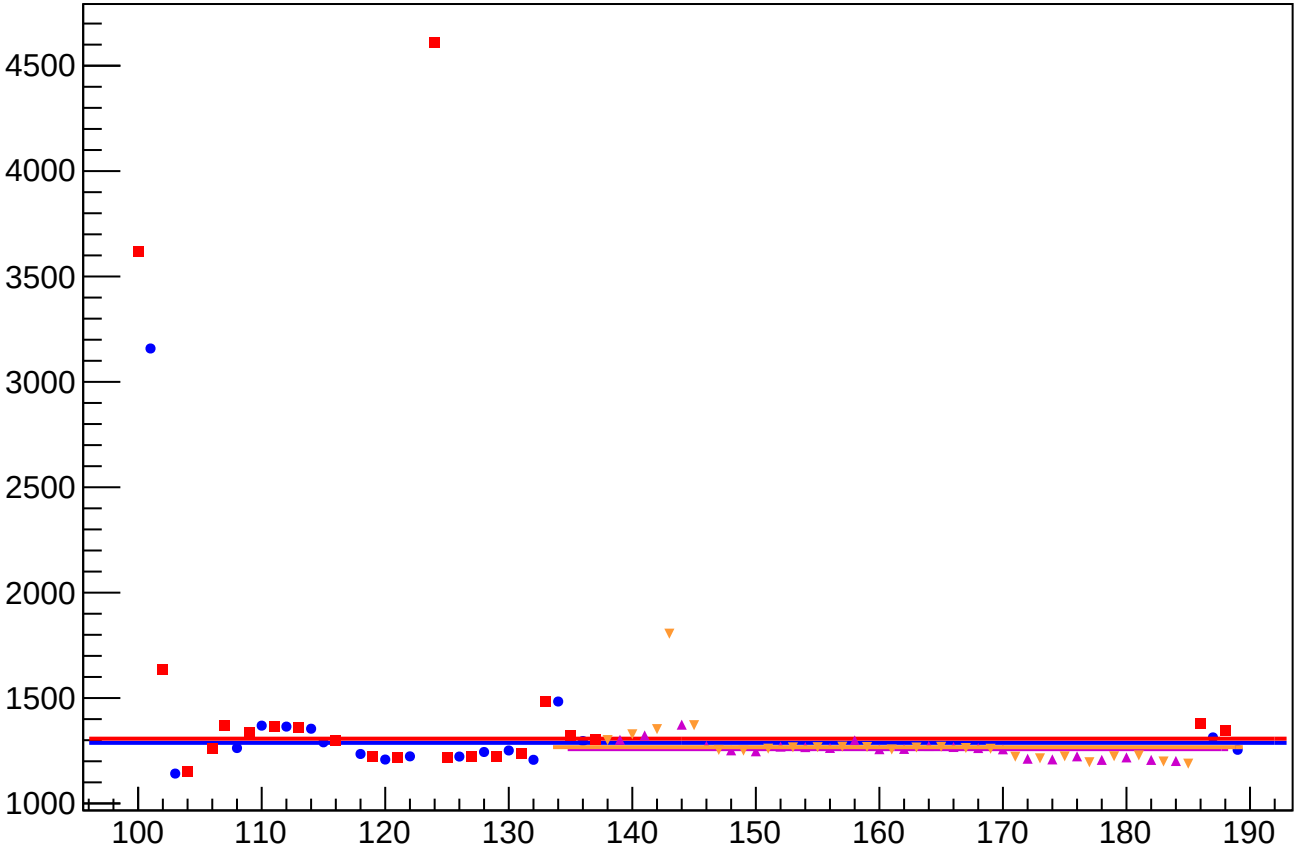
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 160.790+/-245.075 χ^2/NDF: 65.9/42

All: 232.500+/-173.590 χ^2/NDF: 100.9/86

- sign 304.701+/-245.913 χ^2/NDF: 34.9/43

reg_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1287.477+/-0.328 χ^2/NDF: 515590.8/17

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

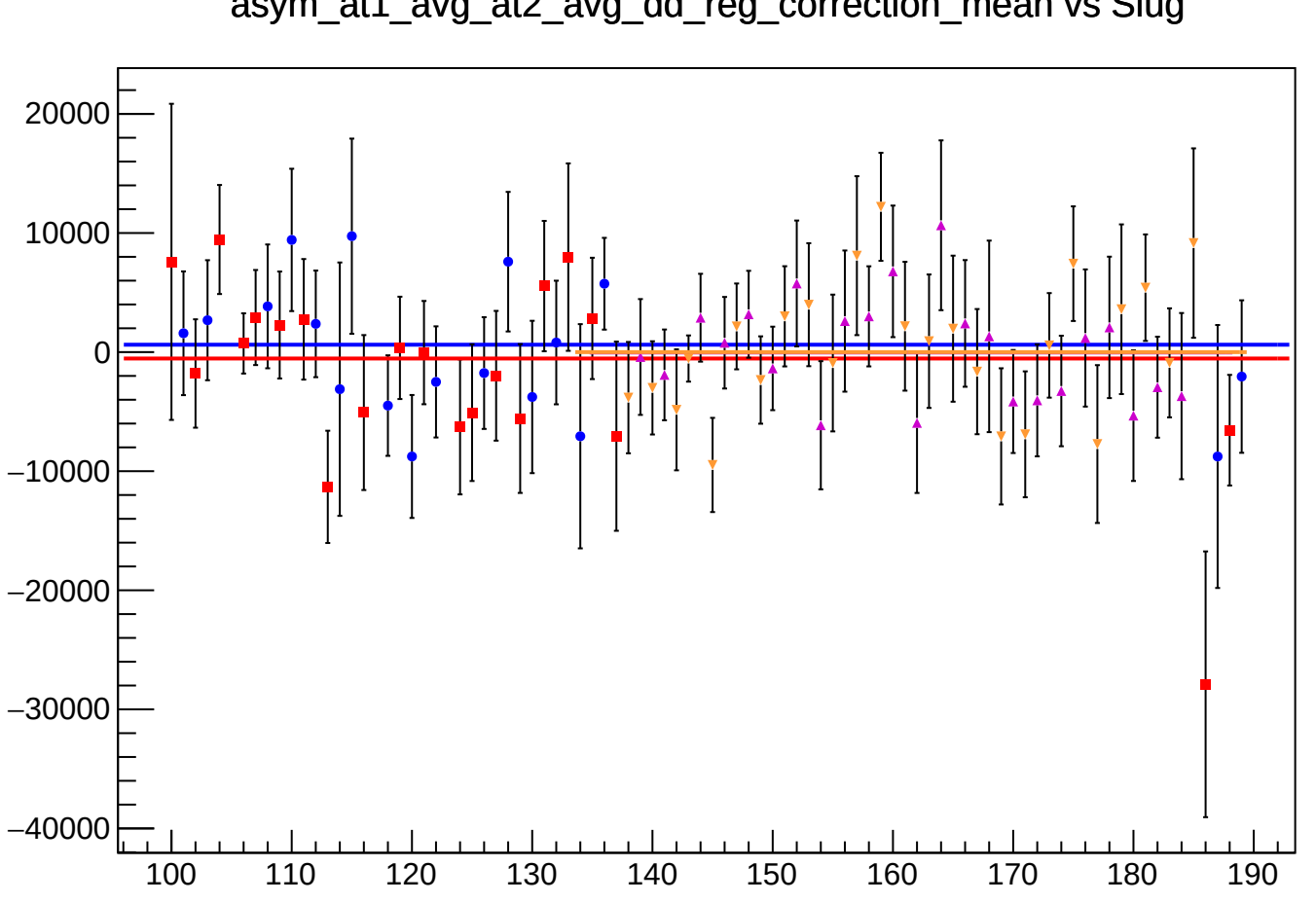
Right Out: 1307.259+/-0.317 χ^2/NDF: 323856.3/20

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1272.677+/-0.173 χ^2/NDF: 705950.0/42

All: 1272.575+/-0.123 χ^2/NDF: 1083813.7/86

- sign 1272.474+/-0.174 χ^2/NDF: 377863.0/43



Right In: 620.492+/-1288.899 χ^2/NDF: 15.0/17

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

Right Out: -538.329+/-1075.559 χ^2/NDF: 26.4/20

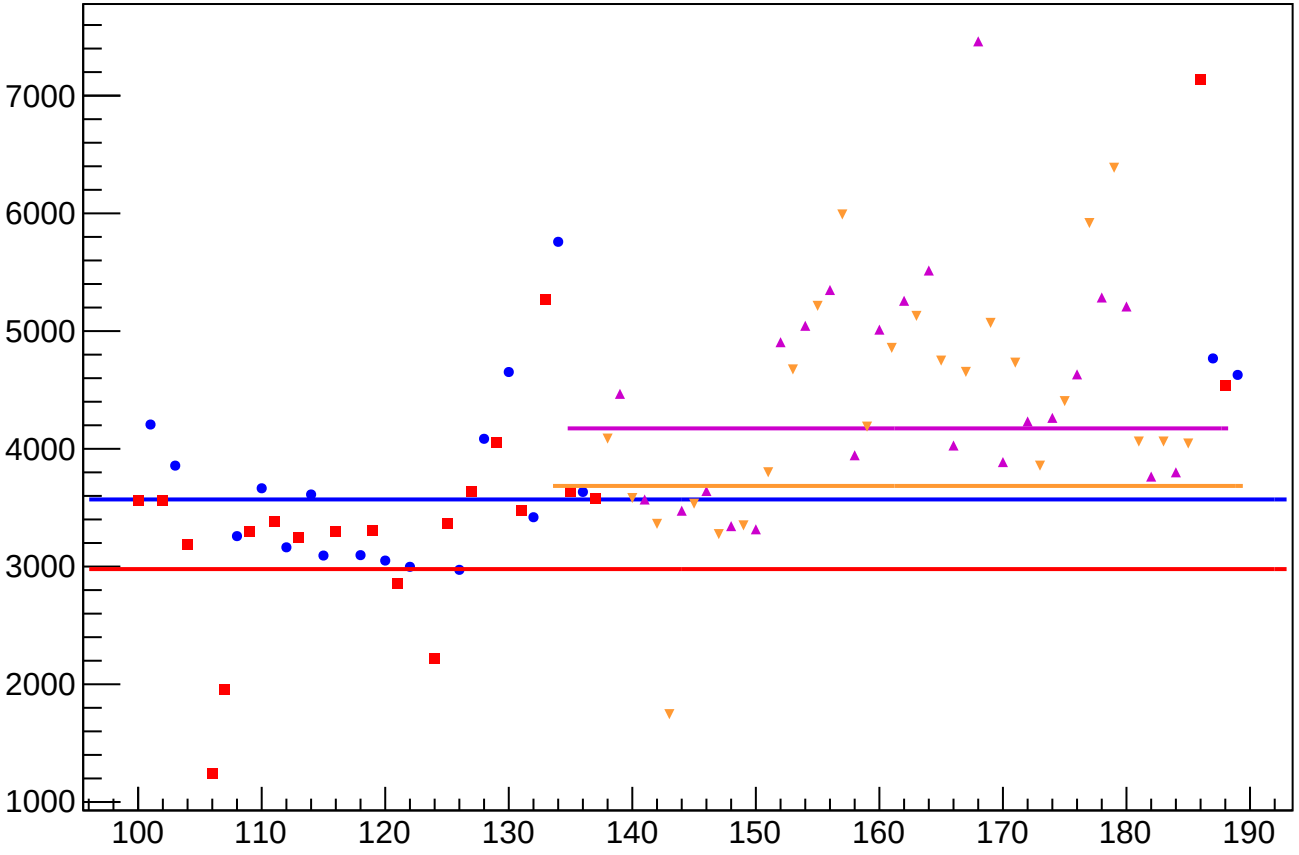
Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign 198.853+/-730.405 χ^2/NDF: 44.2/42

All: -33.215+/-516.519 χ^2/NDF: 84.9/86

- sign -265.363+/-730.530 χ^2/NDF: 40.5/43

asym_at1_avg_at2_avg_dd_reg_correction_rms vs Slug



Right In: 3569.977+/-0.911 χ^2/NDF: 436578.6/17

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 2978.438+/-0.761 χ^2/NDF: 2031137.2/20

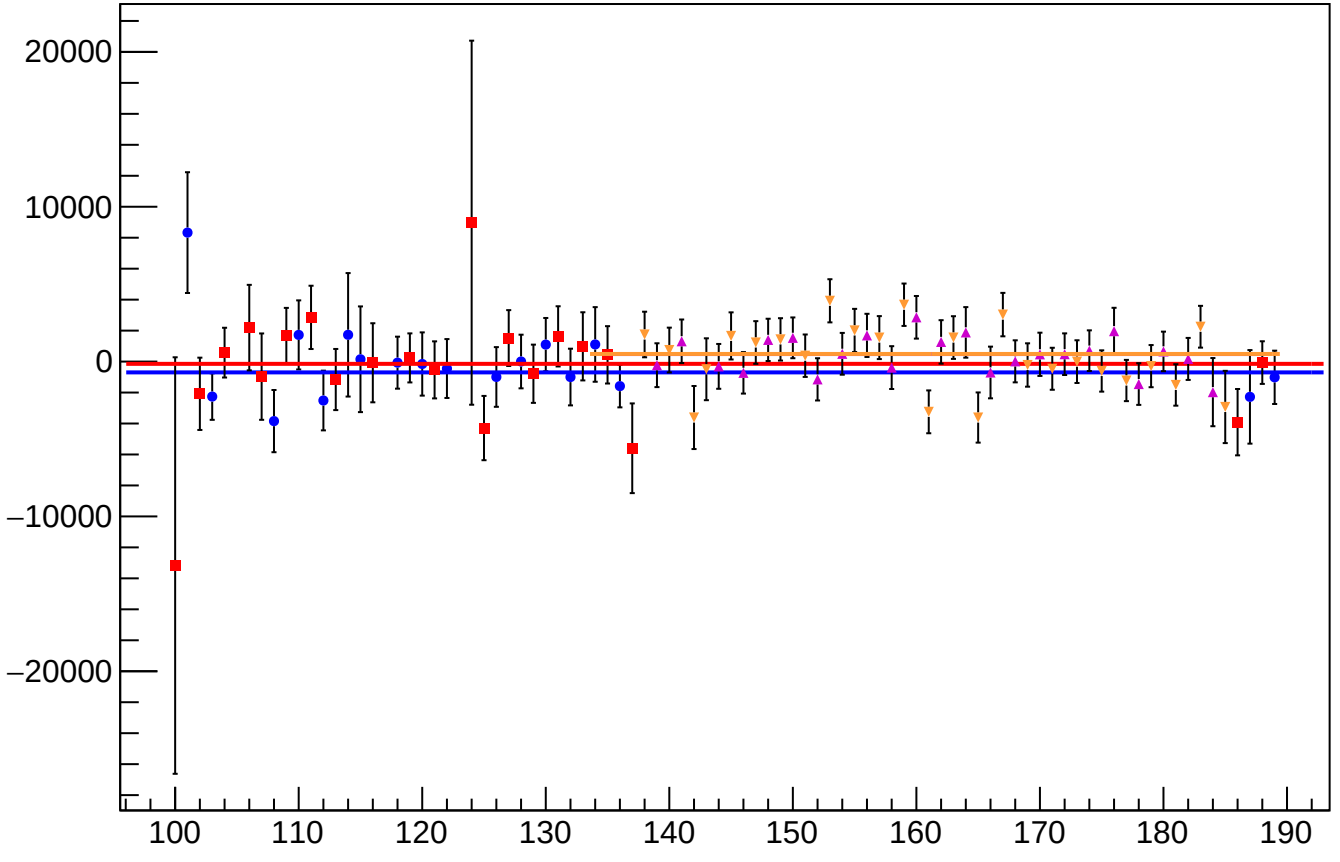
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3647.905+/-0.516 χ^2/NDF: 4140994.7/42

All: 3635.063+/-0.365 χ^2/NDF: 8778514.3/86

- sign 3622.217+/-0.517 χ^2/NDF: 4636283.0/43

cor_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -698.399+/-464.513 χ^2/NDF: 14.2/17

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -146.579+/-449.775 χ^2/NDF: 19.6/20

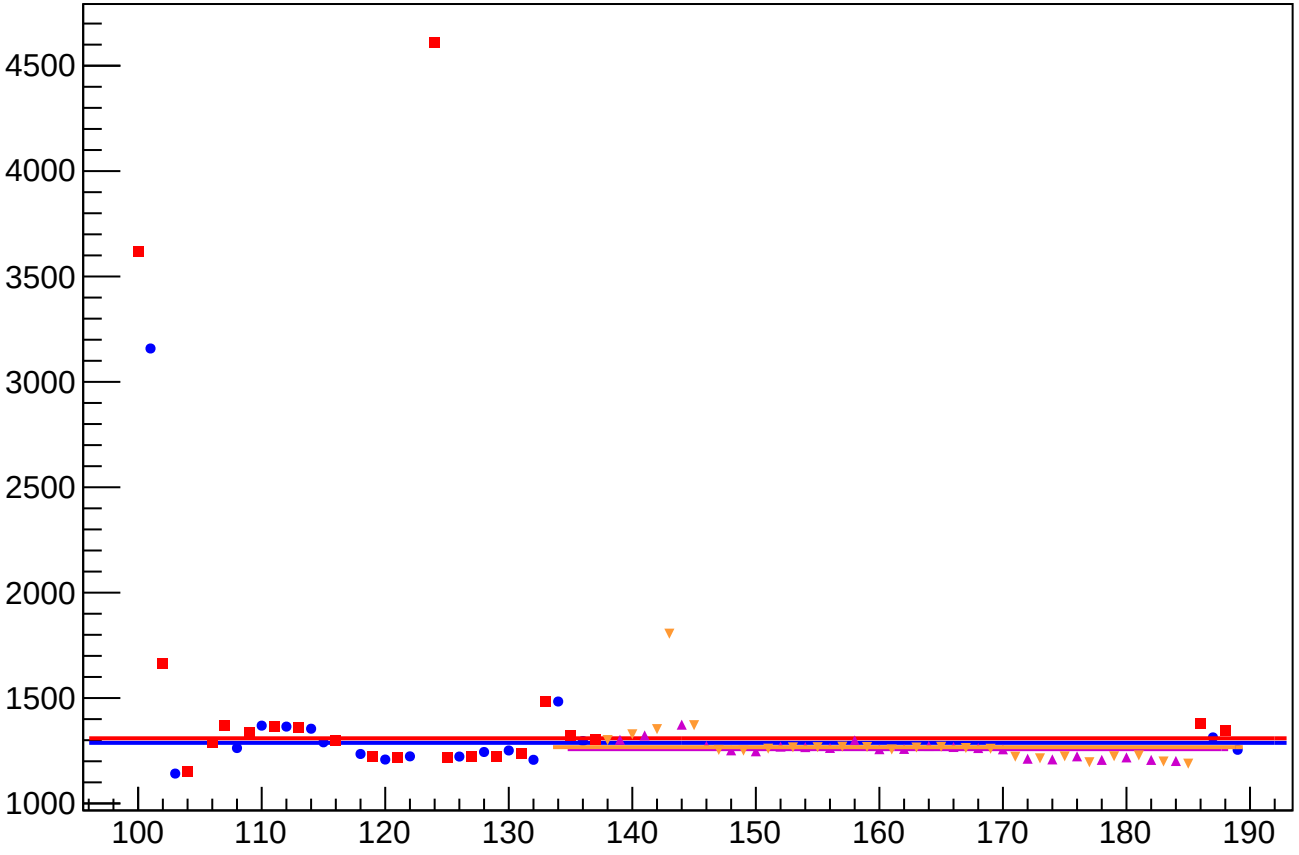
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 160.700+/-245.075 χ^2/NDF: 65.8/42

All: 228.777+/-173.604 χ^2/NDF: 101.4/86

- sign 297.343+/-245.954 χ^2/NDF: 35.4/43

cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1287.477+/-0.328 χ^2/NDF: 515592.2/17

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

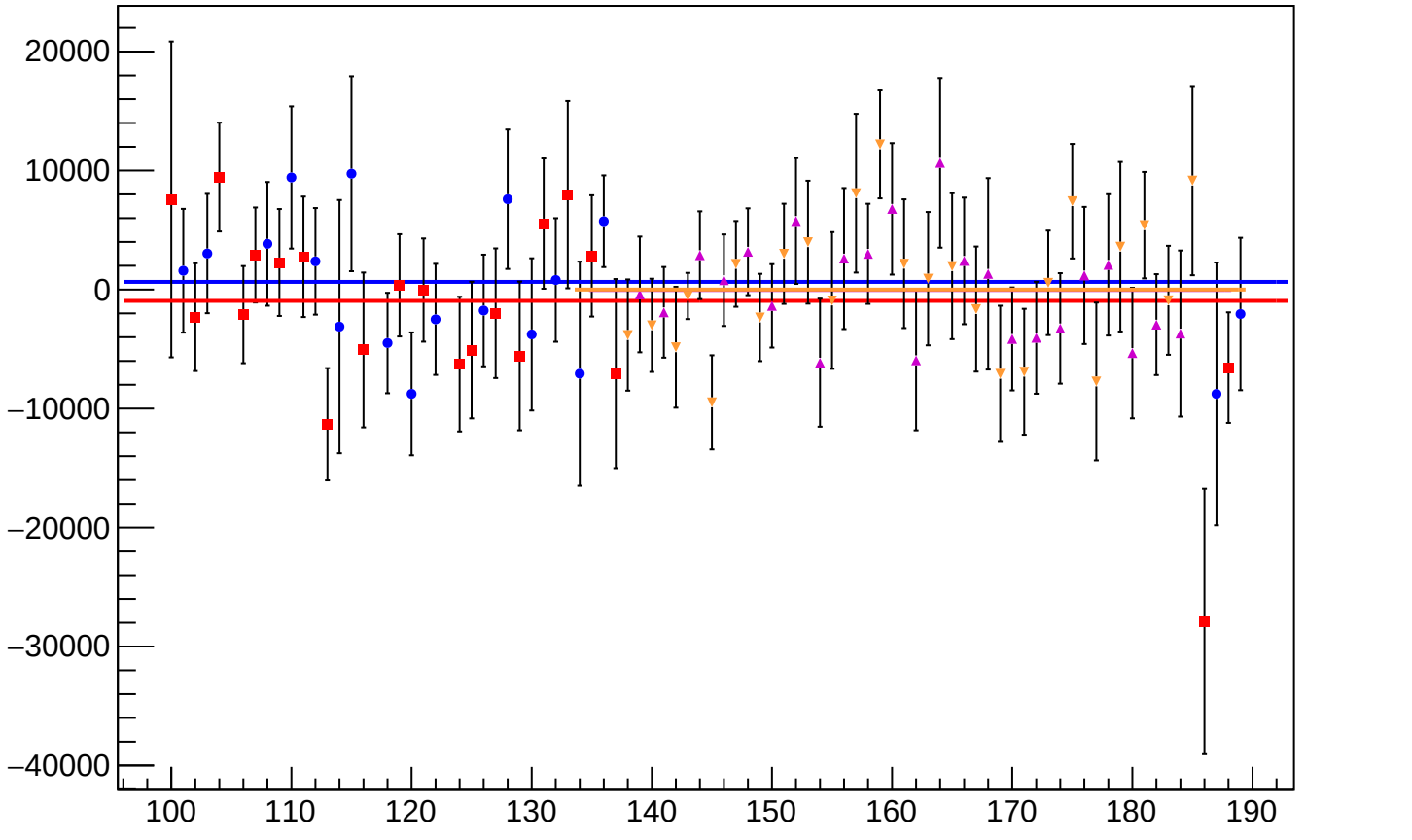
Right Out: 1309.004+/-0.318 χ^2/NDF: 330097.7/20

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1272.676+/-0.173 χ^2/NDF: 705951.4/42

All: 1272.823+/-0.123 χ^2/NDF: 1091253.6/86

- sign 1272.971+/-0.174 χ^2/NDF: 385300.7/43



Right In: 644.987+/-1288.480 χ^2/NDF: 15.0/17

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

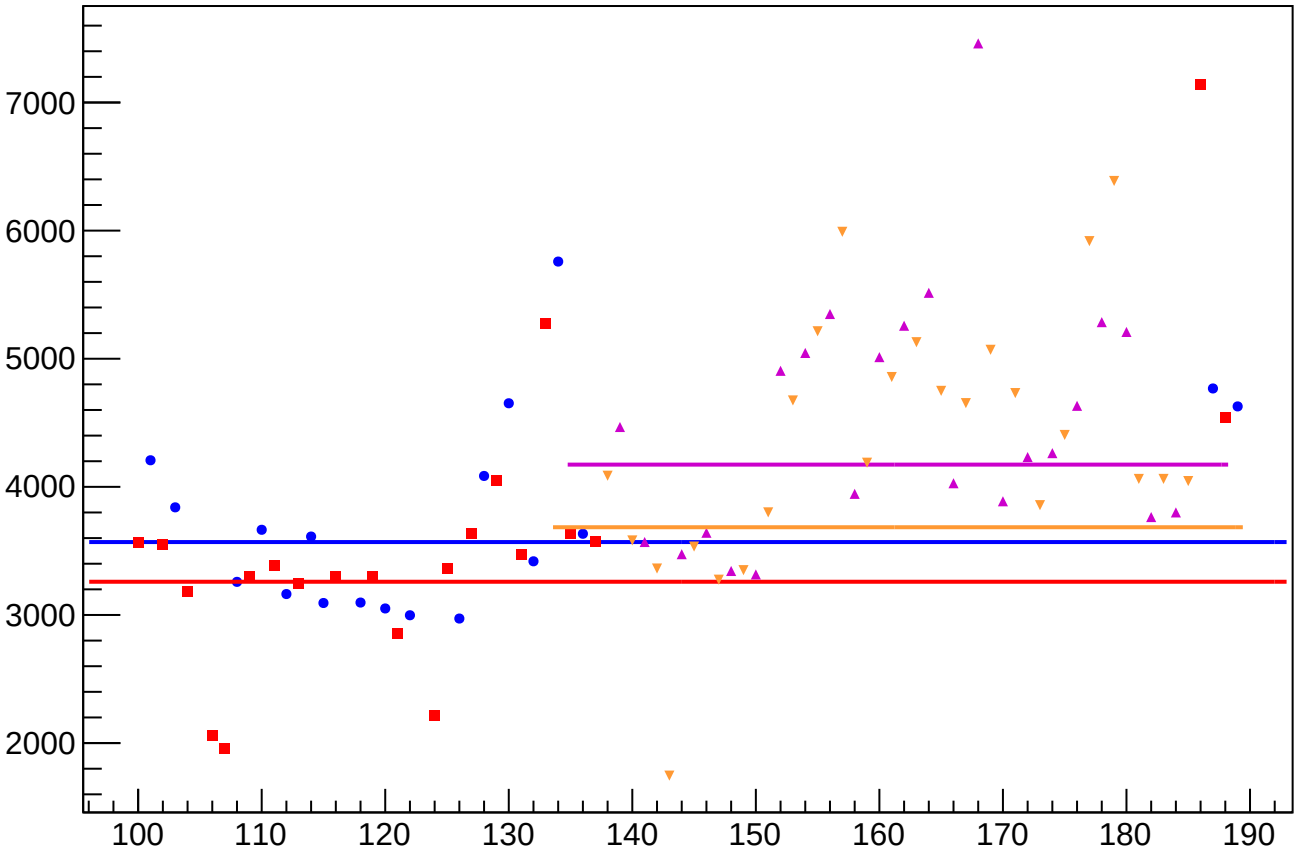
Right Out: -950.718+/-1140.555 χ^2/NDF: 26.2/20

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 206.853+/-730.329 χ^2/NDF: 44.2/42

All: -102.634+/-523.214 χ^2/NDF: 85.3/86

- sign -428.959+/-749.934 χ^2/NDF: 40.6/43



Right In: 3569.073+/-0.911 χ^2/NDF: 435971.5/17

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

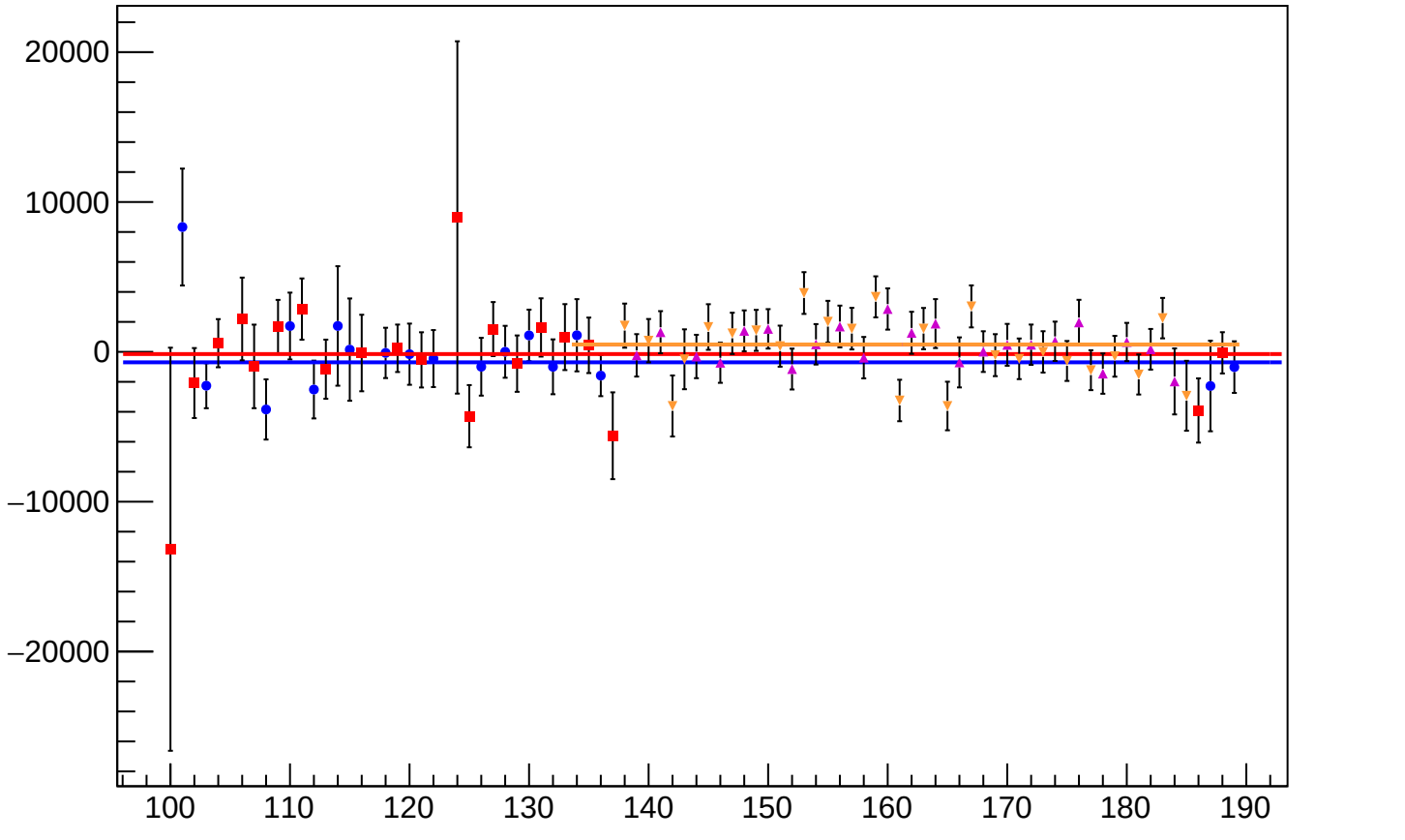
Right Out: 3259.310+/-0.806 χ^2/NDF: 1066399.1/20

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3647.593+/-0.516 χ^2/NDF: 4140602.0/42

All: 3711.215+/-0.370 χ^2/NDF: 7242633.3/86

- sign 3778.298+/-0.530 χ^2/NDF: 3070850.5/43



Right In: -698.399+/-464.513 χ^2/NDF: 14.2/17

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -146.579+/-449.775 χ^2/NDF: 19.6/20

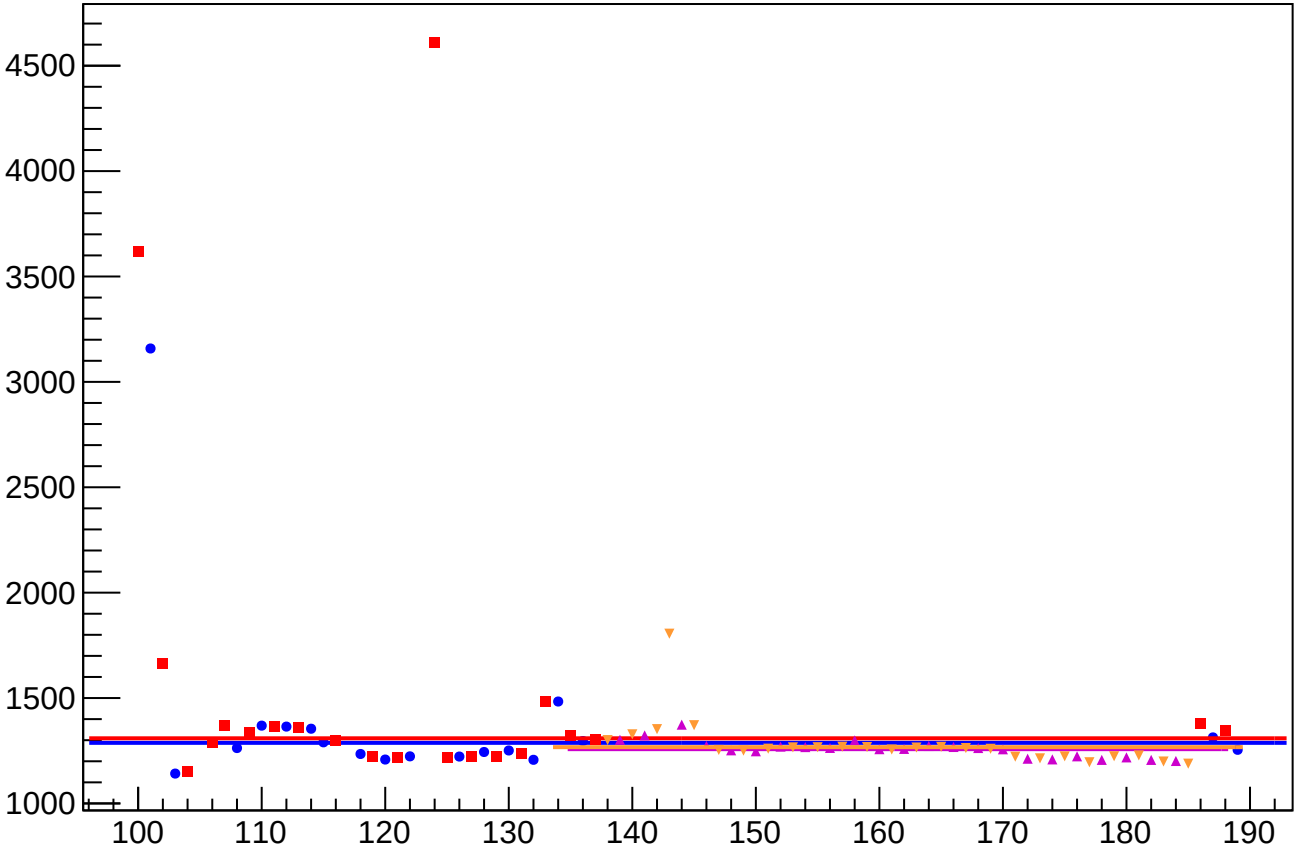
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 160.700+/-245.075 χ^2/NDF: 65.8/42

All: 228.777+/-173.604 χ^2/NDF: 101.4/86

- sign 297.343+/-245.954 χ^2/NDF: 35.4/43

eigen_cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1287.477+/-0.328 χ^2/NDF: 515592.2/17

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

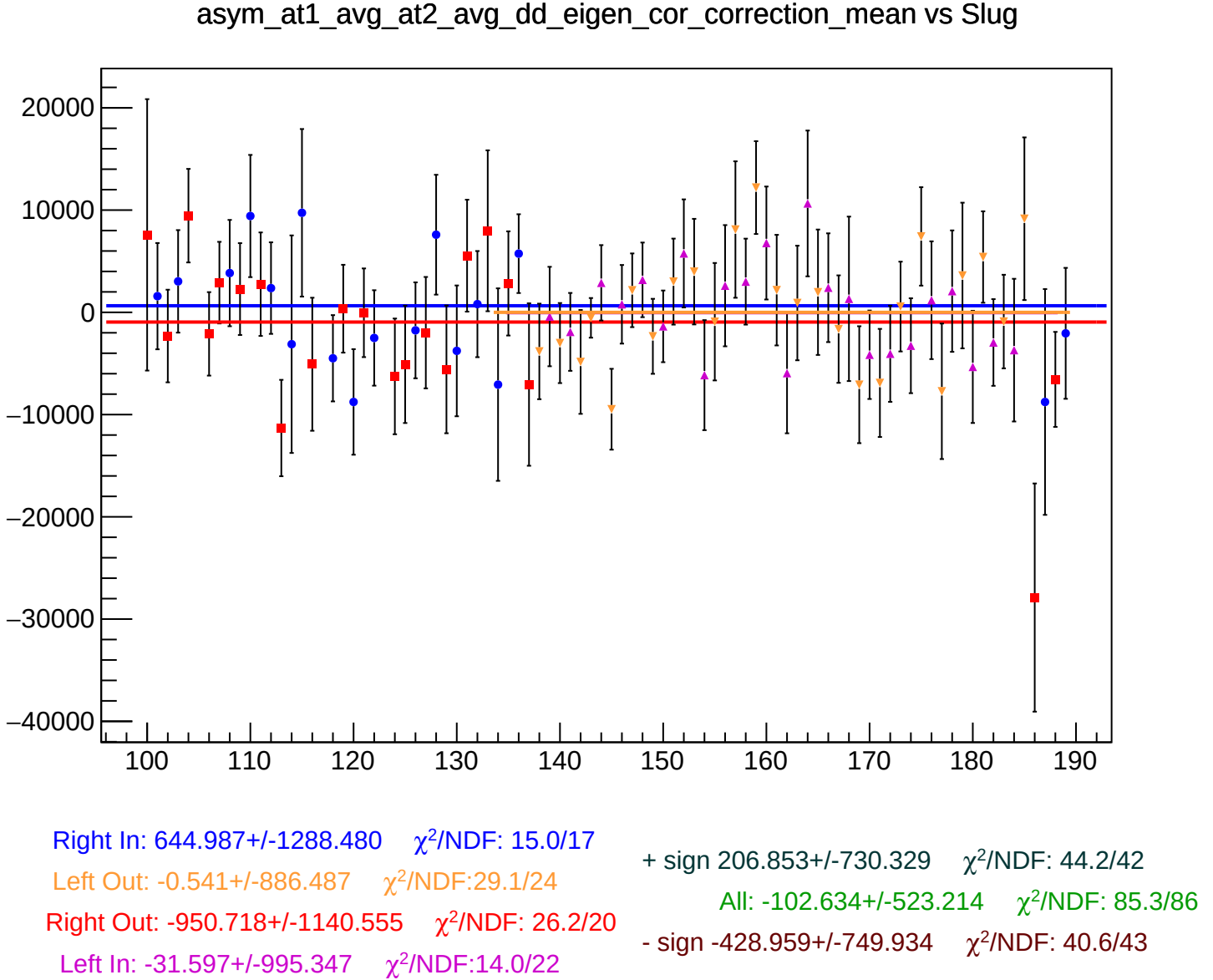
Right Out: 1309.004+/-0.318 χ^2/NDF: 330097.7/20

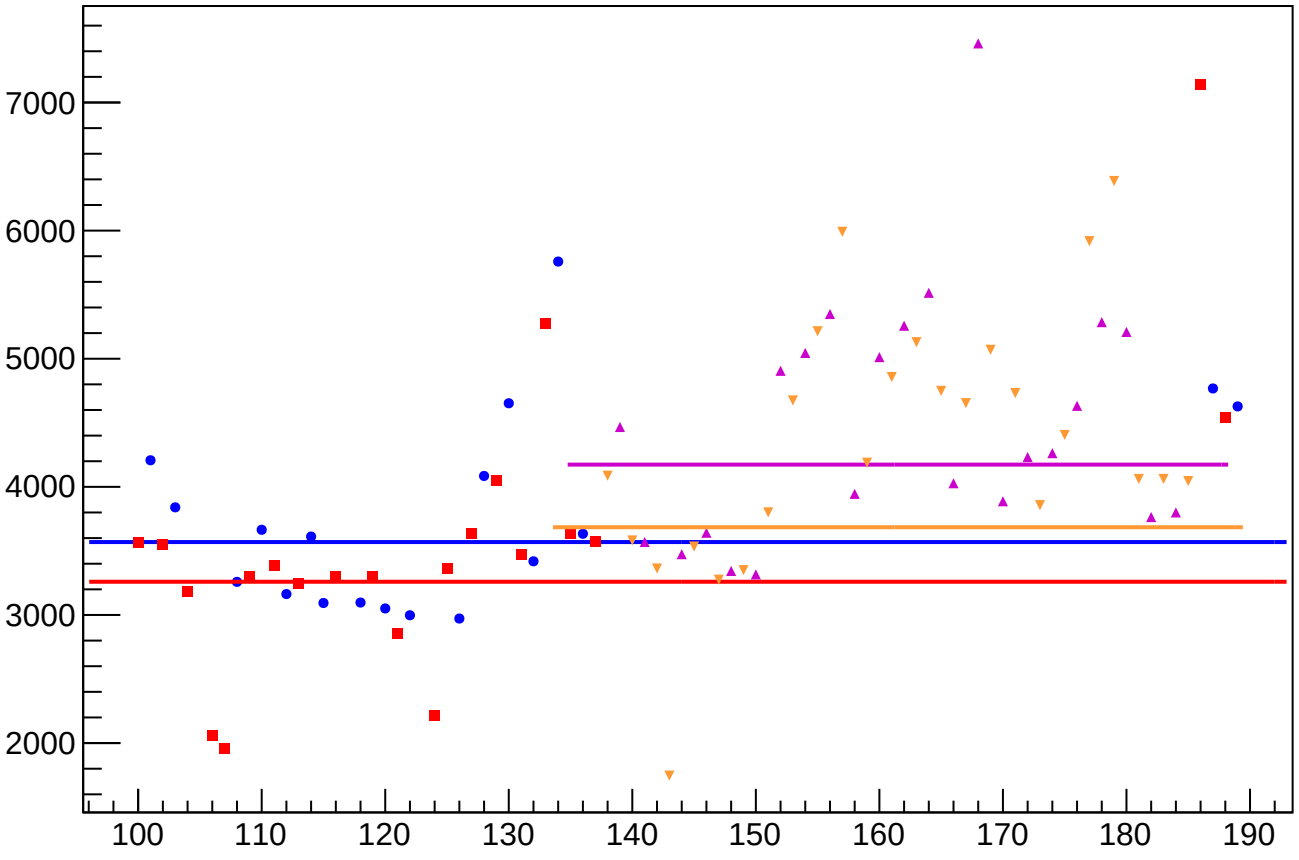
Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1272.676+/-0.173 χ^2/NDF: 705951.4/42

All: 1272.823+/-0.123 χ^2/NDF: 1091253.6/86

- sign 1272.971+/-0.174 χ^2/NDF: 385300.7/43


asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: 644.987+/-1288.480 χ²/NDF: 15.0/17
Left Out: -0.541+/-886.487 χ²/NDF:29.1/24
Right Out: -950.718+/-1140.555 χ²/NDF: 26.2/20
Left In: -31.597+/-995.347 χ²/NDF:14.0/22
+ sign 206.853+/-730.329 χ²/NDF: 44.2/42
All: -102.634+/-523.214 χ²/NDF: 85.3/86
- sign -428.959+/-749.934 χ²/NDF: 40.6/43



Right In: 3569.073+/-0.911 χ^2/NDF: 435971.5/17

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3259.310+/-0.806 χ^2/NDF: 1066399.1/20

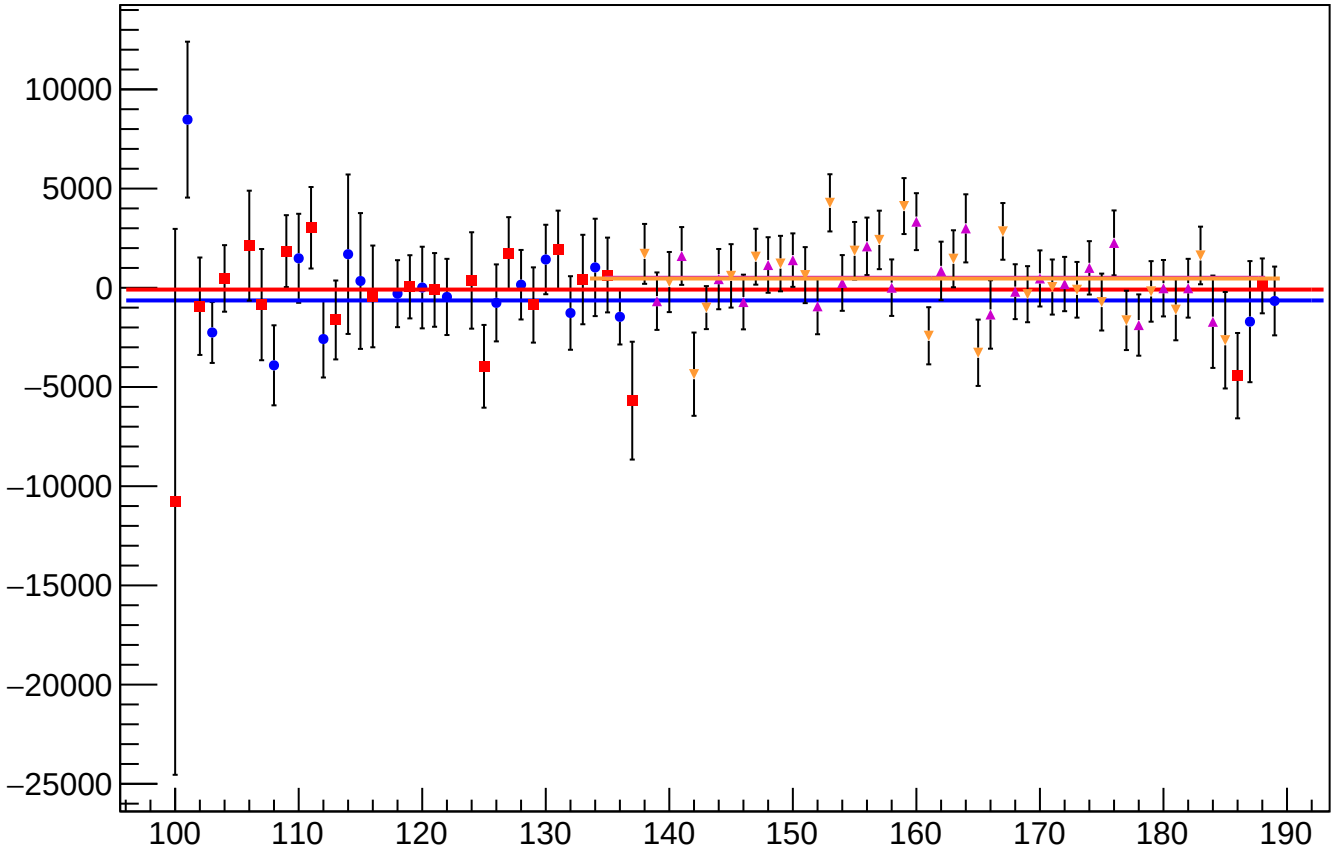
Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3647.593+/-0.516 χ^2/NDF: 4140602.0/42

All: 3711.215+/-0.370 χ^2/NDF: 7242633.3/86

- sign 3778.298+/-0.530 χ^2/NDF: 3070850.5/43

dit_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -637.990+/-469.578 χ^2/NDF: 14.2/17

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -89.620+/-448.080 χ^2/NDF: 19.1/20

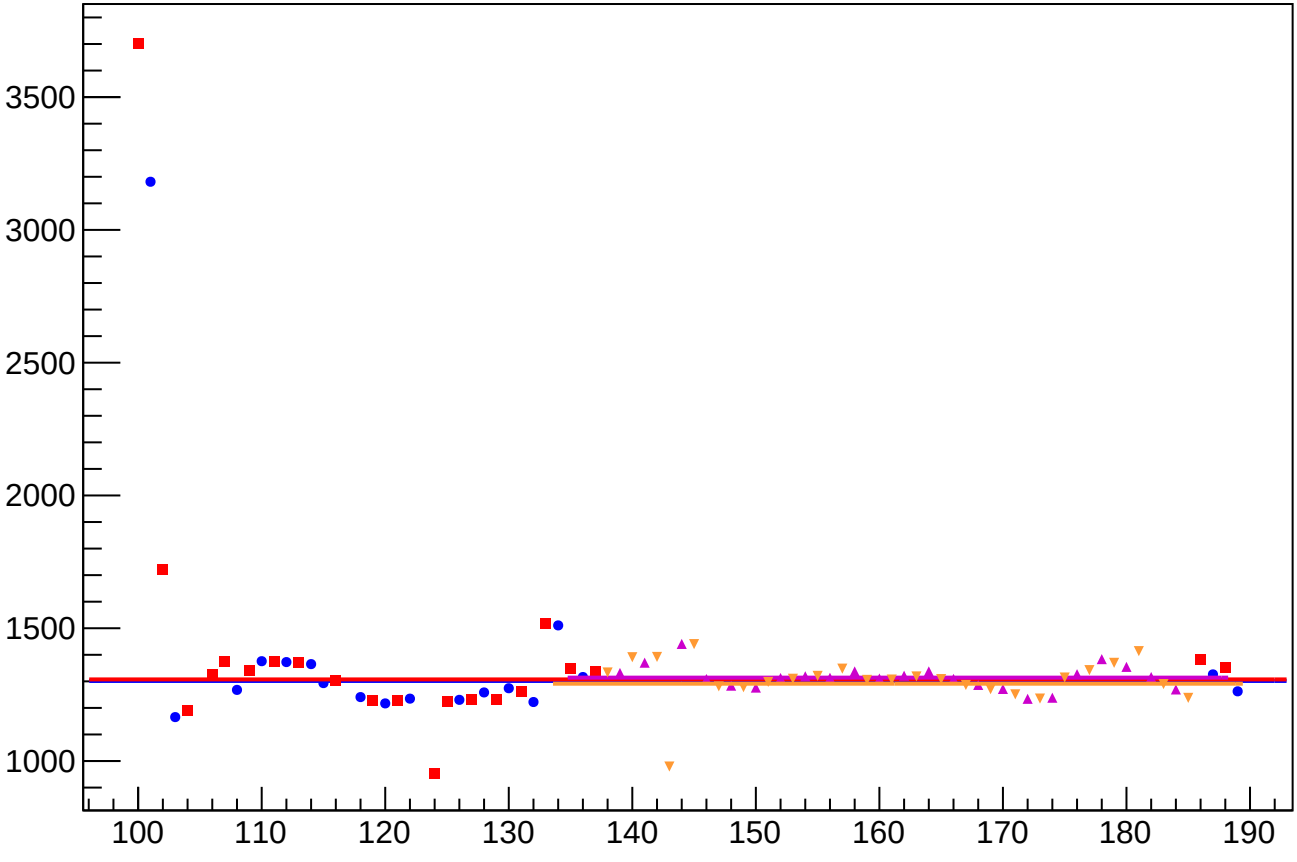
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

\+ sign 156.104+/-249.345 χ^2/NDF: 62.3/42

All: 233.820+/-177.692 χ^2/NDF: 100.3/86

\- sign 314.014+/-253.290 χ^2/NDF: 37.7/43

dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1301.572+/-0.332 χ^2/NDF: 511789.7/17

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

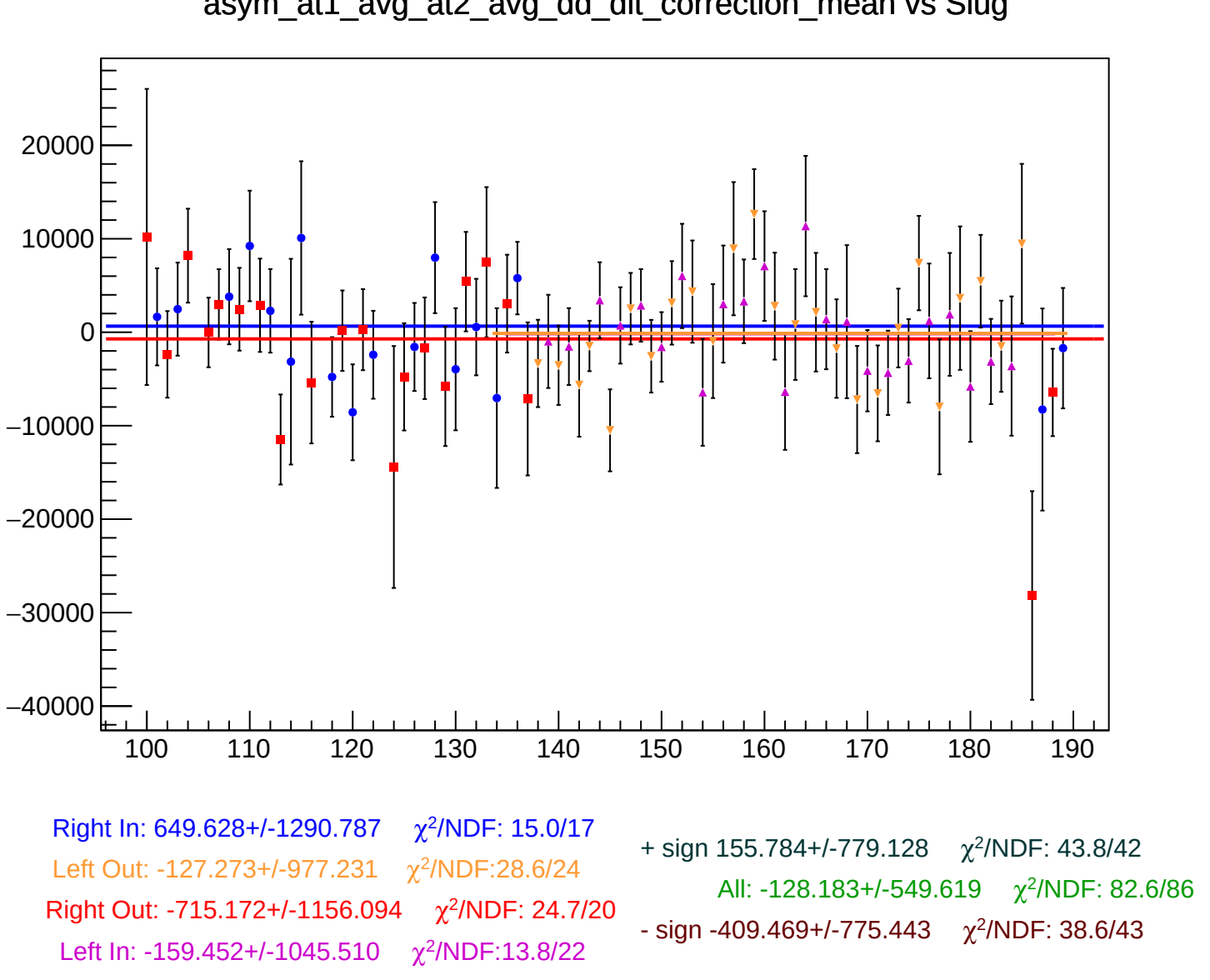
Right Out: 1307.323+/-0.317 χ^2/NDF: 218583.3/20

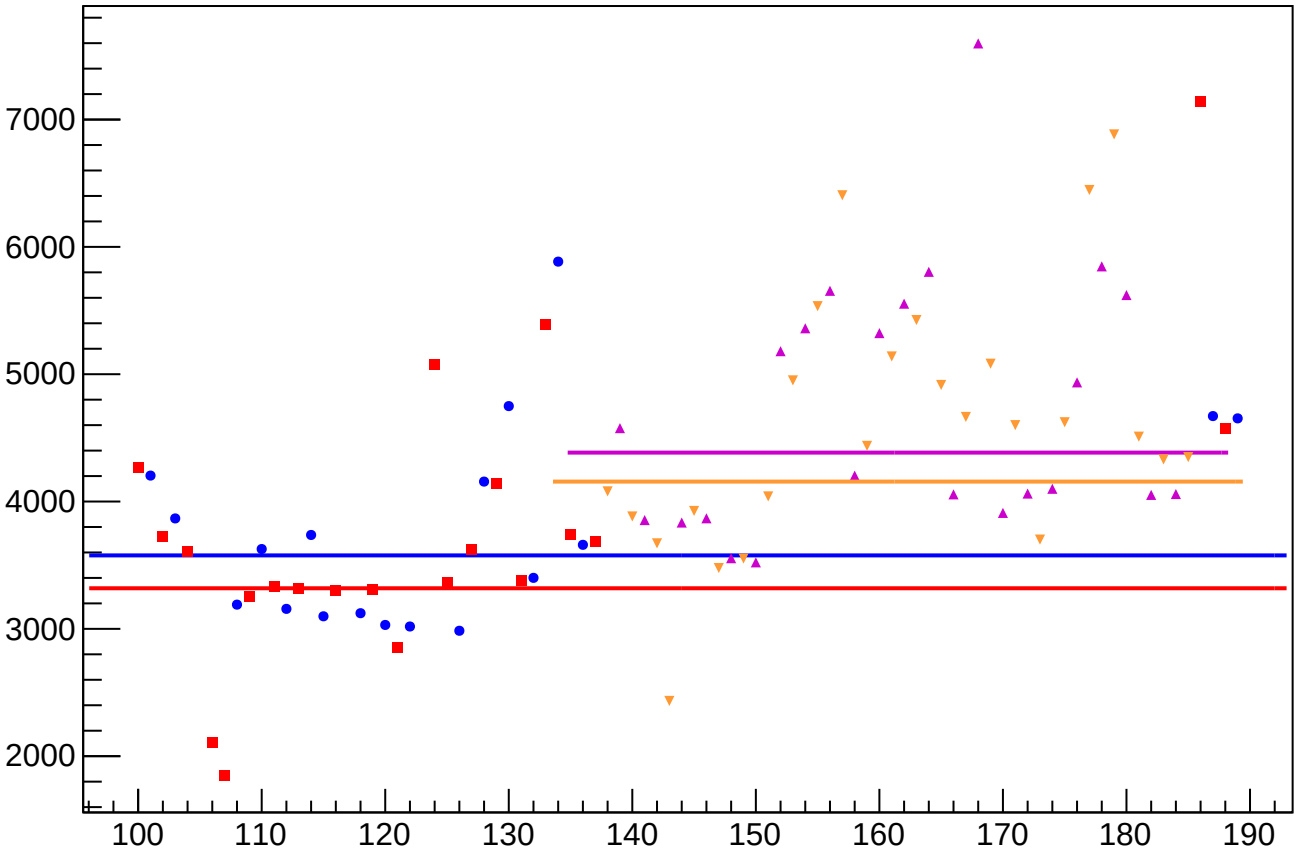
Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1294.132+/-0.176 χ^2/NDF: 743224.0/42

All: 1302.863+/-0.126 χ^2/NDF: 1010136.4/86

- sign 1311.869+/-0.179 χ^2/NDF: 261931.0/43


asym_at1_avg_at2_avg_dd_dit_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: 649.628+/-1290.787 χ²/NDF: 15.0/17
Left Out: -127.273+/-977.231 χ²/NDF:28.6/24
Right Out: -715.172+/-1156.094 χ²/NDF: 24.7/20
Left In: -159.452+/-1045.510 χ²/NDF:13.8/22
+ sign 155.784+/-779.128 χ²/NDF: 43.8/42
All: -128.183+/-549.619 χ²/NDF: 82.6/86
- sign -409.469+/-775.443 χ²/NDF: 38.6/43



Right In: 3576.938+/-0.913 χ^2/NDF: 455785.3/17

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

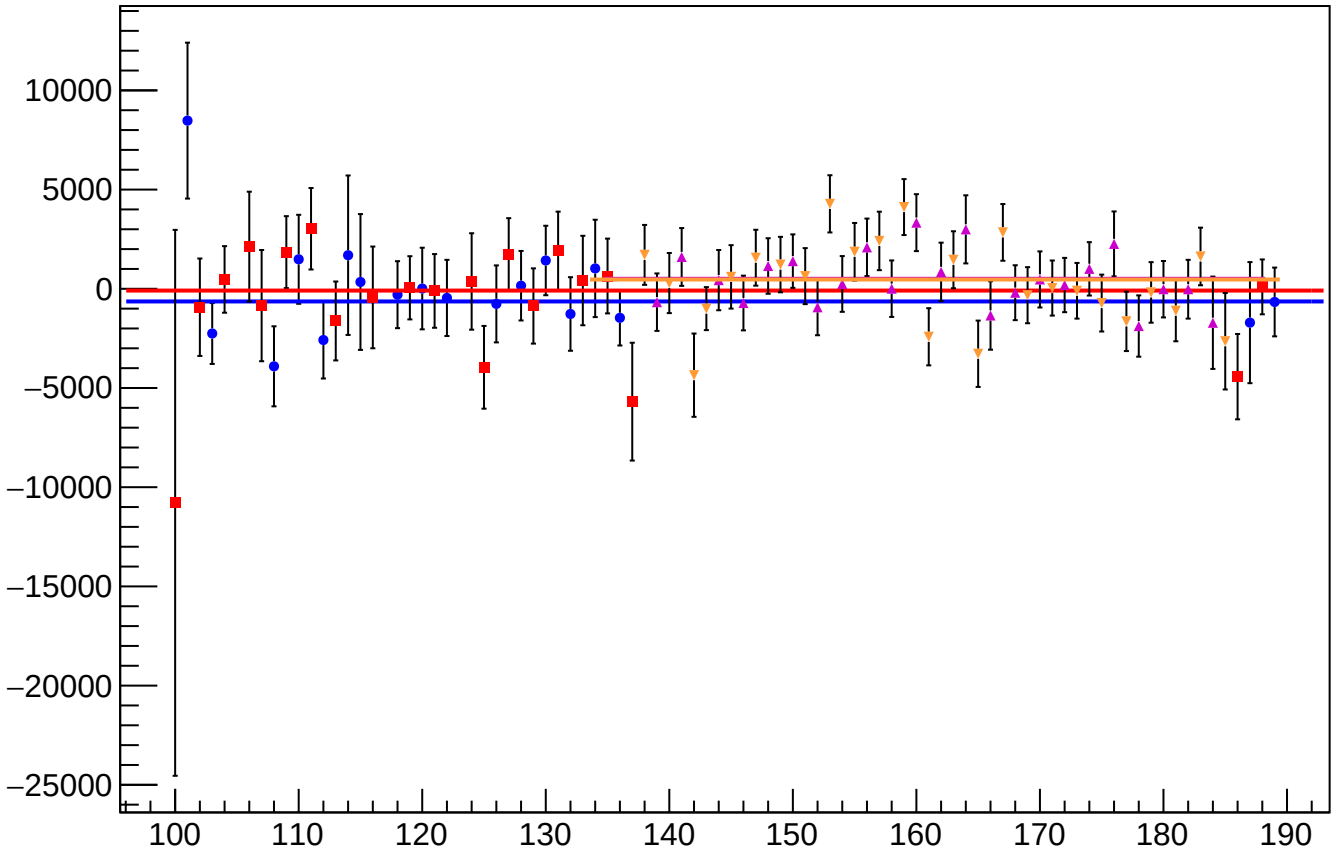
Right Out: 3318.797+/-0.817 χ^2/NDF: 1172344.7/20

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 3945.393+/-0.551 χ^2/NDF: 2792920.9/42

All: 3925.074+/-0.389 χ^2/NDF: 6158021.3/86

- sign 3904.946+/-0.548 χ^2/NDF: 3362392.6/43



Right In: -637.994+/-469.578 χ^2/NDF: 14.2/17

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -89.613+/-448.080 χ^2/NDF: 19.1/20

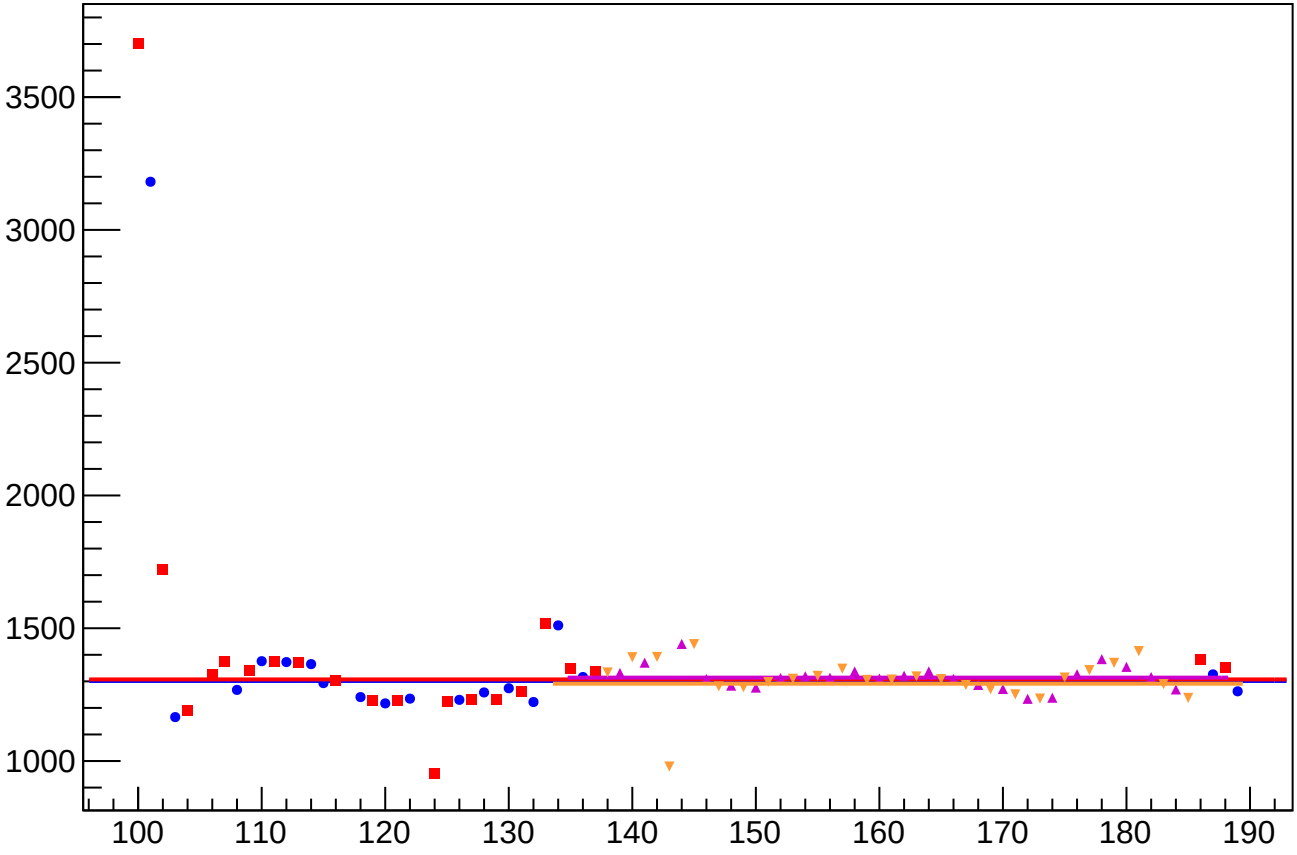
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 156.106+/-249.346 χ^2/NDF: 62.3/42

All: 233.822+/-177.692 χ^2/NDF: 100.3/86

- sign 314.016+/-253.290 χ^2/NDF: 37.7/43

eigen_dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1301.572+/-0.332 χ^2/NDF: 511789.8/17

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

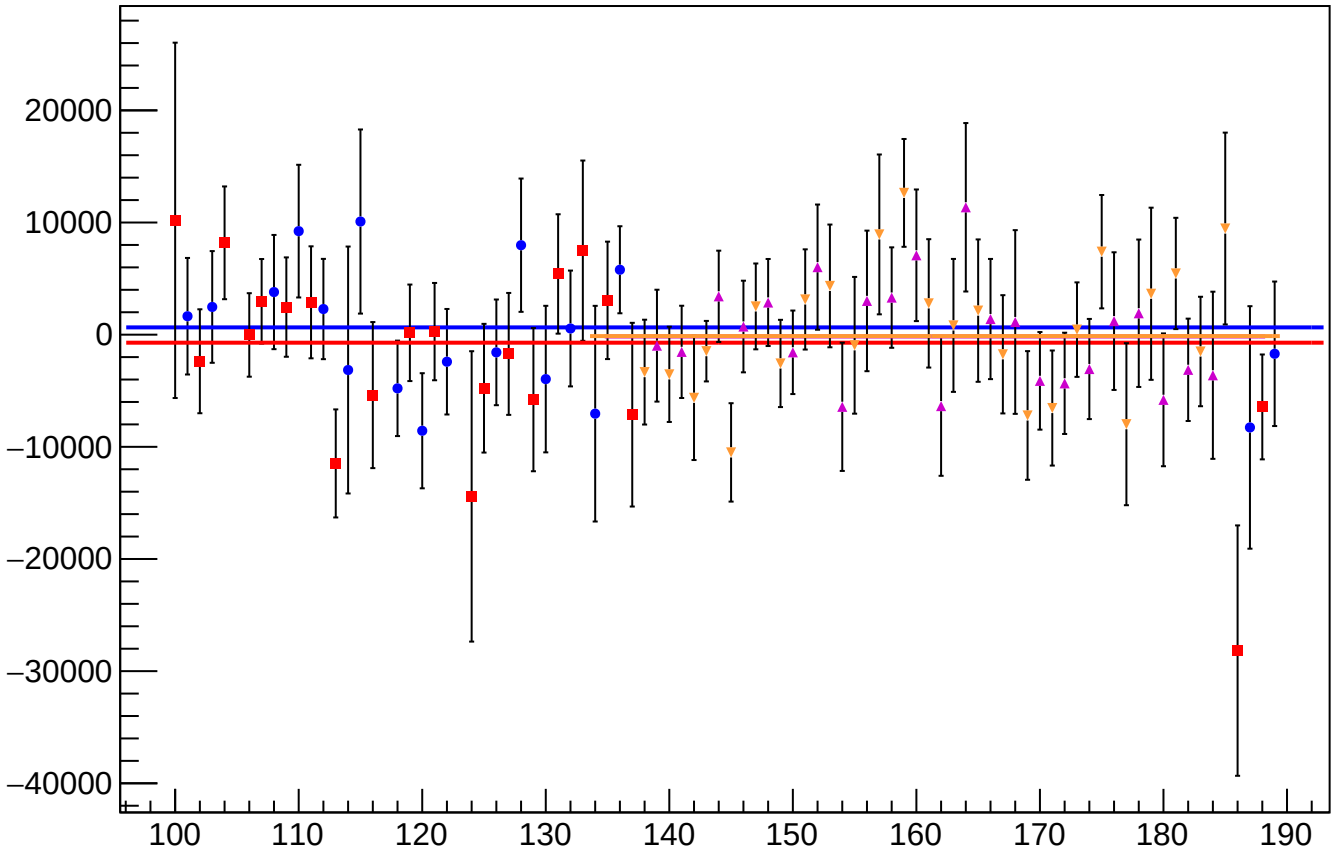
Right Out: 1307.323+/-0.317 χ^2/NDF: 218583.4/20

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1294.133+/-0.176 χ^2/NDF: 743226.4/42

All: 1302.864+/-0.126 χ^2/NDF: 1010141.1/86

- sign 1311.870+/-0.179 χ^2/NDF: 261933.3/43



Right In: 649.619+/-1290.784 χ^2/NDF: 15.0/17

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

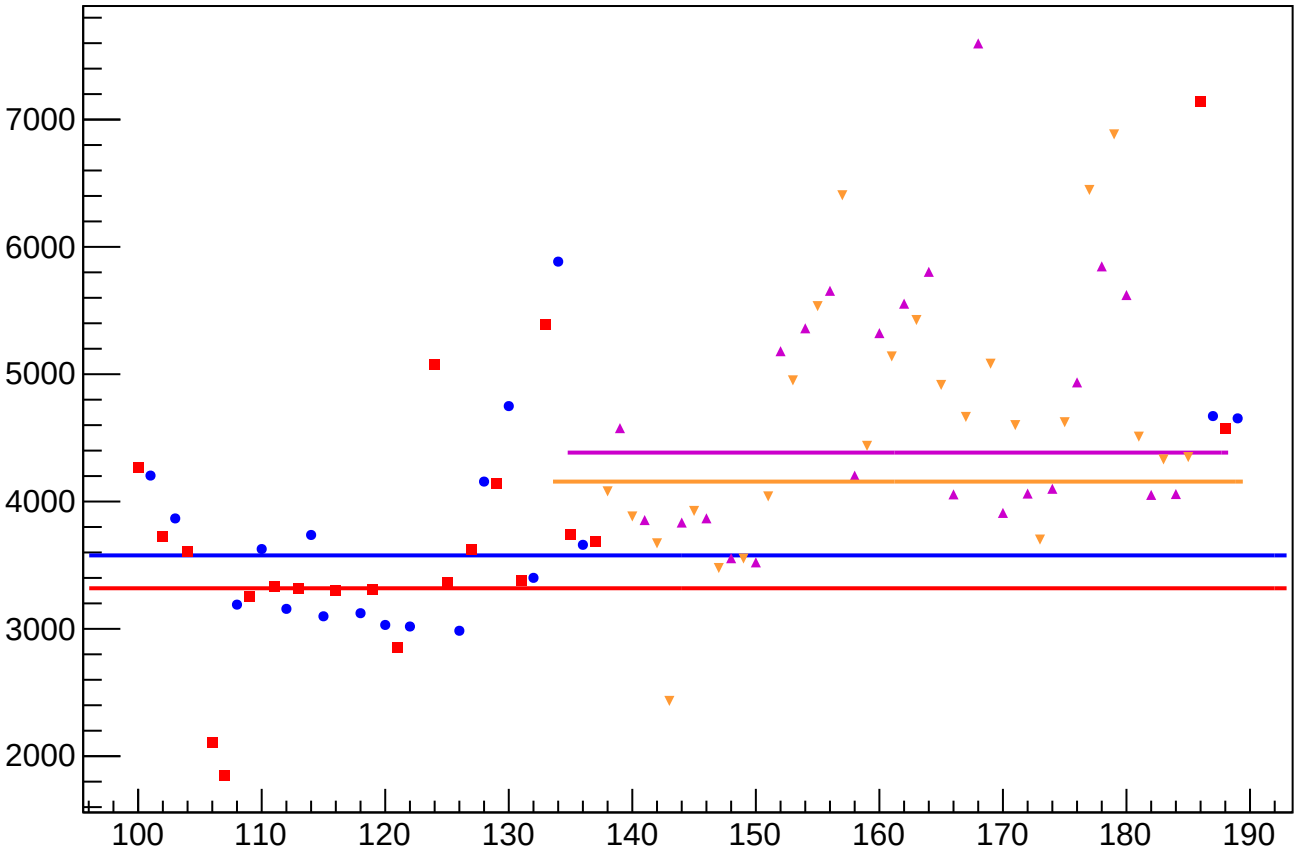
Right Out: -715.165+/-1156.092 χ^2/NDF: 24.7/20

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign 155.784+/-779.129 χ^2/NDF: 43.8/42

All: -128.182+/-549.619 χ^2/NDF: 82.6/86

- sign -409.468+/-775.443 χ^2/NDF: 38.6/43



Right In: 3576.930+/-0.913 χ^2/NDF: 455791.5/17

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3318.790+/-0.817 χ^2/NDF: 1172350.5/20

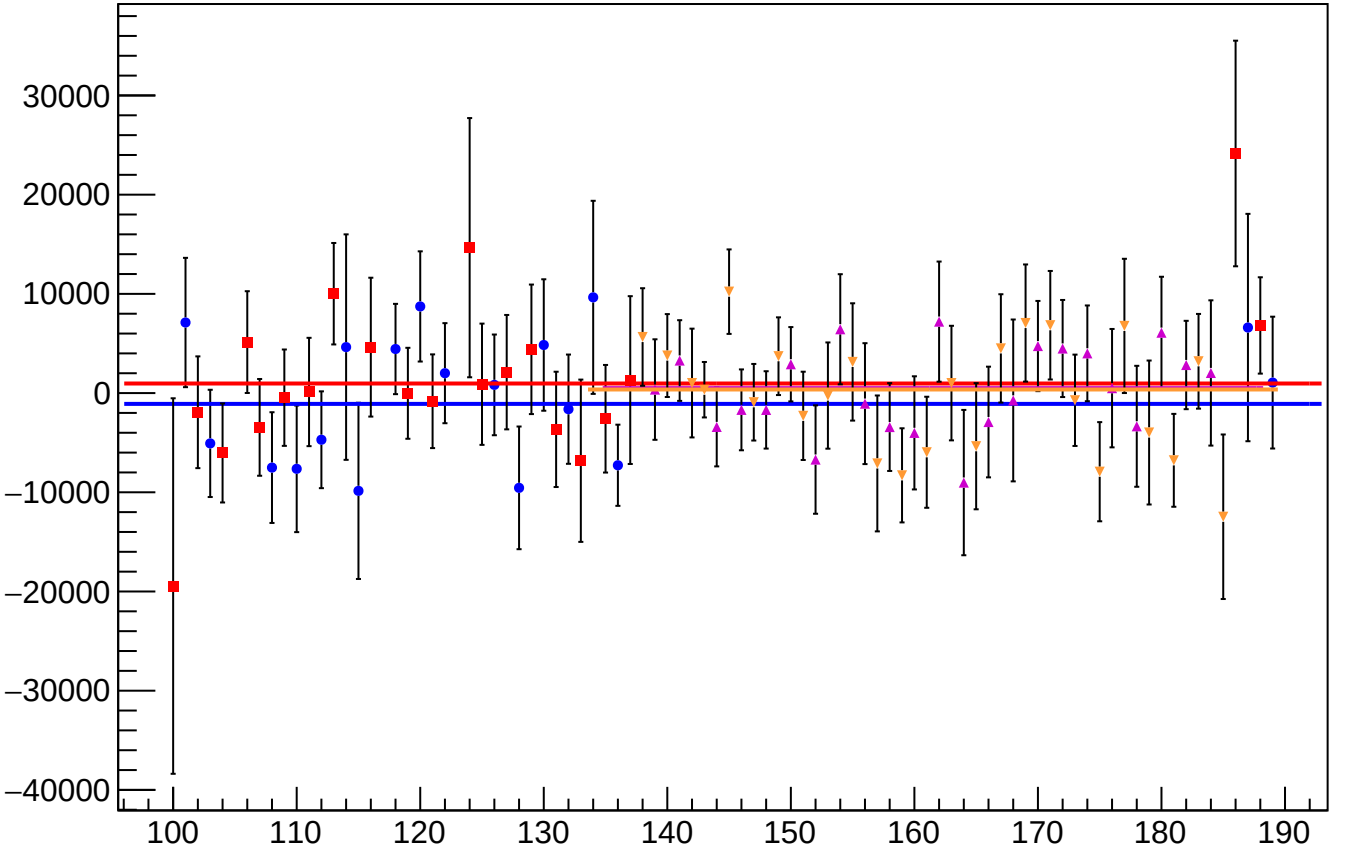
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 3945.393+/-0.551 χ^2/NDF: 2792943.8/42

All: 3925.073+/-0.389 χ^2/NDF: 6158080.4/86

- sign 3904.944+/-0.548 χ^2/NDF: 3362428.5/43

asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -1089.614+/-1389.186 χ^2/NDF: 18.2/17

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 964.766+/-1280.004 χ^2/NDF: 17.6/20

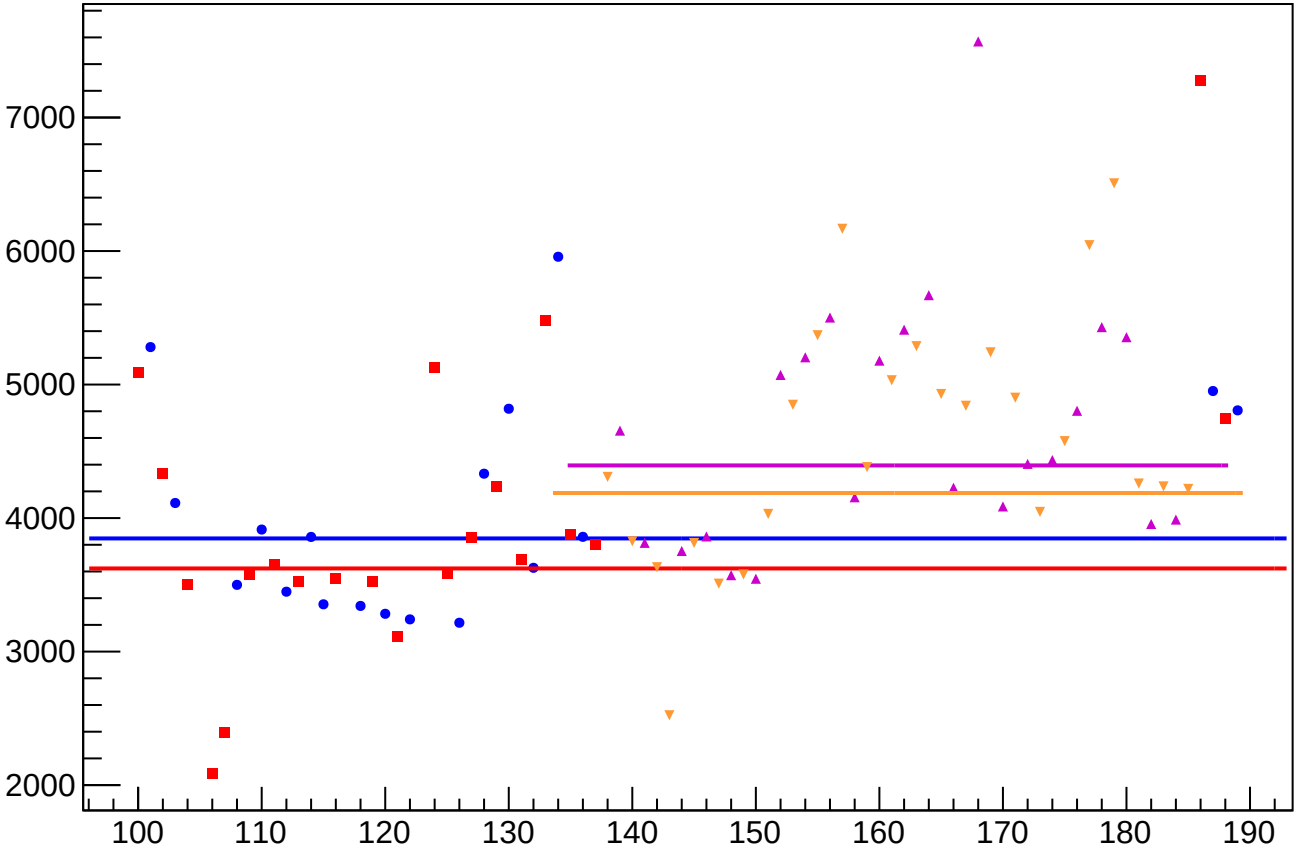
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign -119.914+/-800.716 χ^2/NDF: 46.5/42

All: 277.894+/-569.221 χ^2/NDF: 78.6/86

- sign 684.331+/-809.354 χ^2/NDF: 31.6/43

asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 3847.536+/-0.982 χ^2/NDF: 446964.5/17

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

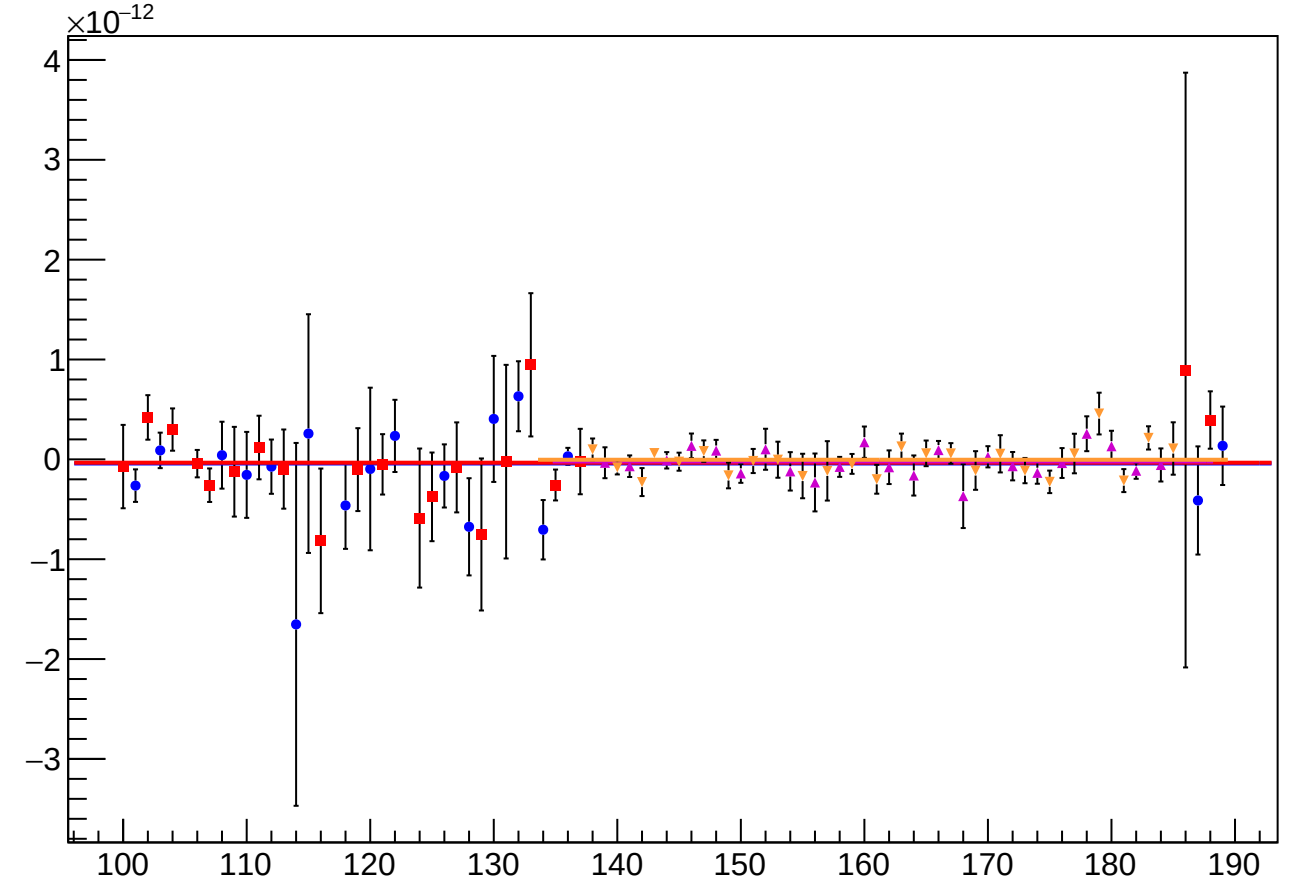
Right Out: 3622.693+/-0.894 χ^2/NDF: 921143.5/20

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

\+ sign 4074.786+/-0.566 χ^2/NDF: 2323459.3/42

All: 4077.943+/-0.401 χ^2/NDF: 4775910.5/86

\- sign 4081.135+/-0.569 χ^2/NDF: 2452388.7/43



Right In: -0.000+/-0.000 χ^2/NDF: 17.3/17

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

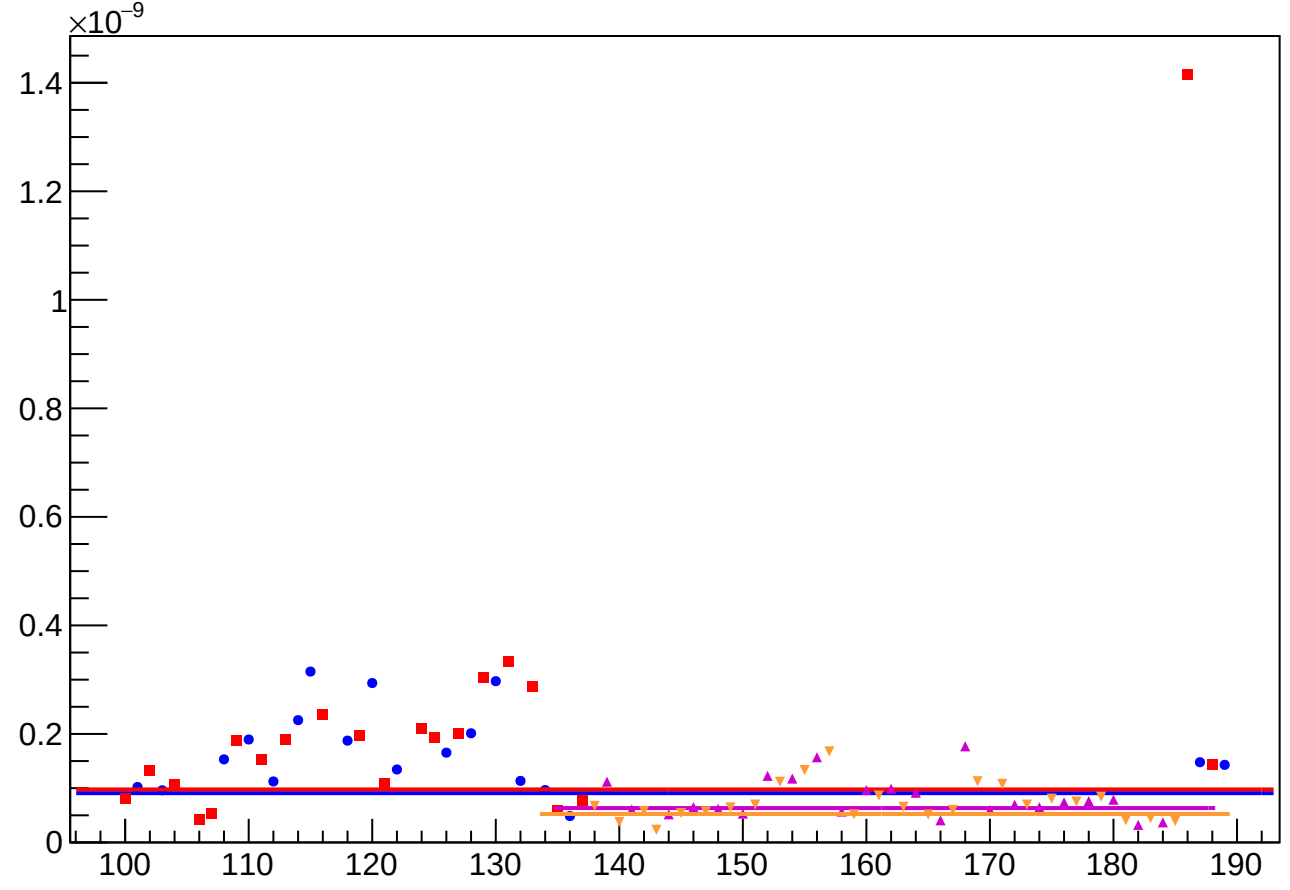
Right Out: -0.000+/-0.000 χ^2/NDF: 18.3/20

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

\+ sign -0.000+/-0.000 χ^2/NDF: 48.1/42

All: -0.000+/-0.000 χ^2/NDF: 83.7/86

\- sign -0.000+/-0.000 χ^2/NDF: 35.3/43



Right In: 0.000+/-0.000 χ^2/NDF: 1520132.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2182752.7/20

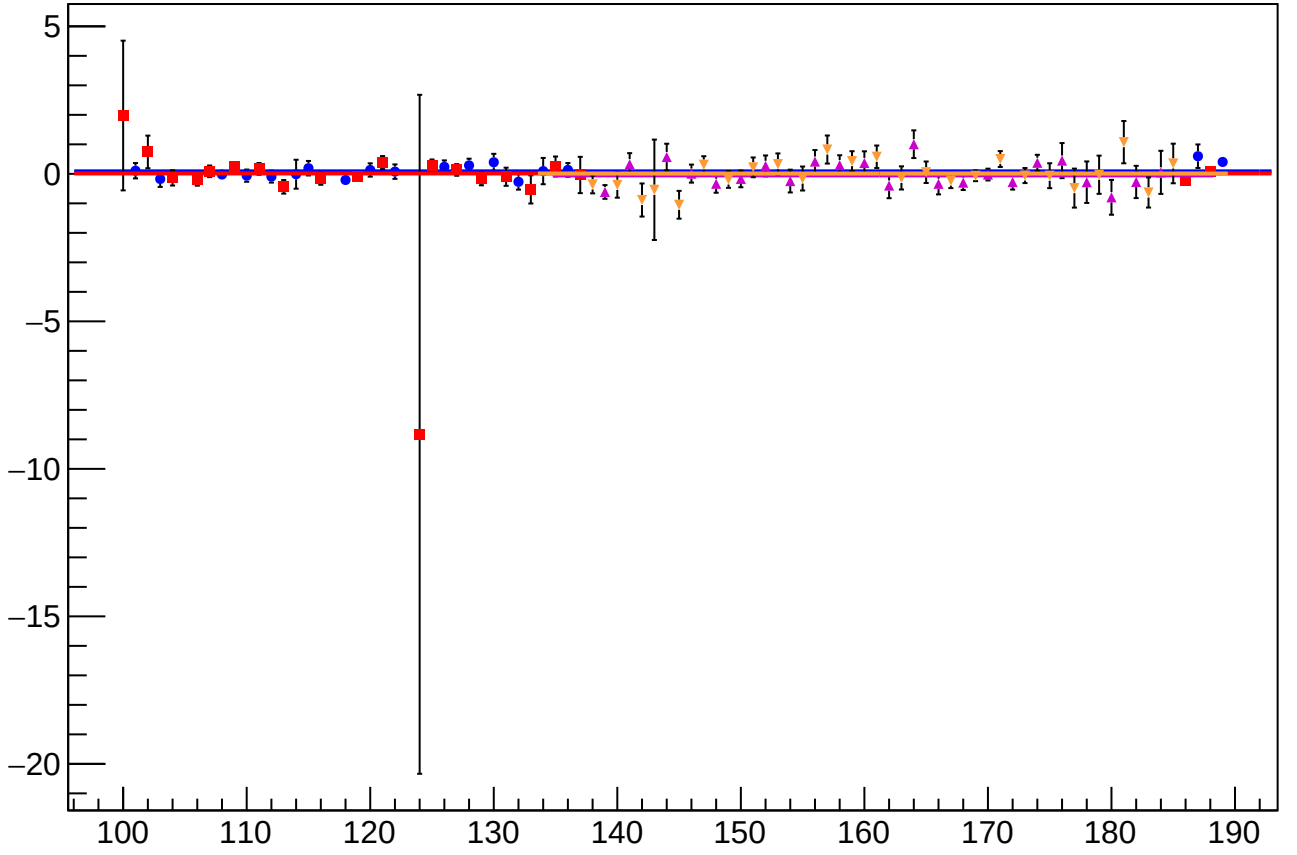
Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 4910675.9/42

All: 0.000+/-0.000 χ^2/NDF: 9640579.9/86

- sign 0.000+/-0.000 χ^2/NDF: 4485941.2/43

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.085+/-0.053 χ^2/NDF: 16.5/17

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.013+/-0.045 χ^2/NDF: 24.7/20

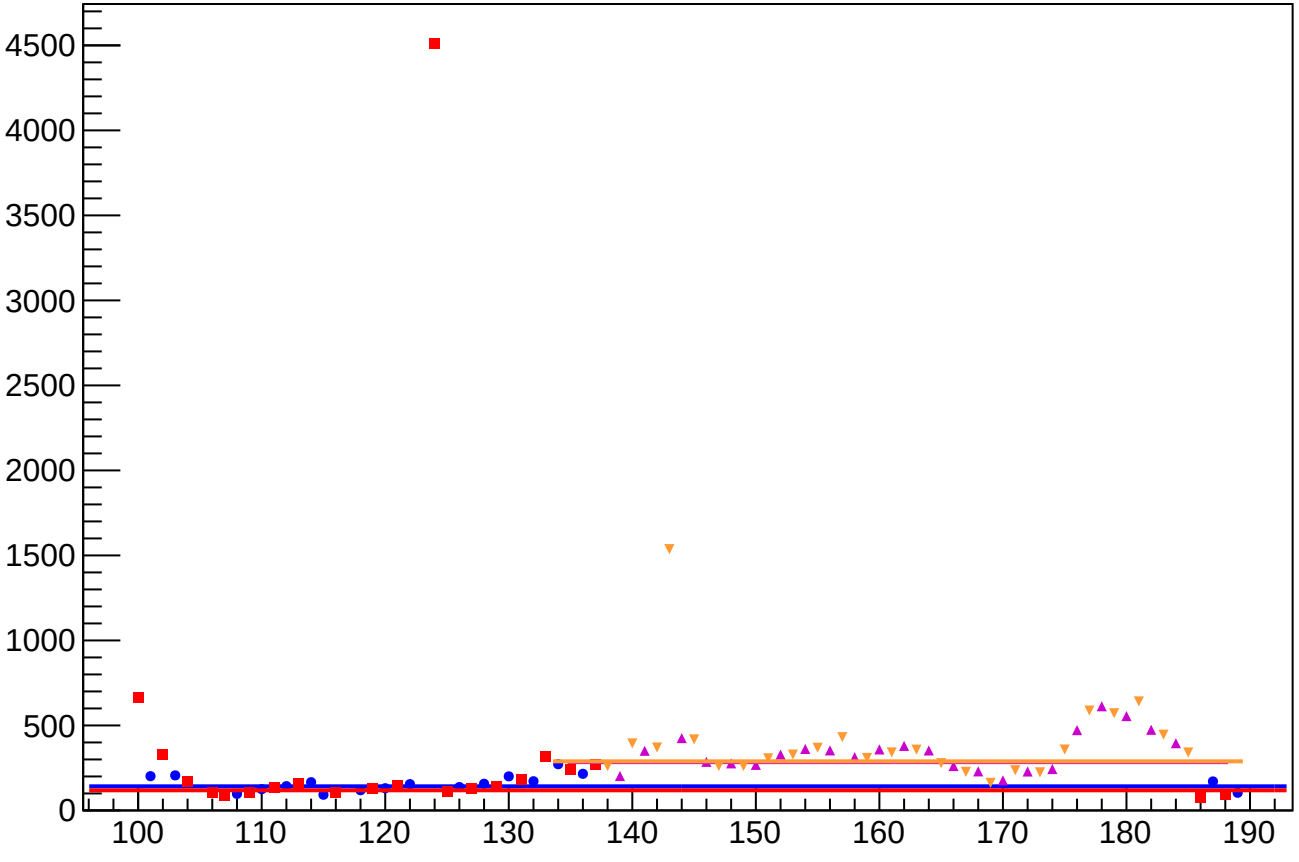
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.057+/-0.043 χ^2/NDF: 46.1/42

All: 0.022+/-0.028 χ^2/NDF: 100.5/86

- sign -0.006+/-0.038 χ^2/NDF: 53.1/43

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 141.924+/-0.038 χ^2/NDF: 1149472.7/17

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

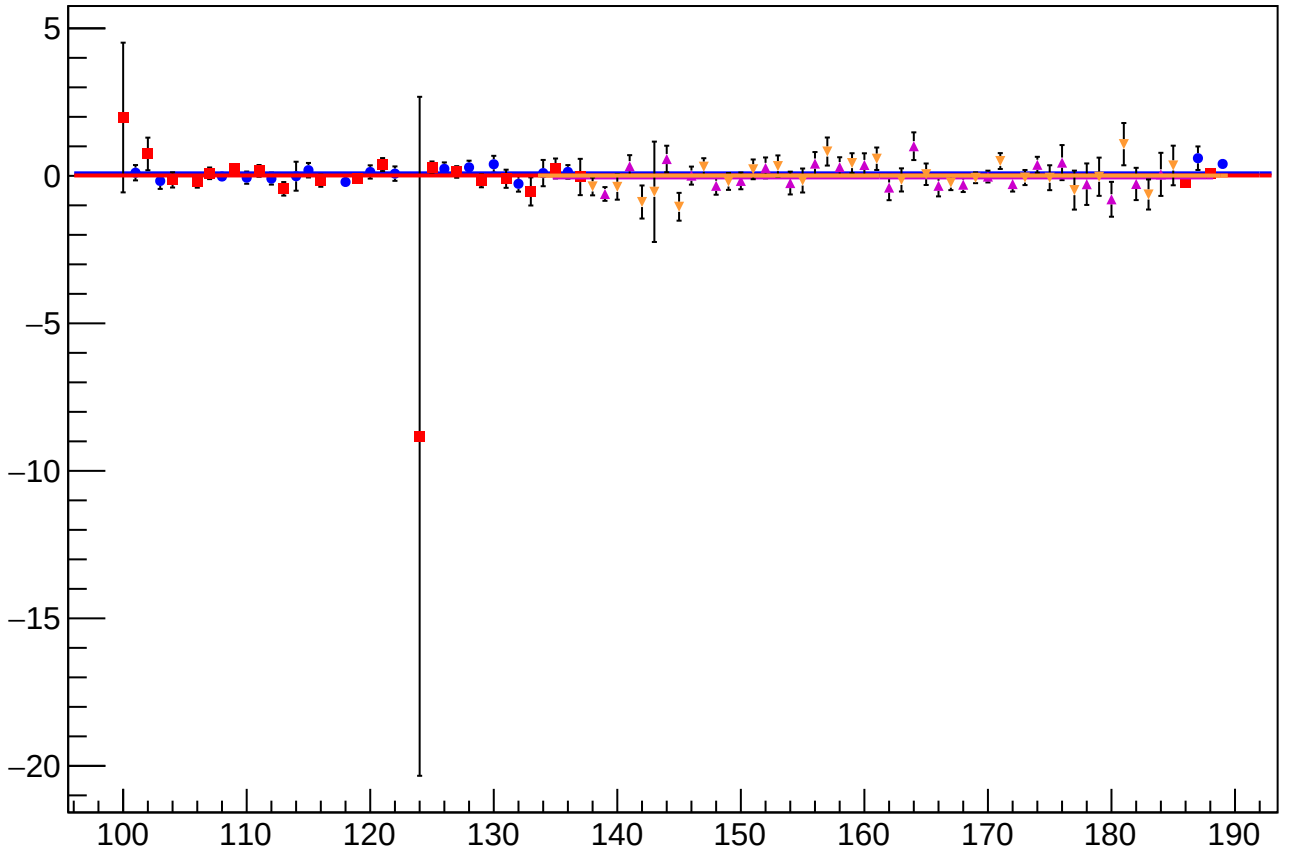
Right Out: 118.570+/-0.032 χ^2/NDF: 2147690.3/20

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 195.074+/-0.030 χ^2/NDF: 11268159.1/42

All: 178.978+/-0.020 χ^2/NDF: 24872287.2/86

- sign 166.354+/-0.027 χ^2/NDF: 13097139.0/43



Right In: 0.085+/-0.053 χ^2/NDF: 16.5/17

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

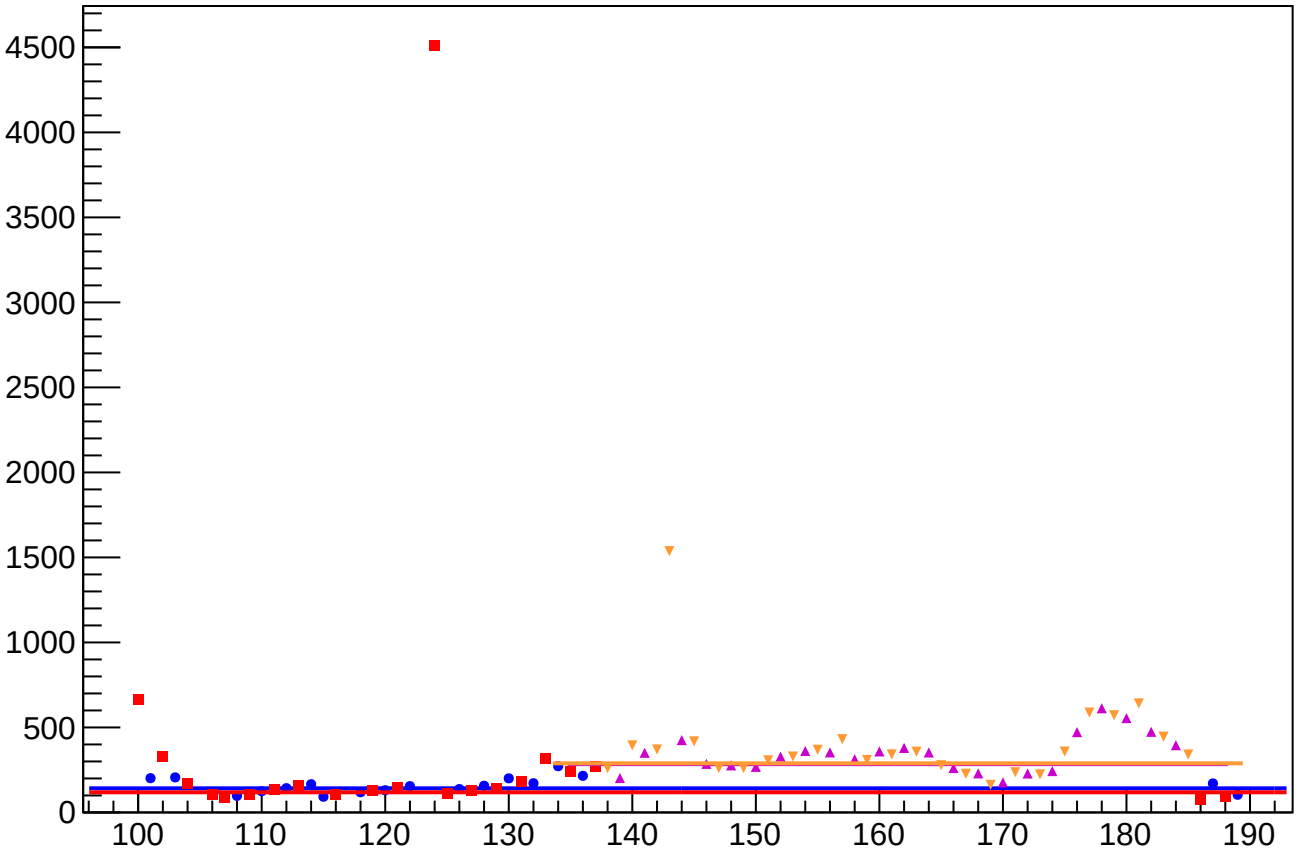
Right Out: 0.013+/-0.045 χ^2/NDF: 24.7/20

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.057+/-0.043 χ^2/NDF: 46.1/42

All: 0.022+/-0.028 χ^2/NDF: 100.5/86

- sign -0.006+/-0.038 χ^2/NDF: 53.1/43



Right In: 141.924+/-0.038 χ^2/NDF: 1149472.7/17

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

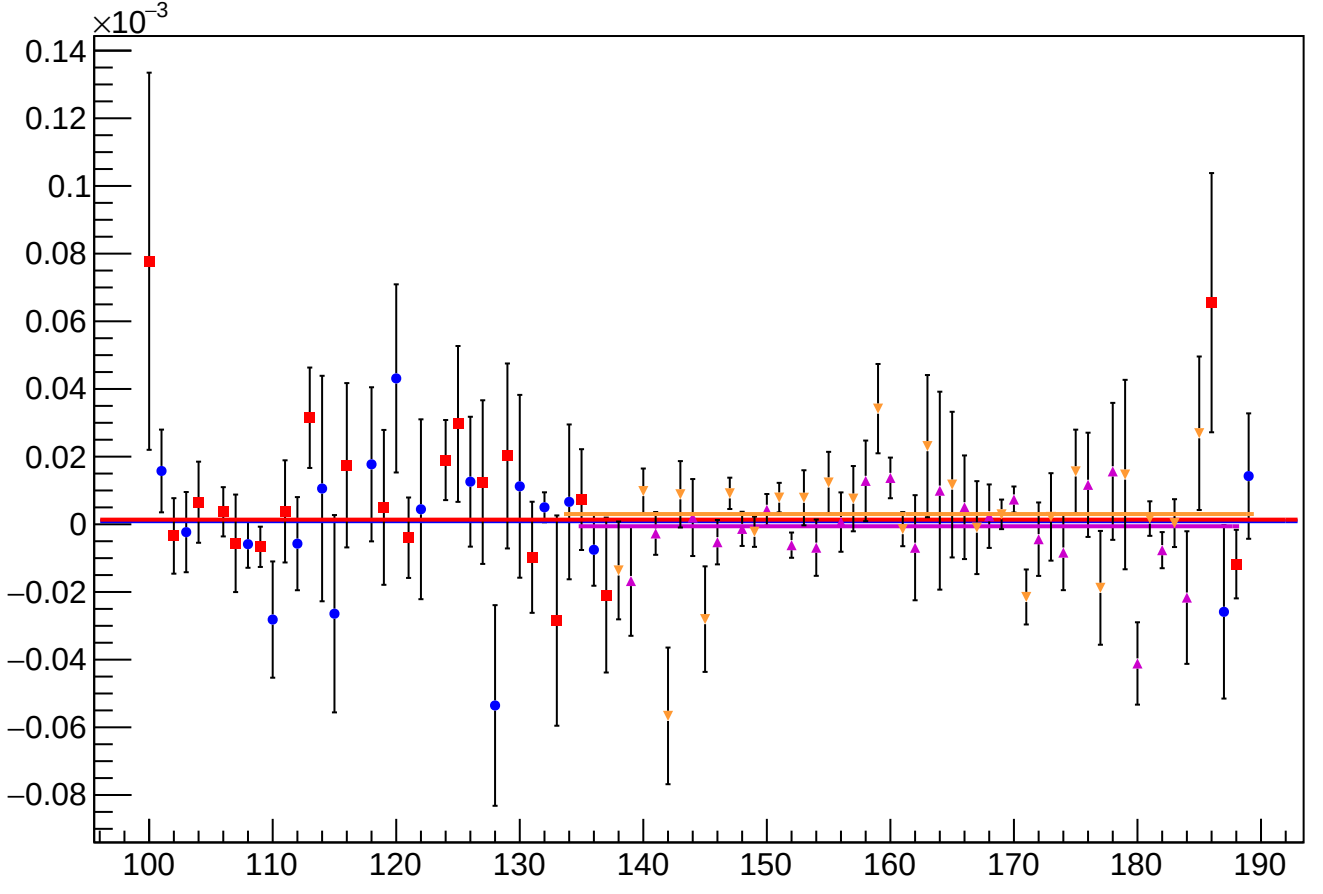
Right Out: 118.570+/-0.032 χ^2/NDF: 2147690.3/20

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 195.074+/-0.030 χ^2/NDF: 11268159.1/42

All: 178.978+/-0.020 χ^2/NDF: 24872287.2/86

- sign 166.354+/-0.027 χ^2/NDF: 13097139.0/43



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/17

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

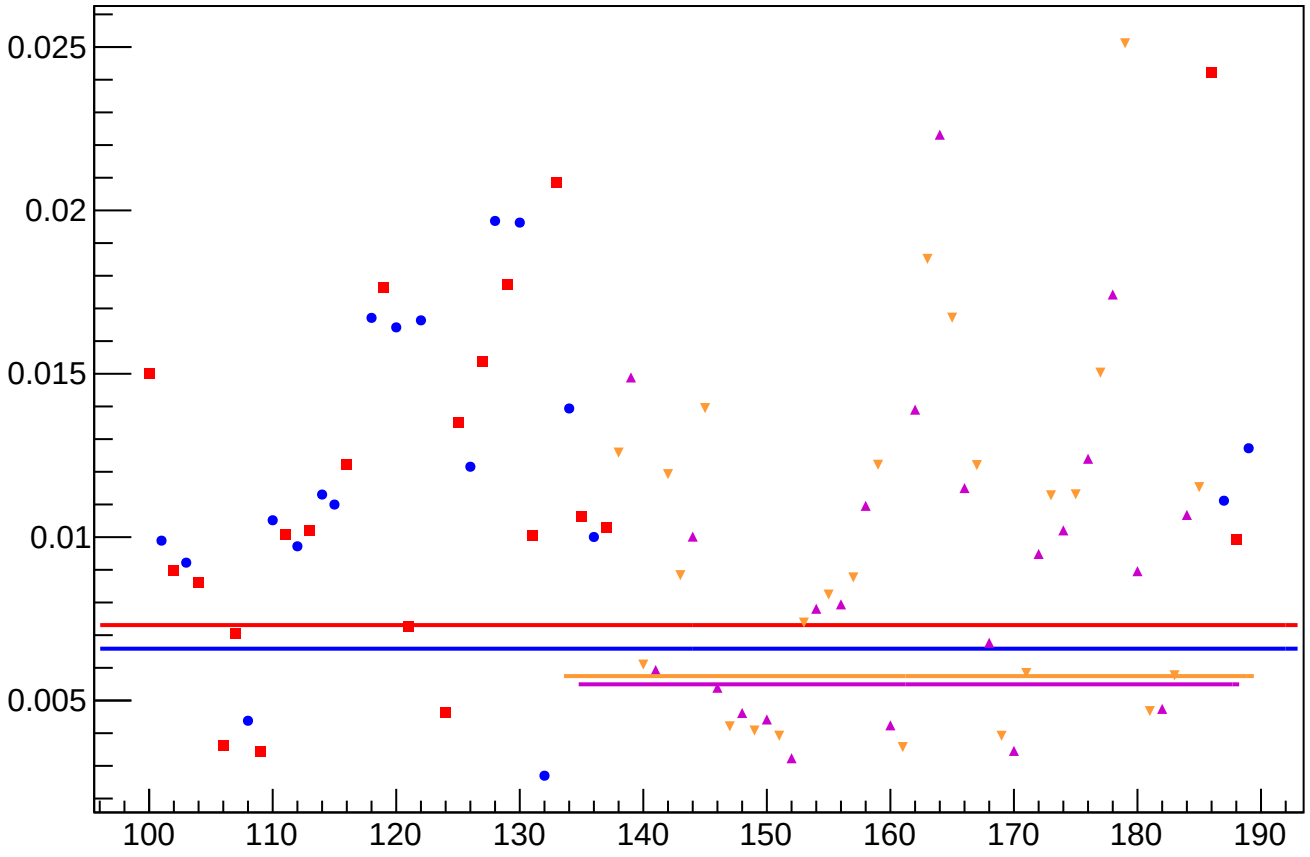
Right Out: 0.000+/-0.000 χ^2/NDF: 20.6/20

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 59.1/42

All: 0.000+/-0.000 χ^2/NDF: 115.3/86

- sign -0.000+/-0.000 χ^2/NDF: 54.1/43



Right In: 0.007+/-0.000 χ^2/NDF: 4931851.5/17

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 3959056.4/20

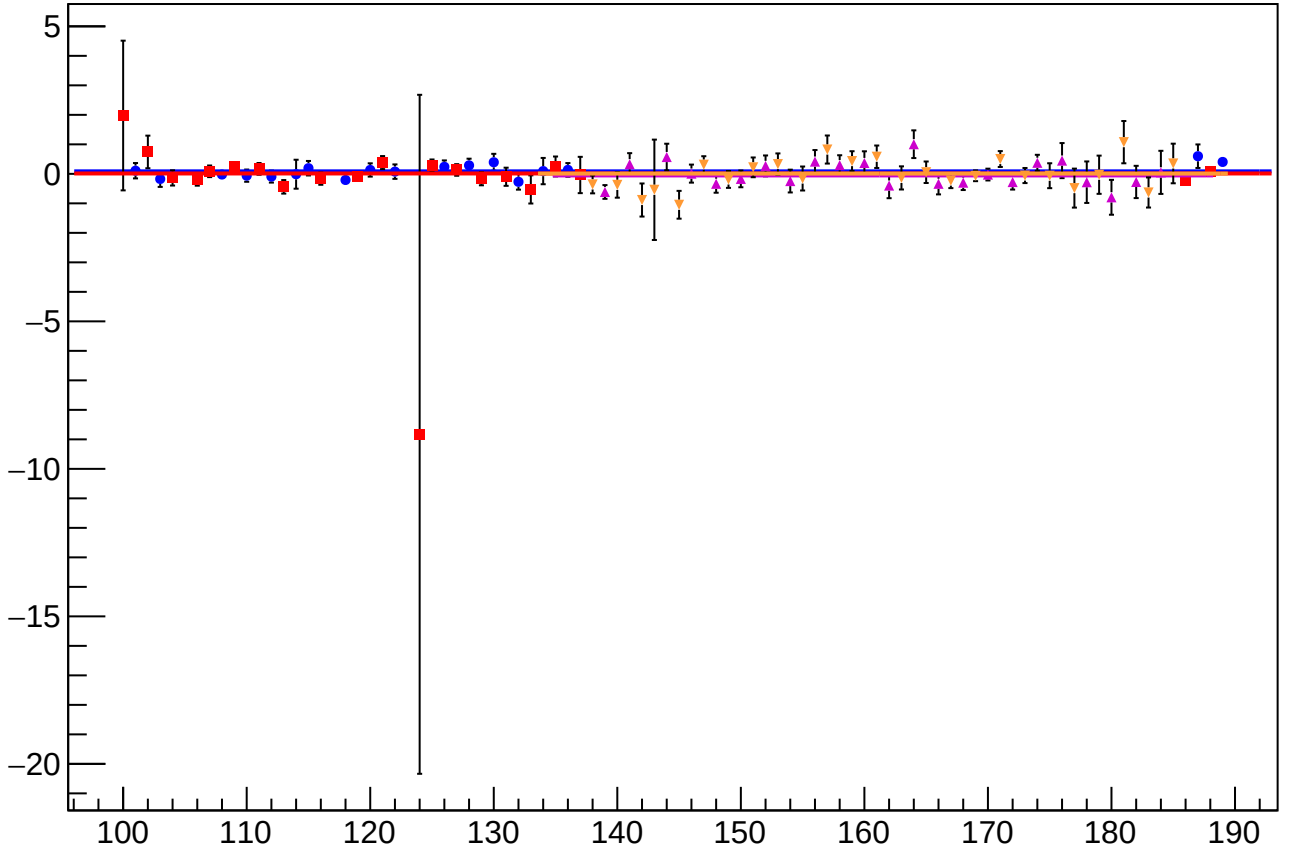
Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

+ sign 0.006+/-0.000 χ^2/NDF: 13193582.6/42

All: 0.006+/-0.000 χ^2/NDF: 24711165.7/86

- sign 0.006+/-0.000 χ^2/NDF: 11516593.0/43

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.085+/-0.053 χ^2/NDF: 16.5/17

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

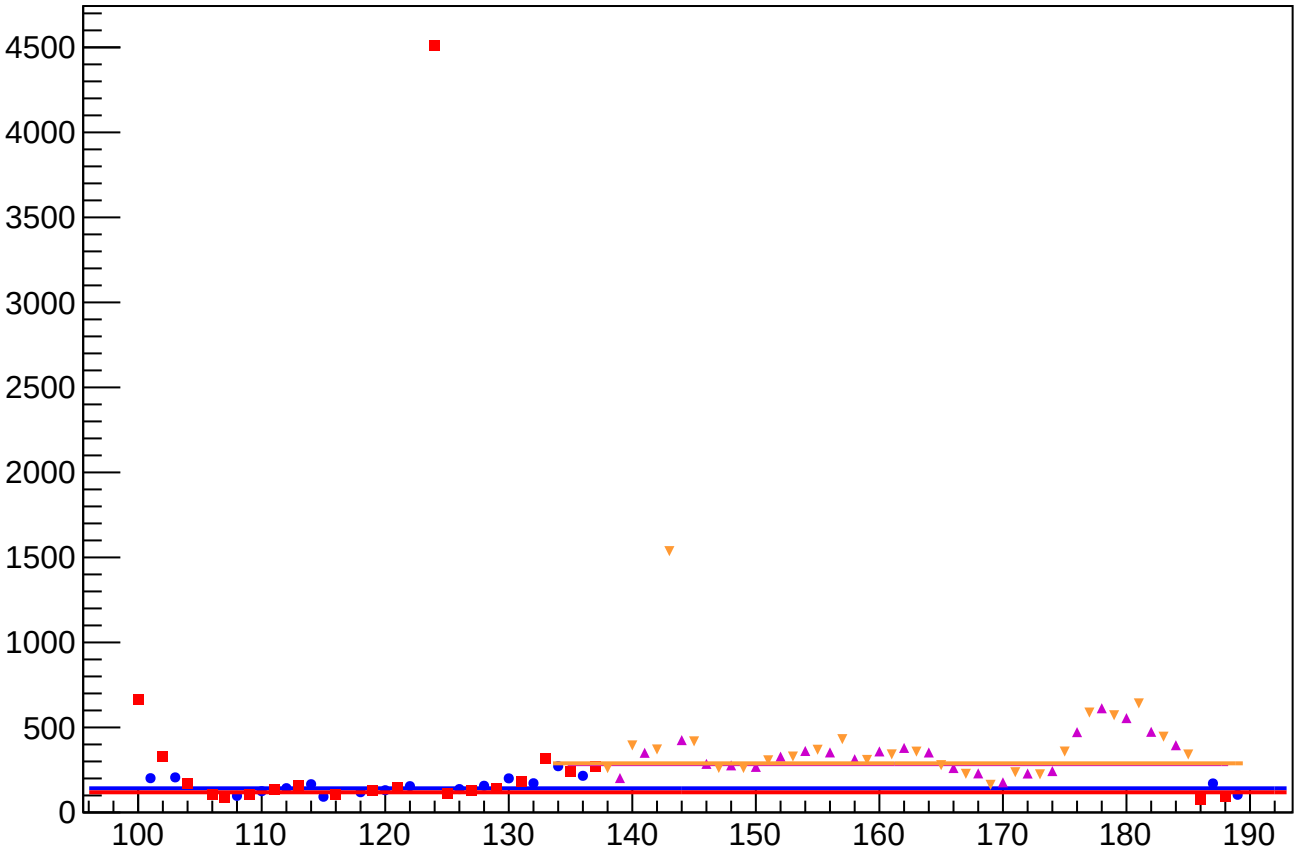
Right Out: 0.013+/-0.045 χ^2/NDF: 24.7/20

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.057+/-0.043 χ^2/NDF: 46.1/42

All: 0.022+/-0.028 χ^2/NDF: 100.5/86

- sign -0.006+/-0.038 χ^2/NDF: 53.1/43



Right In: 141.923+/-0.038 χ^2/NDF: 1149435.7/17

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

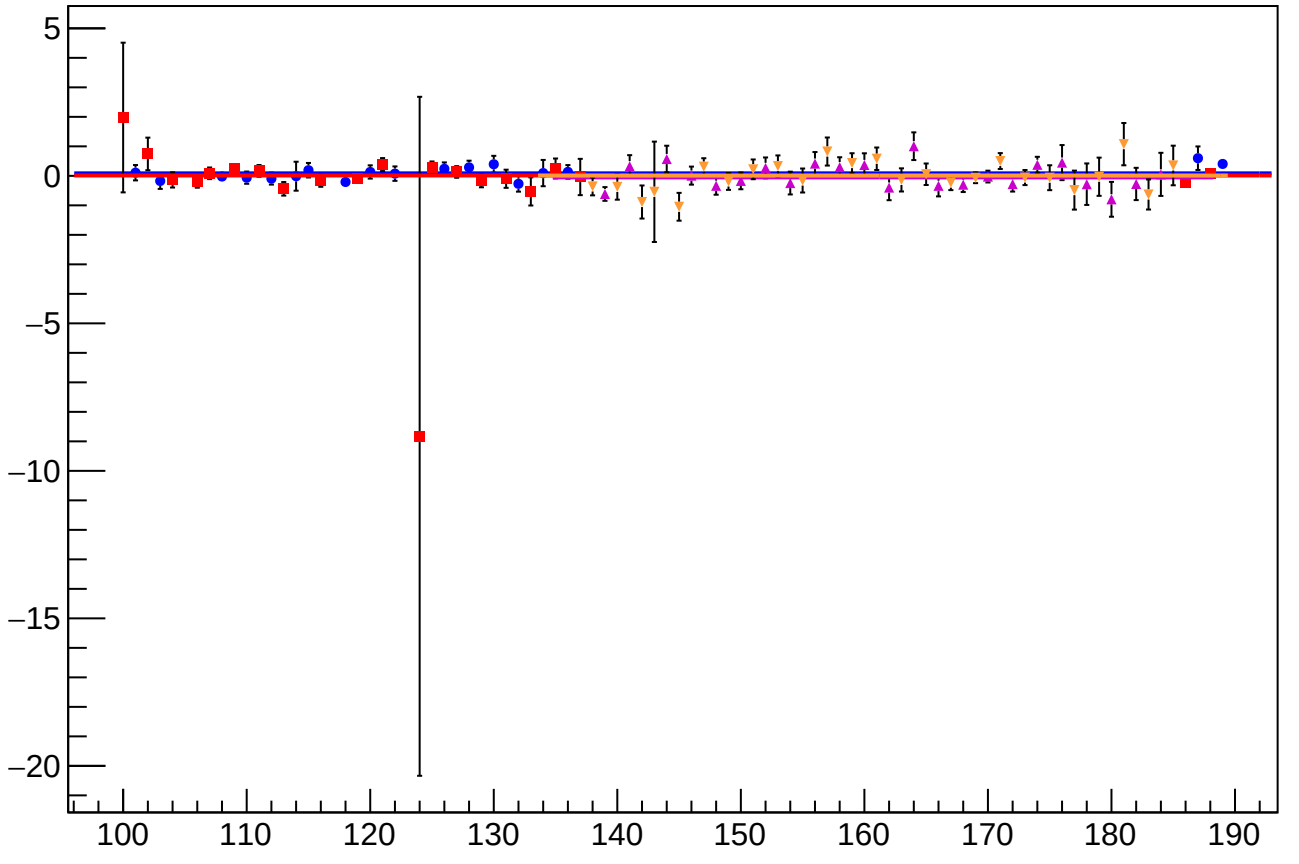
Right Out: 118.572+/-0.032 χ^2/NDF: 2147574.0/20

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 195.073+/-0.030 χ^2/NDF: 11268366.3/42

All: 178.979+/-0.020 χ^2/NDF: 24872205.4/86

- sign 166.356+/-0.027 χ^2/NDF: 13096958.9/43



Right In: 0.085+/-0.053 χ^2/NDF: 16.5/17

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

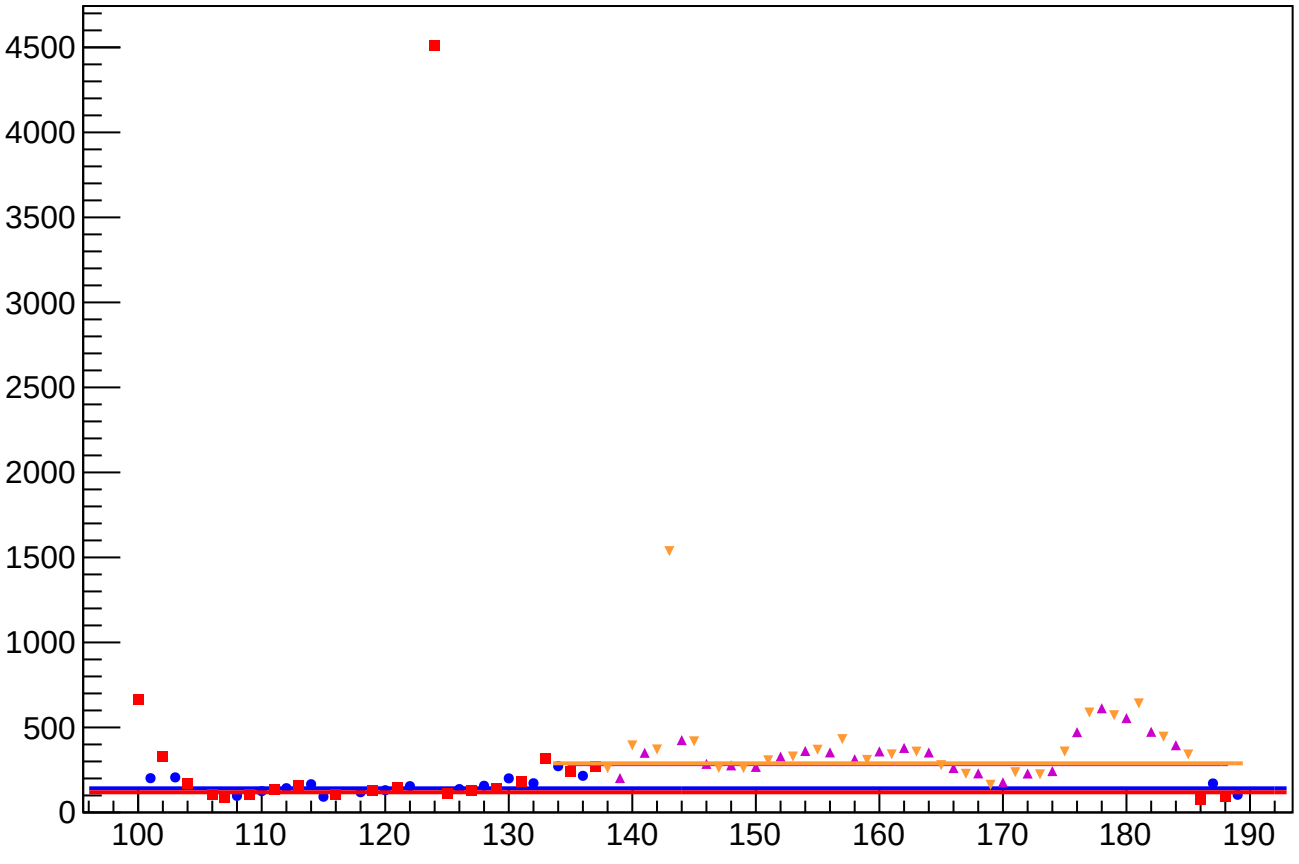
Right Out: 0.013+/-0.045 χ^2/NDF: 24.7/20

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.057+/-0.043 χ^2/NDF: 46.1/42

All: 0.022+/-0.028 χ^2/NDF: 100.5/86

- sign -0.006+/-0.038 χ^2/NDF: 53.1/43



Right In: 141.923+/-0.038 χ^2/NDF: 1149435.7/17

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

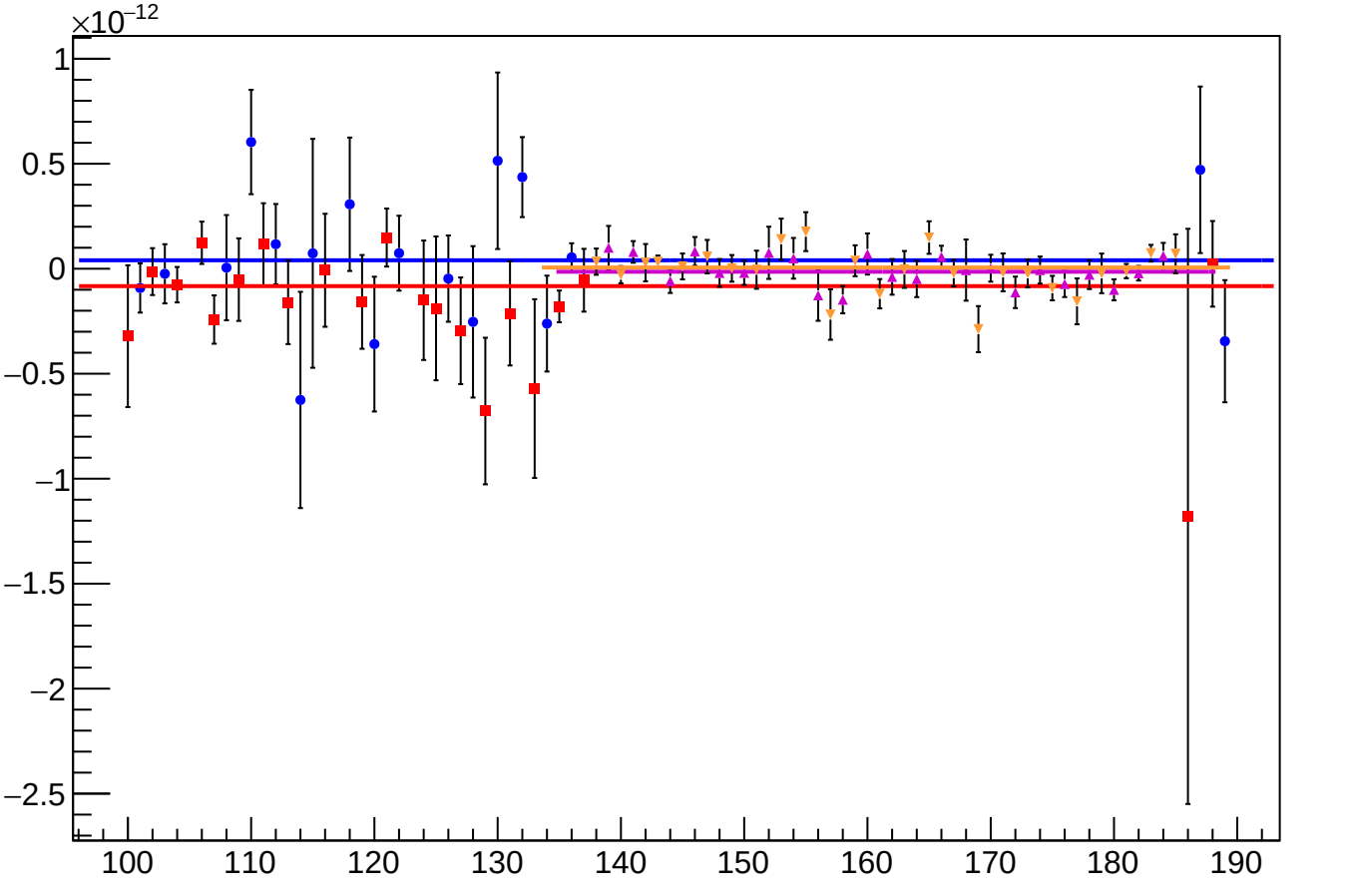
Right Out: 118.572+/-0.032 χ^2/NDF: 2147574.0/20

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 195.073+/-0.030 χ^2/NDF: 11268366.3/42

All: 178.979+/-0.020 χ^2/NDF: 24872205.4/86

- sign 166.356+/-0.027 χ^2/NDF: 13096958.9/43



Right In: 0.000+/-0.000 χ^2/NDF: 21.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

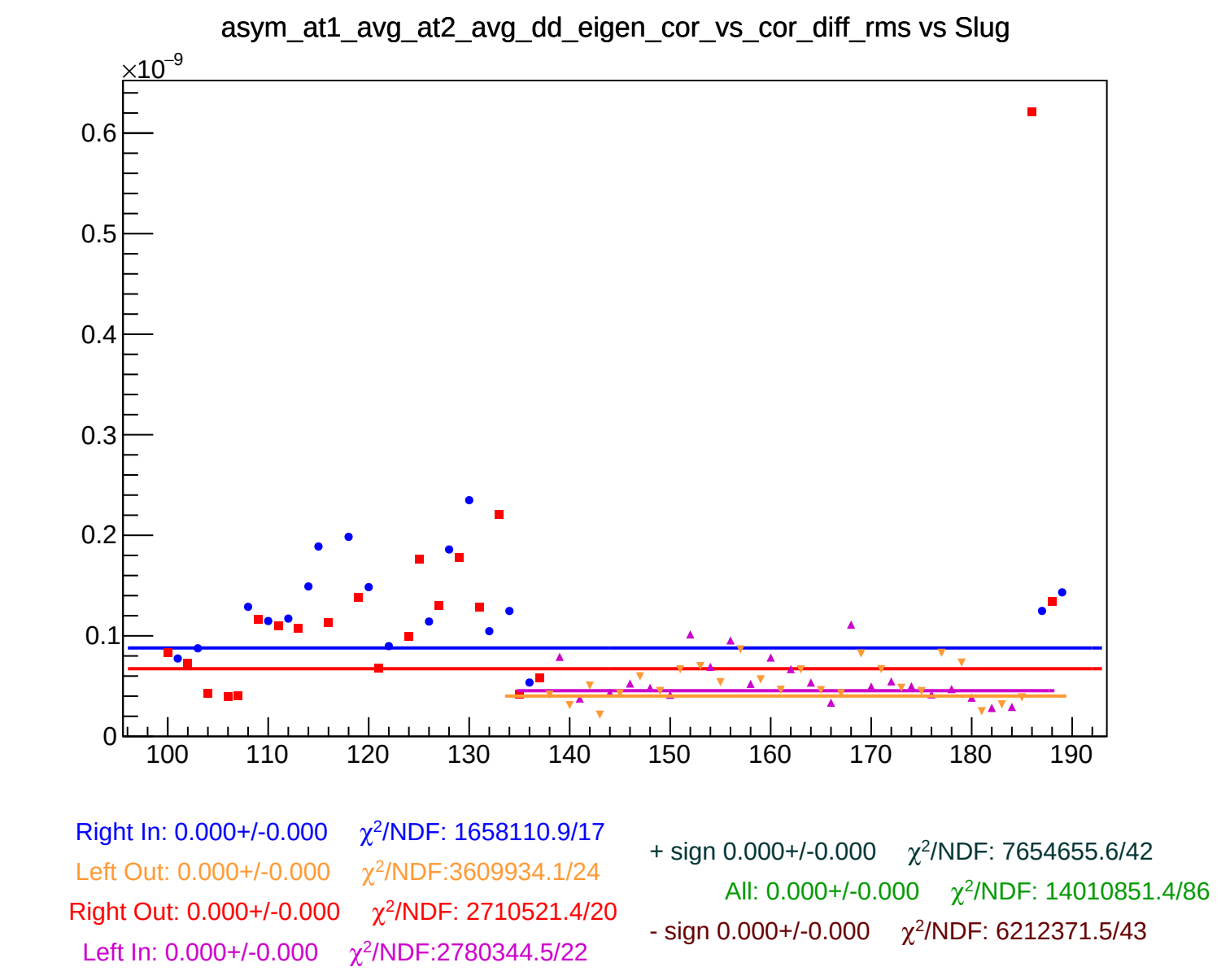
Right Out: -0.000+/-0.000 χ^2/NDF: 19.1/20

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

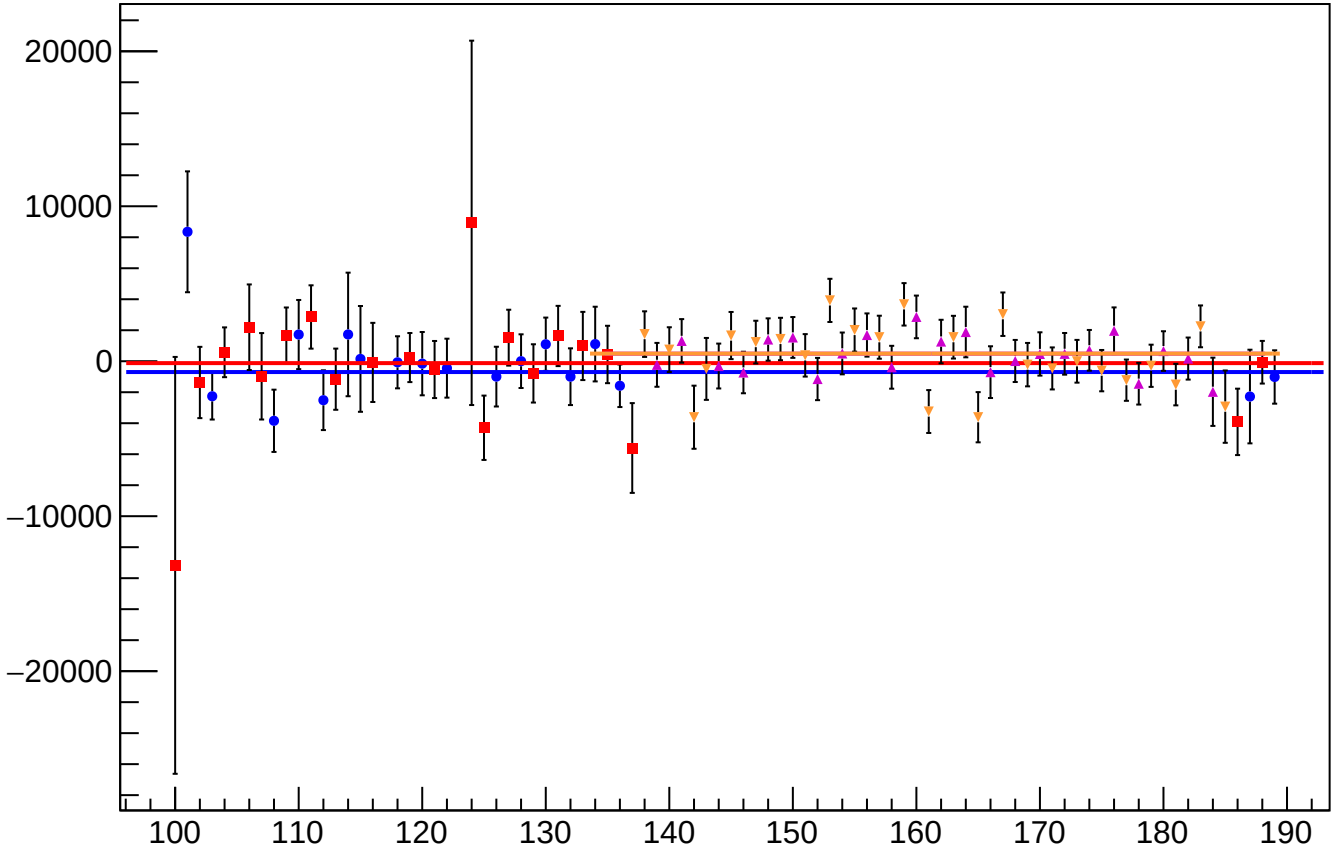
+ sign 0.000+/-0.000 χ^2/NDF: 56.7/42

All: -0.000+/-0.000 χ^2/NDF: 106.1/86

- sign -0.000+/-0.000 χ^2/NDF: 45.9/43


asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1658110.9/17
Left Out: 0.000+/-0.000 χ²/NDF:3609934.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 2710521.4/20
Left In: 0.000+/-0.000 χ²/NDF:2780344.5/22
+ sign 0.000+/-0.000 χ²/NDF: 7654655.6/42
All: 0.000+/-0.000 χ²/NDF: 14010851.4/86
- sign 0.000+/-0.000 χ²/NDF: 6212371.5/43

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -698.032+/-464.513 χ^2/NDF: 14.2/17

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -121.728+/-449.522 χ^2/NDF: 19.2/20

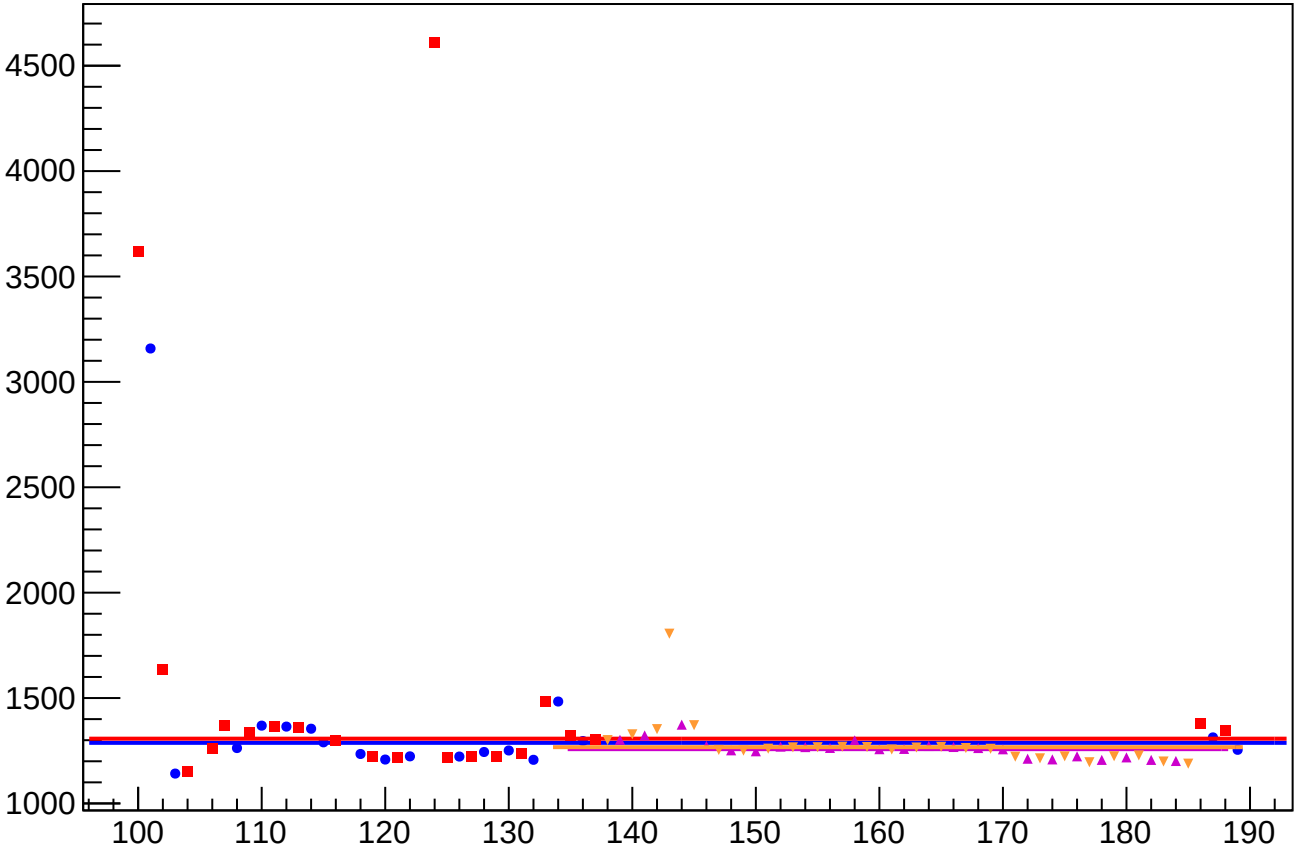
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 160.790+/-245.075 χ^2/NDF: 65.9/42

All: 232.500+/-173.590 χ^2/NDF: 100.9/86

- sign 304.701+/-245.913 χ^2/NDF: 34.9/43

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1287.477+/-0.328 χ^2/NDF: 515590.8/17

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

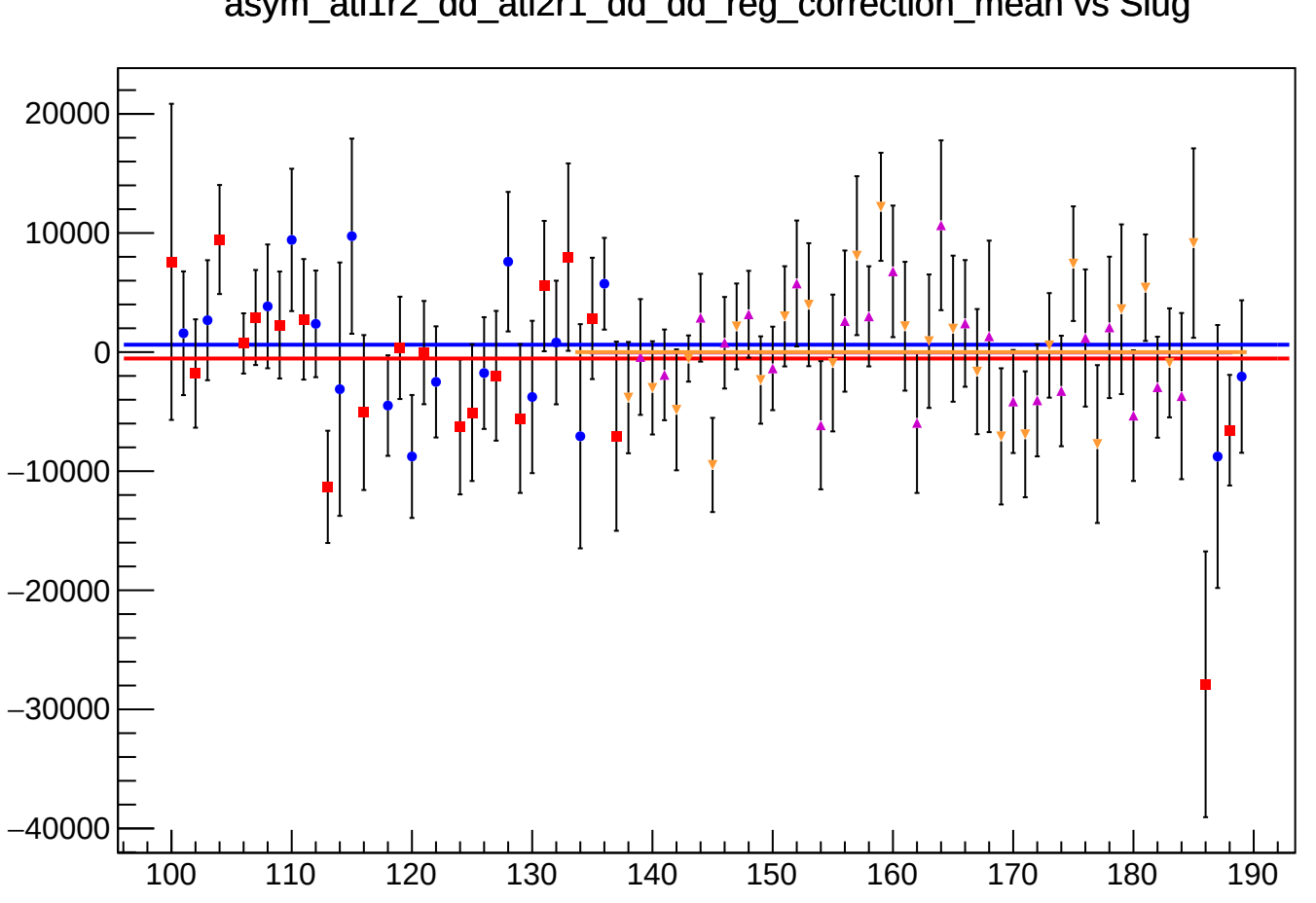
Right Out: 1307.259+/-0.317 χ^2/NDF: 323856.3/20

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1272.677+/-0.173 χ^2/NDF: 705950.0/42

All: 1272.575+/-0.123 χ^2/NDF: 1083813.7/86

- sign 1272.474+/-0.174 χ^2/NDF: 377863.0/43



Right In: 620.492+/-1288.899 χ^2/NDF: 15.0/17

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

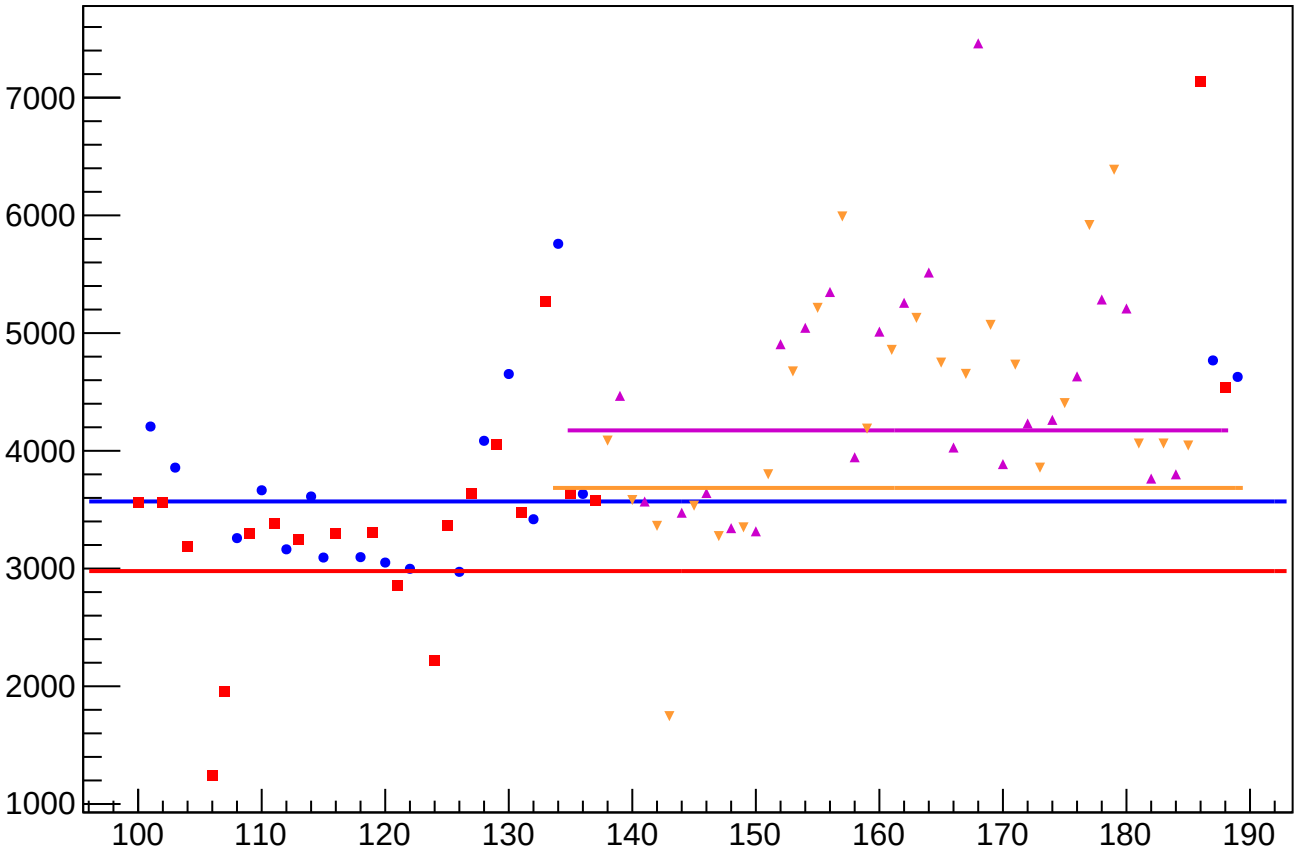
Right Out: -538.329+/-1075.559 χ^2/NDF: 26.4/20

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign 198.853+/-730.405 χ^2/NDF: 44.2/42

All: -33.215+/-516.519 χ^2/NDF: 84.9/86

- sign -265.363+/-730.530 χ^2/NDF: 40.5/43



Right In: 3569.977+/-0.911 χ^2/NDF: 436578.6/17

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 2978.438+/-0.761 χ^2/NDF: 2031137.2/20

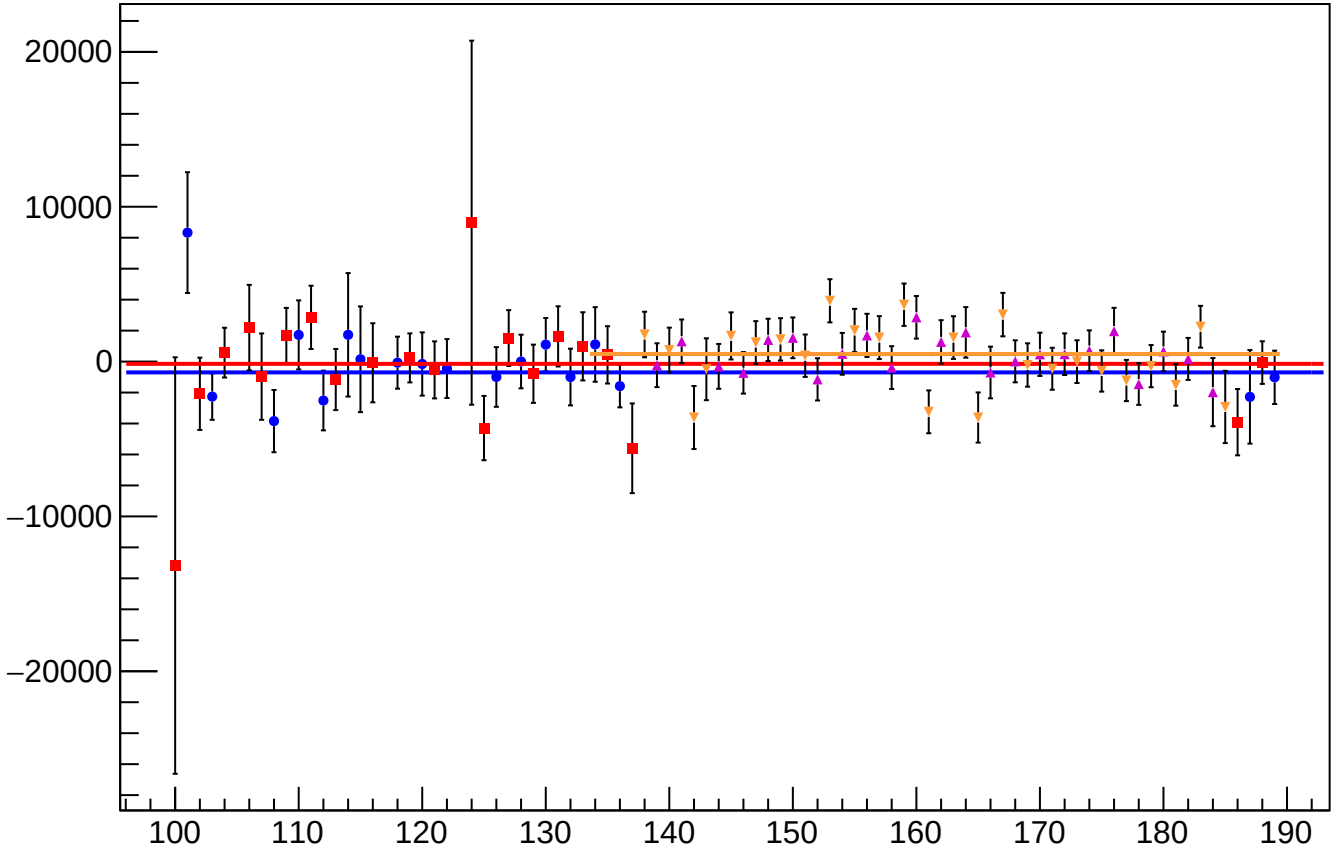
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3647.905+/-0.516 χ^2/NDF: 4140994.7/42

All: 3635.063+/-0.365 χ^2/NDF: 8778514.3/86

- sign 3622.217+/-0.517 χ^2/NDF: 4636283.0/43

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -698.399+/-464.513 χ^2/NDF: 14.2/17

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -146.579+/-449.775 χ^2/NDF: 19.6/20

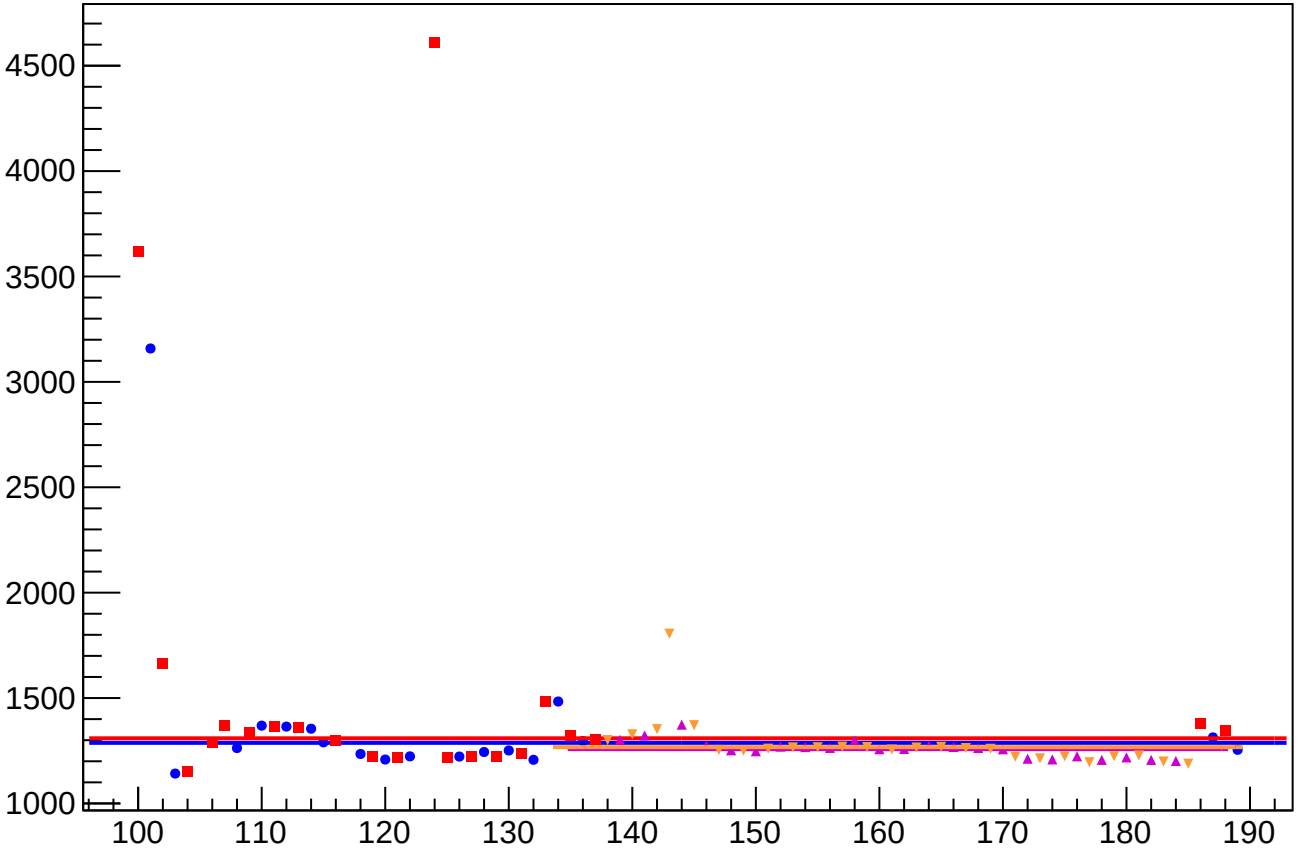
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 160.700+/-245.075 χ^2/NDF: 65.8/42

All: 228.777+/-173.604 χ^2/NDF: 101.4/86

- sign 297.343+/-245.954 χ^2/NDF: 35.4/43

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1287.477+/-0.328 χ^2/NDF: 515592.2/17

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

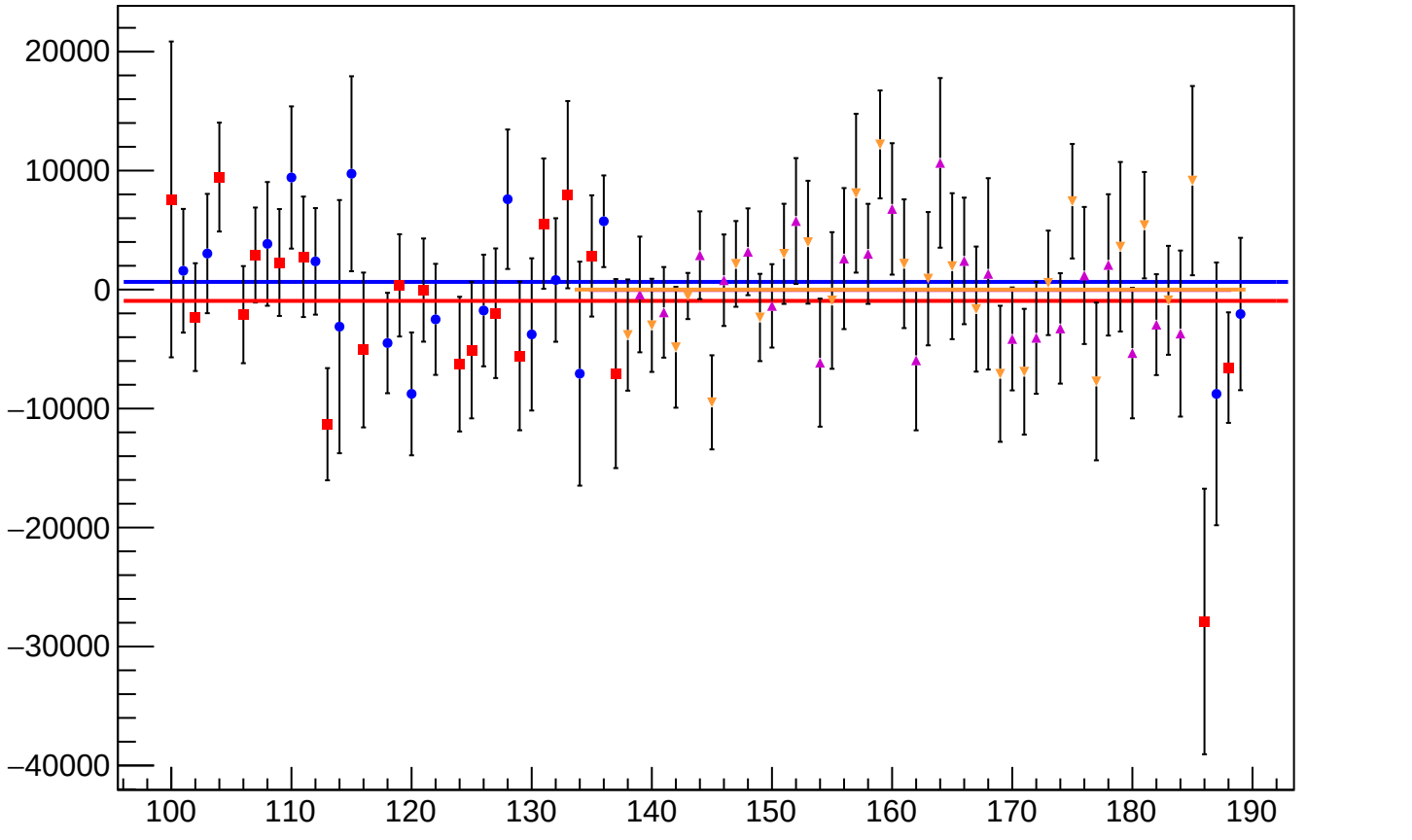
Right Out: 1309.004+/-0.318 χ^2/NDF: 330097.7/20

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1272.676+/-0.173 χ^2/NDF: 705951.4/42

All: 1272.823+/-0.123 χ^2/NDF: 1091253.6/86

- sign 1272.971+/-0.174 χ^2/NDF: 385300.7/43



Right In: 644.987+/-1288.480 χ^2/NDF: 15.0/17

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

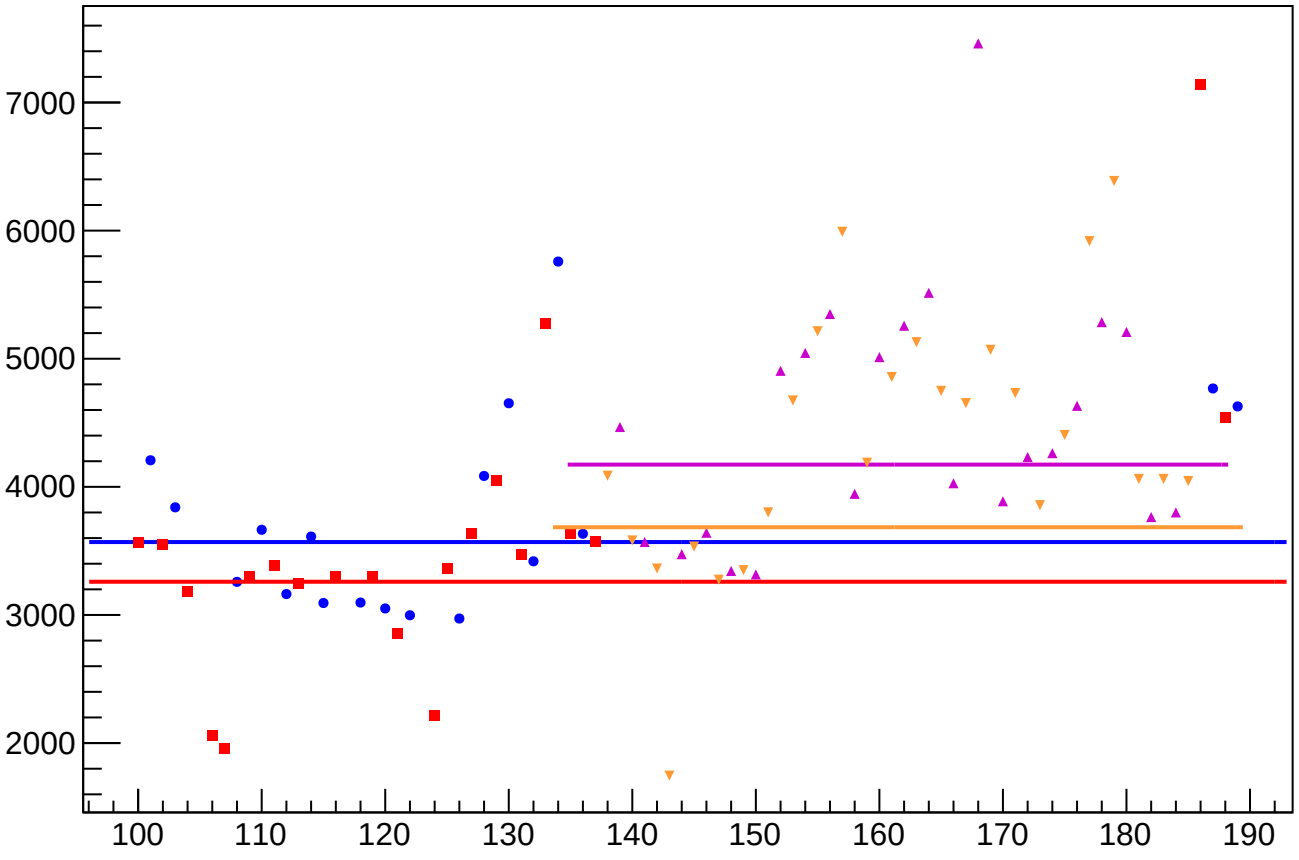
Right Out: -950.718+/-1140.555 χ^2/NDF: 26.2/20

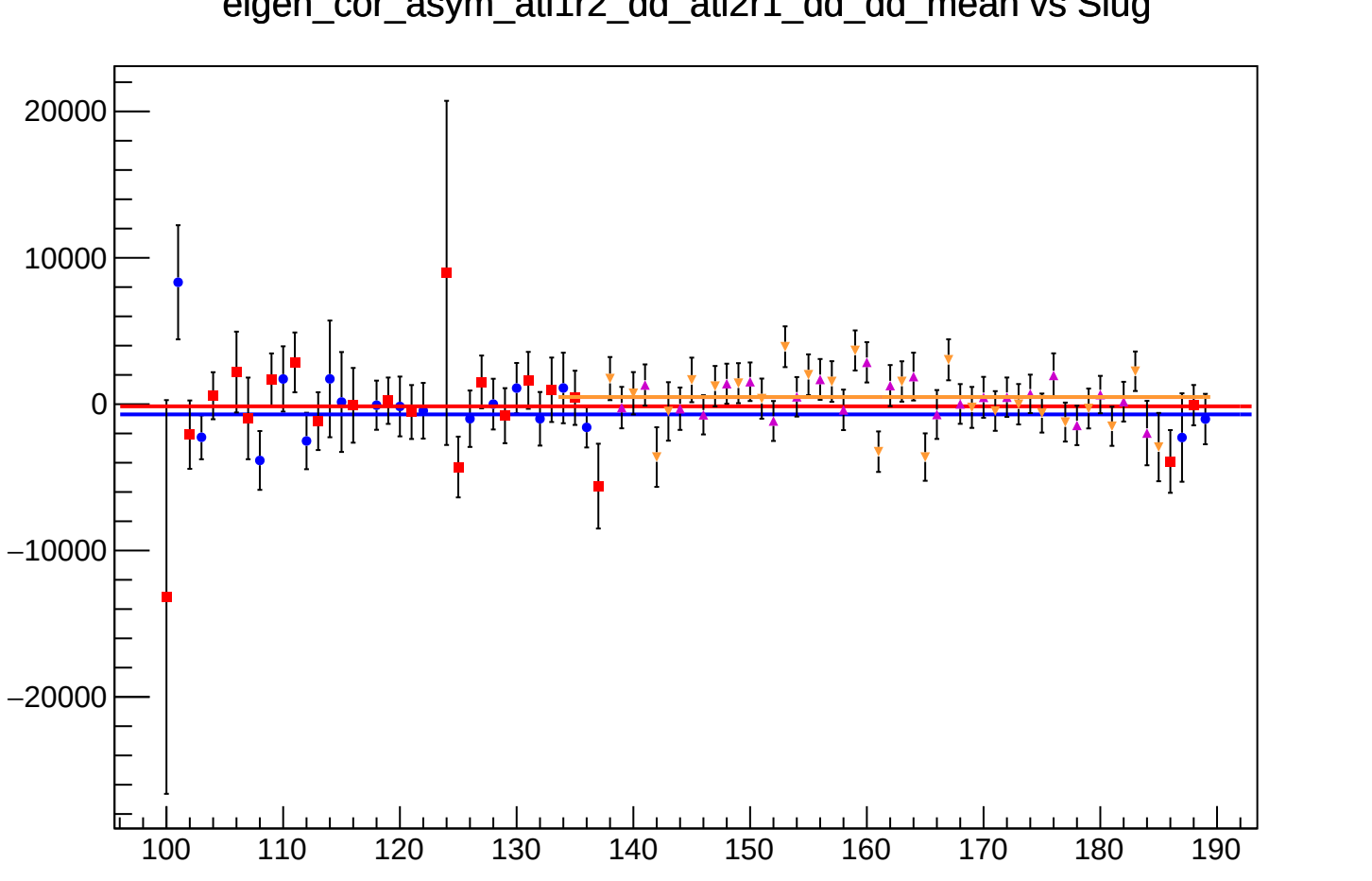
Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 206.853+/-730.329 χ^2/NDF: 44.2/42

All: -102.634+/-523.214 χ^2/NDF: 85.3/86

- sign -428.959+/-749.934 χ^2/NDF: 40.6/43


asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs Slug
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
180
190
Right In: 3569.073+/-0.911 χ²/NDF: 435971.5/17
Left Out: 3684.762+/-0.627 χ²/NDF:3693687.2/24
Right Out: 3259.310+/-0.806 χ²/NDF: 1066399.1/20
Left In: 4173.550+/-0.704 χ²/NDF:1274967.5/22
+ sign 3647.593+/-0.516 χ²/NDF: 4140602.0/42
All: 3711.215+/-0.370 χ²/NDF: 7242633.3/86
- sign 3778.298+/-0.530 χ²/NDF: 3070850.5/43



Right In: -698.399+/-464.513 χ^2/NDF: 14.2/17

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -146.579+/-449.775 χ^2/NDF: 19.6/20

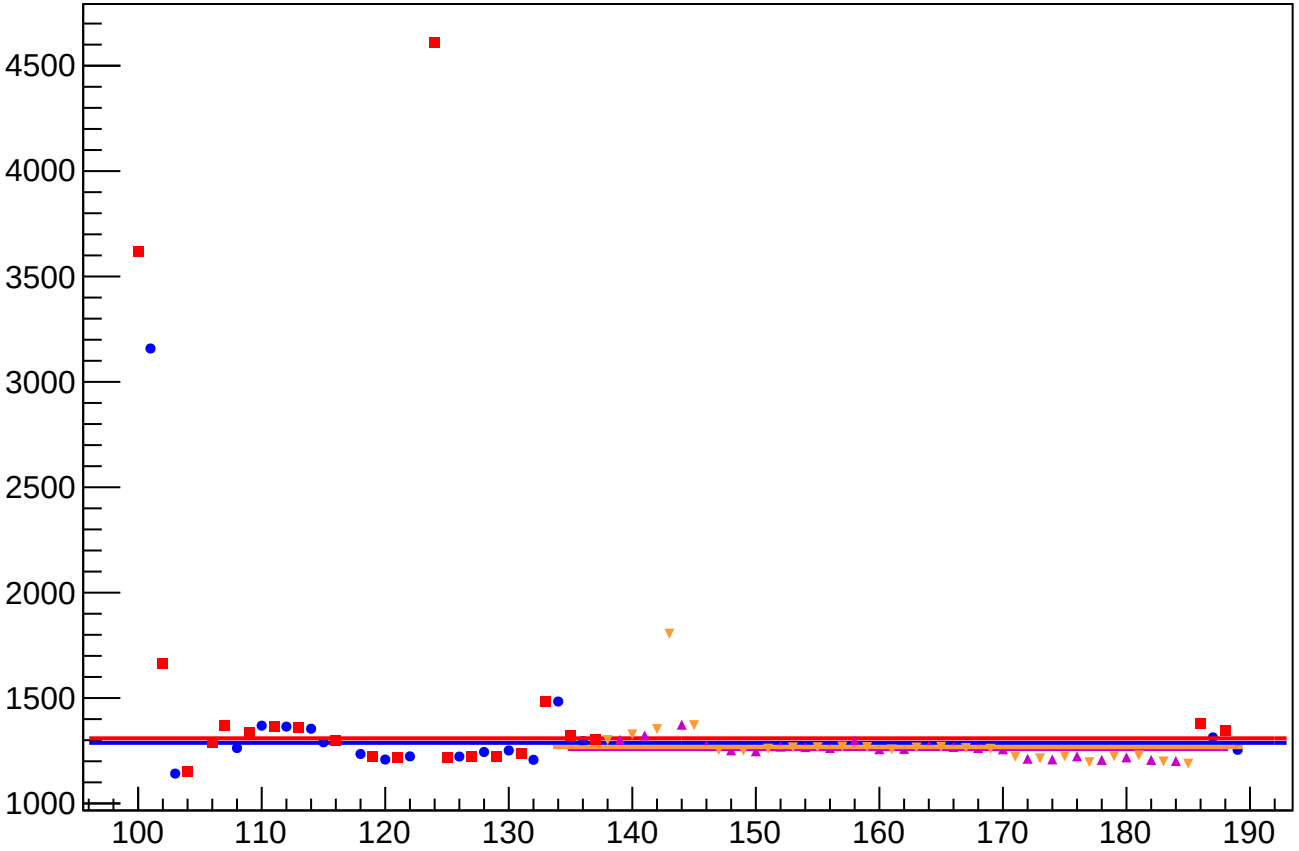
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 160.700+/-245.075 χ^2/NDF: 65.8/42

All: 228.777+/-173.604 χ^2/NDF: 101.4/86

- sign 297.343+/-245.954 χ^2/NDF: 35.4/43

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1287.477+/-0.328 χ^2/NDF: 515592.2/17

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

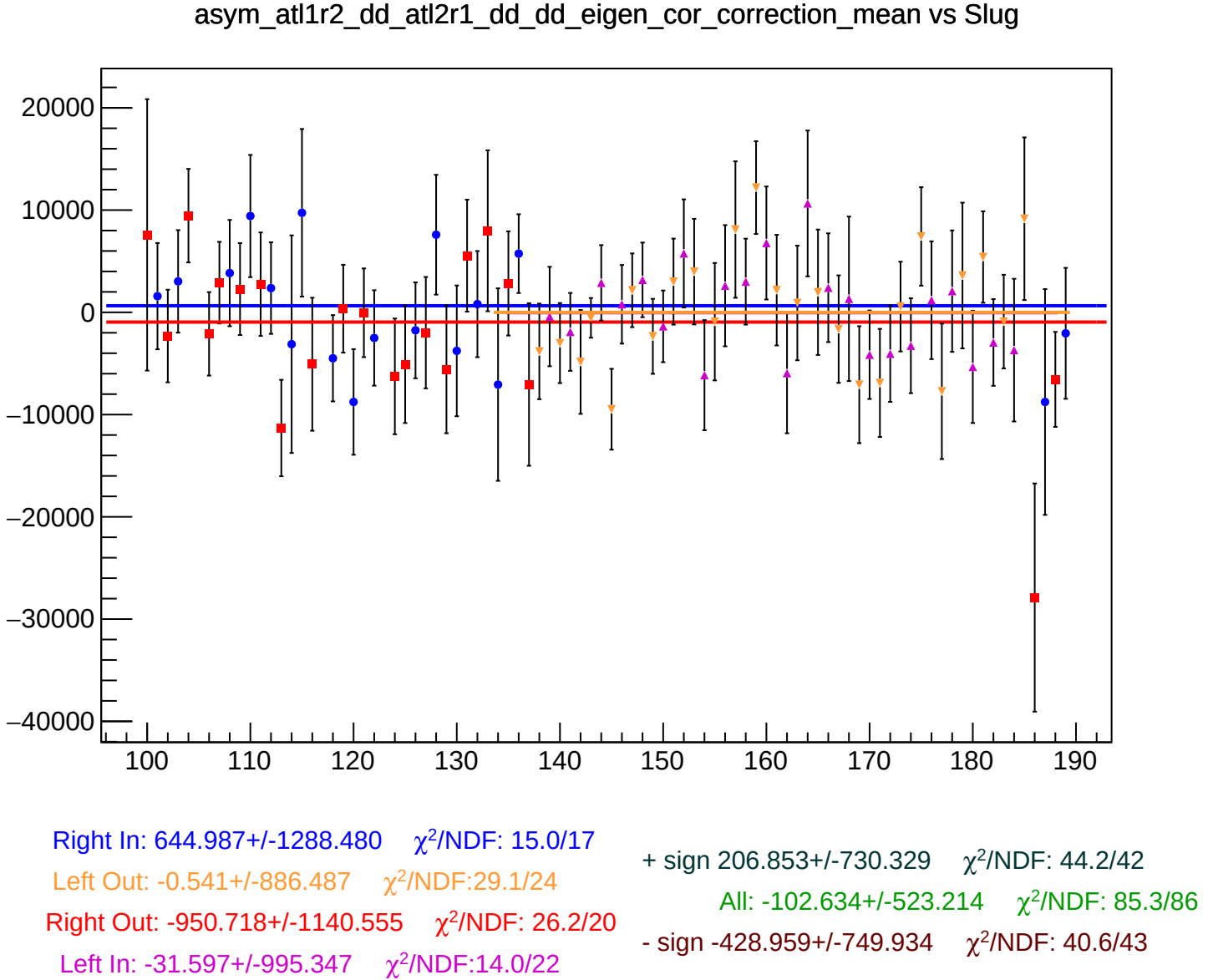
Right Out: 1309.004+/-0.318 χ^2/NDF: 330097.7/20

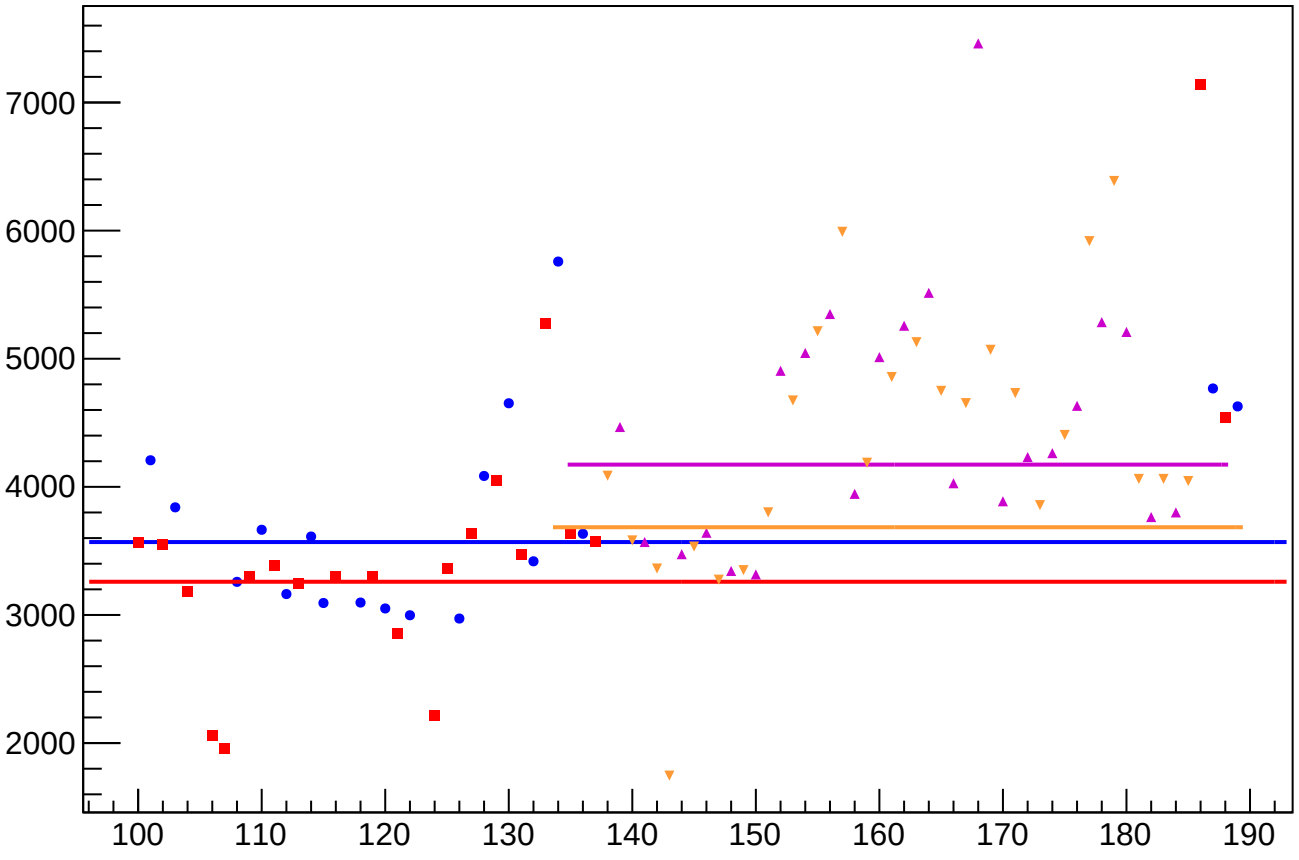
Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1272.676+/-0.173 χ^2/NDF: 705951.4/42

All: 1272.823+/-0.123 χ^2/NDF: 1091253.6/86

- sign 1272.971+/-0.174 χ^2/NDF: 385300.7/43


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: 644.987+/-1288.480 χ²/NDF: 15.0/17
Left Out: -0.541+/-886.487 χ²/NDF:29.1/24
Right Out: -950.718+/-1140.555 χ²/NDF: 26.2/20
Left In: -31.597+/-995.347 χ²/NDF:14.0/22
+ sign 206.853+/-730.329 χ²/NDF: 44.2/42
All: -102.634+/-523.214 χ²/NDF: 85.3/86
- sign -428.959+/-749.934 χ²/NDF: 40.6/43



Right In: 3569.073+/-0.911 χ^2/NDF: 435971.5/17

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

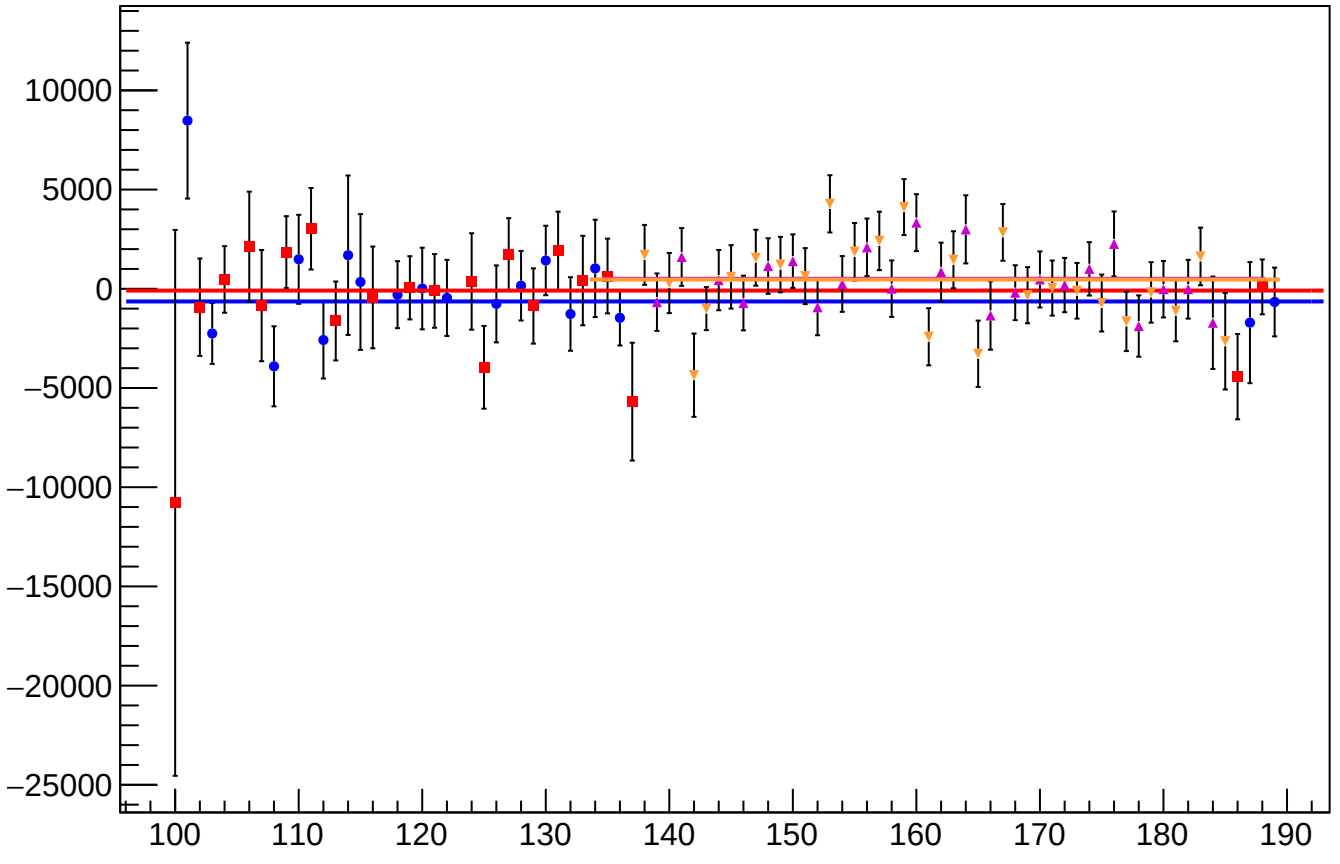
Right Out: 3259.310+/-0.806 χ^2/NDF: 1066399.1/20

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3647.593+/-0.516 χ^2/NDF: 4140602.0/42

All: 3711.215+/-0.370 χ^2/NDF: 7242633.3/86

- sign 3778.298+/-0.530 χ^2/NDF: 3070850.5/43



Right In: -637.990+/-469.578 χ^2/NDF: 14.2/17

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -89.620+/-448.080 χ^2/NDF: 19.1/20

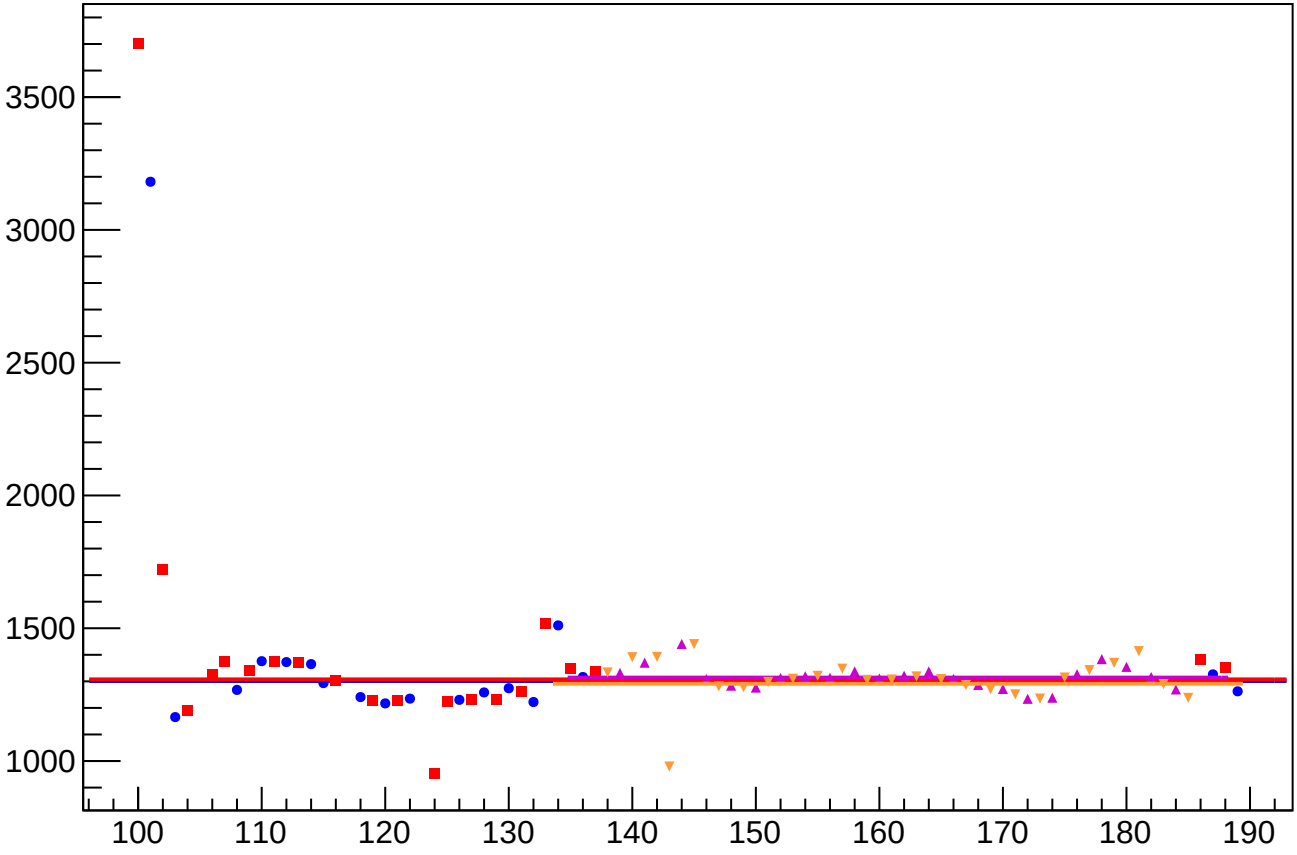
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 156.104+/-249.345 χ^2/NDF: 62.3/42

All: 233.820+/-177.692 χ^2/NDF: 100.3/86

- sign 314.014+/-253.290 χ^2/NDF: 37.7/43

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1301.572+/-0.332 χ^2/NDF: 511789.7/17

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

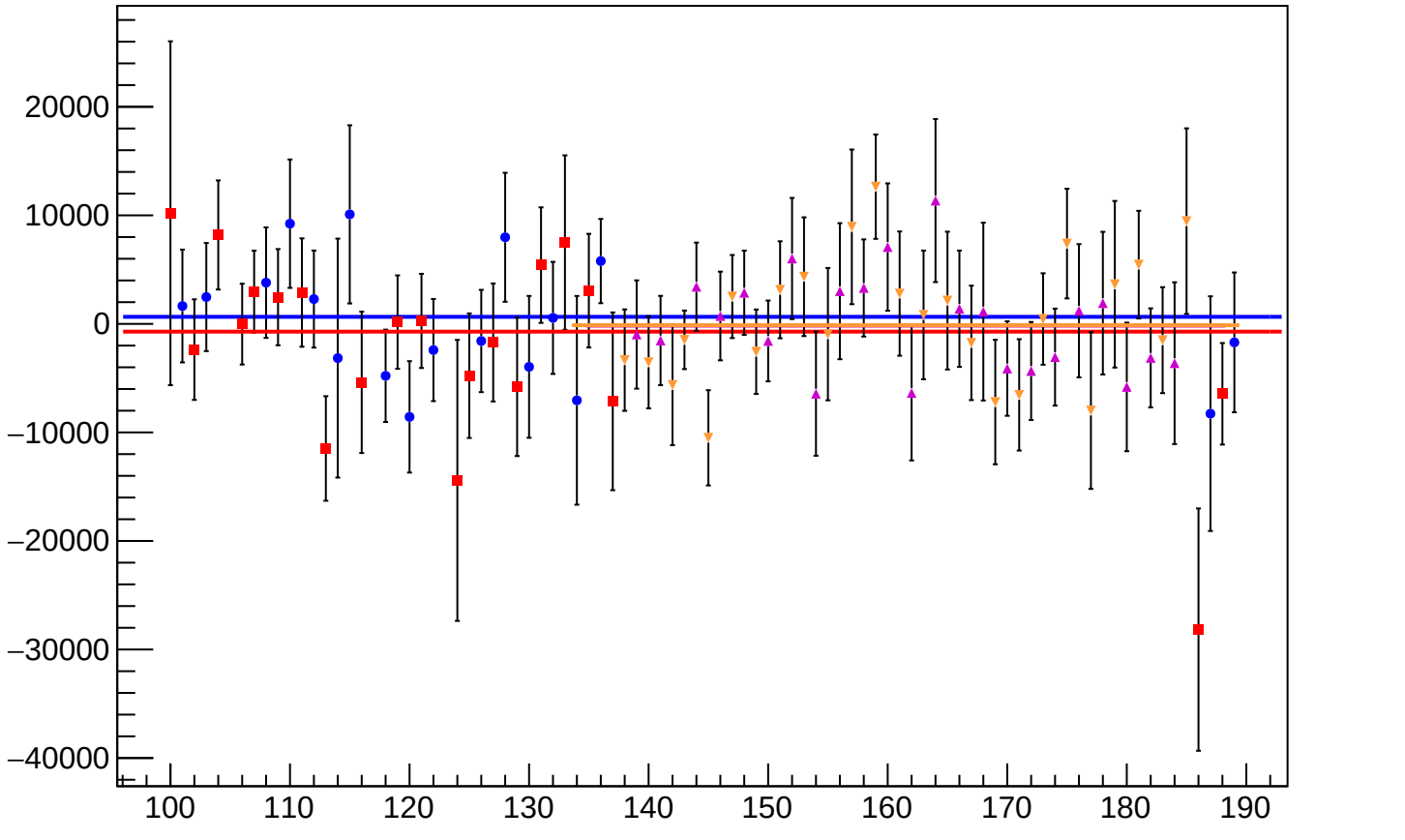
Right Out: 1307.323+/-0.317 χ^2/NDF: 218583.3/20

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1294.132+/-0.176 χ^2/NDF: 743224.0/42

All: 1302.863+/-0.126 χ^2/NDF: 1010136.4/86

- sign 1311.869+/-0.179 χ^2/NDF: 261931.0/43



Right In: 649.628+/-1290.787 χ^2/NDF: 15.0/17

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

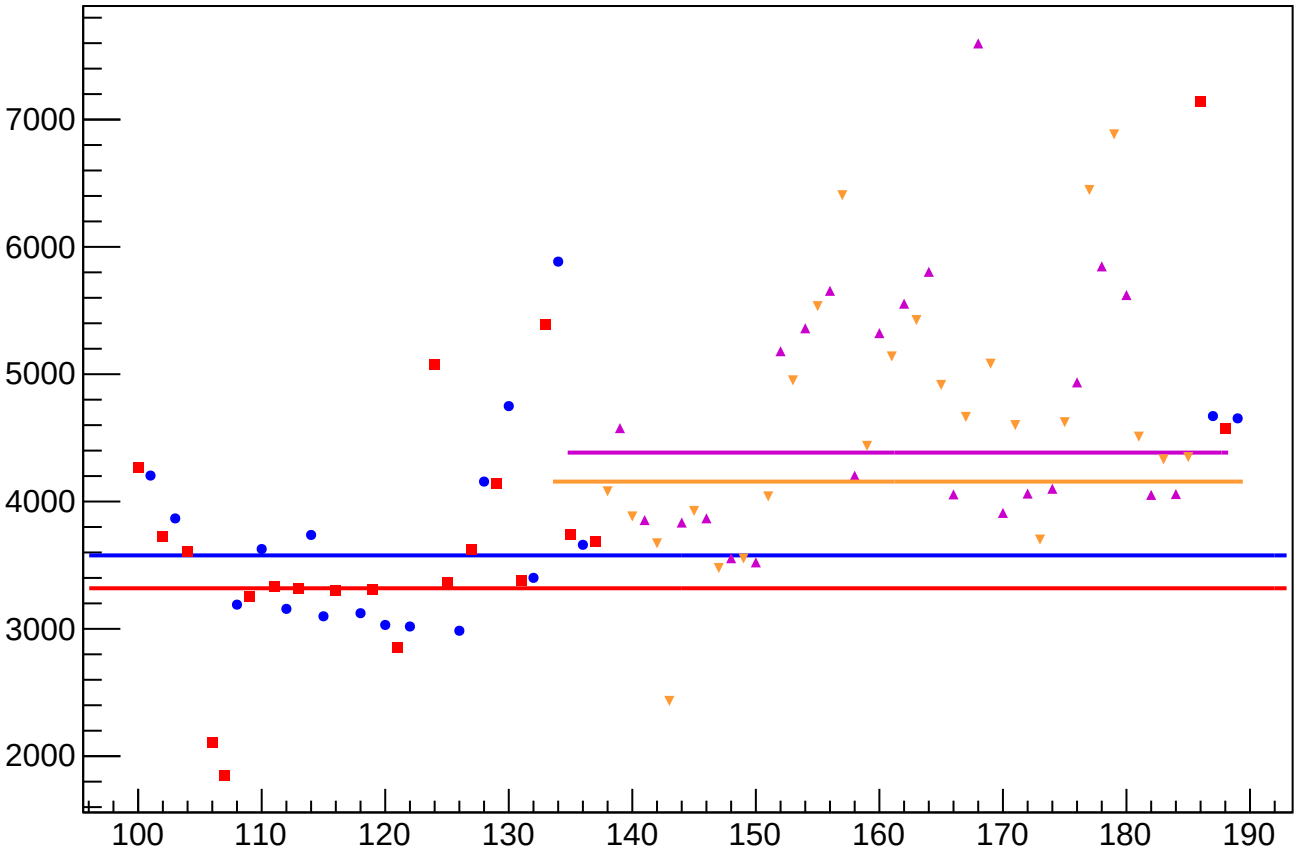
Right Out: -715.172+/-1156.094 χ^2/NDF: 24.7/20

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign 155.784+/-779.128 χ^2/NDF: 43.8/42

All: -128.183+/-549.619 χ^2/NDF: 82.6/86

- sign -409.469+/-775.443 χ^2/NDF: 38.6/43



Right In: 3576.938+/-0.913 χ^2/NDF: 455785.3/17

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

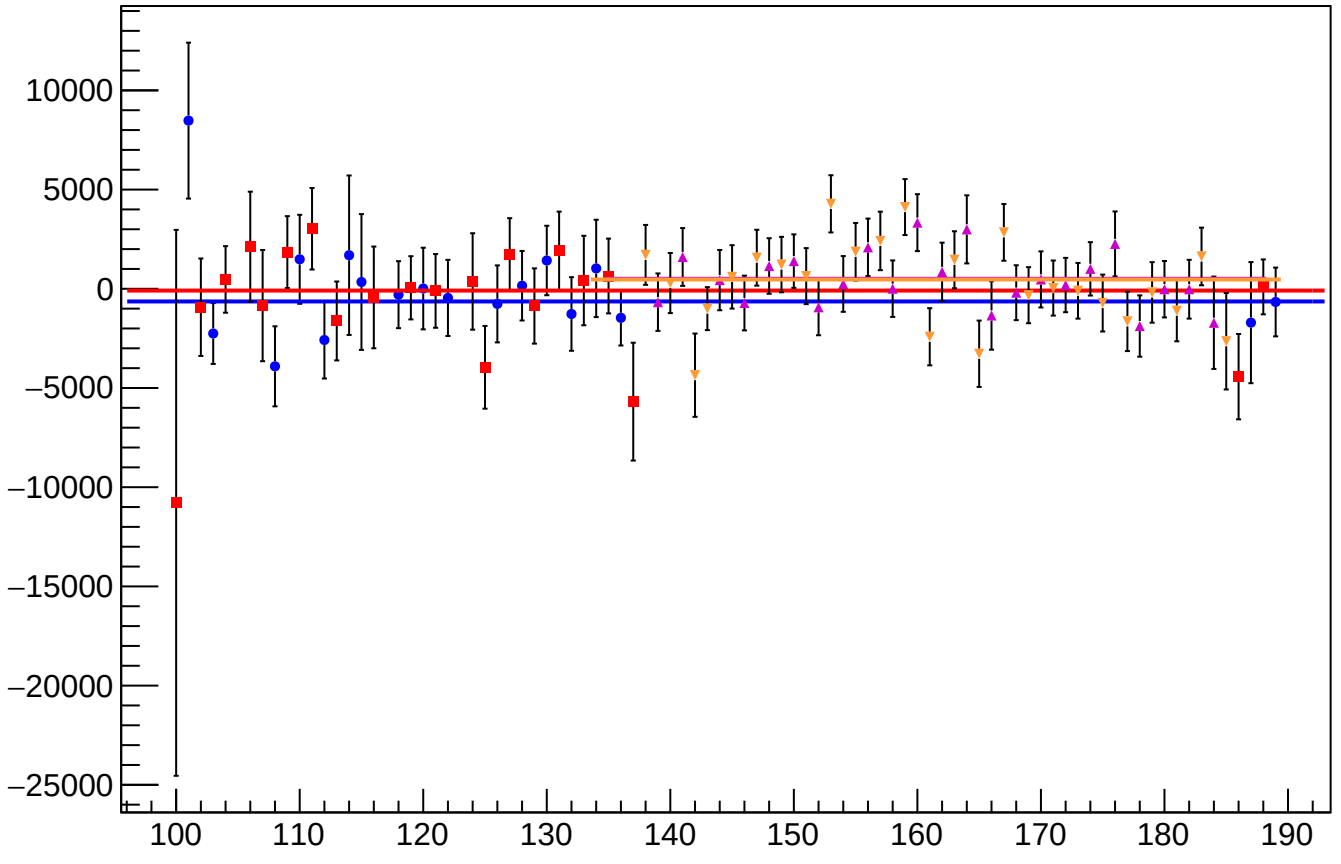
Right Out: 3318.797+/-0.817 χ^2/NDF: 1172344.7/20

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 3945.393+/-0.551 χ^2/NDF: 2792920.9/42

All: 3925.074+/-0.389 χ^2/NDF: 6158021.3/86

- sign 3904.946+/-0.548 χ^2/NDF: 3362392.6/43



Right In: -637.994+/-469.578 χ^2/NDF: 14.2/17

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -89.613+/-448.080 χ^2/NDF: 19.1/20

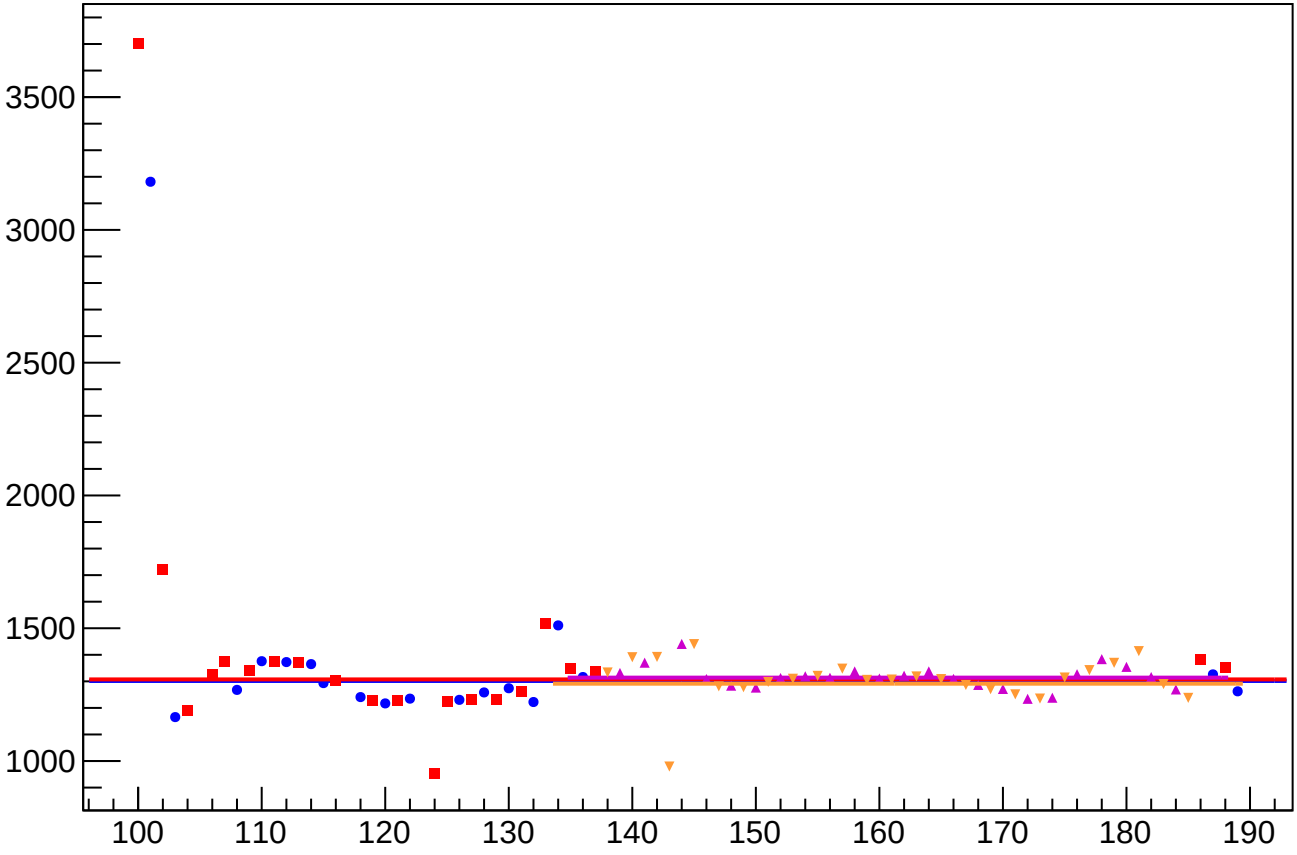
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 156.106+/-249.346 χ^2/NDF: 62.3/42

All: 233.822+/-177.692 χ^2/NDF: 100.3/86

- sign 314.016+/-253.290 χ^2/NDF: 37.7/43

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1301.572+/-0.332 χ^2/NDF: 511789.8/17

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

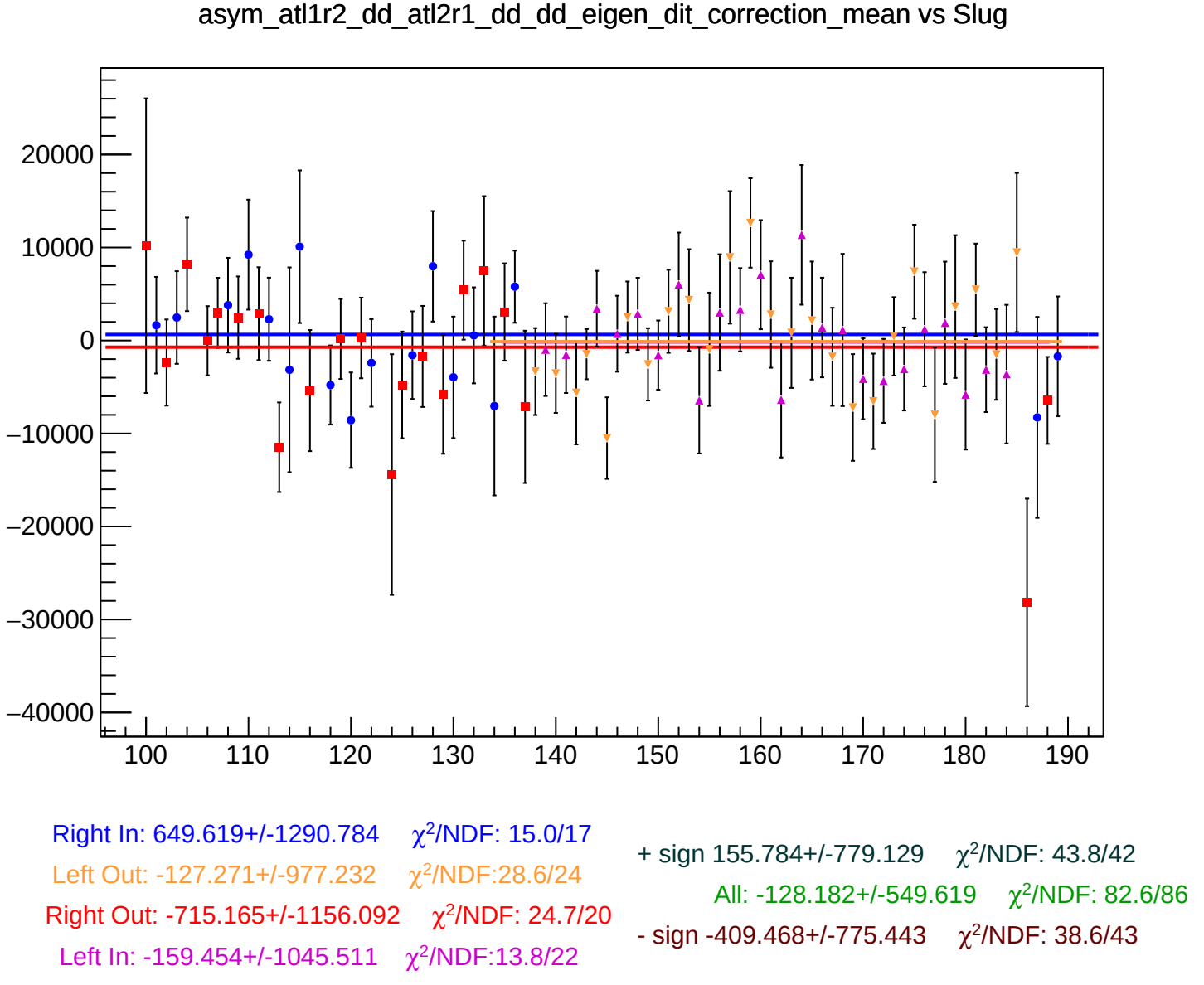
Right Out: 1307.323+/-0.317 χ^2/NDF: 218583.4/20

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1294.133+/-0.176 χ^2/NDF: 743226.4/42

All: 1302.864+/-0.126 χ^2/NDF: 1010141.1/86

- sign 1311.870+/-0.179 χ^2/NDF: 261933.3/43


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs Slug
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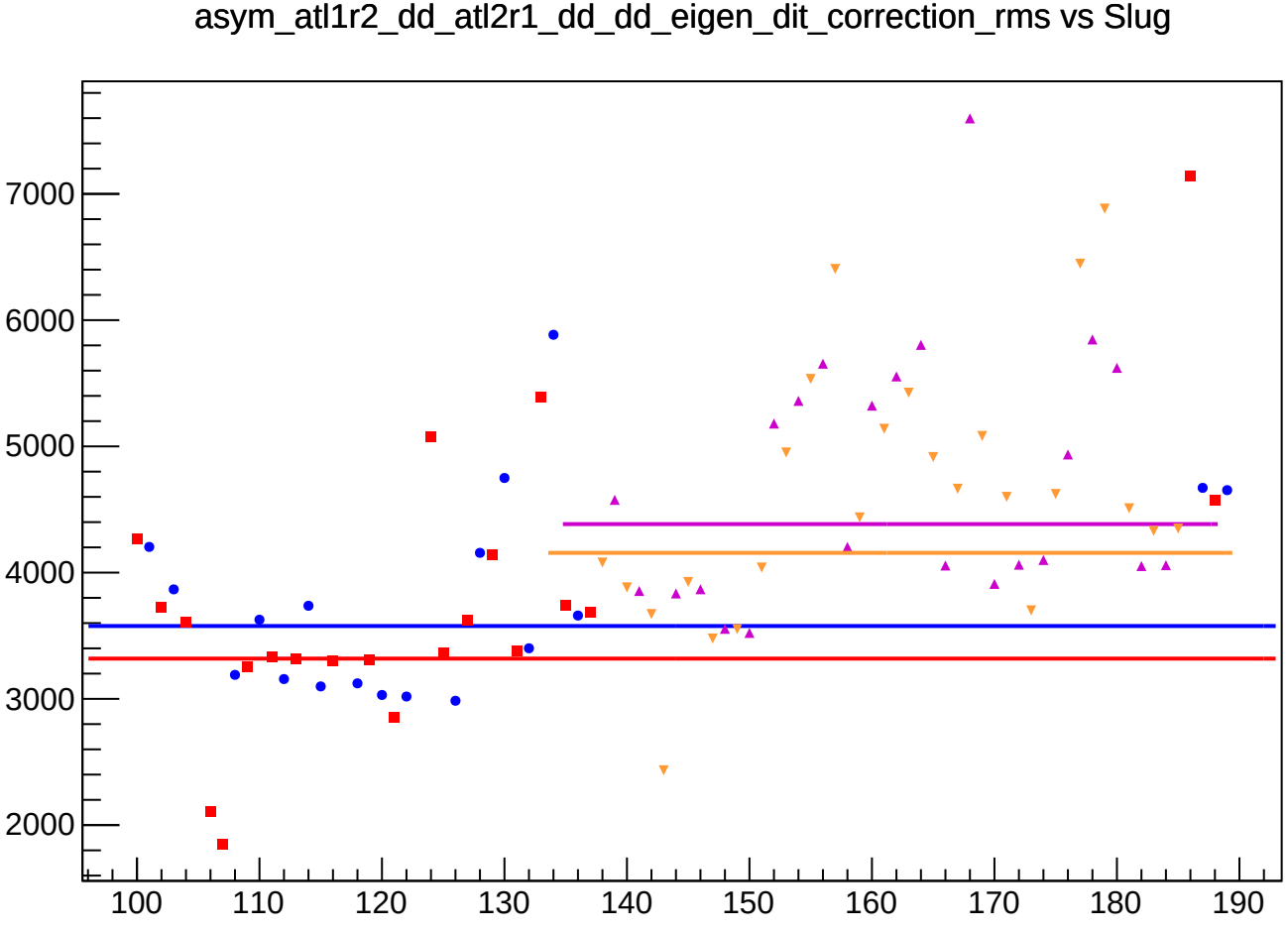
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: 649.619+/-1290.784 χ²/NDF: 15.0/17
Left Out: -127.271+/-977.232 χ²/NDF:28.6/24
Right Out: -715.165+/-1156.092 χ²/NDF: 24.7/20
Left In: -159.454+/-1045.511 χ²/NDF:13.8/22
+ sign 155.784+/-779.129 χ²/NDF: 43.8/42
All: -128.182+/-549.619 χ²/NDF: 82.6/86
- sign -409.468+/-775.443 χ²/NDF: 38.6/43



Right In: 3576.930+/-0.913 χ^2/NDF: 455791.5/17

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3318.790+/-0.817 χ^2/NDF: 1172350.5/20

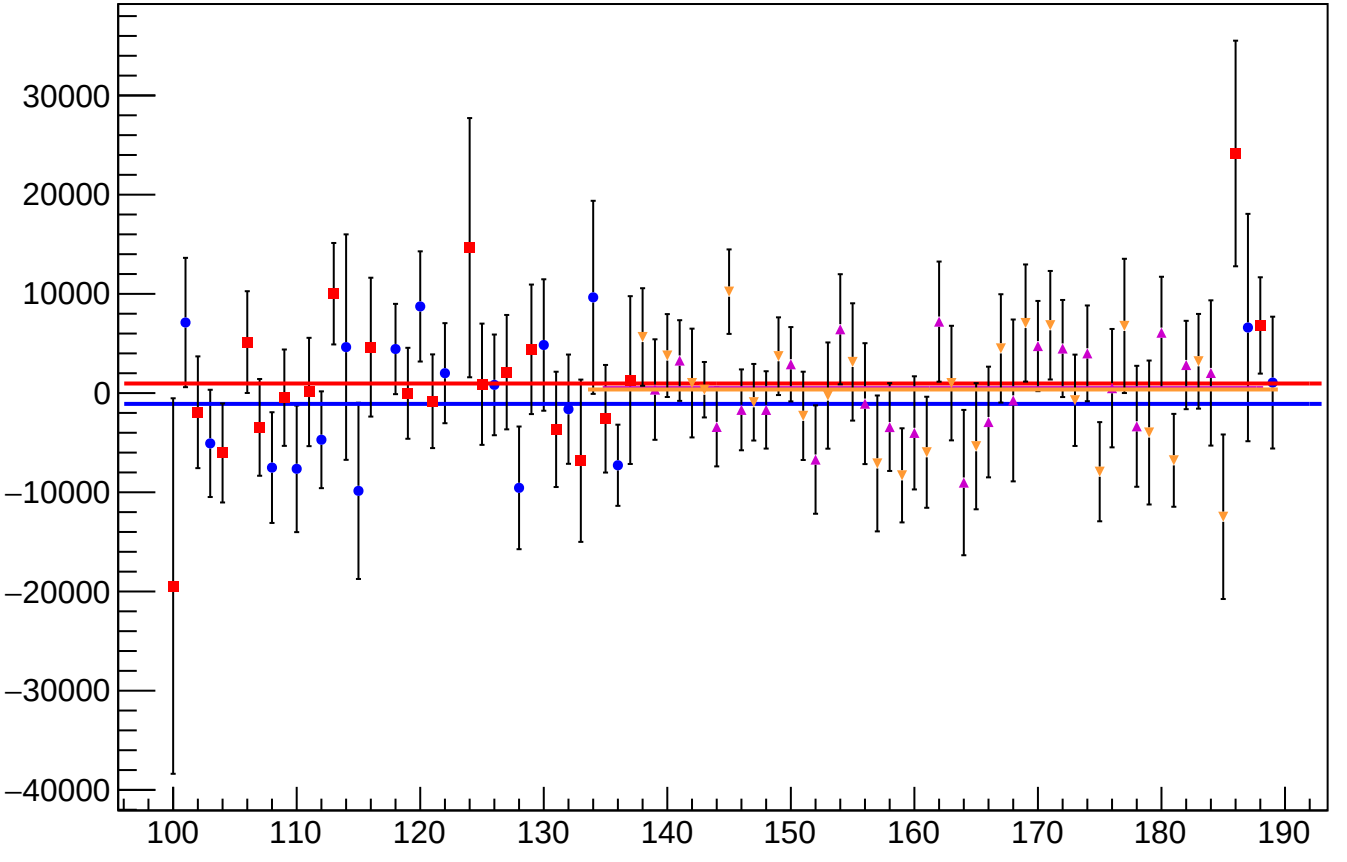
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

\+ sign 3945.393+/-0.551 χ^2/NDF: 2792943.8/42

All: 3925.073+/-0.389 χ^2/NDF: 6158080.4/86

\- sign 3904.944+/-0.548 χ^2/NDF: 3362428.5/43

asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -1089.614+/-1389.186 χ^2/NDF: 18.2/17

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 964.766+/-1280.004 χ^2/NDF: 17.6/20

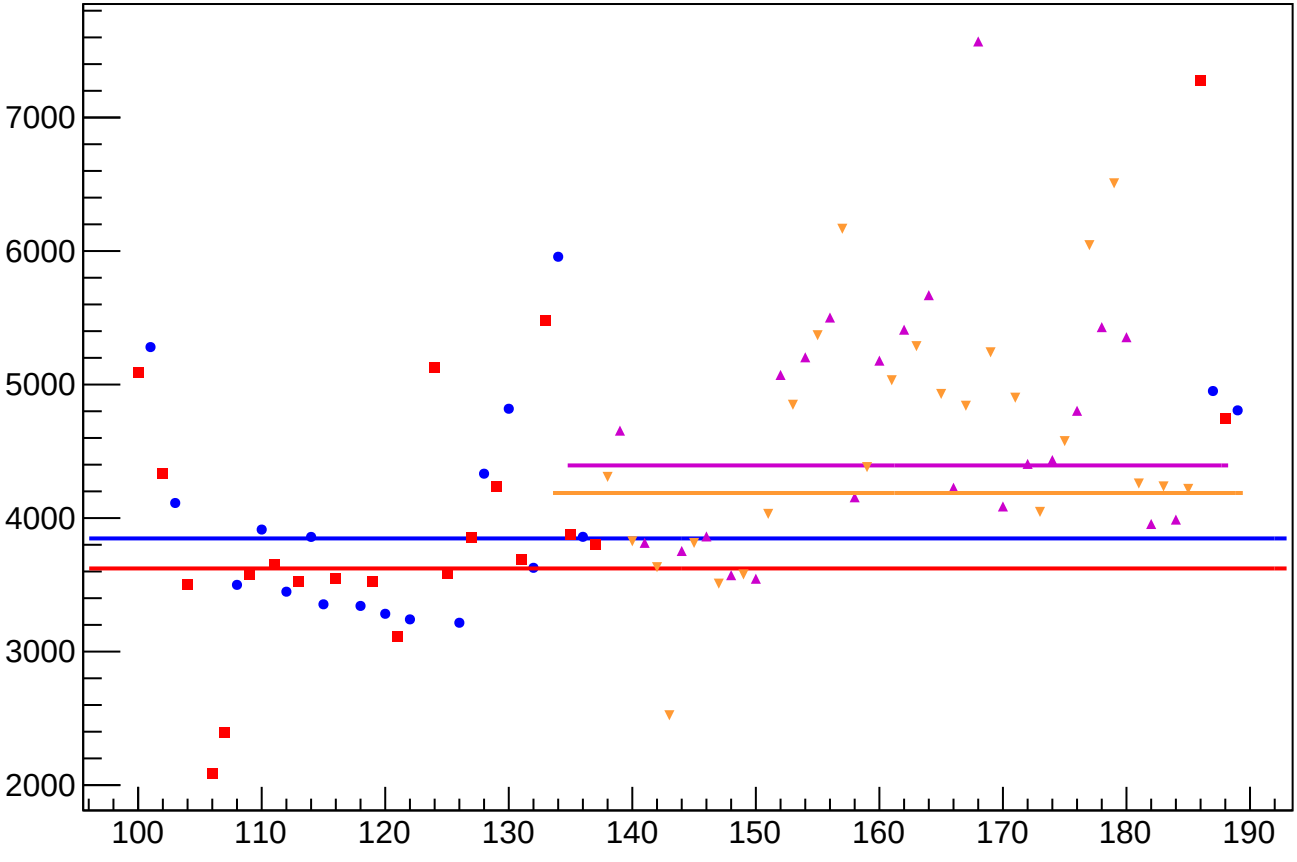
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign -119.914+/-800.716 χ^2/NDF: 46.5/42

All: 277.894+/-569.221 χ^2/NDF: 78.6/86

- sign 684.331+/-809.354 χ^2/NDF: 31.6/43

asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 3847.536+/-0.982 χ^2/NDF: 446964.5/17

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

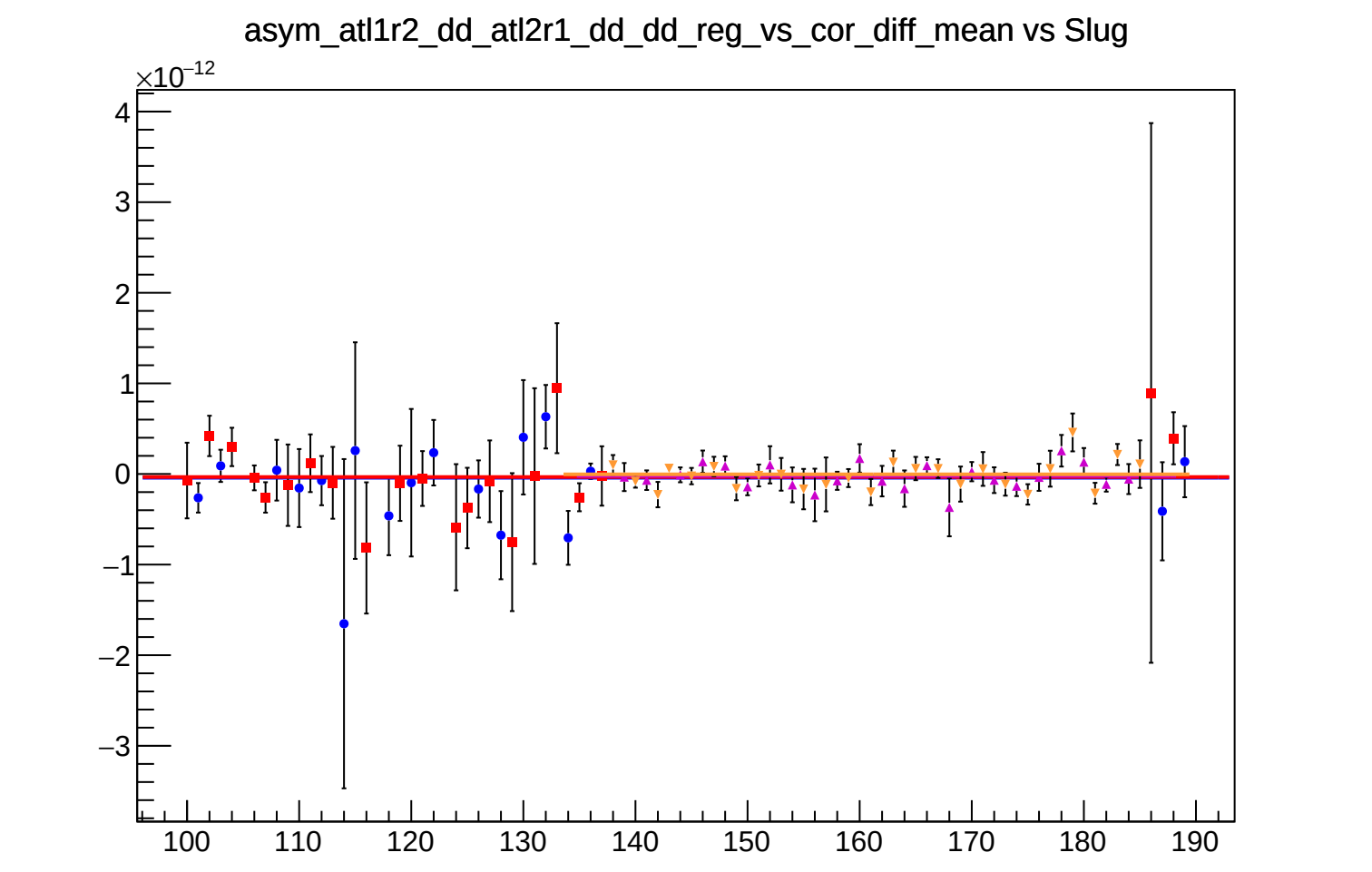
Right Out: 3622.693+/-0.894 χ^2/NDF: 921143.5/20

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

\+ sign 4074.786+/-0.566 χ^2/NDF: 2323459.3/42

All: 4077.943+/-0.401 χ^2/NDF: 4775910.5/86

\- sign 4081.135+/-0.569 χ^2/NDF: 2452388.7/43



Right In: -0.000+/-0.000 χ^2/NDF: 17.3/17

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

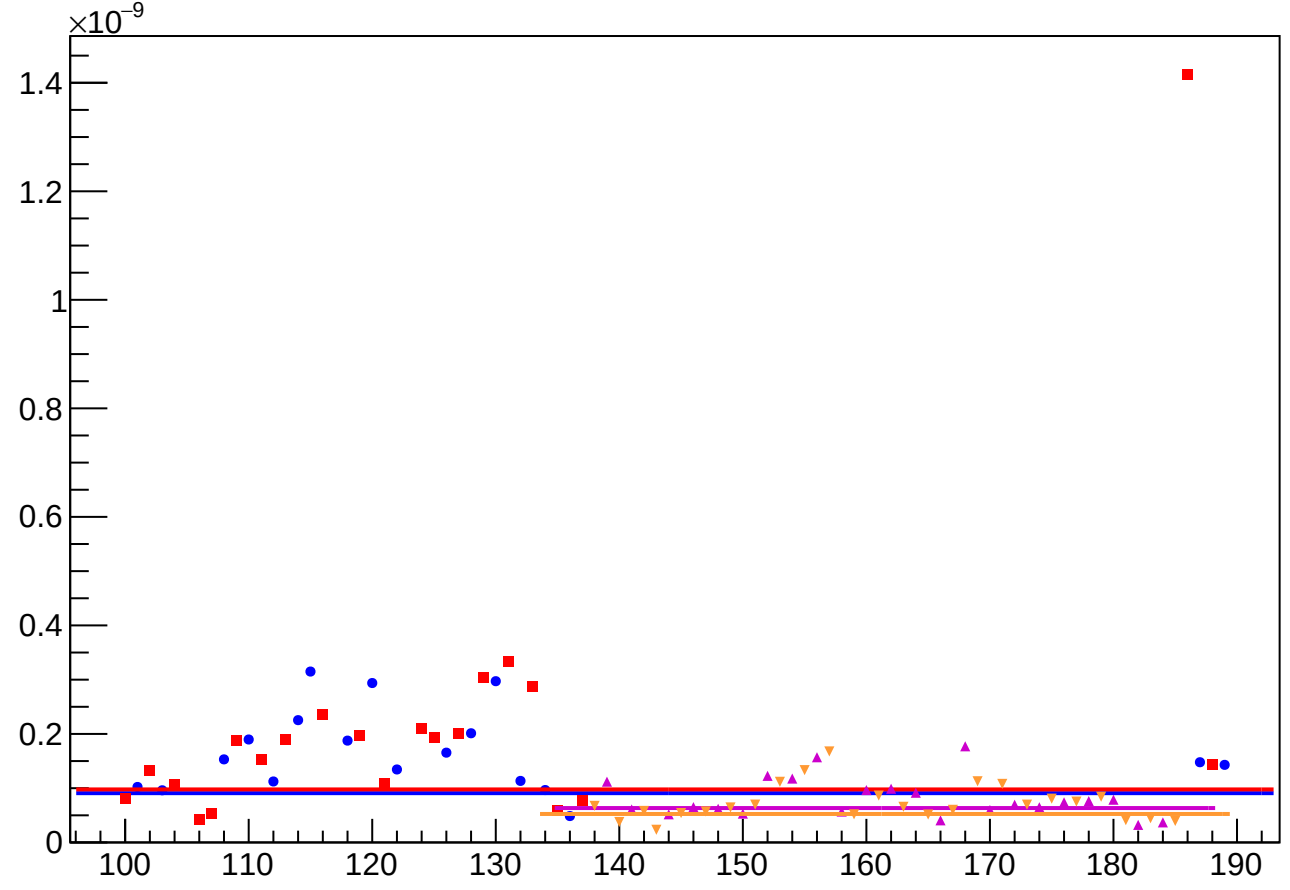
Right Out: -0.000+/-0.000 χ^2/NDF: 18.3/20

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.1/42

All: -0.000+/-0.000 χ^2/NDF: 83.7/86

- sign -0.000+/-0.000 χ^2/NDF: 35.3/43



Right In: 0.000+/-0.000 χ^2/NDF: 1520132.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

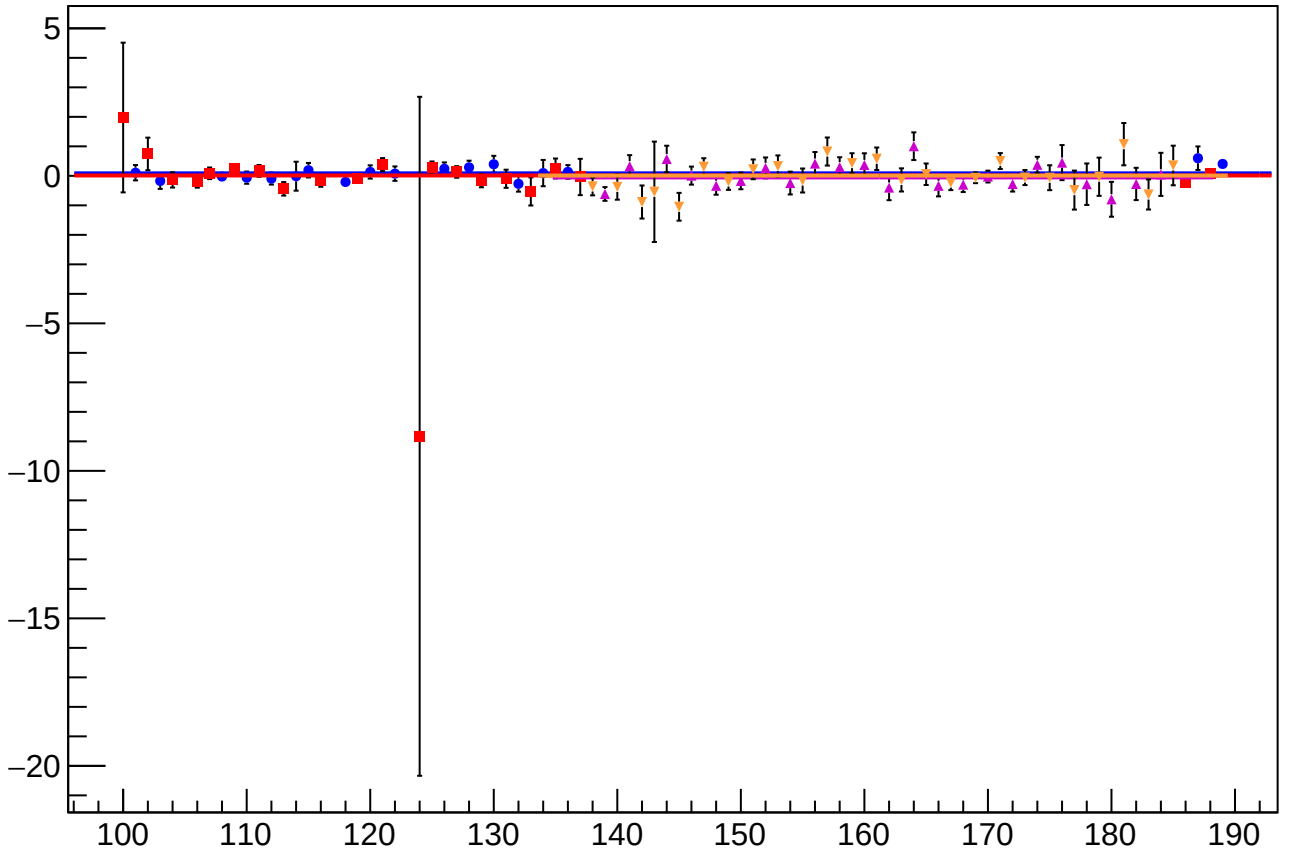
Right Out: 0.000+/-0.000 χ^2/NDF: 2182752.7/20

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 4910675.9/42

All: 0.000+/-0.000 χ^2/NDF: 9640579.9/86

- sign 0.000+/-0.000 χ^2/NDF: 4485941.2/43



Right In: 0.085+/-0.053 χ^2/NDF: 16.5/17

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

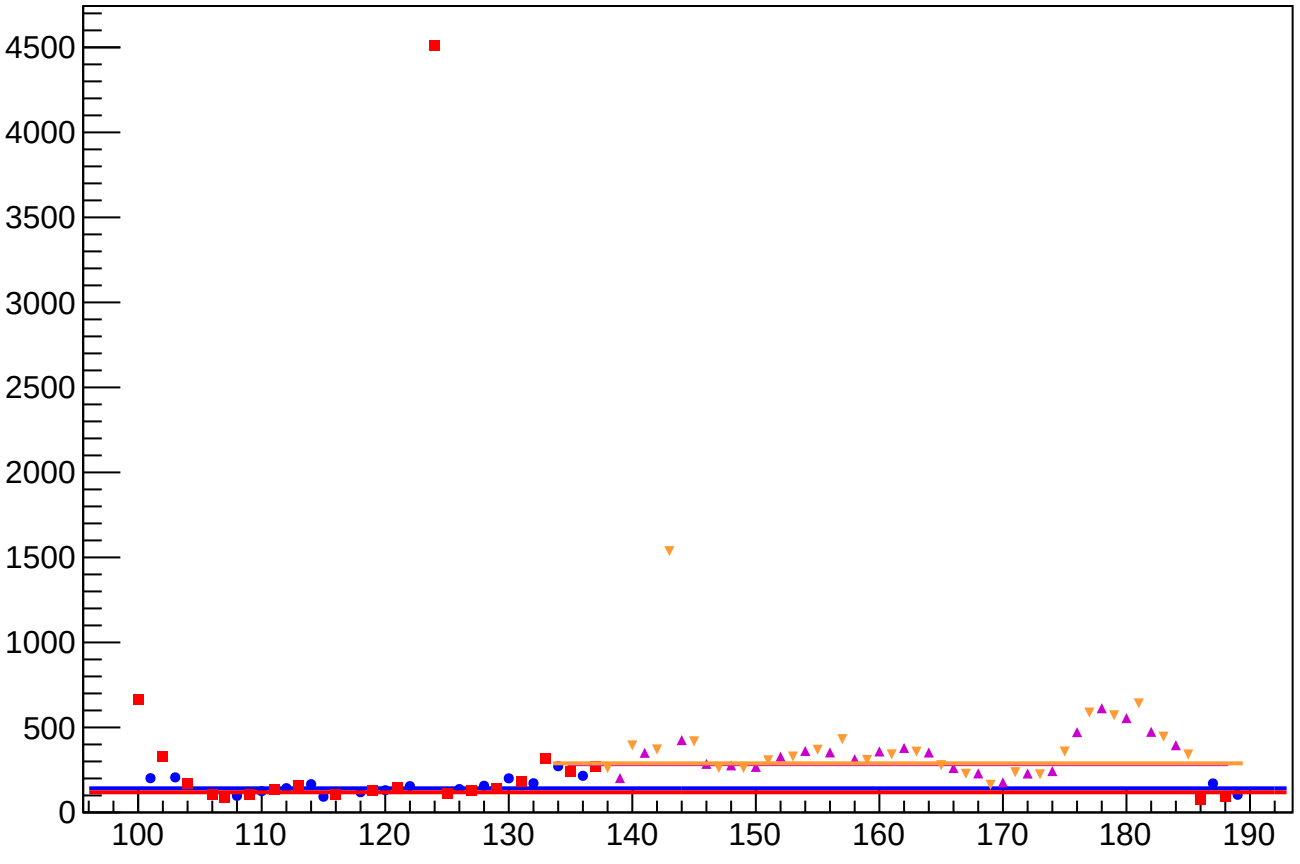
Right Out: 0.013+/-0.045 χ^2/NDF: 24.7/20

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.057+/-0.043 χ^2/NDF: 46.1/42

All: 0.022+/-0.028 χ^2/NDF: 100.5/86

- sign -0.006+/-0.038 χ^2/NDF: 53.1/43



Right In: 141.924+/-0.038 χ^2/NDF: 1149472.7/17

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 118.570+/-0.032 χ^2/NDF: 2147690.3/20

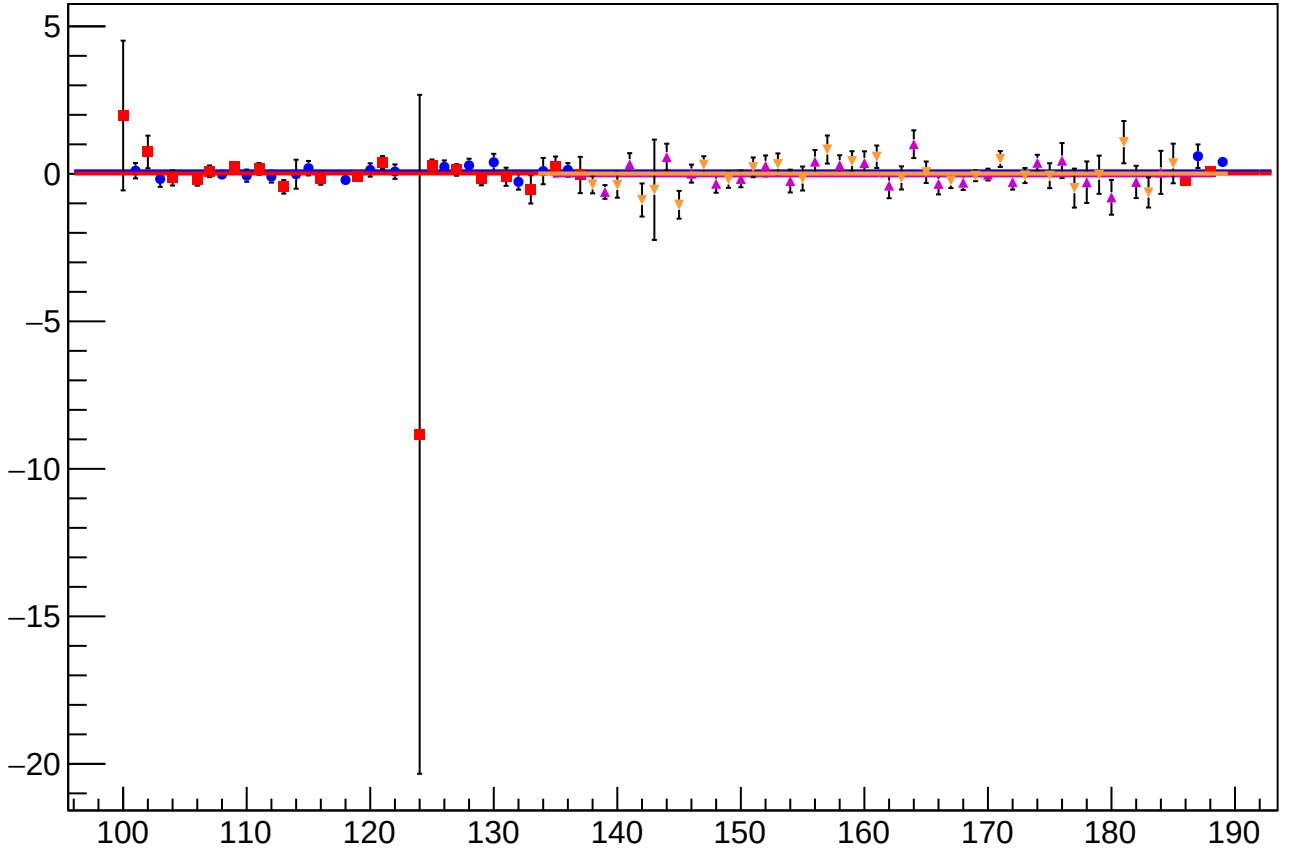
Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 195.074+/-0.030 χ^2/NDF: 11268159.1/42

All: 178.978+/-0.020 χ^2/NDF: 24872287.2/86

- sign 166.354+/-0.027 χ^2/NDF: 13097139.0/43

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.085+/-0.053 χ^2/NDF: 16.5/17

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

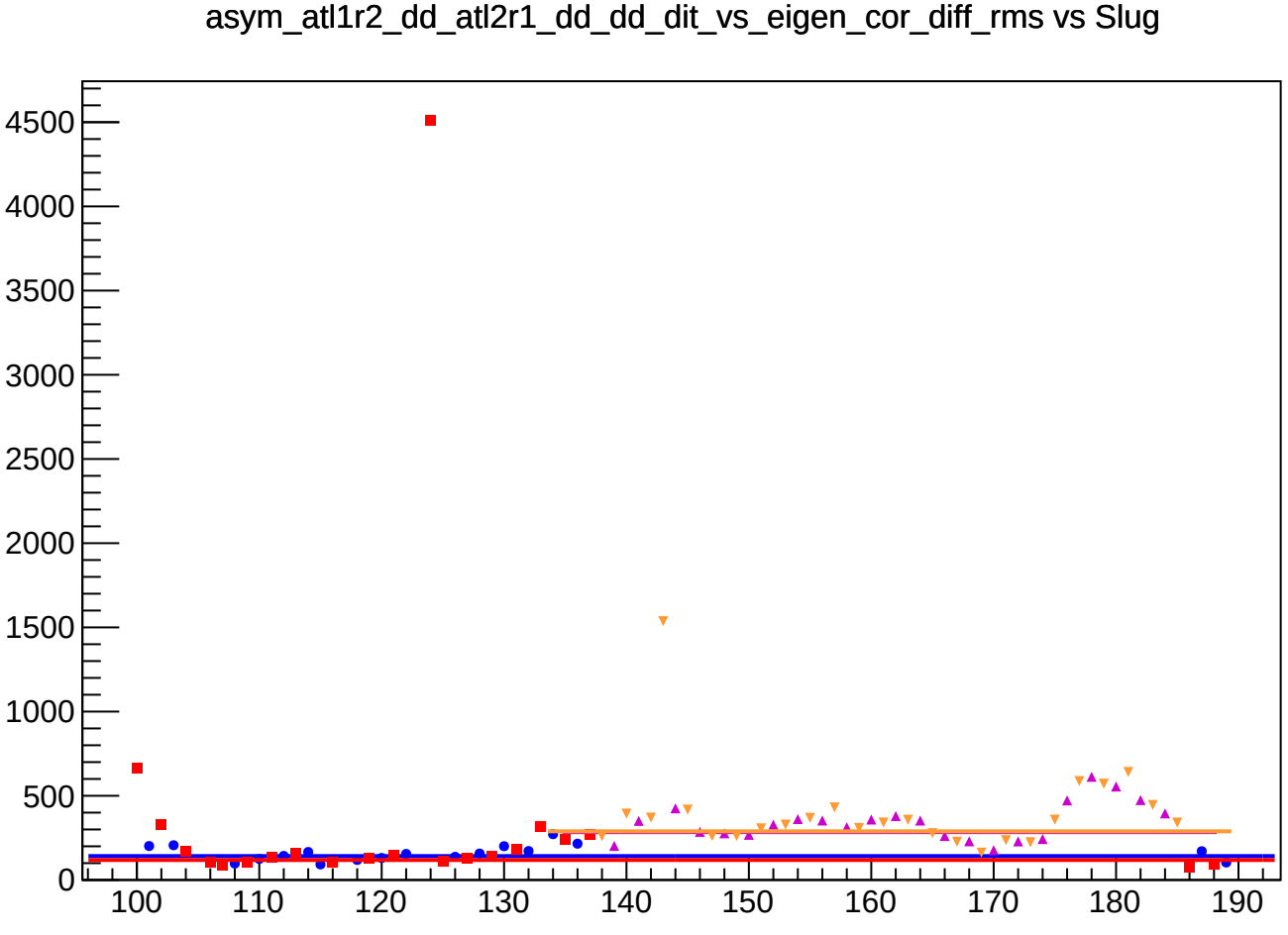
Right Out: 0.013+/-0.045 χ^2/NDF: 24.7/20

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.057+/-0.043 χ^2/NDF: 46.1/42

All: 0.022+/-0.028 χ^2/NDF: 100.5/86

- sign -0.006+/-0.038 χ^2/NDF: 53.1/43


asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug
4500
4000
3500
3000
2500
2000
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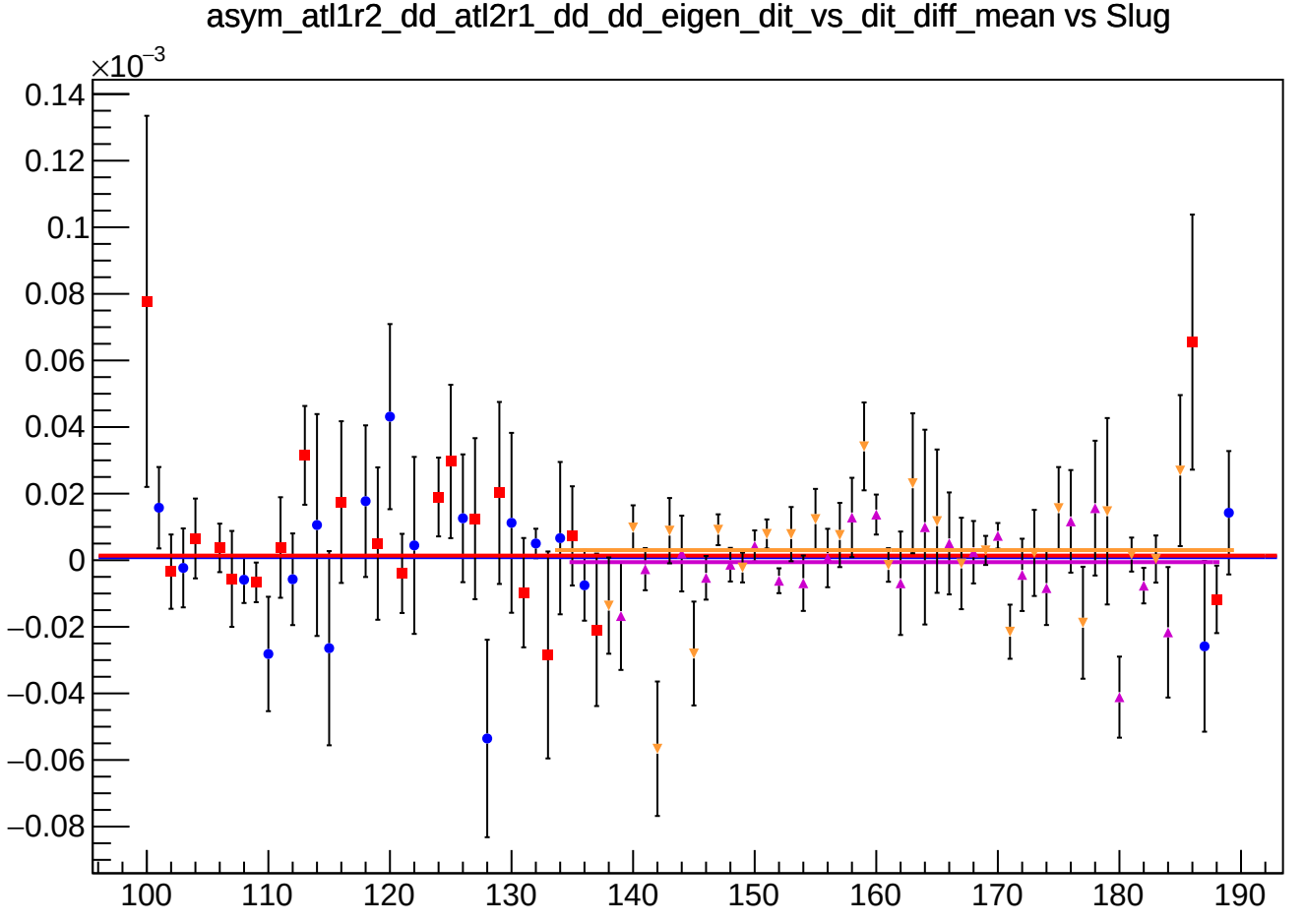
500
0
100
110
120
130
140
150
160
170
180
190
Right In: 141.924+/-0.038 χ²/NDF: 1149472.7/17
Left Out: 288.922+/-0.050 χ²/NDF:4648197.0/24
Right Out: 118.570+/-0.032 χ²/NDF: 2147690.3/20
Left In: 284.168+/-0.050 χ²/NDF:3077521.1/22
+ sign 195.074+/-0.030 χ²/NDF: 11268159.1/42
All: 178.978+/-0.020 χ²/NDF: 24872287.2/86
- sign 166.354+/-0.027 χ²/NDF: 13097139.0/43



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/17

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

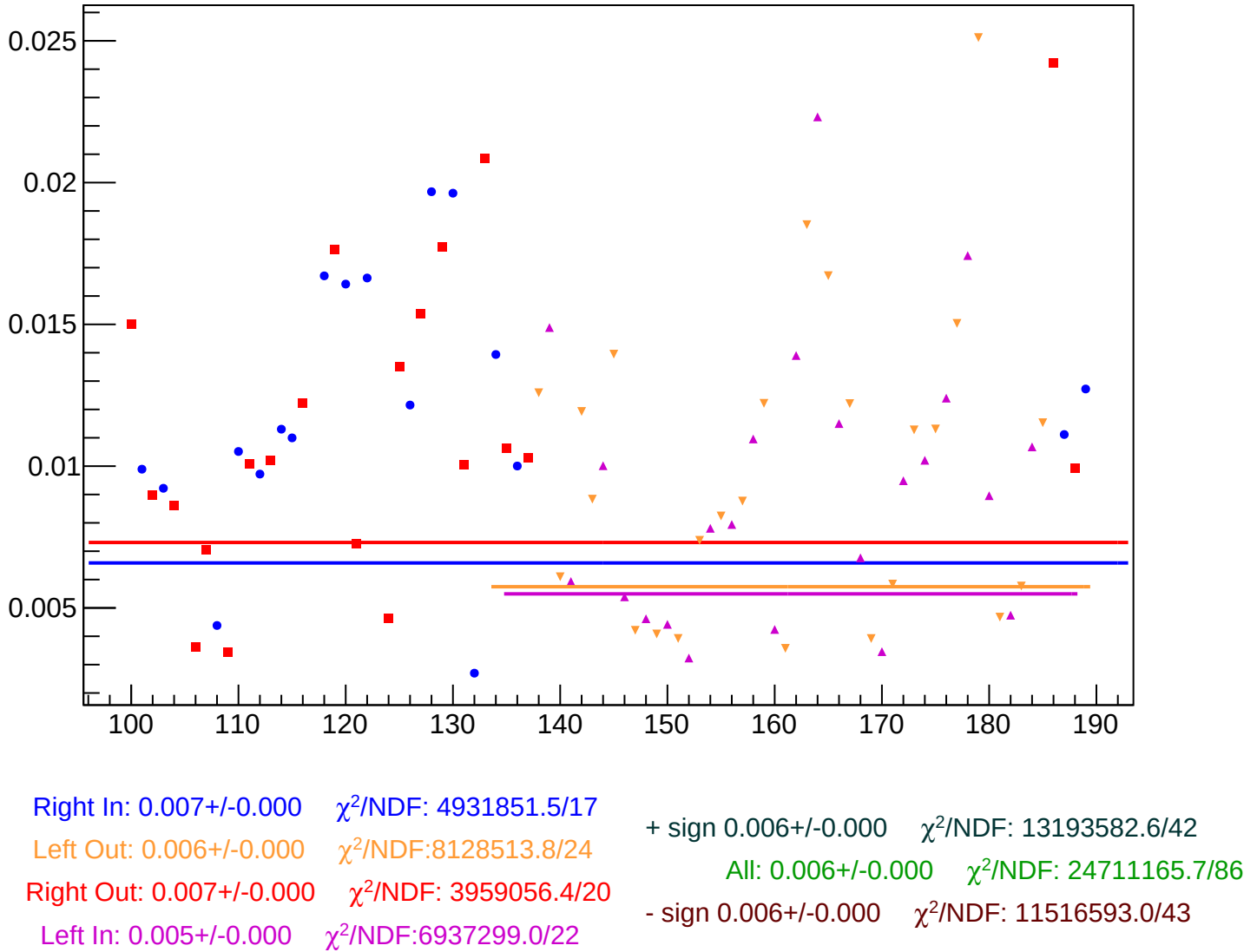
Right Out: 0.000+/-0.000 χ^2/NDF: 20.6/20

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

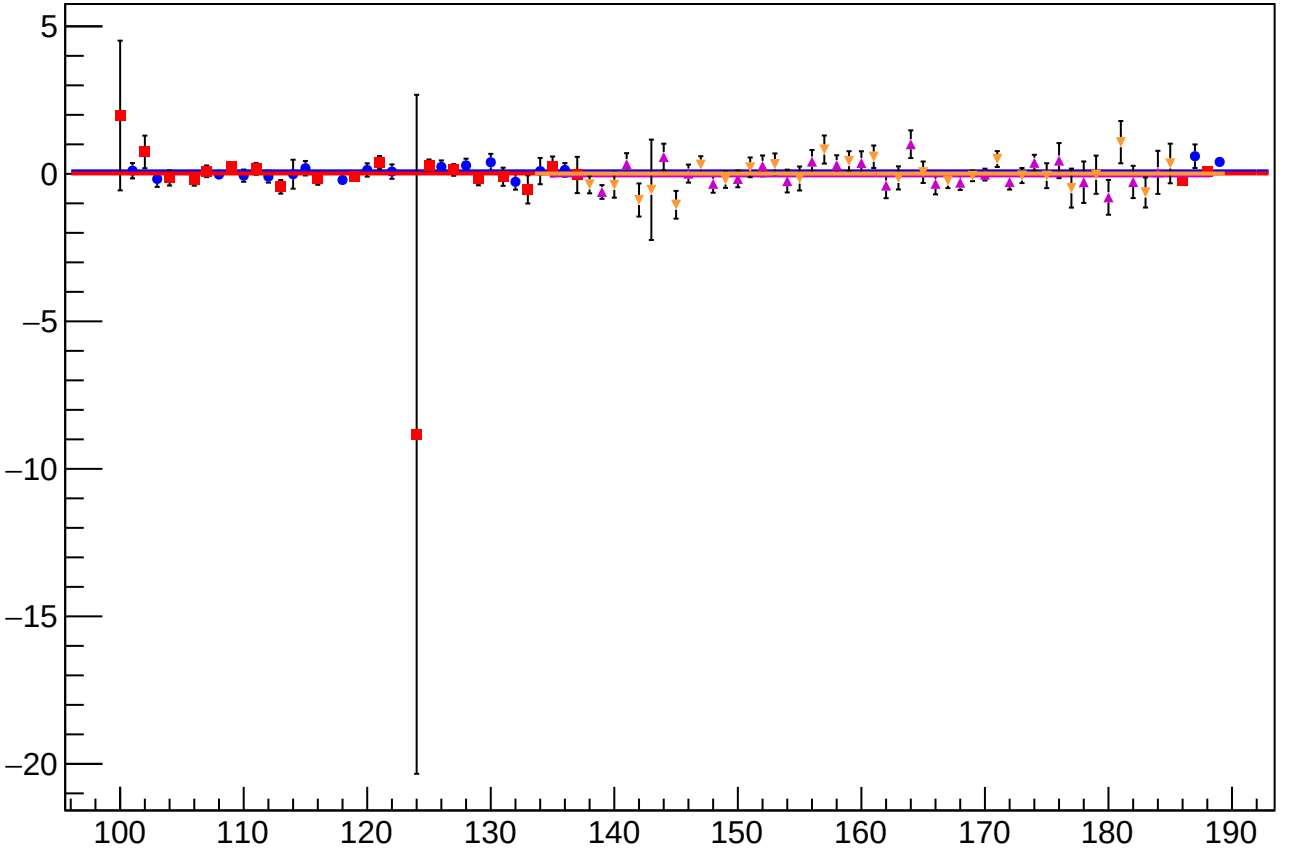
+ sign 0.000+/-0.000 χ^2/NDF: 59.1/42

All: 0.000+/-0.000 χ^2/NDF: 115.3/86

- sign -0.000+/-0.000 χ^2/NDF: 54.1/43


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
180
190
Right In: 0.007+/-0.000 χ²/NDF: 4931851.5/17
Left Out: 0.006+/-0.000 χ²/NDF:8128513.8/24
Right Out: 0.007+/-0.000 χ²/NDF: 3959056.4/20
Left In: 0.005+/-0.000 χ²/NDF:6937299.0/22
+ sign 0.006+/-0.000 χ²/NDF: 13193582.6/42
All: 0.006+/-0.000 χ²/NDF: 24711165.7/86
- sign 0.006+/-0.000 χ²/NDF: 11516593.0/43

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.085+/-0.053 χ^2/NDF: 16.5/17

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

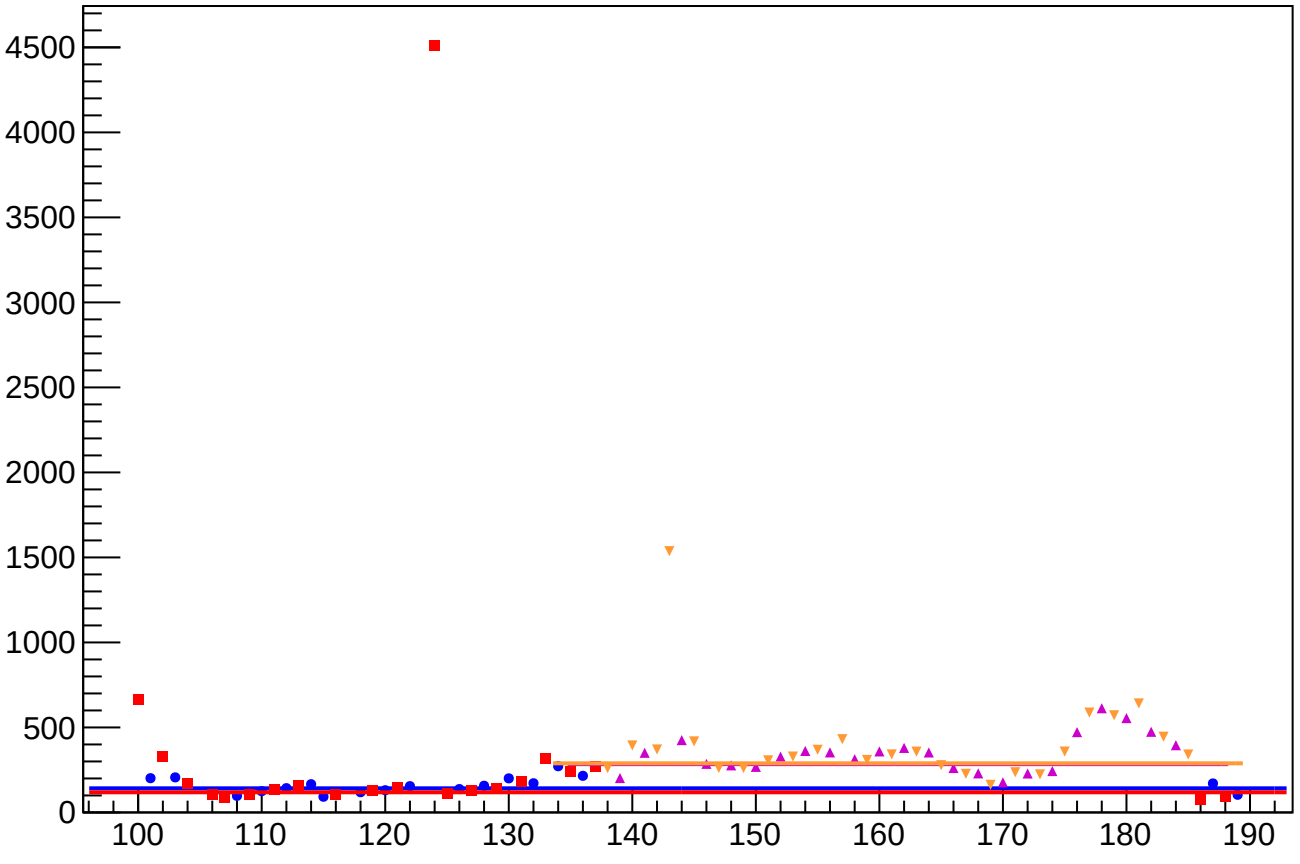
Right Out: 0.013+/-0.045 χ^2/NDF: 24.7/20

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.057+/-0.043 χ^2/NDF: 46.1/42

All: 0.022+/-0.028 χ^2/NDF: 100.5/86

- sign -0.006+/-0.038 χ^2/NDF: 53.1/43



Right In: 141.923+/-0.038 χ^2/NDF: 1149435.7/17

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 118.572+/-0.032 χ^2/NDF: 2147574.0/20

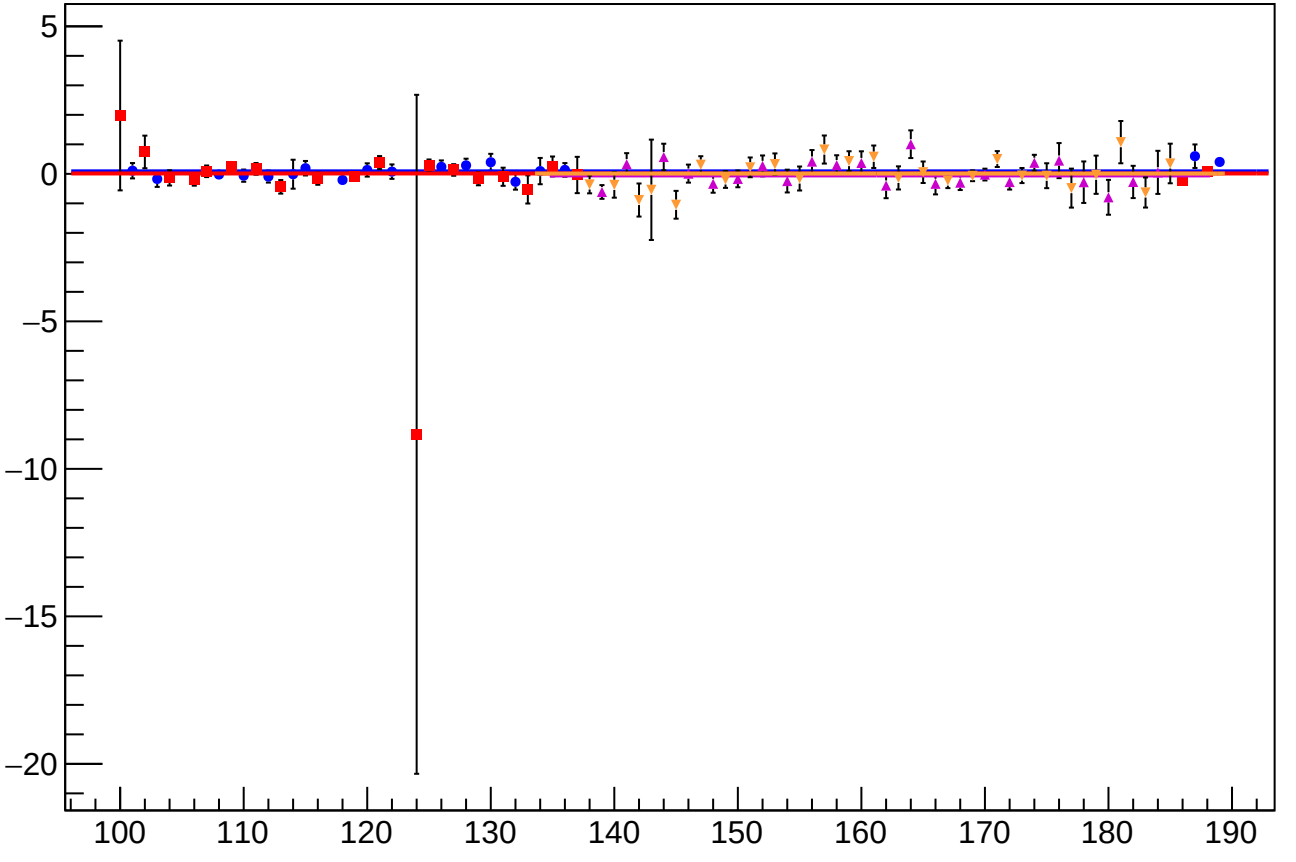
Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 195.073+/-0.030 χ^2/NDF: 11268366.3/42

All: 178.979+/-0.020 χ^2/NDF: 24872205.4/86

- sign 166.356+/-0.027 χ^2/NDF: 13096958.9/43

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.085+/-0.053 χ^2/NDF: 16.5/17

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

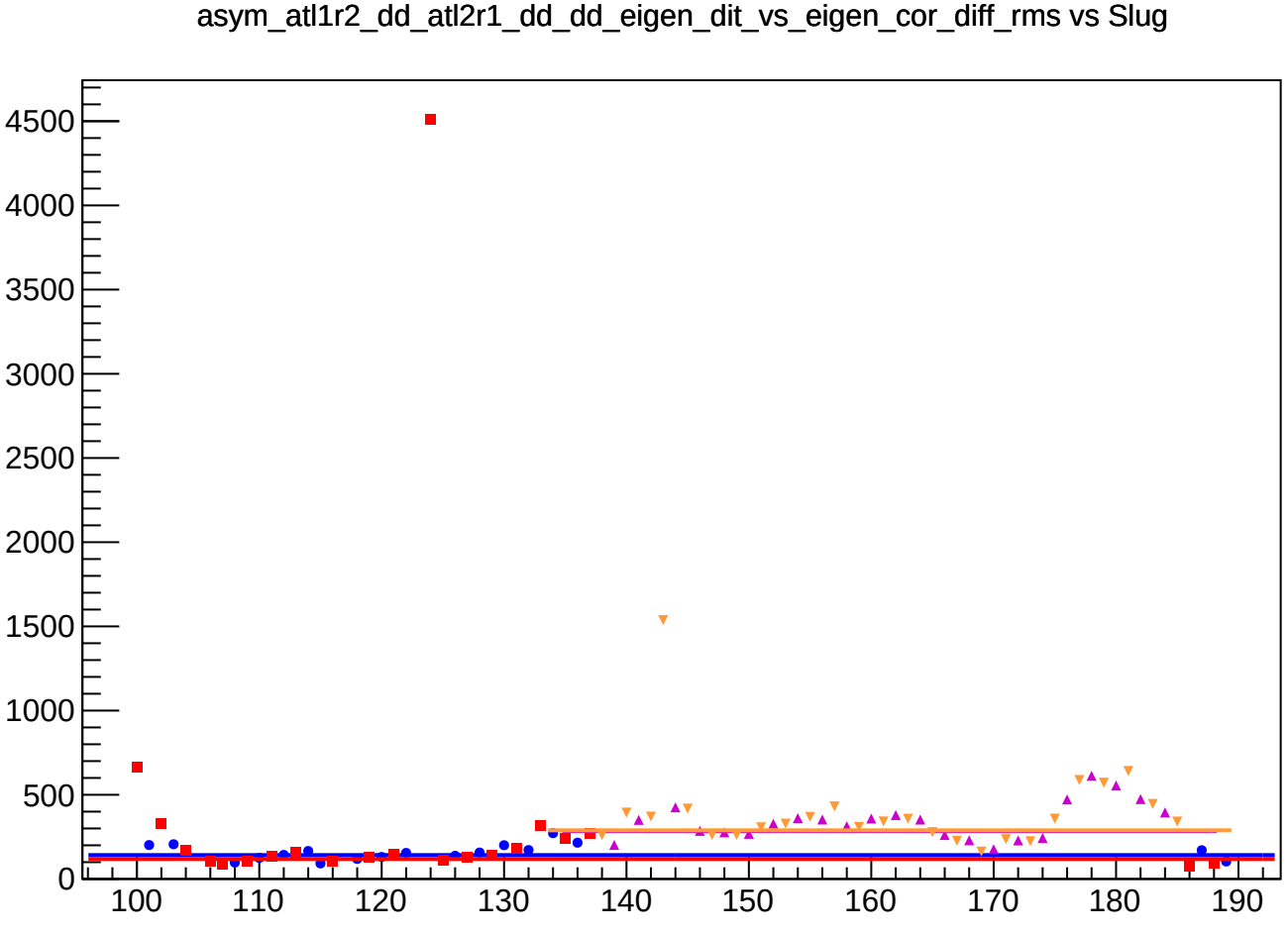
Right Out: 0.013+/-0.045 χ^2/NDF: 24.7/20

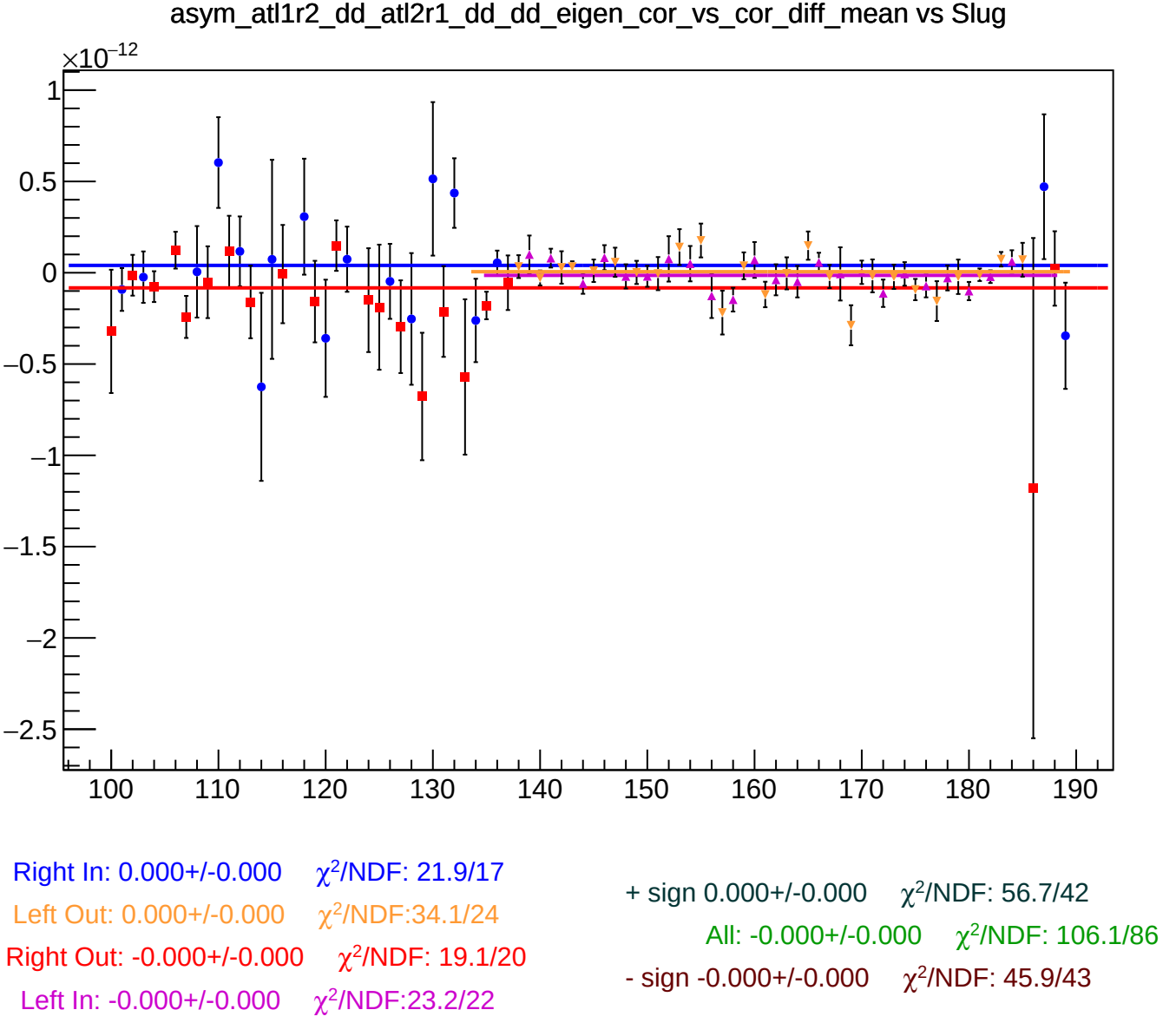
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

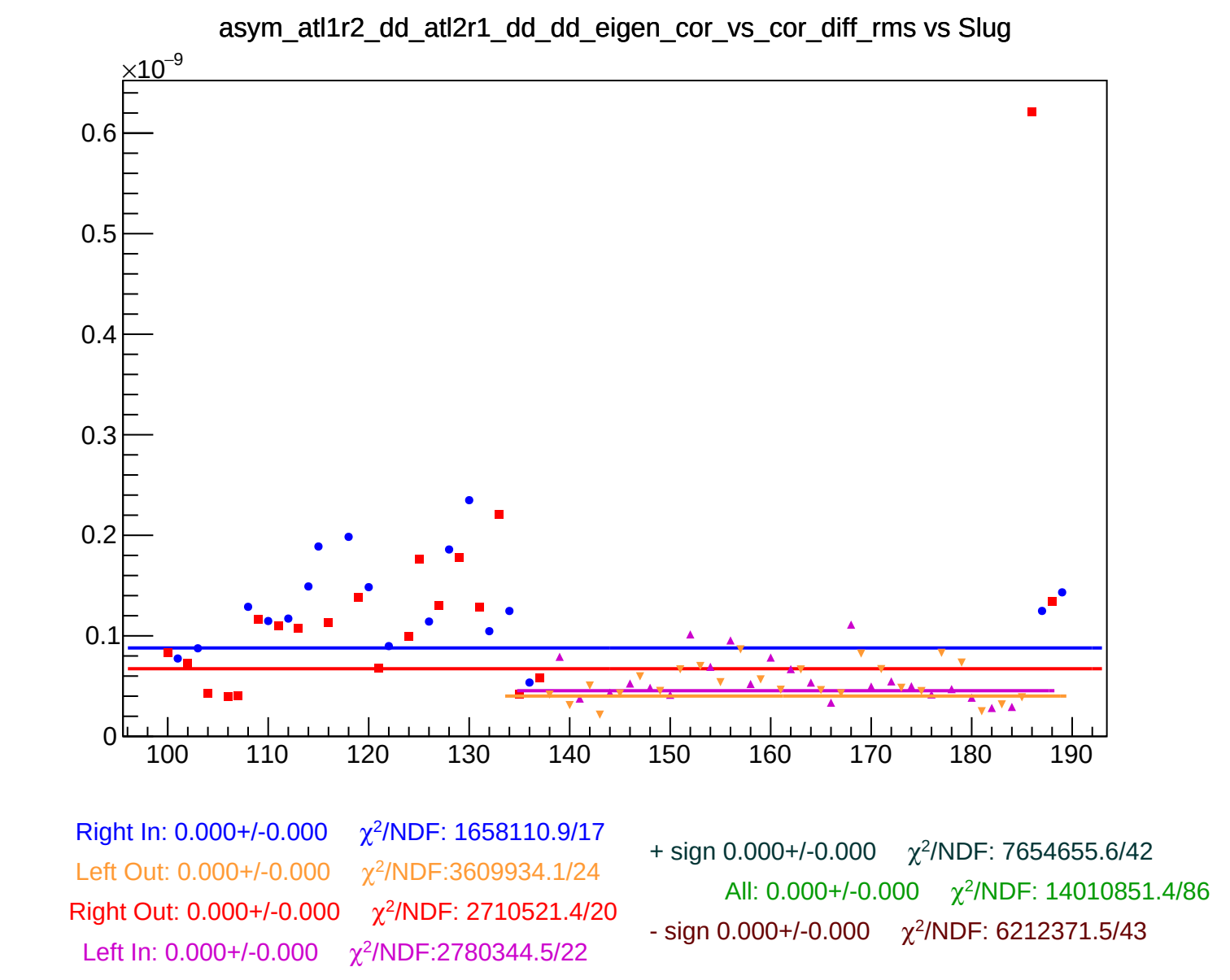
+ sign 0.057+/-0.043 χ^2/NDF: 46.1/42

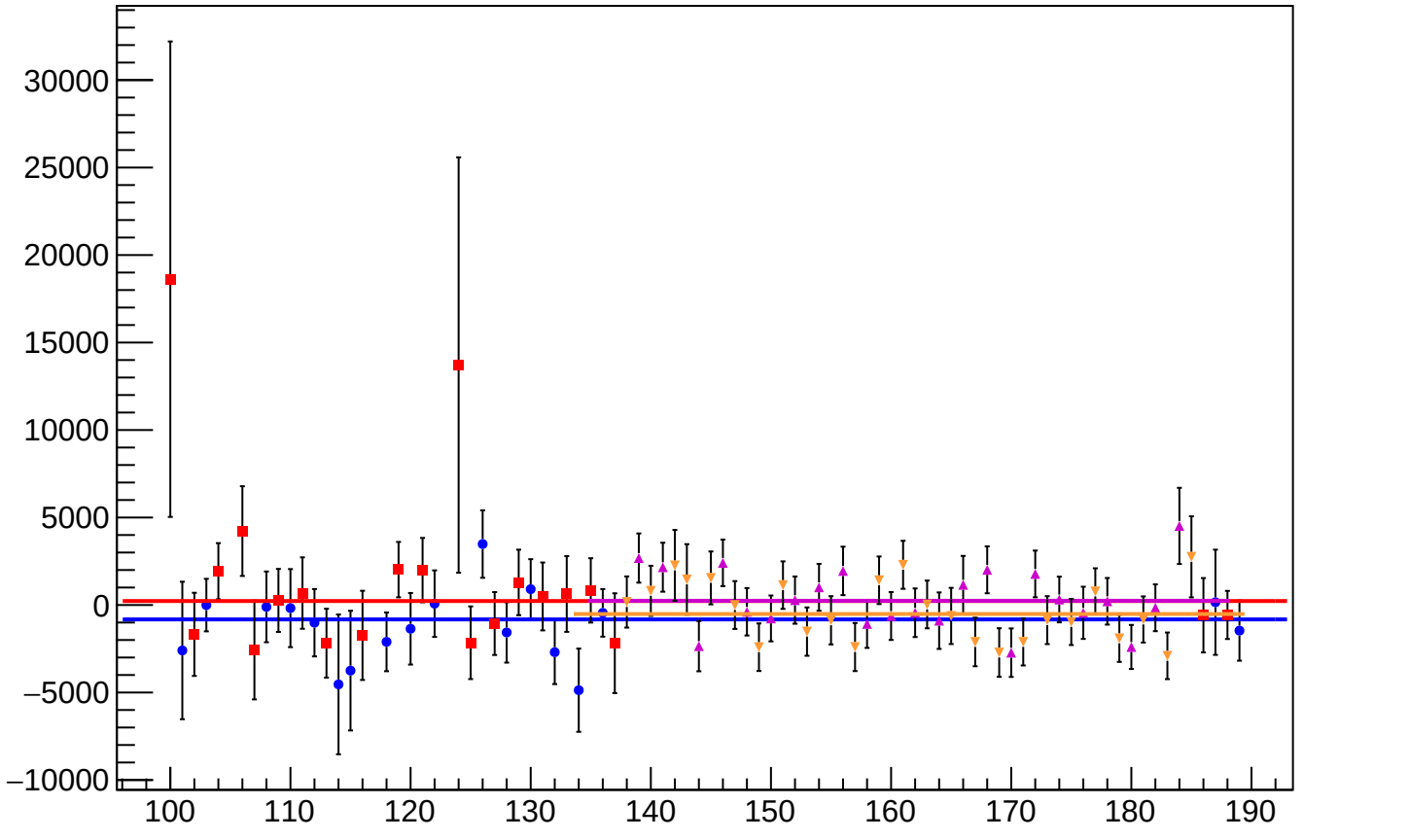
All: 0.022+/-0.028 χ^2/NDF: 100.5/86

- sign -0.006+/-0.038 χ^2/NDF: 53.1/43


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
110
120
130
140
150
160
170
180
190
Right In: 141.923+/-0.038 χ²/NDF: 1149435.7/17
Left Out: 288.922+/-0.050 χ²/NDF:4648388.8/24
Right Out: 118.572+/-0.032 χ²/NDF: 2147574.0/20
Left In: 284.170+/-0.050 χ²/NDF:3077626.7/22
+ sign 195.073+/-0.030 χ²/NDF: 11268366.3/42
All: 178.979+/-0.020 χ²/NDF: 24872205.4/86
- sign 166.356+/-0.027 χ²/NDF: 13096958.9/43


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 21.9/17
Left Out: 0.000+/-0.000 χ²/NDF:34.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 19.1/20
Left In: -0.000+/-0.000 χ²/NDF:23.2/22
+ sign 0.000+/-0.000 χ²/NDF: 56.7/42
All: -0.000+/-0.000 χ²/NDF: 106.1/86
- sign -0.000+/-0.000 χ²/NDF: 45.9/43


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−9
0.6
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1658110.9/17
Left Out: 0.000+/-0.000 χ²/NDF:3609934.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 2710521.4/20
Left In: 0.000+/-0.000 χ²/NDF:2780344.5/22
+ sign 0.000+/-0.000 χ²/NDF: 7654655.6/42
All: 0.000+/-0.000 χ²/NDF: 14010851.4/86
- sign 0.000+/-0.000 χ²/NDF: 6212371.5/43



Right In: -822.961+/-463.363 χ^2/NDF: 13.7/17

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: 228.188+/-447.782 χ^2/NDF: 16.2/20

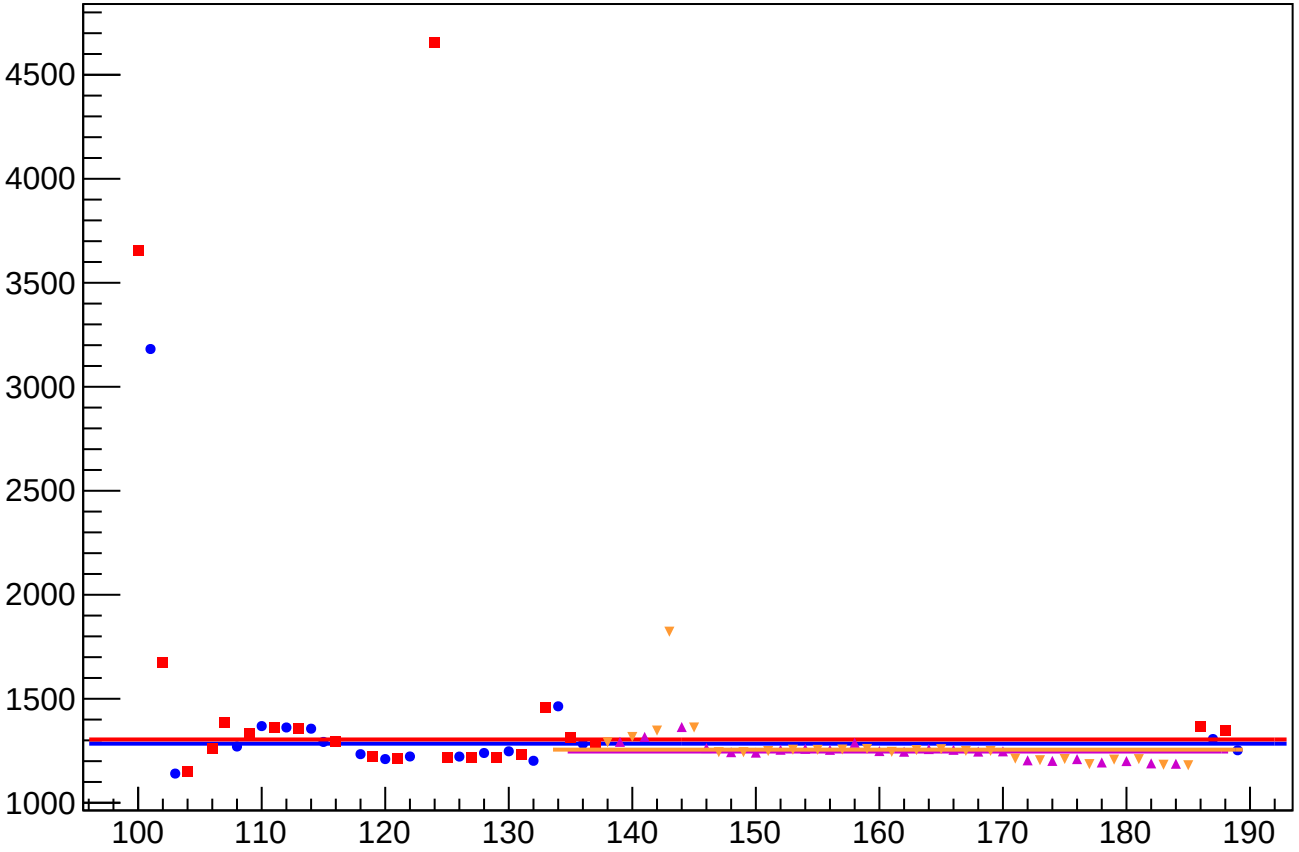
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

+ sign -599.560+/-243.340 χ^2/NDF: 44.9/42

All: -181.898+/-172.335 χ^2/NDF: 99.0/86

- sign 238.377+/-244.100 χ^2/NDF: 48.2/43

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1284.135+/-0.328 χ^2/NDF: 518949.5/17

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

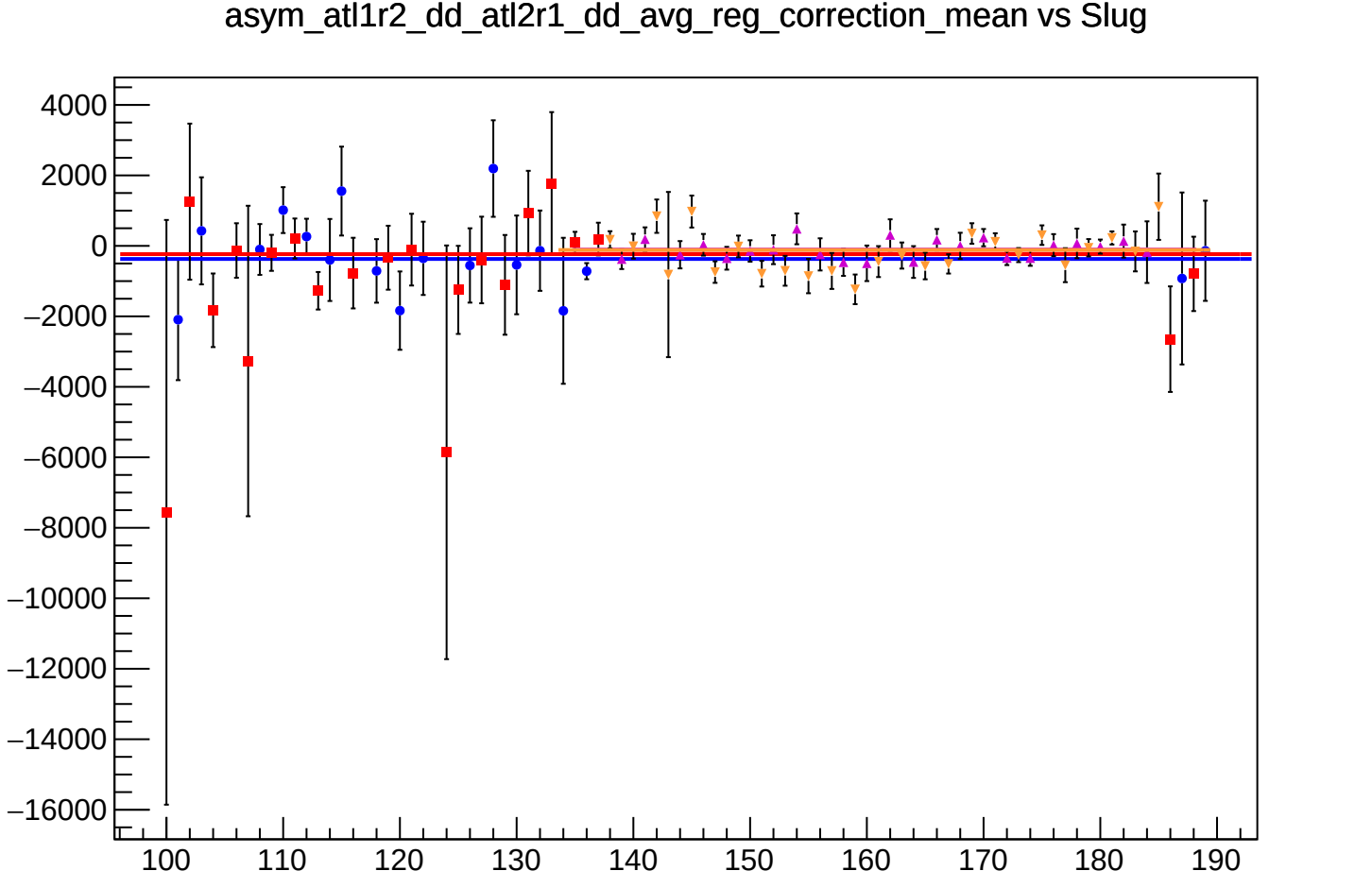
Right Out: 1304.326+/-0.317 χ^2/NDF: 332177.9/20

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1263.408+/-0.172 χ^2/NDF: 727599.9/42

All: 1263.494+/-0.122 χ^2/NDF: 1123195.8/86

- sign 1263.582+/-0.173 χ^2/NDF: 395595.4/43



Right In: -371.698+/-166.648 χ^2/NDF: 18.2/17

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

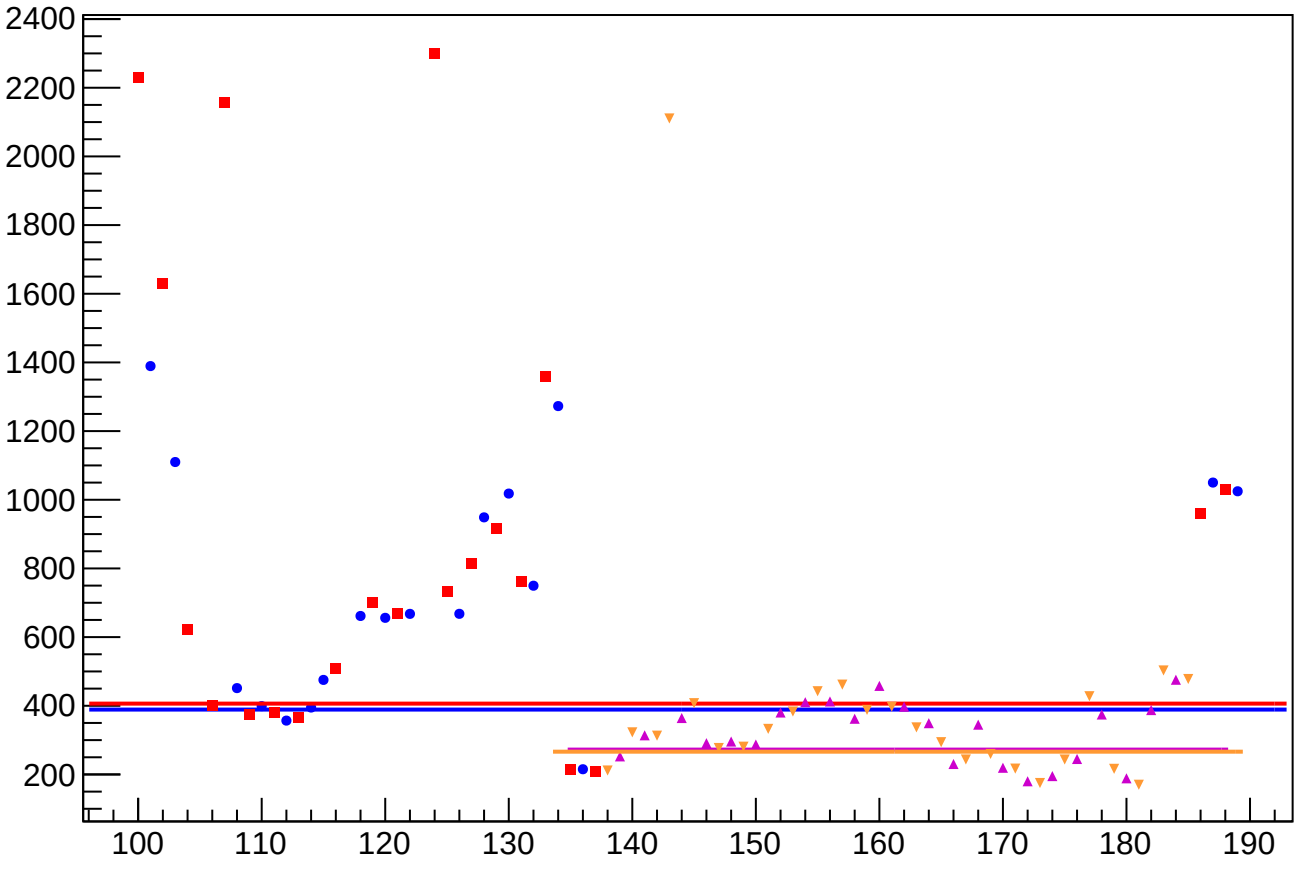
Right Out: -234.361+/-166.390 χ^2/NDF: 17.6/20

Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

+ sign -150.709+/-60.604 χ^2/NDF: 68.7/42

All: -138.210+/-43.390 χ^2/NDF: 100.6/86

- sign -125.064+/-62.151 χ^2/NDF: 31.8/43



Right In: 388.937+/-0.118 χ^2/NDF: 4747435.1/17

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

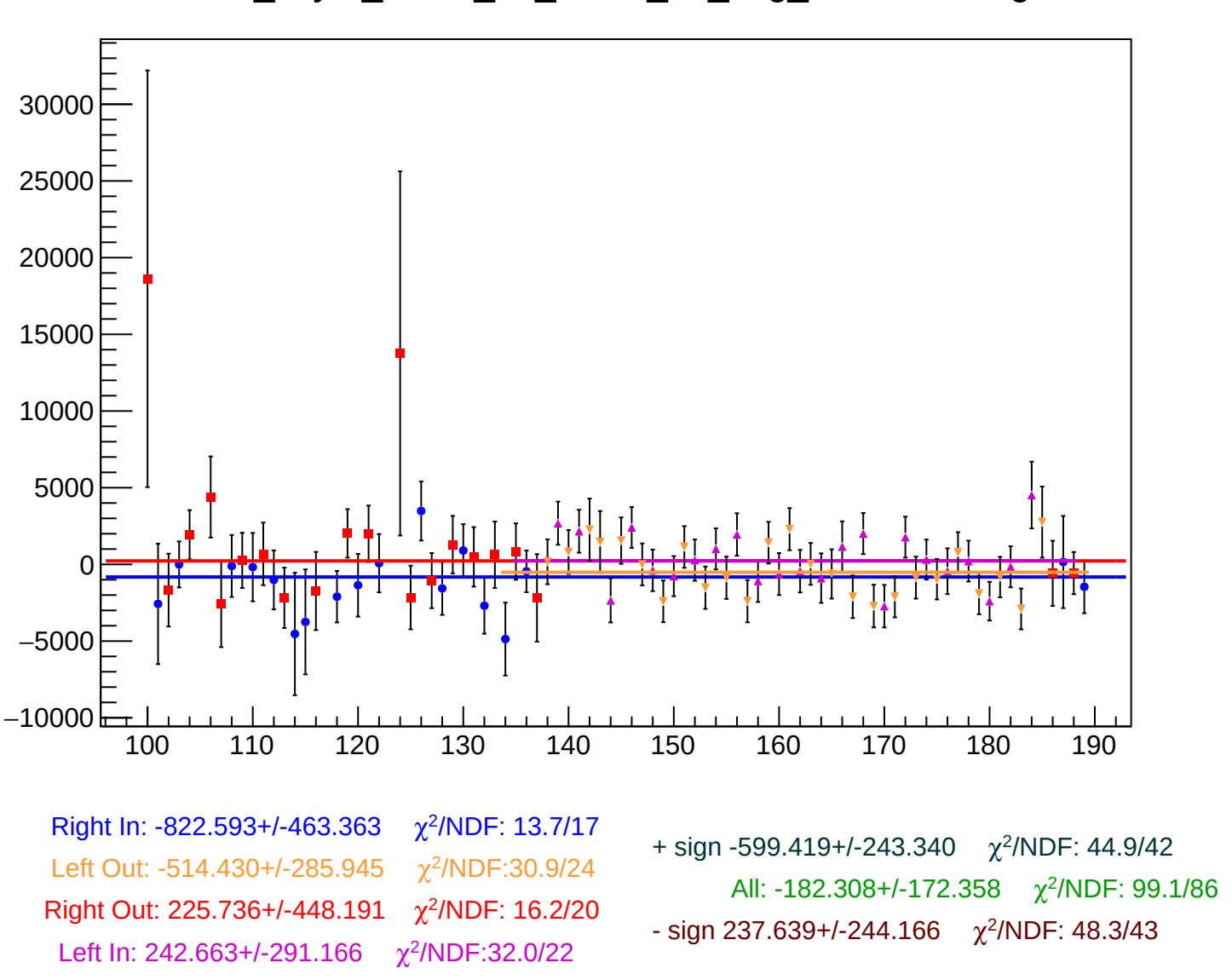
Right Out: 406.287+/-0.118 χ^2/NDF: 5063951.0/20

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

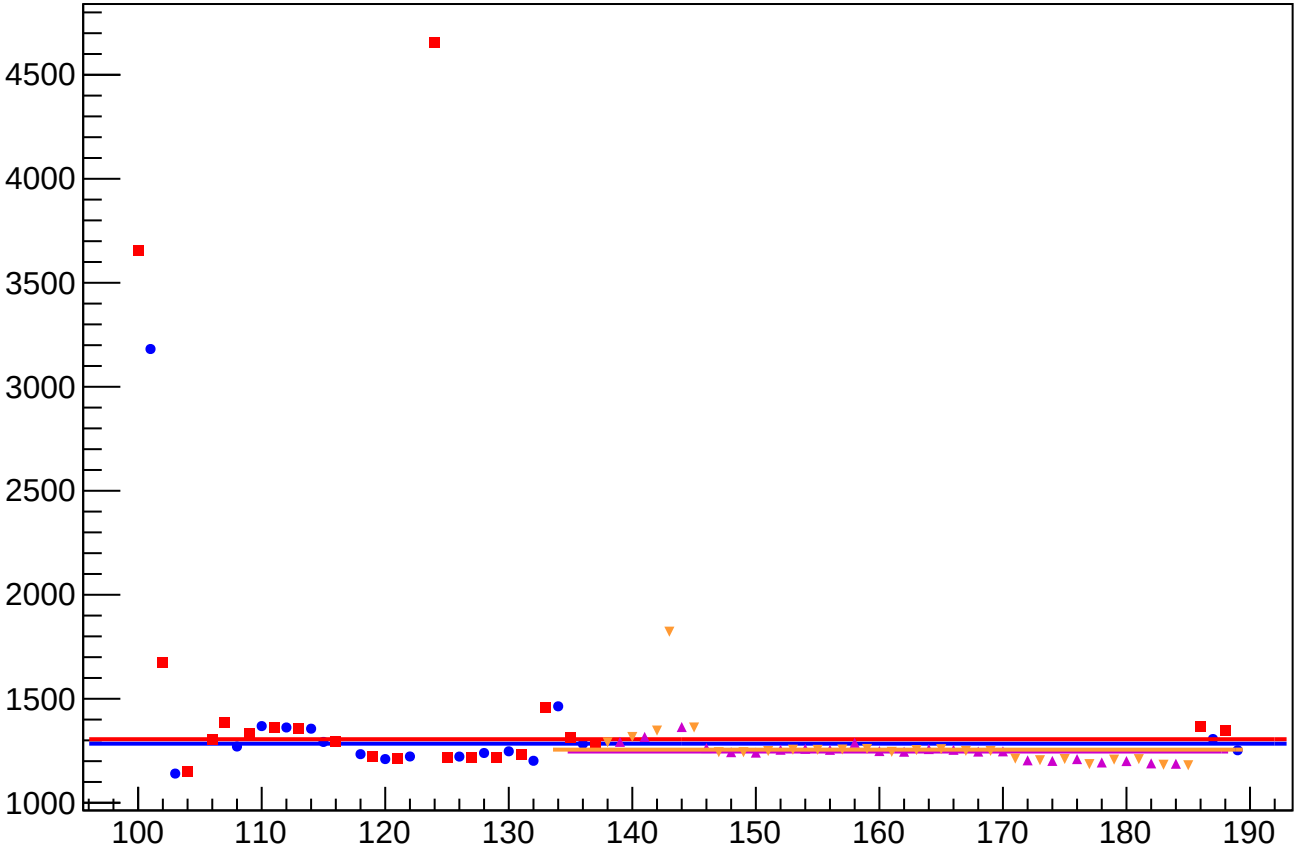
+ sign 282.537+/-0.043 χ^2/NDF: 10317111.4/42

All: 286.688+/-0.031 χ^2/NDF: 19402948.4/86

- sign 291.053+/-0.044 χ^2/NDF: 9066590.9/43


cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: -822.593+/-463.363 χ²/NDF: 13.7/17
Left Out: -514.430+/-285.945 χ²/NDF:30.9/24
Right Out: 225.736+/-448.191 χ²/NDF: 16.2/20
Left In: 242.663+/-291.166 χ²/NDF:32.0/22
+ sign -599.419+/-243.340 χ²/NDF: 44.9/42
All: -182.308+/-172.358 χ²/NDF: 99.1/86
- sign 237.639+/-244.166 χ²/NDF: 48.3/43

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1284.135+/-0.328 χ^2/NDF: 518950.9/17

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

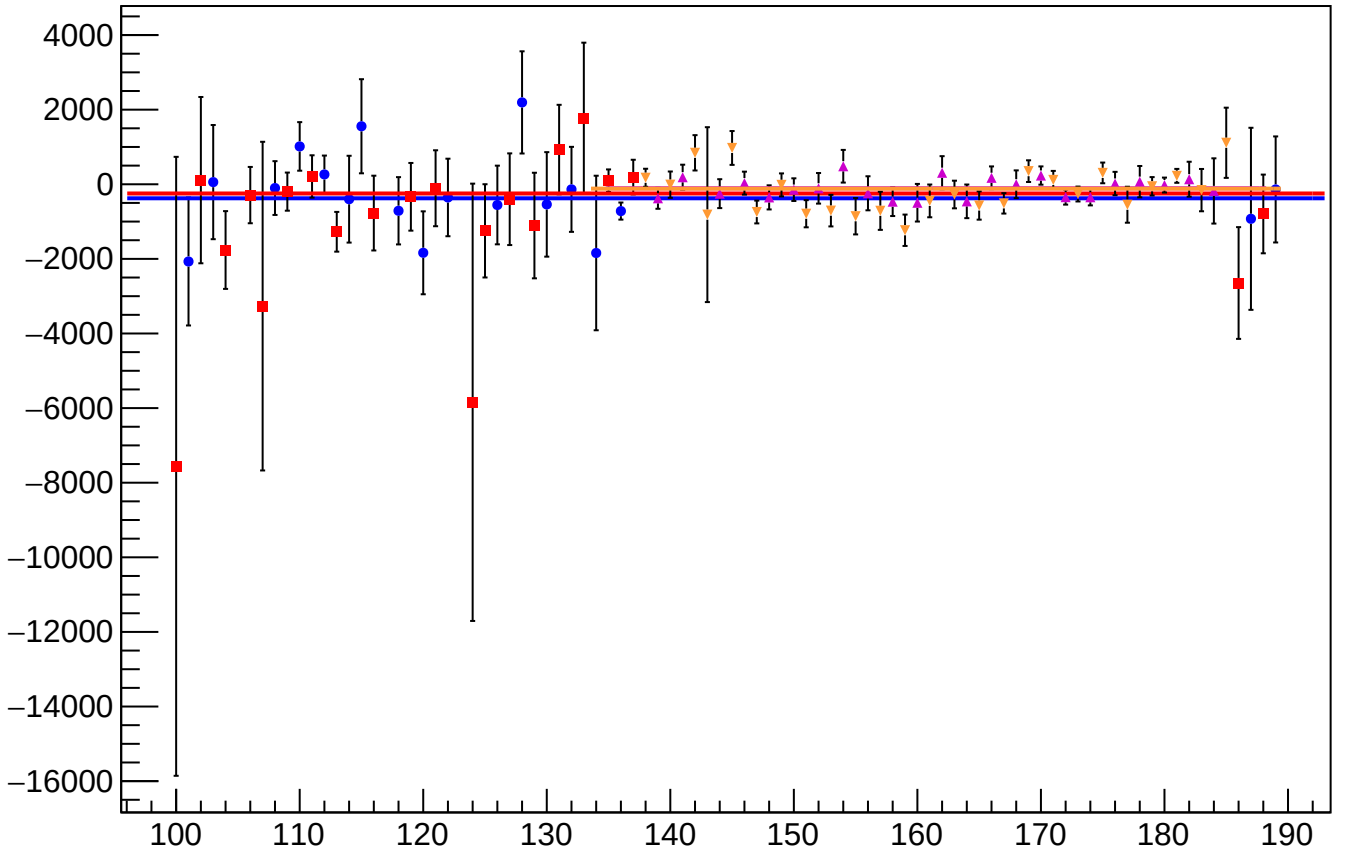
Right Out: 1305.574+/-0.317 χ^2/NDF: 331644.9/20

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1263.408+/-0.172 χ^2/NDF: 727601.2/42

All: 1263.668+/-0.122 χ^2/NDF: 1123661.7/86

- sign 1263.930+/-0.173 χ^2/NDF: 396055.9/43



Right In: -376.061+/-166.667 χ^2/NDF: 18.0/17

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

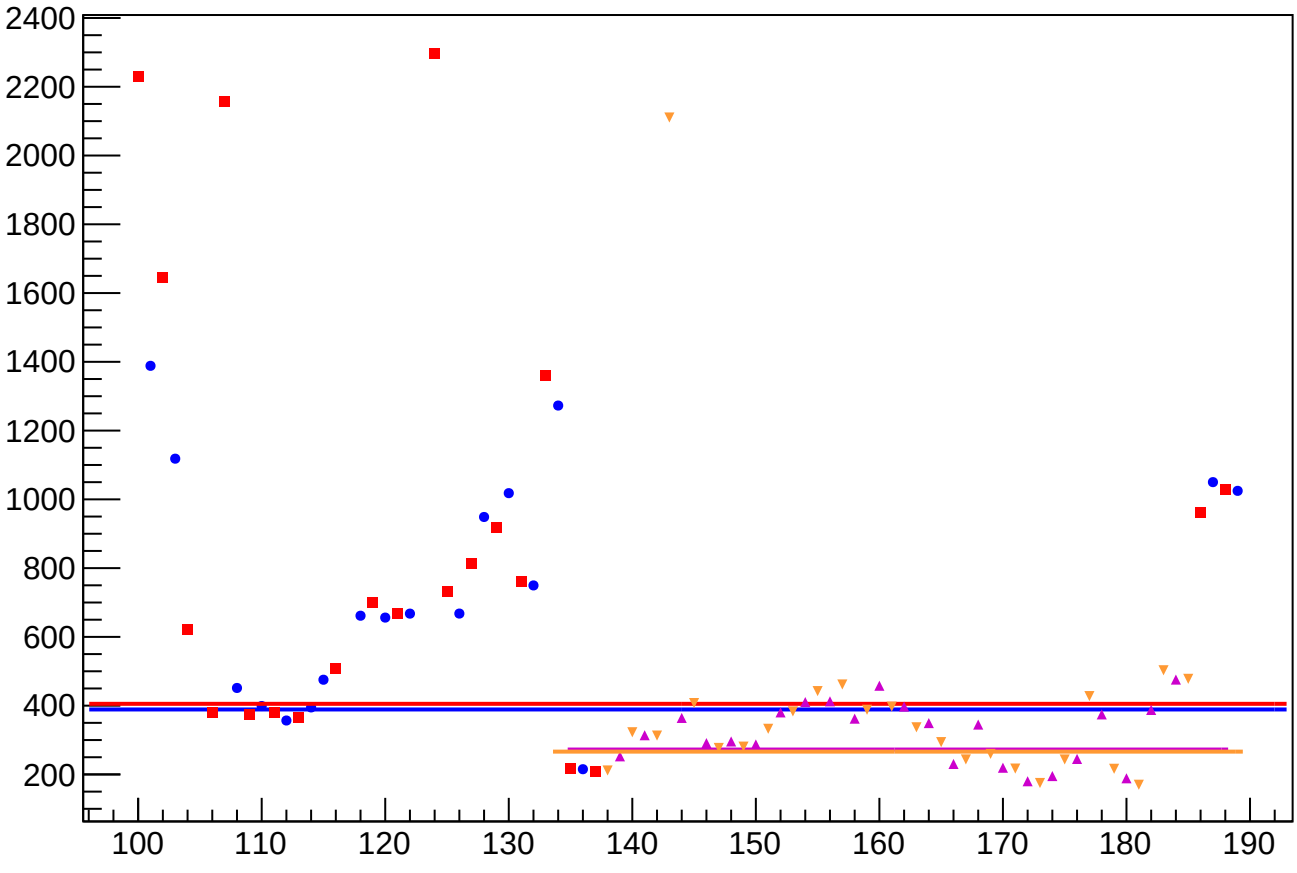
Right Out: -246.976+/-166.203 χ^2/NDF: 17.0/20

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -151.258+/-60.606 χ^2/NDF: 68.6/42

All: -139.415+/-43.388 χ^2/NDF: 99.9/86

- sign -126.964+/-62.143 χ^2/NDF: 31.3/43



Right In: 388.931+/-0.118 χ^2/NDF: 4750587.4/17

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

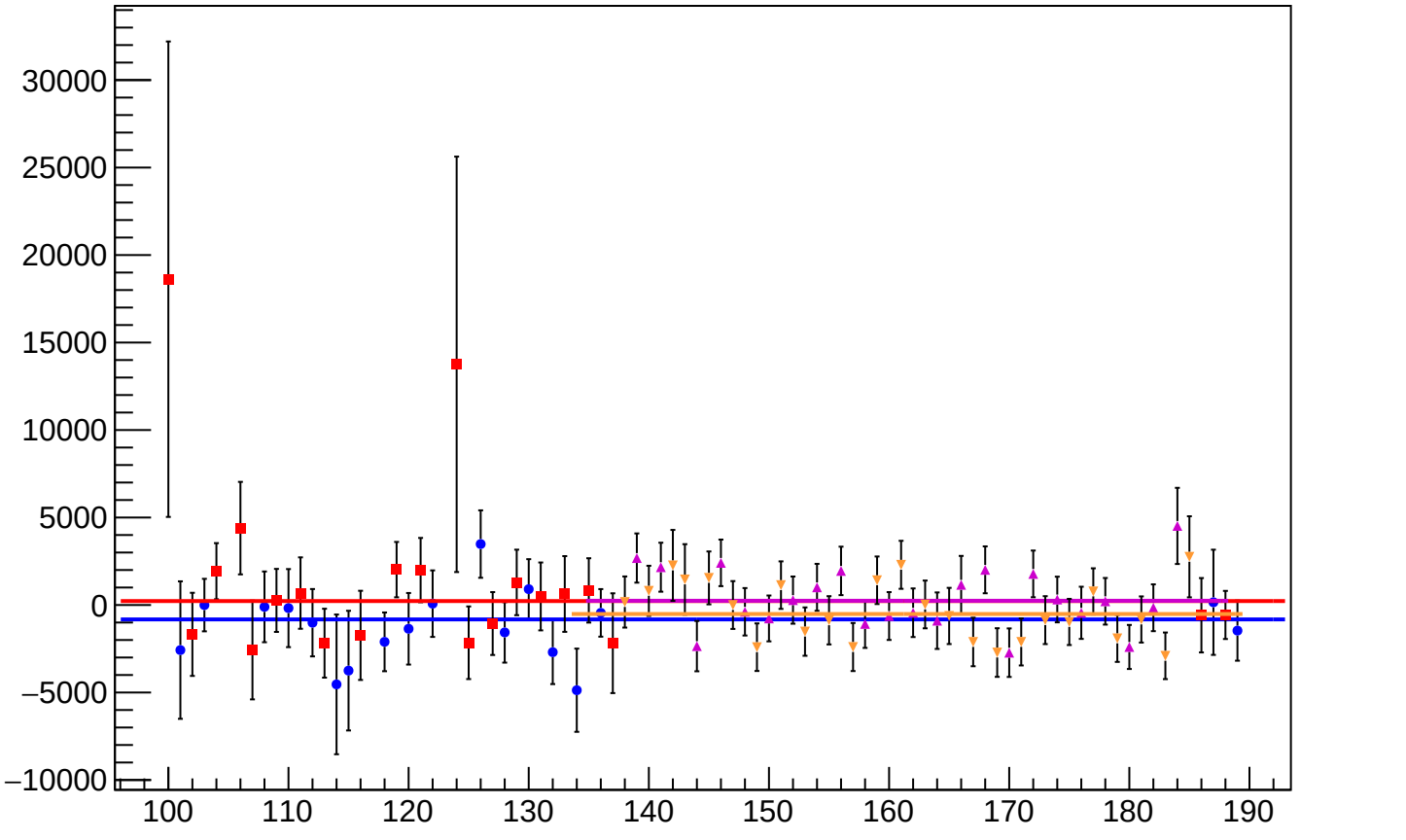
Right Out: 405.332+/-0.118 χ^2/NDF: 5072546.9/20

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 282.539+/-0.043 χ^2/NDF: 10319934.1/42

All: 286.646+/-0.031 χ^2/NDF: 19399853.0/86

- sign 290.965+/-0.044 χ^2/NDF: 9061073.4/43



Right In: -822.593+/-463.363 χ^2/NDF: 13.7/17

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 225.736+/-448.191 χ^2/NDF: 16.2/20

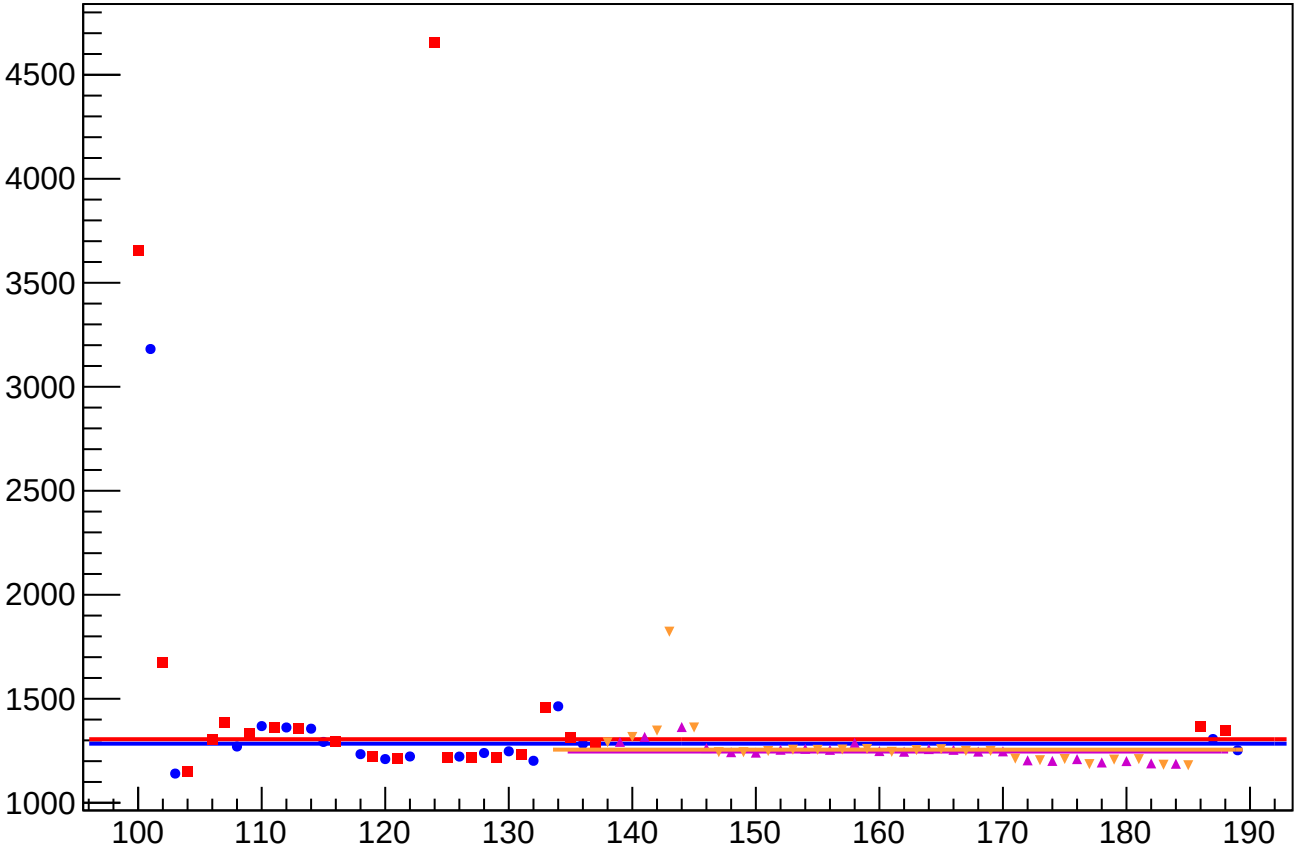
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -599.419+/-243.340 χ^2/NDF: 44.9/42

All: -182.308+/-172.358 χ^2/NDF: 99.1/86

- sign 237.639+/-244.166 χ^2/NDF: 48.3/43

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1284.135+/-0.328 χ^2/NDF: 518950.9/17

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

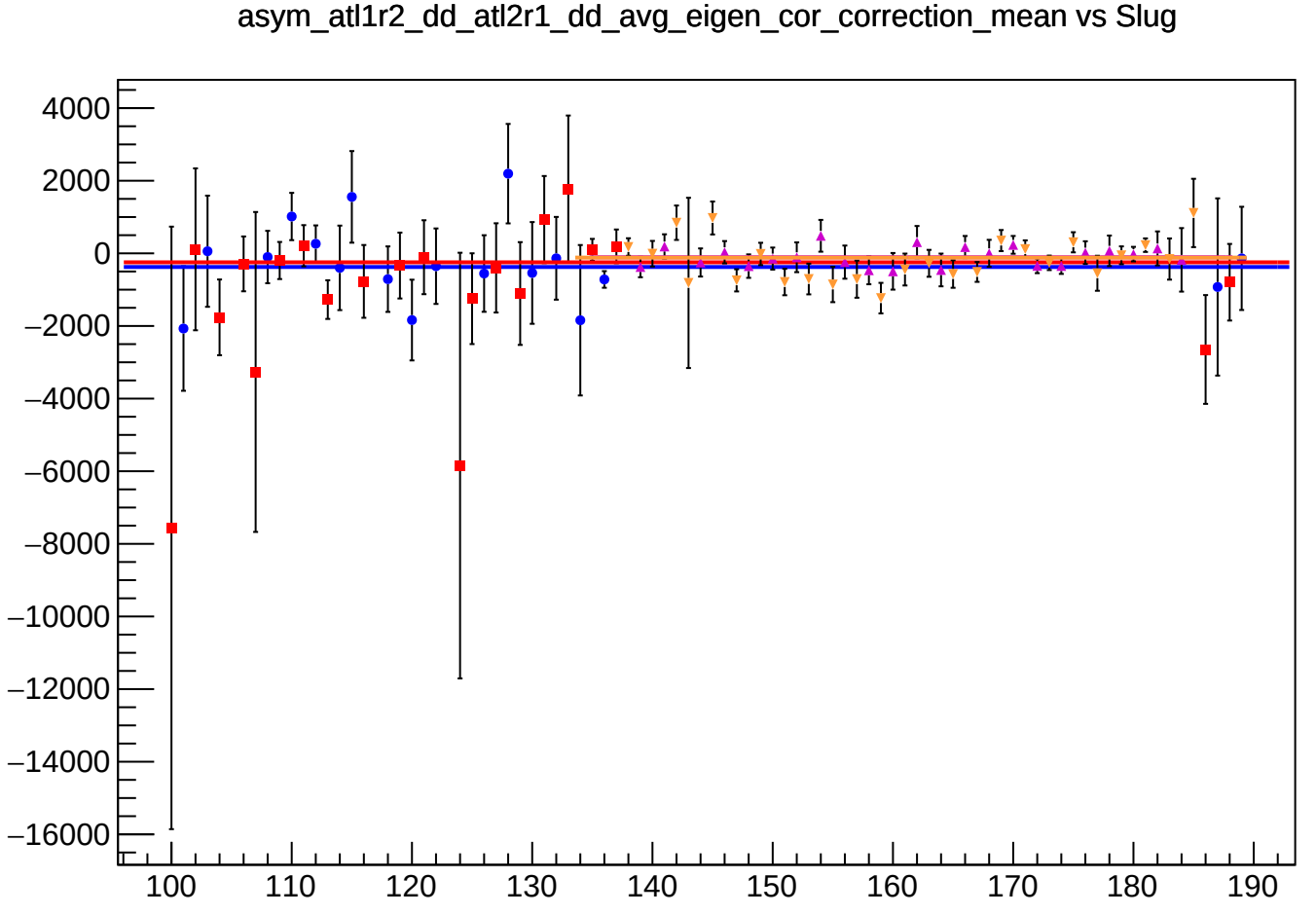
Right Out: 1305.574+/-0.317 χ^2/NDF: 331644.9/20

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1263.408+/-0.172 χ^2/NDF: 727601.2/42

All: 1263.668+/-0.122 χ^2/NDF: 1123661.7/86

- sign 1263.930+/-0.173 χ^2/NDF: 396055.9/43



Right In: -376.061+/-166.667 χ^2/NDF: 18.0/17

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

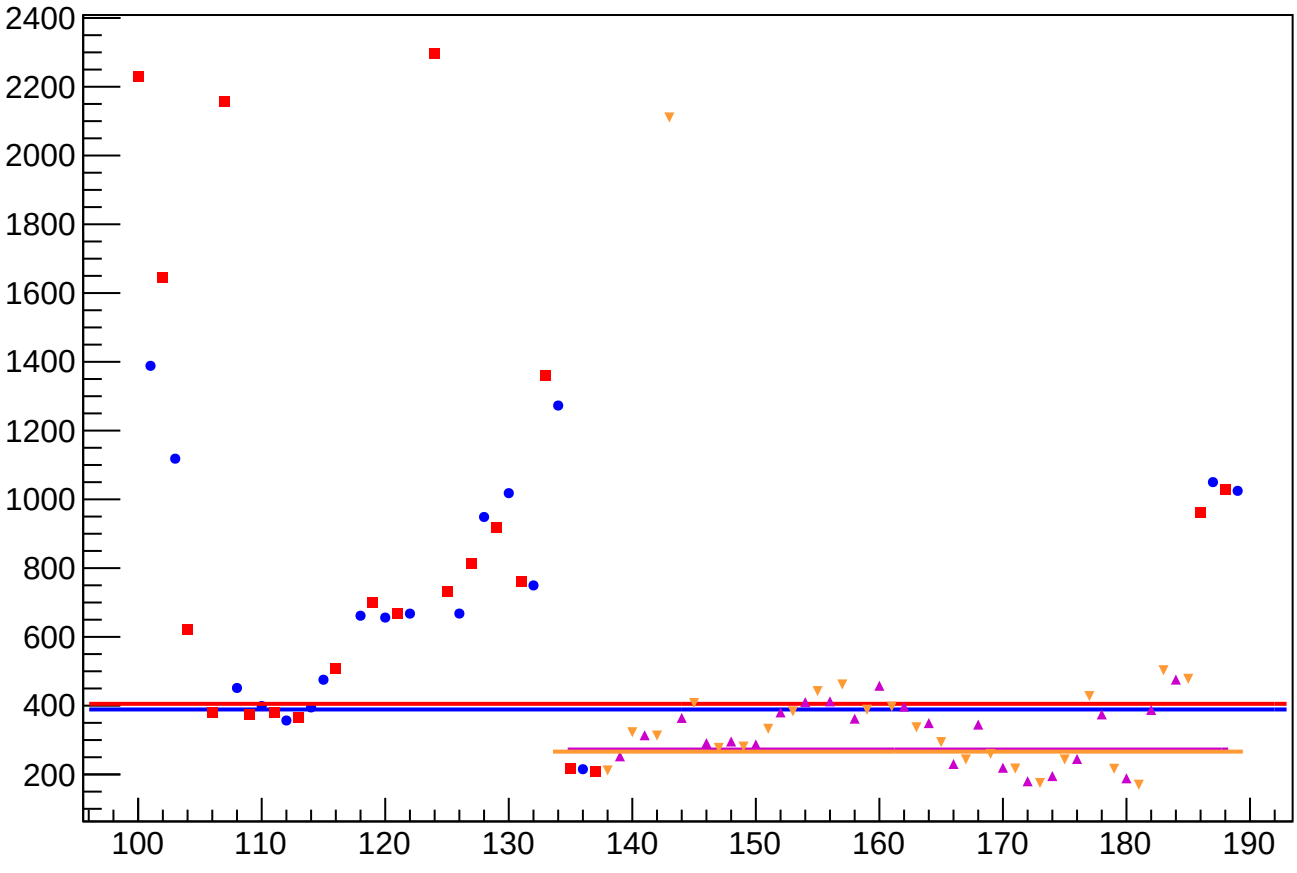
Right Out: -246.976+/-166.203 χ^2/NDF: 17.0/20

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -151.258+/-60.606 χ^2/NDF: 68.6/42

All: -139.415+/-43.388 χ^2/NDF: 99.9/86

- sign -126.964+/-62.143 χ^2/NDF: 31.3/43



Right In: 388.931+/-0.118 χ^2/NDF: 4750587.4/17

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

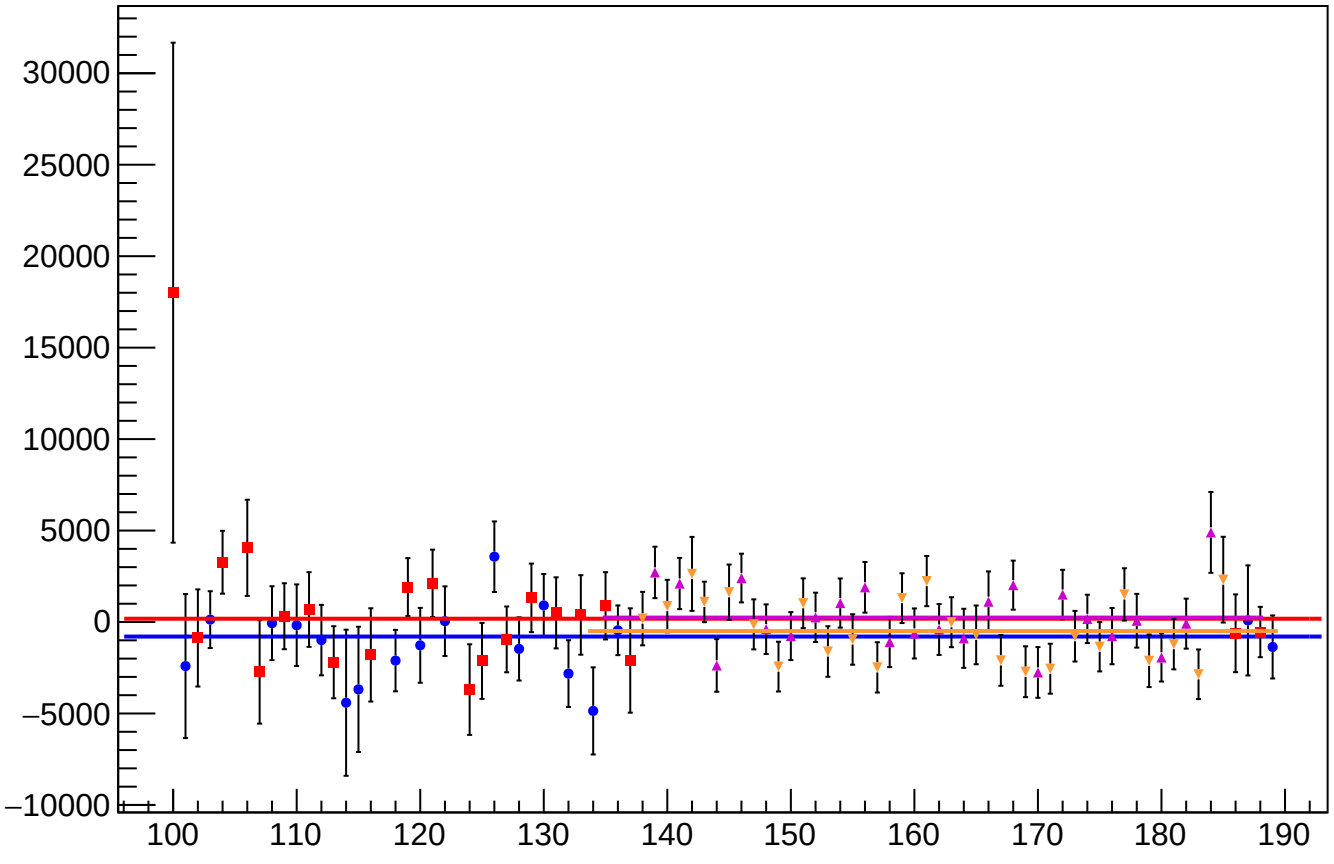
Right Out: 405.332+/-0.118 χ^2/NDF: 5072546.9/20

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 282.539+/-0.043 χ^2/NDF: 10319934.1/42

All: 286.646+/-0.031 χ^2/NDF: 19399853.0/86

- sign 290.965+/-0.044 χ^2/NDF: 9061073.4/43



Right In: -794.138+/-465.277 χ^2/NDF: 13.8/17

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: 180.946+/-445.342 χ^2/NDF: 18.4/20

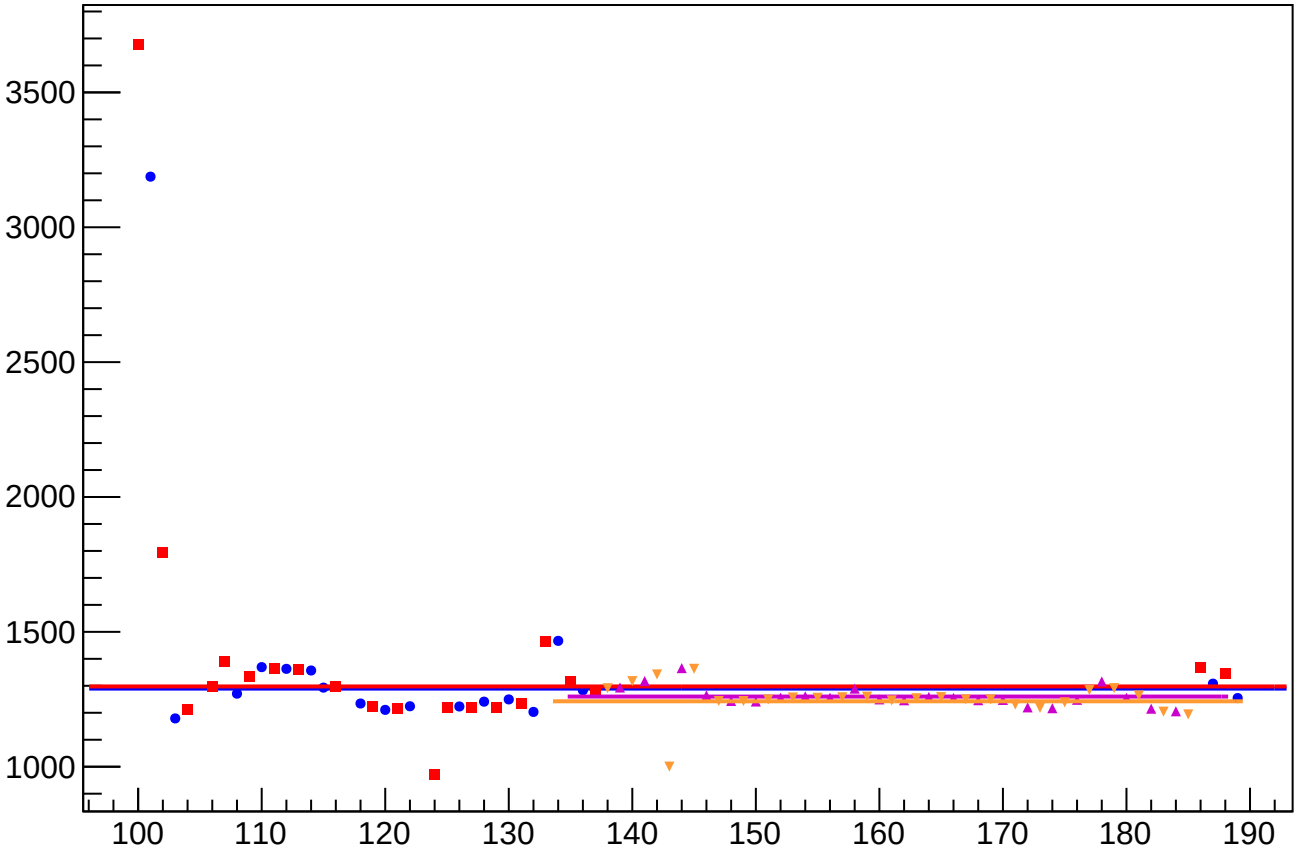
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -574.529+/-241.621 χ^2/NDF: 48.3/42

All: -181.985+/-172.225 χ^2/NDF: 102.8/86

- sign 223.441+/-245.554 χ^2/NDF: 49.1/43

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1289.680+/-0.329 χ^2/NDF: 510361.0/17

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

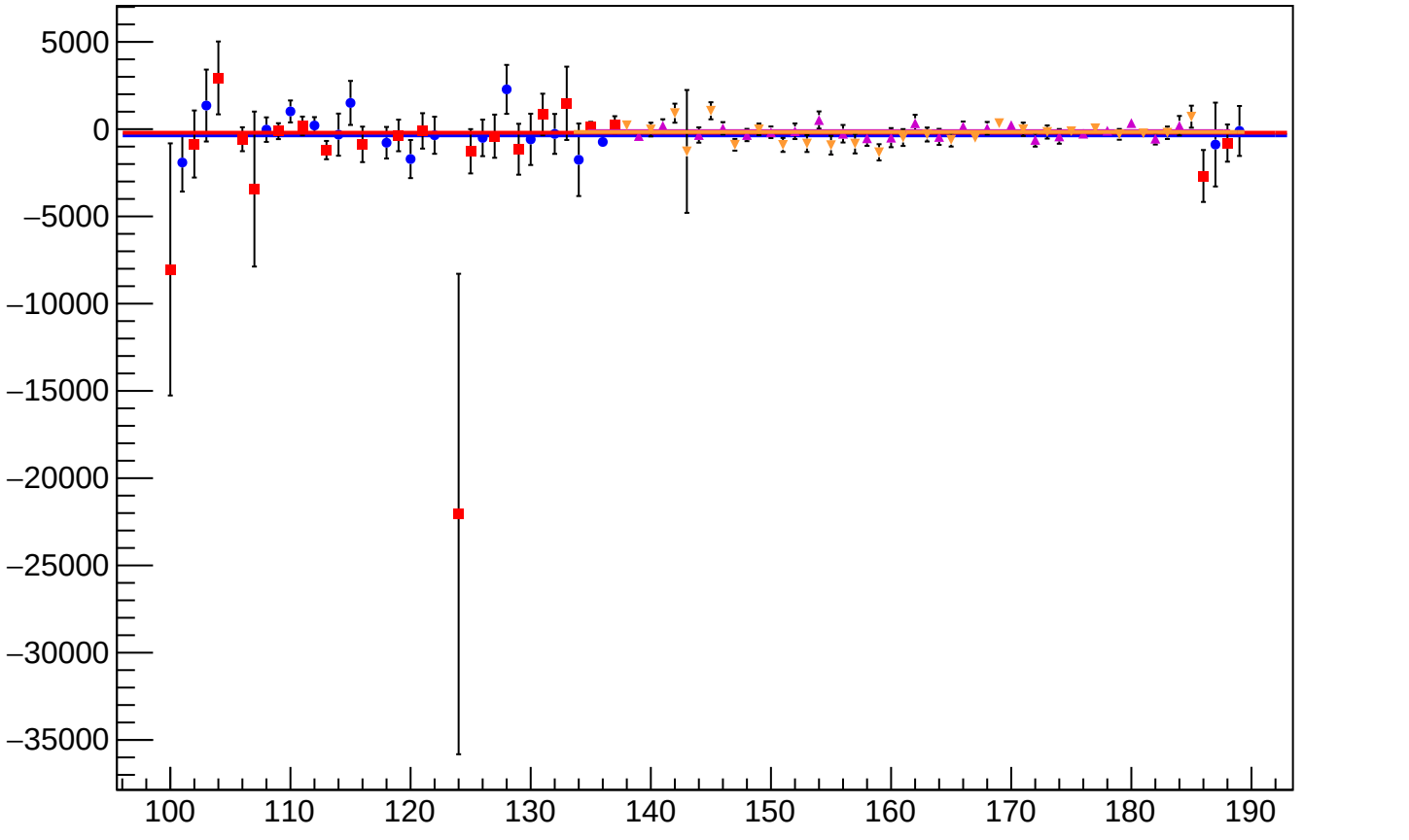
Right Out: 1297.624+/-0.315 χ^2/NDF: 214720.2/20

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

+ sign 1255.252+/-0.171 χ^2/NDF: 655377.8/42

All: 1263.247+/-0.122 χ^2/NDF: 912366.7/86

- sign 1271.504+/-0.174 χ^2/NDF: 252537.9/43



Right In: -354.342+/-168.369 χ^2/NDF: 18.5/17

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

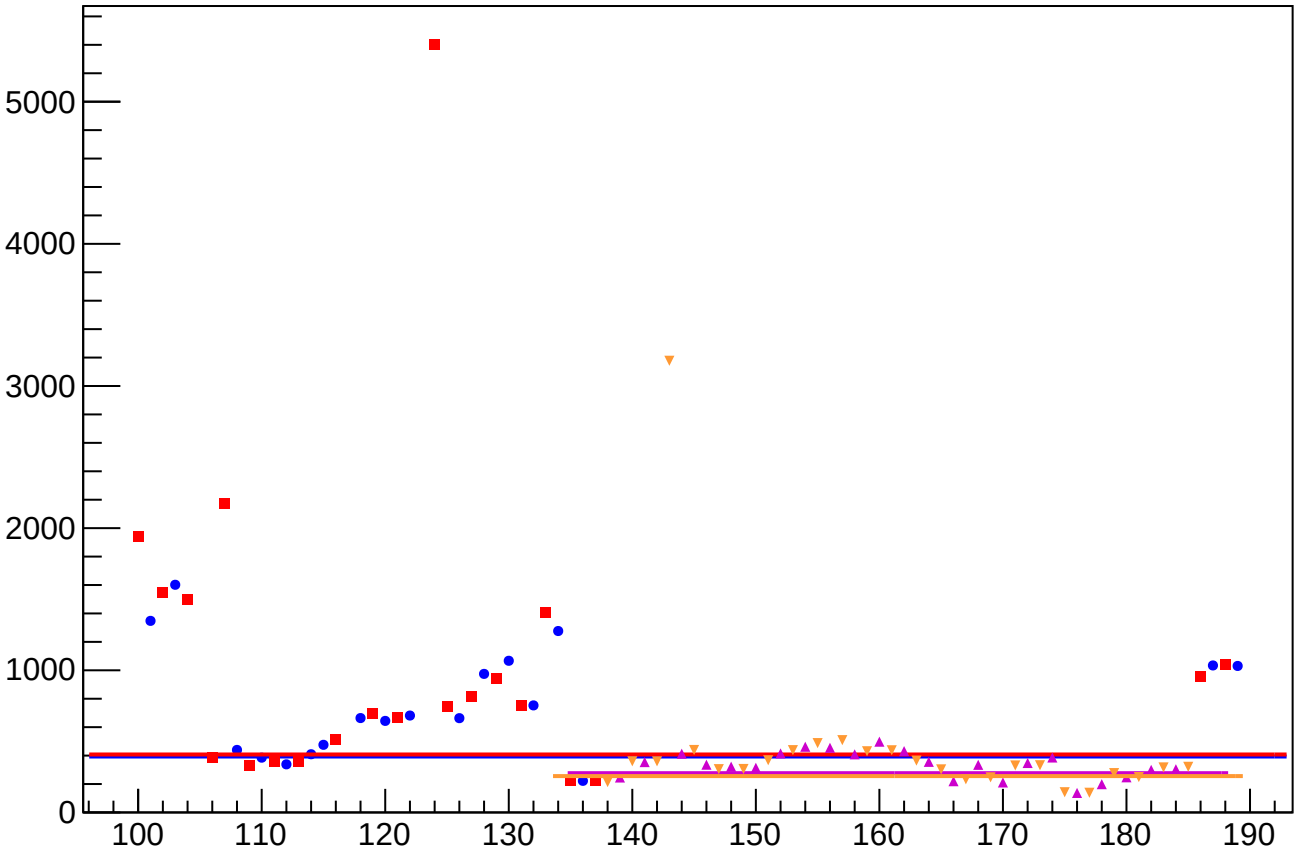
Right Out: -205.206+/-166.501 χ^2/NDF: 19.0/20

Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

+ sign -185.436+/-59.932 χ^2/NDF: 63.4/42

All: -157.996+/-43.623 χ^2/NDF: 101.3/86

- sign -127.077+/-63.617 χ^2/NDF: 37.5/43



Right In: 393.541+/-0.119 χ^2/NDF: 4866722.7/17

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

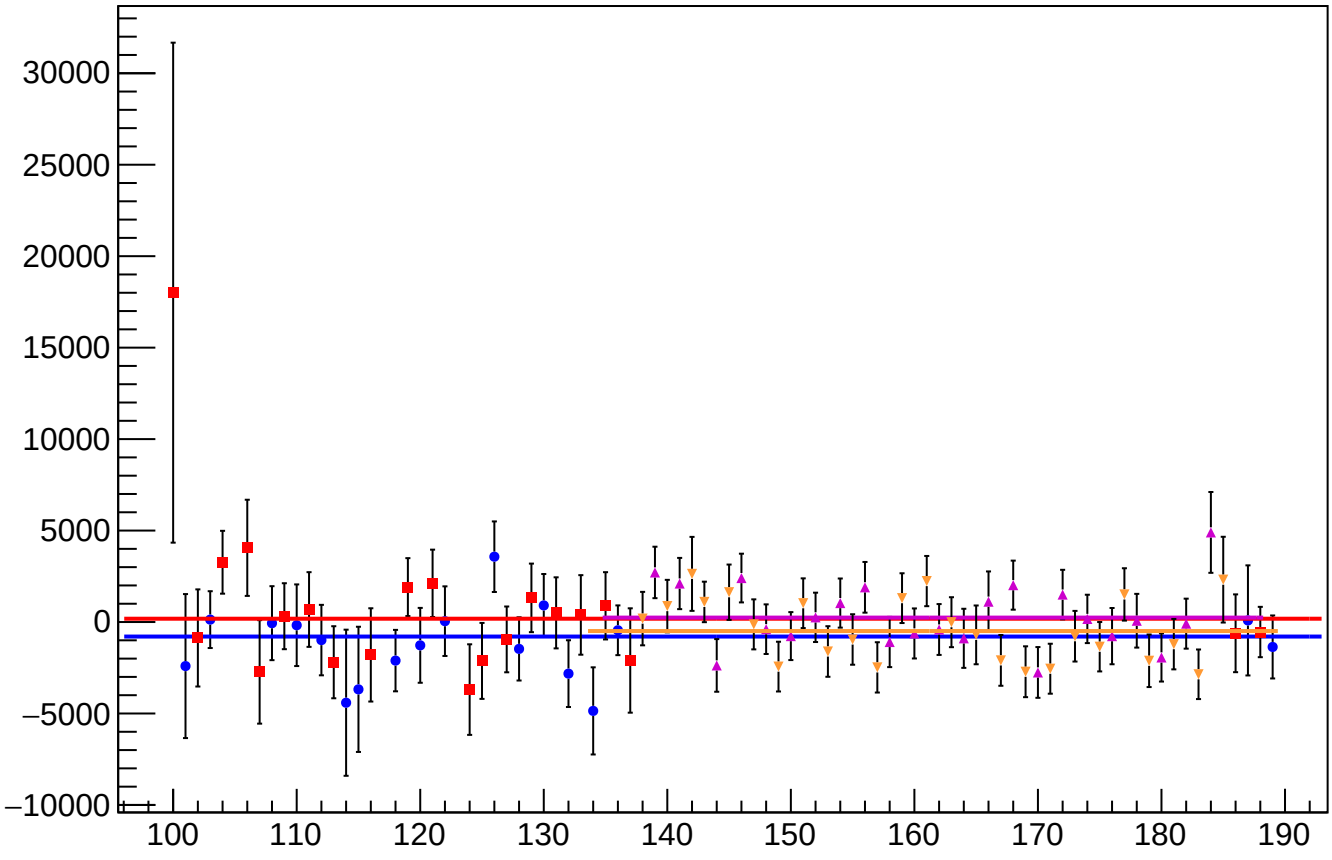
Right Out: 407.821+/-0.118 χ^2/NDF: 5574336.4/20

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 273.225+/-0.042 χ^2/NDF: 12410127.2/42

All: 283.698+/-0.031 χ^2/NDF: 23207535.0/86

- sign 295.499+/-0.045 χ^2/NDF: 10667508.3/43



Right In: -794.140+/-465.277 χ^2/NDF: 13.8/17

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

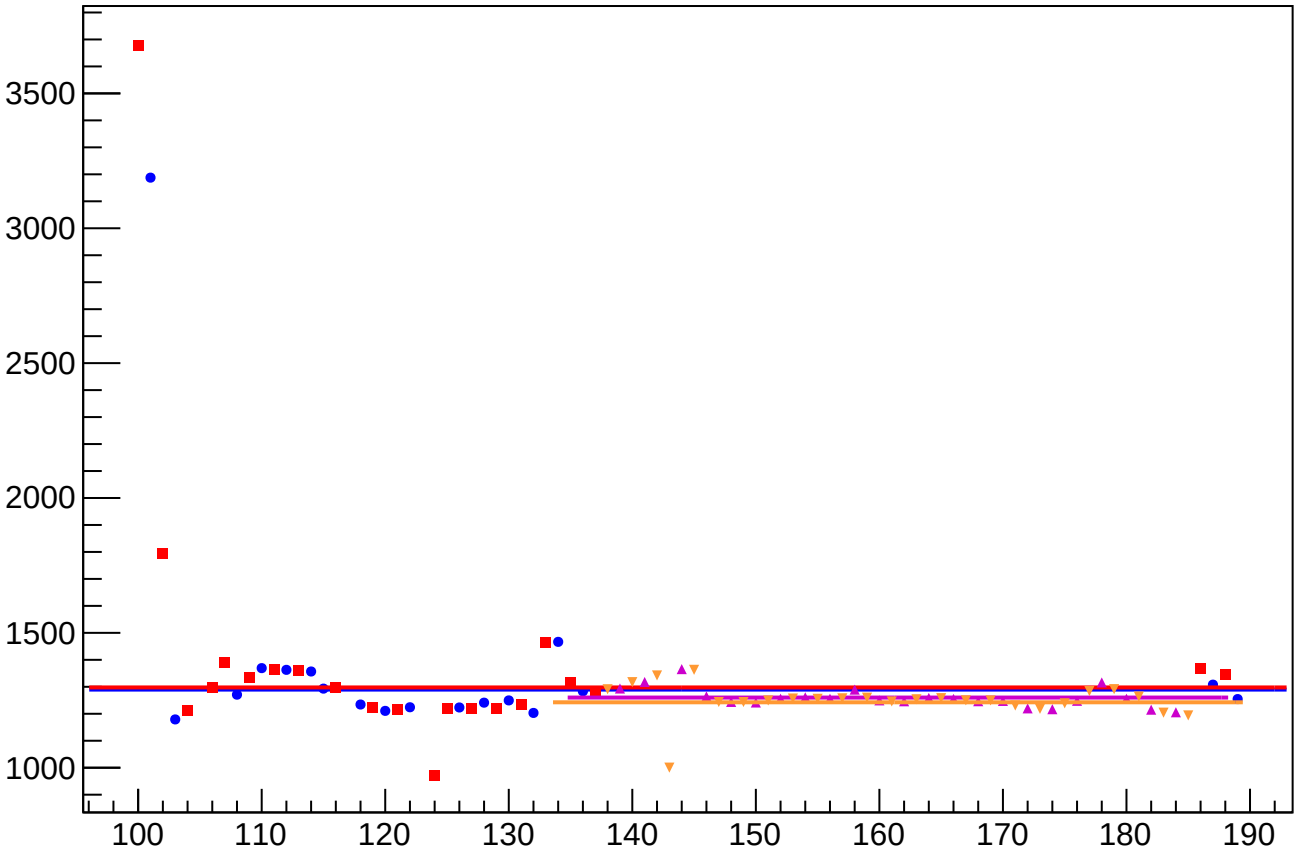
Right Out: 180.947+/-445.342 χ^2/NDF: 18.4/20

Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -574.529+/-241.621 χ^2/NDF: 48.3/42

All: -181.985+/-172.225 χ^2/NDF: 102.8/86

- sign 223.441+/-245.554 χ^2/NDF: 49.1/43



Right In: 1289.680+/-0.329 χ^2/NDF: 510361.0/17

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

Right Out: 1297.624+/-0.315 χ^2/NDF: 214720.5/20

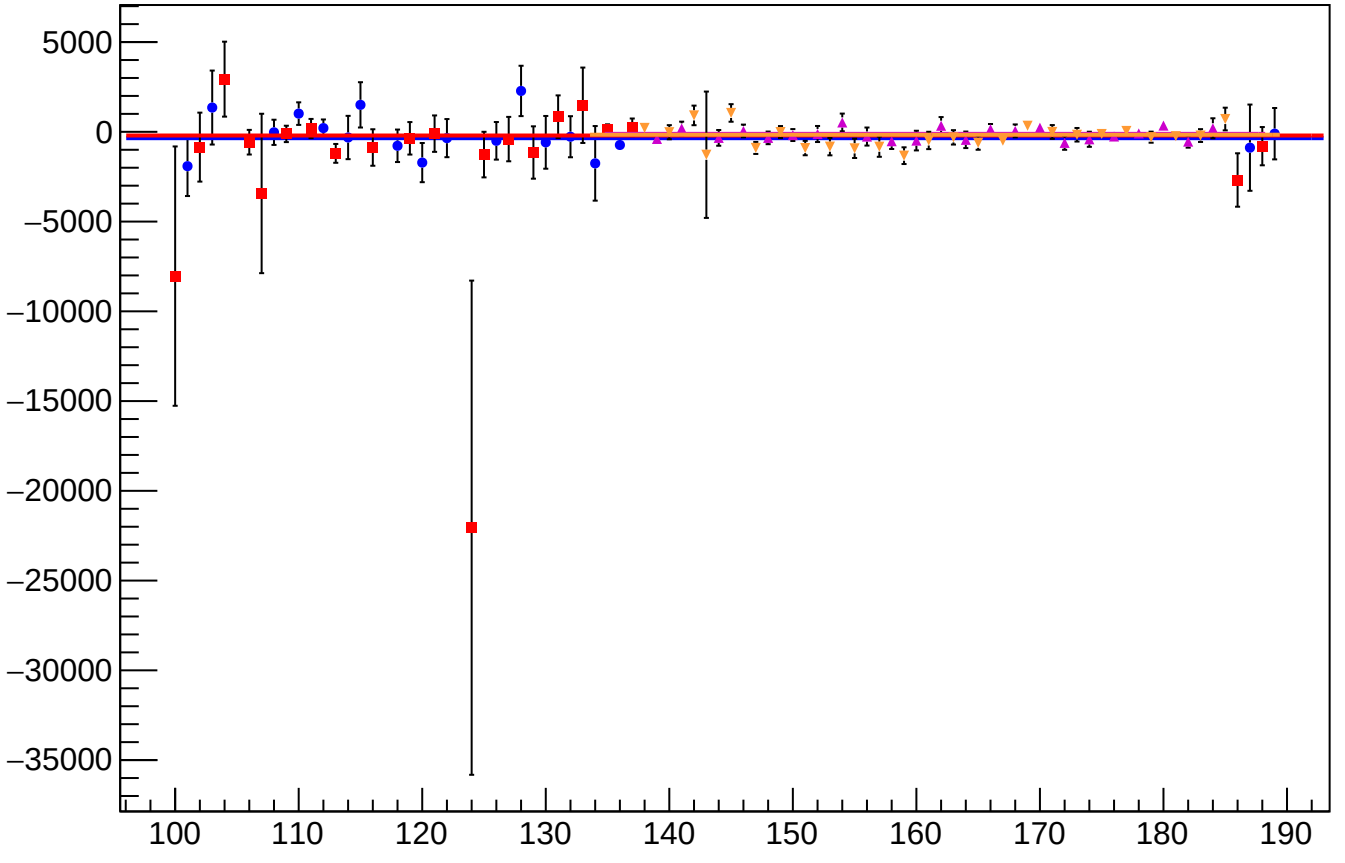
Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

+ sign 1255.252+/-0.171 χ^2/NDF: 655376.9/42

All: 1263.247+/-0.122 χ^2/NDF: 912366.1/86

- sign 1271.504+/-0.174 χ^2/NDF: 252538.3/43

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs Slug



Right In: -354.343+/-168.372 χ^2/NDF: 18.5/17

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

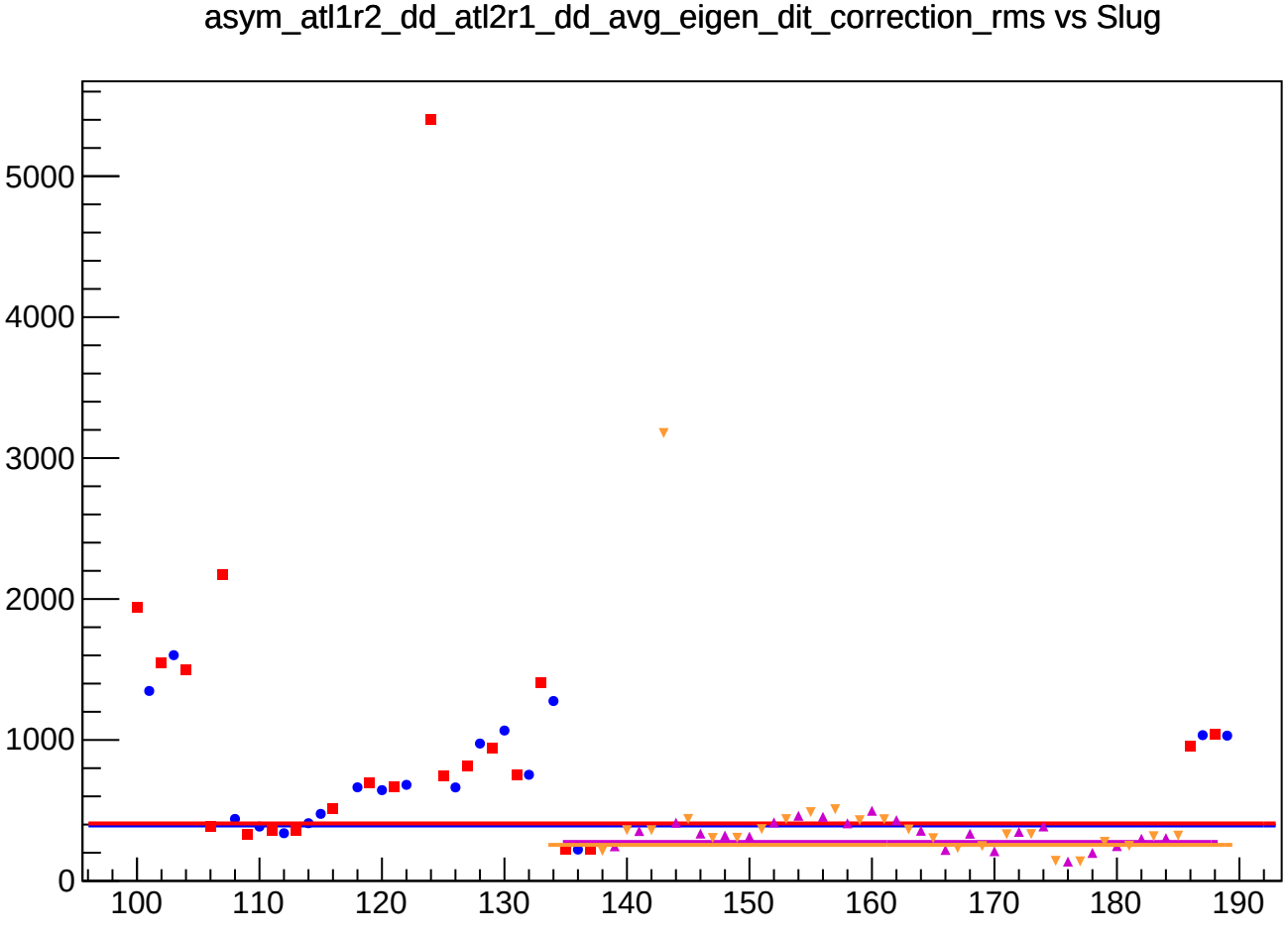
Right Out: -205.213+/-166.503 χ^2/NDF: 19.0/20

Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

+ sign -185.438+/-59.932 χ^2/NDF: 63.4/42

All: -157.997+/-43.623 χ^2/NDF: 101.3/86

- sign -127.077+/-63.618 χ^2/NDF: 37.5/43



Right In: 393.551+/-0.119 χ^2/NDF: 4866523.3/17

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 407.829+/-0.118 χ^2/NDF: 5574173.8/20

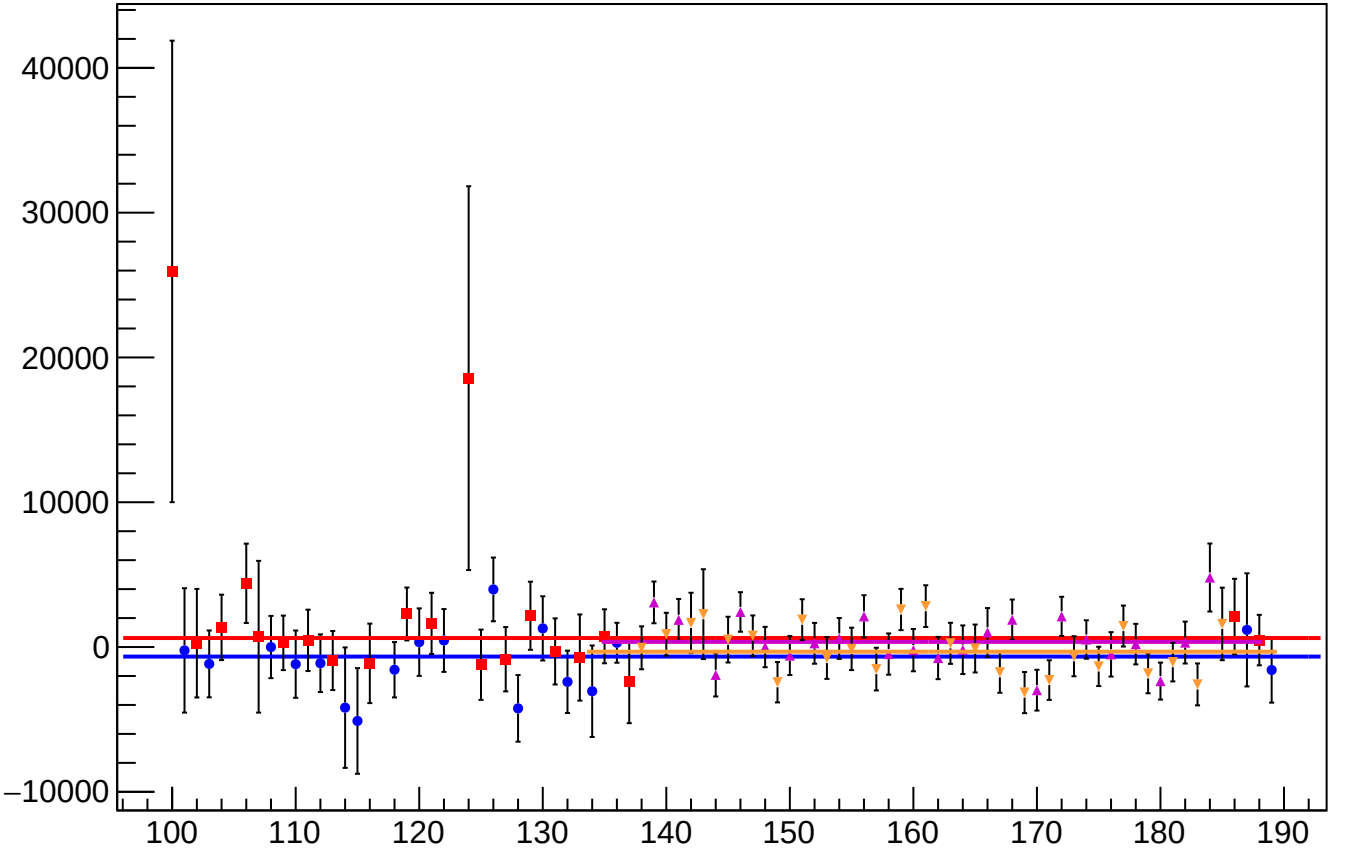
Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 273.227+/-0.042 χ^2/NDF: 12409944.6/42

All: 283.700+/-0.031 χ^2/NDF: 23207239.6/86

- sign 295.500+/-0.045 χ^2/NDF: 10667406.0/43

asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -660.215+/-542.199 χ^2/NDF: 12.9/17

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: 622.044+/-527.838 χ^2/NDF: 11.7/20

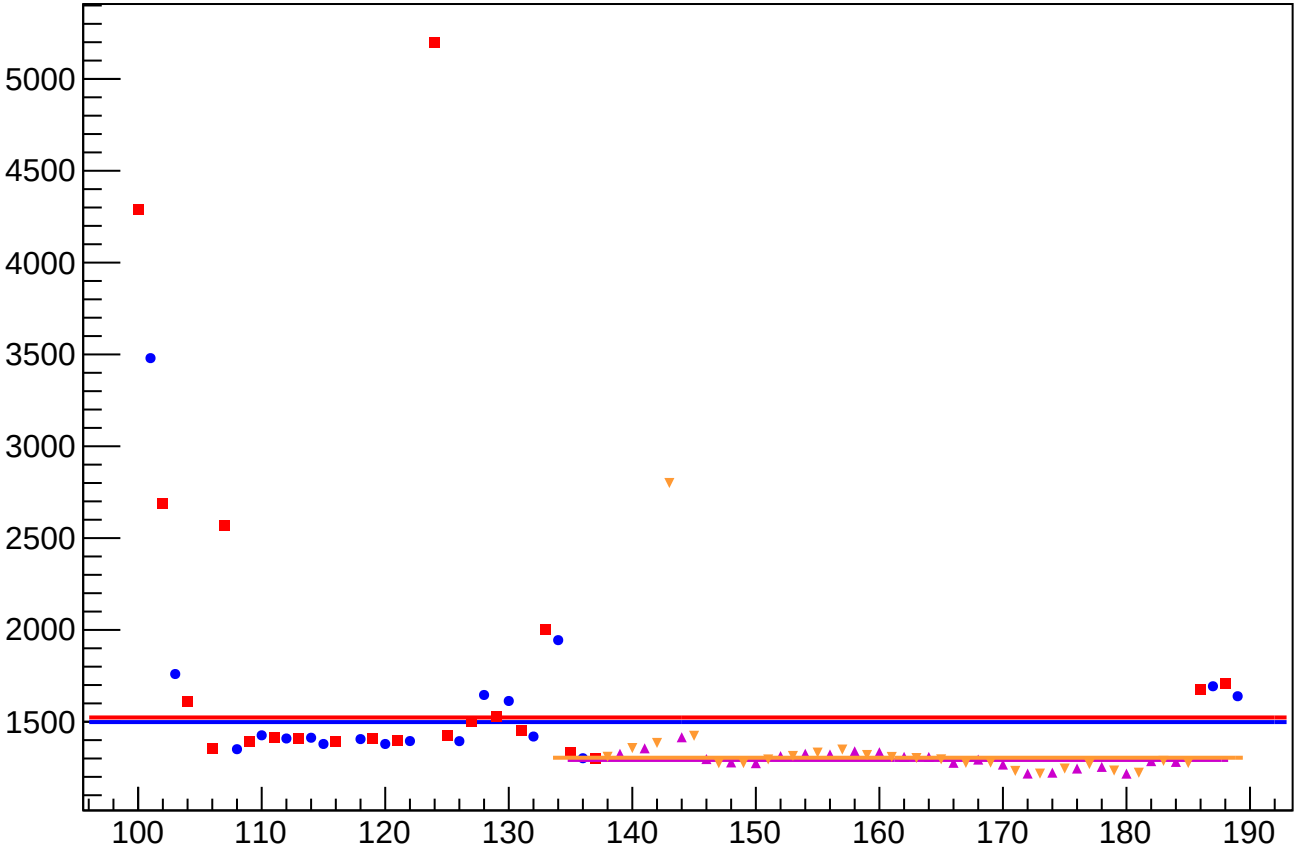
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

+ sign -398.842+/-261.337 χ^2/NDF: 44.7/42

All: 10.374+/-185.050 χ^2/NDF: 91.2/86

- sign 421.871+/-262.065 χ^2/NDF: 41.5/43

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1498.249+/-0.383 χ^2/NDF: 598283.9/17

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

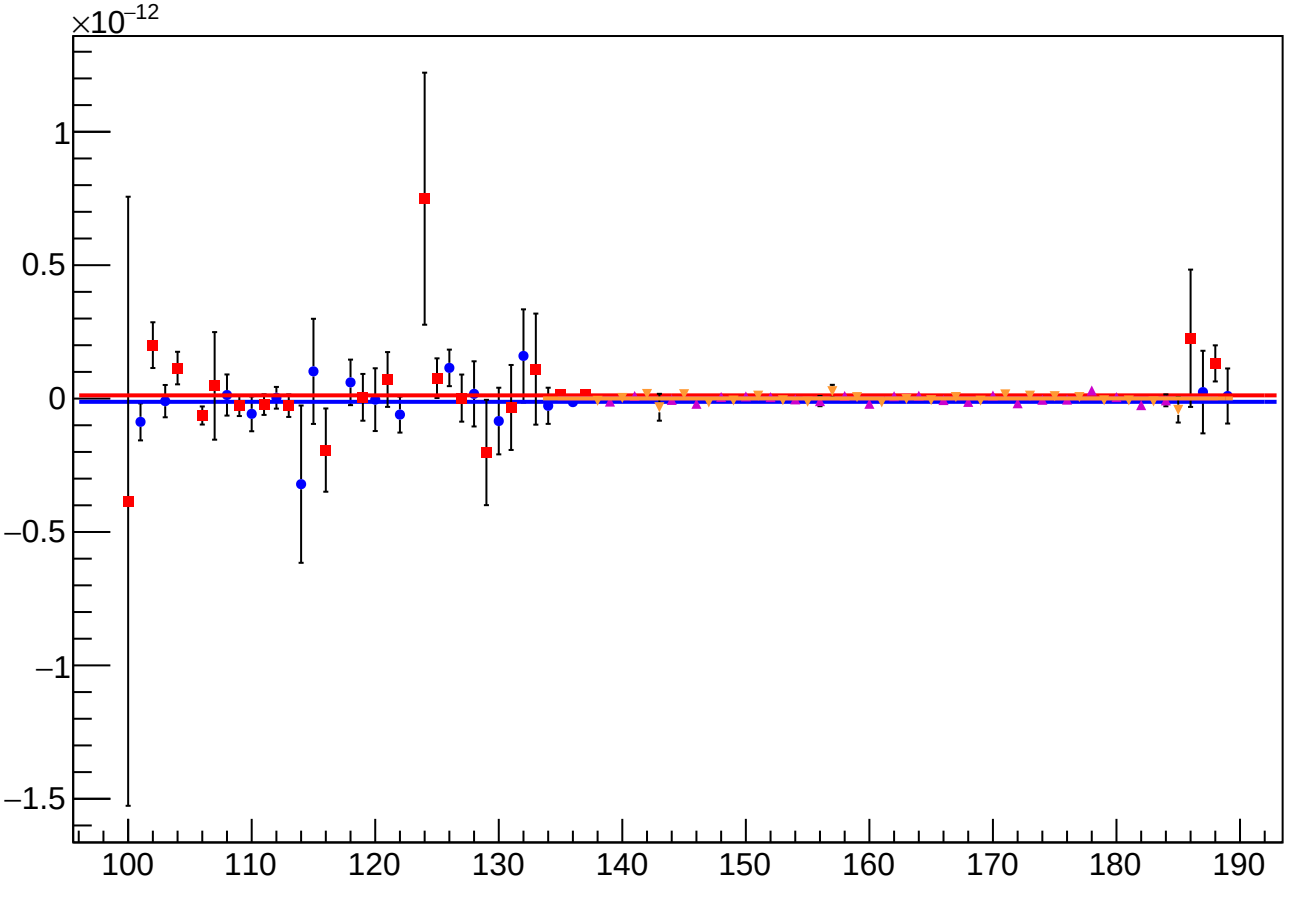
Right Out: 1523.482+/-0.373 χ^2/NDF: 656715.2/20

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1349.248+/-0.185 χ^2/NDF: 1314642.7/42

All: 1349.201+/-0.131 χ^2/NDF: 2309228.0/86

- sign 1349.153+/-0.185 χ^2/NDF: 994585.2/43



Right In: -0.000+/-0.000 χ^2/NDF: 9.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

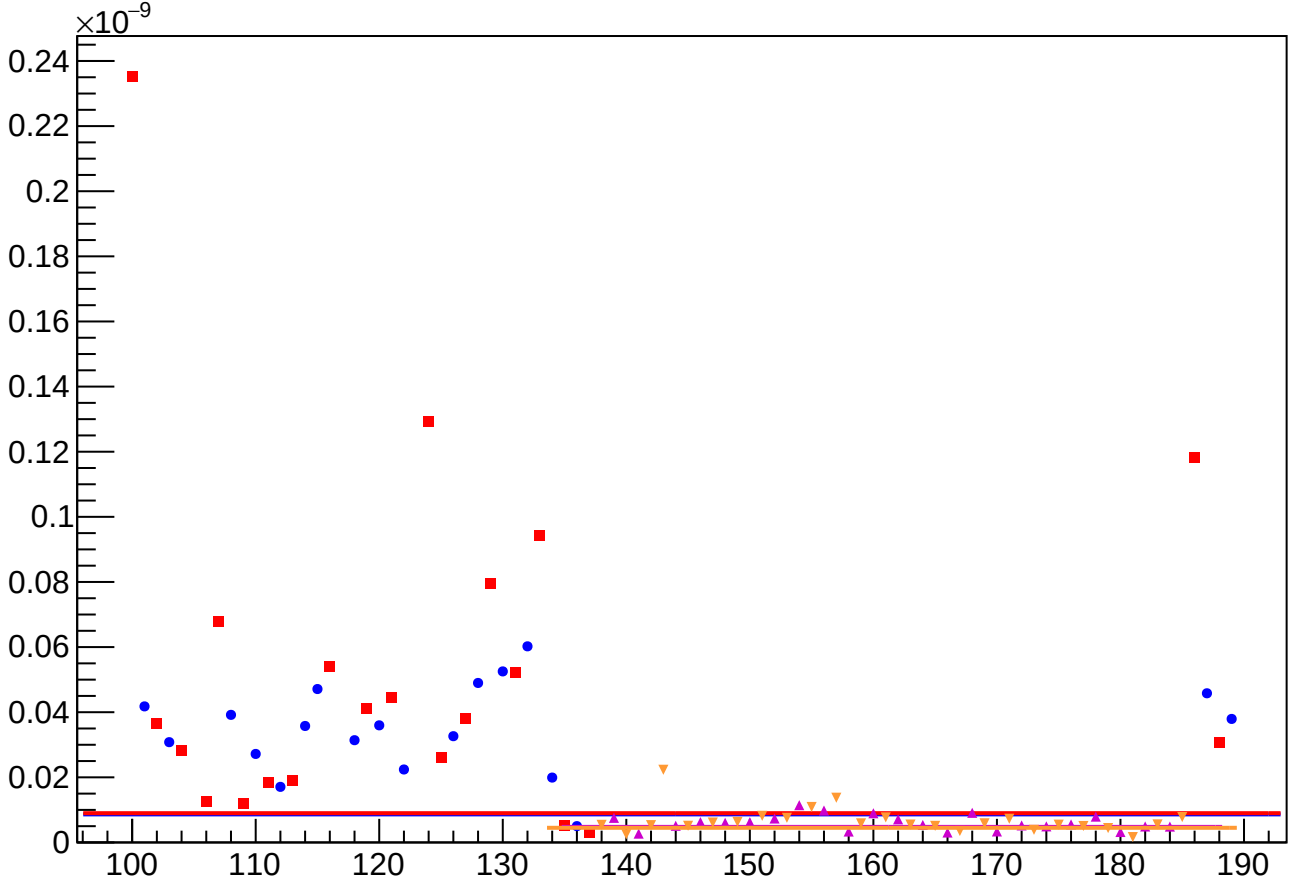
Right Out: 0.000+/-0.000 χ^2/NDF: 26.2/20

Left In: 0.000+/-0.000 χ^2/NDF:29.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 36.7/42

All: 0.000+/-0.000 χ^2/NDF: 94.7/86

- sign 0.000+/-0.000 χ^2/NDF: 57.6/43



Right In: 0.000+/-0.000 χ^2/NDF: 3338564.5/17

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

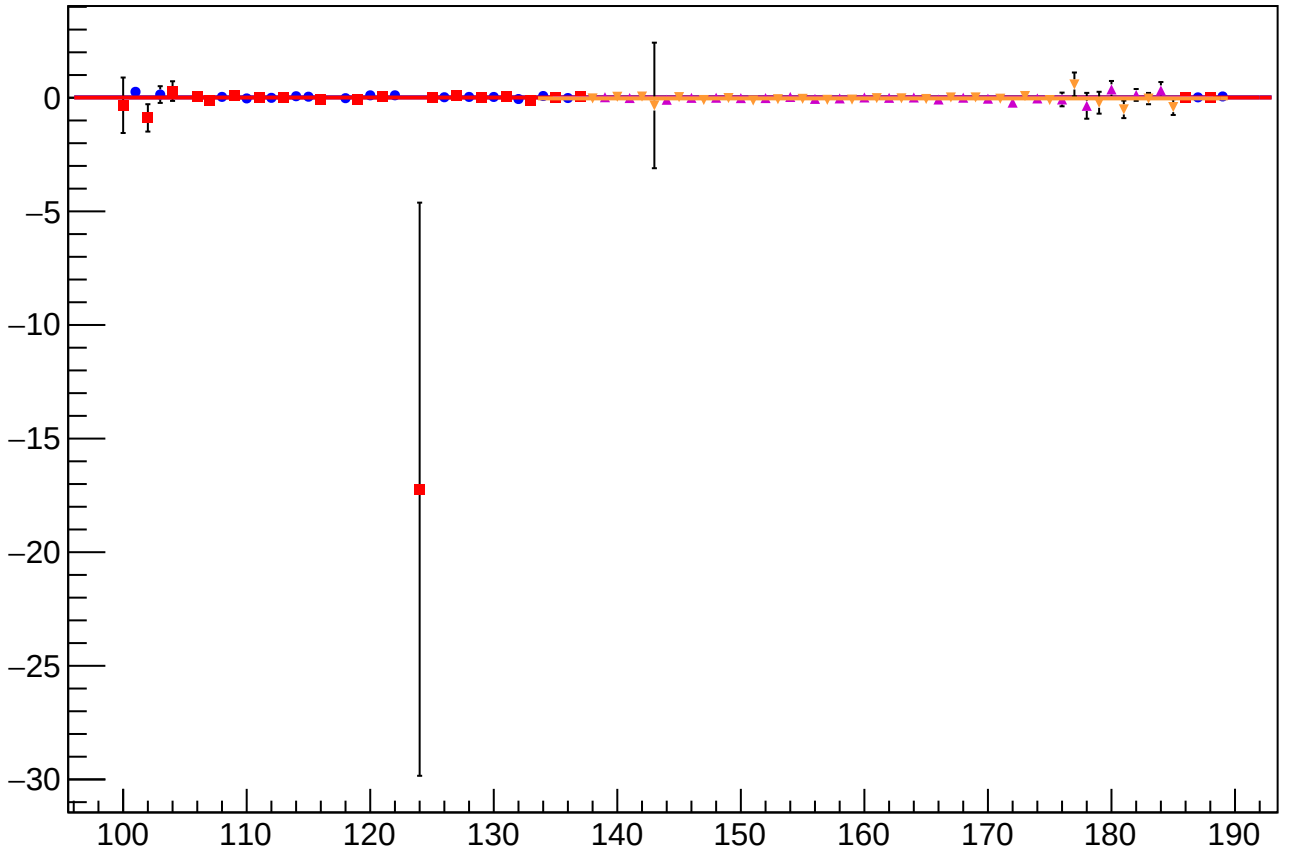
Right Out: 0.000+/-0.000 χ^2/NDF: 3922083.4/20

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 6635022.1/42

All: 0.000+/-0.000 χ^2/NDF: 12990997.0/86

- sign 0.000+/-0.000 χ^2/NDF: 6333308.7/43



Right In: 0.019+/-0.015 χ^2/NDF: 11.8/17

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

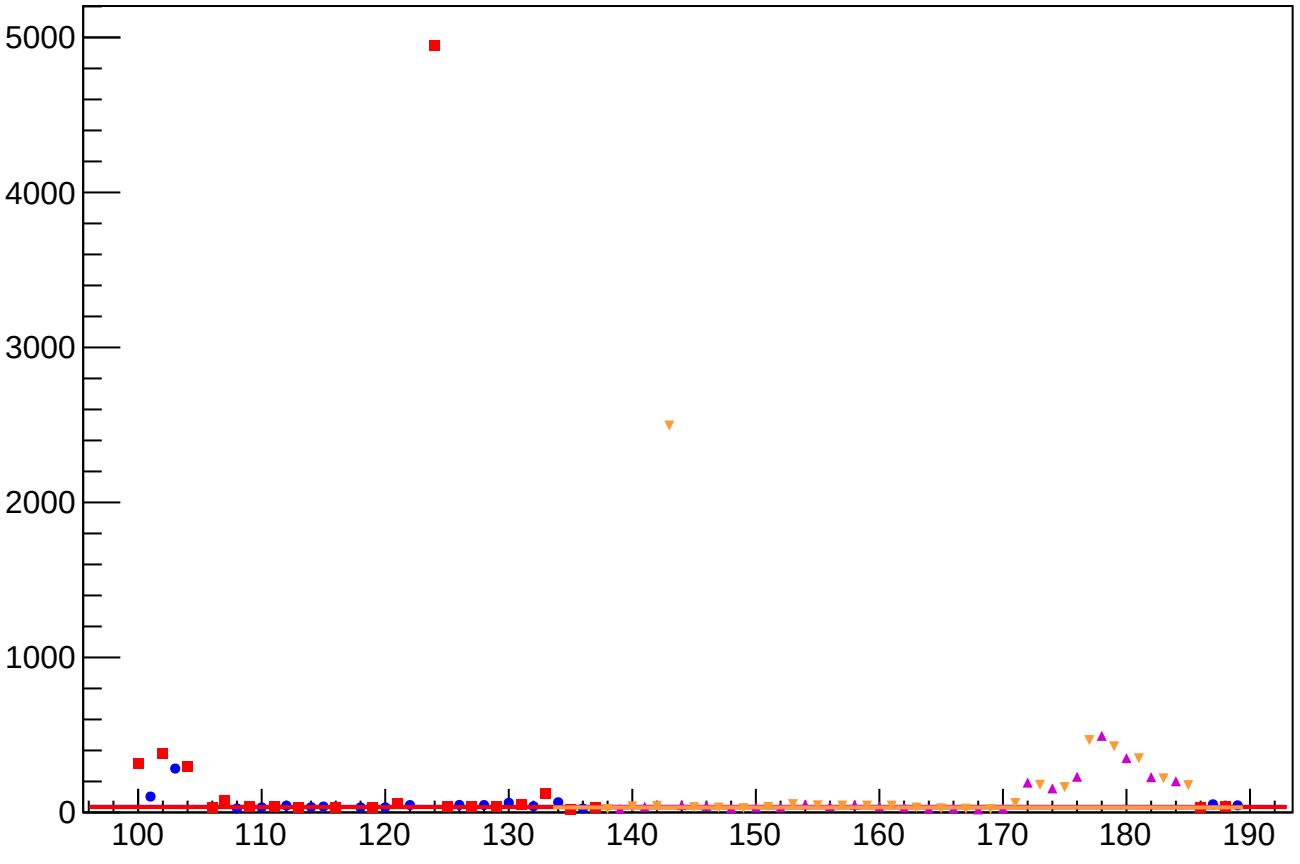
Right Out: 0.009+/-0.014 χ^2/NDF: 16.5/20

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.015+/-0.008 χ^2/NDF: 46.8/42

All: -0.009+/-0.006 χ^2/NDF: 78.6/86

- sign -0.005+/-0.008 χ^2/NDF: 31.1/43



Right In: 36.439+/-0.011 χ^2/NDF: 2337273.5/17

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

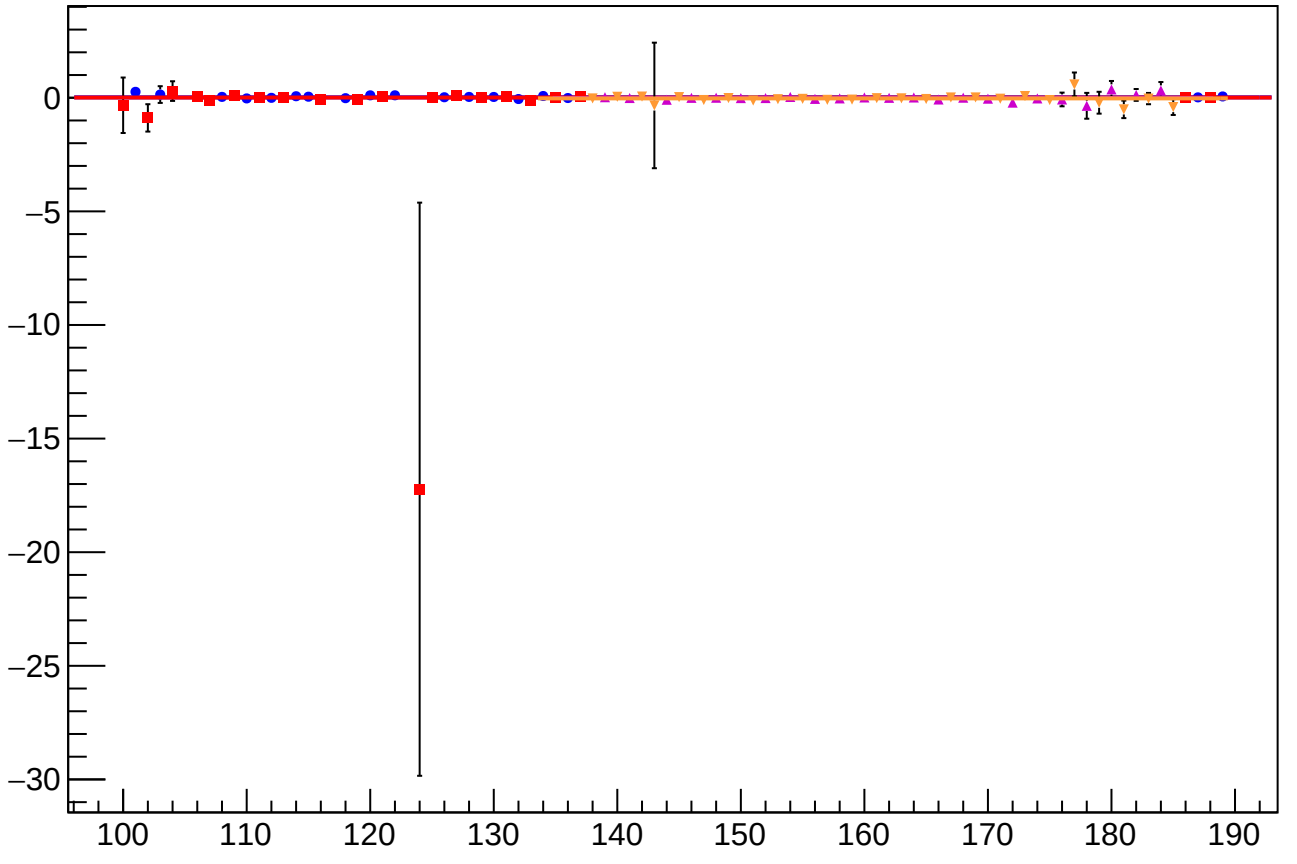
Right Out: 34.604+/-0.010 χ^2/NDF: 2943325.9/20

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 33.670+/-0.006 χ^2/NDF: 13305085.7/42

All: 33.492+/-0.004 χ^2/NDF: 25237686.8/86

- sign 33.322+/-0.006 χ^2/NDF: 11930688.7/43



Right In: 0.019+/-0.015 χ^2/NDF: 11.8/17

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

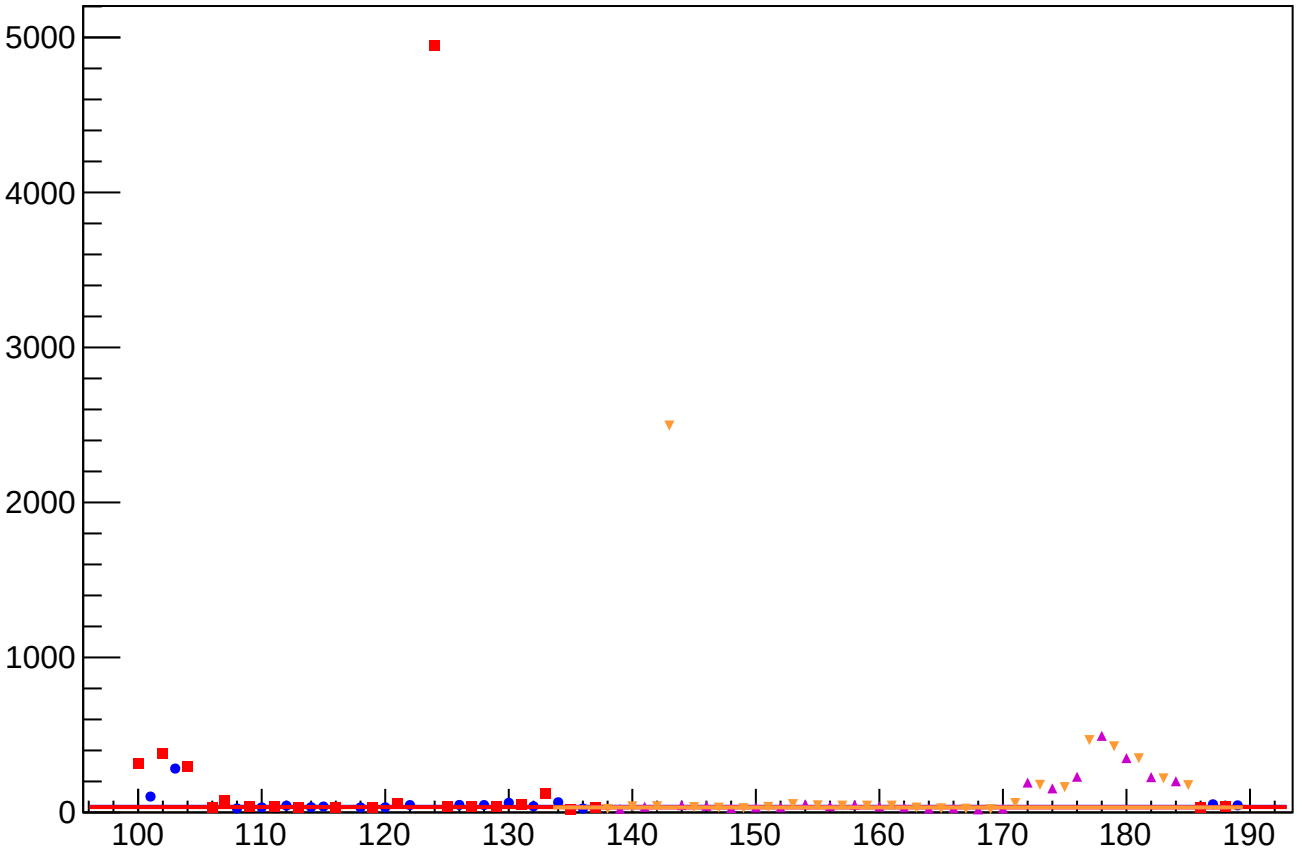
Right Out: 0.009+/-0.014 χ^2/NDF: 16.5/20

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.015+/-0.008 χ^2/NDF: 46.8/42

All: -0.009+/-0.006 χ^2/NDF: 78.6/86

- sign -0.005+/-0.008 χ^2/NDF: 31.1/43



Right In: 36.439+/-0.011 χ^2/NDF: 2337273.5/17

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 34.604+/-0.010 χ^2/NDF: 2943325.9/20

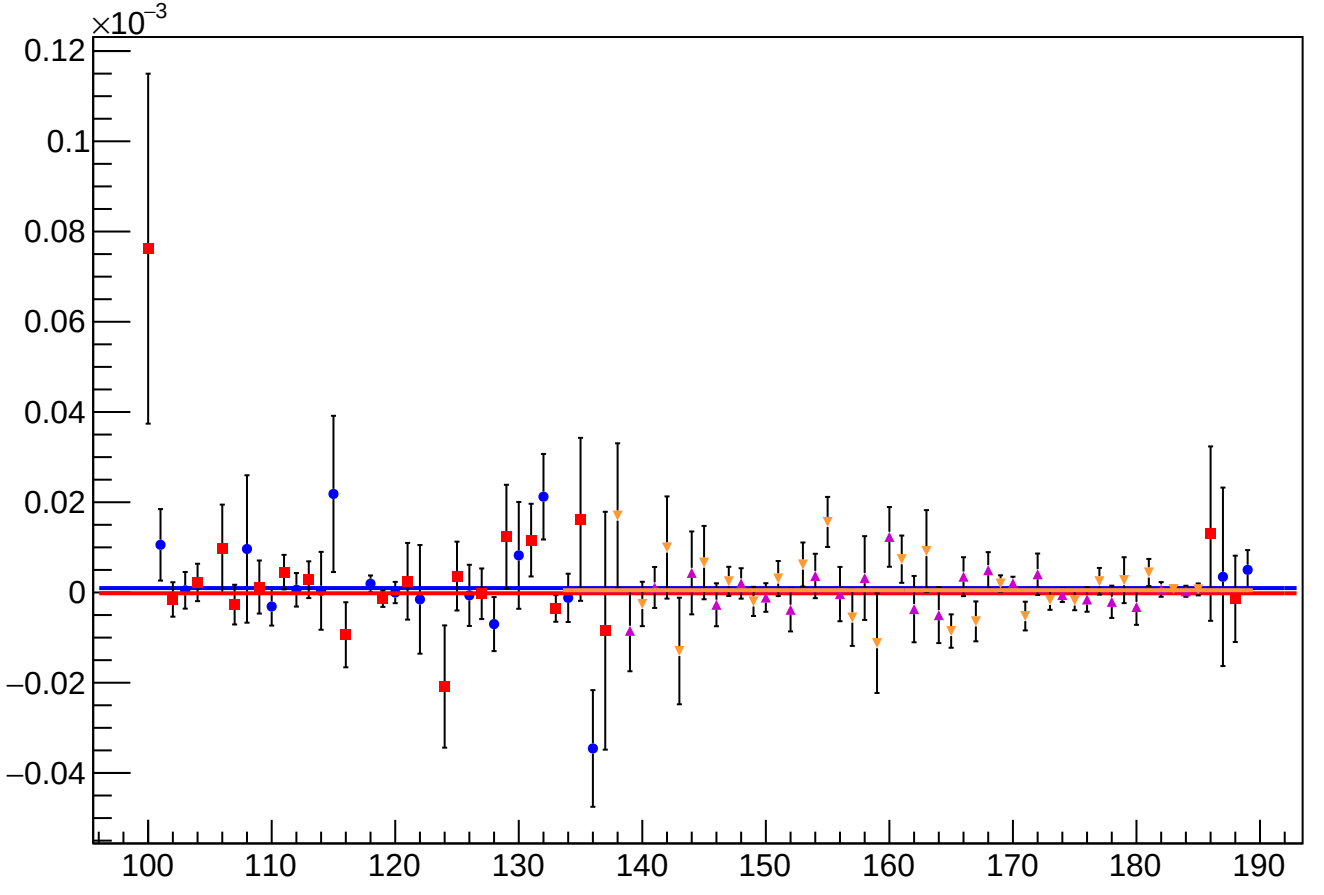
Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 33.670+/-0.006 χ^2/NDF: 13305085.7/42

All: 33.492+/-0.004 χ^2/NDF: 25237686.8/86

- sign 33.322+/-0.006 χ^2/NDF: 11930688.7/43

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

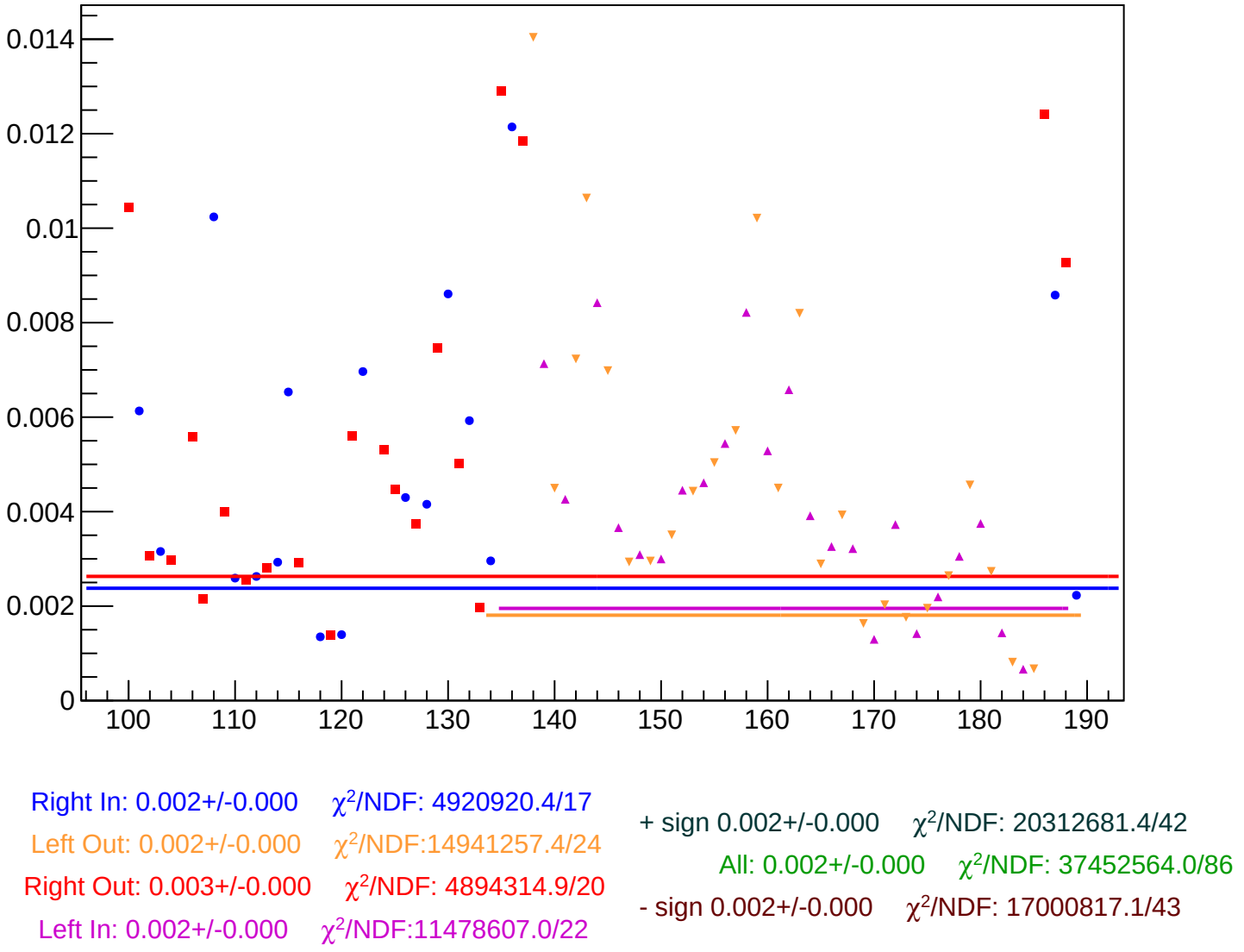
Right Out: -0.000+/-0.000 χ^2/NDF: 18.6/20

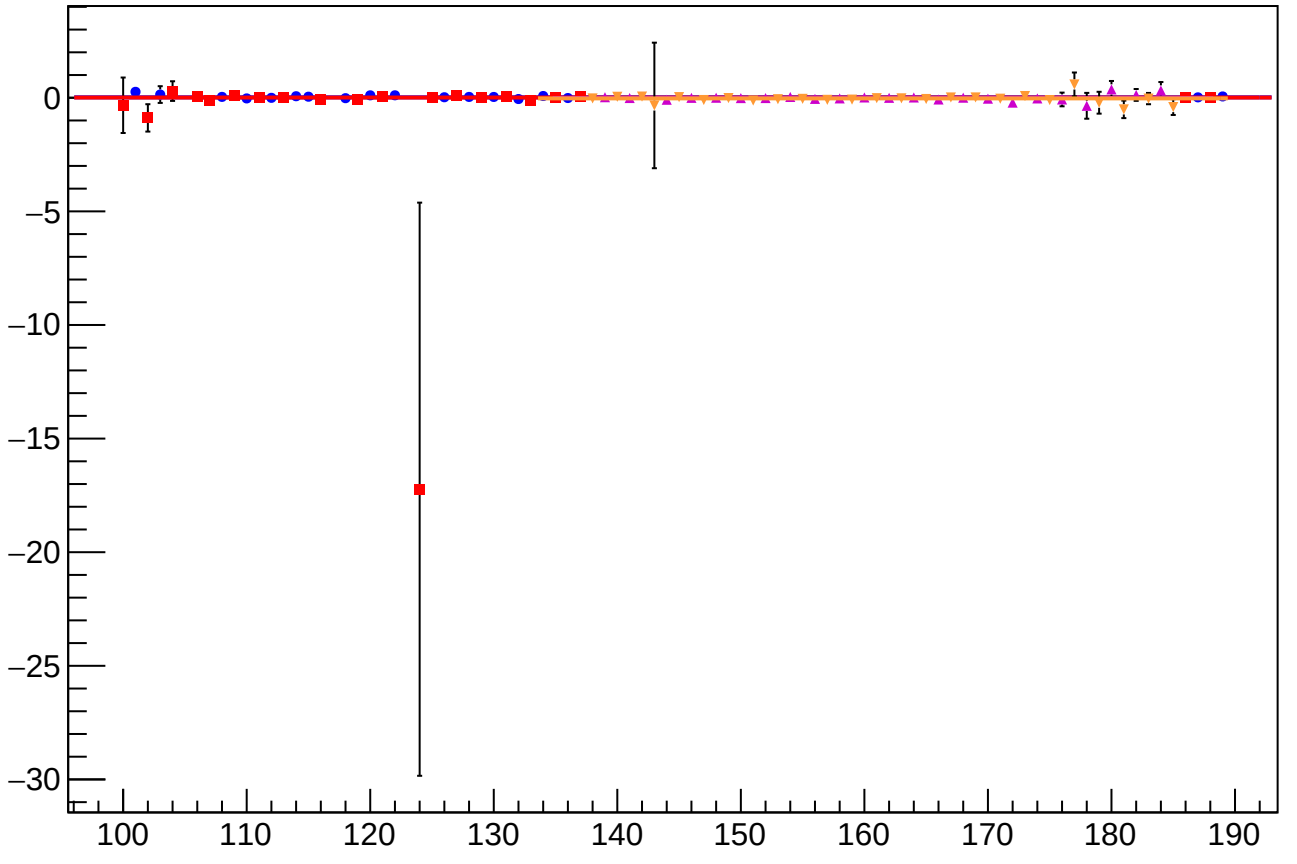
Left In: 0.000+/-0.000 χ^2/NDF:13.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 55.9/42

All: 0.000+/-0.000 χ^2/NDF: 88.6/86

- sign 0.000+/-0.000 χ^2/NDF: 32.5/43


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.002+/-0.000 χ²/NDF: 4920920.4/17
Left Out: 0.002+/-0.000 χ²/NDF:14941257.4/24
Right Out: 0.003+/-0.000 χ²/NDF: 4894314.9/20
Left In: 0.002+/-0.000 χ²/NDF:11478607.0/22
+ sign 0.002+/-0.000 χ²/NDF: 20312681.4/42
All: 0.002+/-0.000 χ²/NDF: 37452564.0/86
- sign 0.002+/-0.000 χ²/NDF: 17000817.1/43



Right In: 0.018+/-0.015 χ^2/NDF: 11.8/17

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

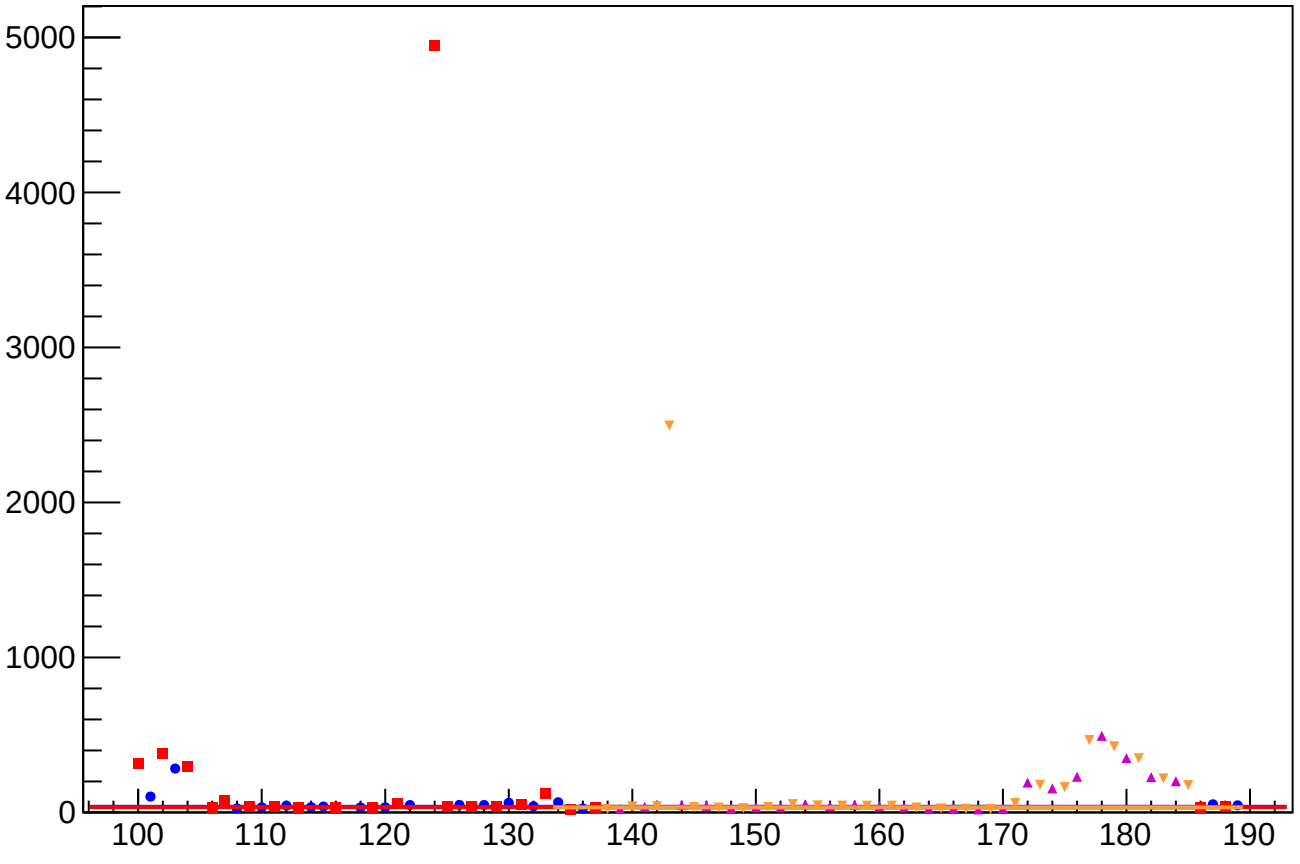
Right Out: 0.009+/-0.014 χ^2/NDF: 16.5/20

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.015+/-0.008 χ^2/NDF: 46.8/42

All: -0.009+/-0.006 χ^2/NDF: 78.6/86

- sign -0.005+/-0.008 χ^2/NDF: 31.1/43



Right In: 36.441+/-0.011 χ^2/NDF: 2336973.1/17

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

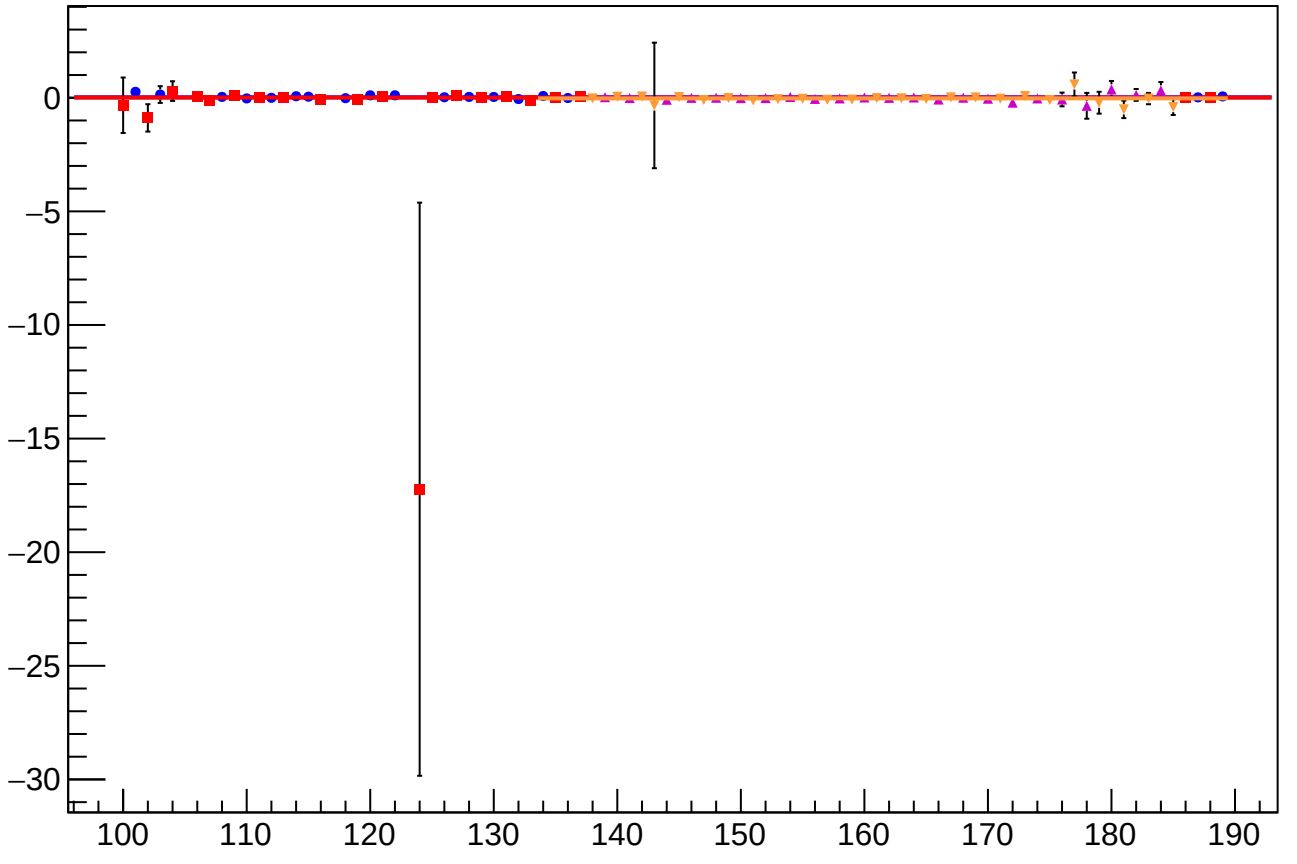
Right Out: 34.604+/-0.010 χ^2/NDF: 2943146.3/20

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 33.670+/-0.006 χ^2/NDF: 13305123.2/42

All: 33.492+/-0.004 χ^2/NDF: 25238231.7/86

- sign 33.321+/-0.006 χ^2/NDF: 11931184.4/43



Right In: 0.018+/-0.015 χ^2/NDF: 11.8/17

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

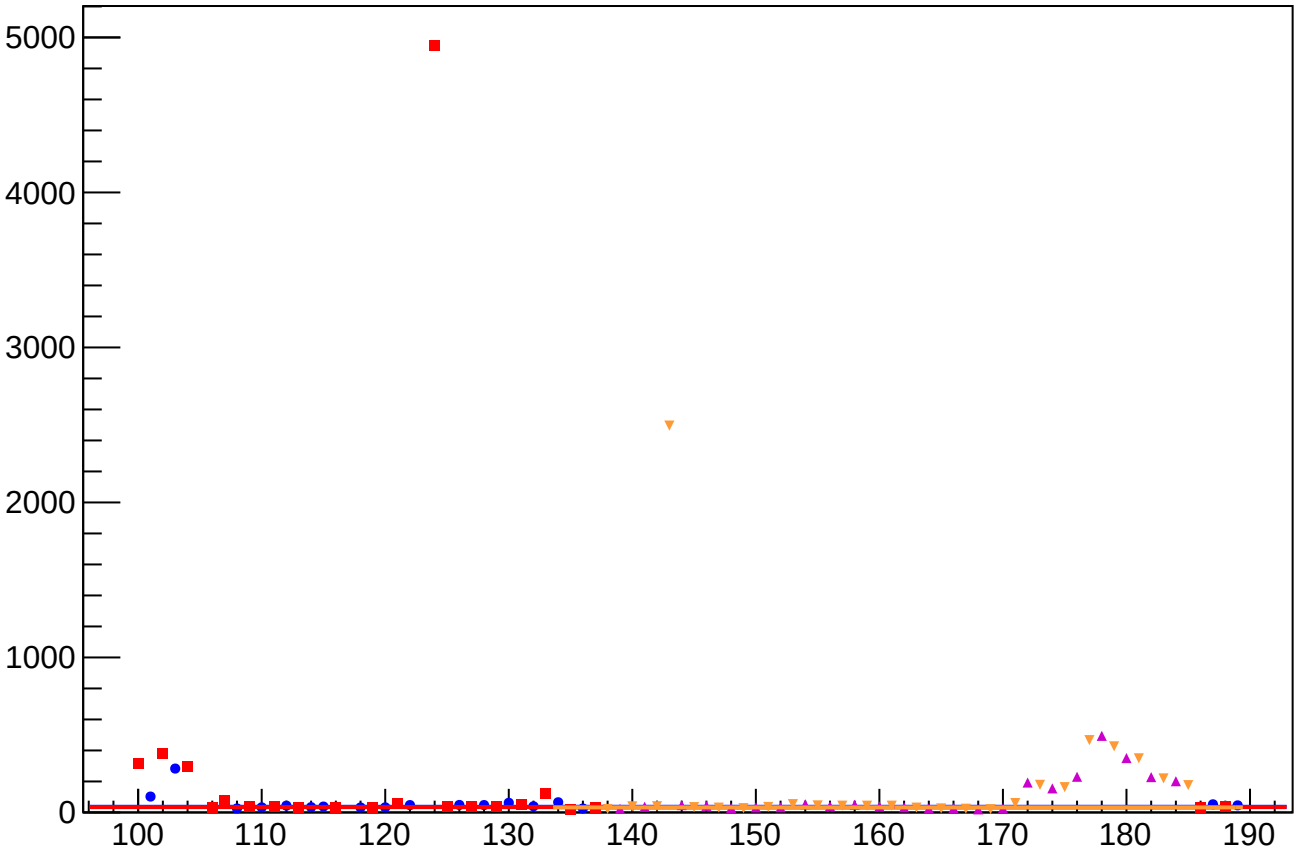
Right Out: 0.009+/-0.014 χ^2/NDF: 16.5/20

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.015+/-0.008 χ^2/NDF: 46.8/42

All: -0.009+/-0.006 χ^2/NDF: 78.6/86

- sign -0.005+/-0.008 χ^2/NDF: 31.1/43



Right In: 36.441+/-0.011 χ^2/NDF: 2336973.1/17

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

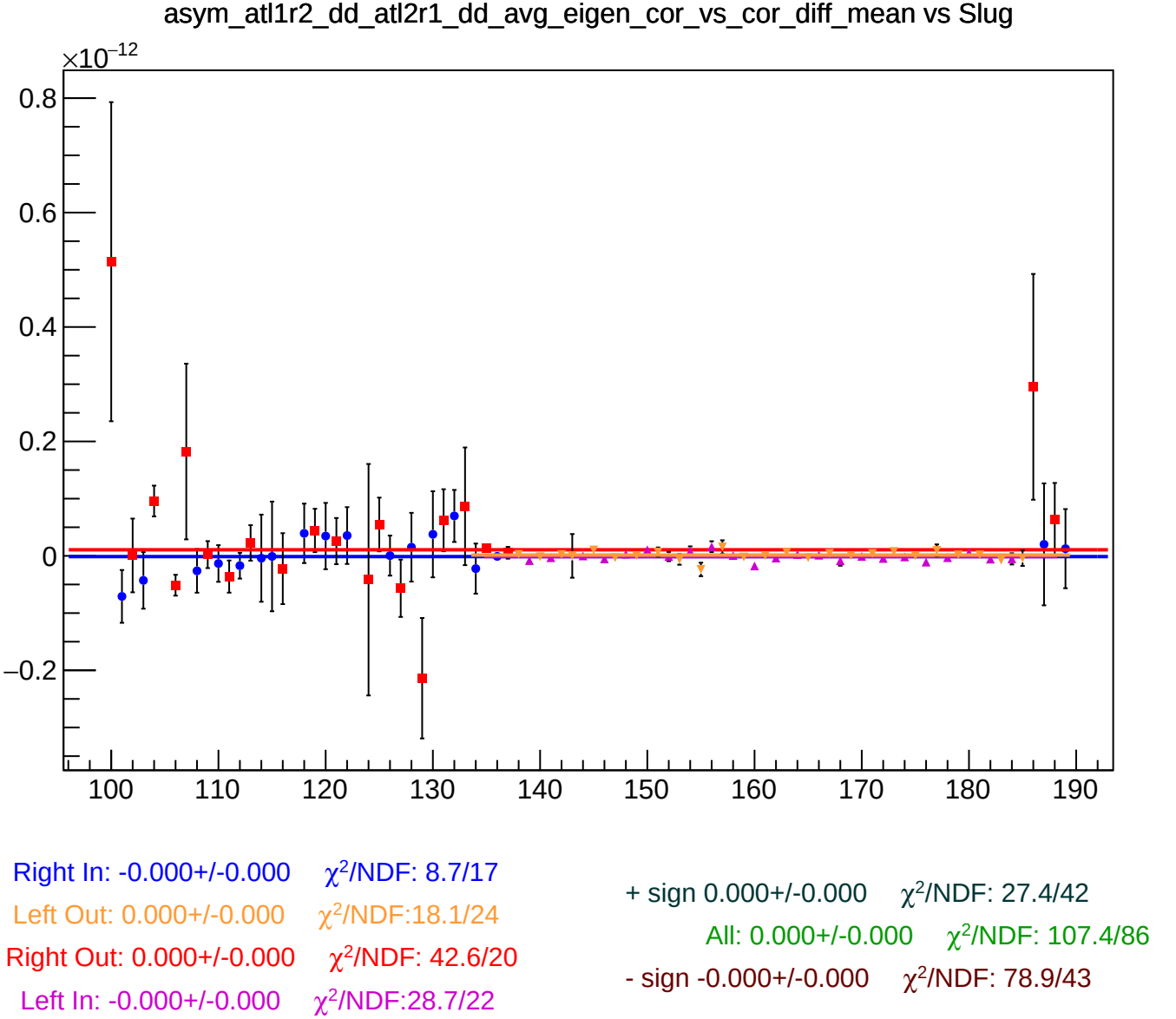
Right Out: 34.604+/-0.010 χ^2/NDF: 2943146.3/20

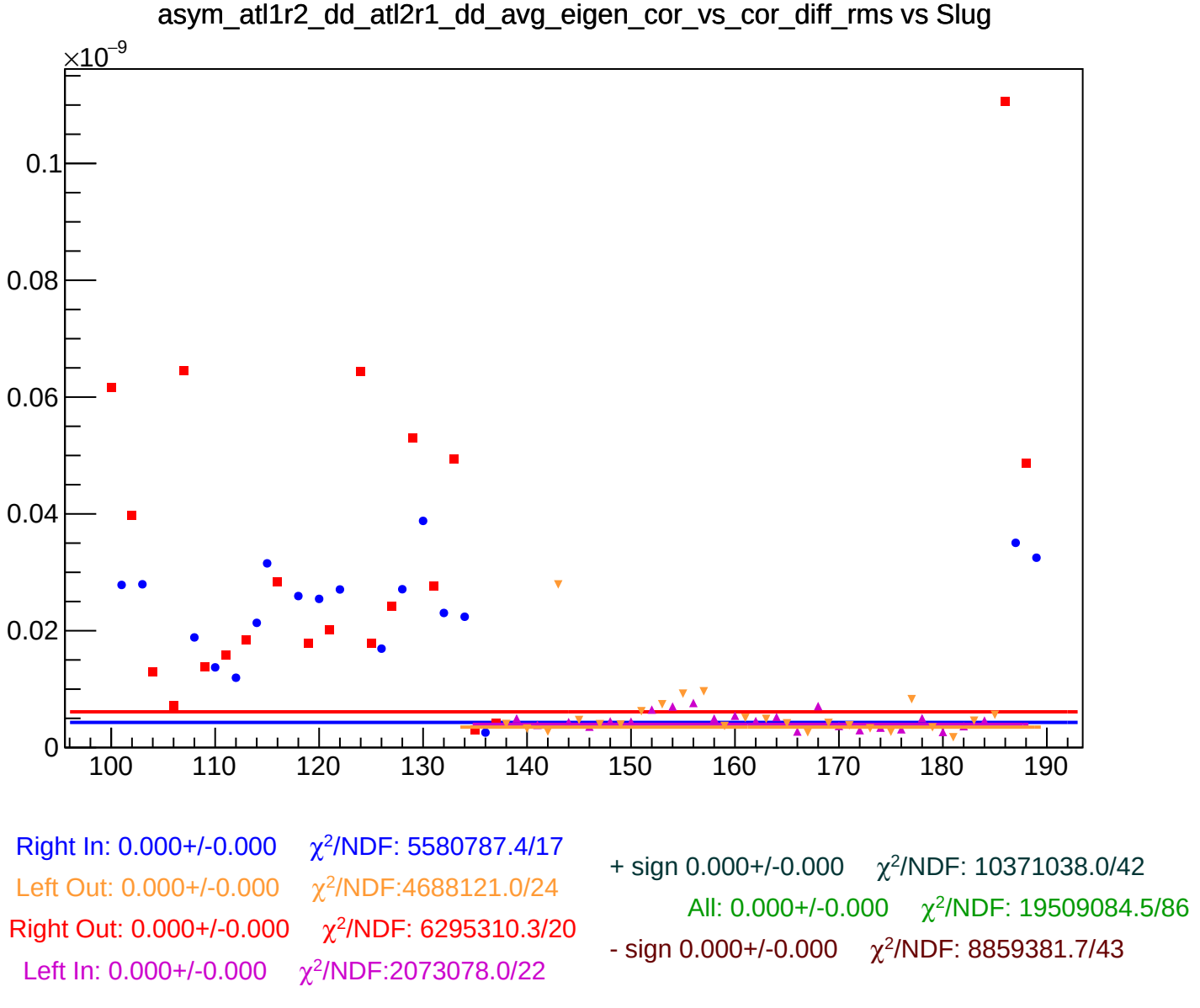
Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

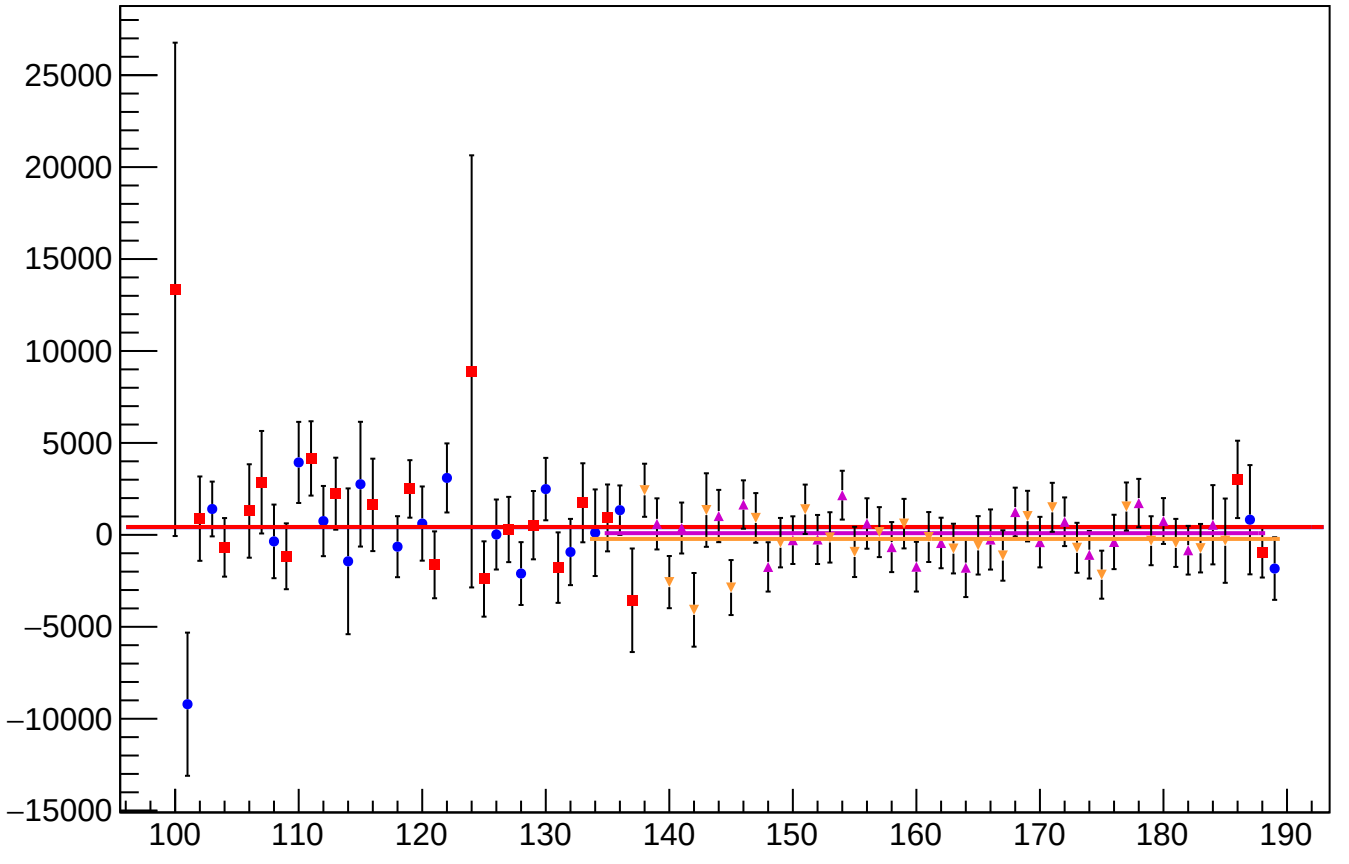
+ sign 33.670+/-0.006 χ^2/NDF: 13305123.2/42

All: 33.492+/-0.004 χ^2/NDF: 25238231.7/86

- sign 33.321+/-0.006 χ^2/NDF: 11931184.4/43


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 8.7/17
Left Out: 0.000+/-0.000 χ²/NDF:18.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 42.6/20
Left In: -0.000+/-0.000 χ²/NDF:28.7/22
+ sign 0.000+/-0.000 χ²/NDF: 27.4/42
All: 0.000+/-0.000 χ²/NDF: 107.4/86
- sign -0.000+/-0.000 χ²/NDF: 78.9/43


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 5580787.4/17
Left Out: 0.000+/-0.000 χ²/NDF:4688121.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 6295310.3/20
Left In: 0.000+/-0.000 χ²/NDF:2073078.0/22
+ sign 0.000+/-0.000 χ²/NDF: 10371038.0/42
All: 0.000+/-0.000 χ²/NDF: 19509084.5/86
- sign 0.000+/-0.000 χ²/NDF: 8859381.7/43



Right In: 416.942+/-458.583 χ^2/NDF: 19.0/17

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: 430.074+/-442.880 χ^2/NDF: 19.4/20

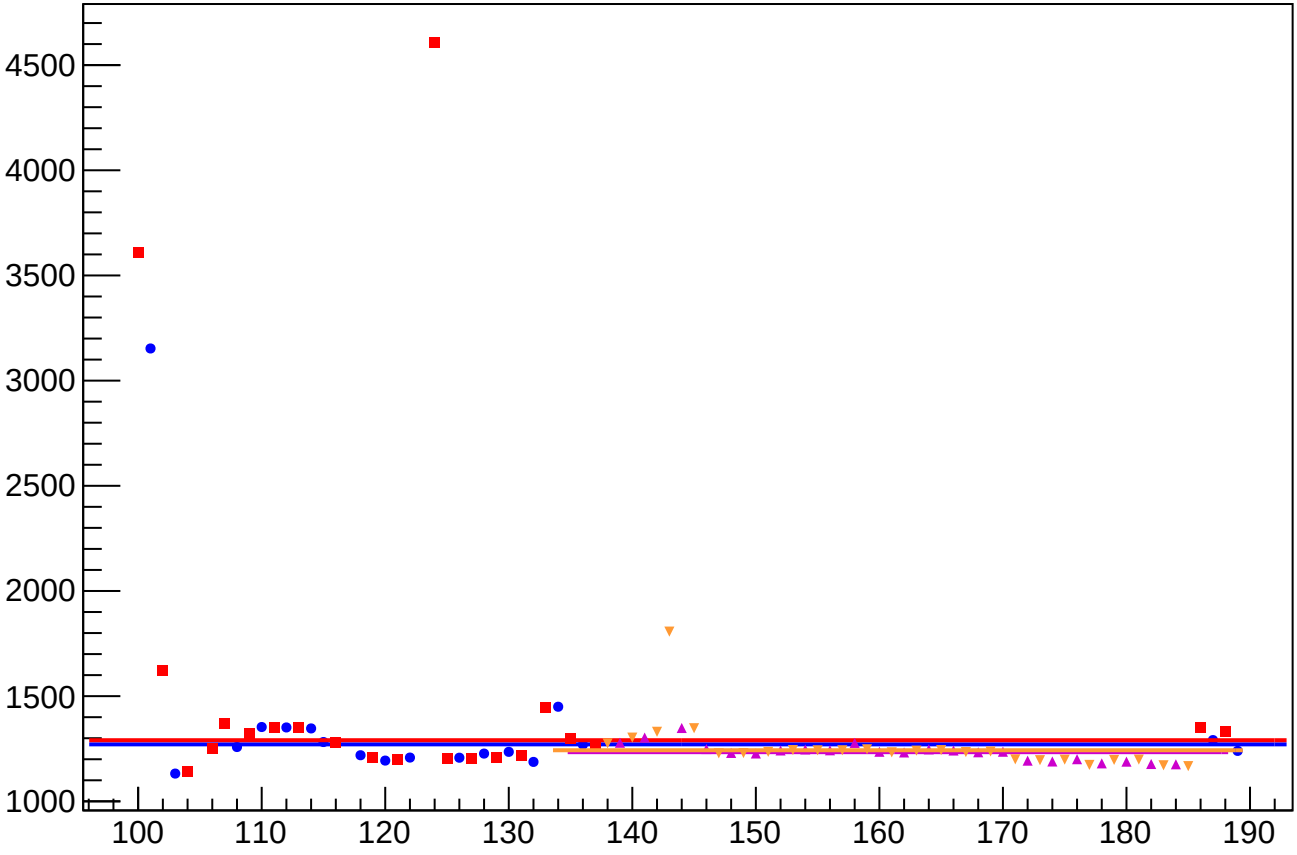
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

+ sign -44.804+/-240.866 χ^2/NDF: 44.3/42

All: 73.684+/-170.566 χ^2/NDF: 79.3/86

- sign 192.863+/-241.568 χ^2/NDF: 34.5/43

reg_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1270.843+/-0.324 χ^2/NDF: 520091.4/17

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

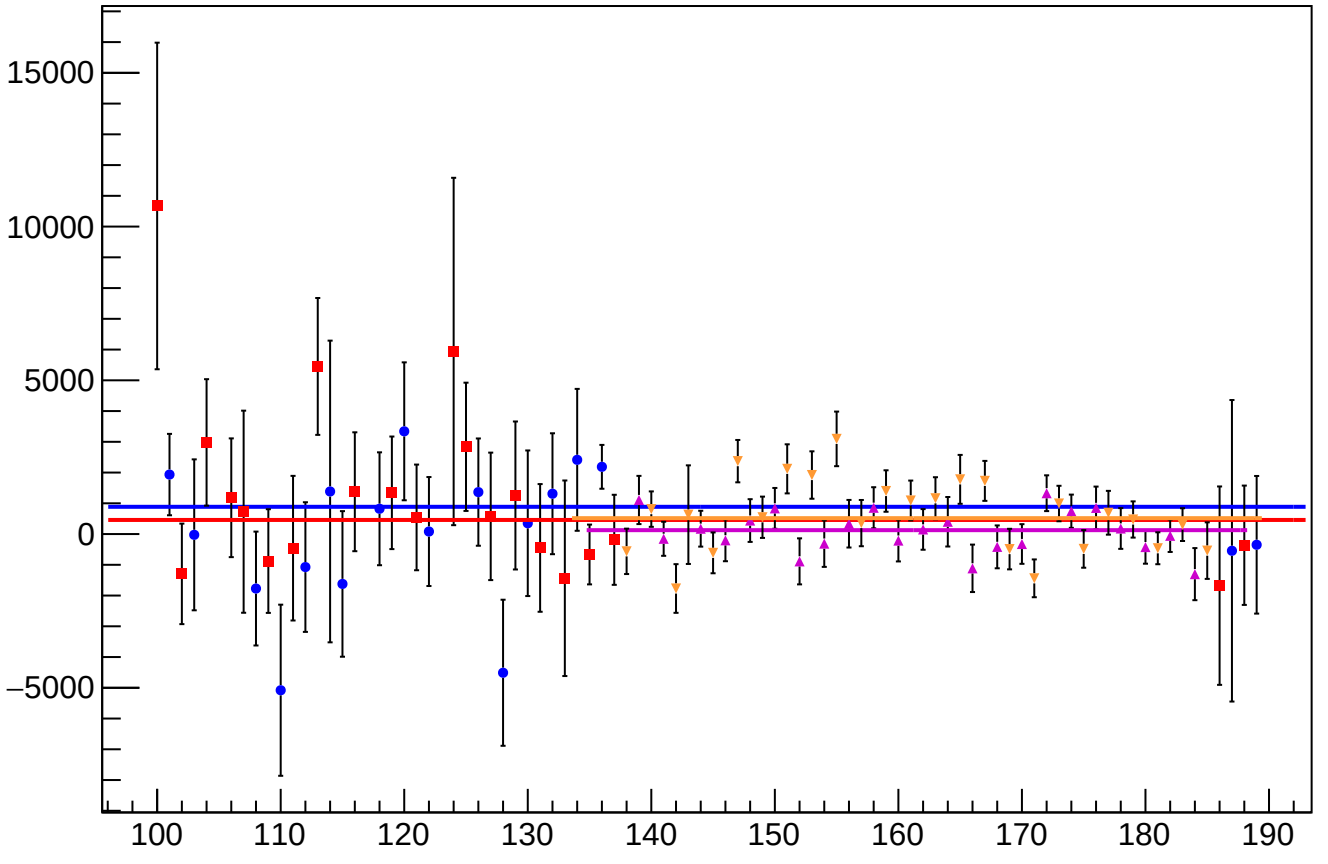
Right Out: 1290.531+/-0.313 χ^2/NDF: 326092.8/20

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1250.554+/-0.170 χ^2/NDF: 728796.8/42

All: 1250.600+/-0.121 χ^2/NDF: 1117264.1/86

- sign 1250.645+/-0.171 χ^2/NDF: 388467.2/43



Right In: 886.254+/-416.818 χ^2/NDF: 20.3/17

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

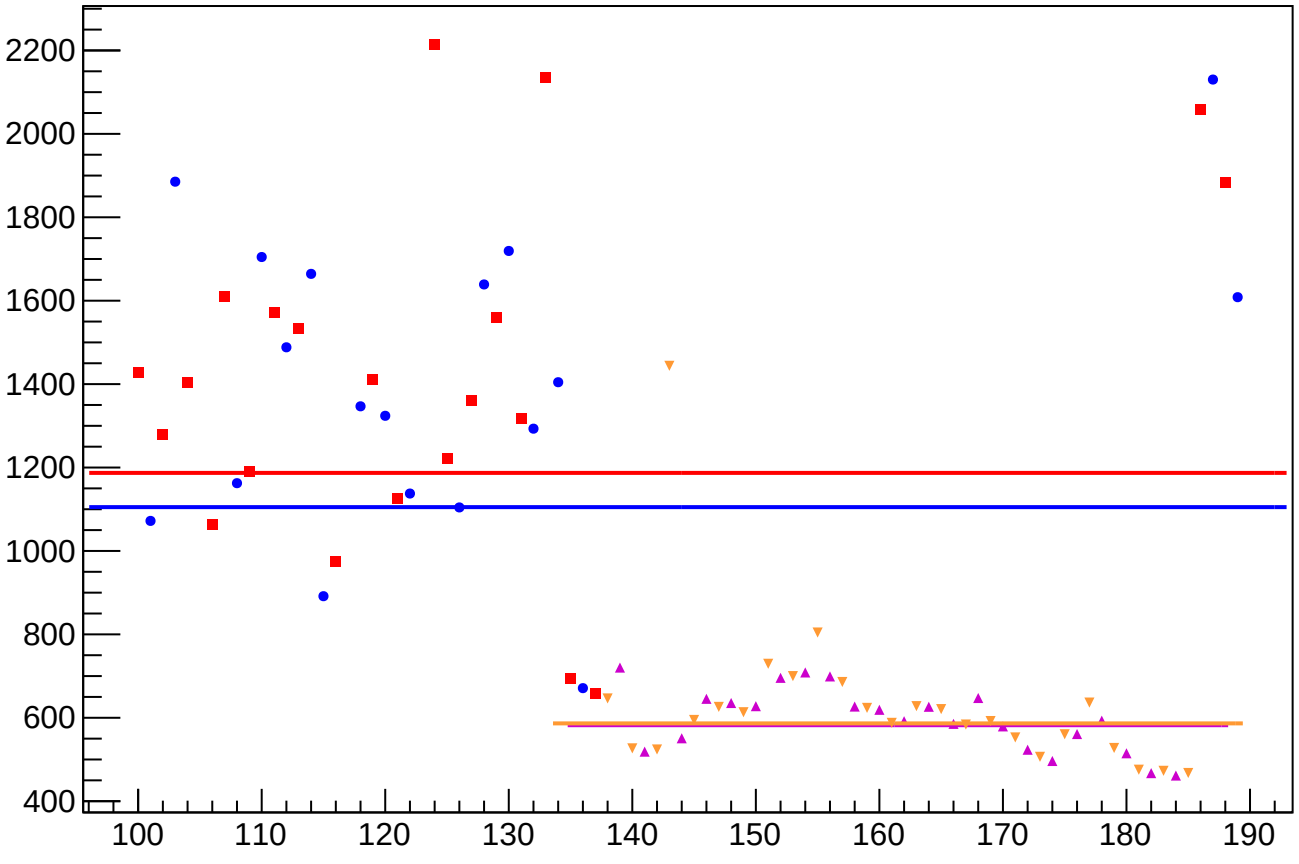
Right Out: 458.611+/-425.275 χ^2/NDF: 17.8/20

Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

+ sign 552.220+/-129.074 χ^2/NDF: 88.0/42

All: 357.423+/-91.814 χ^2/NDF: 132.6/86

- sign 157.898+/-130.630 χ^2/NDF: 39.9/43



Right In: 1105.073+/-0.295 χ^2/NDF: 1678242.2/17

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1187.148+/-0.301 χ^2/NDF: 1724492.9/20

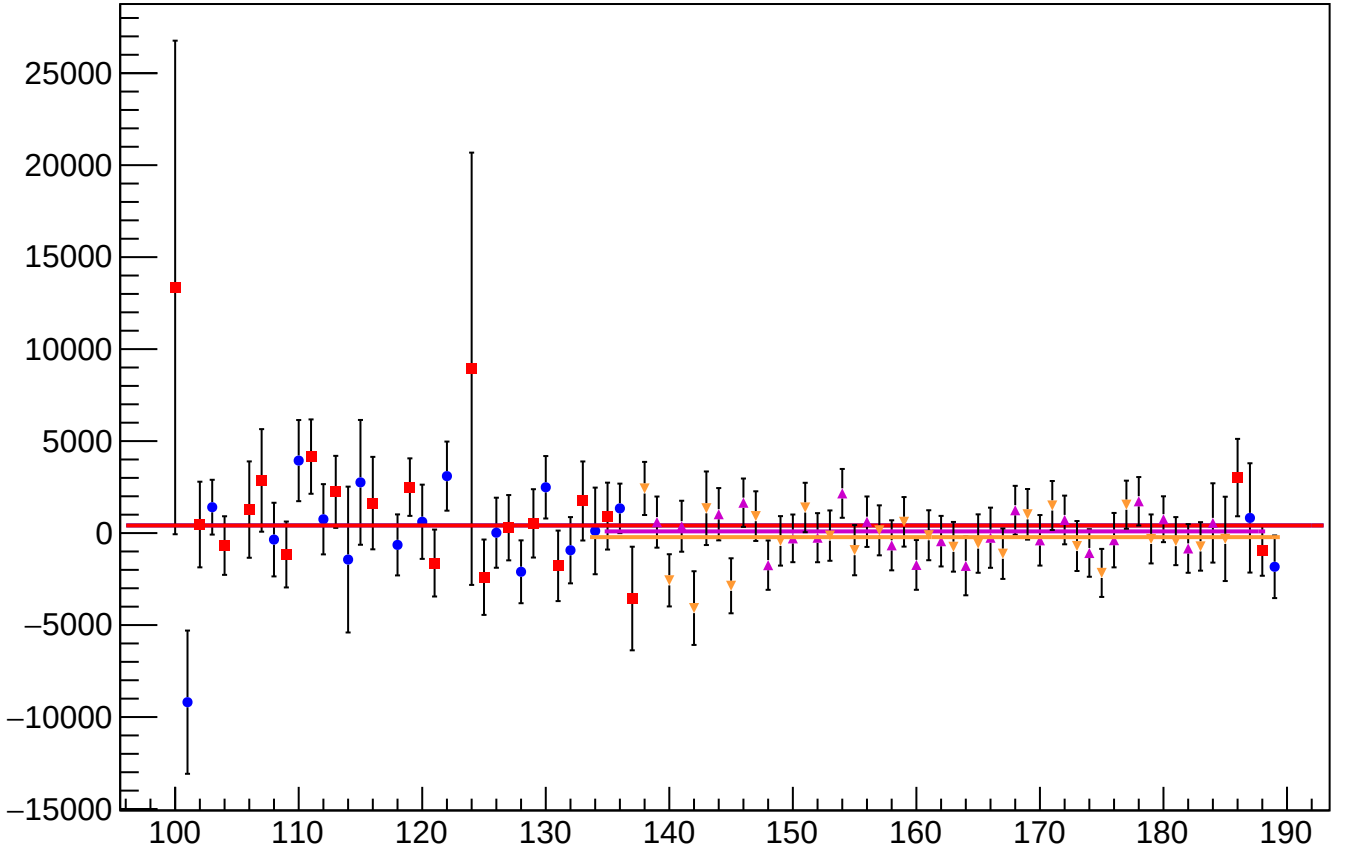
Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 636.279+/-0.091 χ^2/NDF: 5679367.4/42

All: 637.756+/-0.065 χ^2/NDF: 11628866.1/86

- sign 639.269+/-0.092 χ^2/NDF: 5948968.4/43

cor_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 417.223+/-458.583 χ^2/NDF: 18.9/17

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 412.448+/-443.519 χ^2/NDF: 19.4/20

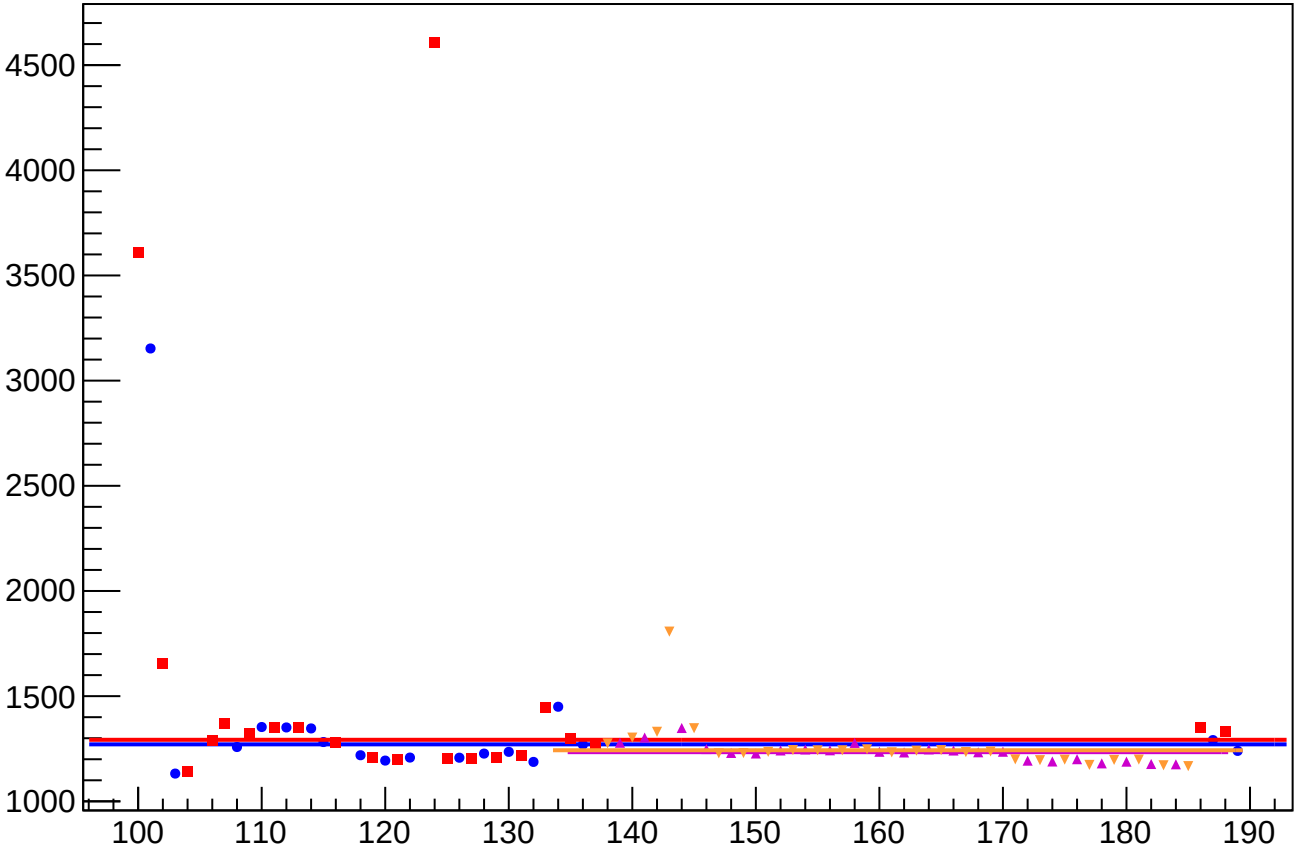
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -44.752+/-240.866 χ^2/NDF: 44.3/42

All: 70.975+/-170.602 χ^2/NDF: 79.1/86

- sign 187.476+/-241.671 χ^2/NDF: 34.4/43

cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1270.843+/-0.324 χ^2/NDF: 520092.8/17

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

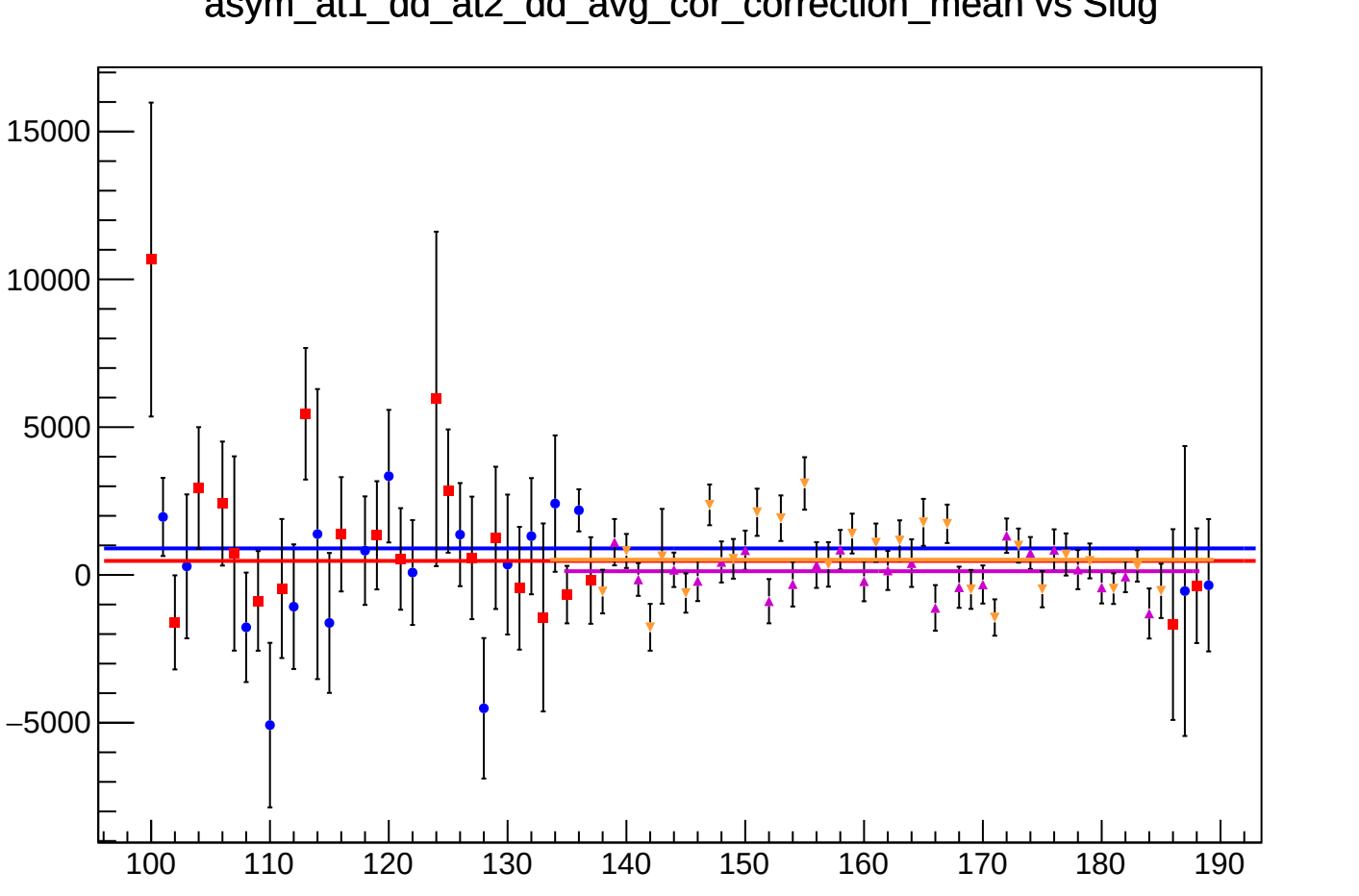
Right Out: 1292.498+/-0.314 χ^2/NDF: 332430.3/20

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1250.554+/-0.170 χ^2/NDF: 728798.1/42

All: 1250.874+/-0.121 χ^2/NDF: 1125187.6/86

- sign 1251.195+/-0.171 χ^2/NDF: 396382.5/43



Right In: 898.158+/-416.653 χ^2/NDF: 20.3/17

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: 474.485+/-426.046 χ^2/NDF: 19.0/20

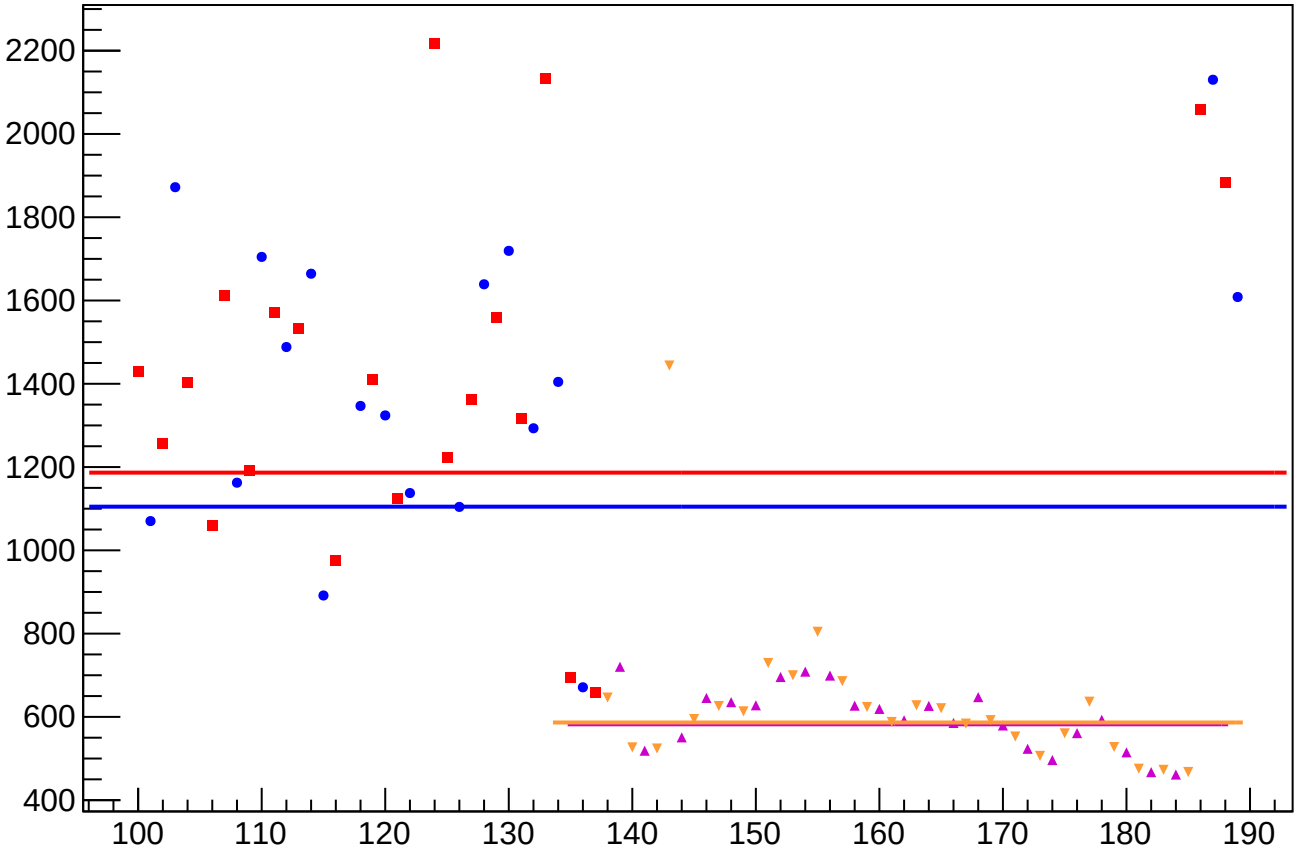
Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

\+ sign 553.406+/-129.069 χ^2/NDF: 88.1/42

All: 358.740+/-91.820 χ^2/NDF: 133.9/86

\- sign 159.270+/-130.652 χ^2/NDF: 41.2/43

asym_at1_dd_at2_dd_avg_cor_correction_rms vs Slug



Right In: 1104.872+/-0.295 χ^2/NDF: 1674845.3/17

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

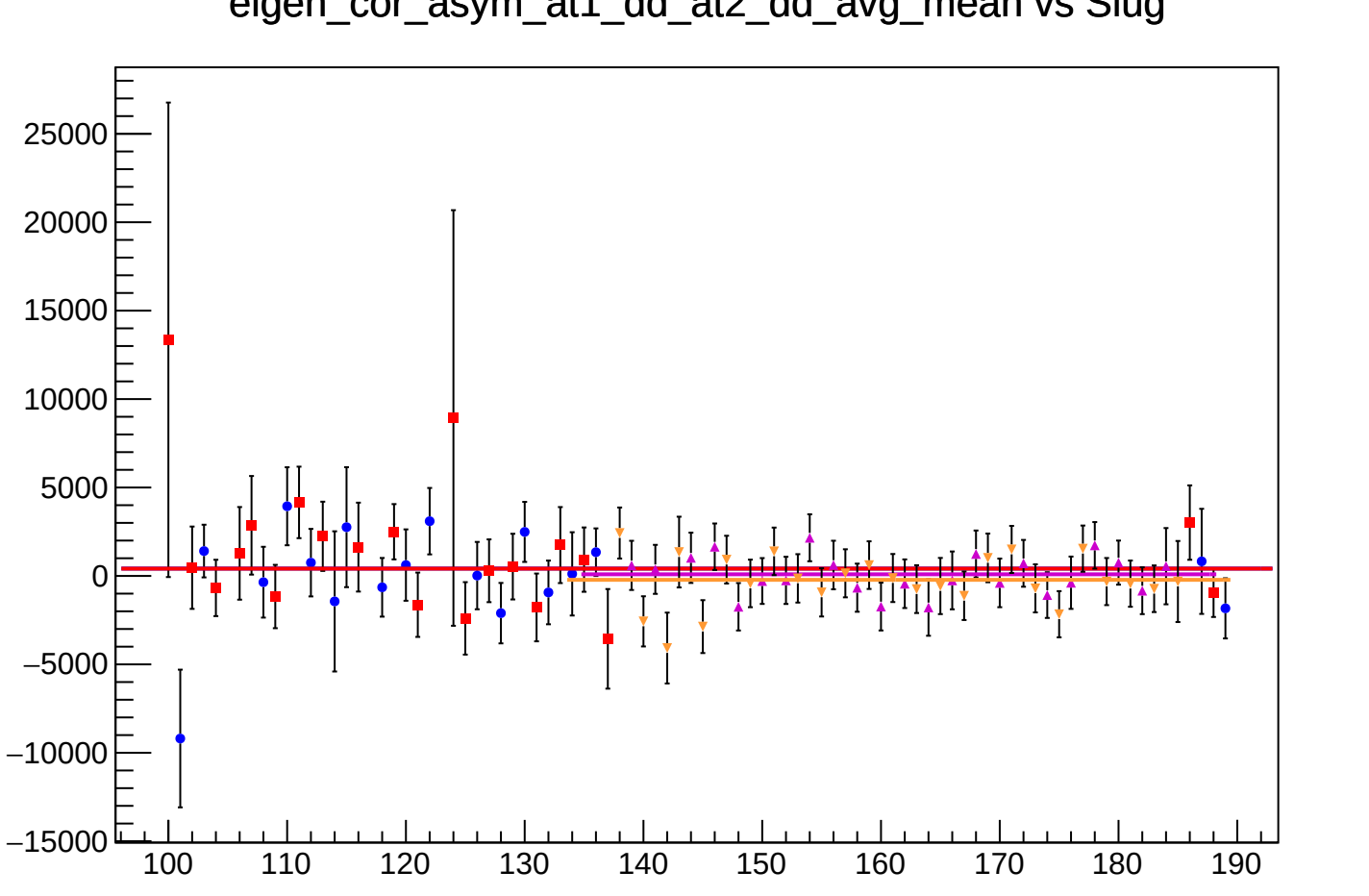
Right Out: 1186.652+/-0.301 χ^2/NDF: 1720986.2/20

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 636.300+/-0.091 χ^2/NDF: 5675667.6/42

All: 637.650+/-0.065 χ^2/NDF: 11603601.0/86

- sign 639.033+/-0.092 χ^2/NDF: 5927490.4/43



Right In: 417.223+/-458.583 χ^2/NDF: 18.9/17

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 412.448+/-443.519 χ^2/NDF: 19.4/20

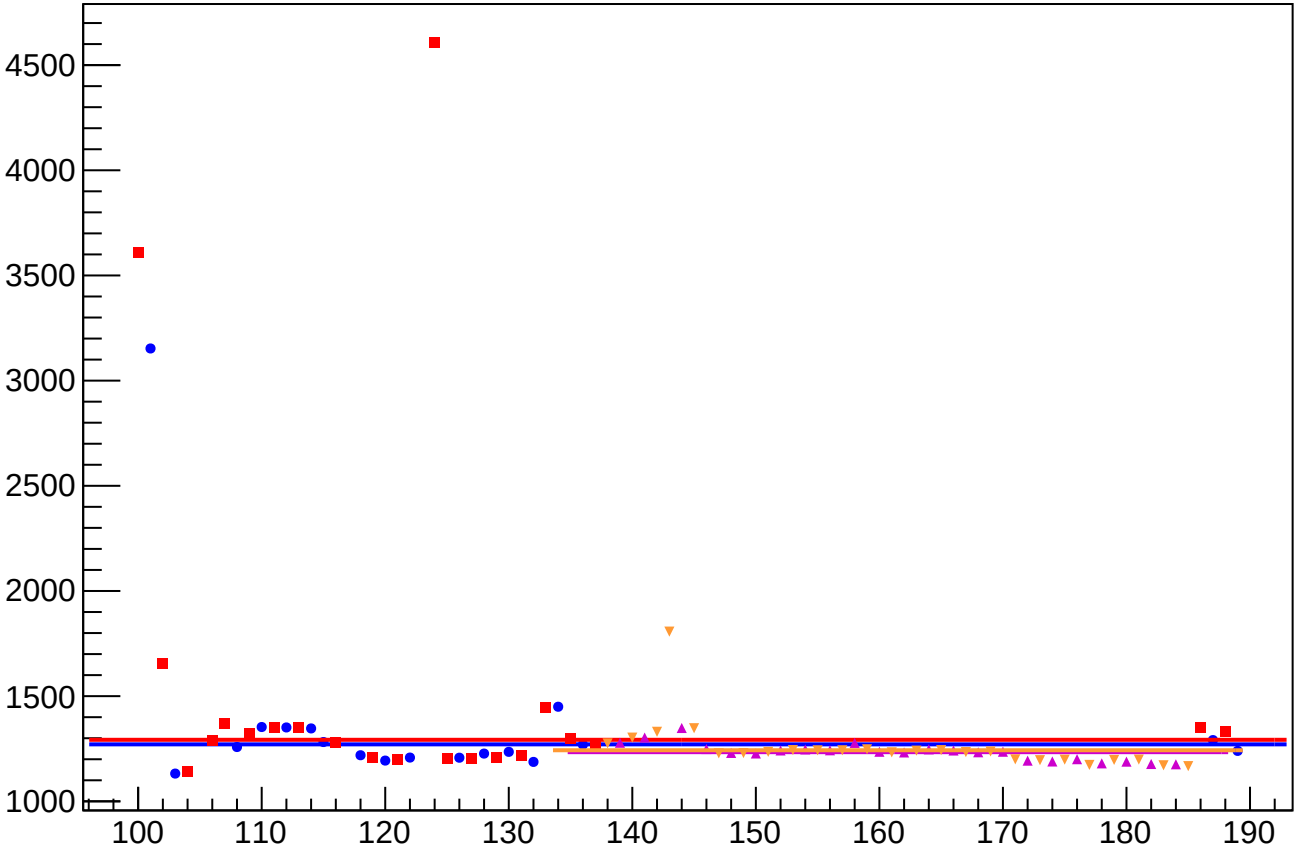
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

\+ sign -44.752+/-240.866 χ^2/NDF: 44.3/42

All: 70.975+/-170.602 χ^2/NDF: 79.1/86

\- sign 187.476+/-241.671 χ^2/NDF: 34.4/43

eigen_cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1270.843+/-0.324 χ^2/NDF: 520092.8/17

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

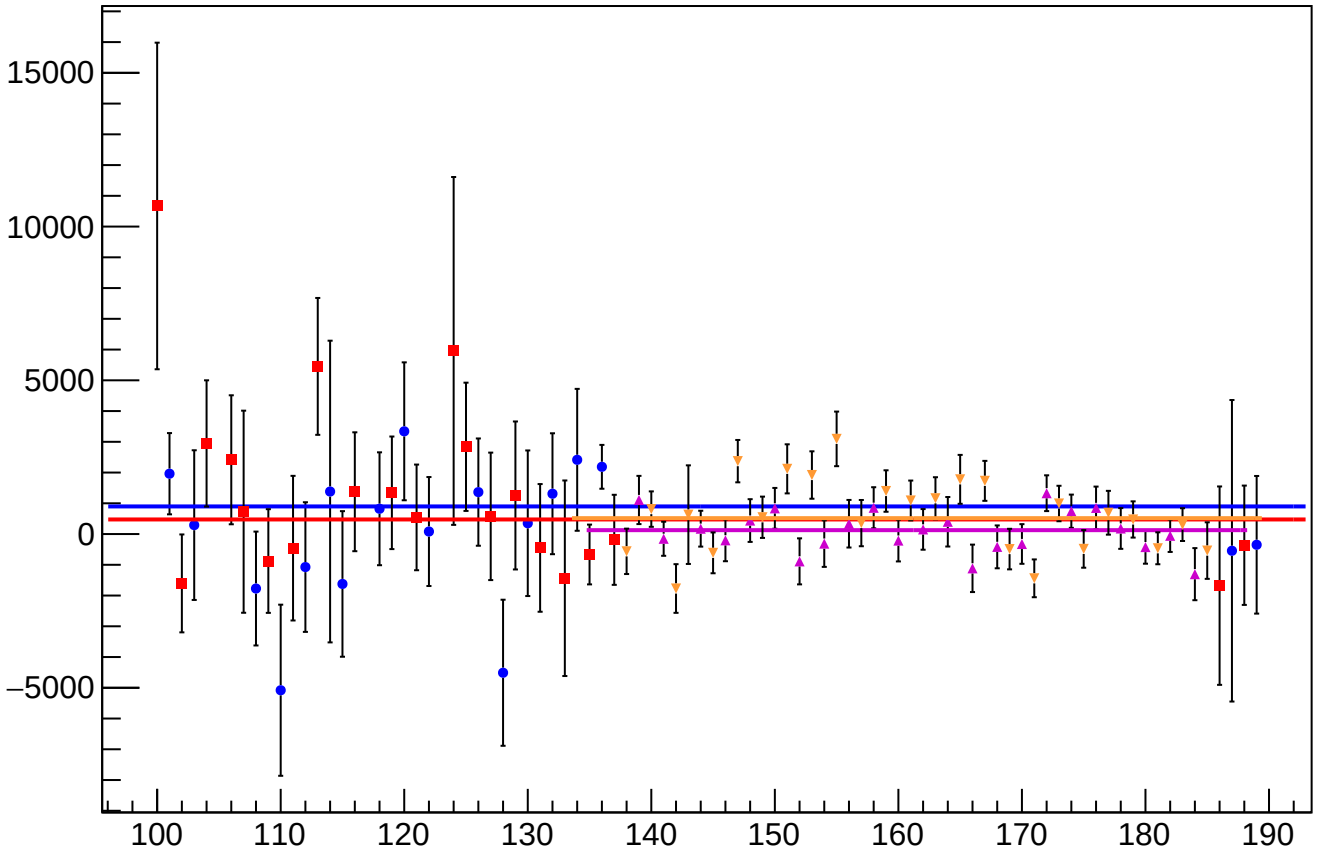
Right Out: 1292.498+/-0.314 χ^2/NDF: 332430.3/20

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1250.554+/-0.170 χ^2/NDF: 728798.1/42

All: 1250.874+/-0.121 χ^2/NDF: 1125187.6/86

- sign 1251.195+/-0.171 χ^2/NDF: 396382.5/43



Right In: 898.158+/-416.653 χ^2/NDF: 20.3/17

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

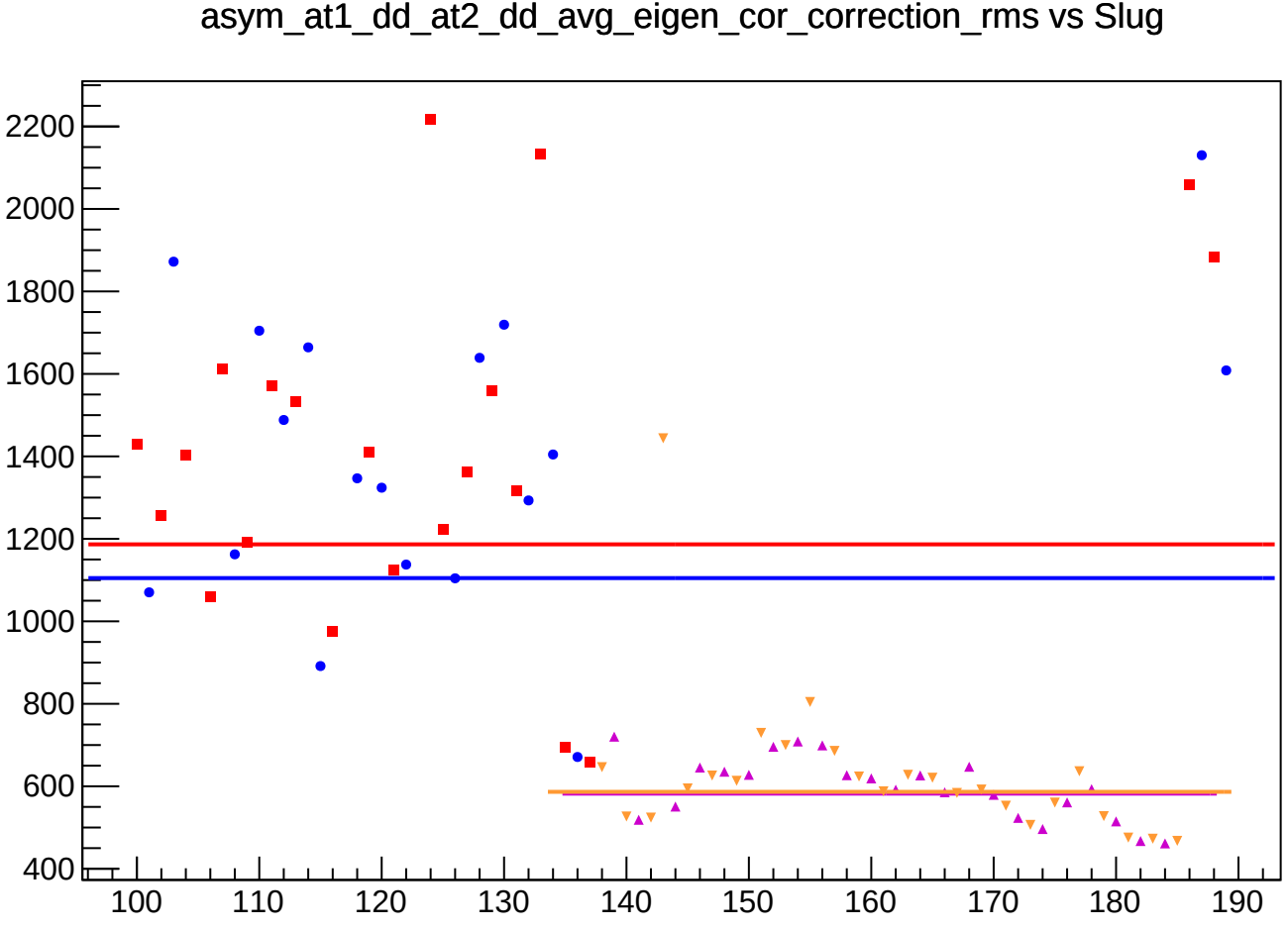
Right Out: 474.485+/-426.046 χ^2/NDF: 19.0/20

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 553.406+/-129.069 χ^2/NDF: 88.1/42

All: 358.740+/-91.820 χ^2/NDF: 133.9/86

- sign 159.270+/-130.652 χ^2/NDF: 41.2/43



Right In: 1104.872+/-0.295 χ^2/NDF: 1674845.3/17

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1186.652+/-0.301 χ^2/NDF: 1720986.2/20

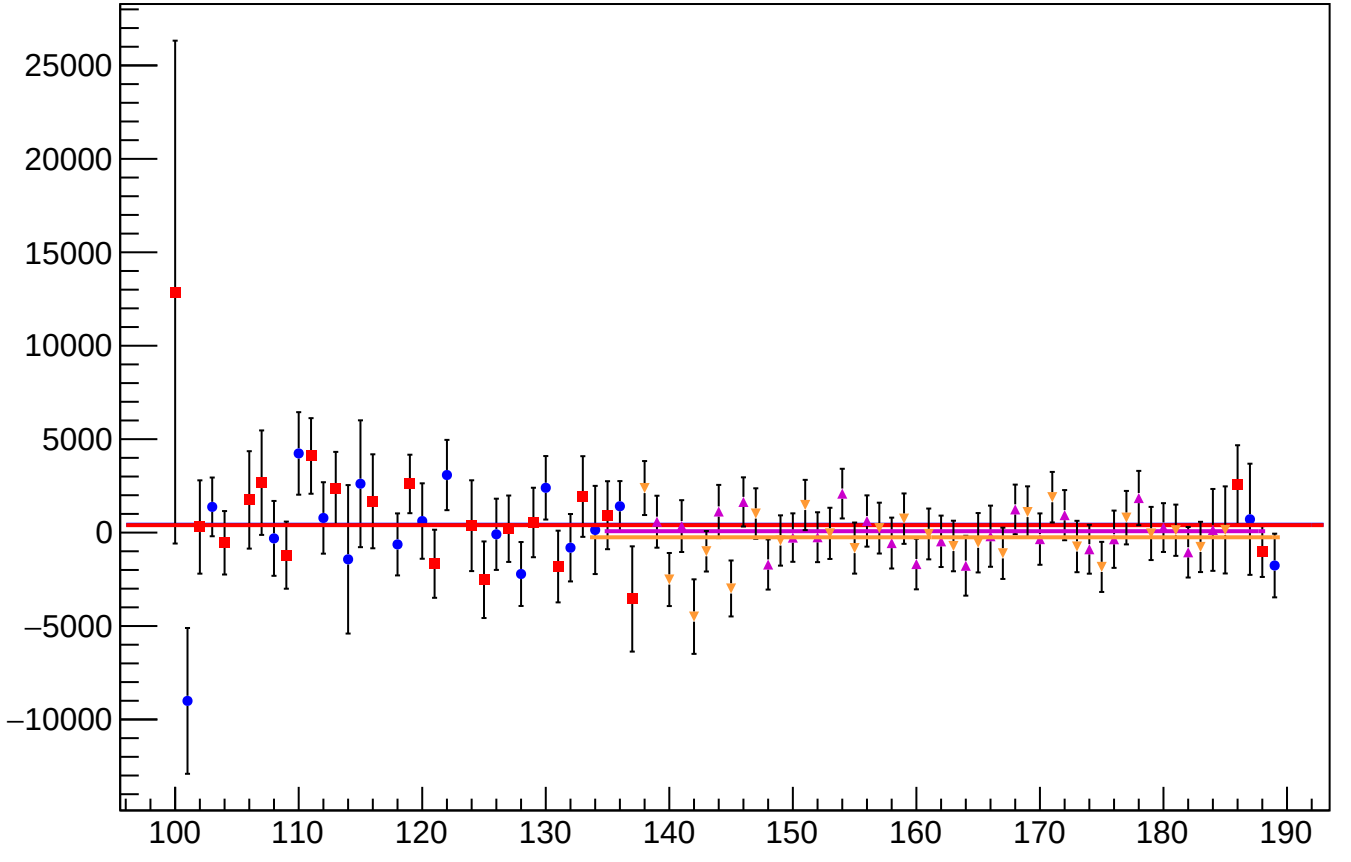
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 636.300+/-0.091 χ^2/NDF: 5675667.6/42

All: 637.650+/-0.065 χ^2/NDF: 11603601.0/86

- sign 639.033+/-0.092 χ^2/NDF: 5927490.4/43

dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 420.894+/-461.252 χ^2/NDF: 18.9/17

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: 398.578+/-440.118 χ^2/NDF: 18.8/20

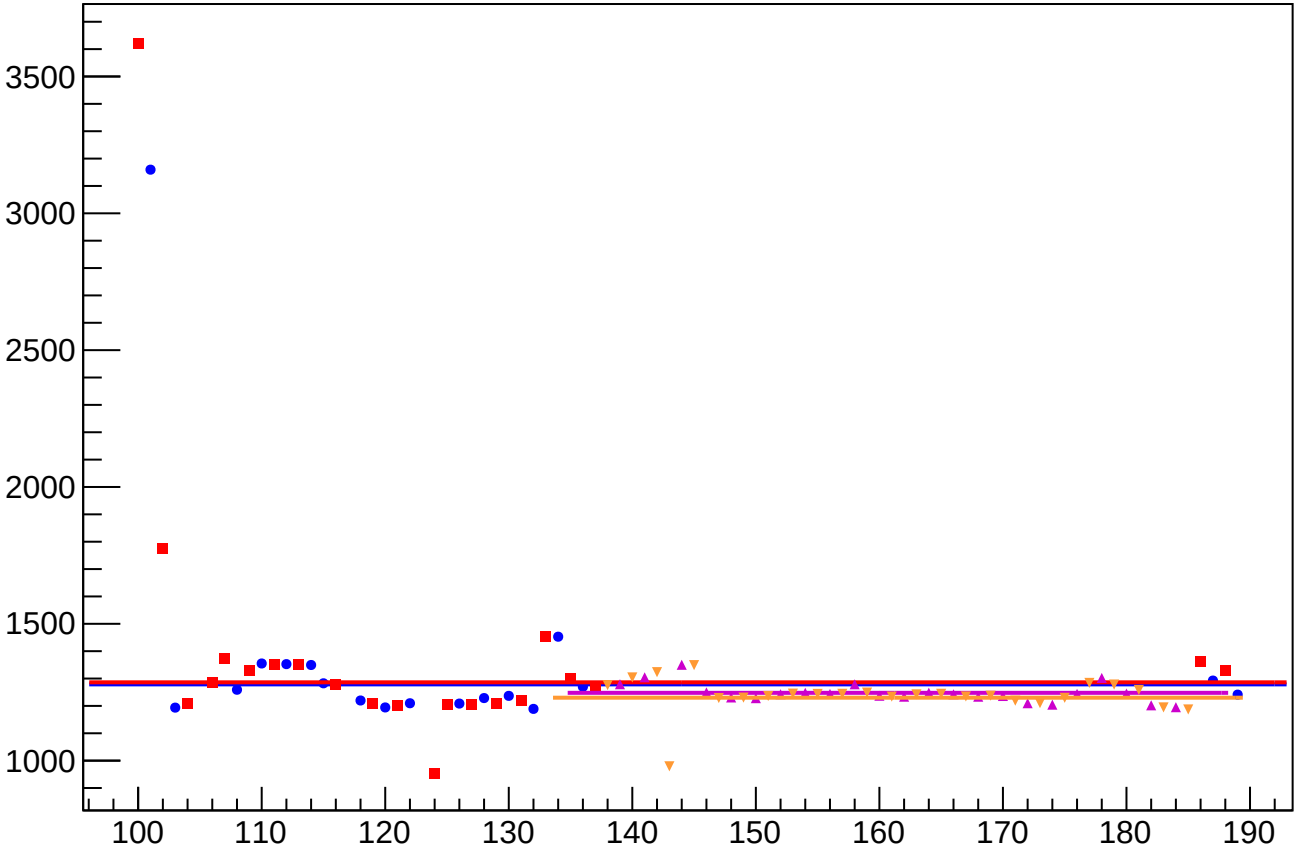
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -70.039+/-239.303 χ^2/NDF: 44.5/42

All: 49.891+/-170.506 χ^2/NDF: 78.2/86

- sign 173.561+/-243.005 χ^2/NDF: 33.2/43

dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1278.697+/-0.326 χ^2/NDF: 508149.9/17

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

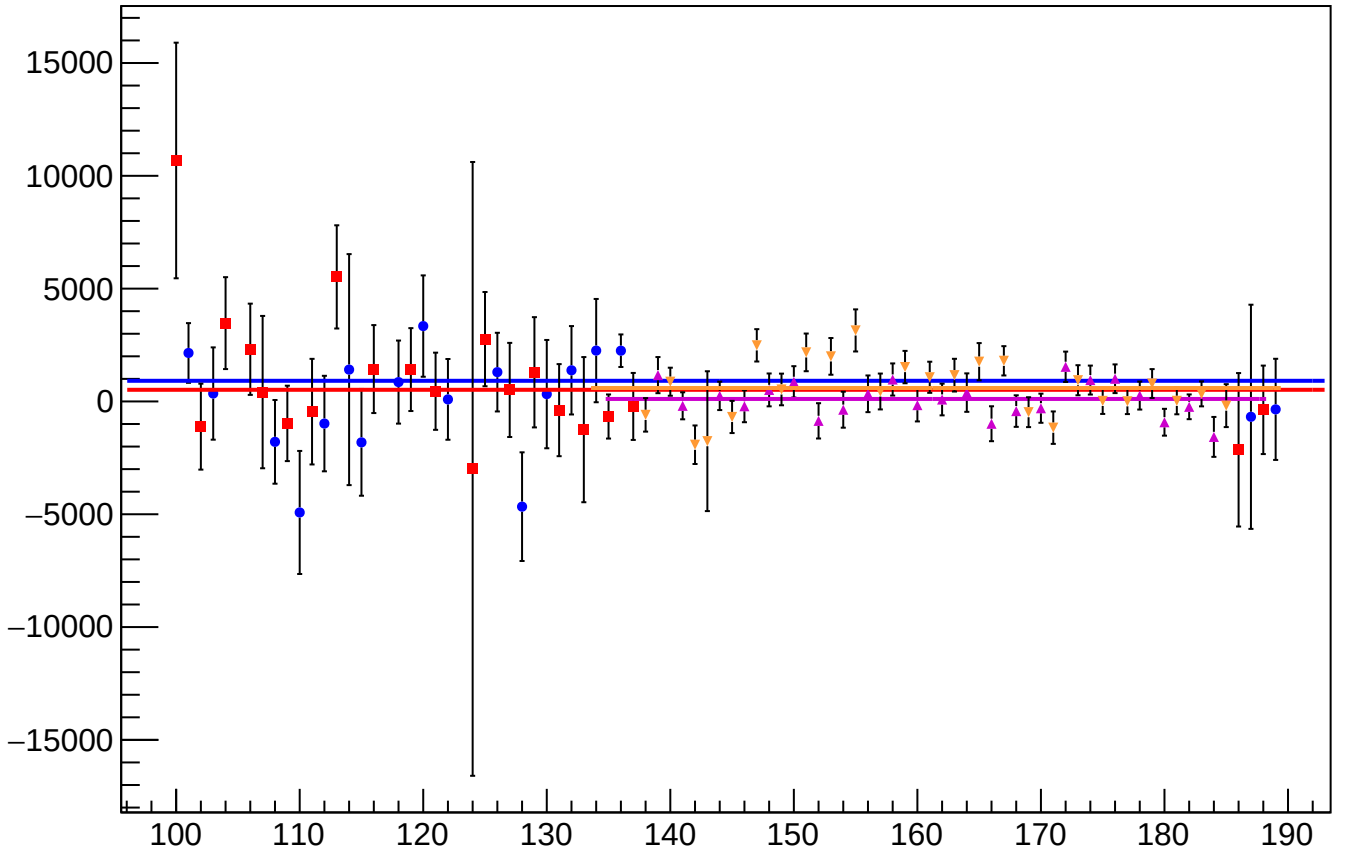
Right Out: 1286.171+/-0.311 χ^2/NDF: 225975.6/20

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

+ sign 1243.098+/-0.169 χ^2/NDF: 666058.9/42

All: 1251.167+/-0.121 χ^2/NDF: 934570.2/86

- sign 1259.487+/-0.172 χ^2/NDF: 263892.4/43



Right In: 915.040+/-416.297 χ^2/NDF: 20.9/17

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

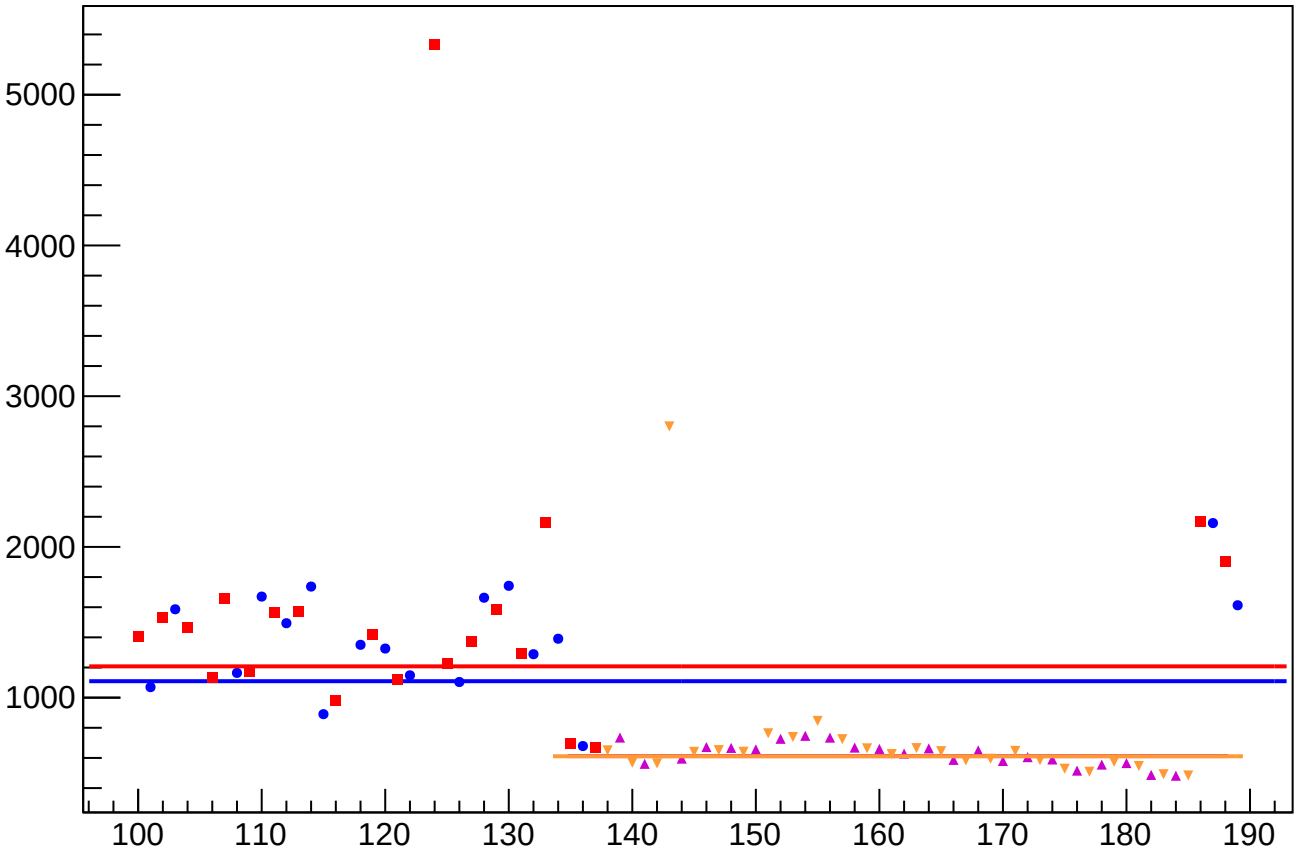
Right Out: 516.041+/-432.945 χ^2/NDF: 18.0/20

Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

+ sign 628.411+/-134.507 χ^2/NDF: 78.7/42

All: 393.703+/-95.925 χ^2/NDF: 129.4/86

- sign 150.789+/-136.839 χ^2/NDF: 44.5/43



Right In: 1109.155+/-0.294 χ^2/NDF: 1557785.6/17

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

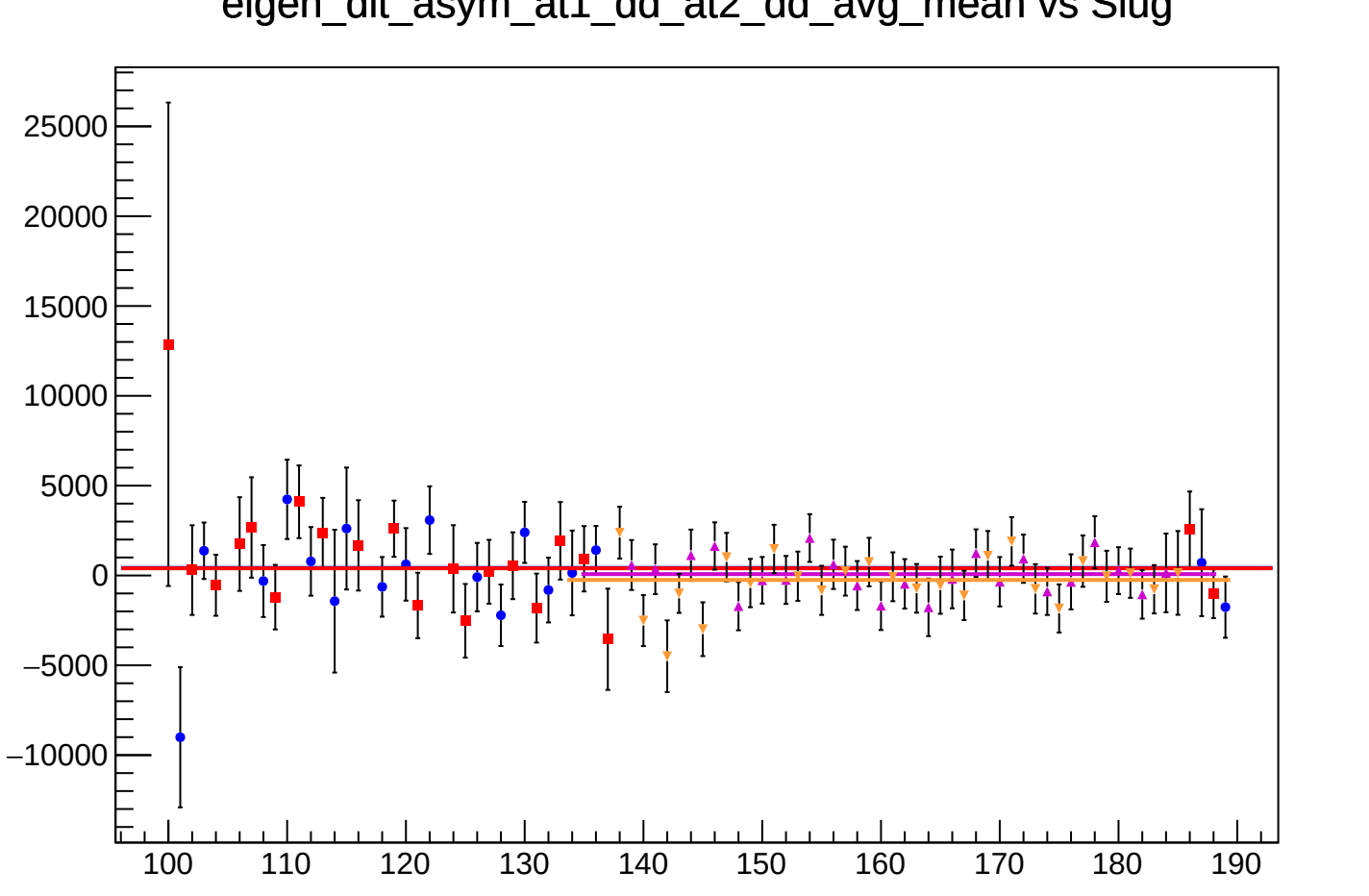
Right Out: 1207.580+/-0.306 χ^2/NDF: 1926728.6/20

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

+ sign 663.083+/-0.095 χ^2/NDF: 5741098.1/42

All: 667.394+/-0.068 χ^2/NDF: 11582755.9/86

- sign 671.856+/-0.097 χ^2/NDF: 5837477.2/43



Right In: 420.896+/-461.252 χ^2/NDF: 18.9/17

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: 398.577+/-440.118 χ^2/NDF: 18.8/20

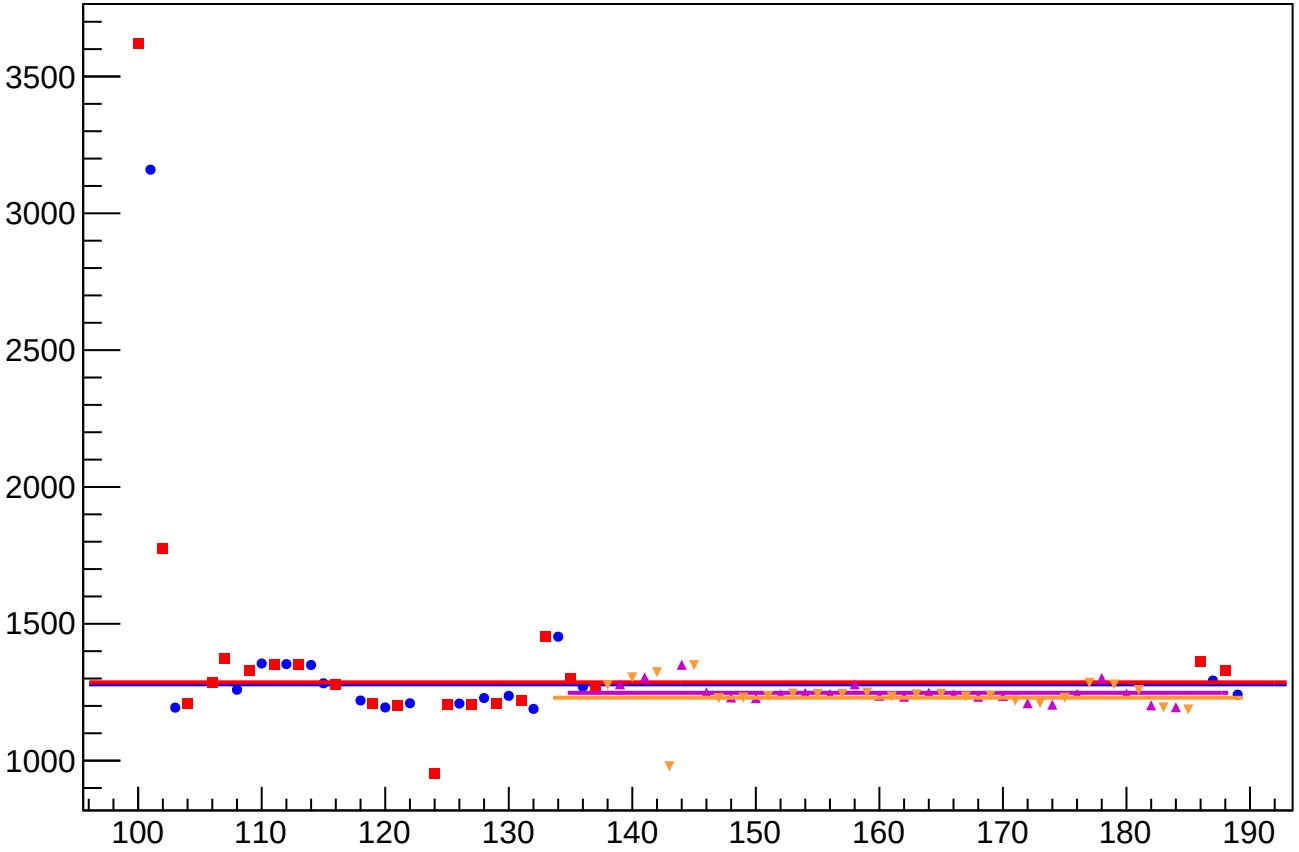
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -70.040+/-239.303 χ^2/NDF: 44.5/42

All: 49.891+/-170.506 χ^2/NDF: 78.2/86

- sign 173.561+/-243.005 χ^2/NDF: 33.2/43

eigen_dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1278.697+/-0.326 χ^2/NDF: 508150.0/17

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

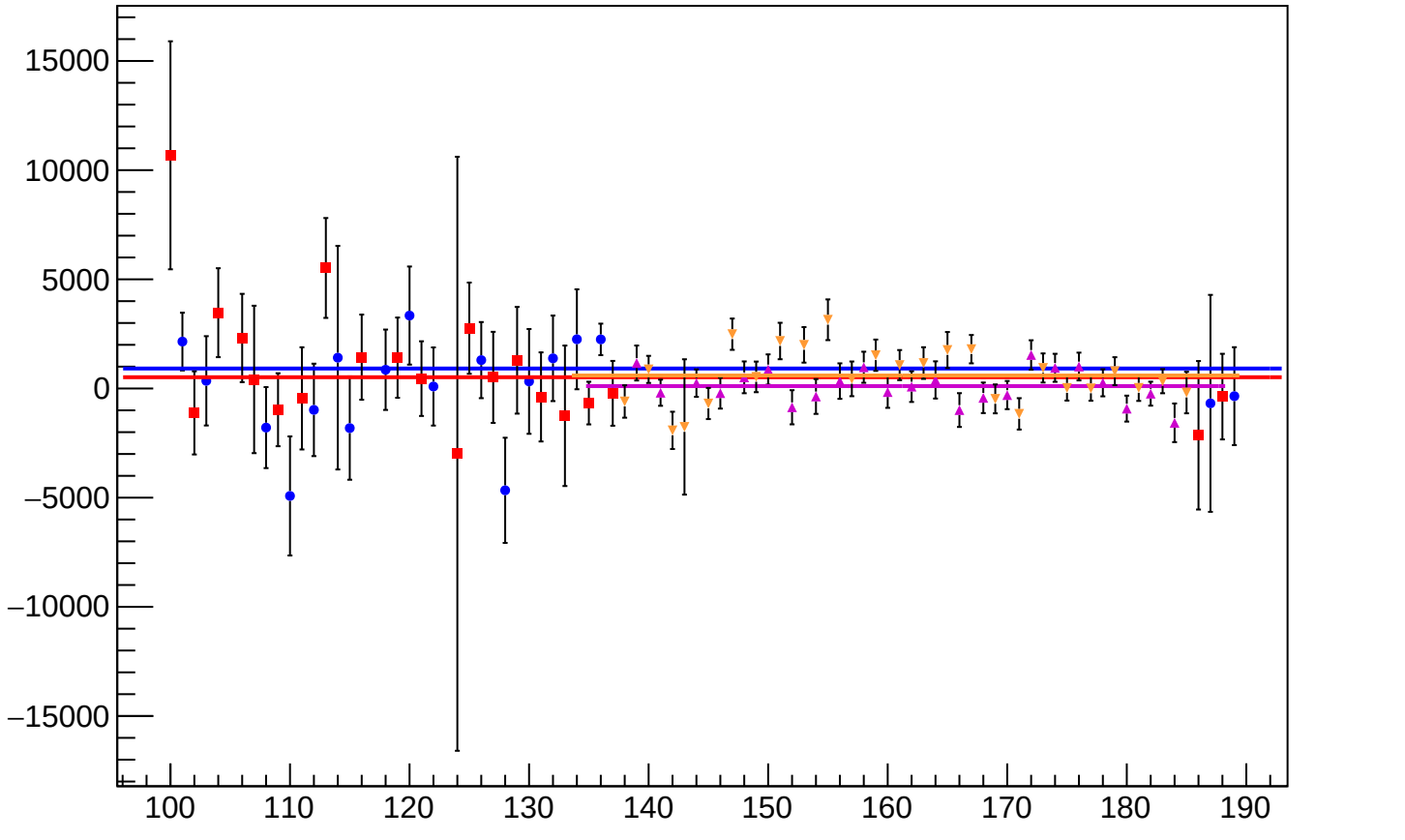
Right Out: 1286.171+/-0.311 χ^2/NDF: 225975.5/20

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1243.097+/-0.169 χ^2/NDF: 666058.1/42

All: 1251.167+/-0.121 χ^2/NDF: 934569.3/86

- sign 1259.487+/-0.172 χ^2/NDF: 263892.3/43



Right In: 915.035+/-416.299 χ^2/NDF: 20.9/17

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

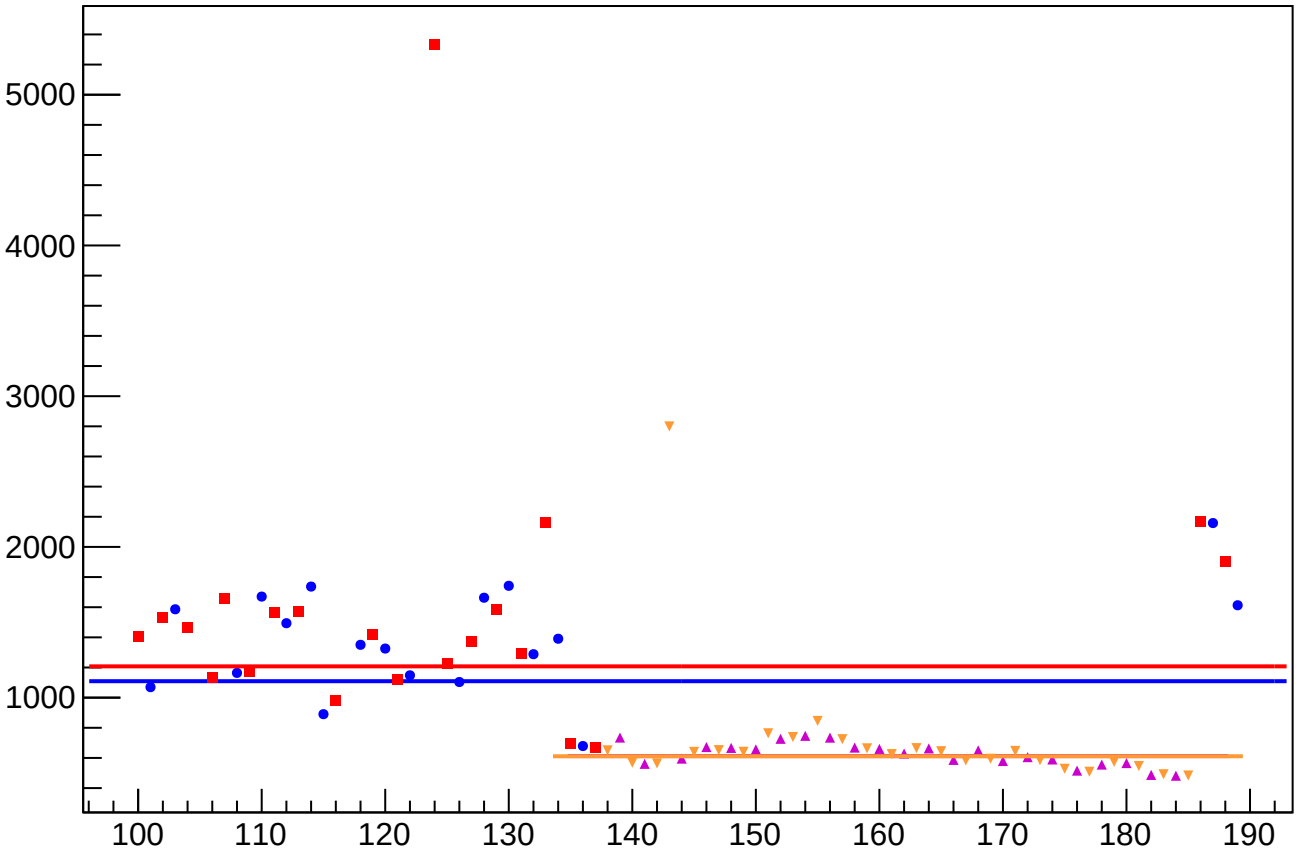
Right Out: 516.050+/-432.947 χ^2/NDF: 18.0/20

Left In: 110.251+/-144.232 χ^2/NDF:25.7/22

+ sign 628.410+/-134.507 χ^2/NDF: 78.7/42

All: 393.703+/-95.925 χ^2/NDF: 129.4/86

- sign 150.789+/-136.839 χ^2/NDF: 44.5/43



Right In: 1109.161+/-0.294 χ^2/NDF: 1557725.6/17

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1207.587+/-0.306 χ^2/NDF: 1926671.4/20

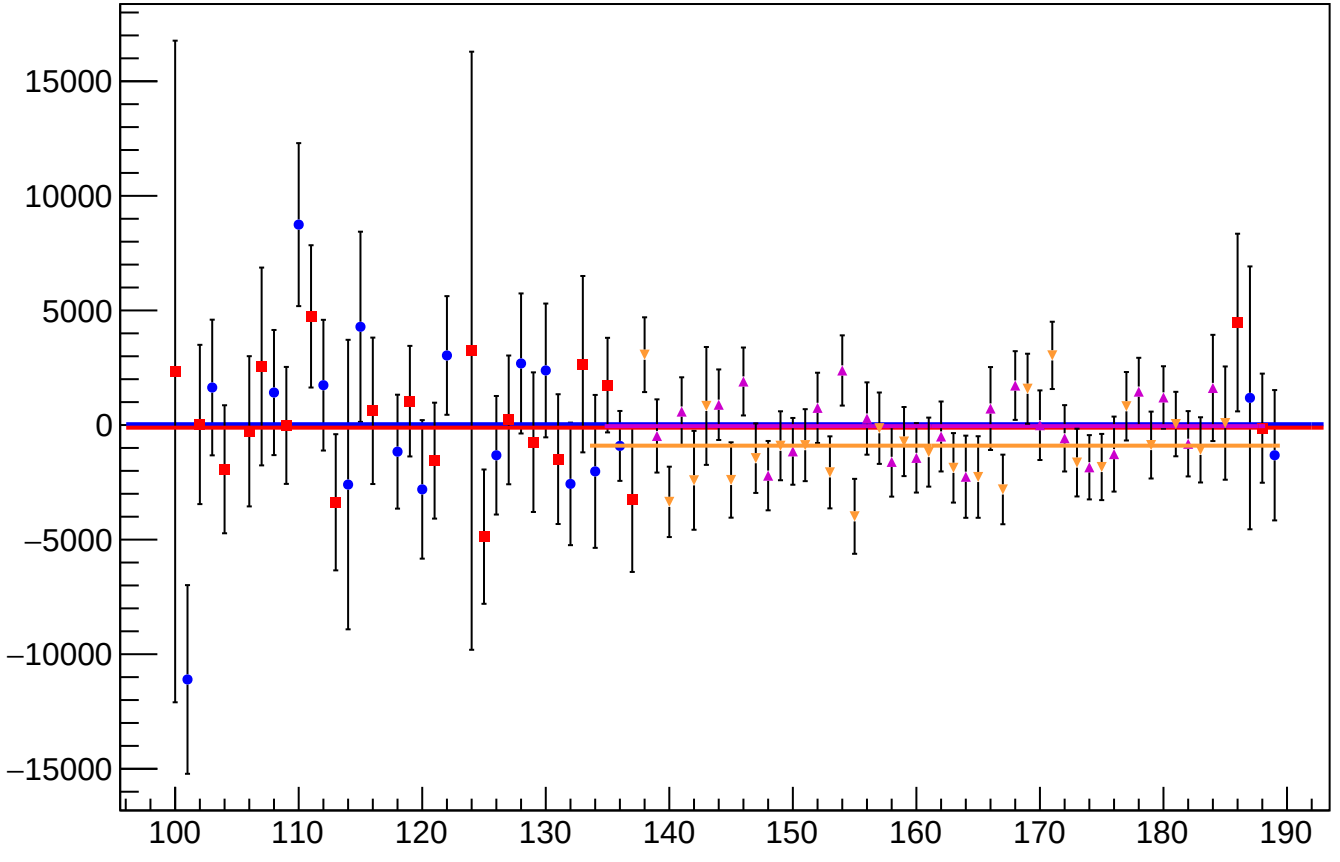
Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

+ sign 663.083+/-0.095 χ^2/NDF: 5741086.7/42

All: 667.394+/-0.068 χ^2/NDF: 11582756.1/86

- sign 671.855+/-0.097 χ^2/NDF: 5837489.2/43

asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 35.709+/-674.071 χ^2/NDF: 21.6/17

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: -115.197+/-661.481 χ^2/NDF: 11.8/20

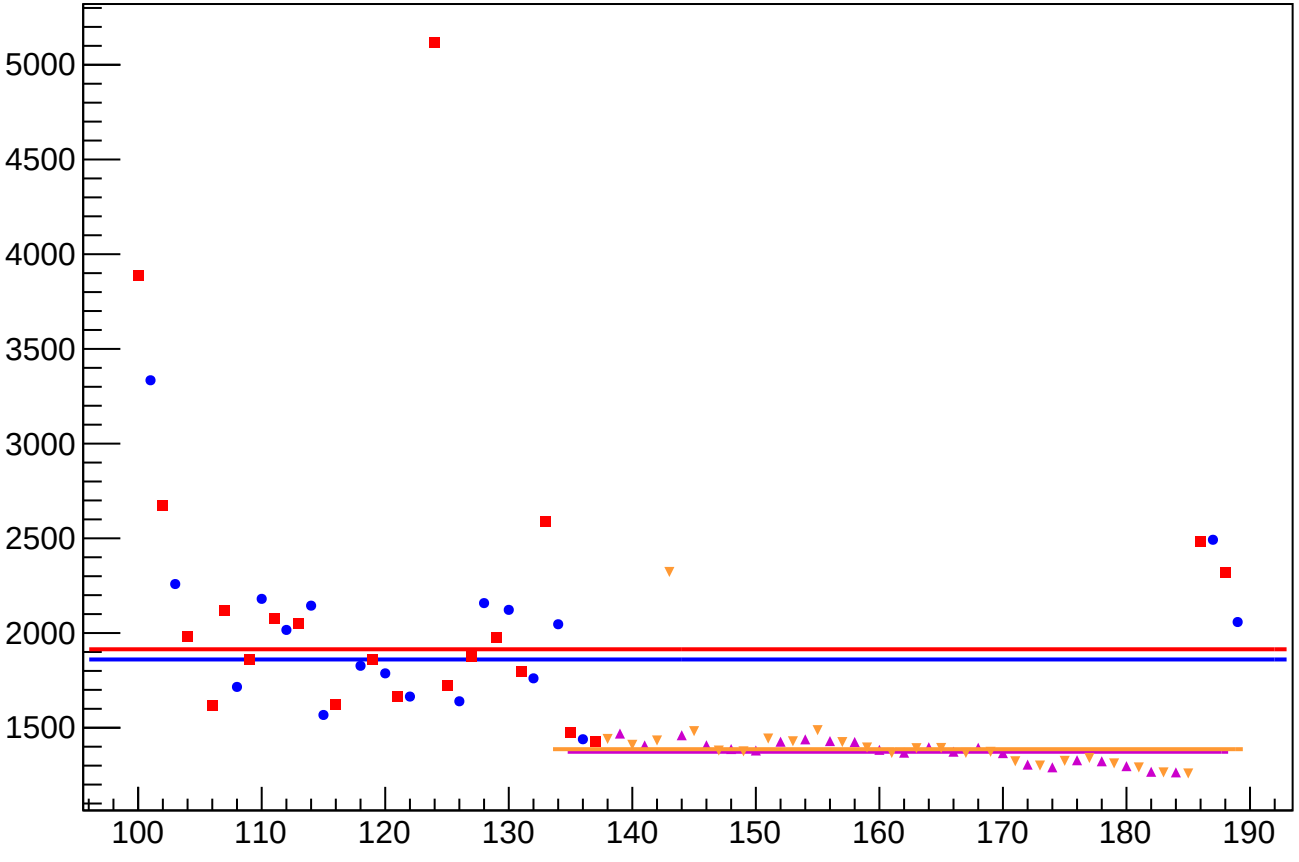
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

+ sign -730.933+/-286.453 χ^2/NDF: 53.0/42

All: -398.604+/-203.357 χ^2/NDF: 85.3/86

- sign -60.947+/-288.740 χ^2/NDF: 29.7/43

asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1860.446+/-0.477 χ^2/NDF: 592536.1/17

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

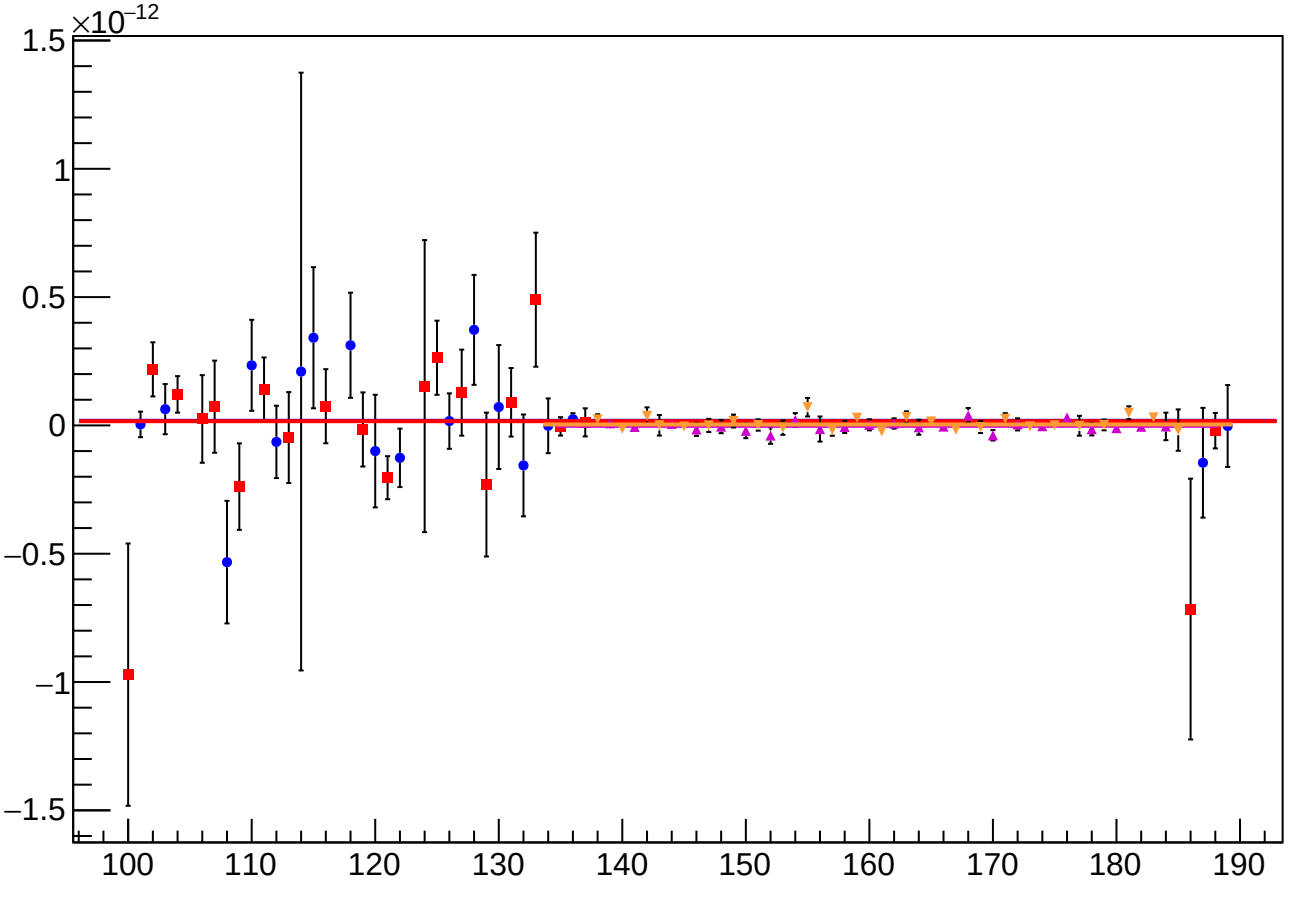
Right Out: 1914.283+/-0.468 χ^2/NDF: 634746.0/20

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1472.373+/-0.203 χ^2/NDF: 1741325.4/42

All: 1474.327+/-0.144 χ^2/NDF: 3523909.4/86

- sign 1476.312+/-0.204 χ^2/NDF: 1782396.5/43



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

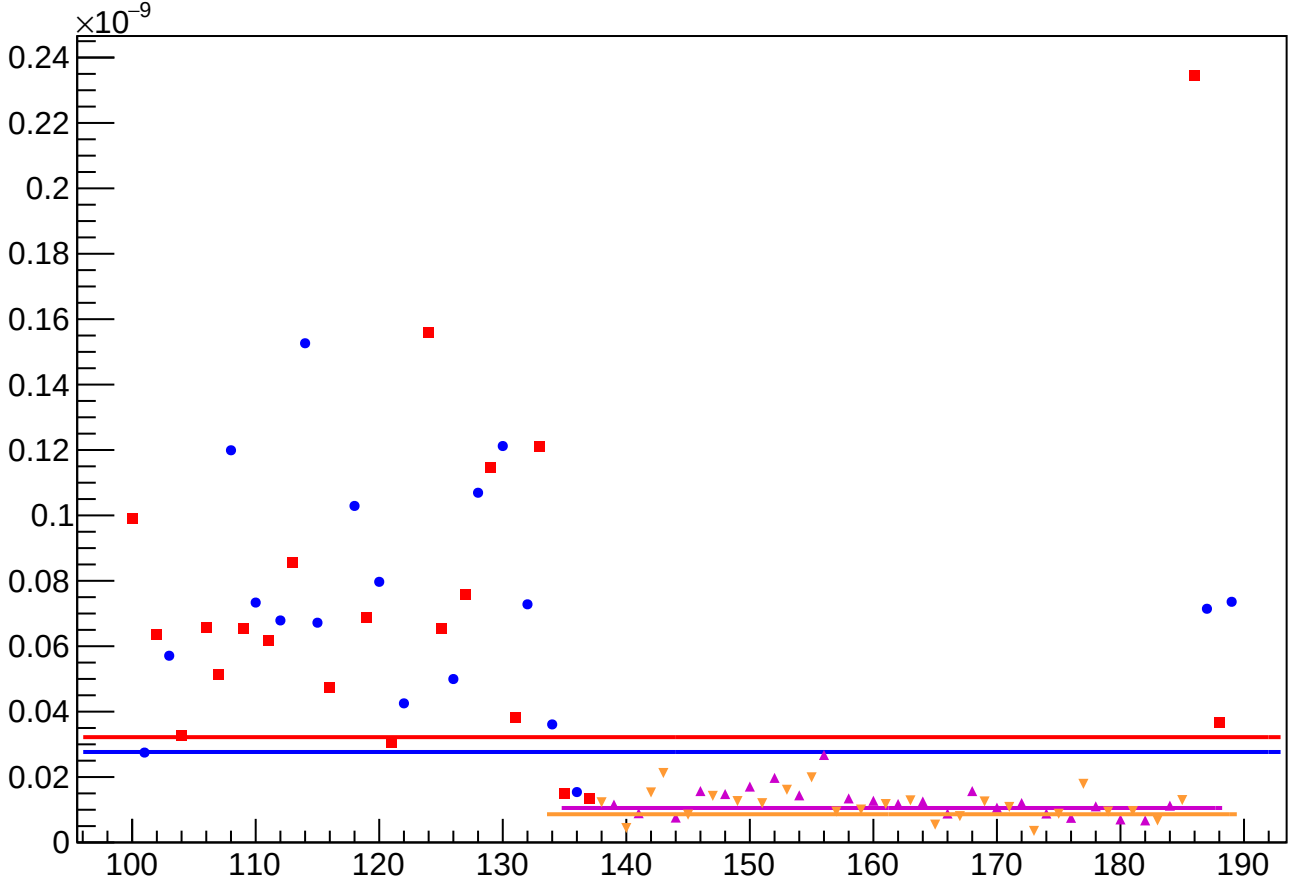
Right Out: 0.000+/-0.000 χ^2/NDF: 30.6/20

Left In: -0.000+/-0.000 χ^2/NDF:13.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 42.4/42

All: 0.000+/-0.000 χ^2/NDF: 88.0/86

- sign -0.000+/-0.000 χ^2/NDF: 44.8/43



Right In: 0.000+/-0.000 χ^2/NDF: 2835767.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

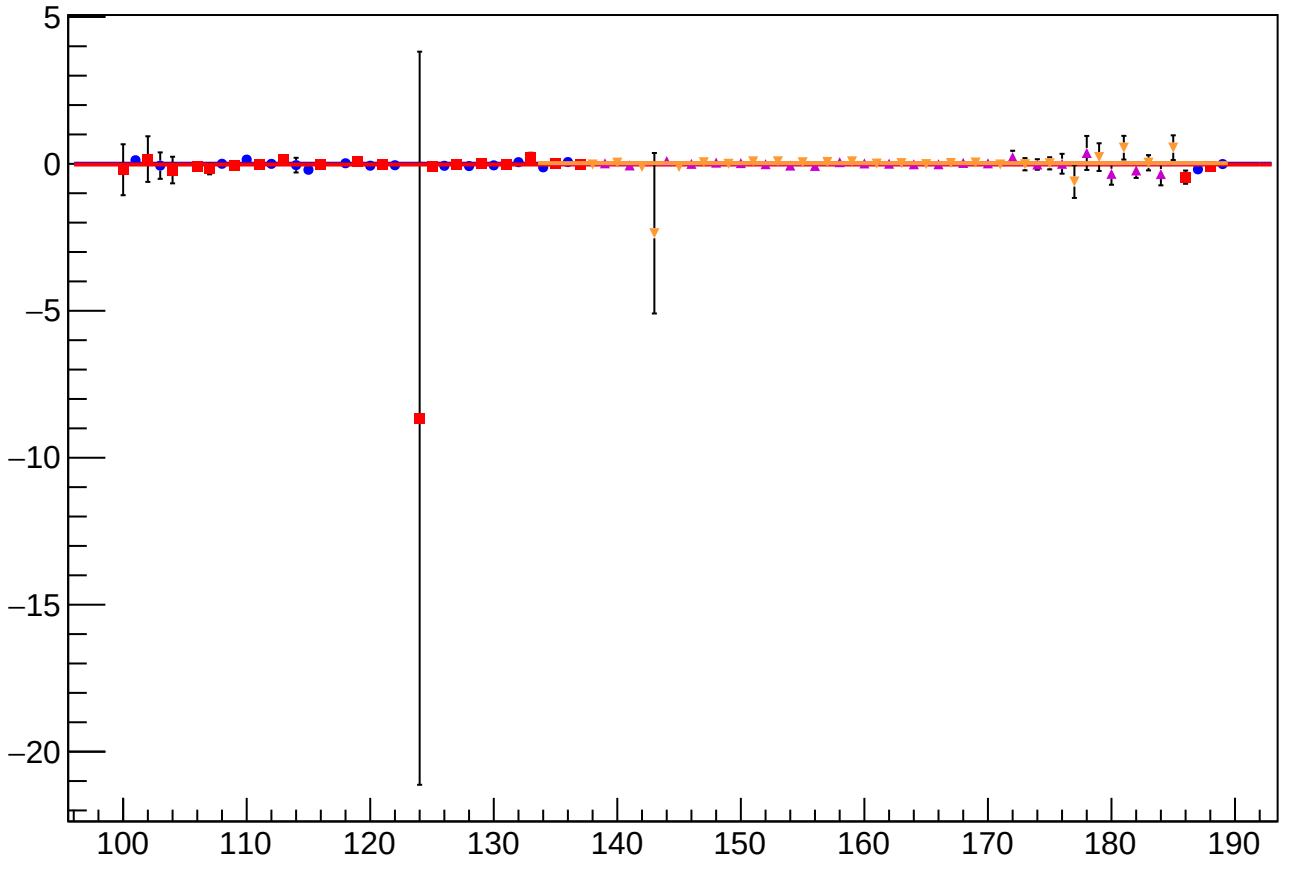
Right Out: 0.000+/-0.000 χ^2/NDF: 2603701.0/20

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 6993745.0/42

All: 0.000+/-0.000 χ^2/NDF: 13088021.8/86

- sign 0.000+/-0.000 χ^2/NDF: 5838178.8/43



Right In: 0.004+/-0.015 χ^2/NDF: 21.6/17

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.023+/-0.015 χ^2/NDF: 18.2/20

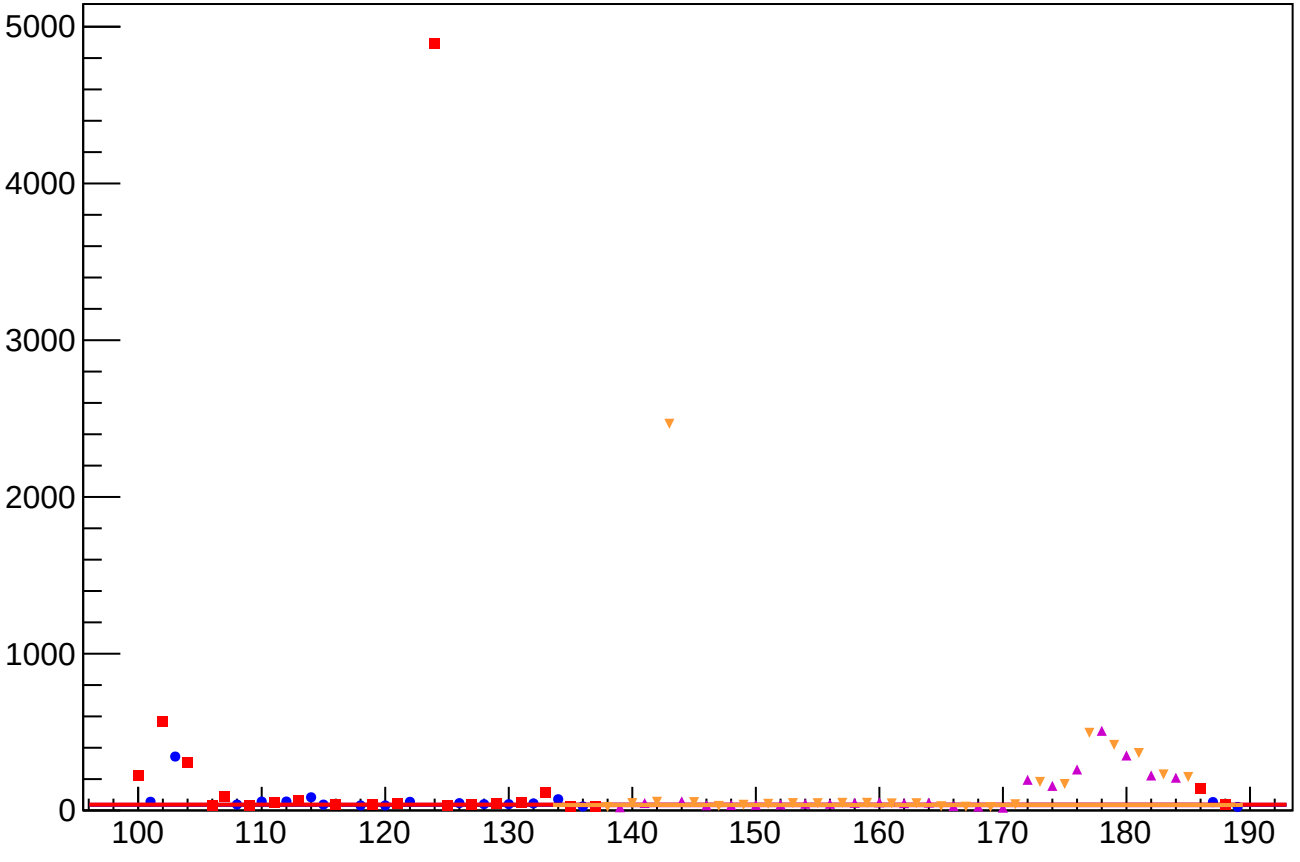
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.017+/-0.008 χ^2/NDF: 45.7/42

All: 0.008+/-0.006 χ^2/NDF: 84.1/86

- sign -0.000+/-0.008 χ^2/NDF: 36.3/43

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 35.758+/-0.011 χ^2/NDF: 2253352.4/17

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

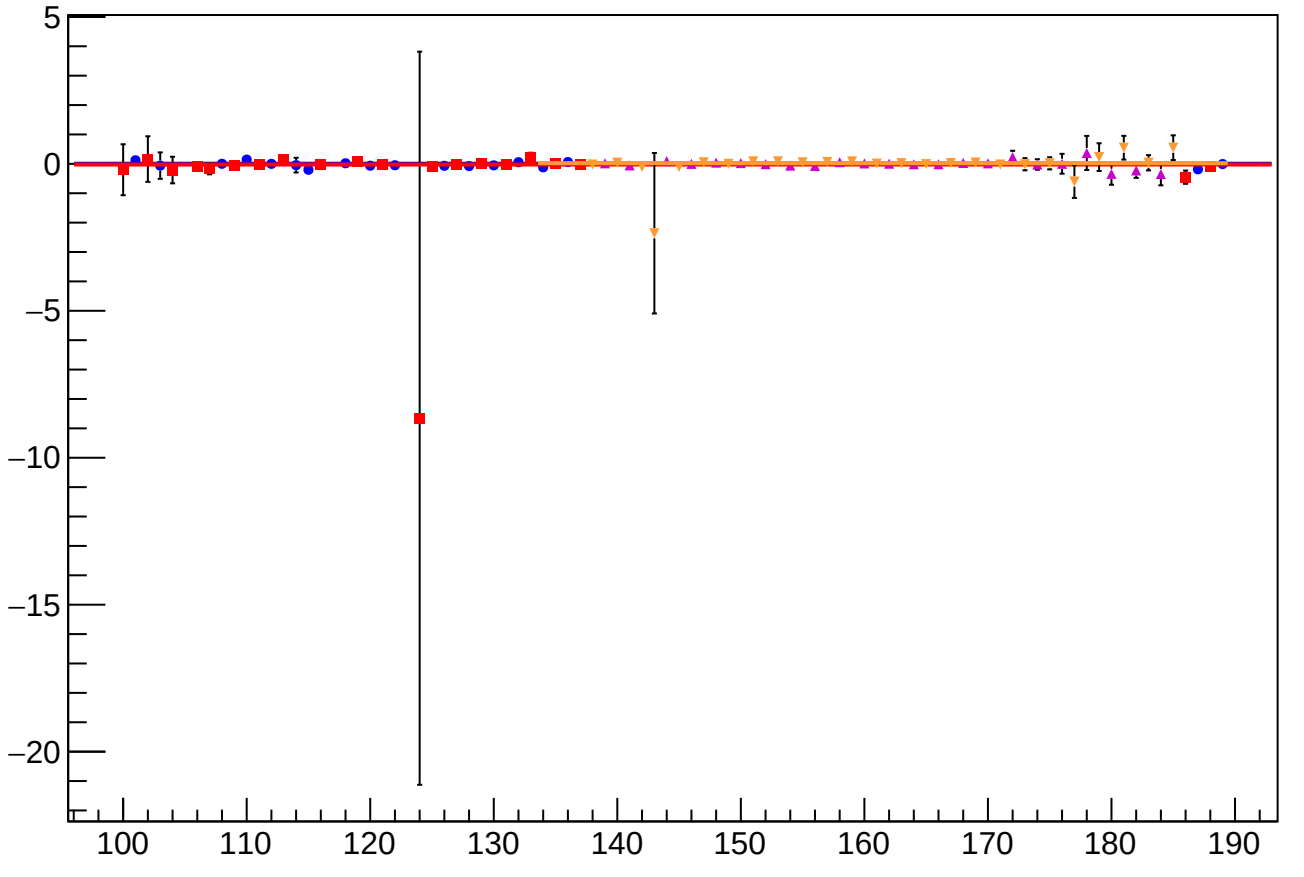
Right Out: 37.179+/-0.011 χ^2/NDF: 3633130.8/20

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 34.986+/-0.006 χ^2/NDF: 13663706.3/42

All: 34.818+/-0.004 χ^2/NDF: 27442868.8/86

- sign 34.653+/-0.006 χ^2/NDF: 13777574.2/43



Right In: 0.004+/-0.015 χ^2/NDF: 21.6/17

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

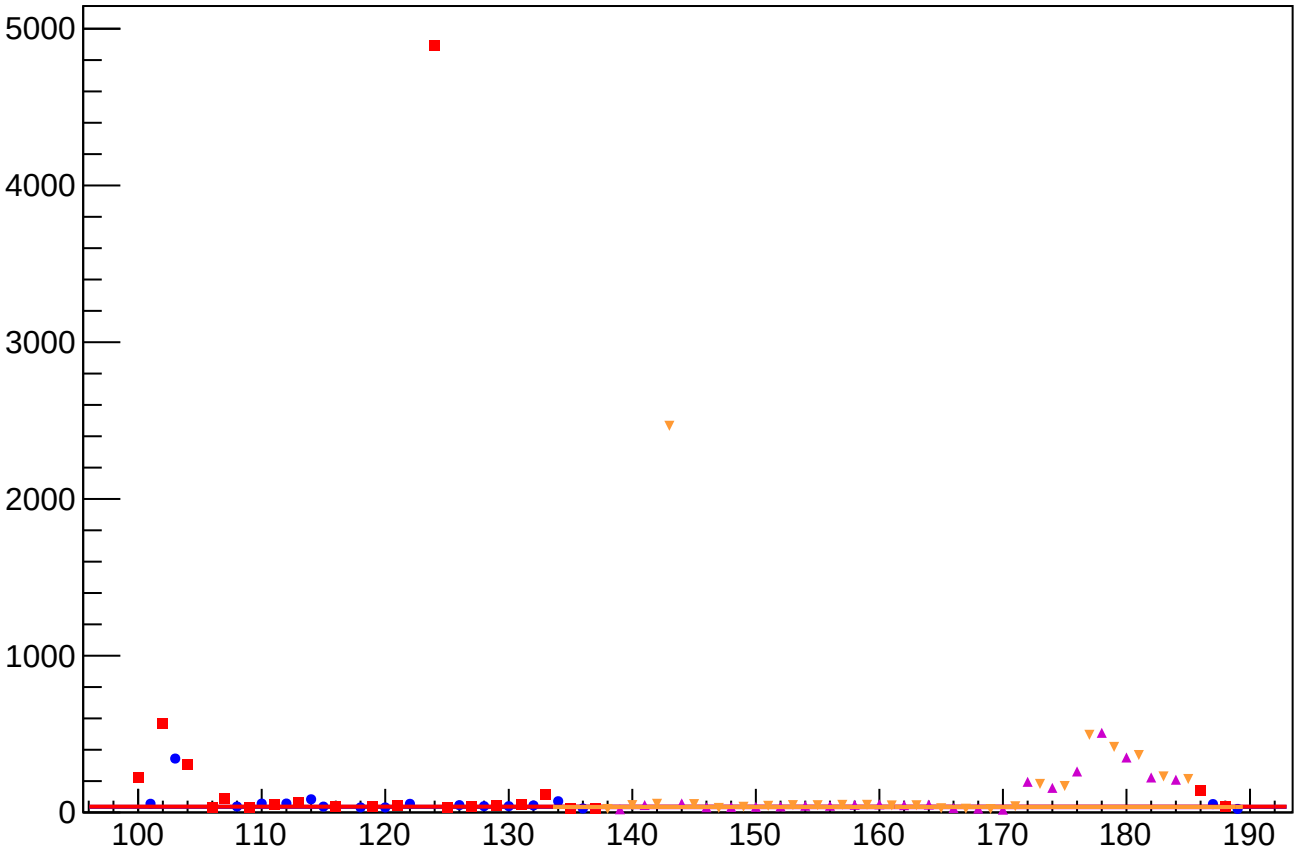
Right Out: -0.023+/-0.015 χ^2/NDF: 18.2/20

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.017+/-0.008 χ^2/NDF: 45.7/42

All: 0.008+/-0.006 χ^2/NDF: 84.1/86

- sign -0.000+/-0.008 χ^2/NDF: 36.3/43



Right In: 35.758+/-0.011 χ^2/NDF: 2253352.4/17

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

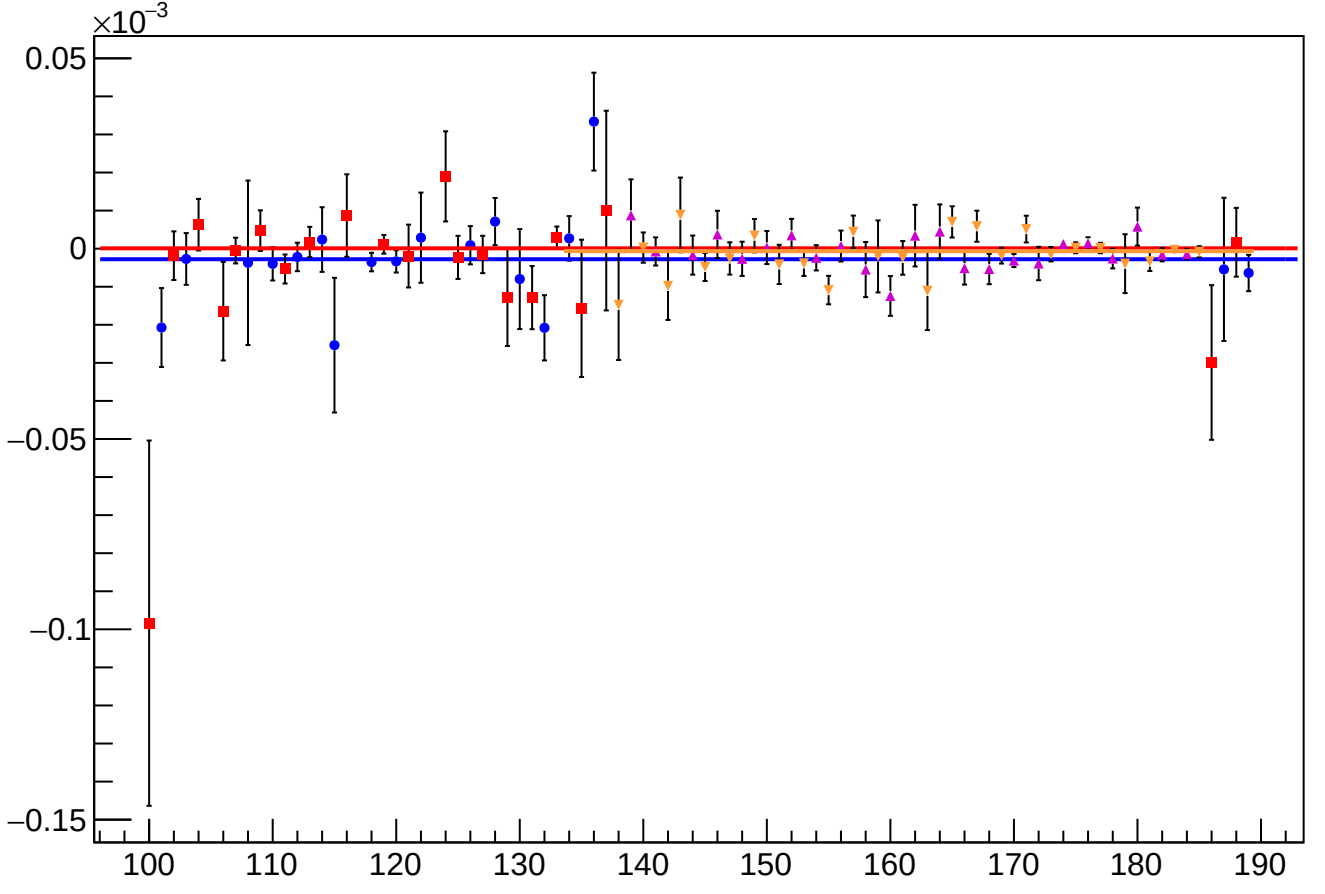
Right Out: 37.179+/-0.011 χ^2/NDF: 3633130.8/20

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

\+ sign 34.986+/-0.006 χ^2/NDF: 13663706.3/42

All: 34.818+/-0.004 χ^2/NDF: 27442868.8/86

\- sign 34.653+/-0.006 χ^2/NDF: 13777574.2/43



Right In: -0.000+/-0.000 χ^2/NDF: 22.5/17

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

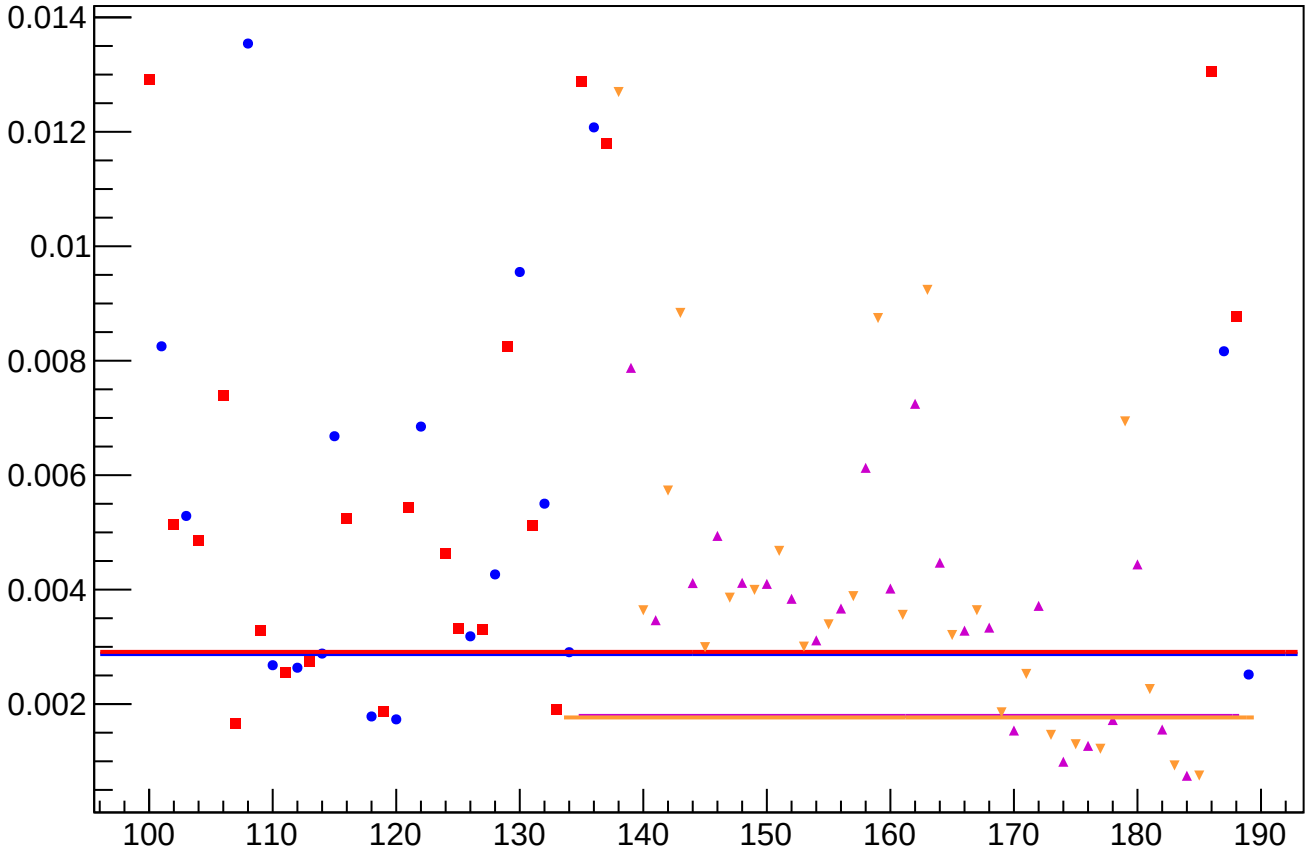
Right Out: 0.000+/-0.000 χ^2/NDF: 21.1/20

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 53.4/42

All: -0.000+/-0.000 χ^2/NDF: 97.1/86

- sign -0.000+/-0.000 χ^2/NDF: 43.3/43



Right In: 0.003+/-0.000 χ^2/NDF: 4321613.8/17

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

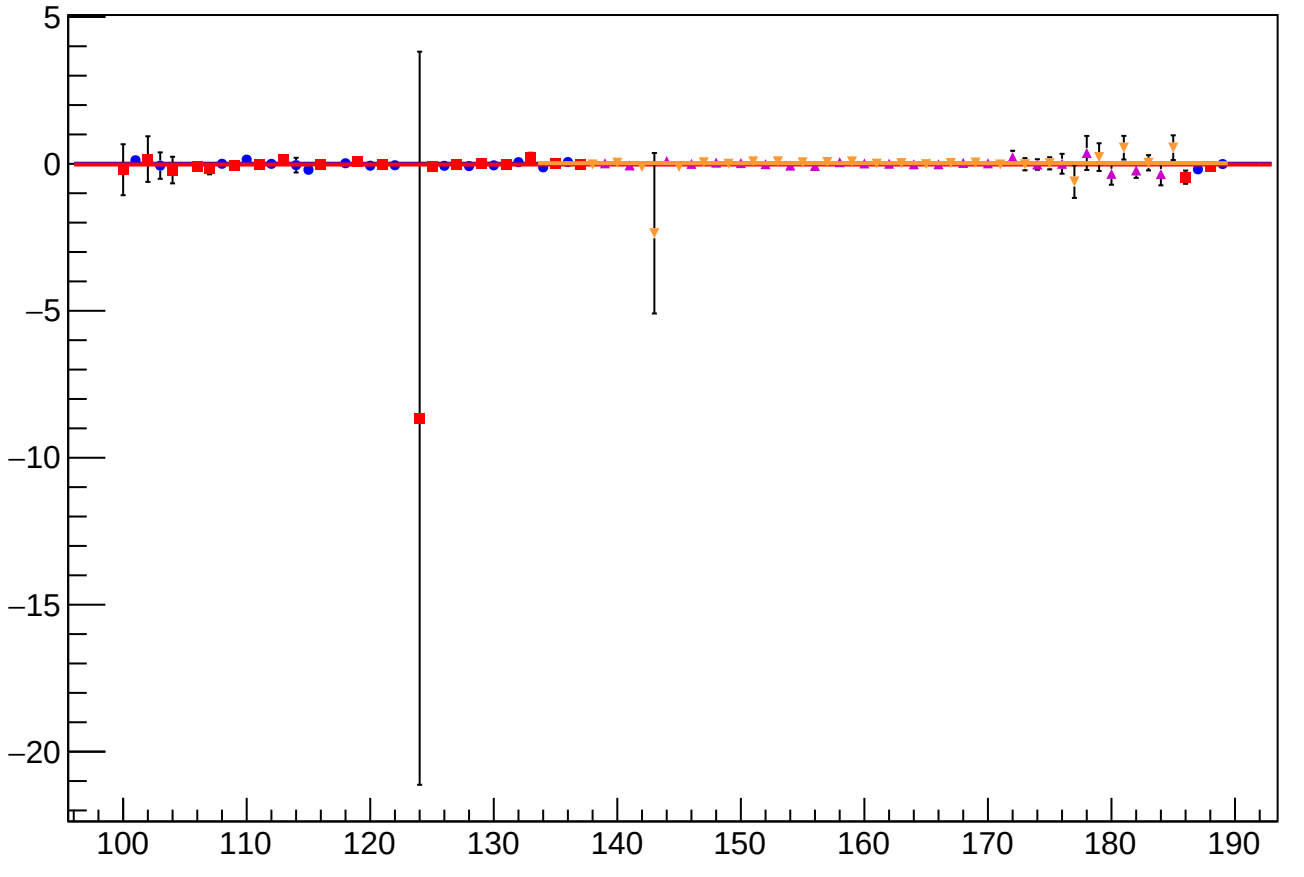
Right Out: 0.003+/-0.000 χ^2/NDF: 4675260.3/20

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

+ sign 0.002+/-0.000 χ^2/NDF: 18579898.9/42

All: 0.002+/-0.000 χ^2/NDF: 35563622.8/86

- sign 0.002+/-0.000 χ^2/NDF: 16962380.0/43



Right In: 0.004+/-0.015 χ^2/NDF: 21.6/17

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.023+/-0.015 χ^2/NDF: 18.2/20

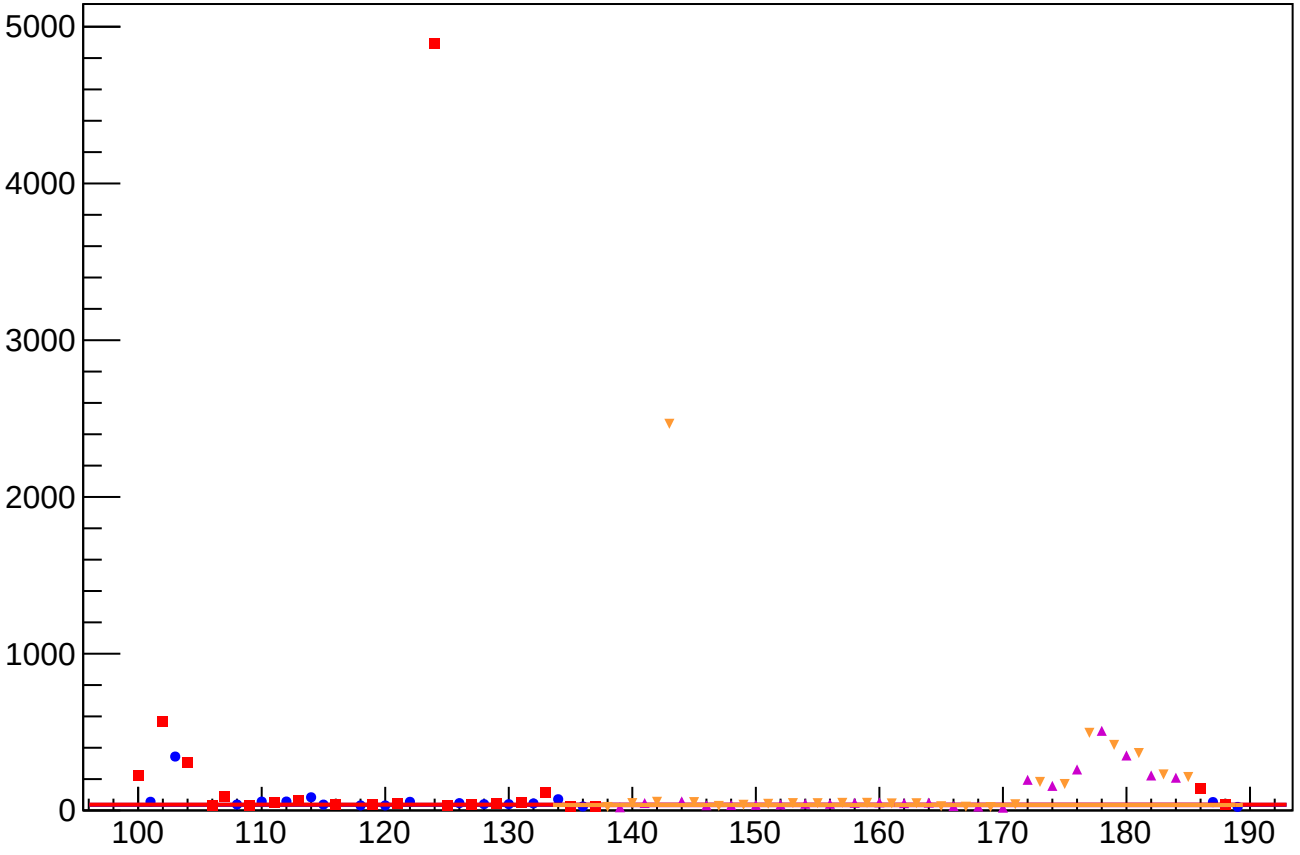
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.017+/-0.008 χ^2/NDF: 45.7/42

All: 0.008+/-0.006 χ^2/NDF: 84.1/86

- sign -0.000+/-0.008 χ^2/NDF: 36.3/43

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 35.762+/-0.011 χ^2/NDF: 2252643.7/17

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

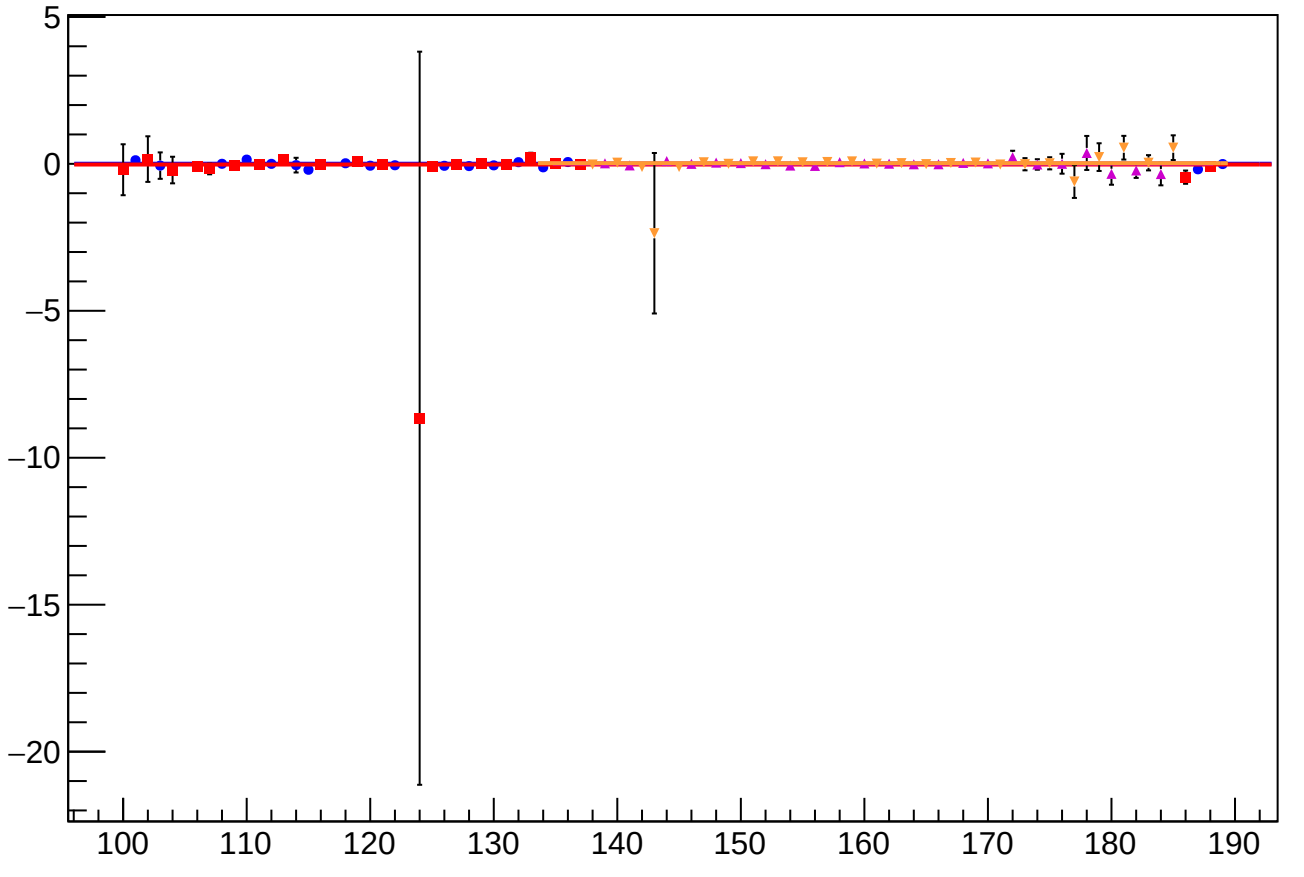
Right Out: 37.181+/-0.011 χ^2/NDF: 3632824.0/20

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 34.987+/-0.006 χ^2/NDF: 13663180.8/42

All: 34.819+/-0.004 χ^2/NDF: 27440731.6/86

- sign 34.655+/-0.006 χ^2/NDF: 13775978.0/43



Right In: 0.004+/-0.015 χ^2/NDF: 21.6/17

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

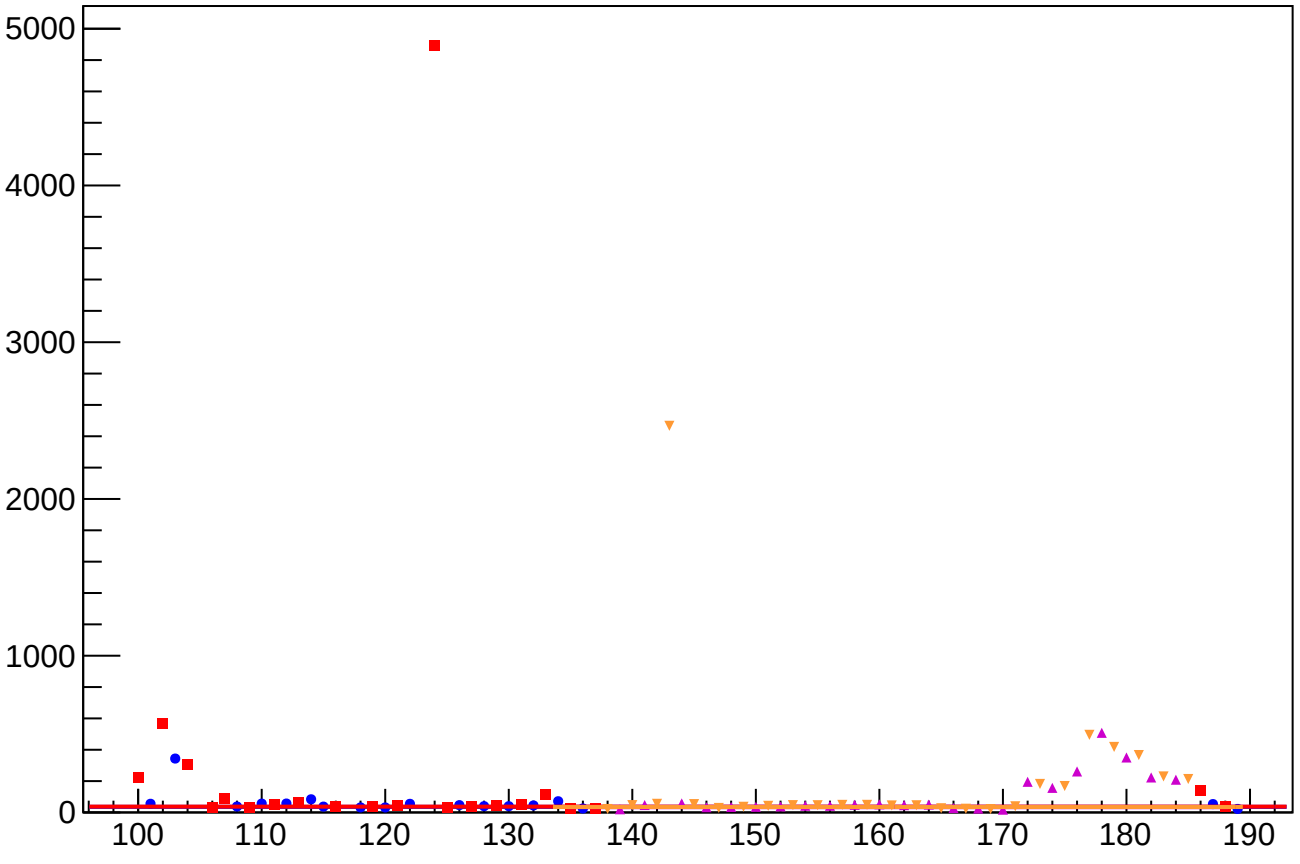
Right Out: -0.023+/-0.015 χ^2/NDF: 18.2/20

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.017+/-0.008 χ^2/NDF: 45.7/42

All: 0.008+/-0.006 χ^2/NDF: 84.1/86

- sign -0.000+/-0.008 χ^2/NDF: 36.3/43



Right In: 35.762+/-0.011 χ^2/NDF: 2252643.7/17

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

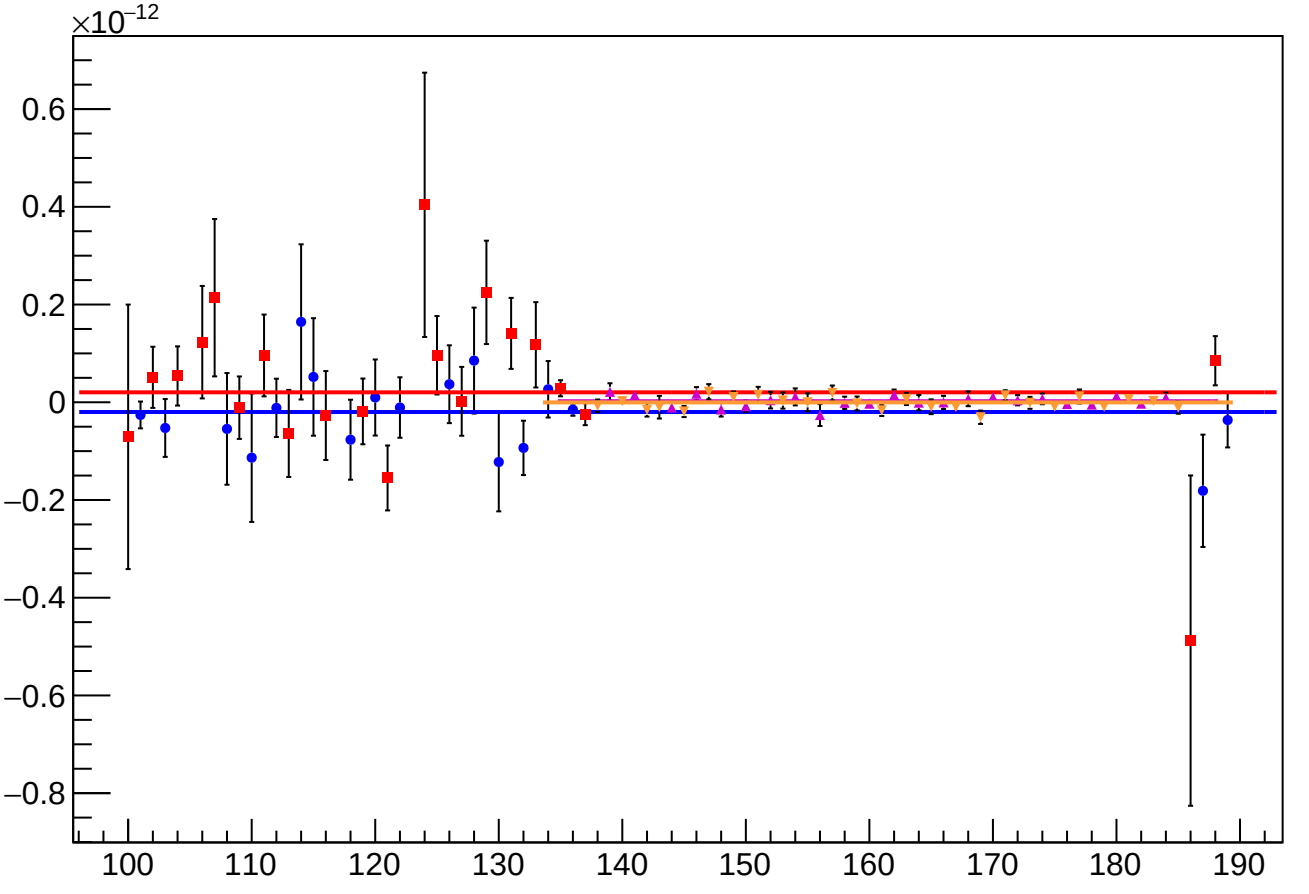
Right Out: 37.181+/-0.011 χ^2/NDF: 3632824.0/20

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

\+ sign 34.987+/-0.006 χ^2/NDF: 13663180.8/42

All: 34.819+/-0.004 χ^2/NDF: 27440731.6/86

\- sign 34.655+/-0.006 χ^2/NDF: 13775978.0/43



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/17

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

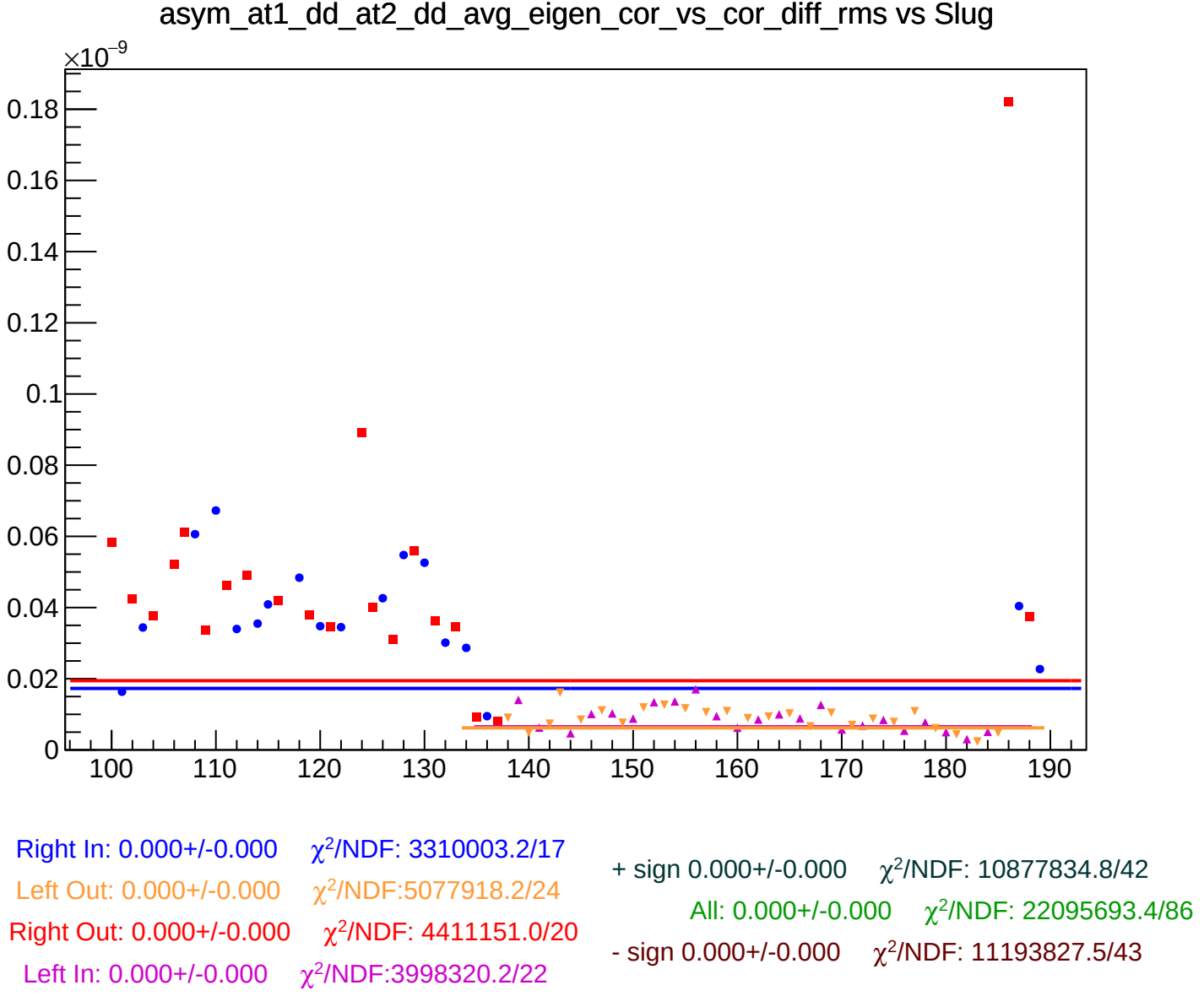
Right Out: 0.000+/-0.000 χ^2/NDF: 31.2/20

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

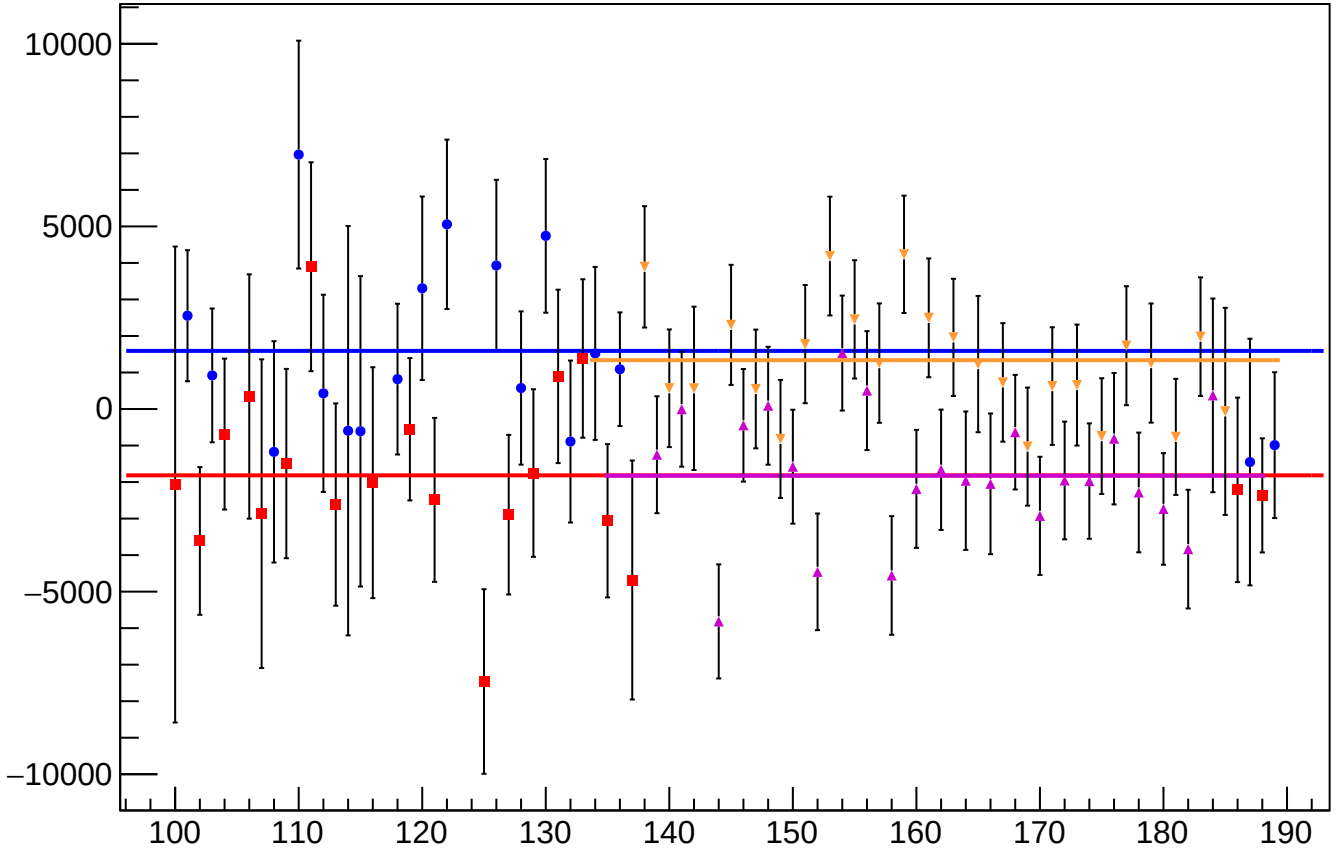
+ sign -0.000+/-0.000 χ^2/NDF: 40.4/42

All: 0.000+/-0.000 χ^2/NDF: 96.2/86

- sign 0.000+/-0.000 χ^2/NDF: 54.0/43


asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3310003.2/17
Left Out: 0.000+/-0.000 χ²/NDF:5077918.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 4411151.0/20
Left In: 0.000+/-0.000 χ²/NDF:3998320.2/22
+ sign 0.000+/-0.000 χ²/NDF: 10877834.8/42
All: 0.000+/-0.000 χ²/NDF: 22095693.4/86
- sign 0.000+/-0.000 χ²/NDF: 11193827.5/43

reg_asym_usl_atl1_avg_mean vs Slug



Right In: 1591.880+/-542.926 χ^2/NDF: 15.0/17

Left Out: 1337.008+/-341.012 χ^2/NDF:19.2/23

Right Out: -1815.804+/-538.850 χ^2/NDF: 16.1/19

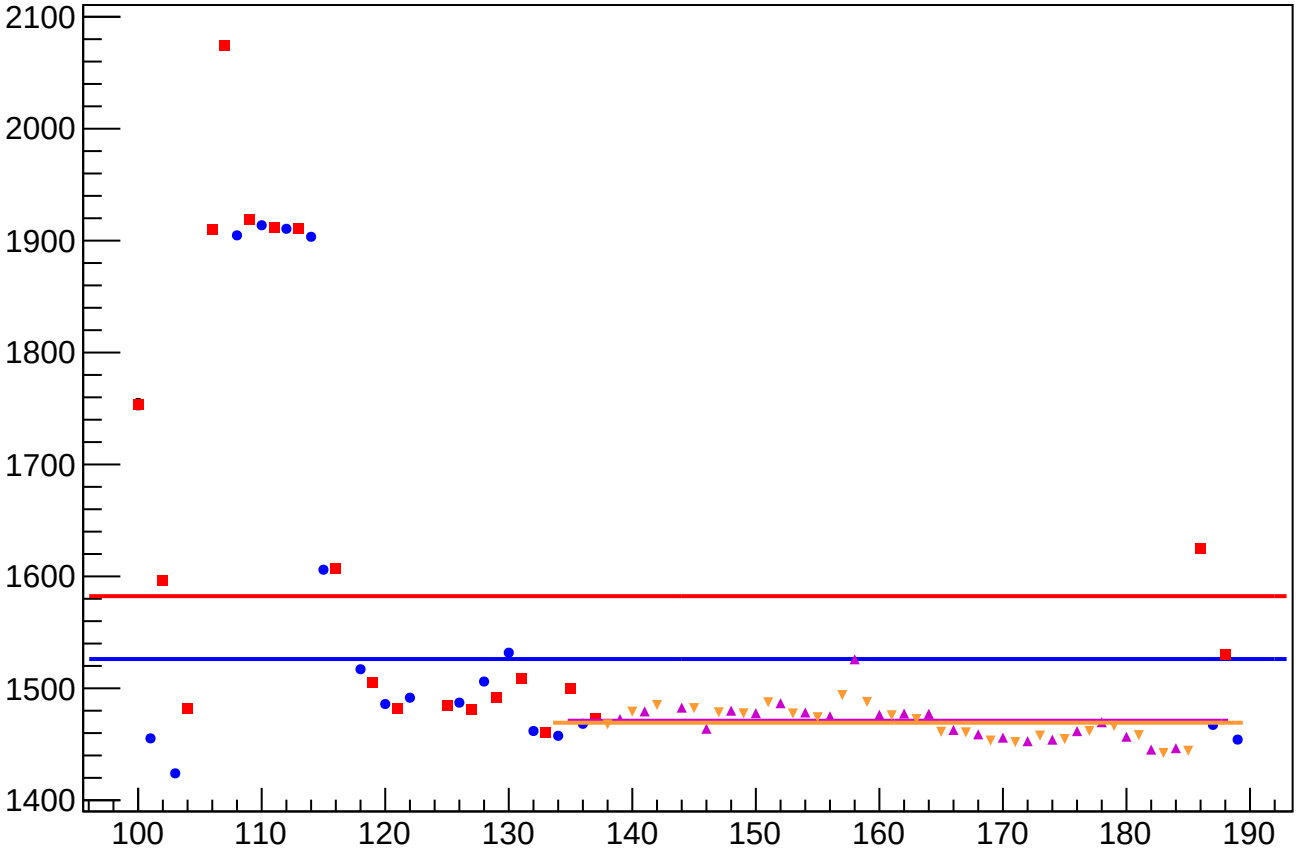
Left In: -1826.599+/-343.483 χ^2/NDF:26.5/22

+ sign 1409.112+/-288.775 χ^2/NDF: 34.3/41

All: -202.335+/-204.501 χ^2/NDF: 139.4/84

- sign -1823.480+/-289.642 χ^2/NDF: 42.6/42

reg_asym_usl_atl1_avg_rms vs Slug



Right In: 1526.164+/-0.384 χ^2/NDF: 132833.4/17

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

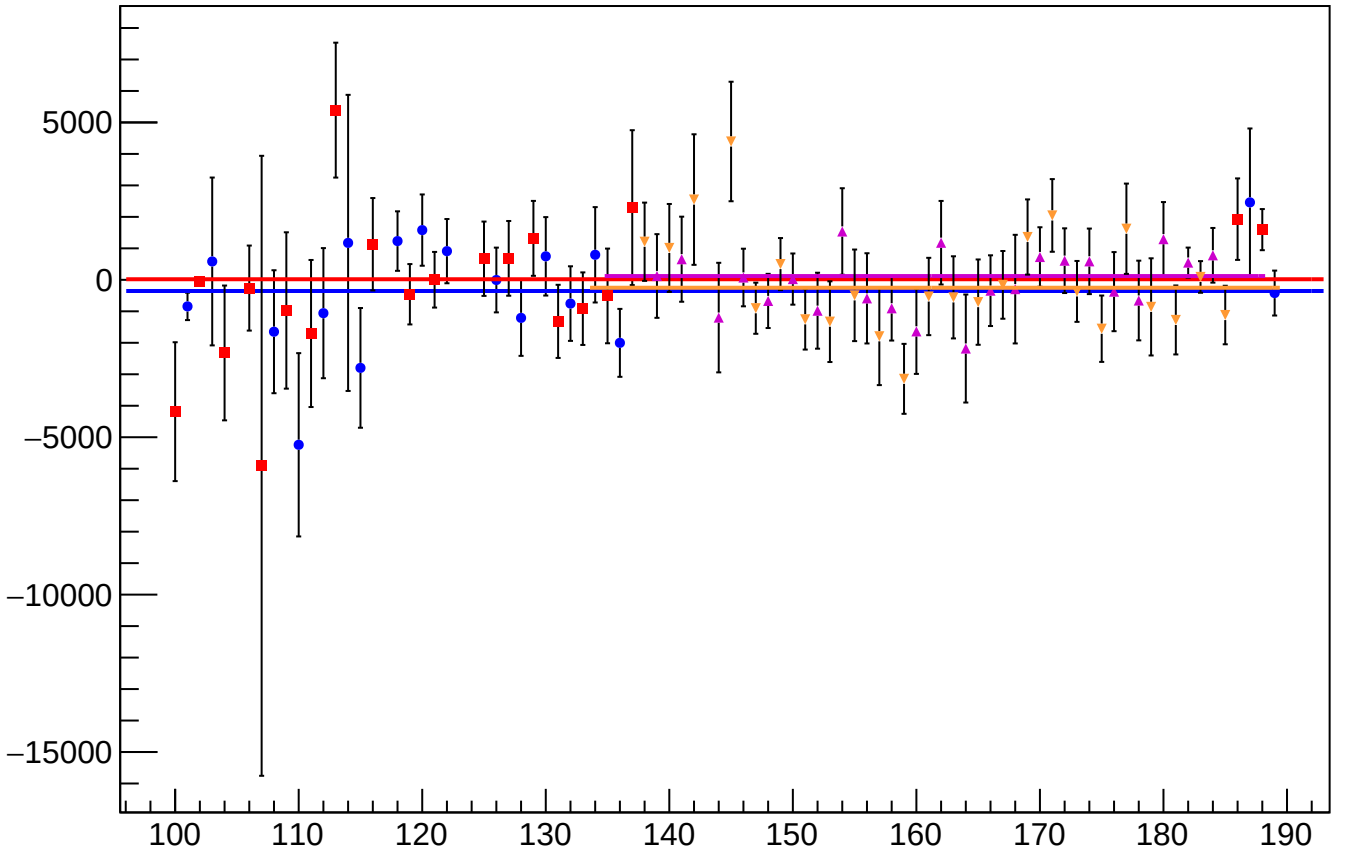
Right Out: 1582.350+/-0.381 χ^2/NDF: 174928.1/19

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1485.363+/-0.204 χ^2/NDF: 151739.8/41

All: 1494.260+/-0.145 χ^2/NDF: 395788.0/84

- sign 1503.210+/-0.205 χ^2/NDF: 240240.0/42



Right In: -354.492+/-252.853 χ^2/NDF: 19.7/17

Left Out: -251.610+/-218.369 χ^2/NDF:32.7/23

Right Out: 18.862+/-124.744 χ^2/NDF: 26.2/19

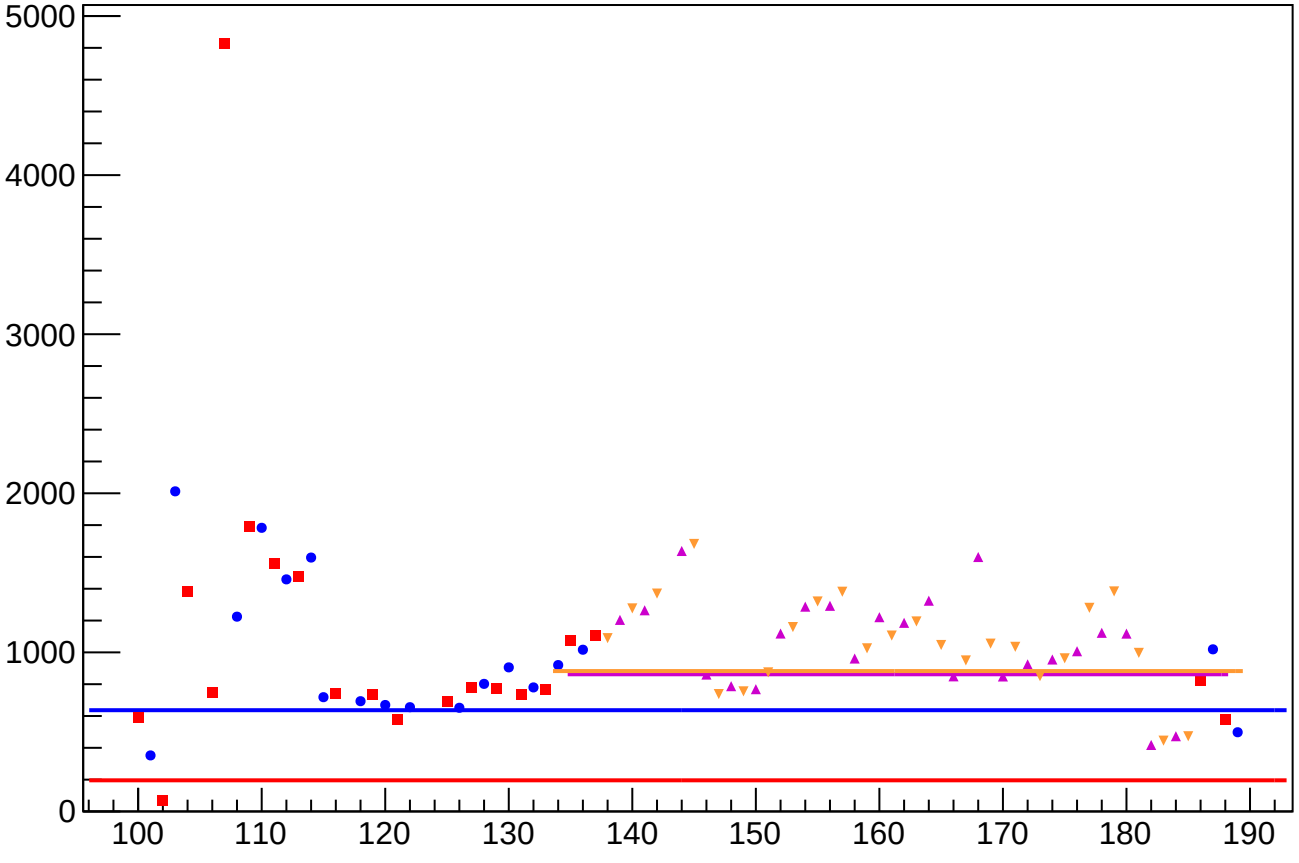
Left In: 119.802+/-215.975 χ^2/NDF:12.8/22

+ sign -295.562+/-165.268 χ^2/NDF: 52.4/41

All: -57.562+/-90.420 χ^2/NDF: 94.6/84

- sign 44.112+/-108.020 χ^2/NDF: 39.1/42

asym_usl_atl1_avg_reg_correction_rms vs Slug



Right In: 636.499+/-0.179 χ^2/NDF: 2897316.3/17

Left Out: 882.430+/-0.154 χ^2/NDF:3901279.8/23

Right Out: 195.721+/-0.088 χ^2/NDF: 10980742.0/19

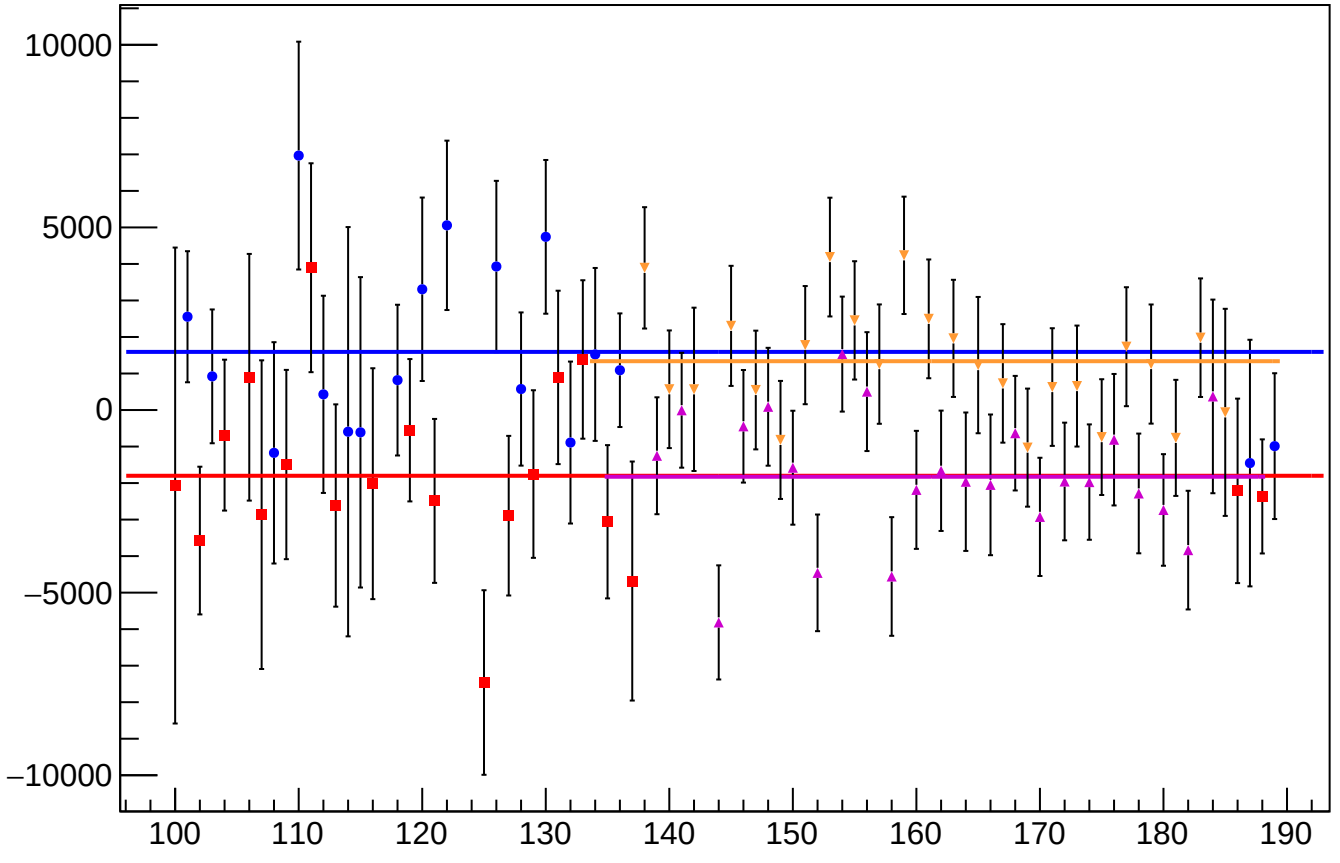
Left In: 862.298+/-0.153 χ^2/NDF:4369416.2/22

+ sign 777.366+/-0.117 χ^2/NDF: 7882309.4/41

All: 486.658+/-0.064 χ^2/NDF: 46349818.8/84

- sign 362.467+/-0.076 χ^2/NDF: 29635680.2/42

cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1591.994+/-542.926 χ^2/NDF: 15.0/17

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: -1800.075+/-538.989 χ^2/NDF: 16.3/19

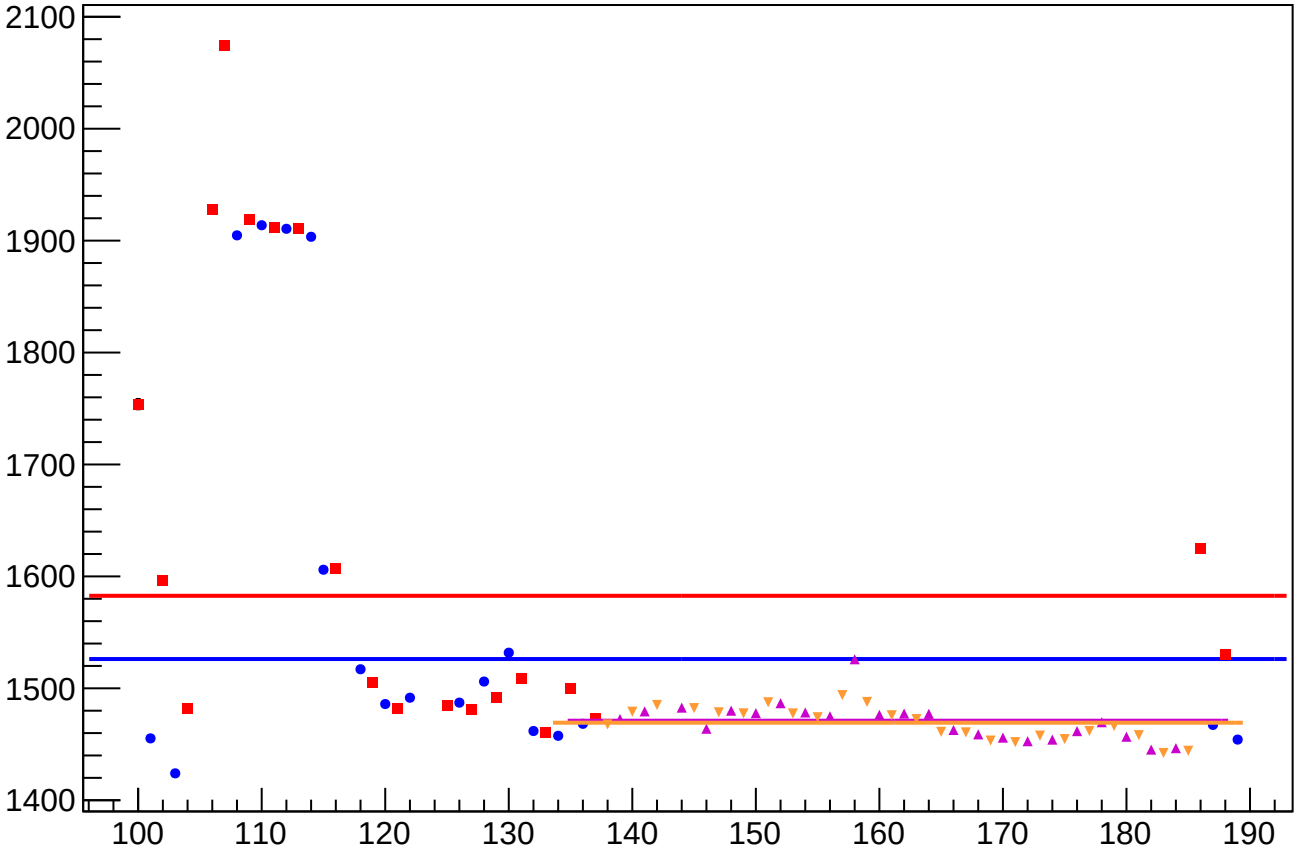
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1409.152+/-288.775 χ^2/NDF: 34.3/41

All: -199.947+/-204.508 χ^2/NDF: 139.4/84

- sign -1818.970+/-289.664 χ^2/NDF: 42.8/42

cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1526.164+/-0.384 χ^2/NDF: 132833.3/17

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

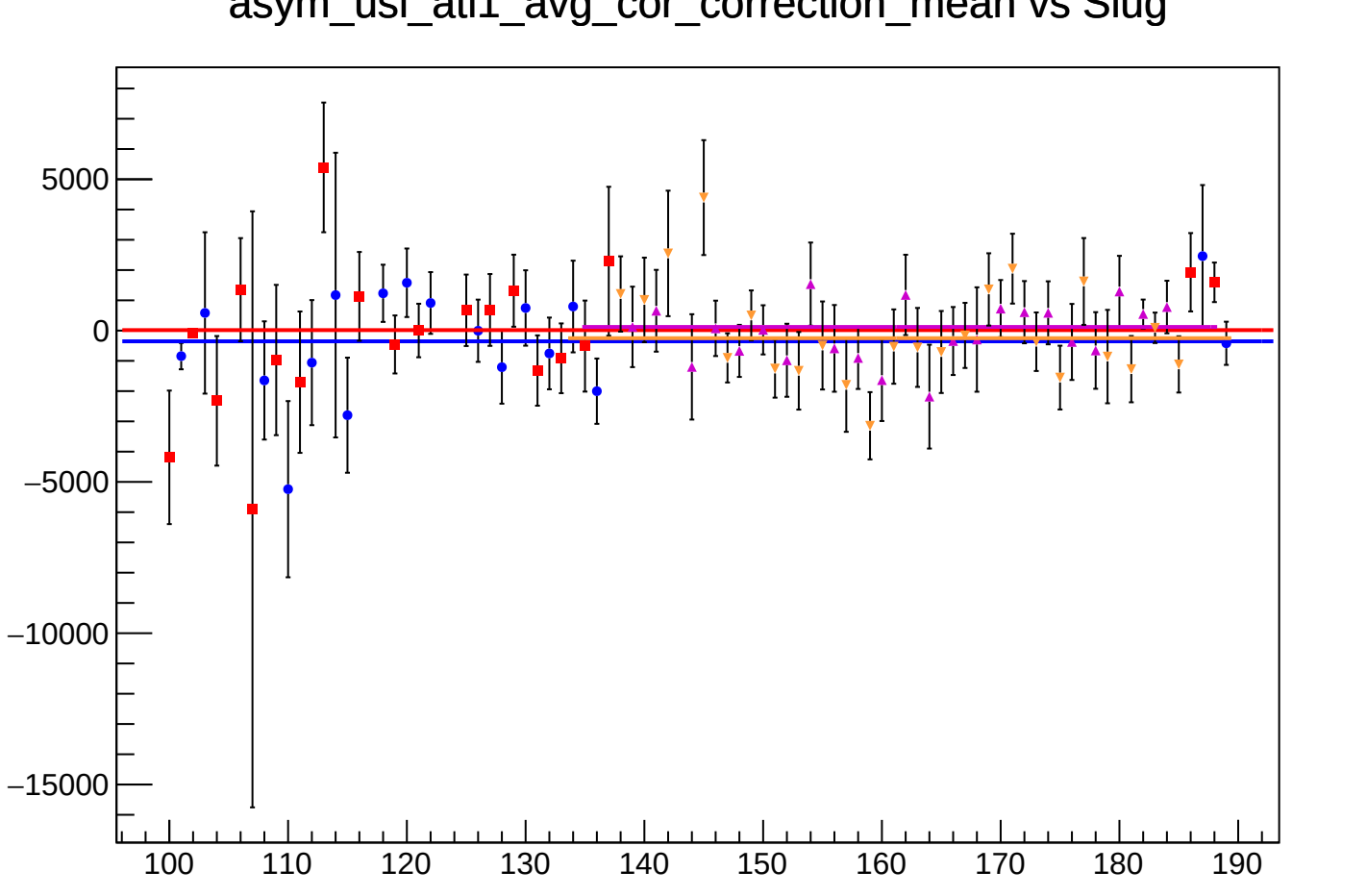
Right Out: 1582.669+/-0.381 χ^2/NDF: 176729.4/19

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1485.363+/-0.204 χ^2/NDF: 151739.8/41

All: 1494.299+/-0.145 χ^2/NDF: 397949.3/84

- sign 1503.291+/-0.205 χ^2/NDF: 242367.2/42



Right In: -354.443+/-252.852 χ^2/NDF: 19.7/17

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: 15.672+/-134.417 χ^2/NDF: 27.0/19

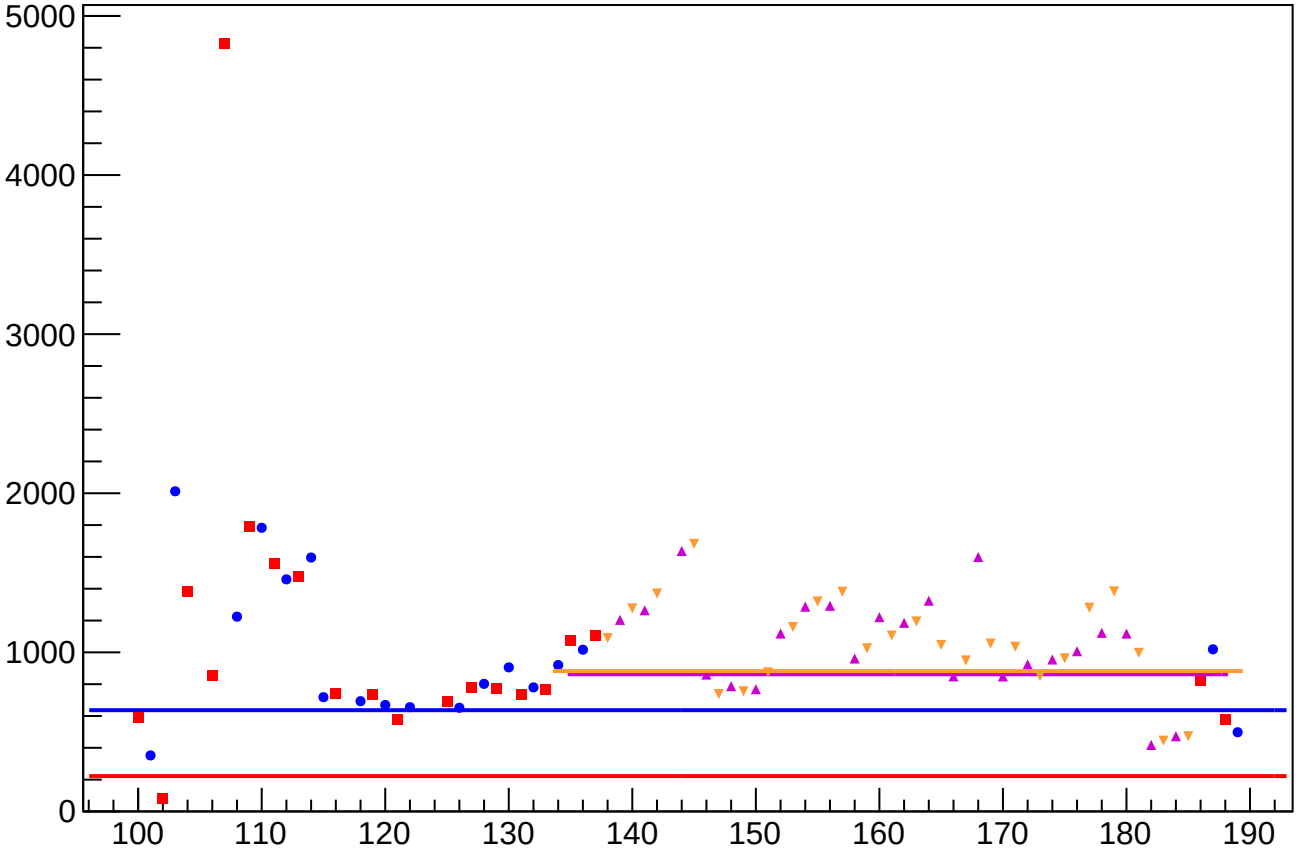
Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

\+ sign -295.529+/-165.267 χ^2/NDF: 52.4/41

All: -65.110+/-93.907 χ^2/NDF: 95.3/84

\- sign 44.757+/-114.120 χ^2/NDF: 40.0/42

asym_usl_atl1_avg_cor_correction_rms vs Slug



Right In: 636.496+/-0.179 χ^2/NDF: 2897354.2/17

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 222.222+/-0.095 χ^2/NDF: 10374766.1/19

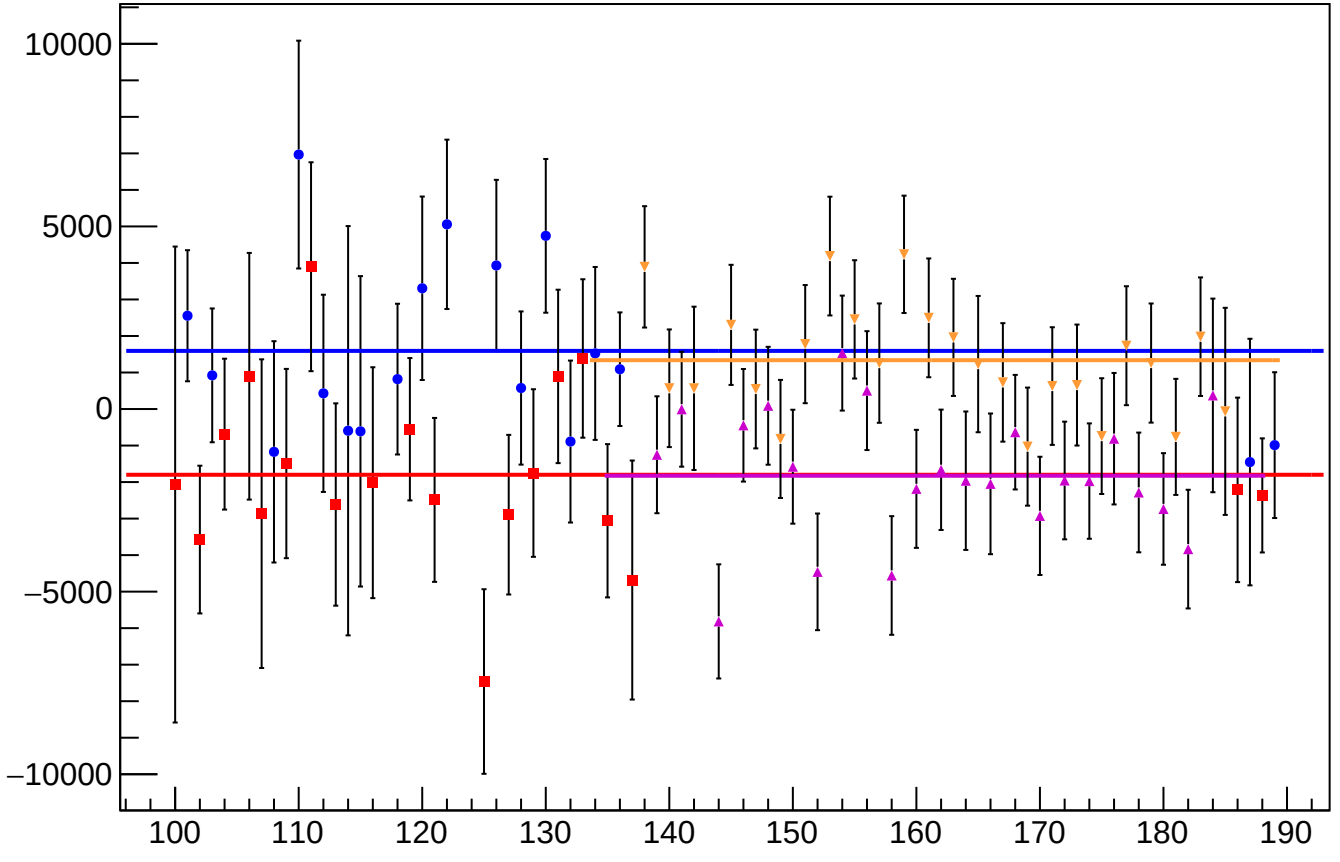
Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 777.359+/-0.117 χ^2/NDF: 7882633.9/41

All: 522.467+/-0.066 χ^2/NDF: 42314620.5/84

- sign 400.931+/-0.081 χ^2/NDF: 27406207.2/42

eigen_cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1591.994+/-542.926 χ^2/NDF: 15.0/17

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: -1800.075+/-538.989 χ^2/NDF: 16.3/19

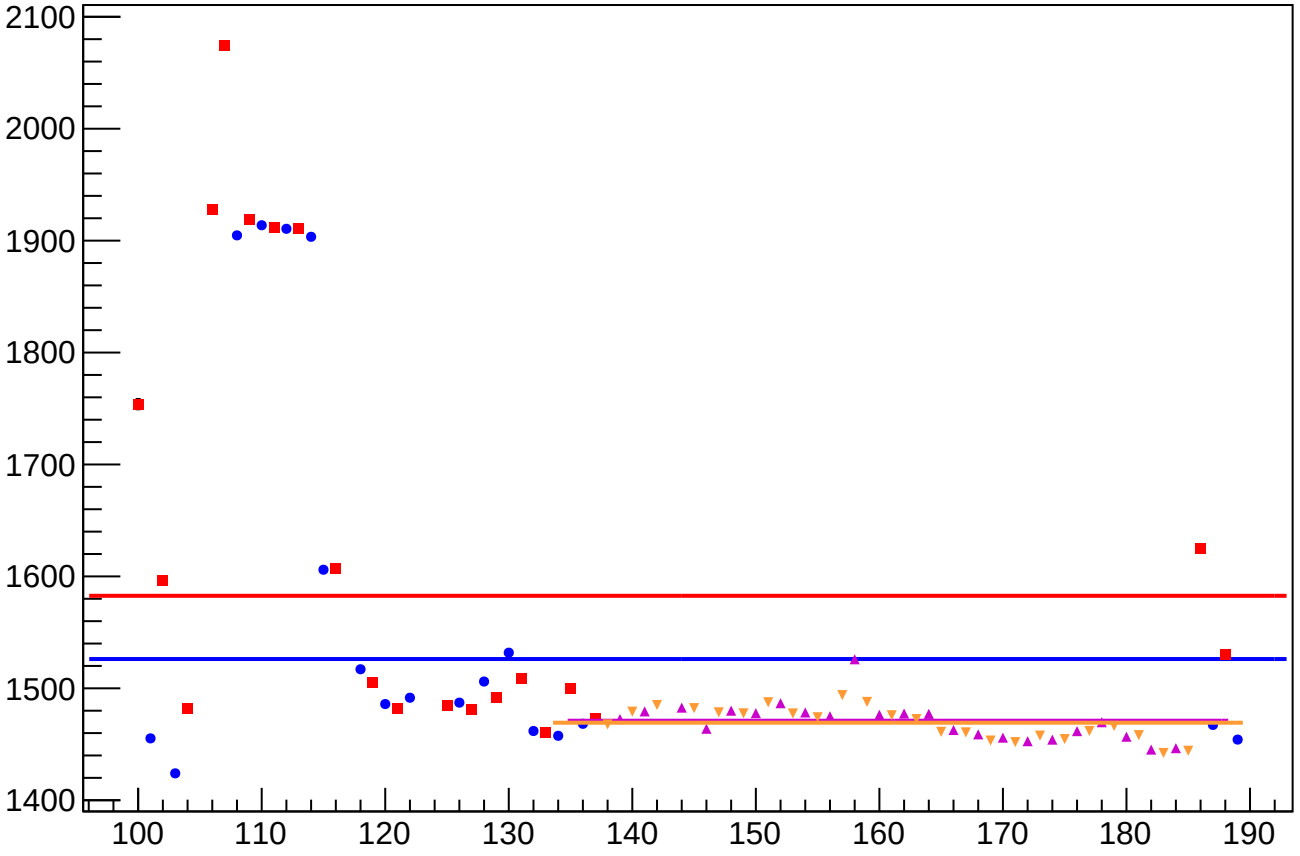
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1409.152+/-288.775 χ^2/NDF: 34.3/41

All: -199.947+/-204.508 χ^2/NDF: 139.4/84

- sign -1818.970+/-289.664 χ^2/NDF: 42.8/42

eigen_cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1526.164+/-0.384 χ^2/NDF: 132833.3/17

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

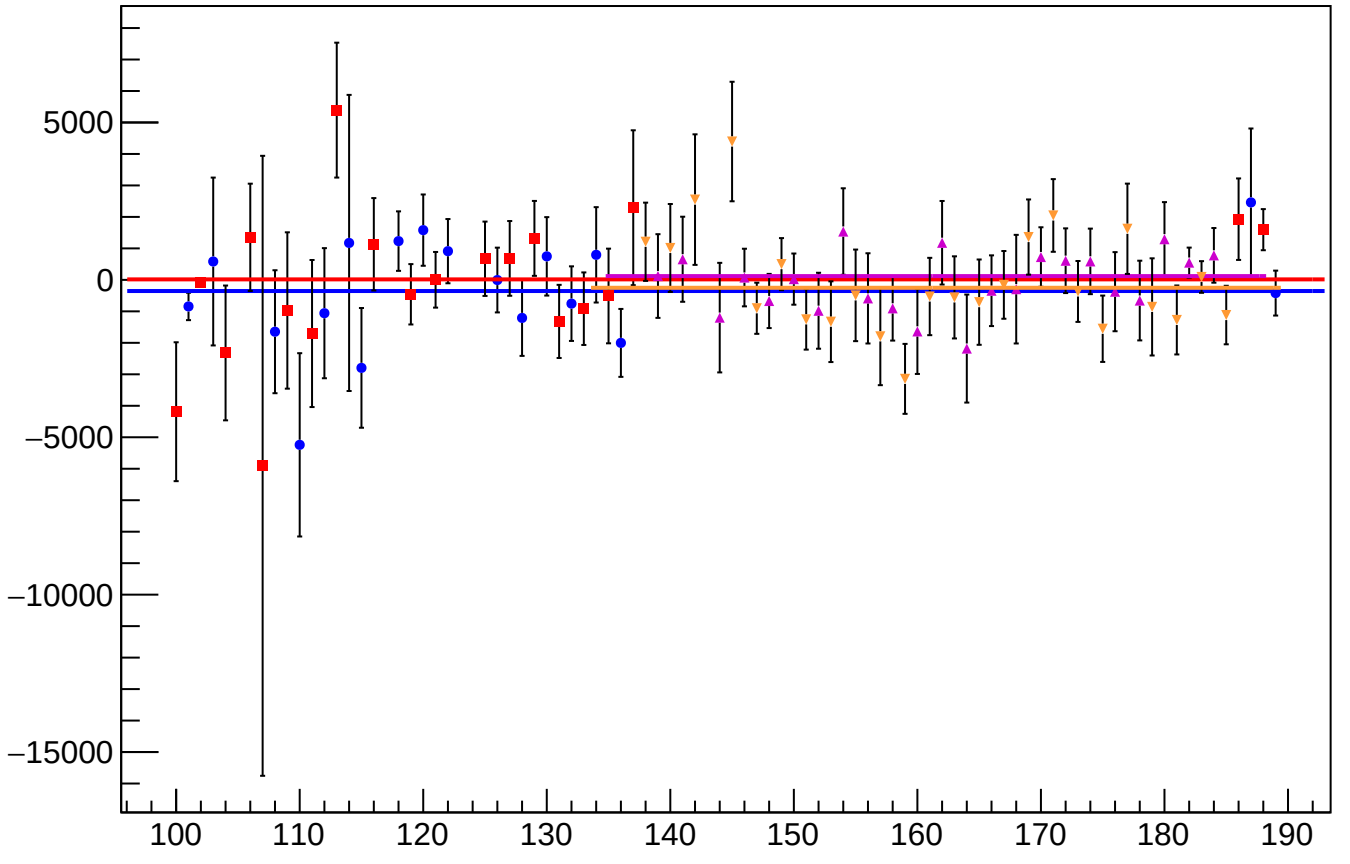
Right Out: 1582.669+/-0.381 χ^2/NDF: 176729.4/19

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1485.363+/-0.204 χ^2/NDF: 151739.8/41

All: 1494.299+/-0.145 χ^2/NDF: 397949.3/84

- sign 1503.291+/-0.205 χ^2/NDF: 242367.2/42



Right In: -354.443+/-252.852 χ^2/NDF: 19.7/17

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

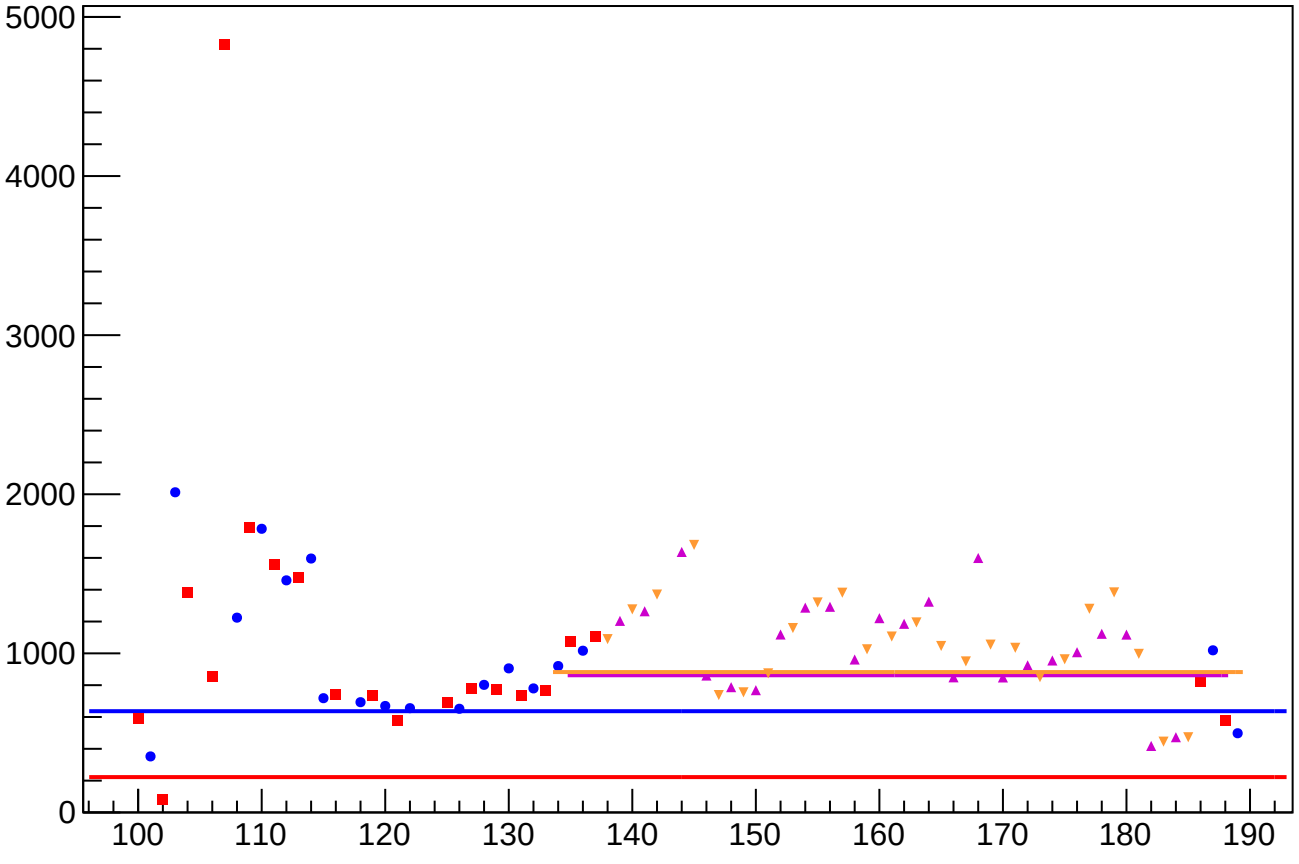
Right Out: 15.672+/-134.417 χ^2/NDF: 27.0/19

Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

+ sign -295.529+/-165.267 χ^2/NDF: 52.4/41

All: -65.110+/-93.907 χ^2/NDF: 95.3/84

- sign 44.757+/-114.120 χ^2/NDF: 40.0/42



Right In: 636.496+/-0.179 χ^2/NDF: 2897354.2/17

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 222.222+/-0.095 χ^2/NDF: 10374766.1/19

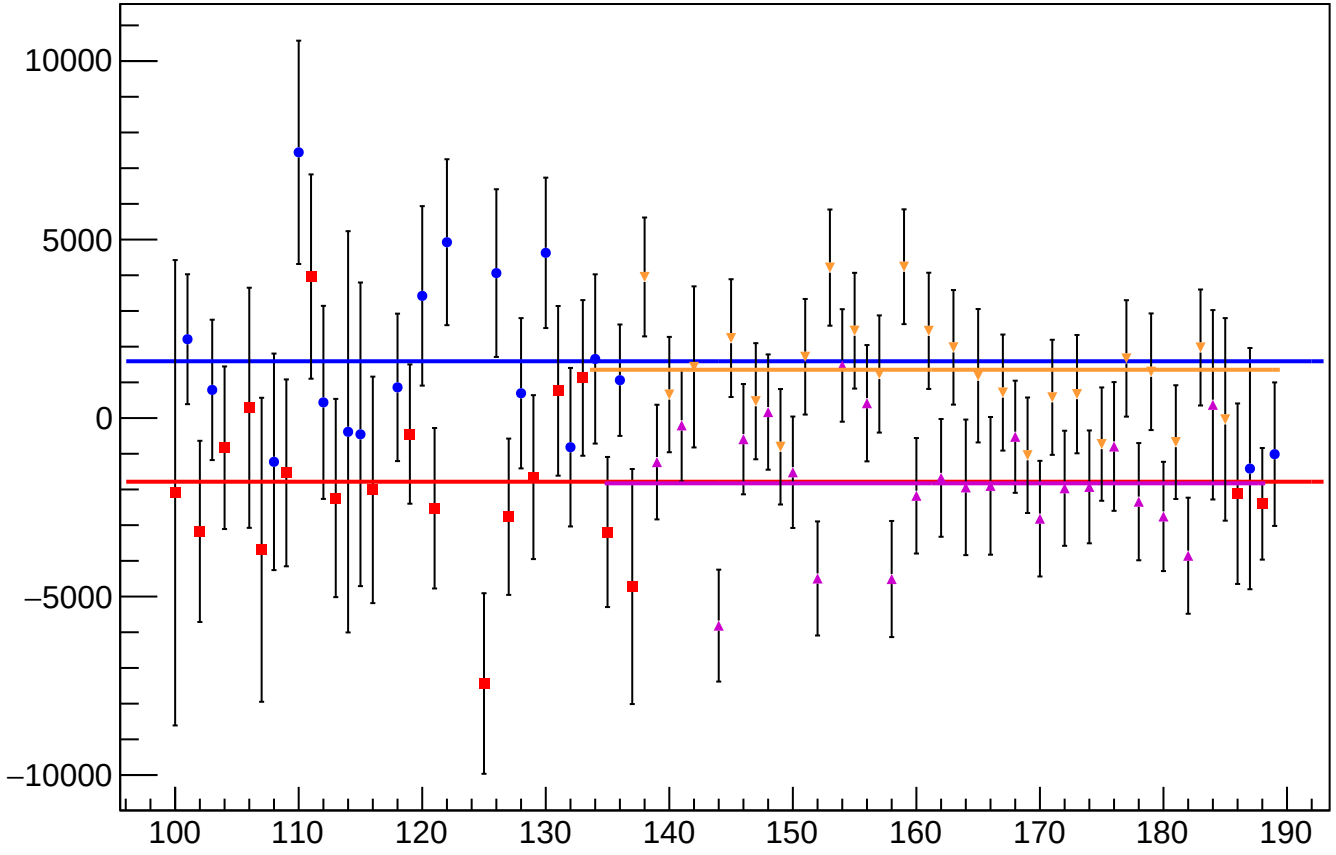
Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 777.359+/-0.117 χ^2/NDF: 7882633.9/41

All: 522.467+/-0.066 χ^2/NDF: 42314620.5/84

- sign 400.931+/-0.081 χ^2/NDF: 27406207.2/42

dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1591.400+/-547.824 χ^2/NDF: 15.0/17

Left Out: 1353.686+/-341.570 χ^2/NDF:18.9/23

Right Out: -1782.908+/-550.559 χ^2/NDF: 15.3/19

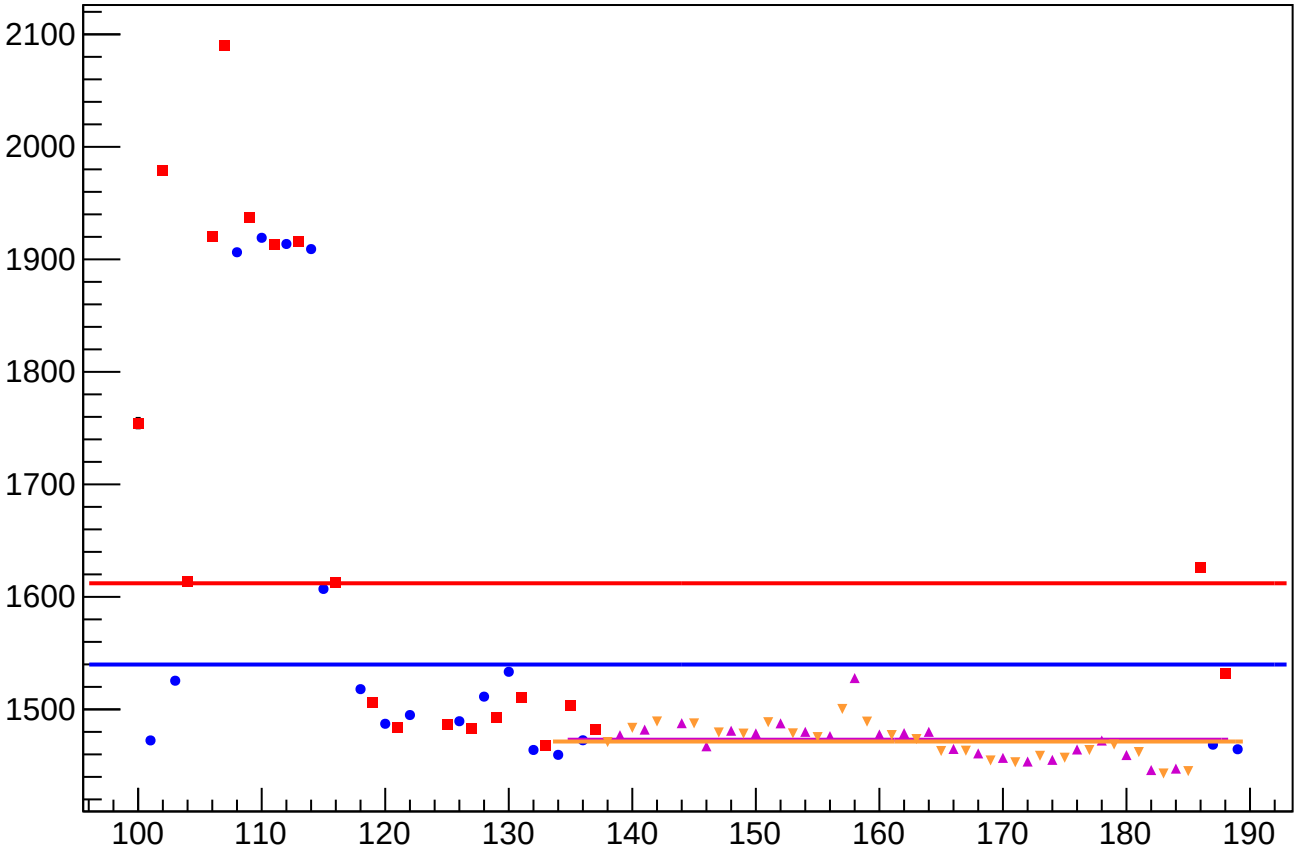
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1420.229+/-289.845 χ^2/NDF: 34.1/41

All: -187.293+/-205.606 χ^2/NDF: 137.1/84

- sign -1815.521+/-291.706 χ^2/NDF: 41.1/42

dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1539.875+/-0.387 χ^2/NDF: 124014.1/17

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1612.095+/-0.389 χ^2/NDF: 217595.7/19

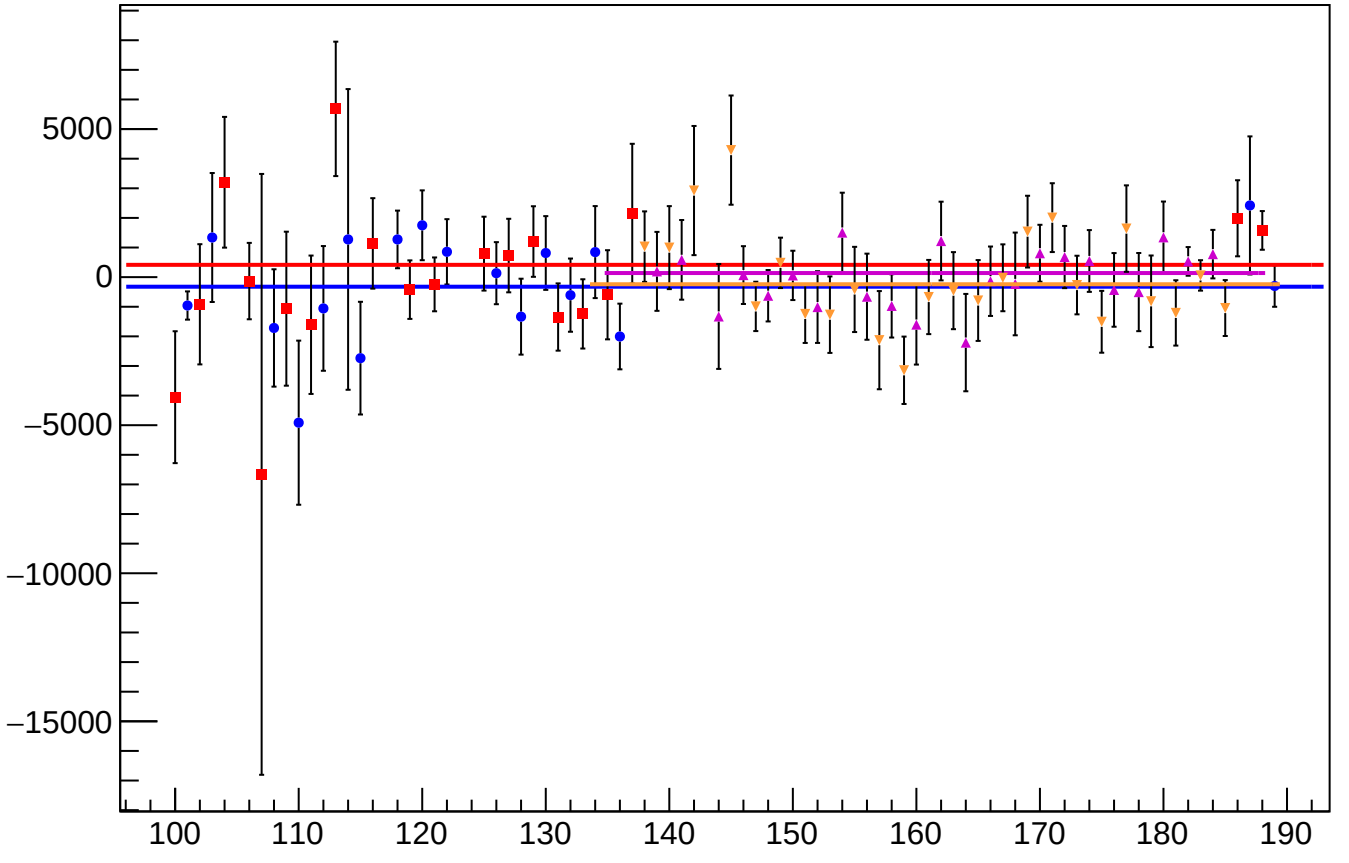
Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1490.595+/-0.205 χ^2/NDF: 149926.6/41

All: 1501.270+/-0.145 χ^2/NDF: 469490.4/84

- sign 1512.083+/-0.206 χ^2/NDF: 314102.8/42

asym_usl_atl1_avg_dit_correction_mean vs Slug



Right In: -323.224+/-263.620 χ^2/NDF: 20.3/17

Left Out: -240.267+/-221.787 χ^2/NDF:32.4/23

Right Out: 415.268+/-294.624 χ^2/NDF: 25.3/19

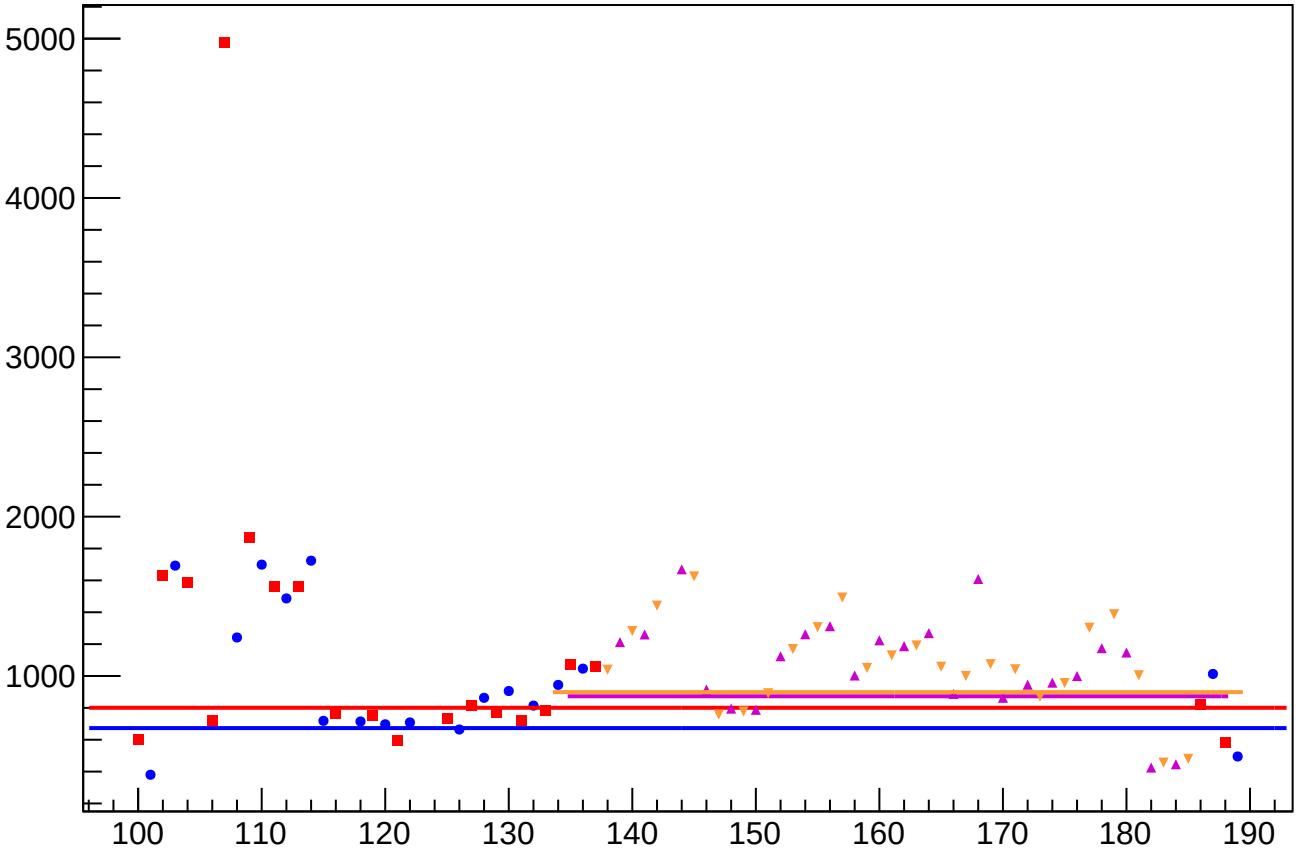
Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

\+ sign -274.649+/-169.714 χ^2/NDF: 52.8/41

All: -27.557+/-121.997 χ^2/NDF: 96.1/84

\- sign 236.645+/-175.492 χ^2/NDF: 38.9/42

asym_usl_atl1_avg_dit_correction_rms vs Slug



Right In: 672.973+/-0.186 χ^2/NDF: 2621501.1/17

Left Out: 898.849+/-0.157 χ^2/NDF:3791528.8/23

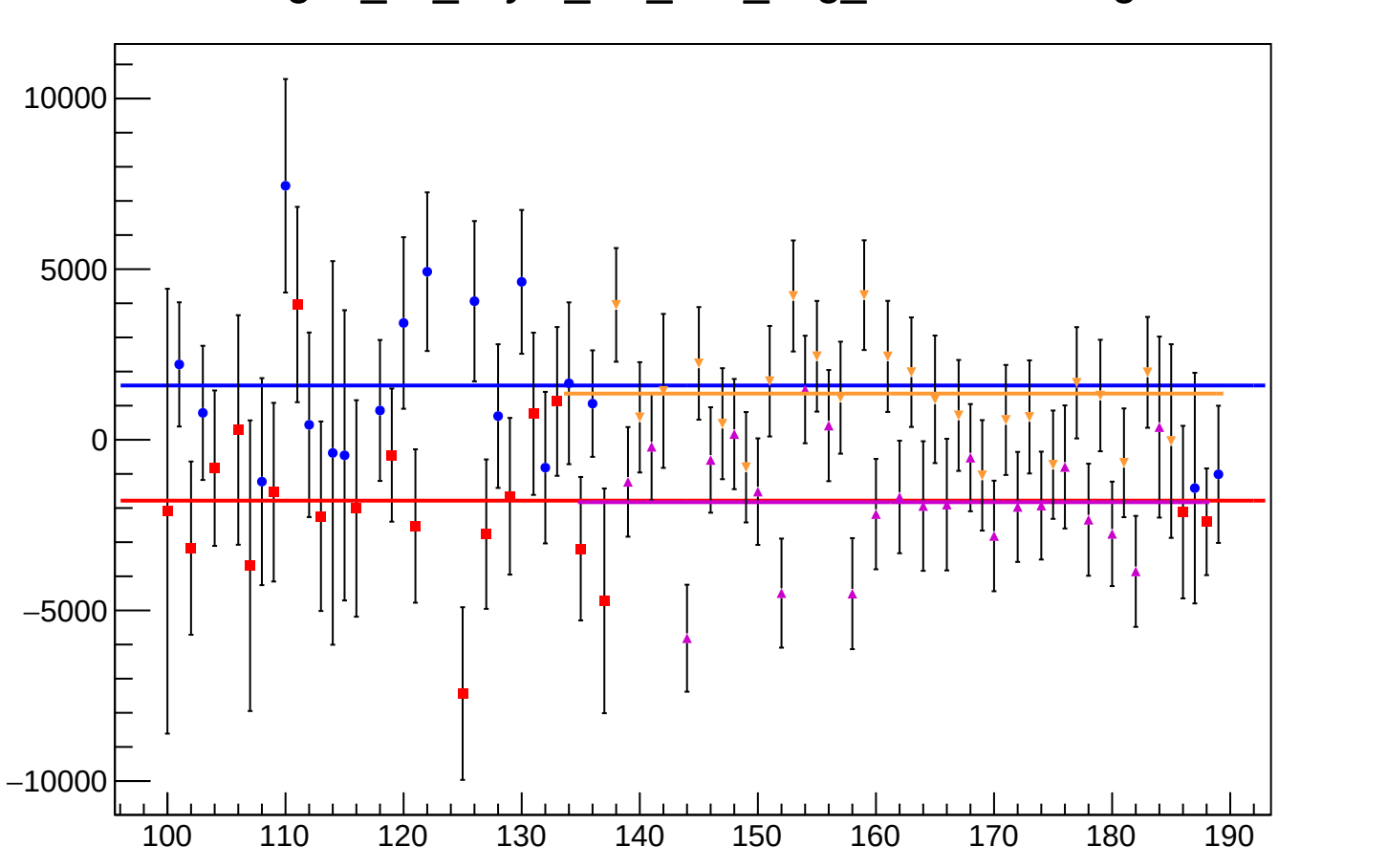
Right Out: 800.498+/-0.208 χ^2/NDF: 2158148.8/19

Left In: 872.472+/-0.154 χ^2/NDF:4435516.3/22

+ sign 805.234+/-0.120 χ^2/NDF: 7272780.4/41

All: 825.387+/-0.086 χ^2/NDF: 14001813.6/84

- sign 846.936+/-0.124 χ^2/NDF: 6670674.0/42



Right In: 1591.398+/-547.824 χ^2/NDF: 15.0/17

Left Out: 1353.684+/-341.570 χ^2/NDF:18.9/23

Right Out: -1782.906+/-550.559 χ^2/NDF: 15.3/19

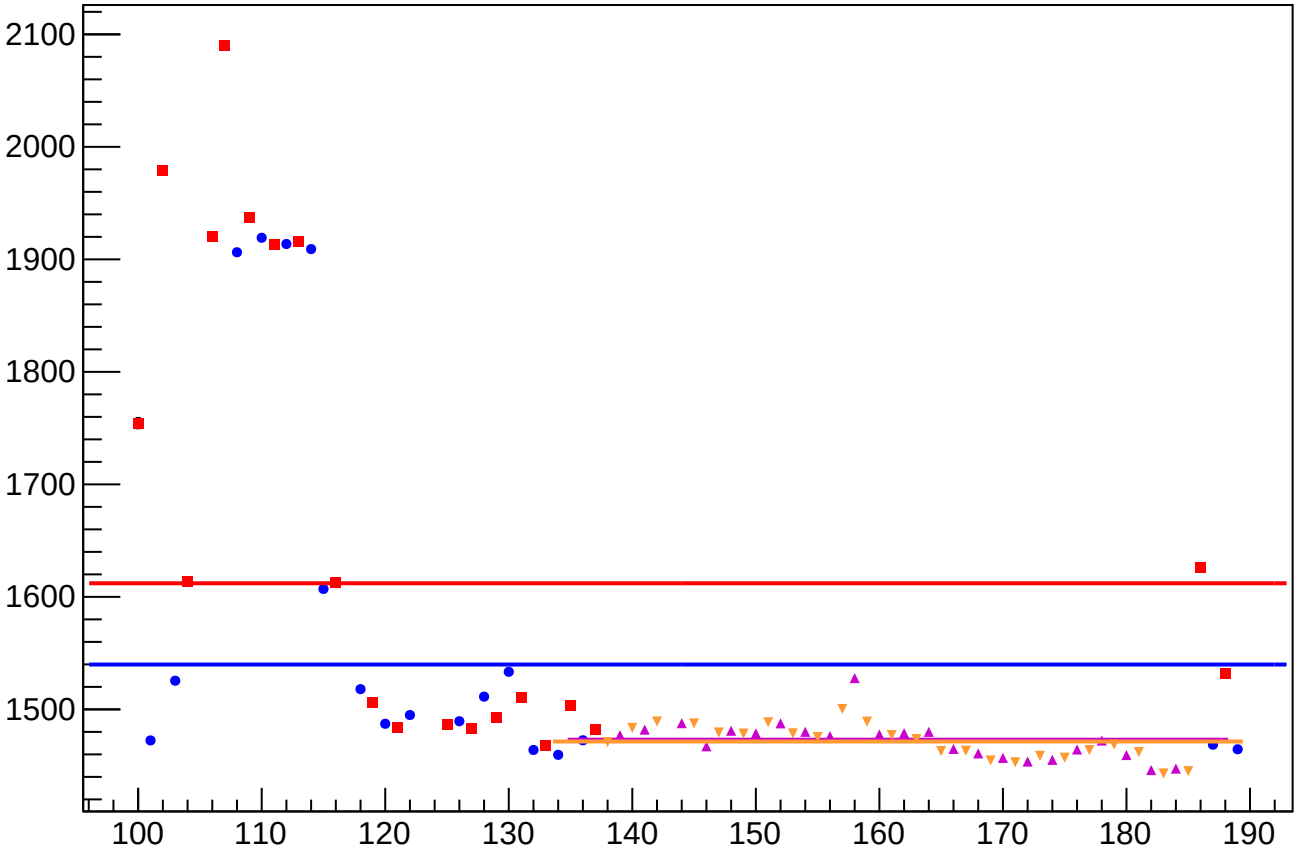
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1420.228+/-289.845 χ^2/NDF: 34.1/41

All: -187.294+/-205.606 χ^2/NDF: 137.1/84

- sign -1815.521+/-291.706 χ^2/NDF: 41.1/42

eigen_dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1539.874+/-0.387 χ^2/NDF: 124014.1/17

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

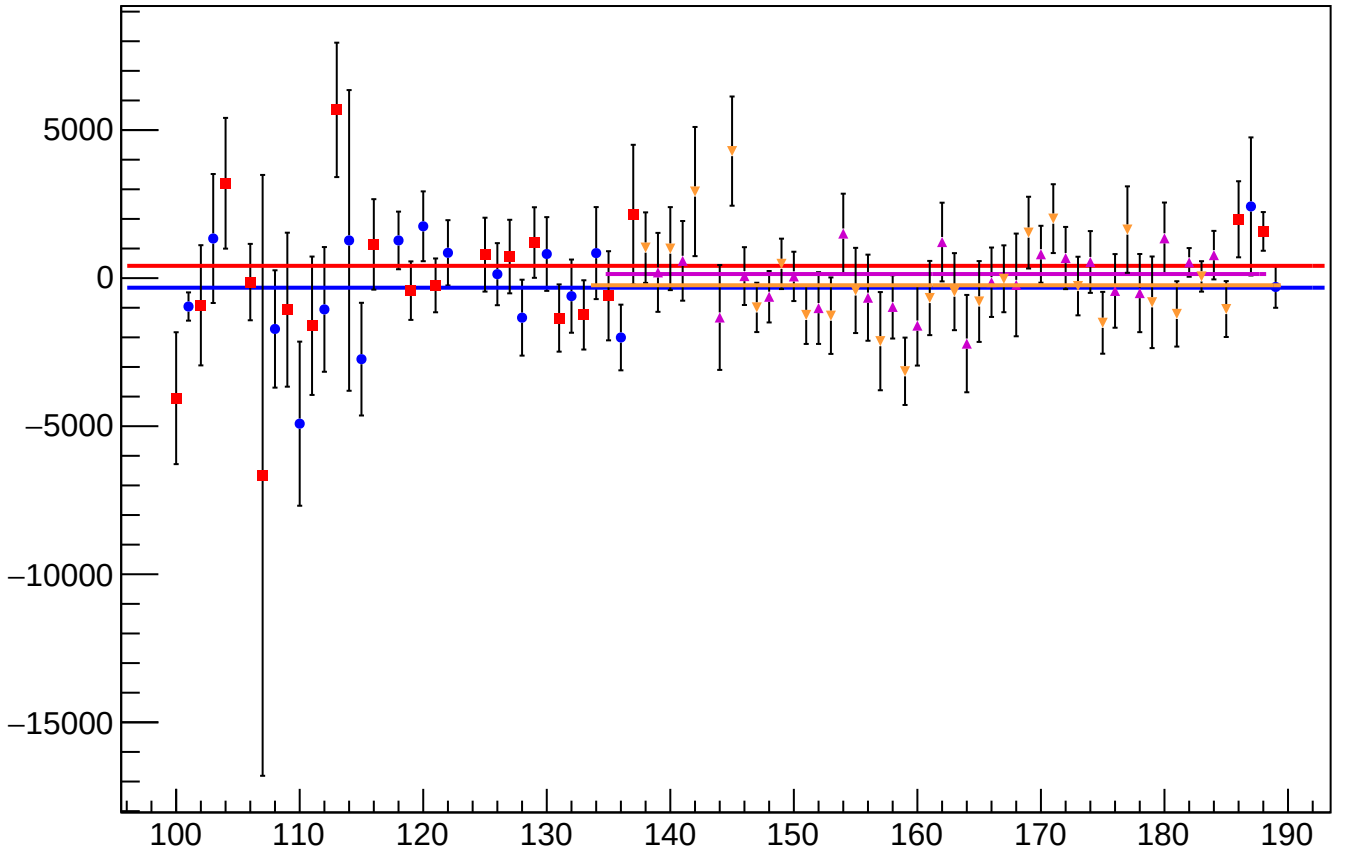
Right Out: 1612.094+/-0.389 χ^2/NDF: 217595.5/19

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1490.595+/-0.205 χ^2/NDF: 149926.5/41

All: 1501.270+/-0.145 χ^2/NDF: 469489.8/84

- sign 1512.082+/-0.206 χ^2/NDF: 314102.3/42



Right In: -323.223+/-263.620 χ^2/NDF: 20.3/17

Left Out: -240.269+/-221.788 χ^2/NDF:32.4/23

Right Out: 415.266+/-294.624 χ^2/NDF: 25.3/19

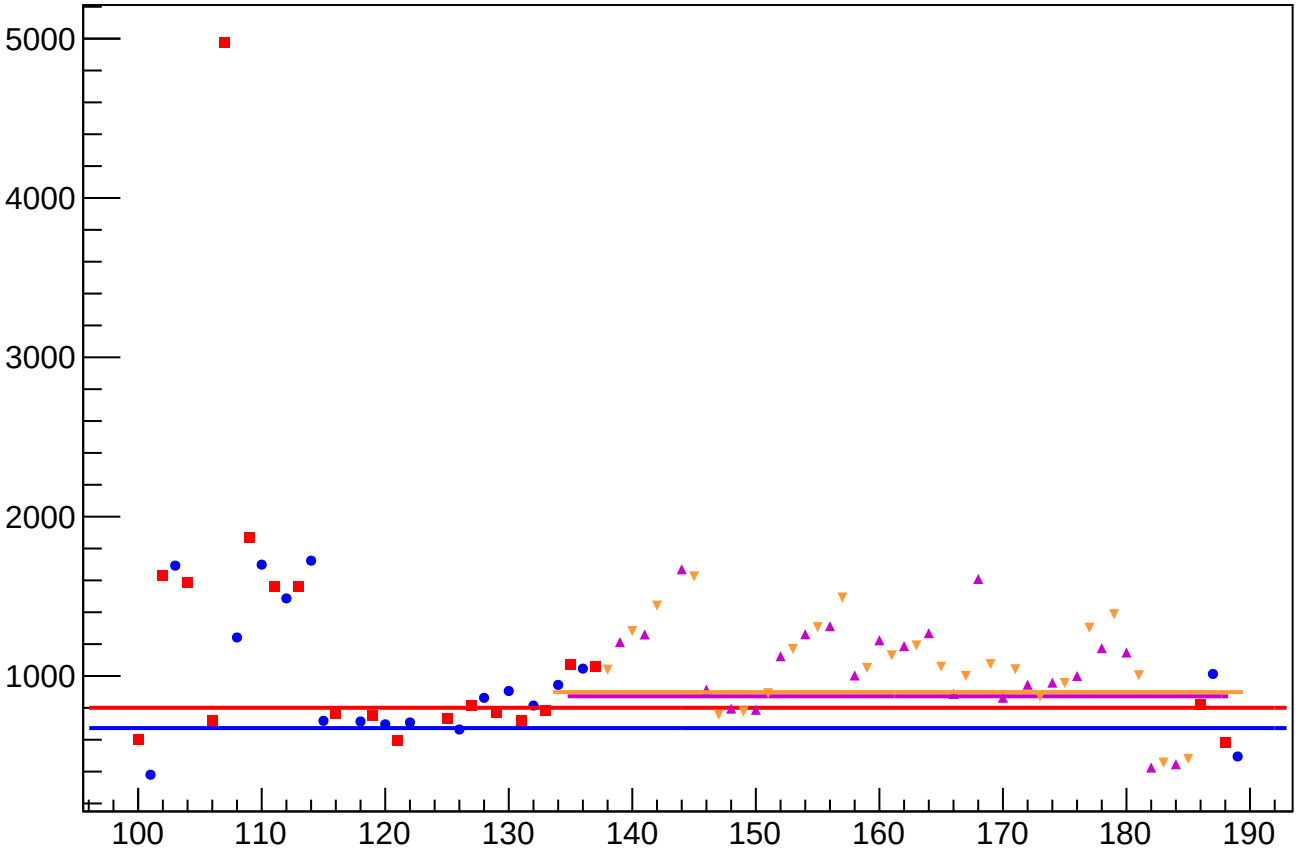
Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

+ sign -274.650+/-169.714 χ^2/NDF: 52.8/41

All: -27.558+/-121.997 χ^2/NDF: 96.1/84

- sign 236.645+/-175.492 χ^2/NDF: 38.9/42

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug



Right In: 672.973+/-0.186 χ^2/NDF: 2621494.3/17

Left Out: 898.850+/-0.157 χ^2/NDF:3791537.4/23

Right Out: 800.497+/-0.208 χ^2/NDF: 2158156.1/19

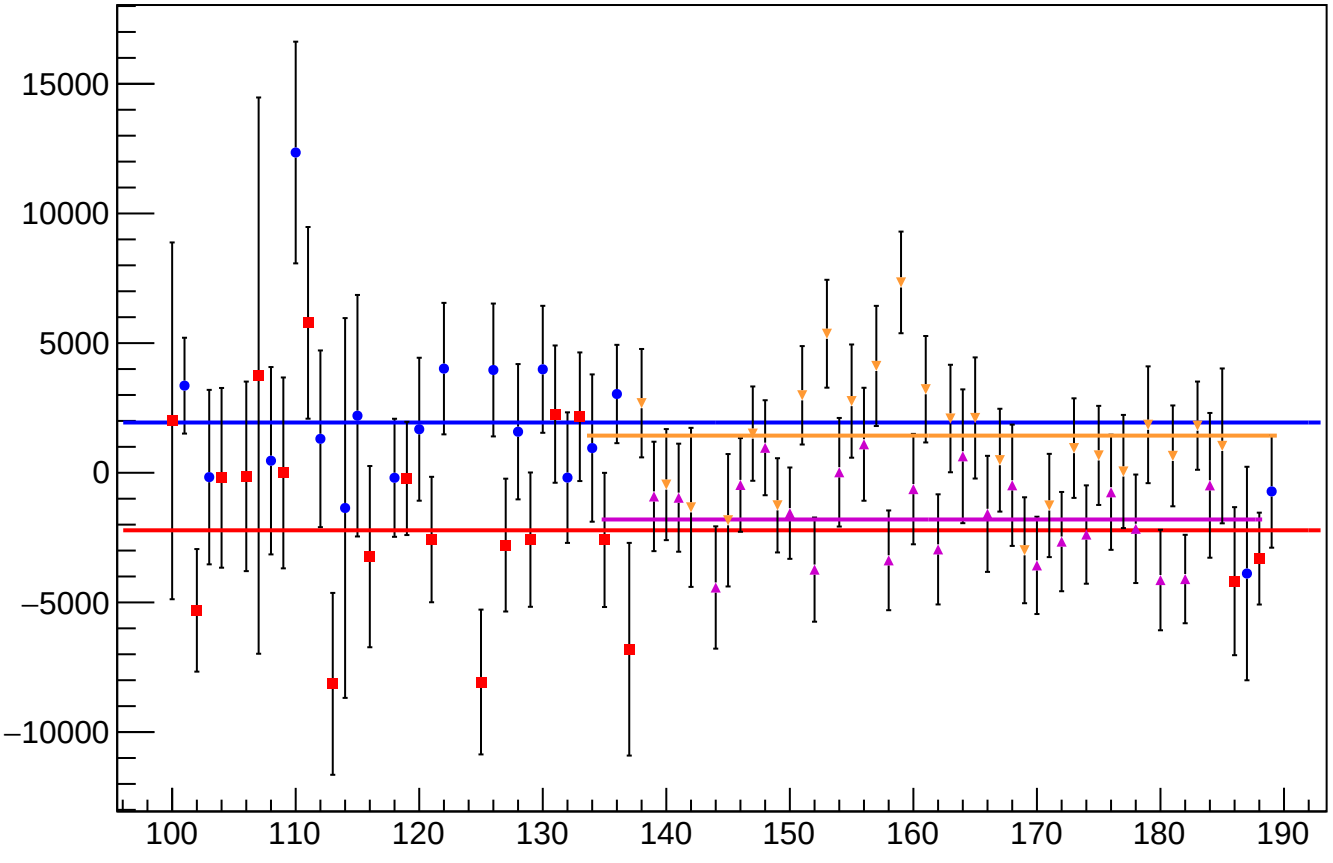
Left In: 872.473+/-0.154 χ^2/NDF:4435524.1/22

+ sign 805.234+/-0.120 χ^2/NDF: 7272788.2/41

All: 825.387+/-0.086 χ^2/NDF: 14001839.9/84

- sign 846.936+/-0.124 χ^2/NDF: 6670693.4/42

asym_usl_atl1_avg_mean vs Slug



Right In: 1938.487+/-640.097 χ^2/NDF: 14.9/17

Left Out: 1433.314+/-424.465 χ^2/NDF:29.4/23

Right Out: -2218.742+/-639.795 χ^2/NDF: 24.5/19

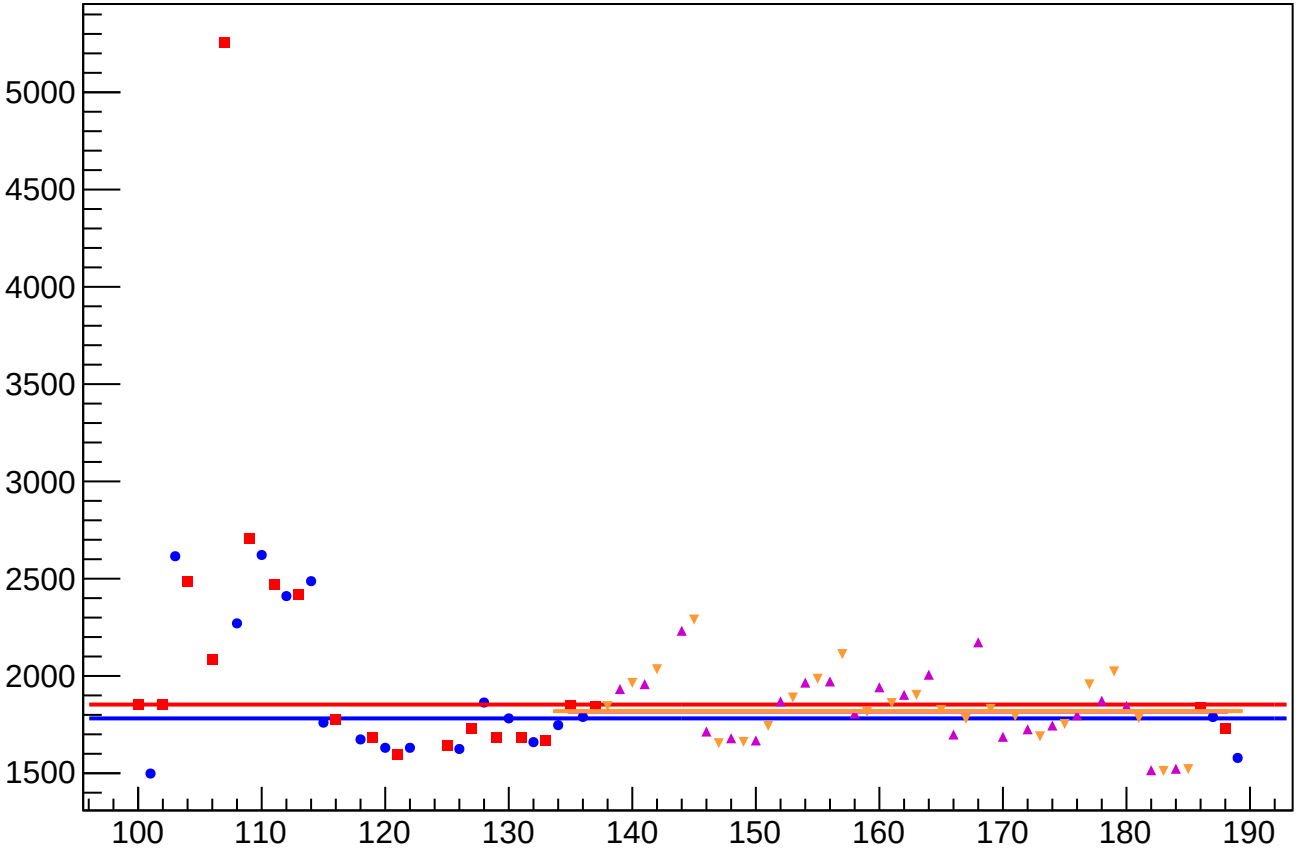
Left In: -1801.543+/-426.483 χ^2/NDF:15.3/22

+ sign 1587.608+/-353.753 χ^2/NDF: 44.7/41

All: -165.613+/-250.534 χ^2/NDF: 134.1/84

- sign -1929.892+/-354.867 χ^2/NDF: 40.1/42

asym_usl_atl1_avg_rms vs Slug



Right In: 1781.849+/-0.453 χ^2/NDF: 419900.6/17

Left Out: 1819.417+/-0.300 χ^2/NDF:295015.0/23

Right Out: 1853.065+/-0.452 χ^2/NDF: 581647.2/19

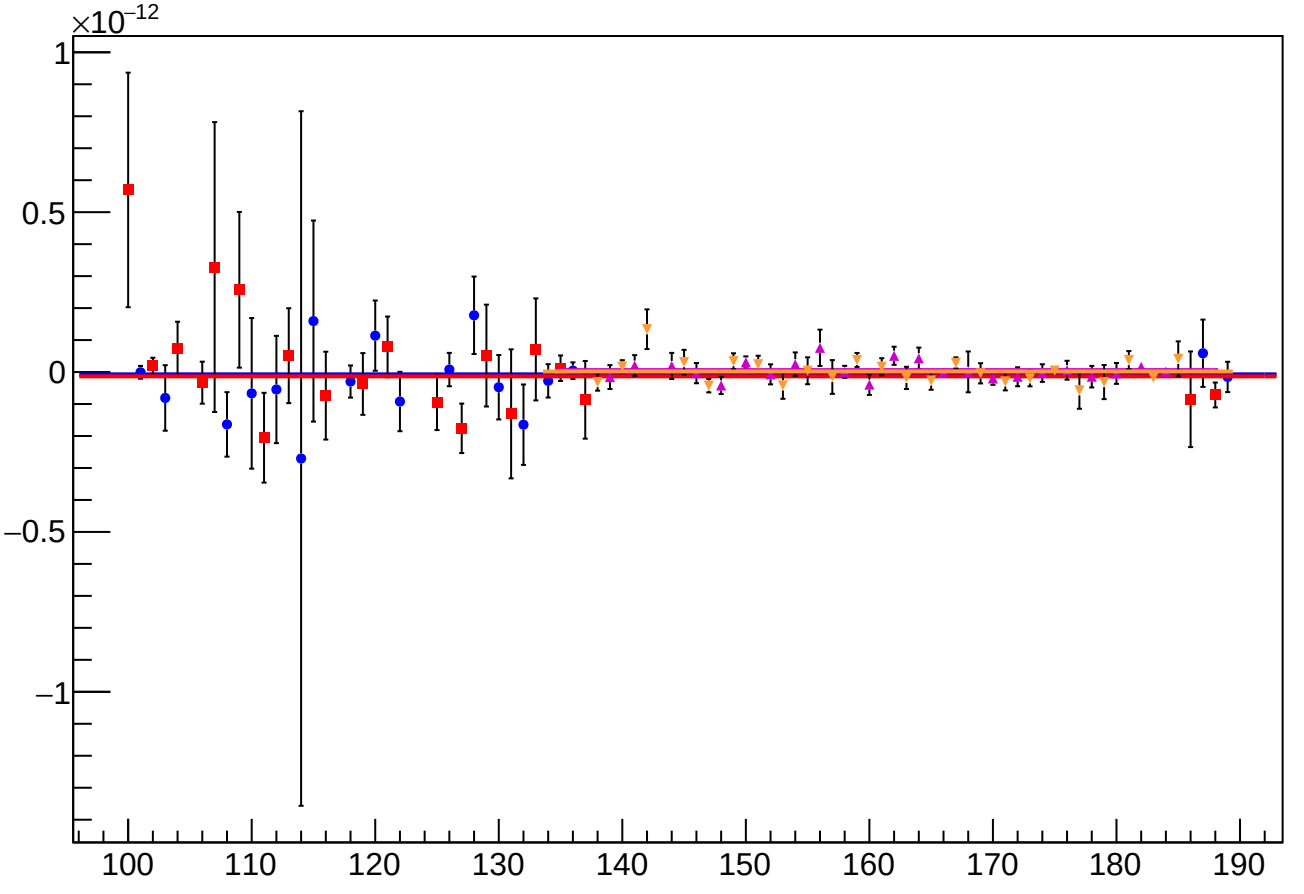
Left In: 1817.142+/-0.302 χ^2/NDF:307103.2/22

+ sign 1807.943+/-0.250 χ^2/NDF: 719700.8/41

All: 1818.036+/-0.177 χ^2/NDF: 1616083.1/84

- sign 1828.193+/-0.251 χ^2/NDF: 893115.8/42

asym_usl_atl1_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 10.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:29.3/23

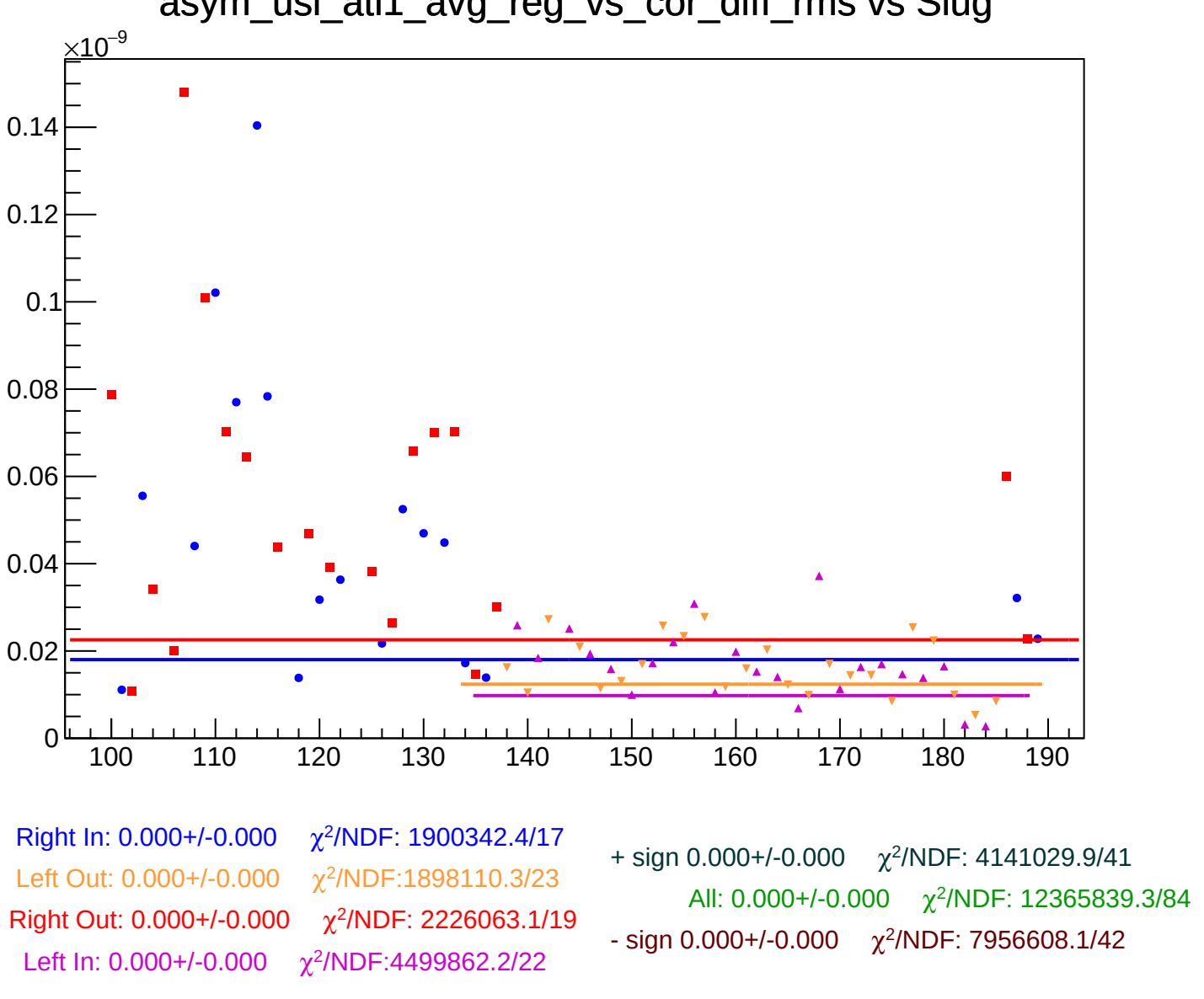
Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/19

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

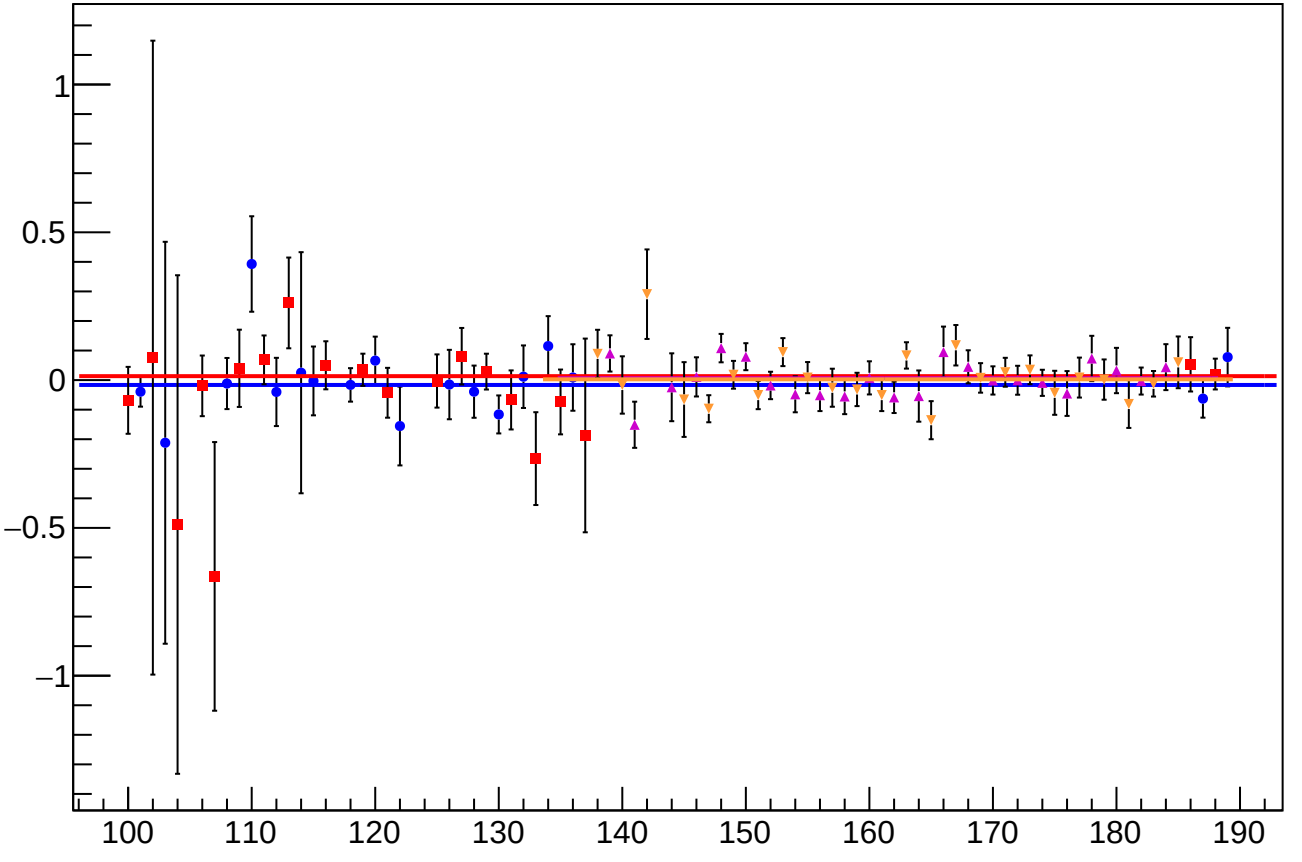
+ sign 0.000+/-0.000 χ^2/NDF: 40.4/41

All: 0.000+/-0.000 χ^2/NDF: 79.8/84

- sign 0.000+/-0.000 χ^2/NDF: 39.0/42


asym_usl_atl1_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1900342.4/17
Left Out: 0.000+/-0.000 χ²/NDF:1898110.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 2226063.1/19
Left In: 0.000+/-0.000 χ²/NDF:4499862.2/22
+ sign 0.000+/-0.000 χ²/NDF: 4141029.9/41
All: 0.000+/-0.000 χ²/NDF: 12365839.3/84
- sign 0.000+/-0.000 χ²/NDF: 7956608.1/42

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.016+/-0.021 χ^2/NDF: 14.6/17

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.013+/-0.021 χ^2/NDF: 12.7/19

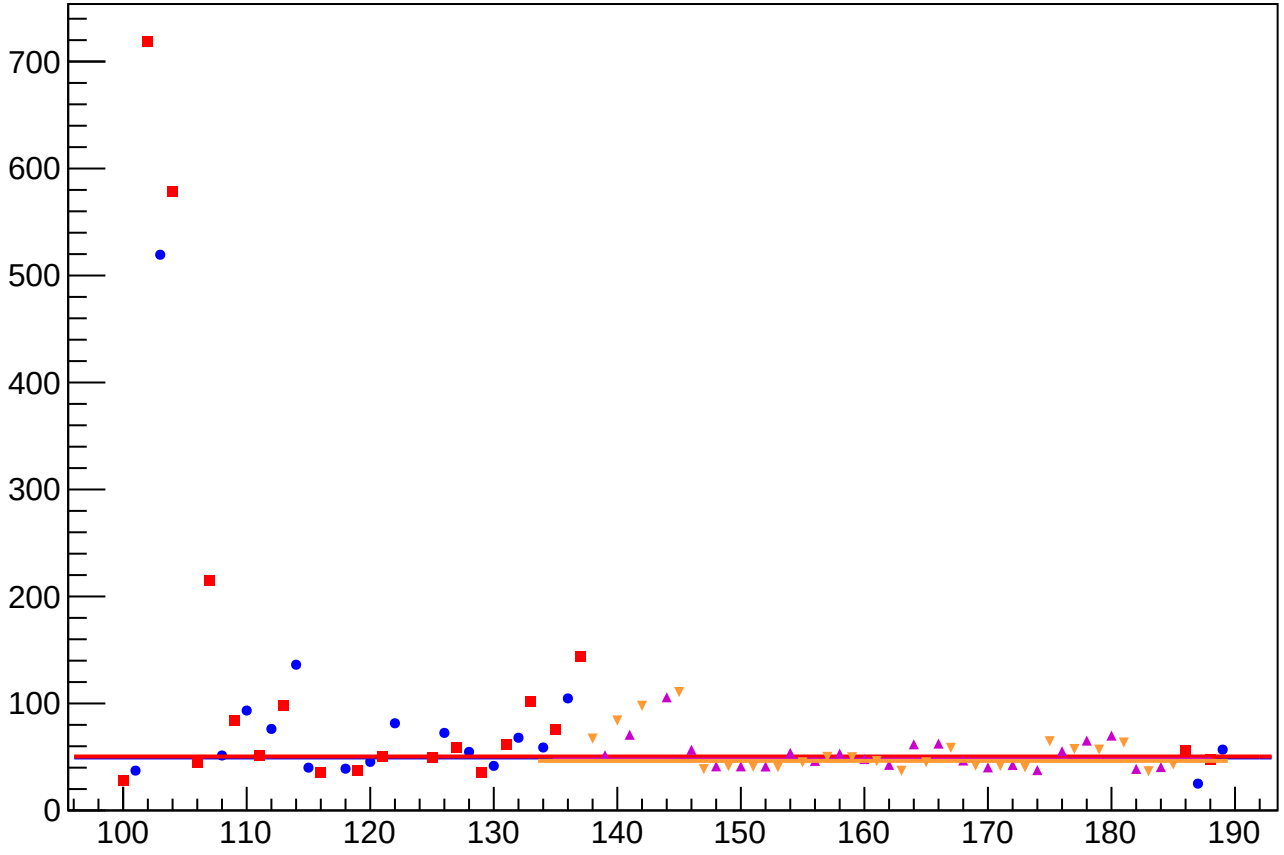
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.002+/-0.010 χ^2/NDF: 45.1/41

All: 0.003+/-0.007 χ^2/NDF: 80.0/84

- sign 0.008+/-0.010 χ^2/NDF: 34.4/42

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 49.543+/-0.015 χ^2/NDF: 2594664.4/17

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

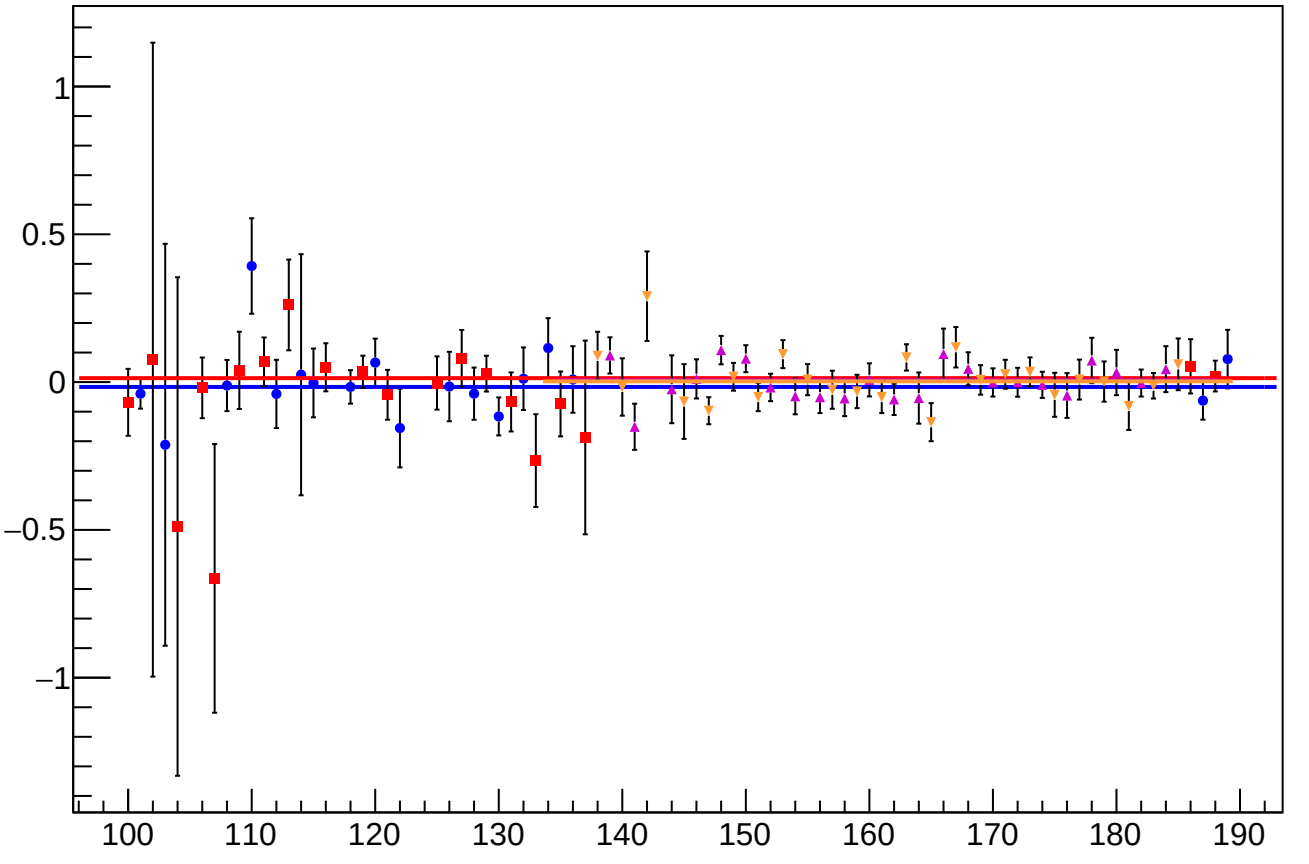
Right Out: 50.422+/-0.015 χ^2/NDF: 3062721.9/19

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

+ sign 47.135+/-0.007 χ^2/NDF: 4597661.3/41

All: 47.704+/-0.005 χ^2/NDF: 9276609.6/84

- sign 48.291+/-0.007 χ^2/NDF: 4666627.3/42



Right In: -0.016+/-0.021 χ^2/NDF: 14.6/17

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

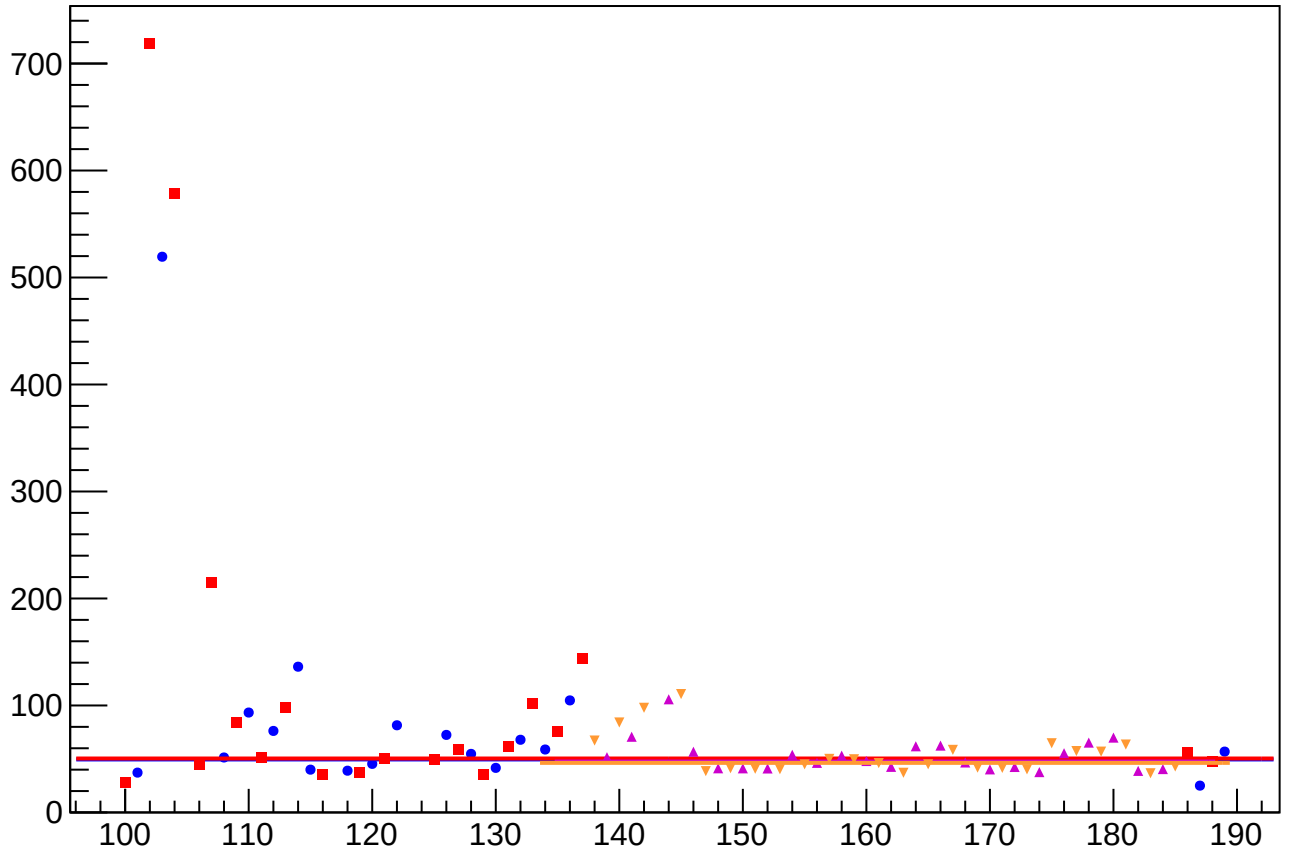
Right Out: 0.013+/-0.021 χ^2/NDF: 12.7/19

Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

\+ sign -0.002+/-0.010 χ^2/NDF: 45.1/41

All: 0.003+/-0.007 χ^2/NDF: 80.0/84

\- sign 0.008+/-0.010 χ^2/NDF: 34.4/42



Right In: 49.543+/-0.015 χ^2/NDF: 2594664.4/17

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

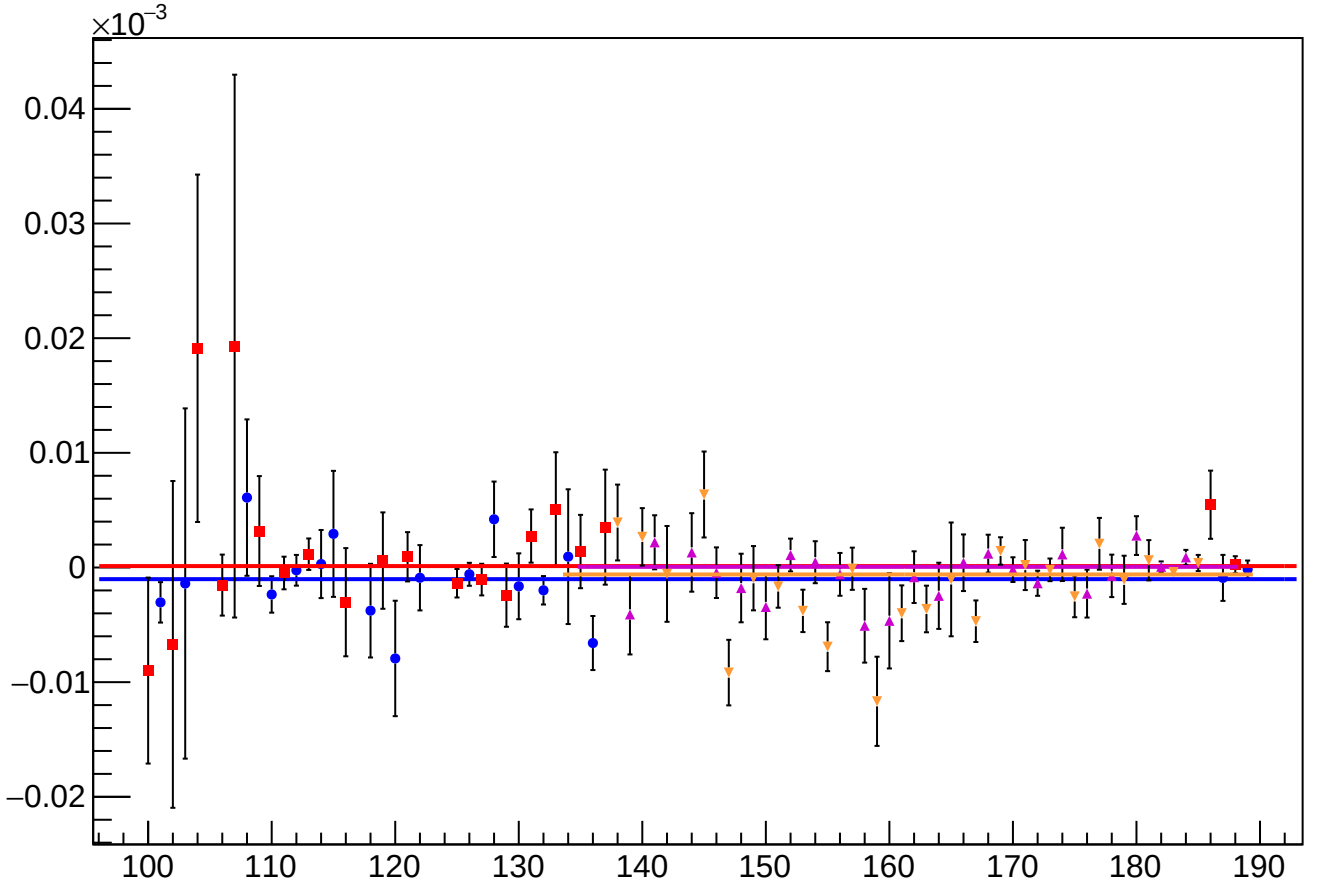
Right Out: 50.422+/-0.015 χ^2/NDF: 3062721.9/19

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

+ sign 47.135+/-0.007 χ^2/NDF: 4597661.3/41

All: 47.704+/-0.005 χ^2/NDF: 9276609.6/84

- sign 48.291+/-0.007 χ^2/NDF: 4666627.3/42



Right In: -0.000+/-0.000 χ^2/NDF: 16.8/17

Left Out: -0.000+/-0.000 χ^2/NDF:54.0/23

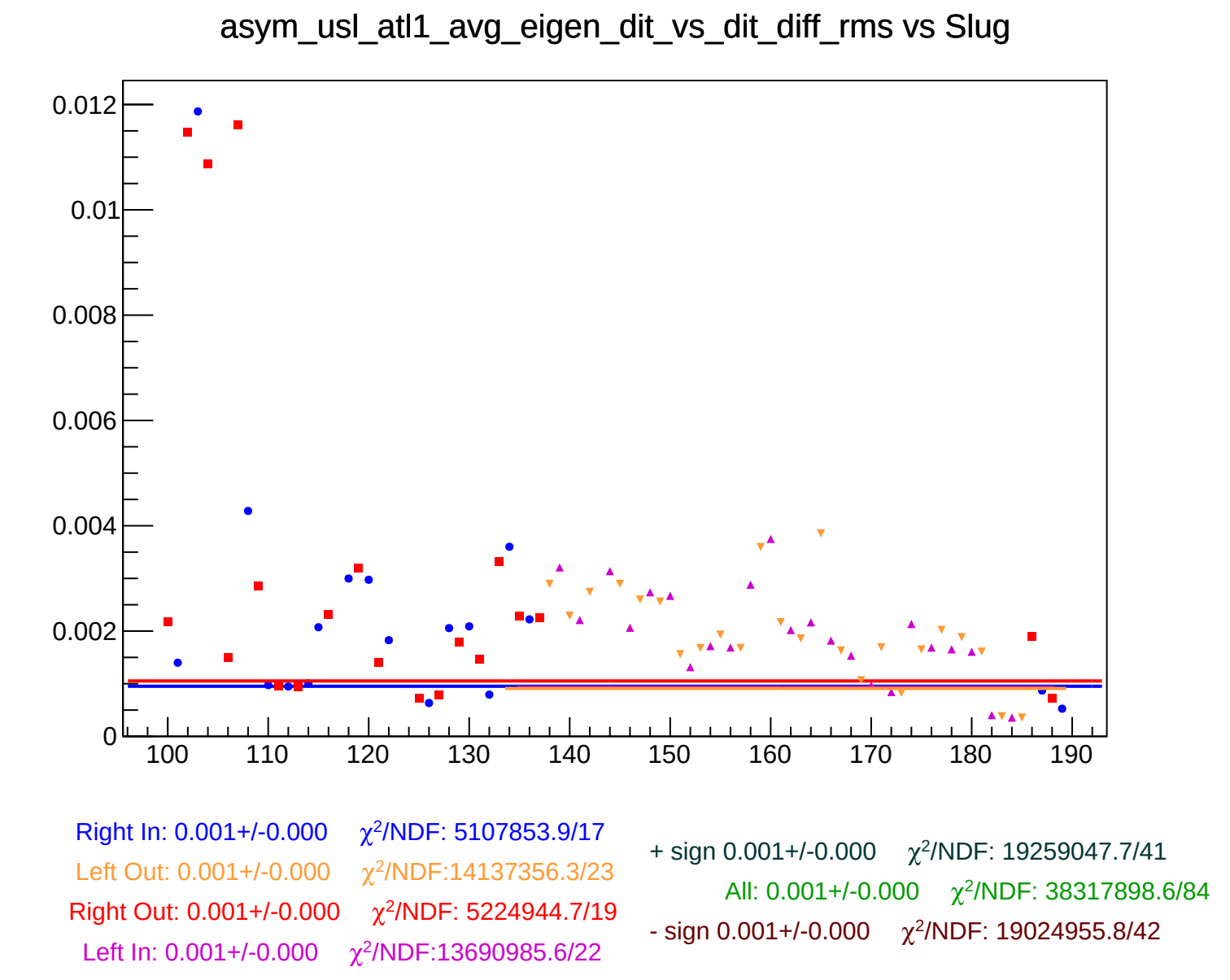
Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/19

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

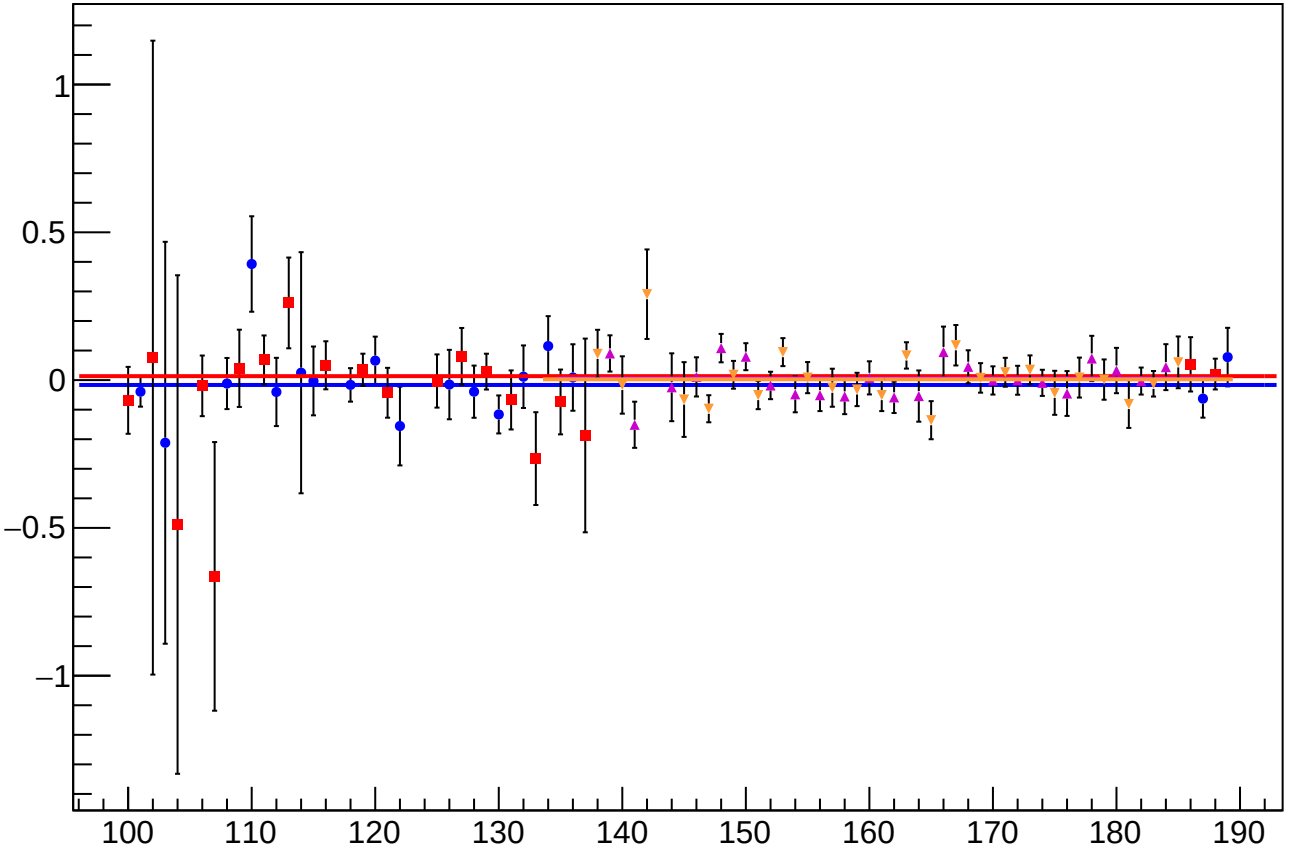
+ sign -0.000+/-0.000 χ^2/NDF: 71.4/41

All: -0.000+/-0.000 χ^2/NDF: 110.4/84

- sign 0.000+/-0.000 χ^2/NDF: 33.0/42


asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.012
0.01
0.008
0.006
0.004
0.002
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.001+/-0.000 χ²/NDF: 5107853.9/17
Left Out: 0.001+/-0.000 χ²/NDF:14137356.3/23
Right Out: 0.001+/-0.000 χ²/NDF: 5224944.7/19
Left In: 0.001+/-0.000 χ²/NDF:13690985.6/22
+ sign 0.001+/-0.000 χ²/NDF: 19259047.7/41
All: 0.001+/-0.000 χ²/NDF: 38317898.6/84
- sign 0.001+/-0.000 χ²/NDF: 19024955.8/42

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.016+/-0.021 χ^2/NDF: 14.6/17

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.013+/-0.021 χ^2/NDF: 12.7/19

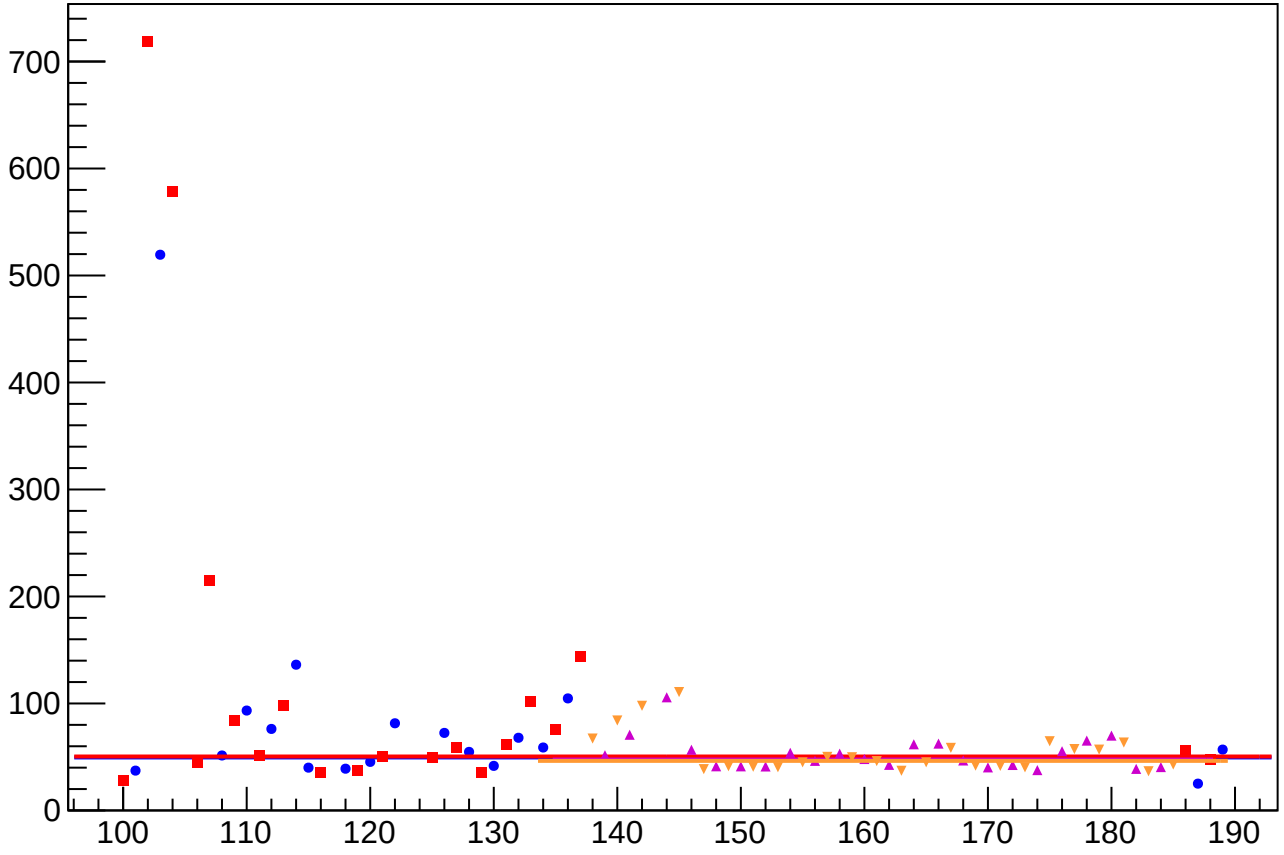
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.002+/-0.010 χ^2/NDF: 45.1/41

All: 0.003+/-0.007 χ^2/NDF: 80.0/84

- sign 0.008+/-0.010 χ^2/NDF: 34.4/42

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 49.543+/-0.015 χ^2/NDF: 2594650.3/17

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

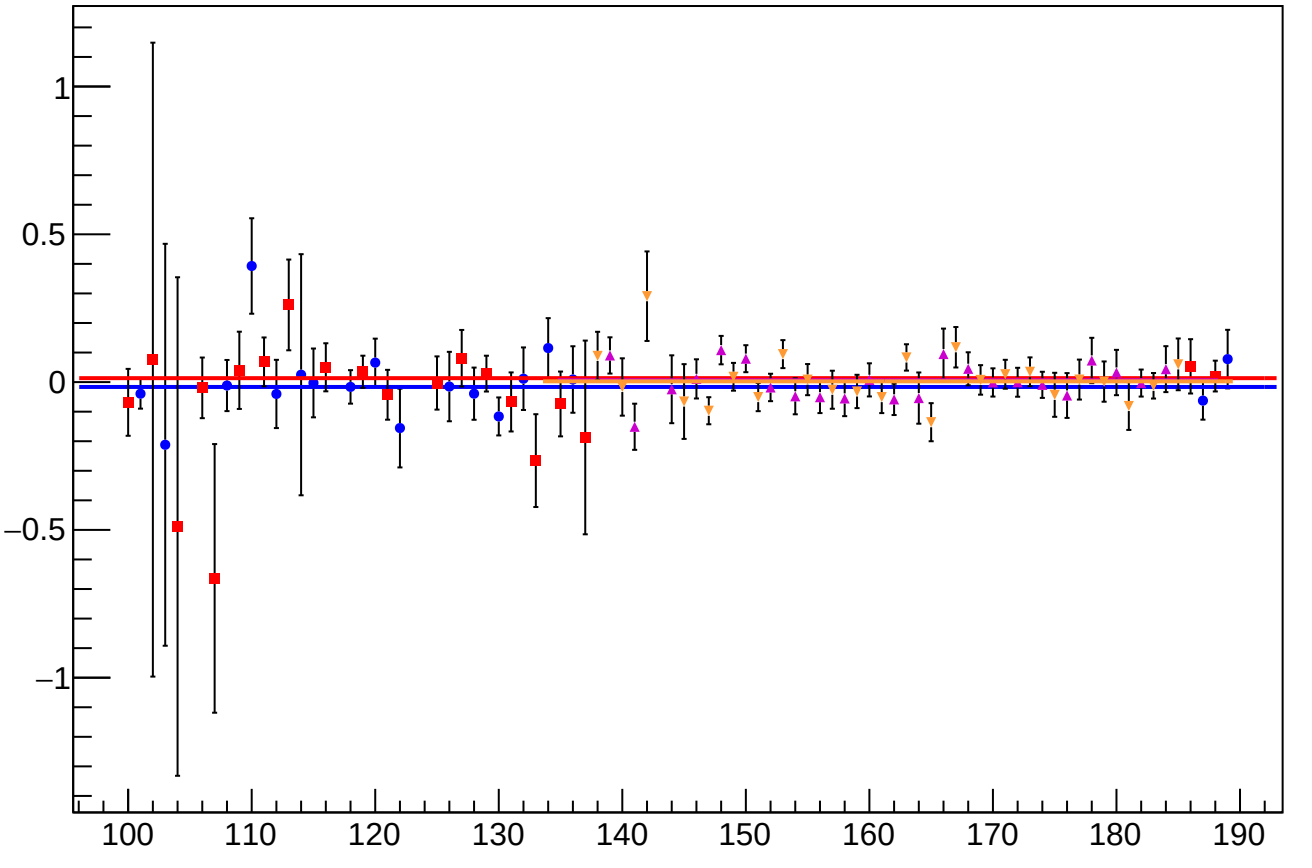
Right Out: 50.422+/-0.015 χ^2/NDF: 3062705.1/19

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

+ sign 47.135+/-0.007 χ^2/NDF: 4597630.3/41

All: 47.704+/-0.005 χ^2/NDF: 9276562.9/84

- sign 48.291+/-0.007 χ^2/NDF: 4666613.8/42



Right In: -0.016+/-0.021 χ^2/NDF: 14.6/17

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

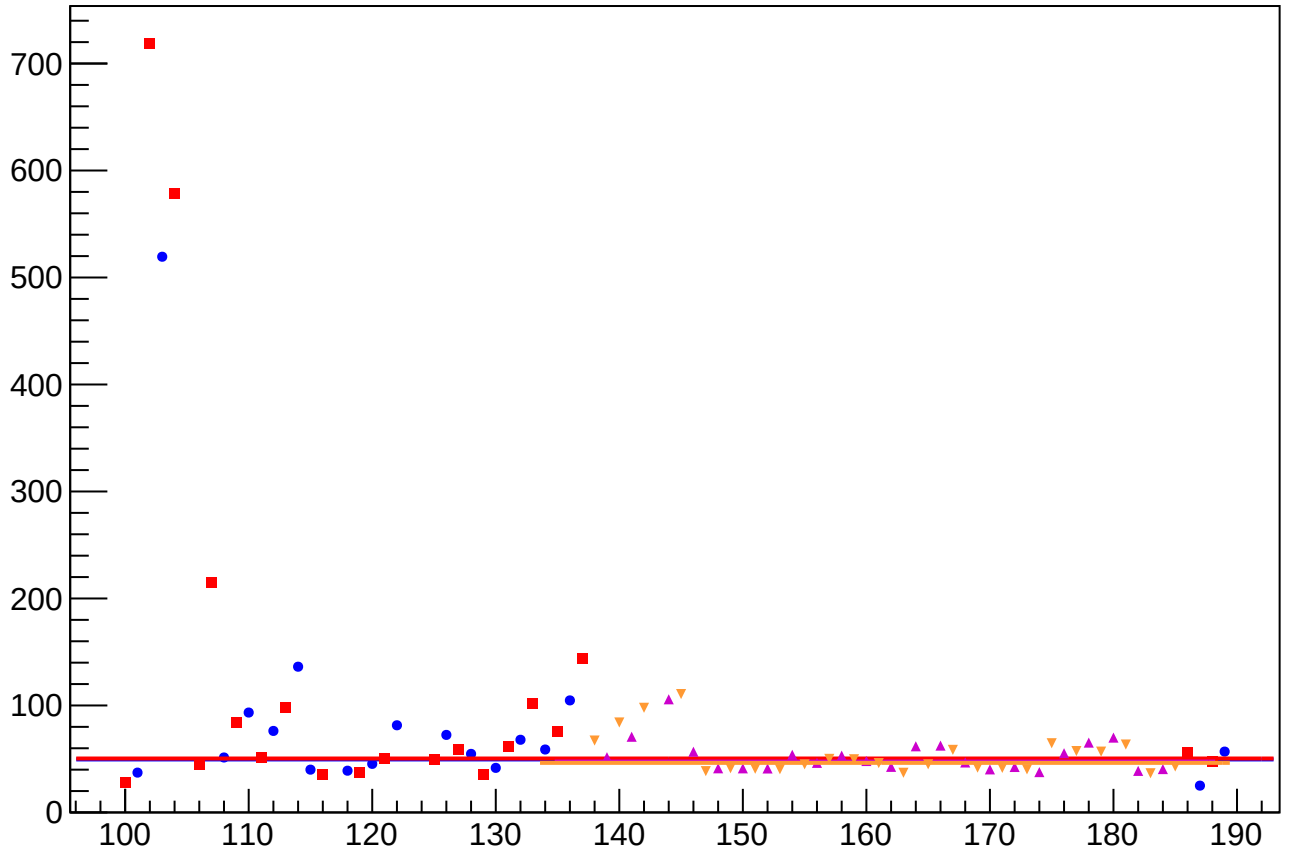
Right Out: 0.013+/-0.021 χ^2/NDF: 12.7/19

Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.002+/-0.010 χ^2/NDF: 45.1/41

All: 0.003+/-0.007 χ^2/NDF: 80.0/84

- sign 0.008+/-0.010 χ^2/NDF: 34.4/42



Right In: 49.543+/-0.015 χ^2/NDF: 2594650.3/17

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

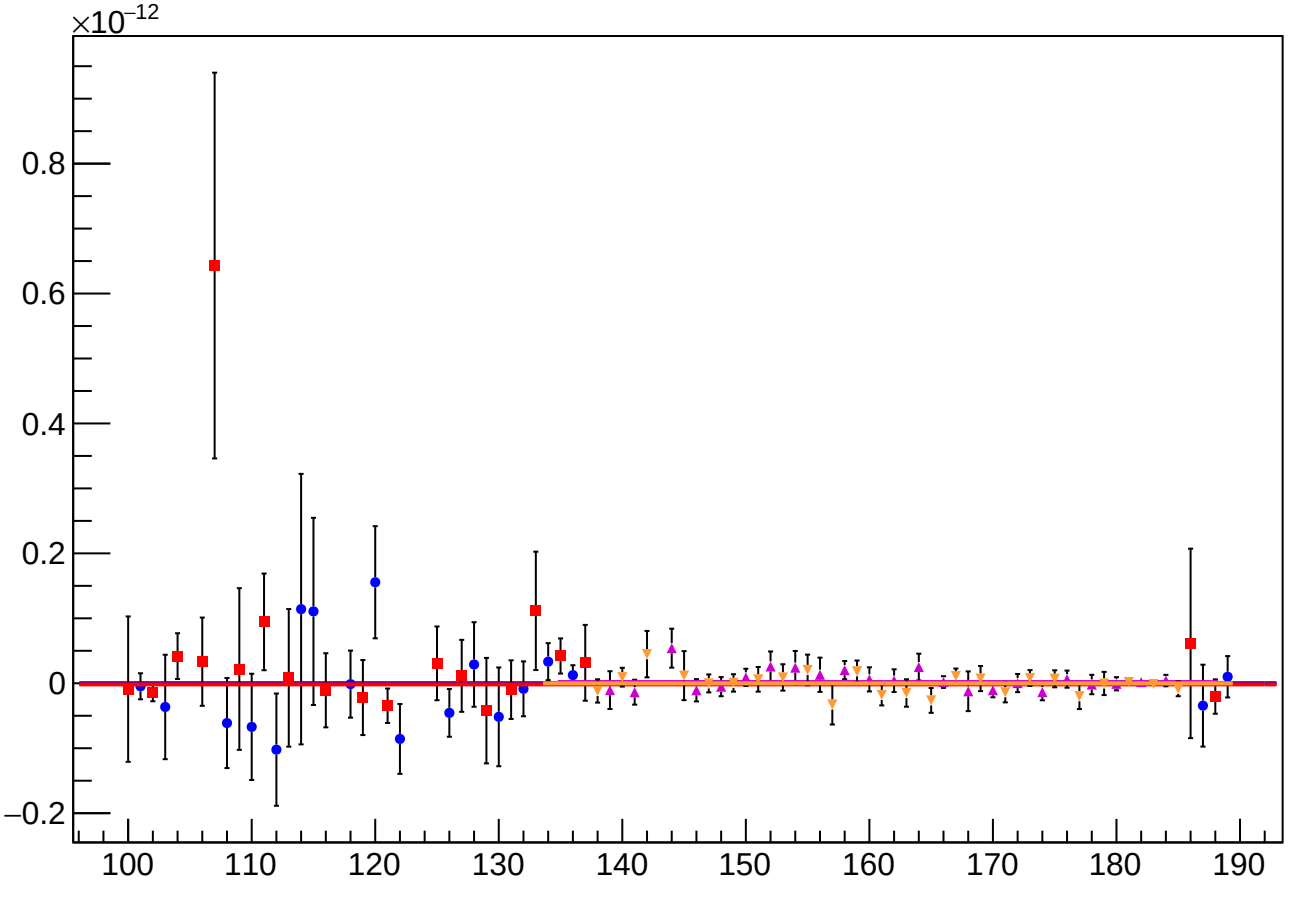
Right Out: 50.422+/-0.015 χ^2/NDF: 3062705.1/19

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

\+ sign 47.135+/-0.007 χ^2/NDF: 4597630.3/41

All: 47.704+/-0.005 χ^2/NDF: 9276562.9/84

\- sign 48.291+/-0.007 χ^2/NDF: 4666613.8/42



Right In: 0.000+/-0.000 χ^2/NDF: 14.5/17

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/23

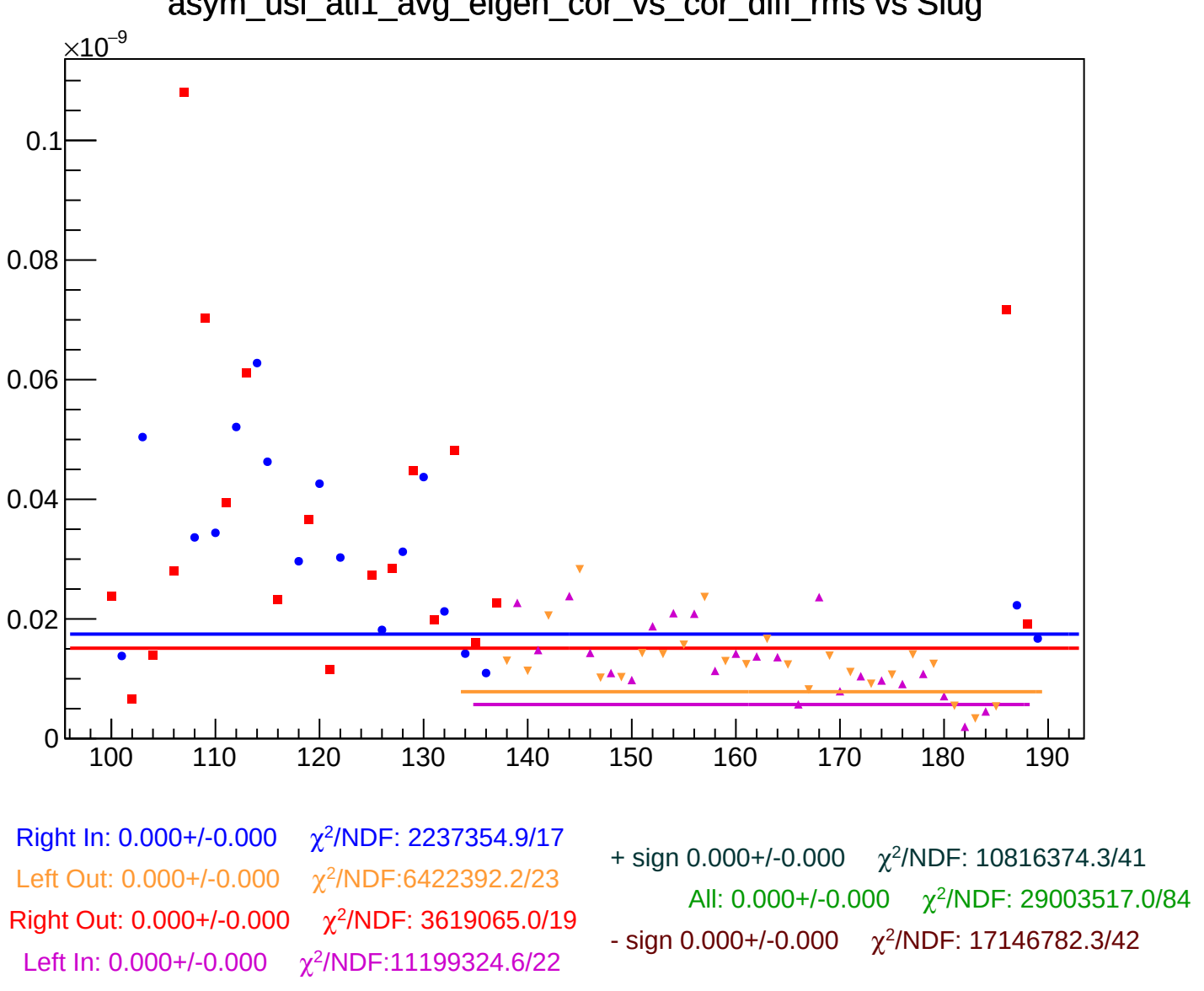
Right Out: -0.000+/-0.000 χ^2/NDF: 16.8/19

Left In: 0.000+/-0.000 χ^2/NDF:13.4/22

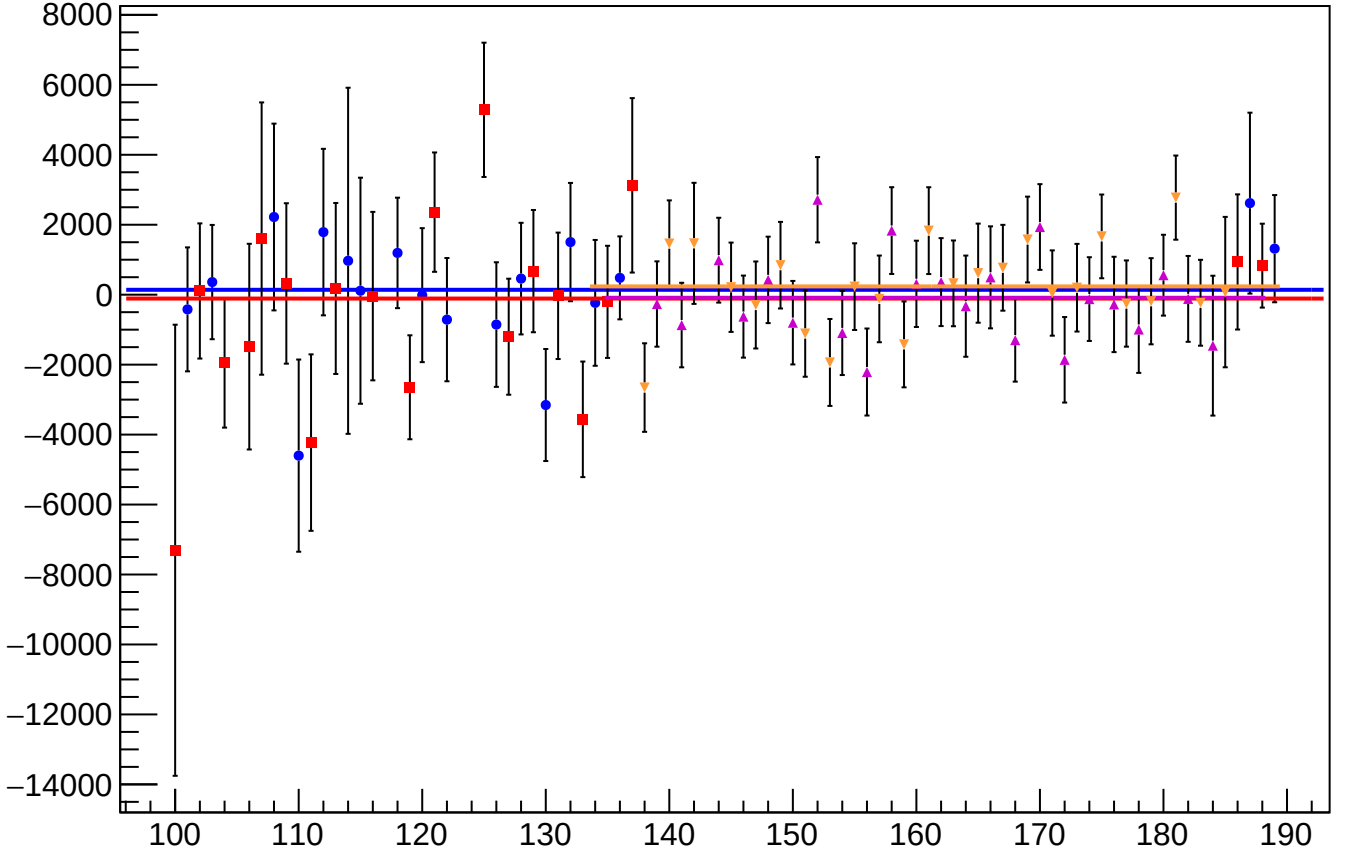
\+ sign -0.000+/-0.000 χ^2/NDF: 28.3/41

All: 0.000+/-0.000 χ^2/NDF: 58.9/84

\- sign 0.000+/-0.000 χ^2/NDF: 30.3/42


asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2237354.9/17
Left Out: 0.000+/-0.000 χ²/NDF:6422392.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 3619065.0/19
Left In: 0.000+/-0.000 χ²/NDF:11199324.6/22
+ sign 0.000+/-0.000 χ²/NDF: 10816374.3/41
All: 0.000+/-0.000 χ²/NDF: 29003517.0/84
- sign 0.000+/-0.000 χ²/NDF: 17146782.3/42

reg_asym_usl_atl1_dd_mean vs Slug



Right In: 140.043+/-433.666 χ^2/NDF: 11.8/17

Left Out: 236.601+/-259.669 χ^2/NDF:22.7/23

Right Out: -110.486+/-430.481 χ^2/NDF: 25.9/19

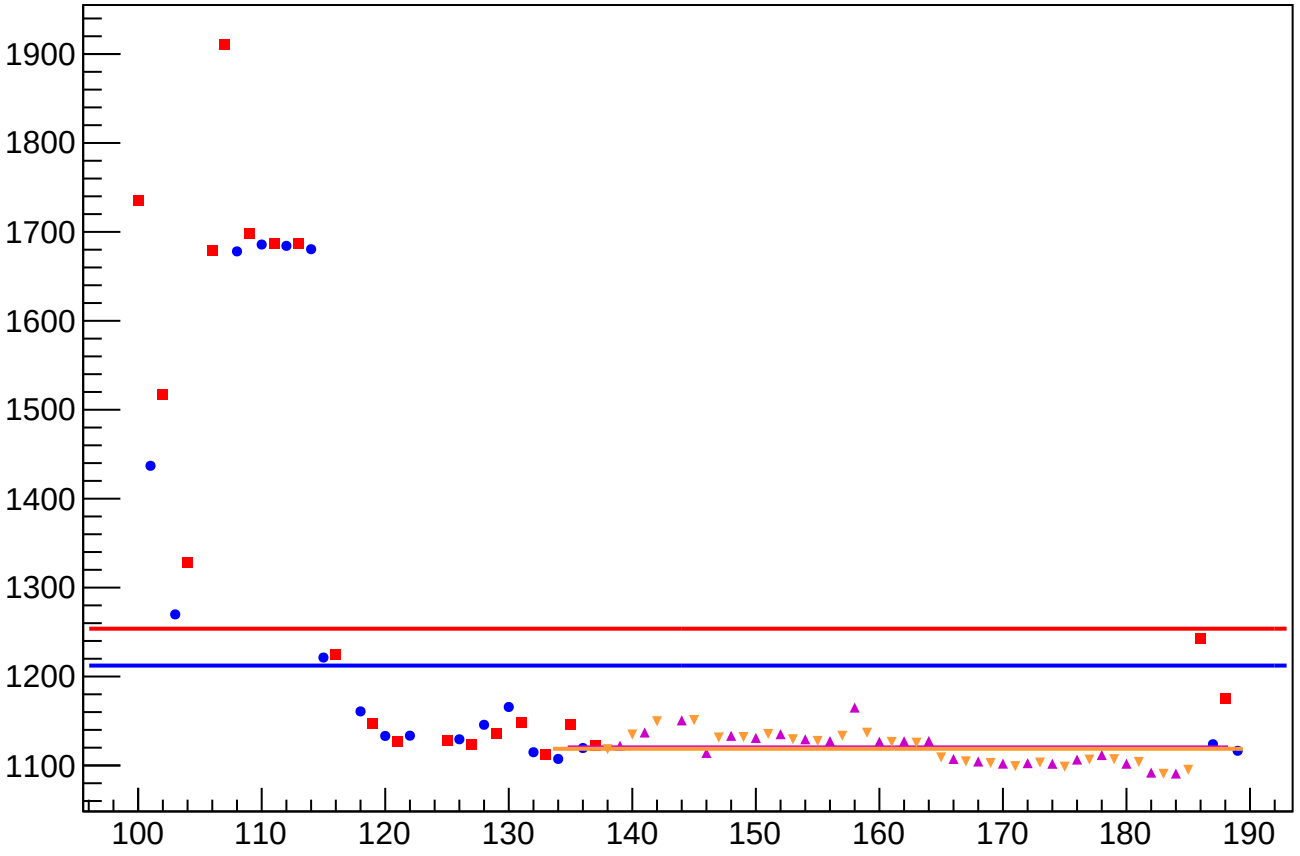
Left In: -88.380+/-261.602 χ^2/NDF:20.9/22

+ sign 211.118+/-222.784 χ^2/NDF: 34.5/41

All: 58.918+/-157.806 χ^2/NDF: 82.2/84

- sign -94.342+/-223.559 χ^2/NDF: 46.8/42

reg_asym_usl_atl1_dd_rms vs Slug



Right In: 1212.311+/-0.307 χ^2/NDF: 306356.3/17

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1253.789+/-0.304 χ^2/NDF: 443012.8/19

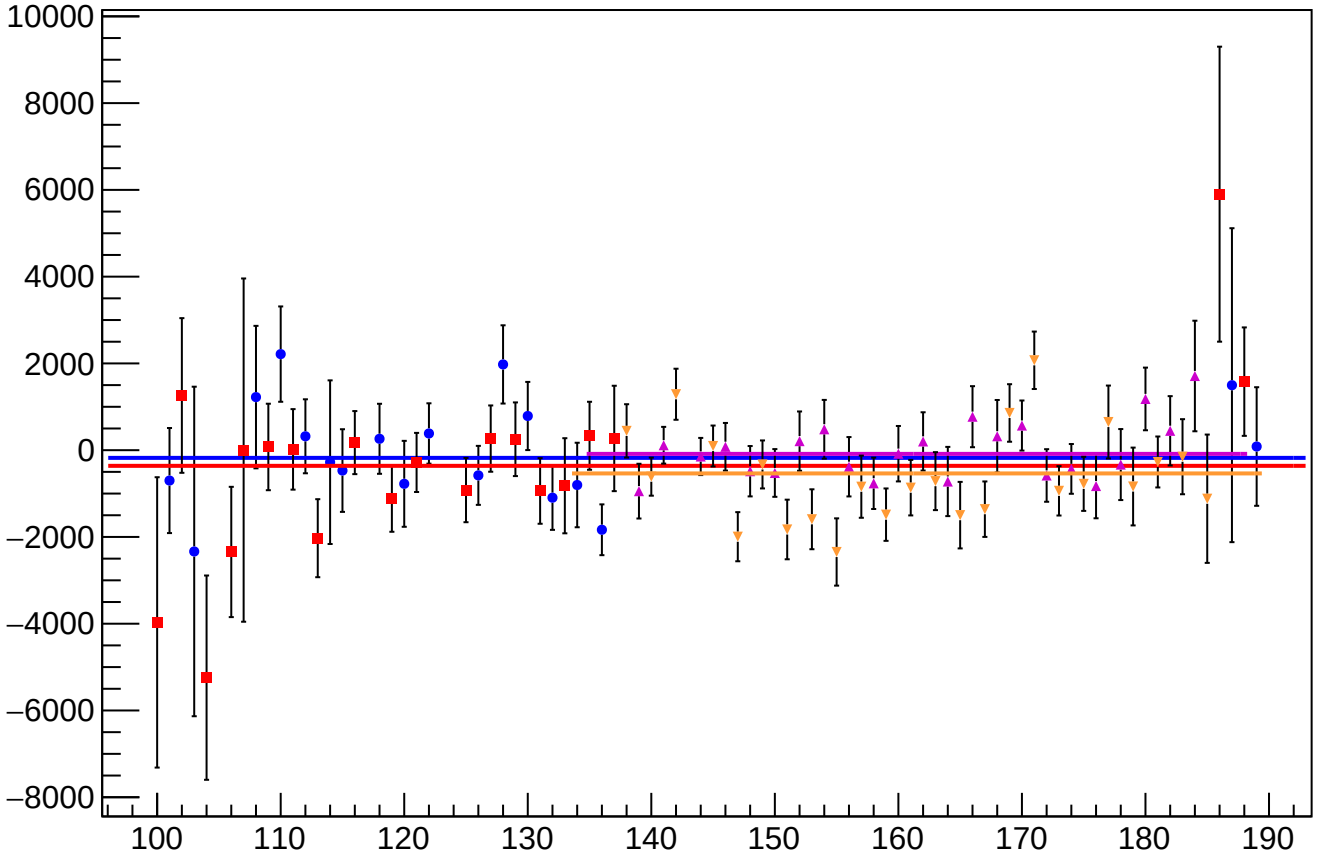
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1143.430+/-0.158 χ^2/NDF: 383109.8/41

All: 1149.846+/-0.112 χ^2/NDF: 979362.3/84

- sign 1156.308+/-0.158 χ^2/NDF: 592922.6/42

asym_usl_atl1_dd_reg_correction_mean vs Slug



Right In: -177.316+/-219.559 χ^2/NDF: 25.5/17

Left Out: -535.899+/-130.646 χ^2/NDF:61.6/23

Right Out: -360.960+/-219.269 χ^2/NDF: 22.8/19

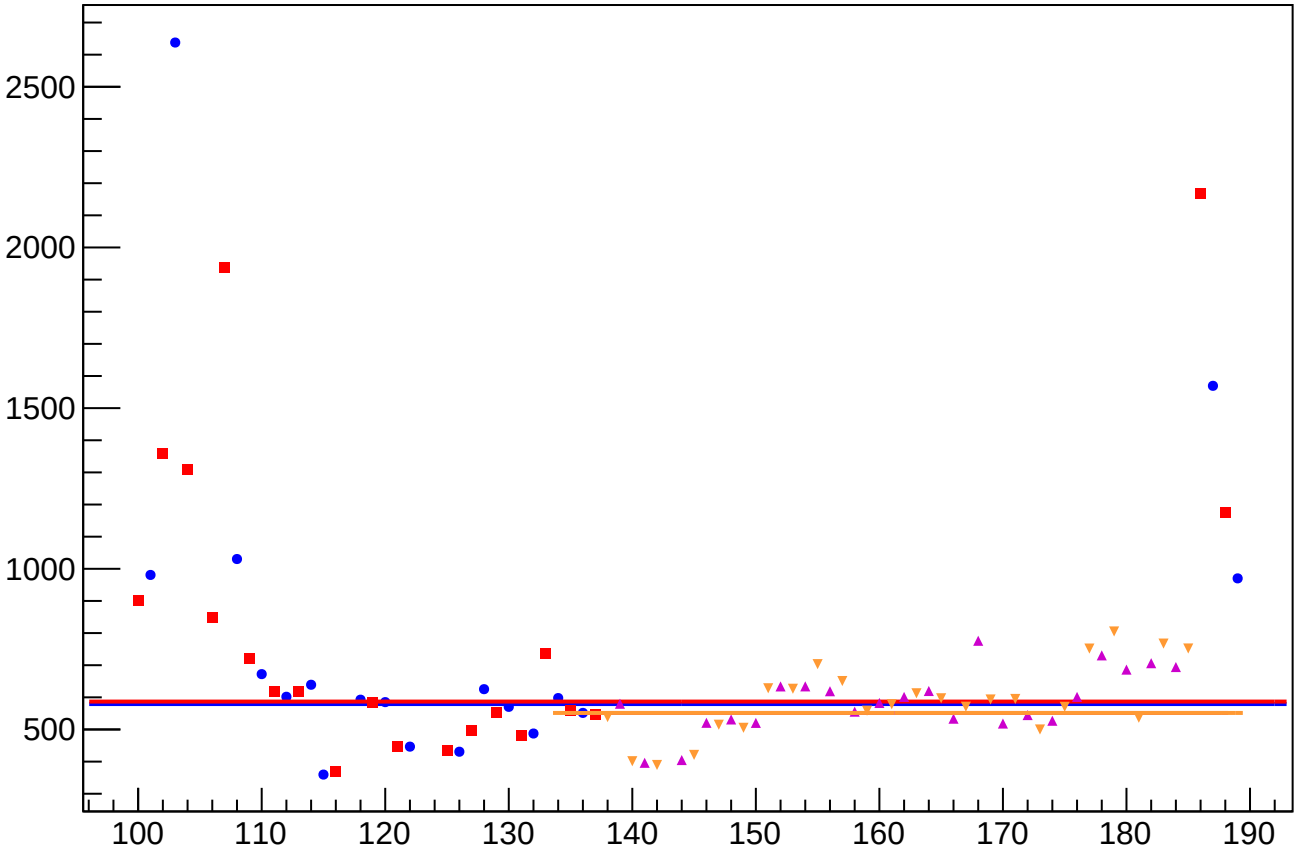
Left In: -85.254+/-130.966 χ^2/NDF:17.1/22

+ sign -442.134+/-112.273 χ^2/NDF: 89.0/41

All: -300.149+/-79.447 χ^2/NDF: 133.3/84

- sign -157.749+/-112.437 χ^2/NDF: 41.1/42

asym_usl_atl1_dd_reg_correction_rms vs Slug



Right In: 579.116+/-0.155 χ^2/NDF: 1606156.9/17

Left Out: 551.440+/-0.092 χ^2/NDF:1226616.4/23

Right Out: 586.817+/-0.155 χ^2/NDF: 2254250.1/19

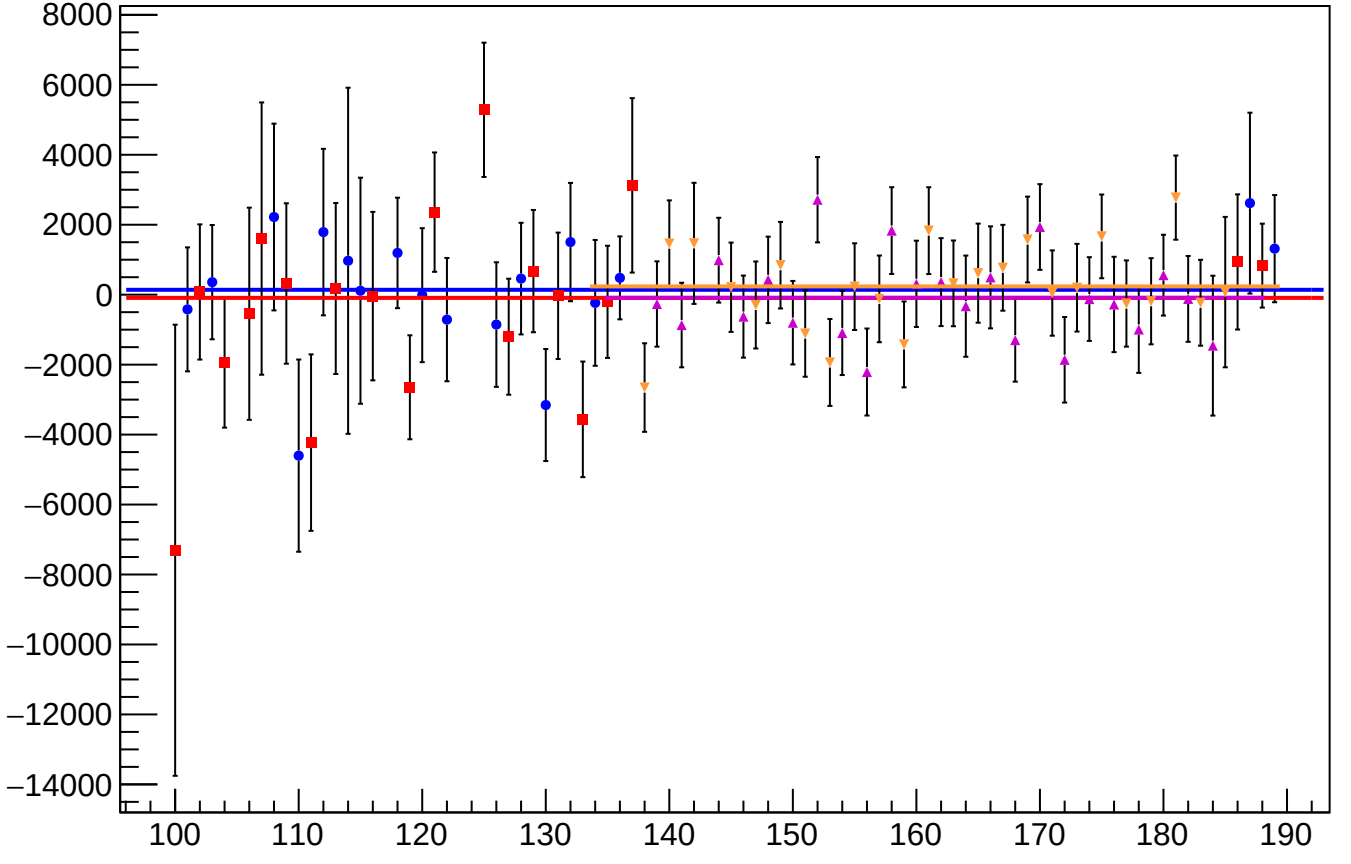
Left In: 551.336+/-0.093 χ^2/NDF:1061764.2/22

\+ sign 558.677+/-0.079 χ^2/NDF: 2856241.9/41

All: 559.670+/-0.056 χ^2/NDF: 6211166.8/84

\- sign 560.666+/-0.080 χ^2/NDF: 3354611.6/42

cor_asym_usl_atl1_dd_mean vs Slug



Right In: 139.830+/-433.666 χ^2/NDF: 11.8/17

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: -91.260+/-430.761 χ^2/NDF: 25.7/19

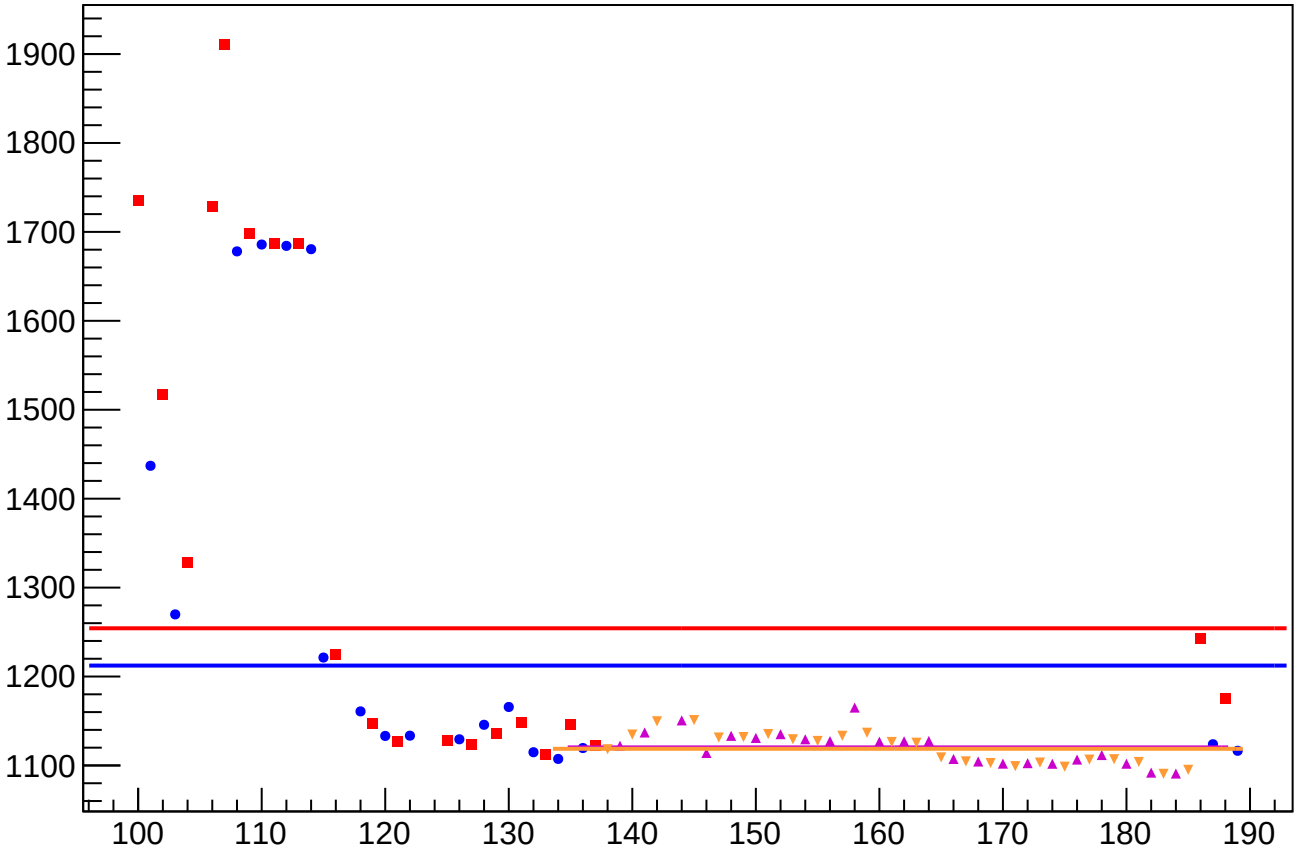
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 211.092+/-222.784 χ^2/NDF: 34.5/41

All: 61.519+/-157.819 χ^2/NDF: 82.0/84

- sign -89.149+/-223.598 χ^2/NDF: 46.6/42

cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1212.311+/-0.307 χ^2/NDF: 306356.3/17

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1254.251+/-0.305 χ^2/NDF: 450282.4/19

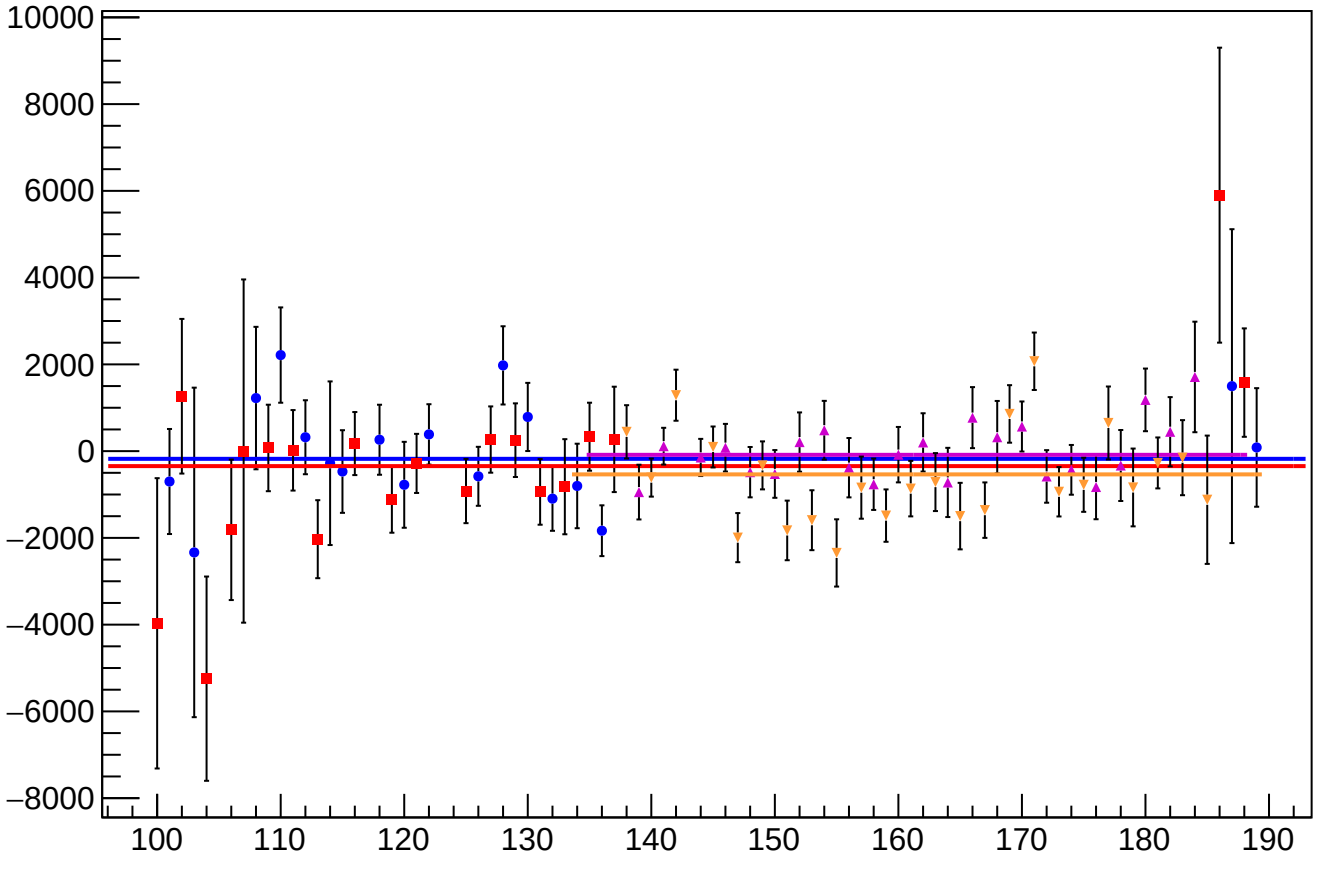
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1143.430+/-0.158 χ^2/NDF: 383109.9/41

All: 1149.890+/-0.112 χ^2/NDF: 987518.6/84

- sign 1156.398+/-0.158 χ^2/NDF: 601032.5/42

asym_usl_atl1_dd_cor_correction_mean vs Slug



Right In: -177.318+/-219.557 χ^2/NDF: 25.5/17

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

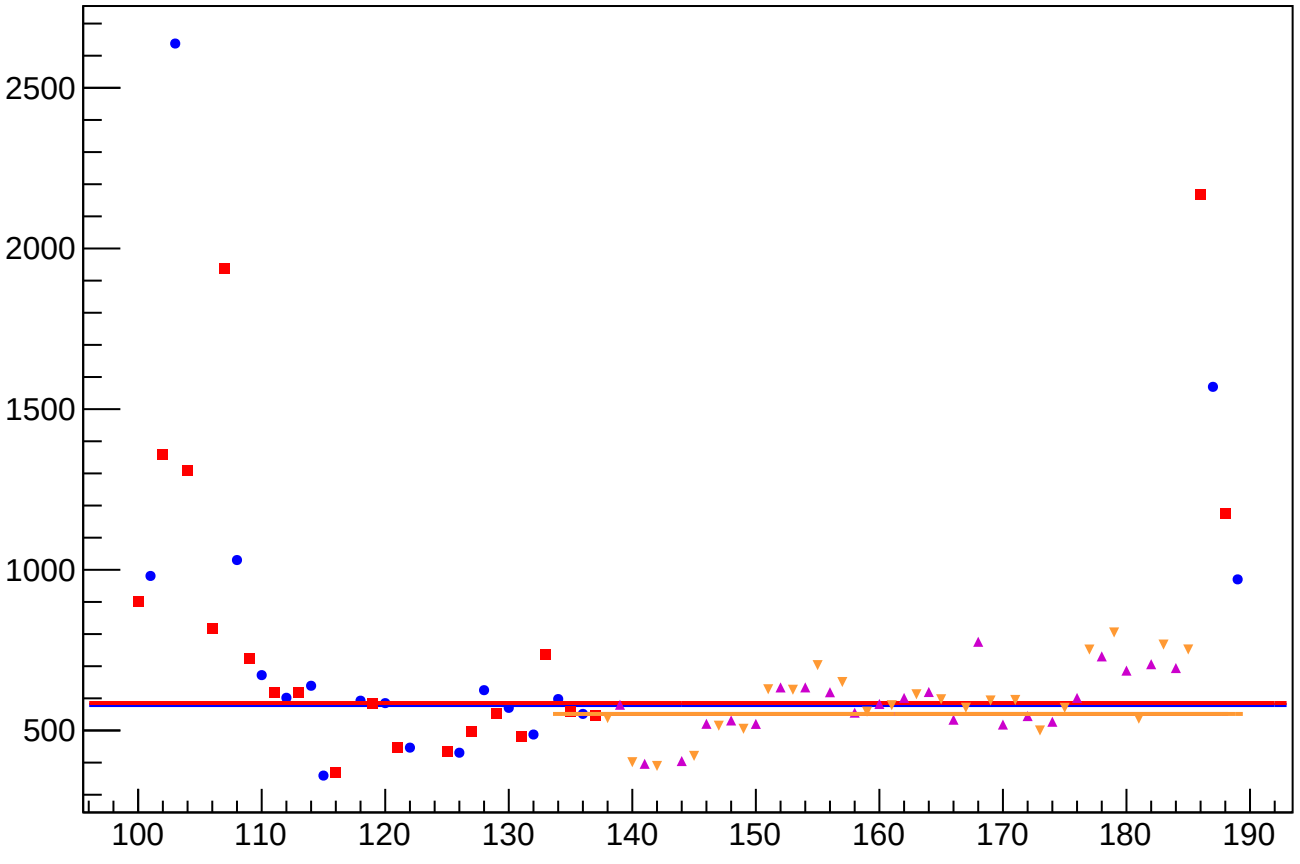
Right Out: -345.282+/-219.595 χ^2/NDF: 21.8/19

Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

+ sign -442.156+/-112.273 χ^2/NDF: 89.0/41

All: -298.079+/-79.462 χ^2/NDF: 132.4/84

- sign -153.468+/-112.481 χ^2/NDF: 40.0/42



Right In: 579.111+/-0.155 χ^2/NDF: 1606137.8/17

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 585.459+/-0.155 χ^2/NDF: 2234340.2/19

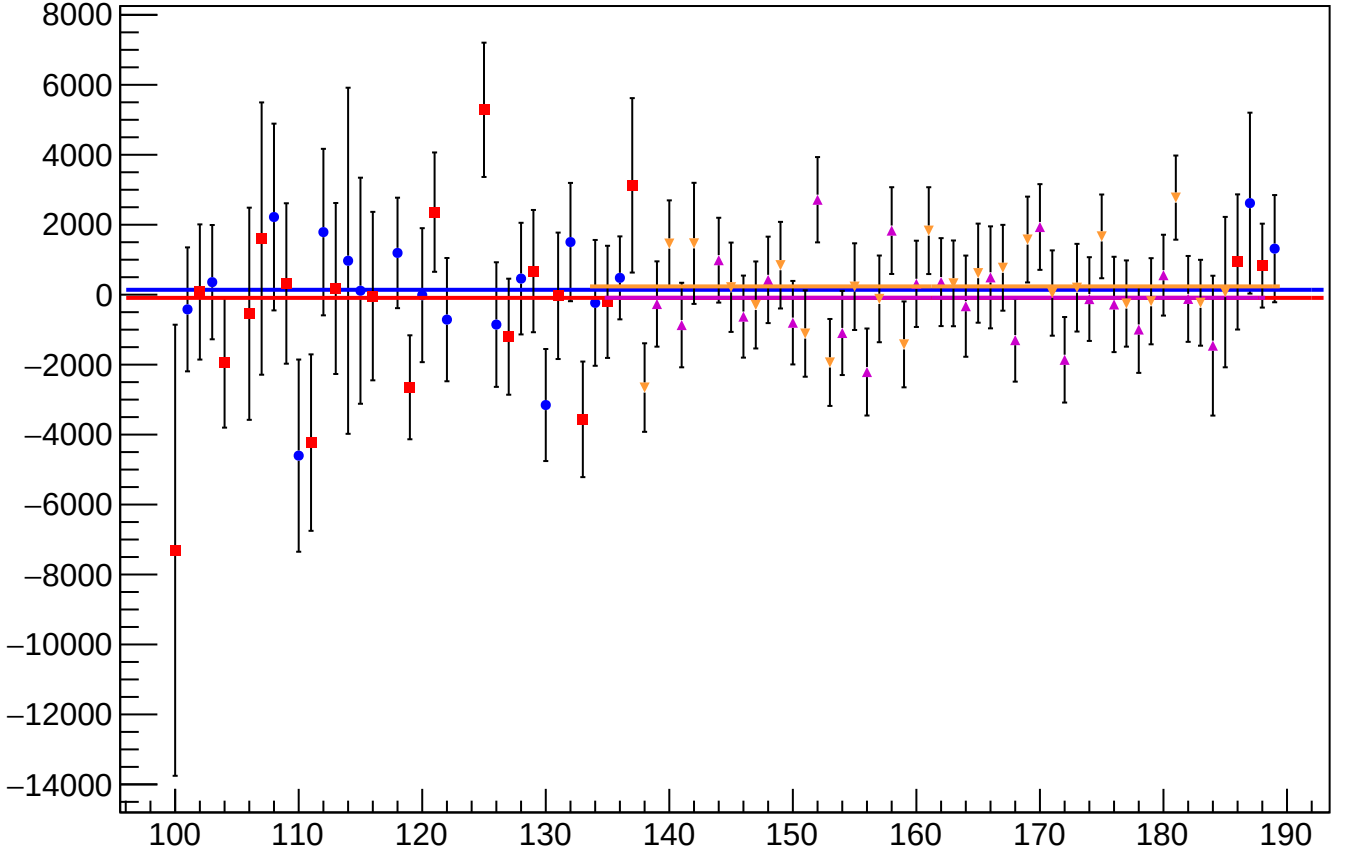
Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

+ sign 558.675+/-0.079 χ^2/NDF: 2856232.0/41

All: 559.480+/-0.056 χ^2/NDF: 6188133.9/84

- sign 560.288+/-0.080 χ^2/NDF: 3331695.9/42

eigen_cor_asym_usl_atl1_dd_mean vs Slug



Right In: 139.830+/-433.666 χ^2/NDF: 11.8/17

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: -91.260+/-430.761 χ^2/NDF: 25.7/19

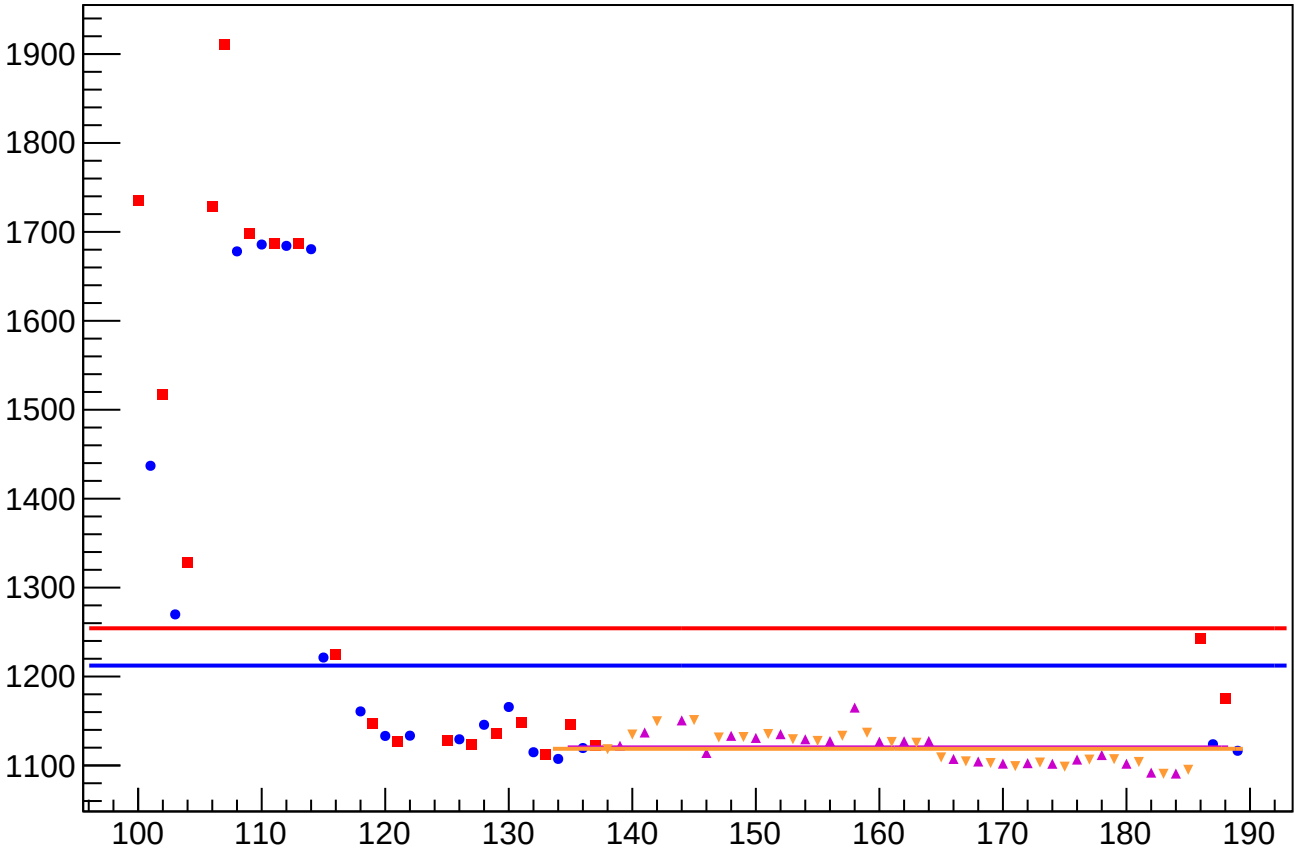
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 211.092+/-222.784 χ^2/NDF: 34.5/41

All: 61.519+/-157.819 χ^2/NDF: 82.0/84

- sign -89.149+/-223.598 χ^2/NDF: 46.6/42

eigen_cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1212.311+/-0.307 χ^2/NDF: 306356.3/17

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

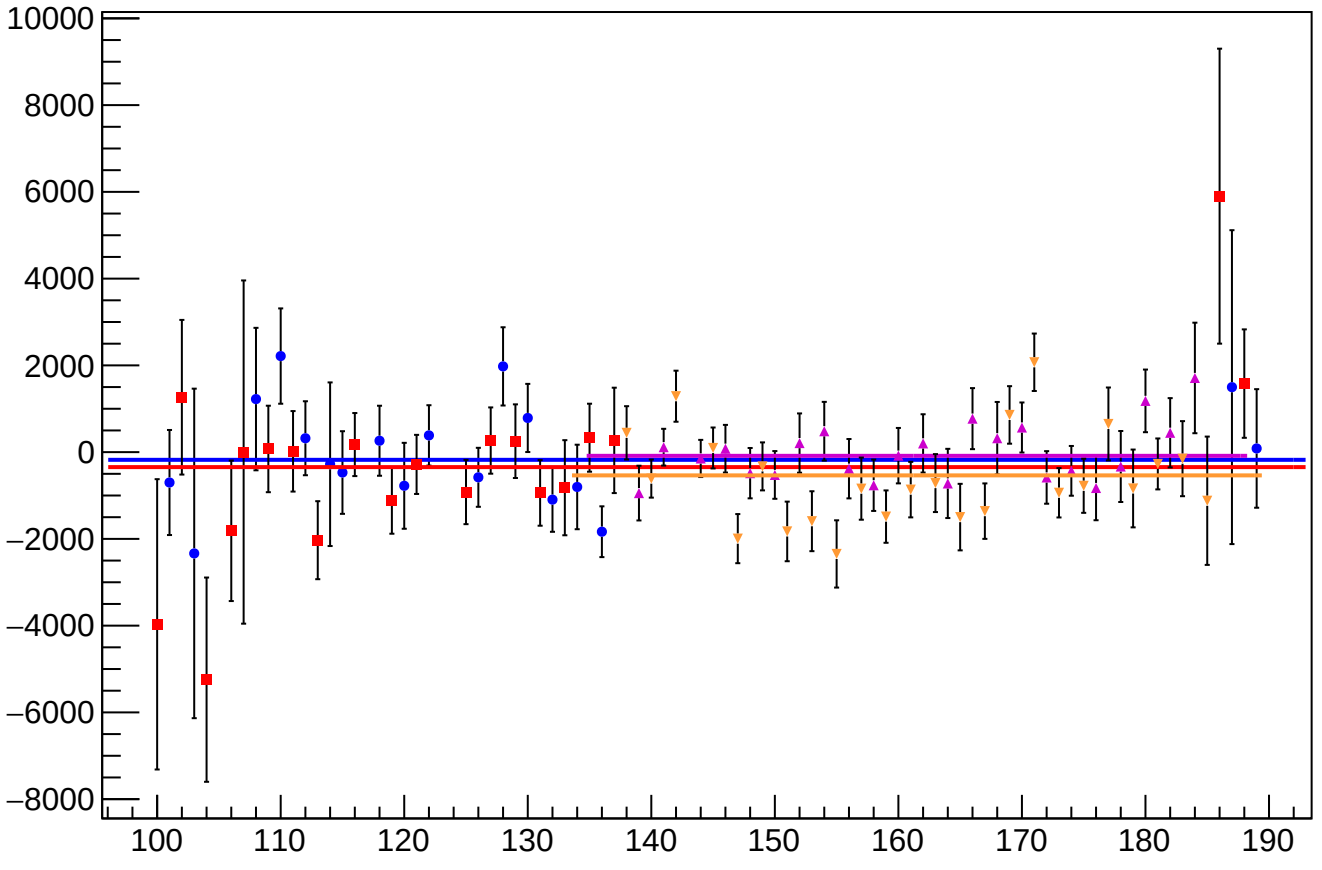
Right Out: 1254.251+/-0.305 χ^2/NDF: 450282.4/19

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1143.430+/-0.158 χ^2/NDF: 383109.9/41

All: 1149.890+/-0.112 χ^2/NDF: 987518.6/84

- sign 1156.398+/-0.158 χ^2/NDF: 601032.5/42



Right In: -177.318+/-219.557 χ^2/NDF: 25.5/17

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

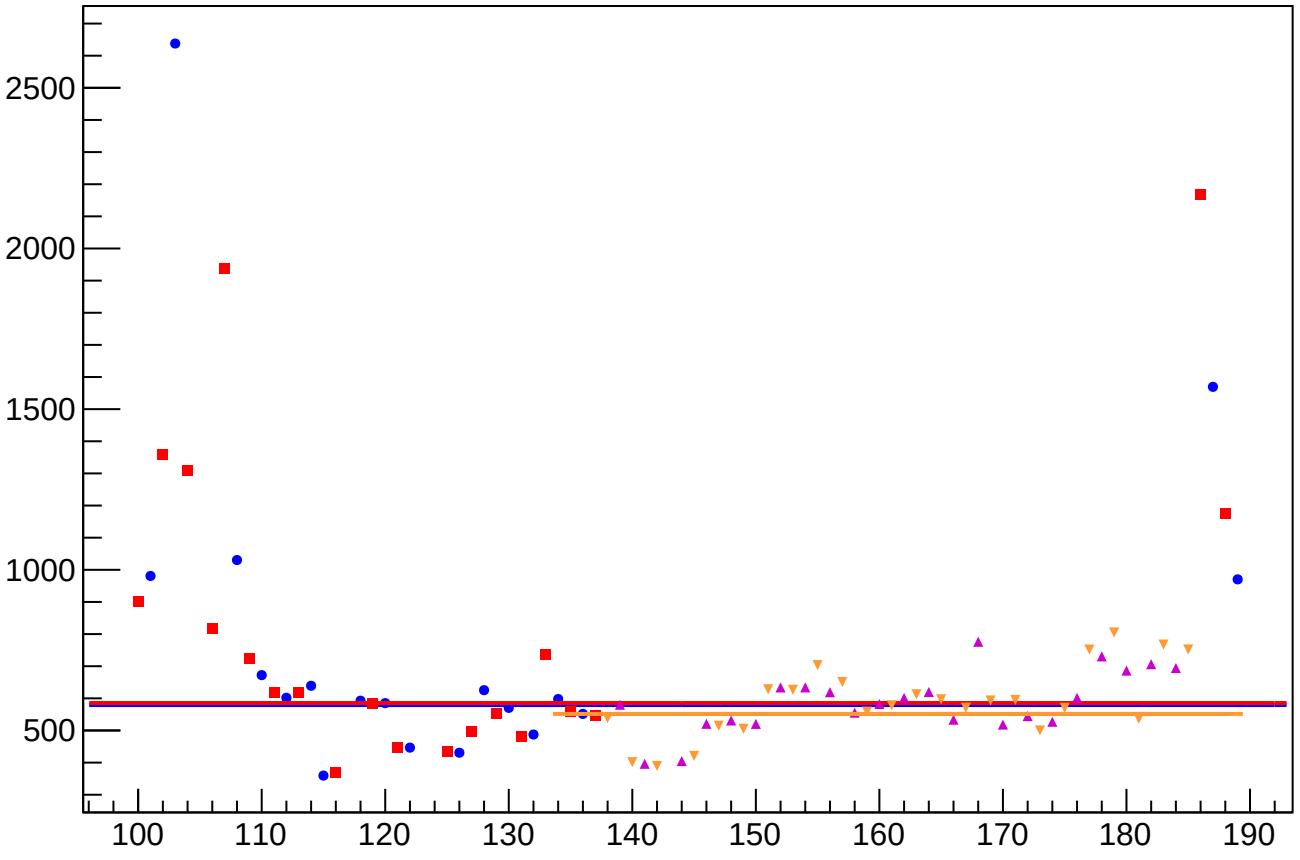
Right Out: -345.282+/-219.595 χ^2/NDF: 21.8/19

Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

+ sign -442.156+/-112.273 χ^2/NDF: 89.0/41

All: -298.079+/-79.462 χ^2/NDF: 132.4/84

- sign -153.468+/-112.481 χ^2/NDF: 40.0/42



Right In: 579.111+/-0.155 χ^2/NDF: 1606137.8/17

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

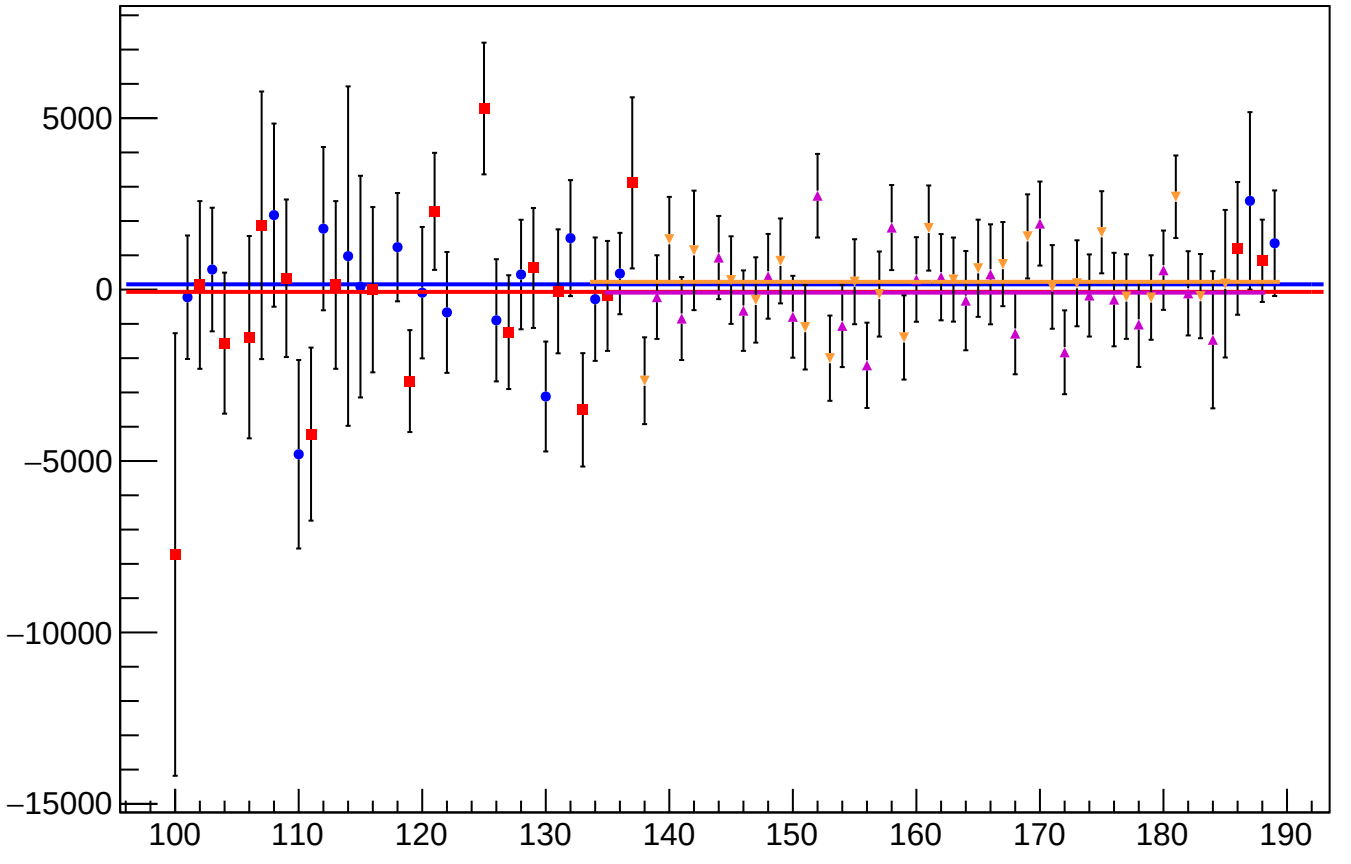
Right Out: 585.459+/-0.155 χ^2/NDF: 2234340.2/19

Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

+ sign 558.675+/-0.079 χ^2/NDF: 2856232.0/41

All: 559.480+/-0.056 χ^2/NDF: 6188133.9/84

- sign 560.288+/-0.080 χ^2/NDF: 3331695.9/42



Right In: 153.408+/-437.209 χ^2/NDF: 11.9/17

Left Out: 225.663+/-259.829 χ^2/NDF:22.2/23

Right Out: -66.814+/-437.151 χ^2/NDF: 25.5/19

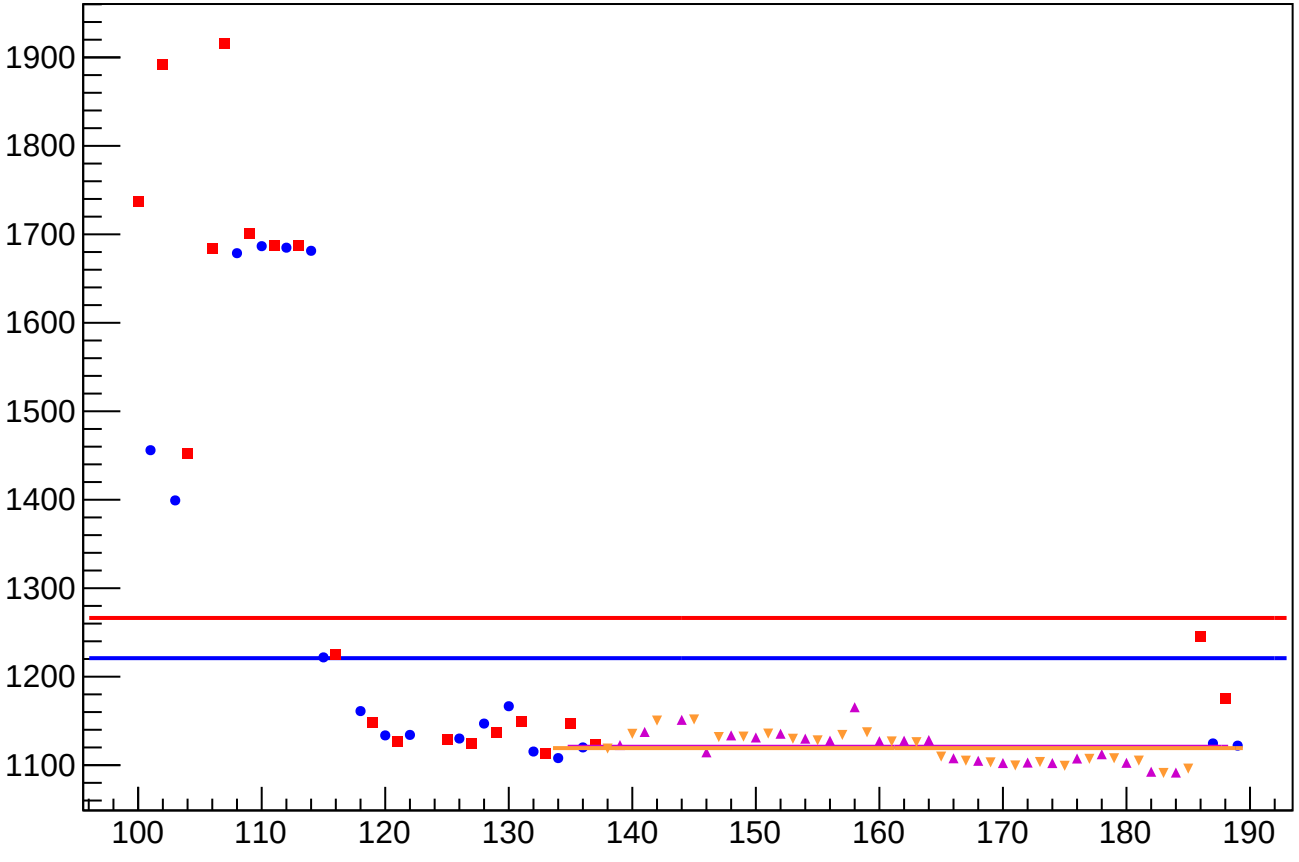
Left In: -89.078+/-261.717 χ^2/NDF:20.6/22

+ sign 206.805+/-223.362 χ^2/NDF: 34.1/41

All: 62.570+/-158.359 χ^2/NDF: 81.0/84

- sign -83.204+/-224.550 χ^2/NDF: 46.0/42

dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1220.931+/-0.309 χ^2/NDF: 327840.7/17

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1266.372+/-0.309 χ^2/NDF: 557211.7/19

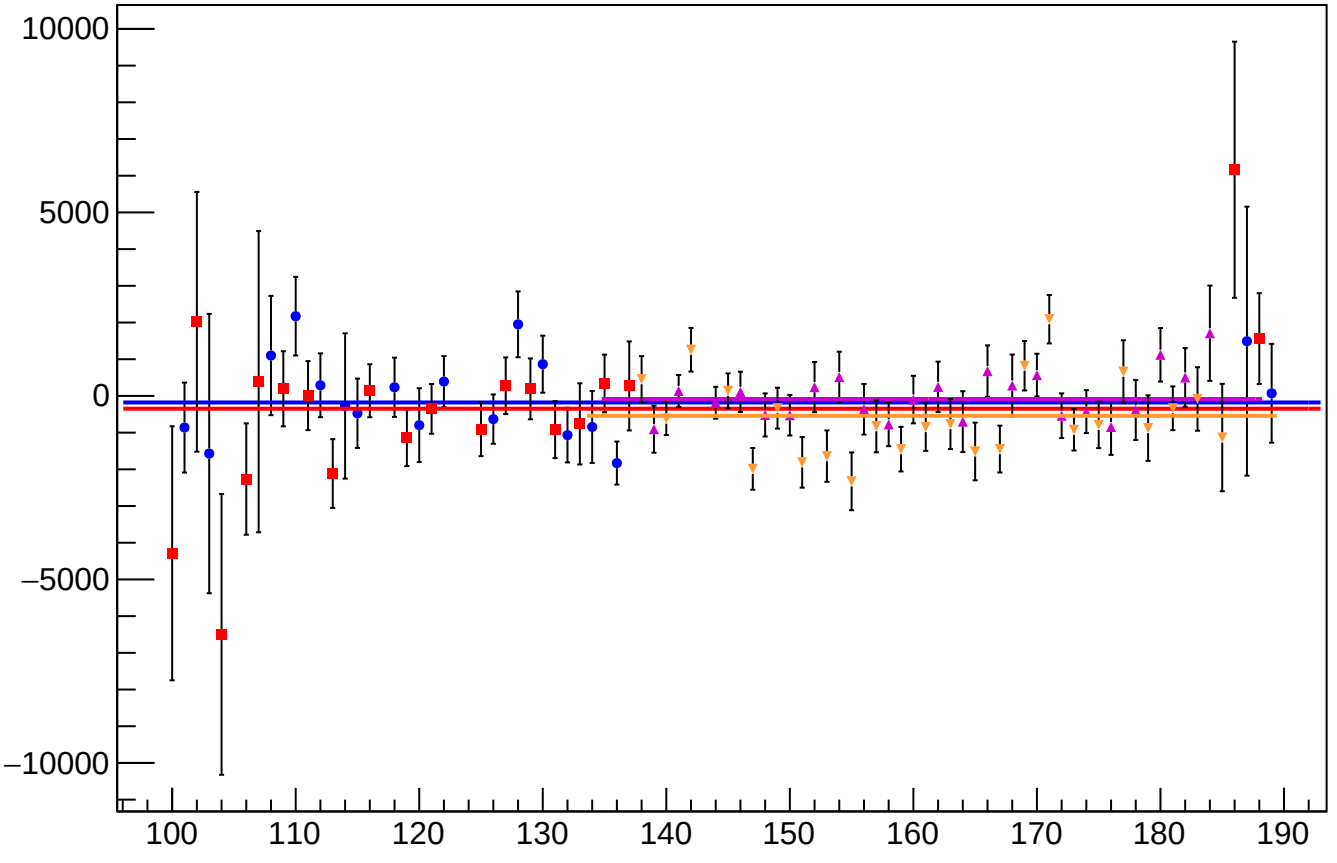
Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

+ sign 1145.795+/-0.158 χ^2/NDF: 415913.2/41

All: 1152.467+/-0.112 χ^2/NDF: 1149401.8/84

- sign 1159.210+/-0.159 χ^2/NDF: 729900.4/42

asym_usl_atl1_dd_dit_correction_mean vs Slug



Right In: -178.516+/-219.388 χ^2/NDF: 25.5/17

Left Out: -541.592+/-132.012 χ^2/NDF:60.9/23

Right Out: -348.051+/-222.440 χ^2/NDF: 20.7/19

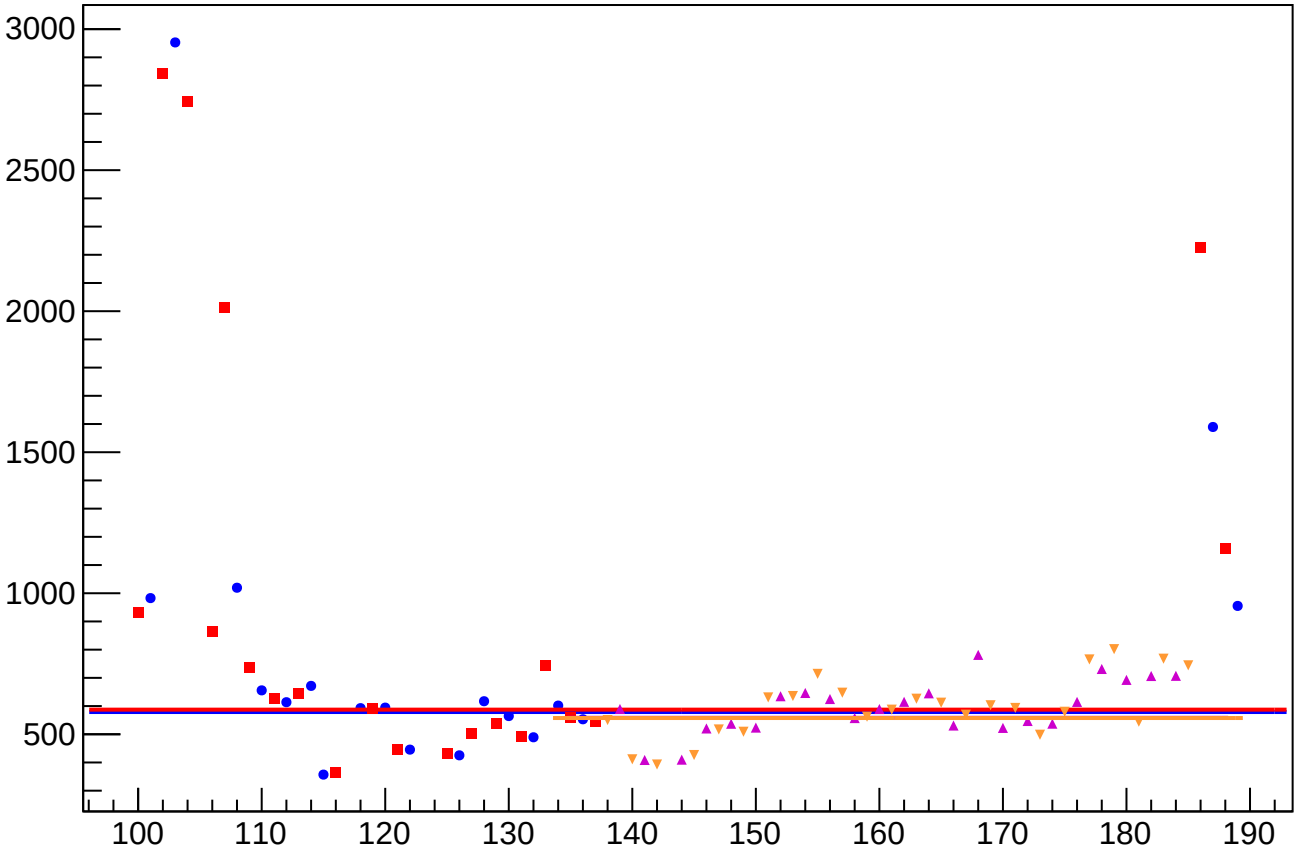
Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

+ sign -445.078+/-113.113 χ^2/NDF: 88.4/41

All: -300.146+/-80.248 χ^2/NDF: 129.8/84

- sign -153.280+/-113.865 χ^2/NDF: 38.1/42

asym_usl_atl1_dd_dit_correction_rms vs Slug



Right In: 578.879+/-0.155 χ^2/NDF: 1796138.1/17

Left Out: 557.592+/-0.093 χ^2/NDF:1193270.2/23

Right Out: 587.326+/-0.157 χ^2/NDF: 3166537.3/19

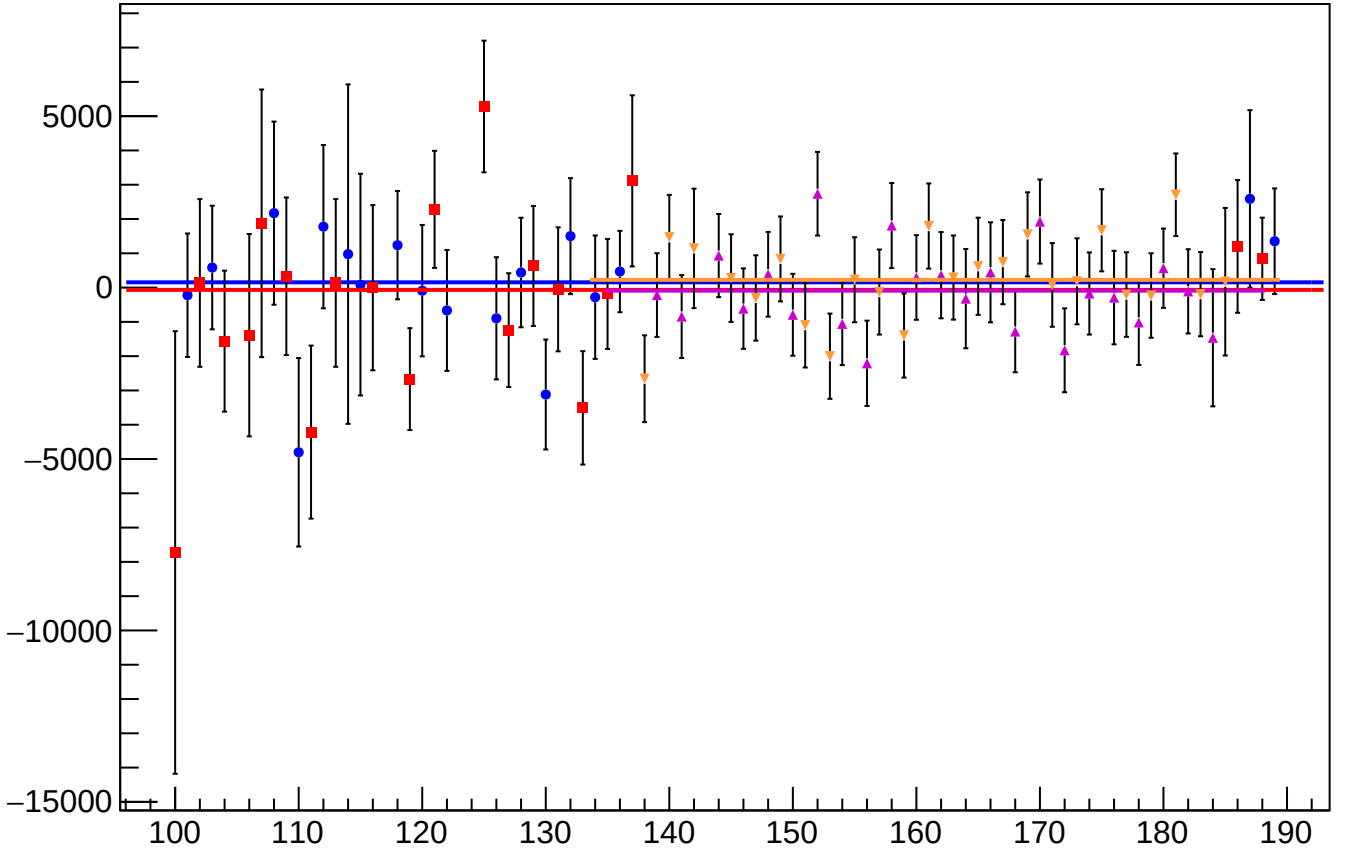
Left In: 558.393+/-0.094 χ^2/NDF:1027814.4/22

+ sign 563.250+/-0.080 χ^2/NDF: 3003232.4/41

All: 564.603+/-0.057 χ^2/NDF: 7223130.3/84

- sign 565.974+/-0.081 χ^2/NDF: 4219321.8/42

eigen_dit_asym_usl_atl1_dd_mean vs Slug



Right In: 153.409+/-437.209 χ^2/NDF: 11.9/17

Left Out: 225.661+/-259.829 χ^2/NDF:22.2/23

Right Out: -66.814+/-437.151 χ^2/NDF: 25.5/19

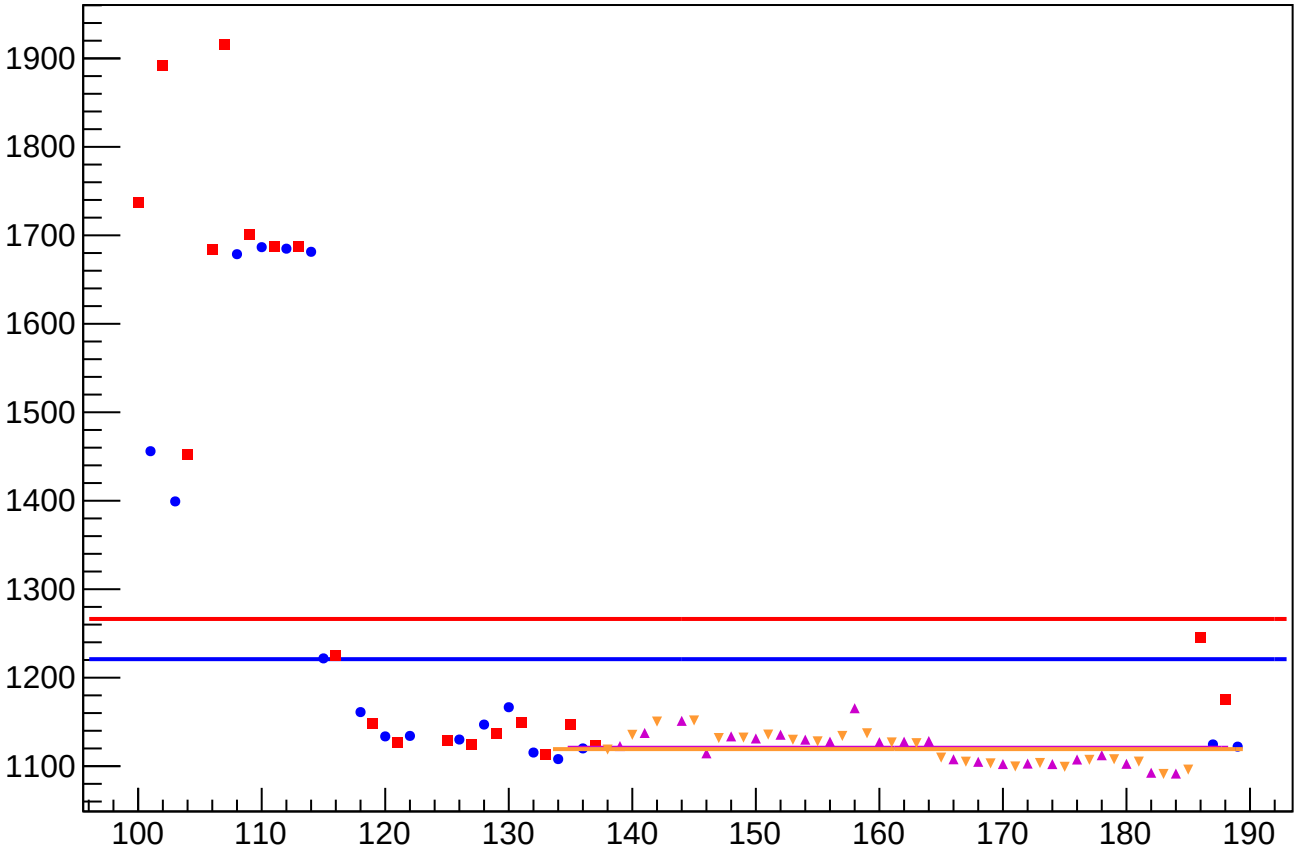
Left In: -89.079+/-261.717 χ^2/NDF:20.6/22

+ sign 206.803+/-223.362 χ^2/NDF: 34.1/41

All: 62.569+/-158.359 χ^2/NDF: 81.0/84

- sign -83.204+/-224.550 χ^2/NDF: 46.0/42

eigen_dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1220.931+/-0.309 χ^2/NDF: 327840.3/17

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

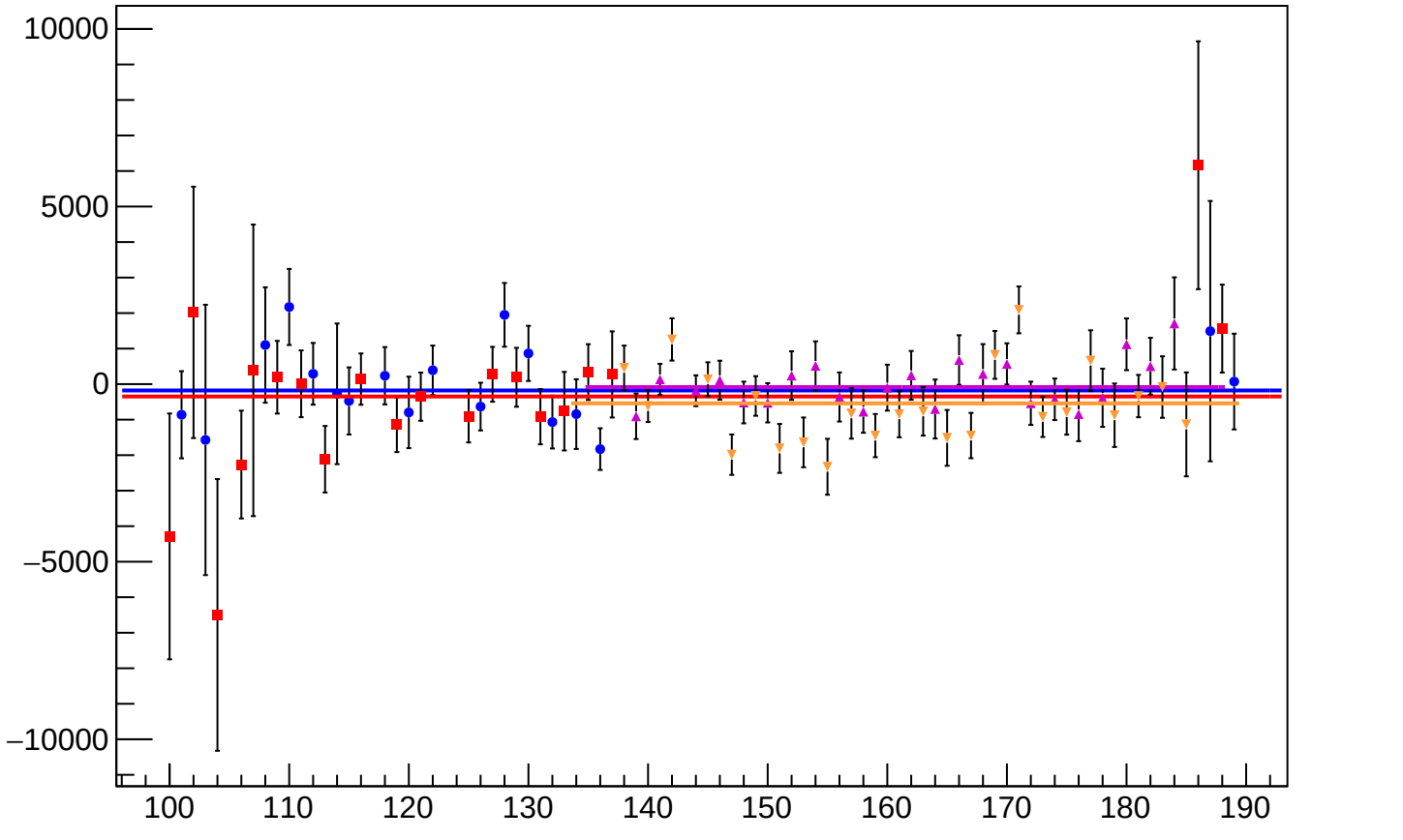
Right Out: 1266.372+/-0.309 χ^2/NDF: 557211.2/19

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

+ sign 1145.795+/-0.158 χ^2/NDF: 415912.7/41

All: 1152.467+/-0.112 χ^2/NDF: 1149400.6/84

- sign 1159.210+/-0.159 χ^2/NDF: 729899.7/42



Right In: -178.516+/-219.388 χ^2/NDF: 25.5/17

Left Out: -541.591+/-132.012 χ^2/NDF:60.9/23

Right Out: -348.051+/-222.440 χ^2/NDF: 20.7/19

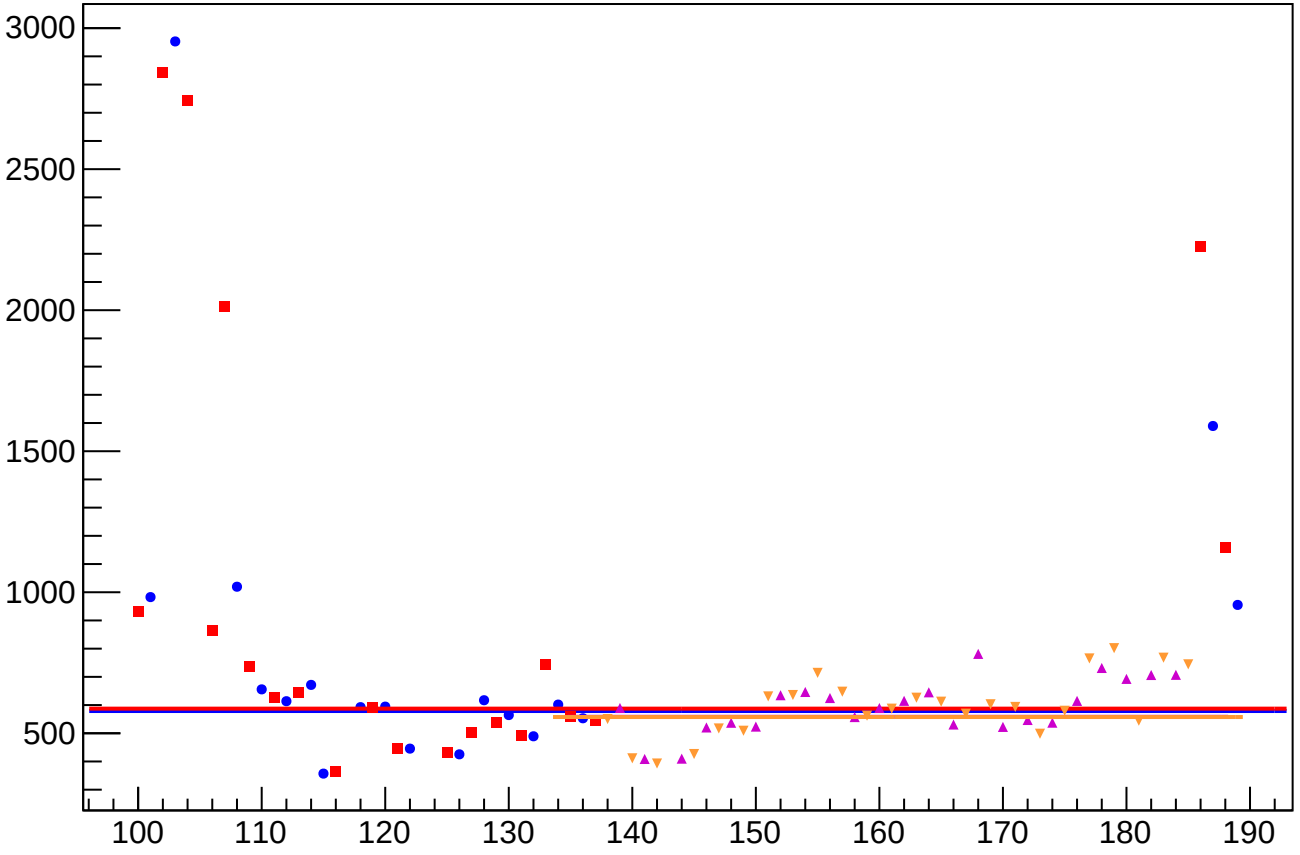
Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

+ sign -445.077+/-113.113 χ^2/NDF: 88.4/41

All: -300.146+/-80.248 χ^2/NDF: 129.8/84

- sign -153.280+/-113.865 χ^2/NDF: 38.1/42

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug



Right In: 578.879+/-0.155 χ^2/NDF: 1796135.2/17

Left Out: 557.591+/-0.093 χ^2/NDF:1193291.2/23

Right Out: 587.326+/-0.157 χ^2/NDF: 3166538.3/19

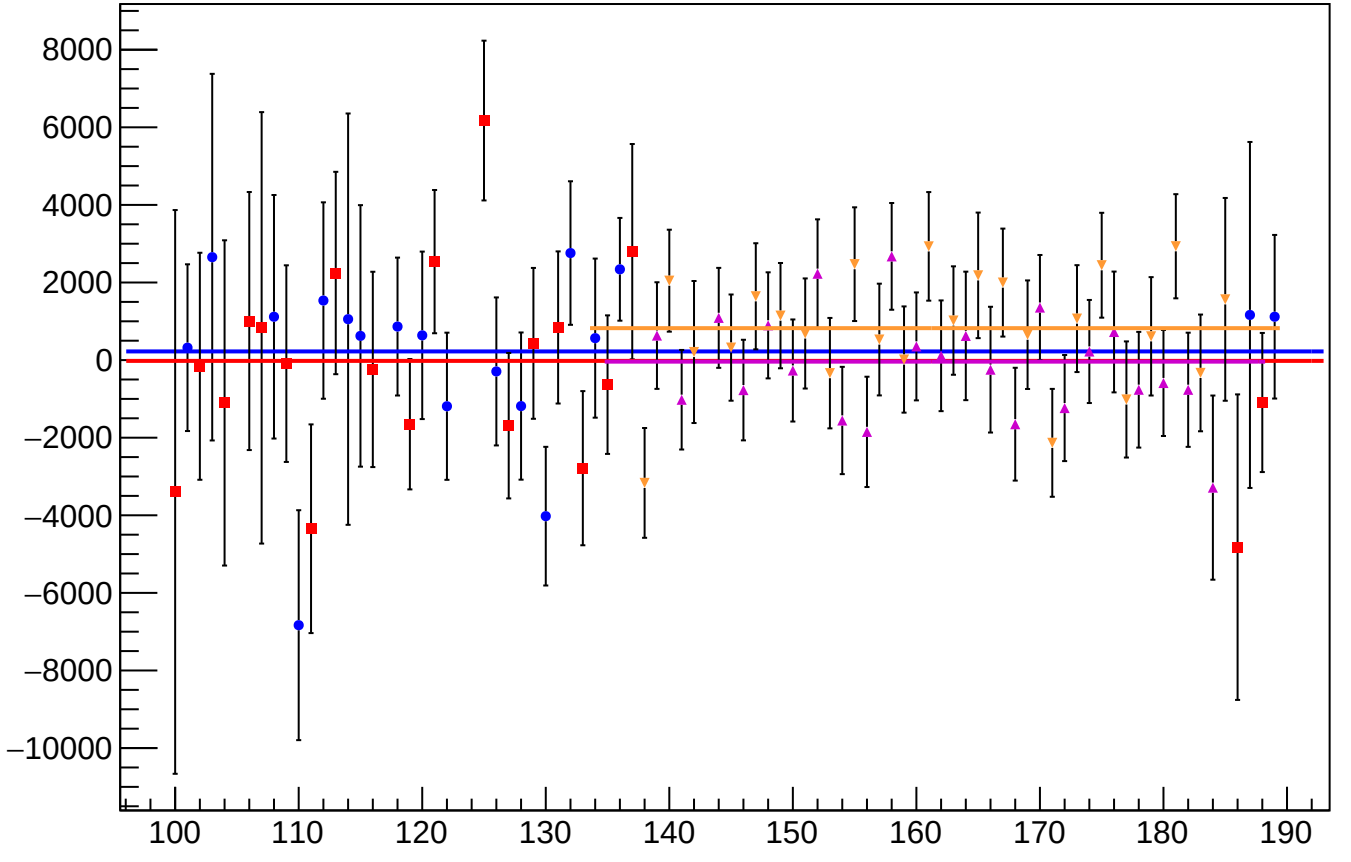
Left In: 558.392+/-0.094 χ^2/NDF:1027828.9/22

\+ sign 563.250+/-0.080 χ^2/NDF: 3003251.3/41

All: 564.603+/-0.057 χ^2/NDF: 7223165.7/84

\- sign 565.974+/-0.081 χ^2/NDF: 4219338.2/42

asym_usl_atl1_dd_mean vs Slug



Right In: 223.683+/-512.504 χ^2/NDF: 18.0/17

Left Out: 823.319+/-294.835 χ^2/NDF:26.2/23

Right Out: -20.385+/-521.322 χ^2/NDF: 21.6/19

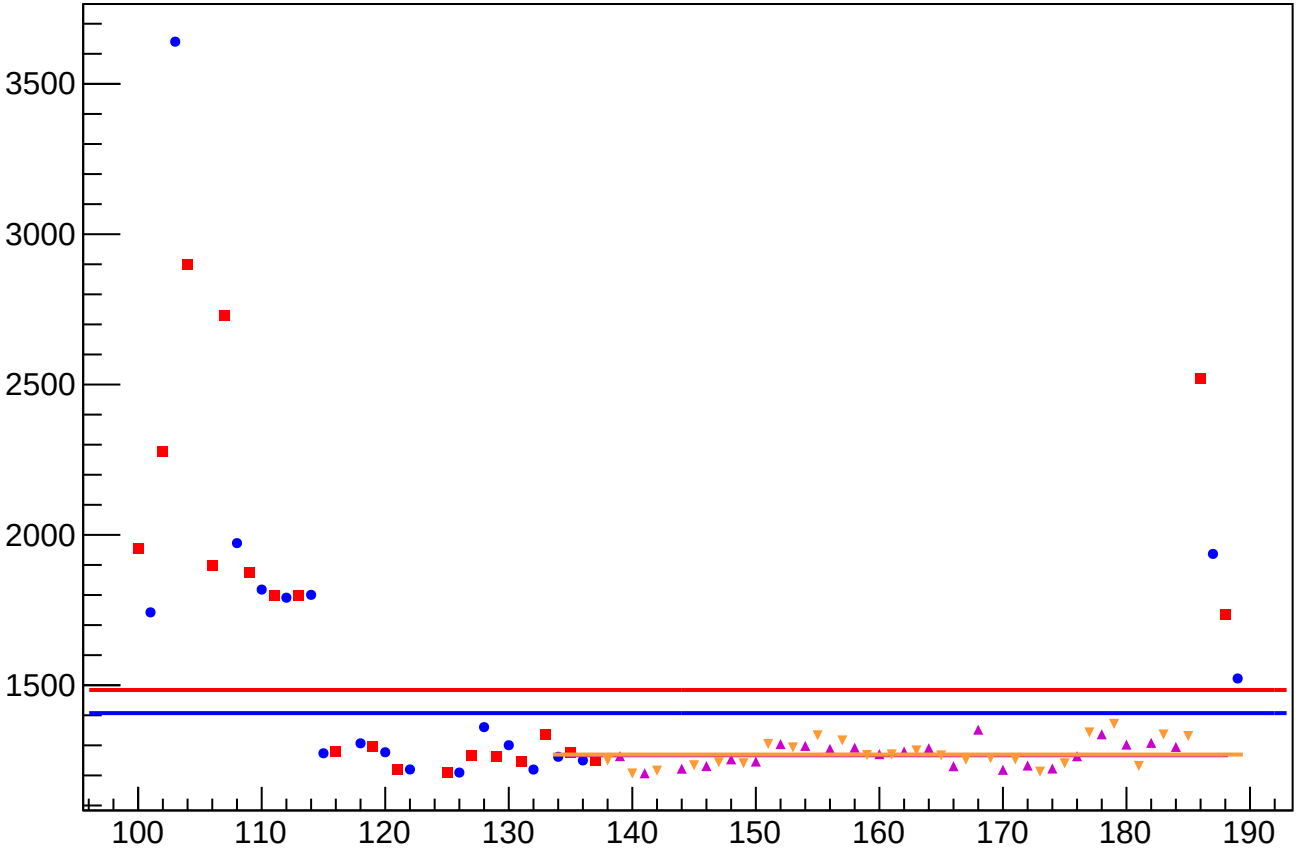
Left In: -39.696+/-296.006 χ^2/NDF:17.9/22

+ sign 674.215+/-255.563 χ^2/NDF: 45.2/41

All: 322.162+/-181.359 χ^2/NDF: 88.5/84

- sign -34.988+/-257.407 χ^2/NDF: 39.5/42

asym_usl_atl1_dd_rms vs Slug



Right In: 1407.178+/-0.362 χ^2/NDF: 814985.4/17

Left Out: 1269.441+/-0.208 χ^2/NDF:43040.3/23

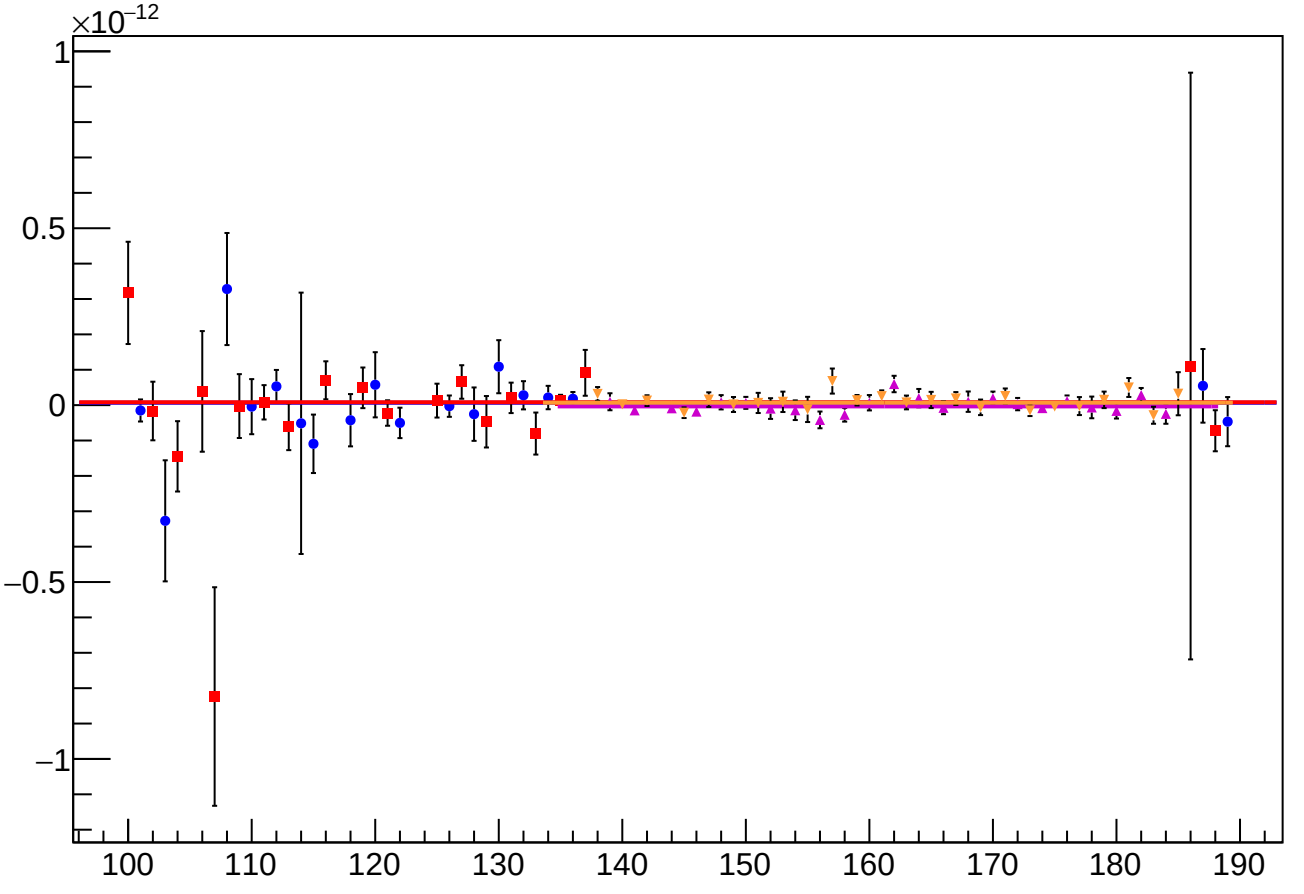
Right Out: 1484.146+/-0.369 χ^2/NDF: 1045747.3/19

Left In: 1267.066+/-0.209 χ^2/NDF:34547.0/22

+ sign 1303.690+/-0.181 χ^2/NDF: 966563.0/41

All: 1311.781+/-0.128 χ^2/NDF: 2313135.8/84

- sign 1319.989+/-0.182 χ^2/NDF: 1342534.4/42



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/23

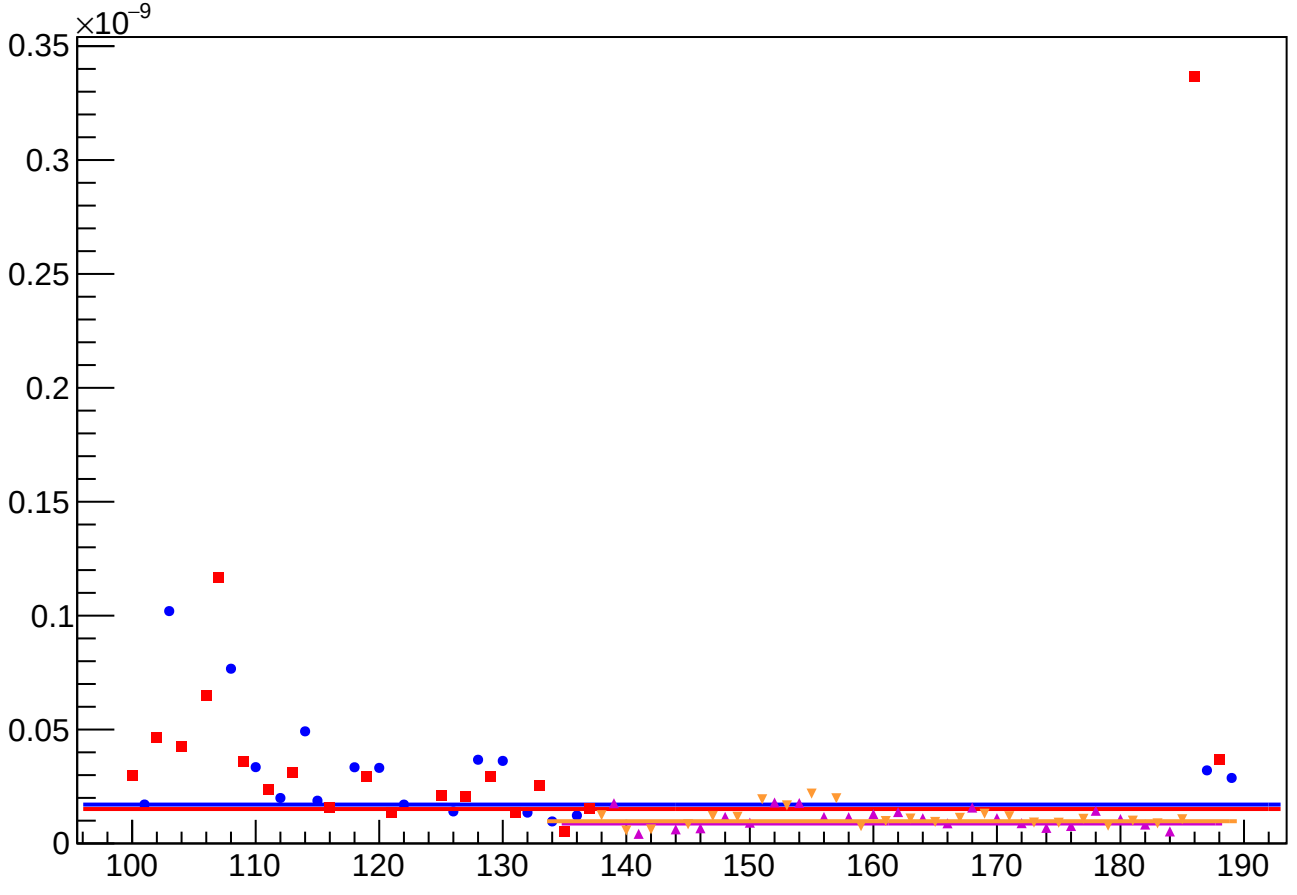
Right Out: 0.000+/-0.000 χ^2/NDF: 26.1/19

Left In: -0.000+/-0.000 χ^2/NDF:23.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 37.5/41

All: 0.000+/-0.000 χ^2/NDF: 90.9/84

- sign -0.000+/-0.000 χ^2/NDF: 50.2/42



Right In: 0.000+/-0.000 χ^2/NDF: 1674806.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:1373738.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2847687.8/19

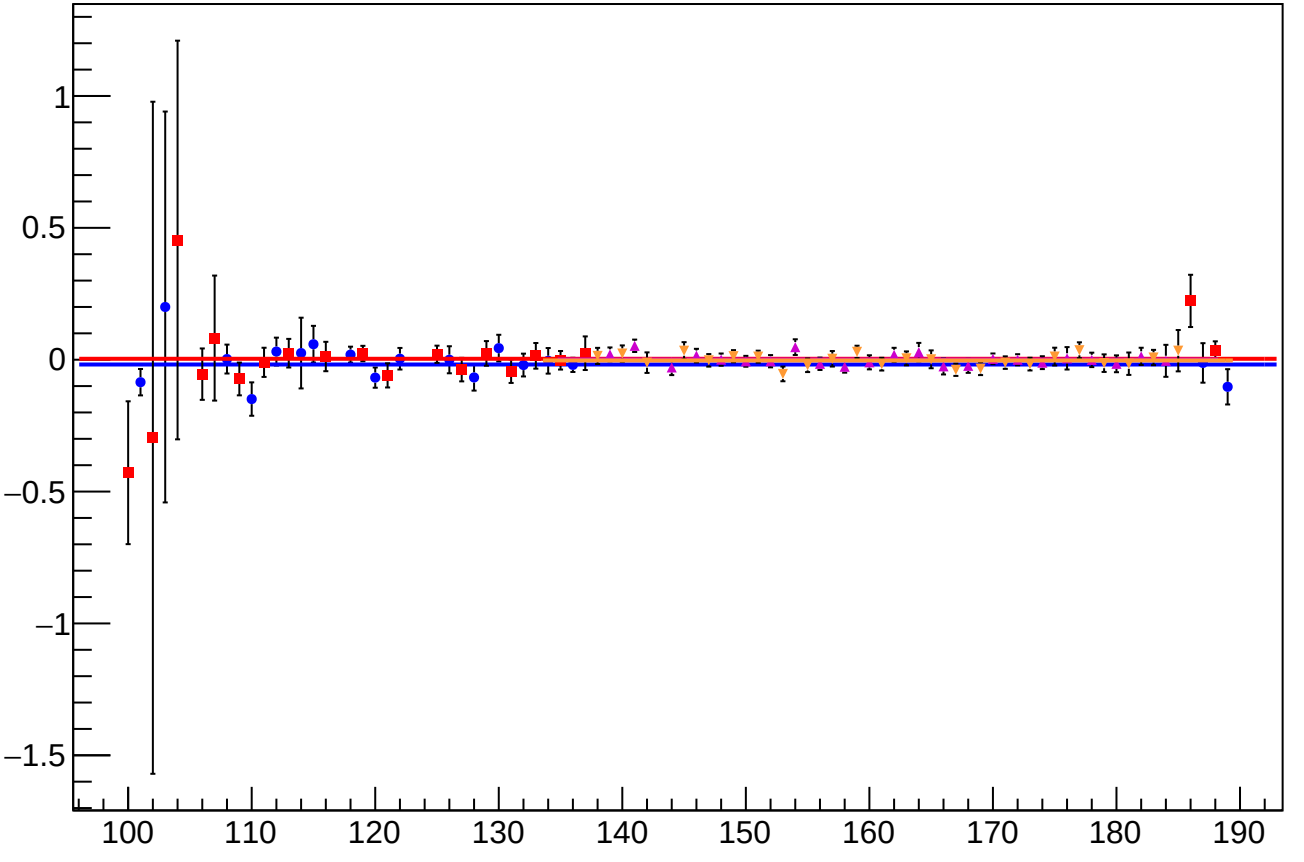
Left In: 0.000+/-0.000 χ^2/NDF:1928867.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 3870702.6/41

All: 0.000+/-0.000 χ^2/NDF: 9415069.5/84

- sign 0.000+/-0.000 χ^2/NDF: 5437356.2/42

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.018+/-0.011 χ^2/NDF: 16.3/17

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: 0.003+/-0.011 χ^2/NDF: 15.7/19

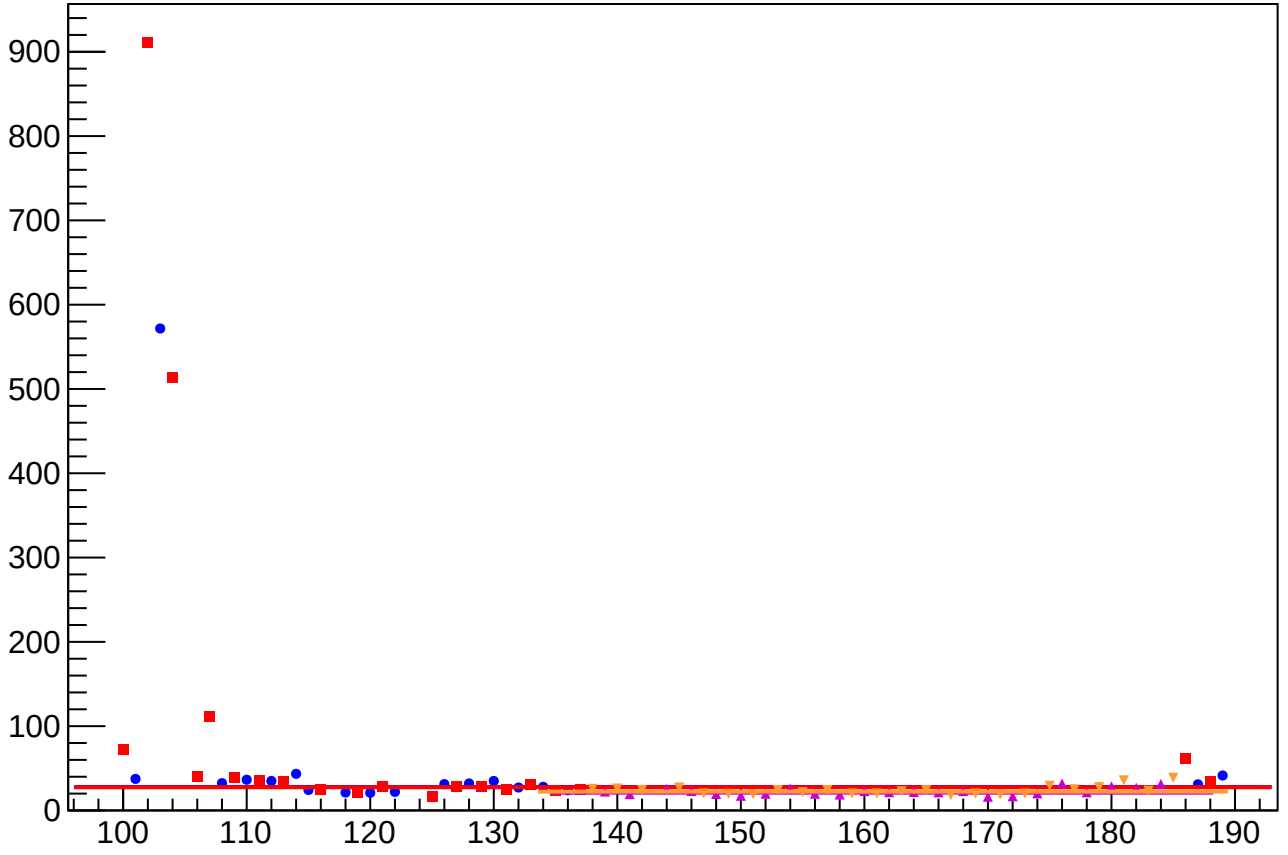
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.006+/-0.005 χ^2/NDF: 34.1/41

All: -0.002+/-0.004 χ^2/NDF: 65.8/84

- sign 0.001+/-0.005 χ^2/NDF: 30.7/42

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 27.789+/-0.008 χ^2/NDF: 1658968.0/17

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

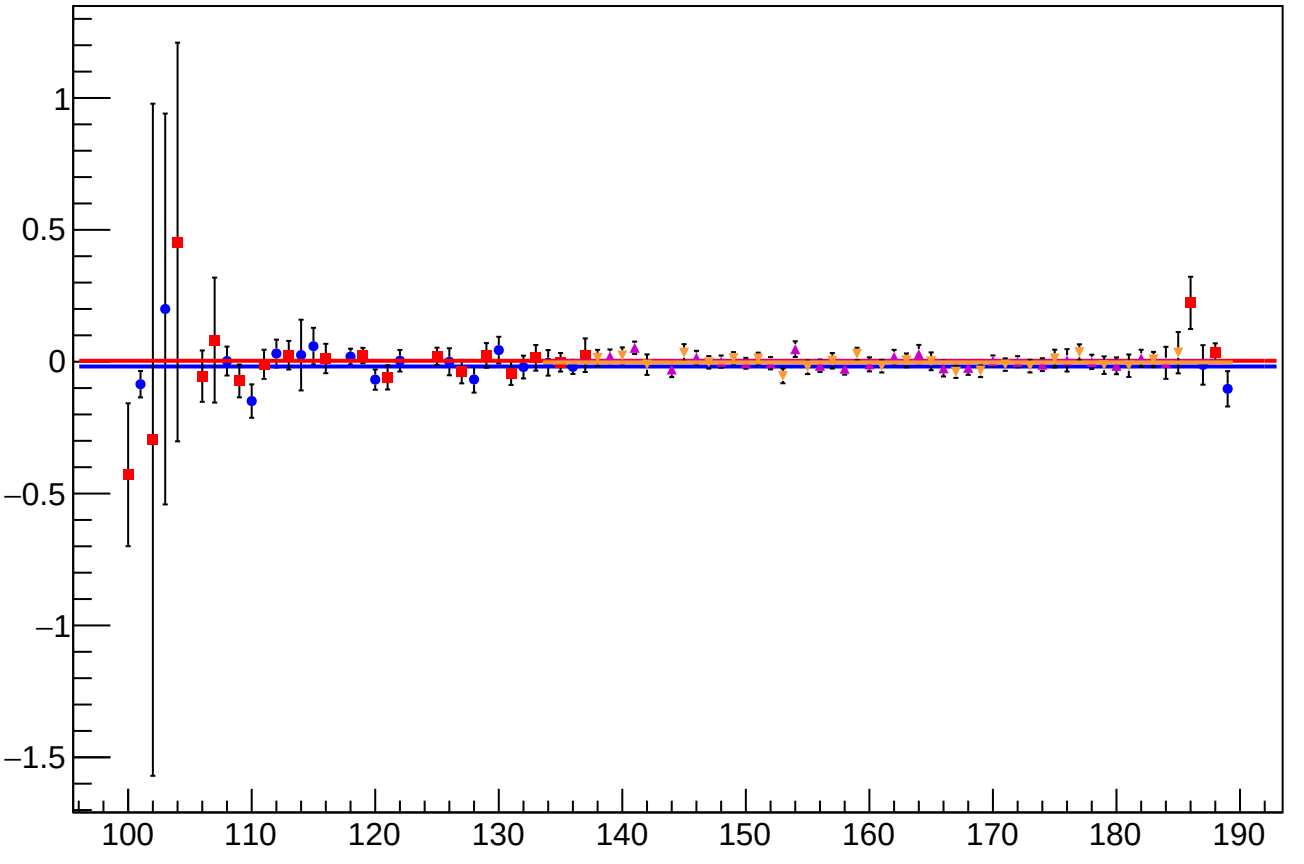
Right Out: 27.600+/-0.008 χ^2/NDF: 2932120.2/19

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

+ sign 23.458+/-0.004 χ^2/NDF: 2846144.9/41

All: 22.874+/-0.002 χ^2/NDF: 7182008.4/84

- sign 22.324+/-0.003 χ^2/NDF: 4284361.9/42



Right In: -0.018+/-0.011 χ^2/NDF: 16.3/17

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: 0.003+/-0.011 χ^2/NDF: 15.7/19

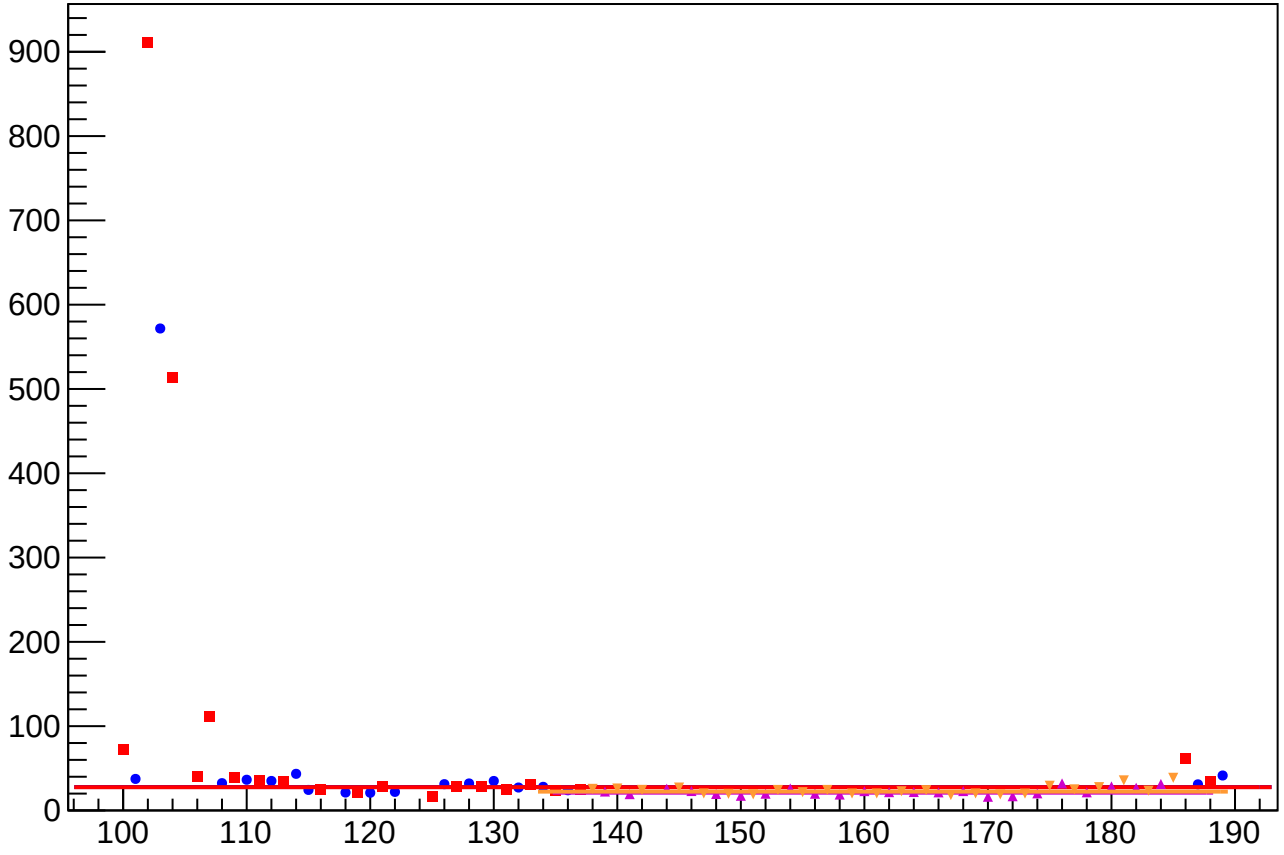
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

\+ sign -0.006+/-0.005 χ^2/NDF: 34.1/41

All: -0.002+/-0.004 χ^2/NDF: 65.8/84

\- sign 0.001+/-0.005 χ^2/NDF: 30.7/42

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.789+/-0.008 χ^2/NDF: 1658968.0/17

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

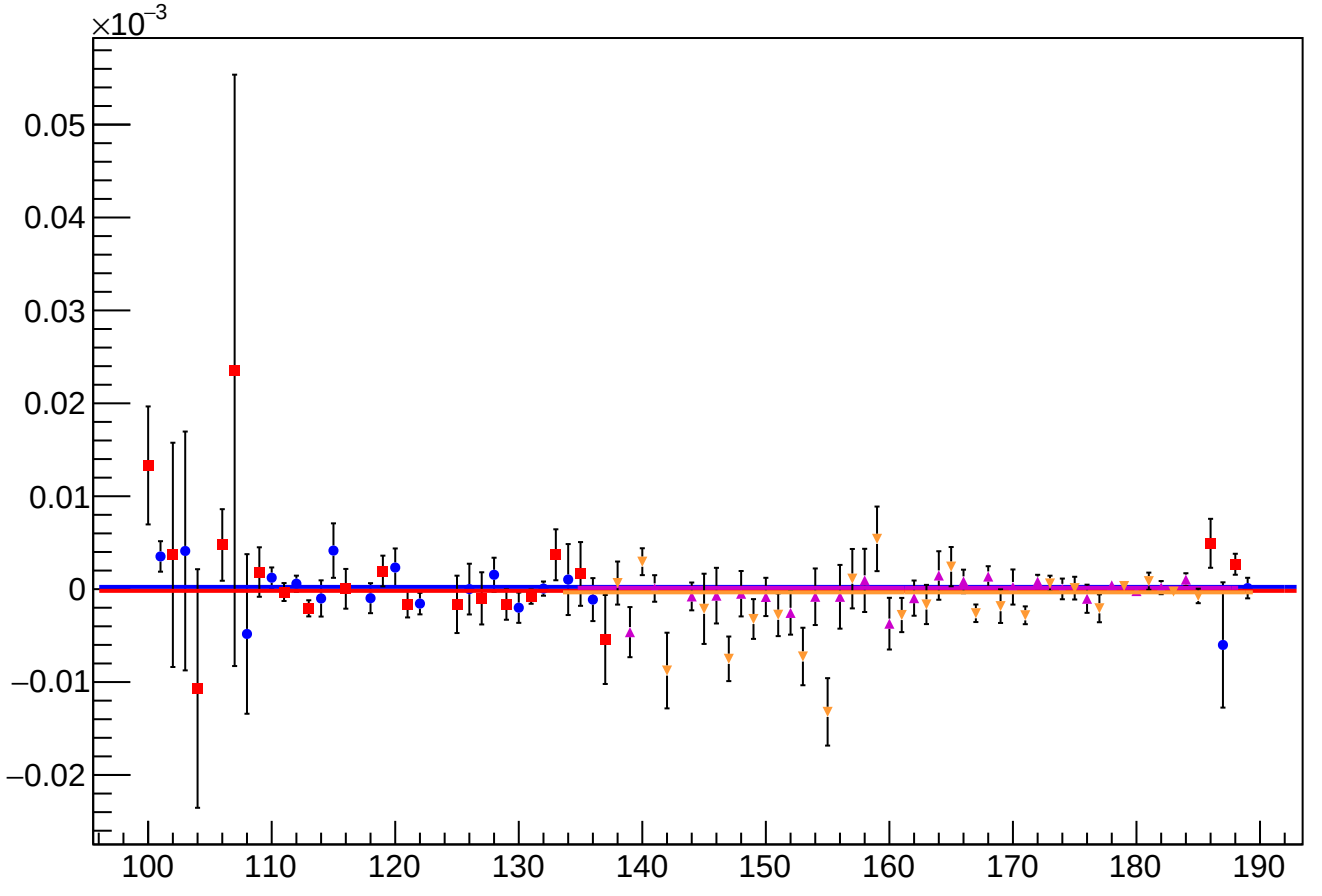
Right Out: 27.600+/-0.008 χ^2/NDF: 2932120.2/19

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

+ sign 23.458+/-0.004 χ^2/NDF: 2846144.9/41

All: 22.874+/-0.002 χ^2/NDF: 7182008.4/84

- sign 22.324+/-0.003 χ^2/NDF: 4284361.9/42



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/17

Left Out: -0.000+/-0.000 χ^2/NDF:68.1/23

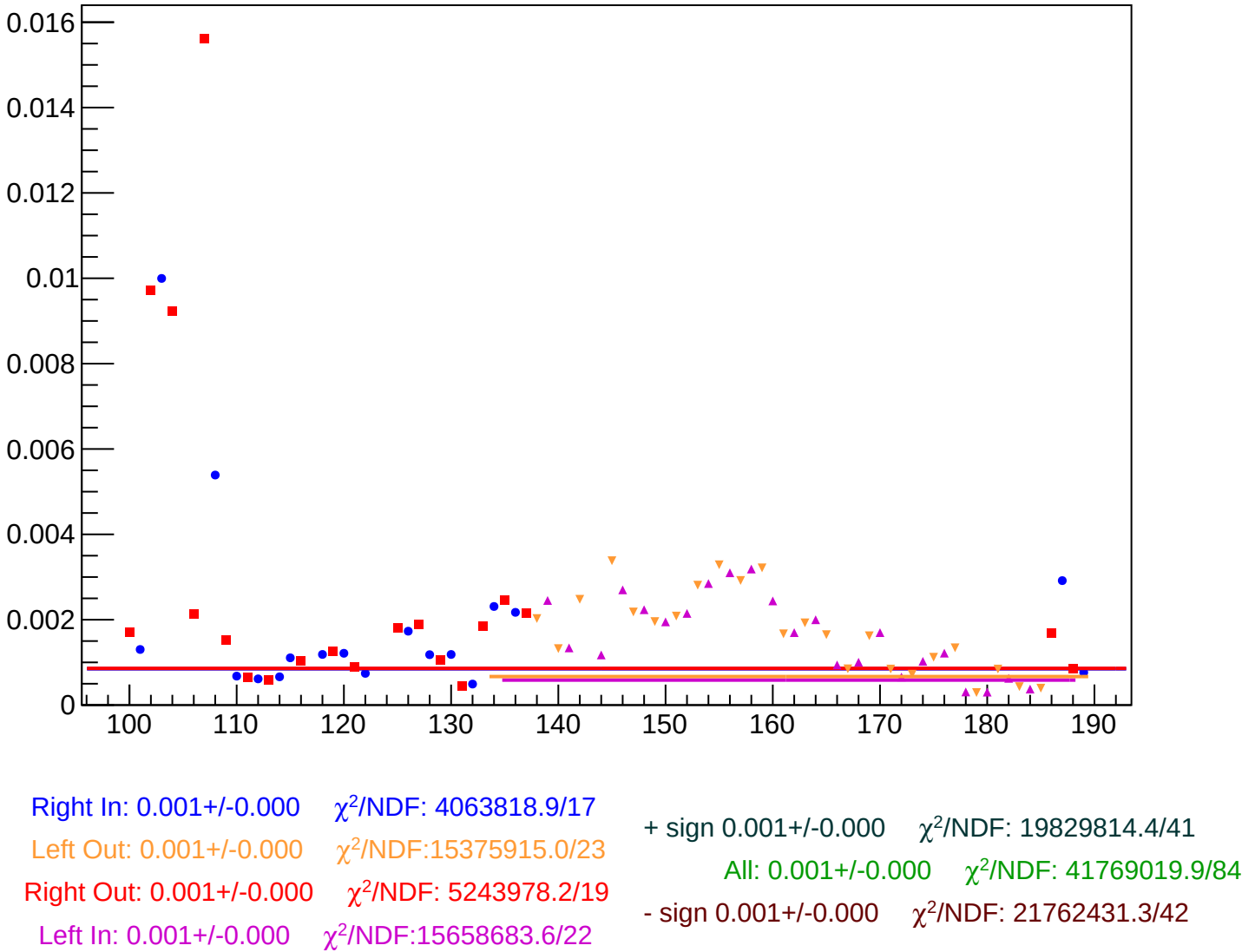
Right Out: -0.000+/-0.000 χ^2/NDF: 30.9/19

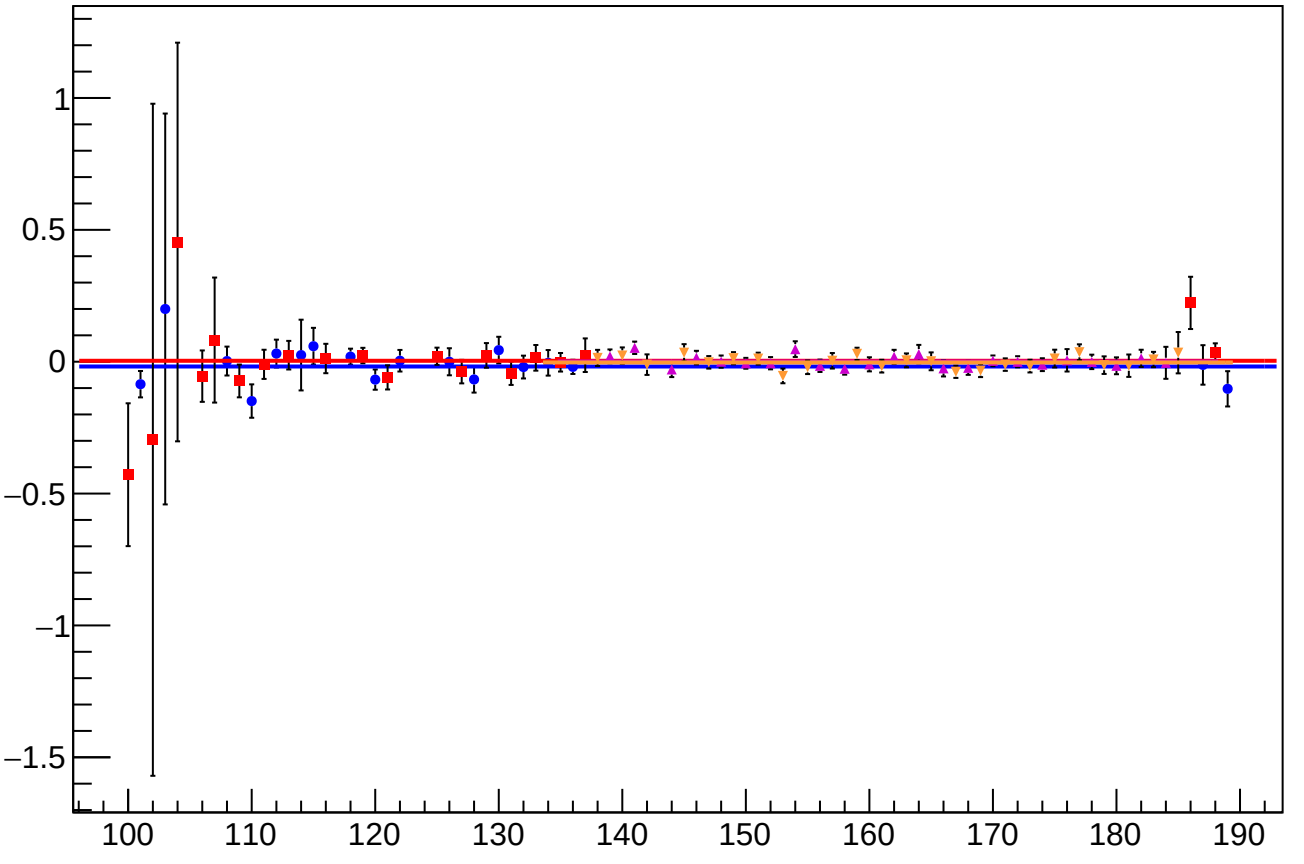
Left In: 0.000+/-0.000 χ^2/NDF:14.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 85.4/41

All: -0.000+/-0.000 χ^2/NDF: 132.4/84

- sign 0.000+/-0.000 χ^2/NDF: 45.8/42


asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.001+/-0.000 χ²/NDF: 4063818.9/17
Left Out: 0.001+/-0.000 χ²/NDF:15375915.0/23
Right Out: 0.001+/-0.000 χ²/NDF: 5243978.2/19
Left In: 0.001+/-0.000 χ²/NDF:15658683.6/22
+ sign 0.001+/-0.000 χ²/NDF: 19829814.4/41
All: 0.001+/-0.000 χ²/NDF: 41769019.9/84
- sign 0.001+/-0.000 χ²/NDF: 21762431.3/42



Right In: -0.018+/-0.011 χ^2/NDF: 16.3/17

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

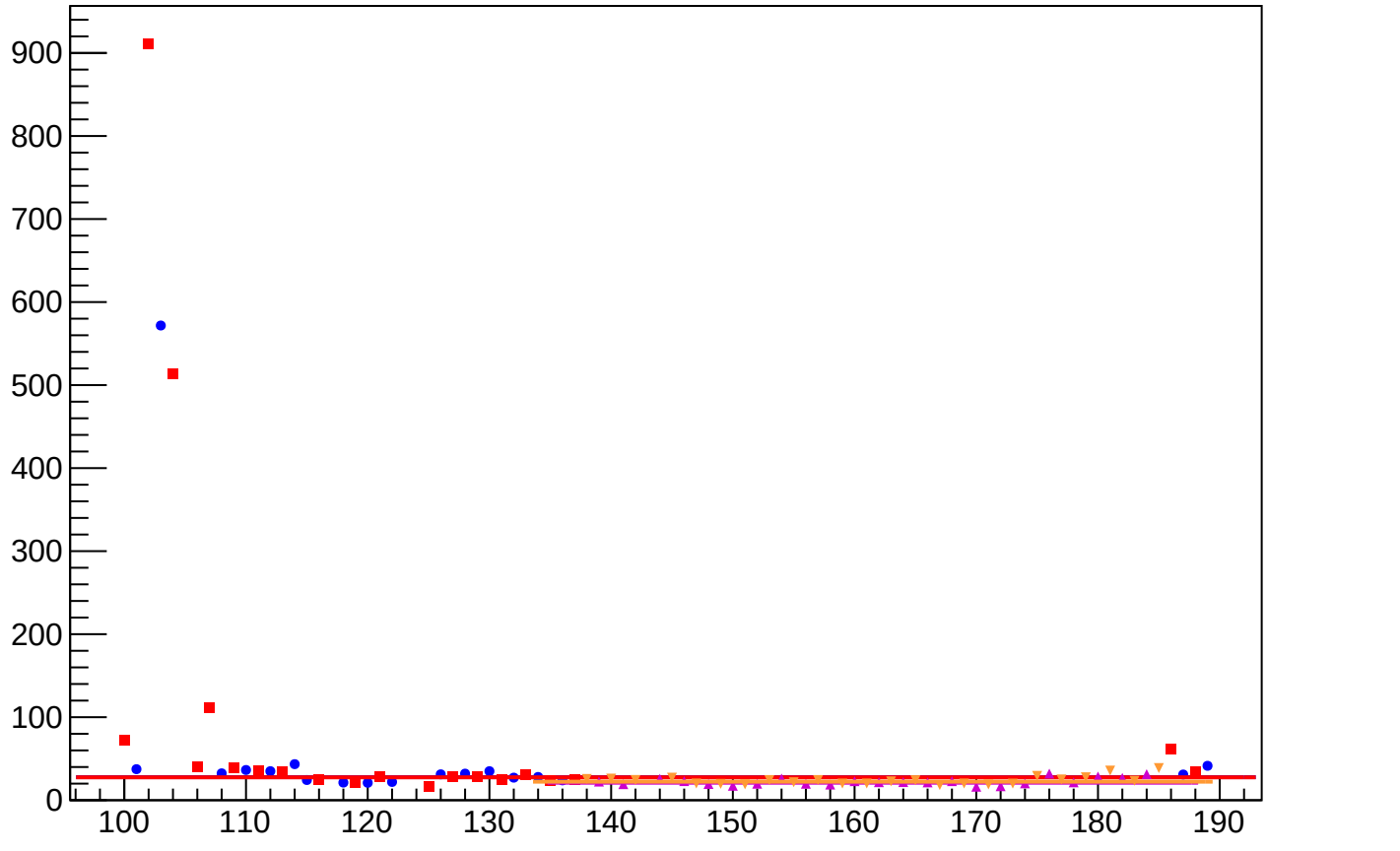
Right Out: 0.003+/-0.011 χ^2/NDF: 15.7/19

Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

\+ sign -0.006+/-0.005 χ^2/NDF: 34.1/41

All: -0.002+/-0.004 χ^2/NDF: 65.8/84

\- sign 0.001+/-0.005 χ^2/NDF: 30.7/42



Right In: 27.789+/-0.008 χ^2/NDF: 1658961.6/17

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

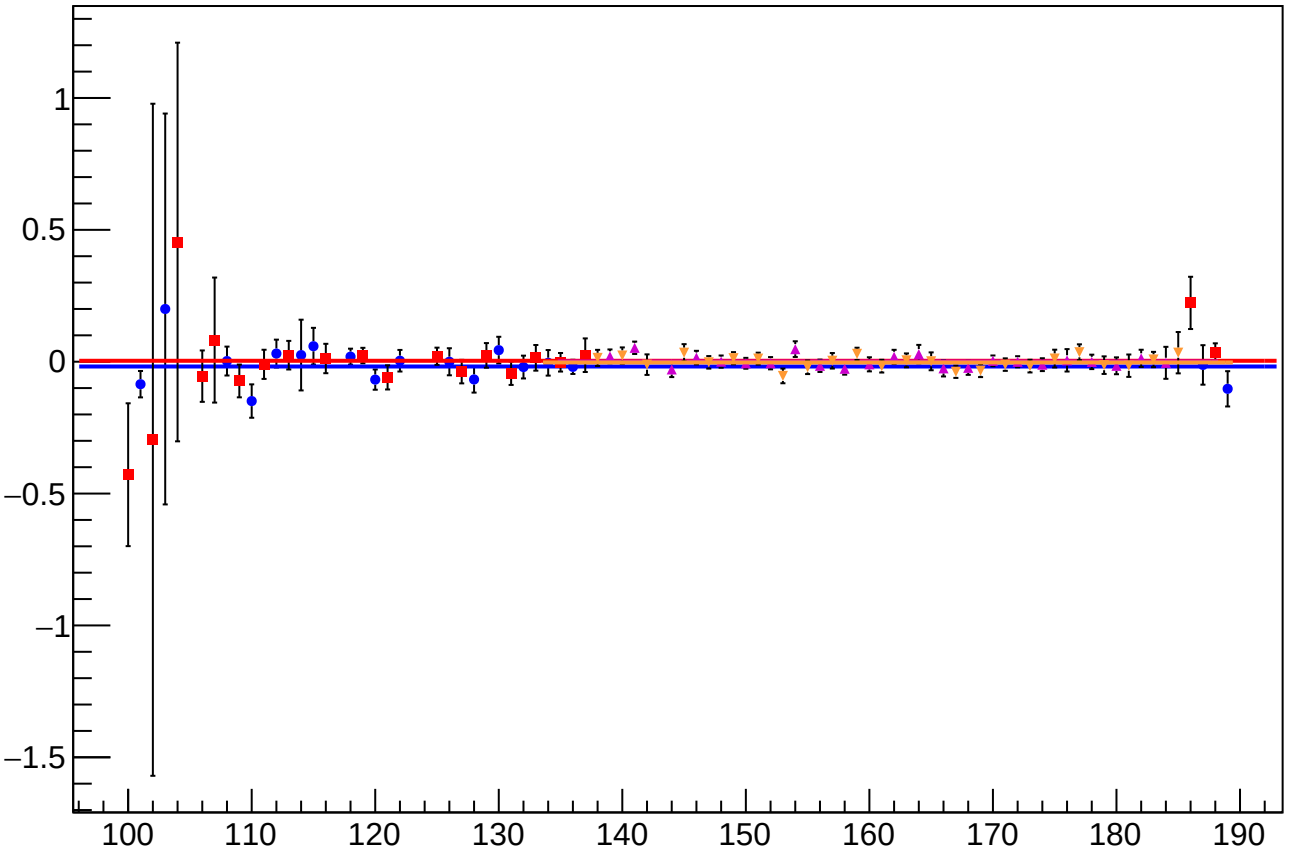
Right Out: 27.600+/-0.008 χ^2/NDF: 2932119.1/19

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

+ sign 23.458+/-0.004 χ^2/NDF: 2846112.0/41

All: 22.874+/-0.002 χ^2/NDF: 7181980.5/84

- sign 22.324+/-0.003 χ^2/NDF: 4284368.4/42



Right In: -0.018+/-0.011 χ^2/NDF: 16.3/17

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

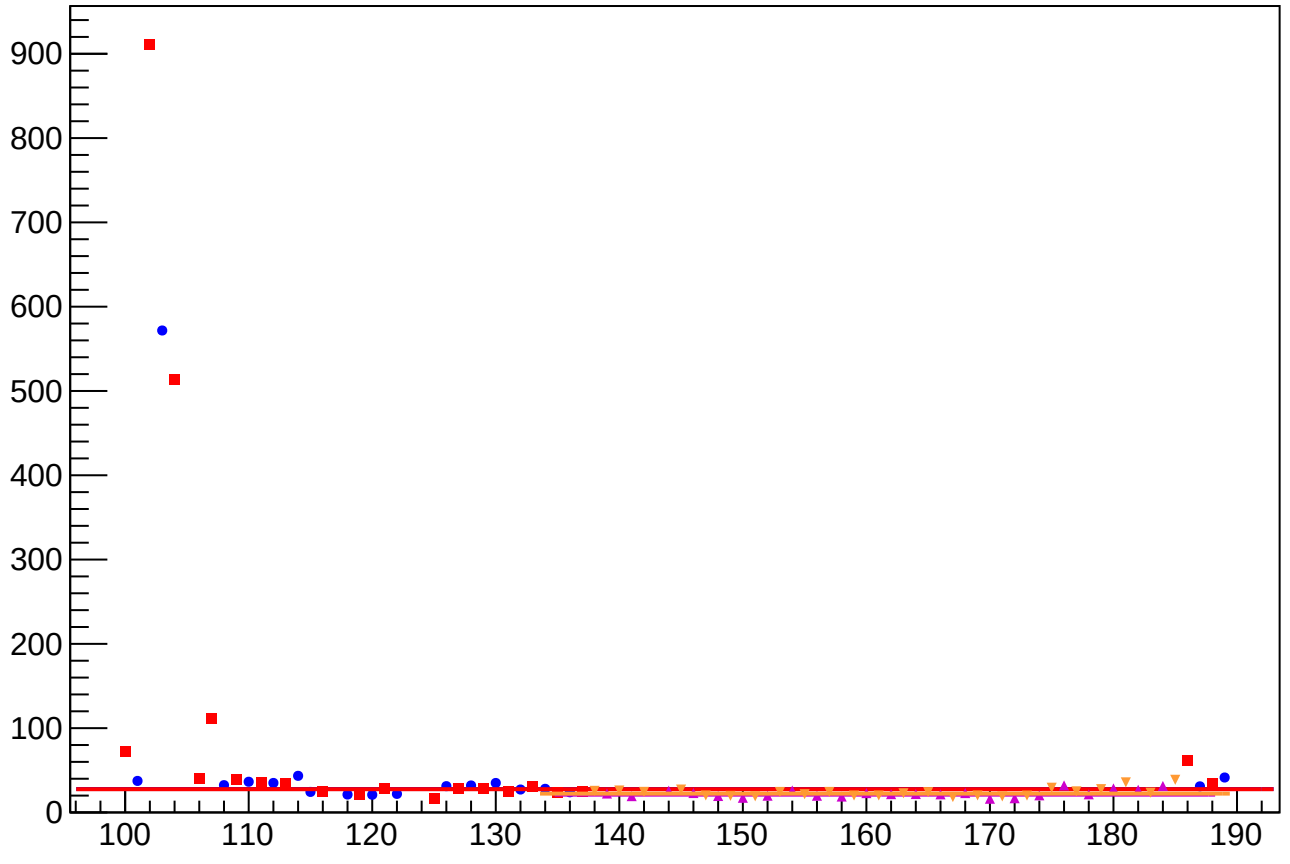
Right Out: 0.003+/-0.011 χ^2/NDF: 15.7/19

Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.006+/-0.005 χ^2/NDF: 34.1/41

All: -0.002+/-0.004 χ^2/NDF: 65.8/84

- sign 0.001+/-0.005 χ^2/NDF: 30.7/42



Right In: 27.789+/-0.008 χ^2/NDF: 1658961.6/17

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

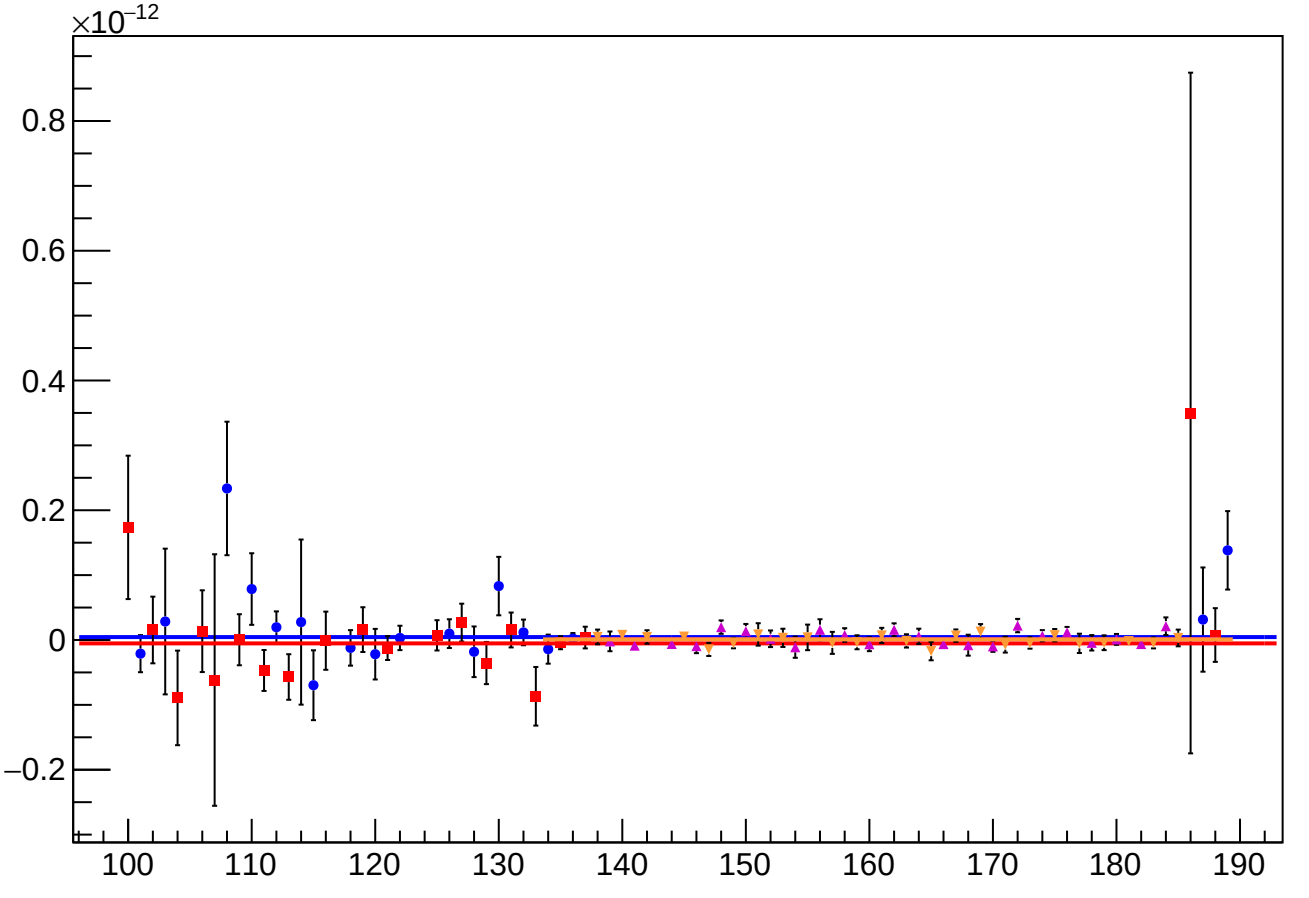
Right Out: 27.600+/-0.008 χ^2/NDF: 2932119.1/19

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

+ sign 23.458+/-0.004 χ^2/NDF: 2846112.0/41

All: 22.874+/-0.002 χ^2/NDF: 7181980.5/84

- sign 22.324+/-0.003 χ^2/NDF: 4284368.4/42



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/23

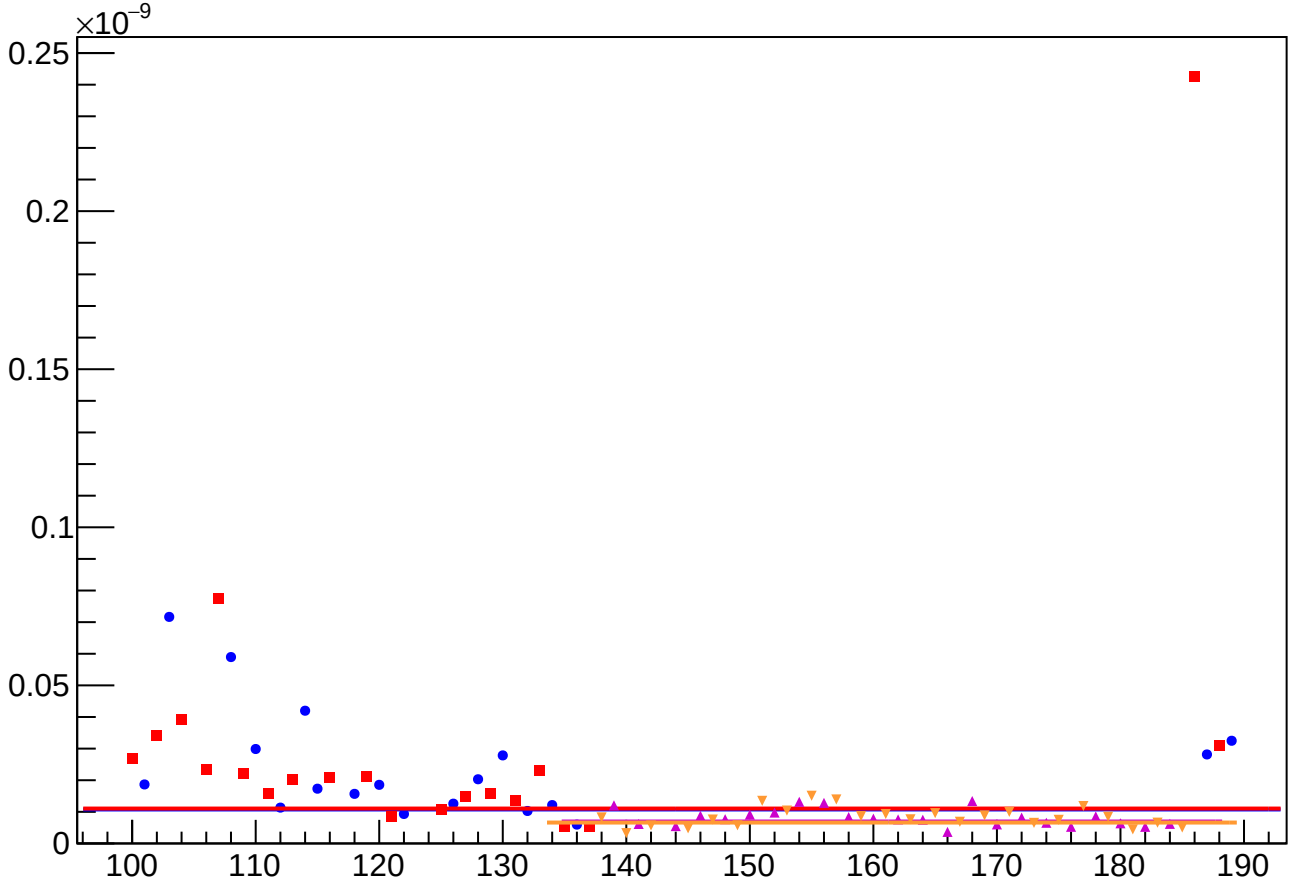
Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/19

Left In: 0.000+/-0.000 χ^2/NDF:25.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 32.0/41

All: 0.000+/-0.000 χ^2/NDF: 74.7/84

- sign 0.000+/-0.000 χ^2/NDF: 42.7/42



Right In: 0.000+/-0.000 χ^2/NDF: 3152043.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:3457171.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3637225.3/19

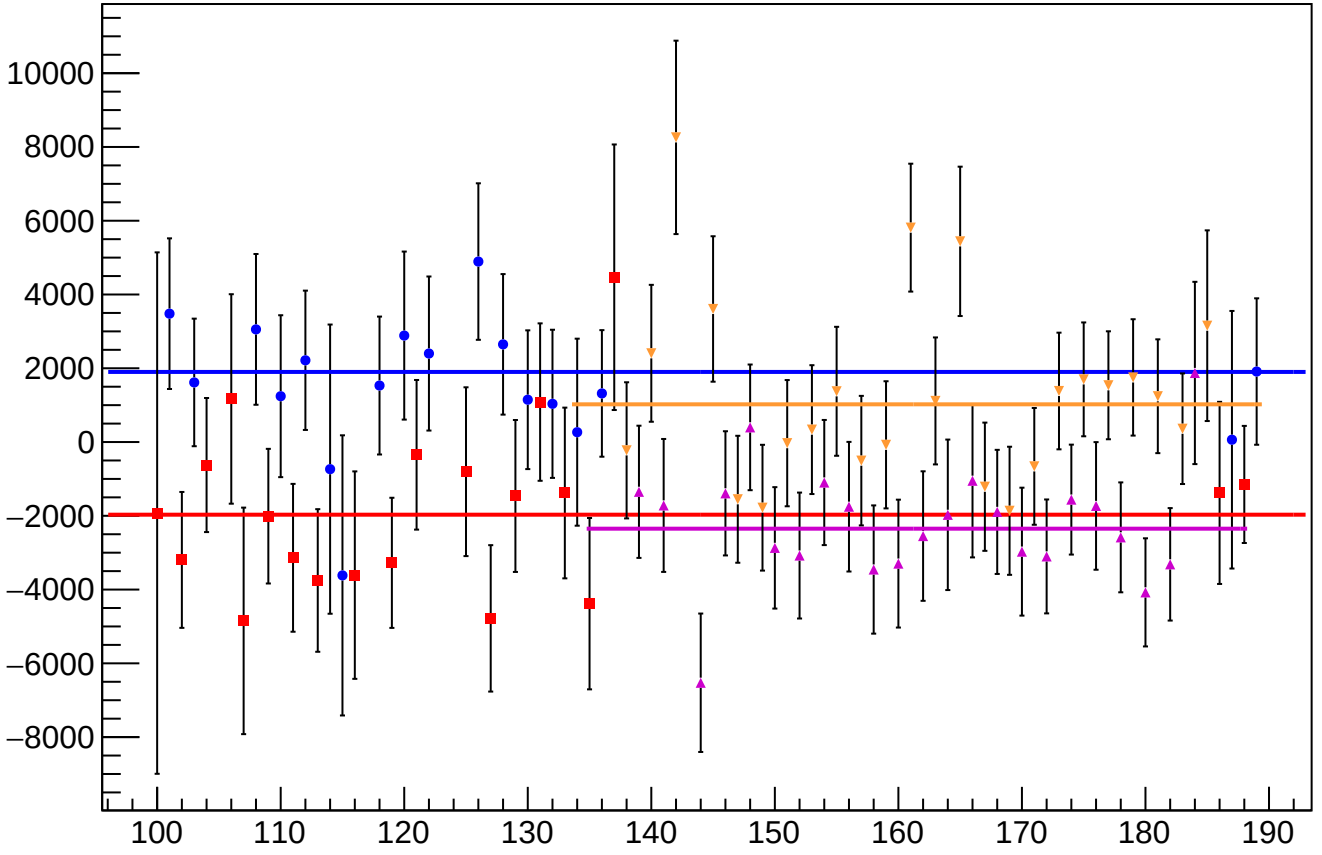
Left In: 0.000+/-0.000 χ^2/NDF:2315472.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 7548350.2/41

All: 0.000+/-0.000 χ^2/NDF: 14358213.4/84

- sign 0.000+/-0.000 χ^2/NDF: 6784725.9/42

reg_asym_usl_atl2_avg_mean vs Slug



Right In: 1900.604+/-499.795 χ^2/NDF: 7.2/17

Left Out: 1022.603+/-353.459 χ^2/NDF:36.4/23

Right Out: -1969.928+/-484.216 χ^2/NDF: 14.8/19

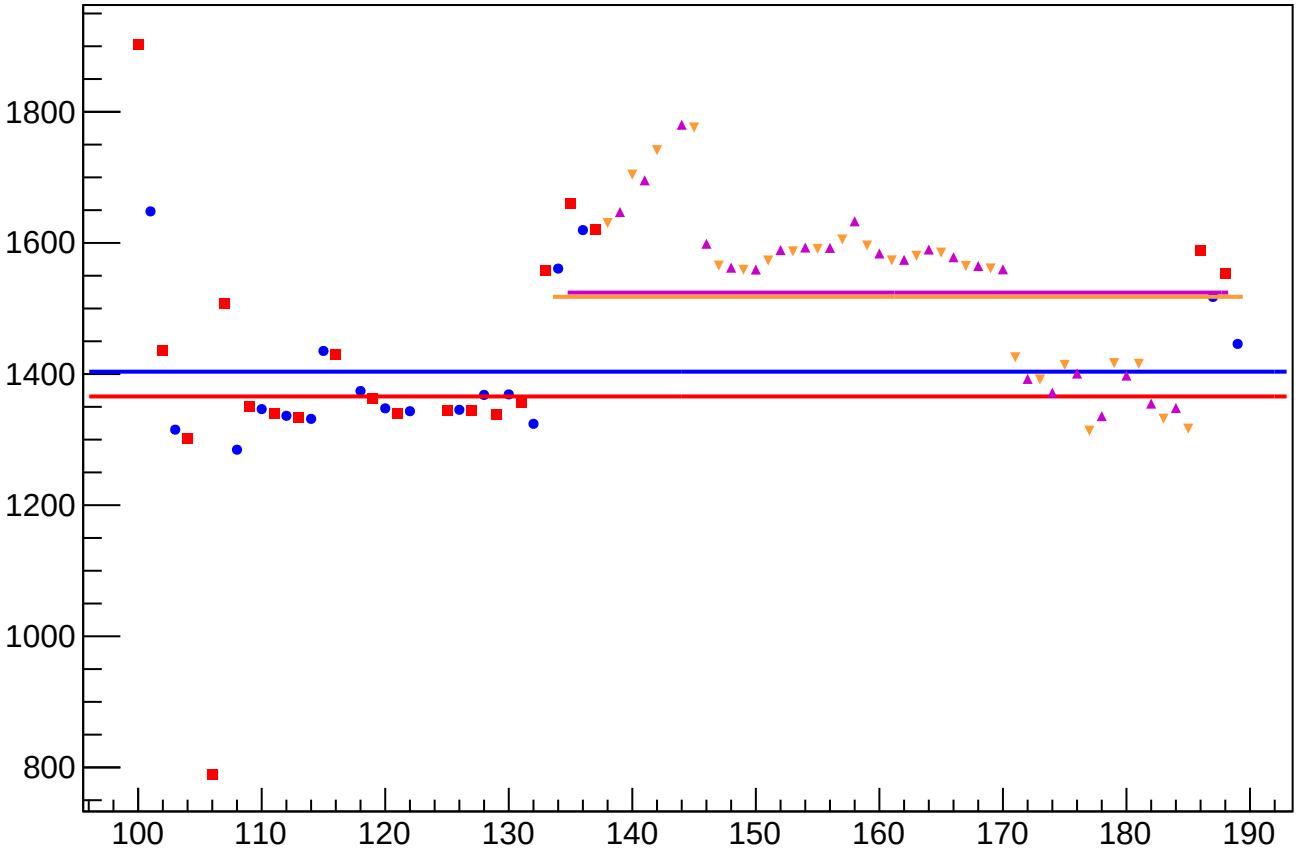
Left In: -2349.189+/-357.068 χ^2/NDF:16.0/22

+ sign 1315.326+/-288.584 χ^2/NDF: 45.7/41

All: -457.513+/-203.633 χ^2/NDF: 152.1/84

- sign -2215.598+/-287.381 χ^2/NDF: 31.2/42

reg_asym_usl_atl2_avg_rms vs Slug



Right In: 1403.640+/-0.353 χ^2/NDF: 97185.2/17

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

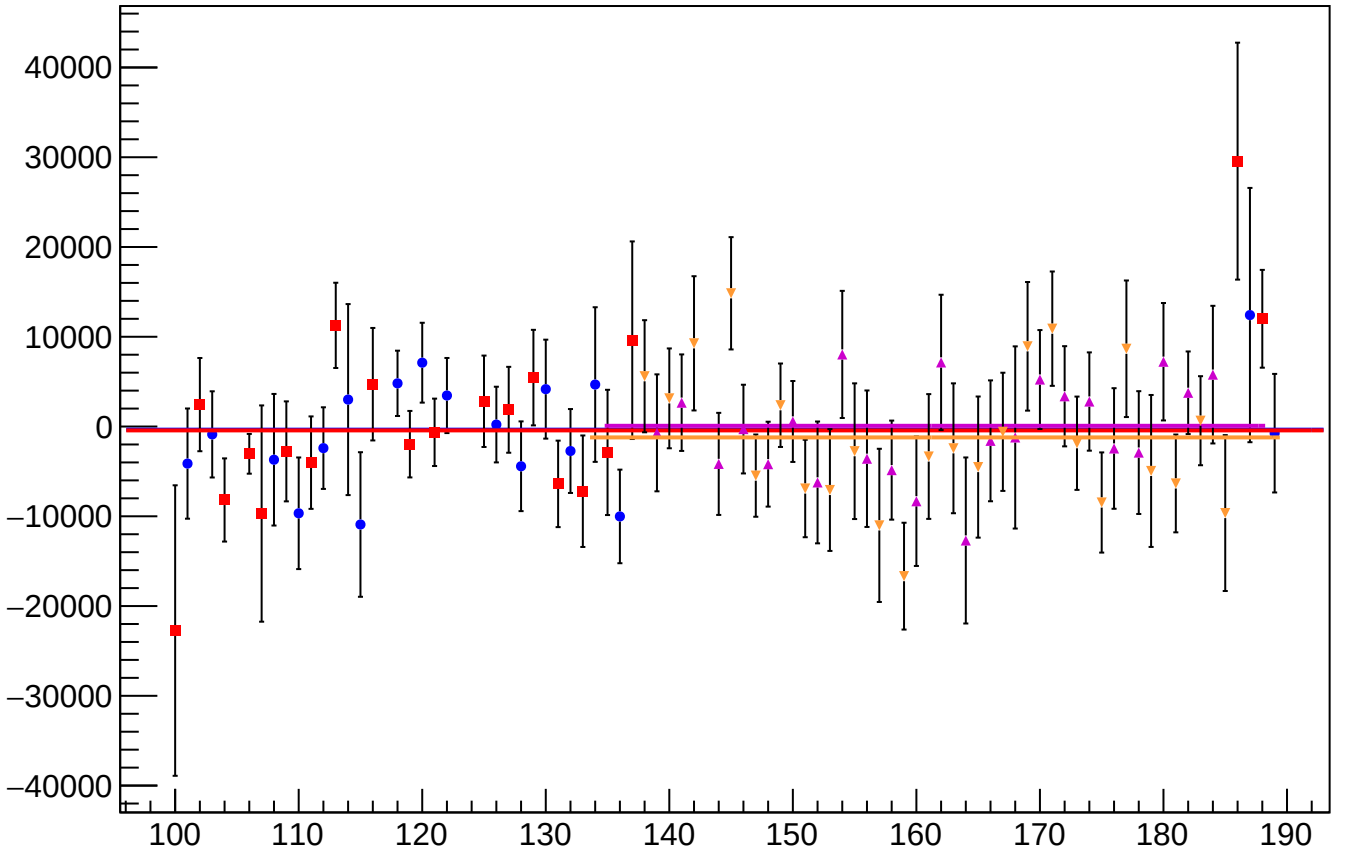
Right Out: 1365.845+/-0.333 χ^2/NDF: 367894.9/19

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1479.750+/-0.204 χ^2/NDF: 400718.4/41

All: 1473.018+/-0.143 χ^2/NDF: 1138860.3/84

- sign 1466.474+/-0.201 χ^2/NDF: 735995.9/42



Right In: -349.384+/-1266.570 χ^2/NDF: 16.7/17

Left Out: -1211.893+/-1268.315 χ^2/NDF:33.2/23

Right Out: -430.248+/-1093.184 χ^2/NDF: 30.5/19

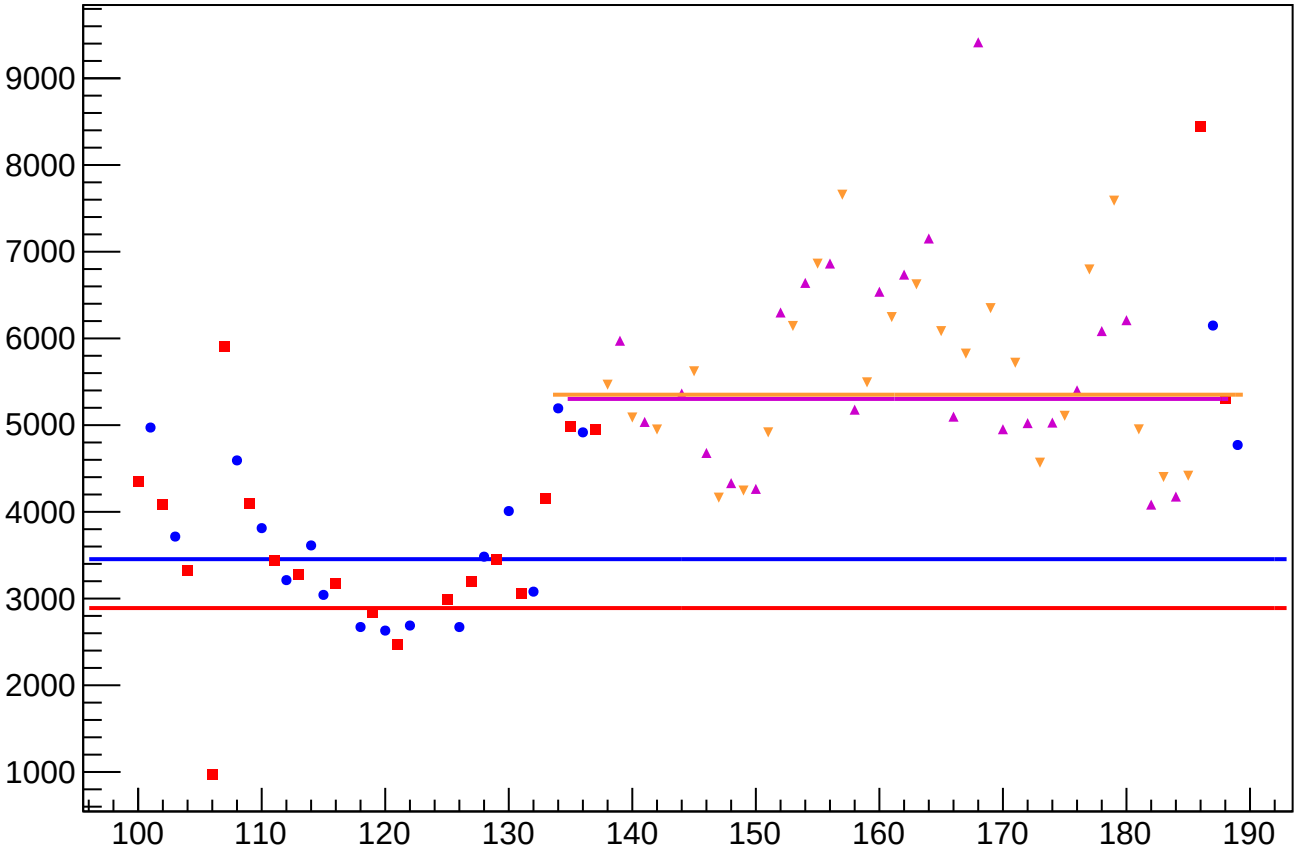
Left In: 80.780+/-1264.327 χ^2/NDF:13.2/22

+ sign -780.045+/-896.217 χ^2/NDF: 50.2/41

All: -473.025+/-607.751 χ^2/NDF: 94.2/84

- sign -211.637+/-826.937 χ^2/NDF: 43.8/42

asym_usl_atl2_avg_reg_correction_rms vs Slug



Right In: 3454.365+/-0.896 χ^2/NDF: 915381.8/17

Left Out: 5351.126+/-0.897 χ^2/NDF:1066045.6/23

Right Out: 2890.378+/-0.773 χ^2/NDF: 3043837.9/19

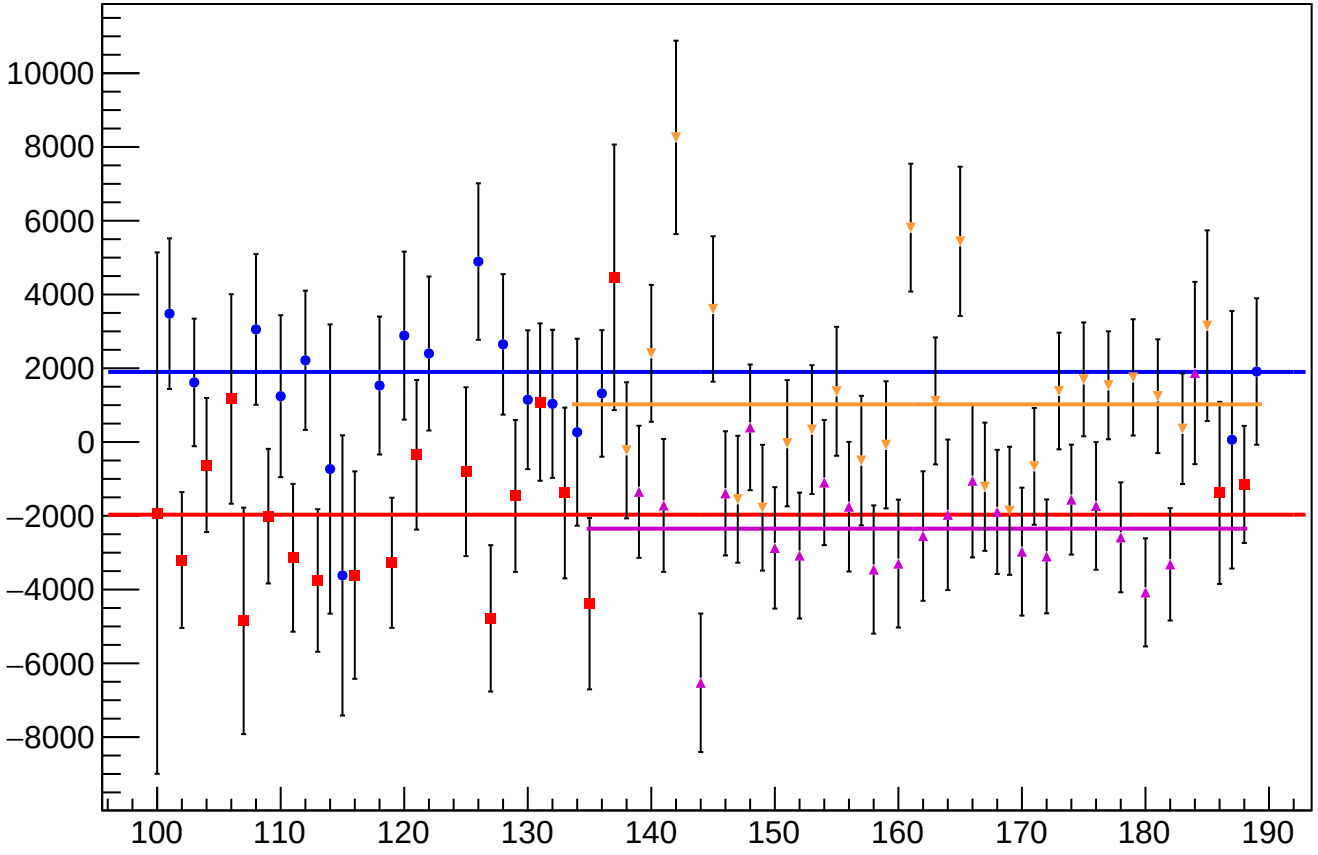
Left In: 5302.185+/-0.894 χ^2/NDF:1256309.3/22

+ sign 4401.440+/-0.634 χ^2/NDF: 4221016.4/41

All: 4142.537+/-0.430 χ^2/NDF: 12994597.2/8

- sign 3922.115+/-0.585 χ^2/NDF: 8464571.5/42

cor_asym_usl_atl2_avg_mean vs Slug



Right In: 1900.694+/-499.795 χ^2/NDF: 7.2/17

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: -1970.117+/-484.218 χ^2/NDF: 14.9/19

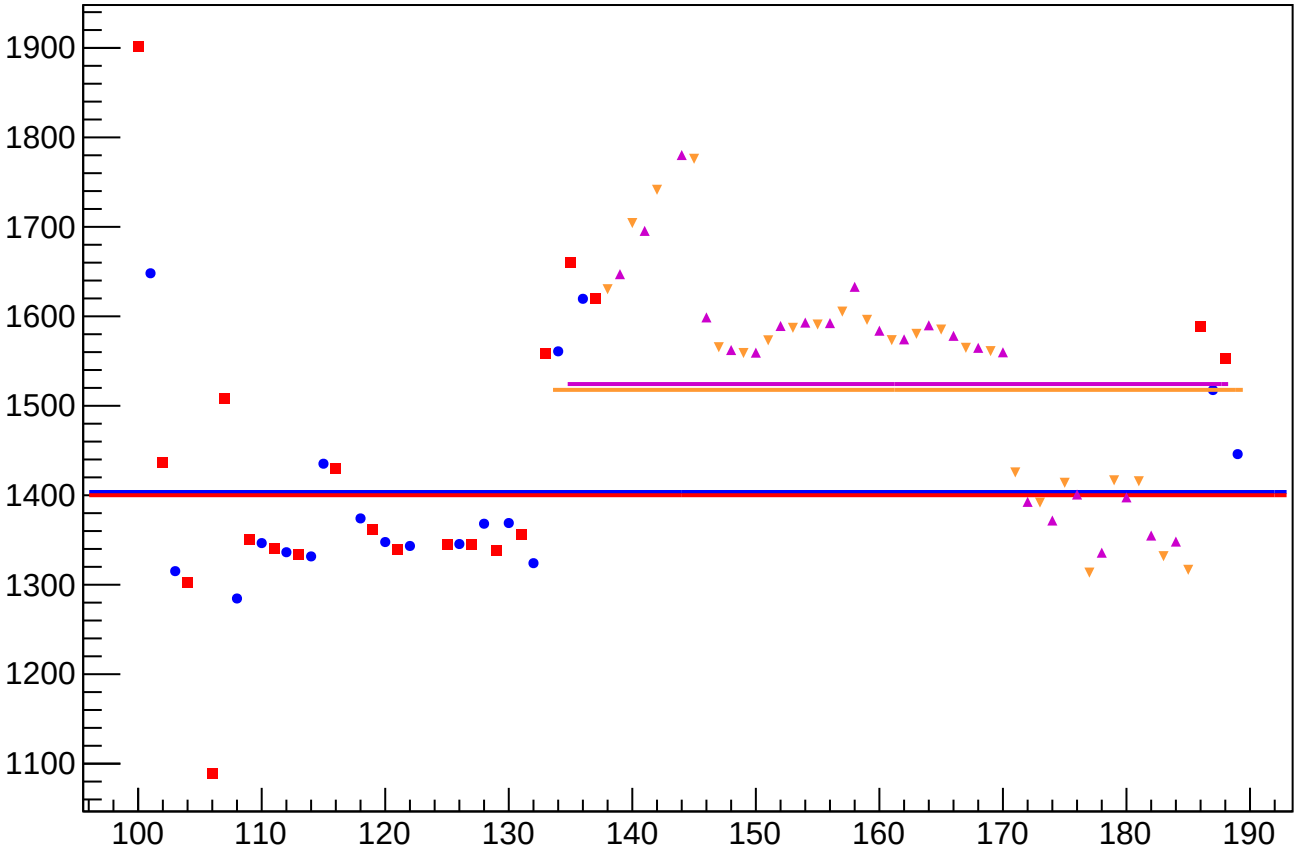
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1315.376+/-288.584 χ^2/NDF: 45.7/41

All: -457.517+/-203.633 χ^2/NDF: 152.1/84

- sign -2215.663+/-287.382 χ^2/NDF: 31.2/42

cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1403.640+/-0.353 χ^2/NDF: 97185.1/17

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

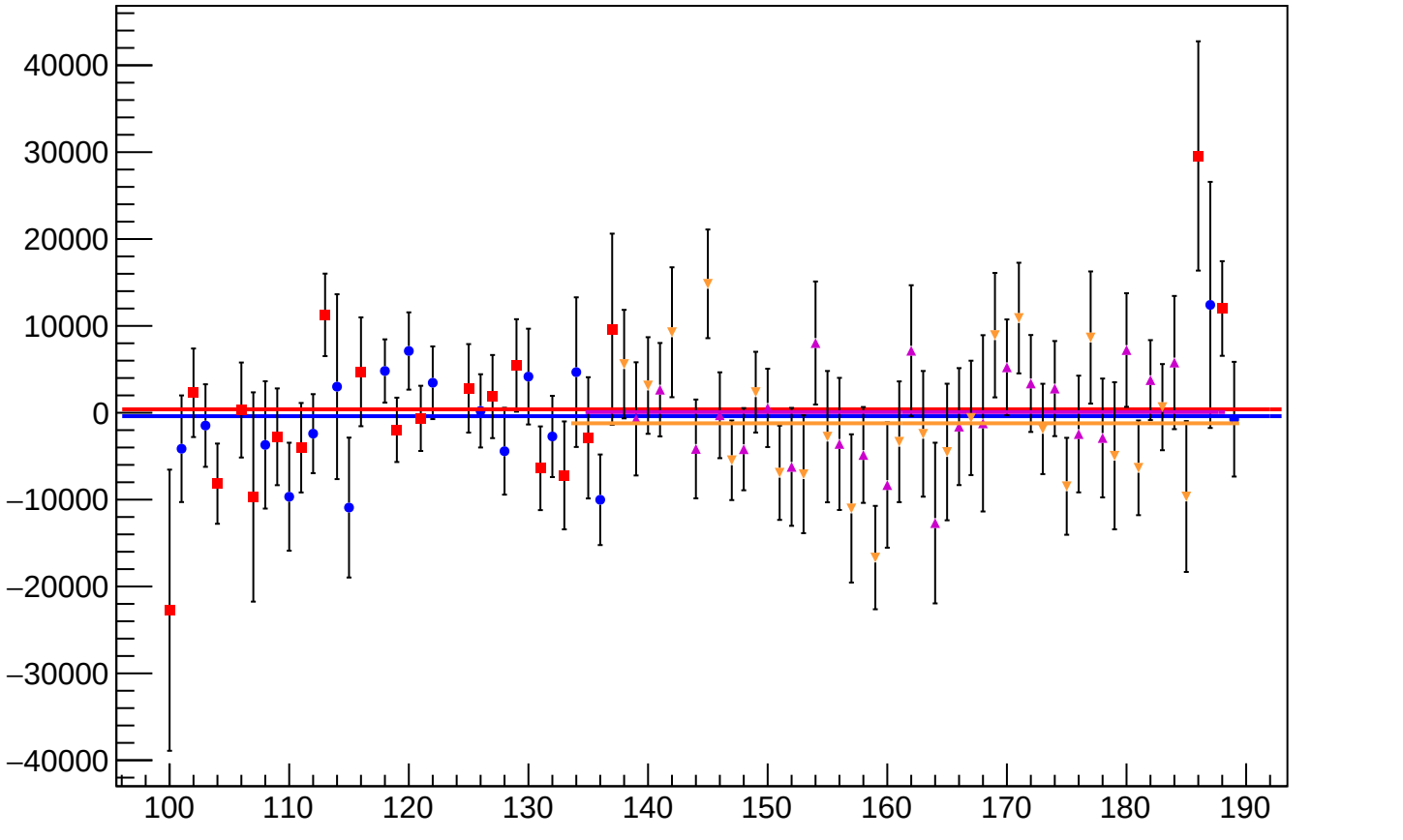
Right Out: 1400.055+/-0.338 χ^2/NDF: 148534.5/19

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1479.750+/-0.204 χ^2/NDF: 400718.5/41

All: 1479.817+/-0.144 χ^2/NDF: 860179.3/84

- sign 1479.883+/-0.202 χ^2/NDF: 459460.6/42



Right In: -392.890+/-1265.650 χ^2/NDF: 16.8/17

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

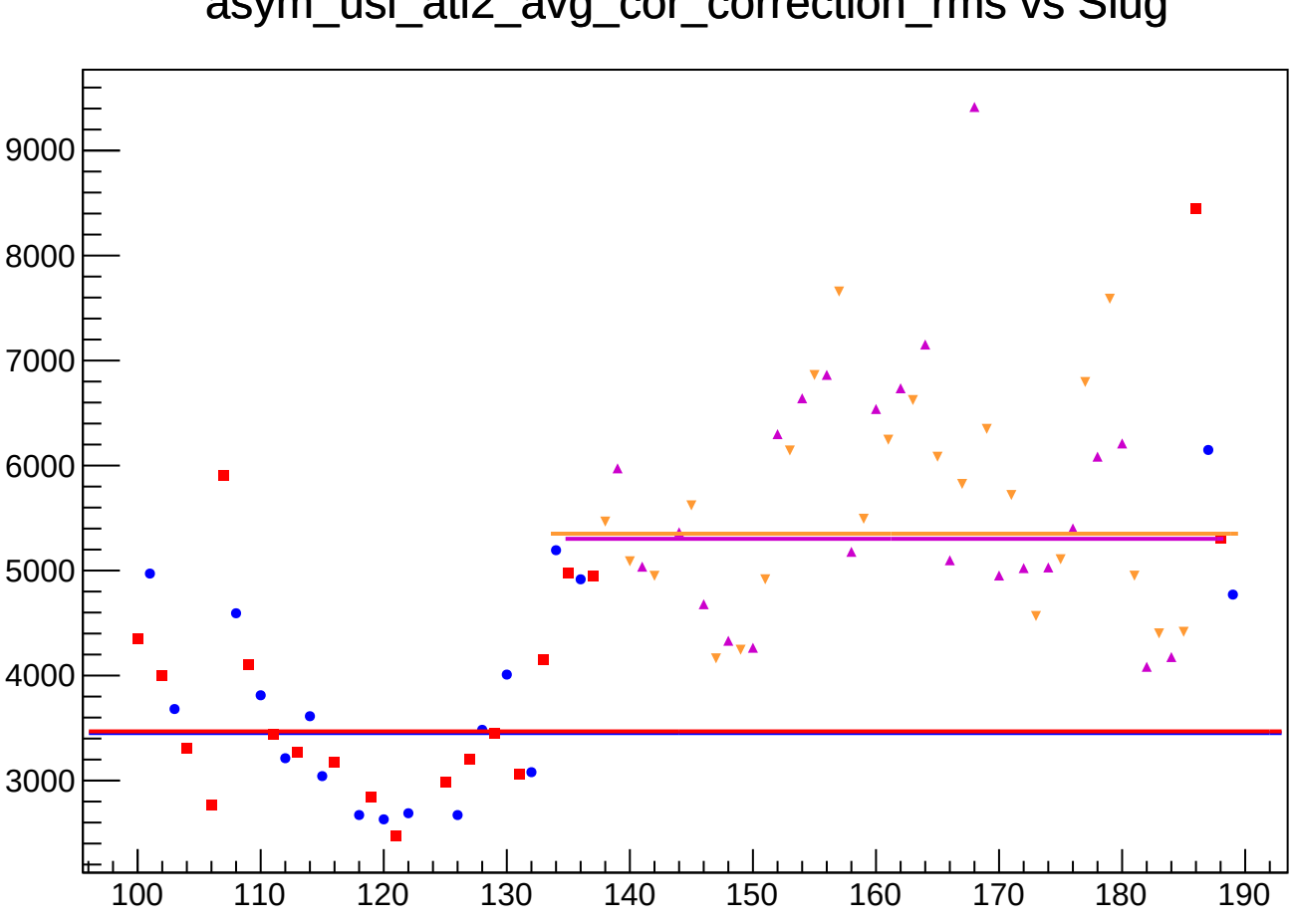
Right Out: 399.703+/-1223.520 χ^2/NDF: 28.6/19

Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

+ sign -801.527+/-895.891 χ^2/NDF: 50.2/41

All: -268.225+/-627.517 χ^2/NDF: 92.8/84

- sign 245.427+/-879.231 χ^2/NDF: 41.9/42



Right In: 3452.341+/-0.895 χ^2/NDF: 913933.8/17

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3468.329+/-0.865 χ^2/NDF: 1081534.0/19

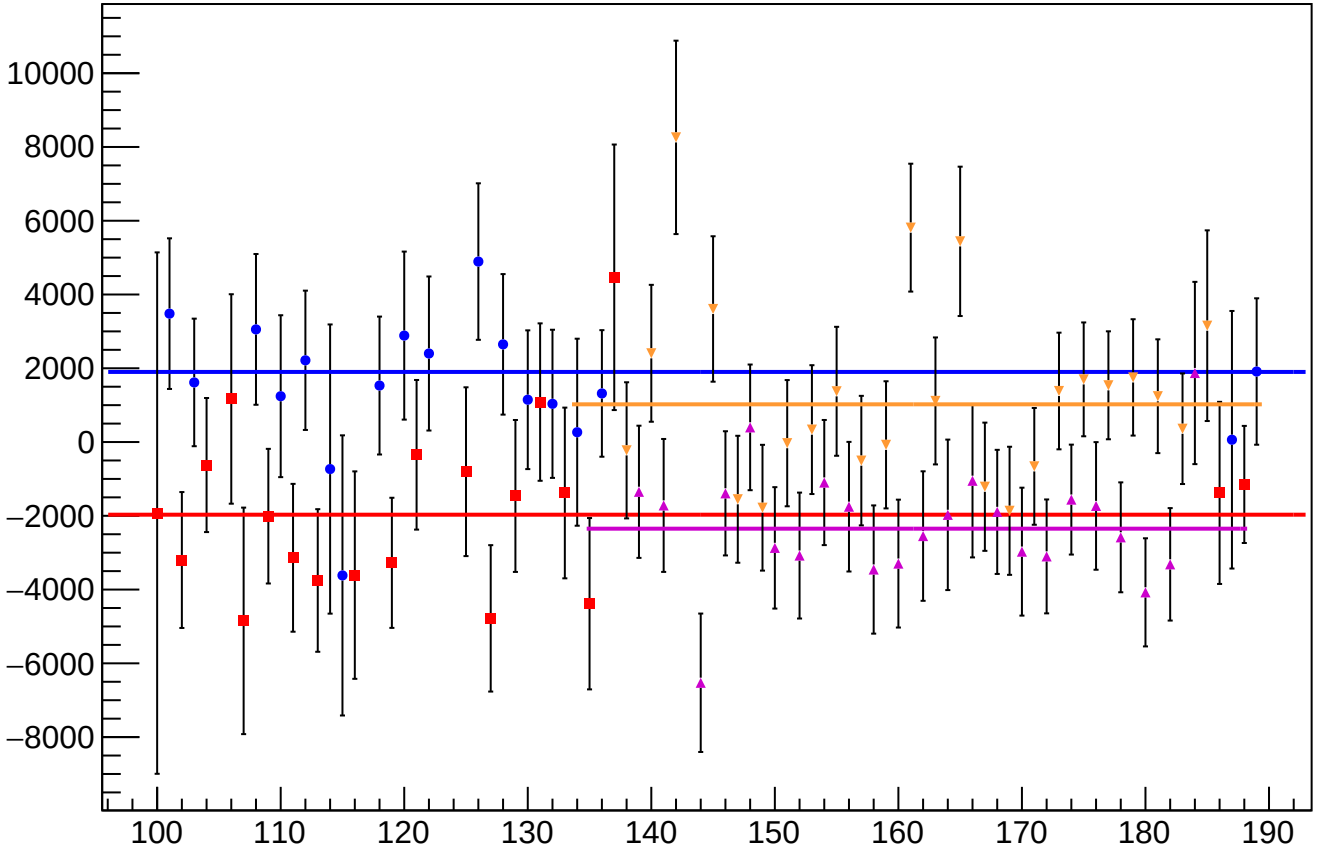
Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

+ sign 4399.738+/-0.633 χ^2/NDF: 4225984.3/41

All: 4377.042+/-0.444 χ^2/NDF: 8739180.1/84

- sign 4355.182+/-0.622 χ^2/NDF: 4510676.0/42

eigen_cor_asym_usl_atl2_avg_mean vs Slug



Right In: 1900.694+/-499.795 χ^2/NDF: 7.2/17

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: -1970.117+/-484.218 χ^2/NDF: 14.9/19

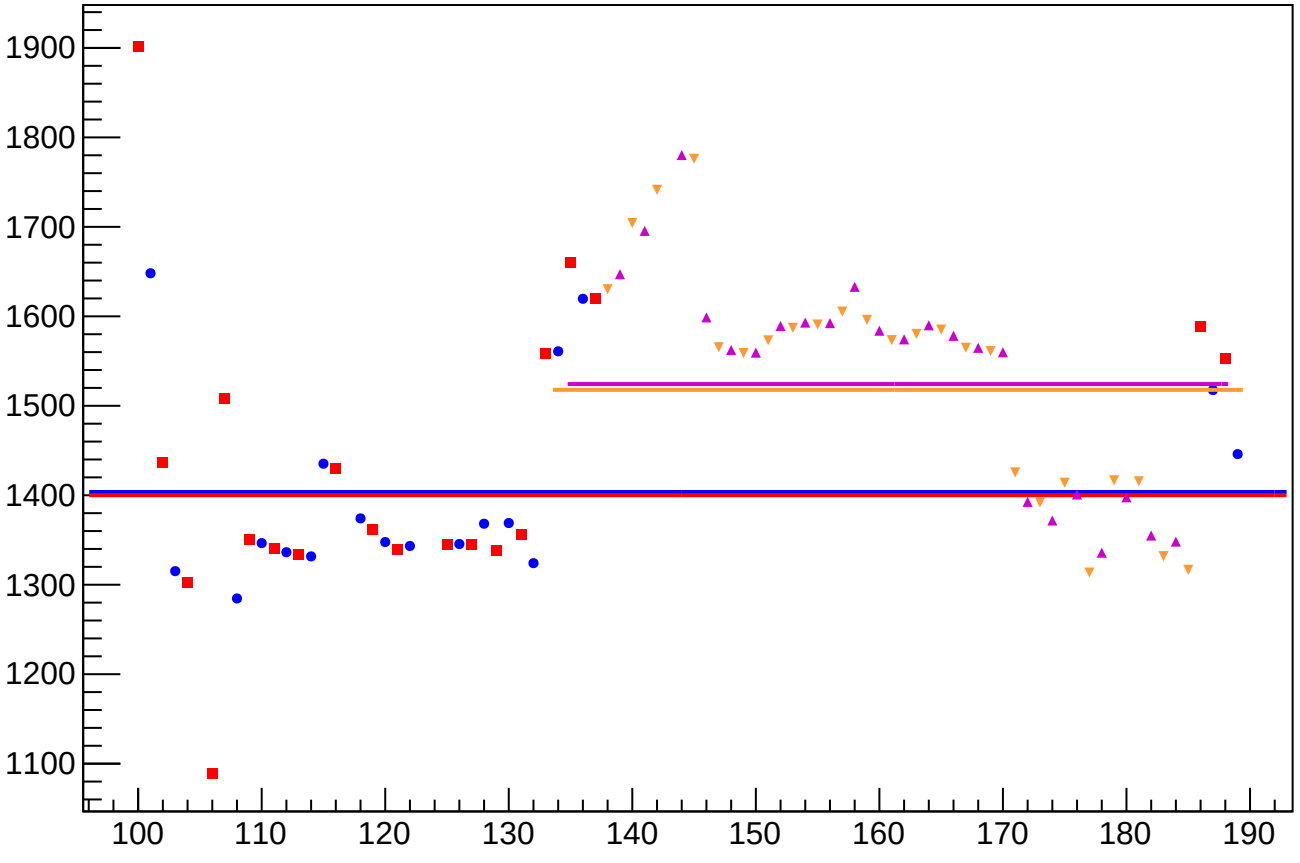
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1315.376+/-288.584 χ^2/NDF: 45.7/41

All: -457.517+/-203.633 χ^2/NDF: 152.1/84

- sign -2215.663+/-287.382 χ^2/NDF: 31.2/42

eigen_cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1403.640+/-0.353 χ^2/NDF: 97185.1/17

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

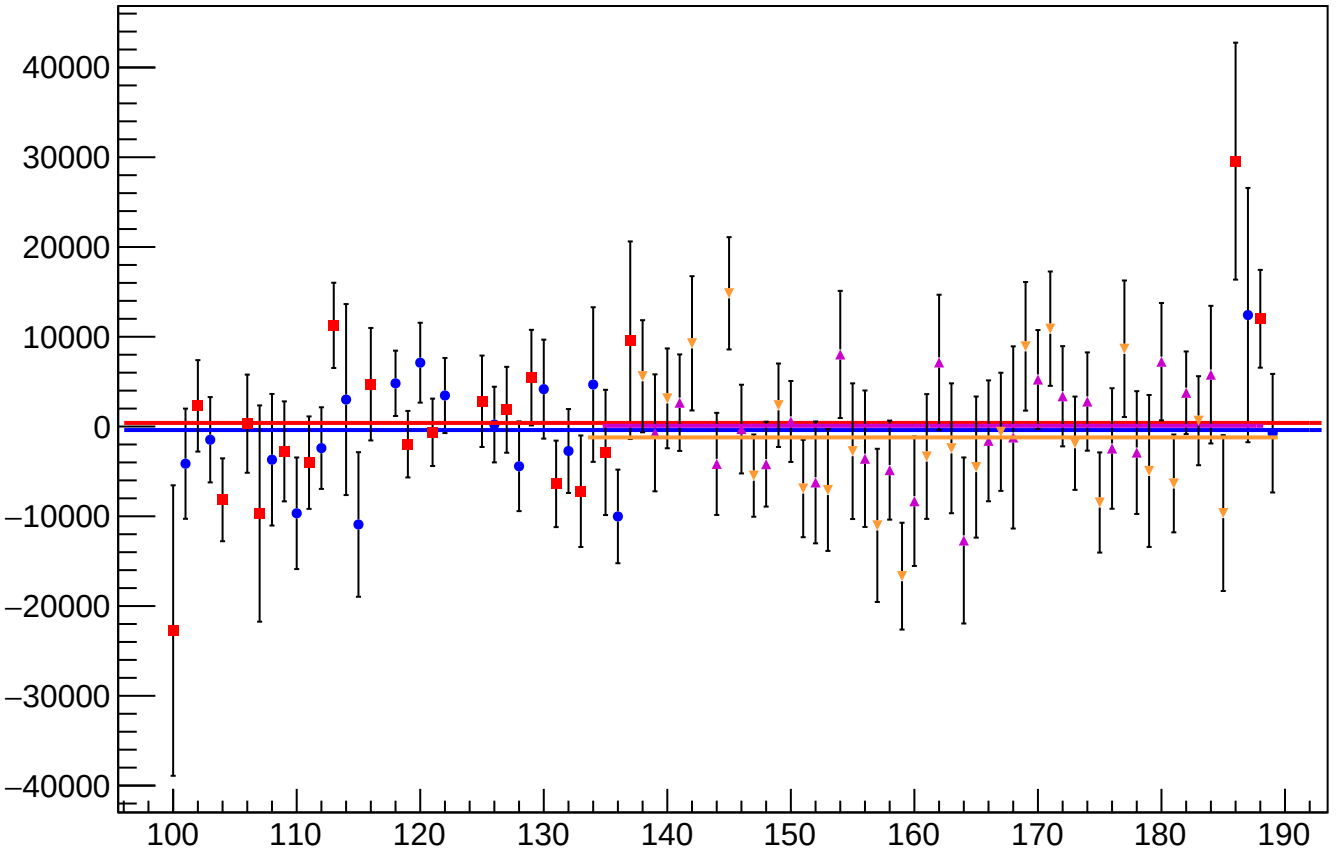
Right Out: 1400.055+/-0.338 χ^2/NDF: 148534.5/19

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1479.750+/-0.204 χ^2/NDF: 400718.5/41

All: 1479.817+/-0.144 χ^2/NDF: 860179.3/84

- sign 1479.883+/-0.202 χ^2/NDF: 459460.6/42



Right In: -392.890+/-1265.650 χ^2/NDF: 16.8/17

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

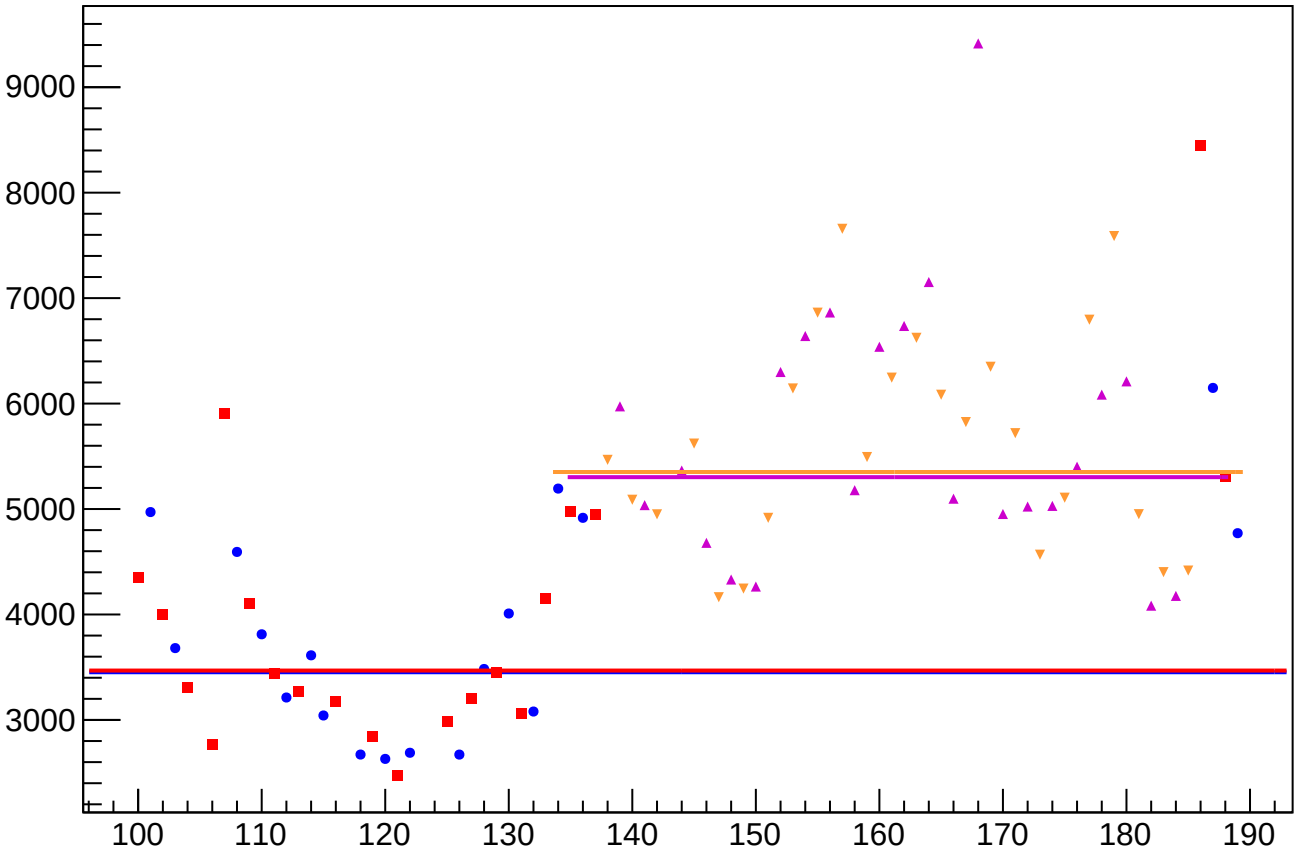
Right Out: 399.703+/-1223.520 χ^2/NDF: 28.6/19

Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

+ sign -801.527+/-895.891 χ^2/NDF: 50.2/41

All: -268.225+/-627.517 χ^2/NDF: 92.8/84

- sign 245.427+/-879.231 χ^2/NDF: 41.9/42


asym_usl_atl2_avg_eigen_cor_correction_rms vs Slug
9000
8000
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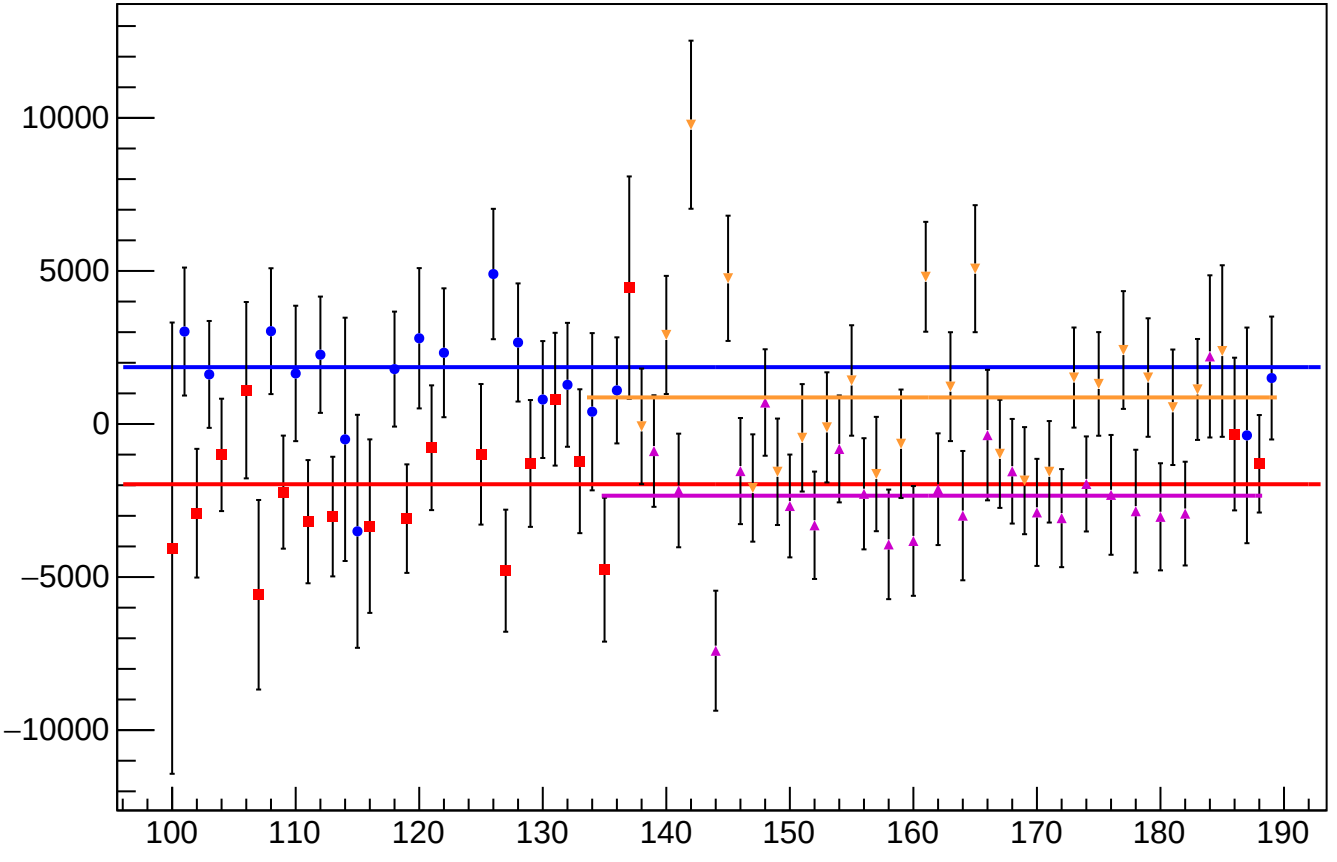
Right In: 3452.341+/-0.895 χ²/NDF: 913933.8/17
Left Out: 5351.132+/-0.897 χ²/NDF:1066039.6/23
Right Out: 3468.329+/-0.865 χ²/NDF: 1081534.0/19
Left In: 5302.177+/-0.894 χ²/NDF:1256324.3/22
+ sign 4399.738+/-0.633 χ²/NDF: 4225984.3/41
All: 4377.042+/-0.444 χ²/NDF: 8739180.1/84
- sign 4355.182+/-0.622 χ²/NDF: 4510676.0/42

dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1857.118+/-504.595 χ^2/NDF: 6.8/17

Left Out: 868.415+/-377.179 χ^2/NDF:39.7/23

Right Out: -1967.816+/-491.995 χ^2/NDF: 13.9/19

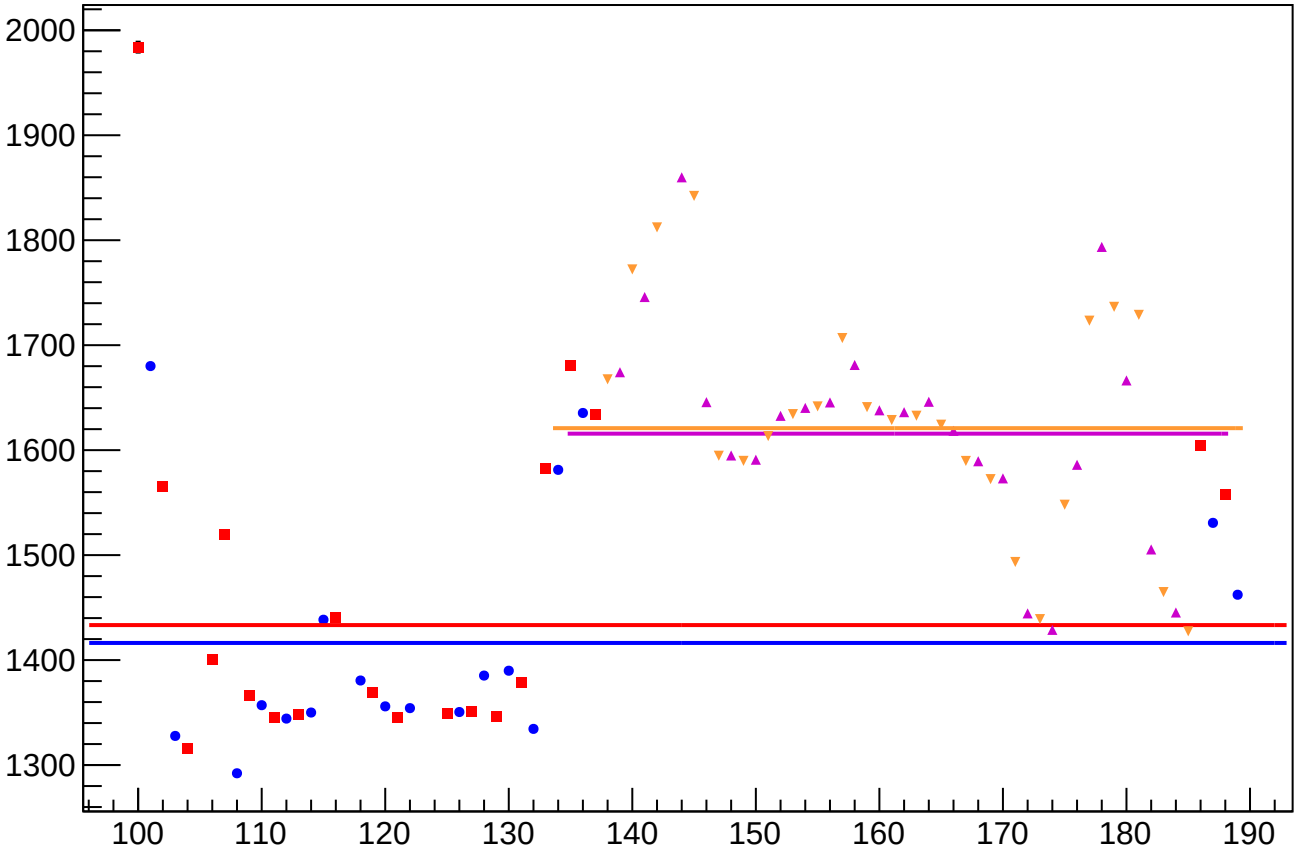
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1222.822+/-302.107 χ^2/NDF: 49.0/41

All: -503.326+/-212.803 χ^2/NDF: 146.1/84

- sign -2203.248+/-299.803 χ^2/NDF: 32.3/42

dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1416.324+/-0.357 χ^2/NDF: 102543.0/17

Left Out: 1620.945+/-0.267 χ^2/NDF:141985.5/23

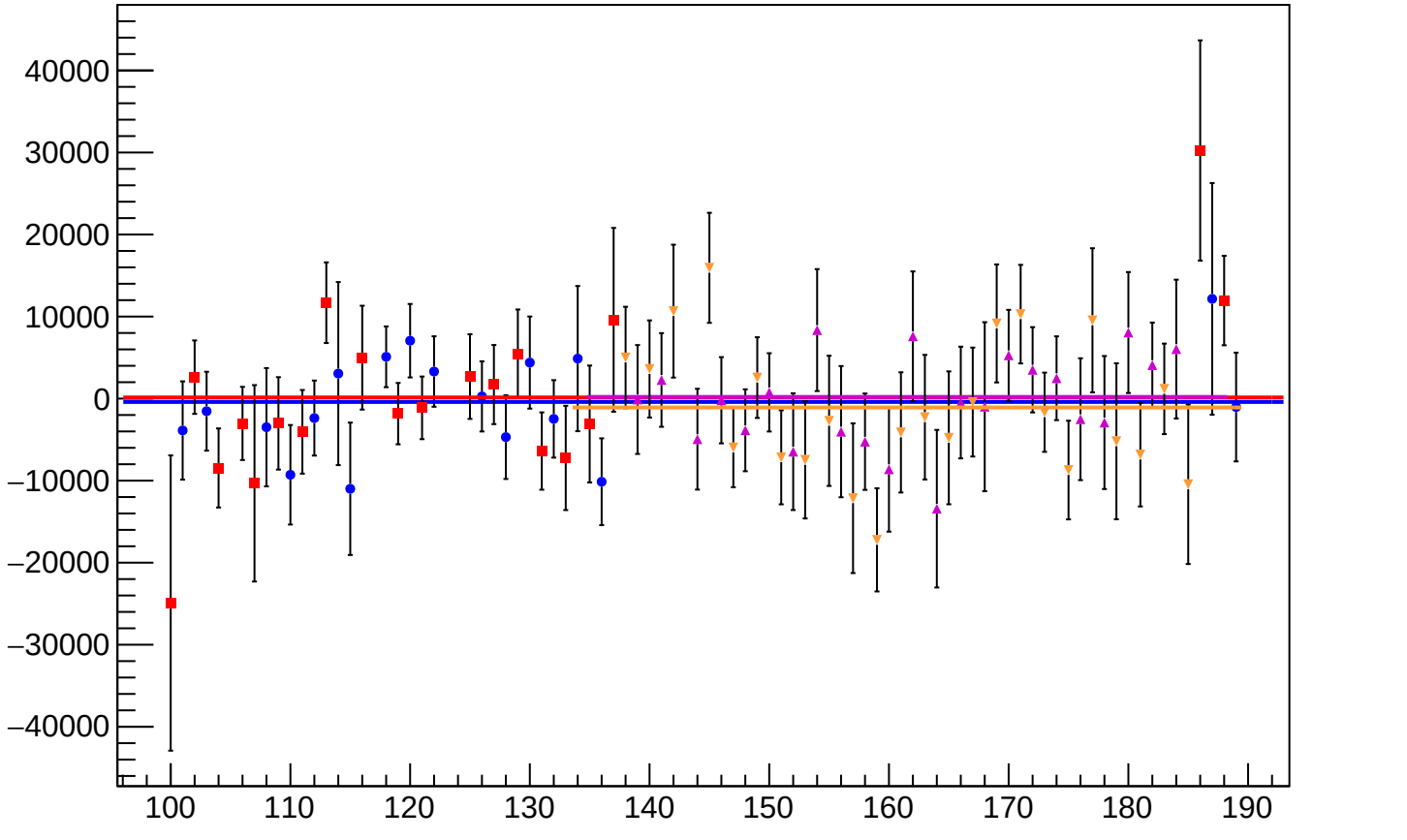
Right Out: 1433.346+/-0.347 χ^2/NDF: 114590.4/19

Left In: 1615.705+/-0.267 χ^2/NDF:137139.2/22

+ sign 1547.597+/-0.214 χ^2/NDF: 455522.7/41

All: 1547.696+/-0.150 χ^2/NDF: 880494.1/84

- sign 1547.794+/-0.212 χ^2/NDF: 424971.0/42



Right In: -405.672+/-1278.626 χ^2/NDF: 16.6/17

Left Out: -1082.232+/-1332.403 χ^2/NDF:32.9/23

Right Out: 138.112+/-1211.549 χ^2/NDF: 29.4/19

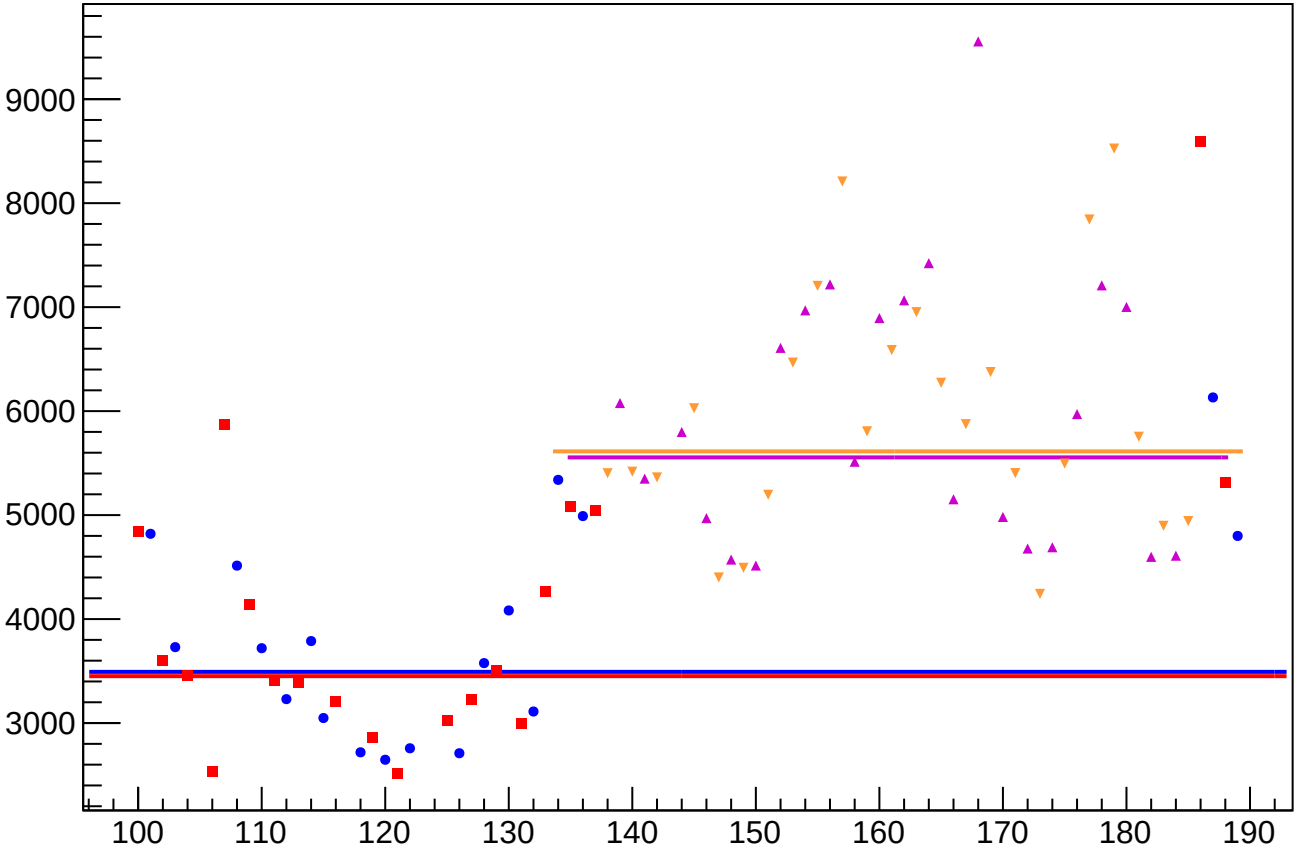
Left In: 201.662+/-1326.173 χ^2/NDF:12.9/22

+ sign -730.023+/-922.551 χ^2/NDF: 49.7/41

All: -267.644+/-642.187 χ^2/NDF: 92.5/84

- sign 167.022+/-894.478 χ^2/NDF: 42.3/42

asym_usl_atl2_avg_dit_correction_rms vs Slug



Right In: 3492.350+/-0.904 χ^2/NDF: 875255.8/17

Left Out: 5612.730+/-0.942 χ^2/NDF:1188118.0/23

Right Out: 3450.932+/-0.857 χ^2/NDF: 1123804.1/19

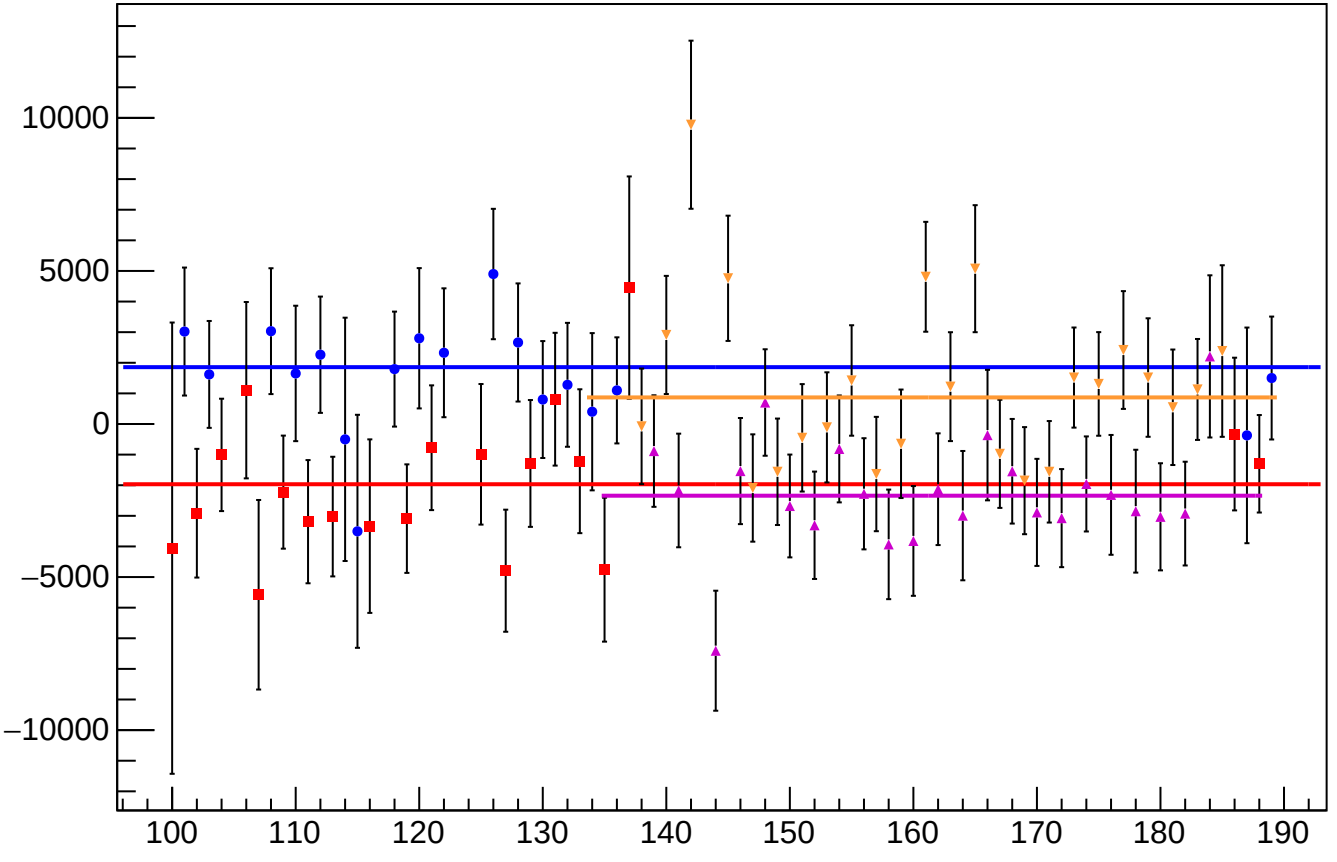
Left In: 5554.927+/-0.938 χ^2/NDF:1332970.4/22

+ sign 4508.887+/-0.652 χ^2/NDF: 4700191.6/41

All: 4456.931+/-0.454 χ^2/NDF: 9913220.8/84

- sign 4408.089+/-0.632 χ^2/NDF: 5200722.6/42

eigen_dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1857.120+/-504.595 χ^2/NDF: 6.8/17

Left Out: 868.410+/-377.180 χ^2/NDF:39.7/23

Right Out: -1967.818+/-491.995 χ^2/NDF: 13.9/19

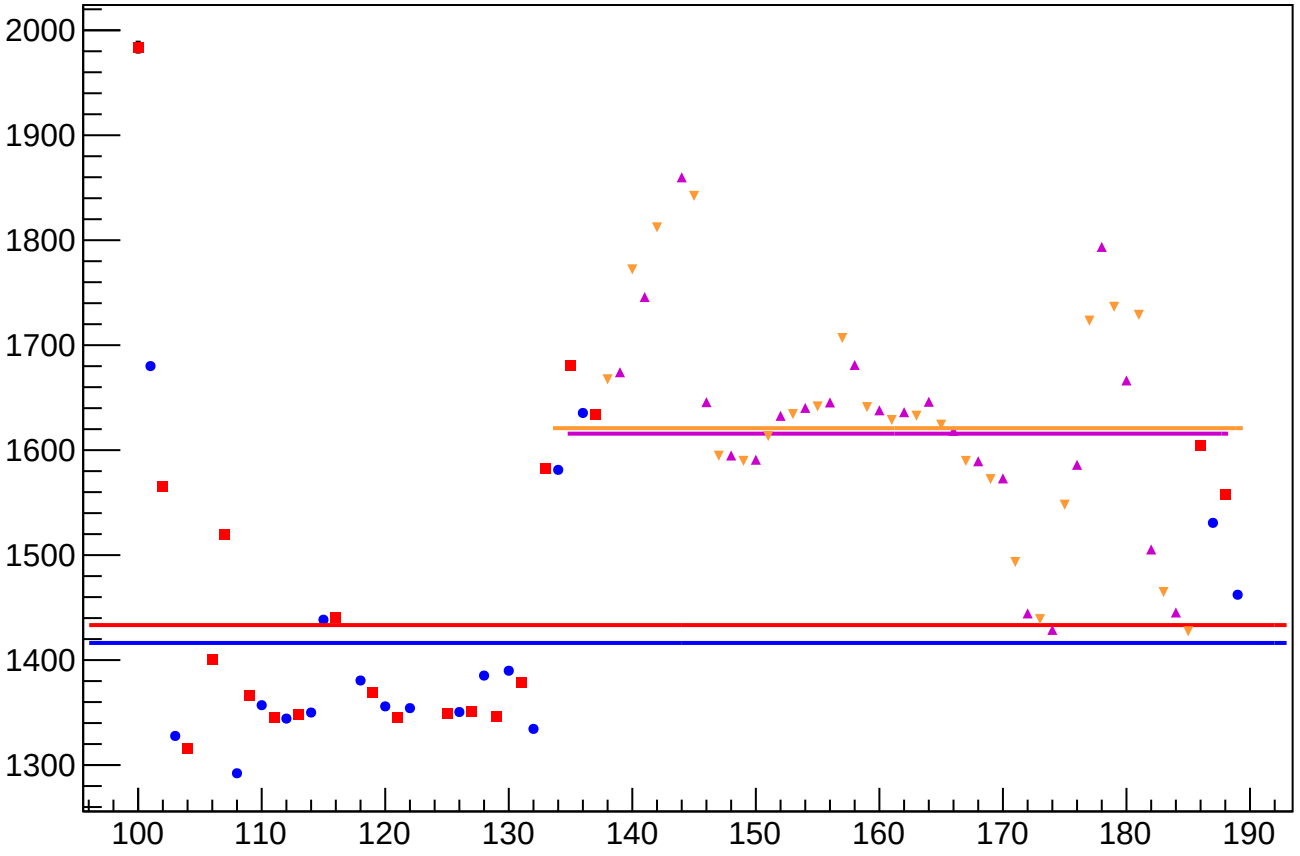
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1222.819+/-302.107 χ^2/NDF: 49.0/41

All: -503.328+/-212.803 χ^2/NDF: 146.1/84

- sign -2203.248+/-299.803 χ^2/NDF: 32.3/42

eigen_dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1416.324+/-0.357 χ^2/NDF: 102543.0/17

Left Out: 1620.946+/-0.267 χ^2/NDF:141990.3/23

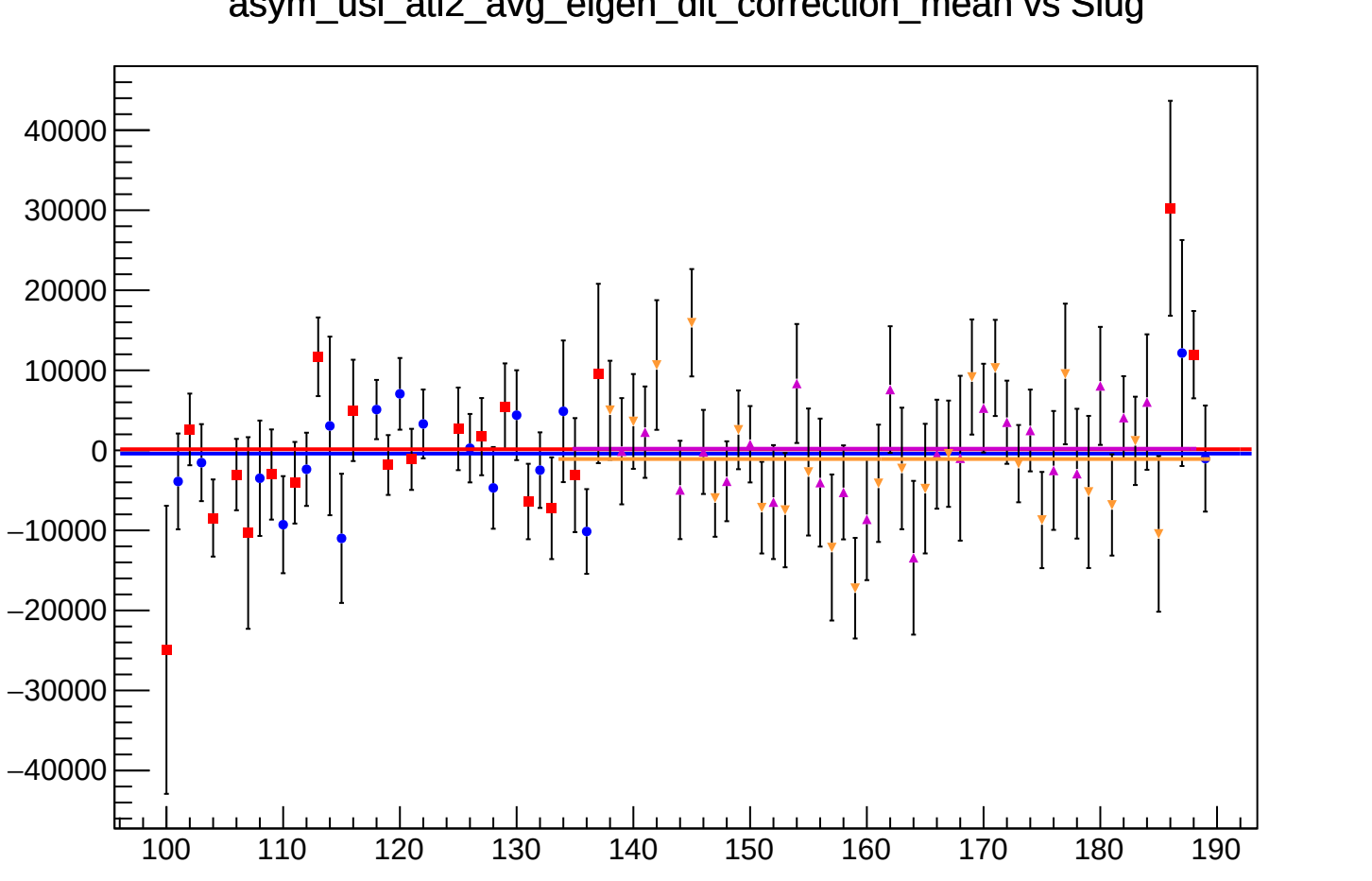
Right Out: 1433.346+/-0.347 χ^2/NDF: 114590.4/19

Left In: 1615.706+/-0.267 χ^2/NDF:137144.0/22

+ sign 1547.598+/-0.214 χ^2/NDF: 455529.9/41

All: 1547.697+/-0.150 χ^2/NDF: 880508.8/84

- sign 1547.794+/-0.212 χ^2/NDF: 424978.5/42



Right In: -405.666+/-1278.623 χ^2/NDF: 16.6/17

Left Out: -1082.239+/-1332.405 χ^2/NDF:32.9/23

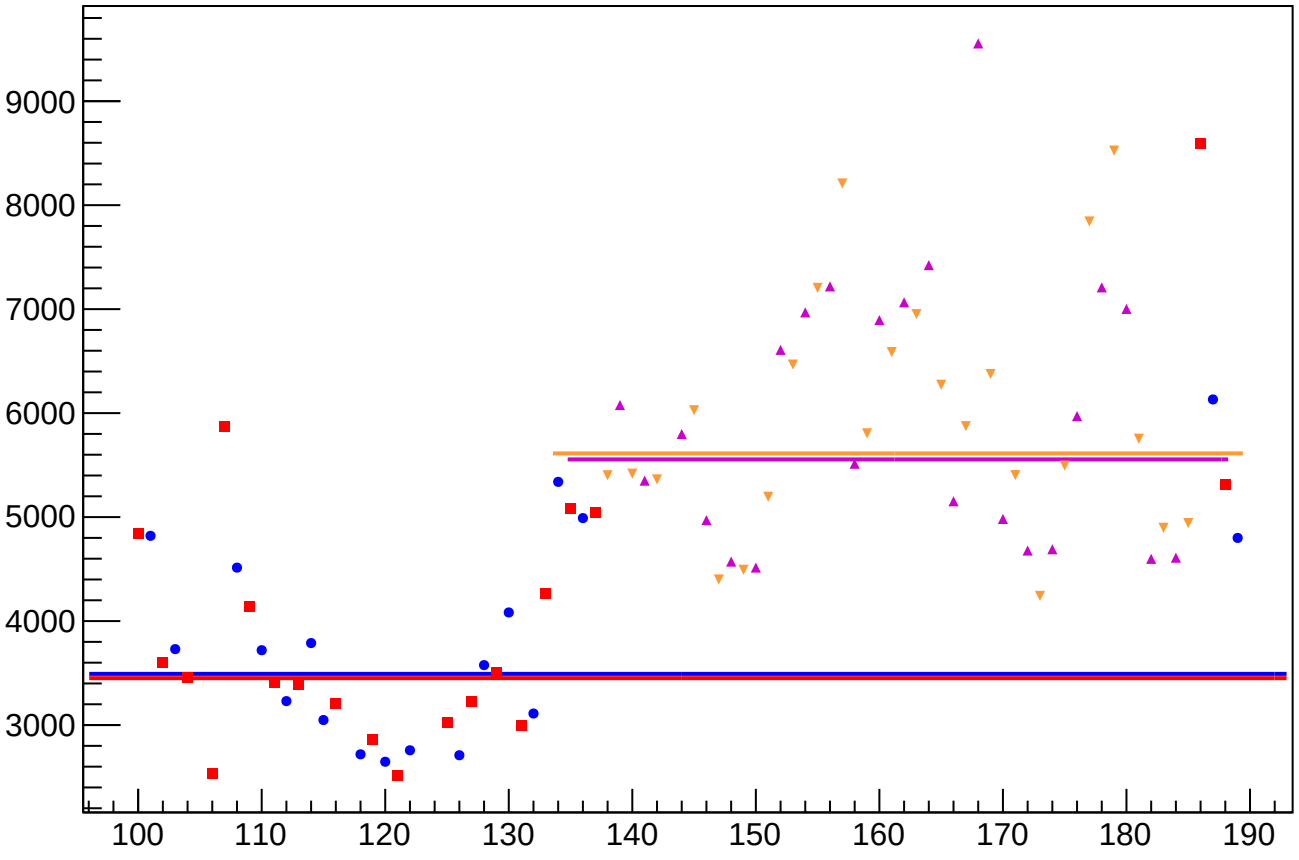
Right Out: 138.104+/-1211.546 χ^2/NDF: 29.4/19

Left In: 201.663+/-1326.175 χ^2/NDF:12.9/22

+ sign -730.022+/-922.550 χ^2/NDF: 49.7/41

All: -267.646+/-642.186 χ^2/NDF: 92.5/84

- sign 167.019+/-894.477 χ^2/NDF: 42.3/42



Right In: 3492.338+/-0.904 χ^2/NDF: 875266.4/17

Left Out: 5612.739+/-0.942 χ^2/NDF:1188118.8/23

Right Out: 3450.922+/-0.857 χ^2/NDF: 1123812.4/19

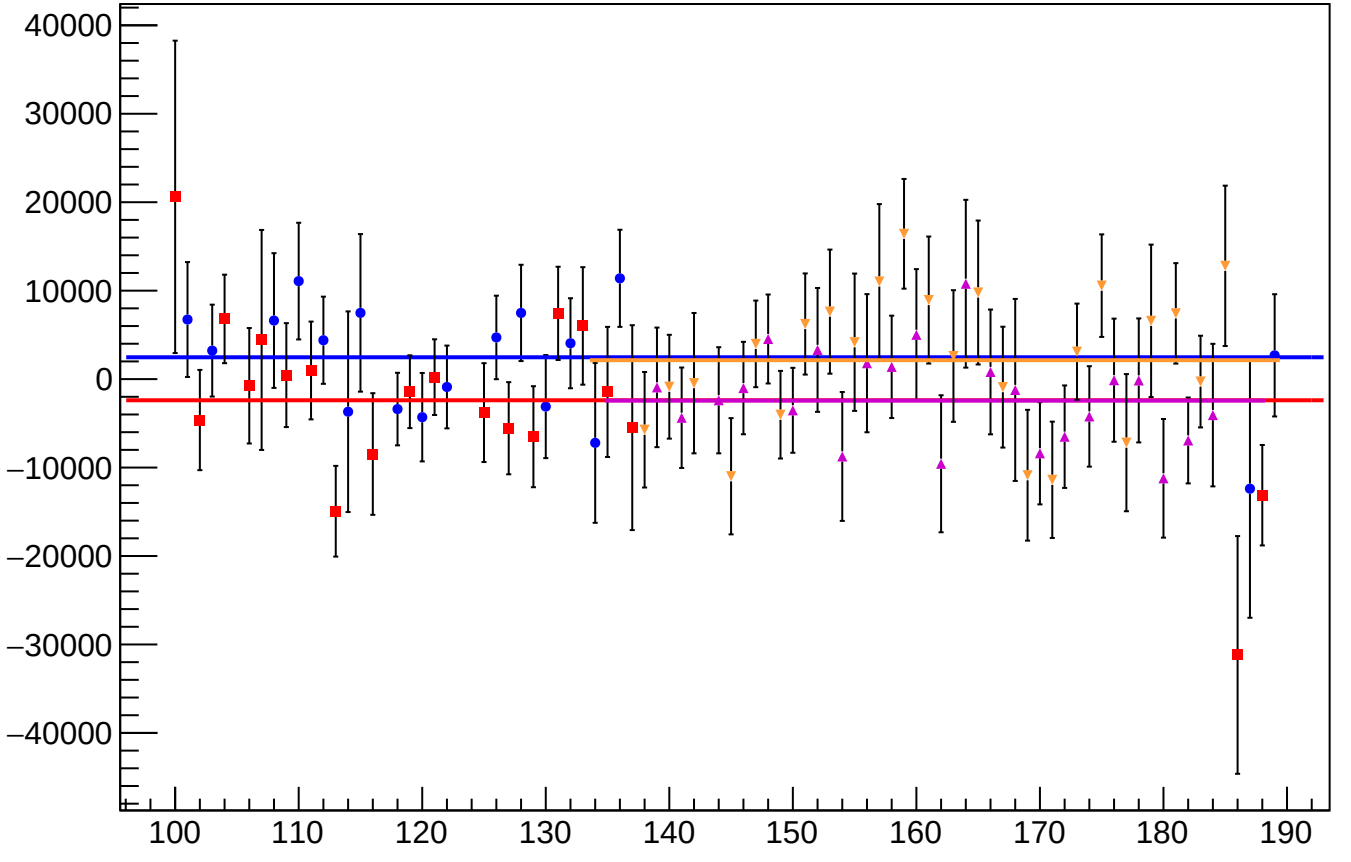
Left In: 5554.935+/-0.938 χ^2/NDF:1332972.0/22

+ sign 4508.881+/-0.652 χ^2/NDF: 4700255.8/41

All: 4456.925+/-0.454 χ^2/NDF: 9913345.0/84

- sign 4408.083+/-0.632 χ^2/NDF: 5200782.7/42

asym_usl_atl2_avg_mean vs Slug



Right In: 2469.150+/-1379.553 χ^2/NDF: 14.5/17

Left Out: 2138.140+/-1324.387 χ^2/NDF:30.7/23

Right Out: -2391.684+/-1336.893 χ^2/NDF: 27.7/19

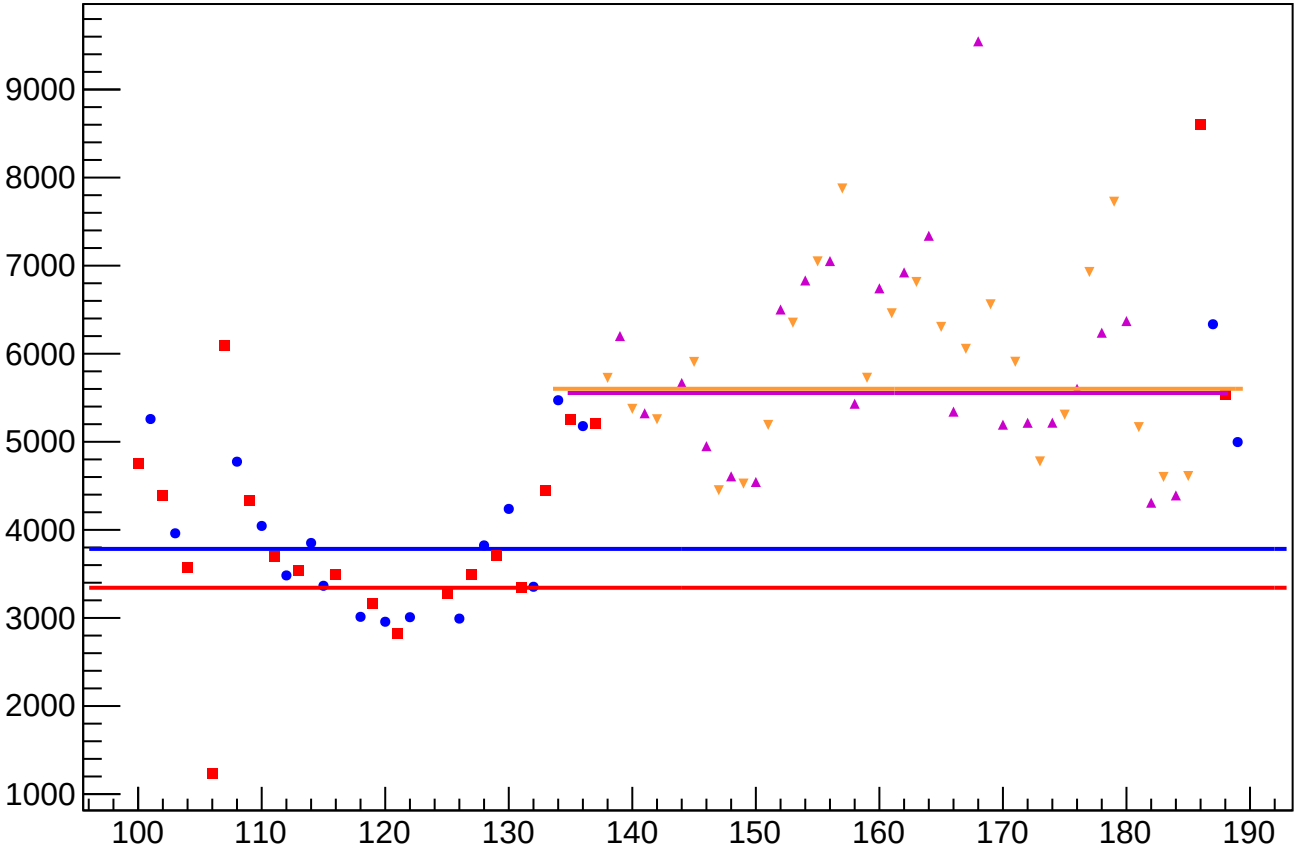
Left In: -2428.059+/-1321.080 χ^2/NDF:12.9/22

+ sign 2296.894+/-955.390 χ^2/NDF: 45.2/41

All: -95.602+/-669.941 χ^2/NDF: 98.1/84

- sign -2410.088+/-939.685 χ^2/NDF: 40.5/42

asym_usl_atl2_avg_rms vs Slug



Right In: 3783.961+/-0.975 χ^2/NDF: 738990.5/17

Left Out: 5602.266+/-0.936 χ^2/NDF:940451.0/23

Right Out: 3342.823+/-0.870 χ^2/NDF: 2244767.1/19

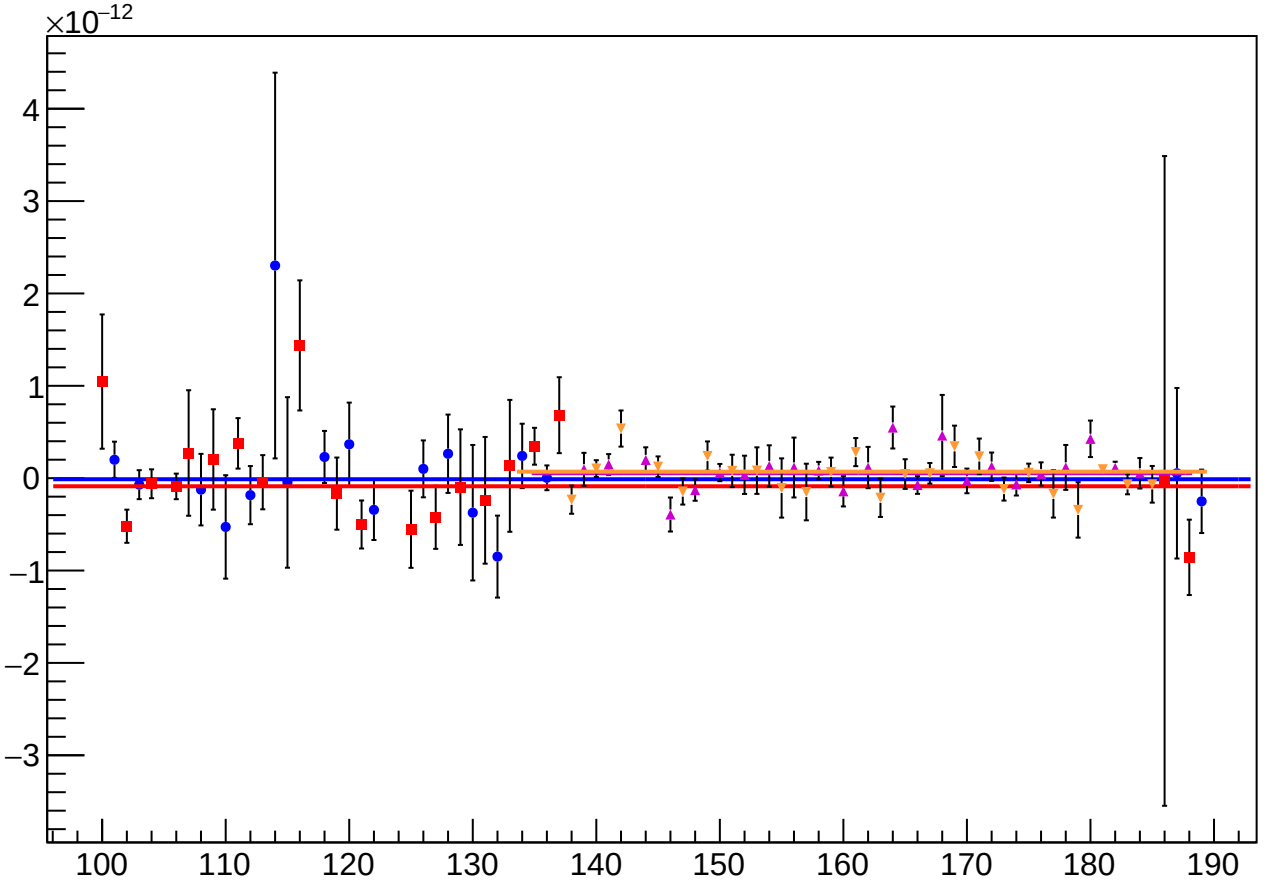
Left In: 5554.054+/-0.934 χ^2/NDF:1112177.4/22

+ sign 4730.193+/-0.676 χ^2/NDF: 3487529.9/41

All: 4539.707+/-0.463 χ^2/NDF: 9993886.6/84

- sign 4370.446+/-0.637 χ^2/NDF: 6356205.6/42

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 11.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:28.3/23

Right Out: -0.000+/-0.000 χ^2/NDF: 33.2/19

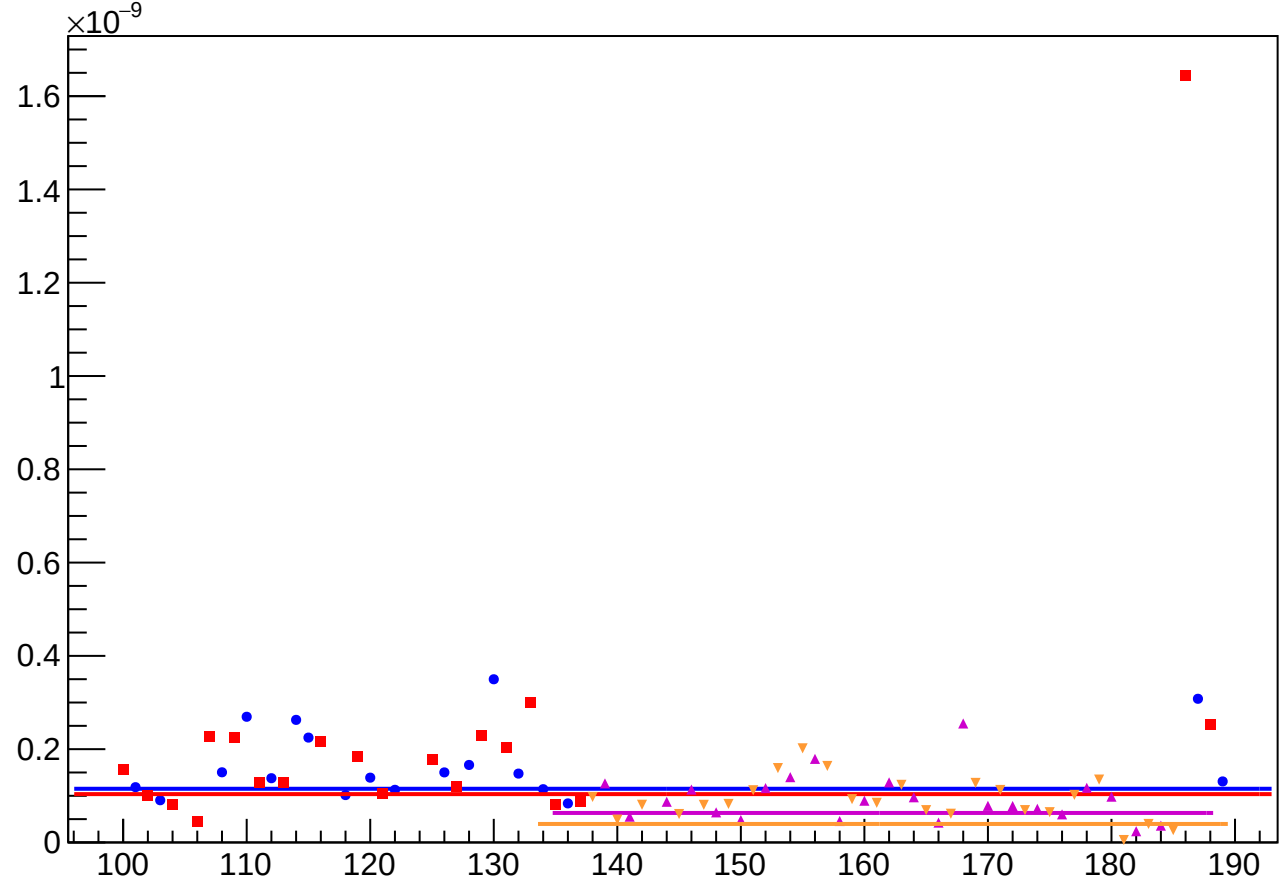
Left In: 0.000+/-0.000 χ^2/NDF:25.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.2/41

All: 0.000+/-0.000 χ^2/NDF: 104.6/84

- sign 0.000+/-0.000 χ^2/NDF: 62.5/42

asym_usl_atl2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 748593.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:6954816.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1762158.8/19

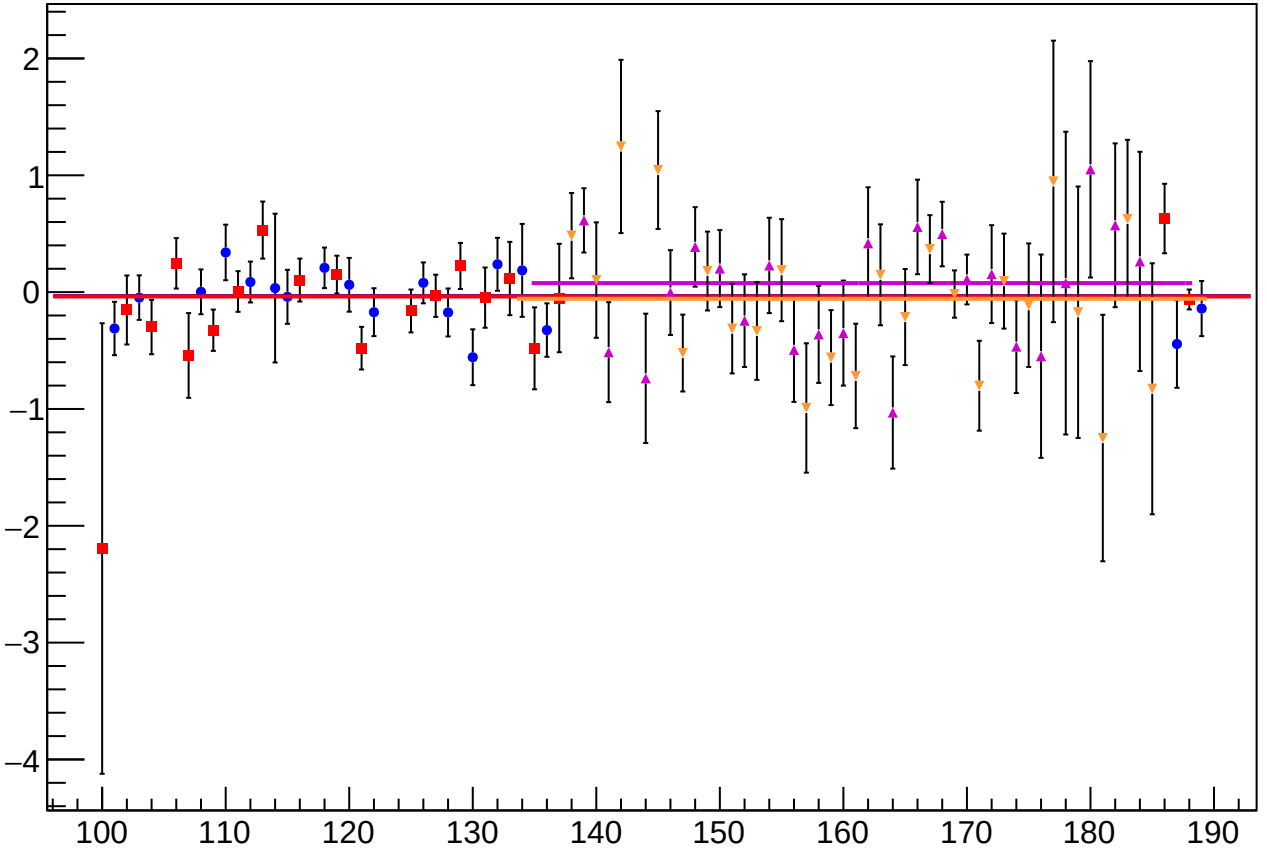
Left In: 0.000+/-0.000 χ^2/NDF:2922990.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 9883952.7/41

All: 0.000+/-0.000 χ^2/NDF: 16175083.9/84

- sign 0.000+/-0.000 χ^2/NDF: 5339098.4/42

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.034+/-0.052 χ^2/NDF: 17.5/17

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: -0.037+/-0.044 χ^2/NDF: 31.5/19

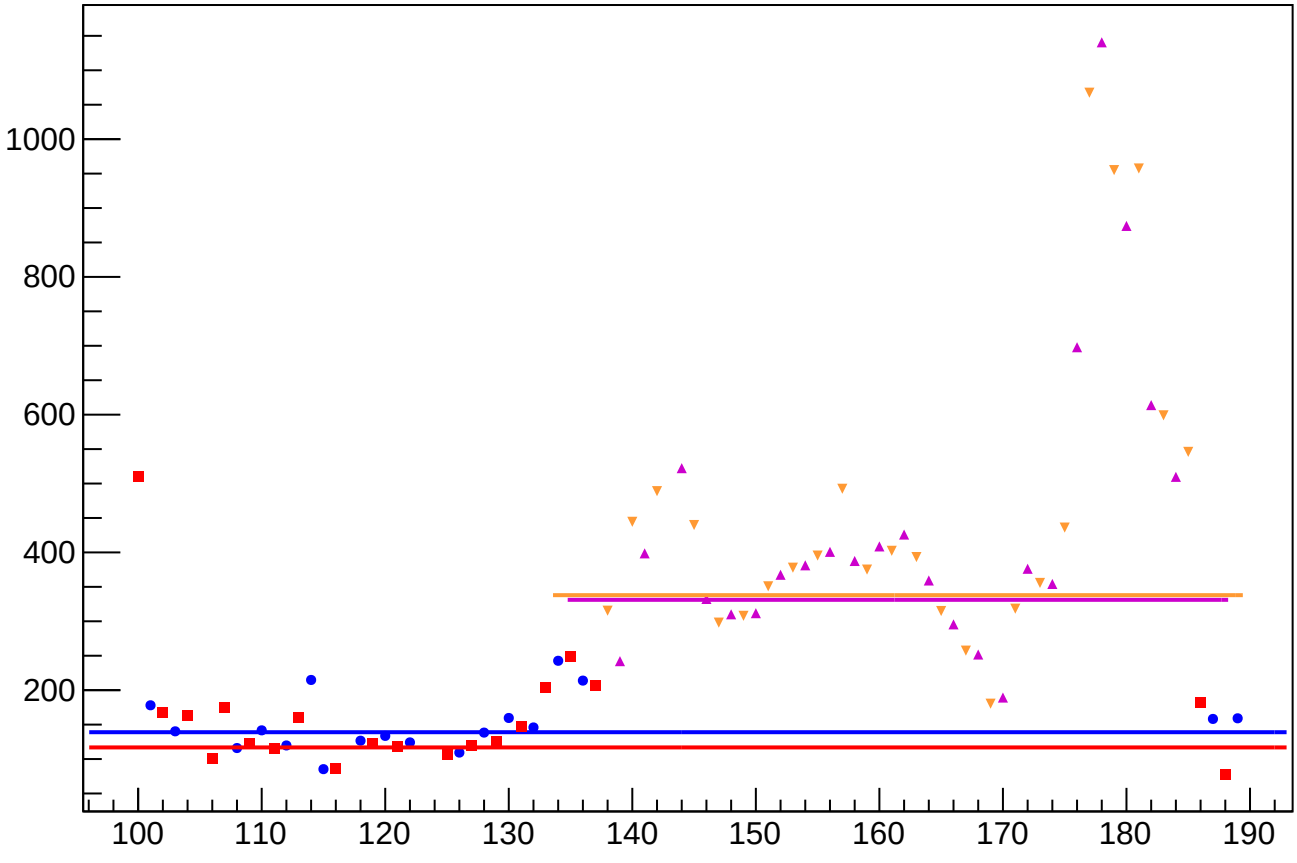
Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.040+/-0.045 χ^2/NDF: 47.9/41

All: -0.024+/-0.029 χ^2/NDF: 108.1/84

- sign -0.012+/-0.039 χ^2/NDF: 59.9/42

asym_usl_atl2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 138.961+/-0.037 χ^2/NDF: 714355.1/17

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

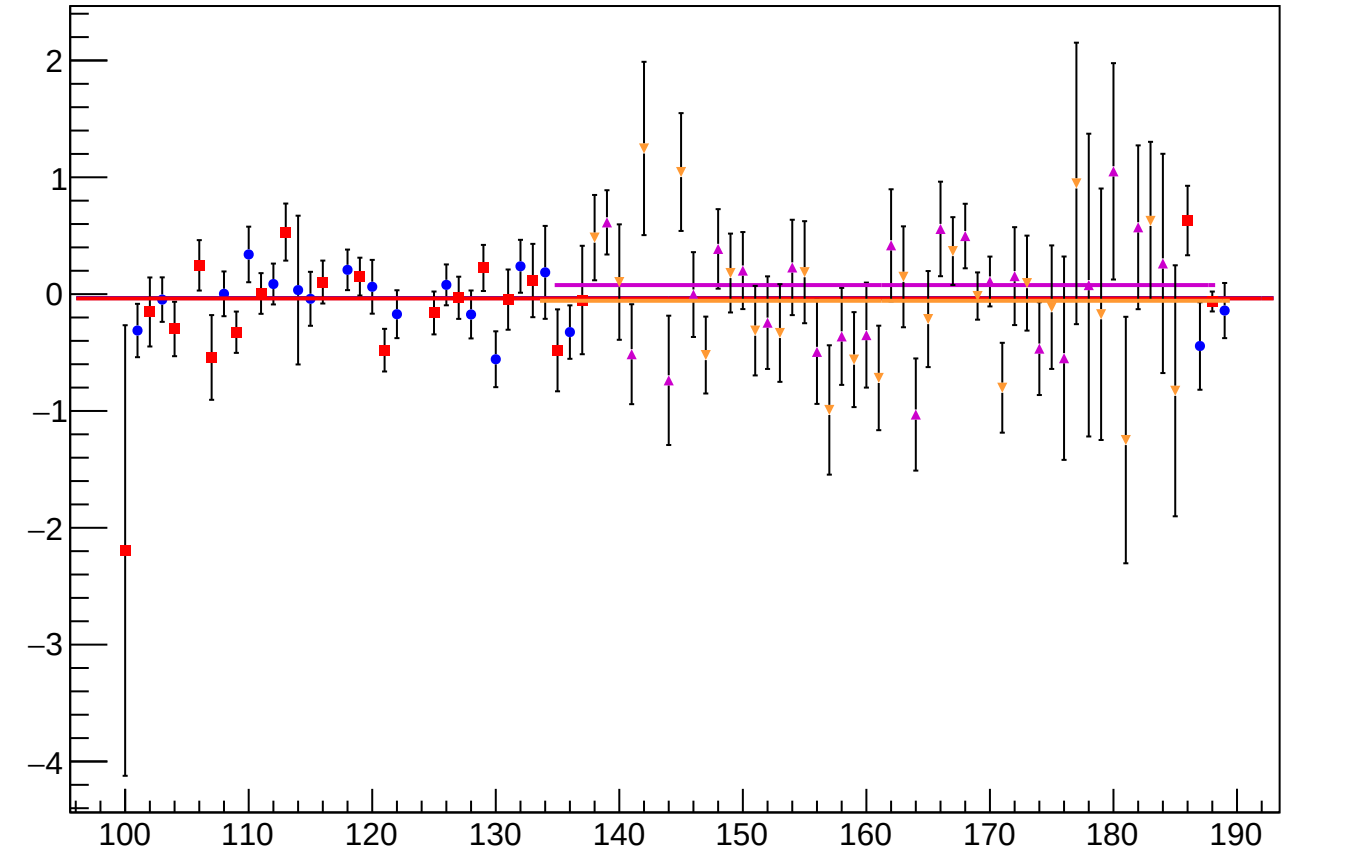
Right Out: 116.866+/-0.031 χ^2/NDF: 1488021.0/19

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 193.196+/-0.032 χ^2/NDF: 13118172.8/41

All: 176.573+/-0.021 χ^2/NDF: 29509937.4/84

- sign 163.838+/-0.028 χ^2/NDF: 15901452.3/42



Right In: -0.034+/-0.052 χ^2/NDF: 17.5/17

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

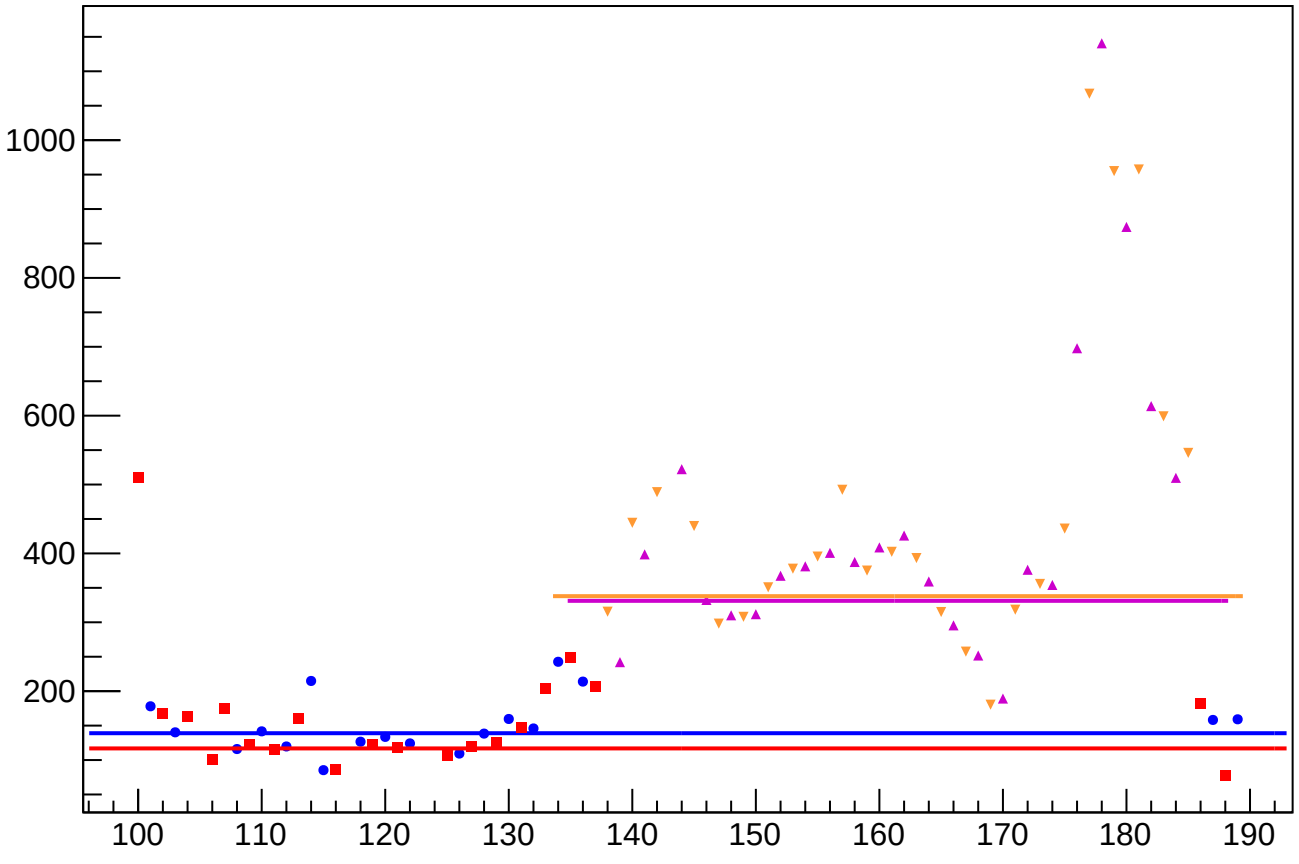
Right Out: -0.037+/-0.044 χ^2/NDF: 31.5/19

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.040+/-0.045 χ^2/NDF: 47.9/41

All: -0.024+/-0.029 χ^2/NDF: 108.1/84

- sign -0.012+/-0.039 χ^2/NDF: 59.9/42



Right In: 138.961+/-0.037 χ^2/NDF: 714355.1/17

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

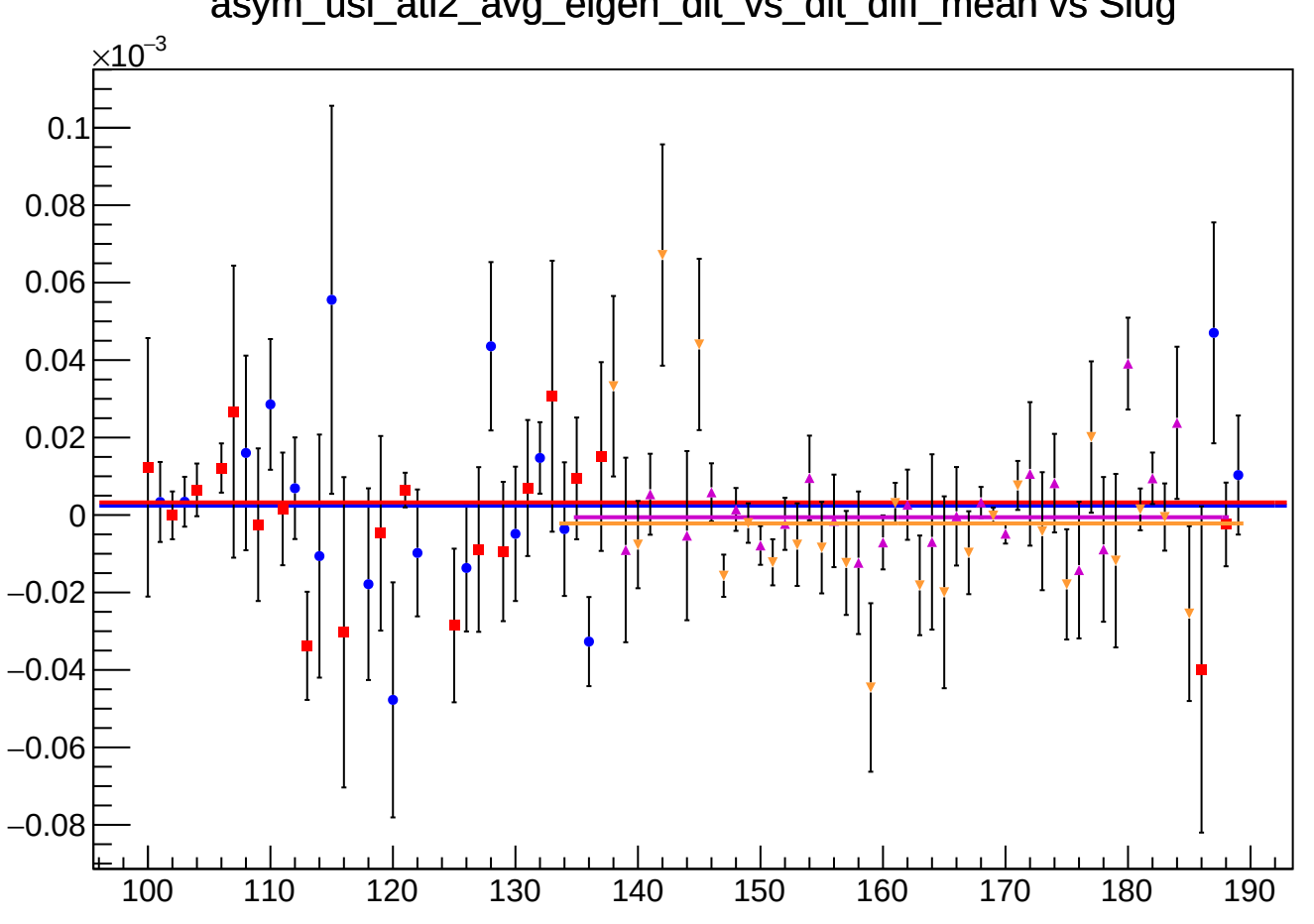
Right Out: 116.866+/-0.031 χ^2/NDF: 1488021.0/19

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 193.196+/-0.032 χ^2/NDF: 13118172.8/41

All: 176.573+/-0.021 χ^2/NDF: 29509937.4/84

- sign 163.838+/-0.028 χ^2/NDF: 15901452.3/42



Right In: 0.000+/-0.000 χ^2/NDF: 26.7/17

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/23

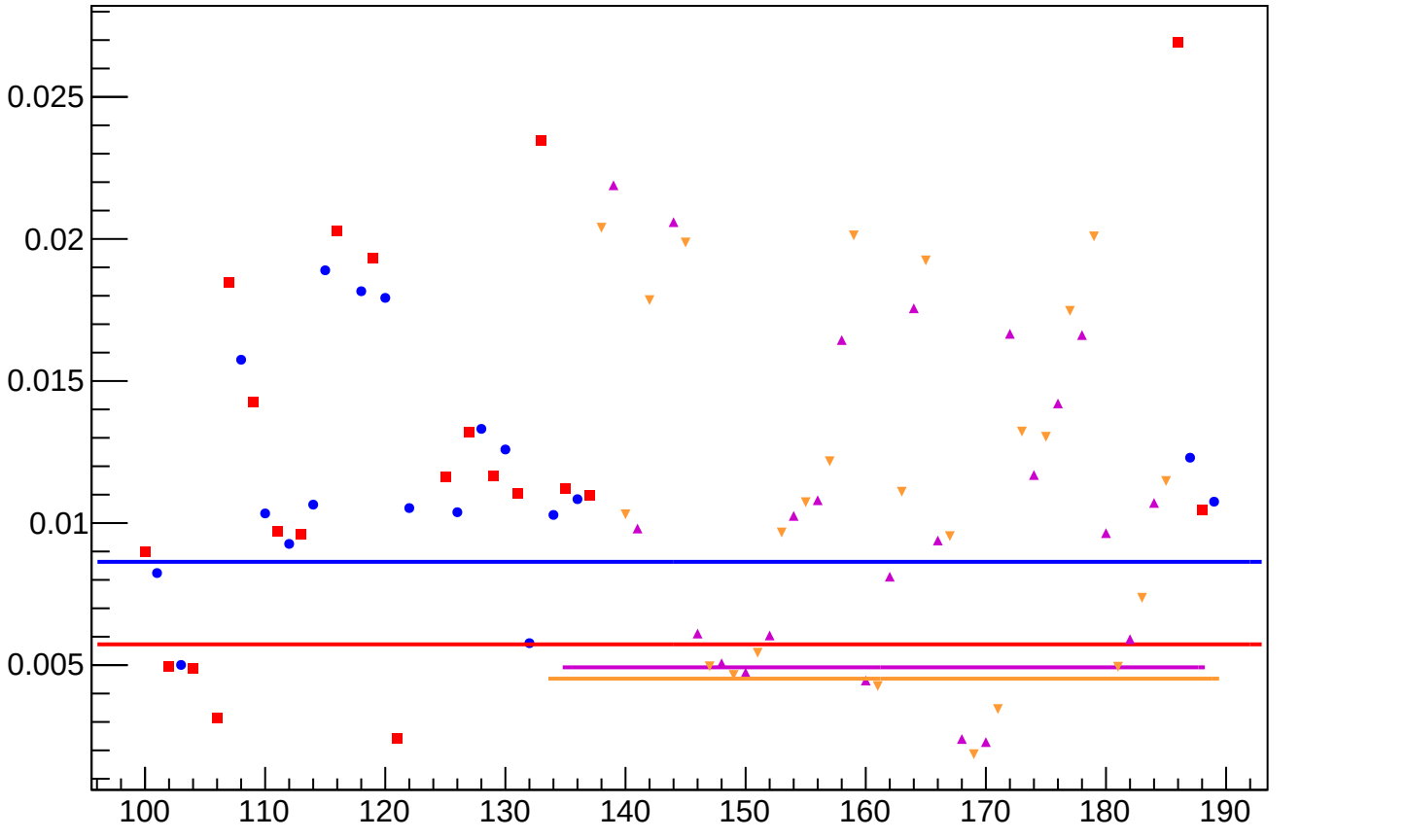
Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/19

Left In: -0.000+/-0.000 χ^2/NDF:26.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 66.2/41

All: -0.000+/-0.000 χ^2/NDF: 112.5/84

- sign 0.000+/-0.000 χ^2/NDF: 45.1/42



Right In: 0.009+/-0.000 χ^2/NDF: 2001301.1/17

Left Out: 0.005+/-0.000 χ^2/NDF:14239550.6/23

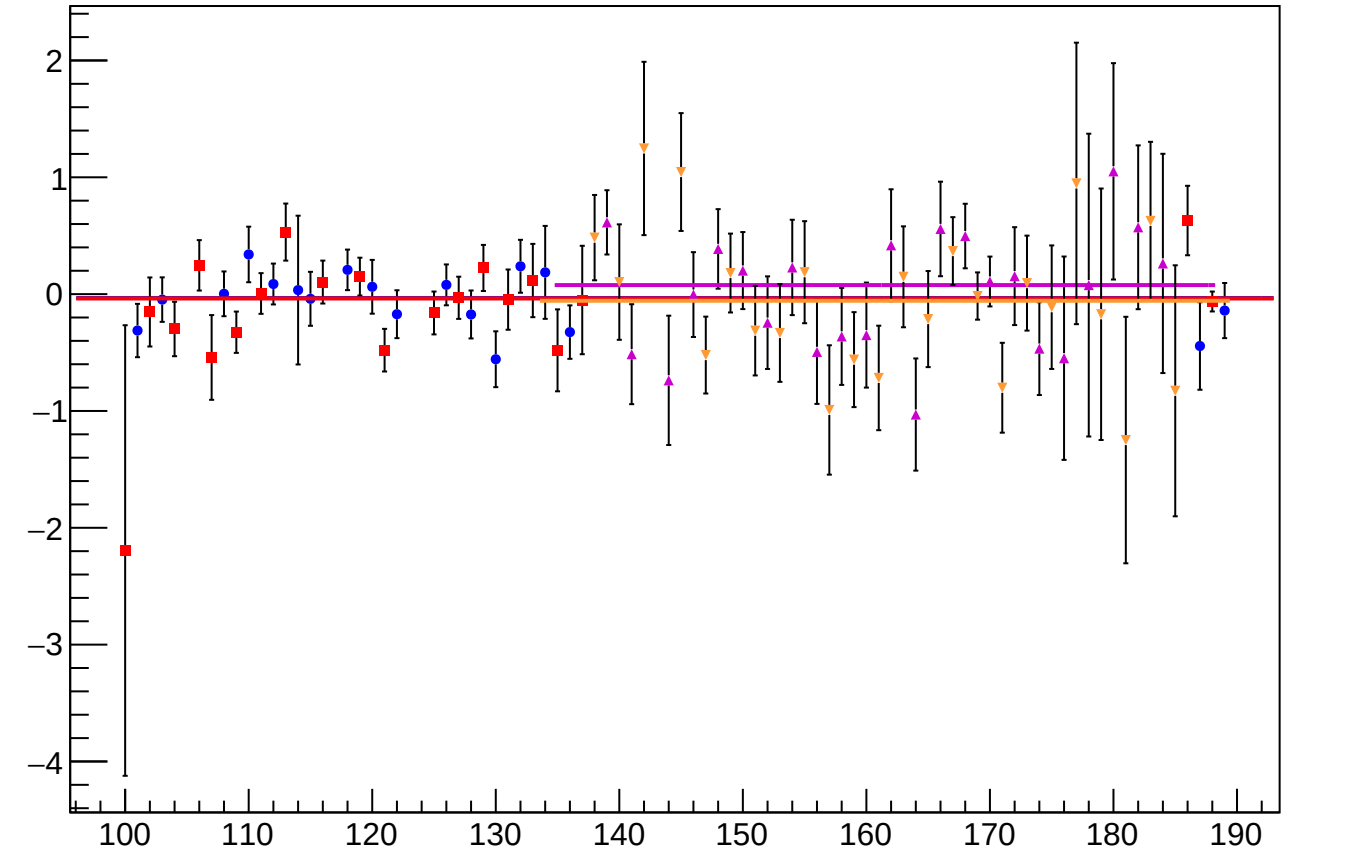
Right Out: 0.006+/-0.000 χ^2/NDF: 5832086.2/19

Left In: 0.005+/-0.000 χ^2/NDF:11626984.8/22

+ sign 0.005+/-0.000 χ^2/NDF: 18817239.1/41

All: 0.005+/-0.000 χ^2/NDF: 36434522.1/84

- sign 0.005+/-0.000 χ^2/NDF: 17617279.3/42



Right In: -0.034+/-0.052 χ^2/NDF: 17.5/17

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: -0.037+/-0.044 χ^2/NDF: 31.5/19

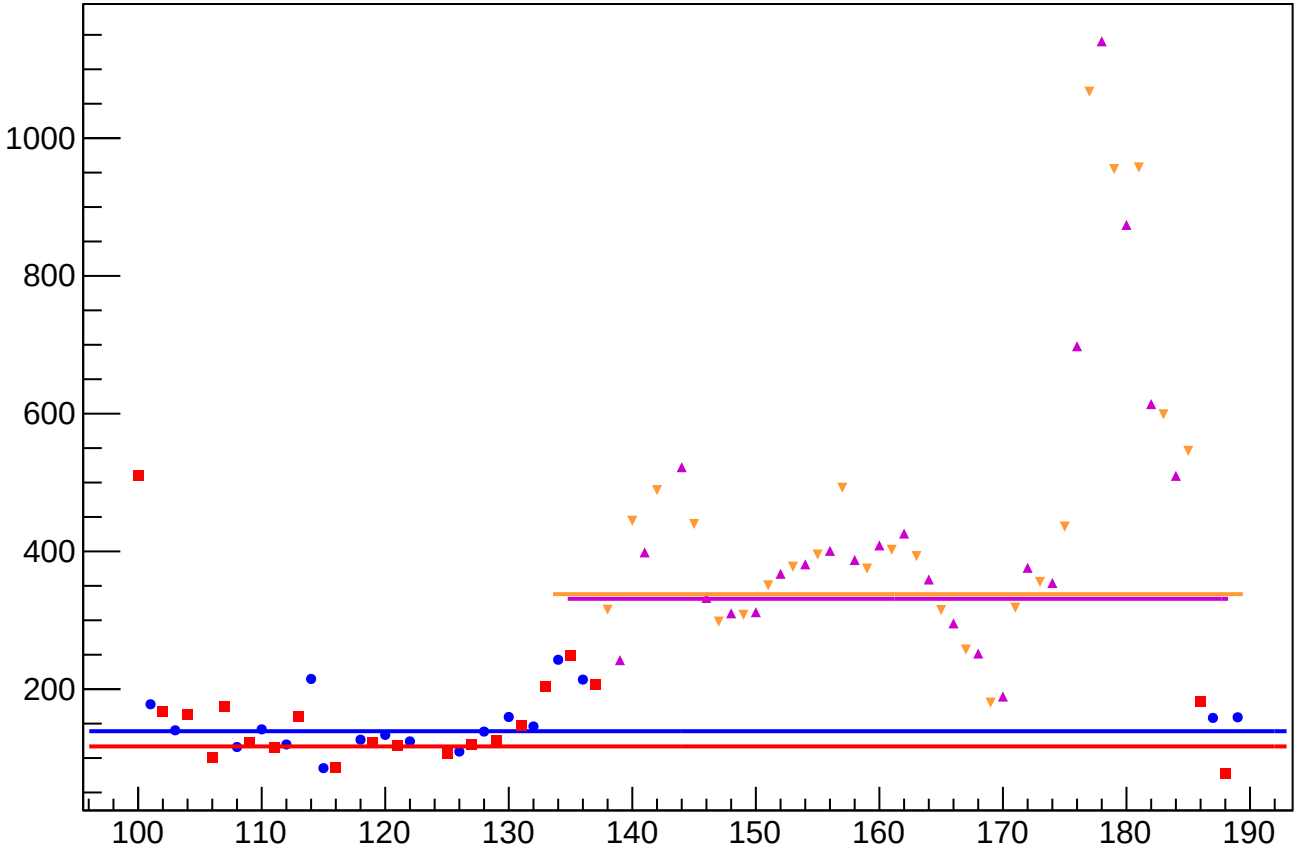
Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.040+/-0.045 χ^2/NDF: 47.9/41

All: -0.024+/-0.029 χ^2/NDF: 108.1/84

- sign -0.012+/-0.039 χ^2/NDF: 59.9/42

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 138.961+/-0.037 χ^2/NDF: 714345.1/17

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

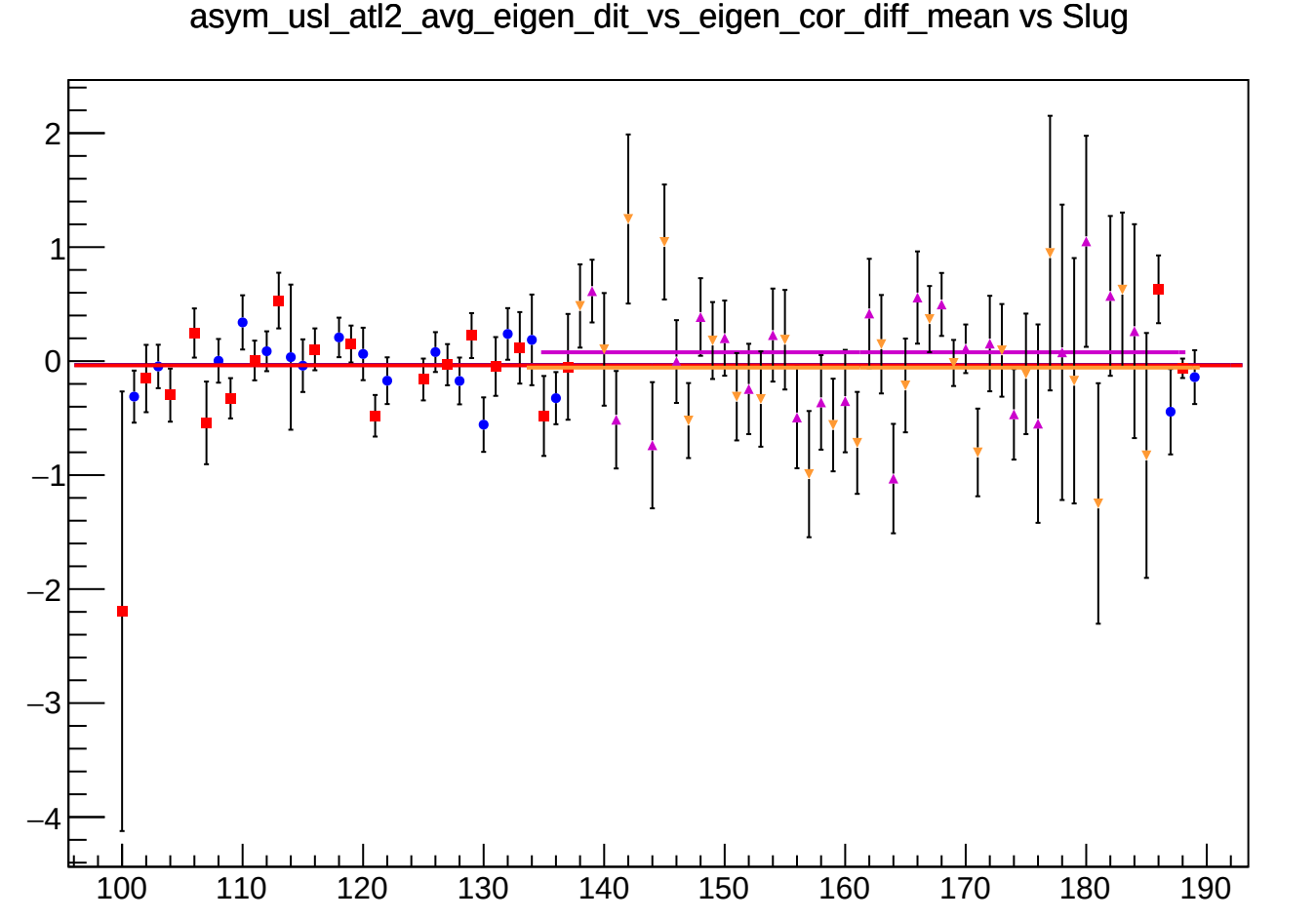
Right Out: 116.864+/-0.031 χ^2/NDF: 1488076.1/19

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 193.197+/-0.032 χ^2/NDF: 13118282.8/41

All: 176.571+/-0.021 χ^2/NDF: 29510624.1/84

- sign 163.835+/-0.028 χ^2/NDF: 15901921.3/42



Right In: -0.034+/-0.052 χ^2/NDF: 17.5/17

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

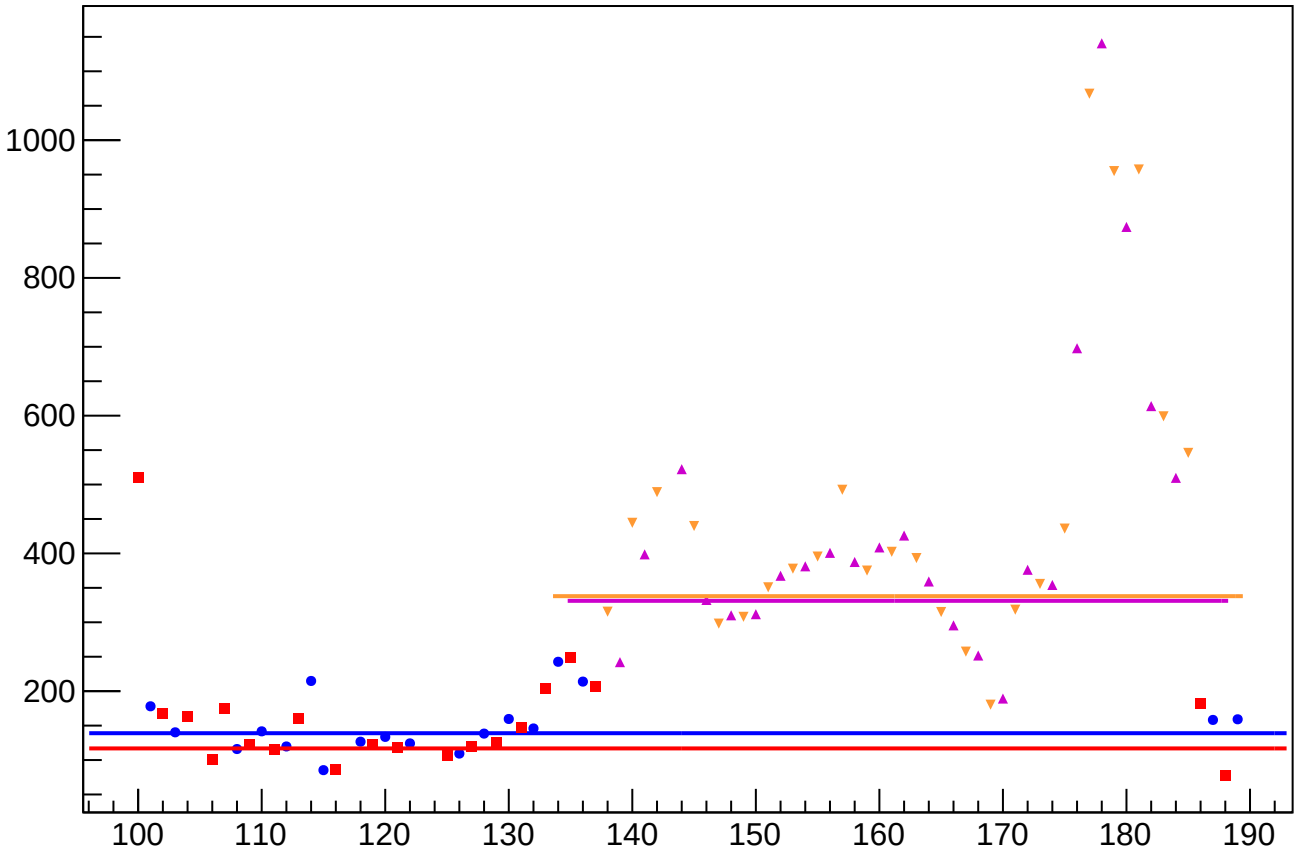
Right Out: -0.037+/-0.044 χ^2/NDF: 31.5/19

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.040+/-0.045 χ^2/NDF: 47.9/41

All: -0.024+/-0.029 χ^2/NDF: 108.1/84

- sign -0.012+/-0.039 χ^2/NDF: 59.9/42



Right In: 138.961+/-0.037 χ^2/NDF: 714345.1/17

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

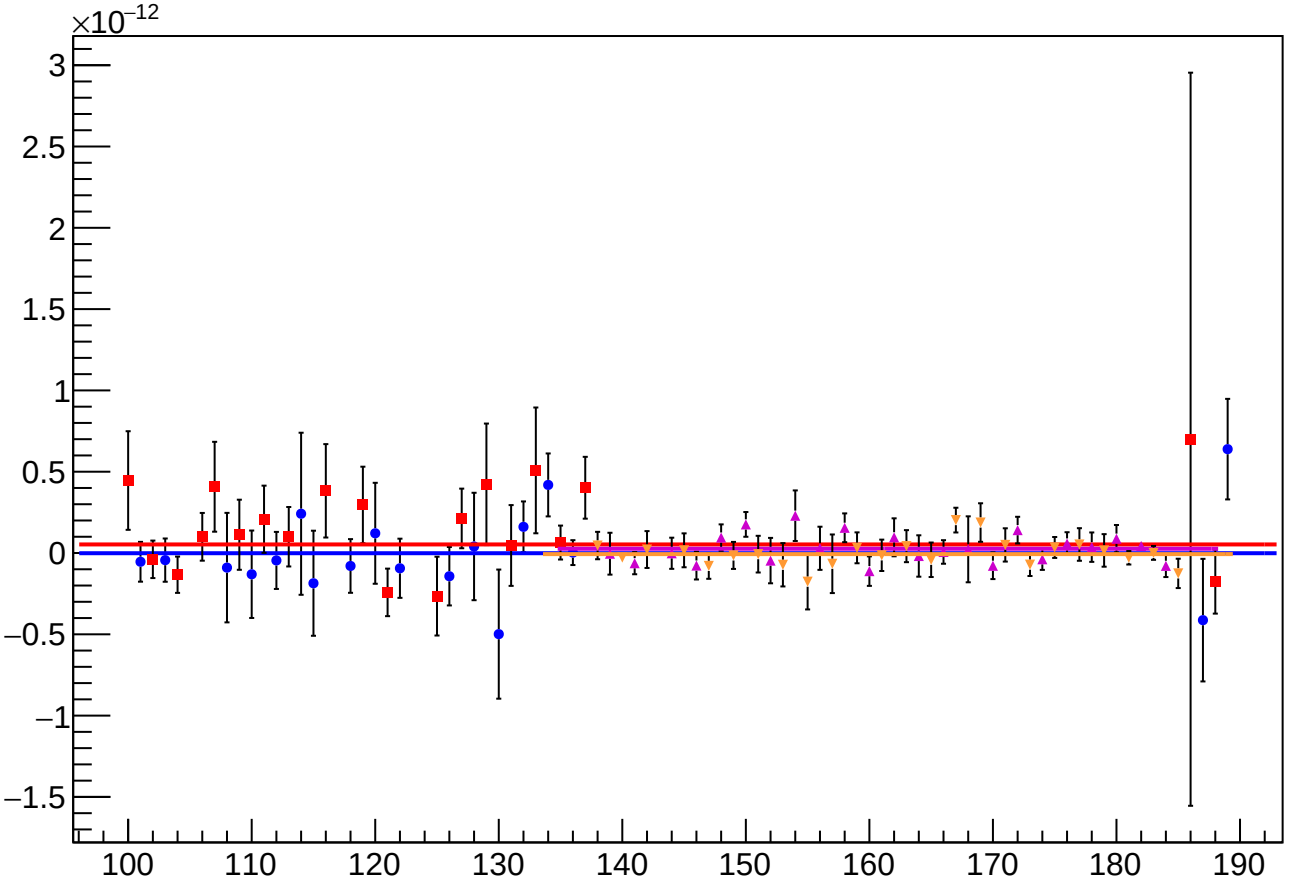
Right Out: 116.864+/-0.031 χ^2/NDF: 1488076.1/19

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 193.197+/-0.032 χ^2/NDF: 13118282.8/41

All: 176.571+/-0.021 χ^2/NDF: 29510624.1/84

- sign 163.835+/-0.028 χ^2/NDF: 15901921.3/42



Right In: -0.000+/-0.000 χ^2/NDF: 15.3/17

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/23

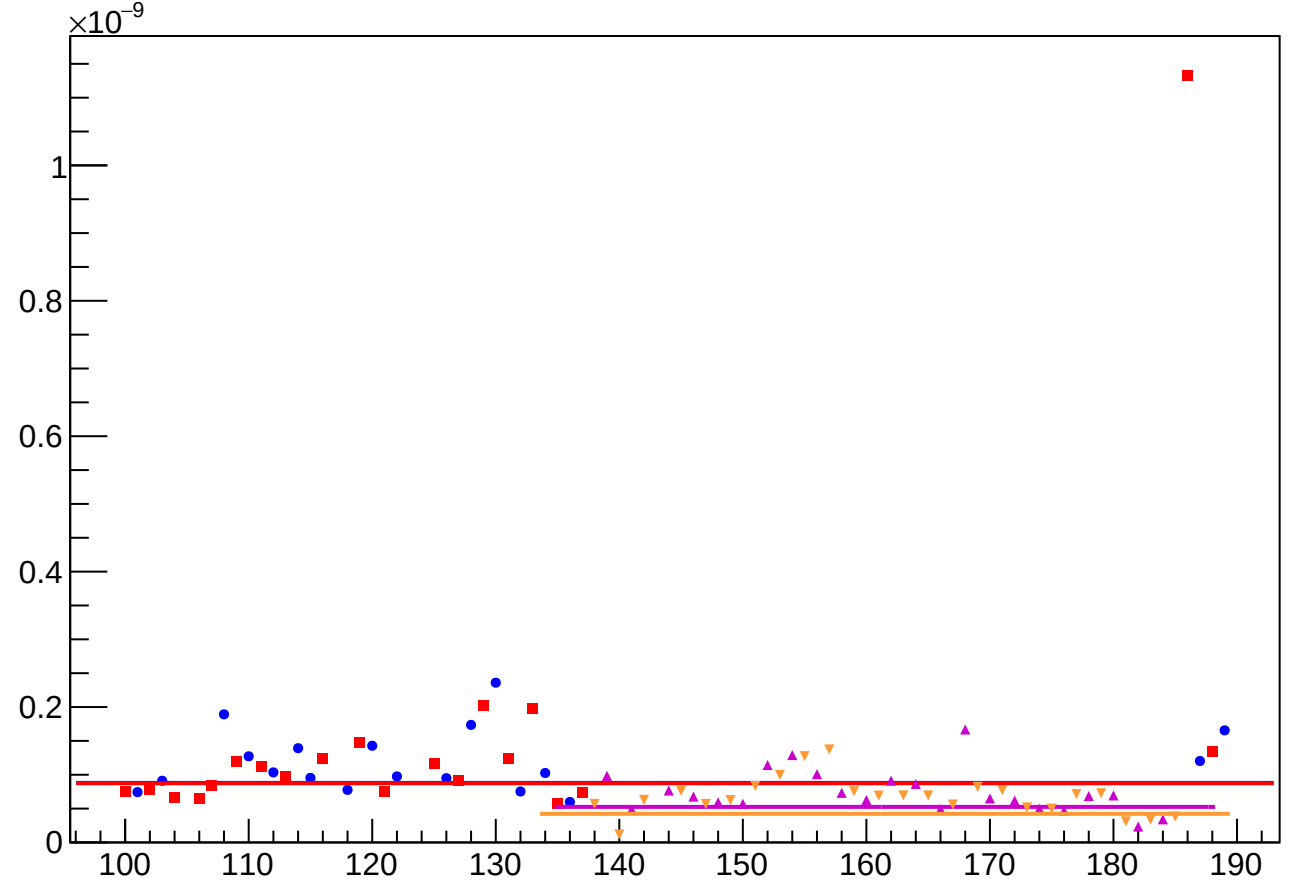
Right Out: 0.000+/-0.000 χ^2/NDF: 23.7/19

Left In: 0.000+/-0.000 χ^2/NDF:22.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 33.5/41

All: 0.000+/-0.000 χ^2/NDF: 83.5/84

- sign 0.000+/-0.000 χ^2/NDF: 46.8/42



Right In: 0.000+/-0.000 χ^2/NDF: 1216730.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:6680117.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1530703.8/19

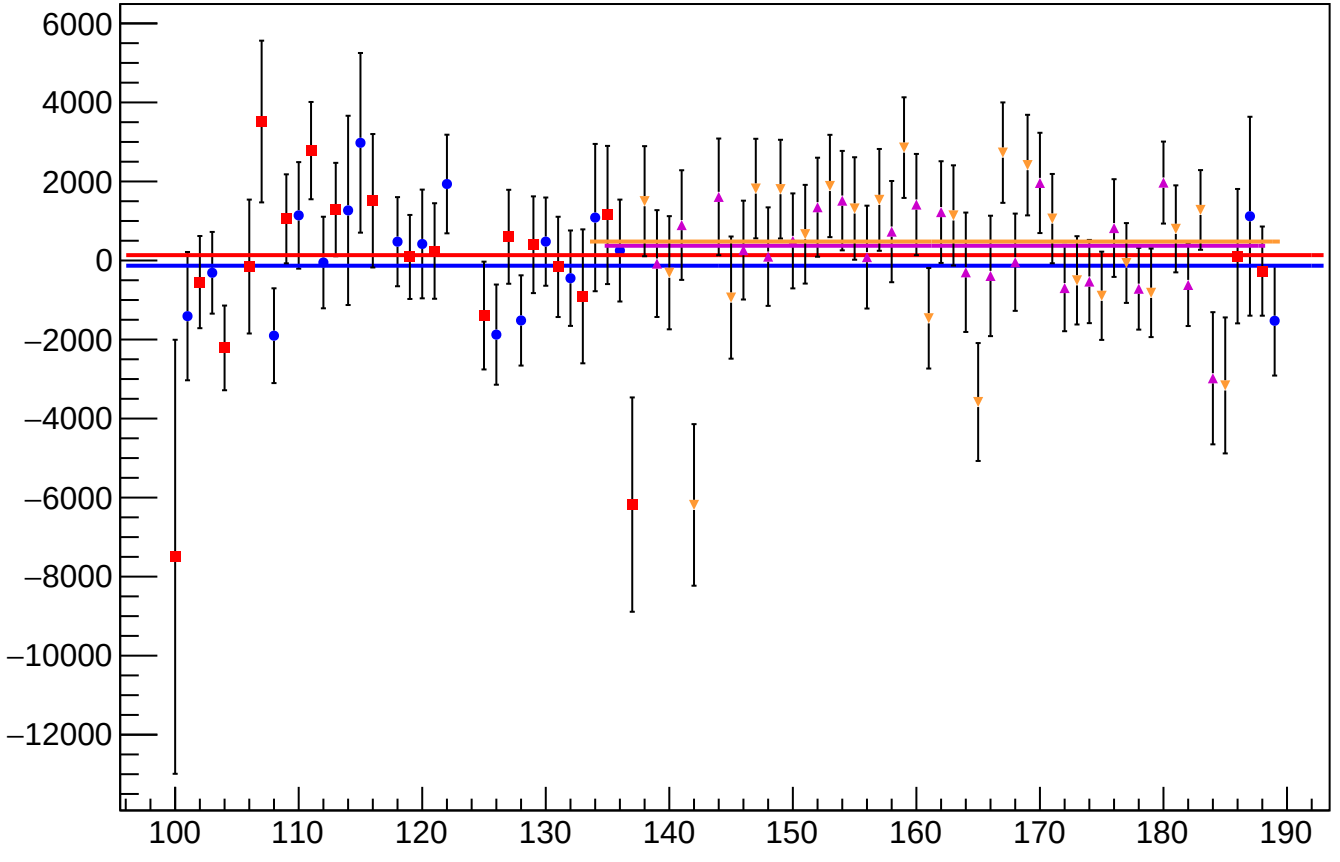
Left In: 0.000+/-0.000 χ^2/NDF:4897147.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 10030721.2/41

All: 0.000+/-0.000 χ^2/NDF: 18230771.7/84

- sign 0.000+/-0.000 χ^2/NDF: 7695220.5/42

reg_asym_usl_atl2_dd_mean vs Slug



Right In: -132.075+/-315.055 χ^2/NDF: 14.6/17

Left Out: 479.555+/-256.330 χ^2/NDF:45.2/23

Right Out: 135.543+/-304.485 χ^2/NDF: 24.5/19

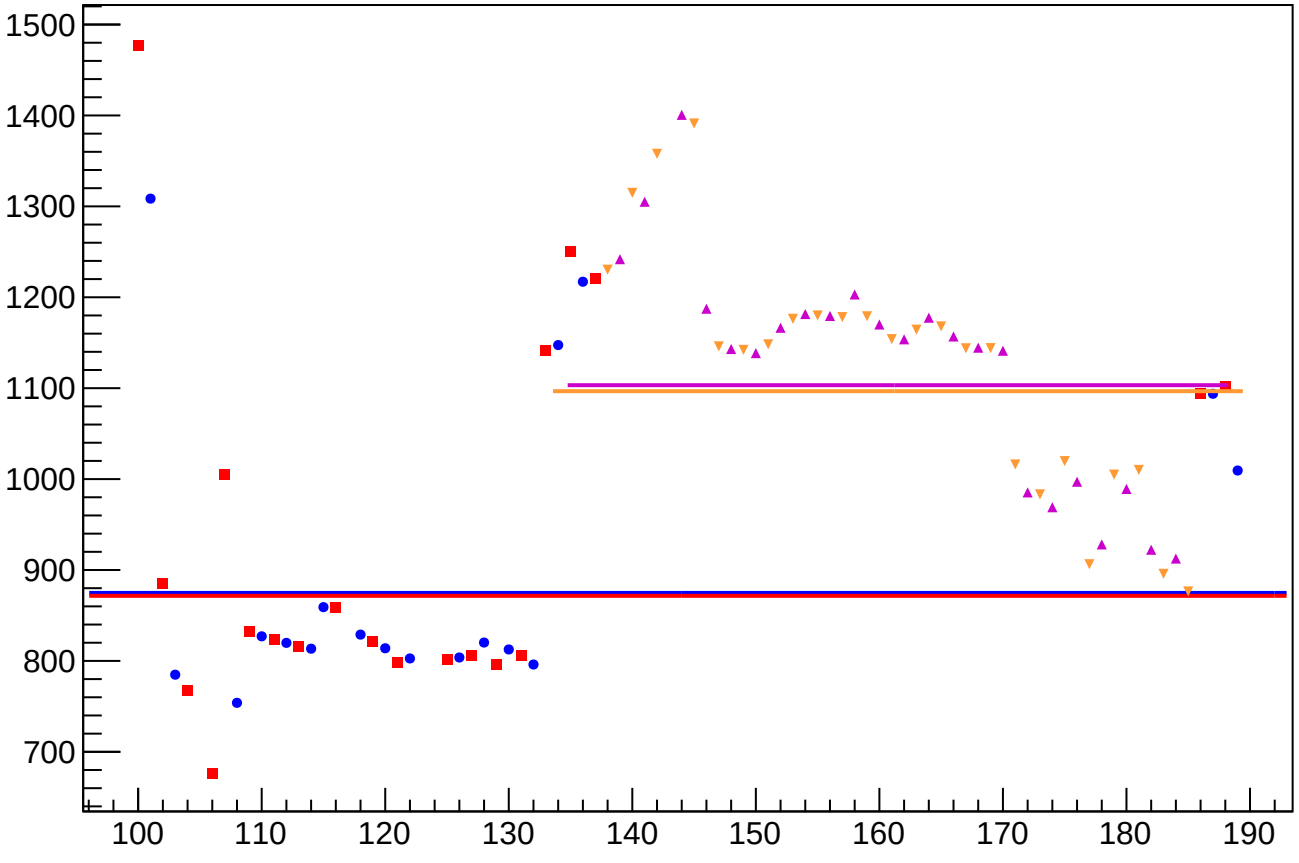
Left In: 372.926+/-259.314 χ^2/NDF:16.0/22

+ sign 235.945+/-198.834 χ^2/NDF: 62.1/41

All: 254.671+/-140.095 χ^2/NDF: 103.0/84

- sign 273.132+/-197.421 χ^2/NDF: 40.9/42

reg_asym_usl_atl2_dd_rms vs Slug



Right In: 874.797+/-0.223 χ^2/NDF: 443844.0/17

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 871.604+/-0.213 χ^2/NDF: 438551.1/19

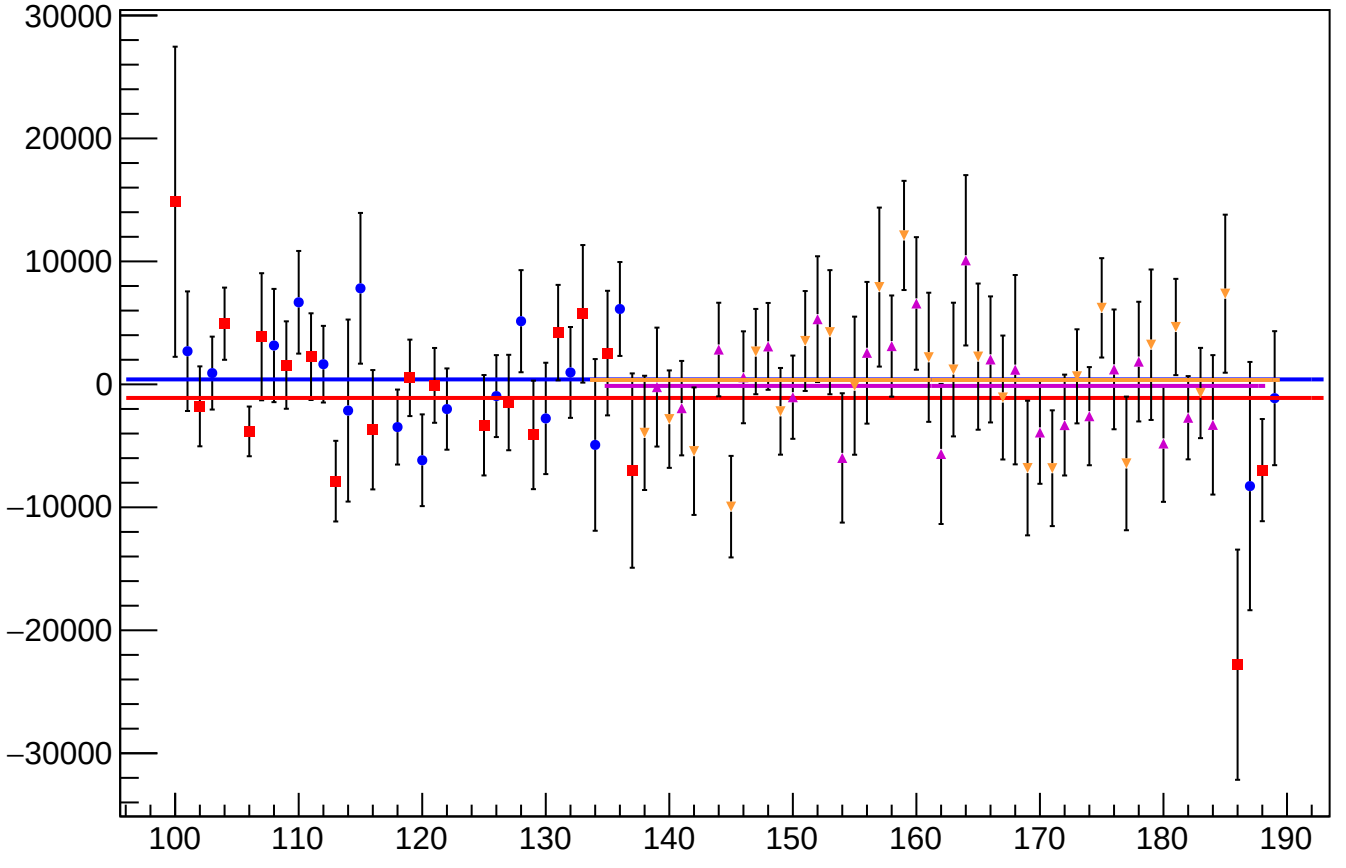
Left In: 1103.281+/-0.183 χ^2/NDF:447540.4/22

+ sign 1008.324+/-0.141 χ^2/NDF: 1521389.7/41

All: 1006.453+/-0.099 χ^2/NDF: 3087627.5/84

- sign 1004.625+/-0.139 χ^2/NDF: 1565887.8/42

asym_usl_atl2_dd_reg_correction_mean vs Slug



Right In: 403.070+/-961.370 χ^2/NDF: 15.5/17

Left Out: 357.729+/-934.220 χ^2/NDF:30.3/23

Right Out: -1105.389+/-843.375 χ^2/NDF: 27.6/19

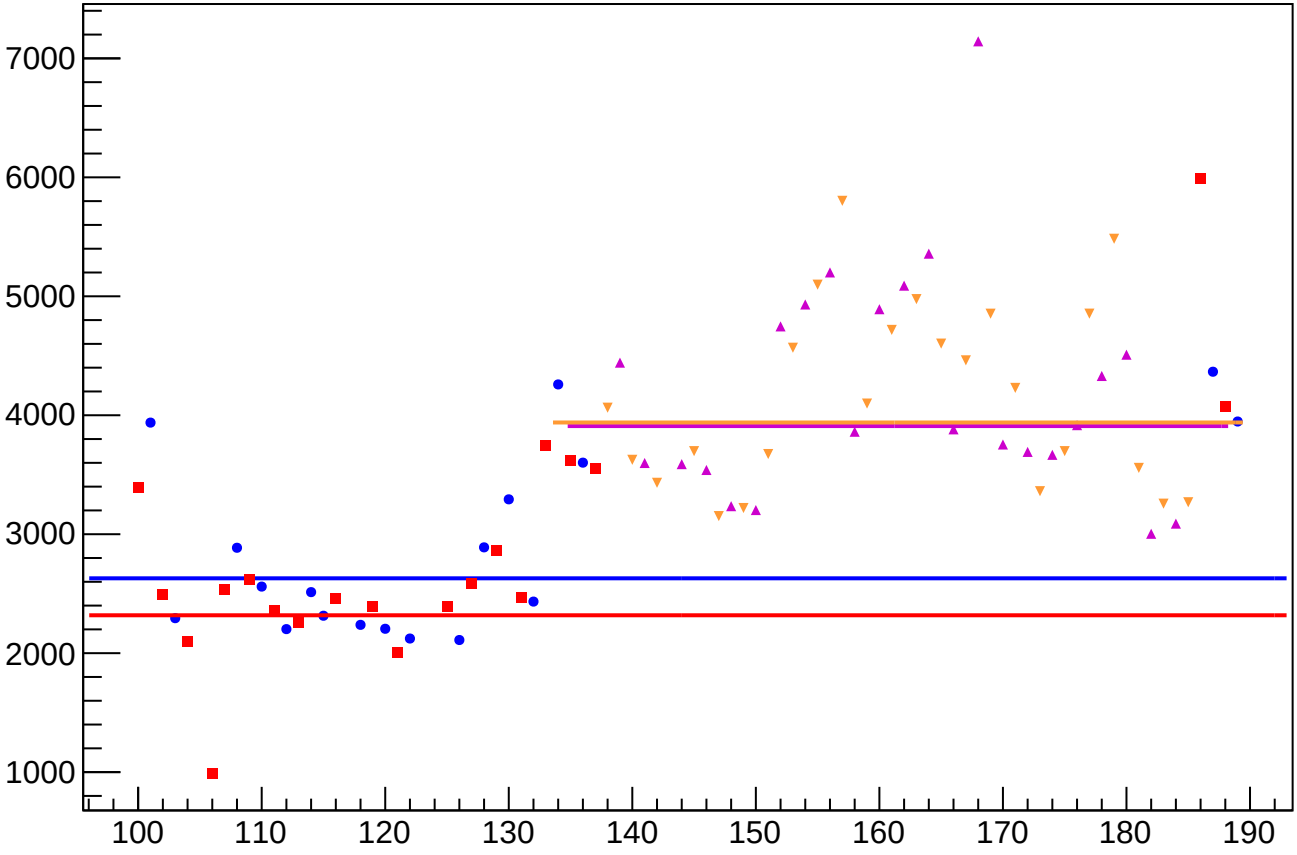
Left In: -126.696+/-932.645 χ^2/NDF:13.8/22

+ sign 379.750+/-669.986 χ^2/NDF: 45.8/41

All: -178.484+/-457.230 χ^2/NDF: 89.0/84

- sign -665.112+/-625.542 χ^2/NDF: 42.0/42

asym_usl_atl2_dd_reg_correction_rms vs Slug



Right In: 2629.281+/-0.680 χ^2/NDF: 845938.0/17

Left Out: 3939.261+/-0.661 χ^2/NDF:1092666.9/23

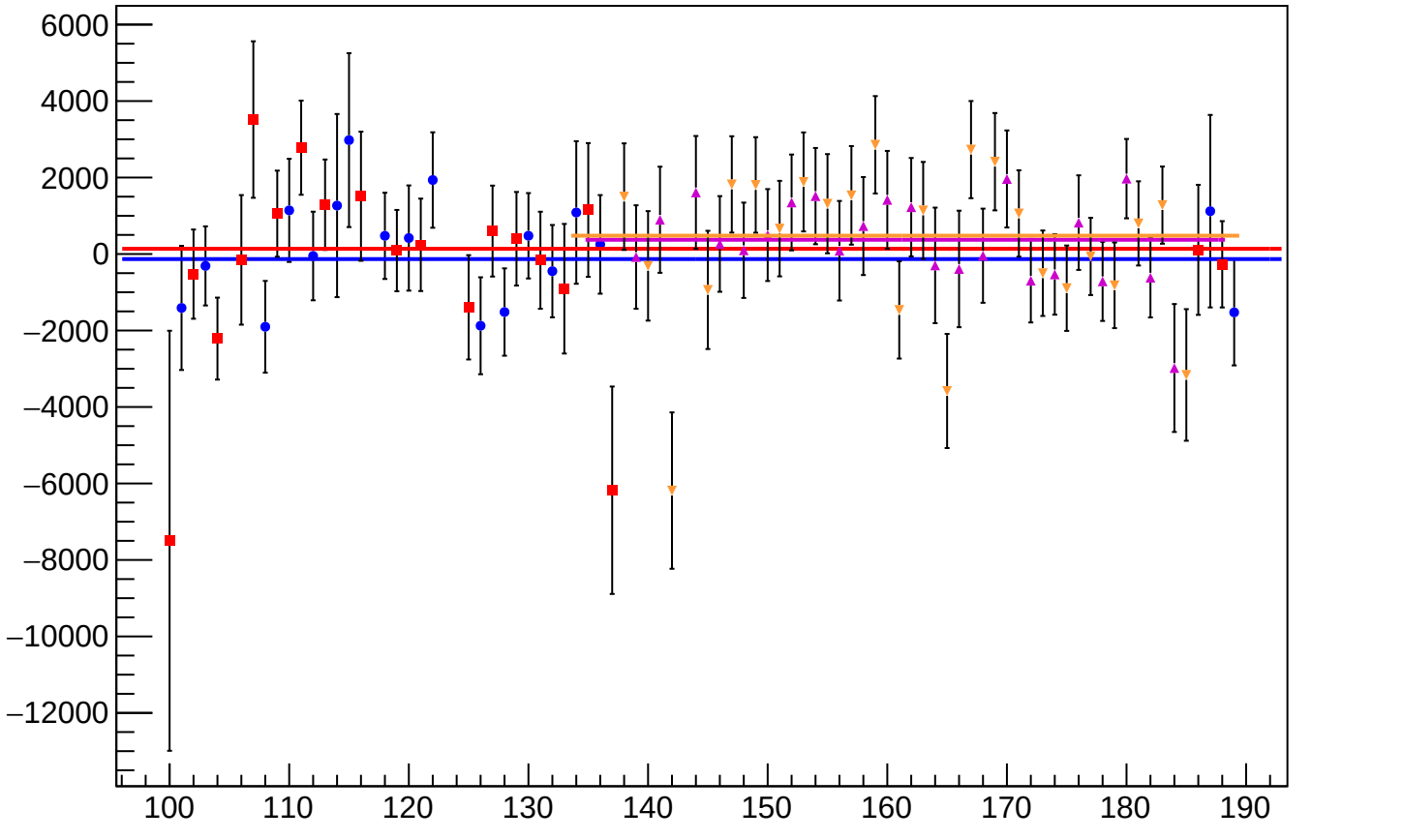
Right Out: 2318.568+/-0.596 χ^2/NDF: 1958622.7/19

Left In: 3909.133+/-0.659 χ^2/NDF:1300774.2/22

+ sign 3303.030+/-0.474 χ^2/NDF: 3848507.9/41

All: 3159.351+/-0.323 χ^2/NDF: 10480220.6/8

- sign 3034.103+/-0.442 χ^2/NDF: 6459555.9/42



Right In: -132.163+/-315.055 χ^2/NDF: 14.6/17

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: 137.003+/-304.490 χ^2/NDF: 24.5/19

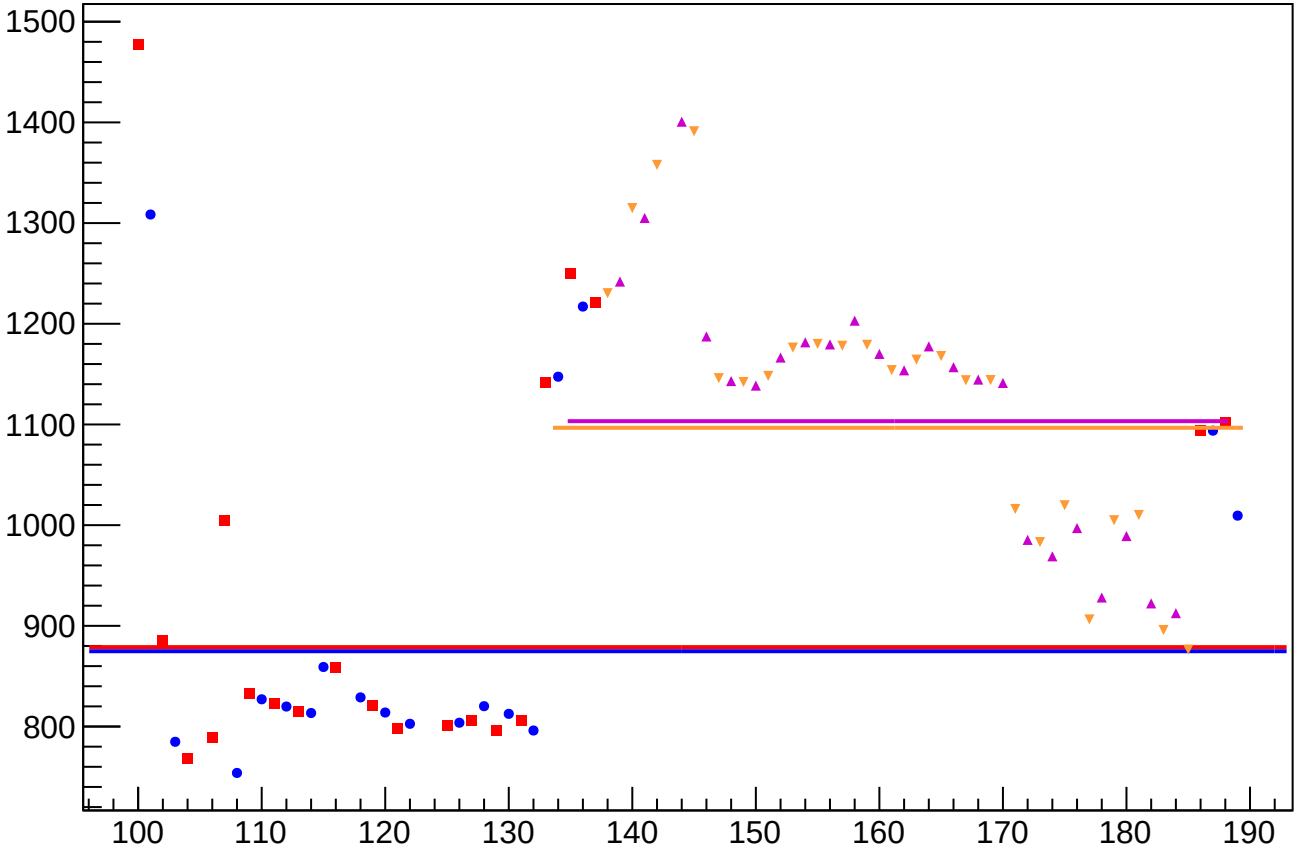
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

\+ sign 235.926+/-198.834 χ^2/NDF: 62.1/41

All: 254.964+/-140.095 χ^2/NDF: 103.0/84

\- sign 273.733+/-197.422 χ^2/NDF: 40.9/42

cor_asym_usl_atl2_dd_rms vs Slug



Right In: 874.797+/-0.223 χ^2/NDF: 443843.7/17

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 878.856+/-0.214 χ^2/NDF: 398124.7/19

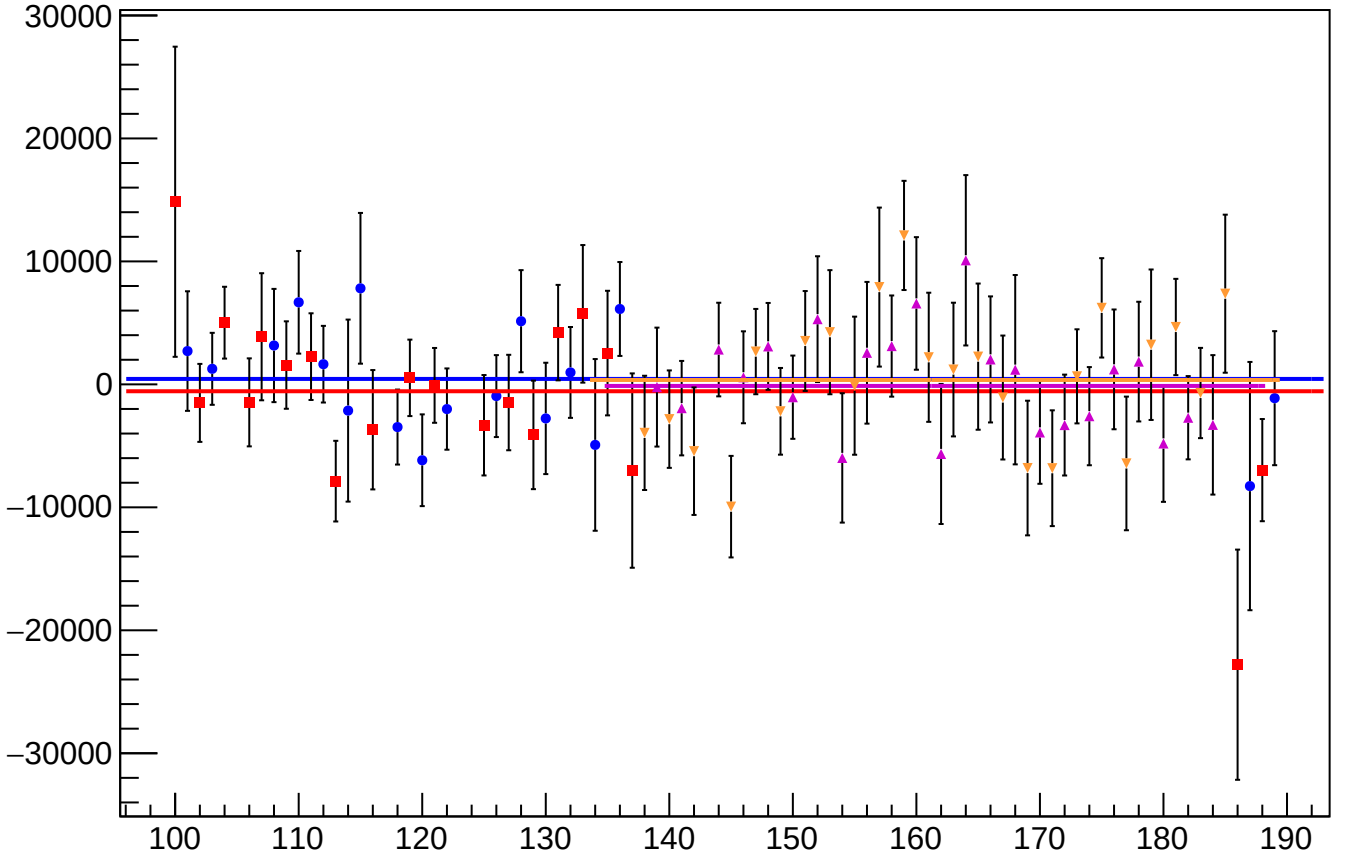
Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 1008.324+/-0.141 χ^2/NDF: 1521389.8/41

All: 1008.376+/-0.099 χ^2/NDF: 3000190.0/84

- sign 1008.428+/-0.139 χ^2/NDF: 1478799.9/42

asym_usl_atl2_dd_cor_correction_mean vs Slug



Right In: 442.272+/-960.021 χ^2/NDF: 15.5/17

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: -560.249+/-896.082 χ^2/NDF: 25.6/19

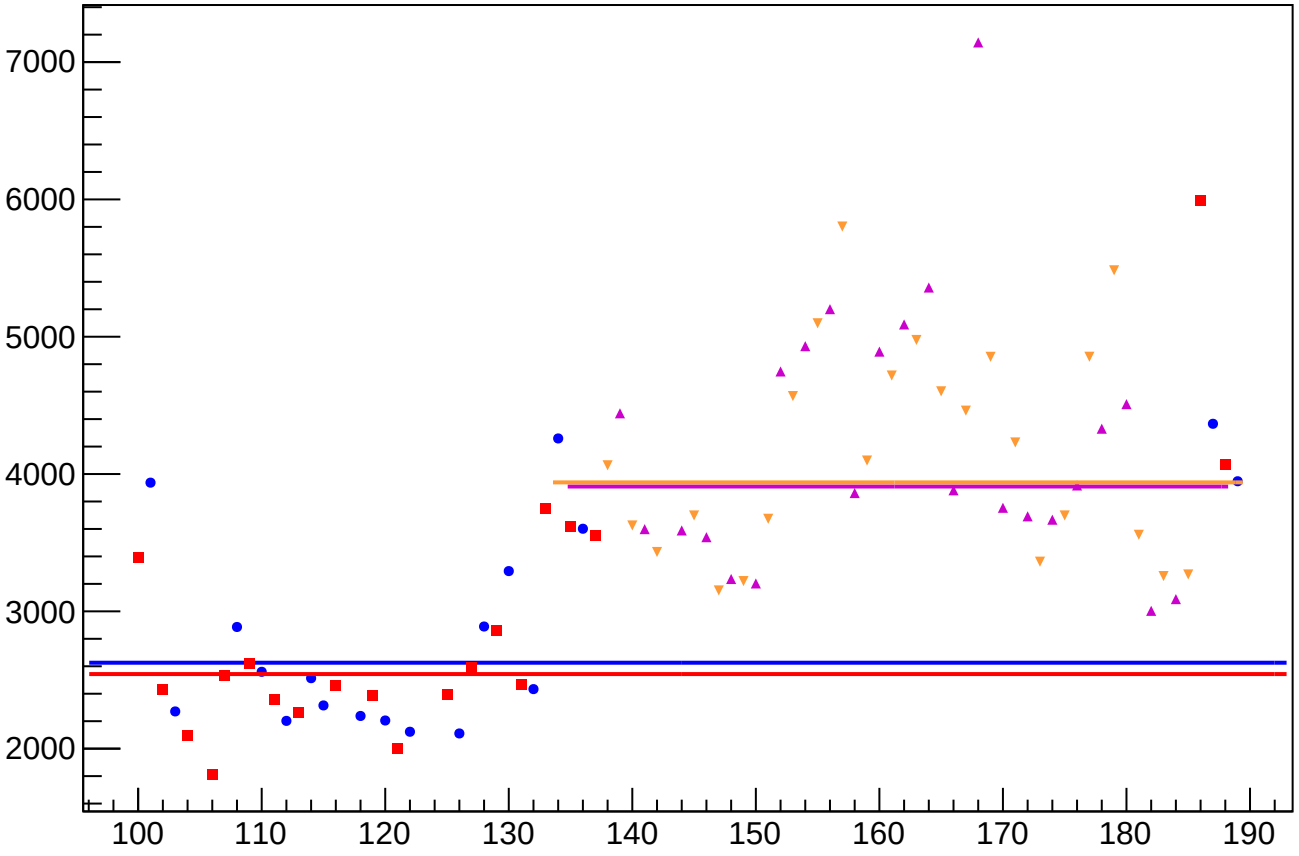
Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

+ sign 398.848+/-669.529 χ^2/NDF: 45.8/41

All: 10.039+/-464.948 χ^2/NDF: 85.9/84

- sign -352.108+/-646.165 χ^2/NDF: 39.4/42

asym_usl_atl2_dd_cor_correction_rms vs Slug



Right In: 2625.849+/-0.679 χ^2/NDF: 850190.5/17

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 2543.137+/-0.634 χ^2/NDF: 1003797.0/19

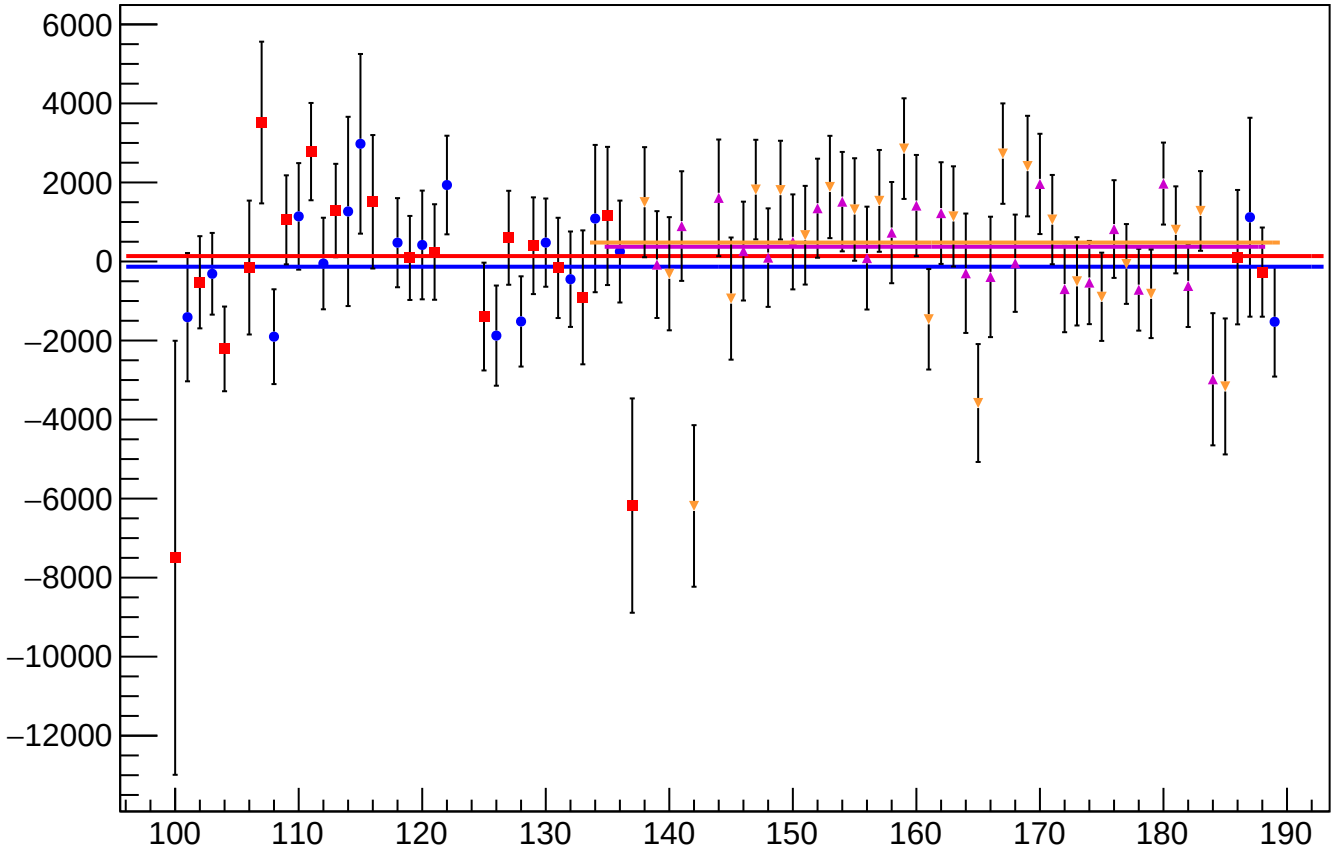
Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

+ sign 3300.443+/-0.473 χ^2/NDF: 3865555.7/41

All: 3247.834+/-0.329 χ^2/NDF: 8424910.0/84

- sign 3198.832+/-0.457 χ^2/NDF: 4535503.9/42

eigen_cor_asym_usl_atl2_dd_mean vs Slug



Right In: -132.163+/-315.055 χ^2/NDF: 14.6/17

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: 137.003+/-304.490 χ^2/NDF: 24.5/19

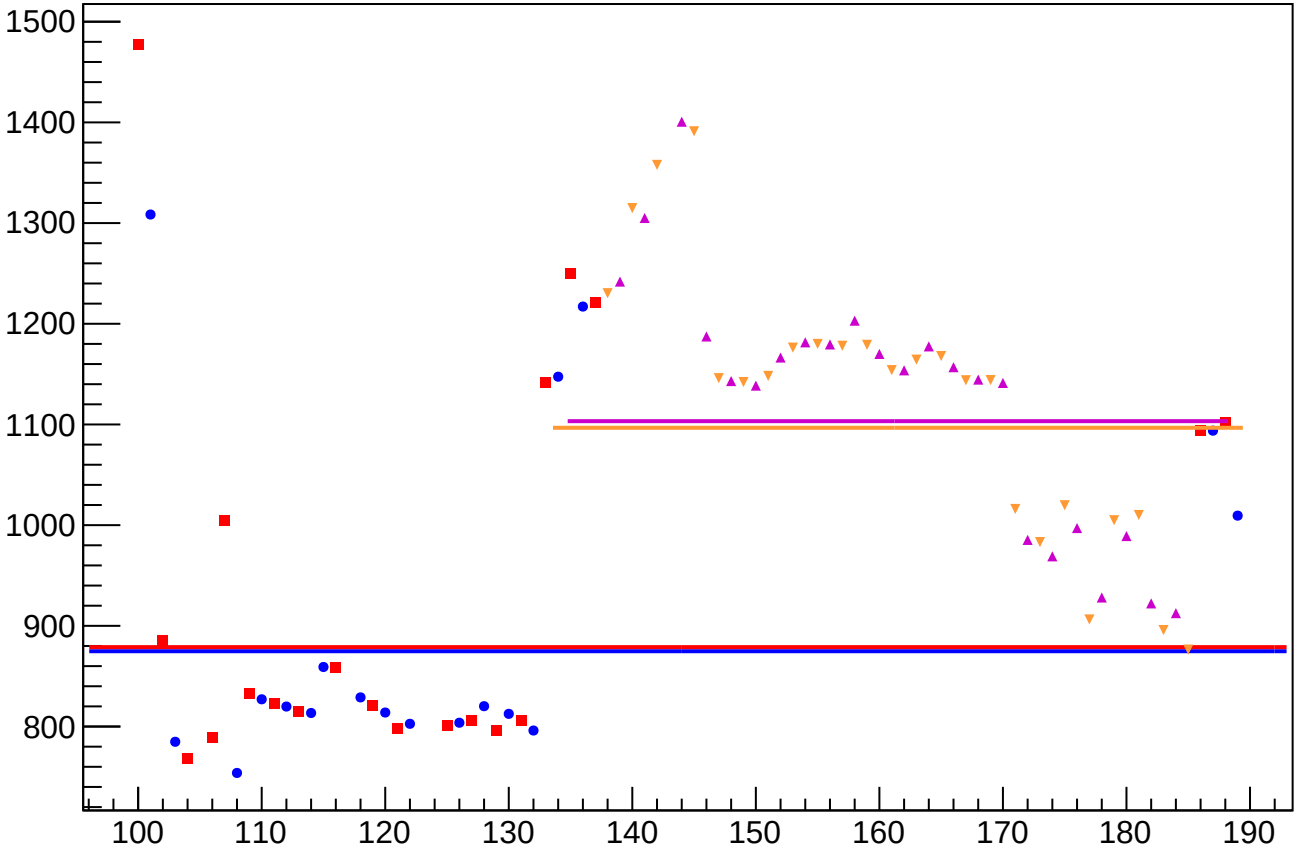
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

+ sign 235.926+/-198.834 χ^2/NDF: 62.1/41

All: 254.964+/-140.095 χ^2/NDF: 103.0/84

- sign 273.733+/-197.422 χ^2/NDF: 40.9/42

eigen_cor_asym_usl_atl2_dd_rms vs Slug



Right In: 874.797+/-0.223 χ^2/NDF: 443843.7/17

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

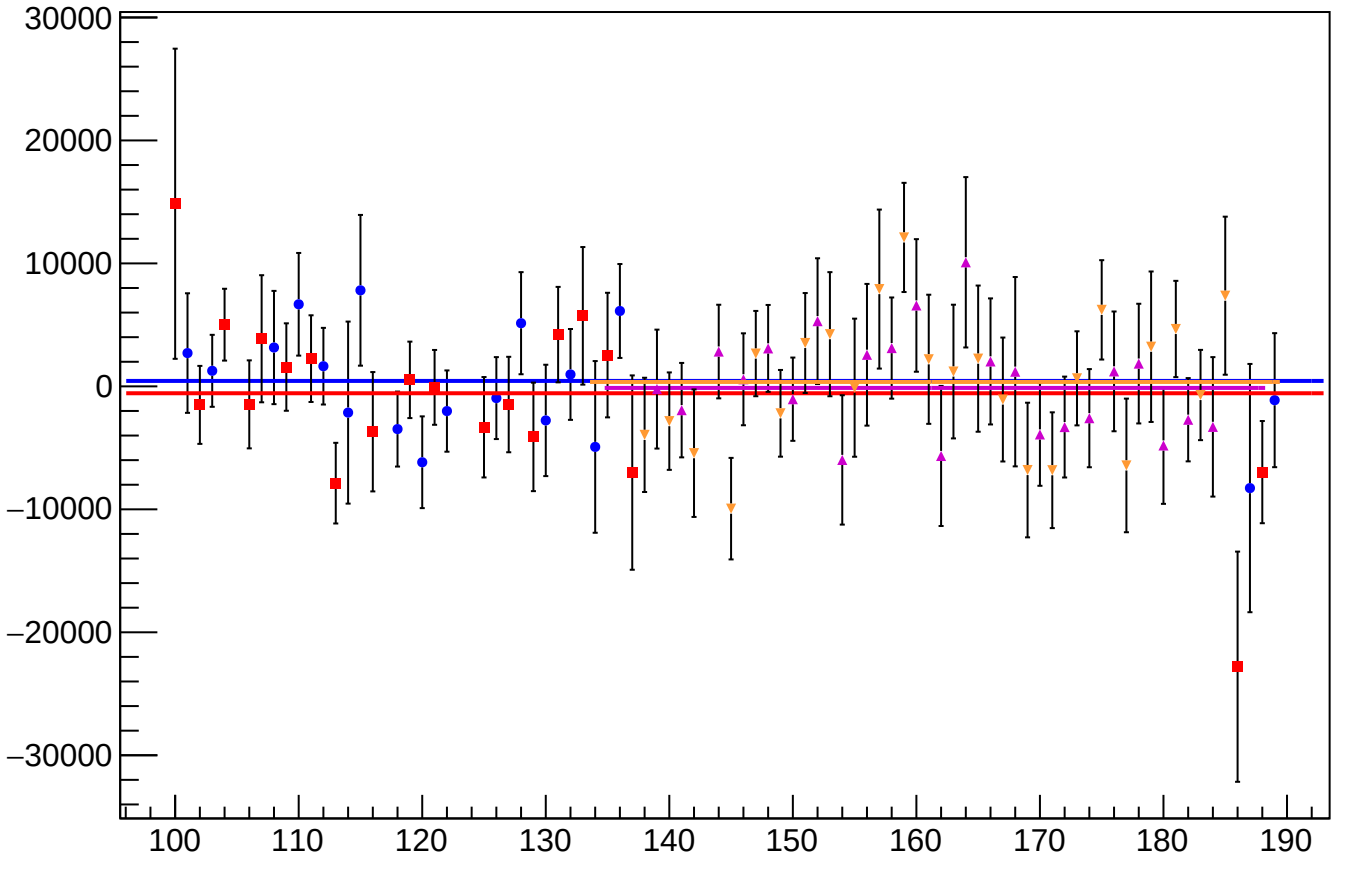
Right Out: 878.856+/-0.214 χ^2/NDF: 398124.7/19

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 1008.324+/-0.141 χ^2/NDF: 1521389.8/41

All: 1008.376+/-0.099 χ^2/NDF: 3000190.0/84

- sign 1008.428+/-0.139 χ^2/NDF: 1478799.9/42



Right In: 442.272+/-960.021 χ^2/NDF: 15.5/17

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

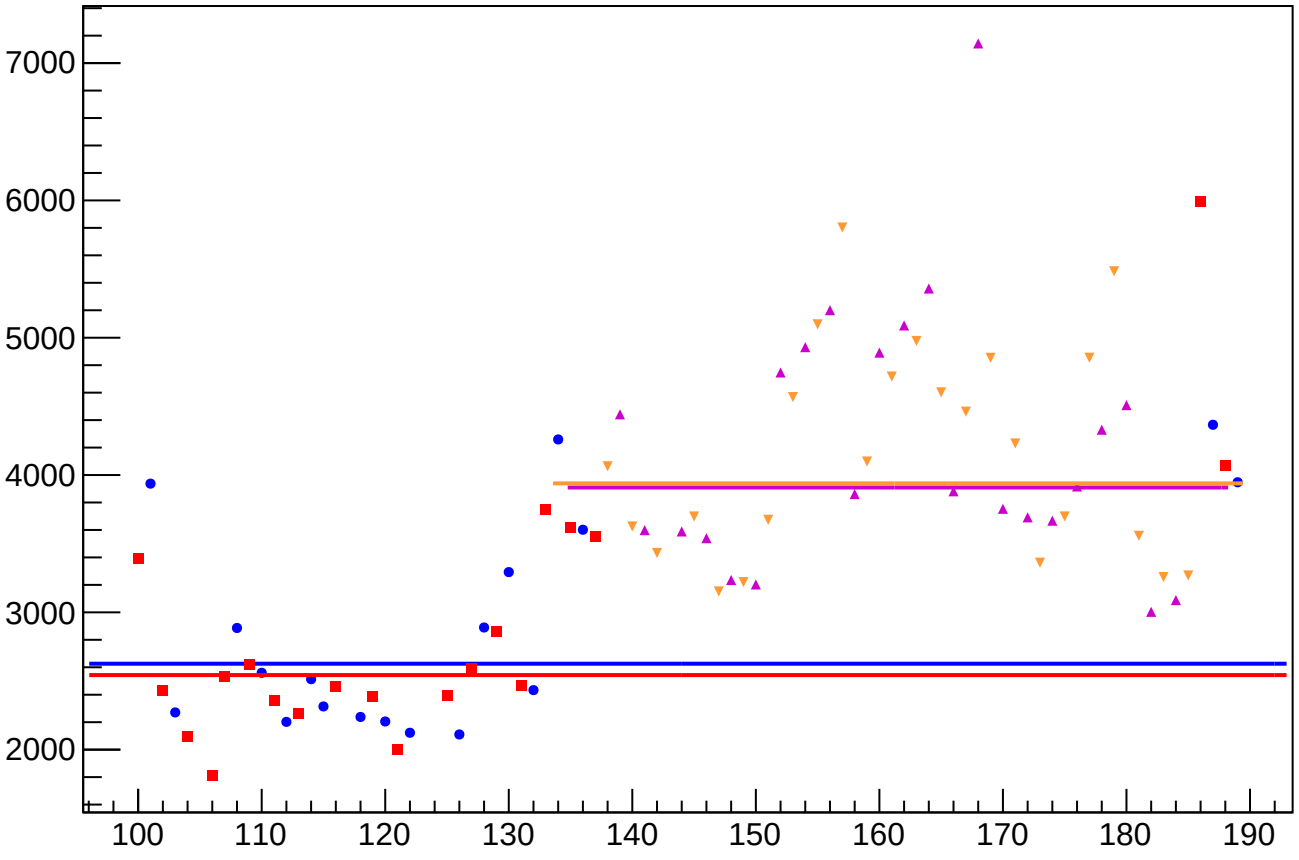
Right Out: -560.249+/-896.082 χ^2/NDF: 25.6/19

Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

\+ sign 398.848+/-669.529 χ^2/NDF: 45.8/41

All: 10.039+/-464.948 χ^2/NDF: 85.9/84

\- sign -352.108+/-646.165 χ^2/NDF: 39.4/42



Right In: 2625.849+/-0.679 χ^2/NDF: 850190.5/17

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 2543.137+/-0.634 χ^2/NDF: 1003797.0/19

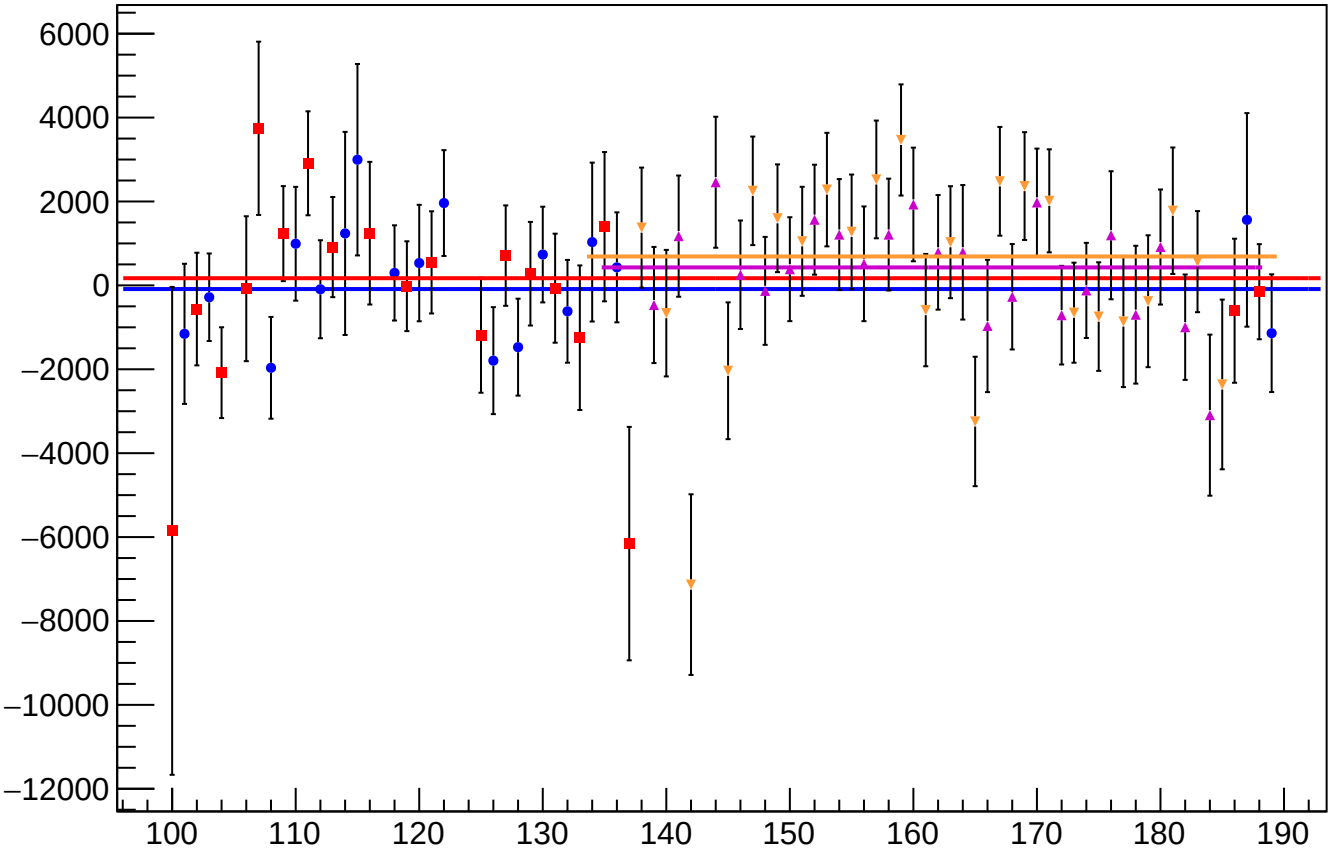
Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

+ sign 3300.443+/-0.473 χ^2/NDF: 3865555.7/41

All: 3247.834+/-0.329 χ^2/NDF: 8424910.0/84

- sign 3198.832+/-0.457 χ^2/NDF: 4535503.9/42

dit_asym_usl_atl2_dd_mean vs Slug



Right In: -87.682+/-318.789 χ^2/NDF: 14.0/17

Left Out: 689.087+/-284.388 χ^2/NDF:45.7/23

Right Out: 170.821+/-309.957 χ^2/NDF: 23.2/19

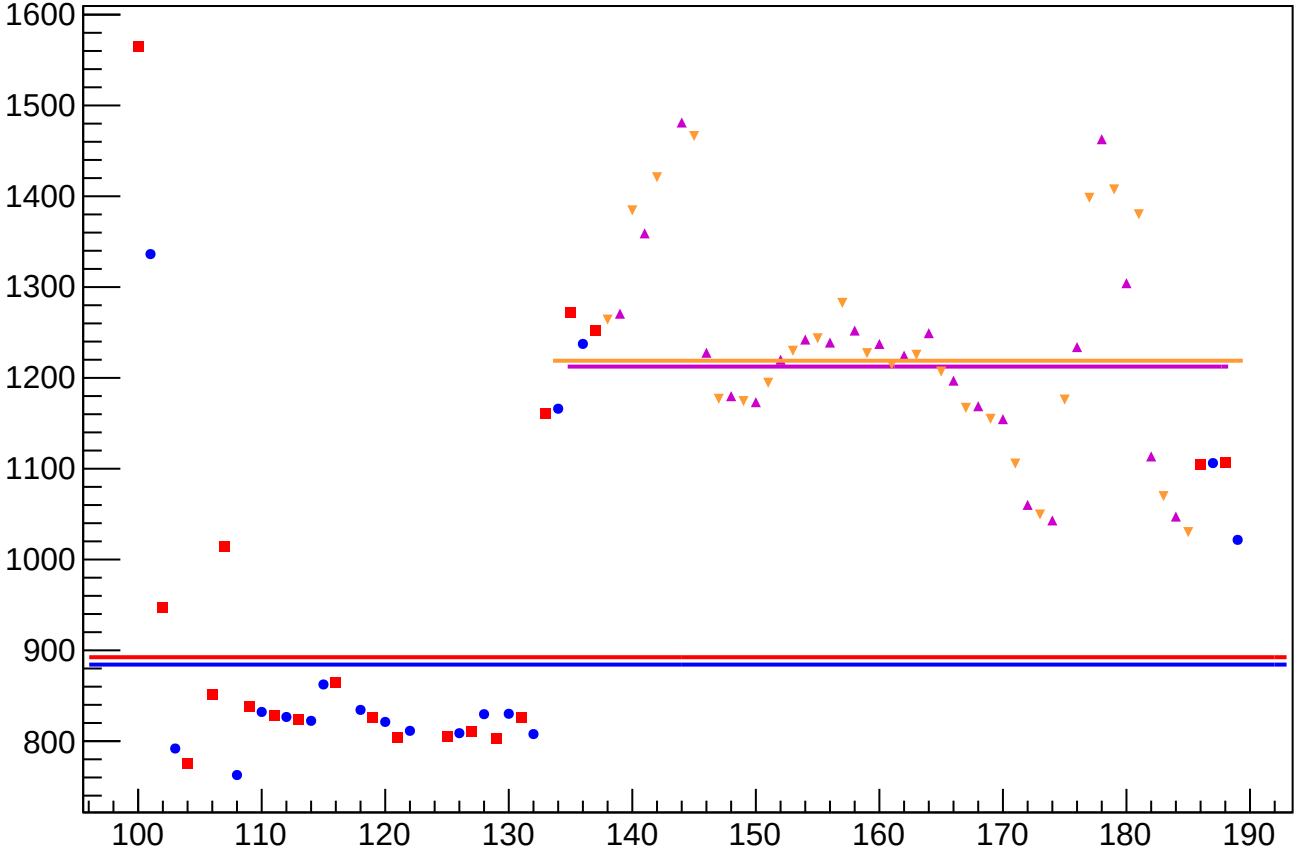
Left In: 428.052+/-284.383 χ^2/NDF:14.6/22

+ sign 344.860+/-212.217 χ^2/NDF: 63.0/41

All: 327.455+/-149.107 χ^2/NDF: 101.3/84

- sign 310.485+/-209.548 χ^2/NDF: 38.2/42

dit_asym_usl_atl2_dd_rms vs Slug



Right In: 884.302+/-0.225 χ^2/NDF: 453810.7/17

Left Out: 1218.928+/-0.201 χ^2/NDF:293874.9/23

Right Out: 892.438+/-0.219 χ^2/NDF: 404831.0/19

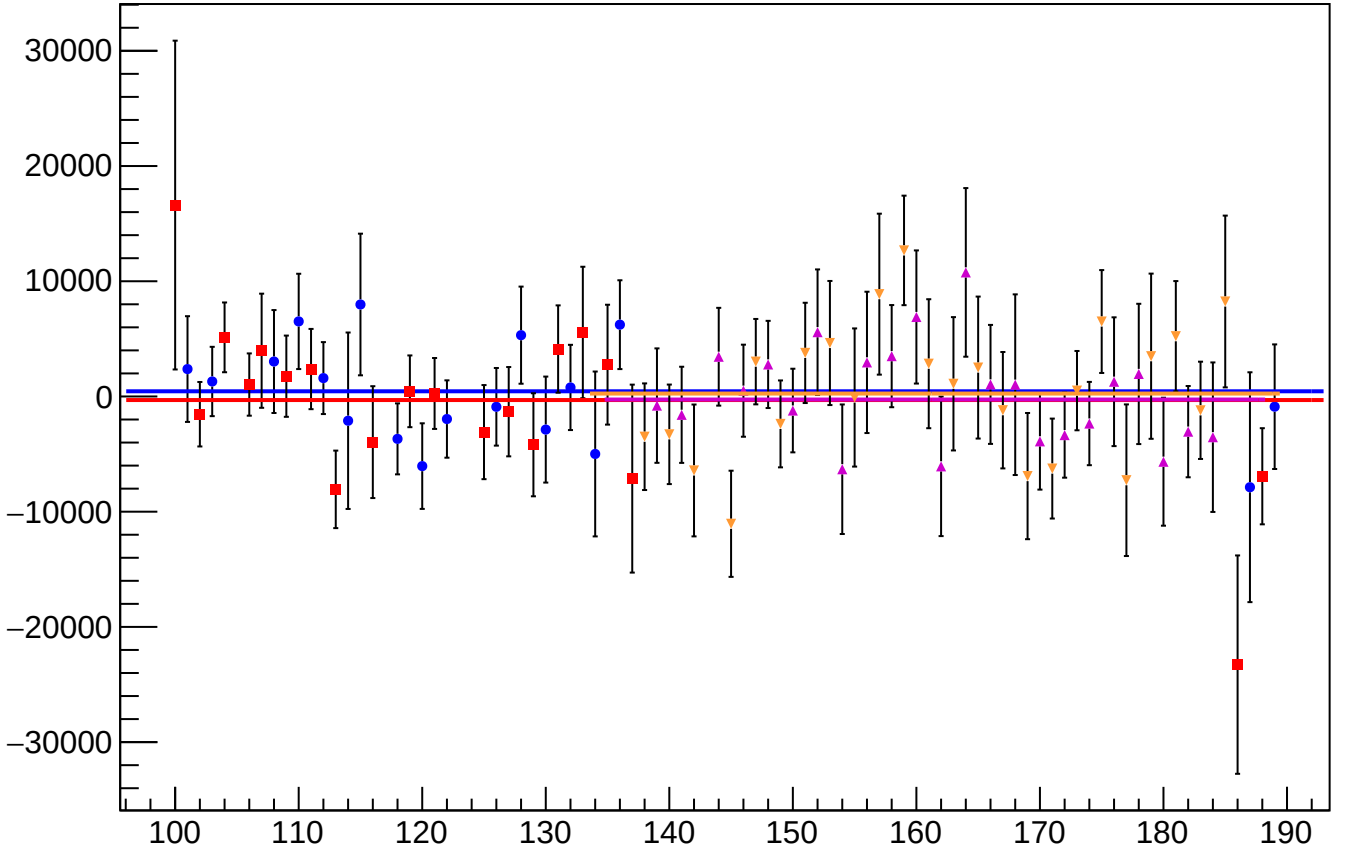
Left In: 1212.447+/-0.201 χ^2/NDF:260320.0/22

+ sign 1070.638+/-0.150 χ^2/NDF: 1974787.0/41

All: 1068.312+/-0.105 χ^2/NDF: 3798995.5/84

- sign 1066.047+/-0.148 χ^2/NDF: 1823734.4/42

asym_usl_atl2_dd_dit_correction_mean vs Slug



Right In: 449.740+/-964.406 χ^2/NDF: 15.5/17

Left Out: 252.803+/-995.149 χ^2/NDF:29.7/23

Right Out: -310.367+/-870.569 χ^2/NDF: 25.9/19

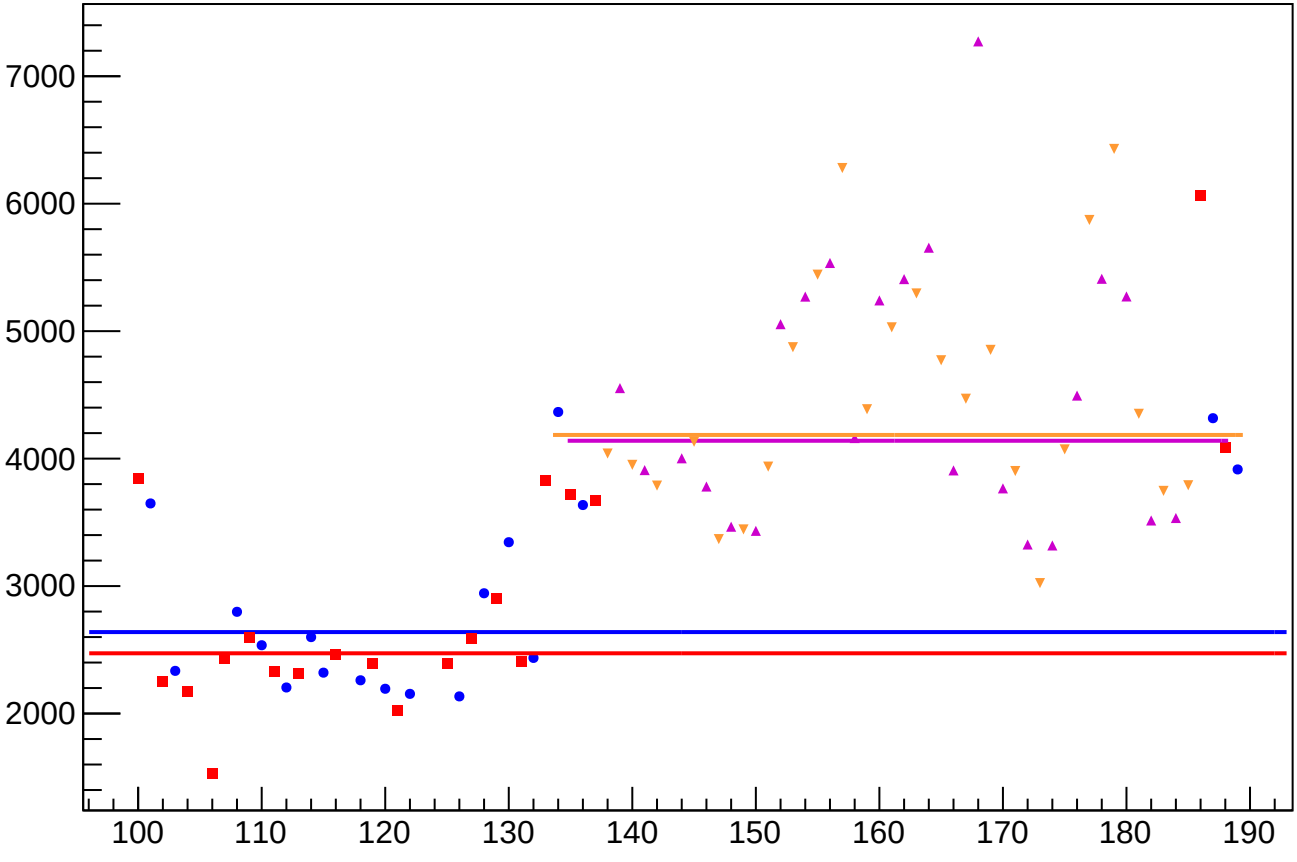
Left In: -266.235+/-990.083 χ^2/NDF:13.4/22

+ sign 354.361+/-692.552 χ^2/NDF: 45.2/41

All: 13.044+/-475.408 χ^2/NDF: 85.0/84

- sign -291.124+/-653.778 χ^2/NDF: 39.3/42

asym_usl_atl2_dd_dit_correction_rms vs Slug



Right In: 2639.072+/-0.682 χ^2/NDF: 792246.9/17

Left Out: 4185.656+/-0.704 χ^2/NDF:1271248.5/23

Right Out: 2472.613+/-0.616 χ^2/NDF: 1227250.3/19

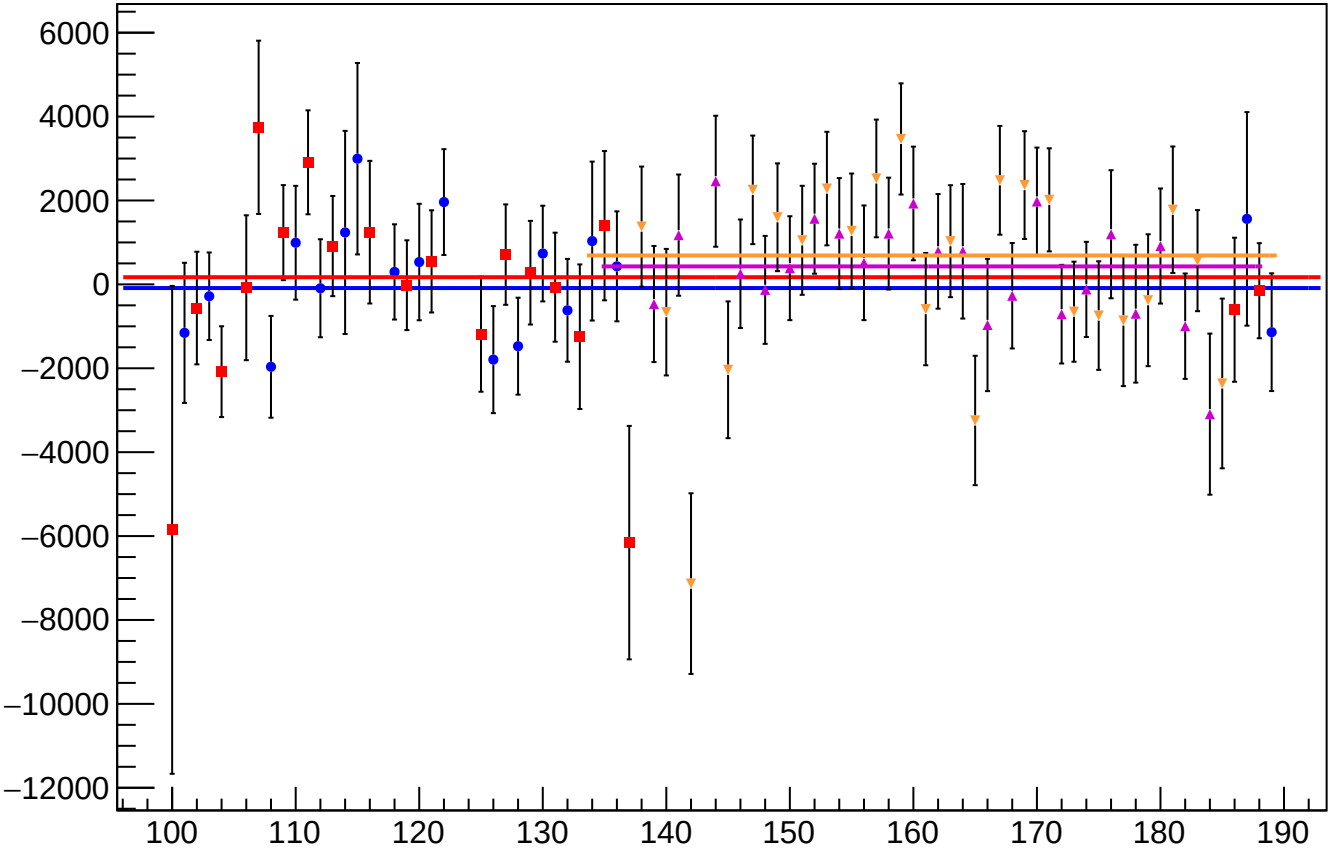
Left In: 4140.051+/-0.700 χ^2/NDF:1449924.0/22

+ sign 3388.106+/-0.490 χ^2/NDF: 4554558.7/41

All: 3288.465+/-0.336 χ^2/NDF: 10509228.0/8

- sign 3199.668+/-0.462 χ^2/NDF: 5876374.9/42

eigen_dit_asym_usl_atl2_dd_mean vs Slug



Right In: -87.686+/-318.789 χ^2/NDF: 14.0/17

Left Out: 689.089+/-284.388 χ^2/NDF:45.7/23

Right Out: 170.826+/-309.957 χ^2/NDF: 23.2/19

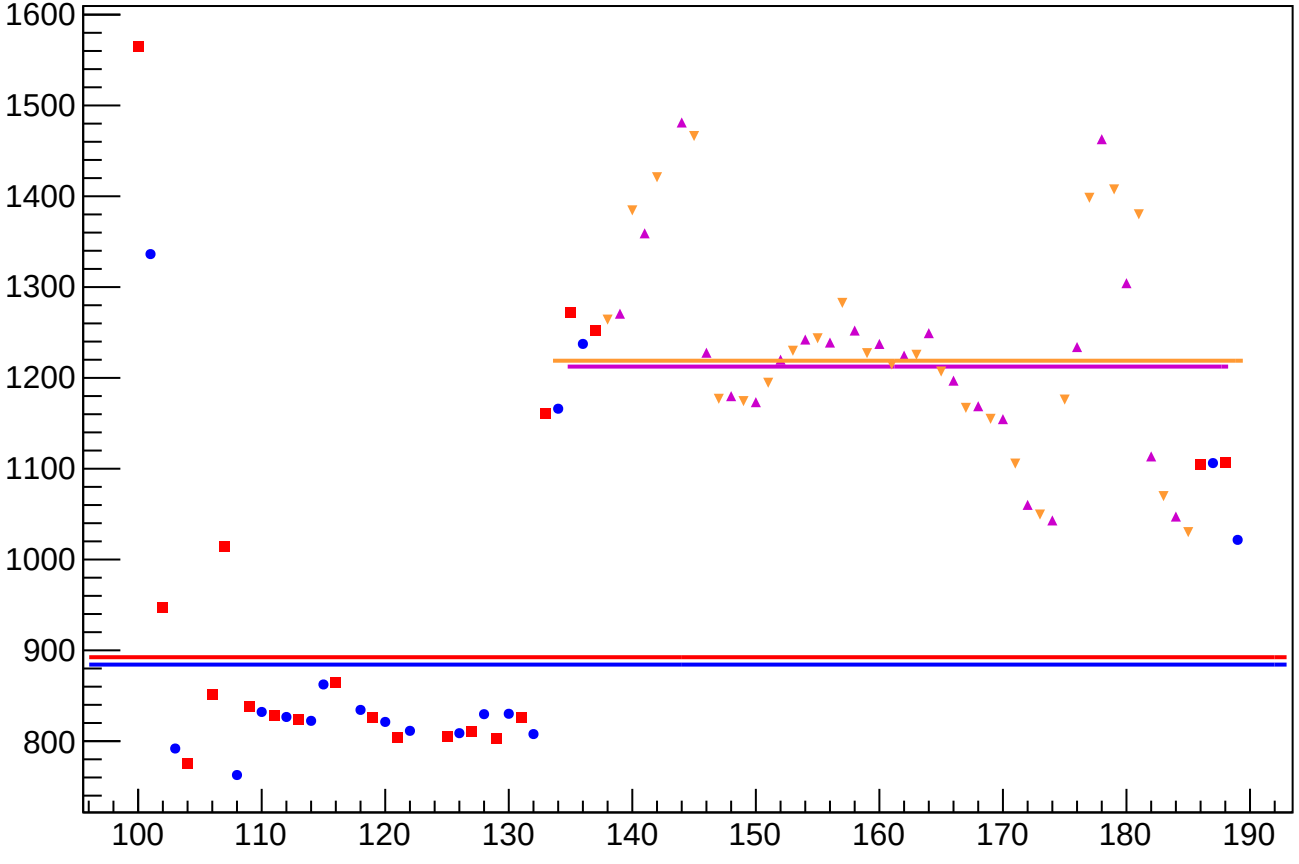
Left In: 428.050+/-284.383 χ^2/NDF:14.6/22

+ sign 344.860+/-212.217 χ^2/NDF: 63.0/41

All: 327.455+/-149.108 χ^2/NDF: 101.3/84

- sign 310.486+/-209.548 χ^2/NDF: 38.2/42

eigen_dit_asym_usl_atl2_dd_rms vs Slug



Right In: 884.302+/-0.225 χ^2/NDF: 453810.3/17

Left Out: 1218.929+/-0.201 χ^2/NDF:293885.7/23

Right Out: 892.438+/-0.219 χ^2/NDF: 404830.6/19

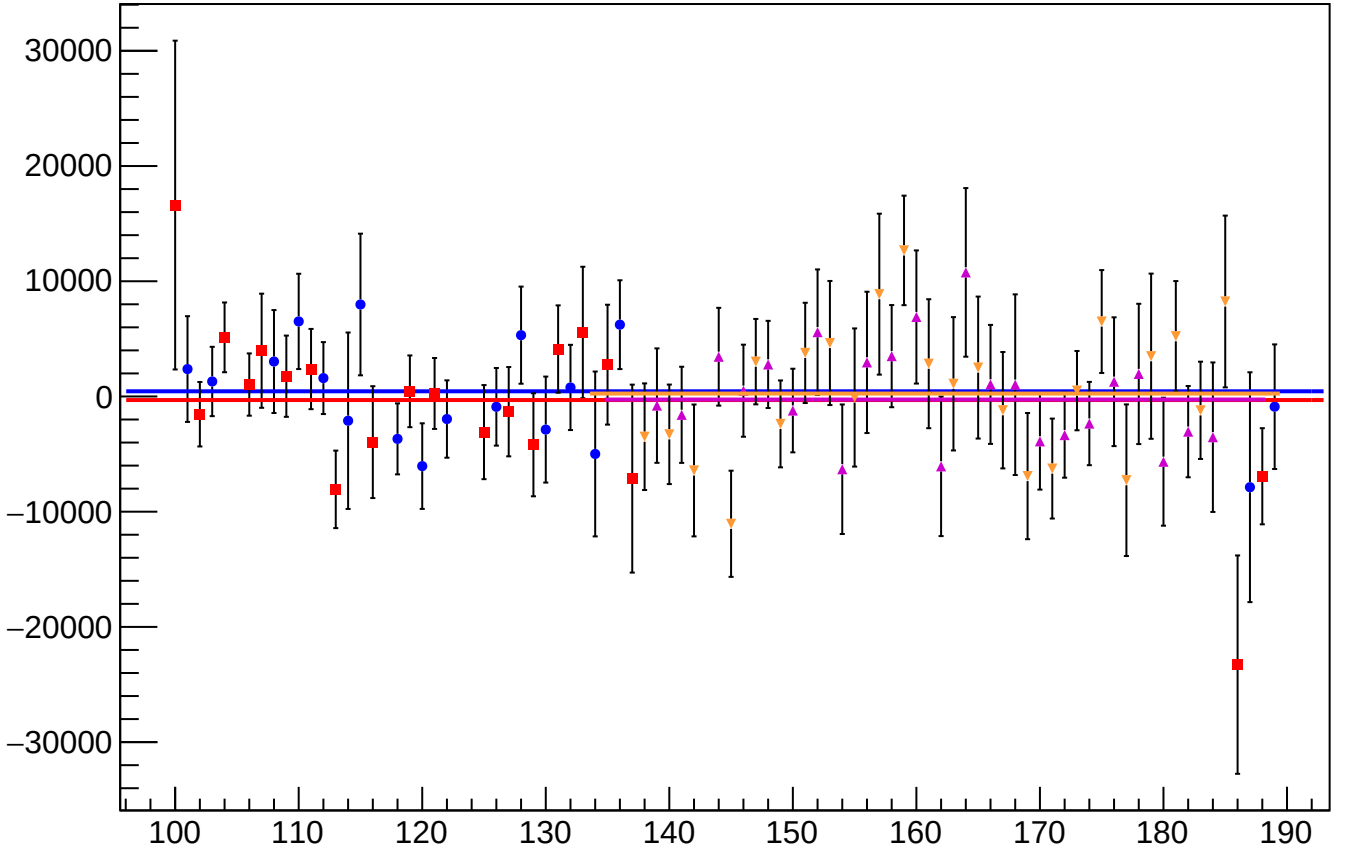
Left In: 1212.448+/-0.201 χ^2/NDF:260330.4/22

+ sign 1070.638+/-0.150 χ^2/NDF: 1974803.7/41

All: 1068.313+/-0.105 χ^2/NDF: 3799028.6/84

- sign 1066.047+/-0.148 χ^2/NDF: 1823750.8/42

asym_usl_atl2_dd_eigen_dit_correction_mean vs Slug



Right In: 449.737+/-964.403 χ^2/NDF: 15.5/17

Left Out: 252.805+/-995.151 χ^2/NDF:29.7/23

Right Out: -310.363+/-870.567 χ^2/NDF: 25.9/19

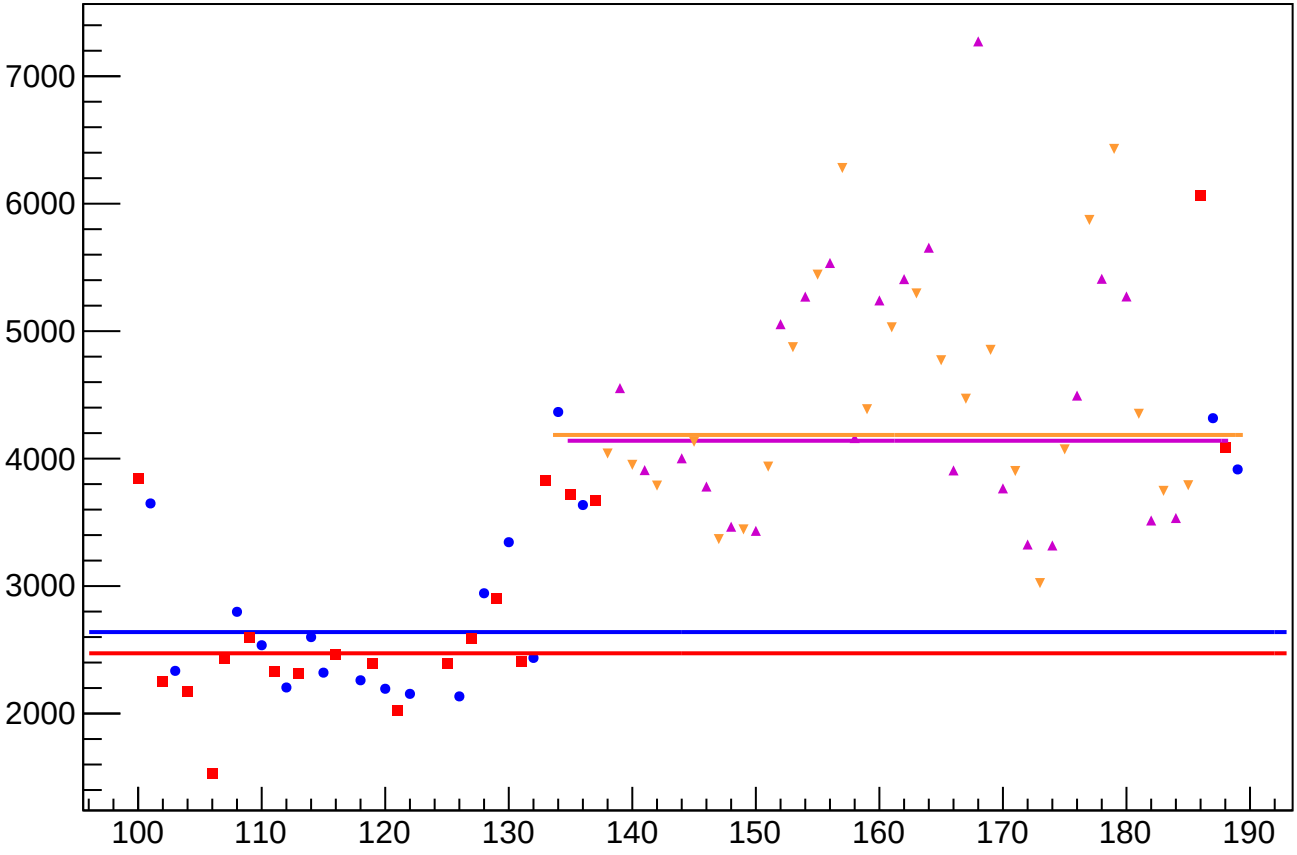
Left In: -266.236+/-990.085 χ^2/NDF:13.4/22

+ sign 354.360+/-692.551 χ^2/NDF: 45.2/41

All: 13.045+/-475.407 χ^2/NDF: 85.0/84

- sign -291.122+/-653.778 χ^2/NDF: 39.3/42

asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug



Right In: 2639.064+/-0.682 χ^2/NDF: 792256.2/17

Left Out: 4185.664+/-0.704 χ^2/NDF:1271247.4/23

Right Out: 2472.606+/-0.616 χ^2/NDF: 1227259.0/19

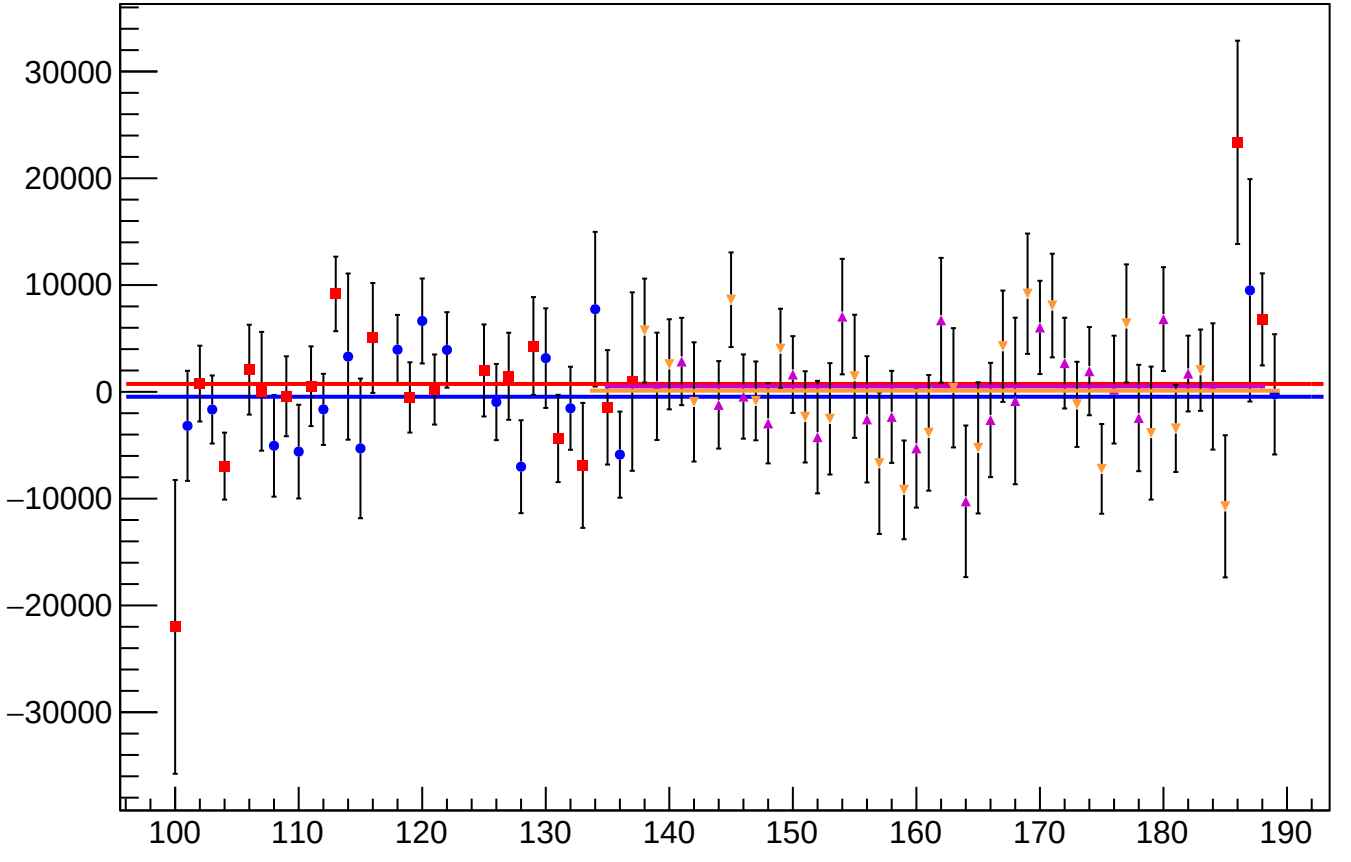
Left In: 4140.059+/-0.700 χ^2/NDF:1449925.1/22

+ sign 3388.102+/-0.490 χ^2/NDF: 4554622.1/41

All: 3288.460+/-0.336 χ^2/NDF: 10509356.7/8

- sign 3199.664+/-0.462 χ^2/NDF: 5876440.1/42

asym_usl_atl2_dd_mean vs Slug



Right In: -458.939+/-1018.098 χ^2/NDF: 17.2/17

Left Out: 108.966+/-975.598 χ^2/NDF:28.0/23

Right Out: 740.321+/-958.495 χ^2/NDF: 27.5/19

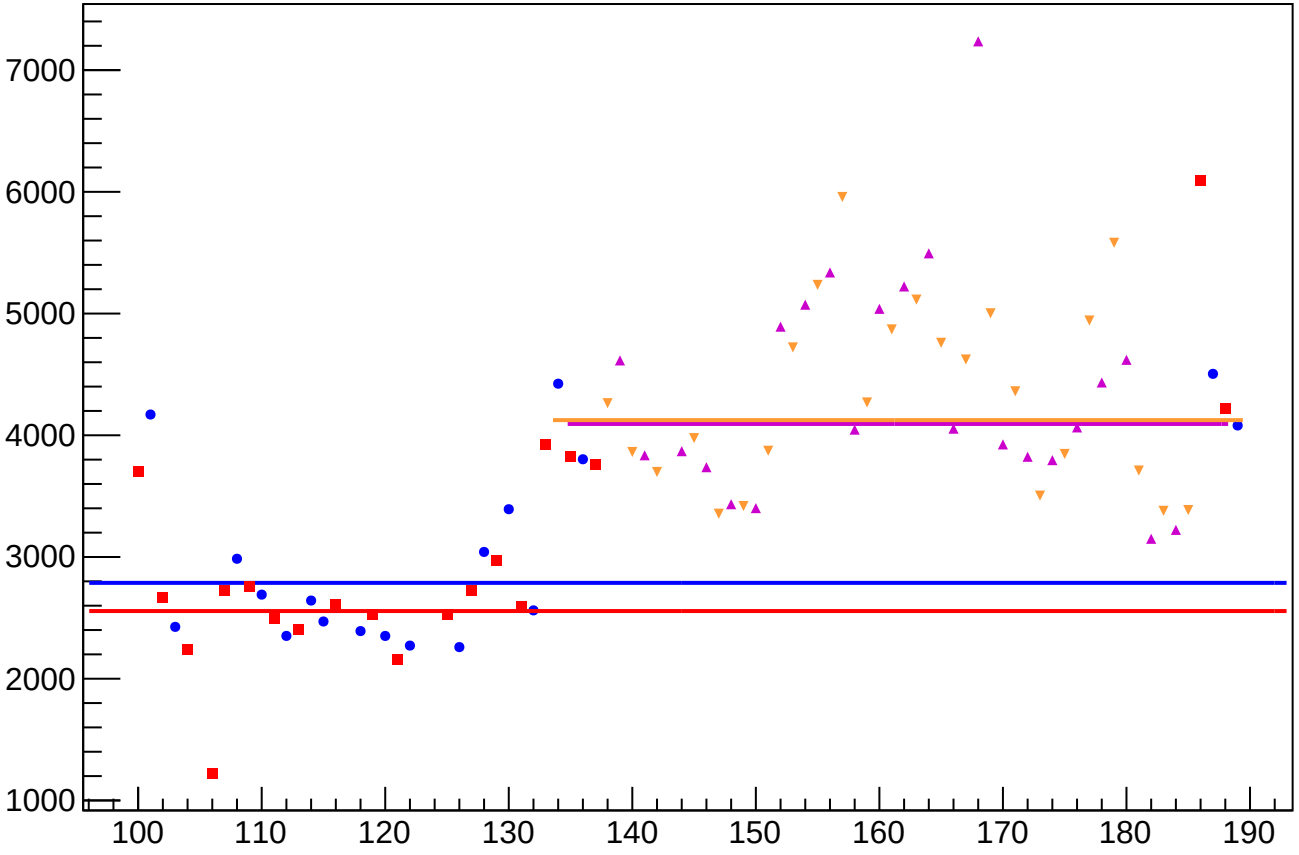
Left In: 509.024+/-974.173 χ^2/NDF:13.5/22

\+ sign -162.886+/-704.398 χ^2/NDF: 45.4/41

All: 243.869+/-490.431 χ^2/NDF: 87.0/84

\- sign 626.549+/-683.234 χ^2/NDF: 41.0/42

asym_usl_atl2_dd_rms vs Slug



Right In: 2787.514+/-0.720 χ^2/NDF: 789898.2/17

Left Out: 4124.485+/-0.690 χ^2/NDF:969929.3/23

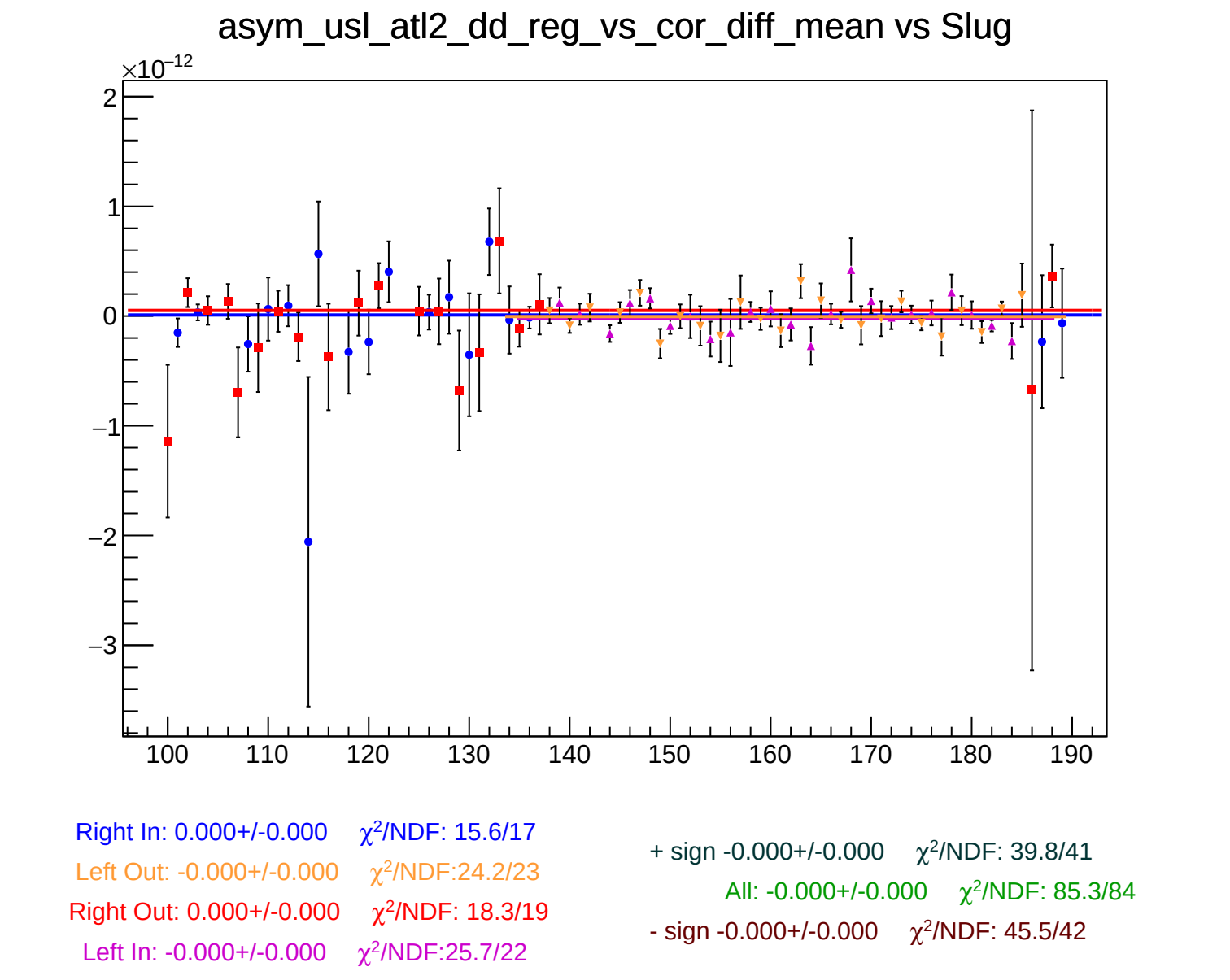
Right Out: 2555.940+/-0.648 χ^2/NDF: 1496435.3/19

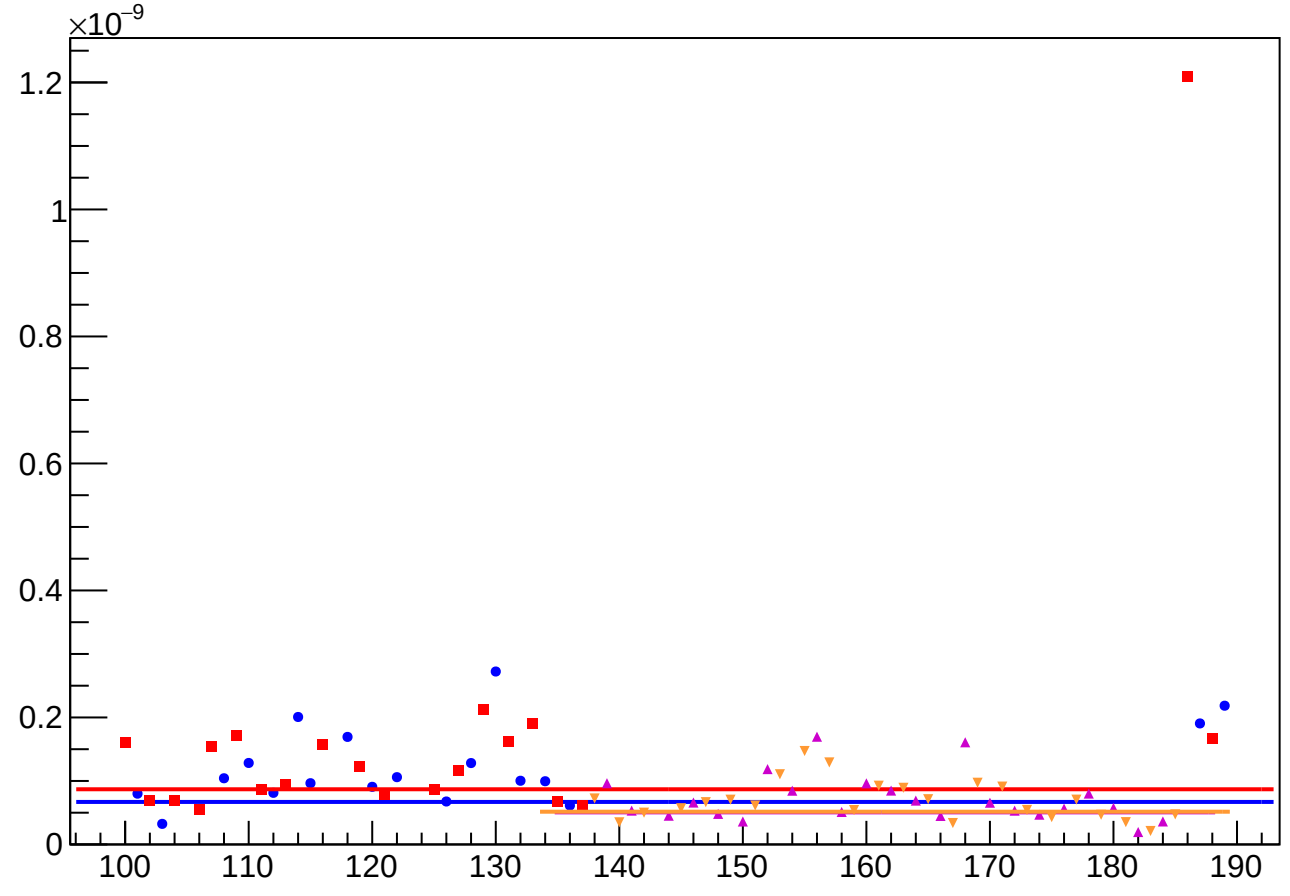
Left In: 4093.066+/-0.689 χ^2/NDF:1162851.8/22

+ sign 3484.485+/-0.498 χ^2/NDF: 3557825.6/41

All: 3375.822+/-0.343 χ^2/NDF: 8947278.1/84

- sign 3278.169+/-0.472 χ^2/NDF: 5299085.0/42


asym_usl_atl2_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 15.6/17
Left Out: -0.000+/-0.000 χ²/NDF:24.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 18.3/19
Left In: -0.000+/-0.000 χ²/NDF:25.7/22
+ sign -0.000+/-0.000 χ²/NDF: 39.8/41
All: -0.000+/-0.000 χ²/NDF: 85.3/84
- sign -0.000+/-0.000 χ²/NDF: 45.5/42



Right In: 0.000+/-0.000 χ^2/NDF: 1494394.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:2269565.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1240294.6/19

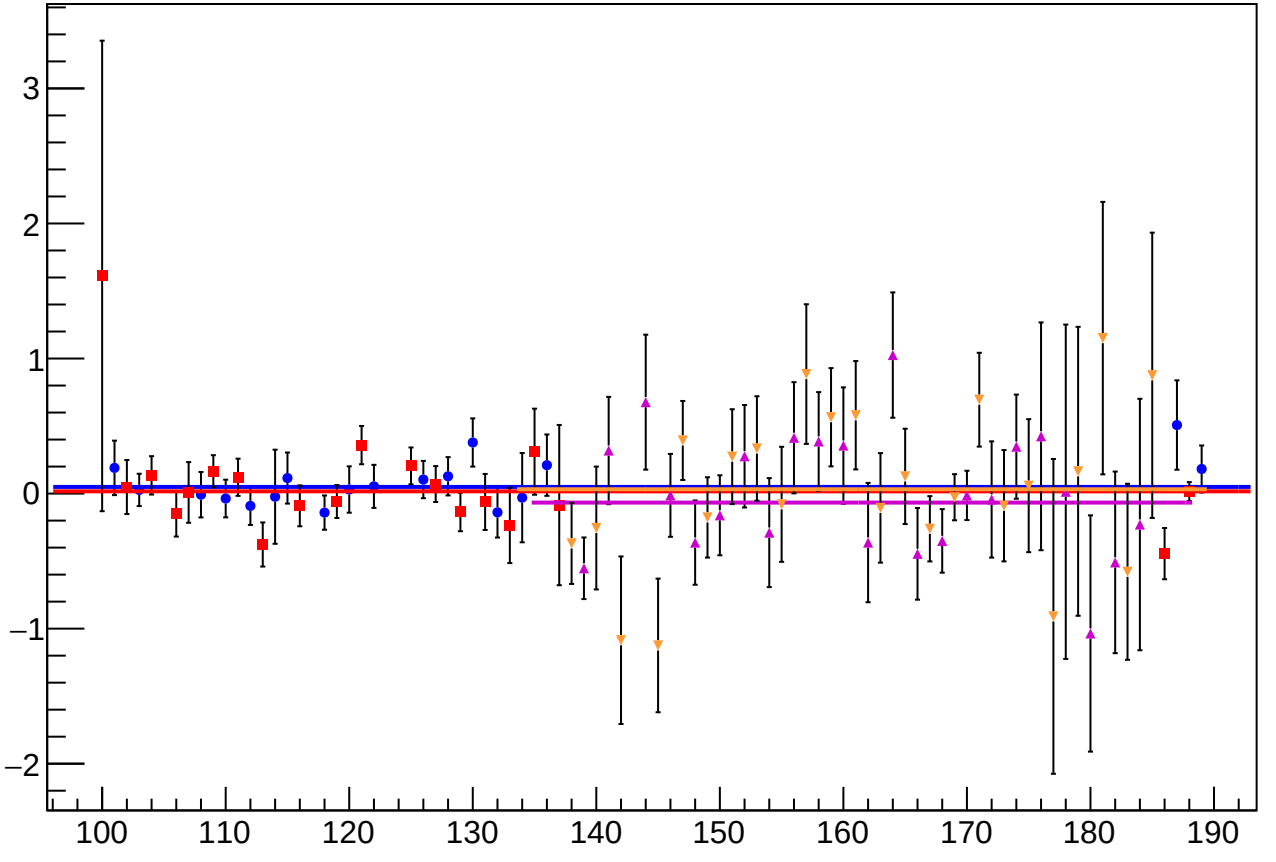
Left In: 0.000+/-0.000 χ^2/NDF:2433650.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 3960312.2/41

All: 0.000+/-0.000 χ^2/NDF: 8457110.2/84

- sign 0.000+/-0.000 χ^2/NDF: 4492953.2/42

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.049+/-0.040 χ^2/NDF: 12.4/17

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: 0.017+/-0.033 χ^2/NDF: 28.2/19

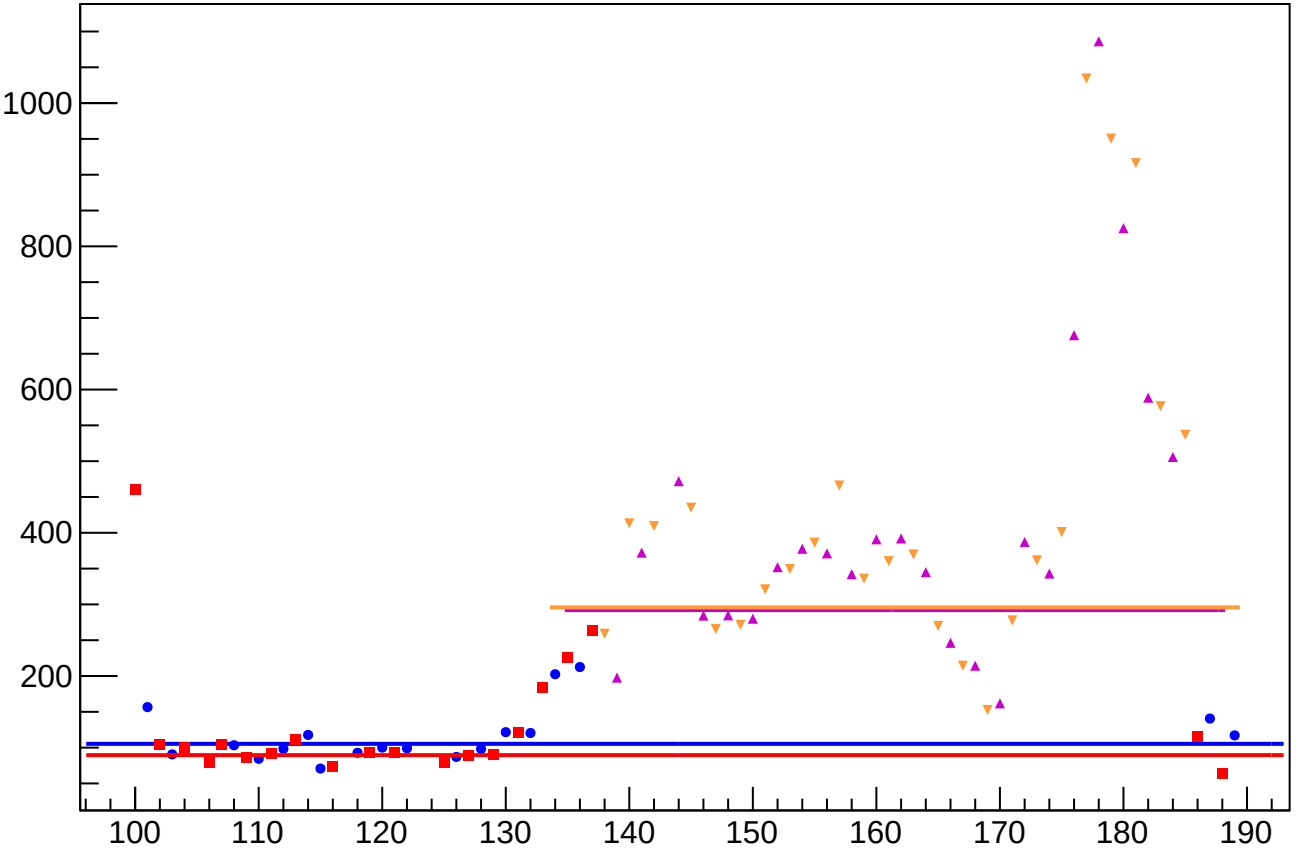
Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.046+/-0.035 χ^2/NDF: 42.1/41

All: 0.021+/-0.023 χ^2/NDF: 97.9/84

- sign 0.003+/-0.031 χ^2/NDF: 54.9/42

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 105.298+/-0.028 χ^2/NDF: 1023518.4/17

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

Right Out: 89.527+/-0.024 χ^2/NDF: 1337474.4/19

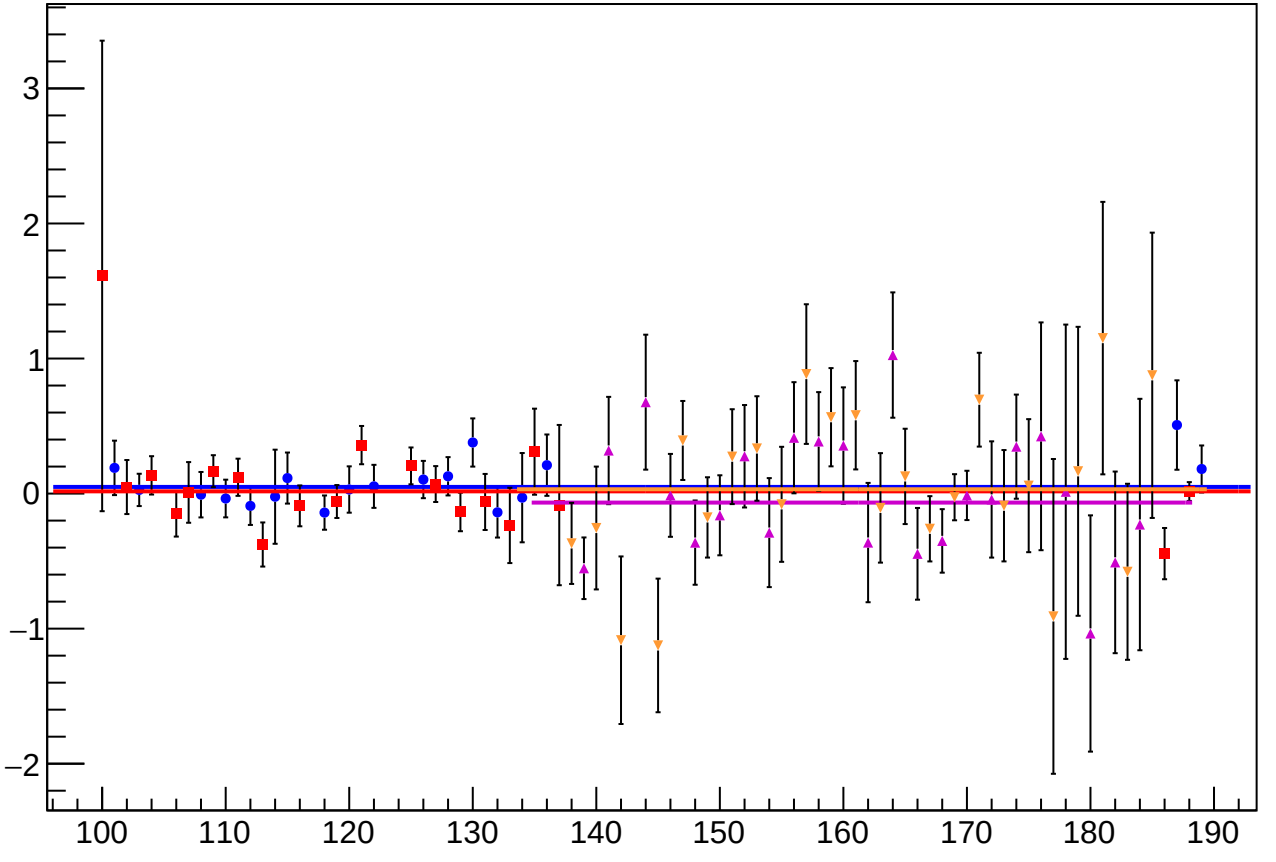
Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

+ sign 146.050+/-0.025 χ^2/NDF: 16401088.9/41

All: 133.077+/-0.016 χ^2/NDF: 35520606.8/84

- sign 123.305+/-0.022 χ^2/NDF: 18641965.7/42

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.049+/-0.040 χ^2/NDF: 12.4/17

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

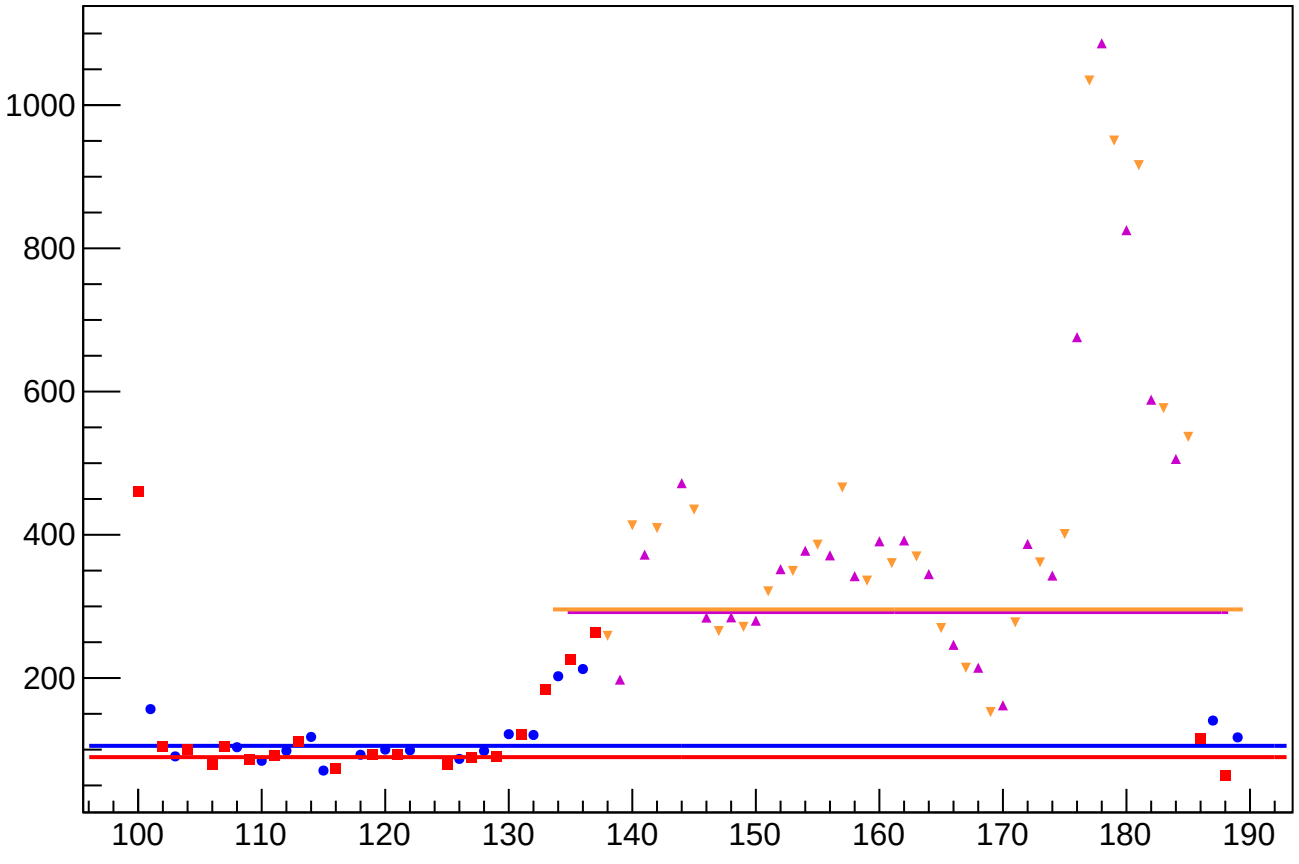
Right Out: 0.017+/-0.033 χ^2/NDF: 28.2/19

Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.046+/-0.035 χ^2/NDF: 42.1/41

All: 0.021+/-0.023 χ^2/NDF: 97.9/84

- sign 0.003+/-0.031 χ^2/NDF: 54.9/42



Right In: 105.298+/-0.028 χ^2/NDF: 1023518.4/17

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

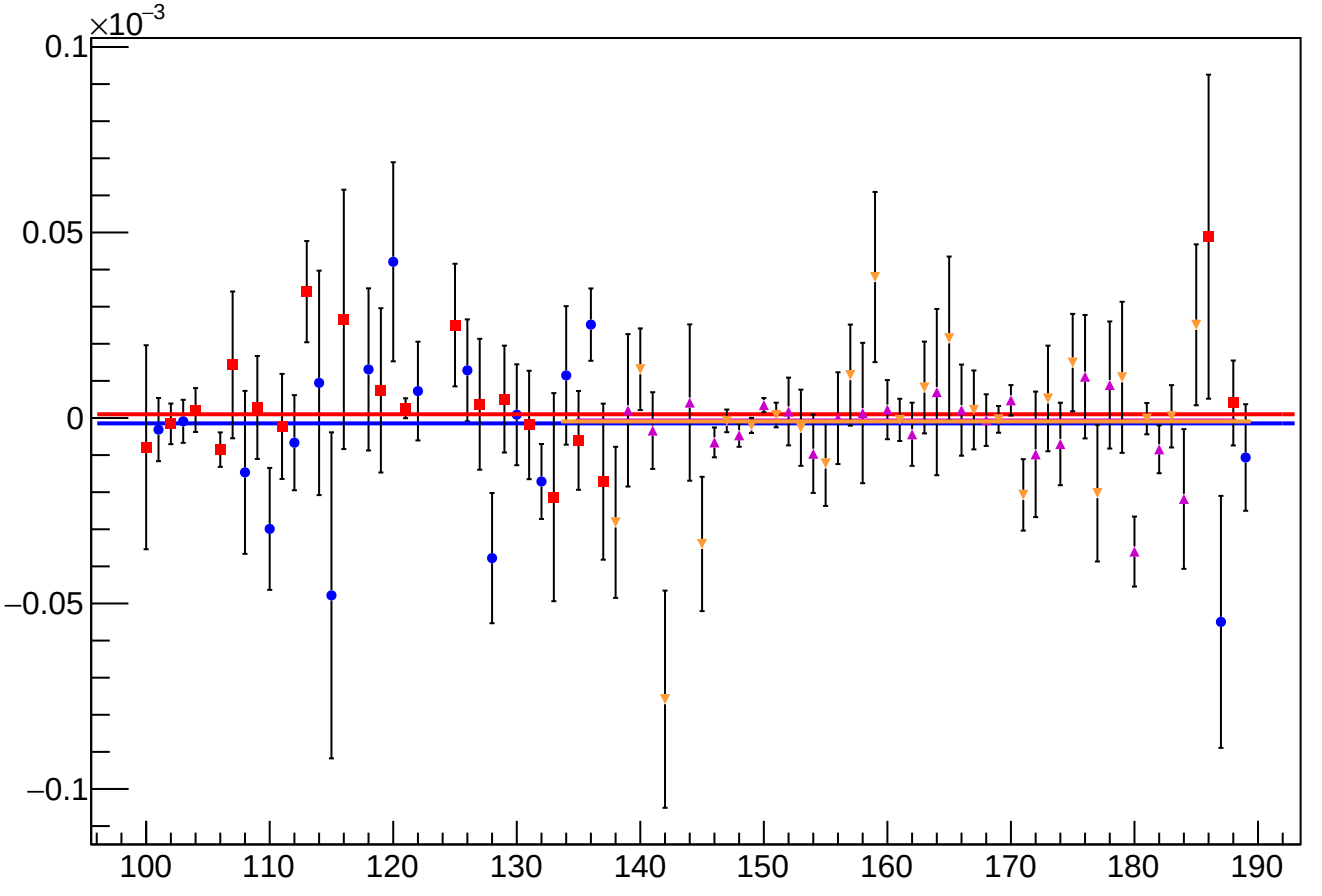
Right Out: 89.527+/-0.024 χ^2/NDF: 1337474.4/19

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

+ sign 146.050+/-0.025 χ^2/NDF: 16401088.9/41

All: 133.077+/-0.016 χ^2/NDF: 35520606.8/84

- sign 123.305+/-0.022 χ^2/NDF: 18641965.7/42



Right In: -0.000+/-0.000 χ^2/NDF: 26.9/17

Left Out: -0.000+/-0.000 χ^2/NDF:29.1/23

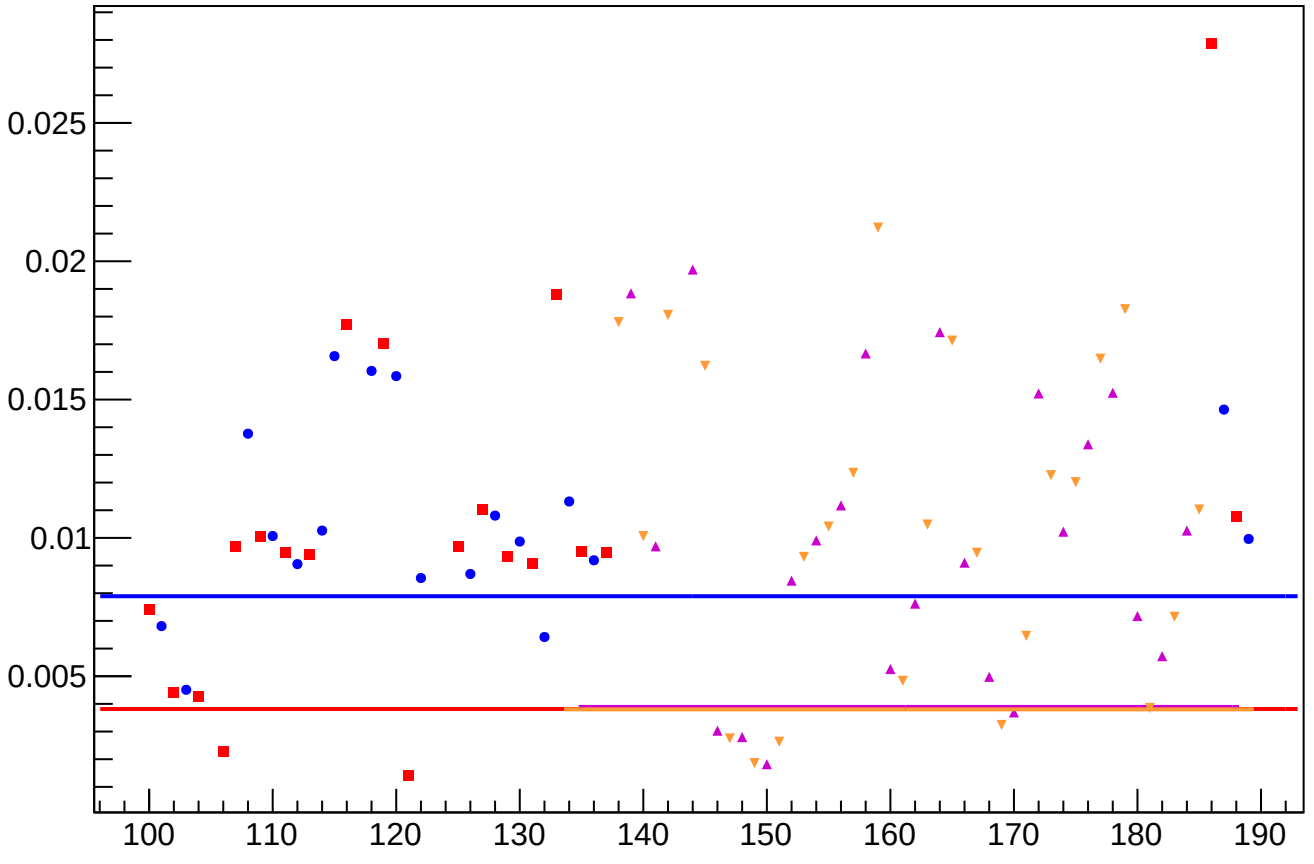
Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/19

Left In: -0.000+/-0.000 χ^2/NDF:29.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 56.0/41

All: -0.000+/-0.000 χ^2/NDF: 103.9/84

- sign -0.000+/-0.000 χ^2/NDF: 47.5/42



Right In: 0.008+/-0.000 χ^2/NDF: 1826861.8/17

Left Out: 0.004+/-0.000 χ^2/NDF:14624926.4/23

Right Out: 0.004+/-0.000 χ^2/NDF: 7740379.4/19

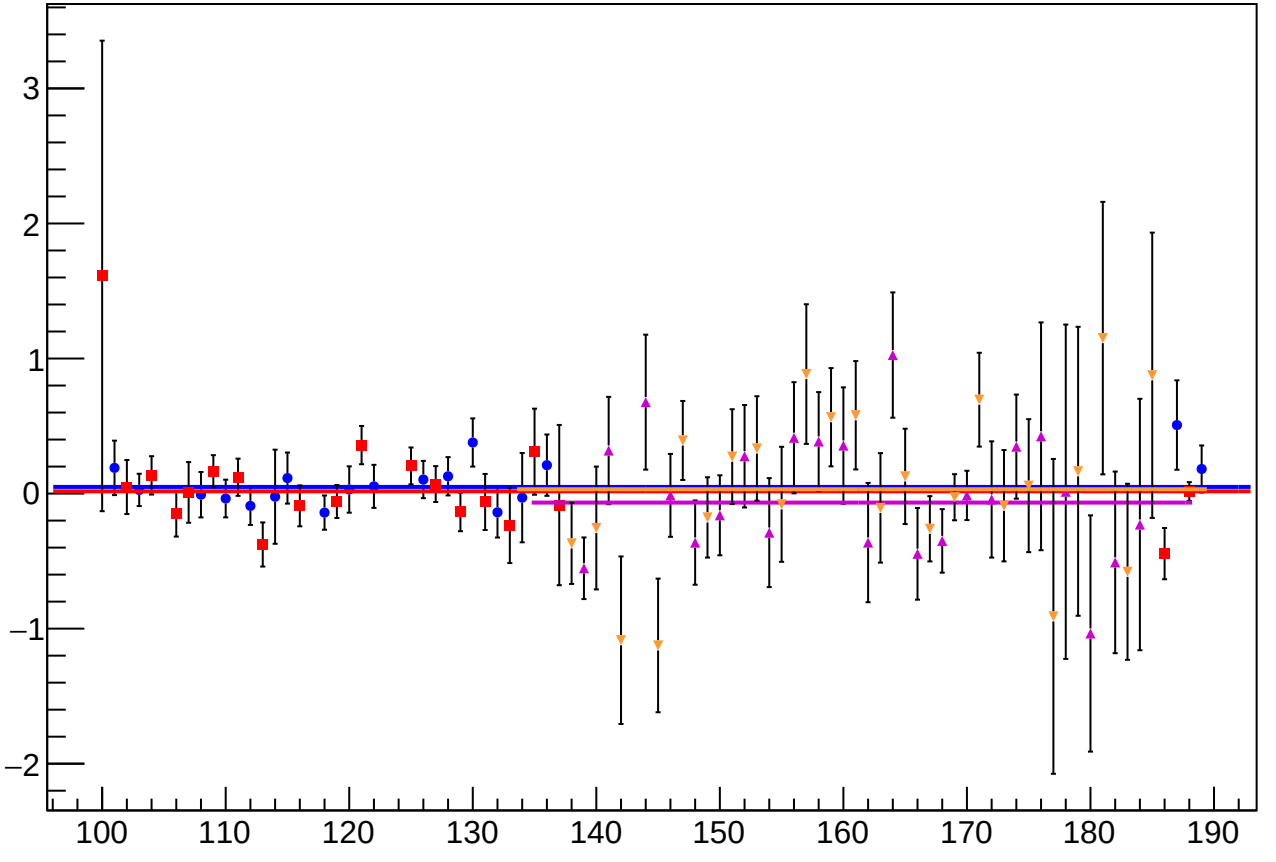
Left In: 0.004+/-0.000 χ^2/NDF:13523554.3/22

+ sign 0.004+/-0.000 χ^2/NDF: 19608666.2/41

All: 0.004+/-0.000 χ^2/NDF: 41081243.8/84

- sign 0.004+/-0.000 χ^2/NDF: 21266249.2/42

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.049+/-0.040 χ^2/NDF: 12.4/17

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

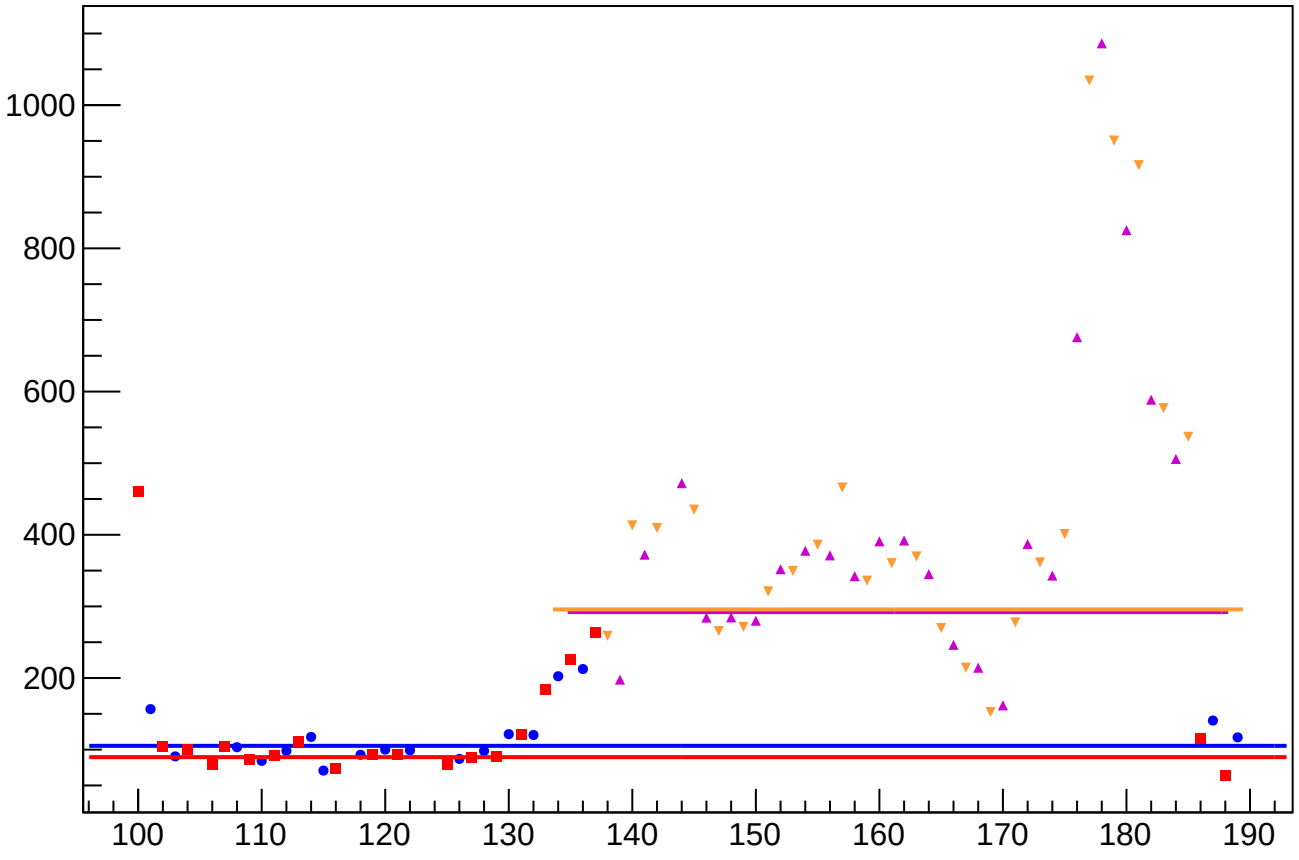
Right Out: 0.017+/-0.033 χ^2/NDF: 28.2/19

Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.046+/-0.035 χ^2/NDF: 42.1/41

All: 0.021+/-0.023 χ^2/NDF: 97.9/84

- sign 0.003+/-0.031 χ^2/NDF: 54.9/42



Right In: 105.298+/-0.028 χ^2/NDF: 1023462.7/17

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

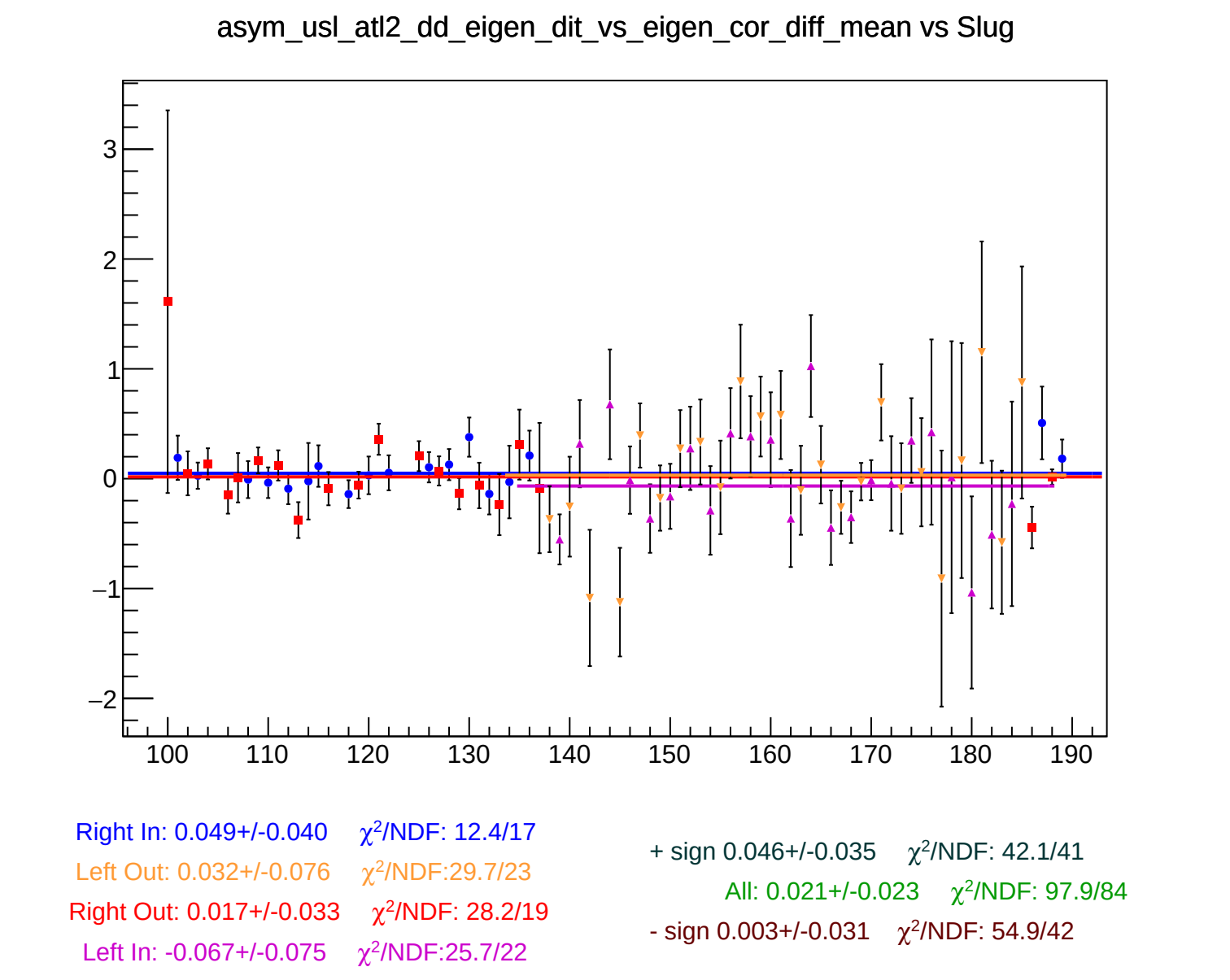
Right Out: 89.527+/-0.024 χ^2/NDF: 1337474.2/19

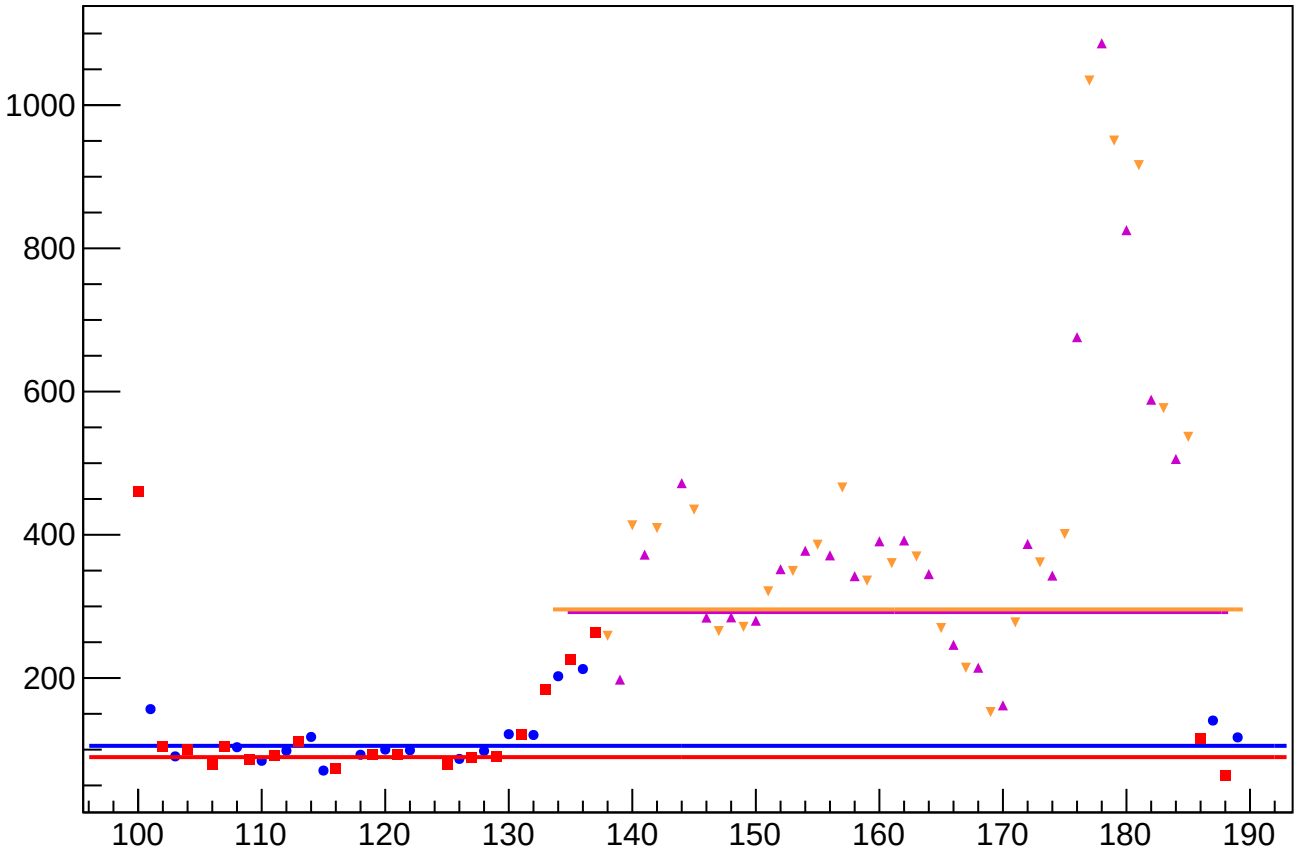
Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

+ sign 146.051+/-0.025 χ^2/NDF: 16401106.1/41

All: 133.077+/-0.016 χ^2/NDF: 35520939.0/84

- sign 123.304+/-0.022 χ^2/NDF: 18642215.7/42


asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
190
Right In: 0.049+/-0.040 χ²/NDF: 12.4/17
Left Out: 0.032+/-0.076 χ²/NDF:29.7/23
Right Out: 0.017+/-0.033 χ²/NDF: 28.2/19
Left In: -0.067+/-0.075 χ²/NDF:25.7/22
+ sign 0.046+/-0.035 χ²/NDF: 42.1/41
All: 0.021+/-0.023 χ²/NDF: 97.9/84
- sign 0.003+/-0.031 χ²/NDF: 54.9/42



Right In: 105.298+/-0.028 χ^2/NDF: 1023462.7/17

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

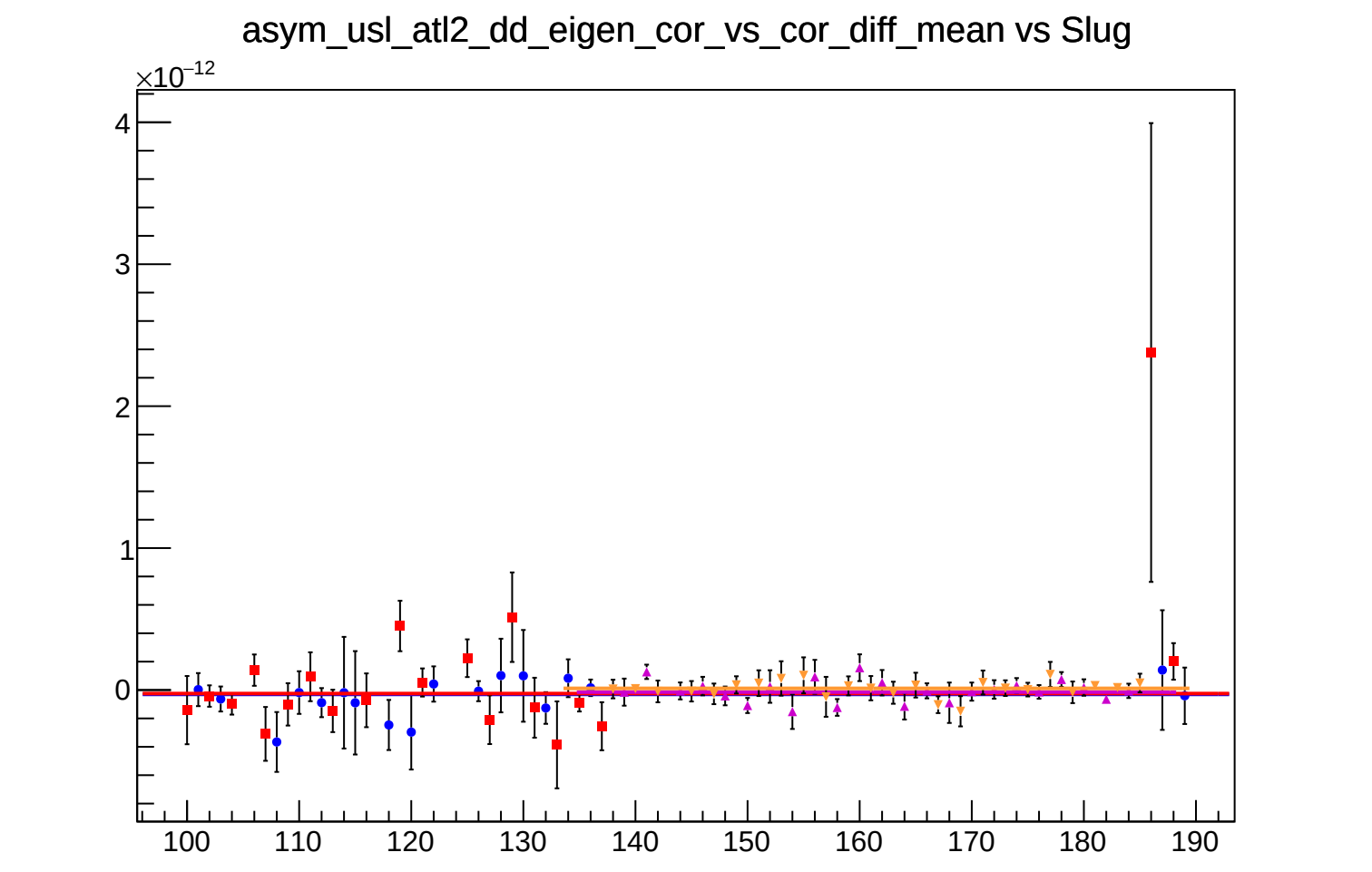
Right Out: 89.527+/-0.024 χ^2/NDF: 1337474.2/19

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

+ sign 146.051+/-0.025 χ^2/NDF: 16401106.1/41

All: 133.077+/-0.016 χ^2/NDF: 35520939.0/84

- sign 123.304+/-0.022 χ^2/NDF: 18642215.7/42



Right In: -0.000+/-0.000 χ^2/NDF: 8.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/23

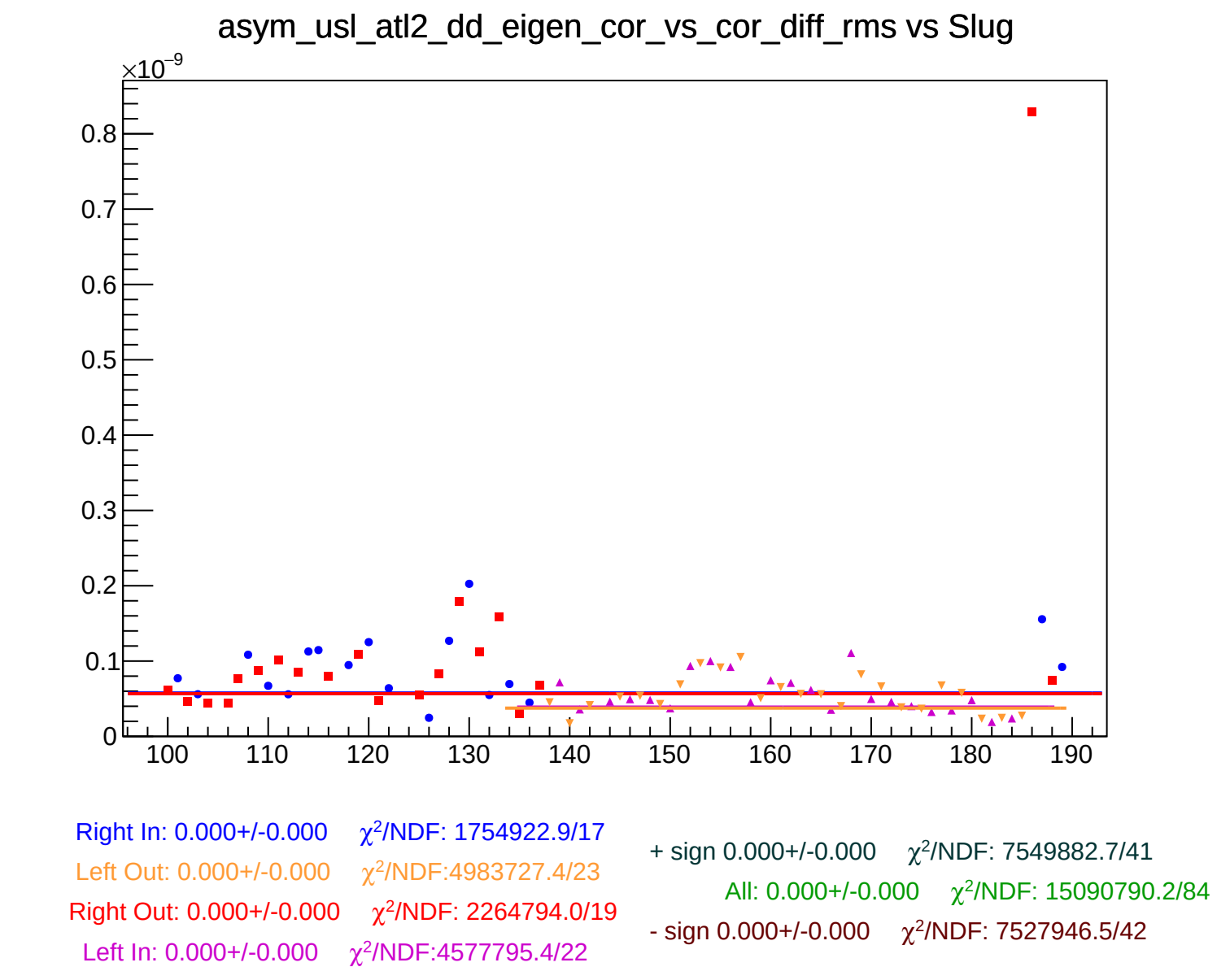
Right Out: -0.000+/-0.000 χ^2/NDF: 32.5/19

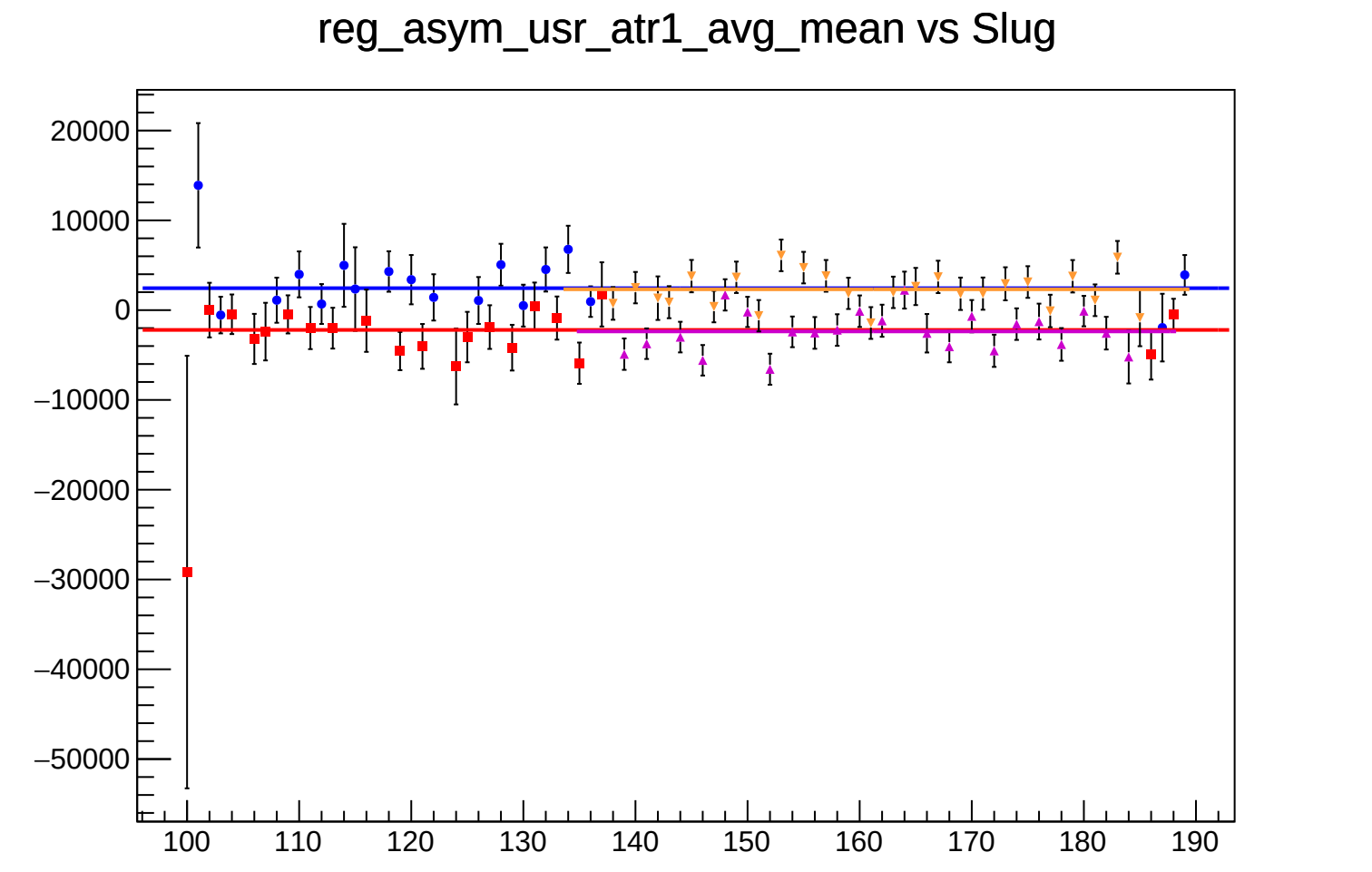
Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 21.2/41

All: -0.000+/-0.000 χ^2/NDF: 86.6/84

- sign -0.000+/-0.000 χ^2/NDF: 63.5/42


asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1754922.9/17
Left Out: 0.000+/-0.000 χ²/NDF:4983727.4/23
Right Out: 0.000+/-0.000 χ²/NDF: 2264794.0/19
Left In: 0.000+/-0.000 χ²/NDF:4577795.4/22
+ sign 0.000+/-0.000 χ²/NDF: 7549882.7/41
All: 0.000+/-0.000 χ²/NDF: 15090790.2/84
- sign 0.000+/-0.000 χ²/NDF: 7527946.5/42



Right In: 2446.984+/-598.435 χ^2/NDF: 15.6/17

Left Out: 2321.067+/-366.301 χ^2/NDF:27.5/24

Right Out: -2203.890+/-562.967 χ^2/NDF: 13.8/20

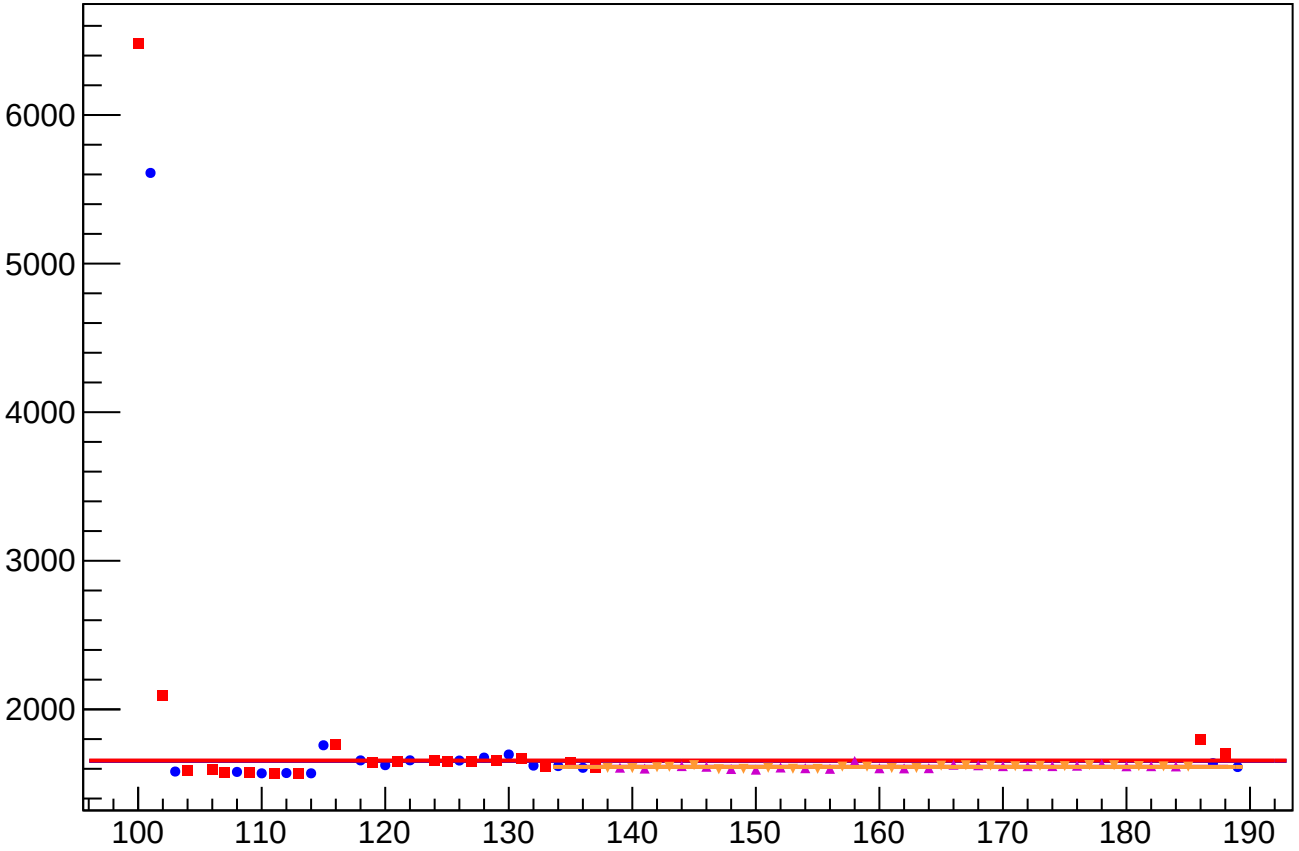
Left In: -2370.629+/-376.798 χ^2/NDF:33.7/22

+ sign 2355.386+/-312.421 χ^2/NDF: 43.2/42

All: 23.491+/-221.166 χ^2/NDF: 202.5/86

- sign -2319.044+/-313.133 χ^2/NDF: 47.6/43

reg_asym_usr_atr1_avg_rms vs Slug



Right In: 1652.938+/-0.423 χ^2/NDF: 667014.9/17

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

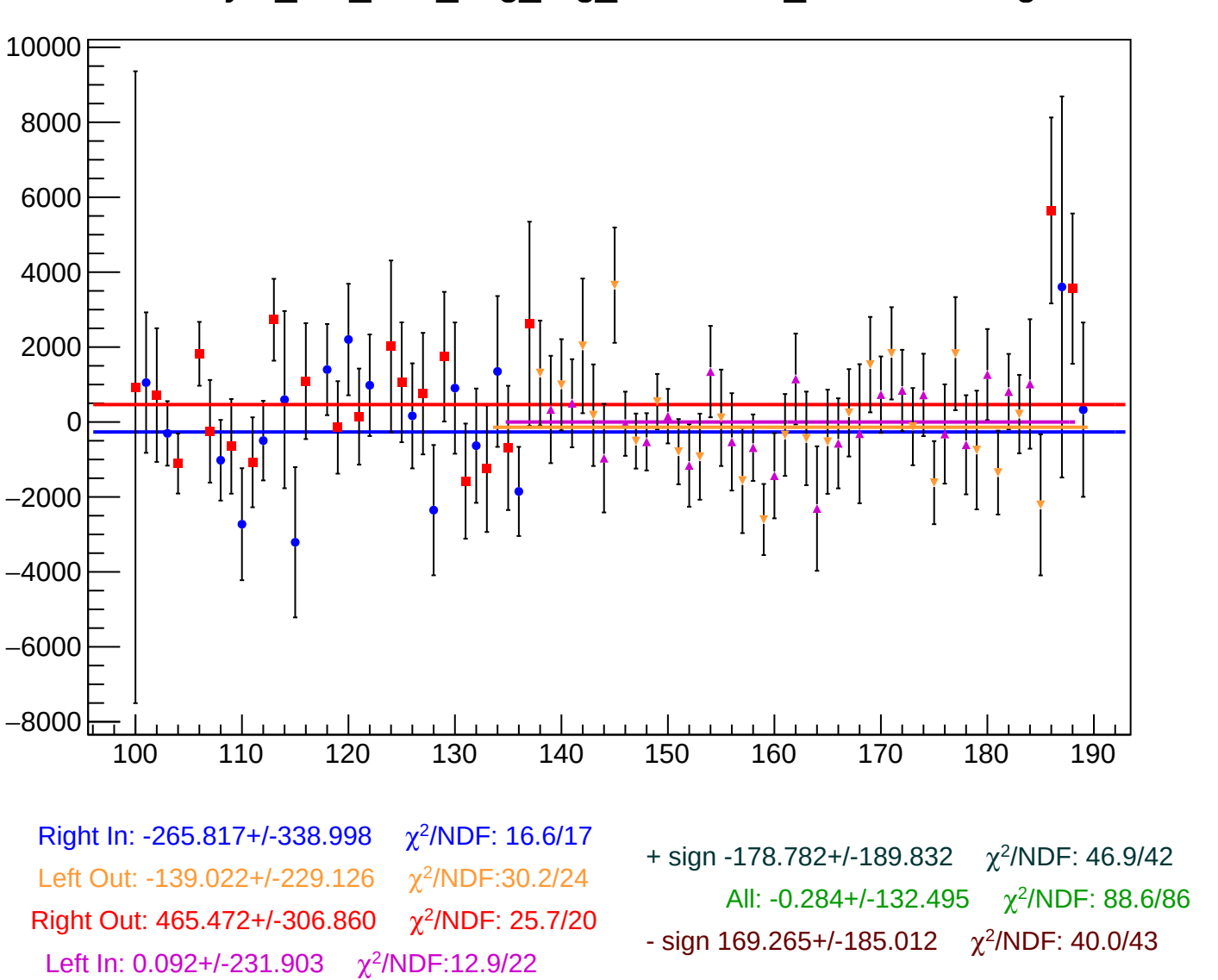
Right Out: 1655.535+/-0.398 χ^2/NDF: 144045.5/20

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

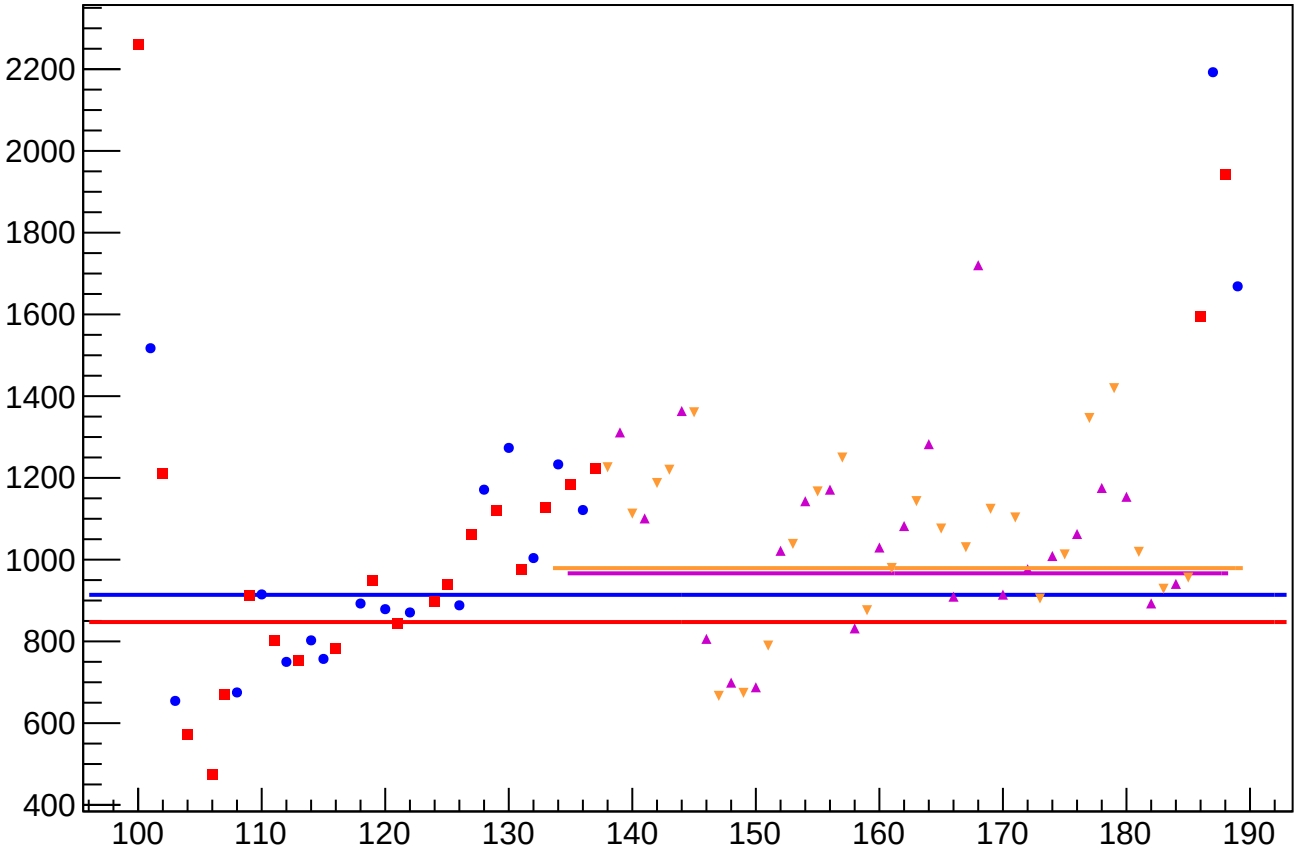
+ sign 1623.599+/-0.221 χ^2/NDF: 674795.4/42

All: 1625.150+/-0.156 χ^2/NDF: 828888.0/86

- sign 1626.707+/-0.221 χ^2/NDF: 153993.8/43


asym_usr_atr1_avg_reg_correction_mean vs Slug
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
180
190
Right In: -265.817+/-338.998 χ²/NDF: 16.6/17
Left Out: -139.022+/-229.126 χ²/NDF:30.2/24
Right Out: 465.472+/-306.860 χ²/NDF: 25.7/20
Left In: 0.092+/-231.903 χ²/NDF:12.9/22
+ sign -178.782+/-189.832 χ²/NDF: 46.9/42
All: -0.284+/-132.495 χ²/NDF: 88.6/86
- sign 169.265+/-185.012 χ²/NDF: 40.0/43

asym_usr_atr1_avg_reg_correction_rms vs Slug



Right In: 913.913+/-0.240 χ^2/NDF: 1139256.3/17

Left Out: 979.294+/-0.162 χ^2/NDF:1630623.2/24

Right Out: 847.352+/-0.217 χ^2/NDF: 1891366.1/20

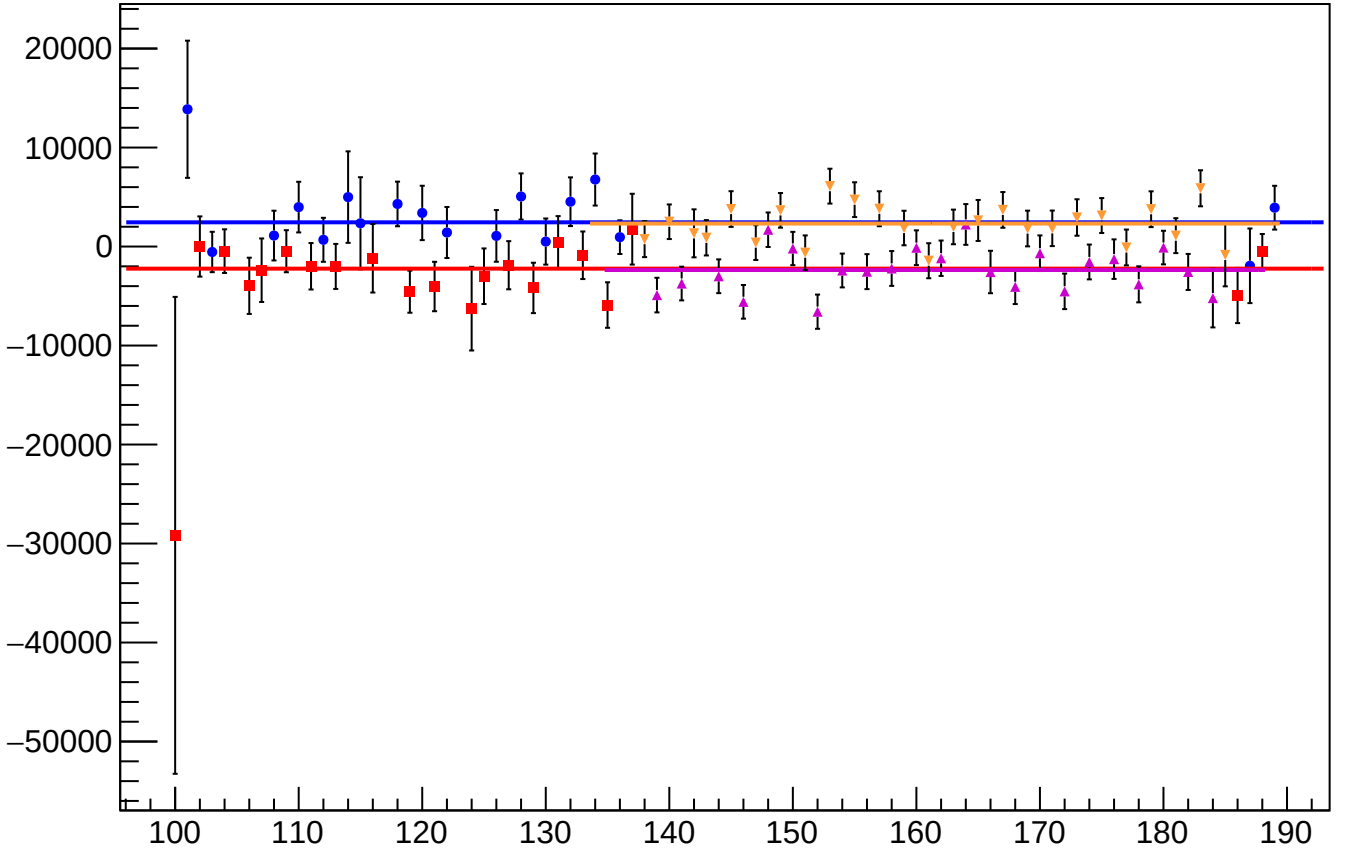
Left In: 966.526+/-0.164 χ^2/NDF:1602596.2/22

+ sign 958.792+/-0.134 χ^2/NDF: 2820946.2/42

All: 940.541+/-0.094 χ^2/NDF: 6542957.2/86

- sign 923.205+/-0.131 χ^2/NDF: 3685962.8/43

cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2446.487+/-598.435 χ^2/NDF: 15.6/17

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: -2232.735+/-563.362 χ^2/NDF: 14.1/20

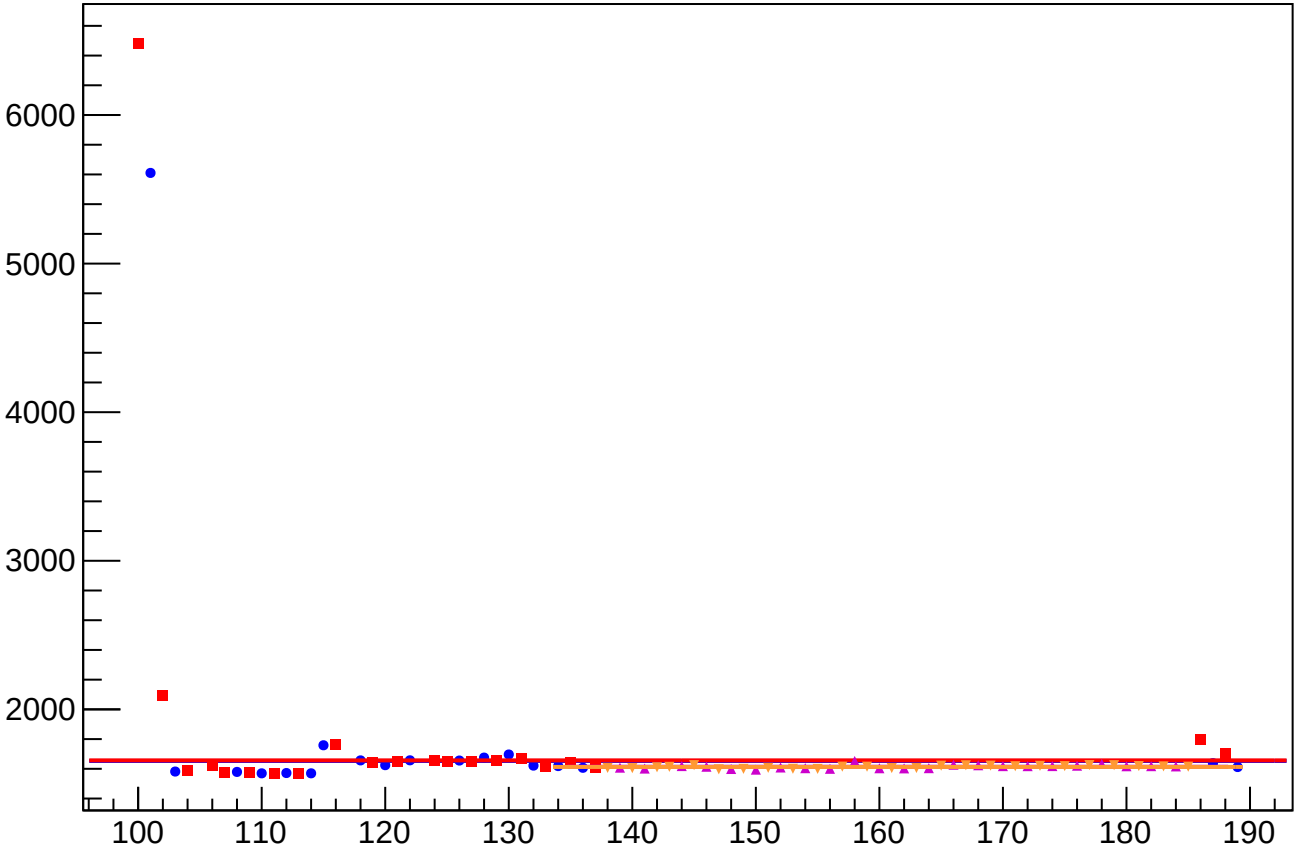
Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2355.219+/-312.421 χ^2/NDF: 43.2/42

All: 19.418+/-221.190 χ^2/NDF: 203.1/86

- sign -2328.058+/-313.200 χ^2/NDF: 47.9/43

cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1652.938+/-0.423 χ^2/NDF: 667014.4/17

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1656.664+/-0.398 χ^2/NDF: 143360.9/20

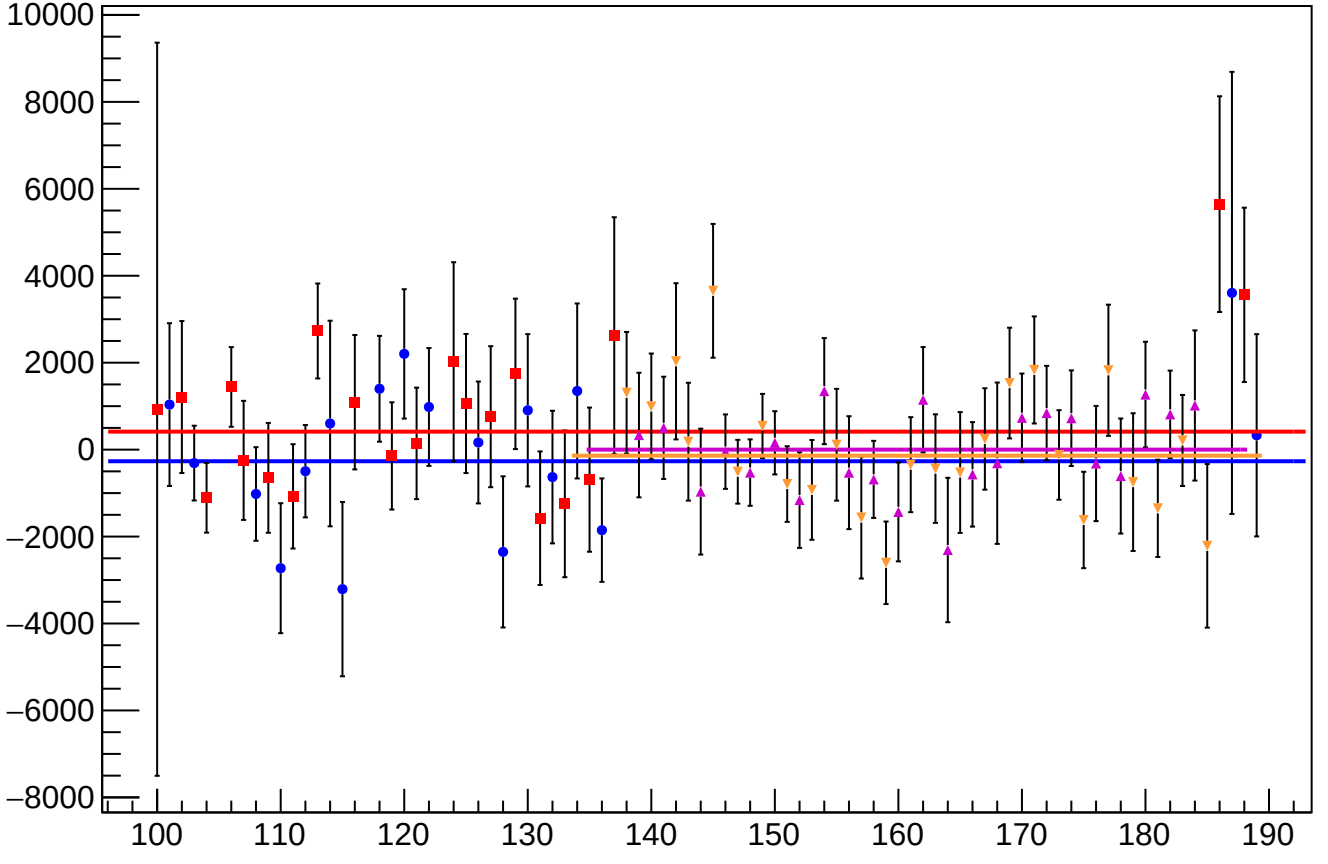
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1623.599+/-0.221 χ^2/NDF: 674795.0/42

All: 1625.317+/-0.156 χ^2/NDF: 828634.0/86

- sign 1627.044+/-0.221 χ^2/NDF: 153717.8/43

asym_usr_atr1_avg_cor_correction_mean vs Slug



Right In: -267.133+/-338.955 χ^2/NDF: 16.6/17

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

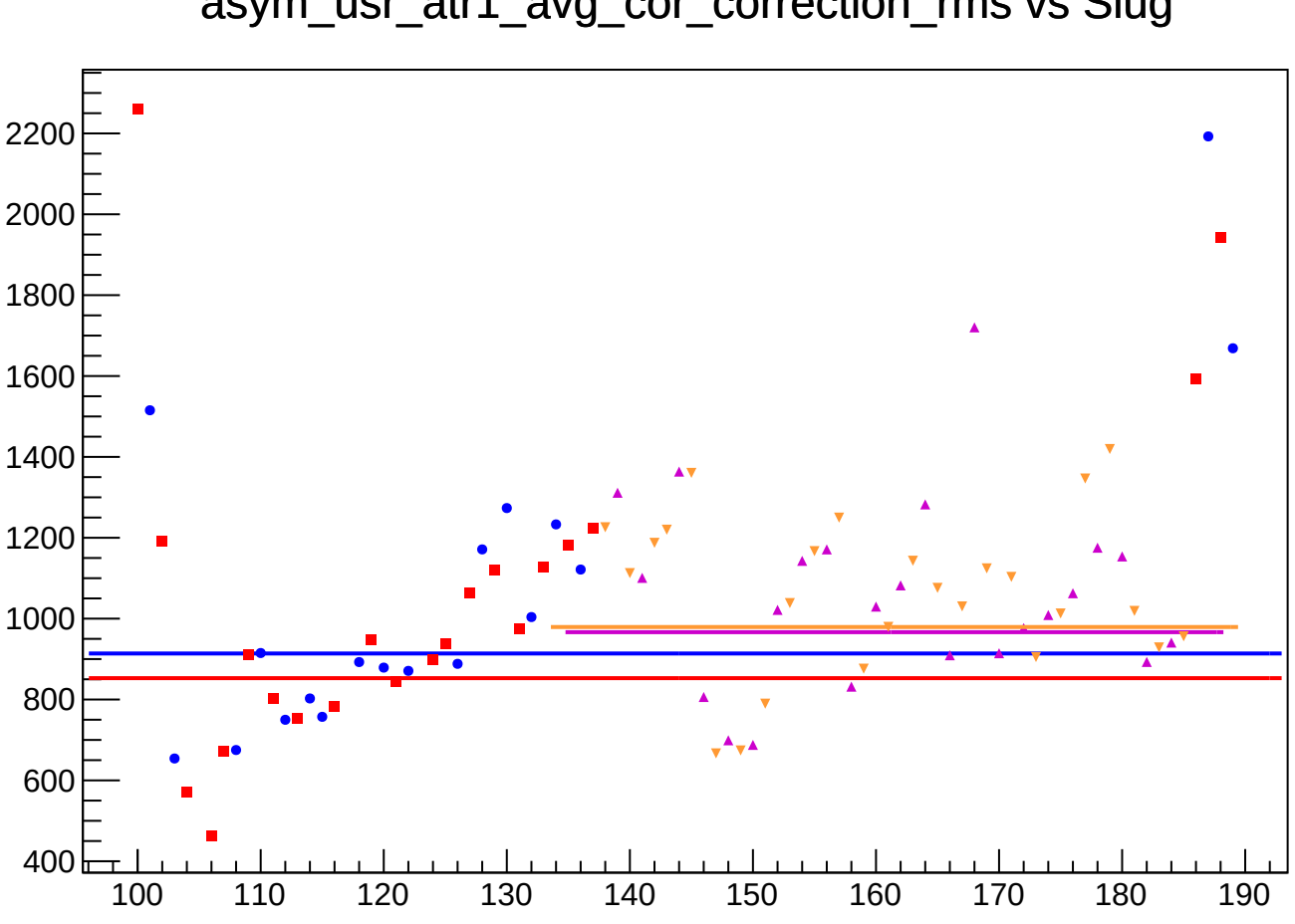
Right Out: 413.963+/-309.472 χ^2/NDF: 24.4/20

Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

+ sign -179.237+/-189.824 χ^2/NDF: 46.9/42

All: -11.457+/-132.700 χ^2/NDF: 86.8/86

- sign 148.906+/-185.581 χ^2/NDF: 38.4/43



Right In: 913.809+/-0.240 χ^2/NDF: 1139096.4/17

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 852.812+/-0.219 χ^2/NDF: 1852133.1/20

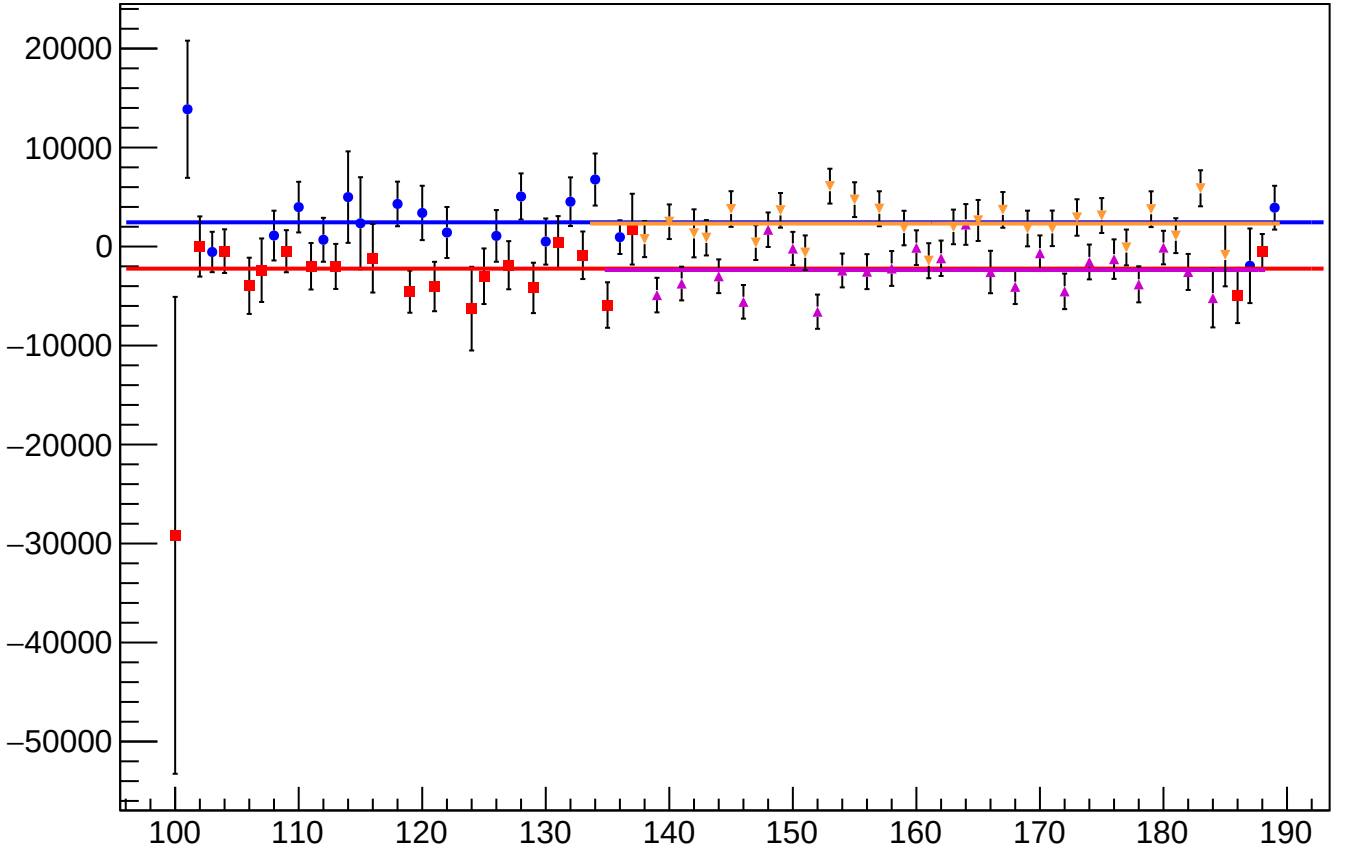
Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

+ sign 958.752+/-0.134 χ^2/NDF: 2821055.6/42

All: 941.820+/-0.094 χ^2/NDF: 6479815.6/86

- sign 925.637+/-0.131 χ^2/NDF: 3627639.8/43

eigen_cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2446.487+/-598.435 χ^2/NDF: 15.6/17

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: -2232.735+/-563.362 χ^2/NDF: 14.1/20

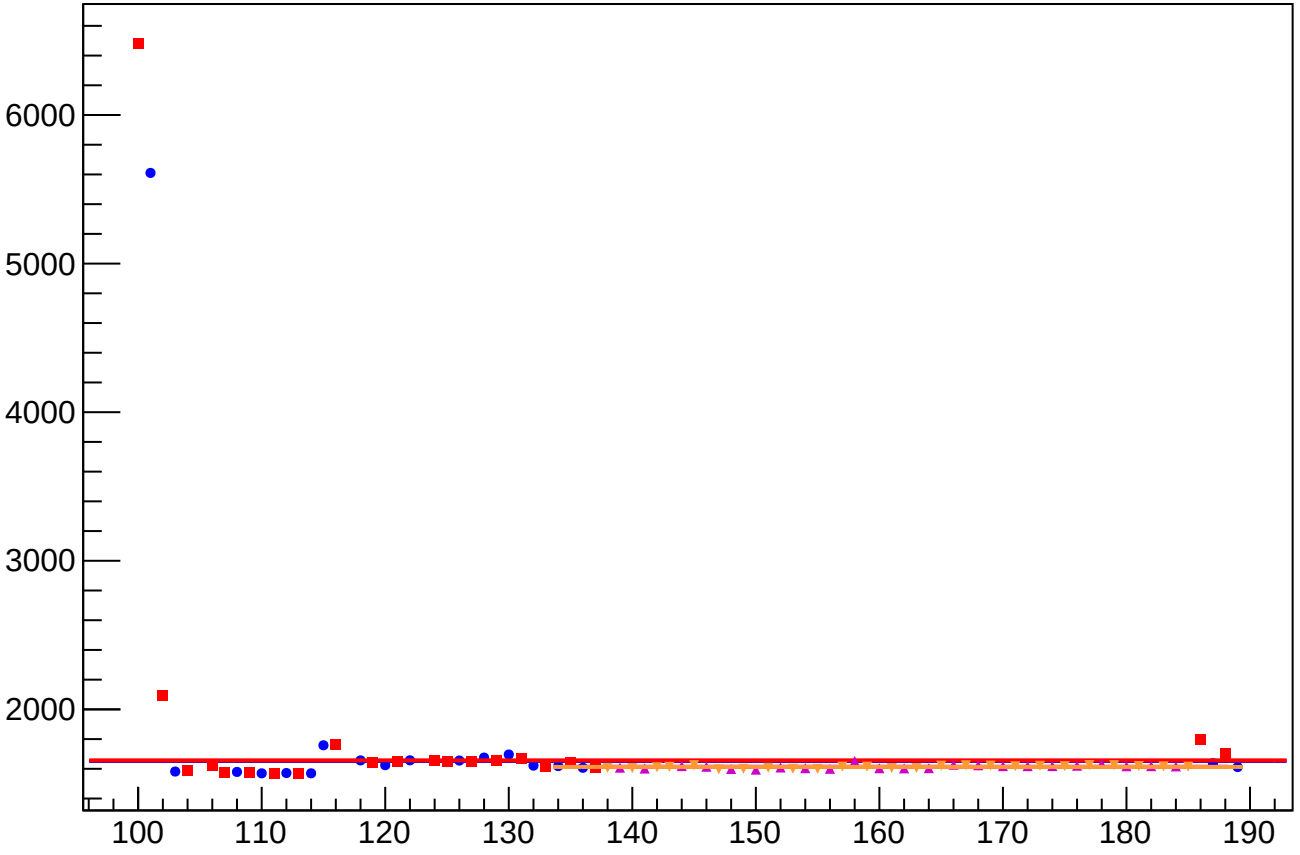
Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2355.219+/-312.421 χ^2/NDF: 43.2/42

All: 19.418+/-221.190 χ^2/NDF: 203.1/86

- sign -2328.058+/-313.200 χ^2/NDF: 47.9/43

eigen_cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1652.938+/-0.423 χ^2/NDF: 667014.4/17

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

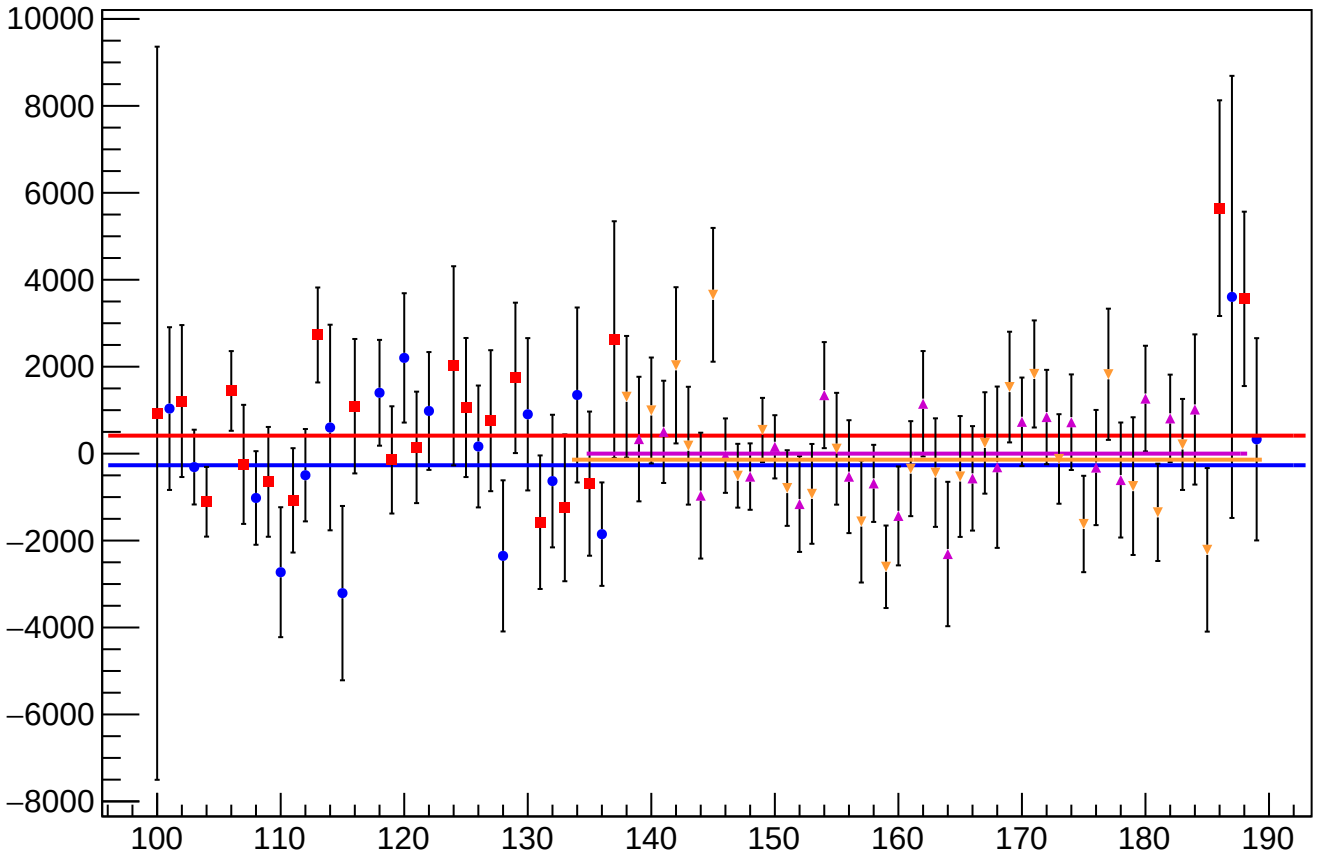
Right Out: 1656.664+/-0.398 χ^2/NDF: 143360.9/20

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1623.599+/-0.221 χ^2/NDF: 674795.0/42

All: 1625.317+/-0.156 χ^2/NDF: 828634.0/86

- sign 1627.044+/-0.221 χ^2/NDF: 153717.8/43



Right In: -267.133+/-338.955 χ^2/NDF: 16.6/17

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

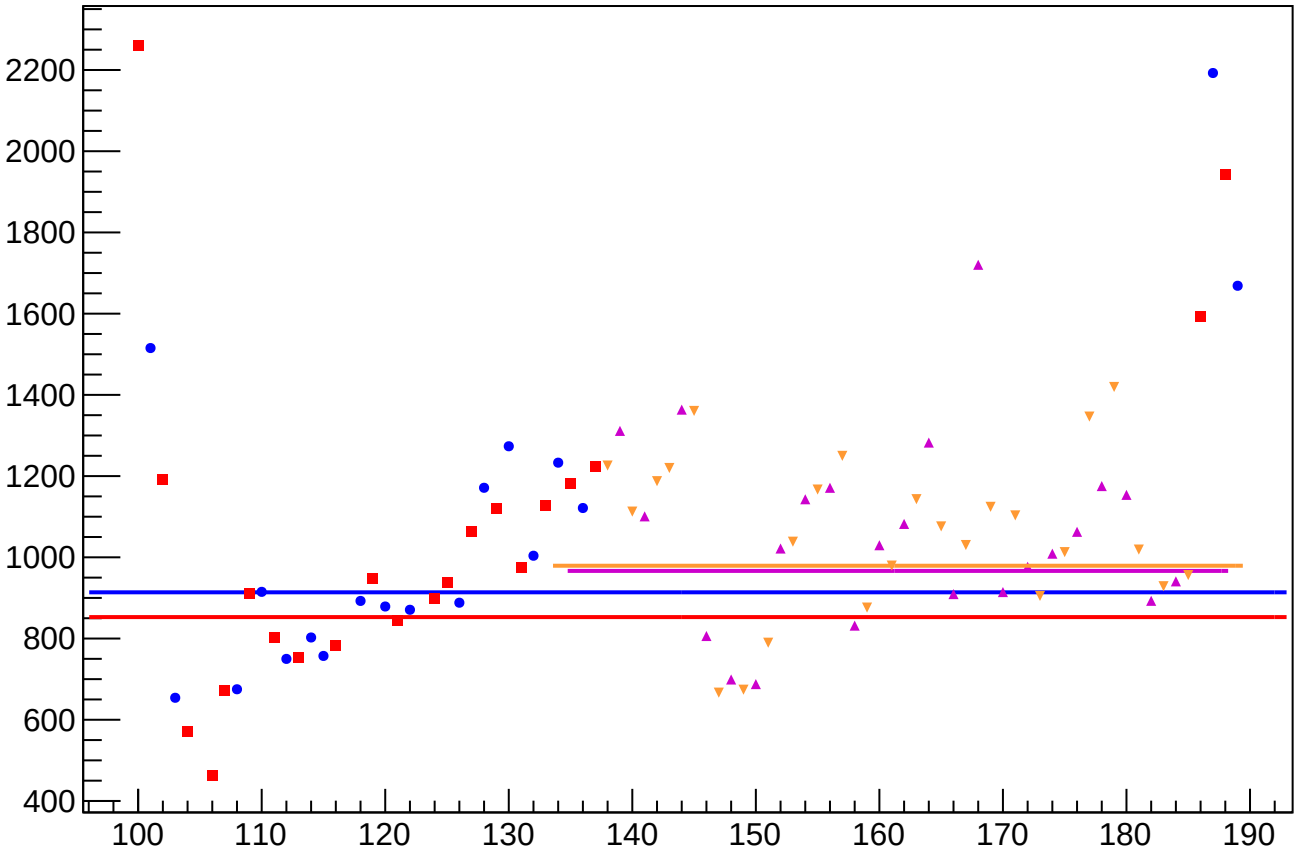
Right Out: 413.963+/-309.472 χ^2/NDF: 24.4/20

Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

\+ sign -179.237+/-189.824 χ^2/NDF: 46.9/42

All: -11.457+/-132.700 χ^2/NDF: 86.8/86

\- sign 148.906+/-185.581 χ^2/NDF: 38.4/43



Right In: 913.809+/-0.240 χ^2/NDF: 1139096.4/17

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

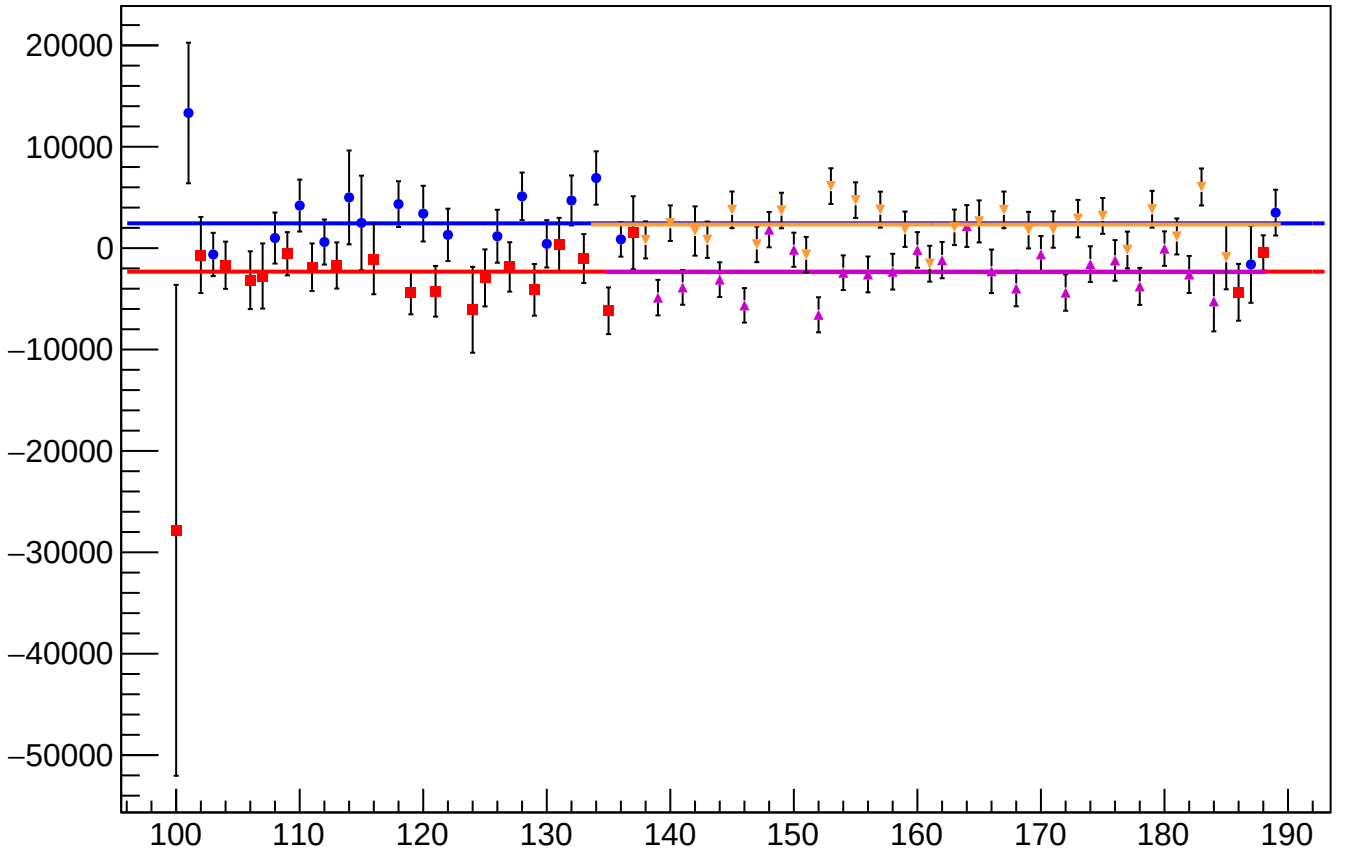
Right Out: 852.812+/-0.219 χ^2/NDF: 1852133.1/20

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

+ sign 958.752+/-0.134 χ^2/NDF: 2821055.6/42

All: 941.820+/-0.094 χ^2/NDF: 6479815.6/86

- sign 925.637+/-0.131 χ^2/NDF: 3627639.8/43



Right In: 2445.163+/-602.479 χ^2/NDF: 15.6/17

Left Out: 2334.840+/-366.991 χ^2/NDF:28.3/24

Right Out: -2316.477+/-569.836 χ^2/NDF: 12.2/20

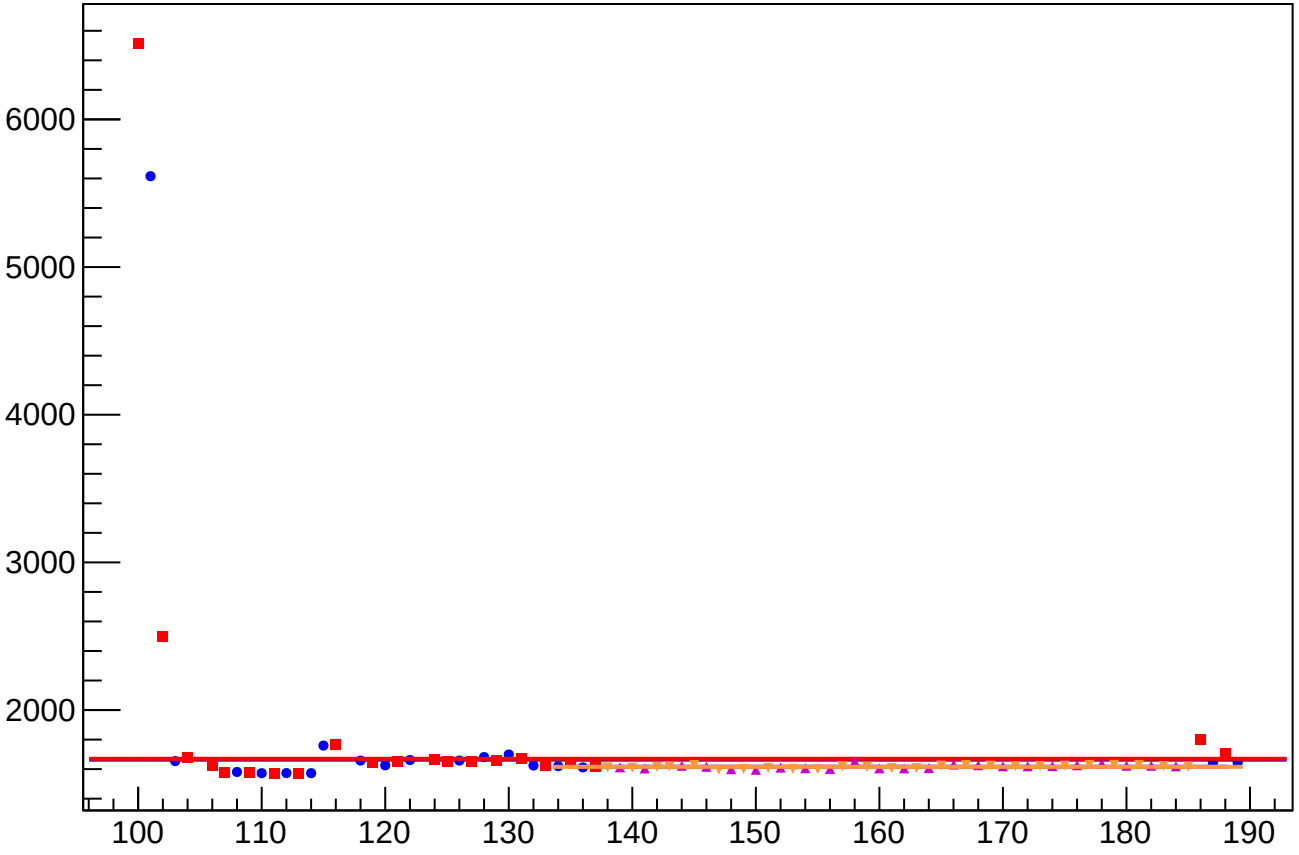
Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2364.697+/-313.422 χ^2/NDF: 43.9/42

All: 18.090+/-222.055 χ^2/NDF: 202.7/86

- sign -2346.931+/-314.649 χ^2/NDF: 46.3/43

dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1664.263+/-0.426 χ^2/NDF: 663150.2/17

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

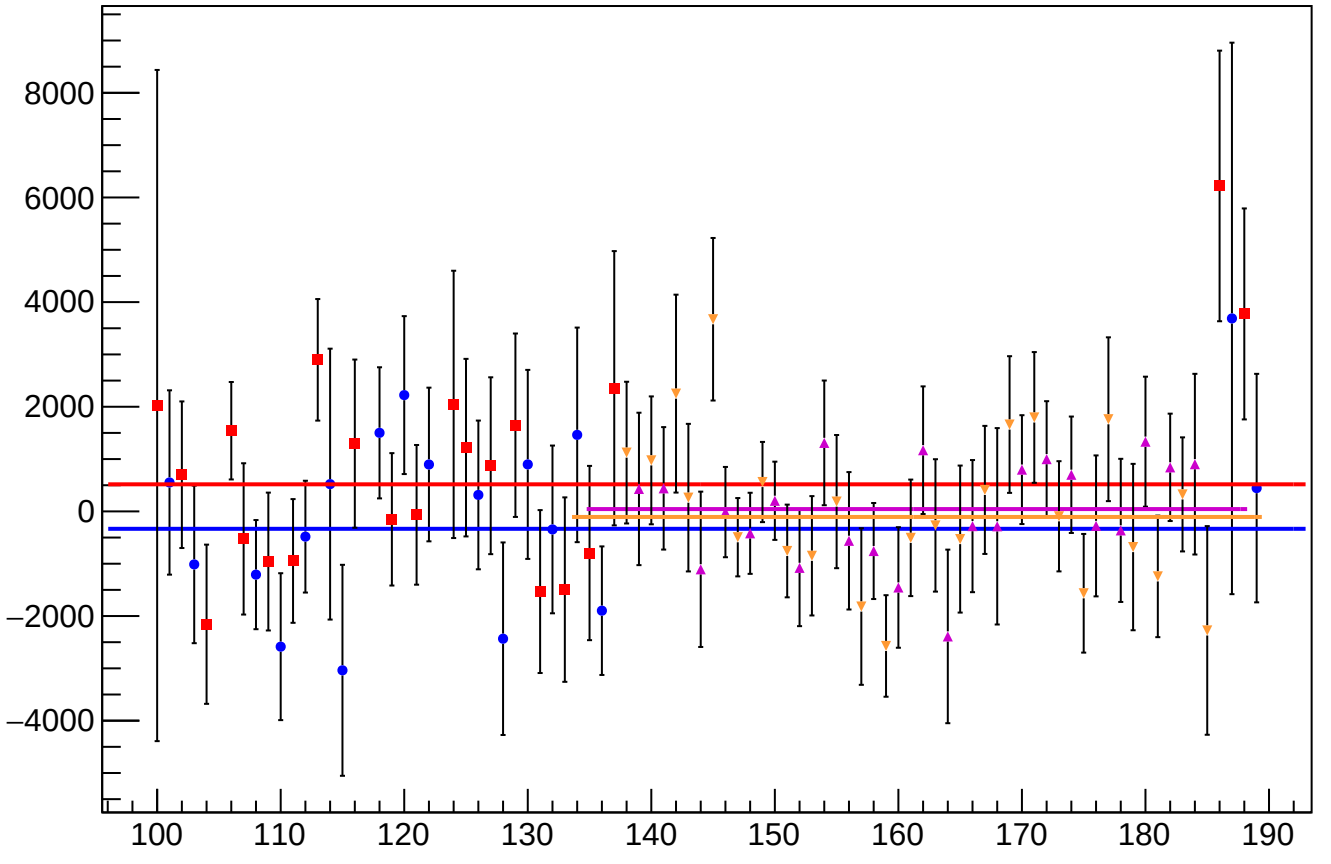
Right Out: 1669.858+/-0.403 χ^2/NDF: 199030.3/20

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

+ sign 1628.794+/-0.222 χ^2/NDF: 674101.3/42

All: 1630.725+/-0.157 χ^2/NDF: 888094.9/86

- sign 1632.672+/-0.222 χ^2/NDF: 213841.1/43



Right In: -332.904+/-361.973 χ^2/NDF: 16.4/17

Left Out: -106.338+/-234.306 χ^2/NDF:29.0/24

Right Out: 517.539+/-333.065 χ^2/NDF: 25.2/20

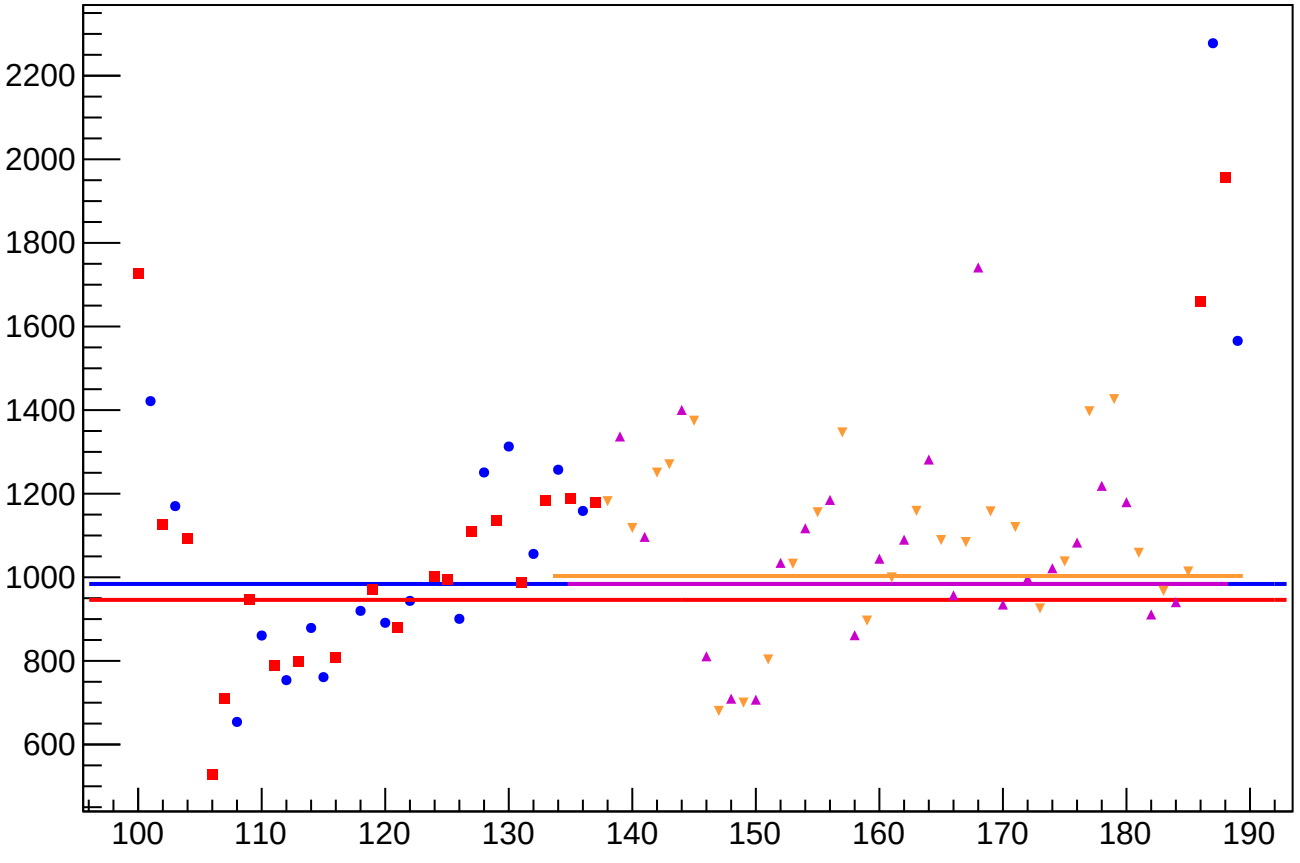
Left In: 44.469+/-235.733 χ^2/NDF:12.8/22

\+ sign -173.238+/-196.695 χ^2/NDF: 45.7/42

All: 18.689+/-137.546 χ^2/NDF: 86.9/86

\- sign 202.355+/-192.415 χ^2/NDF: 39.3/43

asym_usr_atr1_avg_dit_correction_rms vs Slug



Right In: 984.059+/-0.256 χ^2/NDF: 961930.6/17

Left Out: 1003.101+/-0.166 χ^2/NDF:1598415.6/24

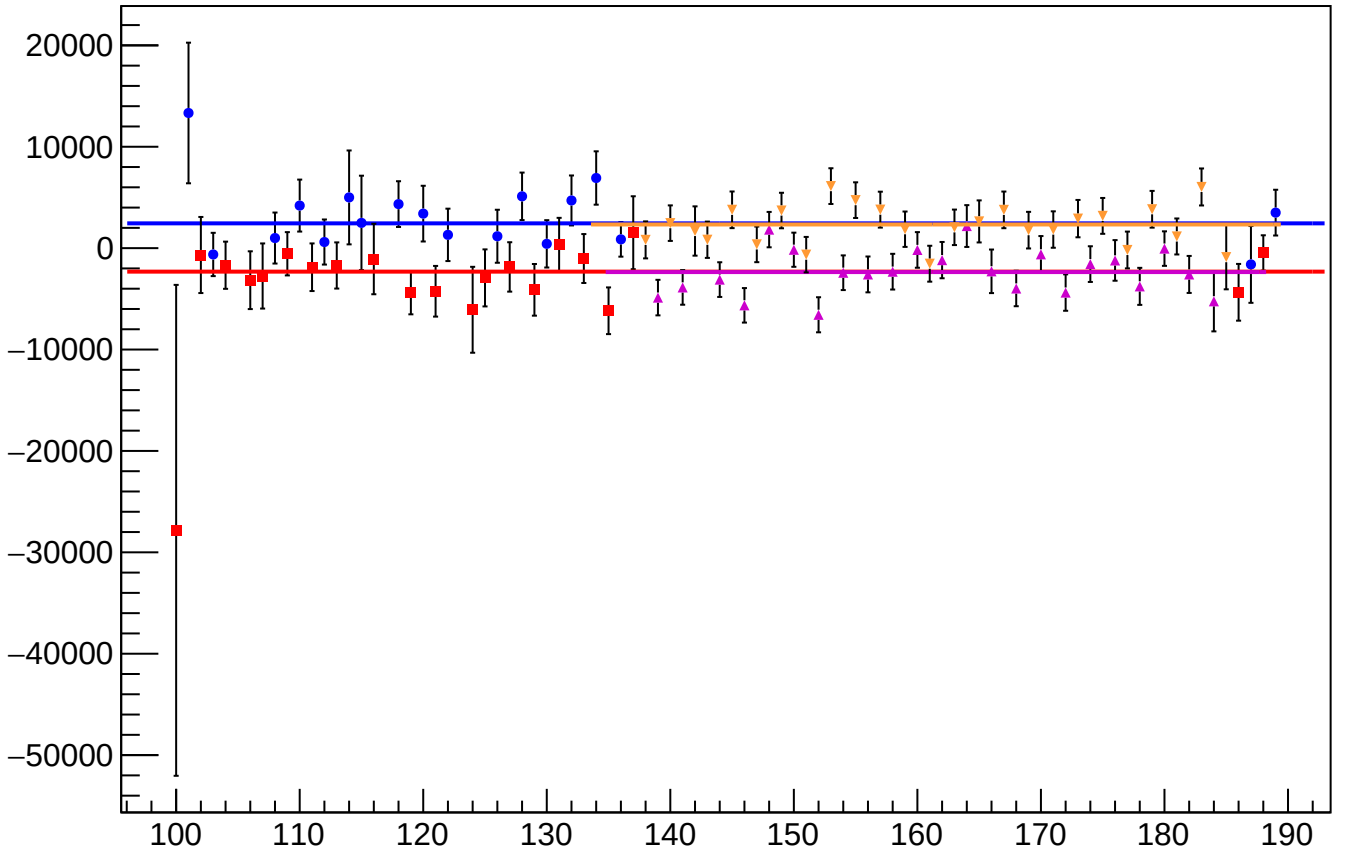
Right Out: 945.980+/-0.236 χ^2/NDF: 1421366.0/20

Left In: 984.053+/-0.167 χ^2/NDF:1559561.5/22

+ sign 997.478+/-0.139 χ^2/NDF: 2564246.5/42

All: 984.125+/-0.097 χ^2/NDF: 5580624.3/86

- sign 971.347+/-0.136 χ^2/NDF: 2998339.2/43



Right In: 2445.163+/-602.479 χ^2/NDF: 15.6/17

Left Out: 2334.839+/-366.991 χ^2/NDF:28.3/24

Right Out: -2316.475+/-569.836 χ^2/NDF: 12.2/20

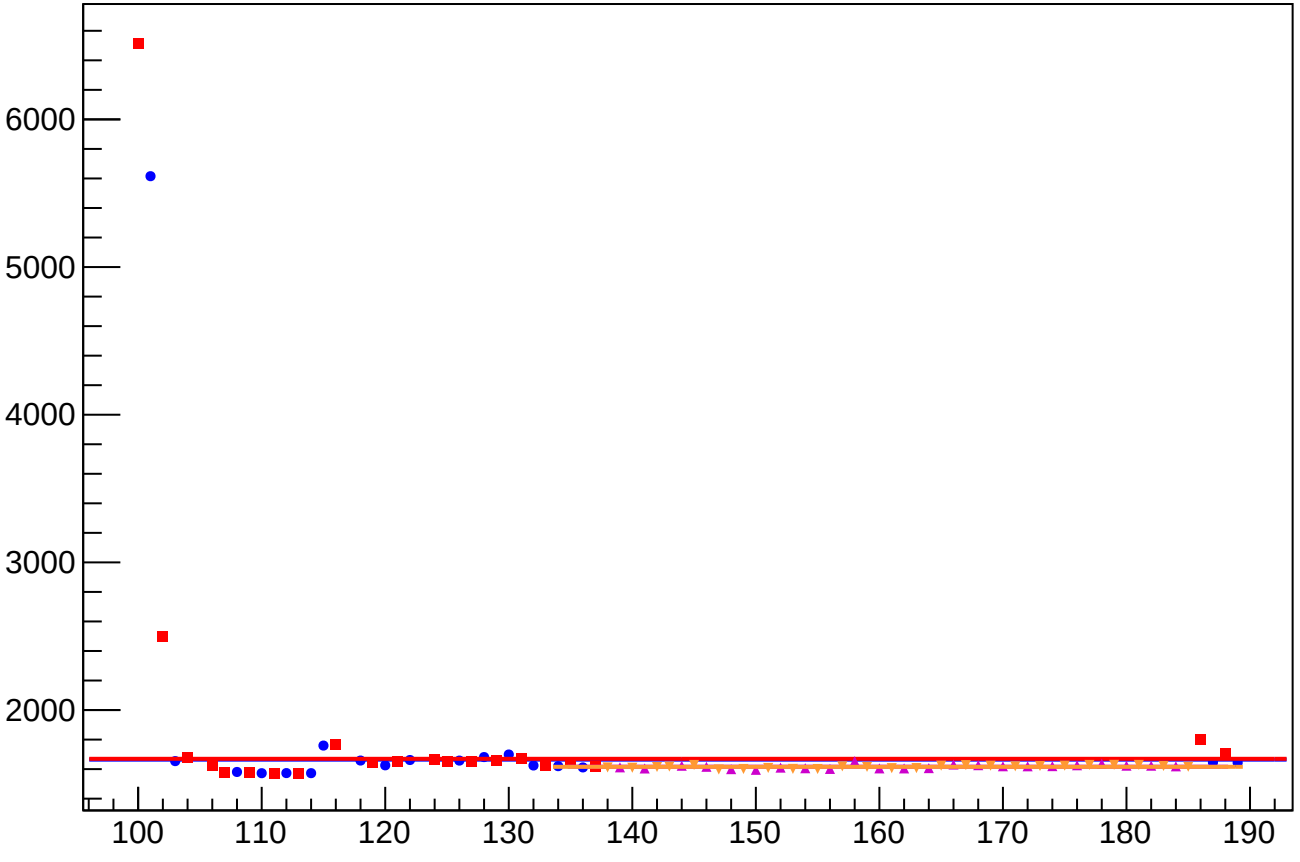
Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2364.696+/-313.422 χ^2/NDF: 43.9/42

All: 18.090+/-222.055 χ^2/NDF: 202.7/86

- sign -2346.930+/-314.649 χ^2/NDF: 46.3/43

eigen_dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1664.263+/-0.426 χ^2/NDF: 663150.2/17

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

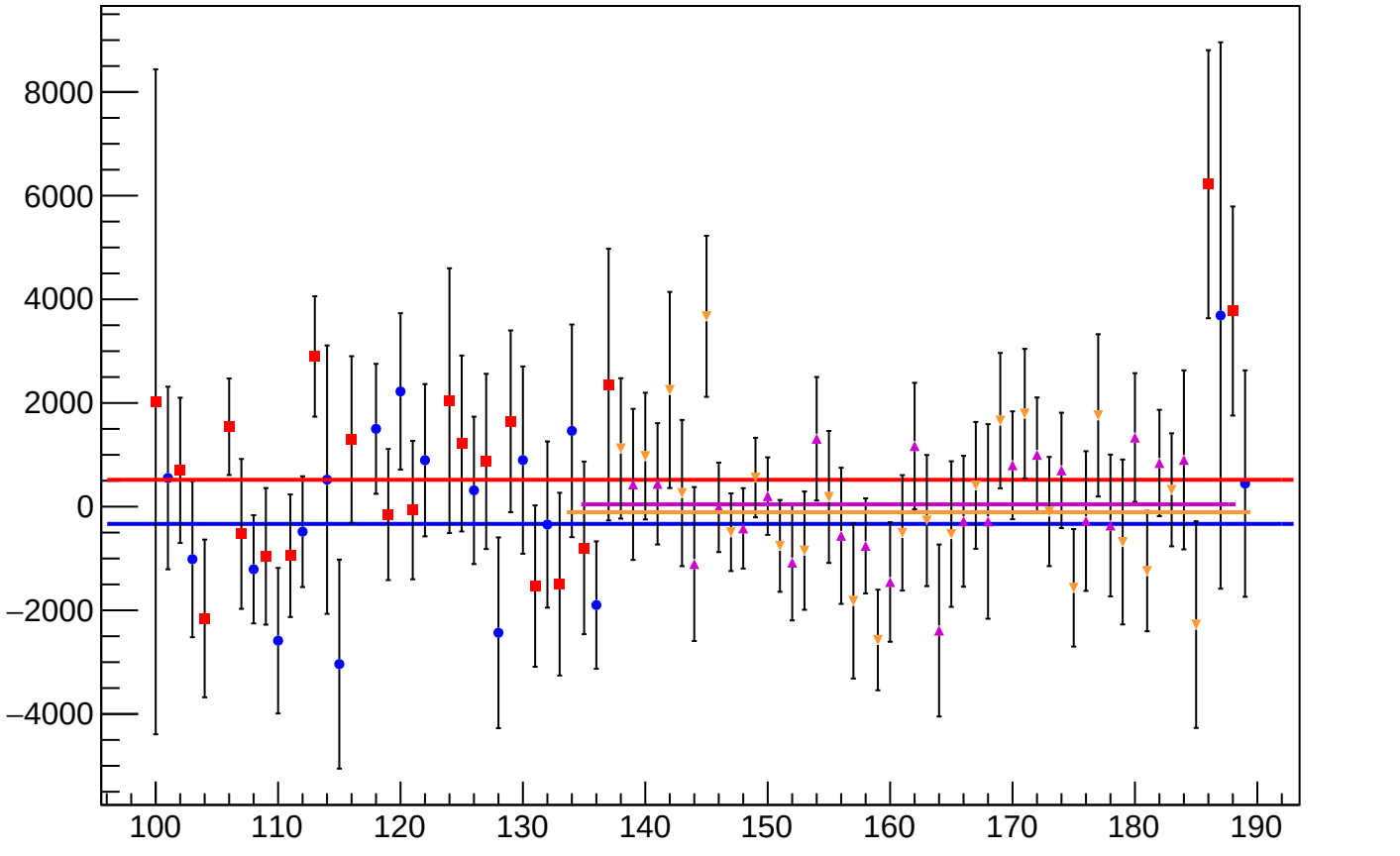
Right Out: 1669.858+/-0.403 χ^2/NDF: 199030.2/20

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

+ sign 1628.794+/-0.222 χ^2/NDF: 674101.2/42

All: 1630.725+/-0.157 χ^2/NDF: 888094.7/86

- sign 1632.672+/-0.222 χ^2/NDF: 213840.9/43



Right In: -332.903+/-361.972 χ^2/NDF: 16.4/17

Left Out: -106.340+/-234.307 χ^2/NDF:29.0/24

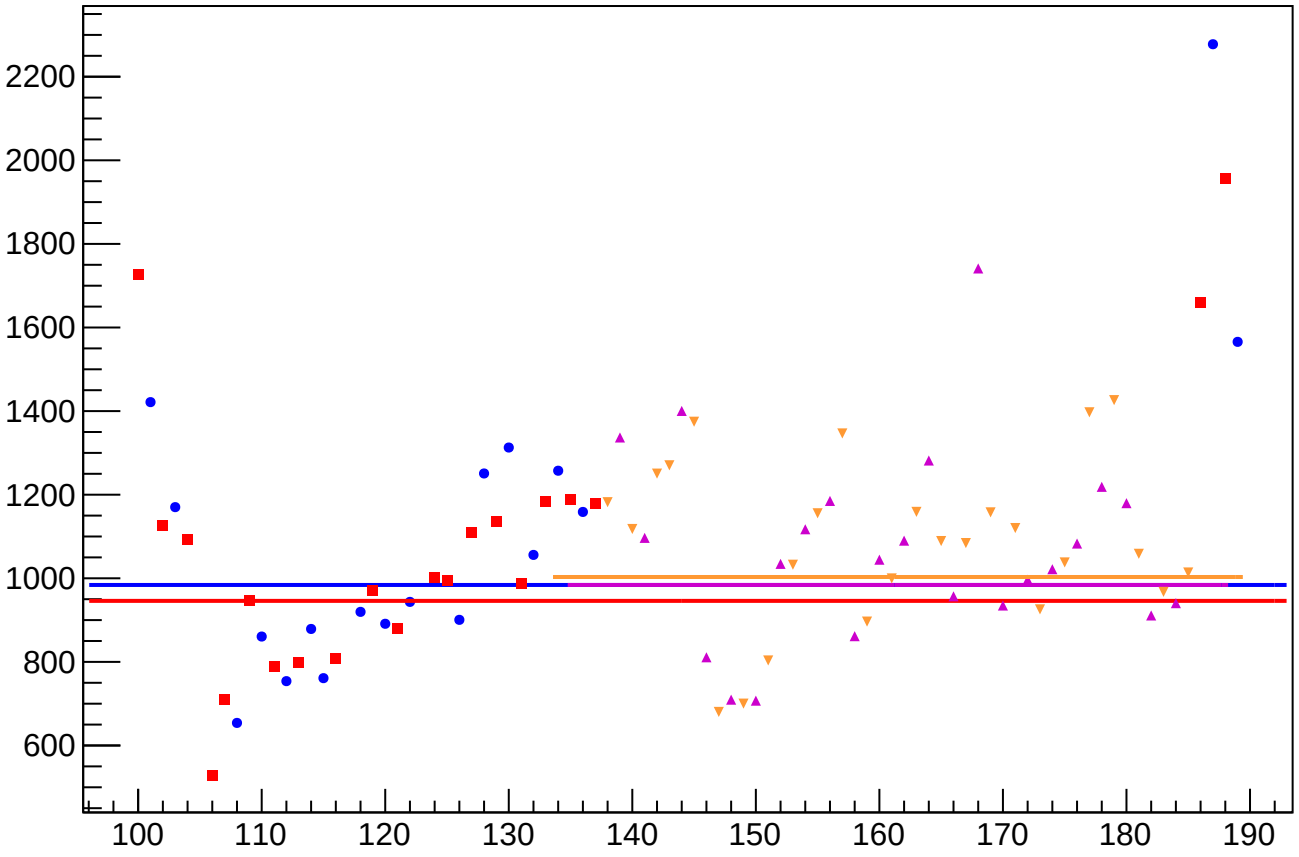
Right Out: 517.536+/-333.064 χ^2/NDF: 25.2/20

Left In: 44.468+/-235.733 χ^2/NDF:12.8/22

+ sign -173.239+/-196.695 χ^2/NDF: 45.7/42

All: 18.688+/-137.546 χ^2/NDF: 86.9/86

- sign 202.355+/-192.415 χ^2/NDF: 39.3/43



Right In: 984.055+/-0.256 χ^2/NDF: 961942.2/17

Left Out: 1003.103+/-0.166 χ^2/NDF:1598417.7/24

Right Out: 945.978+/-0.236 χ^2/NDF: 1421369.5/20

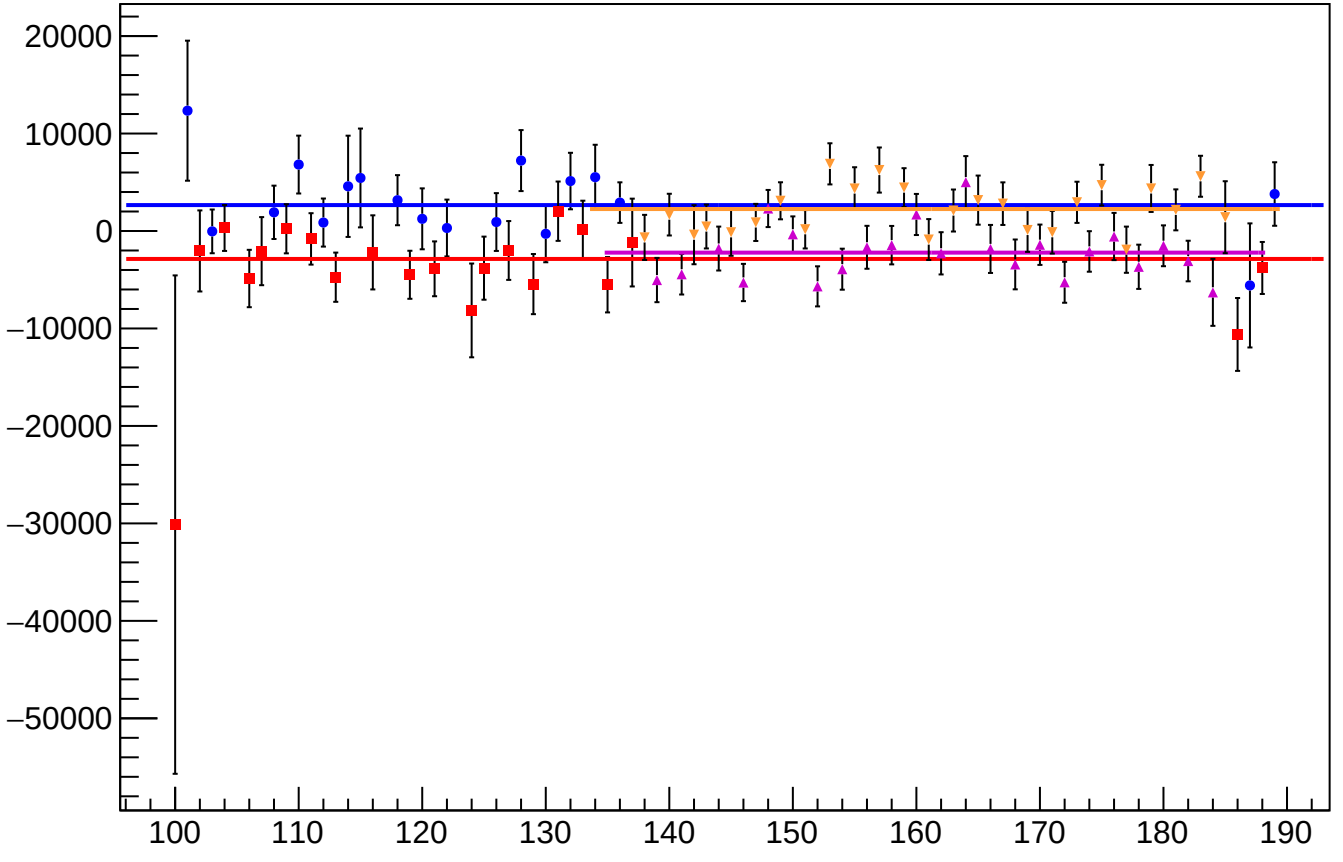
Left In: 984.055+/-0.167 χ^2/NDF:1559563.7/22

+ sign 997.479+/-0.139 χ^2/NDF: 2564262.7/42

All: 984.125+/-0.097 χ^2/NDF: 5580650.4/86

- sign 971.347+/-0.136 χ^2/NDF: 2998349.2/43

asym_usr_atr1_avg_mean vs Slug



Right In: 2659.227+/-712.559 χ^2/NDF: 13.9/17

Left Out: 2252.380+/-442.213 χ^2/NDF:28.3/24

Right Out: -2867.060+/-671.801 χ^2/NDF: 17.9/20

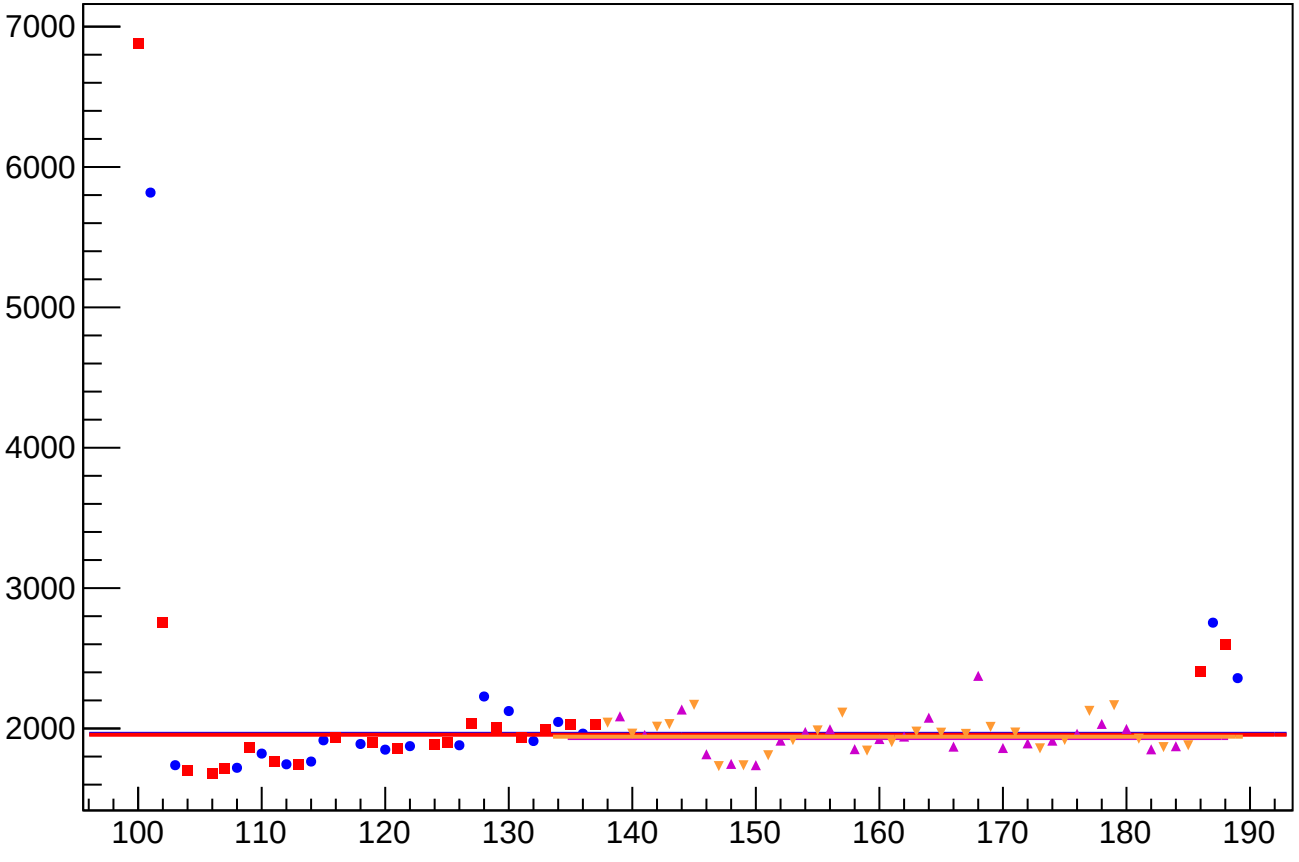
Left In: -2219.401+/-452.286 χ^2/NDF:31.5/22

+ sign 2365.505+/-375.737 χ^2/NDF: 42.5/42

All: -31.485+/-265.490 χ^2/NDF: 173.8/86

- sign -2421.400+/-375.182 χ^2/NDF: 50.1/43

asym_usr_atr1_avg_rms vs Slug



Right In: 1962.003+/-0.504 χ^2/NDF: 725330.3/17

Left Out: 1941.583+/-0.313 χ^2/NDF:139011.4/24

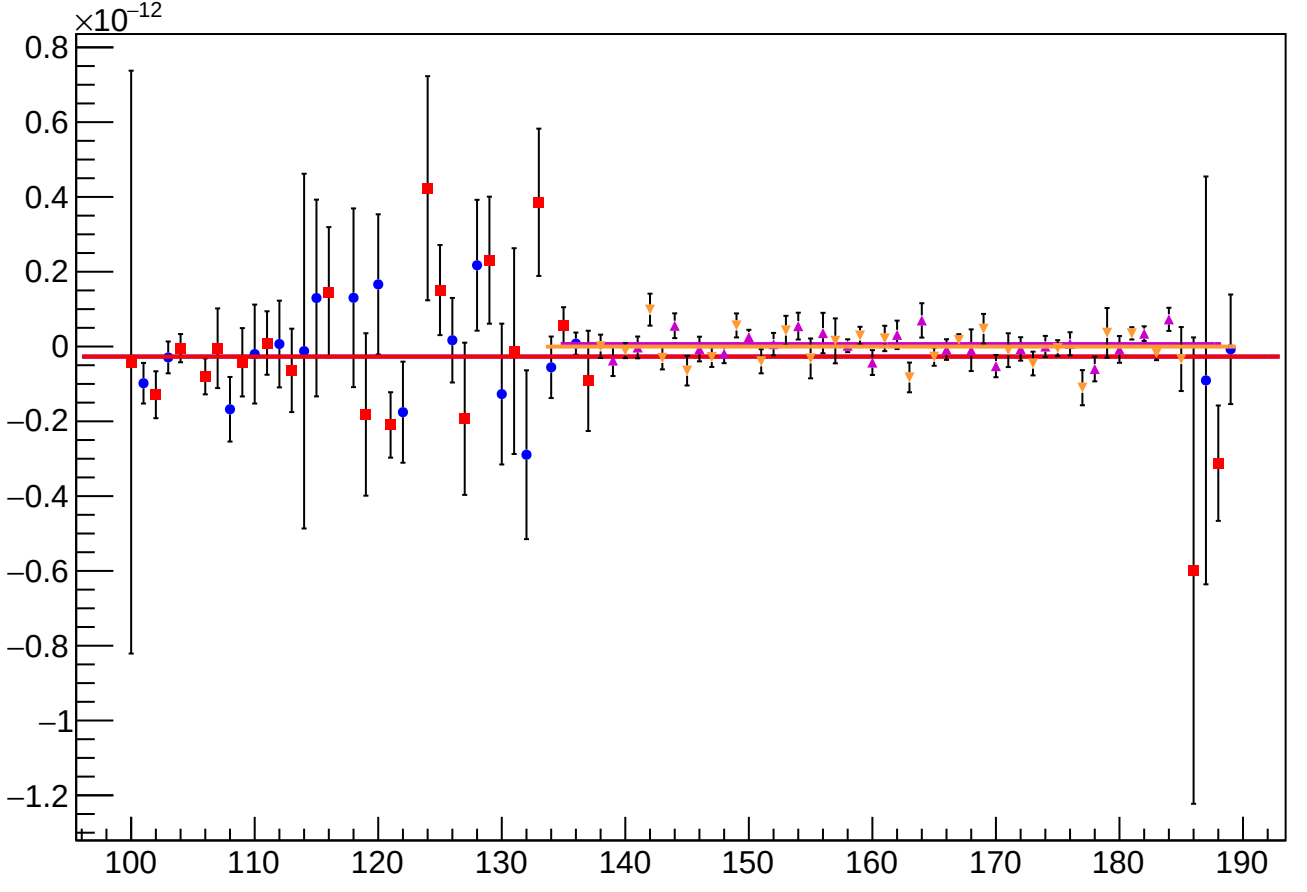
Right Out: 1955.539+/-0.475 χ^2/NDF: 380963.7/20

Left In: 1931.812+/-0.320 χ^2/NDF:159877.0/22

+ sign 1947.261+/-0.266 χ^2/NDF: 865527.4/42

All: 1943.231+/-0.188 χ^2/NDF: 1408544.3/86

- sign 1939.212+/-0.265 χ^2/NDF: 542557.3/43



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/17

Left Out: -0.000+/-0.000 χ^2/NDF:40.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.7/20

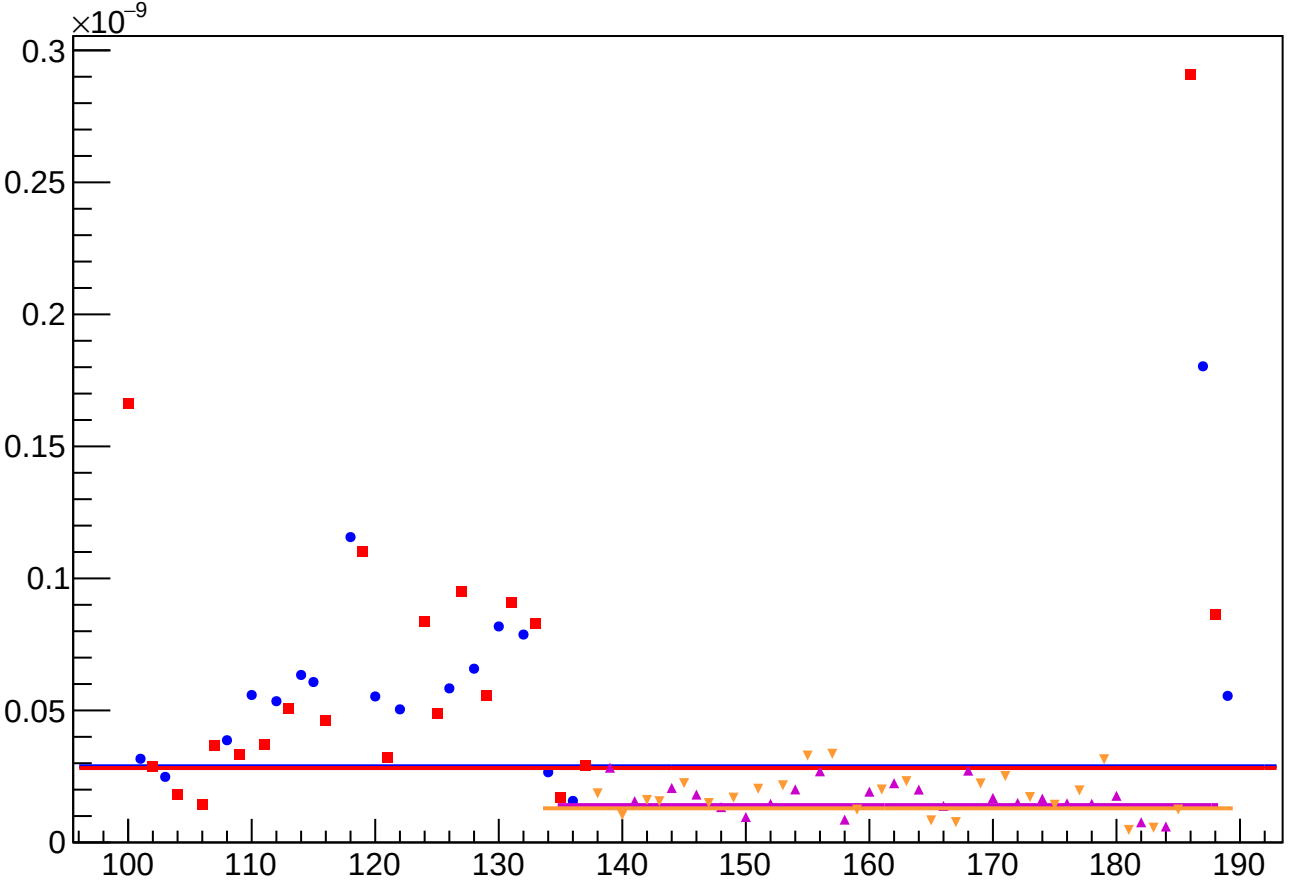
Left In: 0.000+/-0.000 χ^2/NDF:27.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.9/42

All: 0.000+/-0.000 χ^2/NDF: 115.5/86

- sign 0.000+/-0.000 χ^2/NDF: 60.0/43

asym_usr_atr1_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1713510.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:2826186.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2202535.4/20

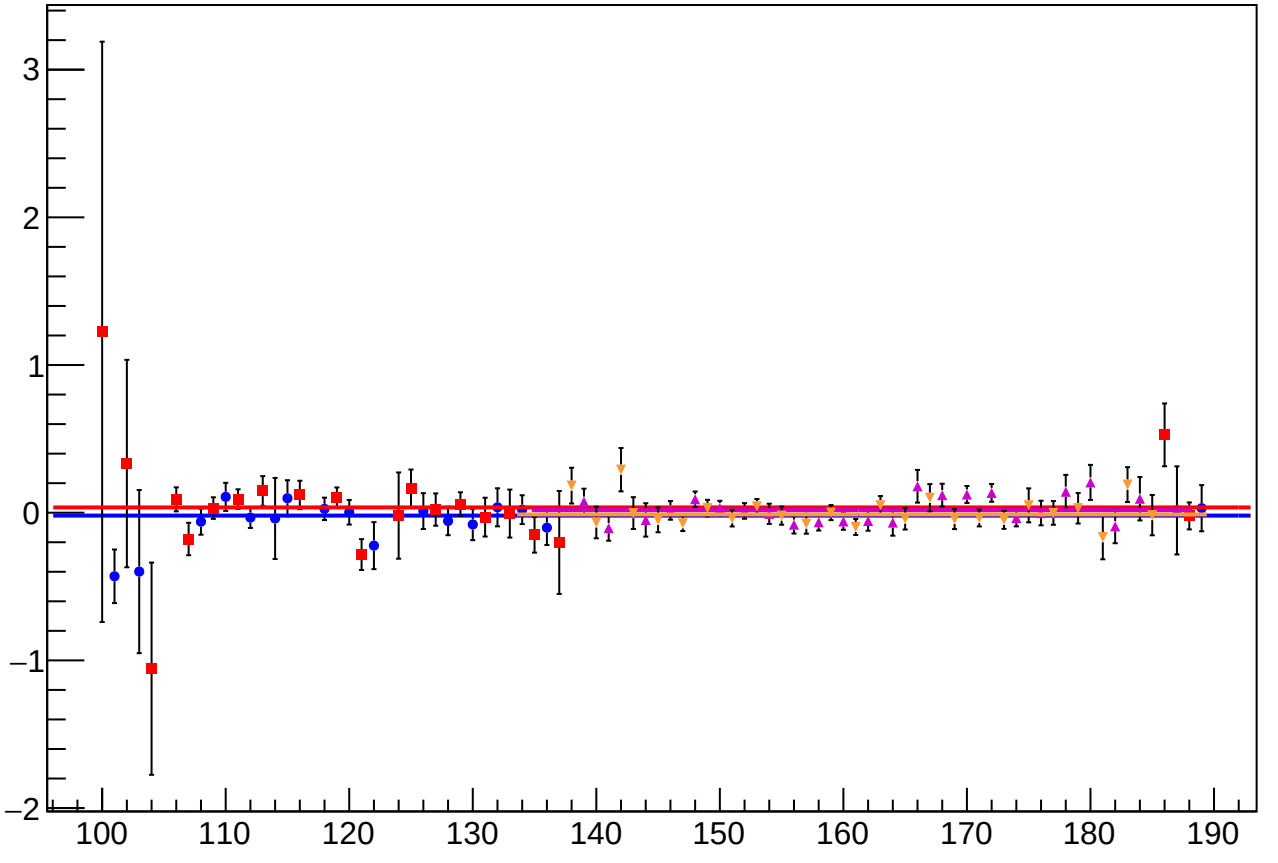
Left In: 0.000+/-0.000 χ^2/NDF:1522273.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5828702.9/42

All: 0.000+/-0.000 χ^2/NDF: 10569049.1/86

- sign 0.000+/-0.000 χ^2/NDF: 4695266.8/43

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.020+/-0.026 χ^2/NDF: 12.1/17

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: 0.036+/-0.024 χ^2/NDF: 30.1/20

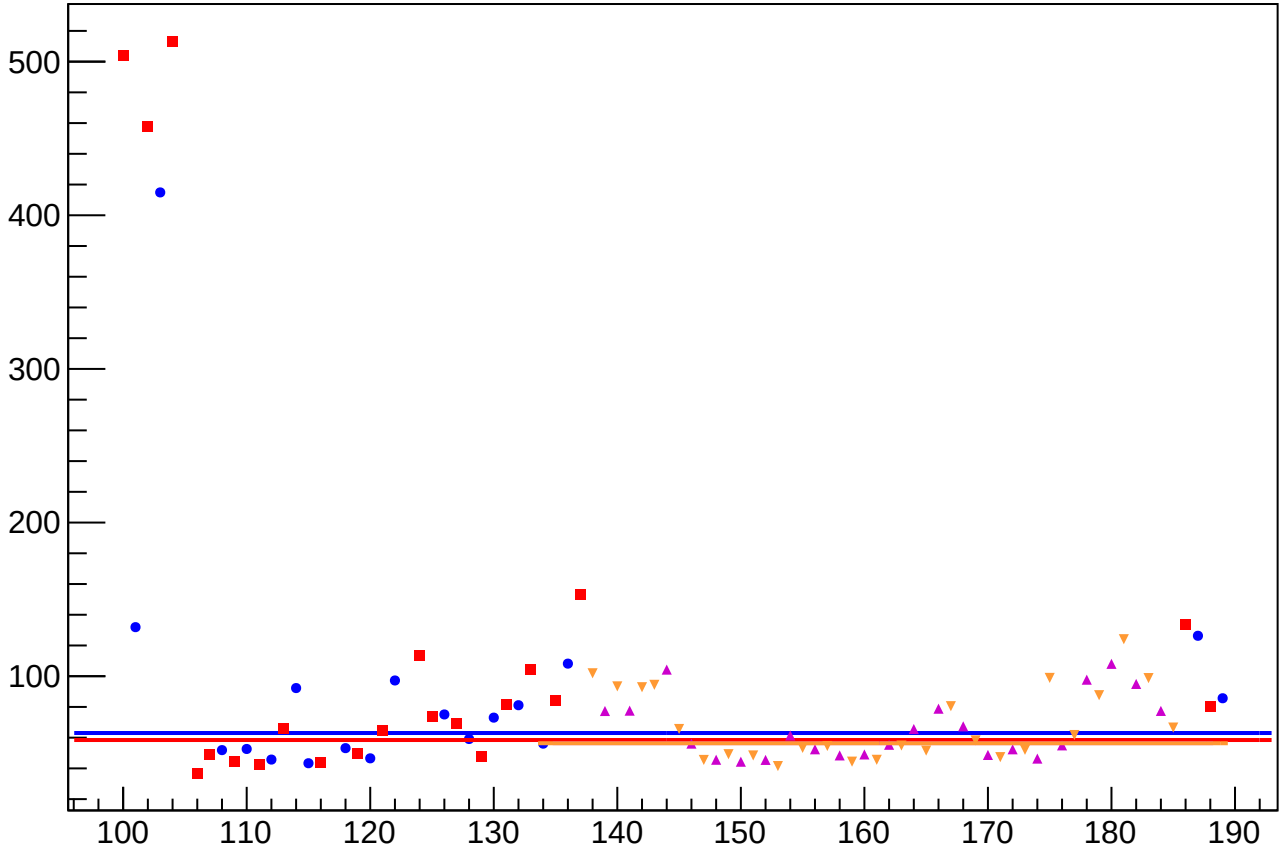
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.014+/-0.013 χ^2/NDF: 34.0/42

All: 0.005+/-0.009 χ^2/NDF: 99.3/86

- sign 0.022+/-0.012 χ^2/NDF: 61.2/43

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 63.031+/-0.018 χ^2/NDF: 2073685.1/17

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

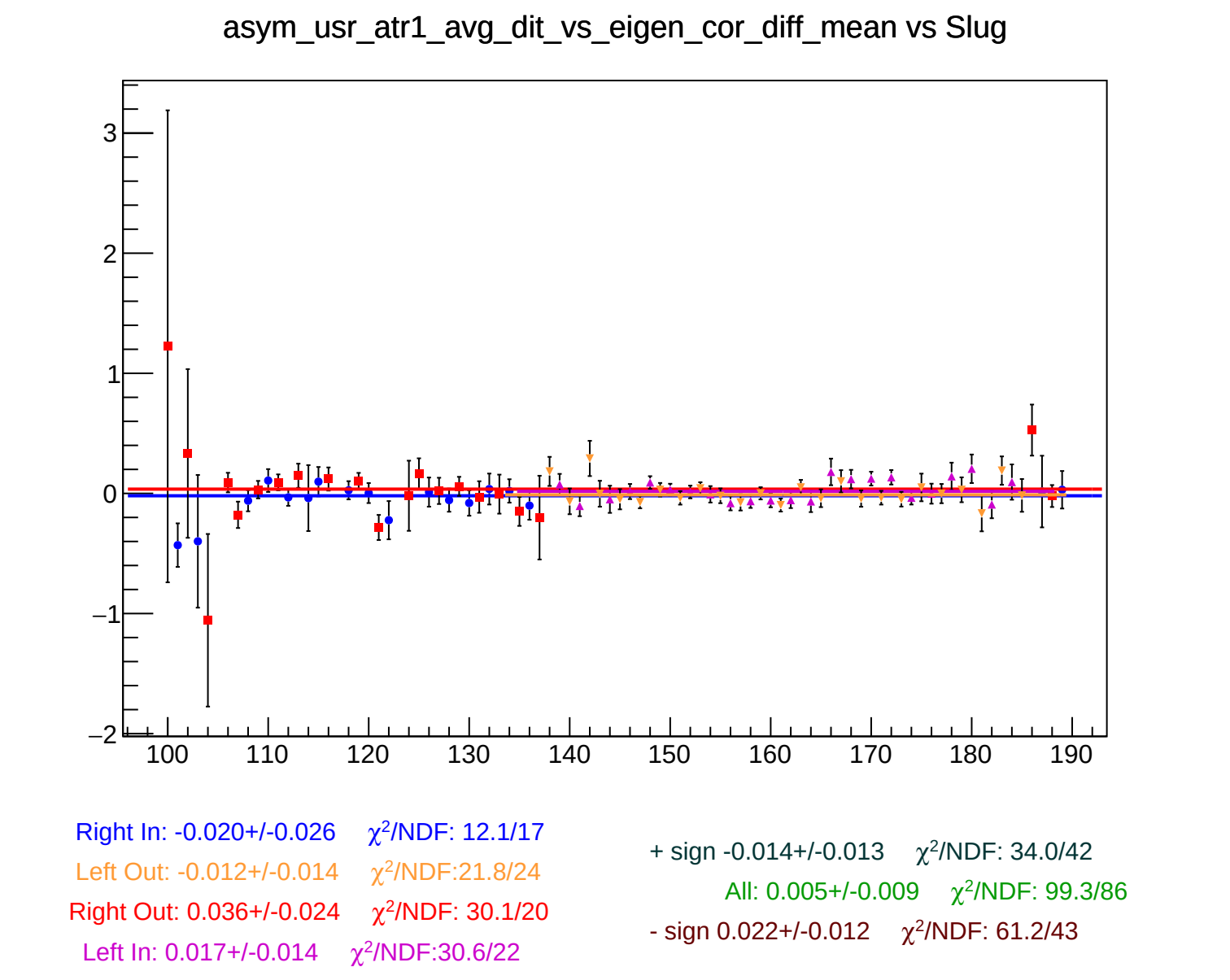
Right Out: 58.468+/-0.017 χ^2/NDF: 2978096.8/20

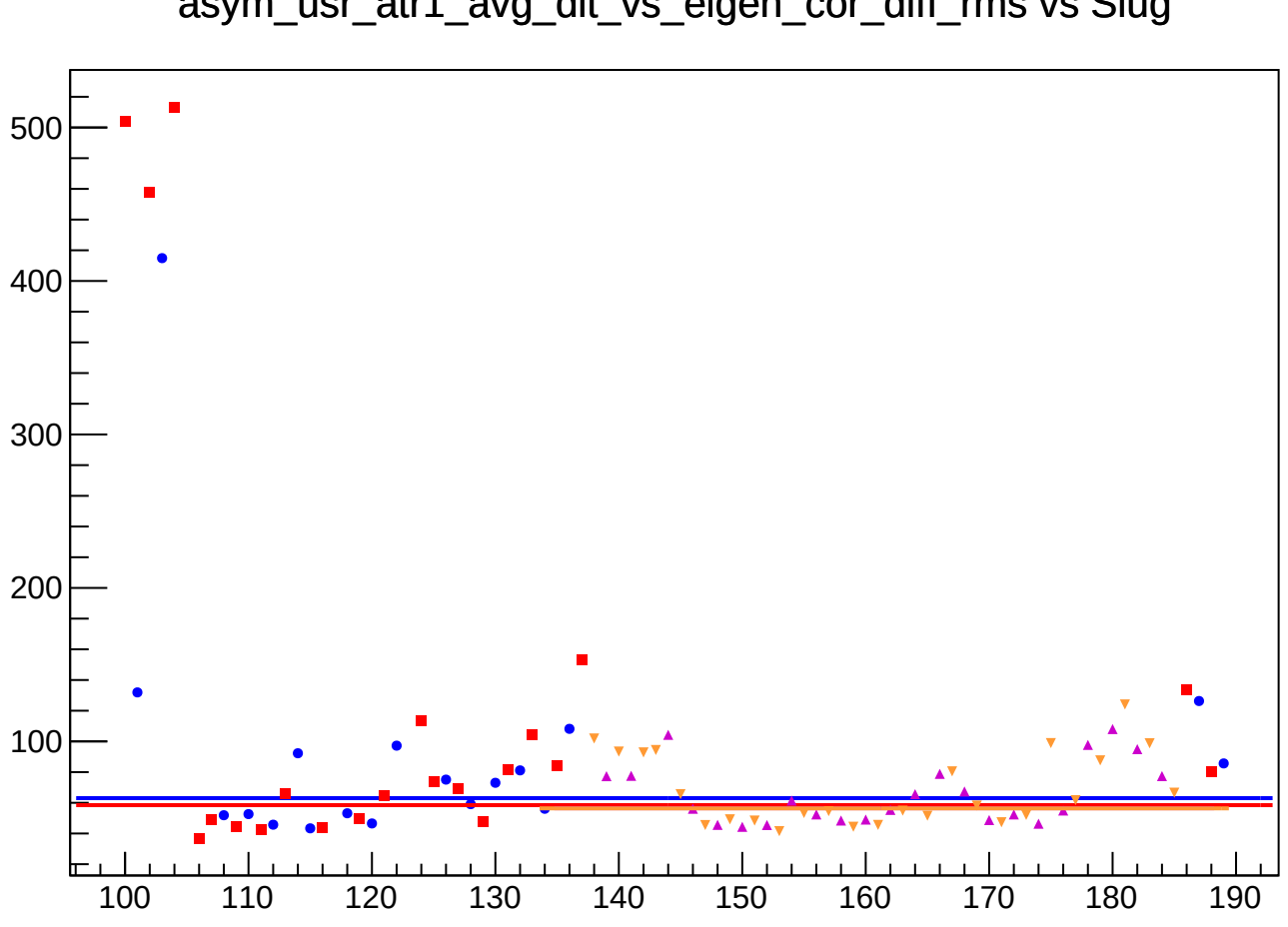
Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

+ sign 57.915+/-0.009 χ^2/NDF: 4971142.7/42

All: 57.458+/-0.006 χ^2/NDF: 10104996.2/86

- sign 57.015+/-0.009 χ^2/NDF: 5128620.2/43


asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
190
Right In: -0.020+/-0.026 χ²/NDF: 12.1/17
Left Out: -0.012+/-0.014 χ²/NDF:21.8/24
Right Out: 0.036+/-0.024 χ²/NDF: 30.1/20
Left In: 0.017+/-0.014 χ²/NDF:30.6/22
+ sign -0.014+/-0.013 χ²/NDF: 34.0/42
All: 0.005+/-0.009 χ²/NDF: 99.3/86
- sign 0.022+/-0.012 χ²/NDF: 61.2/43



Right In: 63.031+/-0.018 χ^2/NDF: 2073685.1/17

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

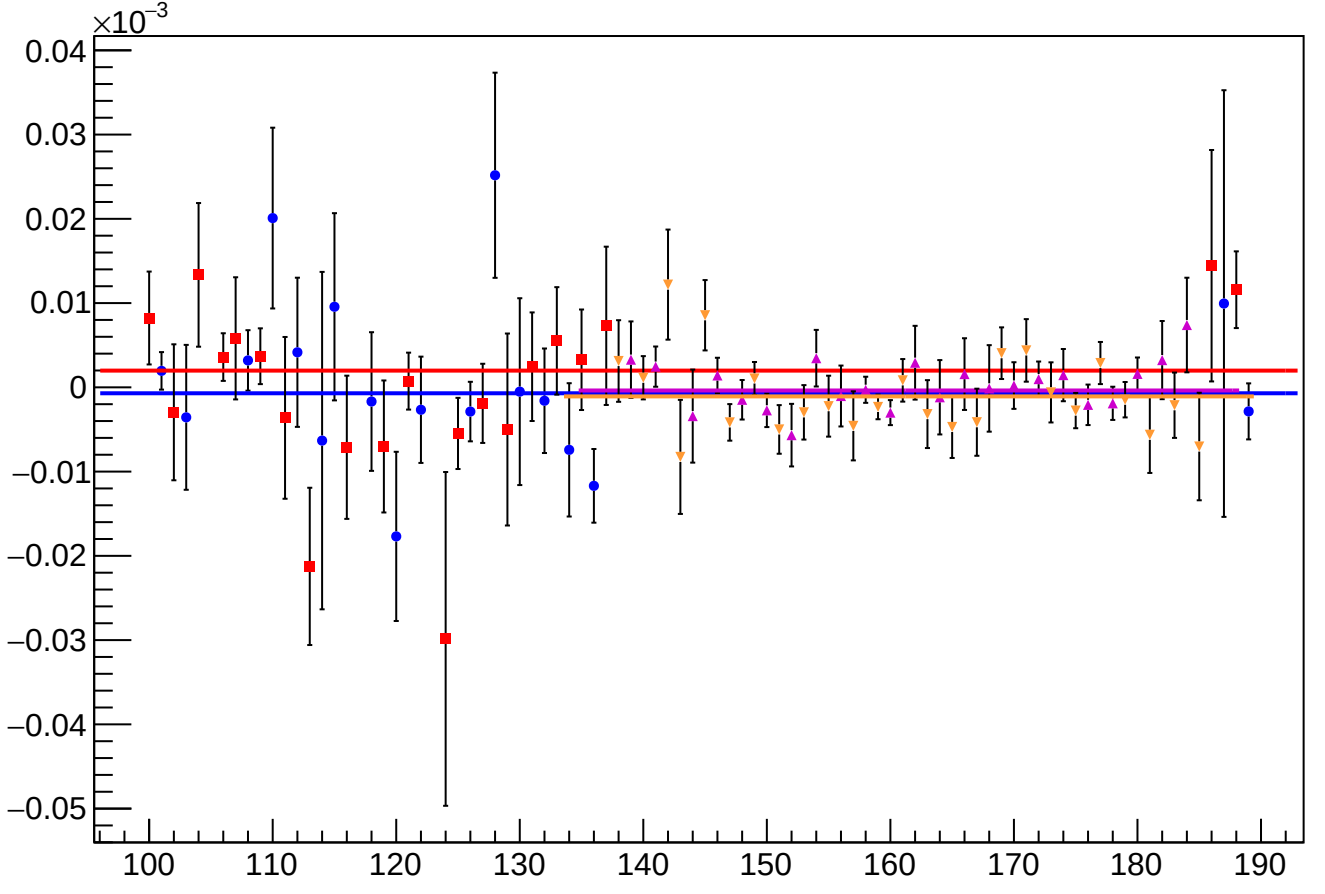
Right Out: 58.468+/-0.017 χ^2/NDF: 2978096.8/20

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

\+ sign 57.915+/-0.009 χ^2/NDF: 4971142.7/42

All: 57.458+/-0.006 χ^2/NDF: 10104996.2/86

\- sign 57.015+/-0.009 χ^2/NDF: 5128620.2/43



Right In: -0.000+/-0.000 χ^2/NDF: 23.2/17

Left Out: -0.000+/-0.000 χ^2/NDF:31.6/24

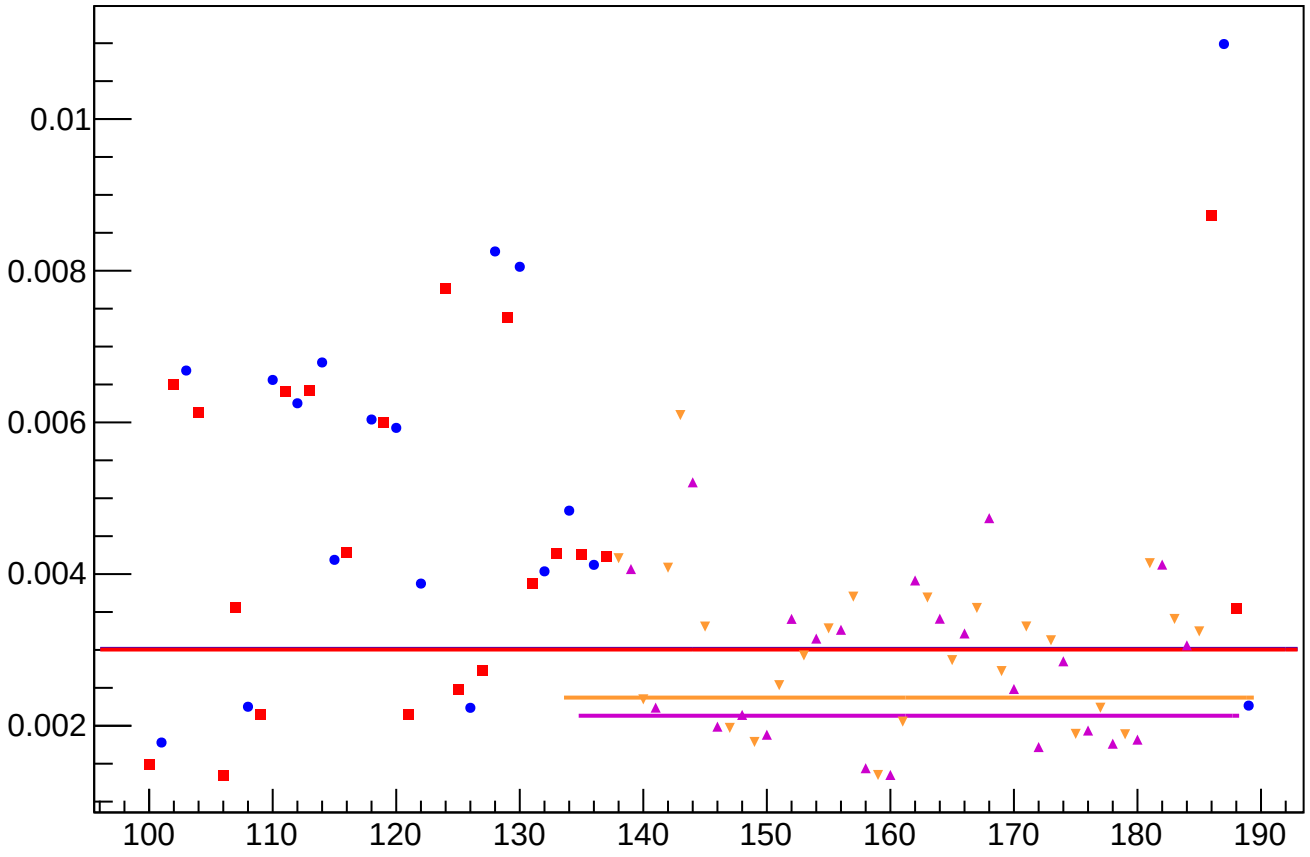
Right Out: 0.000+/-0.000 χ^2/NDF: 26.2/20

Left In: -0.000+/-0.000 χ^2/NDF:17.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.9/42

All: -0.000+/-0.000 χ^2/NDF: 103.7/86

- sign 0.000+/-0.000 χ^2/NDF: 46.8/43



Right In: 0.003+/-0.000 χ^2/NDF: 3594355.8/17

Left Out: 0.002+/-0.000 χ^2/NDF:4161142.1/24

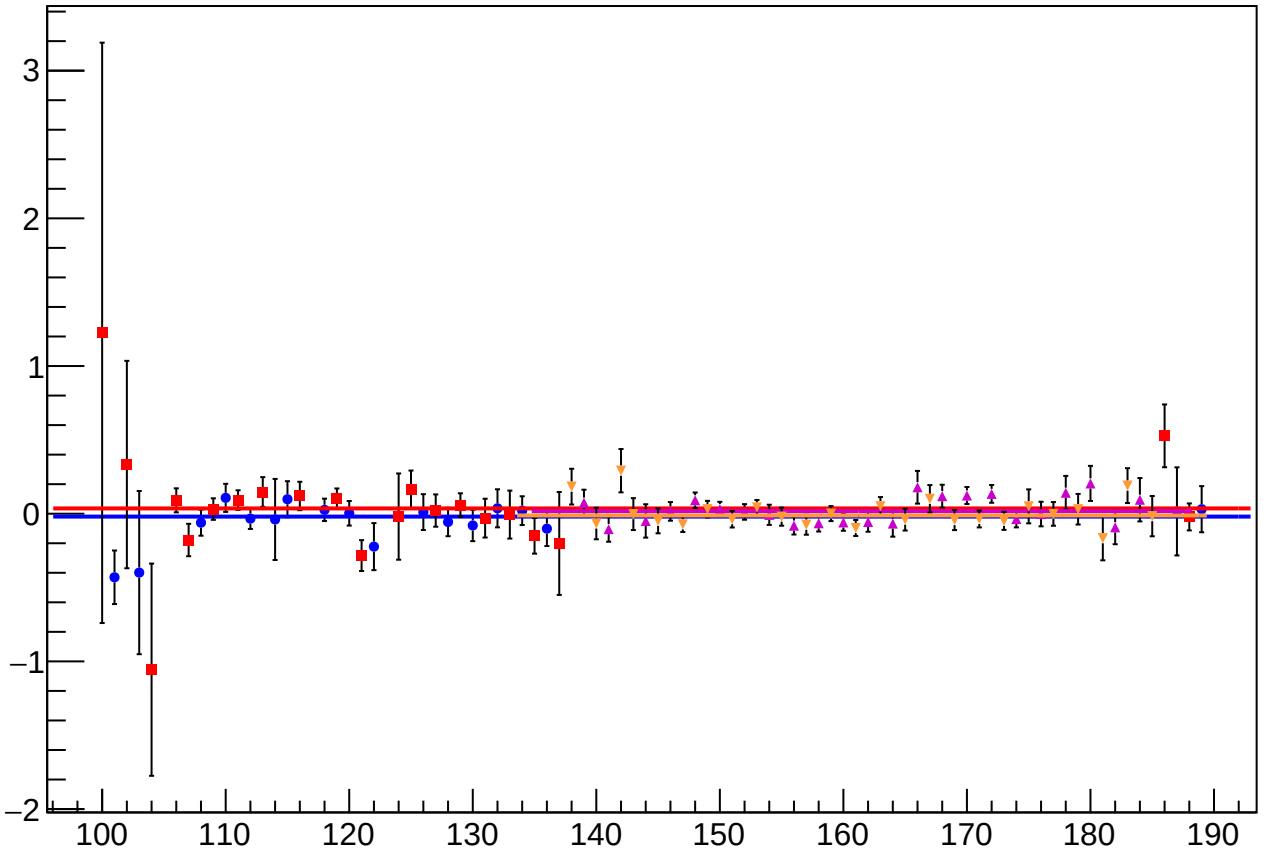
Right Out: 0.003+/-0.000 χ^2/NDF: 3679789.0/20

Left In: 0.002+/-0.000 χ^2/NDF:4521223.3/22

+ sign 0.002+/-0.000 χ^2/NDF: 8198568.7/42

All: 0.002+/-0.000 χ^2/NDF: 17448581.1/86

- sign 0.002+/-0.000 χ^2/NDF: 9078768.3/43



Right In: -0.020+/-0.026 χ^2/NDF: 12.1/17

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

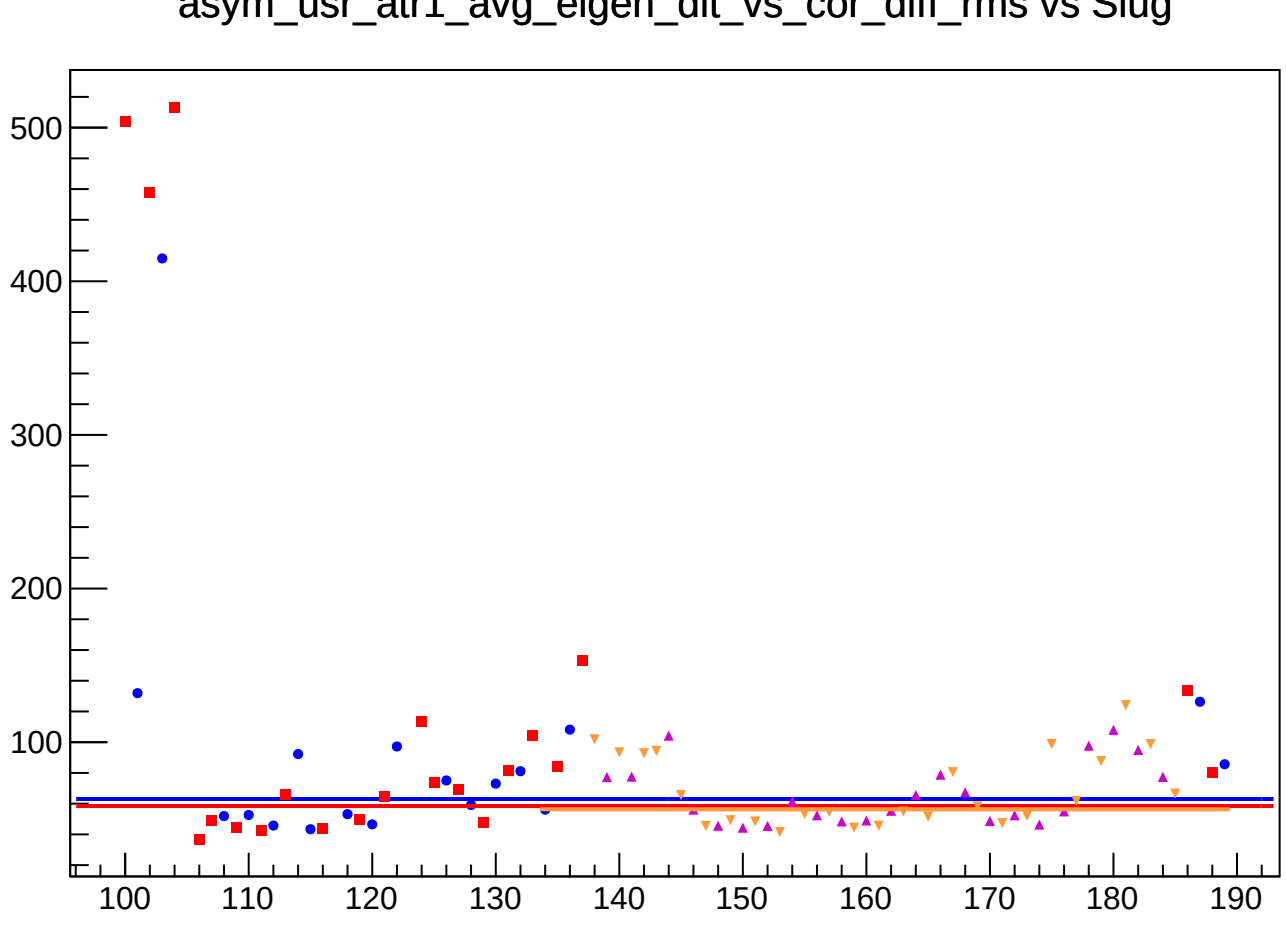
Right Out: 0.036+/-0.024 χ^2/NDF: 30.1/20

Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.014+/-0.013 χ^2/NDF: 34.0/42

All: 0.005+/-0.009 χ^2/NDF: 99.3/86

- sign 0.022+/-0.012 χ^2/NDF: 61.2/43



Right In: 63.031+/-0.018 χ^2/NDF: 2073653.6/17

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

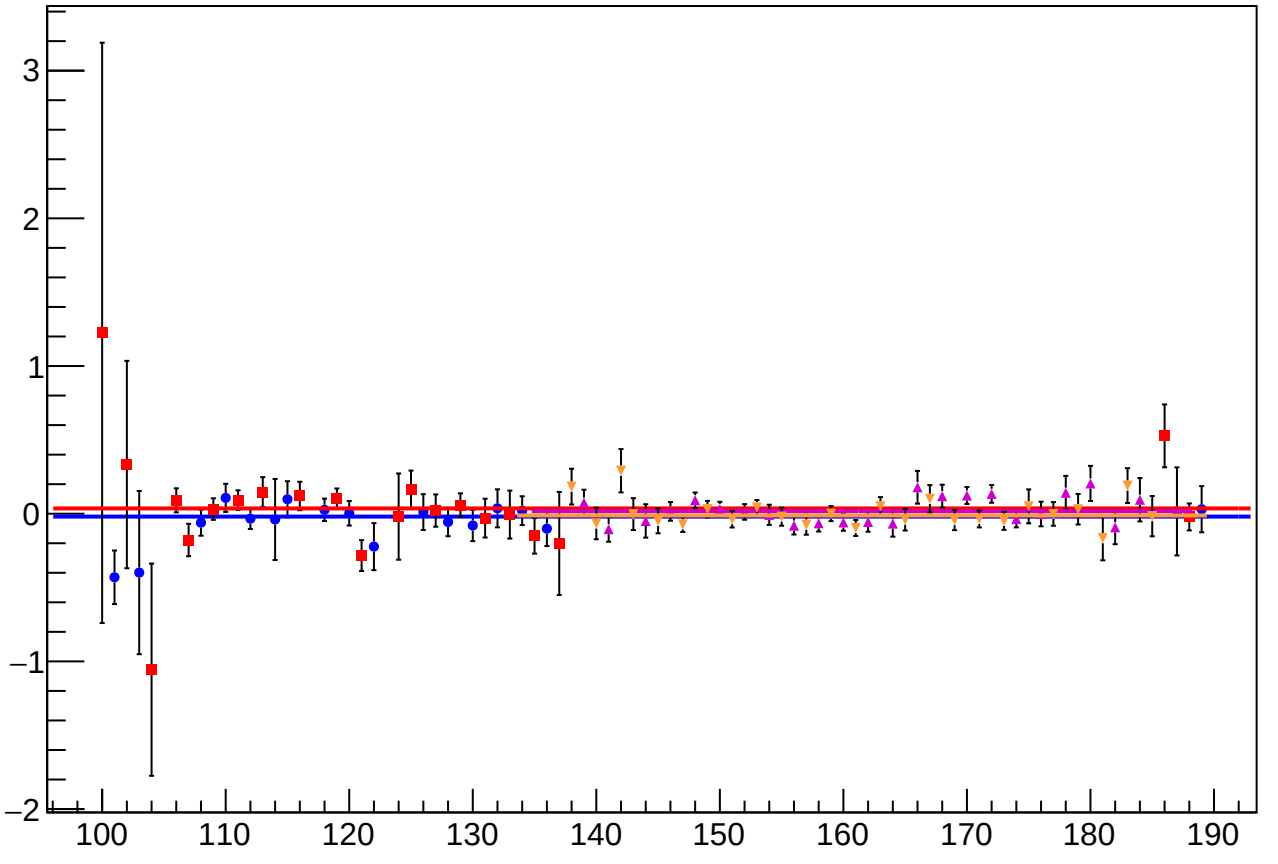
Right Out: 58.467+/-0.017 χ^2/NDF: 2978090.0/20

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

+ sign 57.915+/-0.009 χ^2/NDF: 4971161.6/42

All: 57.458+/-0.006 χ^2/NDF: 10104985.3/86

- sign 57.015+/-0.009 χ^2/NDF: 5128588.7/43



Right In: -0.020+/-0.026 χ^2/NDF: 12.1/17

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

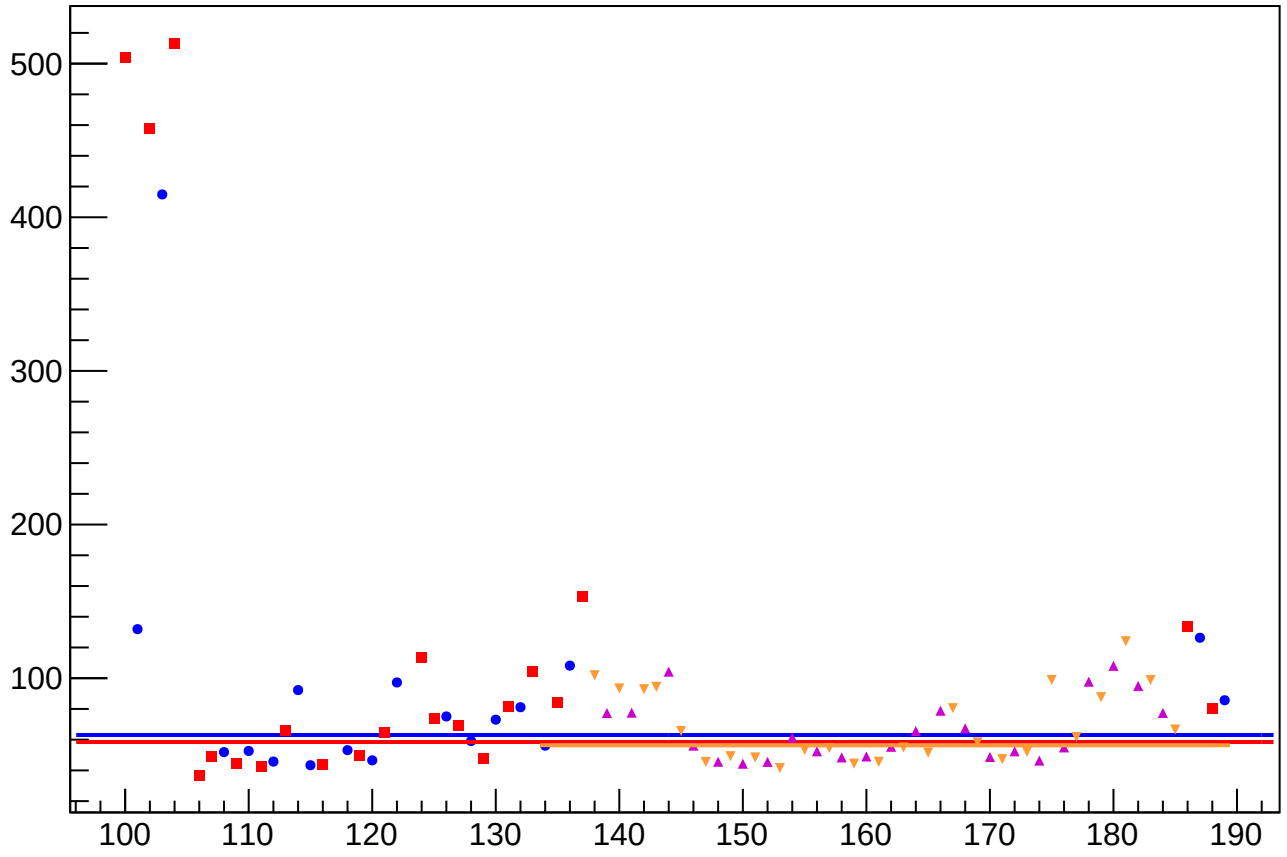
Right Out: 0.036+/-0.024 χ^2/NDF: 30.1/20

Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.014+/-0.013 χ^2/NDF: 34.0/42

All: 0.005+/-0.009 χ^2/NDF: 99.3/86

- sign 0.022+/-0.012 χ^2/NDF: 61.2/43



Right In: 63.031+/-0.018 χ^2/NDF: 2073653.6/17

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

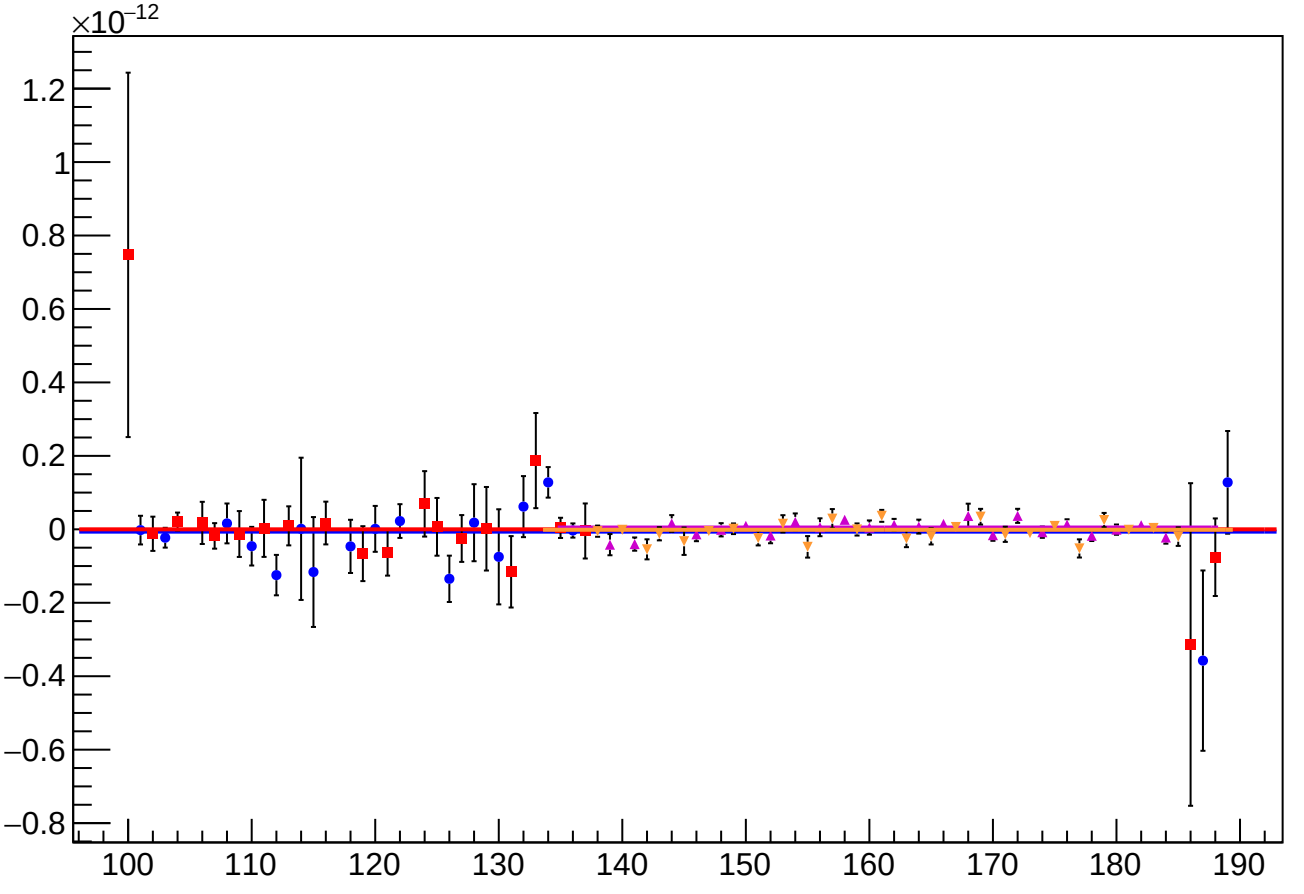
Right Out: 58.467+/-0.017 χ^2/NDF: 2978090.0/20

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

+ sign 57.915+/-0.009 χ^2/NDF: 4971161.6/42

All: 57.458+/-0.006 χ^2/NDF: 10104985.3/86

- sign 57.015+/-0.009 χ^2/NDF: 5128588.7/43



Right In: -0.000+/-0.000 χ^2/NDF: 25.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:29.6/24

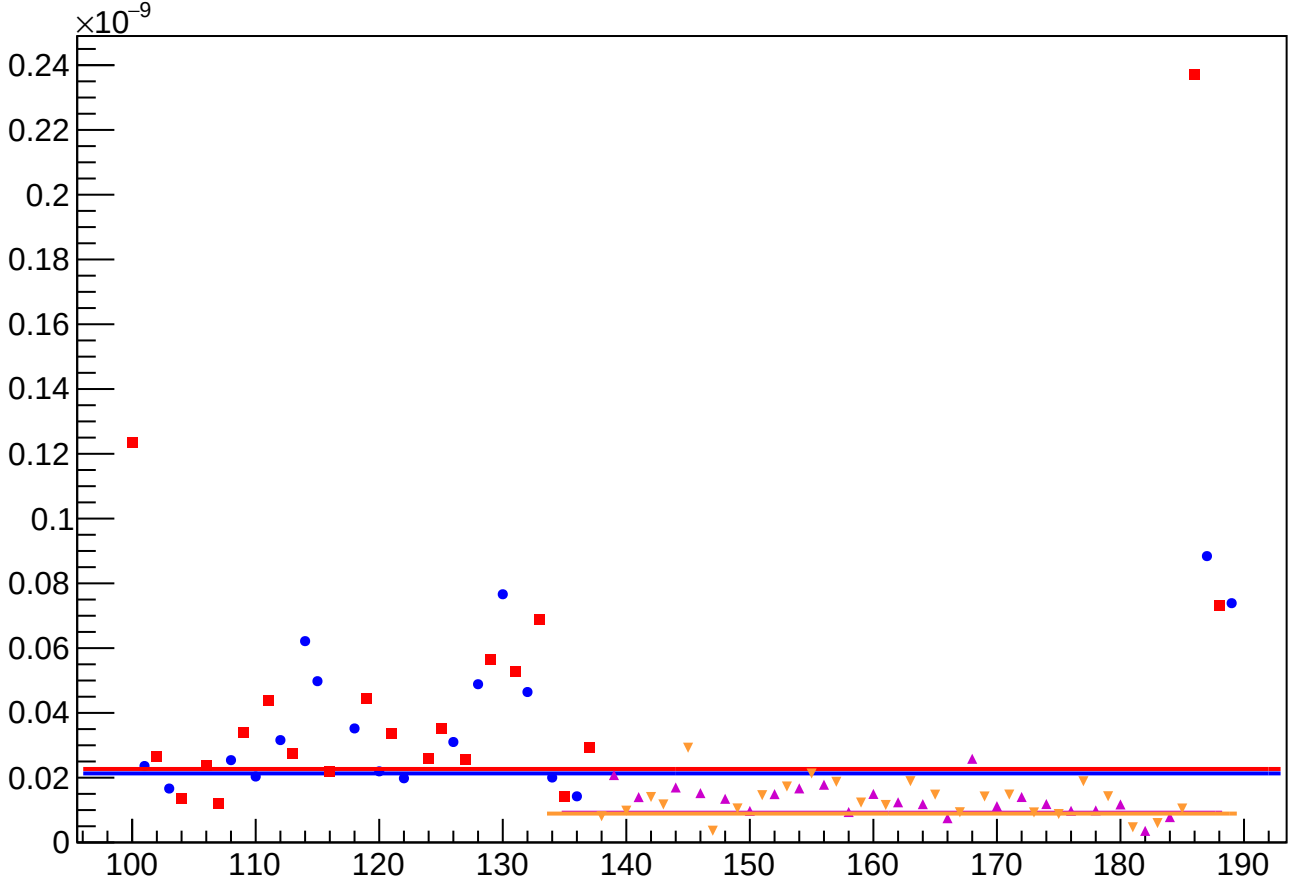
Right Out: -0.000+/-0.000 χ^2/NDF: 10.7/20

Left In: 0.000+/-0.000 χ^2/NDF:28.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 55.4/42

All: 0.000+/-0.000 χ^2/NDF: 97.0/86

- sign 0.000+/-0.000 χ^2/NDF: 39.3/43



Right In: 0.000+/-0.000 χ^2/NDF: 1820323.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:5051836.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2849335.6/20

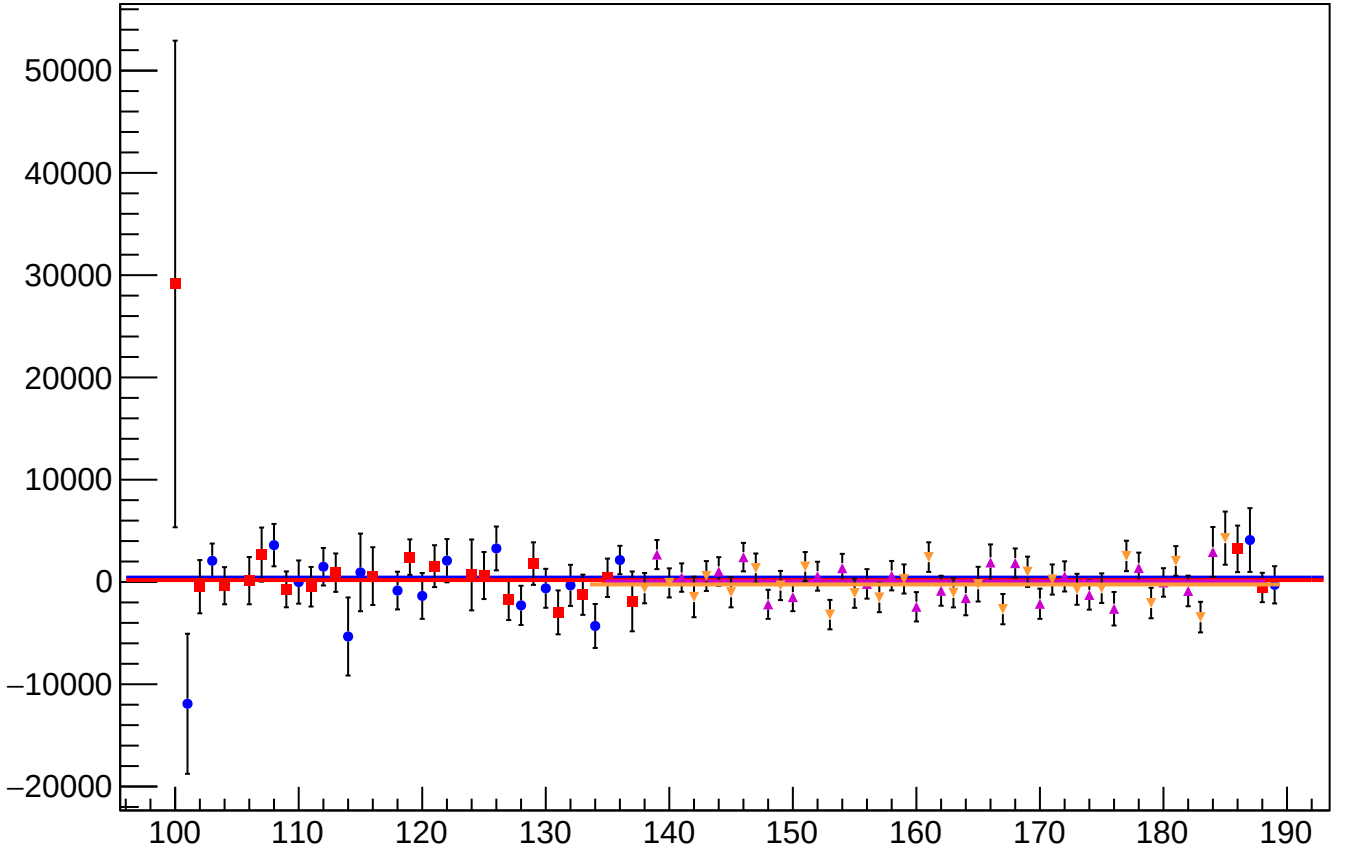
Left In: 0.000+/-0.000 χ^2/NDF:5079391.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 9156182.3/42

All: 0.000+/-0.000 χ^2/NDF: 19549120.7/86

- sign 0.000+/-0.000 χ^2/NDF: 10381441.6/43

reg_asym_usr_atr1_dd_mean vs Slug



Right In: 425.848+/-491.834 χ^2/NDF: 23.1/17

Left Out: -240.873+/-300.008 χ^2/NDF:31.7/24

Right Out: 187.252+/-463.157 χ^2/NDF: 12.0/20

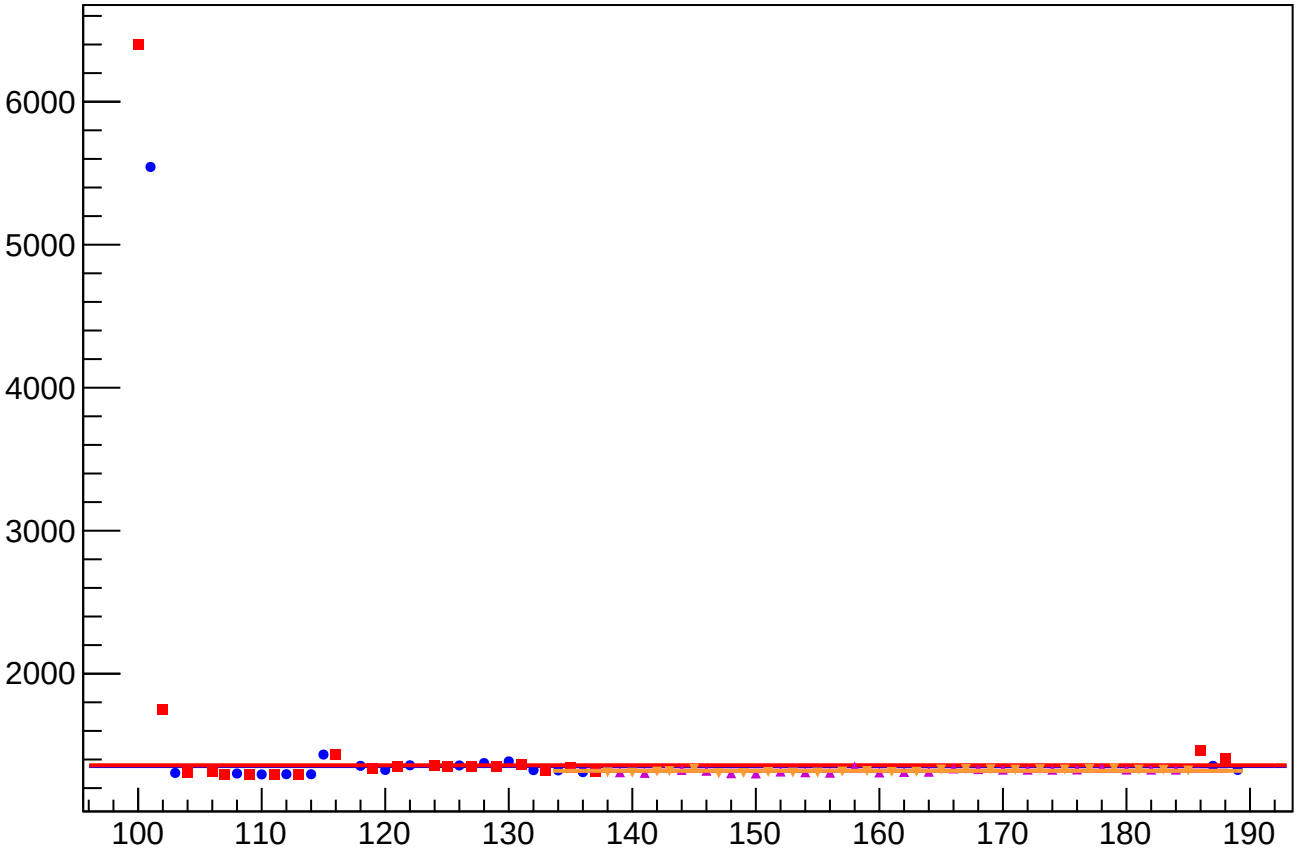
Left In: 39.122+/-308.622 χ^2/NDF:27.1/22

+ sign -60.075+/-256.120 χ^2/NDF: 56.1/42

All: 12.098+/-181.354 χ^2/NDF: 95.5/86

- sign 84.670+/-256.827 χ^2/NDF: 39.2/43

reg_asym_usr_atr1_dd_rms vs Slug



Right In: 1354.261+/-0.348 χ^2/NDF: 760736.9/17

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1359.756+/-0.328 χ^2/NDF: 154561.5/20

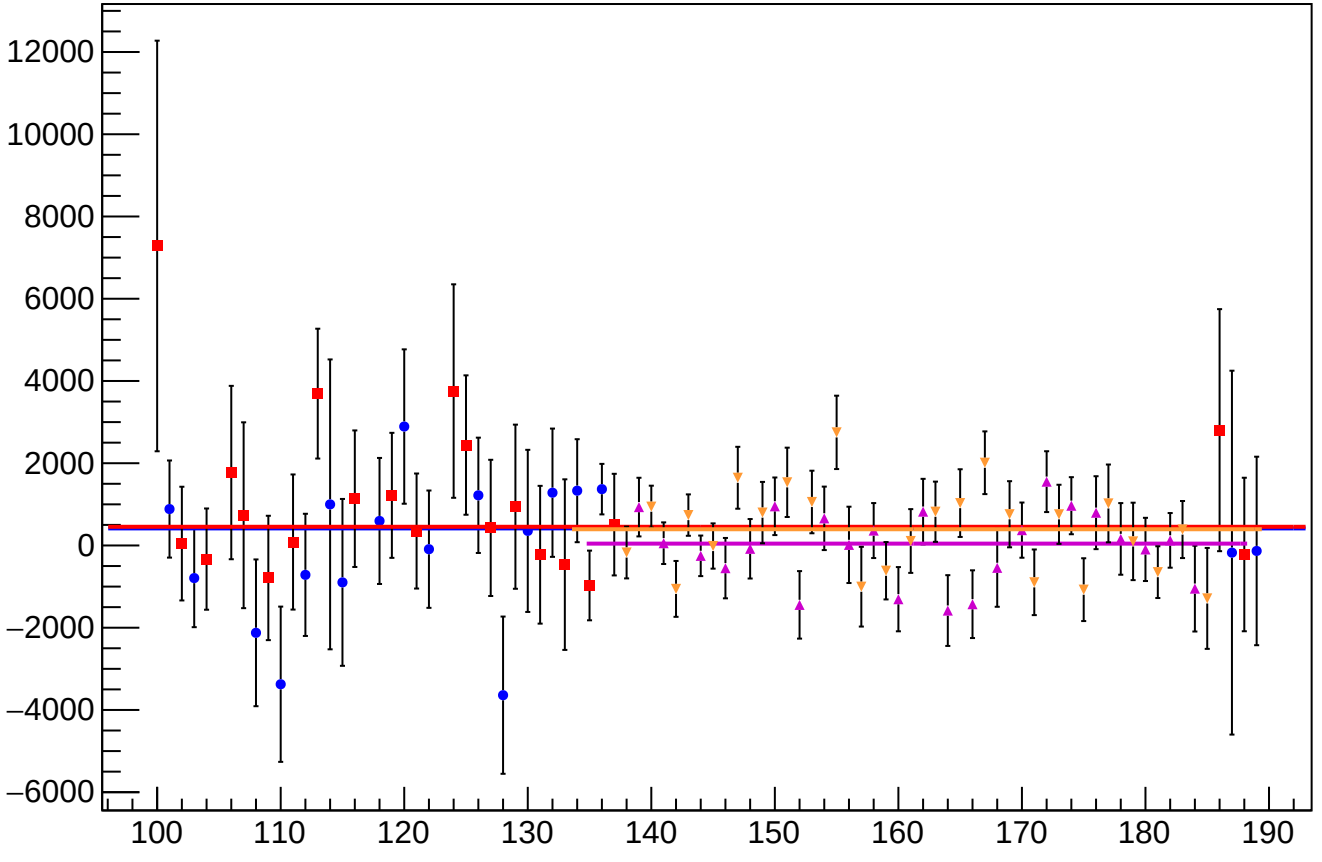
Left In: 1321.782+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.830+/-0.181 χ^2/NDF: 770110.1/42

All: 1331.640+/-0.128 χ^2/NDF: 937735.4/86

- sign 1333.459+/-0.182 χ^2/NDF: 167425.2/43

asym_usr_atr1_dd_reg_correction_mean vs Slug



Right In: 414.956+/-333.874 χ^2/NDF: 18.3/17

Left Out: 394.550+/-144.562 χ^2/NDF:41.8/24

Right Out: 454.392+/-346.877 χ^2/NDF: 15.2/20

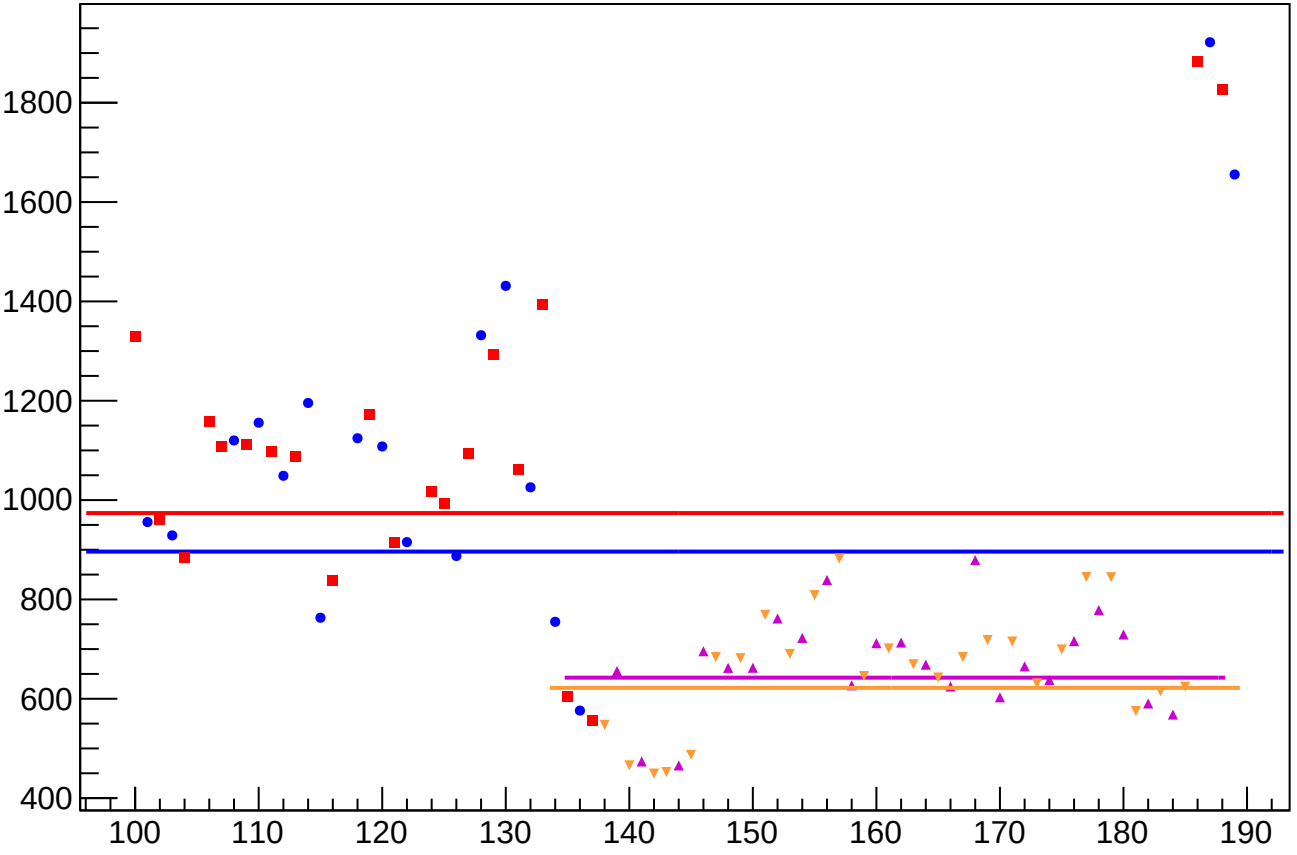
Left In: 44.777+/-152.333 χ^2/NDF:27.6/22

+ sign 397.771+/-132.660 χ^2/NDF: 60.2/42

All: 261.564+/-96.124 χ^2/NDF: 106.3/86

- sign 111.002+/-139.476 χ^2/NDF: 43.9/43

asym_usr_atr1_dd_reg_correction_rms vs Slug



Right In: 896.289+/-0.236 χ^2/NDF: 1350640.8/17

Left Out: 621.950+/-0.102 χ^2/NDF:1383473.2/24

Right Out: 973.862+/-0.245 χ^2/NDF: 1499299.3/20

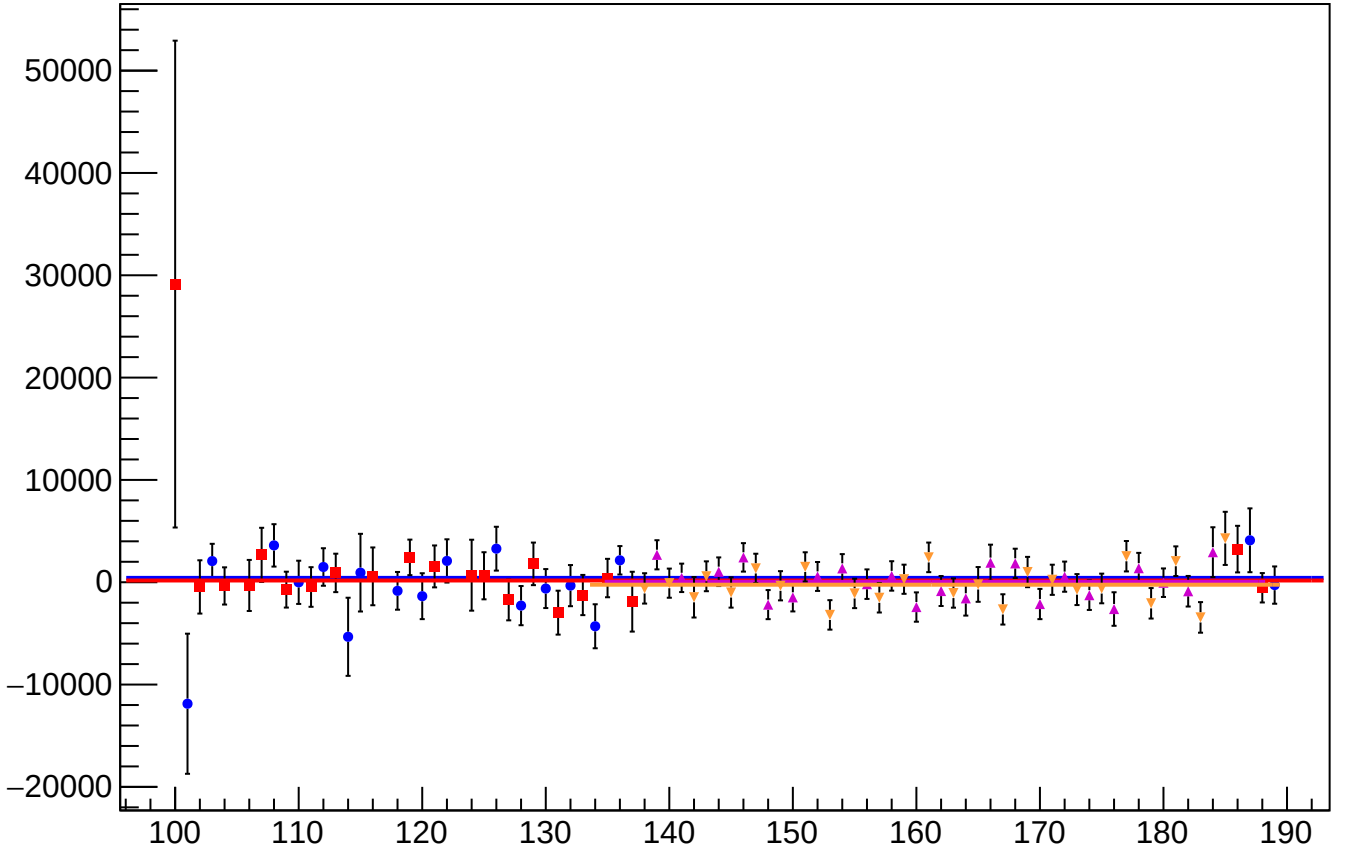
Left In: 642.470+/-0.108 χ^2/NDF:926330.5/22

+ sign 665.262+/-0.094 χ^2/NDF: 3871258.0/42

All: 679.885+/-0.068 χ^2/NDF: 7878341.0/86

- sign 696.048+/-0.099 χ^2/NDF: 3955922.5/43

cor_asym_usr_atr1_dd_mean vs Slug



Right In: 426.114+/-491.834 χ^2/NDF: 23.0/17

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: 172.508+/-464.507 χ^2/NDF: 12.1/20

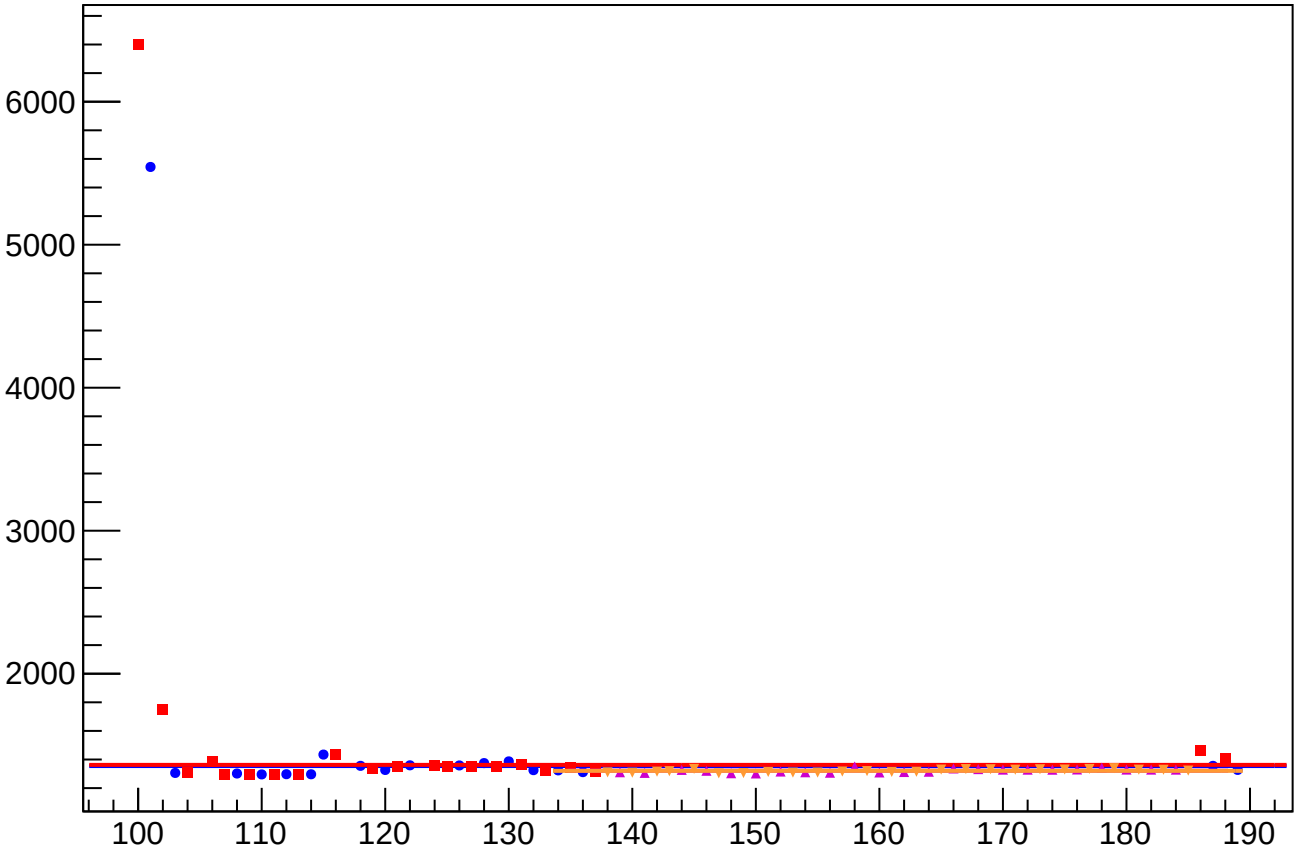
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign -60.004+/-256.120 χ^2/NDF: 56.1/42

All: 9.753+/-181.434 χ^2/NDF: 95.5/86

- sign 80.020+/-257.057 χ^2/NDF: 39.2/43

cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1354.261+/-0.348 χ^2/NDF: 760735.9/17

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1362.474+/-0.328 χ^2/NDF: 154093.7/20

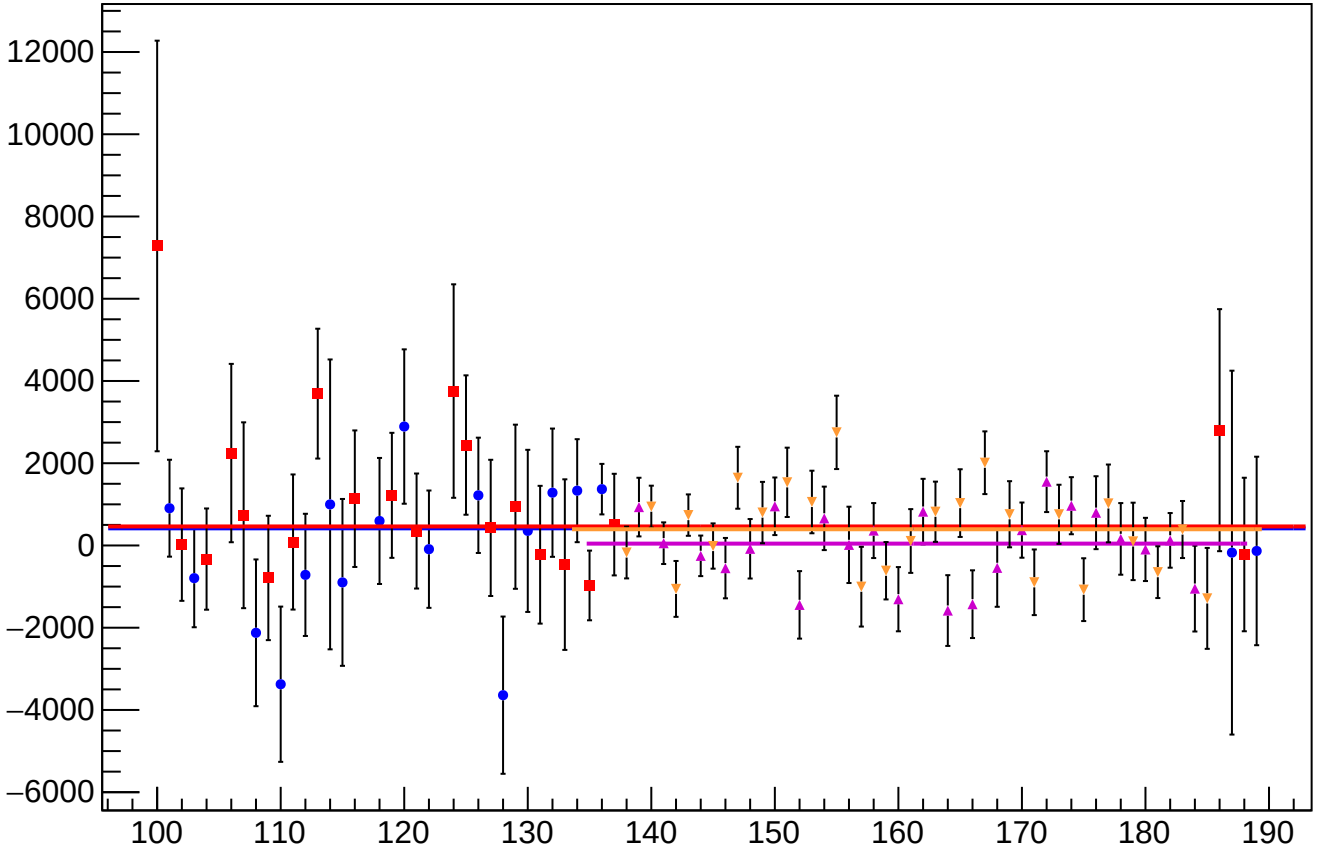
Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.830+/-0.181 χ^2/NDF: 770109.1/42

All: 1332.029+/-0.128 χ^2/NDF: 938699.4/86

- sign 1334.244+/-0.182 χ^2/NDF: 168294.4/43

asym_usr_atr1_dd_cor_correction_mean vs Slug



Right In: 416.686+/-333.819 χ^2/NDF: 18.3/17

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: 462.462+/-346.882 χ^2/NDF: 15.5/20

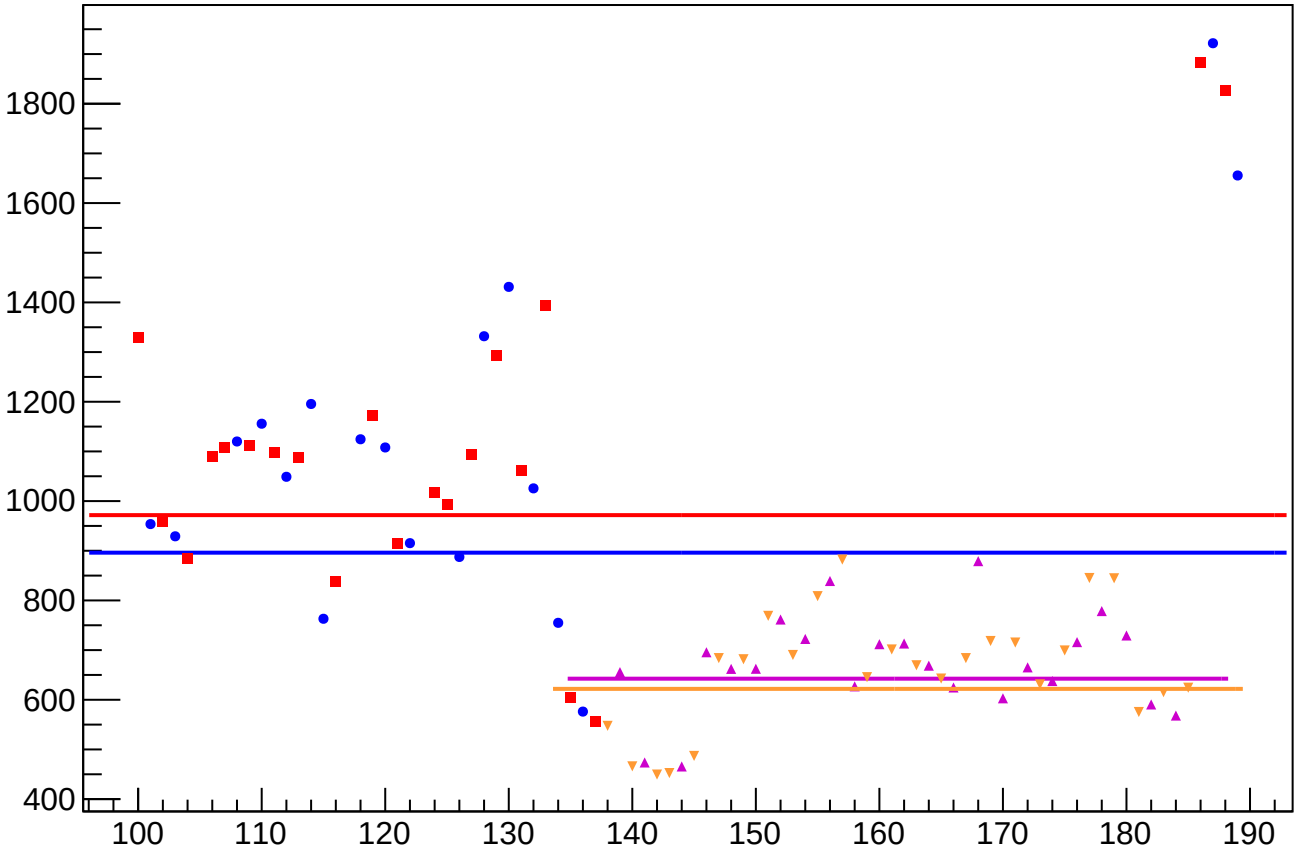
Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

+ sign 398.022+/-132.657 χ^2/NDF: 60.2/42

All: 262.313+/-96.123 χ^2/NDF: 106.6/86

- sign 112.295+/-139.475 χ^2/NDF: 44.3/43

asym_usr_atr1_dd_cor_correction_rms vs Slug



Right In: 896.159+/-0.236 χ^2/NDF: 1350290.6/17

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 971.742+/-0.245 χ^2/NDF: 1489863.0/20

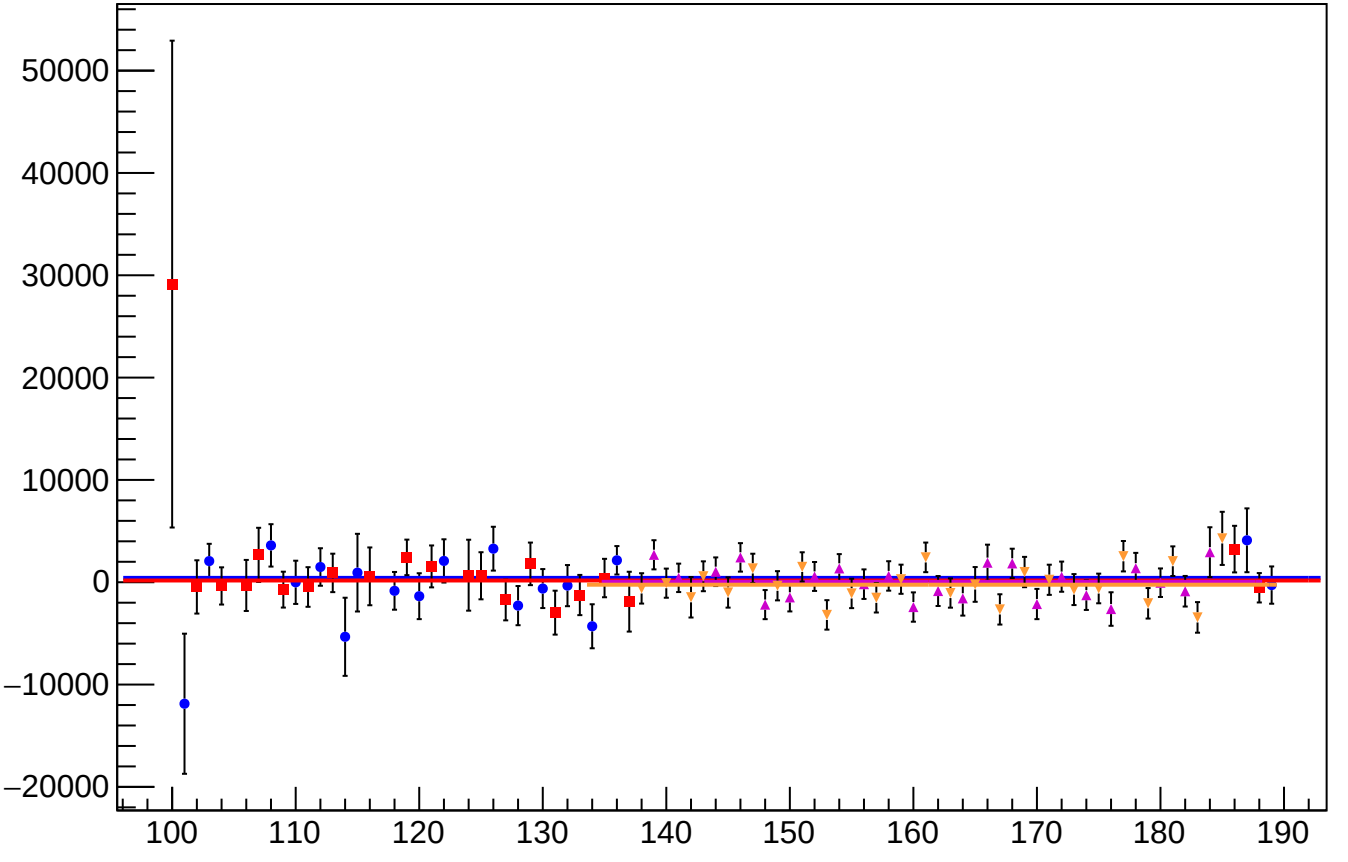
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

+ sign 665.253+/-0.094 χ^2/NDF: 3870039.6/42

All: 679.714+/-0.068 χ^2/NDF: 7847104.8/86

- sign 695.700+/-0.099 χ^2/NDF: 3927026.4/43

eigen_cor_asym_usr_atr1_dd_mean vs Slug



Right In: 426.114+/-491.834 χ^2/NDF: 23.0/17

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: 172.508+/-464.507 χ^2/NDF: 12.1/20

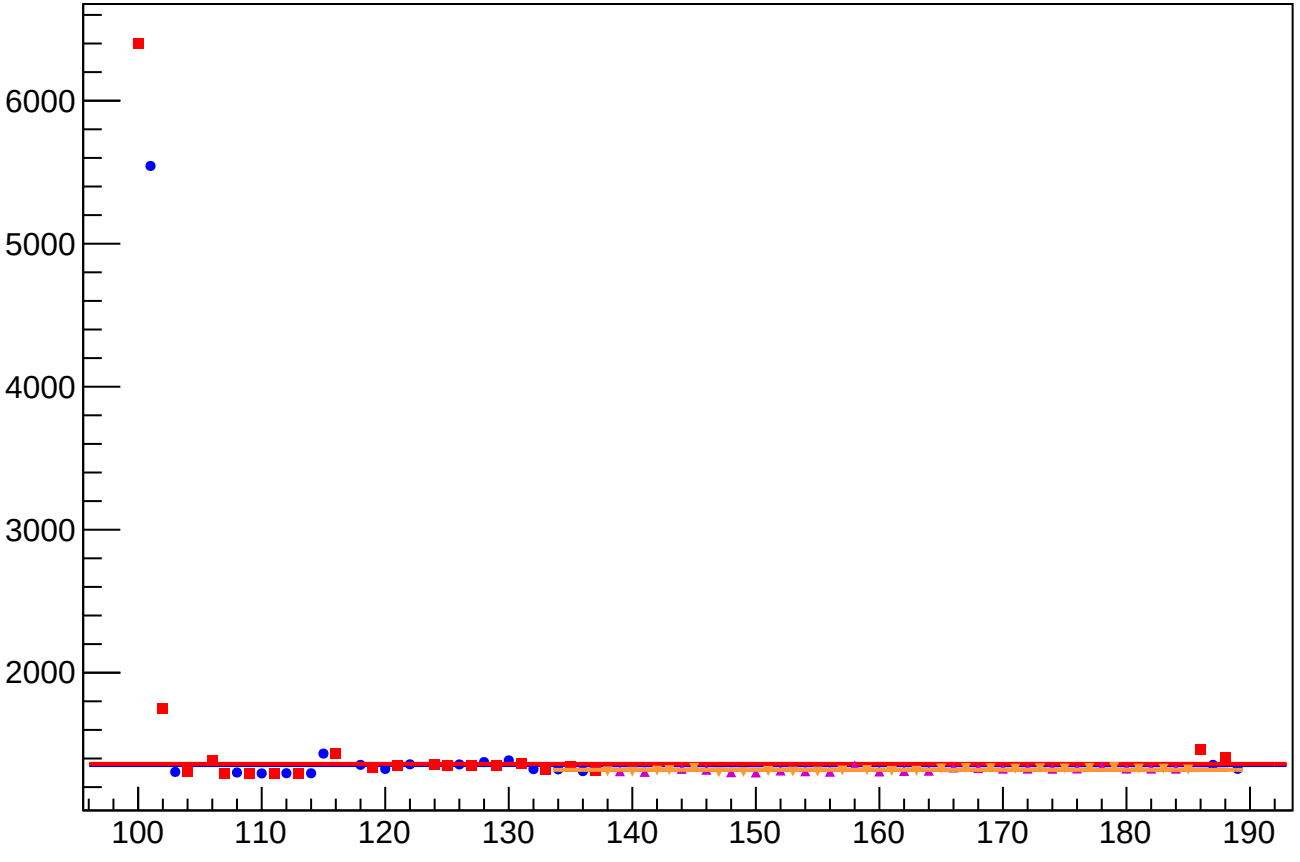
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign -60.004+/-256.120 χ^2/NDF: 56.1/42

All: 9.753+/-181.434 χ^2/NDF: 95.5/86

- sign 80.020+/-257.057 χ^2/NDF: 39.2/43

eigen_cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1354.261+/-0.348 χ^2/NDF: 760735.9/17

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

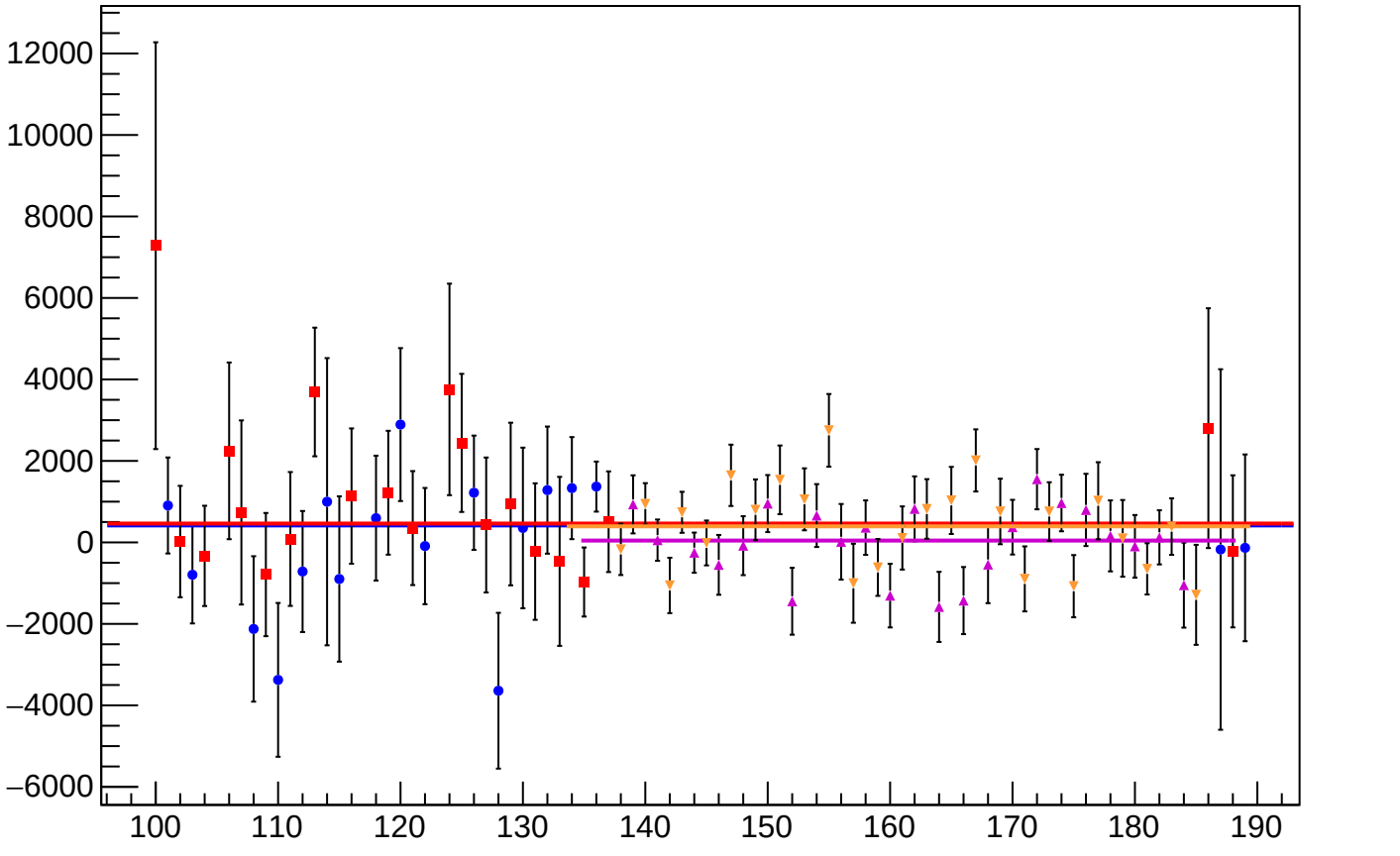
Right Out: 1362.474+/-0.328 χ^2/NDF: 154093.7/20

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.830+/-0.181 χ^2/NDF: 770109.1/42

All: 1332.029+/-0.128 χ^2/NDF: 938699.4/86

- sign 1334.244+/-0.182 χ^2/NDF: 168294.4/43



Right In: 416.686+/-333.819 χ^2/NDF: 18.3/17

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

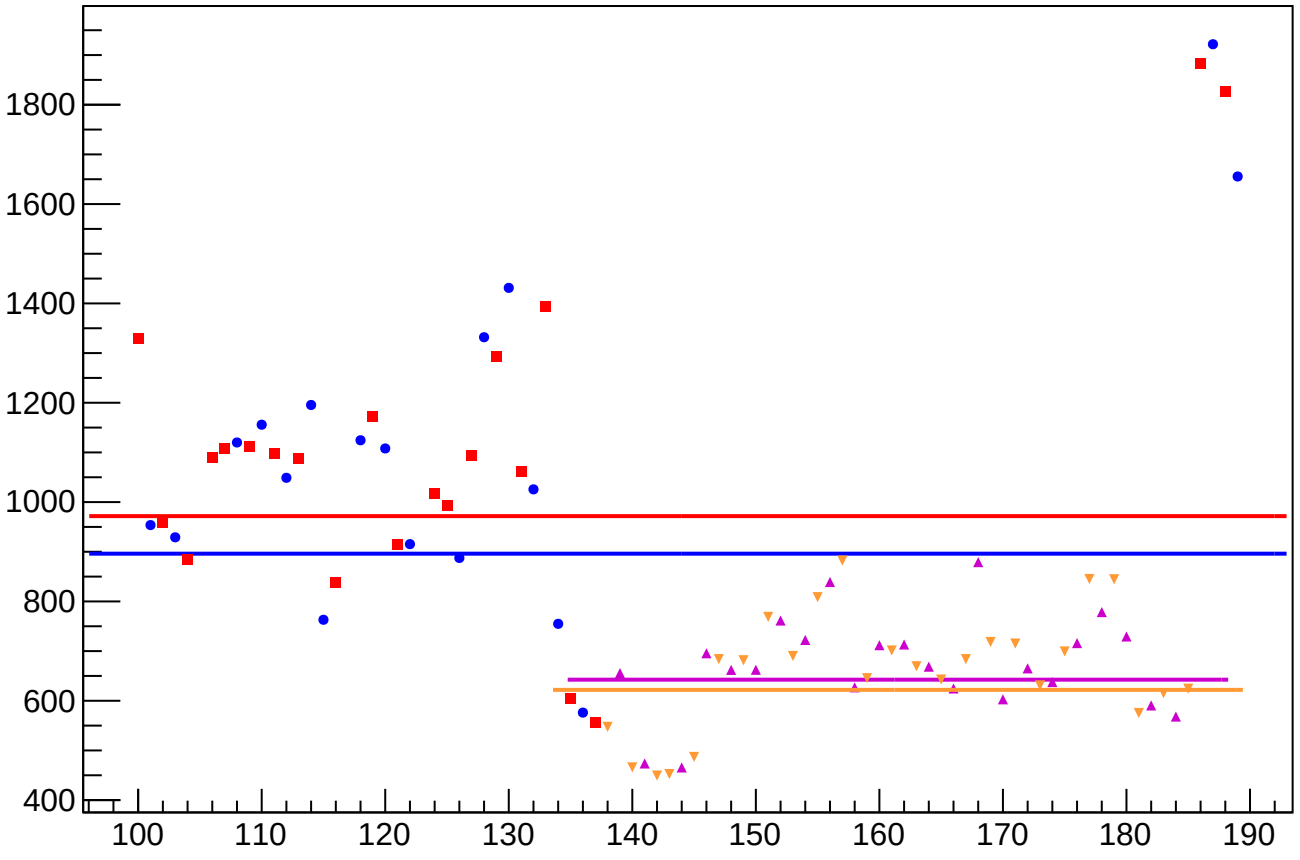
Right Out: 462.462+/-346.882 χ^2/NDF: 15.5/20

Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

+ sign 398.022+/-132.657 χ^2/NDF: 60.2/42

All: 262.313+/-96.123 χ^2/NDF: 106.6/86

- sign 112.295+/-139.475 χ^2/NDF: 44.3/43



Right In: 896.159+/-0.236 χ^2/NDF: 1350290.6/17

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 971.742+/-0.245 χ^2/NDF: 1489863.0/20

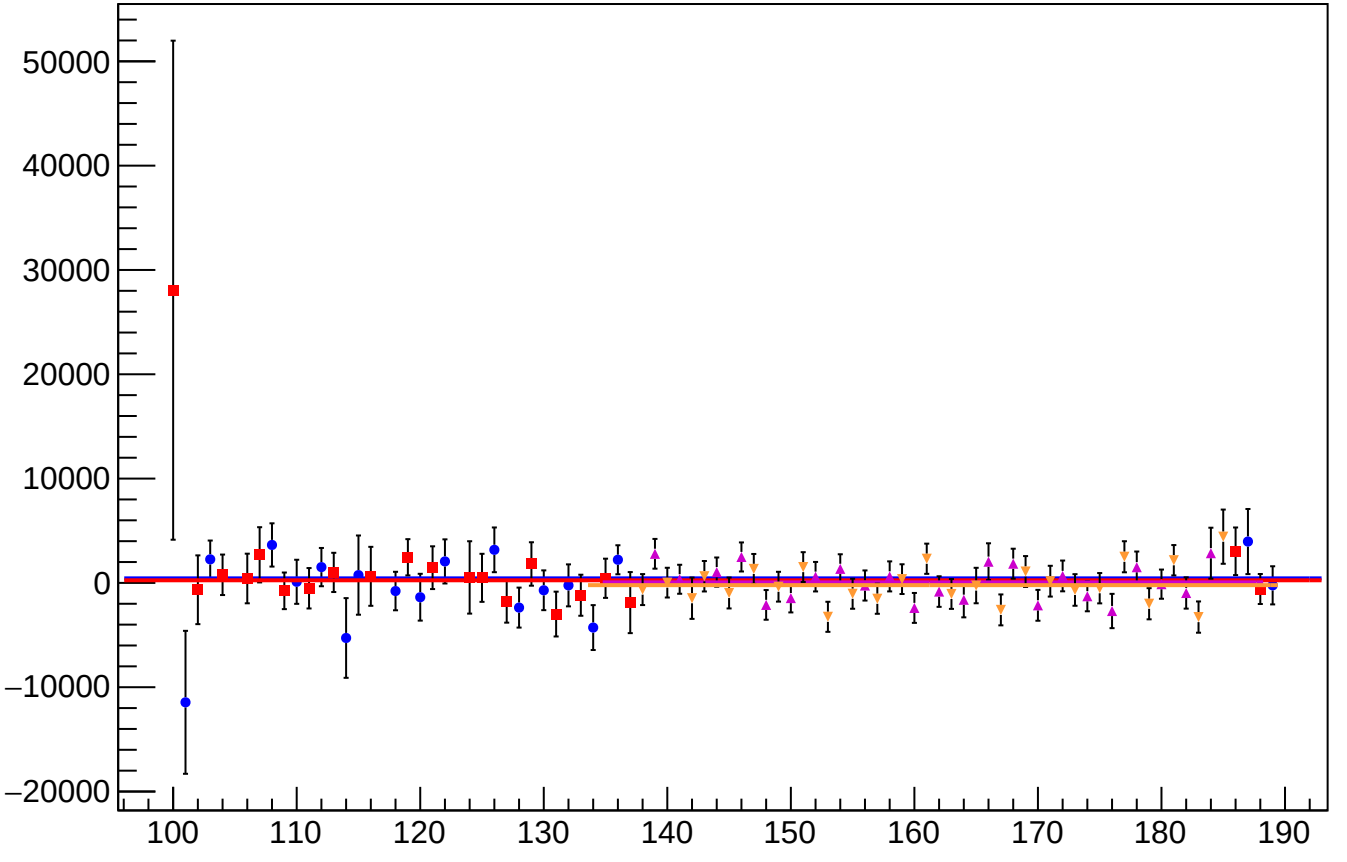
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

+ sign 665.253+/-0.094 χ^2/NDF: 3870039.6/42

All: 679.714+/-0.068 χ^2/NDF: 7847104.8/86

- sign 695.700+/-0.099 χ^2/NDF: 3927026.4/43

dit_asym_usr_atr1_dd_mean vs Slug



Right In: 434.115+/-494.854 χ^2/NDF: 22.8/17

Left Out: -215.033+/-300.379 χ^2/NDF:31.3/24

Right Out: 251.427+/-468.723 χ^2/NDF: 11.8/20

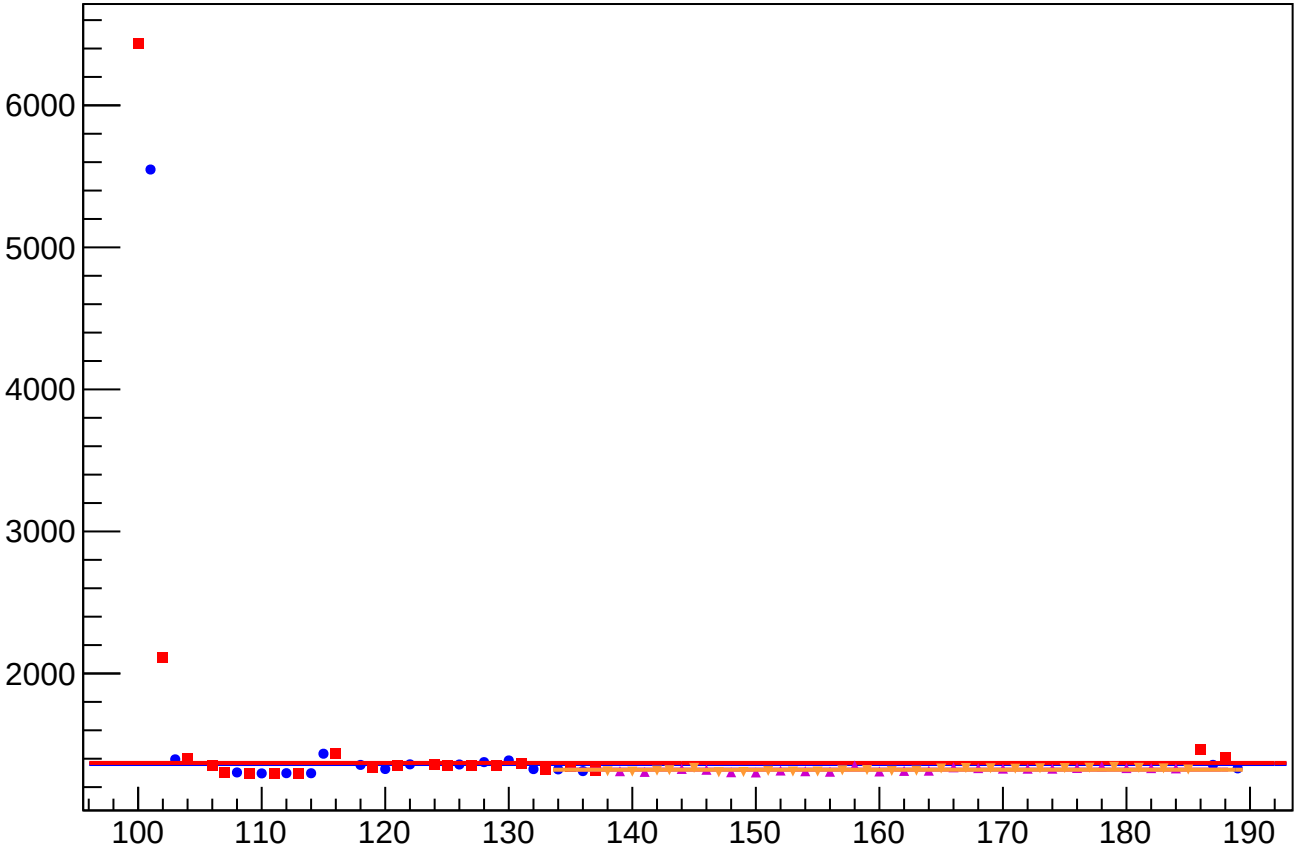
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign -40.251+/-256.776 χ^2/NDF: 55.3/42

All: 35.115+/-181.991 χ^2/NDF: 95.3/86

- sign 111.187+/-257.977 χ^2/NDF: 39.8/43

dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1362.638+/-0.350 χ^2/NDF: 759569.8/17

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1370.333+/-0.331 χ^2/NDF: 211084.4/20

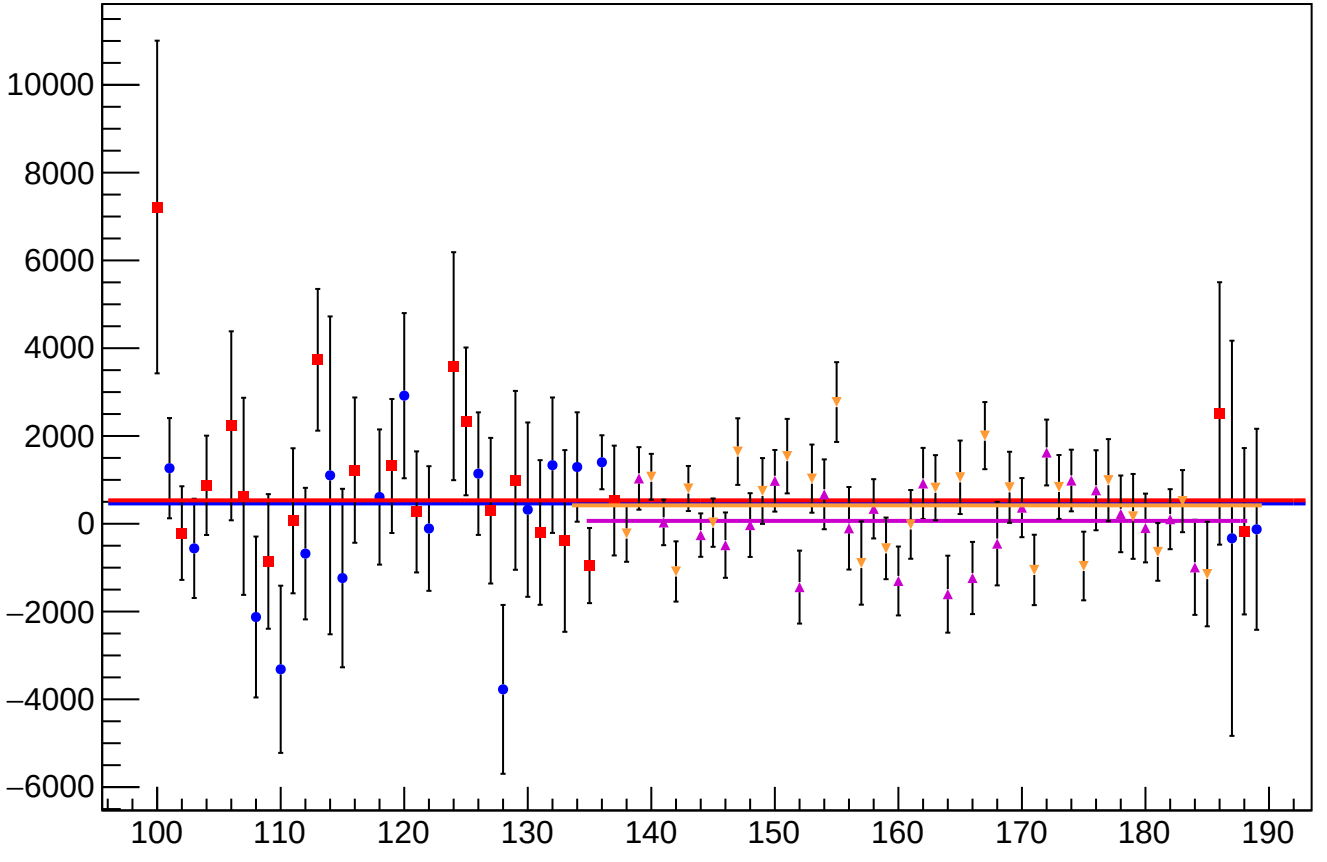
Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1333.211+/-0.182 χ^2/NDF: 772179.6/42

All: 1335.382+/-0.129 χ^2/NDF: 1001422.6/86

- sign 1337.573+/-0.182 χ^2/NDF: 228955.8/43

asym_usr_atr1_dd_dit_correction_mean vs Slug



Right In: 463.244+/-332.038 χ^2/NDF: 18.7/17

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: 533.597+/-338.287 χ^2/NDF: 16.2/20

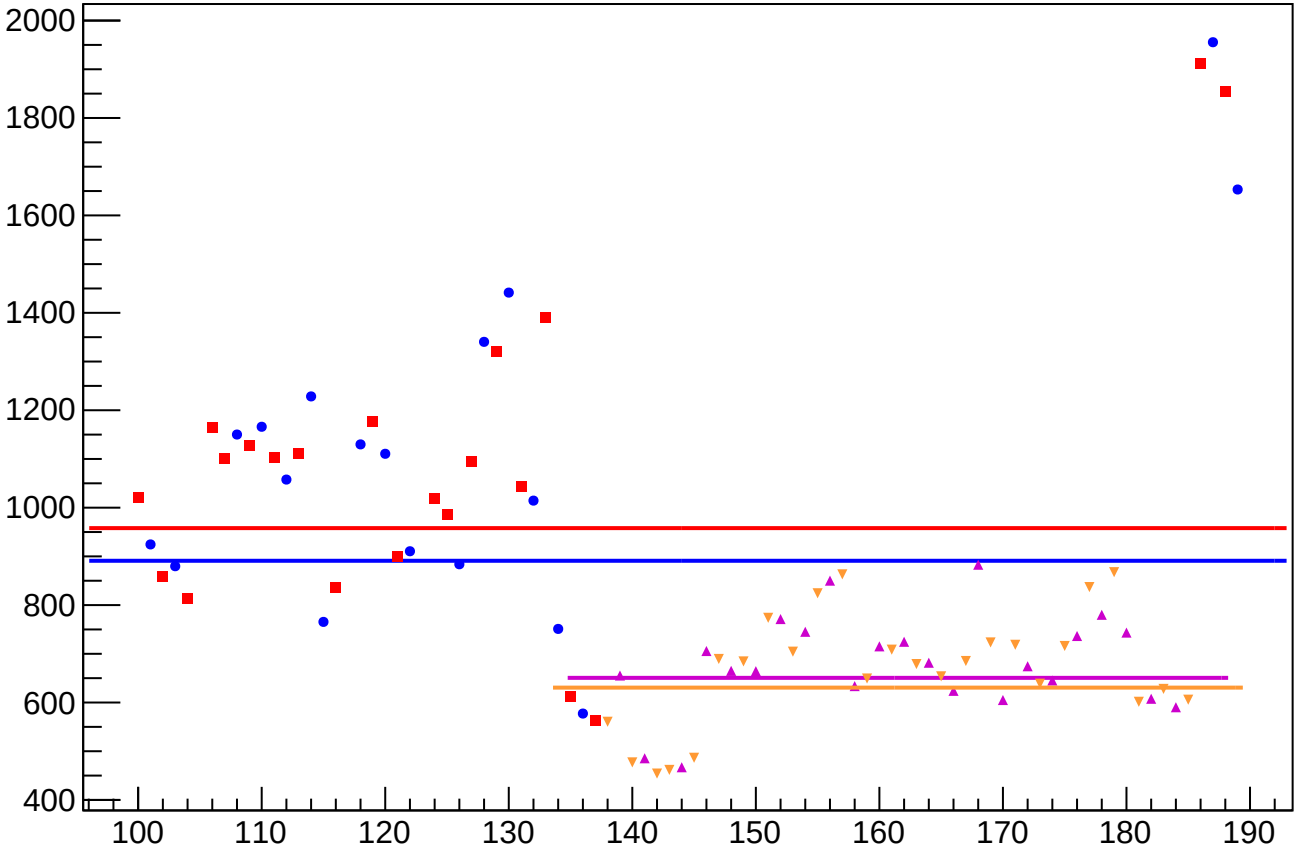
Left In: 65.405+/-154.224 χ^2/NDF:27.0/22

+ sign 426.957+/-133.984 χ^2/NDF: 60.3/42

All: 292.959+/-96.907 χ^2/NDF: 107.2/86

- sign 145.971+/-140.329 χ^2/NDF: 44.8/43

asym_usr_atr1_dd_dit_correction_rms vs Slug



Right In: 890.981+/-0.235 χ^2/NDF: 1363615.6/17

Left Out: 630.592+/-0.104 χ^2/NDF:1328590.6/24

Right Out: 958.022+/-0.239 χ^2/NDF: 1539802.9/20

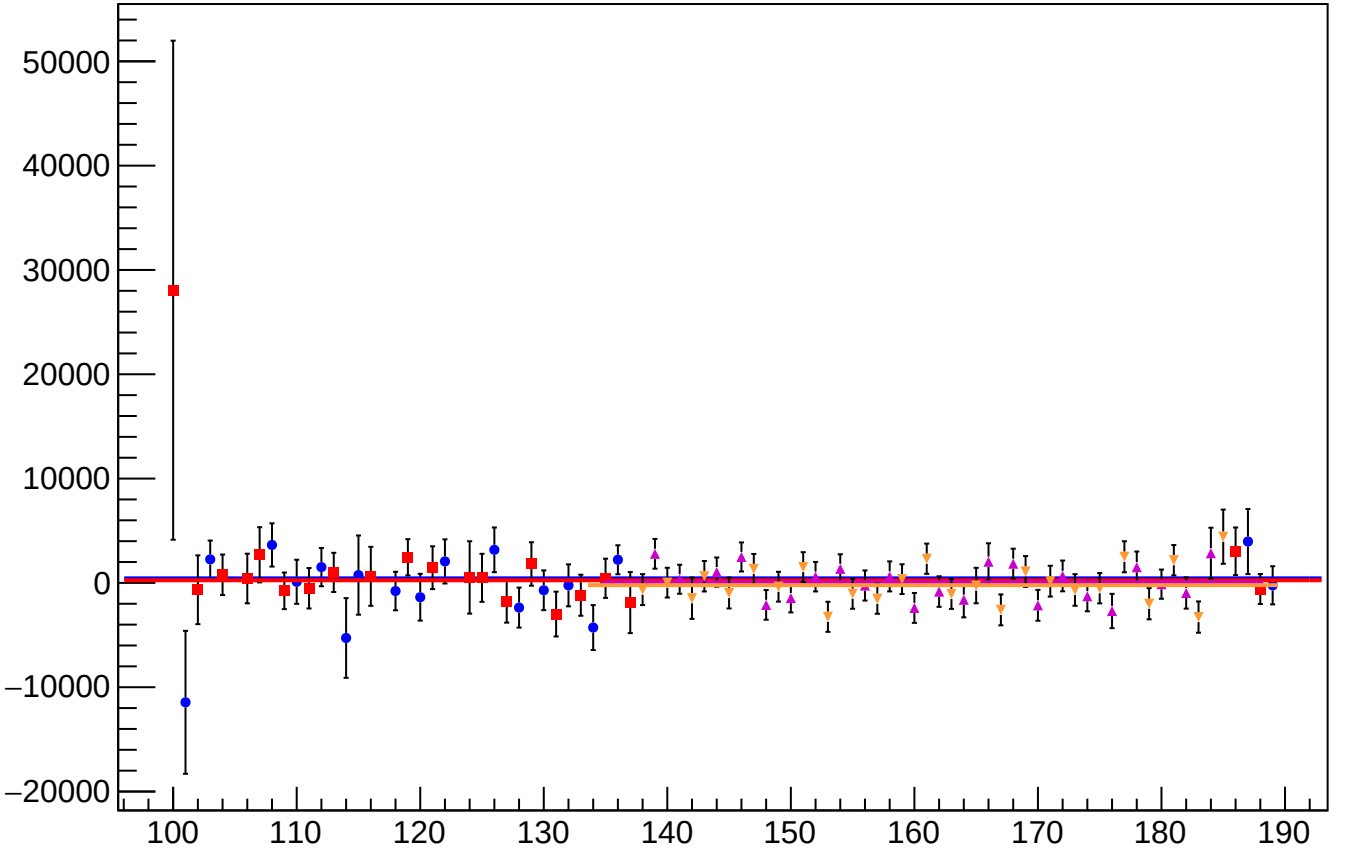
Left In: 650.637+/-0.109 χ^2/NDF:922078.1/22

+ sign 672.991+/-0.095 χ^2/NDF: 3721915.7/42

All: 687.555+/-0.069 χ^2/NDF: 7600494.0/86

- sign 703.531+/-0.099 χ^2/NDF: 3829025.2/43

eigen_dit_asym_usr_atr1_dd_mean vs Slug



Right In: 434.115+/-494.854 χ^2/NDF: 22.8/17

Left Out: -215.035+/-300.379 χ^2/NDF:31.3/24

Right Out: 251.426+/-468.723 χ^2/NDF: 11.8/20

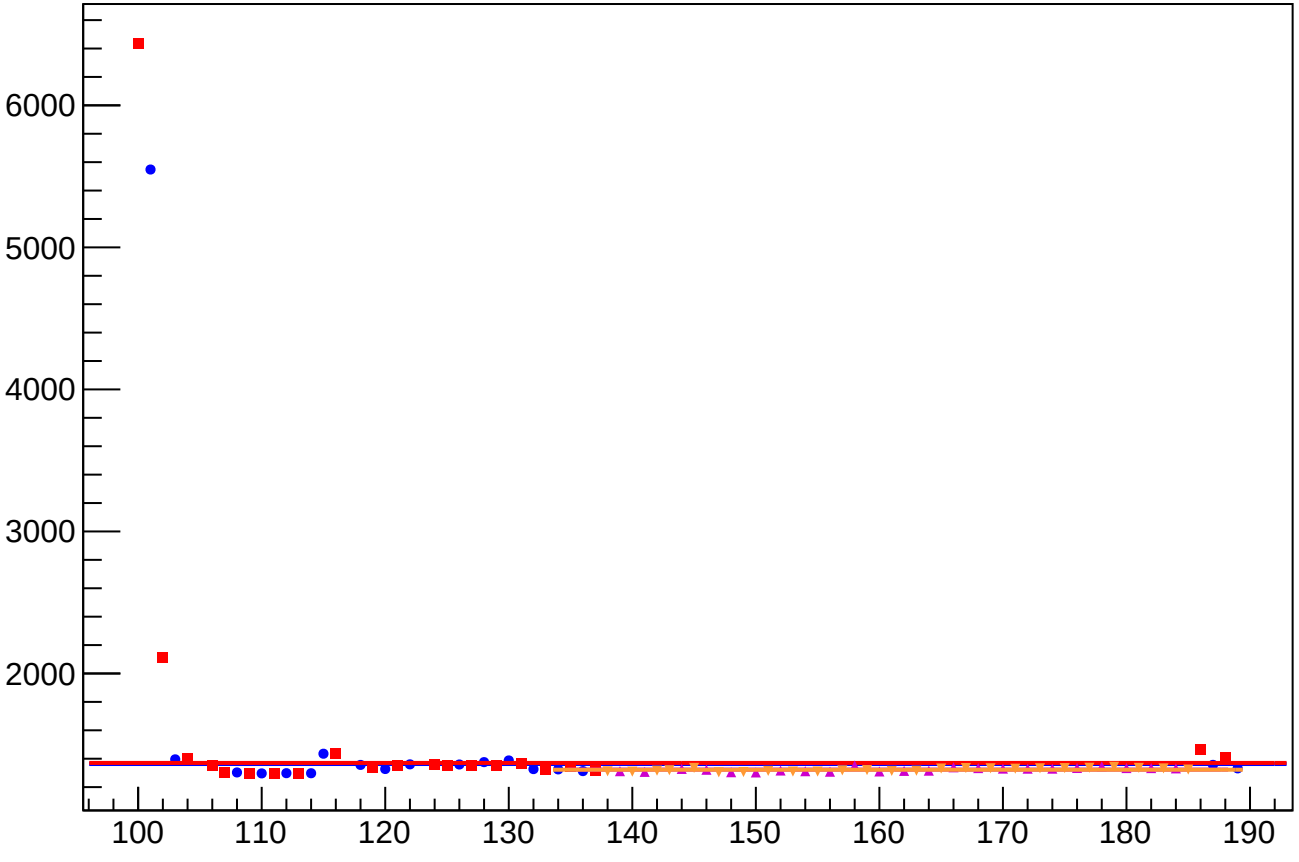
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign -40.251+/-256.776 χ^2/NDF: 55.3/42

All: 35.114+/-181.991 χ^2/NDF: 95.3/86

- sign 111.186+/-257.977 χ^2/NDF: 39.8/43

eigen_dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1362.637+/-0.350 χ^2/NDF: 759569.8/17

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

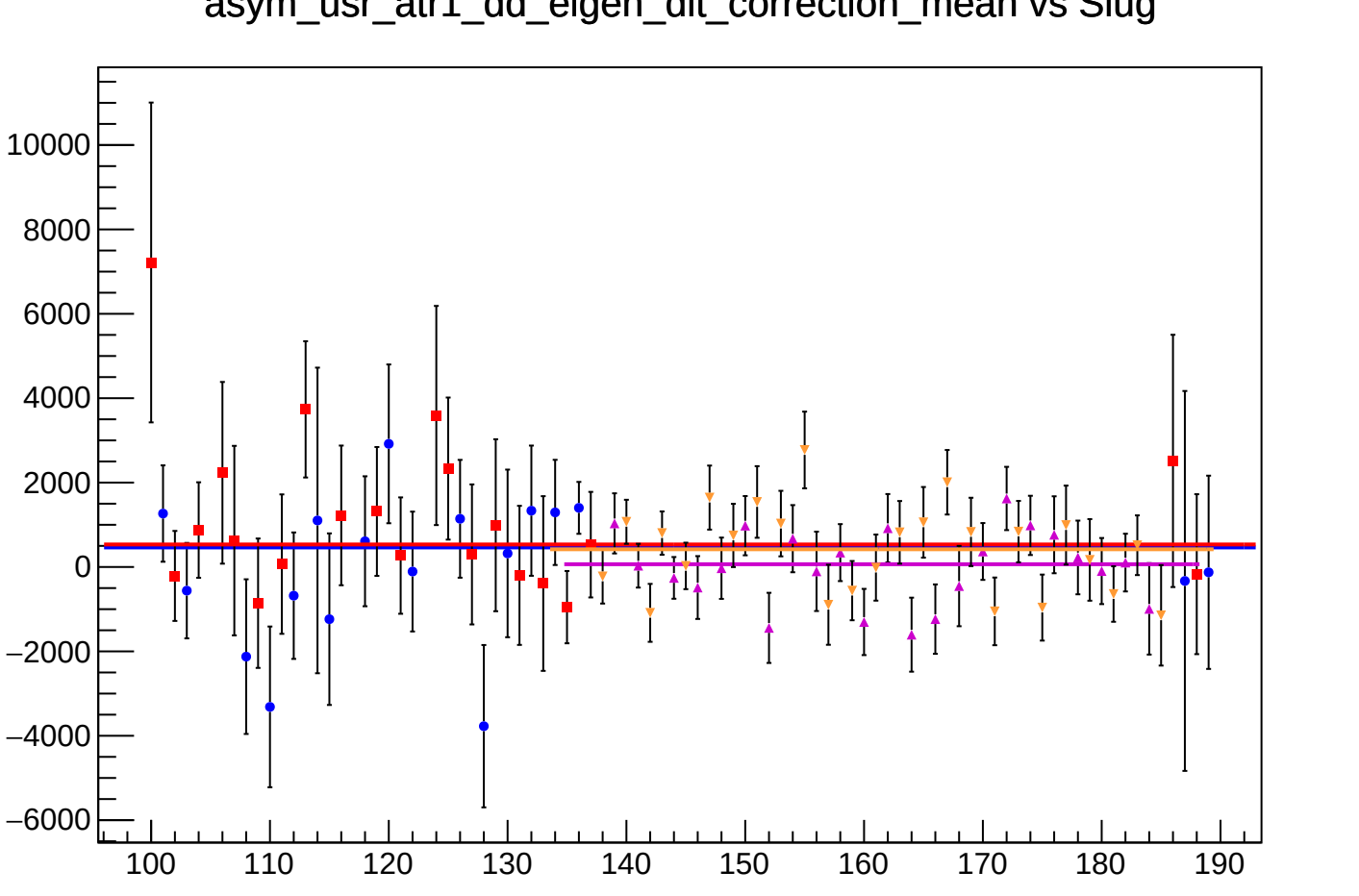
Right Out: 1370.333+/-0.331 χ^2/NDF: 211084.4/20

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1333.211+/-0.182 χ^2/NDF: 772179.6/42

All: 1335.382+/-0.129 χ^2/NDF: 1001422.5/86

- sign 1337.573+/-0.182 χ^2/NDF: 228955.7/43



Right In: 463.242+/-332.037 χ^2/NDF: 18.7/17

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: 533.596+/-338.286 χ^2/NDF: 16.2/20

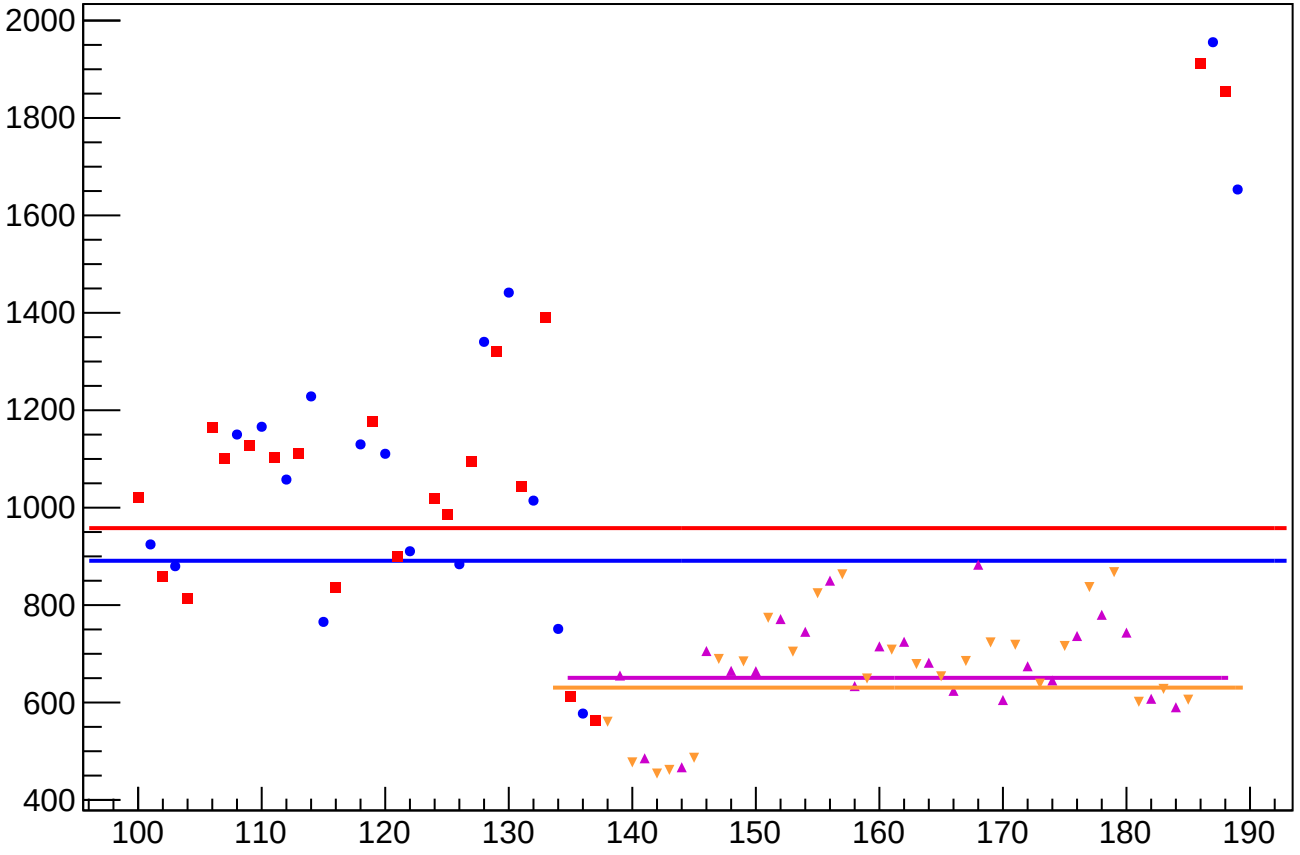
Left In: 65.405+/-154.225 χ^2/NDF:27.0/22

+ sign 426.957+/-133.984 χ^2/NDF: 60.3/42

All: 292.959+/-96.907 χ^2/NDF: 107.2/86

- sign 145.971+/-140.329 χ^2/NDF: 44.8/43

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug



Right In: 890.978+/-0.235 χ^2/NDF: 1363615.4/17

Left Out: 630.592+/-0.104 χ^2/NDF:1328610.2/24

Right Out: 958.020+/-0.239 χ^2/NDF: 1539802.1/20

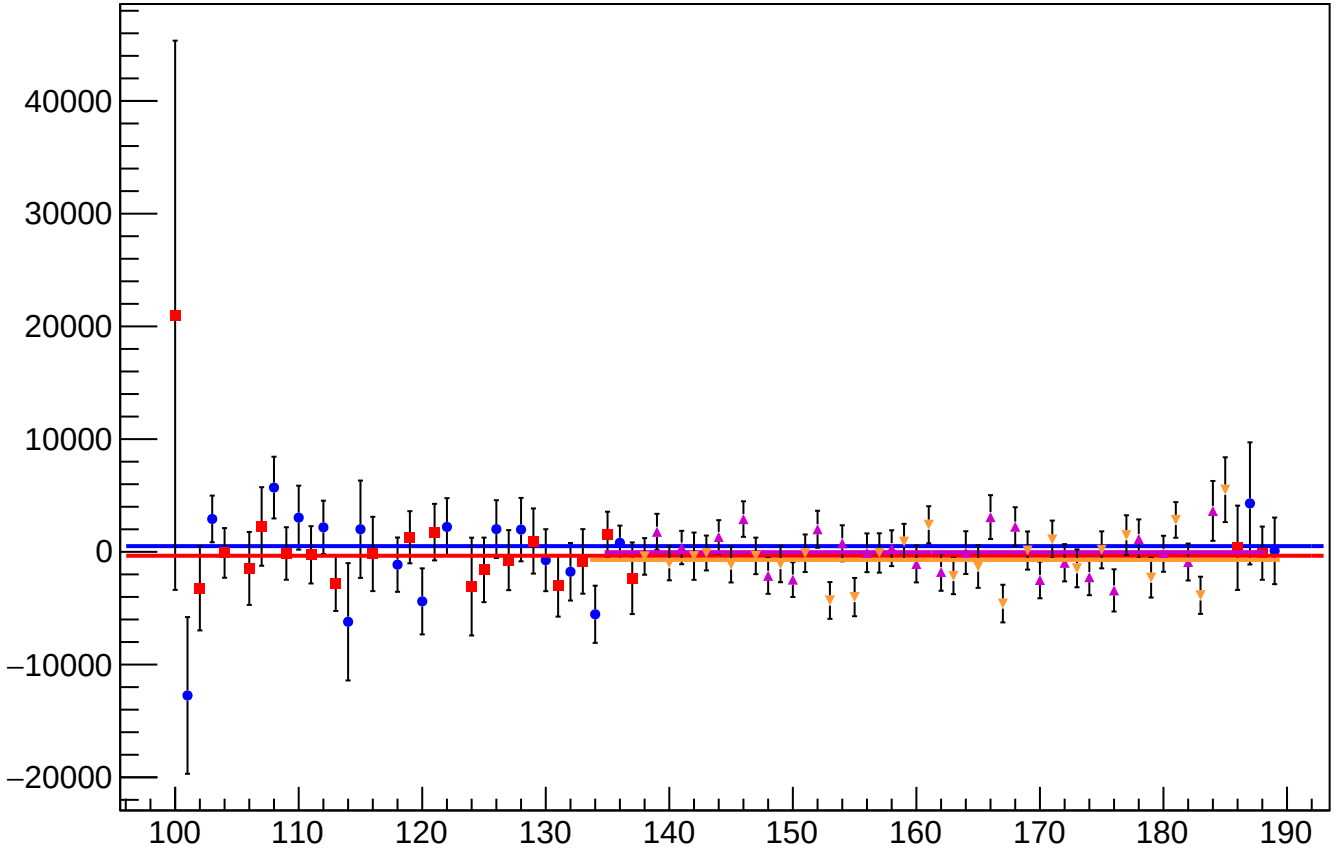
Left In: 650.638+/-0.109 χ^2/NDF:922087.6/22

+ sign 672.991+/-0.095 χ^2/NDF: 3721915.6/42

All: 687.555+/-0.069 χ^2/NDF: 7600481.7/86

- sign 703.532+/-0.099 χ^2/NDF: 3829011.2/43

asym_usr_atr1_dd_mean vs Slug



Right In: 507.708+/-629.804 χ^2/NDF: 23.2/17

Left Out: -718.291+/-337.578 χ^2/NDF:37.7/24

Right Out: -346.855+/-611.149 χ^2/NDF: 7.3/20

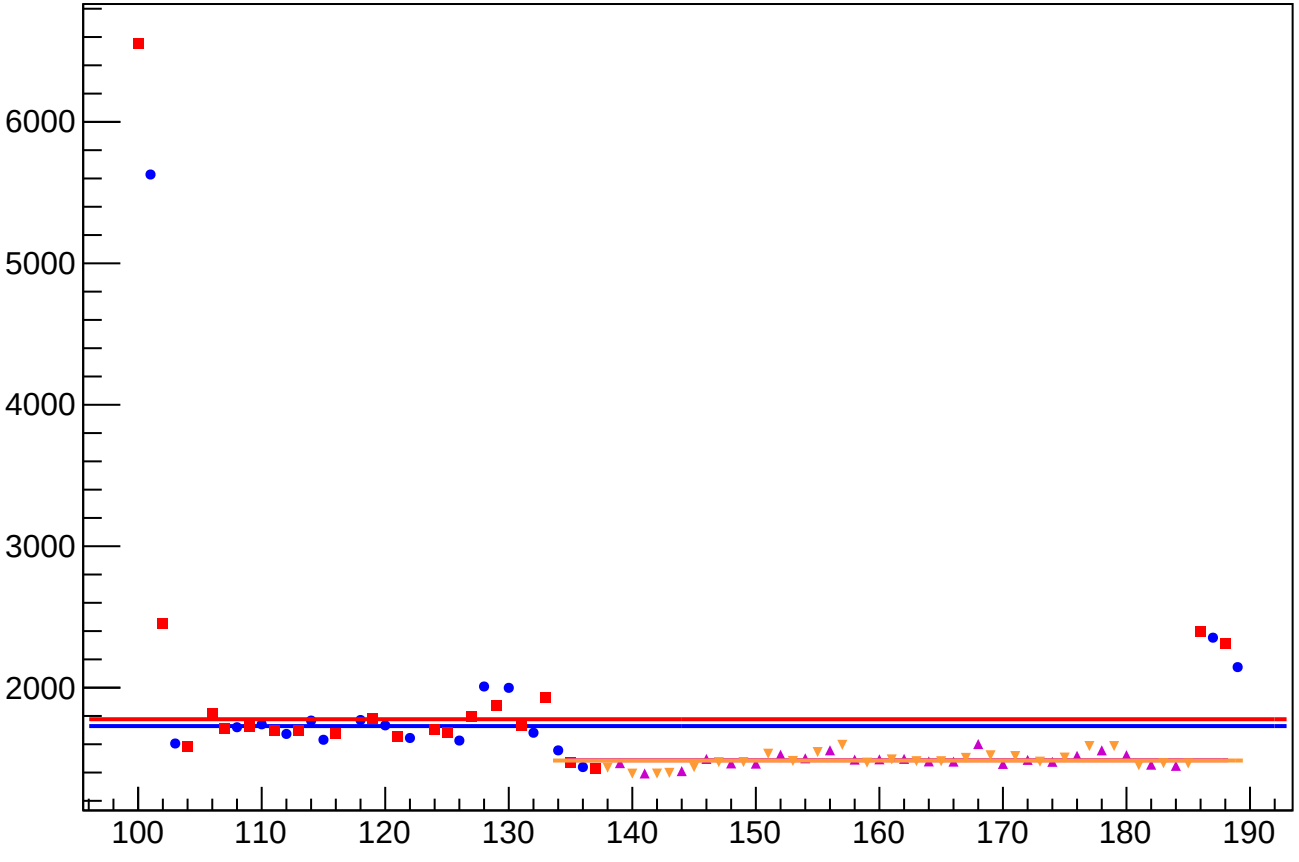
Left In: -27.514+/-347.415 χ^2/NDF:28.0/22

+ sign -444.672+/-297.532 χ^2/NDF: 63.9/42

All: -277.631+/-211.958 χ^2/NDF: 100.0/86

- sign -105.506+/-302.026 χ^2/NDF: 35.5/43

asym_usr_atr1_dd_rms vs Slug



Right In: 1728.452+/-0.445 χ^2/NDF: 832595.9/17

Left Out: 1484.960+/-0.239 χ^2/NDF:50905.1/24

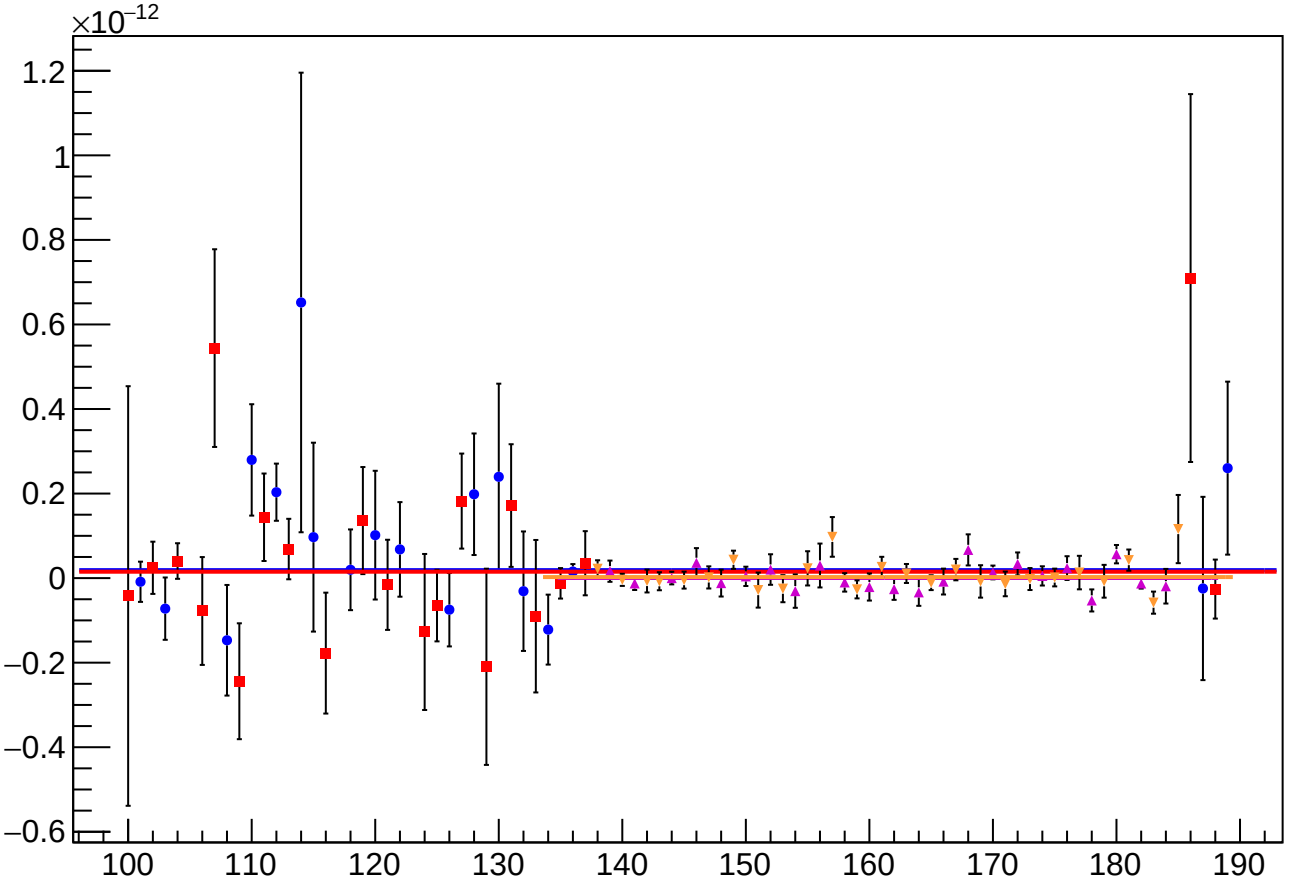
Right Out: 1776.976+/-0.432 χ^2/NDF: 407865.4/20

Left In: 1487.112+/-0.246 χ^2/NDF:34817.2/22

+ sign 1539.303+/-0.210 χ^2/NDF: 1115725.1/42

All: 1548.465+/-0.150 χ^2/NDF: 1902287.5/86

- sign 1557.905+/-0.214 χ^2/NDF: 782712.0/43



Right In: 0.000+/-0.000 χ^2/NDF: 25.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.2/20

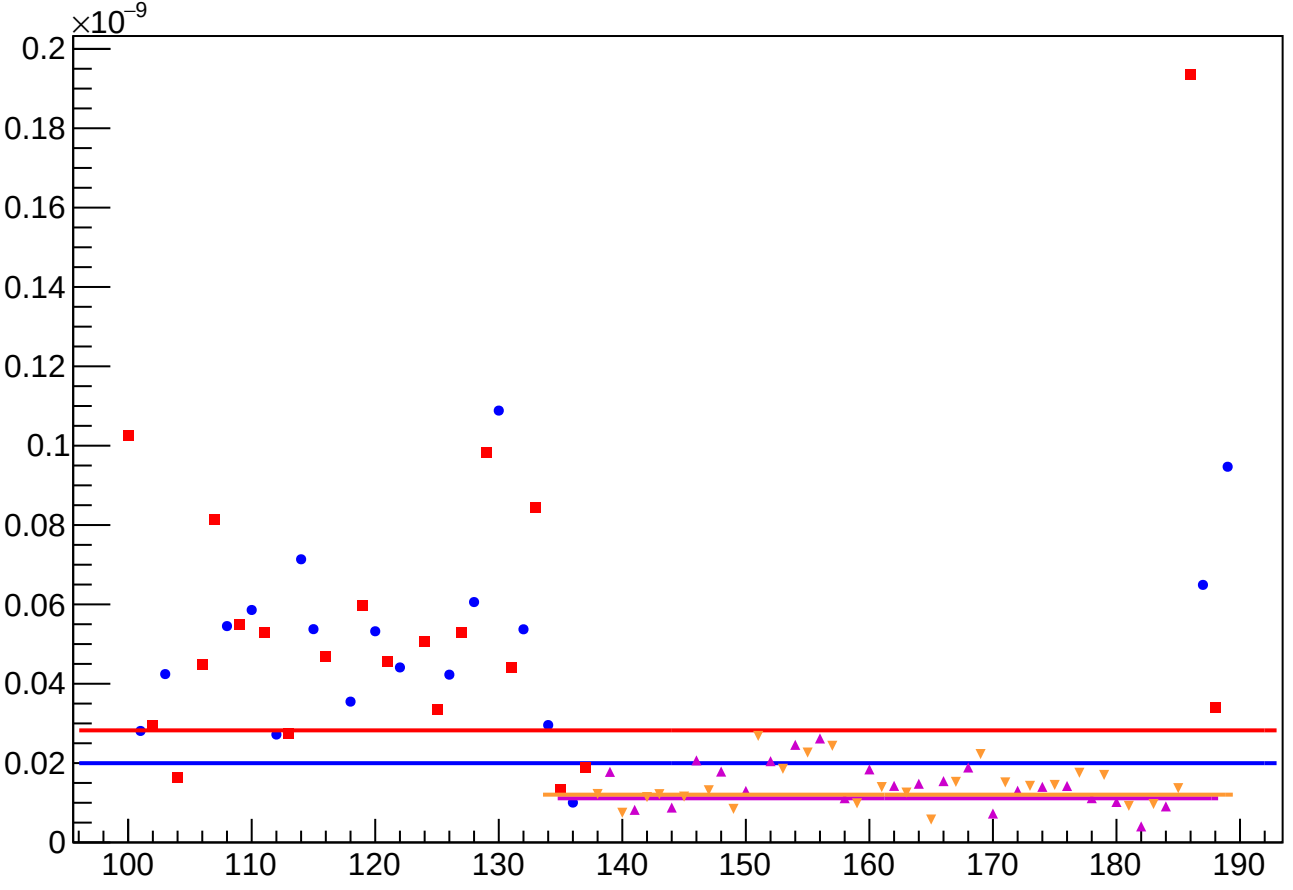
Left In: 0.000+/-0.000 χ^2/NDF:24.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.6/42

All: 0.000+/-0.000 χ^2/NDF: 101.5/86

- sign 0.000+/-0.000 χ^2/NDF: 49.8/43

asym_usr_atr1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2630155.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:1520224.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1954946.3/20

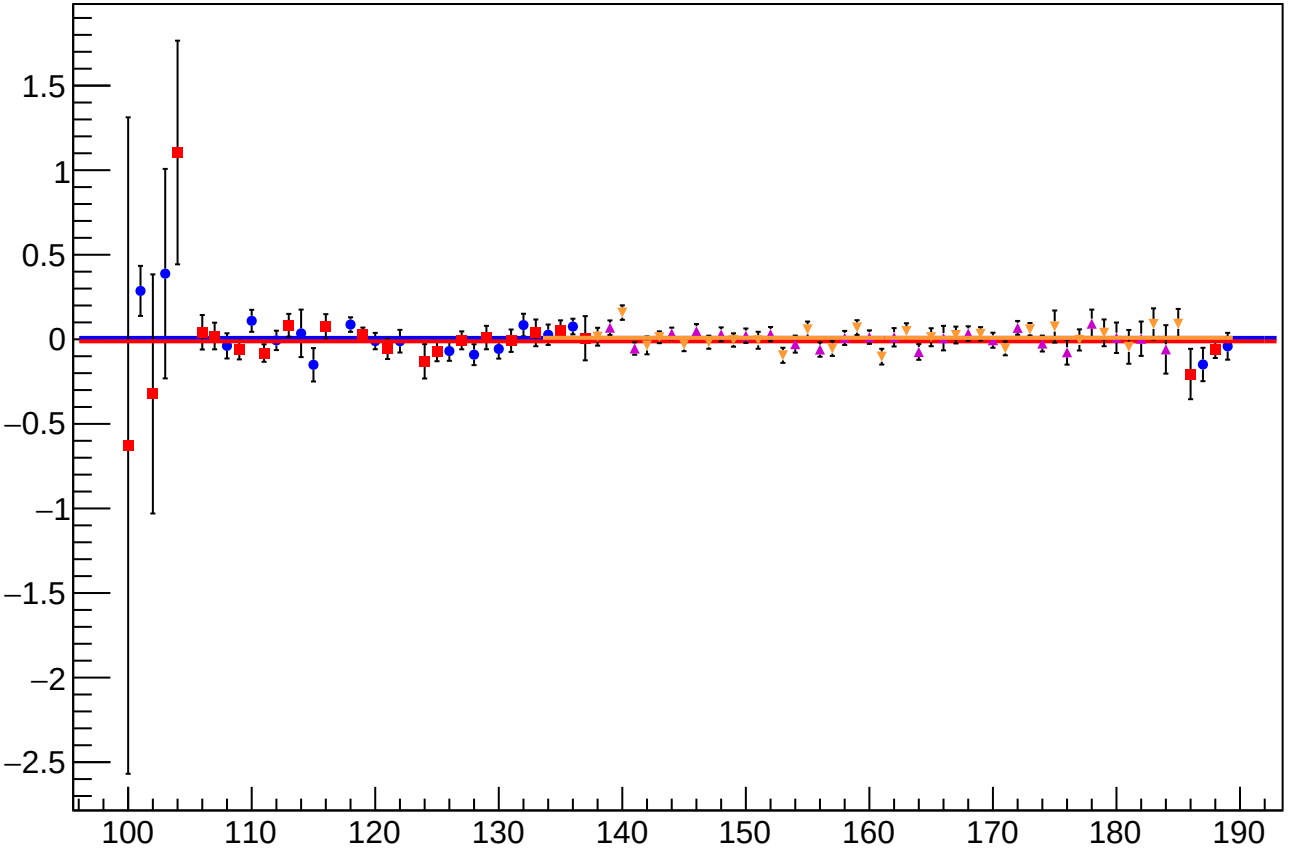
Left In: 0.000+/-0.000 χ^2/NDF:2209676.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 4699436.8/42

All: 0.000+/-0.000 χ^2/NDF: 10501485.5/86

- sign 0.000+/-0.000 χ^2/NDF: 5782127.3/43

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.008+/-0.015 χ^2/NDF: 25.1/17

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.012+/-0.015 χ^2/NDF: 17.6/20

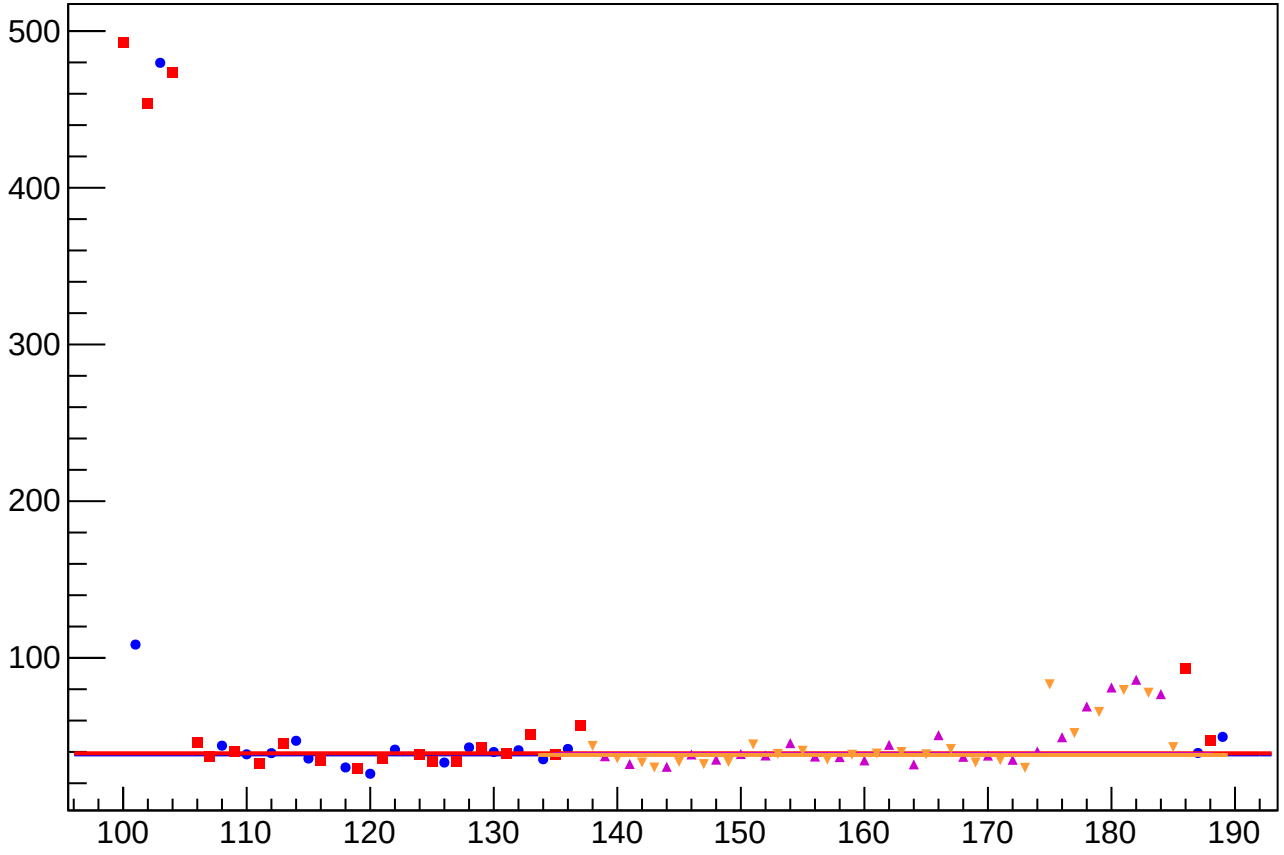
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.009+/-0.008 χ^2/NDF: 63.7/42

All: 0.005+/-0.006 χ^2/NDF: 101.7/86

- sign 0.002+/-0.008 χ^2/NDF: 37.7/43

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 38.417+/-0.011 χ^2/NDF: 1781353.5/17

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

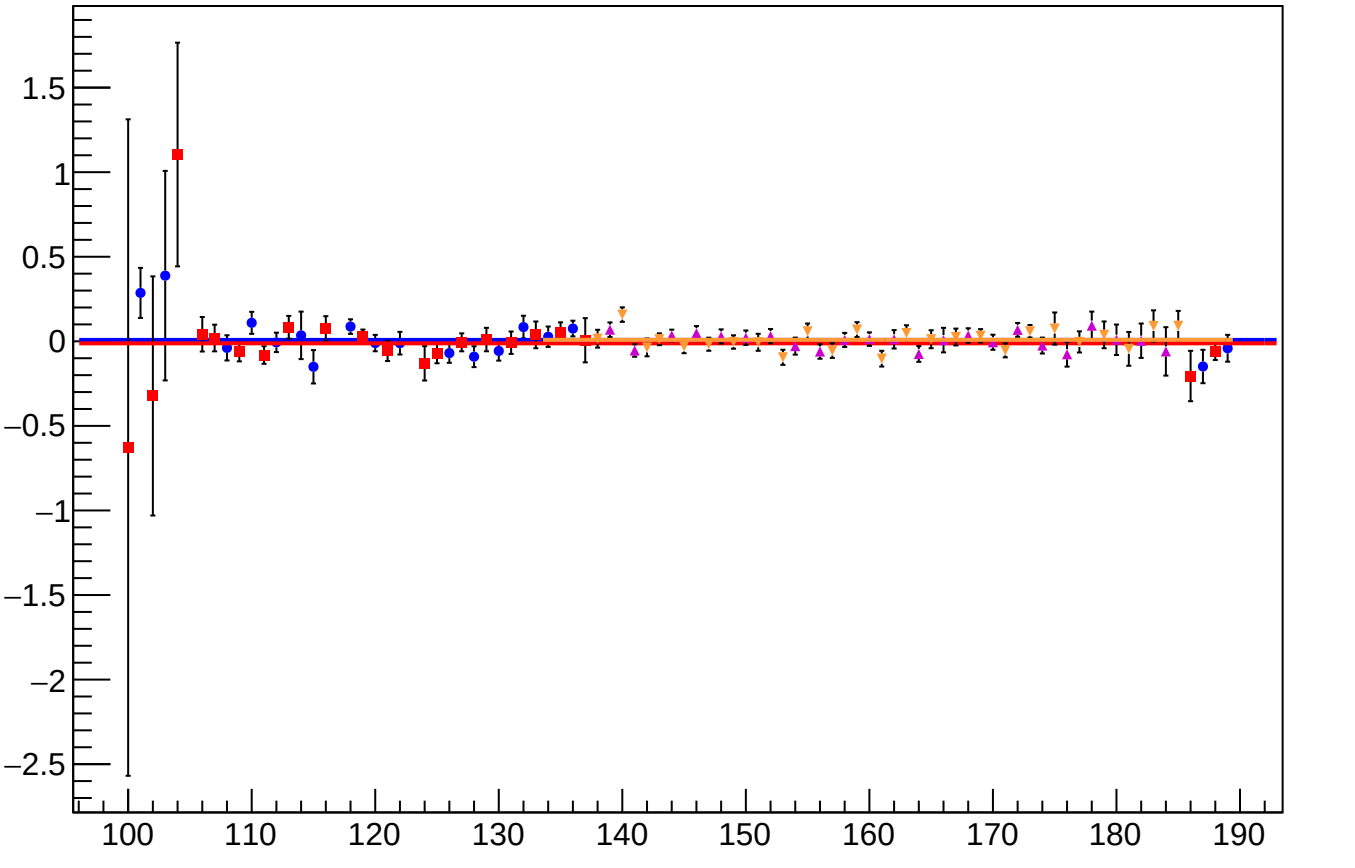
Right Out: 39.124+/-0.011 χ^2/NDF: 2276858.8/20

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

\+ sign 38.164+/-0.006 χ^2/NDF: 3749209.6/42

All: 38.464+/-0.004 χ^2/NDF: 7760760.8/86

\- sign 38.777+/-0.006 χ^2/NDF: 4006000.1/43



Right In: 0.008+/-0.015 χ^2/NDF: 25.1/17

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.012+/-0.015 χ^2/NDF: 17.6/20

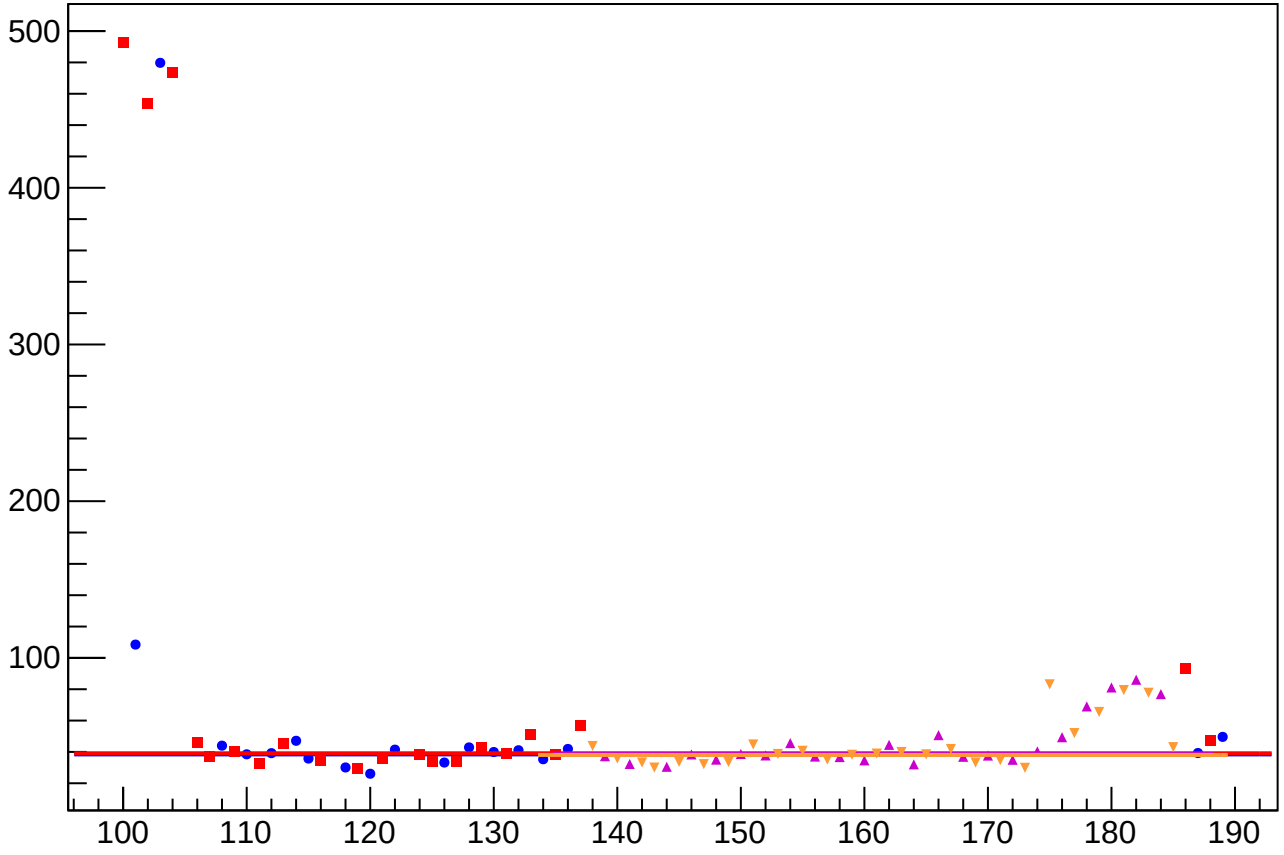
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.009+/-0.008 χ^2/NDF: 63.7/42

All: 0.005+/-0.006 χ^2/NDF: 101.7/86

- sign 0.002+/-0.008 χ^2/NDF: 37.7/43

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 38.417+/-0.011 χ^2/NDF: 1781353.5/17

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

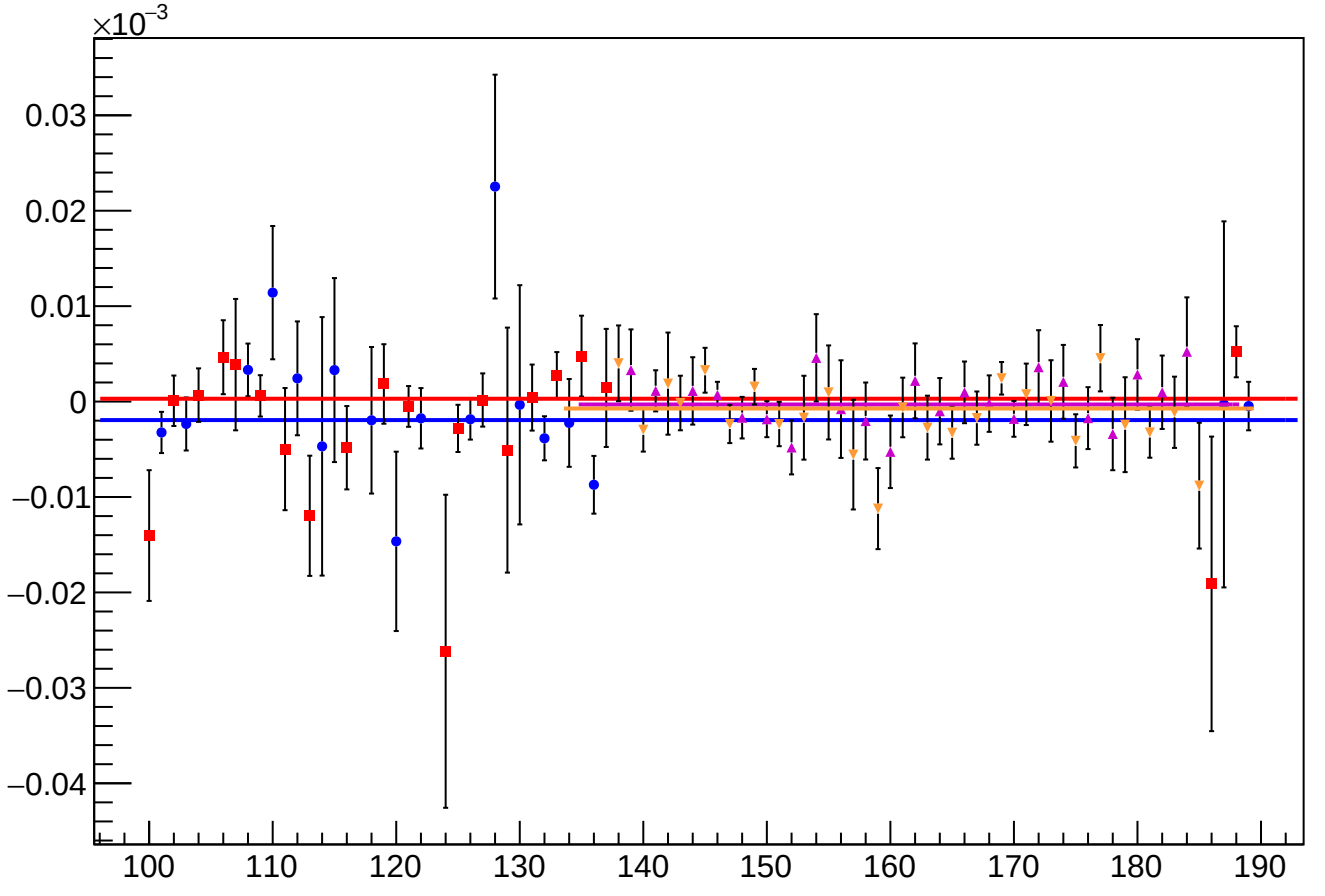
Right Out: 39.124+/-0.011 χ^2/NDF: 2276858.8/20

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

\+ sign 38.164+/-0.006 χ^2/NDF: 3749209.6/42

All: 38.464+/-0.004 χ^2/NDF: 7760760.8/86

\- sign 38.777+/-0.006 χ^2/NDF: 4006000.1/43



Right In: -0.000+/-0.000 χ^2/NDF: 20.8/17

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/24

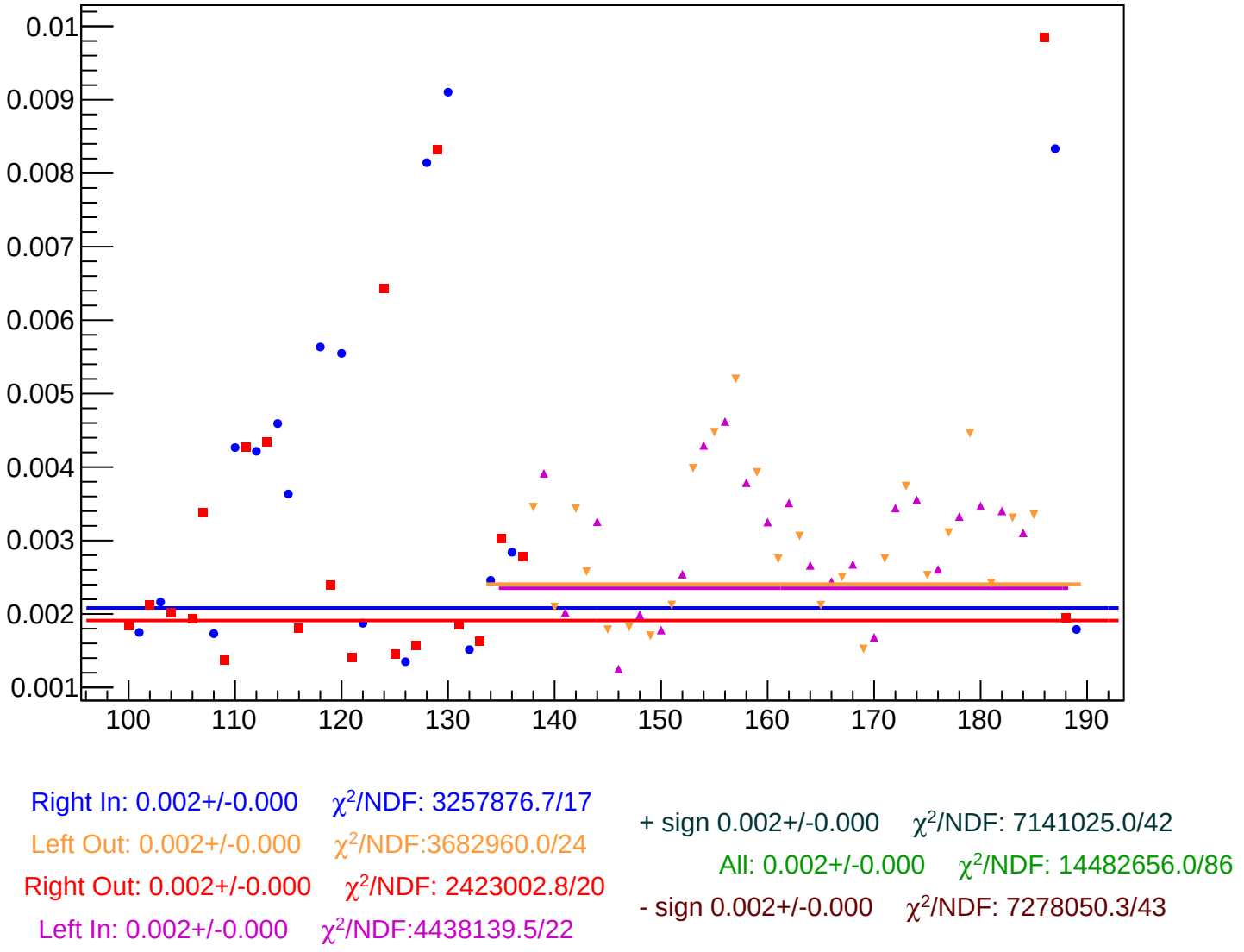
Right Out: 0.000+/-0.000 χ^2/NDF: 23.6/20

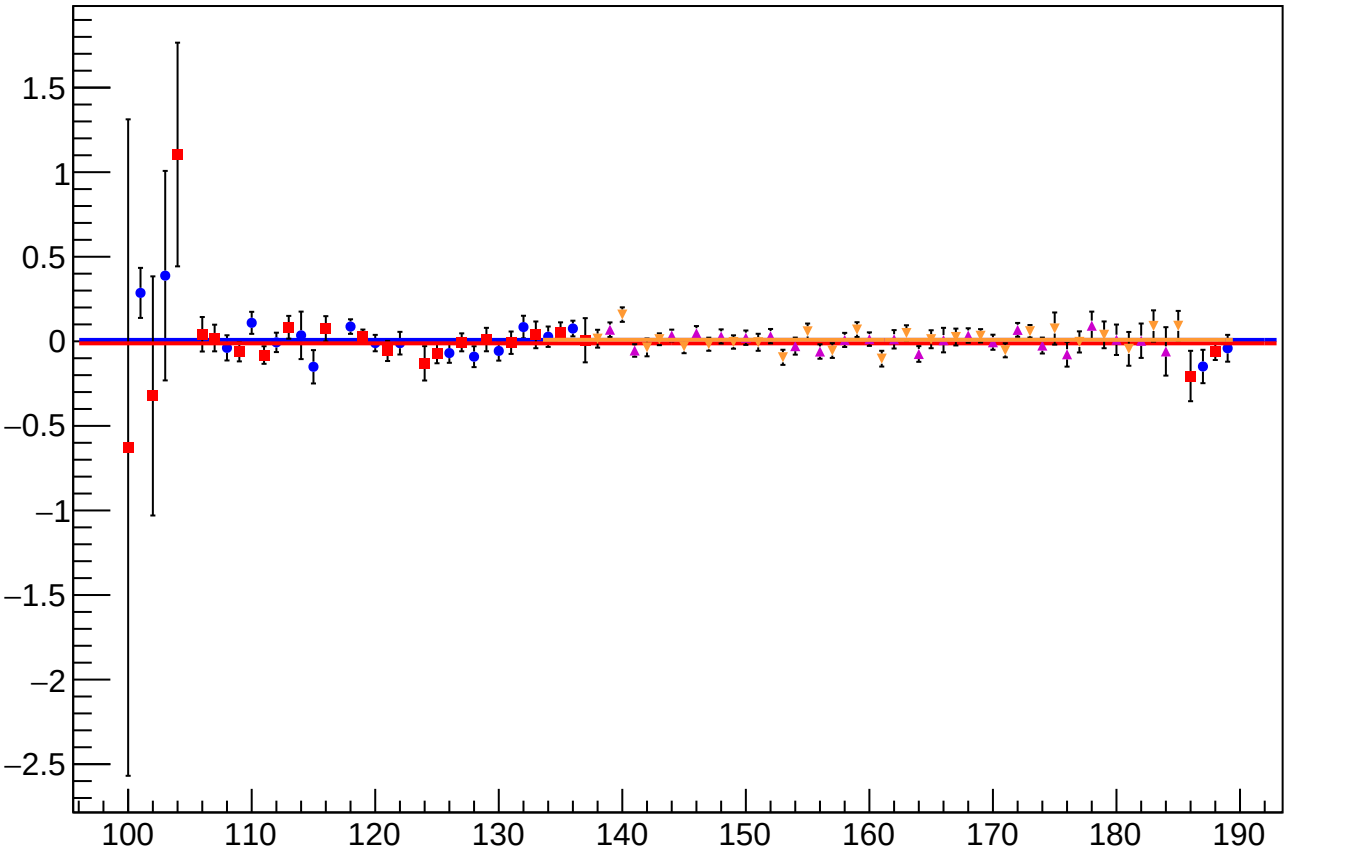
Left In: -0.000+/-0.000 χ^2/NDF:13.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.7/42

All: -0.000+/-0.000 χ^2/NDF: 88.9/86

- sign -0.000+/-0.000 χ^2/NDF: 37.7/43


asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
170
180
190
Right In: 0.002+/-0.000 χ²/NDF: 3257876.7/17
Left Out: 0.002+/-0.000 χ²/NDF:3682960.0/24
Right Out: 0.002+/-0.000 χ²/NDF: 2423002.8/20
Left In: 0.002+/-0.000 χ²/NDF:4438139.5/22
+ sign 0.002+/-0.000 χ²/NDF: 7141025.0/42
All: 0.002+/-0.000 χ²/NDF: 14482656.0/86
- sign 0.002+/-0.000 χ²/NDF: 7278050.3/43



Right In: 0.008+/-0.015 χ^2/NDF: 25.1/17

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.012+/-0.015 χ^2/NDF: 17.6/20

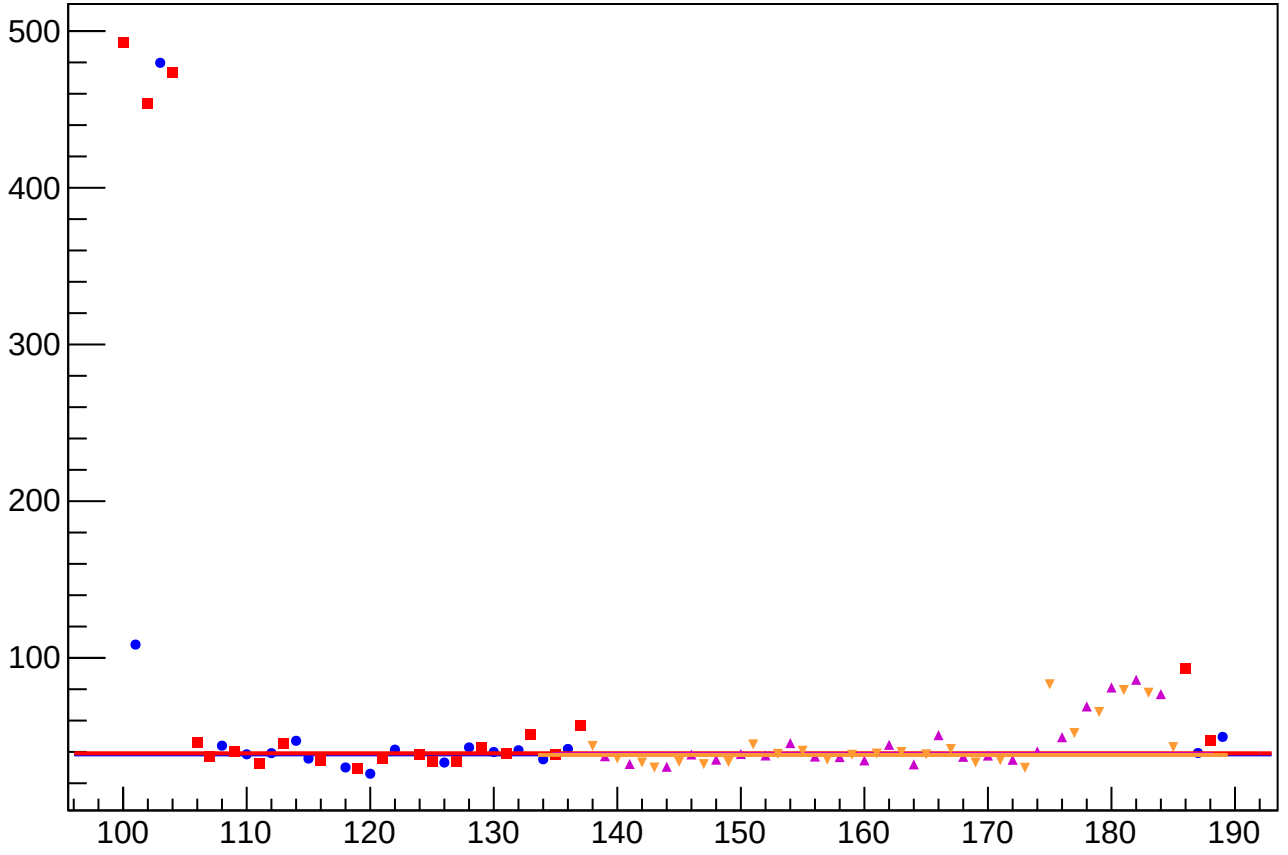
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.009+/-0.008 χ^2/NDF: 63.7/42

All: 0.005+/-0.006 χ^2/NDF: 101.7/86

- sign 0.002+/-0.008 χ^2/NDF: 37.7/43

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 38.416+/-0.011 χ^2/NDF: 1781368.0/17

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

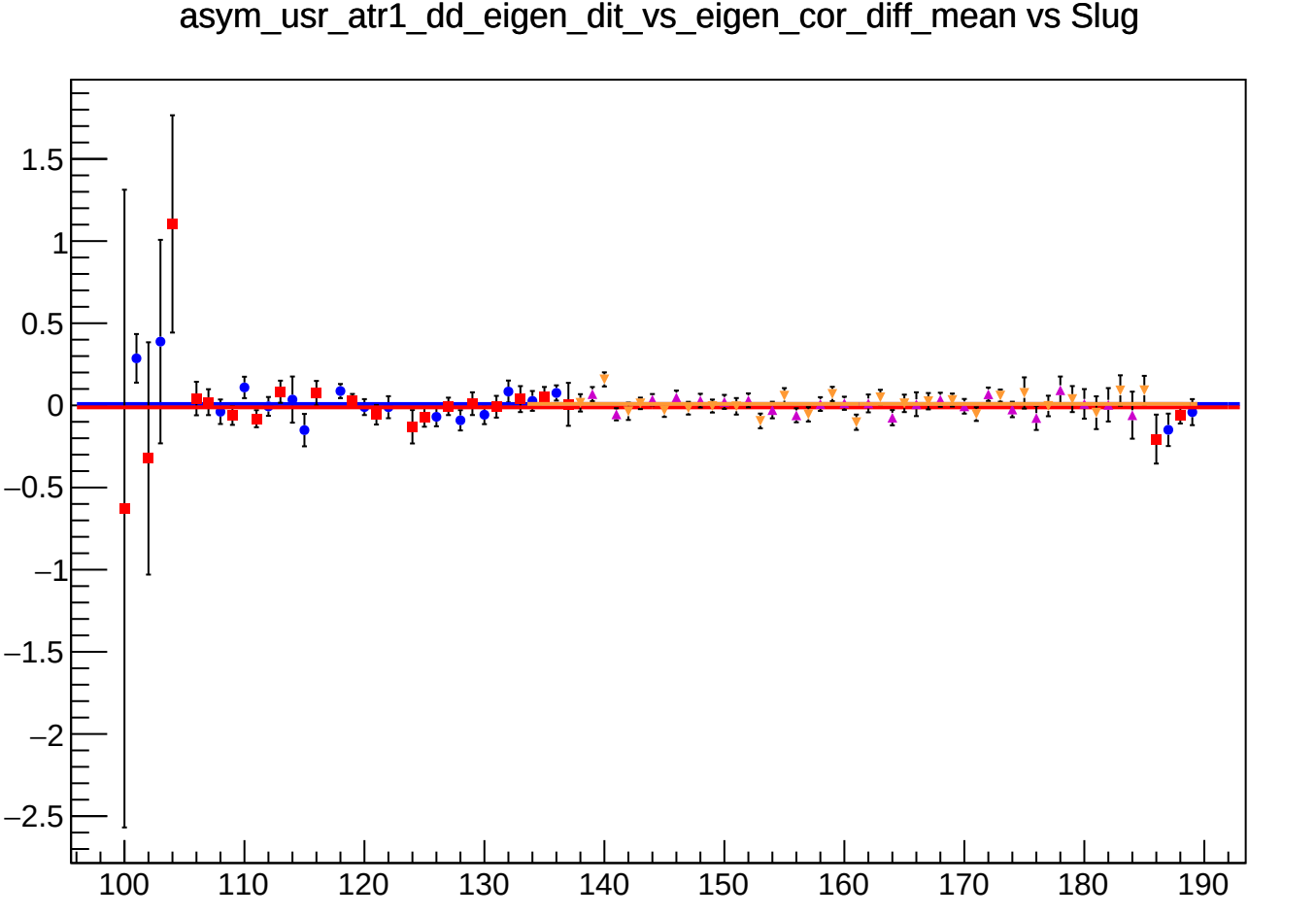
Right Out: 39.122+/-0.011 χ^2/NDF: 2276944.1/20

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

\+ sign 38.164+/-0.006 χ^2/NDF: 3749217.8/42

All: 38.464+/-0.004 χ^2/NDF: 7760876.8/86

\- sign 38.776+/-0.006 χ^2/NDF: 4006114.0/43



Right In: 0.008+/-0.015 χ^2/NDF: 25.1/17

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

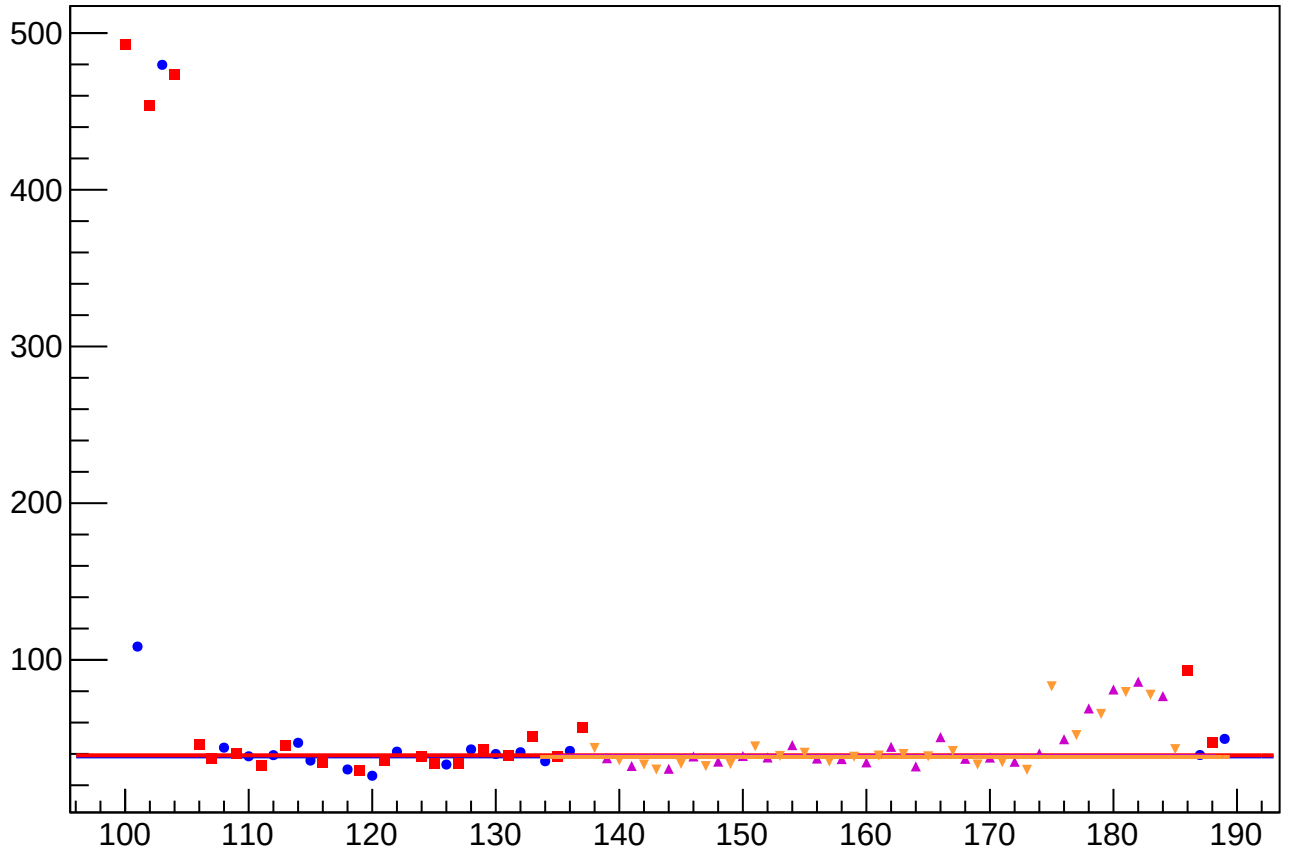
Right Out: -0.012+/-0.015 χ^2/NDF: 17.6/20

Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.009+/-0.008 χ^2/NDF: 63.7/42

All: 0.005+/-0.006 χ^2/NDF: 101.7/86

- sign 0.002+/-0.008 χ^2/NDF: 37.7/43



Right In: 38.416+/-0.011 χ^2/NDF: 1781368.0/17

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

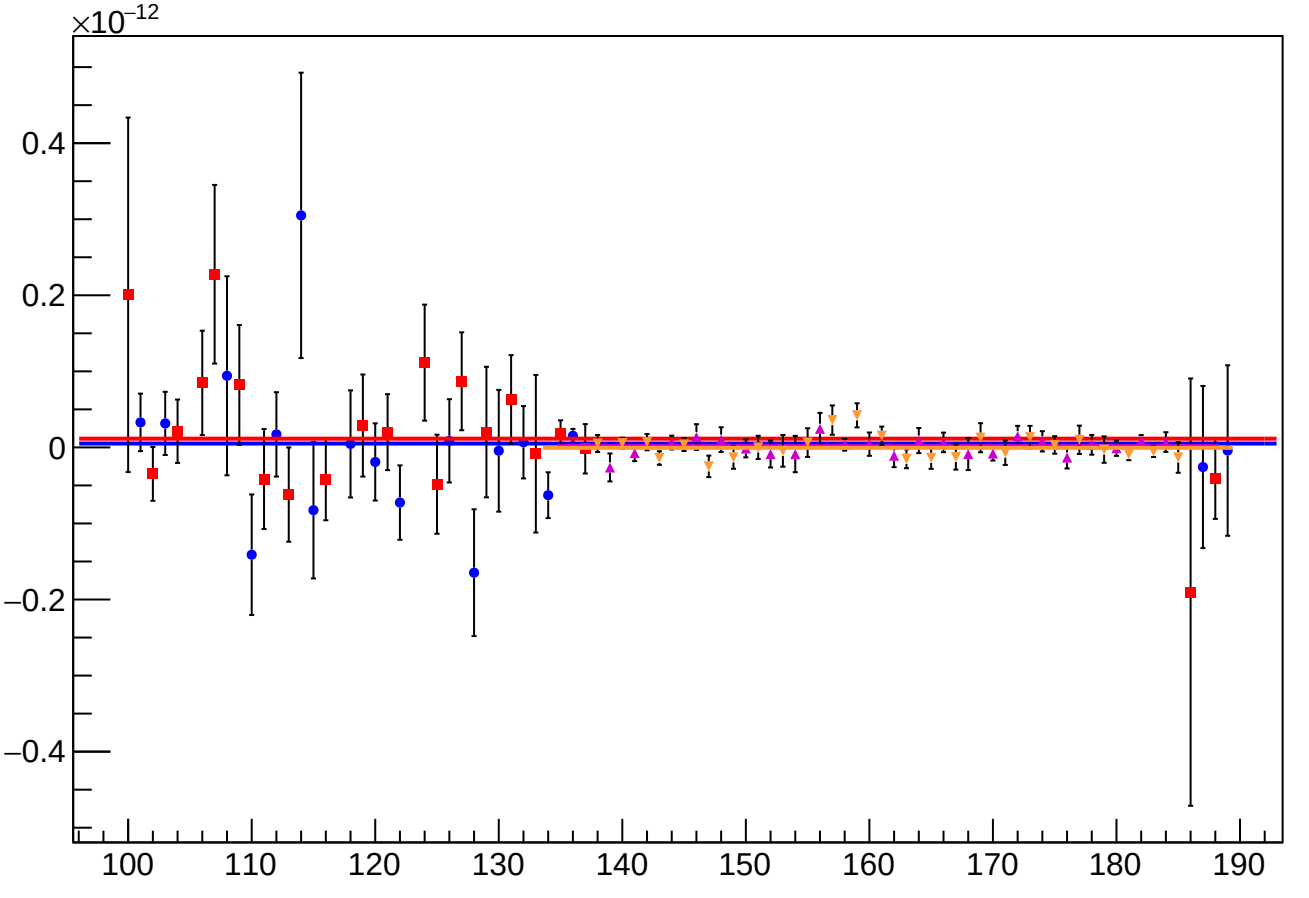
Right Out: 39.122+/-0.011 χ^2/NDF: 2276944.1/20

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

\+ sign 38.164+/-0.006 χ^2/NDF: 3749217.8/42

All: 38.464+/-0.004 χ^2/NDF: 7760876.8/86

\- sign 38.776+/-0.006 χ^2/NDF: 4006114.0/43



Right In: 0.000+/-0.000 χ^2/NDF: 21.8/17

Left Out: -0.000+/-0.000 χ^2/NDF:26.9/24

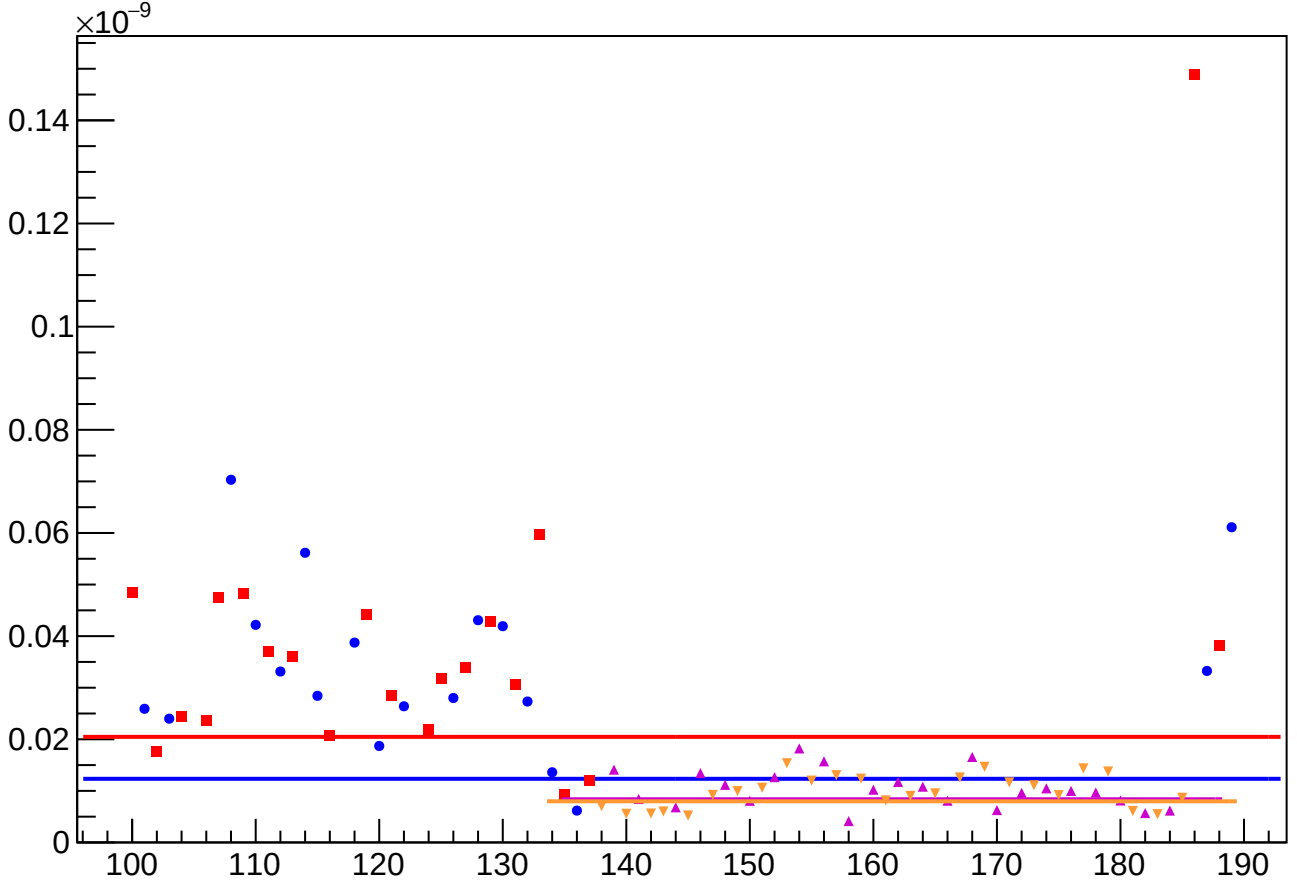
Right Out: 0.000+/-0.000 χ^2/NDF: 17.5/20

Left In: 0.000+/-0.000 χ^2/NDF:11.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.2/42

All: 0.000+/-0.000 χ^2/NDF: 79.6/86

- sign 0.000+/-0.000 χ^2/NDF: 30.0/43



Right In: 0.000+/-0.000 χ^2/NDF: 4328556.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:2831909.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3272448.6/20

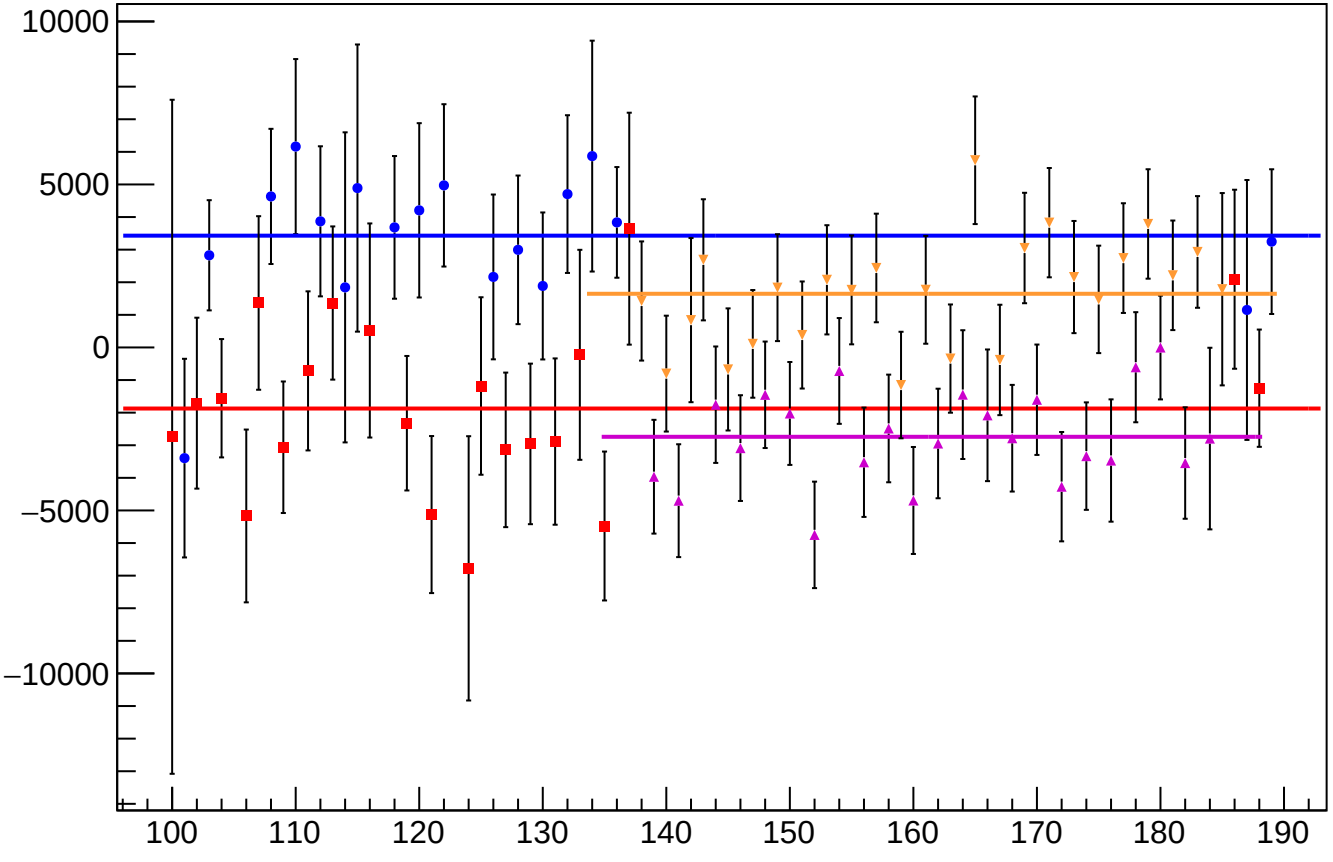
Left In: 0.000+/-0.000 χ^2/NDF:2786396.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 7769701.3/42

All: 0.000+/-0.000 χ^2/NDF: 16484171.5/86

- sign 0.000+/-0.000 χ^2/NDF: 8630308.2/43

reg_asym_usr_atr2_avg_mean vs Slug



Right In: 3429.109+/-574.226 χ^2/NDF: 9.2/17

Left Out: 1646.402+/-349.758 χ^2/NDF:21.0/24

Right Out: -1873.553+/-547.358 χ^2/NDF: 17.5/20

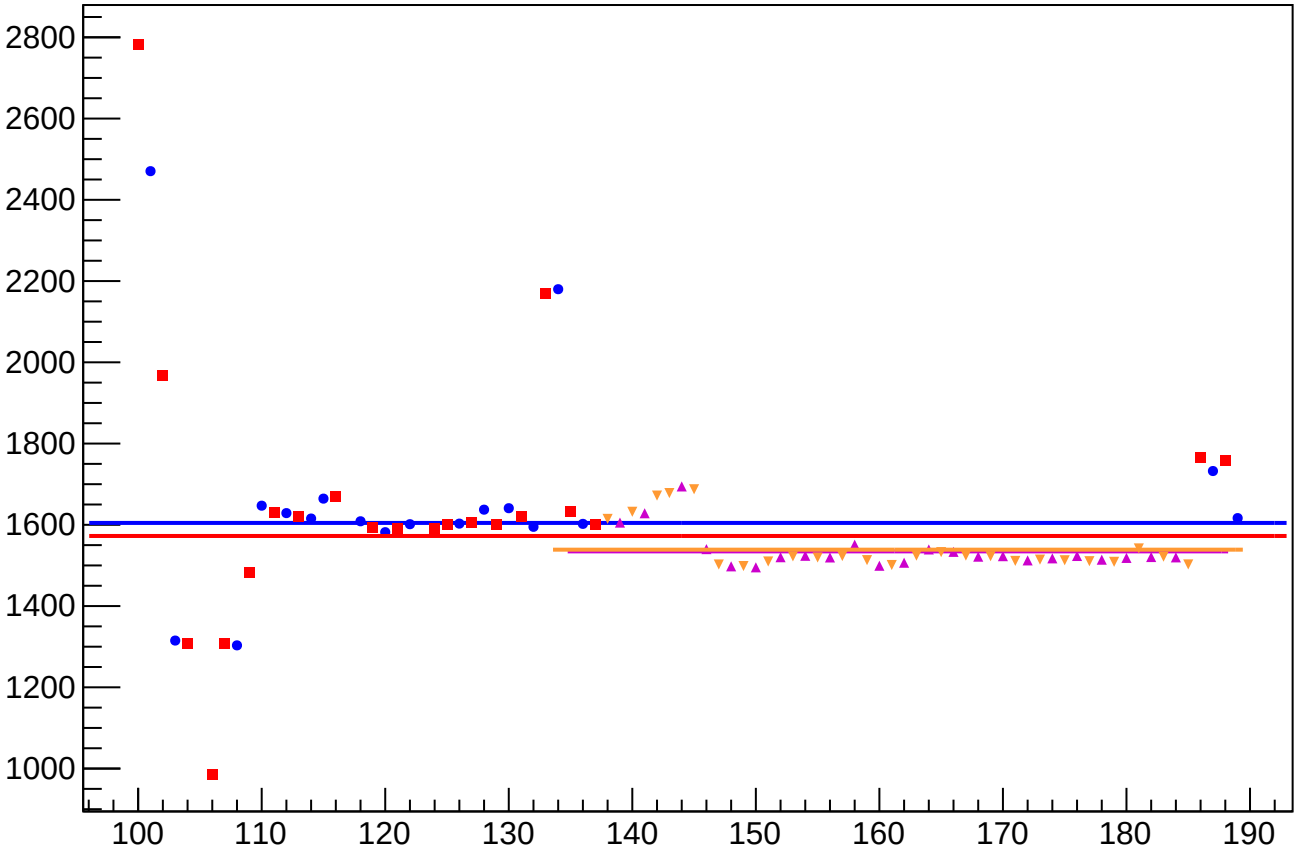
Left In: -2740.924+/-358.458 χ^2/NDF:16.4/22

+ sign 2128.809+/-298.710 χ^2/NDF: 37.2/42

All: -166.913+/-211.631 χ^2/NDF: 191.5/86

- sign -2480.583+/-299.875 χ^2/NDF: 35.7/43

reg_asym_usr_atr2_avg_rms vs Slug



Right In: 1604.656+/-0.406 χ^2/NDF: 319604.3/17

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

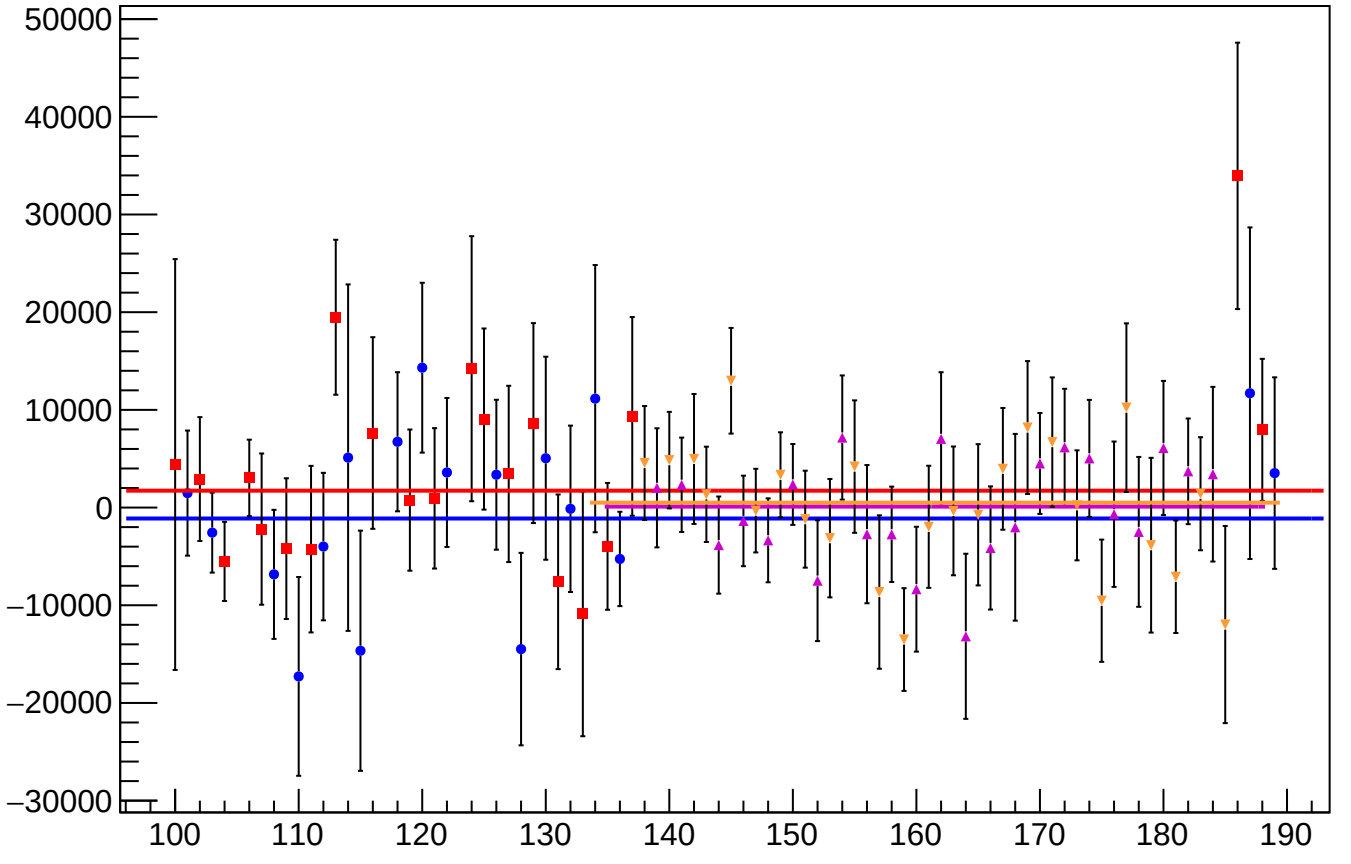
Right Out: 1572.535+/-0.381 χ^2/NDF: 411970.7/20

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1556.628+/-0.211 χ^2/NDF: 385842.4/42

All: 1551.426+/-0.149 χ^2/NDF: 837002.0/86

- sign 1546.230+/-0.211 χ^2/NDF: 449947.4/43



Right In: -1119.759+/-1805.972 χ^2/NDF: 14.7/17

Left Out: 503.846+/-1187.304 χ^2/NDF:26.8/24

Right Out: 1729.546+/-1615.483 χ^2/NDF: 21.9/20

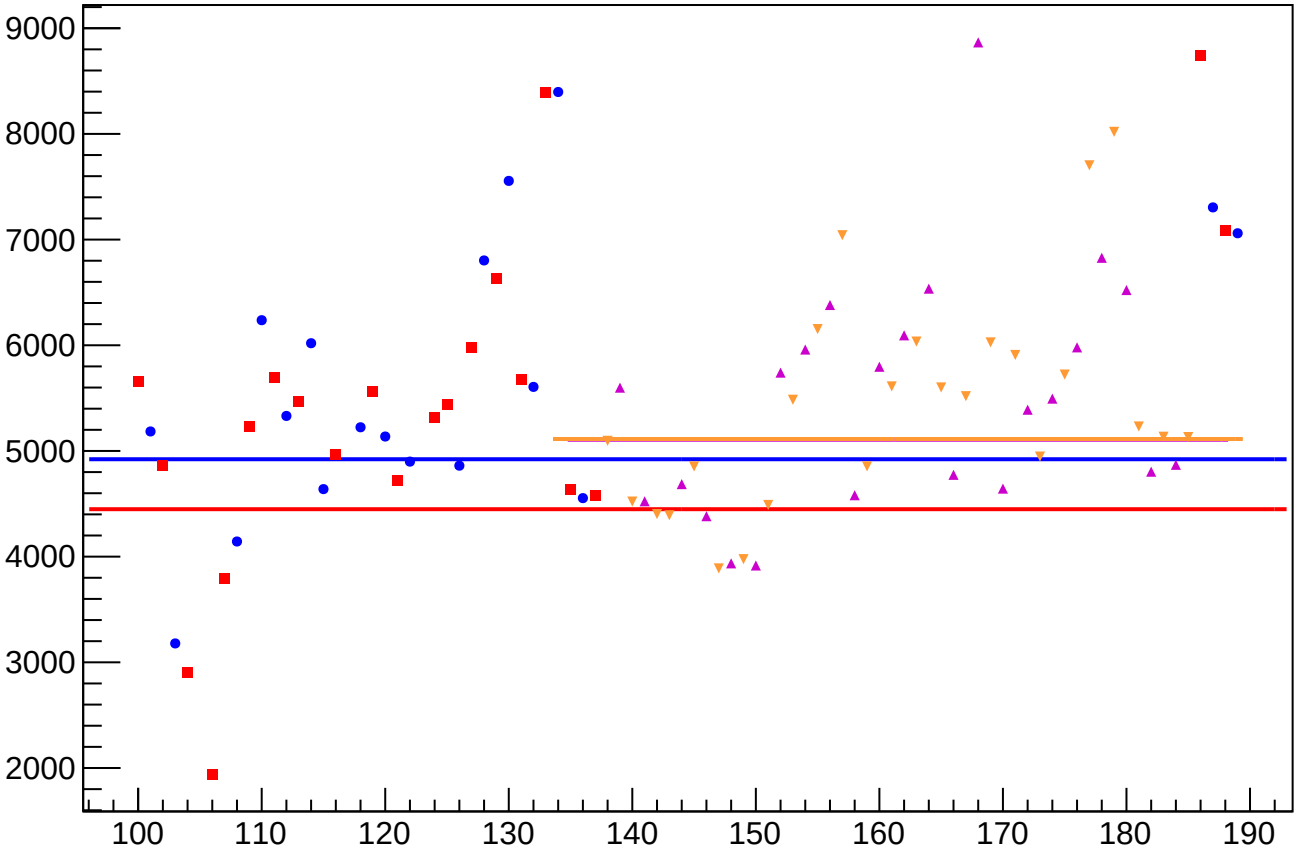
Left In: 97.910+/-1217.585 χ^2/NDF:14.9/22

+ sign 13.872+/-992.105 χ^2/NDF: 42.0/42

All: 358.228+/-694.431 χ^2/NDF: 79.7/86

- sign 689.001+/-972.340 χ^2/NDF: 37.4/43

asym_usr_atr2_avg_reg_correction_rms vs Slug



Right In: 4921.624+/-1.277 χ^2/NDF: 936394.2/17

Left Out: 5112.954+/-0.840 χ^2/NDF:1159010.4/24

Right Out: 4448.946+/-1.142 χ^2/NDF: 2174453.7/20

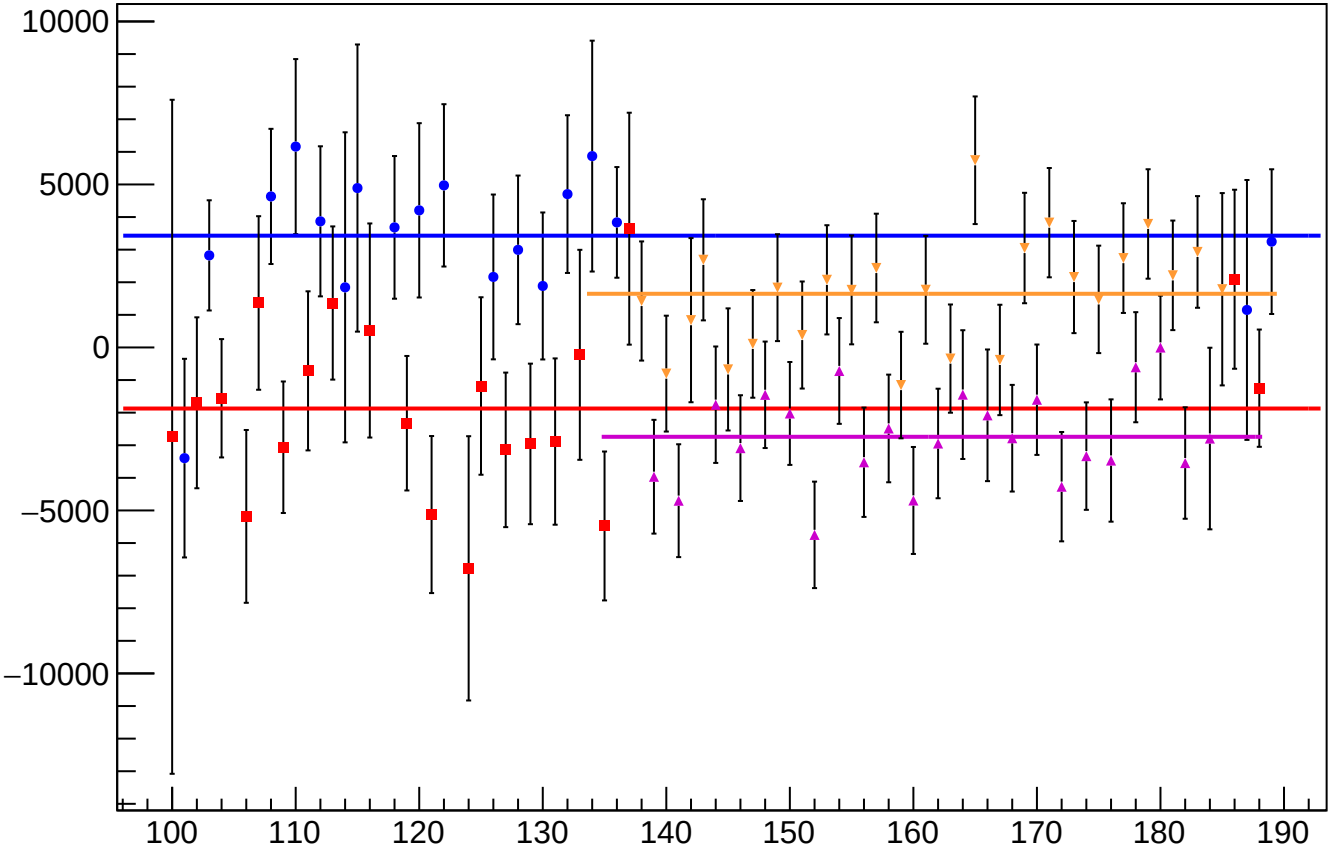
Left In: 5106.386+/-0.861 χ^2/NDF:1251622.3/22

+ sign 5055.214+/-0.702 χ^2/NDF: 2111078.0/42

All: 4959.834+/-0.491 χ^2/NDF: 5784635.5/86

- sign 4868.216+/-0.688 χ^2/NDF: 3637315.5/43

cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3428.822+/-574.226 χ^2/NDF: 9.2/17

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: -1873.506+/-547.361 χ^2/NDF: 17.5/20

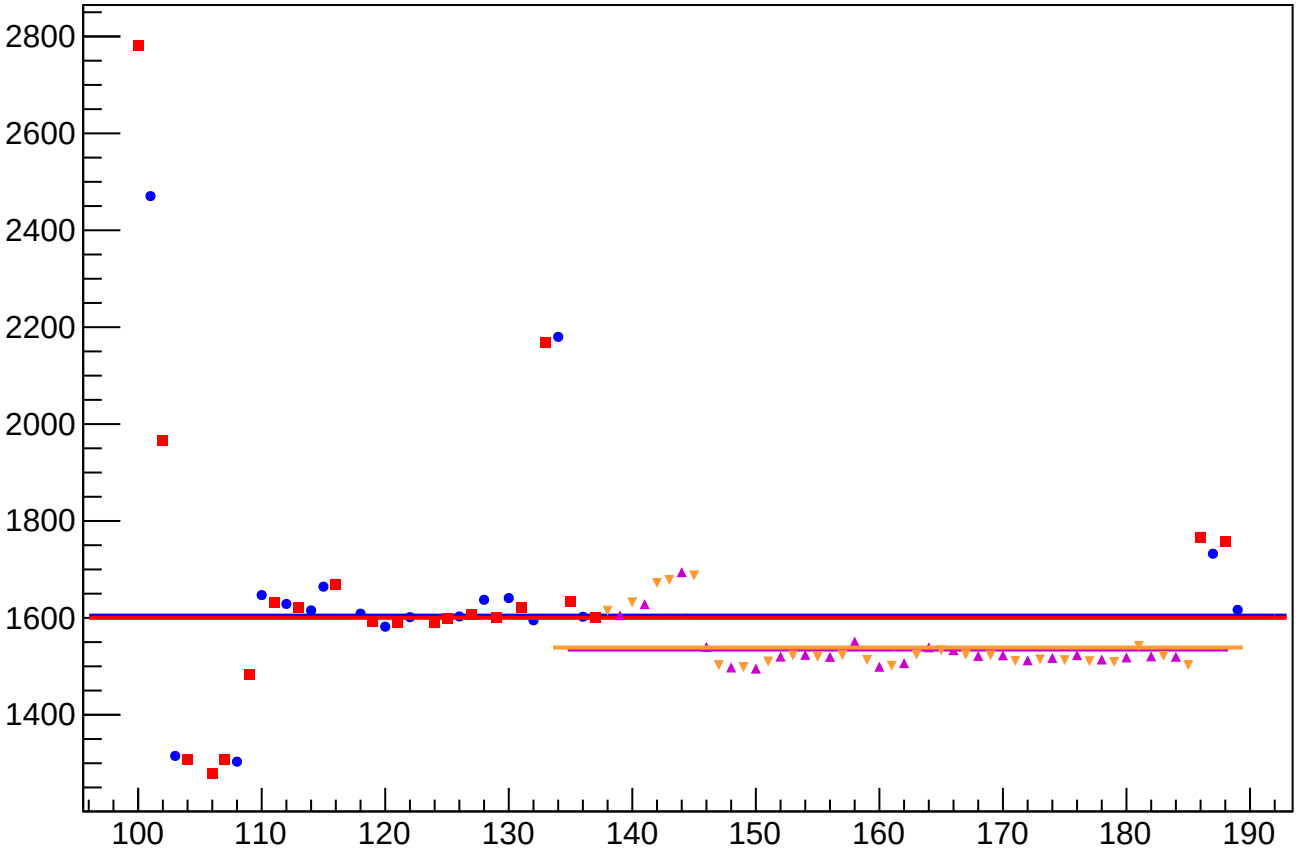
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2128.653+/-298.710 χ^2/NDF: 37.2/42

All: -166.948+/-211.631 χ^2/NDF: 191.5/86

- sign -2480.502+/-299.876 χ^2/NDF: 35.7/43

cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1604.656+/-0.406 χ^2/NDF: 319603.4/17

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1600.168+/-0.386 χ^2/NDF: 269504.2/20

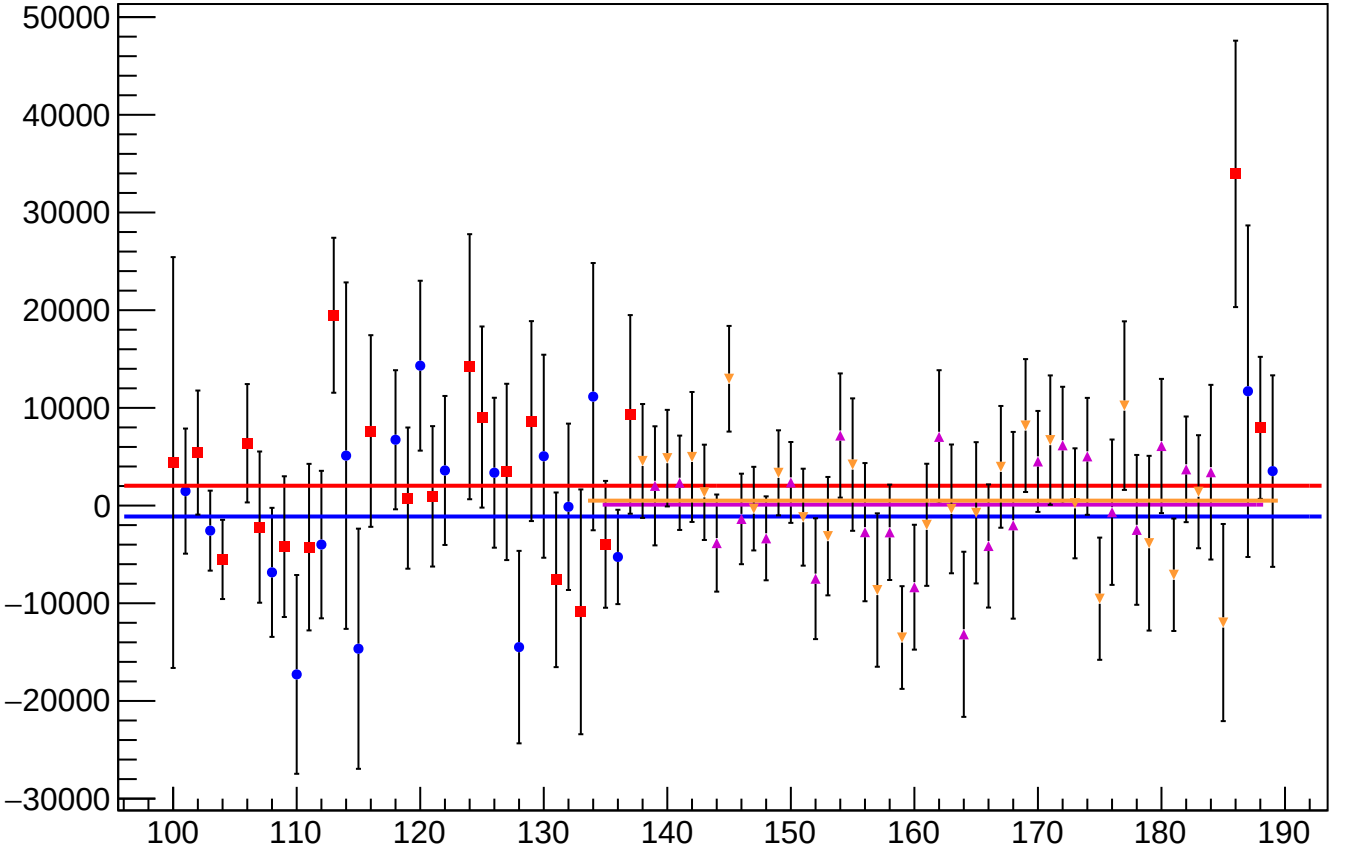
Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1556.628+/-0.211 χ^2/NDF: 385841.6/42

All: 1555.510+/-0.150 χ^2/NDF: 706695.1/86

- sign 1554.385+/-0.212 χ^2/NDF: 320797.2/43

asym_usr_atr2_avg_cor_correction_mean vs Slug



Right In: -1119.979+/-1806.007 χ^2/NDF: 14.7/17

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: 2030.543+/-1702.111 χ^2/NDF: 22.6/20

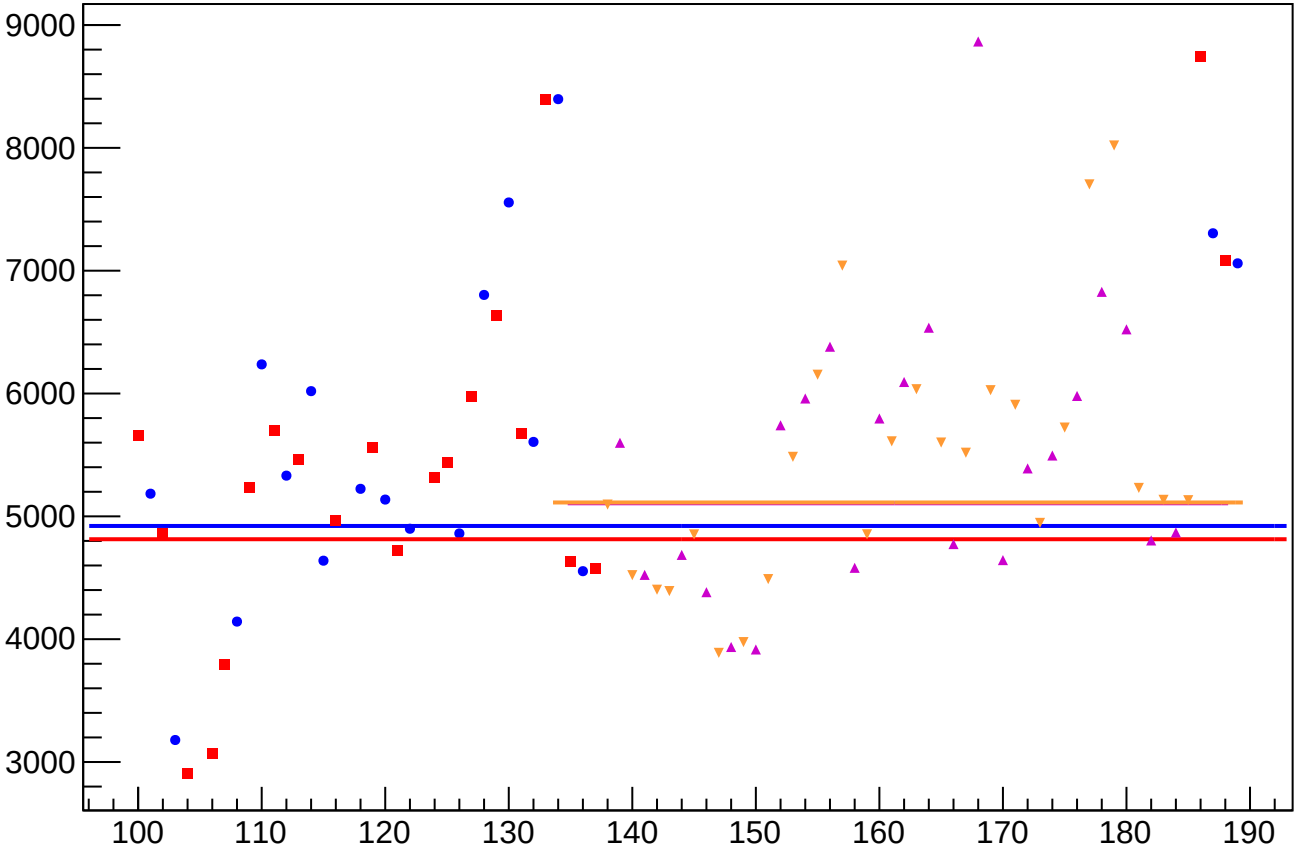
Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

\+ sign 13.822+/-992.110 χ^2/NDF: 42.0/42

All: 383.643+/-700.885 χ^2/NDF: 80.7/86

\- sign 752.113+/-990.296 χ^2/NDF: 38.4/43

asym_usr_atr2_avg_cor_correction_rms vs Slug



Right In: 4921.758+/-1.277 χ^2/NDF: 936181.0/17

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 4813.735+/-1.204 χ^2/NDF: 1365144.3/20

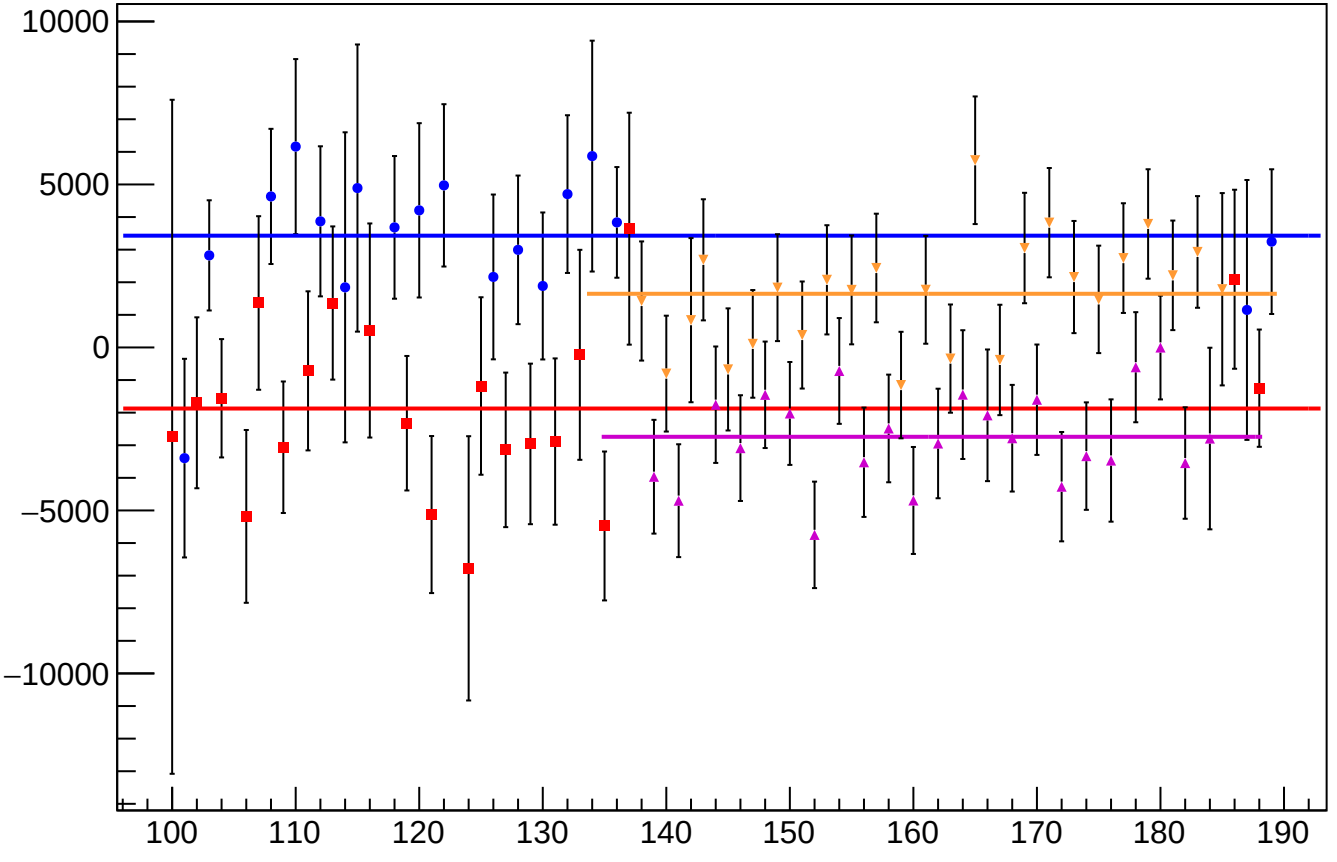
Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

+ sign 5055.251+/-0.702 χ^2/NDF: 2110854.0/42

All: 5031.243+/-0.496 χ^2/NDF: 4769068.6/86

- sign 5007.323+/-0.700 χ^2/NDF: 2655876.5/43

eigen_cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3428.822+/-574.226 χ^2/NDF: 9.2/17

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: -1873.506+/-547.361 χ^2/NDF: 17.5/20

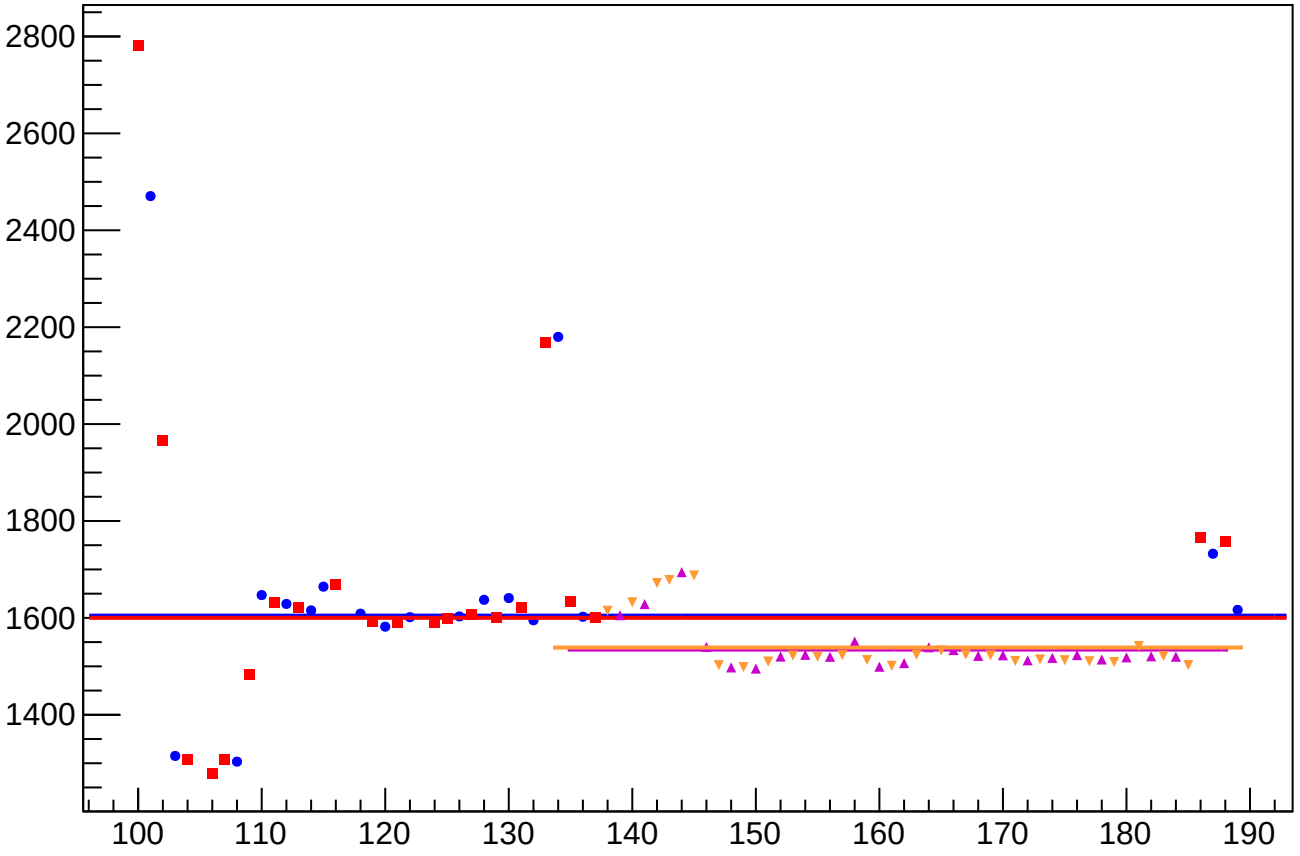
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2128.653+/-298.710 χ^2/NDF: 37.2/42

All: -166.948+/-211.631 χ^2/NDF: 191.5/86

- sign -2480.502+/-299.876 χ^2/NDF: 35.7/43

eigen_cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1604.656+/-0.406 χ^2/NDF: 319603.4/17

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

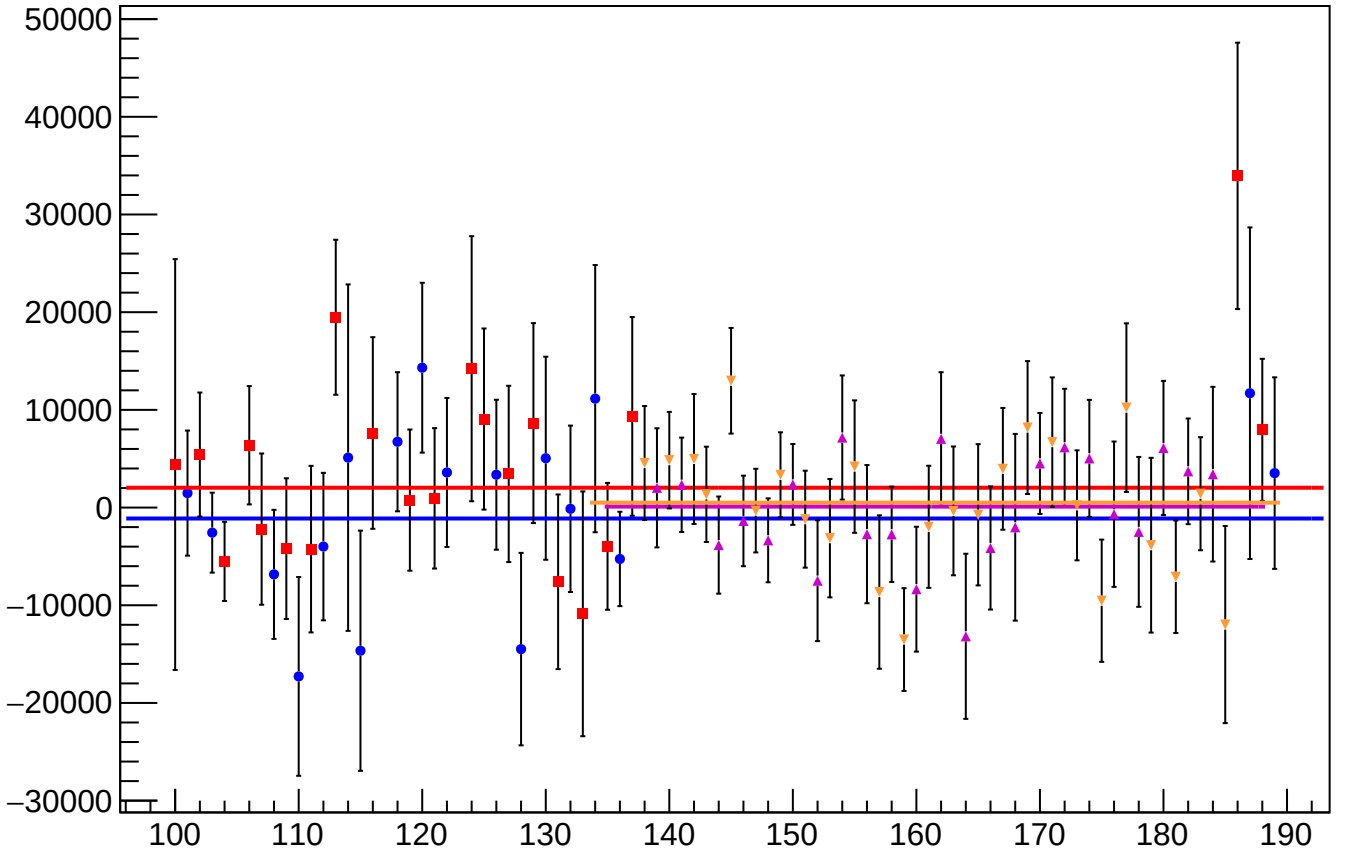
Right Out: 1600.168+/-0.386 χ^2/NDF: 269504.2/20

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1556.628+/-0.211 χ^2/NDF: 385841.6/42

All: 1555.510+/-0.150 χ^2/NDF: 706695.1/86

- sign 1554.385+/-0.212 χ^2/NDF: 320797.2/43



Right In: -1119.979+/-1806.007 χ^2/NDF: 14.7/17

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

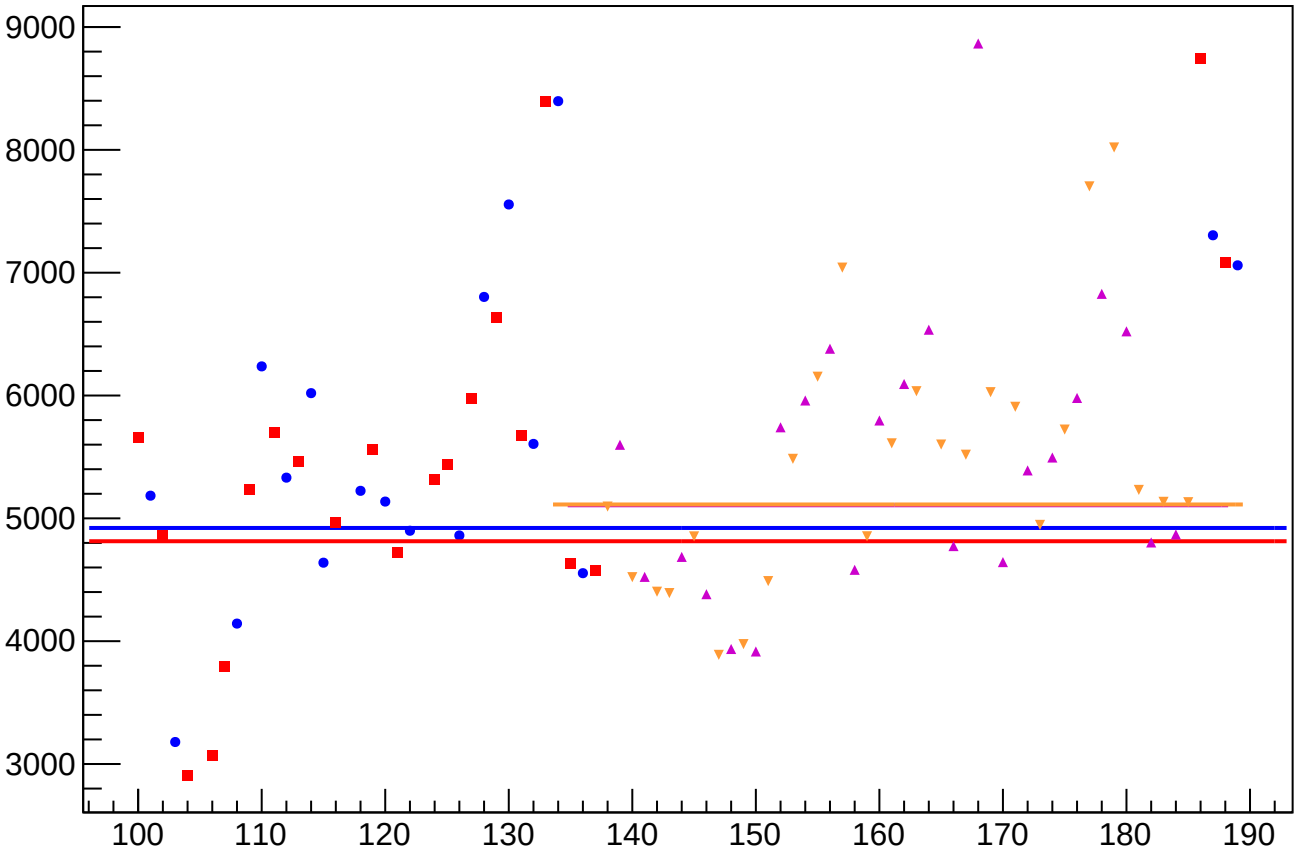
Right Out: 2030.543+/-1702.111 χ^2/NDF: 22.6/20

Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

\+ sign 13.822+/-992.110 χ^2/NDF: 42.0/42

All: 383.643+/-700.885 χ^2/NDF: 80.7/86

\- sign 752.113+/-990.296 χ^2/NDF: 38.4/43



Right In: 4921.758+/-1.277 χ^2/NDF: 936181.0/17

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 4813.735+/-1.204 χ^2/NDF: 1365144.3/20

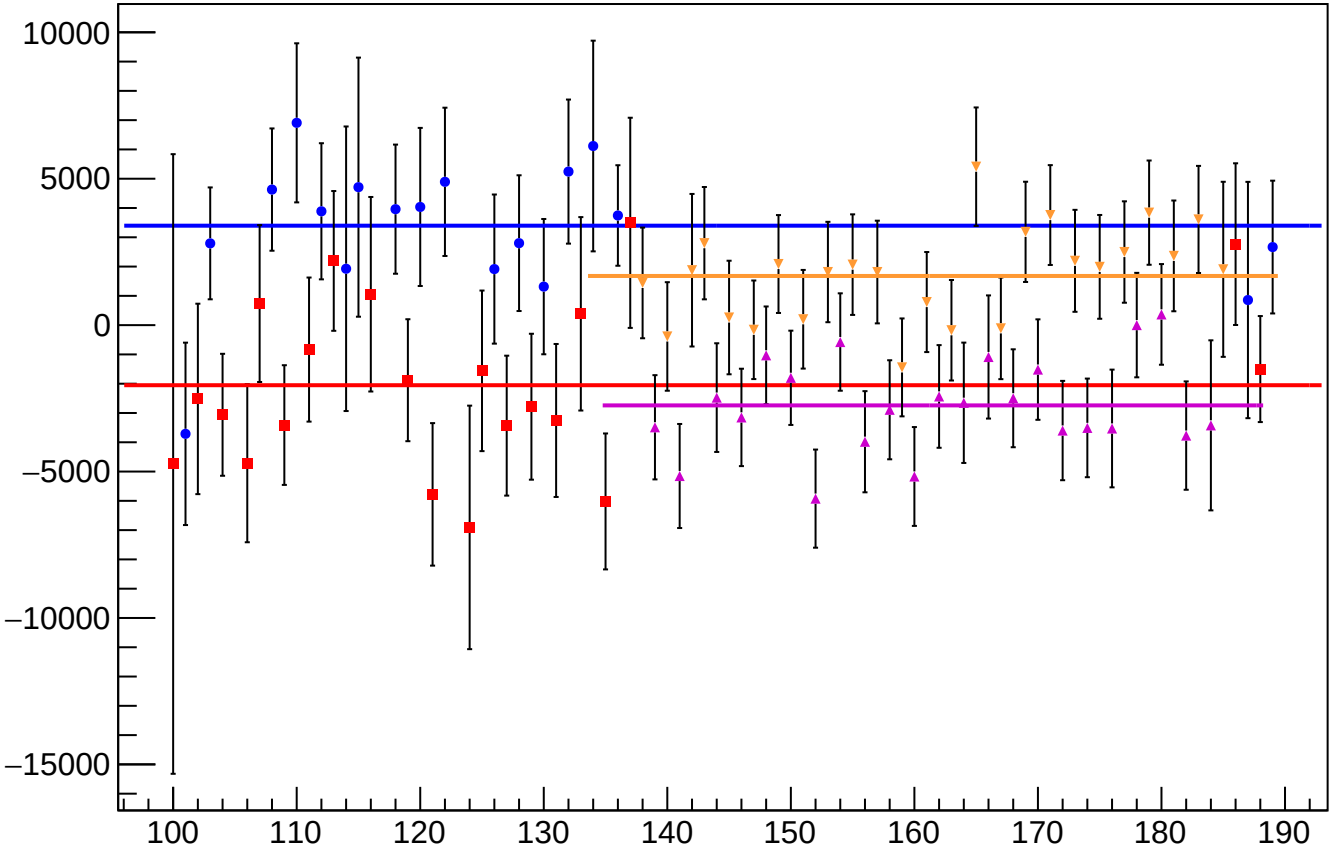
Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

+ sign 5055.251+/-0.702 χ^2/NDF: 2110854.0/42

All: 5031.243+/-0.496 χ^2/NDF: 4769068.6/86

- sign 5007.323+/-0.700 χ^2/NDF: 2655876.5/43

dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3396.178+/-588.728 χ^2/NDF: 10.9/17

Left Out: 1679.163+/-362.391 χ^2/NDF:19.0/24

Right Out: -2051.494+/-563.798 χ^2/NDF: 20.5/20

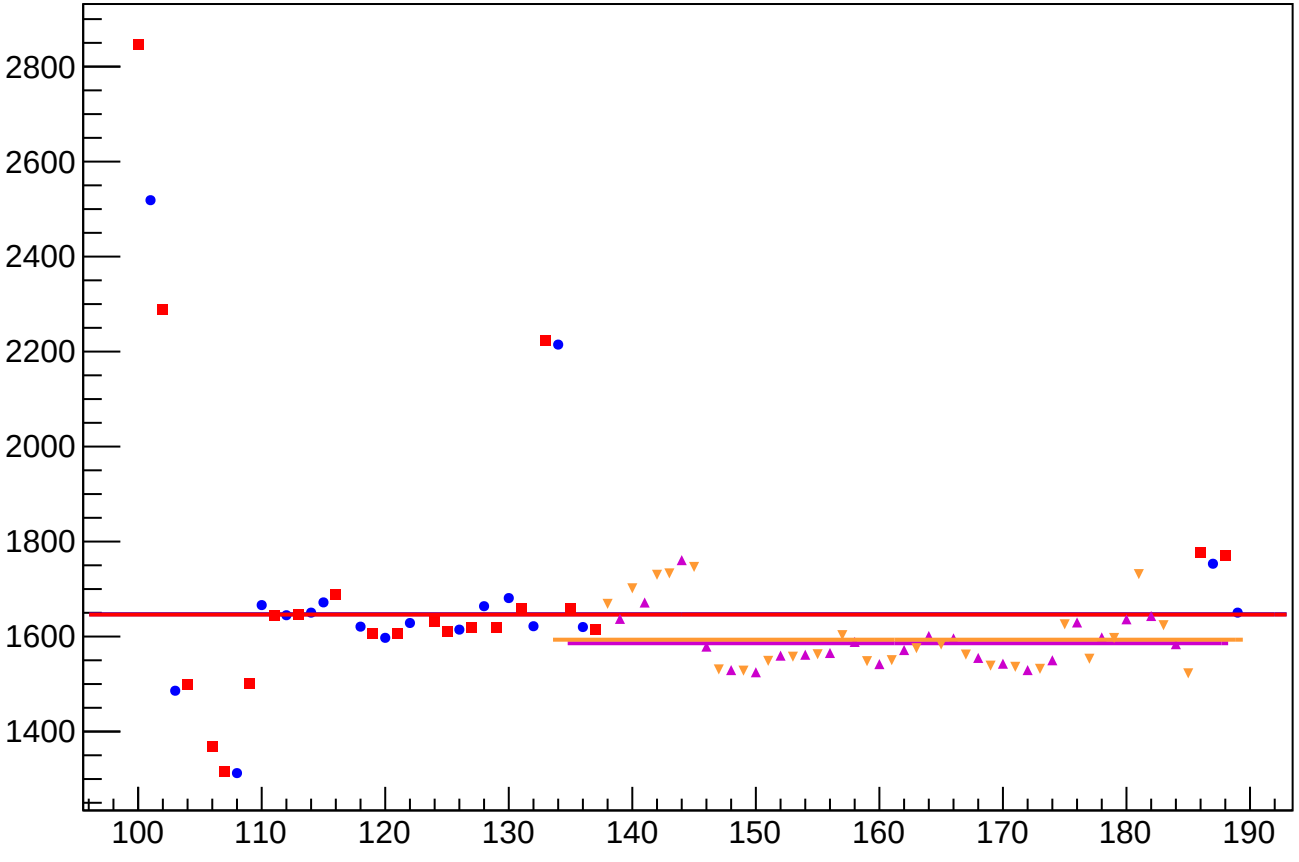
Left In: -2740.666+/-370.604 χ^2/NDF:19.2/22

+ sign 2150.973+/-308.611 χ^2/NDF: 36.0/42

All: -182.713+/-218.601 χ^2/NDF: 191.5/86

- sign -2532.730+/-309.689 χ^2/NDF: 40.7/43

dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1646.936+/-0.416 χ^2/NDF: 276251.8/17

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.4/24

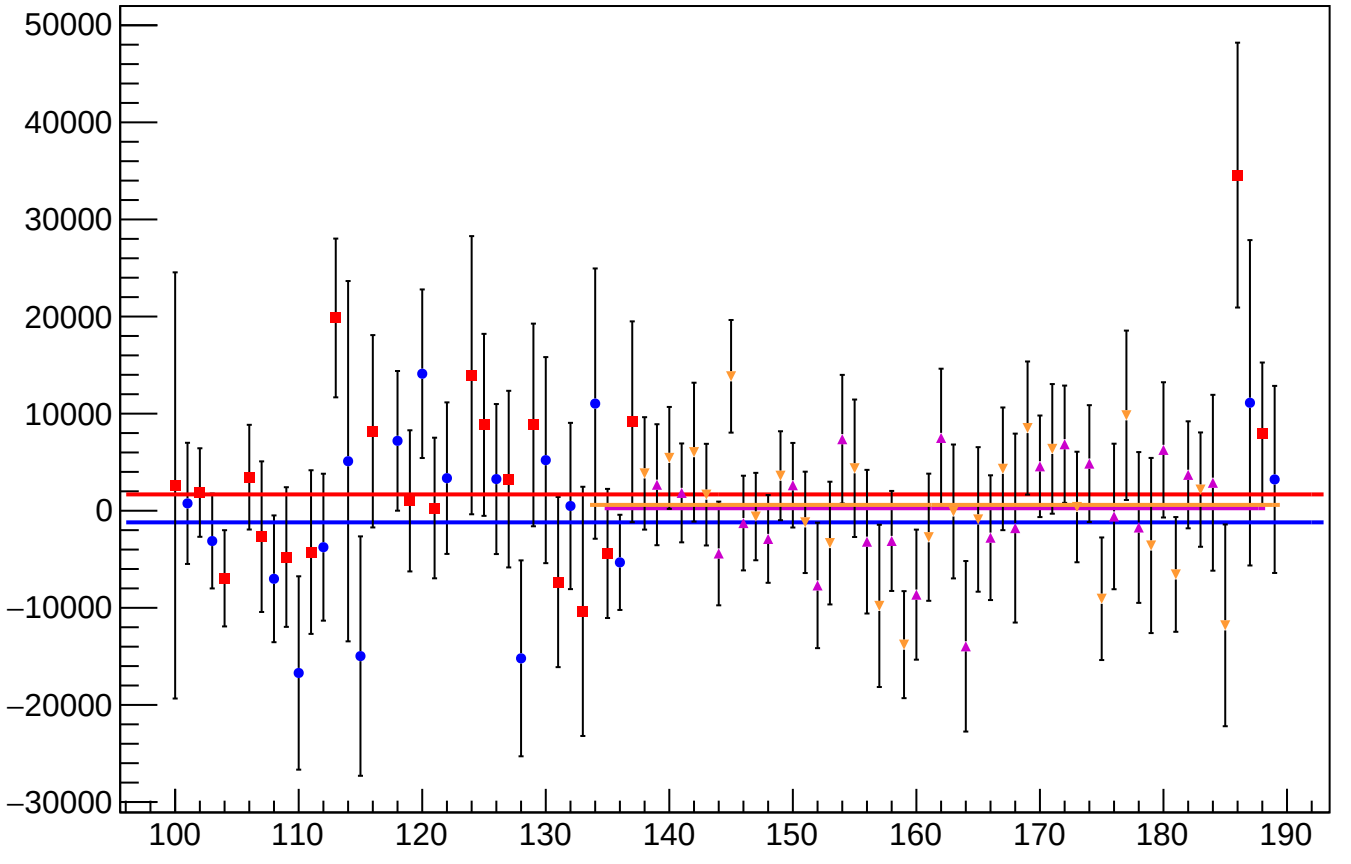
Right Out: 1646.323+/-0.398 χ^2/NDF: 253559.2/20

Left In: 1585.918+/-0.262 χ^2/NDF:41915.3/22

+ sign 1608.102+/-0.218 χ^2/NDF: 360127.6/42

All: 1606.139+/-0.155 χ^2/NDF: 671812.4/86

- sign 1604.163+/-0.219 χ^2/NDF: 311522.4/43



Right In: -1197.029+/-1865.454 χ^2/NDF: 14.7/17

Left Out: 601.820+/-1233.559 χ^2/NDF:26.0/24

Right Out: 1681.873+/-1687.664 χ^2/NDF: 21.9/20

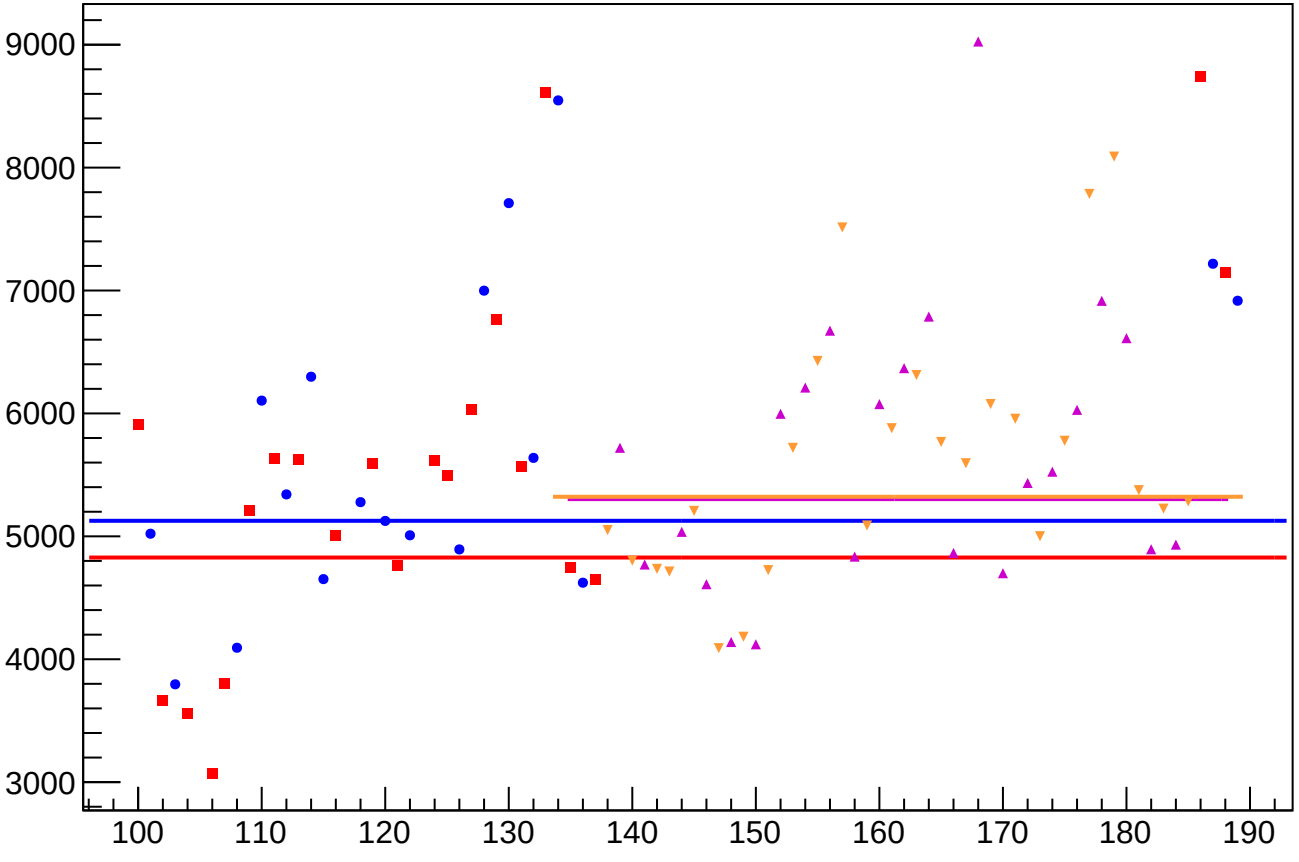
Left In: 255.905+/-1262.607 χ^2/NDF:14.6/22

\+ sign 54.544+/-1028.941 χ^2/NDF: 41.3/42

All: 417.358+/-721.140 χ^2/NDF: 78.5/86

\- sign 767.622+/-1010.988 χ^2/NDF: 37.0/43

asym_usr_atr2_avg_dit_correction_rms vs Slug



Right In: 5126.381+/-1.319 χ^2/NDF: 670938.0/17

Left Out: 5321.956+/-0.872 χ^2/NDF:1037009.2/24

Right Out: 4827.455+/-1.193 χ^2/NDF: 1253975.7/20

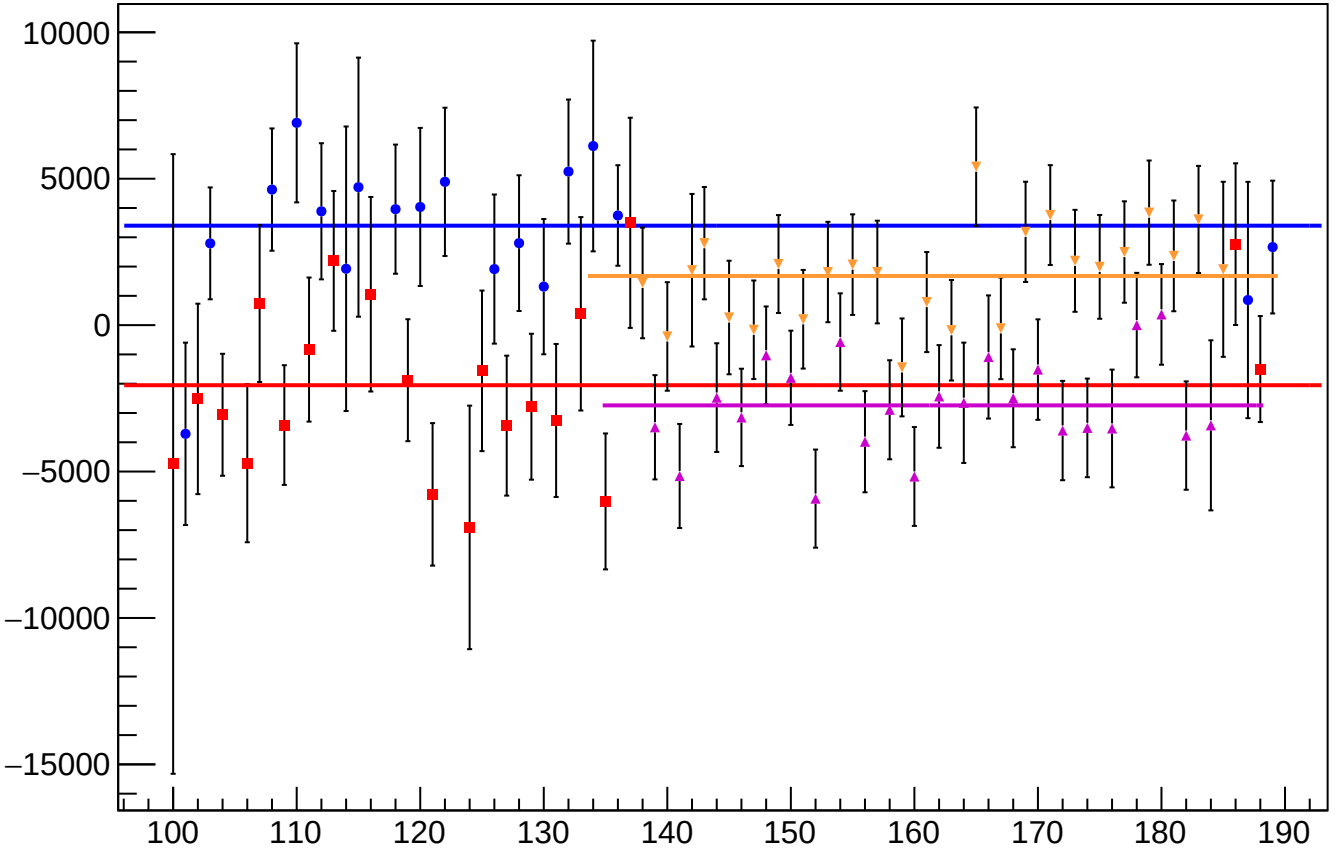
Left In: 5302.849+/-0.893 χ^2/NDF:1152376.1/22

+ sign 5262.455+/-0.728 χ^2/NDF: 1723242.1/42

All: 5196.207+/-0.510 χ^2/NDF: 4247635.4/86

- sign 5132.251+/-0.715 χ^2/NDF: 2508098.9/43

eigen_dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3396.180+/-588.728 χ^2/NDF: 10.9/17

Left Out: 1679.156+/-362.392 χ^2/NDF:19.0/24

Right Out: -2051.499+/-563.798 χ^2/NDF: 20.5/20

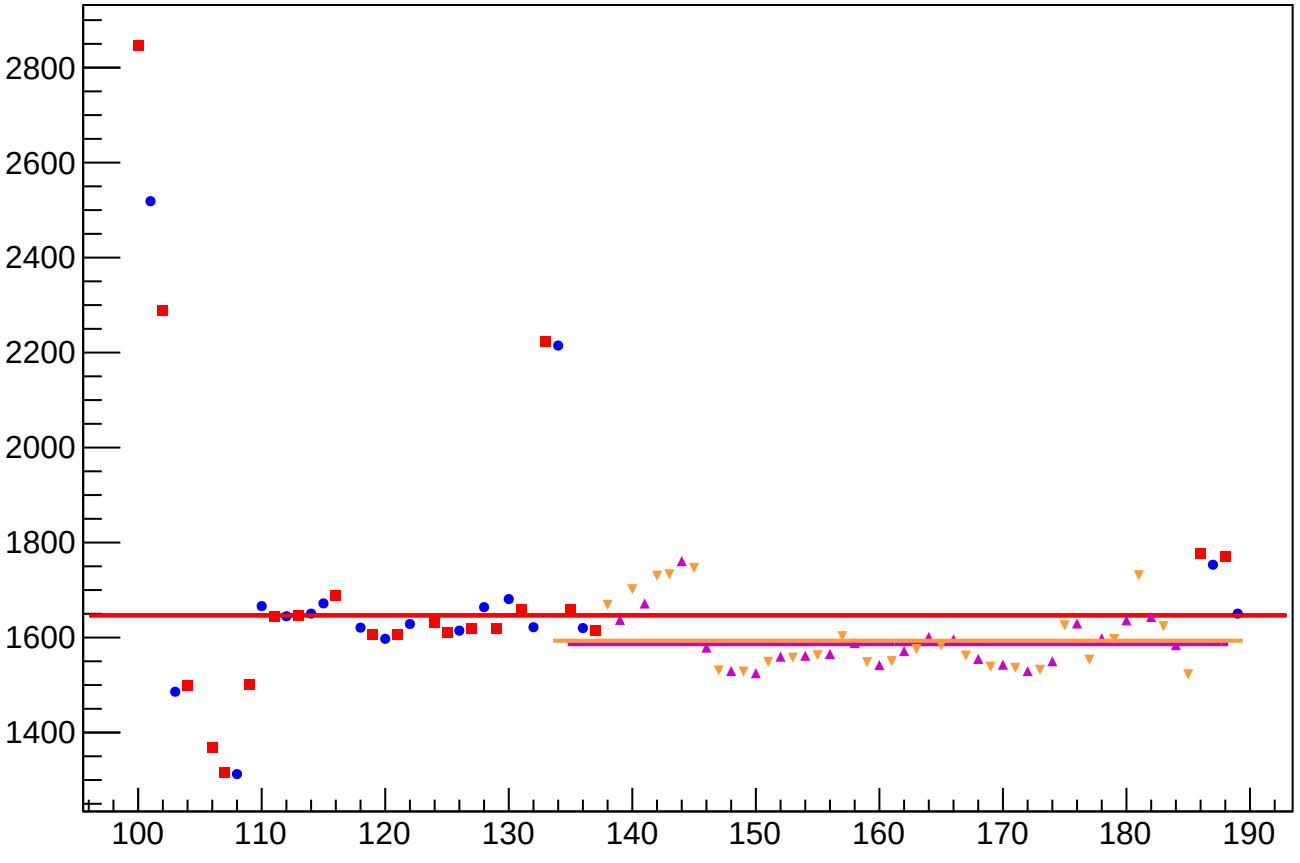
Left In: -2740.666+/-370.605 χ^2/NDF:19.2/22

+ sign 2150.970+/-308.611 χ^2/NDF: 36.0/42

All: -182.715+/-218.601 χ^2/NDF: 191.5/86

- sign -2532.731+/-309.689 χ^2/NDF: 40.7/43

eigen_dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1646.935+/-0.416 χ^2/NDF: 276251.9/17

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.3/24

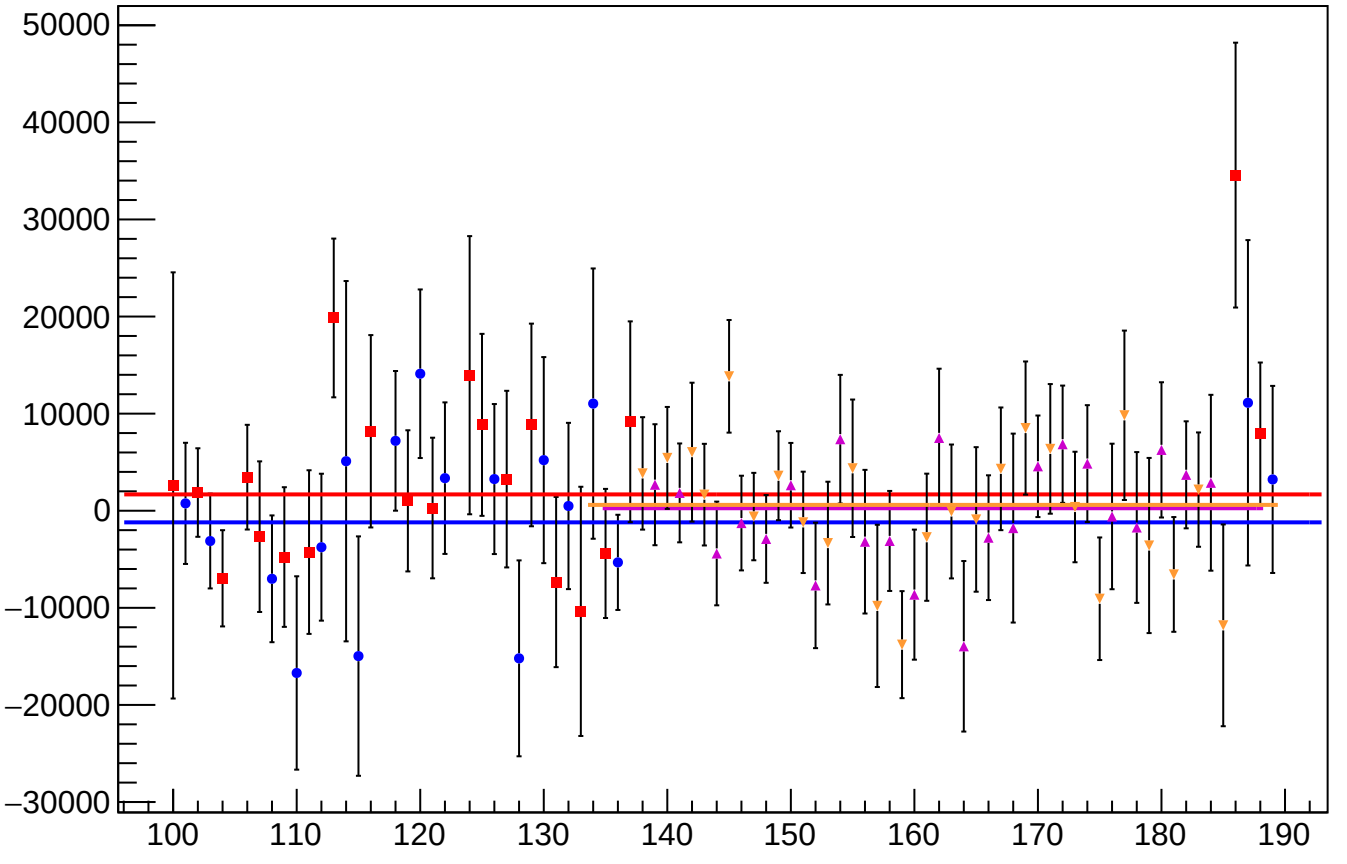
Right Out: 1646.323+/-0.398 χ^2/NDF: 253558.9/20

Left In: 1585.919+/-0.262 χ^2/NDF:41915.1/22

+ sign 1608.102+/-0.218 χ^2/NDF: 360126.9/42

All: 1606.139+/-0.155 χ^2/NDF: 671810.5/86

- sign 1604.163+/-0.219 χ^2/NDF: 311521.2/43



Right In: -1197.015+/-1865.452 χ^2/NDF: 14.7/17

Left Out: 601.817+/-1233.561 χ^2/NDF:26.0/24

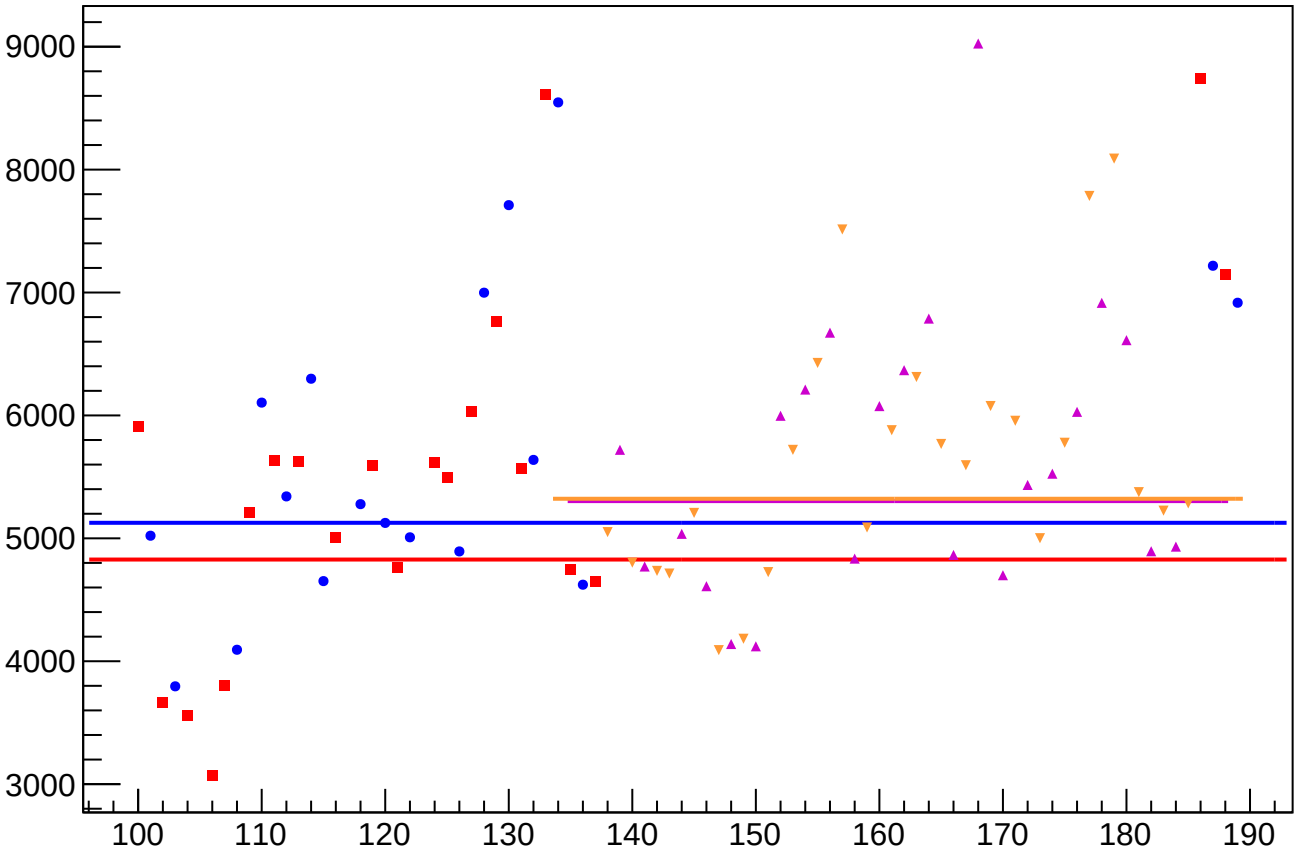
Right Out: 1681.871+/-1687.661 χ^2/NDF: 21.9/20

Left In: 255.907+/-1262.609 χ^2/NDF:14.6/22

\+ sign 54.544+/-1028.942 χ^2/NDF: 41.3/42

All: 417.360+/-721.141 χ^2/NDF: 78.5/86

\- sign 767.625+/-1010.989 χ^2/NDF: 37.0/43



Right In: 5126.375+/-1.319 χ^2/NDF: 670933.3/17

Left Out: 5321.965+/-0.872 χ^2/NDF:1037011.4/24

Right Out: 4827.449+/-1.193 χ^2/NDF: 1253972.2/20

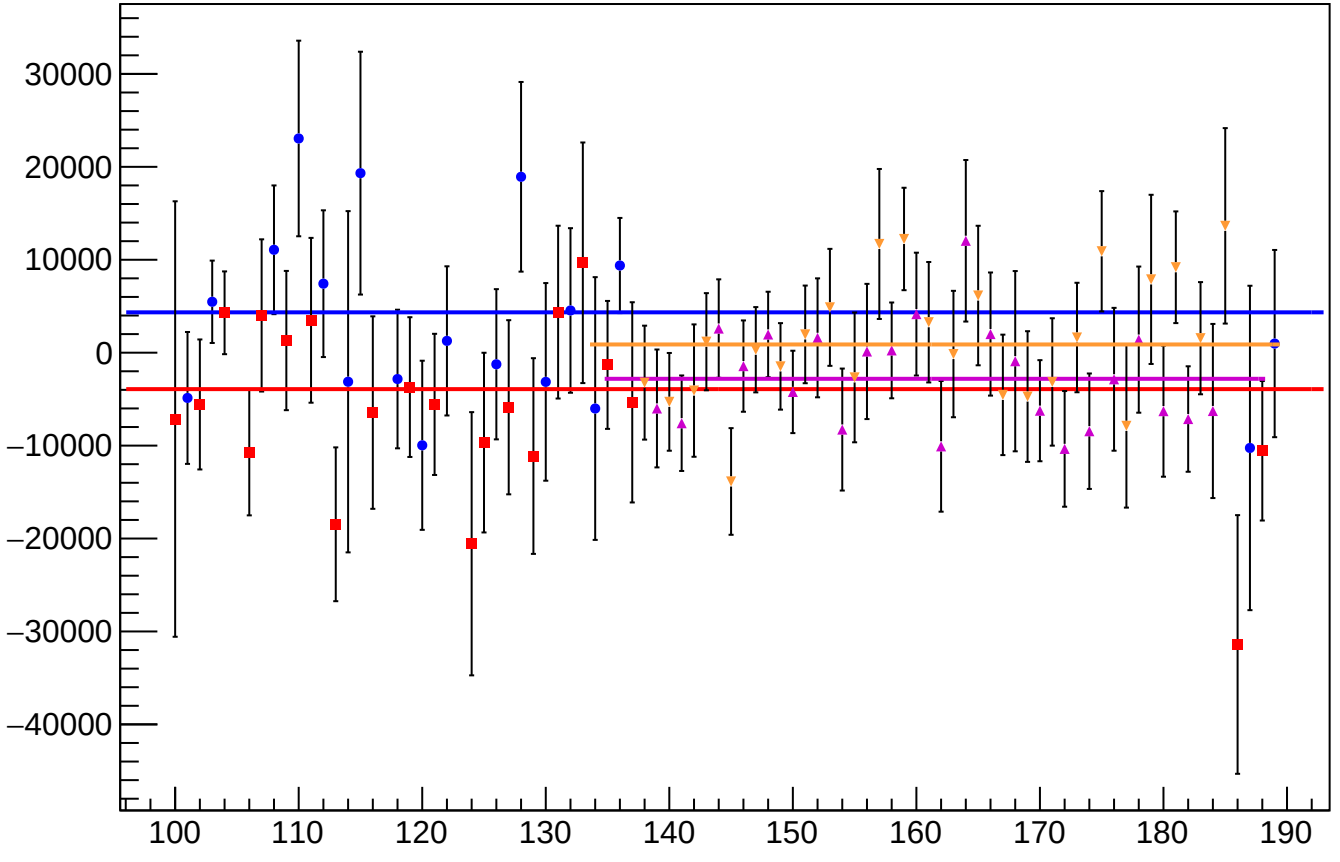
Left In: 5302.858+/-0.893 χ^2/NDF:1152380.1/22

+ sign 5262.459+/-0.728 χ^2/NDF: 1723242.1/42

All: 5196.211+/-0.510 χ^2/NDF: 4247642.8/86

- sign 5132.254+/-0.715 χ^2/NDF: 2508105.8/43

asym_usr_atr2_avg_mean vs Slug



Right In: 4342.359+/-1910.949 χ^2/NDF: 16.4/17

Left Out: 885.482+/-1246.500 χ^2/NDF:25.7/24

Right Out: -3921.183+/-1810.734 χ^2/NDF: 18.8/20

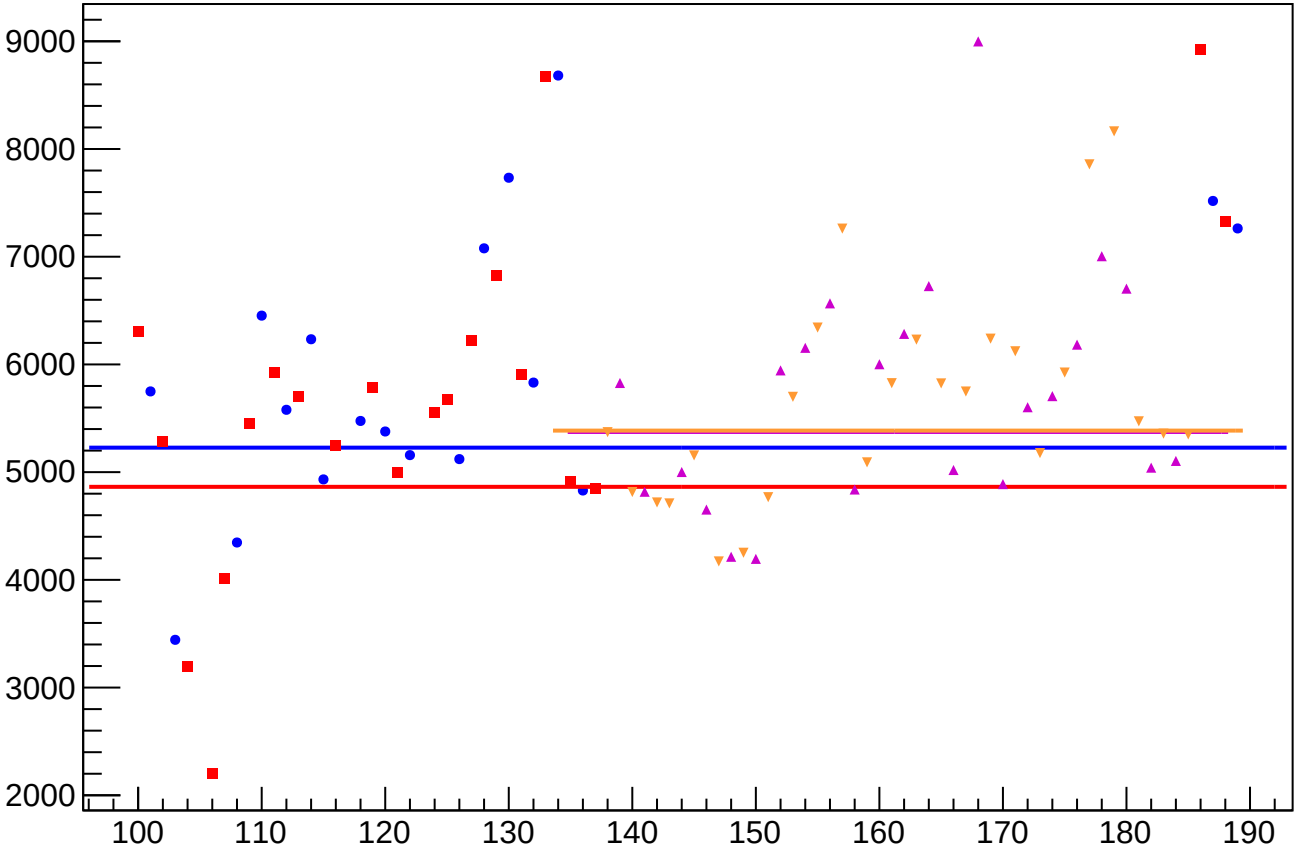
Left In: -2810.702+/-1277.225 χ^2/NDF:14.7/22

+ sign 1917.309+/-1044.024 χ^2/NDF: 44.3/42

All: -631.943+/-738.124 χ^2/NDF: 90.0/86

- sign -3179.645+/-1043.707 χ^2/NDF: 33.7/43

asym_usr_atr2_avg_rms vs Slug



Right In: 5227.392+/-1.351 χ^2/NDF: 842255.2/17

Left Out: 5385.653+/-0.881 χ^2/NDF:987089.3/24

Right Out: 4863.604+/-1.235 χ^2/NDF: 1757425.1/20

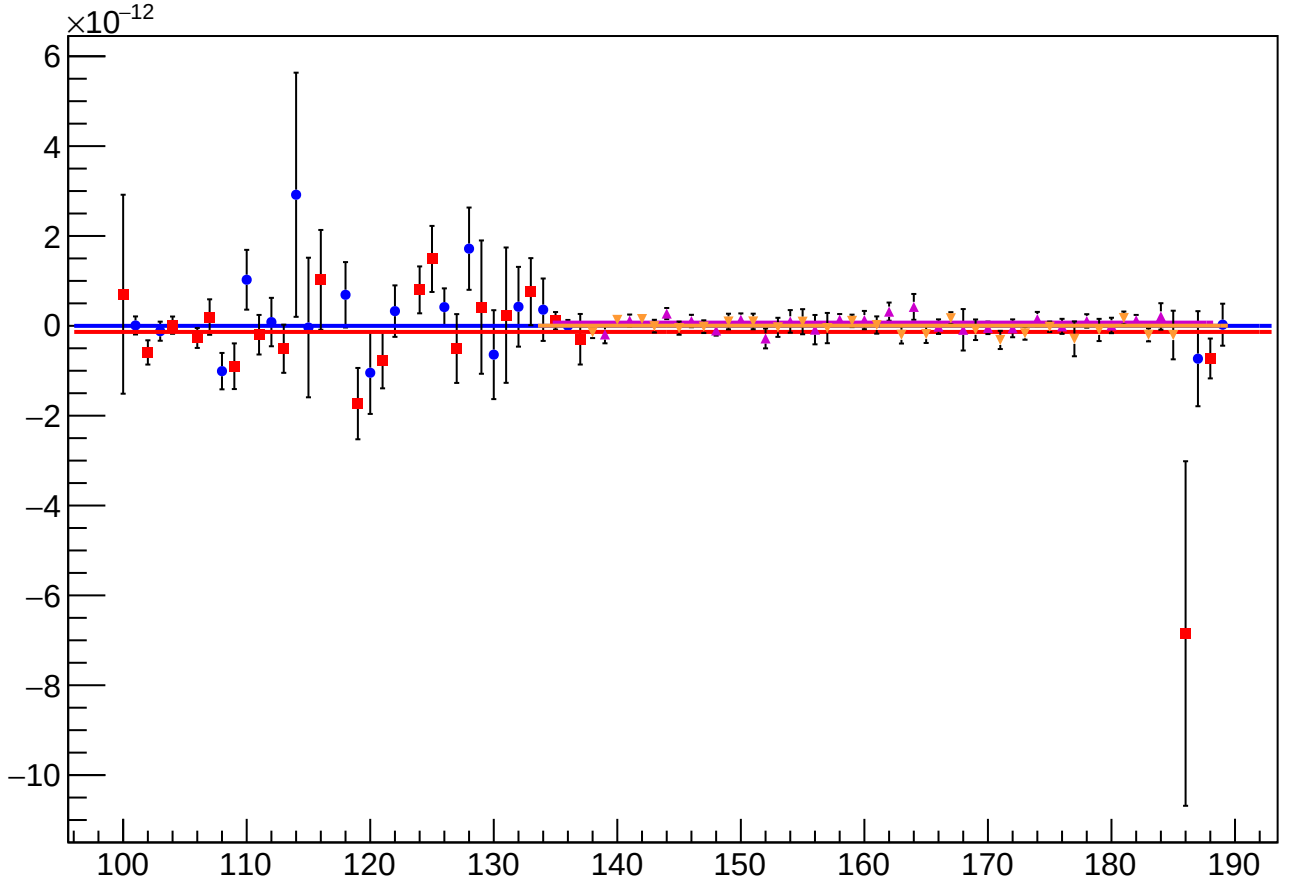
Left In: 5372.867+/-0.903 χ^2/NDF:1071821.2/22

+ sign 5338.414+/-0.738 χ^2/NDF: 1838967.6/42

All: 5265.997+/-0.519 χ^2/NDF: 4798031.5/86

- sign 5195.386+/-0.729 χ^2/NDF: 2940058.6/43

asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 18.5/17

Left Out: 0.000+/-0.000 χ^2/NDF:18.3/24

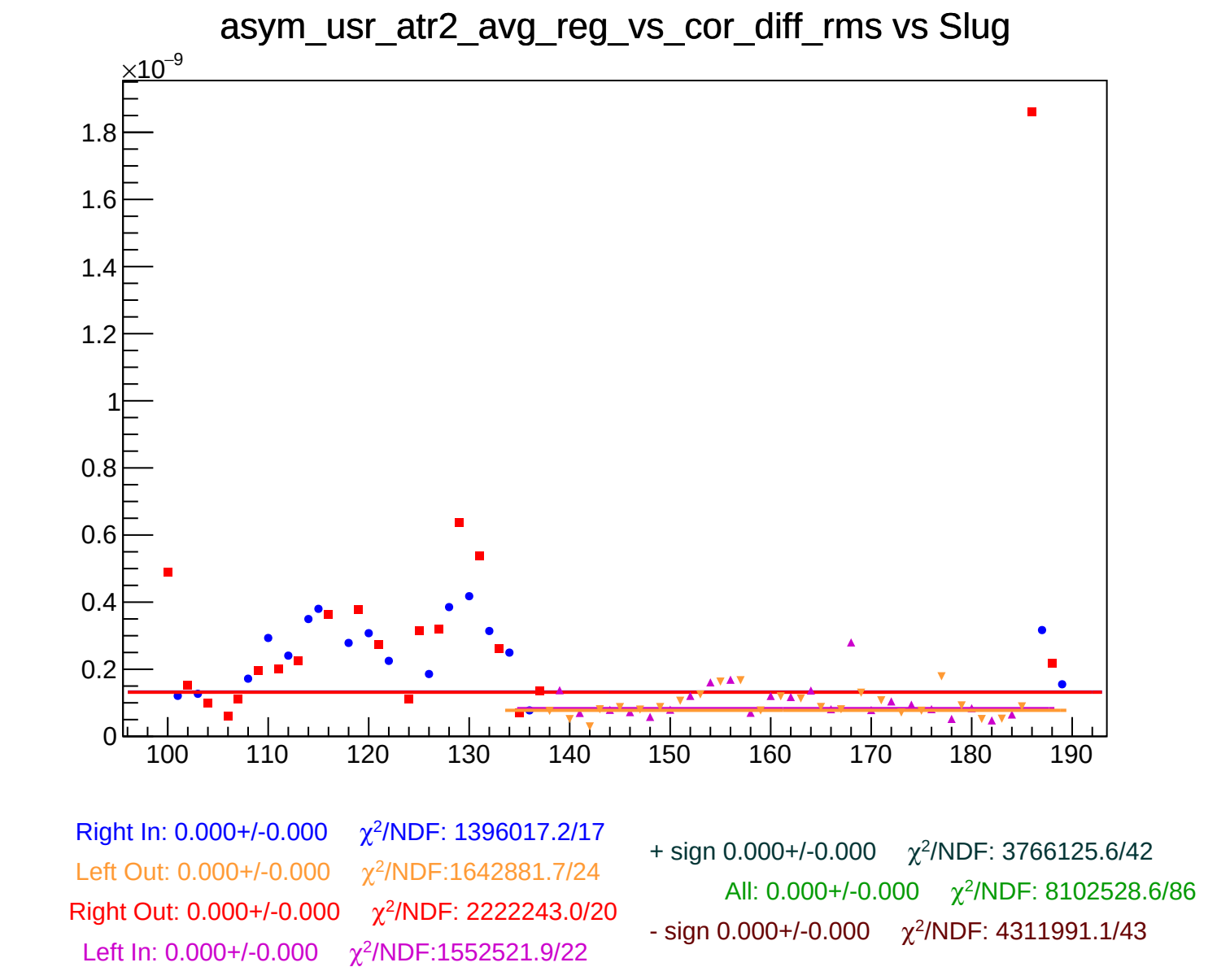
Right Out: -0.000+/-0.000 χ^2/NDF: 30.1/20

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

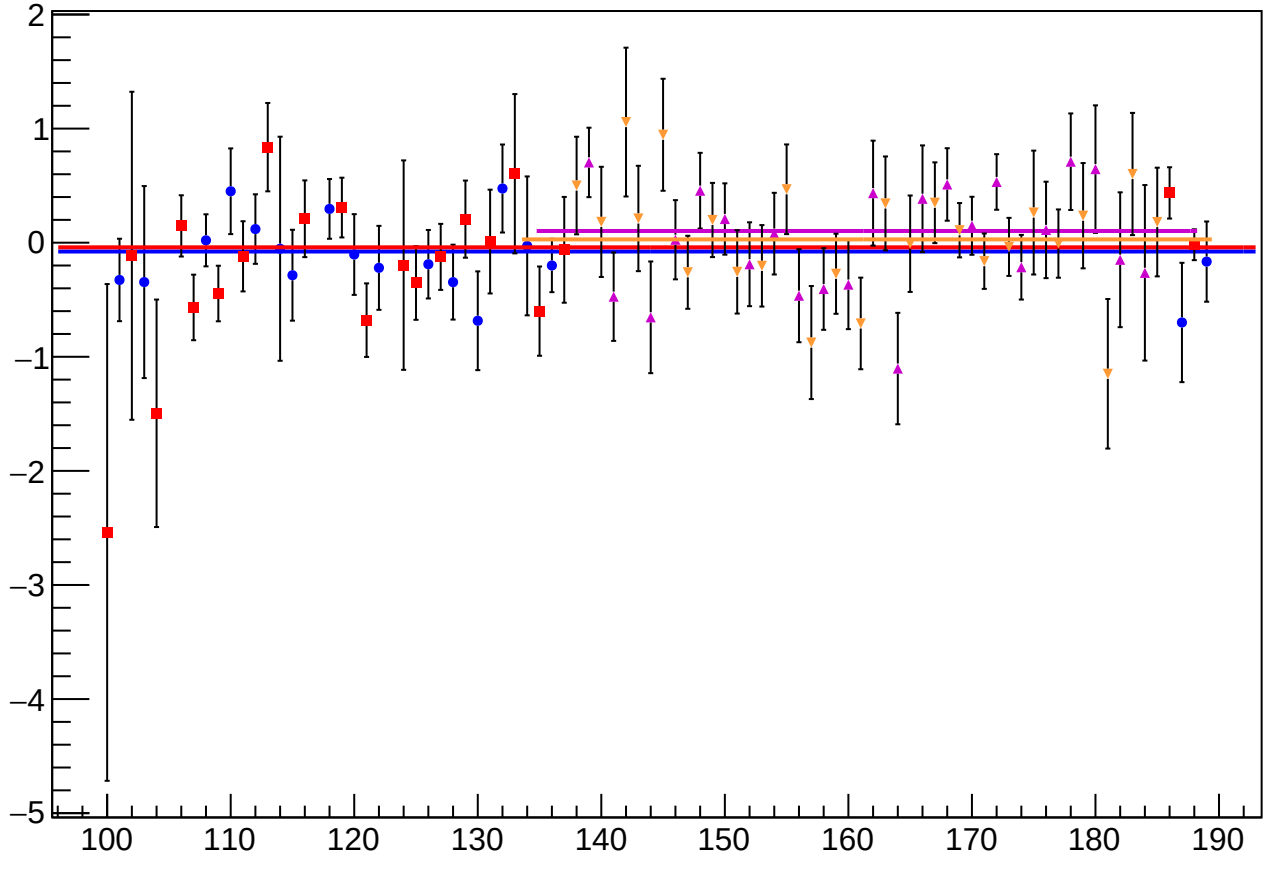
+ sign 0.000+/-0.000 χ^2/NDF: 36.8/42

All: 0.000+/-0.000 χ^2/NDF: 88.5/86

- sign 0.000+/-0.000 χ^2/NDF: 50.8/43


asym_usr_atr2_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1396017.2/17
Left Out: 0.000+/-0.000 χ²/NDF:1642881.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 2222243.0/20
Left In: 0.000+/-0.000 χ²/NDF:1552521.9/22
+ sign 0.000+/-0.000 χ²/NDF: 3766125.6/42
All: 0.000+/-0.000 χ²/NDF: 8102528.6/86
- sign 0.000+/-0.000 χ²/NDF: 4311991.1/43

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.077+/-0.082 χ^2/NDF: 12.2/17

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: -0.041+/-0.068 χ^2/NDF: 30.5/20

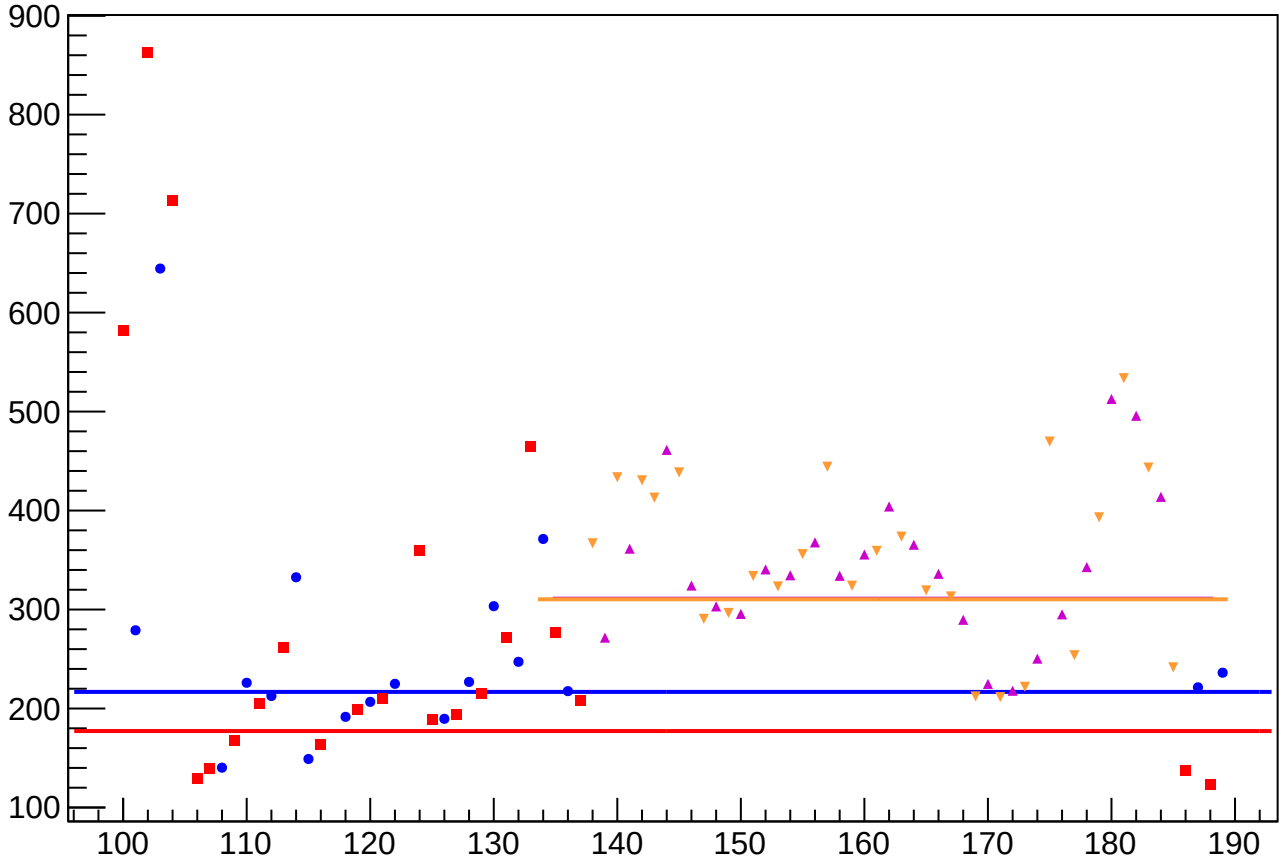
Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.019+/-0.055 χ^2/NDF: 38.5/42

All: 0.003+/-0.037 χ^2/NDF: 103.6/86

- sign 0.022+/-0.051 χ^2/NDF: 64.8/43

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 216.789+/-0.058 χ^2/NDF: 1155417.1/17

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

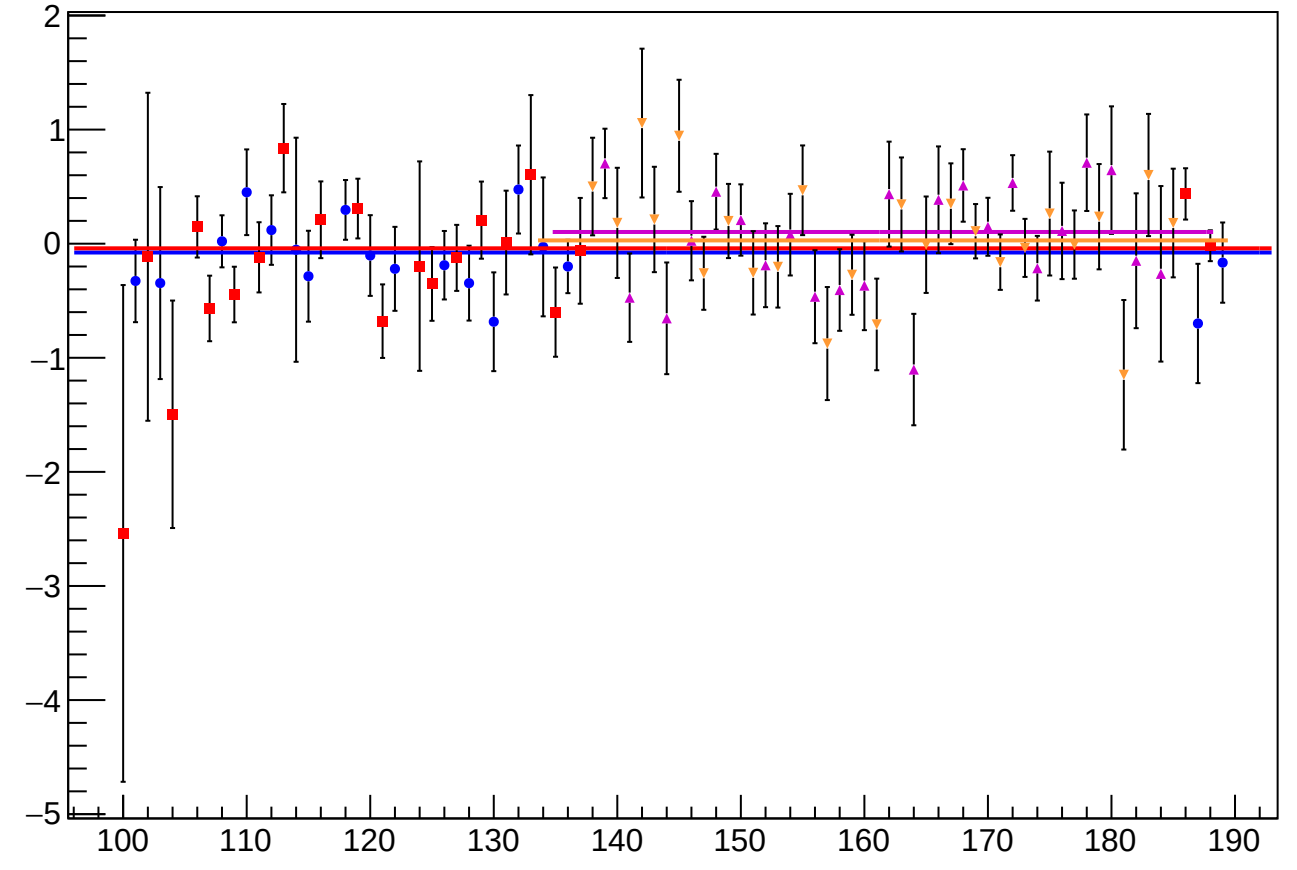
Right Out: 177.244+/-0.048 χ^2/NDF: 2414026.6/20

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 267.957+/-0.039 χ^2/NDF: 4941788.9/42

All: 250.630+/-0.026 χ^2/NDF: 12762061.9/86

- sign 236.088+/-0.036 χ^2/NDF: 7458041.0/43



Right In: -0.077+/-0.082 χ^2/NDF: 12.2/17

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

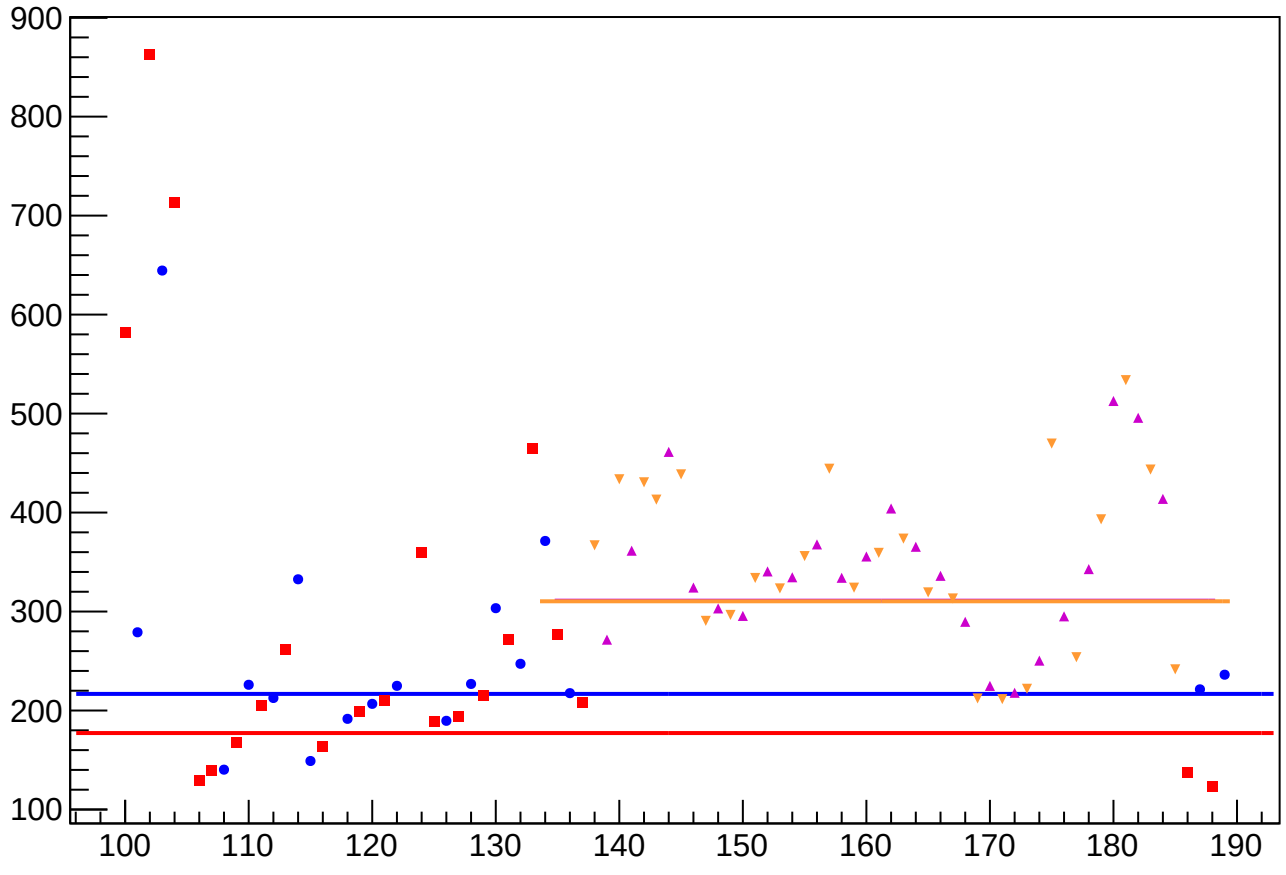
Right Out: -0.041+/-0.068 χ^2/NDF: 30.5/20

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.019+/-0.055 χ^2/NDF: 38.5/42

All: 0.003+/-0.037 χ^2/NDF: 103.6/86

- sign 0.022+/-0.051 χ^2/NDF: 64.8/43



Right In: 216.789+/-0.058 χ^2/NDF: 1155417.1/17

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

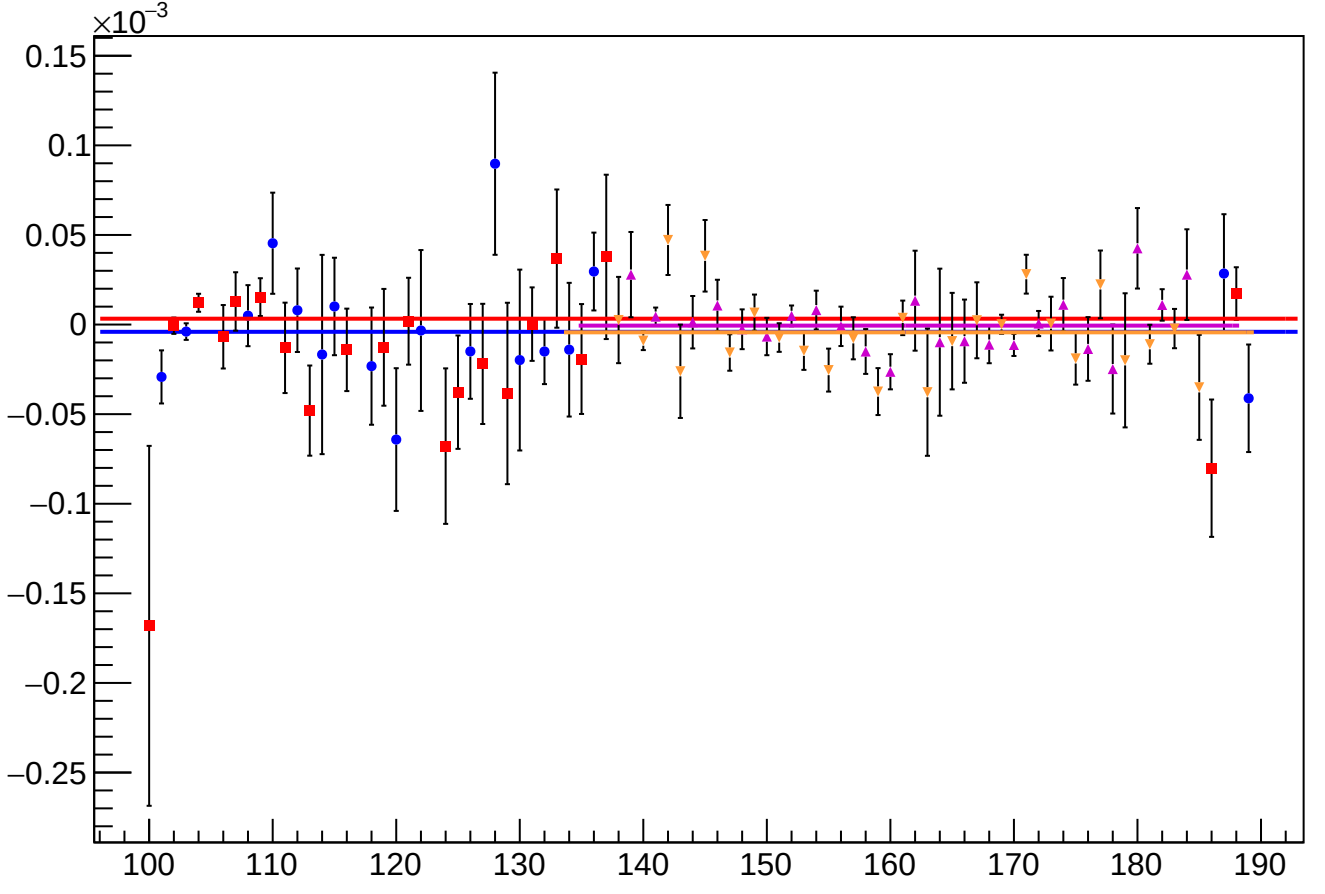
Right Out: 177.244+/-0.048 χ^2/NDF: 2414026.6/20

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 267.957+/-0.039 χ^2/NDF: 4941788.9/42

All: 250.630+/-0.026 χ^2/NDF: 12762061.9/86

- sign 236.088+/-0.036 χ^2/NDF: 7458041.0/43



Right In: -0.000+/-0.000 χ^2/NDF: 18.4/17

Left Out: -0.000+/-0.000 χ^2/NDF:42.3/24

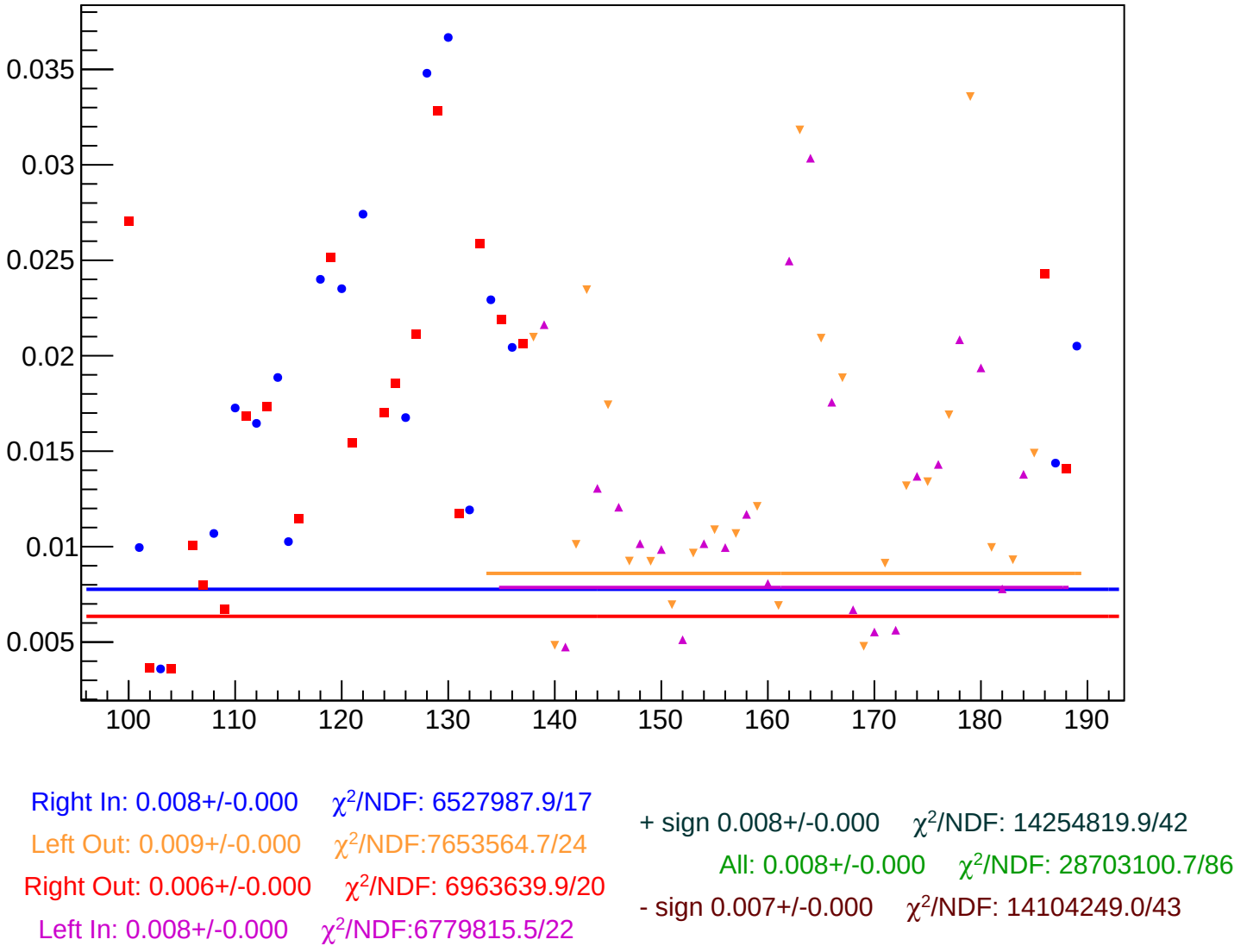
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/20

Left In: -0.000+/-0.000 χ^2/NDF:26.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.8/42

All: -0.000+/-0.000 χ^2/NDF: 119.7/86

- sign 0.000+/-0.000 χ^2/NDF: 55.0/43


asym_usr_atr2_avg_eigen_dit_vs_dit_diff_rms vs Slug
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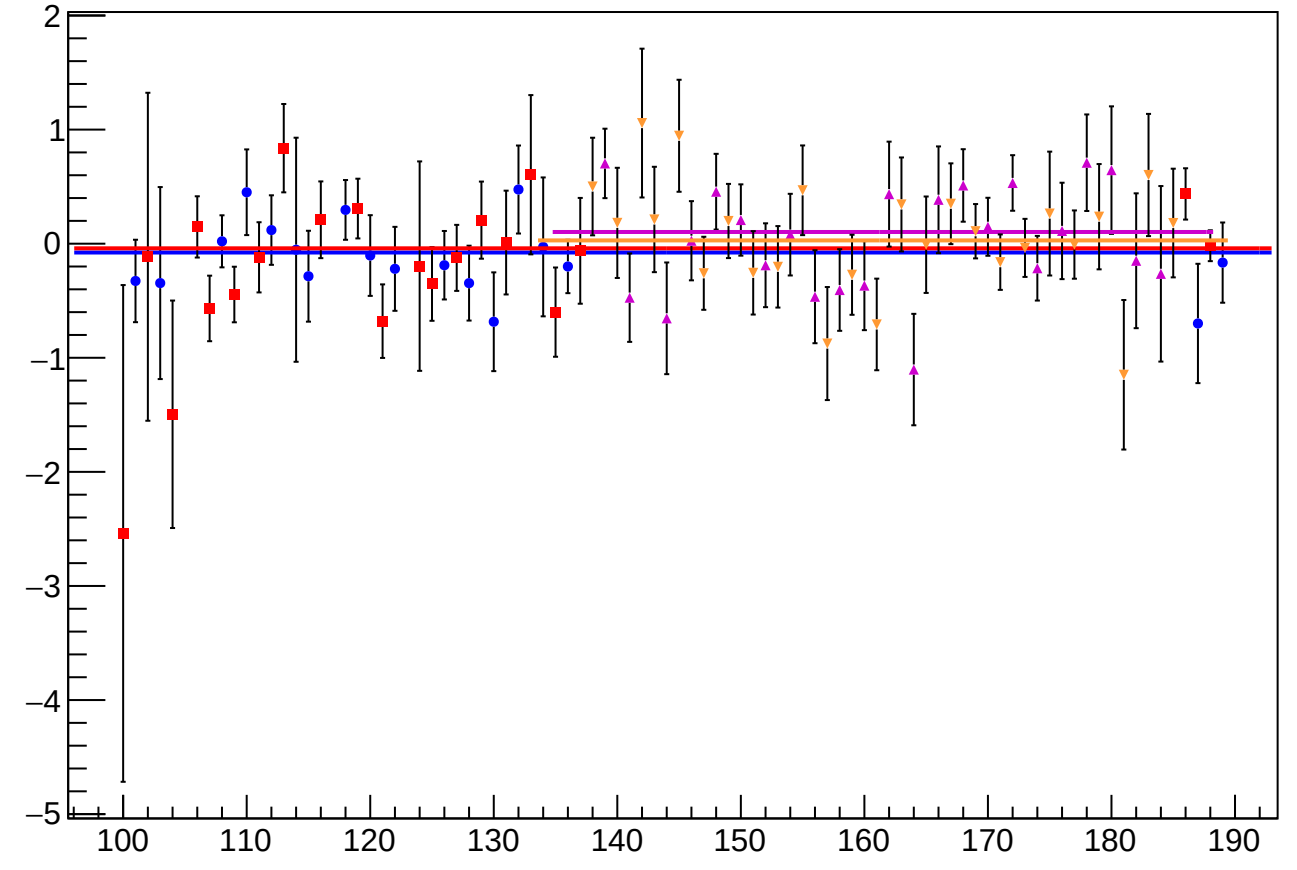
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
180
190
Right In: 0.008+/-0.000 χ²/NDF: 6527987.9/17
Left Out: 0.009+/-0.000 χ²/NDF:7653564.7/24
Right Out: 0.006+/-0.000 χ²/NDF: 6963639.9/20
Left In: 0.008+/-0.000 χ²/NDF:6779815.5/22
+ sign 0.008+/-0.000 χ²/NDF: 14254819.9/42
All: 0.008+/-0.000 χ²/NDF: 28703100.7/86
- sign 0.007+/-0.000 χ²/NDF: 14104249.0/43



Right In: -0.077+/-0.082 χ^2/NDF: 12.2/17

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

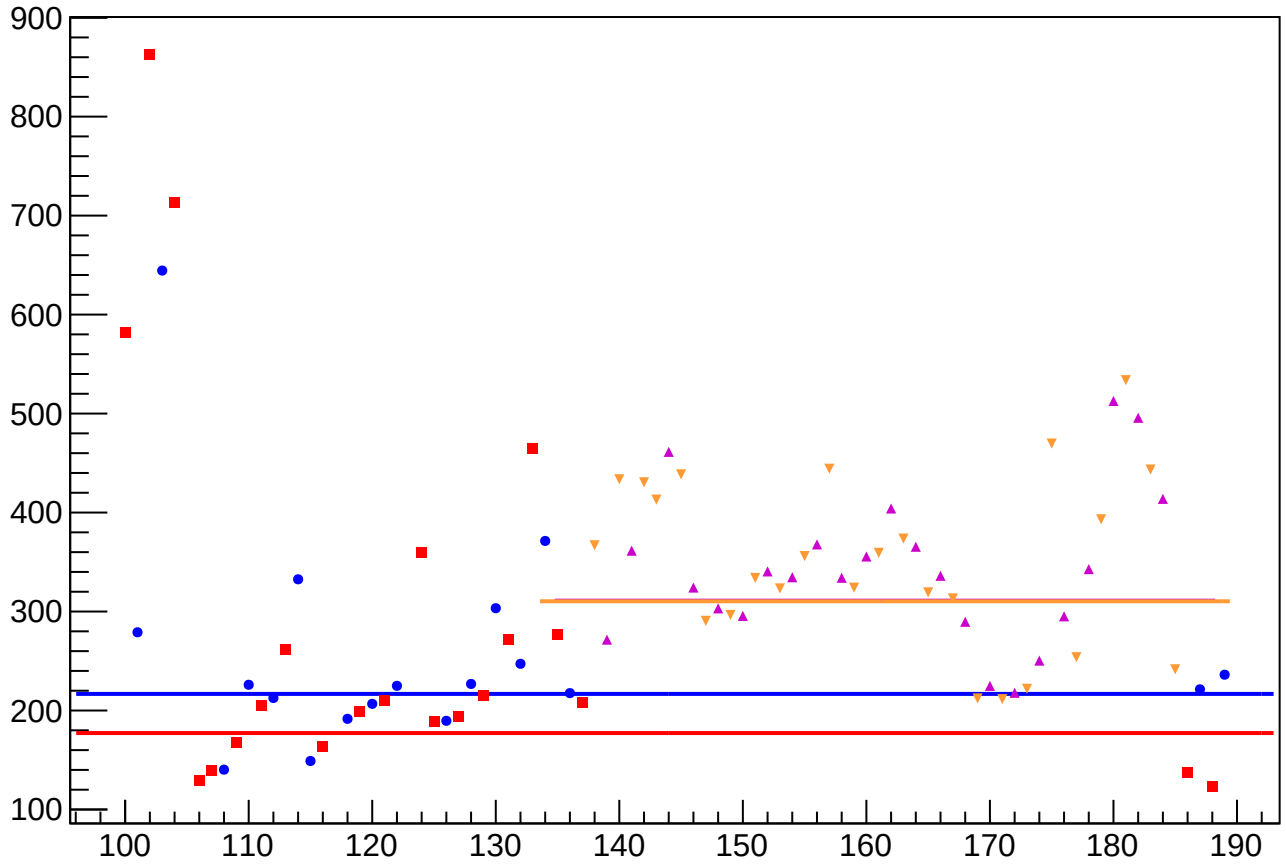
Right Out: -0.041+/-0.068 χ^2/NDF: 30.5/20

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

\+ sign -0.019+/-0.055 χ^2/NDF: 38.5/42

All: 0.003+/-0.037 χ^2/NDF: 103.6/86

\- sign 0.022+/-0.051 χ^2/NDF: 64.8/43



Right In: 216.788+/-0.058 χ^2/NDF: 1155392.9/17

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

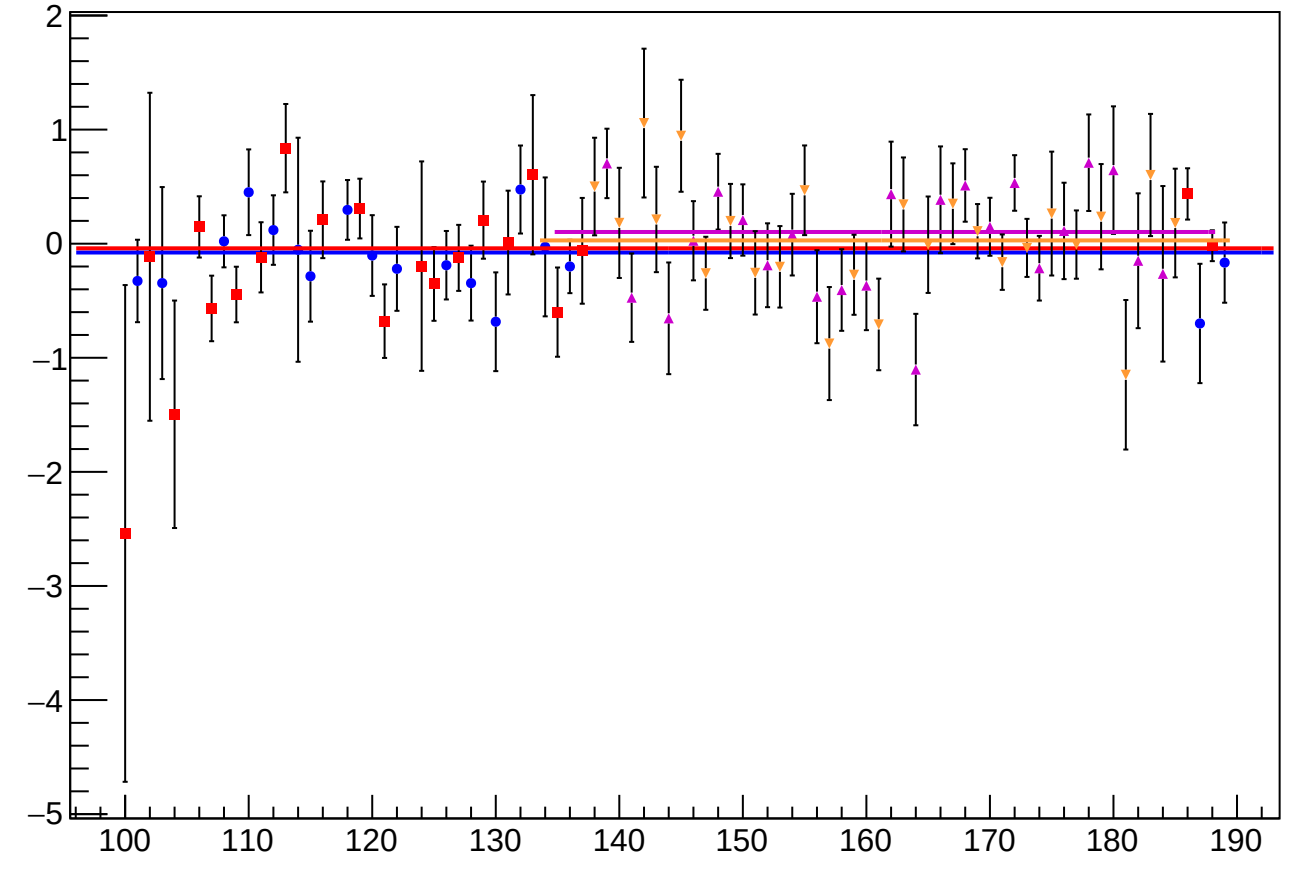
Right Out: 177.241+/-0.048 χ^2/NDF: 2414059.7/20

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 267.958+/-0.039 χ^2/NDF: 4941950.4/42

All: 250.630+/-0.026 χ^2/NDF: 12762634.9/86

- sign 236.087+/-0.036 χ^2/NDF: 7458406.4/43



Right In: -0.077+/-0.082 χ^2/NDF: 12.2/17

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

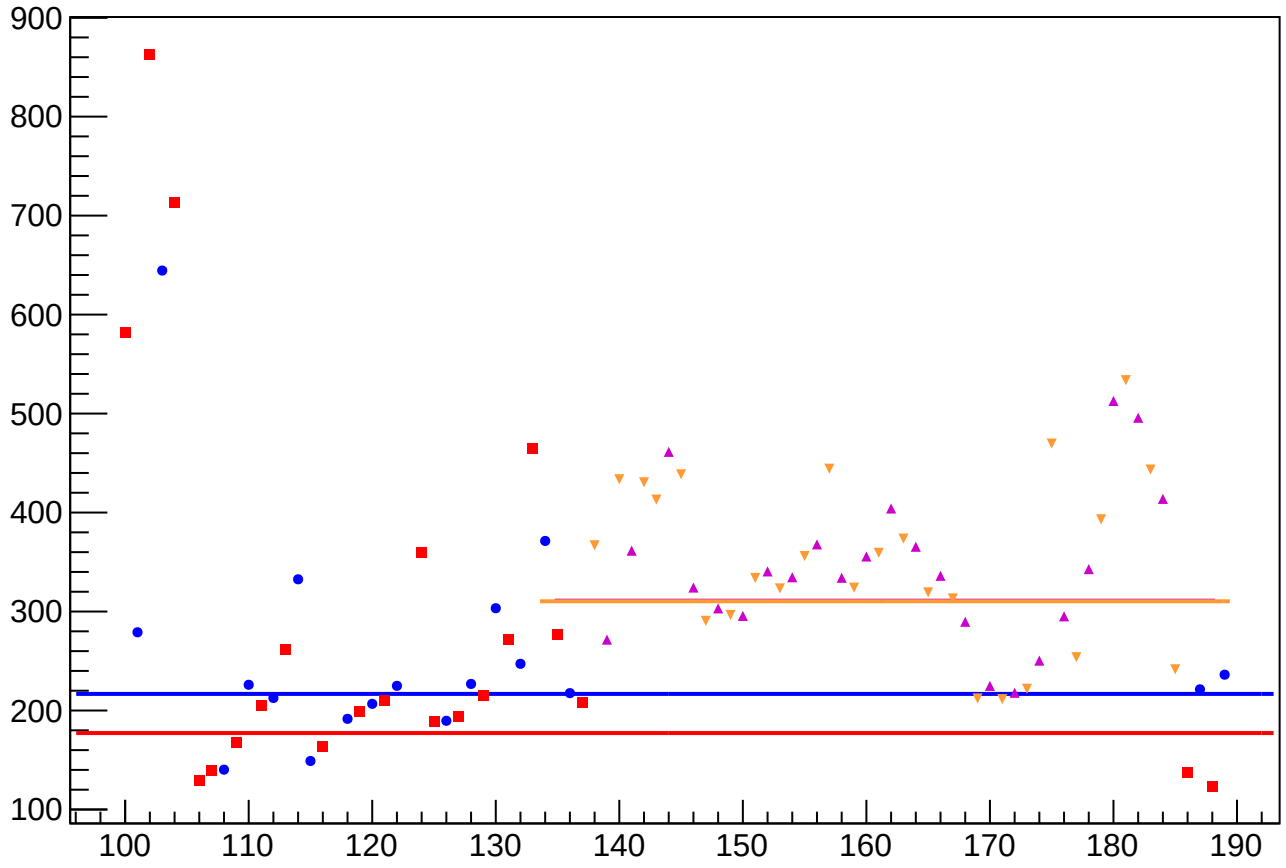
Right Out: -0.041+/-0.068 χ^2/NDF: 30.5/20

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.019+/-0.055 χ^2/NDF: 38.5/42

All: 0.003+/-0.037 χ^2/NDF: 103.6/86

- sign 0.022+/-0.051 χ^2/NDF: 64.8/43



Right In: 216.788+/-0.058 χ^2/NDF: 1155392.9/17

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

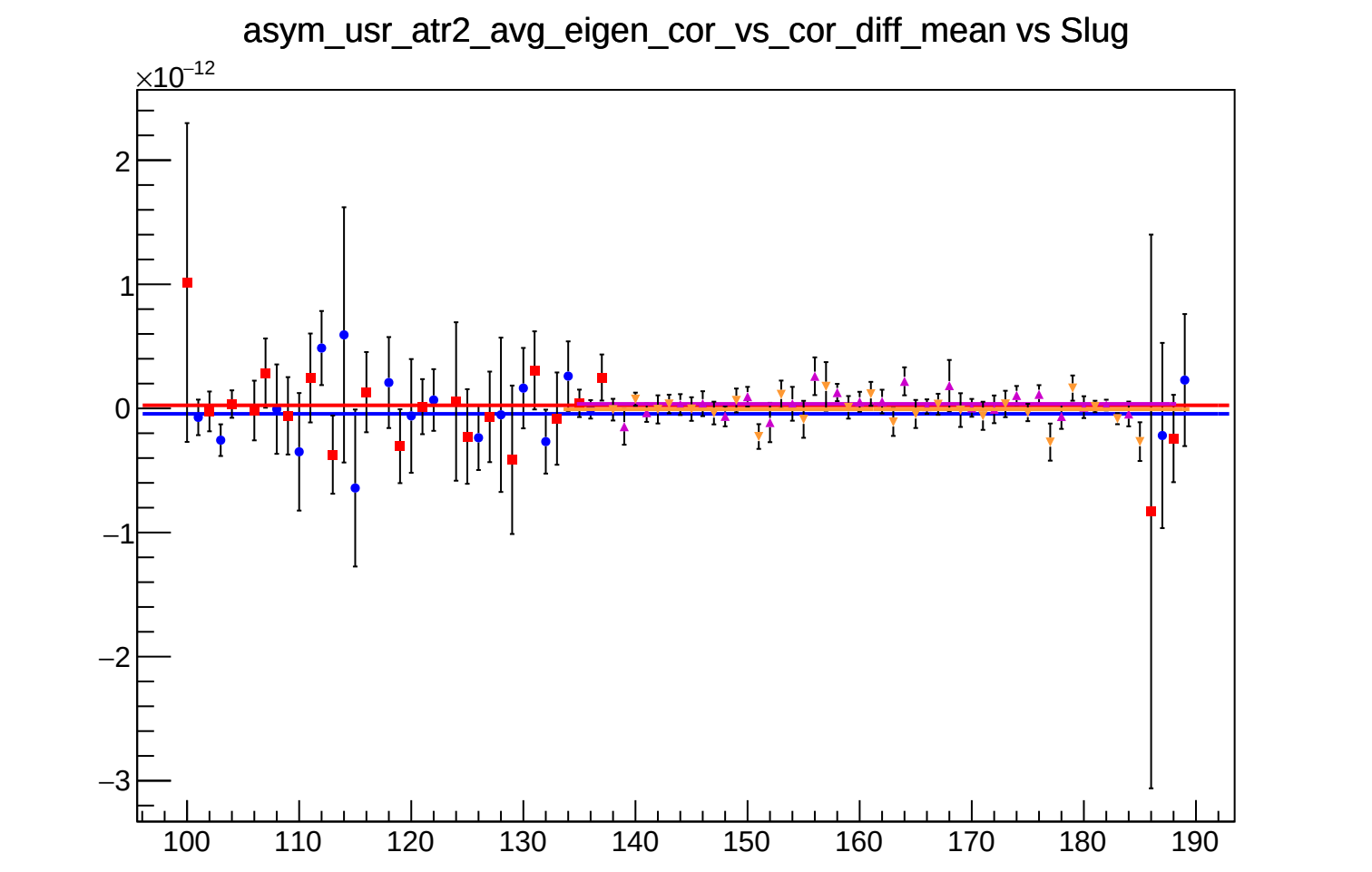
Right Out: 177.241+/-0.048 χ^2/NDF: 2414059.7/20

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 267.958+/-0.039 χ^2/NDF: 4941950.4/42

All: 250.630+/-0.026 χ^2/NDF: 12762634.9/86

- sign 236.087+/-0.036 χ^2/NDF: 7458406.4/43



Right In: -0.000+/-0.000 χ^2/NDF: 11.8/17

Left Out: -0.000+/-0.000 χ^2/NDF:25.8/24

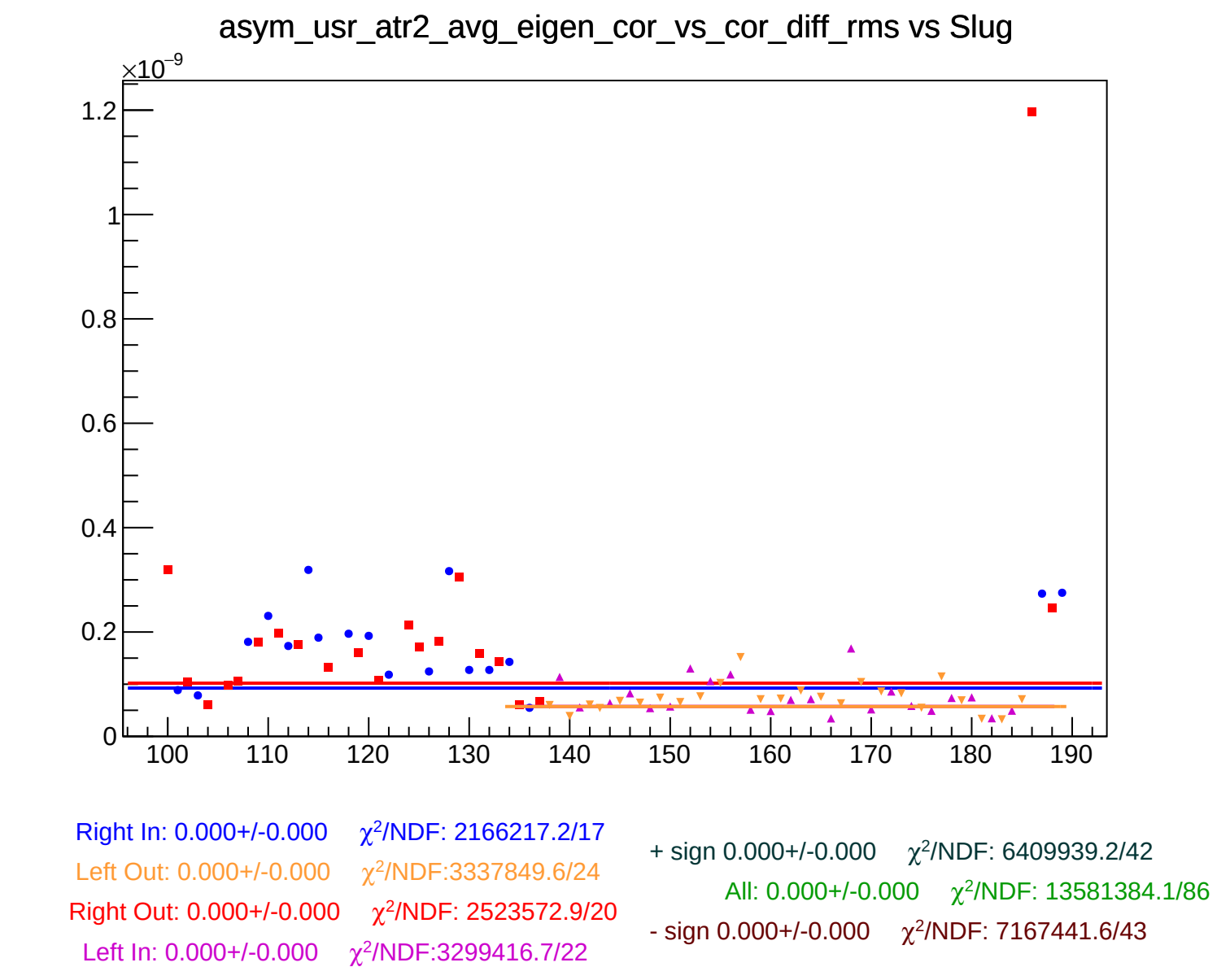
Right Out: 0.000+/-0.000 χ^2/NDF: 9.1/20

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 38.0/42

All: 0.000+/-0.000 χ^2/NDF: 68.0/86

- sign 0.000+/-0.000 χ^2/NDF: 25.9/43


asym_usr_atr2_avg_eigen_cor_vs_cor_diff_rms vs Slug
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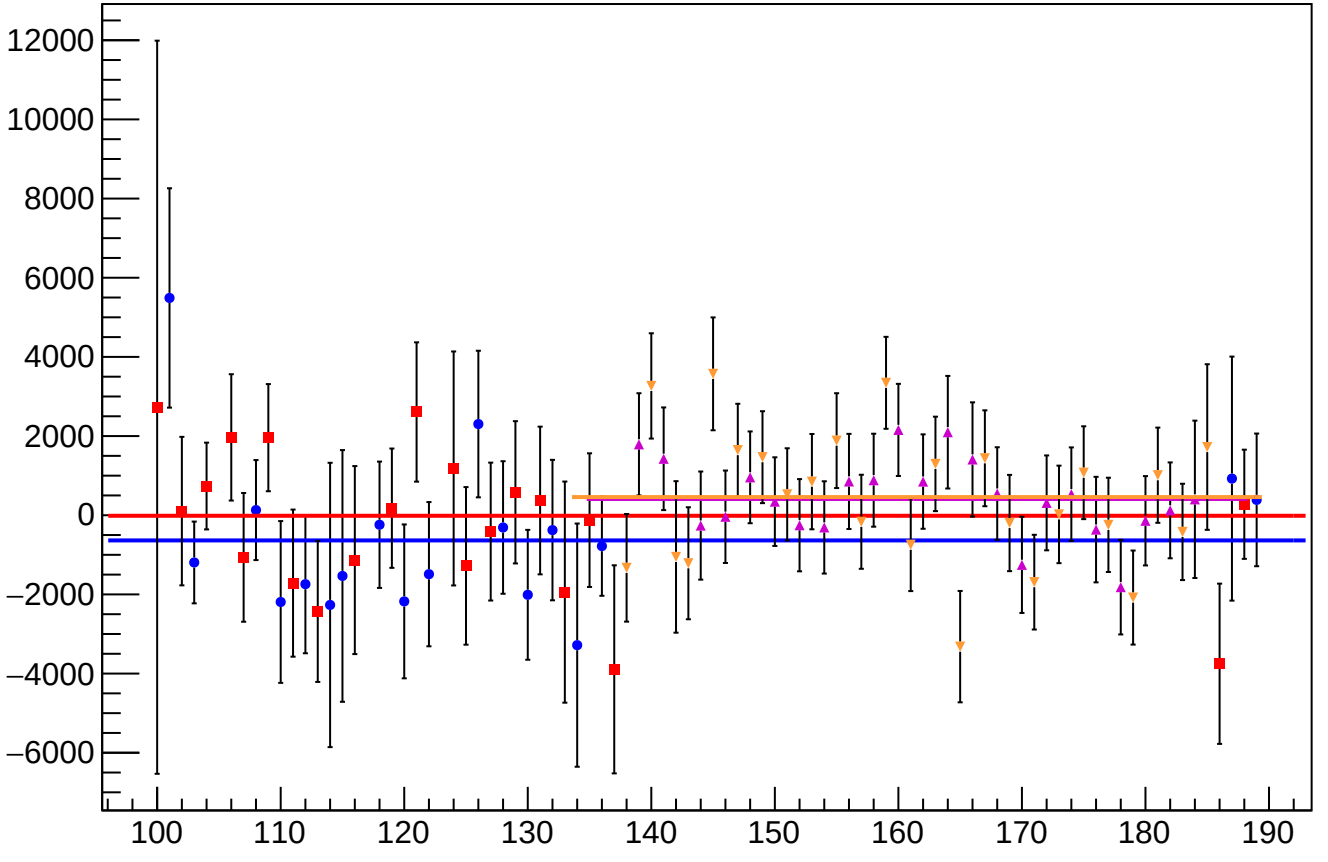
190
Right In: 0.000+/-0.000 χ²/NDF: 2166217.2/17
Left Out: 0.000+/-0.000 χ²/NDF:3337849.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 2523572.9/20
Left In: 0.000+/-0.000 χ²/NDF:3299416.7/22
+ sign 0.000+/-0.000 χ²/NDF: 6409939.2/42
All: 0.000+/-0.000 χ²/NDF: 13581384.1/86
- sign 0.000+/-0.000 χ²/NDF: 7167441.6/43

reg_asym_usr_atr2_dd_mean vs Slug



Right In: -636.140+/-410.443 χ^2/NDF: 12.4/17

Left Out: 458.782+/-251.538 χ^2/NDF:42.1/24

Right Out: -13.535+/-386.990 χ^2/NDF: 16.7/20

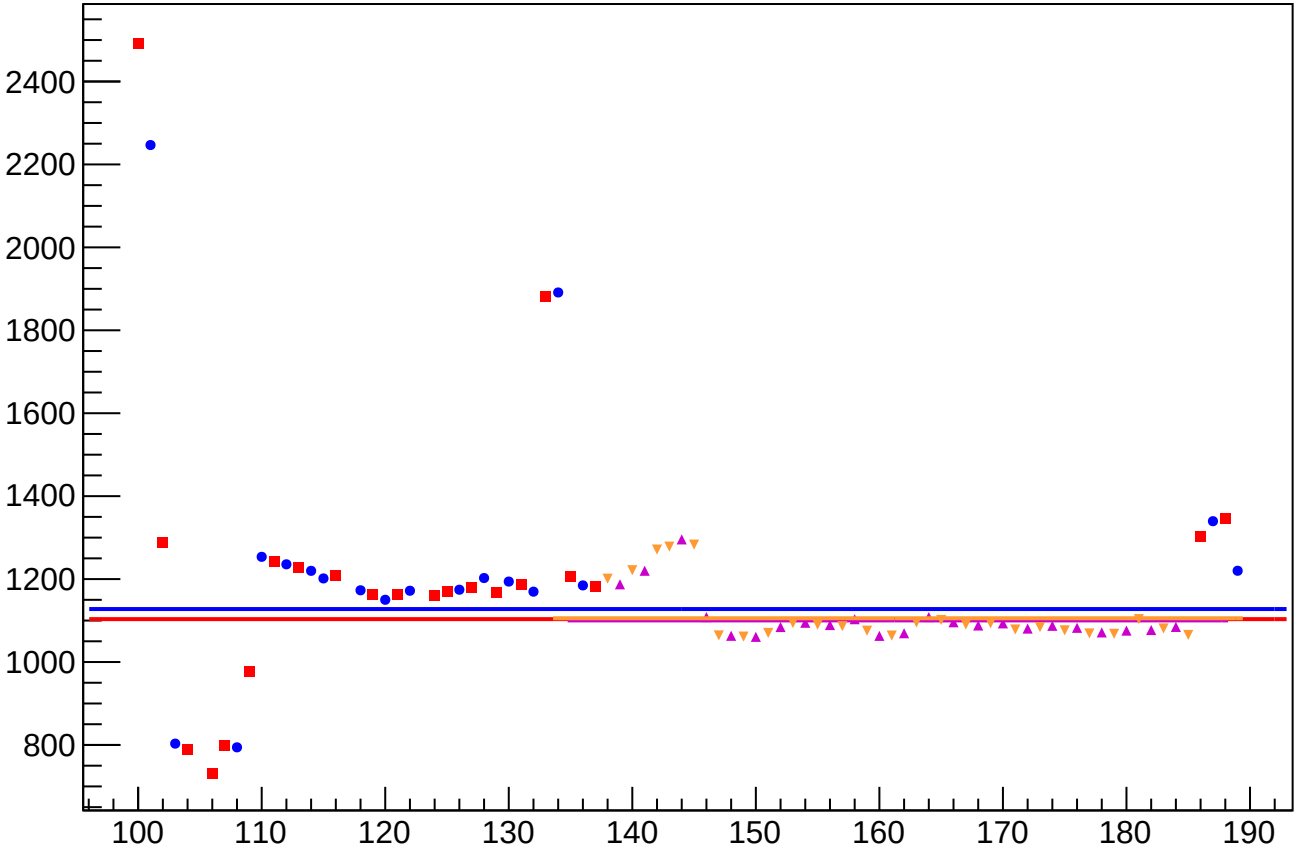
Left In: 411.262+/-257.201 χ^2/NDF:13.7/22

+ sign 159.832+/-214.467 χ^2/NDF: 59.6/42

All: 220.545+/-151.559 χ^2/NDF: 91.0/86

- sign 281.112+/-214.206 χ^2/NDF: 31.2/43

reg_asym_usr_atr2_dd_rms vs Slug



Right In: 1127.762+/-0.290 χ^2/NDF: 836467.7/17

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

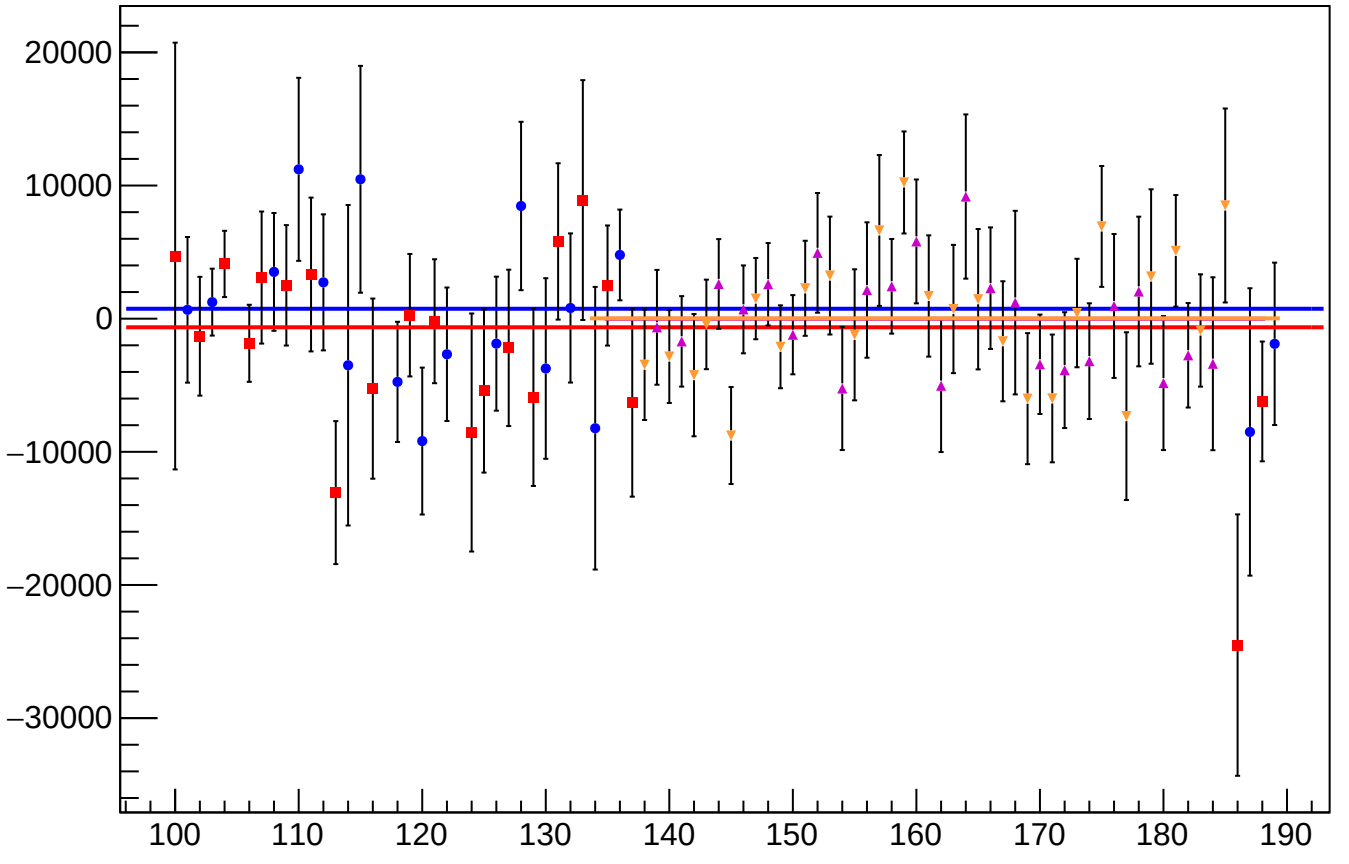
Right Out: 1103.443+/-0.272 χ^2/NDF: 740873.4/20

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1111.614+/-0.152 χ^2/NDF: 962676.0/42

All: 1106.443+/-0.107 χ^2/NDF: 1786197.0/86

- sign 1101.307+/-0.151 χ^2/NDF: 821203.5/43



Right In: 745.410+/-1200.811 χ^2/NDF: 14.8/17

Left Out: 23.368+/-850.404 χ^2/NDF:28.5/24

Right Out: -645.895+/-1074.738 χ^2/NDF: 24.3/20

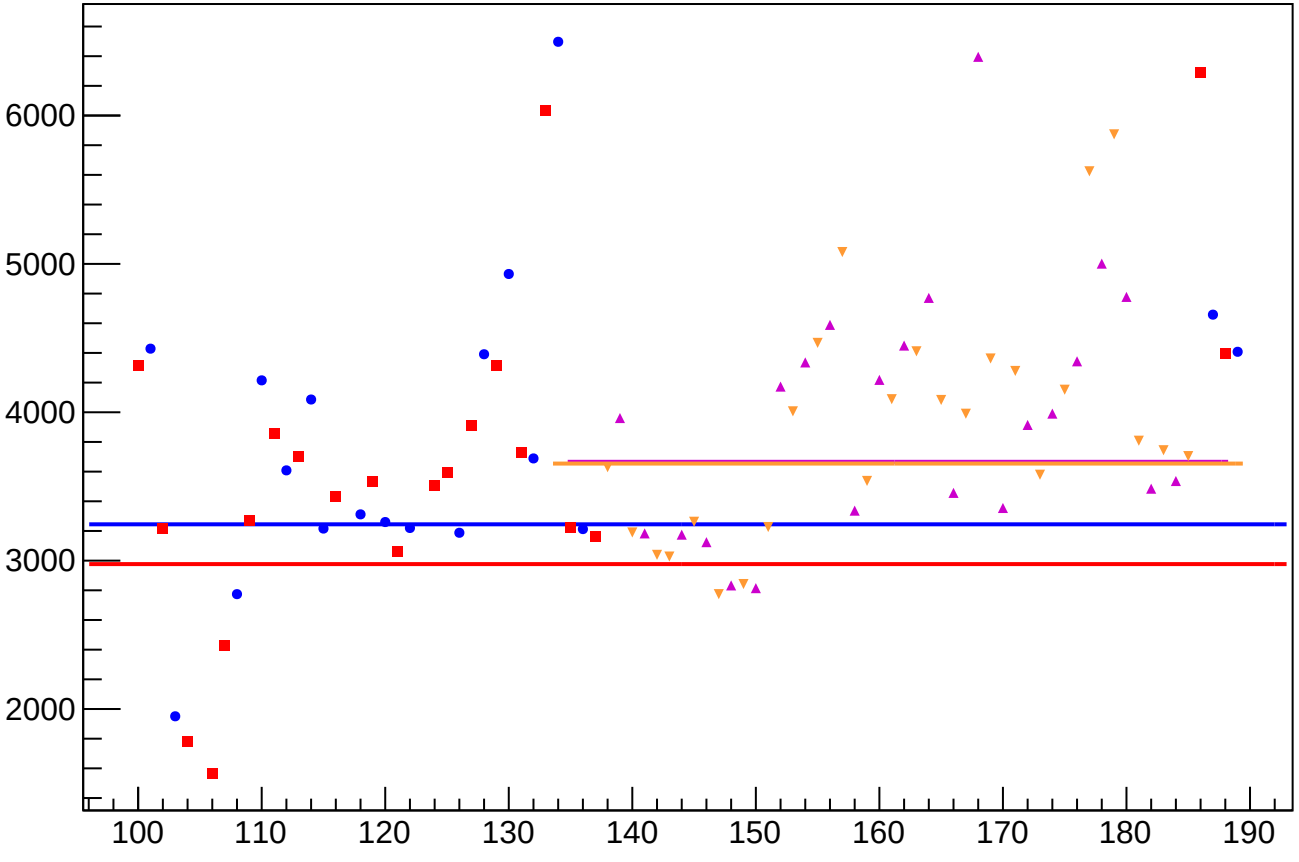
Left In: -6.317+/-875.256 χ^2/NDF:14.0/22

+ sign 264.541+/-693.997 χ^2/NDF: 43.5/42

All: -4.278+/-485.220 χ^2/NDF: 82.4/86

- sign -261.355+/-678.670 χ^2/NDF: 38.6/43

asym_usr_atr2_dd_reg_correction_rms vs Slug



Right In: 3244.823+/-0.849 χ^2/NDF: 1204408.4/17

Left Out: 3654.198+/-0.601 χ^2/NDF:1311761.6/24

Right Out: 2976.700+/-0.760 χ^2/NDF: 1964931.8/20

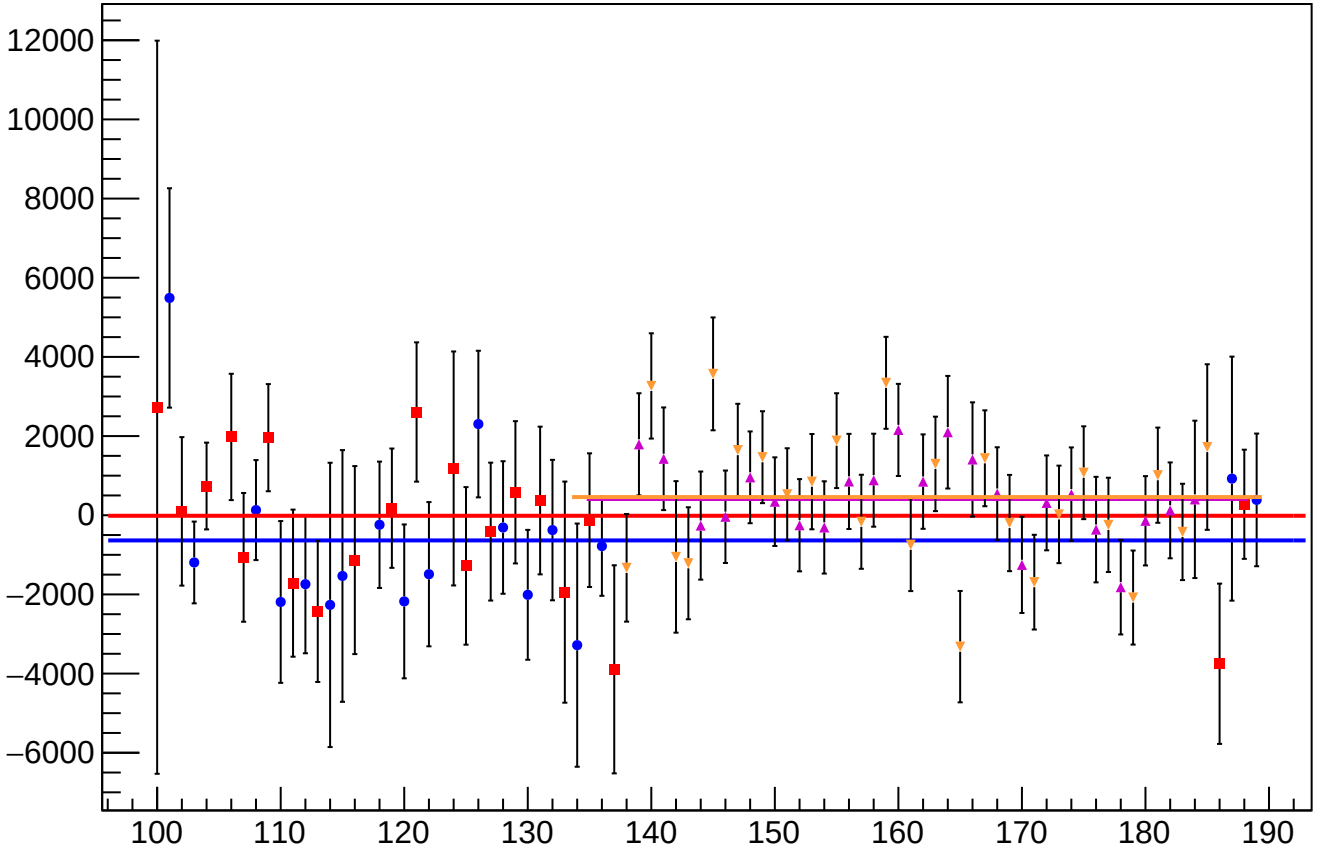
Left In: 3666.118+/-0.619 χ^2/NDF:1343709.3/22

+ sign 3517.461+/-0.491 χ^2/NDF: 2670975.6/42

All: 3452.923+/-0.343 χ^2/NDF: 6508261.5/86

- sign 3391.205+/-0.480 χ^2/NDF: 3803450.0/43

cor_asym_usr_atr2_dd_mean vs Slug



Right In: -636.099+/-410.443 χ^2/NDF: 12.4/17

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: -13.295+/-386.994 χ^2/NDF: 16.7/20

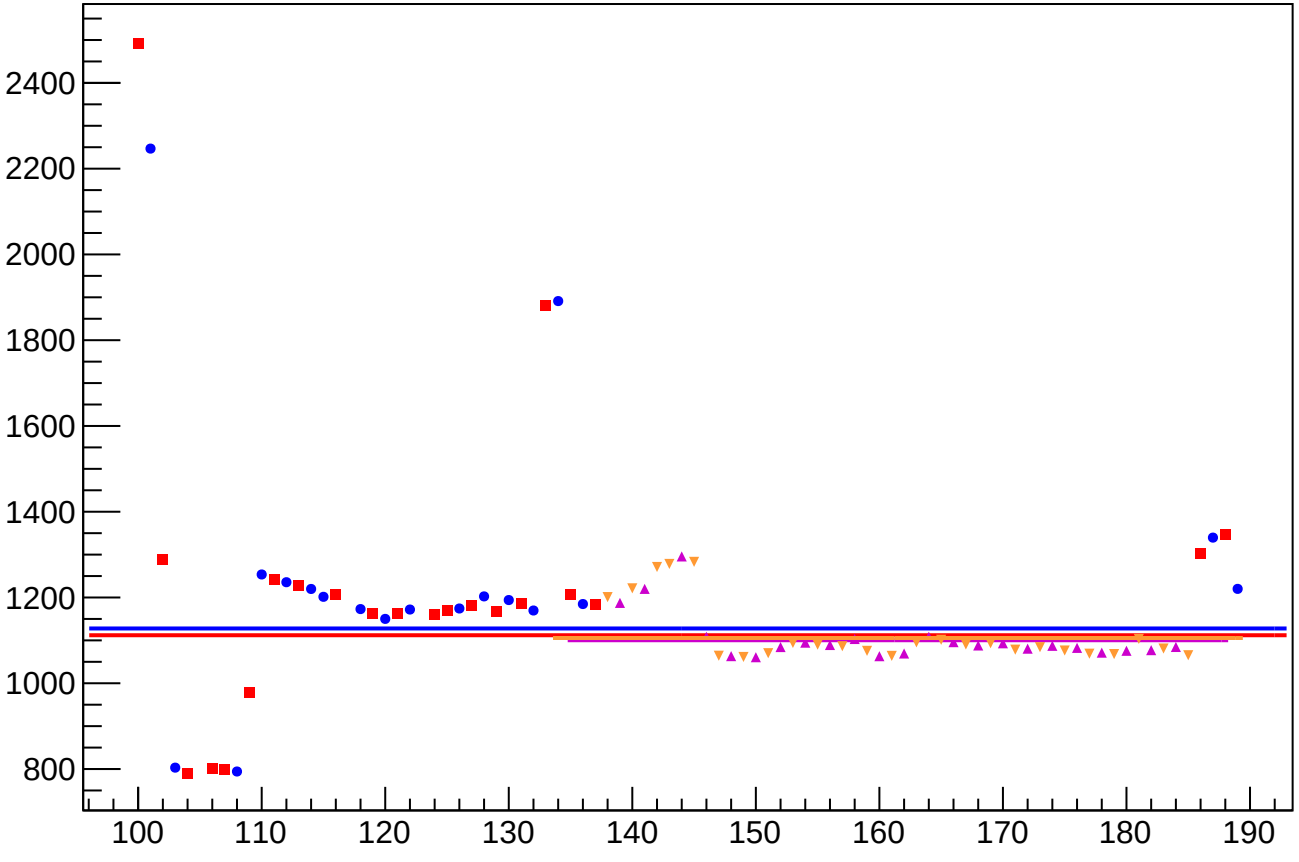
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign 159.888+/-214.467 χ^2/NDF: 59.6/42

All: 220.577+/-151.559 χ^2/NDF: 91.0/86

- sign 281.119+/-214.207 χ^2/NDF: 31.2/43

cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1127.762+/-0.290 χ^2/NDF: 836464.1/17

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1111.984+/-0.273 χ^2/NDF: 679849.2/20

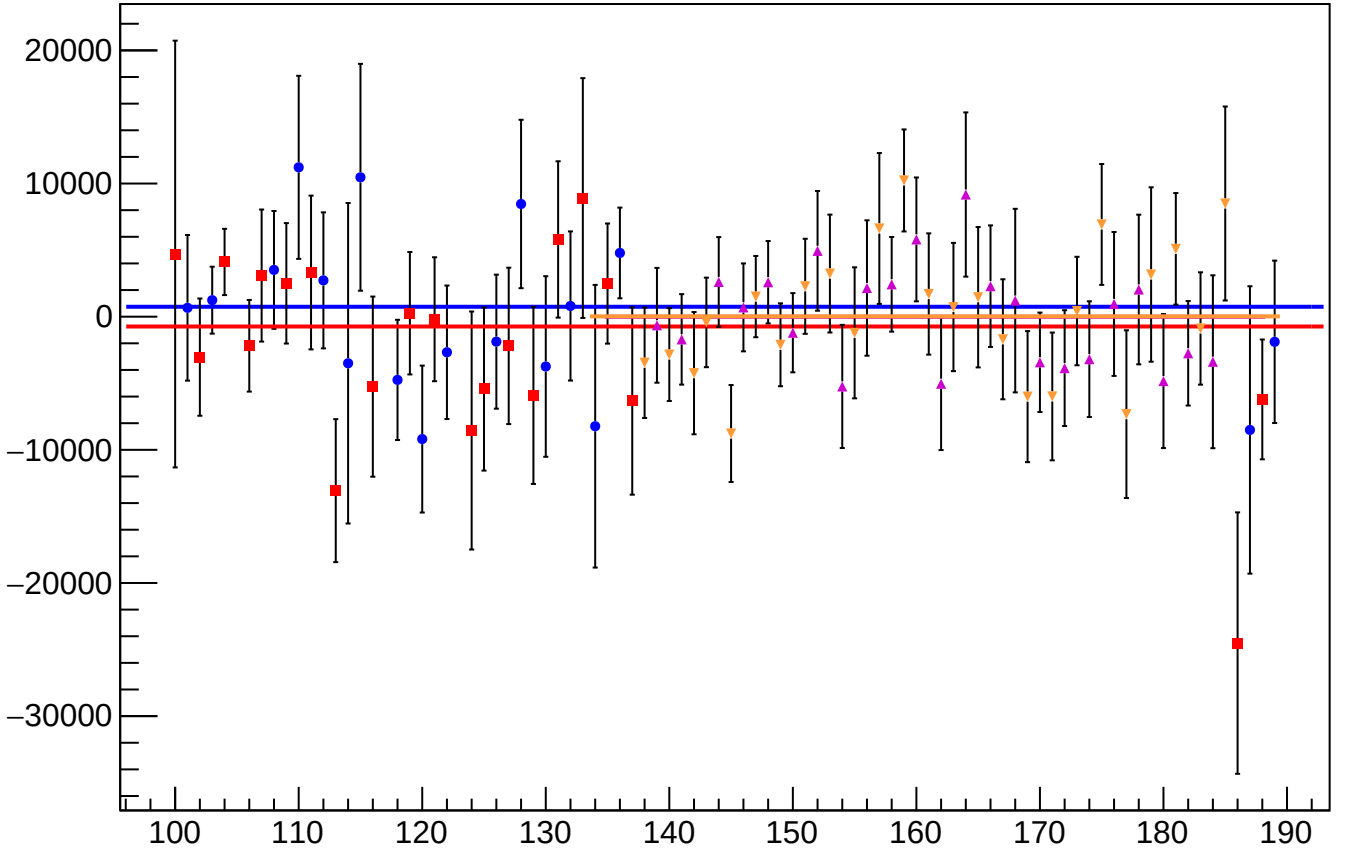
Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1111.614+/-0.152 χ^2/NDF: 962672.7/42

All: 1107.762+/-0.107 χ^2/NDF: 1725307.4/86

- sign 1103.923+/-0.151 χ^2/NDF: 761346.4/43

asym_usr_atr2_dd_cor_correction_mean vs Slug



Right In: 744.915+/-1200.857 χ^2/NDF: 14.8/17

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

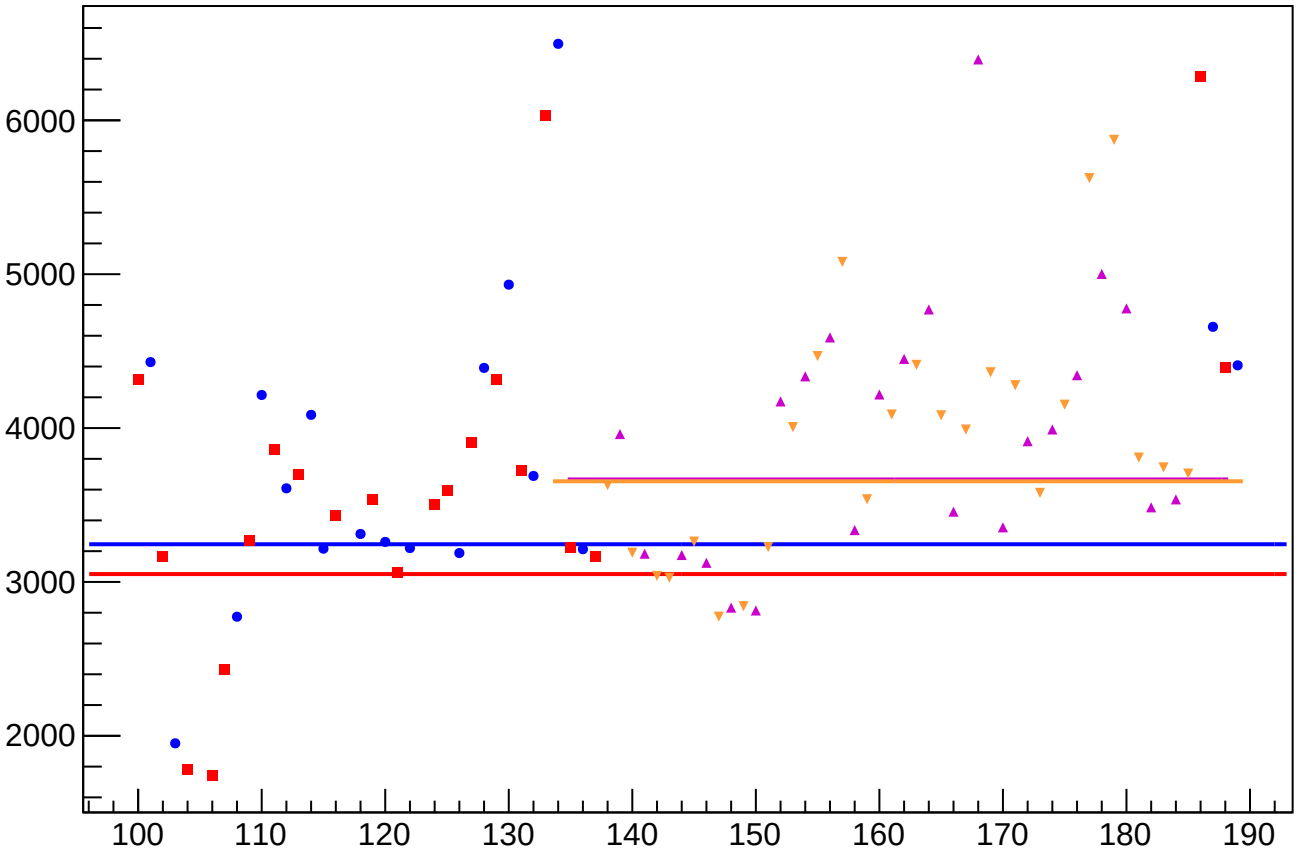
Right Out: -737.083+/-1096.242 χ^2/NDF: 24.6/20

Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

+ sign 264.360+/-694.005 χ^2/NDF: 43.5/42

All: -17.273+/-487.156 χ^2/NDF: 82.7/86

- sign -290.835+/-683.988 χ^2/NDF: 38.9/43



Right In: 3245.003+/-0.849 χ^2/NDF: 1203935.7/17

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3051.203+/-0.775 χ^2/NDF: 1734998.0/20

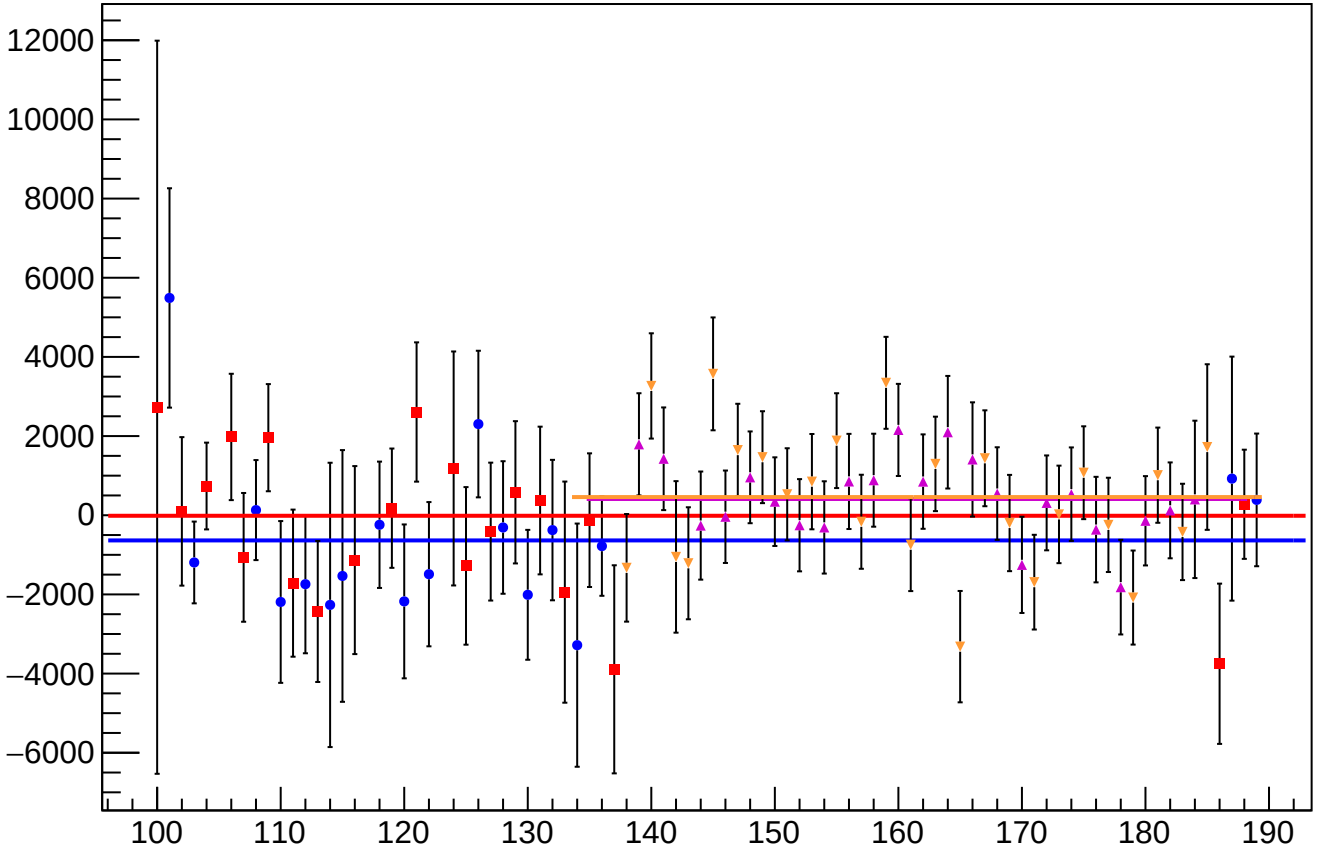
Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

+ sign 3517.526+/-0.491 χ^2/NDF: 2670365.0/42

All: 3471.468+/-0.344 χ^2/NDF: 6150739.1/86

- sign 3426.729+/-0.484 χ^2/NDF: 3463008.8/43

eigen_cor_asym_usr_atr2_dd_mean vs Slug



Right In: -636.099+/-410.443 χ^2/NDF: 12.4/17

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: -13.295+/-386.994 χ^2/NDF: 16.7/20

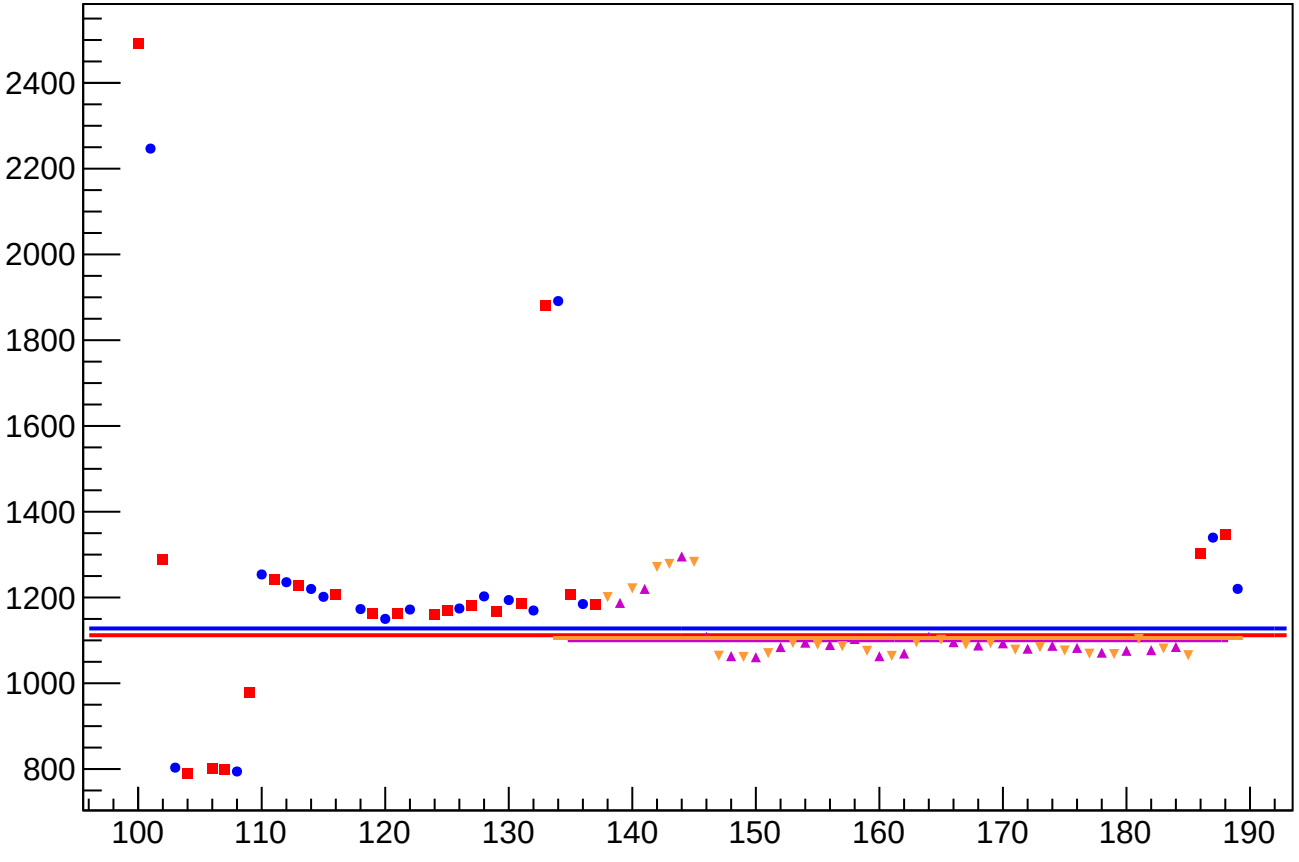
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign 159.888+/-214.467 χ^2/NDF: 59.6/42

All: 220.577+/-151.559 χ^2/NDF: 91.0/86

- sign 281.119+/-214.207 χ^2/NDF: 31.2/43

eigen_cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1127.762+/-0.290 χ^2/NDF: 836464.1/17

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

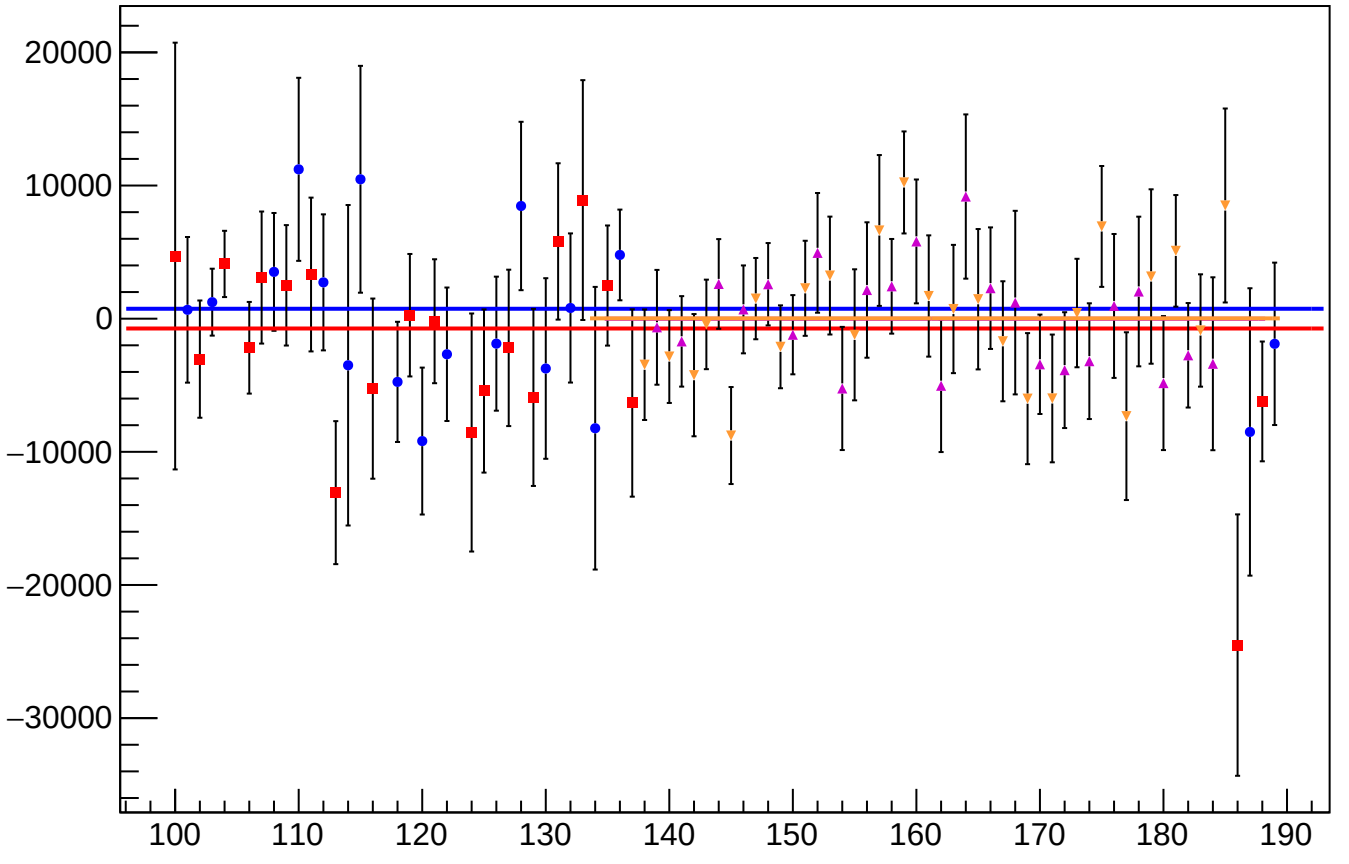
Right Out: 1111.984+/-0.273 χ^2/NDF: 679849.2/20

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1111.614+/-0.152 χ^2/NDF: 962672.7/42

All: 1107.762+/-0.107 χ^2/NDF: 1725307.4/86

- sign 1103.923+/-0.151 χ^2/NDF: 761346.4/43



Right In: 744.915+/-1200.857 χ^2/NDF: 14.8/17

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

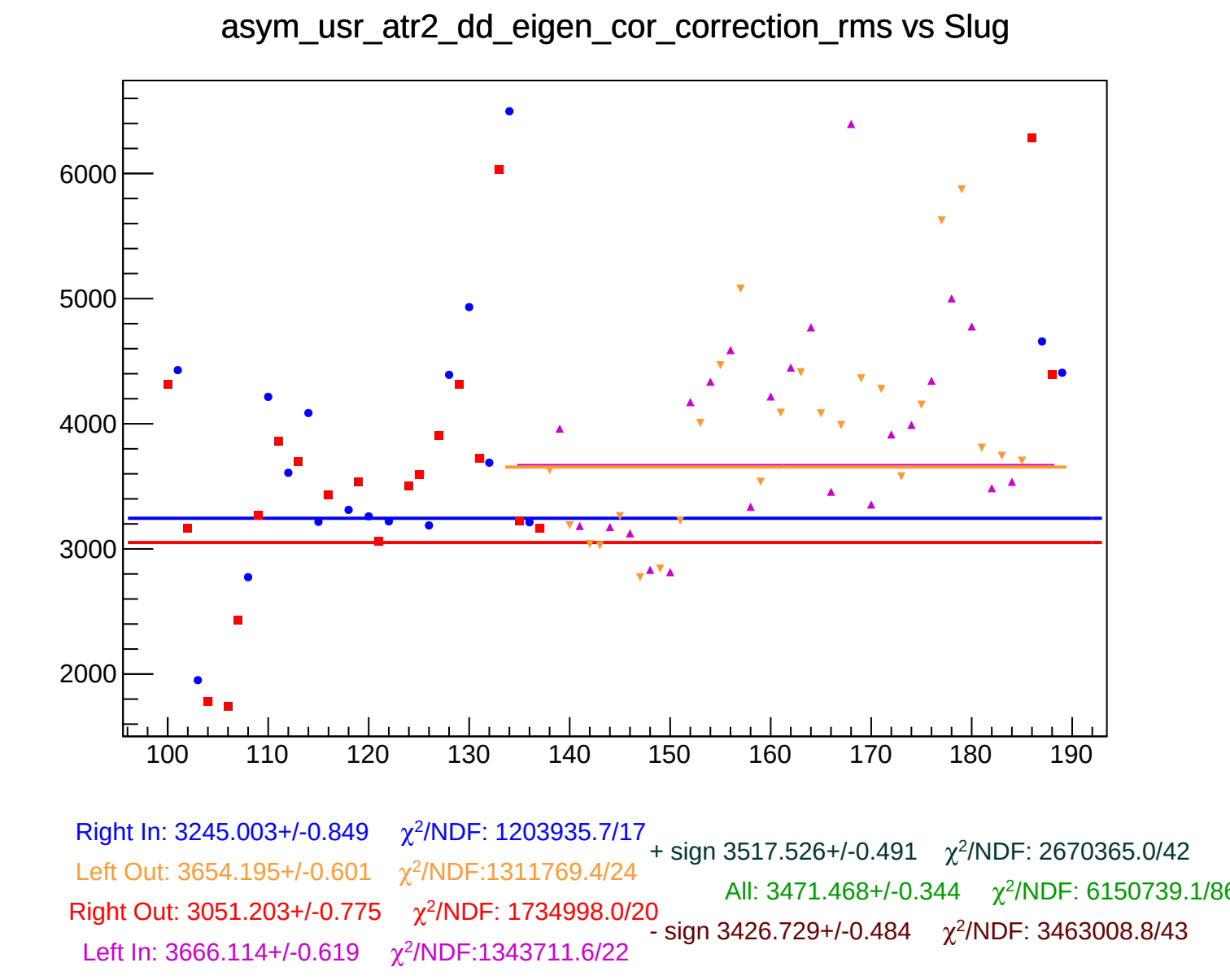
Right Out: -737.083+/-1096.242 χ^2/NDF: 24.6/20

Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

+ sign 264.360+/-694.005 χ^2/NDF: 43.5/42

All: -17.273+/-487.156 χ^2/NDF: 82.7/86

- sign -290.835+/-683.988 χ^2/NDF: 38.9/43


asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug
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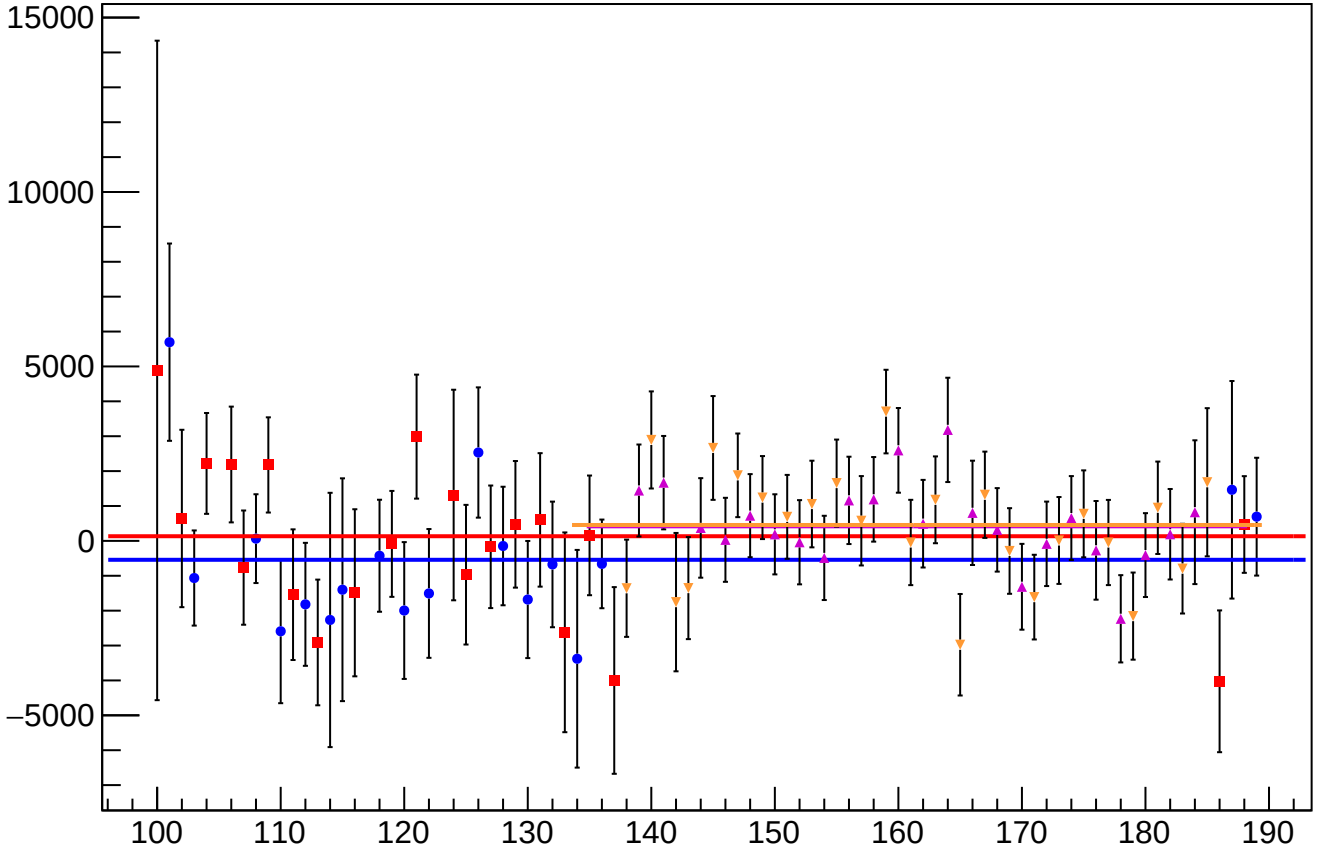
Right In: 3245.003+/-0.849 χ²/NDF: 1203935.7/17
Left Out: 3654.195+/-0.601 χ²/NDF:1311769.4/24
Right Out: 3051.203+/-0.775 χ²/NDF: 1734998.0/20
Left In: 3666.114+/-0.619 χ²/NDF:1343711.6/22
+ sign 3517.526+/-0.491 χ²/NDF: 2670365.0/42
All: 3471.468+/-0.344 χ²/NDF: 6150739.1/86
- sign 3426.729+/-0.484 χ²/NDF: 3463008.8/43

dit_asym_usr_atr2_dd_mean vs Slug



Right In: -542.133+/-429.344 χ^2/NDF: 12.9/17

Left Out: 455.711+/-261.005 χ^2/NDF:36.1/24

Right Out: 133.301+/-406.163 χ^2/NDF: 21.3/20

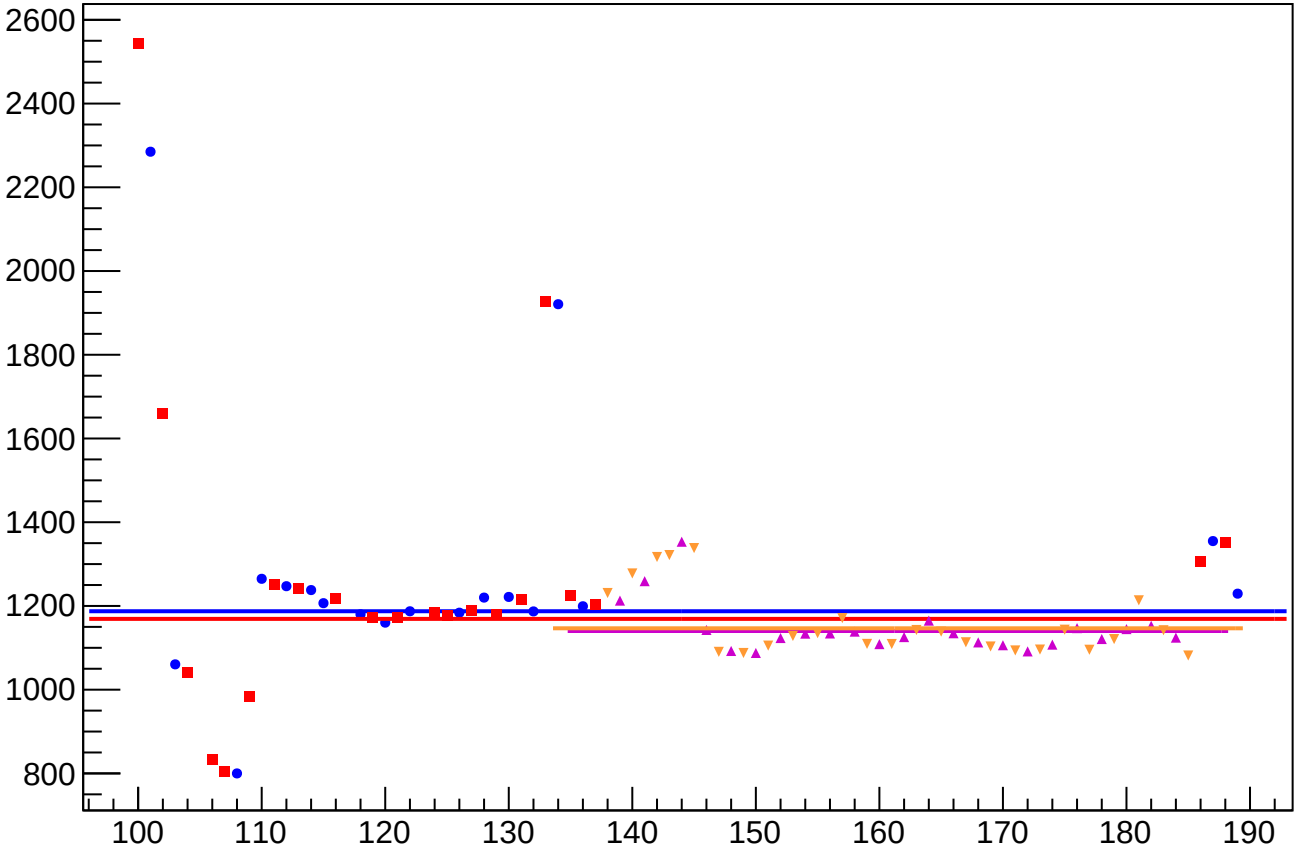
Left In: 417.202+/-266.582 χ^2/NDF:17.3/22

+ sign 186.452+/-223.028 χ^2/NDF: 53.0/42

All: 259.141+/-157.647 χ^2/NDF: 92.2/86

- sign 331.724+/-222.866 χ^2/NDF: 39.0/43

dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1187.383+/-0.304 χ^2/NDF: 629303.3/17

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

Right Out: 1169.110+/-0.287 χ^2/NDF: 548348.8/20

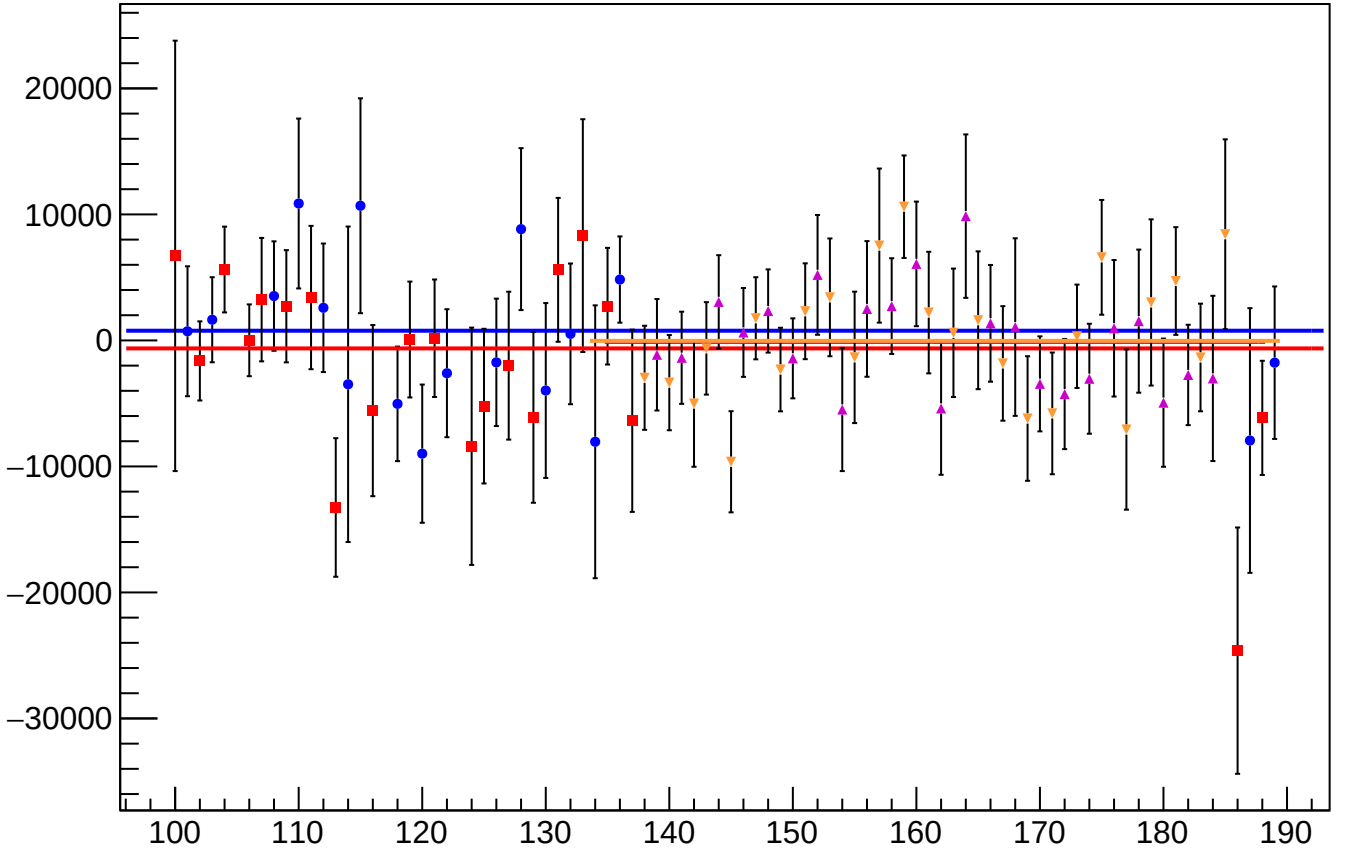
Left In: 1140.168+/-0.189 χ^2/NDF:84737.4/22

+ sign 1157.615+/-0.158 χ^2/NDF: 783487.0/42

All: 1153.247+/-0.111 χ^2/NDF: 1425207.6/86

- sign 1148.887+/-0.158 χ^2/NDF: 640187.7/43

asym_usr_atr2_dd_dit_correction_mean vs Slug



Right In: 769.561+/-1264.017 χ^2/NDF: 14.8/17

Left Out: -33.549+/-891.370 χ^2/NDF:27.8/24

Right Out: -634.299+/-1090.237 χ^2/NDF: 24.0/20

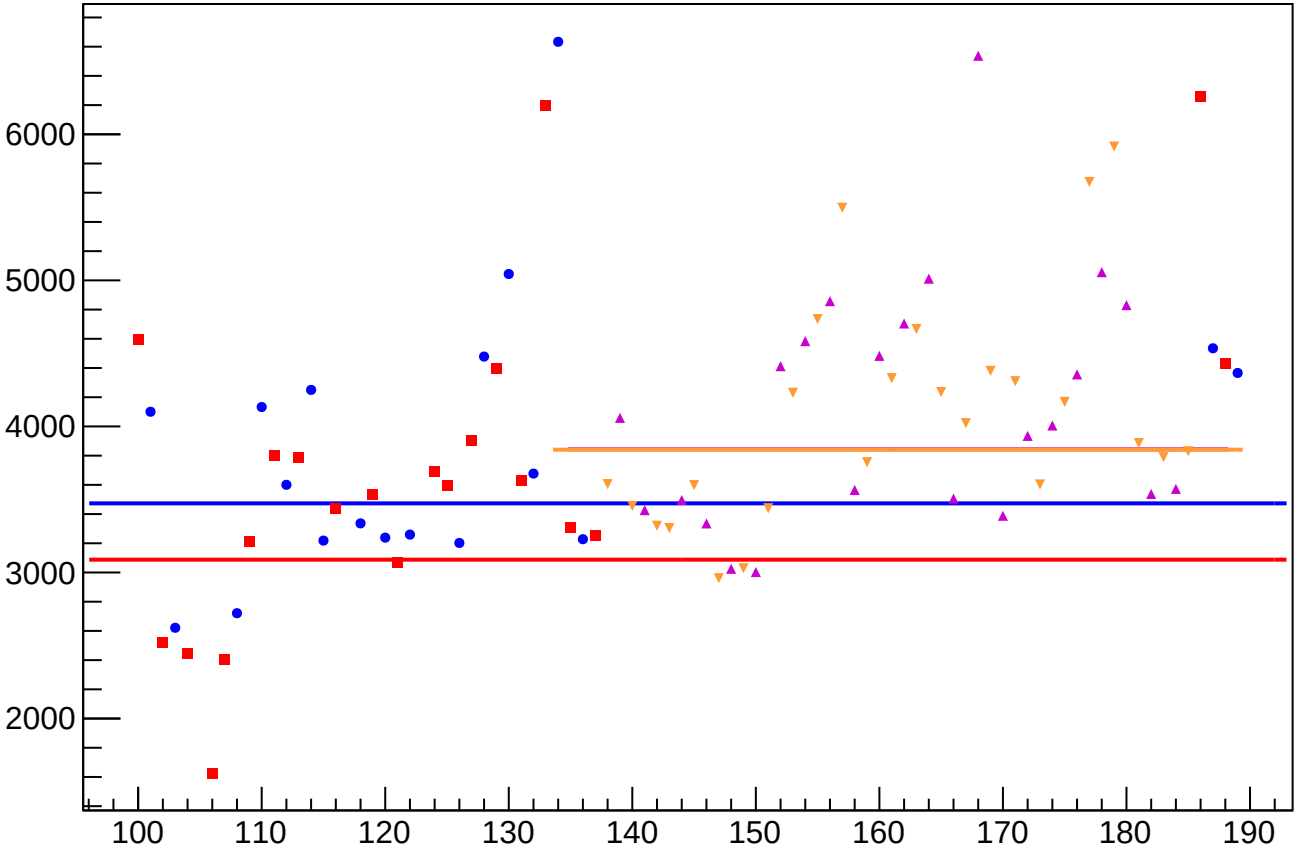
Left In: -121.051+/-915.714 χ^2/NDF:13.8/22

+ sign 233.186+/-728.459 χ^2/NDF: 42.8/42

All: -60.886+/-505.183 χ^2/NDF: 81.0/86

- sign -333.357+/-701.194 χ^2/NDF: 37.9/43

asym_usr_atr2_dd_dit_correction_rms vs Slug



Right In: 3473.288+/-0.894 χ^2/NDF: 660256.4/17

Left Out: 3840.830+/-0.630 χ^2/NDF:1118666.6/24

Right Out: 3087.789+/-0.771 χ^2/NDF: 1579665.9/20

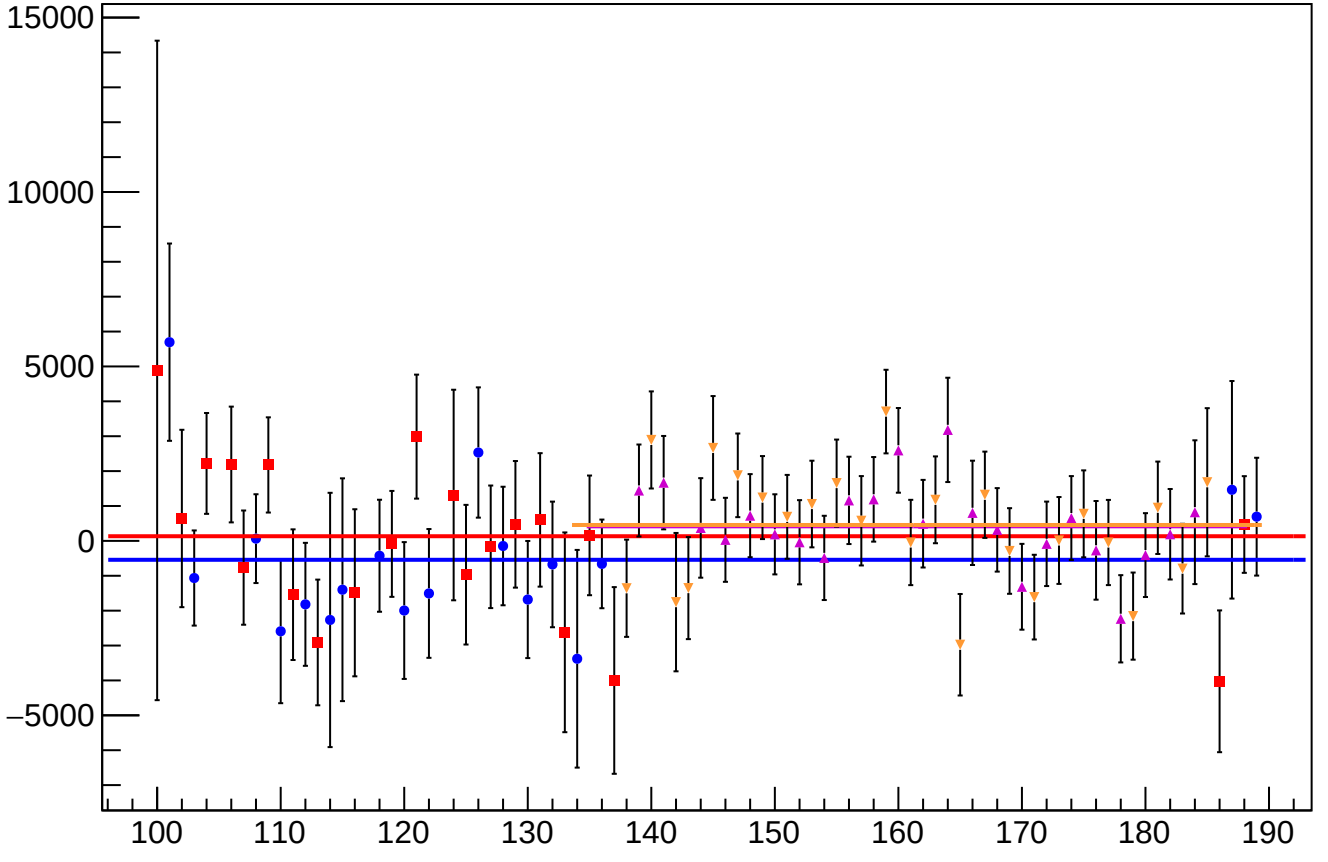
Left In: 3843.328+/-0.648 χ^2/NDF:1196057.8/22

+ sign 3718.760+/-0.515 χ^2/NDF: 1891858.8/42

All: 3621.196+/-0.357 χ^2/NDF: 5299892.6/86

- sign 3530.798+/-0.496 χ^2/NDF: 3338918.1/43

eigen_dit_asym_usr_atr2_dd_mean vs Slug



Right In: -542.137+/-429.343 χ^2/NDF: 12.9/17

Left Out: 455.716+/-261.006 χ^2/NDF:36.1/24

Right Out: 133.307+/-406.163 χ^2/NDF: 21.3/20

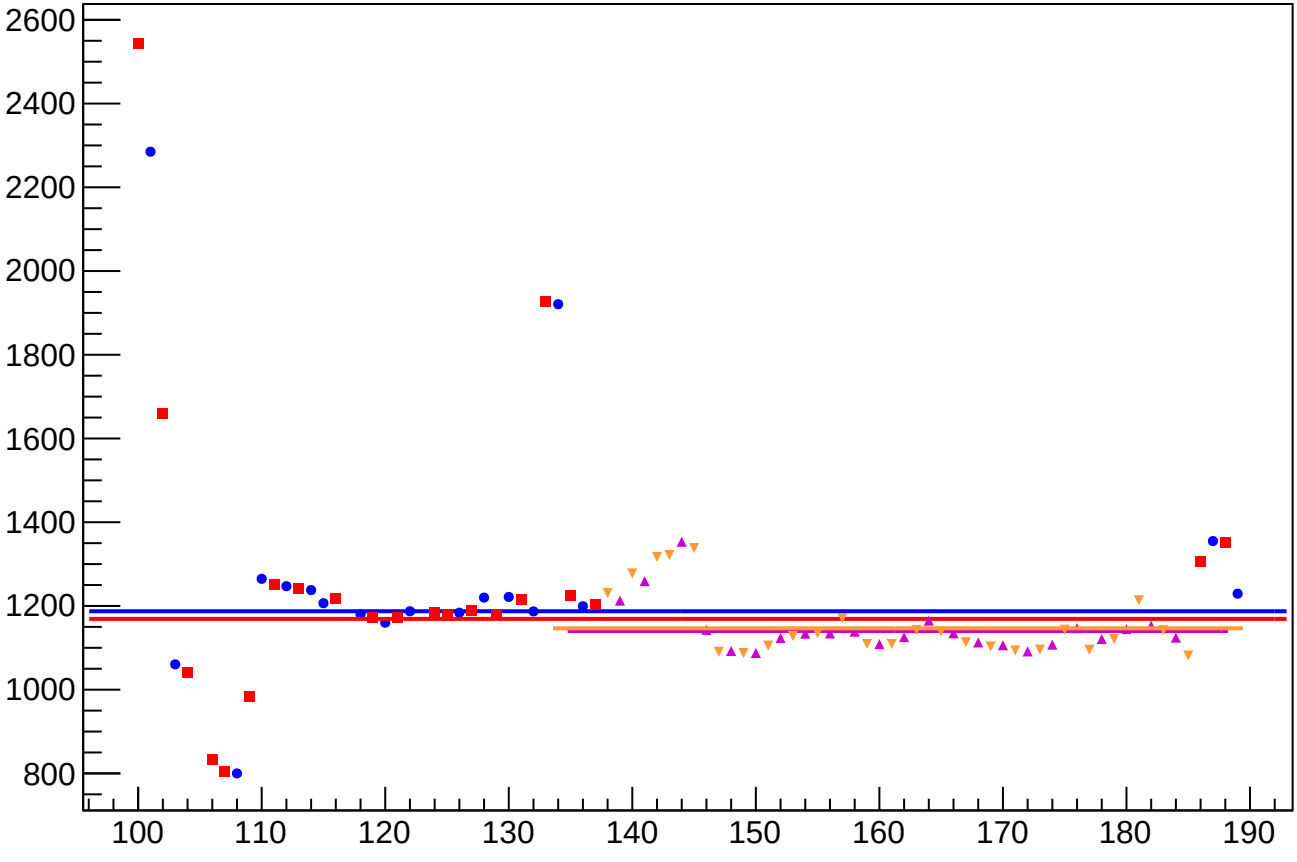
Left In: 417.201+/-266.583 χ^2/NDF:17.3/22

+ sign 186.454+/-223.028 χ^2/NDF: 53.0/42

All: 259.142+/-157.647 χ^2/NDF: 92.2/86

- sign 331.725+/-222.866 χ^2/NDF: 39.0/43

eigen_dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1187.383+/-0.304 χ^2/NDF: 629303.5/17

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

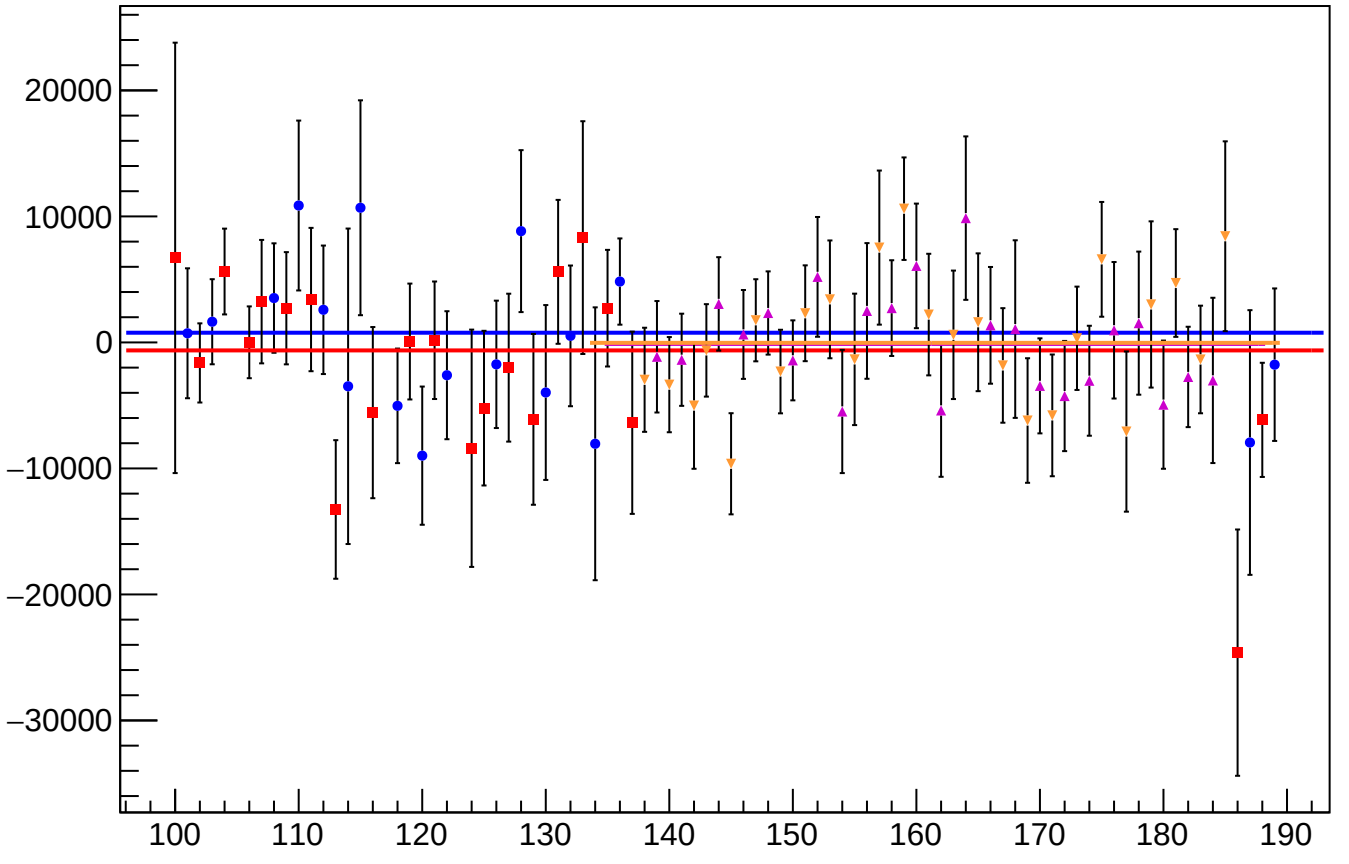
Right Out: 1169.110+/-0.287 χ^2/NDF: 548348.4/20

Left In: 1140.169+/-0.189 χ^2/NDF:84737.2/22

+ sign 1157.615+/-0.158 χ^2/NDF: 783486.6/42

All: 1153.248+/-0.111 χ^2/NDF: 1425206.2/86

- sign 1148.887+/-0.158 χ^2/NDF: 640186.8/43



Right In: 769.545+/-1264.016 χ^2/NDF: 14.8/17

Left Out: -33.548+/-891.372 χ^2/NDF:27.8/24

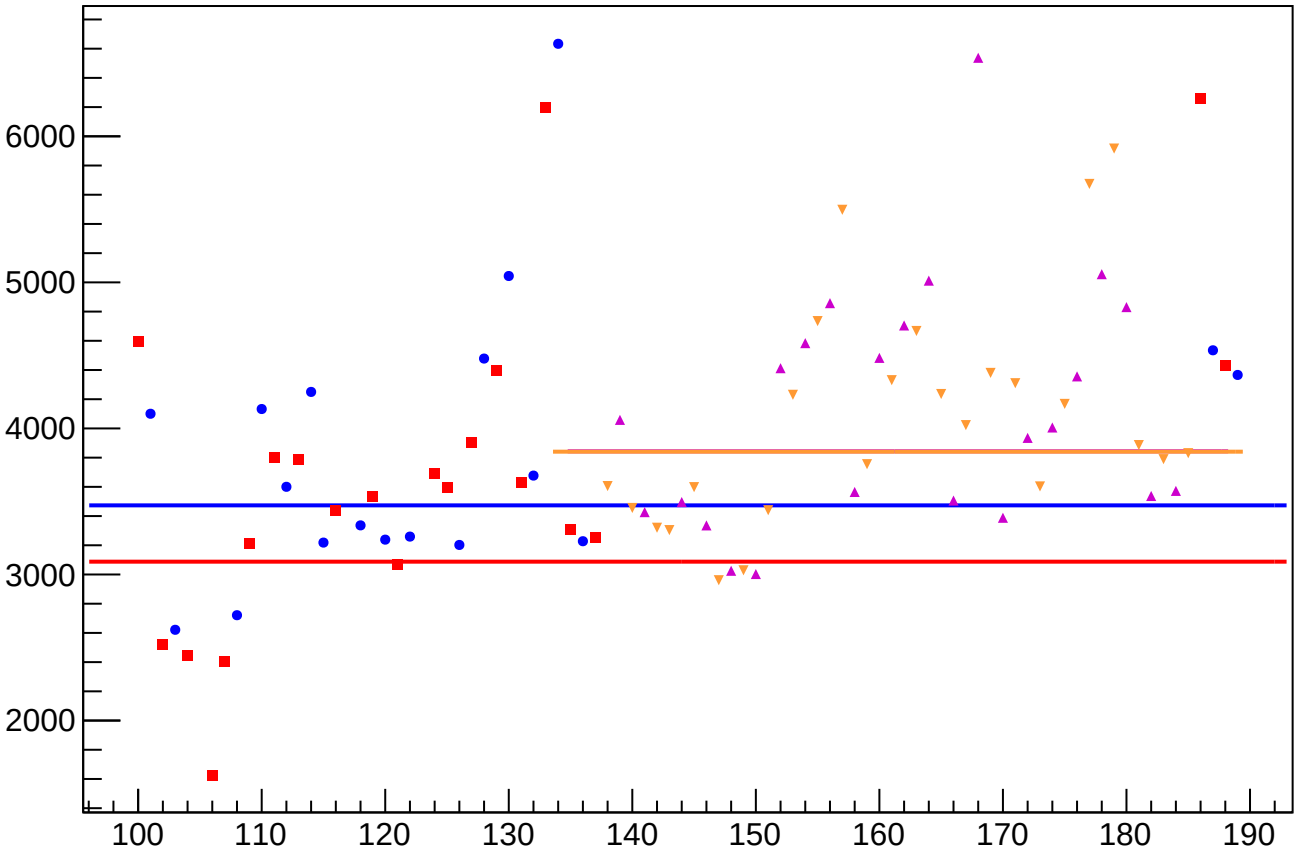
Right Out: -634.291+/-1090.236 χ^2/NDF: 24.0/20

Left In: -121.054+/-915.716 χ^2/NDF:13.8/22

+ sign 233.182+/-728.459 χ^2/NDF: 42.8/42

All: -60.888+/-505.183 χ^2/NDF: 81.0/86

- sign -333.356+/-701.194 χ^2/NDF: 37.9/43



Right In: 3473.285+/-0.894 χ^2/NDF: 660253.3/17

Left Out: 3840.836+/-0.630 χ^2/NDF:1118668.2/24

Right Out: 3087.784+/-0.771 χ^2/NDF: 1579668.3/20

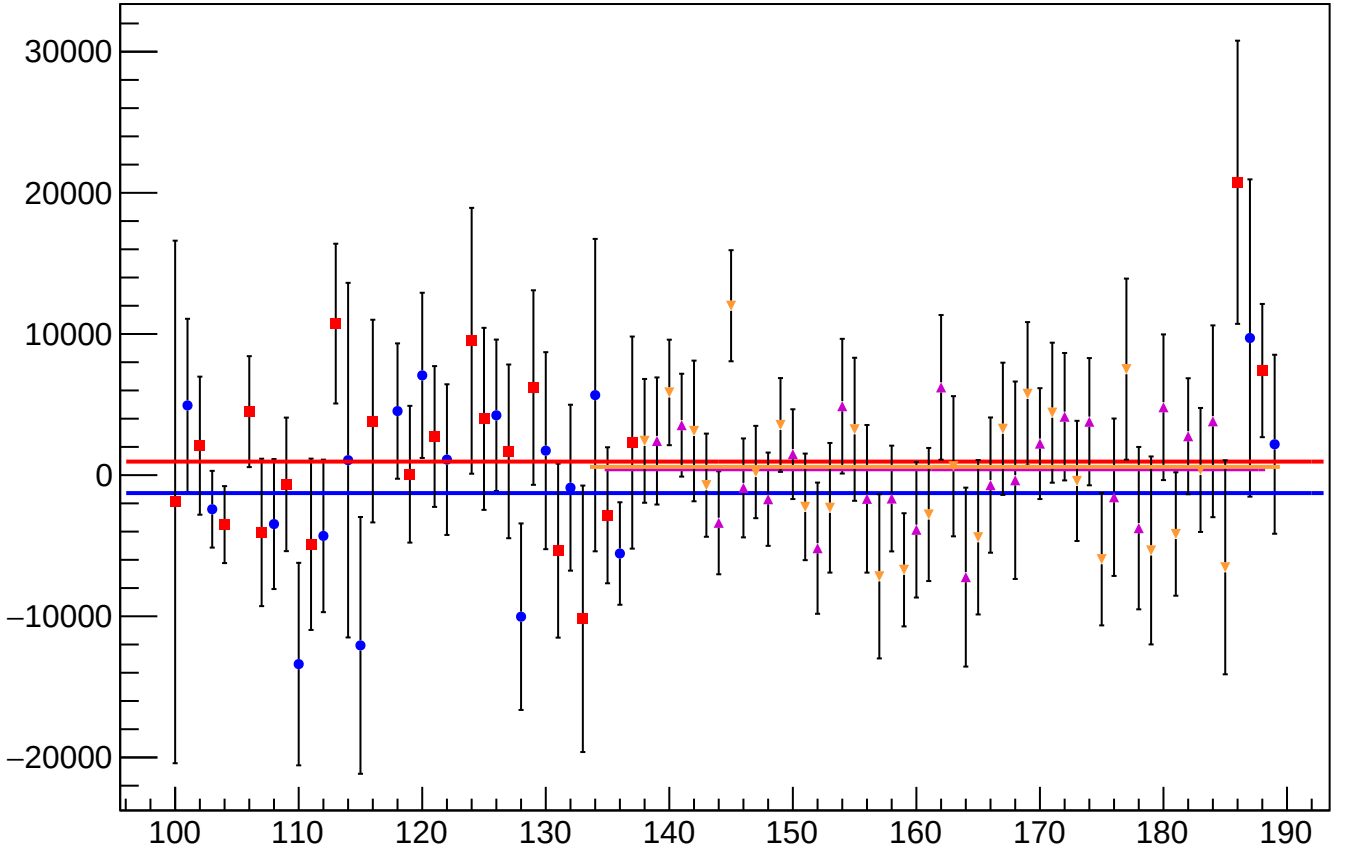
Left In: 3843.333+/-0.648 χ^2/NDF:1196061.6/22

+ sign 3718.762+/-0.515 χ^2/NDF: 1891862.5/42

All: 3621.197+/-0.357 χ^2/NDF: 5299919.0/86

- sign 3530.798+/-0.496 χ^2/NDF: 3338939.1/43

asym_usr_atr2_dd_mean vs Slug



Right In: -1271.497+/-1277.332 χ^2/NDF: 15.8/17

Left Out: 583.278+/-894.900 χ^2/NDF:27.4/24

Right Out: 959.837+/-1176.912 χ^2/NDF: 19.3/20

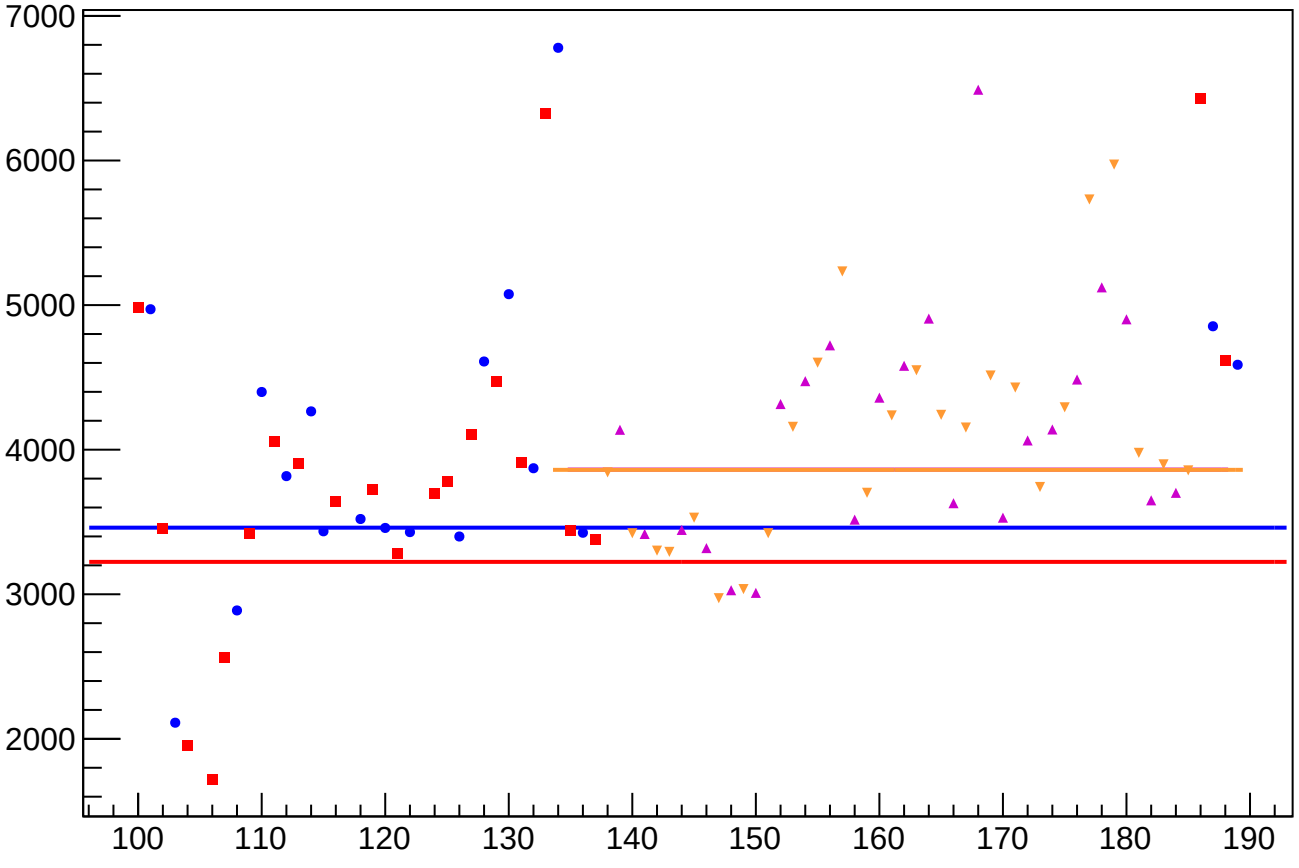
Left In: 416.803+/-919.006 χ^2/NDF:12.5/22

\+ sign -27.384+/-732.924 χ^2/NDF: 44.6/42

All: 301.386+/-515.192 χ^2/NDF: 77.0/86

\- sign 622.496+/-724.335 χ^2/NDF: 31.9/43

asym_usr_atr2_dd_rms vs Slug



Right In: 3460.685+/-0.903 χ^2/NDF: 1147838.5/17

Left Out: 3860.536+/-0.633 χ^2/NDF:1097292.6/24

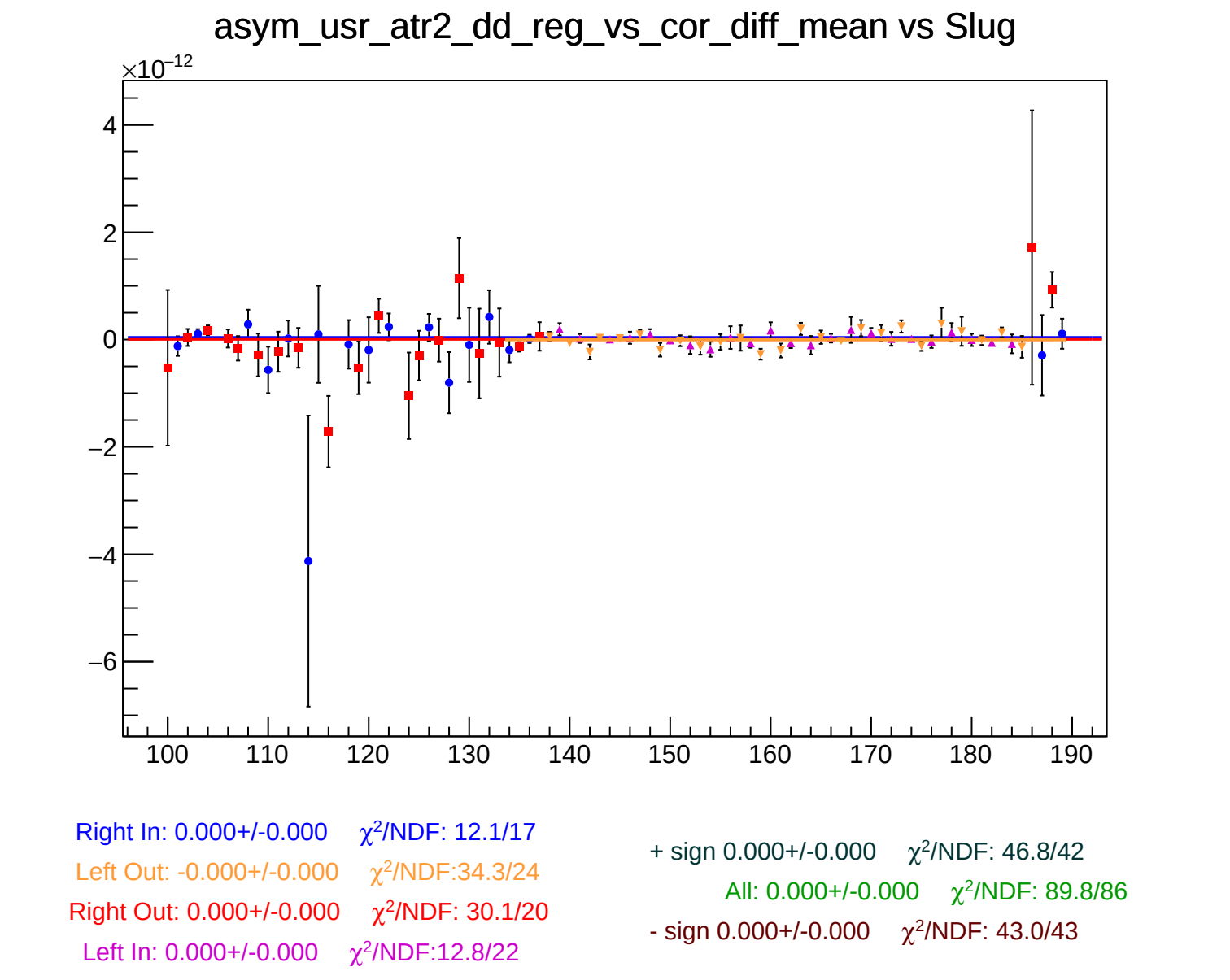
Right Out: 3224.011+/-0.819 χ^2/NDF: 1732121.1/20

Left In: 3862.339+/-0.650 χ^2/NDF:1142179.8/22

+ sign 3728.890+/-0.518 χ^2/NDF: 2376589.1/42

All: 3671.360+/-0.363 χ^2/NDF: 5647714.7/86

- sign 3615.839+/-0.509 χ^2/NDF: 3246910.8/43


asym_usr_atr2_dd_reg_vs_cor_diff_mean vs Slug
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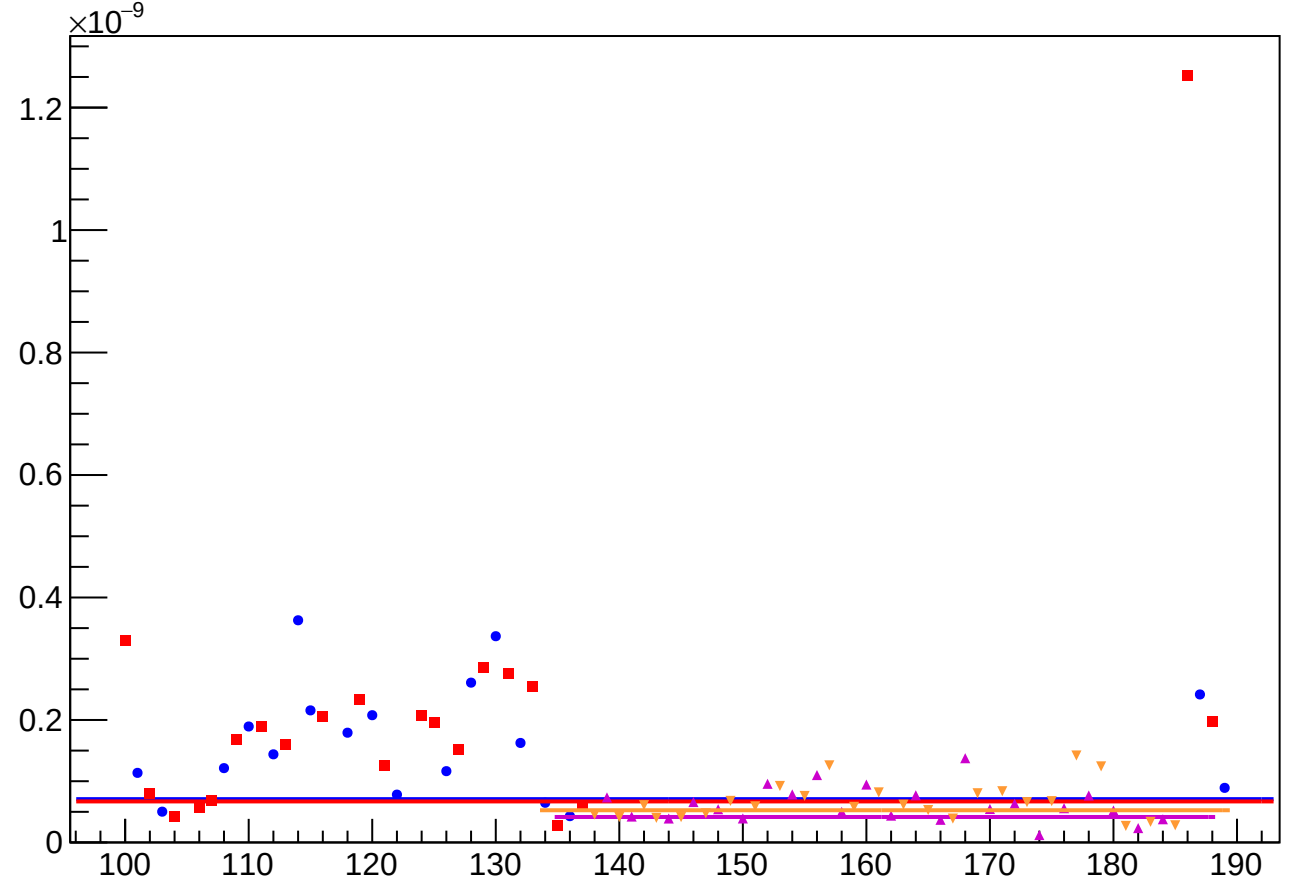
Right In: 0.000+/-0.000 χ²/NDF: 12.1/17
Left Out: -0.000+/-0.000 χ²/NDF:34.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 30.1/20
Left In: 0.000+/-0.000 χ²/NDF:12.8/22
+ sign 0.000+/-0.000 χ²/NDF: 46.8/42
All: 0.000+/-0.000 χ²/NDF: 89.8/86
- sign 0.000+/-0.000 χ²/NDF: 43.0/43



Right In: 0.000+/-0.000 χ^2/NDF: 1843126.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:1611629.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3000232.6/20

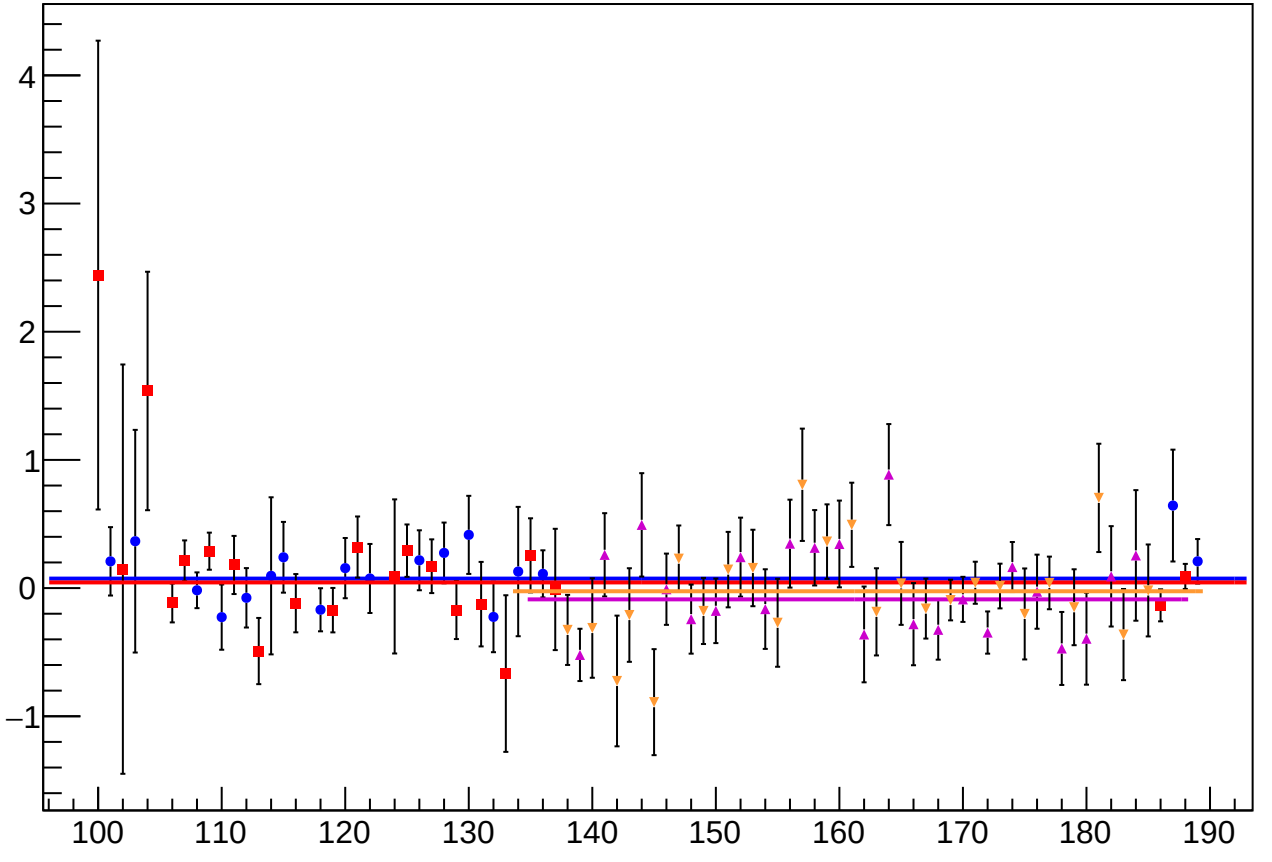
Left In: 0.000+/-0.000 χ^2/NDF:2939628.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 3691886.2/42

All: 0.000+/-0.000 χ^2/NDF: 10409233.8/86

- sign 0.000+/-0.000 χ^2/NDF: 6404840.6/43

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.074+/-0.056 χ^2/NDF: 11.1/17

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: 0.044+/-0.045 χ^2/NDF: 24.6/20

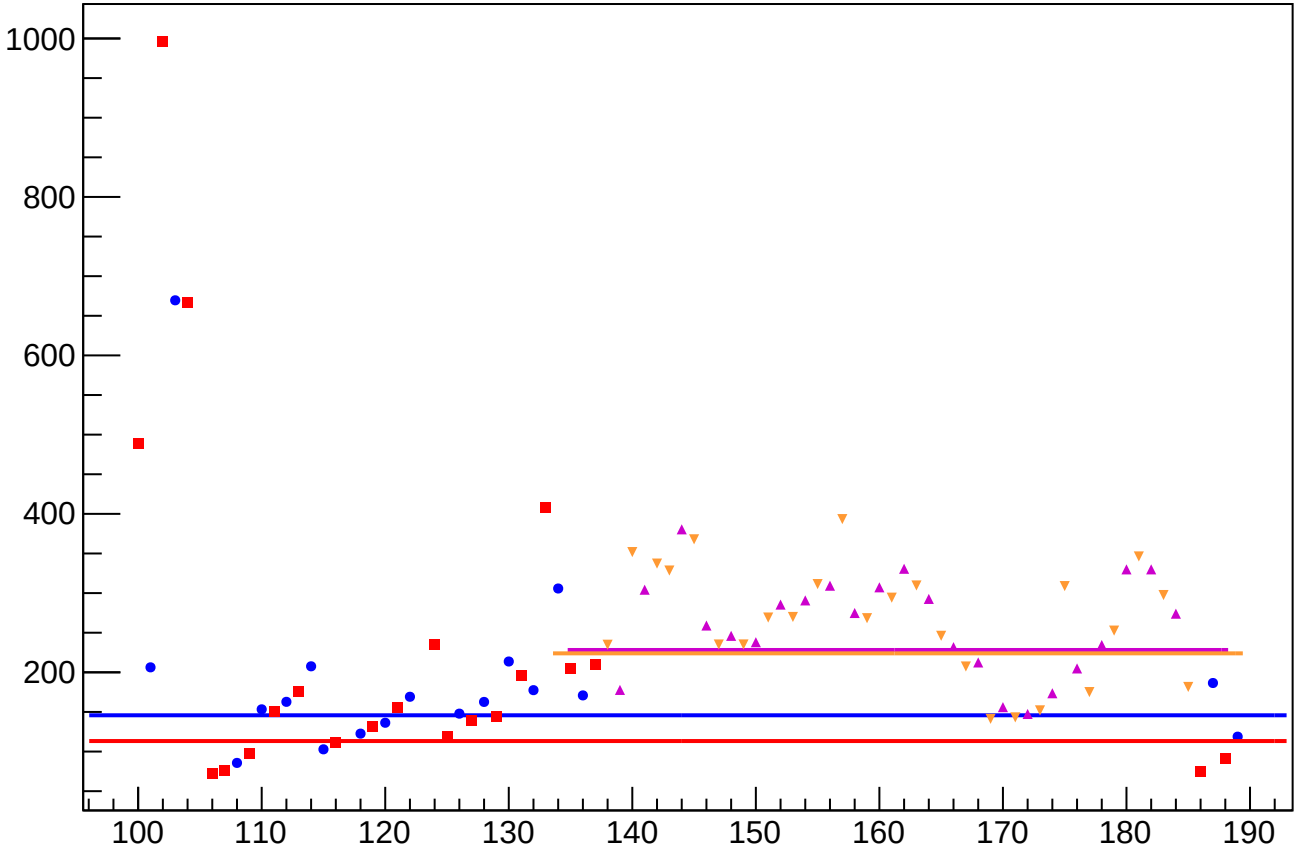
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.023+/-0.039 χ^2/NDF: 36.7/42

All: 0.007+/-0.026 χ^2/NDF: 95.1/86

- sign -0.006+/-0.035 χ^2/NDF: 58.0/43

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 145.785+/-0.040 χ^2/NDF: 1779139.1/17

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

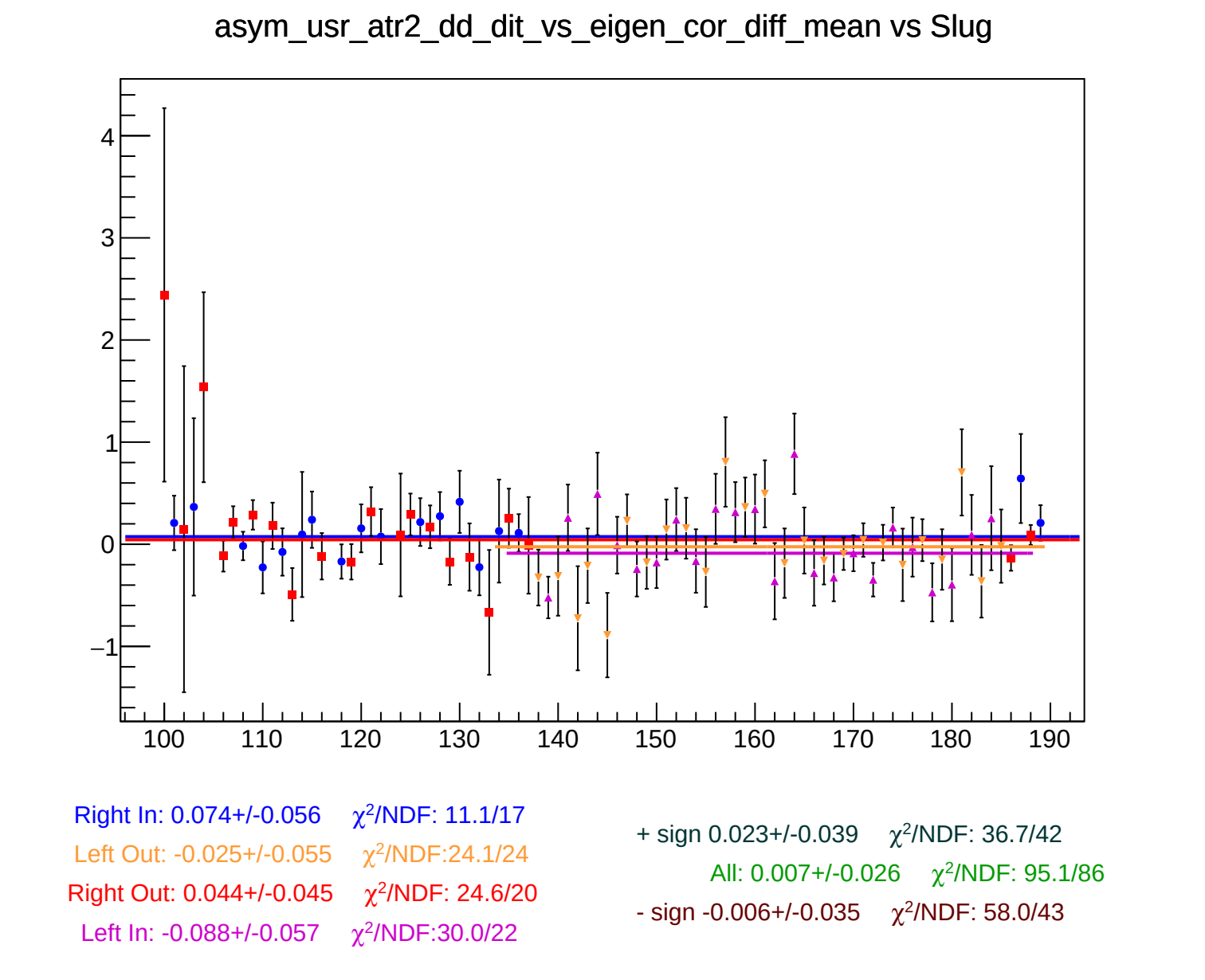
Right Out: 113.268+/-0.032 χ^2/NDF: 3276683.0/20

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

+ sign 186.035+/-0.028 χ^2/NDF: 7205464.7/42

All: 170.012+/-0.018 χ^2/NDF: 18656534.4/86

- sign 157.205+/-0.025 χ^2/NDF: 10849282.4/43


asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug
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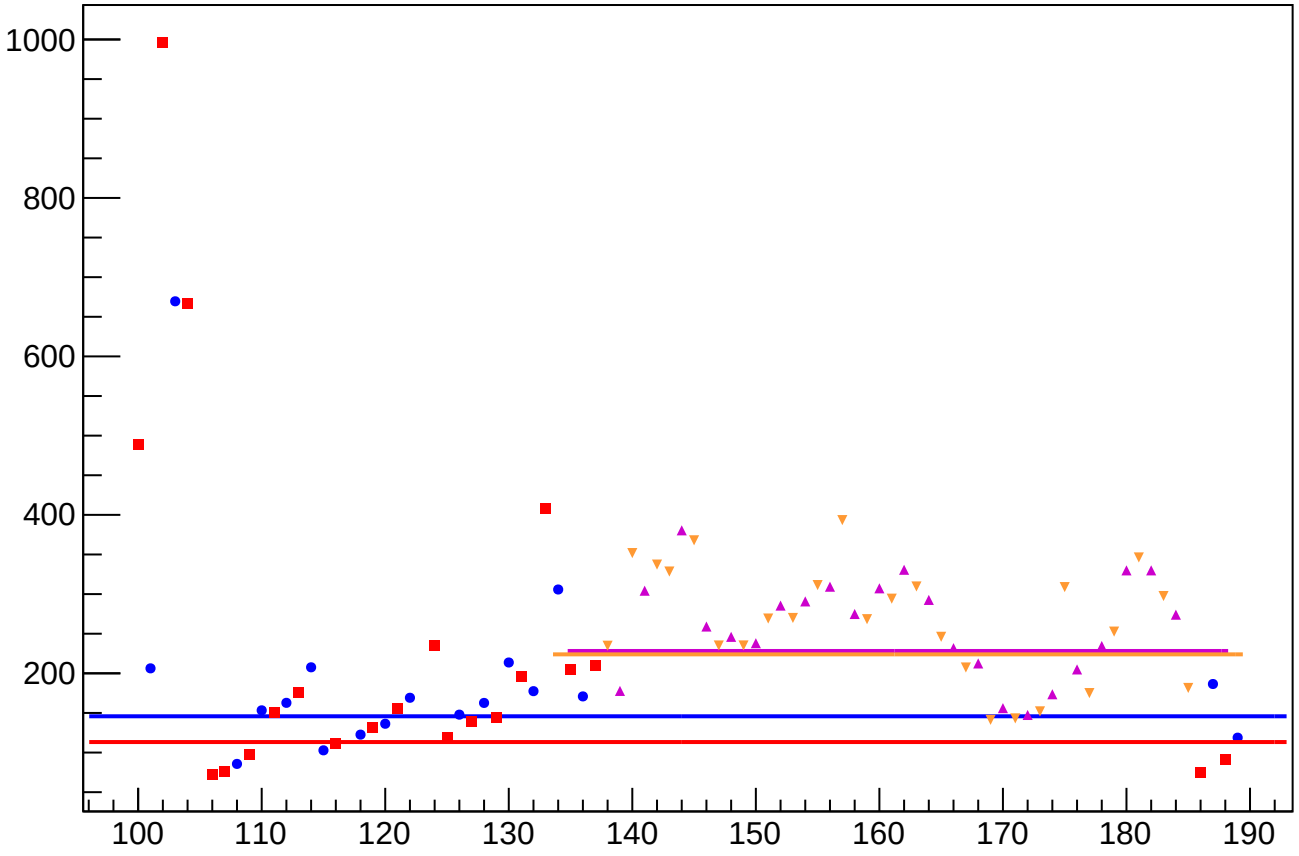
Right In: 0.074+/-0.056 χ²/NDF: 11.1/17
Left Out: -0.025+/-0.055 χ²/NDF:24.1/24
Right Out: 0.044+/-0.045 χ²/NDF: 24.6/20
Left In: -0.088+/-0.057 χ²/NDF:30.0/22
+ sign 0.023+/-0.039 χ²/NDF: 36.7/42
All: 0.007+/-0.026 χ²/NDF: 95.1/86
- sign -0.006+/-0.035 χ²/NDF: 58.0/43

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 145.785+/-0.040 χ^2/NDF: 1779139.1/17

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

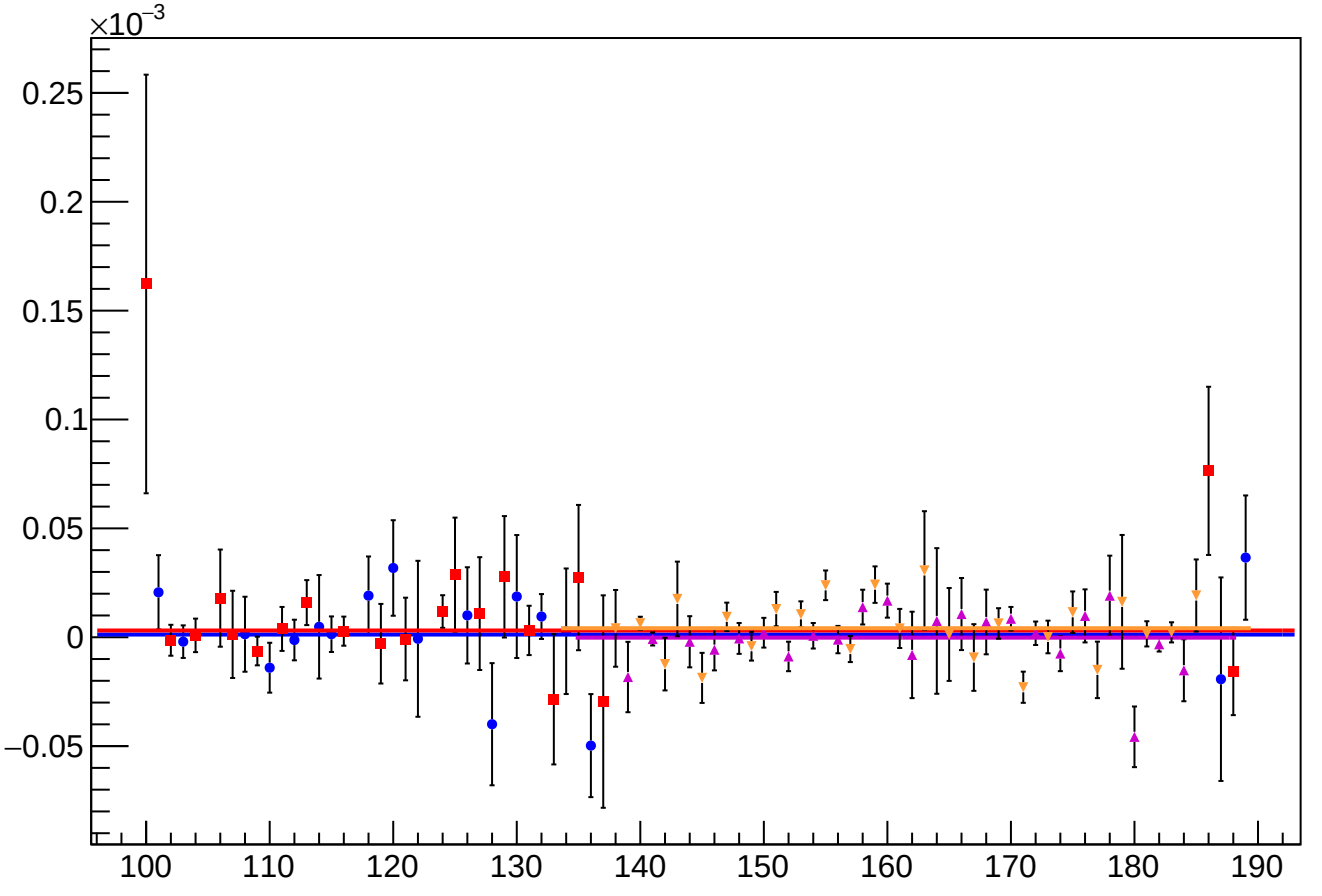
Right Out: 113.268+/-0.032 χ^2/NDF: 3276683.0/20

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

+ sign 186.035+/-0.028 χ^2/NDF: 7205464.7/42

All: 170.012+/-0.018 χ^2/NDF: 18656534.4/86

- sign 157.205+/-0.025 χ^2/NDF: 10849282.4/43



Right In: 0.000+/-0.000 χ^2/NDF: 16.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:48.8/24

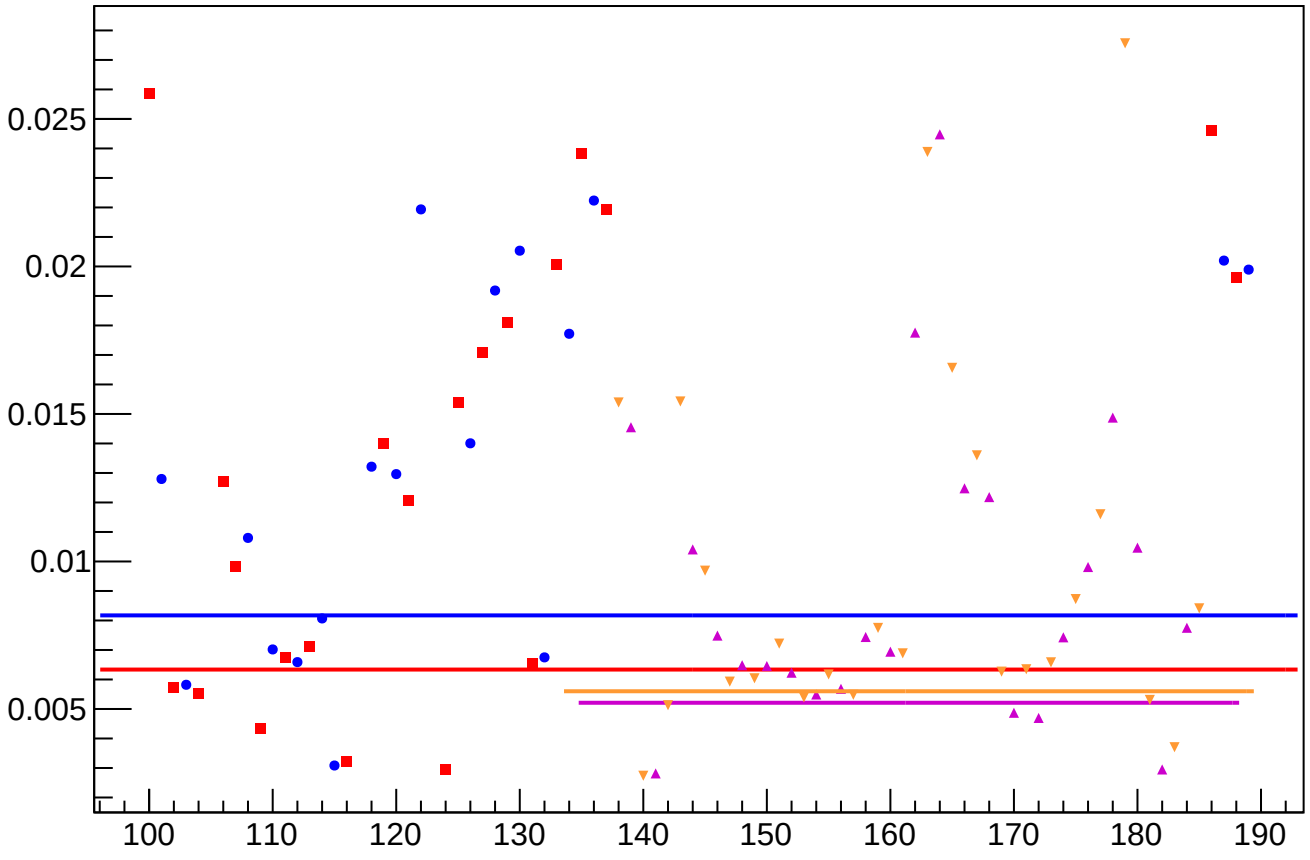
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/20

Left In: -0.000+/-0.000 χ^2/NDF:30.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 65.4/42

All: 0.000+/-0.000 χ^2/NDF: 116.8/86

- sign 0.000+/-0.000 χ^2/NDF: 48.5/43



Right In: 0.008+/-0.000 χ^2/NDF: 4056762.3/17

Left Out: 0.006+/-0.000 χ^2/NDF:7769287.5/24

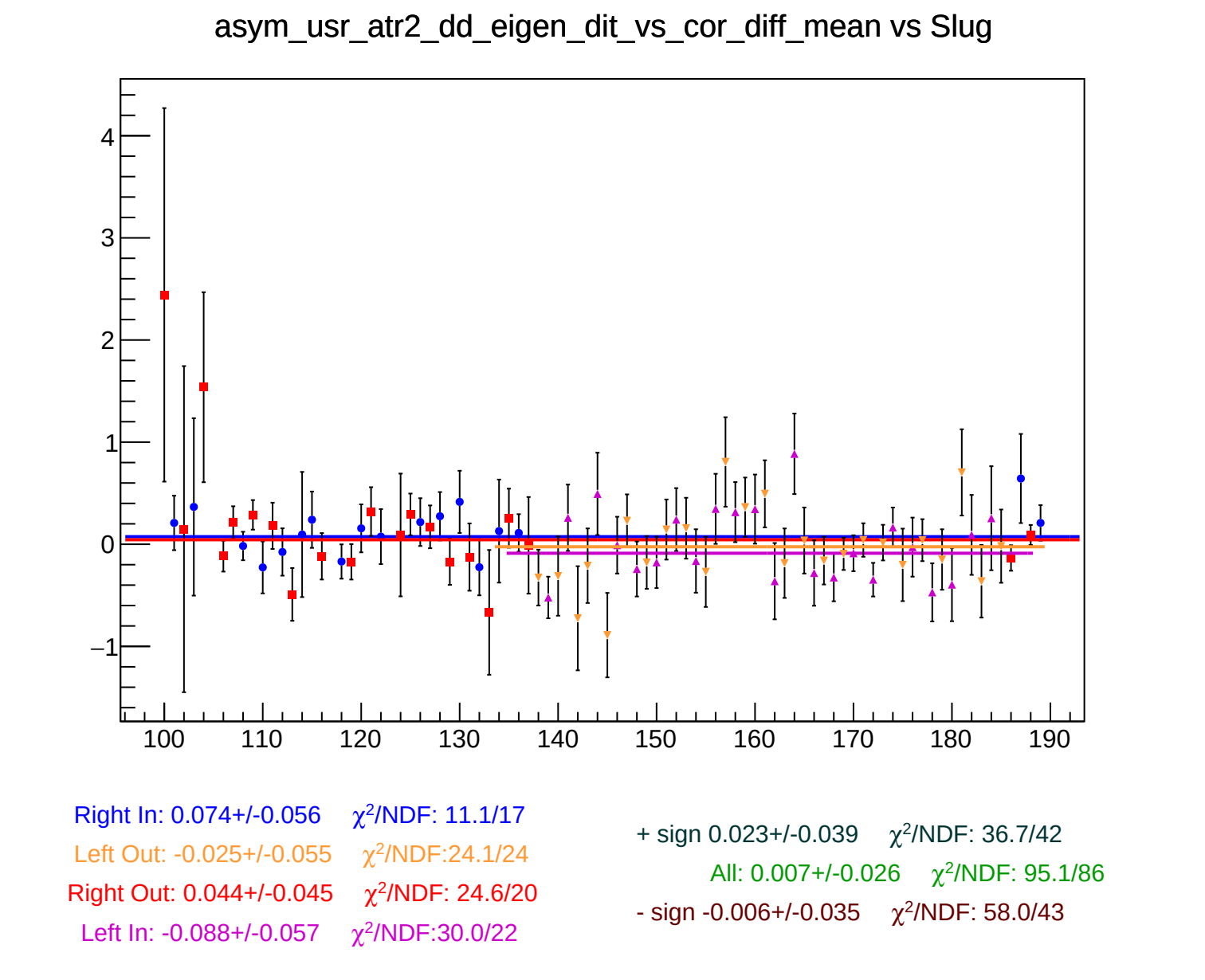
Right Out: 0.006+/-0.000 χ^2/NDF: 5365540.2/20

Left In: 0.005+/-0.000 χ^2/NDF:7460452.2/22

+ sign 0.006+/-0.000 χ^2/NDF: 12777349.6/42

All: 0.006+/-0.000 χ^2/NDF: 26053989.4/86

- sign 0.005+/-0.000 χ^2/NDF: 13112518.6/43


asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug
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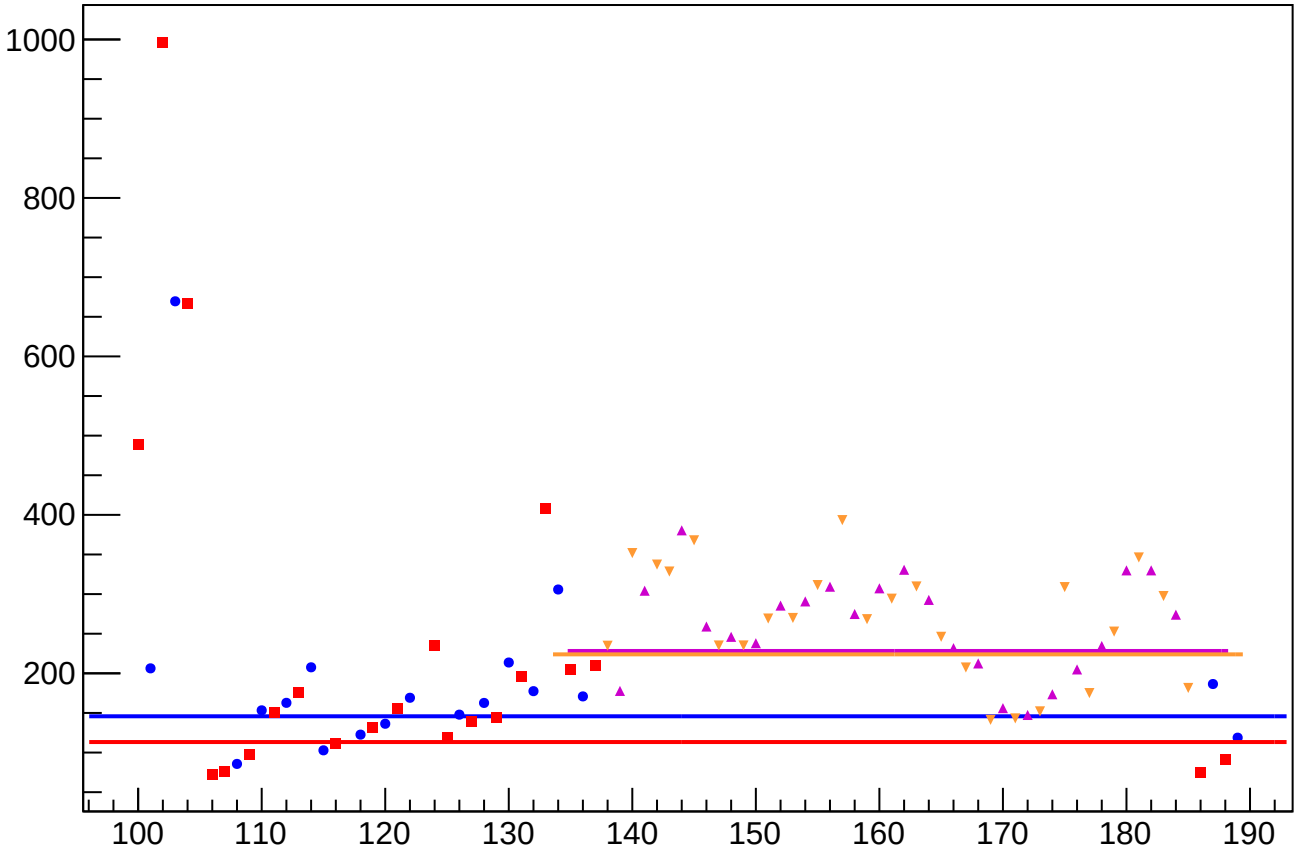
Right In: 0.074+/-0.056 χ²/NDF: 11.1/17
Left Out: -0.025+/-0.055 χ²/NDF:24.1/24
Right Out: 0.044+/-0.045 χ²/NDF: 24.6/20
Left In: -0.088+/-0.057 χ²/NDF:30.0/22
+ sign 0.023+/-0.039 χ²/NDF: 36.7/42
All: 0.007+/-0.026 χ²/NDF: 95.1/86
- sign -0.006+/-0.035 χ²/NDF: 58.0/43

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 145.781+/-0.040 χ^2/NDF: 1779244.2/17

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

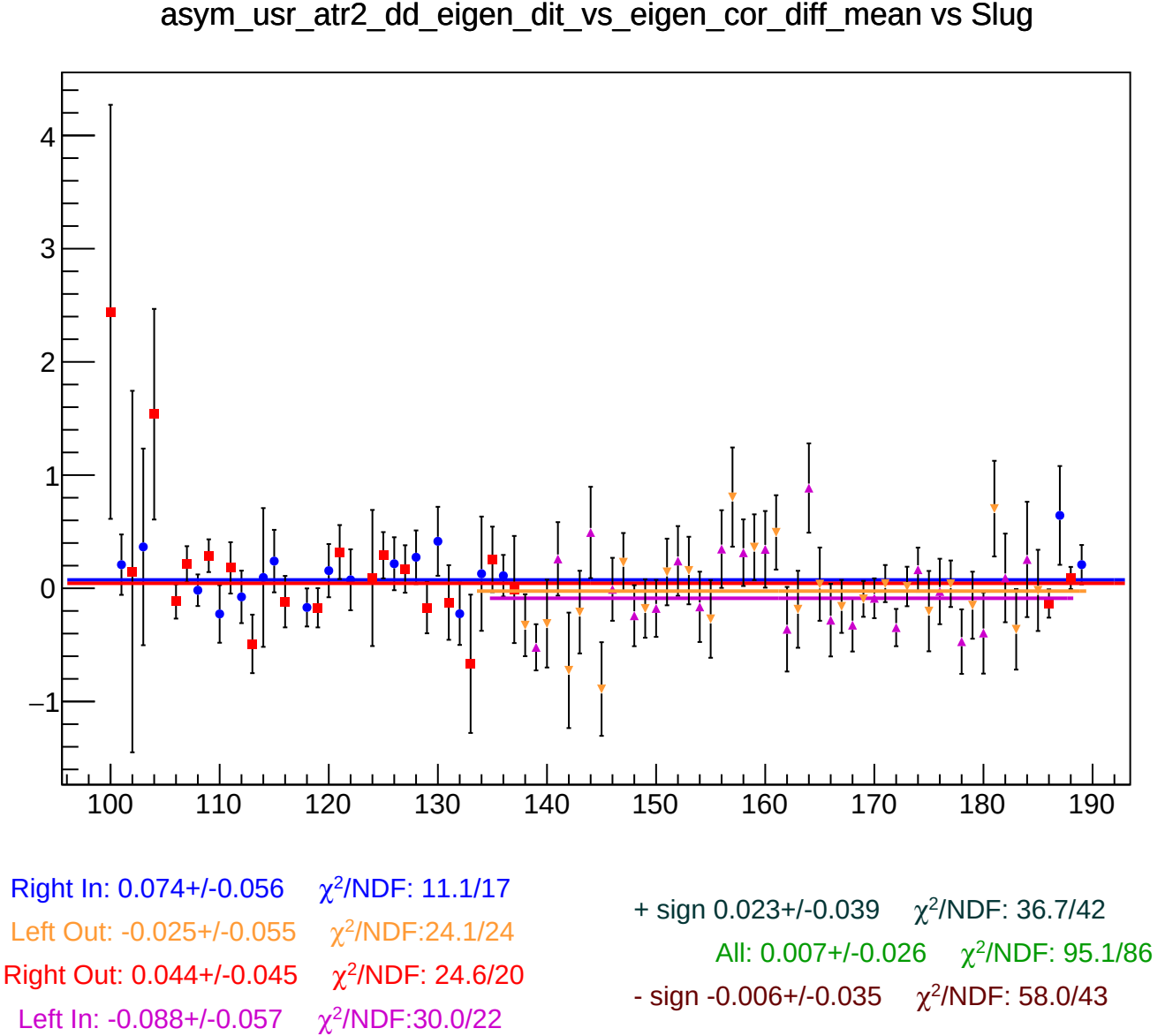
Right Out: 113.273+/-0.032 χ^2/NDF: 3276425.4/20

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

+ sign 186.033+/-0.028 χ^2/NDF: 7205942.7/42

All: 170.015+/-0.018 χ^2/NDF: 18656009.2/86

- sign 157.210+/-0.025 χ^2/NDF: 10848587.3/43


asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
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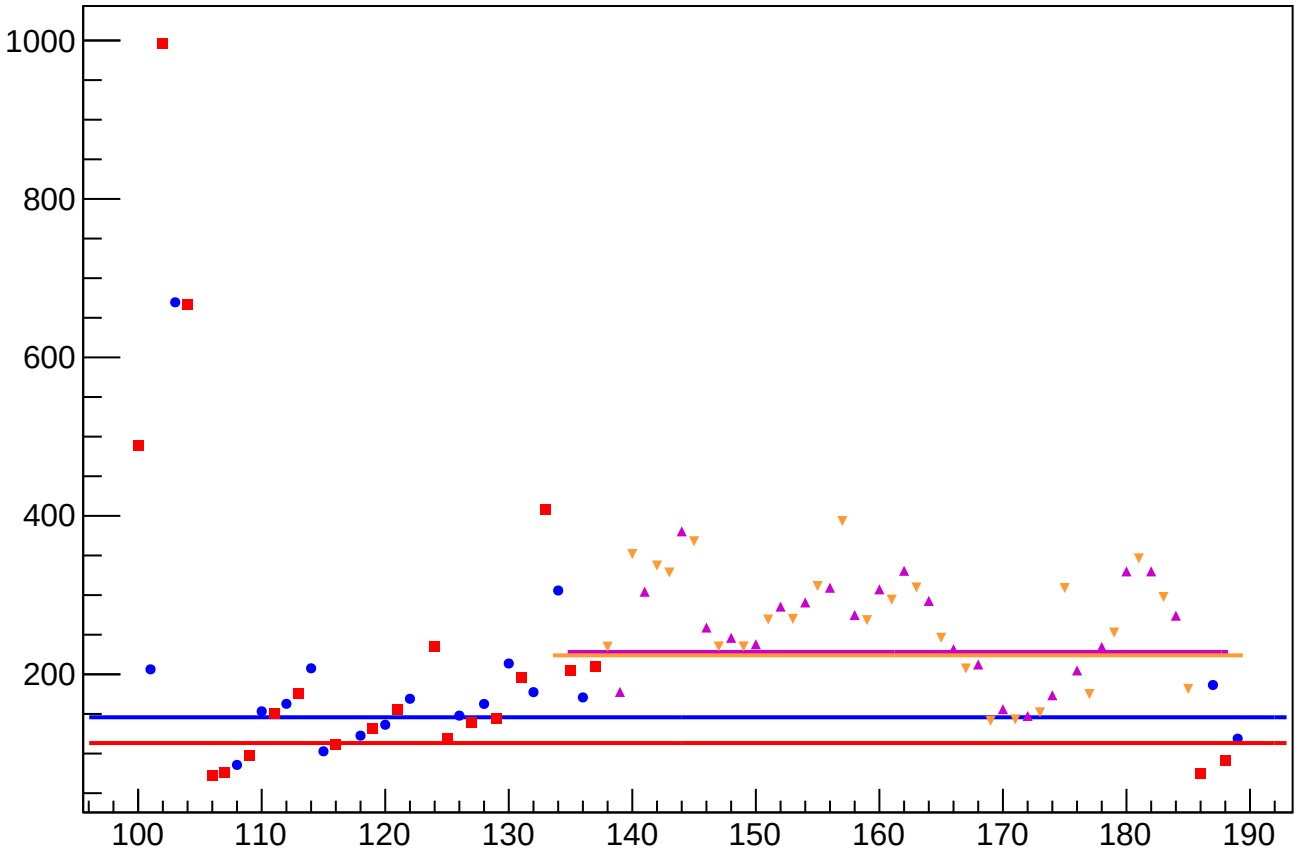
Right In: 0.074+/-0.056 χ²/NDF: 11.1/17
Left Out: -0.025+/-0.055 χ²/NDF:24.1/24
Right Out: 0.044+/-0.045 χ²/NDF: 24.6/20
Left In: -0.088+/-0.057 χ²/NDF:30.0/22
+ sign 0.023+/-0.039 χ²/NDF: 36.7/42
All: 0.007+/-0.026 χ²/NDF: 95.1/86
- sign -0.006+/-0.035 χ²/NDF: 58.0/43


asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
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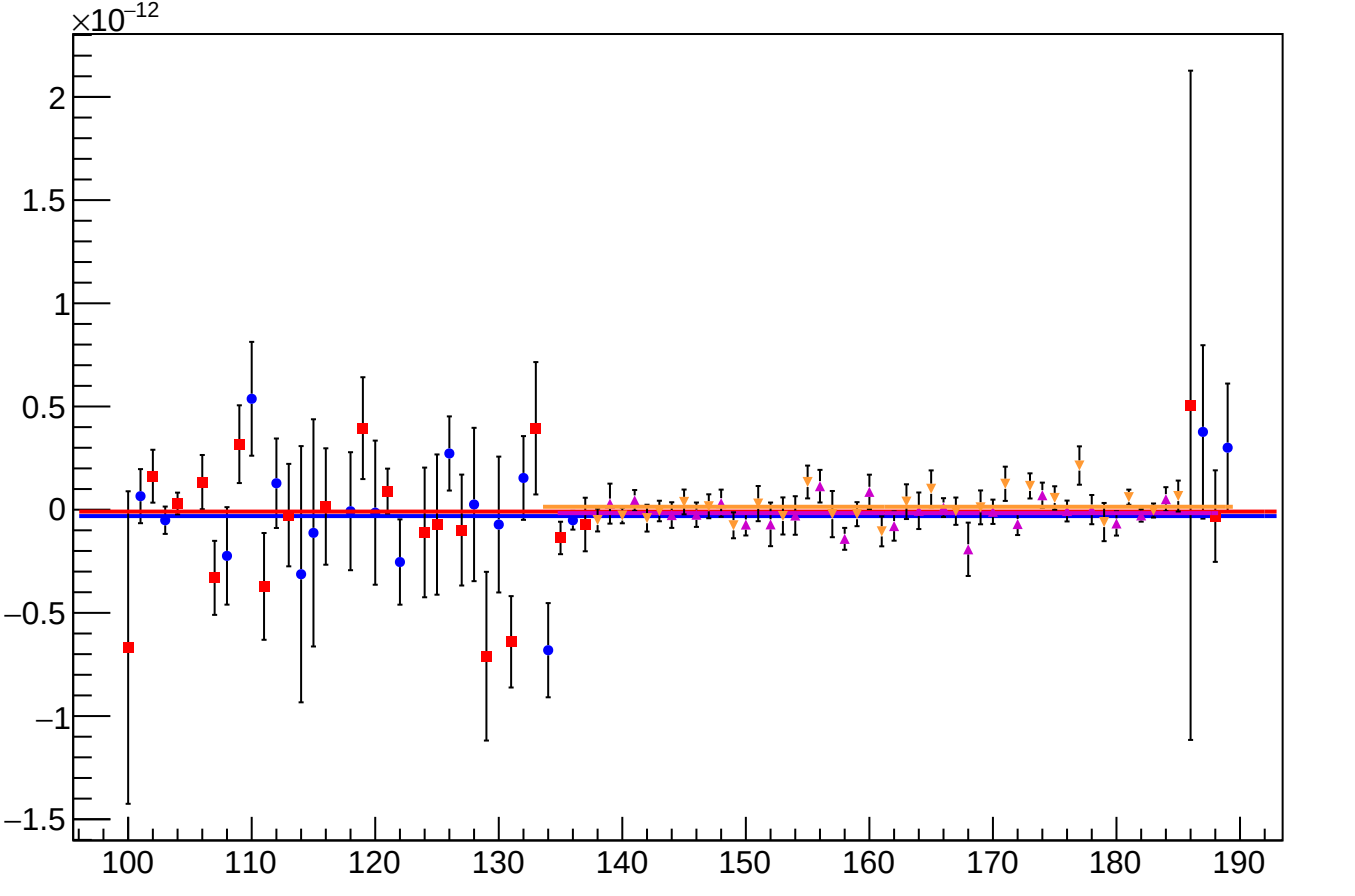
Right In: 145.781+/-0.040 χ²/NDF: 1779244.2/17
Left Out: 223.946+/-0.039 χ²/NDF:3438541.7/24
Right Out: 113.273+/-0.032 χ²/NDF: 3276425.4/20
Left In: 228.201+/-0.040 χ²/NDF:2488951.6/22
+ sign 186.033+/-0.028 χ²/NDF: 7205942.7/42
All: 170.015+/-0.018 χ²/NDF: 18656009.2/86
- sign 157.210+/-0.025 χ²/NDF: 10848587.3/43



Right In: -0.000+/-0.000 χ^2/NDF: 21.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

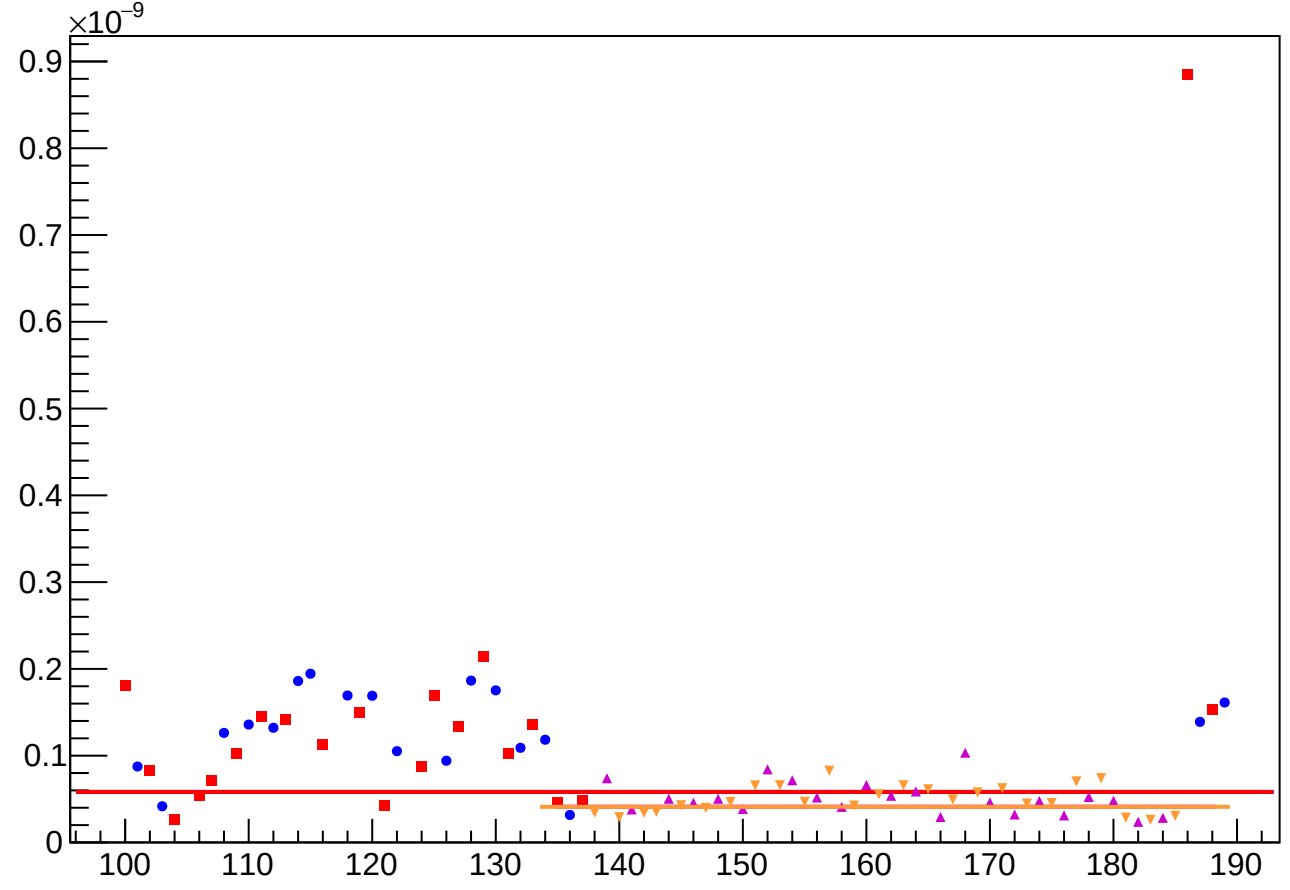
Right Out: -0.000+/-0.000 χ^2/NDF: 31.9/20

Left In: -0.000+/-0.000 χ^2/NDF:21.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 48.7/42

All: -0.000+/-0.000 χ^2/NDF: 104.6/86

- sign -0.000+/-0.000 χ^2/NDF: 53.7/43



Right In: 0.000+/-0.000 χ^2/NDF: 3411850.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:2644306.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3633596.8/20

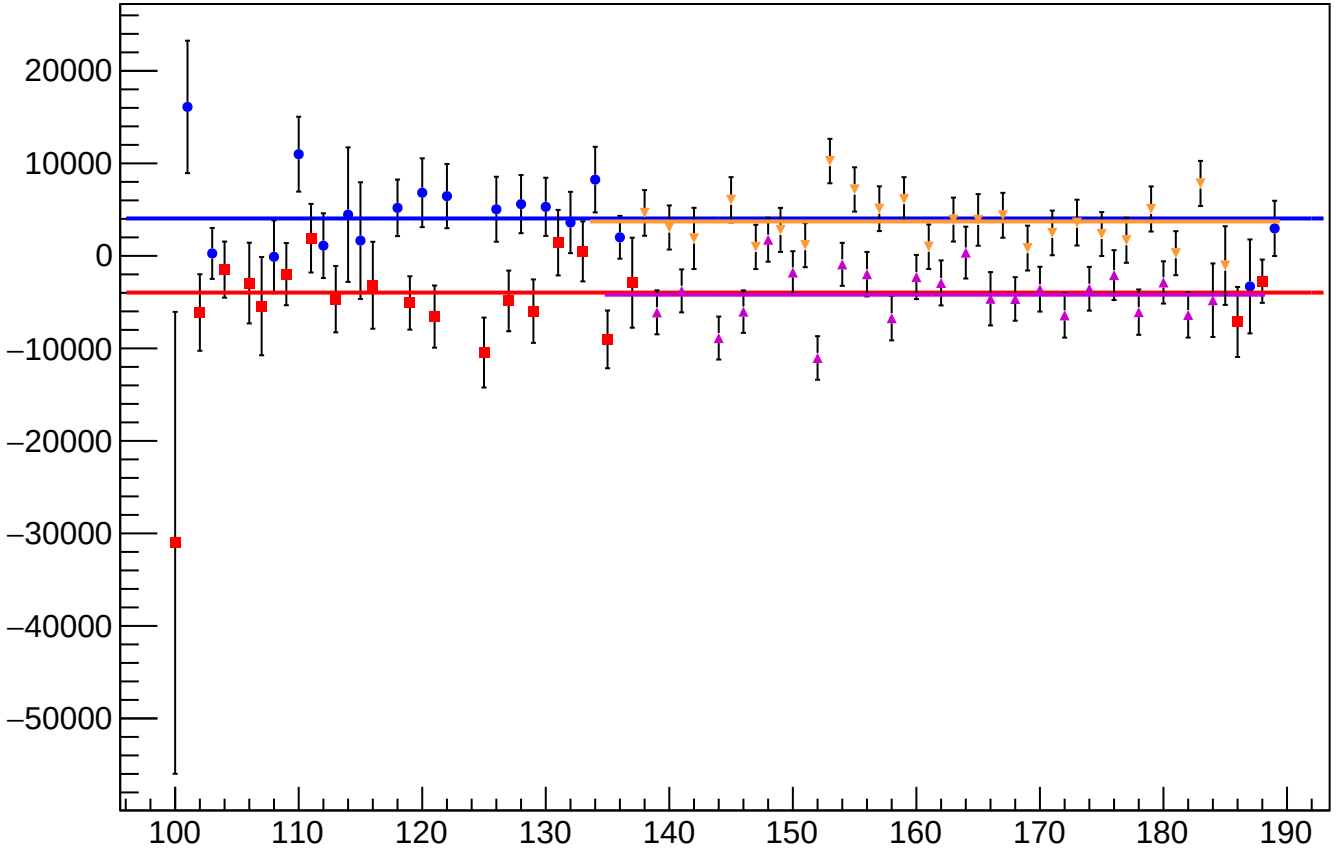
Left In: 0.000+/-0.000 χ^2/NDF:2852113.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 6563021.4/42

All: 0.000+/-0.000 χ^2/NDF: 13550272.7/86

- sign 0.000+/-0.000 χ^2/NDF: 6986744.9/43

reg_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4044.179+/-828.621 χ^2/NDF: 15.7/17

Left Out: 3723.486+/-507.155 χ^2/NDF:25.4/23

Right Out: -3969.148+/-798.163 χ^2/NDF: 17.1/19

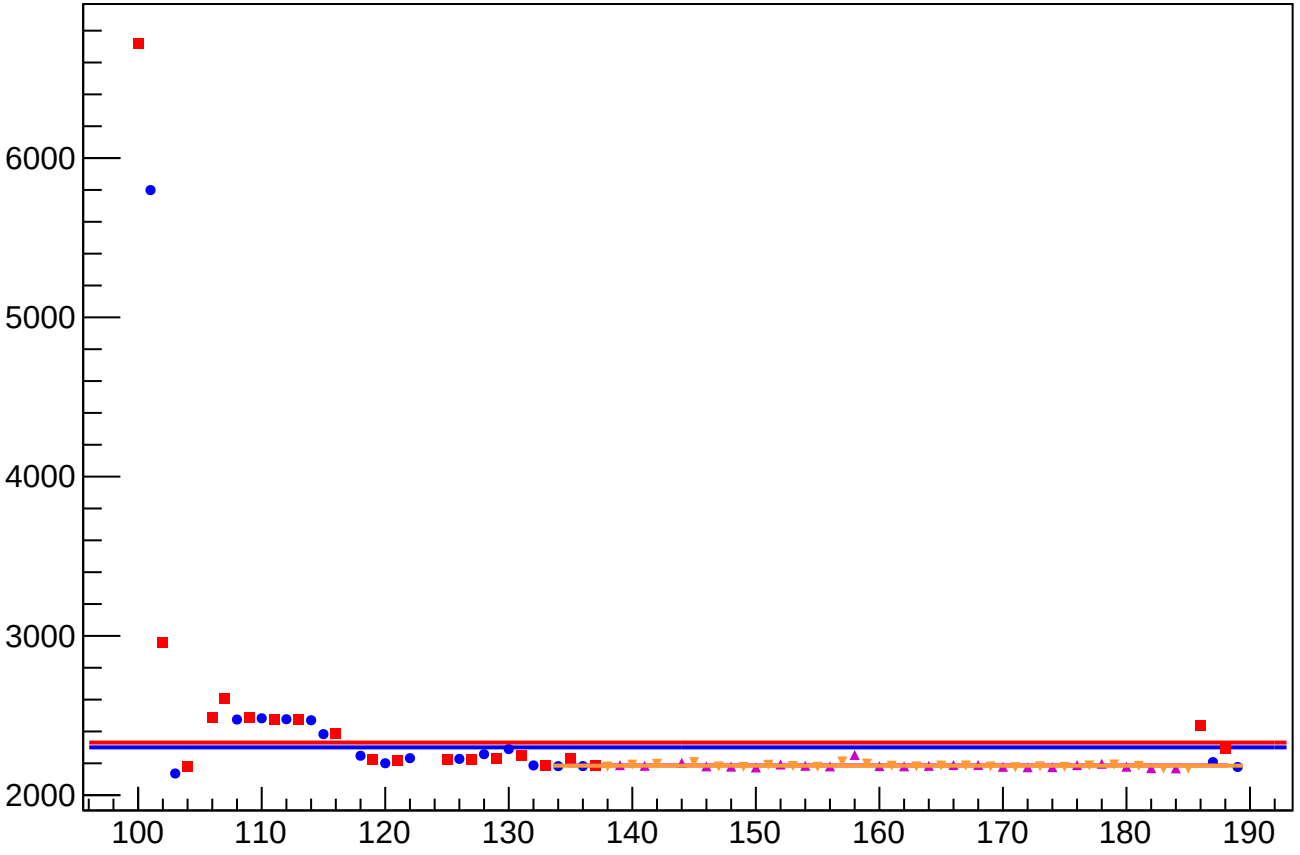
Left In: -4195.942+/-510.578 χ^2/NDF:32.1/22

+ sign 3810.880+/-432.566 χ^2/NDF: 41.3/41

All: -182.250+/-304.997 χ^2/NDF: 260.0/84

- sign -4130.085+/-430.106 χ^2/NDF: 49.3/42

reg_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2300.090+/-0.586 χ^2/NDF: 516903.8/17

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

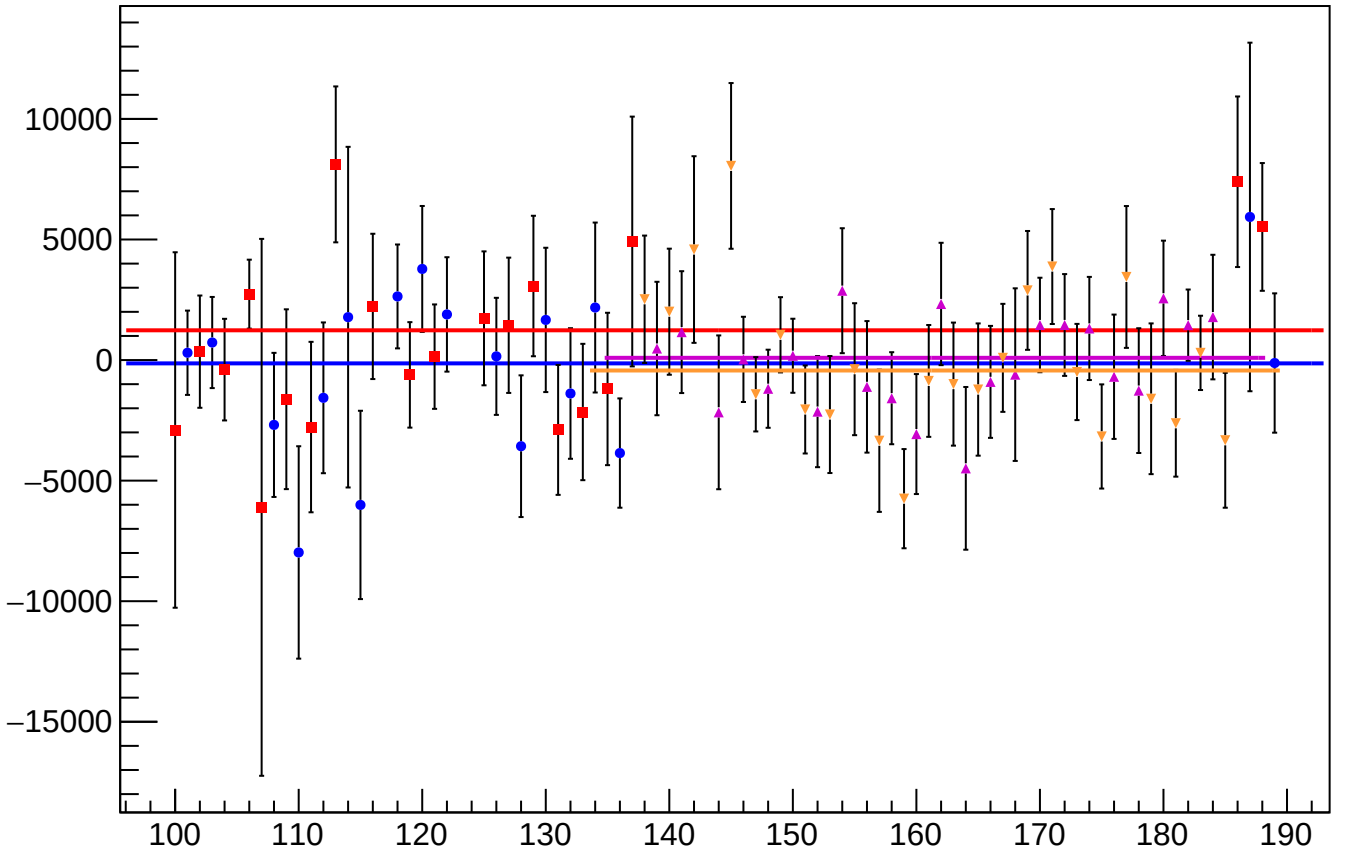
Right Out: 2330.359+/-0.564 χ^2/NDF: 153308.8/19

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2216.460+/-0.306 χ^2/NDF: 545722.4/41

All: 2222.488+/-0.216 χ^2/NDF: 747815.5/84

- sign 2228.448+/-0.304 χ^2/NDF: 201320.8/42



Right In: -137.490+/-639.361 χ^2/NDF: 17.1/17

Left Out: -432.286+/-462.383 χ^2/NDF:31.3/23

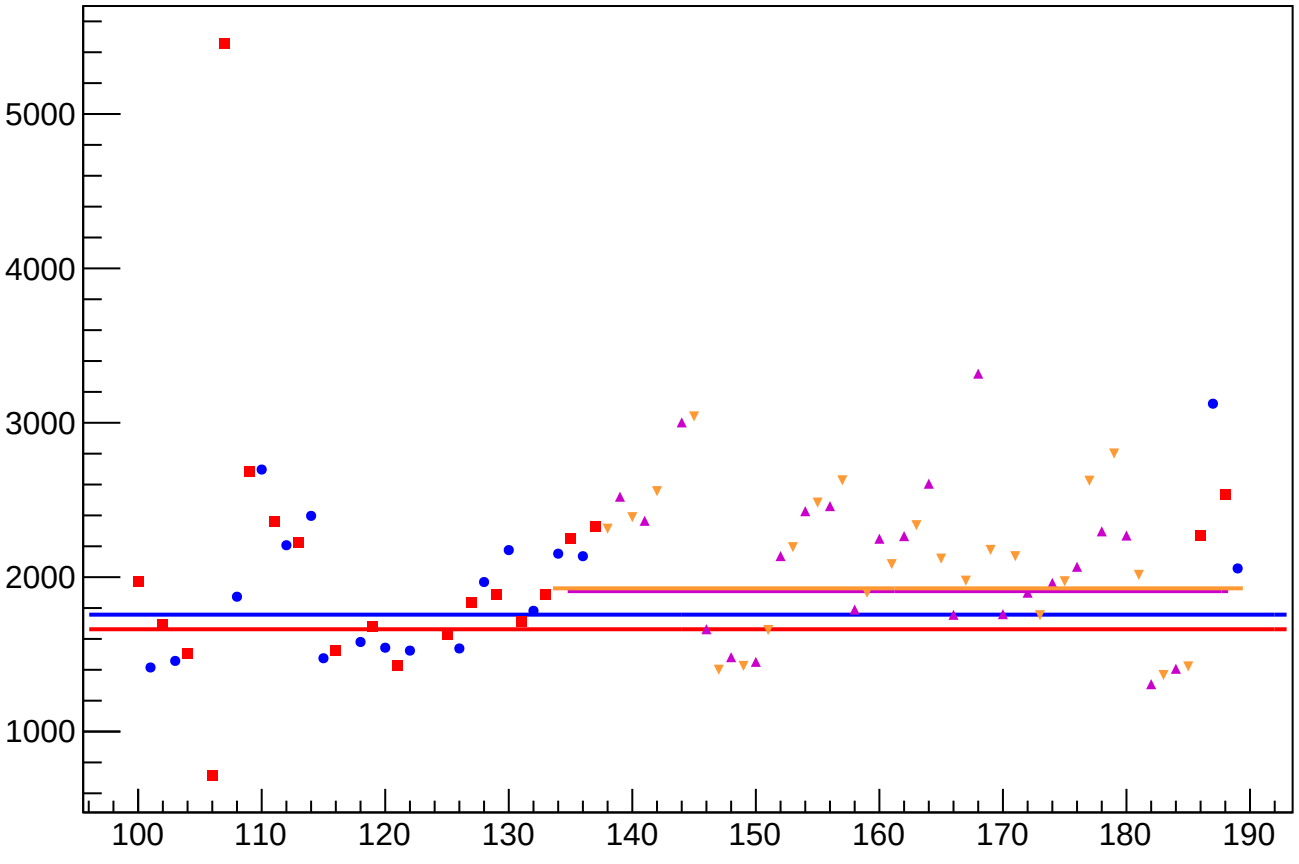
Right Out: 1234.042+/-608.220 χ^2/NDF: 21.0/19

Left In: 92.649+/-460.669 χ^2/NDF:12.8/22

\+ sign -331.051+/-374.671 χ^2/NDF: 48.6/41

All: 97.268+/-262.261 χ^2/NDF: 87.2/84

\- sign 508.732+/-367.226 χ^2/NDF: 36.1/42



Right In: 1757.176+/-0.452 χ^2/NDF: 575245.3/17

Left Out: 1927.660+/-0.327 χ^2/NDF:1798383.1/23

Right Out: 1662.597+/-0.430 χ^2/NDF: 1856910.8/19

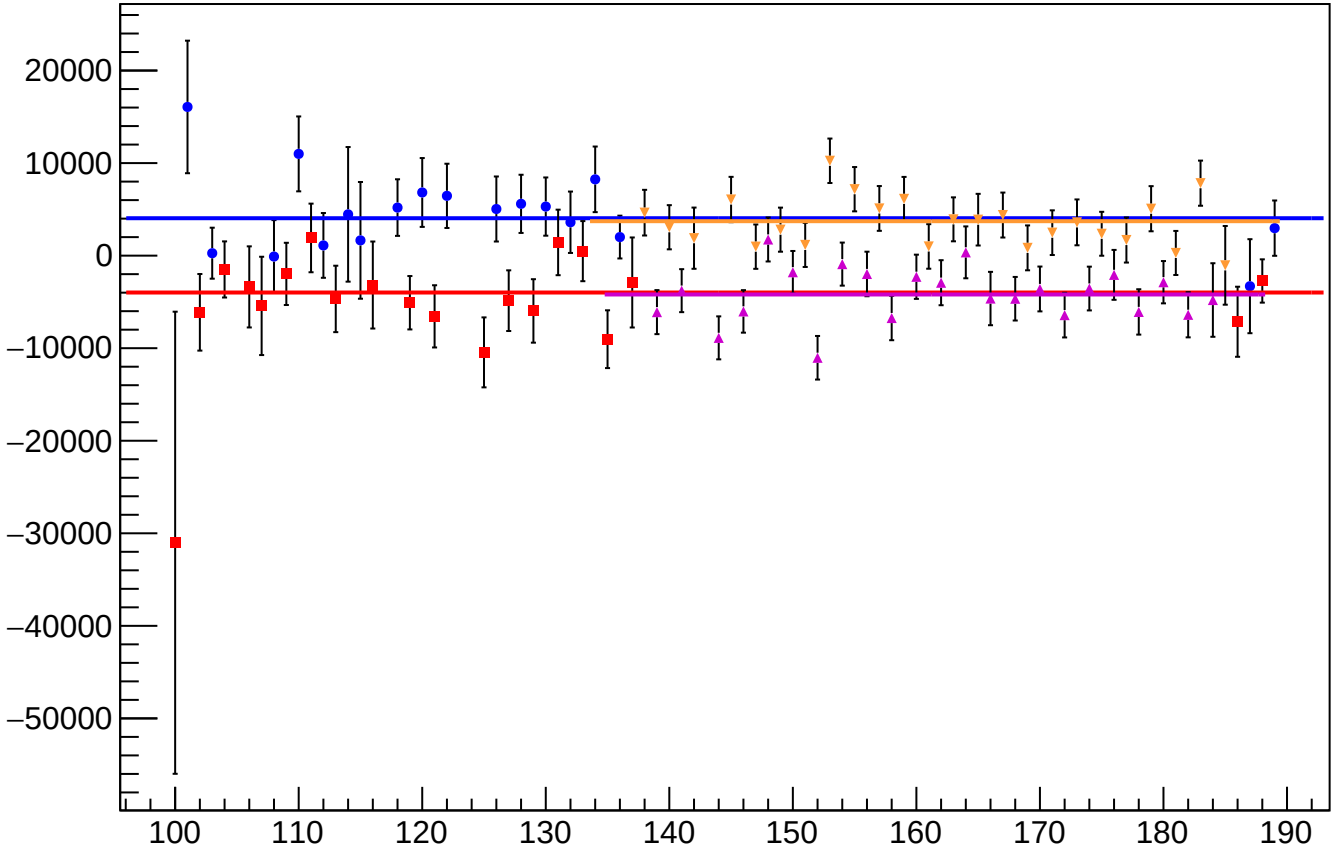
Left In: 1909.612+/-0.326 χ^2/NDF:1942264.8/22

+ sign 1869.115+/-0.265 χ^2/NDF: 2466997.5/41

All: 1843.843+/-0.185 χ^2/NDF: 6493639.5/84

- sign 1819.565+/-0.260 χ^2/NDF: 4008801.5/42

cor_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4043.598+/-828.621 χ^2/NDF: 15.7/17

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: -3984.368+/-798.278 χ^2/NDF: 17.1/19

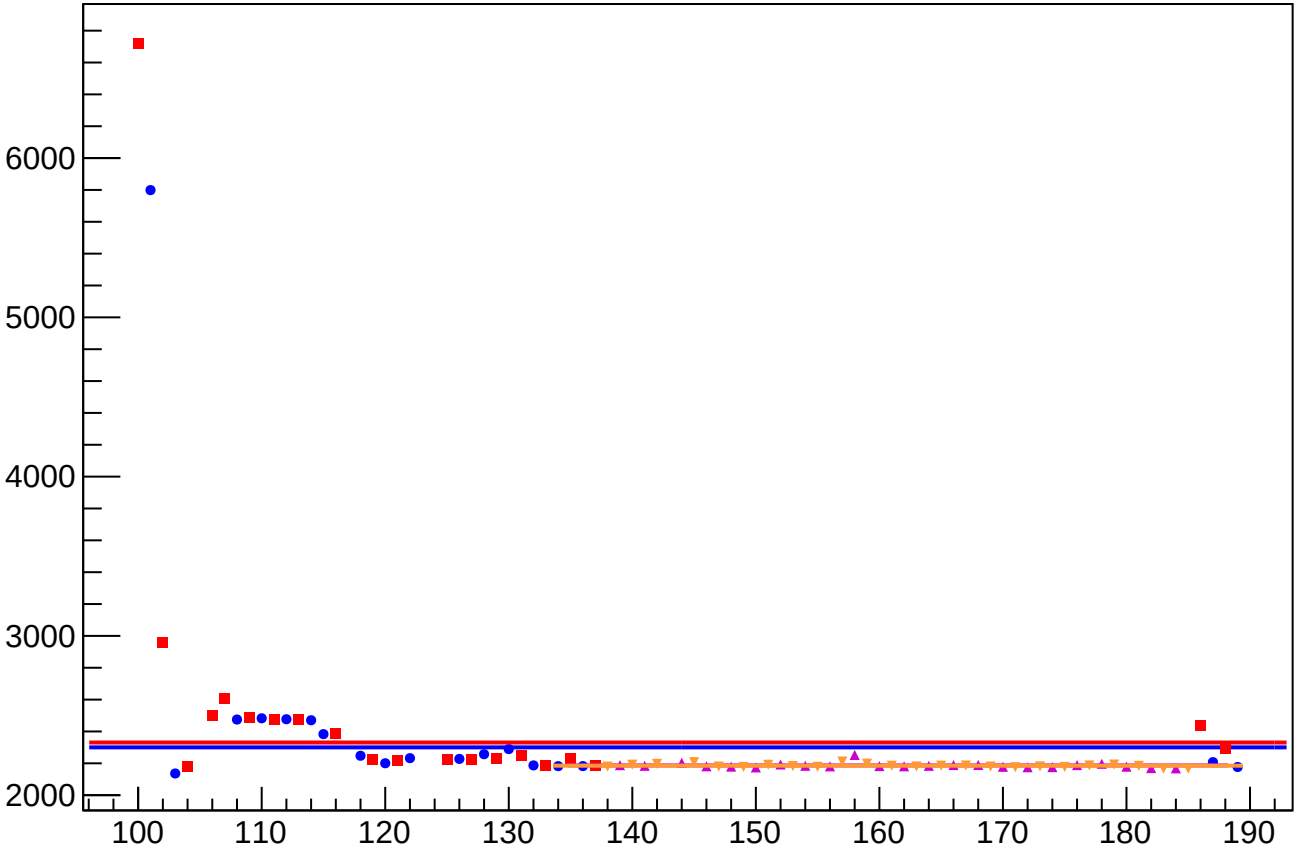
Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

+ sign 3810.683+/-432.566 χ^2/NDF: 41.3/41

All: -184.452+/-305.003 χ^2/NDF: 260.2/84

- sign -4134.602+/-430.124 χ^2/NDF: 49.3/42

cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2300.090+/-0.586 χ^2/NDF: 516904.2/17

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

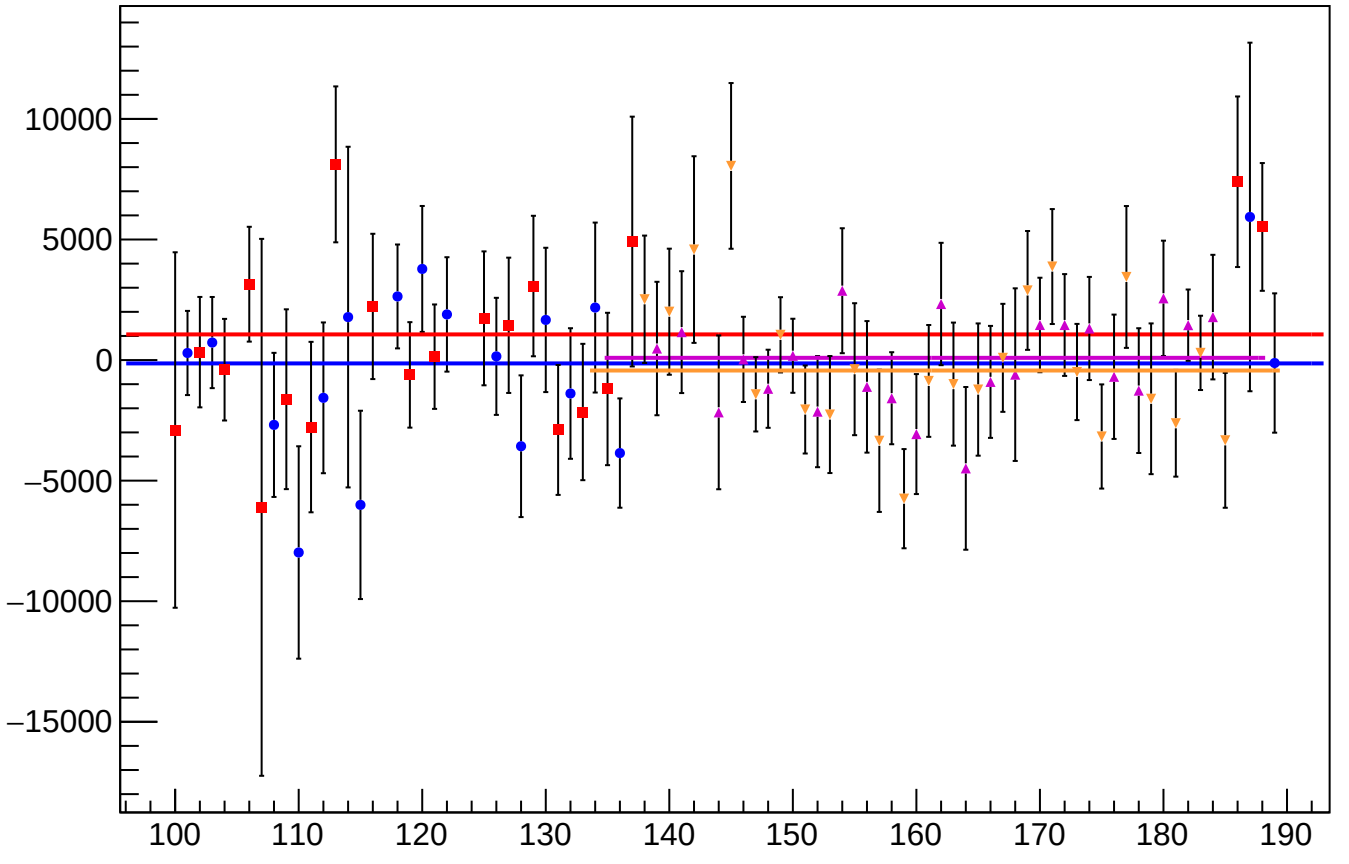
Right Out: 2330.669+/-0.564 χ^2/NDF: 153654.6/19

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2216.460+/-0.306 χ^2/NDF: 545722.7/41

All: 2222.529+/-0.216 χ^2/NDF: 748361.3/84

- sign 2228.530+/-0.304 χ^2/NDF: 201855.7/42



Right In: -138.530+/-639.243 χ^2/NDF: 17.1/17

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

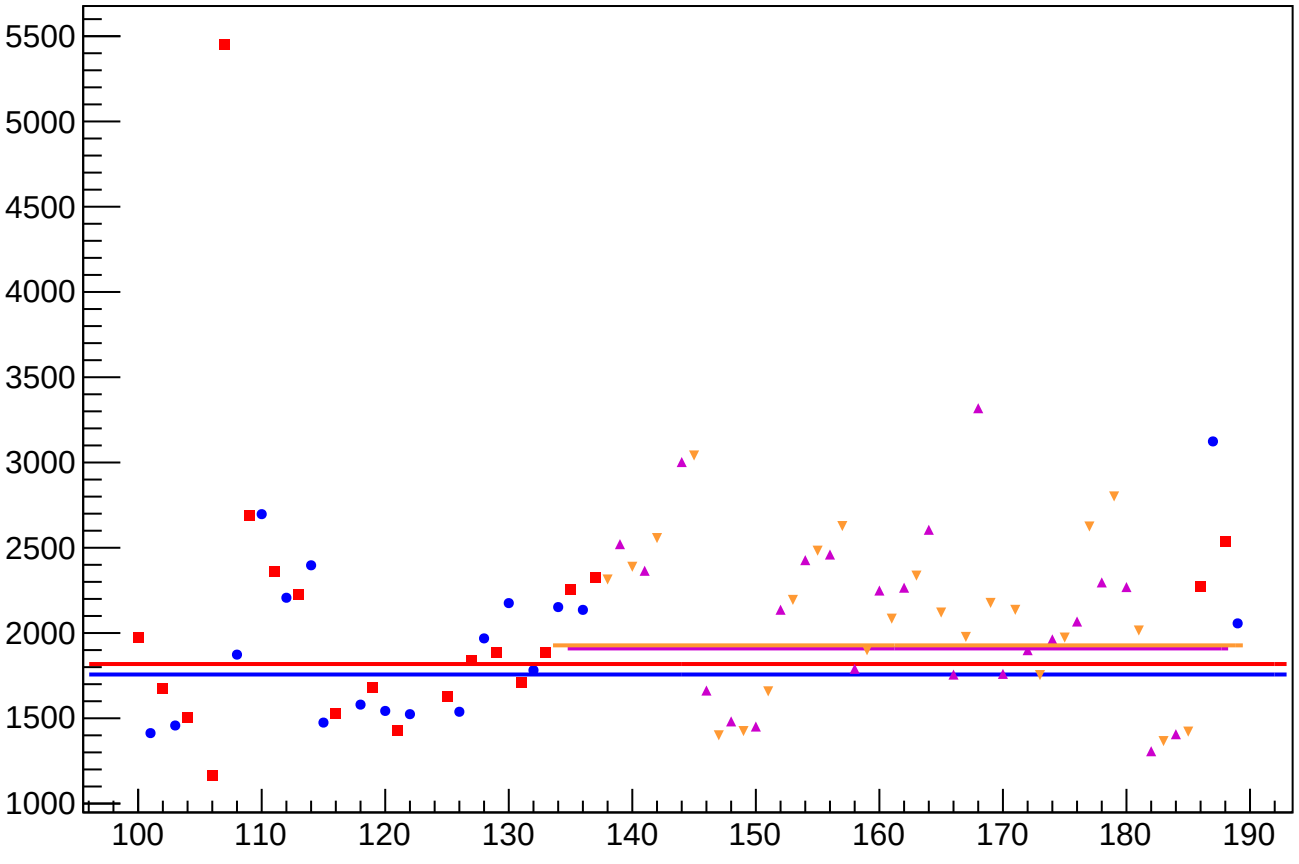
Right Out: 1064.379+/-645.975 χ^2/NDF: 20.5/19

Left In: 92.604+/-460.670 χ^2/NDF:12.8/22

+ sign -331.406+/-374.647 χ^2/NDF: 48.6/41

All: 43.981+/-265.064 χ^2/NDF: 85.4/84

- sign 420.209+/-375.066 χ^2/NDF: 34.8/42



Right In: 1756.798+/-0.452 χ^2/NDF: 576308.6/17

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

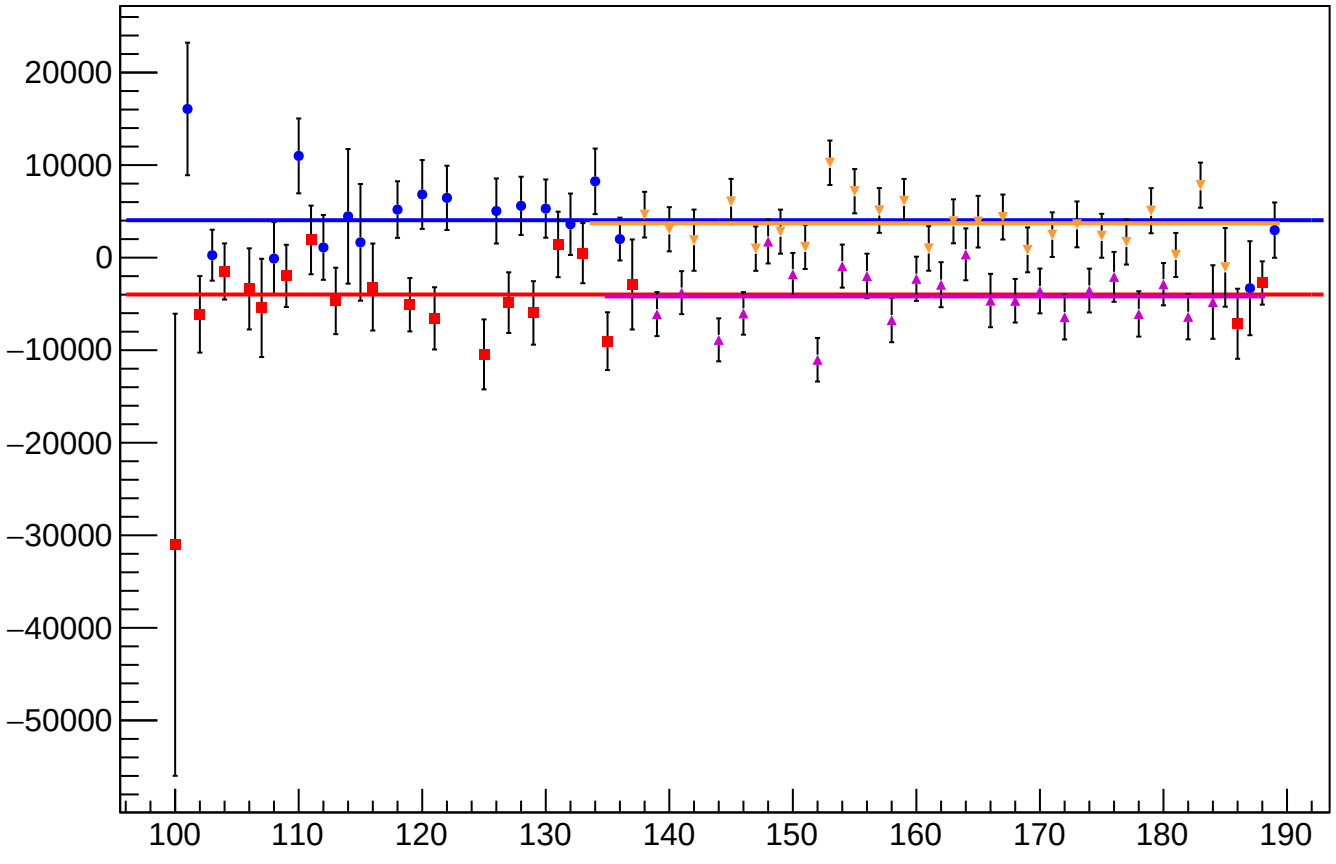
Right Out: 1818.223+/-0.457 χ^2/NDF: 948229.2/19

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

+ sign 1868.970+/-0.265 χ^2/NDF: 2468520.4/41

All: 1873.883+/-0.187 χ^2/NDF: 5386263.7/84

- sign 1878.807+/-0.265 χ^2/NDF: 2917054.7/42



Right In: 4043.598+/-828.621 χ^2/NDF: 15.7/17

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

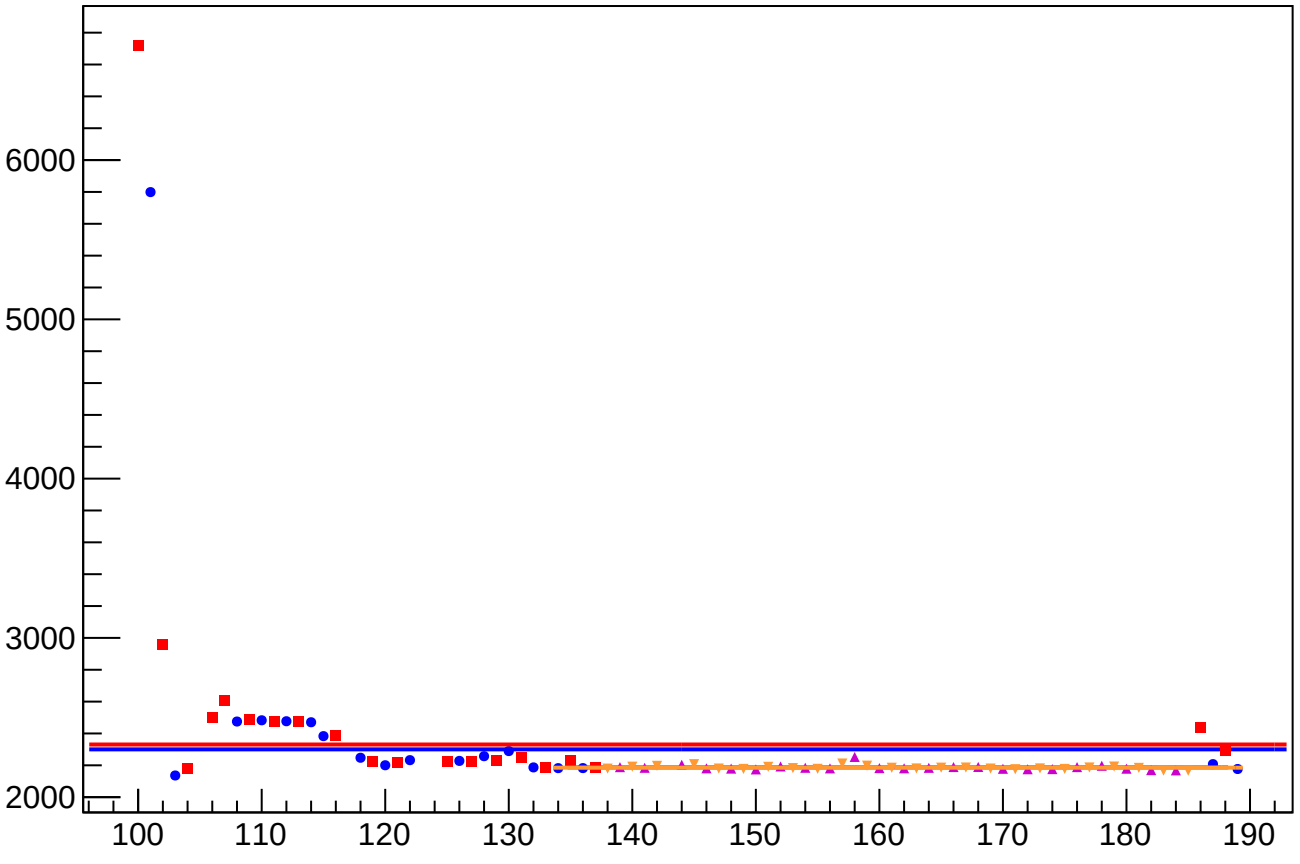
Right Out: -3984.368+/-798.278 χ^2/NDF: 17.1/19

Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

+ sign 3810.683+/-432.566 χ^2/NDF: 41.3/41

All: -184.452+/-305.003 χ^2/NDF: 260.2/84

- sign -4134.602+/-430.124 χ^2/NDF: 49.3/42



Right In: 2300.090+/-0.586 χ^2/NDF: 516904.2/17

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

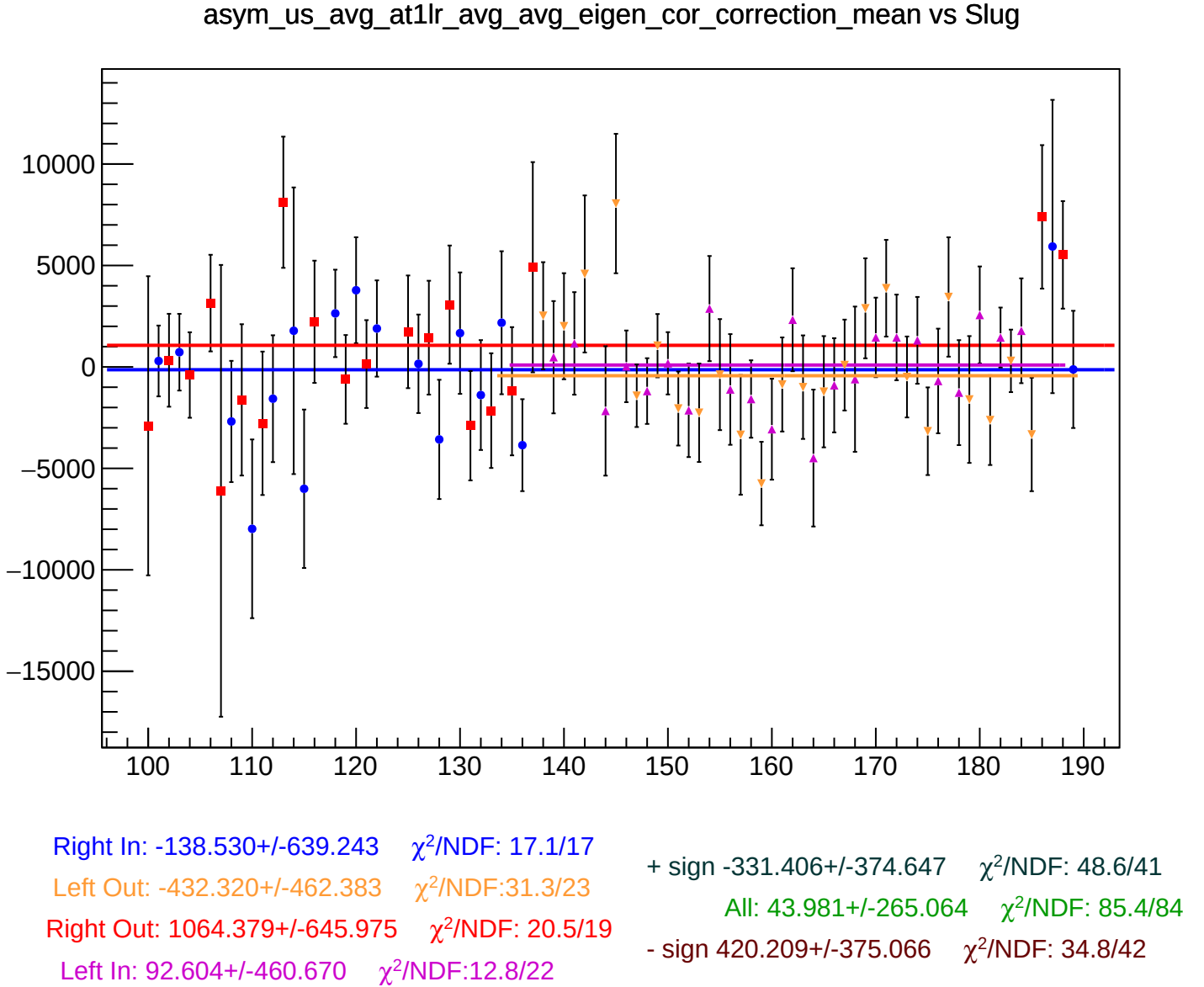
Right Out: 2330.669+/-0.564 χ^2/NDF: 153654.6/19

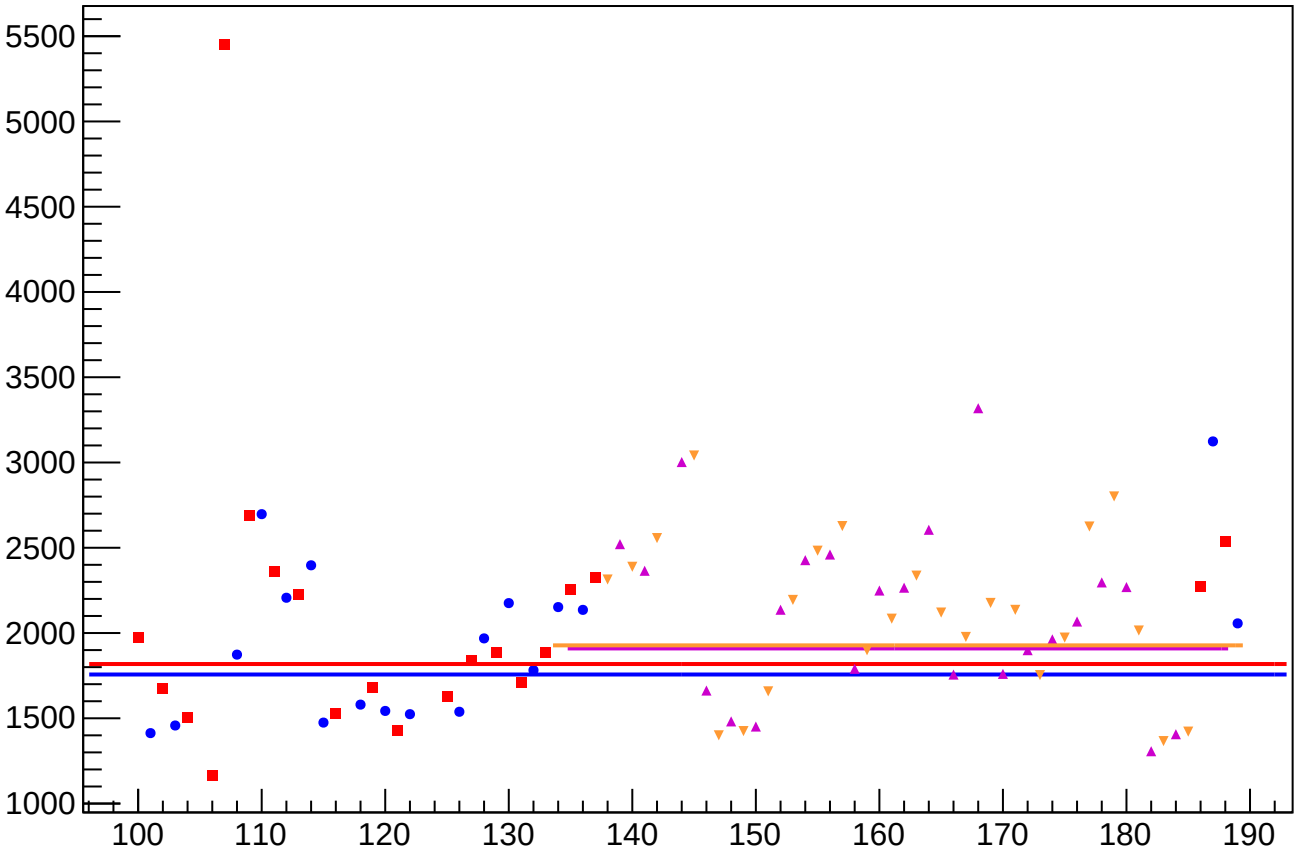
Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2216.460+/-0.306 χ^2/NDF: 545722.7/41

All: 2222.529+/-0.216 χ^2/NDF: 748361.3/84

- sign 2228.530+/-0.304 χ^2/NDF: 201855.7/42


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
190
Right In: -138.530+/-639.243 χ²/NDF: 17.1/17
Left Out: -432.320+/-462.383 χ²/NDF:31.3/23
Right Out: 1064.379+/-645.975 χ²/NDF: 20.5/19
Left In: 92.604+/-460.670 χ²/NDF:12.8/22
+ sign -331.406+/-374.647 χ²/NDF: 48.6/41
All: 43.981+/-265.064 χ²/NDF: 85.4/84
- sign 420.209+/-375.066 χ²/NDF: 34.8/42



Right In: 1756.798+/-0.452 χ^2/NDF: 576308.6/17

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

Right Out: 1818.223+/-0.457 χ^2/NDF: 948229.2/19

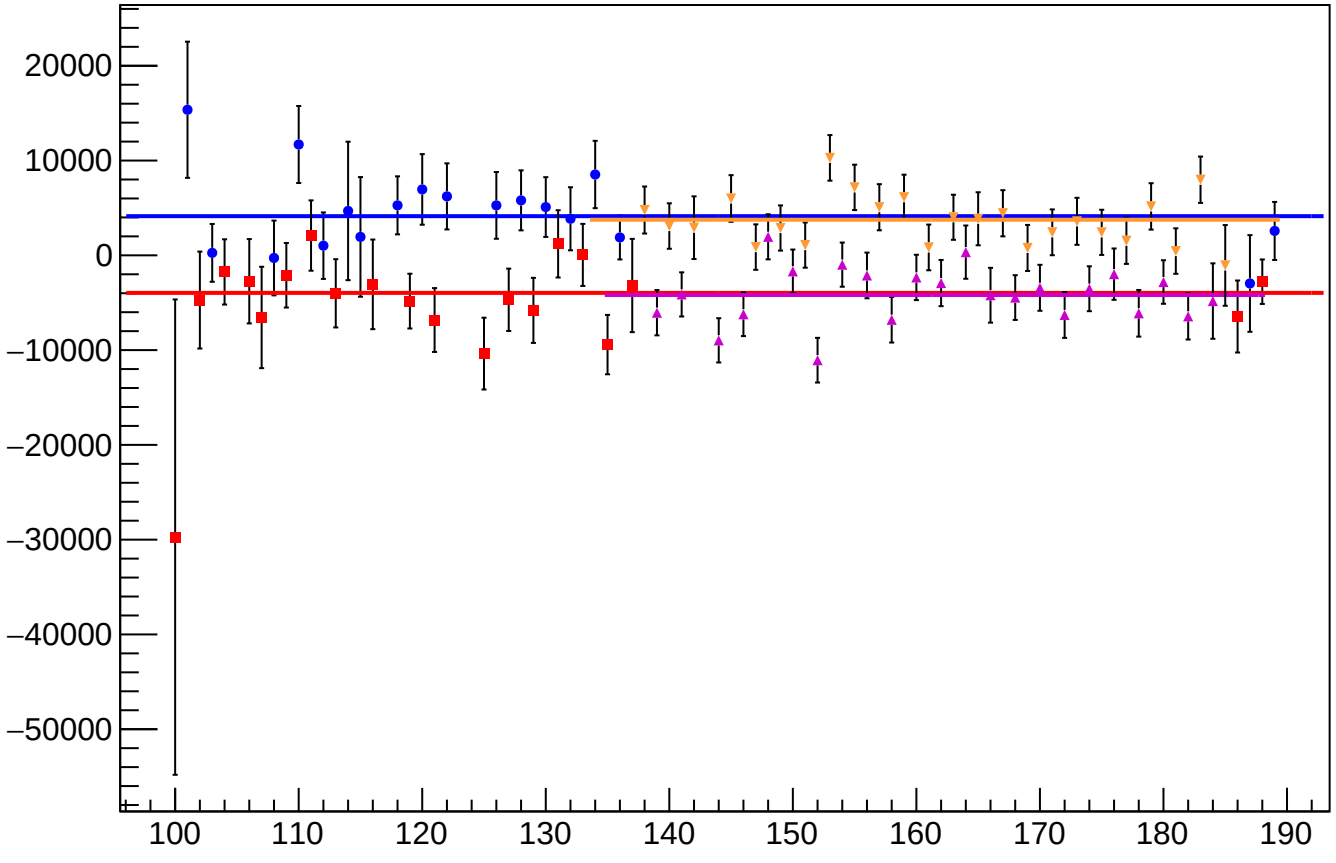
Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

+ sign 1868.970+/-0.265 χ^2/NDF: 2468520.4/41

All: 1873.883+/-0.187 χ^2/NDF: 5386263.7/84

- sign 1878.807+/-0.265 χ^2/NDF: 2917054.7/42

dit_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4131.572+/-839.547 χ^2/NDF: 15.9/17

Left Out: 3754.065+/-508.568 χ^2/NDF:25.7/23

Right Out: -3962.813+/-813.220 χ^2/NDF: 16.2/19

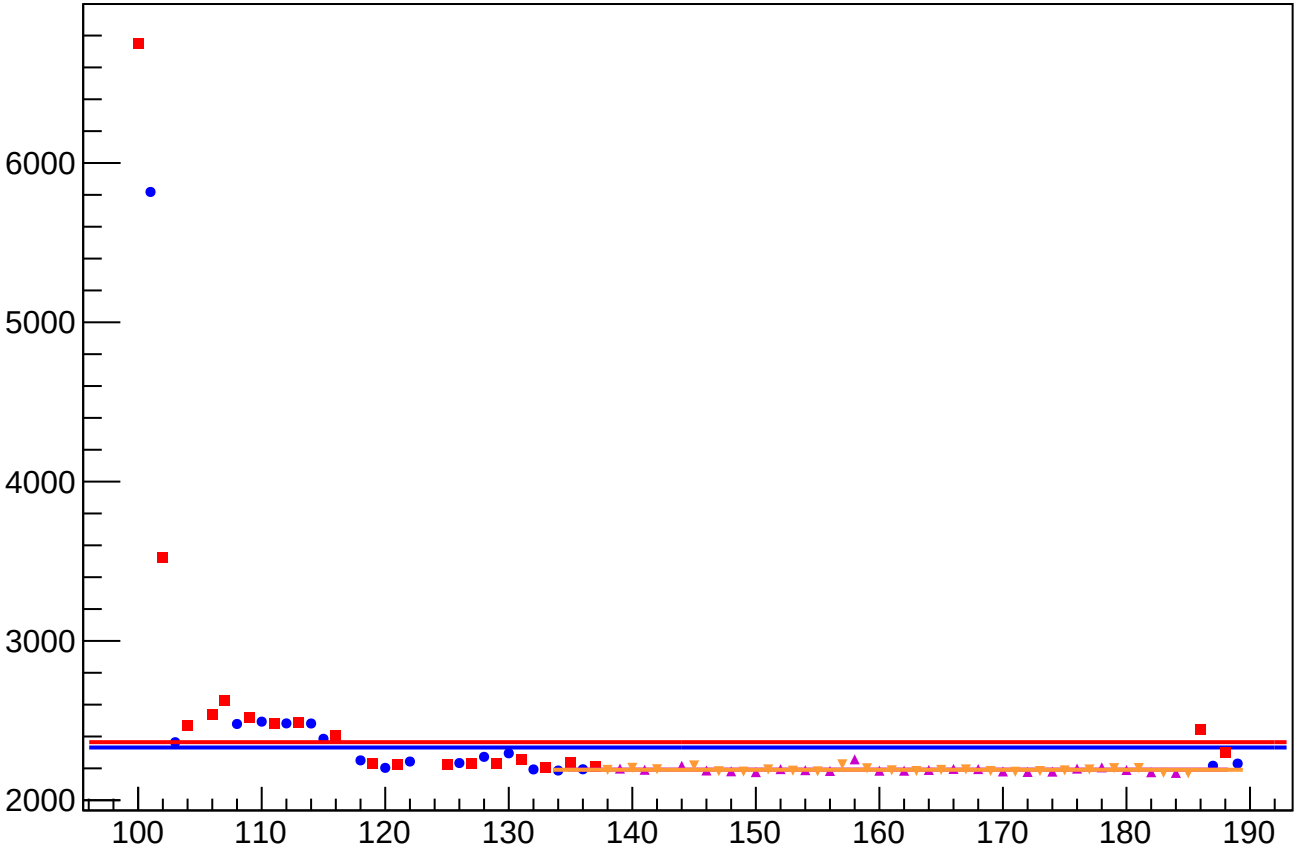
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

+ sign 3855.405+/-434.984 χ^2/NDF: 41.7/41

All: -149.424+/-306.946 χ^2/NDF: 259.4/84

- sign -4121.389+/-433.195 χ^2/NDF: 48.9/42

dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2330.984+/-0.594 χ^2/NDF: 506421.3/17

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

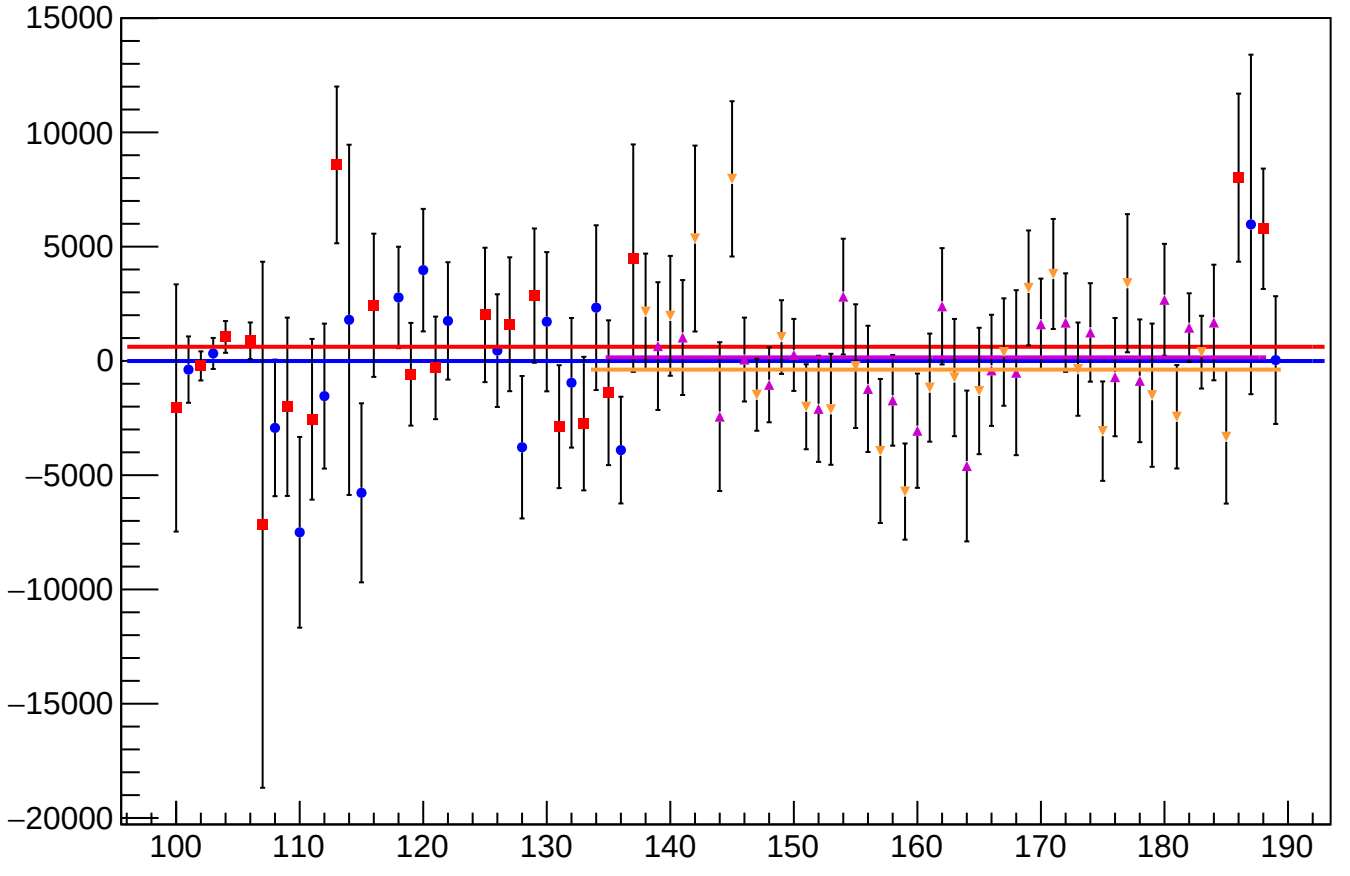
Right Out: 2364.425+/-0.575 χ^2/NDF: 212647.2/19

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2228.685+/-0.308 χ^2/NDF: 548241.5/41

All: 2234.904+/-0.217 χ^2/NDF: 828233.2/84

- sign 2241.071+/-0.306 χ^2/NDF: 279177.5/42



Right In: -4.633+/-477.187 χ^2/NDF: 17.0/17

Left Out: -380.488+/-471.481 χ^2/NDF:30.8/23

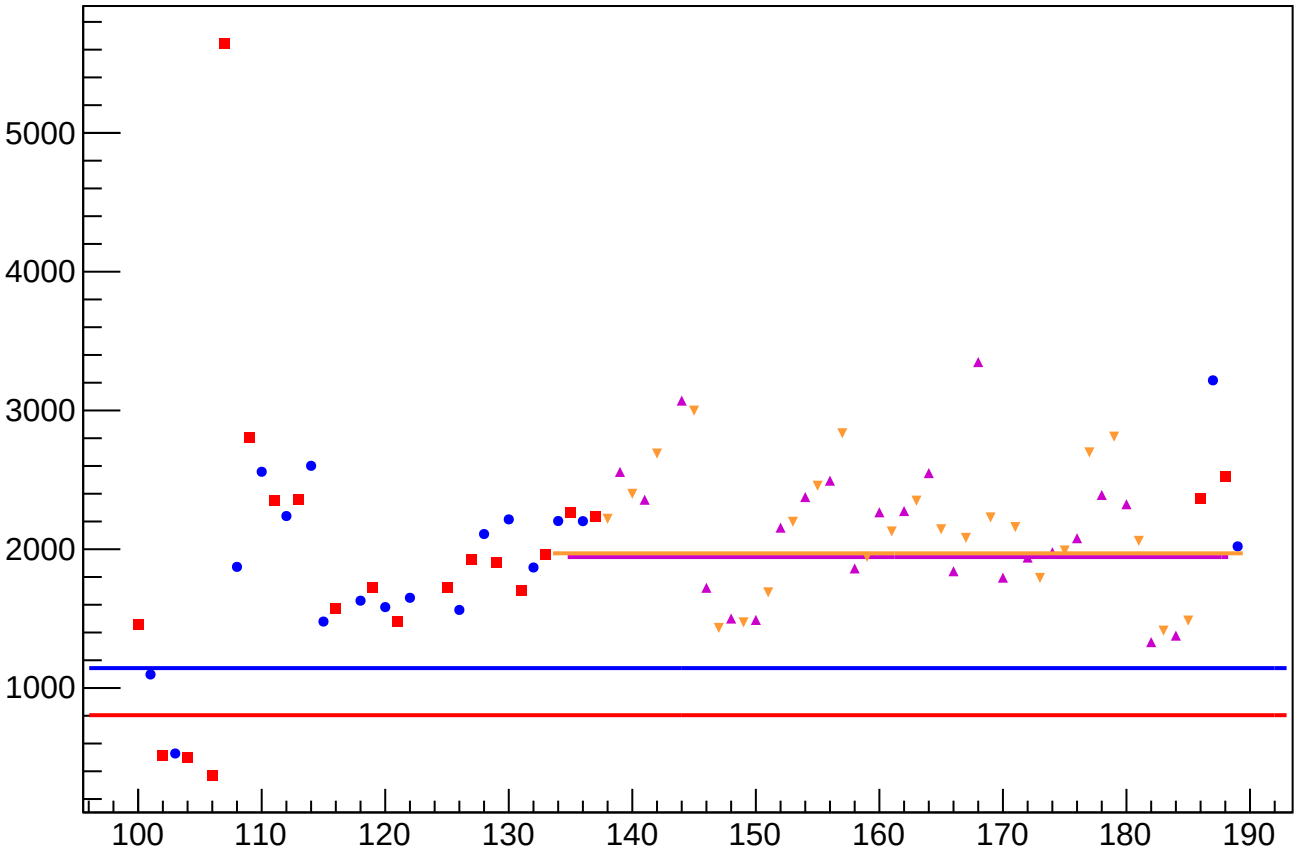
Right Out: 618.083+/-357.480 χ^2/NDF: 23.2/19

Left In: 154.512+/-467.999 χ^2/NDF:12.8/22

+ sign -194.821+/-335.386 χ^2/NDF: 48.0/41

All: 179.036+/-216.772 χ^2/NDF: 86.8/84

- sign 447.269+/-284.085 χ^2/NDF: 36.6/42



Right In: 1143.436+/-0.337 χ^2/NDF: 4109890.6/17

Left Out: 1970.655+/-0.333 χ^2/NDF:1696659.6/23

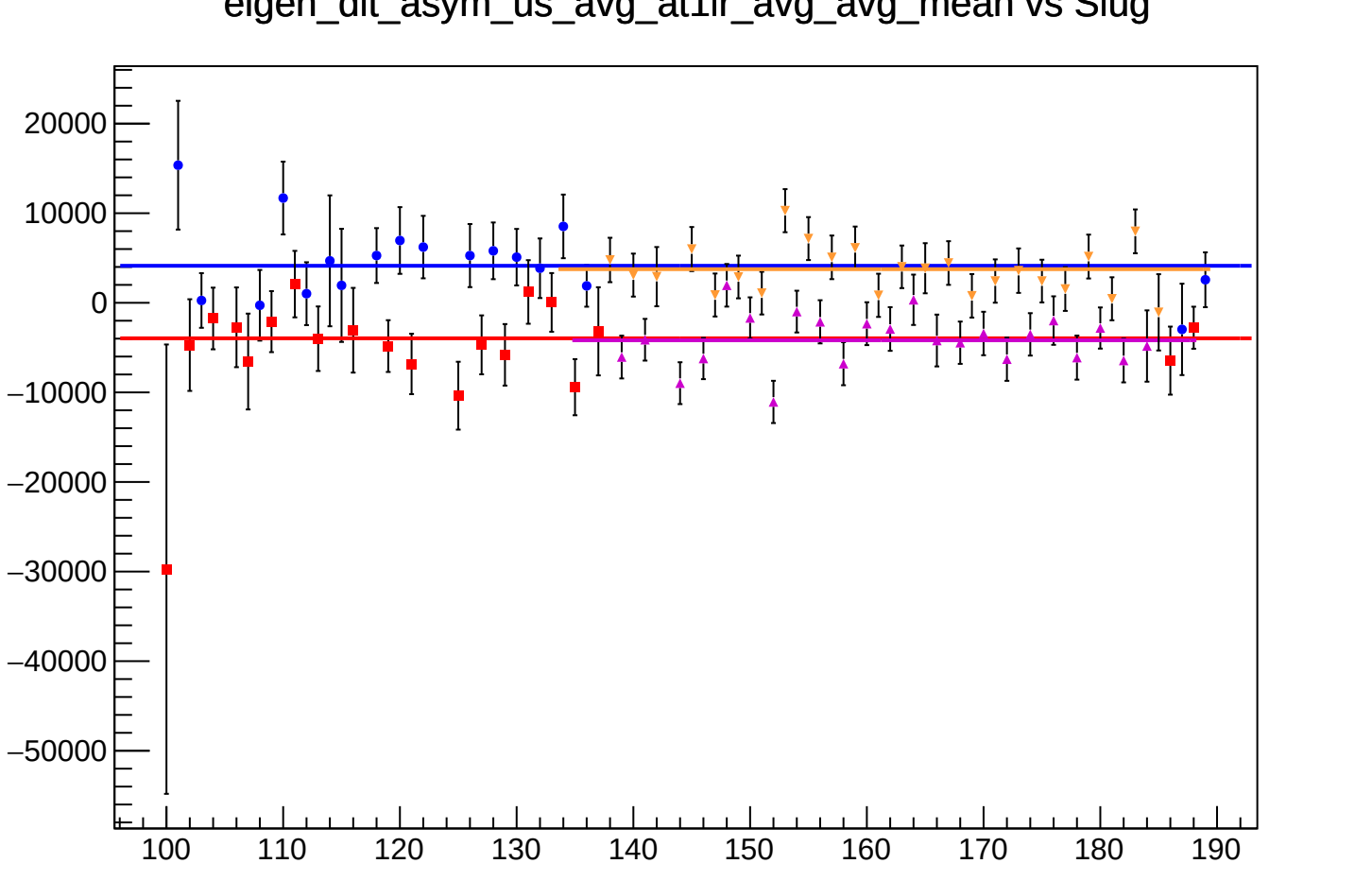
Right Out: 804.114+/-0.253 χ^2/NDF: 6847118.9/19

Left In: 1943.628+/-0.331 χ^2/NDF:1882933.7/22

+ sign 1562.021+/-0.237 χ^2/NDF: 8847835.6/41

All: 1365.205+/-0.153 χ^2/NDF: 26248872.9/8

- sign 1223.995+/-0.201 χ^2/NDF: 16218129.5/42



Right In: 4131.568+/-839.547 χ^2/NDF: 15.9/17

Left Out: 3754.064+/-508.568 χ^2/NDF:25.7/23

Right Out: -3962.808+/-813.220 χ^2/NDF: 16.2/19

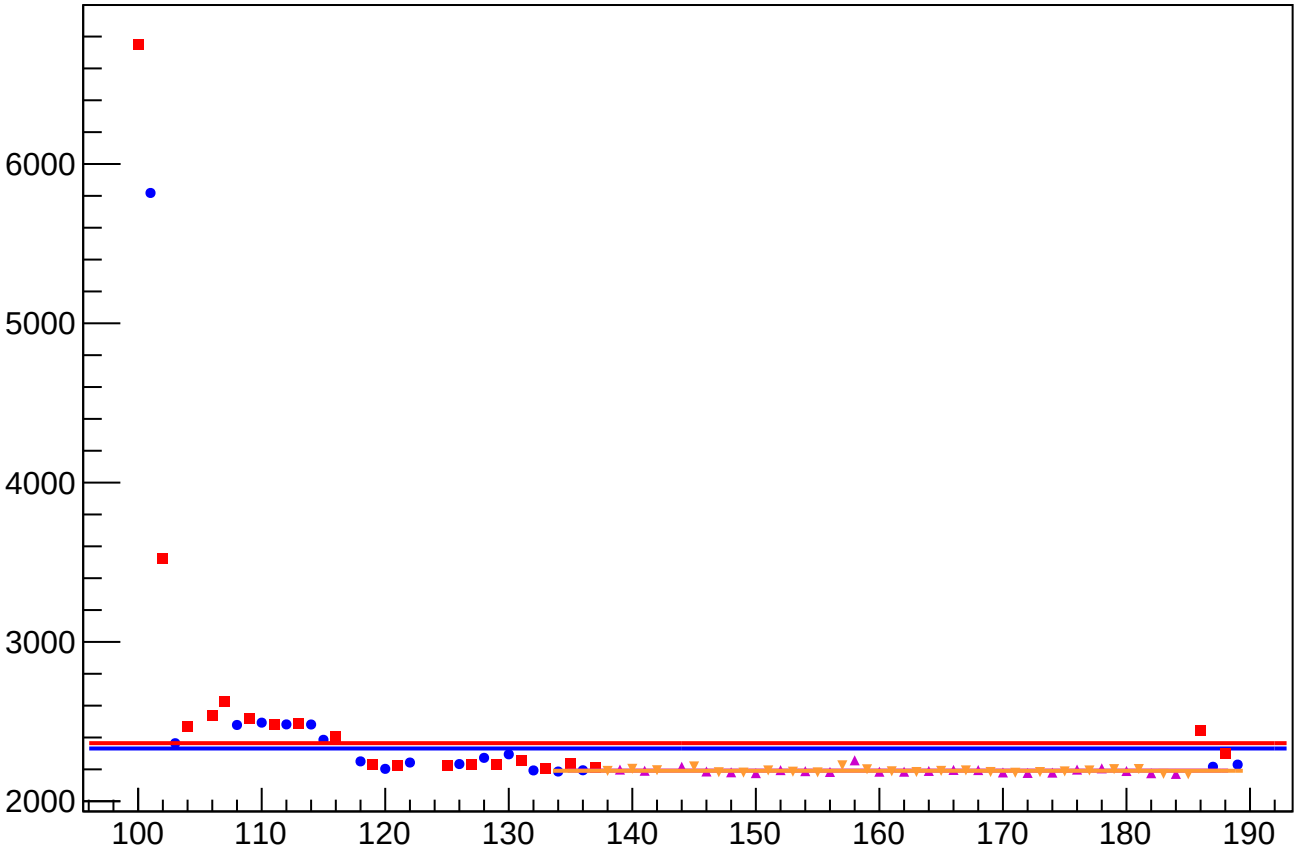
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

+ sign 3855.403+/-434.984 χ^2/NDF: 41.7/41

All: -149.424+/-306.946 χ^2/NDF: 259.4/84

- sign -4121.388+/-433.195 χ^2/NDF: 48.9/42

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2330.983+/-0.594 χ^2/NDF: 506421.2/17

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

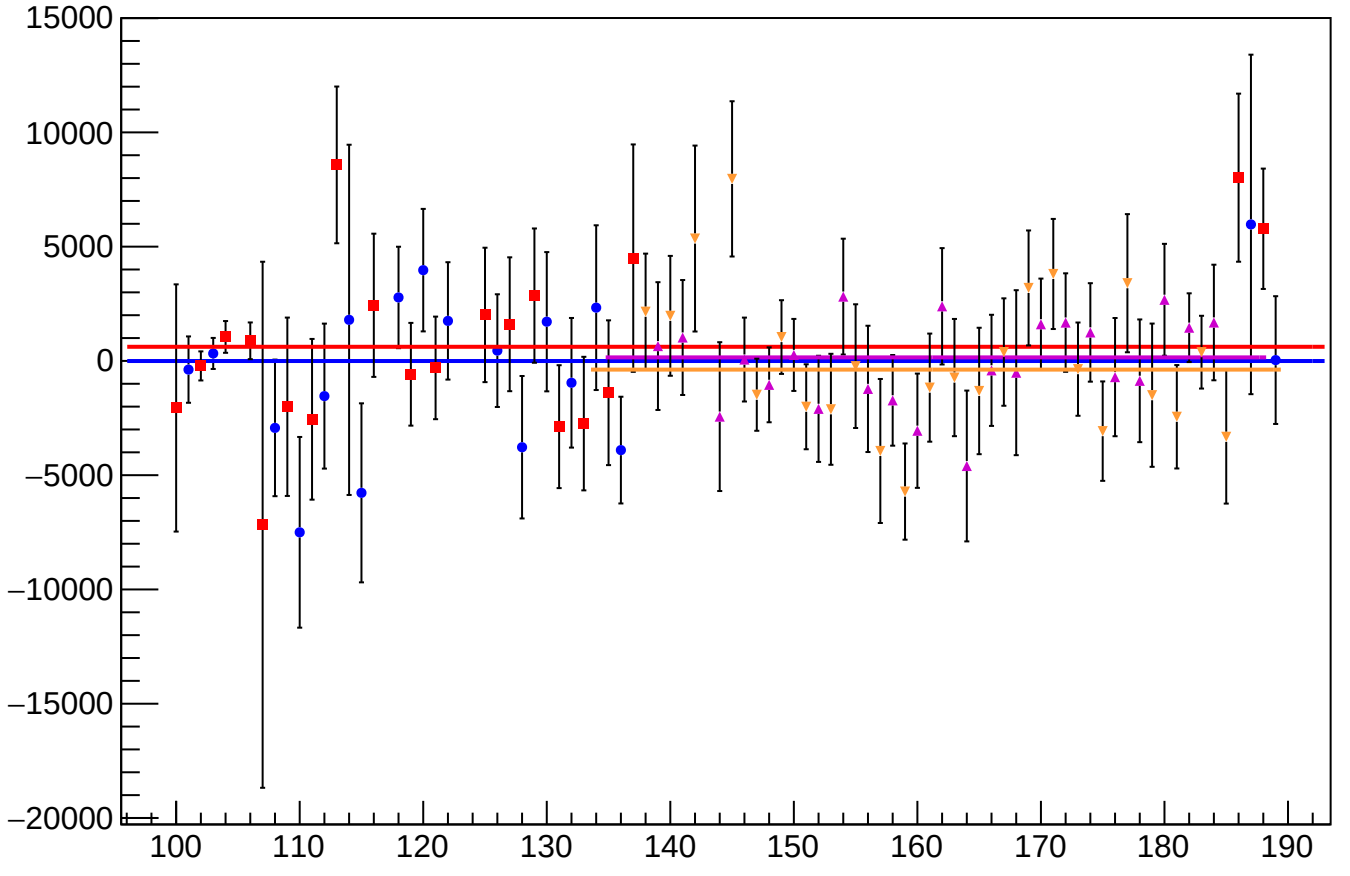
Right Out: 2364.425+/-0.575 χ^2/NDF: 212646.1/19

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2228.685+/-0.308 χ^2/NDF: 548241.2/41

All: 2234.904+/-0.217 χ^2/NDF: 828231.5/84

- sign 2241.071+/-0.306 χ^2/NDF: 279176.1/42



Right In: -4.640+/-477.189 χ^2/NDF: 17.0/17

Left Out: -380.492+/-471.482 χ^2/NDF:30.8/23

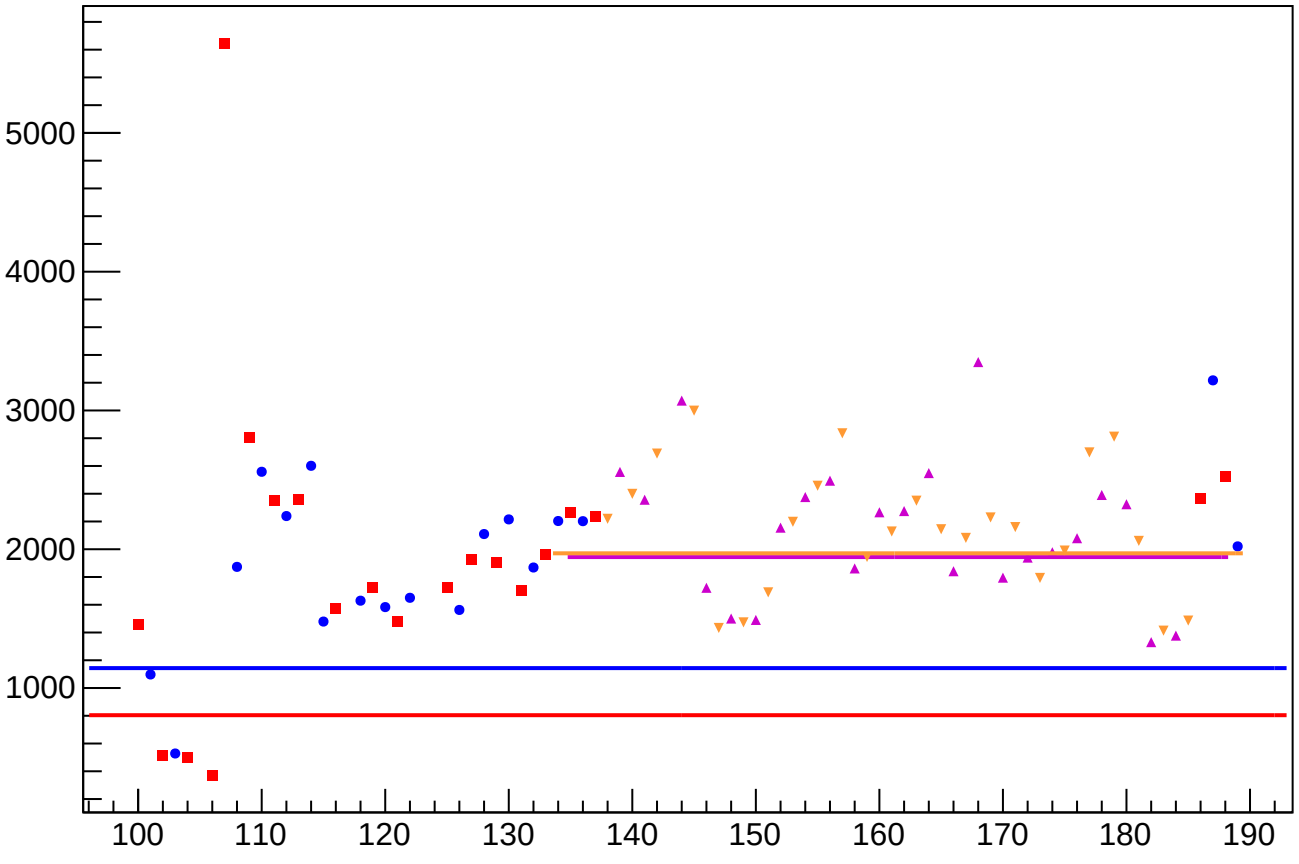
Right Out: 618.090+/-357.485 χ^2/NDF: 23.2/19

Left In: 154.512+/-468.000 χ^2/NDF:12.8/22

+ sign -194.827+/-335.388 χ^2/NDF: 48.0/41

All: 179.034+/-216.773 χ^2/NDF: 86.8/84

- sign 447.271+/-284.087 χ^2/NDF: 36.6/42



Right In: 1143.446+/-0.337 χ^2/NDF: 4109810.3/17

Left Out: 1970.659+/-0.333 χ^2/NDF:1696658.8/23

Right Out: 804.130+/-0.253 χ^2/NDF: 6846979.9/19

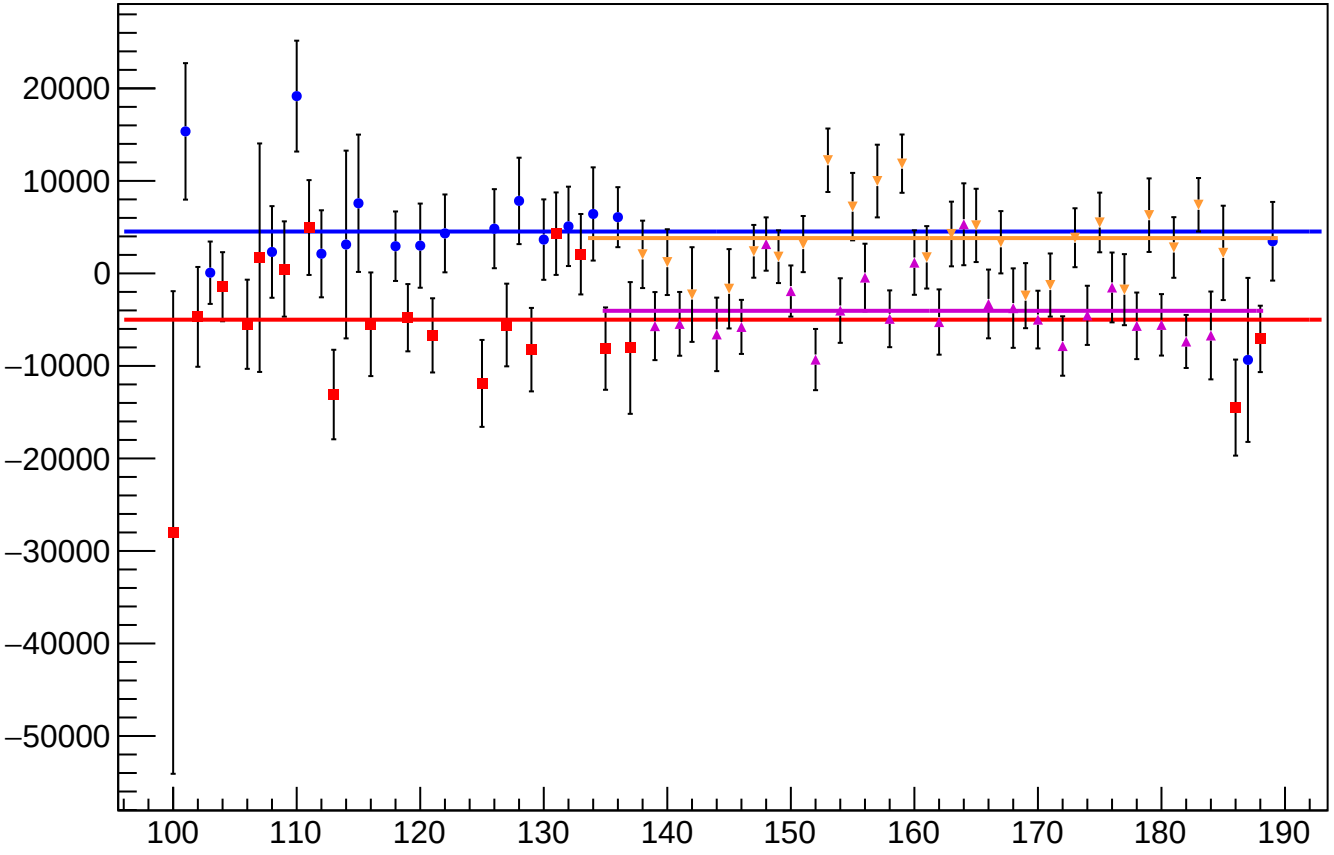
Left In: 1943.631+/-0.331 χ^2/NDF:1882931.8/22

+ sign 1562.029+/-0.237 χ^2/NDF: 8847687.2/41

All: 1365.219+/-0.153 χ^2/NDF: 26248257.9/8

- sign 1224.012+/-0.201 χ^2/NDF: 16217739.5/42

asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4527.376+/-1094.947 χ^2/NDF: 14.3/17

Left Out: 3817.837+/-708.312 χ^2/NDF:30.9/23

Right Out: -5001.964+/-1067.109 χ^2/NDF: 23.9/19

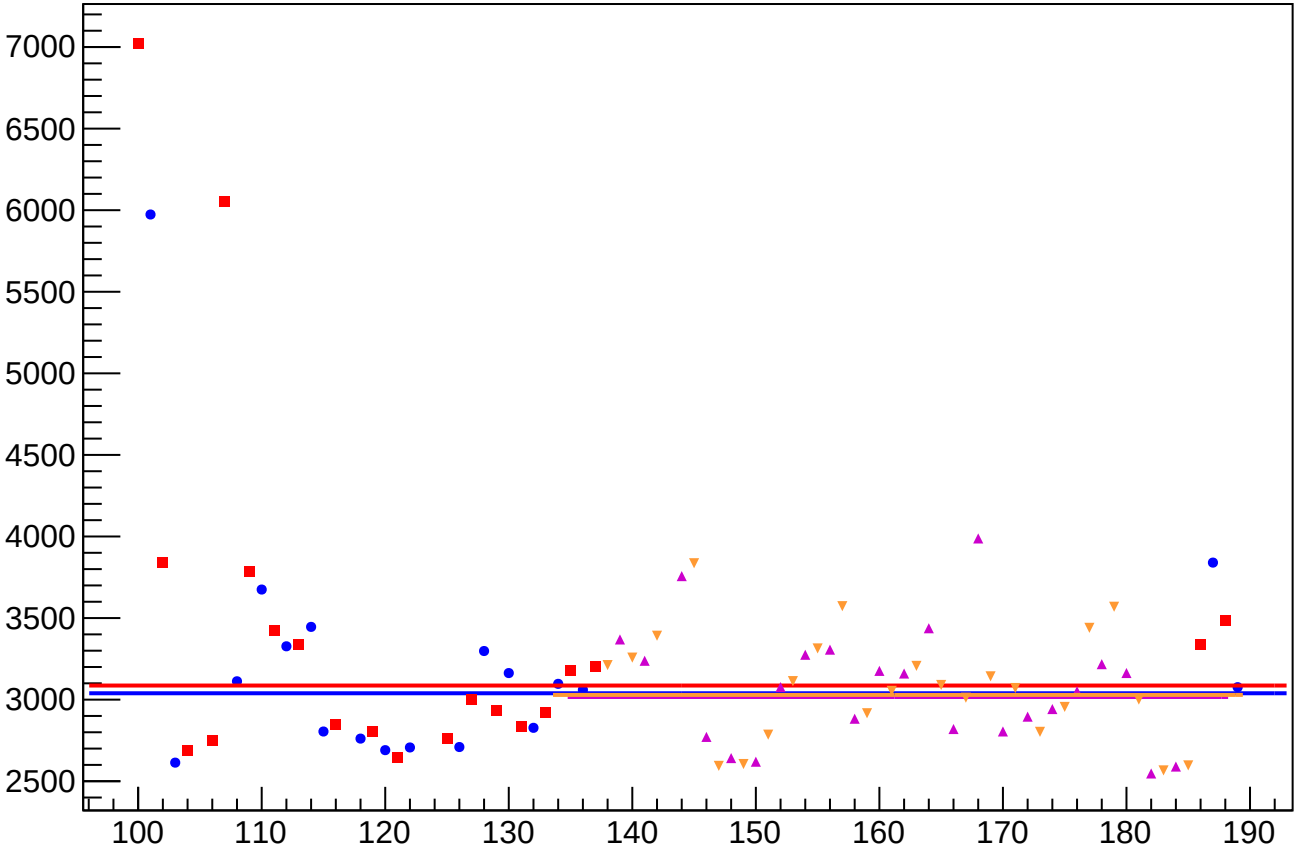
Left In: -4042.422+/-709.573 χ^2/NDF:22.5/22

+ sign 4027.161+/-594.723 χ^2/NDF: 45.4/41

All: -181.919+/-419.163 χ^2/NDF: 191.9/84

- sign -4336.612+/-590.868 χ^2/NDF: 47.0/42

asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 3039.063+/-0.774 χ^2/NDF: 460575.6/17

Left Out: 3028.983+/-0.501 χ^2/NDF:397111.2/23

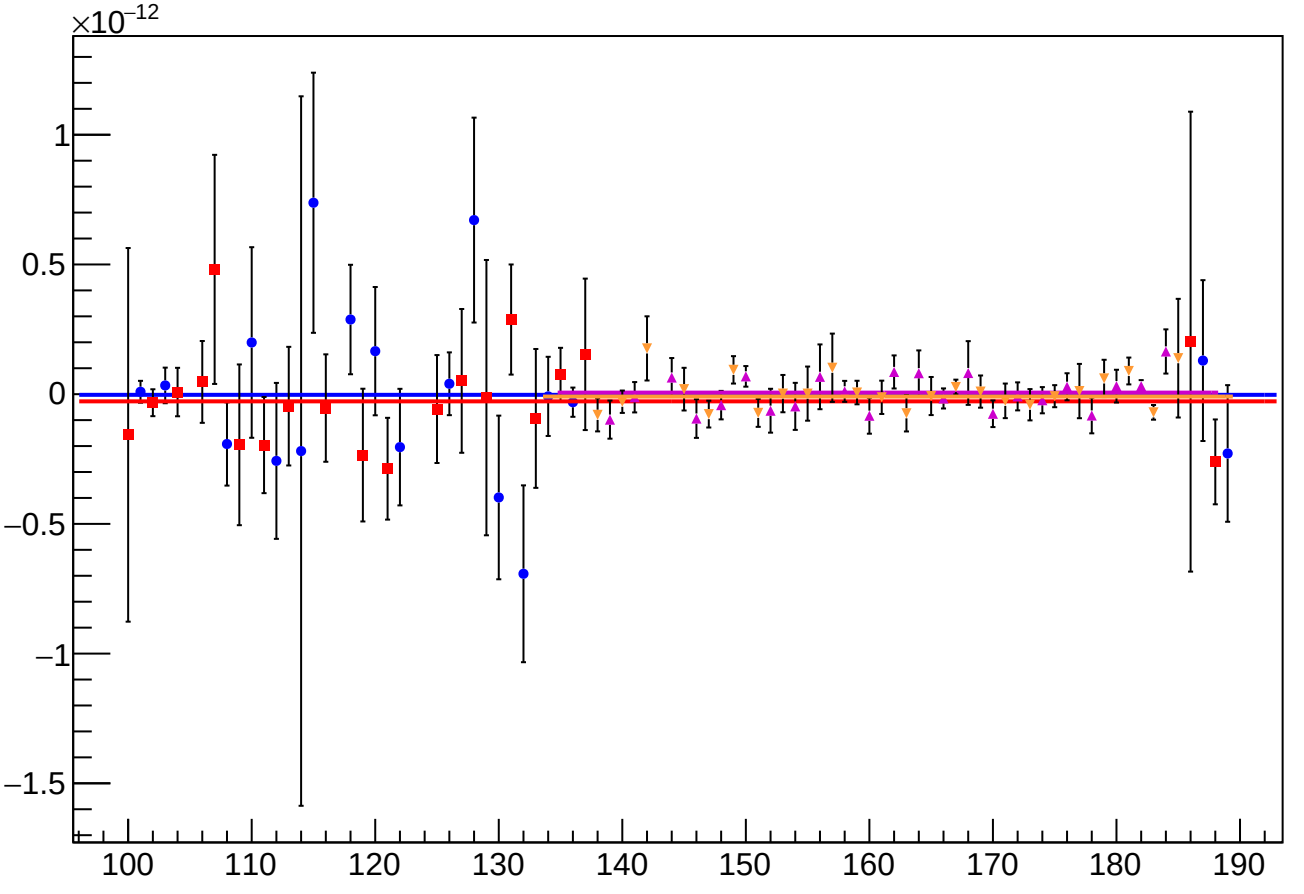
Right Out: 3086.446+/-0.755 χ^2/NDF: 376012.4/19

Left In: 3016.252+/-0.502 χ^2/NDF:439897.8/22

+ sign 3031.957+/-0.421 χ^2/NDF: 857806.2/41

All: 3034.884+/-0.296 χ^2/NDF: 1679813.5/84

- sign 3037.773+/-0.418 χ^2/NDF: 821911.0/42



Right In: -0.000+/-0.000 χ^2/NDF: 18.0/17

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

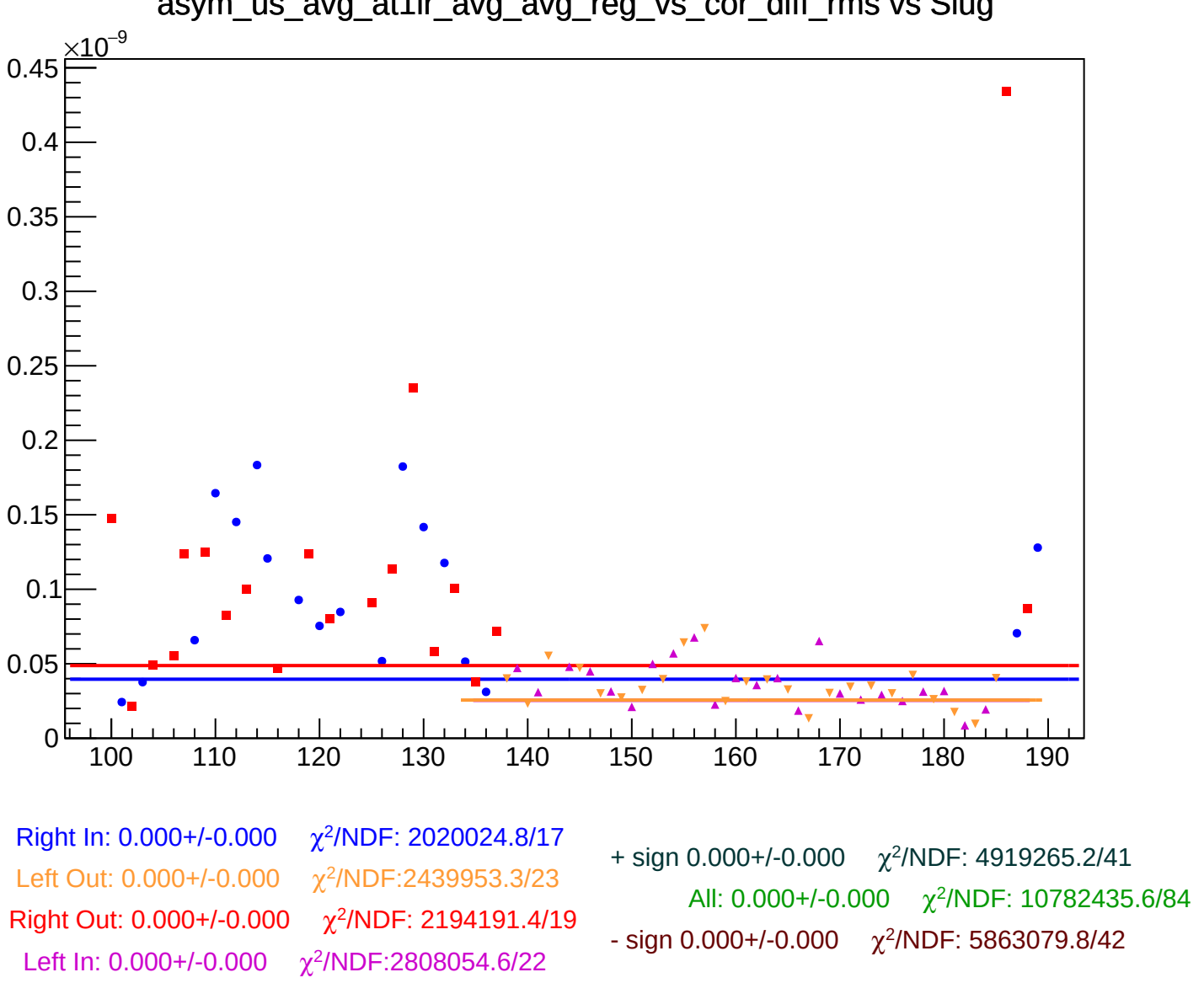
Right Out: -0.000+/-0.000 χ^2/NDF: 11.2/19

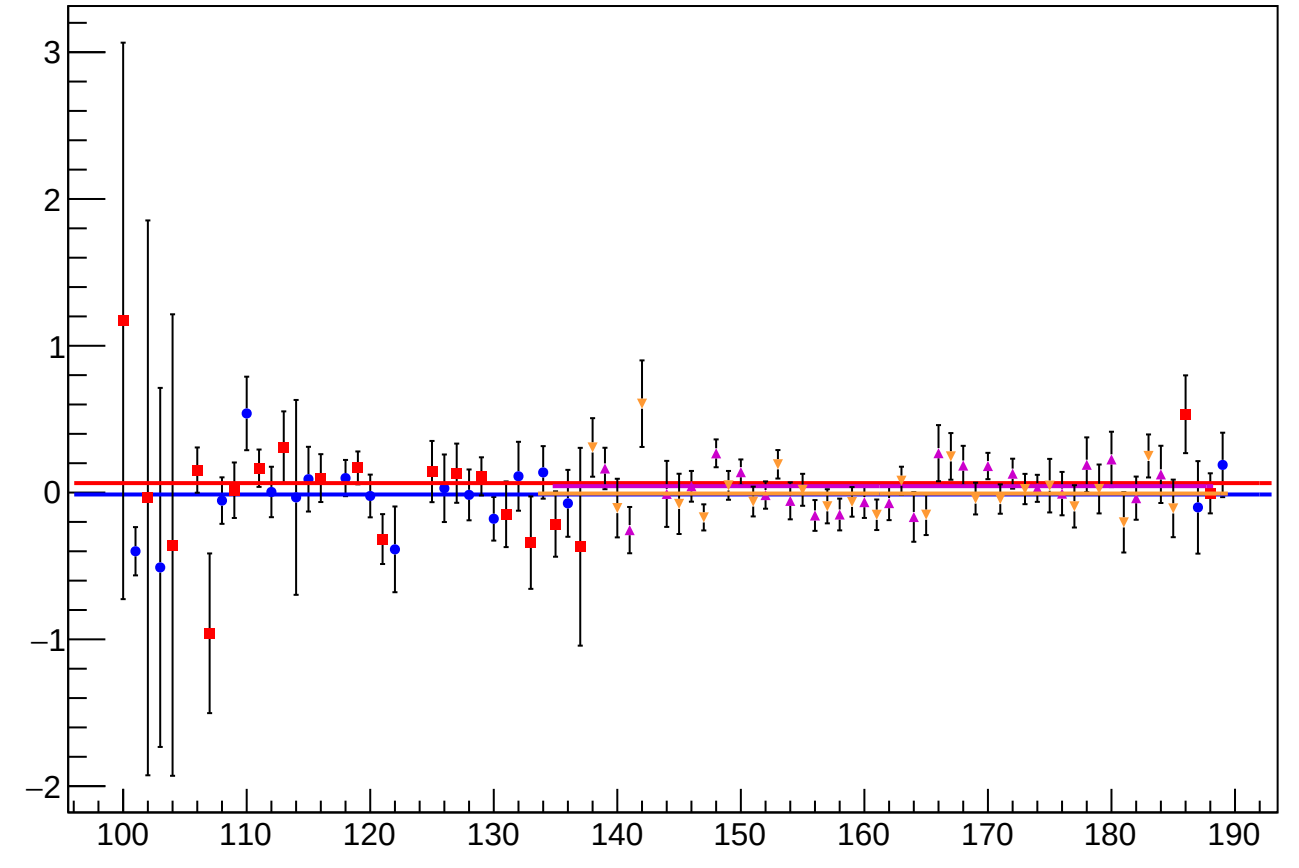
Left In: 0.000+/-0.000 χ^2/NDF:23.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 42.3/41

All: -0.000+/-0.000 χ^2/NDF: 78.1/84

- sign 0.000+/-0.000 χ^2/NDF: 35.3/42


asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2020024.8/17
Left Out: 0.000+/-0.000 χ²/NDF:2439953.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 2194191.4/19
Left In: 0.000+/-0.000 χ²/NDF:2808054.6/22
+ sign 0.000+/-0.000 χ²/NDF: 4919265.2/41
All: 0.000+/-0.000 χ²/NDF: 10782435.6/84
- sign 0.000+/-0.000 χ²/NDF: 5863079.8/42



Right In: -0.013+/-0.046 χ^2/NDF: 16.6/17

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

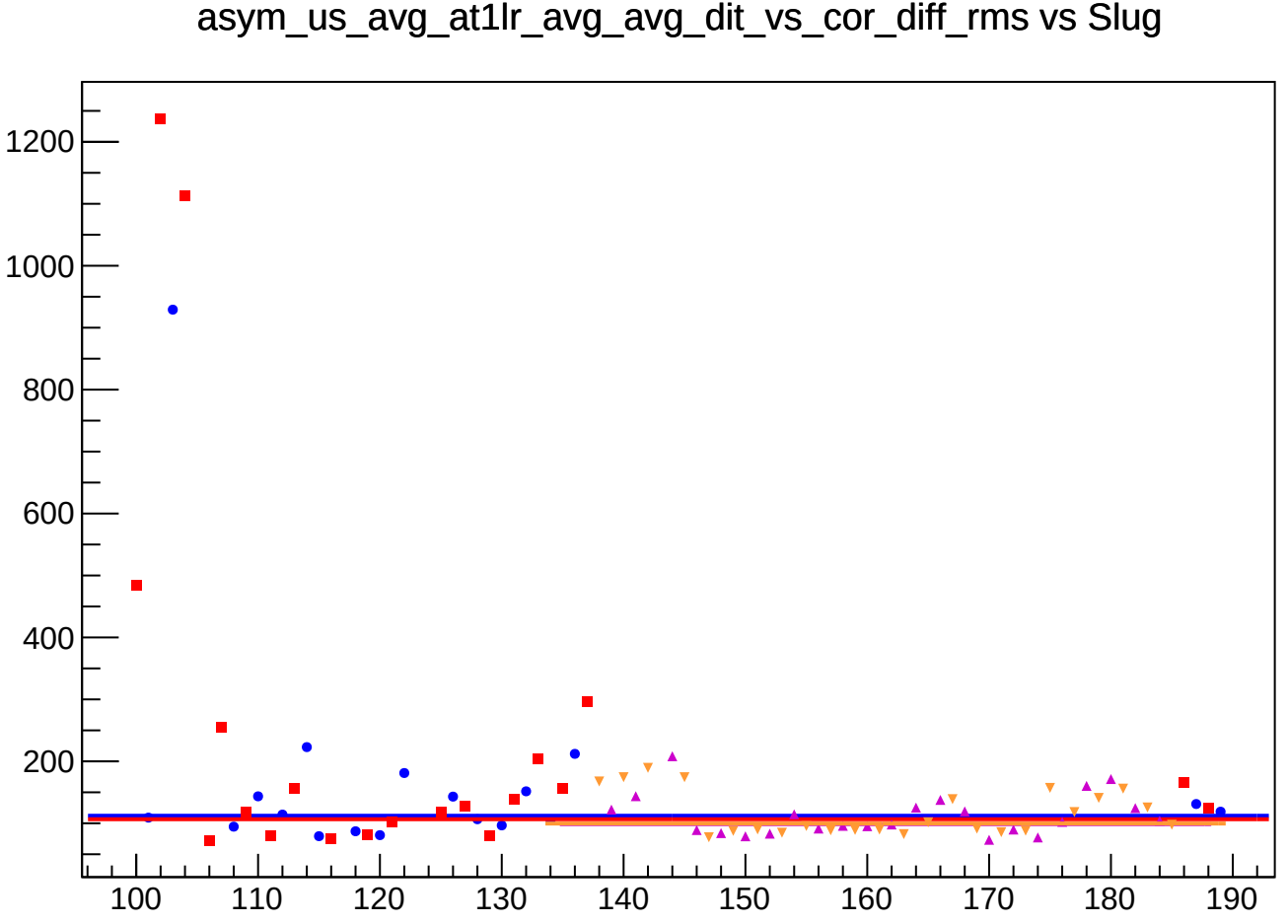
Right Out: 0.064+/-0.043 χ^2/NDF: 20.3/19

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign -0.008+/-0.022 χ^2/NDF: 44.3/41

All: 0.021+/-0.016 χ^2/NDF: 98.3/84

- sign 0.049+/-0.022 χ^2/NDF: 50.7/42



Right In: 112.149+/-0.033 χ^2/NDF: 1848882.4/17

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

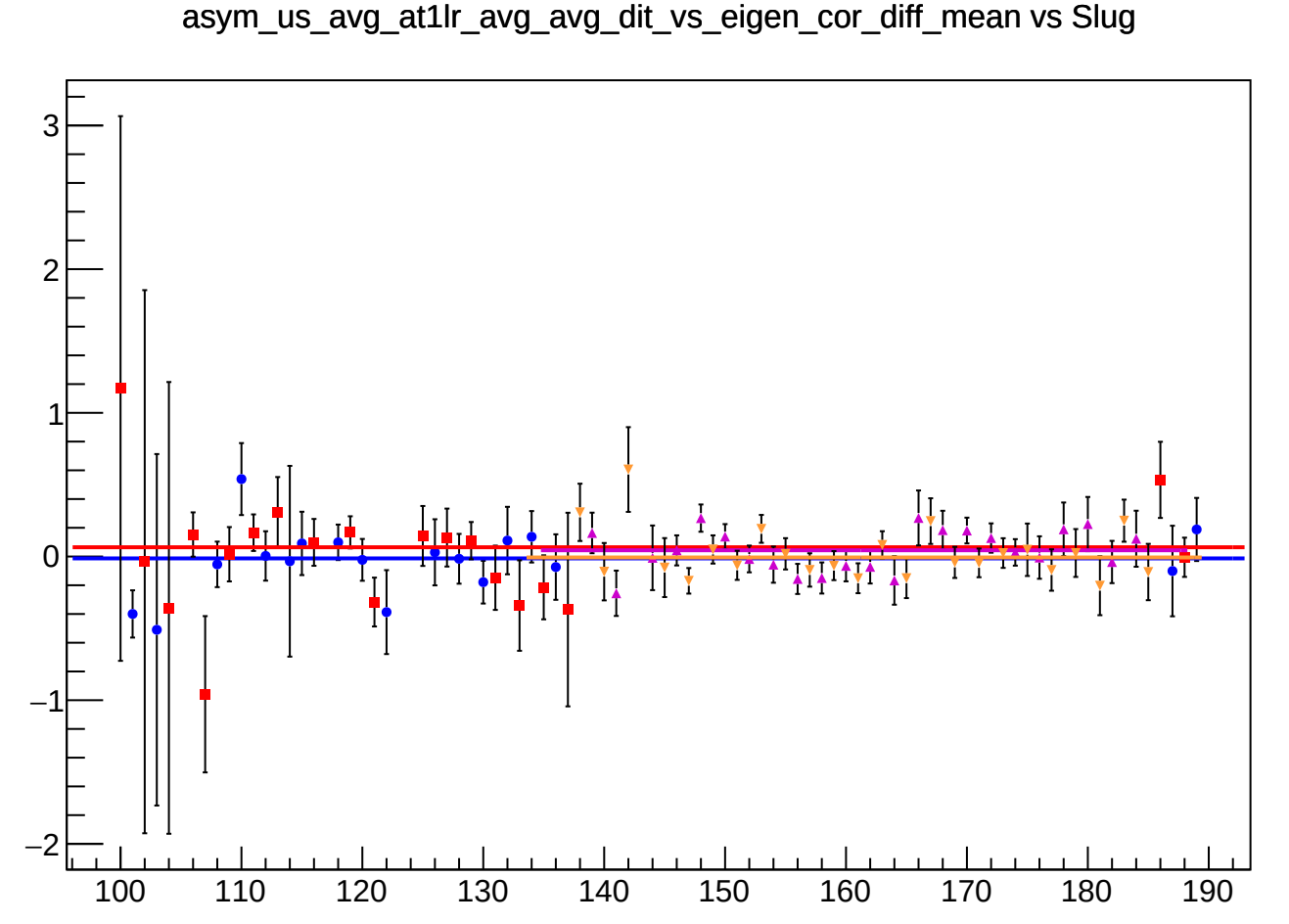
Right Out: 106.546+/-0.031 χ^2/NDF: 2974191.5/19

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

+ sign 102.506+/-0.016 χ^2/NDF: 4034115.4/41

All: 101.553+/-0.011 χ^2/NDF: 9068382.1/84

- sign 100.643+/-0.015 χ^2/NDF: 5027057.0/42



Right In: -0.013+/-0.046 χ^2/NDF: 16.6/17

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

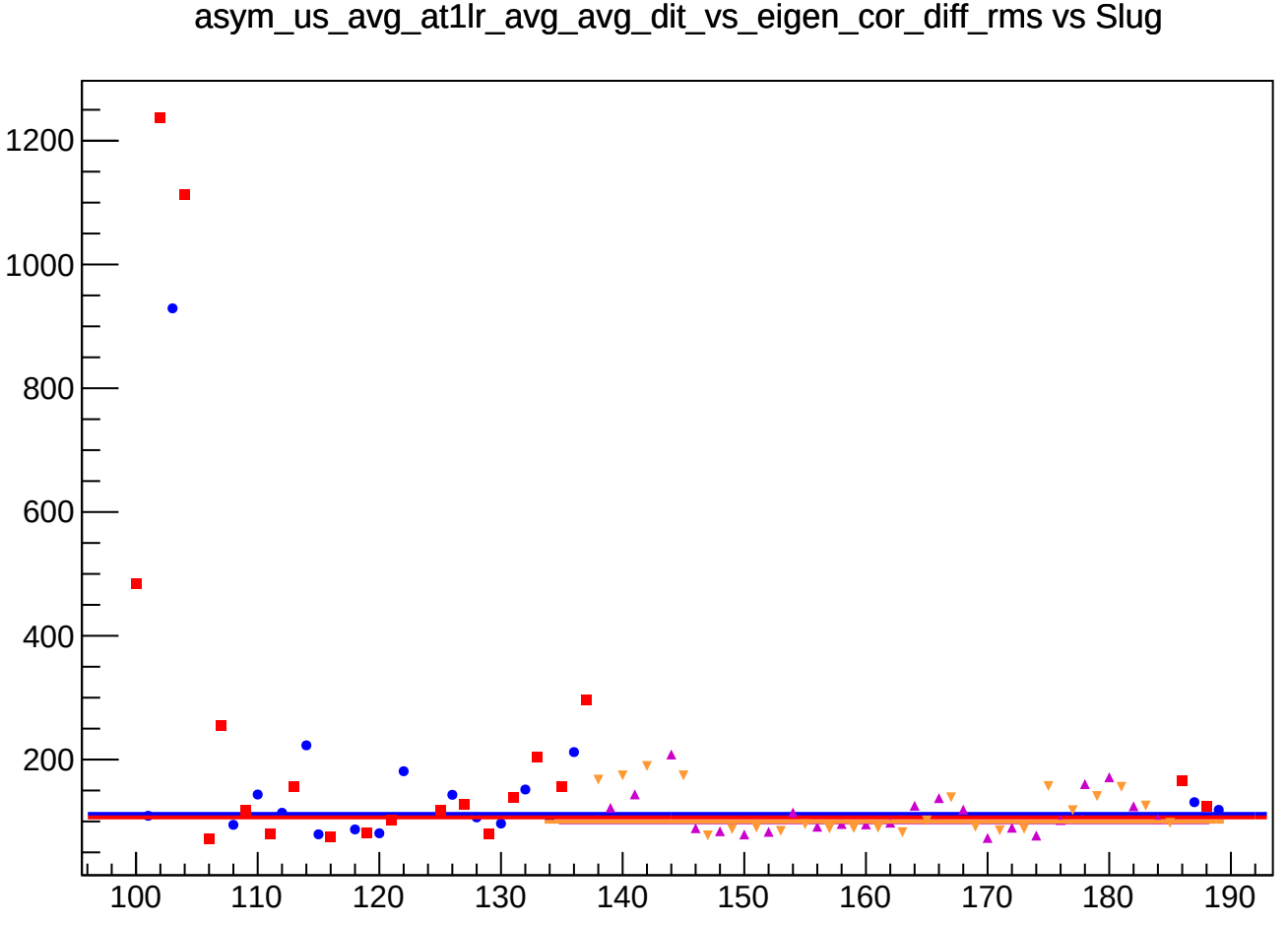
Right Out: 0.064+/-0.043 χ^2/NDF: 20.3/19

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign -0.008+/-0.022 χ^2/NDF: 44.3/41

All: 0.021+/-0.016 χ^2/NDF: 98.3/84

- sign 0.049+/-0.022 χ^2/NDF: 50.7/42



Right In: 112.149+/-0.033 χ^2/NDF: 1848882.4/17

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

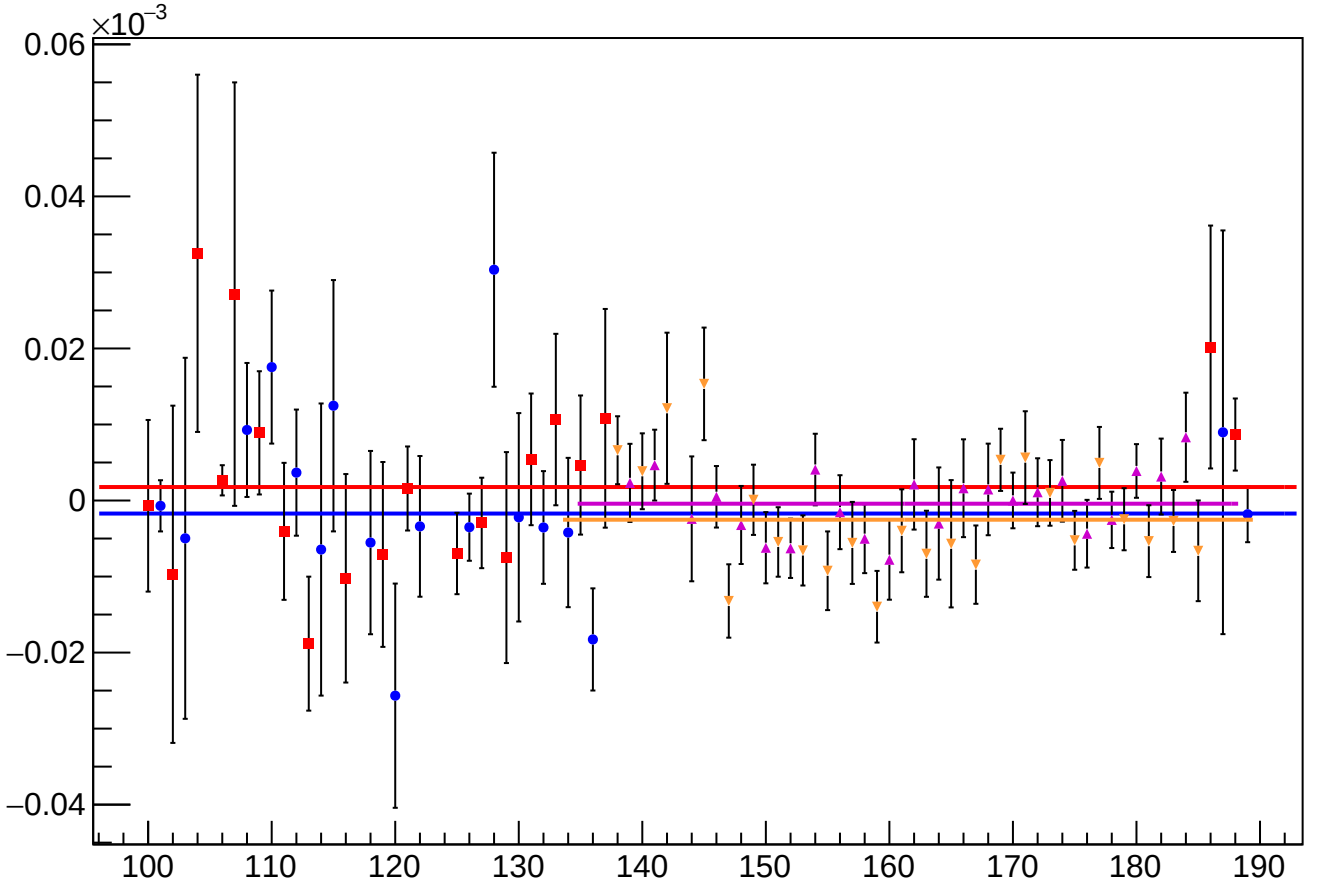
Right Out: 106.546+/-0.031 χ^2/NDF: 2974191.5/19

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

+ sign 102.506+/-0.016 χ^2/NDF: 4034115.4/41

All: 101.553+/-0.011 χ^2/NDF: 9068382.1/84

- sign 100.643+/-0.015 χ^2/NDF: 5027057.0/42



Right In: -0.000+/-0.000 χ^2/NDF: 20.2/17

Left Out: -0.000+/-0.000 χ^2/NDF:40.2/23

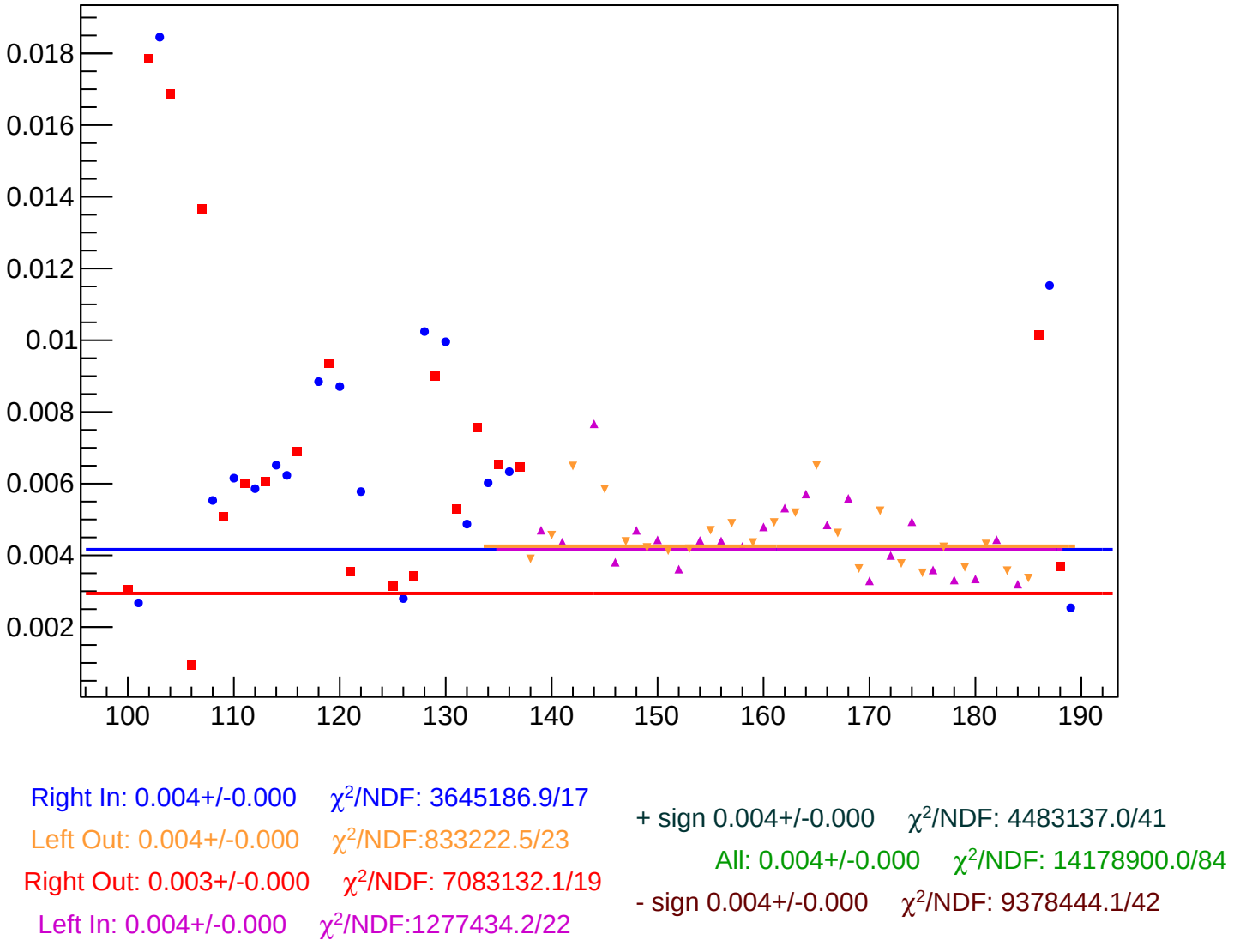
Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/19

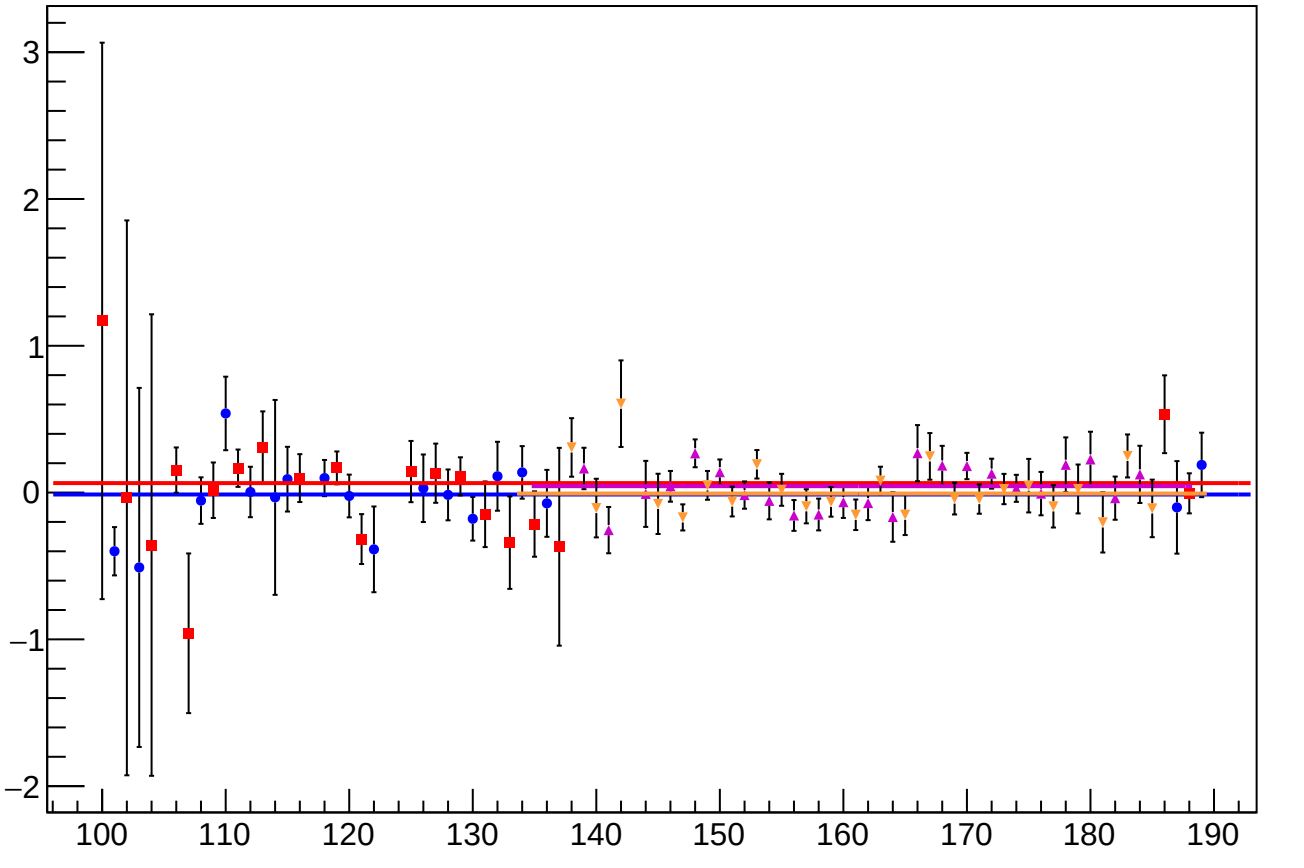
Left In: -0.000+/-0.000 χ^2/NDF:15.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.5/41

All: -0.000+/-0.000 χ^2/NDF: 102.4/84

- sign 0.000+/-0.000 χ^2/NDF: 37.0/42


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
180
190
Right In: 0.004+/-0.000 χ²/NDF: 3645186.9/17
Left Out: 0.004+/-0.000 χ²/NDF:833222.5/23
Right Out: 0.003+/-0.000 χ²/NDF: 7083132.1/19
Left In: 0.004+/-0.000 χ²/NDF:1277434.2/22
+ sign 0.004+/-0.000 χ²/NDF: 4483137.0/41
All: 0.004+/-0.000 χ²/NDF: 14178900.0/84
- sign 0.004+/-0.000 χ²/NDF: 9378444.1/42



Right In: -0.013+/-0.046 χ^2/NDF: 16.6/17

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

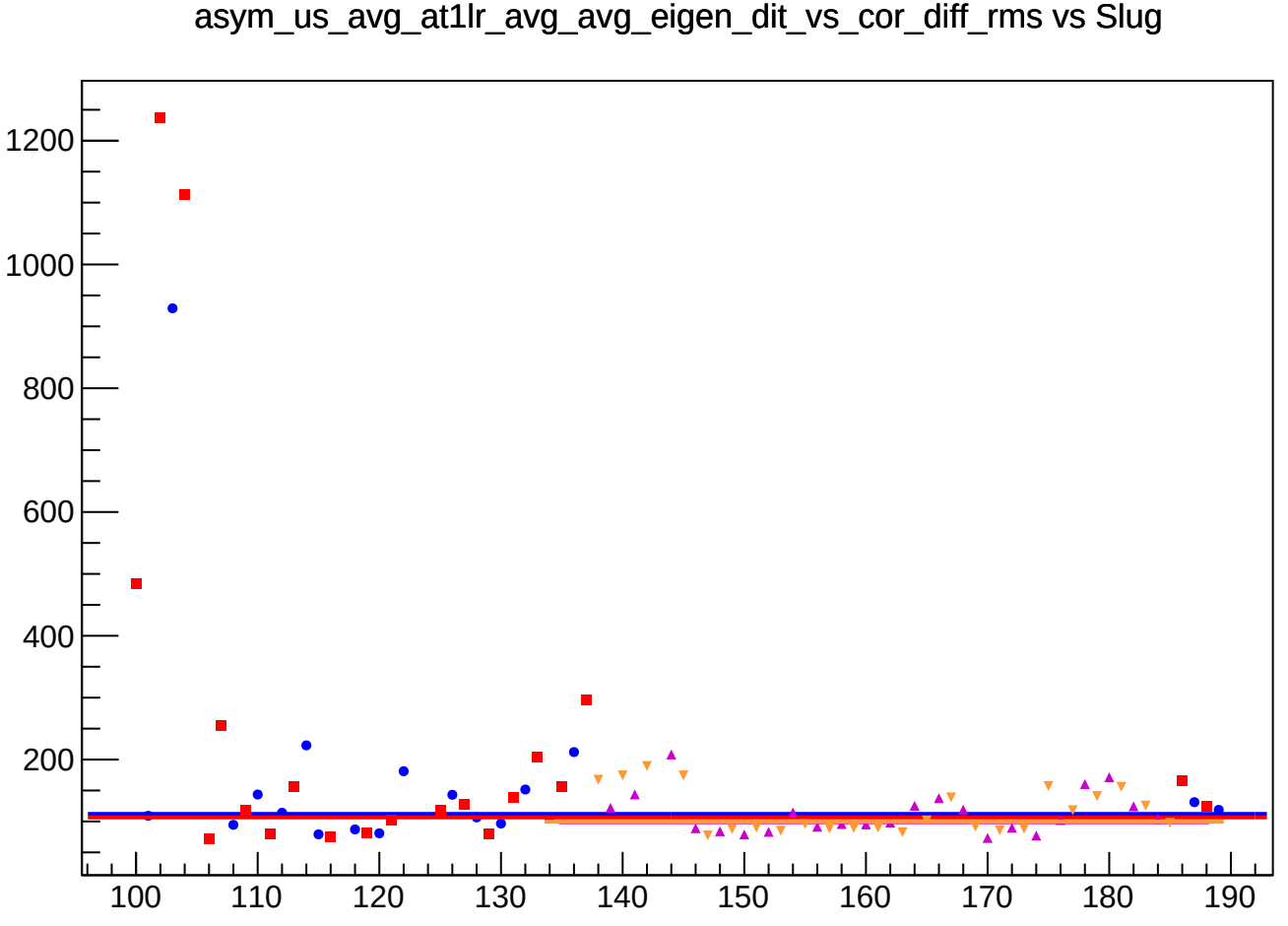
Right Out: 0.064+/-0.043 χ^2/NDF: 20.3/19

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign -0.008+/-0.022 χ^2/NDF: 44.3/41

All: 0.021+/-0.016 χ^2/NDF: 98.3/84

- sign 0.049+/-0.022 χ^2/NDF: 50.7/42



Right In: 112.147+/-0.033 χ^2/NDF: 1848938.4/17

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

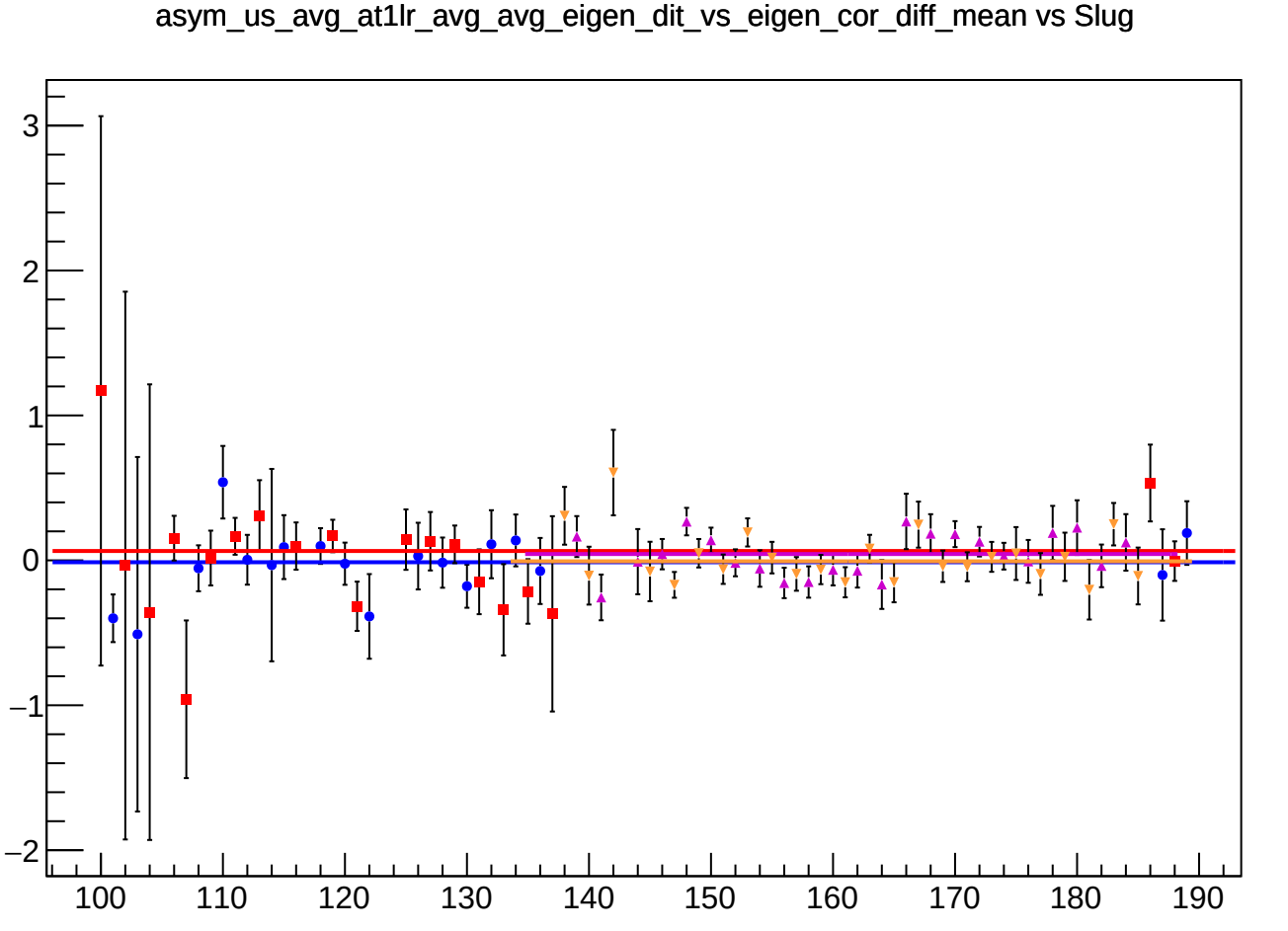
Right Out: 106.544+/-0.031 χ^2/NDF: 2974211.7/19

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

+ sign 102.506+/-0.016 χ^2/NDF: 4034083.4/41

All: 101.553+/-0.011 χ^2/NDF: 9068317.3/84

- sign 100.643+/-0.015 χ^2/NDF: 5027023.6/42



Right In: -0.013+/-0.046 χ^2/NDF: 16.6/17

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

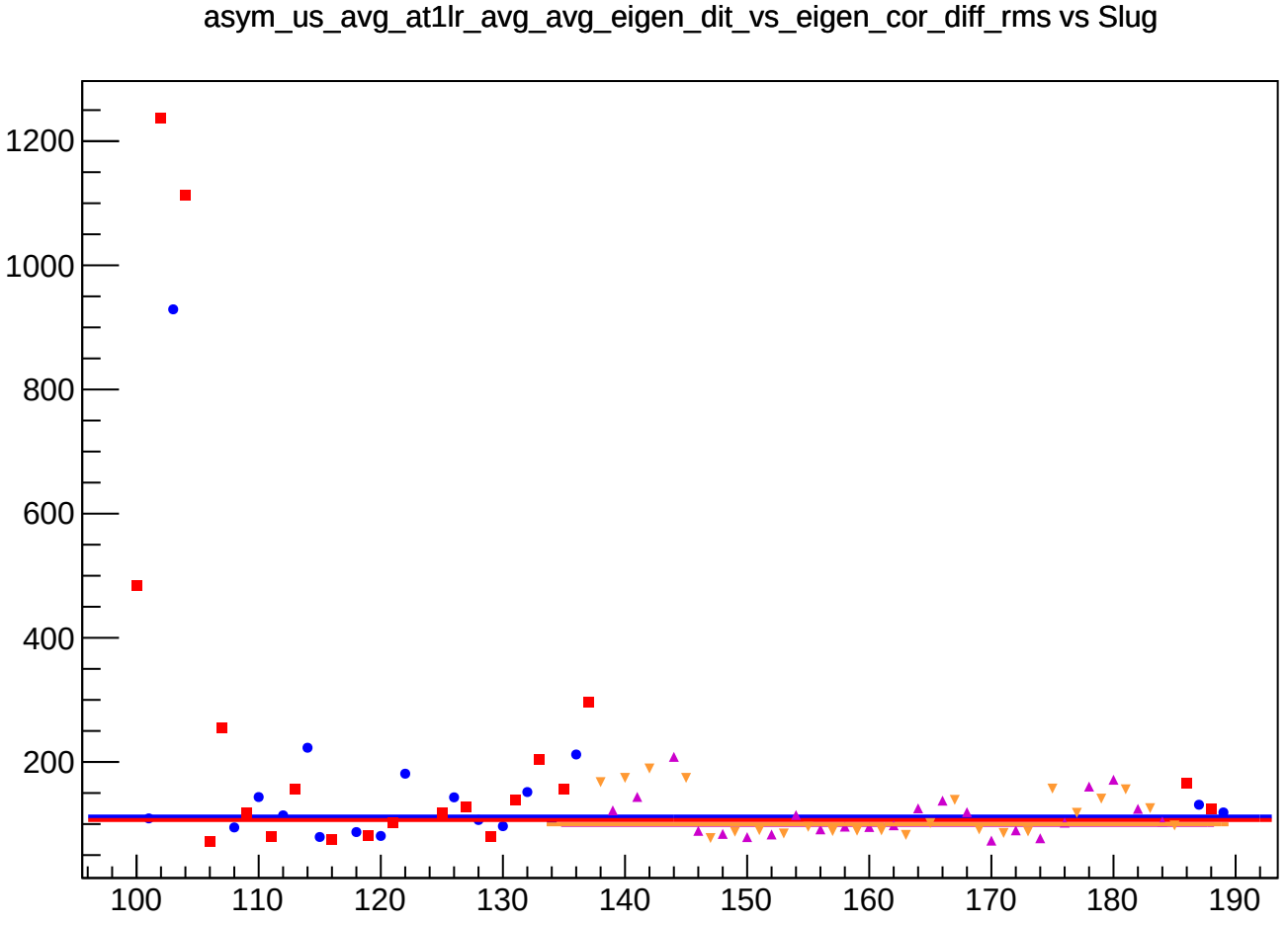
Right Out: 0.064+/-0.043 χ^2/NDF: 20.3/19

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign -0.008+/-0.022 χ^2/NDF: 44.3/41

All: 0.021+/-0.016 χ^2/NDF: 98.3/84

- sign 0.049+/-0.022 χ^2/NDF: 50.7/42



Right In: 112.147+/-0.033 χ^2/NDF: 1848938.4/17

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

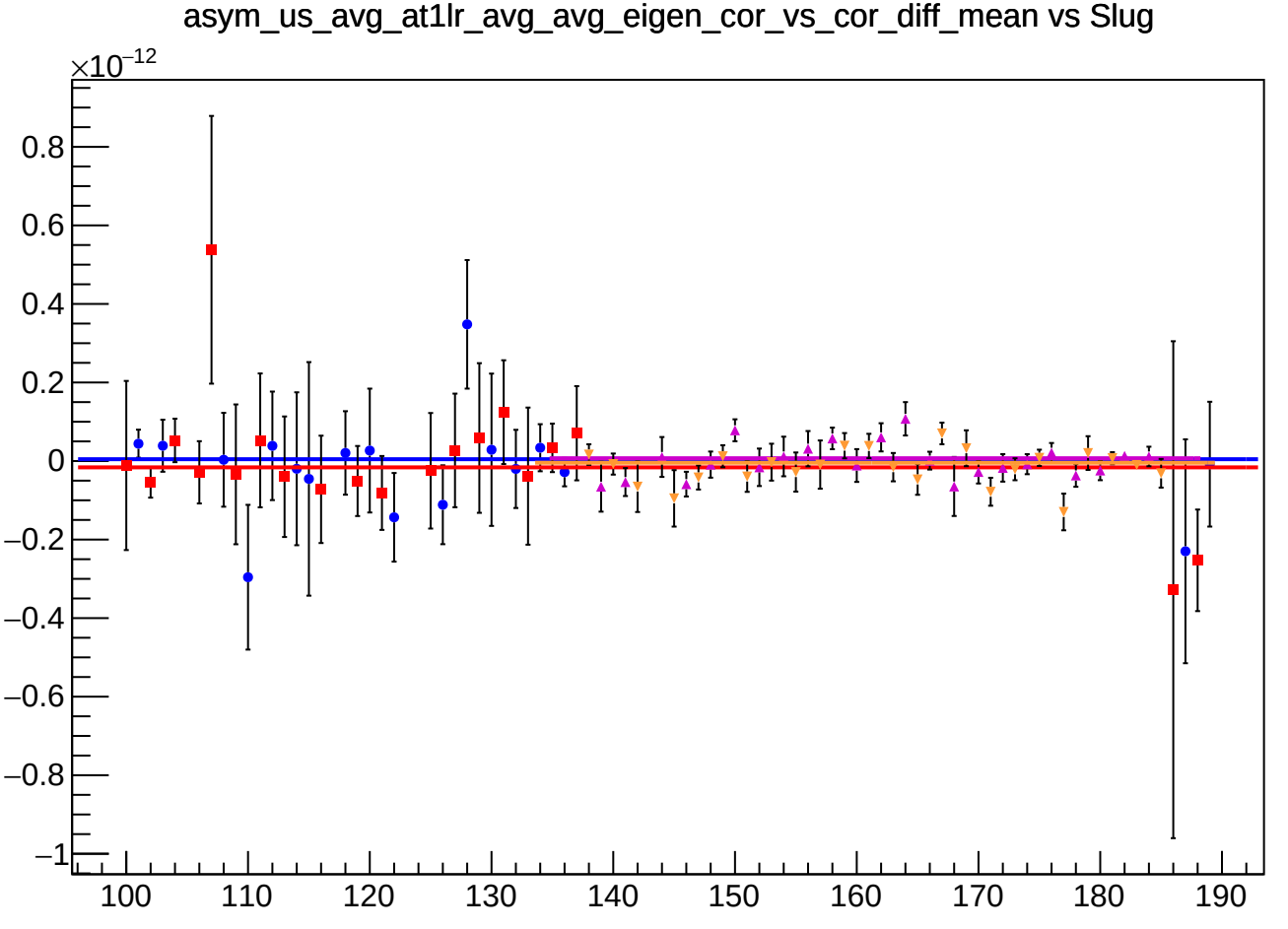
Right Out: 106.544+/-0.031 χ^2/NDF: 2974211.7/19

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

+ sign 102.506+/-0.016 χ^2/NDF: 4034083.4/41

All: 101.553+/-0.011 χ^2/NDF: 9068317.3/84

- sign 100.643+/-0.015 χ^2/NDF: 5027023.6/42



Right In: 0.000+/-0.000 χ^2/NDF: 13.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:32.9/23

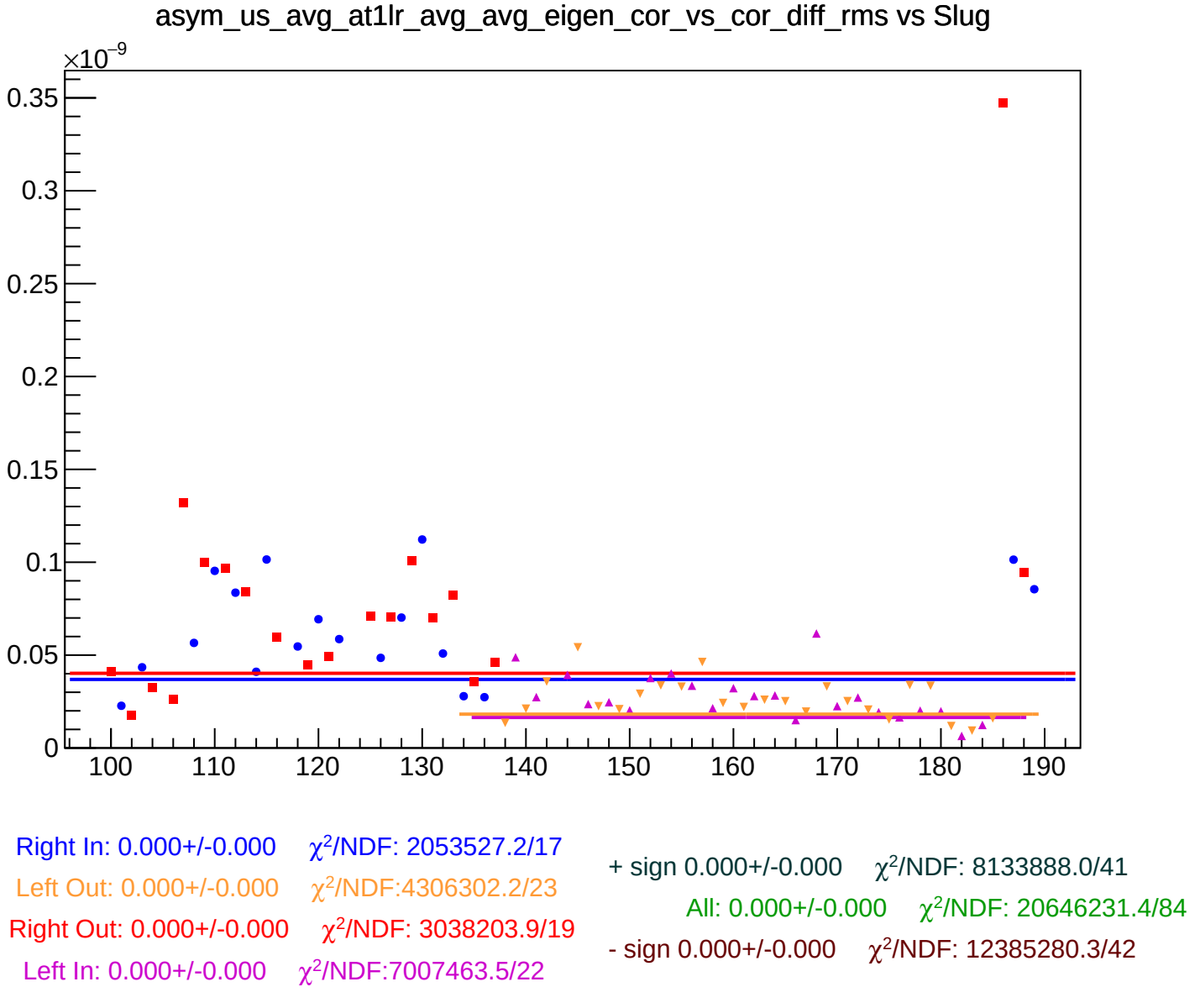
Right Out: -0.000+/-0.000 χ^2/NDF: 12.4/19

Left In: 0.000+/-0.000 χ^2/NDF:35.2/22

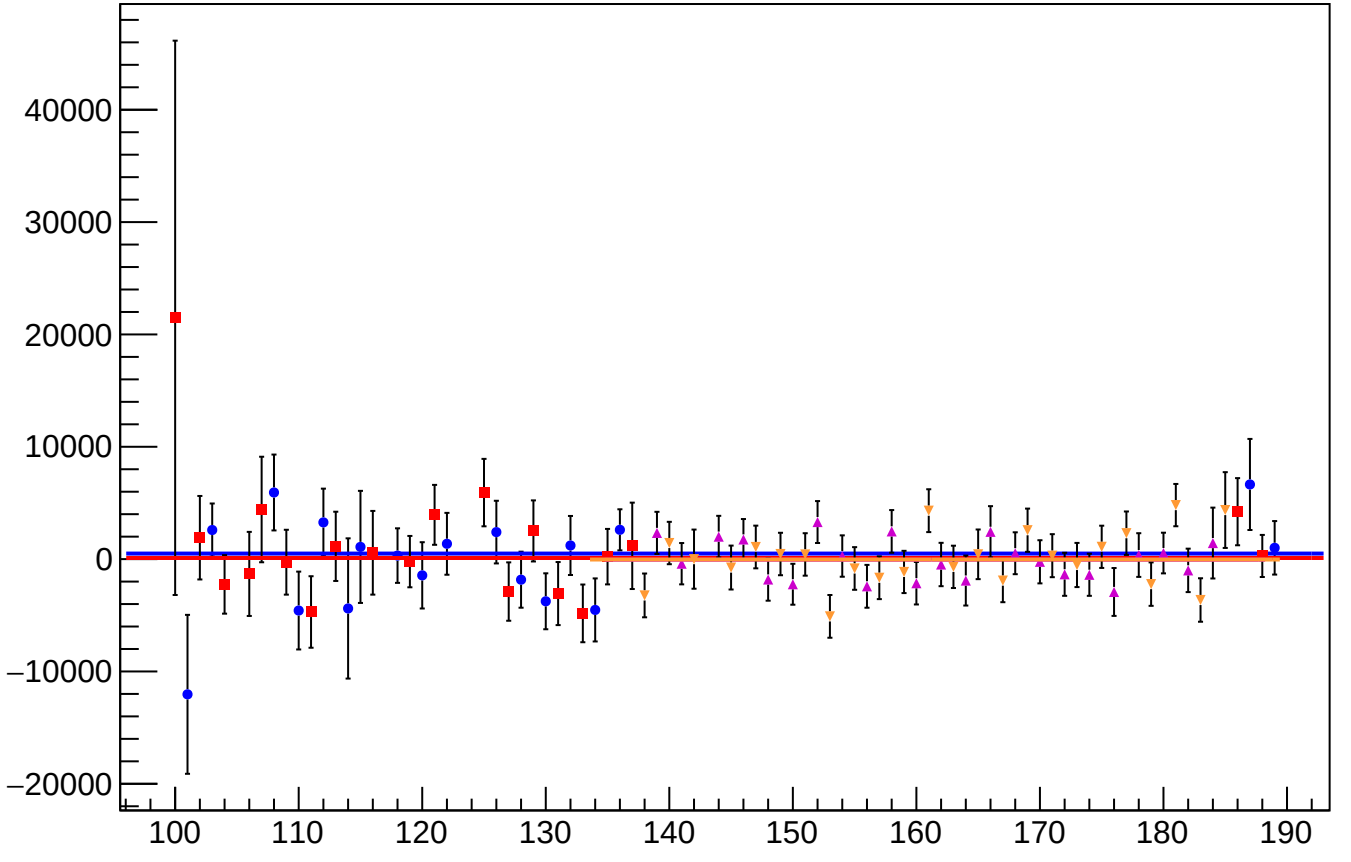
\+ sign -0.000+/-0.000 χ^2/NDF: 46.7/41

All: 0.000+/-0.000 χ^2/NDF: 96.9/84

\- sign 0.000+/-0.000 χ^2/NDF: 48.7/42


asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2053527.2/17
Left Out: 0.000+/-0.000 χ²/NDF:4306302.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 3038203.9/19
Left In: 0.000+/-0.000 χ²/NDF:7007463.5/22
+ sign 0.000+/-0.000 χ²/NDF: 8133888.0/41
All: 0.000+/-0.000 χ²/NDF: 20646231.4/84
- sign 0.000+/-0.000 χ²/NDF: 12385280.3/42

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 493.558+/-670.766 χ^2/NDF: 21.9/17

Left Out: -34.799+/-401.970 χ^2/NDF:35.4/23

Right Out: 100.730+/-649.889 χ^2/NDF: 20.1/19

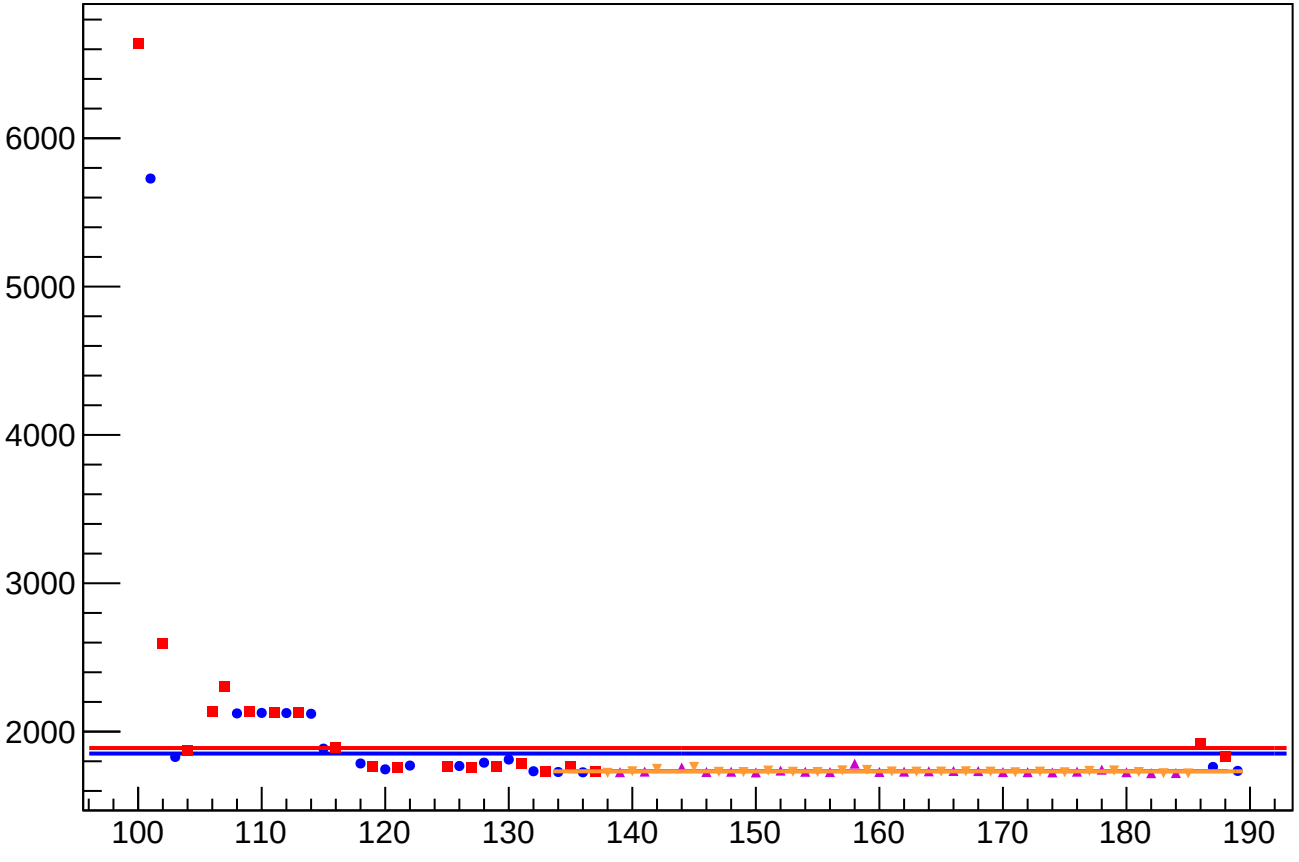
Left In: -52.796+/-404.703 χ^2/NDF:19.4/22

+ sign 104.810+/-344.798 χ^2/NDF: 57.7/41

All: 47.247+/-243.362 χ^2/NDF: 97.3/84

- sign -9.897+/-343.538 χ^2/NDF: 39.6/42

reg_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1852.019+/-0.474 χ^2/NDF: 679224.8/17

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

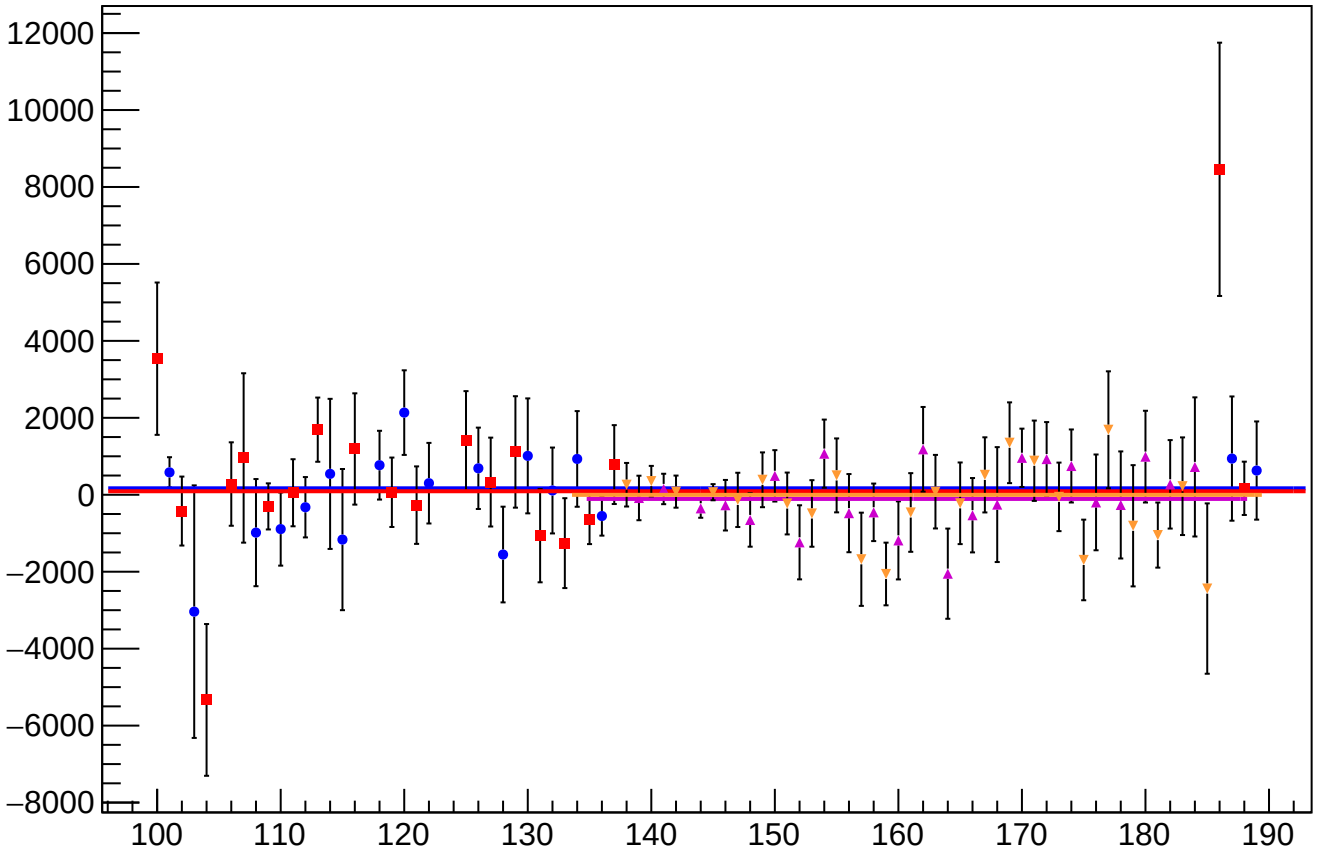
Right Out: 1889.305+/-0.460 χ^2/NDF: 252871.6/19

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1763.702+/-0.244 χ^2/NDF: 727285.4/41

All: 1770.327+/-0.172 χ^2/NDF: 1066885.9/84

- sign 1776.903+/-0.243 χ^2/NDF: 338129.3/42



Right In: 167.890+/-214.967 χ^2/NDF: 13.8/17

Left Out: -2.406+/-130.052 χ^2/NDF:20.3/23

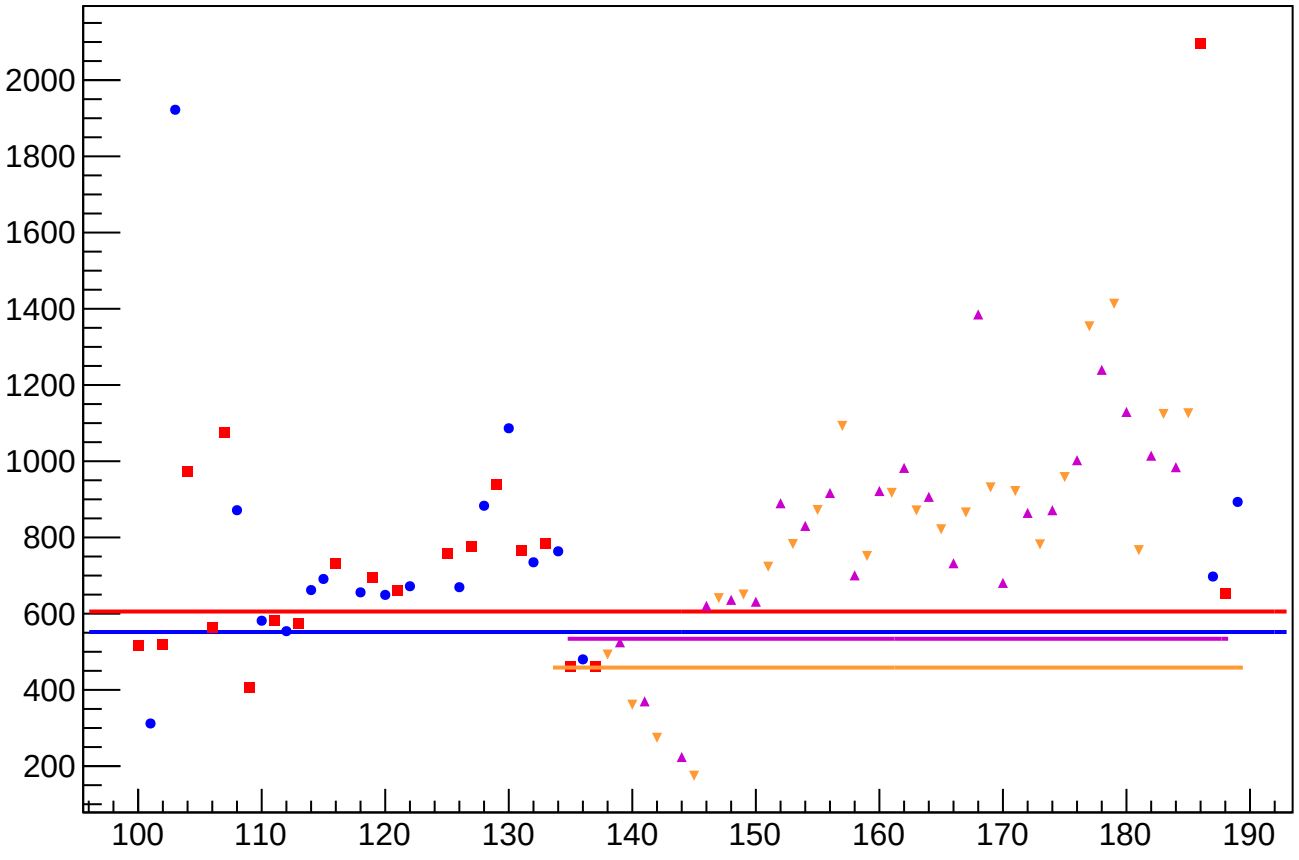
Right Out: 91.457+/-224.776 χ^2/NDF: 27.9/19

Left In: -108.386+/-143.315 χ^2/NDF:17.0/22

+ sign 43.223+/-111.273 χ^2/NDF: 34.6/41

All: 0.161+/-81.856 χ^2/NDF: 80.4/84

- sign -50.627+/-120.842 χ^2/NDF: 45.5/42



Right In: 551.874+/-0.152 χ^2/NDF: 2020735.9/17

Left Out: 458.579+/-0.092 χ^2/NDF:11426734.4/23

Right Out: 605.647+/-0.159 χ^2/NDF: 1269255.8/19

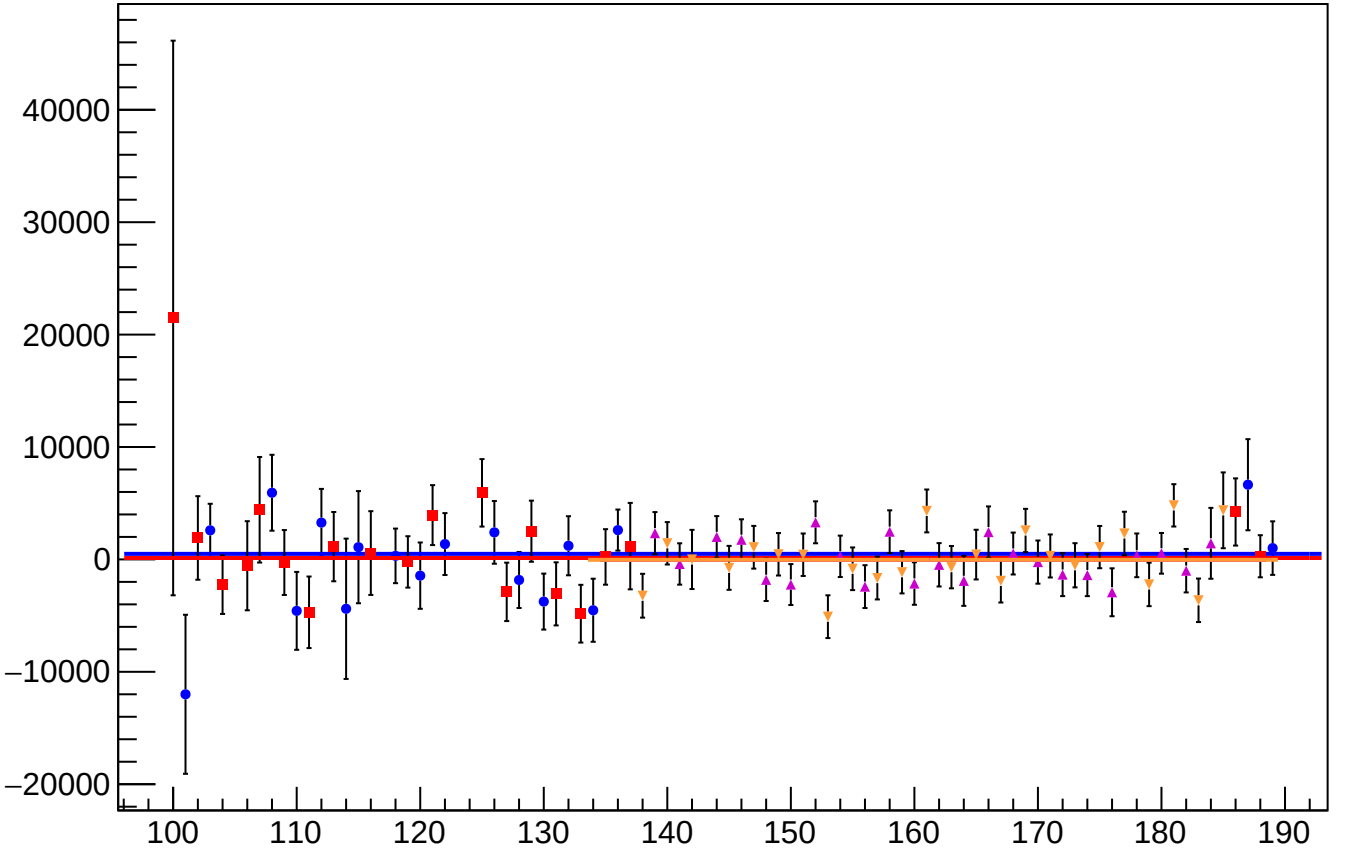
Left In: 534.161+/-0.101 χ^2/NDF:8443293.1/22

+ sign 483.576+/-0.079 χ^2/NDF: 13723240.8/41

All: 516.267+/-0.058 χ^2/NDF: 23955829.6/84

- sign 554.822+/-0.085 χ^2/NDF: 9856373.8/42

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 493.715+/-670.766 χ^2/NDF: 21.9/17

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: 125.931+/-650.959 χ^2/NDF: 20.0/19

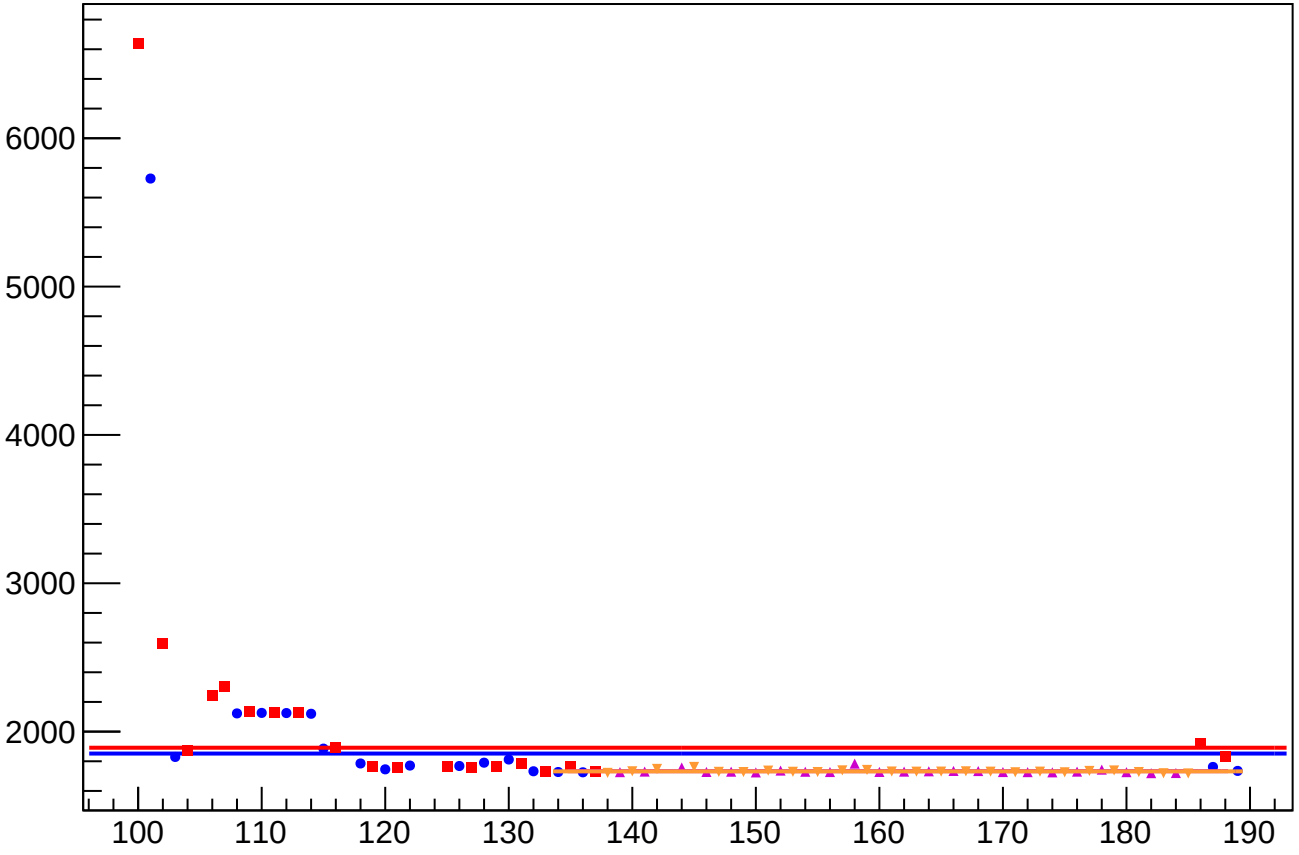
Left In: -52.714+/-404.703 χ^2/NDF:19.4/22

\+ sign 104.893+/-344.798 χ^2/NDF: 57.7/41

All: 50.817+/-243.418 χ^2/NDF: 97.2/84

\- sign -2.913+/-343.696 χ^2/NDF: 39.5/42

cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1852.019+/-0.474 χ^2/NDF: 679224.8/17

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

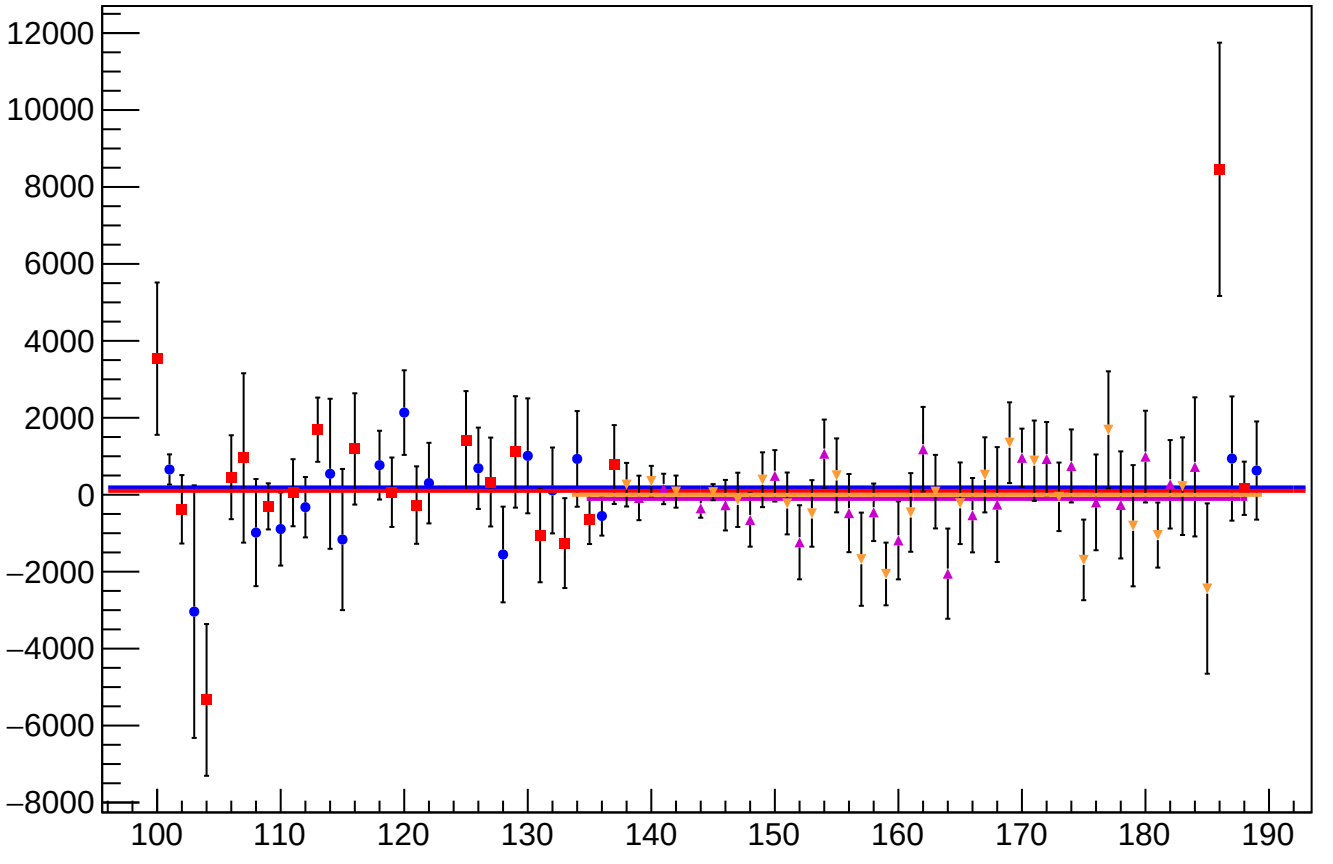
Right Out: 1891.324+/-0.460 χ^2/NDF: 259918.2/19

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1763.702+/-0.244 χ^2/NDF: 727285.2/41

All: 1770.554+/-0.172 χ^2/NDF: 1075997.2/84

- sign 1777.363+/-0.243 χ^2/NDF: 347137.2/42



Right In: 190.141+/-214.897 χ^2/NDF: 14.3/17

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

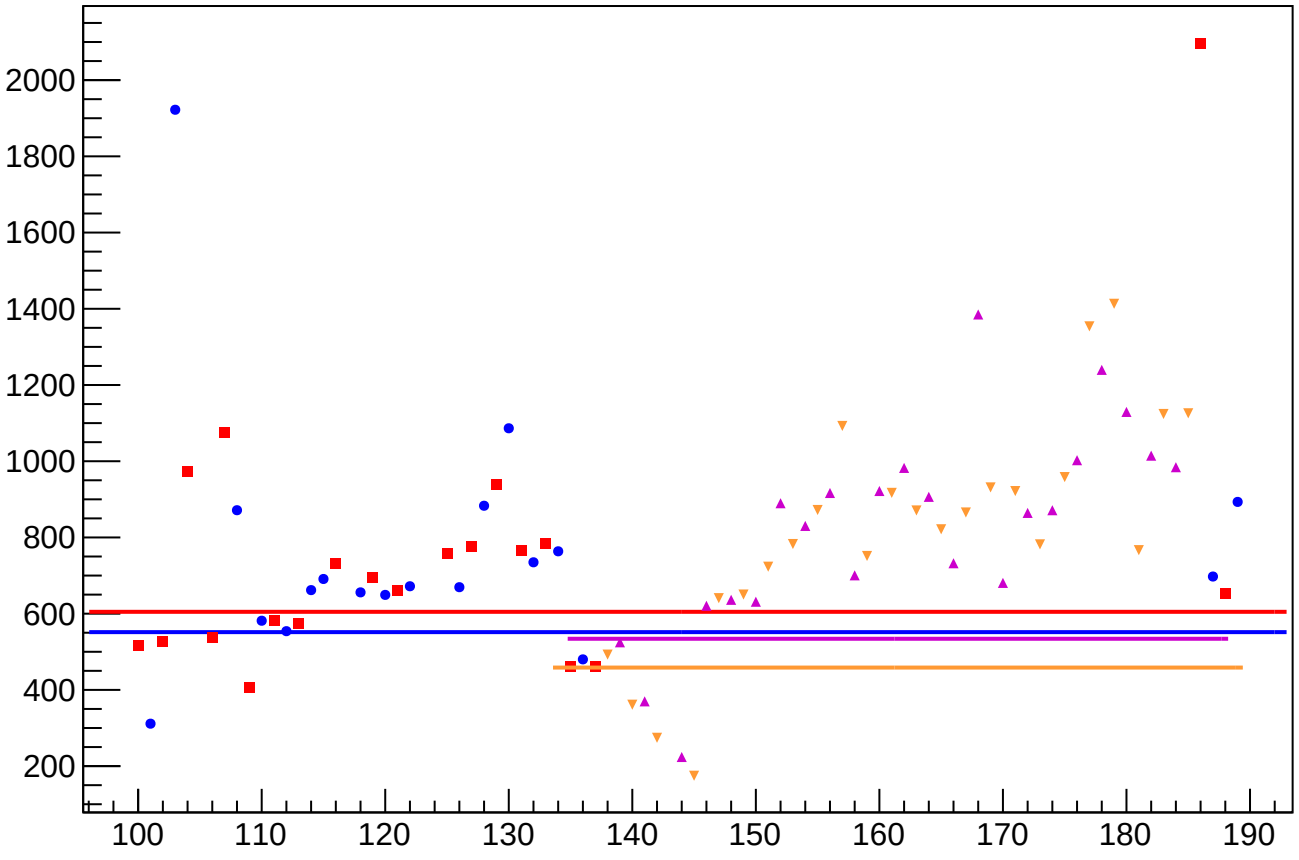
Right Out: 101.204+/-224.728 χ^2/NDF: 27.9/19

Left In: -108.358+/-143.315 χ^2/NDF:17.0/22

+ sign 49.121+/-111.265 χ^2/NDF: 35.1/41

All: 4.663+/-81.850 χ^2/NDF: 81.0/84

- sign -47.771+/-120.835 χ^2/NDF: 45.6/42



Right In: 551.568+/-0.152 χ^2/NDF: 2025427.2/17

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

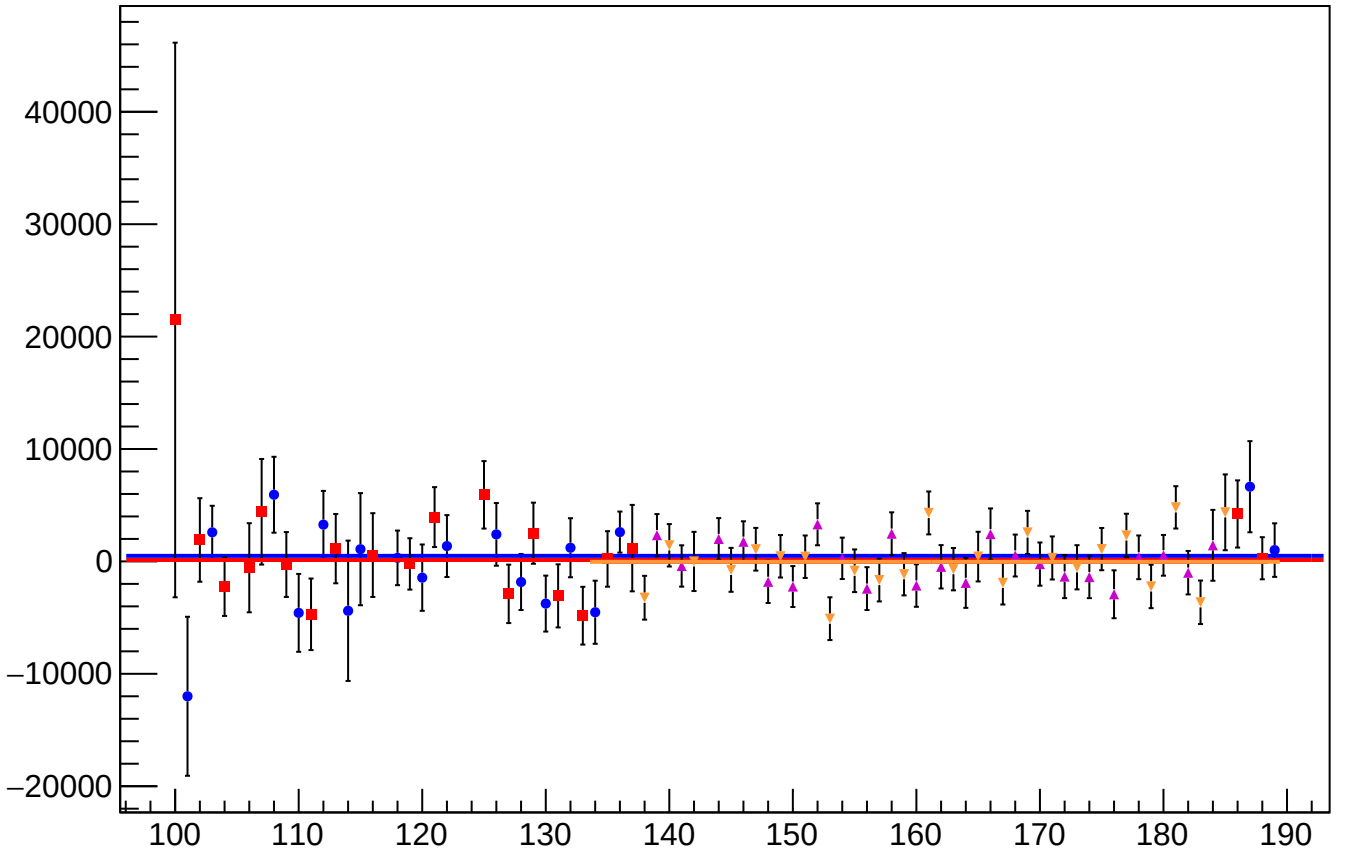
Right Out: 604.875+/-0.159 χ^2/NDF: 1271546.0/19

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

+ sign 483.514+/-0.079 χ^2/NDF: 13725780.3/41

All: 516.136+/-0.058 χ^2/NDF: 23955573.5/84

- sign 554.611+/-0.085 χ^2/NDF: 9855104.7/42



Right In: 493.715+/-670.766 χ^2/NDF: 21.9/17

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: 125.931+/-650.959 χ^2/NDF: 20.0/19

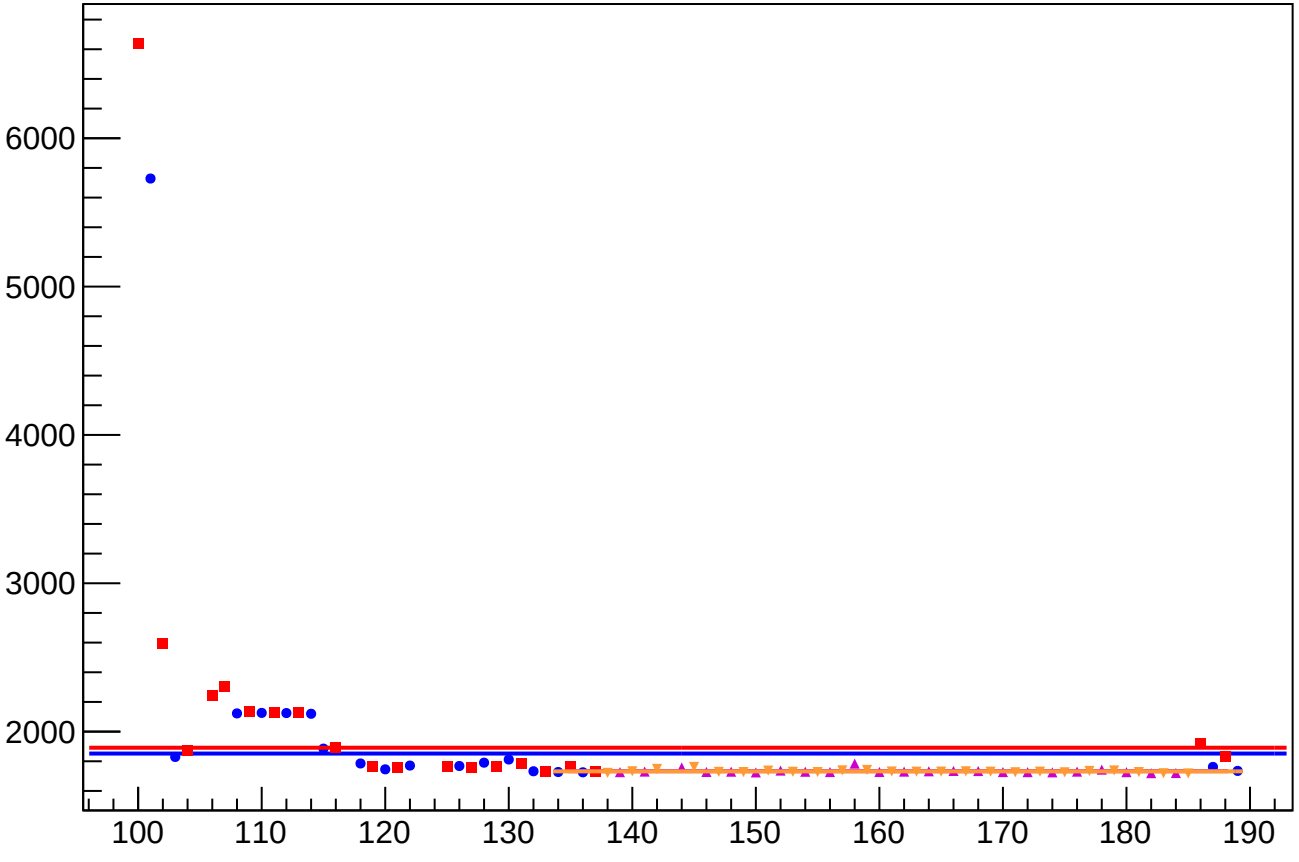
Left In: -52.714+/-404.703 χ^2/NDF:19.4/22

+ sign 104.893+/-344.798 χ^2/NDF: 57.7/41

All: 50.817+/-243.418 χ^2/NDF: 97.2/84

- sign -2.913+/-343.696 χ^2/NDF: 39.5/42

eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1852.019+/-0.474 χ^2/NDF: 679224.8/17

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

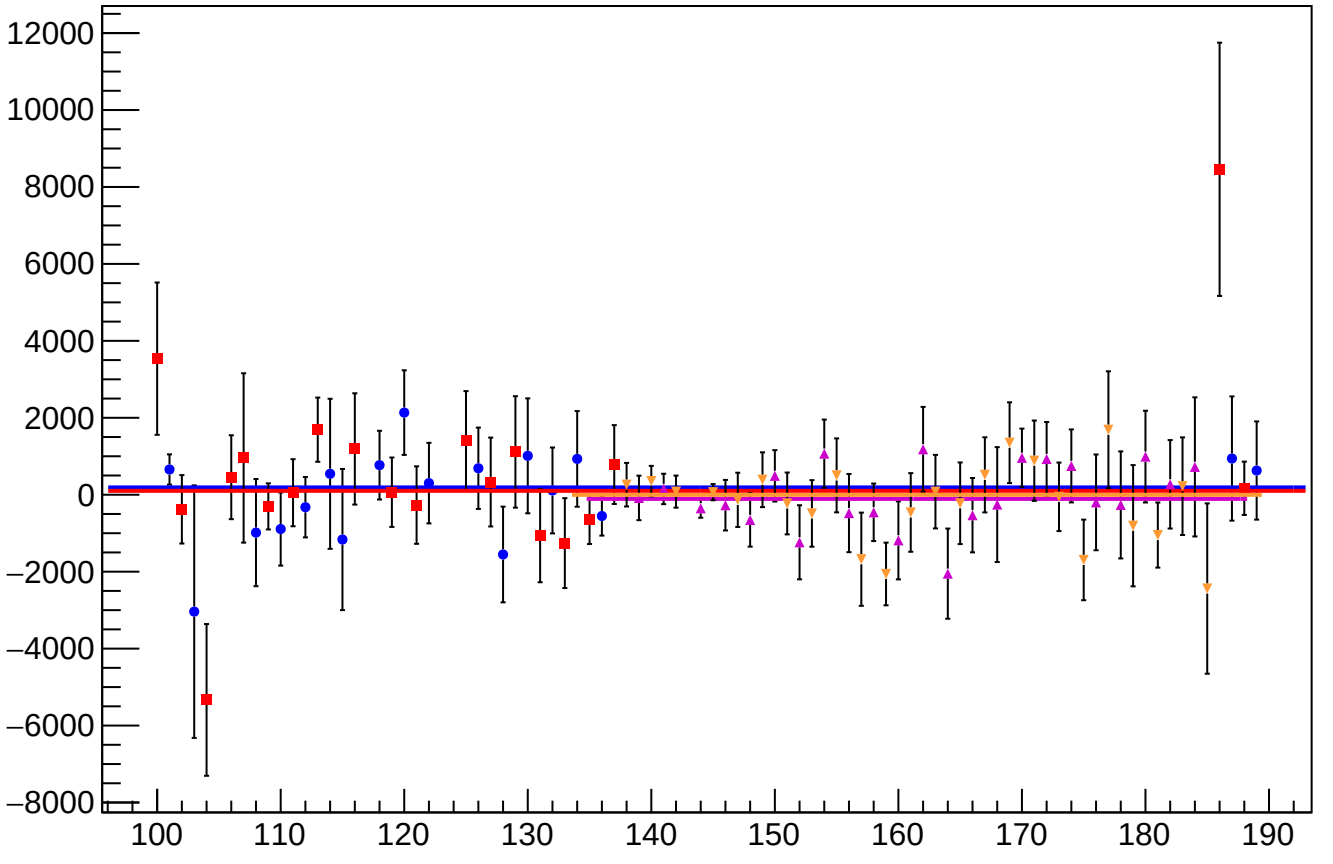
Right Out: 1891.324+/-0.460 χ^2/NDF: 259918.2/19

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1763.702+/-0.244 χ^2/NDF: 727285.2/41

All: 1770.554+/-0.172 χ^2/NDF: 1075997.2/84

- sign 1777.363+/-0.243 χ^2/NDF: 347137.2/42



Right In: 190.141+/-214.897 χ^2/NDF: 14.3/17

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

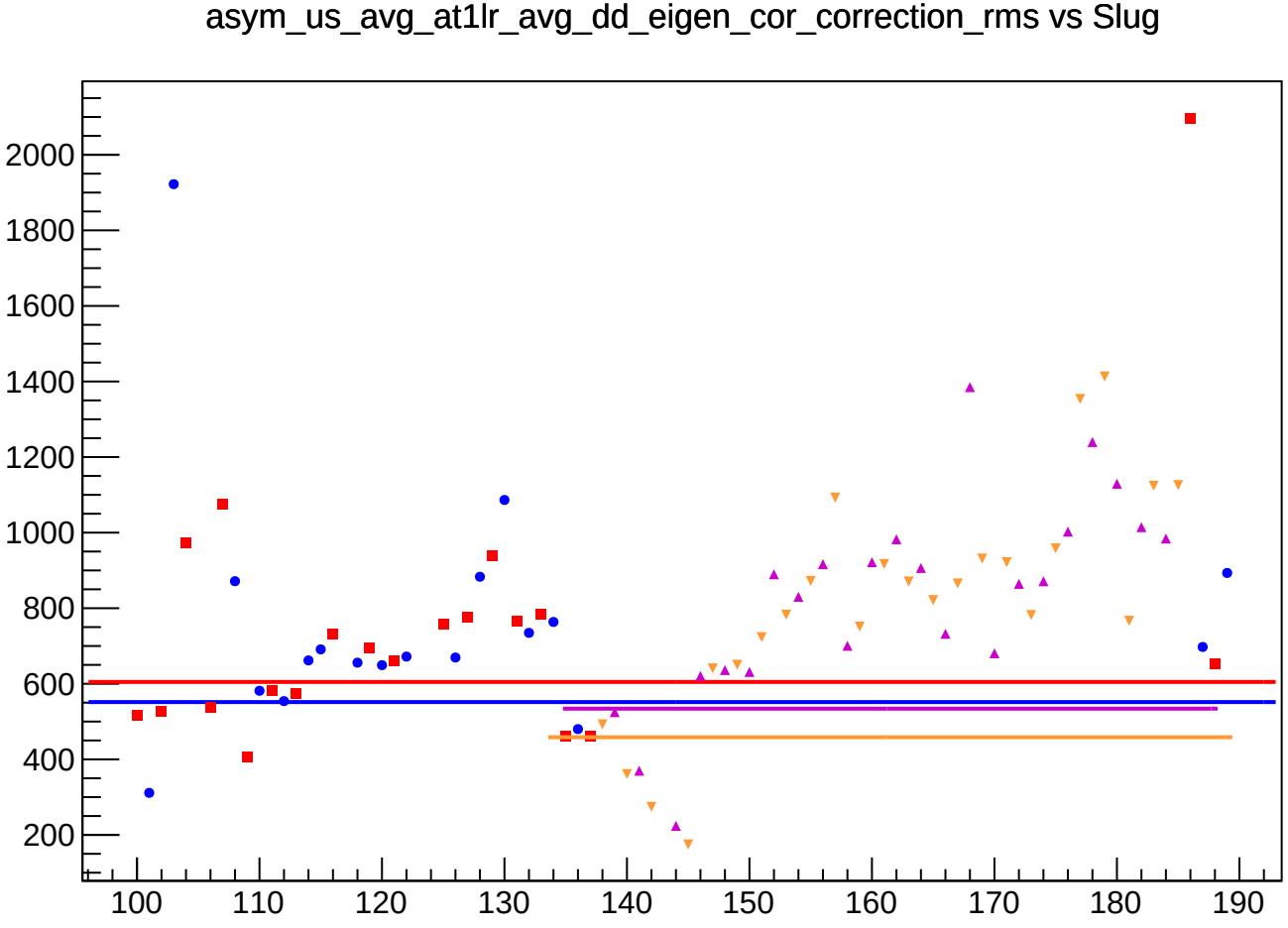
Right Out: 101.204+/-224.728 χ^2/NDF: 27.9/19

Left In: -108.358+/-143.315 χ^2/NDF:17.0/22

+ sign 49.121+/-111.265 χ^2/NDF: 35.1/41

All: 4.663+/-81.850 χ^2/NDF: 81.0/84

- sign -47.771+/-120.835 χ^2/NDF: 45.6/42


asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs Slug
2000
1800
1600
1400
1200
1000
800
600
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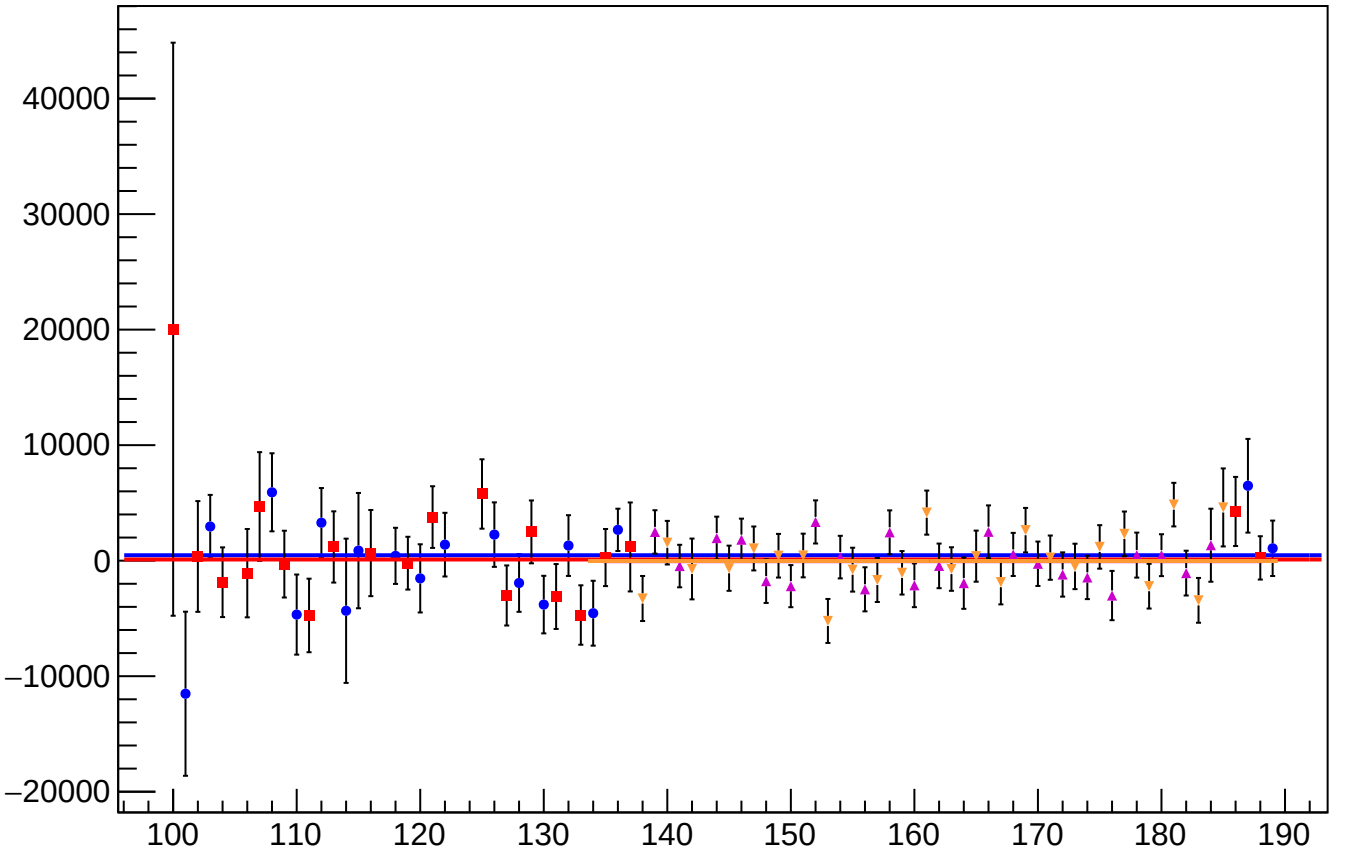
200
100
110
120
130
140
150
160
170
180
190
Right In: 551.568+/-0.152 χ²/NDF: 2025427.2/17
Left Out: 458.589+/-0.092 χ²/NDF:11426319.1/23
Right Out: 604.875+/-0.159 χ²/NDF: 1271546.0/19
Left In: 534.168+/-0.101 χ²/NDF:8442812.5/22
+ sign 483.514+/-0.079 χ²/NDF: 13725780.3/41
All: 516.136+/-0.058 χ²/NDF: 23955573.5/84
- sign 554.611+/-0.085 χ²/NDF: 9855104.7/42



Right In: 468.924+/-678.636 χ^2/NDF: 21.8/17

Left Out: -29.389+/-402.317 χ^2/NDF:35.4/23

Right Out: 101.878+/-660.194 χ^2/NDF: 19.1/19

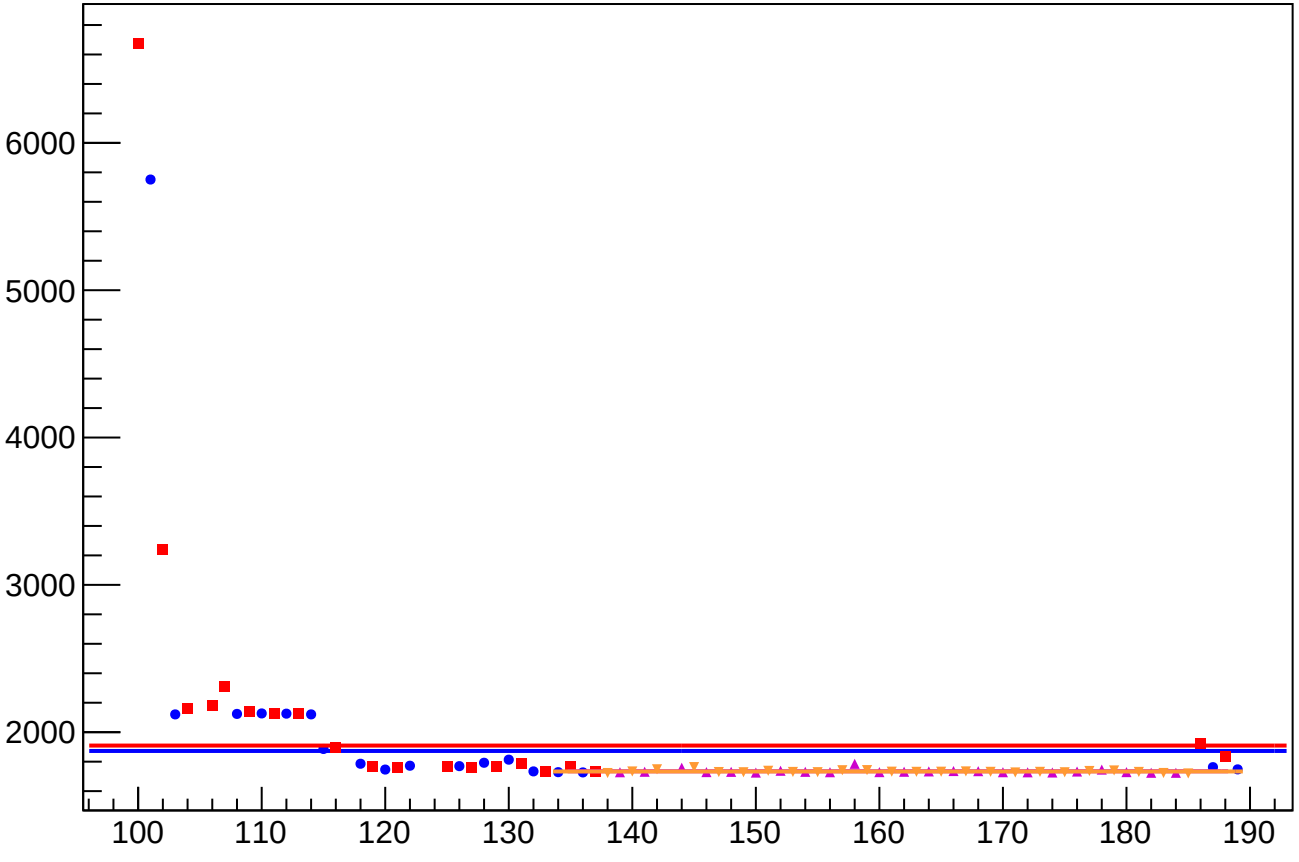
Left In: -42.465+/-405.052 χ^2/NDF:19.9/22

+ sign 100.200+/-346.074 χ^2/NDF: 57.6/41

All: 48.482+/-244.419 χ^2/NDF: 96.7/84

- sign -2.990+/-345.250 χ^2/NDF: 39.0/42

dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1872.646+/-0.480 χ^2/NDF: 697173.2/17

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

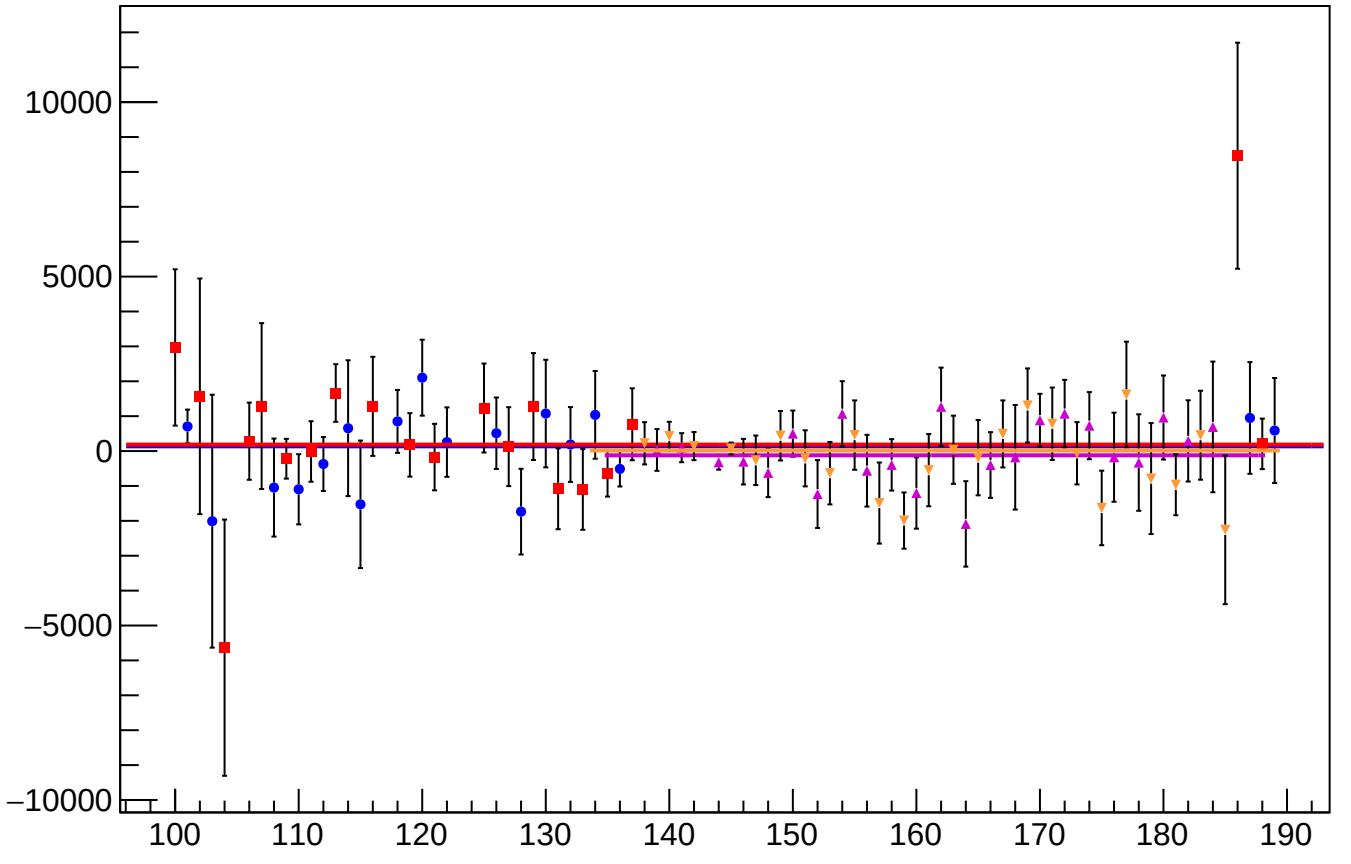
Right Out: 1909.235+/-0.467 χ^2/NDF: 355954.8/19

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1769.670+/-0.245 χ^2/NDF: 760309.6/41

All: 1776.106+/-0.173 χ^2/NDF: 1221247.3/84

- sign 1782.512+/-0.244 χ^2/NDF: 459557.4/42



Right In: 135.884+/-226.706 χ^2/NDF: 14.5/17

Left Out: 18.027+/-119.333 χ^2/NDF:19.4/23

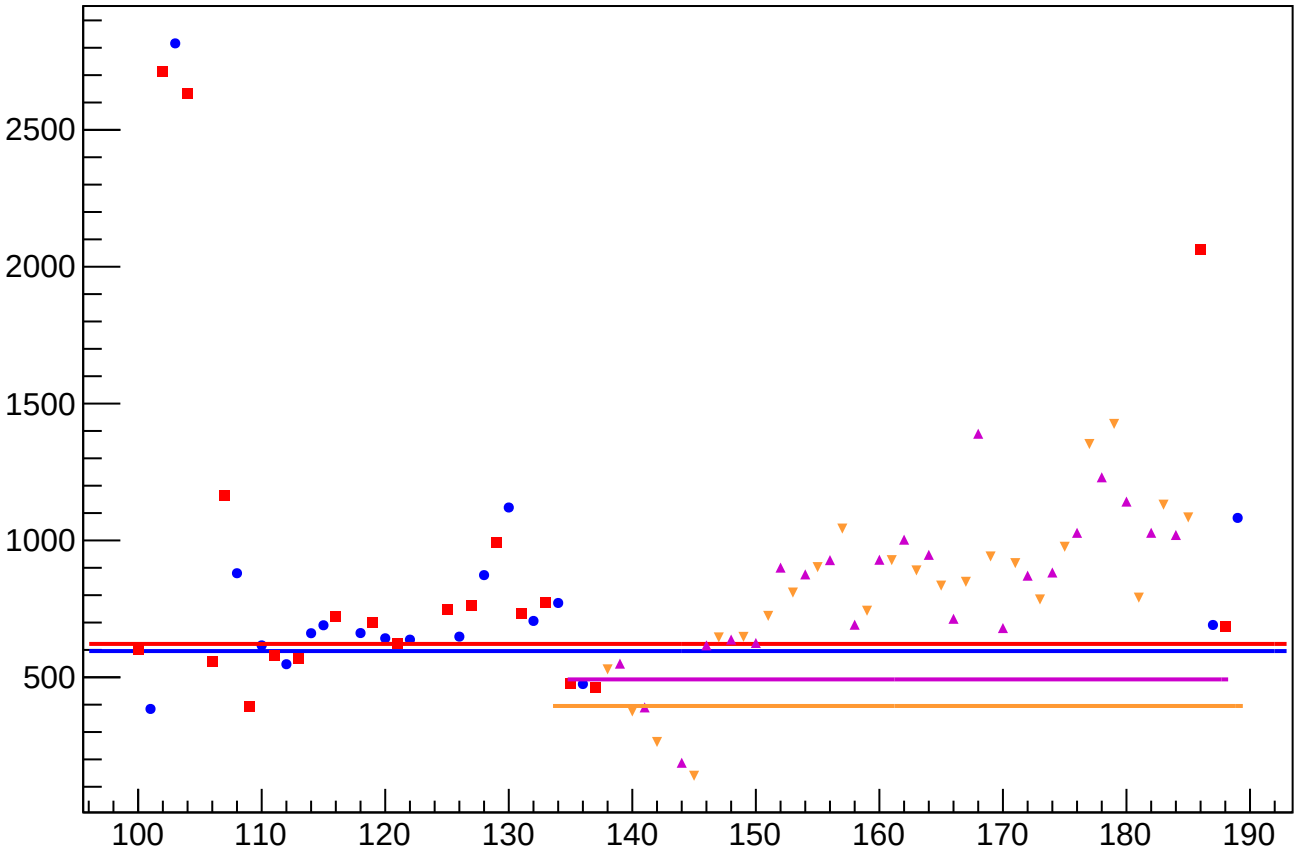
Right Out: 185.432+/-232.252 χ^2/NDF: 20.9/19

Left In: -121.705+/-137.150 χ^2/NDF:16.5/22

+ sign 43.597+/-105.597 χ^2/NDF: 34.2/41

All: 5.436+/-78.718 χ^2/NDF: 73.2/84

- sign -42.294+/-118.096 χ^2/NDF: 38.7/42



Right In: 595.797+/-0.160 χ^2/NDF: 1977179.0/17

Left Out: 395.188+/-0.084 χ^2/NDF:14334419.9/23

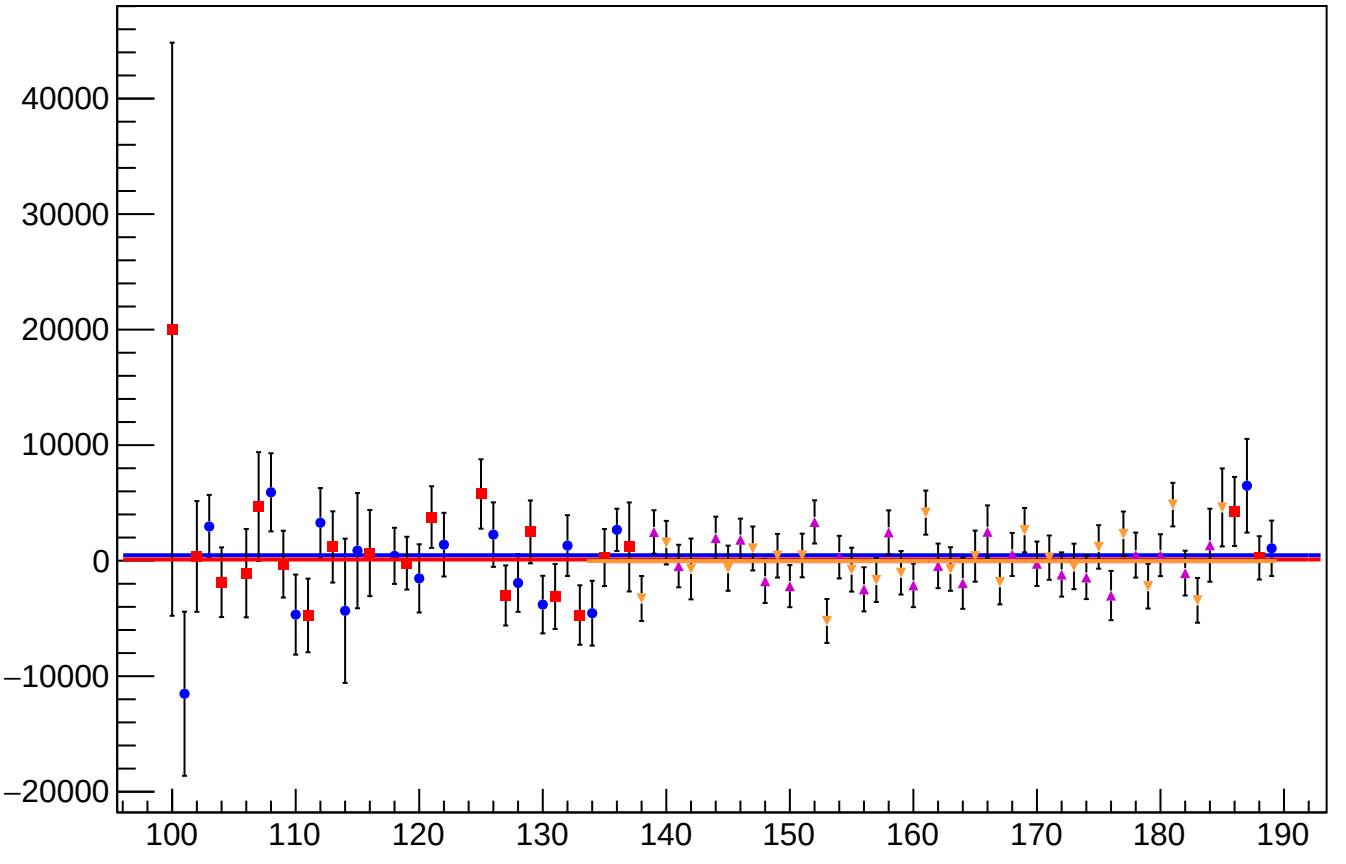
Right Out: 621.912+/-0.164 χ^2/NDF: 2617593.8/19

Left In: 492.294+/-0.097 χ^2/NDF:10419498.8/22

+ sign 438.712+/-0.075 χ^2/NDF: 17537869.9/41

All: 477.409+/-0.056 χ^2/NDF: 31641317.2/84

- sign 525.807+/-0.084 χ^2/NDF: 13498958.6/42



Right In: 468.924+/-678.636 χ^2/NDF: 21.8/17

Left Out: -29.392+/-402.317 χ^2/NDF:35.4/23

Right Out: 101.877+/-660.194 χ^2/NDF: 19.1/19

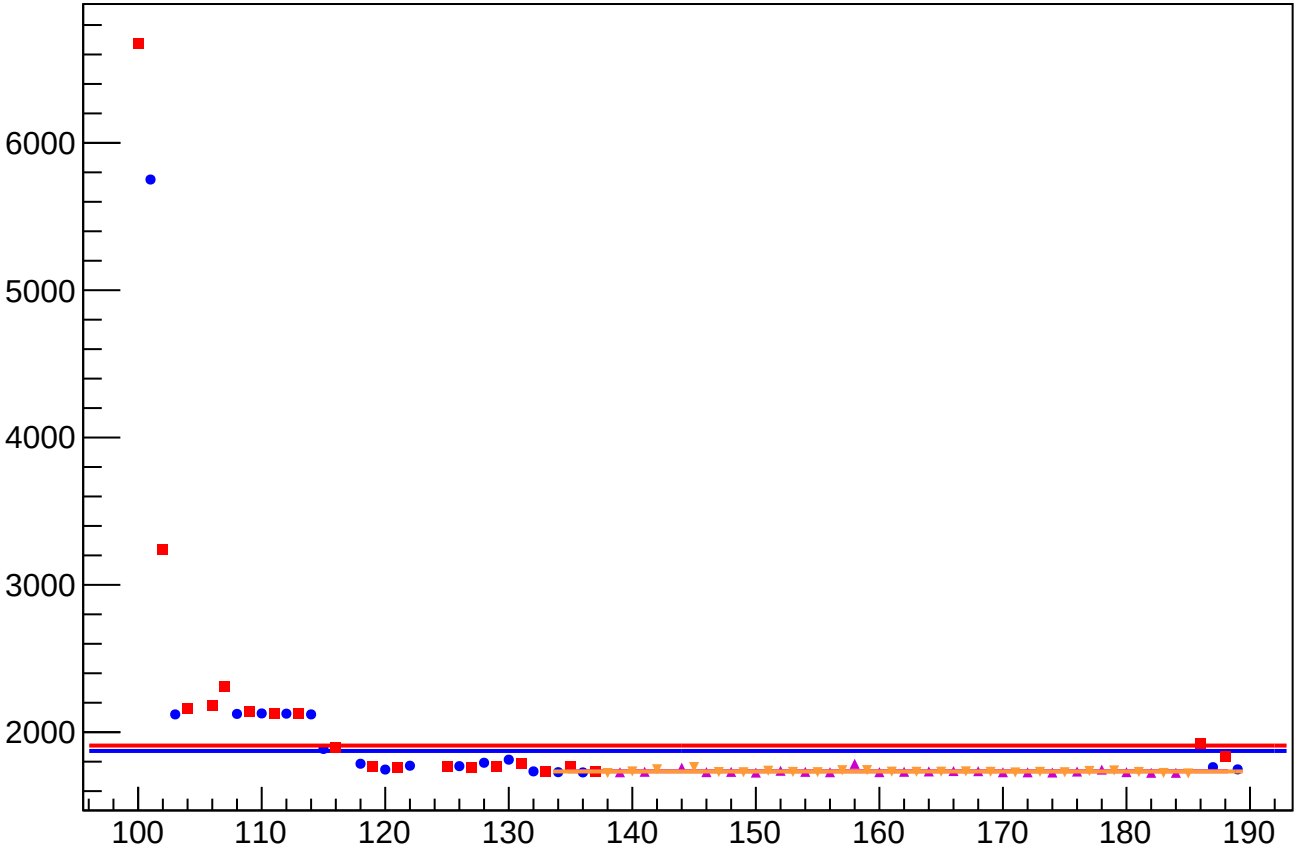
Left In: -42.465+/-405.052 χ^2/NDF:19.9/22

+ sign 100.197+/-346.074 χ^2/NDF: 57.6/41

All: 48.481+/-244.419 χ^2/NDF: 96.7/84

- sign -2.990+/-345.250 χ^2/NDF: 39.0/42

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1872.646+/-0.480 χ^2/NDF: 697172.9/17

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

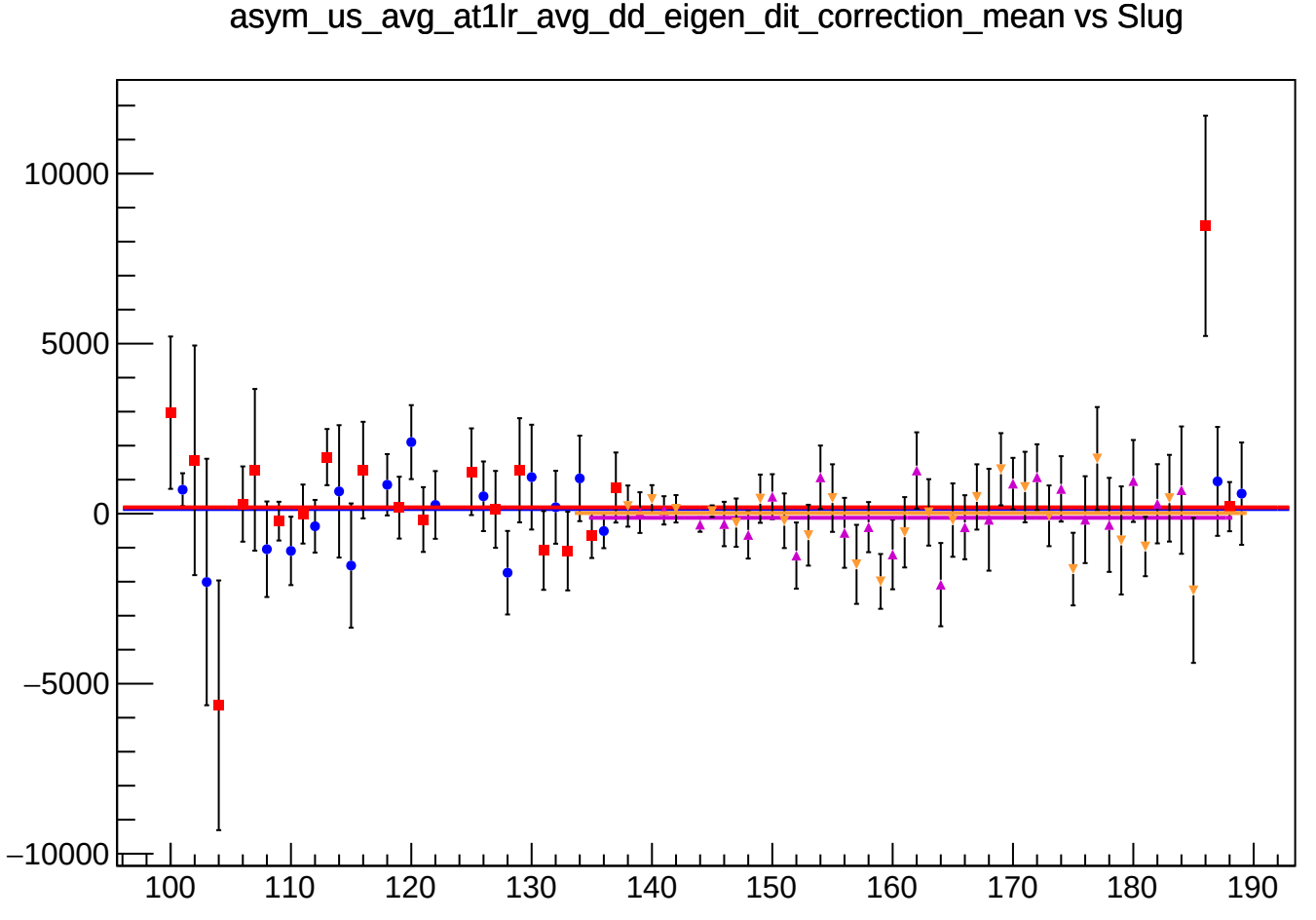
Right Out: 1909.235+/-0.467 χ^2/NDF: 355954.1/19

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1769.670+/-0.245 χ^2/NDF: 760309.2/41

All: 1776.106+/-0.173 χ^2/NDF: 1221246.0/84

- sign 1782.512+/-0.244 χ^2/NDF: 459556.5/42



Right In: 135.880+/-226.705 χ^2/NDF: 14.5/17

Left Out: 18.026+/-119.333 χ^2/NDF:19.4/23

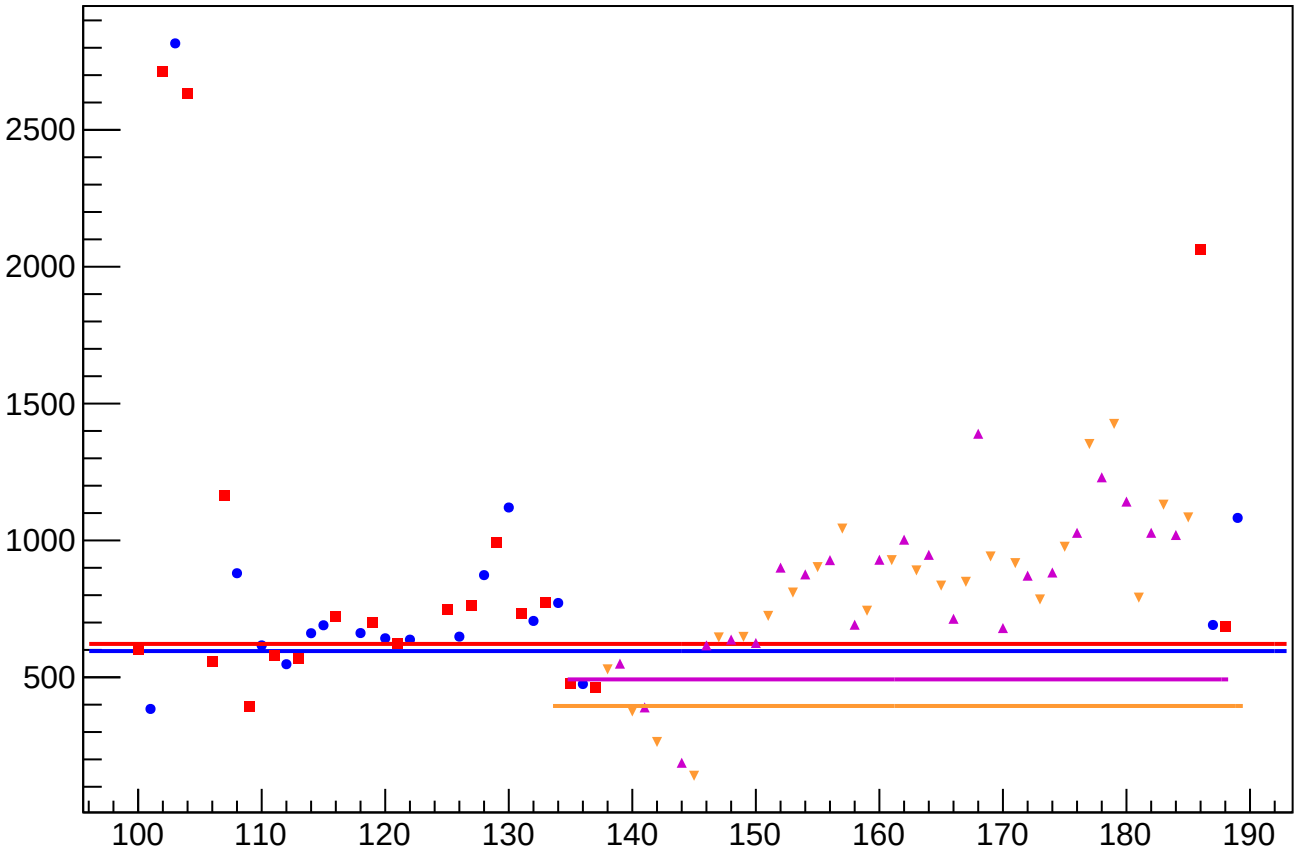
Right Out: 185.430+/-232.251 χ^2/NDF: 20.9/19

Left In: -121.706+/-137.150 χ^2/NDF:16.5/22

+ sign 43.595+/-105.597 χ^2/NDF: 34.2/41

All: 5.435+/-78.718 χ^2/NDF: 73.2/84

- sign -42.294+/-118.096 χ^2/NDF: 38.7/42



Right In: 595.795+/-0.160 χ^2/NDF: 1977168.8/17

Left Out: 395.188+/-0.084 χ^2/NDF:14334464.6/23

Right Out: 621.908+/-0.164 χ^2/NDF: 2617610.4/19

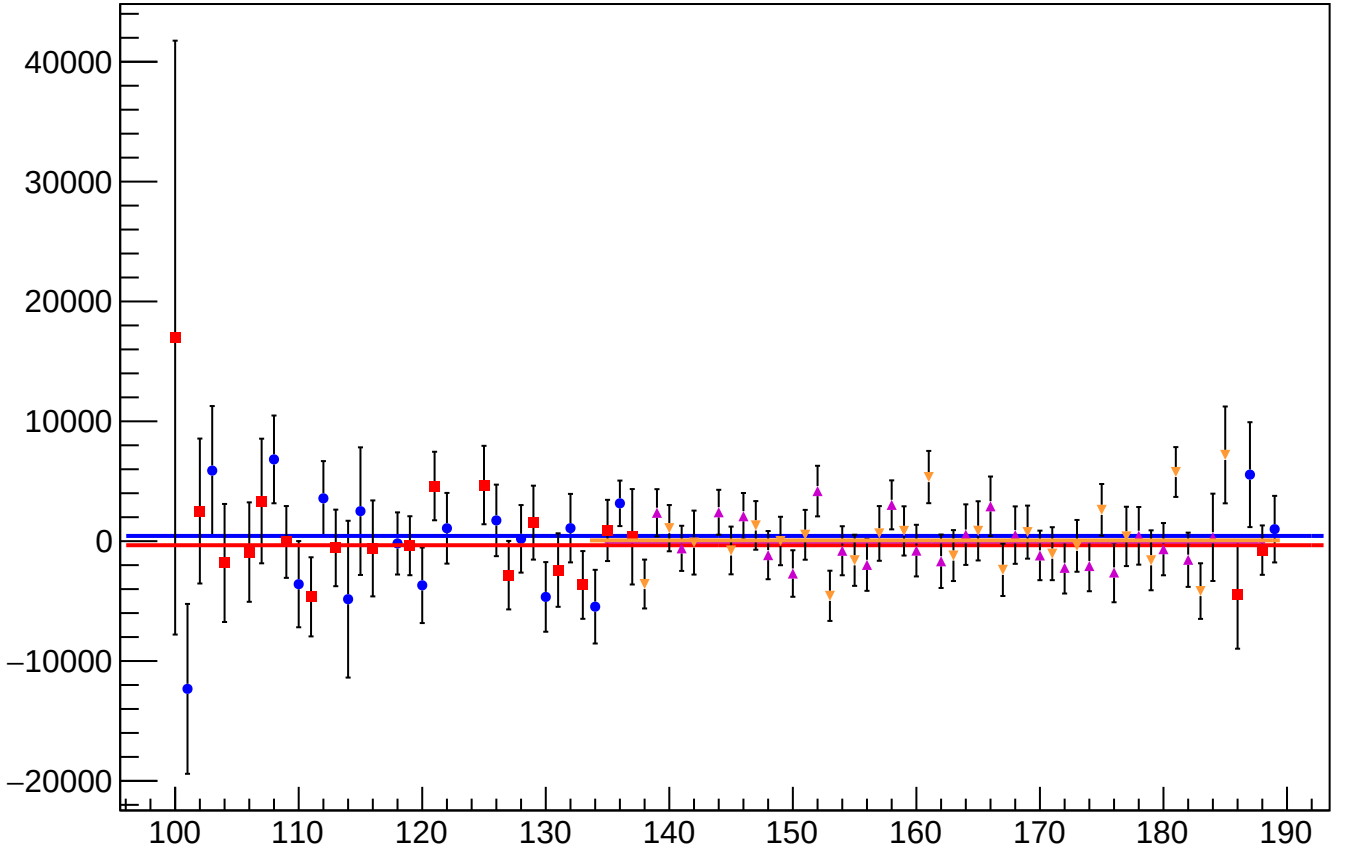
Left In: 492.295+/-0.097 χ^2/NDF:10419523.2/22

+ sign 438.712+/-0.075 χ^2/NDF: 17537887.7/41

All: 477.408+/-0.056 χ^2/NDF: 31641346.4/84

- sign 525.807+/-0.084 χ^2/NDF: 13498970.7/42

asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 437.769+/-750.086 χ^2/NDF: 22.7/17

Left Out: 66.661+/-449.750 χ^2/NDF:33.6/23

Right Out: -338.103+/-731.196 χ^2/NDF: 12.5/19

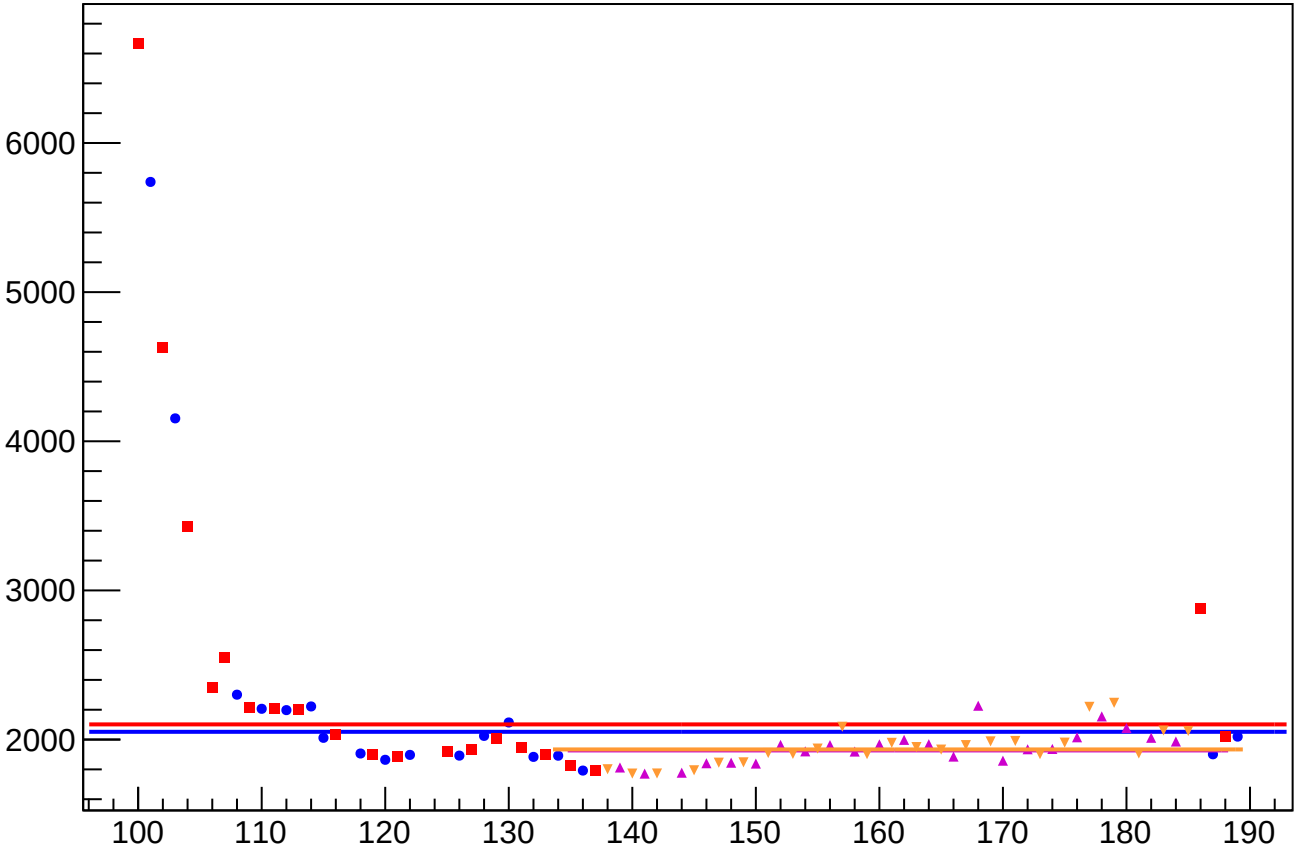
Left In: -25.575+/-450.755 χ^2/NDF:20.0/22

\+ sign 164.799+/-385.726 χ^2/NDF: 56.4/41

All: 25.854+/-272.032 χ^2/NDF: 89.3/84

\- sign -111.638+/-383.704 χ^2/NDF: 32.6/42

asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 2051.943+/-0.530 χ^2/NDF: 942695.9/17

Left Out: 1933.804+/-0.318 χ^2/NDF:128531.8/23

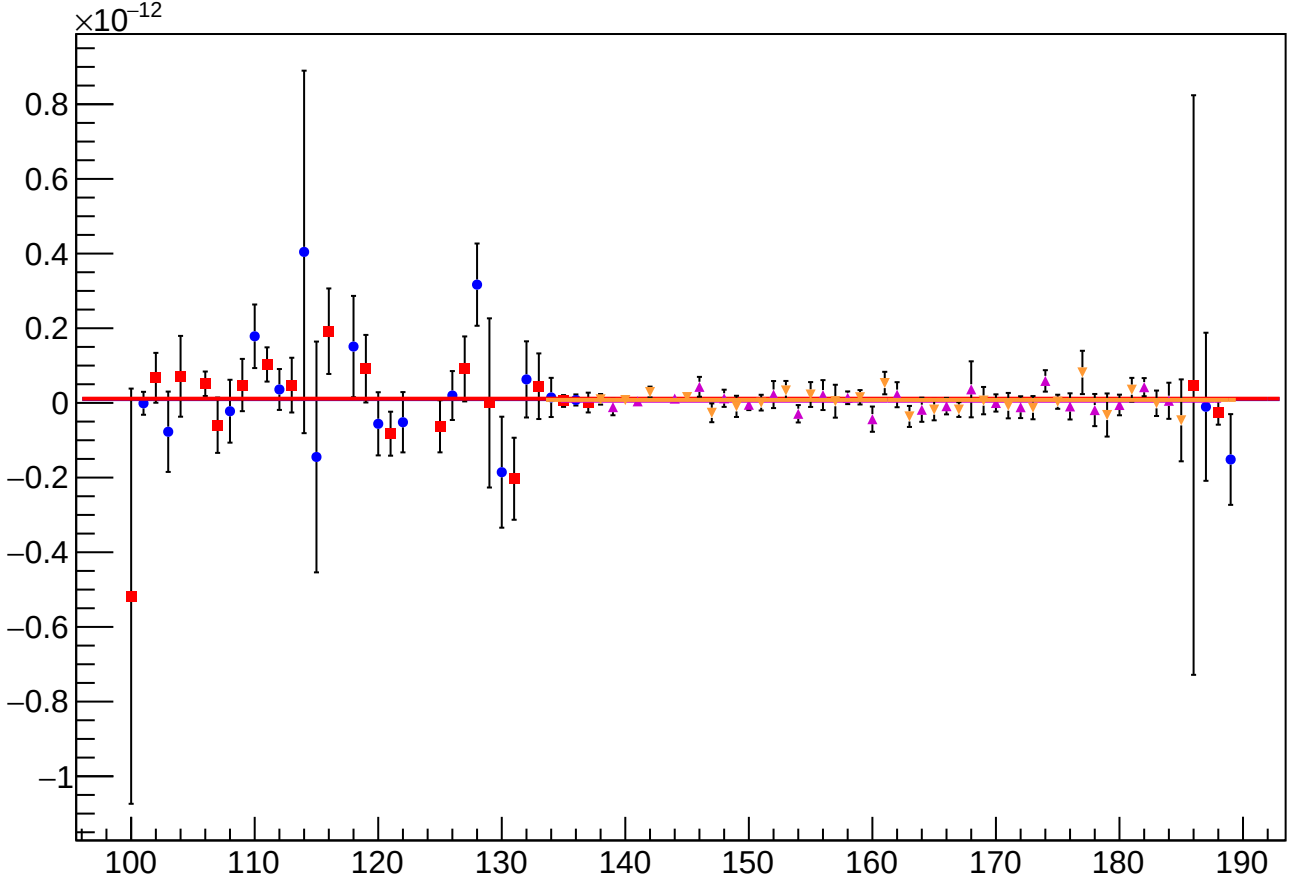
Right Out: 2101.685+/-0.517 χ^2/NDF: 745336.7/19

Left In: 1927.125+/-0.319 χ^2/NDF:116436.1/22

+ sign 1965.046+/-0.273 χ^2/NDF: 1107720.7/41

All: 1970.147+/-0.192 χ^2/NDF: 2052787.0/84

- sign 1975.195+/-0.271 χ^2/NDF: 944370.4/42



Right In: 0.000+/-0.000 χ^2/NDF: 19.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:17.3/23

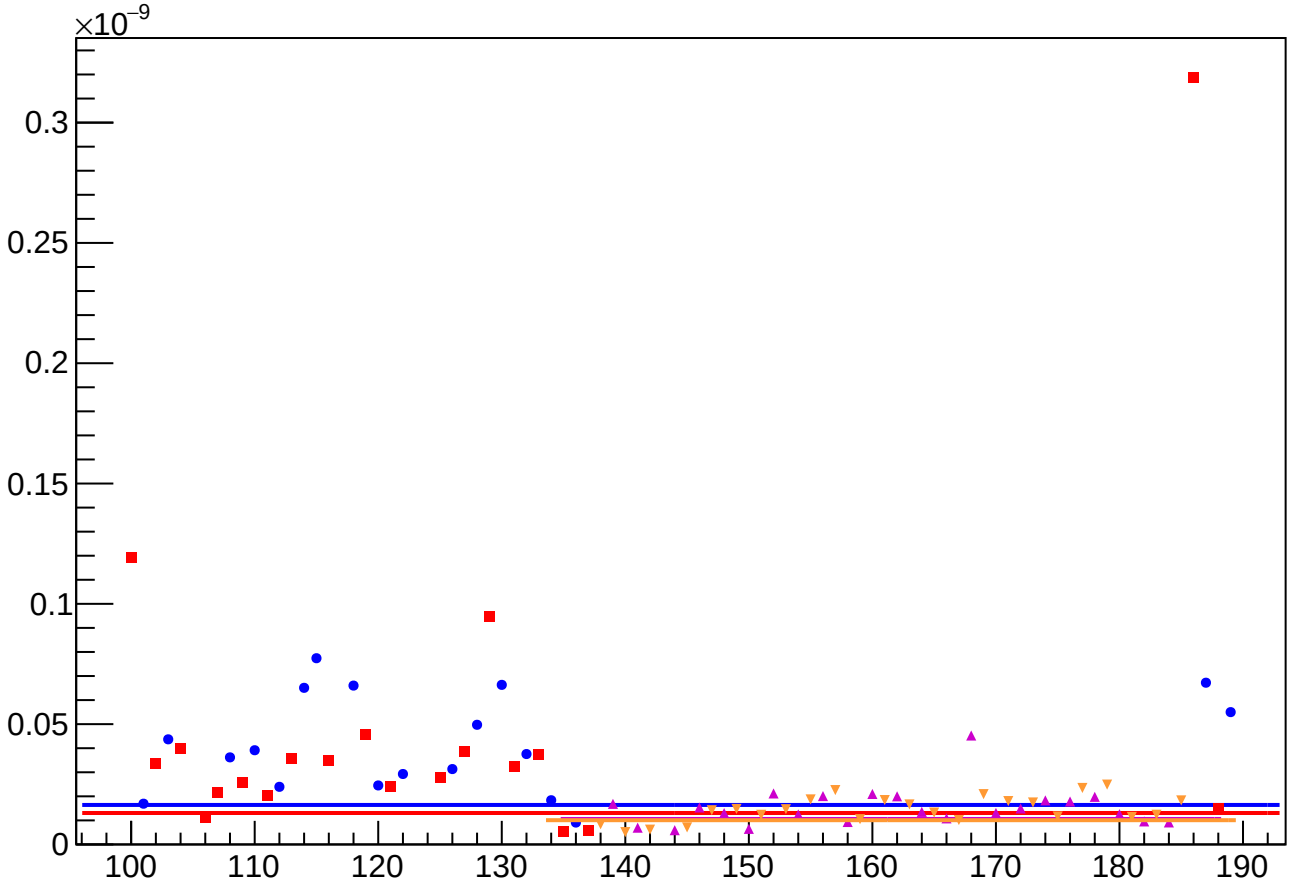
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/19

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 37.2/41

All: 0.000+/-0.000 χ^2/NDF: 76.5/84

- sign 0.000+/-0.000 χ^2/NDF: 39.2/42



Right In: 0.000+/-0.000 χ^2/NDF: 2272480.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:2274817.9/23

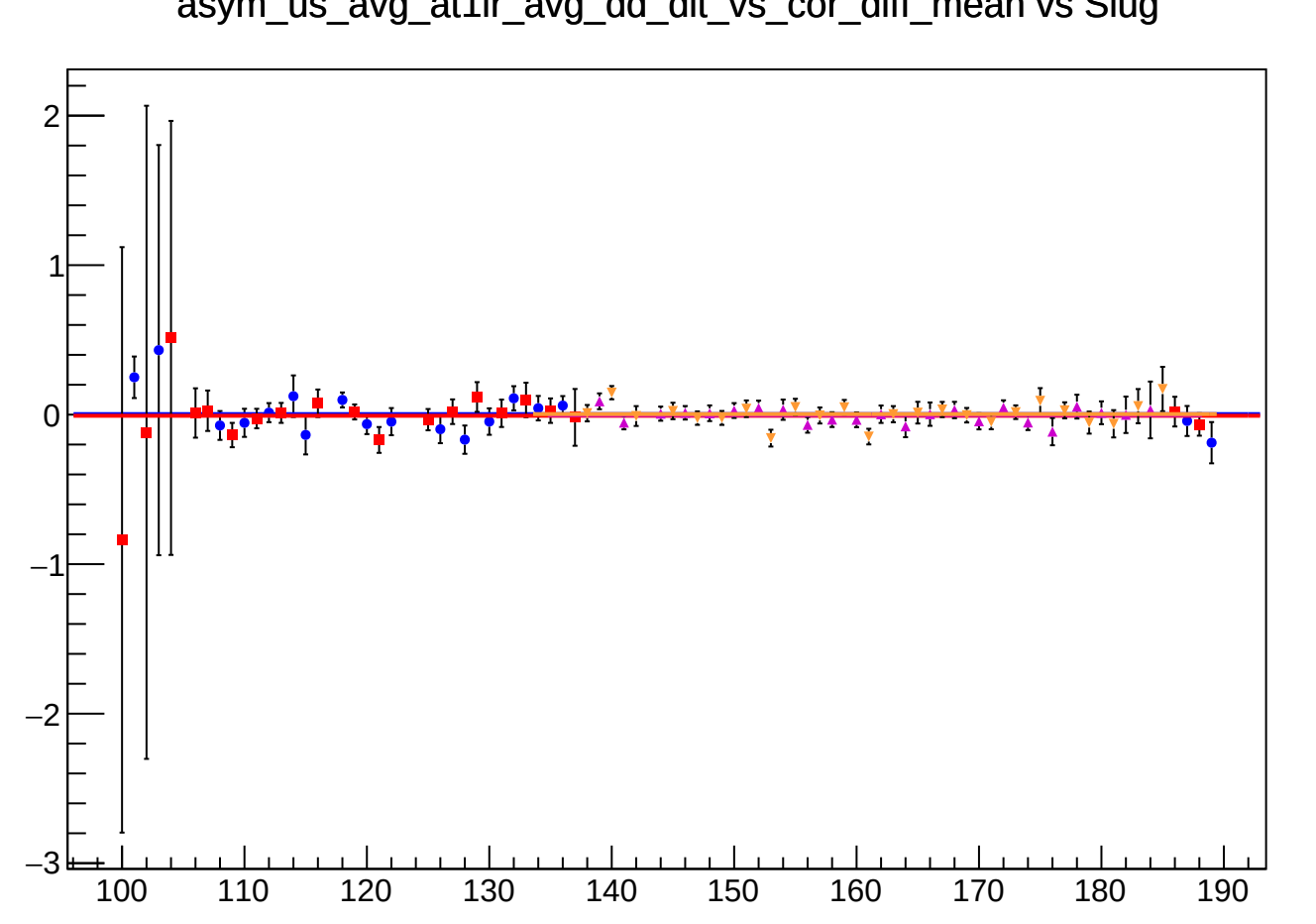
Right Out: 0.000+/-0.000 χ^2/NDF: 2804671.0/19

Left In: 0.000+/-0.000 χ^2/NDF:2578668.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 5077006.6/41

All: 0.000+/-0.000 χ^2/NDF: 10561875.1/84

- sign 0.000+/-0.000 χ^2/NDF: 5484089.8/42



Right In: 0.004+/-0.020 χ^2/NDF: 20.7/17

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: -0.007+/-0.020 χ^2/NDF: 11.2/19

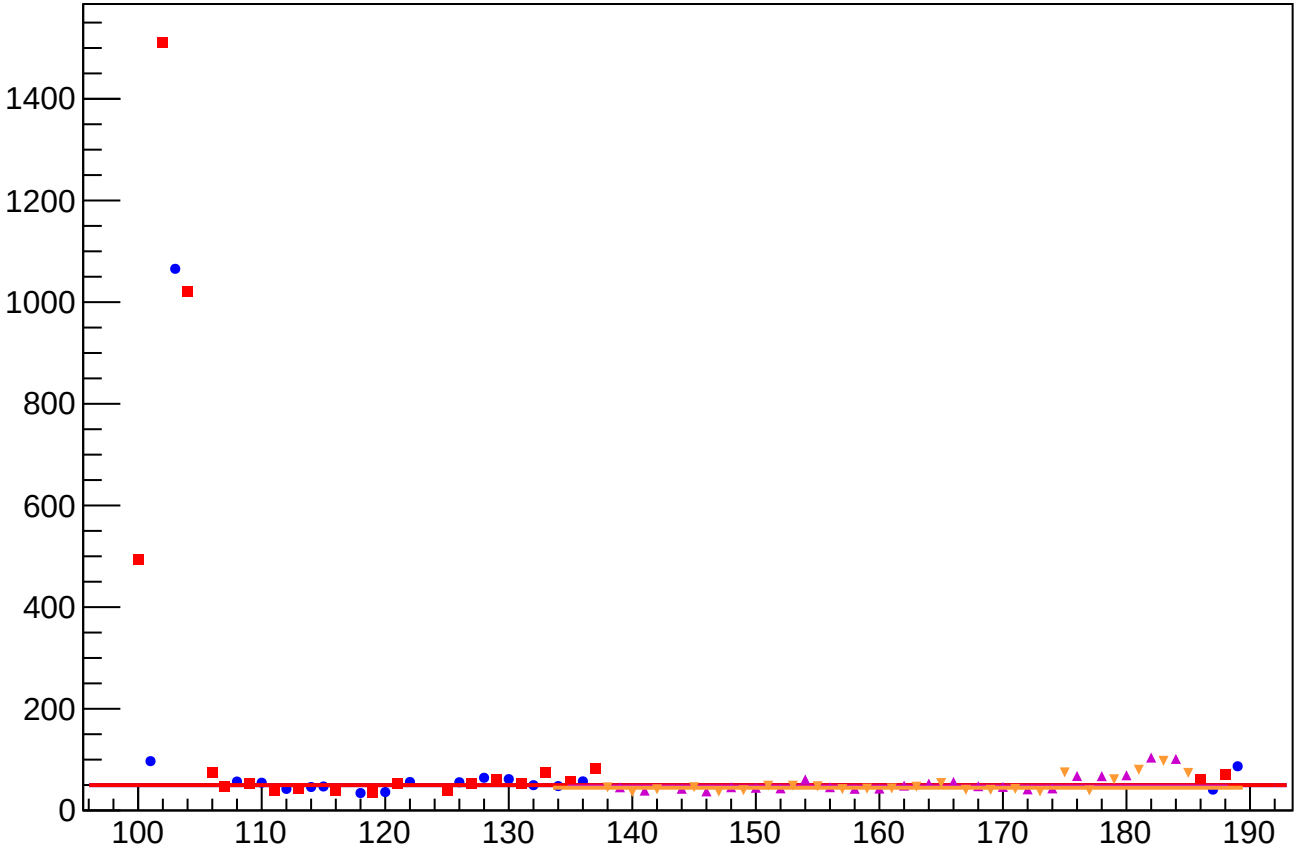
Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.004+/-0.010 χ^2/NDF: 55.7/41

All: -0.000+/-0.007 χ^2/NDF: 81.7/84

- sign -0.004+/-0.010 χ^2/NDF: 25.7/42

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 49.804+/-0.014 χ^2/NDF: 1938043.1/17

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

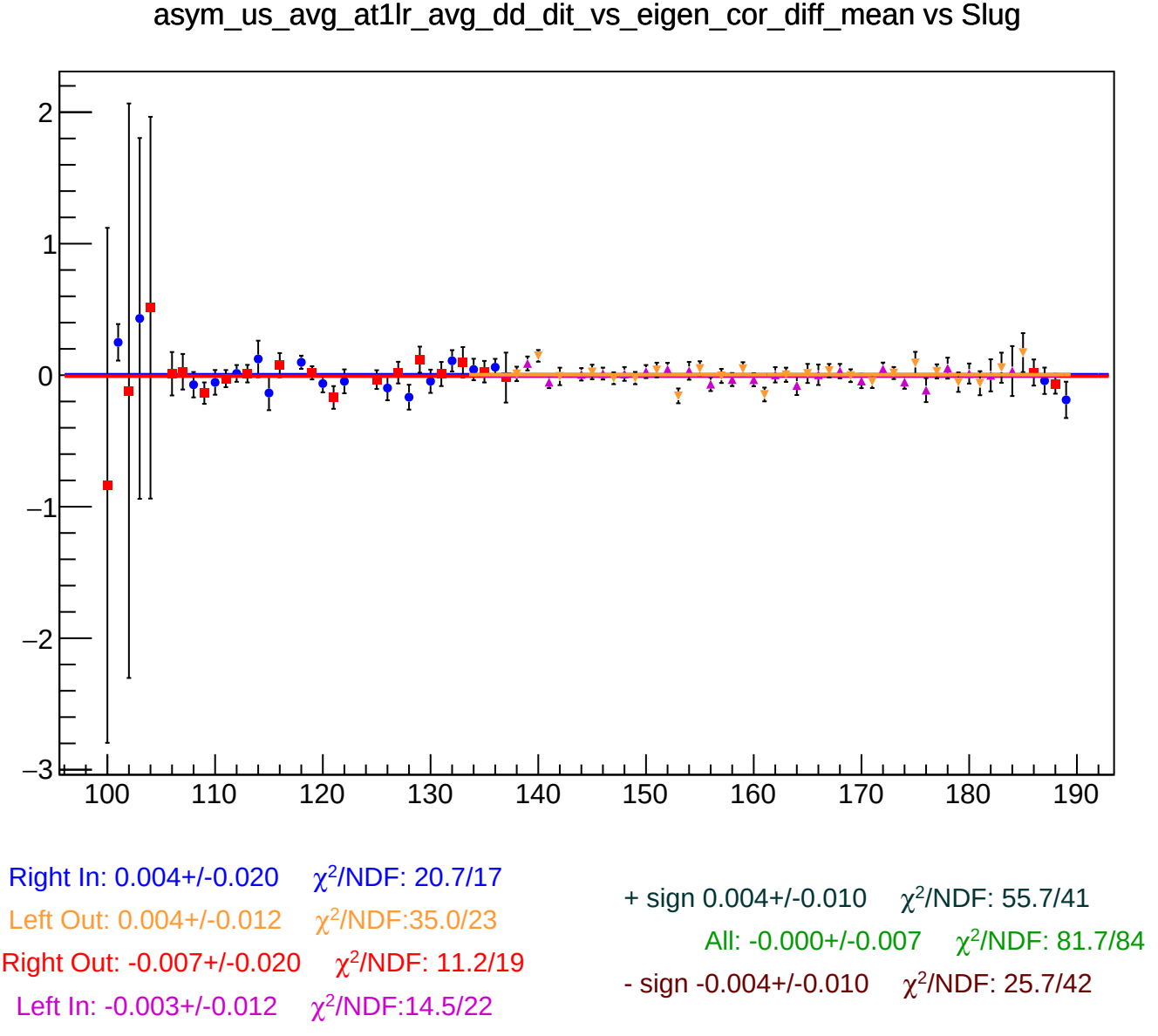
Right Out: 49.854+/-0.014 χ^2/NDF: 2624725.2/19

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

+ sign 45.967+/-0.007 χ^2/NDF: 3513983.8/41

All: 46.840+/-0.005 χ^2/NDF: 7581909.5/84

- sign 47.762+/-0.007 χ^2/NDF: 4036629.3/42


asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug
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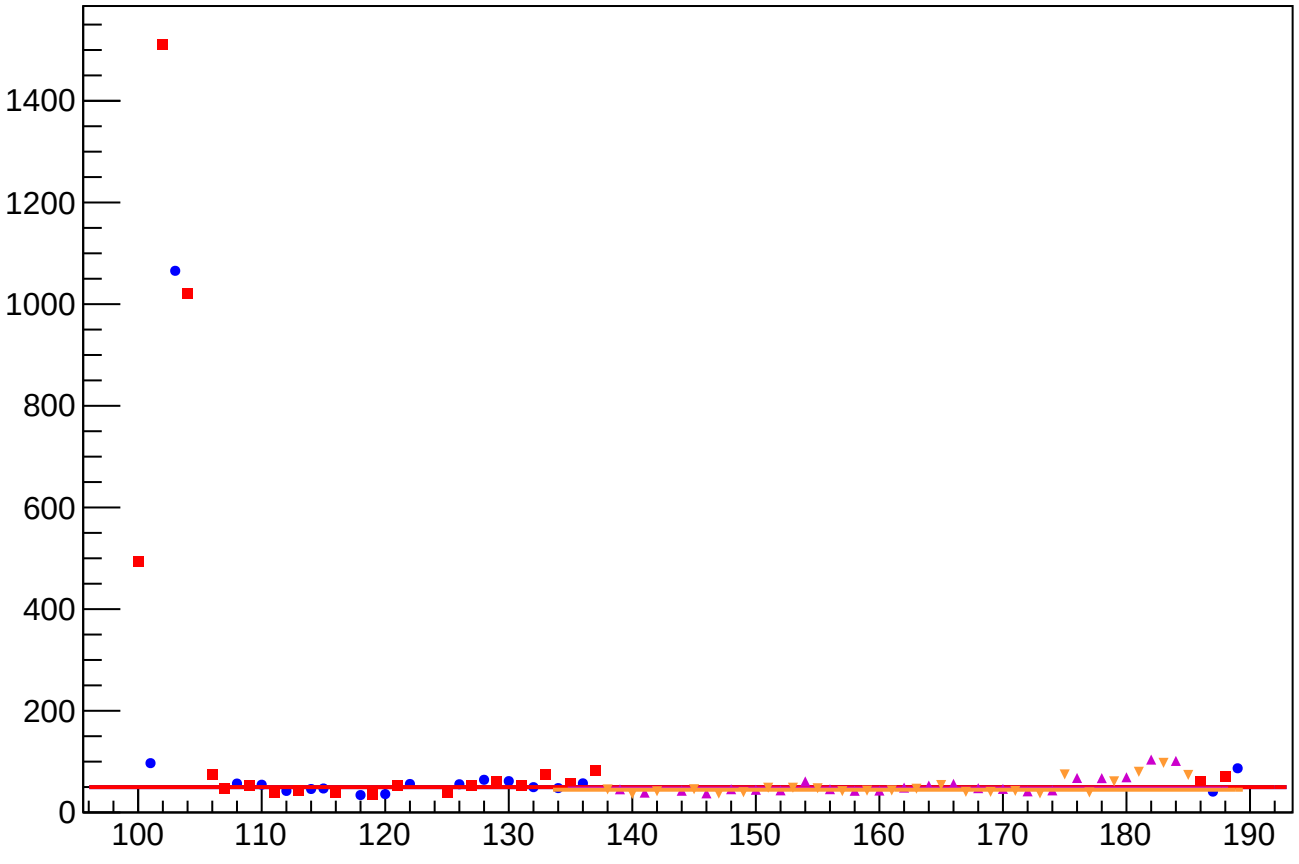
Right In: 0.004+/-0.020 χ²/NDF: 20.7/17
Left Out: 0.004+/-0.012 χ²/NDF:35.0/23
Right Out: -0.007+/-0.020 χ²/NDF: 11.2/19
Left In: -0.003+/-0.012 χ²/NDF:14.5/22
+ sign 0.004+/-0.010 χ²/NDF: 55.7/41
All: -0.000+/-0.007 χ²/NDF: 81.7/84
- sign -0.004+/-0.010 χ²/NDF: 25.7/42



Right In: 49.804+/-0.014 χ^2/NDF: 1938043.1/17

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

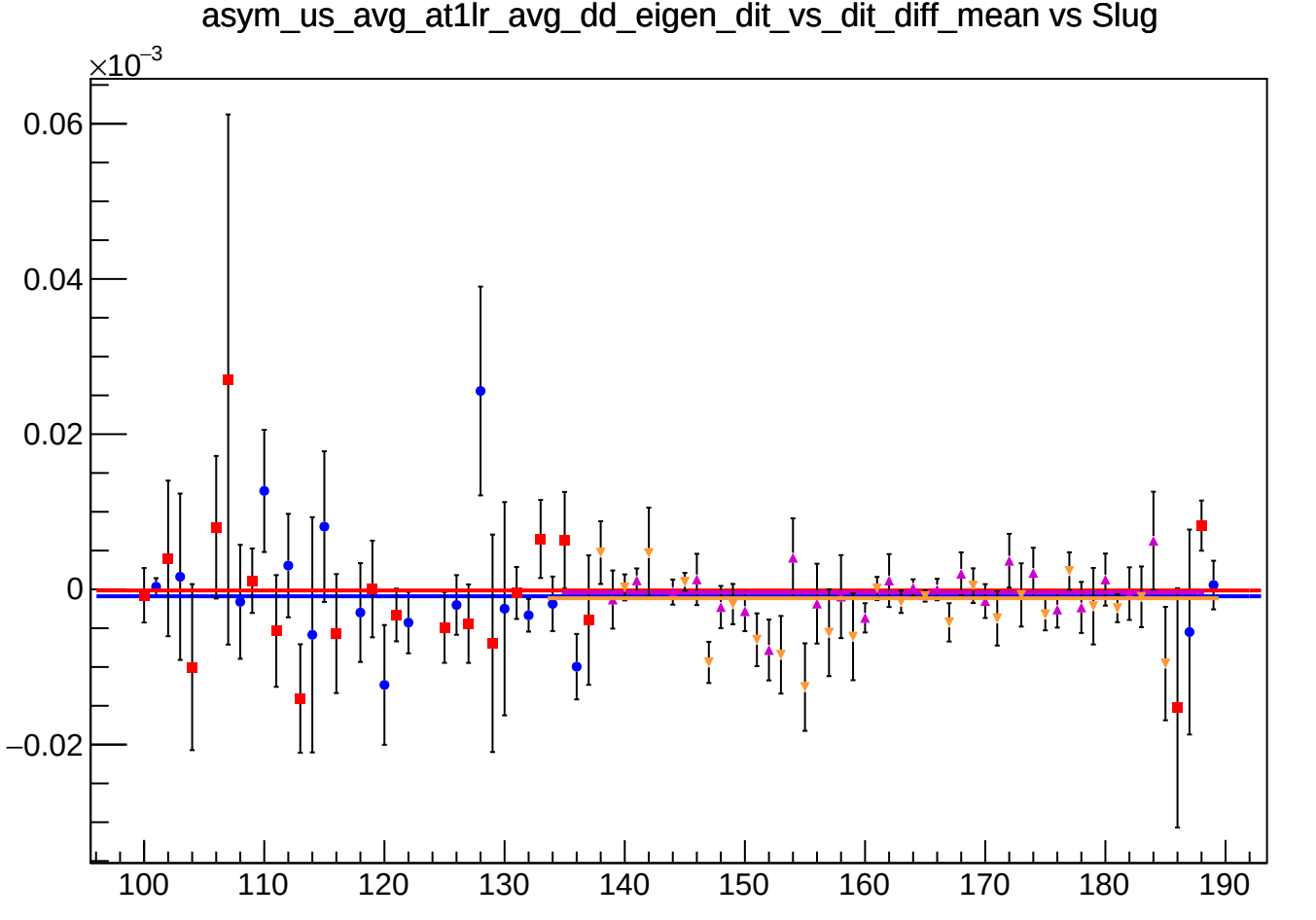
Right Out: 49.854+/-0.014 χ^2/NDF: 2624725.2/19

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

+ sign 45.967+/-0.007 χ^2/NDF: 3513983.8/41

All: 46.840+/-0.005 χ^2/NDF: 7581909.5/84

- sign 47.762+/-0.007 χ^2/NDF: 4036629.3/42



Right In: -0.000+/-0.000 χ^2/NDF: 19.0/17

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

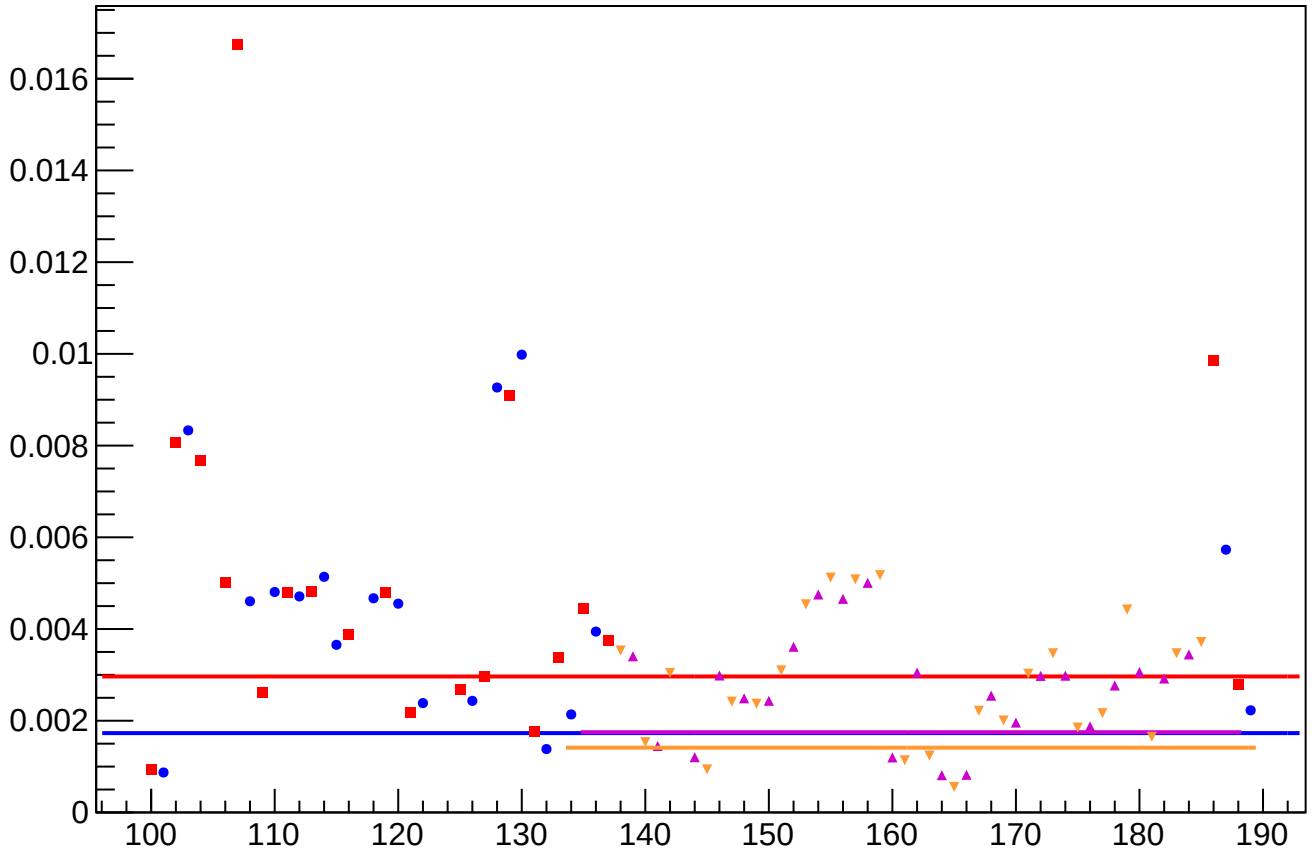
Right Out: -0.000+/-0.000 χ^2/NDF: 21.2/19

Left In: -0.000+/-0.000 χ^2/NDF:16.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.8/41

All: -0.000+/-0.000 χ^2/NDF: 94.0/84

- sign -0.000+/-0.000 χ^2/NDF: 37.6/42



Right In: 0.002+/-0.000 χ^2/NDF: 6201505.7/17

Left Out: 0.001+/-0.000 χ^2/NDF:11586658.8/23

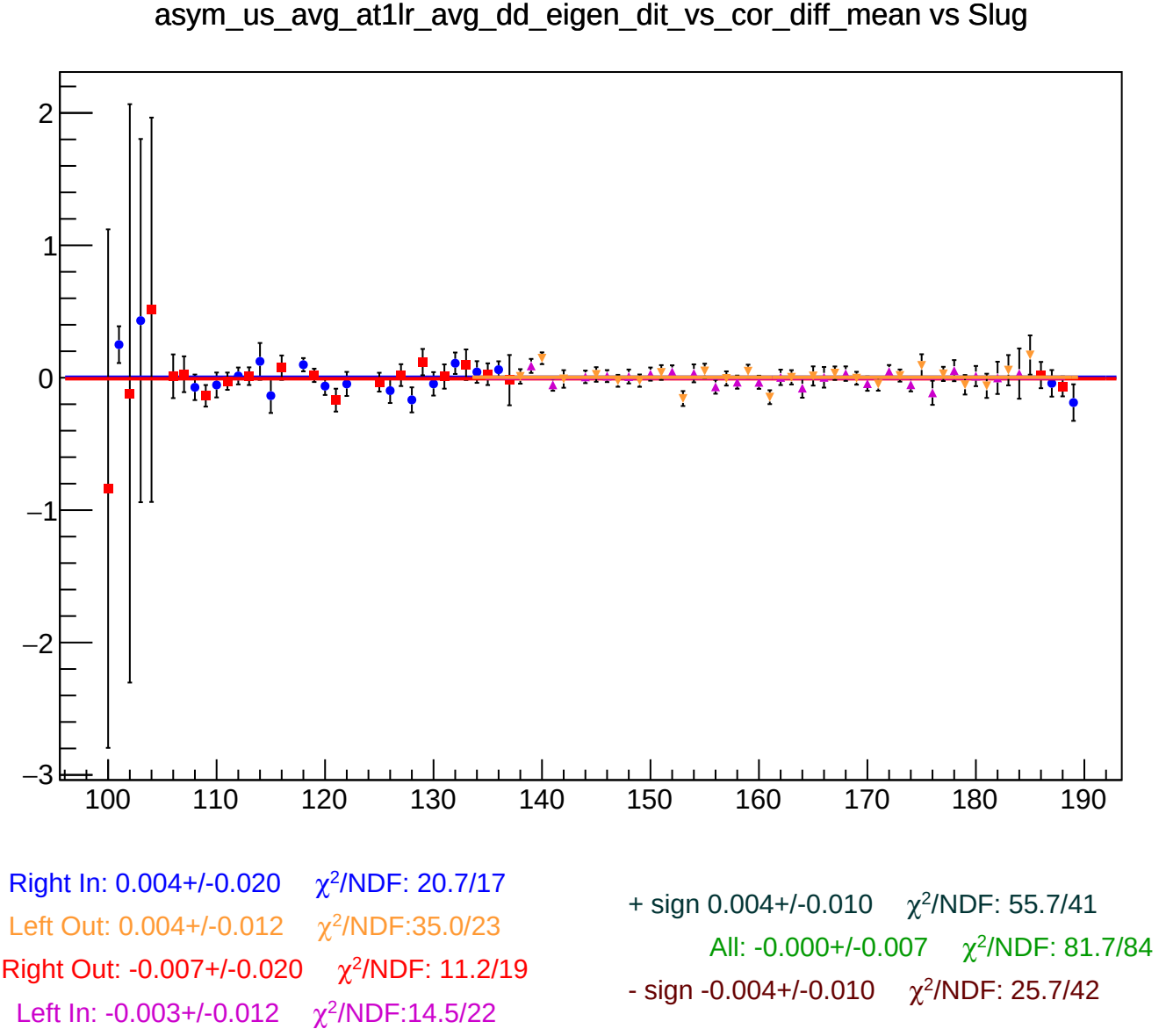
Right Out: 0.003+/-0.000 χ^2/NDF: 3785231.8/19

Left In: 0.002+/-0.000 χ^2/NDF:8238945.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 18037880.3/41

All: 0.002+/-0.000 χ^2/NDF: 33011248.4/84

- sign 0.002+/-0.000 χ^2/NDF: 13797136.5/42


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug
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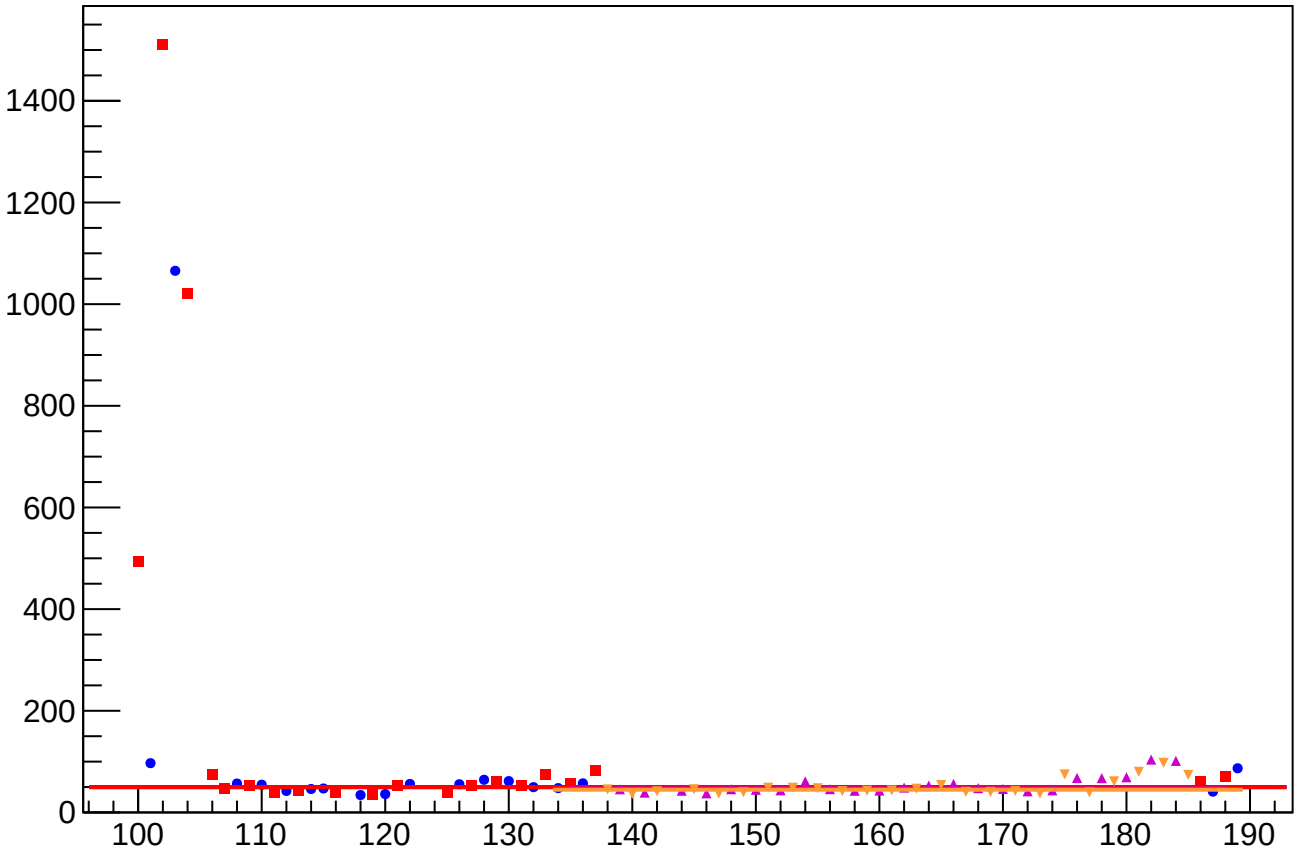
Right In: 0.004+/-0.020 χ²/NDF: 20.7/17
Left Out: 0.004+/-0.012 χ²/NDF:35.0/23
Right Out: -0.007+/-0.020 χ²/NDF: 11.2/19
Left In: -0.003+/-0.012 χ²/NDF:14.5/22
+ sign 0.004+/-0.010 χ²/NDF: 55.7/41
All: -0.000+/-0.007 χ²/NDF: 81.7/84
- sign -0.004+/-0.010 χ²/NDF: 25.7/42



Right In: 49.804+/-0.014 χ^2/NDF: 1937964.4/17

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 49.853+/-0.014 χ^2/NDF: 2624760.8/19

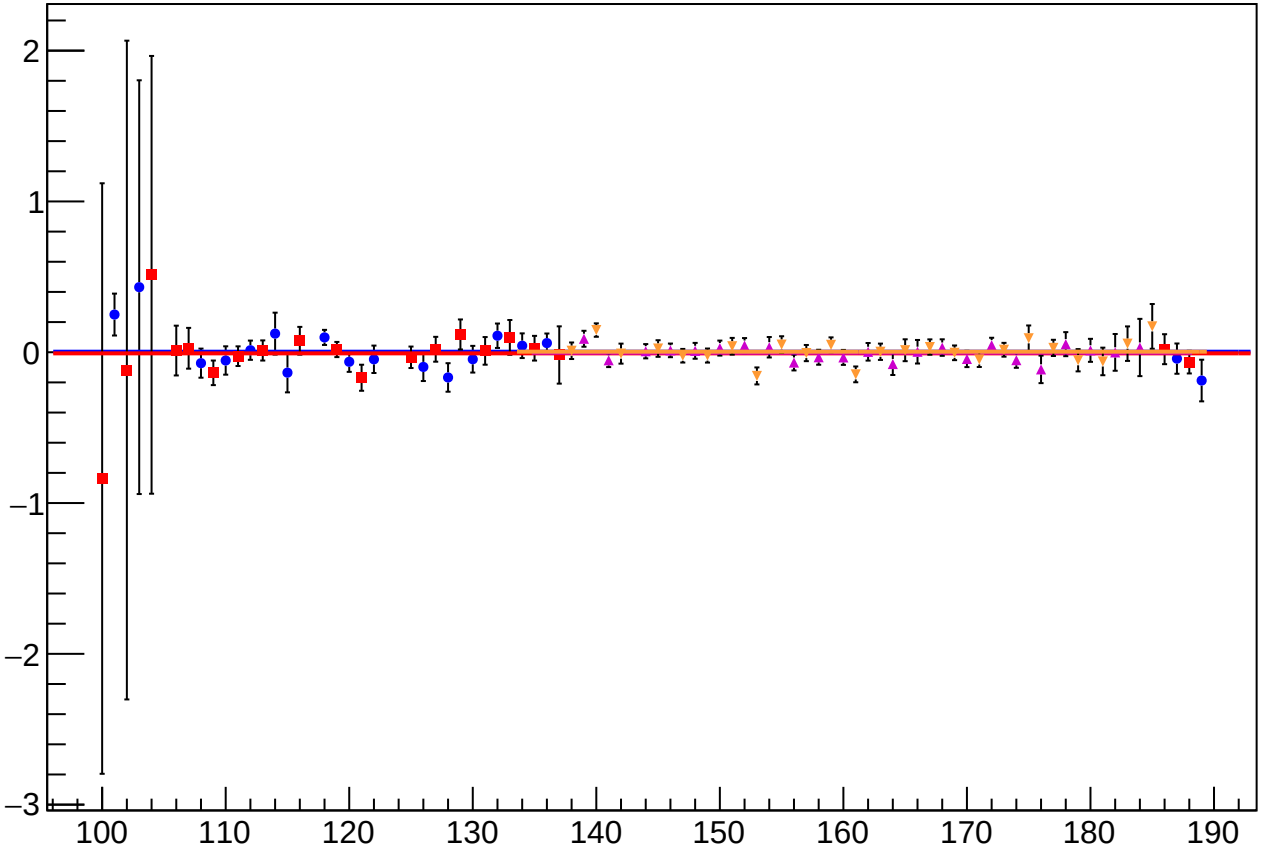
Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

\+ sign 45.967+/-0.007 χ^2/NDF: 3513913.4/41

All: 46.840+/-0.005 χ^2/NDF: 7581911.9/84

\- sign 47.762+/-0.007 χ^2/NDF: 4036723.5/42

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.004+/-0.020 χ^2/NDF: 20.7/17

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

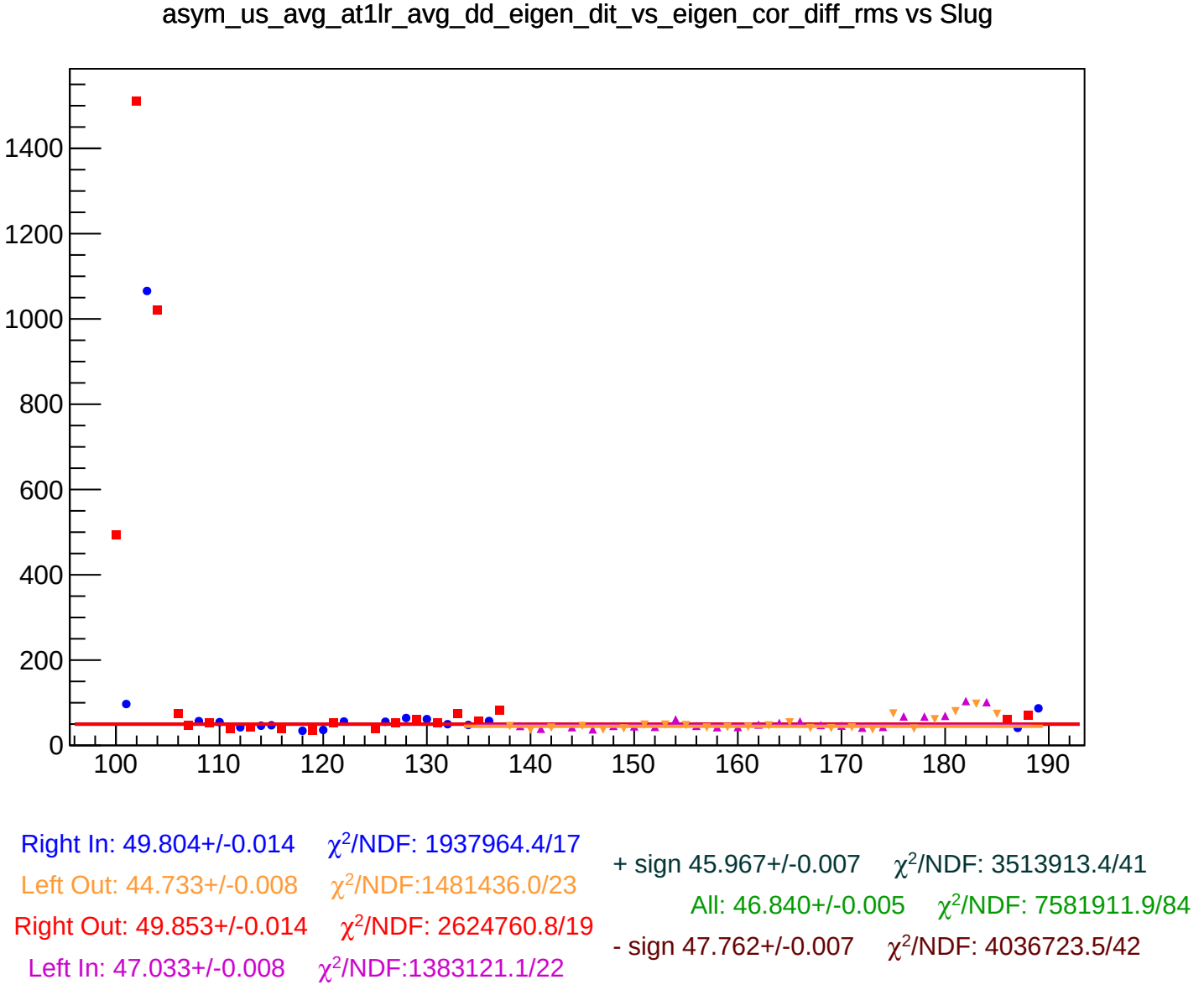
Right Out: -0.007+/-0.020 χ^2/NDF: 11.2/19

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.004+/-0.010 χ^2/NDF: 55.7/41

All: -0.000+/-0.007 χ^2/NDF: 81.7/84

- sign -0.004+/-0.010 χ^2/NDF: 25.7/42


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1400
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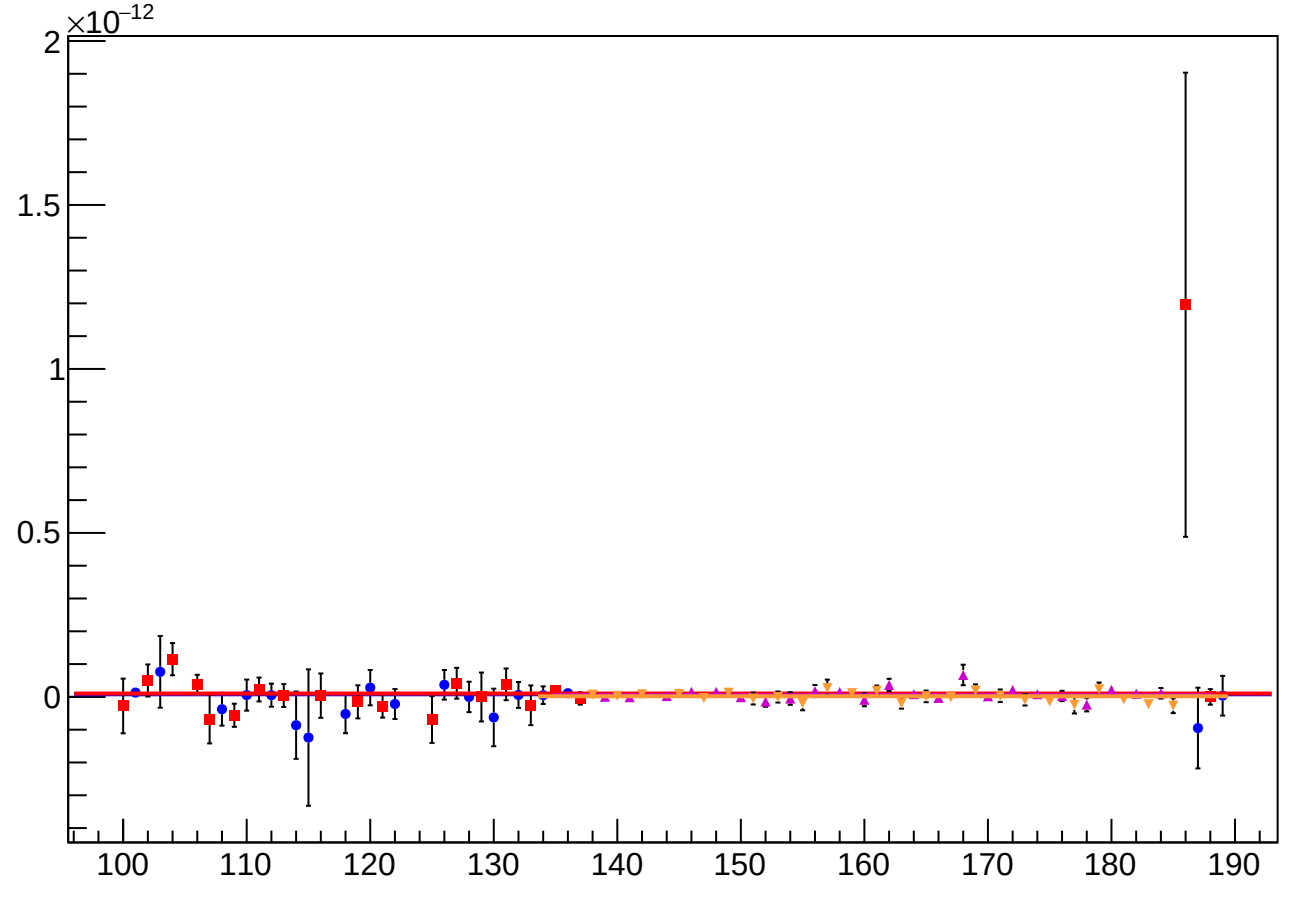
190
Right In: 49.804+/-0.014 χ2/NDF: 1937964.4/17
Left Out: 44.733+/-0.008 χ2/NDF:1481436.0/23
Right Out: 49.853+/-0.014 χ2/NDF: 2624760.8/19
Left In: 47.033+/-0.008 χ2/NDF:1383121.1/22
+ sign 45.967+/-0.007 χ2/NDF: 3513913.4/41
All: 46.840+/-0.005 χ2/NDF: 7581911.9/84
- sign 47.762+/-0.007 χ2/NDF: 4036723.5/42



Right In: 0.000+/-0.000 χ^2/NDF: 6.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/23

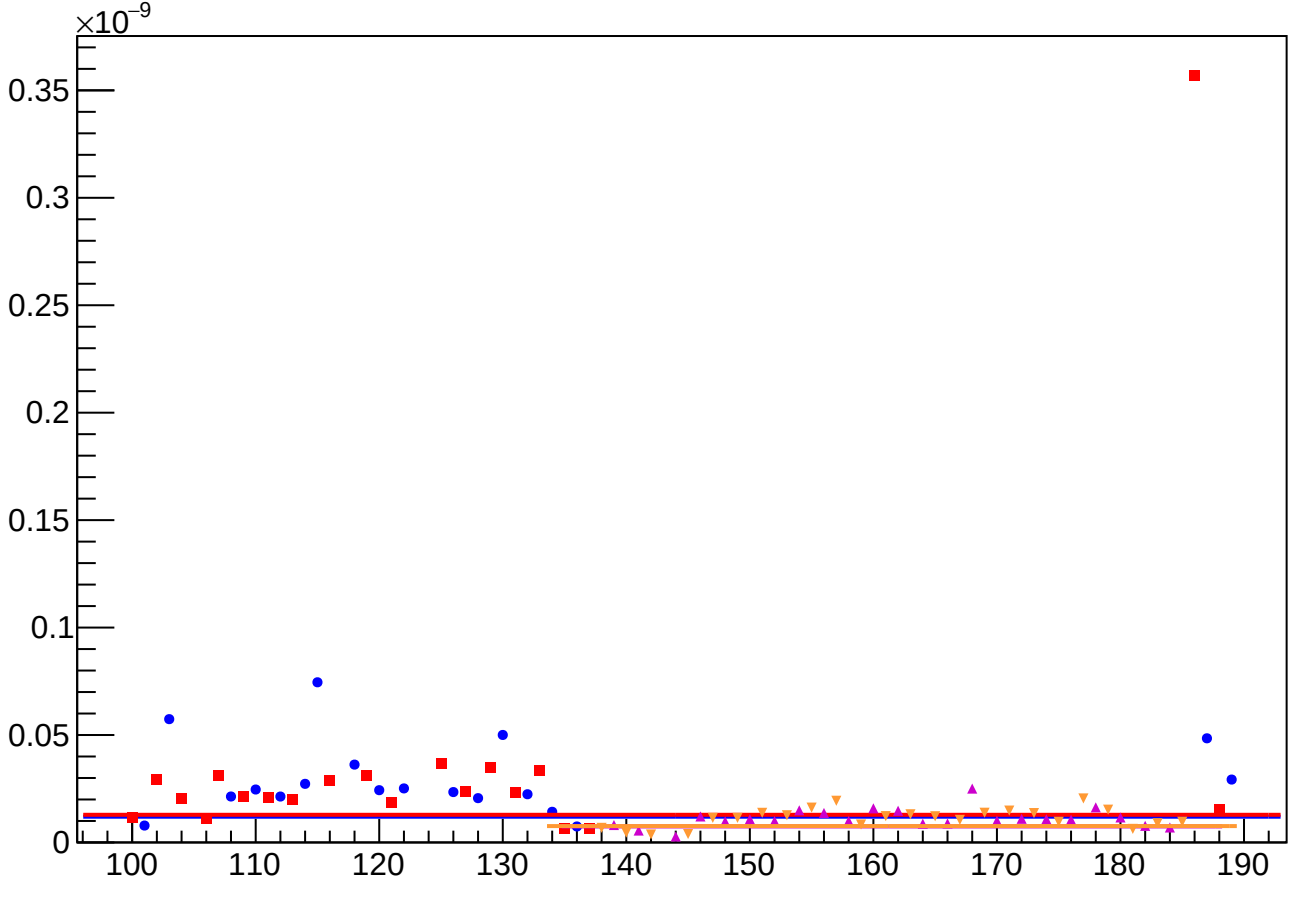
Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/19

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 27.5/41

All: 0.000+/-0.000 χ^2/NDF: 66.0/84

- sign 0.000+/-0.000 χ^2/NDF: 37.6/42



Right In: 0.000+/-0.000 χ^2/NDF: 3248154.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:5568430.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3424446.3/19

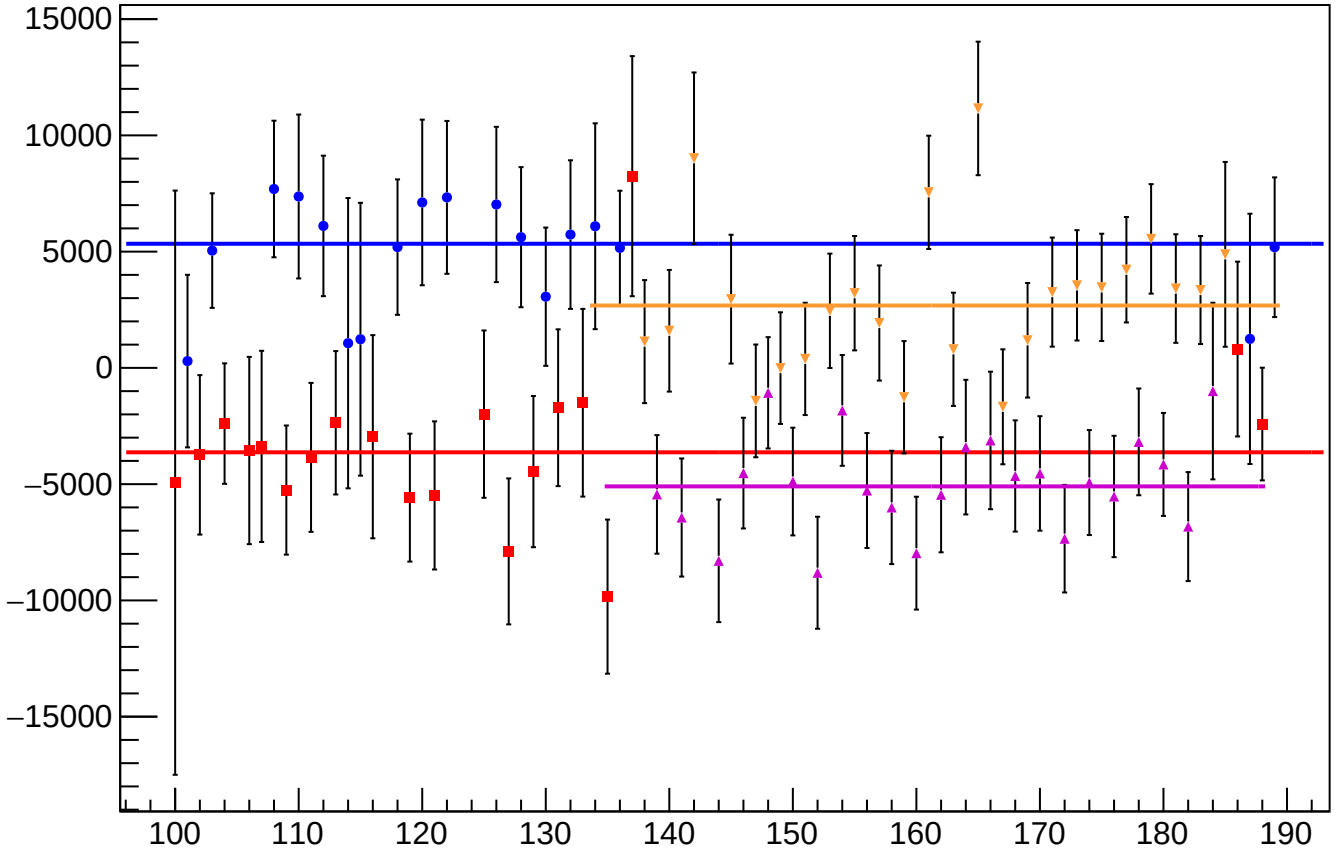
Left In: 0.000+/-0.000 χ^2/NDF:5978033.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 9587231.4/41

All: 0.000+/-0.000 χ^2/NDF: 20086802.2/84

- sign 0.000+/-0.000 χ^2/NDF: 10497983.2/42

reg_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5338.200+/-776.155 χ^2/NDF: 6.0/17

Left Out: 2682.870+/-512.020 χ^2/NDF:30.8/23

Right Out: -3630.493+/-751.870 χ^2/NDF: 14.8/19

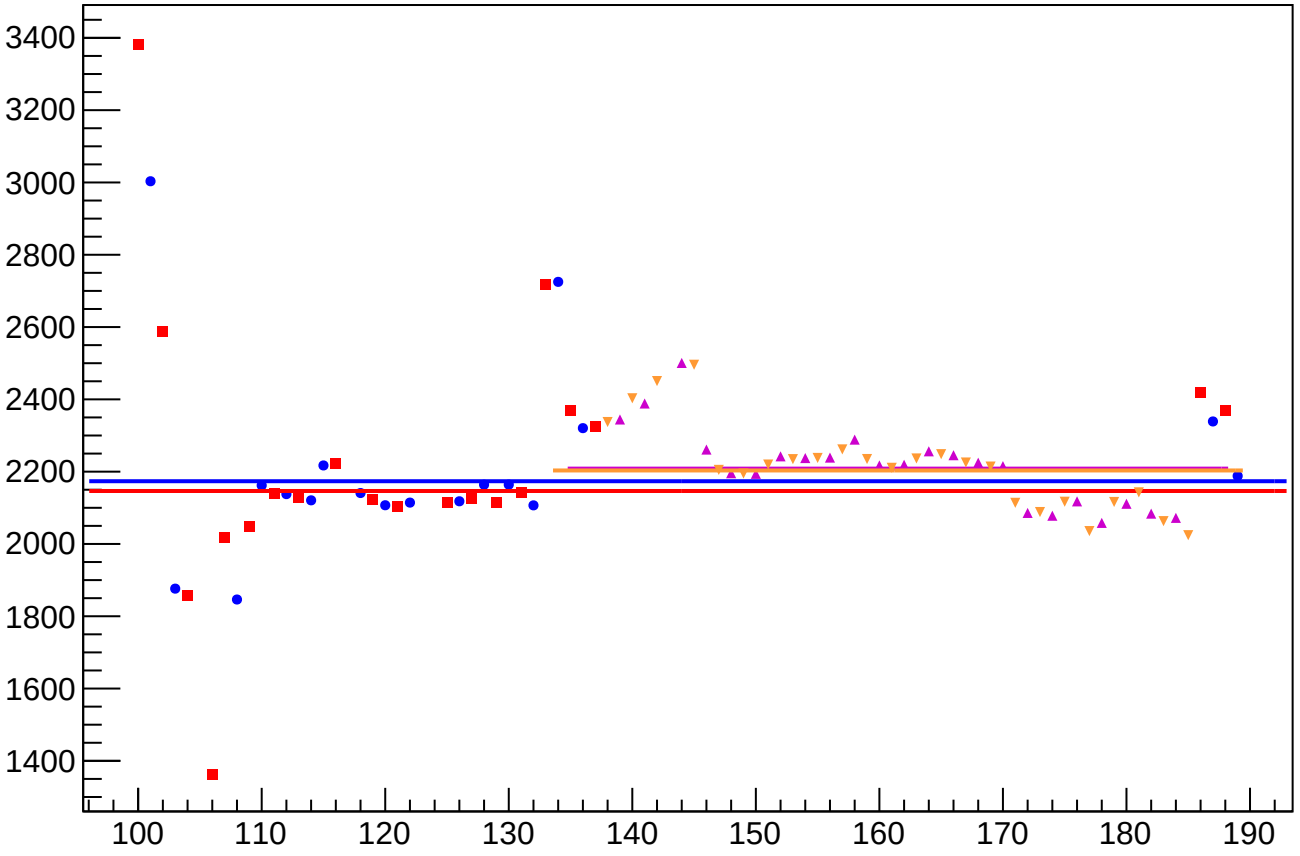
Left In: -5096.427+/-516.232 χ^2/NDF:14.9/22

+ sign 3488.038+/-427.398 χ^2/NDF: 44.9/41

All: -586.698+/-301.570 χ^2/NDF: 258.3/84

- sign -4626.767+/-425.576 χ^2/NDF: 32.3/42

reg_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2173.545+/-0.549 χ^2/NDF: 197664.0/17

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

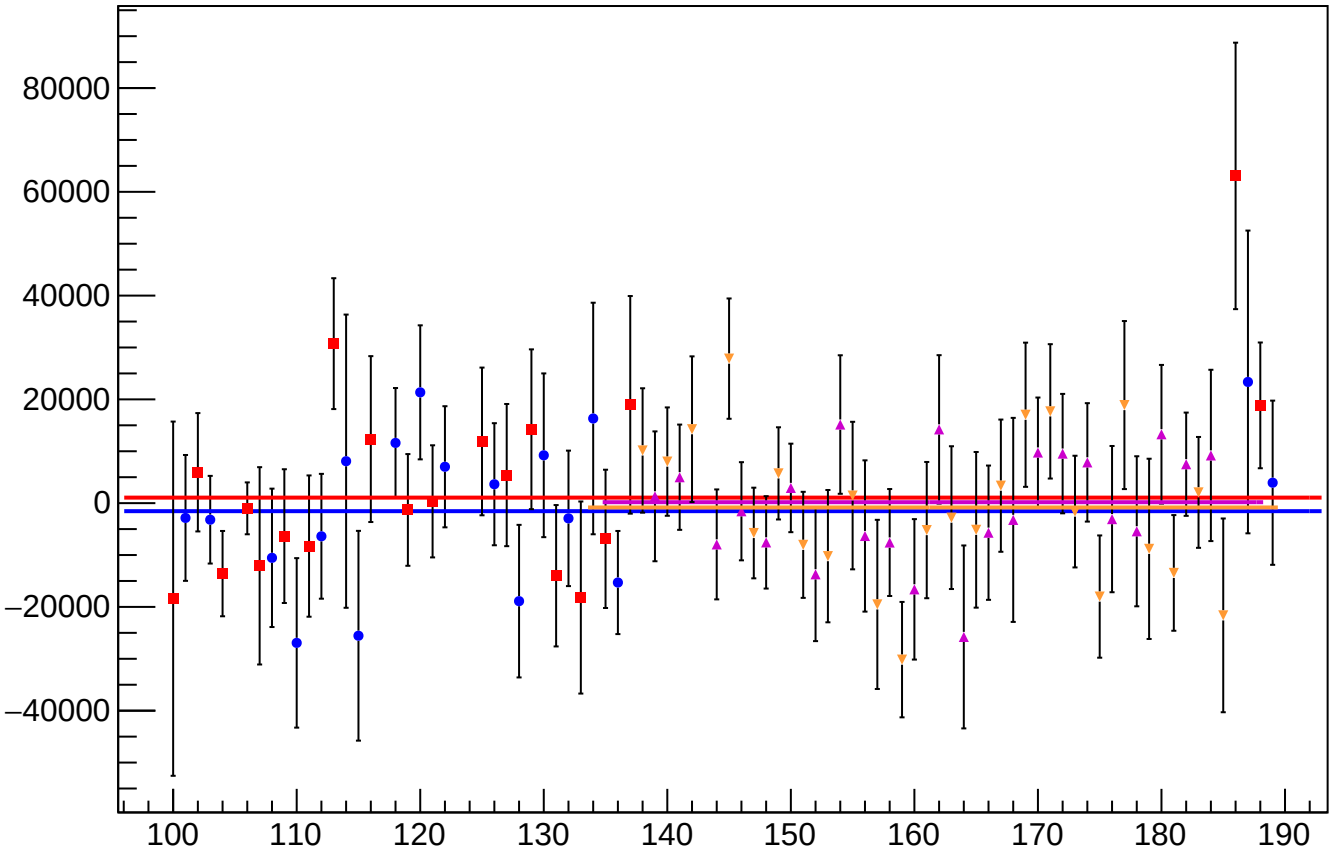
Right Out: 2146.511+/-0.524 χ^2/NDF: 298751.0/19

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2194.275+/-0.302 χ^2/NDF: 287920.0/41

All: 2191.202+/-0.213 χ^2/NDF: 677247.9/84

- sign 2188.182+/-0.300 χ^2/NDF: 389123.0/42



Right In: -1547.058+/-3129.721 χ^2/NDF: 15.3/17

Left Out: -833.485+/-2481.469 χ^2/NDF:29.5/23

Right Out: 1064.602+/-2635.880 χ^2/NDF: 24.0/19

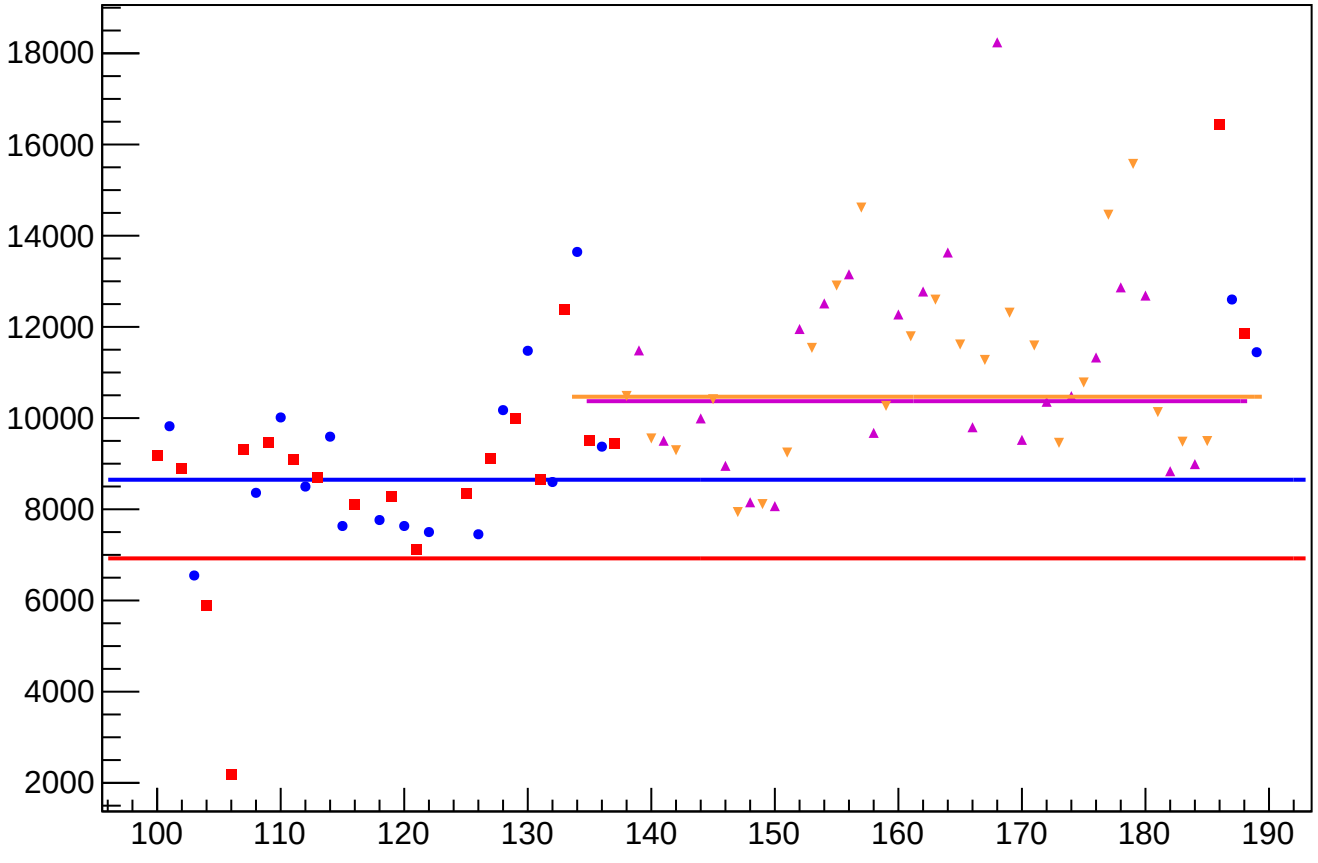
Left In: 182.426+/-2471.223 χ^2/NDF:13.8/22

+ sign -1108.919+/-1944.444 χ^2/NDF: 44.8/41

All: -192.599+/-1322.022 χ^2/NDF: 83.0/84

- sign 595.102+/-1802.820 χ^2/NDF: 37.8/42

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug



Right In: 8648.170+/-2.213 χ^2/NDF: 527064.9/17

Left Out: 10468.677+/-1.755 χ^2/NDF:1045257.2/23

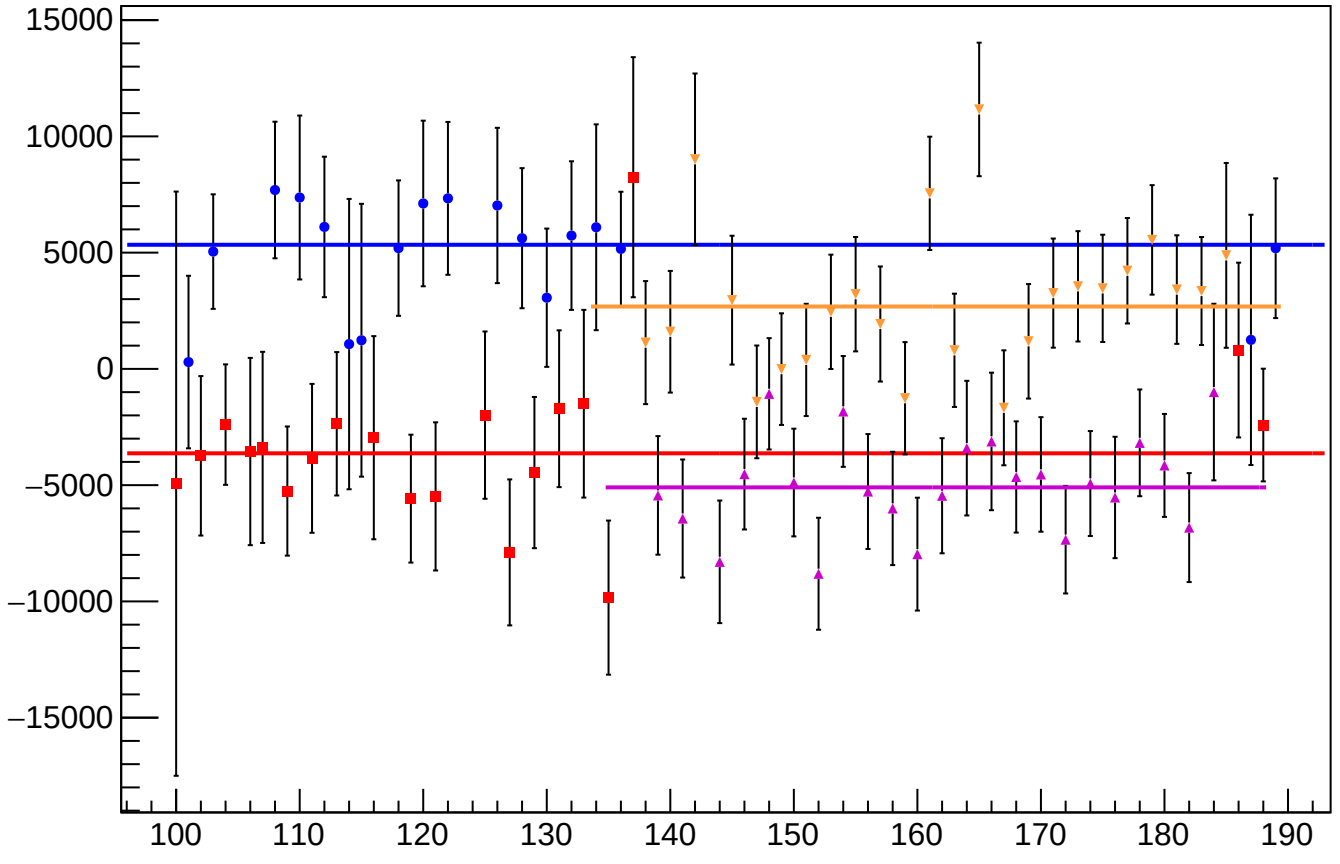
Right Out: 6923.169+/-1.864 χ^2/NDF: 3210069.5/19

Left In: 10370.895+/-1.747 χ^2/NDF:1203758.1/22

+ sign 9765.974+/-1.375 χ^2/NDF: 1987827.6/41

All: 9223.986+/-0.935 χ^2/NDF: 8511684.6/84

- sign 8758.074+/-1.275 χ^2/NDF: 6234891.4/42



Right In: 5338.387+/-776.155 χ^2/NDF: 6.0/17

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: -3630.234+/-751.870 χ^2/NDF: 14.8/19

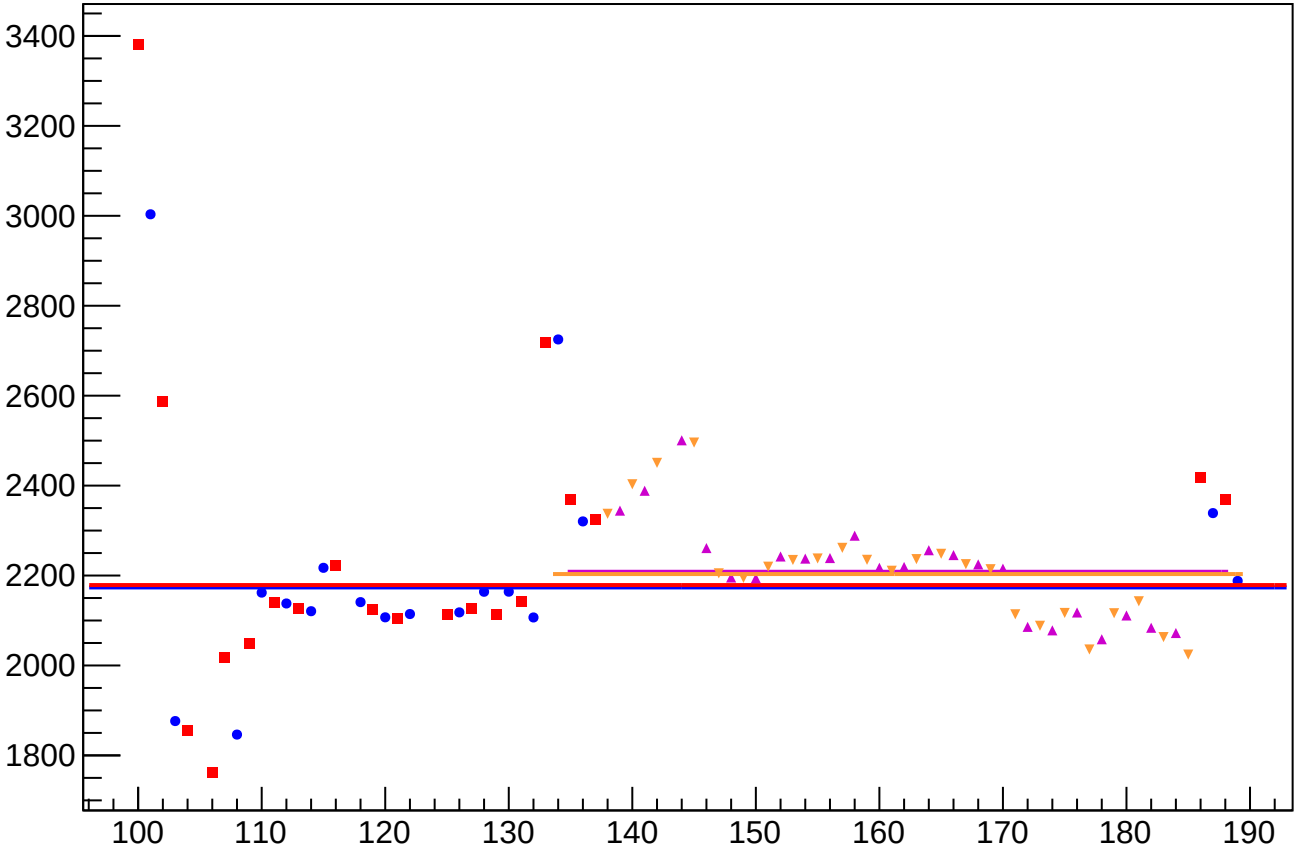
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3488.040+/-427.398 χ^2/NDF: 44.9/41

All: -586.624+/-301.570 χ^2/NDF: 258.3/84

- sign -4626.622+/-425.576 χ^2/NDF: 32.3/42

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2173.545+/-0.549 χ^2/NDF: 197664.4/17

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

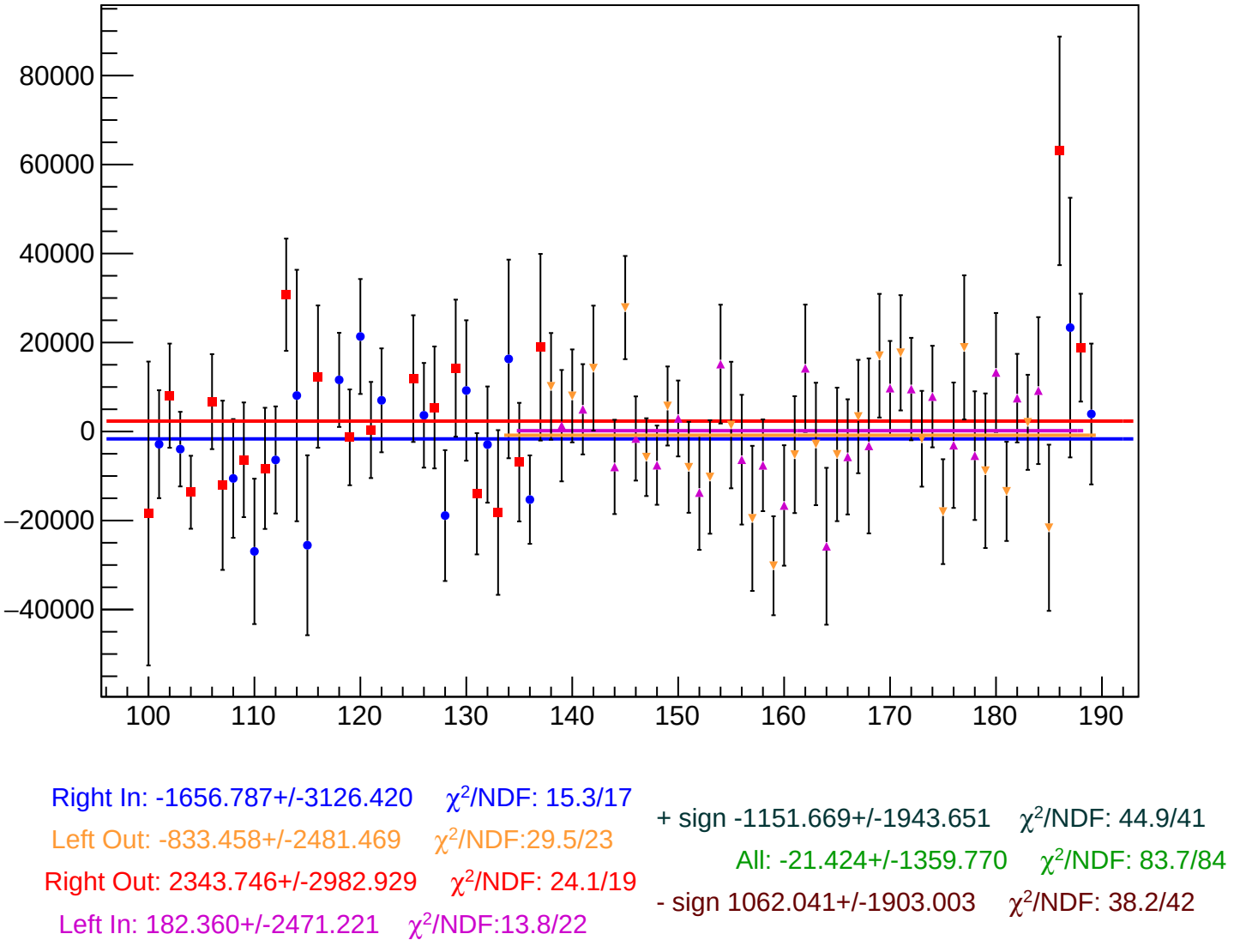
Right Out: 2178.796+/-0.529 χ^2/NDF: 181247.1/19

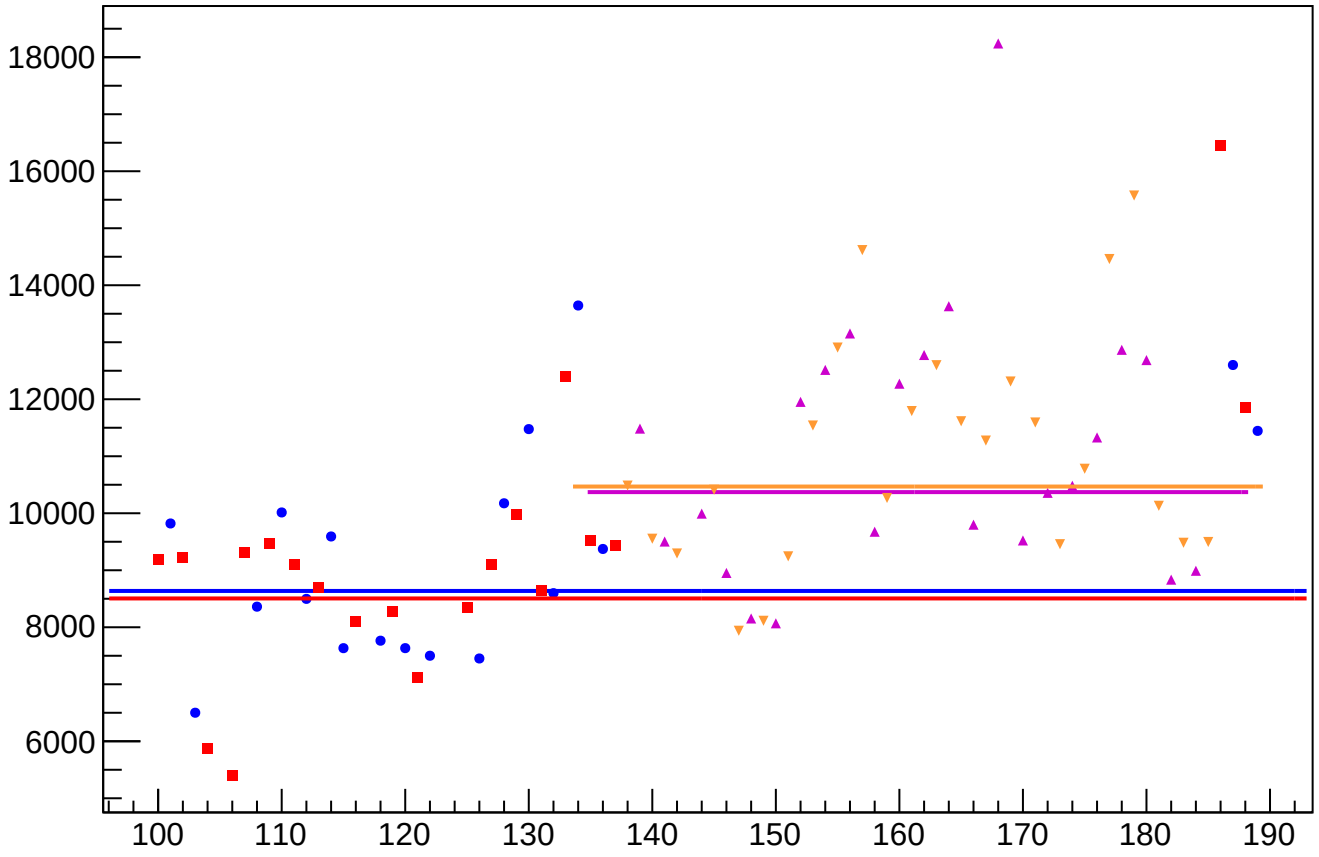
Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2194.275+/-0.302 χ^2/NDF: 287920.4/41

All: 2196.573+/-0.213 χ^2/NDF: 552393.4/84

- sign 2198.846+/-0.301 χ^2/NDF: 264358.0/42


asym_us_avg_at2lr_avg_avg_cor_correction_mean vs Slug
80000
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -1656.787+/-3126.420 χ²/NDF: 15.3/17
Left Out: -833.458+/-2481.469 χ²/NDF:29.5/23
Right Out: 2343.746+/-2982.929 χ²/NDF: 24.1/19
Left In: 182.360+/-2471.221 χ²/NDF:13.8/22
+ sign -1151.669+/-1943.651 χ²/NDF: 44.9/41
All: -21.424+/-1359.770 χ²/NDF: 83.7/84
- sign 1062.041+/-1903.003 χ²/NDF: 38.2/42



Right In: 8637.137+/-2.211 χ^2/NDF: 534631.3/17

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

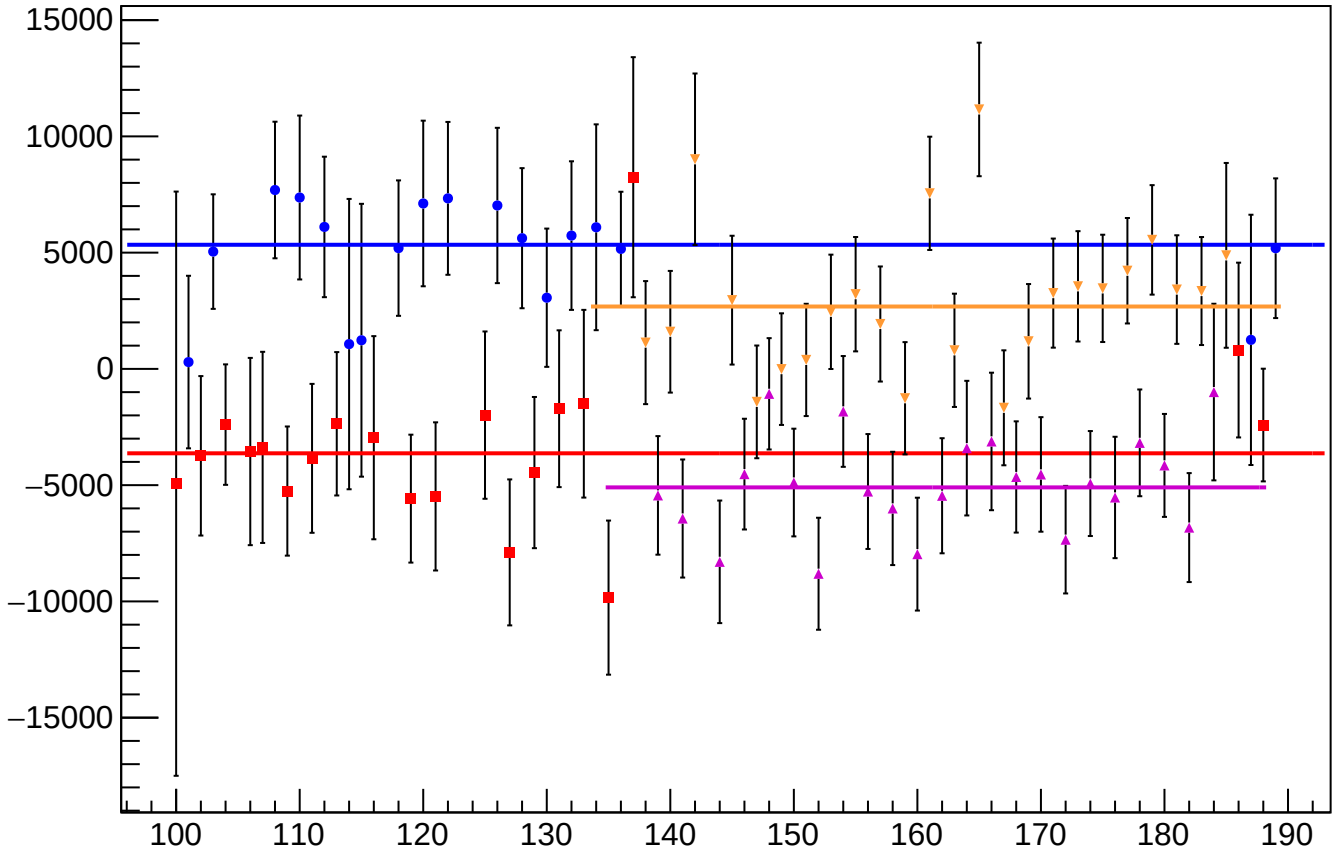
Right Out: 8505.350+/-2.109 χ^2/NDF: 907920.3/19

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

+ sign 9760.798+/-1.374 χ^2/NDF: 2000991.3/41

All: 9684.631+/-0.962 χ^2/NDF: 4582572.5/84

- sign 9611.615+/-1.346 χ^2/NDF: 2575565.5/42



Right In: 5338.387+/-776.155 χ^2/NDF: 6.0/17

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: -3630.234+/-751.870 χ^2/NDF: 14.8/19

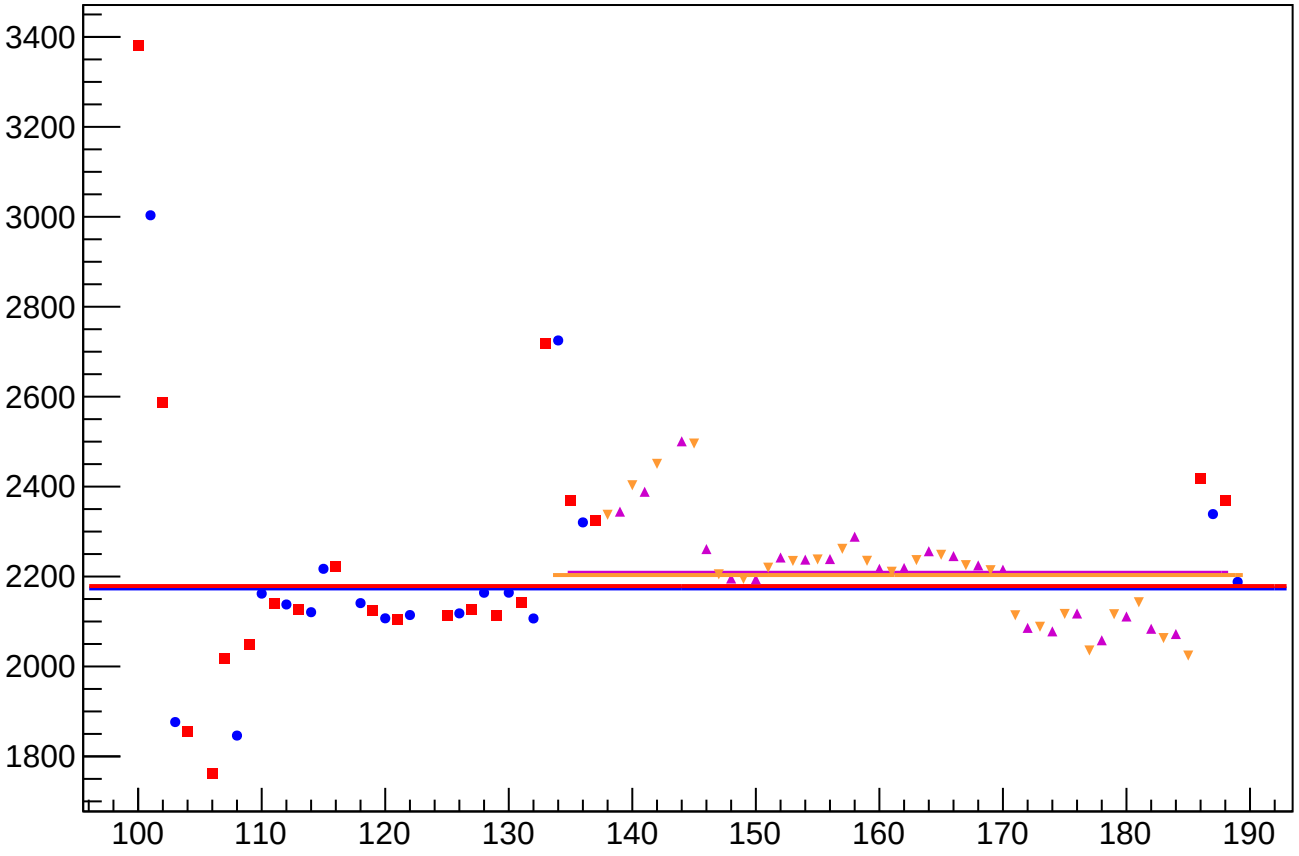
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3488.040+/-427.398 χ^2/NDF: 44.9/41

All: -586.624+/-301.570 χ^2/NDF: 258.3/84

- sign -4626.622+/-425.576 χ^2/NDF: 32.3/42

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2173.545+/-0.549 χ^2/NDF: 197664.4/17

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

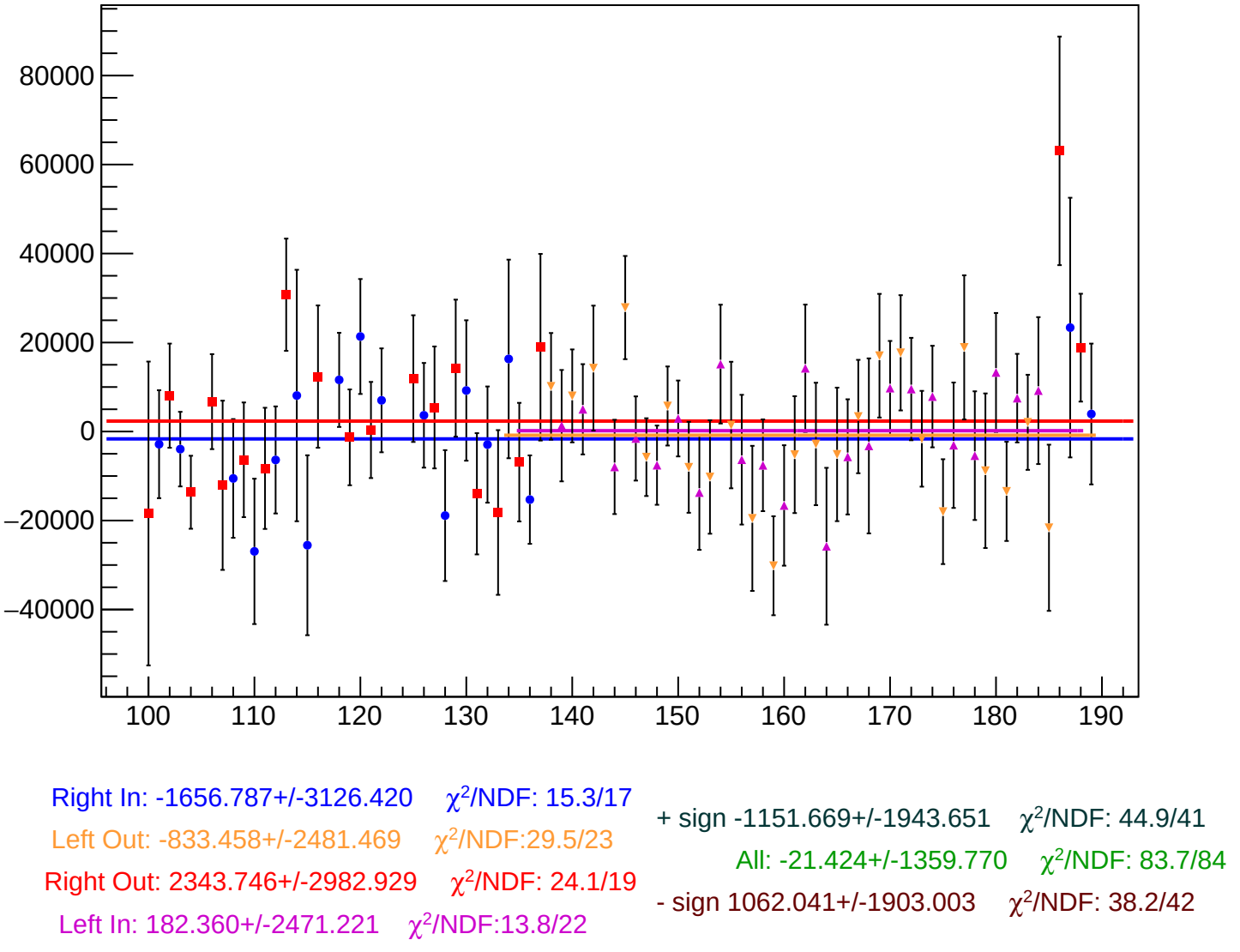
Right Out: 2178.796+/-0.529 χ^2/NDF: 181247.1/19

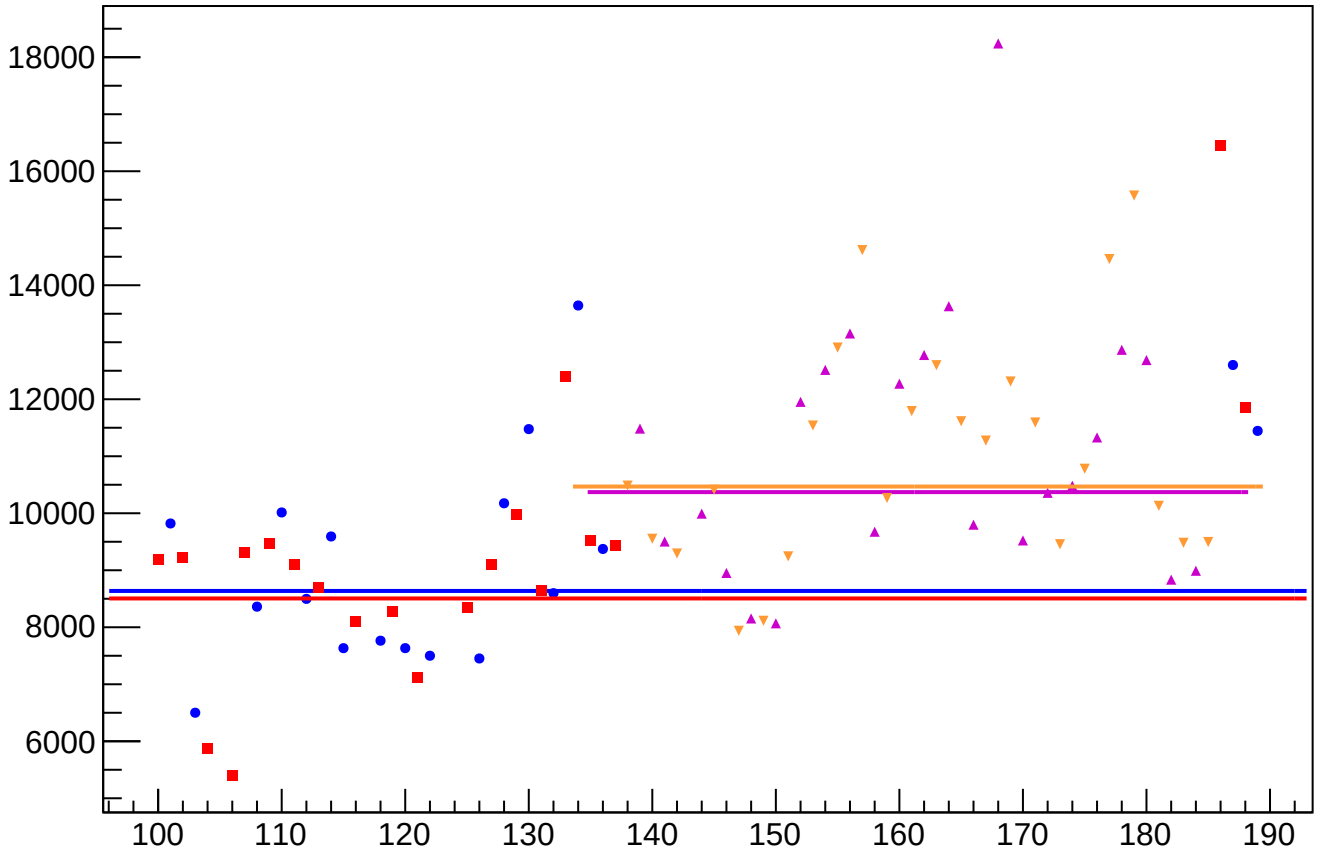
Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2194.275+/-0.302 χ^2/NDF: 287920.4/41

All: 2196.573+/-0.213 χ^2/NDF: 552393.4/84

- sign 2198.846+/-0.301 χ^2/NDF: 264358.0/42


asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug
80000
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -1656.787+/-3126.420 χ²/NDF: 15.3/17
Left Out: -833.458+/-2481.469 χ²/NDF:29.5/23
Right Out: 2343.746+/-2982.929 χ²/NDF: 24.1/19
Left In: 182.360+/-2471.221 χ²/NDF:13.8/22
+ sign -1151.669+/-1943.651 χ²/NDF: 44.9/41
All: -21.424+/-1359.770 χ²/NDF: 83.7/84
- sign 1062.041+/-1903.003 χ²/NDF: 38.2/42



Right In: 8637.137+/-2.211 χ^2/NDF: 534631.3/17

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

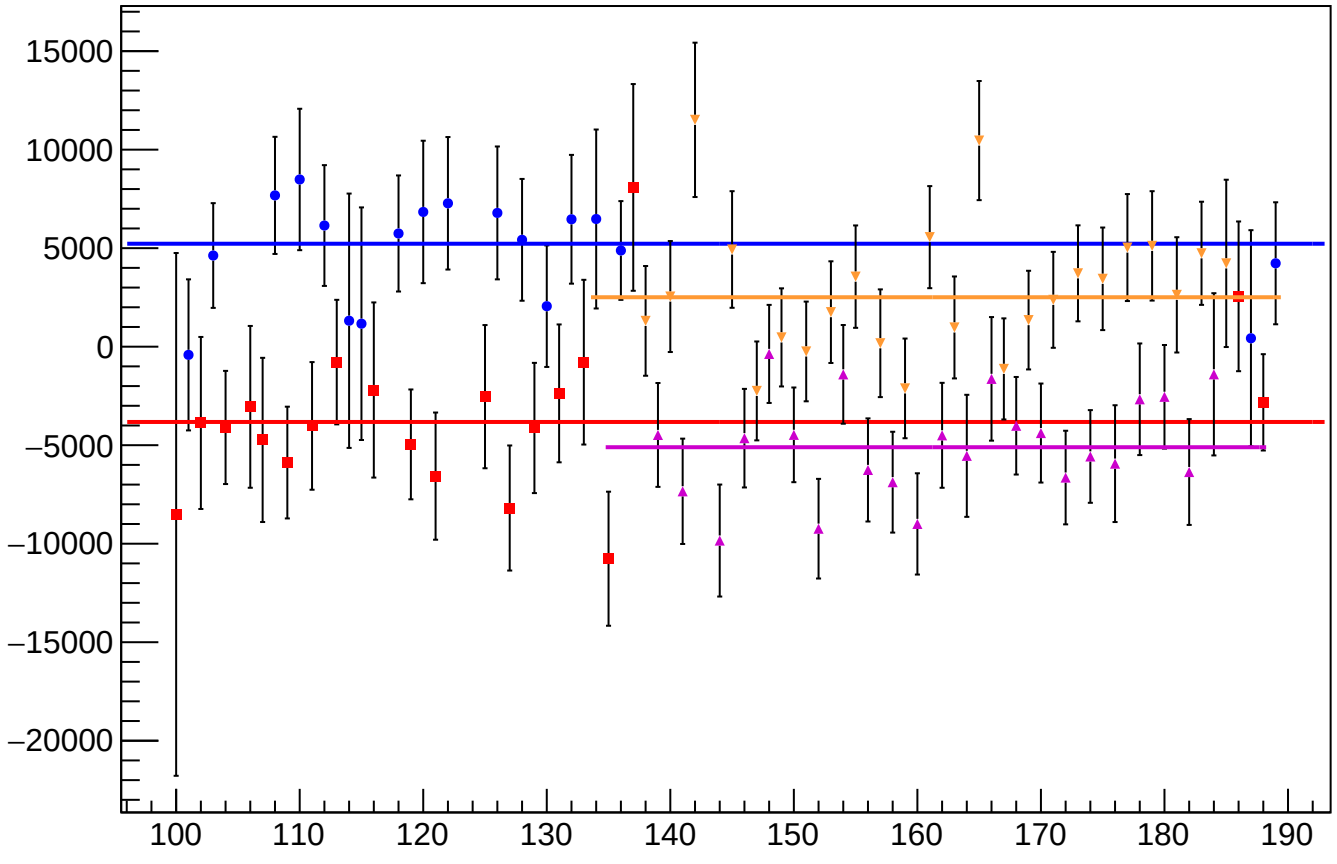
Right Out: 8505.350+/-2.109 χ^2/NDF: 907920.3/19

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

+ sign 9760.798+/-1.374 χ^2/NDF: 2000991.3/41

All: 9684.631+/-0.962 χ^2/NDF: 4582572.5/84

- sign 9611.615+/-1.346 χ^2/NDF: 2575565.5/42



Right In: 5225.108+/-796.486 χ^2/NDF: 7.6/17

Left Out: 2508.976+/-551.601 χ^2/NDF:29.8/23

Right Out: -3821.311+/-777.063 χ^2/NDF: 17.7/19

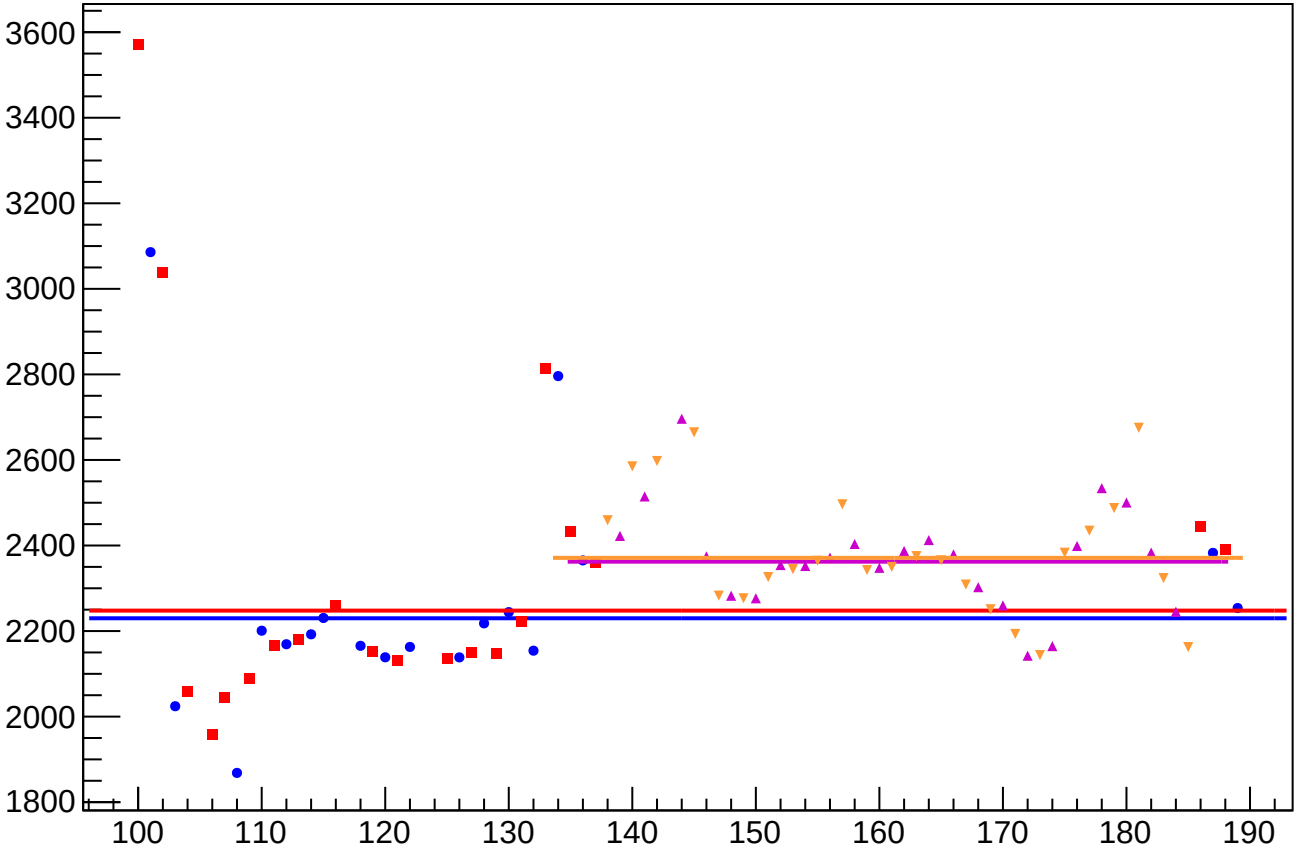
Left In: -5102.993+/-552.583 χ^2/NDF:19.9/22

+ sign 3389.408+/-453.472 χ^2/NDF: 45.3/41

All: -669.600+/-319.536 χ^2/NDF: 243.9/84

- sign -4672.538+/-450.329 χ^2/NDF: 39.4/42

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2229.882+/-0.563 χ^2/NDF: 186433.1/17

Left Out: 2371.137+/-0.390 χ^2/NDF:116296.5/23

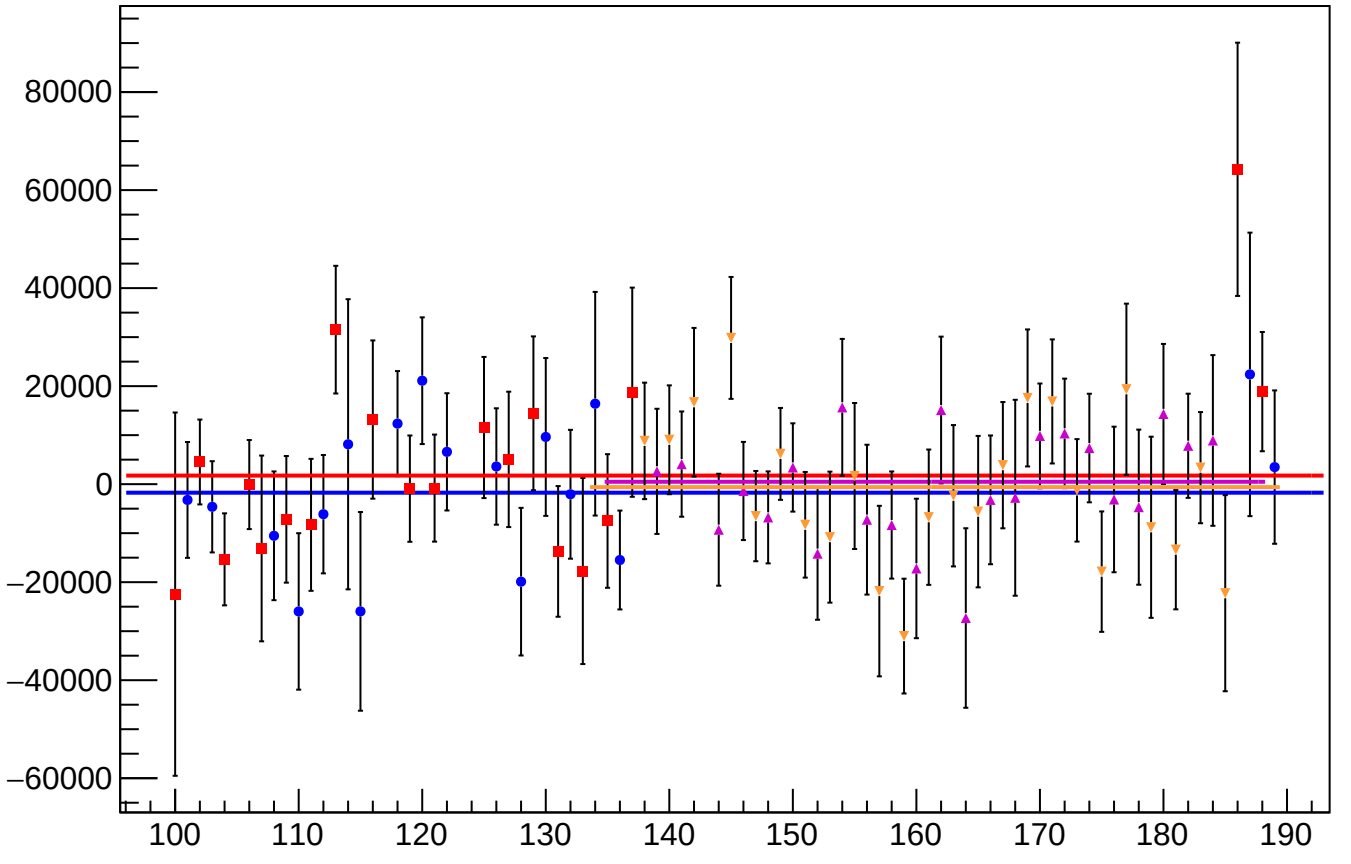
Right Out: 2247.794+/-0.549 χ^2/NDF: 184074.7/19

Left In: 2362.218+/-0.391 χ^2/NDF:91896.7/22

+ sign 2325.349+/-0.321 χ^2/NDF: 345243.7/41

All: 2324.549+/-0.226 χ^2/NDF: 650049.5/84

- sign 2323.761+/-0.318 χ^2/NDF: 304793.5/42



Right In: -1741.167+/-3183.028 χ^2/NDF: 15.3/17

Left Out: -608.283+/-2589.919 χ^2/NDF:28.9/23

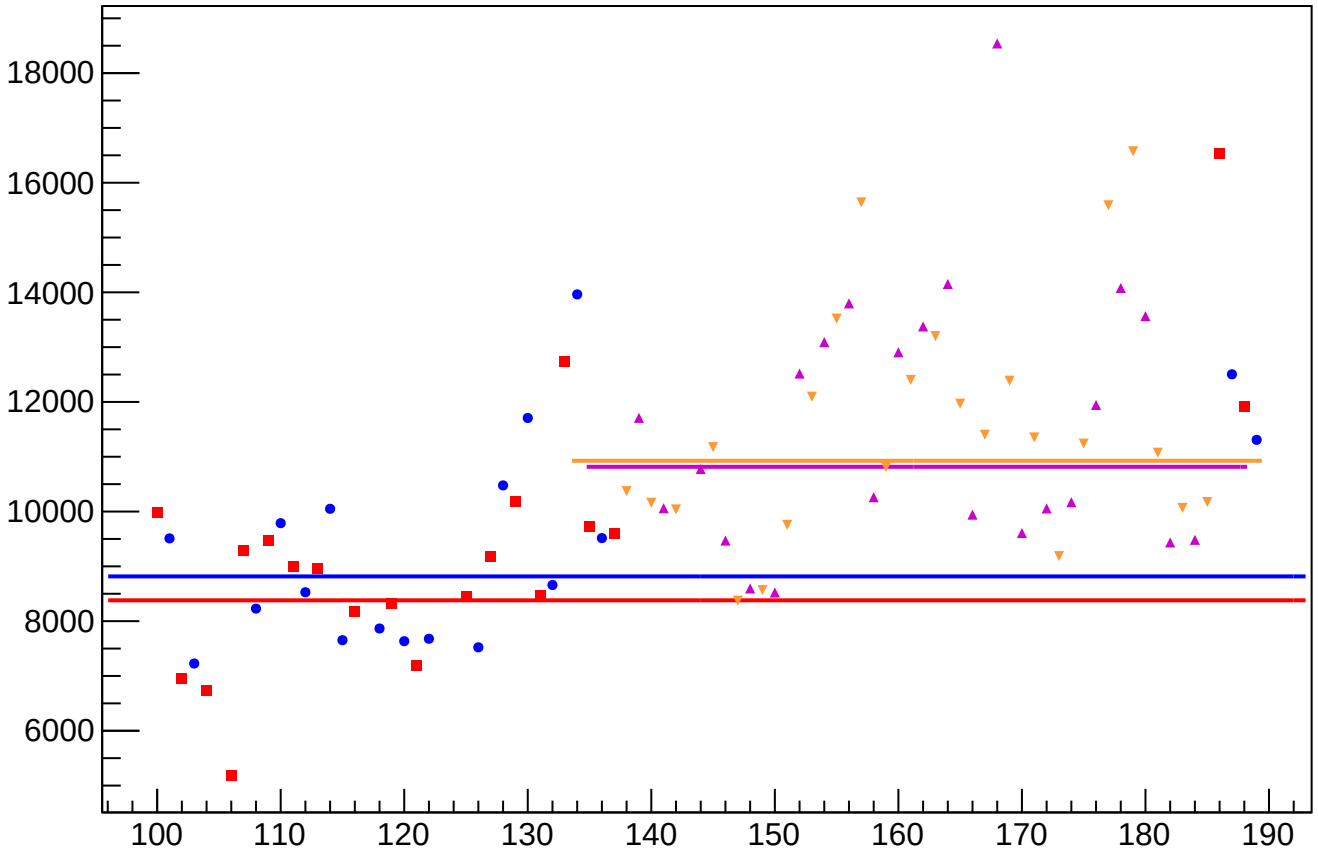
Right Out: 1751.438+/-2926.161 χ^2/NDF: 23.9/19

Left In: 490.044+/-2577.213 χ^2/NDF:13.5/22

+ sign -1059.549+/-2008.926 χ^2/NDF: 44.3/41

All: 30.653+/-1393.291 χ^2/NDF: 82.4/84

- sign 1041.081+/-1934.030 χ^2/NDF: 37.5/42



Right In: 8816.870+/-2.251 χ^2/NDF: 445747.3/17

Left Out: 10926.860+/-1.831 χ^2/NDF:1057331.1/23

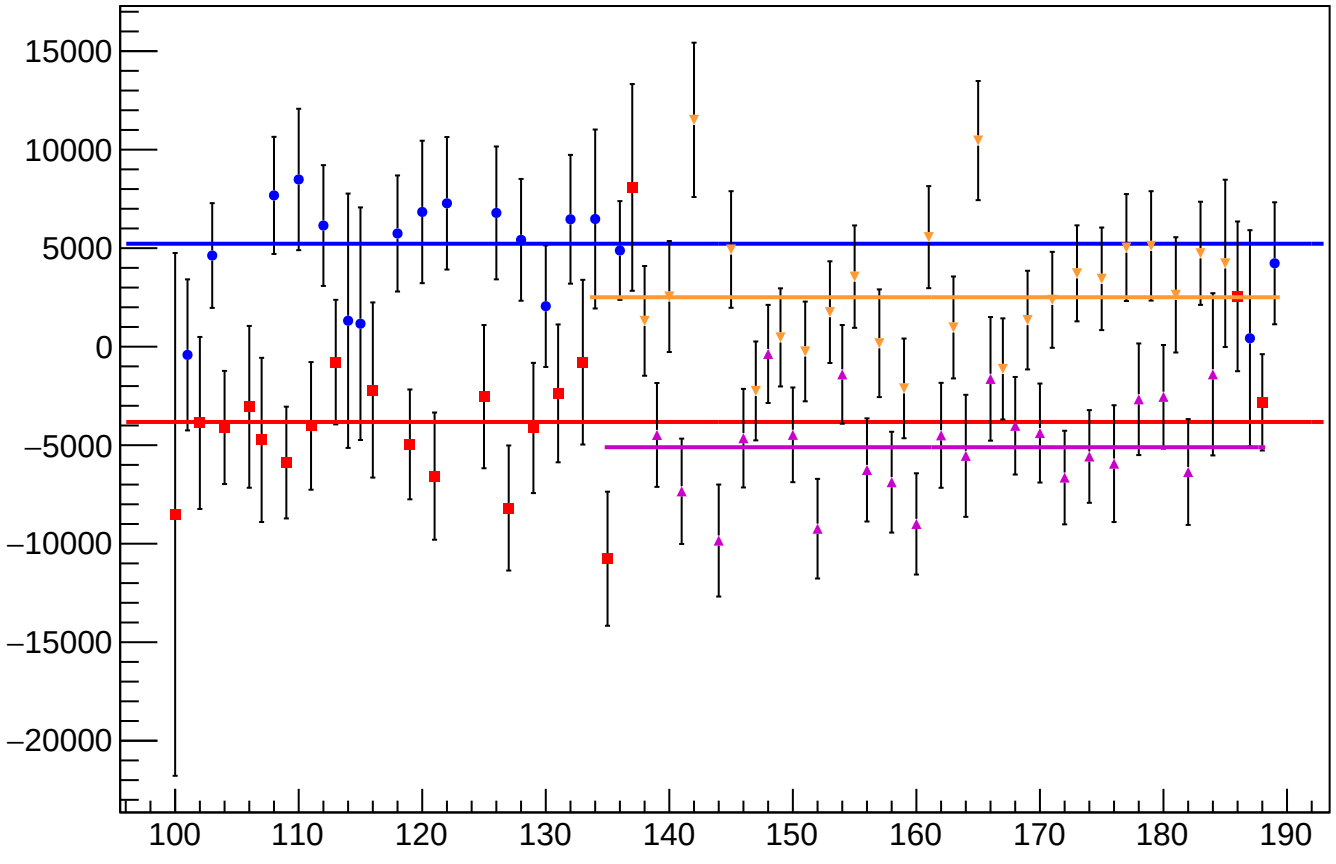
Right Out: 8380.191+/-2.069 χ^2/NDF: 951035.8/19

Left In: 10816.320+/-1.822 χ^2/NDF:1196820.9/22

+ sign 10086.380+/-1.421 χ^2/NDF: 2031846.8/41

All: 9912.894+/-0.985 χ^2/NDF: 4989099.4/84

- sign 9752.102+/-1.368 χ^2/NDF: 2928513.5/42



Right In: 5225.110+/-796.485 χ^2/NDF: 7.6/17

Left Out: 2508.963+/-551.602 χ^2/NDF:29.8/23

Right Out: -3821.315+/-777.062 χ^2/NDF: 17.7/19

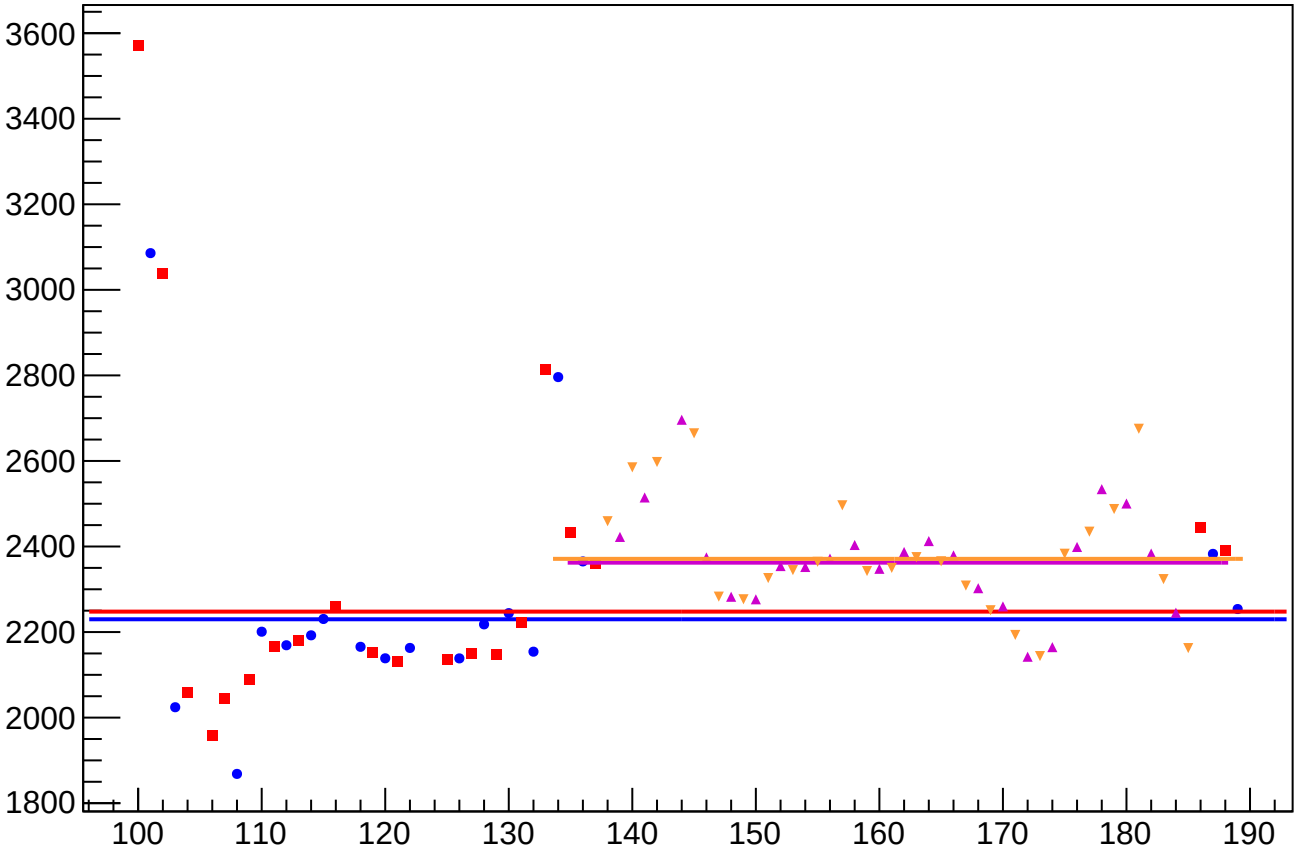
Left In: -5102.996+/-552.584 χ^2/NDF:19.9/22

+ sign 3389.402+/-453.472 χ^2/NDF: 45.3/41

All: -669.604+/-319.536 χ^2/NDF: 243.9/84

- sign -4672.540+/-450.329 χ^2/NDF: 39.4/42

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2229.881+/-0.563 χ^2/NDF: 186433.3/17

Left Out: 2371.140+/-0.390 χ^2/NDF:116300.8/23

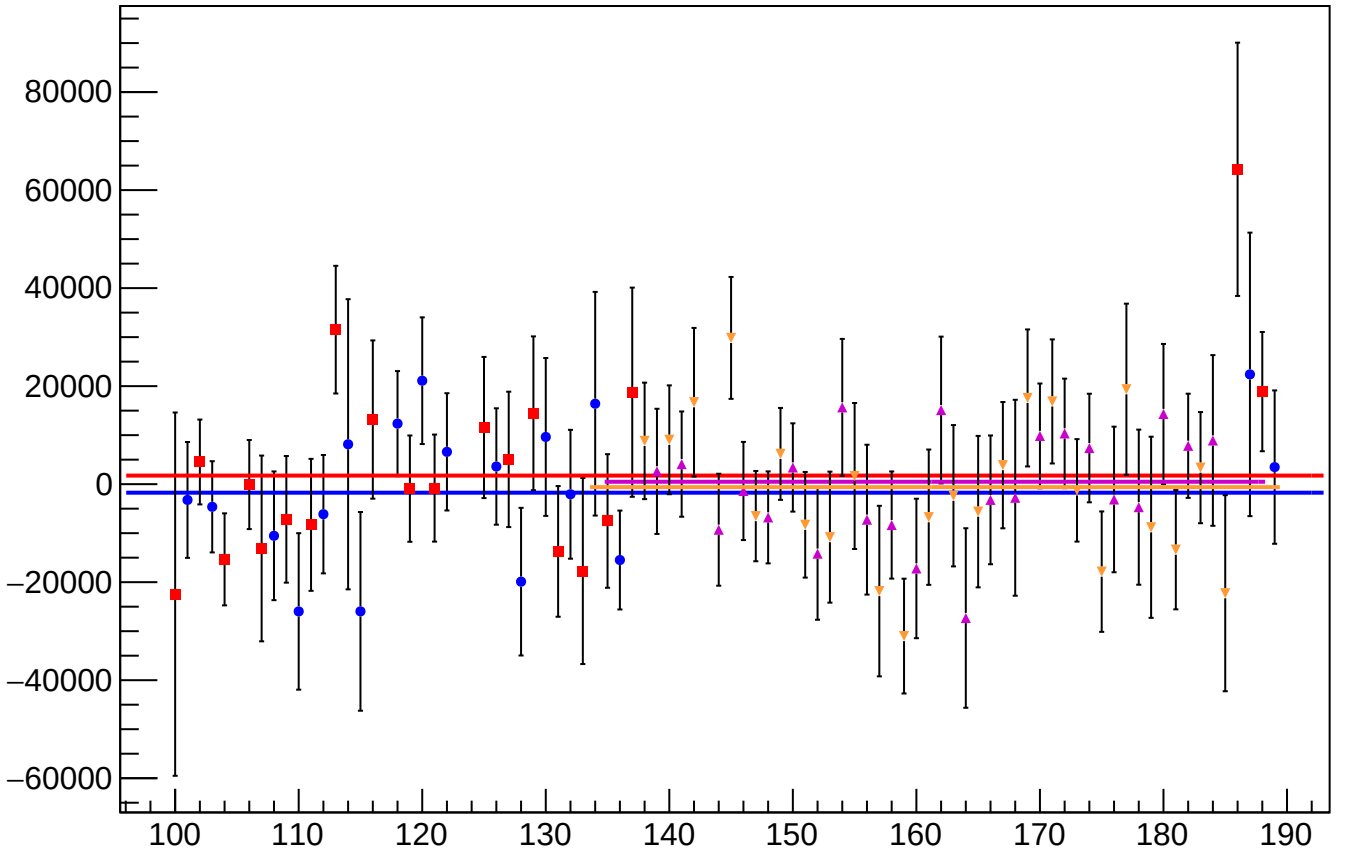
Right Out: 2247.793+/-0.549 χ^2/NDF: 184074.7/19

Left In: 2362.221+/-0.391 χ^2/NDF:91901.3/22

+ sign 2325.351+/-0.321 χ^2/NDF: 345250.7/41

All: 2324.551+/-0.226 χ^2/NDF: 650063.0/84

- sign 2323.763+/-0.318 χ^2/NDF: 304800.0/42



Right In: -1741.149+/-3183.021 χ^2/NDF: 15.3/17

Left Out: -608.291+/-2589.924 χ^2/NDF:28.9/23

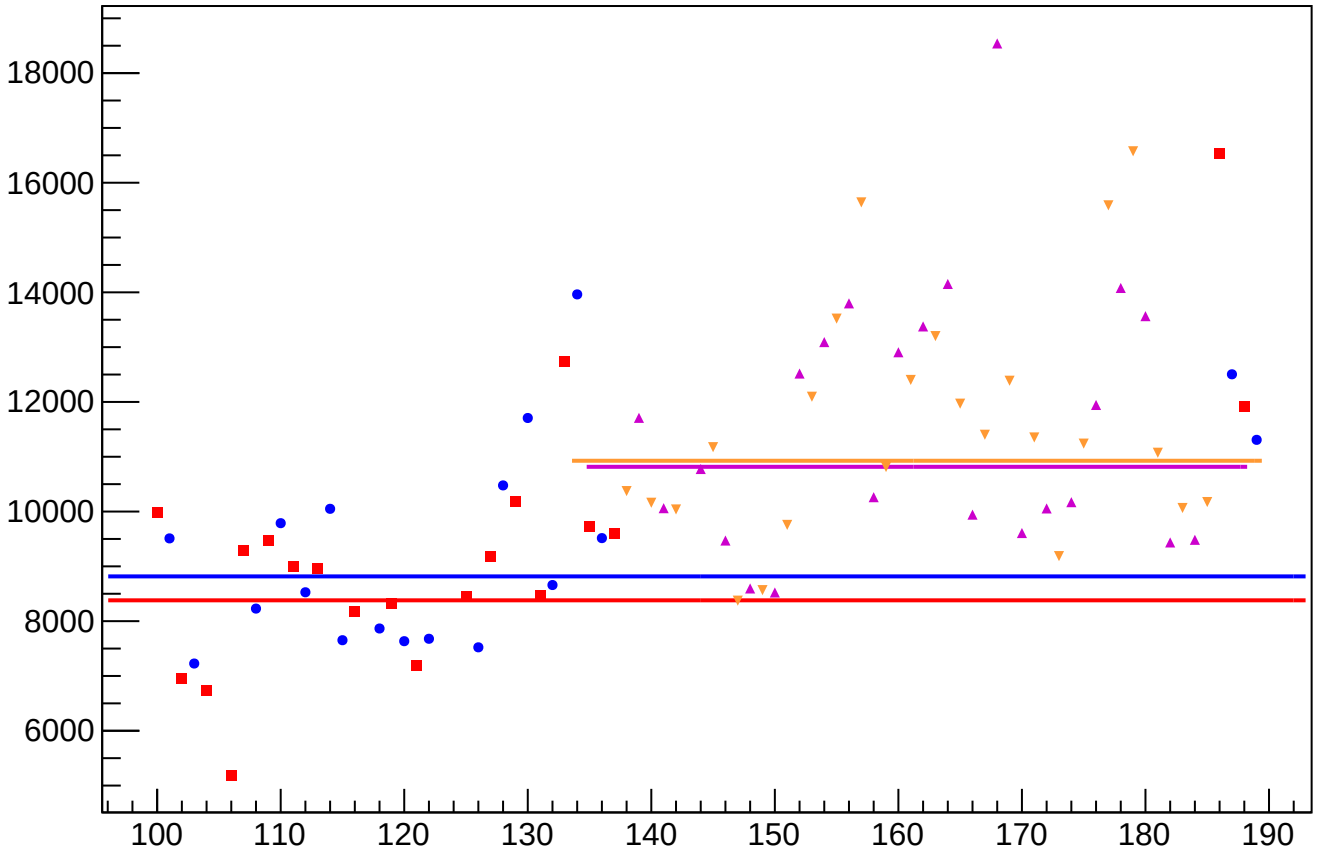
Right Out: 1751.425+/-2926.155 χ^2/NDF: 23.9/19

Left In: 490.047+/-2577.218 χ^2/NDF:13.5/22

+ sign -1059.549+/-2008.927 χ^2/NDF: 44.3/41

All: 30.652+/-1393.292 χ^2/NDF: 82.4/84

- sign 1041.079+/-1934.030 χ^2/NDF: 37.5/42



Right In: 8816.850+/-2.251 χ^2/NDF: 445751.5/17

Left Out: 10926.878+/-1.831 χ^2/NDF:1057333.6/23

Right Out: 8380.173+/-2.069 χ^2/NDF: 951037.7/19

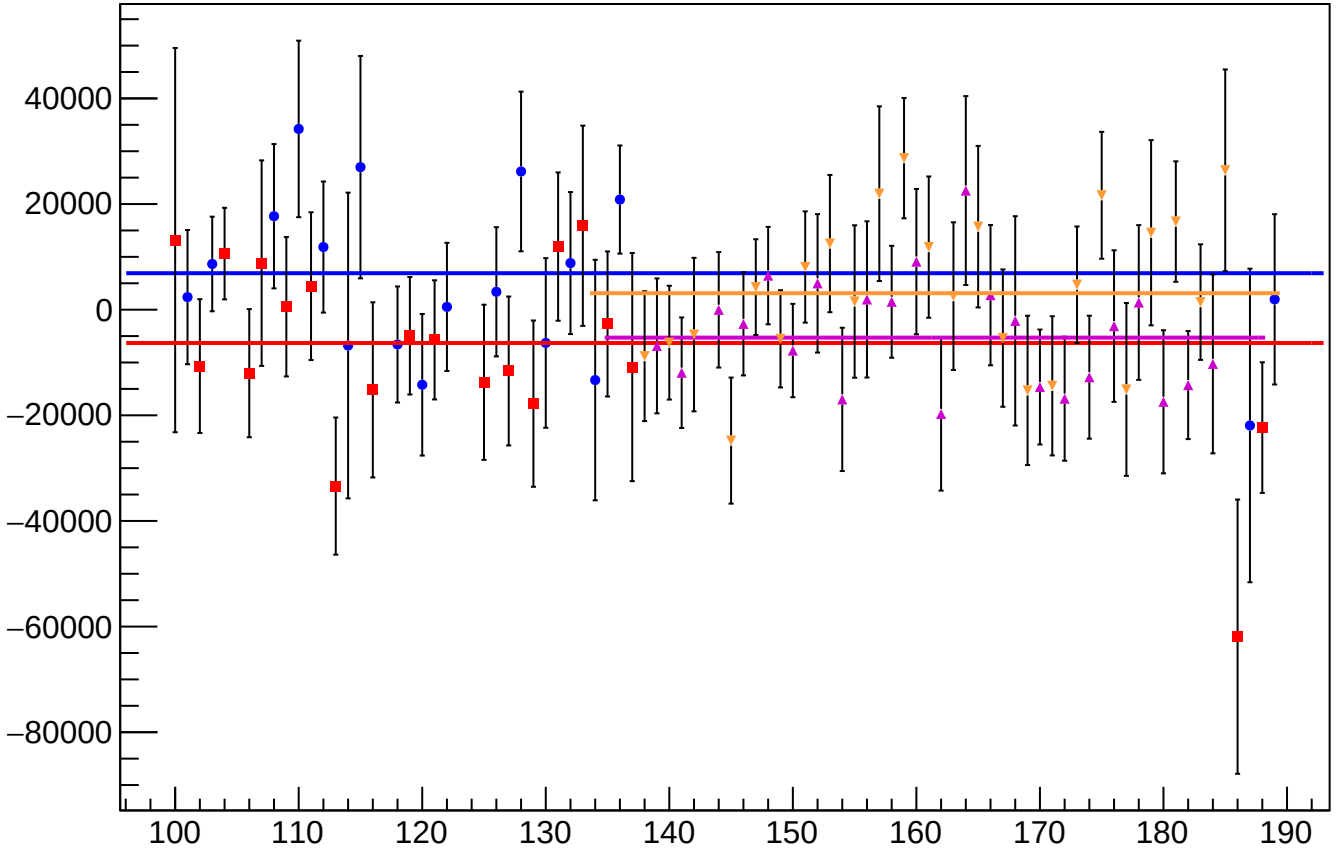
Left In: 10816.337+/-1.822 χ^2/NDF:1196824.5/22

+ sign 10086.379+/-1.421 χ^2/NDF: 2031873.2/41

All: 9912.892+/-0.985 χ^2/NDF: 4989154.1/84

- sign 9752.100+/-1.368 χ^2/NDF: 2928541.6/42

asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 6907.344+/-3242.488 χ^2/NDF: 15.1/17

Left Out: 3119.161+/-2542.855 χ^2/NDF:27.4/23

Right Out: -6306.680+/-3113.948 χ^2/NDF: 20.9/19

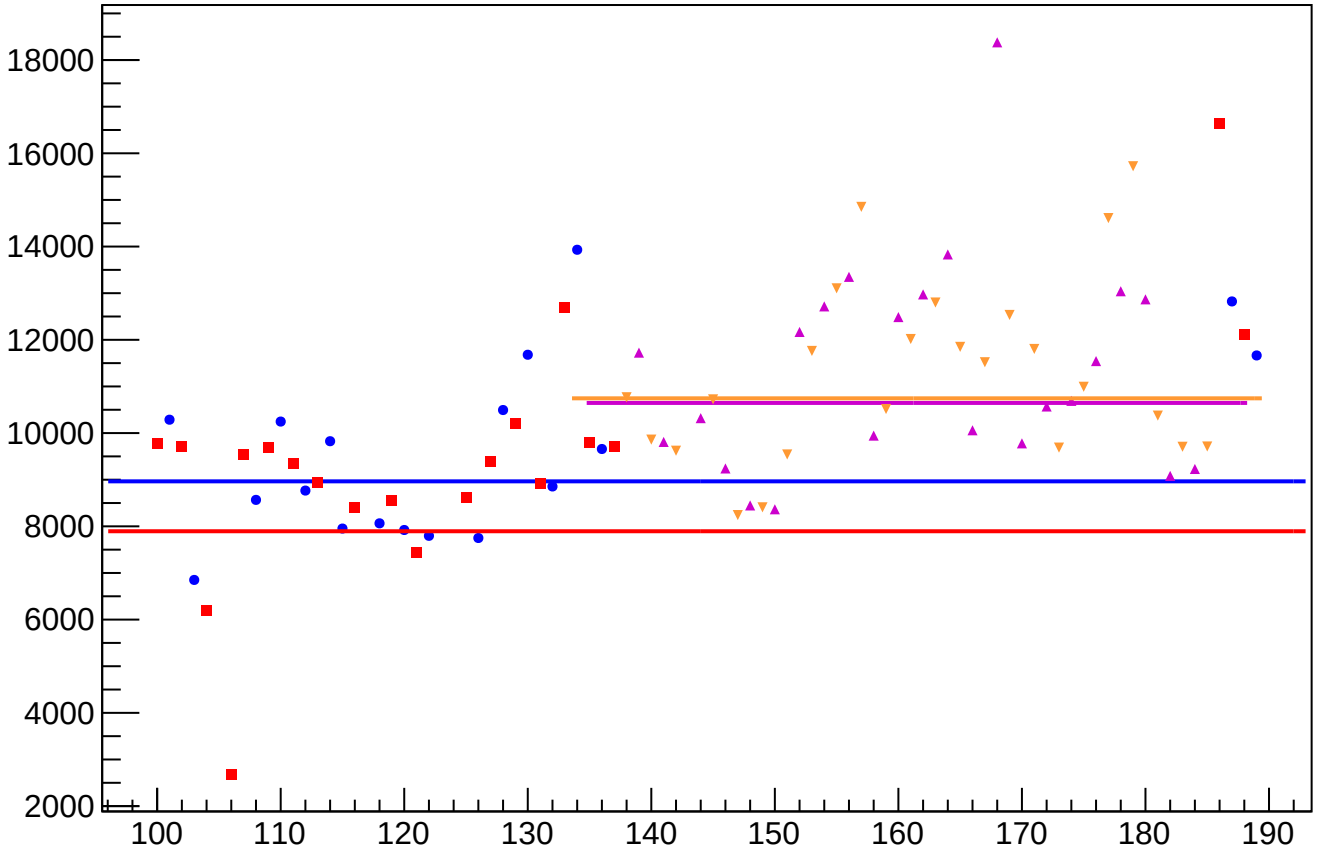
Left In: -5290.718+/-2532.995 χ^2/NDF:13.3/22

+ sign 4561.744+/-2000.936 χ^2/NDF: 43.4/41

All: -659.714+/-1401.995 χ^2/NDF: 91.1/84

- sign -5695.272+/-1964.993 χ^2/NDF: 34.3/42

asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 8964.923+/-2.293 χ^2/NDF: 489303.4/17

Left Out: 10745.331+/-1.798 χ^2/NDF:964618.1/23

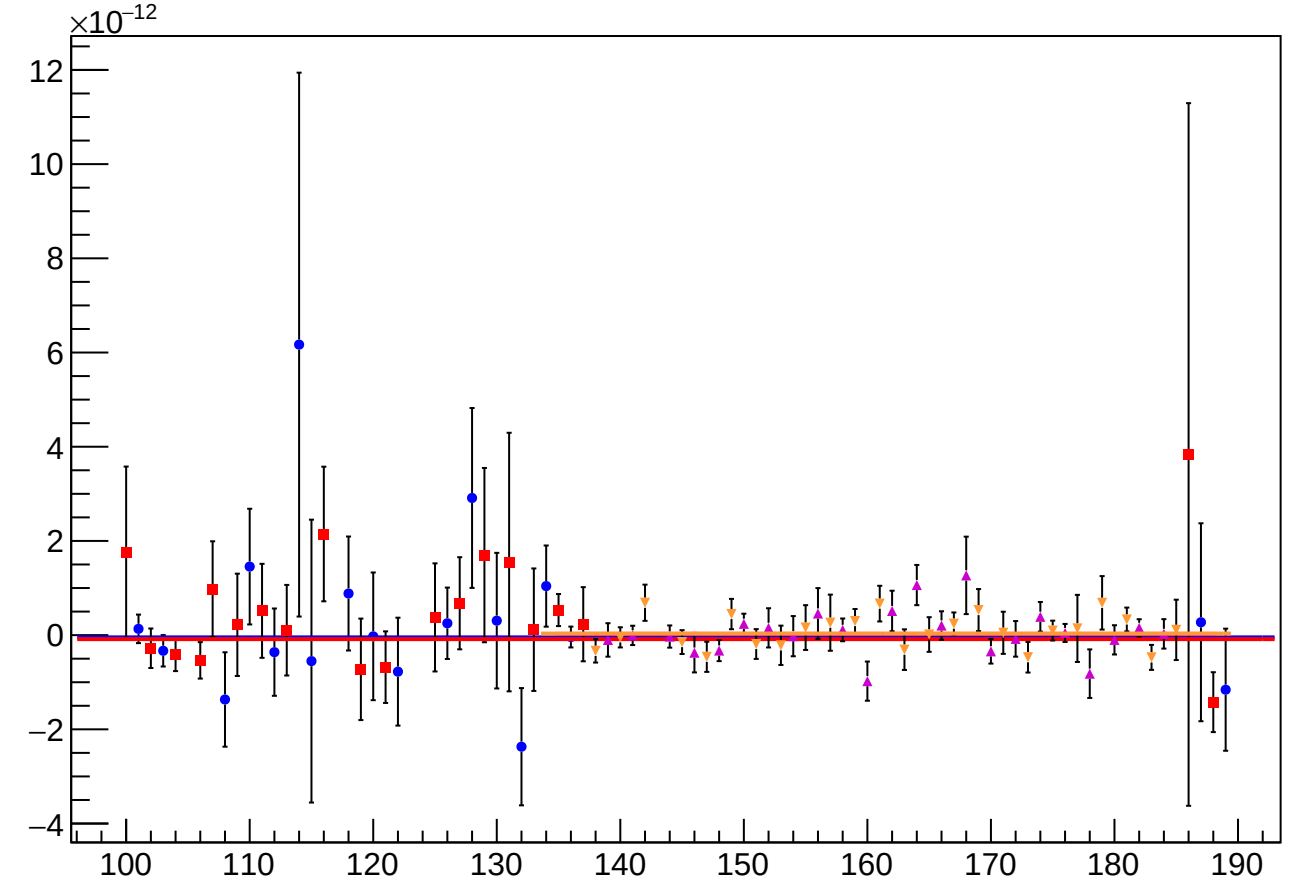
Right Out: 7894.660+/-2.055 χ^2/NDF: 2145309.6/19

Left In: 10646.477+/-1.791 χ^2/NDF:1114064.0/22

+ sign 10067.322+/-1.415 χ^2/NDF: 1827293.1/41

All: 9748.669+/-0.977 χ^2/NDF: 6202639.8/84

- sign 9458.473+/-1.350 χ^2/NDF: 4278430.6/42



Right In: -0.000+/-0.000 χ^2/NDF: 15.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:26.3/23

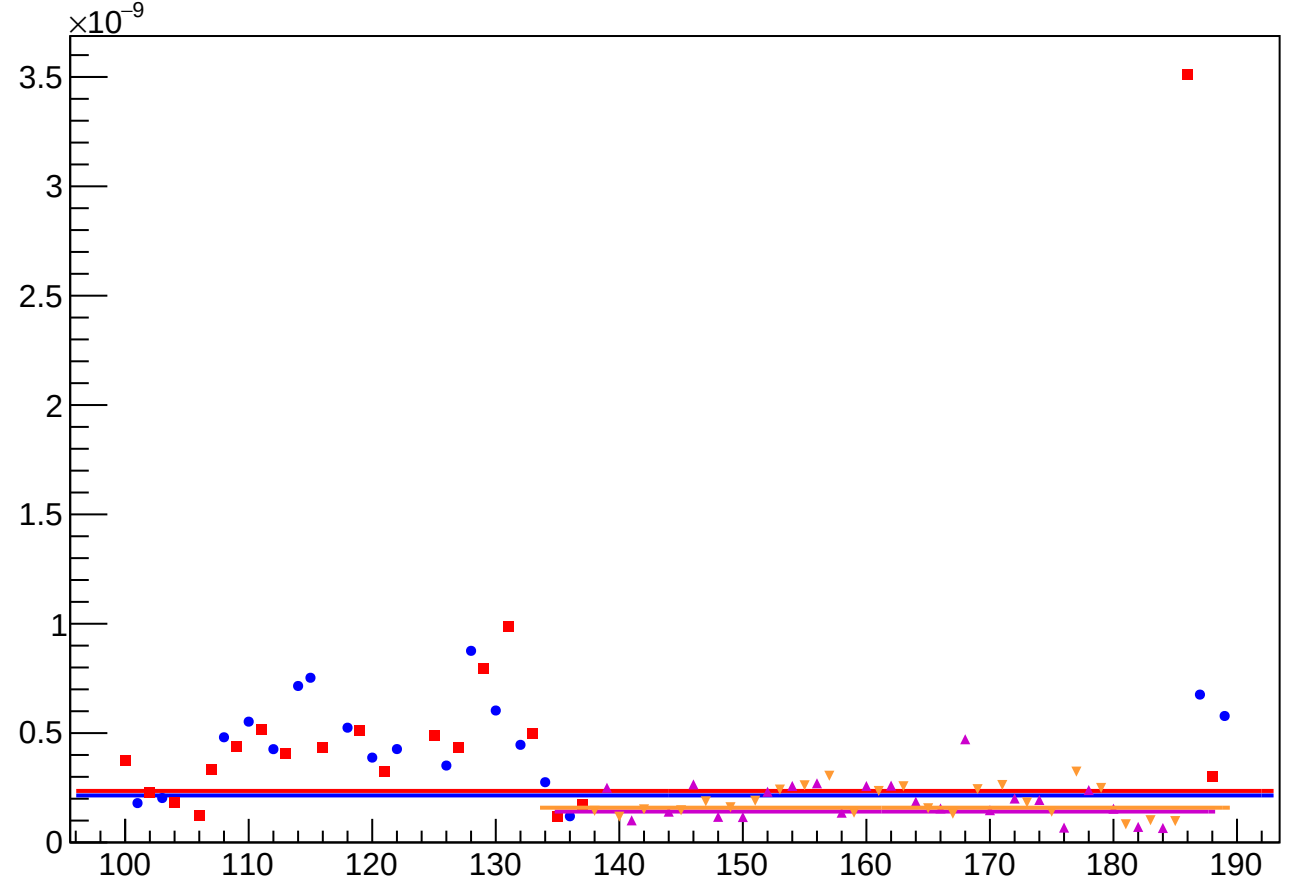
Right Out: -0.000+/-0.000 χ^2/NDF: 18.7/19

Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.6/41

All: 0.000+/-0.000 χ^2/NDF: 88.6/84

- sign 0.000+/-0.000 χ^2/NDF: 47.0/42



Right In: 0.000+/-0.000 χ^2/NDF: 1889810.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:1297018.7/23

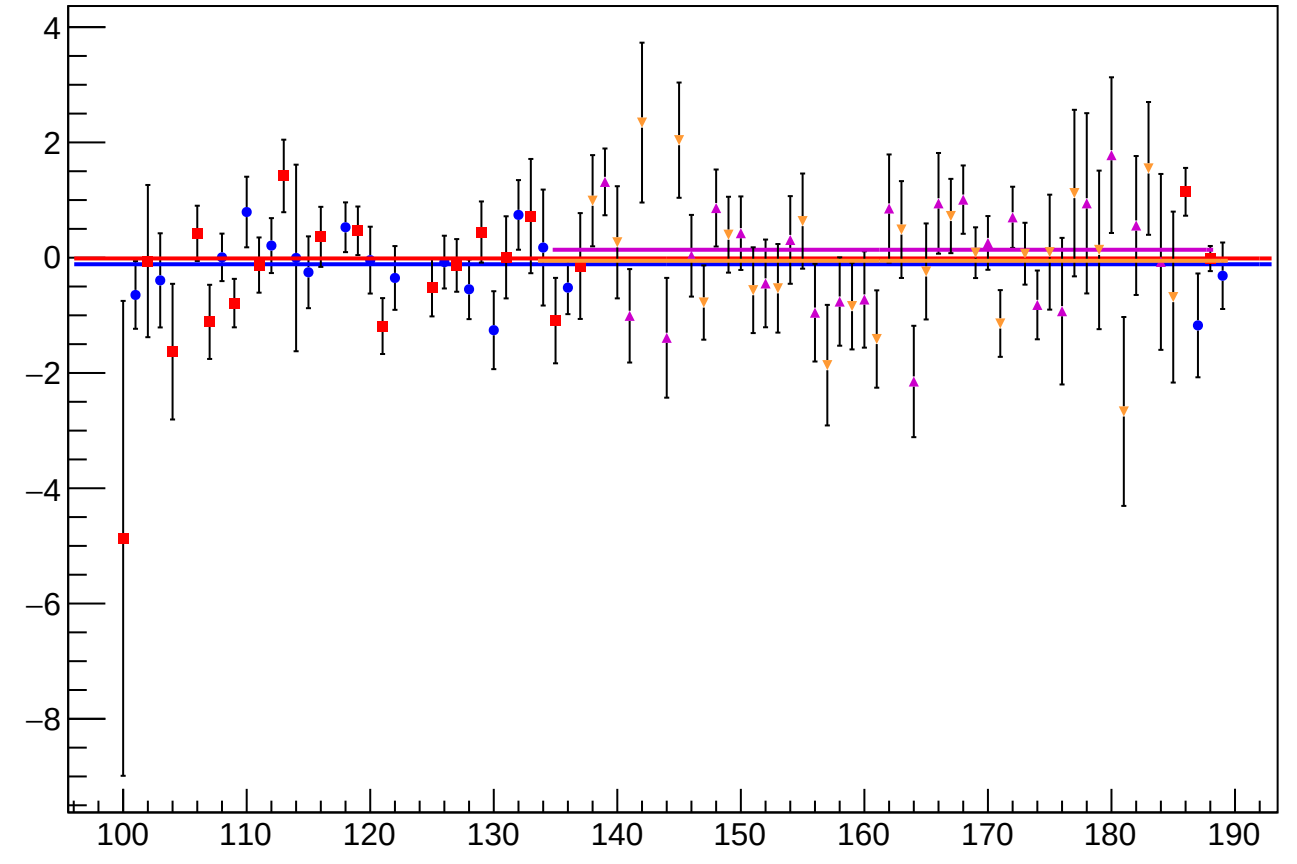
Right Out: 0.000+/-0.000 χ^2/NDF: 1969344.7/19

Left In: 0.000+/-0.000 χ^2/NDF:2396288.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 3447988.6/41

All: 0.000+/-0.000 χ^2/NDF: 8541808.5/84

- sign 0.000+/-0.000 χ^2/NDF: 5029810.8/42



Right In: -0.114+/-0.134 χ^2/NDF: 14.1/17

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

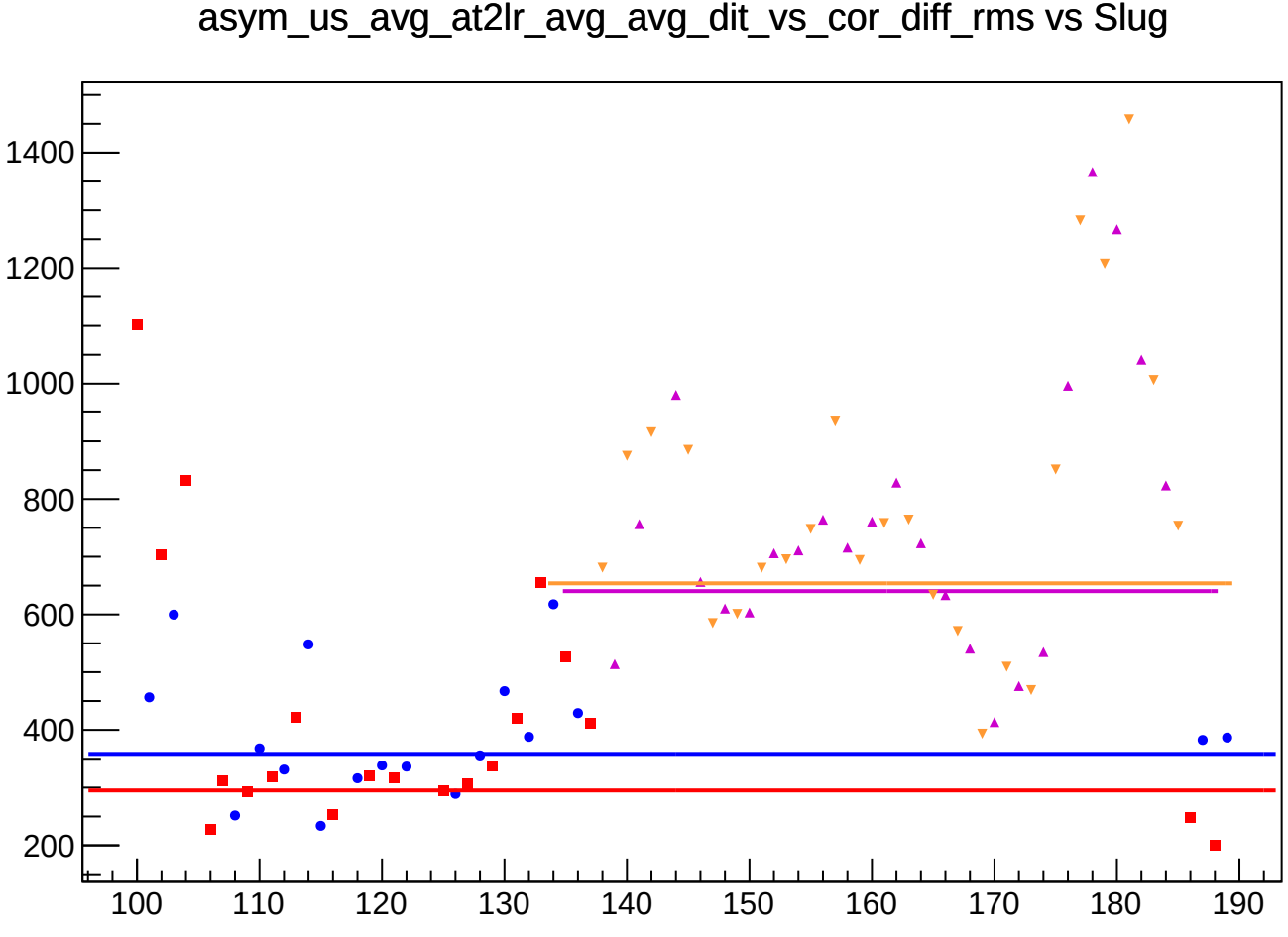
Right Out: -0.013+/-0.112 χ^2/NDF: 35.6/19

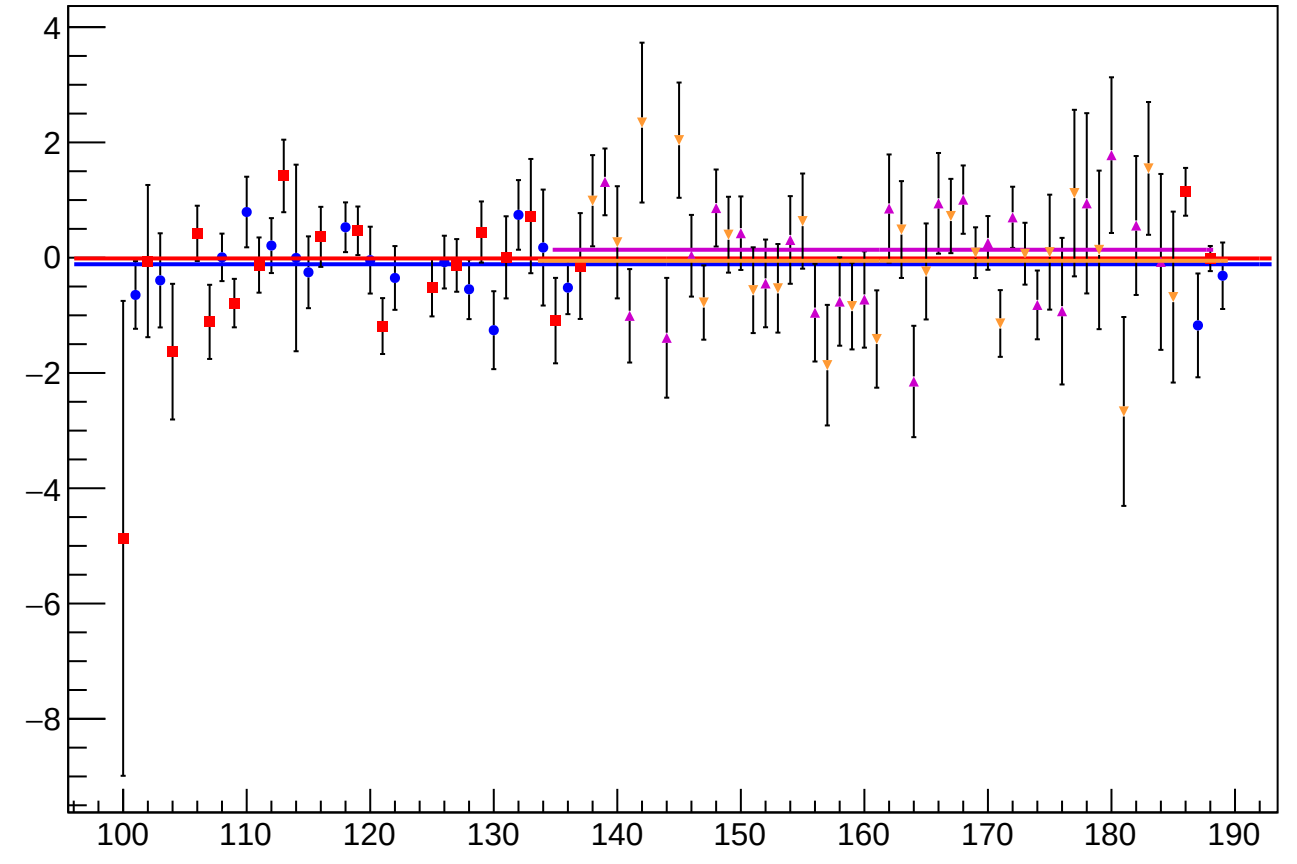
Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.089+/-0.103 χ^2/NDF: 44.3/41

All: -0.018+/-0.068 χ^2/NDF: 111.3/84

- sign 0.038+/-0.091 χ^2/NDF: 66.2/42


asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs Slug
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
180
190
Right In: 358.438+/-0.095 χ²/NDF: 791880.3/17
Left Out: 653.930+/-0.114 χ²/NDF:3124472.6/23
Right Out: 295.100+/-0.079 χ²/NDF: 1807733.8/19
Left In: 640.392+/-0.112 χ²/NDF:2647967.4/22
+ sign 479.536+/-0.073 χ²/NDF: 7876337.3/41
All: 441.146+/-0.048 χ²/NDF: 19180892.8/84
- sign 411.030+/-0.065 χ²/NDF: 10811417.2/42



Right In: -0.114+/-0.134 χ^2/NDF: 14.1/17

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

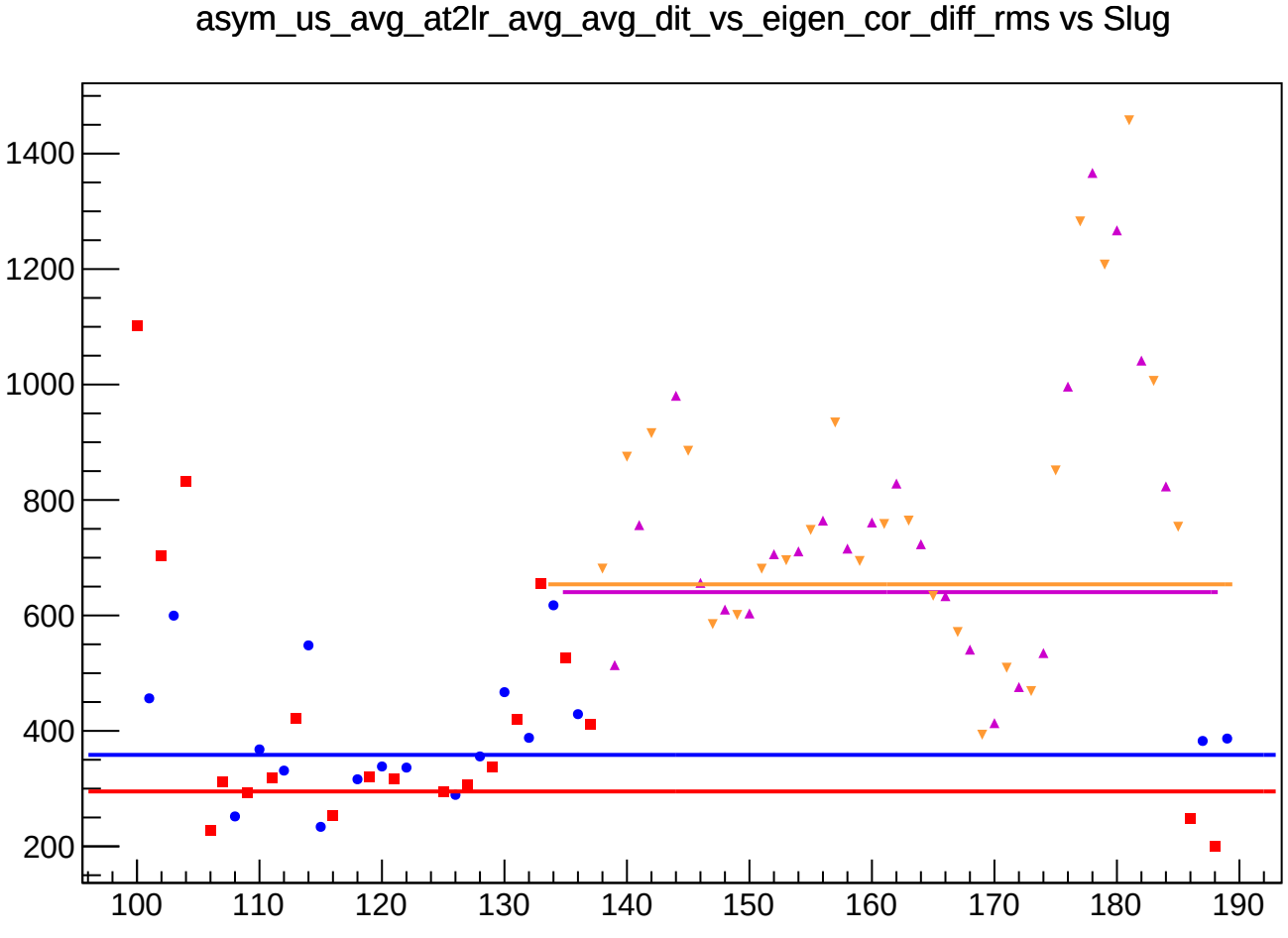
Right Out: -0.013+/-0.112 χ^2/NDF: 35.6/19

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.089+/-0.103 χ^2/NDF: 44.3/41

All: -0.018+/-0.068 χ^2/NDF: 111.3/84

- sign 0.038+/-0.091 χ^2/NDF: 66.2/42



Right In: 358.438+/-0.095 χ^2/NDF: 791880.3/17

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

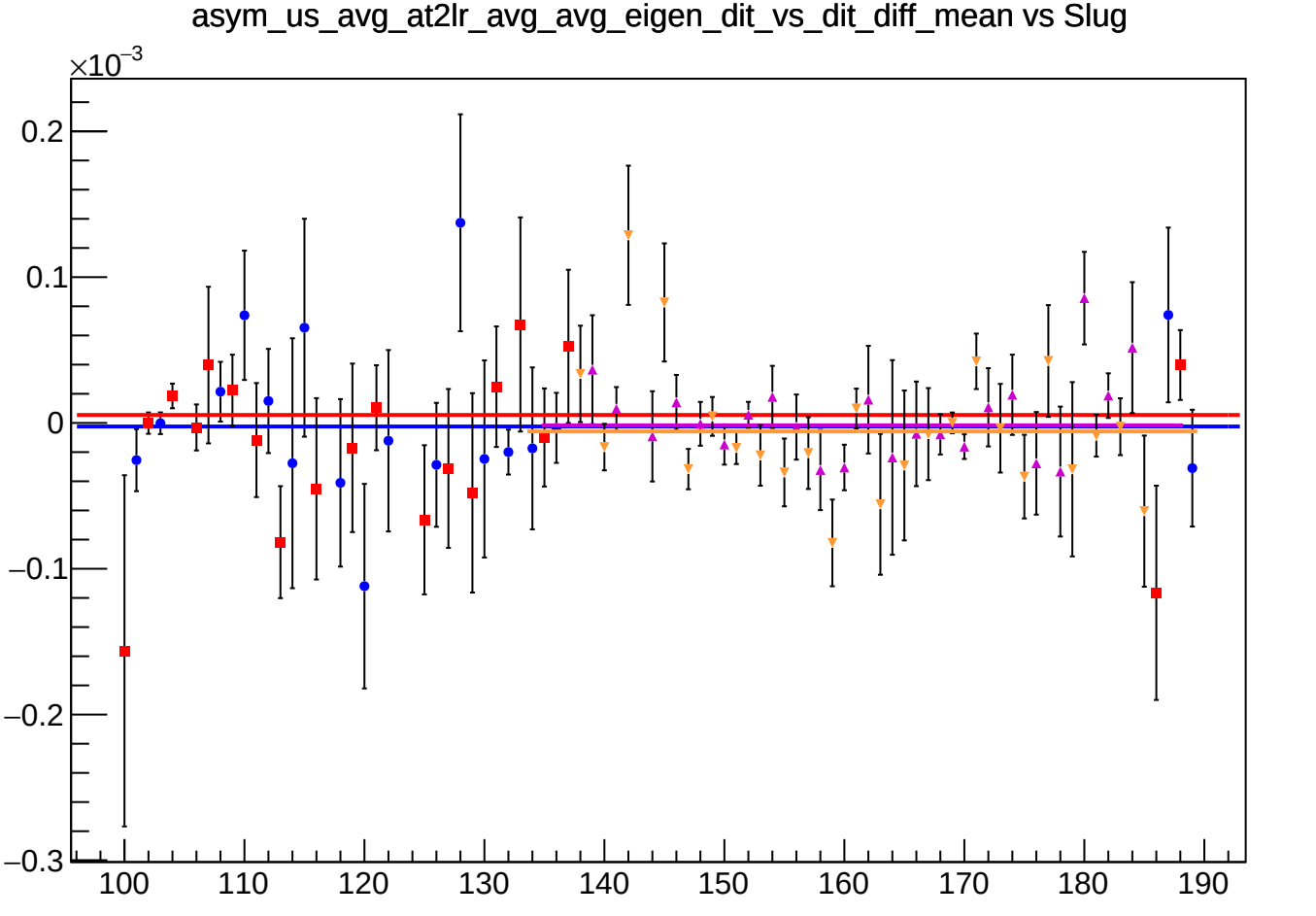
Right Out: 295.100+/-0.079 χ^2/NDF: 1807733.8/19

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

+ sign 479.536+/-0.073 χ^2/NDF: 7876337.3/41

All: 441.146+/-0.048 χ^2/NDF: 19180892.8/84

- sign 411.030+/-0.065 χ^2/NDF: 10811417.2/42



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/17

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/23

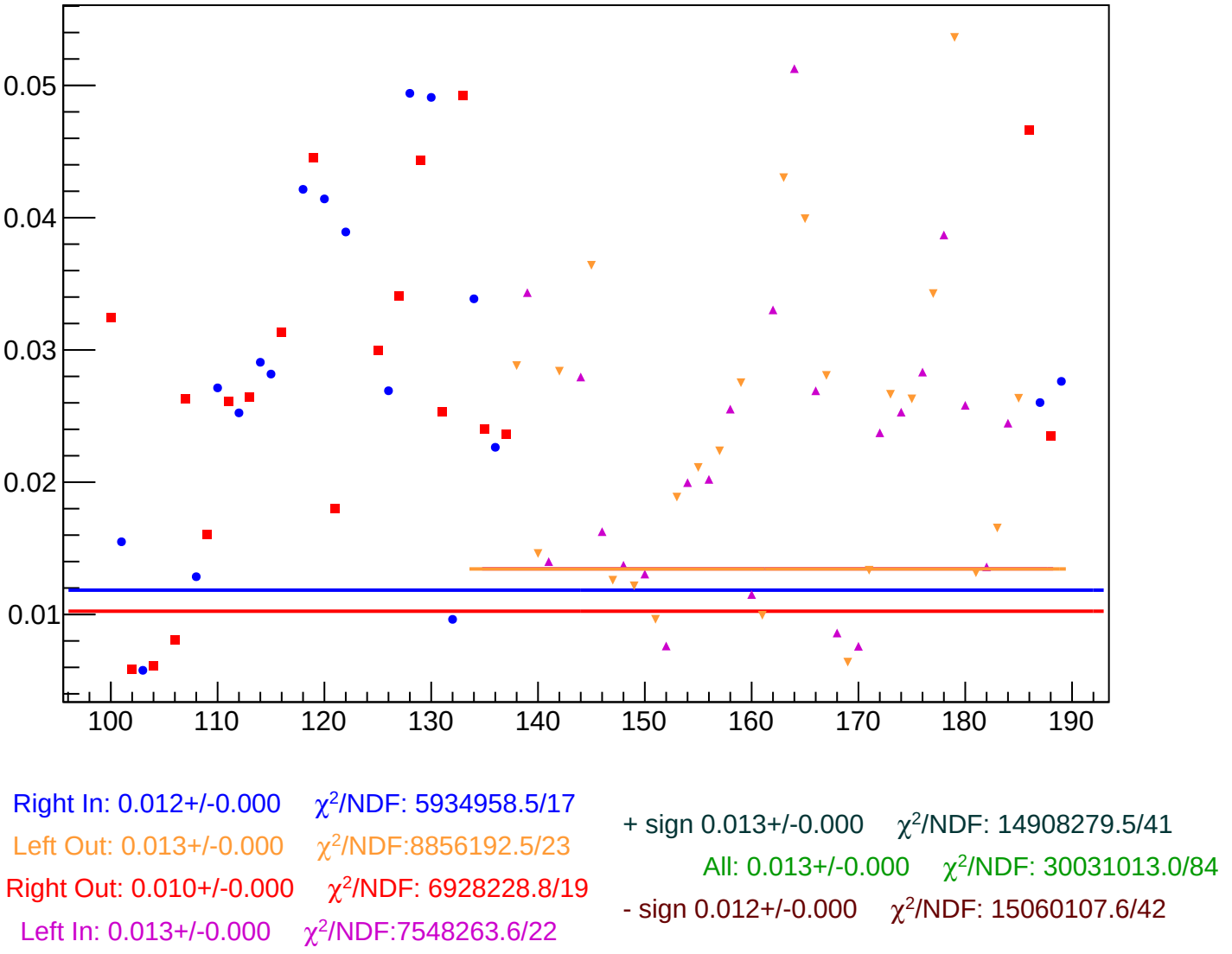
Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/19

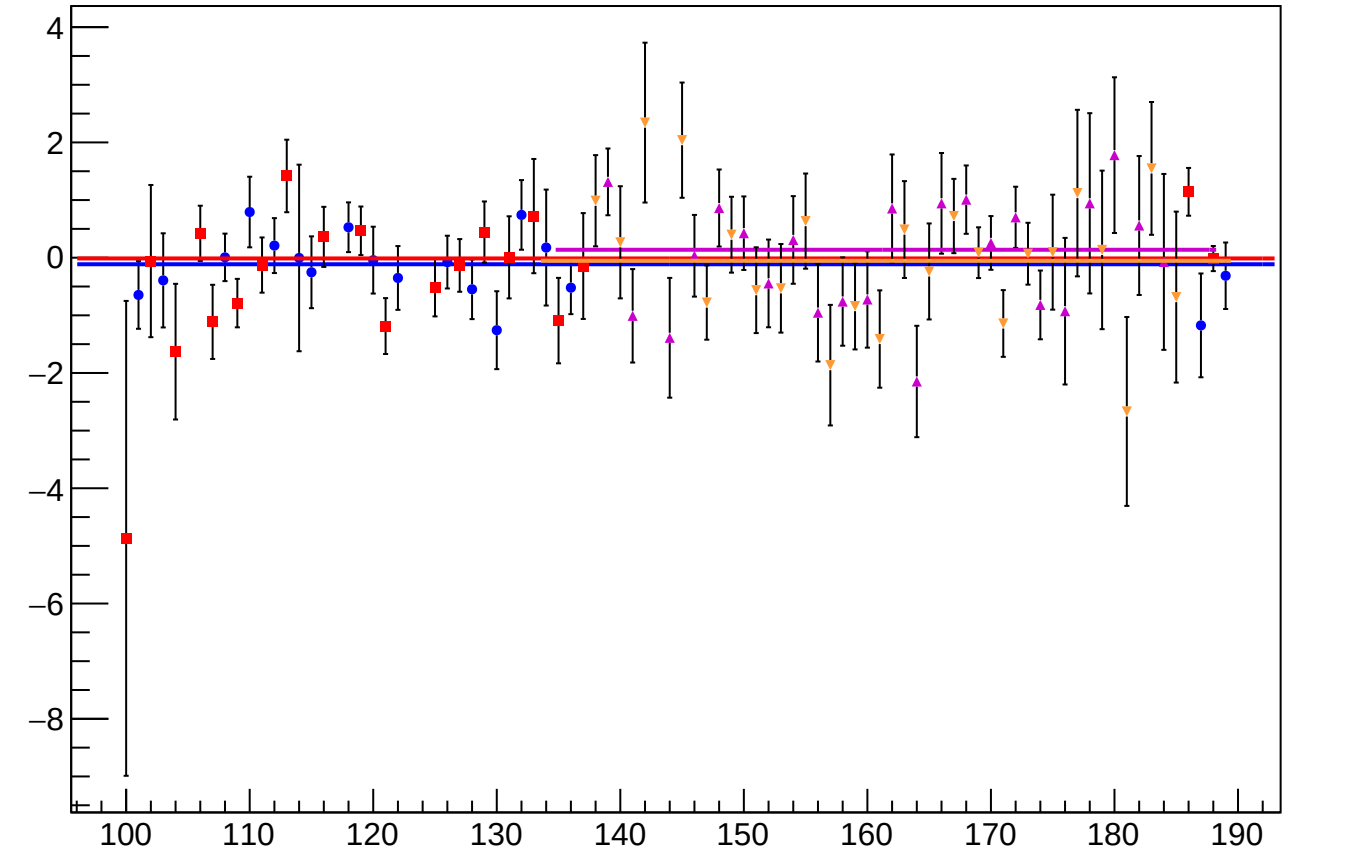
Left In: -0.000+/-0.000 χ^2/NDF:25.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.0/41

All: -0.000+/-0.000 χ^2/NDF: 110.9/84

- sign 0.000+/-0.000 χ^2/NDF: 49.0/42


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.05
0.04
0.03
0.02
0.01
100
110
120
130
140
150
160
170
180
190
Right In: 0.012+/-0.000 χ²/NDF: 5934958.5/17
Left Out: 0.013+/-0.000 χ²/NDF:8856192.5/23
Right Out: 0.010+/-0.000 χ²/NDF: 6928228.8/19
Left In: 0.013+/-0.000 χ²/NDF:7548263.6/22
+ sign 0.013+/-0.000 χ²/NDF: 14908279.5/41
All: 0.013+/-0.000 χ²/NDF: 30031013.0/84
- sign 0.012+/-0.000 χ²/NDF: 15060107.6/42



Right In: -0.114+/-0.134 χ^2/NDF: 14.1/17

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

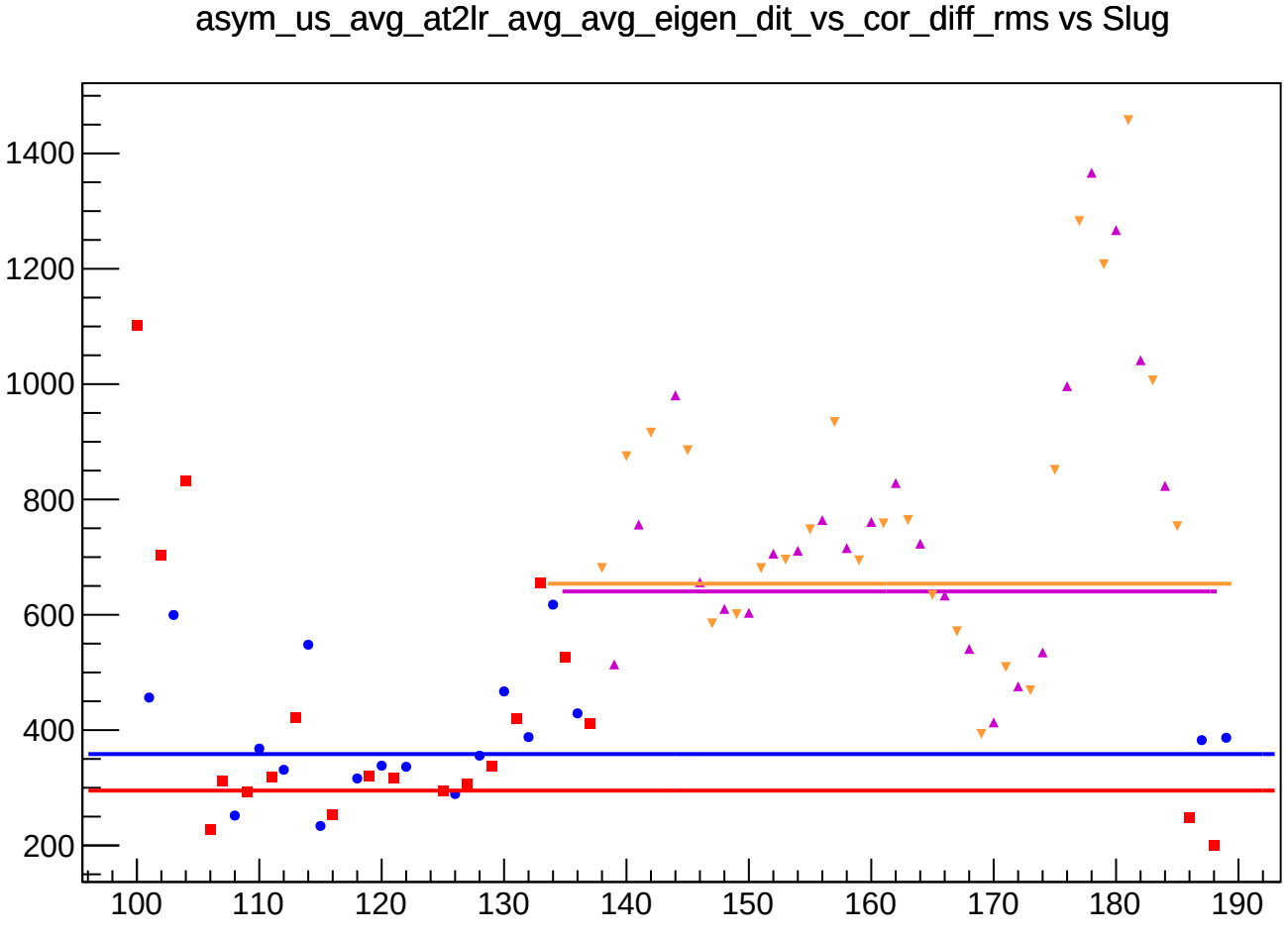
Right Out: -0.013+/-0.112 χ^2/NDF: 35.6/19

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.089+/-0.103 χ^2/NDF: 44.3/41

All: -0.018+/-0.068 χ^2/NDF: 111.3/84

- sign 0.038+/-0.091 χ^2/NDF: 66.2/42



Right In: 358.438+/-0.095 χ^2/NDF: 791851.2/17

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

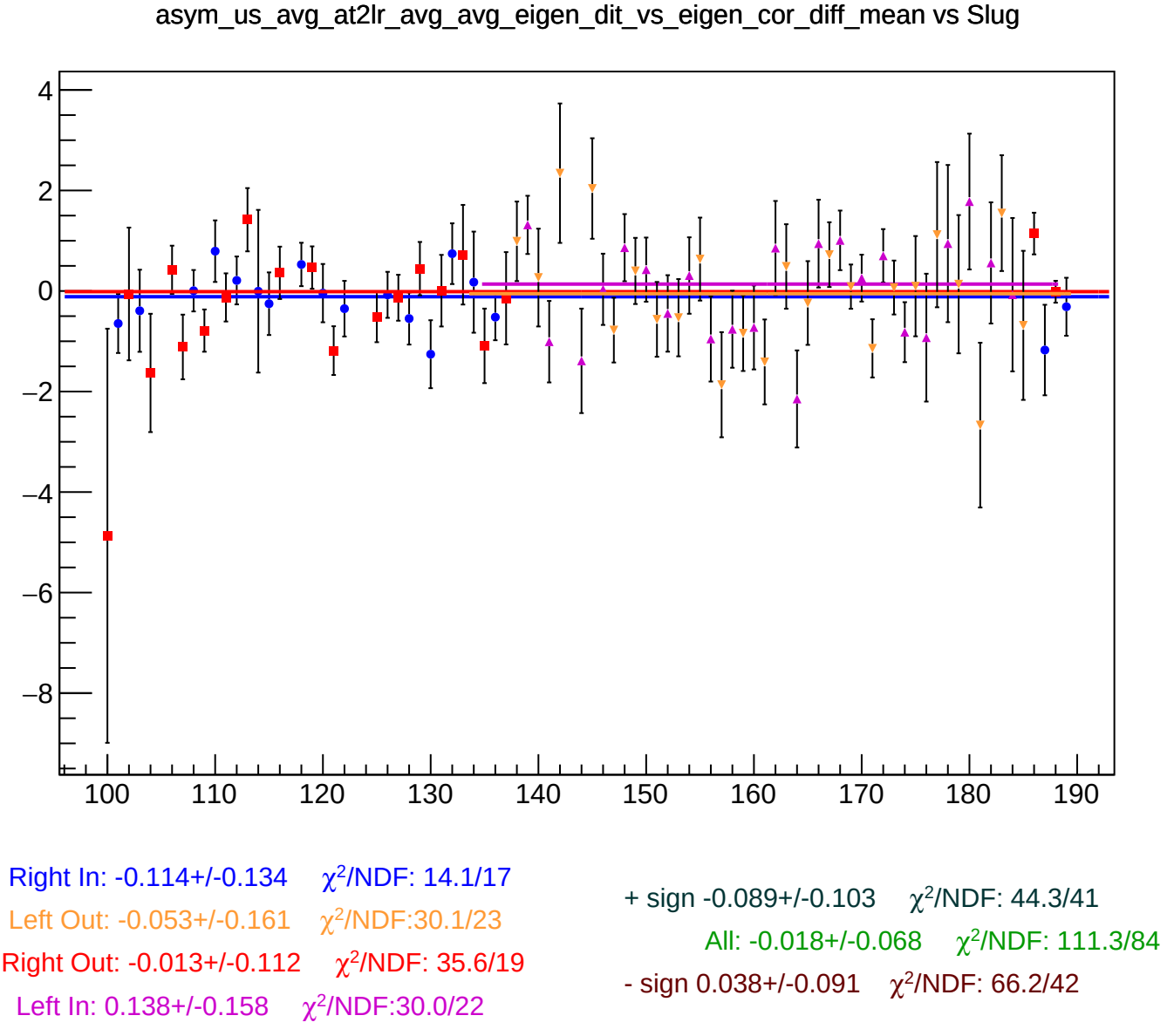
Right Out: 295.093+/-0.079 χ^2/NDF: 1807829.5/19

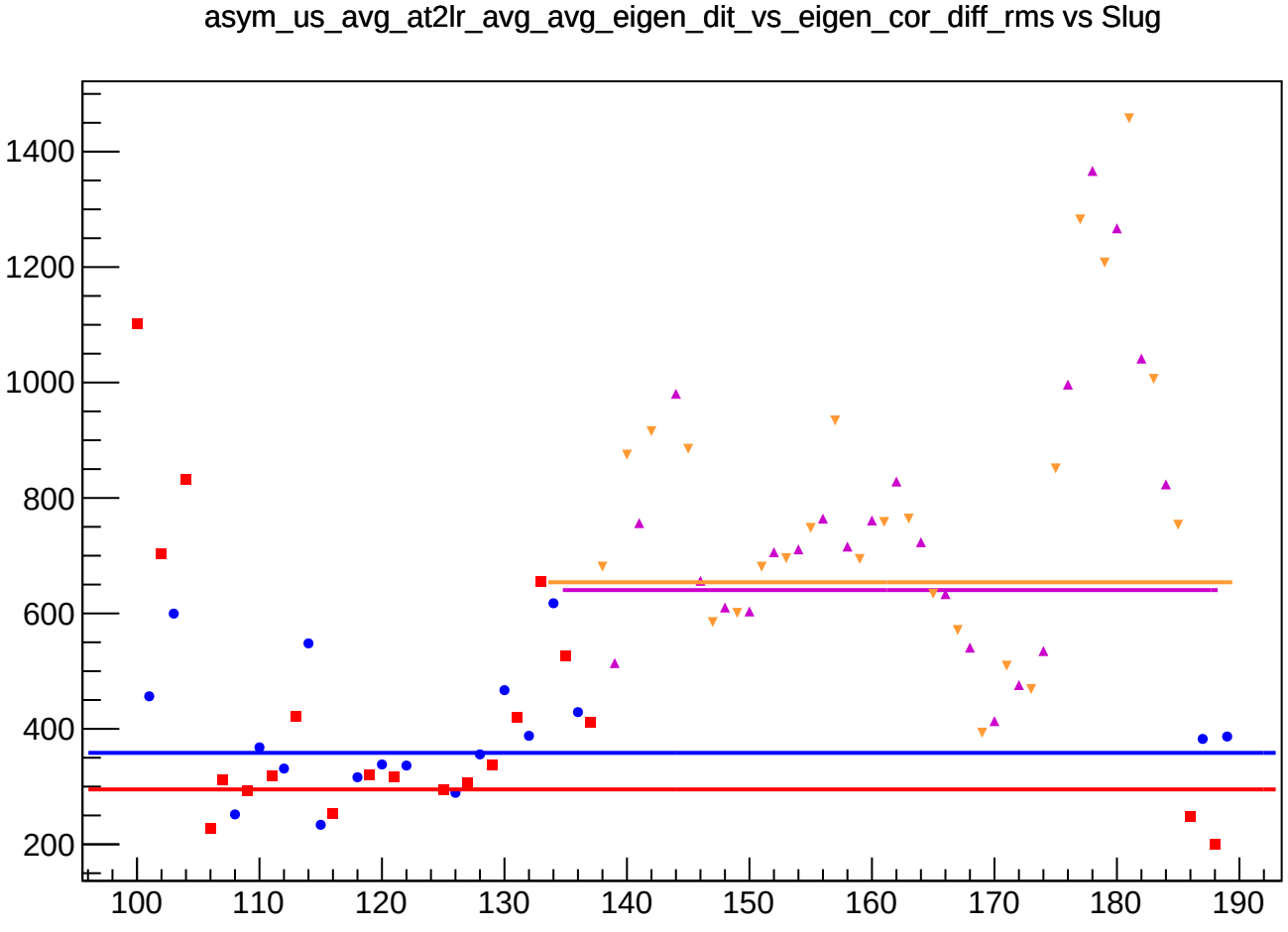
Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

+ sign 479.535+/-0.073 χ^2/NDF: 7876548.8/41

All: 441.141+/-0.048 χ^2/NDF: 19181864.0/84

- sign 411.022+/-0.065 χ^2/NDF: 10812072.0/42


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
4
2
0
−2
−4
−6
−8
100
110
120
130
140
150
160
170
180
190
Right In: -0.114+/-0.134 χ²/NDF: 14.1/17
Left Out: -0.053+/-0.161 χ²/NDF:30.1/23
Right Out: -0.013+/-0.112 χ²/NDF: 35.6/19
Left In: 0.138+/-0.158 χ²/NDF:30.0/22
+ sign -0.089+/-0.103 χ²/NDF: 44.3/41
All: -0.018+/-0.068 χ²/NDF: 111.3/84
- sign 0.038+/-0.091 χ²/NDF: 66.2/42



Right In: 358.438+/-0.095 χ^2/NDF: 791851.2/17

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

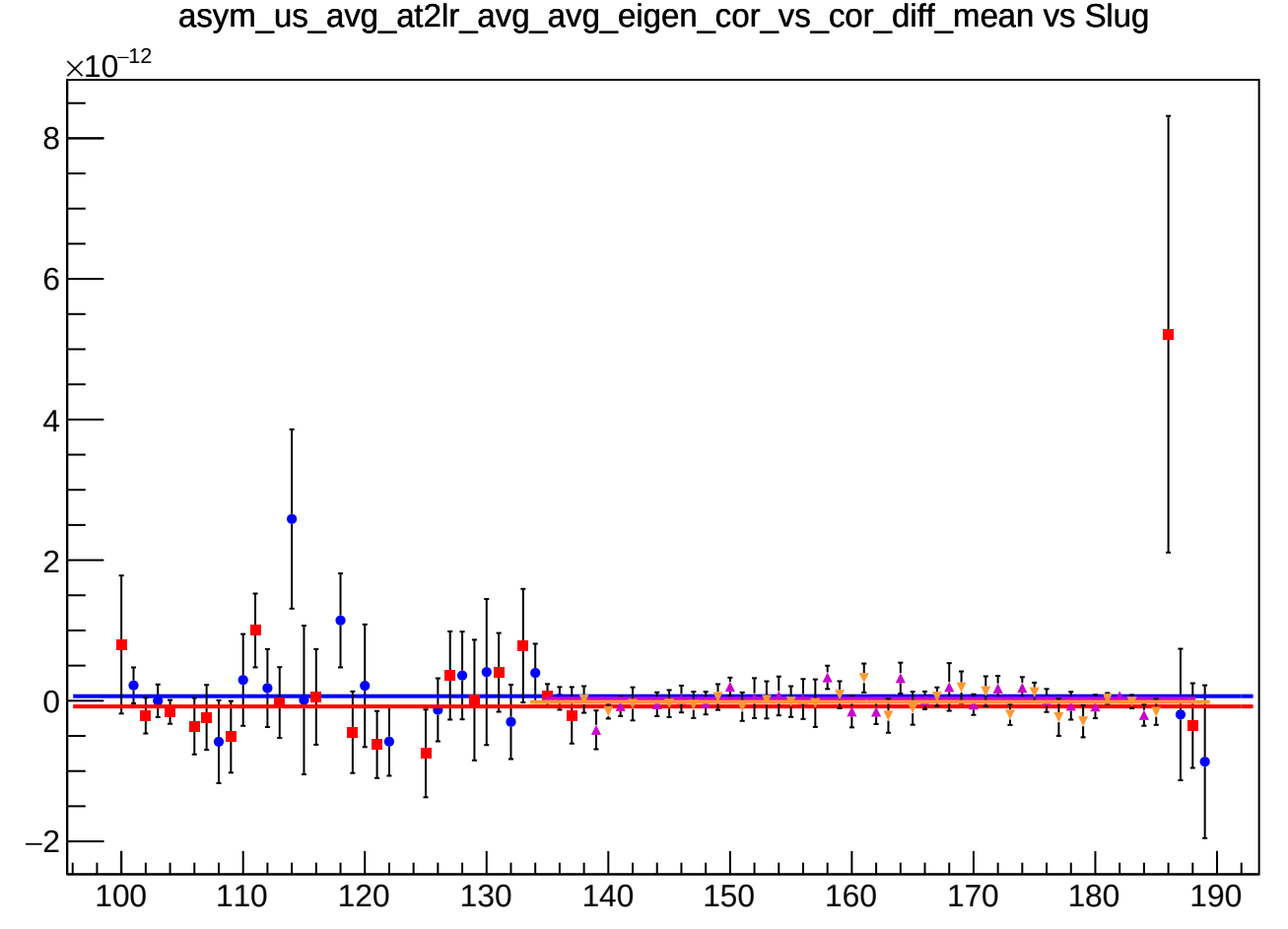
Right Out: 295.093+/-0.079 χ^2/NDF: 1807829.5/19

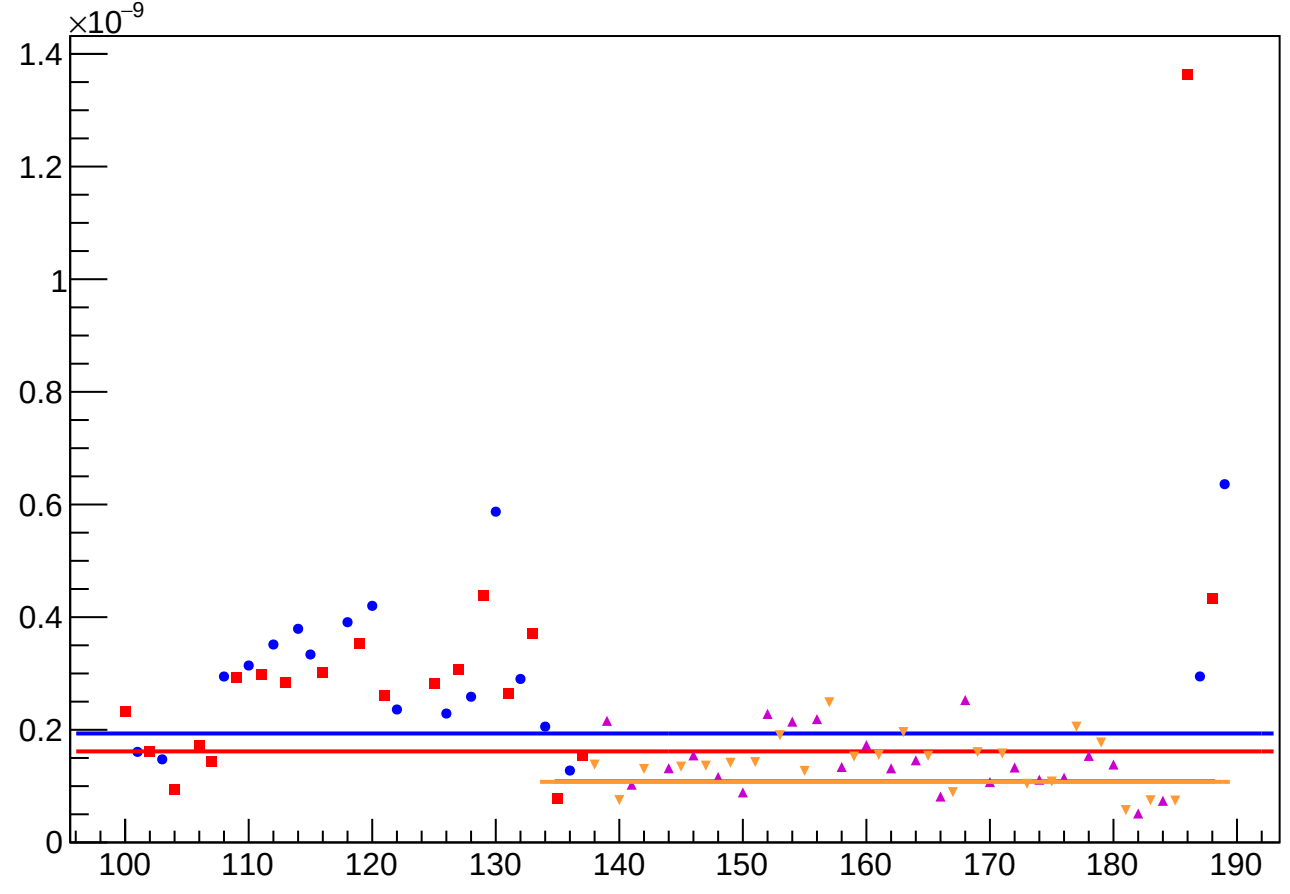
Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

+ sign 479.535+/-0.073 χ^2/NDF: 7876548.8/41

All: 441.141+/-0.048 χ^2/NDF: 19181864.0/84

- sign 411.022+/-0.065 χ^2/NDF: 10812072.0/42


asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
8
6
4
2
0
−2
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 12.6/17
Left Out: -0.000+/-0.000 χ²/NDF:13.1/23
Right Out: -0.000+/-0.000 χ²/NDF: 16.2/19
Left In: 0.000+/-0.000 χ²/NDF:17.9/22
+ sign -0.000+/-0.000 χ²/NDF: 26.4/41
All: 0.000+/-0.000 χ²/NDF: 62.1/84
- sign 0.000+/-0.000 χ²/NDF: 35.5/42



Right In: 0.000+/-0.000 χ^2/NDF: 1879961.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:3452023.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2917442.0/19

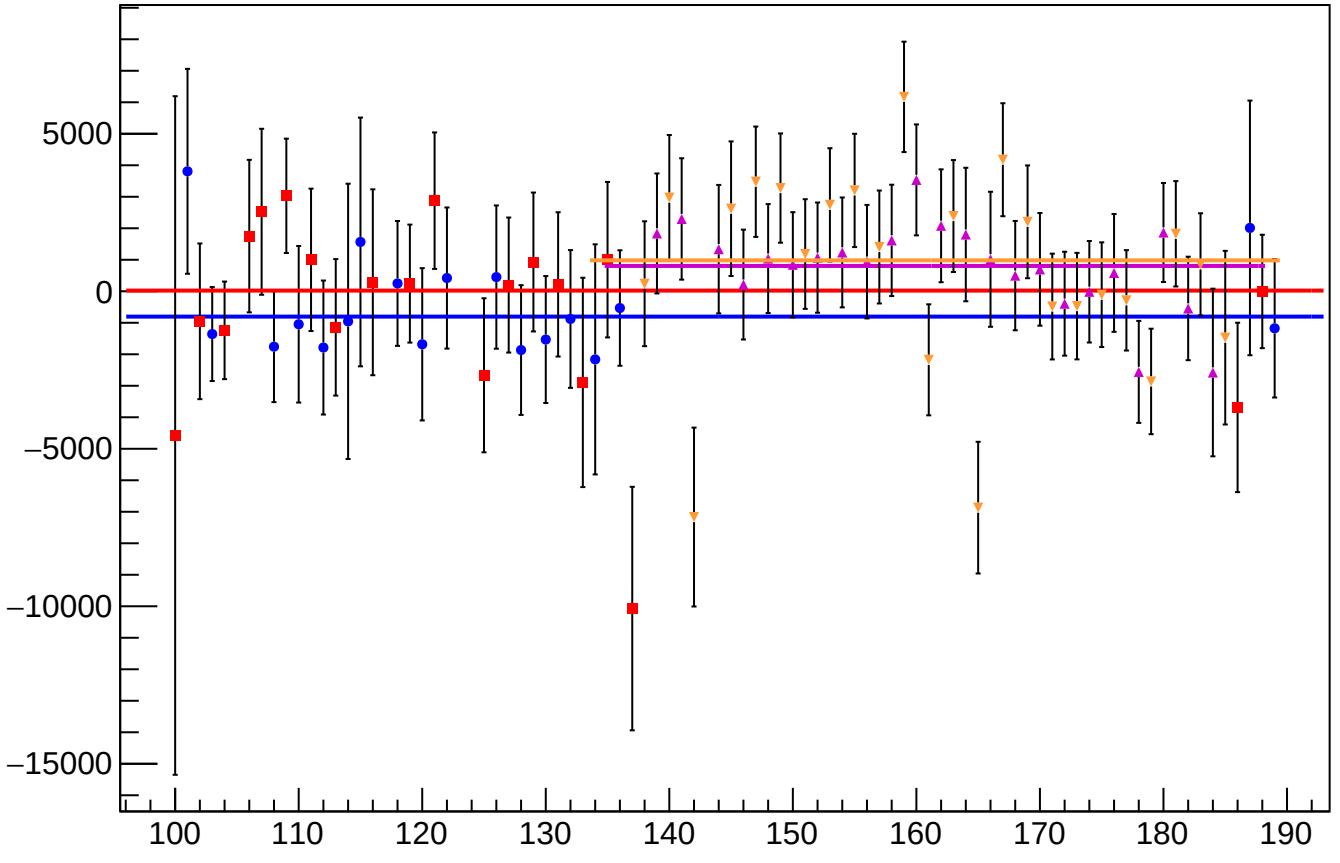
Left In: 0.000+/-0.000 χ^2/NDF:3869719.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 6775558.7/41

All: 0.000+/-0.000 χ^2/NDF: 14250048.7/84

- sign 0.000+/-0.000 χ^2/NDF: 7472839.1/42

reg_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -804.143+/-533.238 χ^2/NDF: 5.1/17

Left Out: 981.627+/-370.843 χ^2/NDF:55.5/23

Right Out: 21.785+/-514.415 χ^2/NDF: 18.4/19

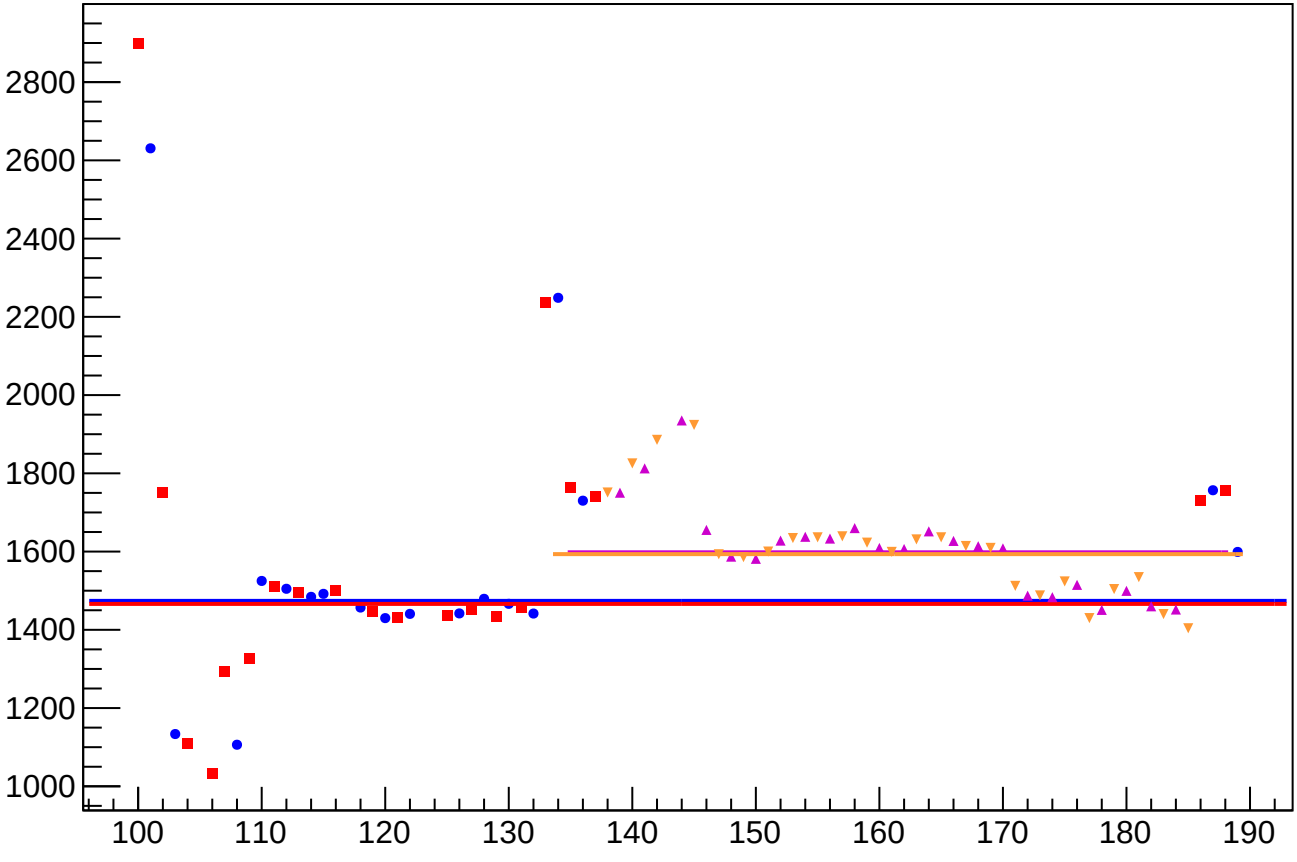
Left In: 803.908+/-374.066 χ^2/NDF:12.4/22

+ sign 399.483+/-304.455 χ^2/NDF: 68.2/41

All: 466.858+/-214.600 χ^2/NDF: 100.7/84

- sign 533.387+/-302.536 χ^2/NDF: 32.4/42

reg_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1473.966+/-0.377 χ^2/NDF: 593168.9/17

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

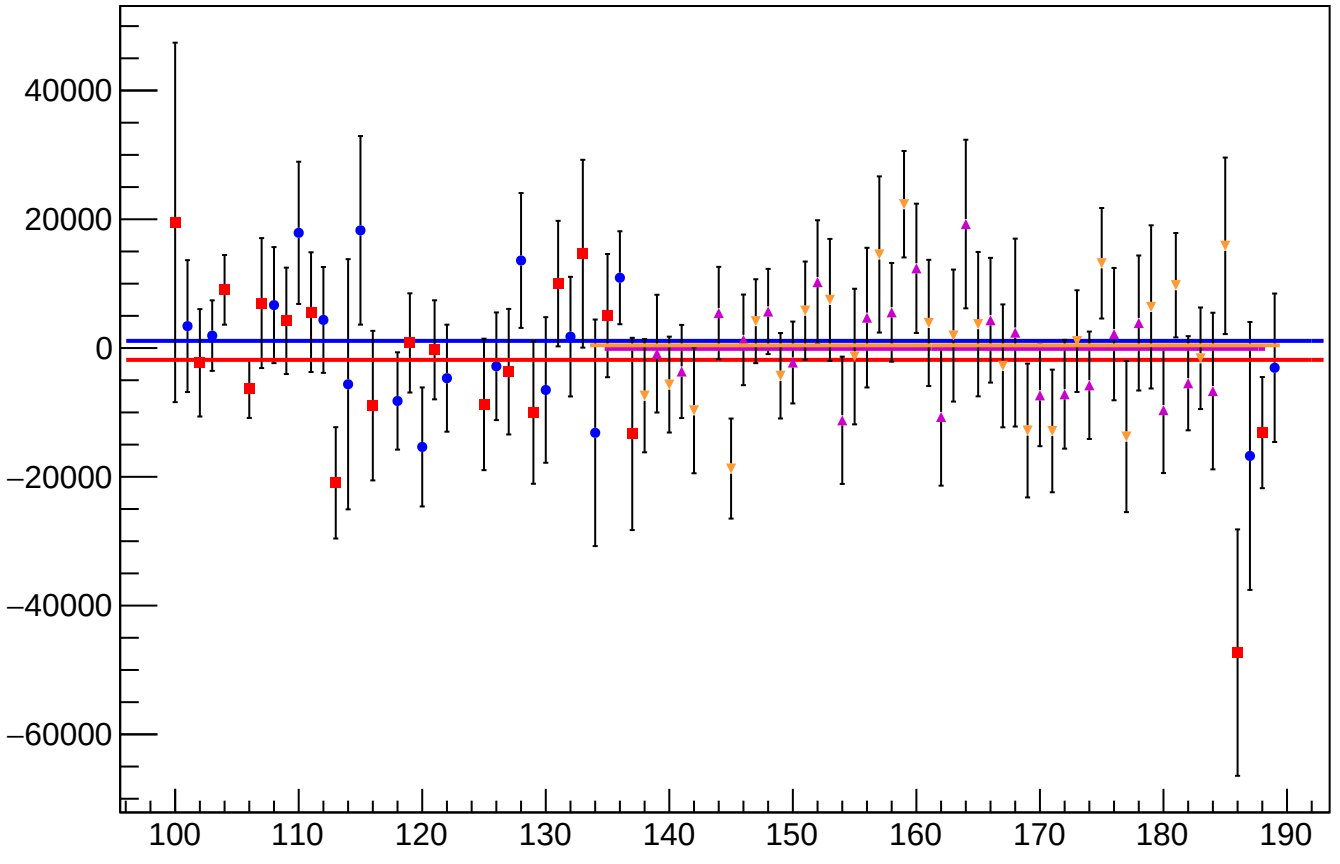
Right Out: 1466.240+/-0.361 χ^2/NDF: 492041.3/19

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1554.521+/-0.215 χ^2/NDF: 848501.5/41

All: 1553.307+/-0.152 χ^2/NDF: 1596482.9/84

- sign 1552.114+/-0.213 χ^2/NDF: 747918.4/42



Right In: 1113.460+/-2212.764 χ^2/NDF: 15.1/17

Left Out: 426.701+/-1819.878 χ^2/NDF:29.4/23

Right Out: -1836.401+/-1948.873 χ^2/NDF: 25.2/19

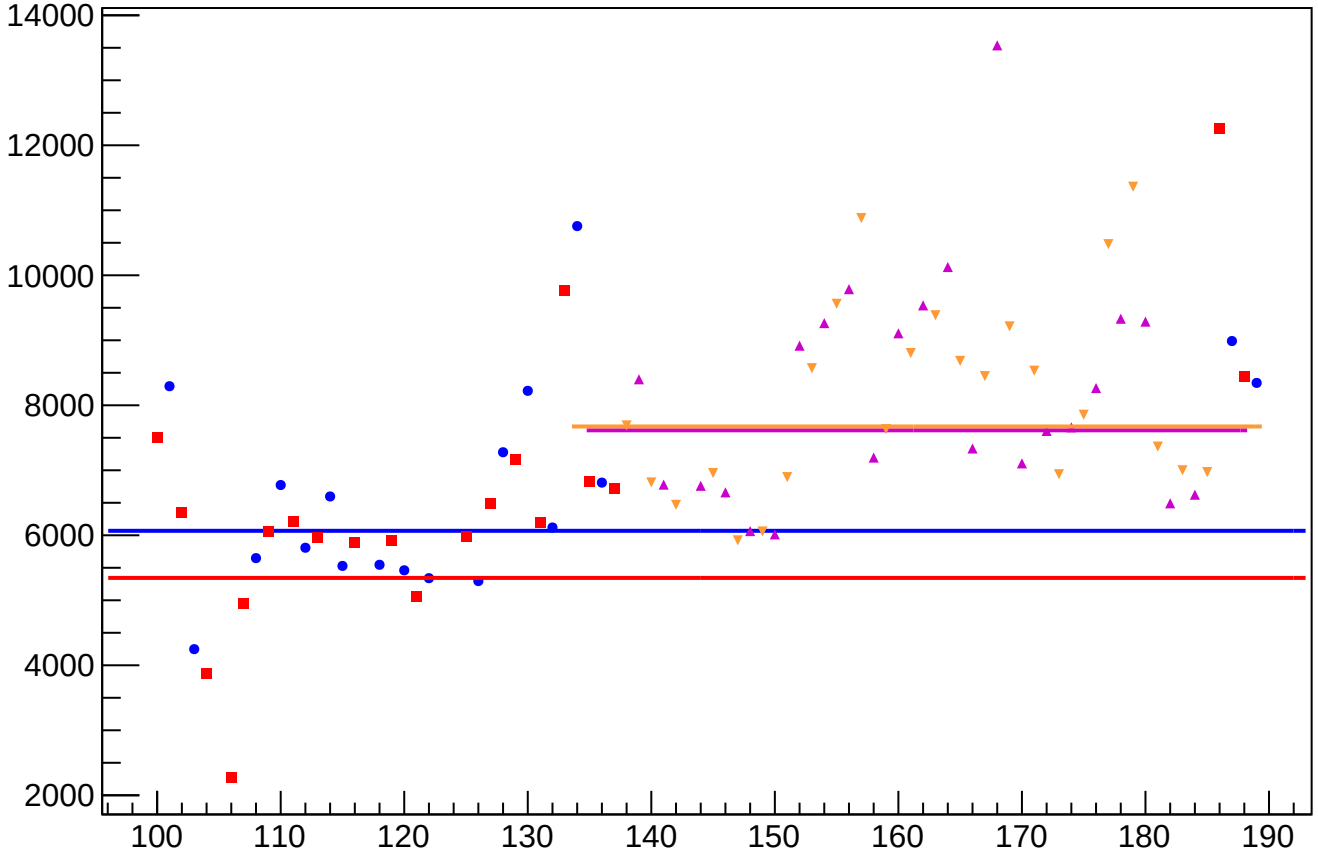
Left In: -126.369+/-1814.830 χ^2/NDF:13.9/22

+ sign 703.801+/-1405.566 χ^2/NDF: 44.5/41

All: -154.349+/-965.349 χ^2/NDF: 84.7/84

- sign -920.560+/-1328.140 χ^2/NDF: 39.5/42

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug



Right In: 6068.814+/-1.565 χ^2/NDF: 764261.1/17

Left Out: 7674.060+/-1.287 χ^2/NDF:1076713.7/23

Right Out: 5344.288+/-1.378 χ^2/NDF: 2029265.8/19

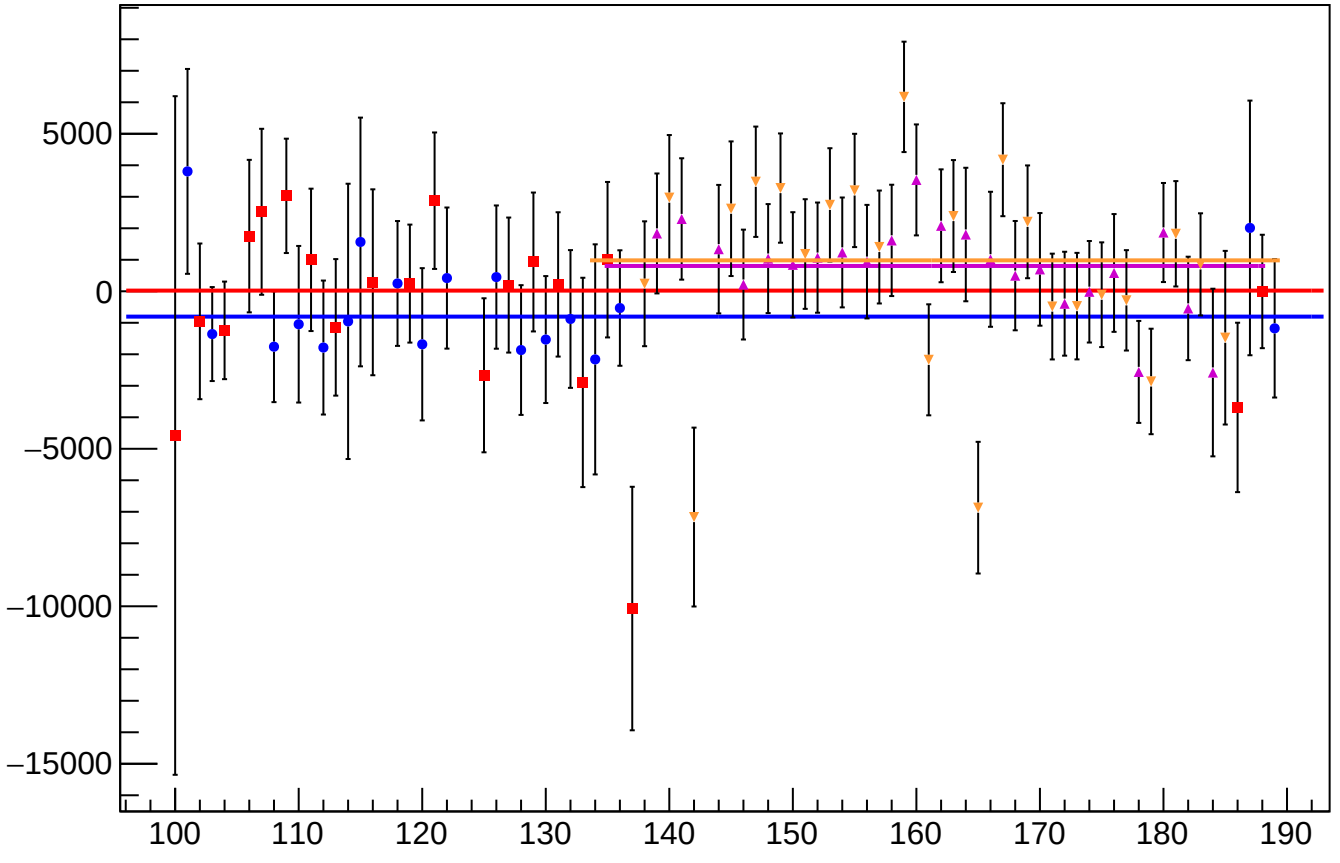
Left In: 7614.974+/-1.283 χ^2/NDF:1224520.2/22

+ sign 7026.360+/-0.994 χ^2/NDF: 2468832.6/41

All: 6780.192+/-0.683 χ^2/NDF: 7292835.0/84

- sign 6560.398+/-0.939 χ^2/NDF: 4707881.8/42

cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -804.238+/-533.238 χ^2/NDF: 5.1/17

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: 21.645+/-514.415 χ^2/NDF: 18.4/19

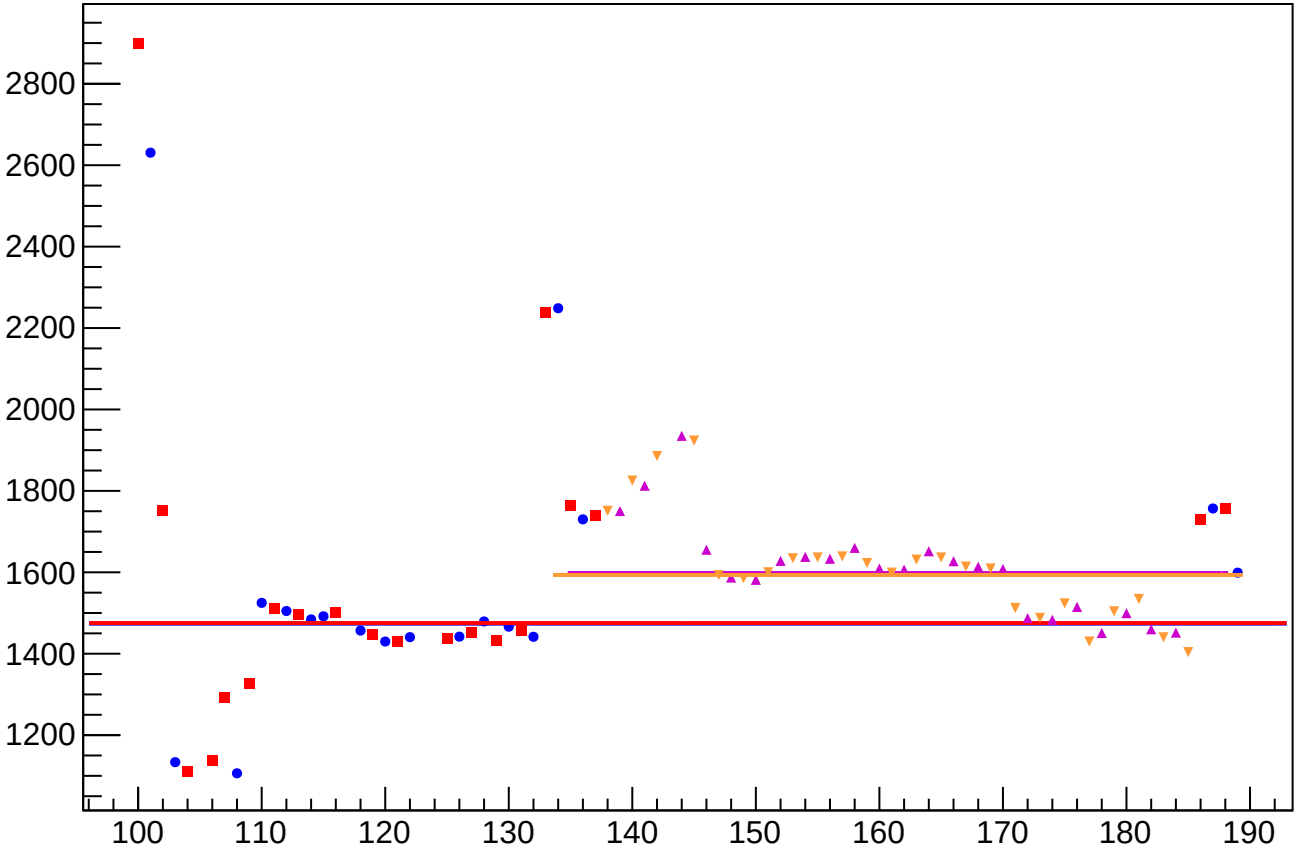
Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

\+ sign 399.509+/-304.455 χ^2/NDF: 68.2/41

All: 466.806+/-214.600 χ^2/NDF: 100.7/84

\- sign 533.257+/-302.536 χ^2/NDF: 32.4/42

cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1473.965+/-0.377 χ^2/NDF: 593169.1/17

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

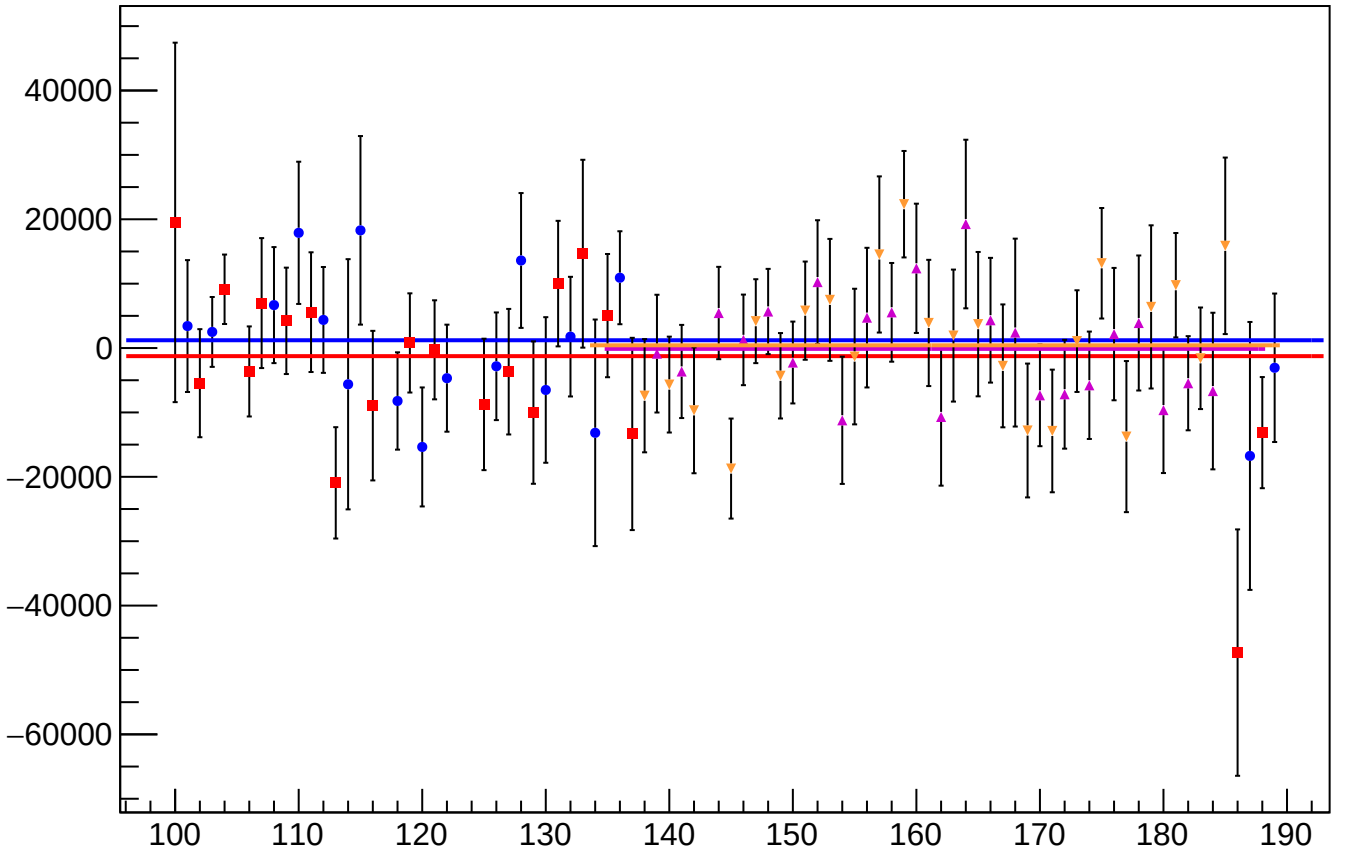
Right Out: 1475.245+/-0.363 χ^2/NDF: 449169.7/19

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1554.521+/-0.215 χ^2/NDF: 848501.9/41

All: 1555.017+/-0.152 χ^2/NDF: 1541677.7/84

- sign 1555.507+/-0.214 χ^2/NDF: 693165.2/42



Right In: 1210.994+/-2209.264 χ^2/NDF: 15.1/17

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

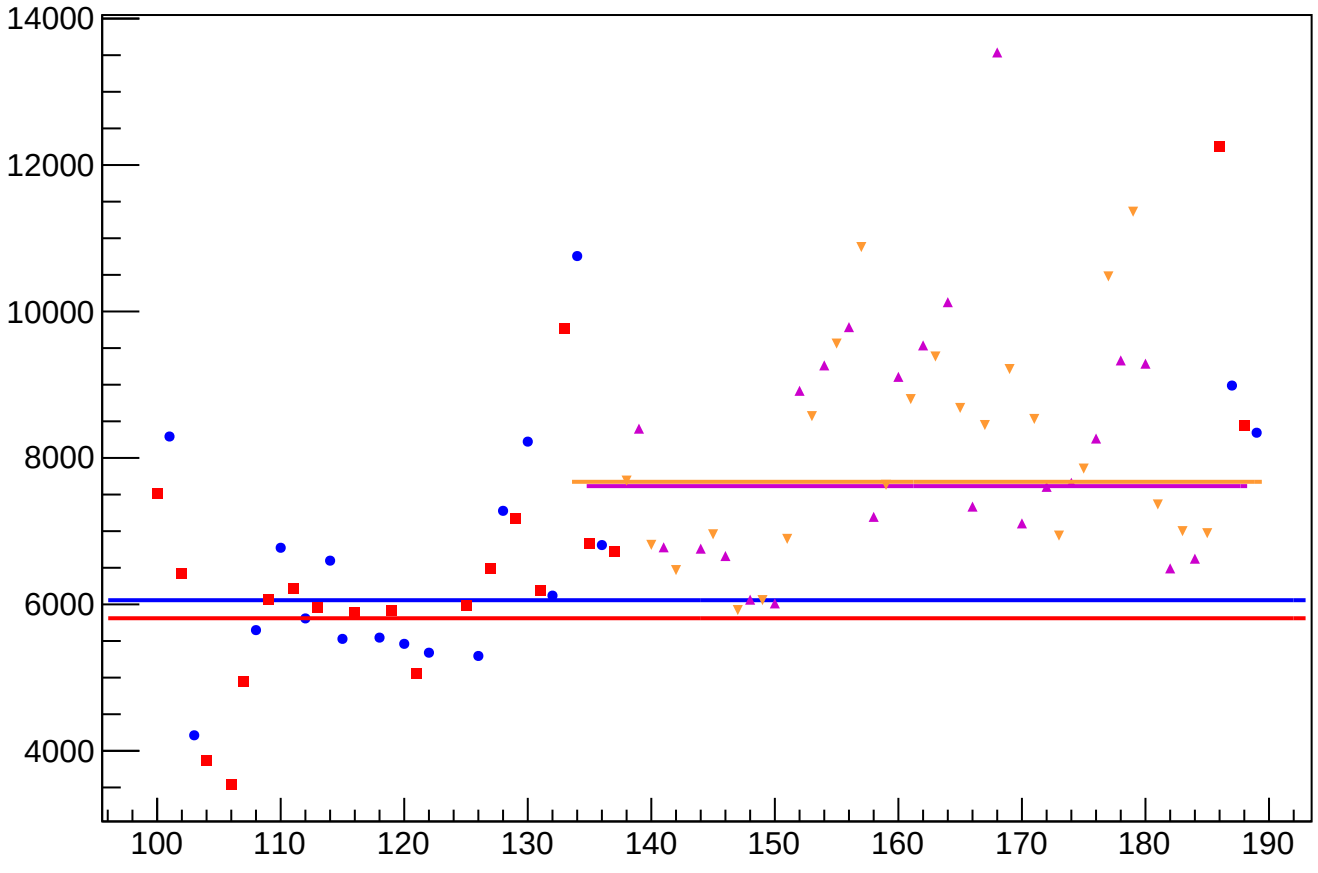
Right Out: -1257.072+/-2058.723 χ^2/NDF: 24.5/19

Left In: -126.376+/-1814.828 χ^2/NDF:13.9/22

+ sign 743.754+/-1404.668 χ^2/NDF: 44.6/41

All: 40.122+/-977.587 χ^2/NDF: 83.6/84

- sign -620.811+/-1361.382 χ^2/NDF: 38.5/42



Right In: 6057.124+/-1.562 χ^2/NDF: 777368.0/17

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

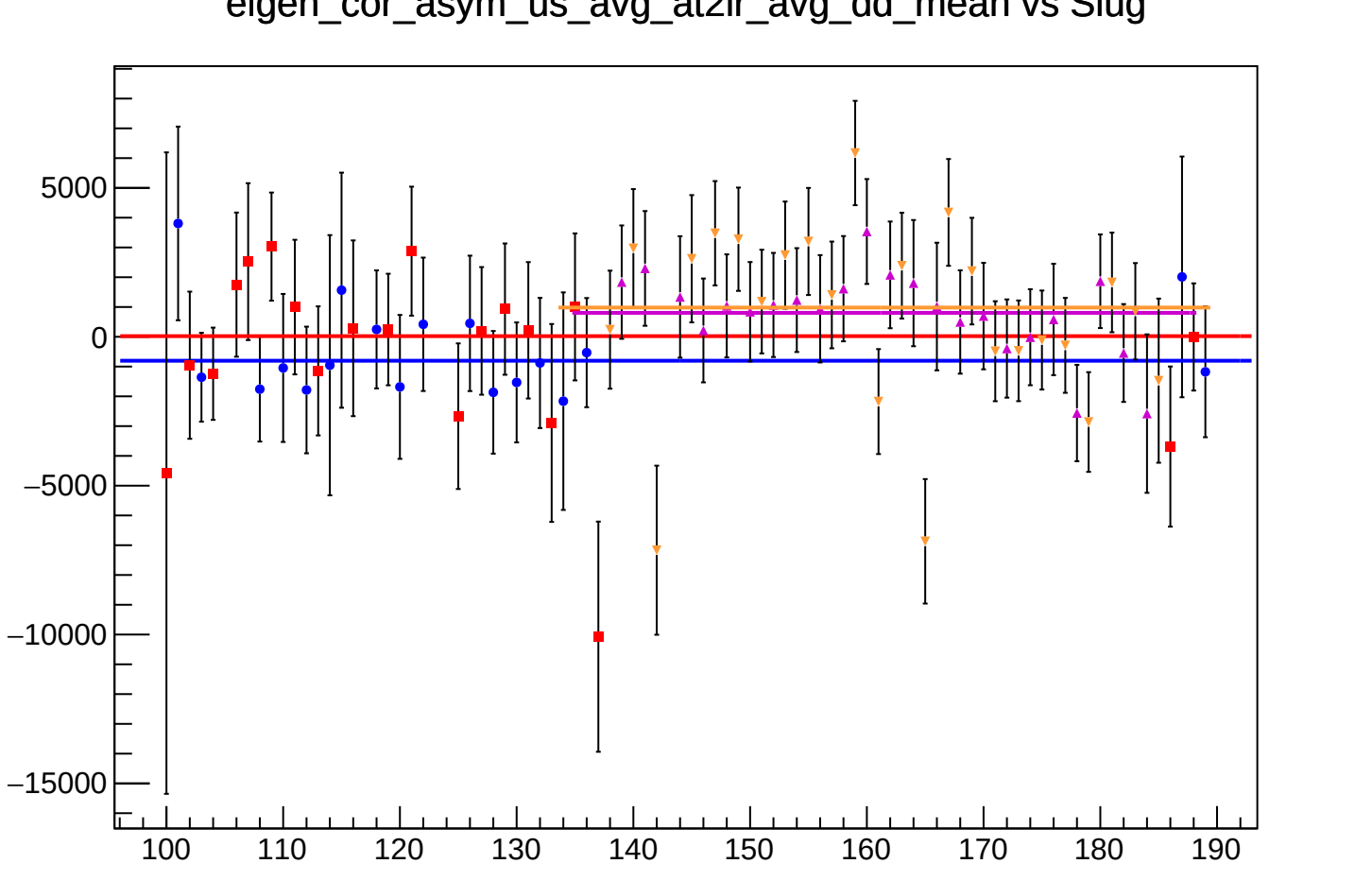
Right Out: 5810.712+/-1.456 χ^2/NDF: 1162956.9/19

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

+ sign 7020.412+/-0.993 χ^2/NDF: 2492320.6/41

All: 6920.161+/-0.691 χ^2/NDF: 5763965.2/84

- sign 6825.993+/-0.963 χ^2/NDF: 3251887.9/42



Right In: -804.238+/-533.238 χ^2/NDF: 5.1/17

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

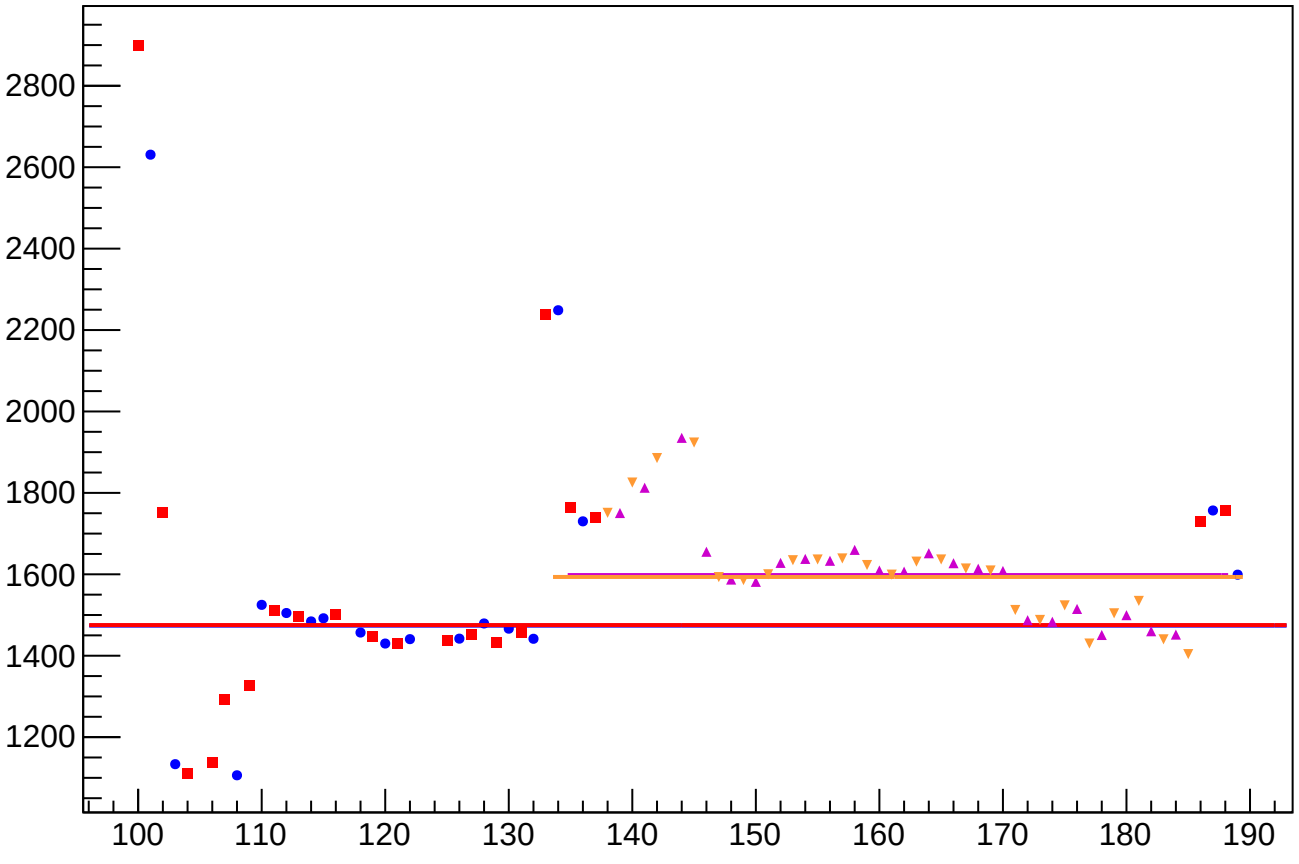
Right Out: 21.645+/-514.415 χ^2/NDF: 18.4/19

Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

\+ sign 399.509+/-304.455 χ^2/NDF: 68.2/41

All: 466.806+/-214.600 χ^2/NDF: 100.7/84

\- sign 533.257+/-302.536 χ^2/NDF: 32.4/42



Right In: 1473.965+/-0.377 χ^2/NDF: 593169.1/17

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

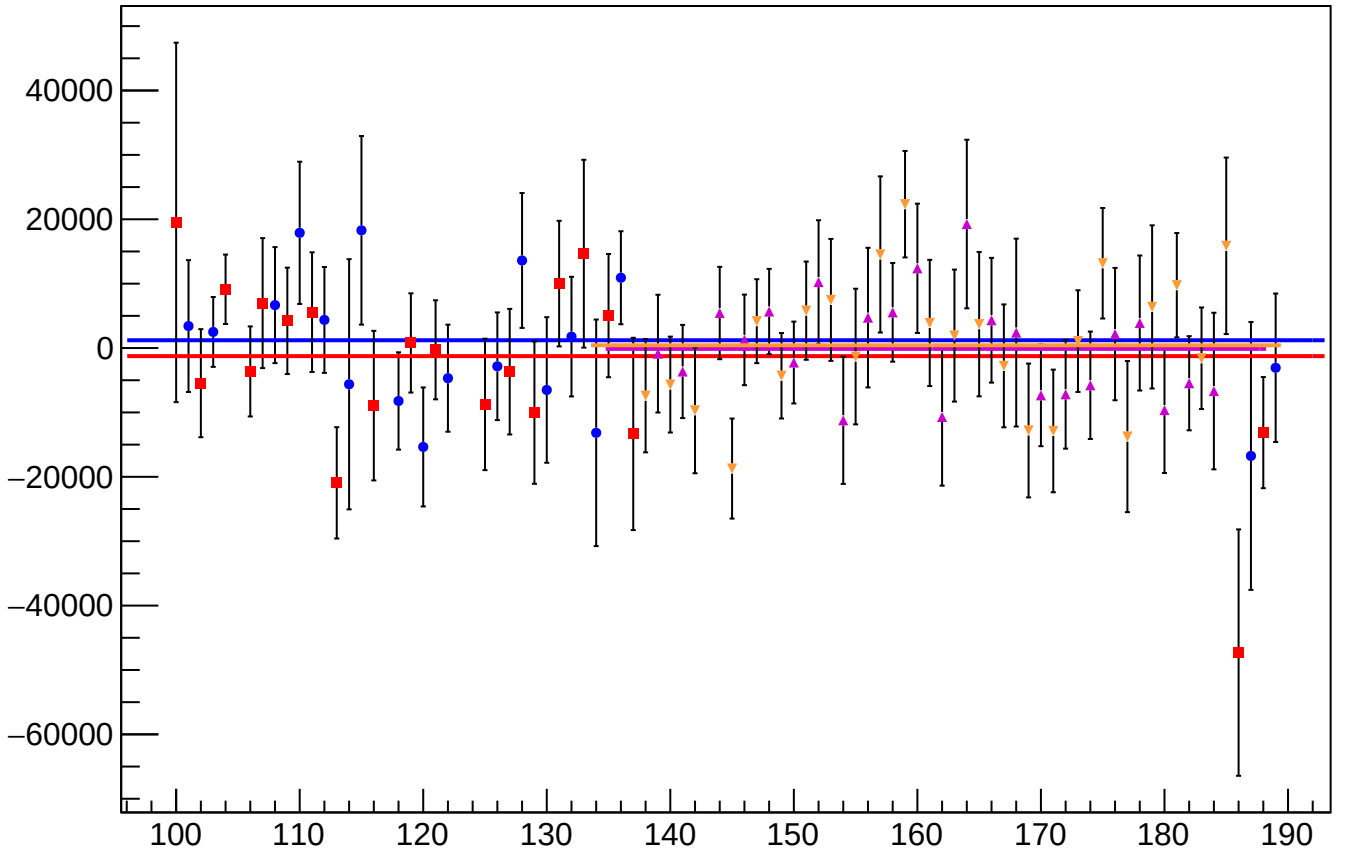
Right Out: 1475.245+/-0.363 χ^2/NDF: 449169.7/19

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1554.521+/-0.215 χ^2/NDF: 848501.9/41

All: 1555.017+/-0.152 χ^2/NDF: 1541677.7/84

- sign 1555.507+/-0.214 χ^2/NDF: 693165.2/42



Right In: 1210.994+/-2209.264 χ^2/NDF: 15.1/17

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

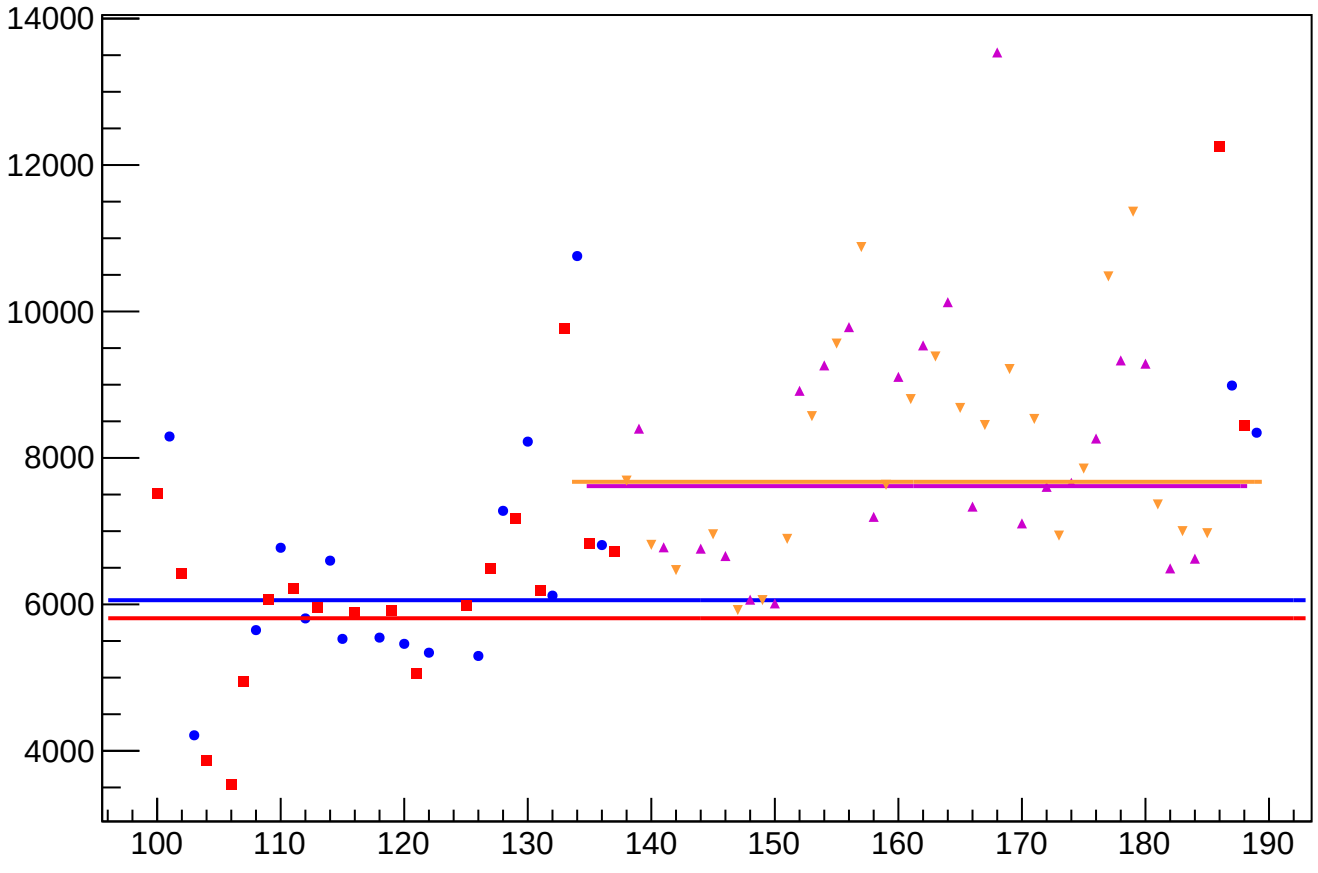
Right Out: -1257.072+/-2058.723 χ^2/NDF: 24.5/19

Left In: -126.376+/-1814.828 χ^2/NDF:13.9/22

+ sign 743.754+/-1404.668 χ^2/NDF: 44.6/41

All: 40.122+/-977.587 χ^2/NDF: 83.6/84

- sign -620.811+/-1361.382 χ^2/NDF: 38.5/42



Right In: 6057.124+/-1.562 χ^2/NDF: 777368.0/17

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

Right Out: 5810.712+/-1.456 χ^2/NDF: 1162956.9/19

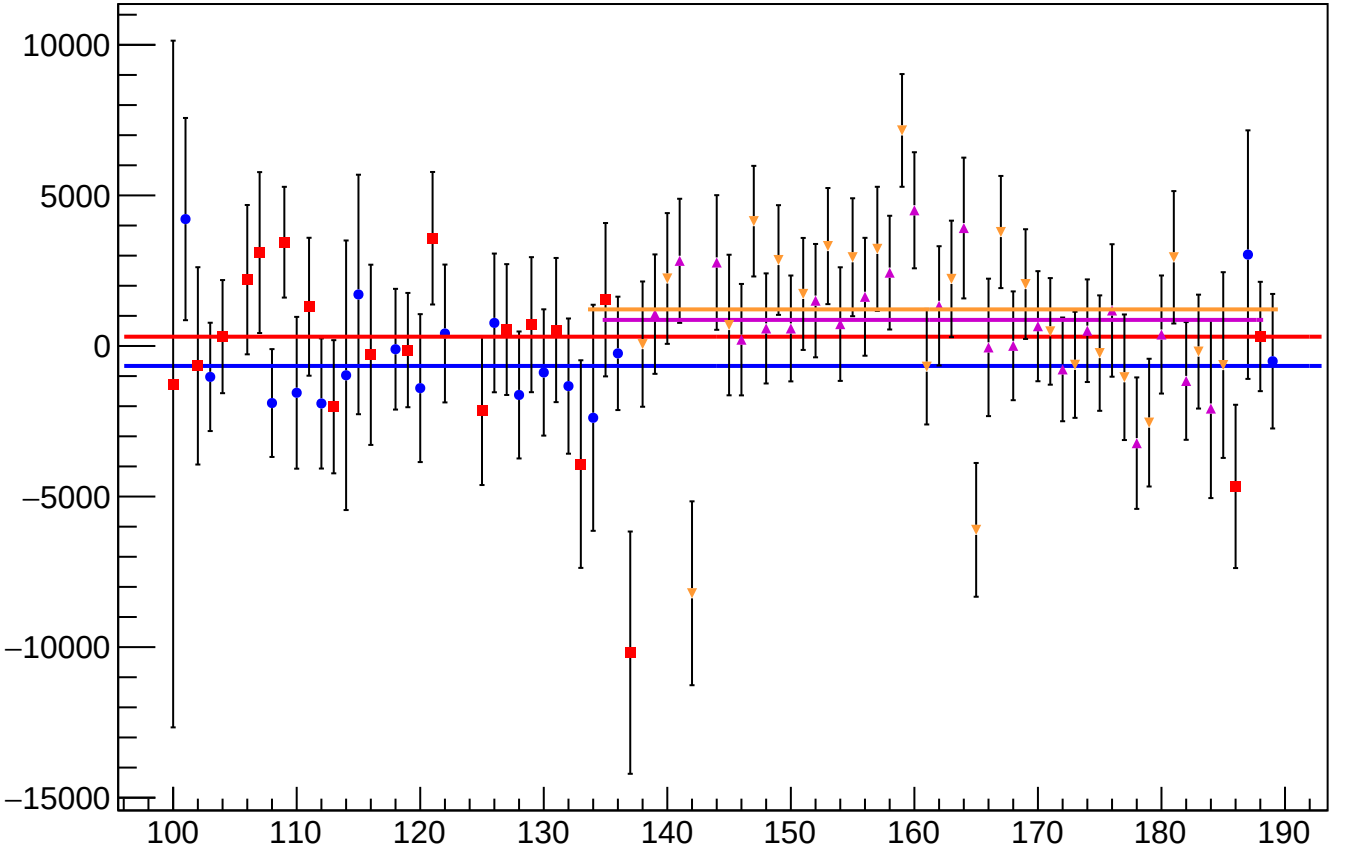
Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

+ sign 7020.412+/-0.993 χ^2/NDF: 2492320.6/41

All: 6920.161+/-0.691 χ^2/NDF: 5763965.2/84

- sign 6825.993+/-0.963 χ^2/NDF: 3251887.9/42

dit_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -662.858+/-554.562 χ^2/NDF: 5.6/17

Left Out: 1215.353+/-409.584 χ^2/NDF:48.5/23

Right Out: 308.282+/-537.383 χ^2/NDF: 21.2/19

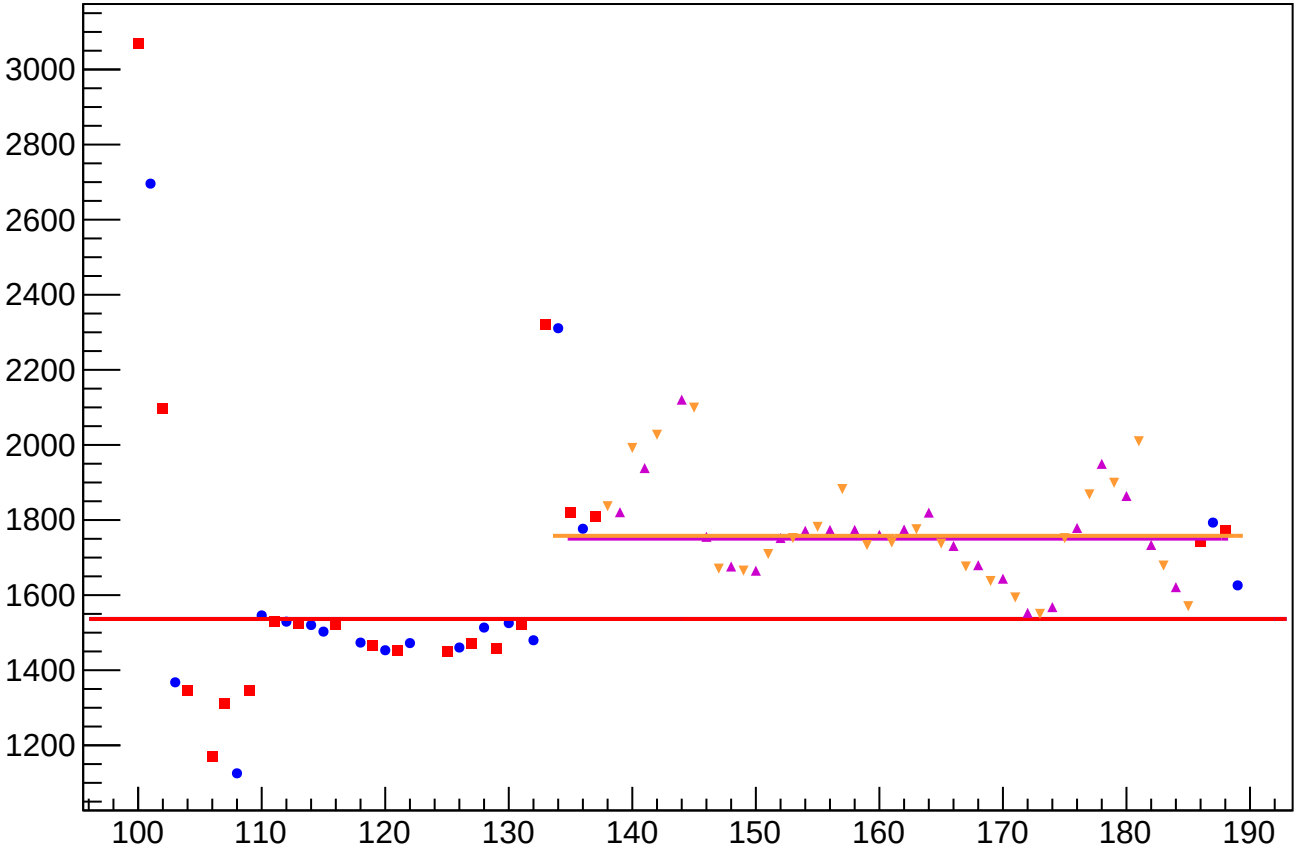
Left In: 866.022+/-410.038 χ^2/NDF:15.1/22

+ sign 552.427+/-329.466 χ^2/NDF: 61.5/41

All: 607.184+/-231.726 χ^2/NDF: 98.6/84

- sign 660.788+/-325.981 χ^2/NDF: 37.0/42

dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1536.558+/-0.392 χ^2/NDF: 499992.9/17

Left Out: 1757.965+/-0.290 χ^2/NDF:213284.1/23

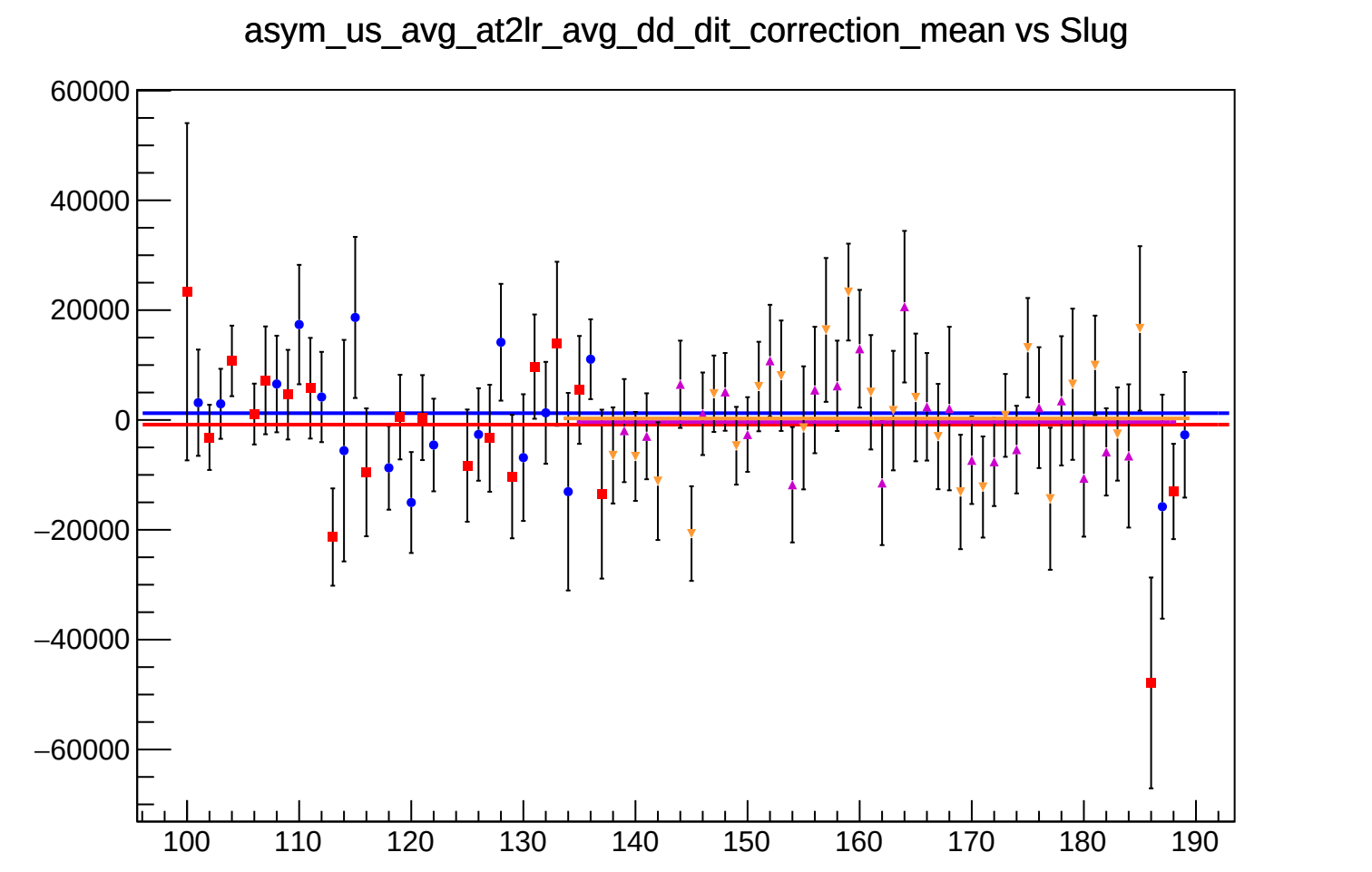
Right Out: 1536.469+/-0.380 χ^2/NDF: 390711.5/19

Left In: 1750.477+/-0.290 χ^2/NDF:171889.4/22

+ sign 1679.818+/-0.233 χ^2/NDF: 919551.8/41

All: 1675.717+/-0.164 χ^2/NDF: 1683305.4/84

- sign 1671.702+/-0.230 χ^2/NDF: 763140.2/42



Right In: 1237.569+/-2259.703 χ^2/NDF: 15.1/17

Left Out: 284.925+/-1920.134 χ^2/NDF:28.7/23

Right Out: -842.759+/-1994.253 χ^2/NDF: 24.3/19

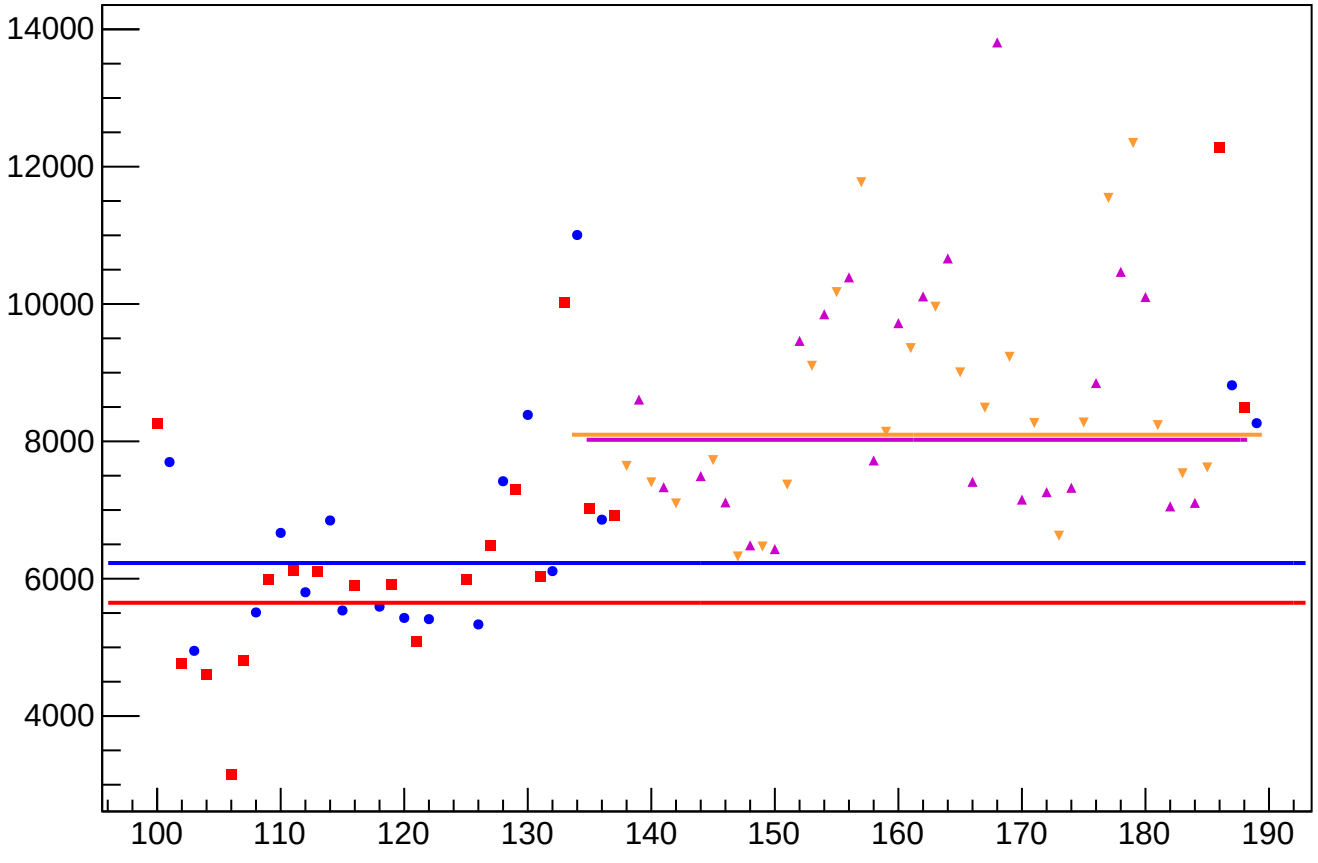
Left In: -382.660+/-1912.385 χ^2/NDF:13.6/22

+ sign 684.362+/-1463.222 χ^2/NDF: 43.9/41

All: 3.131+/-1004.053 χ^2/NDF: 82.2/84

- sign -603.072+/-1380.295 χ^2/NDF: 38.0/42

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs Slug



Right In: 6228.367+/-1.598 χ^2/NDF: 572427.6/17

Left Out: 8096.821+/-1.358 χ^2/NDF:1087790.8/23

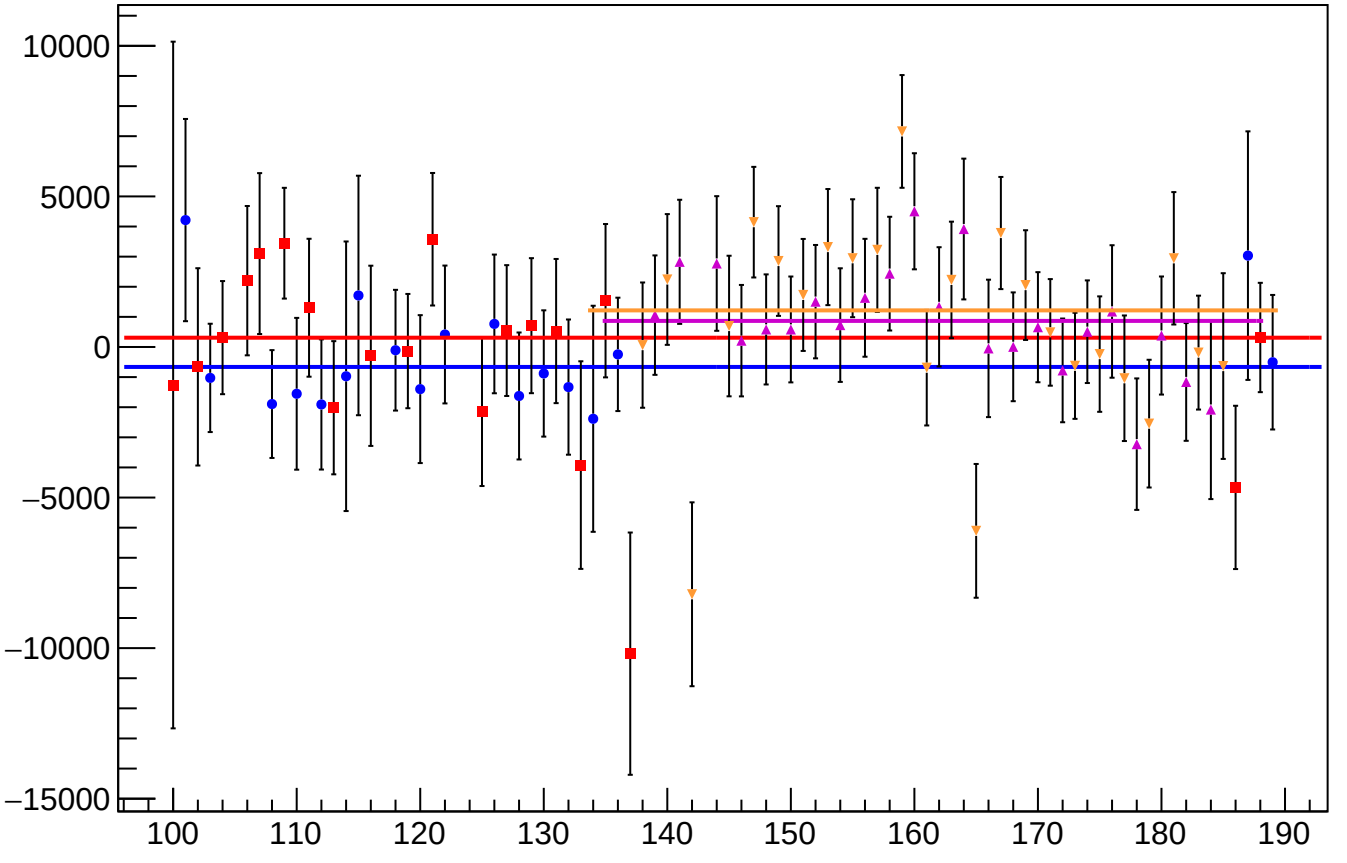
Right Out: 5649.348+/-1.410 χ^2/NDF: 1302344.1/19

Left In: 8022.726+/-1.352 χ^2/NDF:1225549.2/22

+ sign 7313.391+/-1.035 χ^2/NDF: 2454270.6/41

All: 7087.111+/-0.710 χ^2/NDF: 6548253.1/84

- sign 6885.752+/-0.976 χ^2/NDF: 4003589.4/42



Right In: -662.862+/-554.562 χ^2/NDF: 5.6/17

Left Out: 1215.361+/-409.585 χ^2/NDF:48.5/23

Right Out: 308.294+/-537.383 χ^2/NDF: 21.2/19

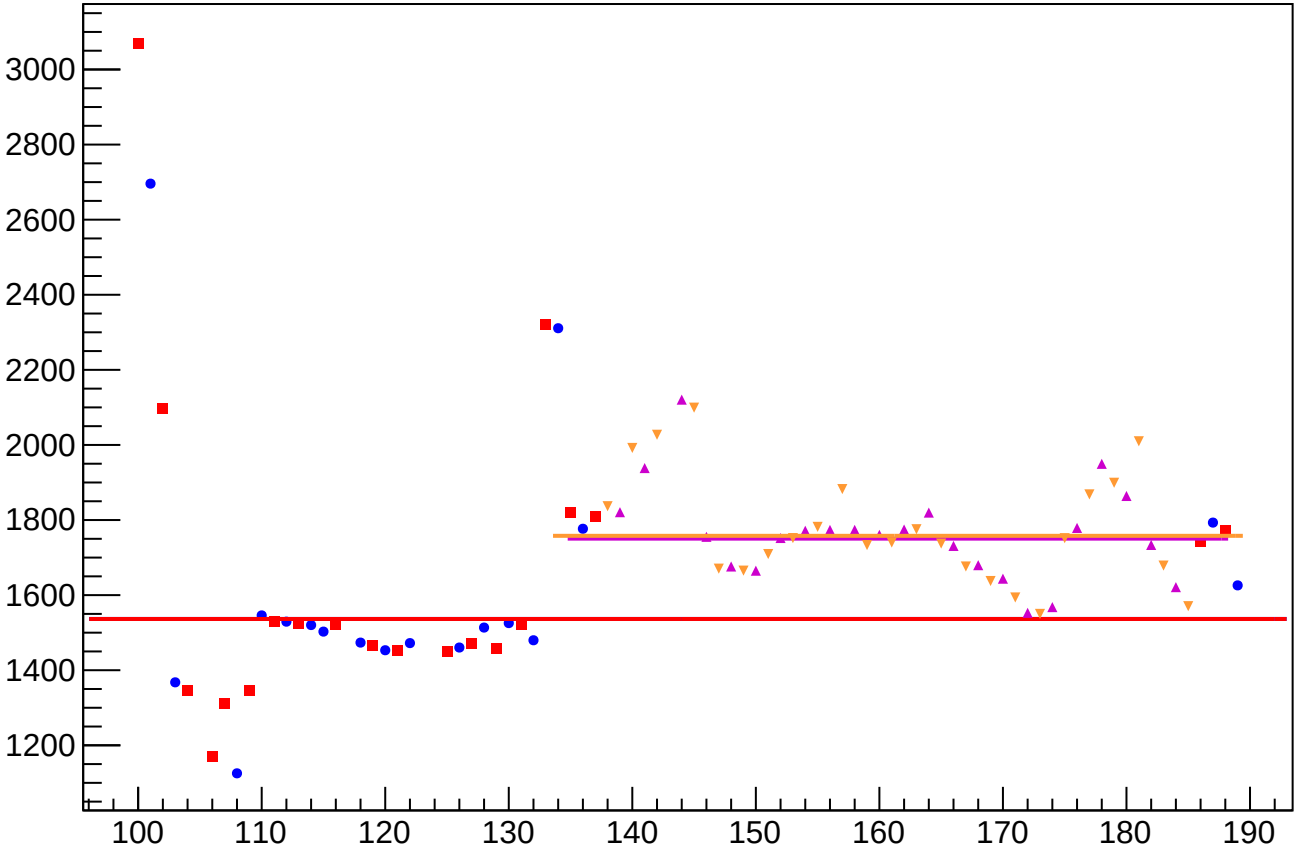
Left In: 866.021+/-410.039 χ^2/NDF:15.1/22

\+ sign 552.429+/-329.466 χ^2/NDF: 61.5/41

All: 607.186+/-231.726 χ^2/NDF: 98.6/84

\- sign 660.791+/-325.981 χ^2/NDF: 37.0/42

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1536.558+/-0.392 χ^2/NDF: 499992.1/17

Left Out: 1757.968+/-0.290 χ^2/NDF:213292.2/23

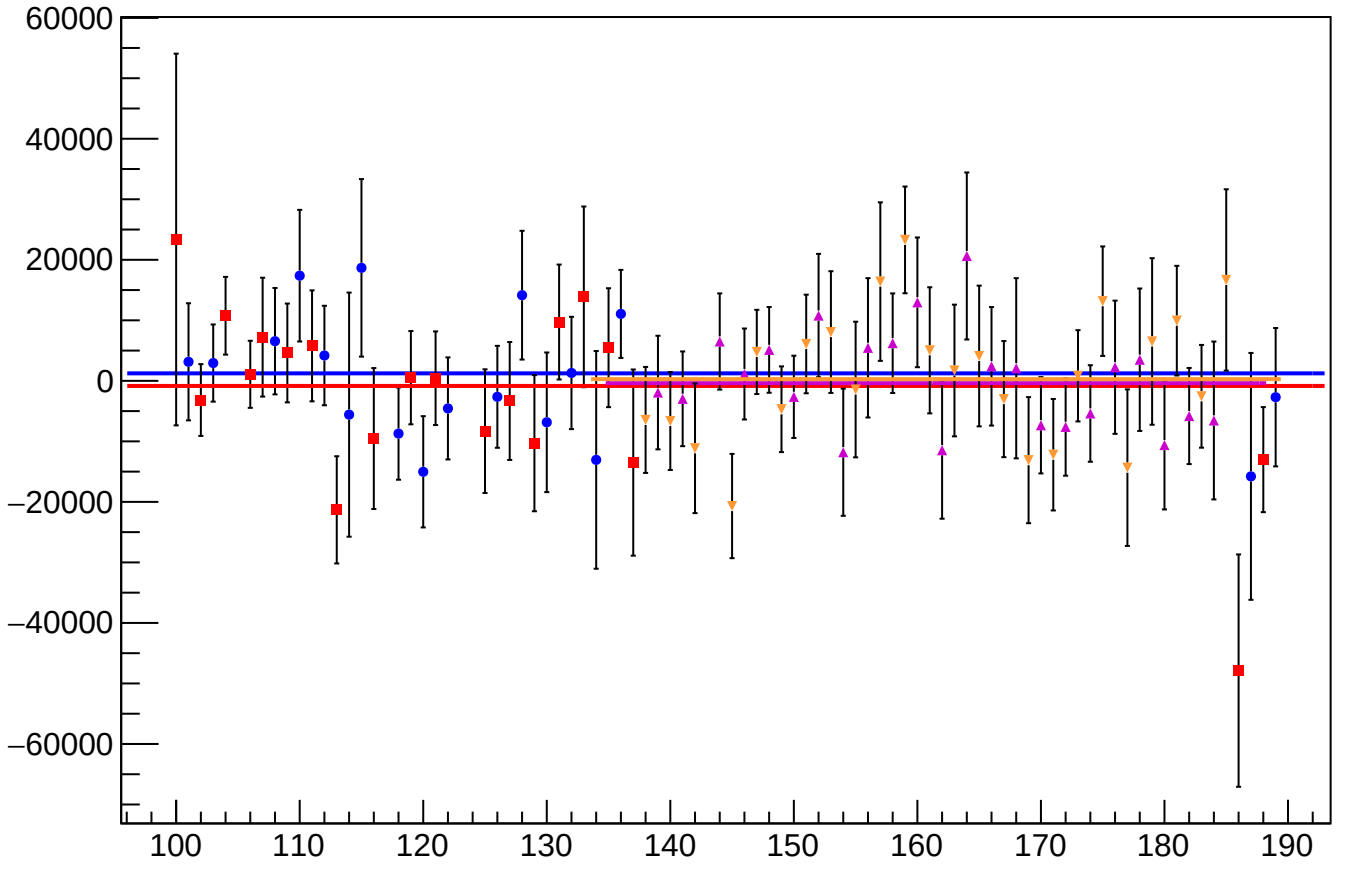
Right Out: 1536.469+/-0.380 χ^2/NDF: 390711.6/19

Left In: 1750.480+/-0.290 χ^2/NDF:171897.3/22

+ sign 1679.820+/-0.233 χ^2/NDF: 919564.6/41

All: 1675.718+/-0.164 χ^2/NDF: 1683330.9/84

- sign 1671.704+/-0.230 χ^2/NDF: 763153.1/42



Right In: 1237.552+/-2259.699 χ^2/NDF: 15.1/17

Left Out: 284.927+/-1920.138 χ^2/NDF:28.7/23

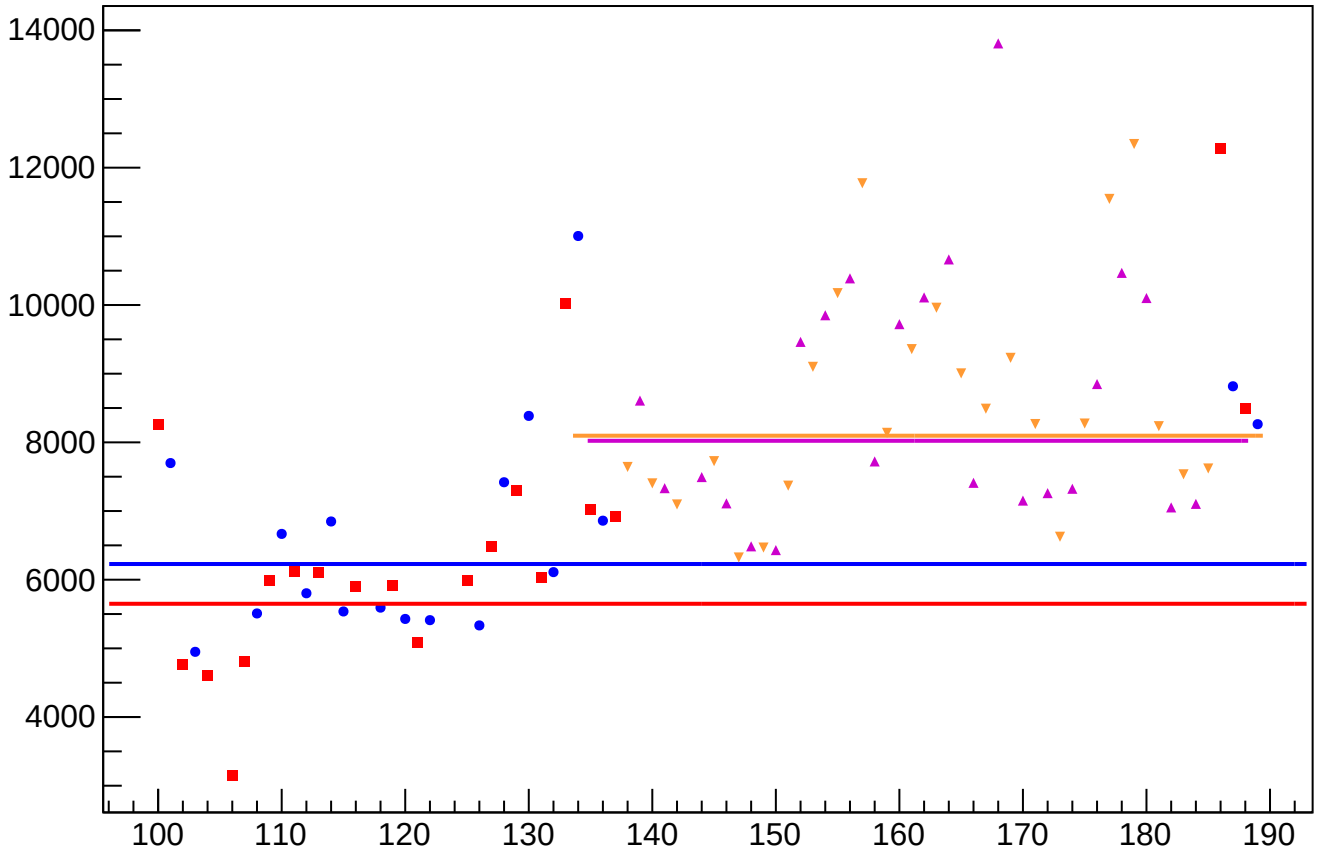
Right Out: -842.748+/-1994.249 χ^2/NDF: 24.3/19

Left In: -382.663+/-1912.388 χ^2/NDF:13.6/22

+ sign 684.357+/-1463.222 χ^2/NDF: 43.9/41

All: 3.130+/-1004.053 χ^2/NDF: 82.2/84

- sign -603.069+/-1380.295 χ^2/NDF: 38.0/42



Right In: 6228.354+/-1.598 χ^2/NDF: 572431.9/17

Left Out: 8096.833+/-1.358 χ^2/NDF:1087793.4/23

Right Out: 5649.337+/-1.410 χ^2/NDF: 1302348.0/19

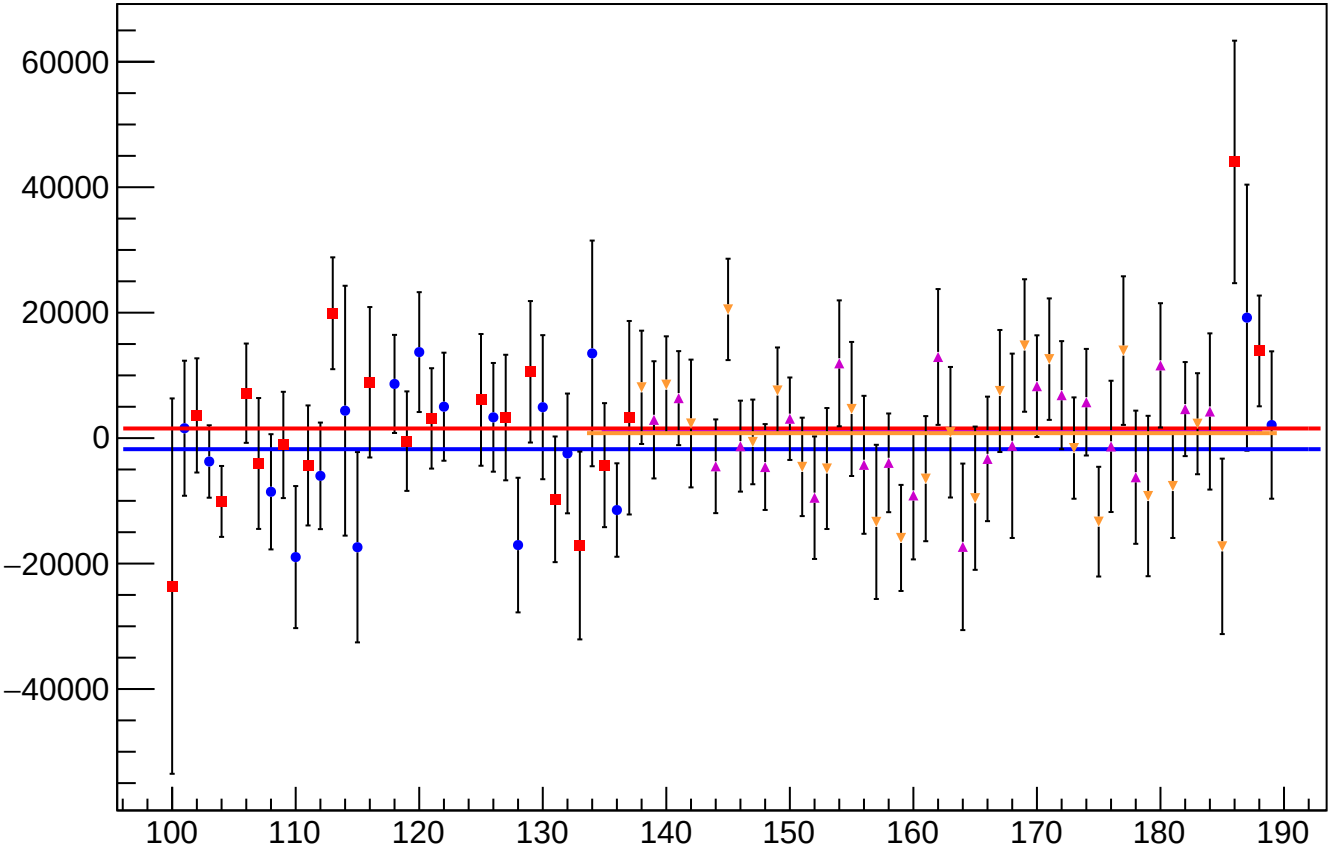
Left In: 8022.738+/-1.352 χ^2/NDF:1225553.6/22

+ sign 7313.390+/-1.035 χ^2/NDF: 2454299.7/41

All: 7087.108+/-0.710 χ^2/NDF: 6548320.2/84

- sign 6885.748+/-0.976 χ^2/NDF: 4003626.7/42

asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -1763.322+/-2288.712 χ^2/NDF: 15.7/17

Left Out: 791.264+/-1865.111 χ^2/NDF:27.2/23

Right Out: 1536.712+/-2147.681 χ^2/NDF: 21.8/19

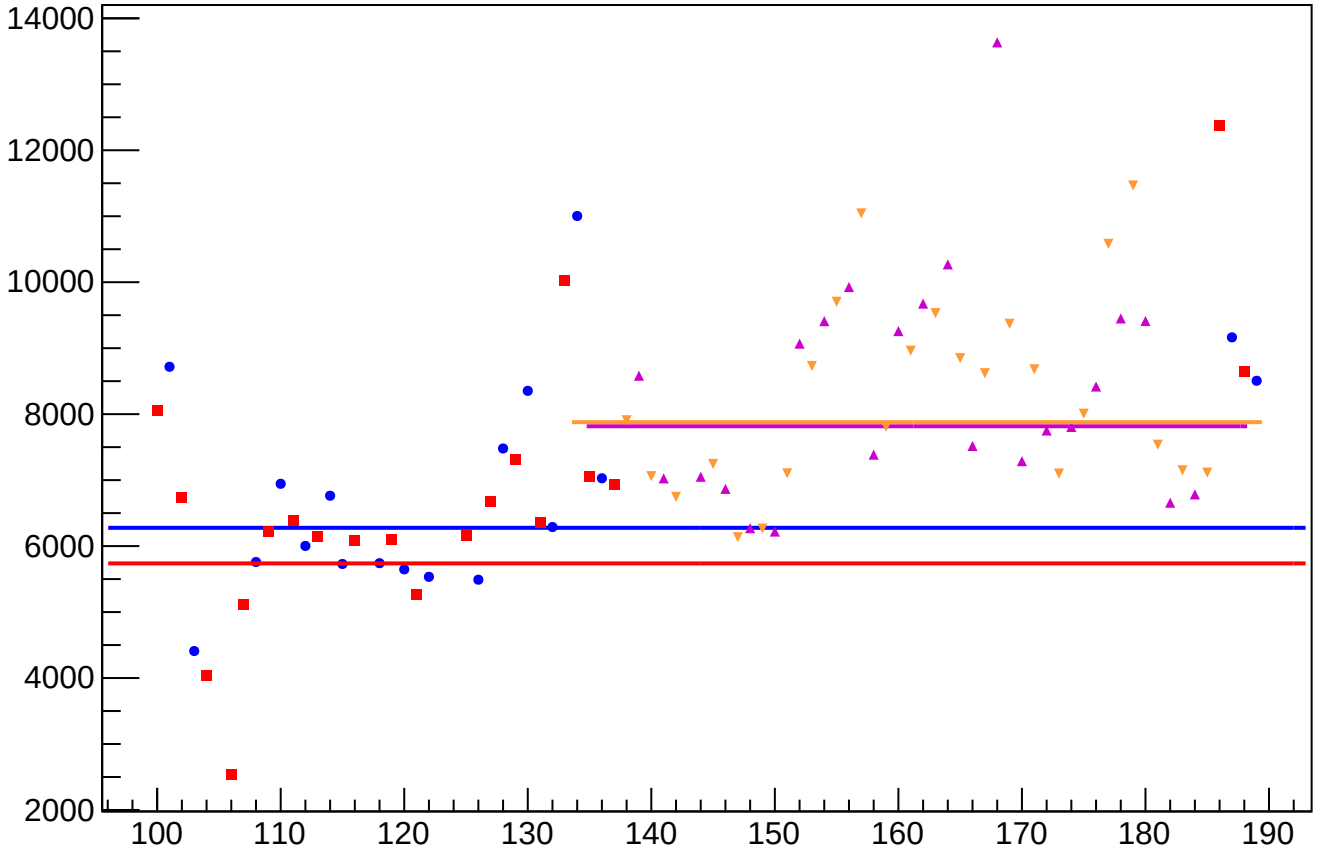
Left In: 963.967+/-1859.926 χ^2/NDF:12.8/22

+ sign -228.197+/-1445.827 χ^2/NDF: 43.6/41

All: 510.699+/-1007.970 χ^2/NDF: 78.8/84

- sign 1209.426+/-1405.978 χ^2/NDF: 34.7/42

asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 6277.068+/-1.618 χ^2/NDF: 738701.1/17

Left Out: 7878.482+/-1.319 χ^2/NDF:990058.5/23

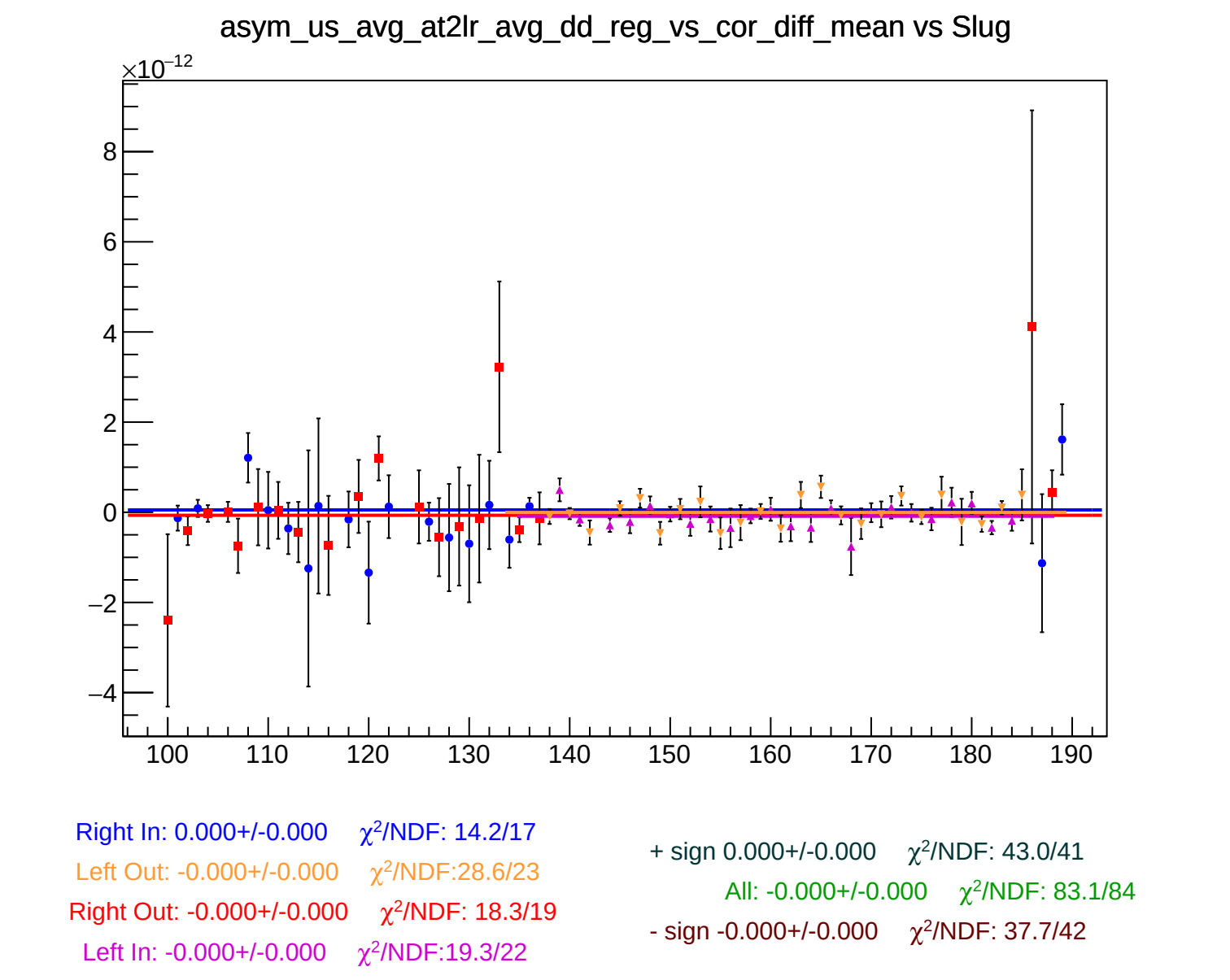
Right Out: 5737.505+/-1.468 χ^2/NDF: 1629302.7/19

Left In: 7816.447+/-1.315 χ^2/NDF:1132368.2/22

+ sign 7239.400+/-1.022 χ^2/NDF: 2317171.0/41

All: 7057.570+/-0.707 χ^2/NDF: 6252243.5/84

- sign 6890.663+/-0.979 χ^2/NDF: 3874404.1/42


asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs Slug
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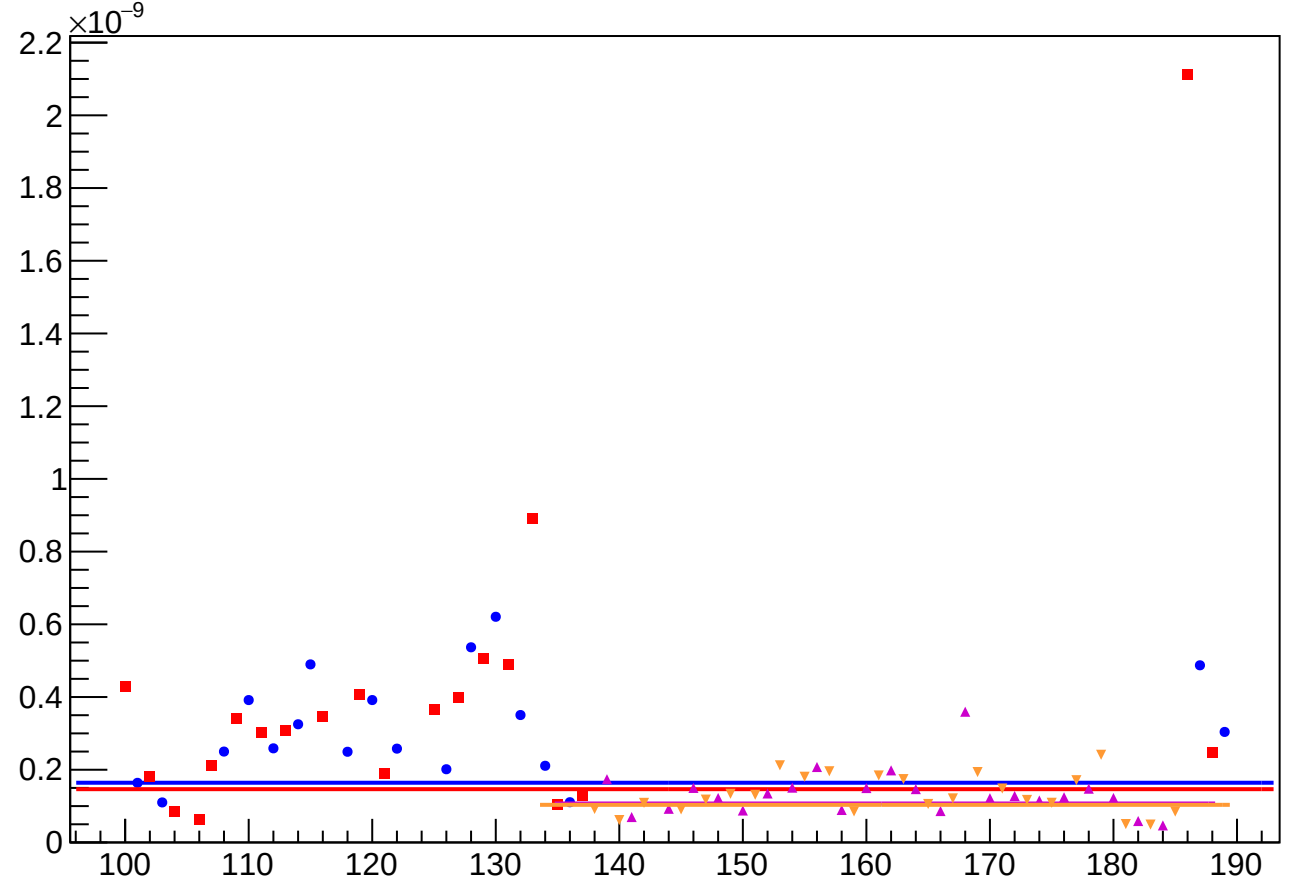
Right In: 0.000+/-0.000 χ²/NDF: 14.2/17
Left Out: -0.000+/-0.000 χ²/NDF:28.6/23
Right Out: -0.000+/-0.000 χ²/NDF: 18.3/19
Left In: -0.000+/-0.000 χ²/NDF:19.3/22
+ sign 0.000+/-0.000 χ²/NDF: 43.0/41
All: -0.000+/-0.000 χ²/NDF: 83.1/84
- sign -0.000+/-0.000 χ²/NDF: 37.7/42



Right In: 0.000+/-0.000 χ^2/NDF: 1485428.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:1905146.0/23

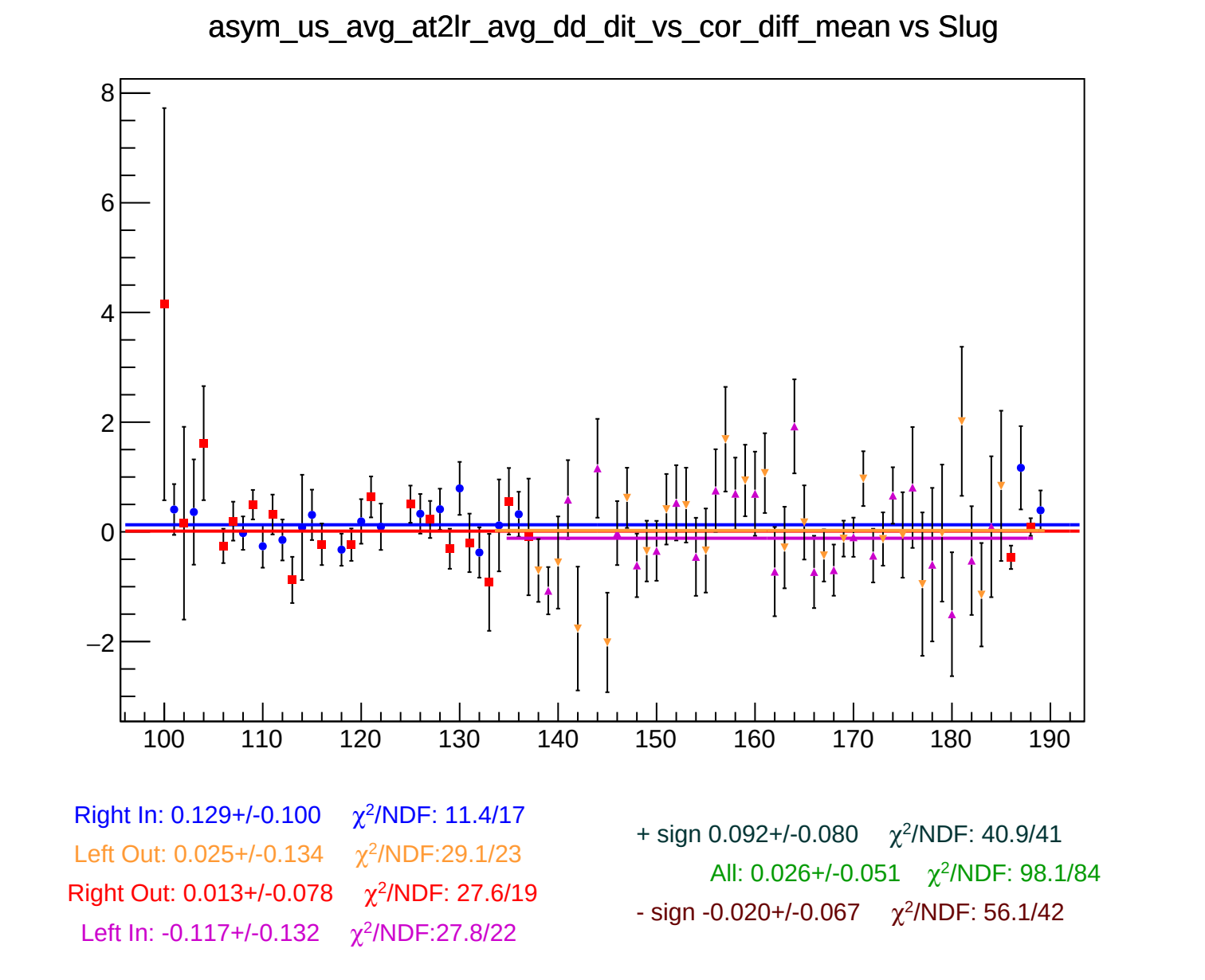
Right Out: 0.000+/-0.000 χ^2/NDF: 2588078.3/19

Left In: 0.000+/-0.000 χ^2/NDF:1596017.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 3982663.3/41

All: 0.000+/-0.000 χ^2/NDF: 8422774.3/84

- sign 0.000+/-0.000 χ^2/NDF: 4439711.3/42


asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug
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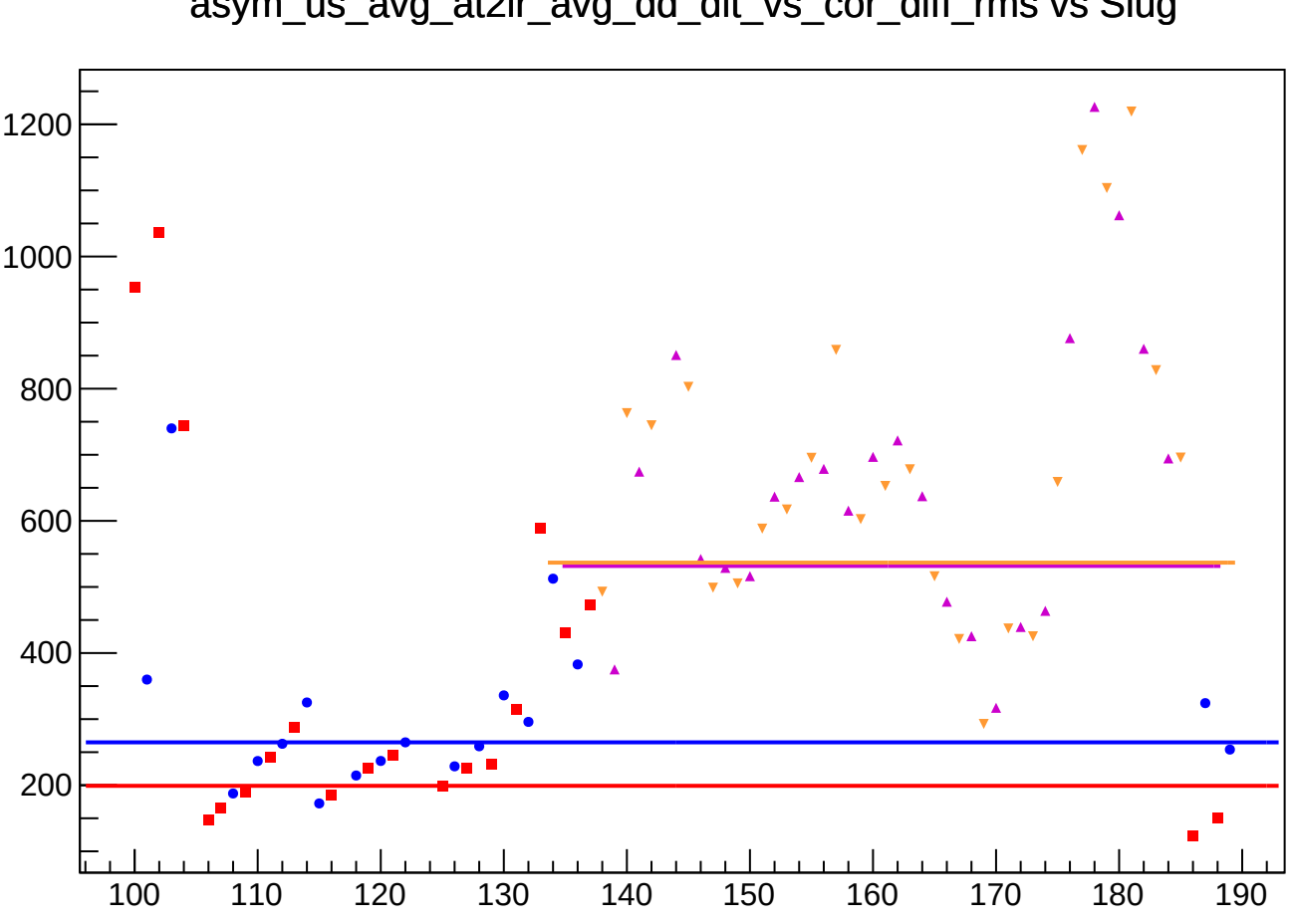
Right In: 0.129+/-0.100 χ²/NDF: 11.4/17
Left Out: 0.025+/-0.134 χ²/NDF:29.1/23
Right Out: 0.013+/-0.078 χ²/NDF: 27.6/19
Left In: -0.117+/-0.132 χ²/NDF:27.8/22
+ sign 0.092+/-0.080 χ²/NDF: 40.9/41
All: 0.026+/-0.051 χ²/NDF: 98.1/84
- sign -0.020+/-0.067 χ²/NDF: 56.1/42


asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs Slug
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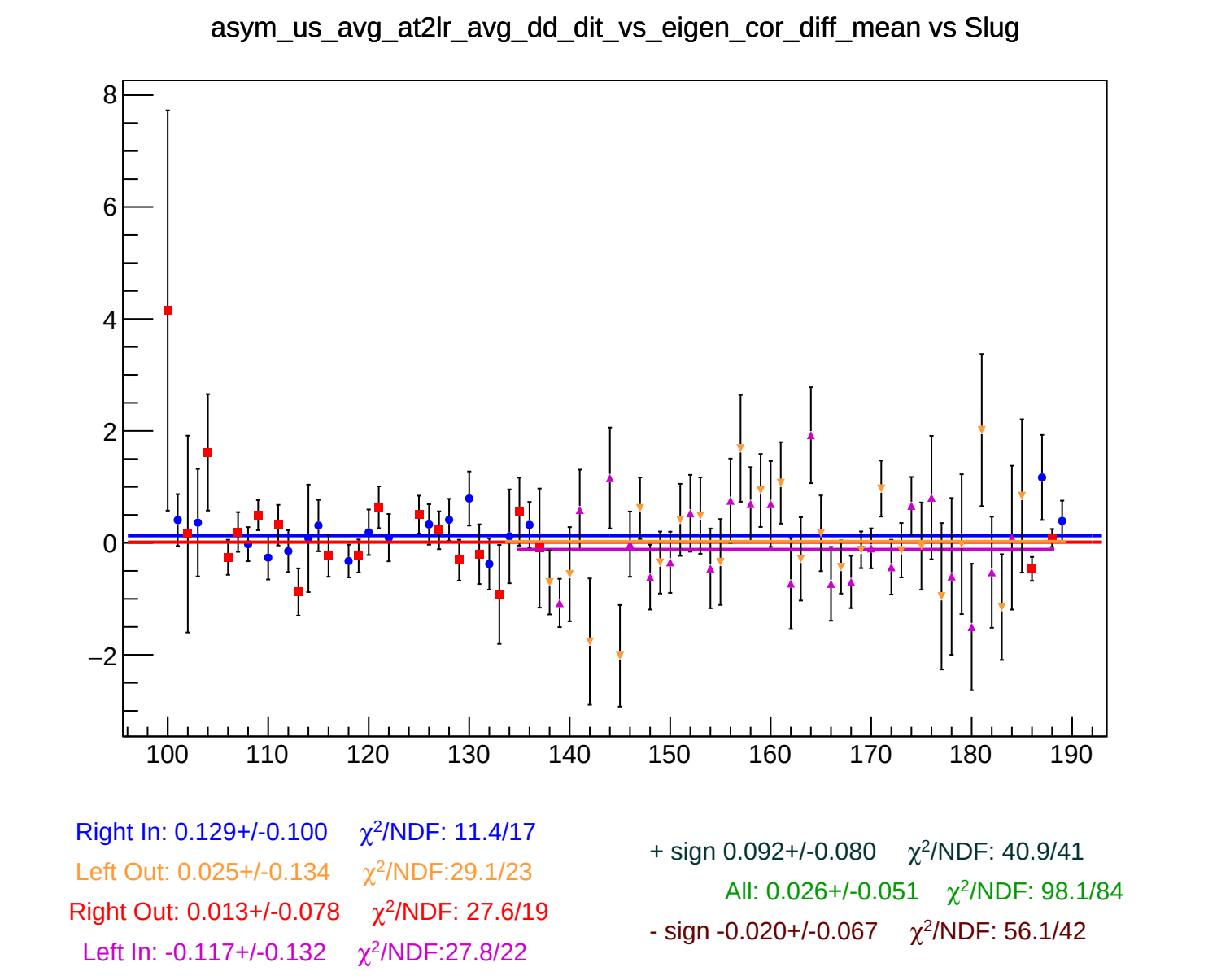
Right In: 264.882+/-0.071 χ²/NDF: 1298041.6/17
Left Out: 536.821+/-0.095 χ²/NDF:3963242.1/23
Right Out: 199.082+/-0.055 χ²/NDF: 2705051.3/19
Left In: 531.769+/-0.094 χ²/NDF:3381209.0/22
+ sign 362.223+/-0.057 χ²/NDF: 10552091.2/41
All: 316.235+/-0.036 χ²/NDF: 27147173.8/84
- sign 284.128+/-0.047 χ²/NDF: 15477036.0/42


asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug
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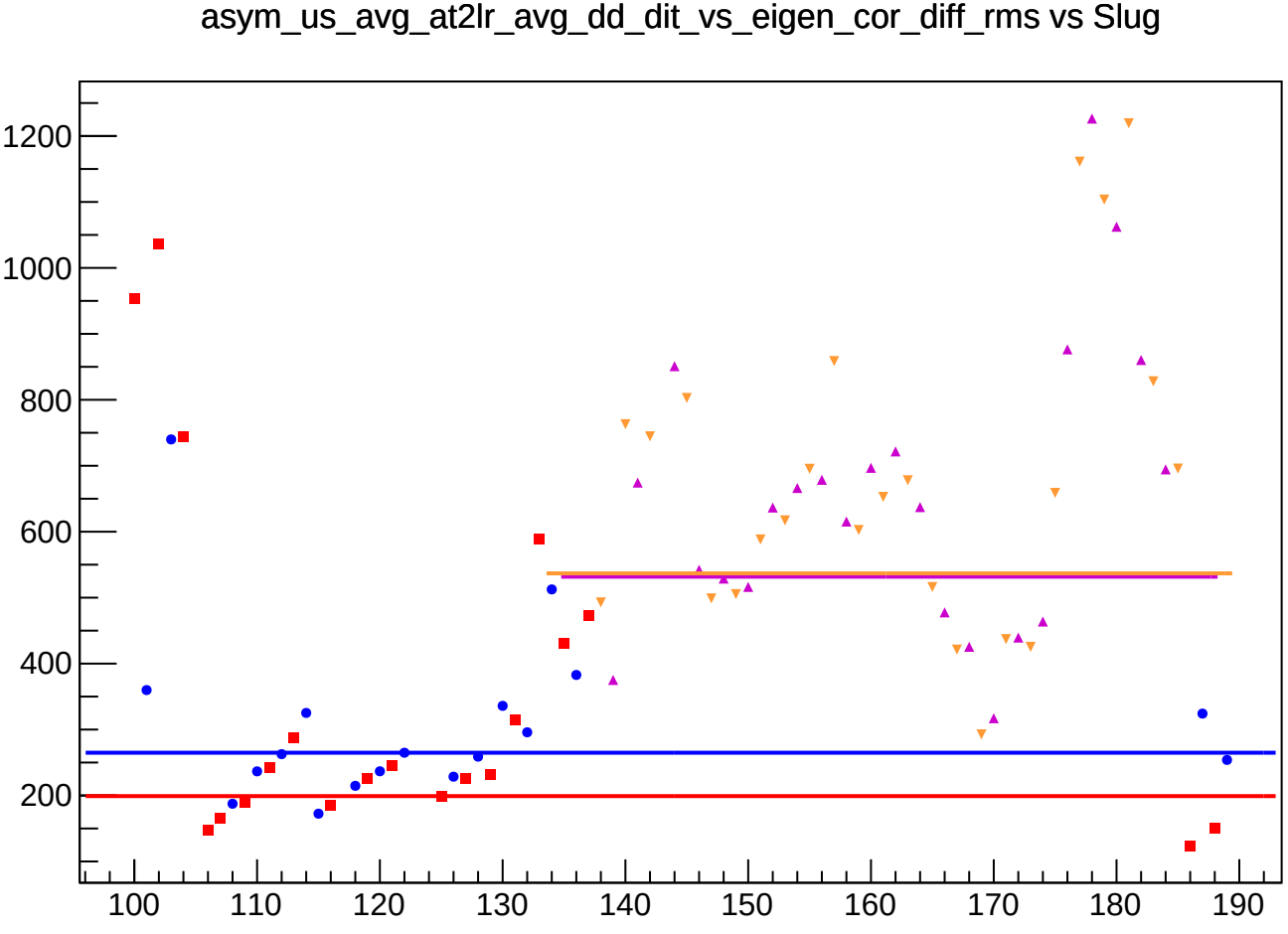
Right In: 0.129+/-0.100 χ²/NDF: 11.4/17
Left Out: 0.025+/-0.134 χ²/NDF:29.1/23
Right Out: 0.013+/-0.078 χ²/NDF: 27.6/19
Left In: -0.117+/-0.132 χ²/NDF:27.8/22
+ sign 0.092+/-0.080 χ²/NDF: 40.9/41
All: 0.026+/-0.051 χ²/NDF: 98.1/84
- sign -0.020+/-0.067 χ²/NDF: 56.1/42


asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug
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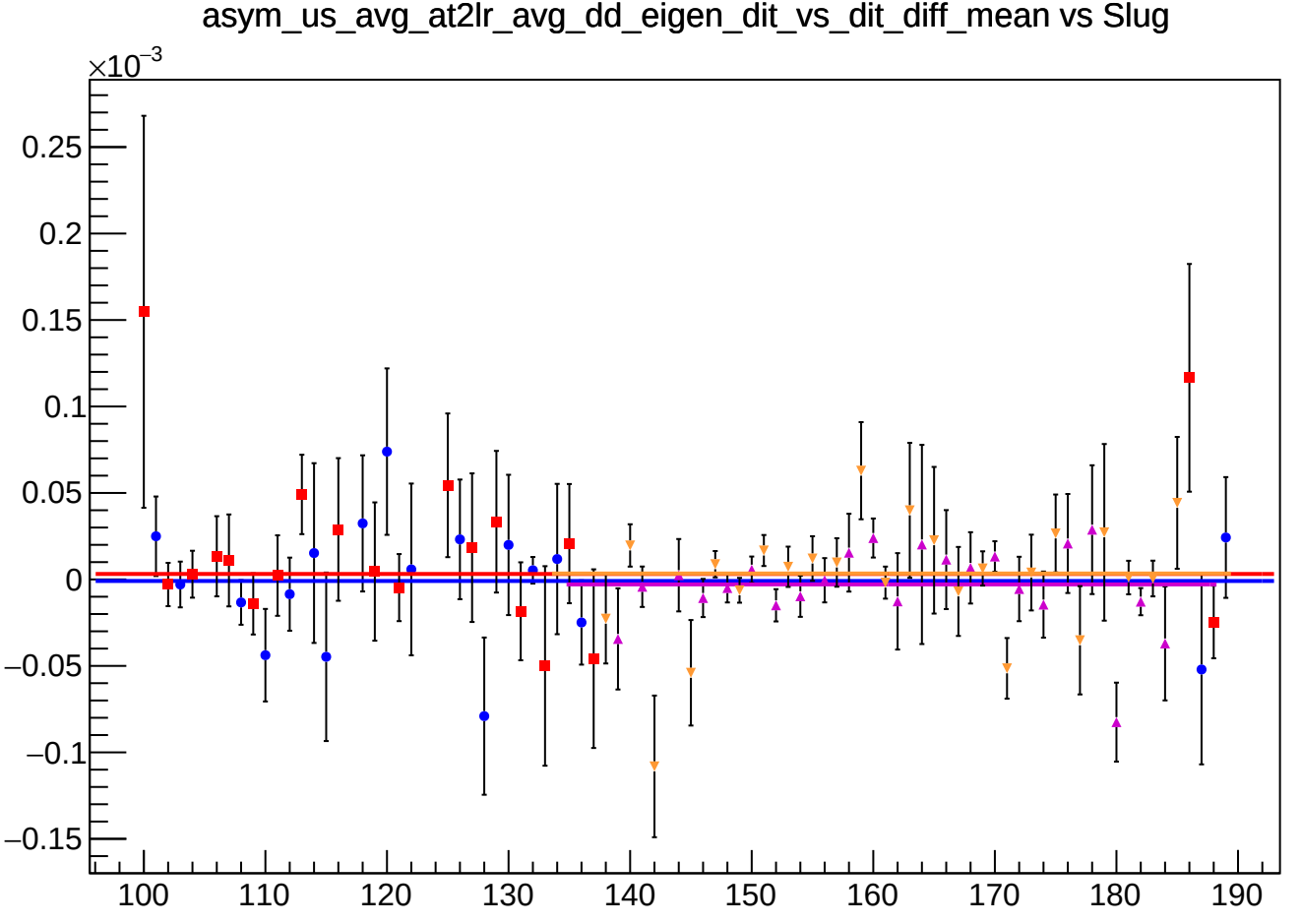
Right In: 264.882+/-0.071 χ²/NDF: 1298041.6/17
Left Out: 536.821+/-0.095 χ²/NDF:3963242.1/23
Right Out: 199.082+/-0.055 χ²/NDF: 2705051.3/19
Left In: 531.769+/-0.094 χ²/NDF:3381209.0/22
+ sign 362.223+/-0.057 χ²/NDF: 10552091.2/41
All: 316.235+/-0.036 χ²/NDF: 27147173.8/84
- sign 284.128+/-0.047 χ²/NDF: 15477036.0/42



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:39.1/23

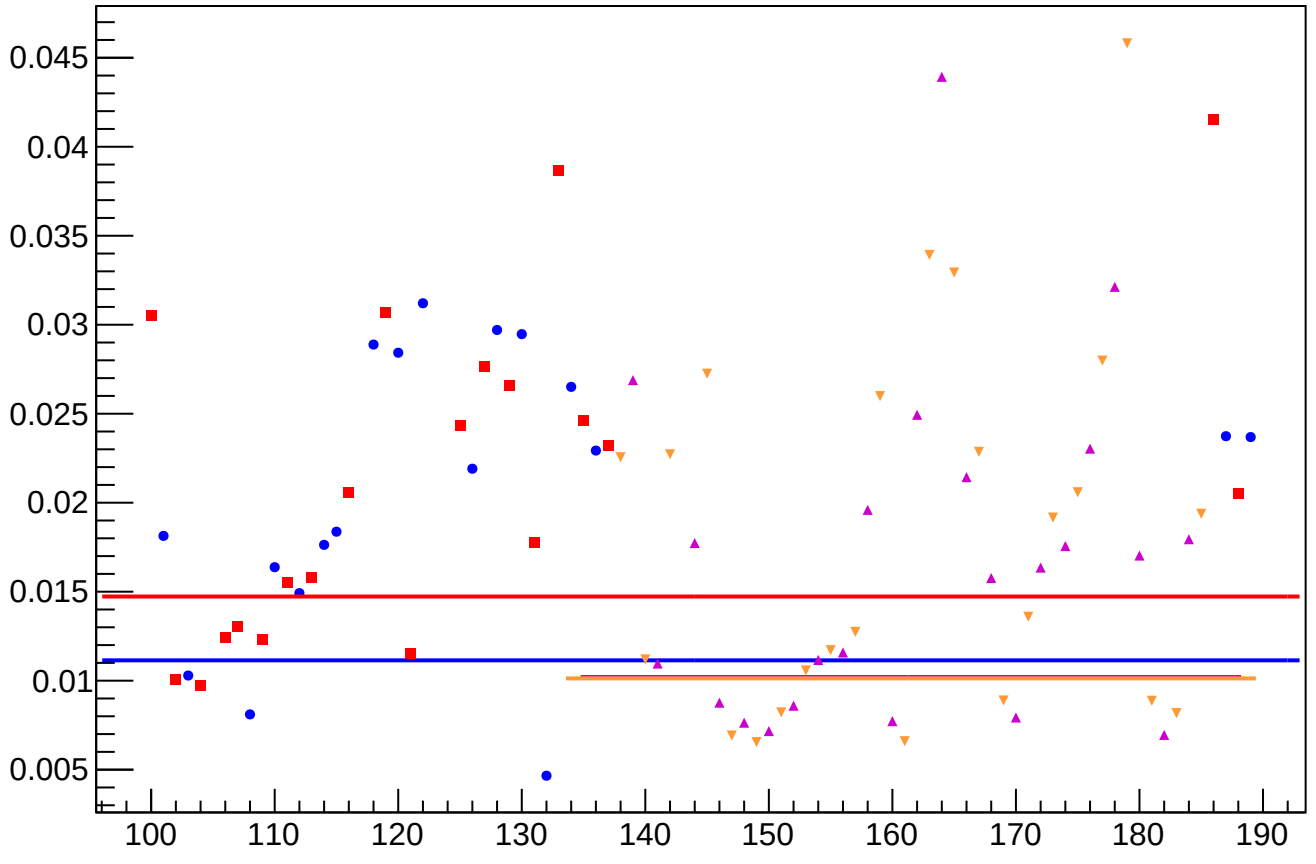
Right Out: 0.000+/-0.000 χ^2/NDF: 17.3/19

Left In: -0.000+/-0.000 χ^2/NDF:32.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 55.4/41

All: 0.000+/-0.000 χ^2/NDF: 107.3/84

- sign -0.000+/-0.000 χ^2/NDF: 50.5/42



Right In: 0.011+/-0.000 χ^2/NDF: 4954036.0/17

Left Out: 0.010+/-0.000 χ^2/NDF:7812047.6/23

Right Out: 0.015+/-0.000 χ^2/NDF: 2593787.5/19

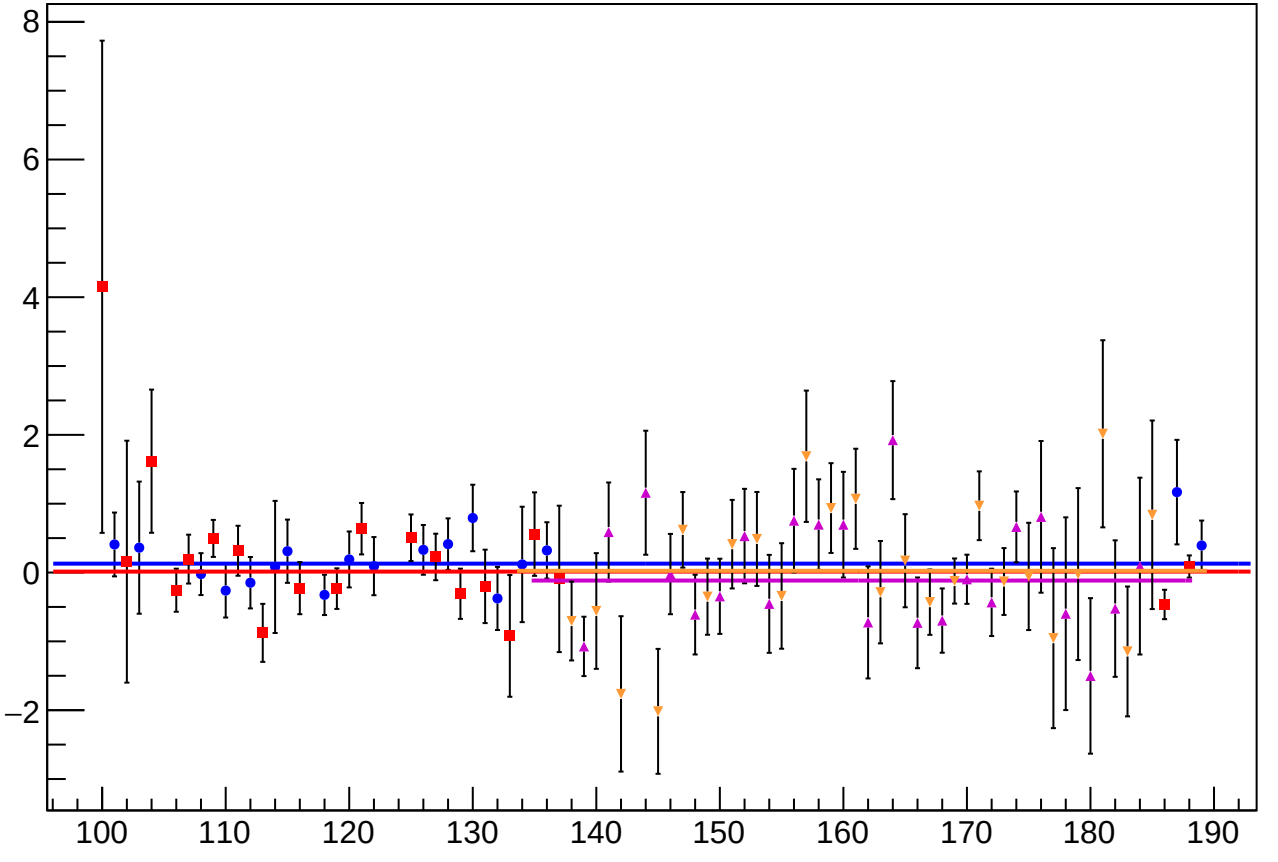
Left In: 0.010+/-0.000 χ^2/NDF:6075883.8/22

+ sign 0.010+/-0.000 χ^2/NDF: 12831361.1/41

All: 0.011+/-0.000 χ^2/NDF: 22671214.4/84

- sign 0.011+/-0.000 χ^2/NDF: 9744933.3/42

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.129+/-0.100 χ^2/NDF: 11.4/17

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

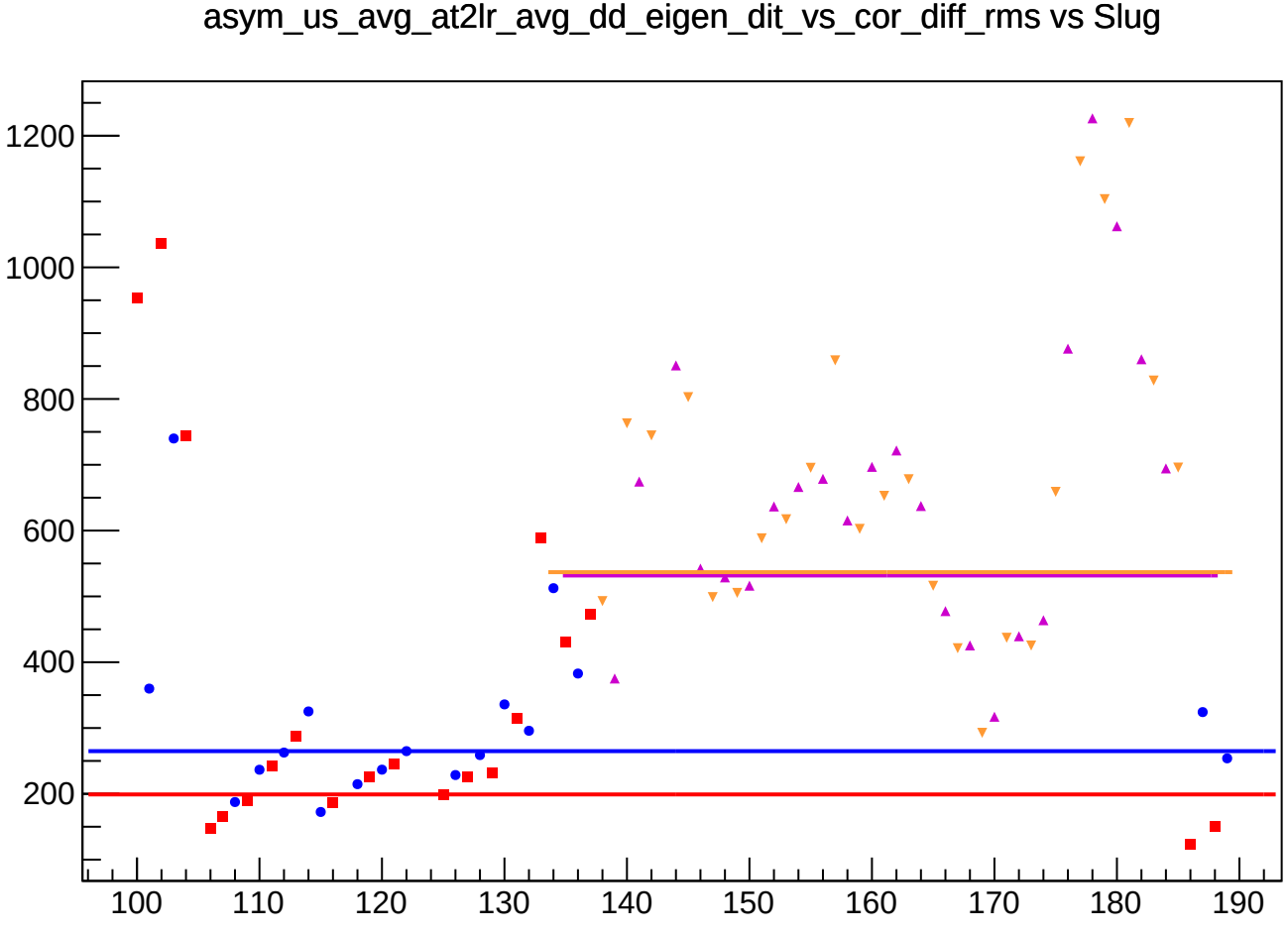
Right Out: 0.013+/-0.078 χ^2/NDF: 27.6/19

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.092+/-0.080 χ^2/NDF: 40.9/41

All: 0.026+/-0.051 χ^2/NDF: 98.1/84

- sign -0.020+/-0.067 χ^2/NDF: 56.1/42


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug
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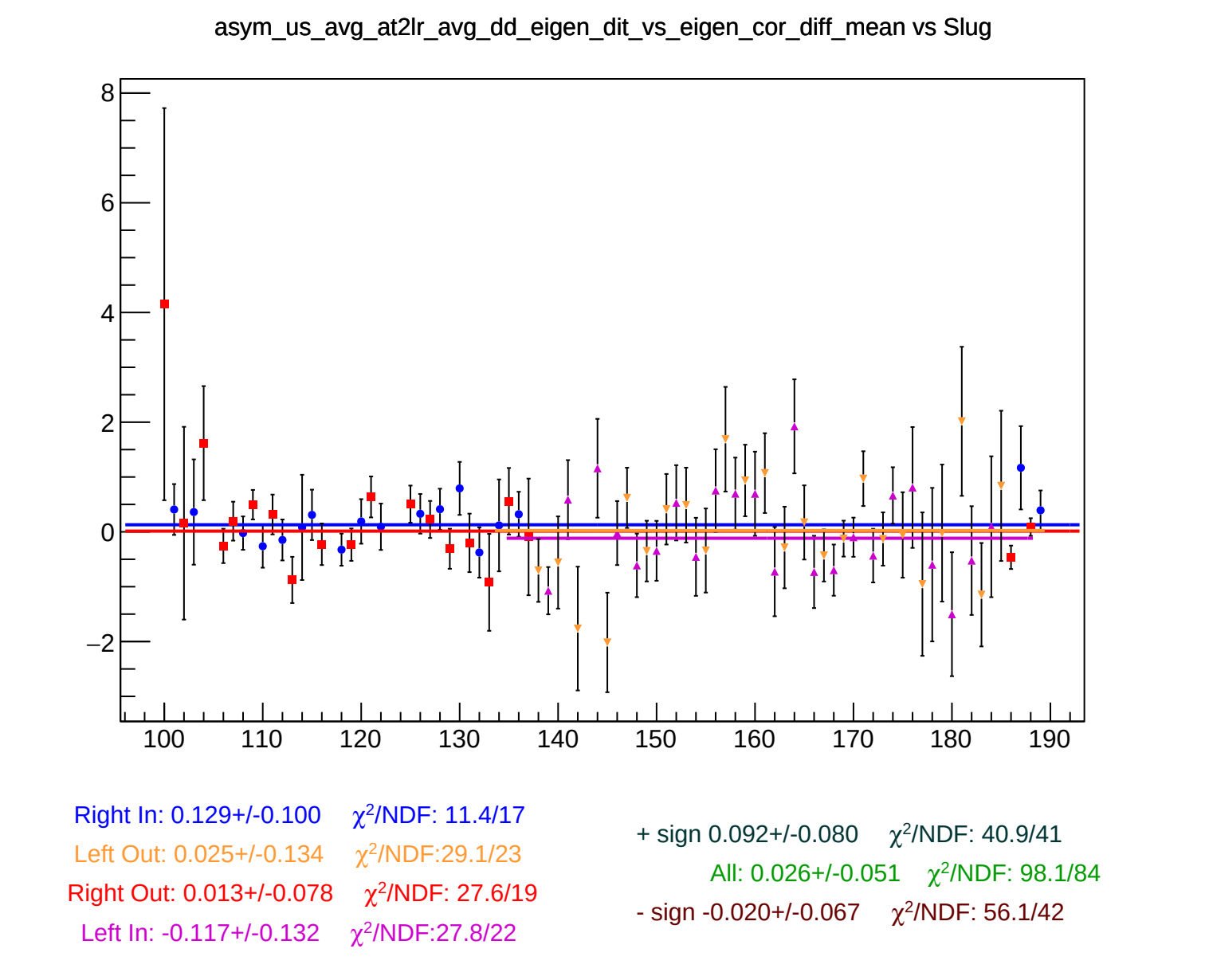
Right In: 264.880+/-0.071 χ²/NDF: 1298015.1/17
Left Out: 536.822+/-0.095 χ²/NDF:3963422.5/23
Right Out: 199.081+/-0.055 χ²/NDF: 2705125.8/19
Left In: 531.773+/-0.094 χ²/NDF:3381293.8/22
+ sign 362.221+/-0.057 χ²/NDF: 10552335.6/41
All: 316.233+/-0.036 χ²/NDF: 27147759.0/84
- sign 284.126+/-0.047 χ²/NDF: 15477382.4/42


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
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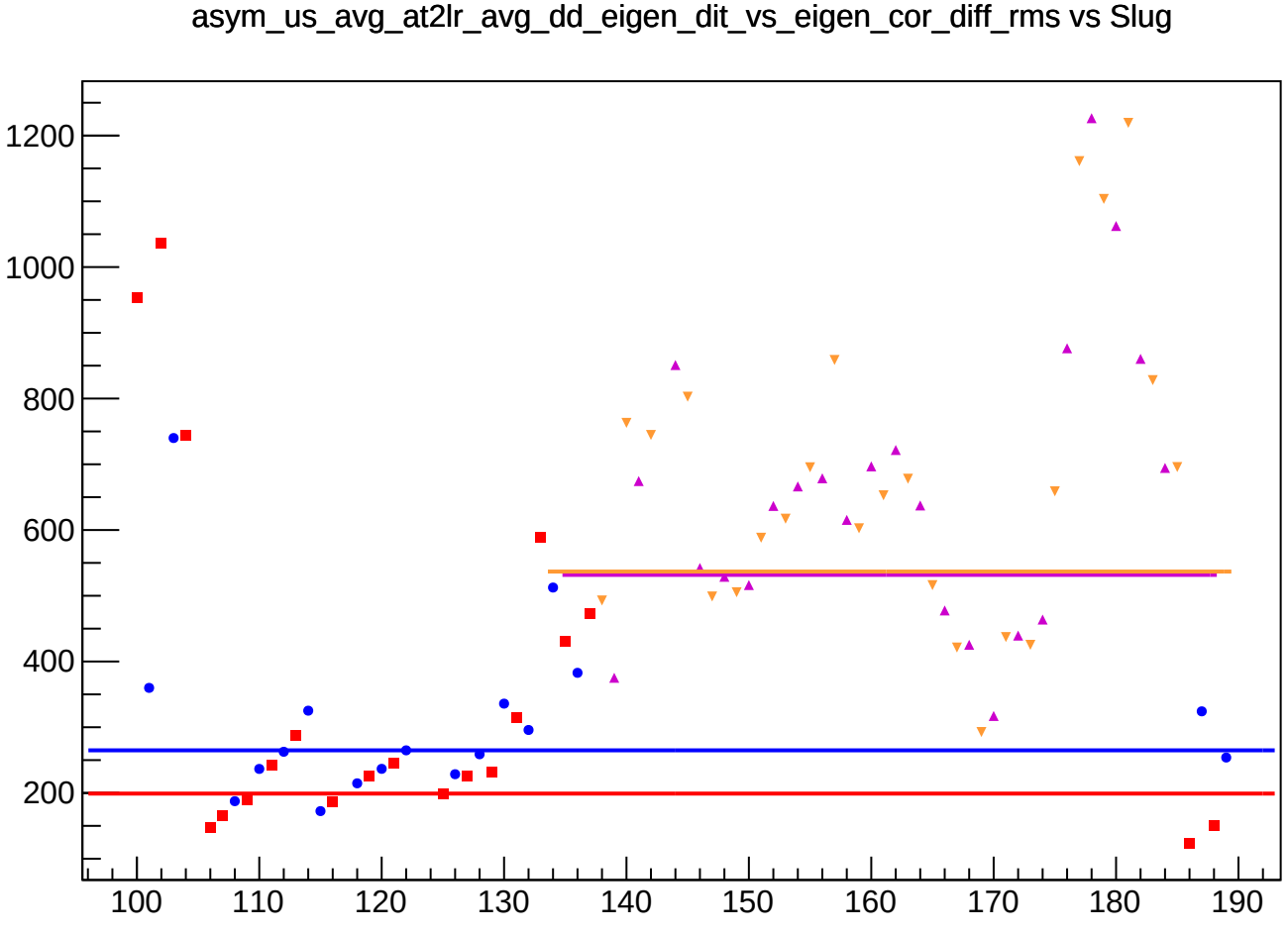
Right In: 0.129+/-0.100 χ²/NDF: 11.4/17
Left Out: 0.025+/-0.134 χ²/NDF:29.1/23
Right Out: 0.013+/-0.078 χ²/NDF: 27.6/19
Left In: -0.117+/-0.132 χ²/NDF:27.8/22
+ sign 0.092+/-0.080 χ²/NDF: 40.9/41
All: 0.026+/-0.051 χ²/NDF: 98.1/84
- sign -0.020+/-0.067 χ²/NDF: 56.1/42



Right In: 264.880+/-0.071 χ^2/NDF: 1298015.1/17

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

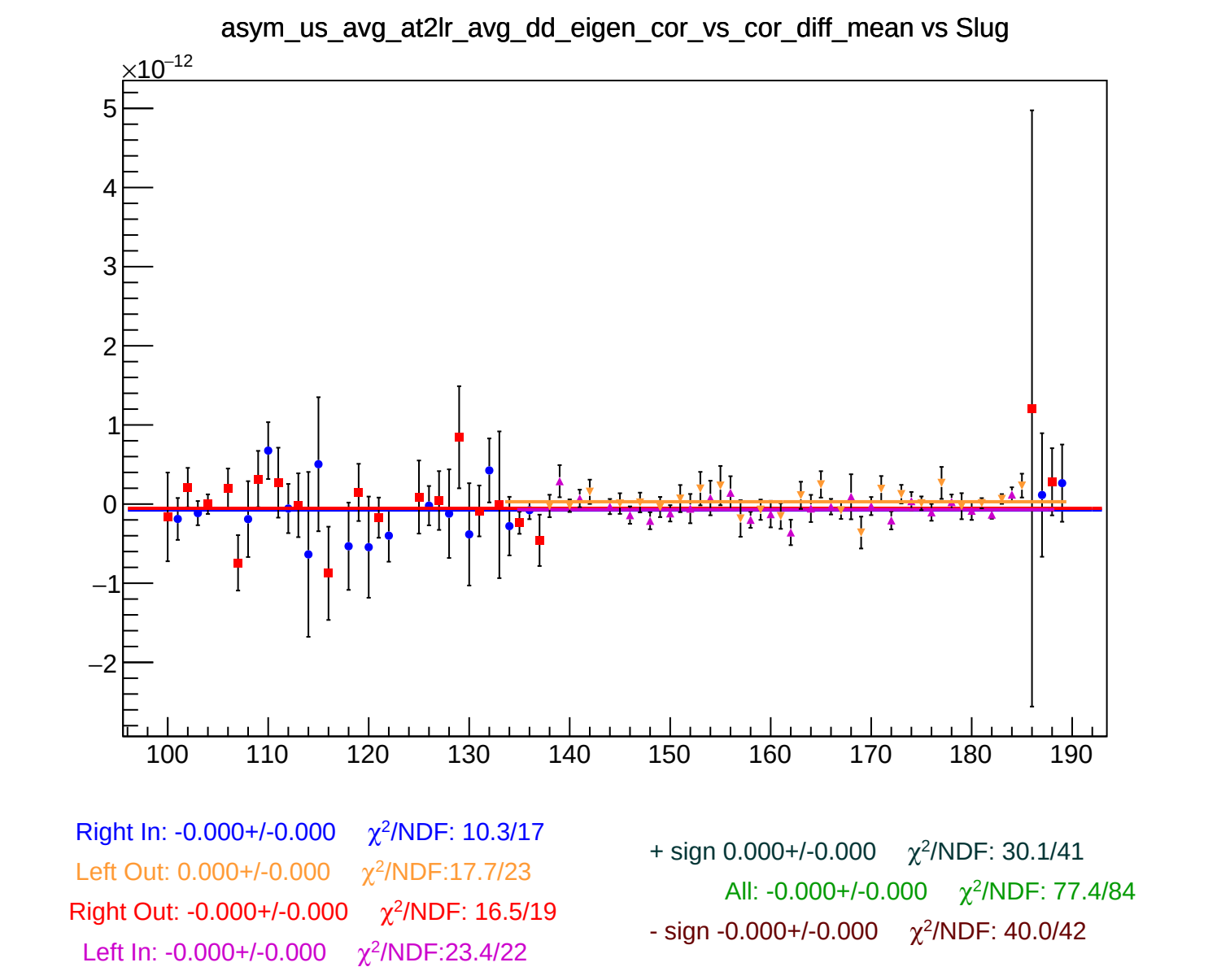
Right Out: 199.081+/-0.055 χ^2/NDF: 2705125.8/19

Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

+ sign 362.221+/-0.057 χ^2/NDF: 10552335.6/41

All: 316.233+/-0.036 χ^2/NDF: 27147759.0/84

- sign 284.126+/-0.047 χ^2/NDF: 15477382.4/42


asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug
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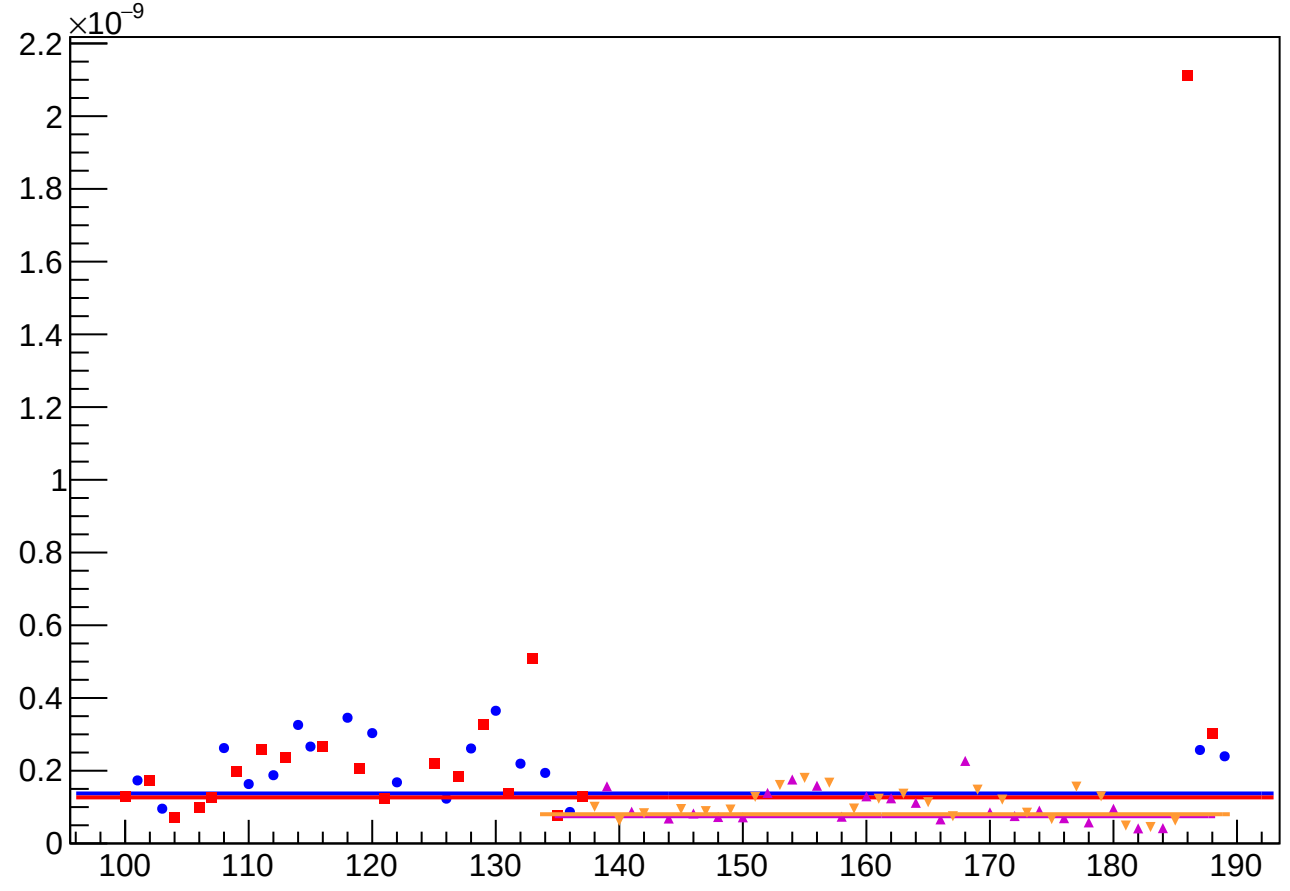
Right In: -0.000+/-0.000 χ²/NDF: 10.3/17
Left Out: 0.000+/-0.000 χ²/NDF:17.7/23
Right Out: -0.000+/-0.000 χ²/NDF: 16.5/19
Left In: -0.000+/-0.000 χ²/NDF:23.4/22
+ sign 0.000+/-0.000 χ²/NDF: 30.1/41
All: -0.000+/-0.000 χ²/NDF: 77.4/84
- sign -0.000+/-0.000 χ²/NDF: 40.0/42



Right In: 0.000+/-0.000 χ^2/NDF: 1953452.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:3732870.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2907799.5/19

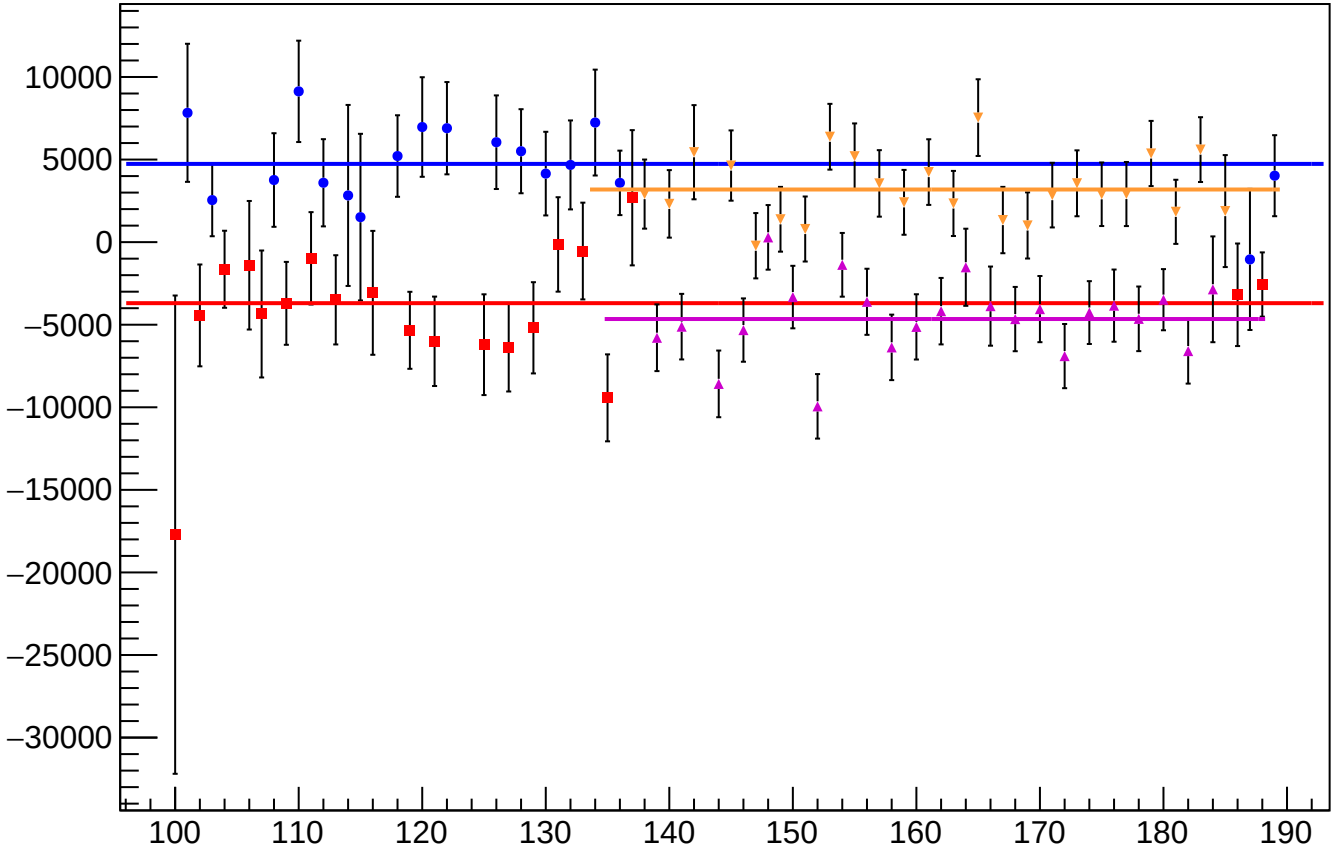
Left In: 0.000+/-0.000 χ^2/NDF:3665599.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 6929676.4/41

All: 0.000+/-0.000 χ^2/NDF: 14736049.3/84

- sign 0.000+/-0.000 χ^2/NDF: 7736096.6/42

reg_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4737.521+/-664.019 χ^2/NDF: 8.9/17

Left Out: 3187.125+/-418.619 χ^2/NDF:19.9/23

Right Out: -3695.154+/-641.012 χ^2/NDF: 16.6/19

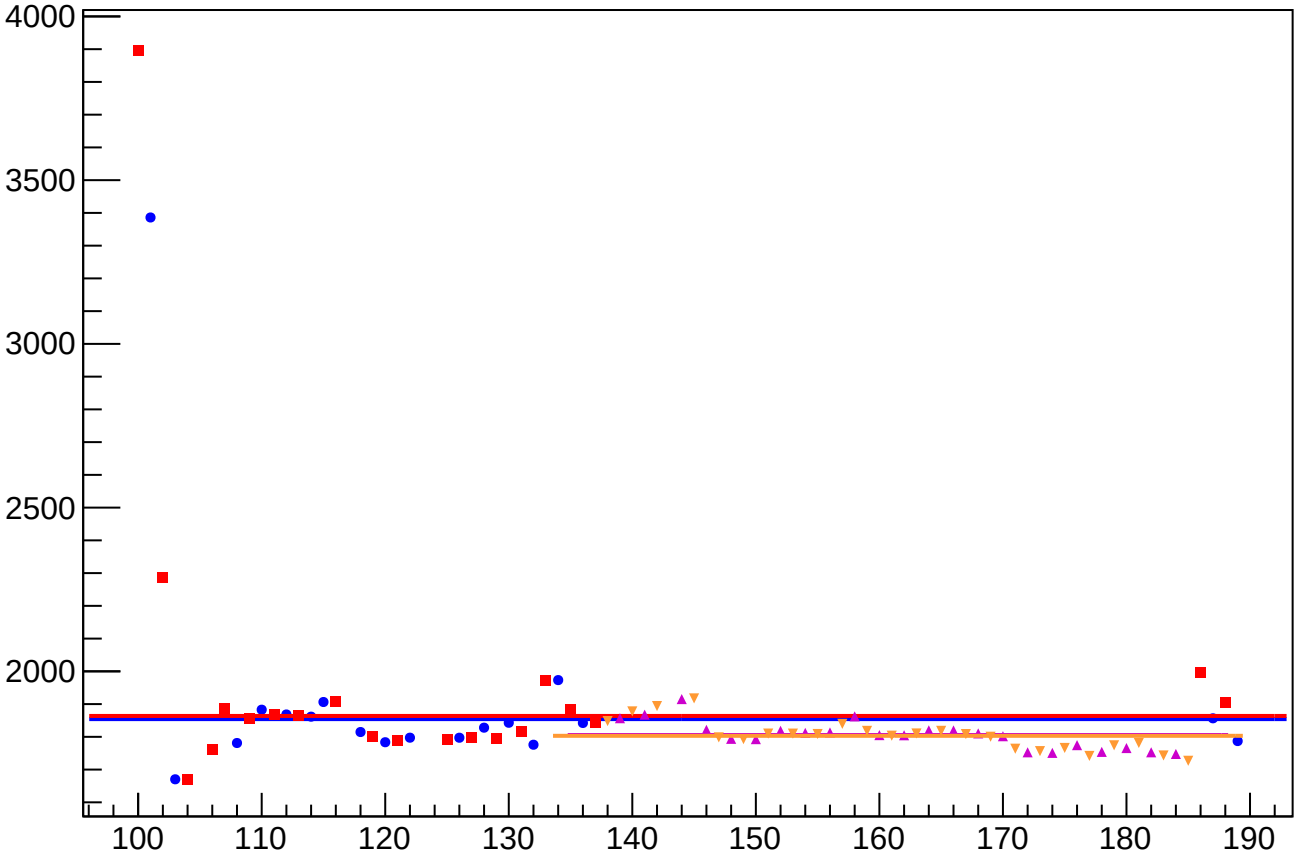
Left In: -4655.206+/-421.691 χ^2/NDF:27.7/22

+ sign 3628.069+/-354.121 χ^2/NDF: 32.6/41

All: -389.235+/-249.753 χ^2/NDF: 334.5/84

- sign -4365.221+/-352.295 χ^2/NDF: 45.9/42

reg_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1854.136+/-0.470 χ^2/NDF: 293945.6/17

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

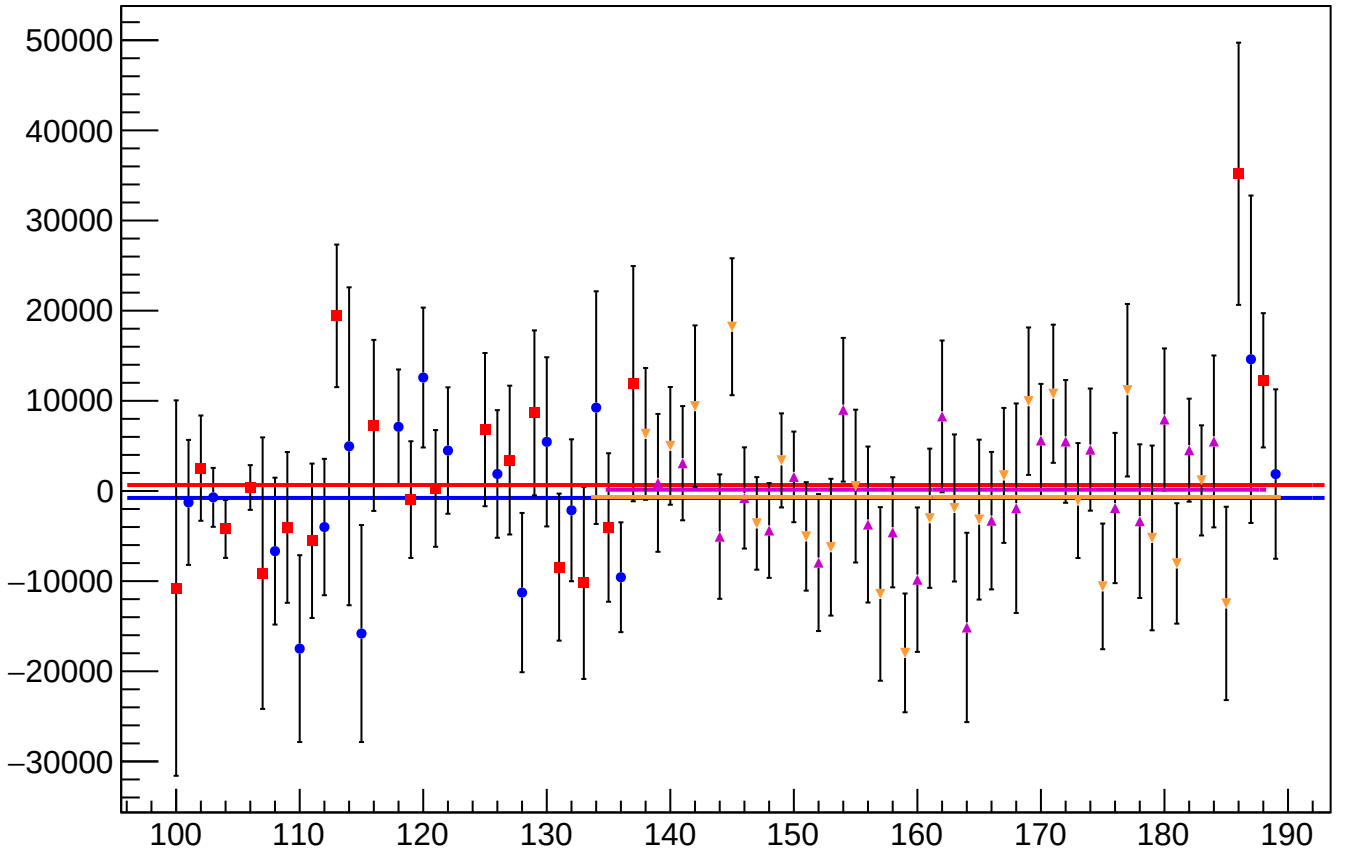
Right Out: 1863.787+/-0.452 χ^2/NDF: 107319.0/19

Left In: 1805.559+/-0.298 χ^2/NDF:19314.7/22

\+ sign 1817.625+/-0.250 χ^2/NDF: 323036.2/41

All: 1820.434+/-0.177 χ^2/NDF: 461479.9/84

\- sign 1823.210+/-0.249 χ^2/NDF: 138193.5/42



Right In: -771.785+/-1726.038 χ^2/NDF: 15.6/17

Left Out: -667.243+/-1478.798 χ^2/NDF:29.8/23

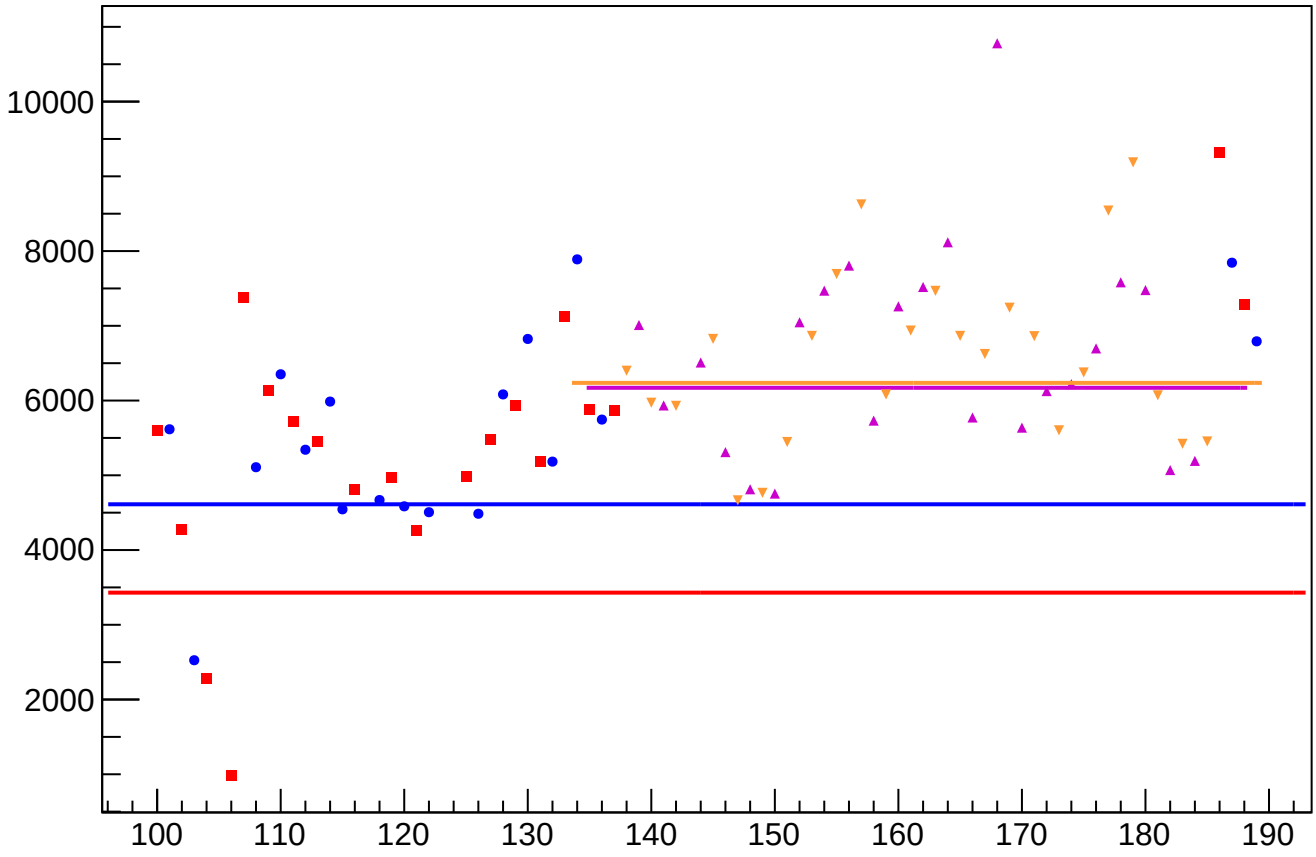
Right Out: 659.921+/-1405.795 χ^2/NDF: 23.0/19

Left In: 143.435+/-1471.371 χ^2/NDF:13.6/22

\+ sign -711.497+/-1123.000 χ^2/NDF: 45.3/41

All: -93.134+/-753.596 χ^2/NDF: 82.5/84

\- sign 413.444+/-1016.440 χ^2/NDF: 36.6/42



Right In: 4612.146+/-1.220 χ^2/NDF: 1499552.0/17

Left Out: 6236.636+/-1.046 χ^2/NDF:1067659.4/23

Right Out: 3430.071+/-0.994 χ^2/NDF: 4859614.6/19

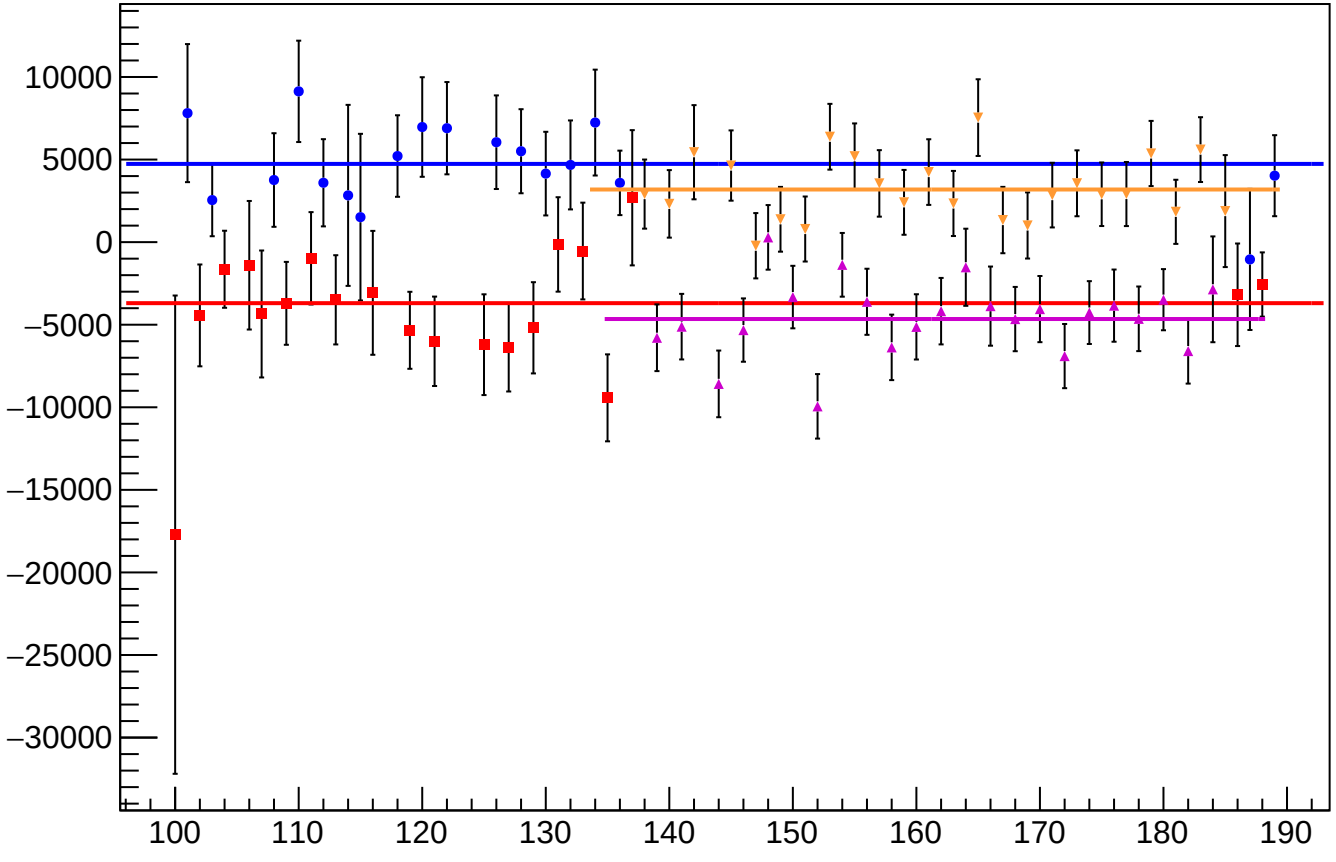
Left In: 6170.791+/-1.040 χ^2/NDF:1237554.5/22

+ sign 5548.972+/-0.794 χ^2/NDF: 3588869.6/41

All: 5103.192+/-0.533 χ^2/NDF: 13887080.0/8

- sign 4737.998+/-0.719 χ^2/NDF: 9724889.7/42

cor_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4737.131+/-664.020 χ^2/NDF: 8.8/17

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: -3694.926+/-641.012 χ^2/NDF: 16.6/19

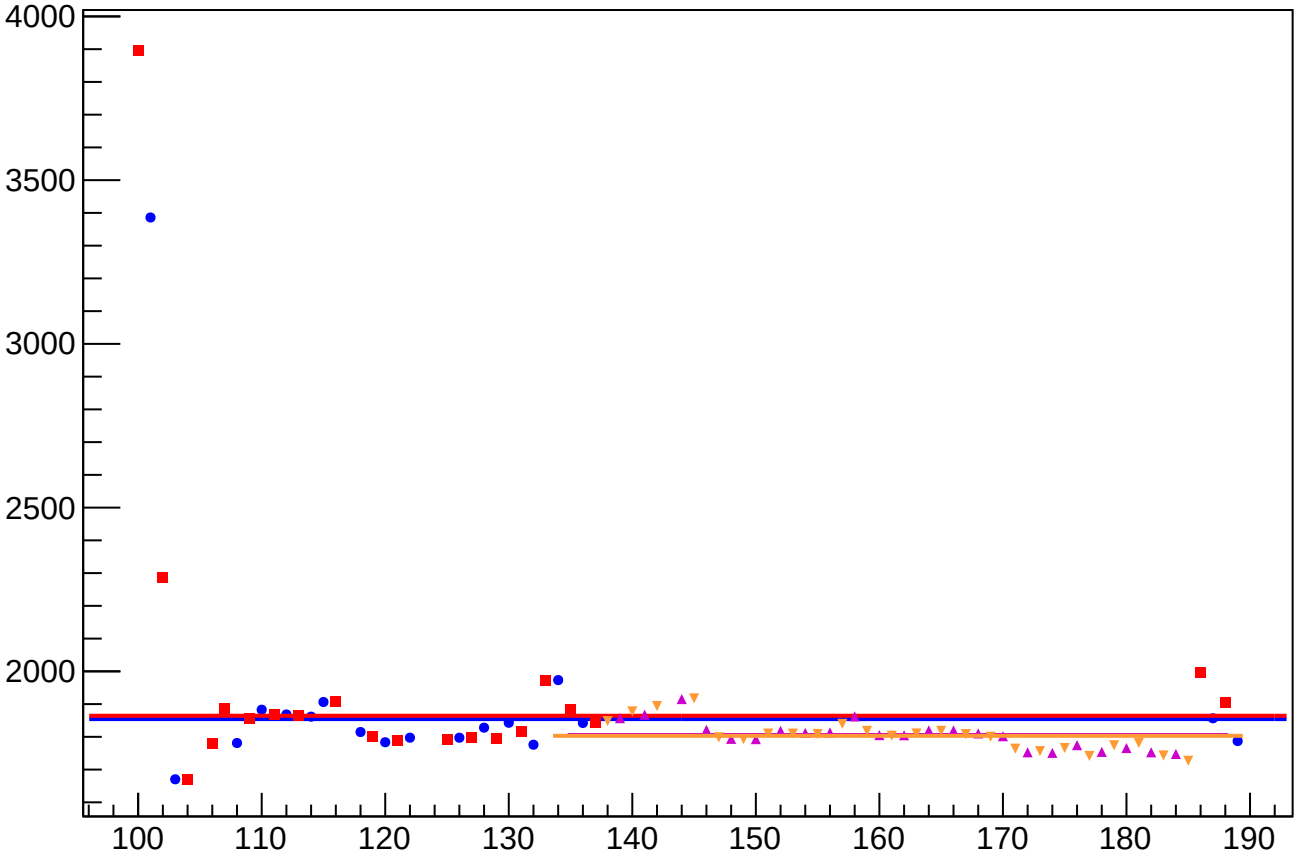
Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

+ sign 3627.909+/-354.121 χ^2/NDF: 32.6/41

All: -389.287+/-249.753 χ^2/NDF: 334.5/84

- sign -4365.165+/-352.295 χ^2/NDF: 45.9/42

cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1854.136+/-0.470 χ^2/NDF: 293947.5/17

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

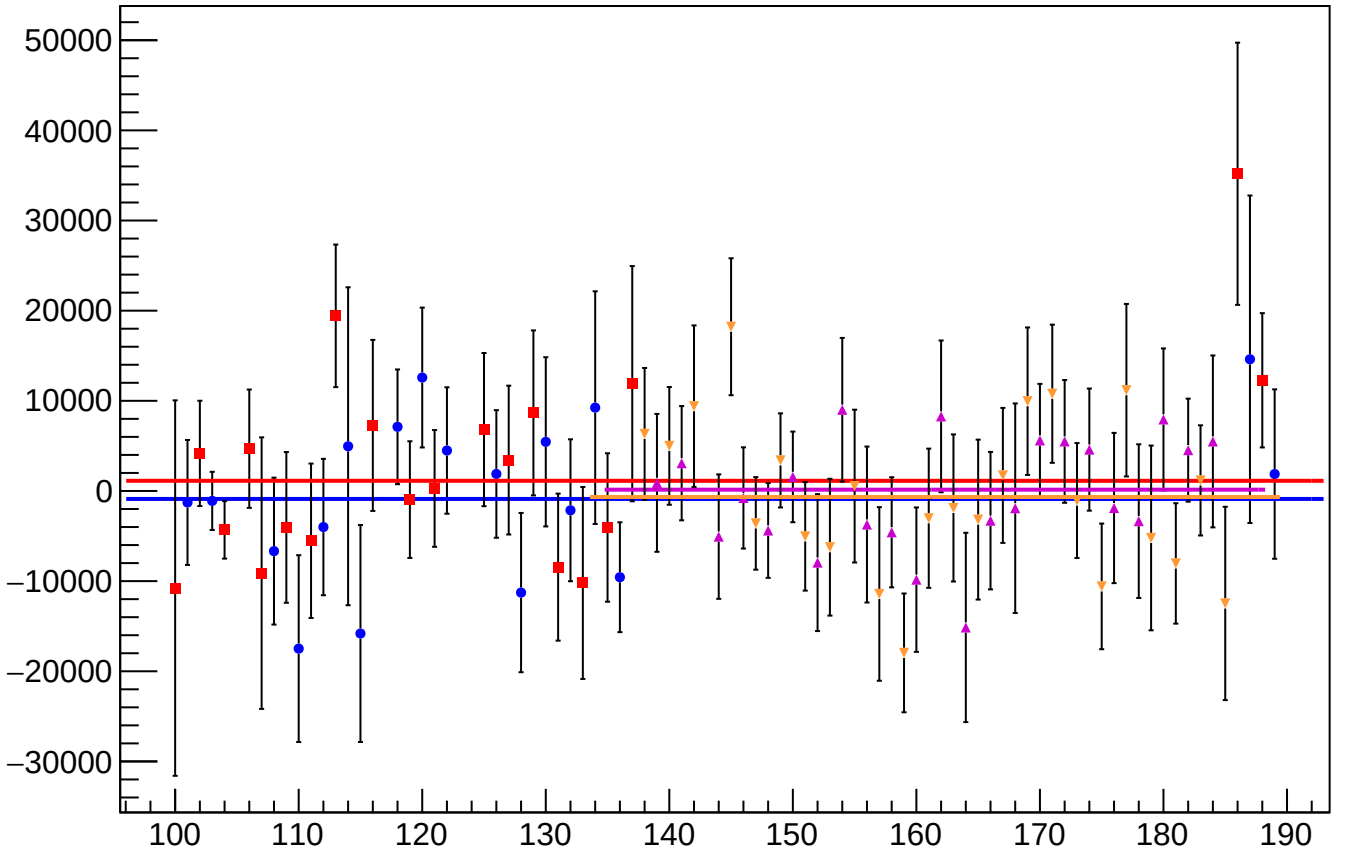
Right Out: 1864.392+/-0.452 χ^2/NDF: 106788.2/19

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

+ sign 1817.625+/-0.250 χ^2/NDF: 323038.1/41

All: 1820.523+/-0.177 χ^2/NDF: 461204.2/84

- sign 1823.387+/-0.249 χ^2/NDF: 137899.9/42



Right In: -883.780+/-1720.132 χ^2/NDF: 15.6/17

Left Out: -667.245+/-1478.798 χ^2/NDF:29.8/23

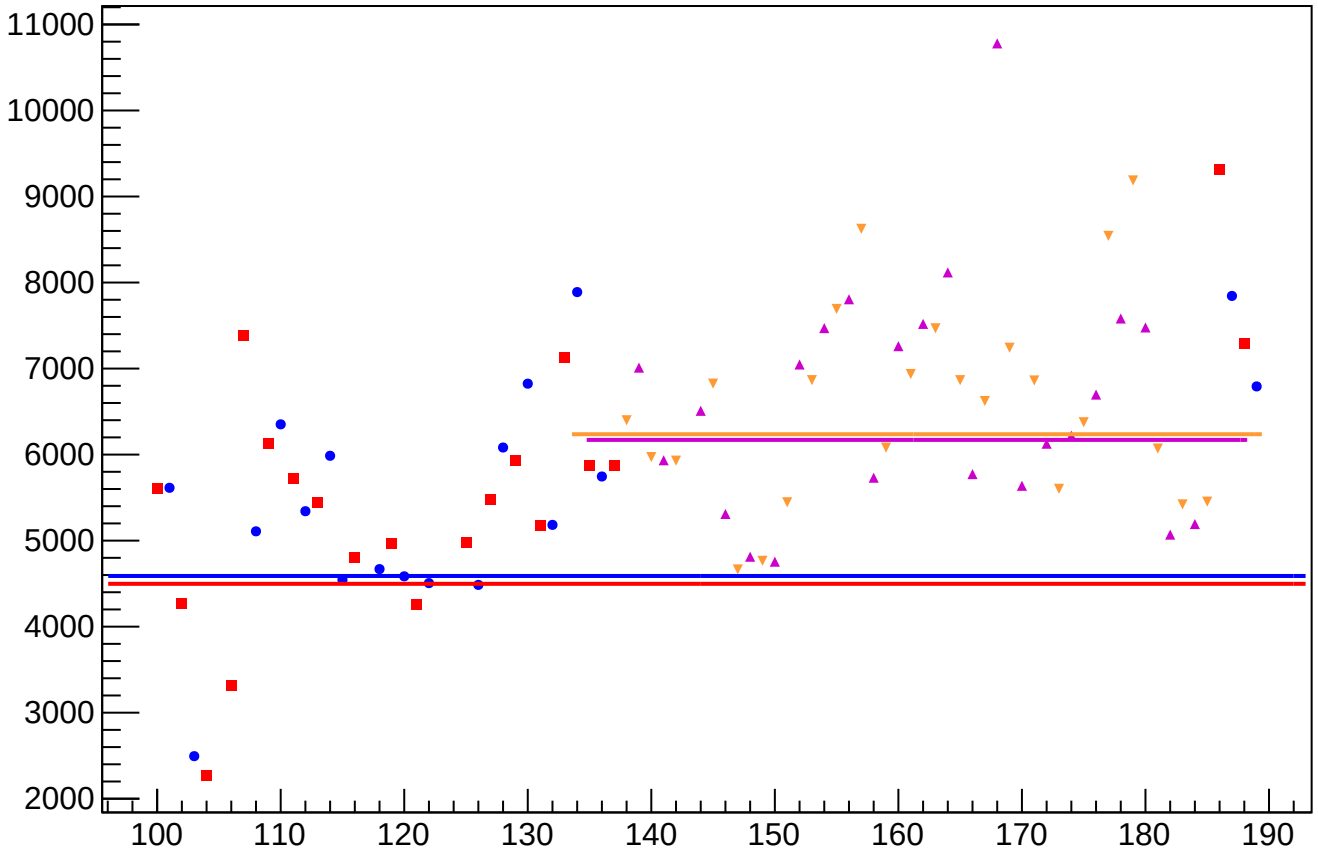
Right Out: 1127.570+/-1648.934 χ^2/NDF: 23.6/19

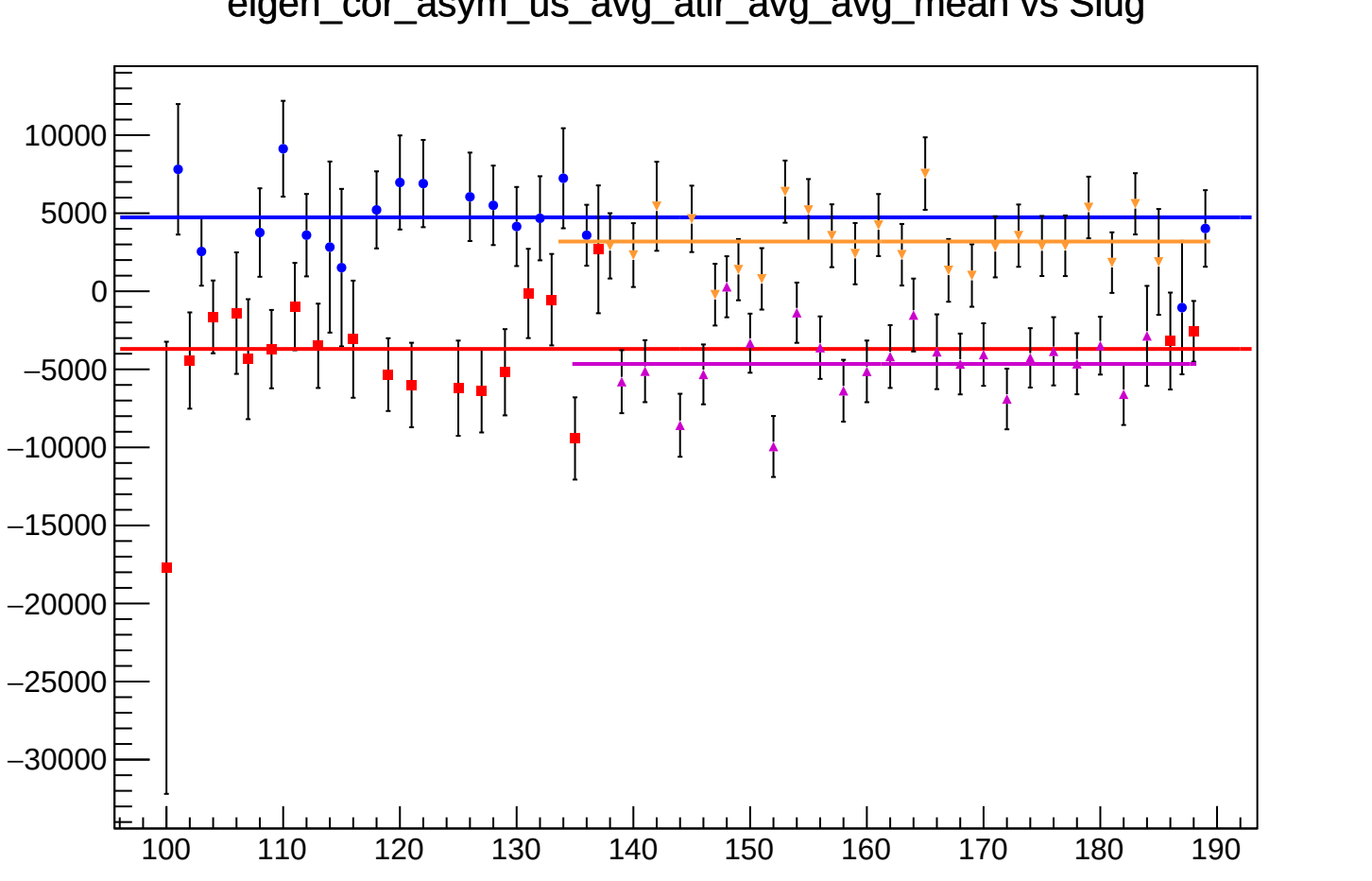
Left In: 143.369+/-1471.371 χ^2/NDF:13.6/22

+ sign -759.269+/-1121.369 χ^2/NDF: 45.3/41

All: -75.622+/-784.479 χ^2/NDF: 83.5/84

- sign 579.644+/-1097.846 χ^2/NDF: 37.4/42


asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
180
190
Right In: 4589.131+/-1.216 χ²/NDF: 1543981.3/17
Left Out: 6236.635+/-1.046 χ²/NDF:1067665.4/23
Right Out: 4497.873+/-1.166 χ²/NDF: 2080840.0/19
Left In: 6170.789+/-1.040 χ²/NDF:1237564.5/22
+ sign 5536.471+/-0.793 χ²/NDF: 3666613.4/41
All: 5481.710+/-0.555 χ²/NDF: 8140426.9/84
- sign 5429.222+/-0.776 χ²/NDF: 4464472.4/42



Right In: 4737.131+/-664.020 χ^2/NDF: 8.8/17

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: -3694.926+/-641.012 χ^2/NDF: 16.6/19

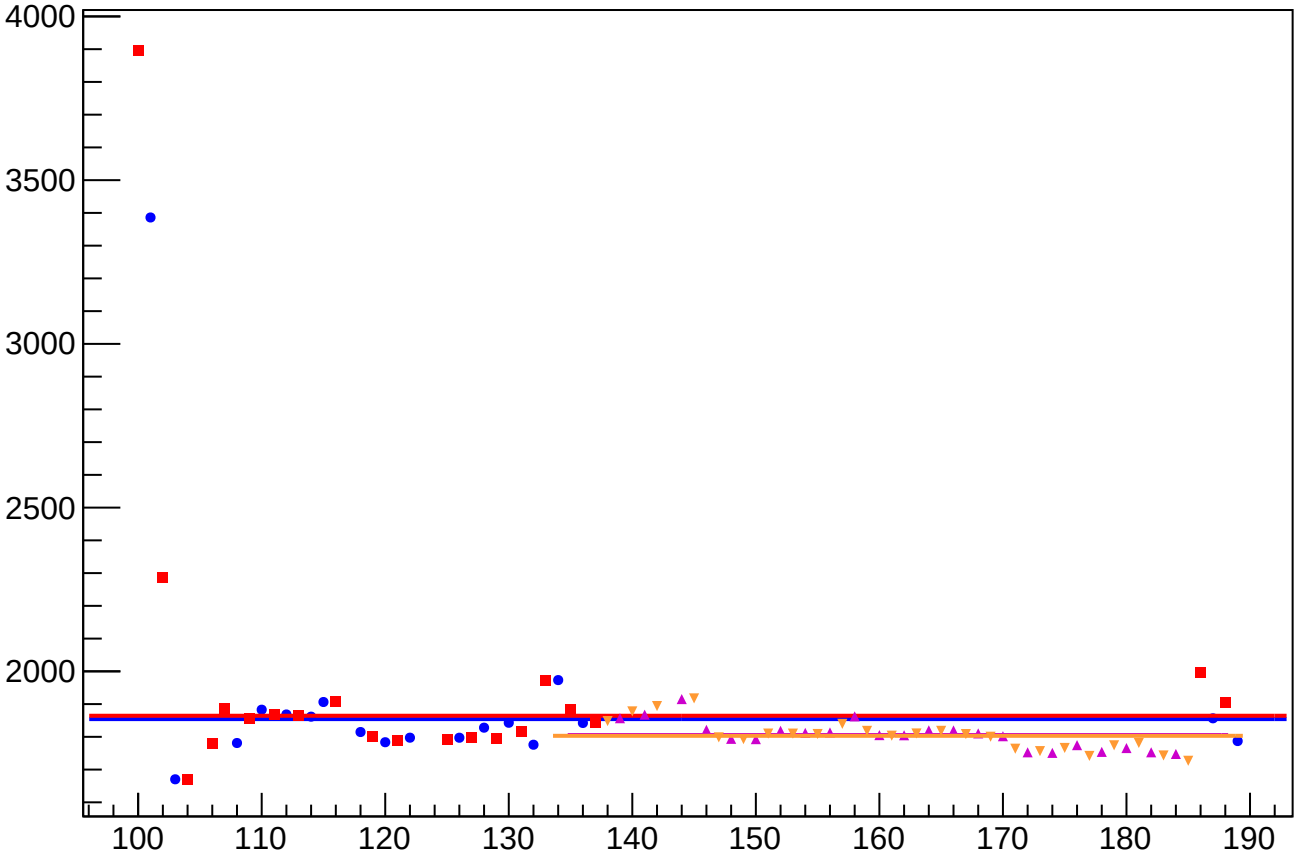
Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

\+ sign 3627.909+/-354.121 χ^2/NDF: 32.6/41

All: -389.287+/-249.753 χ^2/NDF: 334.5/84

\- sign -4365.165+/-352.295 χ^2/NDF: 45.9/42

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1854.136+/-0.470 χ^2/NDF: 293947.5/17

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

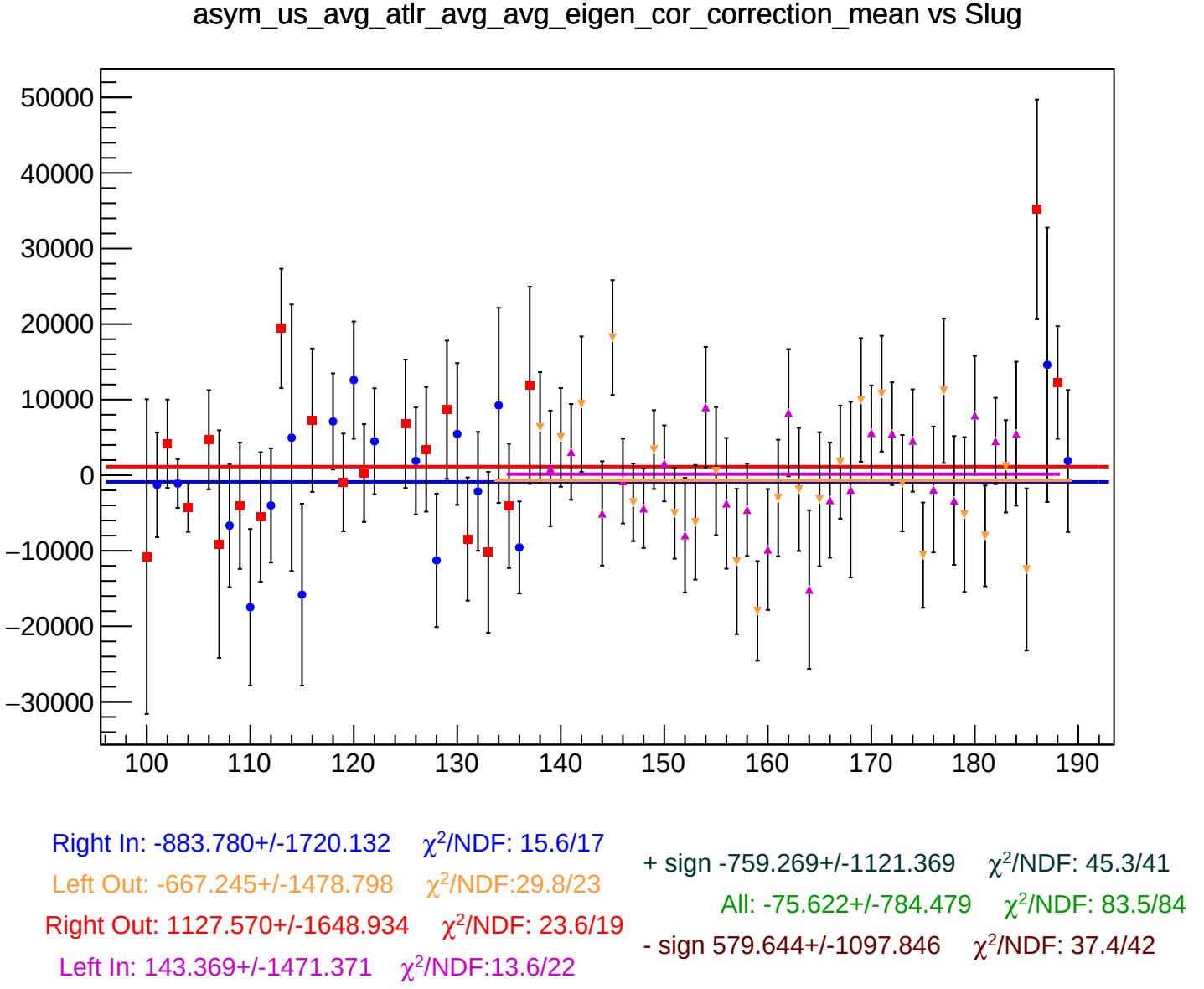
Right Out: 1864.392+/-0.452 χ^2/NDF: 106788.2/19

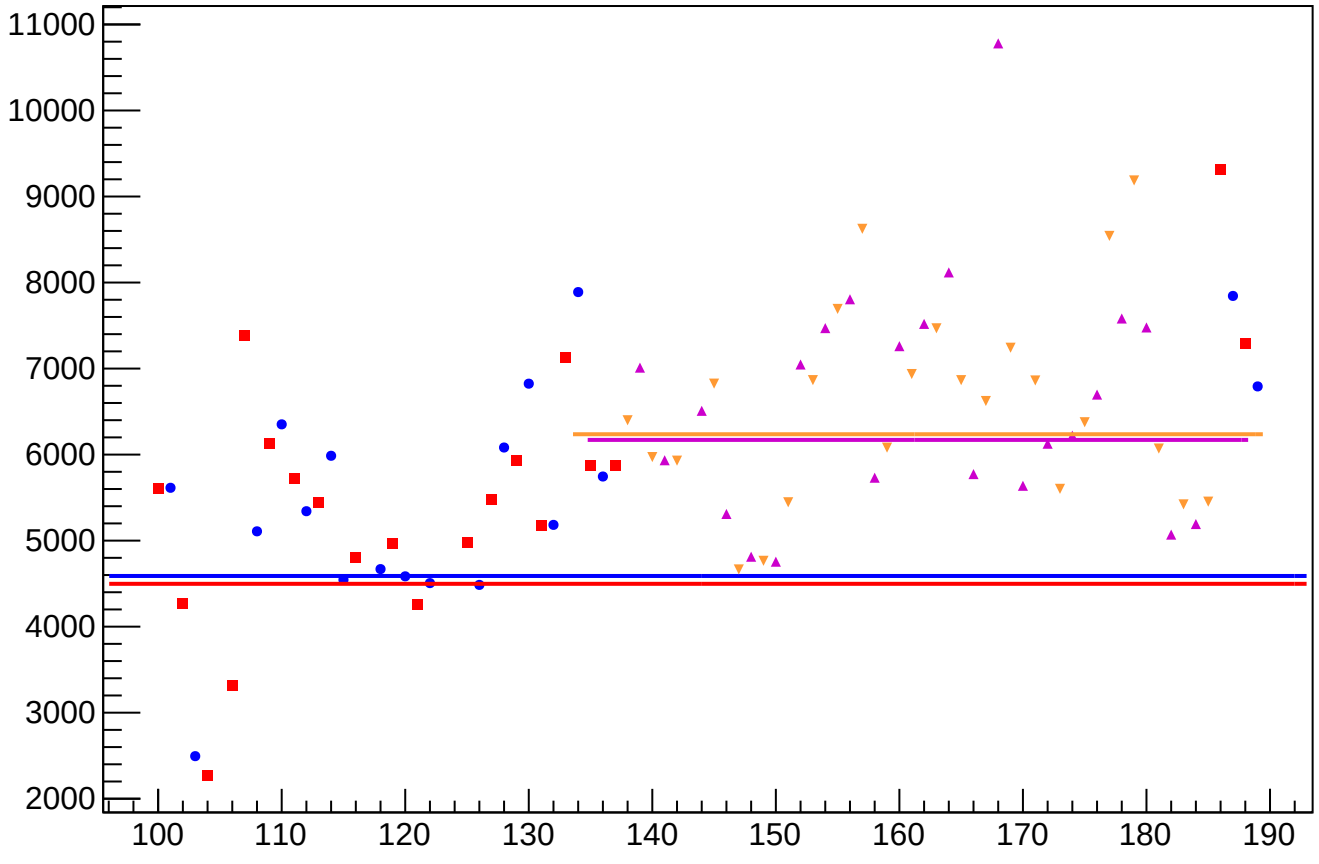
Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

\+ sign 1817.625+/-0.250 χ^2/NDF: 323038.1/41

All: 1820.523+/-0.177 χ^2/NDF: 461204.2/84

\- sign 1823.387+/-0.249 χ^2/NDF: 137899.9/42


asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs Slug
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: -883.780+/-1720.132 χ²/NDF: 15.6/17
Left Out: -667.245+/-1478.798 χ²/NDF:29.8/23
Right Out: 1127.570+/-1648.934 χ²/NDF: 23.6/19
Left In: 143.369+/-1471.371 χ²/NDF:13.6/22
+ sign -759.269+/-1121.369 χ²/NDF: 45.3/41
All: -75.622+/-784.479 χ²/NDF: 83.5/84
- sign 579.644+/-1097.846 χ²/NDF: 37.4/42



Right In: 4589.131+/-1.216 χ^2/NDF: 1543981.3/17

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

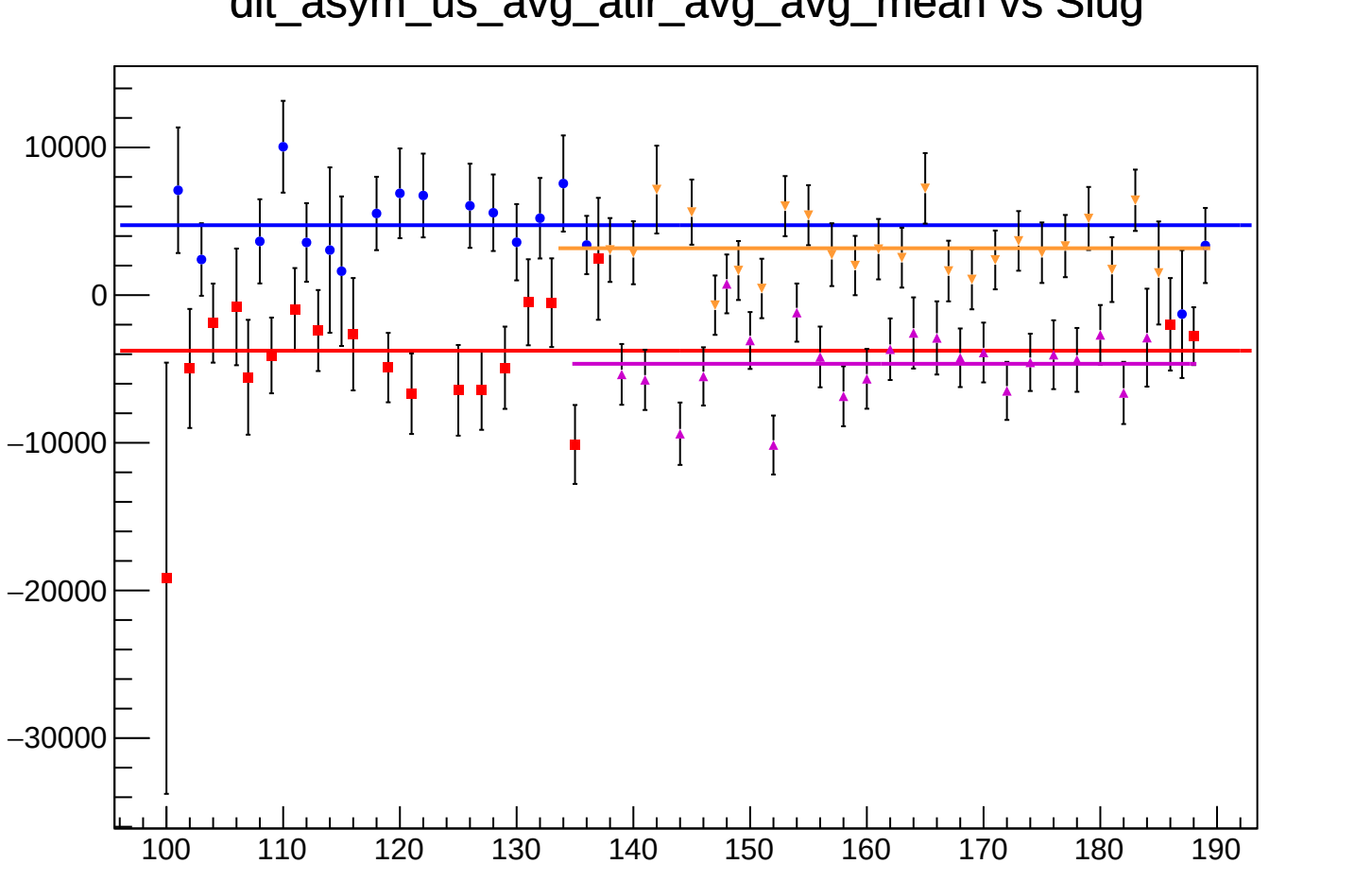
Right Out: 4497.873+/-1.166 χ^2/NDF: 2080840.0/19

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

+ sign 5536.471+/-0.793 χ^2/NDF: 3666613.4/41

All: 5481.710+/-0.555 χ^2/NDF: 8140426.9/84

- sign 5429.222+/-0.776 χ^2/NDF: 4464472.4/42



Right In: 4735.232+/-678.985 χ^2/NDF: 10.0/17

Left Out: 3174.550+/-434.815 χ^2/NDF:21.6/23

Right Out: -3762.109+/-659.792 χ^2/NDF: 18.1/19

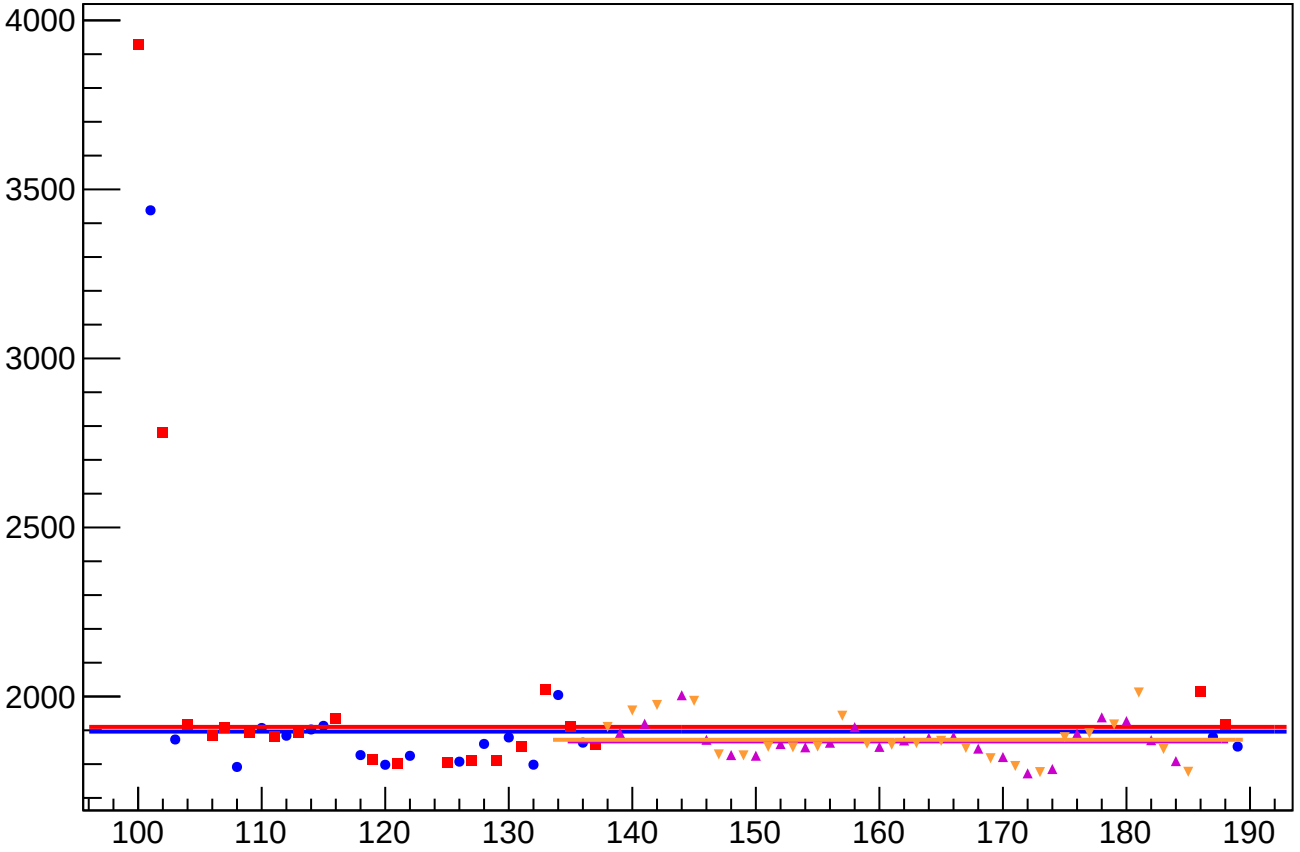
Left In: -4650.461+/-436.198 χ^2/NDF:30.5/22

+ sign 3628.443+/-366.167 χ^2/NDF: 35.3/41

All: -401.138+/-258.103 χ^2/NDF: 325.9/84

- sign -4380.277+/-363.868 χ^2/NDF: 49.9/42

dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1896.186+/-0.480 χ^2/NDF: 279141.8/17

Left Out: 1871.979+/-0.307 χ^2/NDF:37154.8/23

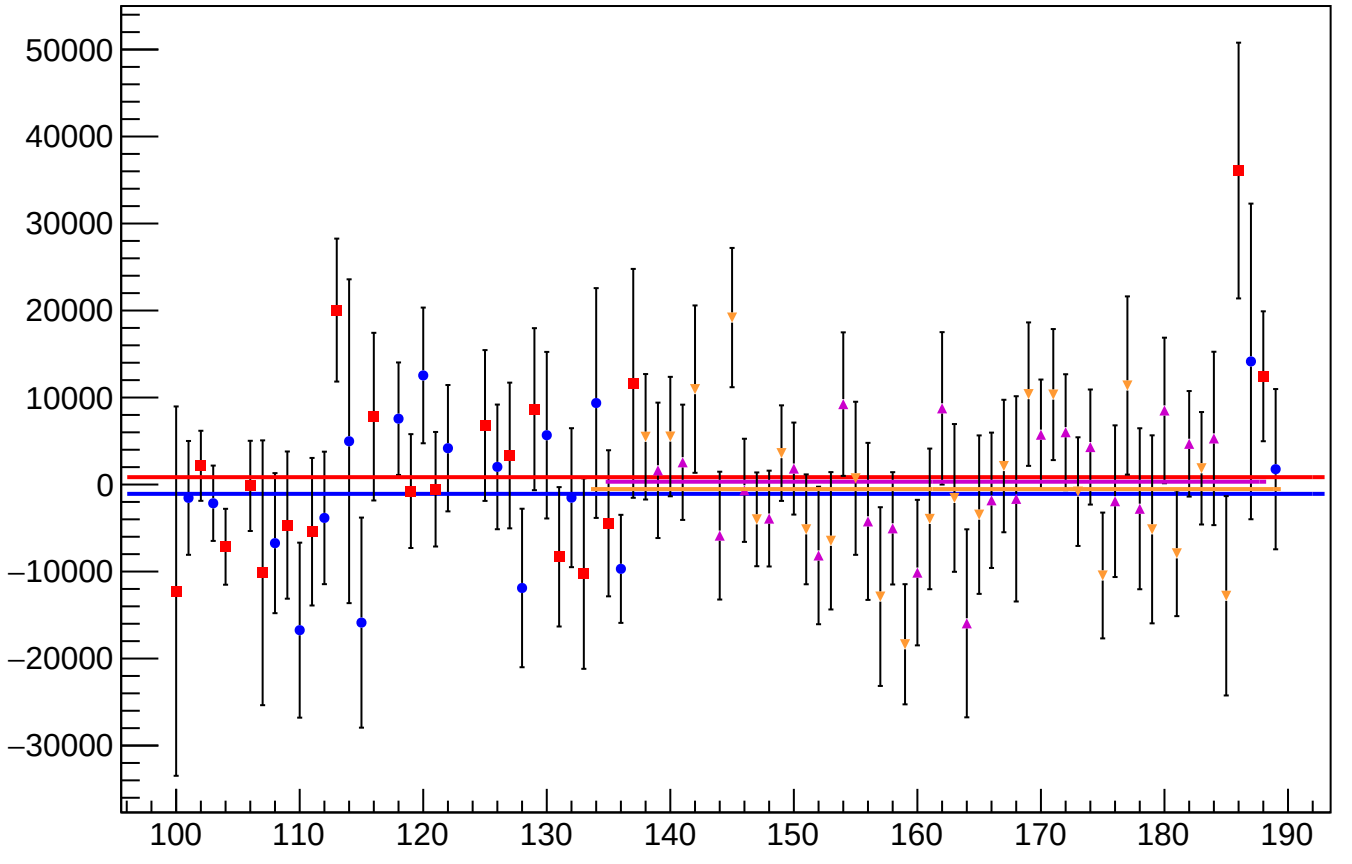
Right Out: 1910.146+/-0.466 χ^2/NDF: 152511.8/19

Left In: 1867.079+/-0.308 χ^2/NDF:27246.7/22

+ sign 1879.019+/-0.259 χ^2/NDF: 318099.3/41

All: 1879.611+/-0.182 χ^2/NDF: 503805.4/84

- sign 1880.194+/-0.257 χ^2/NDF: 185695.8/42



Right In: -1070.088+/-1847.387 χ^2/NDF: 15.5/17

Left Out: -520.262+/-1536.784 χ^2/NDF:29.2/23

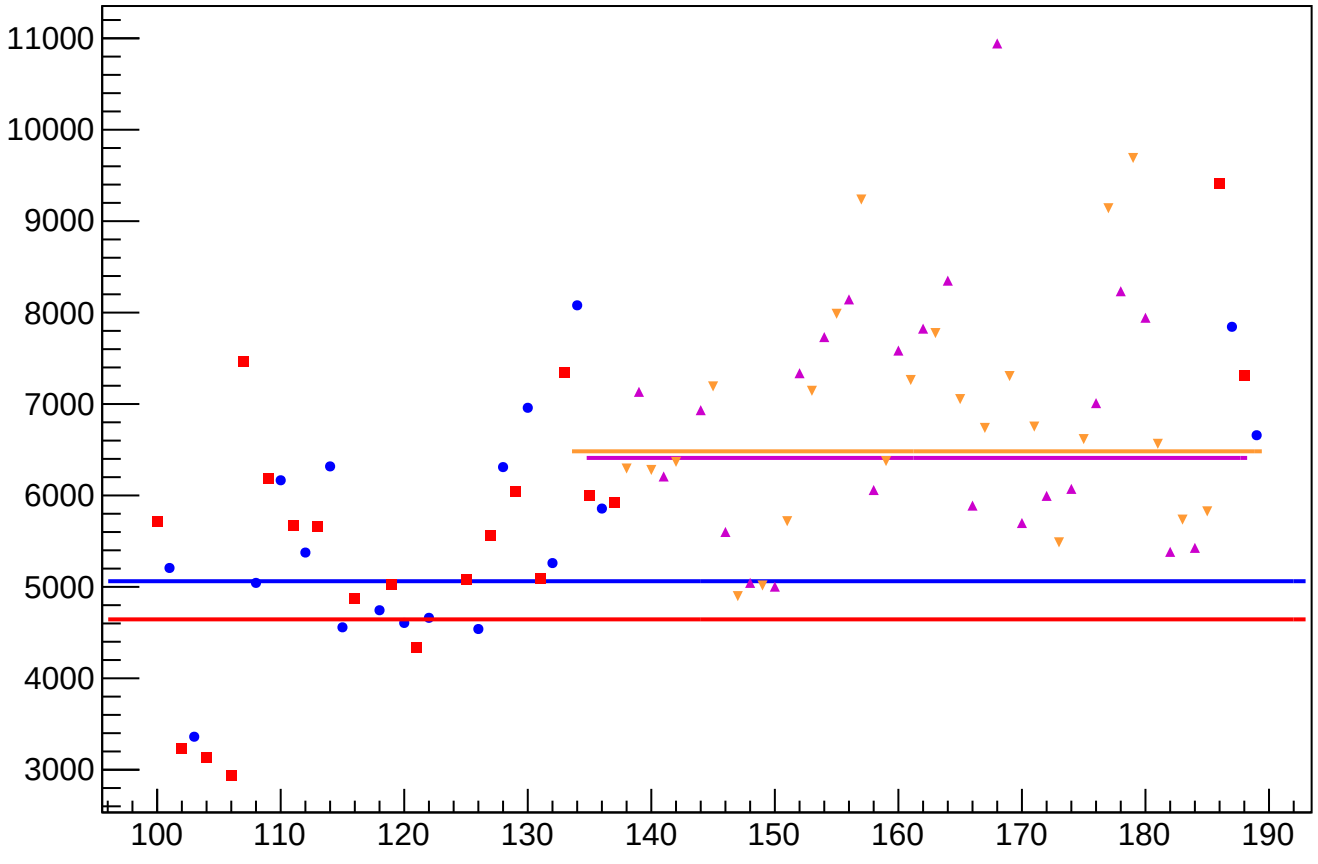
Right Out: 847.501+/-1658.664 χ^2/NDF: 24.3/19

Left In: 324.625+/-1527.995 χ^2/NDF:13.4/22

+ sign -745.133+/-1181.441 χ^2/NDF: 44.8/41

All: -57.517+/-814.267 χ^2/NDF: 83.2/84

- sign 564.658+/-1123.815 χ^2/NDF: 37.7/42



Right In: 5062.073+/-1.306 χ^2/NDF: 739909.2/17

Left Out: 6482.730+/-1.087 χ^2/NDF:1074584.9/23

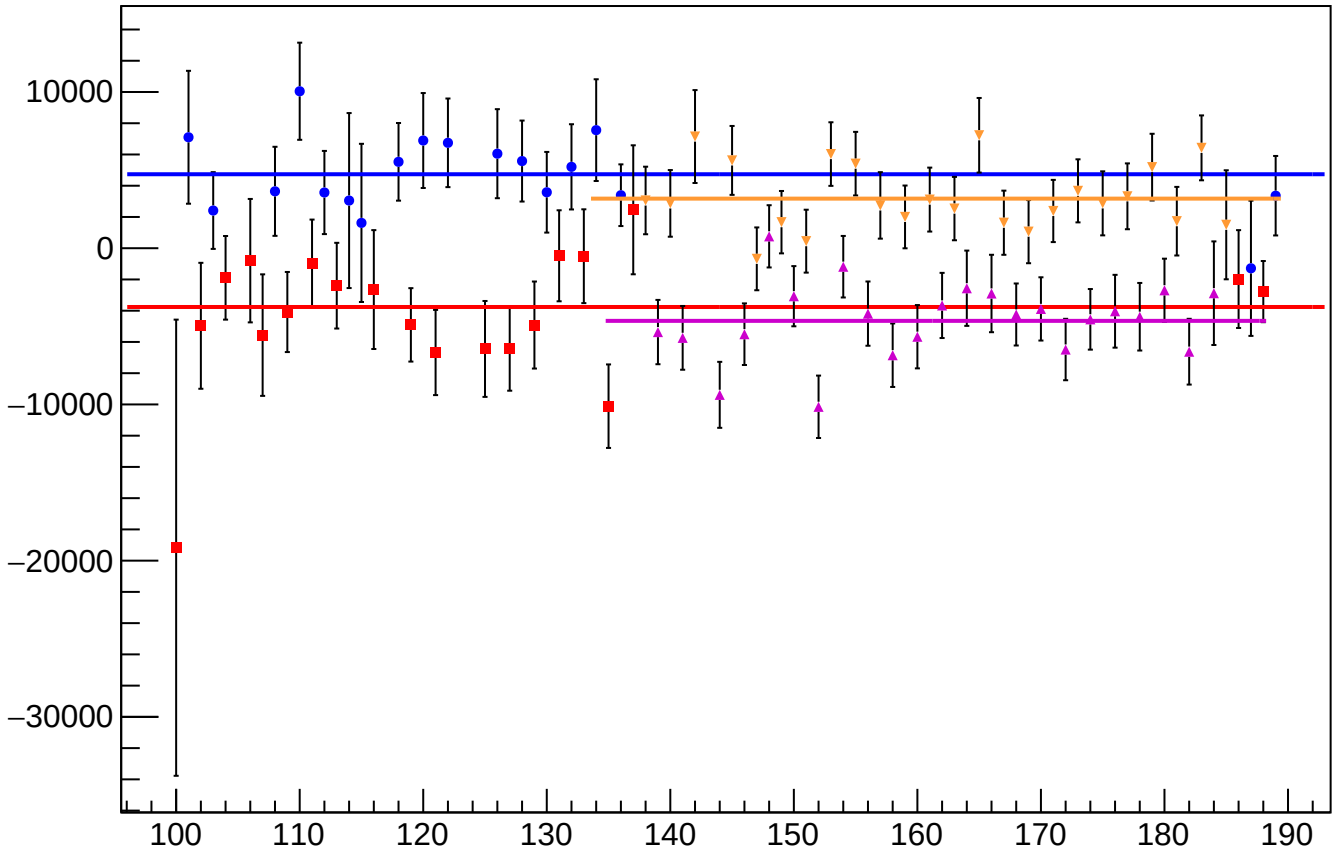
Right Out: 4644.731+/-1.173 χ^2/NDF: 1652772.3/19

Left In: 6410.419+/-1.080 χ^2/NDF:1219830.0/22

+ sign 5901.702+/-0.835 χ^2/NDF: 2513515.1/41

All: 5743.238+/-0.576 χ^2/NDF: 6680644.1/84

- sign 5599.855+/-0.795 χ^2/NDF: 4098592.4/42



Right In: 4735.232+/-678.984 χ^2/NDF: 10.0/17

Left Out: 3174.543+/-434.815 χ^2/NDF:21.6/23

Right Out: -3762.108+/-659.792 χ^2/NDF: 18.1/19

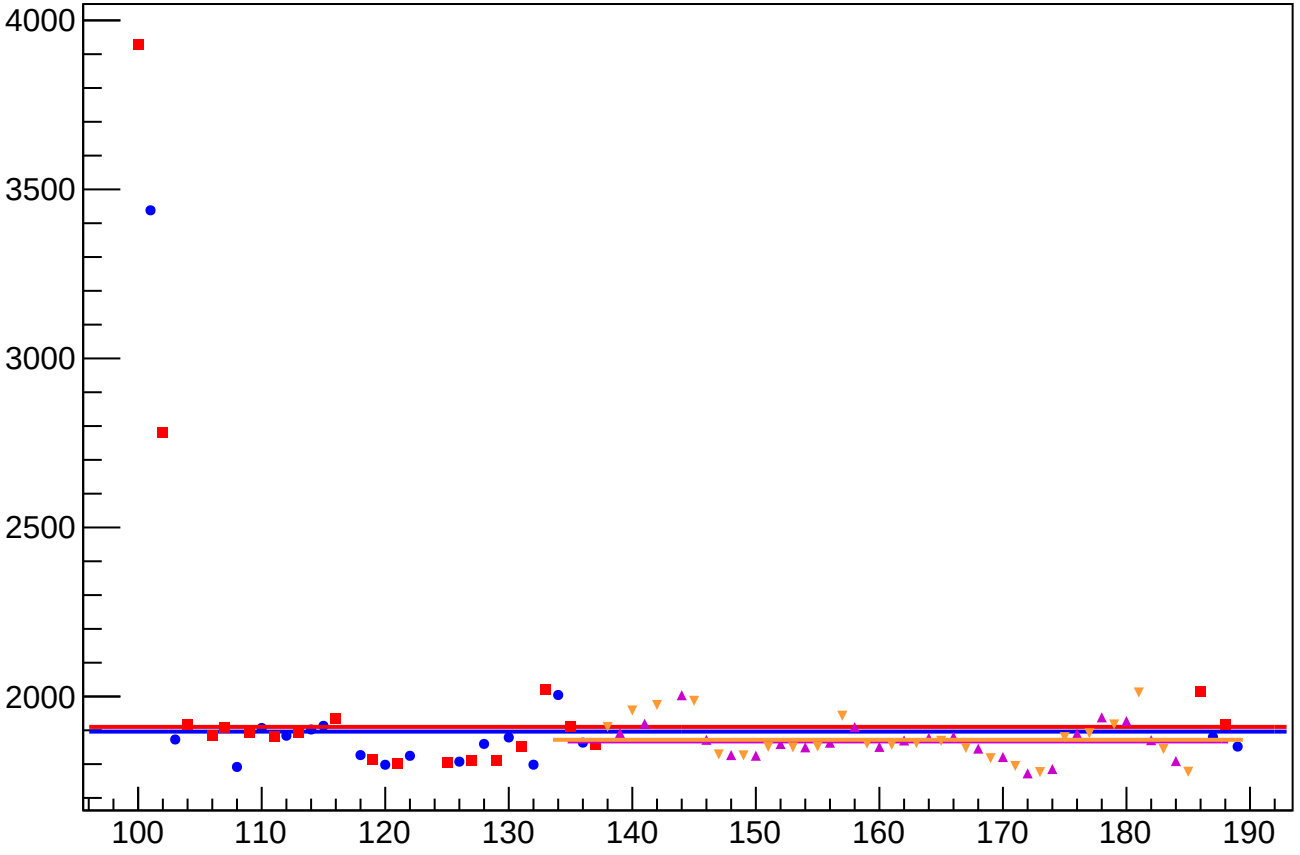
Left In: -4650.462+/-436.198 χ^2/NDF:30.5/22

+ sign 3628.439+/-366.168 χ^2/NDF: 35.3/41

All: -401.140+/-258.103 χ^2/NDF: 325.9/84

- sign -4380.277+/-363.869 χ^2/NDF: 49.9/42

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1896.185+/-0.480 χ^2/NDF: 279142.0/17

Left Out: 1871.981+/-0.307 χ^2/NDF:37155.9/23

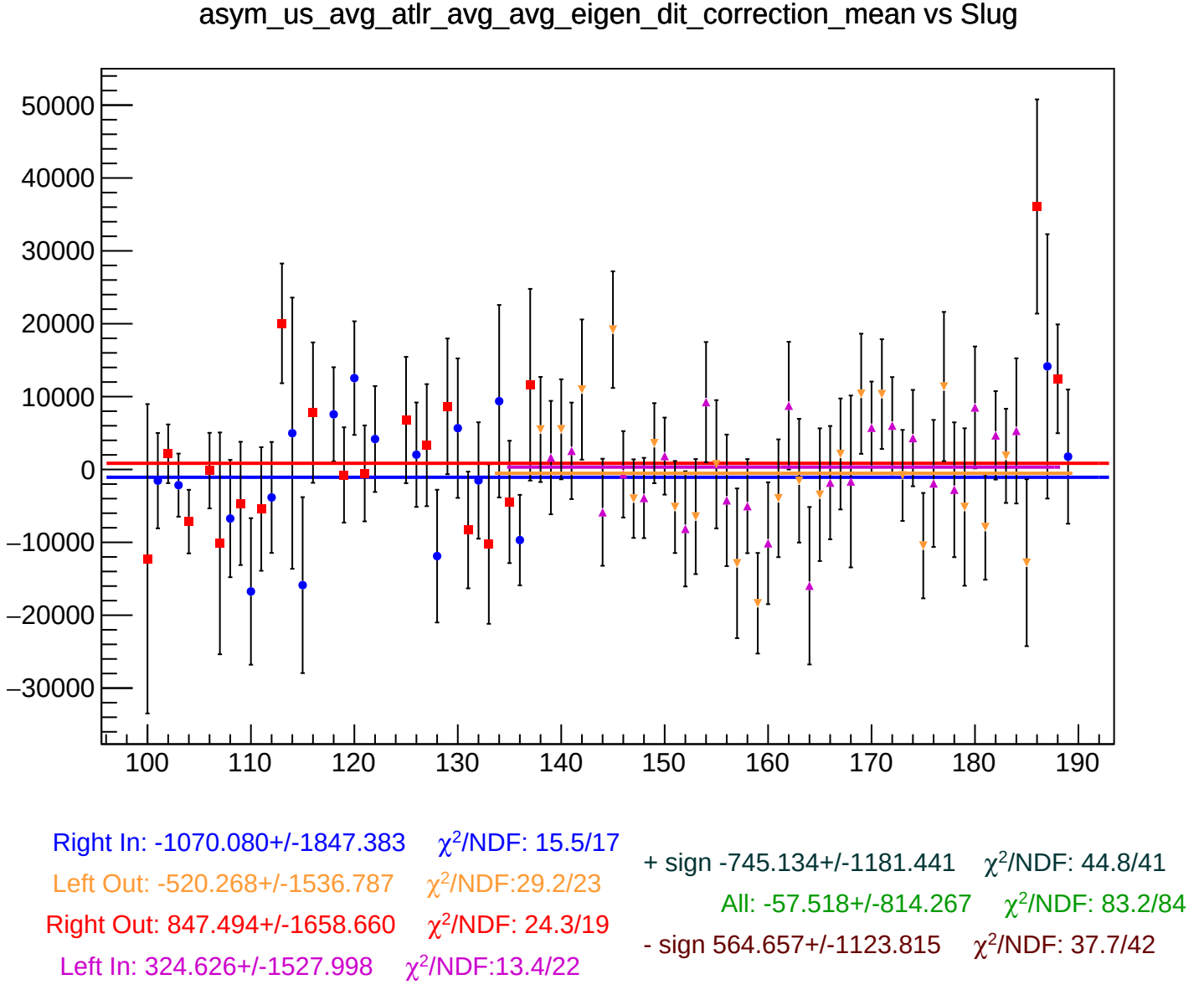
Right Out: 1910.146+/-0.466 χ^2/NDF: 152511.1/19

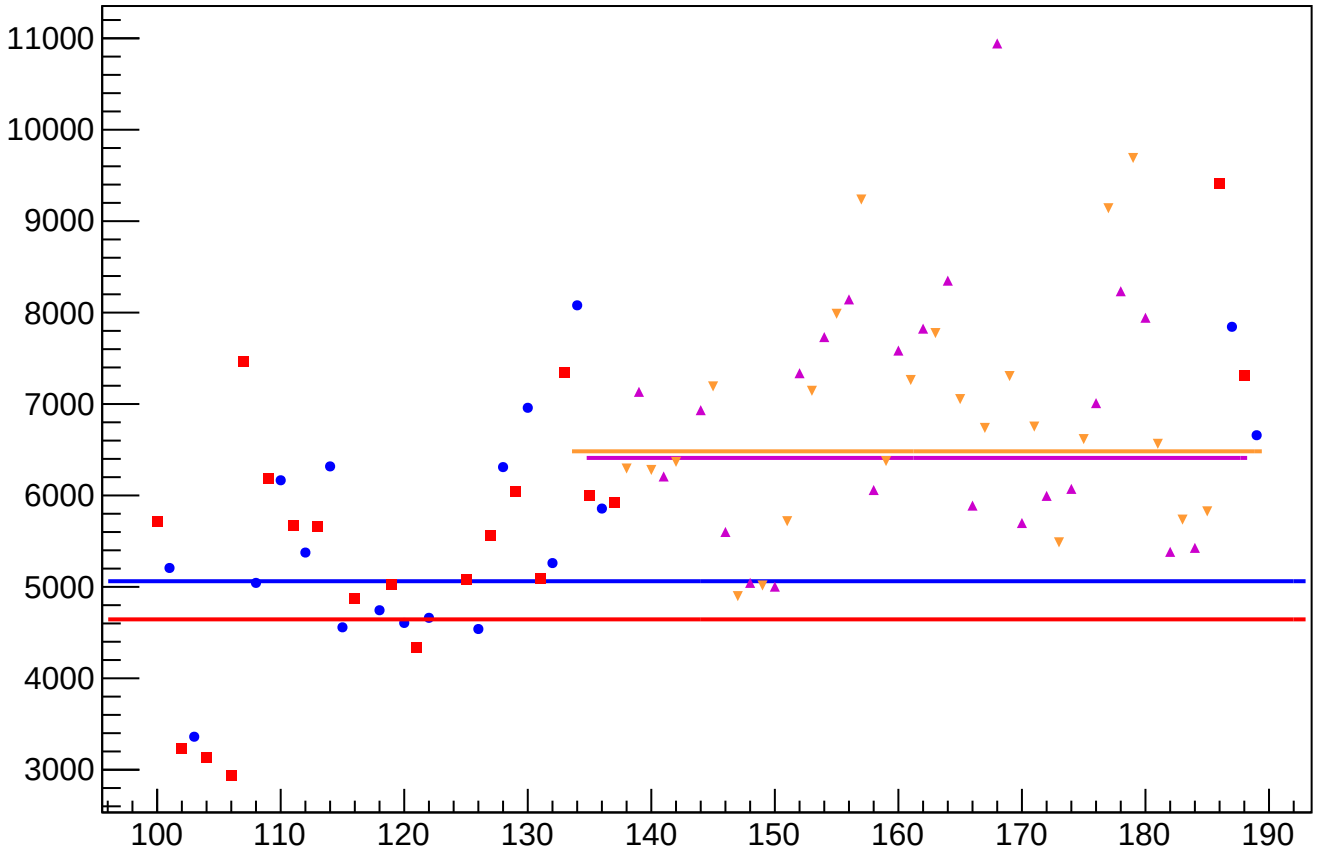
Left In: 1867.080+/-0.308 χ^2/NDF:27247.8/22

+ sign 1879.020+/-0.259 χ^2/NDF: 318100.3/41

All: 1879.611+/-0.182 χ^2/NDF: 503806.3/84

- sign 1880.195+/-0.257 χ^2/NDF: 185695.7/42


asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs Slug
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: -1070.080+/-1847.383 χ²/NDF: 15.5/17
Left Out: -520.268+/-1536.787 χ²/NDF:29.2/23
Right Out: 847.494+/-1658.660 χ²/NDF: 24.3/19
Left In: 324.626+/-1527.998 χ²/NDF:13.4/22
+ sign -745.134+/-1181.441 χ²/NDF: 44.8/41
All: -57.518+/-814.267 χ²/NDF: 83.2/84
- sign 564.657+/-1123.815 χ²/NDF: 37.7/42



Right In: 5062.061+/-1.306 χ^2/NDF: 739913.9/17

Left Out: 6482.740+/-1.087 χ^2/NDF:1074587.3/23

Right Out: 4644.720+/-1.173 χ^2/NDF: 1652776.4/19

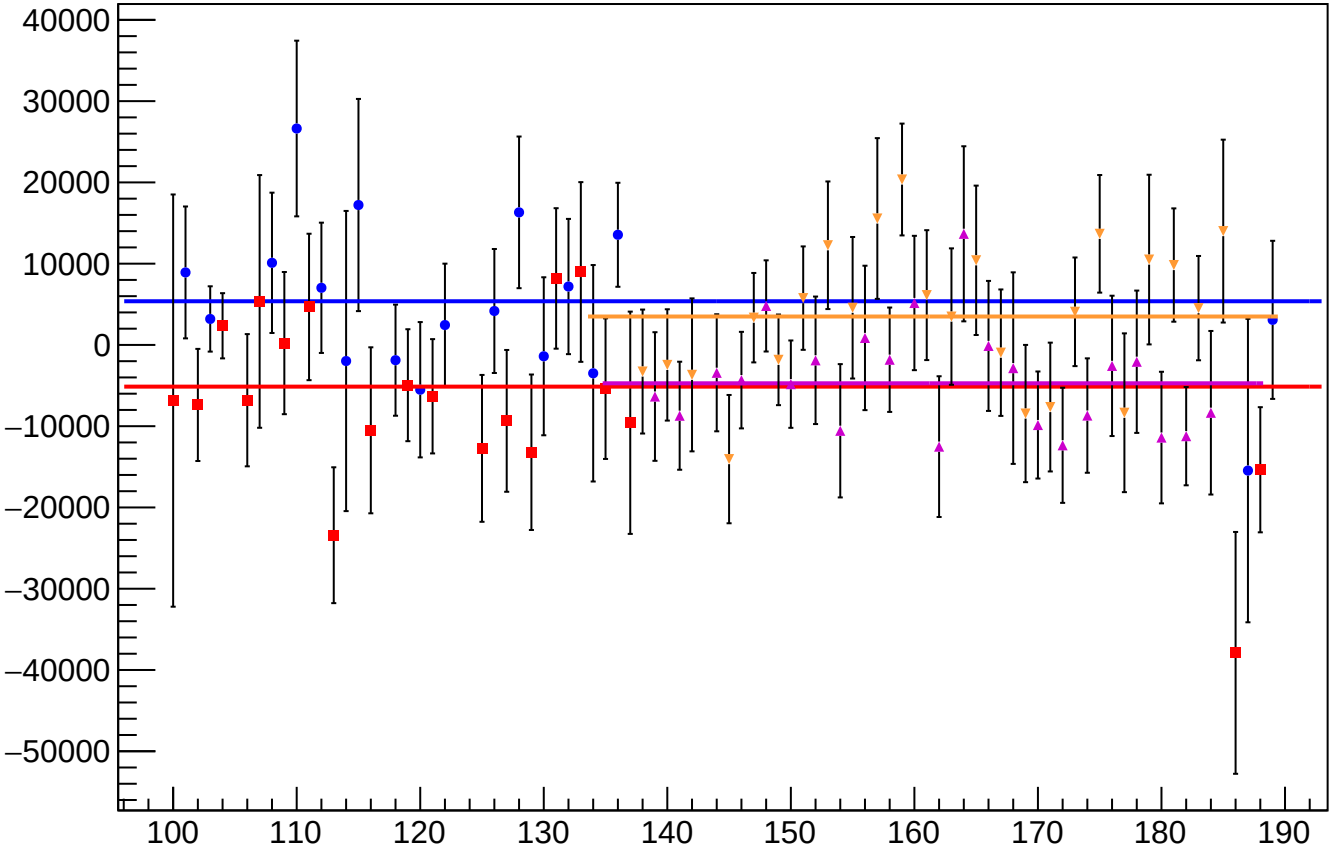
Left In: 6410.429+/-1.080 χ^2/NDF:1219833.0/22

+ sign 5901.700+/-0.835 χ^2/NDF: 2513546.1/41

All: 5743.235+/-0.576 χ^2/NDF: 6680714.3/84

- sign 5599.852+/-0.795 χ^2/NDF: 4098630.9/42

asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5374.911+/-1910.562 χ^2/NDF: 14.0/17

Left Out: 3497.162+/-1545.839 χ^2/NDF:27.5/23

Right Out: -5131.479+/-1849.053 χ^2/NDF: 23.1/19

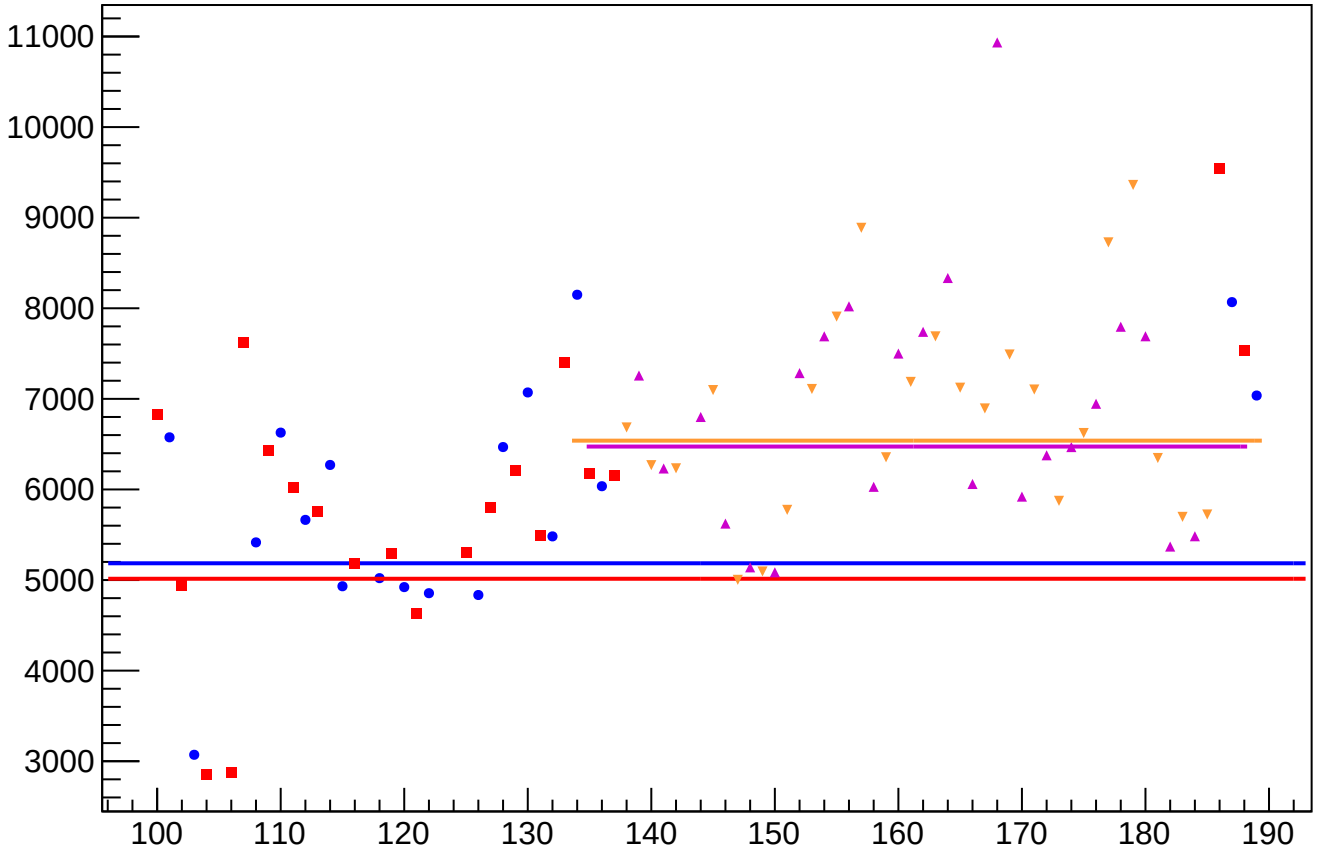
Left In: -4719.535+/-1539.177 χ^2/NDF:14.3/22

+ sign 4240.076+/-1201.743 χ^2/NDF: 42.0/41

All: -395.916+/-843.043 χ^2/NDF: 108.7/84

- sign -4888.144+/-1182.963 χ^2/NDF: 37.4/42

asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 5185.018+/-1.351 χ^2/NDF: 1045320.6/17

Left Out: 6538.706+/-1.093 χ^2/NDF:920612.0/23

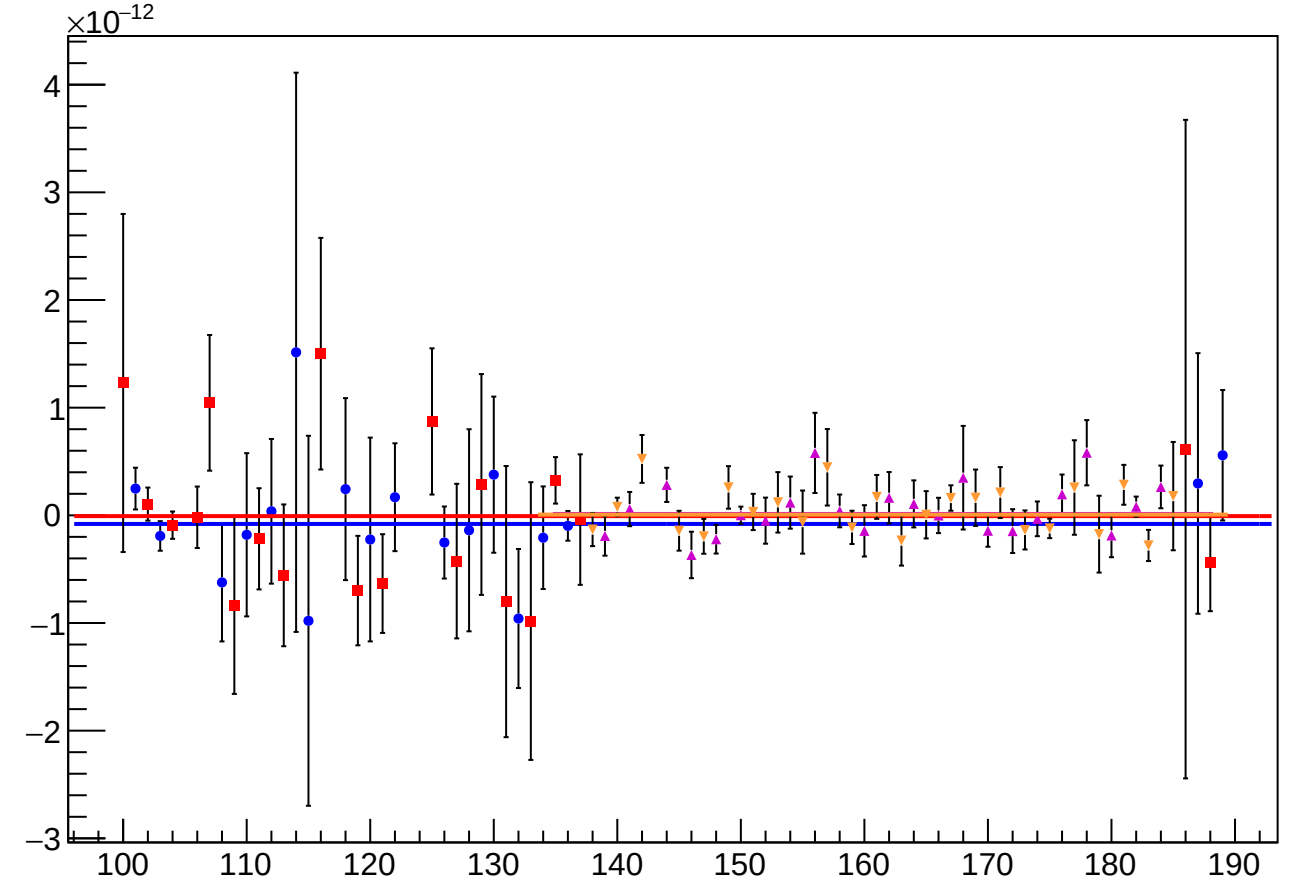
Right Out: 5014.033+/-1.283 χ^2/NDF: 1589604.9/19

Left In: 6473.481+/-1.088 χ^2/NDF:1071757.3/22

+ sign 6003.121+/-0.850 χ^2/NDF: 2572736.9/41

All: 5931.284+/-0.594 χ^2/NDF: 6000533.5/84

- sign 5862.753+/-0.830 χ^2/NDF: 3413831.9/42



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:27.2/23

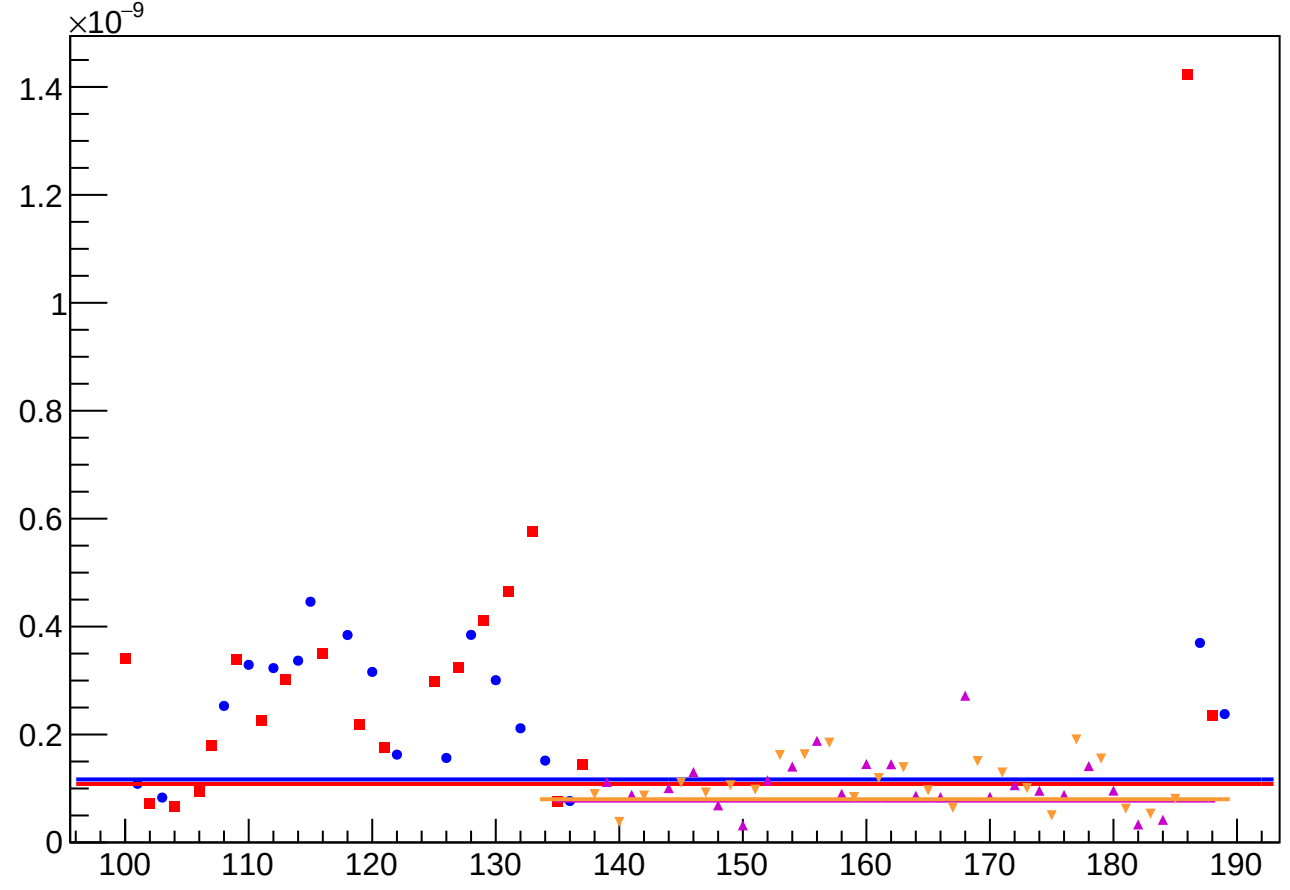
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/19

Left In: 0.000+/-0.000 χ^2/NDF:24.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 37.6/41

All: 0.000+/-0.000 χ^2/NDF: 80.2/84

- sign 0.000+/-0.000 χ^2/NDF: 42.4/42



Right In: 0.000+/-0.000 χ^2/NDF: 1695158.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:2153227.2/23

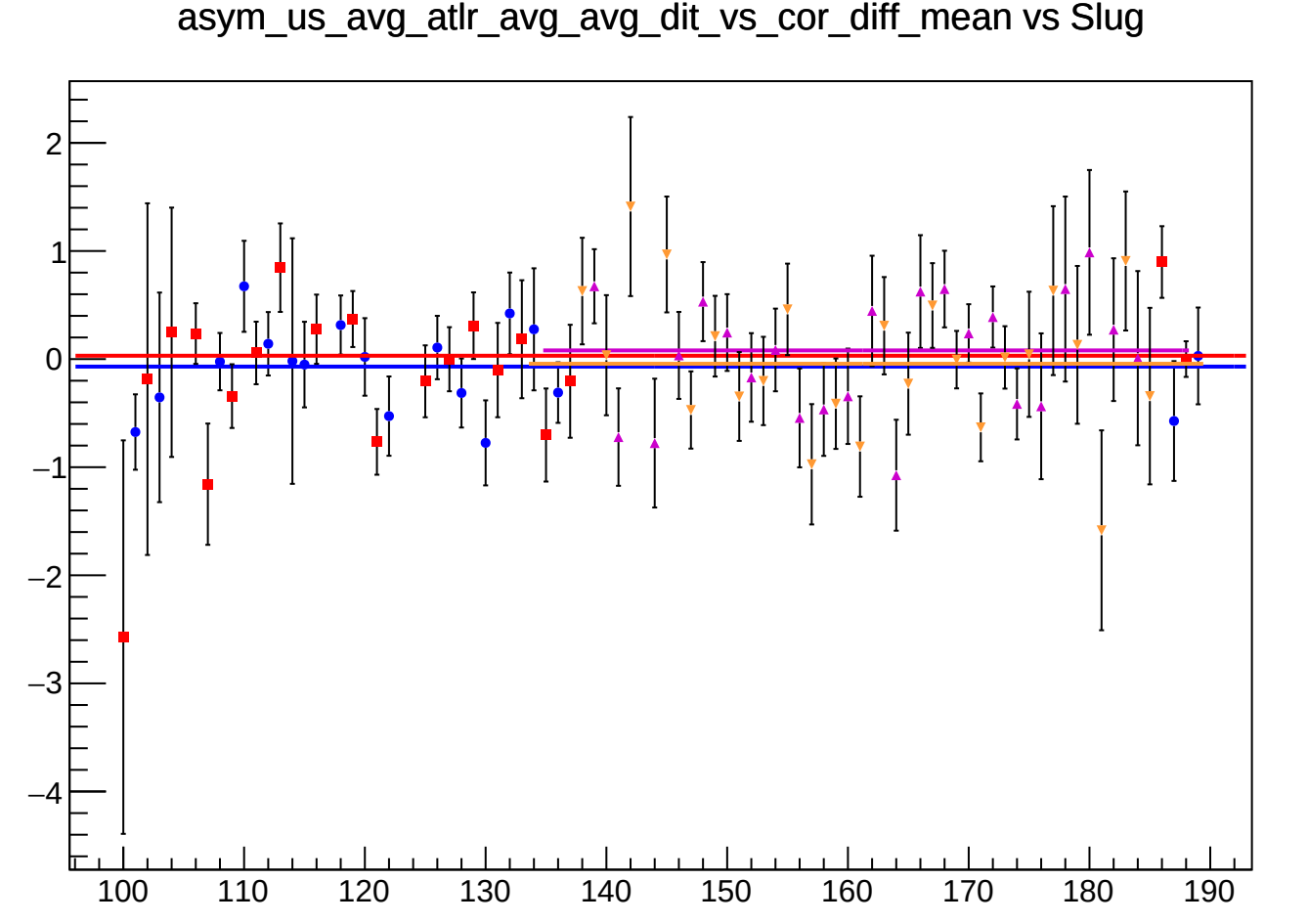
Right Out: 0.000+/-0.000 χ^2/NDF: 2622726.0/19

Left In: 0.000+/-0.000 χ^2/NDF:2642331.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 4224050.8/41

All: 0.000+/-0.000 χ^2/NDF: 9775593.1/84

- sign 0.000+/-0.000 χ^2/NDF: 5538442.7/42



Right In: -0.069+/-0.086 χ^2/NDF: 18.2/17

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

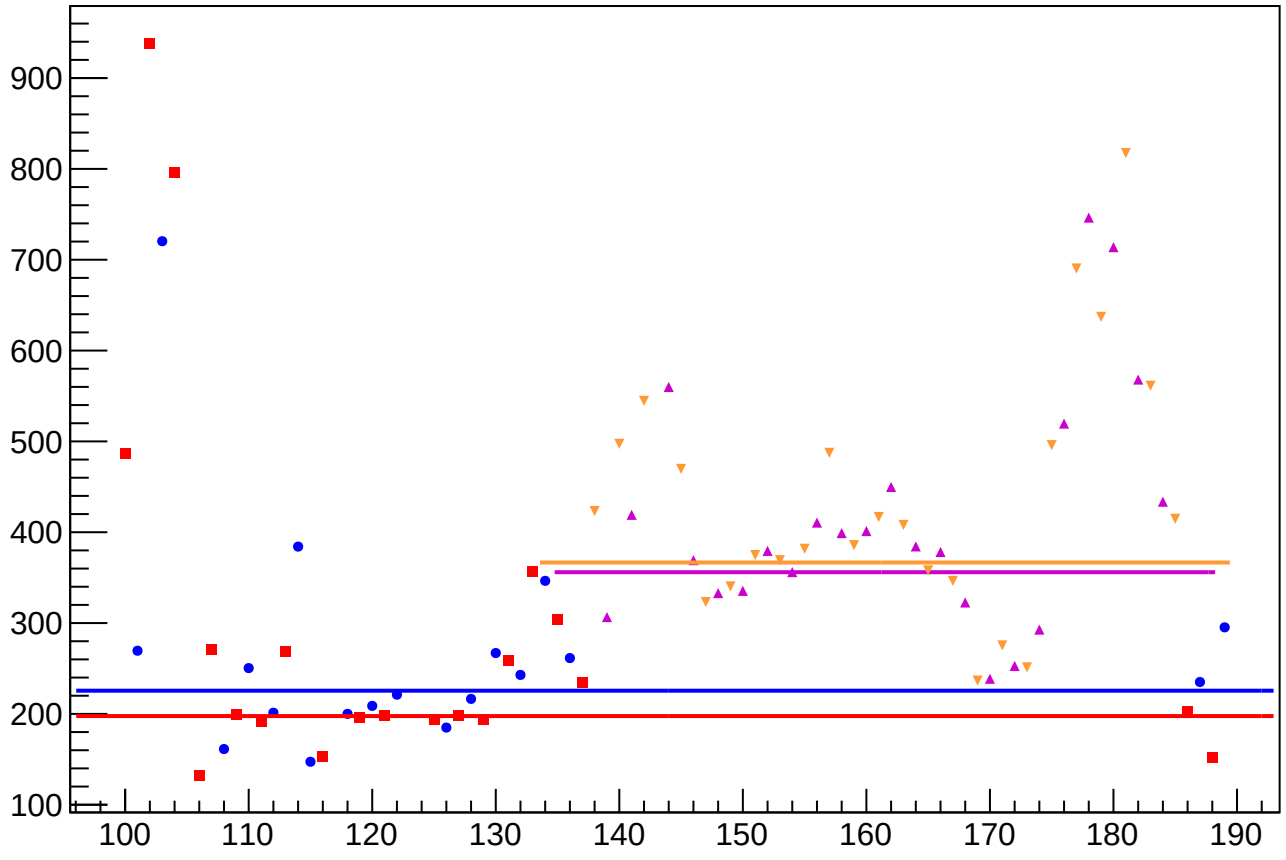
Right Out: 0.031+/-0.075 χ^2/NDF: 33.3/19

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign -0.057+/-0.062 χ^2/NDF: 49.2/41

All: 0.002+/-0.042 χ^2/NDF: 114.7/84

- sign 0.052+/-0.057 χ^2/NDF: 63.8/42



Right In: 225.548+/-0.061 χ^2/NDF: 1070137.2/17

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

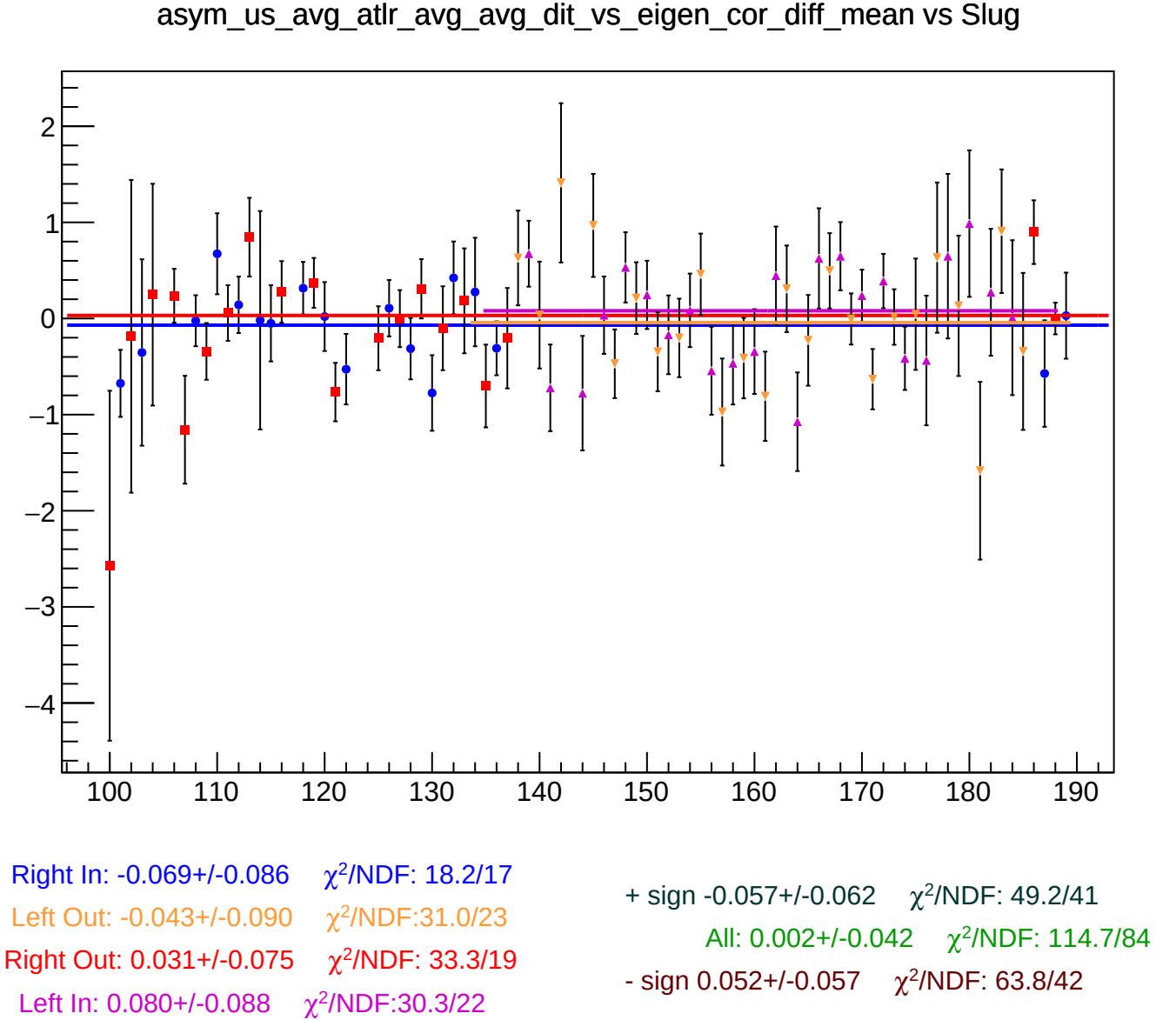
Right Out: 197.611+/-0.053 χ^2/NDF: 1744233.2/19

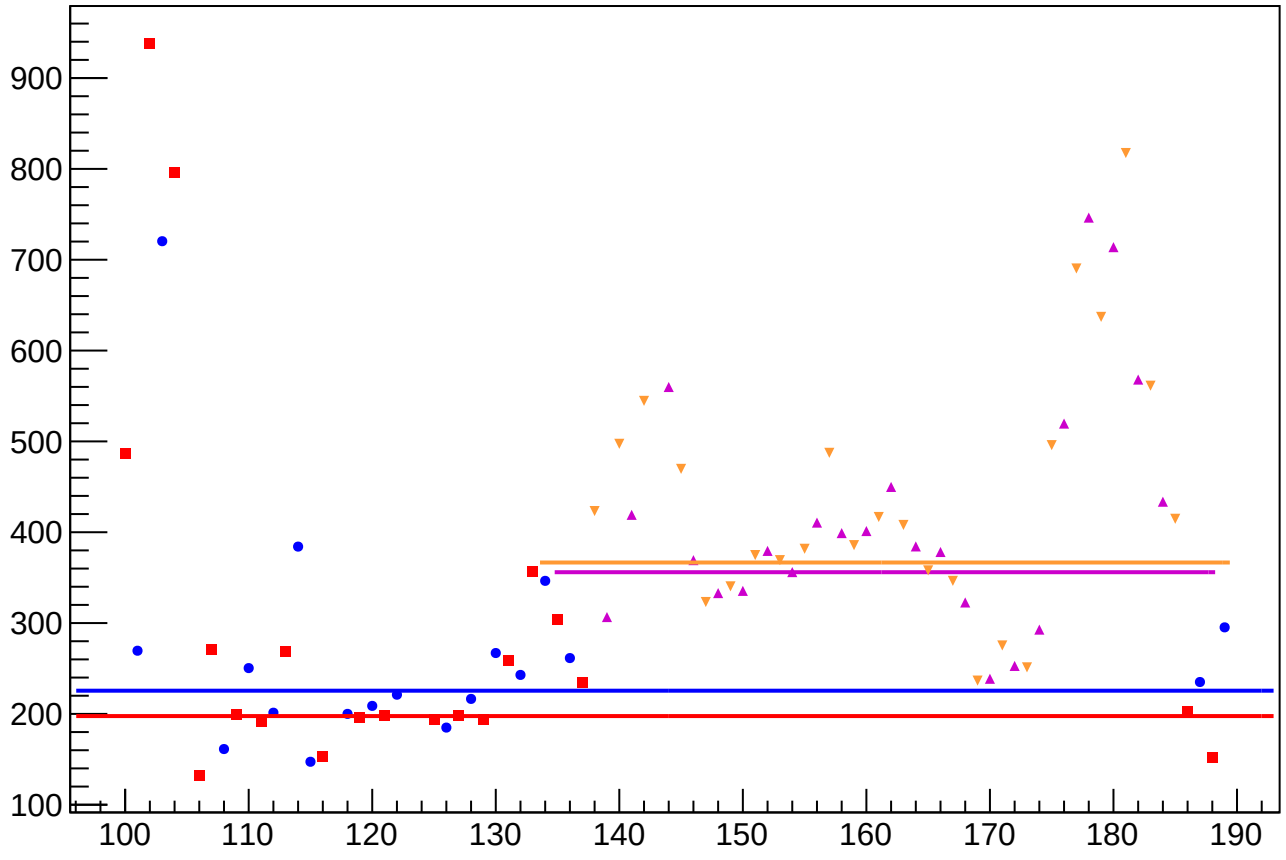
Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 292.480+/-0.044 χ^2/NDF: 6470380.0/41

All: 277.387+/-0.030 χ^2/NDF: 14605488.2/84

- sign 264.698+/-0.040 χ^2/NDF: 7919023.7/42


asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
190
Right In: -0.069+/-0.086 χ²/NDF: 18.2/17
Left Out: -0.043+/-0.090 χ²/NDF:31.0/23
Right Out: 0.031+/-0.075 χ²/NDF: 33.3/19
Left In: 0.080+/-0.088 χ²/NDF:30.3/22
+ sign -0.057+/-0.062 χ²/NDF: 49.2/41
All: 0.002+/-0.042 χ²/NDF: 114.7/84
- sign 0.052+/-0.057 χ²/NDF: 63.8/42



Right In: 225.548+/-0.061 χ^2/NDF: 1070137.2/17

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

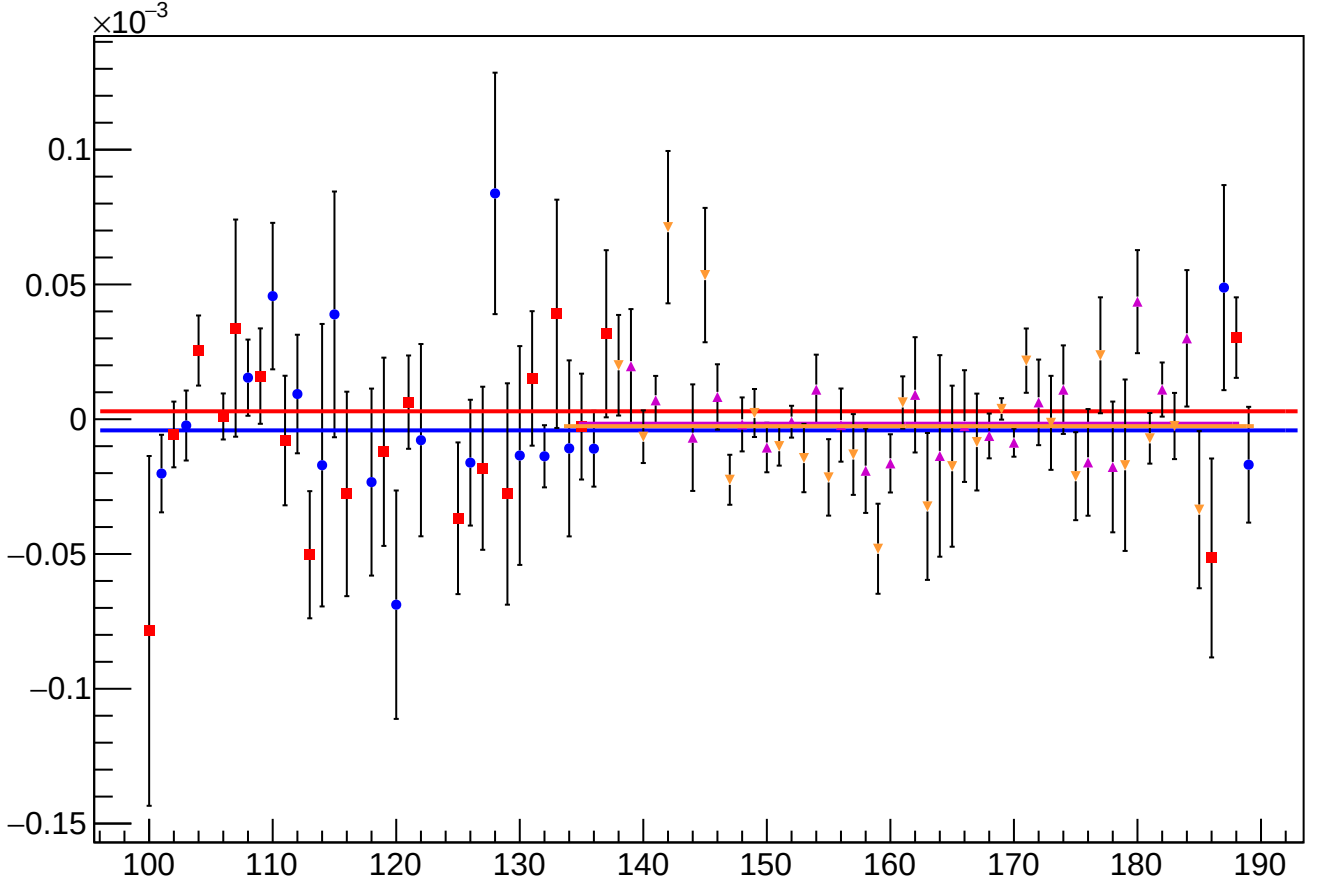
Right Out: 197.611+/-0.053 χ^2/NDF: 1744233.2/19

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 292.480+/-0.044 χ^2/NDF: 6470380.0/41

All: 277.387+/-0.030 χ^2/NDF: 14605488.2/84

- sign 264.698+/-0.040 χ^2/NDF: 7919023.7/42



Right In: -0.000+/-0.000 χ^2/NDF: 17.9/17

Left Out: -0.000+/-0.000 χ^2/NDF:43.5/23

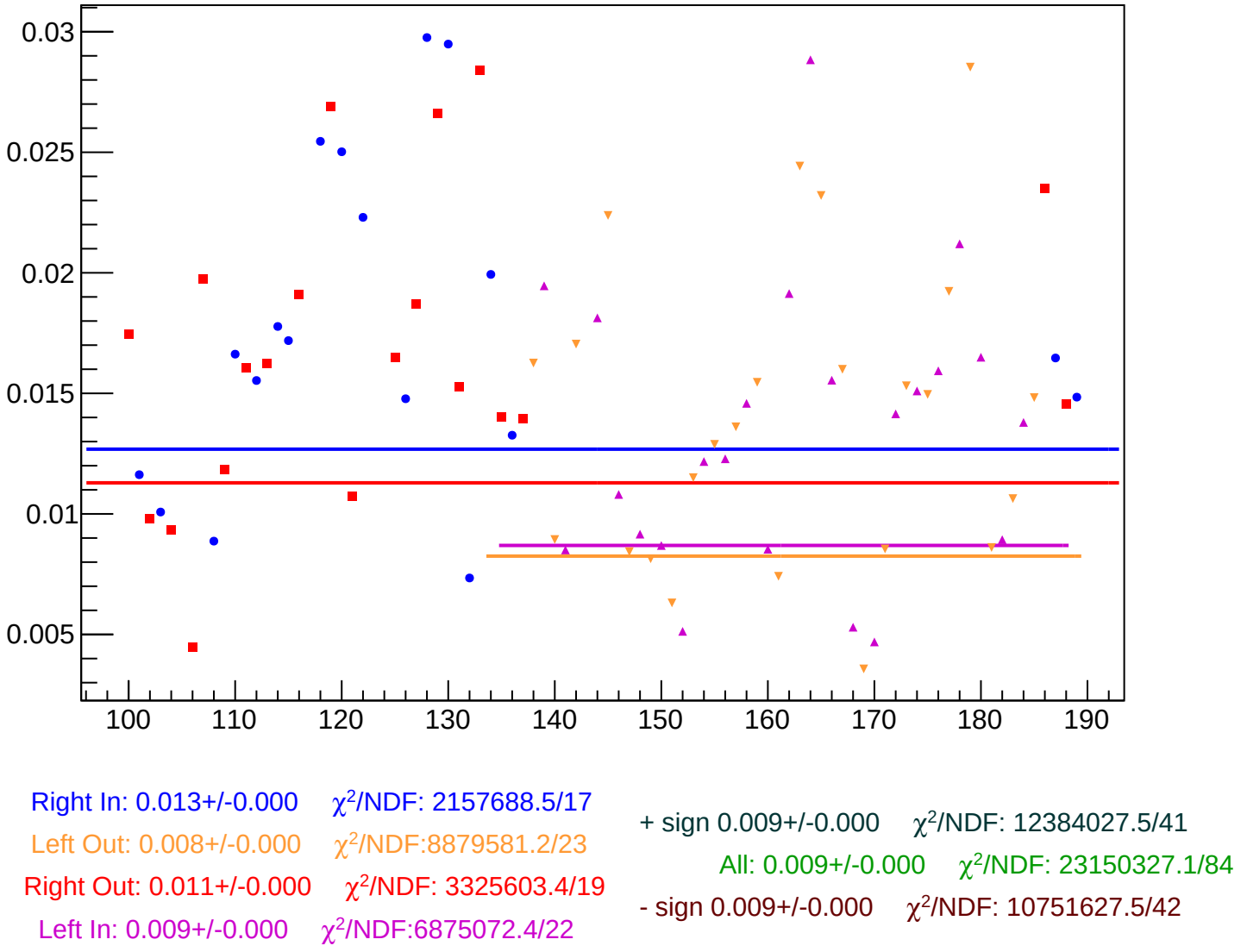
Right Out: 0.000+/-0.000 χ^2/NDF: 22.9/19

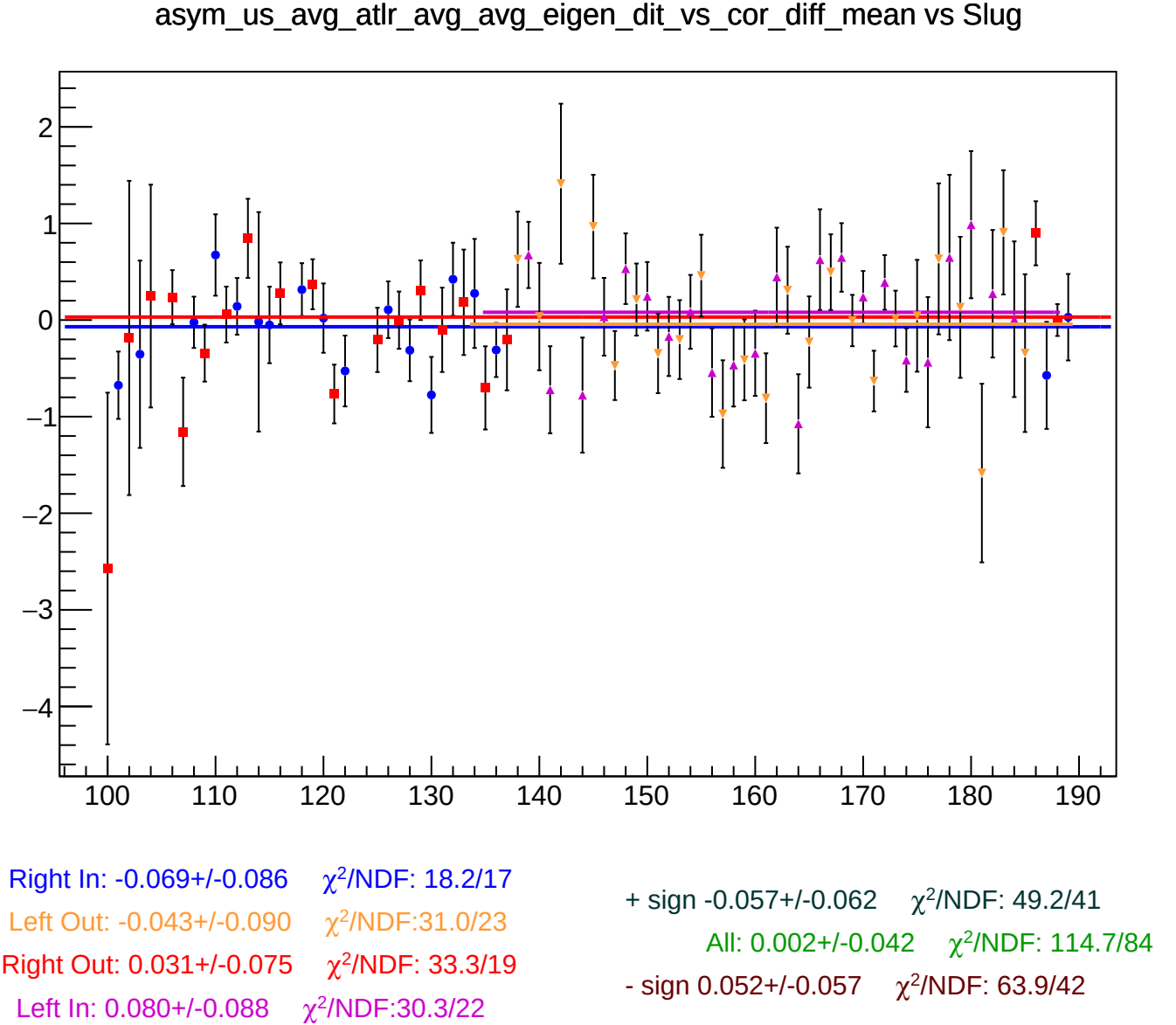
Left In: -0.000+/-0.000 χ^2/NDF:20.7/22

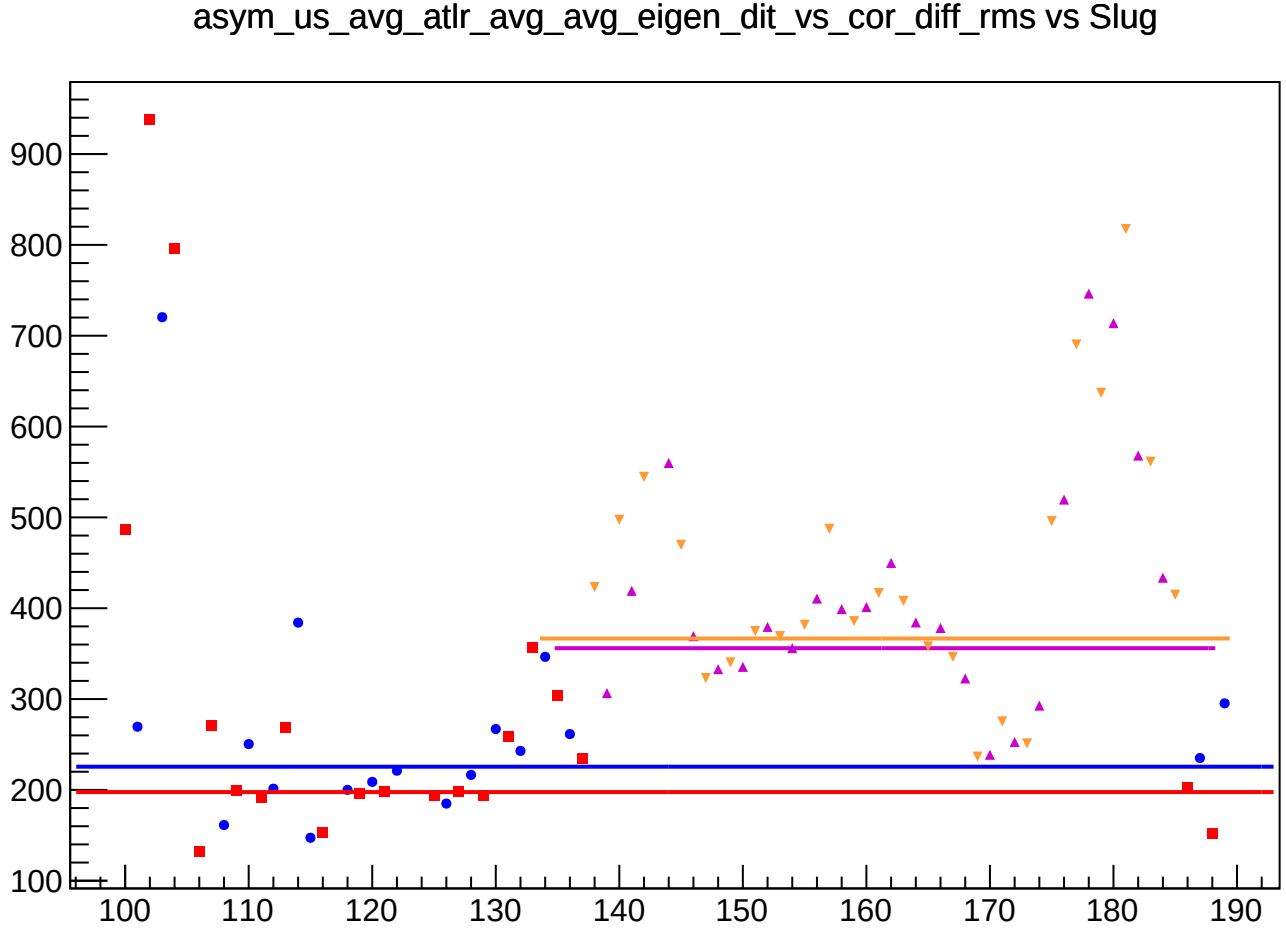
+ sign -0.000+/-0.000 χ^2/NDF: 61.5/41

All: -0.000+/-0.000 χ^2/NDF: 106.6/84

- sign -0.000+/-0.000 χ^2/NDF: 44.5/42


asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
180
190
Right In: 0.013+/-0.000 χ²/NDF: 2157688.5/17
Left Out: 0.008+/-0.000 χ²/NDF:8879581.2/23
Right Out: 0.011+/-0.000 χ²/NDF: 3325603.4/19
Left In: 0.009+/-0.000 χ²/NDF:6875072.4/22
+ sign 0.009+/-0.000 χ²/NDF: 12384027.5/41
All: 0.009+/-0.000 χ²/NDF: 23150327.1/84
- sign 0.009+/-0.000 χ²/NDF: 10751627.5/42


asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
190
Right In: -0.069+/-0.086 χ²/NDF: 18.2/17
Left Out: -0.043+/-0.090 χ²/NDF:31.0/23
Right Out: 0.031+/-0.075 χ²/NDF: 33.3/19
Left In: 0.080+/-0.088 χ²/NDF:30.3/22
+ sign -0.057+/-0.062 χ²/NDF: 49.2/41
All: 0.002+/-0.042 χ²/NDF: 114.7/84
- sign 0.052+/-0.057 χ²/NDF: 63.9/42



Right In: 225.546+/-0.061 χ^2/NDF: 1070131.8/17

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

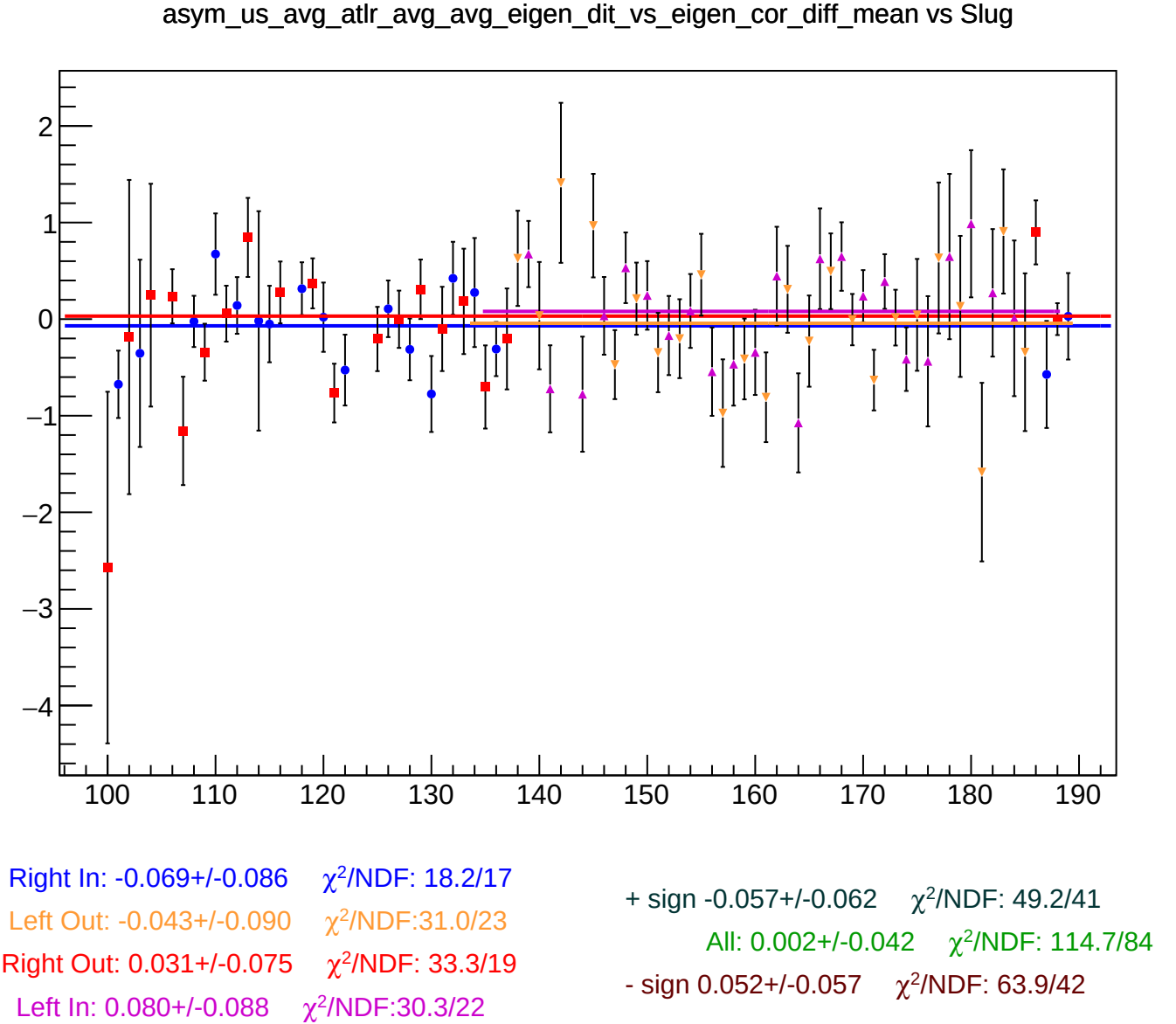
Right Out: 197.607+/-0.053 χ^2/NDF: 1744257.2/19

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

+ sign 292.478+/-0.044 χ^2/NDF: 6470661.4/41

All: 277.385+/-0.030 χ^2/NDF: 14606310.2/84

- sign 264.694+/-0.040 χ^2/NDF: 7919521.4/42


asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
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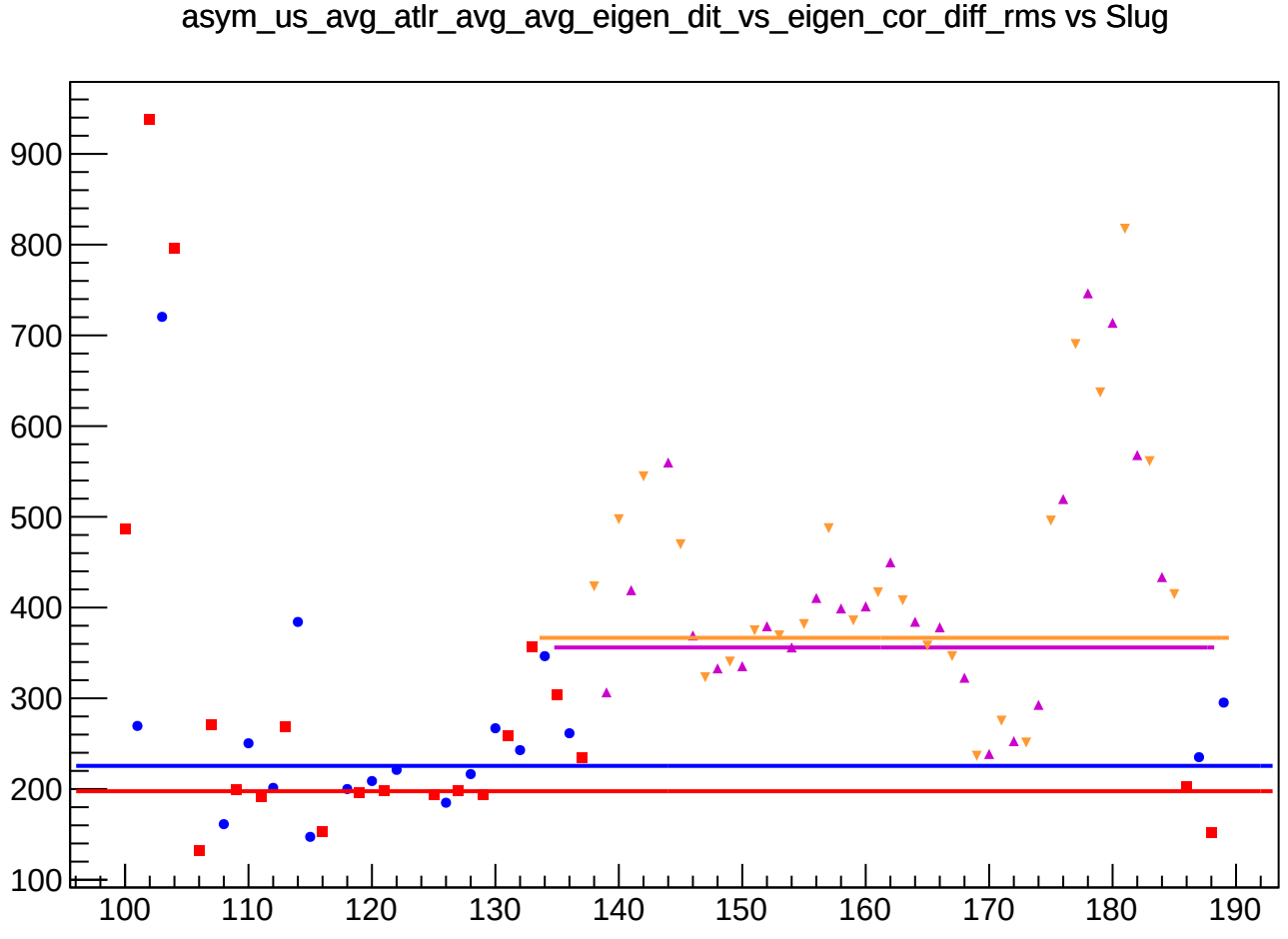
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
190
Right In: -0.069+/-0.086 χ²/NDF: 18.2/17
Left Out: -0.043+/-0.090 χ²/NDF:31.0/23
Right Out: 0.031+/-0.075 χ²/NDF: 33.3/19
Left In: 0.080+/-0.088 χ²/NDF:30.3/22
+ sign -0.057+/-0.062 χ²/NDF: 49.2/41
All: 0.002+/-0.042 χ²/NDF: 114.7/84
- sign 0.052+/-0.057 χ²/NDF: 63.9/42



Right In: 225.546+/-0.061 χ^2/NDF: 1070131.8/17

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

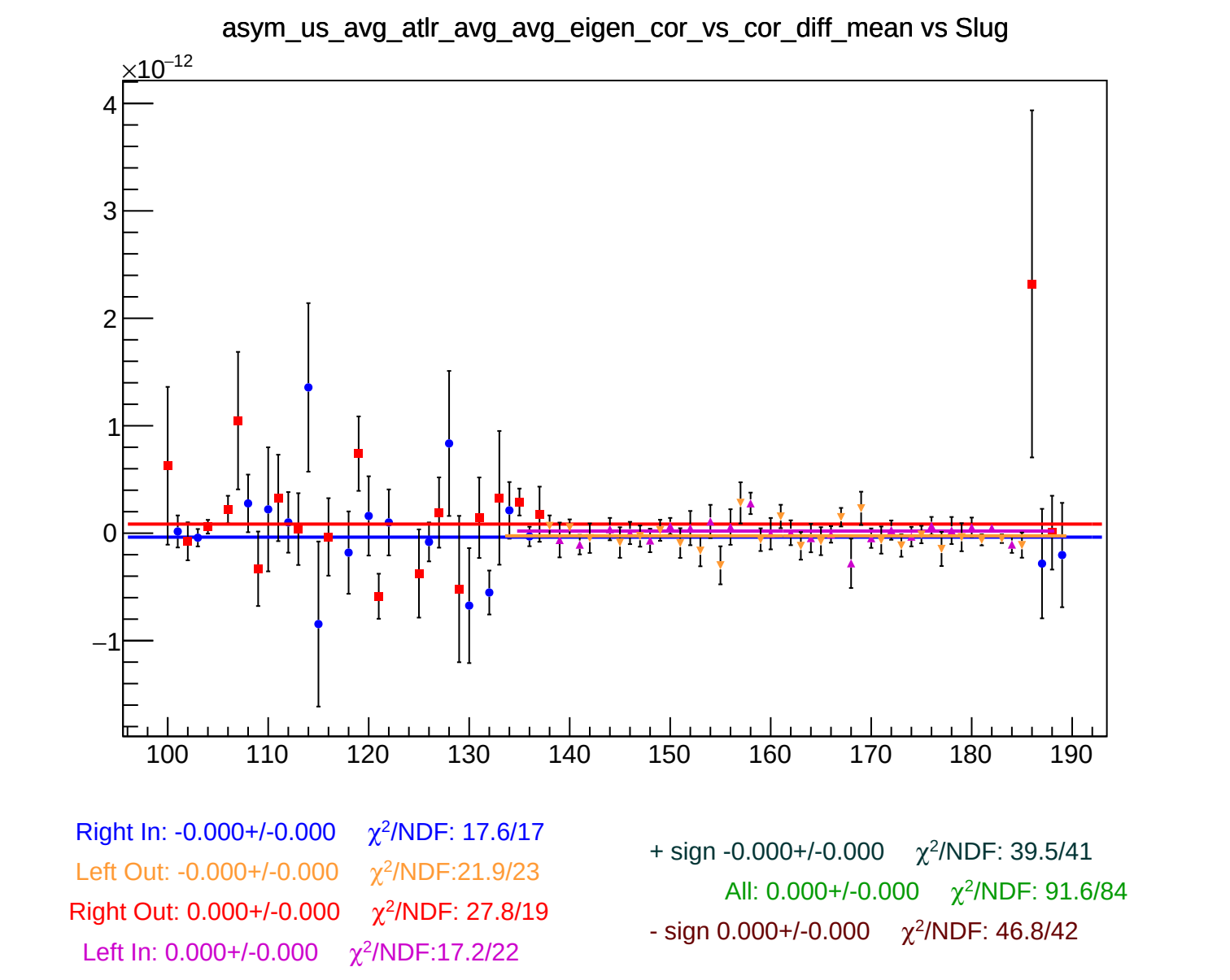
Right Out: 197.607+/-0.053 χ^2/NDF: 1744257.2/19

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

+ sign 292.478+/-0.044 χ^2/NDF: 6470661.4/41

All: 277.385+/-0.030 χ^2/NDF: 14606310.2/84

- sign 264.694+/-0.040 χ^2/NDF: 7919521.4/42


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
4
3
2
1
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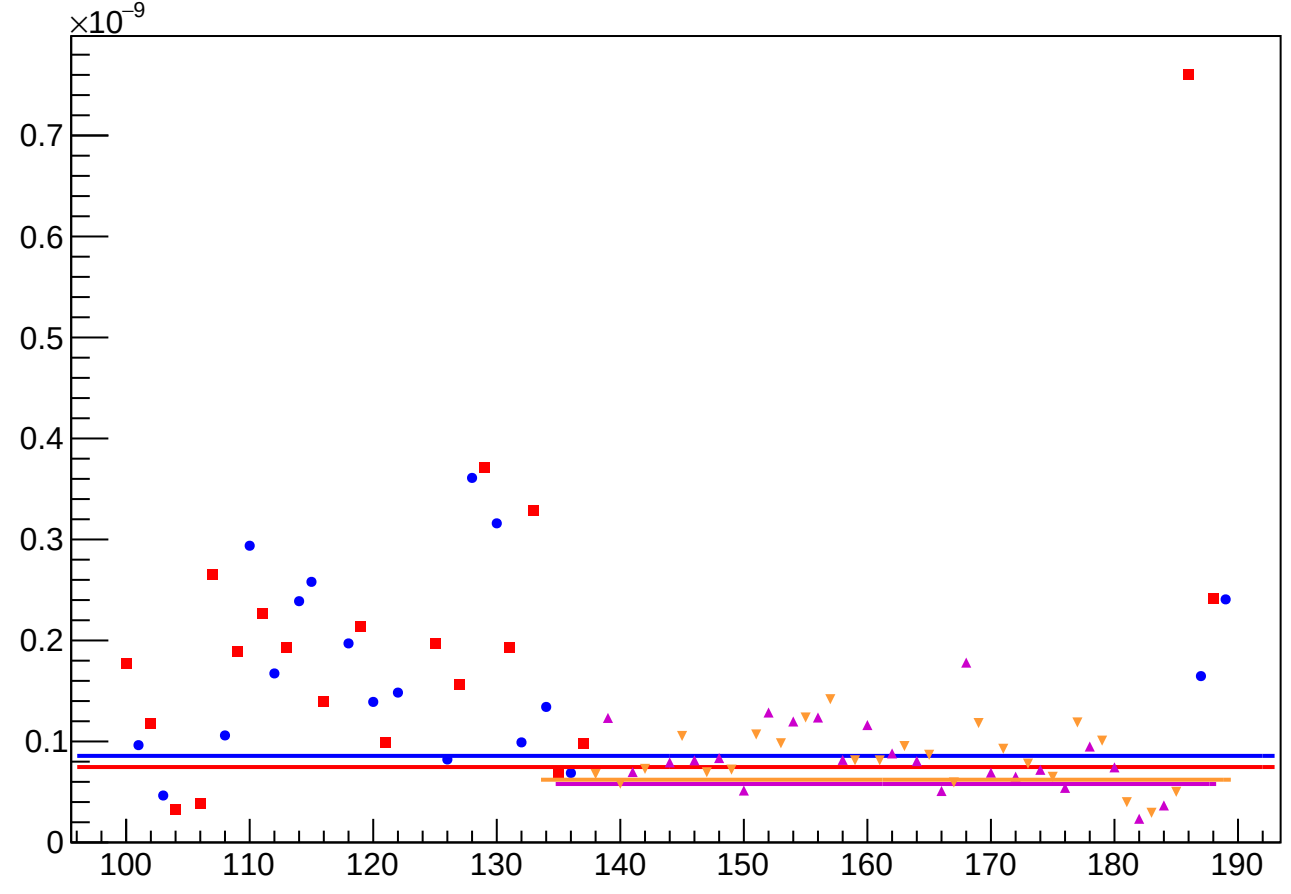
−1
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 17.6/17
Left Out: -0.000+/-0.000 χ²/NDF:21.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 27.8/19
Left In: 0.000+/-0.000 χ²/NDF:17.2/22
+ sign -0.000+/-0.000 χ²/NDF: 39.5/41
All: 0.000+/-0.000 χ²/NDF: 91.6/84
- sign 0.000+/-0.000 χ²/NDF: 46.8/42



Right In: 0.000+/-0.000 χ^2/NDF: 2491164.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:4100152.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4588211.4/19

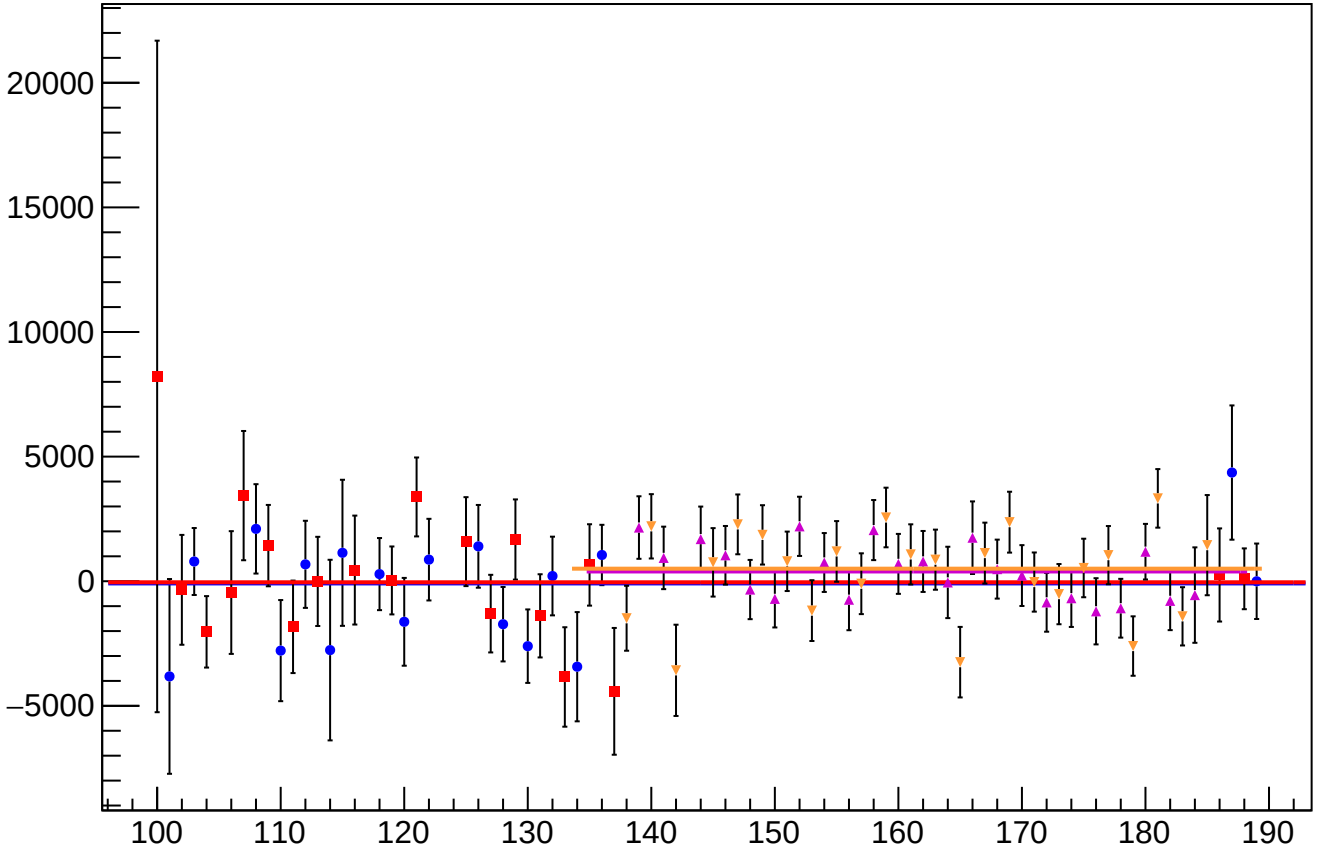
Left In: 0.000+/-0.000 χ^2/NDF:5512617.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7028231.6/41

All: 0.000+/-0.000 χ^2/NDF: 17466961.1/84

- sign 0.000+/-0.000 χ^2/NDF: 10350127.8/42

reg_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -88.434+/-408.115 χ^2/NDF: 17.6/17

Left Out: 503.606+/-255.531 χ^2/NDF:44.6/23

Right Out: -42.549+/-396.919 χ^2/NDF: 20.7/19

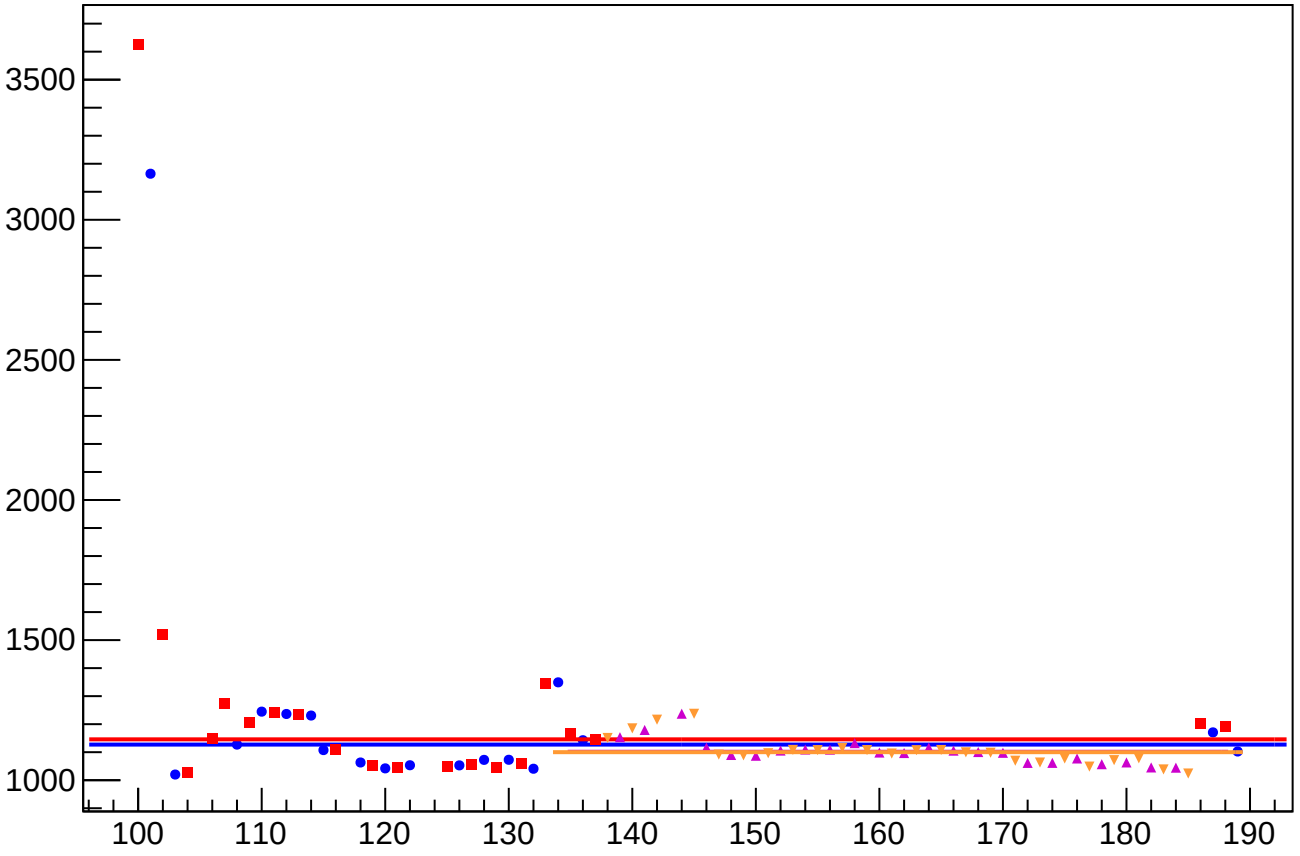
Left In: 391.701+/-257.386 χ^2/NDF:17.8/22

+ sign 336.873+/-216.580 χ^2/NDF: 63.6/41

All: 299.907+/-152.924 χ^2/NDF: 103.1/84

- sign 263.154+/-215.956 χ^2/NDF: 39.4/42

reg_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1127.135+/-0.289 χ^2/NDF: 622455.2/17

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

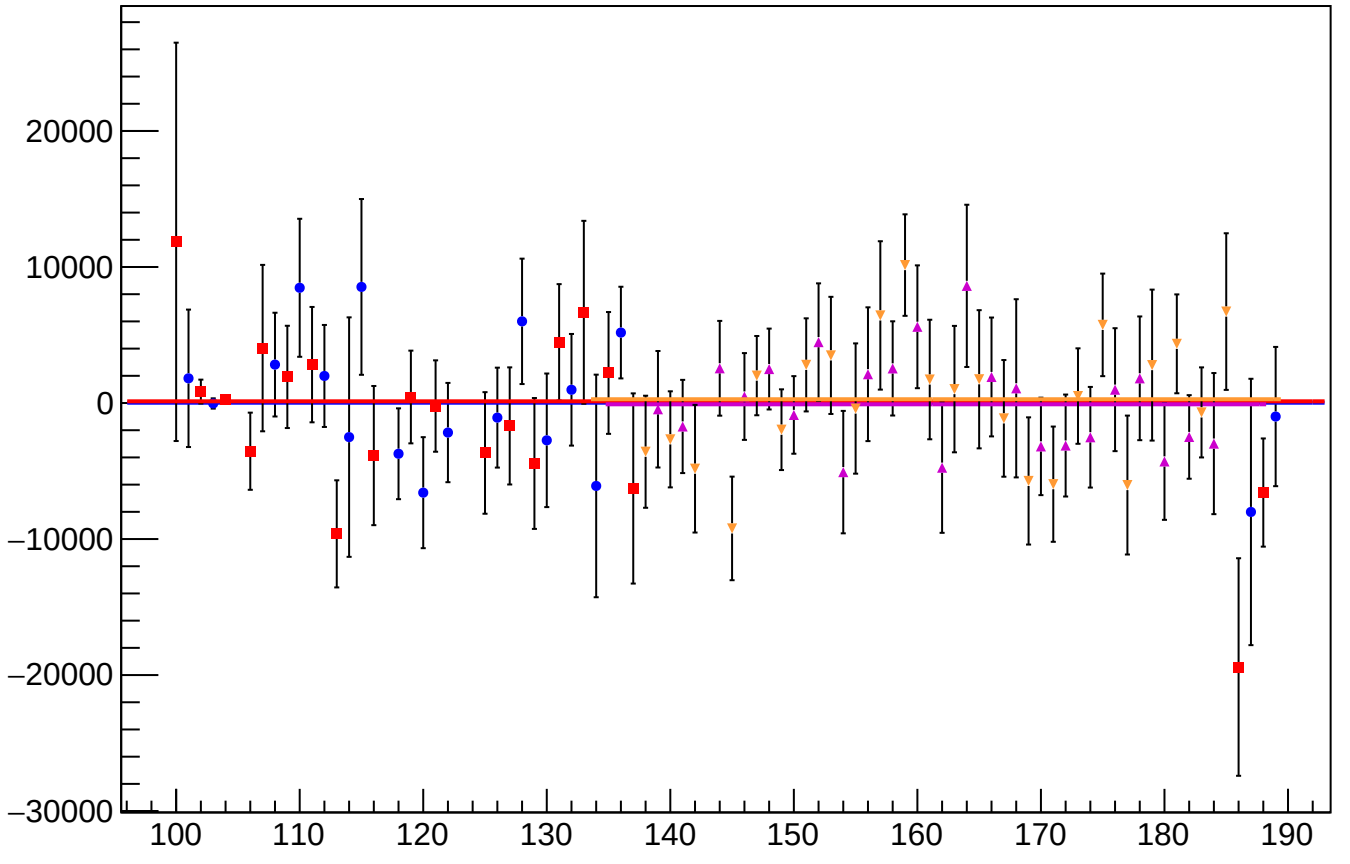
Right Out: 1145.859+/-0.280 χ^2/NDF: 225708.5/19

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1107.687+/-0.153 χ^2/NDF: 687510.9/41

All: 1111.196+/-0.108 χ^2/NDF: 984011.5/84

- sign 1114.681+/-0.153 χ^2/NDF: 295454.4/42



Right In: 22.616+/-356.545 χ^2/NDF: 15.6/17

Left Out: 277.507+/-820.501 χ^2/NDF:29.9/23

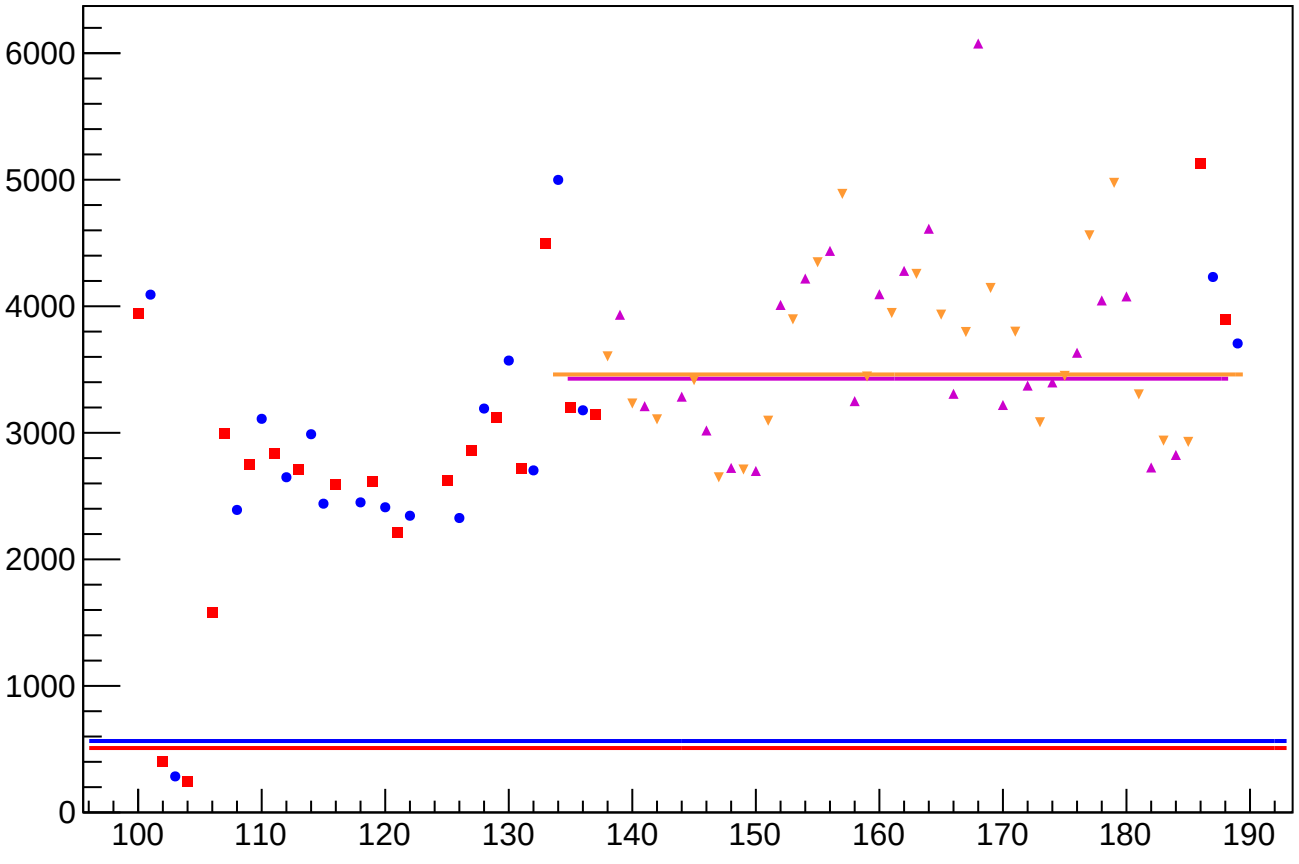
Right Out: 125.740+/-321.230 χ^2/NDF: 24.5/19

Left In: -94.734+/-817.223 χ^2/NDF:13.7/22

\+ sign 63.102+/-327.005 χ^2/NDF: 45.5/41

All: 81.149+/-220.648 χ^2/NDF: 83.7/84

\- sign 96.234+/-298.963 χ^2/NDF: 38.2/42



Right In: 564.566+/-0.252 χ^2/NDF: 10723285.4/17

Left Out: 3461.259+/-0.580 χ^2/NDF:1058687.1/23

Right Out: 509.025+/-0.227 χ^2/NDF: 11320130.5/19

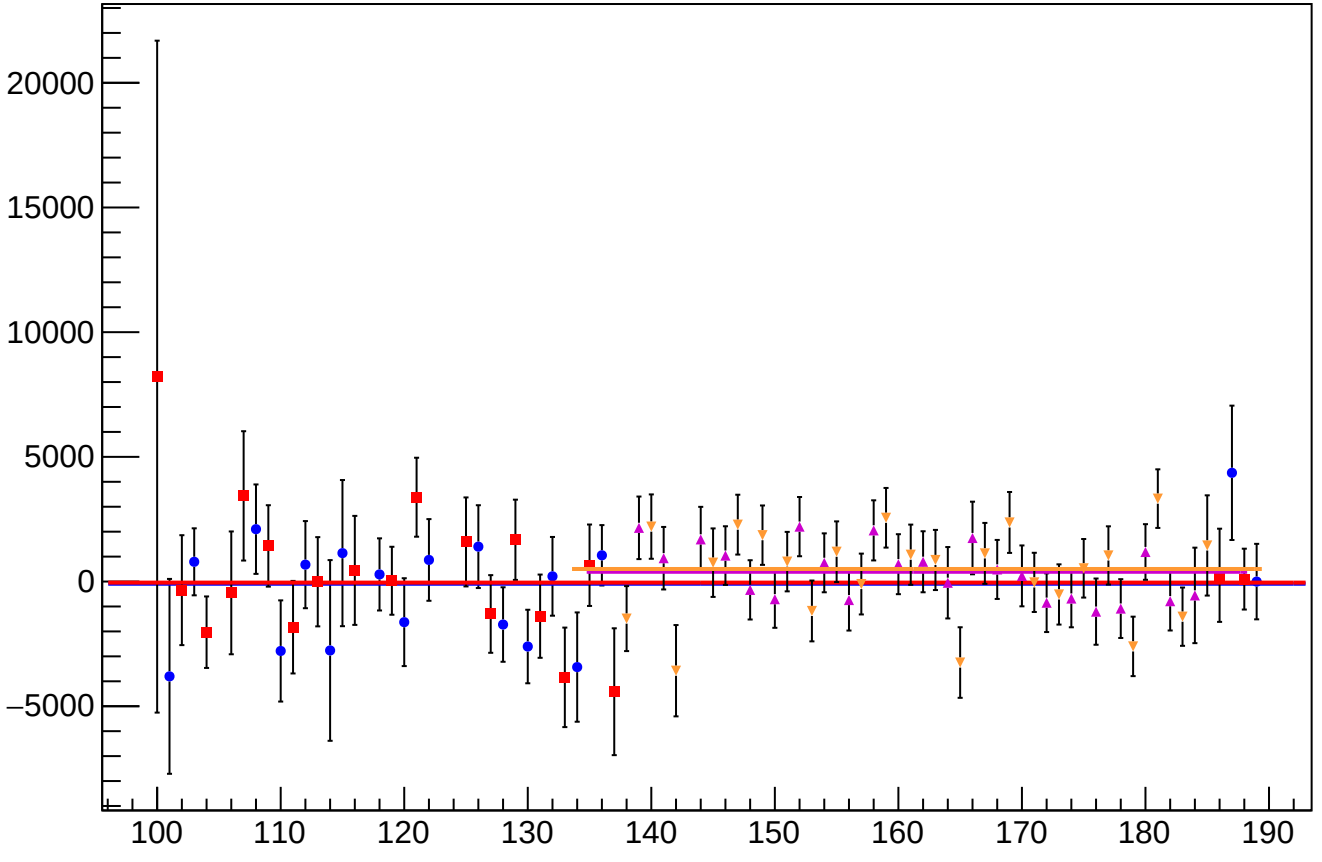
Left In: 3427.860+/-0.578 χ^2/NDF:1243133.8/22

+ sign 1024.667+/-0.231 χ^2/NDF: 32749963.7/41

All: 956.571+/-0.156 χ^2/NDF: 67571365.2/84

- sign 899.653+/-0.211 χ^2/NDF: 34662181.3/42

cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -88.254+/-408.115 χ^2/NDF: 17.6/17

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: -42.678+/-396.920 χ^2/NDF: 20.7/19

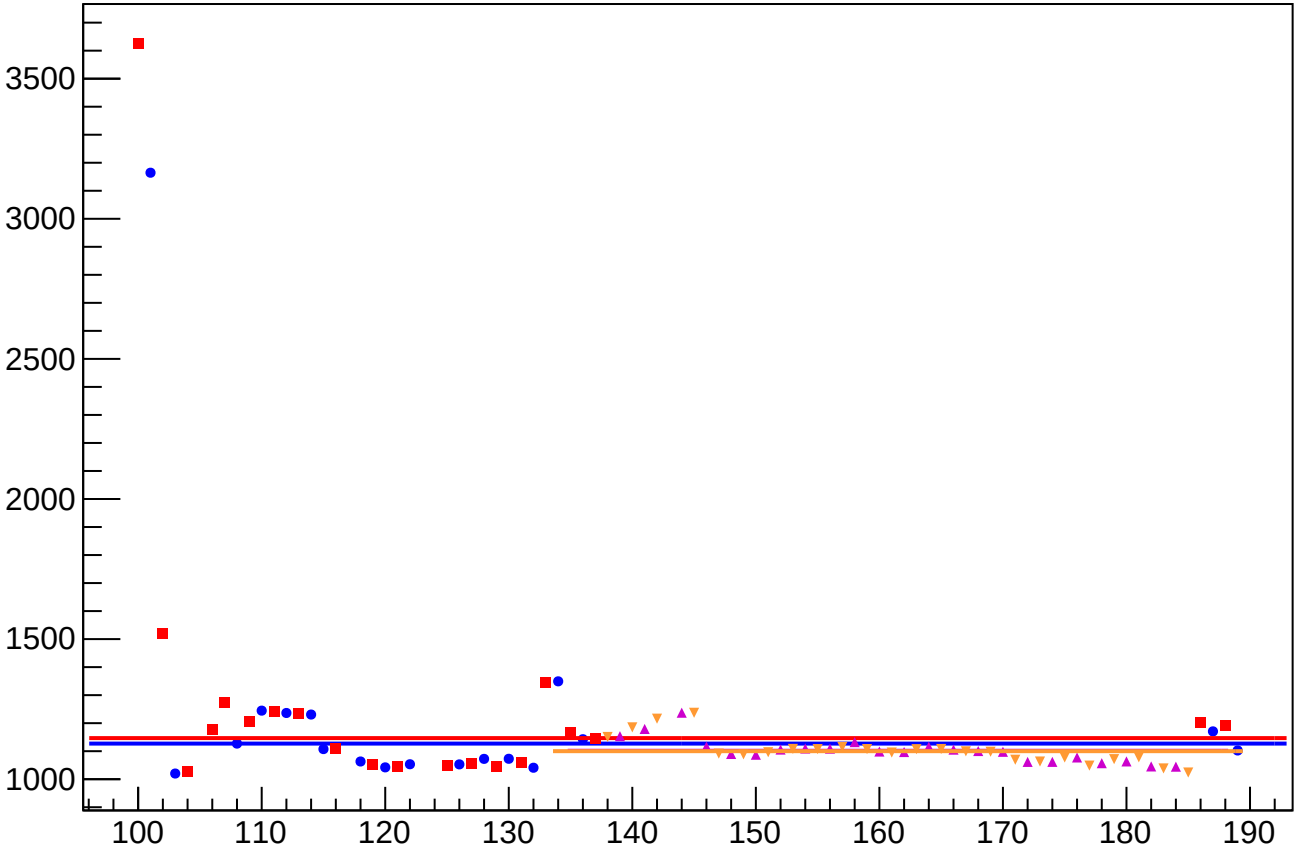
Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 336.976+/-216.580 χ^2/NDF: 63.6/41

All: 299.934+/-152.924 χ^2/NDF: 103.1/84

- sign 263.106+/-215.956 χ^2/NDF: 39.4/42

cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1127.135+/-0.289 χ^2/NDF: 622456.4/17

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

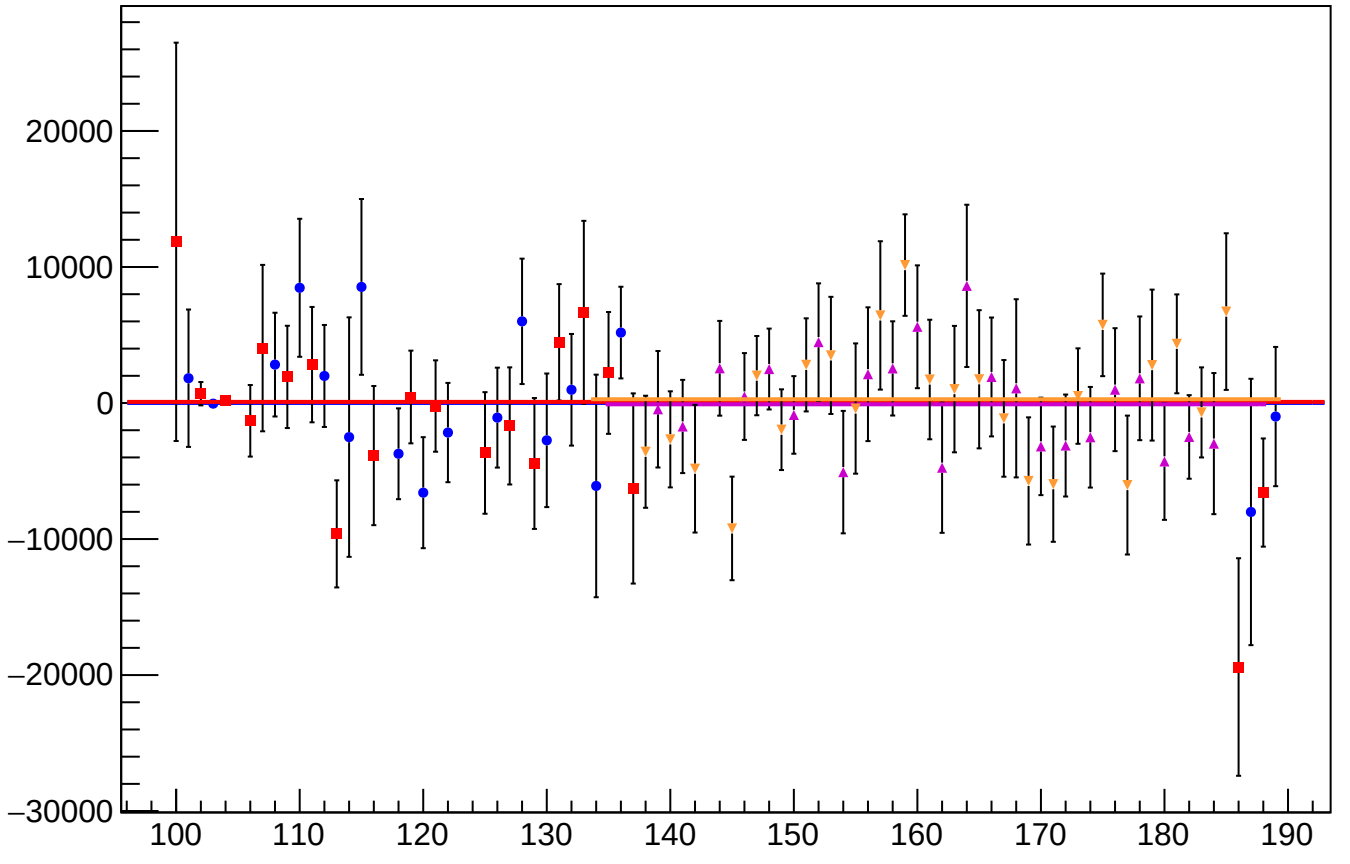
Right Out: 1146.692+/-0.281 χ^2/NDF: 226063.4/19

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1107.687+/-0.153 χ^2/NDF: 687511.9/41

All: 1111.308+/-0.108 χ^2/NDF: 985075.9/84

- sign 1114.908+/-0.153 χ^2/NDF: 296449.2/42



Right In: 7.179+/-343.536 χ^2/NDF: 15.6/17

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

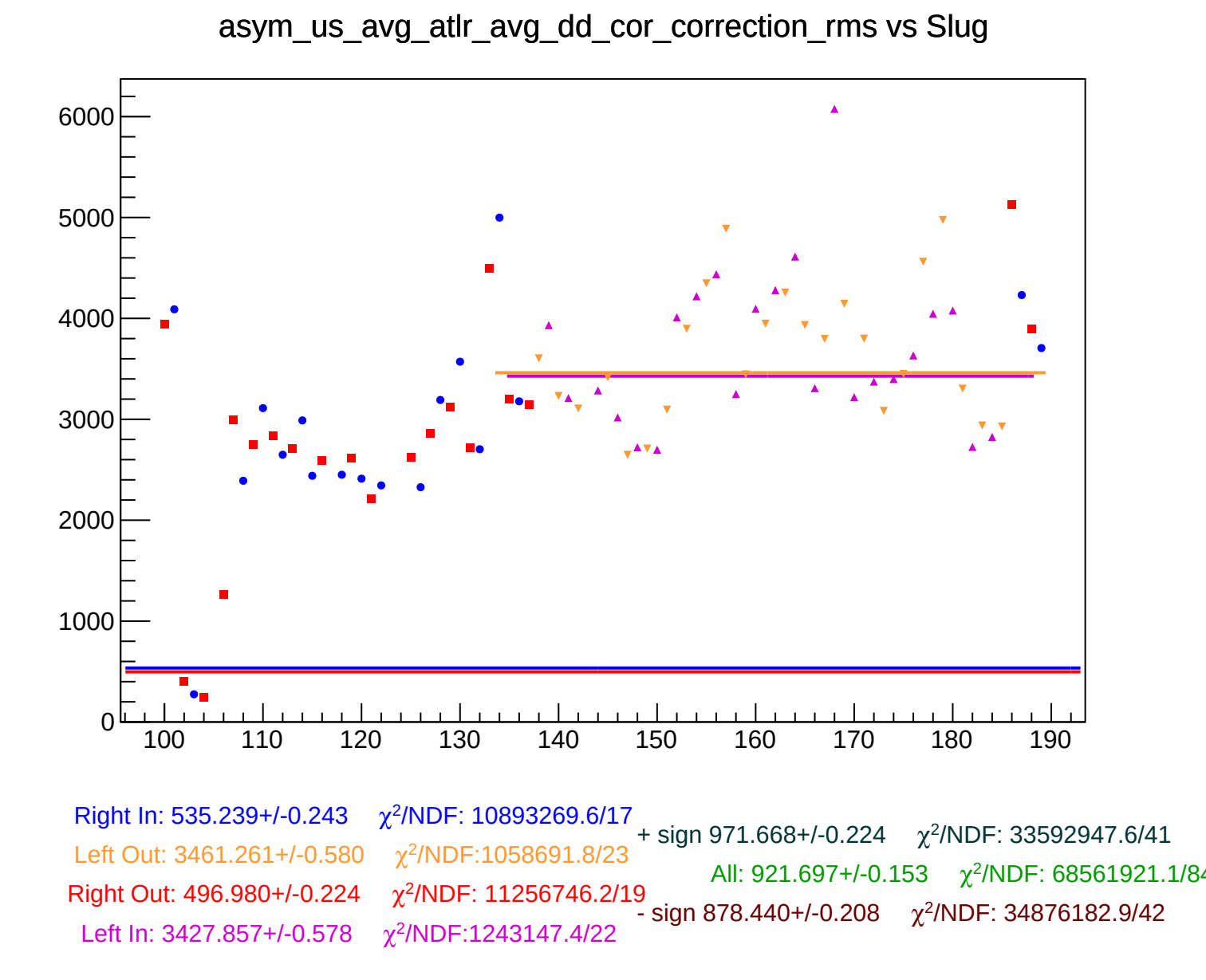
Right Out: 83.085+/-316.114 χ^2/NDF: 22.8/19

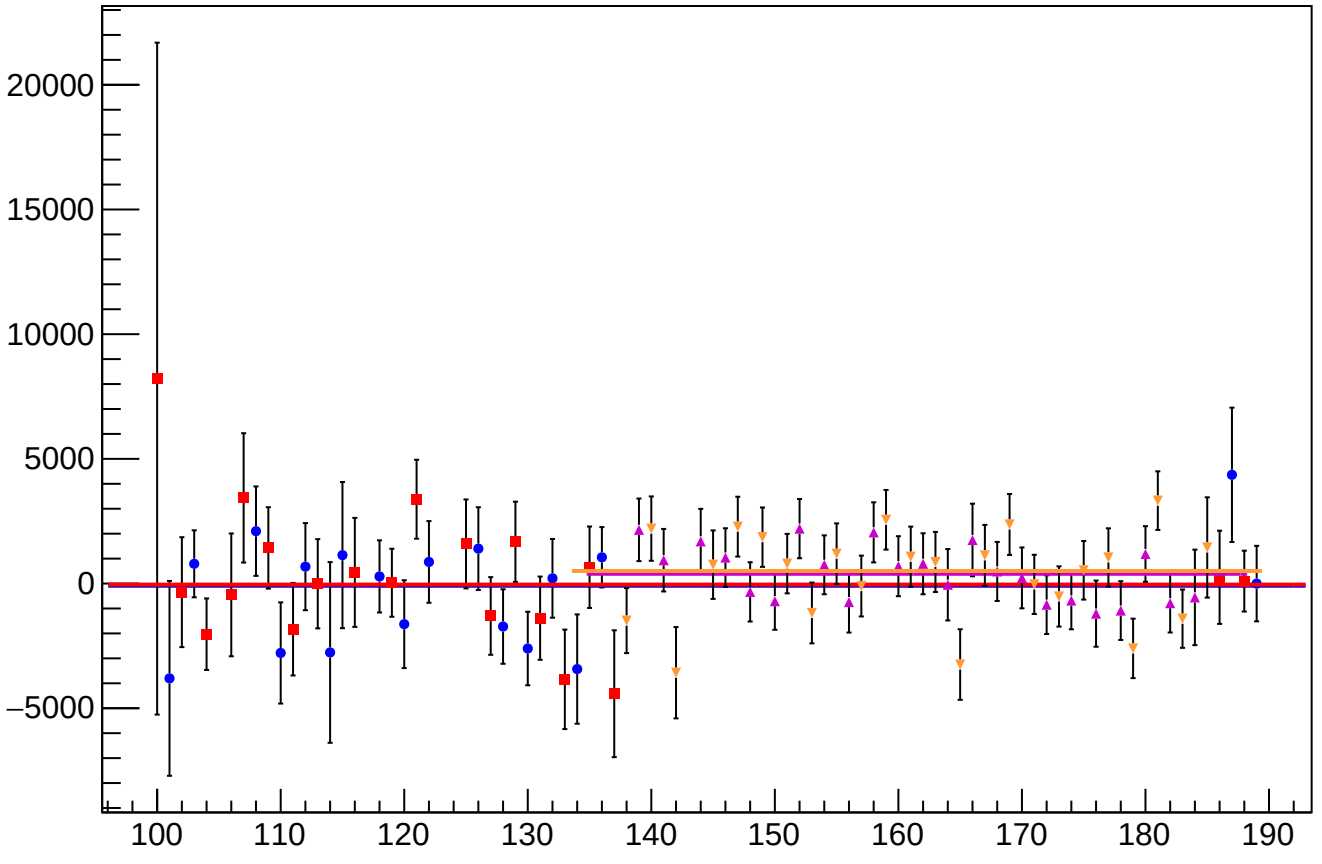
Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

\+ sign 47.504+/-316.882 χ^2/NDF: 45.5/41

All: 54.170+/-215.850 χ^2/NDF: 82.0/84

\- sign 59.941+/-294.826 χ^2/NDF: 36.5/42


asym_us_avg_atlr_avg_dd_cor_correction_rms vs Slug
6000
5000
4000
3000
2000
1000
0
100
110
120
130
140
150
160
170
180
190
Right In: 535.239+/-0.243 χ²/NDF: 10893269.6/17
Left Out: 3461.261+/-0.580 χ²/NDF:1058691.8/23
Right Out: 496.980+/-0.224 χ²/NDF: 11256746.2/19
Left In: 3427.857+/-0.578 χ²/NDF:1243147.4/22
+ sign 971.668+/-0.224 χ²/NDF: 33592947.6/41
All: 921.697+/-0.153 χ²/NDF: 68561921.1/84
- sign 878.440+/-0.208 χ²/NDF: 34876182.9/42



Right In: -88.254+/-408.115 χ^2/NDF: 17.6/17

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: -42.678+/-396.920 χ^2/NDF: 20.7/19

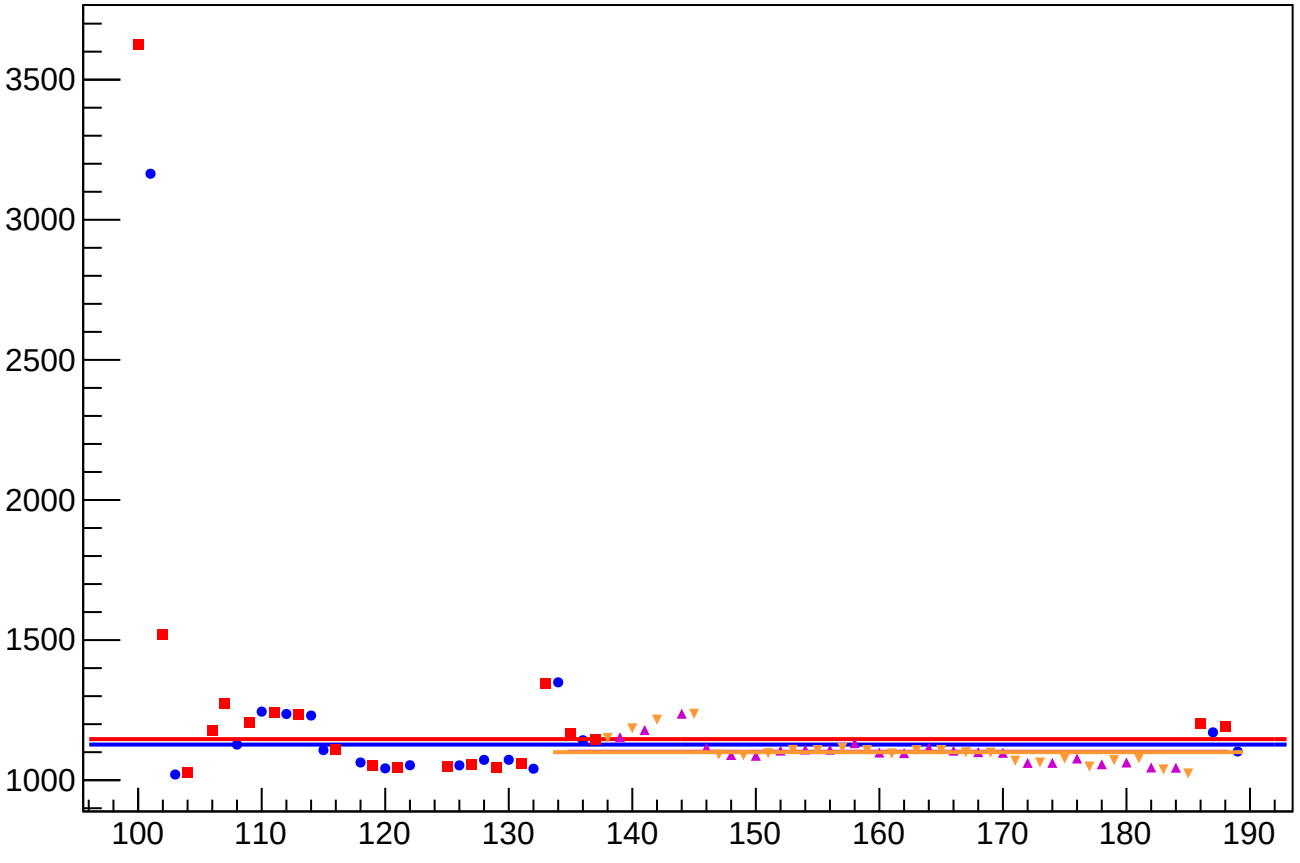
Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 336.976+/-216.580 χ^2/NDF: 63.6/41

All: 299.934+/-152.924 χ^2/NDF: 103.1/84

- sign 263.106+/-215.956 χ^2/NDF: 39.4/42

eigen_cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1127.135+/-0.289 χ^2/NDF: 622456.4/17

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

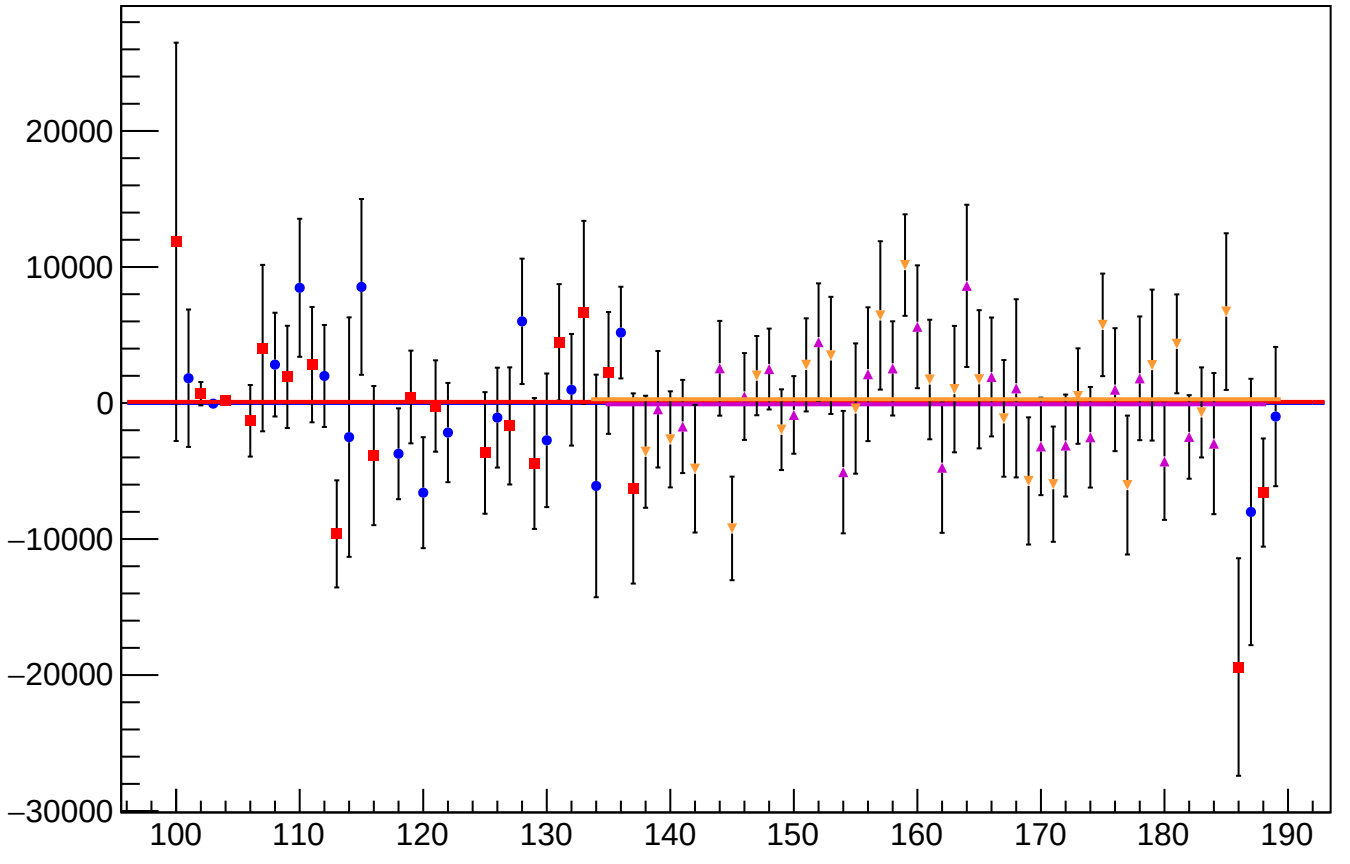
Right Out: 1146.692+/-0.281 χ^2/NDF: 226063.4/19

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1107.687+/-0.153 χ^2/NDF: 687511.9/41

All: 1111.308+/-0.108 χ^2/NDF: 985075.9/84

- sign 1114.908+/-0.153 χ^2/NDF: 296449.2/42



Right In: 7.179+/-343.536 χ^2/NDF: 15.6/17

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

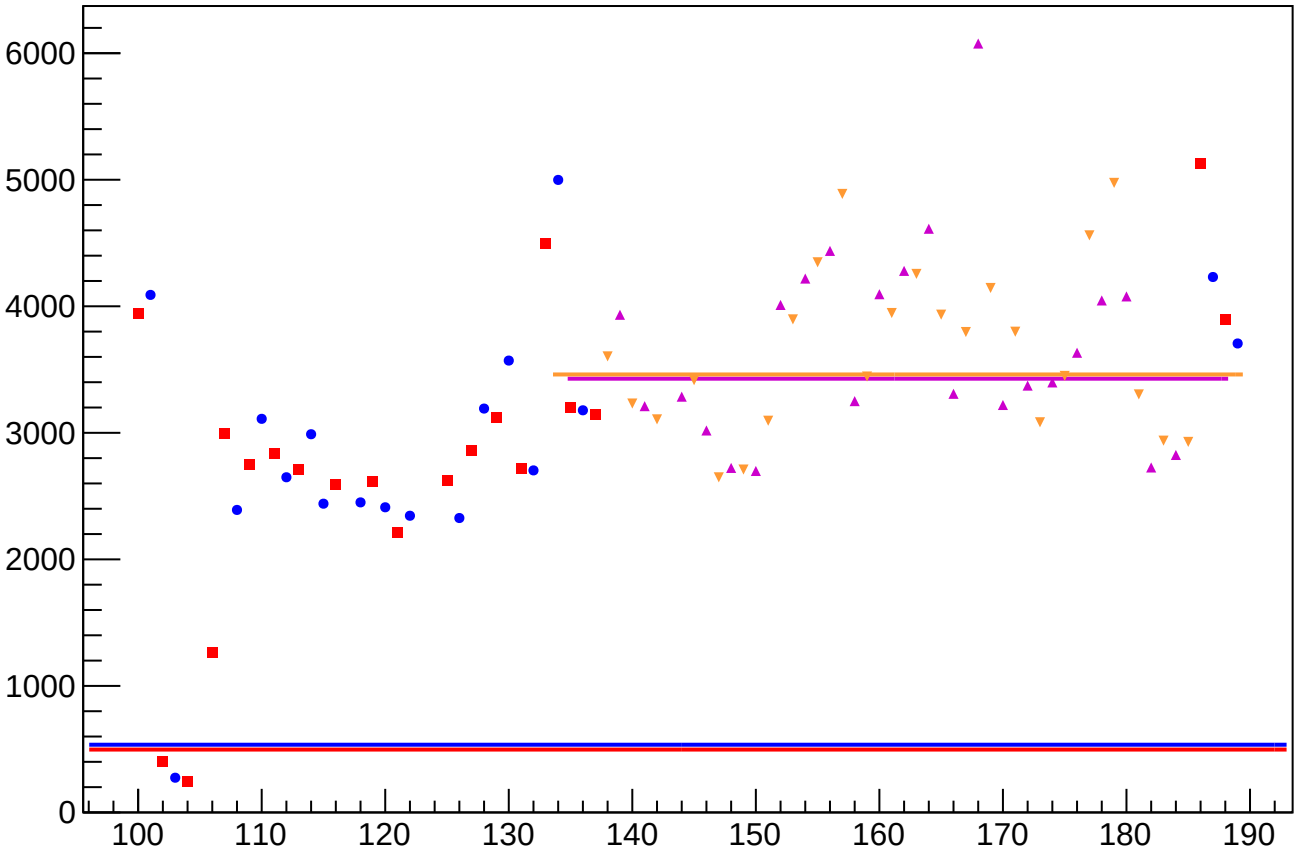
Right Out: 83.085+/-316.114 χ^2/NDF: 22.8/19

Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

\+ sign 47.504+/-316.882 χ^2/NDF: 45.5/41

All: 54.170+/-215.850 χ^2/NDF: 82.0/84

\- sign 59.941+/-294.826 χ^2/NDF: 36.5/42



Right In: 535.239+/-0.243 χ^2/NDF: 10893269.6/17

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 496.980+/-0.224 χ^2/NDF: 11256746.2/19

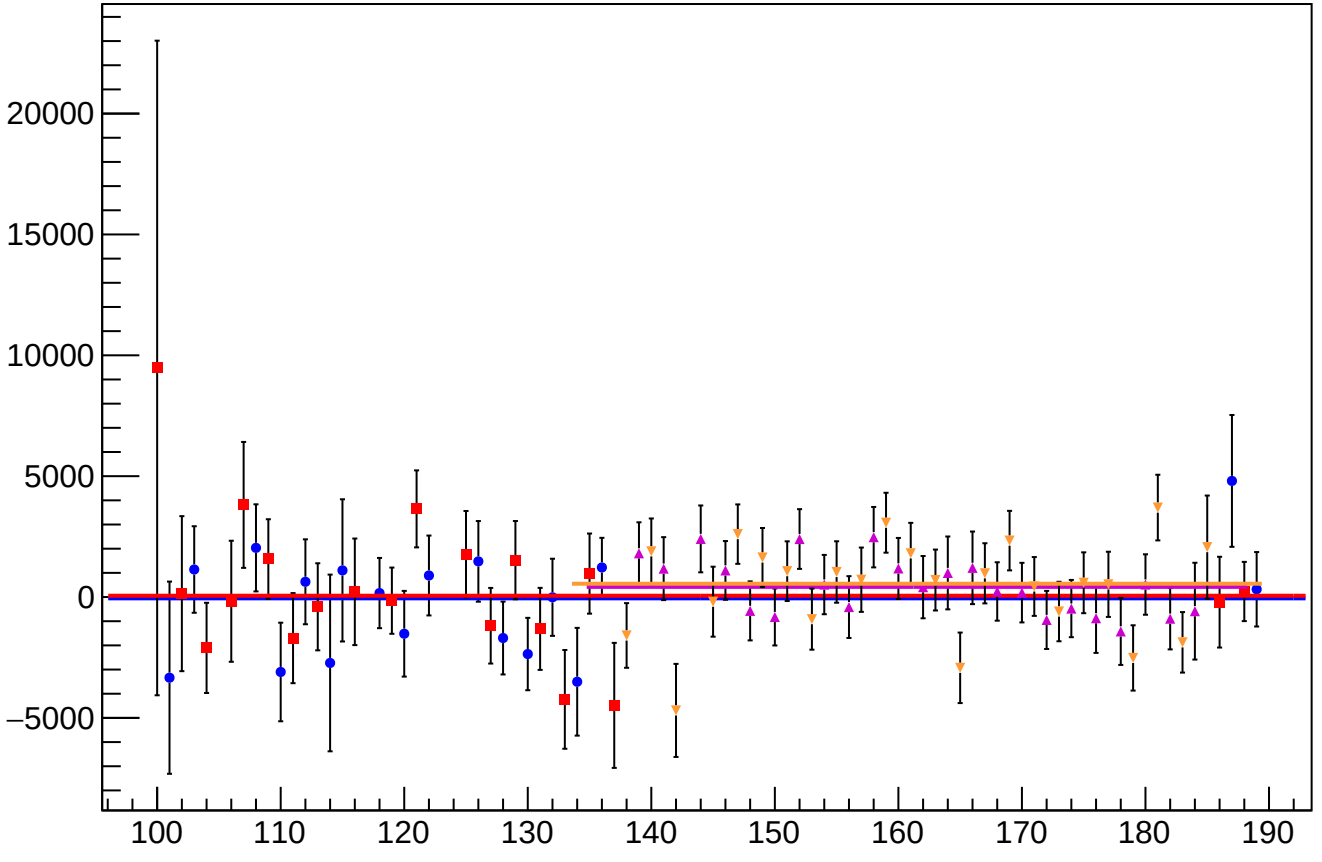
Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

+ sign 971.668+/-0.224 χ^2/NDF: 33592947.6/41

All: 921.697+/-0.153 χ^2/NDF: 68561921.1/84

- sign 878.440+/-0.208 χ^2/NDF: 34876182.9/42

dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -54.038+/-420.373 χ^2/NDF: 17.7/17

Left Out: 550.661+/-269.206 χ^2/NDF:45.2/23

Right Out: 53.838+/-409.959 χ^2/NDF: 21.7/19

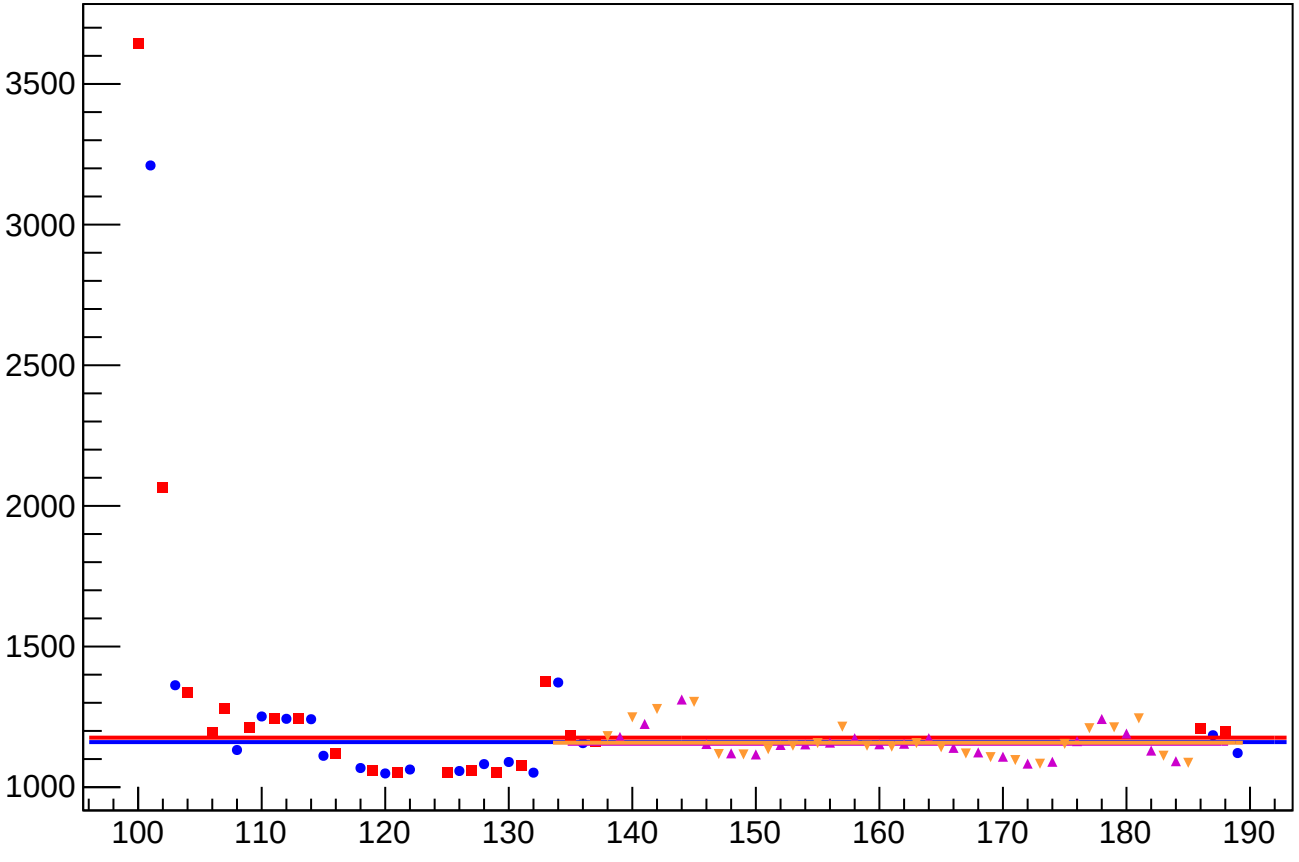
Left In: 421.023+/-269.815 χ^2/NDF:18.0/22

\+ sign 374.793+/-226.704 χ^2/NDF: 64.4/41

All: 342.229+/-159.834 χ^2/NDF: 104.7/84

\- sign 310.044+/-225.381 χ^2/NDF: 40.2/42

dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1160.278+/-0.297 χ^2/NDF: 636860.6/17

Left Out: 1158.177+/-0.190 χ^2/NDF:84111.8/23

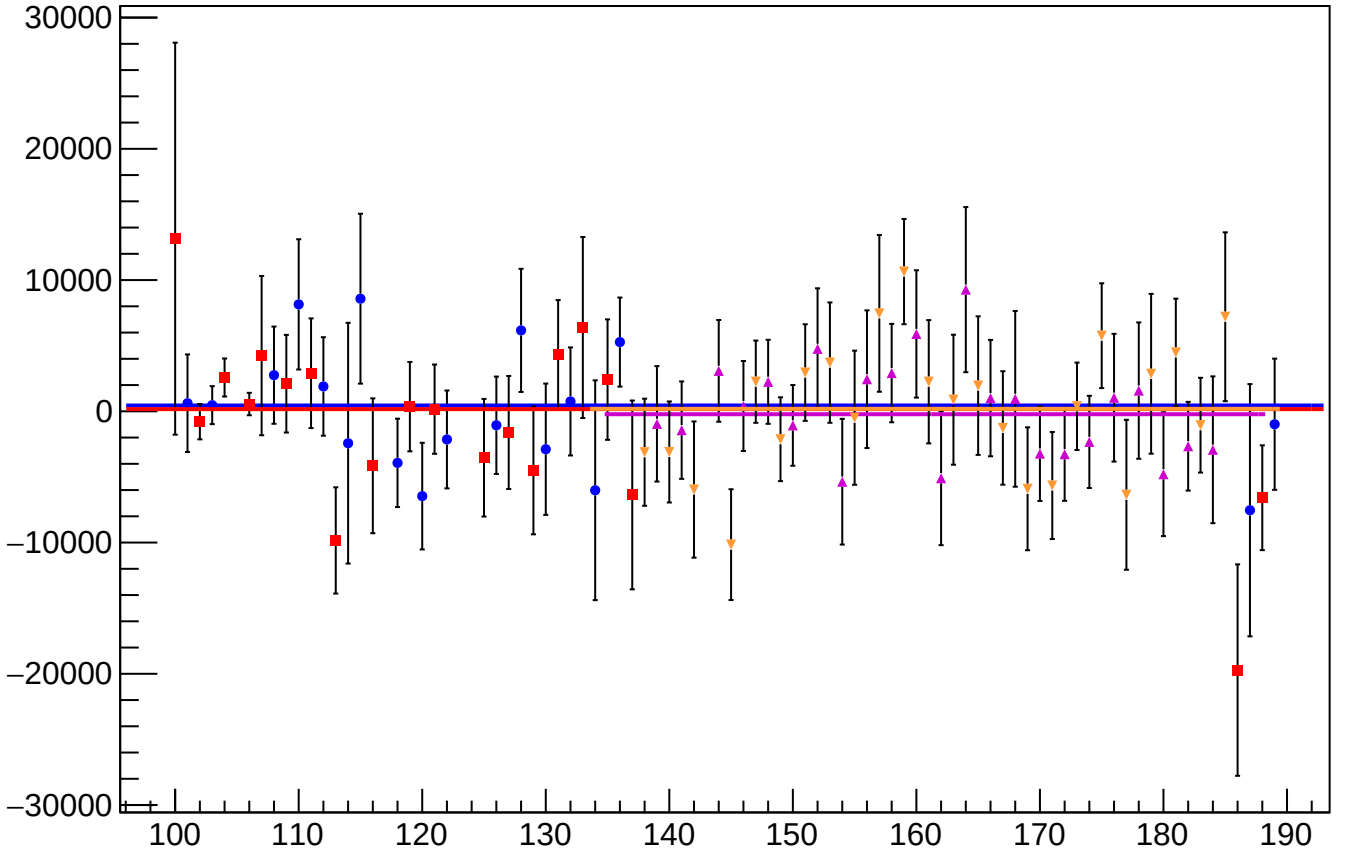
Right Out: 1176.103+/-0.290 χ^2/NDF: 333054.8/19

Left In: 1154.231+/-0.191 χ^2/NDF:66476.9/22

+ sign 1158.788+/-0.160 χ^2/NDF: 721007.8/41

All: 1159.823+/-0.113 χ^2/NDF: 1124597.1/84

- sign 1160.845+/-0.159 χ^2/NDF: 403506.5/42



Right In: 442.844+/-857.628 χ^2/NDF: 15.2/17

Left Out: 189.735+/-869.432 χ^2/NDF:29.3/23

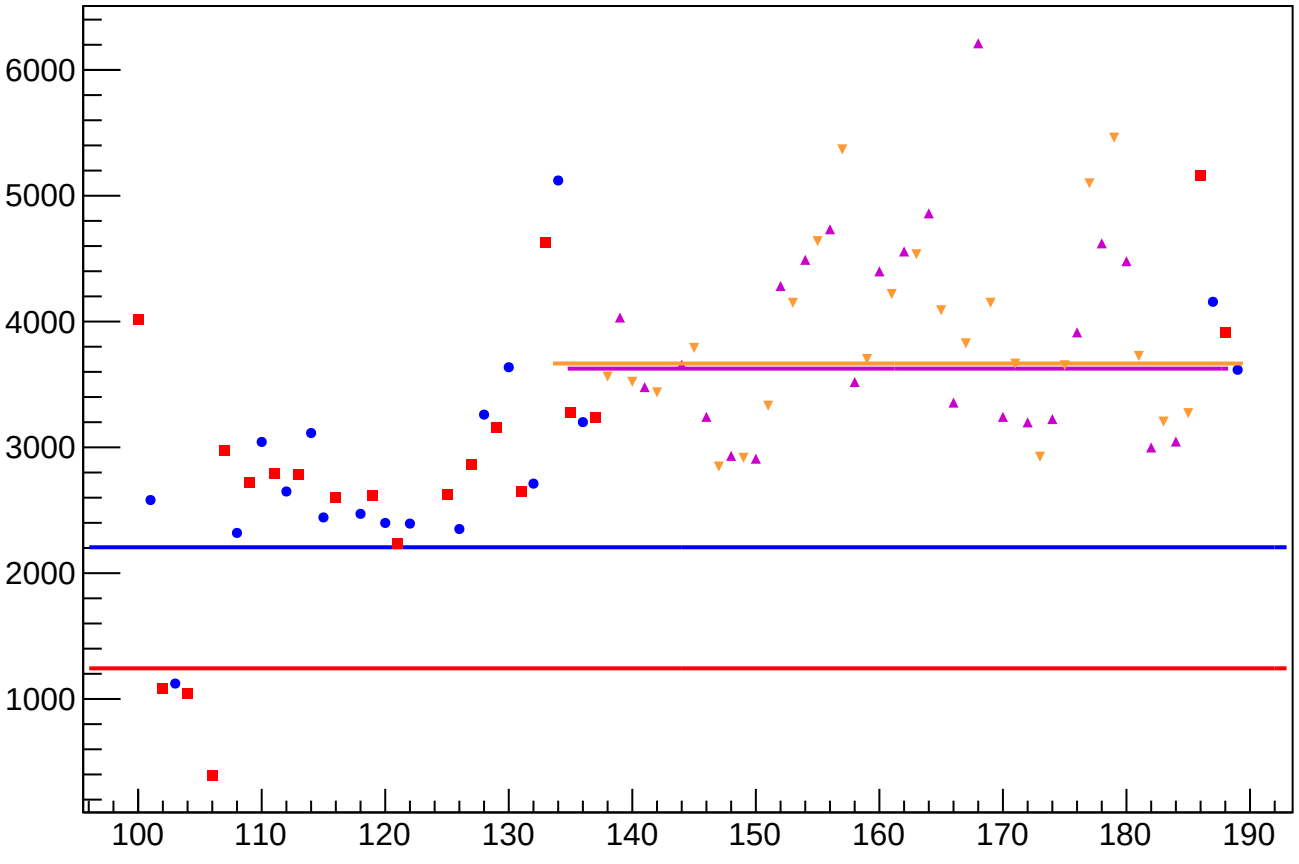
Right Out: 166.665+/-558.921 χ^2/NDF: 25.8/19

Left In: -221.361+/-864.775 χ^2/NDF:13.4/22

+ sign 318.019+/-610.565 χ^2/NDF: 44.5/41

All: 151.035+/-372.142 χ^2/NDF: 83.9/84

- sign 52.334+/-469.412 χ^2/NDF: 39.3/42



Right In: 2205.883+/-0.606 χ^2/NDF: 2225564.6/17

Left Out: 3666.536+/-0.615 χ^2/NDF:1095831.4/23

Right Out: 1243.489+/-0.395 χ^2/NDF: 7216375.7/19

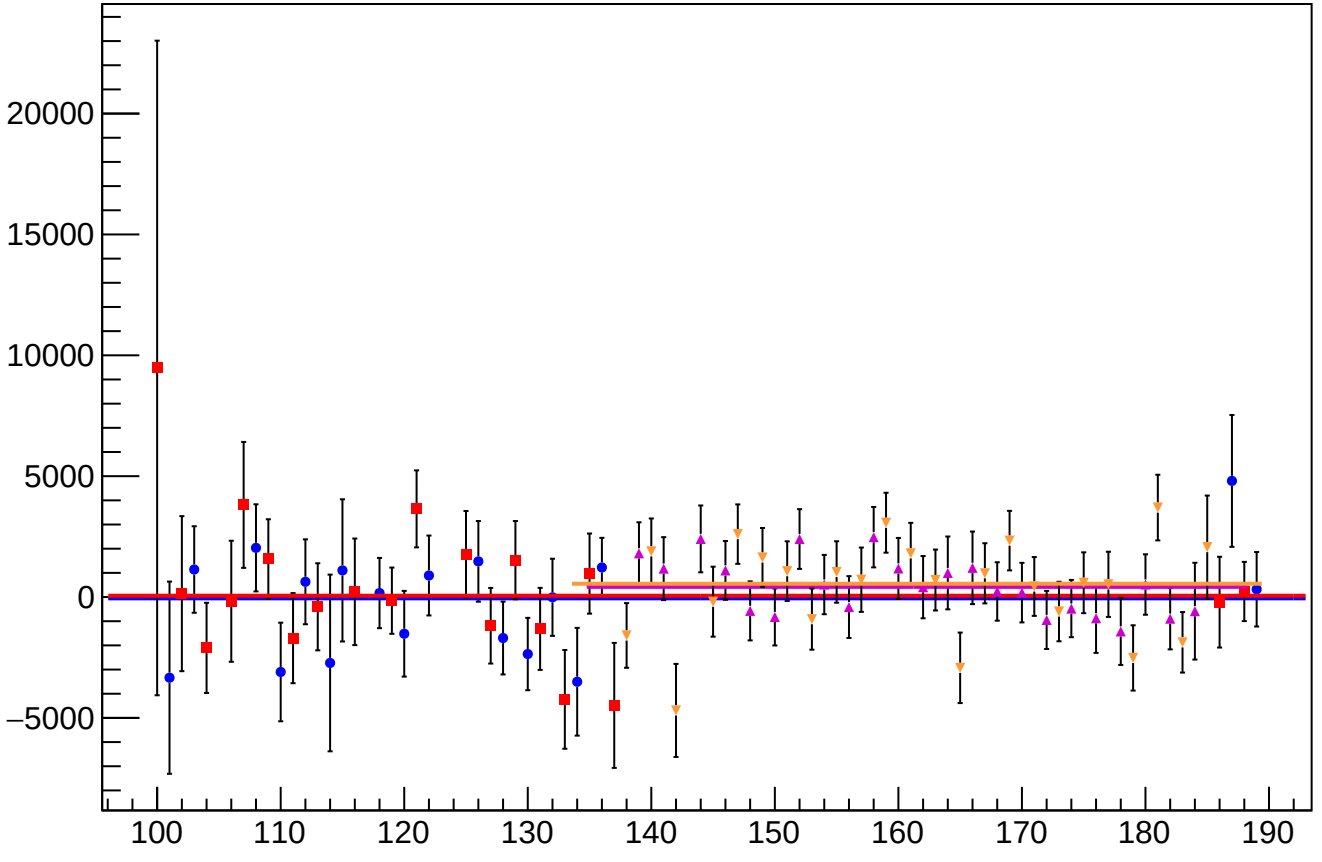
Left In: 3625.940+/-0.611 χ^2/NDF:1257928.4/22

+ sign 2926.226+/-0.432 χ^2/NDF: 6182401.9/41

All: 2309.816+/-0.263 χ^2/NDF: 28607332.9/8

- sign 1945.470+/-0.332 χ^2/NDF: 19181559.7/42

eigen_dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -54.040+/-420.373 χ^2/NDF: 17.7/17

Left Out: 550.663+/-269.206 χ^2/NDF:45.2/23

Right Out: 53.843+/-409.959 χ^2/NDF: 21.7/19

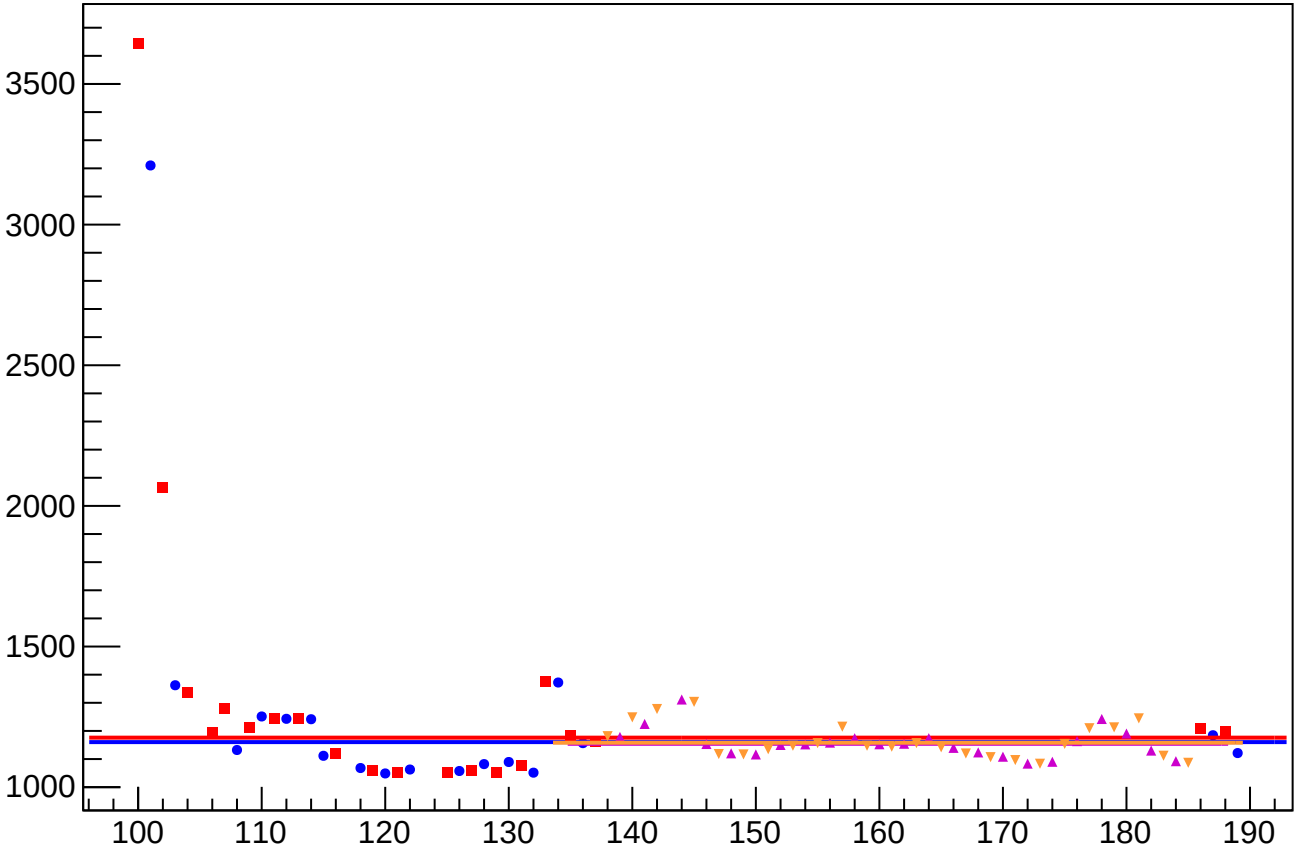
Left In: 421.022+/-269.815 χ^2/NDF:18.0/22

\+ sign 374.794+/-226.704 χ^2/NDF: 64.4/41

All: 342.230+/-159.834 χ^2/NDF: 104.7/84

\- sign 310.044+/-225.382 χ^2/NDF: 40.2/42

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1160.278+/-0.297 χ^2/NDF: 636860.8/17

Left Out: 1158.178+/-0.190 χ^2/NDF:84114.3/23

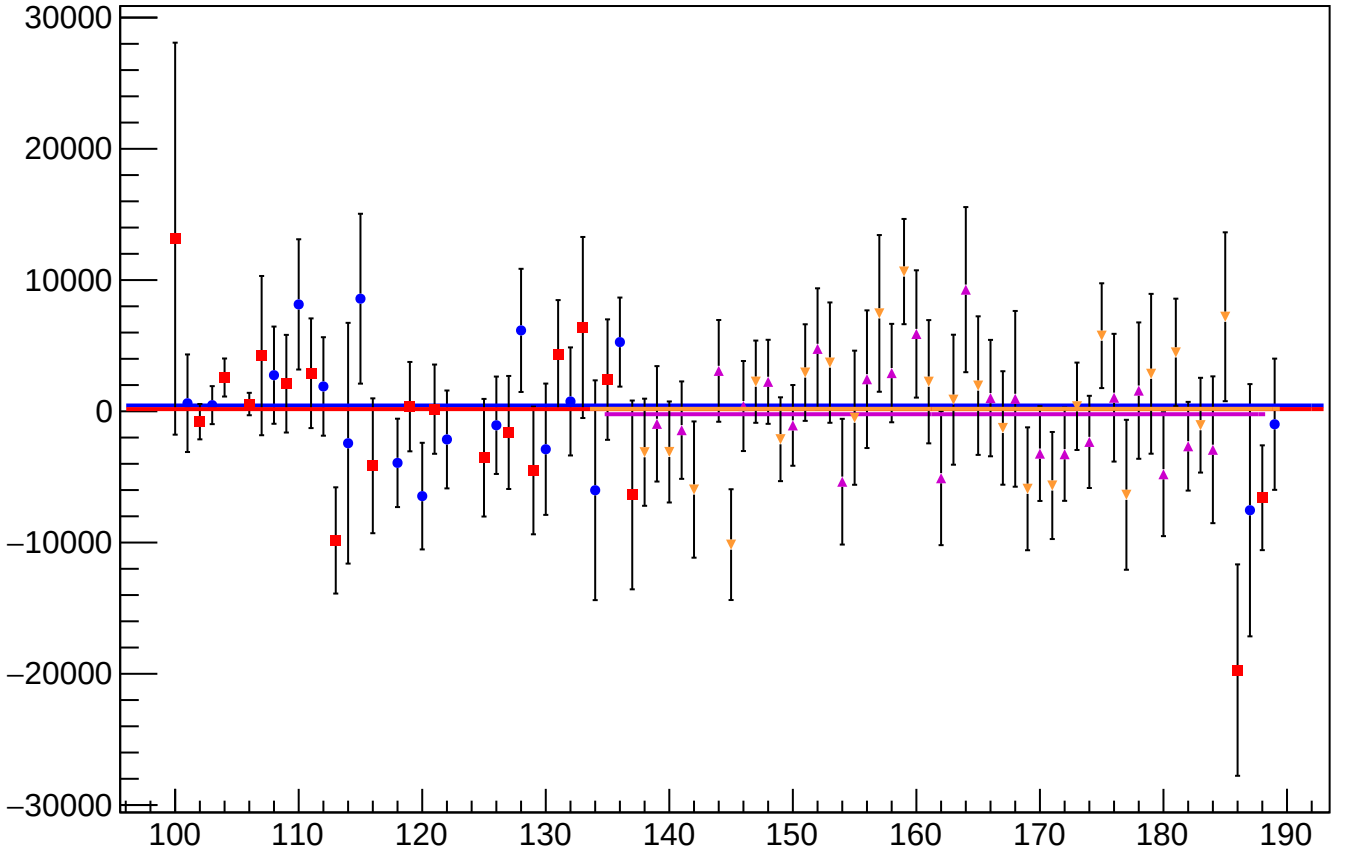
Right Out: 1176.103+/-0.290 χ^2/NDF: 333054.4/19

Left In: 1154.232+/-0.191 χ^2/NDF:66479.5/22

+ sign 1158.788+/-0.160 χ^2/NDF: 721010.4/41

All: 1159.823+/-0.113 χ^2/NDF: 1124601.5/84

- sign 1160.846+/-0.159 χ^2/NDF: 403508.2/42



Right In: 442.838+/-857.627 χ^2/NDF: 15.2/17

Left Out: 189.735+/-869.434 χ^2/NDF:29.3/23

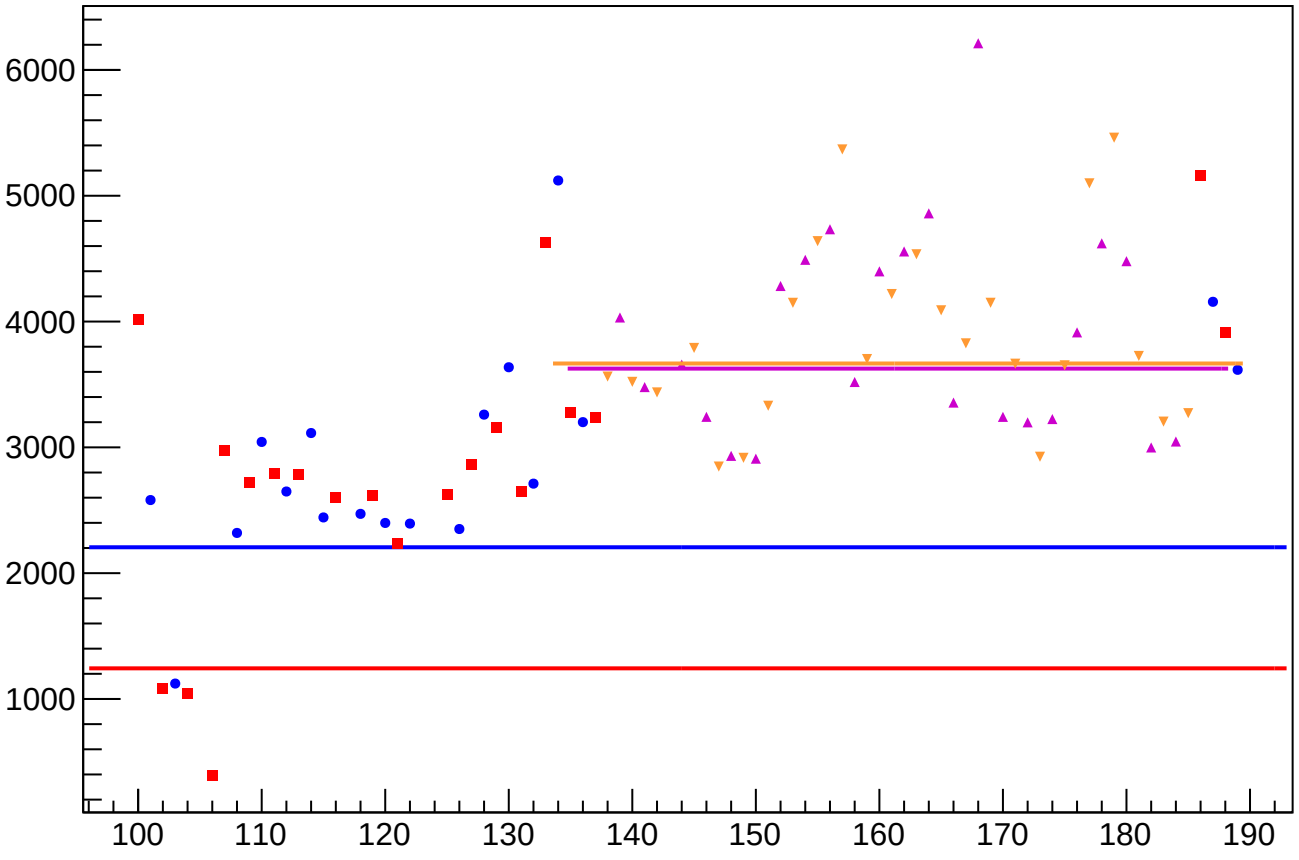
Right Out: 166.672+/-558.915 χ^2/NDF: 25.8/19

Left In: -221.363+/-864.776 χ^2/NDF:13.4/22

\+ sign 318.017+/-610.565 χ^2/NDF: 44.5/41

All: 151.037+/-372.140 χ^2/NDF: 83.9/84

\- sign 52.341+/-469.408 χ^2/NDF: 39.3/42



Right In: 2205.879+/-0.606 χ^2/NDF: 2225562.5/17

Left Out: 3666.541+/-0.615 χ^2/NDF:1095834.2/23

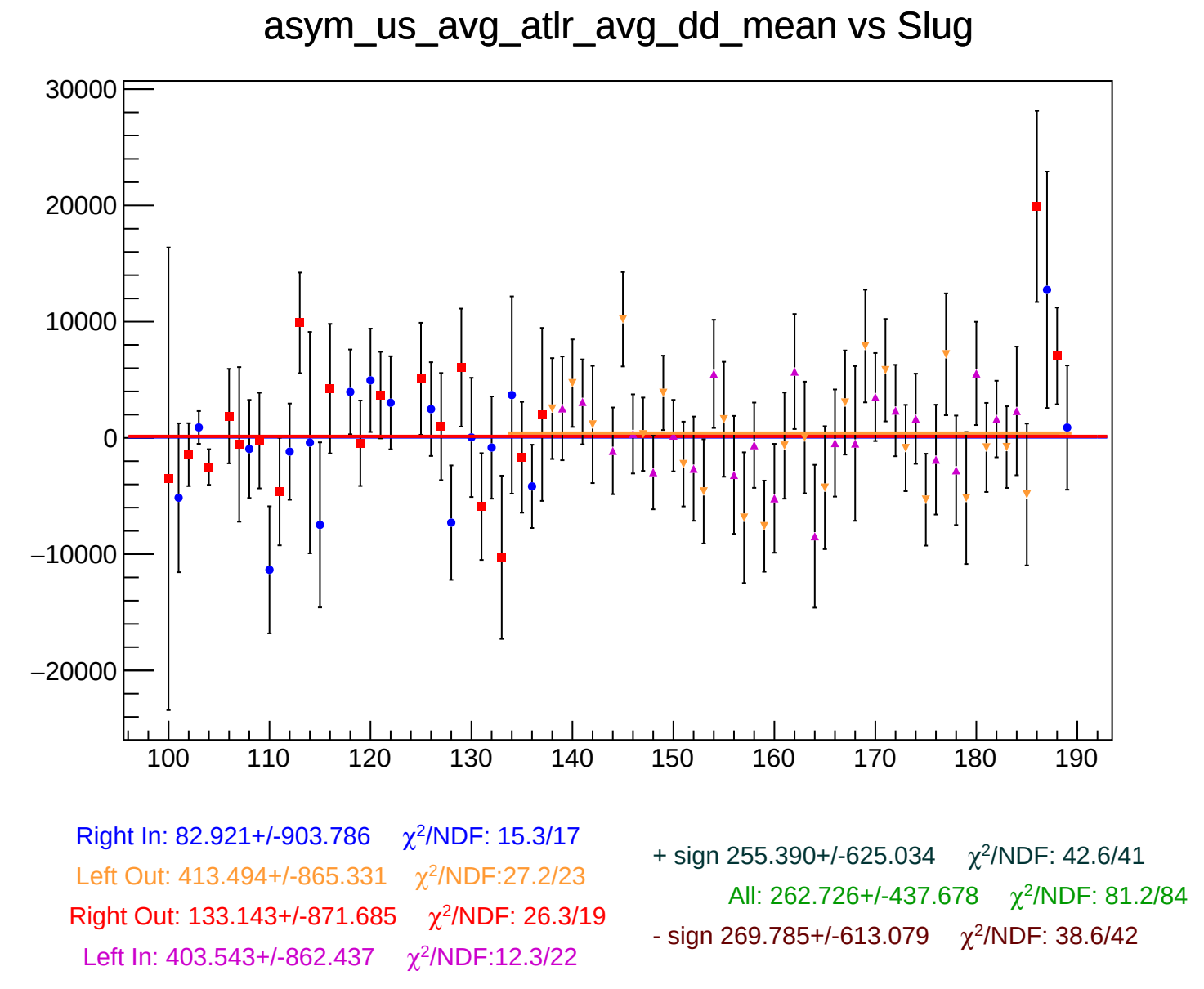
Right Out: 1243.465+/-0.395 χ^2/NDF: 7216525.4/19

Left In: 3625.945+/-0.611 χ^2/NDF:1257933.0/22

+ sign 2926.225+/-0.432 χ^2/NDF: 6182435.5/41

All: 2309.794+/-0.263 χ^2/NDF: 28608037.0/8

- sign 1945.442+/-0.332 χ^2/NDF: 19182028.7/42


asym_us_avg_atlr_avg_dd_mean vs Slug
30000
20000
10000
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−10000
−20000
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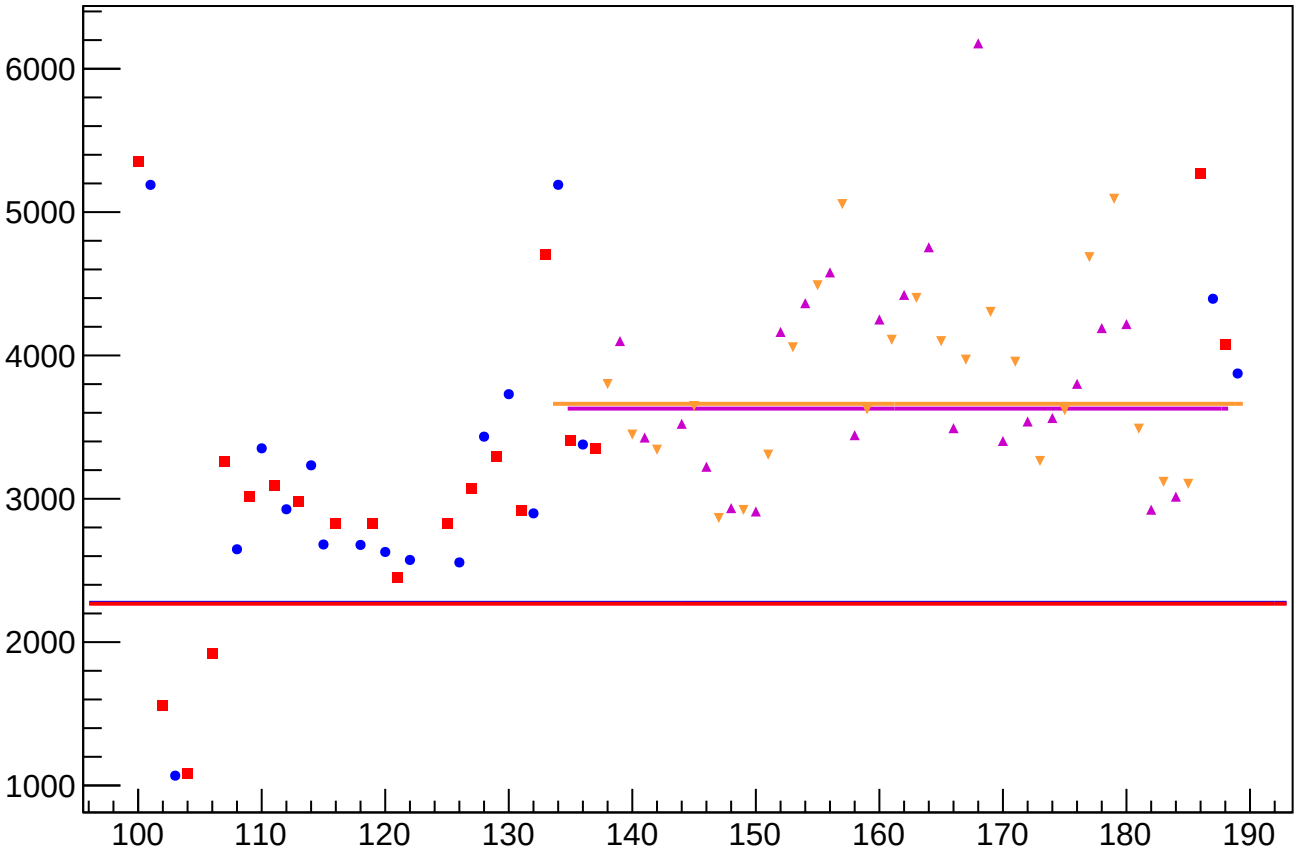
Right In: 82.921+/-903.786 χ²/NDF: 15.3/17
Left Out: 413.494+/-865.331 χ²/NDF:27.2/23
Right Out: 133.143+/-871.685 χ²/NDF: 26.3/19
Left In: 403.543+/-862.437 χ²/NDF:12.3/22
+ sign 255.390+/-625.034 χ²/NDF: 42.6/41
All: 262.726+/-437.678 χ²/NDF: 81.2/84
- sign 269.785+/-613.079 χ²/NDF: 38.6/42



Right In: 2274.199+/-0.639 χ^2/NDF: 3112976.4/17

Left Out: 3662.662+/-0.612 χ^2/NDF:893468.3/23

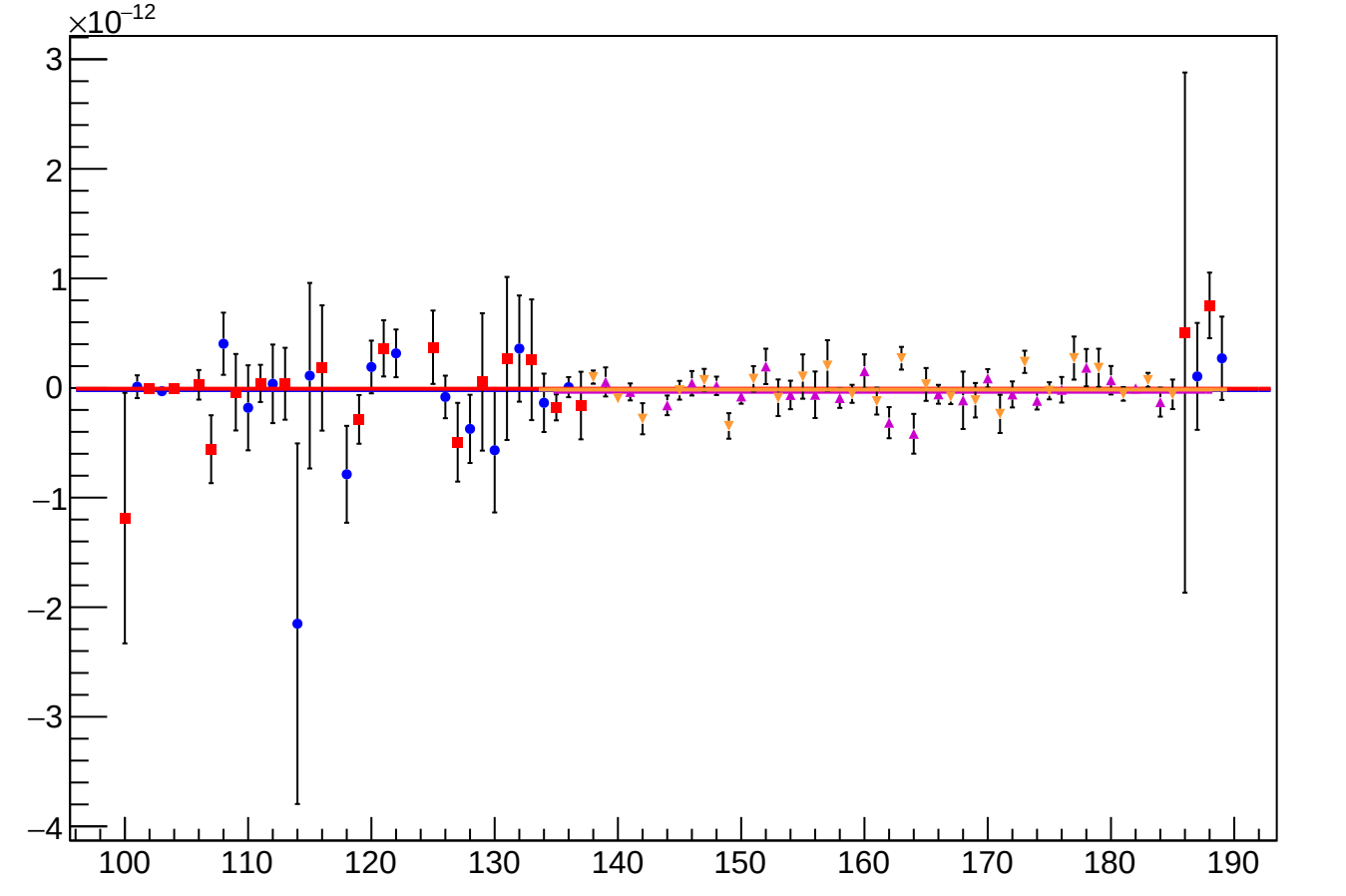
Right Out: 2268.009+/-0.615 χ^2/NDF: 2949213.1/19

Left In: 3629.184+/-0.610 χ^2/NDF:1054949.6/22

+ sign 2998.594+/-0.442 χ^2/NDF: 6469145.0/41

All: 2976.002+/-0.309 χ^2/NDF: 12948494.1/8

- sign 2954.315+/-0.433 χ^2/NDF: 6474227.7/42



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/17

Left Out: -0.000+/-0.000 χ^2/NDF:45.3/23

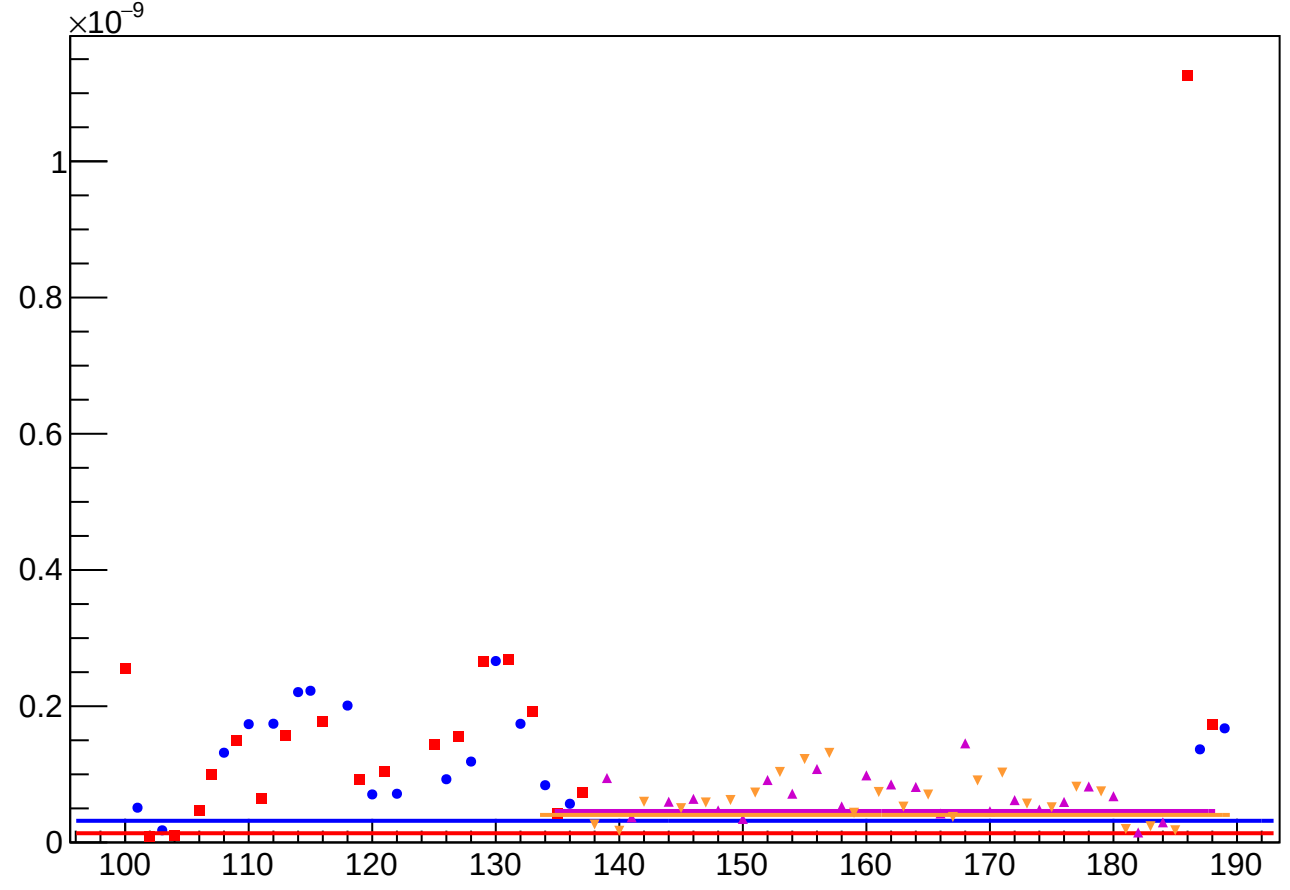
Right Out: -0.000+/-0.000 χ^2/NDF: 20.5/19

Left In: -0.000+/-0.000 χ^2/NDF:22.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.7/41

All: -0.000+/-0.000 χ^2/NDF: 104.3/84

- sign -0.000+/-0.000 χ^2/NDF: 44.6/42



Right In: 0.000+/-0.000 χ^2/NDF: 3348146.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:3432253.9/23

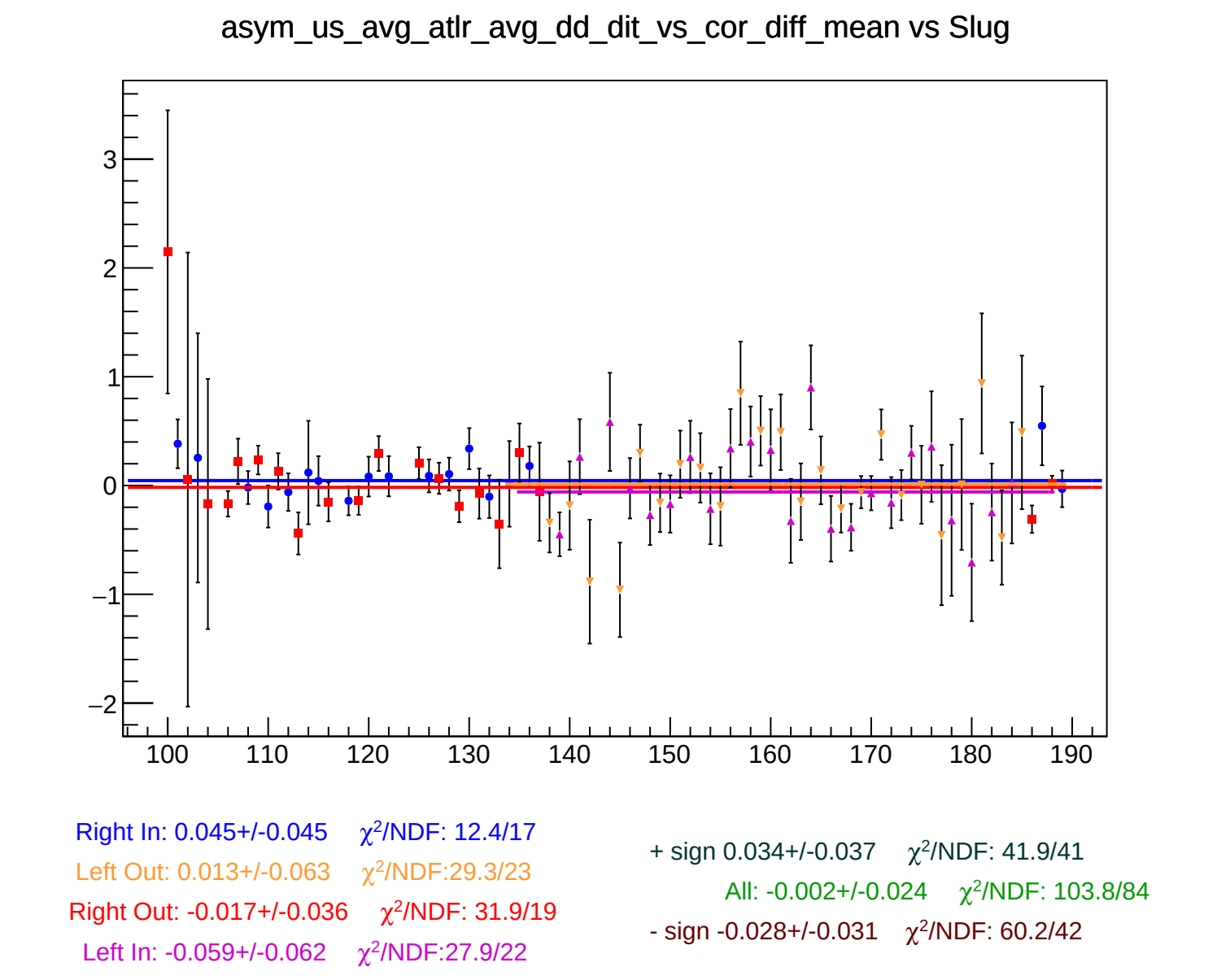
Right Out: 0.000+/-0.000 χ^2/NDF: 4666124.9/19

Left In: 0.000+/-0.000 χ^2/NDF:2954466.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 6930861.1/41

All: 0.000+/-0.000 χ^2/NDF: 18778363.4/84

- sign 0.000+/-0.000 χ^2/NDF: 11015185.9/42


asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug
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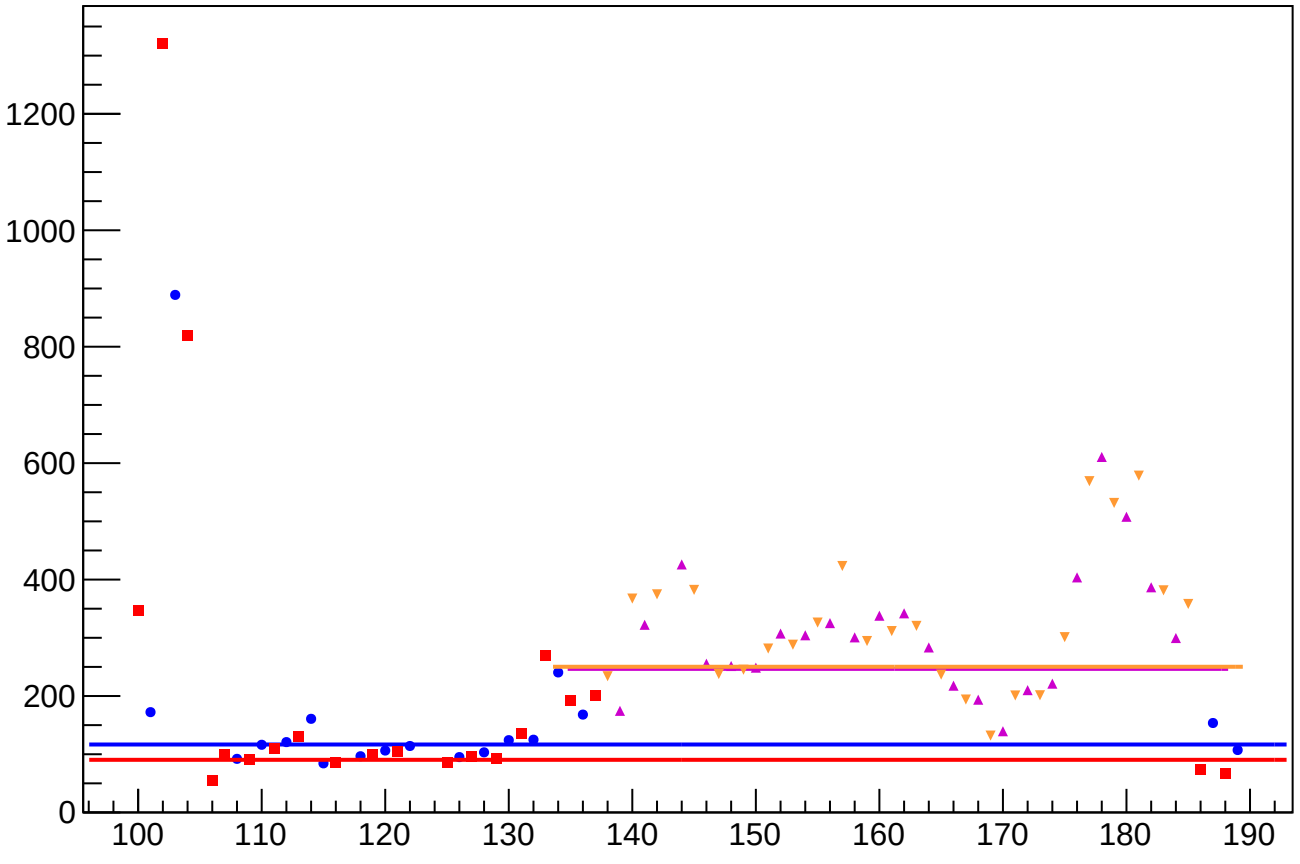
Right In: 0.045+/-0.045 χ²/NDF: 12.4/17
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: -0.017+/-0.036 χ²/NDF: 31.9/19
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.034+/-0.037 χ²/NDF: 41.9/41
All: -0.002+/-0.024 χ²/NDF: 103.8/84
- sign -0.028+/-0.031 χ²/NDF: 60.2/42



Right In: 116.721+/-0.032 χ^2/NDF: 1647962.1/17

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

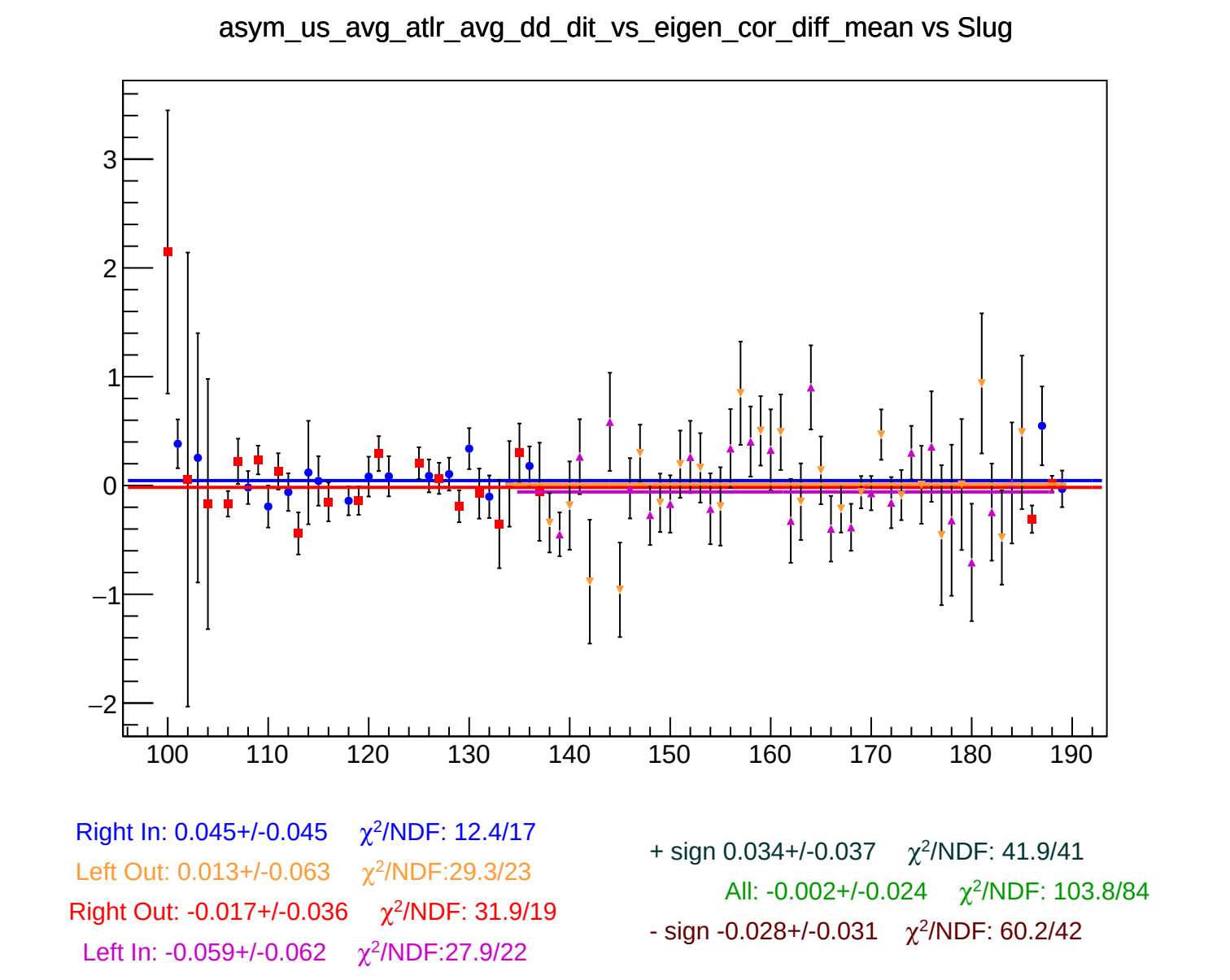
Right Out: 90.412+/-0.025 χ^2/NDF: 3012606.5/19

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

+ sign 162.252+/-0.026 χ^2/NDF: 11920294.7/41

All: 143.097+/-0.017 χ^2/NDF: 29151261.6/84

- sign 129.487+/-0.022 χ^2/NDF: 16303717.4/42


asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug
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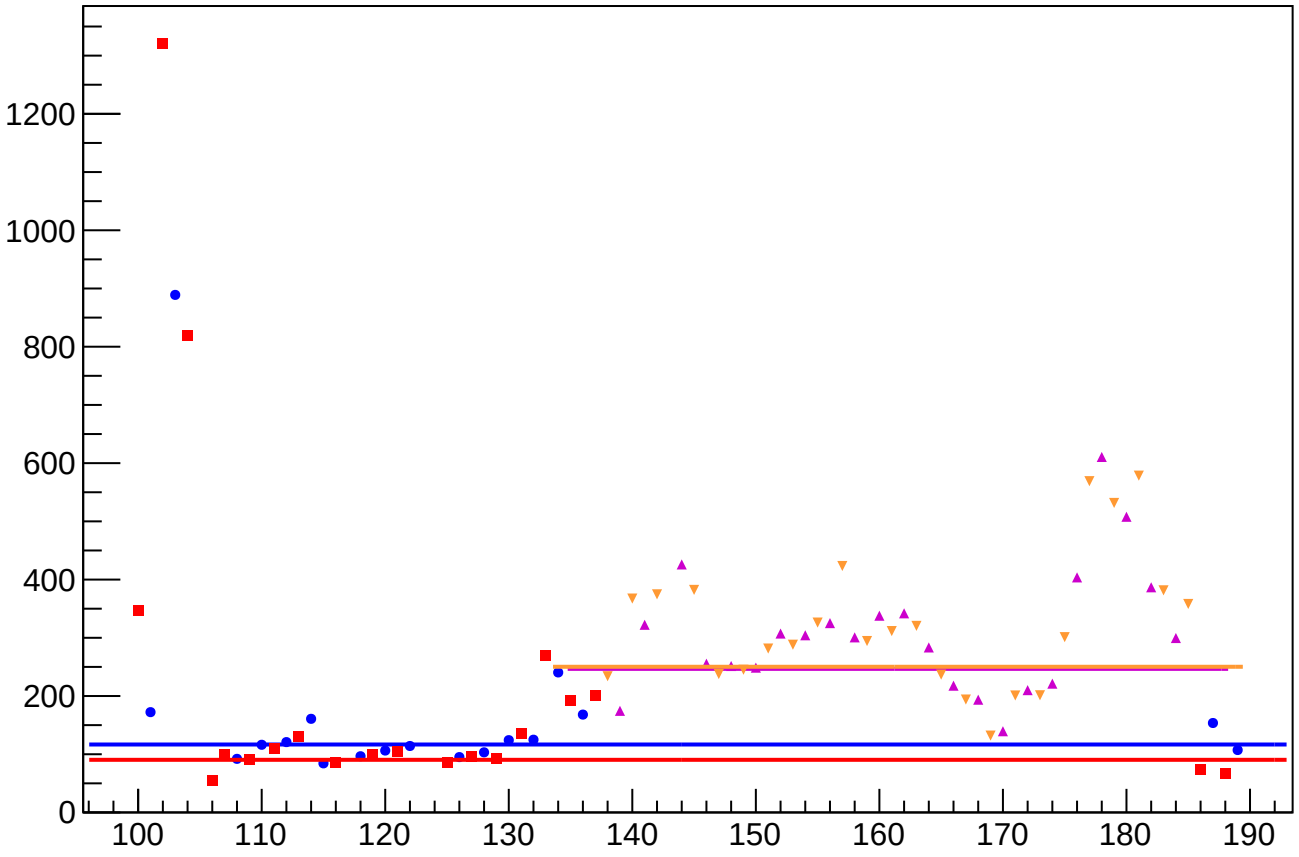
Right In: 0.045+/-0.045 χ²/NDF: 12.4/17
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: -0.017+/-0.036 χ²/NDF: 31.9/19
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.034+/-0.037 χ²/NDF: 41.9/41
All: -0.002+/-0.024 χ²/NDF: 103.8/84
- sign -0.028+/-0.031 χ²/NDF: 60.2/42



Right In: 116.721+/-0.032 χ^2/NDF: 1647962.1/17

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

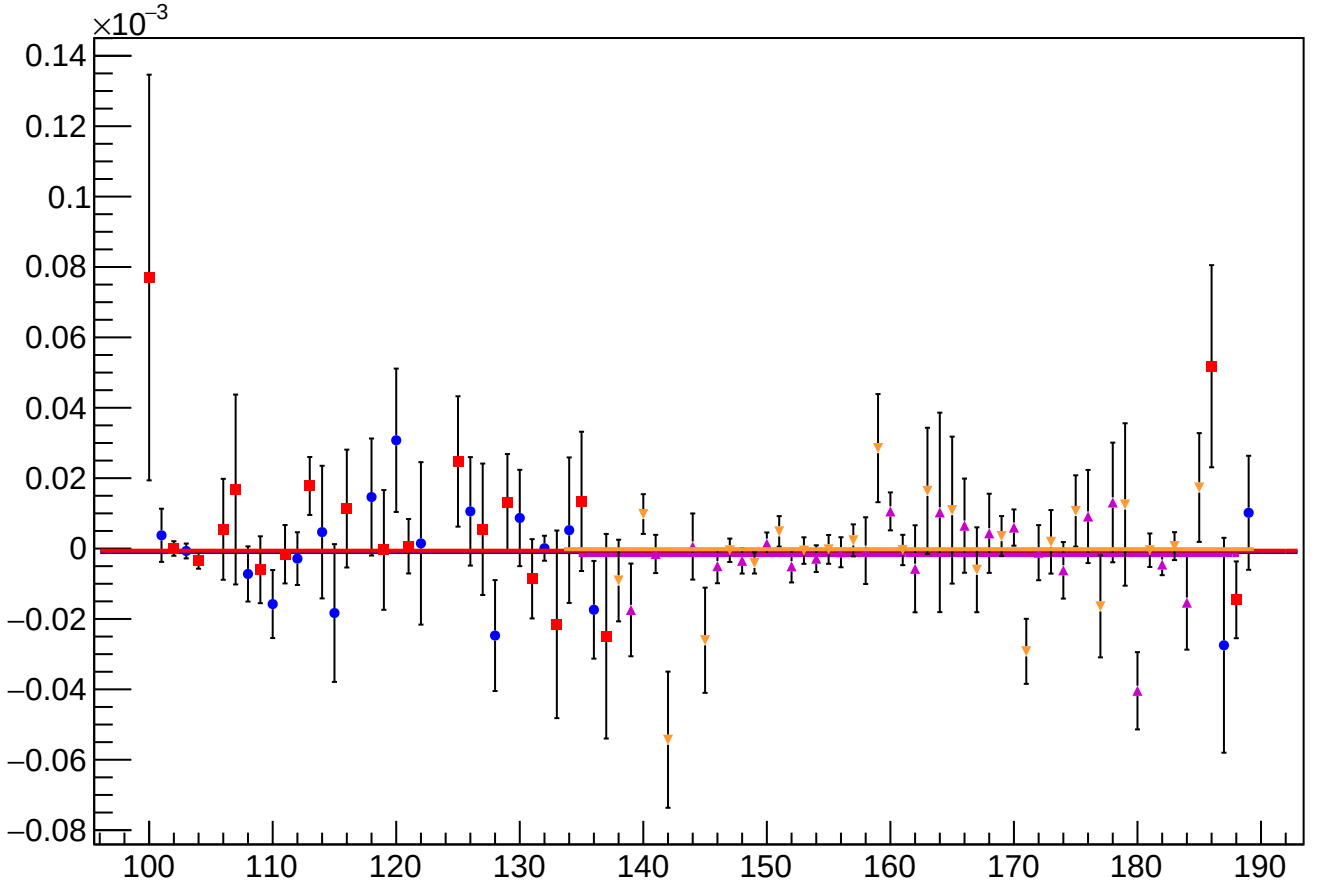
Right Out: 90.412+/-0.025 χ^2/NDF: 3012606.5/19

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

+ sign 162.252+/-0.026 χ^2/NDF: 11920294.7/41

All: 143.097+/-0.017 χ^2/NDF: 29151261.6/84

- sign 129.487+/-0.022 χ^2/NDF: 16303717.4/42



Right In: -0.000+/-0.000 χ^2/NDF: 13.8/17

Left Out: -0.000+/-0.000 χ^2/NDF:37.2/23

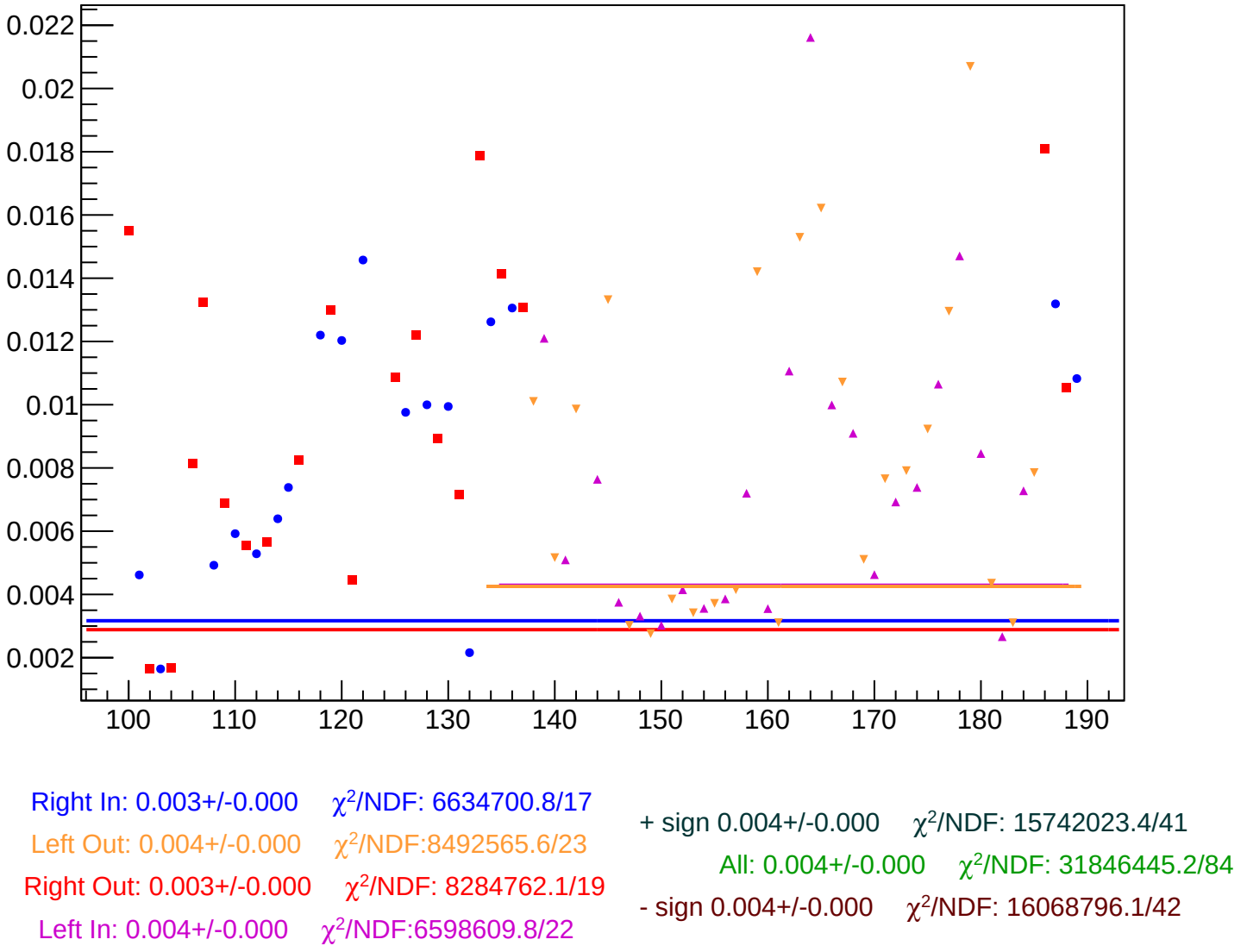
Right Out: -0.000+/-0.000 χ^2/NDF: 20.0/19

Left In: -0.000+/-0.000 χ^2/NDF:28.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 51.1/41

All: -0.000+/-0.000 χ^2/NDF: 100.2/84

- sign -0.000+/-0.000 χ^2/NDF: 48.7/42


asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug
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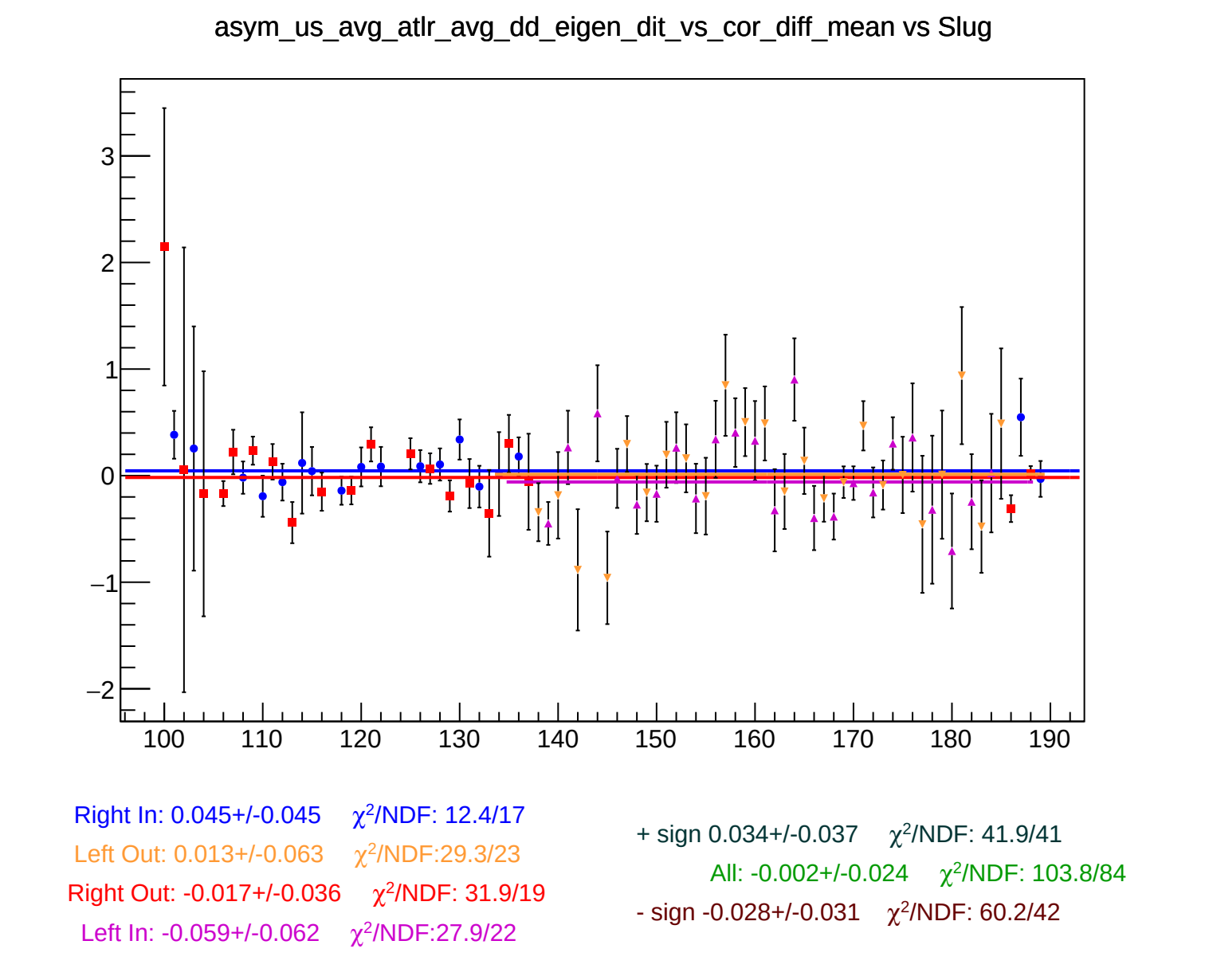
Right In: 0.003+/-0.000 χ²/NDF: 6634700.8/17
Left Out: 0.004+/-0.000 χ²/NDF:8492565.6/23
Right Out: 0.003+/-0.000 χ²/NDF: 8284762.1/19
Left In: 0.004+/-0.000 χ²/NDF:6598609.8/22
+ sign 0.004+/-0.000 χ²/NDF: 15742023.4/41
All: 0.004+/-0.000 χ²/NDF: 31846445.2/84
- sign 0.004+/-0.000 χ²/NDF: 16068796.1/42


asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug
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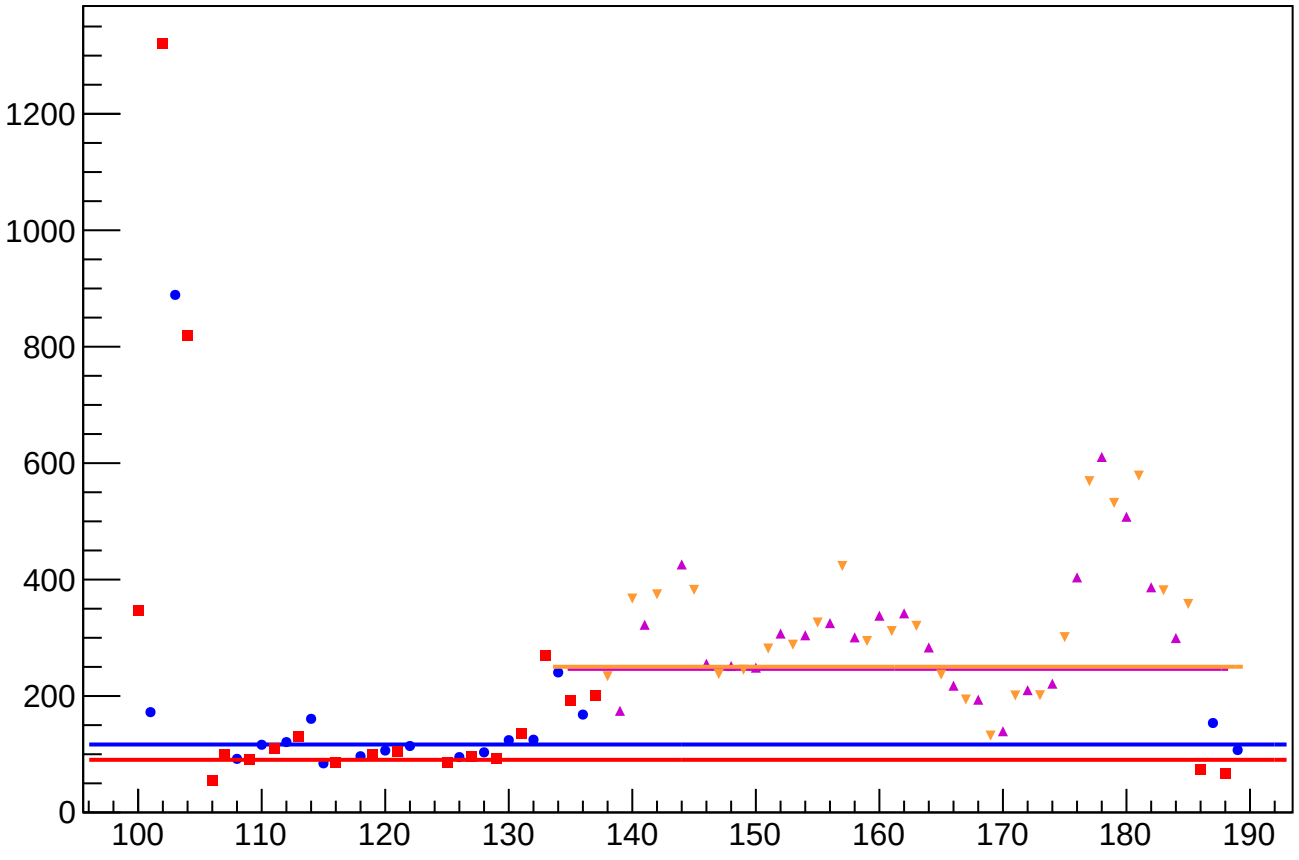
Right In: 0.045+/-0.045 χ²/NDF: 12.4/17
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: -0.017+/-0.036 χ²/NDF: 31.9/19
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.034+/-0.037 χ²/NDF: 41.9/41
All: -0.002+/-0.024 χ²/NDF: 103.8/84
- sign -0.028+/-0.031 χ²/NDF: 60.2/42



Right In: 116.720+/-0.032 χ^2/NDF: 1647969.8/17

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

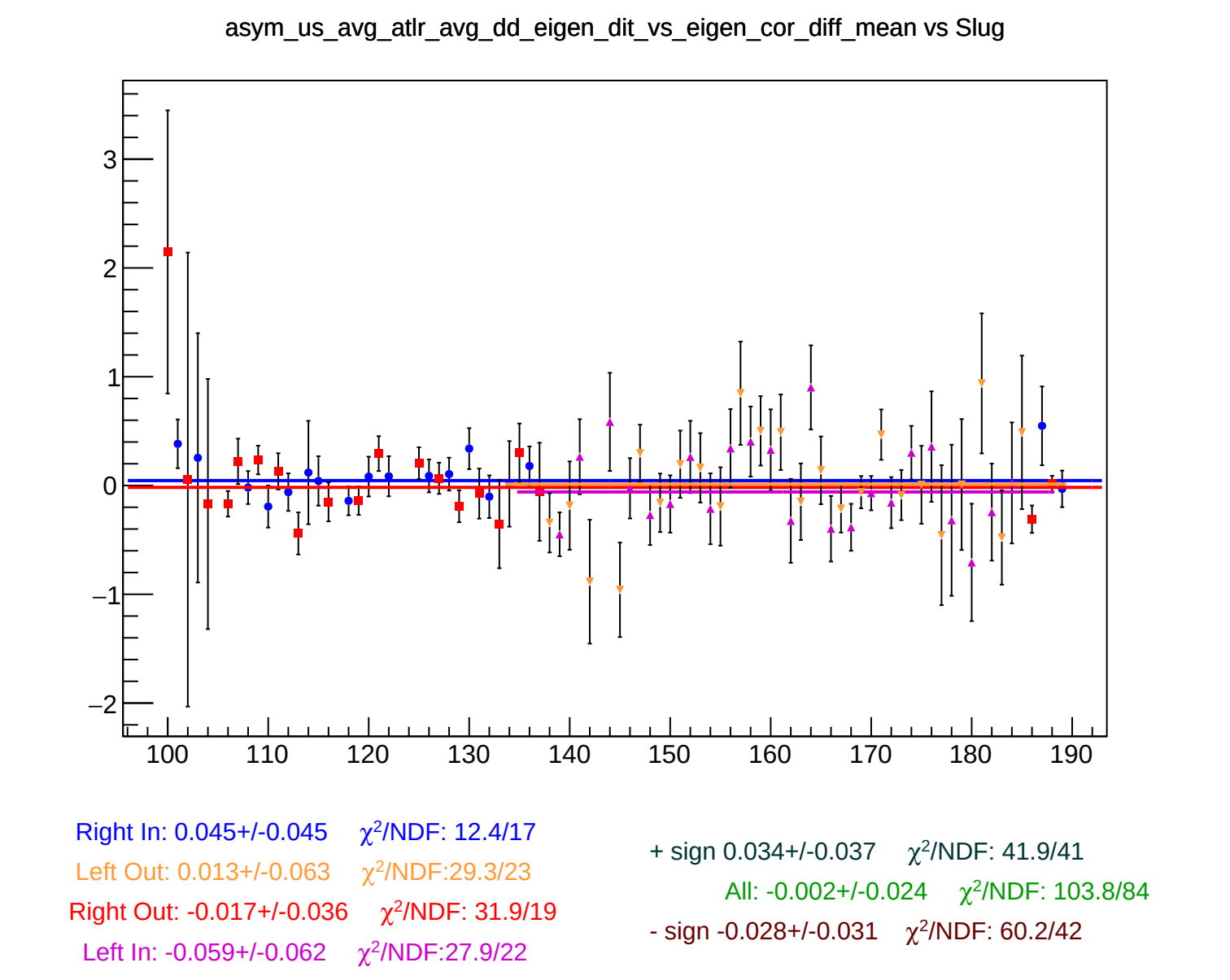
Right Out: 90.408+/-0.025 χ^2/NDF: 3012829.1/19

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

+ sign 162.251+/-0.026 χ^2/NDF: 11920549.8/41

All: 143.094+/-0.017 χ^2/NDF: 29152698.2/84

- sign 129.483+/-0.022 χ^2/NDF: 16304676.5/42


asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
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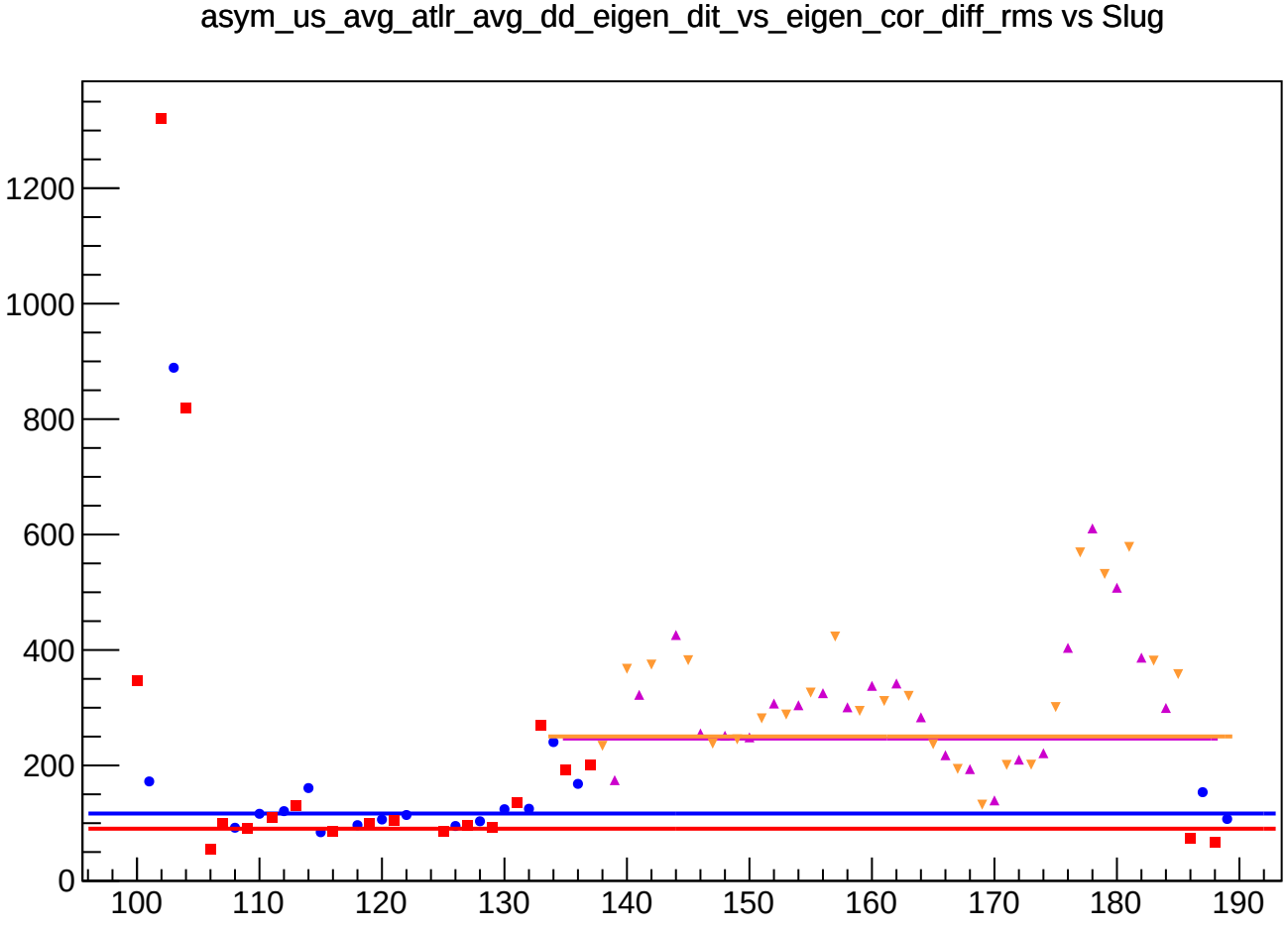
Right In: 0.045+/-0.045 χ²/NDF: 12.4/17
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: -0.017+/-0.036 χ²/NDF: 31.9/19
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.034+/-0.037 χ²/NDF: 41.9/41
All: -0.002+/-0.024 χ²/NDF: 103.8/84
- sign -0.028+/-0.031 χ²/NDF: 60.2/42



Right In: 116.720+/-0.032 χ^2/NDF: 1647969.8/17

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

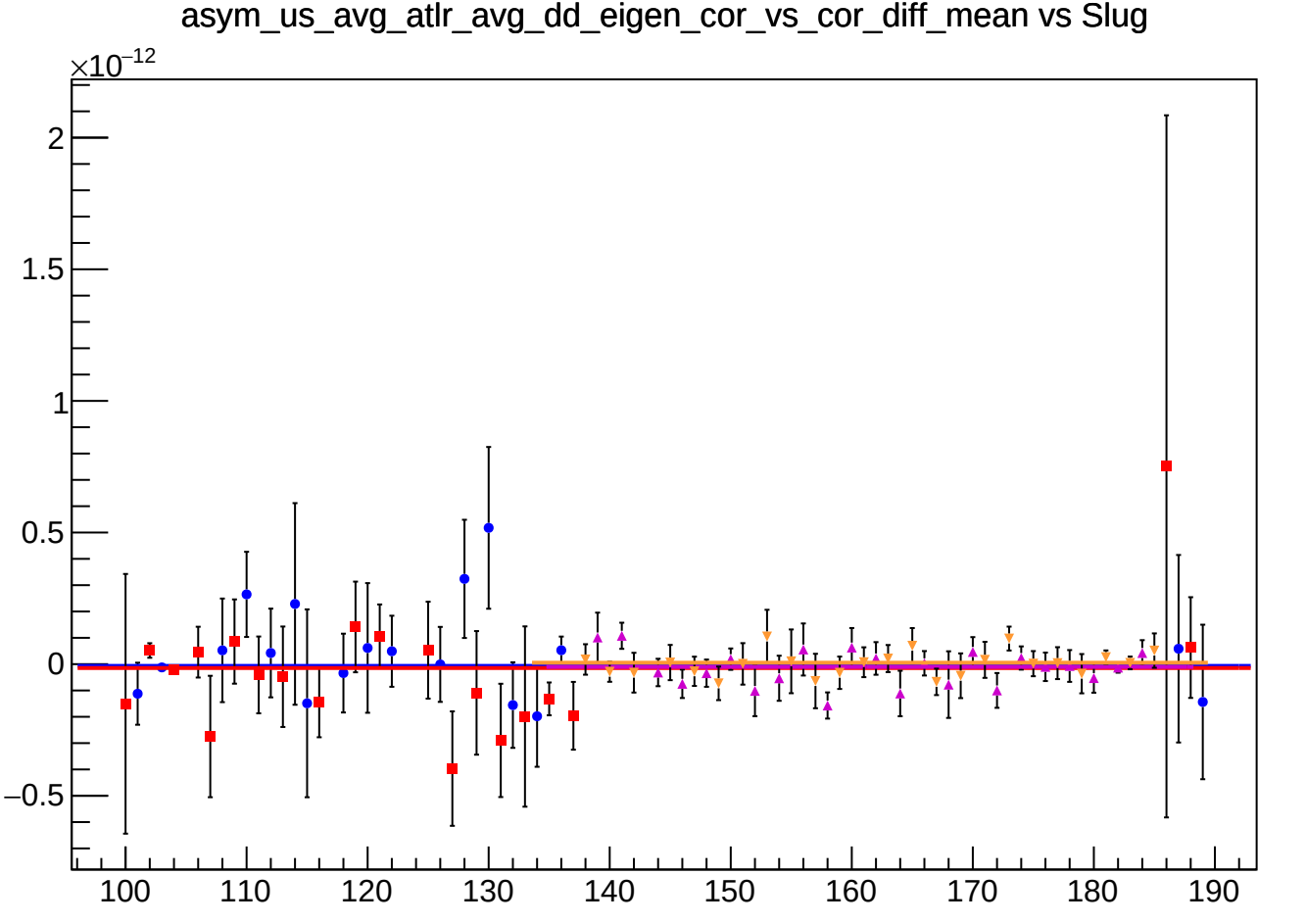
Right Out: 90.408+/-0.025 χ^2/NDF: 3012829.1/19

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

+ sign 162.251+/-0.026 χ^2/NDF: 11920549.8/41

All: 143.094+/-0.017 χ^2/NDF: 29152698.2/84

- sign 129.483+/-0.022 χ^2/NDF: 16304676.5/42


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
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0
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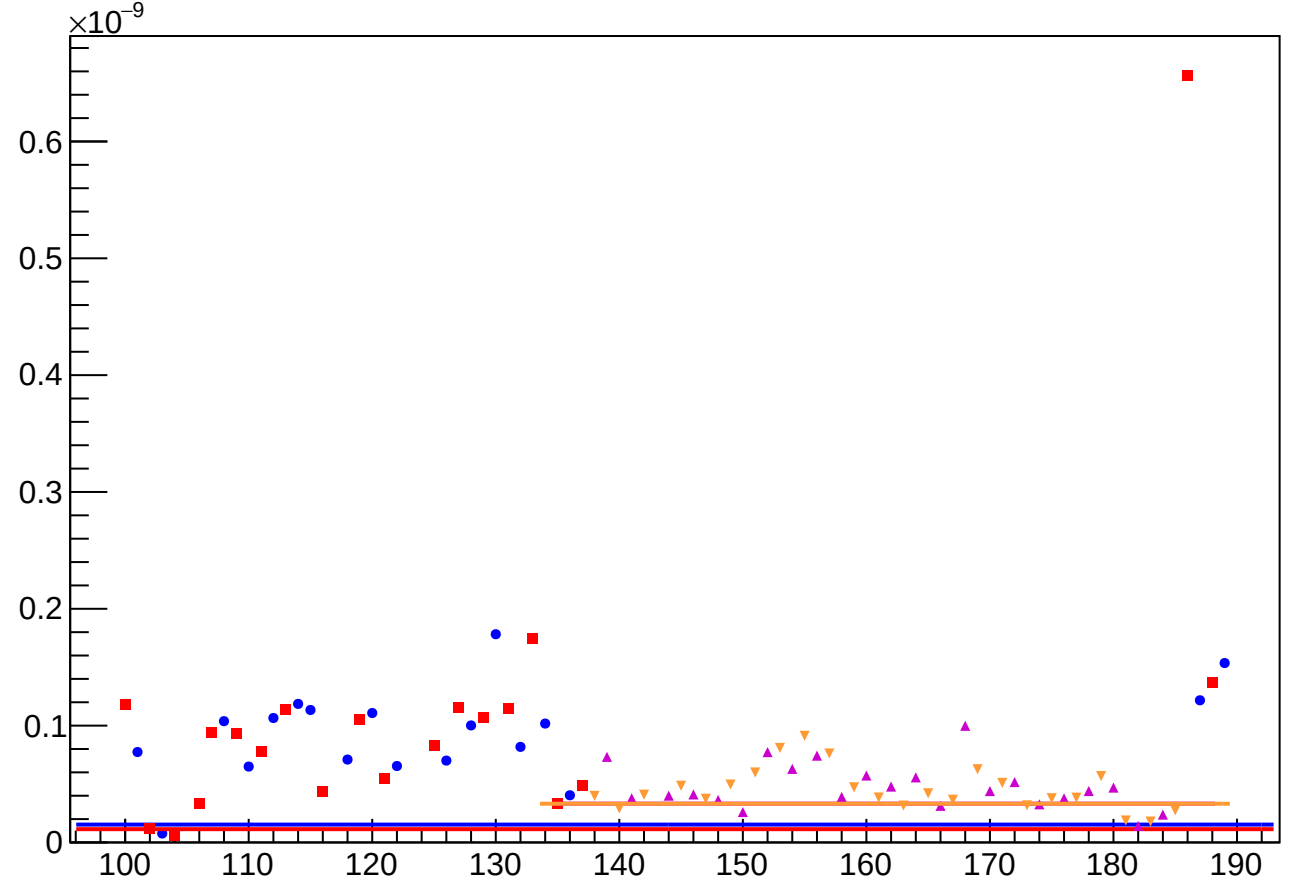
Right In: -0.000+/-0.000 χ²/NDF: 13.3/17
Left Out: 0.000+/-0.000 χ²/NDF:13.8/23
Right Out: -0.000+/-0.000 χ²/NDF: 22.4/19
Left In: -0.000+/-0.000 χ²/NDF:27.9/22
+ sign 0.000+/-0.000 χ²/NDF: 27.7/41
All: -0.000+/-0.000 χ²/NDF: 79.5/84
- sign -0.000+/-0.000 χ²/NDF: 50.4/42



Right In: 0.000+/-0.000 χ^2/NDF: 6517381.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:4025318.1/23

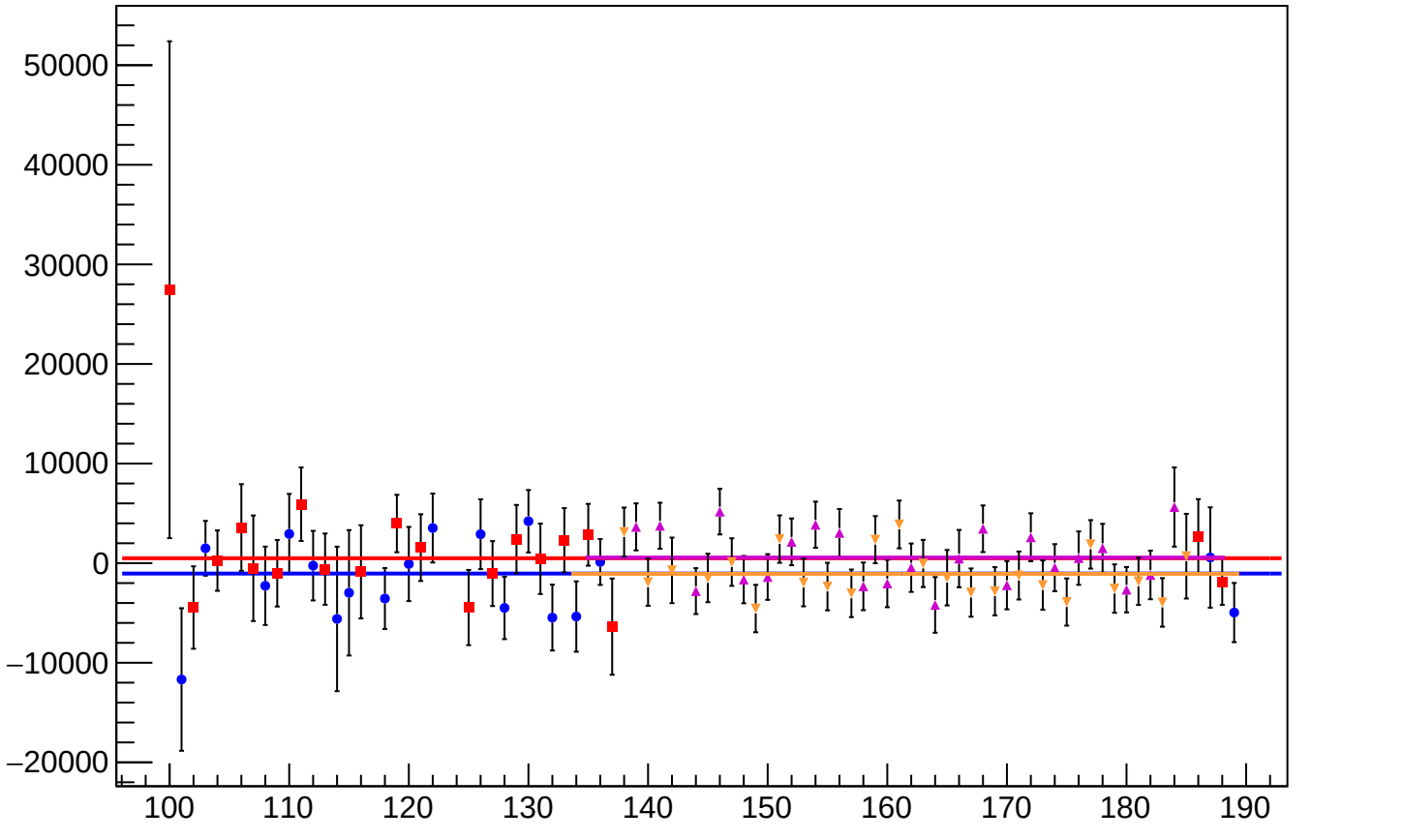
Right Out: 0.000+/-0.000 χ^2/NDF: 7200210.1/19

Left In: 0.000+/-0.000 χ^2/NDF:5018453.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 12957413.4/41

All: 0.000+/-0.000 χ^2/NDF: 30079296.9/84

- sign 0.000+/-0.000 χ^2/NDF: 16830394.7/42



Right In: -1043.624+/-825.975 χ^2/NDF: 17.8/17

Left Out: -1072.863+/-505.534 χ^2/NDF:21.6/23

Right Out: 494.380+/-795.359 χ^2/NDF: 13.8/19

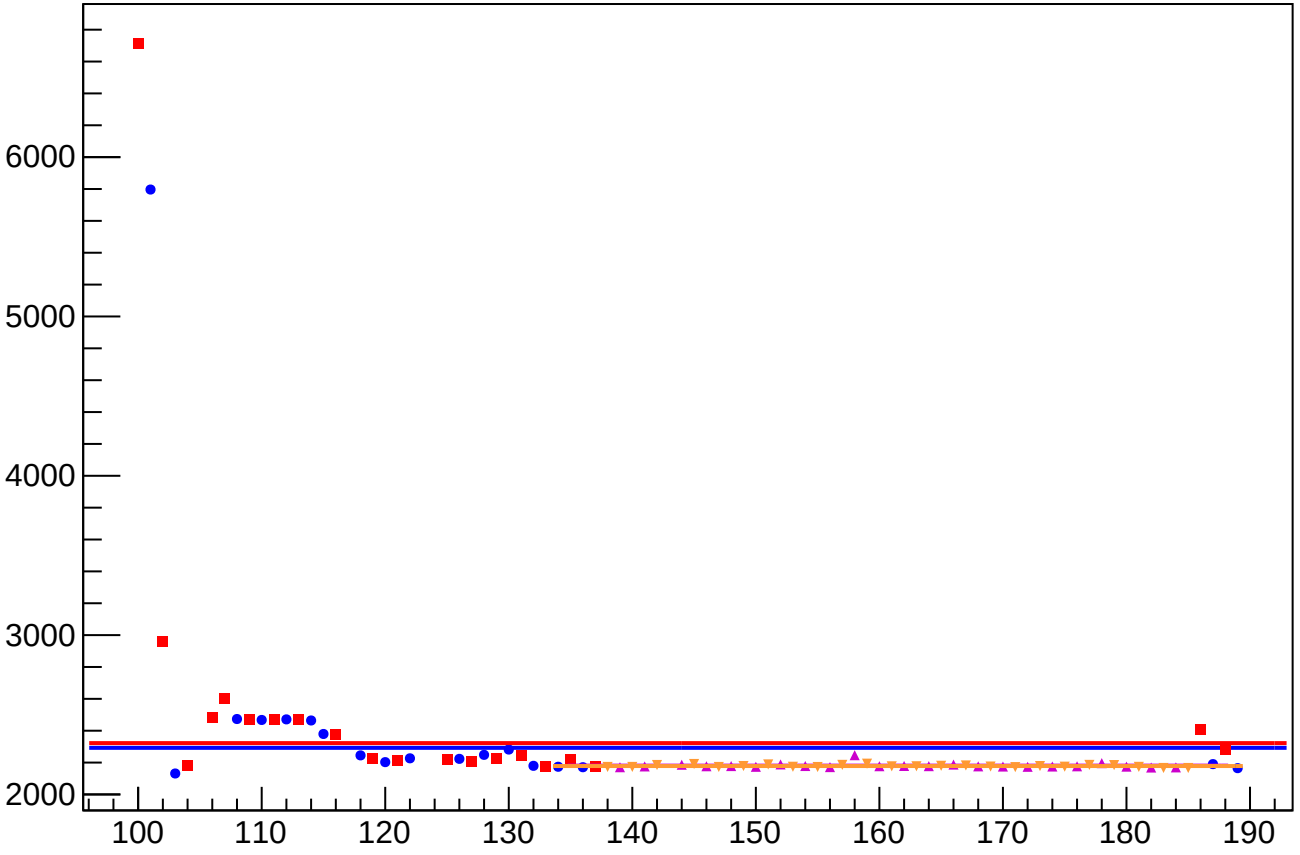
Left In: 557.052+/-509.208 χ^2/NDF:28.7/22

+ sign -1064.895+/-431.184 χ^2/NDF: 39.4/41

All: -258.675+/-304.064 χ^2/NDF: 88.8/84

- sign 538.832+/-428.848 χ^2/NDF: 42.5/42

reg_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2292.576+/-0.584 χ^2/NDF: 519180.1/17

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

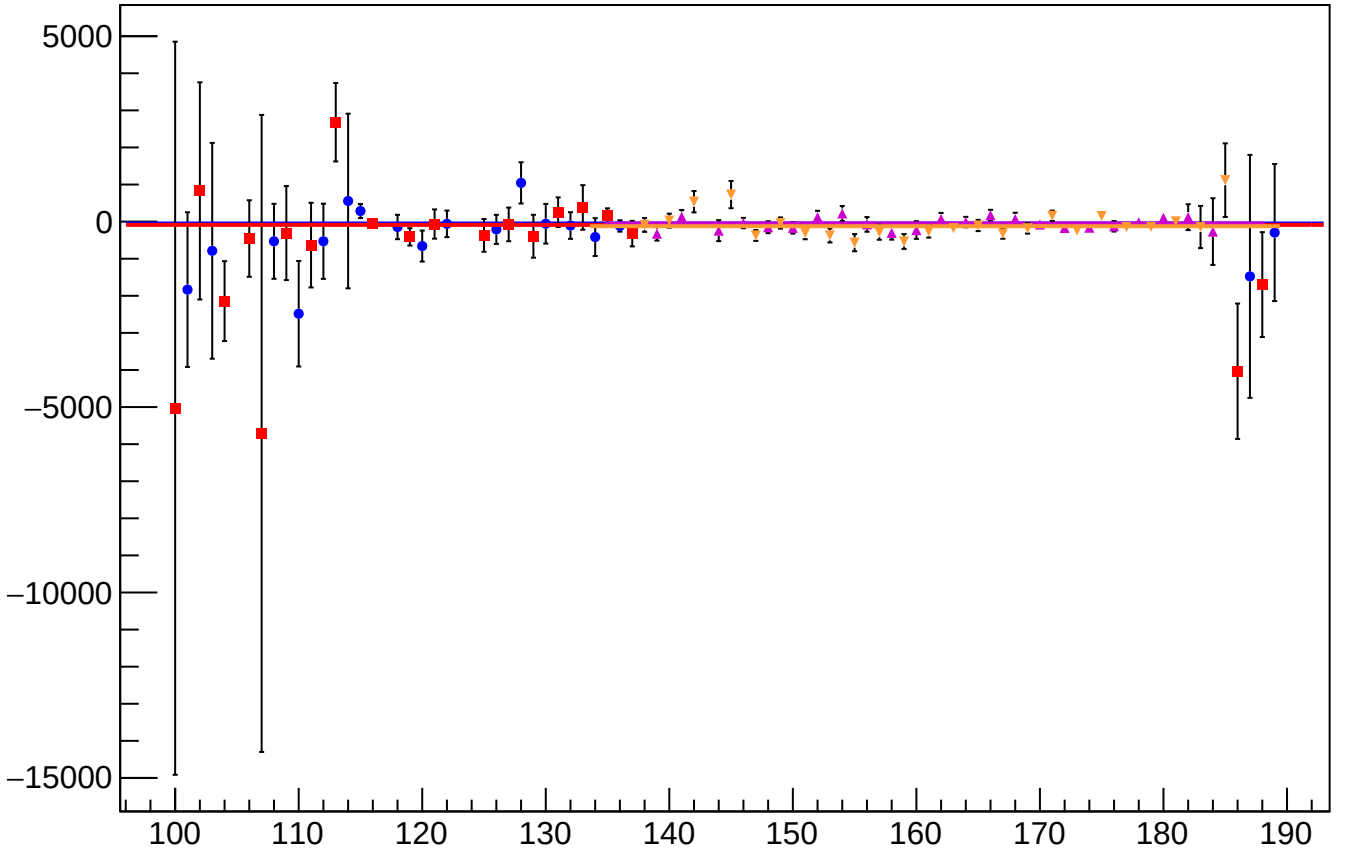
Right Out: 2322.153+/-0.562 χ^2/NDF: 153327.0/19

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2209.401+/-0.305 χ^2/NDF: 547446.5/41

All: 2215.724+/-0.215 χ^2/NDF: 748225.5/84

- sign 2221.979+/-0.303 χ^2/NDF: 199923.5/42



Right In: -49.618+/-90.769 χ^2/NDF: 14.6/17

Left Out: -123.007+/-31.408 χ^2/NDF:43.8/23

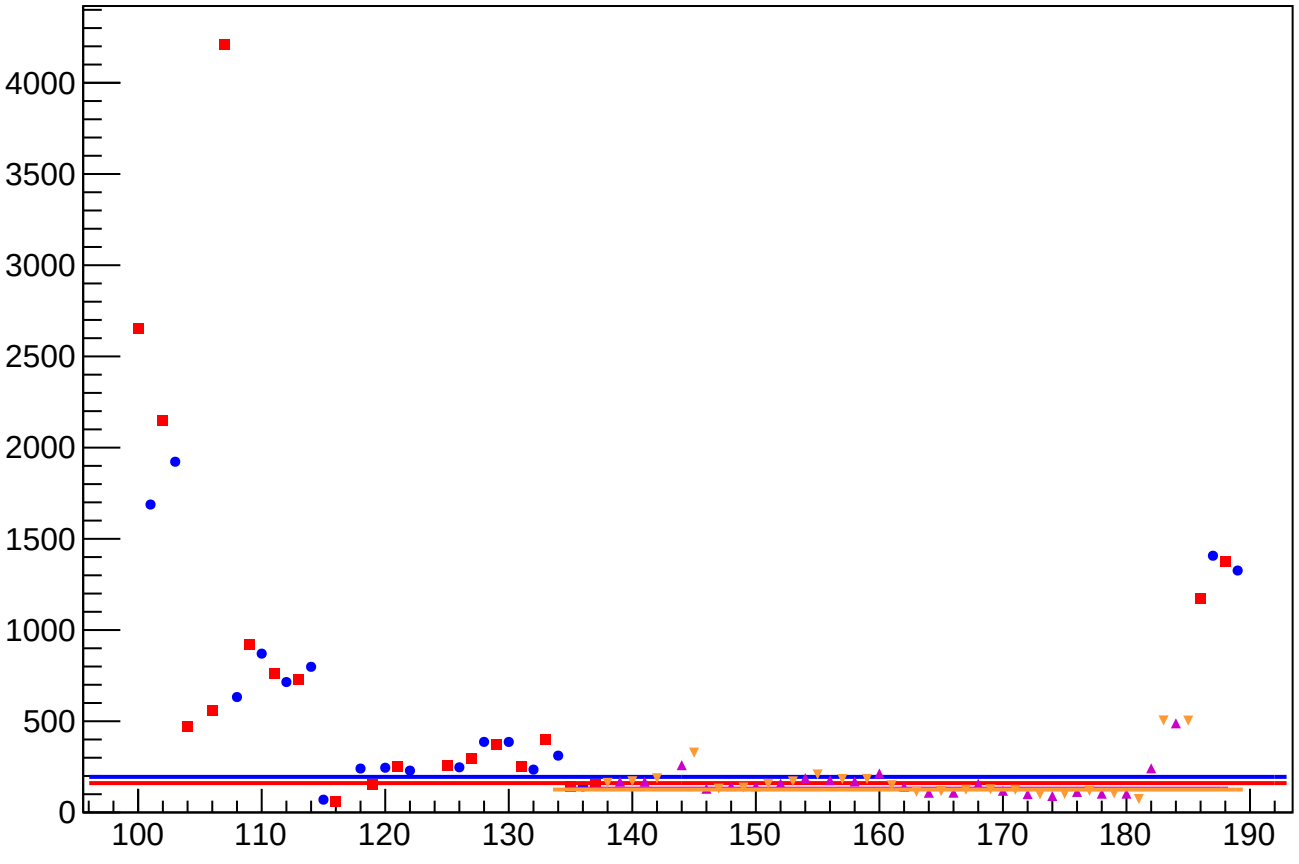
Right Out: -87.703+/-82.161 χ^2/NDF: 23.6/19

Left In: -50.317+/-32.545 χ^2/NDF:18.2/22

+ sign -115.160+/-29.681 χ^2/NDF: 59.0/41

All: -85.848+/-21.189 χ^2/NDF: 103.0/84

- sign -55.387+/-30.258 χ^2/NDF: 42.0/42



Right In: 195.054+/-0.064 χ^2/NDF: 6091818.8/17

Left Out: 125.506+/-0.022 χ^2/NDF:3942746.1/23

Right Out: 160.860+/-0.058 χ^2/NDF: 8255840.3/19

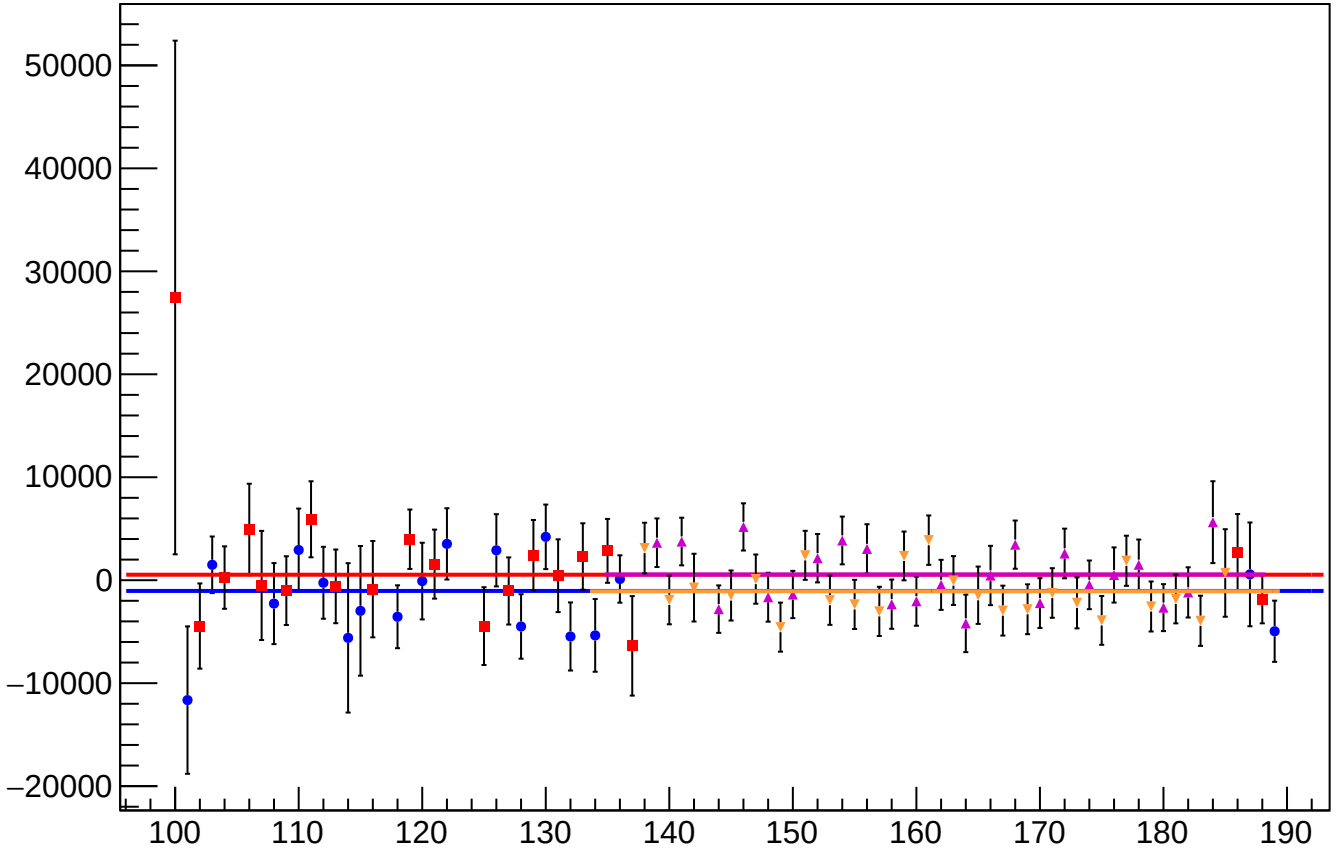
Left In: 130.436+/-0.023 χ^2/NDF:2679692.6/22

+ sign 132.943+/-0.021 χ^2/NDF: 11083144.5/41

All: 133.737+/-0.015 χ^2/NDF: 22258644.9/84

- sign 134.562+/-0.021 χ^2/NDF: 11172579.9/42

cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -1042.743+/-825.975 χ^2/NDF: 17.8/17

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: 533.477+/-795.911 χ^2/NDF: 14.3/19

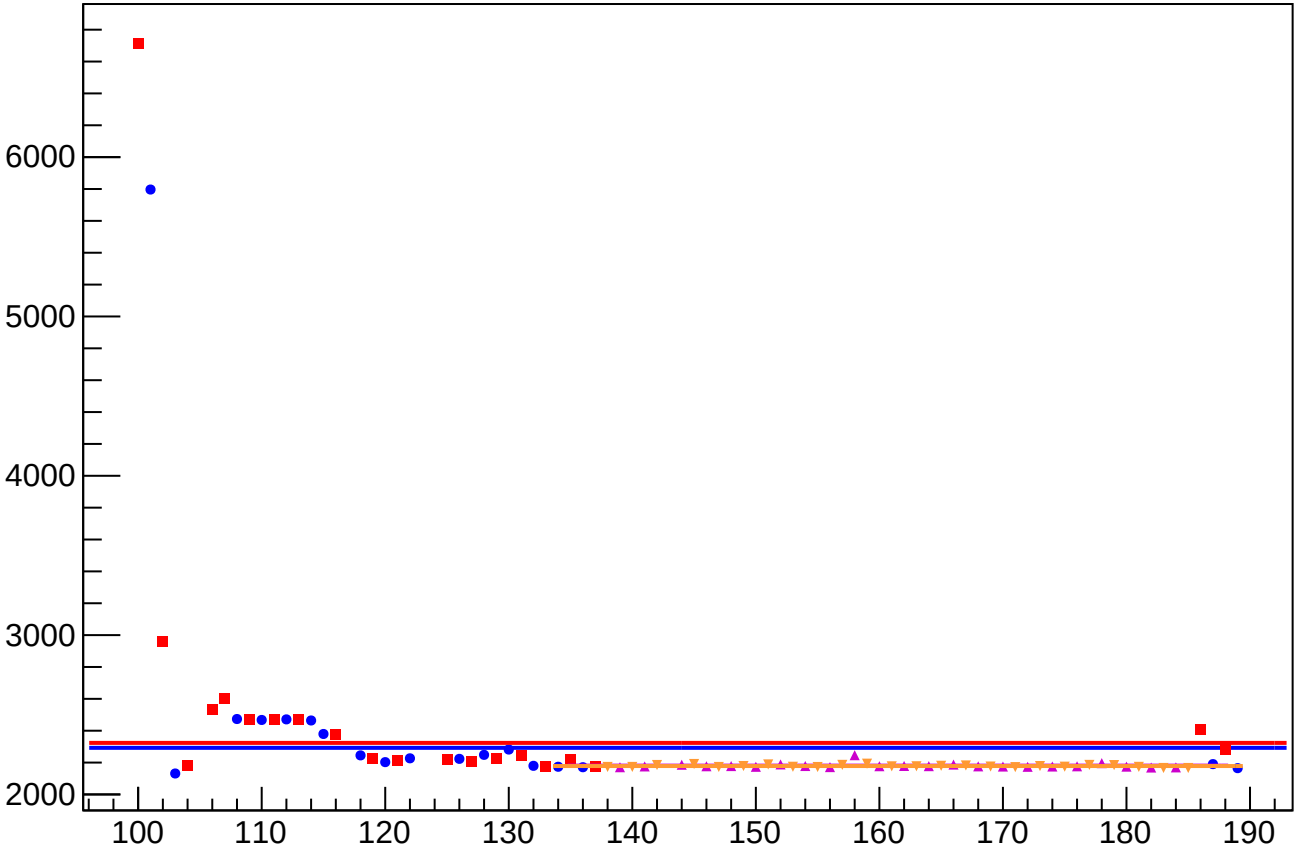
Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -1064.605+/-431.184 χ^2/NDF: 39.4/41

All: -252.967+/-304.095 χ^2/NDF: 89.4/84

- sign 550.224+/-428.934 χ^2/NDF: 43.0/42

cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2292.576+/-0.584 χ^2/NDF: 519180.4/17

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

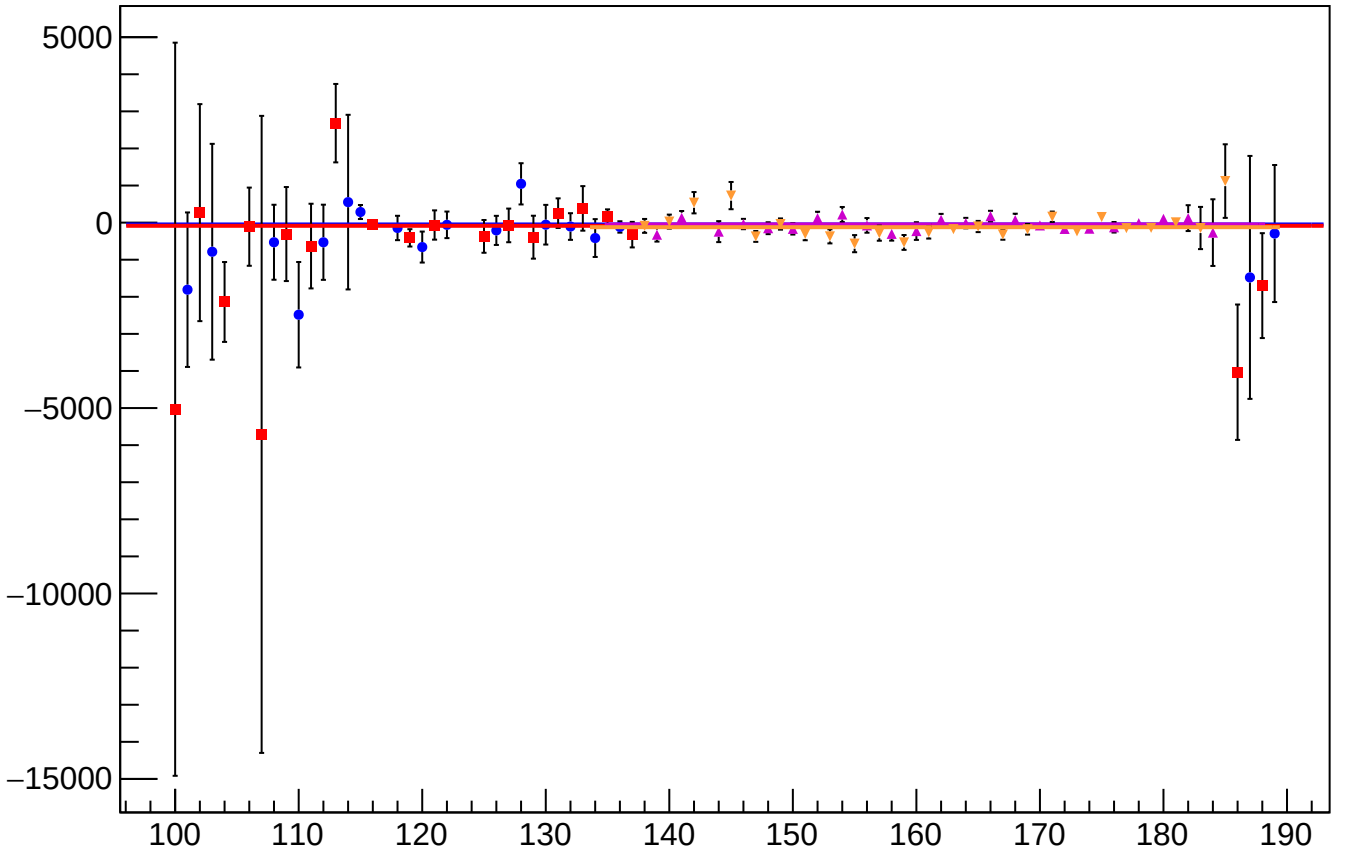
Right Out: 2323.555+/-0.563 χ^2/NDF: 155127.2/19

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2209.401+/-0.305 χ^2/NDF: 547446.8/41

All: 2215.908+/-0.215 χ^2/NDF: 750924.1/84

- sign 2222.346+/-0.303 χ^2/NDF: 202571.4/42



Right In: -49.652+/-90.775 χ^2/NDF: 14.6/17

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

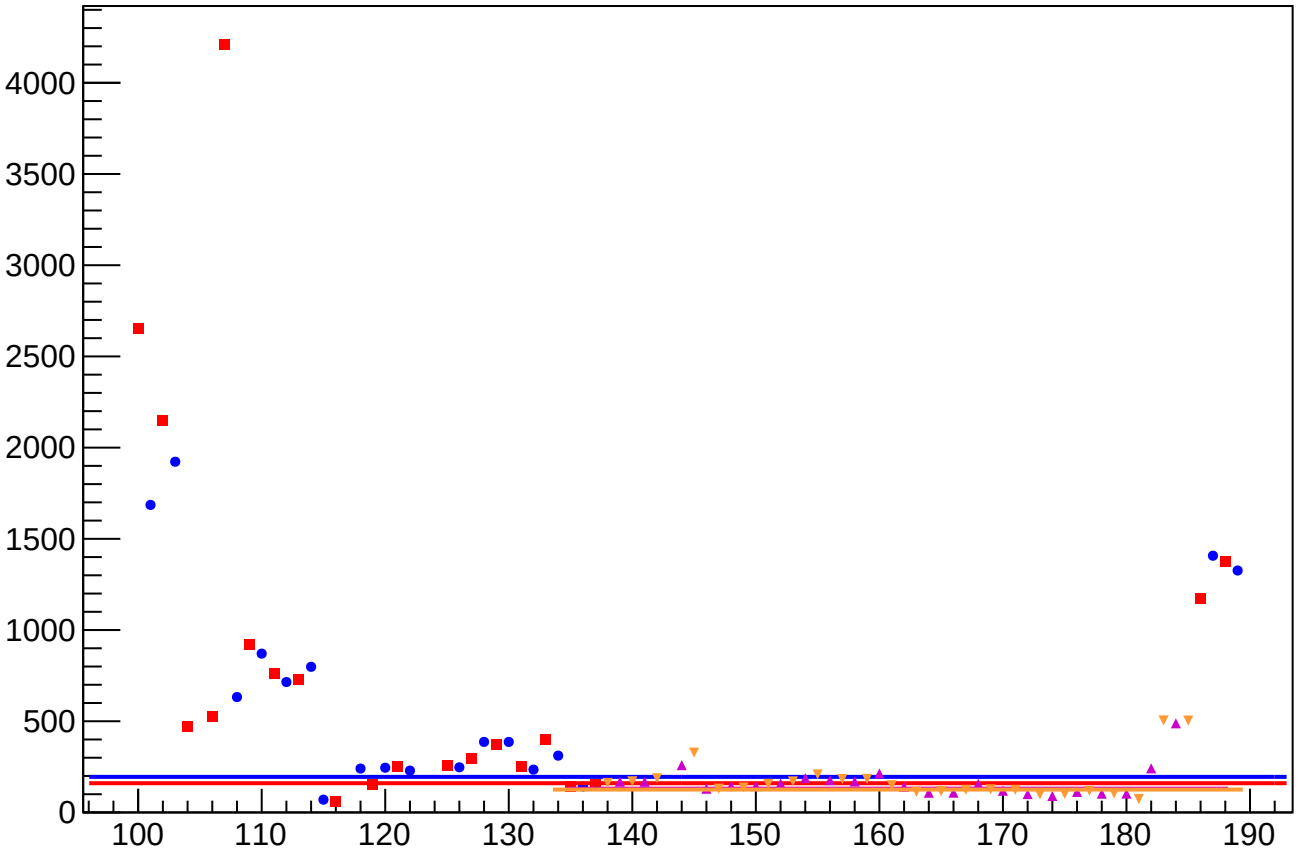
Right Out: -85.694+/-82.100 χ^2/NDF: 23.4/19

Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

+ sign -115.094+/-29.682 χ^2/NDF: 58.9/41

All: -85.638+/-21.189 χ^2/NDF: 102.8/84

- sign -55.029+/-30.257 χ^2/NDF: 41.8/42



Right In: 195.079+/-0.064 χ^2/NDF: 6090644.3/17

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

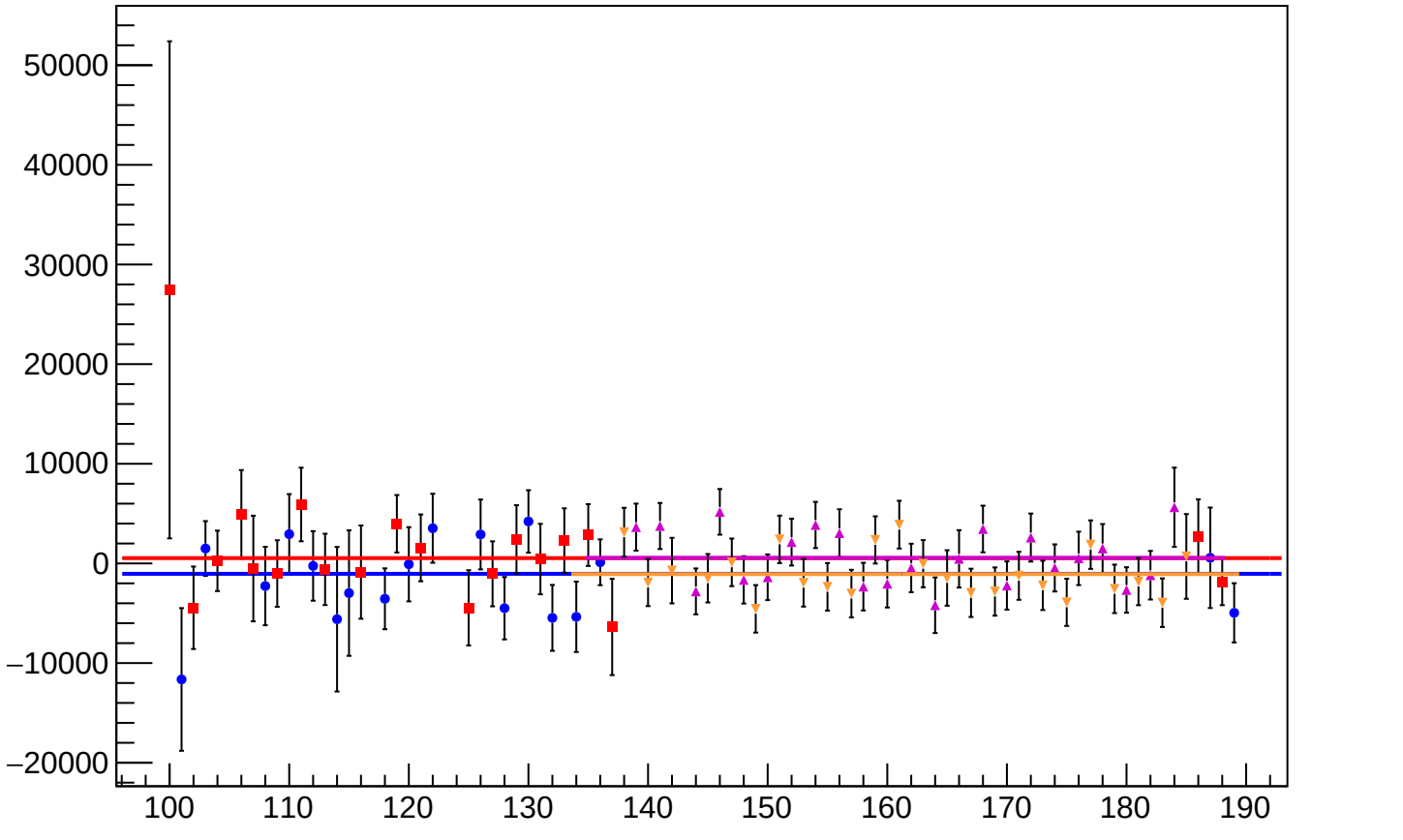
Right Out: 160.298+/-0.058 χ^2/NDF: 8212251.1/19

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

+ sign 132.941+/-0.021 χ^2/NDF: 11083537.8/41

All: 133.708+/-0.015 χ^2/NDF: 22206314.3/84

- sign 134.505+/-0.021 χ^2/NDF: 11120054.4/42



Right In: -1042.743+/-825.975 χ^2/NDF: 17.8/17

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: 533.477+/-795.911 χ^2/NDF: 14.3/19

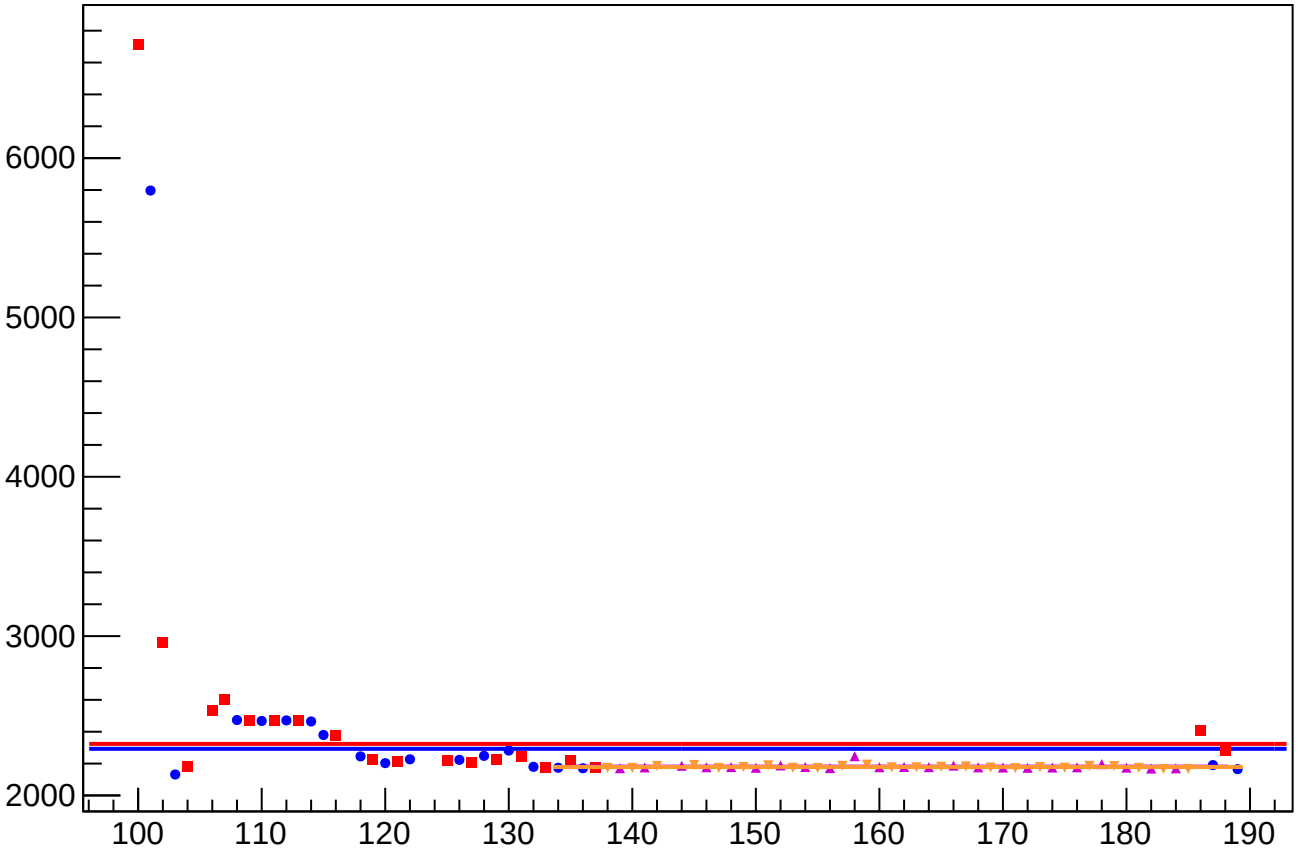
Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -1064.605+/-431.184 χ^2/NDF: 39.4/41

All: -252.967+/-304.095 χ^2/NDF: 89.4/84

- sign 550.224+/-428.934 χ^2/NDF: 43.0/42

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2292.576+/-0.584 χ^2/NDF: 519180.4/17

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

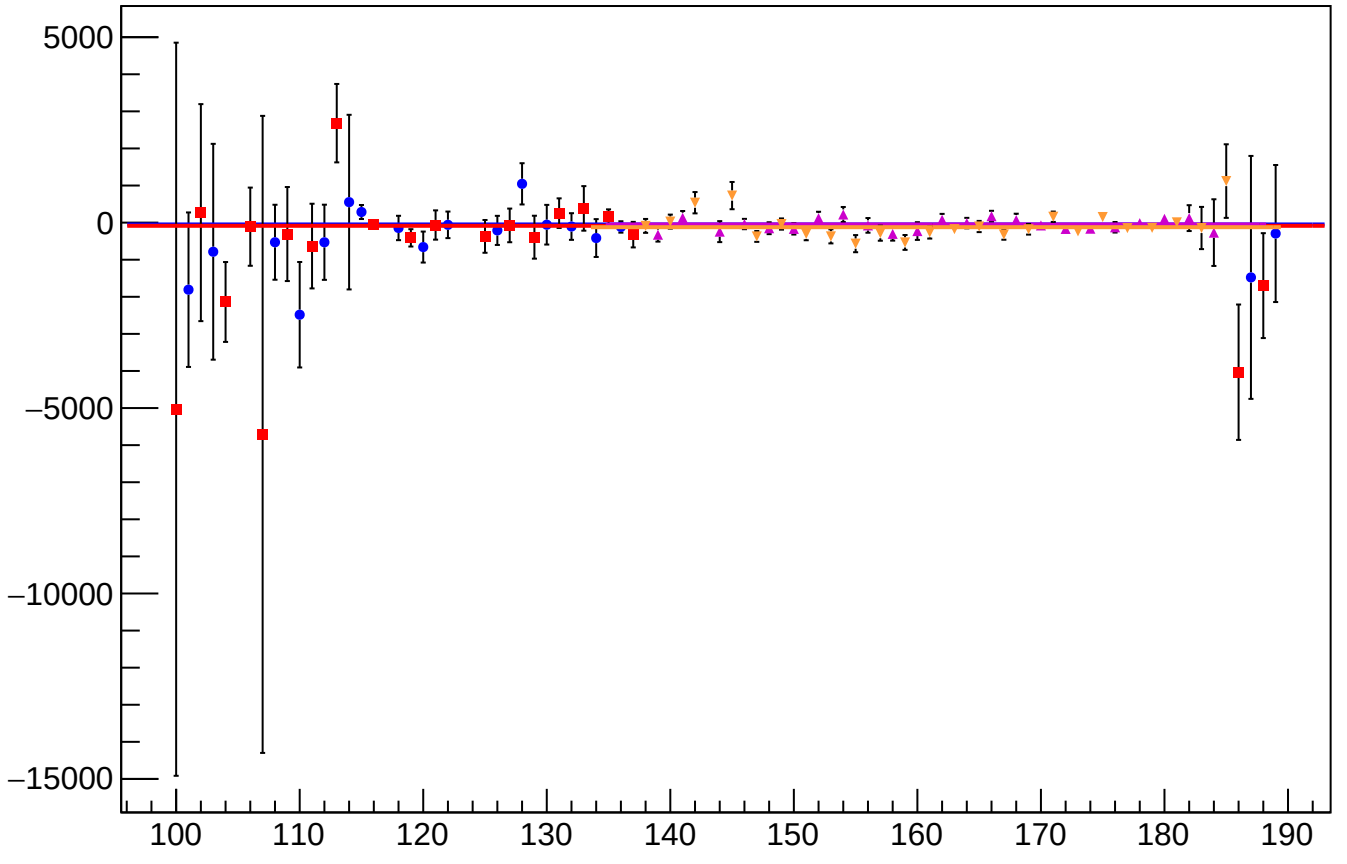
Right Out: 2323.555+/-0.563 χ^2/NDF: 155127.2/19

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2209.401+/-0.305 χ^2/NDF: 547446.8/41

All: 2215.908+/-0.215 χ^2/NDF: 750924.1/84

- sign 2222.346+/-0.303 χ^2/NDF: 202571.4/42



Right In: -49.652+/-90.775 χ^2/NDF: 14.6/17

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

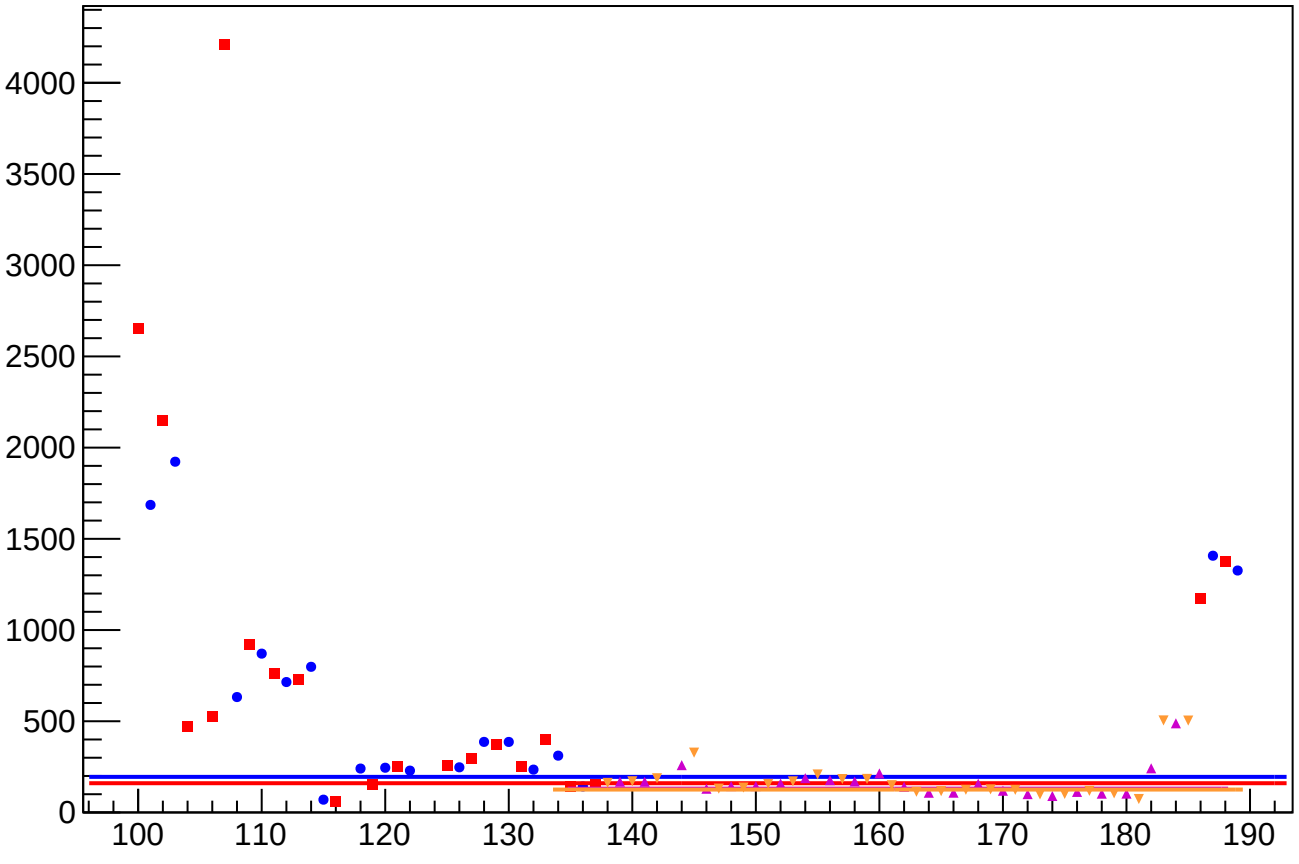
Right Out: -85.694+/-82.100 χ^2/NDF: 23.4/19

Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

+ sign -115.094+/-29.682 χ^2/NDF: 58.9/41

All: -85.638+/-21.189 χ^2/NDF: 102.8/84

- sign -55.029+/-30.257 χ^2/NDF: 41.8/42



Right In: 195.079+/-0.064 χ^2/NDF: 6090644.3/17

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 160.298+/-0.058 χ^2/NDF: 8212251.1/19

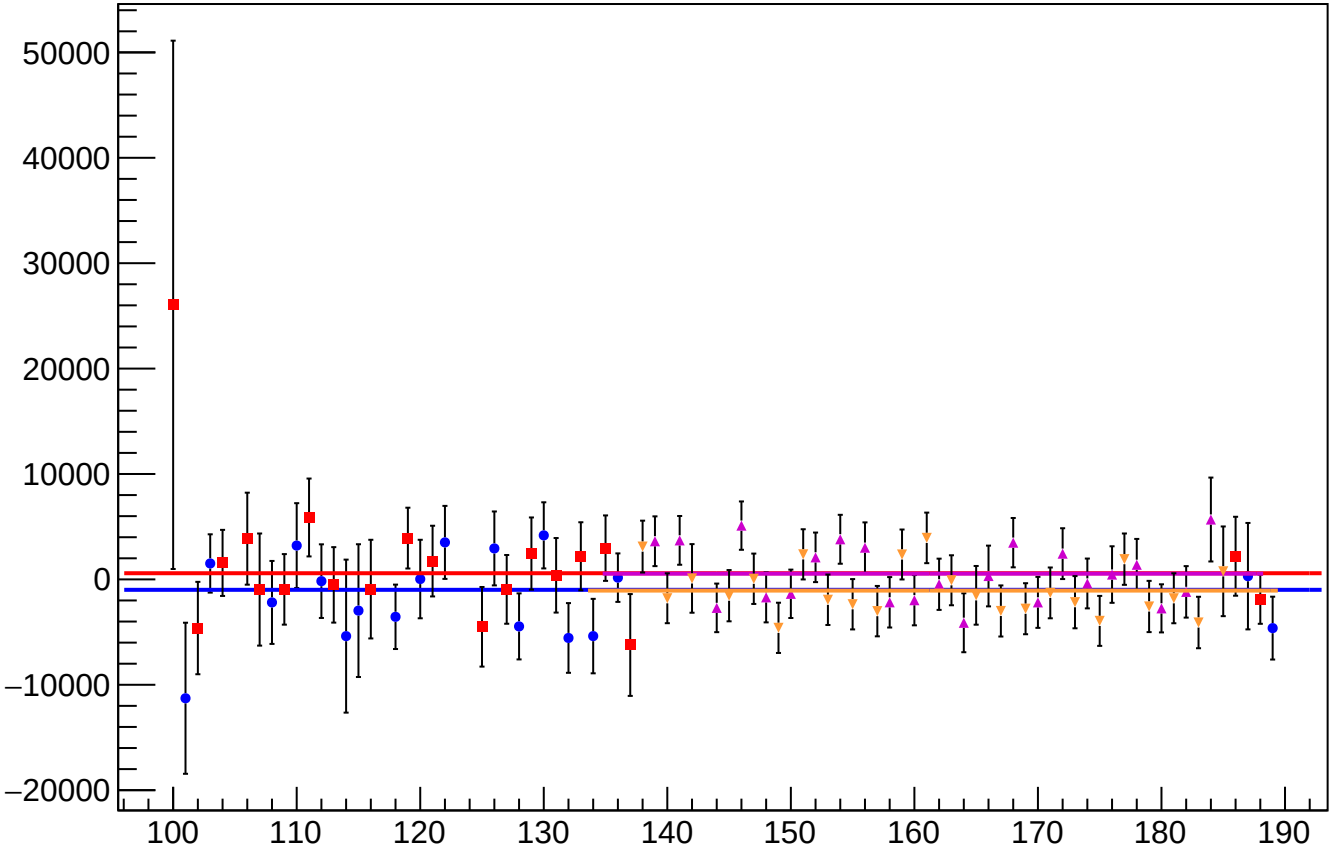
Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

+ sign 132.941+/-0.021 χ^2/NDF: 11083537.8/41

All: 133.708+/-0.015 χ^2/NDF: 22206314.3/84

- sign 134.505+/-0.021 χ^2/NDF: 11120054.4/42

dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -990.120+/-826.990 χ^2/NDF: 17.5/17

Left Out: -1062.372+/-505.627 χ^2/NDF:21.9/23

Right Out: 584.611+/-799.311 χ^2/NDF: 13.6/19

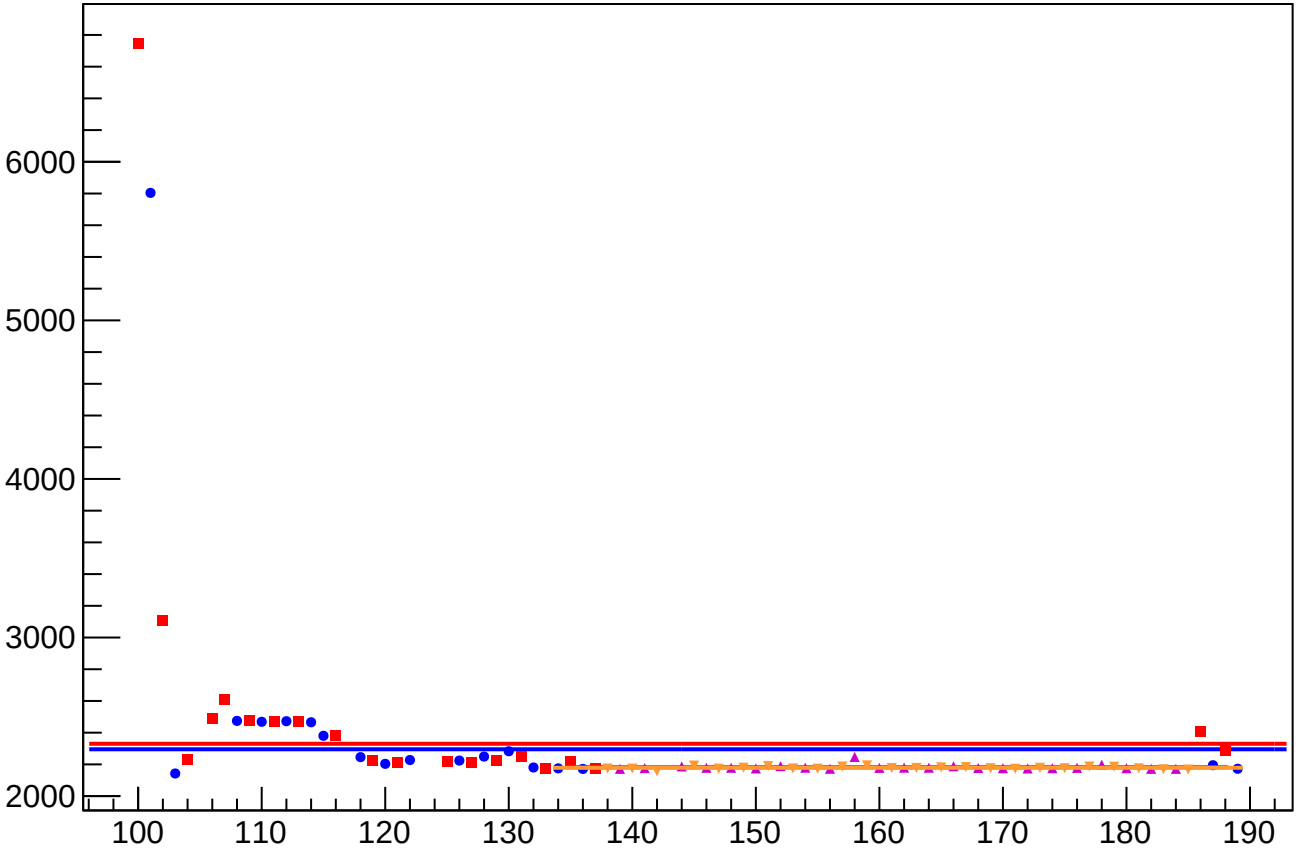
Left In: 544.260+/-509.433 χ^2/NDF:27.9/22

+ sign -1042.712+/-431.385 χ^2/NDF: 39.4/41

All: -240.081+/-304.402 χ^2/NDF: 87.7/84

- sign 555.916+/-429.599 χ^2/NDF: 41.5/42

dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2295.195+/-0.585 χ^2/NDF: 518406.2/17

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

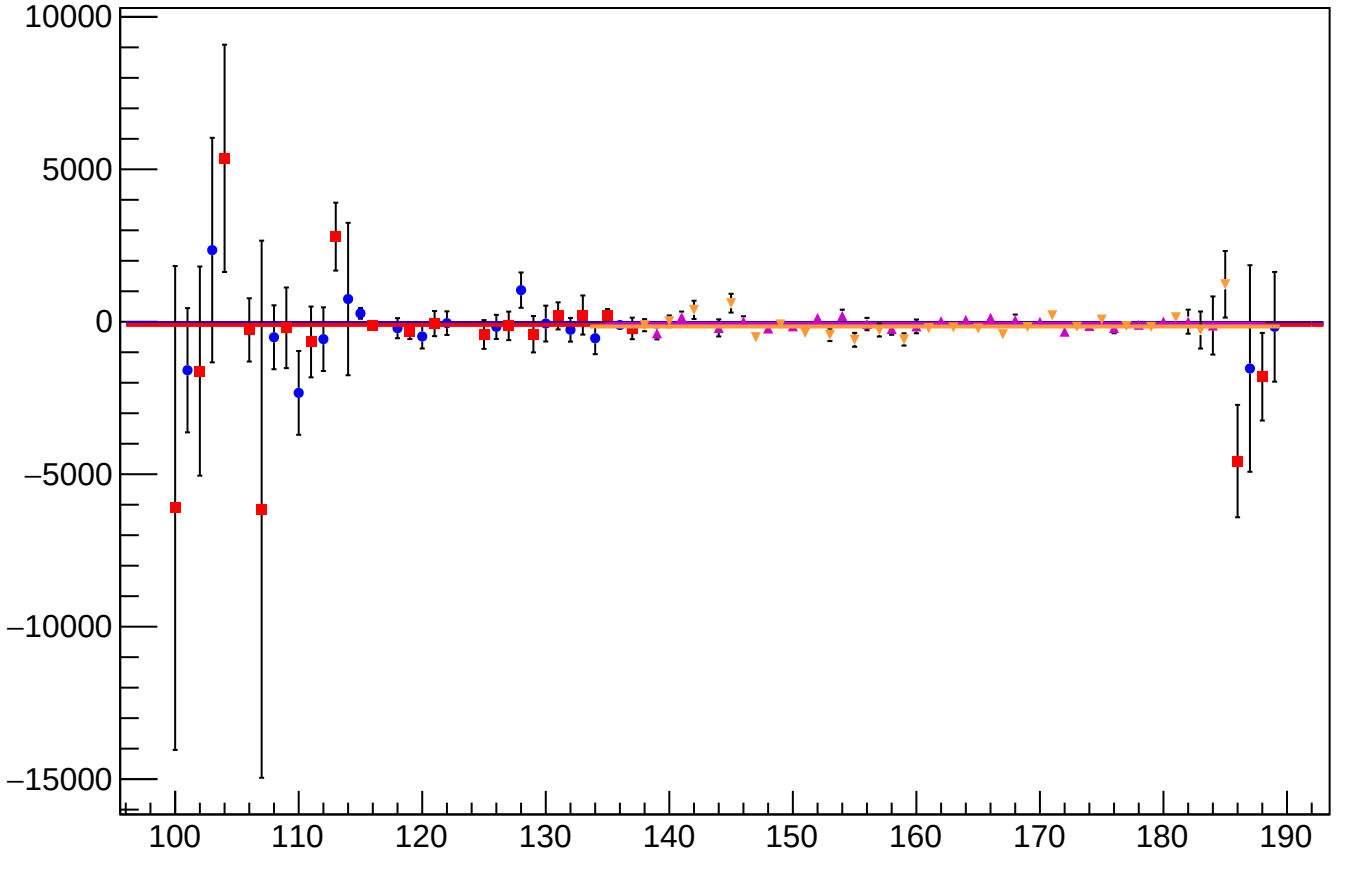
Right Out: 2330.029+/-0.565 χ^2/NDF: 168922.7/19

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2210.255+/-0.305 χ^2/NDF: 547847.5/41

All: 2217.496+/-0.215 χ^2/NDF: 768589.0/84

- sign 2224.677+/-0.304 χ^2/NDF: 219619.2/42



Right In: -41.554+/-92.253 χ^2/NDF: 14.3/17

Left Out: -154.725+/-34.061 χ^2/NDF:47.3/23

Right Out: -102.222+/-85.841 χ^2/NDF: 22.3/19

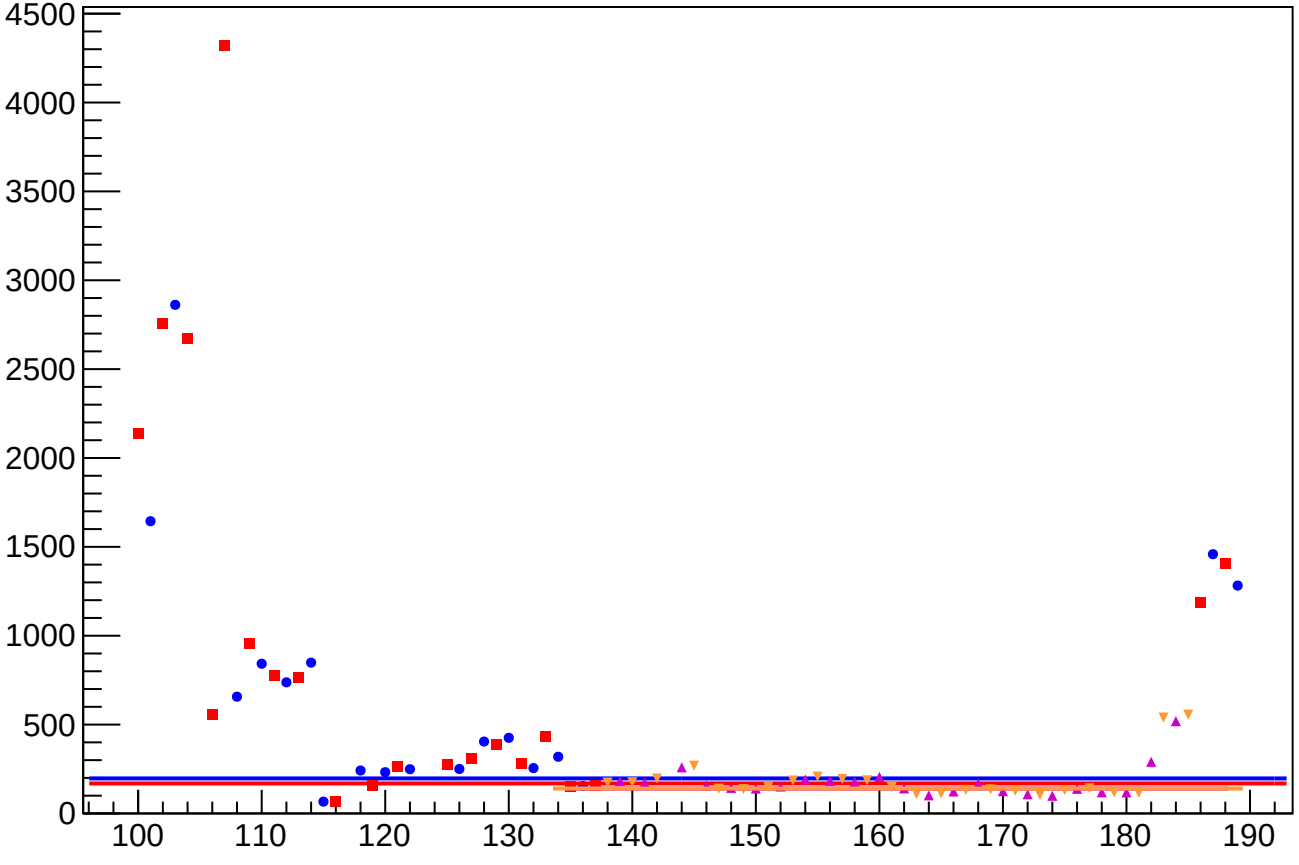
Left In: -70.142+/-34.204 χ^2/NDF:18.9/22

+ sign -141.149+/-31.952 χ^2/NDF: 62.9/41

All: -107.657+/-22.531 χ^2/NDF: 106.4/84

- sign -74.537+/-31.775 χ^2/NDF: 41.3/42

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug



Right In: 197.054+/-0.065 χ^2/NDF: 6625548.9/17

Left Out: 140.319+/-0.024 χ^2/NDF:2760284.0/23

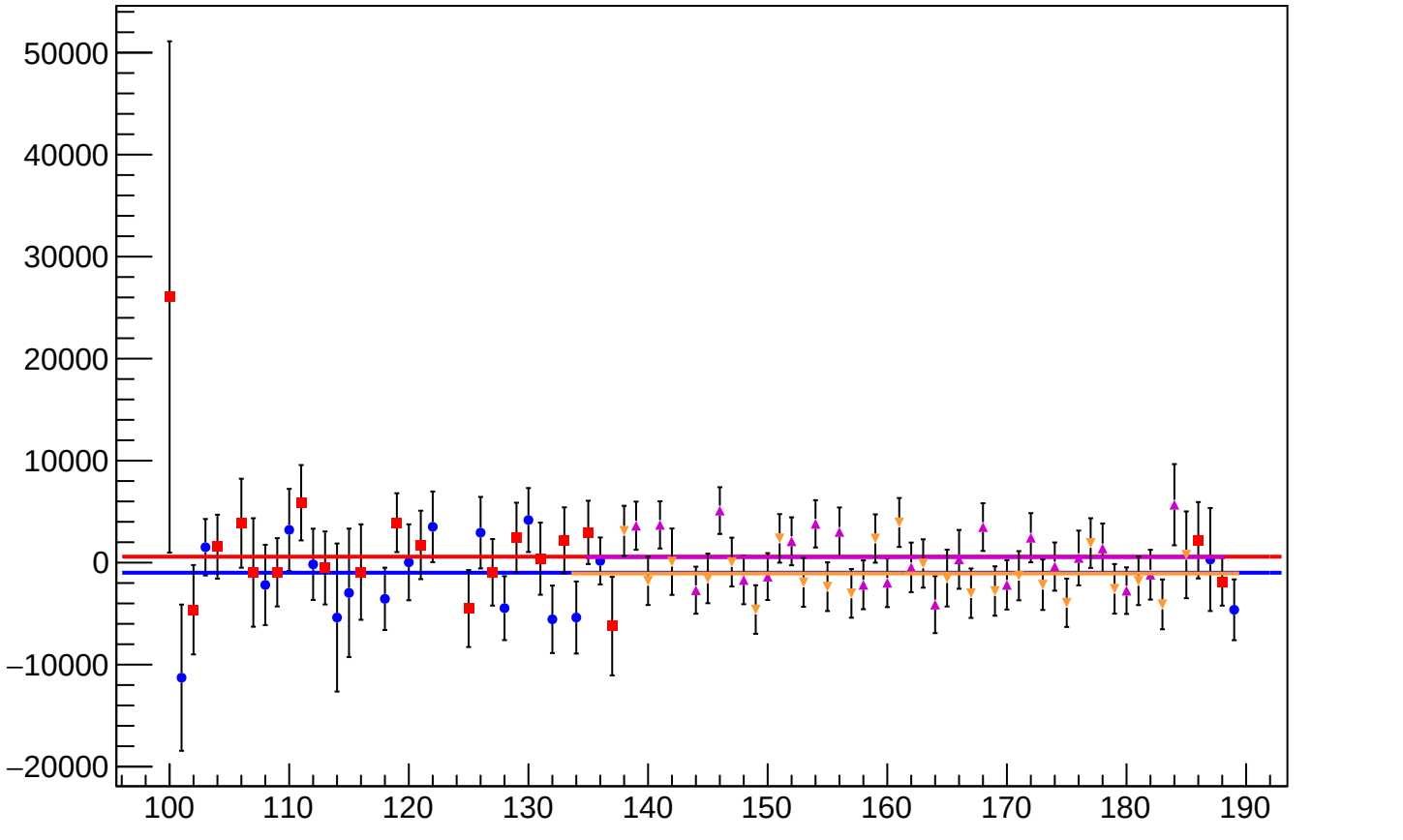
Right Out: 168.764+/-0.061 χ^2/NDF: 9168421.1/19

Left In: 139.979+/-0.024 χ^2/NDF:2412455.4/22

+ sign 147.125+/-0.023 χ^2/NDF: 10051540.6/41

All: 145.515+/-0.016 χ^2/NDF: 21836606.1/84

- sign 143.923+/-0.022 χ^2/NDF: 11774966.8/42



Right In: -990.121+/-826.989 χ^2/NDF: 17.5/17

Left Out: -1062.373+/-505.627 χ^2/NDF:21.9/23

Right Out: 584.610+/-799.311 χ^2/NDF: 13.6/19

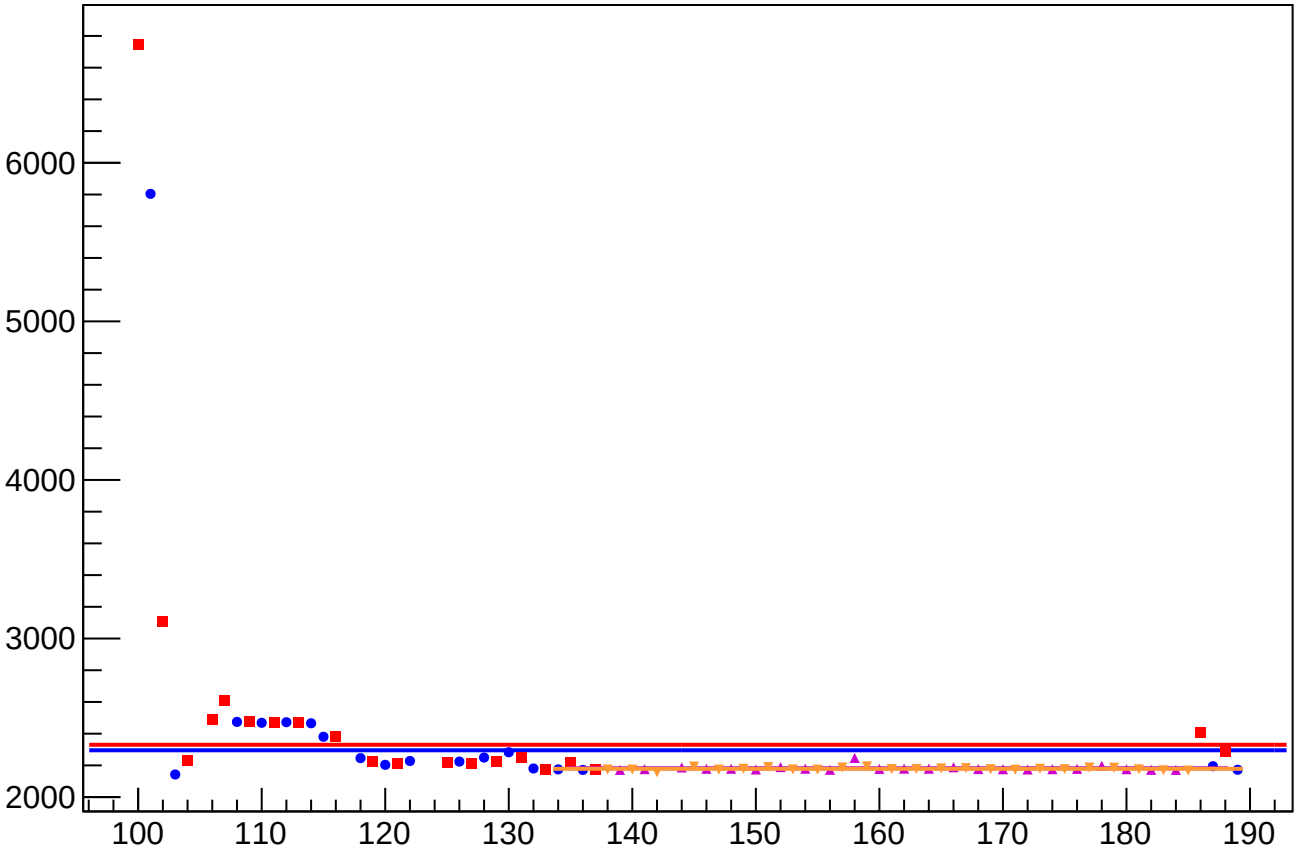
Left In: 544.259+/-509.433 χ^2/NDF:27.9/22

+ sign -1042.713+/-431.385 χ^2/NDF: 39.4/41

All: -240.082+/-304.402 χ^2/NDF: 87.7/84

- sign 555.915+/-429.599 χ^2/NDF: 41.5/42

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2295.194+/-0.585 χ^2/NDF: 518406.2/17

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

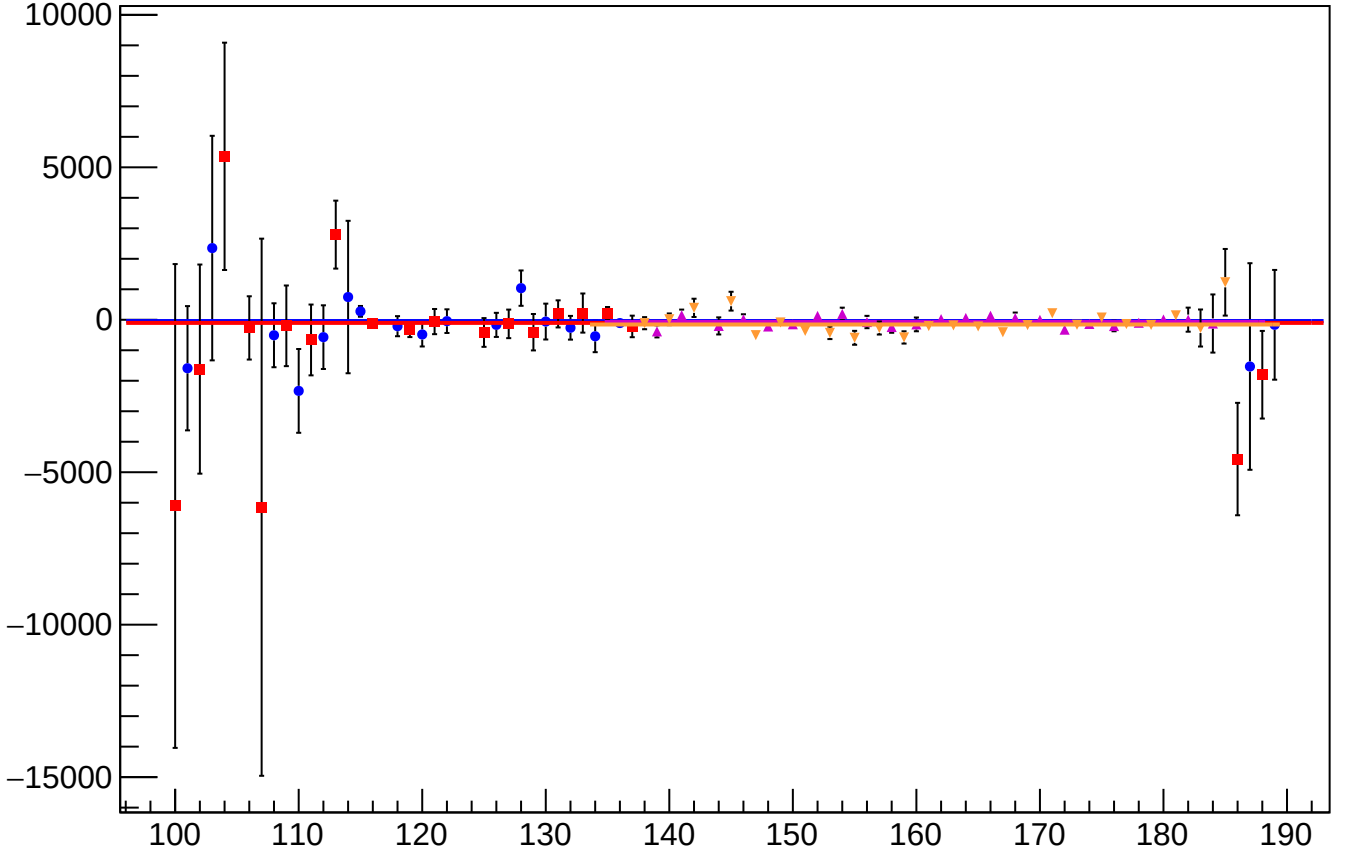
Right Out: 2330.029+/-0.565 χ^2/NDF: 168922.6/19

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2210.255+/-0.305 χ^2/NDF: 547847.6/41

All: 2217.496+/-0.215 χ^2/NDF: 768588.9/84

- sign 2224.677+/-0.304 χ^2/NDF: 219619.0/42



Right In: -41.551+/-92.252 χ^2/NDF: 14.3/17

Left Out: -154.726+/-34.061 χ^2/NDF:47.3/23

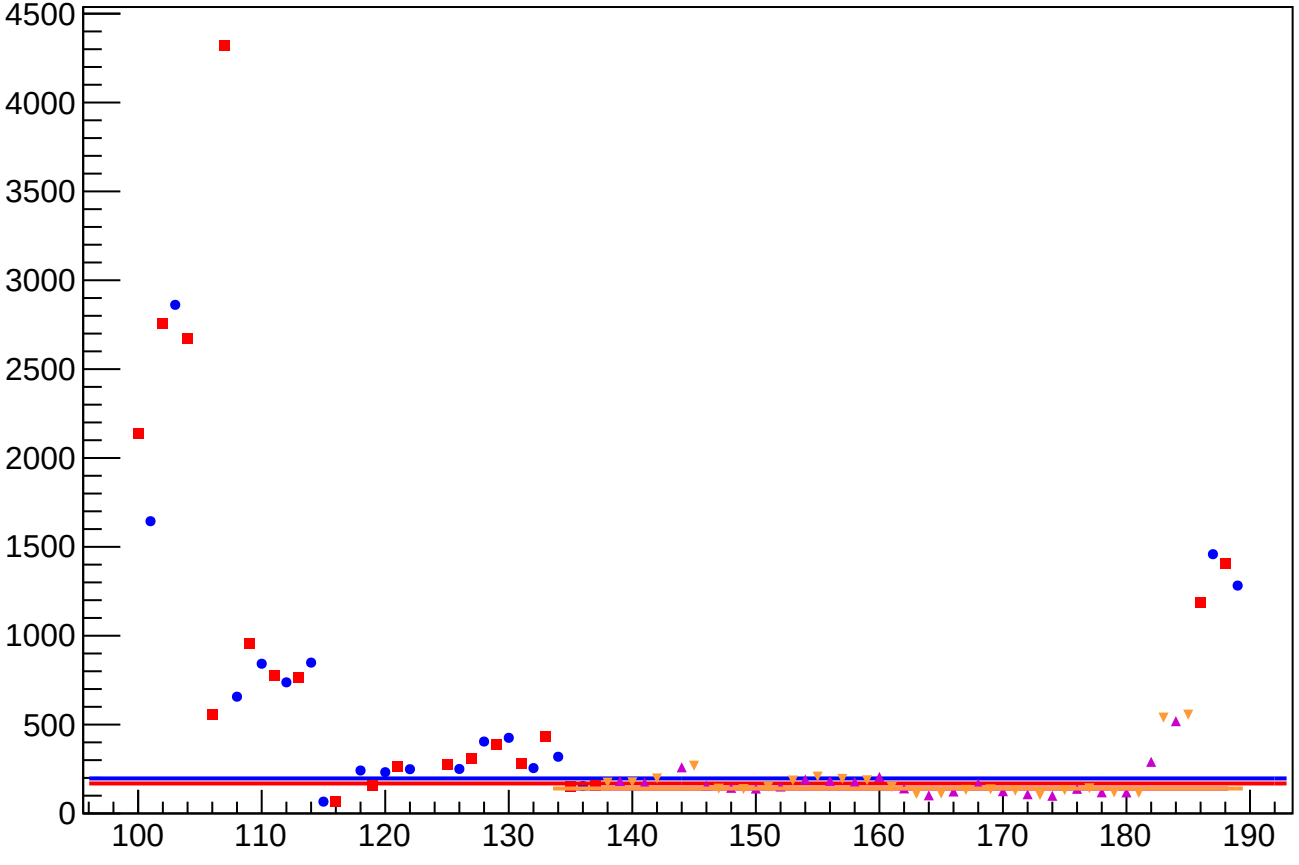
Right Out: -102.223+/-85.840 χ^2/NDF: 22.3/19

Left In: -70.141+/-34.204 χ^2/NDF:18.9/22

+ sign -141.149+/-31.952 χ^2/NDF: 62.9/41

All: -107.657+/-22.531 χ^2/NDF: 106.4/84

- sign -74.537+/-31.775 χ^2/NDF: 41.3/42



Right In: 197.052+/-0.065 χ^2/NDF: 6625590.0/17

Left Out: 140.319+/-0.024 χ^2/NDF:2760280.2/23

Right Out: 168.762+/-0.061 χ^2/NDF: 9168488.1/19

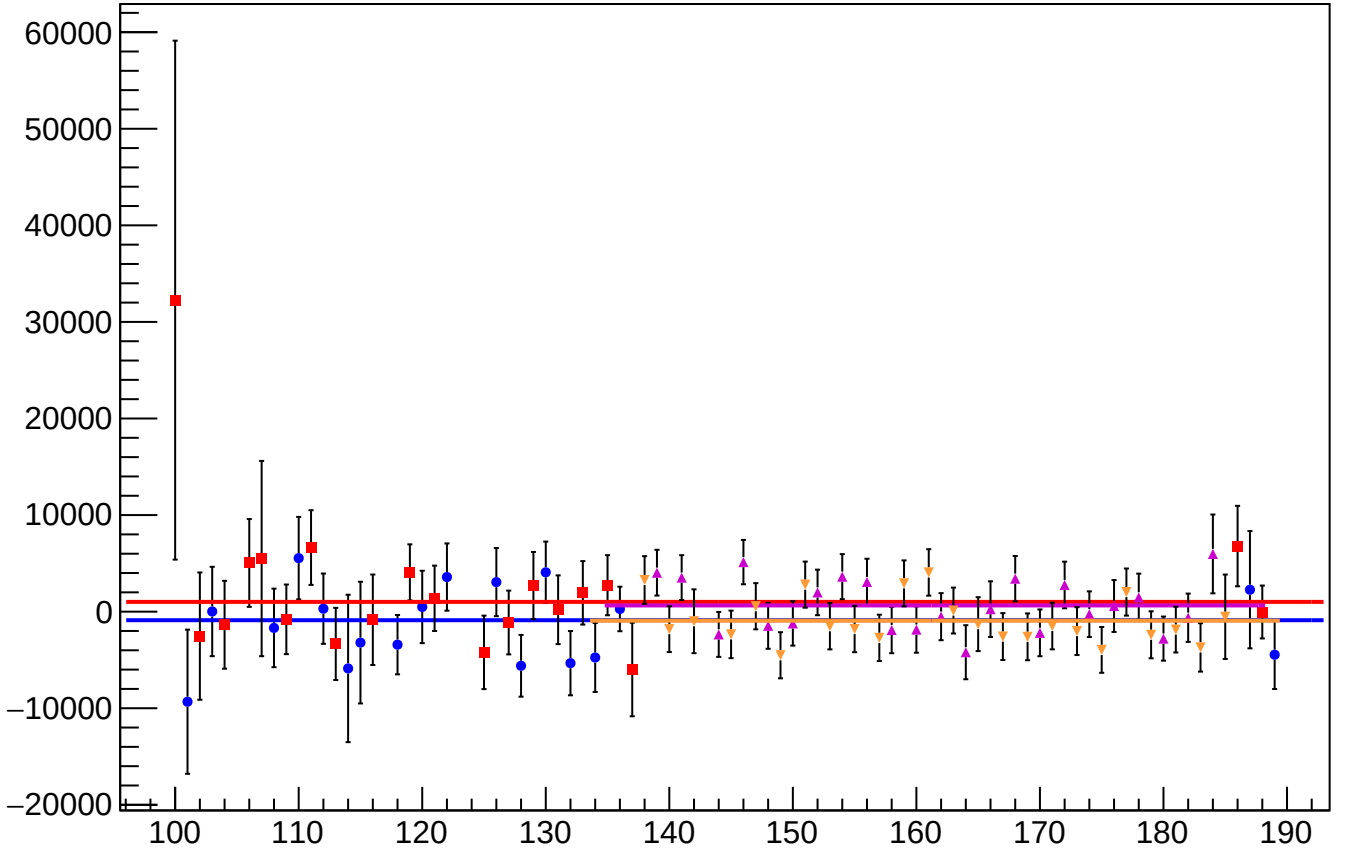
Left In: 139.979+/-0.024 χ^2/NDF:2412509.5/22

+ sign 147.125+/-0.023 χ^2/NDF: 10051525.0/41

All: 145.515+/-0.016 χ^2/NDF: 21836682.2/84

- sign 143.923+/-0.022 χ^2/NDF: 11775056.9/42

asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -886.066+/-877.813 χ^2/NDF: 17.1/17

Left Out: -932.002+/-507.717 χ^2/NDF:22.4/23

Right Out: 1011.558+/-860.521 χ^2/NDF: 15.0/19

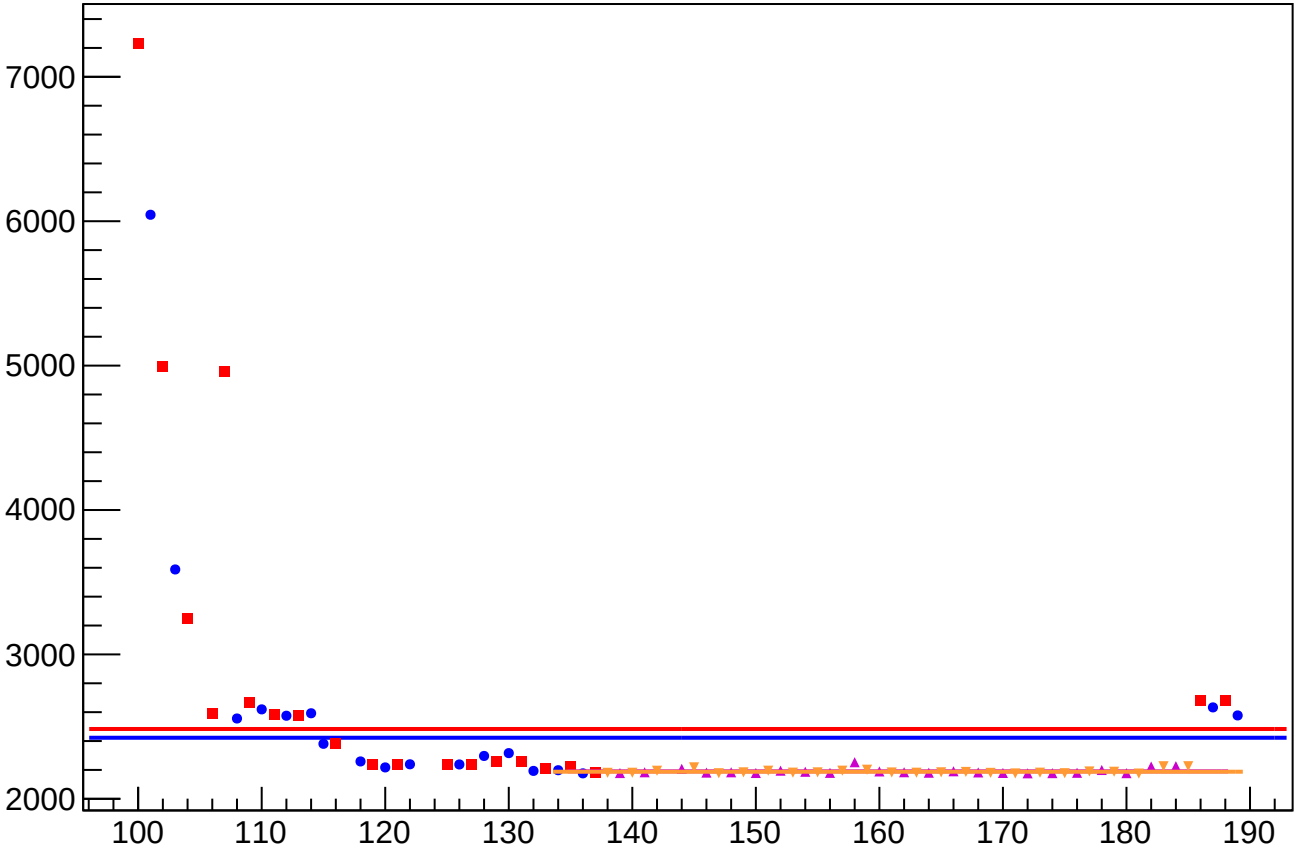
Left In: 642.773+/-511.372 χ^2/NDF:27.0/22

+ sign -920.487+/-439.498 χ^2/NDF: 39.5/41

All: -90.941+/-310.811 χ^2/NDF: 88.8/84

- sign 739.018+/-439.608 χ^2/NDF: 42.2/42

asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2422.880+/-0.621 χ^2/NDF: 683621.0/17

Left Out: 2187.620+/-0.359 χ^2/NDF:1342.1/23

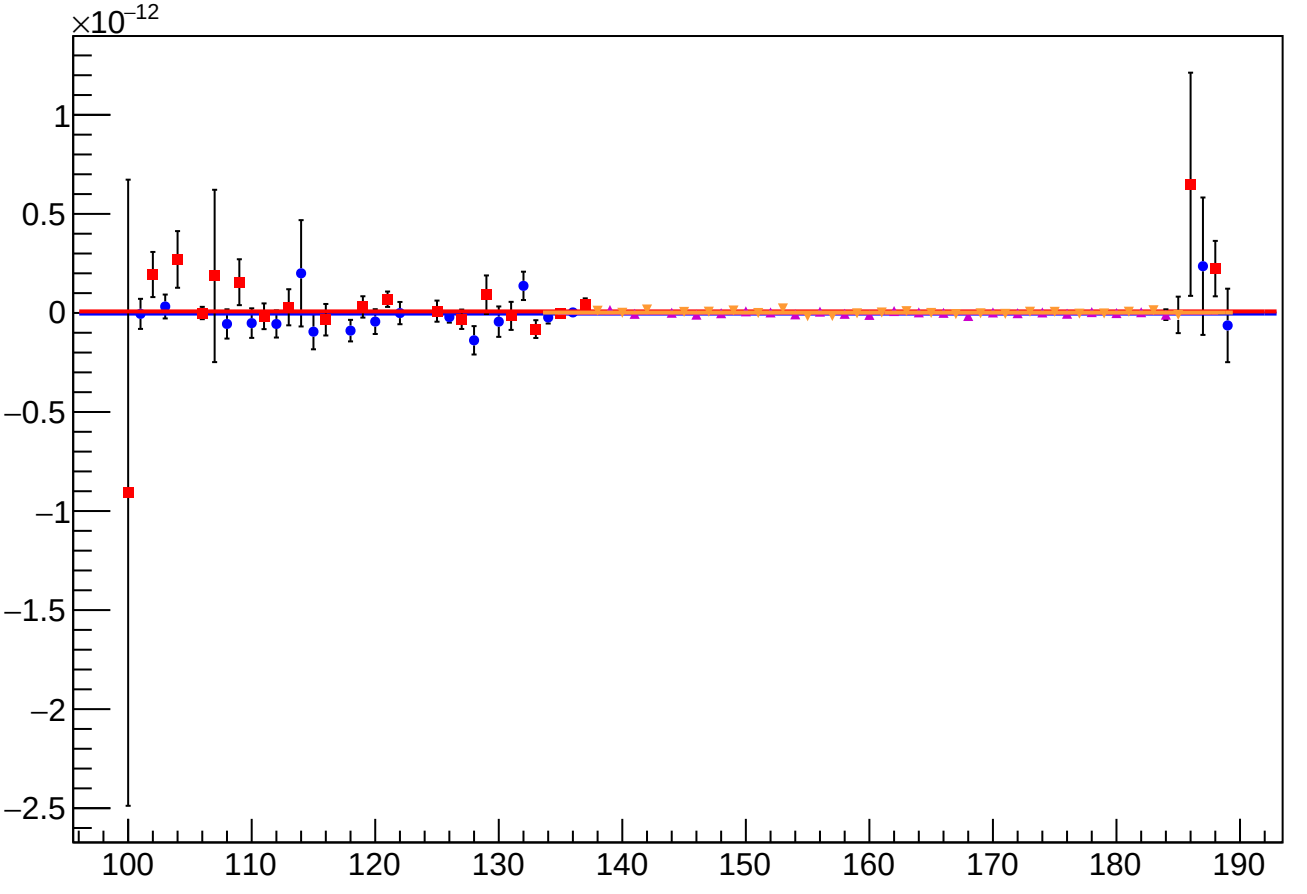
Right Out: 2483.535+/-0.608 χ^2/NDF: 650753.5/19

Left In: 2190.163+/-0.362 χ^2/NDF:2542.8/22

+ sign 2246.594+/-0.311 χ^2/NDF: 792608.4/41

All: 2256.658+/-0.220 χ^2/NDF: 1619794.3/84

- sign 2266.728+/-0.311 χ^2/NDF: 825087.8/42



Right In: -0.000+/-0.000 χ^2/NDF: 16.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:19.4/23

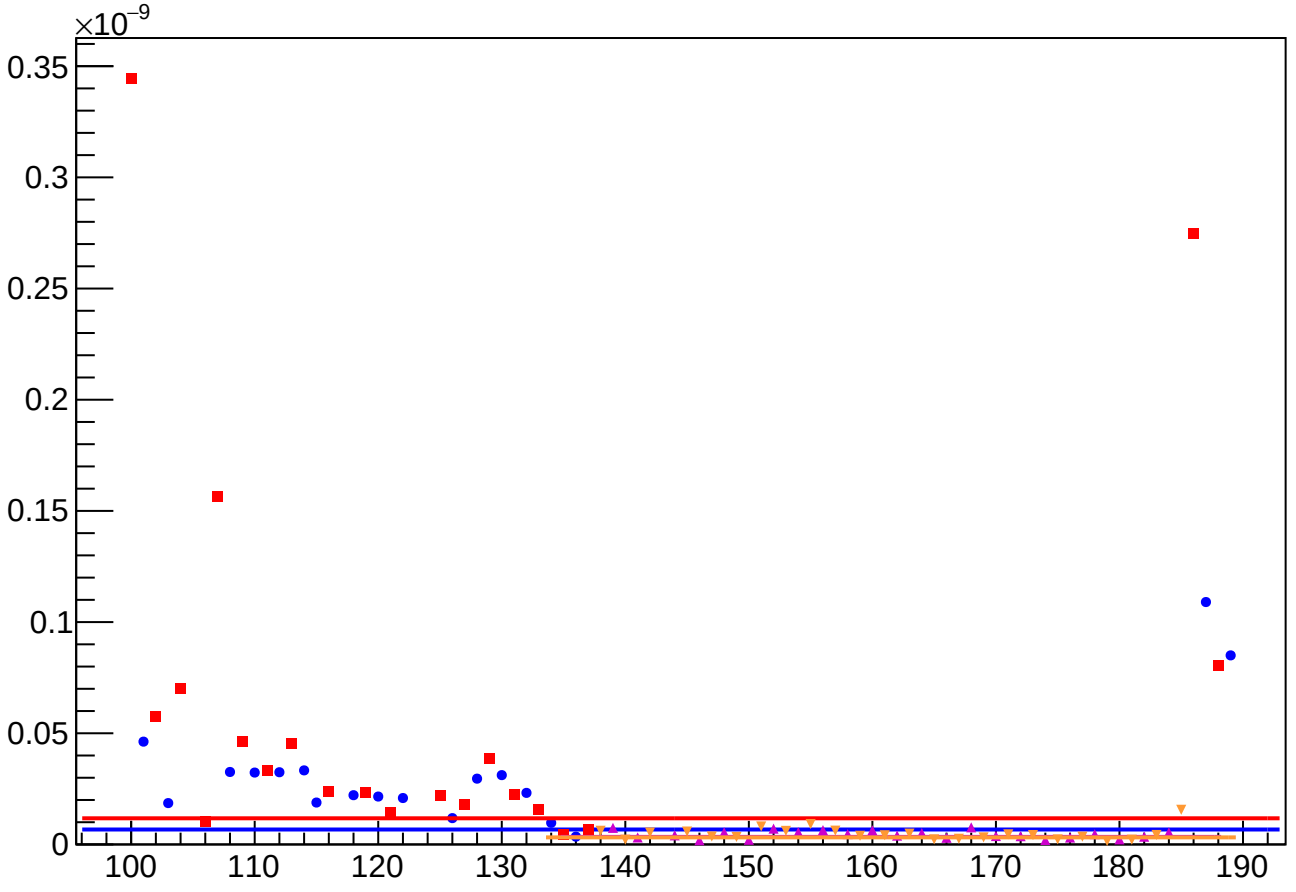
Right Out: 0.000+/-0.000 χ^2/NDF: 22.6/19

Left In: 0.000+/-0.000 χ^2/NDF:13.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 36.2/41

All: 0.000+/-0.000 χ^2/NDF: 73.0/84

- sign 0.000+/-0.000 χ^2/NDF: 36.5/42



Right In: 0.000+/-0.000 χ^2/NDF: 3388137.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:2065501.9/23

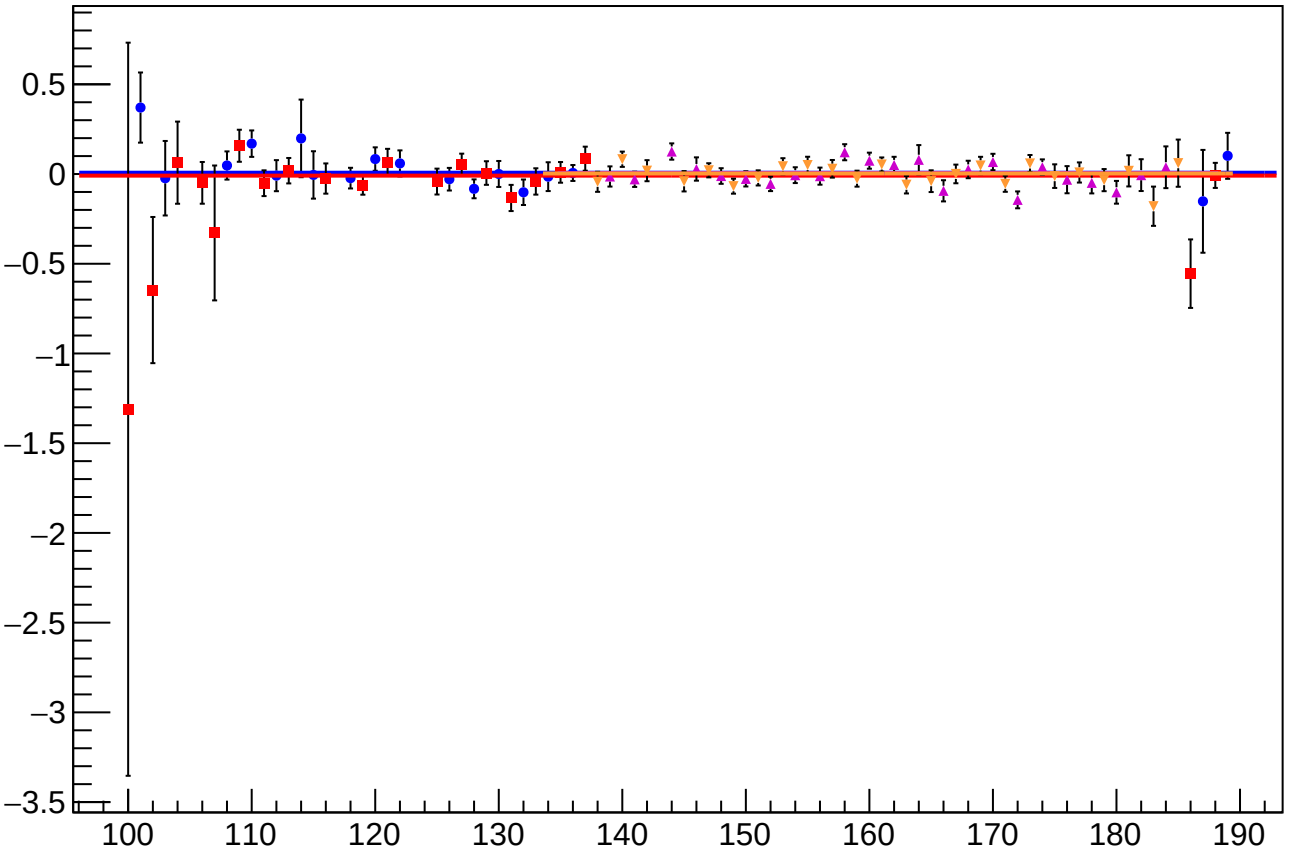
Right Out: 0.000+/-0.000 χ^2/NDF: 3620778.1/19

Left In: 0.000+/-0.000 χ^2/NDF:1703481.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 6054545.6/41

All: 0.000+/-0.000 χ^2/NDF: 12842851.4/84

- sign 0.000+/-0.000 χ^2/NDF: 6761398.4/42



Right In: 0.007+/-0.018 χ^2/NDF: 18.1/17

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

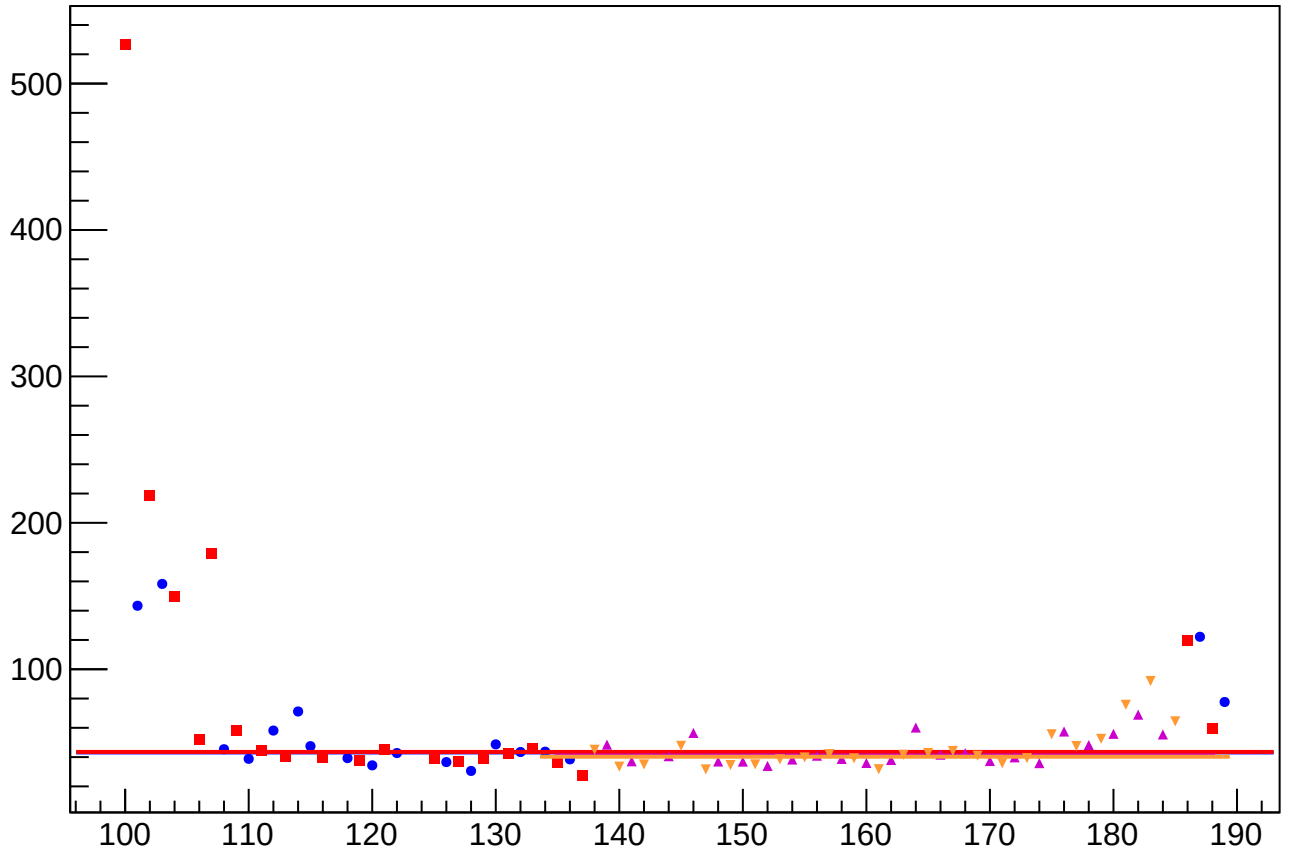
Right Out: -0.009+/-0.018 χ^2/NDF: 24.5/19

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.004+/-0.009 χ^2/NDF: 40.0/41

All: 0.003+/-0.006 χ^2/NDF: 106.4/84

- sign 0.002+/-0.009 χ^2/NDF: 66.4/42



Right In: 43.186+/-0.013 χ^2/NDF: 1757270.0/17

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

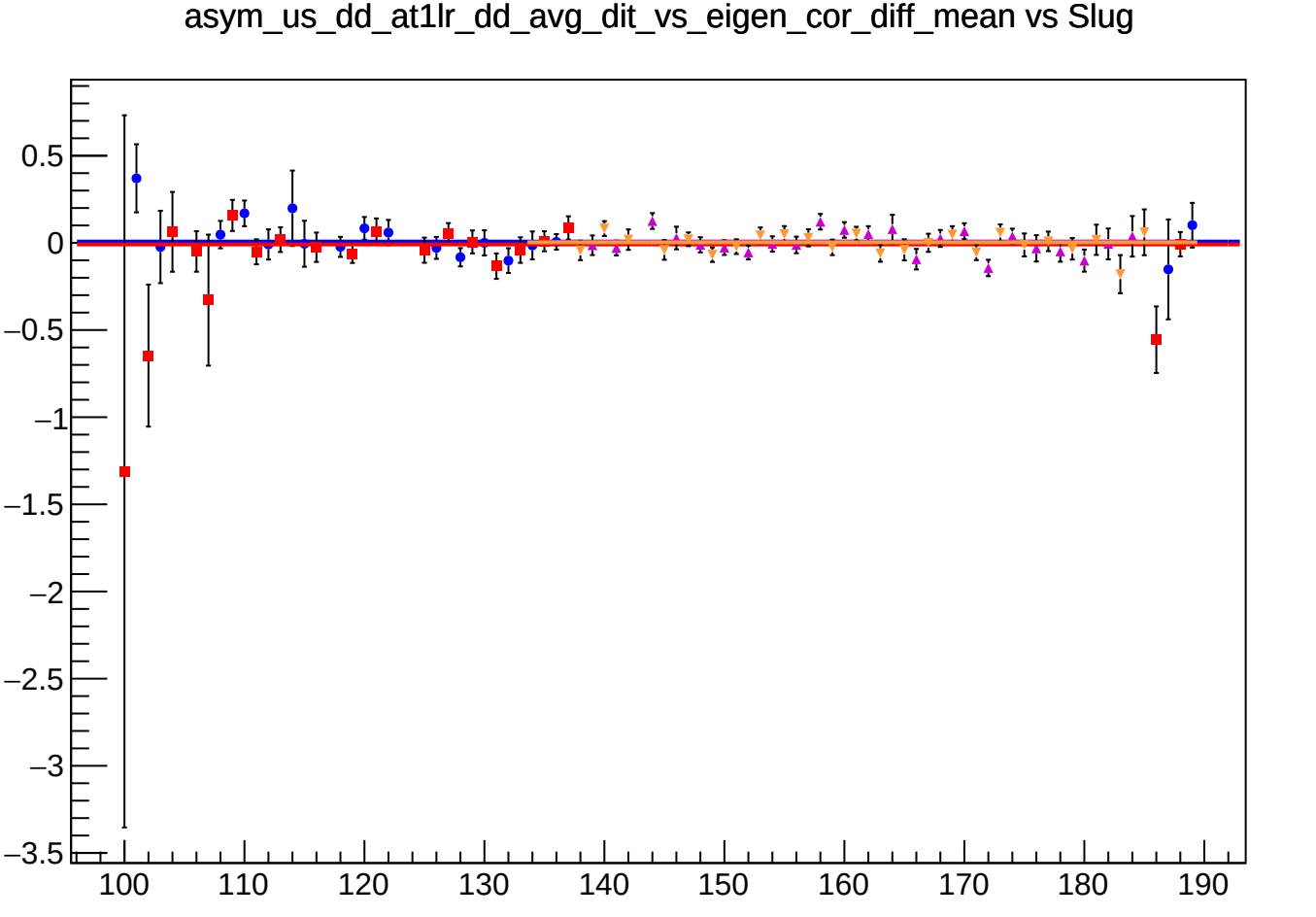
Right Out: 43.536+/-0.013 χ^2/NDF: 1882898.8/19

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

+ sign 40.999+/-0.006 χ^2/NDF: 3285422.6/41

All: 41.354+/-0.005 χ^2/NDF: 6129385.4/84

- sign 41.717+/-0.006 χ^2/NDF: 2837666.6/42



Right In: 0.007+/-0.018 χ^2/NDF: 18.1/17

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

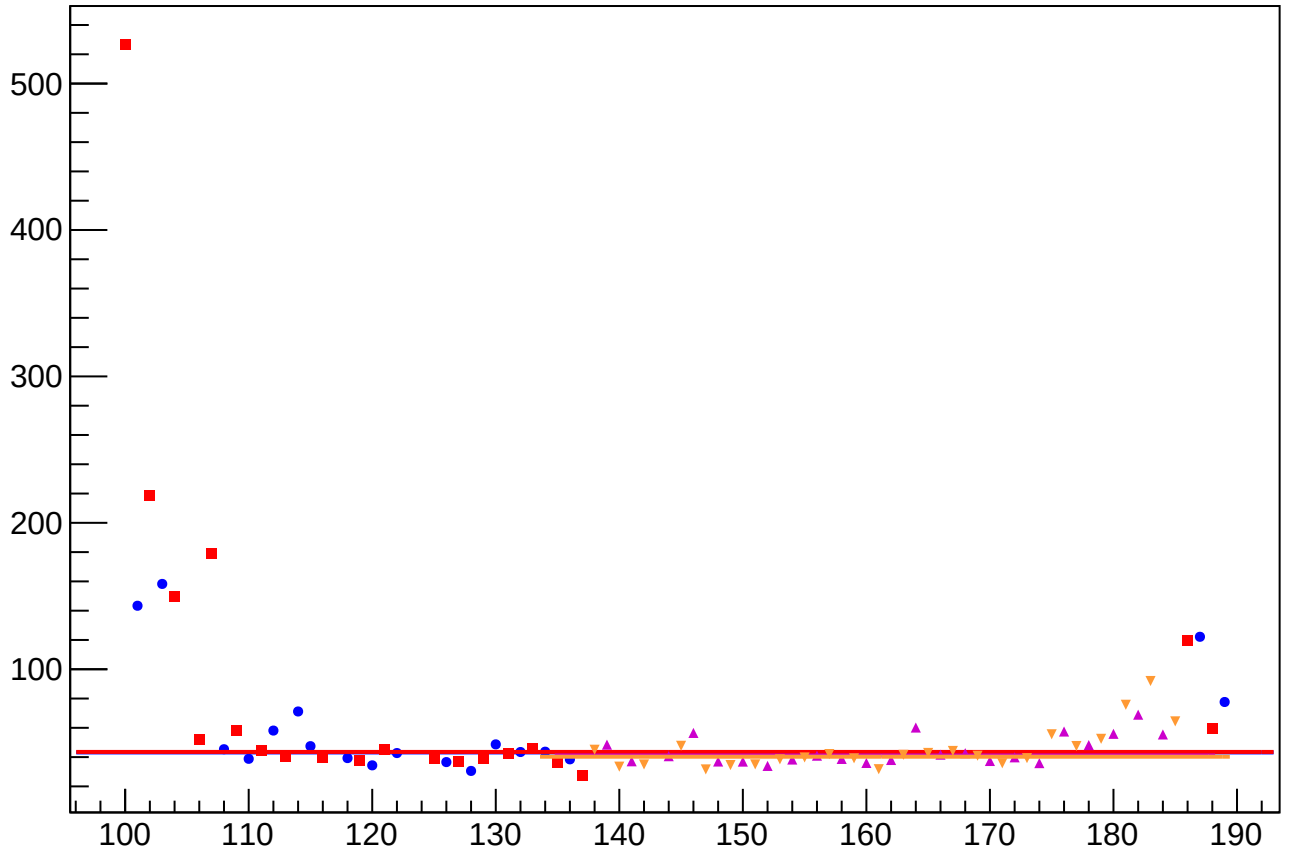
Right Out: -0.009+/-0.018 χ^2/NDF: 24.5/19

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.004+/-0.009 χ^2/NDF: 40.0/41

All: 0.003+/-0.006 χ^2/NDF: 106.4/84

- sign 0.002+/-0.009 χ^2/NDF: 66.4/42



Right In: 43.186+/-0.013 χ^2/NDF: 1757270.0/17

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

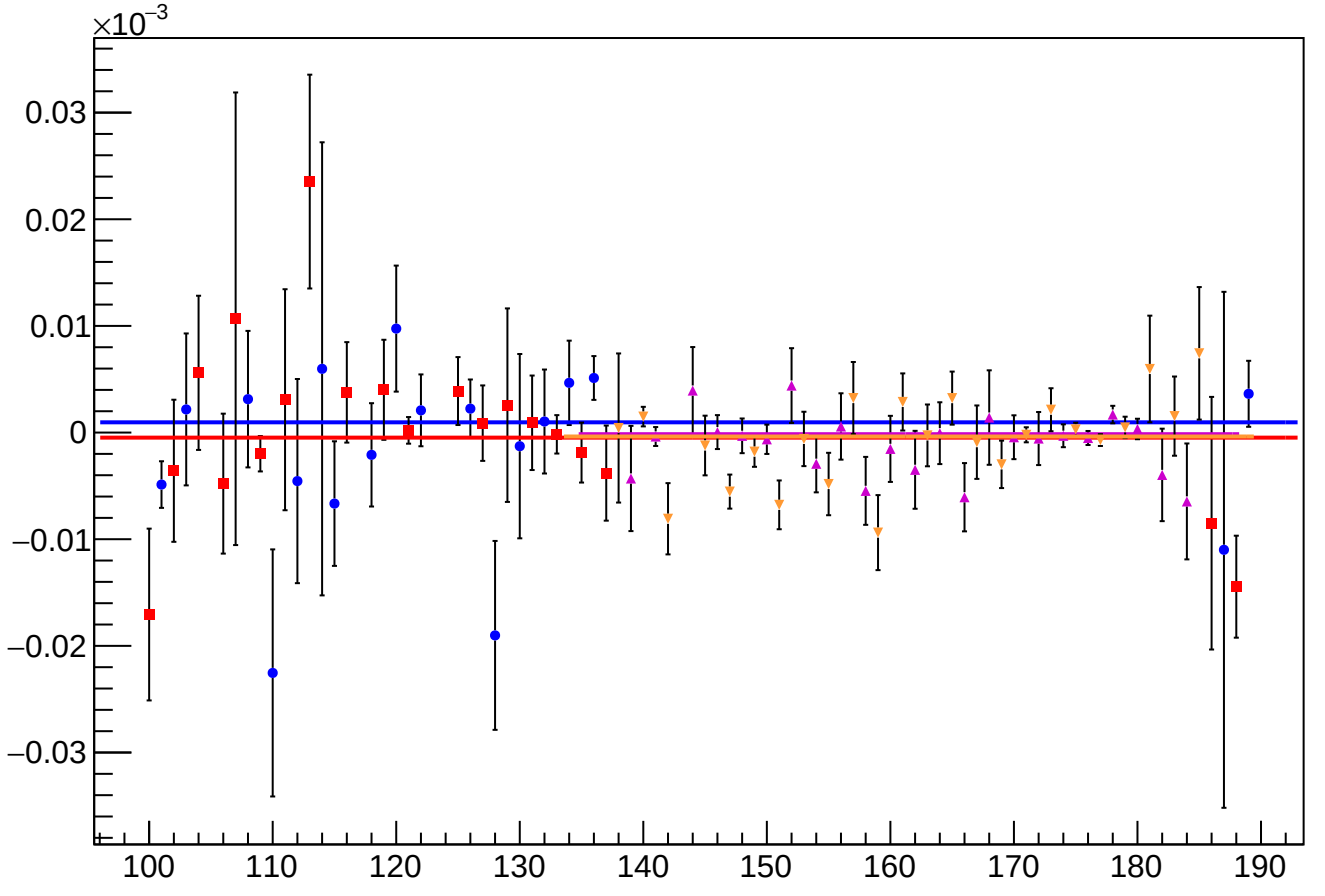
Right Out: 43.536+/-0.013 χ^2/NDF: 1882898.8/19

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

+ sign 40.999+/-0.006 χ^2/NDF: 3285422.6/41

All: 41.354+/-0.005 χ^2/NDF: 6129385.4/84

- sign 41.717+/-0.006 χ^2/NDF: 2837666.6/42



Right In: 0.000+/-0.000 χ^2/NDF: 27.5/17

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

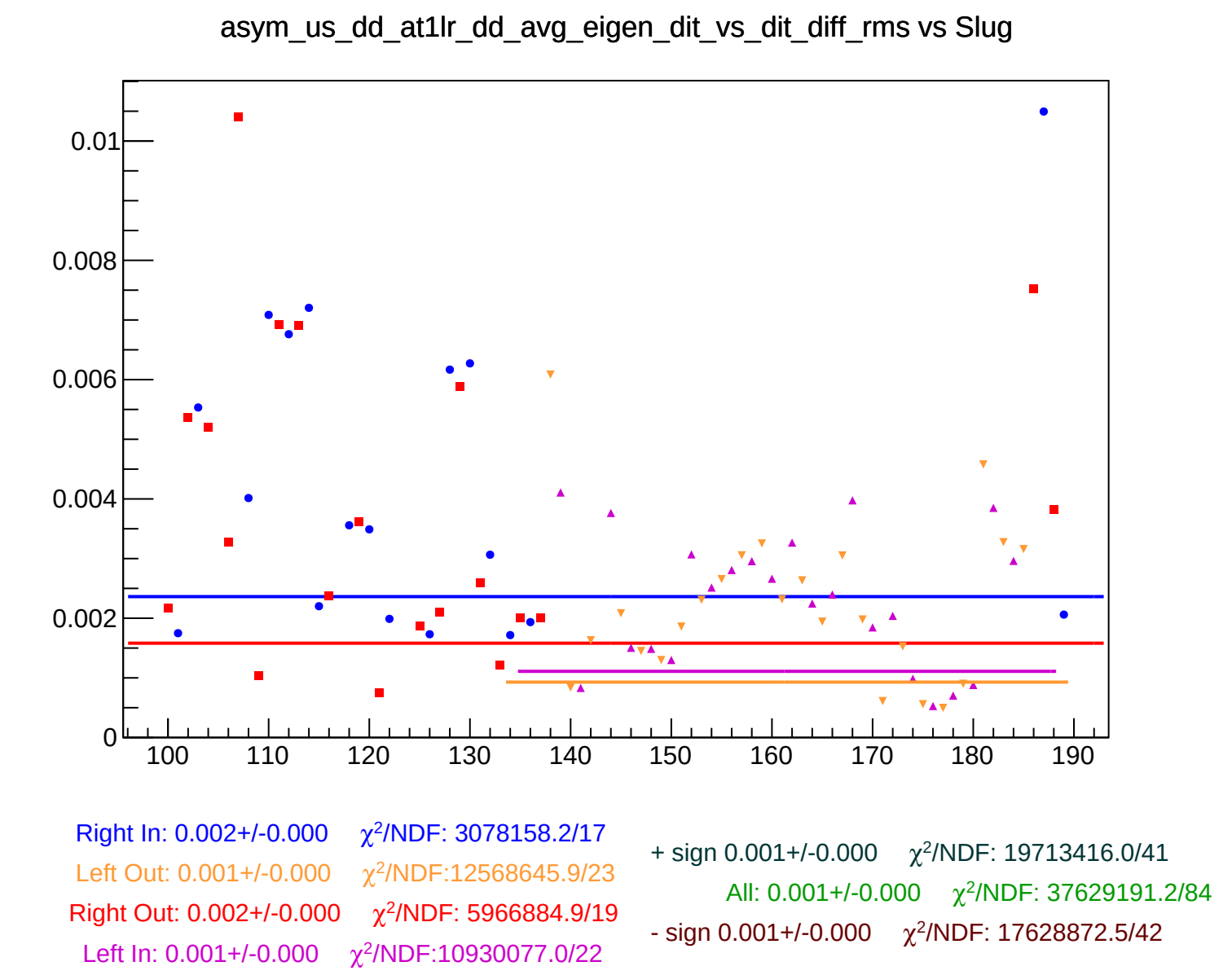
Right Out: -0.000+/-0.000 χ^2/NDF: 26.7/19

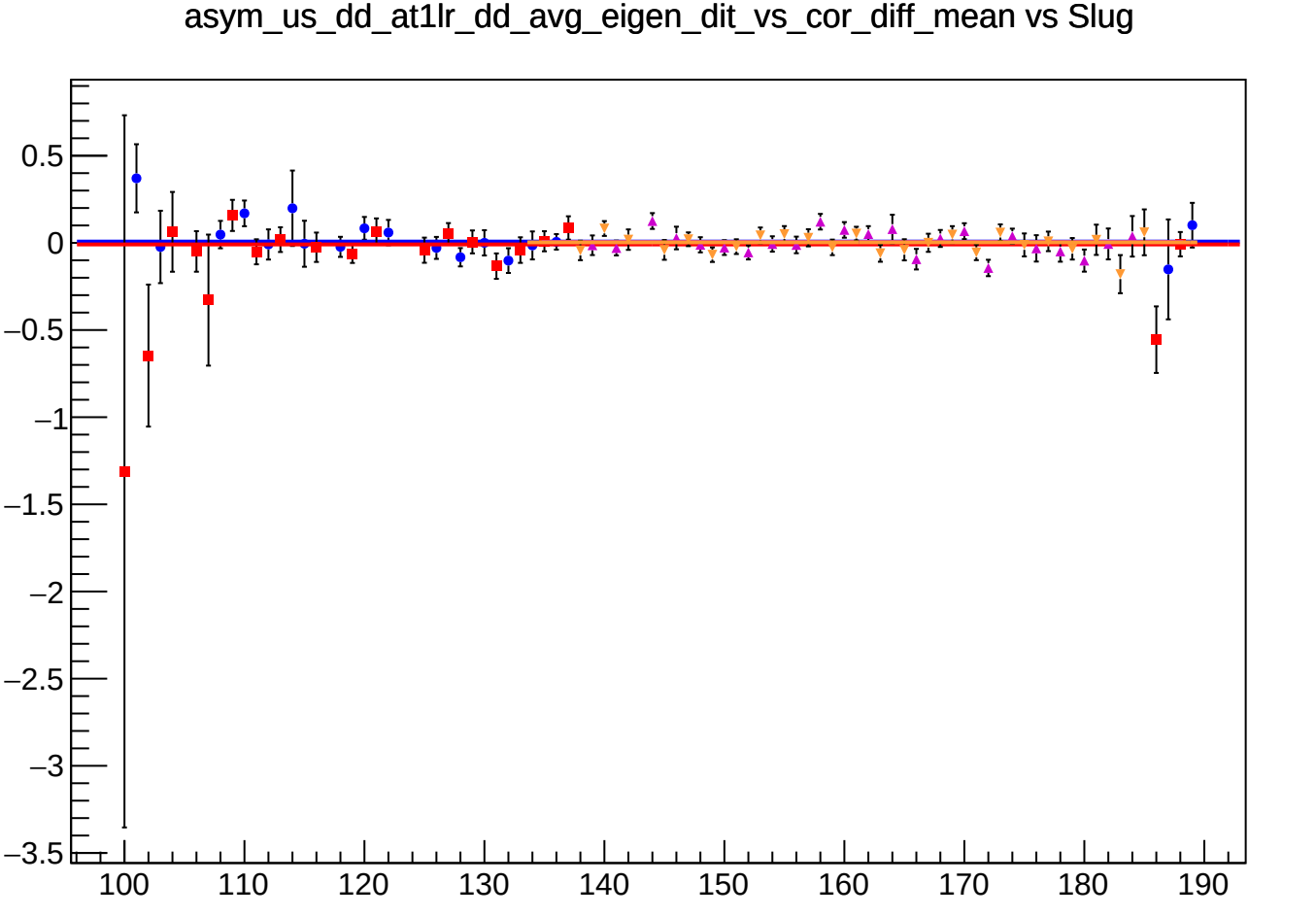
Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 80.5/41

All: -0.000+/-0.000 χ^2/NDF: 127.2/84

- sign -0.000+/-0.000 χ^2/NDF: 46.7/42


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.01
0.008
0.006
0.004
0.002
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.002+/-0.000 χ²/NDF: 3078158.2/17
Left Out: 0.001+/-0.000 χ²/NDF:12568645.9/23
Right Out: 0.002+/-0.000 χ²/NDF: 5966884.9/19
Left In: 0.001+/-0.000 χ²/NDF:10930077.0/22
+ sign 0.001+/-0.000 χ²/NDF: 19713416.0/41
All: 0.001+/-0.000 χ²/NDF: 37629191.2/84
- sign 0.001+/-0.000 χ²/NDF: 17628872.5/42



Right In: 0.007+/-0.018 χ^2/NDF: 18.1/17

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

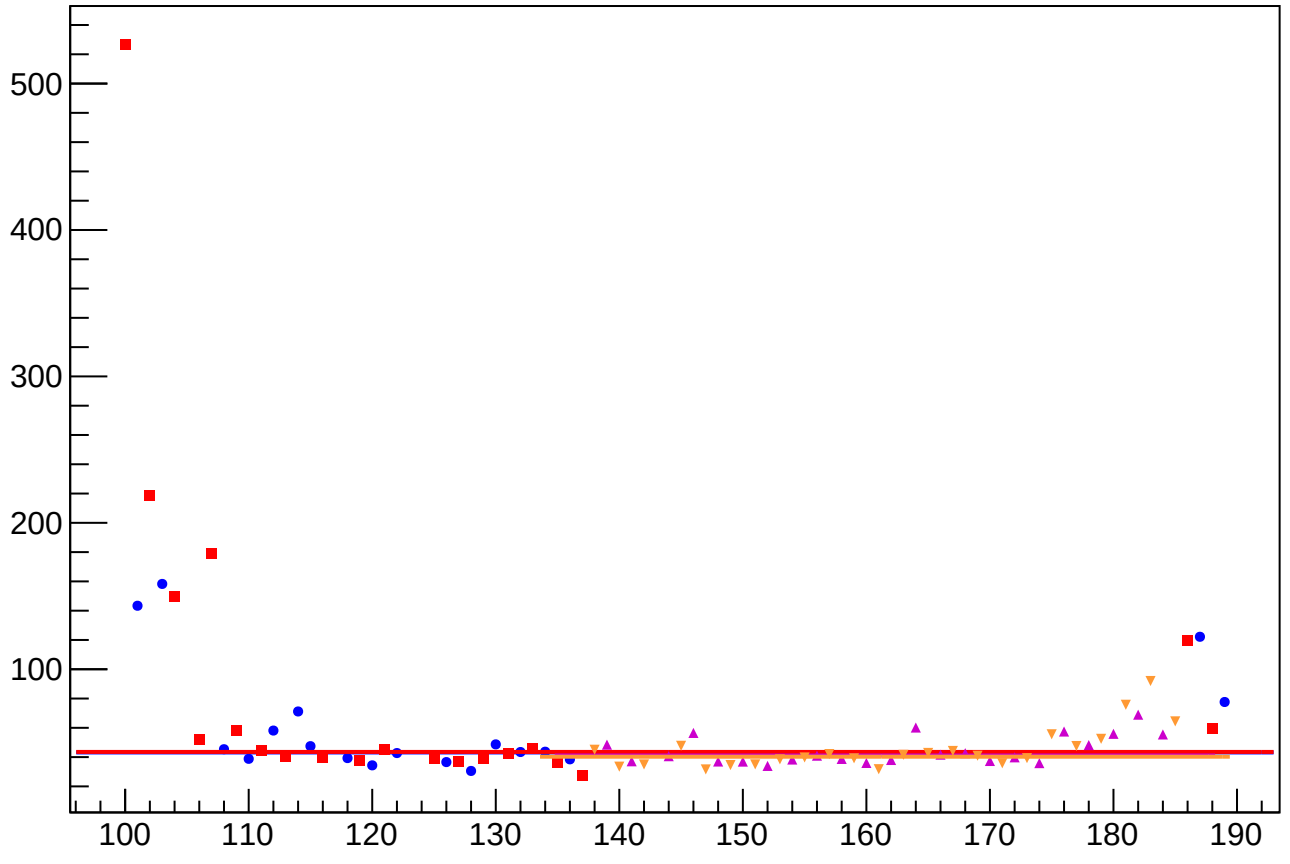
Right Out: -0.009+/-0.018 χ^2/NDF: 24.5/19

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.004+/-0.009 χ^2/NDF: 40.0/41

All: 0.003+/-0.006 χ^2/NDF: 106.4/84

- sign 0.002+/-0.009 χ^2/NDF: 66.4/42



Right In: 43.184+/-0.013 χ^2/NDF: 1757521.6/17

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

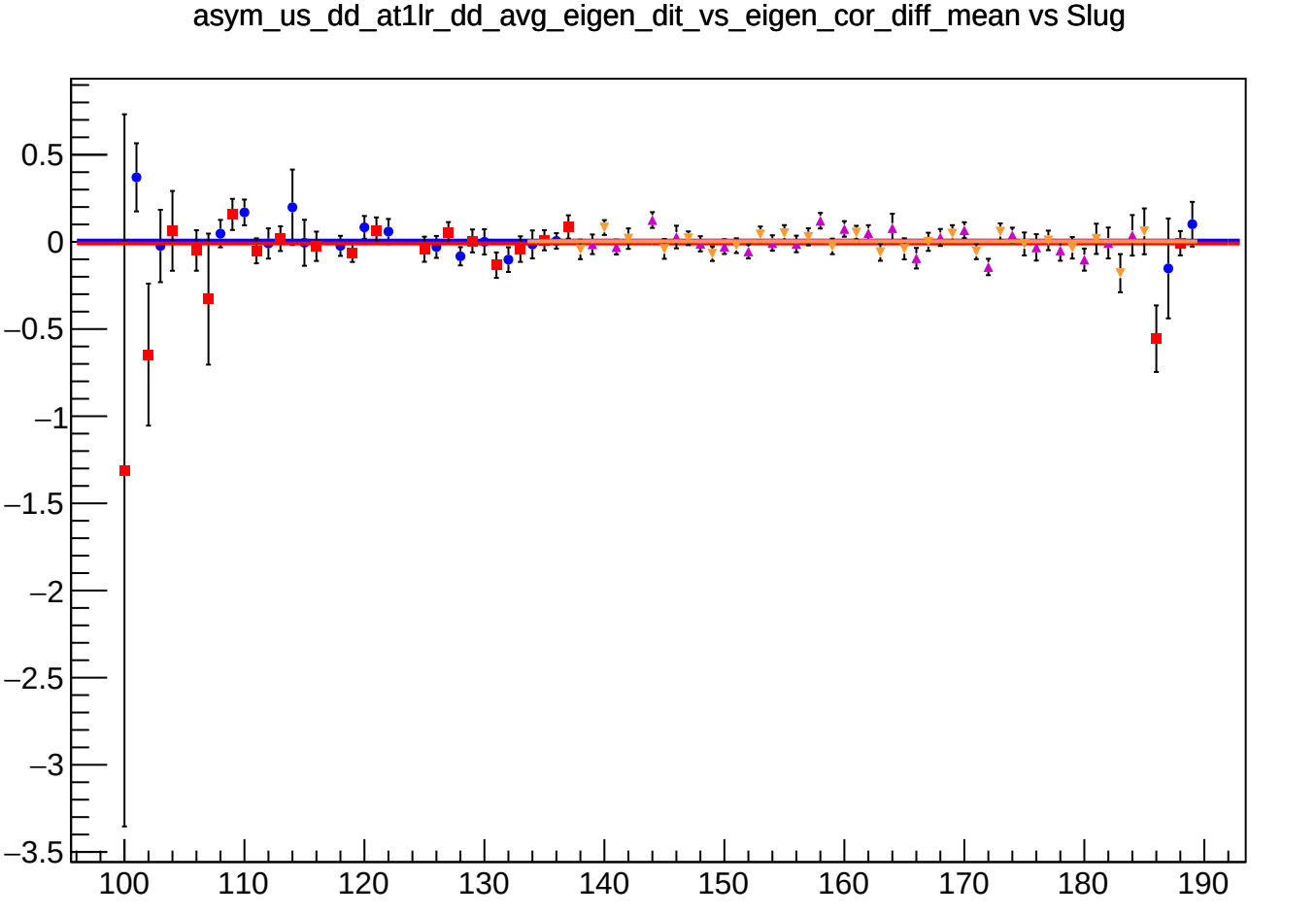
Right Out: 43.537+/-0.013 χ^2/NDF: 1882905.8/19

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

\+ sign 40.999+/-0.006 χ^2/NDF: 3285590.9/41

All: 41.354+/-0.005 χ^2/NDF: 6129622.2/84

\- sign 41.717+/-0.006 χ^2/NDF: 2837723.9/42



Right In: 0.007+/-0.018 χ^2/NDF: 18.1/17

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

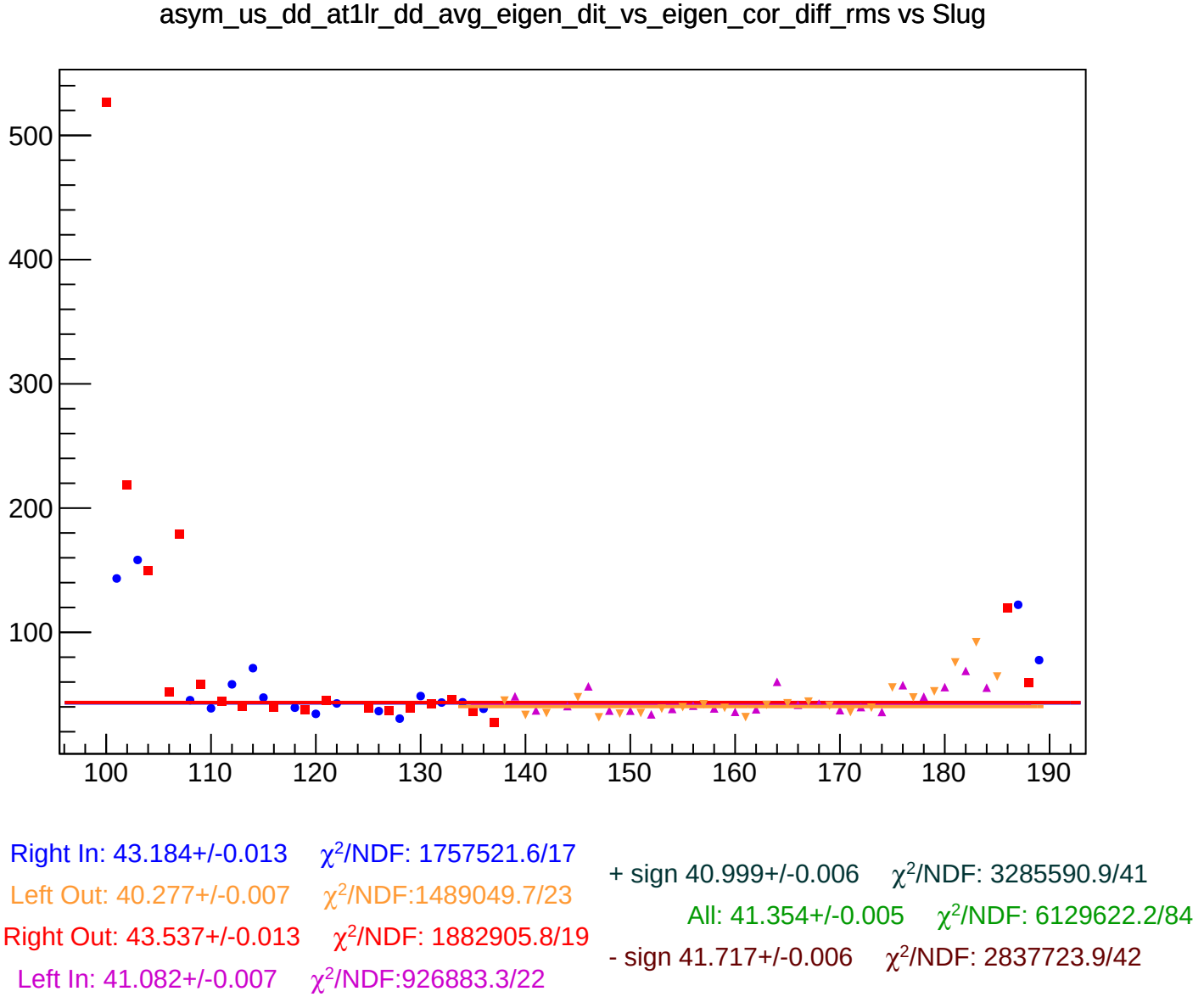
Right Out: -0.009+/-0.018 χ^2/NDF: 24.5/19

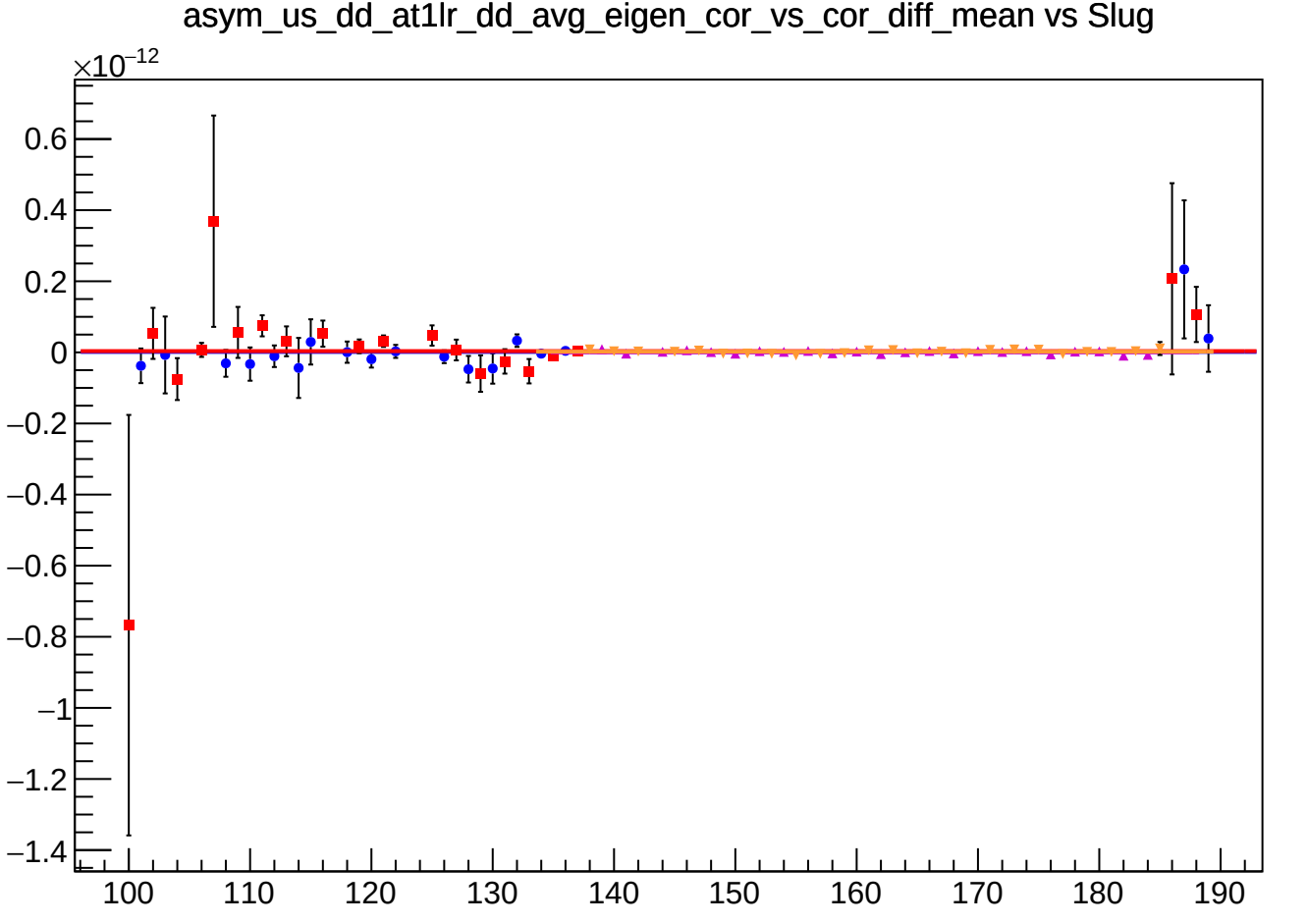
Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

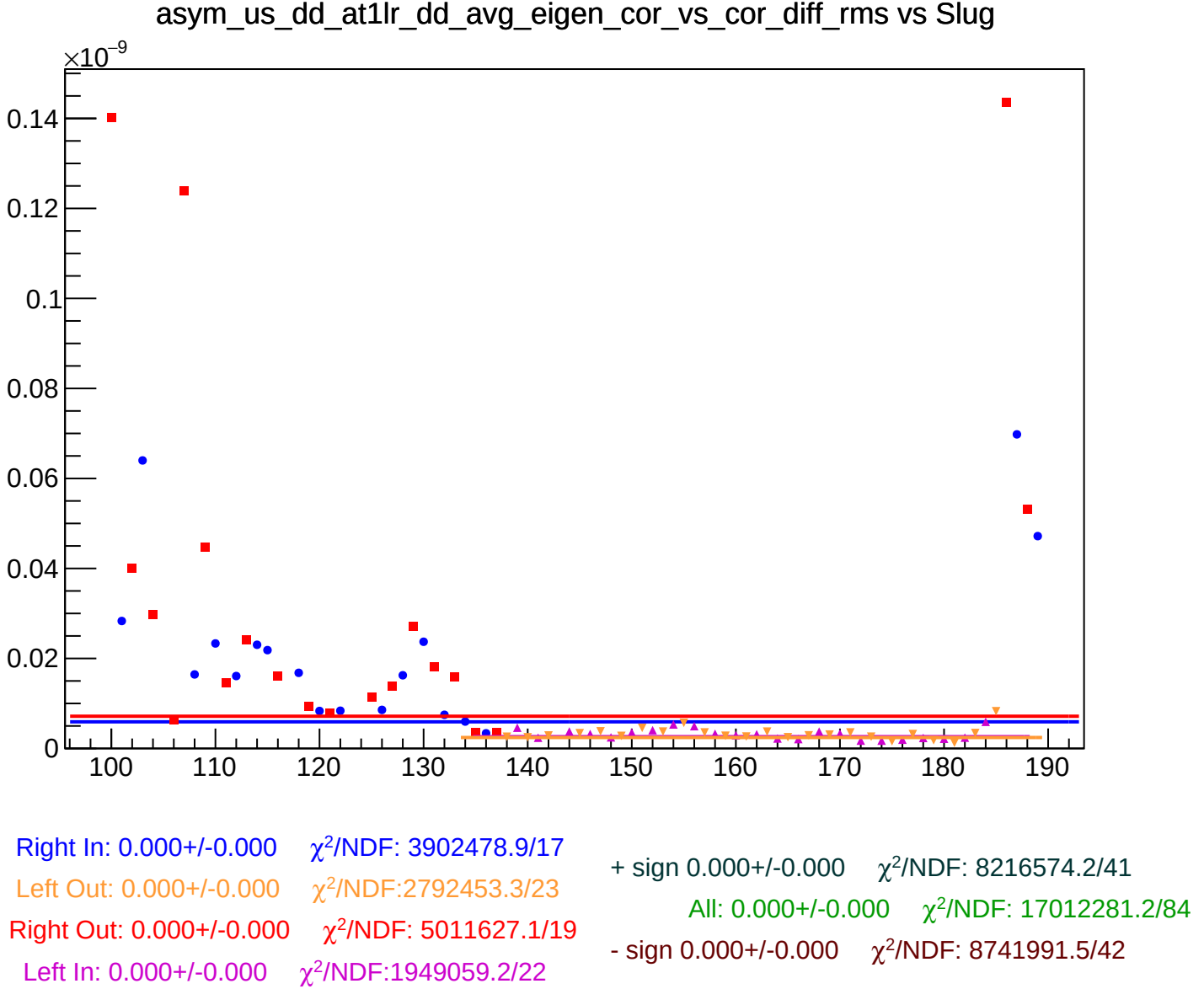
+ sign 0.004+/-0.009 χ^2/NDF: 40.0/41

All: 0.003+/-0.006 χ^2/NDF: 106.4/84

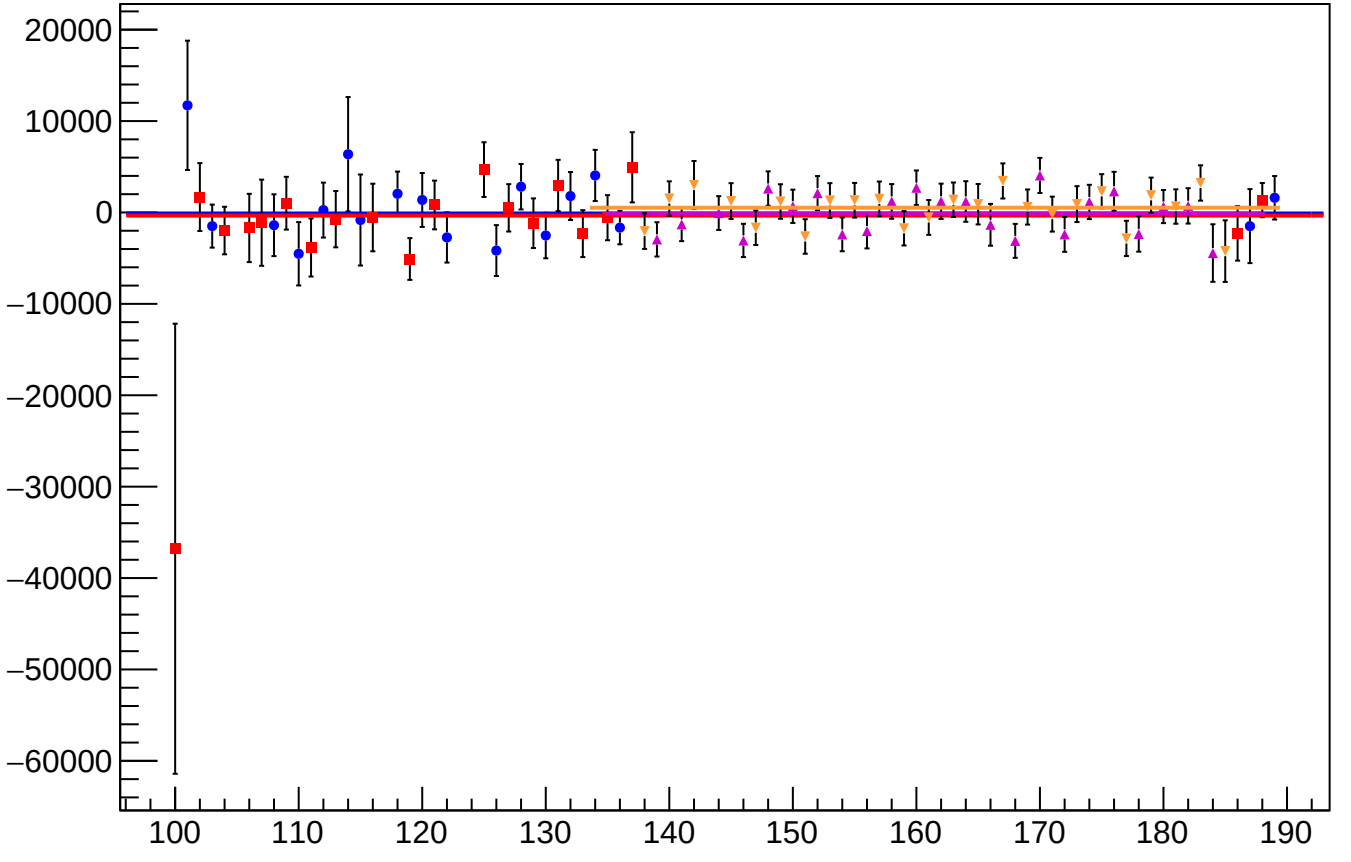
- sign 0.002+/-0.009 χ^2/NDF: 66.4/42


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
500
400
300
200
100
100
110
120
130
140
150
160
170
180
190
Right In: 43.184+/-0.013 χ²/NDF: 1757521.6/17
Left Out: 40.277+/-0.007 χ²/NDF:1489049.7/23
Right Out: 43.537+/-0.013 χ²/NDF: 1882905.8/19
Left In: 41.082+/-0.007 χ²/NDF:926883.3/22
+ sign 40.999+/-0.006 χ²/NDF: 3285590.9/41
All: 41.354+/-0.005 χ²/NDF: 6129622.2/84
- sign 41.717+/-0.006 χ²/NDF: 2837723.9/42


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 12.1/17
Left Out: 0.000+/-0.000 χ²/NDF:25.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 31.2/19
Left In: 0.000+/-0.000 χ²/NDF:23.1/22
+ sign 0.000+/-0.000 χ²/NDF: 37.3/41
All: 0.000+/-0.000 χ²/NDF: 94.0/84
- sign 0.000+/-0.000 χ²/NDF: 54.7/42


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3902478.9/17
Left Out: 0.000+/-0.000 χ²/NDF:2792453.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 5011627.1/19
Left In: 0.000+/-0.000 χ²/NDF:1949059.2/22
+ sign 0.000+/-0.000 χ²/NDF: 8216574.2/41
All: 0.000+/-0.000 χ²/NDF: 17012281.2/84
- sign 0.000+/-0.000 χ²/NDF: 8741991.5/42

reg_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -112.665+/-670.250 χ^2/NDF: 16.5/17

Left Out: 519.929+/-401.705 χ^2/NDF:20.8/23

Right Out: -338.479+/-649.027 χ^2/NDF: 17.1/19

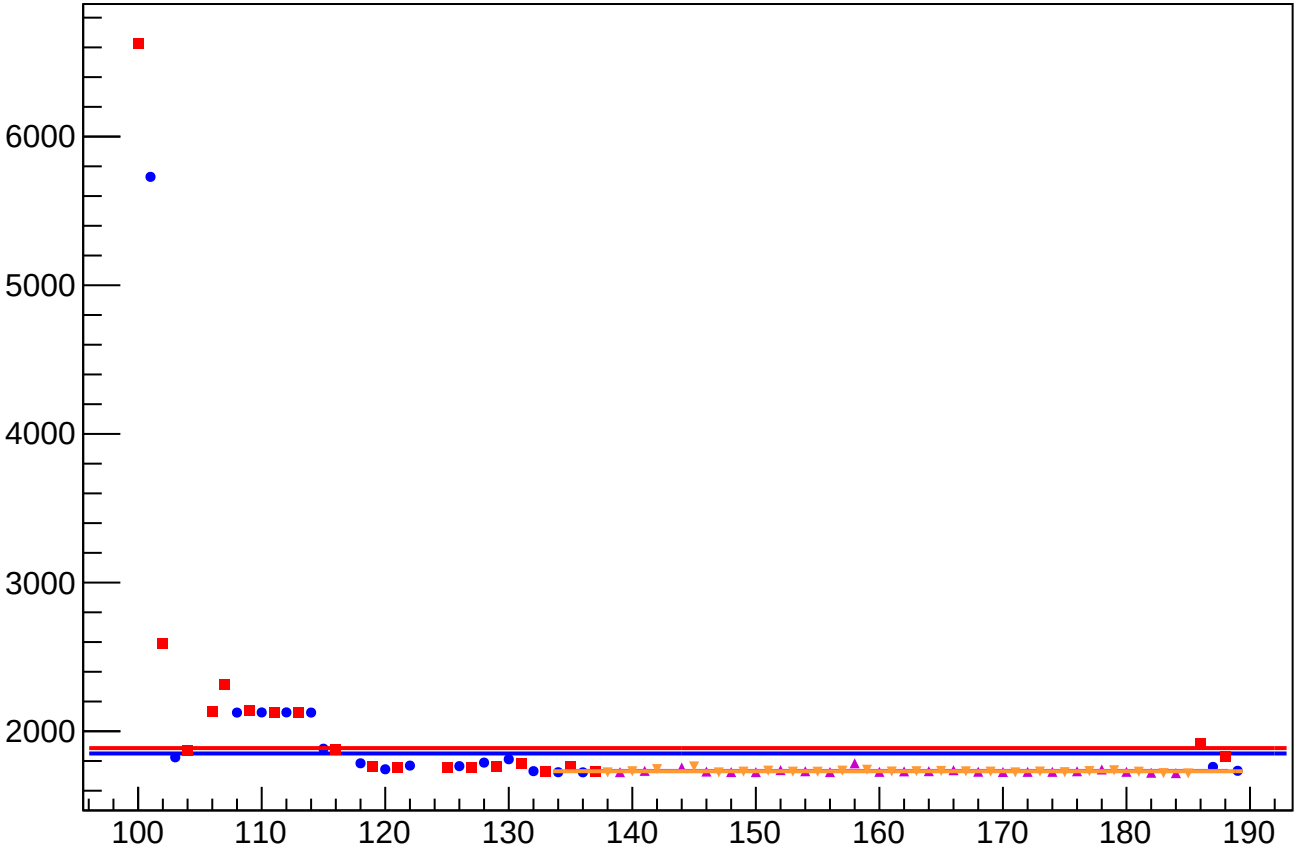
Left In: -126.031+/-404.630 χ^2/NDF:29.5/22

+ sign 352.750+/-344.560 χ^2/NDF: 37.9/41

All: 82.694+/-243.217 χ^2/NDF: 85.8/84

- sign -185.493+/-343.366 χ^2/NDF: 46.7/42

reg_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1850.466+/-0.474 χ^2/NDF: 681138.4/17

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

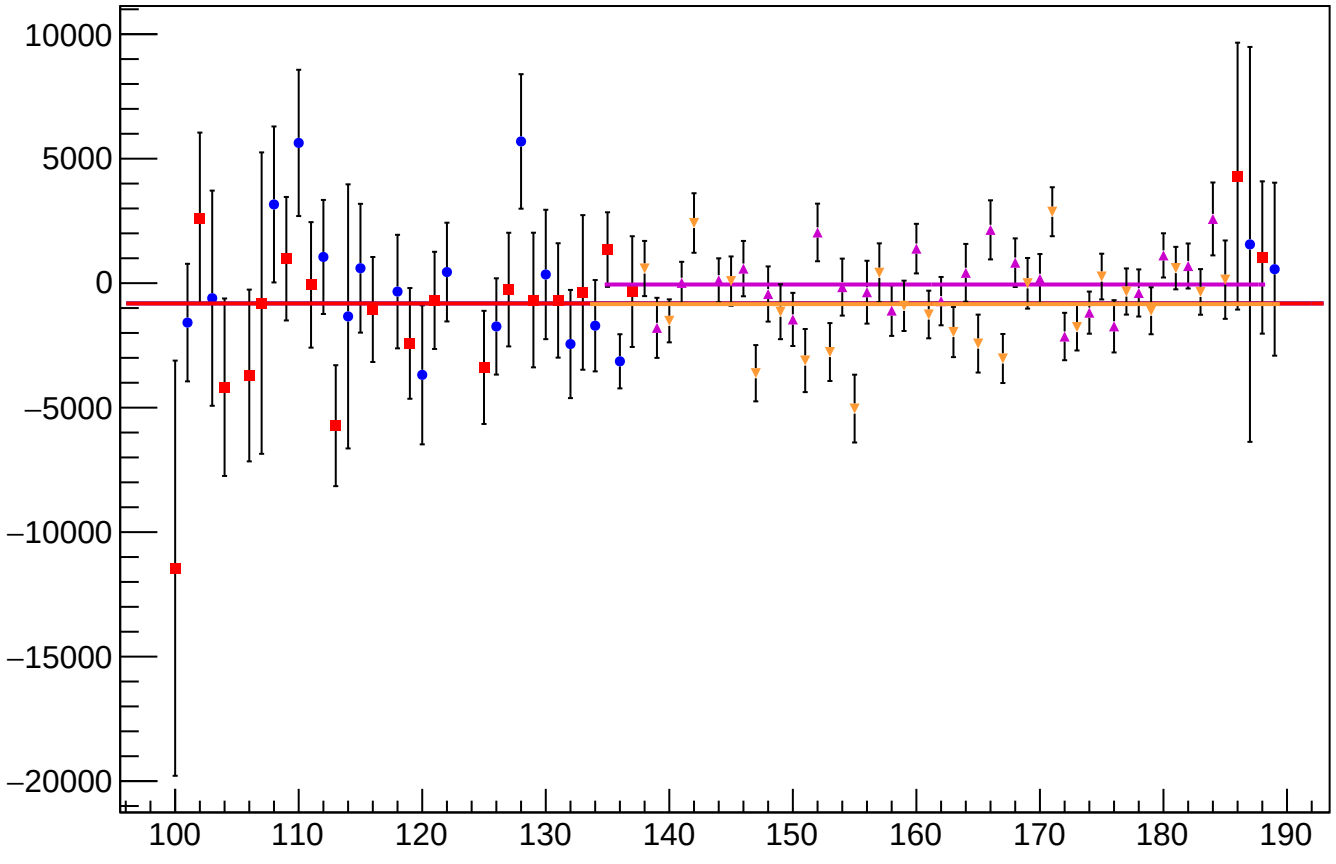
Right Out: 1886.663+/-0.459 χ^2/NDF: 253666.7/19

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1762.459+/-0.244 χ^2/NDF: 728975.9/41

All: 1769.260+/-0.172 χ^2/NDF: 1067157.1/84

- sign 1776.014+/-0.243 χ^2/NDF: 336628.2/42



Right In: -811.532+/-541.766 χ^2/NDF: 20.9/17

Left Out: -842.437+/-210.852 χ^2/NDF:62.7/23

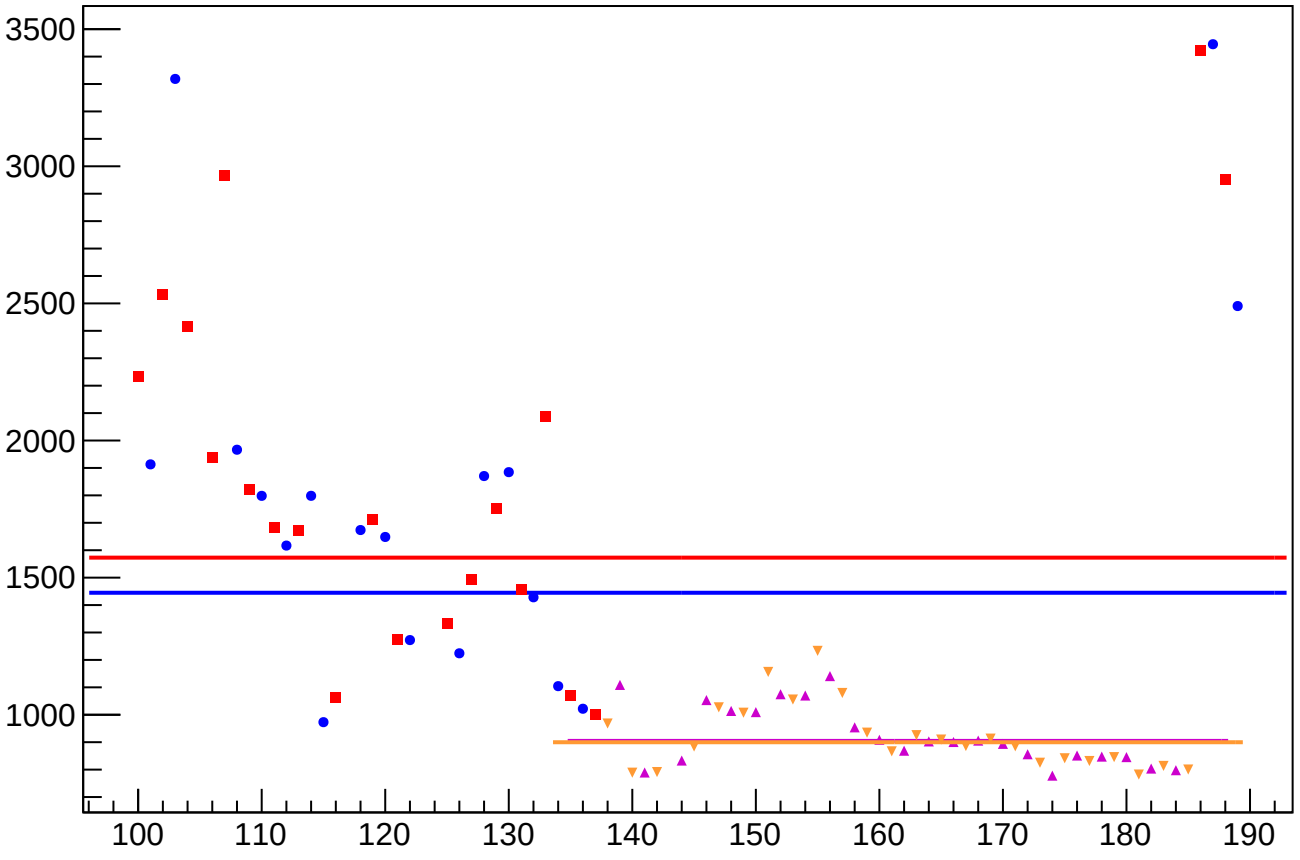
Right Out: -816.687+/-570.352 χ^2/NDF: 14.2/19

Left In: -53.905+/-212.966 χ^2/NDF:30.6/22

\+ sign -838.371+/-196.495 χ^2/NDF: 83.6/41

All: -498.070+/-139.997 χ^2/NDF: 136.1/84

\- sign -147.241+/-199.512 χ^2/NDF: 46.4/42



Right In: 1444.888+/-0.383 χ^2/NDF: 1484502.1/17

Left Out: 899.811+/-0.149 χ^2/NDF:495328.4/23

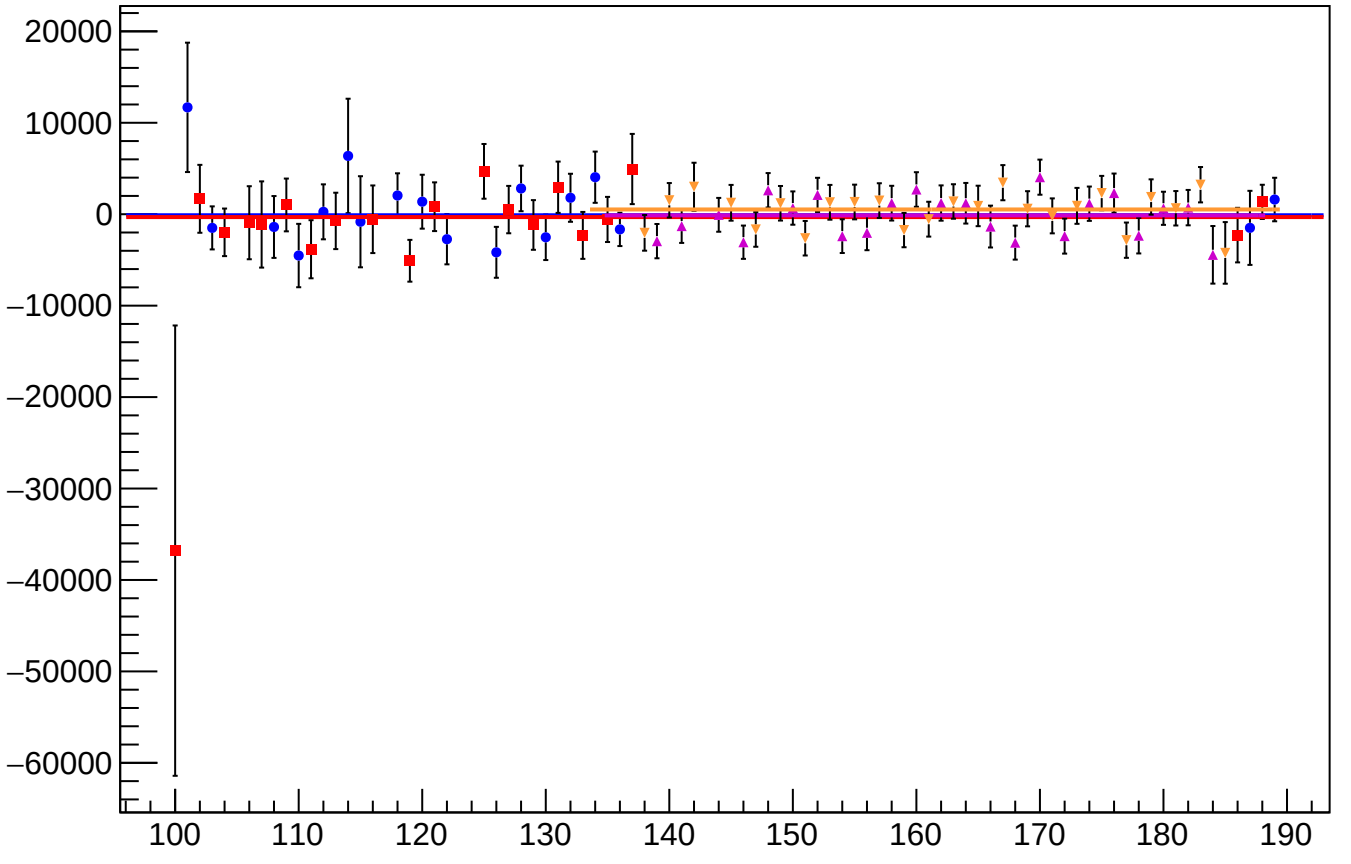
Right Out: 1572.947+/-0.403 χ^2/NDF: 1704767.8/19

Left In: 904.656+/-0.151 χ^2/NDF:452251.7/22

+ sign 971.514+/-0.139 χ^2/NDF: 3738032.4/41

All: 978.859+/-0.099 χ^2/NDF: 8310571.6/84

- sign 986.430+/-0.141 χ^2/NDF: 4566865.0/42



Right In: -113.340+/-670.250 χ^2/NDF: 16.5/17

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: -313.497+/-650.258 χ^2/NDF: 17.0/19

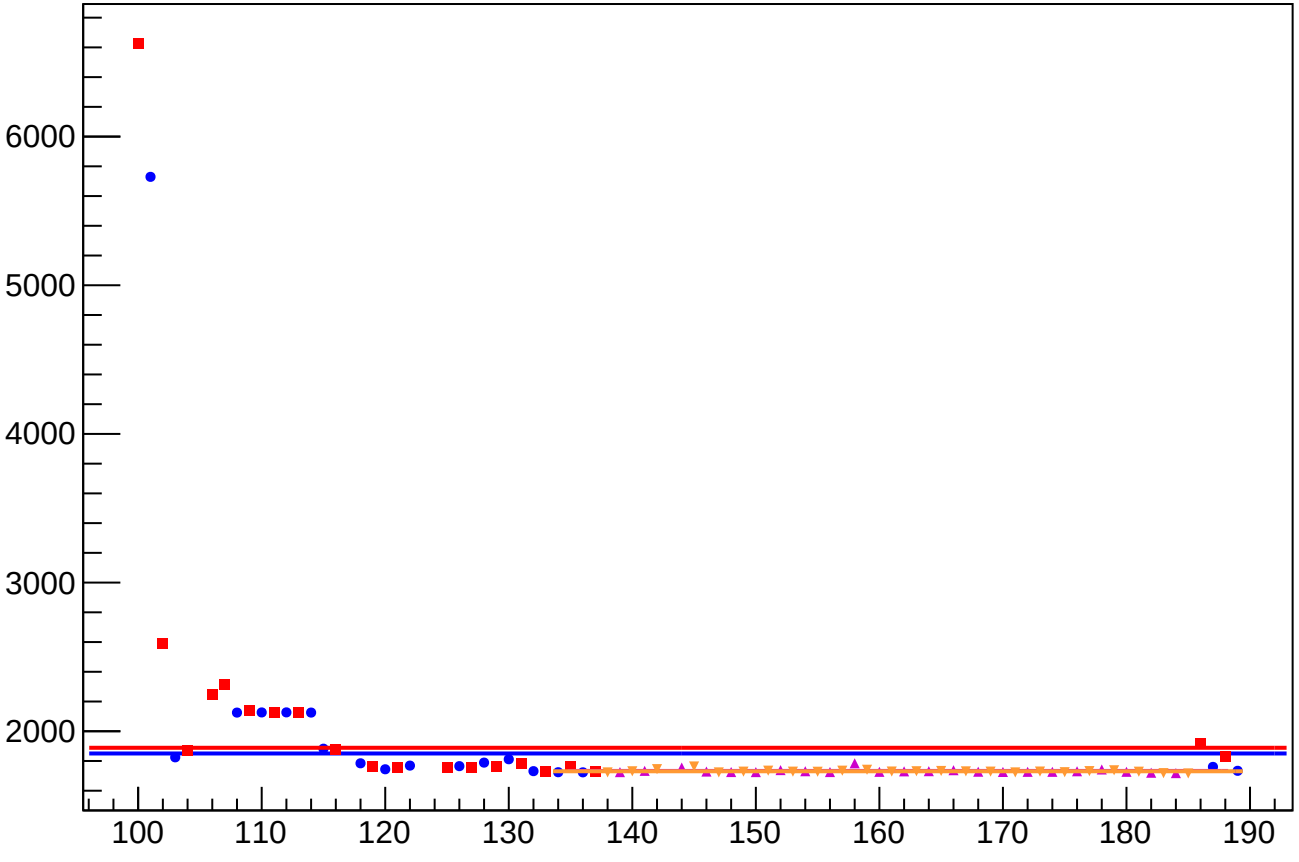
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 352.592+/-344.560 χ^2/NDF: 37.9/41

All: 86.314+/-243.282 χ^2/NDF: 85.6/84

- sign -178.401+/-343.548 χ^2/NDF: 46.5/42

cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1850.466+/-0.474 χ^2/NDF: 681138.3/17

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

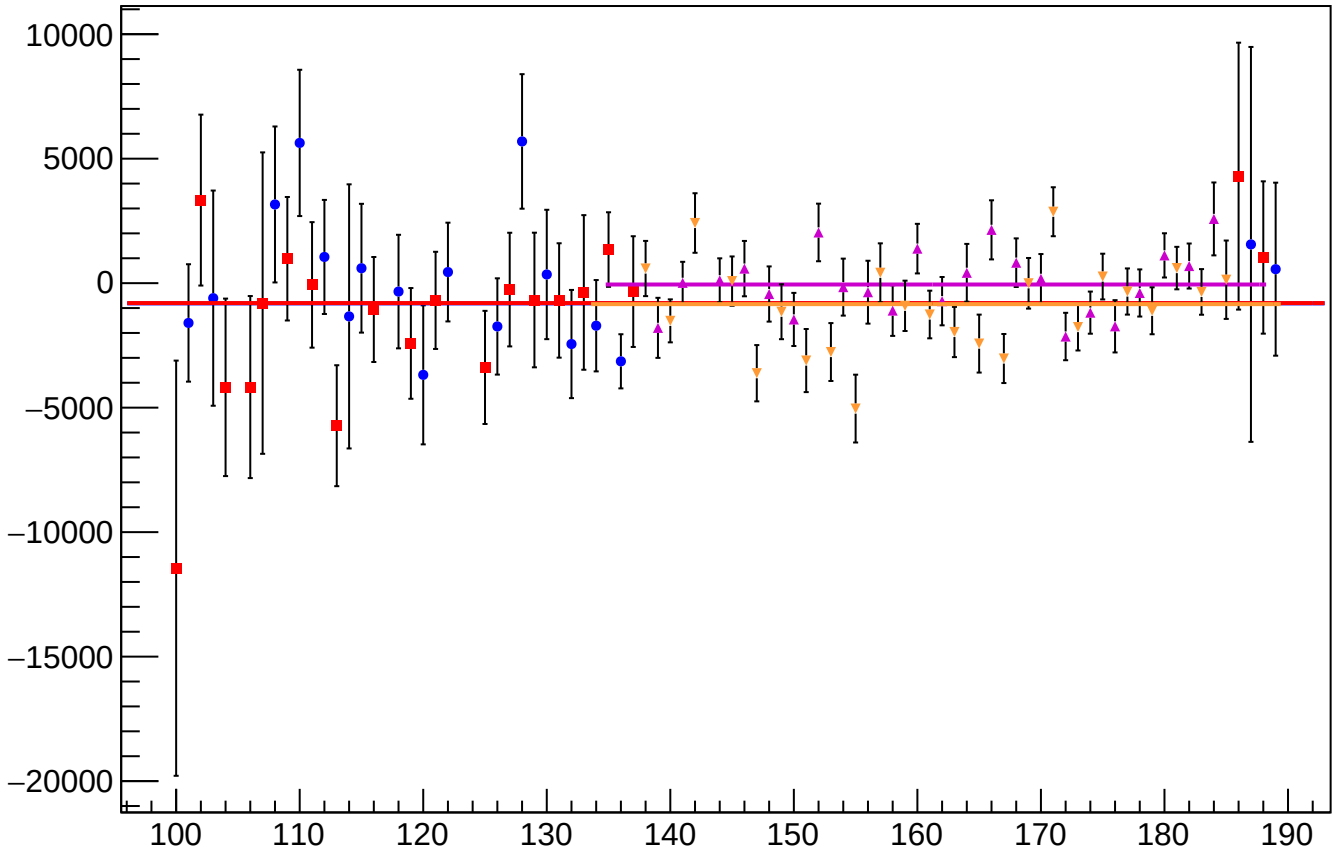
Right Out: 1888.823+/-0.460 χ^2/NDF: 261458.0/19

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1762.459+/-0.244 χ^2/NDF: 728975.8/41

All: 1769.500+/-0.172 χ^2/NDF: 1077119.3/84

- sign 1776.500+/-0.243 χ^2/NDF: 346478.2/42



Right In: -812.331+/-541.725 χ^2/NDF: 20.9/17

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

Right Out: -799.580+/-571.208 χ^2/NDF: 14.8/19

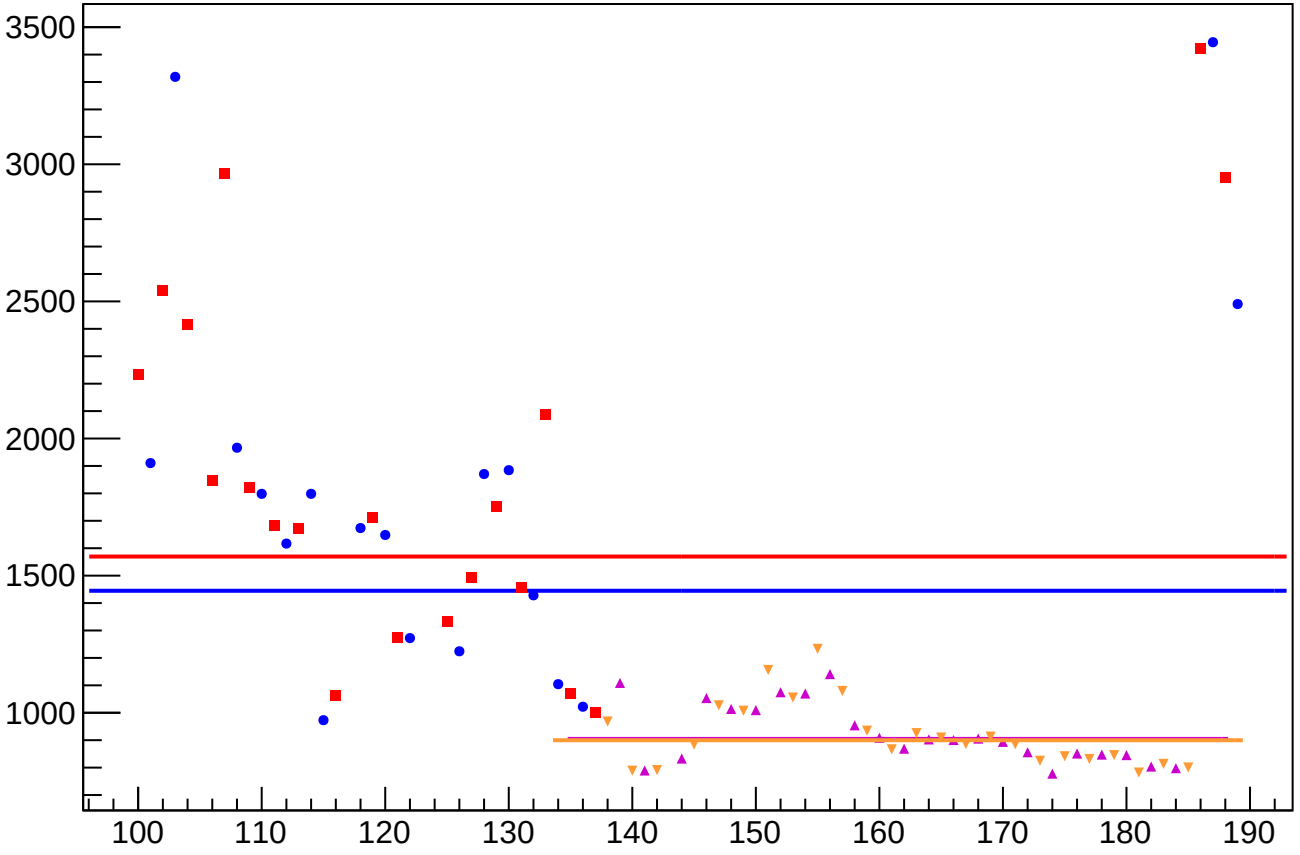
Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

\+ sign -838.507+/-196.493 χ^2/NDF: 83.6/41

All: -497.065+/-140.009 χ^2/NDF: 136.7/84

\- sign -144.927+/-199.548 χ^2/NDF: 47.0/42

asym_us_dd_at1lr_dd_dd_cor_correction_rms vs Slug



Right In: 1444.808+/-0.383 χ^2/NDF: 1483899.2/17

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1569.680+/-0.404 χ^2/NDF: 1695116.5/19

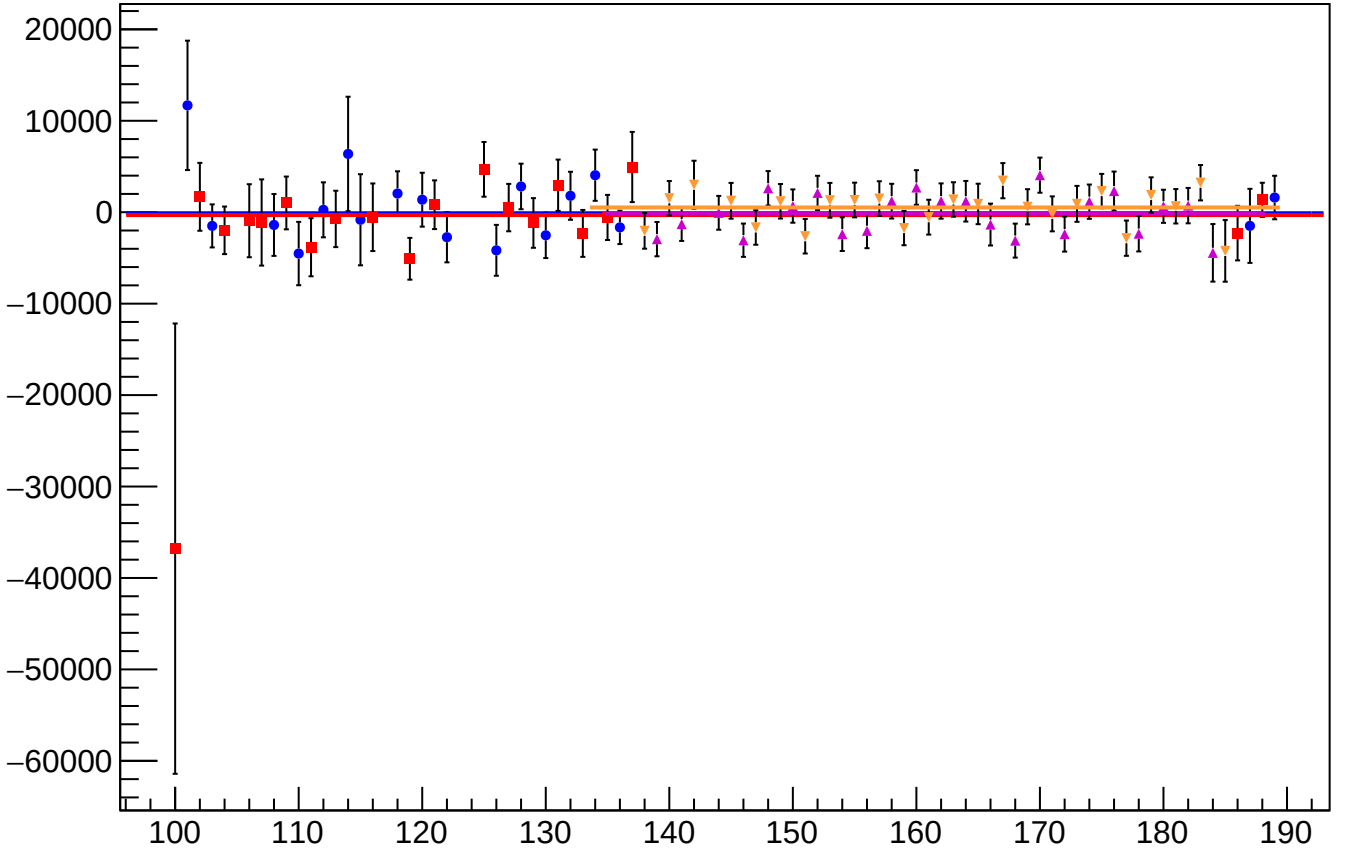
Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

+ sign 971.516+/-0.139 χ^2/NDF: 3737068.8/41

All: 978.554+/-0.099 χ^2/NDF: 8269750.8/84

- sign 985.813+/-0.141 χ^2/NDF: 4527469.6/42

eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -113.340+/-670.250 χ^2/NDF: 16.5/17

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: -313.497+/-650.258 χ^2/NDF: 17.0/19

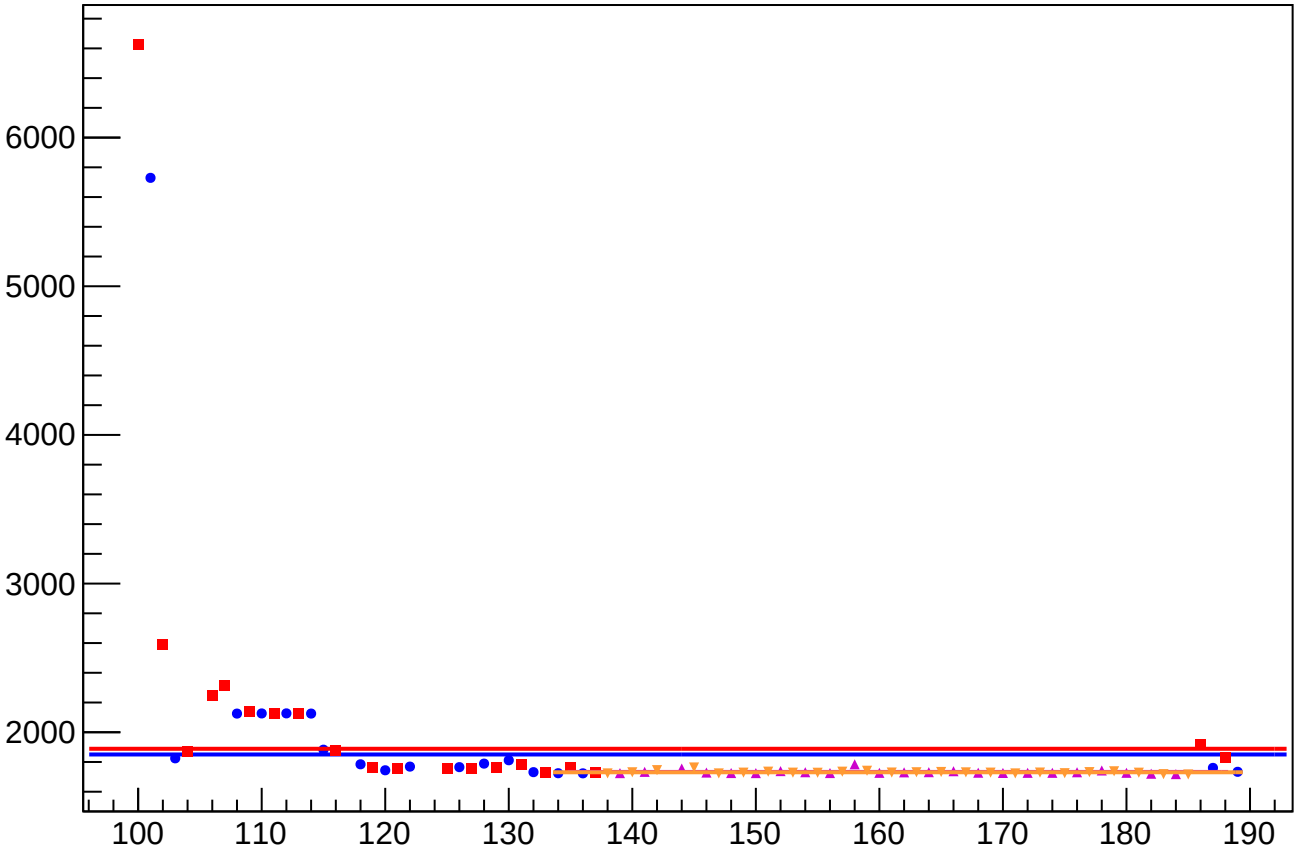
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 352.592+/-344.560 χ^2/NDF: 37.9/41

All: 86.314+/-243.282 χ^2/NDF: 85.6/84

- sign -178.401+/-343.548 χ^2/NDF: 46.5/42

eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1850.466+/-0.474 χ^2/NDF: 681138.3/17

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

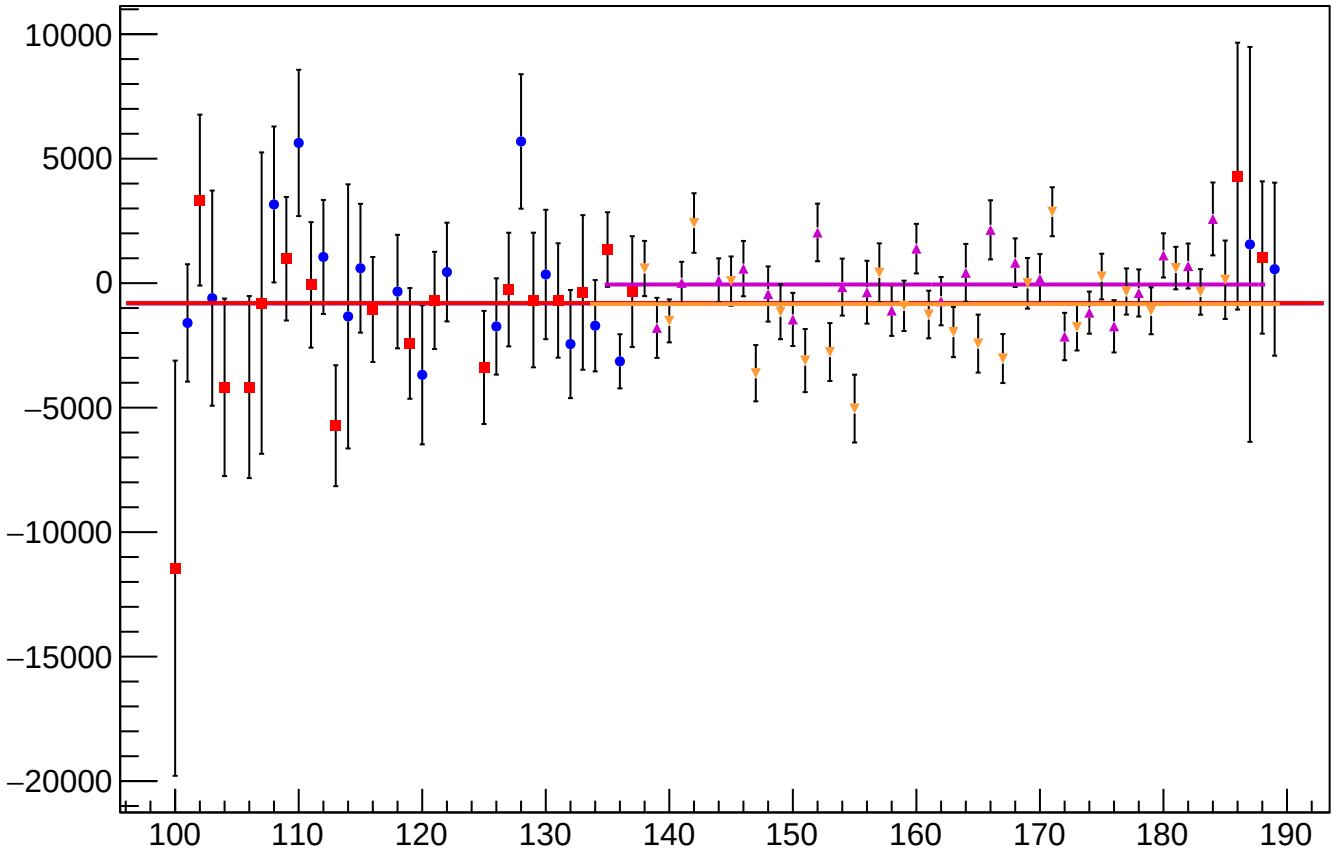
Right Out: 1888.823+/-0.460 χ^2/NDF: 261458.0/19

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1762.459+/-0.244 χ^2/NDF: 728975.8/41

All: 1769.500+/-0.172 χ^2/NDF: 1077119.3/84

- sign 1776.500+/-0.243 χ^2/NDF: 346478.2/42



Right In: -812.331+/-541.725 χ^2/NDF: 20.9/17

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

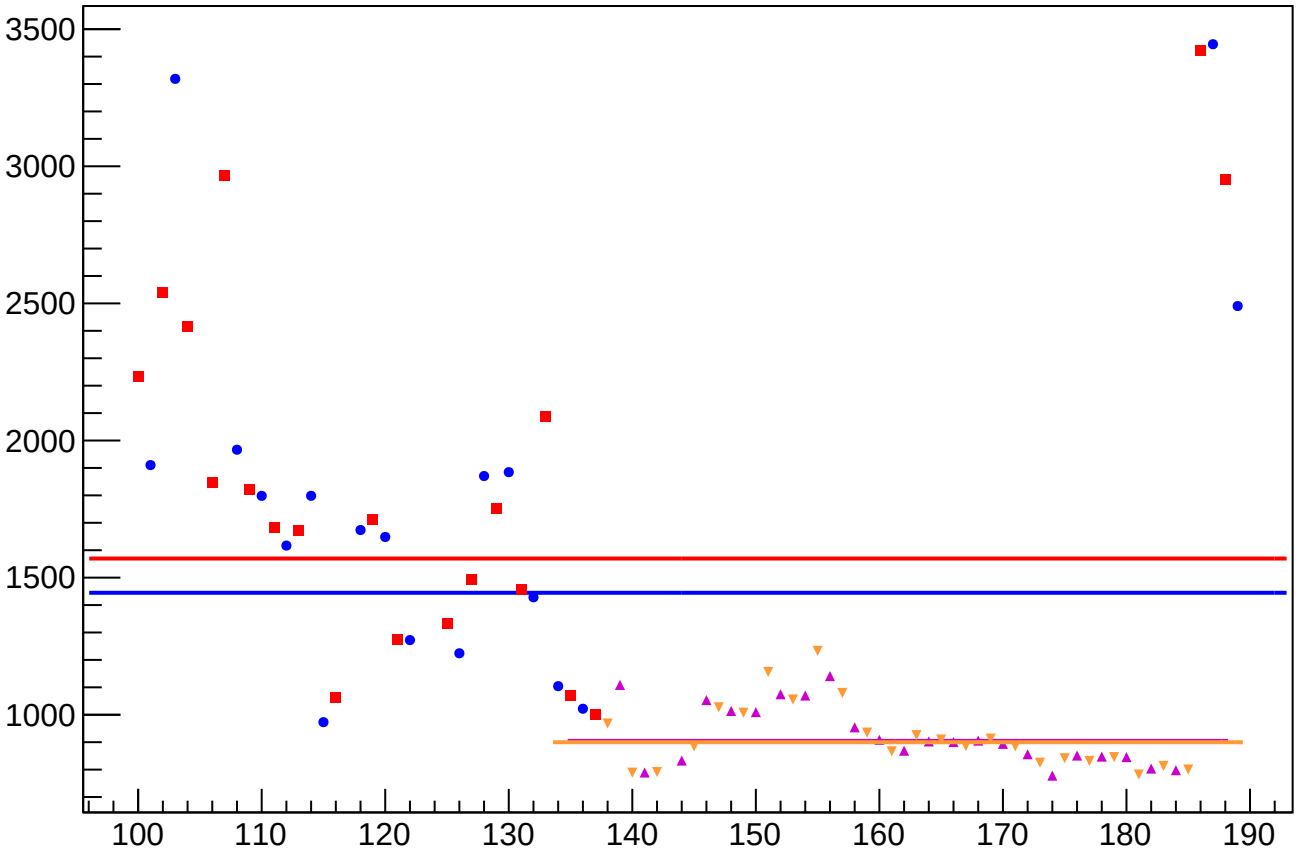
Right Out: -799.580+/-571.208 χ^2/NDF: 14.8/19

Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

\+ sign -838.507+/-196.493 χ^2/NDF: 83.6/41

All: -497.065+/-140.009 χ^2/NDF: 136.7/84

\- sign -144.927+/-199.548 χ^2/NDF: 47.0/42



Right In: 1444.808+/-0.383 χ^2/NDF: 1483899.2/17

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1569.680+/-0.404 χ^2/NDF: 1695116.5/19

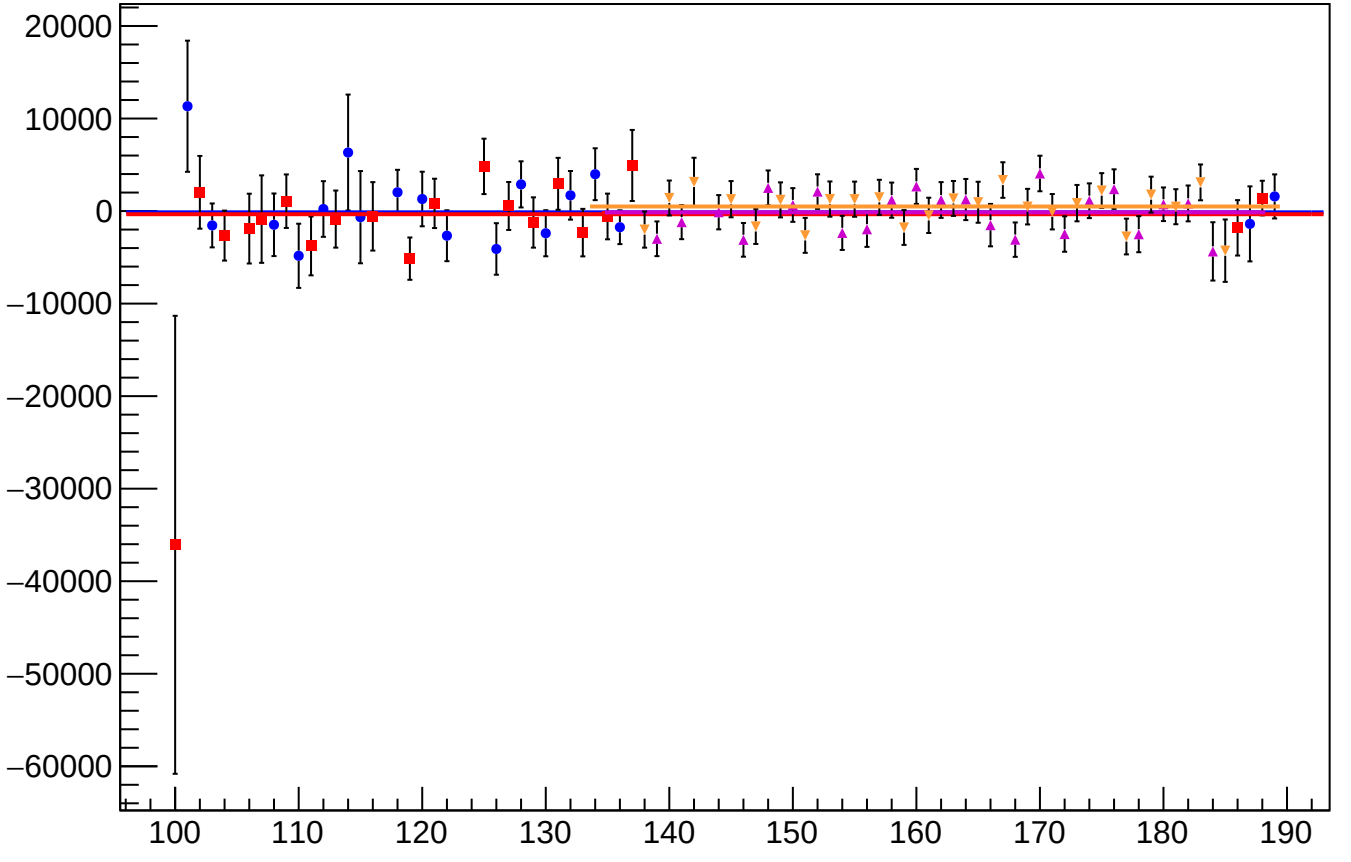
Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

\+ sign 971.516+/-0.139 χ^2/NDF: 3737068.8/41

All: 978.554+/-0.099 χ^2/NDF: 8269750.8/84

\- sign 985.813+/-0.141 χ^2/NDF: 4527469.6/42

dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -137.534+/-671.004 χ^2/NDF: 16.3/17

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: -339.388+/-652.197 χ^2/NDF: 17.6/19

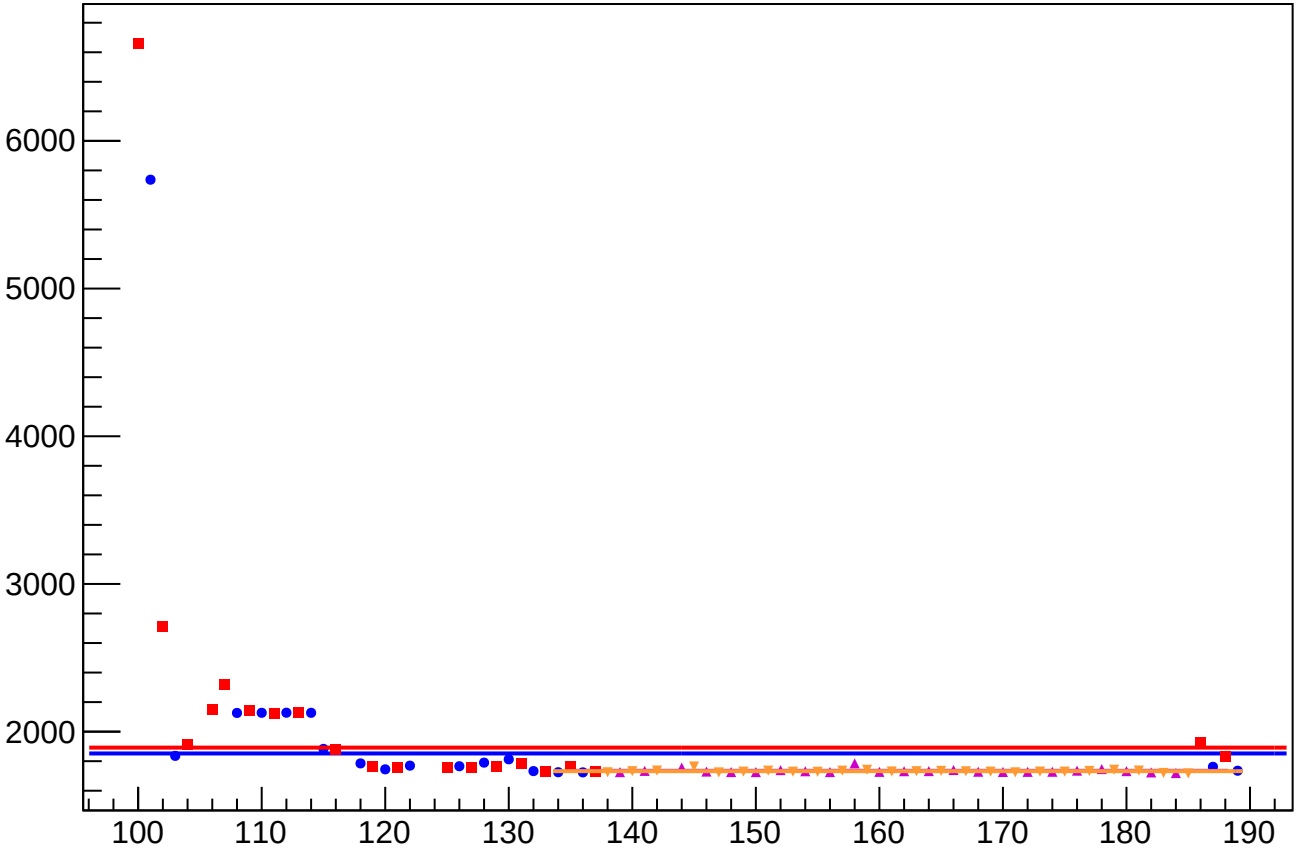
Left In: -137.162+/-404.995 χ^2/NDF:29.6/22

+ sign 327.815+/-344.892 χ^2/NDF: 37.0/41

All: 66.555+/-243.580 χ^2/NDF: 85.3/84

- sign -193.440+/-344.056 χ^2/NDF: 47.2/42

dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1852.274+/-0.474 χ^2/NDF: 681494.7/17

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

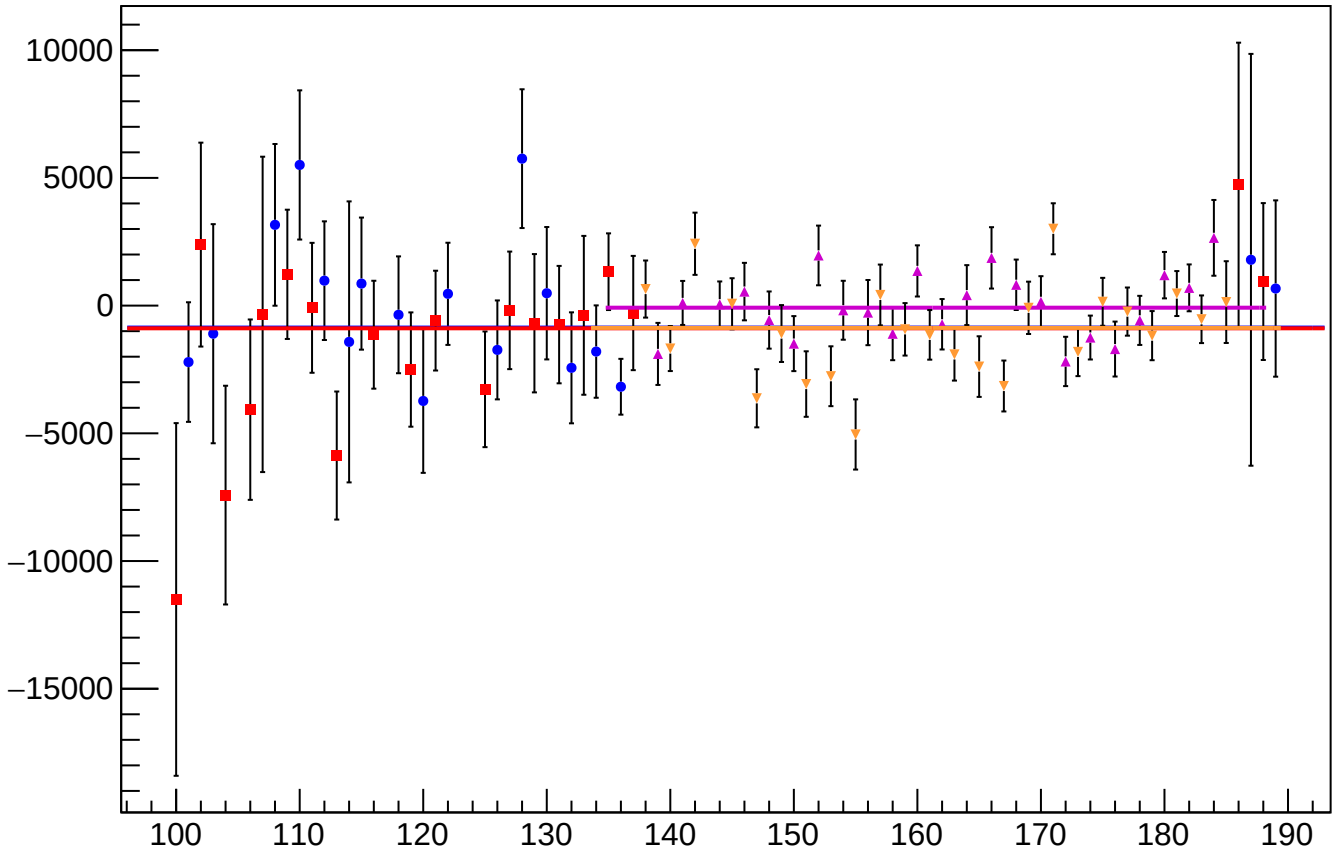
Right Out: 1891.846+/-0.461 χ^2/NDF: 271573.5/19

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1764.061+/-0.244 χ^2/NDF: 729381.6/41

All: 1771.217+/-0.172 χ^2/NDF: 1088828.4/84

- sign 1778.338+/-0.243 χ^2/NDF: 357729.3/42



Right In: -859.637+/-542.718 χ^2/NDF: 21.3/17

Left Out: -872.827+/-214.008 χ^2/NDF:62.0/23

Right Out: -888.822+/-577.784 χ^2/NDF: 16.4/19

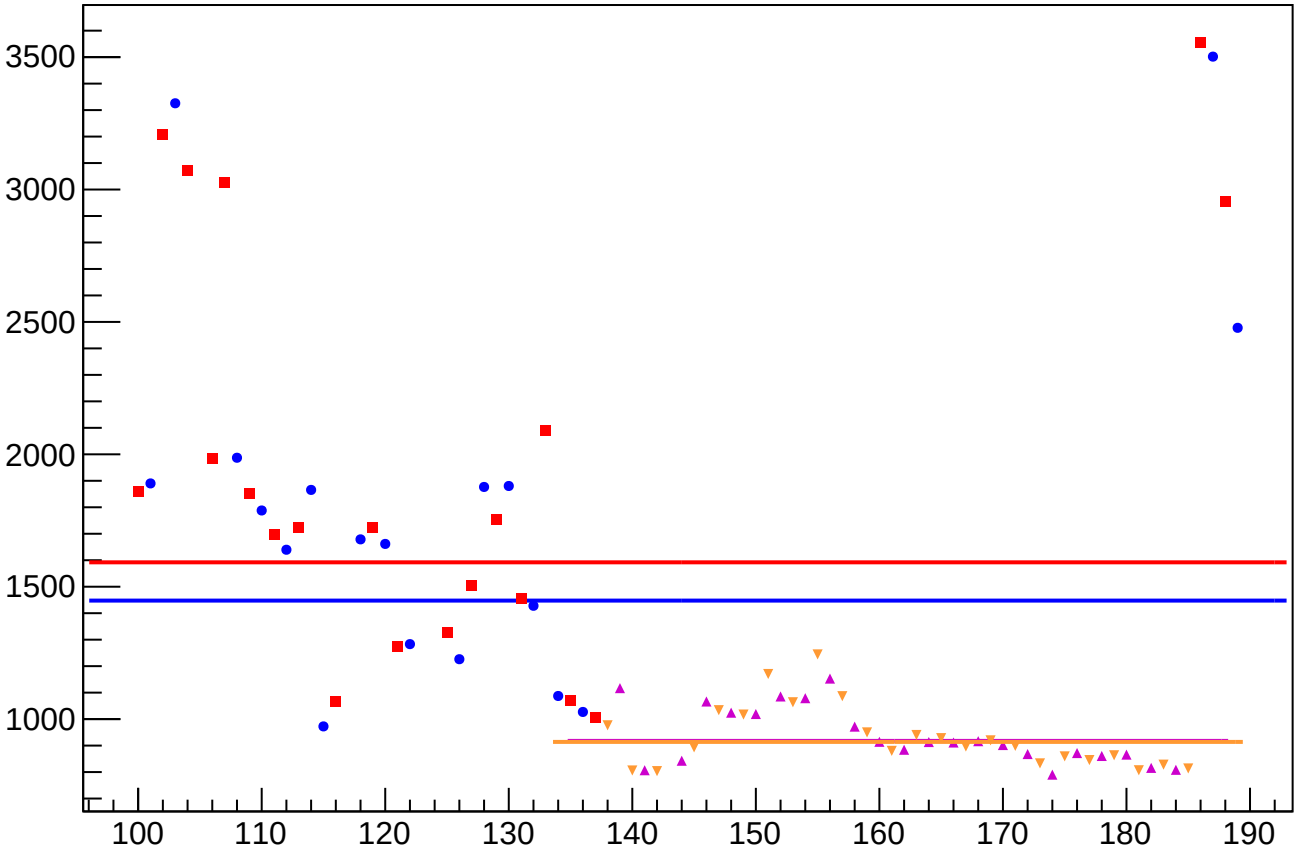
Left In: -81.519+/-215.913 χ^2/NDF:30.0/22

+ sign -871.052+/-199.088 χ^2/NDF: 83.3/41

All: -531.192+/-141.882 χ^2/NDF: 137.3/84

- sign -180.441+/-202.253 χ^2/NDF: 48.0/42

asym_us_dd_at1lr_dd_dd_dit_correction_rms vs Slug



Right In: 1447.578+/-0.384 χ^2/NDF: 1494259.1/17

Left Out: 913.899+/-0.151 χ^2/NDF:462850.2/23

Right Out: 1592.088+/-0.409 χ^2/NDF: 2033597.8/19

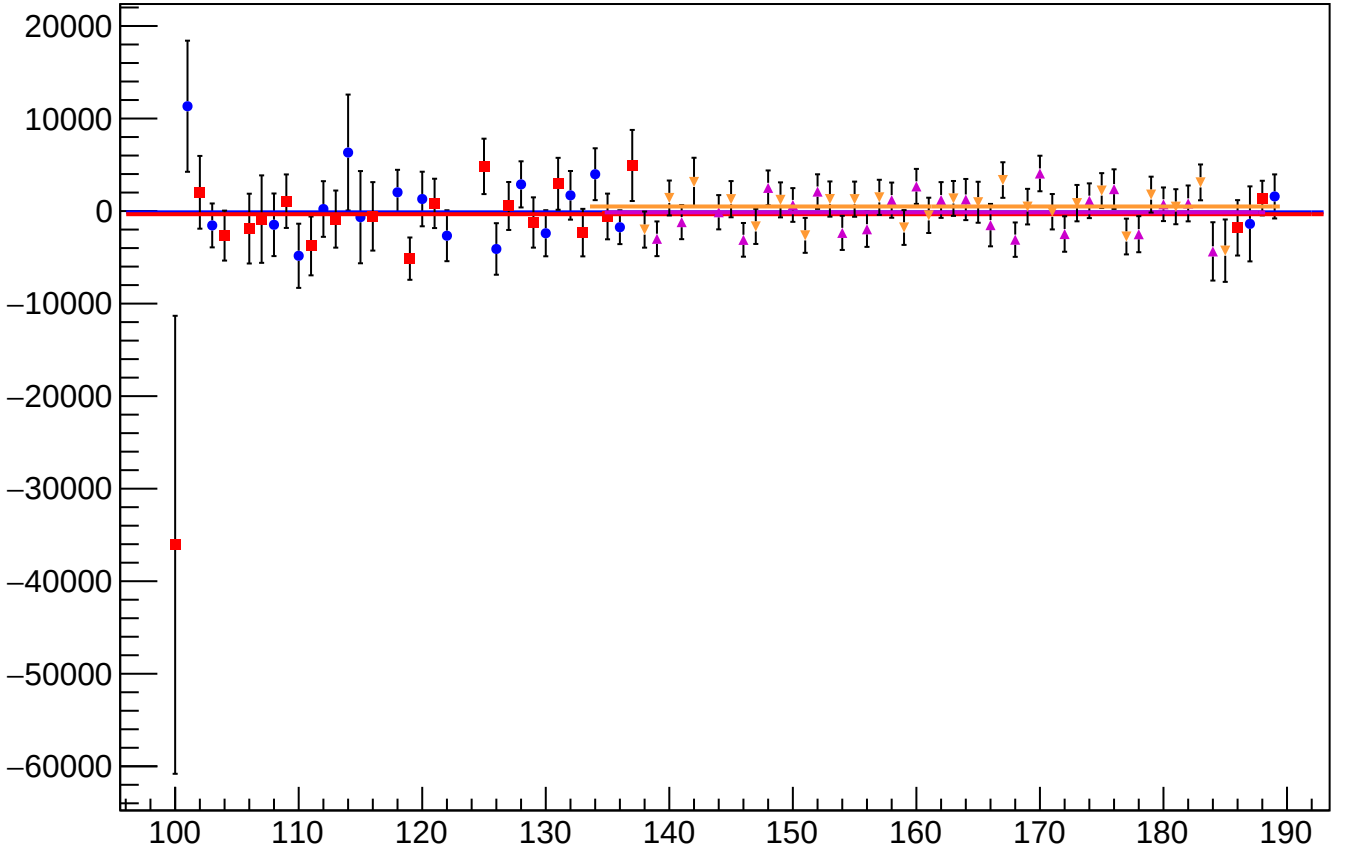
Left In: 917.674+/-0.153 χ^2/NDF:430498.5/22

\+ sign 985.715+/-0.141 χ^2/NDF: 3630797.9/41

All: 992.899+/-0.100 χ^2/NDF: 8491198.5/84

\- sign 1000.313+/-0.143 χ^2/NDF: 4855108.9/42

eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -137.533+/-671.004 χ^2/NDF: 16.3/17

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: -339.388+/-652.197 χ^2/NDF: 17.6/19

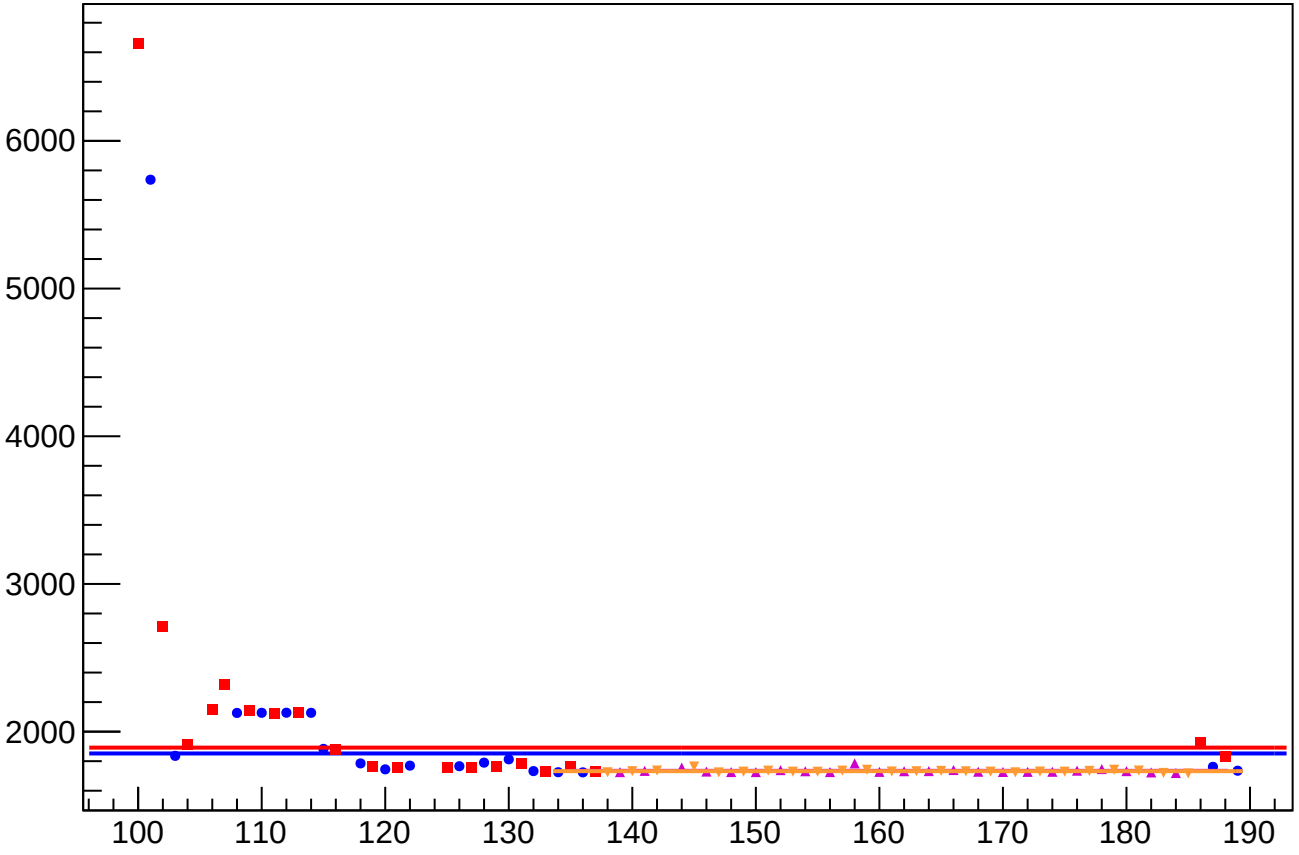
Left In: -137.163+/-404.995 χ^2/NDF:29.6/22

+ sign 327.815+/-344.892 χ^2/NDF: 37.0/41

All: 66.555+/-243.580 χ^2/NDF: 85.3/84

- sign -193.441+/-344.056 χ^2/NDF: 47.2/42

eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1852.274+/-0.474 χ^2/NDF: 681494.7/17

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

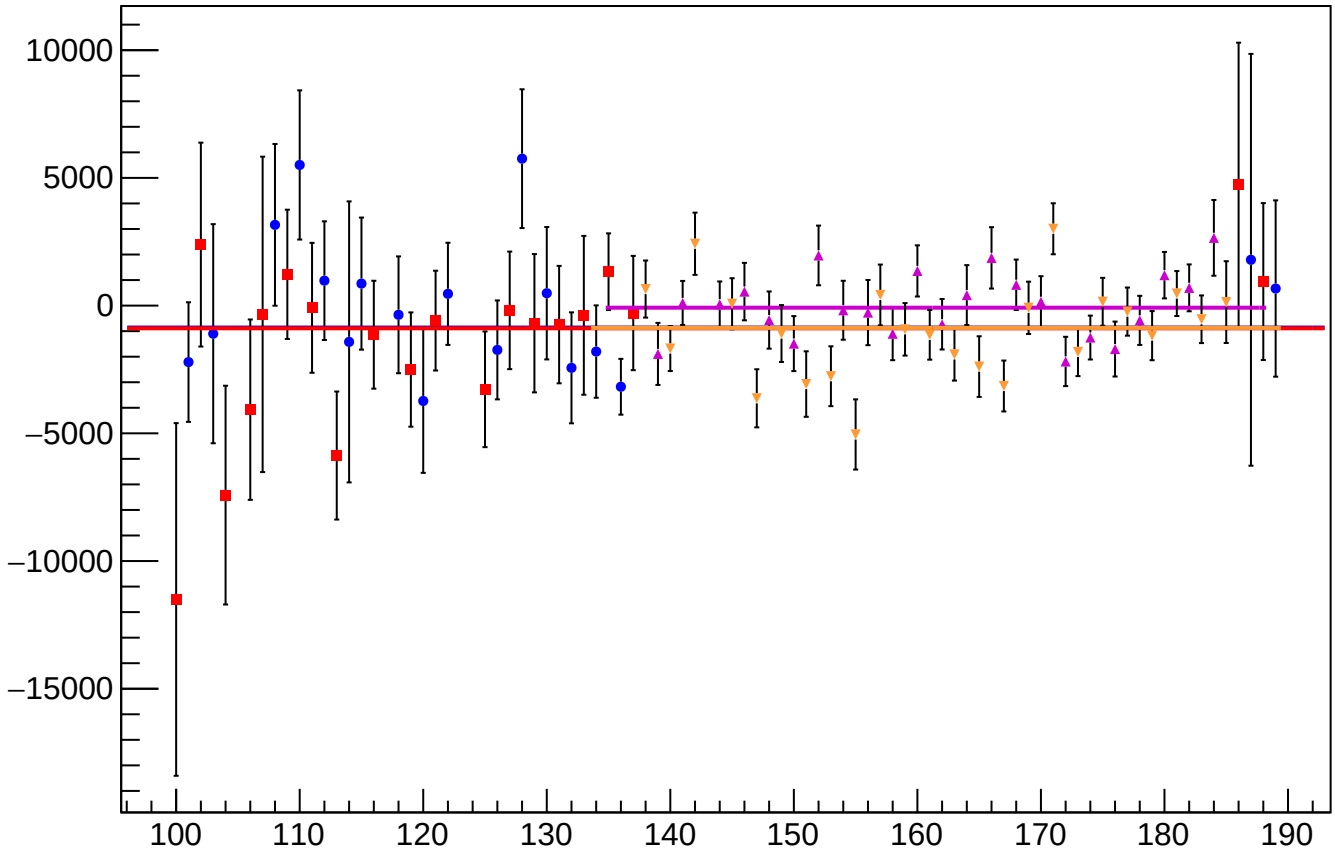
Right Out: 1891.846+/-0.461 χ^2/NDF: 271573.3/19

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1764.061+/-0.244 χ^2/NDF: 729381.6/41

All: 1771.217+/-0.172 χ^2/NDF: 1088828.1/84

- sign 1778.337+/-0.243 χ^2/NDF: 357729.0/42



Right In: -859.633+/-542.717 χ^2/NDF: 21.3/17

Left Out: -872.826+/-214.008 χ^2/NDF:62.0/23

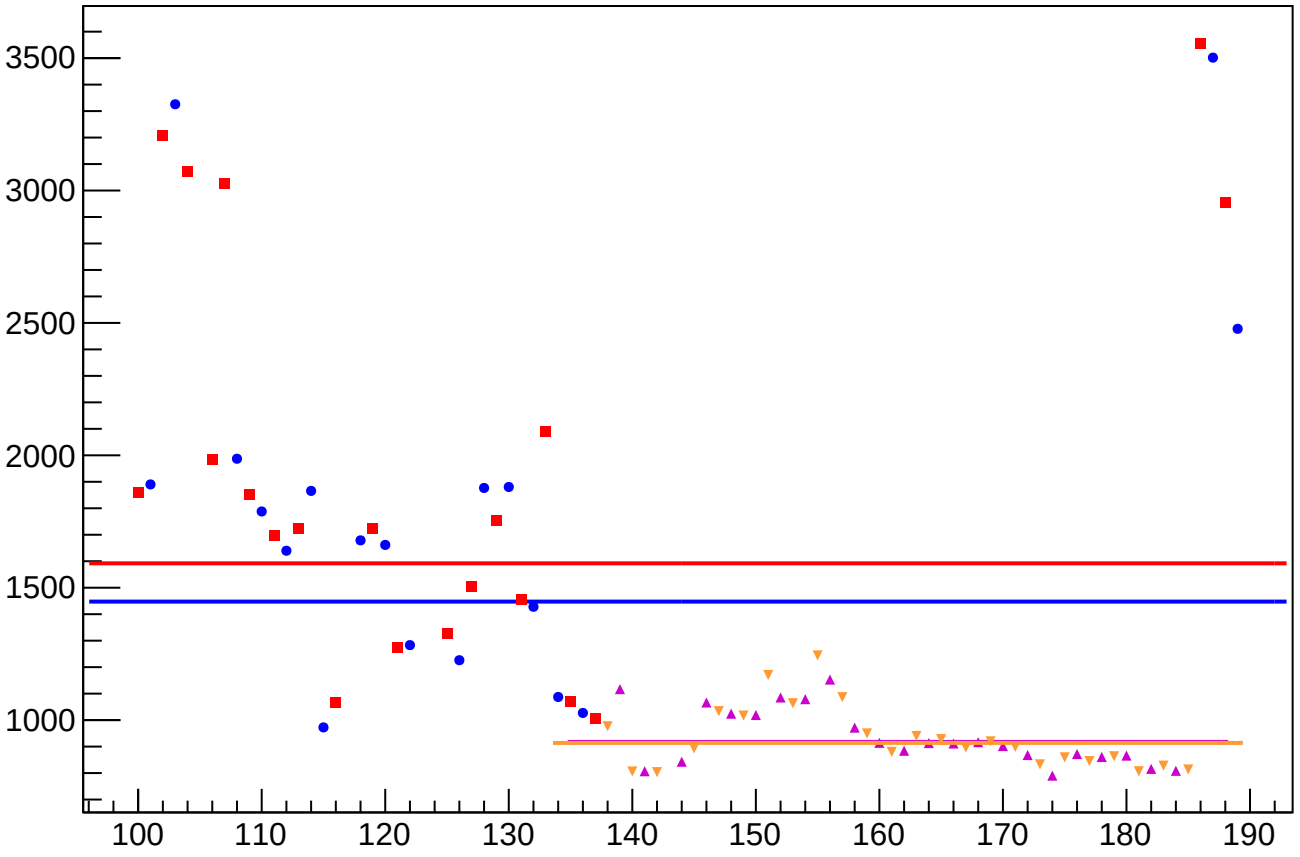
Right Out: -888.820+/-577.783 χ^2/NDF: 16.4/19

Left In: -81.518+/-215.913 χ^2/NDF:30.0/22

+ sign -871.051+/-199.088 χ^2/NDF: 83.3/41

All: -531.190+/-141.882 χ^2/NDF: 137.3/84

- sign -180.440+/-202.253 χ^2/NDF: 48.0/42



Right In: 1447.575+/-0.384 χ^2/NDF: 1494260.6/17

Left Out: 913.898+/-0.151 χ^2/NDF:462858.6/23

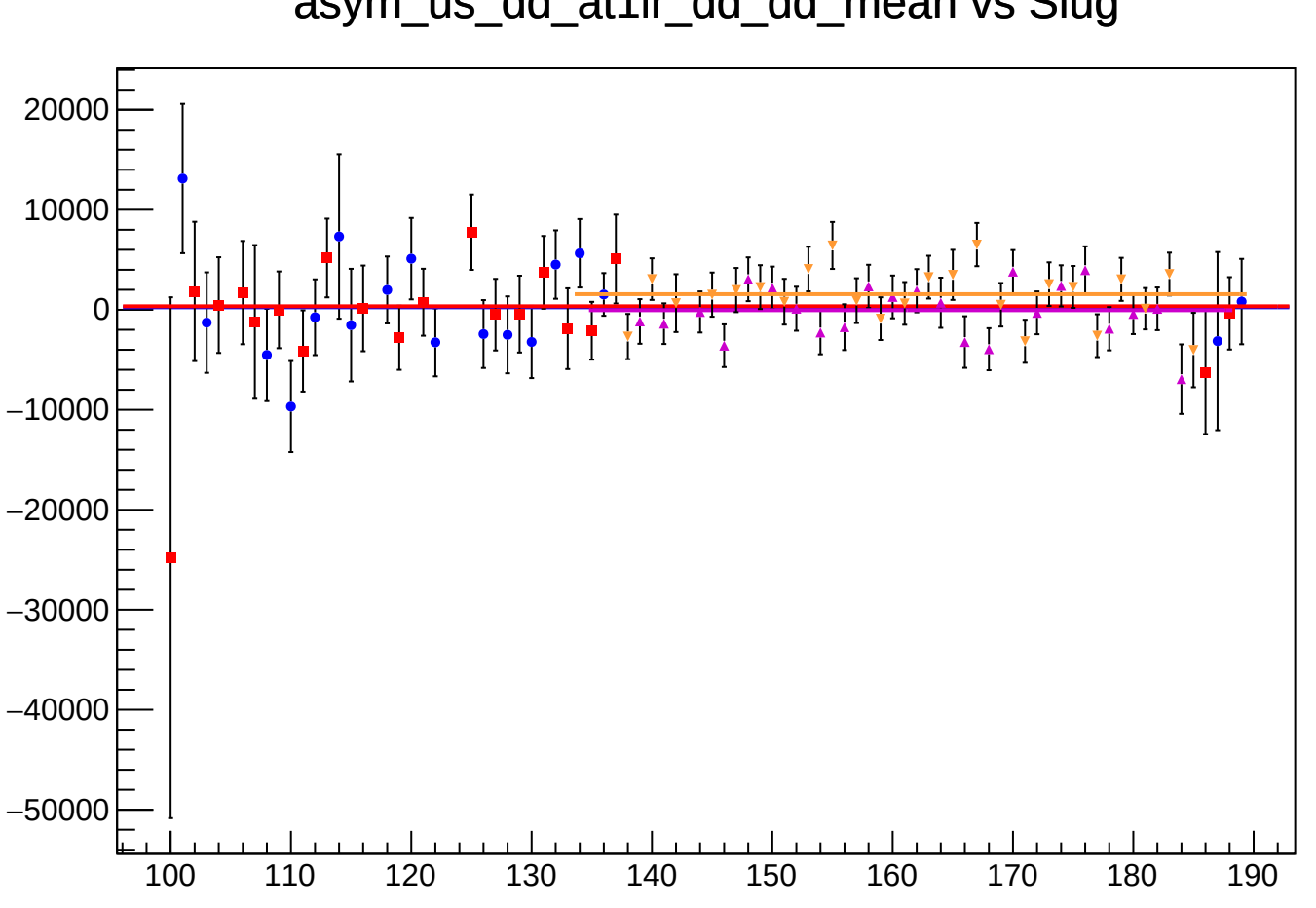
Right Out: 1592.085+/-0.409 χ^2/NDF: 2033603.1/19

Left In: 917.674+/-0.153 χ^2/NDF:430509.1/22

\+ sign 985.714+/-0.141 χ^2/NDF: 3630795.5/41

All: 992.898+/-0.100 χ^2/NDF: 8491202.6/84

\- sign 1000.312+/-0.143 χ^2/NDF: 4855115.5/42



Right In: 254.157+/-914.982 χ^2/NDF: 19.2/17

Left Out: 1561.357+/-456.883 χ^2/NDF:31.2/23

Right Out: 349.855+/-920.151 χ^2/NDF: 13.0/19

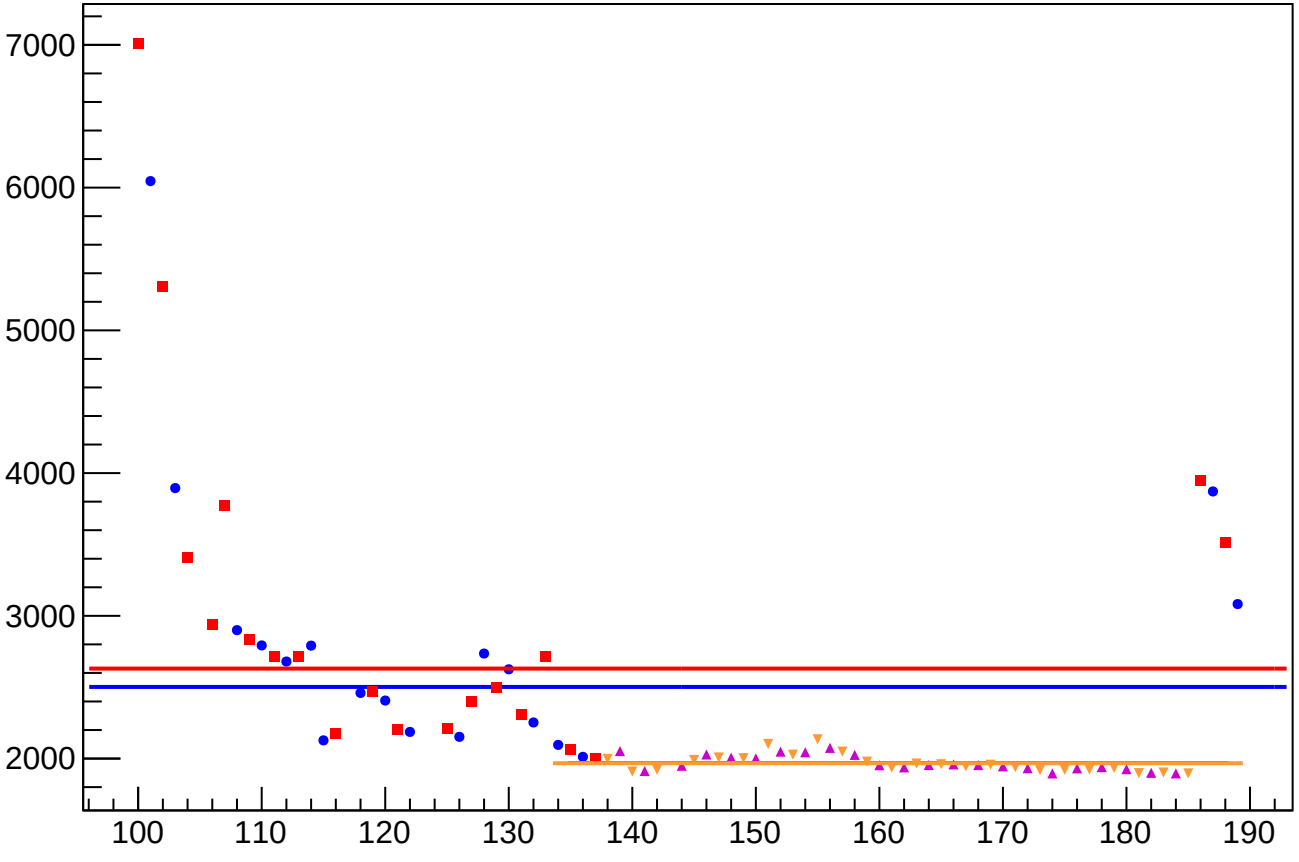
Left In: -39.885+/-459.938 χ^2/NDF:27.8/22

\+ sign 1300.473+/-408.757 χ^2/NDF: 52.1/41

All: 673.326+/-289.967 χ^2/NDF: 97.7/84

\- sign 38.026+/-411.405 χ^2/NDF: 40.9/42

asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 2501.913+/-0.647 χ^2/NDF: 921415.5/17

Left Out: 1967.416+/-0.323 χ^2/NDF:34217.6/23

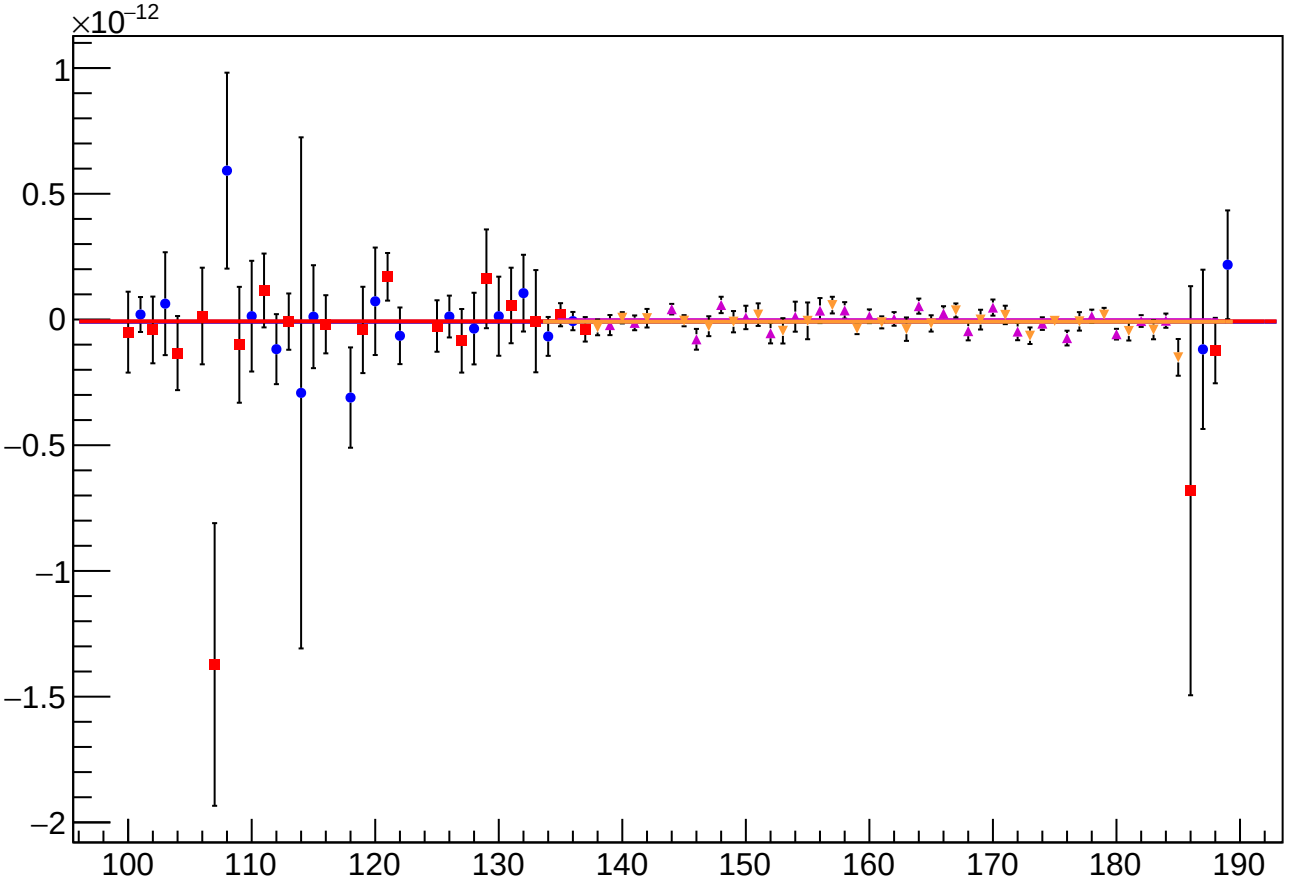
Right Out: 2630.477+/-0.651 χ^2/NDF: 903244.6/19

Left In: 1969.022+/-0.325 χ^2/NDF:26523.0/22

+ sign 2074.088+/-0.289 χ^2/NDF: 1501915.1/41

All: 2087.581+/-0.205 χ^2/NDF: 3262977.7/84

- sign 2101.251+/-0.291 χ^2/NDF: 1756675.2/42



Right In: -0.000+/-0.000 χ^2/NDF: 8.5/17

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/23

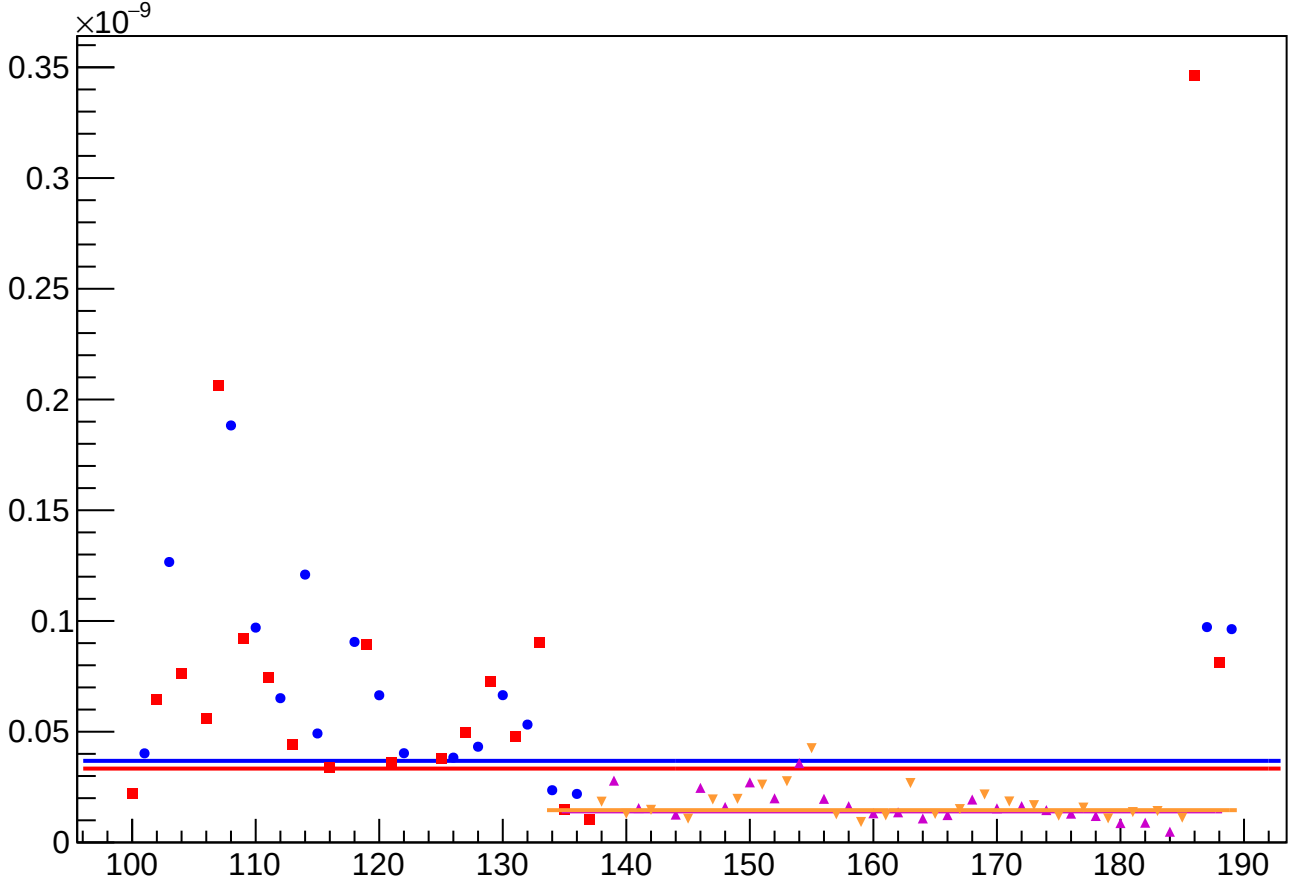
Right Out: -0.000+/-0.000 χ^2/NDF: 14.7/19

Left In: -0.000+/-0.000 χ^2/NDF:38.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 29.3/41

All: -0.000+/-0.000 χ^2/NDF: 83.5/84

- sign -0.000+/-0.000 χ^2/NDF: 53.7/42



Right In: 0.000+/-0.000 χ^2/NDF: 1848417.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:1178225.5/23

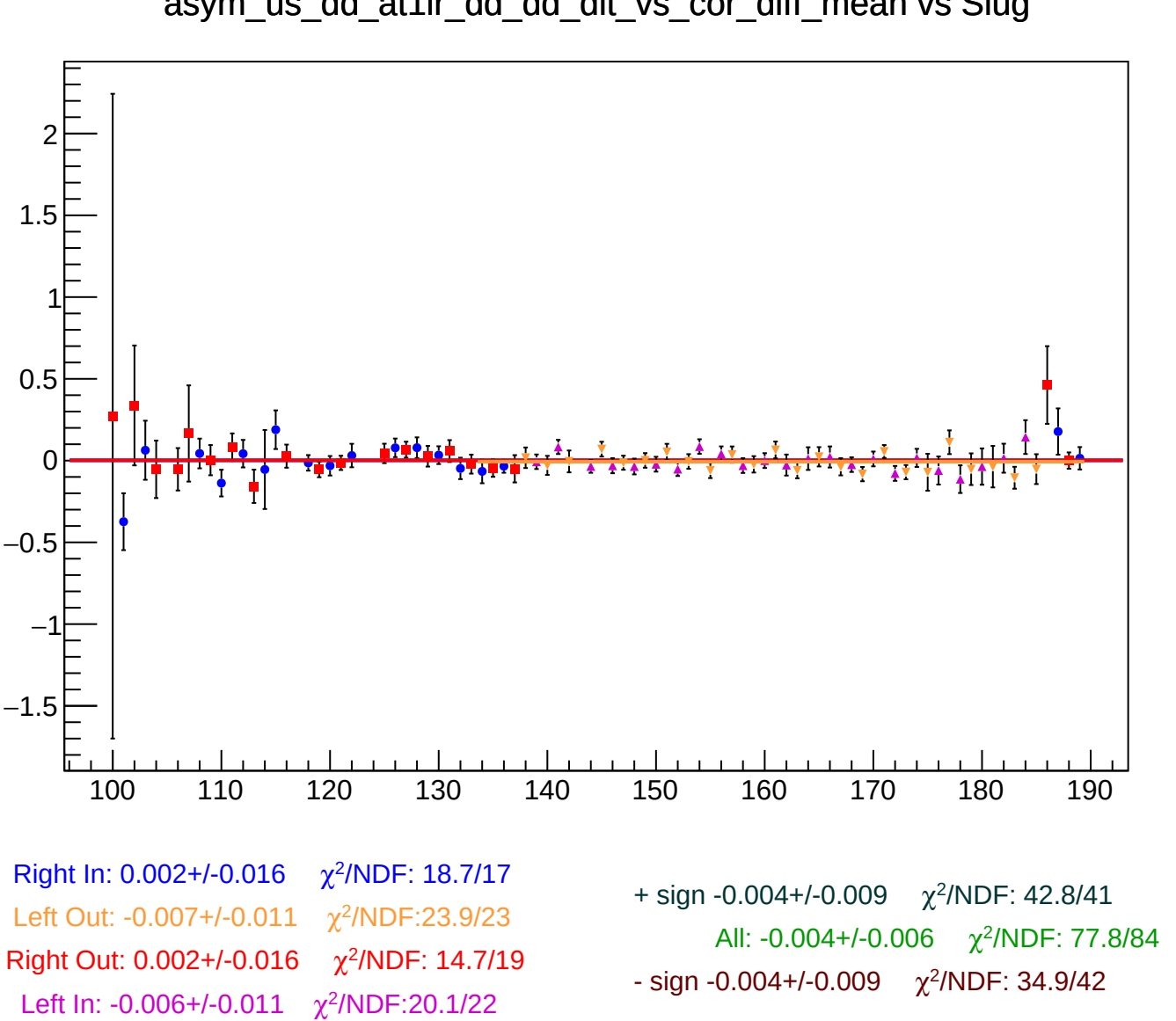
Right Out: 0.000+/-0.000 χ^2/NDF: 2647881.8/19

Left In: 0.000+/-0.000 χ^2/NDF:1430937.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 4594022.3/41

All: 0.000+/-0.000 χ^2/NDF: 9905922.8/84

- sign 0.000+/-0.000 χ^2/NDF: 5296668.5/42


asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs Slug
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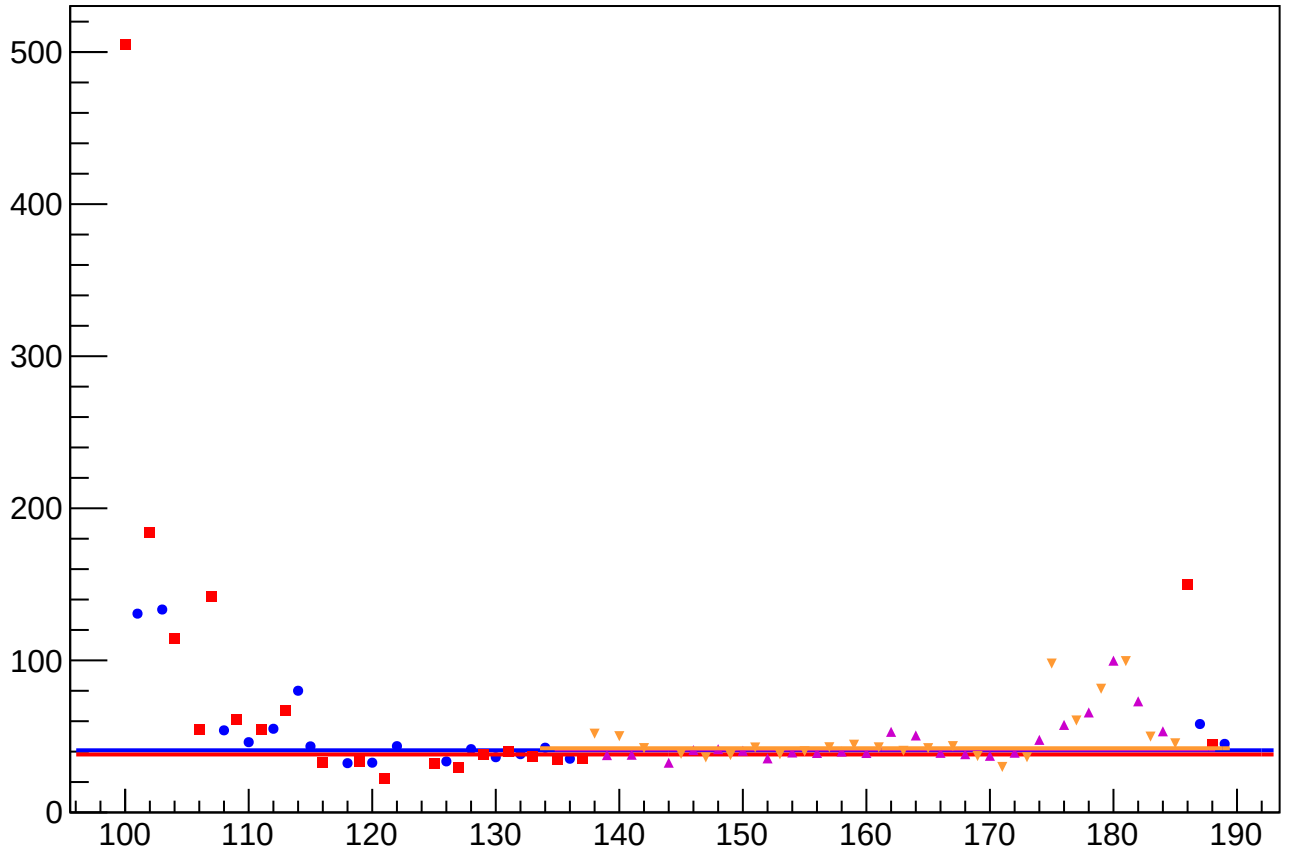
170
180
190
Right In: 0.002+/-0.016 χ²/NDF: 18.7/17
Left Out: -0.007+/-0.011 χ²/NDF:23.9/23
Right Out: 0.002+/-0.016 χ²/NDF: 14.7/19
Left In: -0.006+/-0.011 χ²/NDF:20.1/22
+ sign -0.004+/-0.009 χ²/NDF: 42.8/41
All: -0.004+/-0.006 χ²/NDF: 77.8/84
- sign -0.004+/-0.009 χ²/NDF: 34.9/42



Right In: 40.866+/-0.012 χ^2/NDF: 1449342.6/17

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

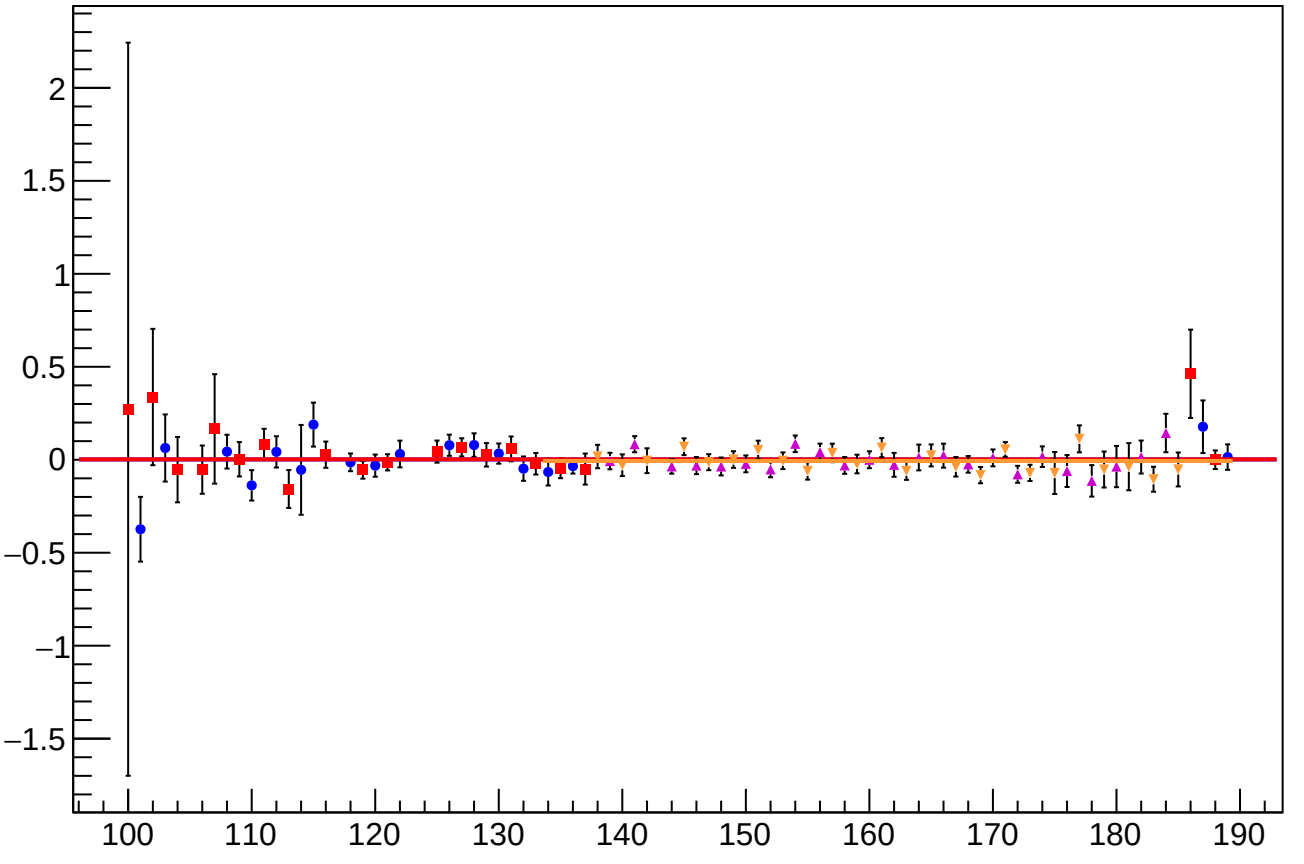
Right Out: 38.127+/-0.011 χ^2/NDF: 2329962.4/19

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

\+ sign 41.798+/-0.006 χ^2/NDF: 3277945.4/41

All: 41.070+/-0.004 χ^2/NDF: 7104643.9/84

\- sign 40.377+/-0.006 χ^2/NDF: 3801717.6/42



Right In: 0.002+/-0.016 χ^2/NDF: 18.7/17

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

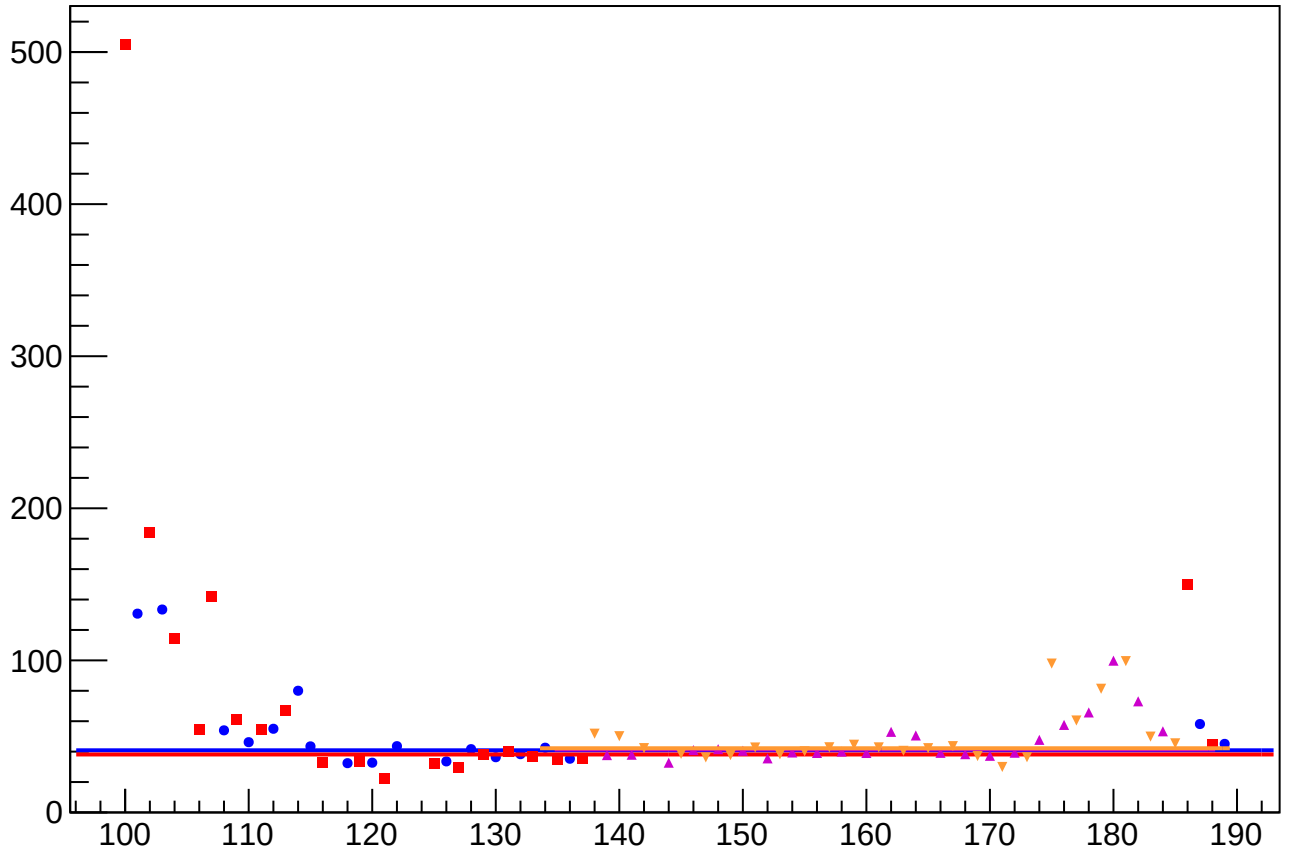
Right Out: 0.002+/-0.016 χ^2/NDF: 14.7/19

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign -0.004+/-0.009 χ^2/NDF: 42.8/41

All: -0.004+/-0.006 χ^2/NDF: 77.8/84

- sign -0.004+/-0.009 χ^2/NDF: 34.9/42



Right In: 40.866+/-0.012 χ^2/NDF: 1449342.6/17

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

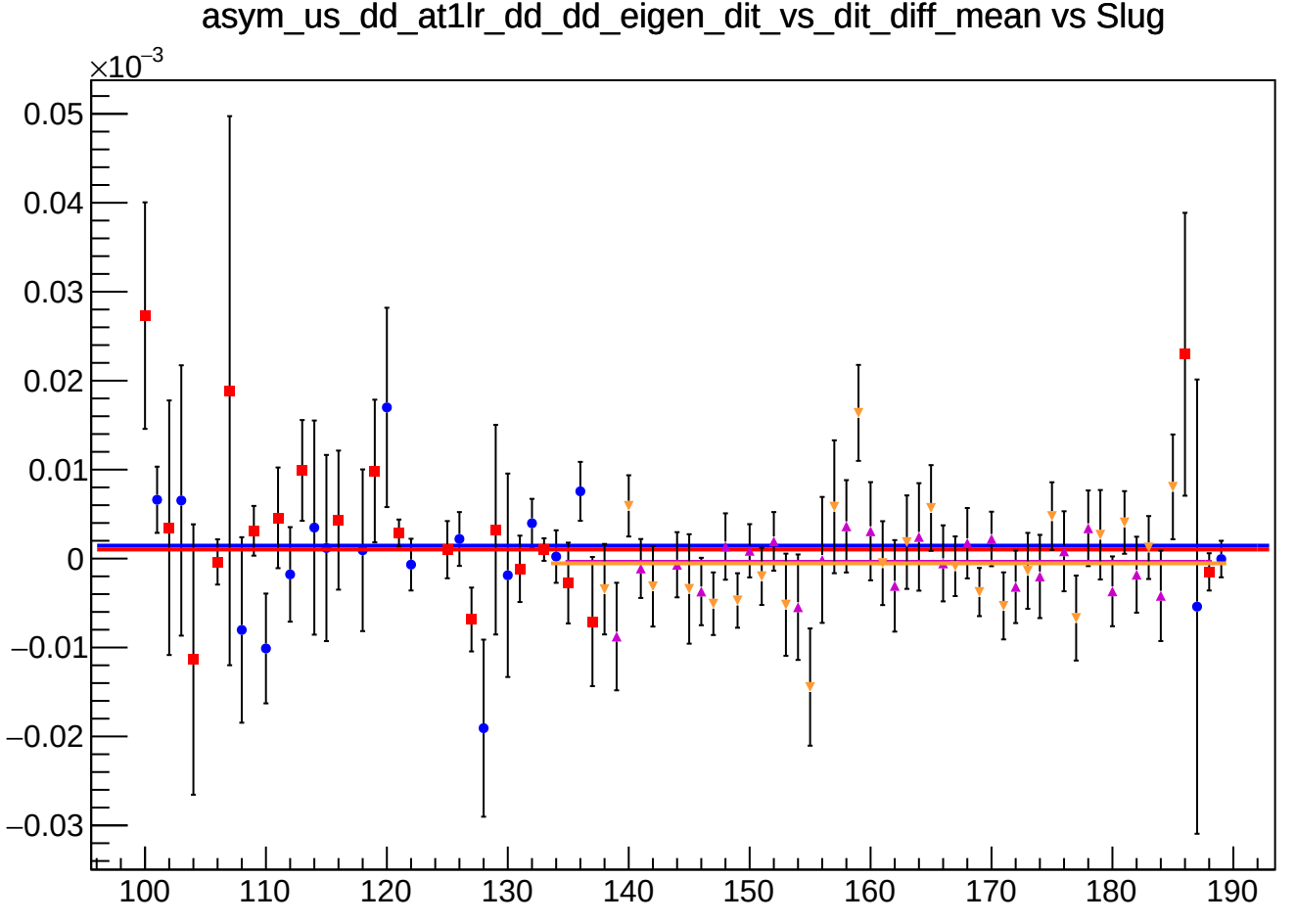
Right Out: 38.127+/-0.011 χ^2/NDF: 2329962.4/19

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

\+ sign 41.798+/-0.006 χ^2/NDF: 3277945.4/41

All: 41.070+/-0.004 χ^2/NDF: 7104643.9/84

\- sign 40.377+/-0.006 χ^2/NDF: 3801717.6/42



Right In: 0.000+/-0.000 χ^2/NDF: 18.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:36.8/23

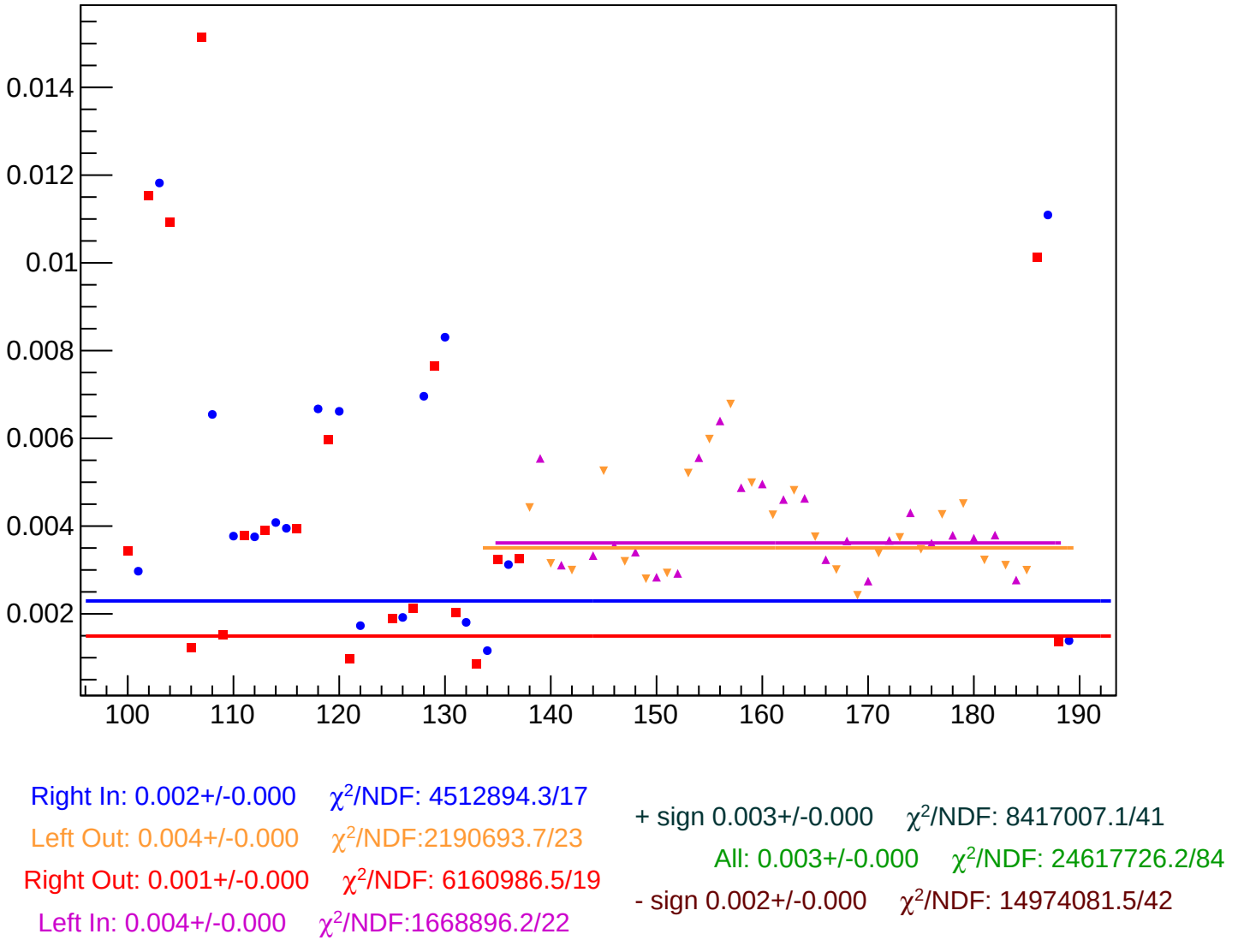
Right Out: 0.000+/-0.000 χ^2/NDF: 22.4/19

Left In: -0.000+/-0.000 χ^2/NDF:9.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.8/41

All: 0.000+/-0.000 χ^2/NDF: 91.4/84

- sign 0.000+/-0.000 χ^2/NDF: 33.6/42


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug
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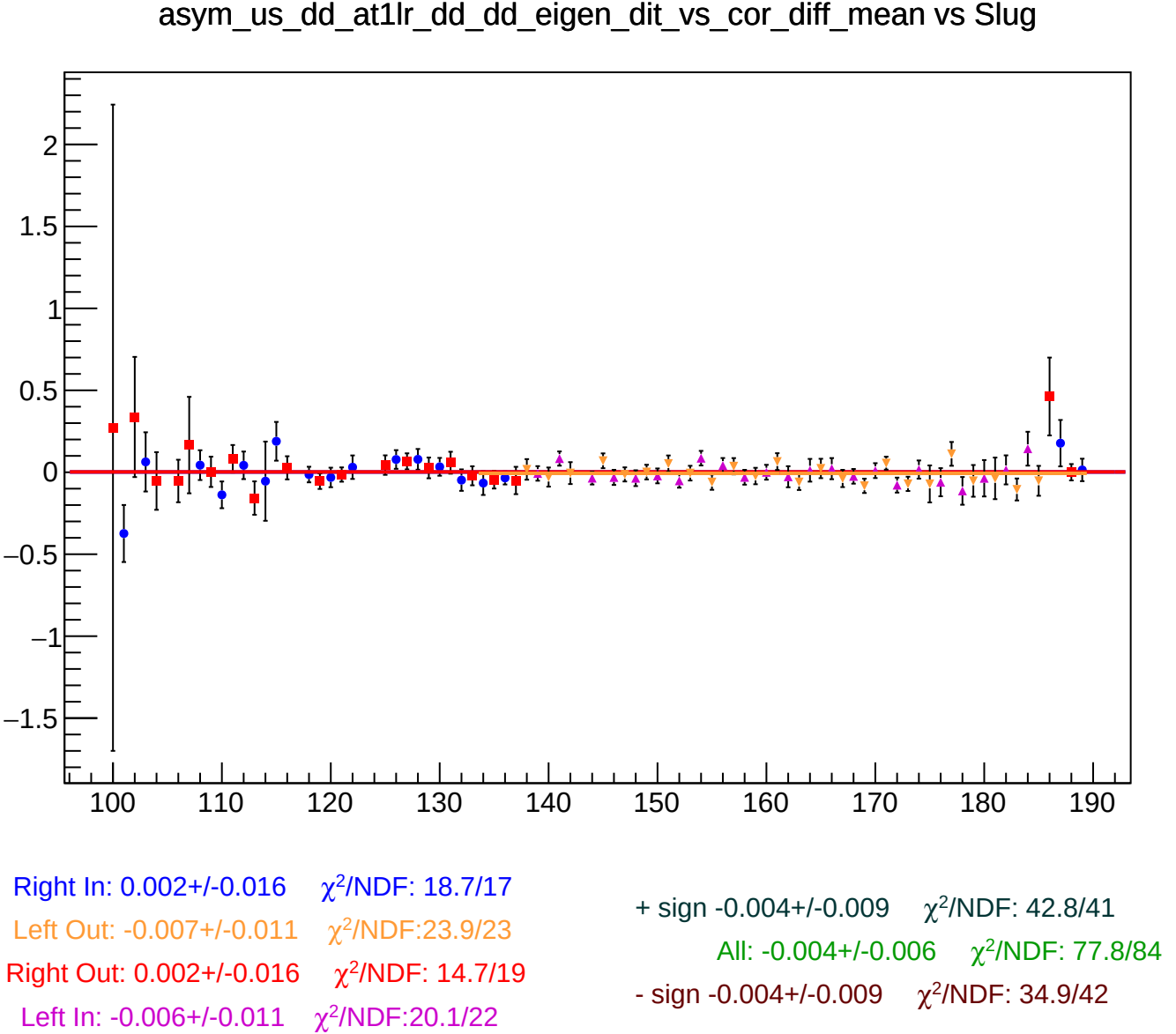
Right In: 0.002+/-0.000 χ²/NDF: 4512894.3/17
Left Out: 0.004+/-0.000 χ²/NDF:2190693.7/23
Right Out: 0.001+/-0.000 χ²/NDF: 6160986.5/19
Left In: 0.004+/-0.000 χ²/NDF:1668896.2/22
+ sign 0.003+/-0.000 χ²/NDF: 8417007.1/41
All: 0.003+/-0.000 χ²/NDF: 24617726.2/84
- sign 0.002+/-0.000 χ²/NDF: 14974081.5/42


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug
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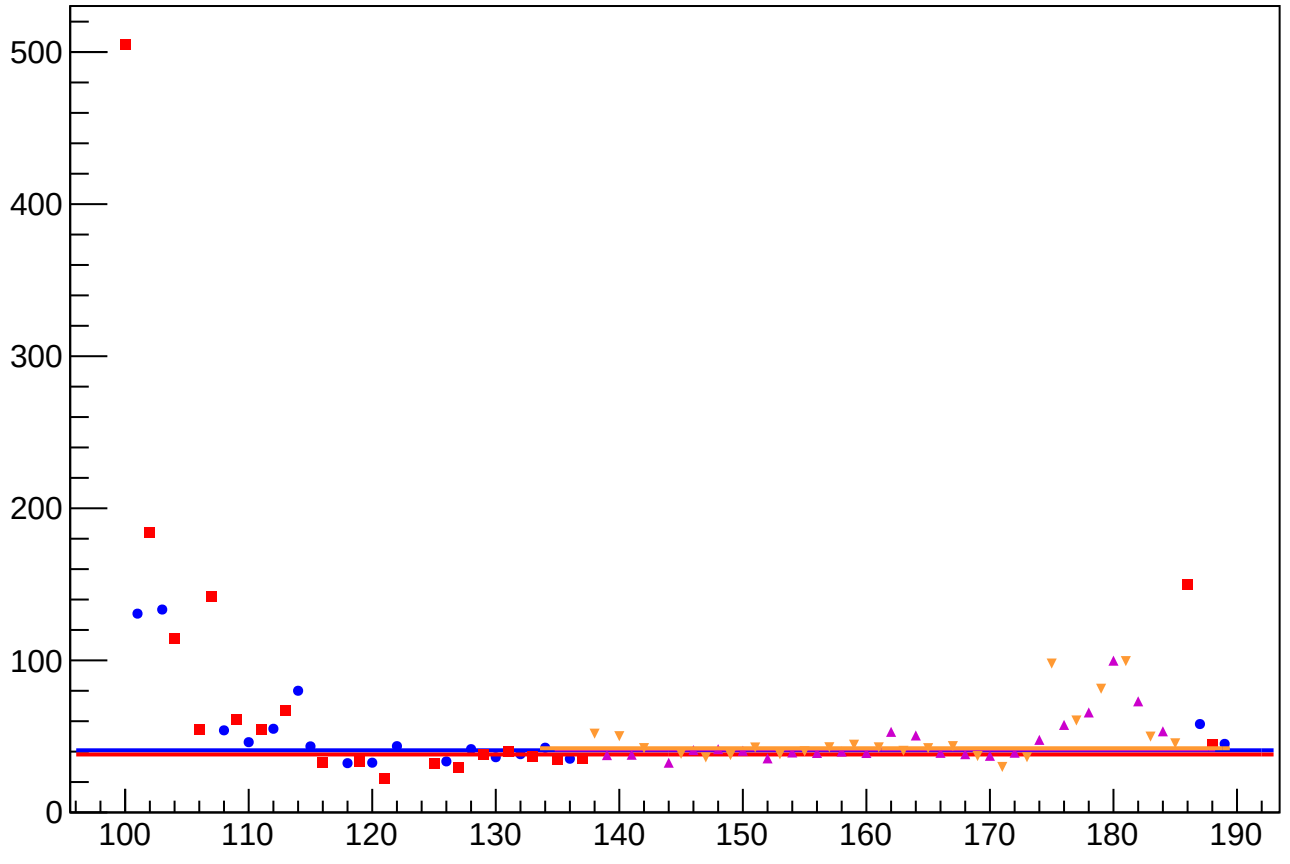
Right In: 0.002+/-0.016 χ²/NDF: 18.7/17
Left Out: -0.007+/-0.011 χ²/NDF:23.9/23
Right Out: 0.002+/-0.016 χ²/NDF: 14.7/19
Left In: -0.006+/-0.011 χ²/NDF:20.1/22
+ sign -0.004+/-0.009 χ²/NDF: 42.8/41
All: -0.004+/-0.006 χ²/NDF: 77.8/84
- sign -0.004+/-0.009 χ²/NDF: 34.9/42



Right In: 40.866+/-0.012 χ^2/NDF: 1449217.9/17

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

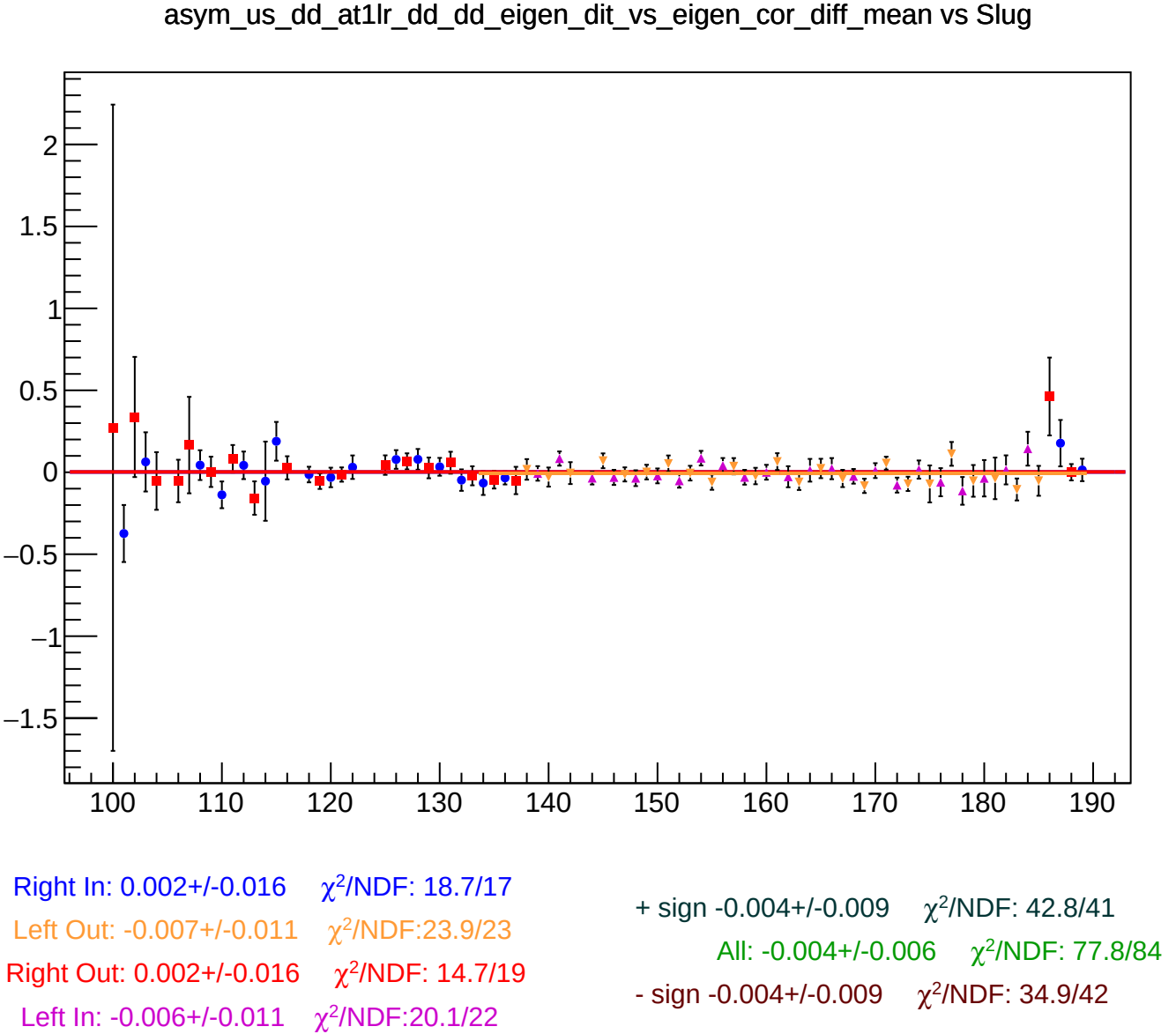
Right Out: 38.126+/-0.011 χ^2/NDF: 2329959.0/19

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

\+ sign 41.798+/-0.006 χ^2/NDF: 3277817.4/41

All: 41.070+/-0.004 χ^2/NDF: 7104491.4/84

\- sign 40.376+/-0.006 χ^2/NDF: 3801680.0/42


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
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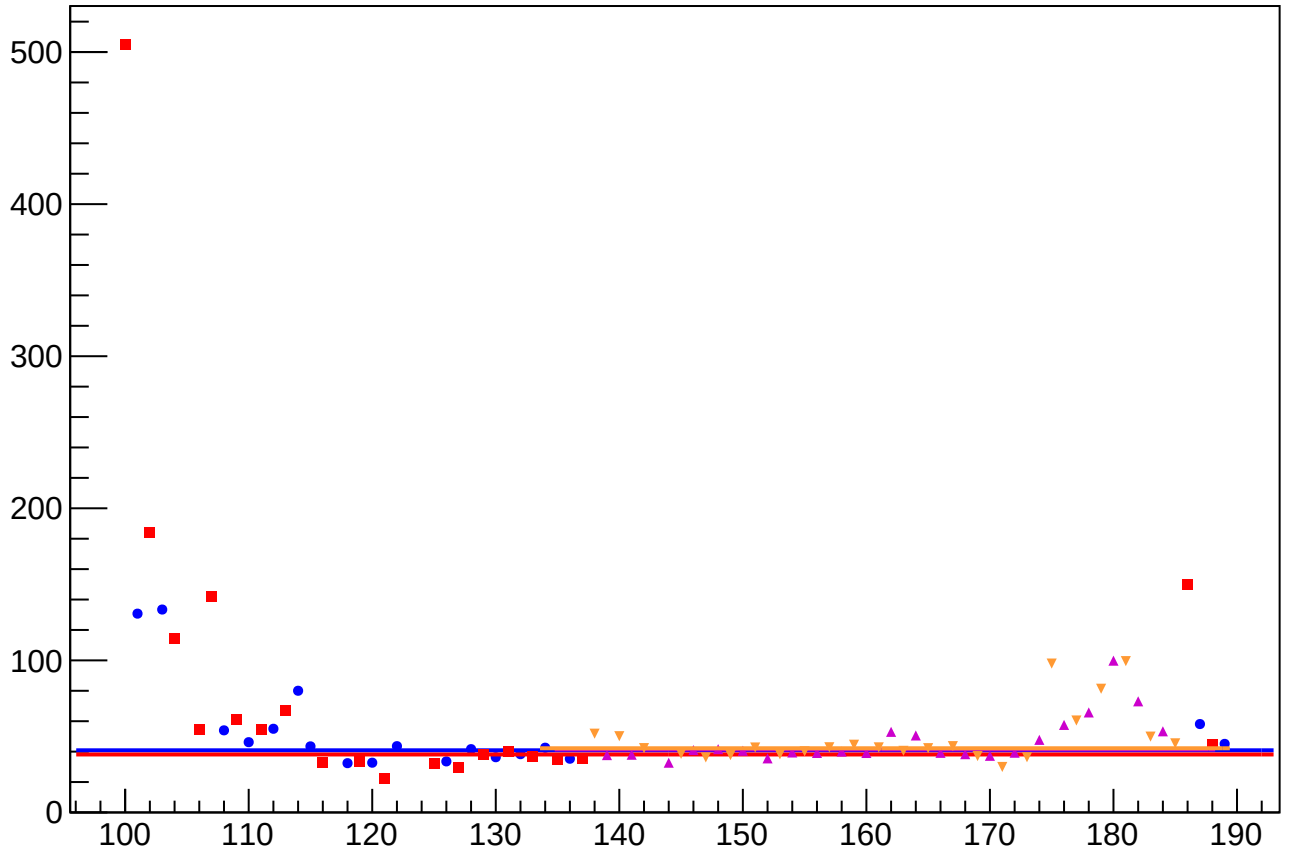
Right In: 0.002+/-0.016 χ²/NDF: 18.7/17
Left Out: -0.007+/-0.011 χ²/NDF:23.9/23
Right Out: 0.002+/-0.016 χ²/NDF: 14.7/19
Left In: -0.006+/-0.011 χ²/NDF:20.1/22
+ sign -0.004+/-0.009 χ²/NDF: 42.8/41
All: -0.004+/-0.006 χ²/NDF: 77.8/84
- sign -0.004+/-0.009 χ²/NDF: 34.9/42



Right In: 40.866+/-0.012 χ^2/NDF: 1449217.9/17

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

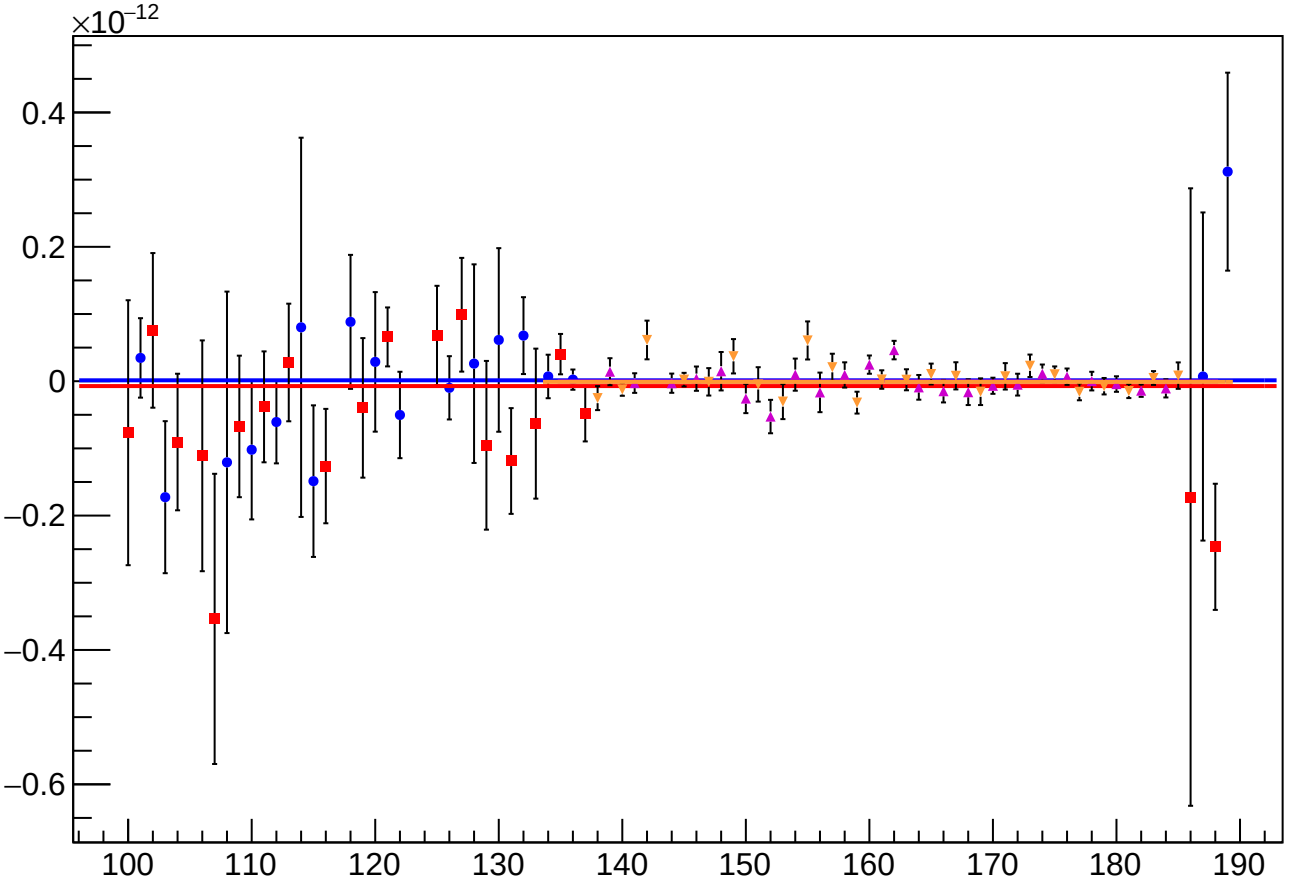
Right Out: 38.126+/-0.011 χ^2/NDF: 2329959.0/19

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

\+ sign 41.798+/-0.006 χ^2/NDF: 3277817.4/41

All: 41.070+/-0.004 χ^2/NDF: 7104491.4/84

\- sign 40.376+/-0.006 χ^2/NDF: 3801680.0/42



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/17

Left Out: -0.000+/-0.000 χ^2/NDF:29.5/23

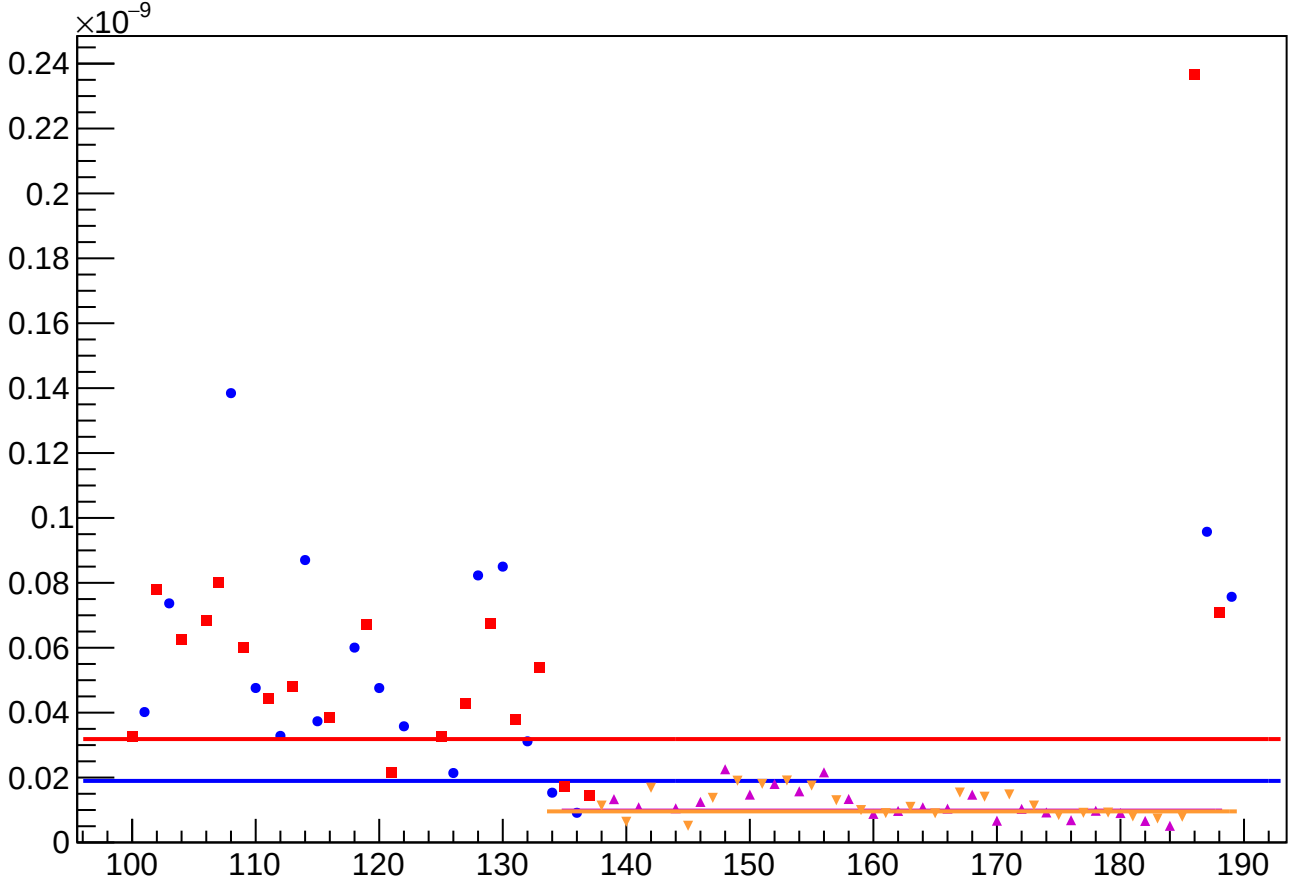
Right Out: -0.000+/-0.000 χ^2/NDF: 25.2/19

Left In: -0.000+/-0.000 χ^2/NDF:28.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 43.9/41

All: -0.000+/-0.000 χ^2/NDF: 97.6/84

- sign -0.000+/-0.000 χ^2/NDF: 53.7/42



Right In: 0.000+/-0.000 χ^2/NDF: 4521211.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:2445128.6/23

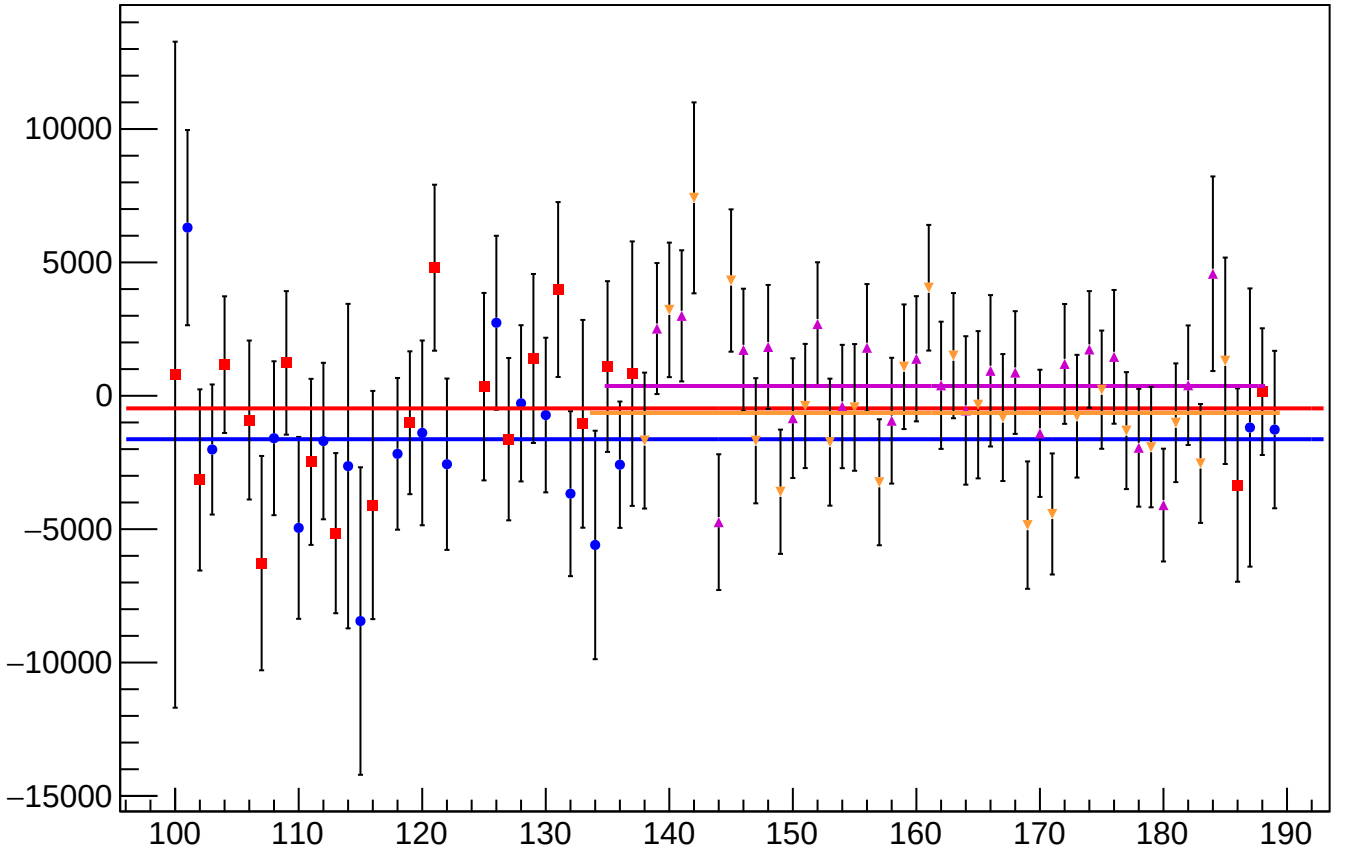
Right Out: 0.000+/-0.000 χ^2/NDF: 3146418.8/19

Left In: 0.000+/-0.000 χ^2/NDF:2250638.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 8209342.5/41

All: 0.000+/-0.000 χ^2/NDF: 17188753.5/84

- sign 0.000+/-0.000 χ^2/NDF: 8958700.7/42



Right In: -1628.130+/-756.980 χ^2/NDF: 10.8/17

Left Out: -643.811+/-493.681 χ^2/NDF:27.1/23

Right Out: -471.778+/-723.755 χ^2/NDF: 13.4/19

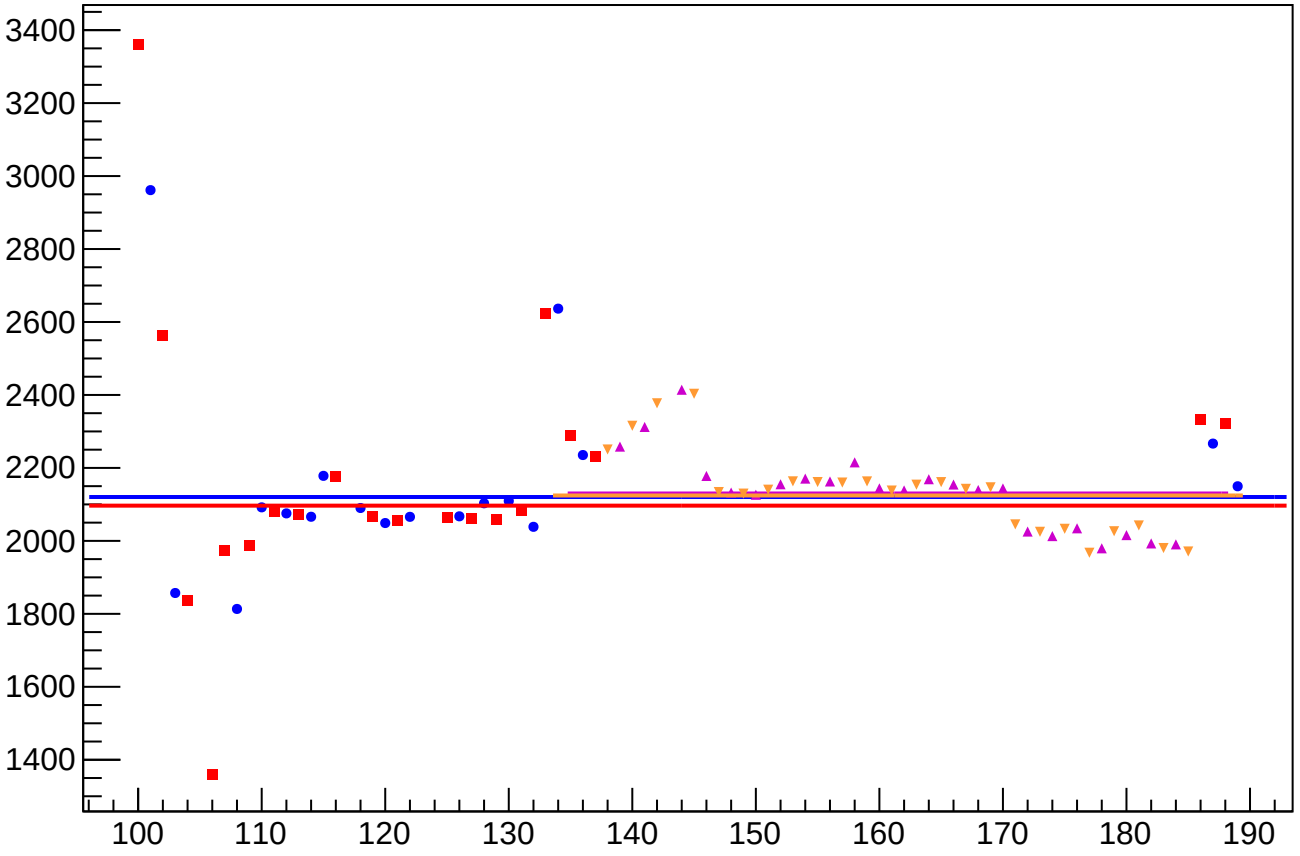
Left In: 366.759+/-497.896 χ^2/NDF:17.3/22

+ sign -937.539+/-413.513 χ^2/NDF: 39.1/41

All: -415.914+/-291.221 χ^2/NDF: 73.9/84

- sign 97.395+/-410.204 χ^2/NDF: 31.7/42

reg_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2120.255+/-0.535 χ^2/NDF: 191792.9/17

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

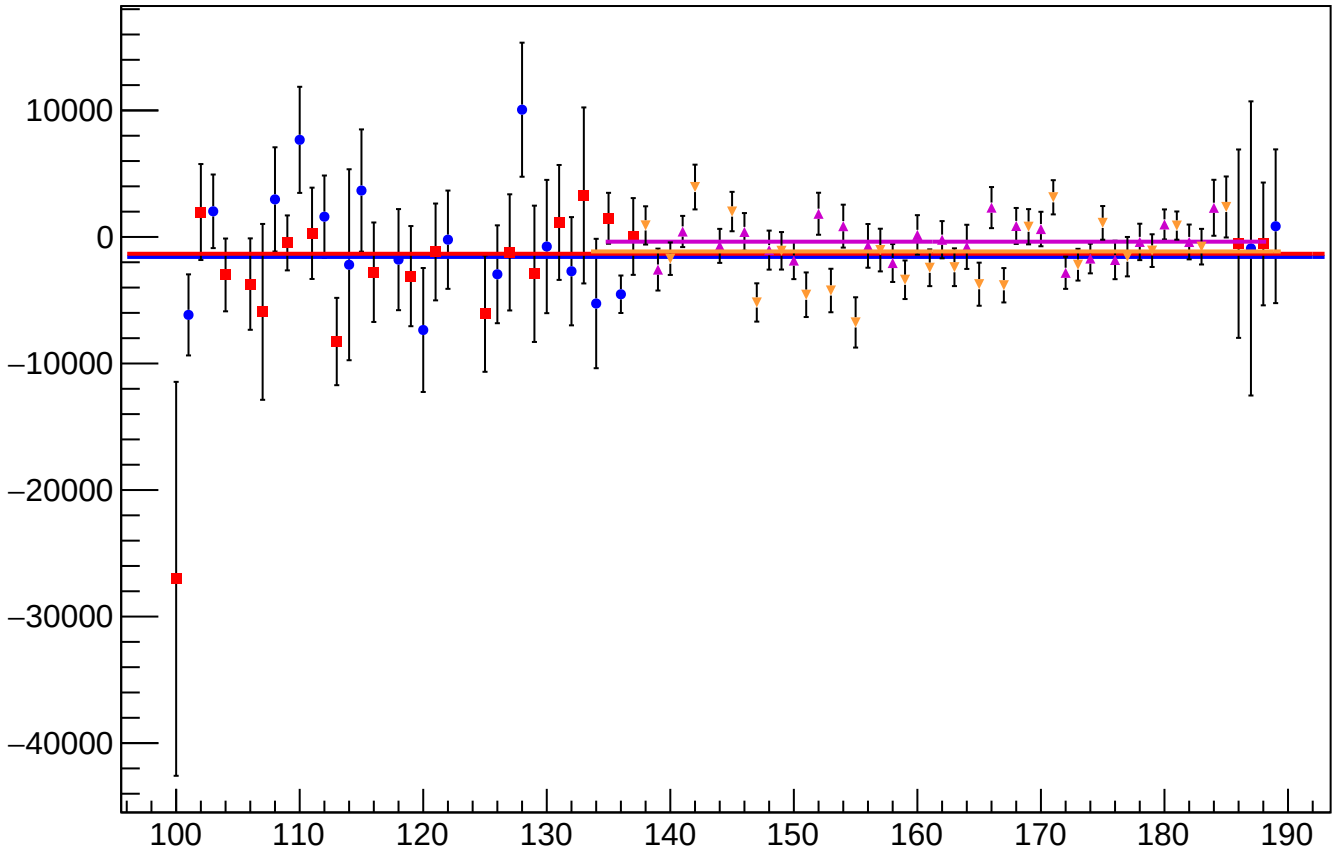
Right Out: 2096.586+/-0.512 χ^2/NDF: 279809.3/19

Left In: 2129.897+/-0.352 χ^2/NDF:85354.5/22

+ sign 2123.189+/-0.292 χ^2/NDF: 281019.7/41

All: 2121.177+/-0.206 χ^2/NDF: 649153.2/84

- sign 2119.196+/-0.290 χ^2/NDF: 368039.4/42



Right In: -1577.938+/-851.563 χ^2/NDF: 23.0/17

Left Out: -1144.817+/-302.488 χ^2/NDF:67.5/23

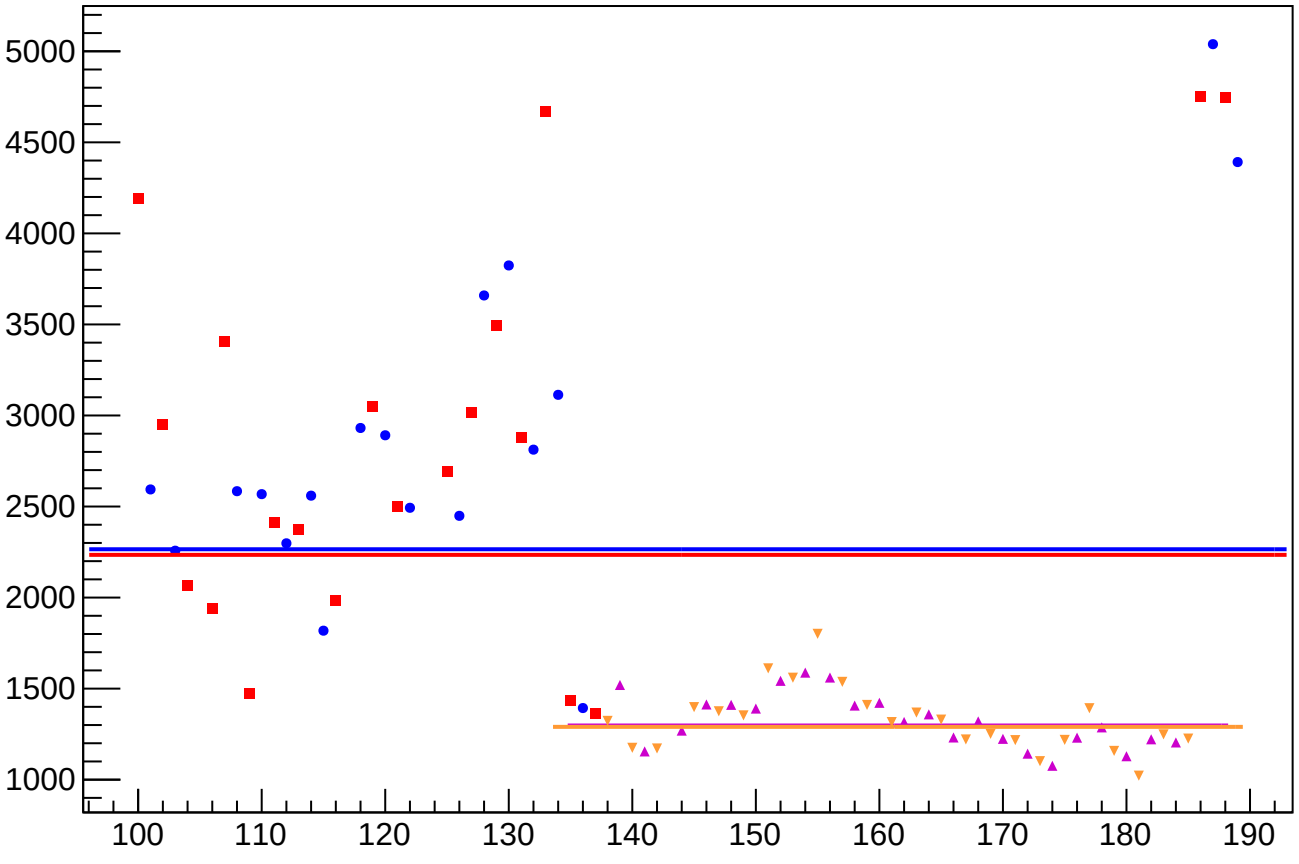
Right Out: -1328.383+/-823.011 χ^2/NDF: 13.5/19

Left In: -373.302+/-305.378 χ^2/NDF:20.3/22

+ sign -1193.344+/-285.039 χ^2/NDF: 90.8/41

All: -842.673+/-201.999 χ^2/NDF: 128.8/84

- sign -488.883+/-286.304 χ^2/NDF: 35.0/42



Right In: 2265.365+/-0.602 χ^2/NDF: 1617191.3/17

Left Out: 1290.029+/-0.214 χ^2/NDF:567950.9/23

Right Out: 2234.619+/-0.582 χ^2/NDF: 2254757.4/19

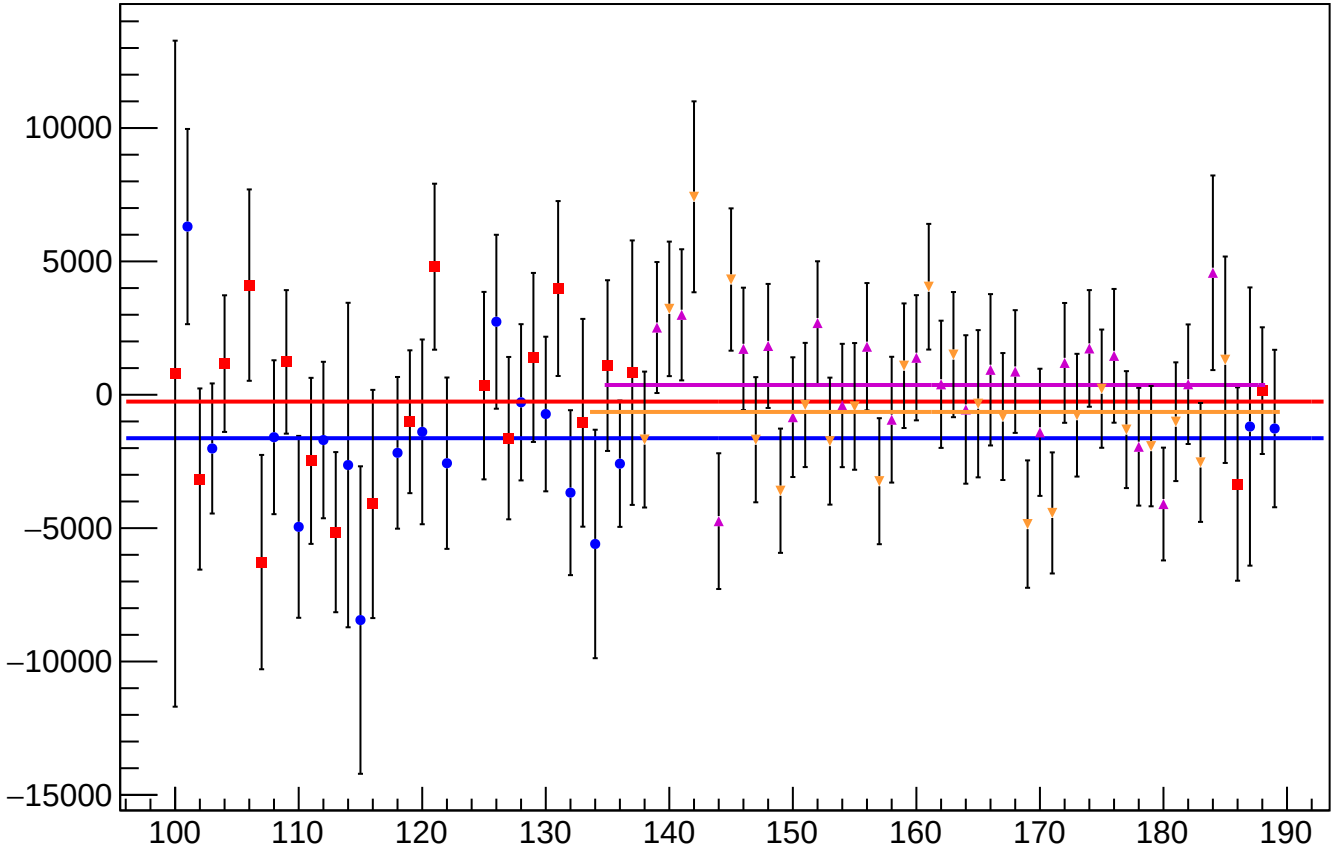
Left In: 1297.454+/-0.216 χ^2/NDF:433995.4/22

+ sign 1399.307+/-0.202 χ^2/NDF: 4514825.5/41

All: 1405.061+/-0.143 χ^2/NDF: 9484669.9/84

- sign 1410.867+/-0.202 χ^2/NDF: 4968206.9/42

cor_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1628.040+/-756.981 χ^2/NDF: 10.8/17

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: -255.898+/-730.463 χ^2/NDF: 15.0/19

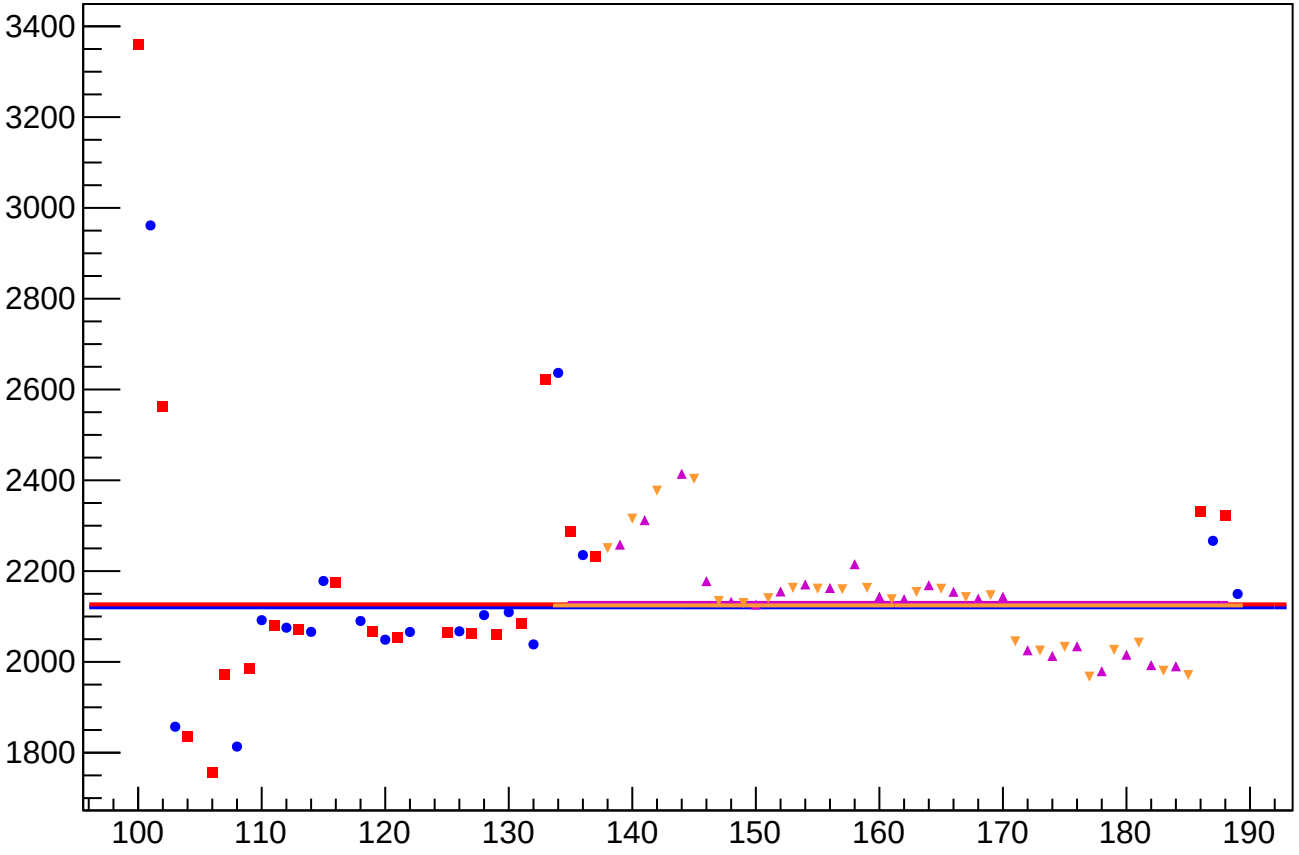
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

+ sign -937.415+/-413.513 χ^2/NDF: 39.1/41

All: -381.310+/-291.653 χ^2/NDF: 75.5/84

- sign 169.164+/-411.414 χ^2/NDF: 32.8/42

cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2120.255+/-0.535 χ^2/NDF: 191793.2/17

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

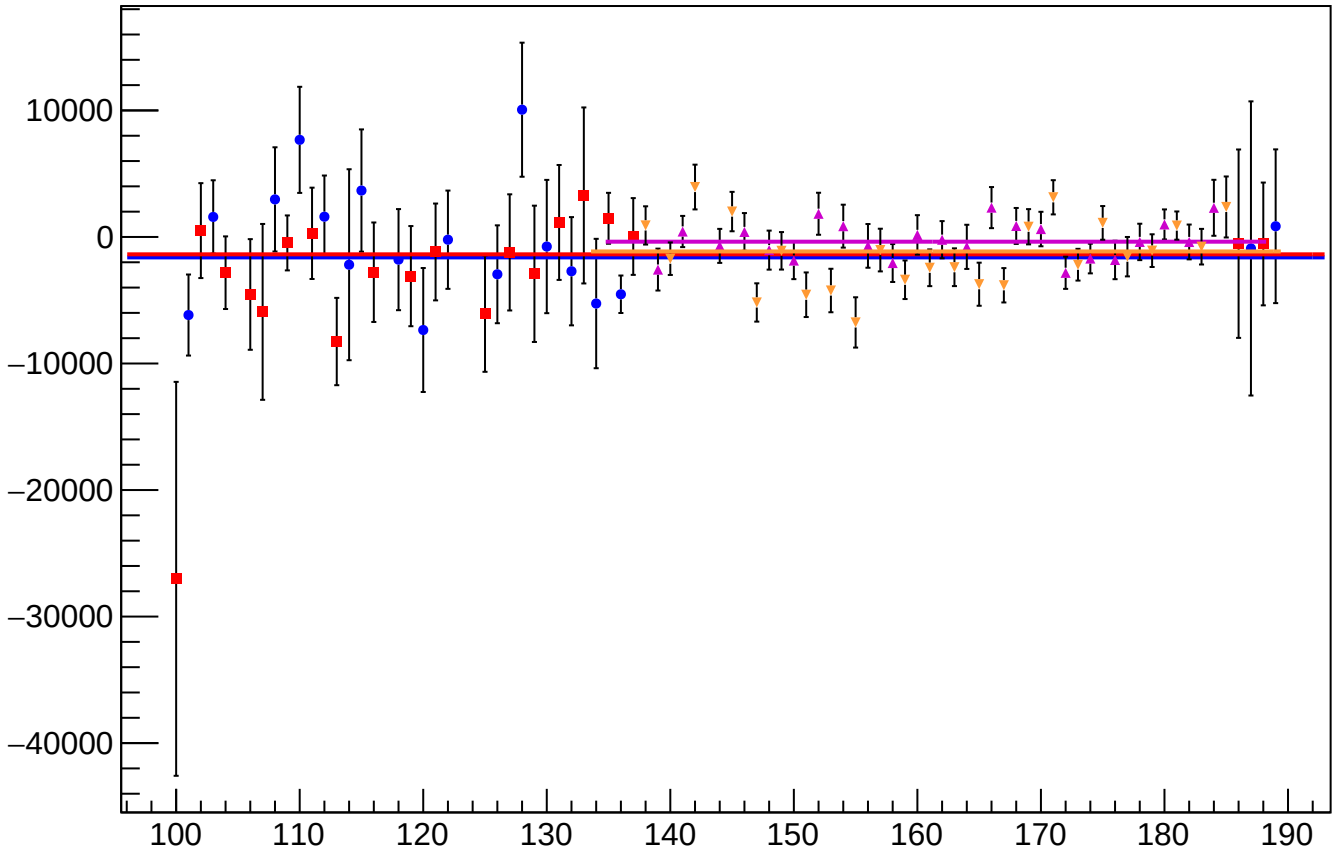
Right Out: 2126.674+/-0.517 χ^2/NDF: 172530.5/19

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

+ sign 2123.189+/-0.292 χ^2/NDF: 281020.0/41

All: 2126.046+/-0.206 χ^2/NDF: 539121.5/84

- sign 2128.875+/-0.291 χ^2/NDF: 257911.5/42



Right In: -1615.017+/-851.283 χ^2/NDF: 22.7/17

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

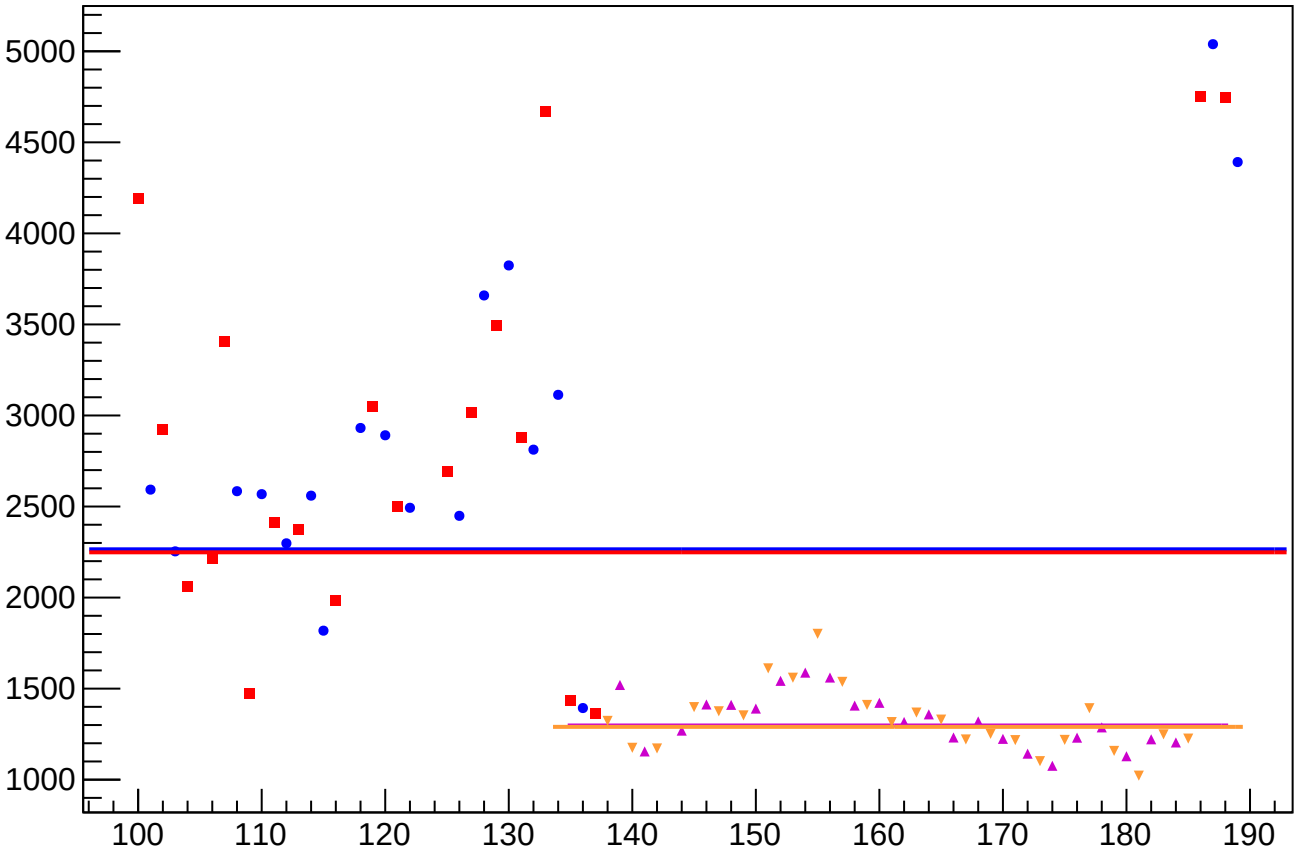
Right Out: -1372.103+/-829.255 χ^2/NDF: 13.0/19

Left In: -373.186+/-305.379 χ^2/NDF:20.3/22

+ sign -1197.497+/-285.031 χ^2/NDF: 90.5/41

All: -846.878+/-202.087 χ^2/NDF: 128.1/84

- sign -492.475+/-286.565 χ^2/NDF: 34.6/42



Right In: 2264.999+/-0.602 χ^2/NDF: 1617060.5/17

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

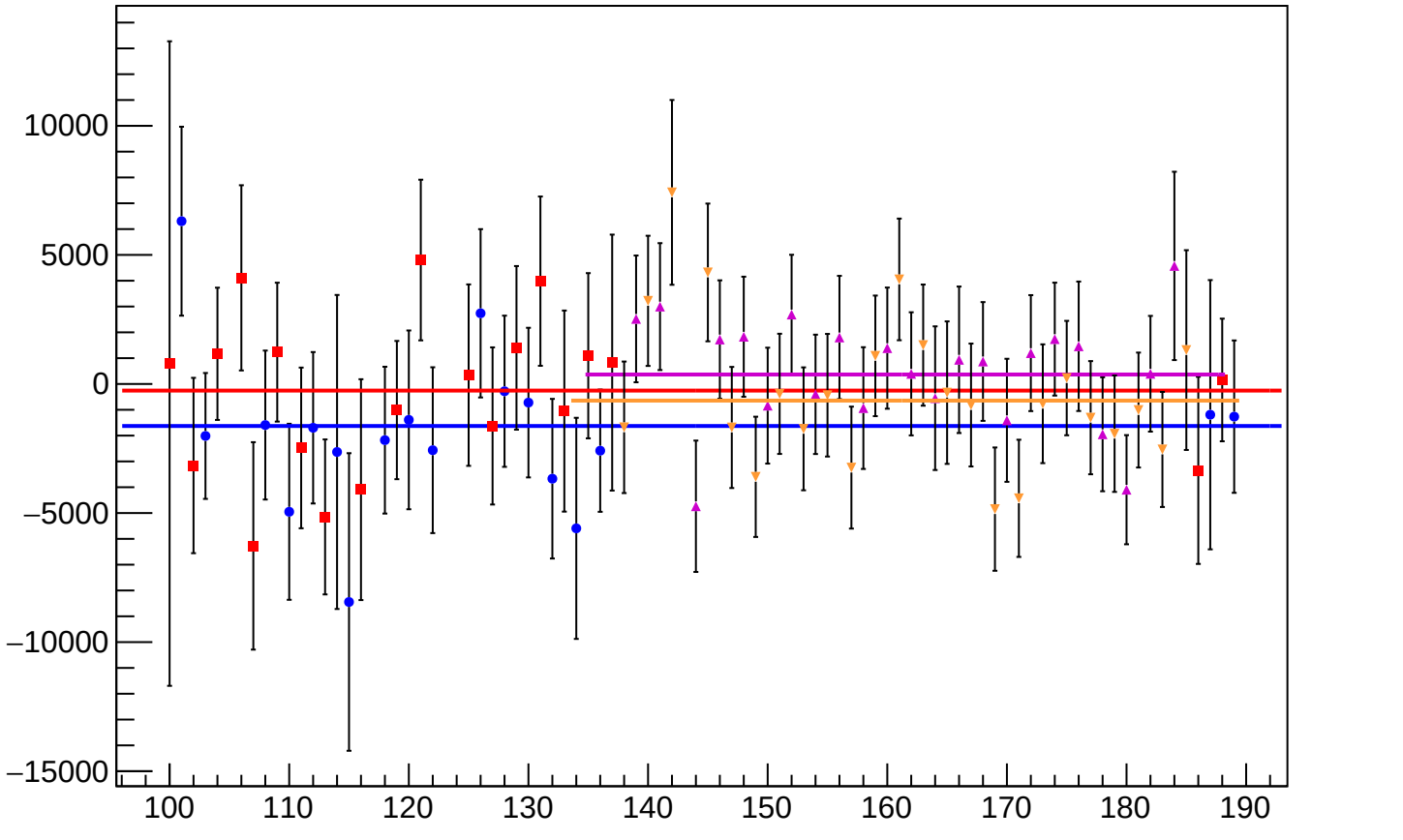
Right Out: 2248.556+/-0.586 χ^2/NDF: 2236778.6/19

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

+ sign 1399.341+/-0.202 χ^2/NDF: 4514184.0/41

All: 1405.157+/-0.143 χ^2/NDF: 9503369.7/84

- sign 1411.036+/-0.203 χ^2/NDF: 4987511.1/42



Right In: -1628.040+/-756.981 χ^2/NDF: 10.8/17

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: -255.898+/-730.463 χ^2/NDF: 15.0/19

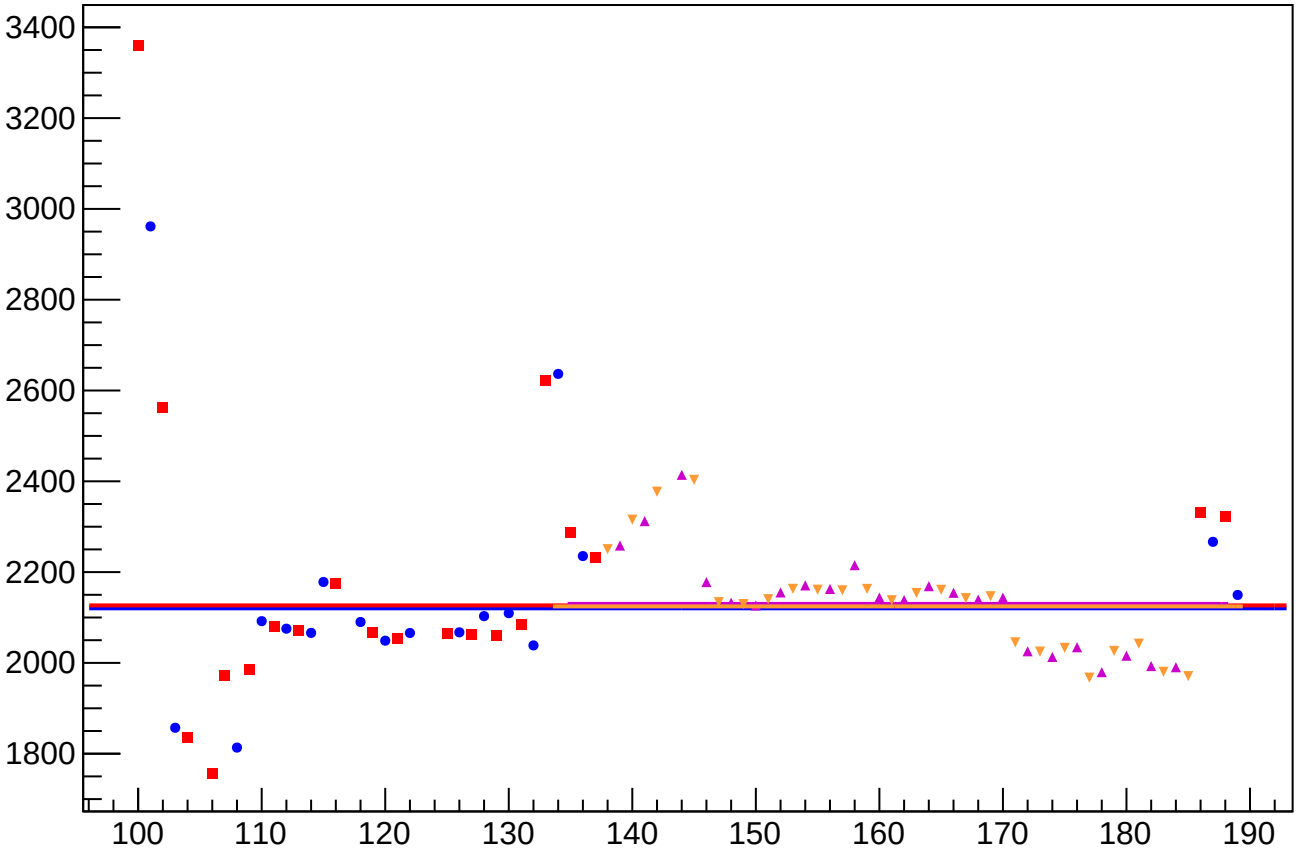
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

\+ sign -937.415+/-413.513 χ^2/NDF: 39.1/41

All: -381.310+/-291.653 χ^2/NDF: 75.5/84

\- sign 169.164+/-411.414 χ^2/NDF: 32.8/42

eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2120.255+/-0.535 χ^2/NDF: 191793.2/17

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

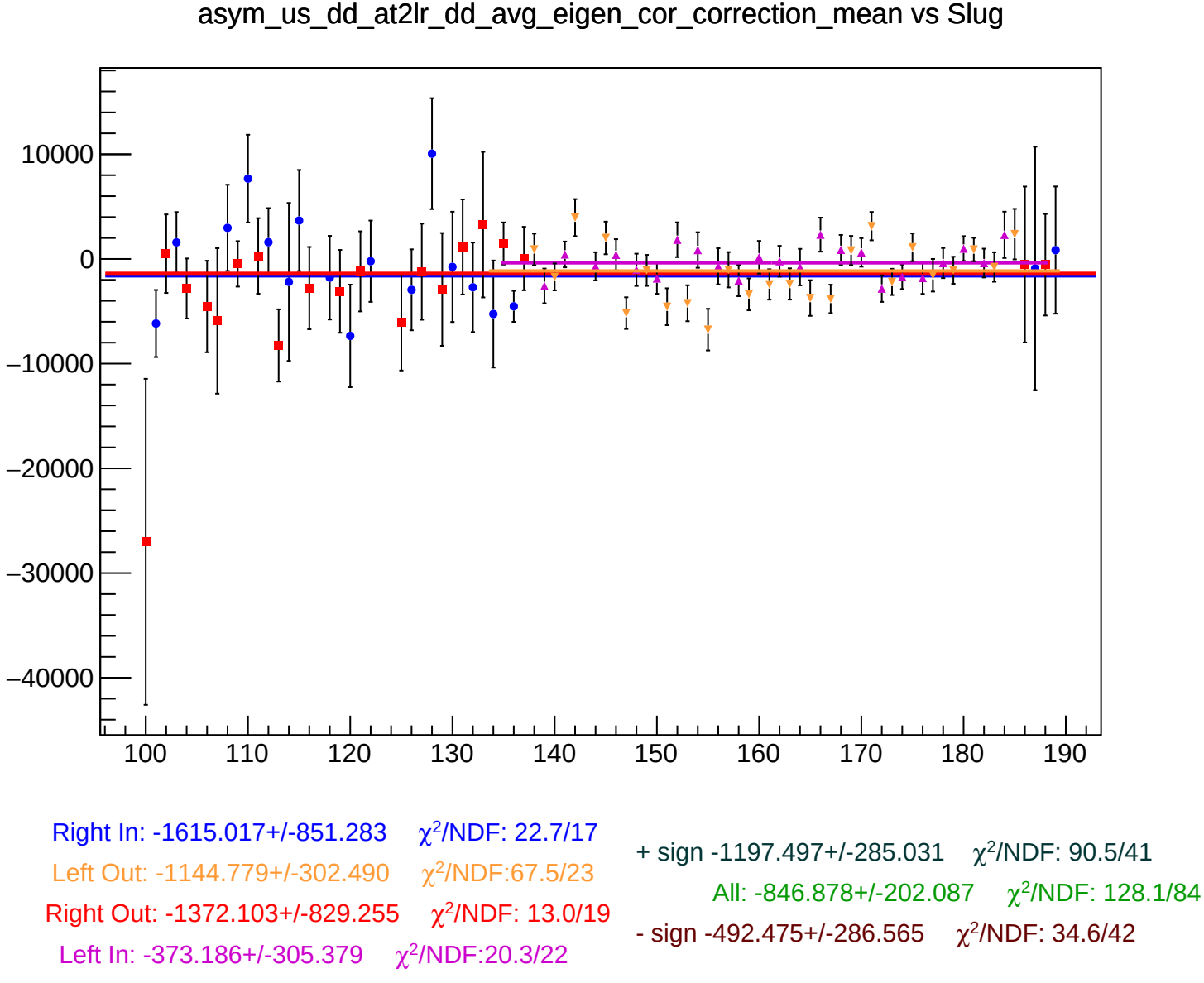
Right Out: 2126.674+/-0.517 χ^2/NDF: 172530.5/19

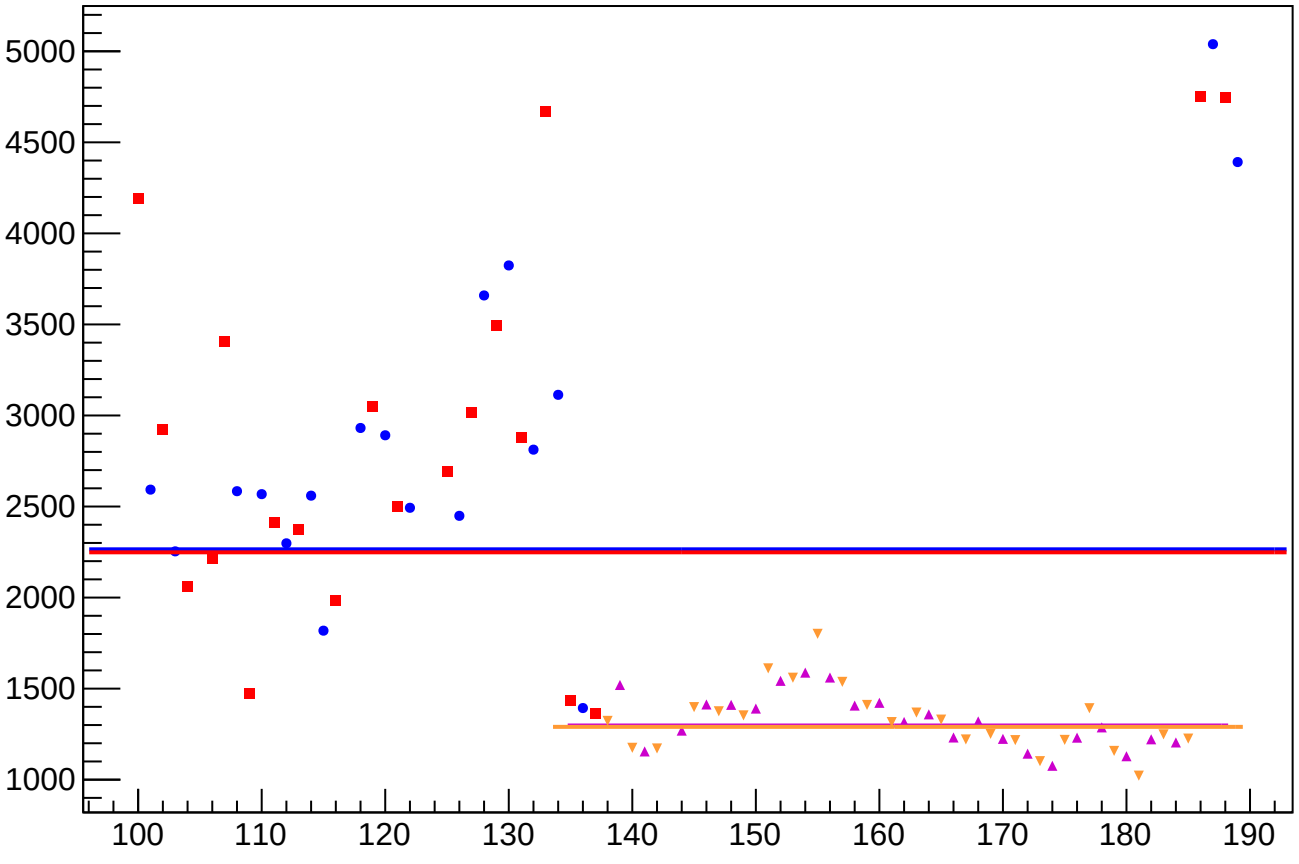
Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

+ sign 2123.189+/-0.292 χ^2/NDF: 281020.0/41

All: 2126.046+/-0.206 χ^2/NDF: 539121.5/84

- sign 2128.875+/-0.291 χ^2/NDF: 257911.5/42


asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs Slug
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -1615.017+/-851.283 χ²/NDF: 22.7/17
Left Out: -1144.779+/-302.490 χ²/NDF:67.5/23
Right Out: -1372.103+/-829.255 χ²/NDF: 13.0/19
Left In: -373.186+/-305.379 χ²/NDF:20.3/22
+ sign -1197.497+/-285.031 χ²/NDF: 90.5/41
All: -846.878+/-202.087 χ²/NDF: 128.1/84
- sign -492.475+/-286.565 χ²/NDF: 34.6/42



Right In: 2264.999+/-0.602 χ^2/NDF: 1617060.5/17

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

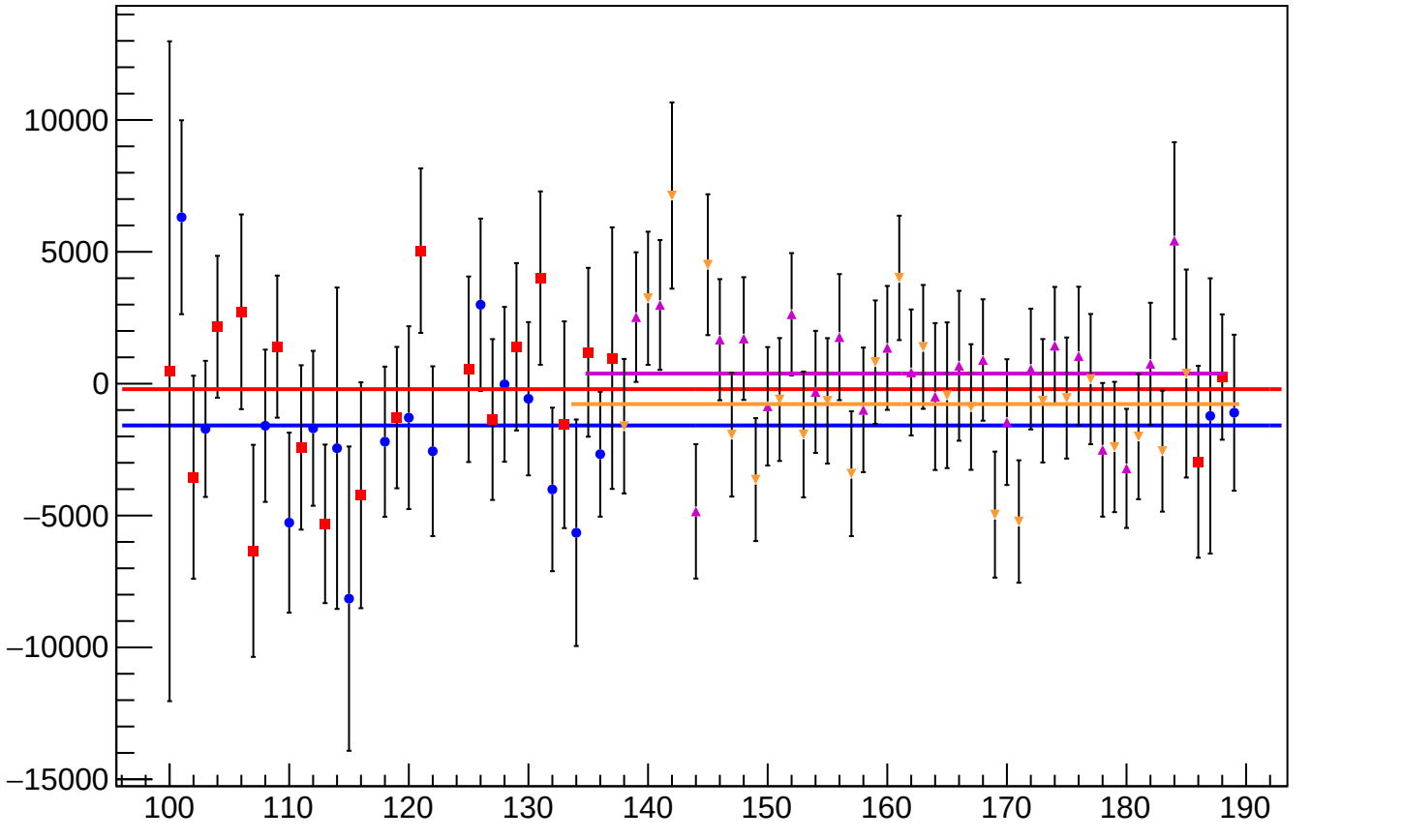
Right Out: 2248.556+/-0.586 χ^2/NDF: 2236778.6/19

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

+ sign 1399.341+/-0.202 χ^2/NDF: 4514184.0/41

All: 1405.157+/-0.143 χ^2/NDF: 9503369.7/84

- sign 1411.036+/-0.203 χ^2/NDF: 4987511.1/42



Right In: -1584.041+/-762.168 χ^2/NDF: 11.4/17

Left Out: -773.579+/-502.816 χ^2/NDF:28.6/23

Right Out: -208.026+/-739.007 χ^2/NDF: 15.2/19

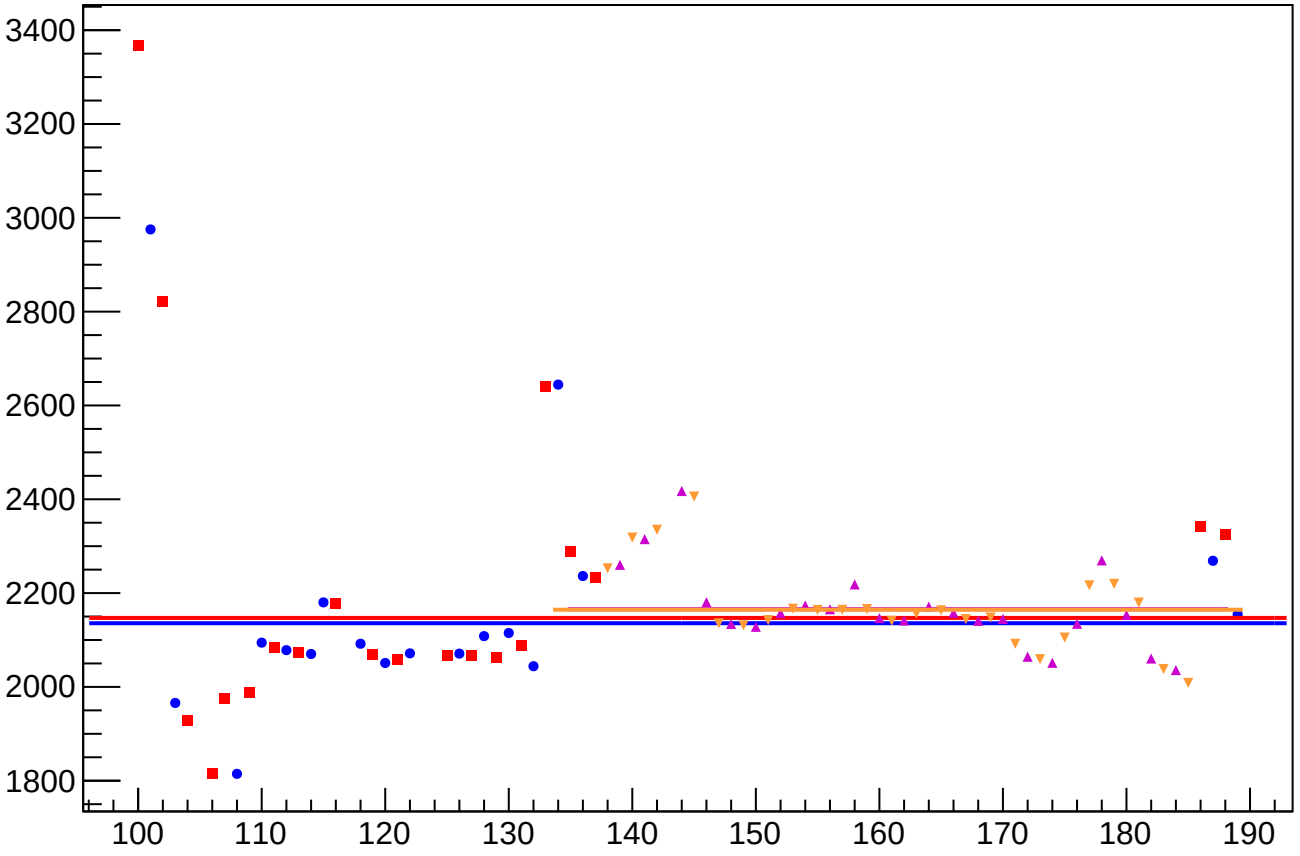
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

+ sign -1019.349+/-419.710 χ^2/NDF: 40.7/41

All: -408.587+/-296.009 χ^2/NDF: 76.2/84

- sign 195.875+/-417.539 χ^2/NDF: 31.3/42

dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2135.768+/-0.539 χ^2/NDF: 177385.5/17

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

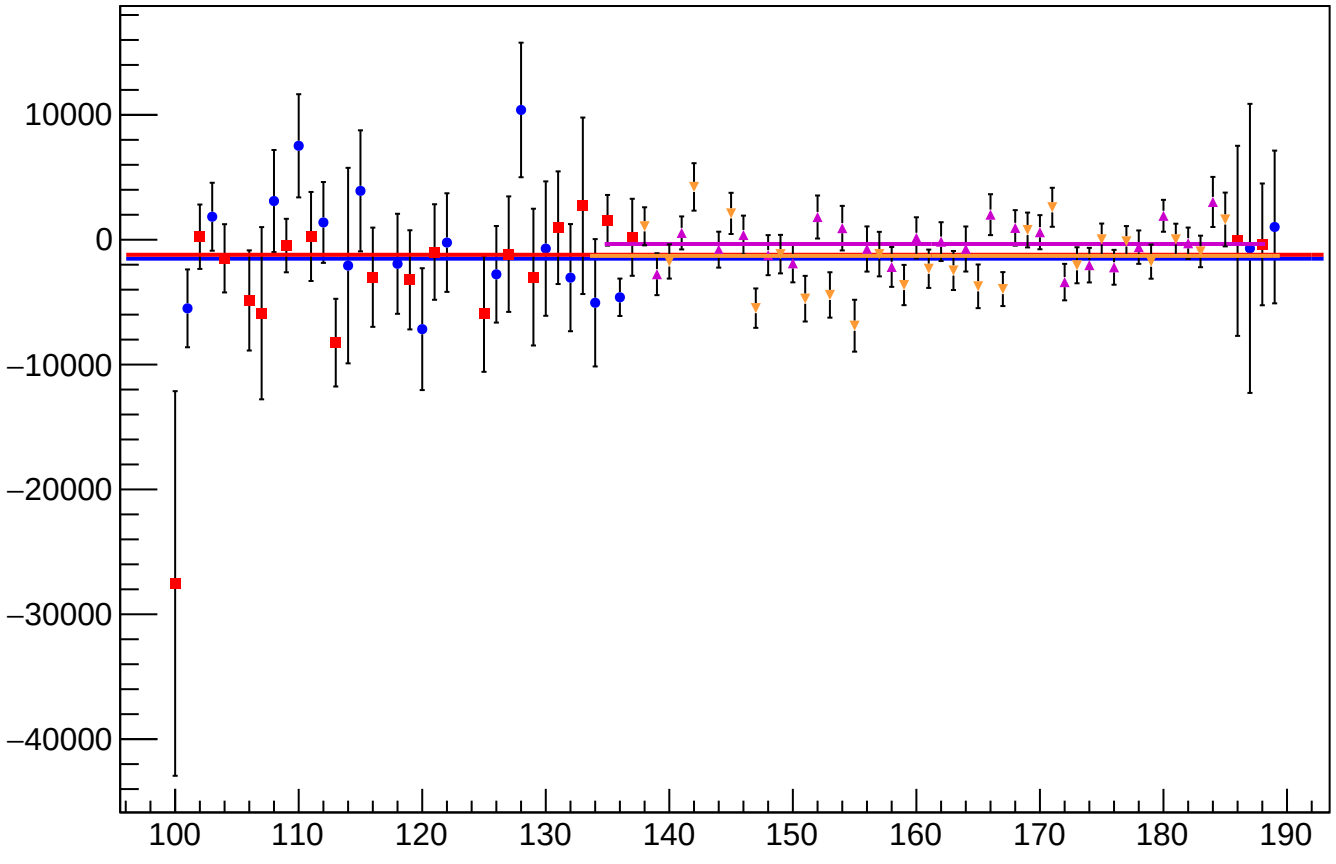
Right Out: 2147.086+/-0.523 χ^2/NDF: 183205.8/19

Left In: 2165.643+/-0.358 χ^2/NDF:52124.5/22

+ sign 2155.809+/-0.297 χ^2/NDF: 230046.6/41

All: 2157.775+/-0.209 χ^2/NDF: 466322.7/84

- sign 2159.719+/-0.295 χ^2/NDF: 236188.8/42



Right In: -1516.404+/-849.093 χ^2/NDF: 22.8/17

Left Out: -1293.716+/-310.622 χ^2/NDF:58.7/23

Right Out: -1204.569+/-803.911 χ^2/NDF: 13.1/19

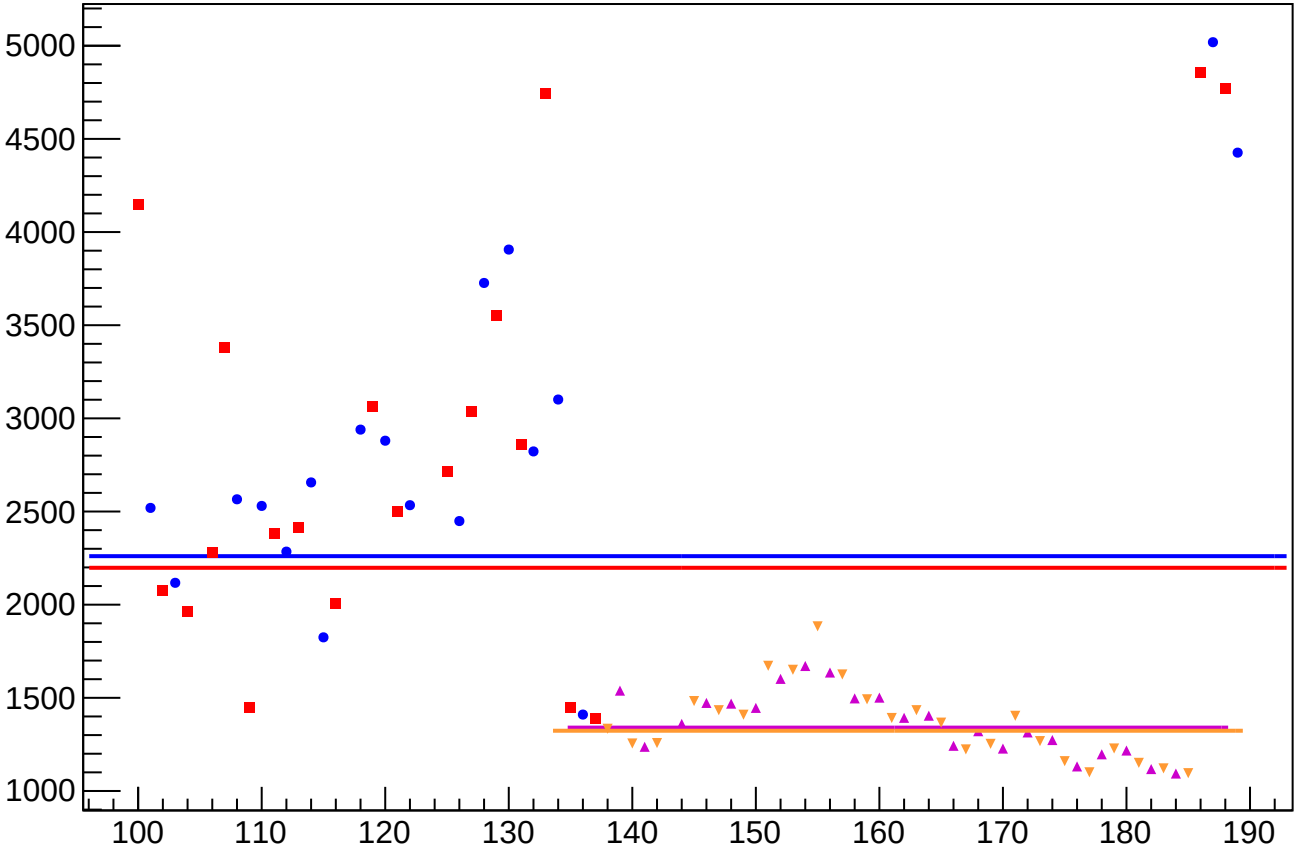
Left In: -341.259+/-315.566 χ^2/NDF:24.8/22

+ sign -1320.001+/-291.715 χ^2/NDF: 81.5/41

All: -891.257+/-206.988 χ^2/NDF: 124.8/84

- sign -456.523+/-293.745 χ^2/NDF: 38.9/42

asym_us_dd_at2lr_dd_avg_dit_correction_rms vs Slug



Right In: 2260.377+/-0.600 χ^2/NDF: 1596349.9/17

Left Out: 1323.402+/-0.220 χ^2/NDF:663859.2/23

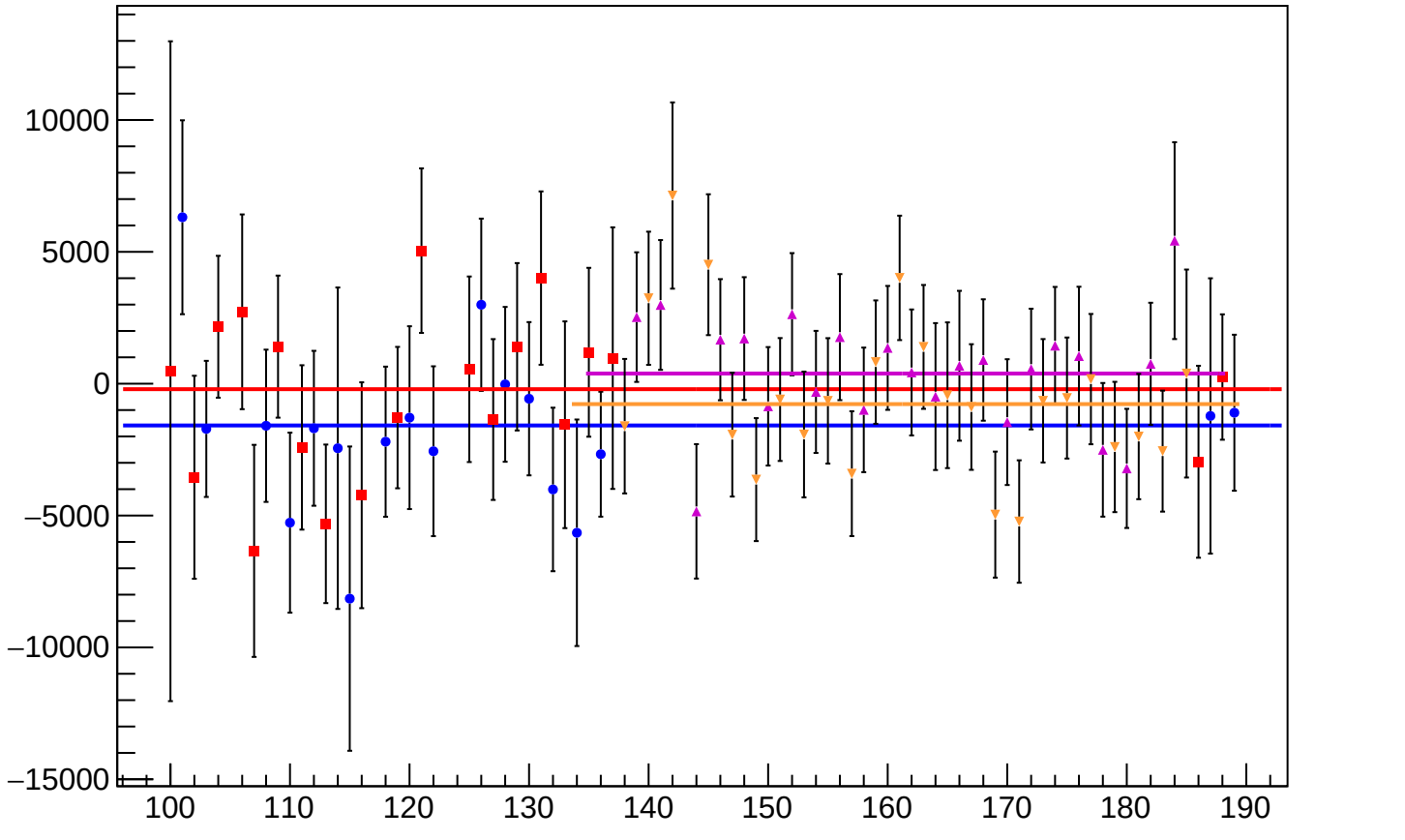
Right Out: 2197.969+/-0.568 χ^2/NDF: 2206011.4/19

Left In: 1340.084+/-0.223 χ^2/NDF:494267.4/22

+ sign 1433.997+/-0.206 χ^2/NDF: 4408173.3/41

All: 1444.239+/-0.146 χ^2/NDF: 9086896.9/84

- sign 1454.624+/-0.208 χ^2/NDF: 4673758.5/42



Right In: -1584.043+/-762.168 χ^2/NDF: 11.4/17

Left Out: -773.576+/-502.816 χ^2/NDF:28.6/23

Right Out: -208.023+/-739.007 χ^2/NDF: 15.2/19

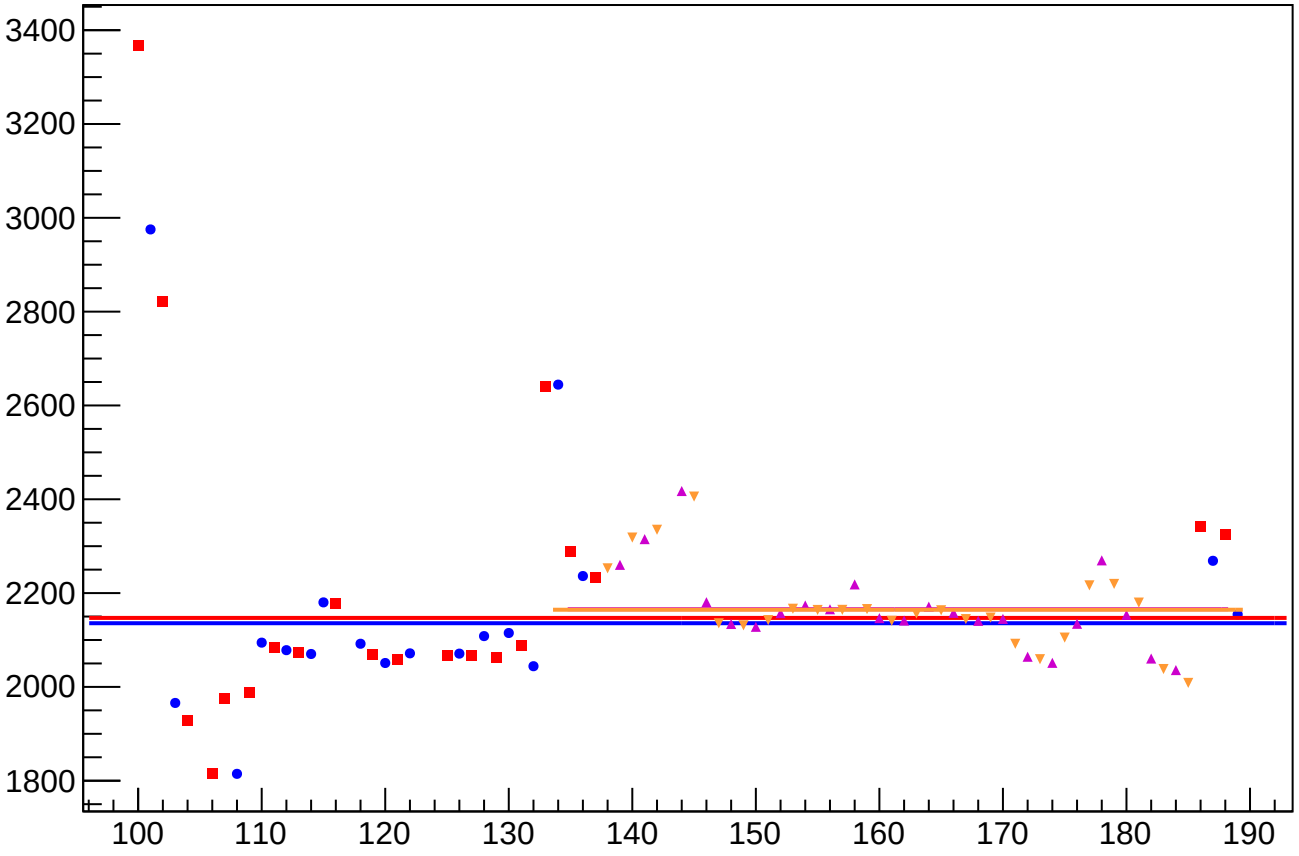
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

+ sign -1019.348+/-419.709 χ^2/NDF: 40.7/41

All: -408.586+/-296.009 χ^2/NDF: 76.2/84

- sign 195.875+/-417.539 χ^2/NDF: 31.3/42

eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2135.767+/-0.539 χ^2/NDF: 177385.5/17

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

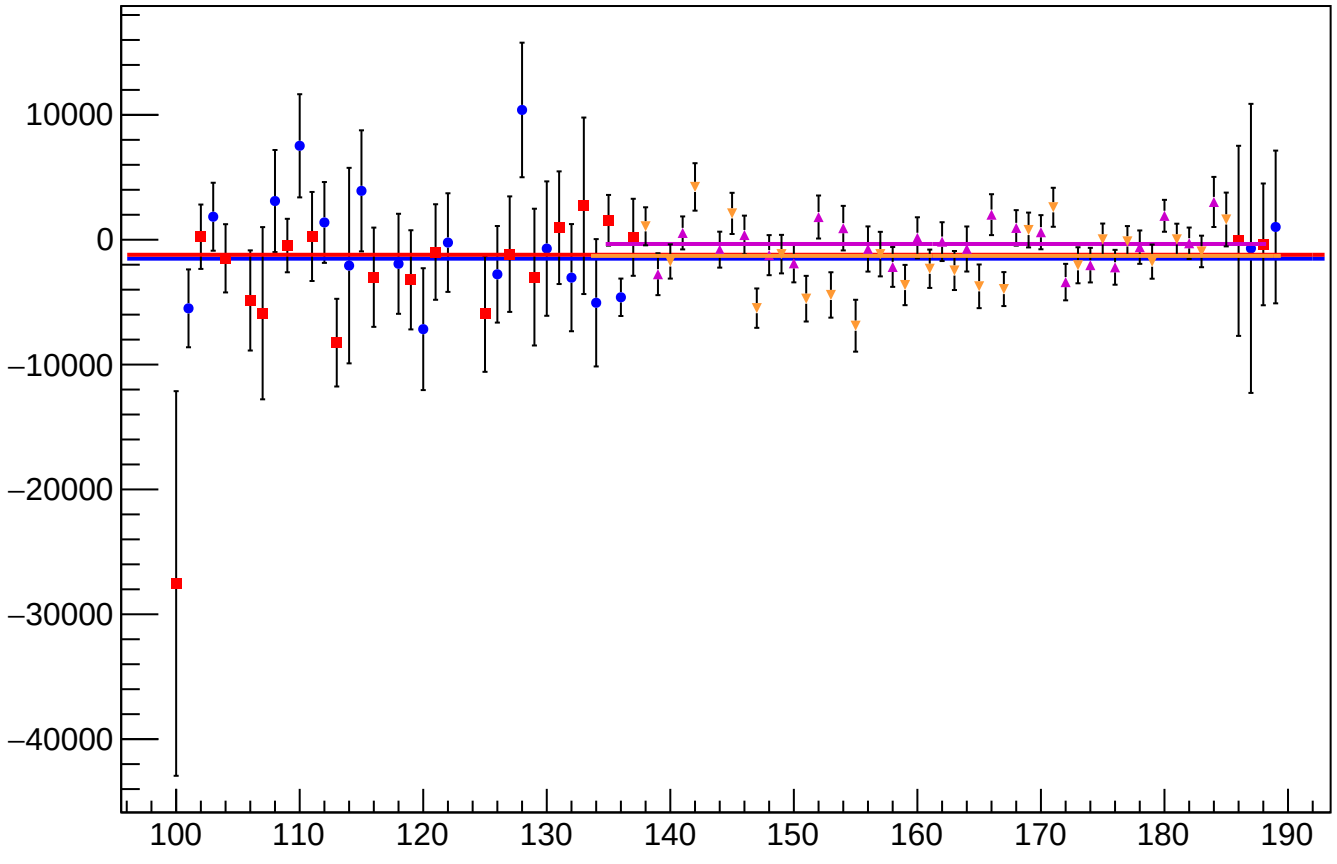
Right Out: 2147.086+/-0.523 χ^2/NDF: 183205.8/19

Left In: 2165.643+/-0.358 χ^2/NDF:52124.4/22

+ sign 2155.809+/-0.297 χ^2/NDF: 230046.6/41

All: 2157.774+/-0.209 χ^2/NDF: 466322.6/84

- sign 2159.719+/-0.295 χ^2/NDF: 236188.7/42



Right In: -1516.391+/-849.096 χ^2/NDF: 22.8/17

Left Out: -1293.717+/-310.622 χ^2/NDF:58.7/23

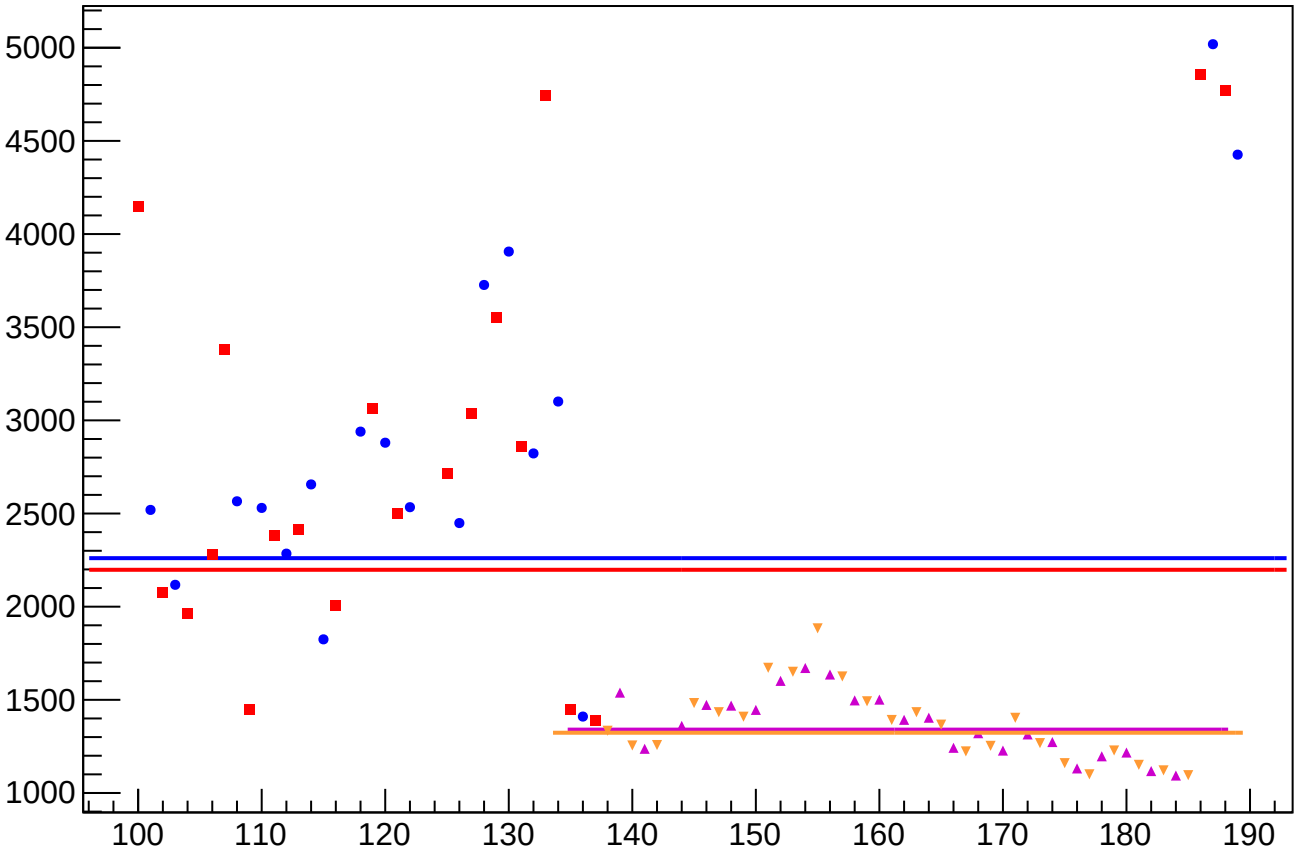
Right Out: -1204.583+/-803.914 χ^2/NDF: 13.1/19

Left In: -341.256+/-315.566 χ^2/NDF:24.8/22

+ sign -1320.000+/-291.715 χ^2/NDF: 81.5/41

All: -891.255+/-206.988 χ^2/NDF: 124.8/84

- sign -456.521+/-293.745 χ^2/NDF: 38.9/42



Right In: 2260.389+/-0.600 χ^2/NDF: 1596287.2/17

Left Out: 1323.402+/-0.220 χ^2/NDF:663857.6/23

Right Out: 2197.981+/-0.568 χ^2/NDF: 2205958.3/19

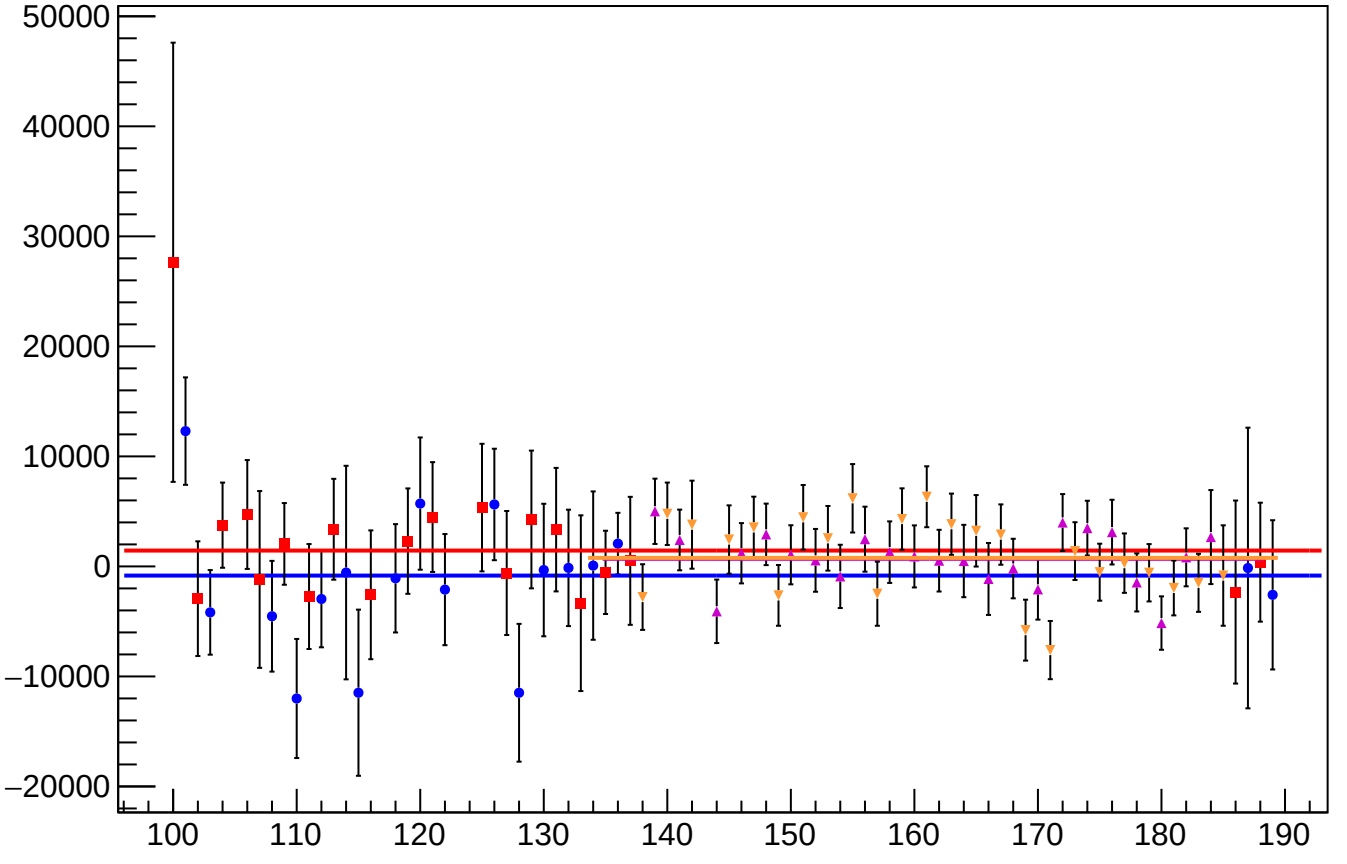
Left In: 1340.083+/-0.223 χ^2/NDF:494276.1/22

+ sign 1433.997+/-0.206 χ^2/NDF: 4408154.3/41

All: 1444.239+/-0.146 χ^2/NDF: 9086884.7/84

- sign 1454.623+/-0.208 χ^2/NDF: 4673765.9/42

asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -833.786+/-1215.847 χ^2/NDF: 22.0/17

Left Out: 774.788+/-583.692 χ^2/NDF:39.3/23

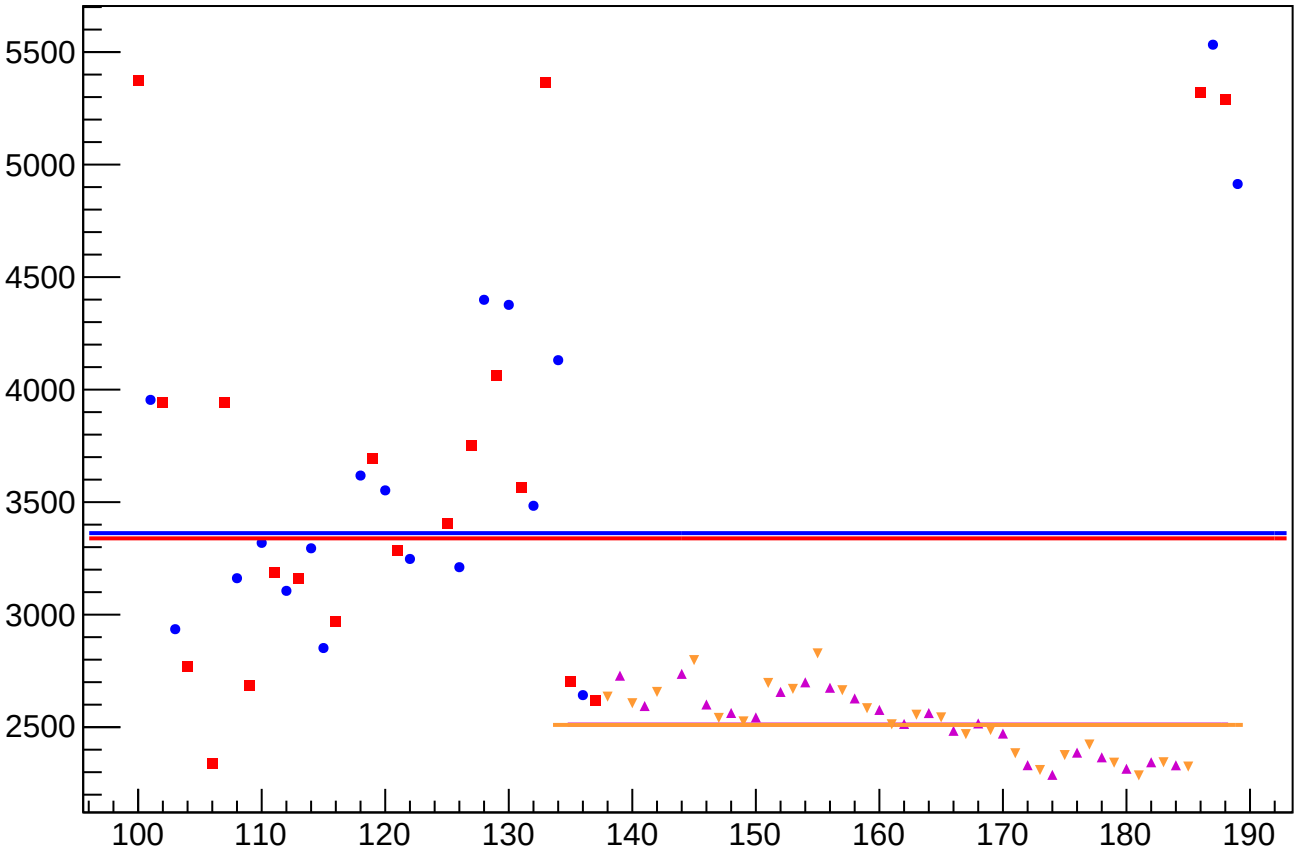
Right Out: 1440.044+/-1177.146 χ^2/NDF: 7.0/19

Left In: 689.981+/-587.431 χ^2/NDF:18.3/22

\+ sign 473.500+/-526.198 χ^2/NDF: 62.7/41

All: 656.716+/-371.873 χ^2/NDF: 88.6/84

\- sign 839.528+/-525.618 χ^2/NDF: 25.6/42



Right In: 3362.267+/-0.860 χ^2/NDF: 517006.5/17

Left Out: 2510.069+/-0.413 χ^2/NDF:128632.5/23

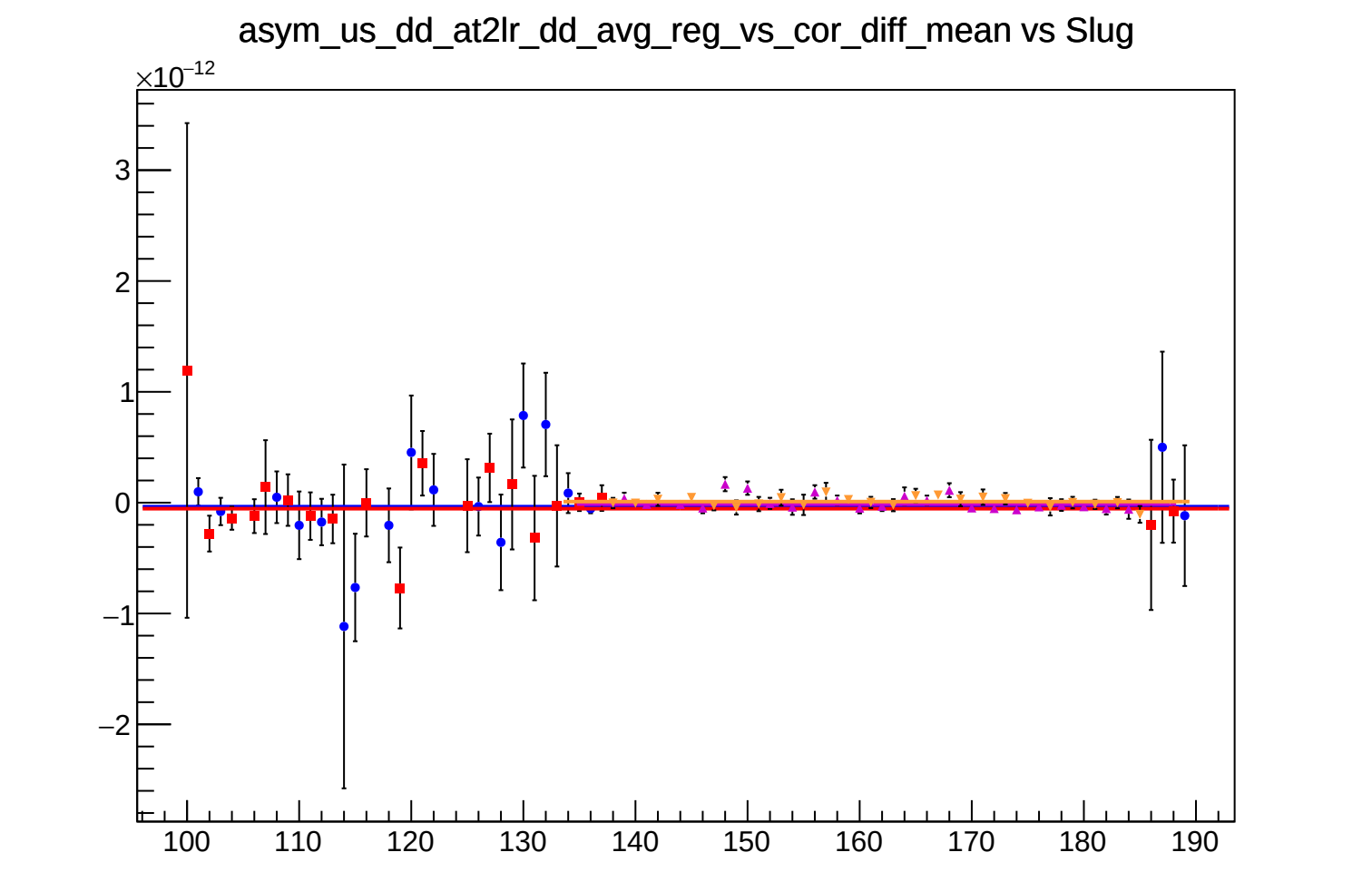
Right Out: 3339.017+/-0.832 χ^2/NDF: 900447.4/19

Left In: 2511.613+/-0.415 χ^2/NDF:113485.5/22

+ sign 2669.687+/-0.372 χ^2/NDF: 1444156.6/41

All: 2673.139+/-0.263 χ^2/NDF: 3249379.8/84

- sign 2676.583+/-0.372 χ^2/NDF: 1805051.2/42



Right In: -0.000+/-0.000 χ^2/NDF: 13.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:12.2/23

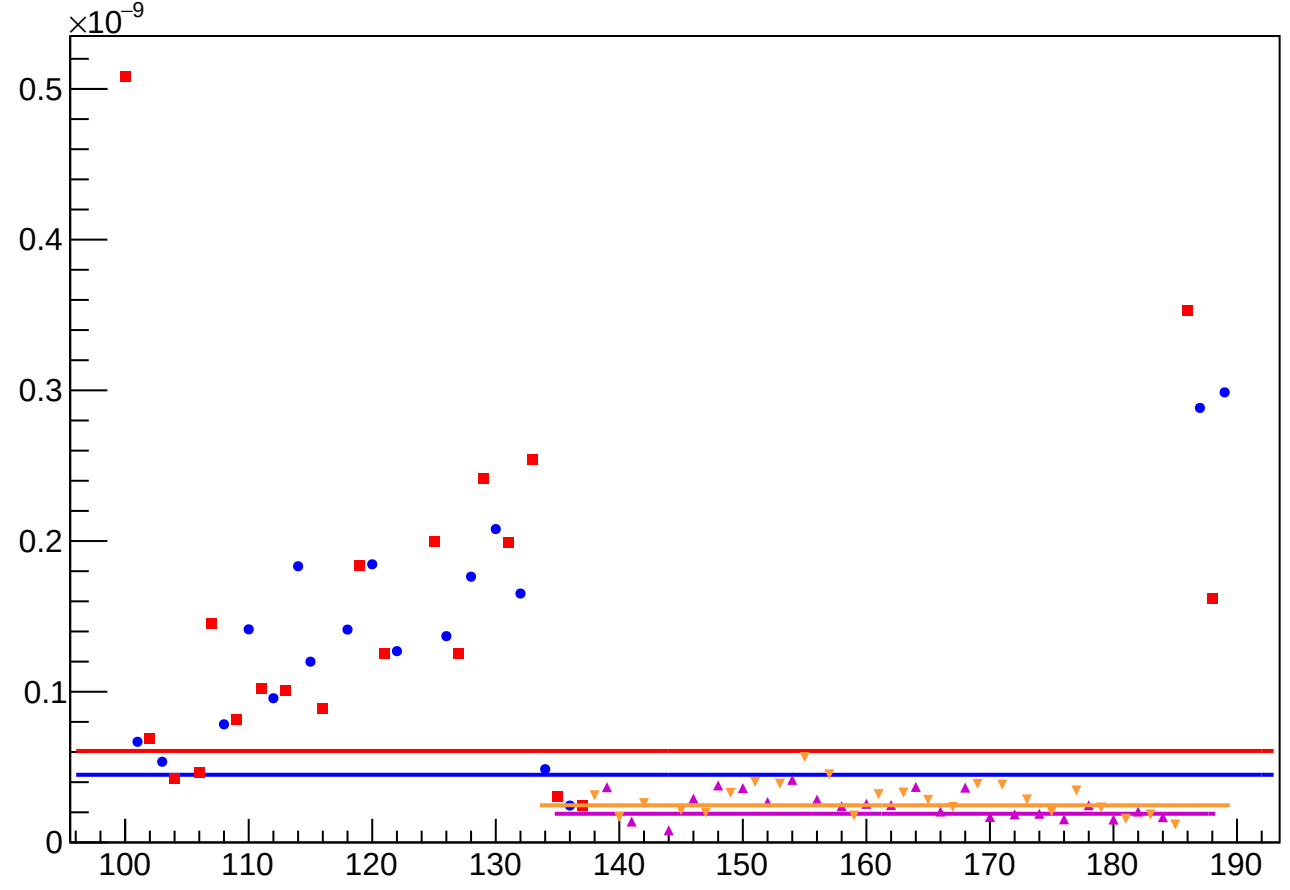
Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/19

Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 27.4/41

All: -0.000+/-0.000 χ^2/NDF: 74.5/84

- sign -0.000+/-0.000 χ^2/NDF: 44.4/42



Right In: 0.000+/-0.000 χ^2/NDF: 2708979.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:1413212.9/23

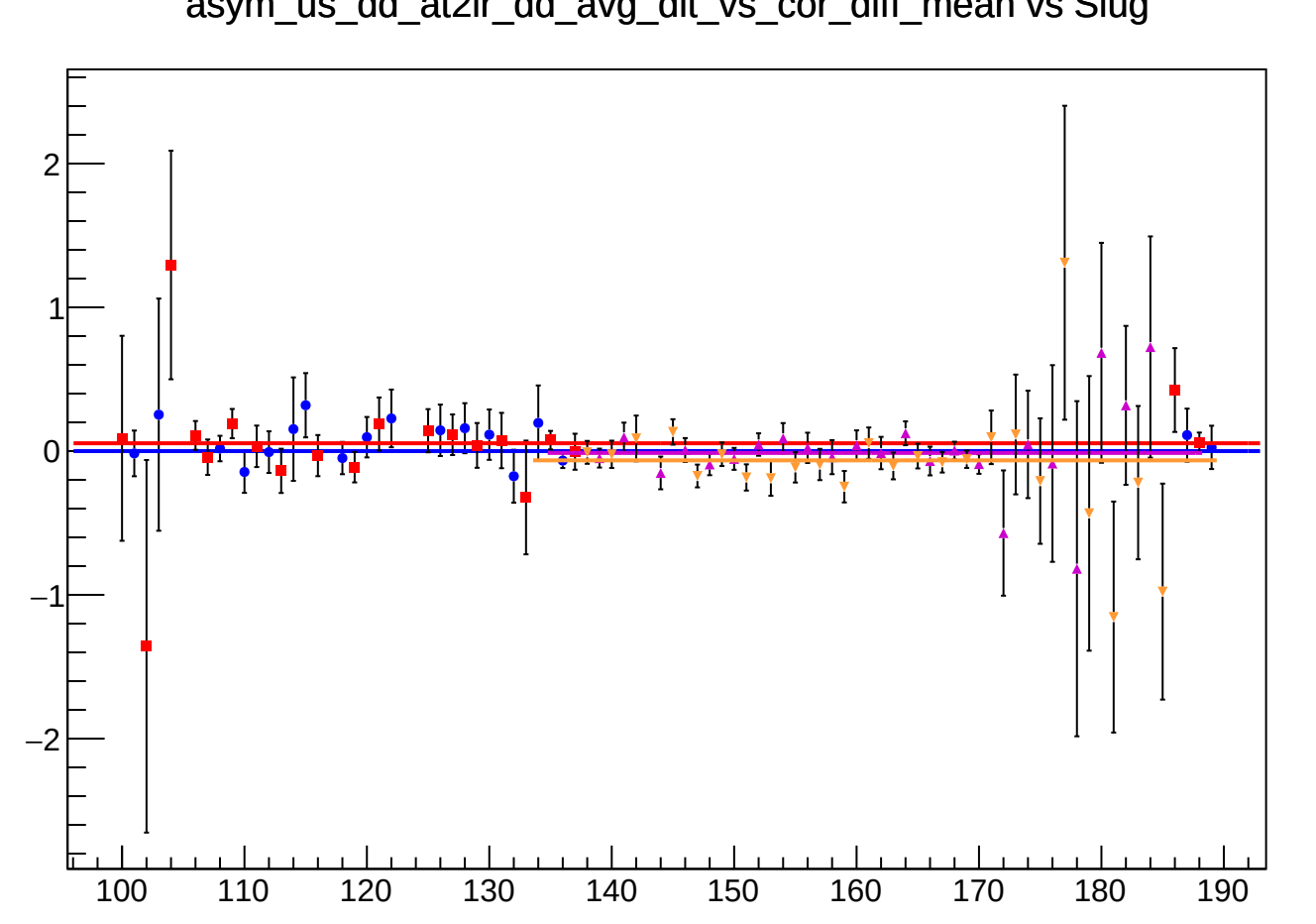
Right Out: 0.000+/-0.000 χ^2/NDF: 2640840.8/19

Left In: 0.000+/-0.000 χ^2/NDF:2190334.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 4764382.5/41

All: 0.000+/-0.000 χ^2/NDF: 11812035.5/84

- sign 0.000+/-0.000 χ^2/NDF: 6655974.3/42



Right In: -0.000+/-0.031 χ^2/NDF: 10.7/17

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

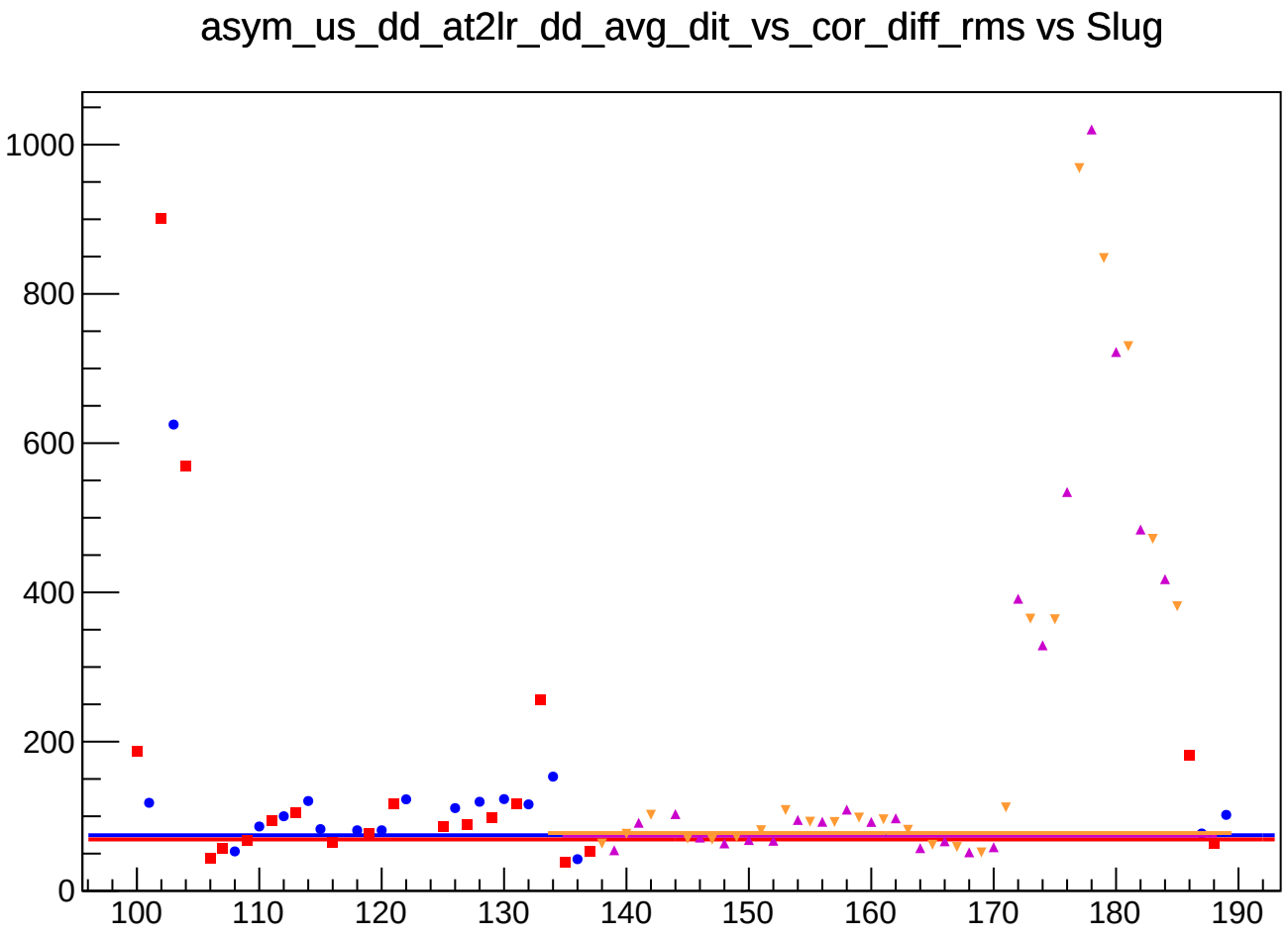
Right Out: 0.055+/-0.029 χ^2/NDF: 14.7/19

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.043+/-0.018 χ^2/NDF: 35.9/41

All: -0.014+/-0.012 χ^2/NDF: 73.8/84

- sign 0.011+/-0.017 χ^2/NDF: 33.2/42



Right In: 74.558+/-0.022 χ^2/NDF: 2924082.8/17

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

Right Out: 68.977+/-0.020 χ^2/NDF: 3643854.7/19

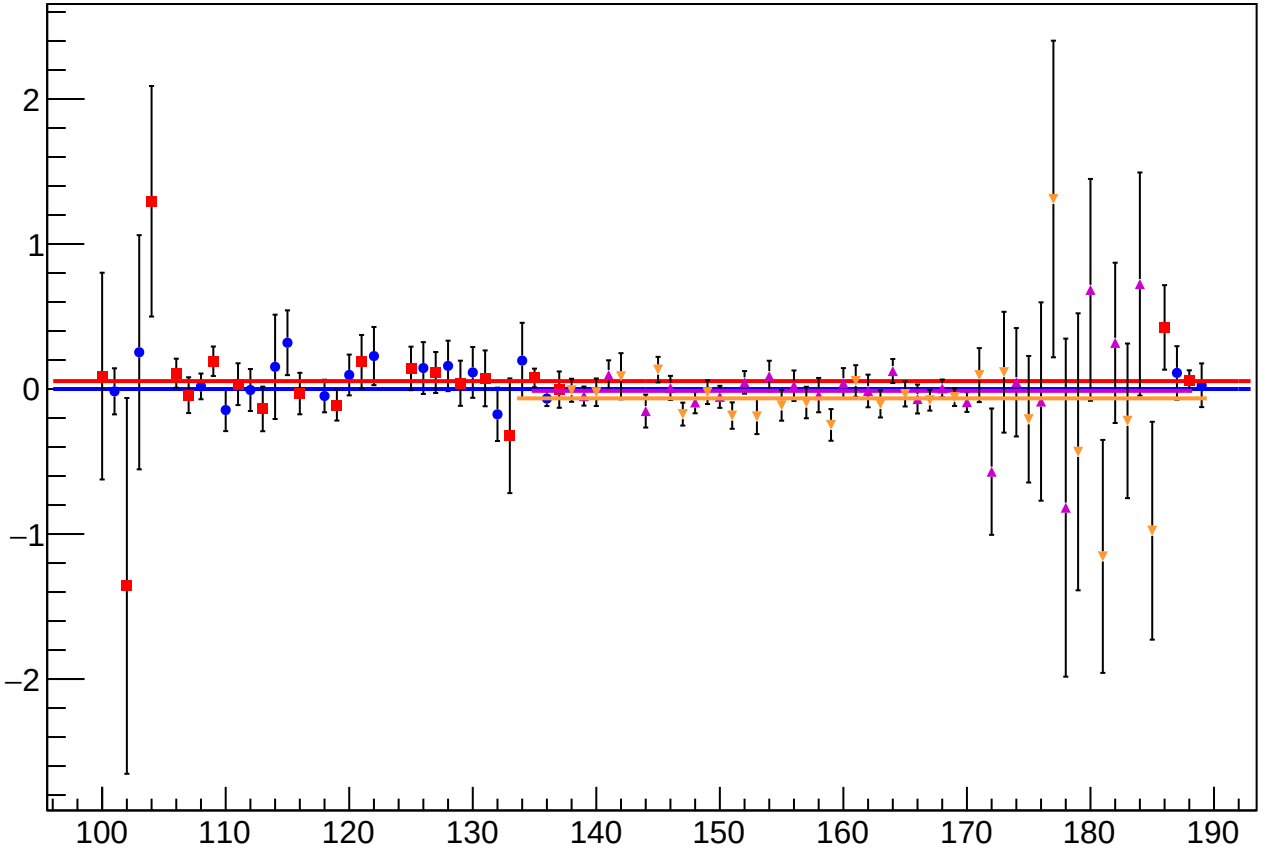
Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

+ sign 76.533+/-0.013 χ^2/NDF: 11267459.0/41

All: 74.342+/-0.009 χ^2/NDF: 23524506.7/84

- sign 72.383+/-0.012 χ^2/NDF: 12200982.9/42

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.000+/-0.031 χ^2/NDF: 10.7/17

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

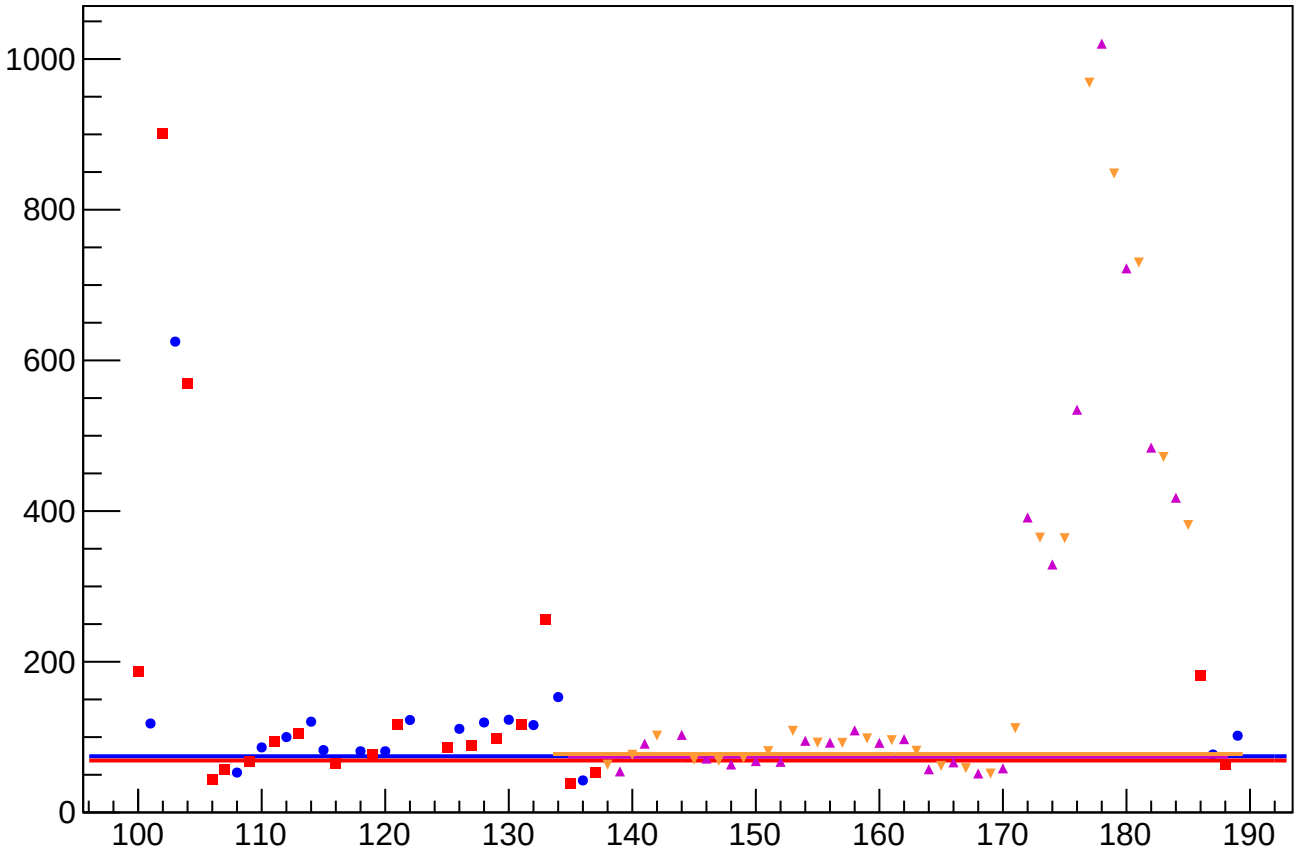
Right Out: 0.055+/-0.029 χ^2/NDF: 14.7/19

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.043+/-0.018 χ^2/NDF: 35.9/41

All: -0.014+/-0.012 χ^2/NDF: 73.8/84

- sign 0.011+/-0.017 χ^2/NDF: 33.2/42



Right In: 74.558+/-0.022 χ^2/NDF: 2924082.8/17

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

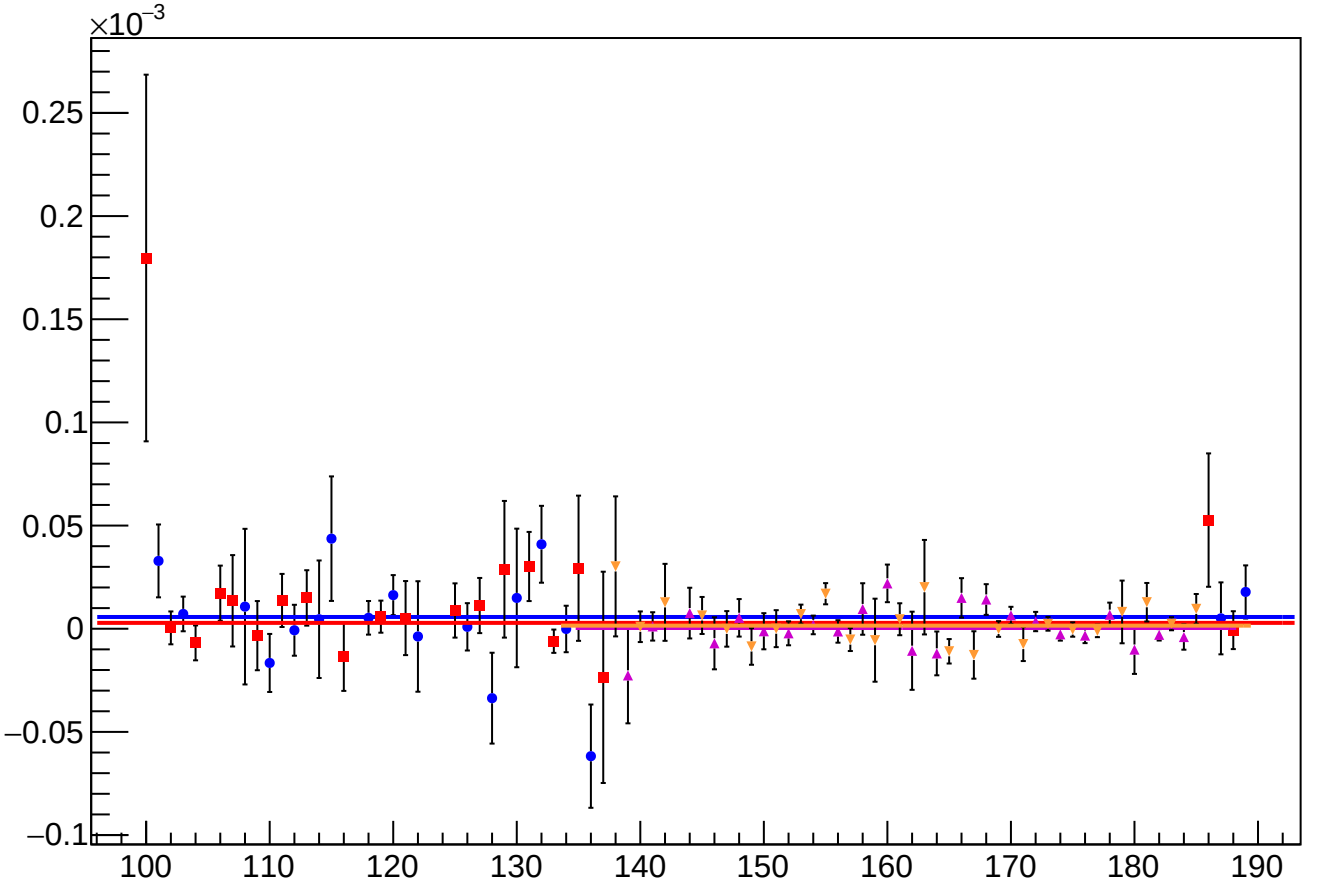
Right Out: 68.977+/-0.020 χ^2/NDF: 3643854.7/19

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

\+ sign 76.533+/-0.013 χ^2/NDF: 11267459.0/41

All: 74.342+/-0.009 χ^2/NDF: 23524506.7/84

\- sign 72.383+/-0.012 χ^2/NDF: 12200982.9/42



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/17

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/23

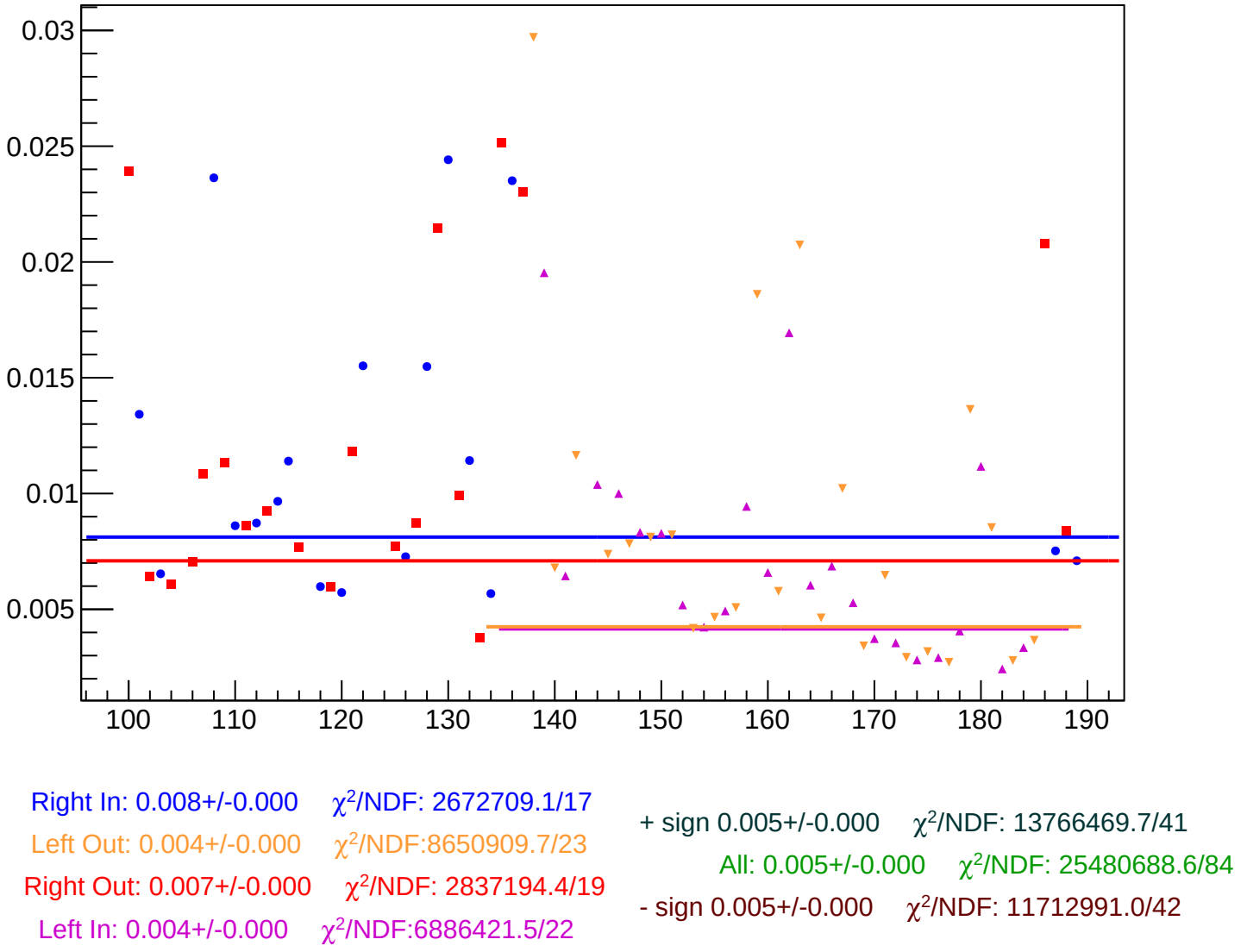
Right Out: 0.000+/-0.000 χ^2/NDF: 19.3/19

Left In: 0.000+/-0.000 χ^2/NDF:24.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.1/41

All: 0.000+/-0.000 χ^2/NDF: 97.3/84

- sign 0.000+/-0.000 χ^2/NDF: 44.6/42


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
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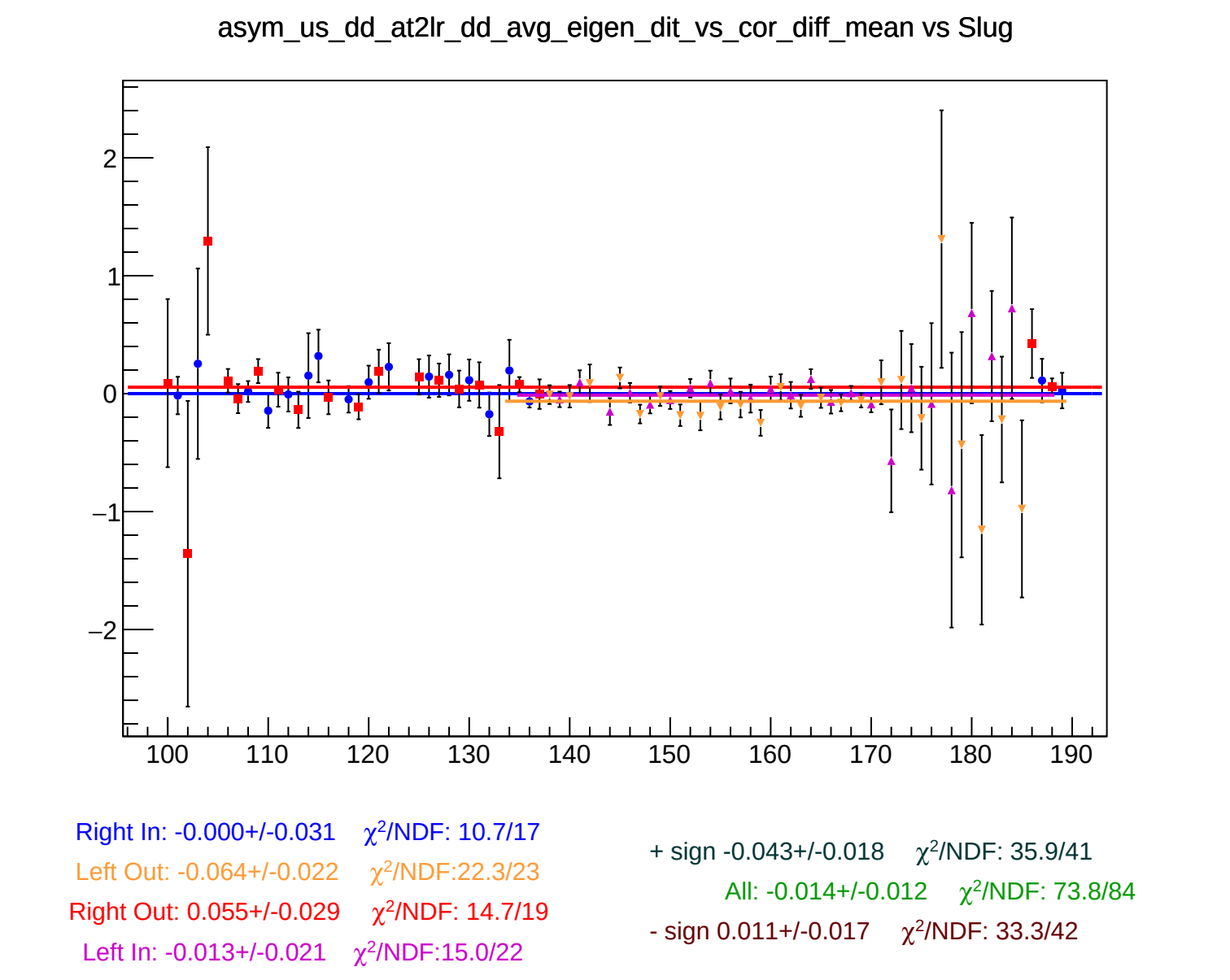
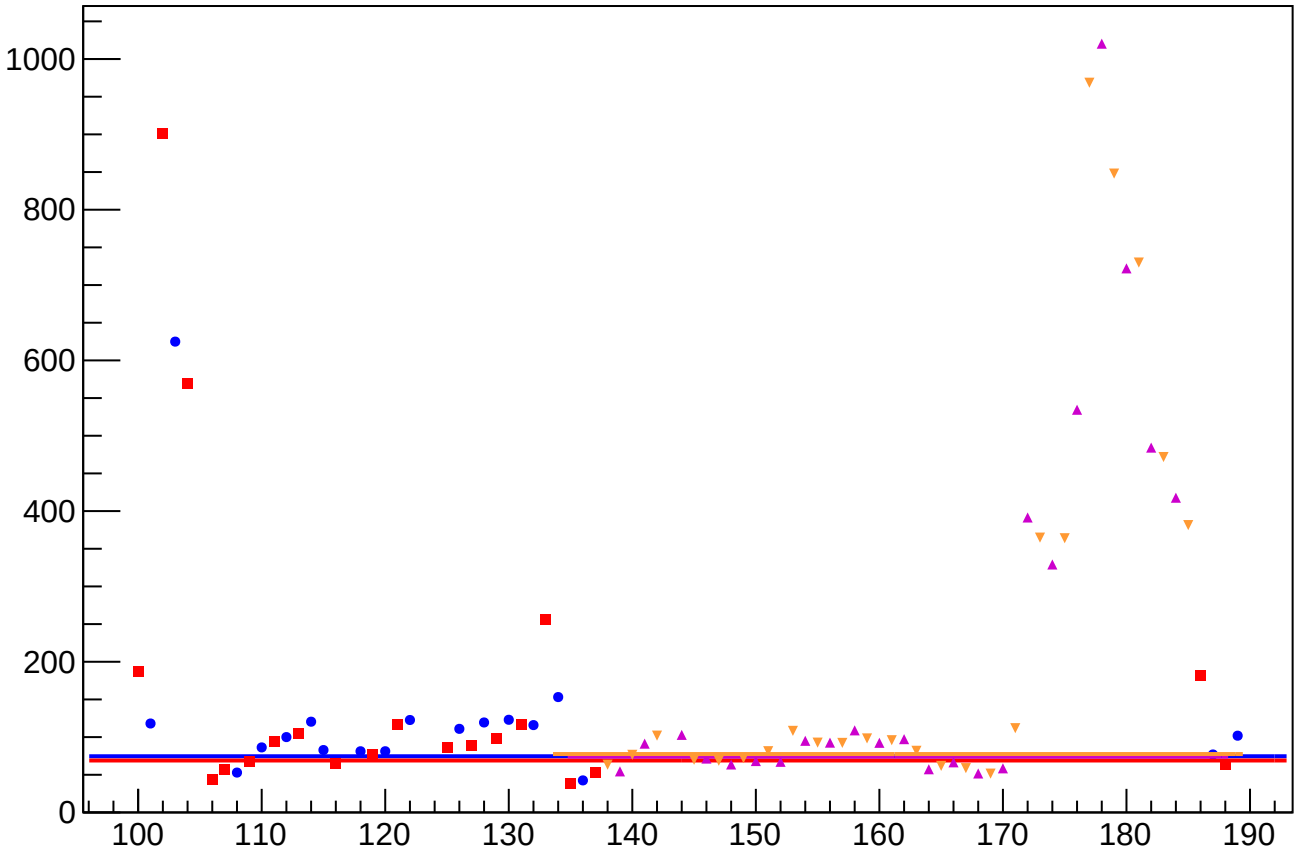
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
180
190
Right In: 0.008+/-0.000 χ²/NDF: 2672709.1/17
Left Out: 0.004+/-0.000 χ²/NDF:8650909.7/23
Right Out: 0.007+/-0.000 χ²/NDF: 2837194.4/19
Left In: 0.004+/-0.000 χ²/NDF:6886421.5/22
+ sign 0.005+/-0.000 χ²/NDF: 13766469.7/41
All: 0.005+/-0.000 χ²/NDF: 25480688.6/84
- sign 0.005+/-0.000 χ²/NDF: 11712991.0/42


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.031 χ²/NDF: 10.7/17
Left Out: -0.064+/-0.022 χ²/NDF:22.3/23
Right Out: 0.055+/-0.029 χ²/NDF: 14.7/19
Left In: -0.013+/-0.021 χ²/NDF:15.0/22
+ sign -0.043+/-0.018 χ²/NDF: 35.9/41
All: -0.014+/-0.012 χ²/NDF: 73.8/84
- sign 0.011+/-0.017 χ²/NDF: 33.3/42



Right In: 74.582+/-0.022 χ^2/NDF: 2921670.8/17

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

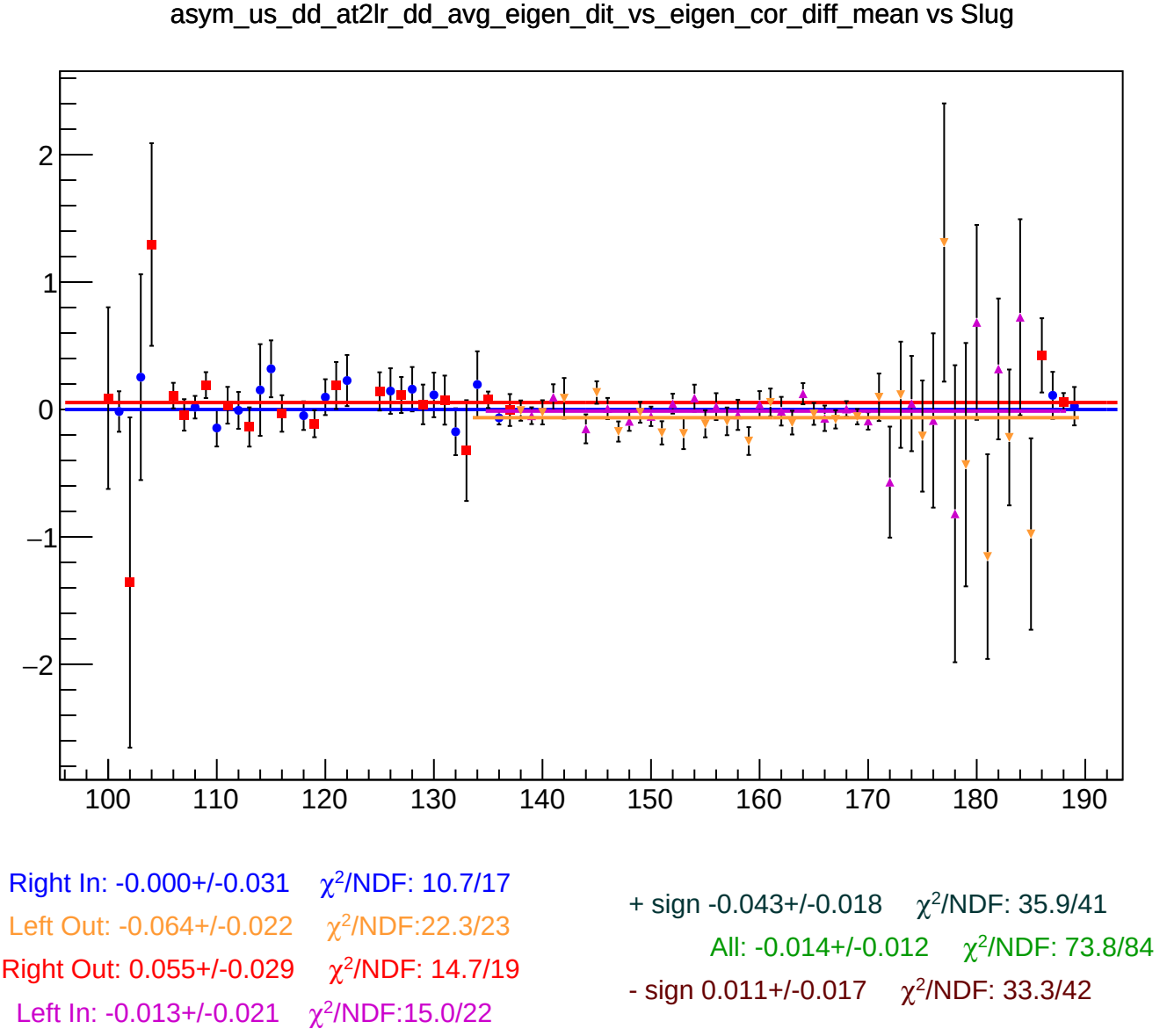
Right Out: 68.968+/-0.020 χ^2/NDF: 3644860.8/19

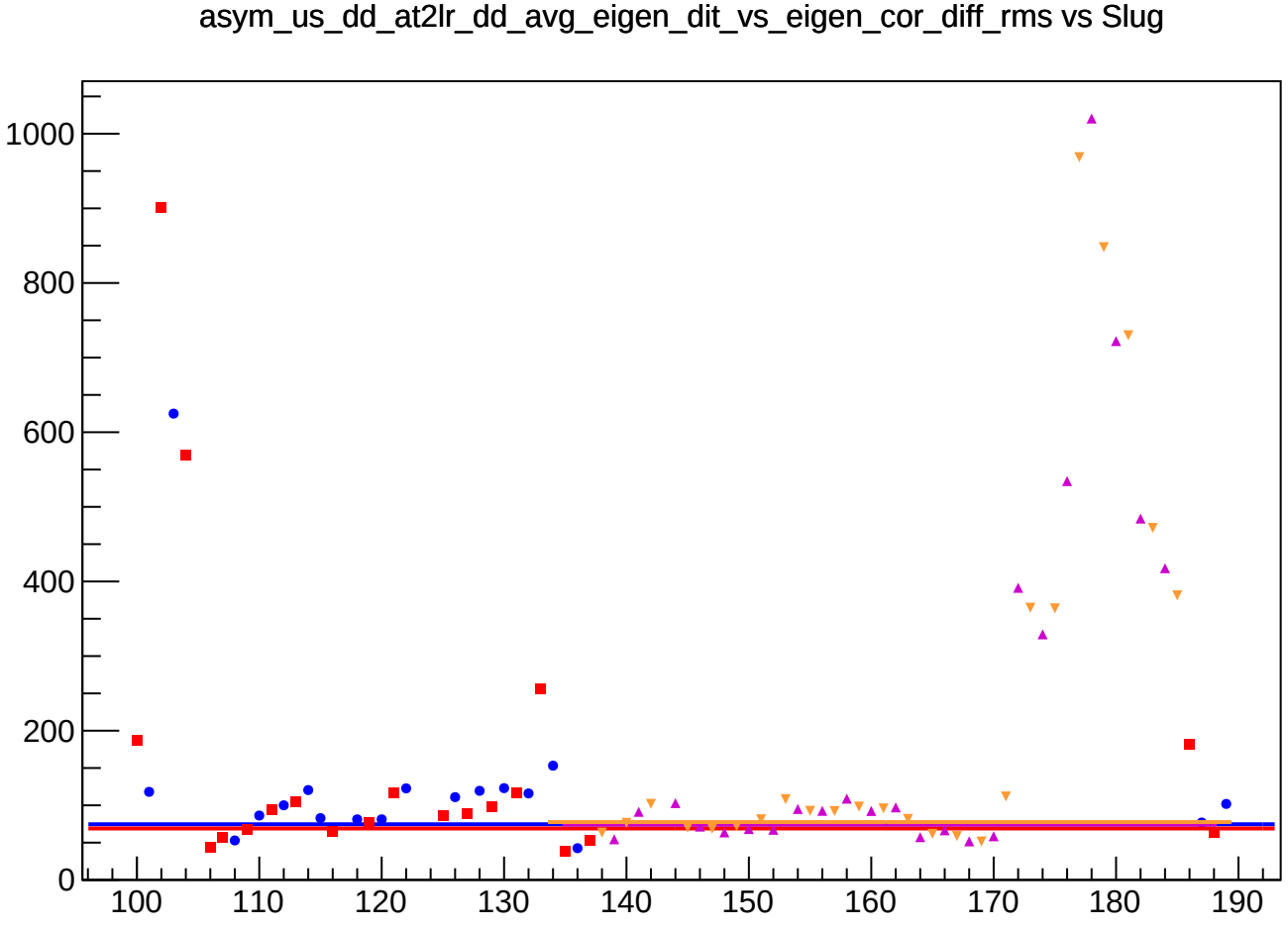
Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

+ sign 76.541+/-0.013 χ^2/NDF: 11264759.2/41

All: 74.344+/-0.009 χ^2/NDF: 23522972.2/84

- sign 72.380+/-0.012 χ^2/NDF: 12201867.0/42


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.031 χ²/NDF: 10.7/17
Left Out: -0.064+/-0.022 χ²/NDF:22.3/23
Right Out: 0.055+/-0.029 χ²/NDF: 14.7/19
Left In: -0.013+/-0.021 χ²/NDF:15.0/22
+ sign -0.043+/-0.018 χ²/NDF: 35.9/41
All: -0.014+/-0.012 χ²/NDF: 73.8/84
- sign 0.011+/-0.017 χ²/NDF: 33.3/42



Right In: 74.582+/-0.022 χ^2/NDF: 2921670.8/17

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

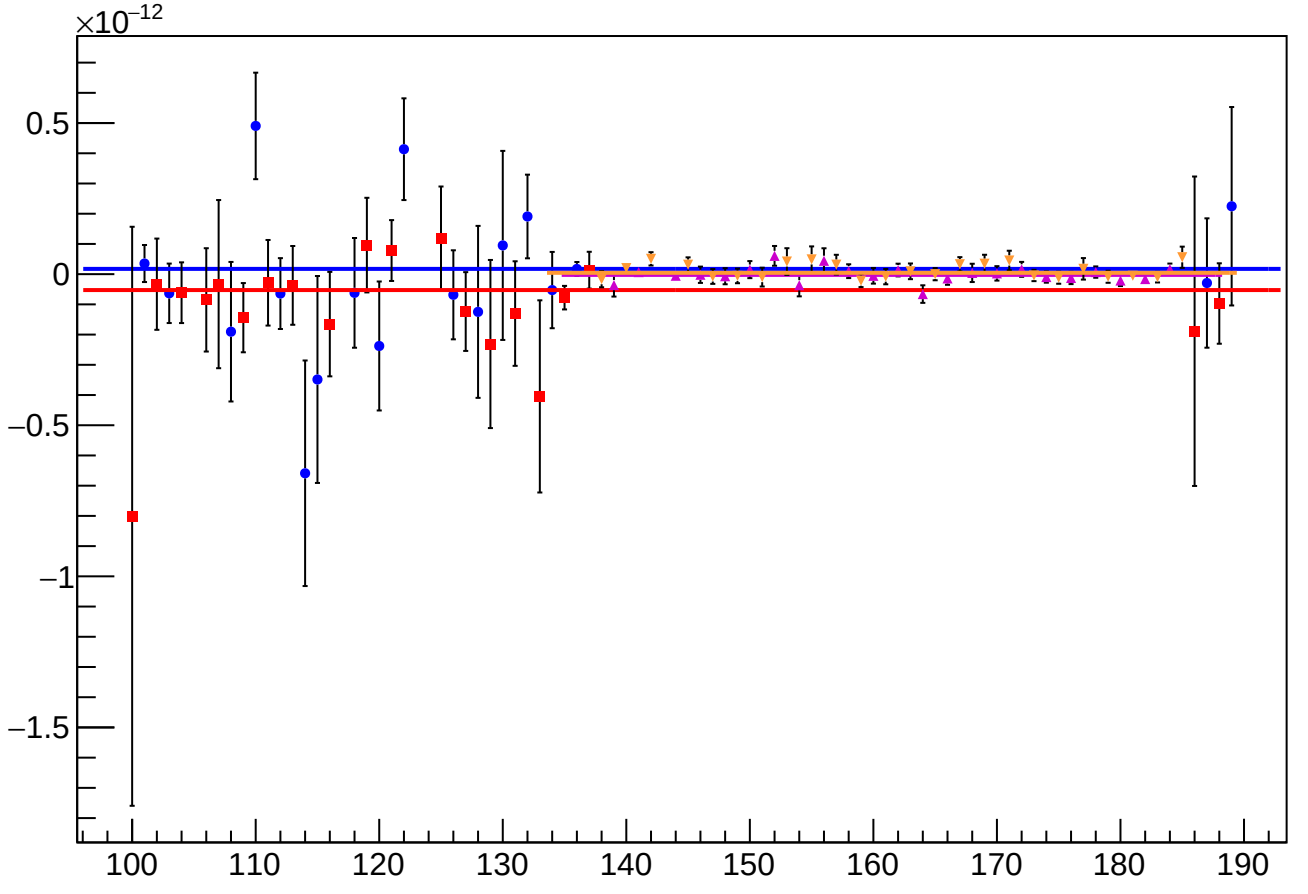
Right Out: 68.968+/-0.020 χ^2/NDF: 3644860.8/19

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

+ sign 76.541+/-0.013 χ^2/NDF: 11264759.2/41

All: 74.344+/-0.009 χ^2/NDF: 23522972.2/84

- sign 72.380+/-0.012 χ^2/NDF: 12201867.0/42



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:21.7/23

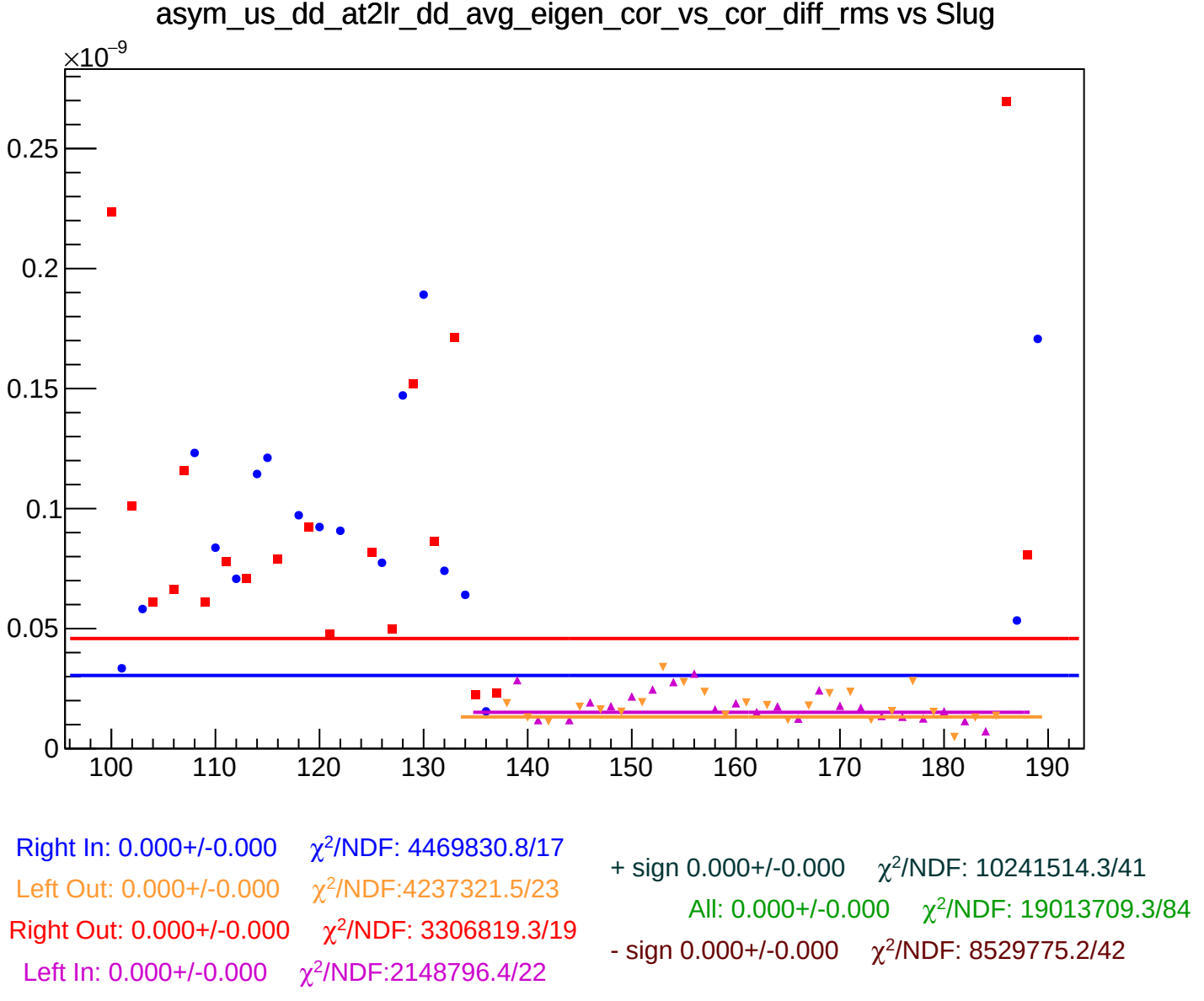
Right Out: -0.000+/-0.000 χ^2/NDF: 9.3/19

Left In: -0.000+/-0.000 χ^2/NDF:17.5/22

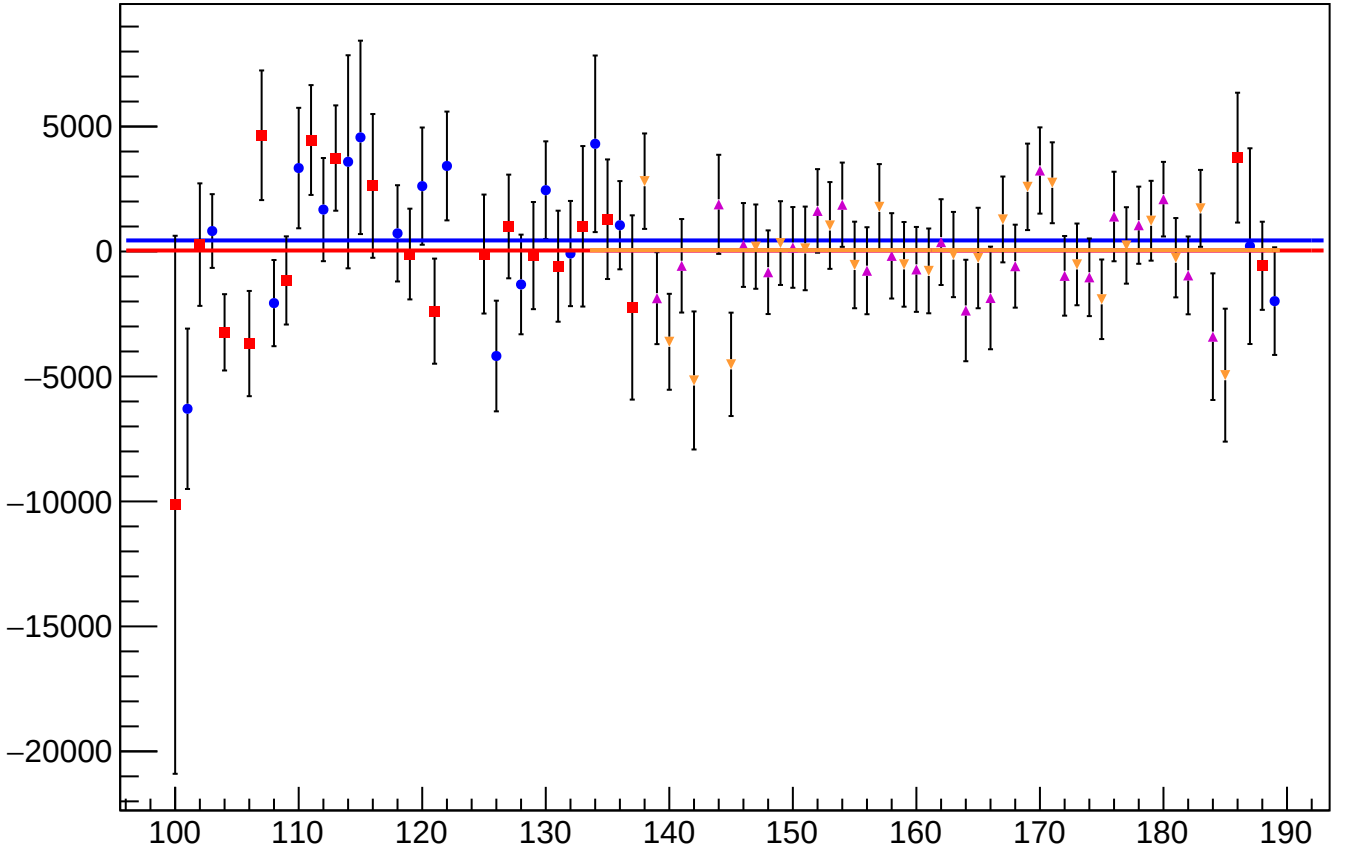
+ sign 0.000+/-0.000 χ^2/NDF: 45.9/41

All: 0.000+/-0.000 χ^2/NDF: 79.0/84

- sign -0.000+/-0.000 χ^2/NDF: 30.9/42


asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 4469830.8/17
Left Out: 0.000+/-0.000 χ²/NDF:4237321.5/23
Right Out: 0.000+/-0.000 χ²/NDF: 3306819.3/19
Left In: 0.000+/-0.000 χ²/NDF:2148796.4/22
+ sign 0.000+/-0.000 χ²/NDF: 10241514.3/41
All: 0.000+/-0.000 χ²/NDF: 19013709.3/84
- sign 0.000+/-0.000 χ²/NDF: 8529775.2/42

reg_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 443.037+/-519.204 χ^2/NDF: 21.7/17

Left Out: 54.770+/-356.375 χ^2/NDF:28.5/23

Right Out: 40.309+/-498.318 χ^2/NDF: 24.7/19

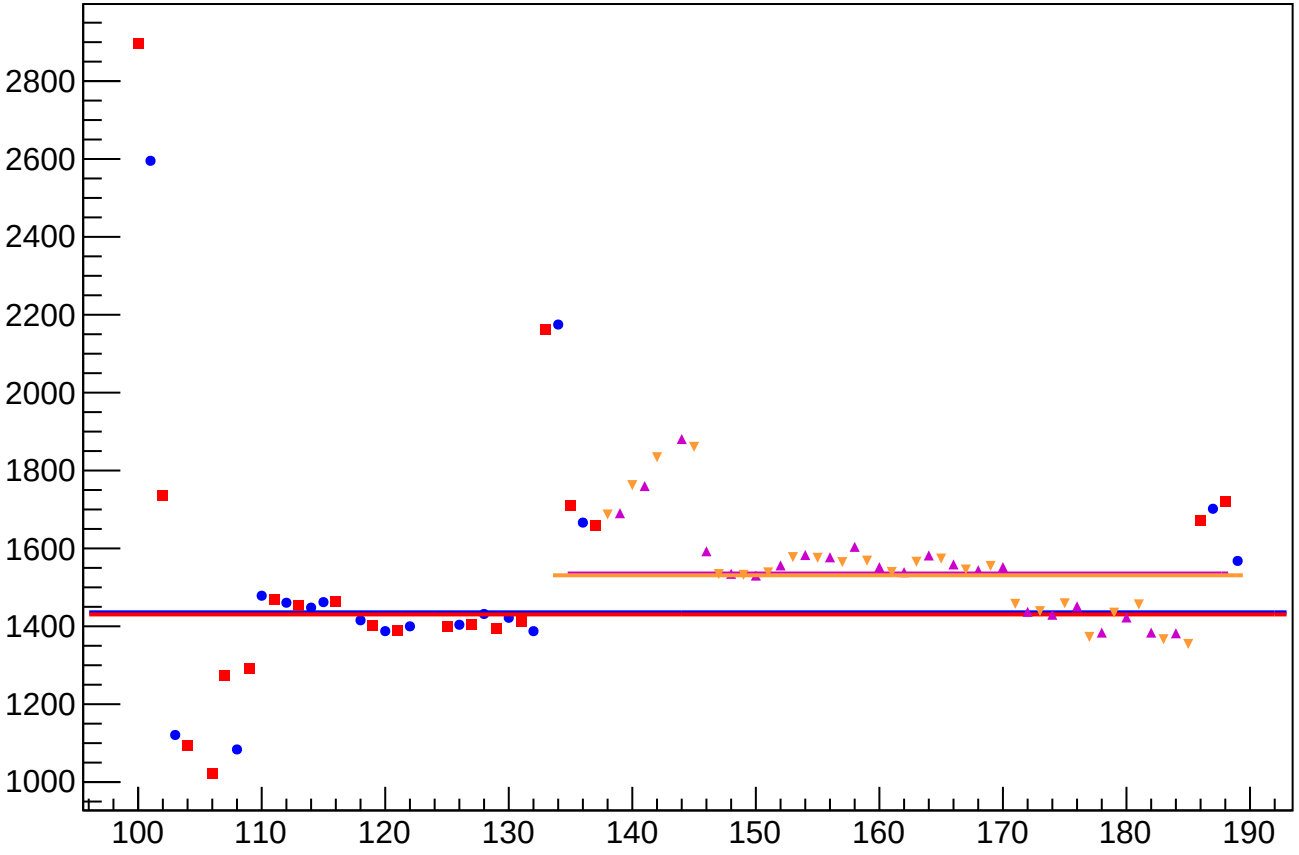
Left In: 48.177+/-359.531 χ^2/NDF:16.8/22

+ sign 179.113+/-293.820 χ^2/NDF: 50.5/41

All: 111.783+/-206.961 χ^2/NDF: 92.1/84

- sign 45.483+/-291.565 χ^2/NDF: 41.5/42

reg_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1435.877+/-0.367 χ^2/NDF: 578224.9/17

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.8/23

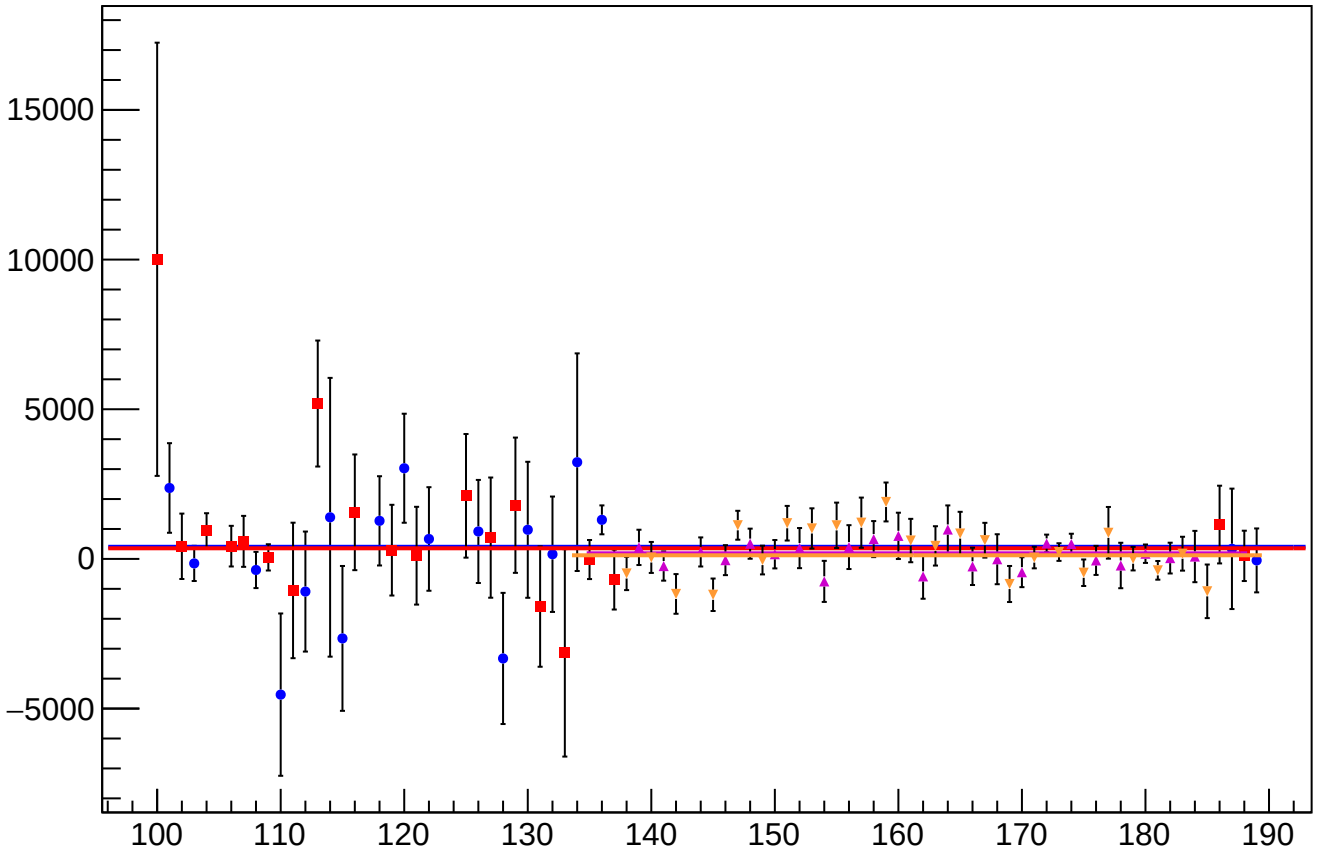
Right Out: 1430.498+/-0.352 χ^2/NDF: 474652.3/19

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1500.521+/-0.208 χ^2/NDF: 827374.0/41

All: 1500.050+/-0.146 χ^2/NDF: 1552925.5/84

- sign 1499.587+/-0.206 χ^2/NDF: 725541.3/42



Right In: 404.856+/-264.817 χ^2/NDF: 19.5/17

Left Out: 121.327+/-105.060 χ^2/NDF:43.6/23

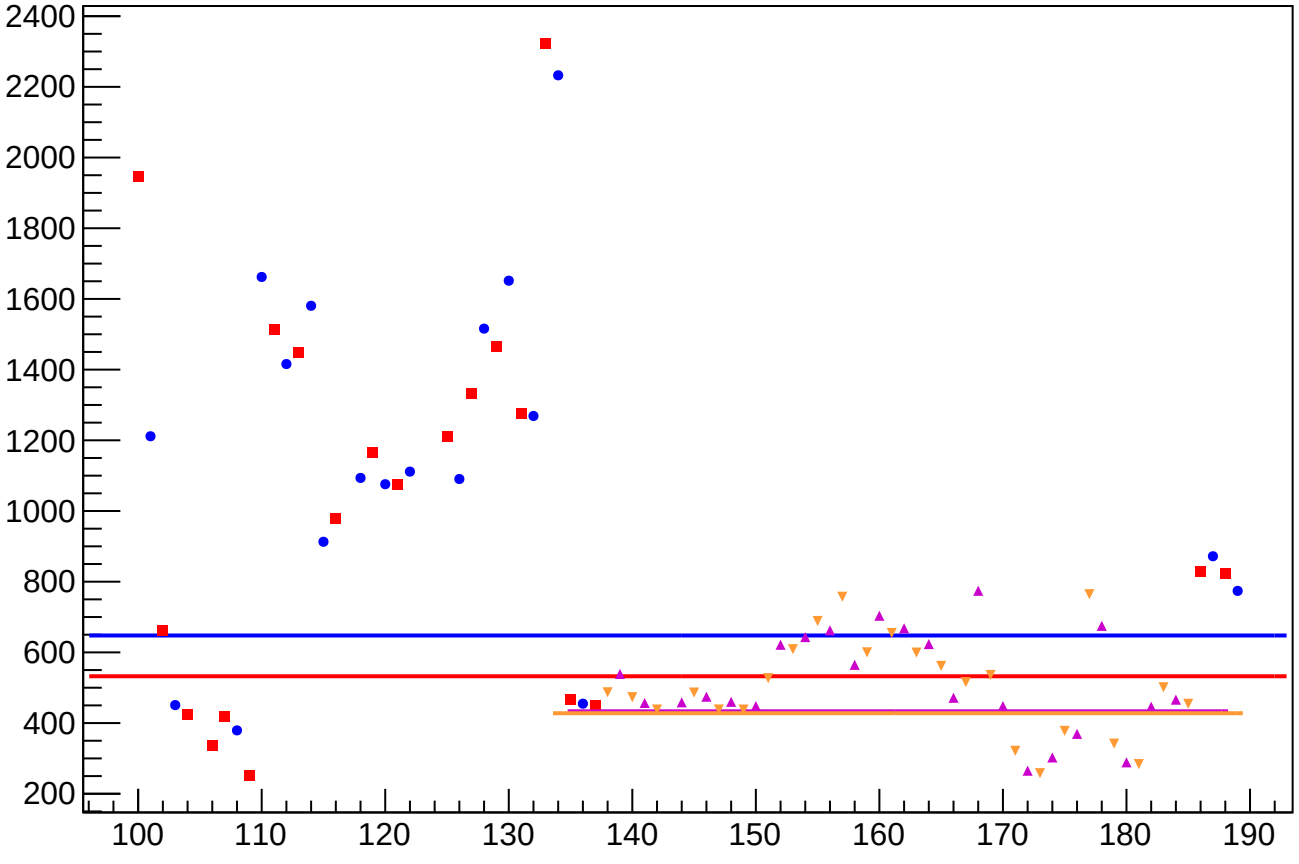
Right Out: 354.708+/-221.888 χ^2/NDF: 14.4/19

Left In: 186.828+/-106.975 χ^2/NDF:11.6/22

+ sign 159.884+/-97.655 χ^2/NDF: 64.2/41

All: 189.578+/-68.591 χ^2/NDF: 90.8/84

- sign 218.489+/-96.361 χ^2/NDF: 26.4/42



Right In: 647.781+/-0.187 χ^2/NDF: 3809576.1/17

Left Out: 427.814+/-0.074 χ^2/NDF:3188159.5/23

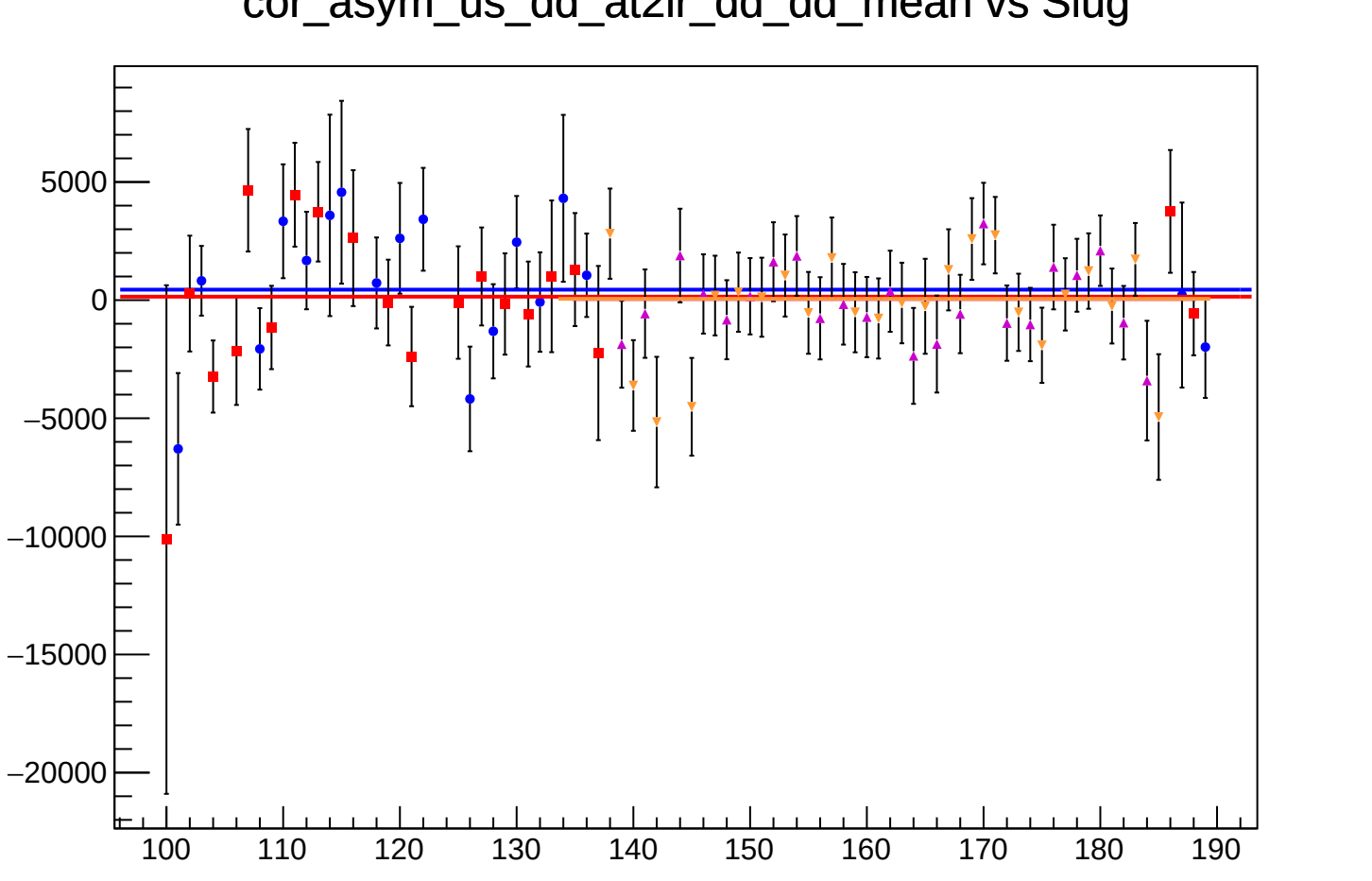
Right Out: 532.428+/-0.157 χ^2/NDF: 4692907.5/19

Left In: 433.283+/-0.076 χ^2/NDF:3247998.9/22

+ sign 457.727+/-0.069 χ^2/NDF: 8189990.5/41

All: 454.816+/-0.049 χ^2/NDF: 16458399.6/84

- sign 451.982+/-0.068 χ^2/NDF: 8264901.8/42



Right In: 442.921+/-519.204 χ^2/NDF: 21.7/17

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: 146.561+/-500.492 χ^2/NDF: 22.5/19

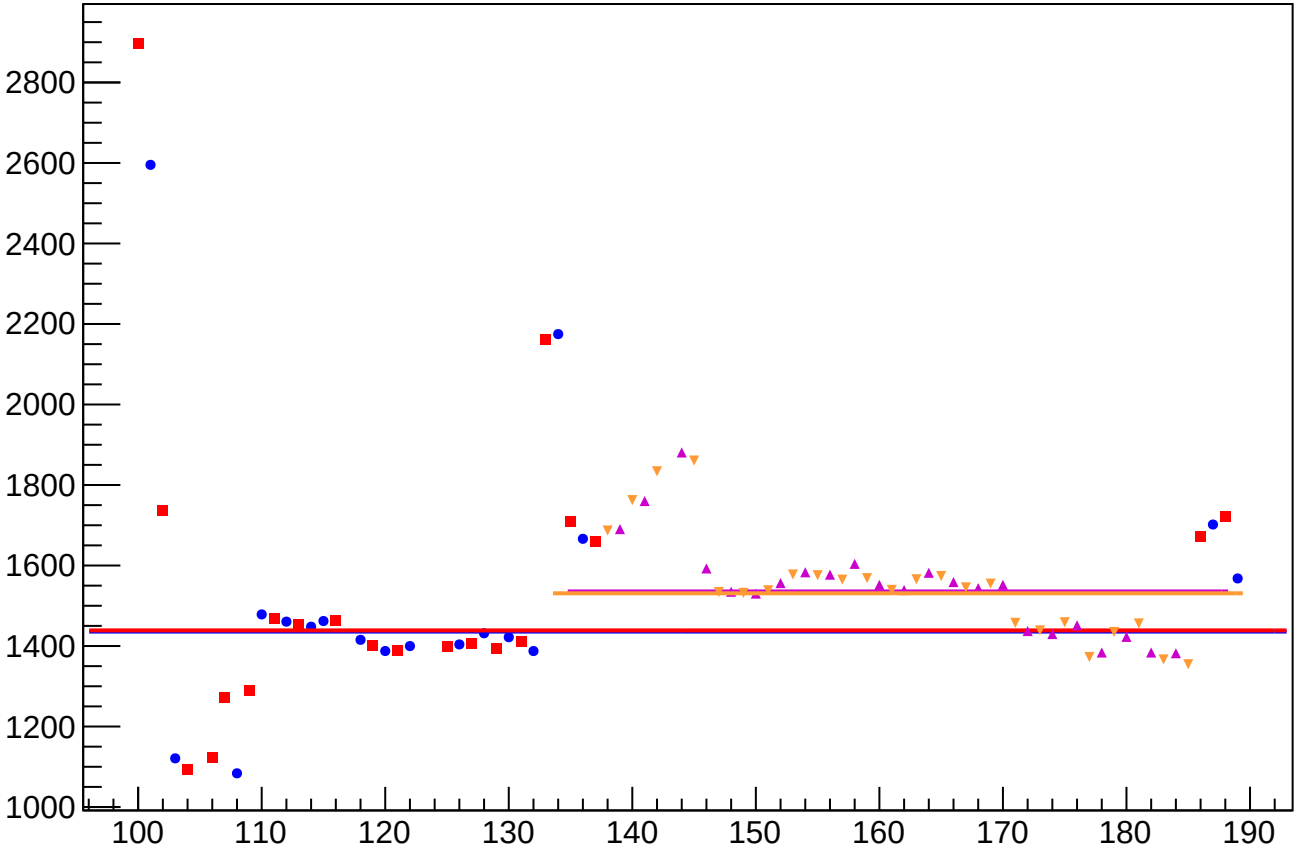
Left In: 48.256+/-359.531 χ^2/NDF:16.8/22

+ sign 179.051+/-293.820 χ^2/NDF: 50.5/41

All: 130.081+/-207.115 χ^2/NDF: 89.9/84

- sign 81.717+/-291.999 χ^2/NDF: 39.3/42

cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1435.877+/-0.367 χ^2/NDF: 578225.1/17

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

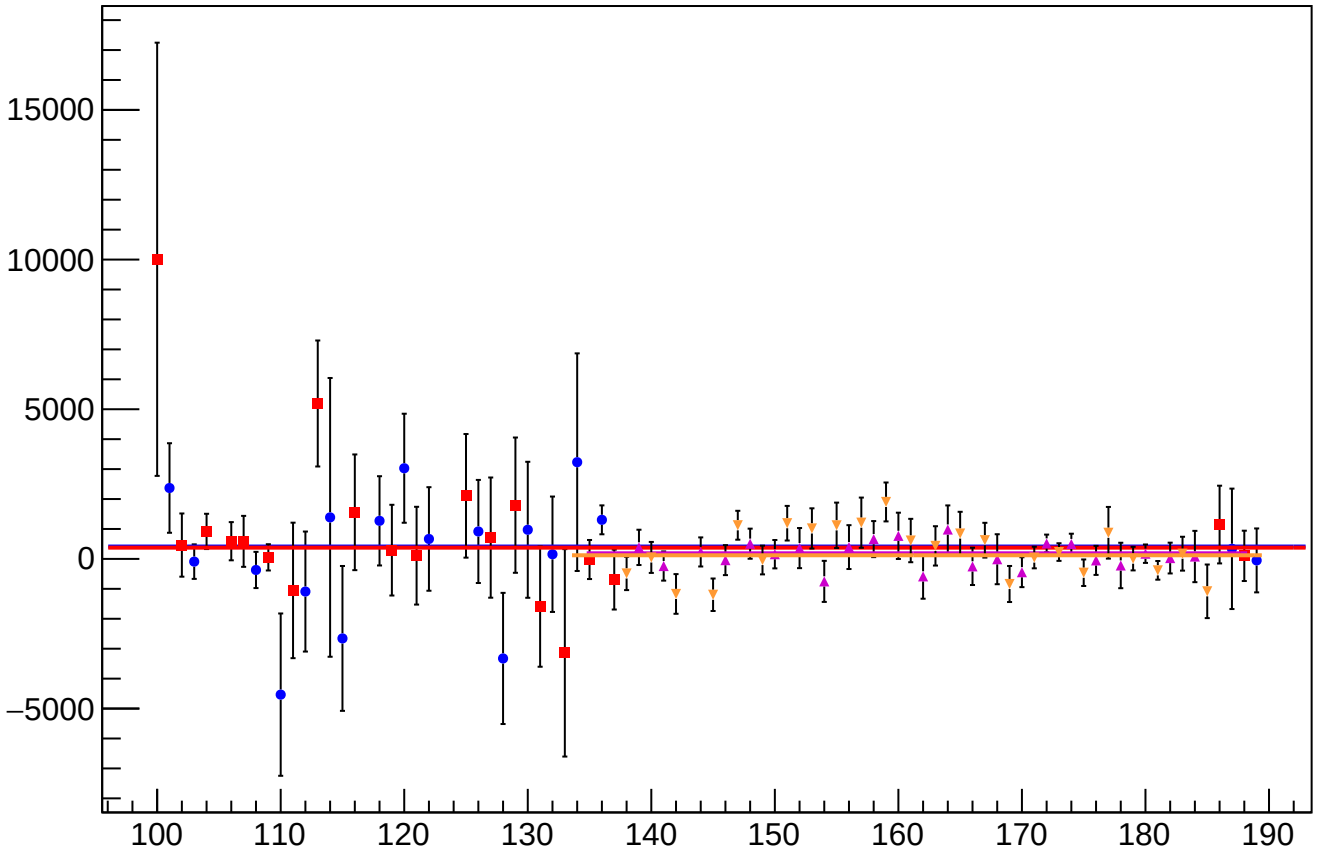
Right Out: 1438.800+/-0.354 χ^2/NDF: 435402.8/19

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1500.520+/-0.208 χ^2/NDF: 827374.4/41

All: 1501.576+/-0.146 χ^2/NDF: 1504560.1/84

- sign 1502.618+/-0.206 χ^2/NDF: 677134.4/42



Right In: 413.027+/-263.774 χ^2/NDF: 19.4/17

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

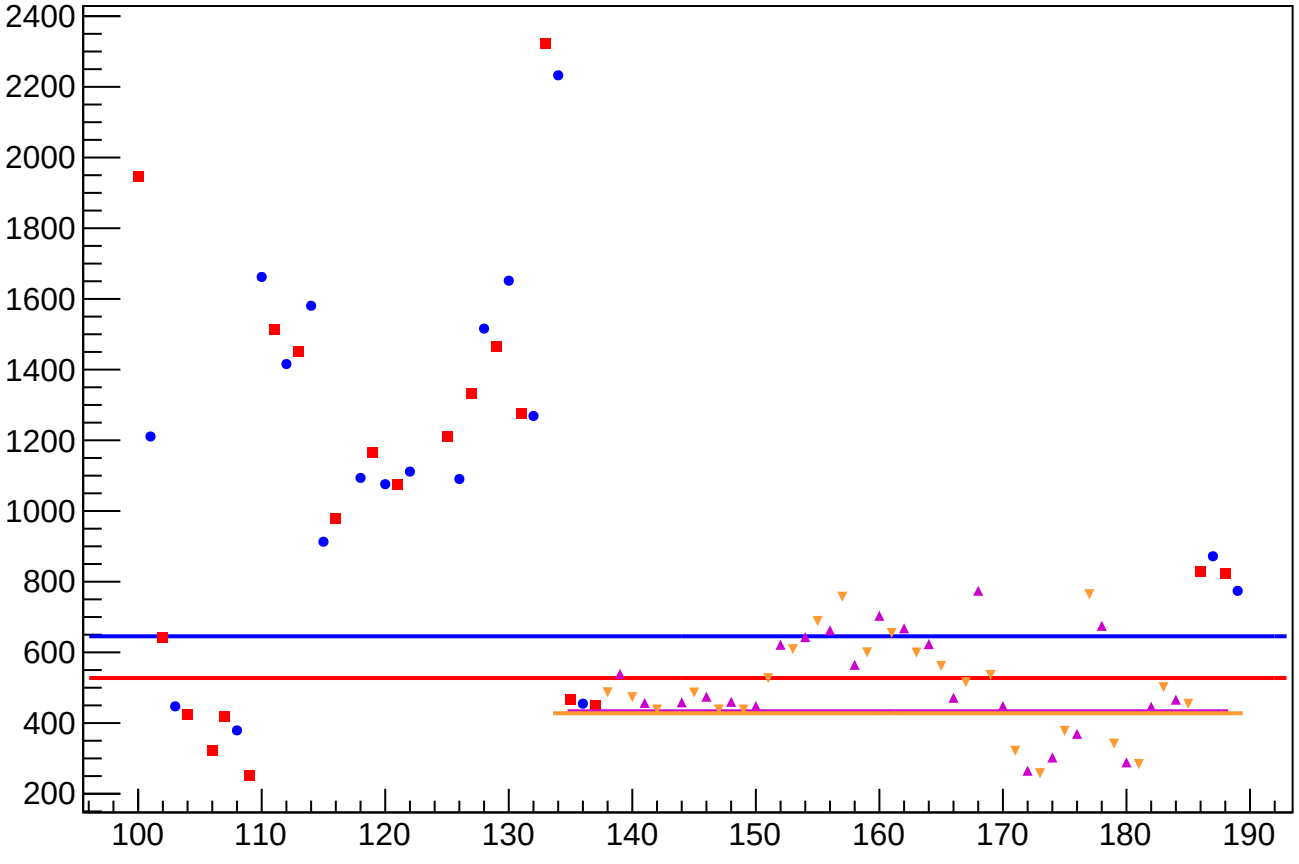
Right Out: 376.237+/-219.839 χ^2/NDF: 14.5/19

Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

+ sign 161.265+/-97.603 χ^2/NDF: 64.1/41

All: 192.714+/-68.511 χ^2/NDF: 91.0/84

- sign 223.260+/-96.191 χ^2/NDF: 26.7/42



Right In: 645.486+/-0.187 χ^2/NDF: 3826356.7/17

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

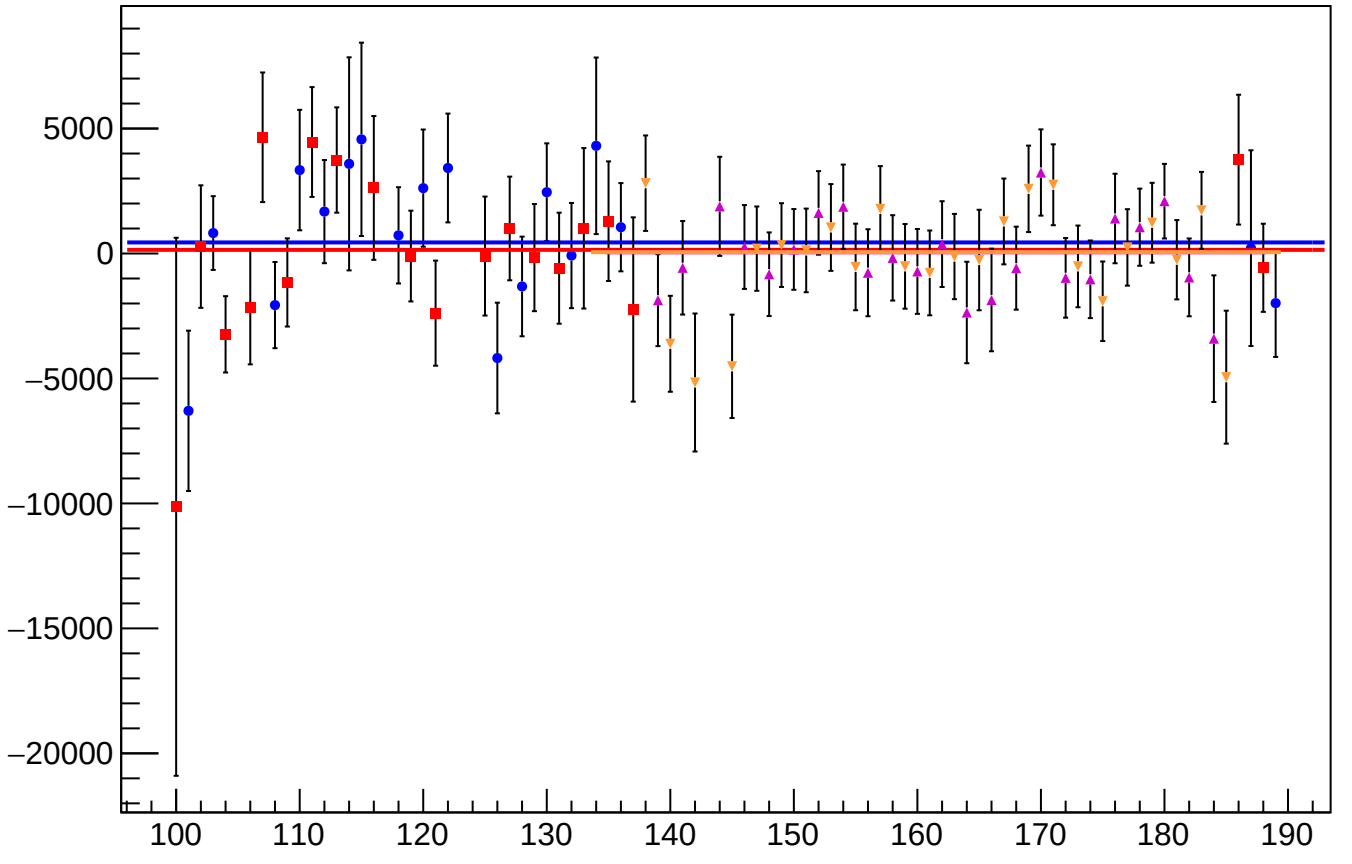
Right Out: 527.456+/-0.155 χ^2/NDF: 4733628.5/19

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

+ sign 457.617+/-0.069 χ^2/NDF: 8190246.9/41

All: 454.420+/-0.048 χ^2/NDF: 16472707.2/84

- sign 451.314+/-0.068 χ^2/NDF: 8278229.0/42



Right In: 442.921+/-519.204 χ^2/NDF: 21.7/17

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: 146.561+/-500.492 χ^2/NDF: 22.5/19

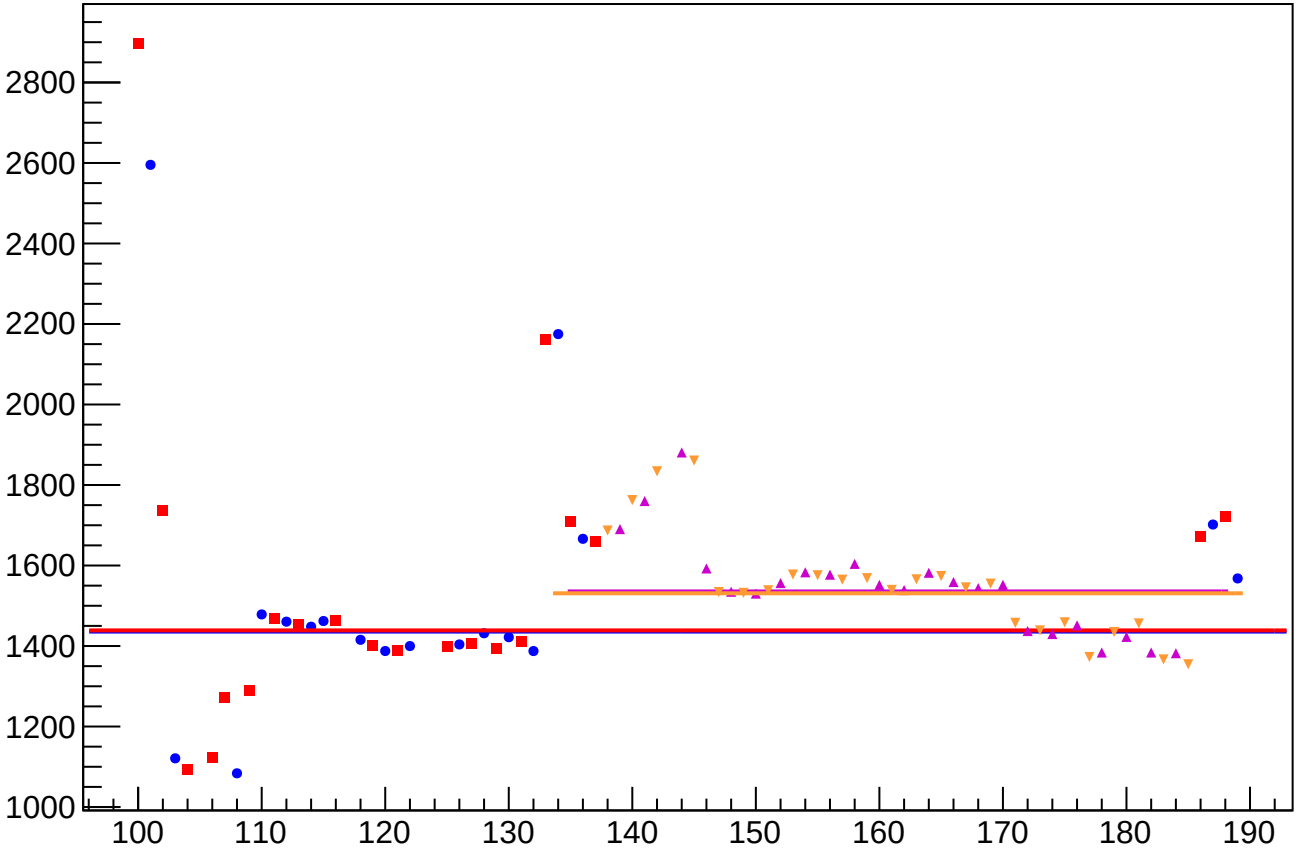
Left In: 48.256+/-359.531 χ^2/NDF:16.8/22

\+ sign 179.051+/-293.820 χ^2/NDF: 50.5/41

All: 130.081+/-207.115 χ^2/NDF: 89.9/84

\- sign 81.717+/-291.999 χ^2/NDF: 39.3/42

eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1435.877+/-0.367 χ^2/NDF: 578225.1/17

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

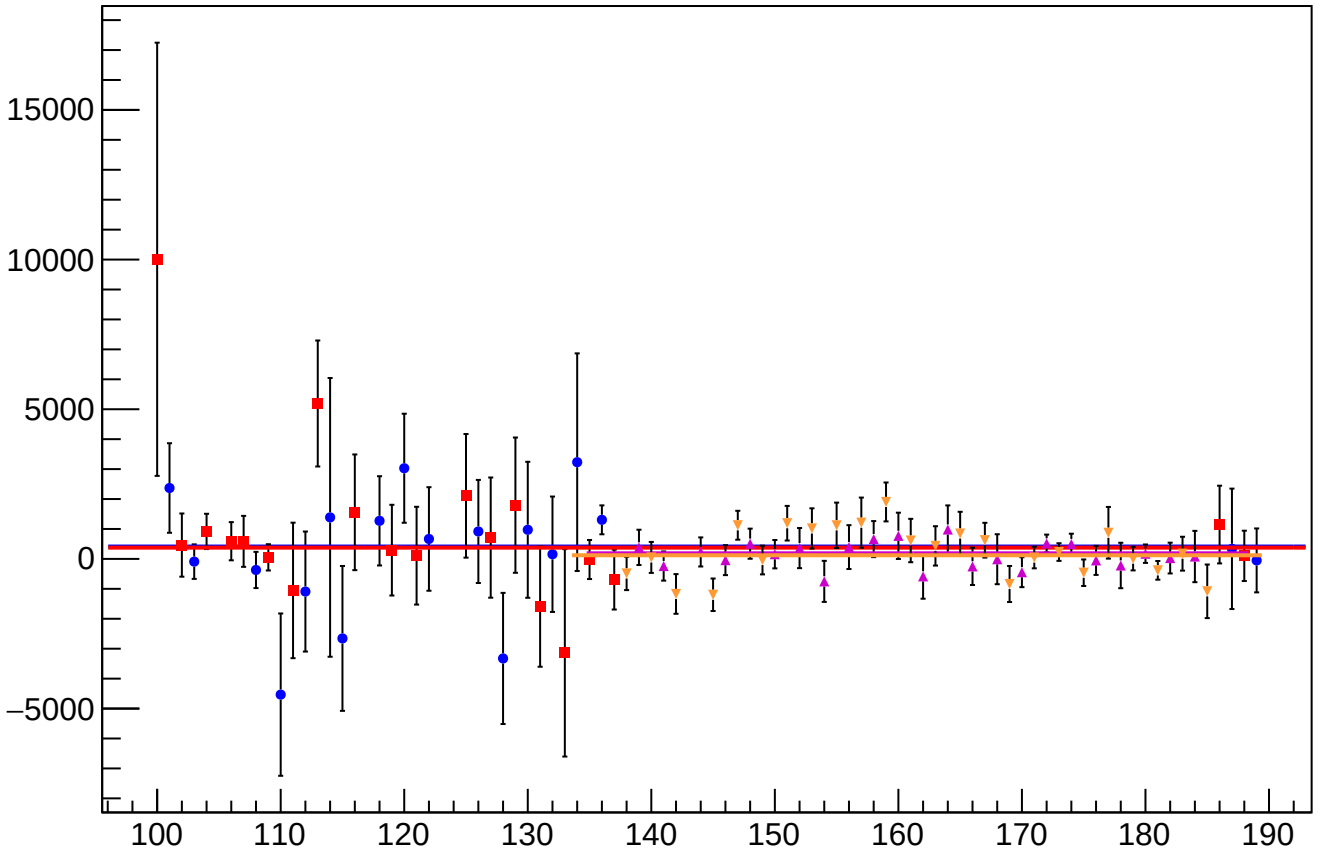
Right Out: 1438.800+/-0.354 χ^2/NDF: 435402.8/19

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1500.520+/-0.208 χ^2/NDF: 827374.4/41

All: 1501.576+/-0.146 χ^2/NDF: 1504560.1/84

- sign 1502.618+/-0.206 χ^2/NDF: 677134.4/42



Right In: 413.027+/-263.774 χ^2/NDF: 19.4/17

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

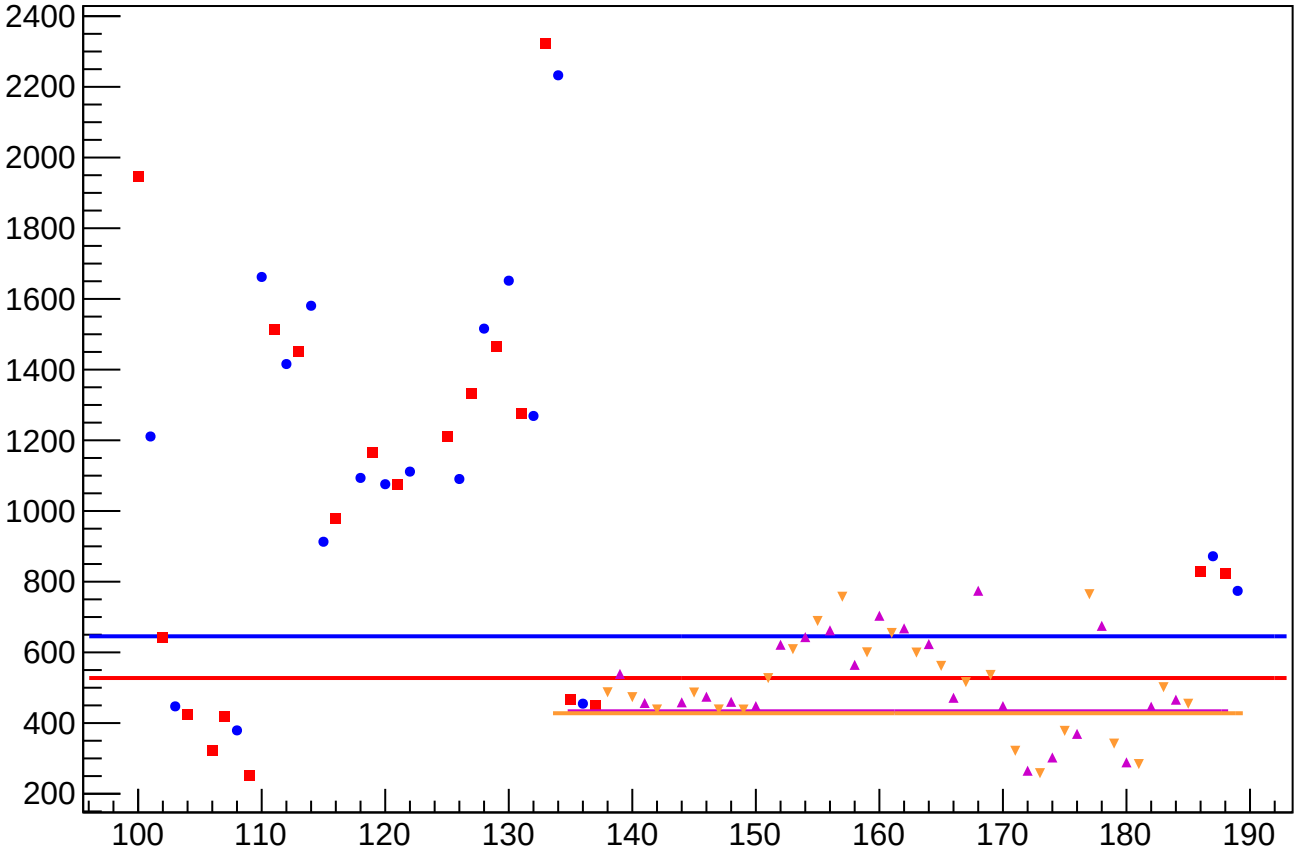
Right Out: 376.237+/-219.839 χ^2/NDF: 14.5/19

Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

+ sign 161.265+/-97.603 χ^2/NDF: 64.1/41

All: 192.714+/-68.511 χ^2/NDF: 91.0/84

- sign 223.260+/-96.191 χ^2/NDF: 26.7/42



Right In: 645.486+/-0.187 χ^2/NDF: 3826356.7/17

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 527.456+/-0.155 χ^2/NDF: 4733628.5/19

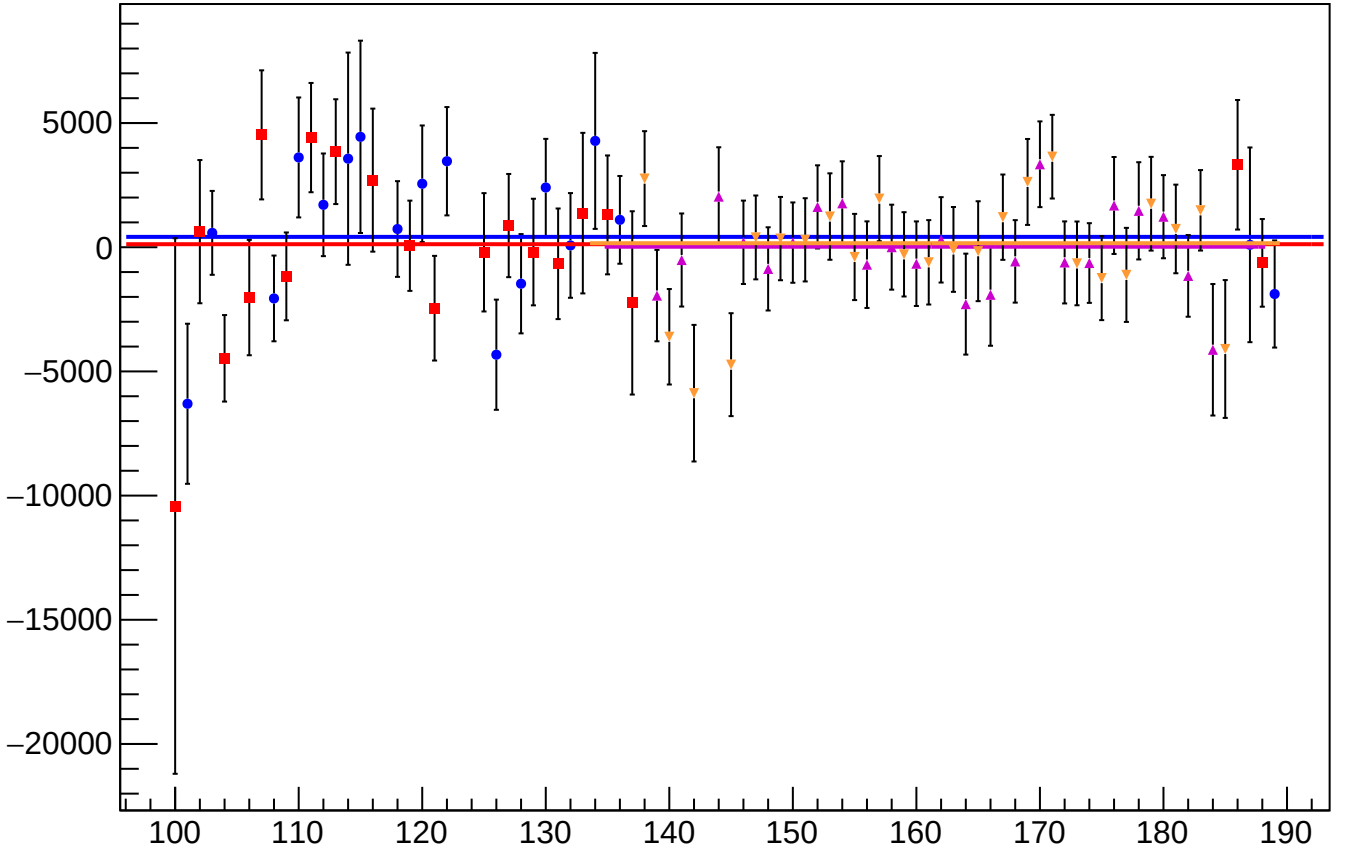
Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

+ sign 457.617+/-0.069 χ^2/NDF: 8190246.9/41

All: 454.420+/-0.048 χ^2/NDF: 16472707.2/84

- sign 451.314+/-0.068 χ^2/NDF: 8278229.0/42

dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 416.629+/-527.764 χ^2/NDF: 22.0/17

Left Out: 161.591+/-368.366 χ^2/NDF:29.9/23

Right Out: 121.784+/-510.944 χ^2/NDF: 24.2/19

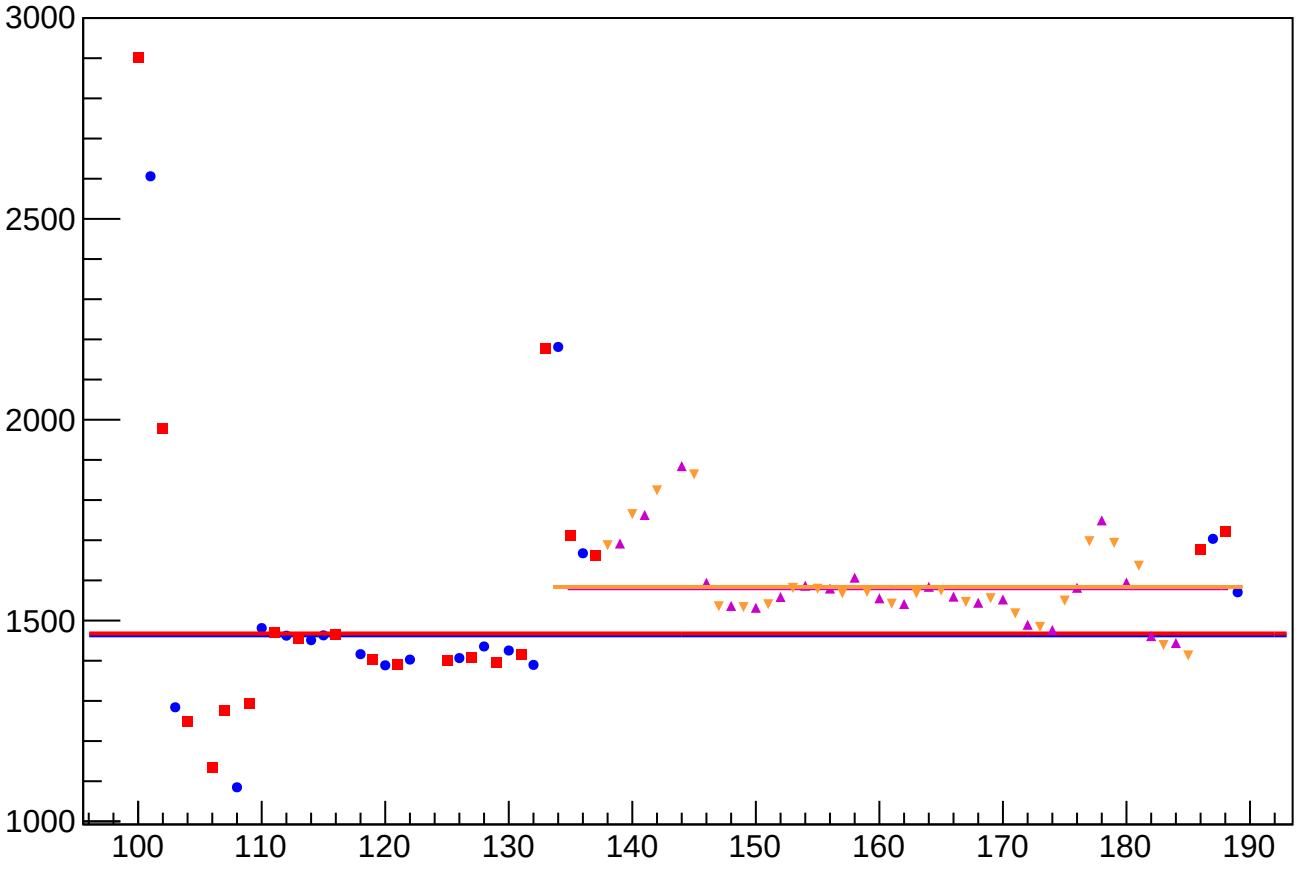
Left In: 20.252+/-369.781 χ^2/NDF:16.0/22

+ sign 245.137+/-302.064 χ^2/NDF: 52.1/41

All: 149.354+/-212.701 χ^2/NDF: 92.5/84

- sign 55.152+/-299.560 χ^2/NDF: 40.2/42

dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1463.262+/-0.373 χ^2/NDF: 501188.5/17

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.1/23

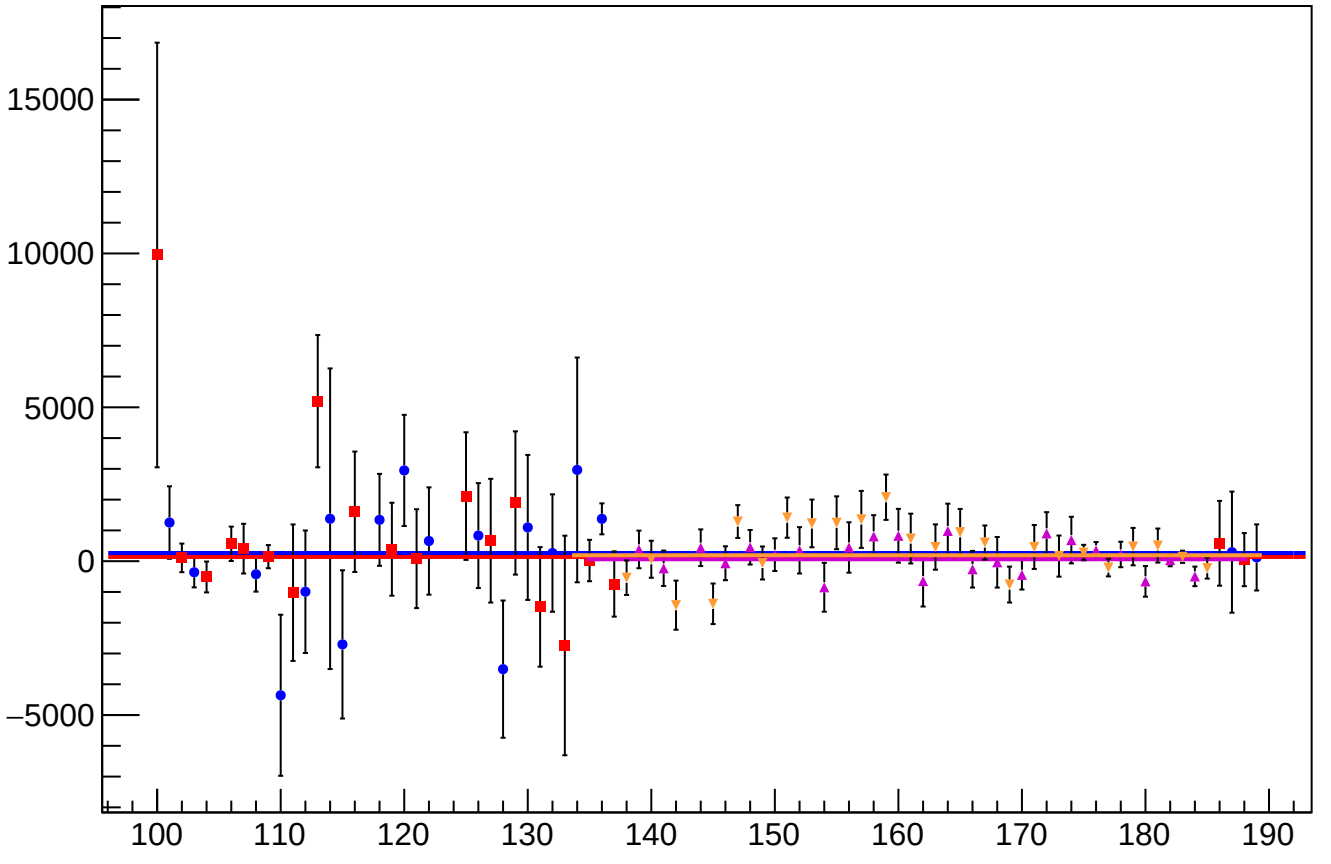
Right Out: 1467.853+/-0.361 χ^2/NDF: 390867.6/19

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1544.229+/-0.214 χ^2/NDF: 704775.8/41

All: 1542.982+/-0.150 χ^2/NDF: 1285213.7/84

- sign 1541.756+/-0.212 χ^2/NDF: 580370.3/42



Right In: 265.458+/-251.122 χ^2/NDF: 20.2/17

Left Out: 193.307+/-95.894 χ^2/NDF:40.1/23

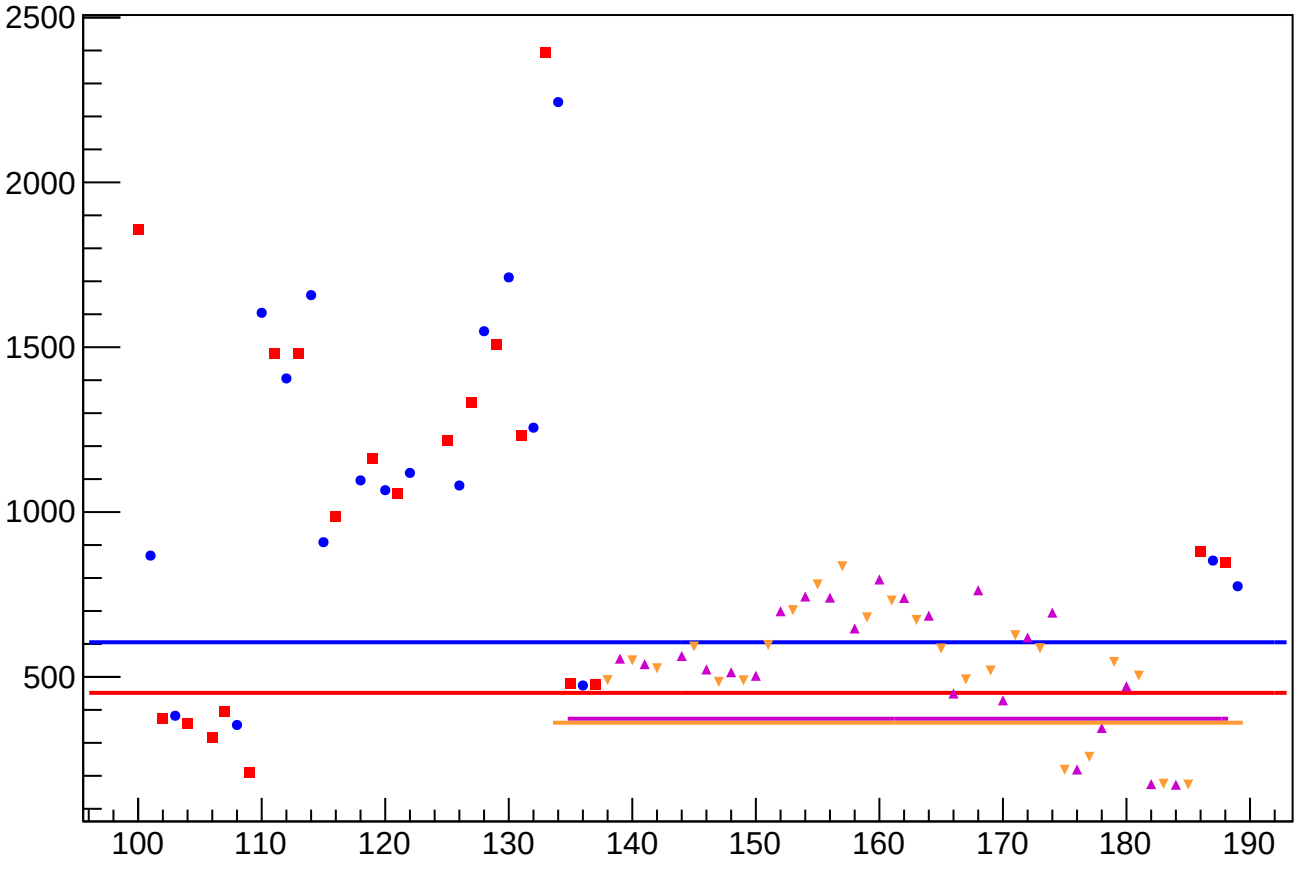
Right Out: 137.070+/-189.256 χ^2/NDF: 14.5/19

Left In: 62.183+/-99.717 χ^2/NDF:17.0/22

+ sign 202.489+/-89.584 χ^2/NDF: 60.4/41

All: 139.521+/-62.858 χ^2/NDF: 93.0/84

- sign 78.455+/-88.221 χ^2/NDF: 31.7/42


asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug
2500
2000
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1000
500
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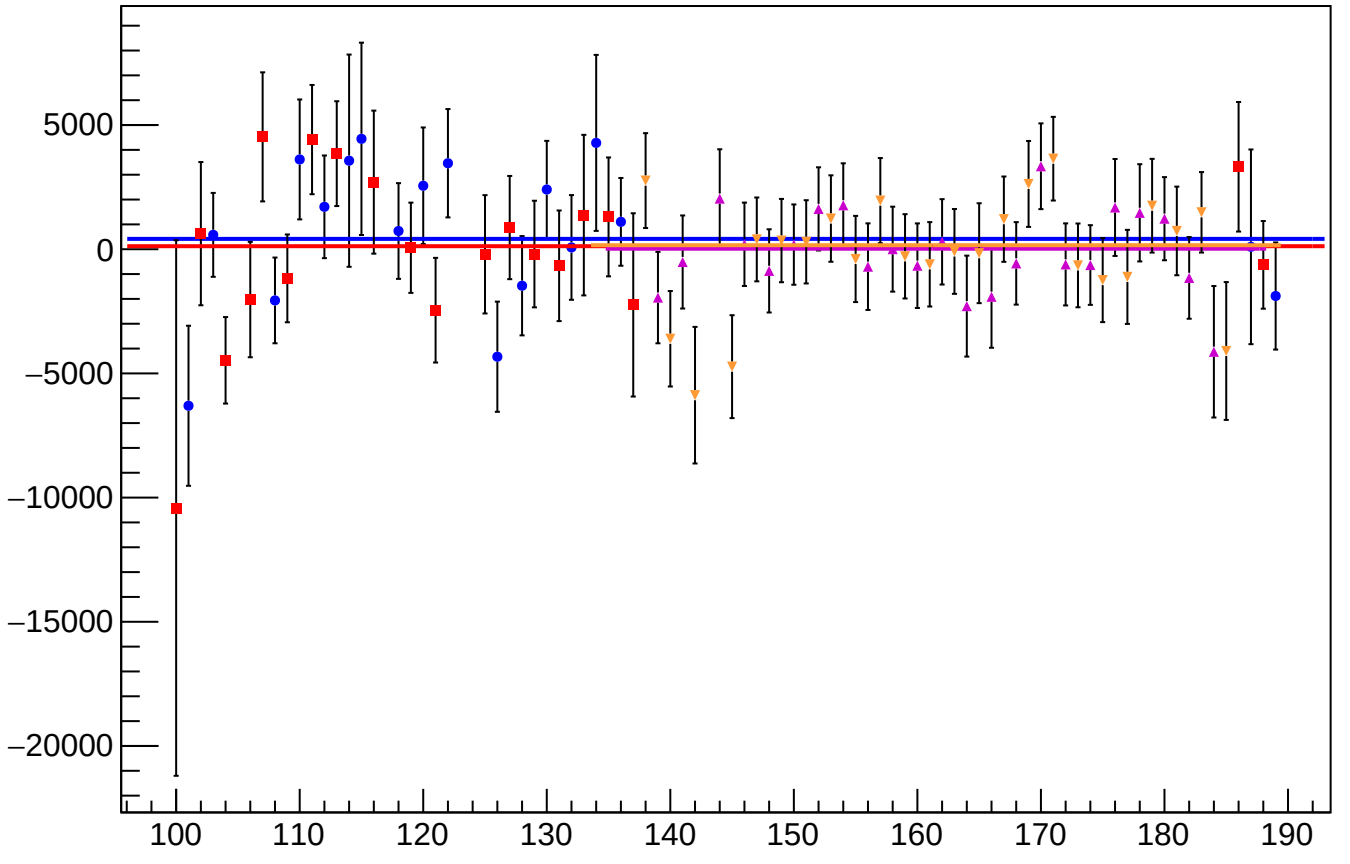
110
120
130
140
150
160
170
180
190
Right In: 605.091+/-0.178 χ²/NDF: 3973313.4/17
Left Out: 361.100+/-0.068 χ²/NDF:8183123.9/23
Right Out: 451.619+/-0.134 χ²/NDF: 5512461.3/19
Left In: 373.140+/-0.071 χ²/NDF:8207354.5/22
+ sign 392.150+/-0.063 χ²/NDF: 13804199.2/41
All: 391.157+/-0.044 χ²/NDF: 27793678.4/84
- sign 390.193+/-0.062 χ²/NDF: 13988994.5/42



Right In: 416.629+/-527.764 χ^2/NDF: 22.0/17

Left Out: 161.587+/-368.366 χ^2/NDF:29.9/23

Right Out: 121.783+/-510.944 χ^2/NDF: 24.2/19

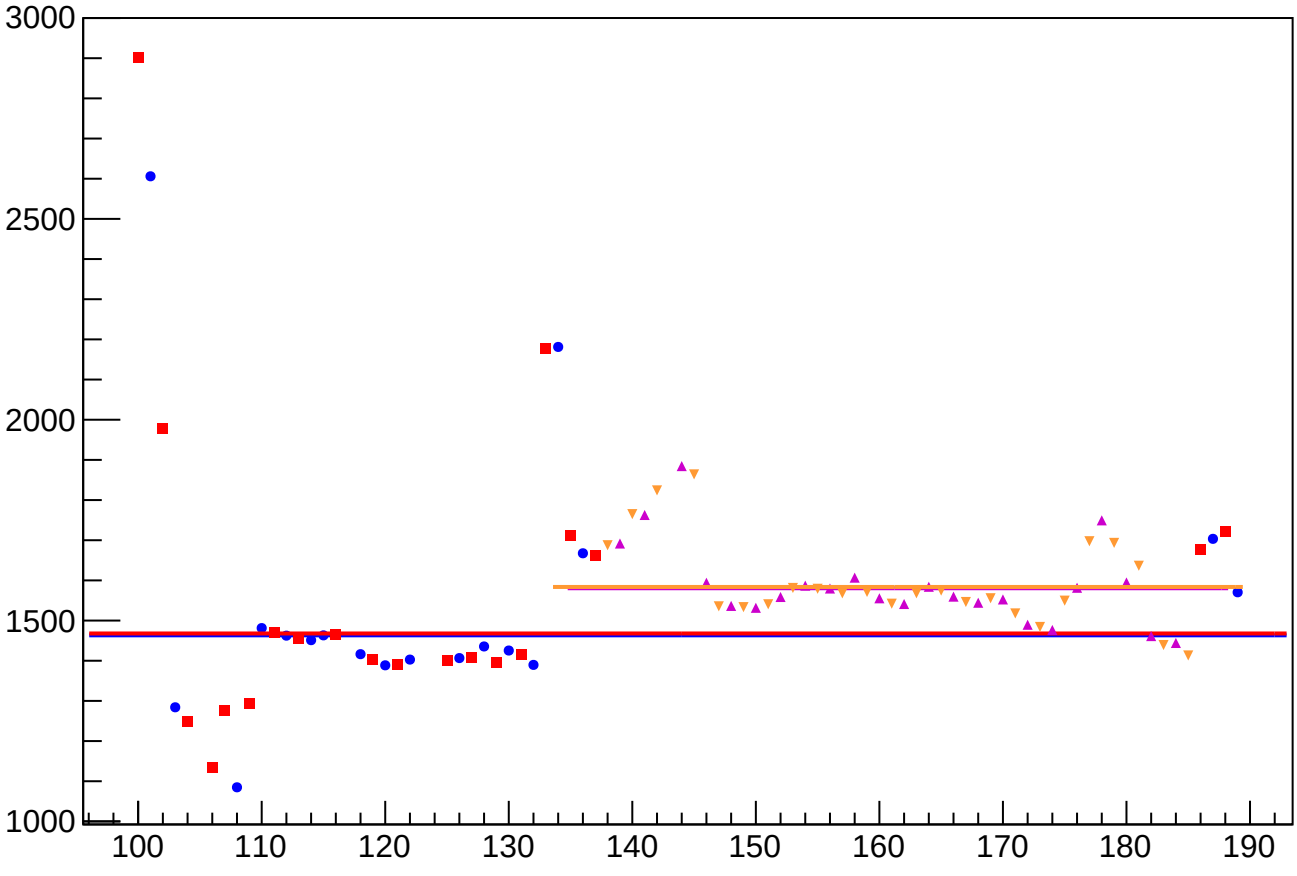
Left In: 20.250+/-369.781 χ^2/NDF:16.0/22

+ sign 245.134+/-302.064 χ^2/NDF: 52.1/41

All: 149.352+/-212.701 χ^2/NDF: 92.5/84

- sign 55.150+/-299.560 χ^2/NDF: 40.2/42

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1463.262+/-0.373 χ^2/NDF: 501188.1/17

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.3/23

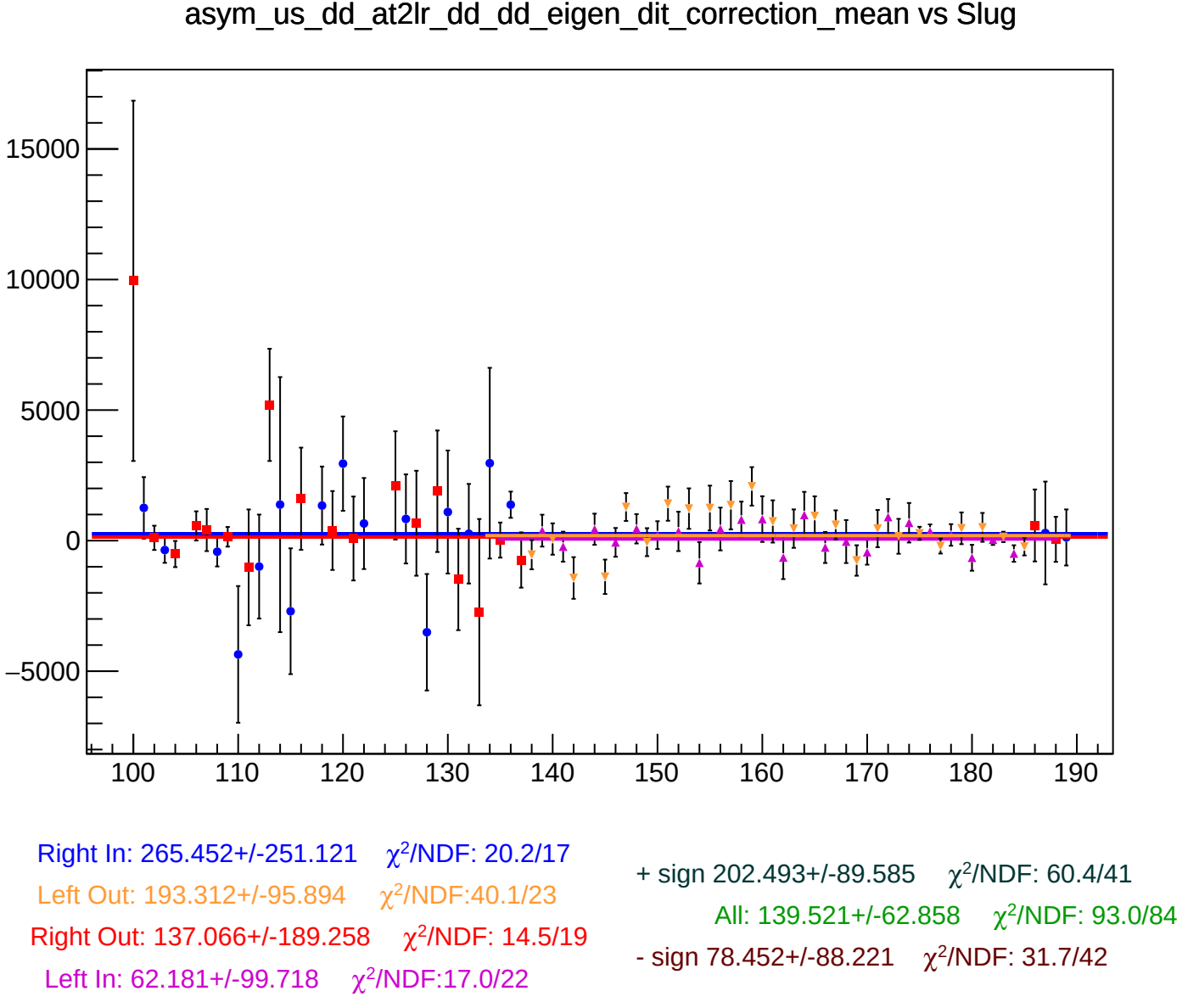
Right Out: 1467.853+/-0.361 χ^2/NDF: 390867.8/19

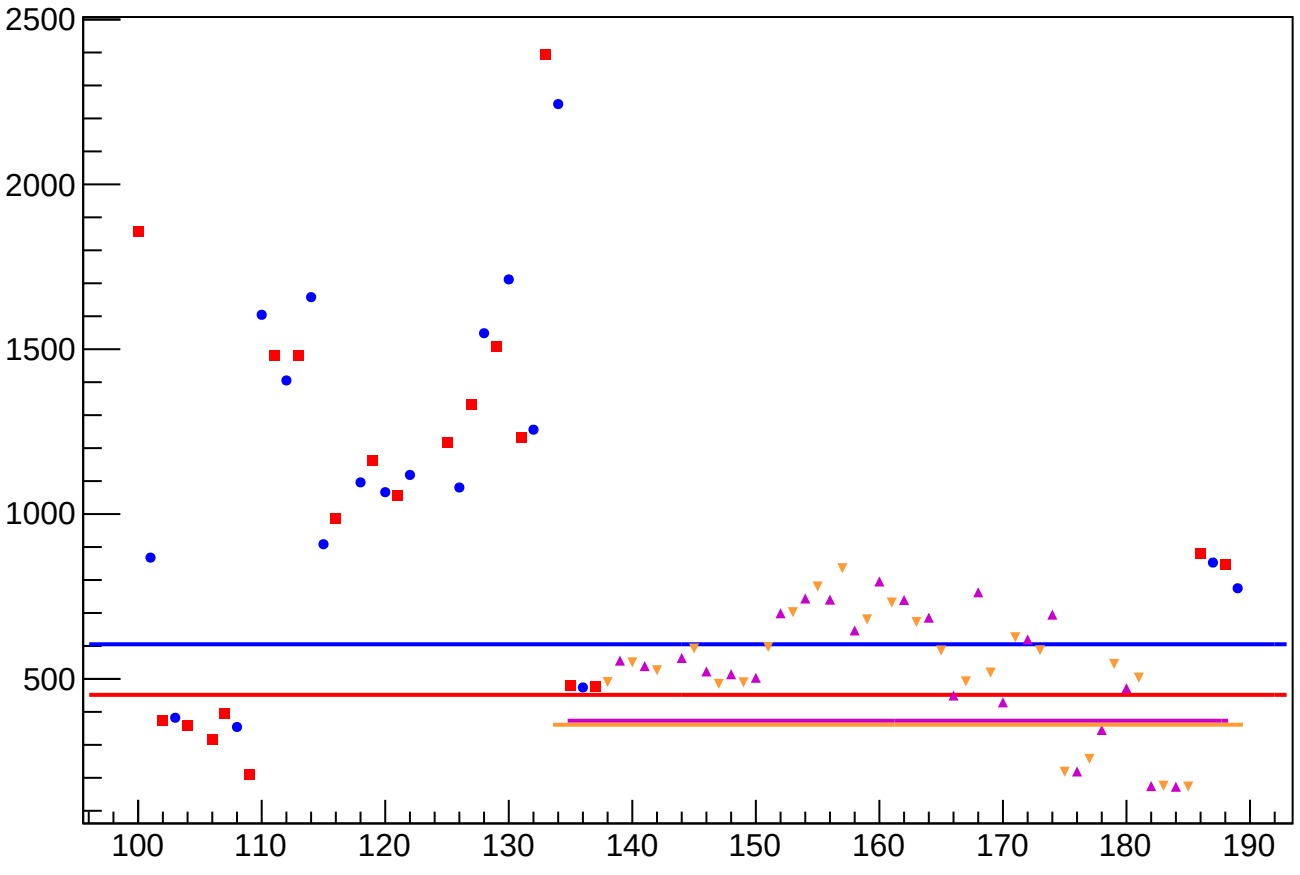
Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1544.229+/-0.214 χ^2/NDF: 704775.3/41

All: 1542.982+/-0.150 χ^2/NDF: 1285213.1/84

- sign 1541.756+/-0.212 χ^2/NDF: 580370.2/42


asym_us_dd_at2lr_dd_dd_eigen_dit_correction_mean vs Slug
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
170
180
190
Right In: 265.452+/-251.121 χ²/NDF: 20.2/17
Left Out: 193.312+/-95.894 χ²/NDF:40.1/23
Right Out: 137.066+/-189.258 χ²/NDF: 14.5/19
Left In: 62.181+/-99.718 χ²/NDF:17.0/22
+ sign 202.493+/-89.585 χ²/NDF: 60.4/41
All: 139.521+/-62.858 χ²/NDF: 93.0/84
- sign 78.452+/-88.221 χ²/NDF: 31.7/42



Right In: 605.089+/-0.178 χ^2/NDF: 3973350.2/17

Left Out: 361.103+/-0.068 χ^2/NDF:8182968.2/23

Right Out: 451.625+/-0.134 χ^2/NDF: 5512386.8/19

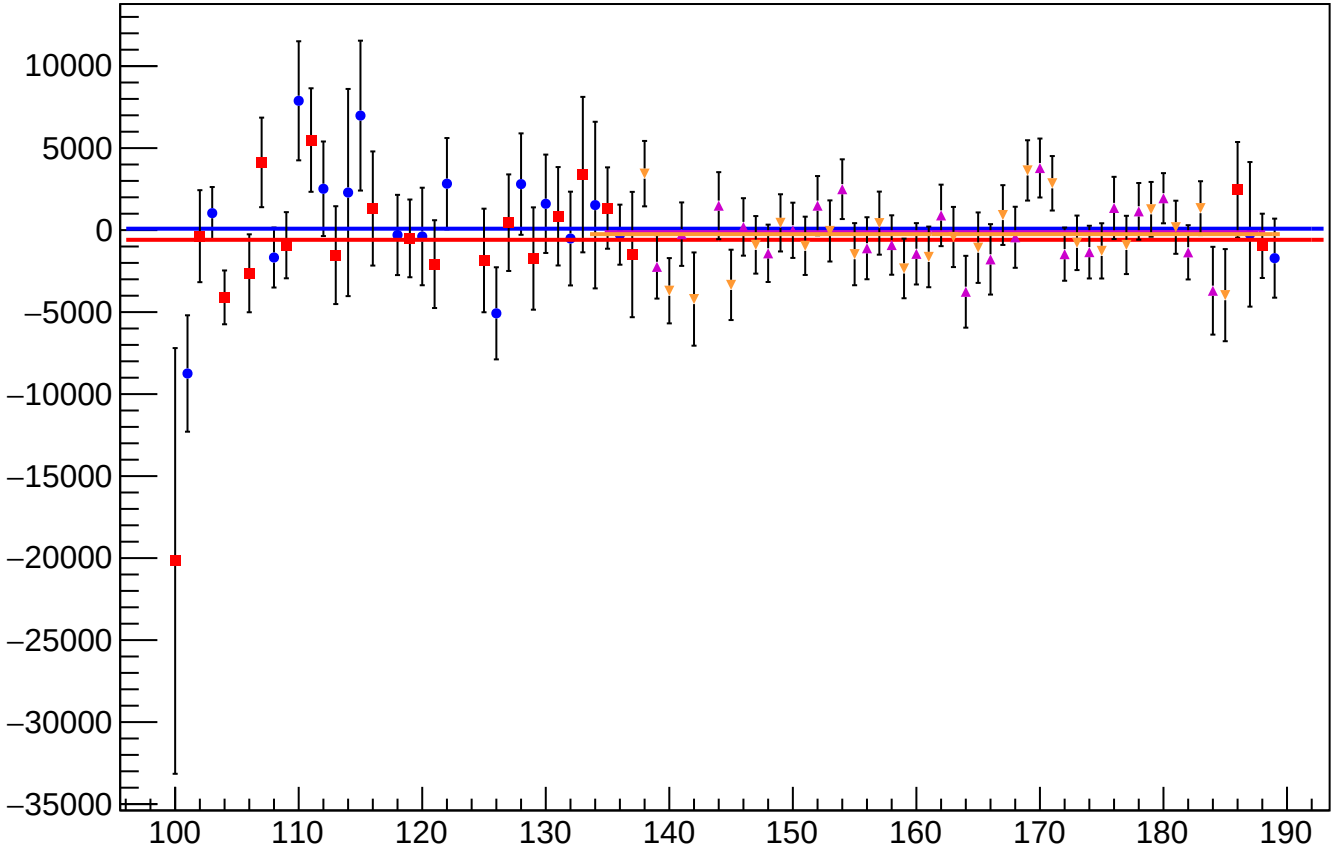
Left In: 373.145+/-0.071 χ^2/NDF:8207110.6/22

+ sign 392.154+/-0.063 χ^2/NDF: 13804012.1/41

All: 391.161+/-0.044 χ^2/NDF: 27793173.8/84

- sign 390.198+/-0.062 χ^2/NDF: 13988677.8/42

asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 85.677+/-635.451 χ^2/NDF: 21.3/17

Left Out: -247.110+/-378.224 χ^2/NDF:26.0/23

Right Out: -591.901+/-602.255 χ^2/NDF: 18.2/19

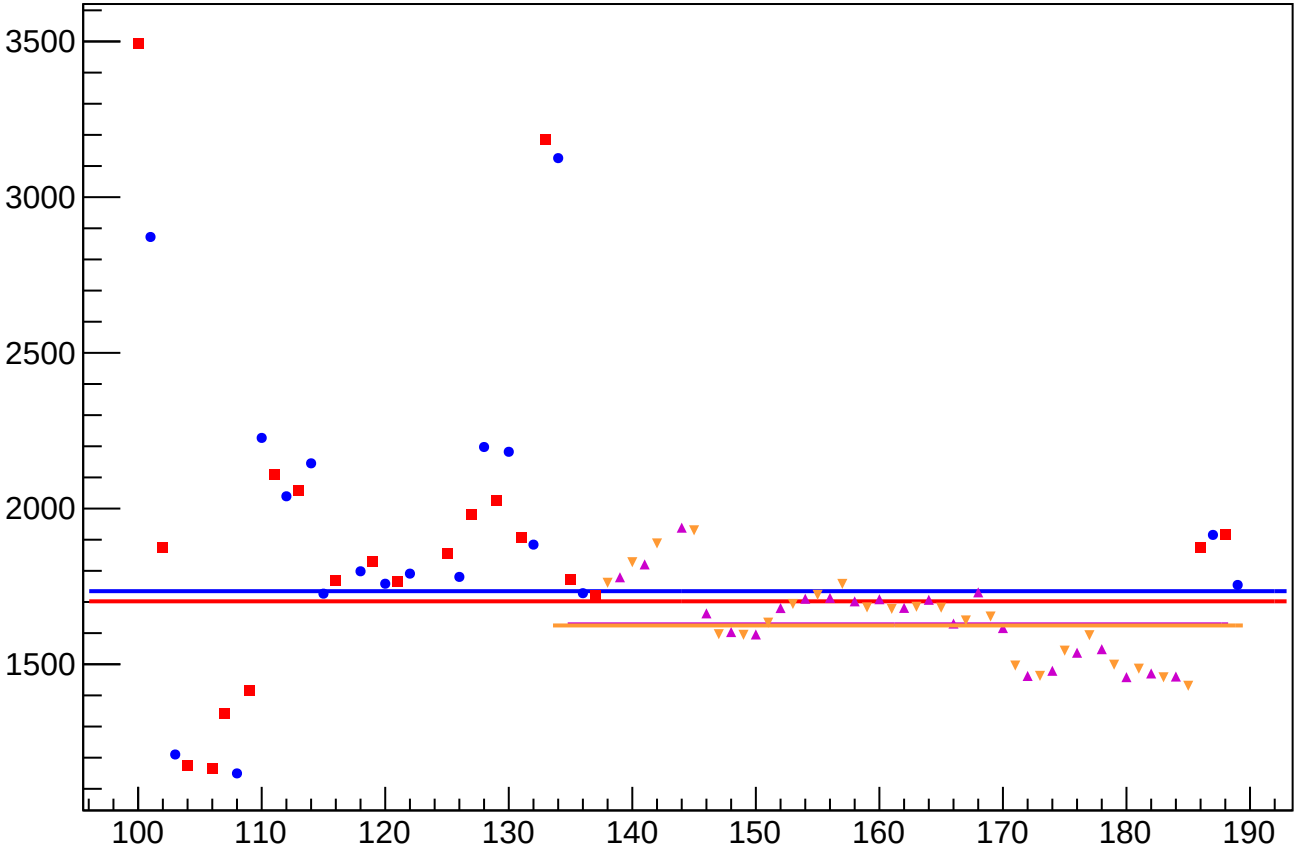
Left In: -126.114+/-381.305 χ^2/NDF:21.2/22

+ sign -160.055+/-325.010 χ^2/NDF: 47.6/41

All: -210.163+/-228.804 χ^2/NDF: 87.4/84

- sign -259.398+/-322.164 χ^2/NDF: 39.8/42

asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1734.705+/-0.449 χ^2/NDF: 945721.5/17

Left Out: 1624.614+/-0.267 χ^2/NDF:207257.7/23

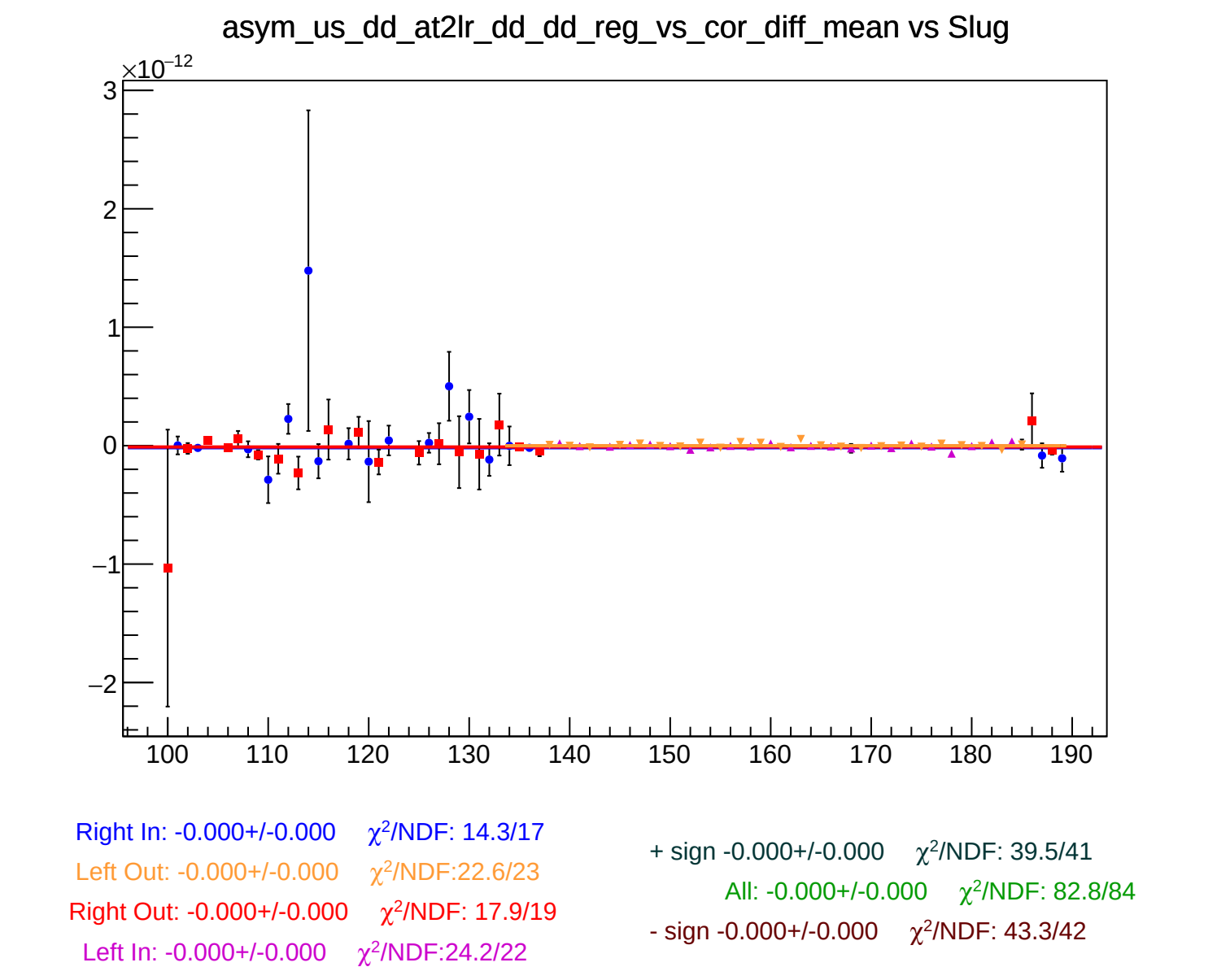
Right Out: 1702.099+/-0.426 χ^2/NDF: 780376.3/19

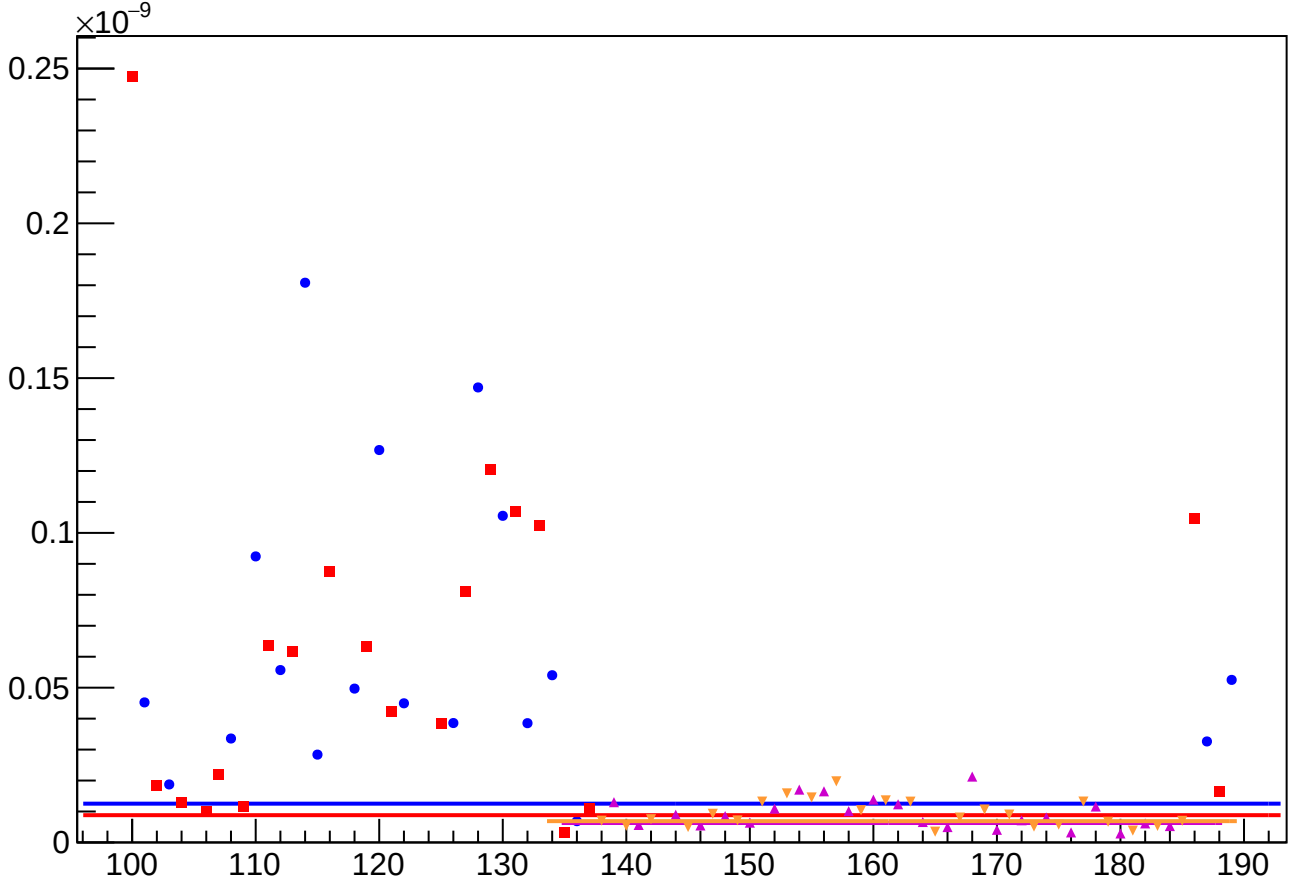
Left In: 1628.221+/-0.270 χ^2/NDF:204880.6/22

+ sign 1653.413+/-0.230 χ^2/NDF: 1197305.2/41

All: 1651.370+/-0.162 χ^2/NDF: 2204202.7/84

- sign 1649.361+/-0.228 χ^2/NDF: 1006740.7/42


asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 14.3/17
Left Out: -0.000+/-0.000 χ²/NDF:22.6/23
Right Out: -0.000+/-0.000 χ²/NDF: 17.9/19
Left In: -0.000+/-0.000 χ²/NDF:24.2/22
+ sign -0.000+/-0.000 χ²/NDF: 39.5/41
All: -0.000+/-0.000 χ²/NDF: 82.8/84
- sign -0.000+/-0.000 χ²/NDF: 43.3/42



Right In: 0.000+/-0.000 χ^2/NDF: 3756846.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:2256547.8/23

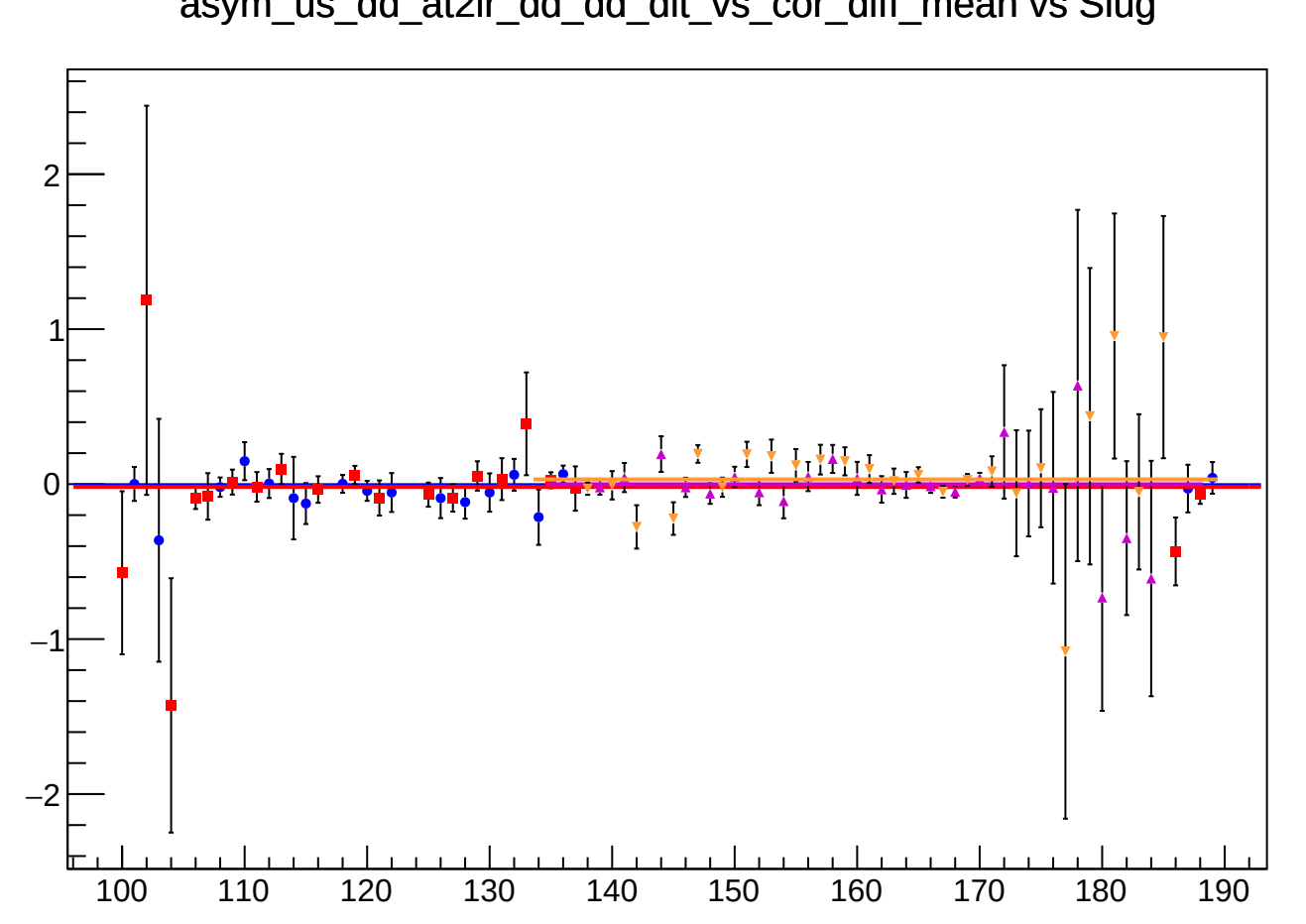
Right Out: 0.000+/-0.000 χ^2/NDF: 3953735.5/19

Left In: 0.000+/-0.000 χ^2/NDF:2888385.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 6583494.8/41

All: 0.000+/-0.000 χ^2/NDF: 13670812.2/84

- sign 0.000+/-0.000 χ^2/NDF: 7003414.3/42



Right In: -0.006+/-0.022 χ^2/NDF: 8.5/17

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

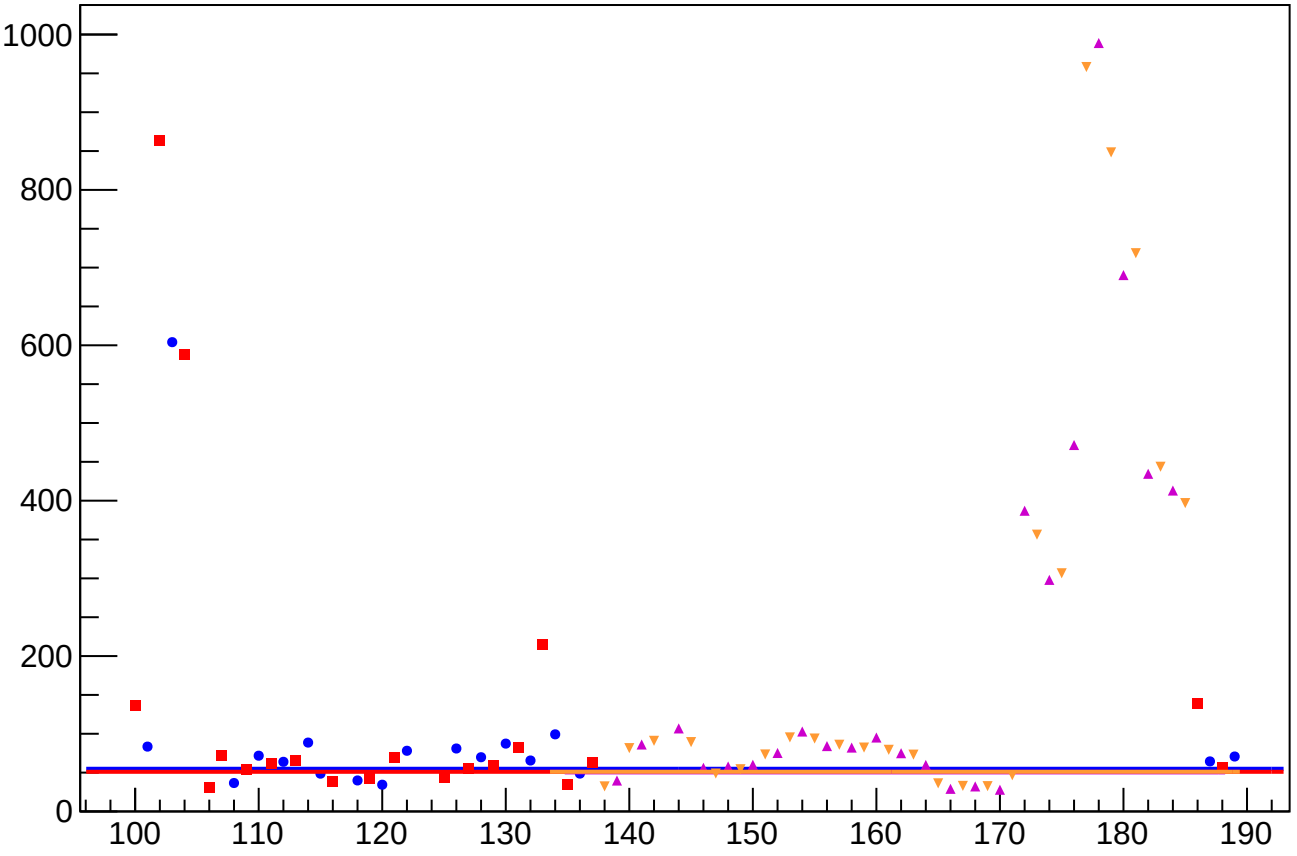
Right Out: -0.018+/-0.021 χ^2/NDF: 18.2/19

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.019+/-0.013 χ^2/NDF: 51.9/41

All: 0.005+/-0.009 χ^2/NDF: 88.7/84

- sign -0.007+/-0.012 χ^2/NDF: 34.7/42



Right In: 54.949+/-0.016 χ^2/NDF: 2273622.7/17

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

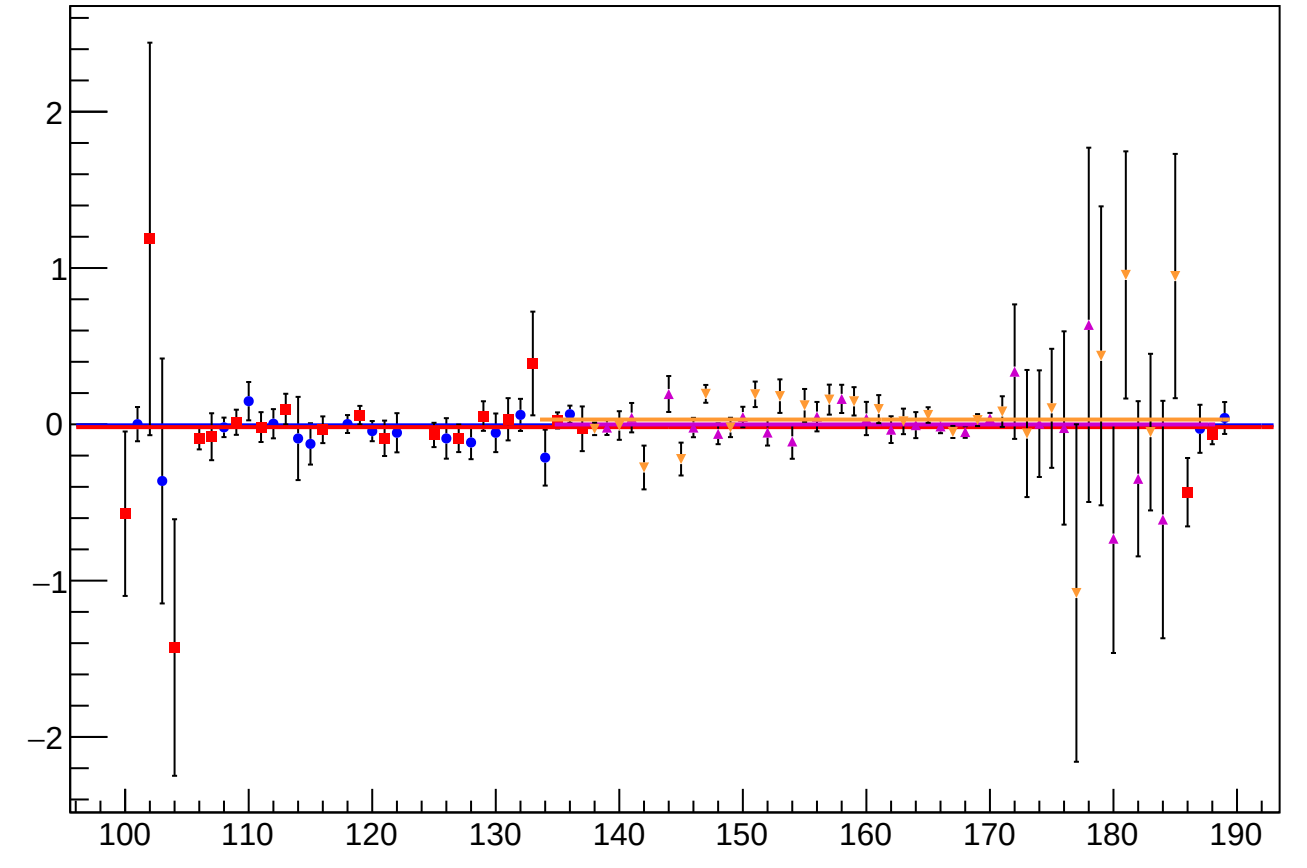
Right Out: 51.038+/-0.015 χ^2/NDF: 3362362.0/19

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

\+ sign 52.338+/-0.009 χ^2/NDF: 14050875.0/41

All: 51.402+/-0.006 χ^2/NDF: 29631805.0/84

\- sign 50.527+/-0.009 χ^2/NDF: 15559952.0/42



Right In: -0.006+/-0.022 χ^2/NDF: 8.5/17

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

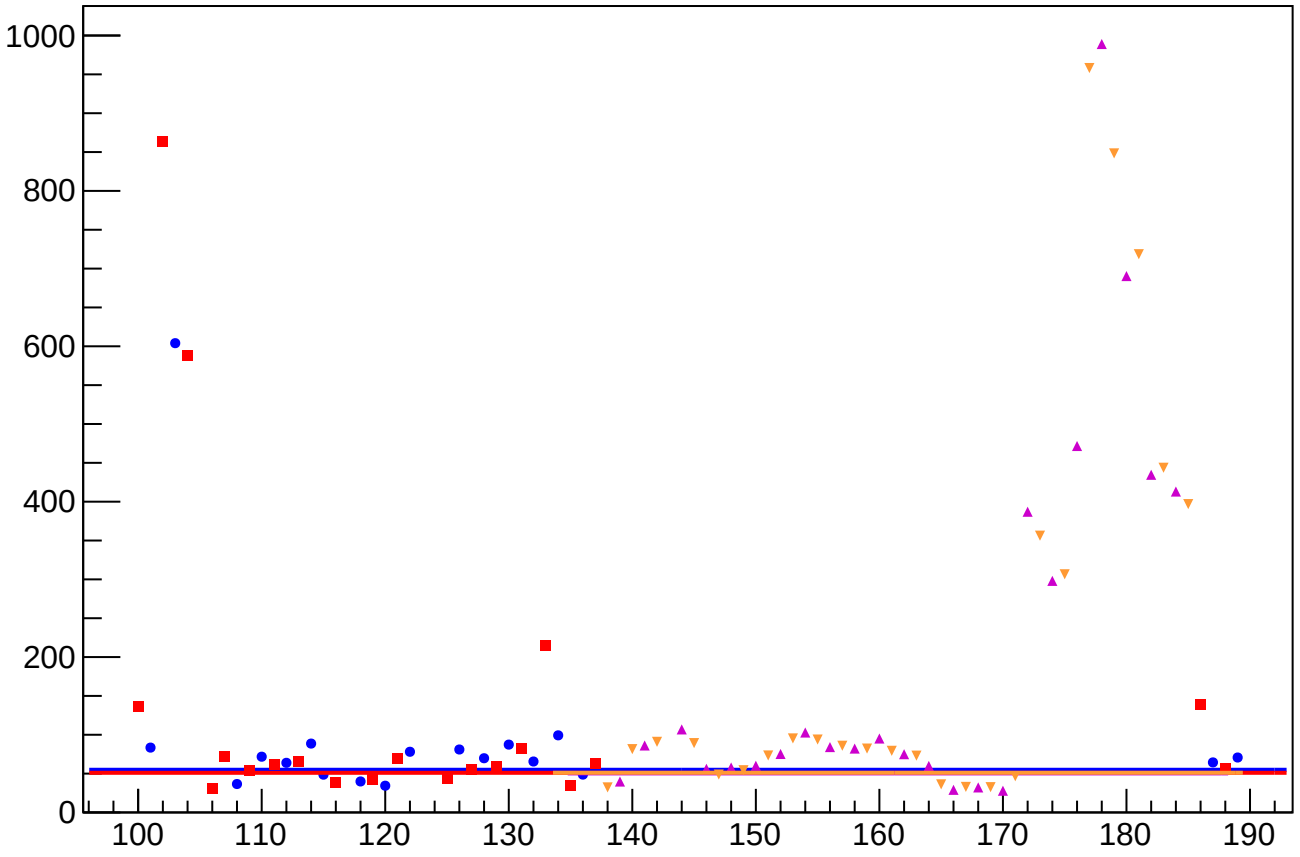
Right Out: -0.018+/-0.021 χ^2/NDF: 18.2/19

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.019+/-0.013 χ^2/NDF: 51.9/41

All: 0.005+/-0.009 χ^2/NDF: 88.7/84

- sign -0.007+/-0.012 χ^2/NDF: 34.7/42



Right In: 54.949+/-0.016 χ^2/NDF: 2273622.7/17

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

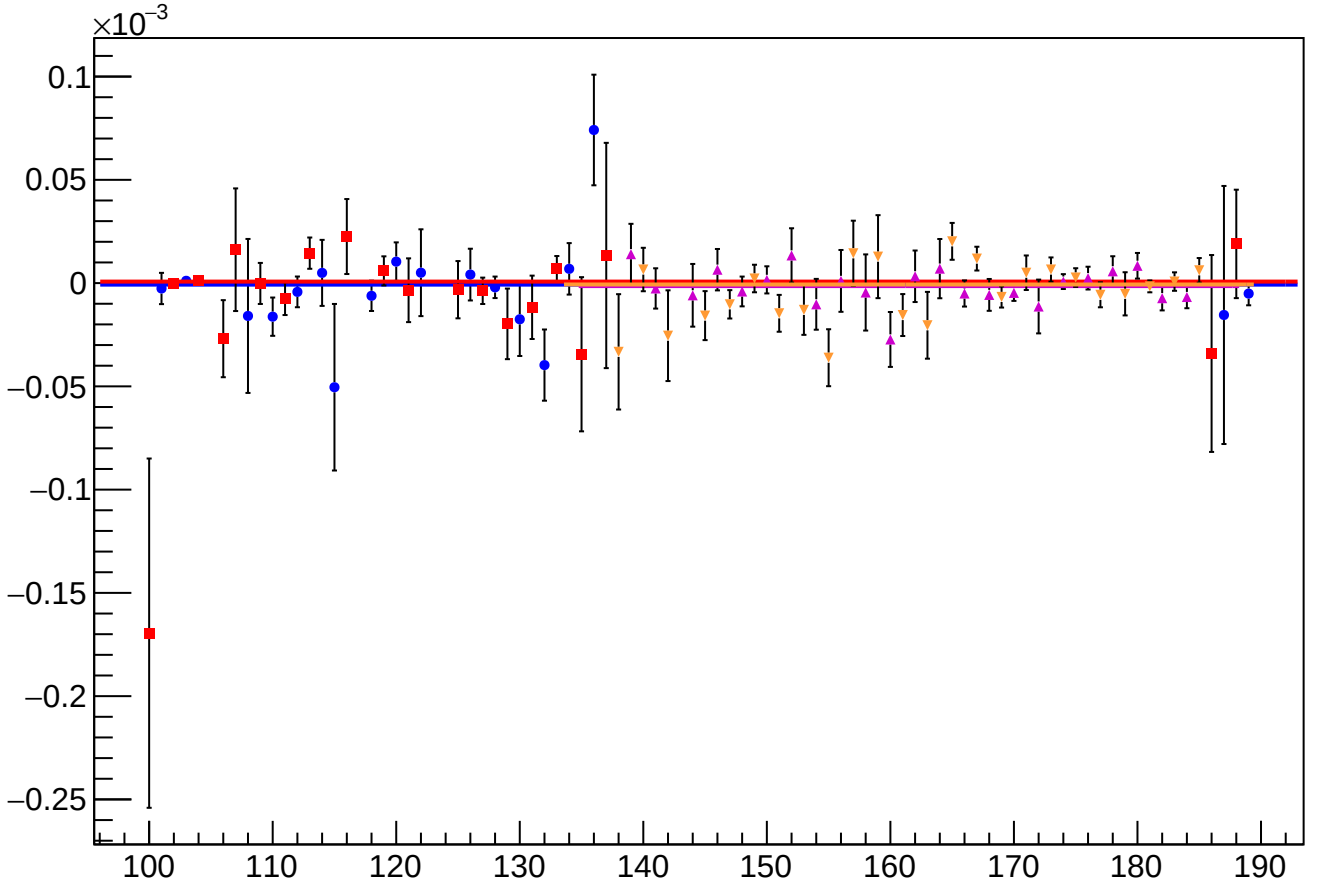
Right Out: 51.038+/-0.015 χ^2/NDF: 3362362.0/19

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

\+ sign 52.338+/-0.009 χ^2/NDF: 14050875.0/41

All: 51.402+/-0.006 χ^2/NDF: 29631805.0/84

\- sign 50.527+/-0.009 χ^2/NDF: 15559952.0/42



Right In: -0.000+/-0.000 χ^2/NDF: 22.8/17

Left Out: -0.000+/-0.000 χ^2/NDF:38.5/23

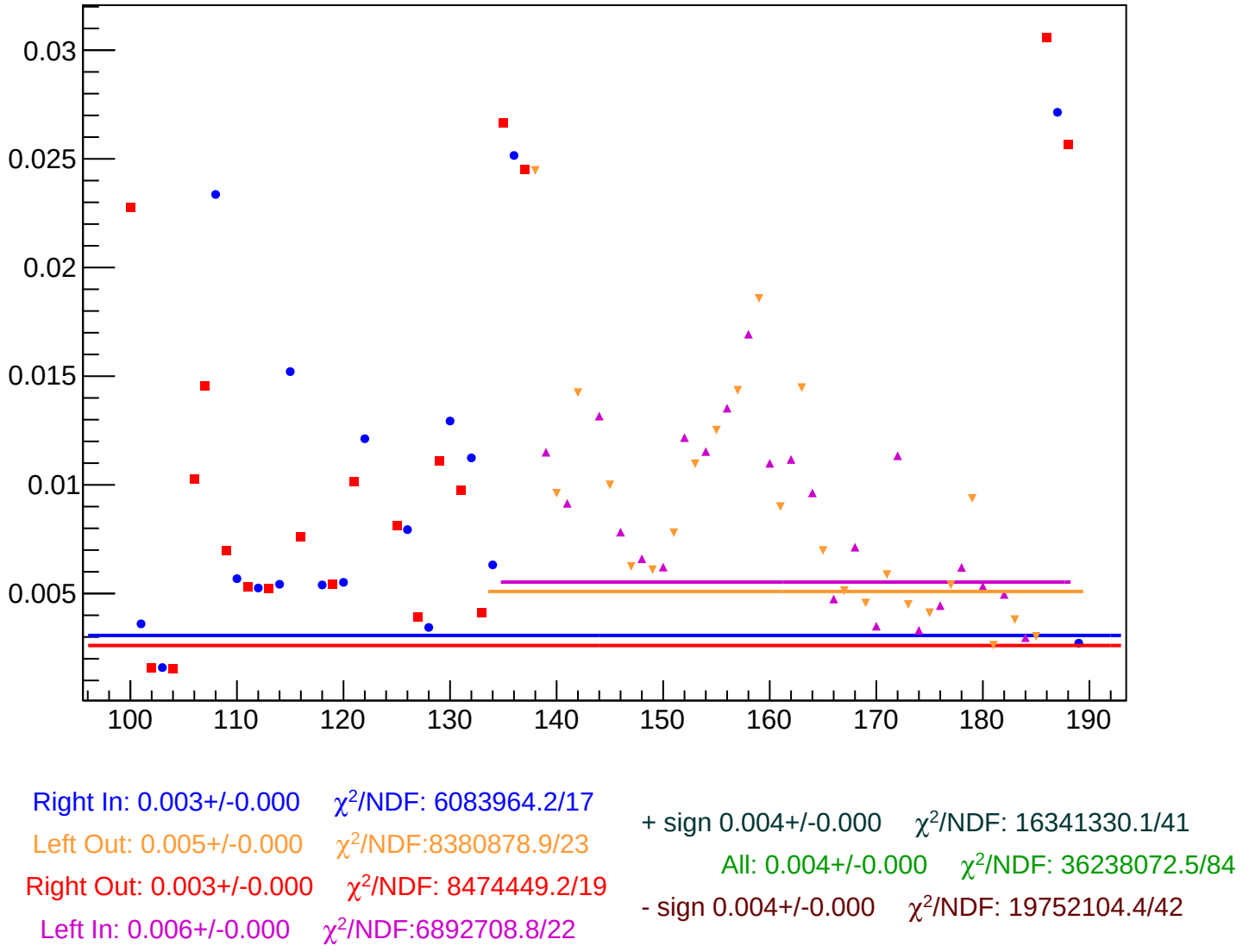
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/19

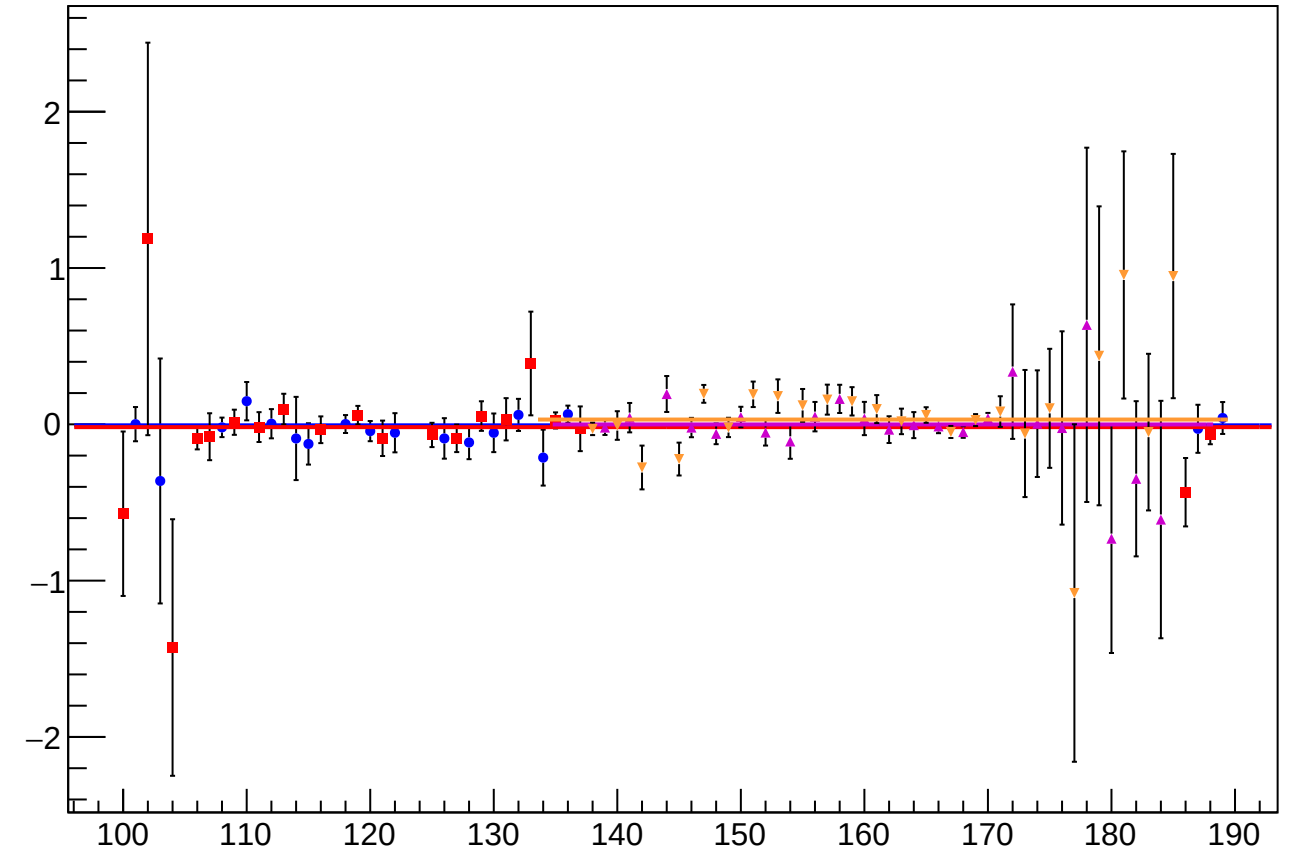
Left In: -0.000+/-0.000 χ^2/NDF:16.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 61.3/41

All: -0.000+/-0.000 χ^2/NDF: 97.9/84

- sign -0.000+/-0.000 χ^2/NDF: 36.5/42


asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
180
190
Right In: 0.003+/-0.000 χ²/NDF: 6083964.2/17
Left Out: 0.005+/-0.000 χ²/NDF:8380878.9/23
Right Out: 0.003+/-0.000 χ²/NDF: 8474449.2/19
Left In: 0.006+/-0.000 χ²/NDF:6892708.8/22
+ sign 0.004+/-0.000 χ²/NDF: 16341330.1/41
All: 0.004+/-0.000 χ²/NDF: 36238072.5/84
- sign 0.004+/-0.000 χ²/NDF: 19752104.4/42



Right In: -0.006+/-0.022 χ^2/NDF: 8.5/17

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

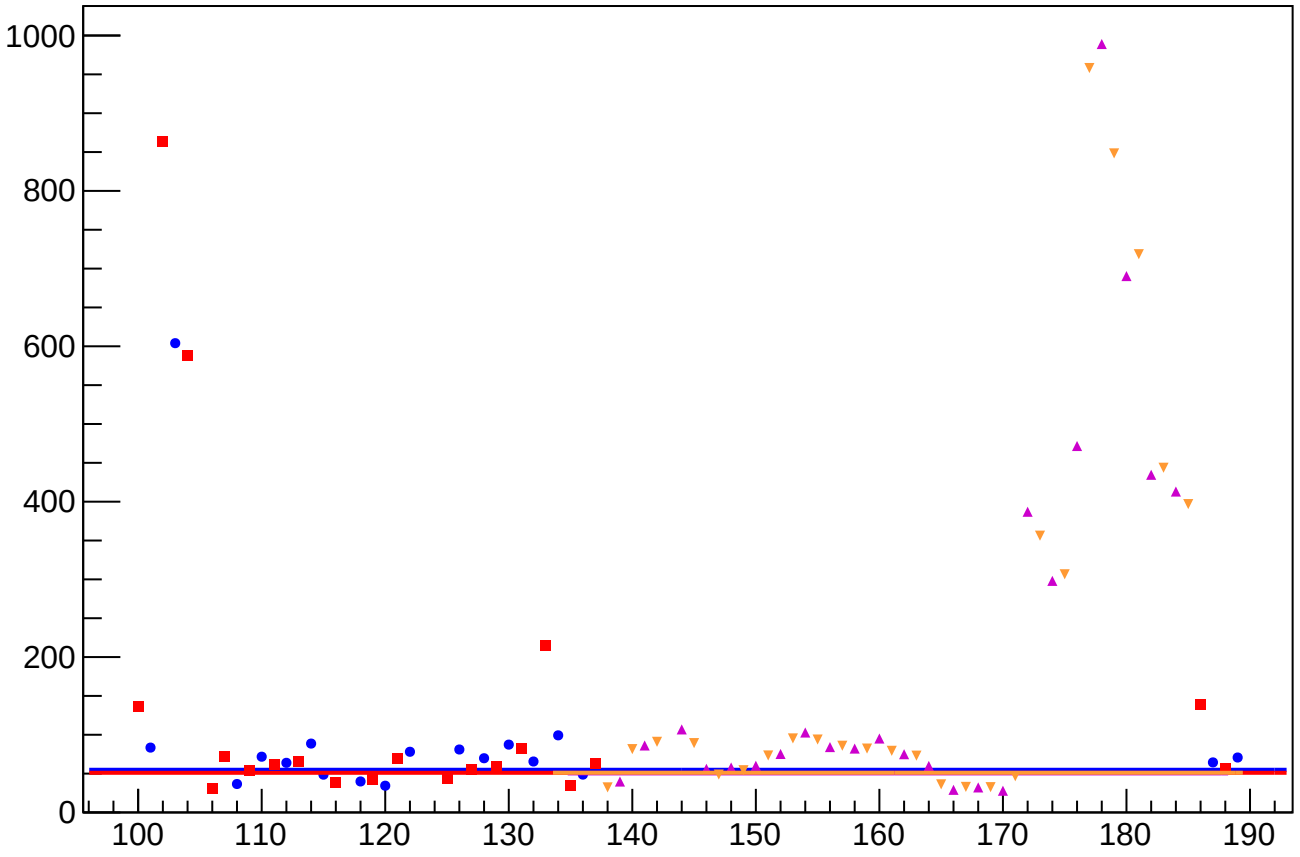
Right Out: -0.018+/-0.021 χ^2/NDF: 18.2/19

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.019+/-0.013 χ^2/NDF: 51.9/41

All: 0.005+/-0.009 χ^2/NDF: 88.7/84

- sign -0.007+/-0.012 χ^2/NDF: 34.7/42



Right In: 54.952+/-0.016 χ^2/NDF: 2273218.6/17

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

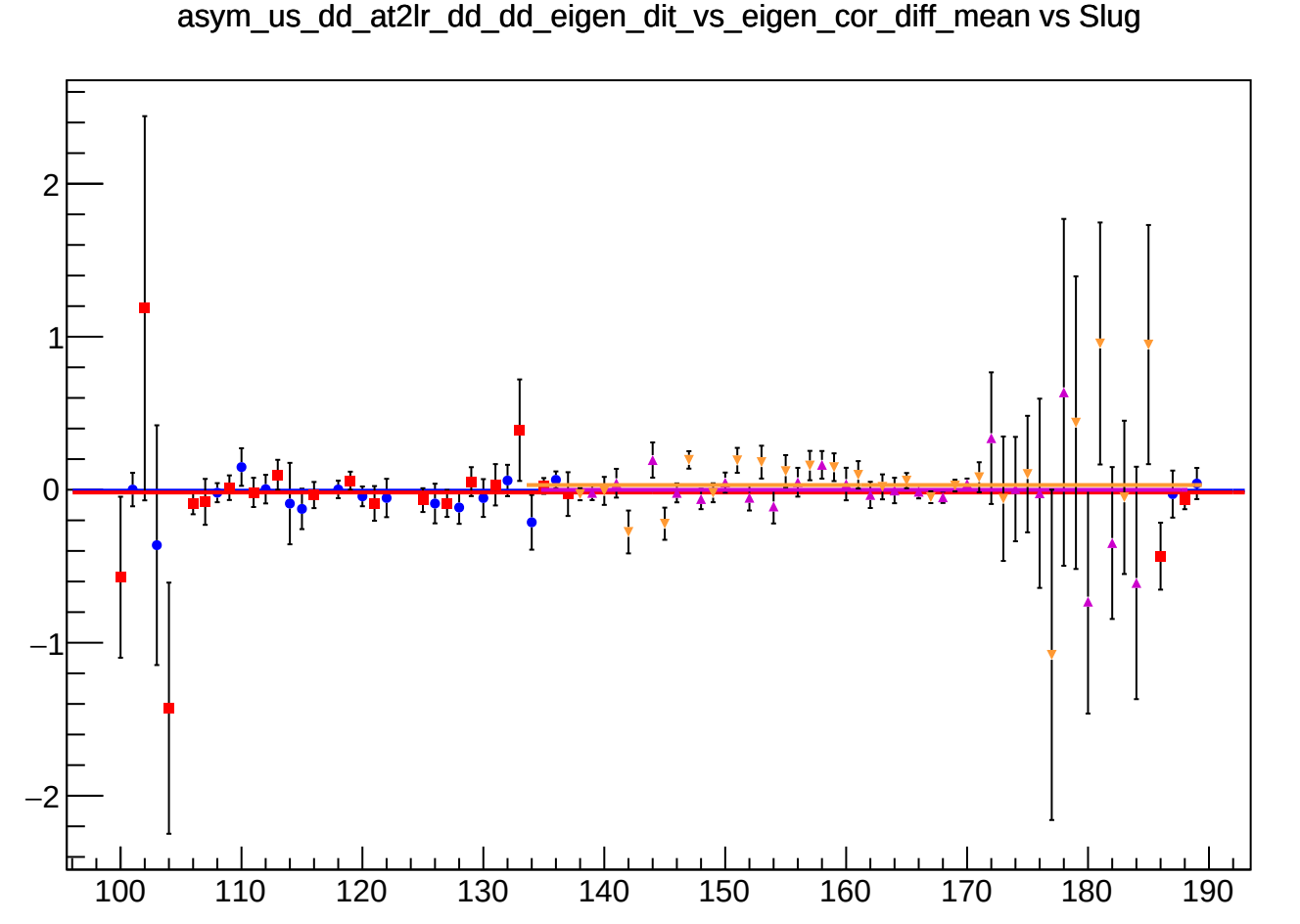
Right Out: 51.040+/-0.015 χ^2/NDF: 3362102.0/19

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

\+ sign 52.341+/-0.009 χ^2/NDF: 14049655.4/41

All: 51.404+/-0.006 χ^2/NDF: 29630319.6/84

\- sign 50.527+/-0.009 χ^2/NDF: 15559644.5/42



Right In: -0.006+/-0.022 χ^2/NDF: 8.5/17

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

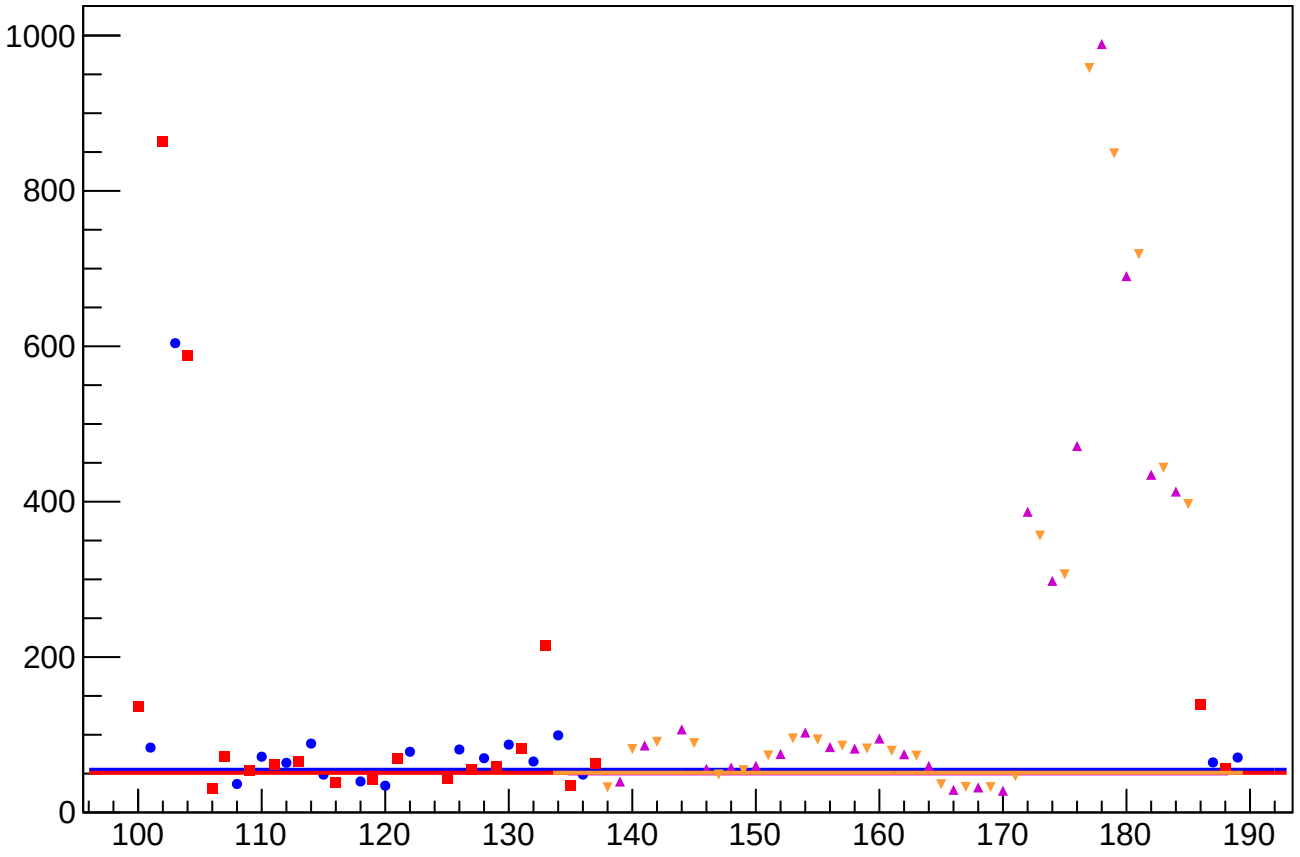
Right Out: -0.018+/-0.021 χ^2/NDF: 18.2/19

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.019+/-0.013 χ^2/NDF: 51.9/41

All: 0.005+/-0.009 χ^2/NDF: 88.7/84

- sign -0.007+/-0.012 χ^2/NDF: 34.7/42



Right In: 54.952+/-0.016 χ^2/NDF: 2273218.6/17

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

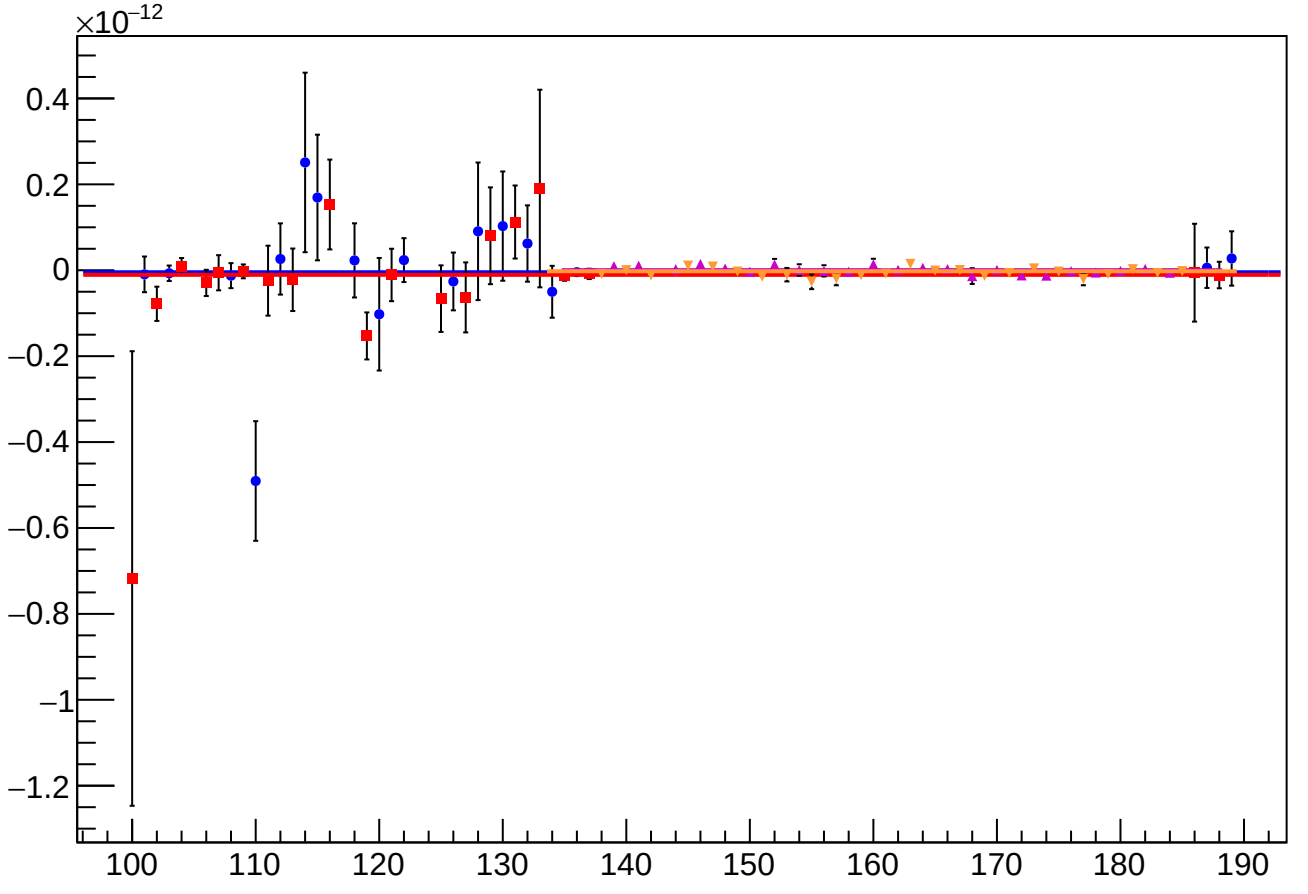
Right Out: 51.040+/-0.015 χ^2/NDF: 3362102.0/19

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

\+ sign 52.341+/-0.009 χ^2/NDF: 14049655.4/41

All: 51.404+/-0.006 χ^2/NDF: 29630319.6/84

\- sign 50.527+/-0.009 χ^2/NDF: 15559644.5/42



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/17

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/23

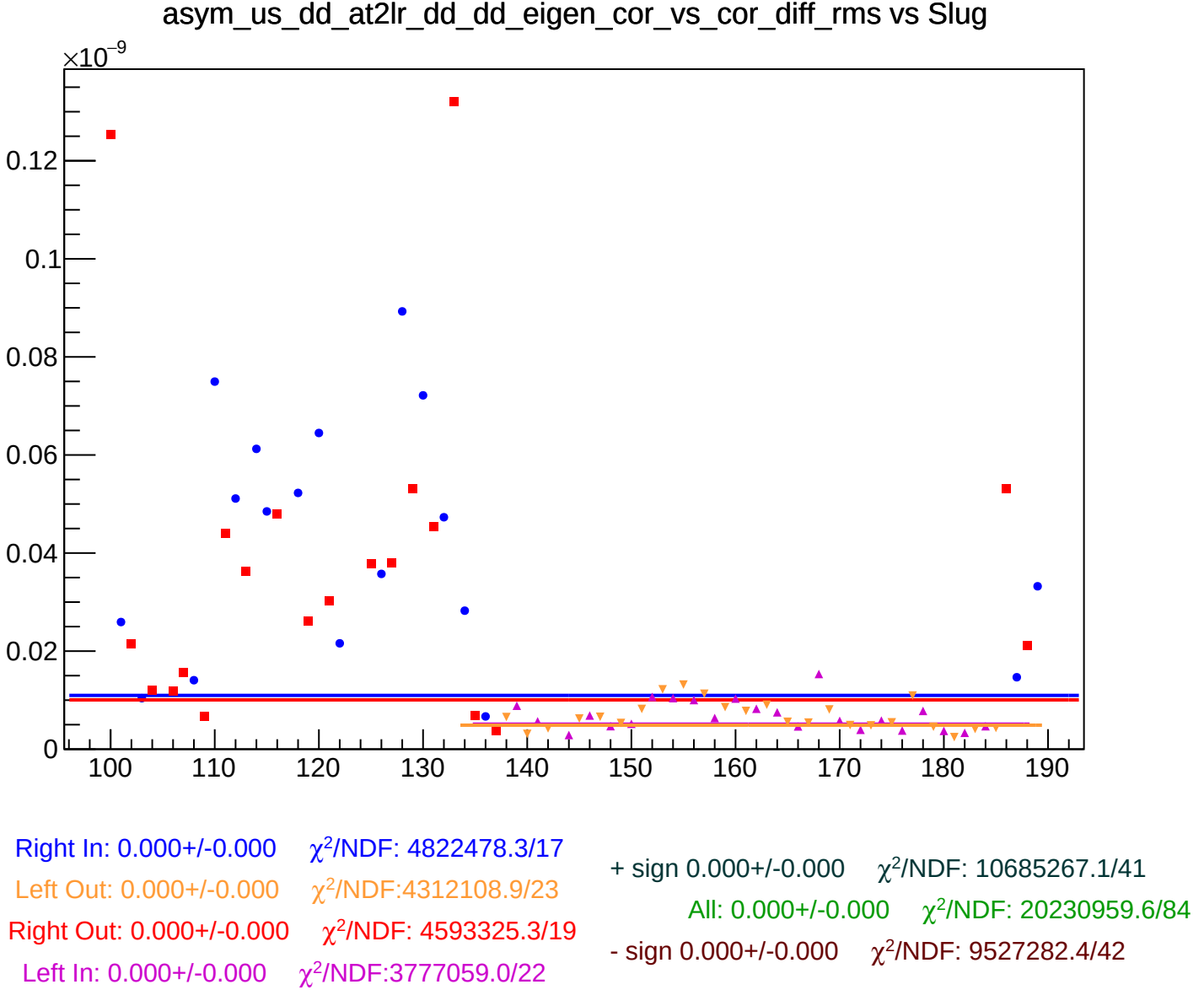
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/19

Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

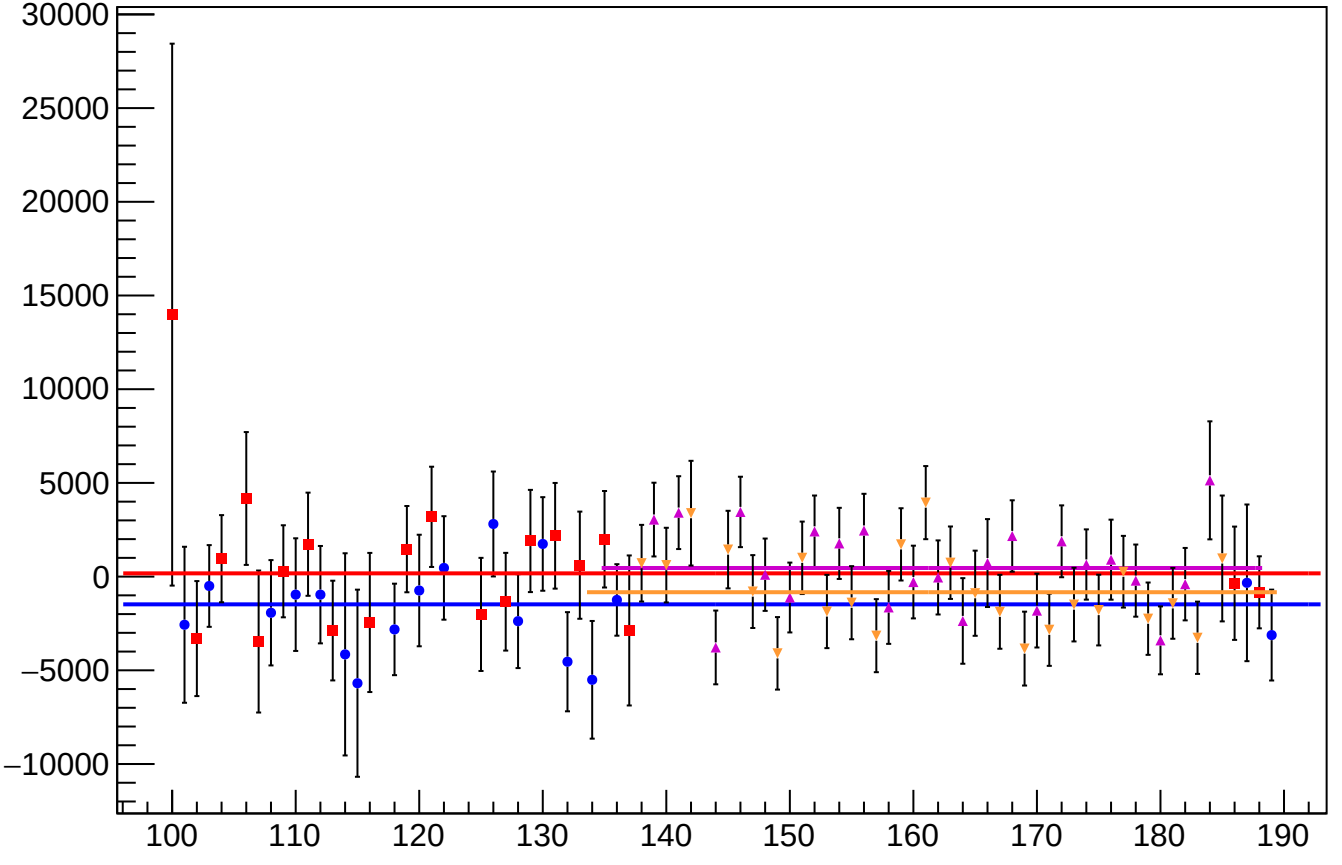
+ sign -0.000+/-0.000 χ^2/NDF: 41.2/41

All: -0.000+/-0.000 χ^2/NDF: 83.3/84

- sign -0.000+/-0.000 χ^2/NDF: 41.1/42


asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 4822478.3/17
Left Out: 0.000+/-0.000 χ²/NDF:4312108.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 4593325.3/19
Left In: 0.000+/-0.000 χ²/NDF:3777059.0/22
+ sign 0.000+/-0.000 χ²/NDF: 10685267.1/41
All: 0.000+/-0.000 χ²/NDF: 20230959.6/84
- sign 0.000+/-0.000 χ²/NDF: 9527282.4/42

reg_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1479.992+/-654.602 χ^2/NDF: 9.9/17

Left Out: -832.582+/-410.448 χ^2/NDF:25.4/23

Right Out: 173.654+/-630.169 χ^2/NDF: 11.4/19

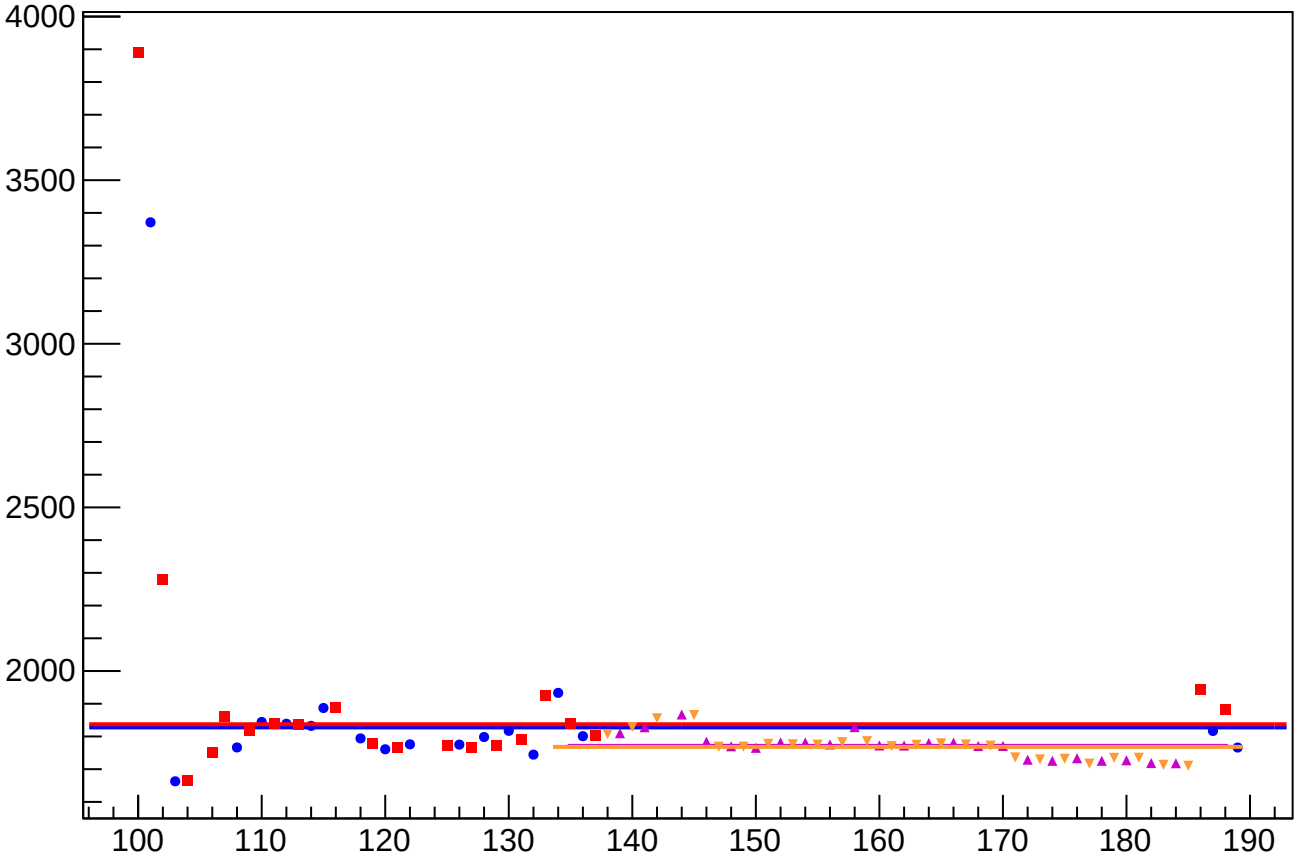
Left In: 459.594+/-413.637 χ^2/NDF:27.3/22

+ sign -1015.284+/-347.743 χ^2/NDF: 36.0/41

All: -317.001+/-245.201 χ^2/NDF: 82.8/84

- sign 373.494+/-345.798 χ^2/NDF: 38.8/42

reg_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1827.680+/-0.463 χ^2/NDF: 296858.3/17

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

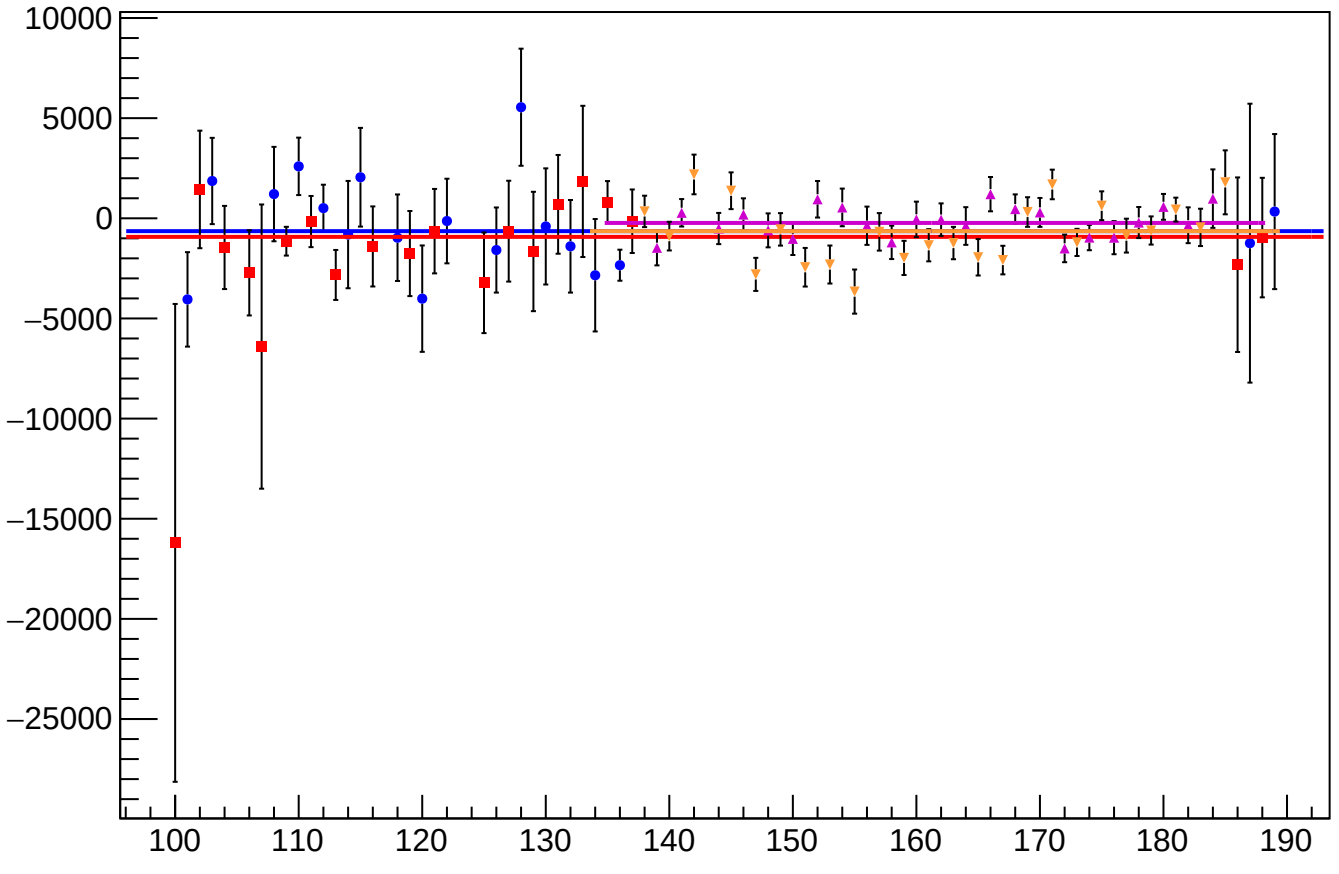
Right Out: 1837.325+/-0.446 χ^2/NDF: 107121.5/19

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1784.932+/-0.246 χ^2/NDF: 325099.2/41

All: 1788.045+/-0.173 χ^2/NDF: 464347.8/84

- sign 1791.124+/-0.245 χ^2/NDF: 138929.9/42



Right In: -641.618+/-438.407 χ^2/NDF: 23.3/17

Left Out: -641.029+/-166.449 χ^2/NDF:66.7/23

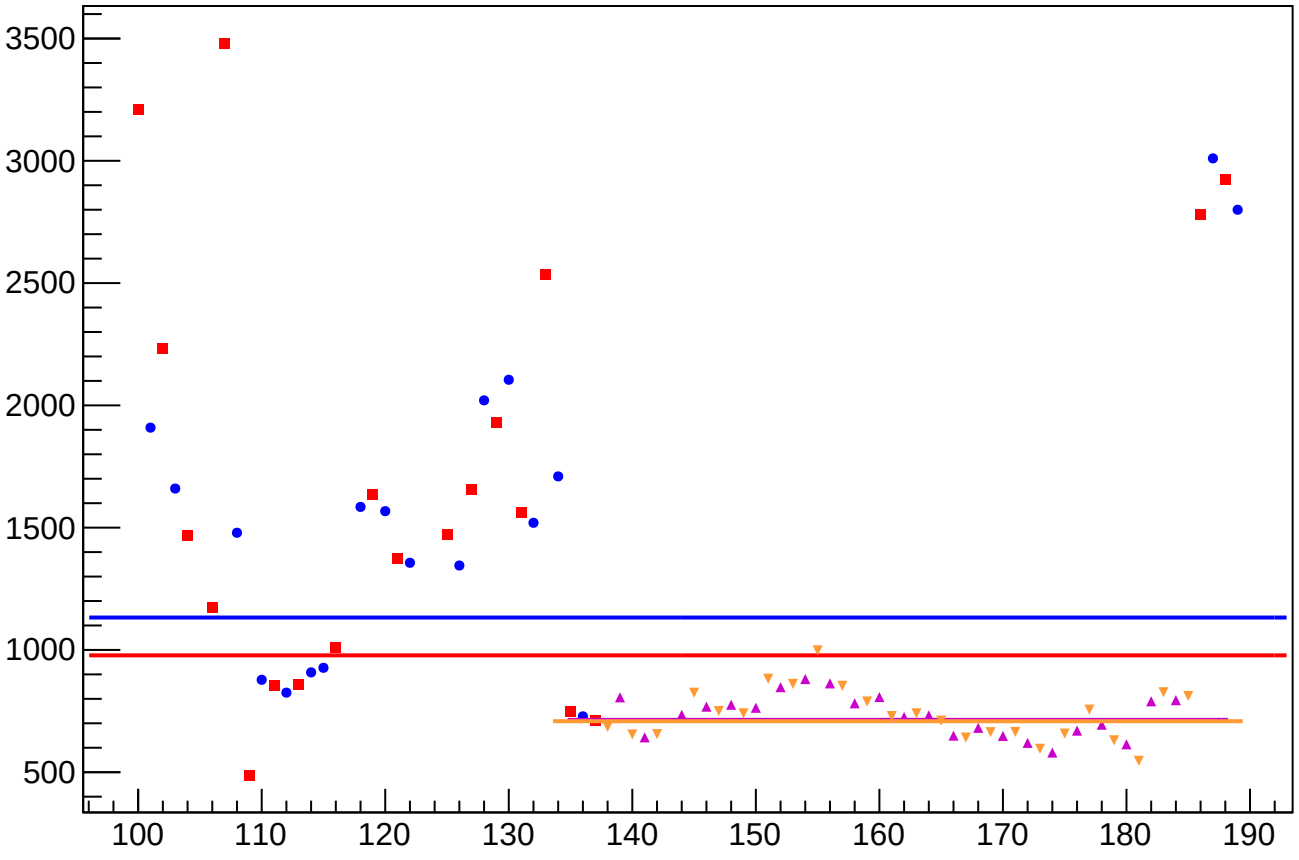
Right Out: -926.678+/-388.493 χ^2/NDF: 11.6/19

Left In: -230.653+/-168.319 χ^2/NDF:19.9/22

+ sign -641.103+/-155.611 χ^2/NDF: 90.0/41

All: -489.752+/-109.619 χ^2/NDF: 126.1/84

- sign -340.658+/-154.446 χ^2/NDF: 34.3/42



Right In: 1132.503+/-0.310 χ^2/NDF: 2403409.5/17

Left Out: 708.503+/-0.118 χ^2/NDF:700473.3/23

Right Out: 977.852+/-0.275 χ^2/NDF: 4276023.8/19

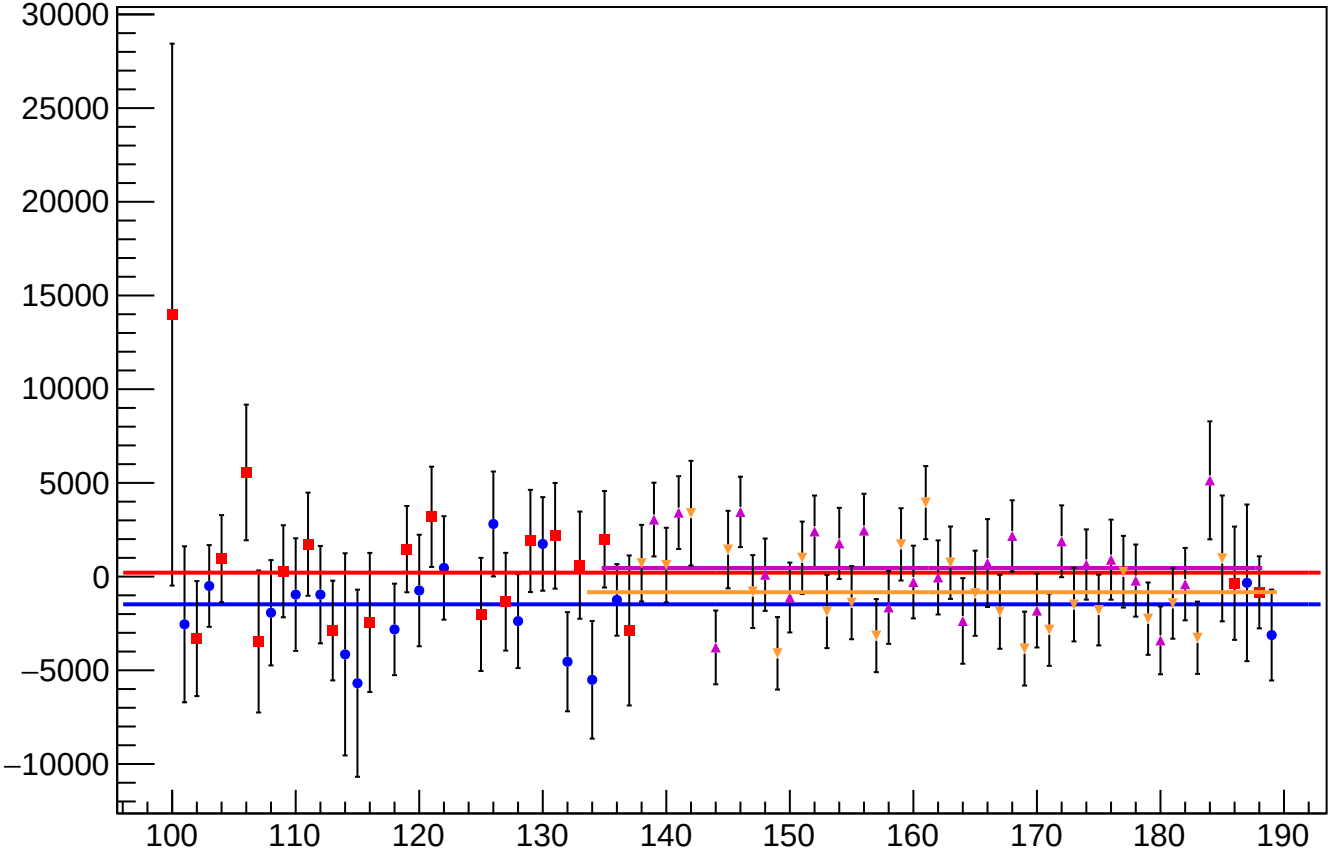
Left In: 714.162+/-0.119 χ^2/NDF:497246.5/22

+ sign 761.921+/-0.110 χ^2/NDF: 4738912.2/41

All: 758.857+/-0.078 χ^2/NDF: 10289500.7/84

- sign 755.838+/-0.109 χ^2/NDF: 5549048.6/42

cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1479.410+/-654.602 χ^2/NDF: 9.8/17

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: 210.530+/-630.576 χ^2/NDF: 12.3/19

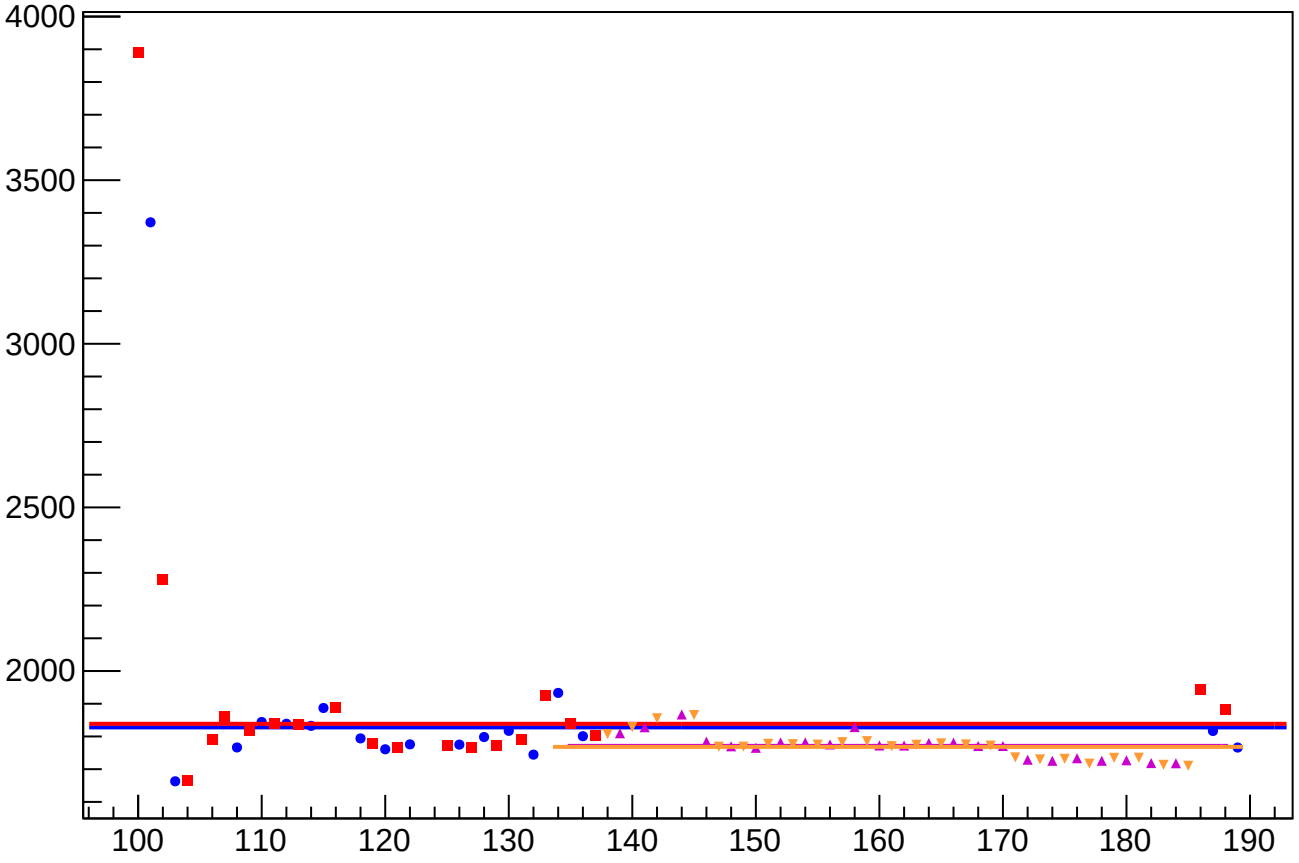
Left In: 459.554+/-413.637 χ^2/NDF:27.3/22

+ sign -1015.043+/-347.743 χ^2/NDF: 36.0/41

All: -311.414+/-245.225 χ^2/NDF: 83.8/84

- sign 384.637+/-345.865 χ^2/NDF: 39.7/42

cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1827.680+/-0.463 χ^2/NDF: 296860.2/17

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

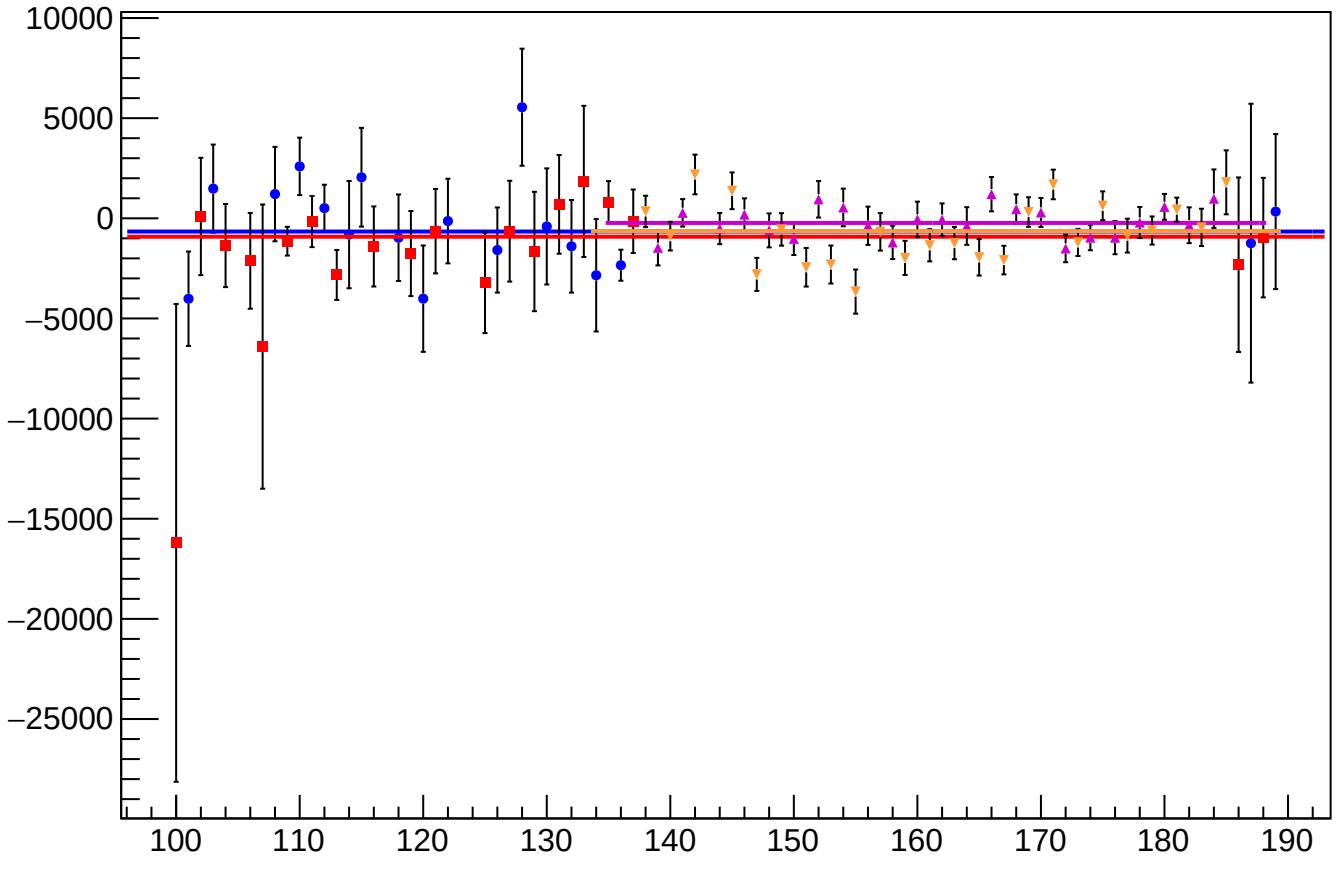
Right Out: 1838.678+/-0.446 χ^2/NDF: 106236.1/19

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1784.932+/-0.246 χ^2/NDF: 325101.0/41

All: 1788.240+/-0.173 χ^2/NDF: 464127.2/84

- sign 1791.513+/-0.245 χ^2/NDF: 138666.1/42



Right In: -659.877+/-438.768 χ^2/NDF: 22.8/17

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

Right Out: -918.151+/-389.834 χ^2/NDF: 10.6/19

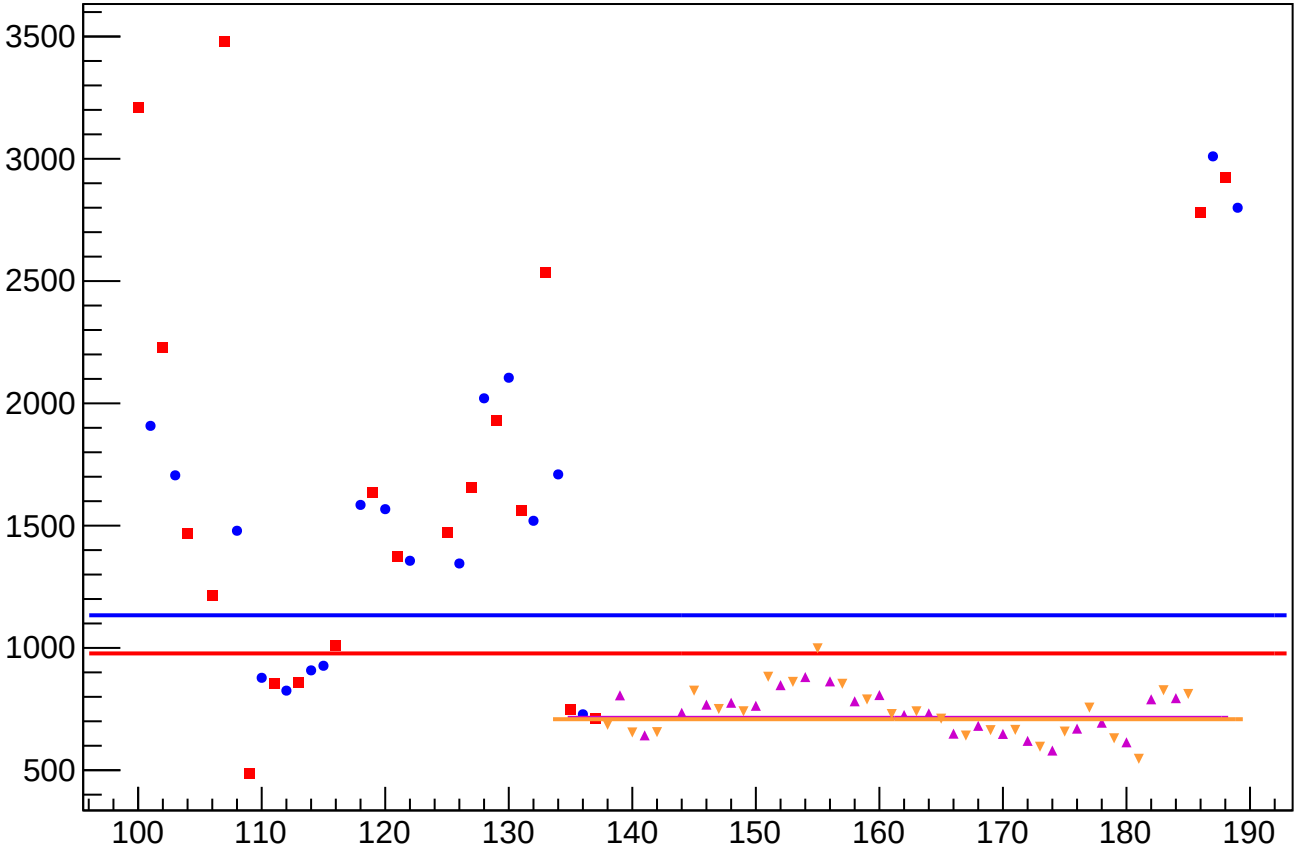
Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

+ sign -643.379+/-155.628 χ^2/NDF: 89.5/41

All: -489.919+/-109.656 χ^2/NDF: 124.6/84

- sign -338.615+/-154.531 χ^2/NDF: 33.2/42

asym_us_dd_atlr_dd_avg_cor_correction_rms vs Slug



Right In: 1133.456+/-0.310 χ^2/NDF: 2419149.3/17

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

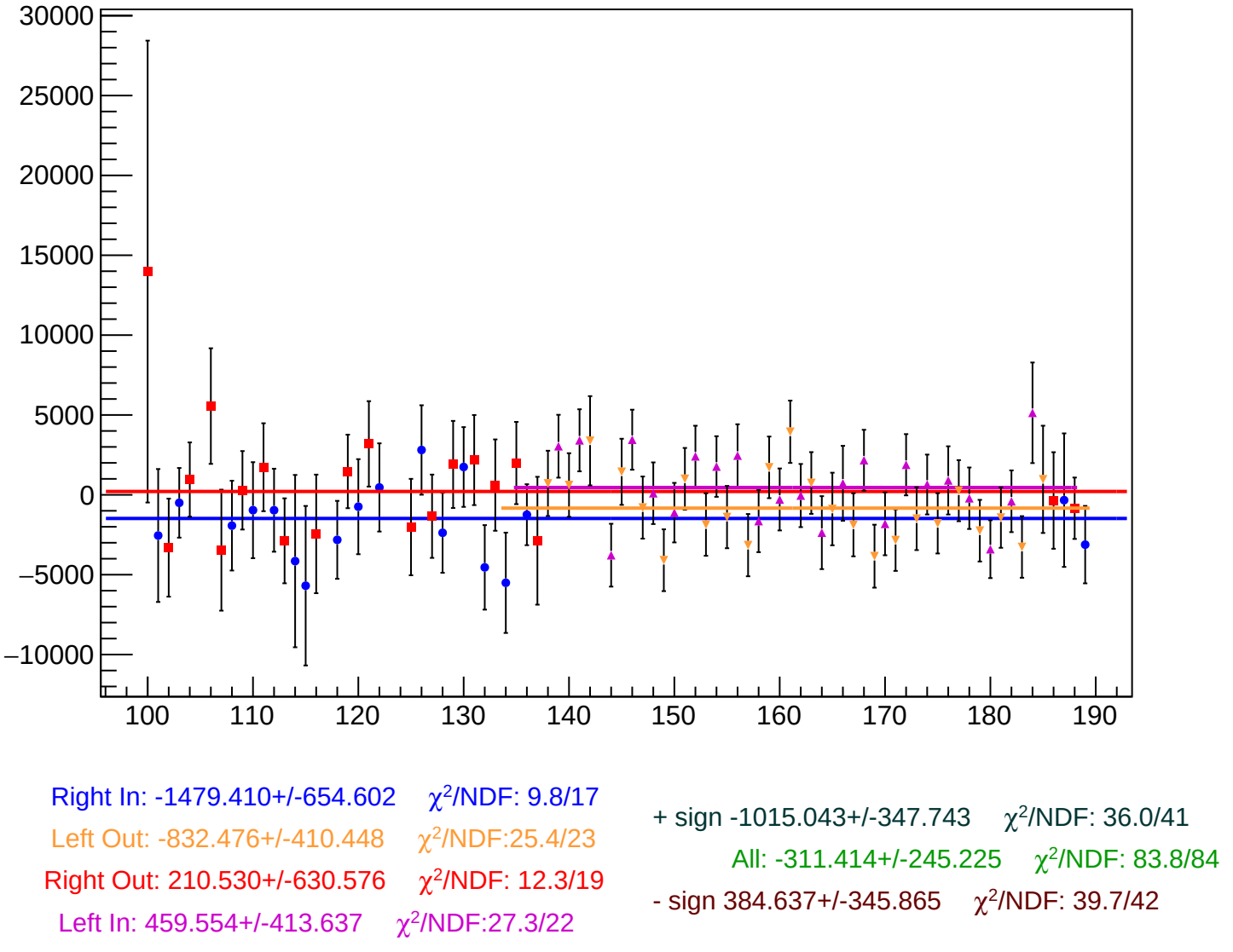
Right Out: 977.477+/-0.276 χ^2/NDF: 4277013.3/19

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

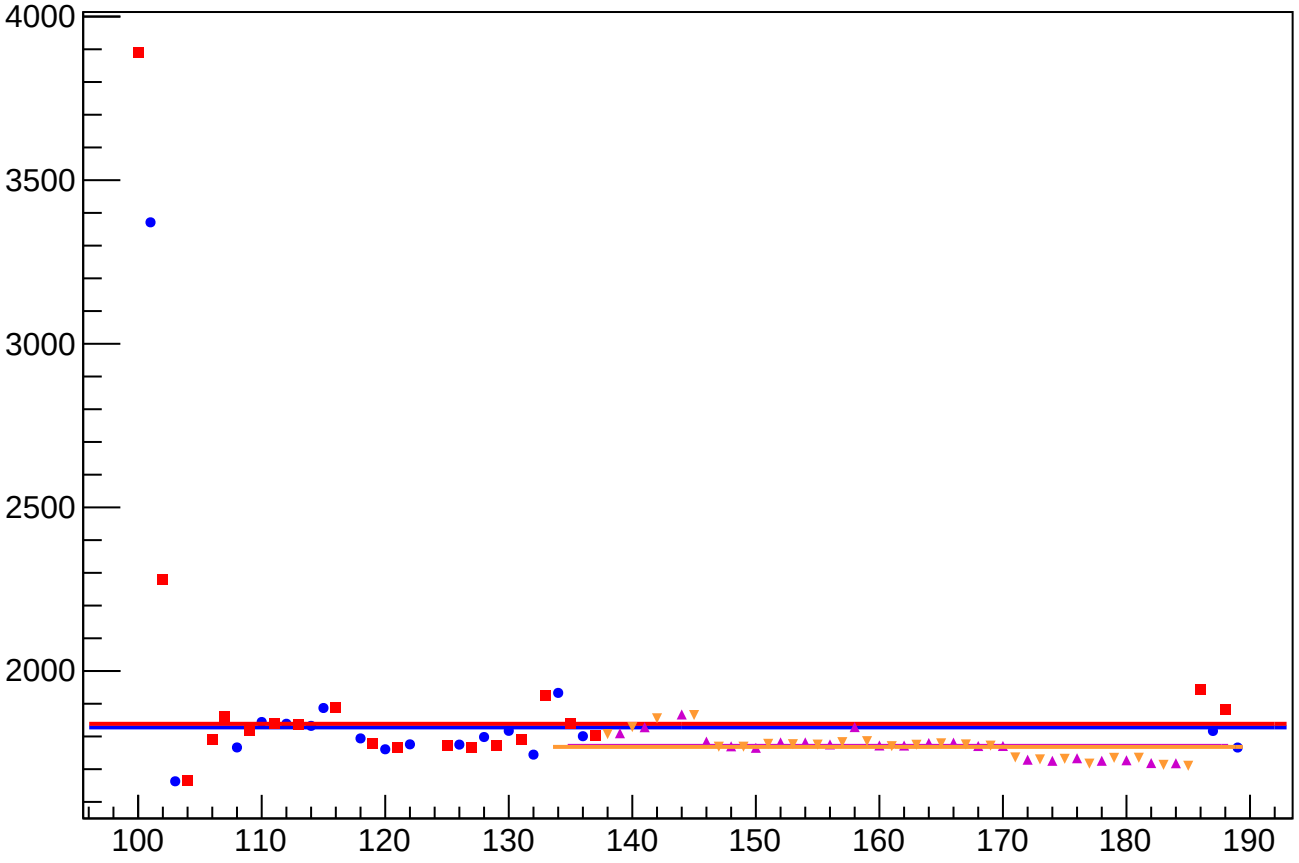
+ sign 761.970+/-0.110 χ^2/NDF: 4759569.4/41

All: 758.734+/-0.078 χ^2/NDF: 10304616.2/84

- sign 755.543+/-0.109 χ^2/NDF: 5543329.4/42


eigen_cor_asym_us_dd_atlr_dd_avg_mean vs Slug
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: -1479.410+/-654.602 χ²/NDF: 9.8/17
Left Out: -832.476+/-410.448 χ²/NDF:25.4/23
Right Out: 210.530+/-630.576 χ²/NDF: 12.3/19
Left In: 459.554+/-413.637 χ²/NDF:27.3/22
+ sign -1015.043+/-347.743 χ²/NDF: 36.0/41
All: -311.414+/-245.225 χ²/NDF: 83.8/84
- sign 384.637+/-345.865 χ²/NDF: 39.7/42

eigen_cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1827.680+/-0.463 χ^2/NDF: 296860.2/17

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

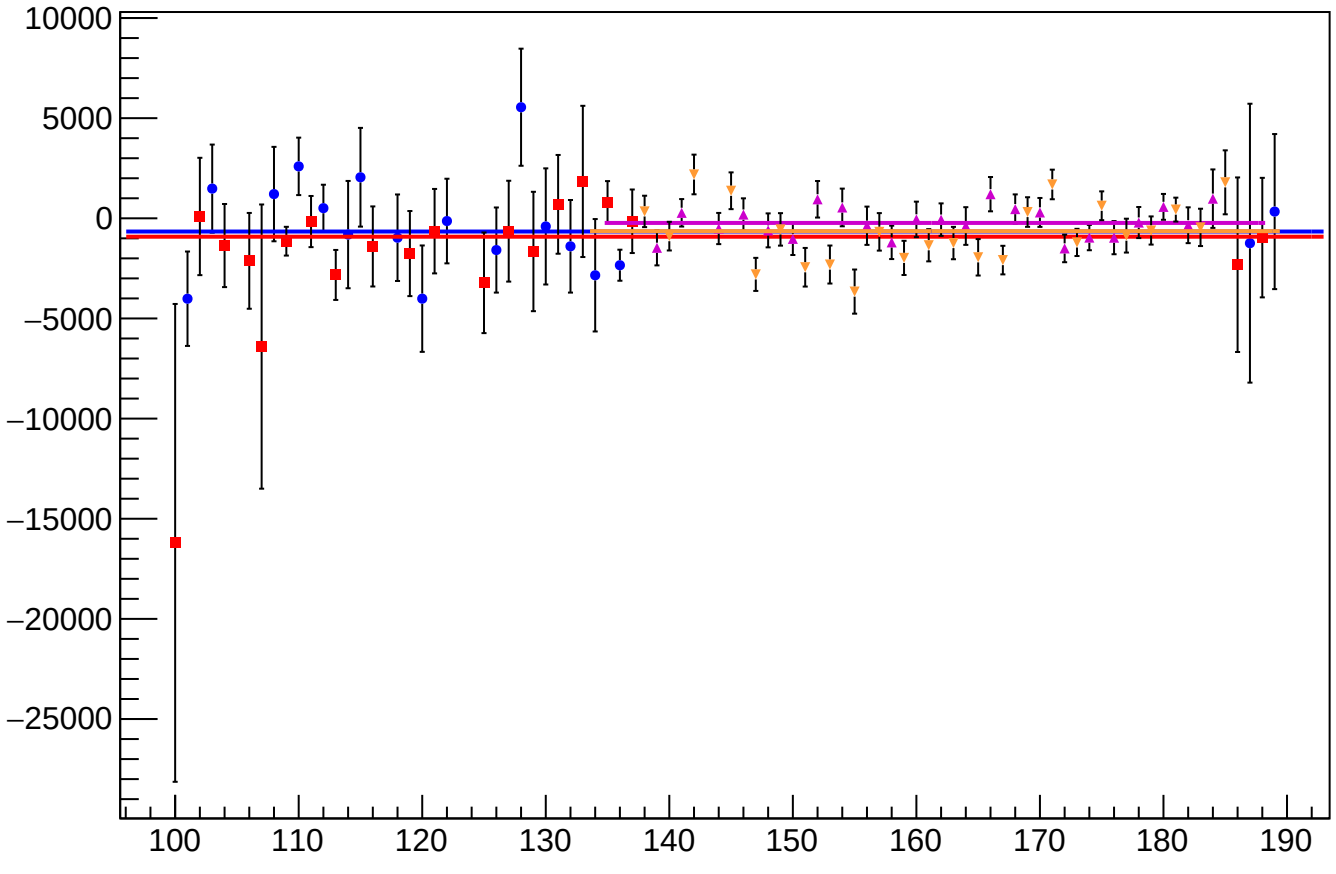
Right Out: 1838.678+/-0.446 χ^2/NDF: 106236.1/19

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1784.932+/-0.246 χ^2/NDF: 325101.0/41

All: 1788.240+/-0.173 χ^2/NDF: 464127.2/84

- sign 1791.513+/-0.245 χ^2/NDF: 138666.1/42



Right In: -659.877+/-438.768 χ^2/NDF: 22.8/17

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

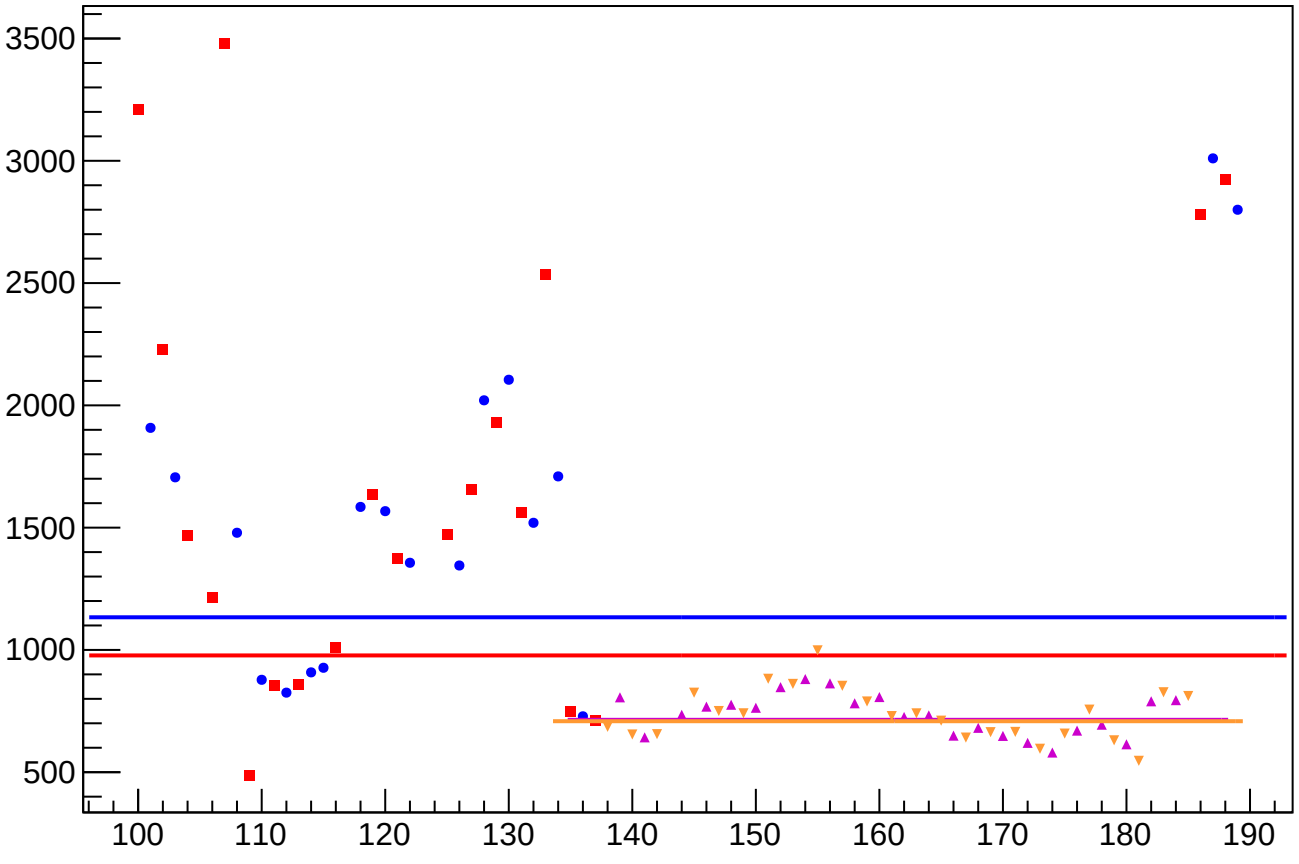
Right Out: -918.151+/-389.834 χ^2/NDF: 10.6/19

Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

+ sign -643.379+/-155.628 χ^2/NDF: 89.5/41

All: -489.919+/-109.656 χ^2/NDF: 124.6/84

- sign -338.615+/-154.531 χ^2/NDF: 33.2/42



Right In: 1133.456+/-0.310 χ^2/NDF: 2419149.3/17

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 977.477+/-0.276 χ^2/NDF: 4277013.3/19

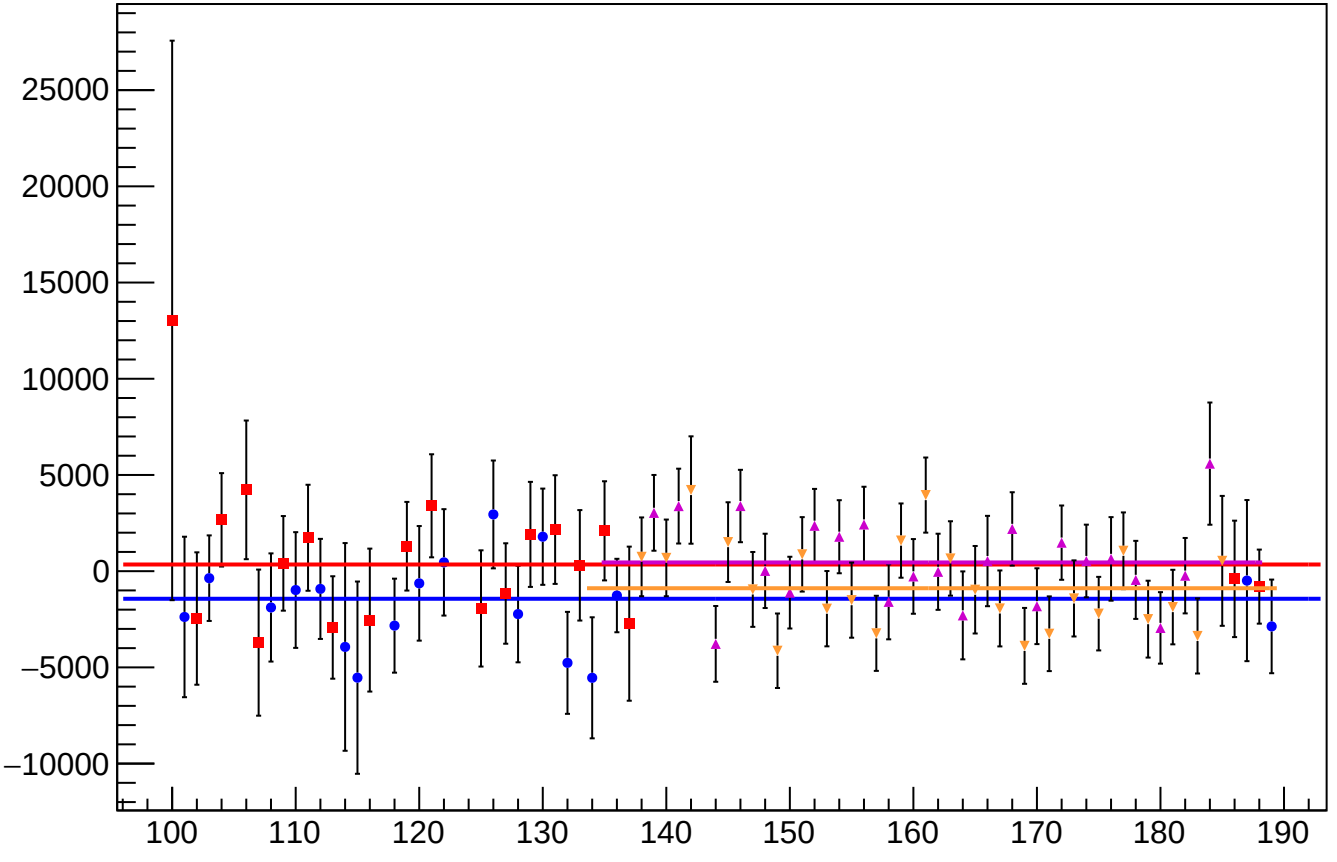
Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

+ sign 761.970+/-0.110 χ^2/NDF: 4759569.4/41

All: 758.734+/-0.078 χ^2/NDF: 10304616.2/84

- sign 755.543+/-0.109 χ^2/NDF: 5543329.4/42

dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1434.036+/-656.440 χ^2/NDF: 10.0/17

Left Out: -886.354+/-413.227 χ^2/NDF:28.1/23

Right Out: 346.967+/-635.804 χ^2/NDF: 11.6/19

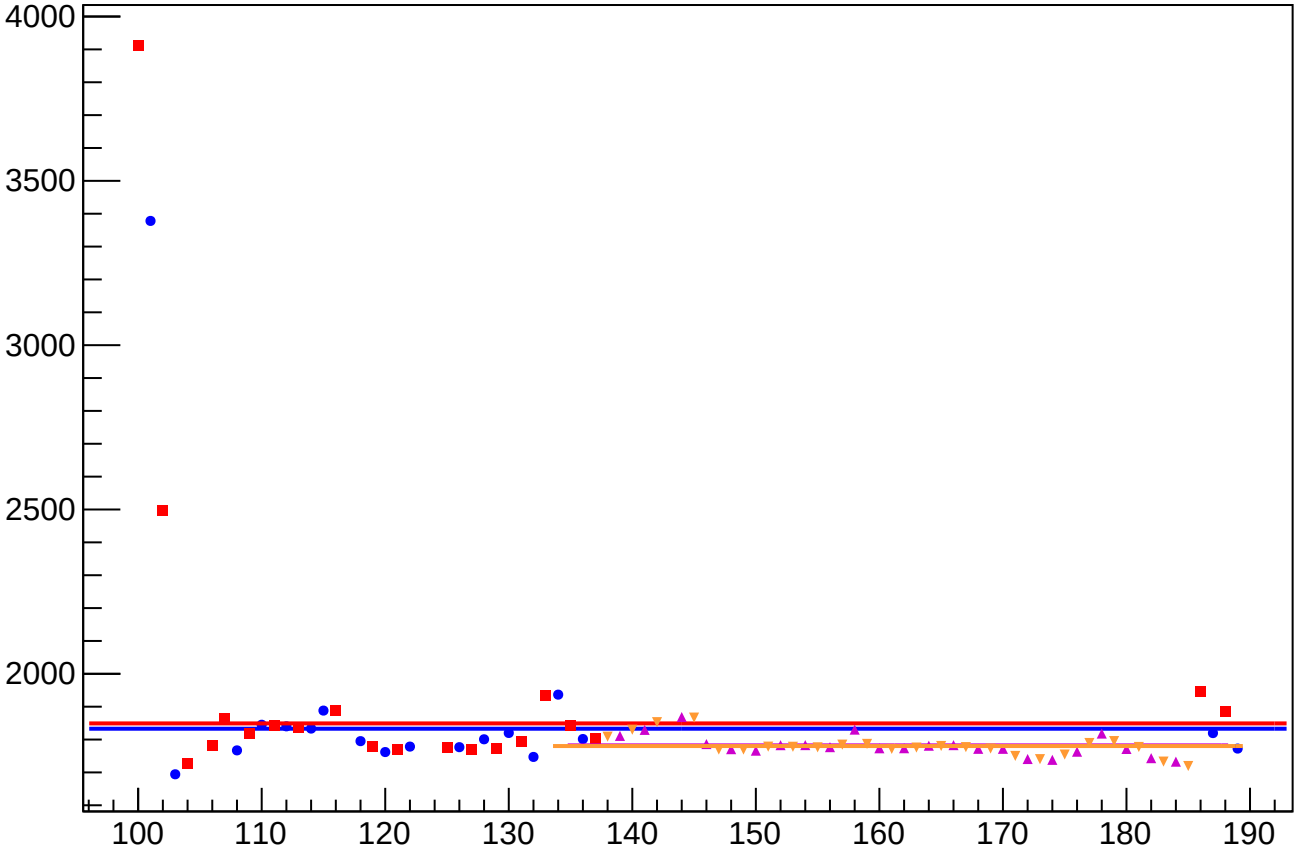
Left In: 453.237+/-416.200 χ^2/NDF:25.8/22

+ sign -1041.788+/-349.707 χ^2/NDF: 38.7/41

All: -307.109+/-246.755 χ^2/NDF: 84.9/84

- sign 421.360+/-348.226 χ^2/NDF: 37.4/42

dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.929+/-0.464 χ^2/NDF: 293350.2/17

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

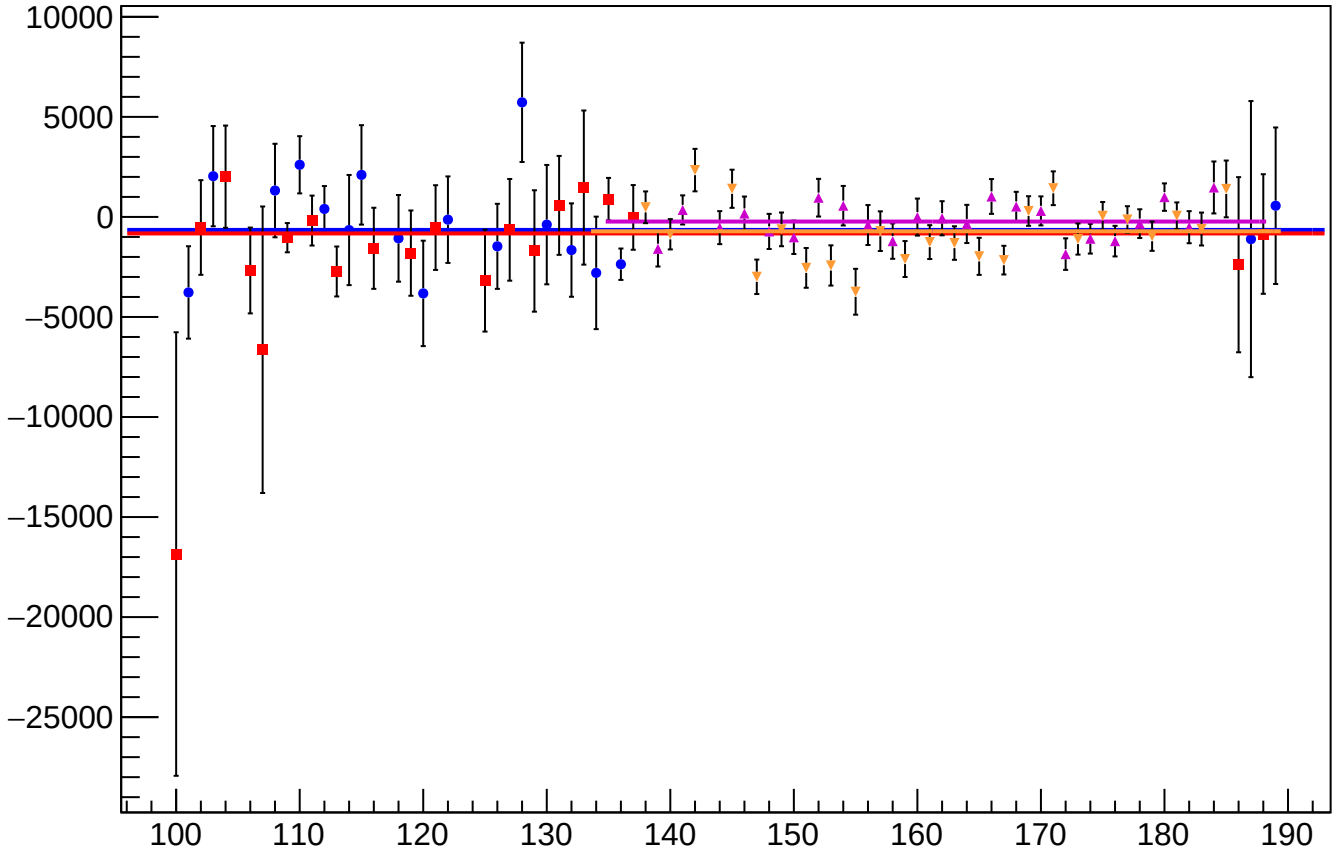
Right Out: 1849.097+/-0.450 χ^2/NDF: 131367.0/19

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1795.179+/-0.247 χ^2/NDF: 312965.5/41

All: 1798.773+/-0.174 χ^2/NDF: 471439.2/84

- sign 1802.336+/-0.246 χ^2/NDF: 158053.1/42



Right In: -649.696+/-442.124 χ^2/NDF: 22.9/17

Left Out: -716.600+/-170.602 χ^2/NDF:59.4/23

Right Out: -825.559+/-392.142 χ^2/NDF: 12.4/19

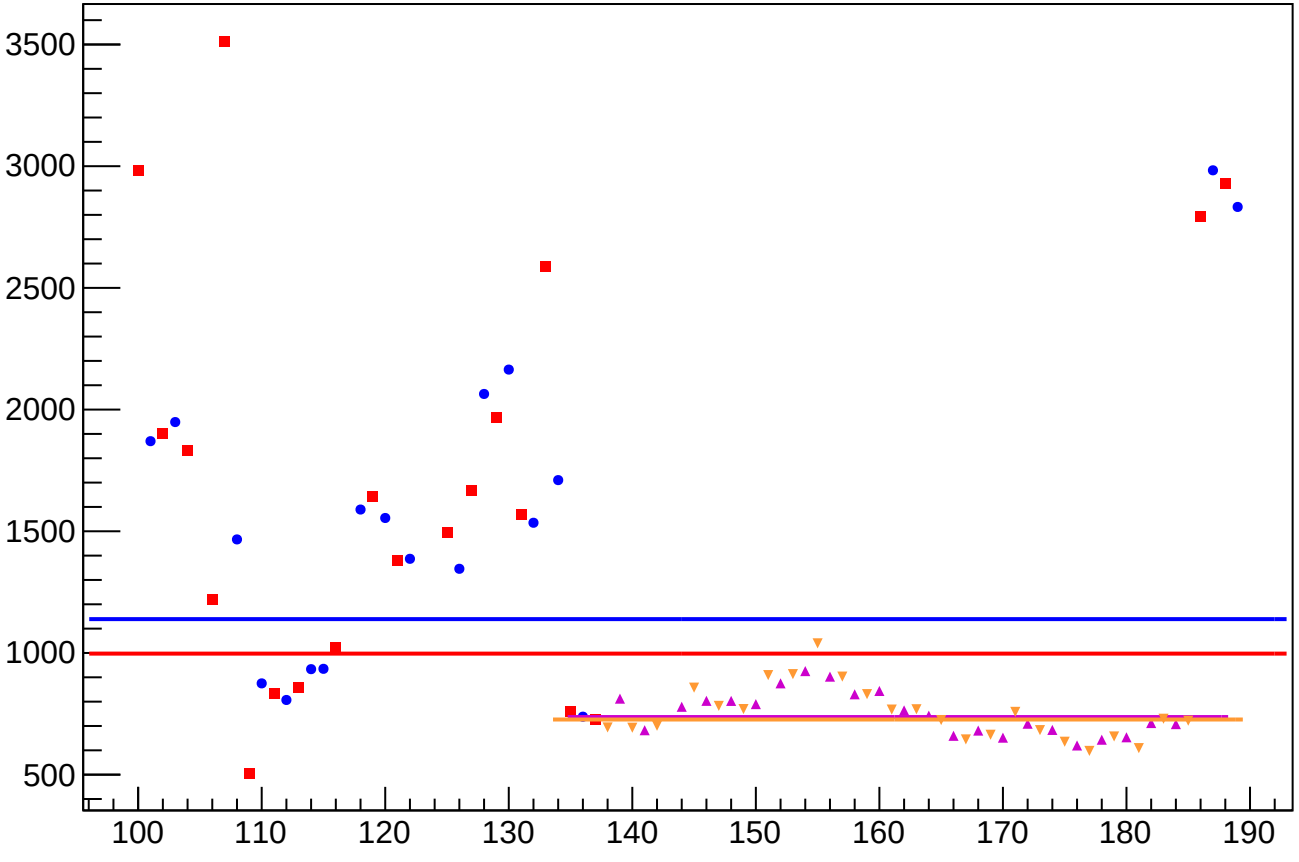
Left In: -231.320+/-173.436 χ^2/NDF:24.1/22

+ sign -707.929+/-159.164 χ^2/NDF: 82.2/41

All: -517.579+/-112.351 χ^2/NDF: 123.5/84

- sign -328.541+/-158.615 χ^2/NDF: 38.4/42

asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug



Right In: 1139.070+/-0.313 χ^2/NDF: 2499985.5/17

Left Out: 726.604+/-0.121 χ^2/NDF:684784.1/23

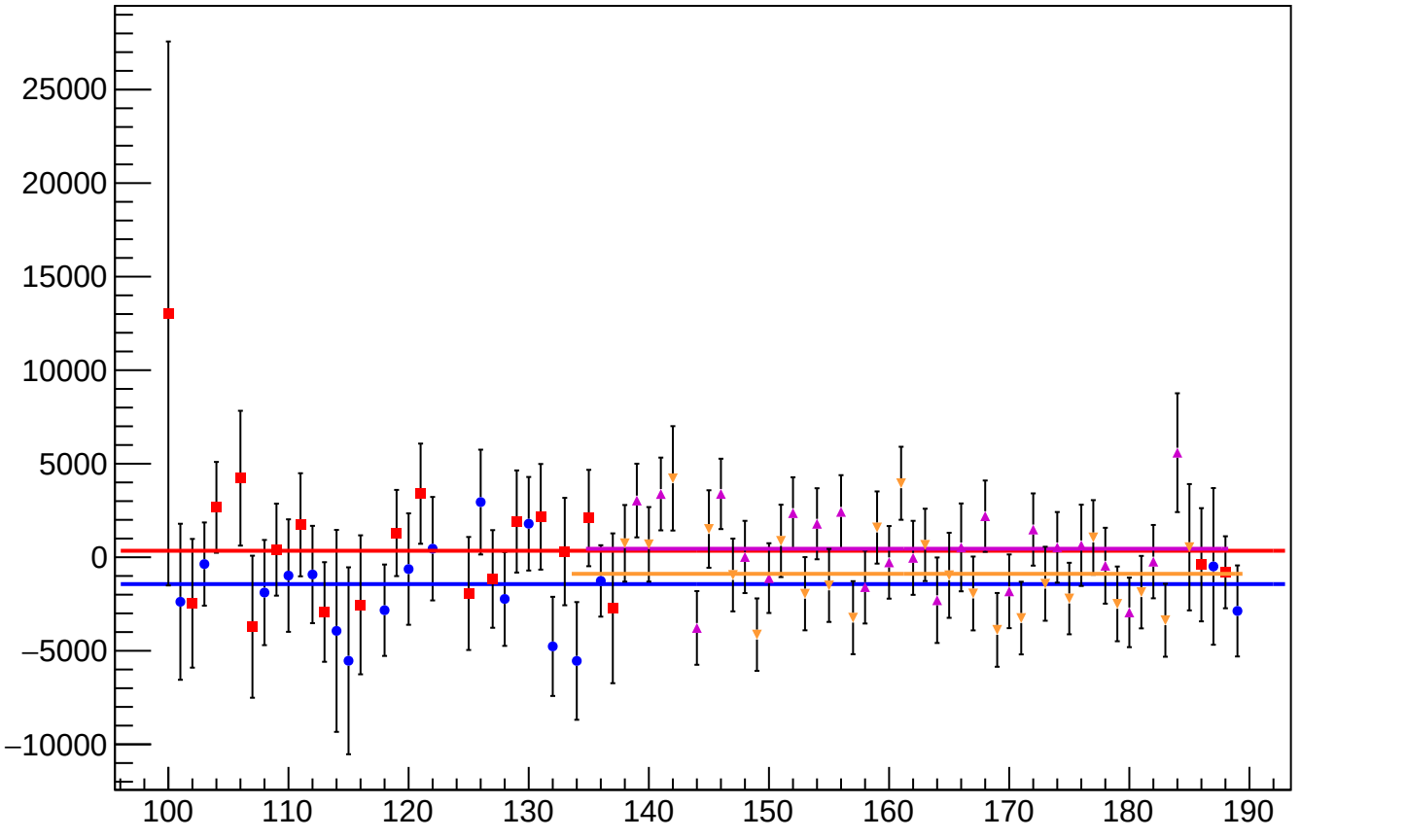
Right Out: 997.325+/-0.277 χ^2/NDF: 4255191.3/19

Left In: 736.709+/-0.123 χ^2/NDF:465041.6/22

+ sign 780.060+/-0.113 χ^2/NDF: 4699856.3/41

All: 779.703+/-0.079 χ^2/NDF: 10158957.6/84

- sign 779.348+/-0.112 χ^2/NDF: 5459081.3/42



Right In: -1434.038+/-656.440 χ^2/NDF: 10.0/17

Left Out: -886.352+/-413.227 χ^2/NDF:28.1/23

Right Out: 346.969+/-635.804 χ^2/NDF: 11.6/19

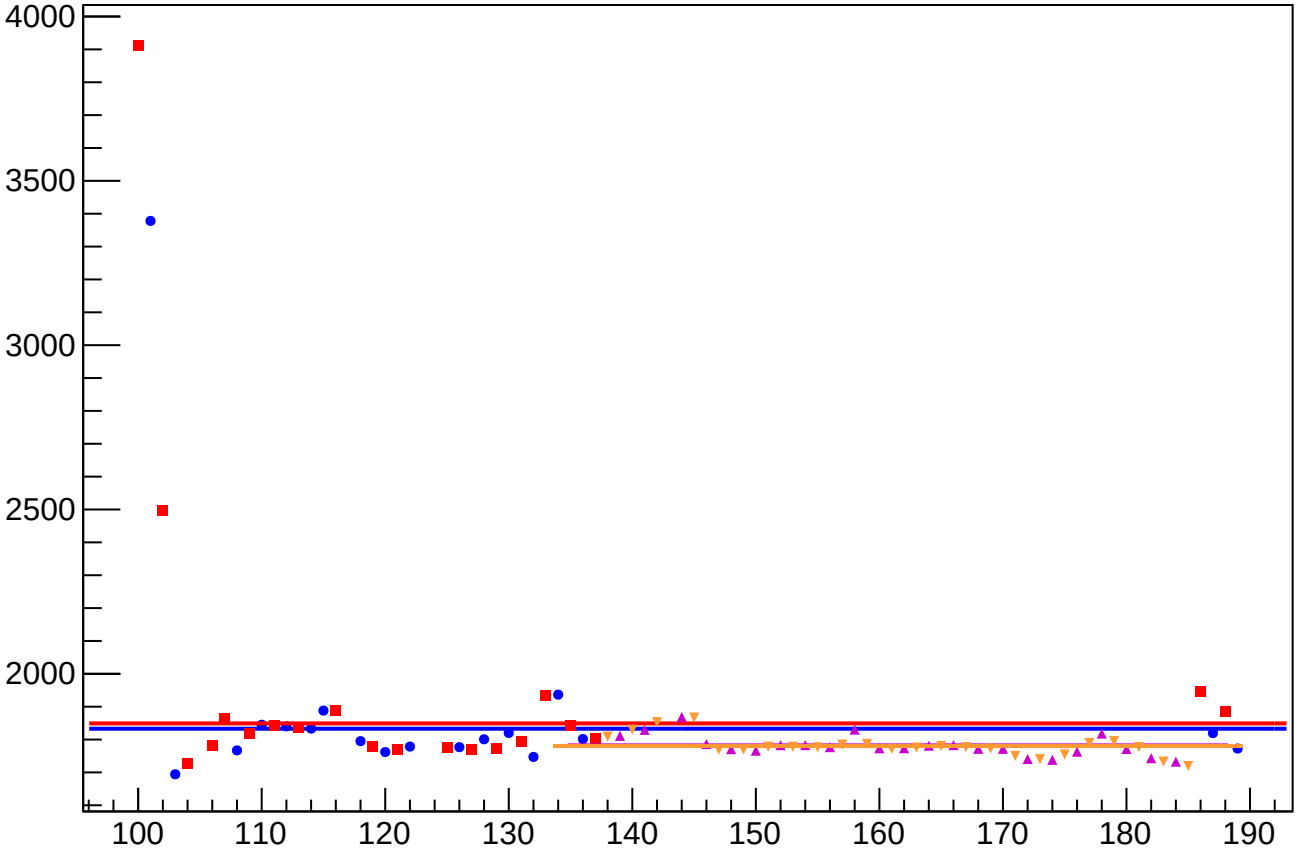
Left In: 453.236+/-416.200 χ^2/NDF:25.8/22

\+ sign -1041.788+/-349.707 χ^2/NDF: 38.7/41

All: -307.109+/-246.755 χ^2/NDF: 84.9/84

\- sign 421.359+/-348.226 χ^2/NDF: 37.4/42

eigen_dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.929+/-0.464 χ^2/NDF: 293350.2/17

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

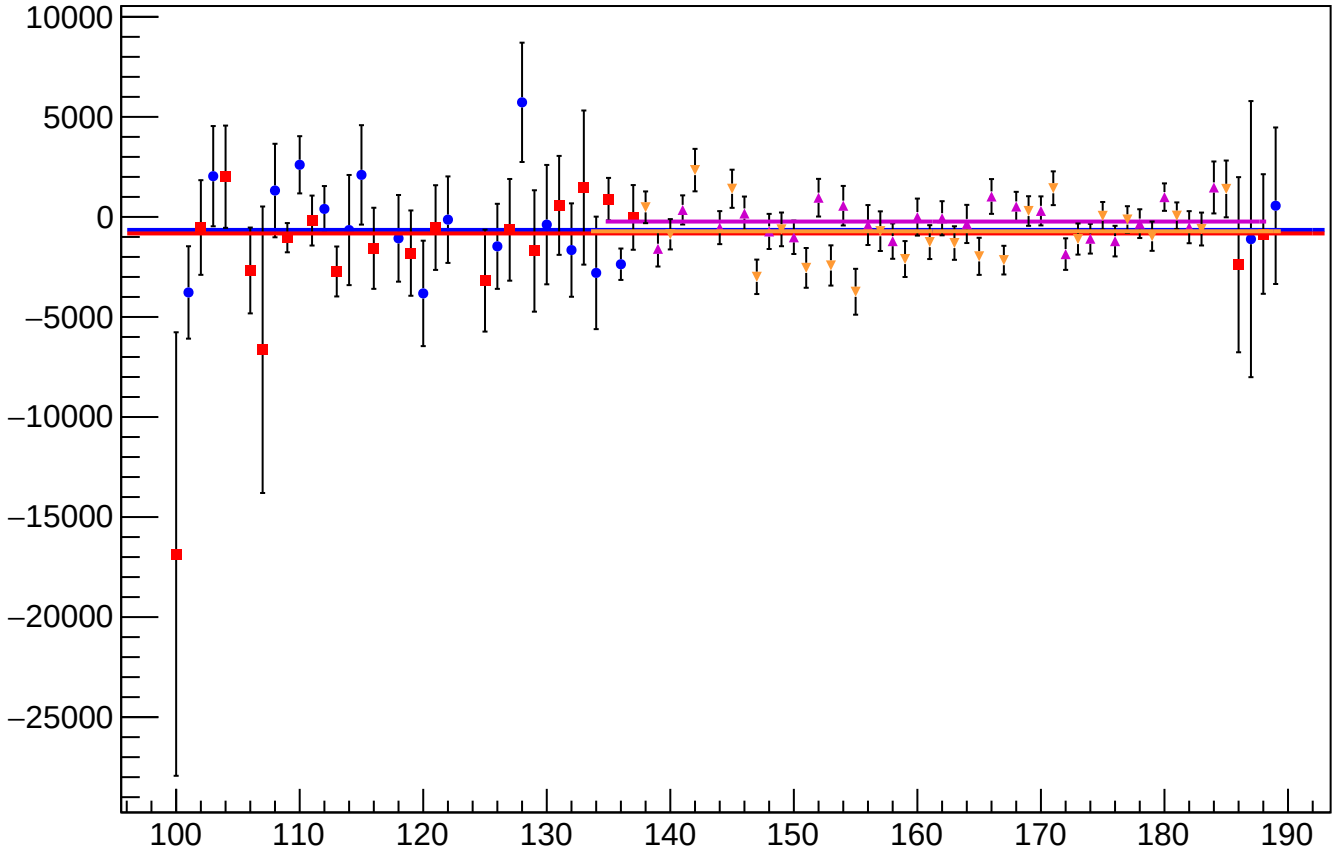
Right Out: 1849.097+/-0.450 χ^2/NDF: 131367.1/19

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1795.179+/-0.247 χ^2/NDF: 312965.5/41

All: 1798.773+/-0.174 χ^2/NDF: 471439.4/84

- sign 1802.336+/-0.246 χ^2/NDF: 158053.3/42



Right In: -649.683+/-442.124 χ^2/NDF: 22.9/17

Left Out: -716.601+/-170.602 χ^2/NDF:59.4/23

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Left In: -231.318+/-173.435 χ^2/NDF:24.1/22

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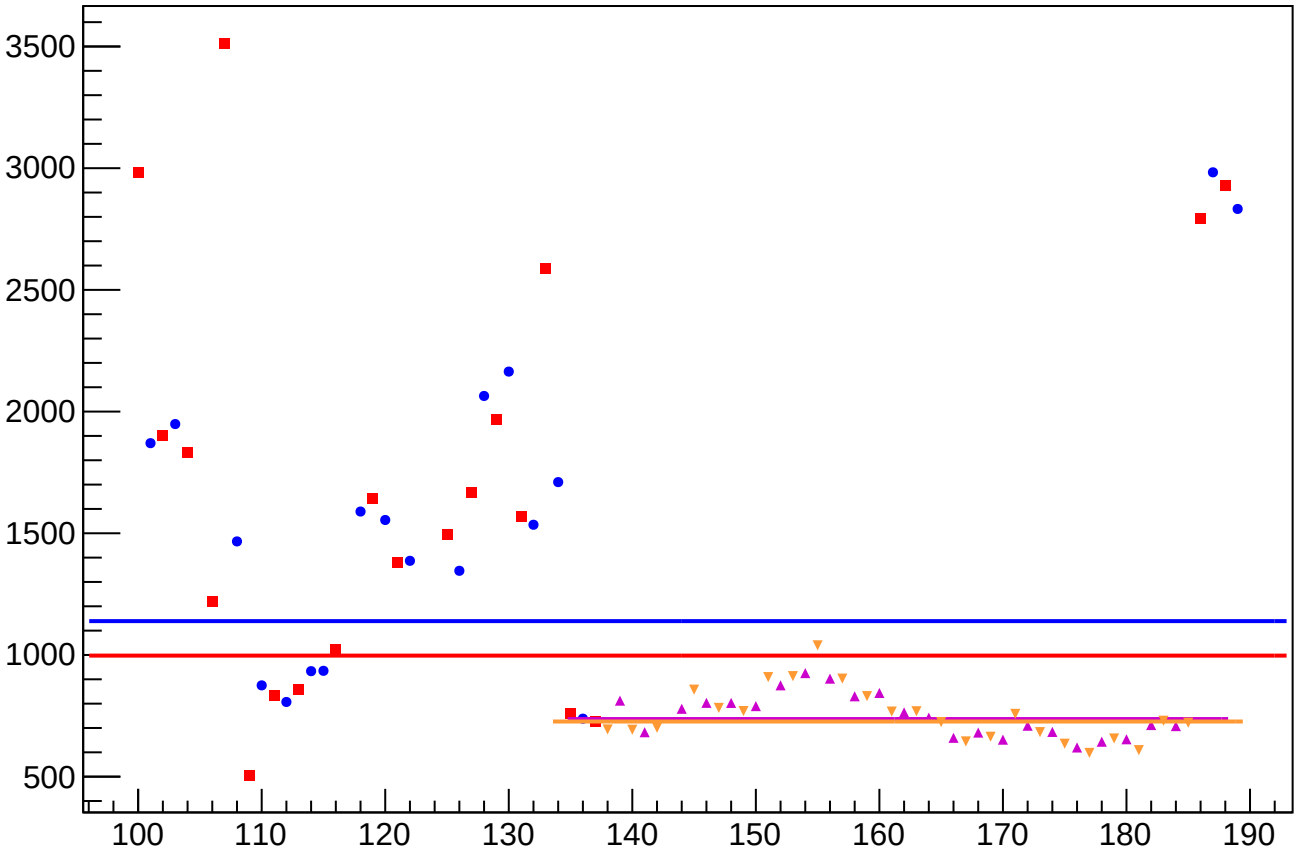
All: -517.579+/-112.351 χ^2/NDF: 123.5/84

- sign -328.541+/-158.615 χ^2/NDF: 38.4/42



Right In: 1139.073+/-0.313 χ^2/NDF: 2499944.9/17

Left Out: 726.605+/-0.121 χ^2/NDF:684780.2/23

Right Out: 997.327+/-0.277 χ^2/NDF: 4255162.6/19

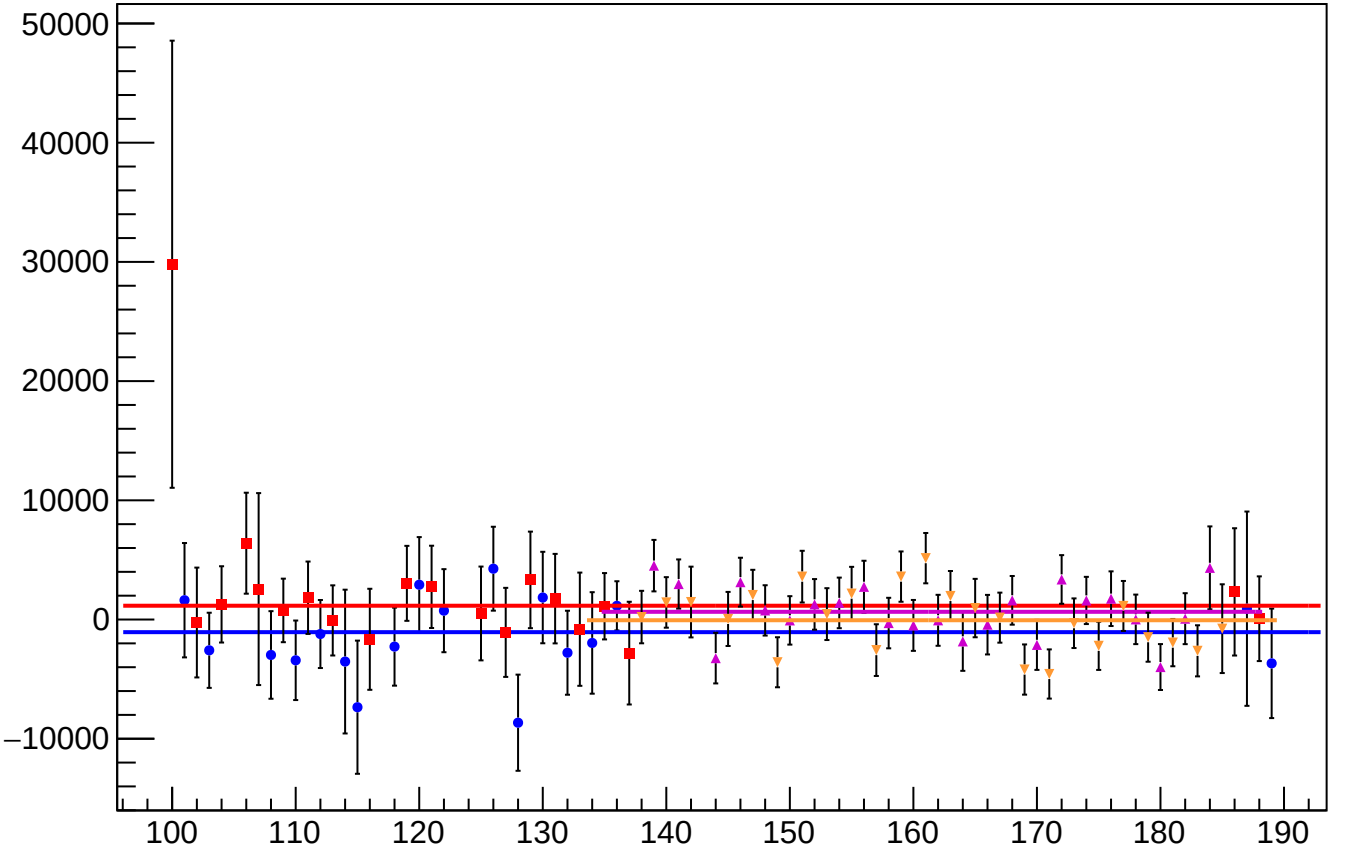
Left In: 736.709+/-0.123 χ^2/NDF:465053.4/22

+ sign 780.060+/-0.113 χ^2/NDF: 4699828.5/41

All: 779.703+/-0.079 χ^2/NDF: 10158928.7/84

- sign 779.348+/-0.112 χ^2/NDF: 5459080.0/42

asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1059.597+/-853.715 χ^2/NDF: 12.4/17

Left Out: -59.589+/-445.601 χ^2/NDF:33.0/23

Right Out: 1157.624+/-835.031 χ^2/NDF: 7.1/19

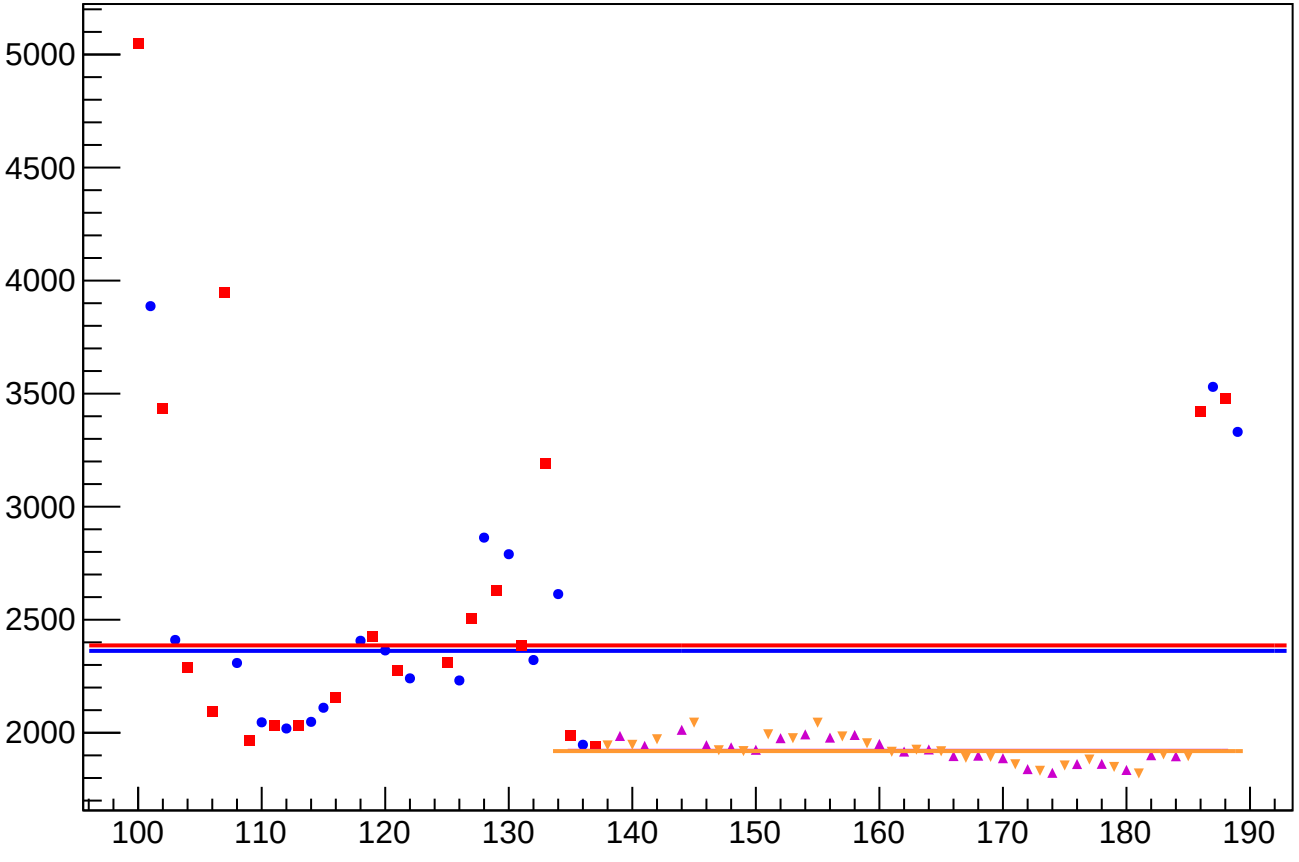
Left In: 646.910+/-448.538 χ^2/NDF:23.7/22

+ sign -273.698+/-395.028 χ^2/NDF: 46.4/41

All: 243.639+/-279.367 χ^2/NDF: 80.9/84

- sign 761.270+/-395.141 χ^2/NDF: 31.1/42

asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 2362.236+/-0.604 χ^2/NDF: 538954.3/17

Left Out: 1918.975+/-0.315 χ^2/NDF:35574.5/23

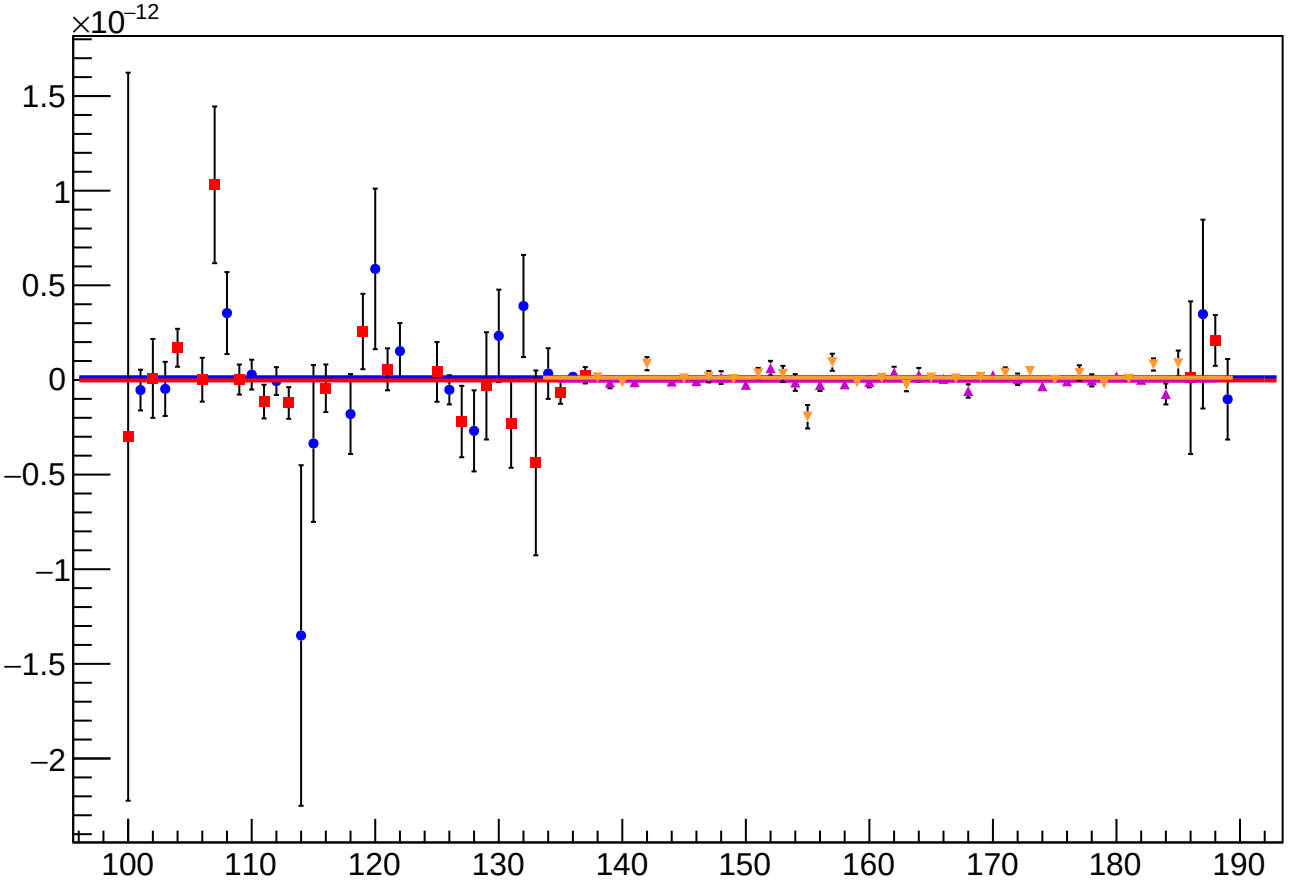
Right Out: 2386.380+/-0.590 χ^2/NDF: 740557.0/19

Left In: 1920.214+/-0.317 χ^2/NDF:29912.0/22

+ sign 2013.881+/-0.279 χ^2/NDF: 998257.7/41

All: 2019.239+/-0.198 χ^2/NDF: 2253207.4/84

- sign 2024.601+/-0.279 χ^2/NDF: 1254213.4/42



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/23

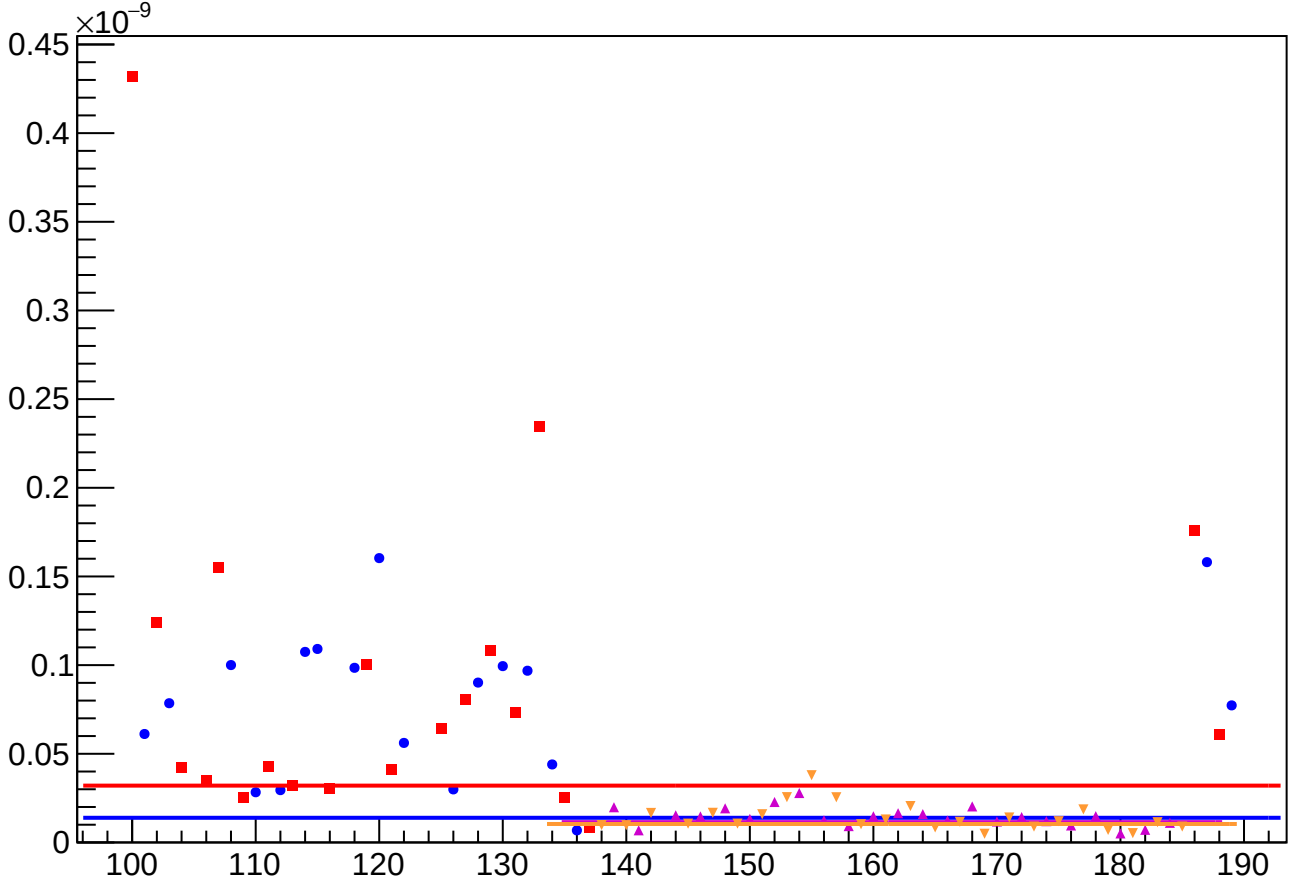
Right Out: -0.000+/-0.000 χ^2/NDF: 22.1/19

Left In: -0.000+/-0.000 χ^2/NDF:19.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 53.8/41

All: 0.000+/-0.000 χ^2/NDF: 100.6/84

- sign -0.000+/-0.000 χ^2/NDF: 41.6/42



Right In: 0.000+/-0.000 χ^2/NDF: 3761847.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:2075235.5/23

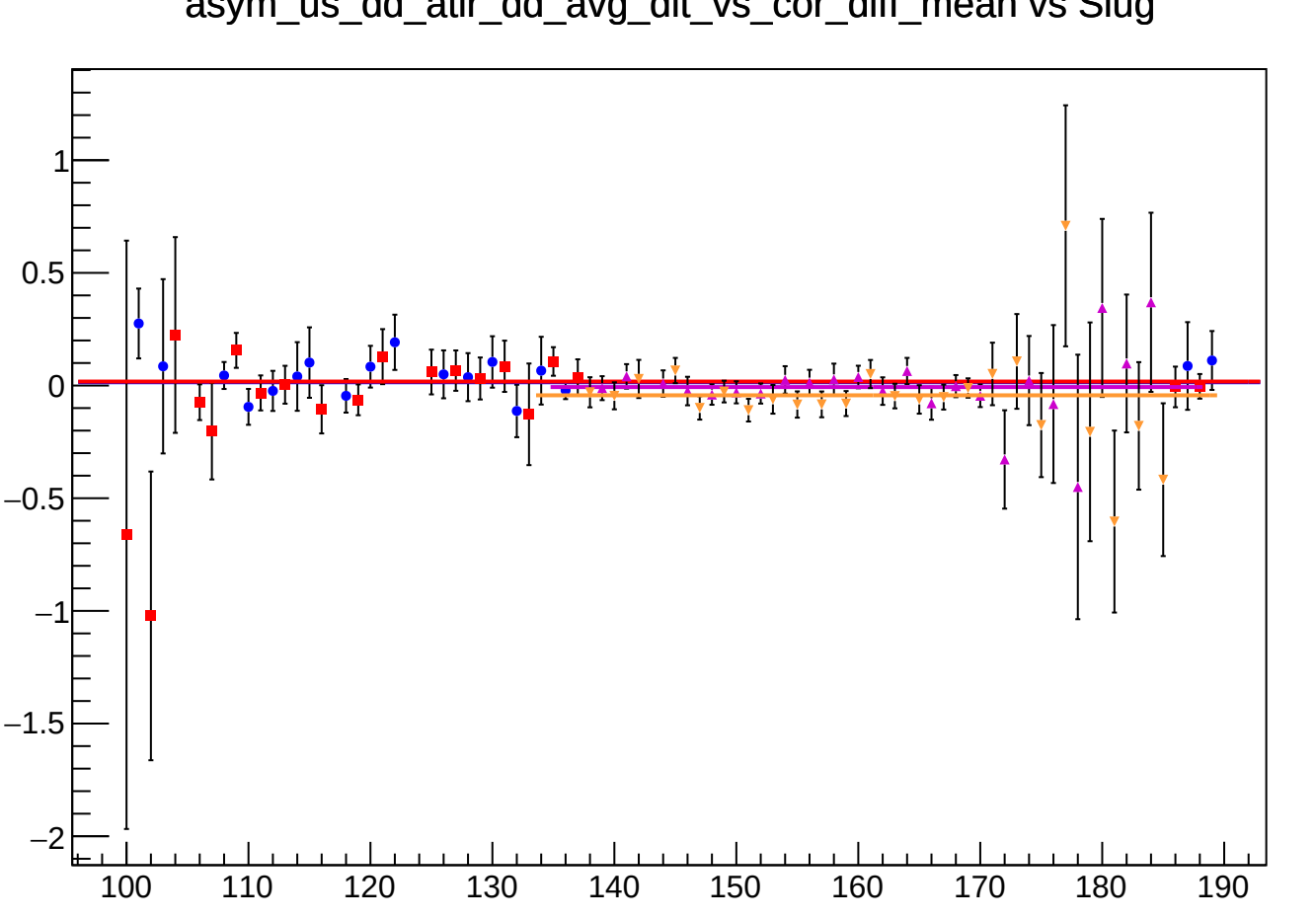
Right Out: 0.000+/-0.000 χ^2/NDF: 2702987.4/19

Left In: 0.000+/-0.000 χ^2/NDF:1894438.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5949910.3/41

All: 0.000+/-0.000 χ^2/NDF: 12107167.8/84

- sign 0.000+/-0.000 χ^2/NDF: 6044595.1/42



Right In: 0.015+/-0.021 χ^2/NDF: 12.4/17

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

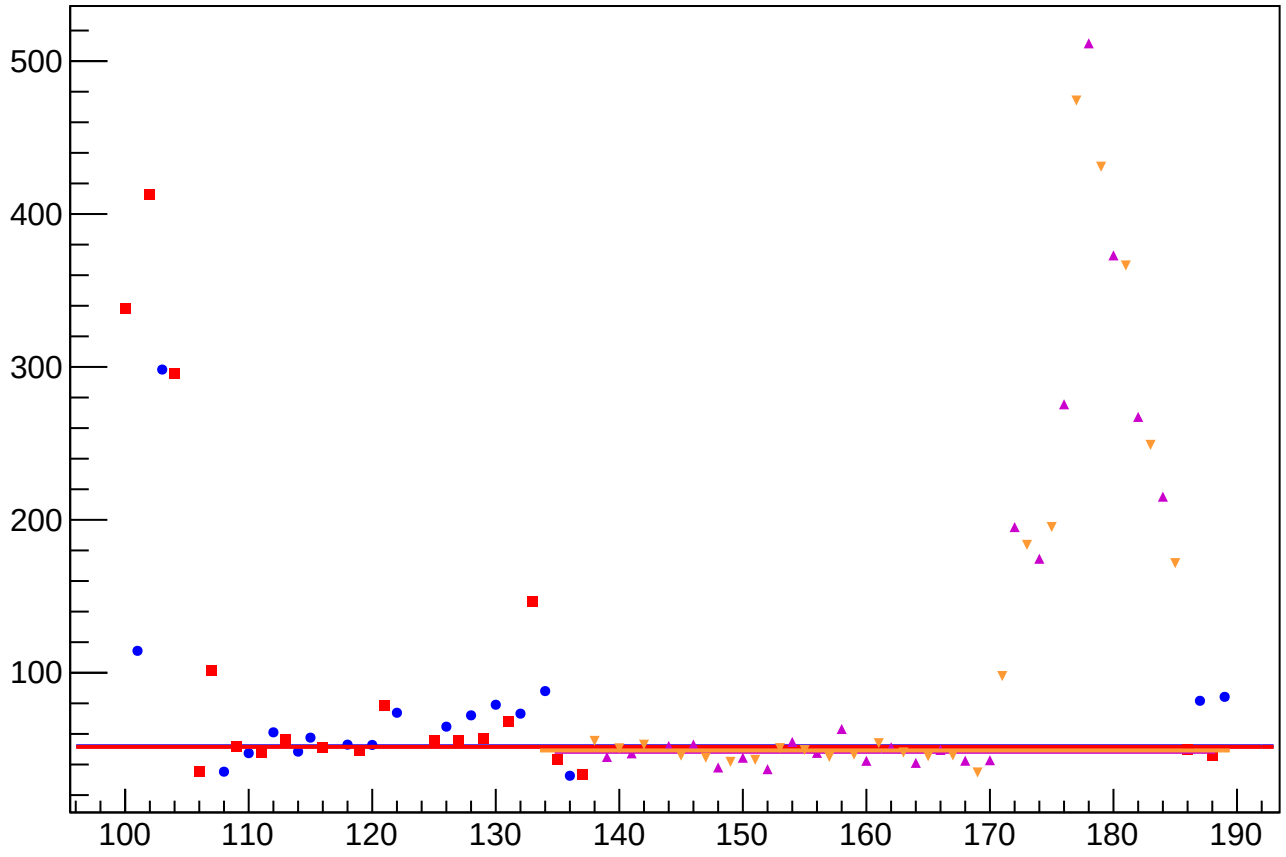
Right Out: 0.018+/-0.021 χ^2/NDF: 16.2/19

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.026+/-0.012 χ^2/NDF: 36.4/41

All: -0.012+/-0.008 χ^2/NDF: 67.6/84

- sign 0.001+/-0.011 χ^2/NDF: 28.5/42



Right In: 51.927+/-0.015 χ^2/NDF: 2442391.9/17

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

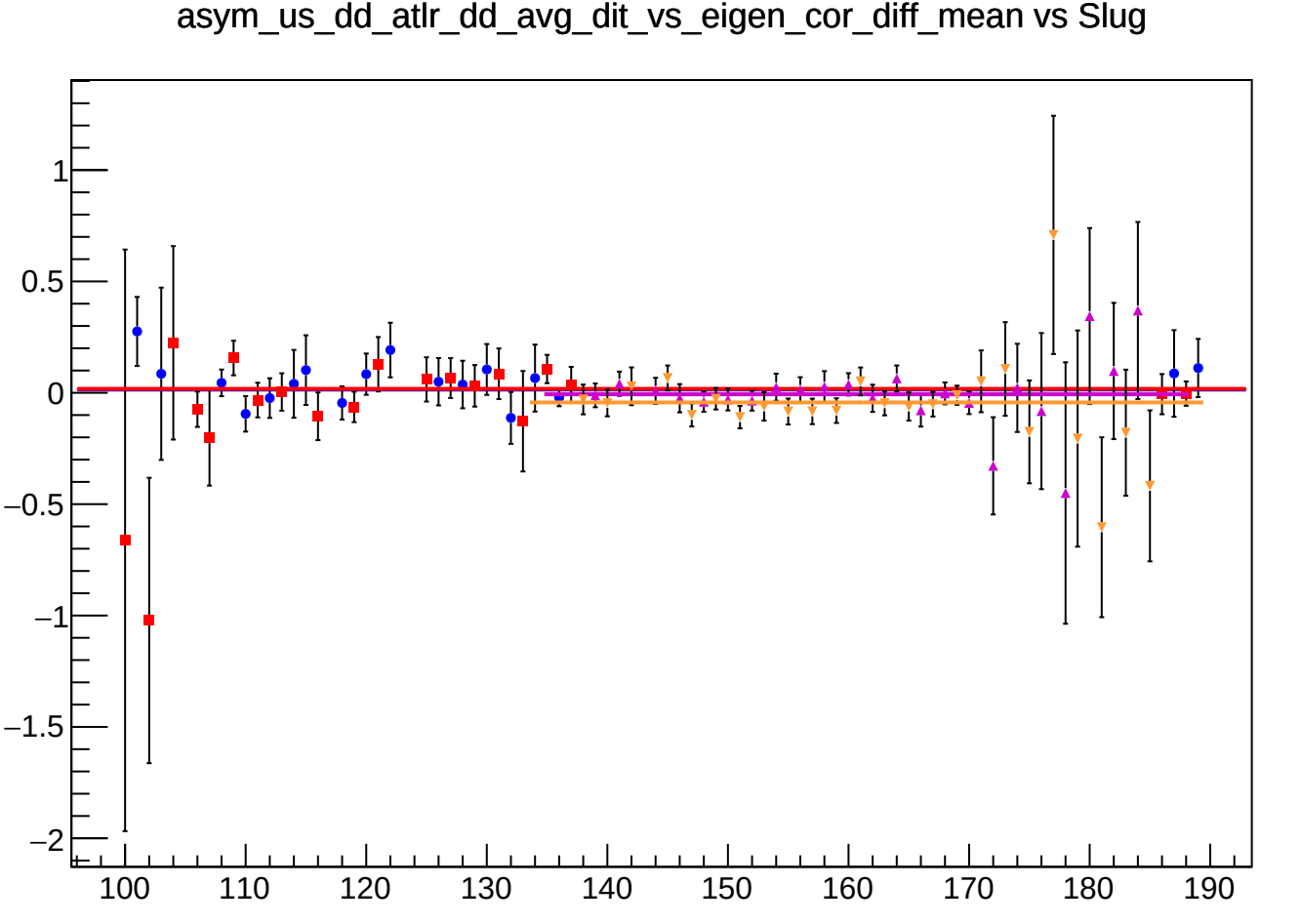
Right Out: 51.535+/-0.015 χ^2/NDF: 2239338.2/19

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

+ sign 49.993+/-0.008 χ^2/NDF: 9715583.7/41

All: 49.622+/-0.006 χ^2/NDF: 19033584.9/84

- sign 49.271+/-0.008 χ^2/NDF: 9314058.2/42



Right In: 0.015+/-0.021 χ^2/NDF: 12.4/17

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

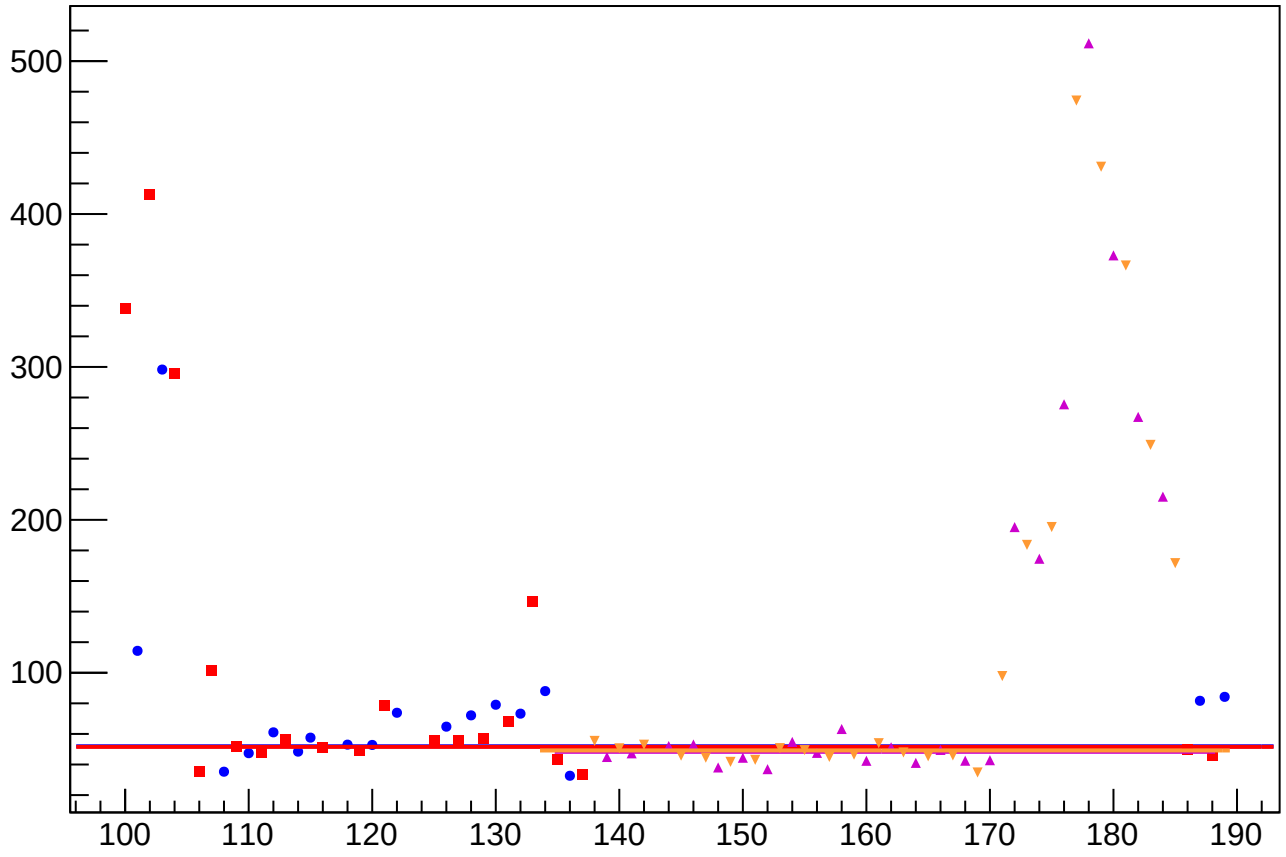
Right Out: 0.018+/-0.021 χ^2/NDF: 16.2/19

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

\+ sign -0.026+/-0.012 χ^2/NDF: 36.4/41

All: -0.012+/-0.008 χ^2/NDF: 67.6/84

\- sign 0.001+/-0.011 χ^2/NDF: 28.5/42



Right In: 51.927+/-0.015 χ^2/NDF: 2442391.9/17

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

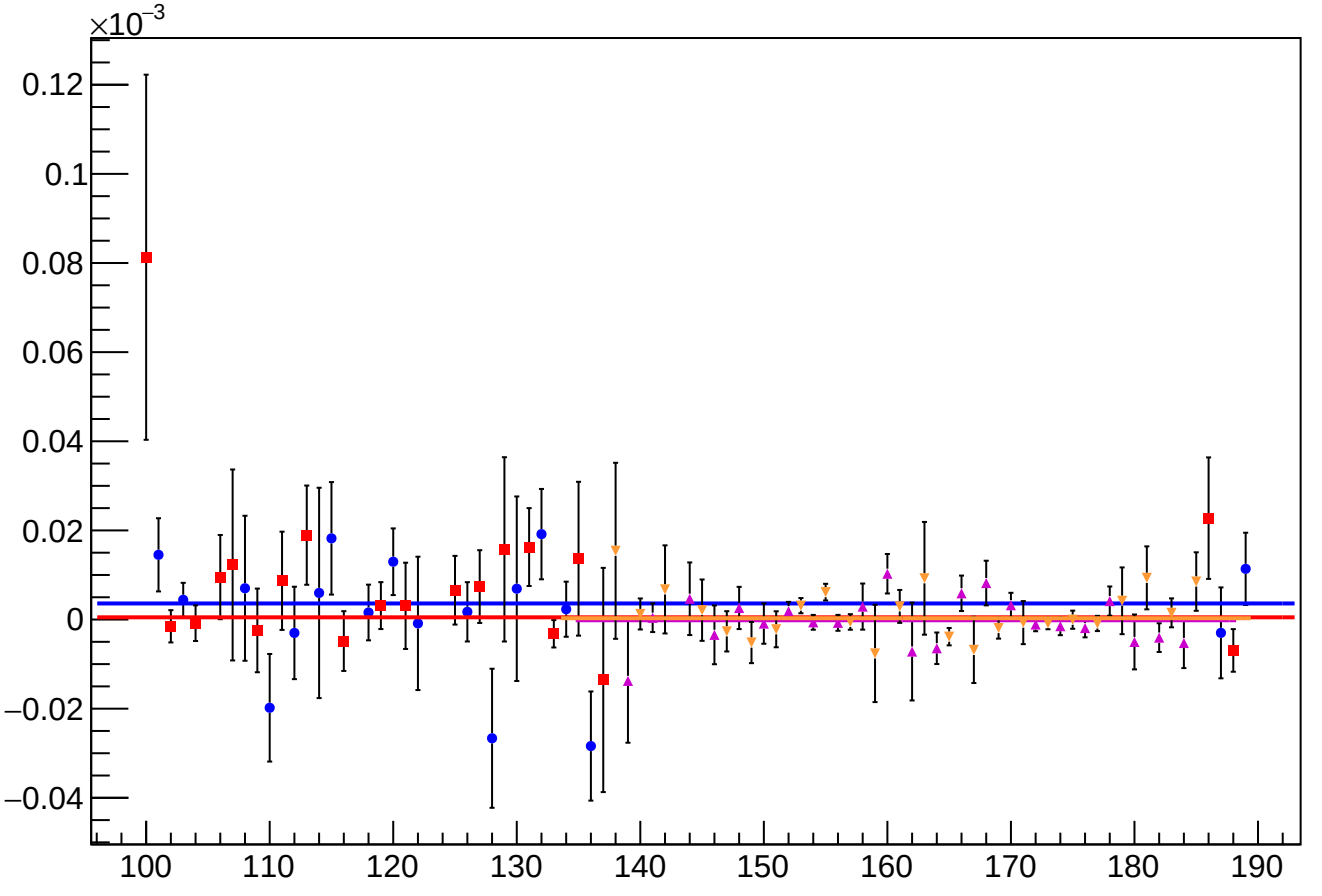
Right Out: 51.535+/-0.015 χ^2/NDF: 2239338.2/19

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

+ sign 49.993+/-0.008 χ^2/NDF: 9715583.7/41

All: 49.622+/-0.006 χ^2/NDF: 19033584.9/84

- sign 49.271+/-0.008 χ^2/NDF: 9314058.2/42



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/23

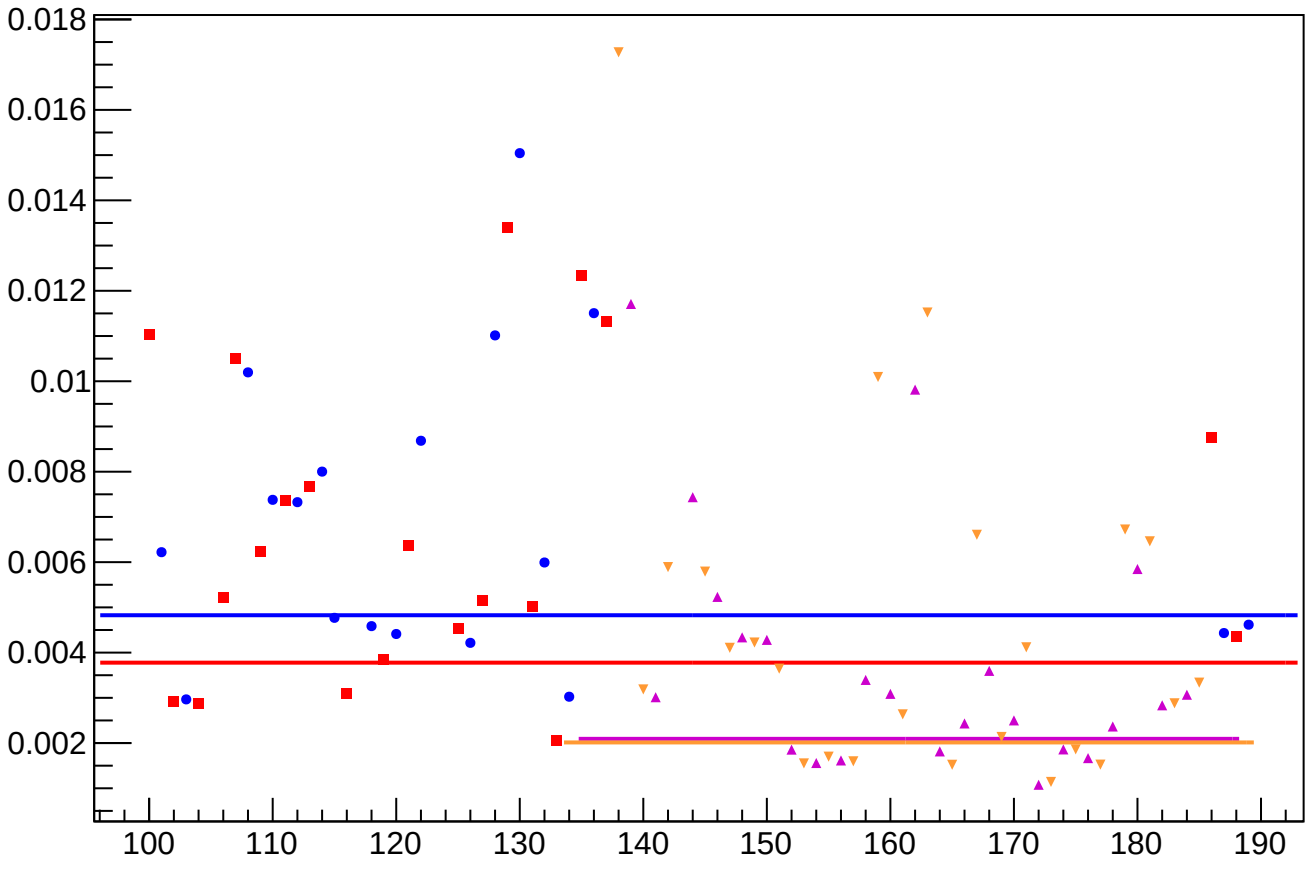
Right Out: 0.000+/-0.000 χ^2/NDF: 22.4/19

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 55.0/41

All: 0.000+/-0.000 χ^2/NDF: 103.4/84

- sign -0.000+/-0.000 χ^2/NDF: 47.9/42



Right In: 0.005+/-0.000 χ^2/NDF: 2749821.1/17

Left Out: 0.002+/-0.000 χ^2/NDF:10262318.5/23

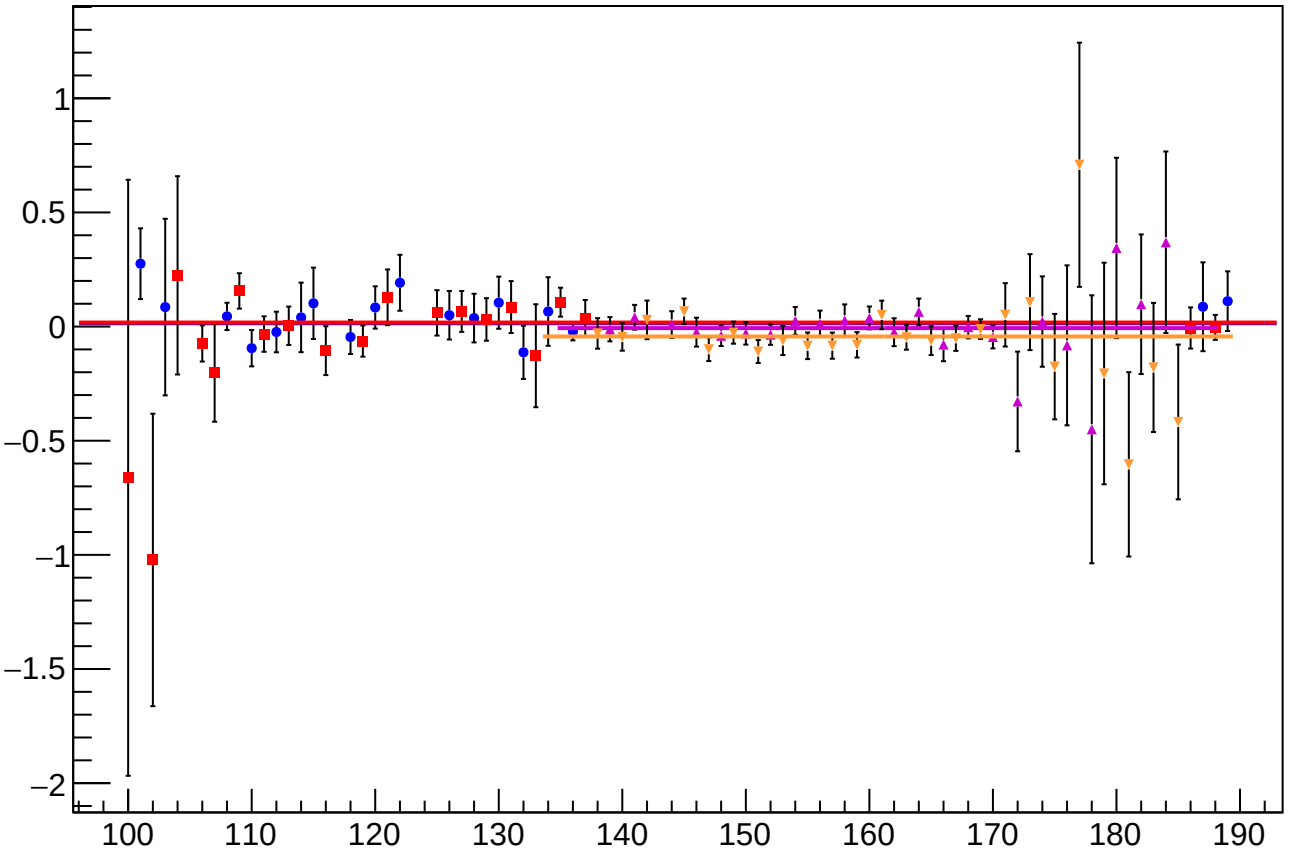
Right Out: 0.004+/-0.000 χ^2/NDF: 3416919.4/19

Left In: 0.002+/-0.000 χ^2/NDF:7141979.6/22

\+ sign 0.002+/-0.000 χ^2/NDF: 16755415.0/41

All: 0.002+/-0.000 χ^2/NDF: 29570614.5/84

\- sign 0.002+/-0.000 χ^2/NDF: 12776249.4/42



Right In: 0.015+/-0.021 χ^2/NDF: 12.4/17

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

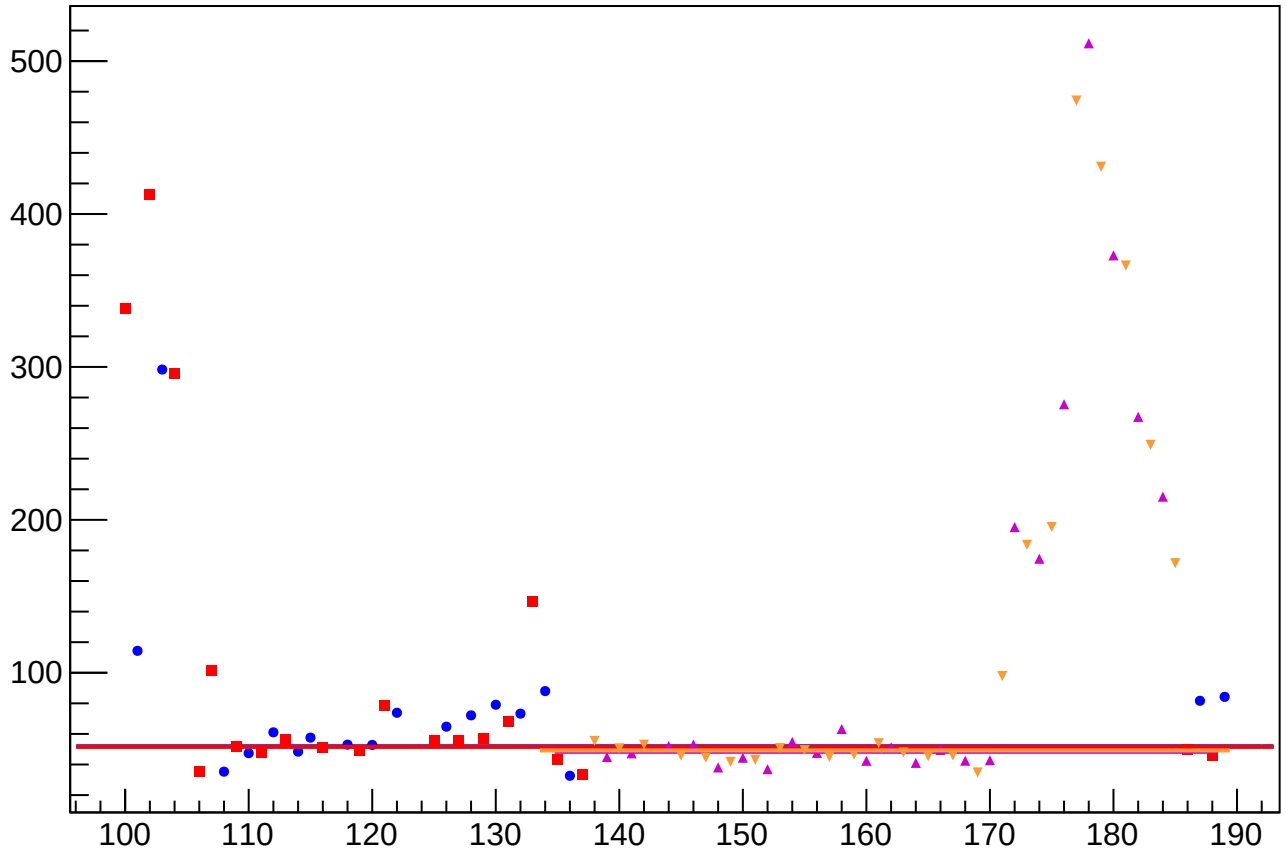
Right Out: 0.018+/-0.021 χ^2/NDF: 16.2/19

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.026+/-0.012 χ^2/NDF: 36.4/41

All: -0.012+/-0.008 χ^2/NDF: 67.6/84

- sign 0.001+/-0.011 χ^2/NDF: 28.5/42



Right In: 51.927+/-0.015 χ^2/NDF: 2442300.3/17

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

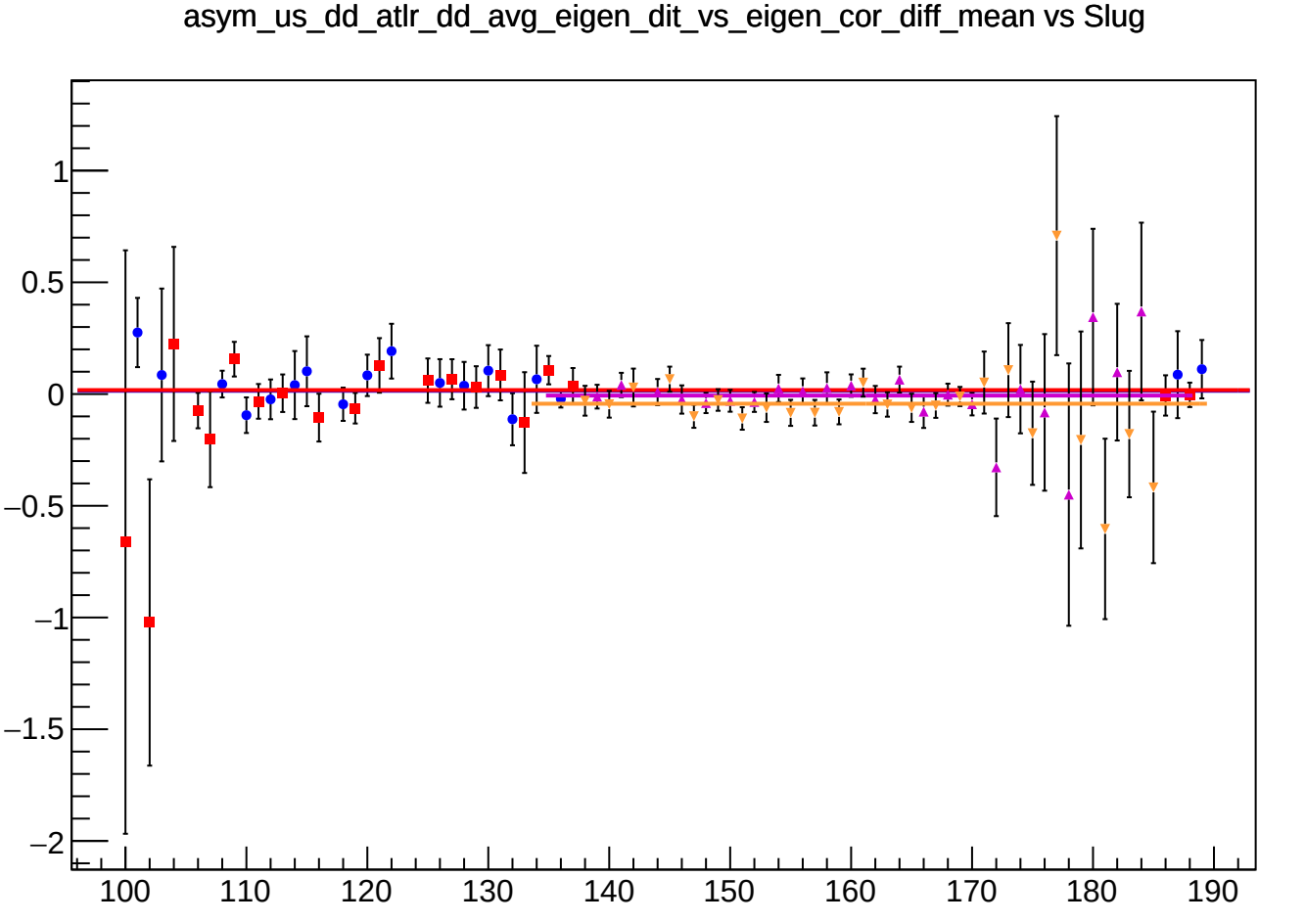
Right Out: 51.536+/-0.015 χ^2/NDF: 2239218.4/19

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

\+ sign 49.993+/-0.008 χ^2/NDF: 9715515.9/41

All: 49.622+/-0.006 χ^2/NDF: 19033322.8/84

\- sign 49.272+/-0.008 χ^2/NDF: 9313869.4/42



Right In: 0.015+/-0.021 χ^2/NDF: 12.4/17

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

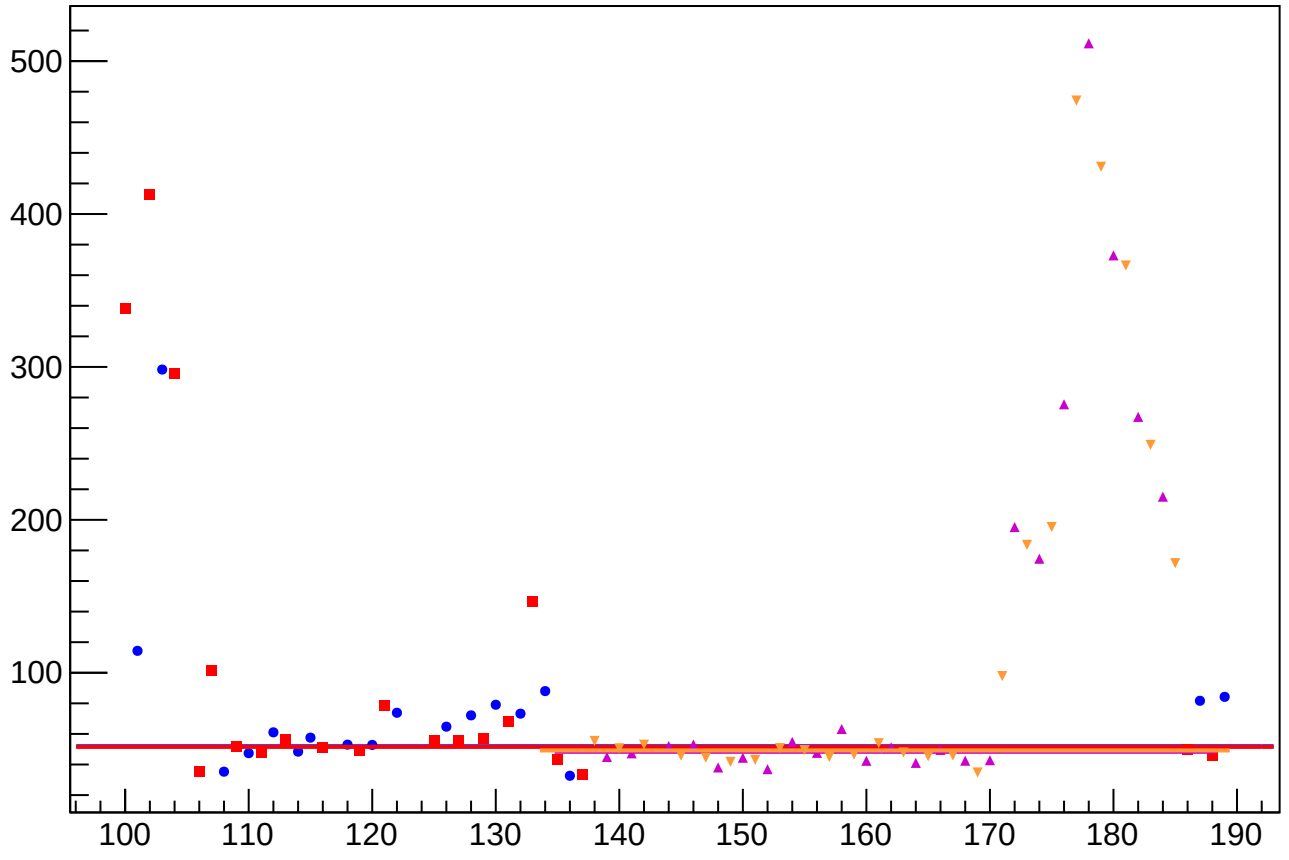
Right Out: 0.018+/-0.021 χ^2/NDF: 16.2/19

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

\+ sign -0.026+/-0.012 χ^2/NDF: 36.4/41

All: -0.012+/-0.008 χ^2/NDF: 67.6/84

\- sign 0.001+/-0.011 χ^2/NDF: 28.5/42



Right In: 51.927+/-0.015 χ^2/NDF: 2442300.3/17

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

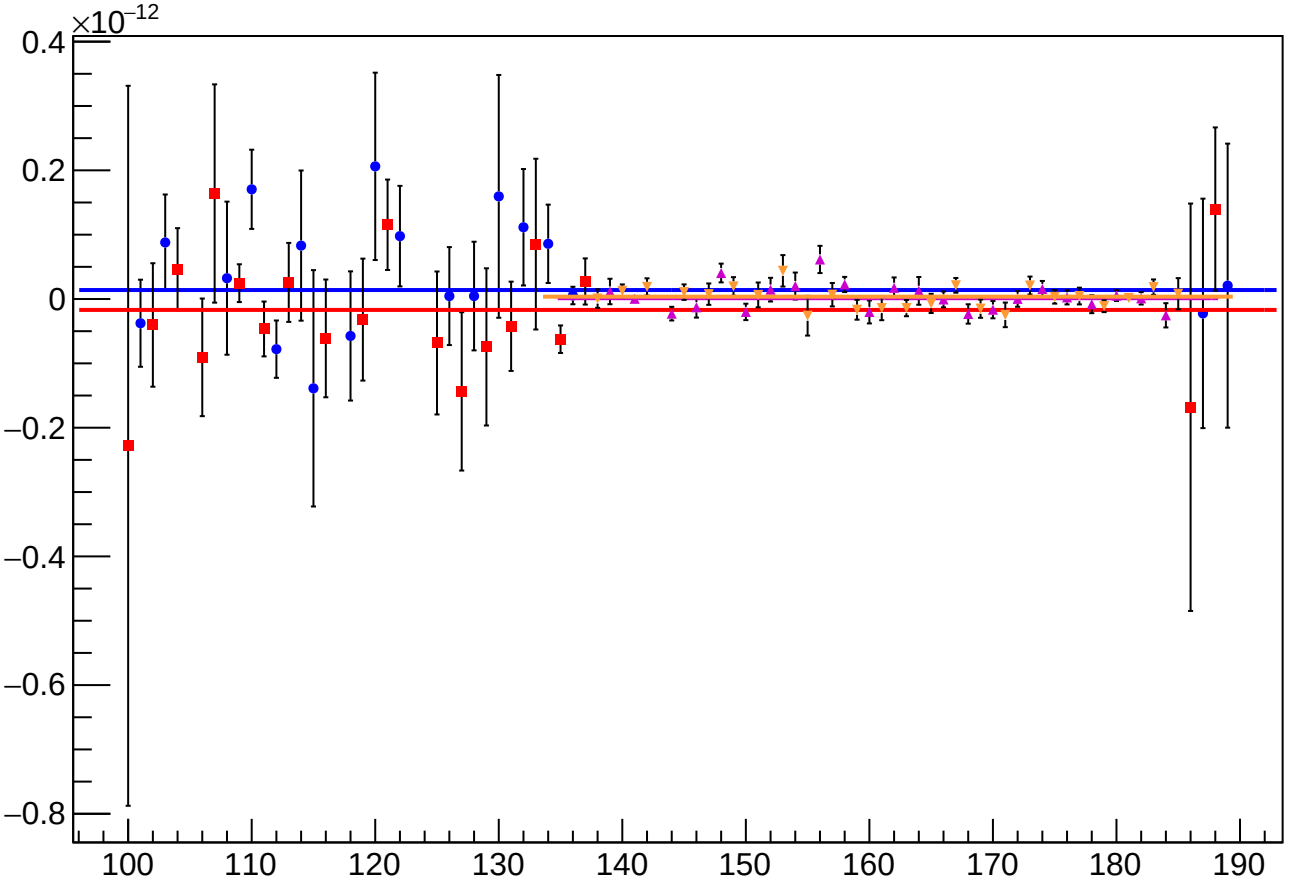
Right Out: 51.536+/-0.015 χ^2/NDF: 2239218.4/19

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

+ sign 49.993+/-0.008 χ^2/NDF: 9715515.9/41

All: 49.622+/-0.006 χ^2/NDF: 19033322.8/84

- sign 49.272+/-0.008 χ^2/NDF: 9313869.4/42



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:24.6/23

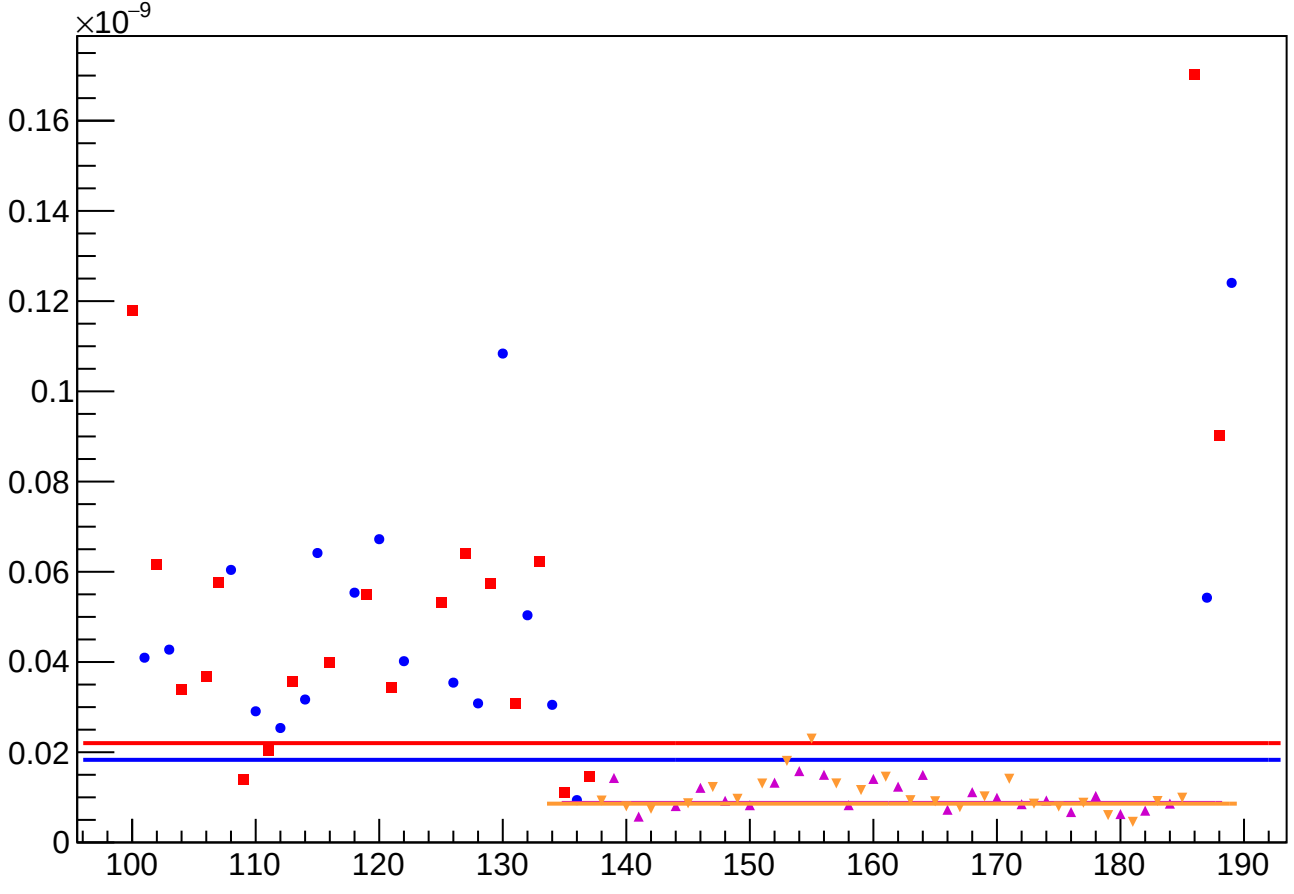
Right Out: -0.000+/-0.000 χ^2/NDF: 19.8/19

Left In: 0.000+/-0.000 χ^2/NDF:40.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.7/41

All: 0.000+/-0.000 χ^2/NDF: 108.6/84

- sign 0.000+/-0.000 χ^2/NDF: 61.9/42



Right In: 0.000+/-0.000 χ^2/NDF: 3941474.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:2499872.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3646666.0/19

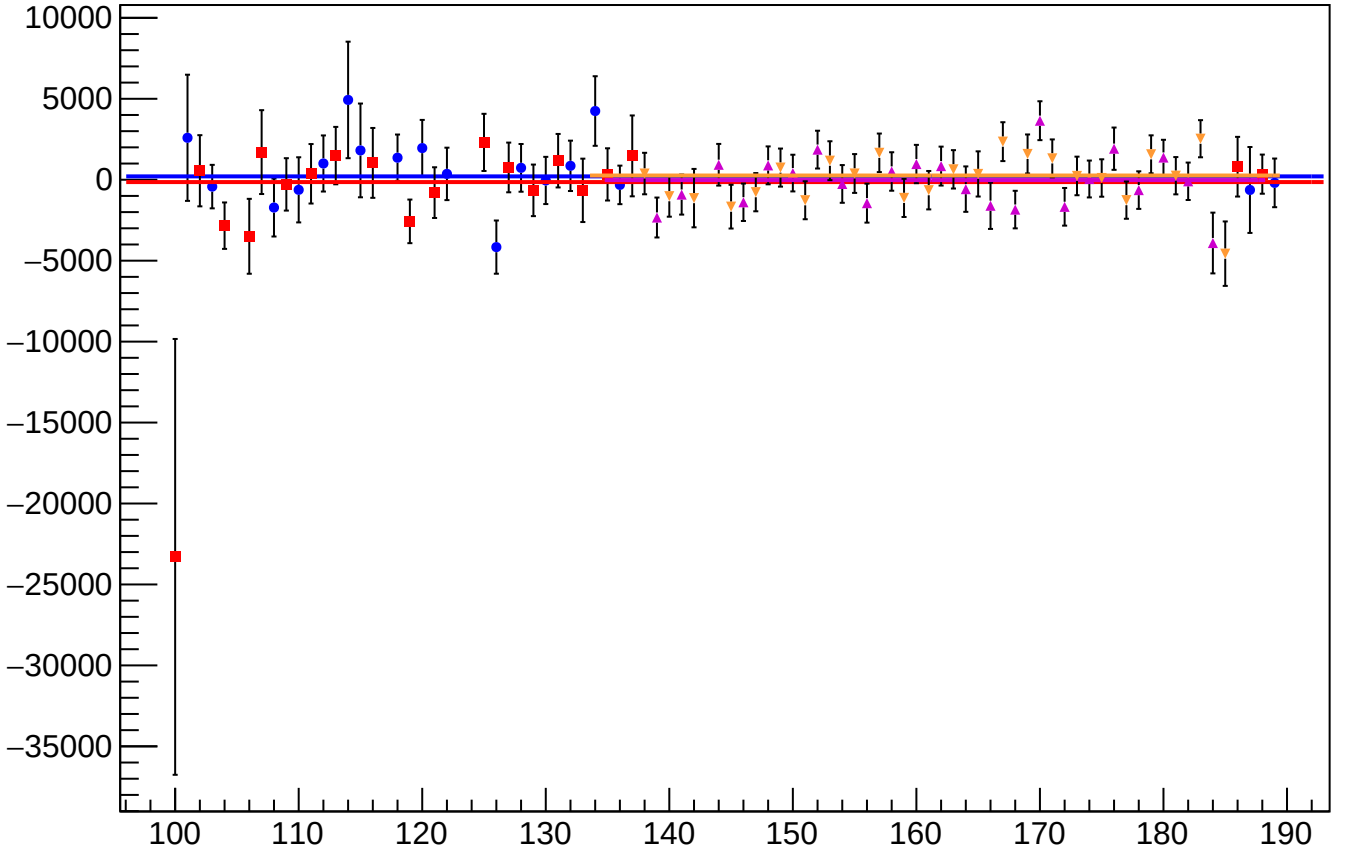
Left In: 0.000+/-0.000 χ^2/NDF:1954811.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 7844894.1/41

All: 0.000+/-0.000 χ^2/NDF: 15615770.0/84

- sign 0.000+/-0.000 χ^2/NDF: 7762307.0/42

reg_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 207.282+/-403.893 χ^2/NDF: 17.1/17

Left Out: 260.650+/-251.401 χ^2/NDF:28.2/23

Right Out: -144.612+/-392.408 χ^2/NDF: 17.9/19

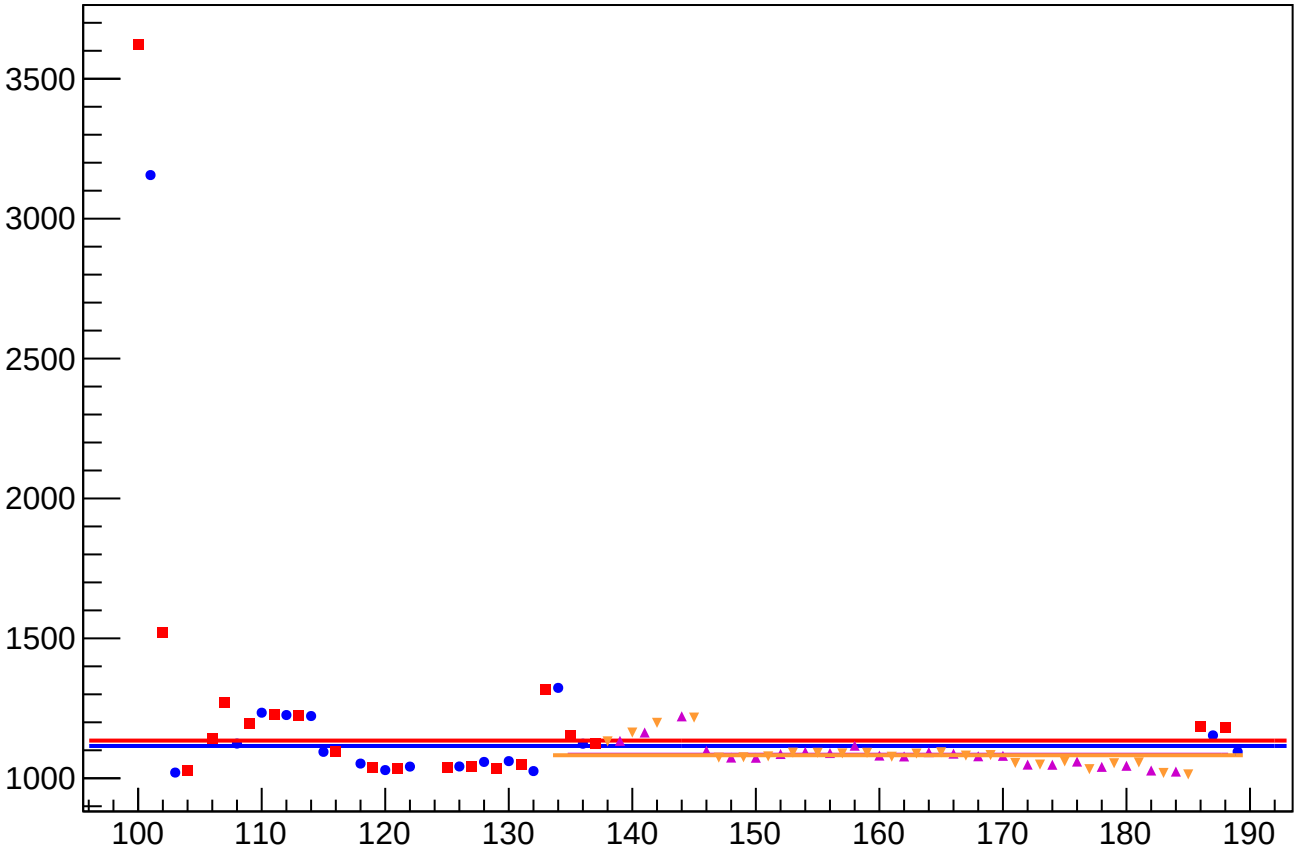
Left In: -22.368+/-253.332 χ^2/NDF:35.8/22

+ sign 245.747+/-213.432 χ^2/NDF: 45.4/41

All: 93.282+/-150.707 χ^2/NDF: 100.1/84

- sign -58.329+/-212.833 χ^2/NDF: 53.7/42

reg_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1115.405+/-0.286 χ^2/NDF: 624183.6/17

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

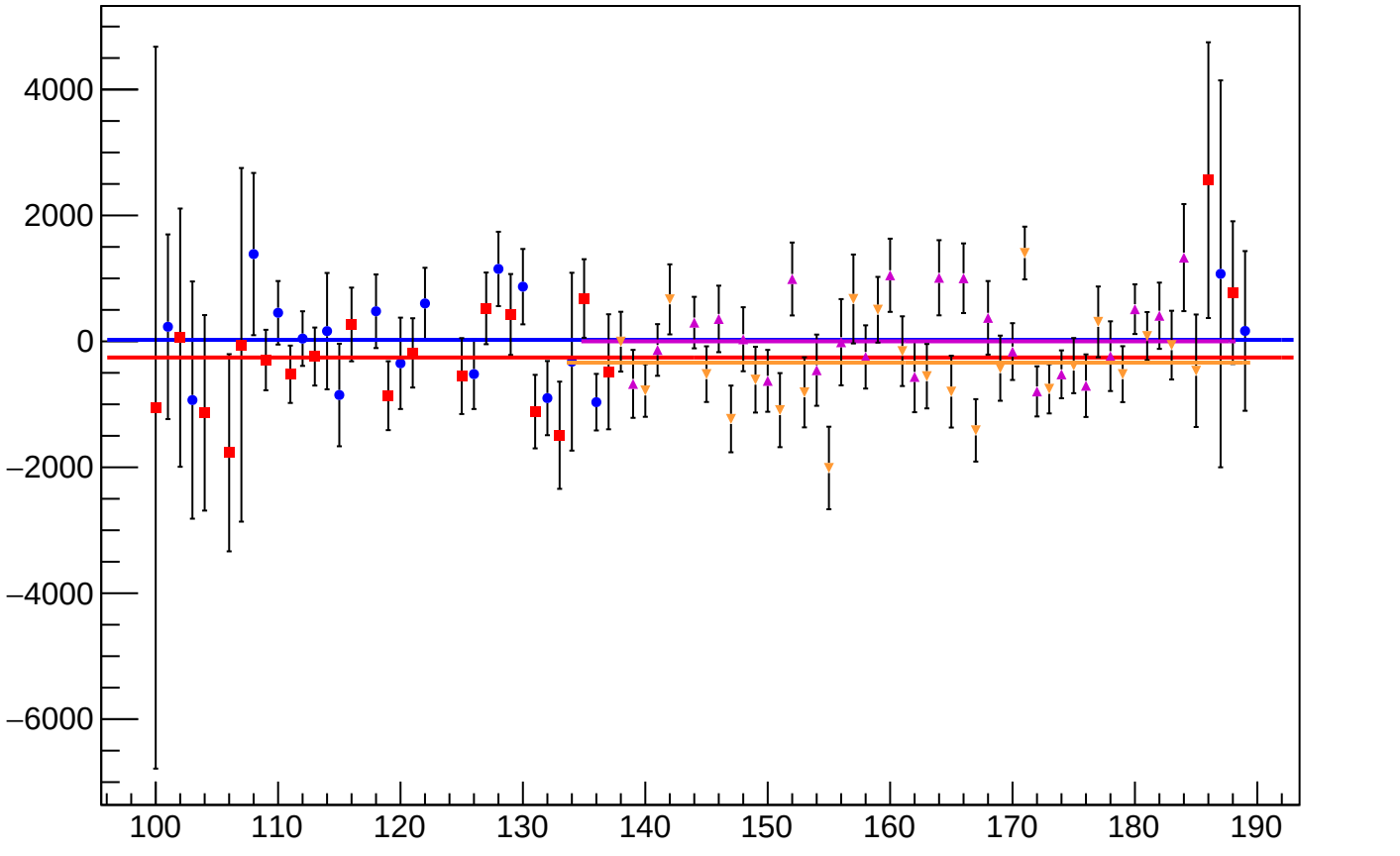
Right Out: 1134.679+/-0.277 χ^2/NDF: 227609.0/19

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1091.550+/-0.151 χ^2/NDF: 691736.5/41

All: 1095.298+/-0.107 χ^2/NDF: 997406.7/84

- sign 1099.026+/-0.150 χ^2/NDF: 304439.9/42



Right In: 23.654+/-159.733 χ^2/NDF: 19.3/17

Left Out: -337.727+/-102.601 χ^2/NDF:48.8/23

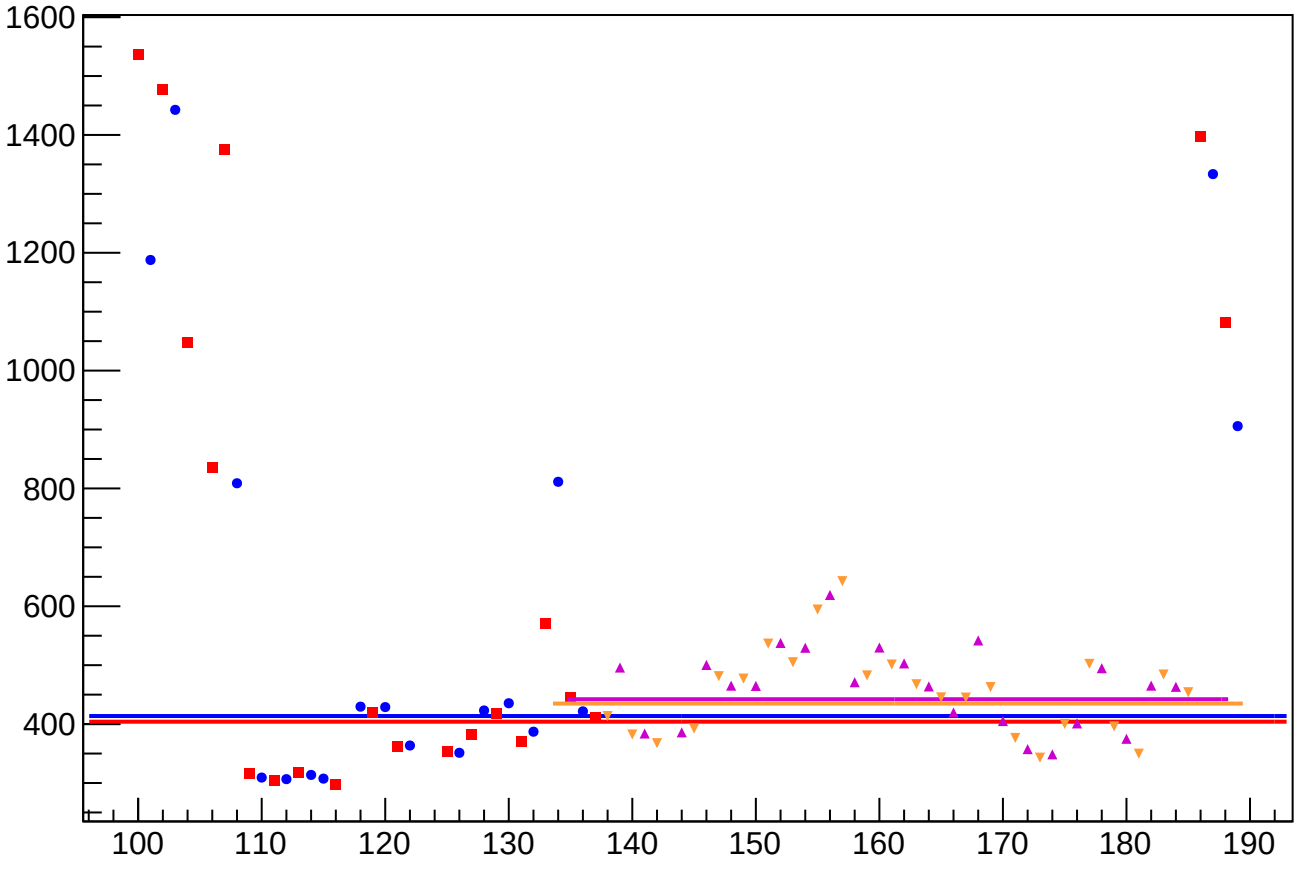
Right Out: -256.054+/-154.342 χ^2/NDF: 16.0/19

Left In: 0.547+/-104.733 χ^2/NDF:31.9/22

\+ sign -232.175+/-86.327 χ^2/NDF: 71.7/41

All: -156.562+/-61.161 χ^2/NDF: 123.0/84

\- sign -80.357+/-86.664 χ^2/NDF: 49.8/42



Right In: 413.682+/-0.113 χ^2/NDF: 2297291.4/17

Left Out: 434.858+/-0.073 χ^2/NDF:878416.4/23

Right Out: 404.062+/-0.109 χ^2/NDF: 2911121.3/19

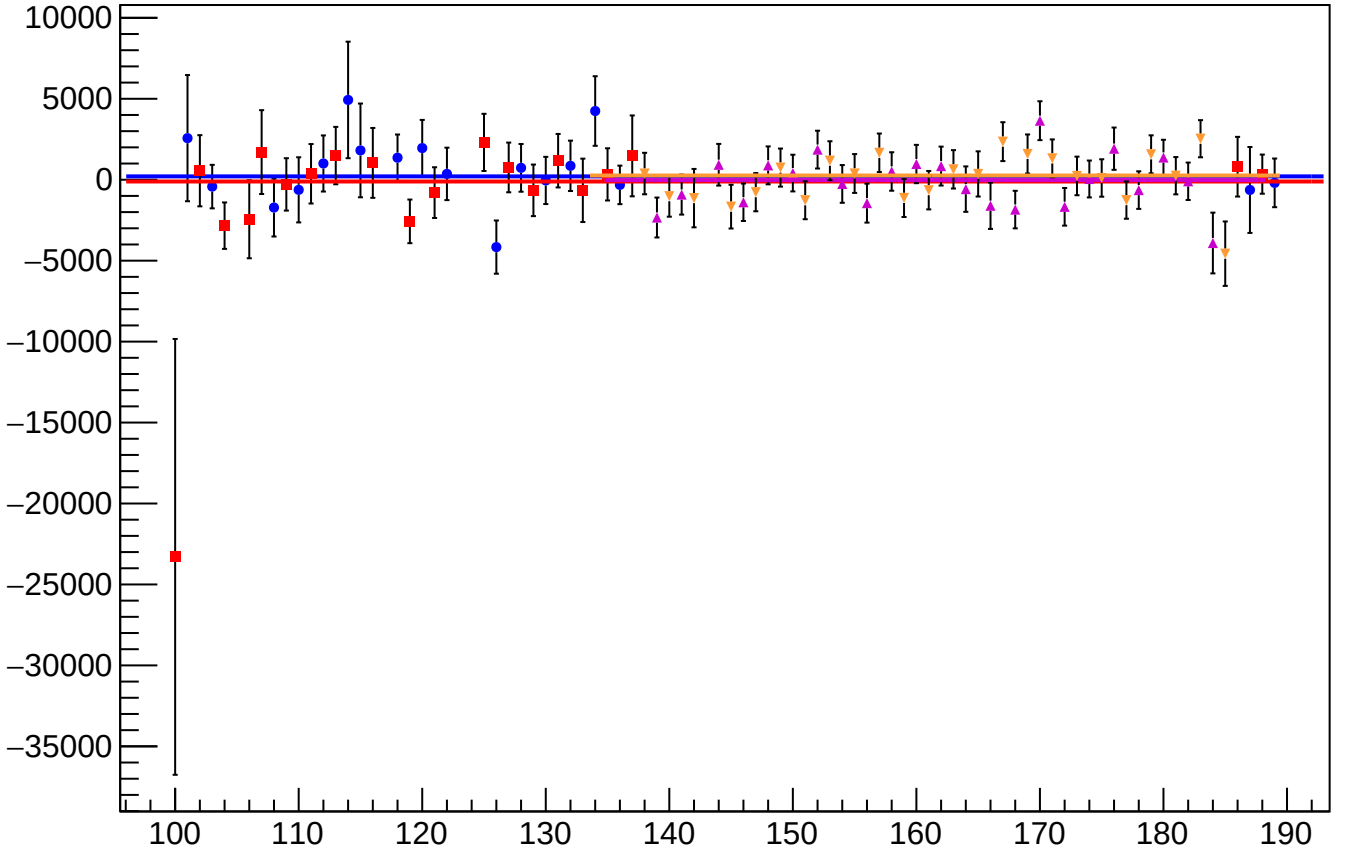
Left In: 442.209+/-0.074 χ^2/NDF:825972.2/22

\+ sign 428.673+/-0.061 χ^2/NDF: 3200592.9/41

All: 429.424+/-0.043 χ^2/NDF: 7021644.4/84

\- sign 430.181+/-0.061 χ^2/NDF: 3820747.5/42

cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 206.945+/-403.893 χ^2/NDF: 17.1/17

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: -109.177+/-392.843 χ^2/NDF: 16.7/19

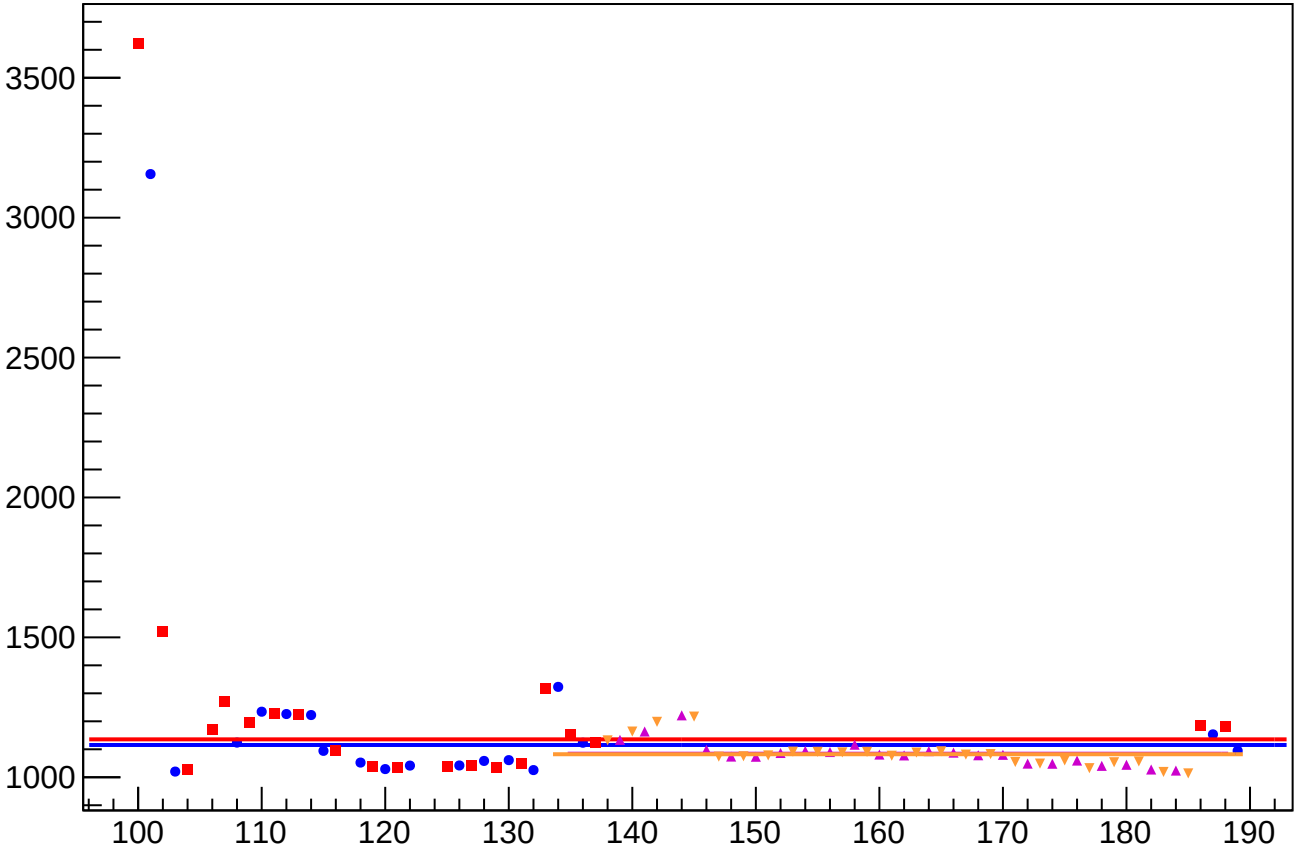
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 245.645+/-213.432 χ^2/NDF: 45.4/41

All: 98.527+/-150.732 χ^2/NDF: 98.8/84

- sign -47.861+/-212.902 χ^2/NDF: 52.5/42

cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1115.405+/-0.286 χ^2/NDF: 624184.6/17

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

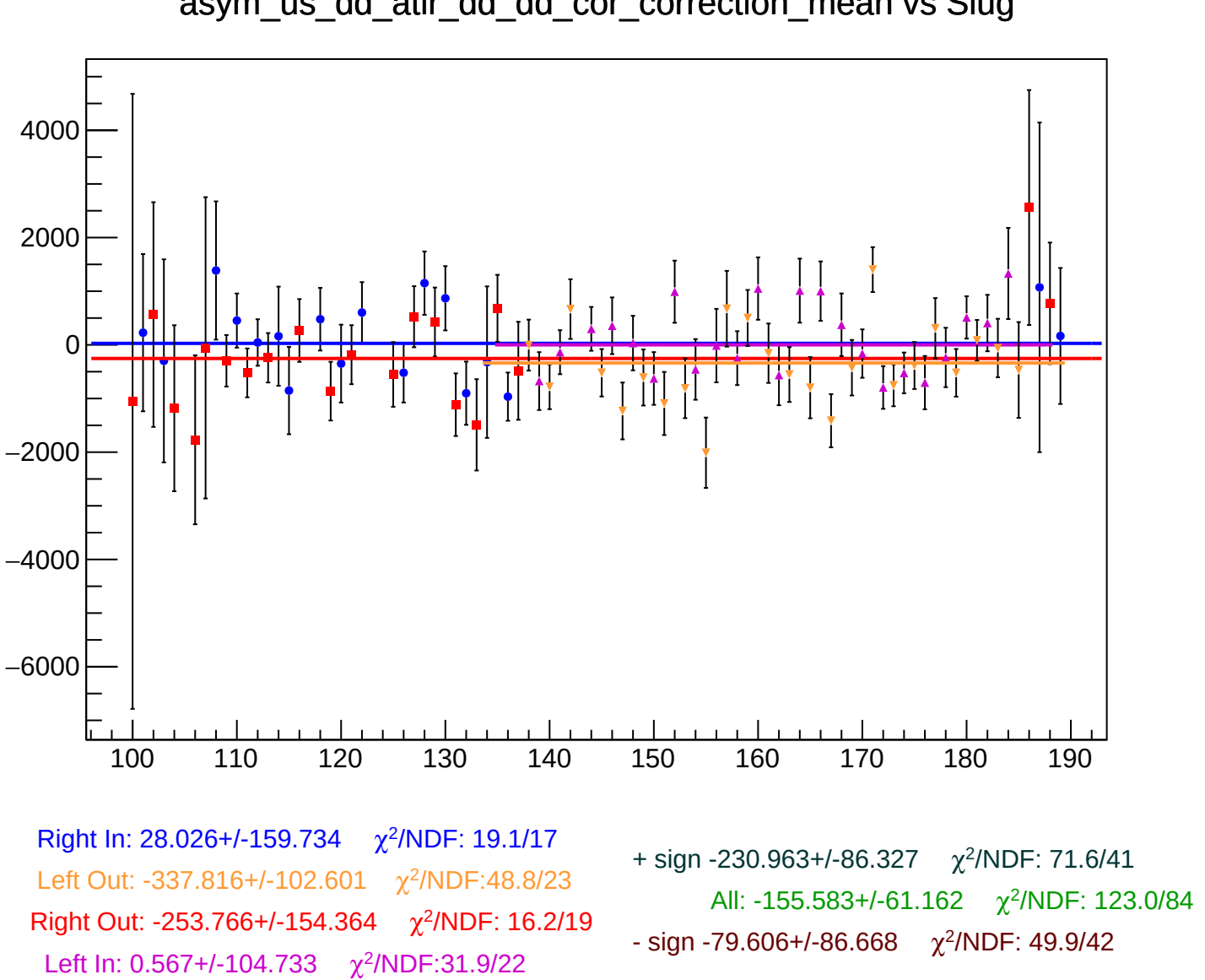
Right Out: 1135.501+/-0.278 χ^2/NDF: 228062.0/19

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

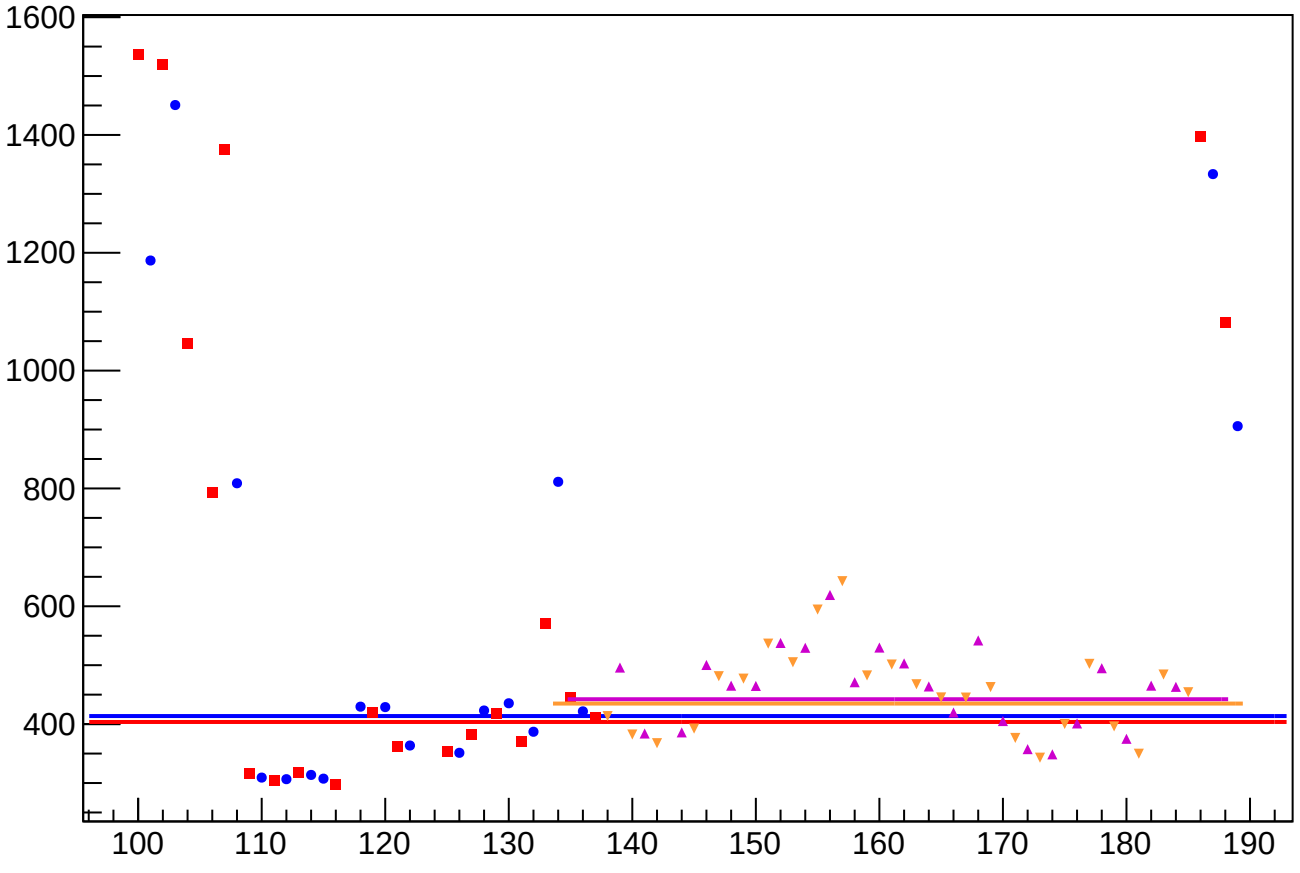
\+ sign 1091.550+/-0.151 χ^2/NDF: 691737.4/41

All: 1095.406+/-0.107 χ^2/NDF: 998662.0/84

\- sign 1099.244+/-0.151 χ^2/NDF: 305621.9/42


asym_us_dd_atlr_dd_dd_cor_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
180
190
Right In: 28.026+/-159.734 χ²/NDF: 19.1/17
Left Out: -337.816+/-102.601 χ²/NDF:48.8/23
Right Out: -253.766+/-154.364 χ²/NDF: 16.2/19
Left In: 0.567+/-104.733 χ²/NDF:31.9/22
+ sign -230.963+/-86.327 χ²/NDF: 71.6/41
All: -155.583+/-61.162 χ²/NDF: 123.0/84
- sign -79.606+/-86.668 χ²/NDF: 49.9/42

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug



Right In: 413.670+/-0.113 χ^2/NDF: 2300985.7/17

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 403.613+/-0.109 χ^2/NDF: 2900513.1/19

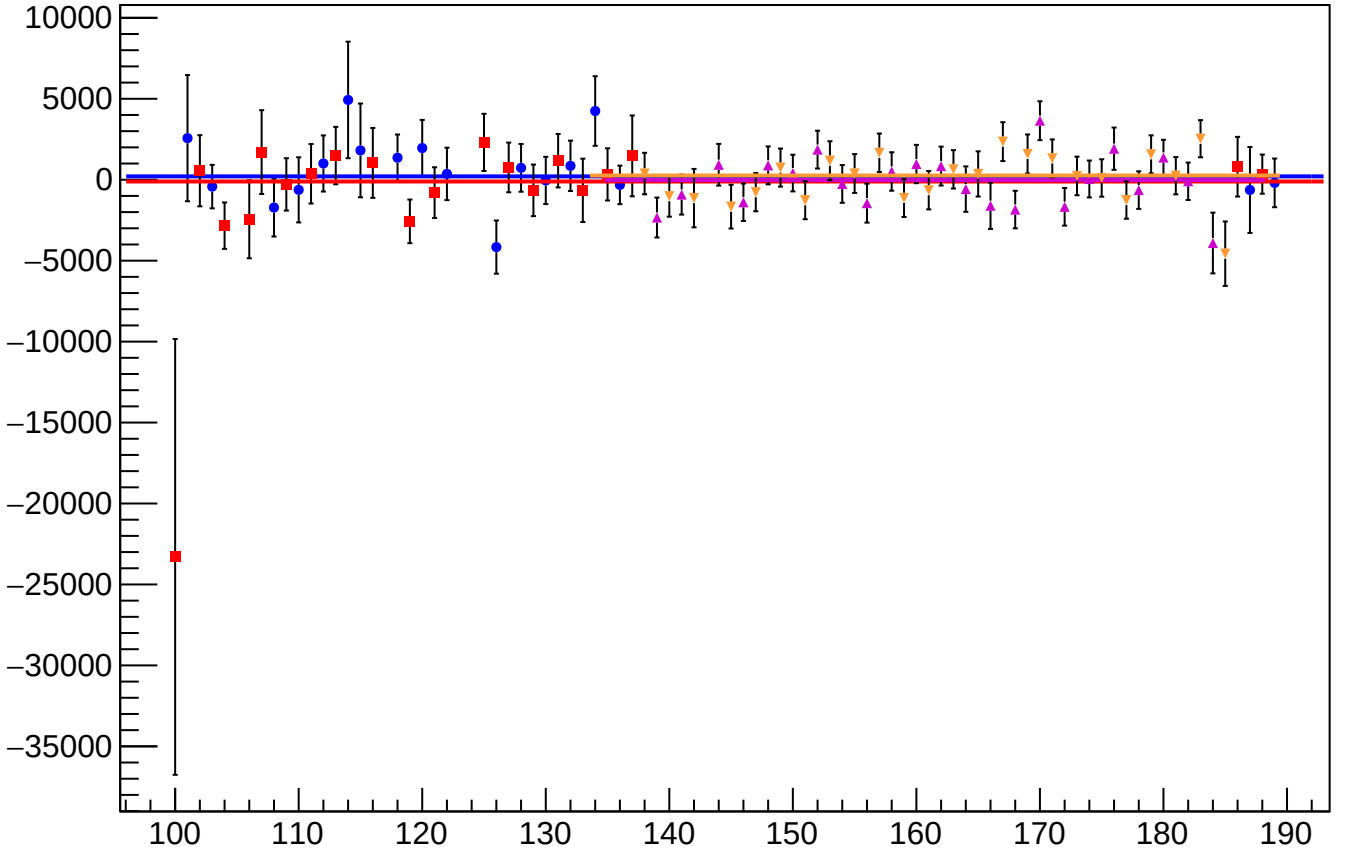
Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

+ sign 428.668+/-0.061 χ^2/NDF: 3204399.1/41

All: 429.353+/-0.043 χ^2/NDF: 7016629.3/84

- sign 430.043+/-0.061 χ^2/NDF: 3811977.5/42

eigen_cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 206.945+/-403.893 χ^2/NDF: 17.1/17

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: -109.177+/-392.843 χ^2/NDF: 16.7/19

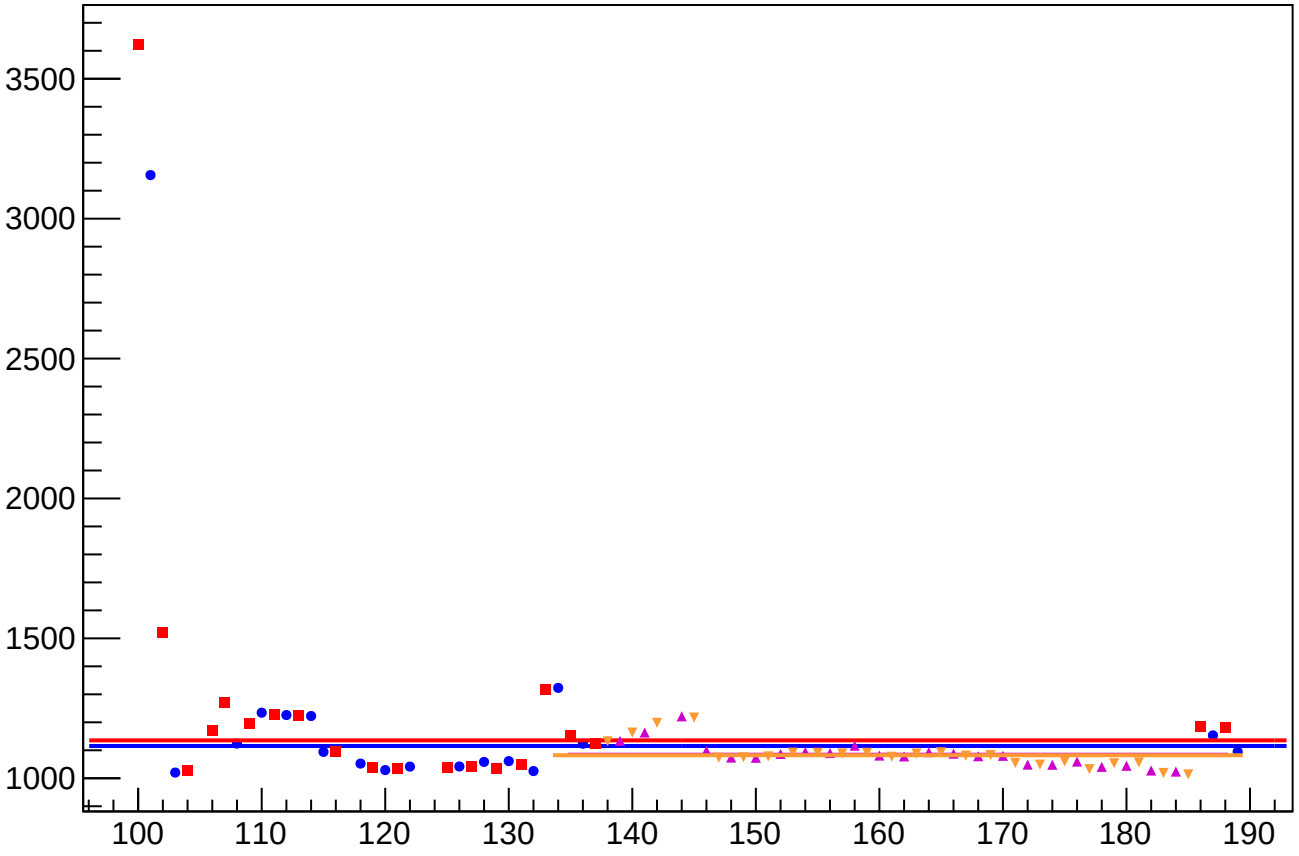
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 245.645+/-213.432 χ^2/NDF: 45.4/41

All: 98.527+/-150.732 χ^2/NDF: 98.8/84

- sign -47.861+/-212.902 χ^2/NDF: 52.5/42

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1115.405+/-0.286 χ^2/NDF: 624184.6/17

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

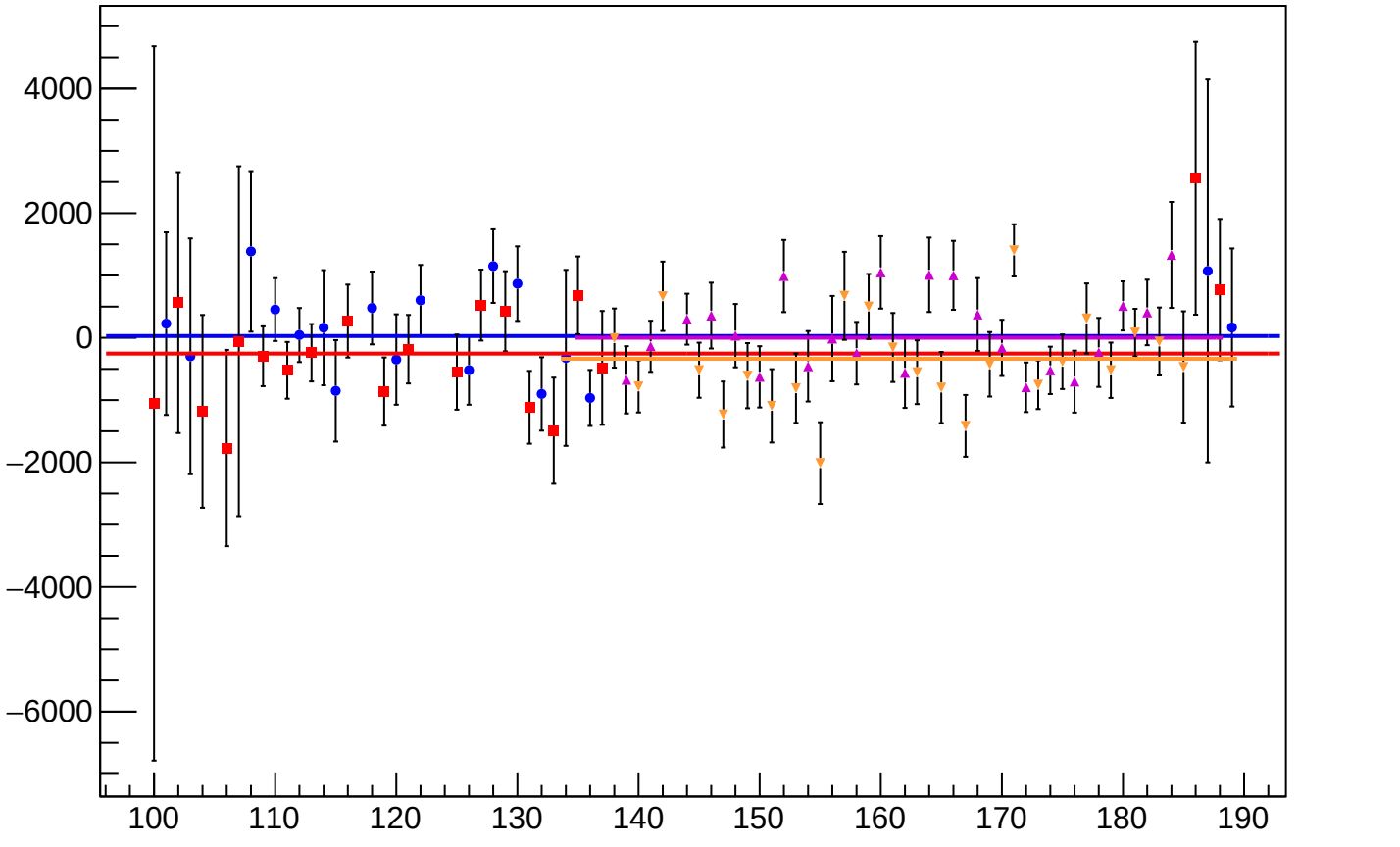
Right Out: 1135.501+/-0.278 χ^2/NDF: 228062.0/19

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1091.550+/-0.151 χ^2/NDF: 691737.4/41

All: 1095.406+/-0.107 χ^2/NDF: 998662.0/84

- sign 1099.244+/-0.151 χ^2/NDF: 305621.9/42



Right In: 28.026+/-159.734 χ^2/NDF: 19.1/17

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

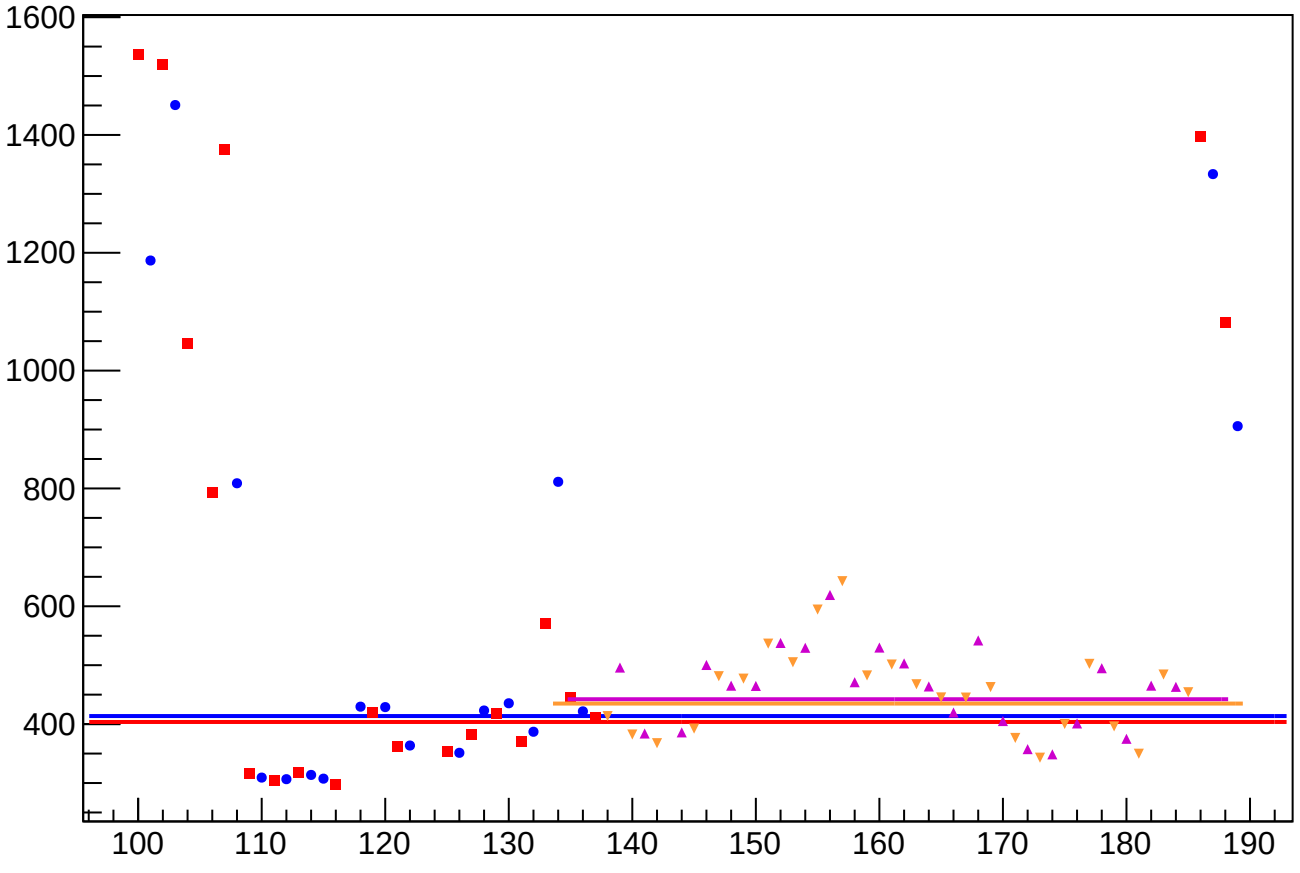
Right Out: -253.766+/-154.364 χ^2/NDF: 16.2/19

Left In: 0.567+/-104.733 χ^2/NDF:31.9/22

\+ sign -230.963+/-86.327 χ^2/NDF: 71.6/41

All: -155.583+/-61.162 χ^2/NDF: 123.0/84

\- sign -79.606+/-86.668 χ^2/NDF: 49.9/42



Right In: 413.670+/-0.113 χ^2/NDF: 2300985.7/17

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 403.613+/-0.109 χ^2/NDF: 2900513.1/19

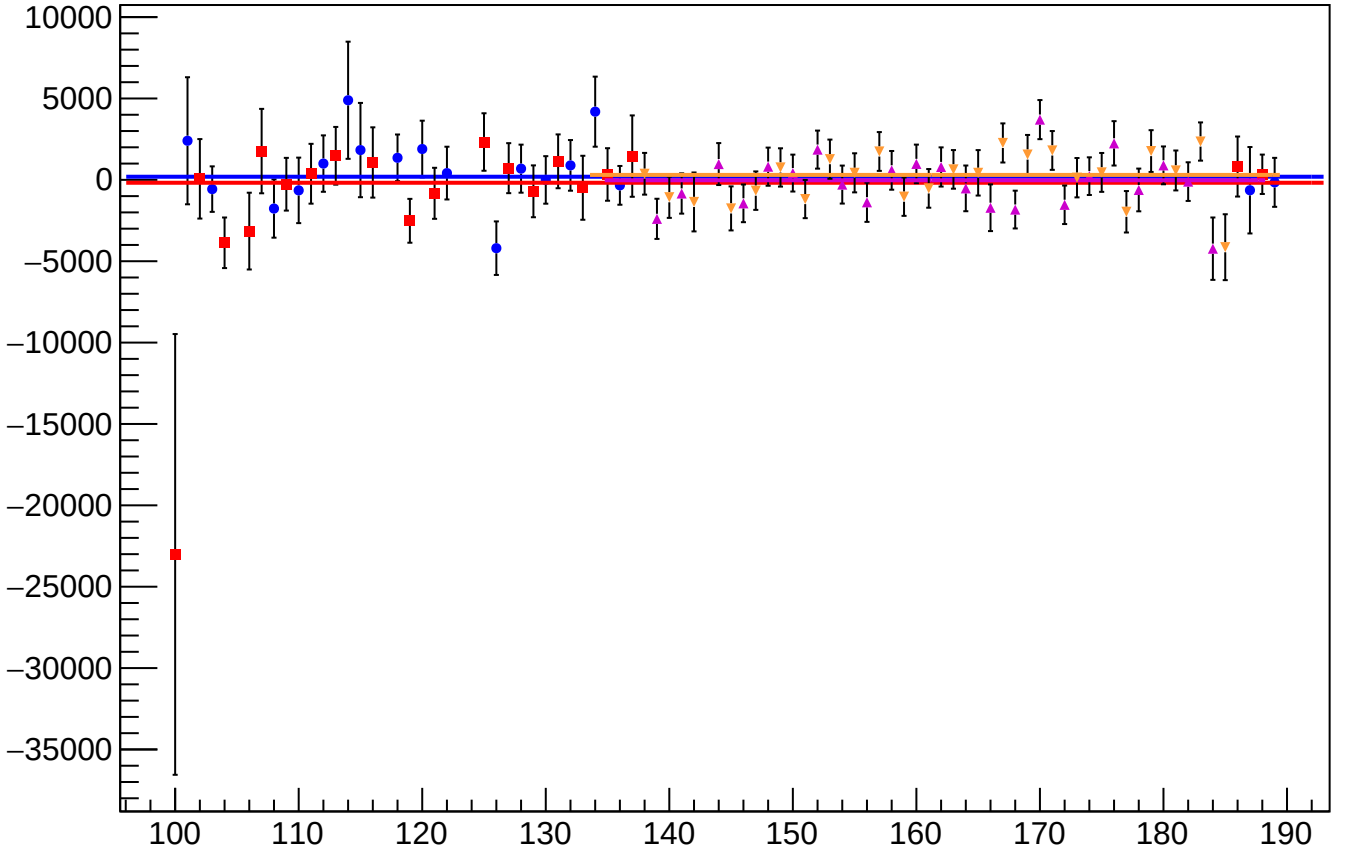
Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

\+ sign 428.668+/-0.061 χ^2/NDF: 3204399.1/41

All: 429.353+/-0.043 χ^2/NDF: 7016629.3/84

\- sign 430.043+/-0.061 χ^2/NDF: 3811977.5/42

dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 191.691+/-405.597 χ^2/NDF: 17.1/17

Left Out: 303.404+/-255.556 χ^2/NDF:28.5/23

Right Out: -178.524+/-396.333 χ^2/NDF: 19.2/19

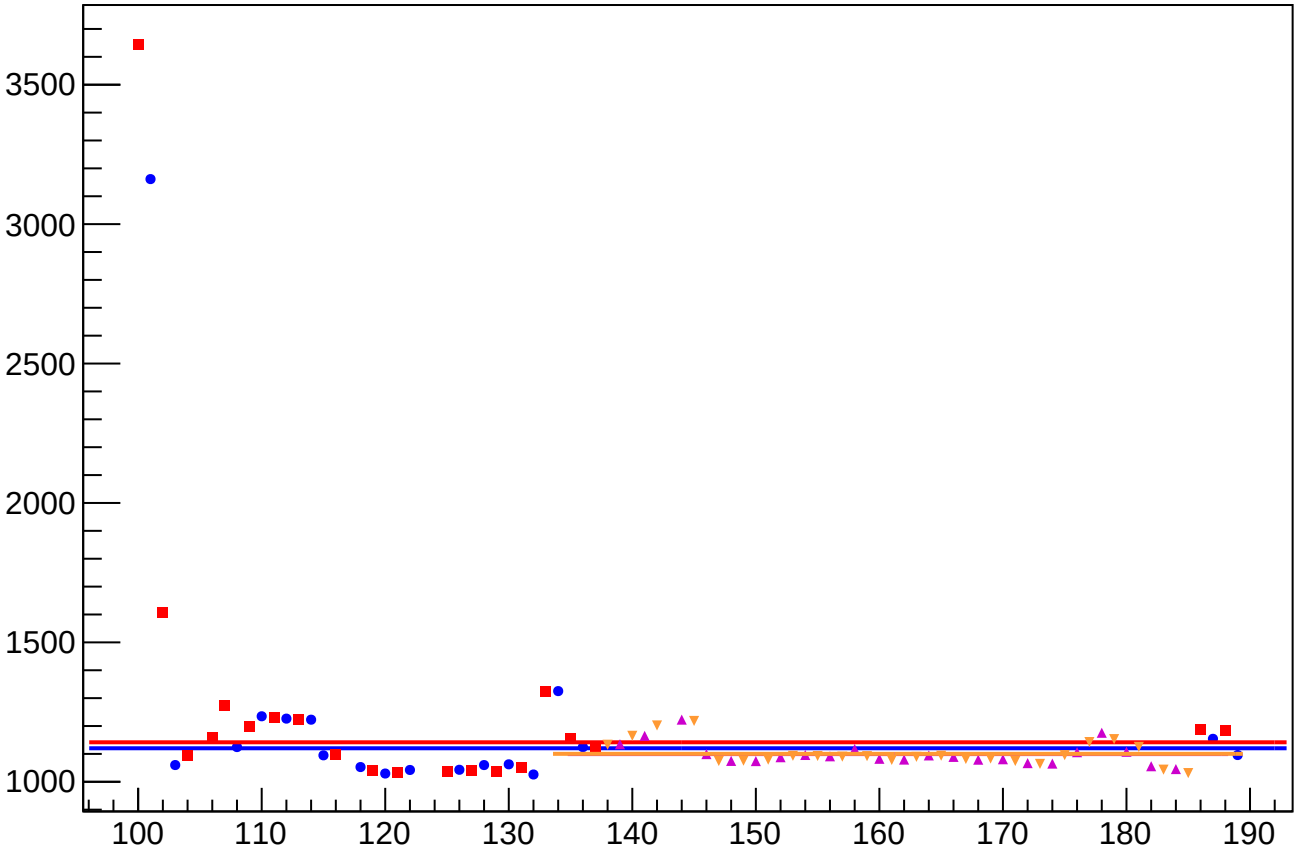
Left In: -25.319+/-256.866 χ^2/NDF:35.9/22

+ sign 271.657+/-216.217 χ^2/NDF: 45.7/41

All: 99.985+/-152.653 χ^2/NDF: 102.1/84

- sign -70.636+/-215.554 χ^2/NDF: 55.2/42

dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1120.215+/-0.287 χ^2/NDF: 617887.8/17

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.1/23

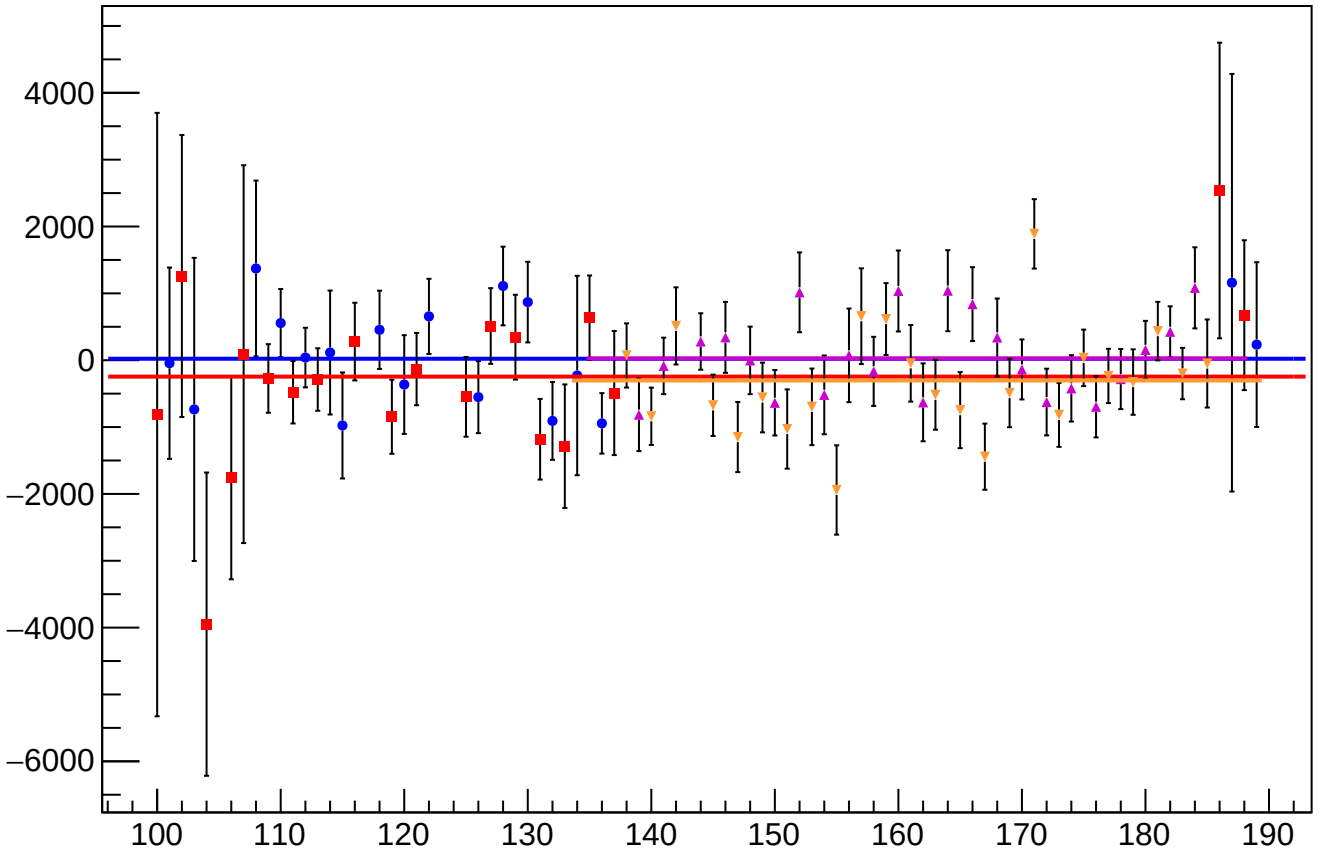
Right Out: 1141.651+/-0.280 χ^2/NDF: 231648.7/19

Left In: 1099.342+/-0.182 χ^2/NDF:44785.6/22

\+ sign 1105.929+/-0.153 χ^2/NDF: 670127.9/41

All: 1108.902+/-0.108 χ^2/NDF: 963366.0/84

\- sign 1111.857+/-0.152 χ^2/NDF: 292484.2/42



Right In: 21.995+/-160.256 χ^2/NDF: 19.8/17

Left Out: -303.217+/-102.979 χ^2/NDF:49.5/23

Right Out: -245.430+/-156.860 χ^2/NDF: 17.4/19

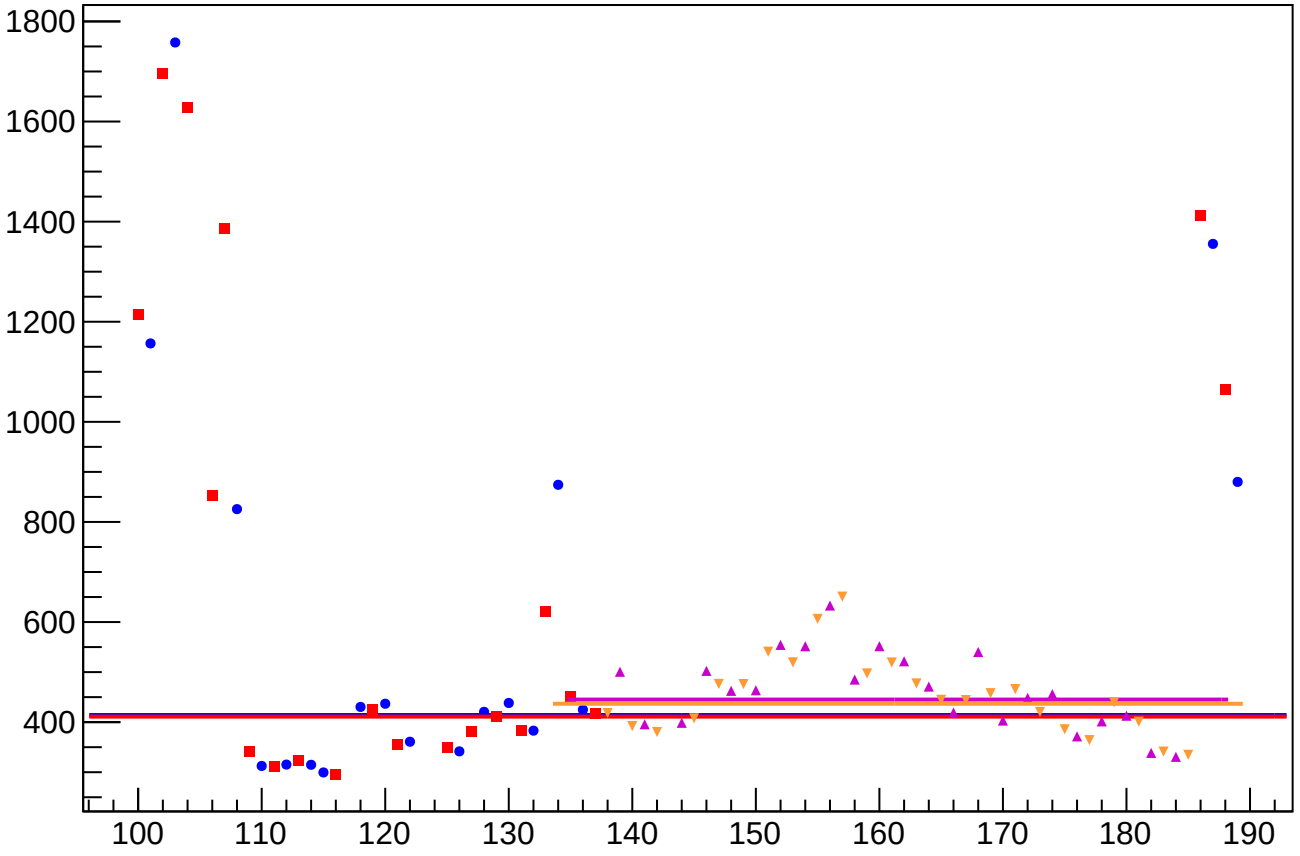
Left In: 26.740+/-105.420 χ^2/NDF:27.9/22

\+ sign -208.174+/-86.634 χ^2/NDF: 72.2/41

All: -133.802+/-61.562 χ^2/NDF: 121.0/84

\- sign -57.943+/-87.496 χ^2/NDF: 47.3/42

asym_us_dd_atlr_dd_dd_dit_correction_rms vs Slug



Right In: 414.217+/-0.113 χ^2/NDF: 2405481.0/17

Left Out: 436.787+/-0.073 χ^2/NDF:855206.3/23

Right Out: 411.088+/-0.111 χ^2/NDF: 3317464.1/19

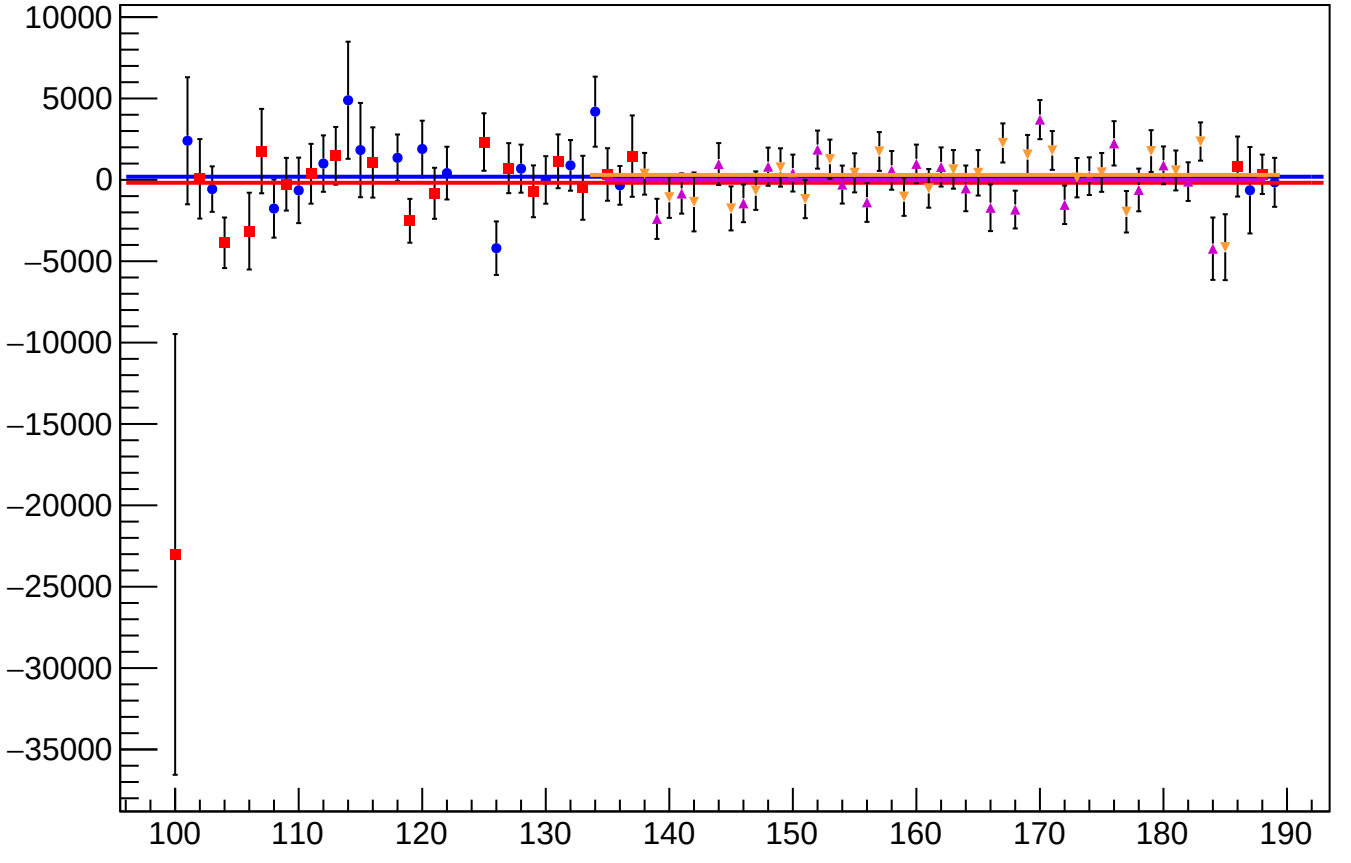
Left In: 445.109+/-0.075 χ^2/NDF:874534.9/22

+ sign 430.191+/-0.061 χ^2/NDF: 3288765.0/41

All: 432.336+/-0.044 χ^2/NDF: 7548048.7/84

- sign 434.524+/-0.062 χ^2/NDF: 4256807.3/42

eigen_dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 191.692+/-405.597 χ^2/NDF: 17.1/17

Left Out: 303.402+/-255.556 χ^2/NDF:28.5/23

Right Out: -178.525+/-396.333 χ^2/NDF: 19.2/19

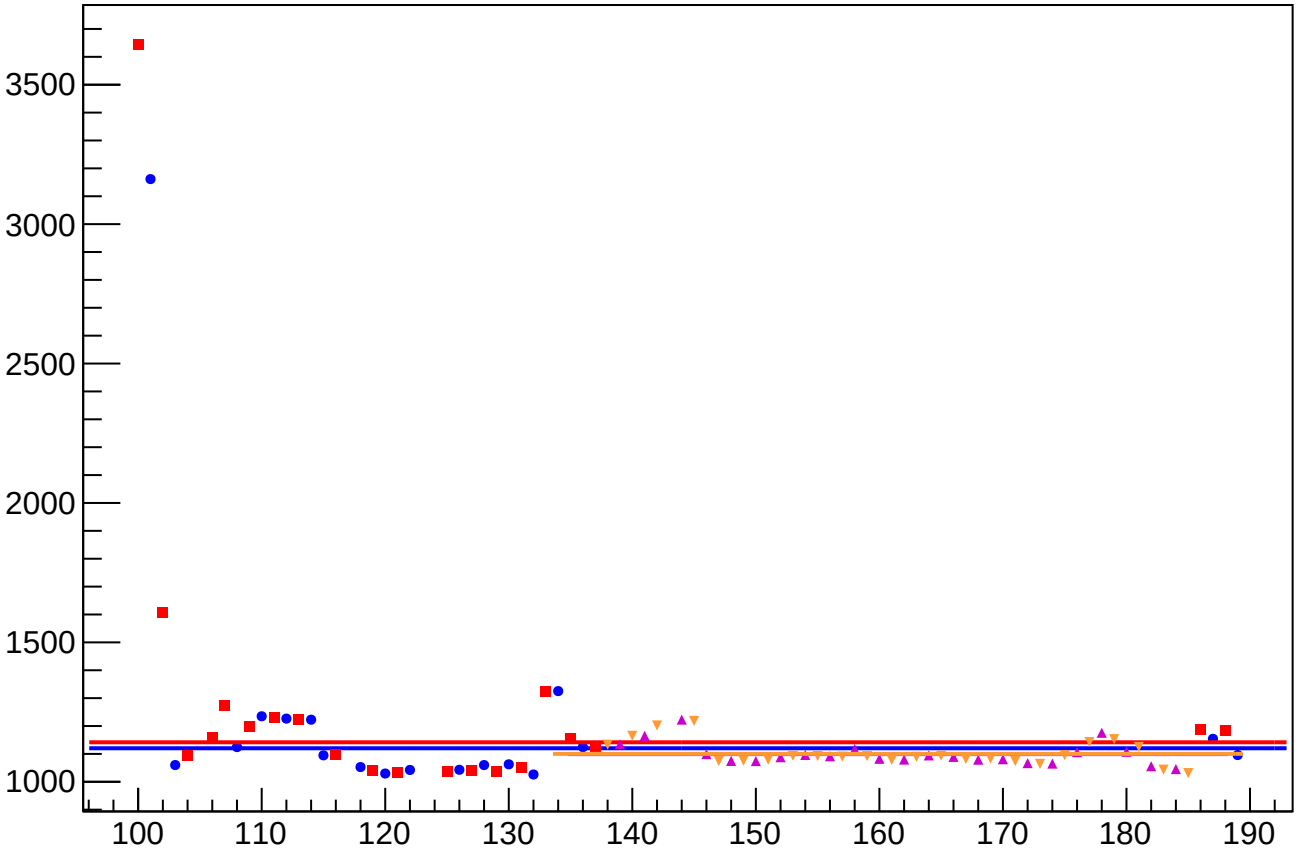
Left In: -25.320+/-256.866 χ^2/NDF:35.9/22

+ sign 271.656+/-216.217 χ^2/NDF: 45.7/41

All: 99.984+/-152.653 χ^2/NDF: 102.1/84

- sign -70.637+/-215.554 χ^2/NDF: 55.2/42

eigen_dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1120.215+/-0.287 χ^2/NDF: 617887.8/17

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.3/23

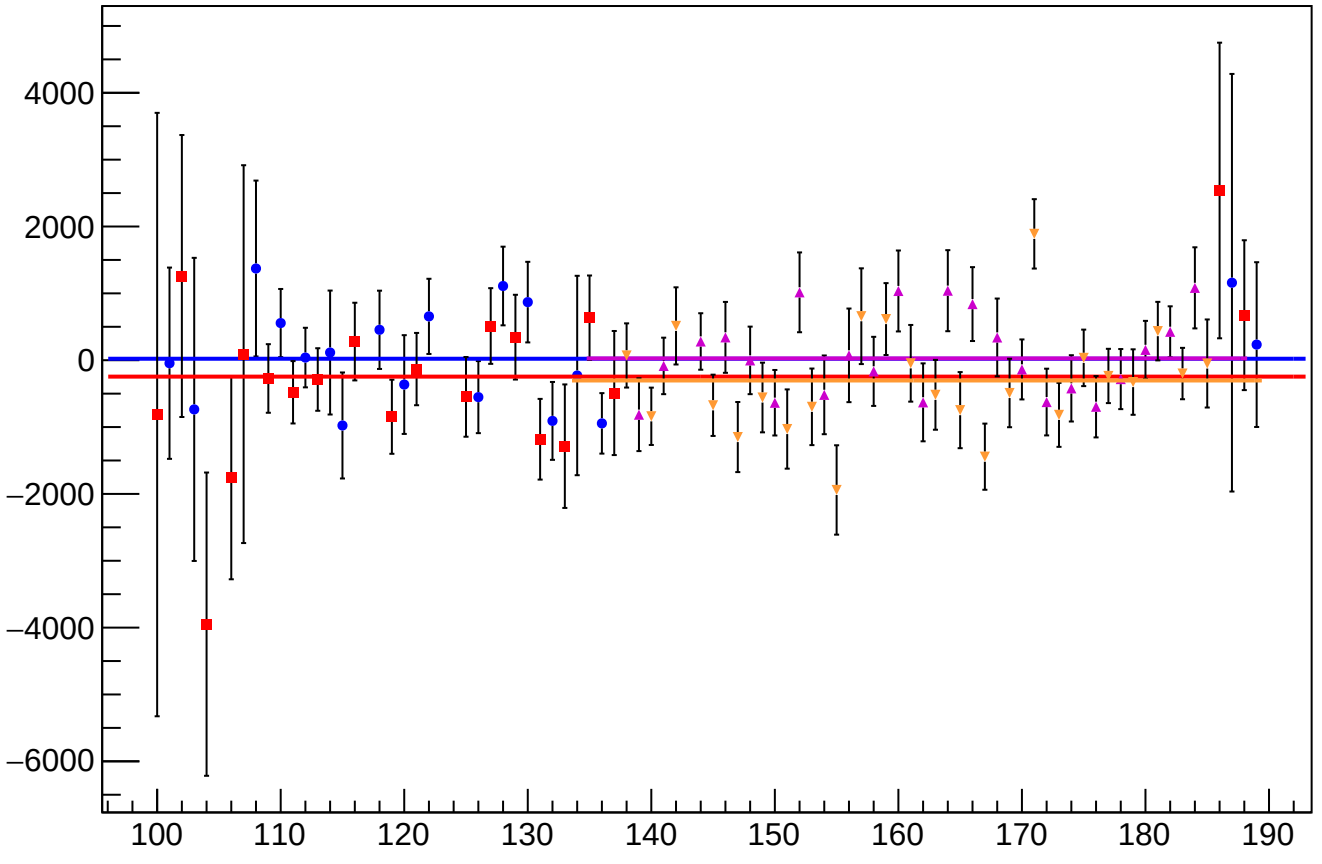
Right Out: 1141.651+/-0.280 χ^2/NDF: 231648.8/19

Left In: 1099.342+/-0.182 χ^2/NDF:44785.7/22

+ sign 1105.929+/-0.153 χ^2/NDF: 670128.2/41

All: 1108.902+/-0.108 χ^2/NDF: 963366.4/84

- sign 1111.857+/-0.152 χ^2/NDF: 292484.4/42



Right In: 21.991+/-160.255 χ^2/NDF: 19.8/17

Left Out: -303.218+/-102.979 χ^2/NDF:49.5/23

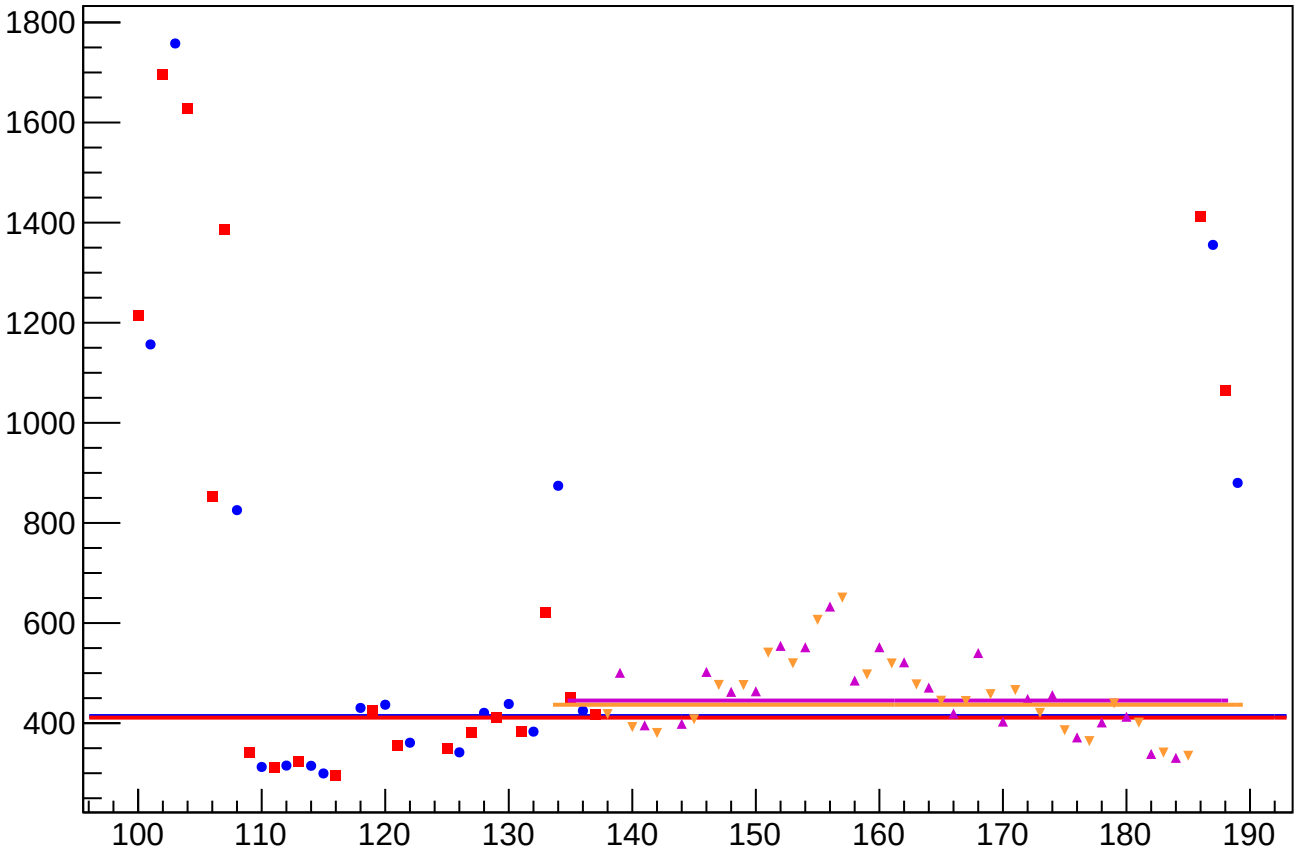
Right Out: -245.427+/-156.859 χ^2/NDF: 17.4/19

Left In: 26.739+/-105.420 χ^2/NDF:27.9/22

+ sign -208.175+/-86.634 χ^2/NDF: 72.2/41

All: -133.803+/-61.562 χ^2/NDF: 121.0/84

- sign -57.943+/-87.496 χ^2/NDF: 47.3/42



Right In: 414.213+/-0.113 χ^2/NDF: 2405479.0/17

Left Out: 436.787+/-0.073 χ^2/NDF:855236.5/23

Right Out: 411.084+/-0.111 χ^2/NDF: 3317472.7/19

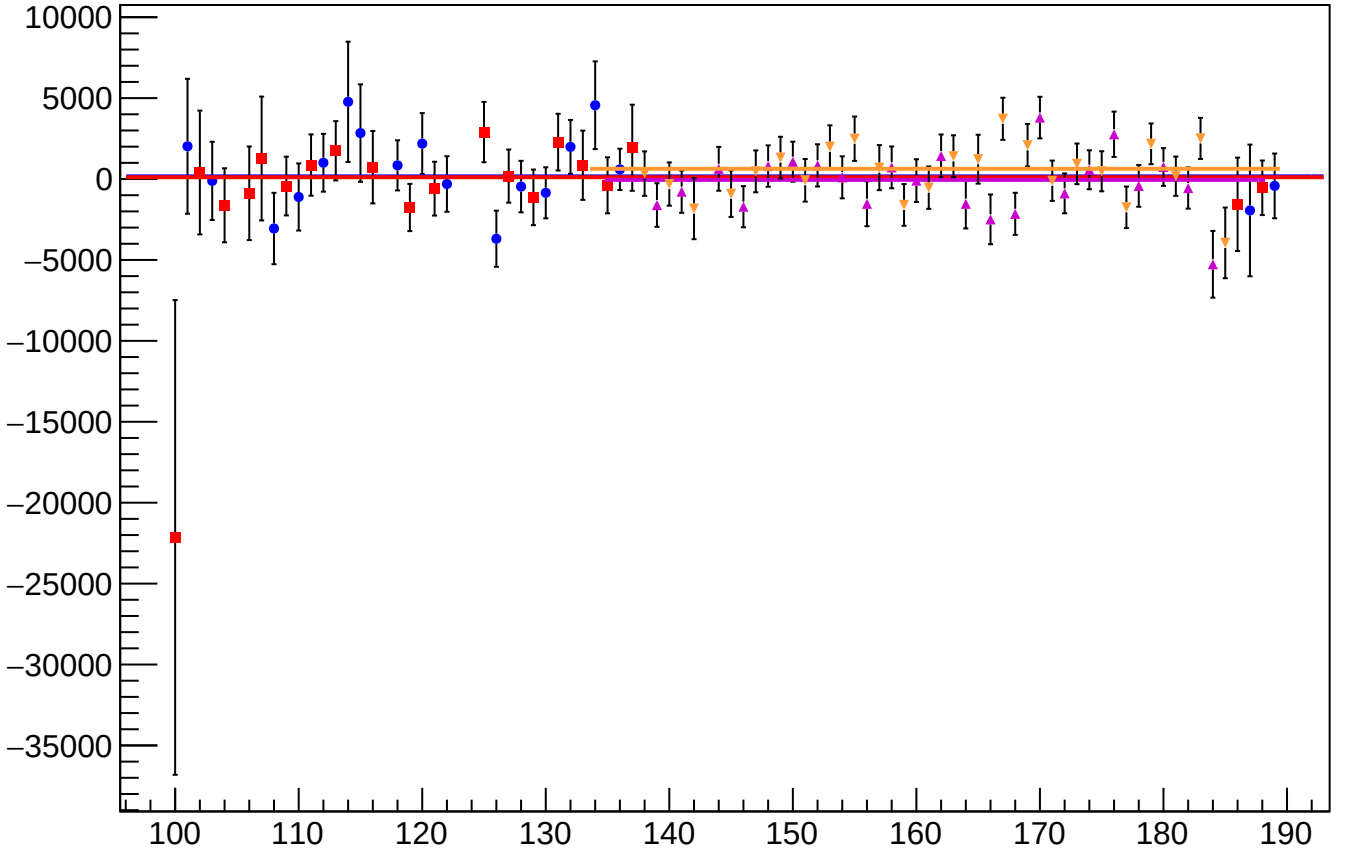
Left In: 445.108+/-0.075 χ^2/NDF:874568.8/22

+ sign 430.190+/-0.061 χ^2/NDF: 3288800.3/41

All: 432.334+/-0.044 χ^2/NDF: 7548138.0/84

- sign 434.522+/-0.062 χ^2/NDF: 4256861.6/42

asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 163.067+/-458.795 χ^2/NDF: 16.5/17

Left Out: 632.875+/-274.060 χ^2/NDF:30.1/23

Right Out: 111.309+/-453.963 χ^2/NDF: 11.5/19

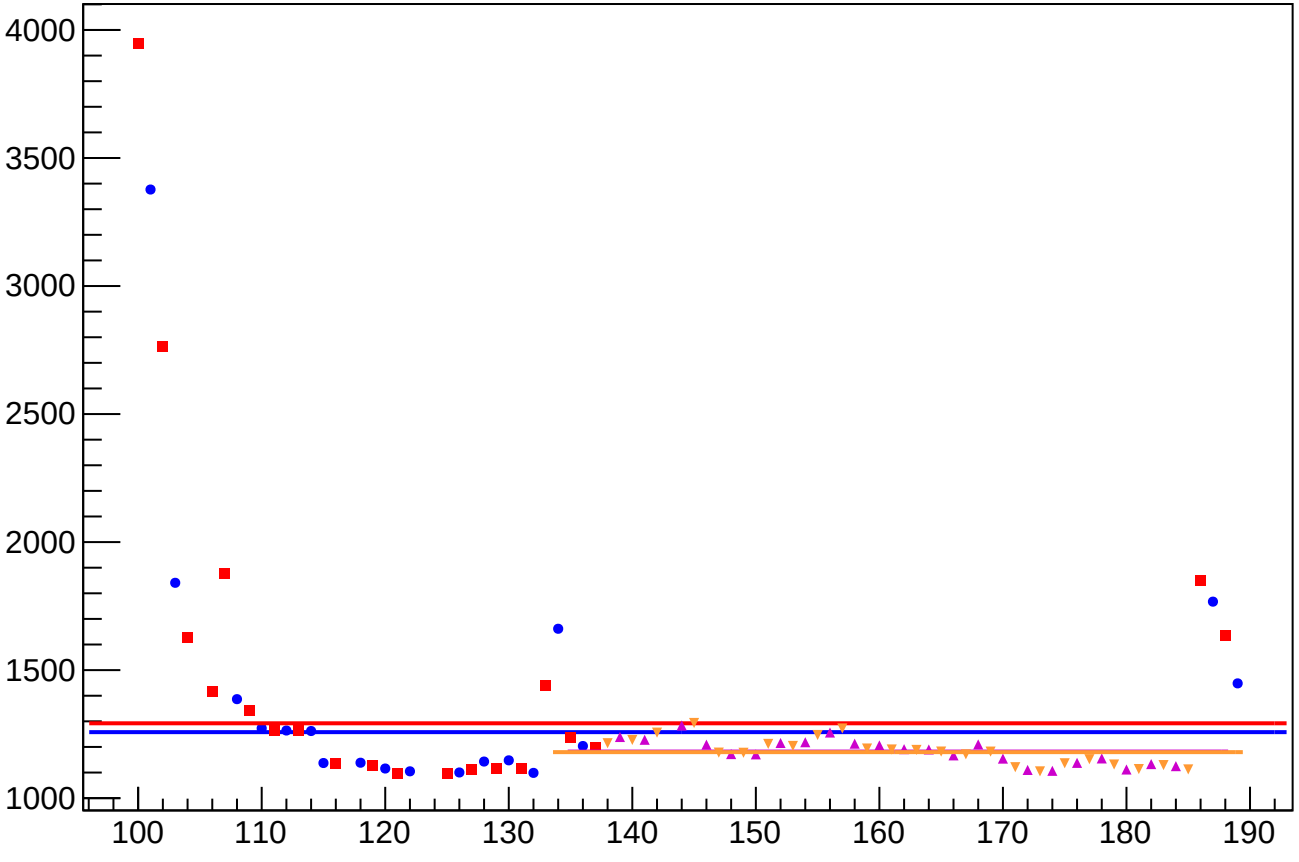
Left In: -50.835+/-276.213 χ^2/NDF:35.0/22

+ sign 509.322+/-235.280 χ^2/NDF: 47.4/41

All: 251.900+/-166.610 χ^2/NDF: 96.4/84

- sign -7.026+/-235.966 χ^2/NDF: 46.6/42

asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1257.797+/-0.324 χ^2/NDF: 834979.1/17

Left Out: 1179.713+/-0.194 χ^2/NDF:64667.7/23

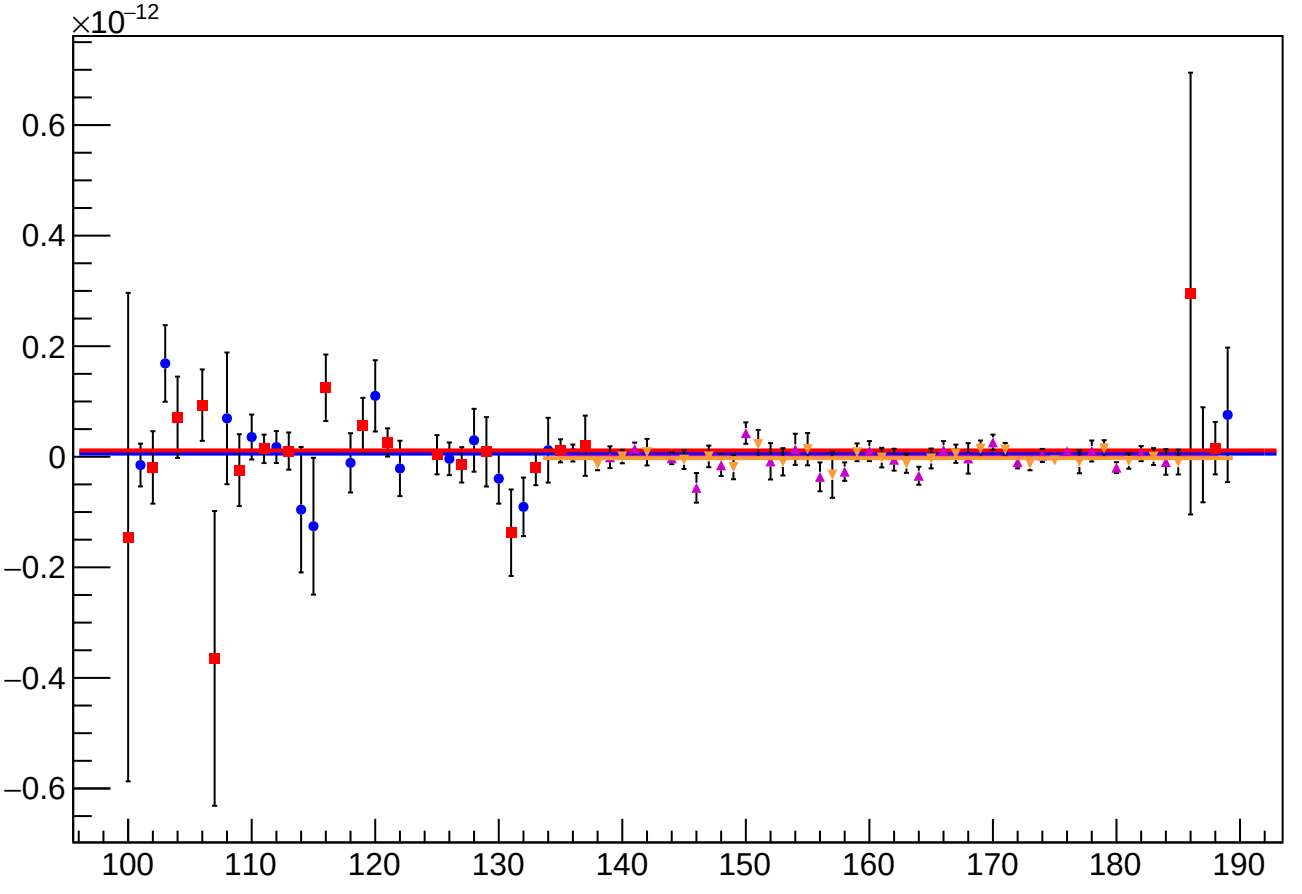
Right Out: 1292.349+/-0.321 χ^2/NDF: 780171.9/19

Left In: 1181.929+/-0.195 χ^2/NDF:60355.9/22

+ sign 1200.248+/-0.166 χ^2/NDF: 942343.5/41

All: 1205.989+/-0.118 χ^2/NDF: 1871618.0/84

- sign 1211.763+/-0.167 χ^2/NDF: 926886.3/42



Right In: 0.000+/-0.000 χ^2/NDF: 16.7/17

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/23

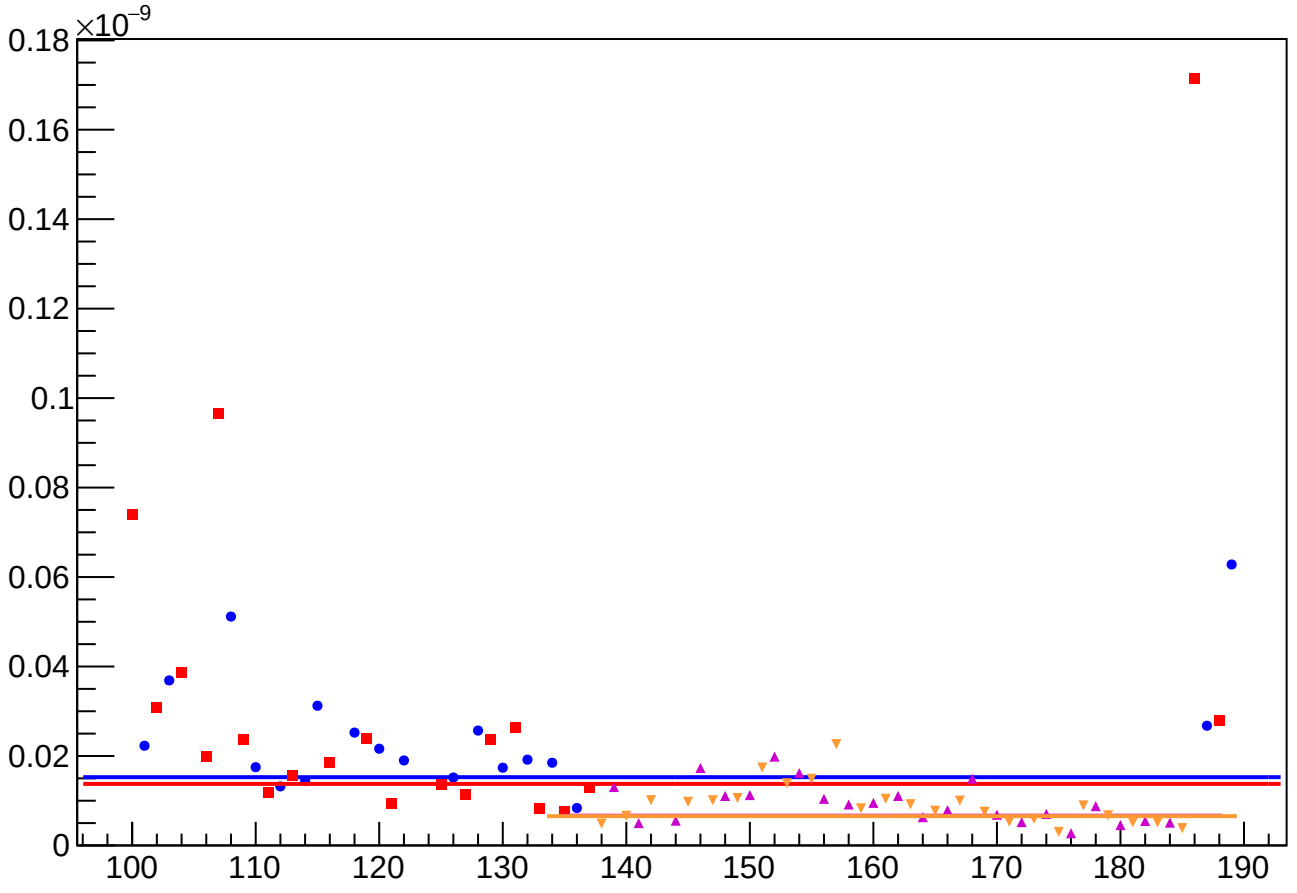
Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/19

Left In: -0.000+/-0.000 χ^2/NDF:32.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 27.9/41

All: -0.000+/-0.000 χ^2/NDF: 77.8/84

- sign 0.000+/-0.000 χ^2/NDF: 49.5/42



Right In: 0.000+/-0.000 χ^2/NDF: 1426964.5/17

Left Out: 0.000+/-0.000 χ^2/NDF:2332749.6/23

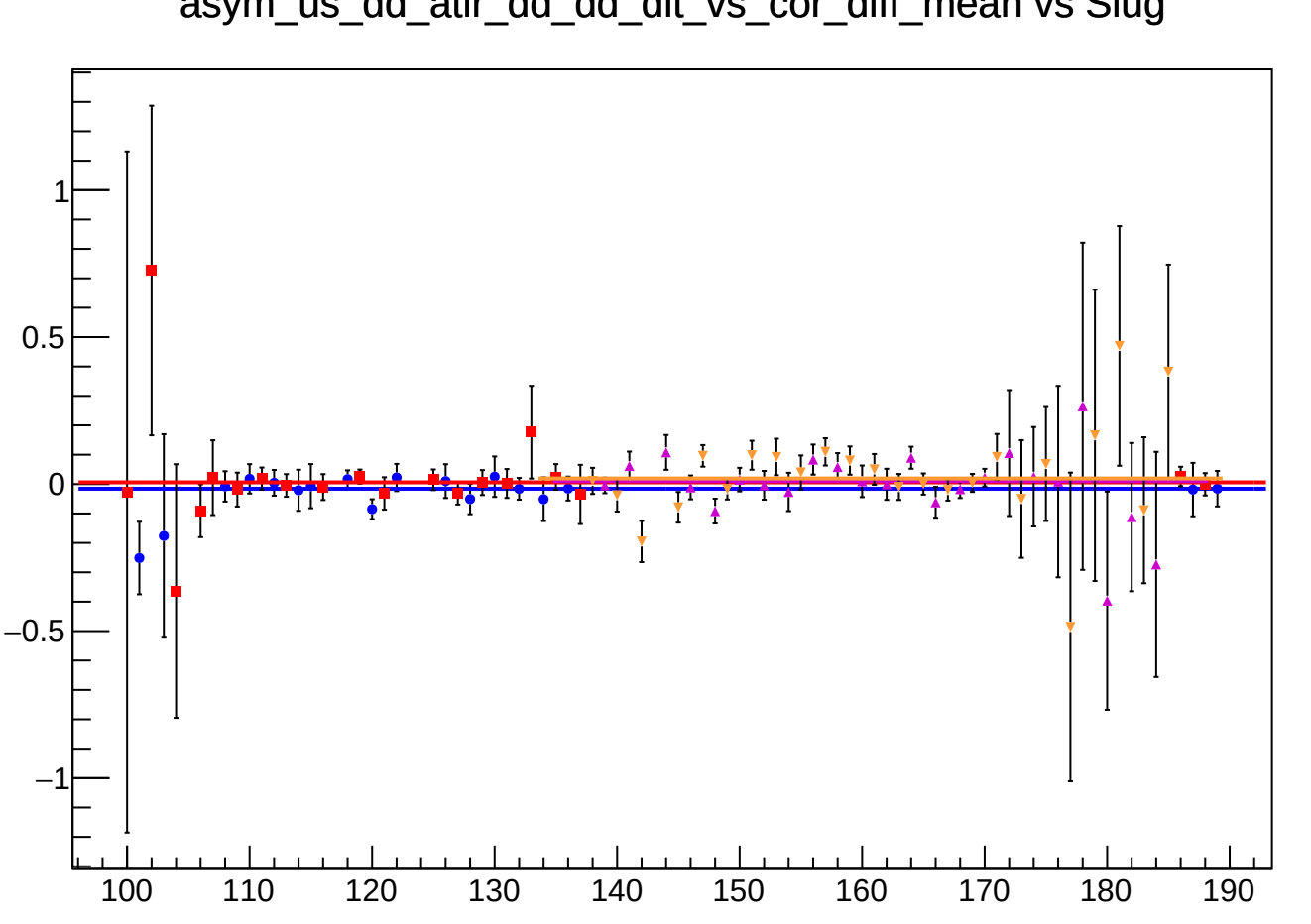
Right Out: 0.000+/-0.000 χ^2/NDF: 1682628.7/19

Left In: 0.000+/-0.000 χ^2/NDF:2542530.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 5270573.4/41

All: 0.000+/-0.000 χ^2/NDF: 10573182.0/84

- sign 0.000+/-0.000 χ^2/NDF: 5302529.7/42



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/17

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

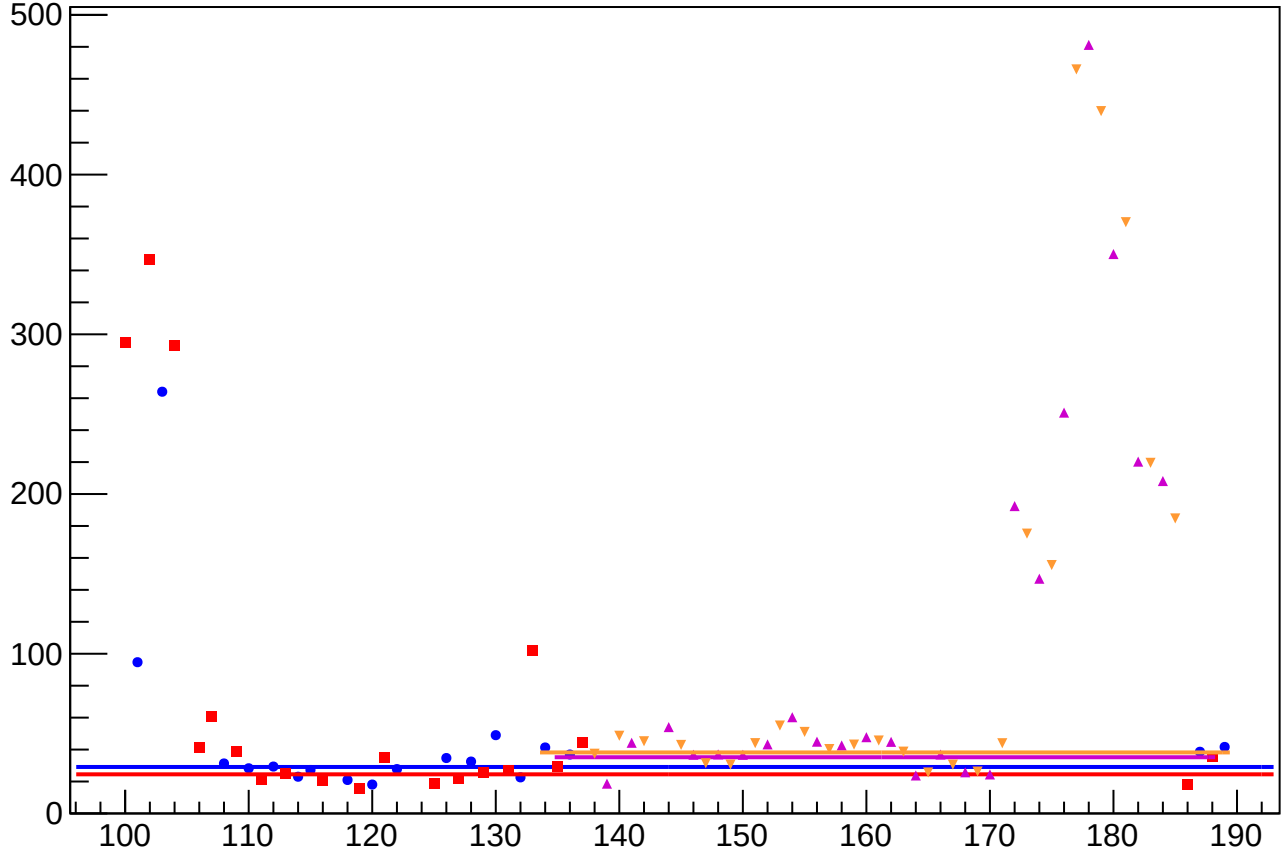
Right Out: 0.006+/-0.010 χ^2/NDF: 8.3/19

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.004+/-0.008 χ^2/NDF: 52.5/41

All: 0.006+/-0.005 χ^2/NDF: 84.7/84

- sign 0.008+/-0.007 χ^2/NDF: 32.0/42



Right In: 29.106+/-0.008 χ^2/NDF: 2360201.2/17

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

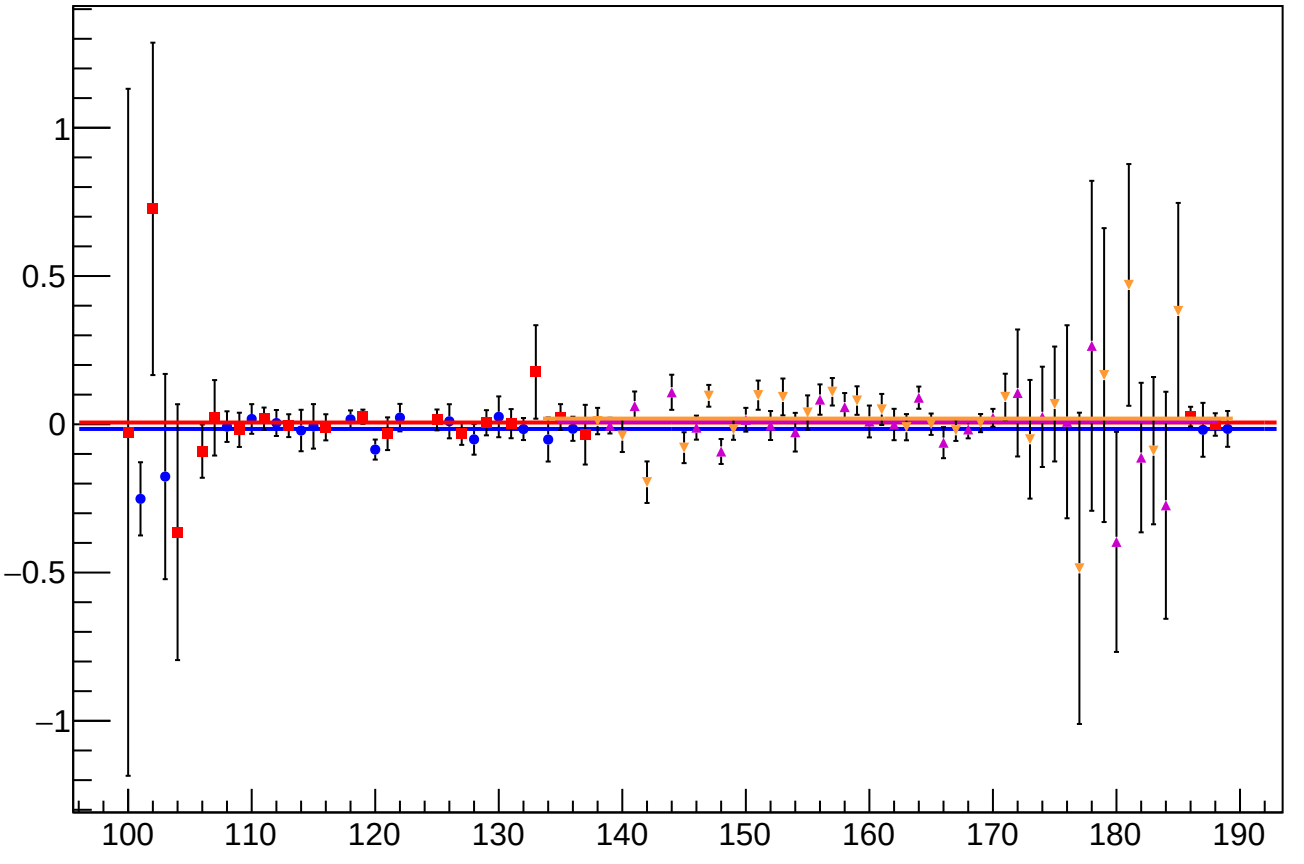
Right Out: 24.499+/-0.007 χ^2/NDF: 3176869.4/19

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

+ sign 34.116+/-0.006 χ^2/NDF: 11283571.9/41

All: 31.821+/-0.004 χ^2/NDF: 25223344.4/84

- sign 29.917+/-0.005 χ^2/NDF: 13639868.1/42



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/17

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

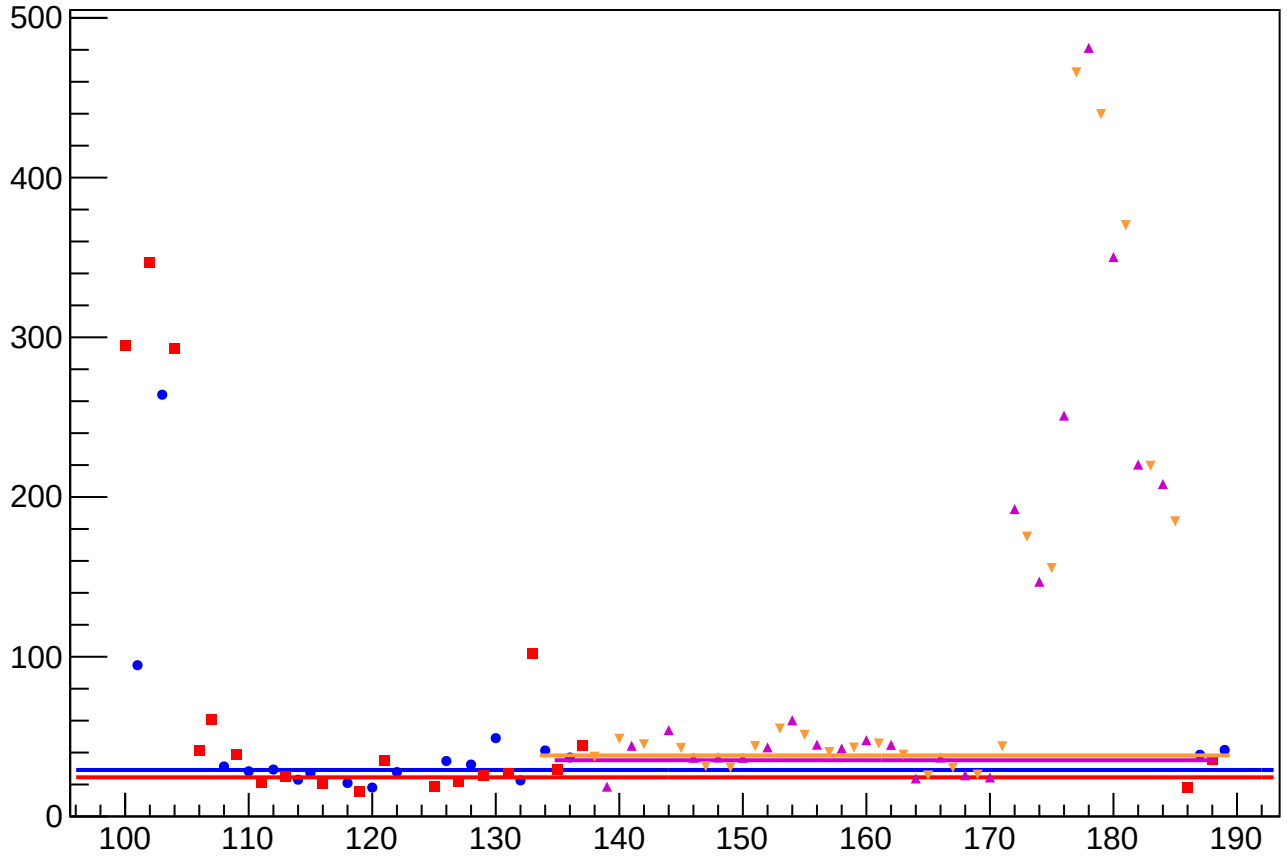
Right Out: 0.006+/-0.010 χ^2/NDF: 8.3/19

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

\+ sign 0.004+/-0.008 χ^2/NDF: 52.5/41

All: 0.006+/-0.005 χ^2/NDF: 84.7/84

\- sign 0.008+/-0.007 χ^2/NDF: 32.0/42



Right In: 29.106+/-0.008 χ^2/NDF: 2360201.2/17

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

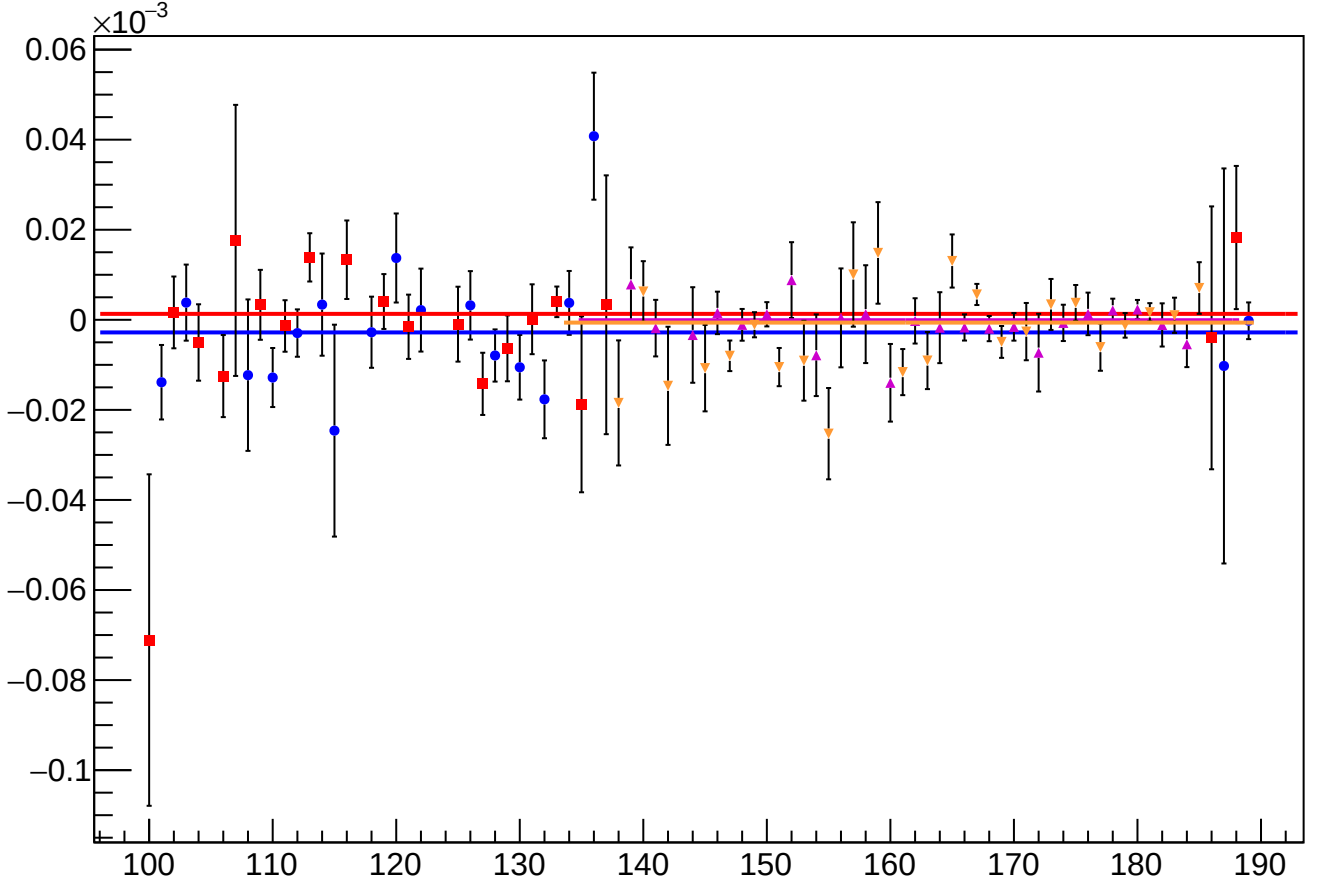
Right Out: 24.499+/-0.007 χ^2/NDF: 3176869.4/19

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

+ sign 34.116+/-0.006 χ^2/NDF: 11283571.9/41

All: 31.821+/-0.004 χ^2/NDF: 25223344.4/84

- sign 29.917+/-0.005 χ^2/NDF: 13639868.1/42



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/17

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

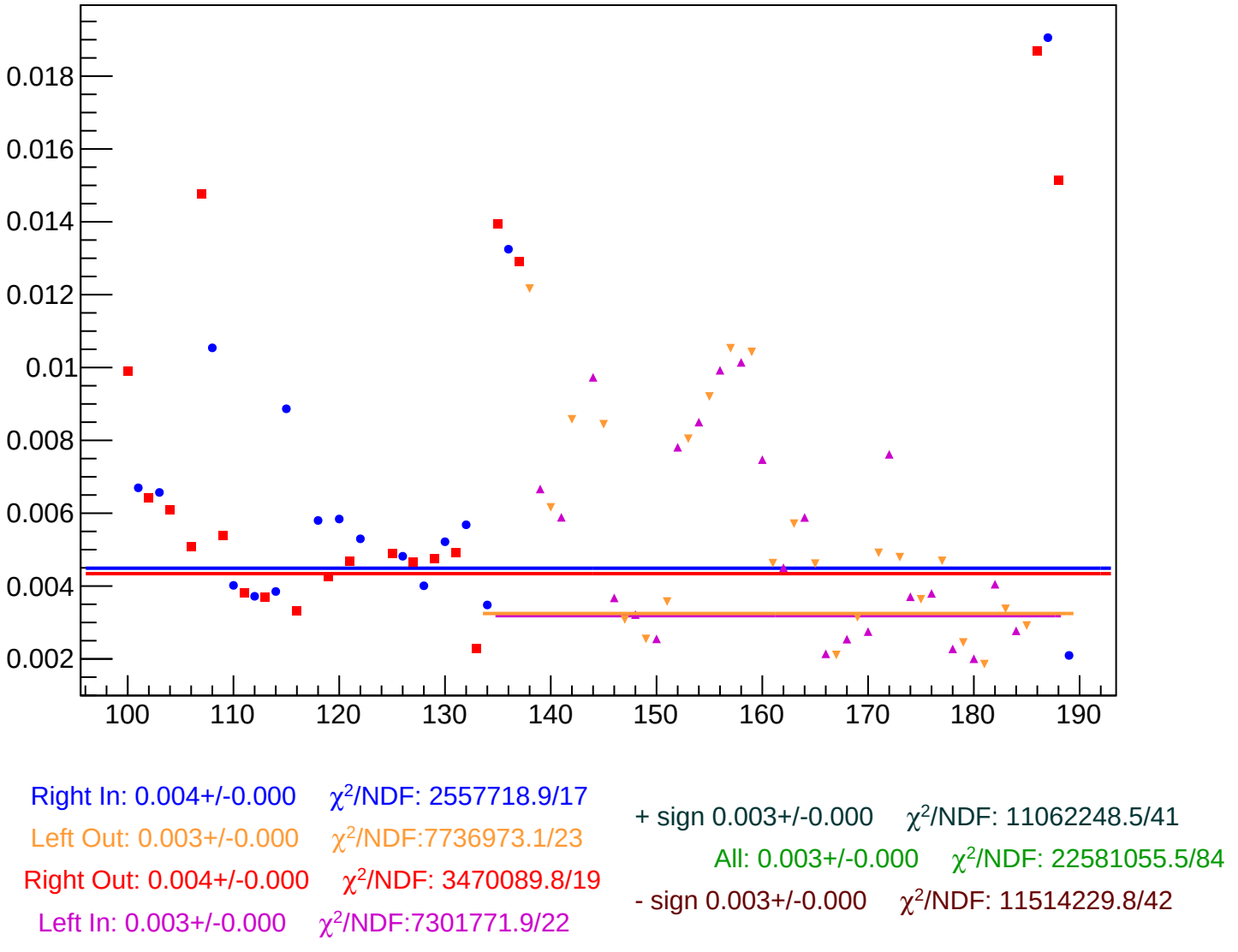
Right Out: 0.000+/-0.000 χ^2/NDF: 24.2/19

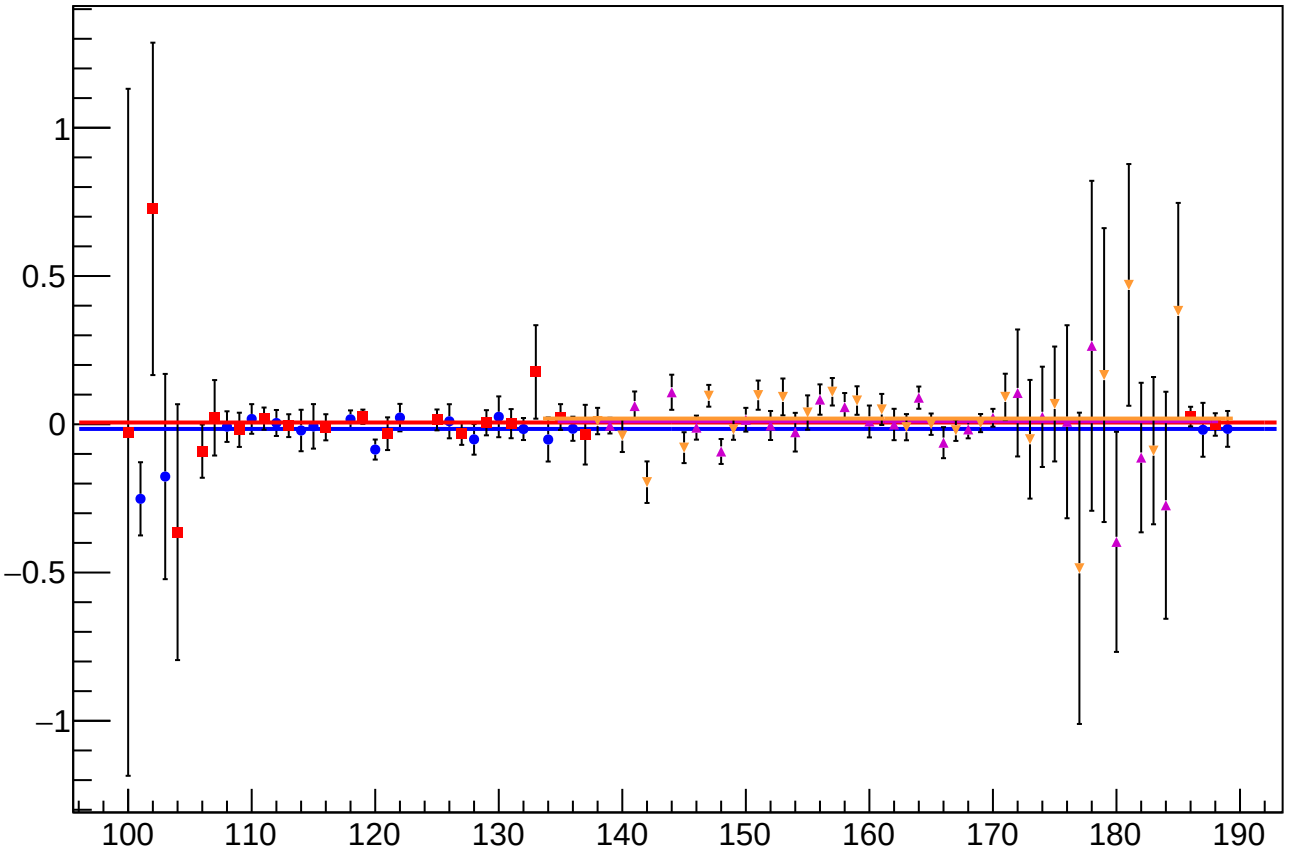
Left In: -0.000+/-0.000 χ^2/NDF:11.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 78.0/41

All: -0.000+/-0.000 χ^2/NDF: 115.0/84

- sign 0.000+/-0.000 χ^2/NDF: 35.7/42


asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
180
190
Right In: 0.004+/-0.000 χ²/NDF: 2557718.9/17
Left Out: 0.003+/-0.000 χ²/NDF:7736973.1/23
Right Out: 0.004+/-0.000 χ²/NDF: 3470089.8/19
Left In: 0.003+/-0.000 χ²/NDF:7301771.9/22
+ sign 0.003+/-0.000 χ²/NDF: 11062248.5/41
All: 0.003+/-0.000 χ²/NDF: 22581055.5/84
- sign 0.003+/-0.000 χ²/NDF: 11514229.8/42



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/17

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

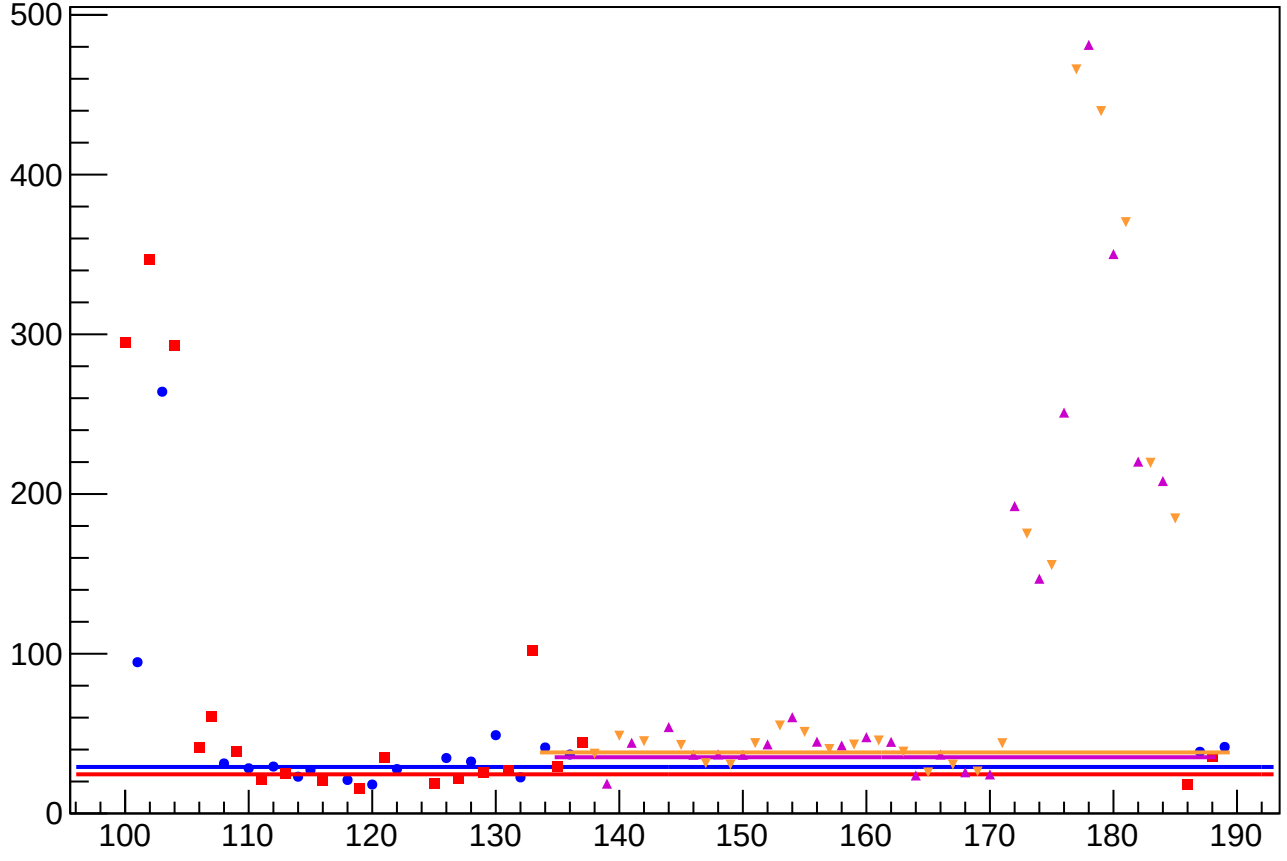
Right Out: 0.006+/-0.010 χ^2/NDF: 8.3/19

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.004+/-0.008 χ^2/NDF: 52.5/41

All: 0.006+/-0.005 χ^2/NDF: 84.7/84

- sign 0.008+/-0.007 χ^2/NDF: 32.0/42



Right In: 29.106+/-0.008 χ^2/NDF: 2360184.1/17

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

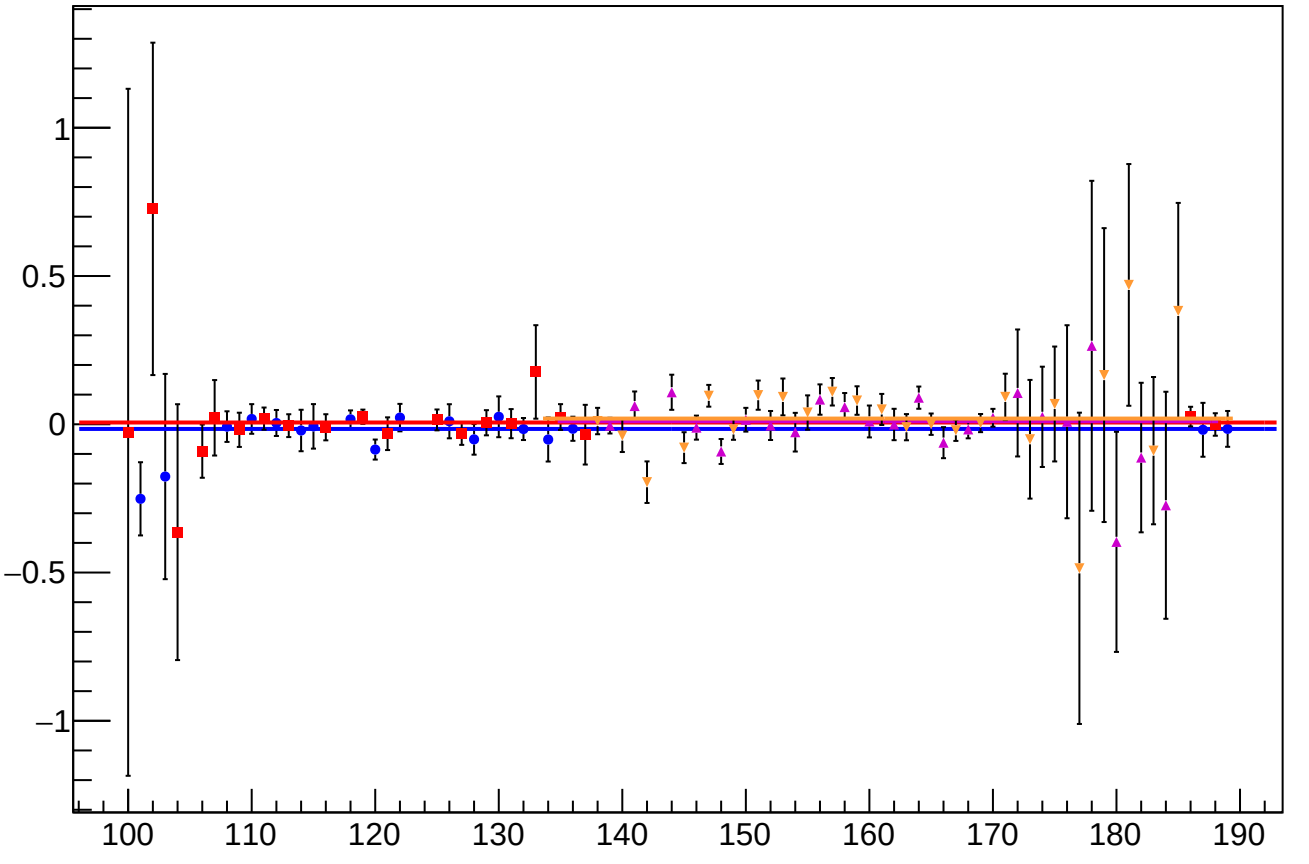
Right Out: 24.497+/-0.007 χ^2/NDF: 3177088.9/19

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

+ sign 34.116+/-0.006 χ^2/NDF: 11283706.8/41

All: 31.820+/-0.004 χ^2/NDF: 25224731.0/84

- sign 29.915+/-0.005 χ^2/NDF: 13640936.0/42



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/17

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

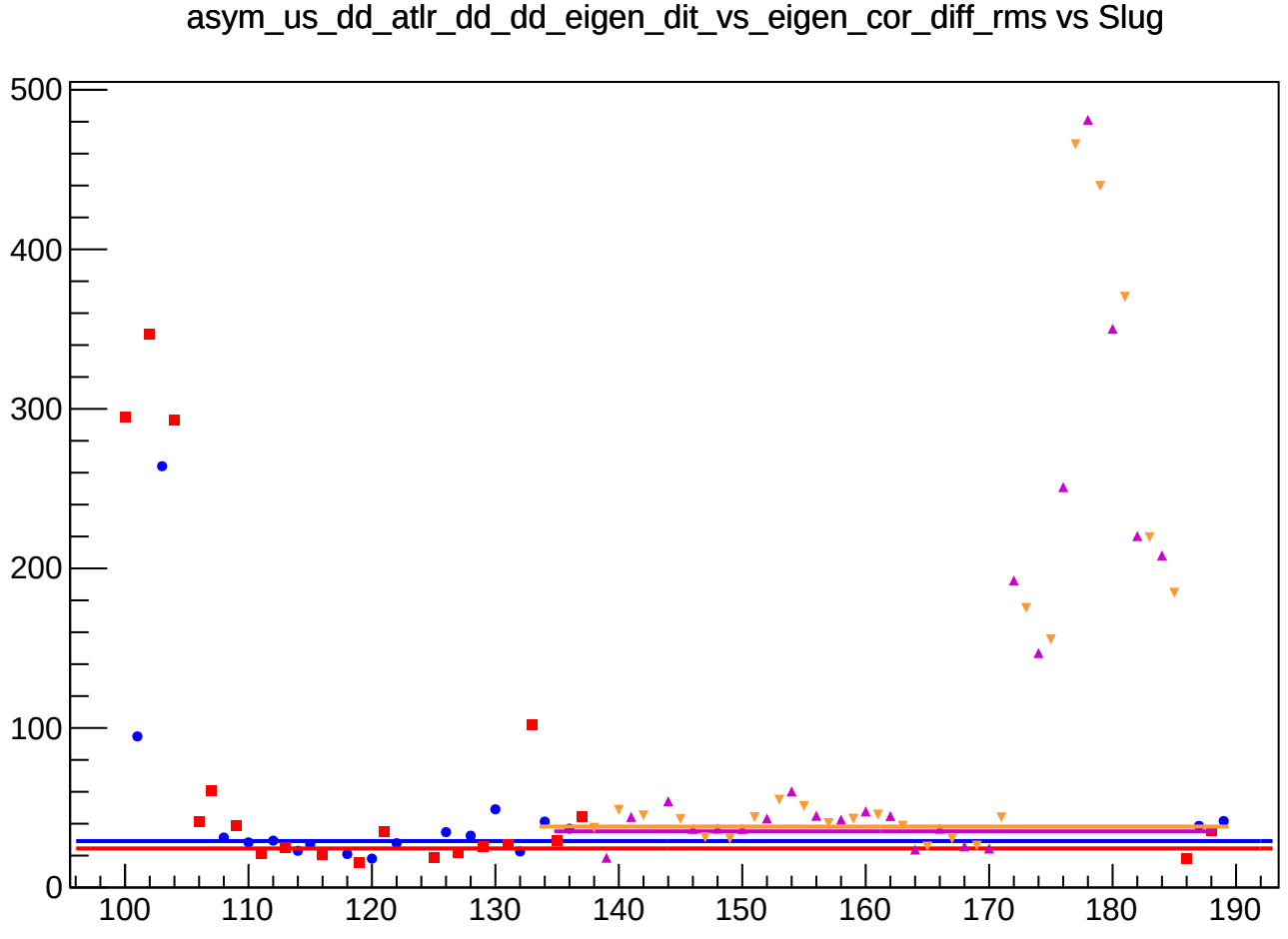
Right Out: 0.006+/-0.010 χ^2/NDF: 8.3/19

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.004+/-0.008 χ^2/NDF: 52.5/41

All: 0.006+/-0.005 χ^2/NDF: 84.7/84

- sign 0.008+/-0.007 χ^2/NDF: 32.0/42



Right In: 29.106+/-0.008 χ^2/NDF: 2360184.1/17

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

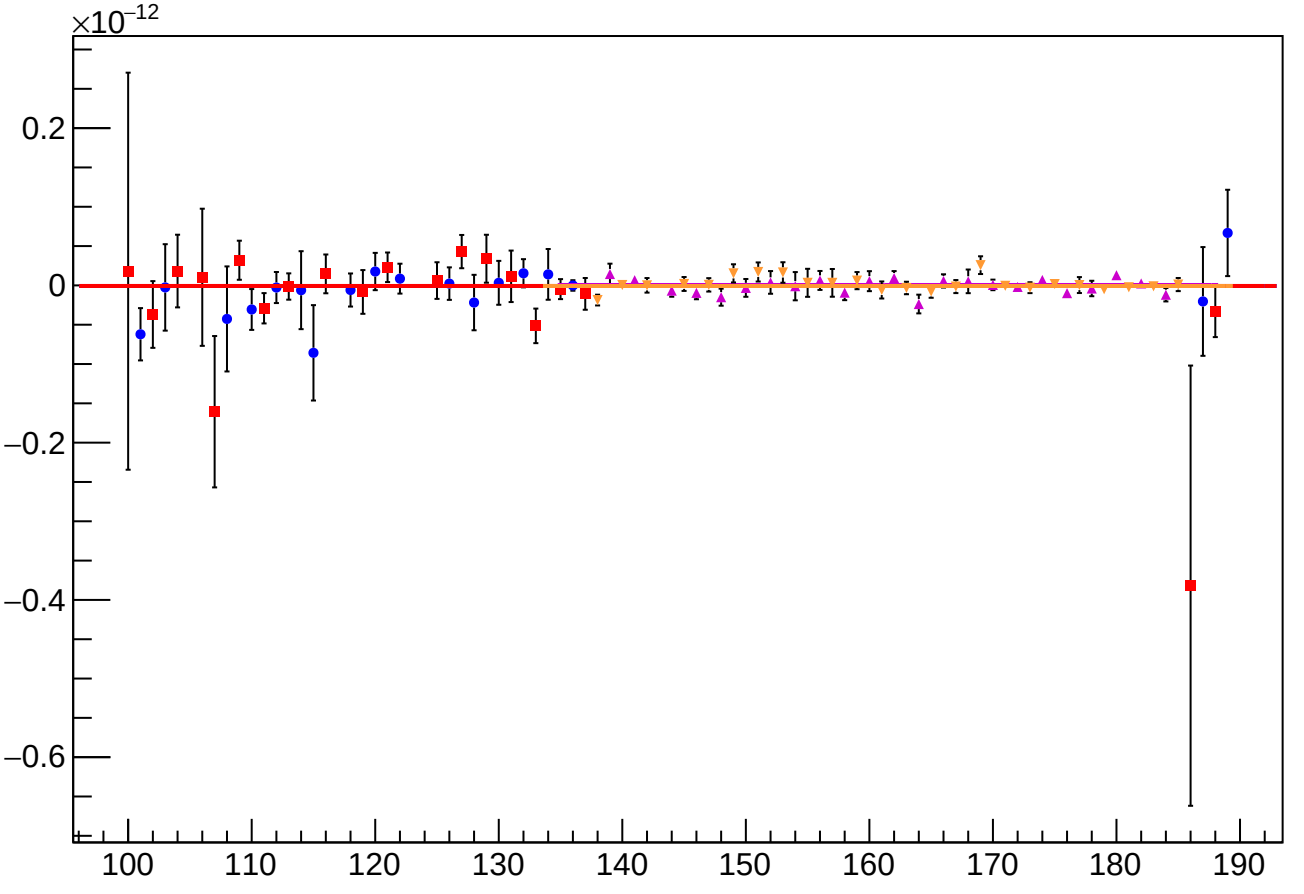
Right Out: 24.497+/-0.007 χ^2/NDF: 3177088.9/19

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

+ sign 34.116+/-0.006 χ^2/NDF: 11283706.8/41

All: 31.820+/-0.004 χ^2/NDF: 25224731.0/84

- sign 29.915+/-0.005 χ^2/NDF: 13640936.0/42



Right In: -0.000+/-0.000 χ^2/NDF: 11.0/17

Left Out: -0.000+/-0.000 χ^2/NDF:21.1/23

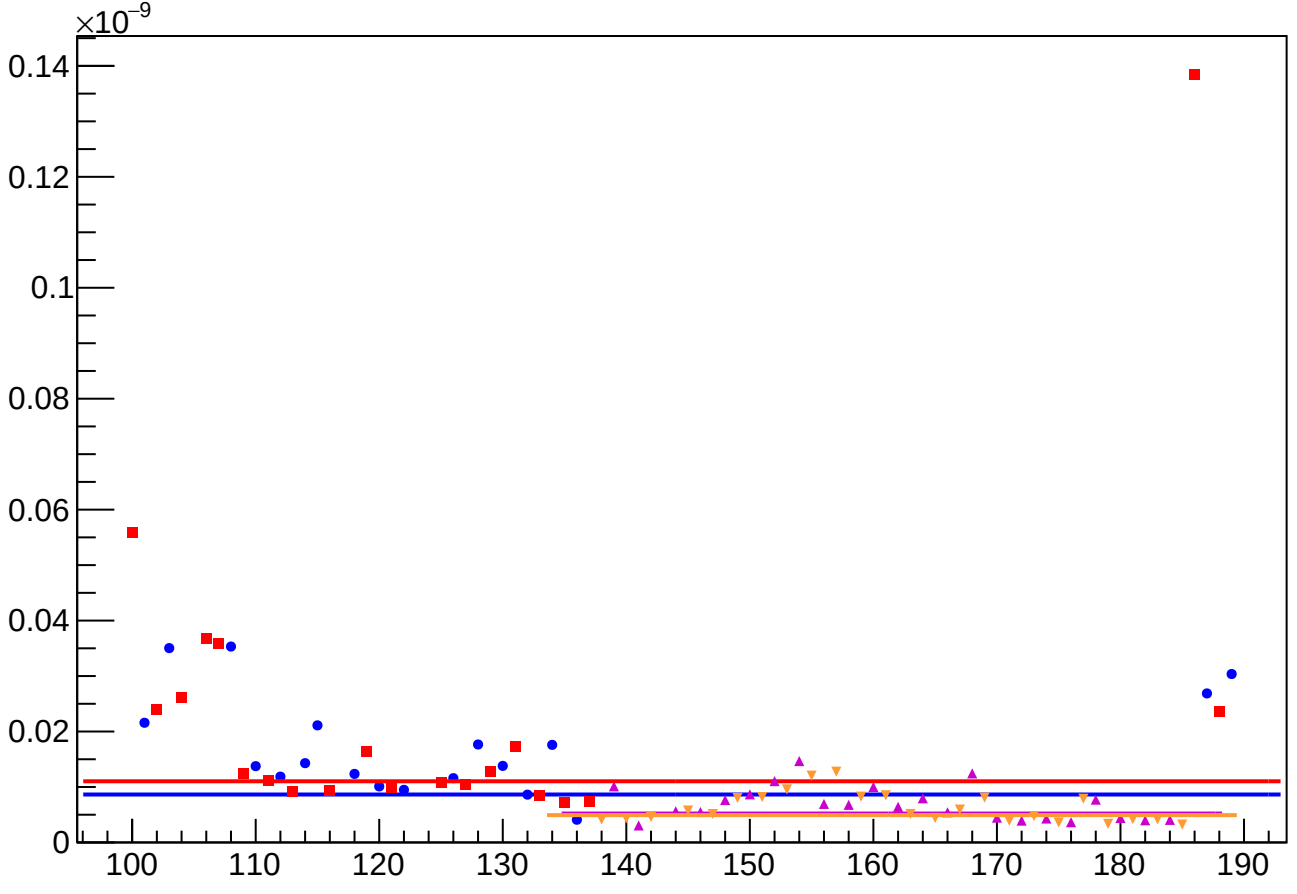
Right Out: -0.000+/-0.000 χ^2/NDF: 23.9/19

Left In: 0.000+/-0.000 χ^2/NDF:26.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 32.1/41

All: -0.000+/-0.000 χ^2/NDF: 82.6/84

- sign 0.000+/-0.000 χ^2/NDF: 50.2/42



Right In: 0.000+/-0.000 χ^2/NDF: 3167538.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:2632036.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1952833.4/19

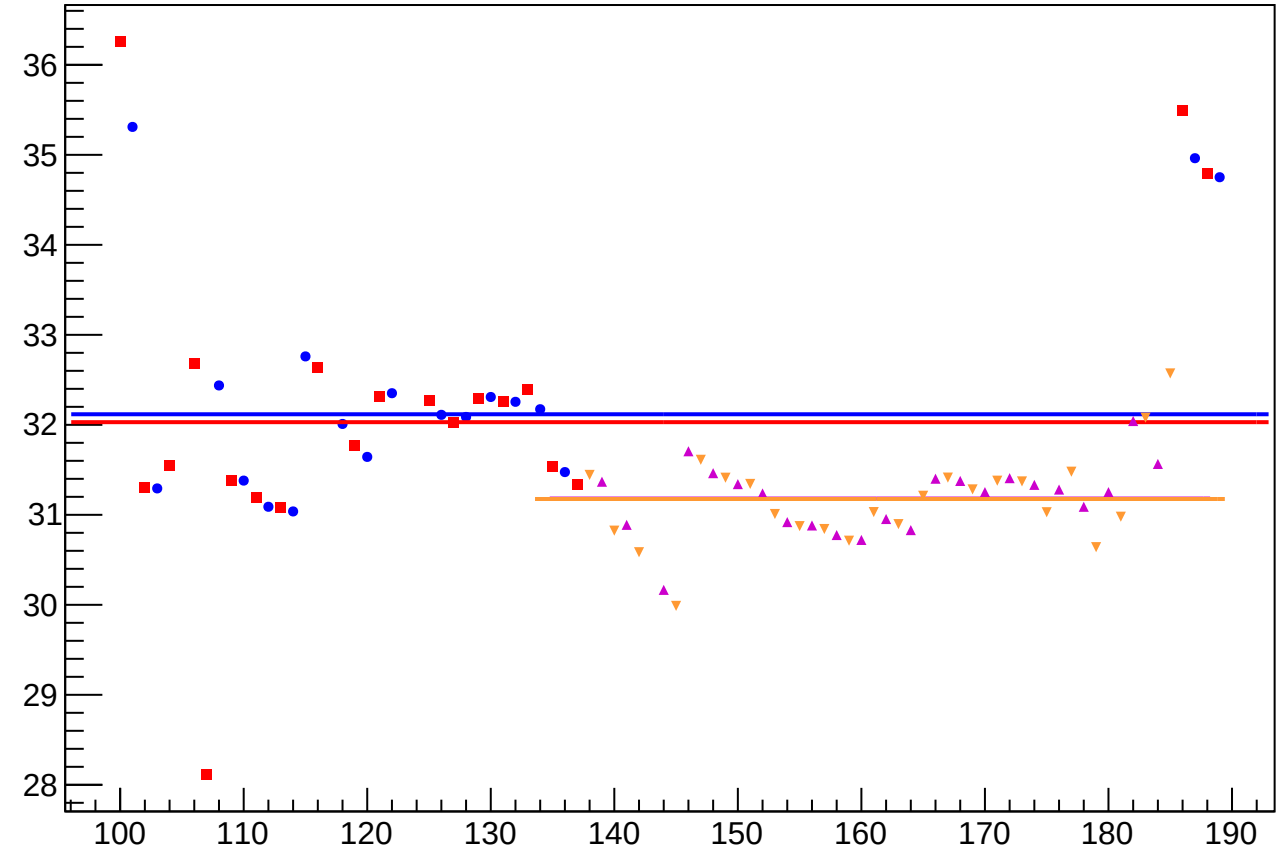
Left In: 0.000+/-0.000 χ^2/NDF:3449719.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 6903095.3/41

All: 0.000+/-0.000 χ^2/NDF: 14397417.9/84

- sign 0.000+/-0.000 χ^2/NDF: 7429194.4/42

yield_usl_mean vs Slug



Right In: 32.117+/-0.000 χ^2/NDF: 1158409623.7/17

Left Out: 31.176+/-0.000 χ^2/NDF:529824418.6/23

Right Out: 32.030+/-0.000 χ^2/NDF: 1113859072.3/19

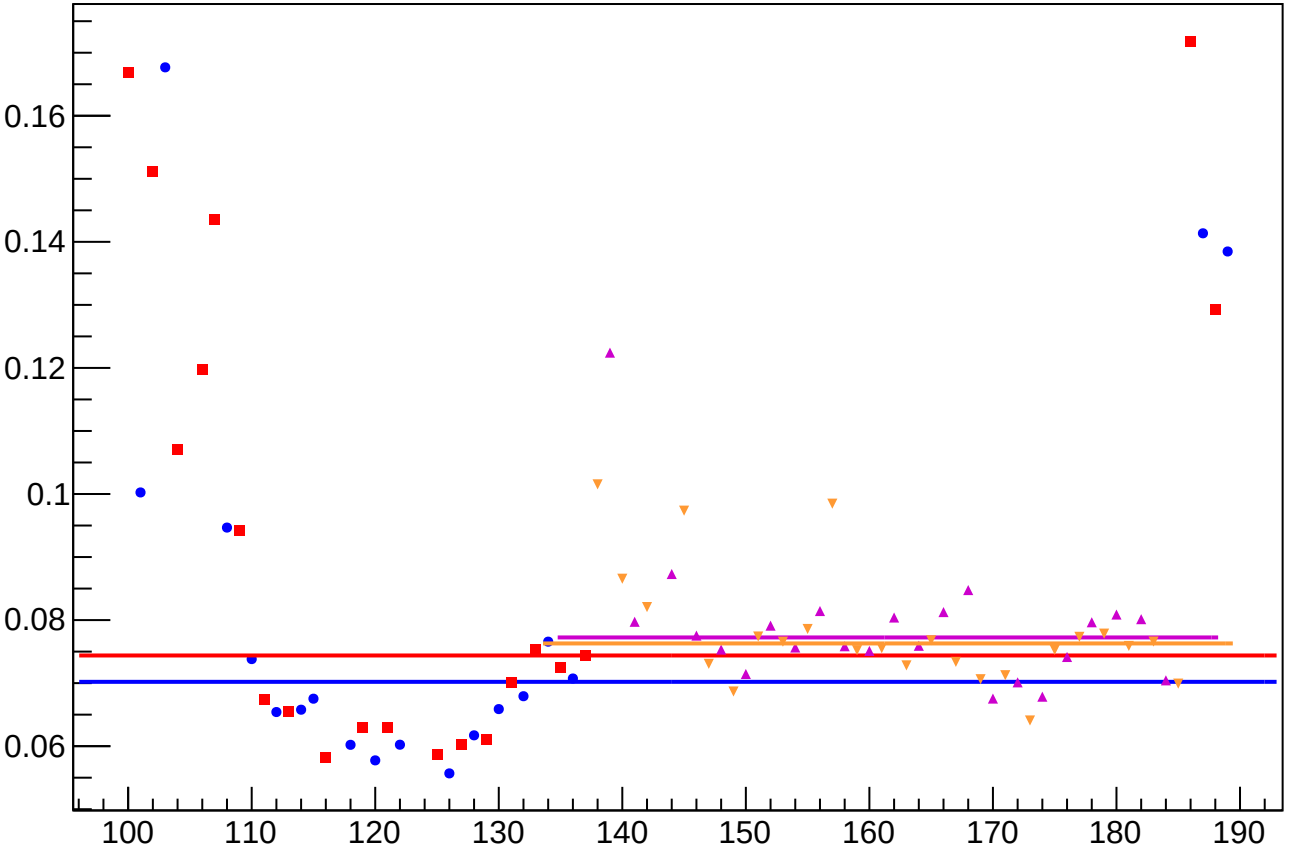
Left In: 31.181+/-0.000 χ^2/NDF:376263410.1/22

+ sign 31.480+/-0.000 χ^2/NDF: 2512137722.4/41

All: 31.467+/-0.000 χ^2/NDF: 4644770971.1/8

- sign 31.454+/-0.000 χ^2/NDF: 2131184336.1/42

yield_usl_rms vs Slug



Right In: 0.070+/-0.000 χ^2/NDF: 1045528.0/17

Left Out: 0.076+/-0.000 χ^2/NDF:356697.3/23

Right Out: 0.074+/-0.000 χ^2/NDF: 1497051.7/19

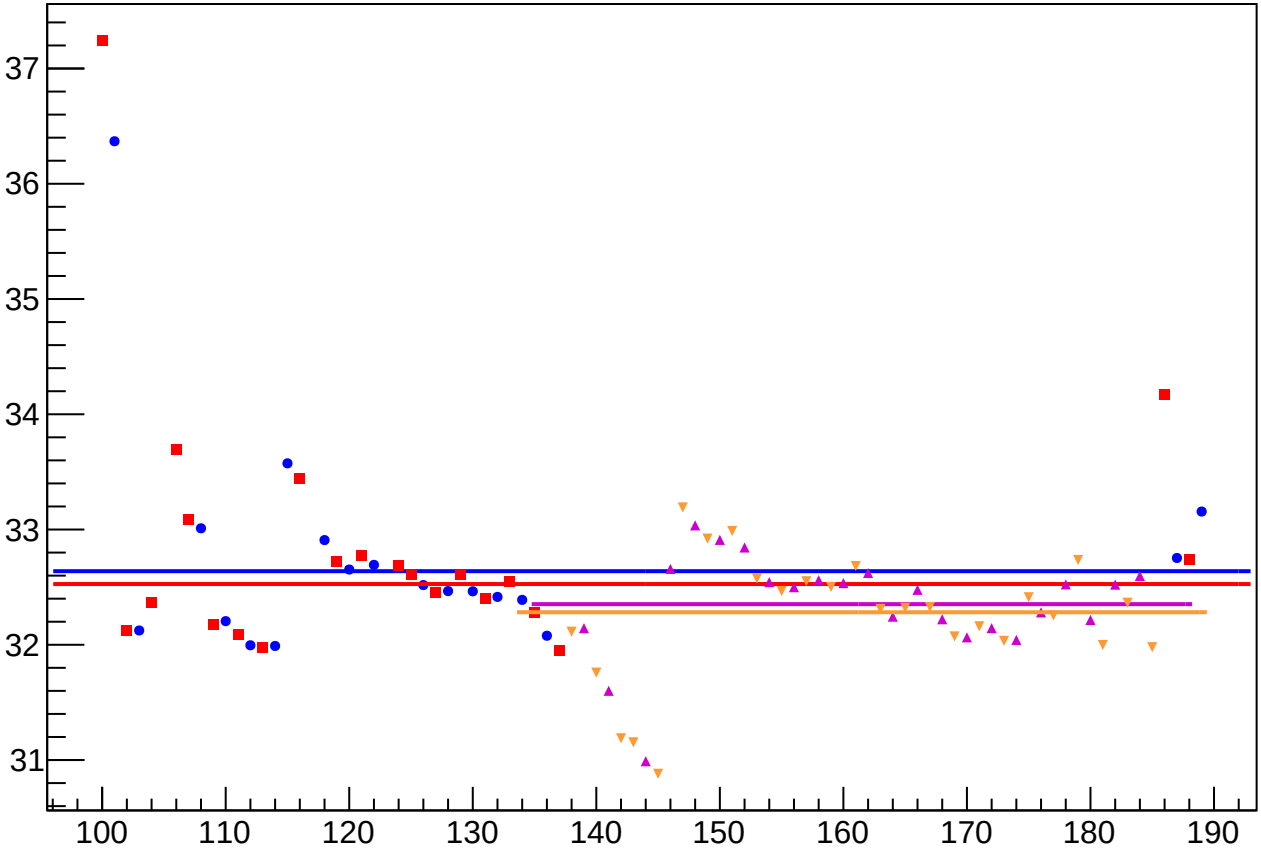
Left In: 0.077+/-0.000 χ^2/NDF:365206.5/22

+ sign 0.074+/-0.000 χ^2/NDF: 1471173.7/41

All: 0.075+/-0.000 χ^2/NDF: 3364632.9/84

- sign 0.076+/-0.000 χ^2/NDF: 1876822.5/42

yield_usr_mean vs Slug



Right In: 32.638+/-0.000 χ^2/NDF: 744771316.2/17

Left Out: 32.282+/-0.000 χ^2/NDF:838959313.2/24

Right Out: 32.527+/-0.000 χ^2/NDF: 214677154.6/20

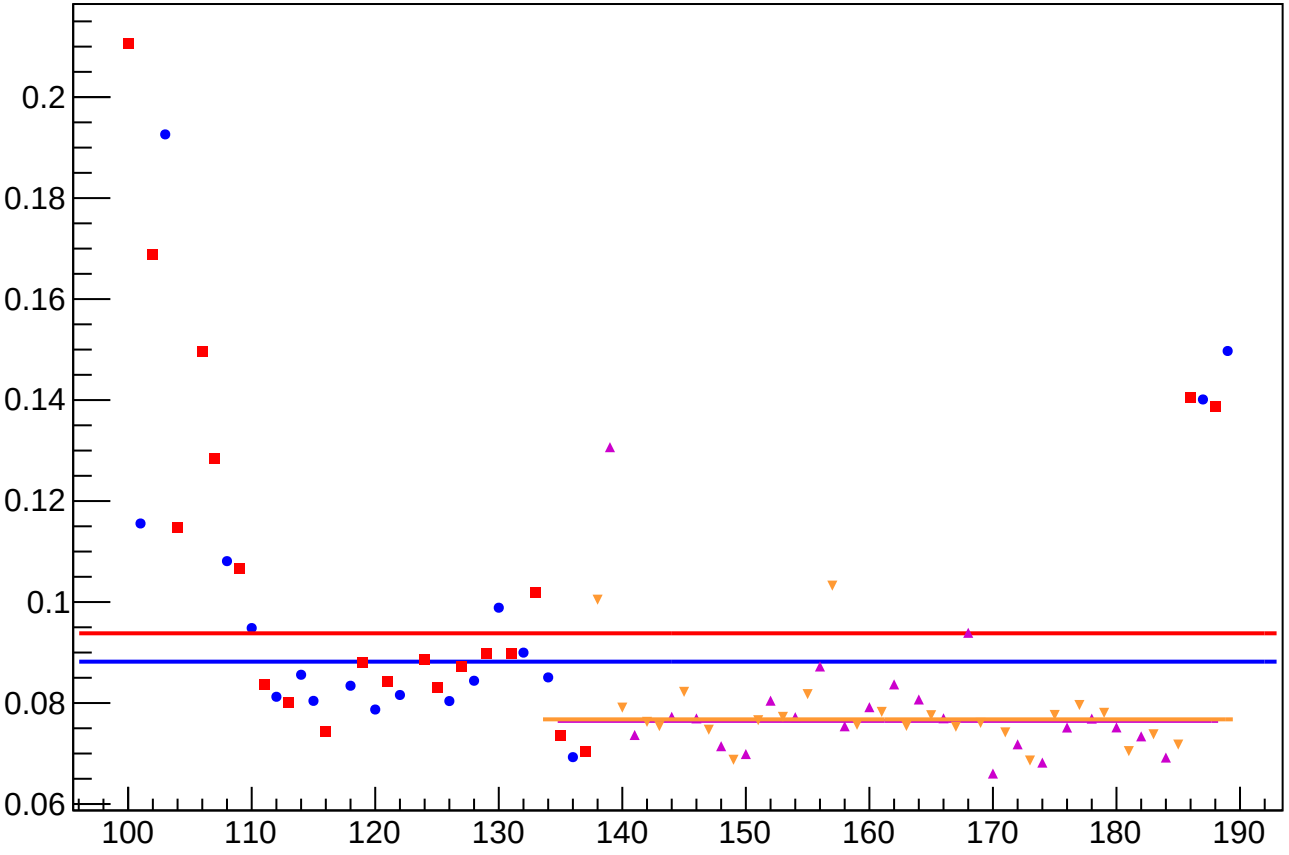
Left In: 32.353+/-0.000 χ^2/NDF:589893462.0/22

+ sign 32.363+/-0.000 χ^2/NDF: 1669479347.9/42

All: 32.377+/-0.000 χ^2/NDF: 2495877007.4/8

- sign 32.393+/-0.000 χ^2/NDF: 824693466.7/43

yield_usr_rms vs Slug



Right In: 0.088+/-0.000 χ^2/NDF: 803415.8/17

Left Out: 0.077+/-0.000 χ^2/NDF:250795.7/24

Right Out: 0.094+/-0.000 χ^2/NDF: 912600.6/20

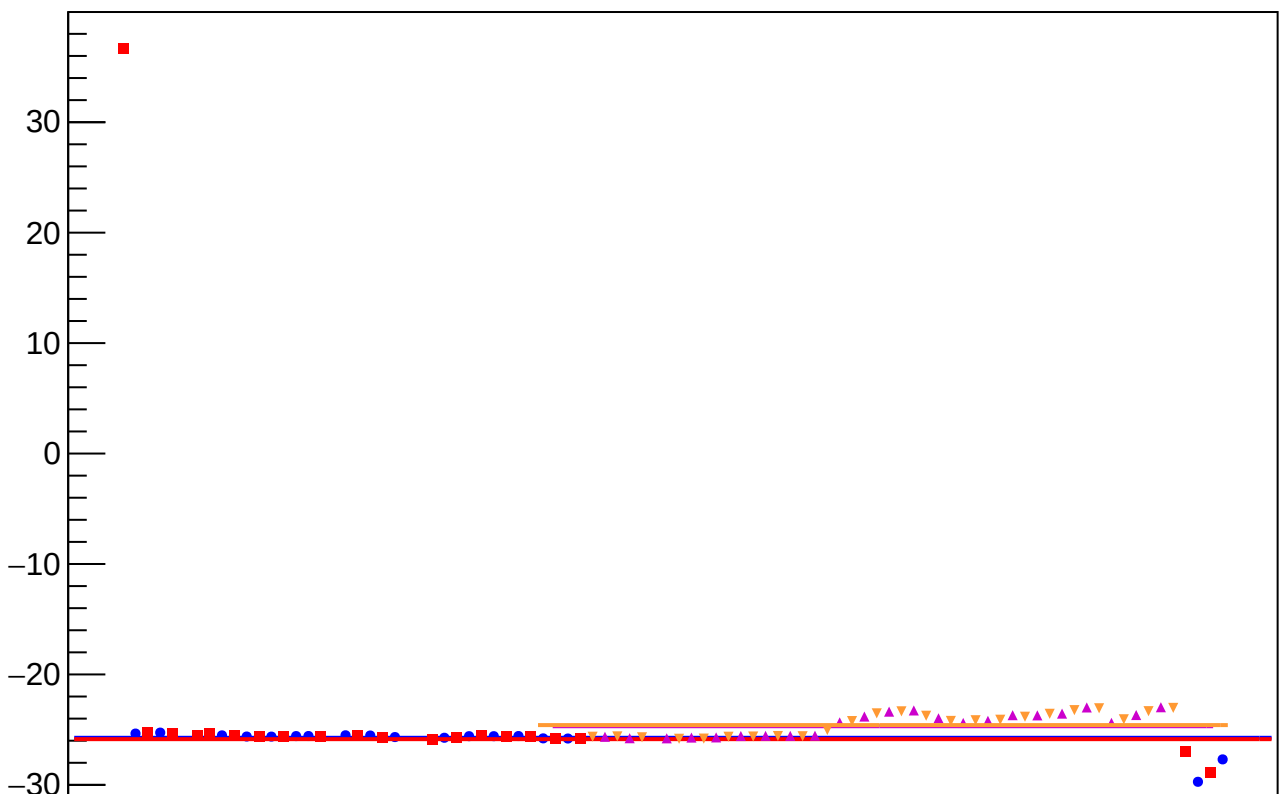
Left In: 0.076+/-0.000 χ^2/NDF:482593.3/22

+ sign 0.079+/-0.000 χ^2/NDF: 1230781.9/42

All: 0.080+/-0.000 χ^2/NDF: 3028544.4/86

- sign 0.080+/-0.000 χ^2/NDF: 1793078.4/43

yield_dsl_mean vs Slug



Right In: -25.737+/-0.000 χ^2/NDF: 1995035888.2/17

Left Out: -24.587+/-0.000 χ^2/NDF:9182387434.6/23

Right Out: -25.860+/-0.000 χ^2/NDF: 12831877194.3/19

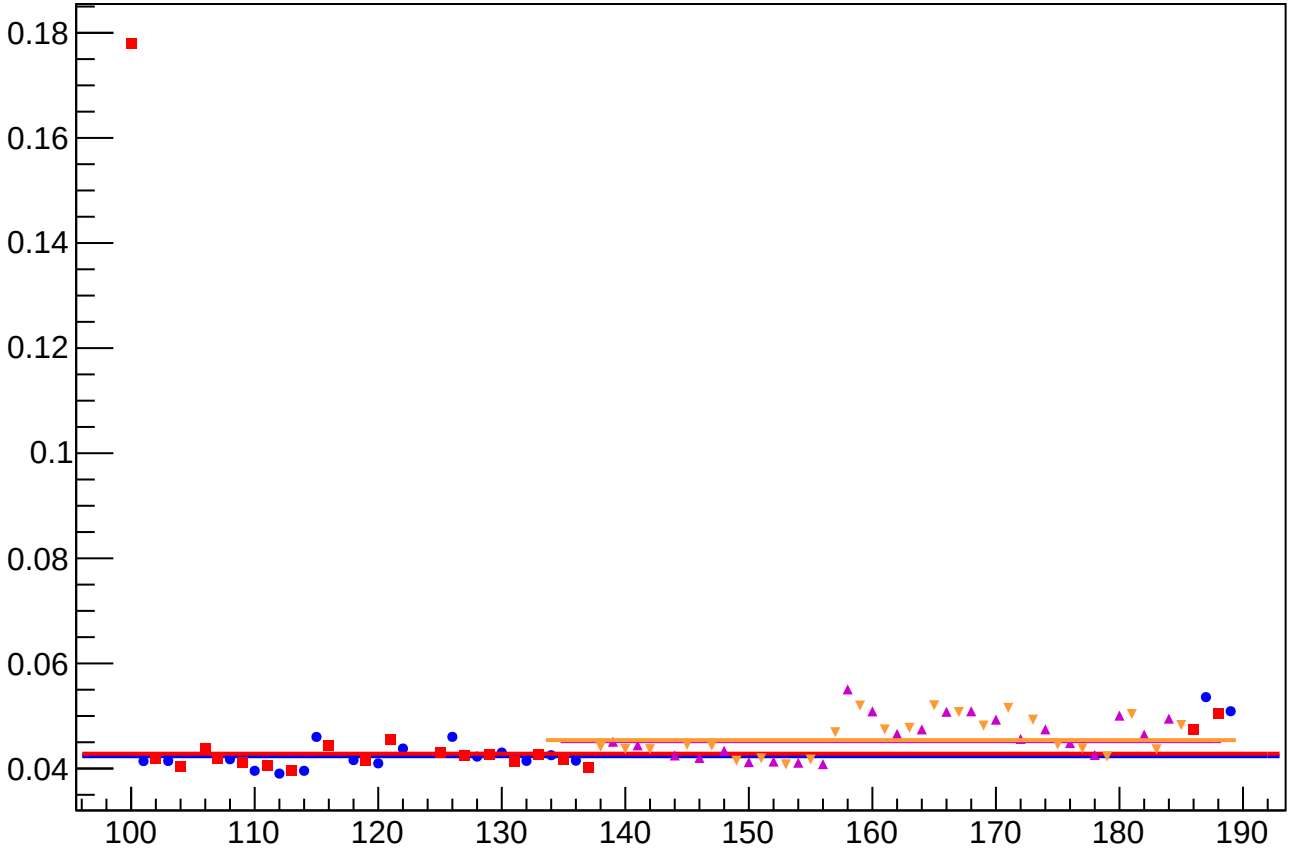
Left In: -24.689+/-0.000 χ^2/NDF:8820957974.3/22

+ sign -24.971+/-0.000 χ^2/NDF: 15033432890.7/41

All: -25.035+/-0.000 χ^2/NDF: 40961391364.1

- sign -25.097+/-0.000 χ^2/NDF: 25822114530.1/42

yield_dsl_rms vs Slug



Right In: 0.042+/-0.000 χ^2/NDF: 69408.4/17

Left Out: 0.045+/-0.000 χ^2/NDF:205535.7/23

Right Out: 0.043+/-0.000 χ^2/NDF: 158510.1/19

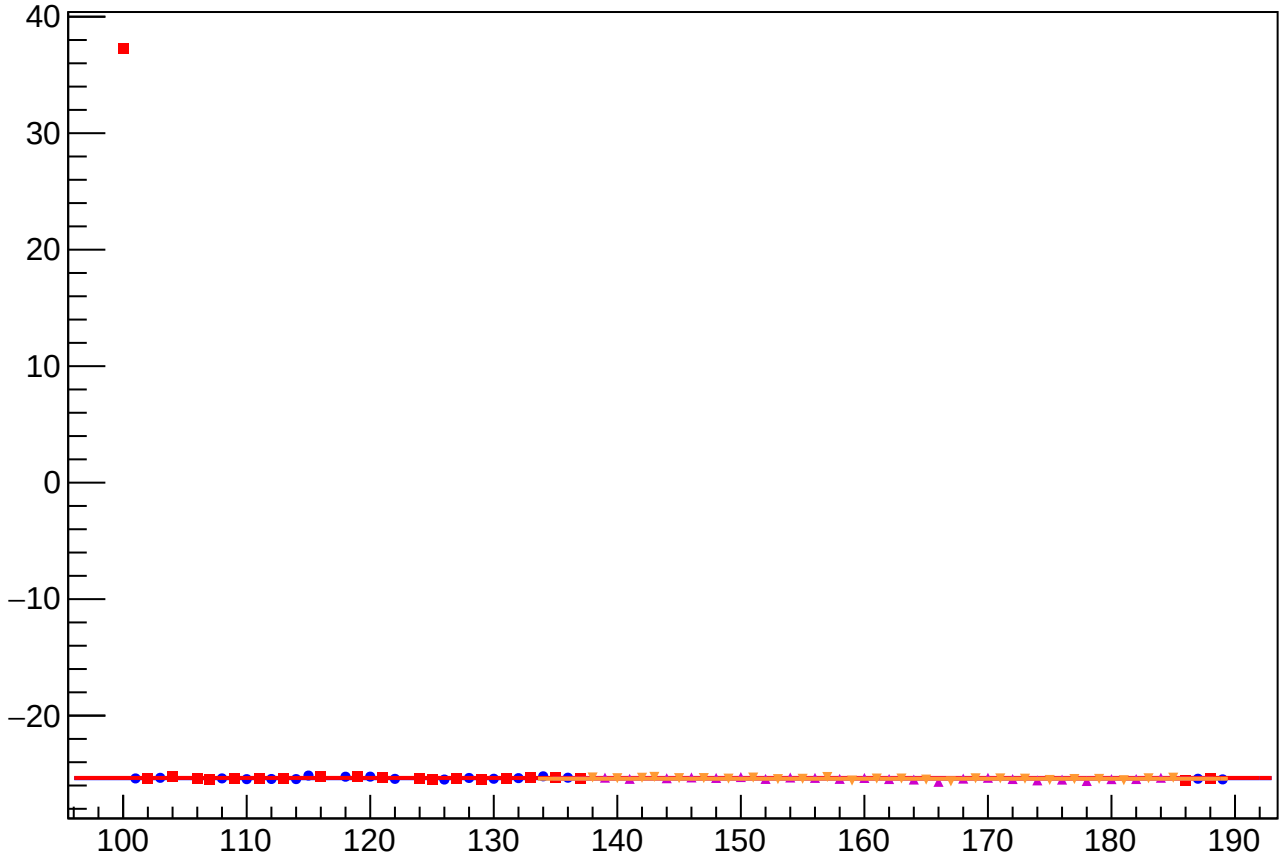
Left In: 0.045+/-0.000 χ^2/NDF:244675.5/22

+ sign 0.044+/-0.000 χ^2/NDF: 329578.0/41

All: 0.044+/-0.000 χ^2/NDF: 767231.5/84

- sign 0.044+/-0.000 χ^2/NDF: 437652.6/42

yield_dsr_mean vs Slug



Right In: -25.373+/-0.000 χ^2/NDF: 16083627.2/17

Left Out: -25.417+/-0.000 χ^2/NDF:52213098.9/24

Right Out: -25.348+/-0.000 χ^2/NDF: 6324307734.6/20

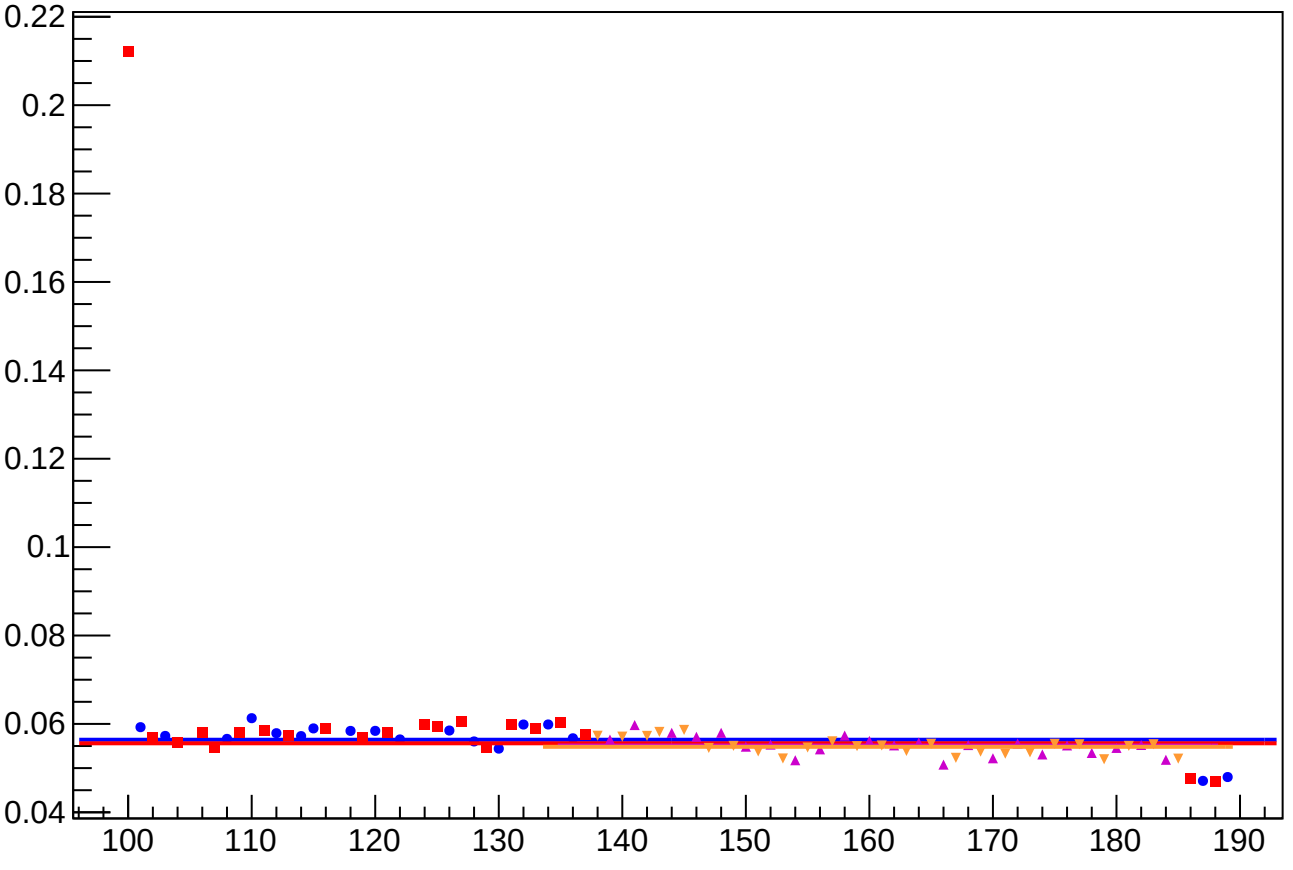
Left In: -25.414+/-0.000 χ^2/NDF:55851916.1/22

+ sign -25.405+/-0.000 χ^2/NDF: 71642183.2/42

All: -25.399+/-0.000 χ^2/NDF: 6460686228.3/

- sign -25.393+/-0.000 χ^2/NDF: 6388454718.3/43

yield_dsr_rms vs Slug



Right In: 0.056+/-0.000 χ^2/NDF: 65447.1/17

Left Out: 0.055+/-0.000 χ^2/NDF:38095.1/24

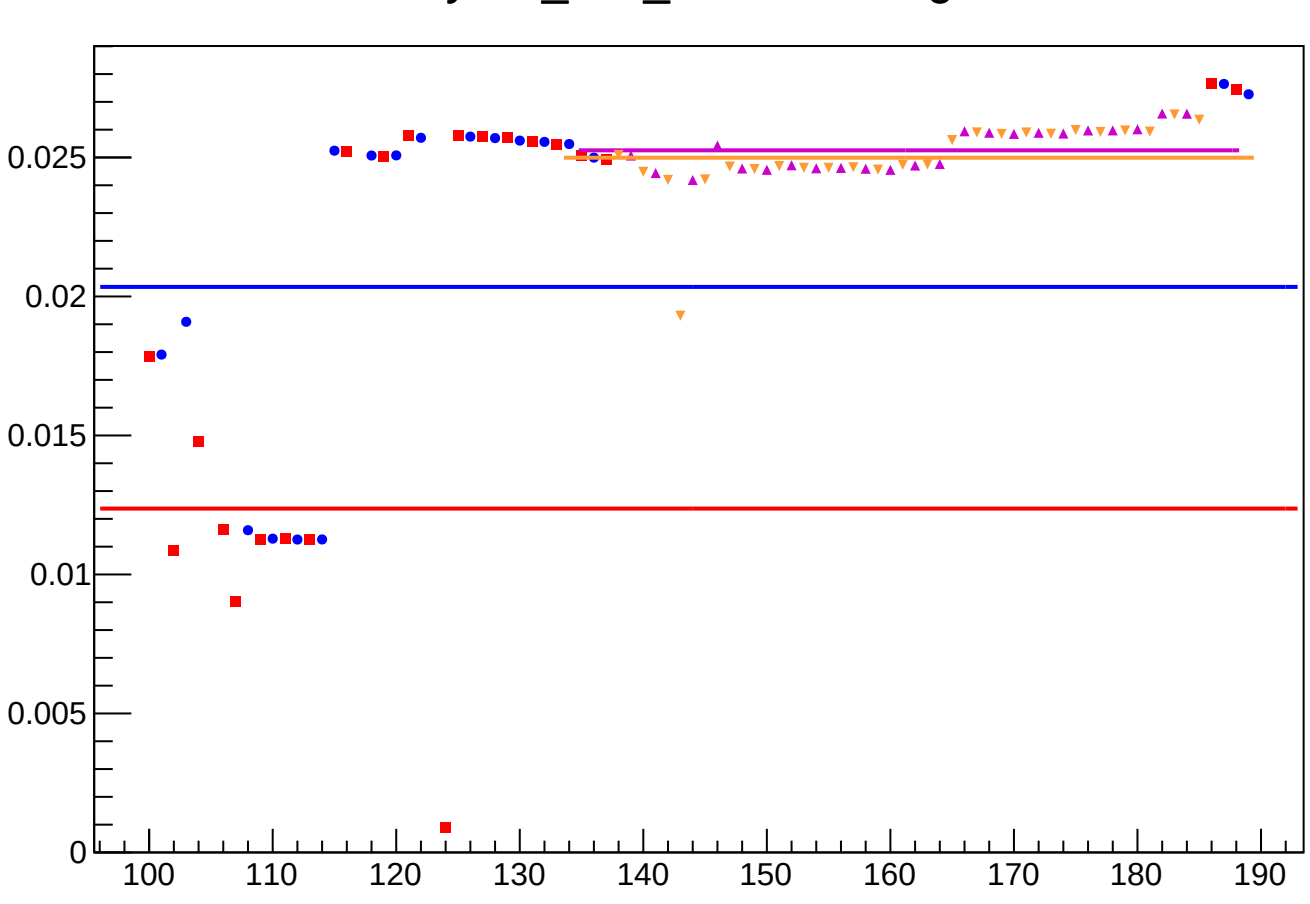
Right Out: 0.056+/-0.000 χ^2/NDF: 199764.1/20

Left In: 0.055+/-0.000 χ^2/NDF:51531.3/22

+ sign 0.055+/-0.000 χ^2/NDF: 112376.5/42

All: 0.055+/-0.000 χ^2/NDF: 364610.7/86

- sign 0.055+/-0.000 χ^2/NDF: 252234.1/43



Right In: 0.020+/-0.000 χ^2/NDF: 67216650235.6/17

Left Out: 0.025+/-0.000 χ^2/NDF:7880064969.5/24

Right Out: 0.012+/-0.000 χ^2/NDF: 291470290586.9/20

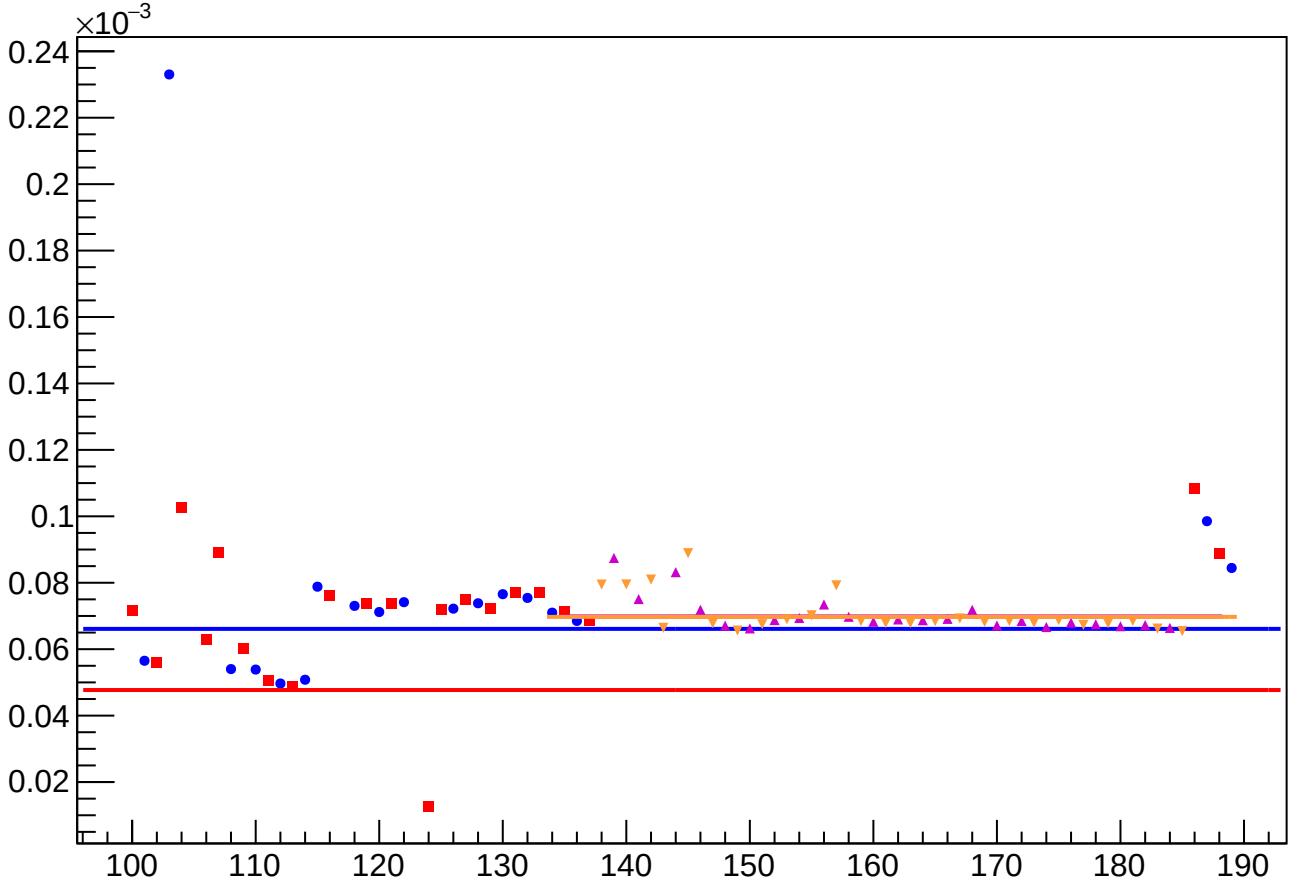
Left In: 0.025+/-0.000 χ^2/NDF:1884783780.3/22

+ sign 0.024+/-0.000 χ^2/NDF: 100118524655.6/42

All: 0.022+/-0.000 χ^2/NDF: 693125553583.8

- sign 0.020+/-0.000 χ^2/NDF: 550761160485.5/43

yield_atl1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 909342.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:188211.8/24

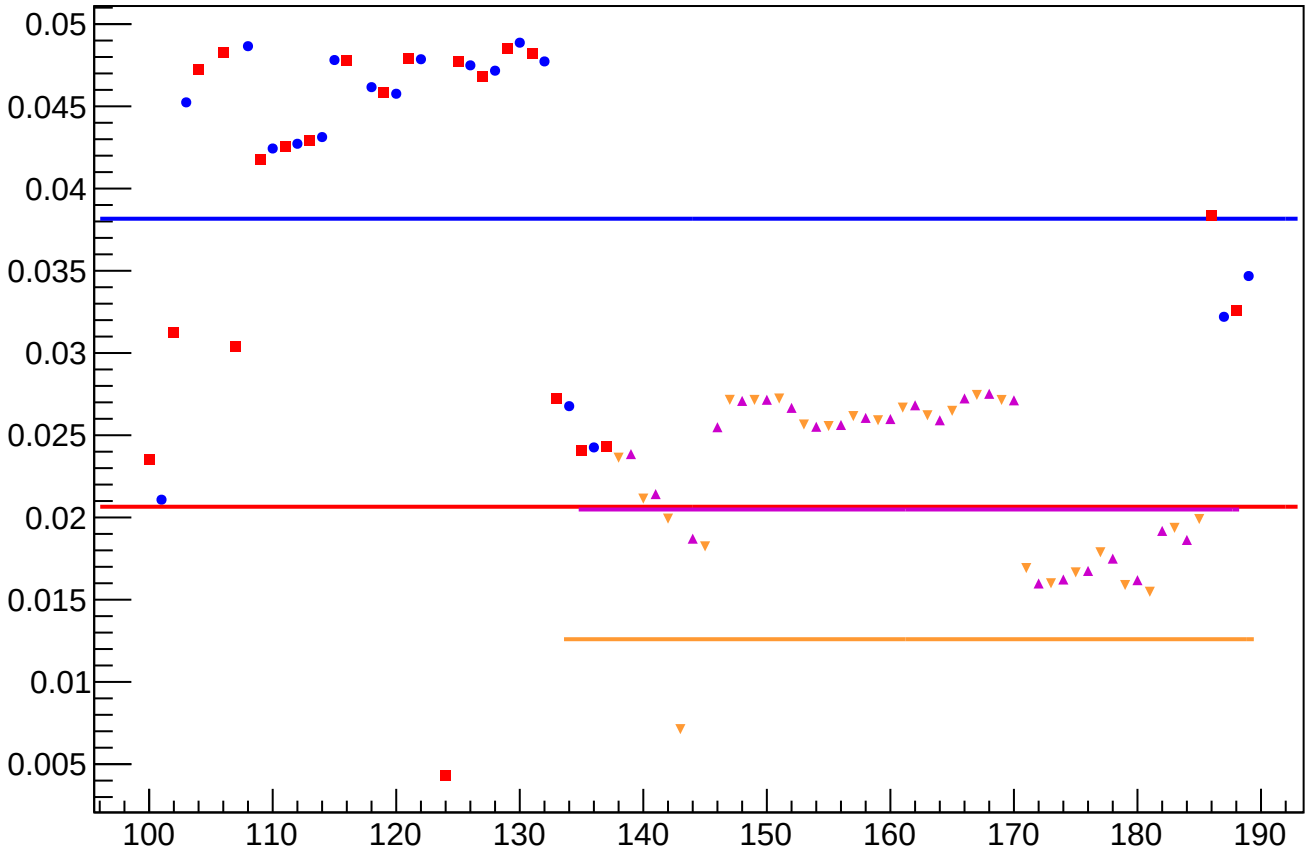
Right Out: 0.000+/-0.000 χ^2/NDF: 4470156.4/20

Left In: 0.000+/-0.000 χ^2/NDF:152421.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 1127778.7/42

All: 0.000+/-0.000 χ^2/NDF: 7663805.2/86

- sign 0.000+/-0.000 χ^2/NDF: 6145982.8/43



Right In: 0.038+/-0.000 χ^2/NDF: 7138914592.7/17

Left Out: 0.013+/-0.000 χ^2/NDF:37338500367.6/24

Right Out: 0.021+/-0.000 χ^2/NDF: 43188659895.5/20

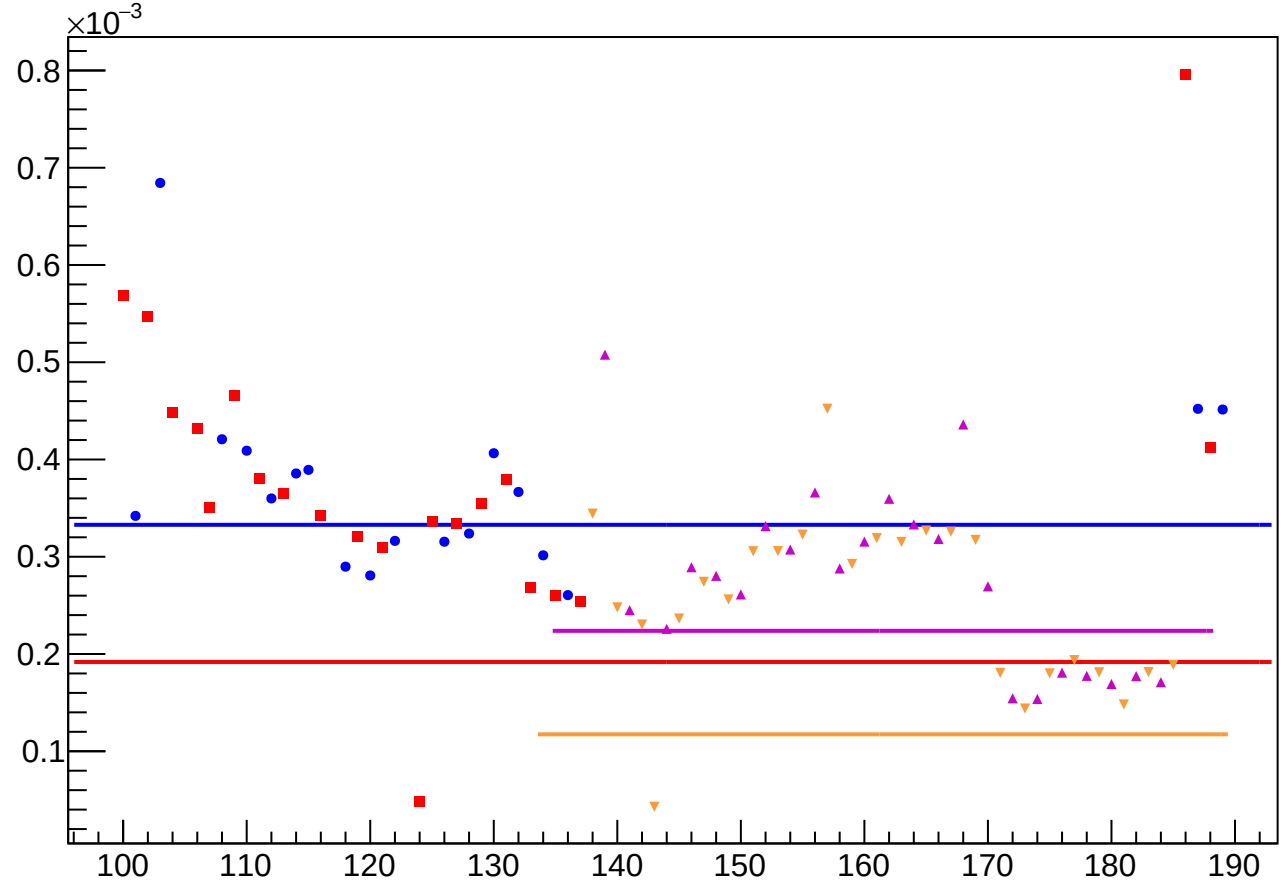
Left In: 0.020+/-0.000 χ^2/NDF:6099907424.9/22

+ sign 0.015+/-0.000 χ^2/NDF: 82112774186.2/42

All: 0.017+/-0.000 χ^2/NDF: 141476851541.7

- sign 0.021+/-0.000 χ^2/NDF: 49291119991.7/43

yield_atl2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 674132.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:14390785.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6679238.9/20

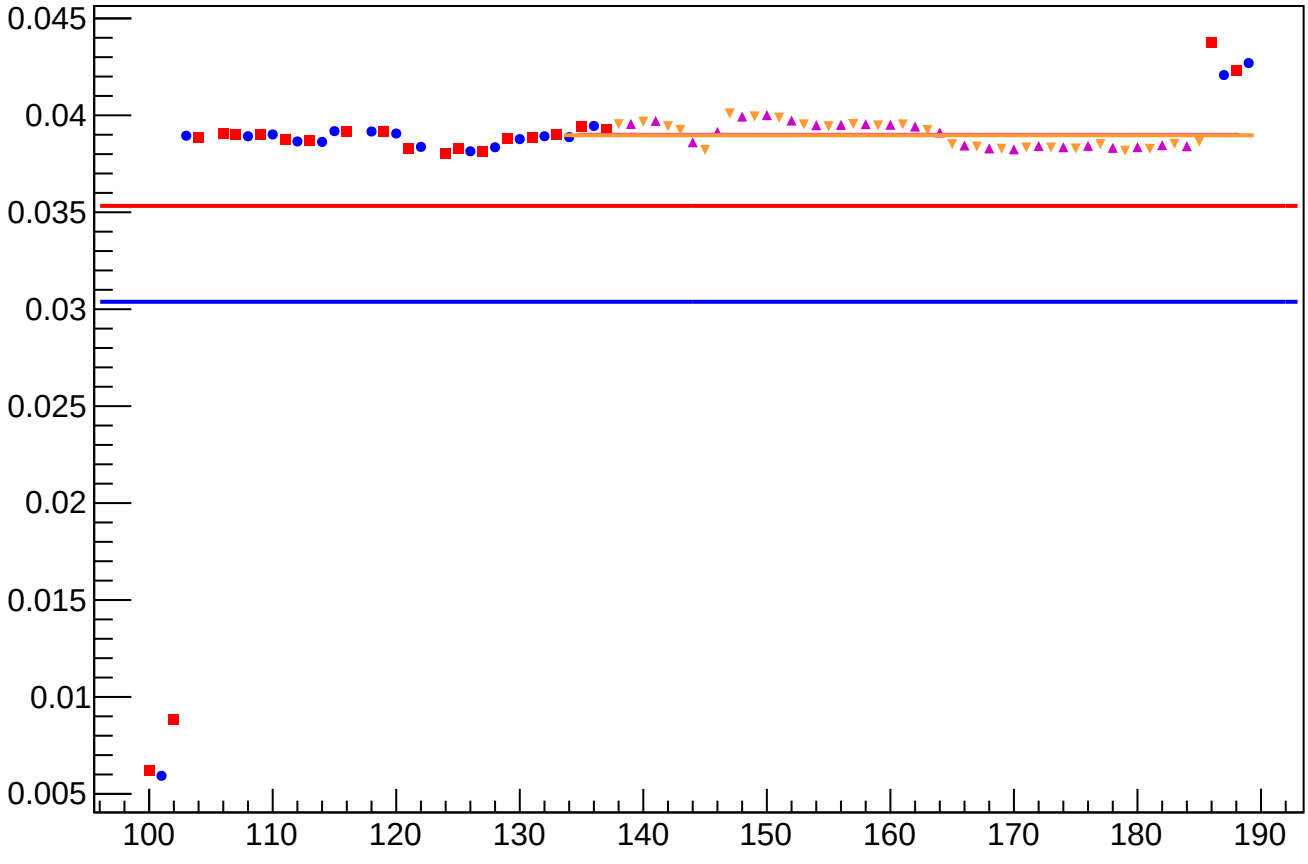
Left In: 0.000+/-0.000 χ^2/NDF:3388230.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 20407940.6/42

All: 0.000+/-0.000 χ^2/NDF: 34296675.0/86

- sign 0.000+/-0.000 χ^2/NDF: 10251870.4/43

yield_atr1_mean vs Slug



Right In: 0.030+/-0.000 χ^2/NDF: 110883577952.2/17

Left Out: 0.039+/-0.000 χ^2/NDF:477670162.8/24

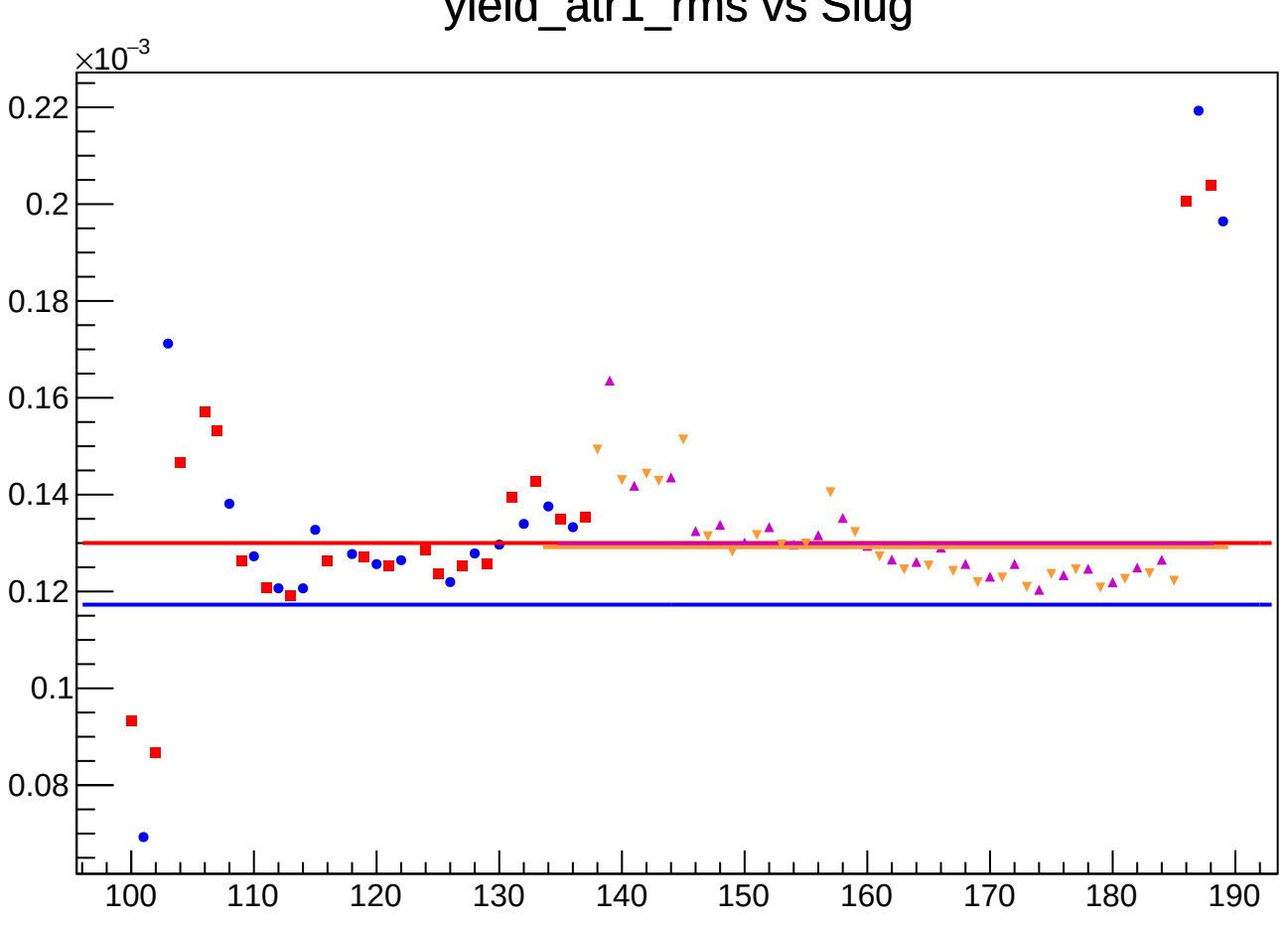
Right Out: 0.035+/-0.000 χ^2/NDF: 49197545673.4/20

Left In: 0.039+/-0.000 χ^2/NDF:408808029.6/22

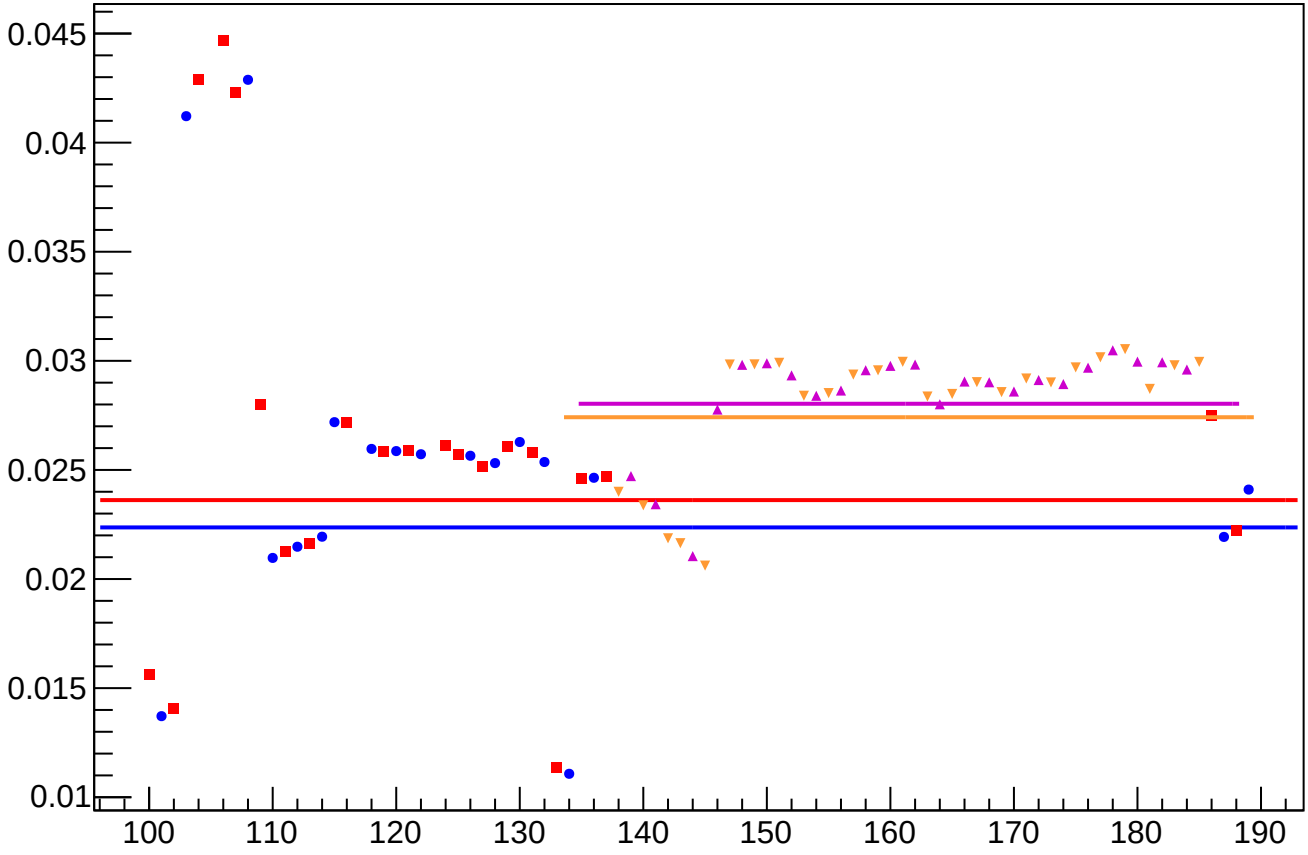
+ sign 0.036+/-0.000 χ^2/NDF: 137798952557.5/42

All: 0.037+/-0.000 χ^2/NDF: 193893587492.5

- sign 0.038+/-0.000 χ^2/NDF: 54042701655.1/43


yield_atr1_rms vs Slug
×10^−3
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1104795.7/17
Left Out: 0.000+/-0.000 χ²/NDF:157557.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 633240.8/20
Left In: 0.000+/-0.000 χ²/NDF:141831.6/22
+ sign 0.000+/-0.000 χ²/NDF: 1363280.8/42
All: 0.000+/-0.000 χ²/NDF: 2170130.5/86
- sign 0.000+/-0.000 χ²/NDF: 775108.8/43

yield_atr2_mean vs Slug



Right In: 0.022+/-0.000 χ^2/NDF: 5024142889.0/17

Left Out: 0.027+/-0.000 χ^2/NDF:2240091851.9/24

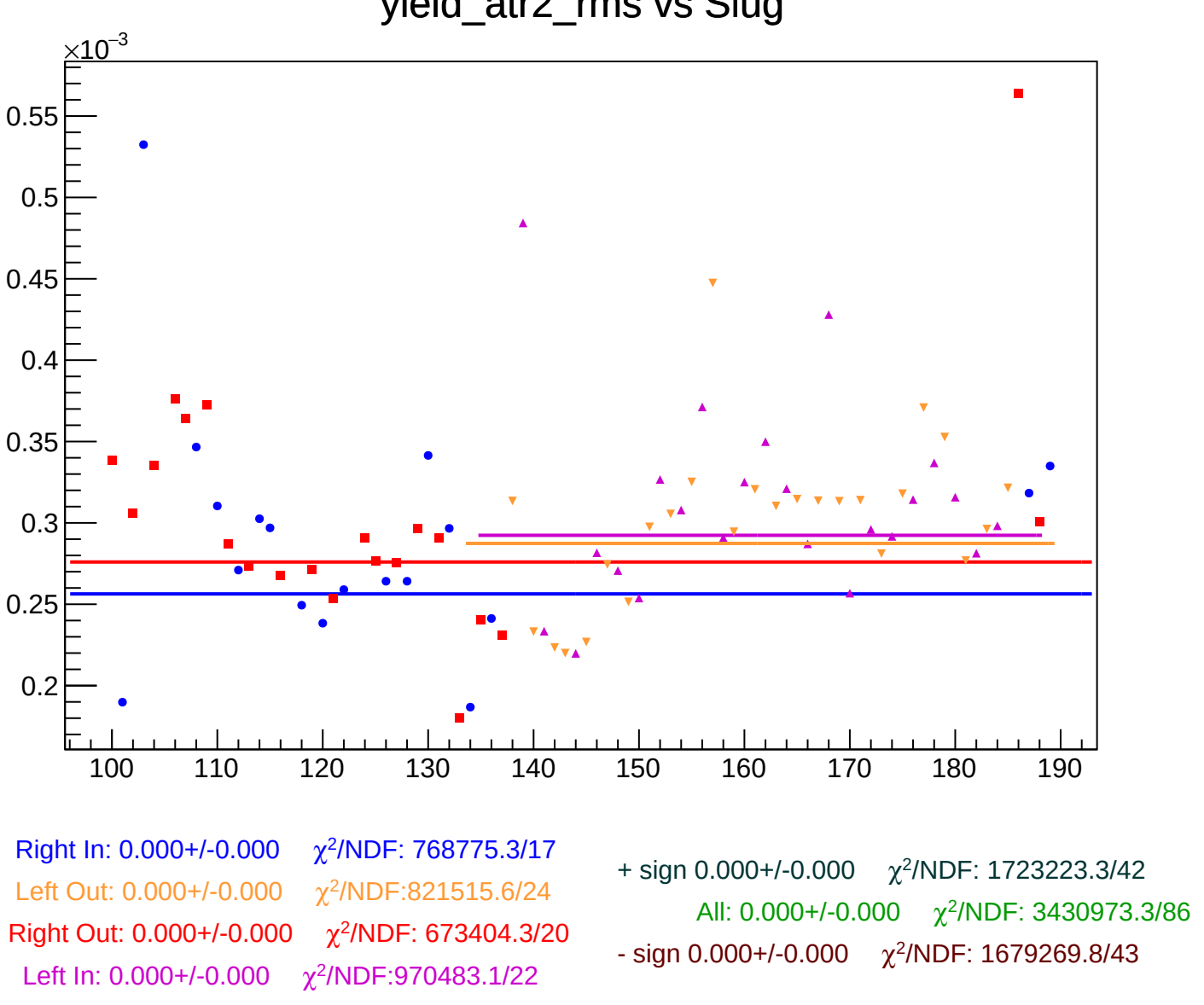
Right Out: 0.024+/-0.000 χ^2/NDF: 5619454259.2/20

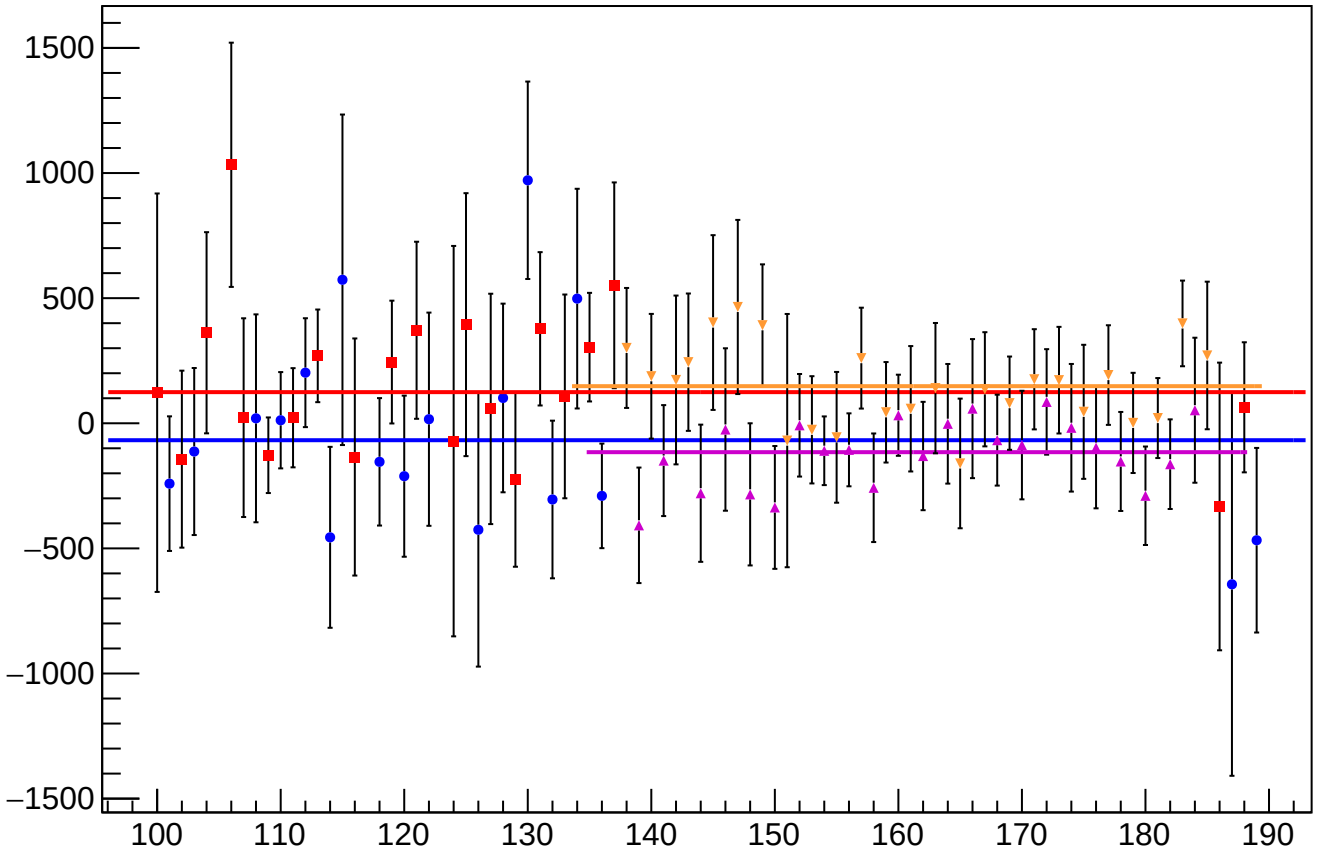
Left In: 0.028+/-0.000 χ^2/NDF:1490587051.3/22

+ sign 0.026+/-0.000 χ^2/NDF: 9024498409.6/42

All: 0.026+/-0.000 χ^2/NDF: 17509986977.6/8

- sign 0.027+/-0.000 χ^2/NDF: 8390658387.3/43


yield_atr2_rms vs Slug
×10⁻³
0.55
0.5
0.45
0.4
0.35
0.3
0.25
0.2
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 768775.3/17
Left Out: 0.000+/-0.000 χ²/NDF:821515.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 673404.3/20
Left In: 0.000+/-0.000 χ²/NDF:970483.1/22
+ sign 0.000+/-0.000 χ²/NDF: 1723223.3/42
All: 0.000+/-0.000 χ²/NDF: 3430973.3/86
- sign 0.000+/-0.000 χ²/NDF: 1679269.8/43



Right In: -67.684+/-74.270 χ^2/NDF: 17.3/17

Left Out: 148.273+/-46.219 χ^2/NDF:10.4/24

Right Out: 124.433+/-65.414 χ^2/NDF: 13.6/20

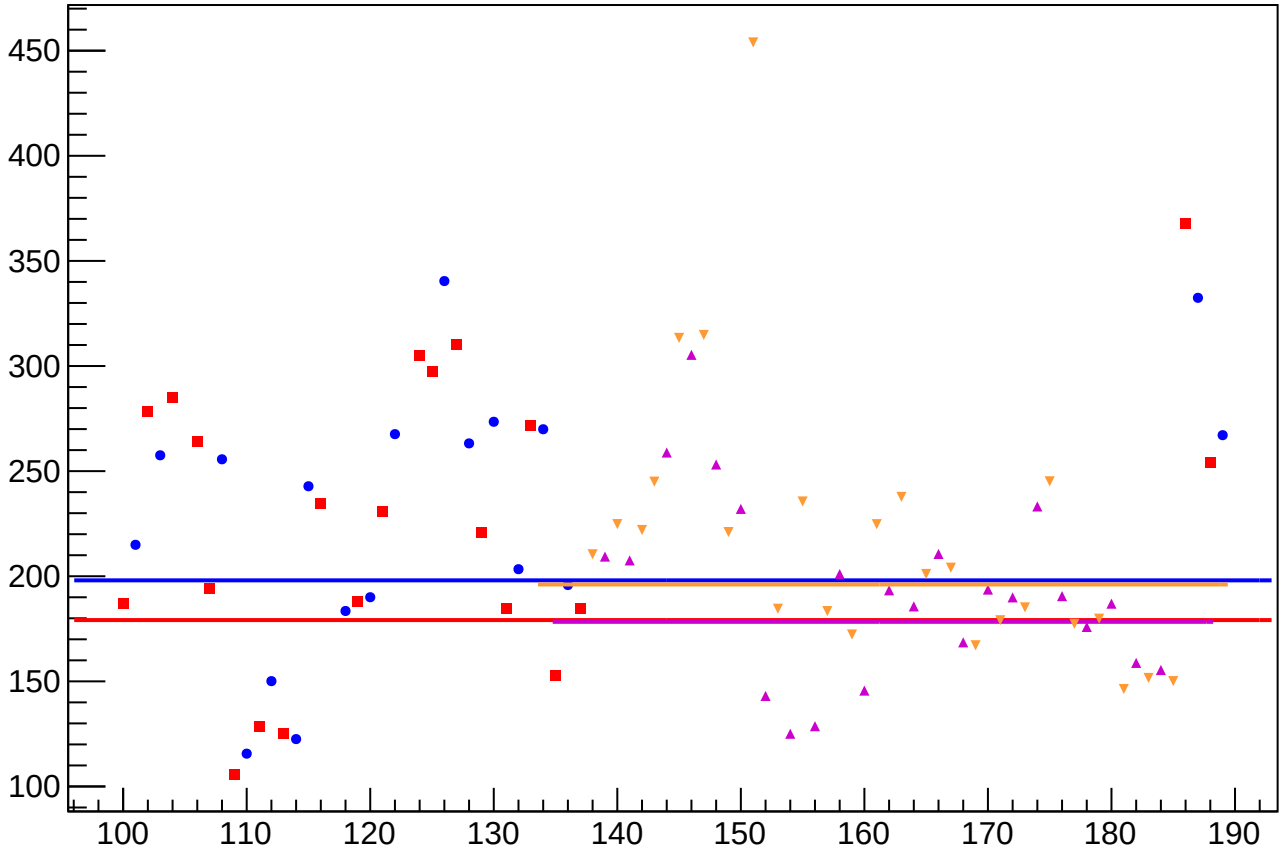
Left In: -115.487+/-43.568 χ^2/NDF:7.8/22

+ sign 87.986+/-39.241 χ^2/NDF: 33.8/42

All: 17.999+/-26.632 χ^2/NDF: 70.4/86

- sign -41.763+/-36.261 χ^2/NDF: 30.7/43

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 198.047+/-0.053 χ^2/NDF: 1186199.6/17

Left Out: 196.087+/-0.033 χ^2/NDF:1818492.9/24

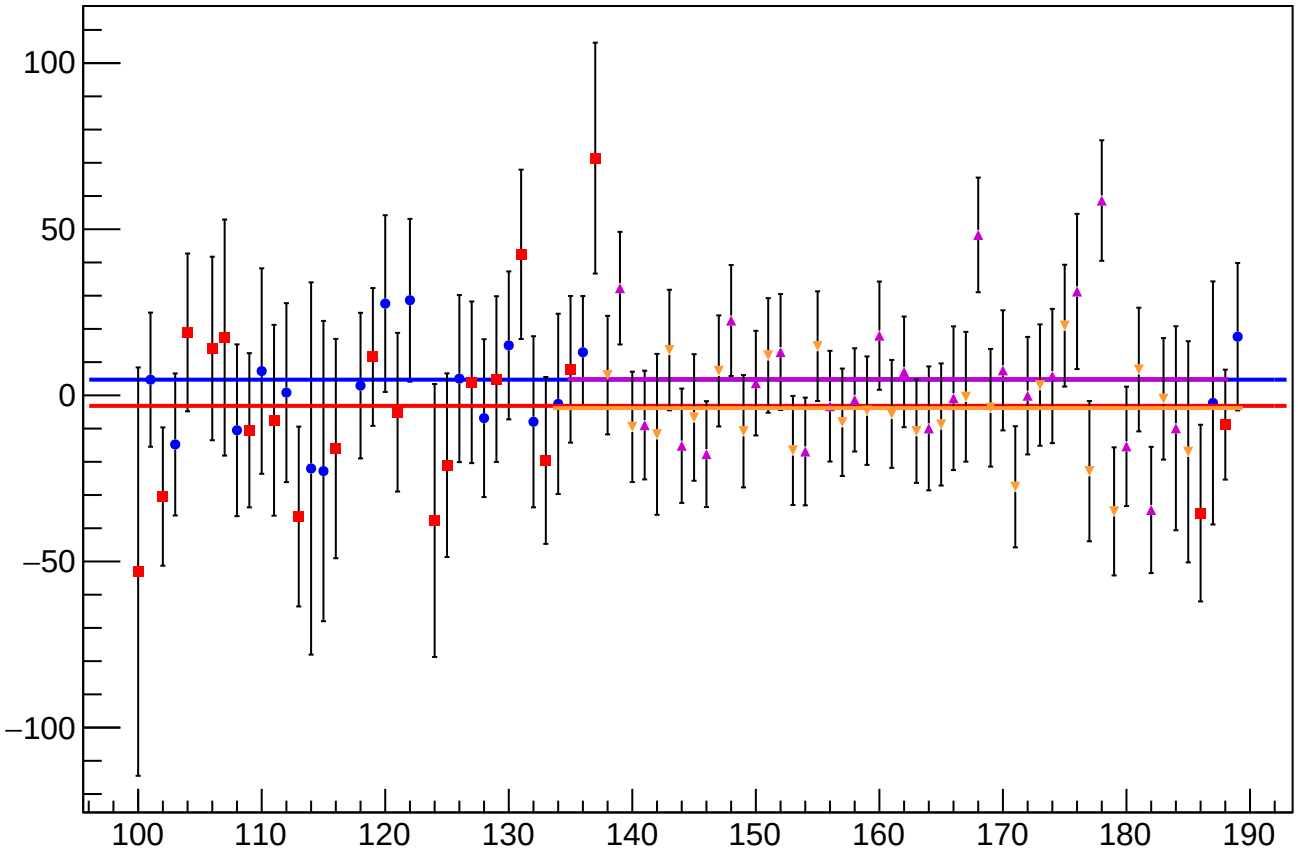
Right Out: 179.152+/-0.046 χ^2/NDF: 2064641.3/20

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

+ sign 196.634+/-0.028 χ^2/NDF: 3005697.4/42

All: 186.892+/-0.019 χ^2/NDF: 6977401.8/86

- sign 178.574+/-0.026 χ^2/NDF: 3743203.1/43



Right In: 4.725+/-5.869 χ^2/NDF: 4.9/17

Left Out: -3.834+/-3.603 χ^2/NDF:12.9/24

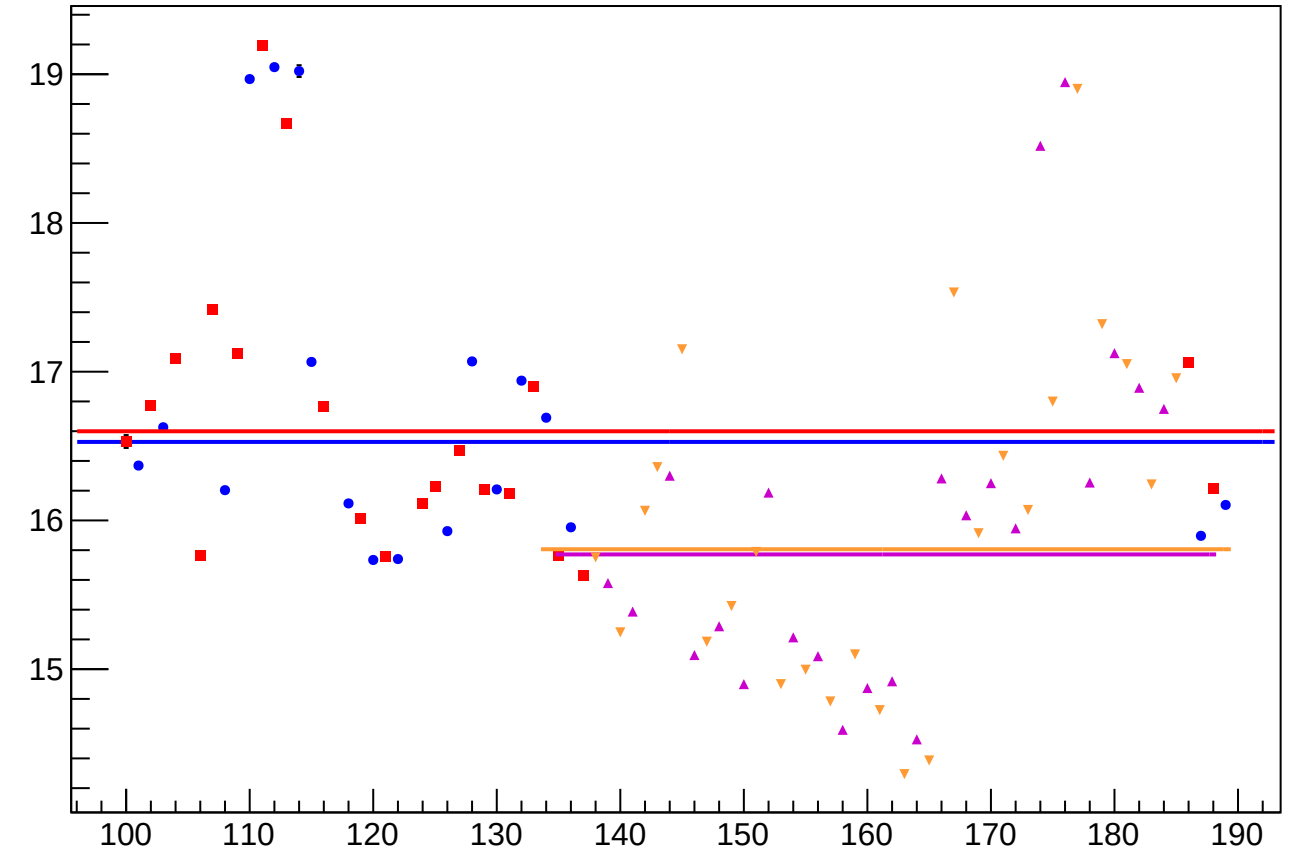
Right Out: -3.161+/-5.577 χ^2/NDF: 17.7/20

Left In: 4.903+/-3.695 χ^2/NDF:33.9/22

\+ sign -1.492+/-3.070 χ^2/NDF: 19.3/42

All: 0.469+/-2.175 χ^2/NDF: 73.1/86

\- sign 2.443+/-3.081 χ^2/NDF: 53.0/43



Right In: 16.528+/-0.004 χ^2/NDF: 46036.1/17

Left Out: 15.806+/-0.003 χ^2/NDF:172651.3/24

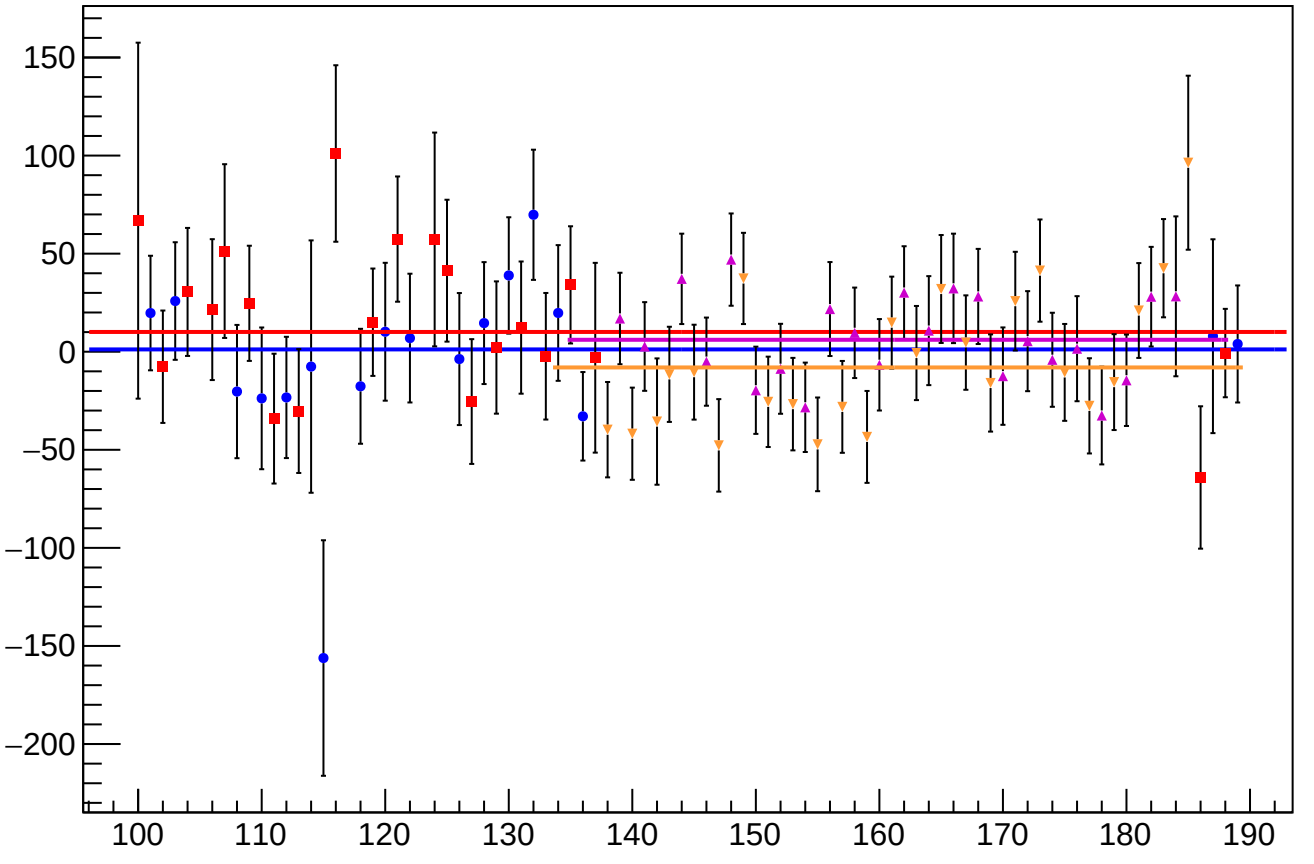
Right Out: 16.599+/-0.004 χ^2/NDF: 45194.9/20

Left In: 15.771+/-0.003 χ^2/NDF:152136.7/22

+ sign 16.004+/-0.002 χ^2/NDF: 240644.7/42

All: 16.014+/-0.002 χ^2/NDF: 468649.1/86

- sign 16.024+/-0.002 χ^2/NDF: 227961.1/43



Right In: 1.177+/-7.742 χ^2/NDF: 18.7/17

Left Out: -8.016+/-4.956 χ^2/NDF:38.9/24

Right Out: 10.079+/-7.345 χ^2/NDF: 20.2/20

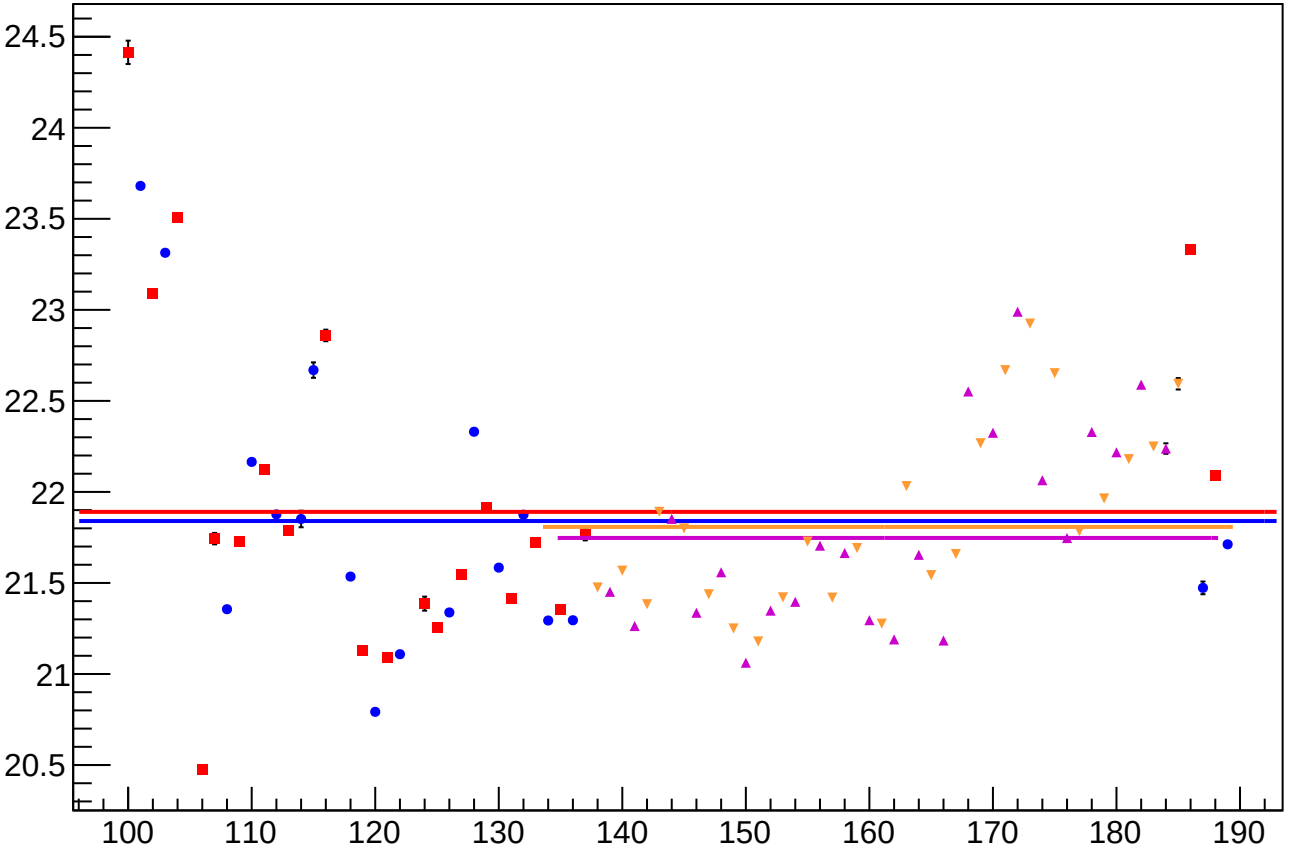
Left In: 6.086+/-5.080 χ^2/NDF:17.9/22

\+ sign -5.344+/-4.174 χ^2/NDF: 58.5/42

All: 1.011+/-2.953 χ^2/NDF: 101.4/86

\- sign 7.378+/-4.178 χ^2/NDF: 38.3/43

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.840+/-0.005 χ^2/NDF: 19626.7/17

Left Out: 21.808+/-0.004 χ^2/NDF:17561.0/24

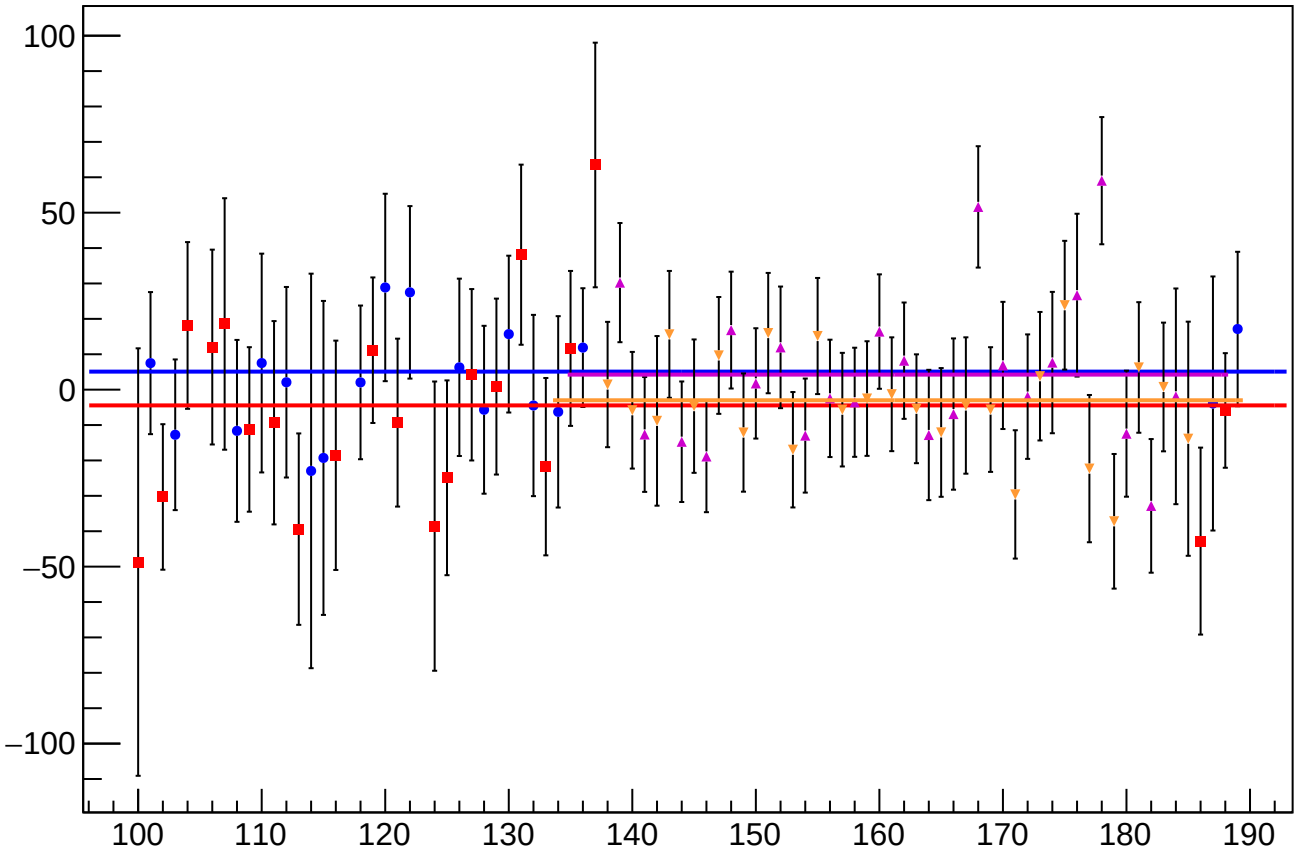
Right Out: 21.890+/-0.005 χ^2/NDF: 22452.5/20

Left In: 21.747+/-0.004 χ^2/NDF:20560.9/22

+ sign 21.817+/-0.003 χ^2/NDF: 37212.6/42

All: 21.805+/-0.002 χ^2/NDF: 80771.9/86

- sign 21.794+/-0.003 χ^2/NDF: 43527.6/43



Right In: 5.095+/-5.829 χ^2/NDF: 4.7/17

Left Out: -3.002+/-3.569 χ^2/NDF:14.6/24

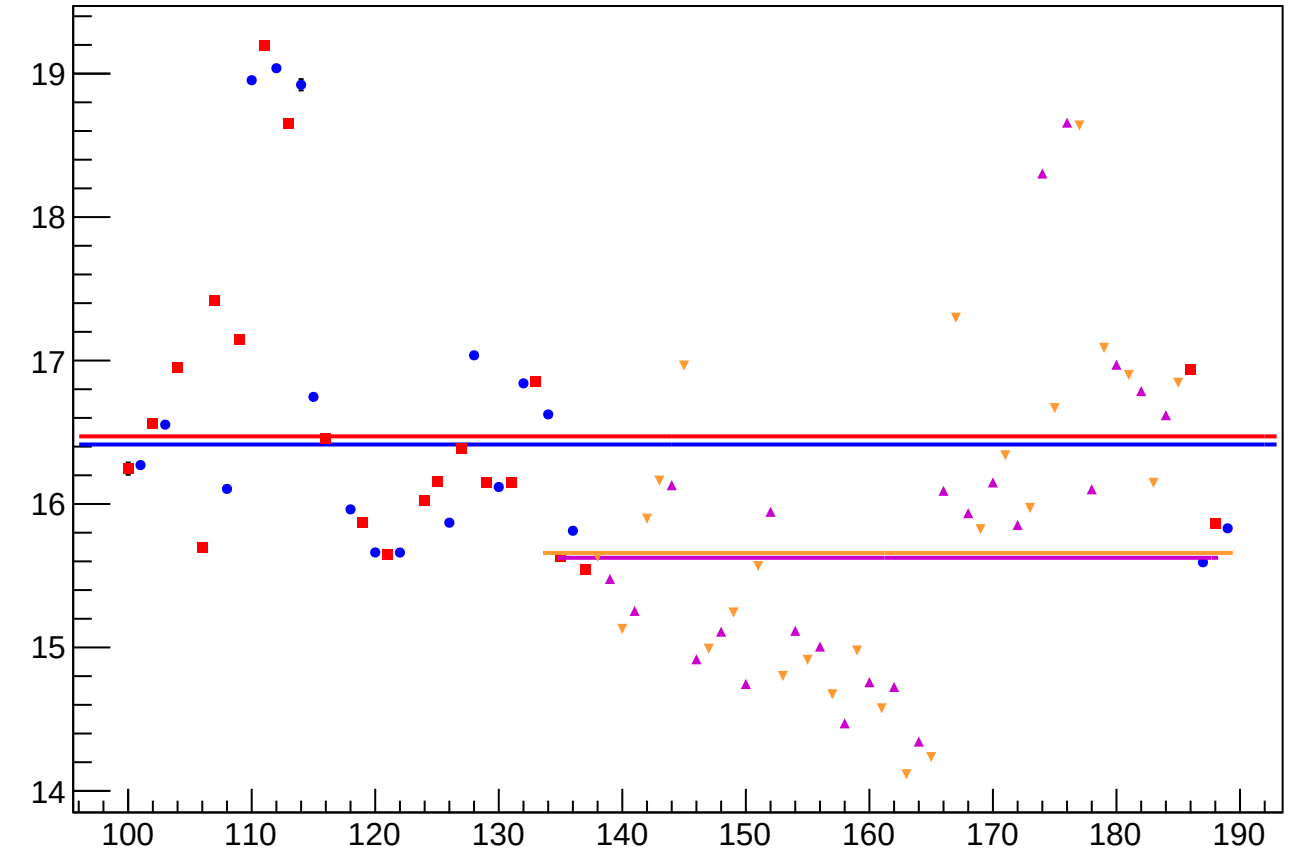
Right Out: -4.449+/-5.535 χ^2/NDF: 17.6/20

Left In: 4.249+/-3.661 χ^2/NDF:33.8/22

+ sign -0.795+/-3.044 χ^2/NDF: 20.7/42

All: 0.400+/-2.156 χ^2/NDF: 74.2/86

- sign 1.602+/-3.053 χ^2/NDF: 53.2/43



Right In: 16.415+/-0.004 χ^2/NDF: 49930.5/17

Left Out: 15.659+/-0.003 χ^2/NDF:169838.6/24

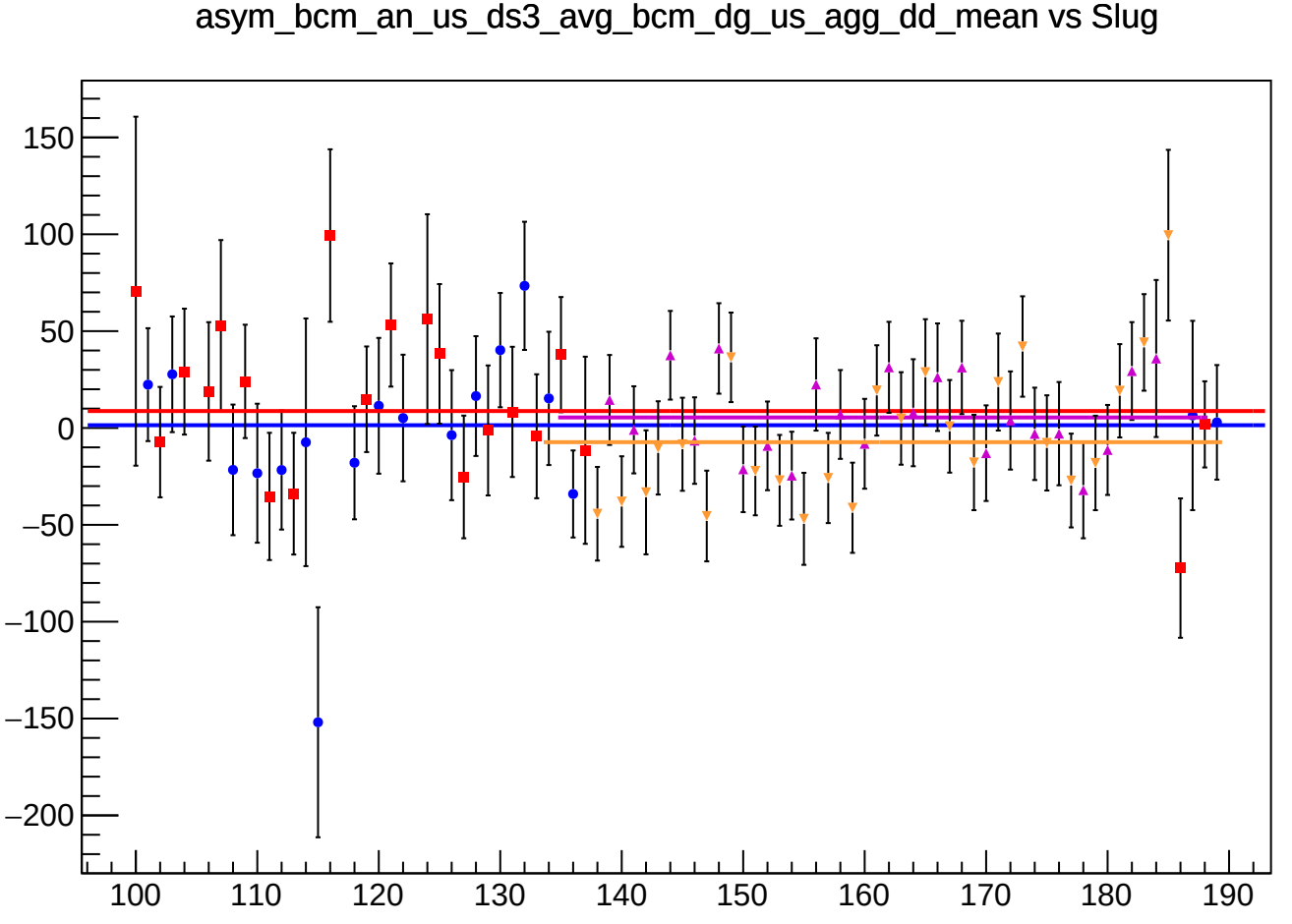
Right Out: 16.471+/-0.004 χ^2/NDF: 50098.7/20

Left In: 15.625+/-0.003 χ^2/NDF:150431.7/22

+ sign 15.865+/-0.002 χ^2/NDF: 244231.7/42

All: 15.874+/-0.002 χ^2/NDF: 477325.4/86

- sign 15.883+/-0.002 χ^2/NDF: 233060.5/43



Right In: 1.433+/-7.704 χ^2/NDF: 19.4/17

Left Out: -7.318+/-4.929 χ^2/NDF:38.6/24

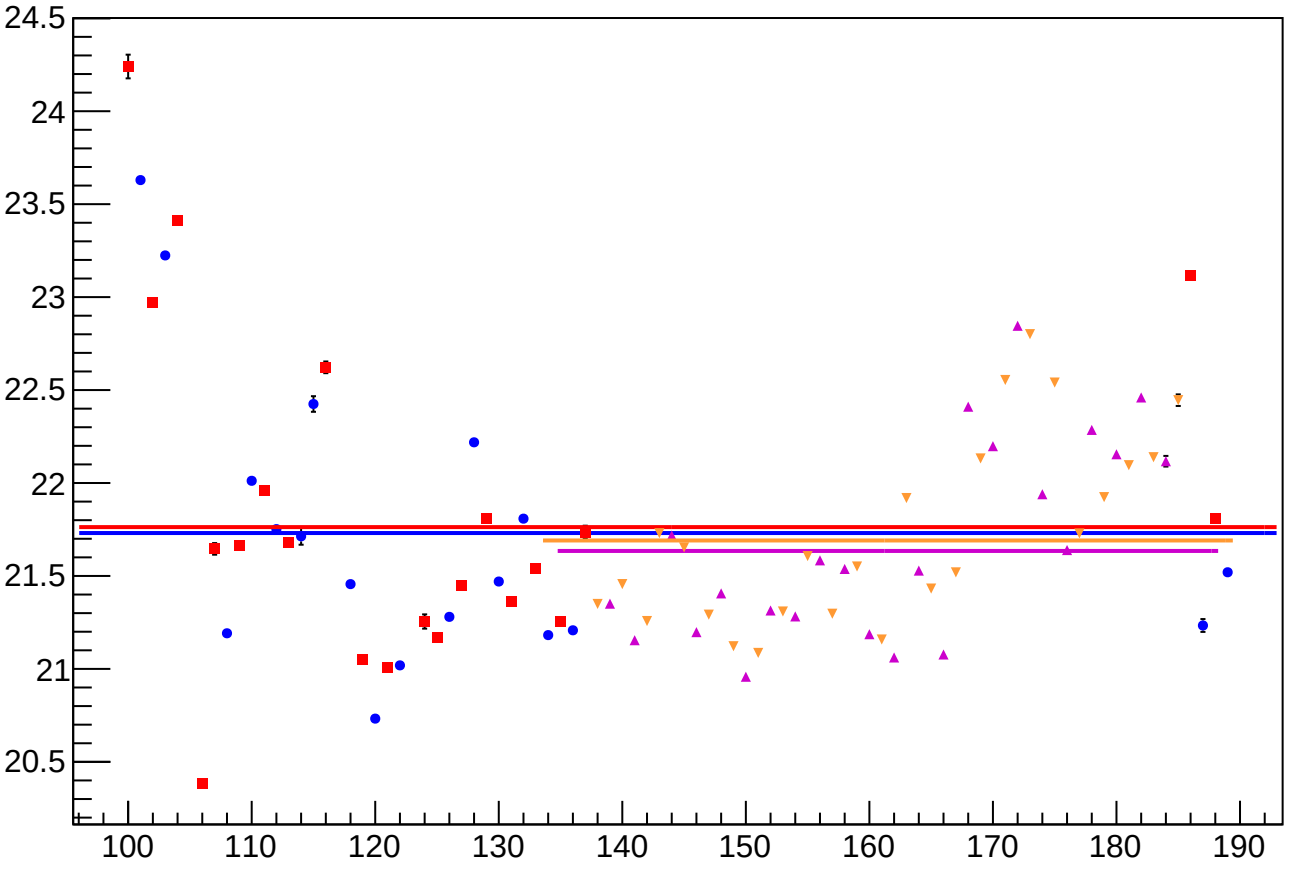
Right Out: 8.751+/-7.302 χ^2/NDF: 21.5/20

Left In: 5.435+/-5.054 χ^2/NDF:17.3/22

\+ sign -4.776+/-4.152 χ^2/NDF: 59.0/42

All: 0.862+/-2.937 χ^2/NDF: 101.5/86

\- sign 6.509+/-4.155 χ^2/NDF: 38.9/43



Right In: 21.731+/-0.005 χ^2/NDF: 20081.0/17

Left Out: 21.691+/-0.003 χ^2/NDF:17934.9/24

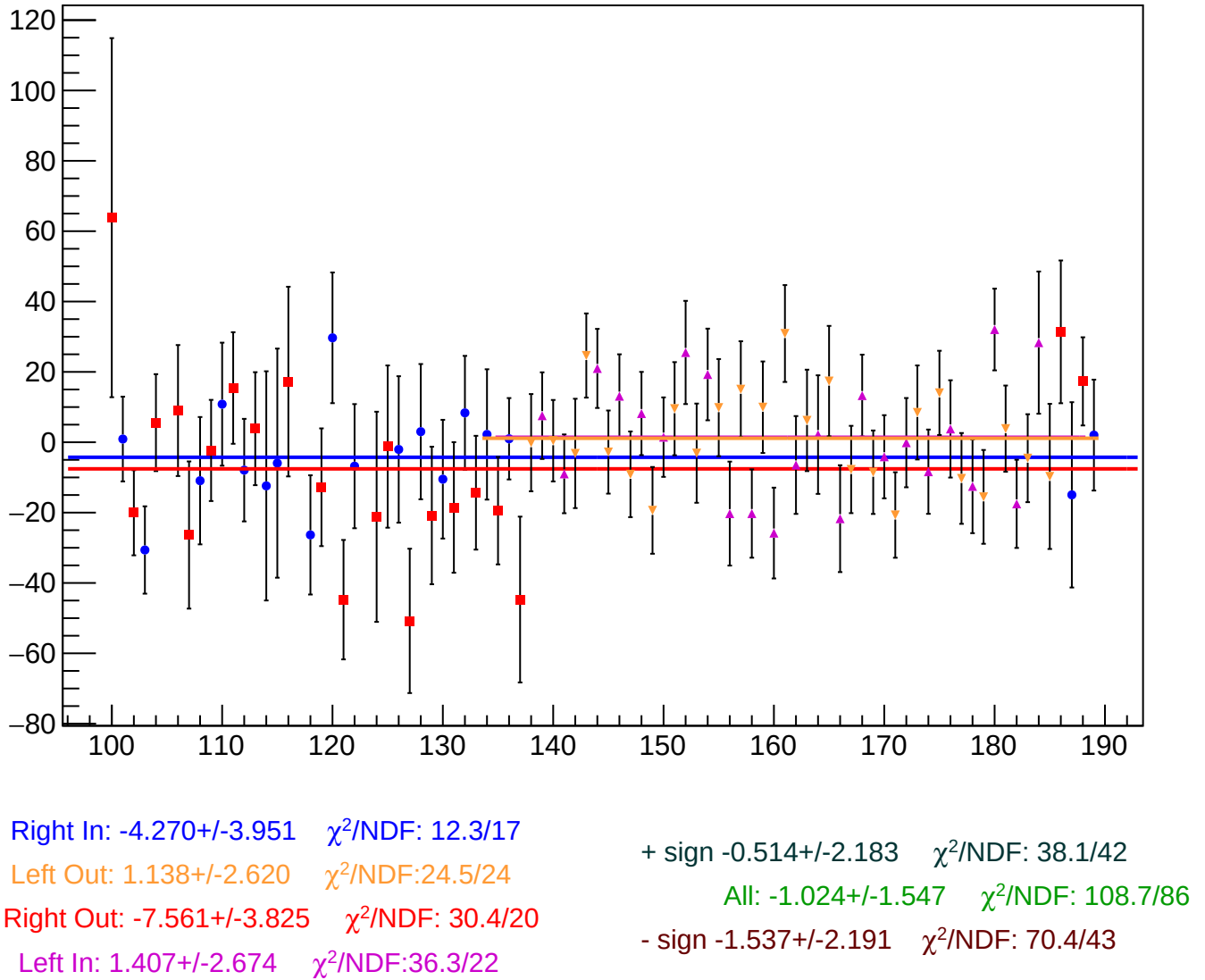
Right Out: 21.763+/-0.005 χ^2/NDF: 21331.3/20

Left In: 21.635+/-0.004 χ^2/NDF:20561.5/22

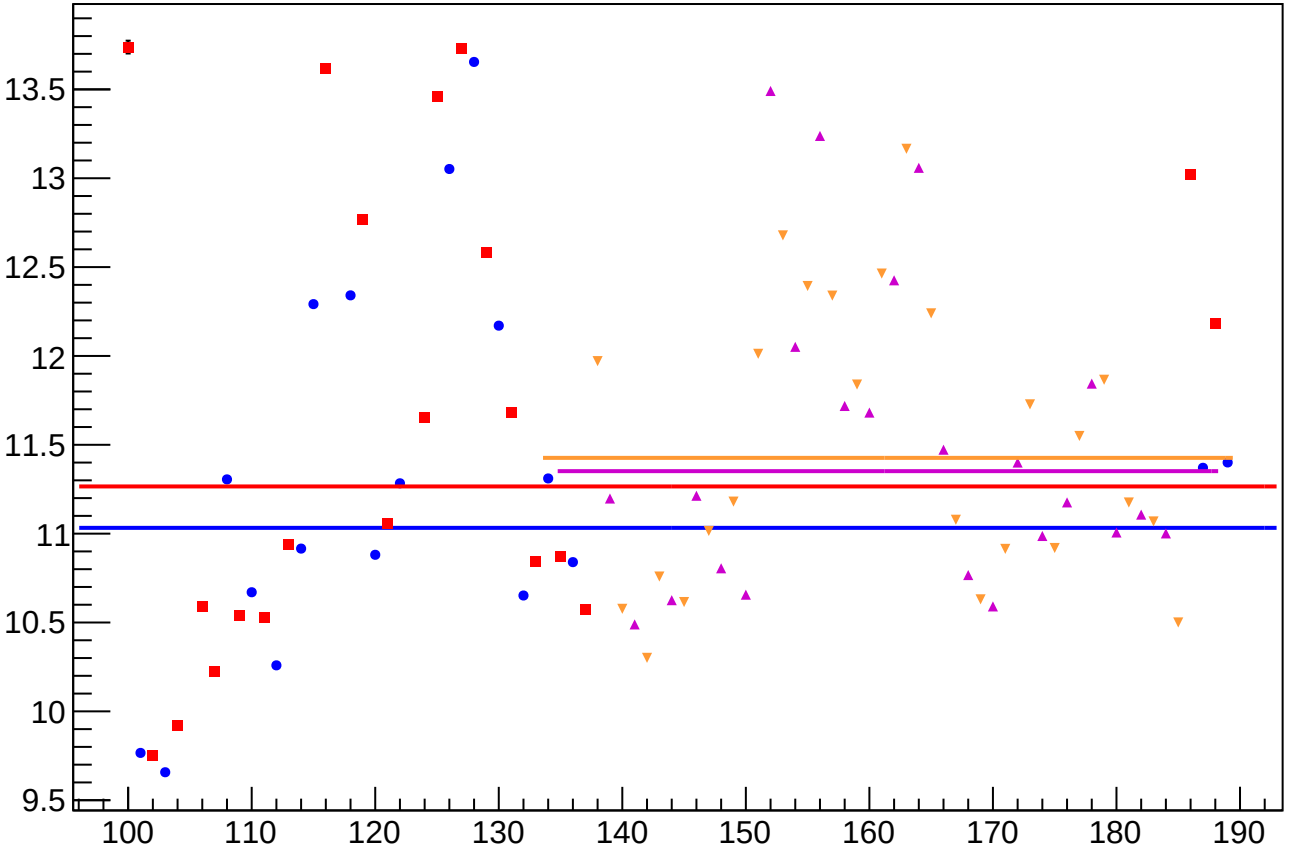
\+ sign 21.702+/-0.003 χ^2/NDF: 38054.2/42

All: 21.689+/-0.002 χ^2/NDF: 80404.6/86

\- sign 21.676+/-0.003 χ^2/NDF: 42309.9/43


asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug
120
100
80
60
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
170
180
190
Right In: -4.270+/-3.951 χ²/NDF: 12.3/17
Left Out: 1.138+/-2.620 χ²/NDF:24.5/24
Right Out: -7.561+/-3.825 χ²/NDF: 30.4/20
Left In: 1.407+/-2.674 χ²/NDF:36.3/22
+ sign -0.514+/-2.183 χ²/NDF: 38.1/42
All: -1.024+/-1.547 χ²/NDF: 108.7/86
- sign -1.537+/-2.191 χ²/NDF: 70.4/43

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.033+/-0.003 χ^2/NDF: 137710.8/17

Left Out: 11.426+/-0.002 χ^2/NDF:156973.4/24

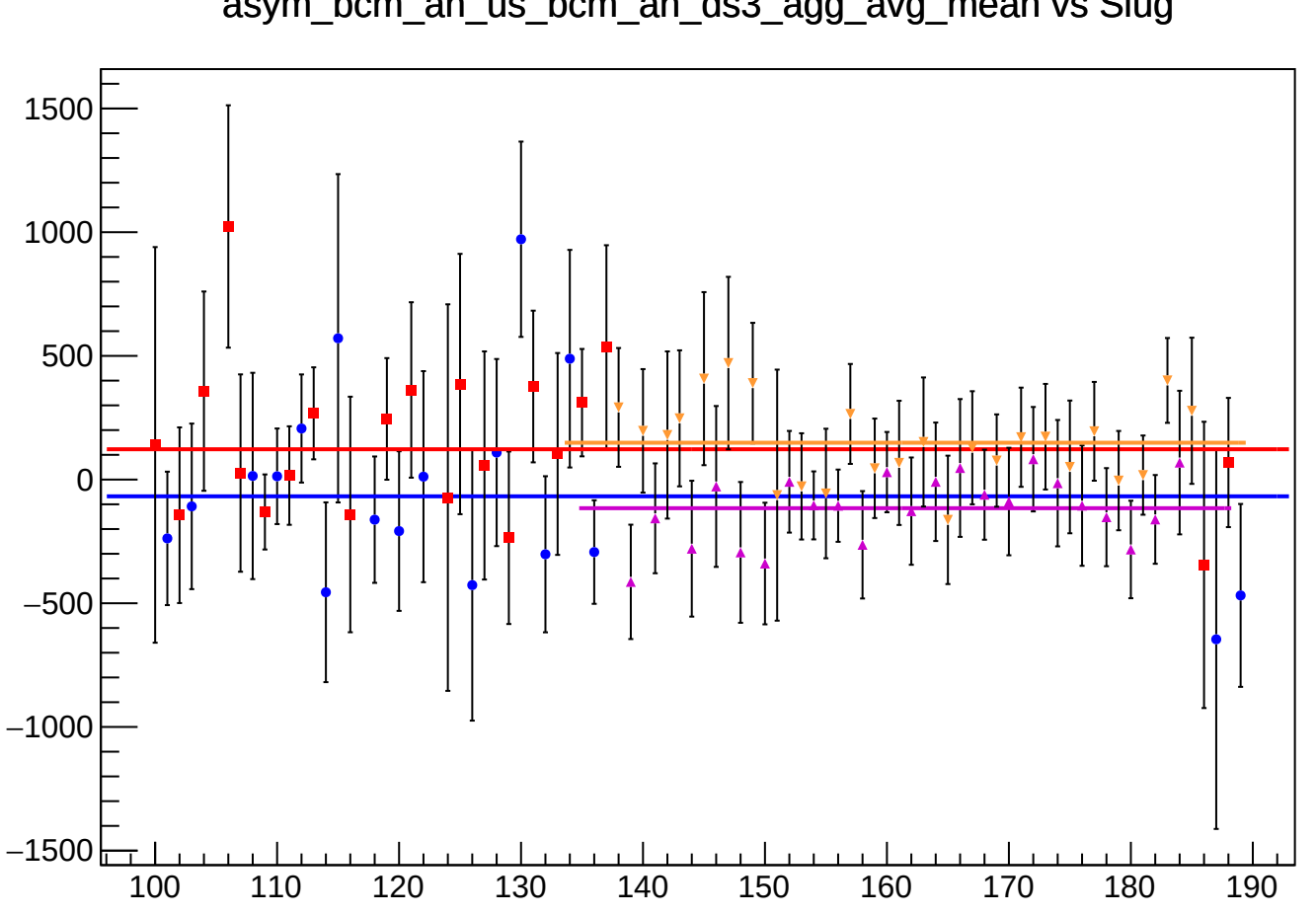
Right Out: 11.266+/-0.003 χ^2/NDF: 192043.7/20

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

+ sign 11.306+/-0.002 χ^2/NDF: 308490.7/42

All: 11.315+/-0.001 χ^2/NDF: 671840.7/86

- sign 11.323+/-0.002 χ^2/NDF: 363287.5/43



Right In: -67.666+/-74.487 χ^2/NDF: 17.3/17

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

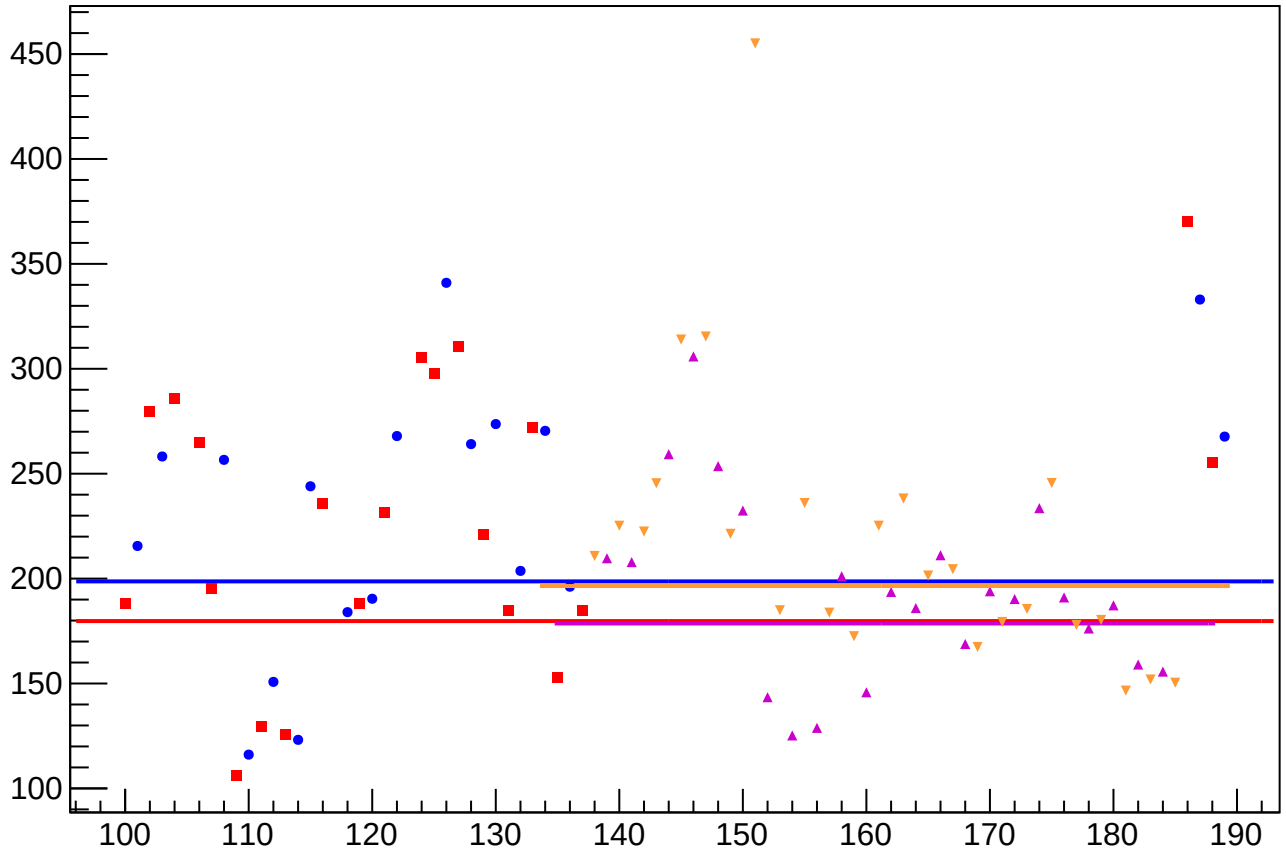
Right Out: 122.563+/-65.625 χ^2/NDF: 13.6/20

Left In: -115.709+/-43.641 χ^2/NDF:7.8/22

+ sign 88.536+/-39.326 χ^2/NDF: 33.8/42

All: 17.773+/-26.689 χ^2/NDF: 70.4/86

- sign -42.648+/-36.339 χ^2/NDF: 30.5/43



Right In: 198.670+/-0.053 χ^2/NDF: 1179442.0/17

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

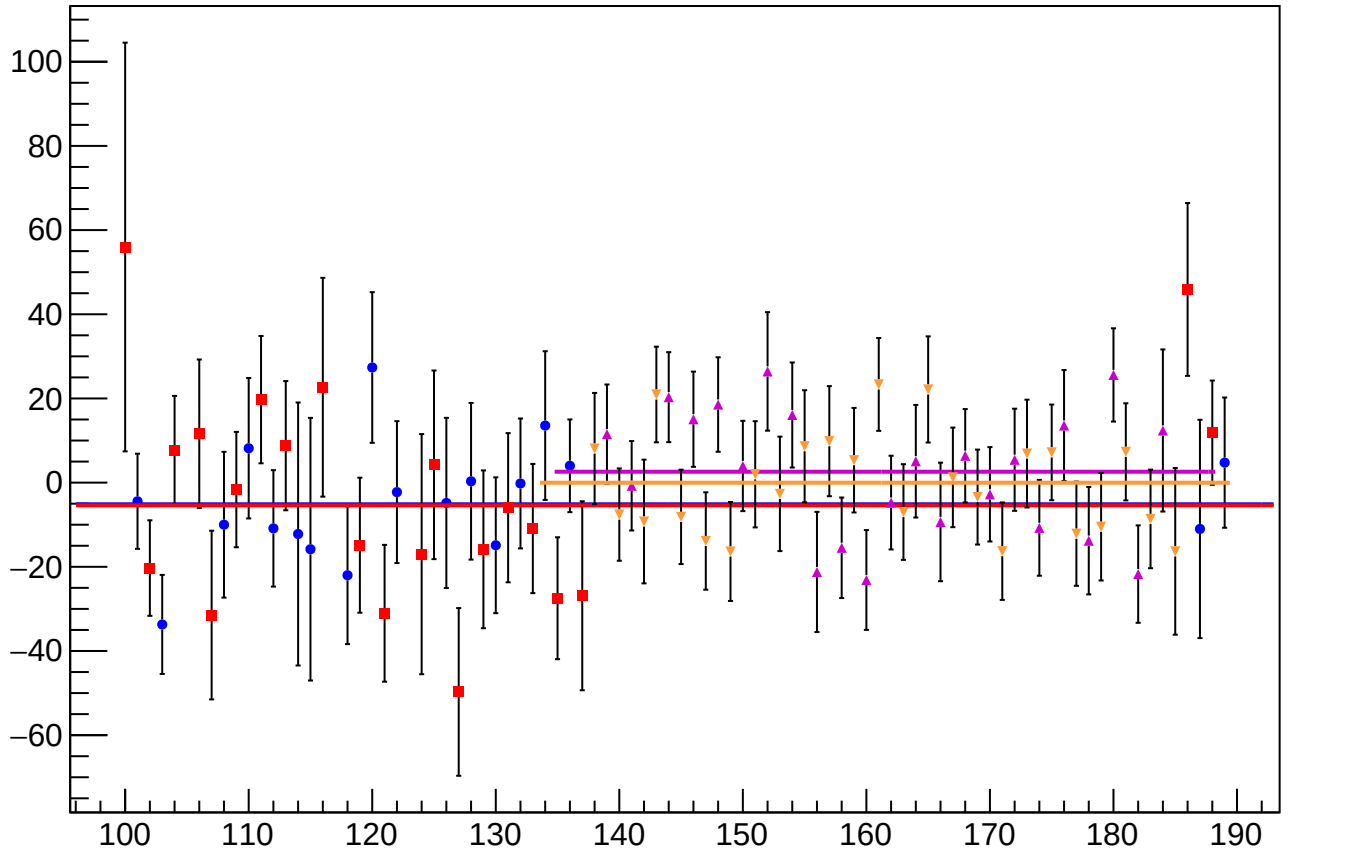
Right Out: 179.755+/-0.046 χ^2/NDF: 2060807.7/20

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

+ sign 197.072+/-0.028 χ^2/NDF: 2999464.8/42

All: 187.304+/-0.019 χ^2/NDF: 6968290.5/86

- sign 178.964+/-0.026 χ^2/NDF: 3740086.6/43



Right In: -5.150+/-3.777 χ^2/NDF: 14.2/17

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

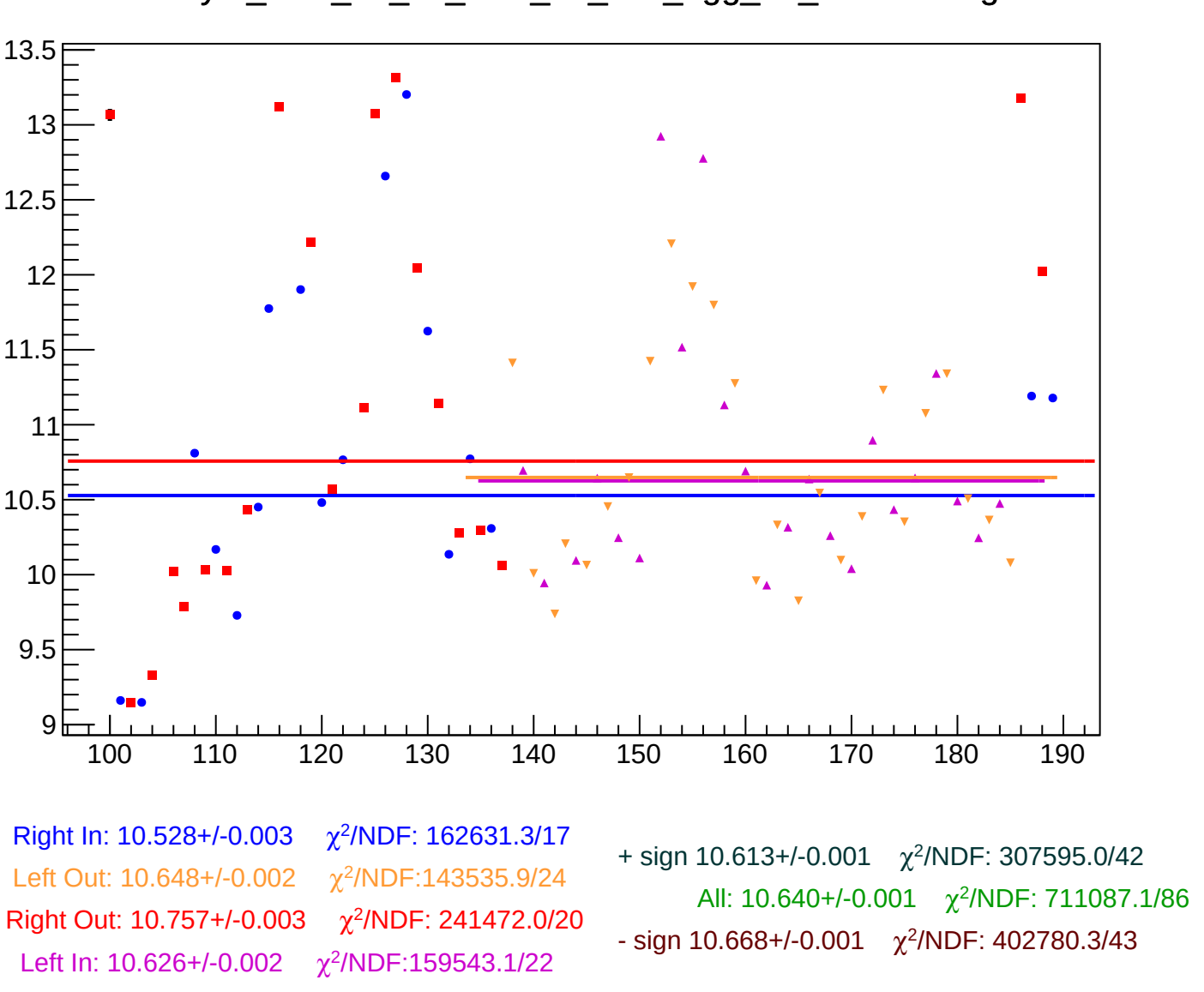
Right Out: -5.396+/-3.661 χ^2/NDF: 31.8/20

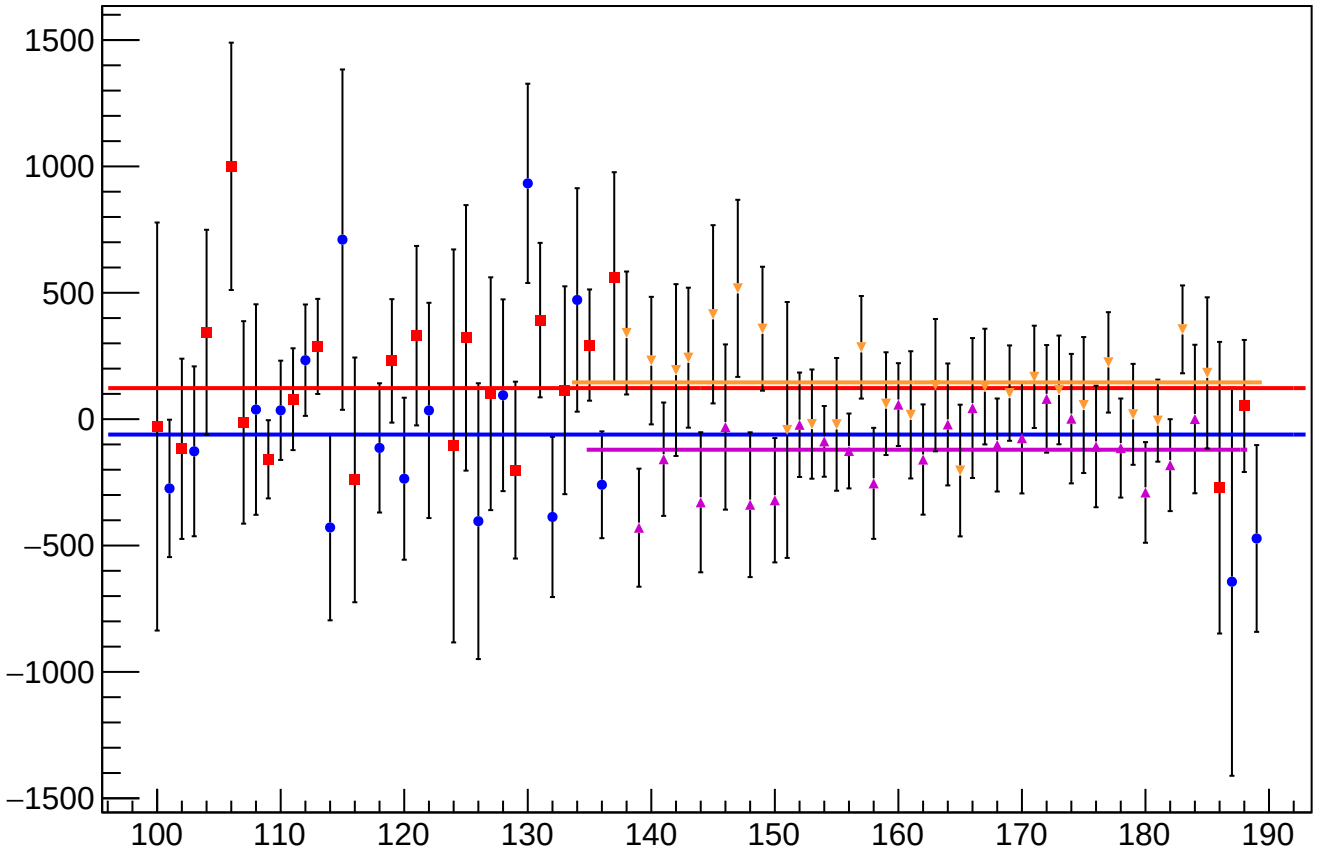
Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

+ sign -1.533+/-2.052 χ^2/NDF: 39.2/42

All: -0.751+/-1.457 χ^2/NDF: 109.3/86

- sign 0.043+/-2.068 χ^2/NDF: 69.8/43


asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug
13.5
13
12.5
12
11.5
11
10.5
10
9.5
9
100
110
120
130
140
150
160
170
180
190
Right In: 10.528+/-0.003 χ²/NDF: 162631.3/17
Left Out: 10.648+/-0.002 χ²/NDF:143535.9/24
Right Out: 10.757+/-0.003 χ²/NDF: 241472.0/20
Left In: 10.626+/-0.002 χ²/NDF:159543.1/22
+ sign 10.613+/-0.001 χ²/NDF: 307595.0/42
All: 10.640+/-0.001 χ²/NDF: 711087.1/86
- sign 10.668+/-0.001 χ²/NDF: 402780.3/43



Right In: -60.890+/-74.942 χ^2/NDF: 17.6/17

Left Out: 145.545+/-46.613 χ^2/NDF:10.3/24

Right Out: 122.857+/-66.169 χ^2/NDF: 13.5/20

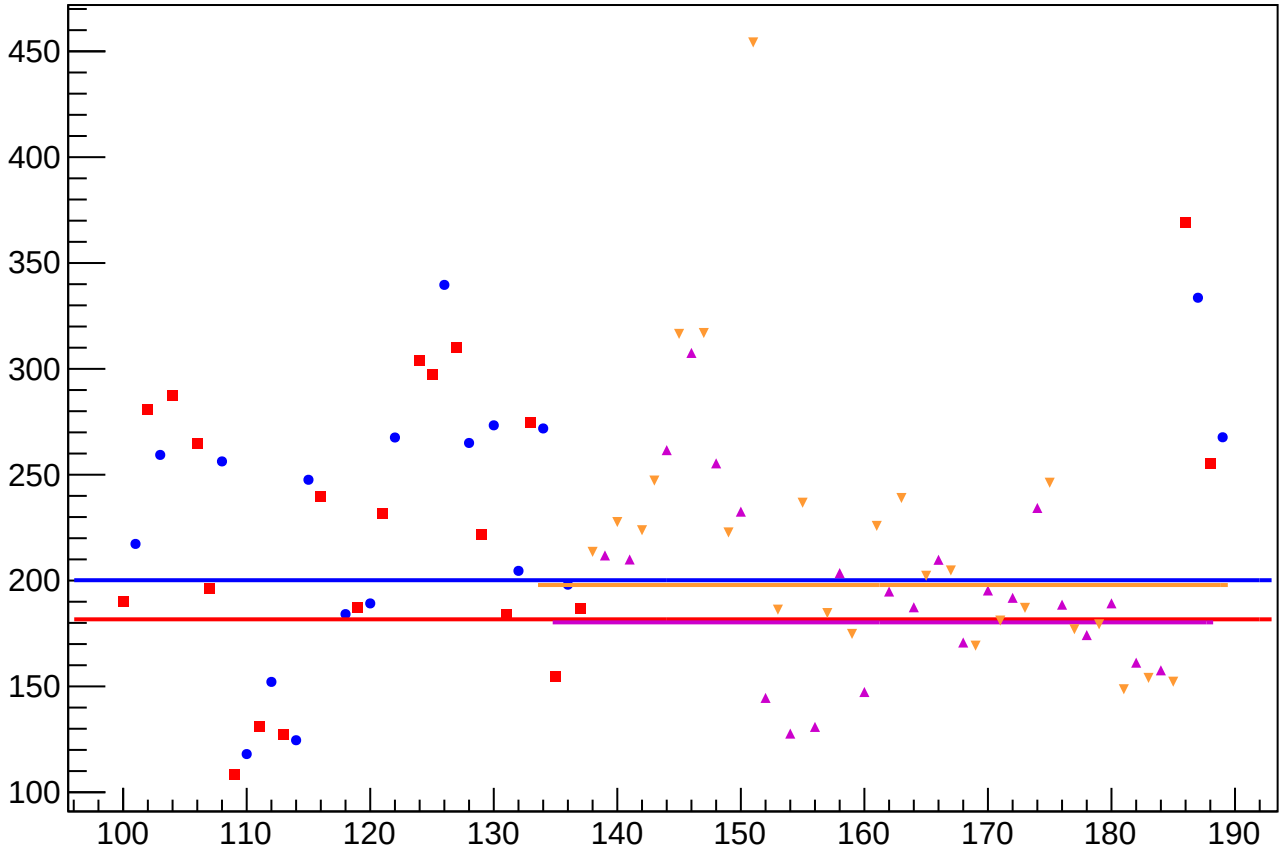
Left In: -120.888+/-43.994 χ^2/NDF:8.2/22

+ sign 87.960+/-39.581 χ^2/NDF: 33.3/42

All: 15.720+/-26.886 χ^2/NDF: 70.6/86

- sign -46.168+/-36.636 χ^2/NDF: 31.1/43

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 200.163+/-0.053 χ^2/NDF: 1144306.6/17

Left Out: 197.890+/-0.033 χ^2/NDF:1788849.3/24

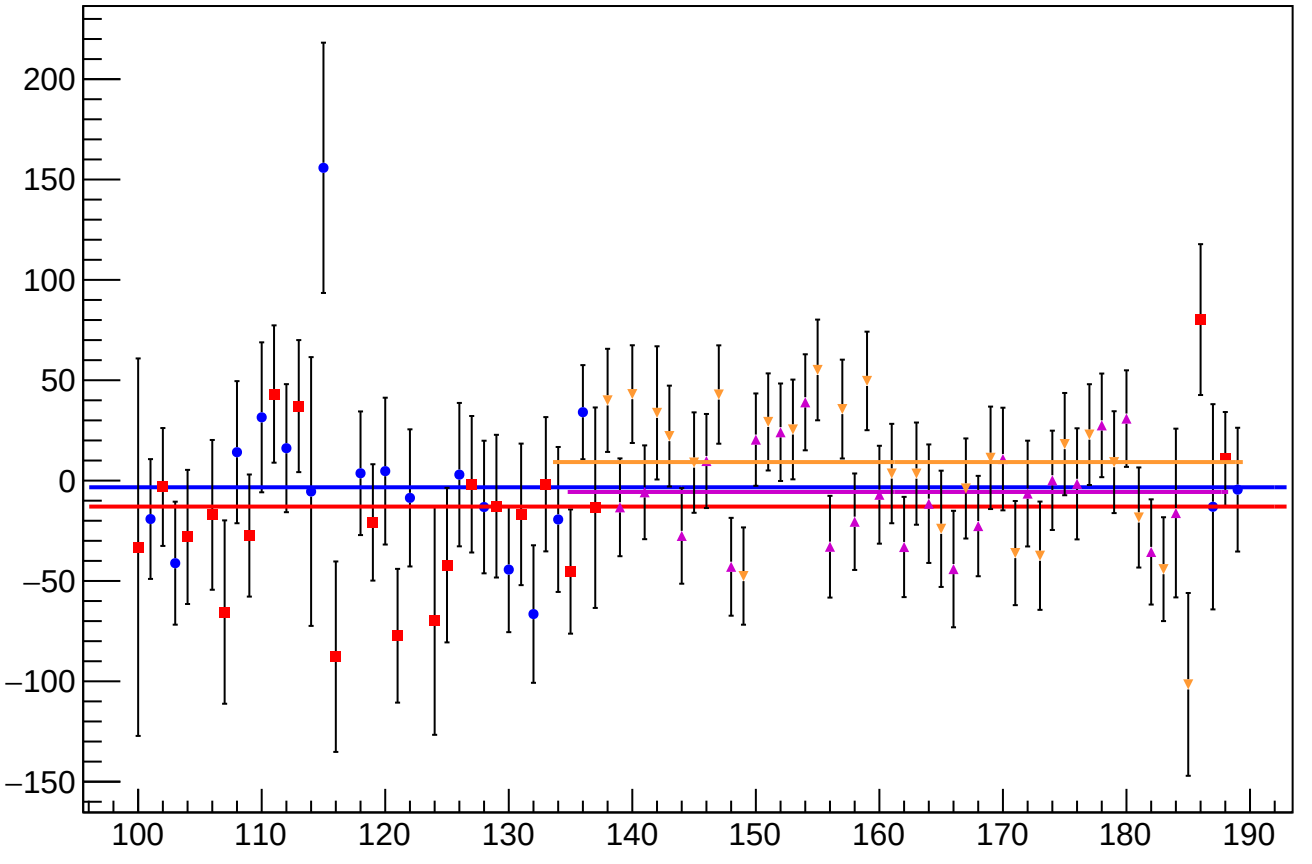
Right Out: 181.687+/-0.047 χ^2/NDF: 1994430.0/20

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

+ sign 198.524+/-0.028 χ^2/NDF: 2934482.2/42

All: 188.918+/-0.019 χ^2/NDF: 6776054.7/86

- sign 180.689+/-0.026 χ^2/NDF: 3622862.6/43



Right In: -3.323+/-8.051 χ^2/NDF: 18.0/17

Left Out: 9.234+/-5.162 χ^2/NDF:39.4/24

Right Out: -12.941+/-7.652 χ^2/NDF: 23.3/20

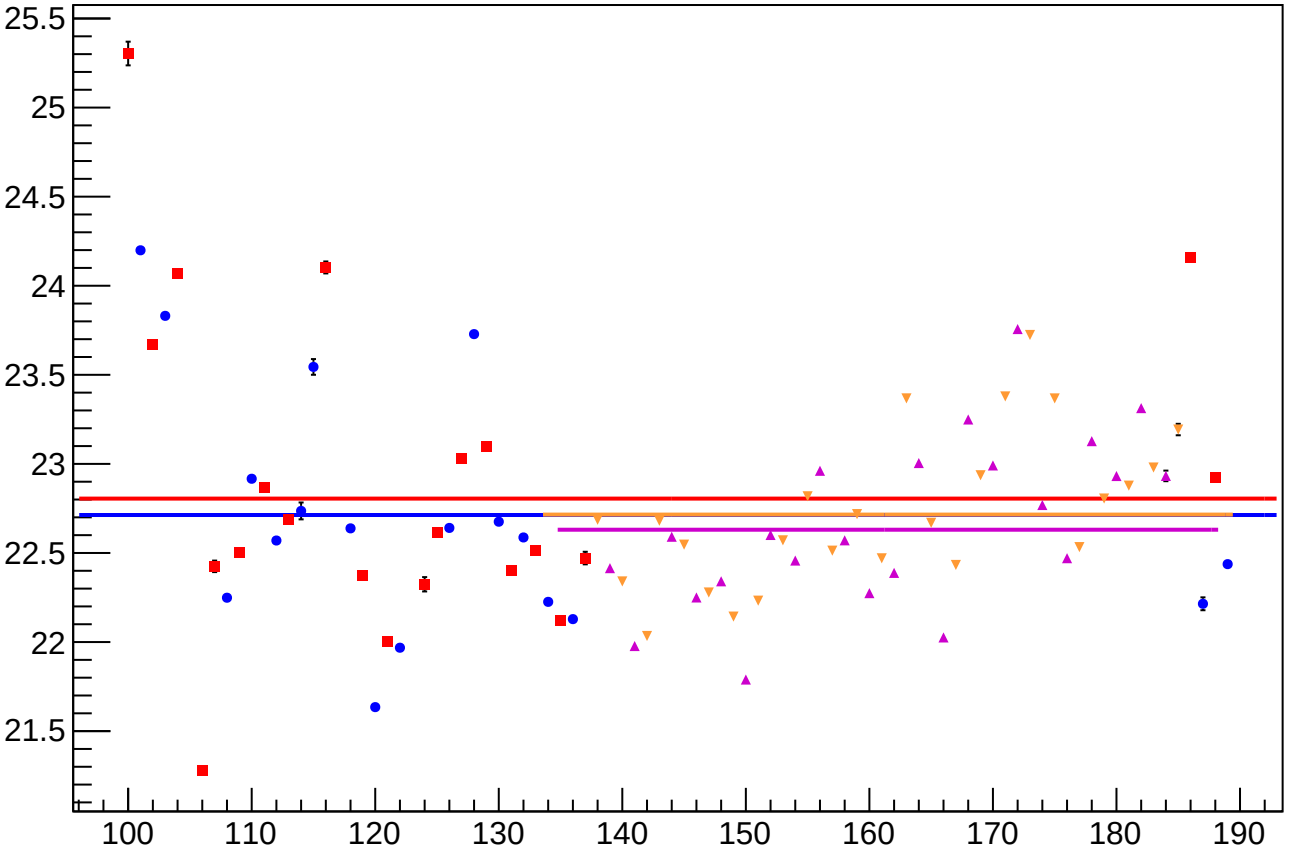
Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

+ sign 5.576+/-4.346 χ^2/NDF: 59.1/42

All: -1.215+/-3.074 χ^2/NDF: 108.7/86

- sign -8.018+/-4.349 χ^2/NDF: 44.7/43

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.713+/-0.006 χ^2/NDF: 15005.8/17

Left Out: 22.715+/-0.004 χ^2/NDF:12181.4/24

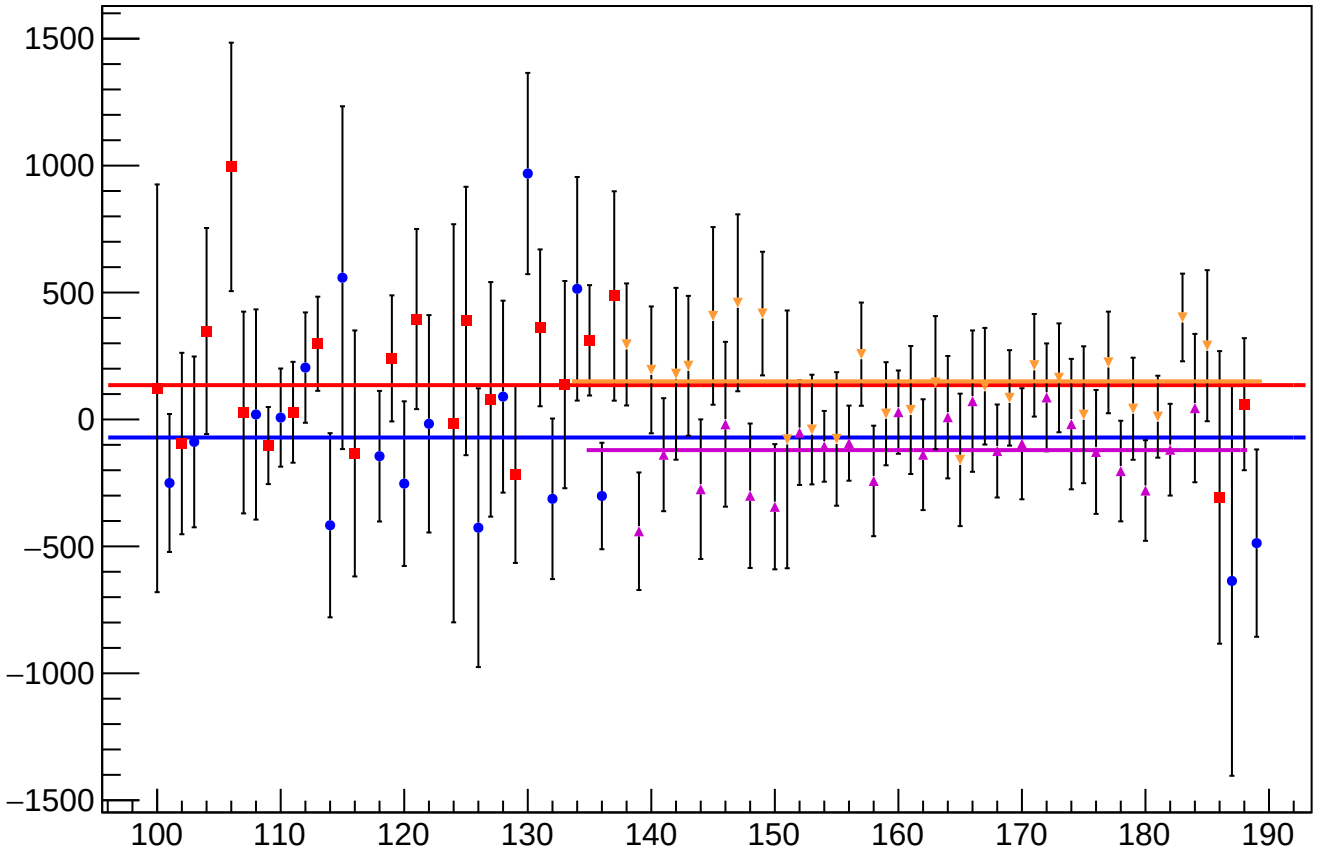
Right Out: 22.805+/-0.005 χ^2/NDF: 17331.0/20

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

+ sign 22.715+/-0.003 χ^2/NDF: 27187.4/42

All: 22.701+/-0.002 χ^2/NDF: 60656.1/86

- sign 22.687+/-0.003 χ^2/NDF: 33427.9/43



Right In: -71.053+/-74.619 χ^2/NDF: 17.3/17

Left Out: 150.218+/-46.535 χ^2/NDF:11.0/24

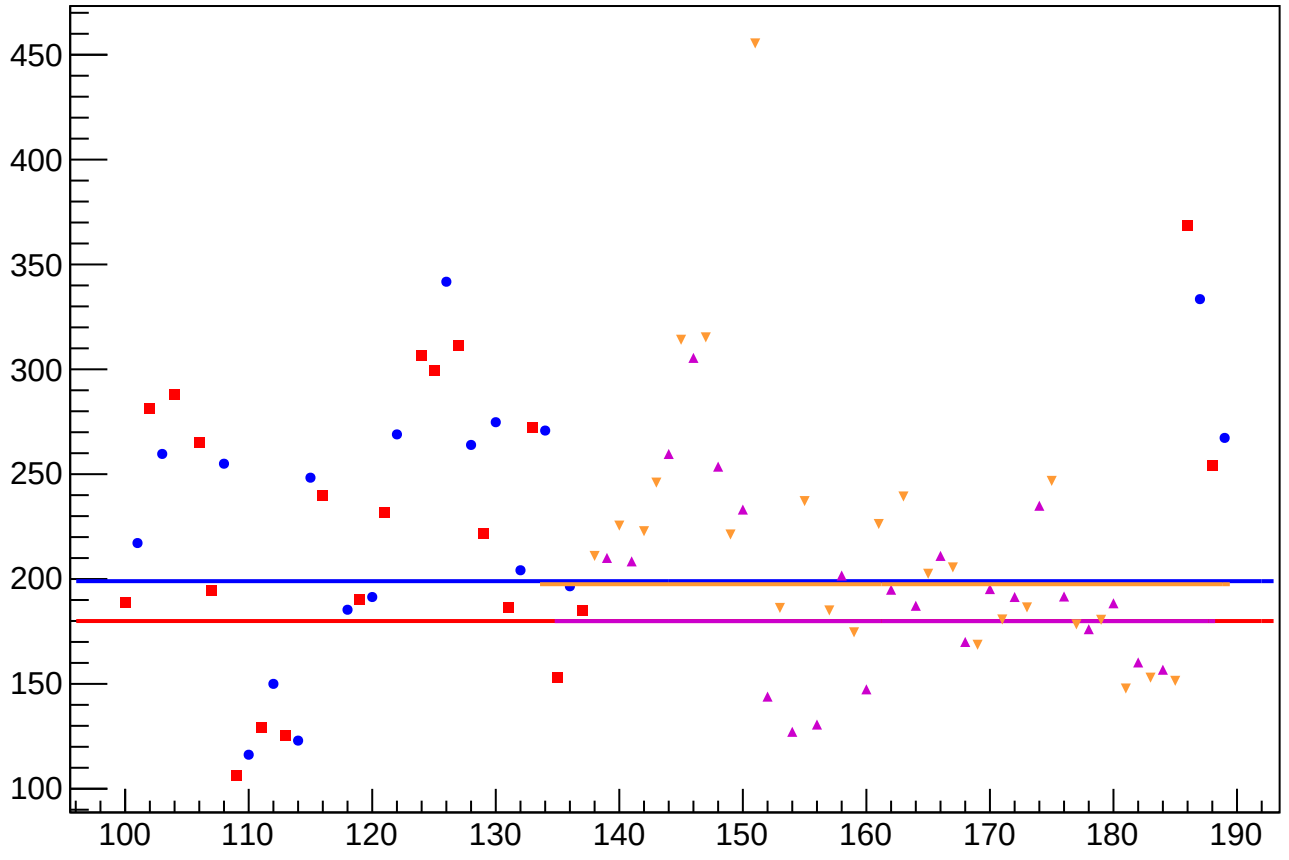
Right Out: 135.158+/-65.718 χ^2/NDF: 12.3/20

Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

+ sign 88.259+/-39.486 χ^2/NDF: 34.6/42

All: 18.183+/-26.809 χ^2/NDF: 71.1/86

- sign -41.747+/-36.516 χ^2/NDF: 30.6/43



Right In: 198.986+/-0.053 χ^2/NDF: 1188435.4/17

Left Out: 197.534+/-0.033 χ^2/NDF:1789891.0/24

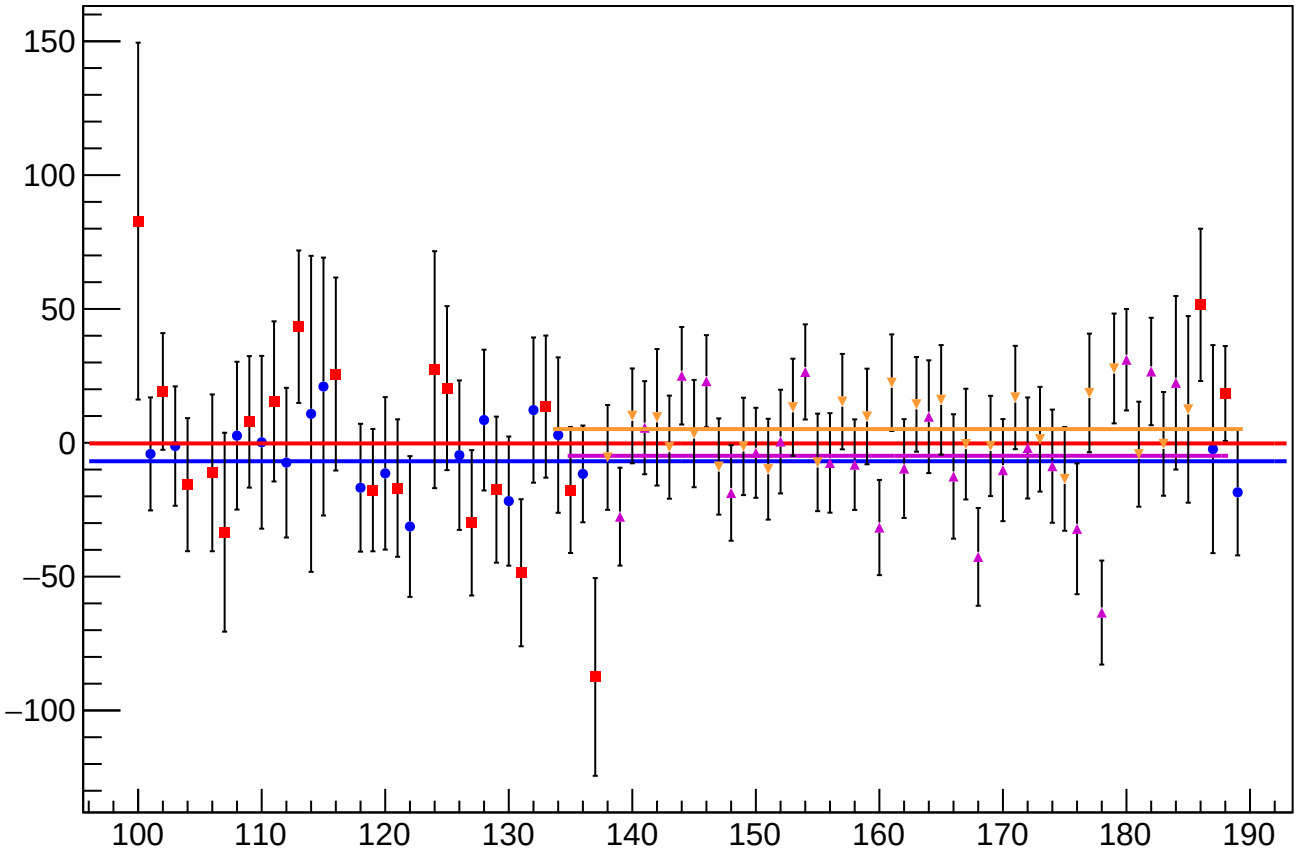
Right Out: 179.971+/-0.046 χ^2/NDF: 2073970.6/20

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

+ sign 197.941+/-0.028 χ^2/NDF: 2978871.9/42

All: 188.237+/-0.019 χ^2/NDF: 6901074.4/86

- sign 179.938+/-0.026 χ^2/NDF: 3698115.6/43



Right In: -6.898+/-6.265 χ^2/NDF: 3.4/17

Left Out: 5.119+/-3.890 χ^2/NDF:7.9/24

Right Out: -0.244+/-5.974 χ^2/NDF: 24.3/20

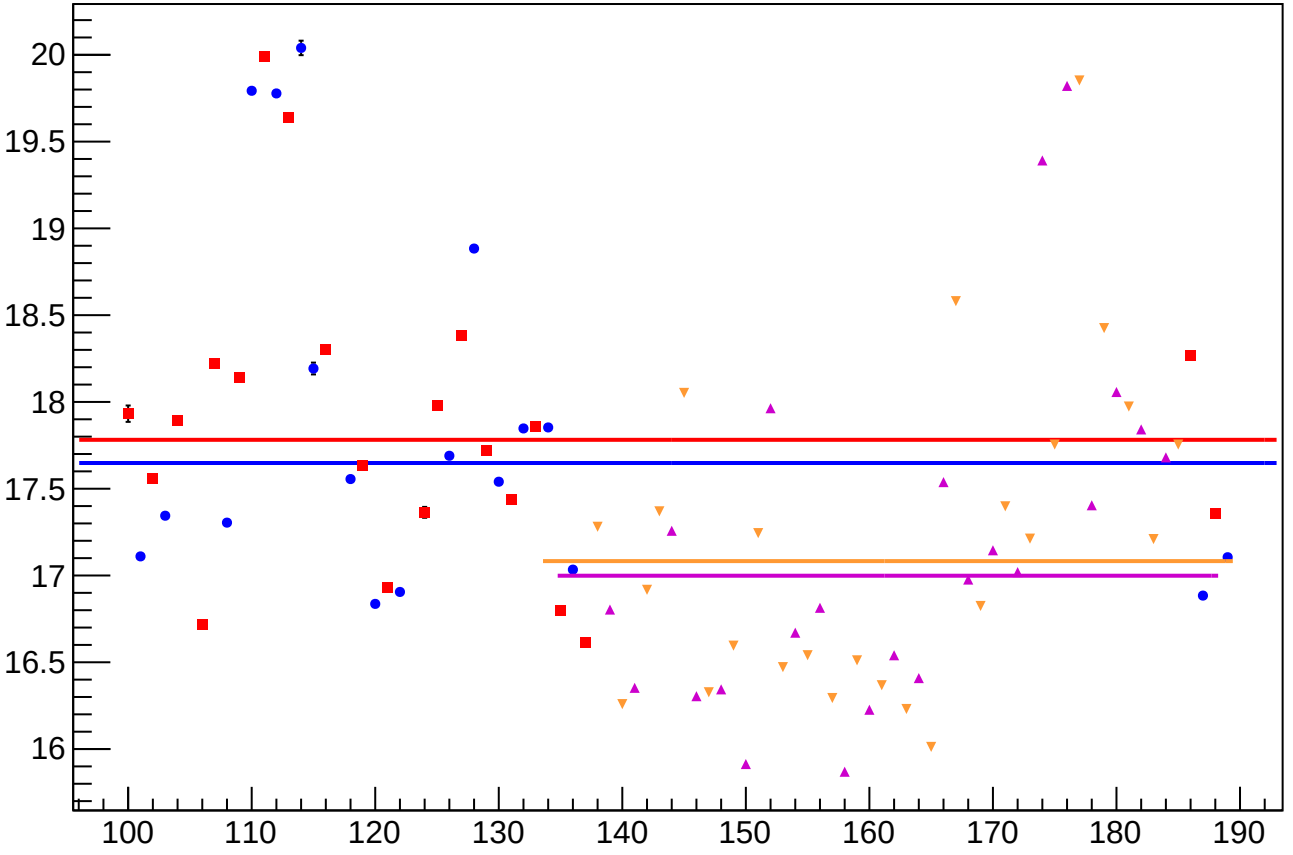
Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign 1.776+/-3.305 χ^2/NDF: 14.0/42

All: -0.826+/-2.340 χ^2/NDF: 75.4/86

- sign -3.439+/-3.312 χ^2/NDF: 60.2/43

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.648+/-0.004 χ^2/NDF: 38009.9/17

Left Out: 17.083+/-0.003 χ^2/NDF:96774.9/24

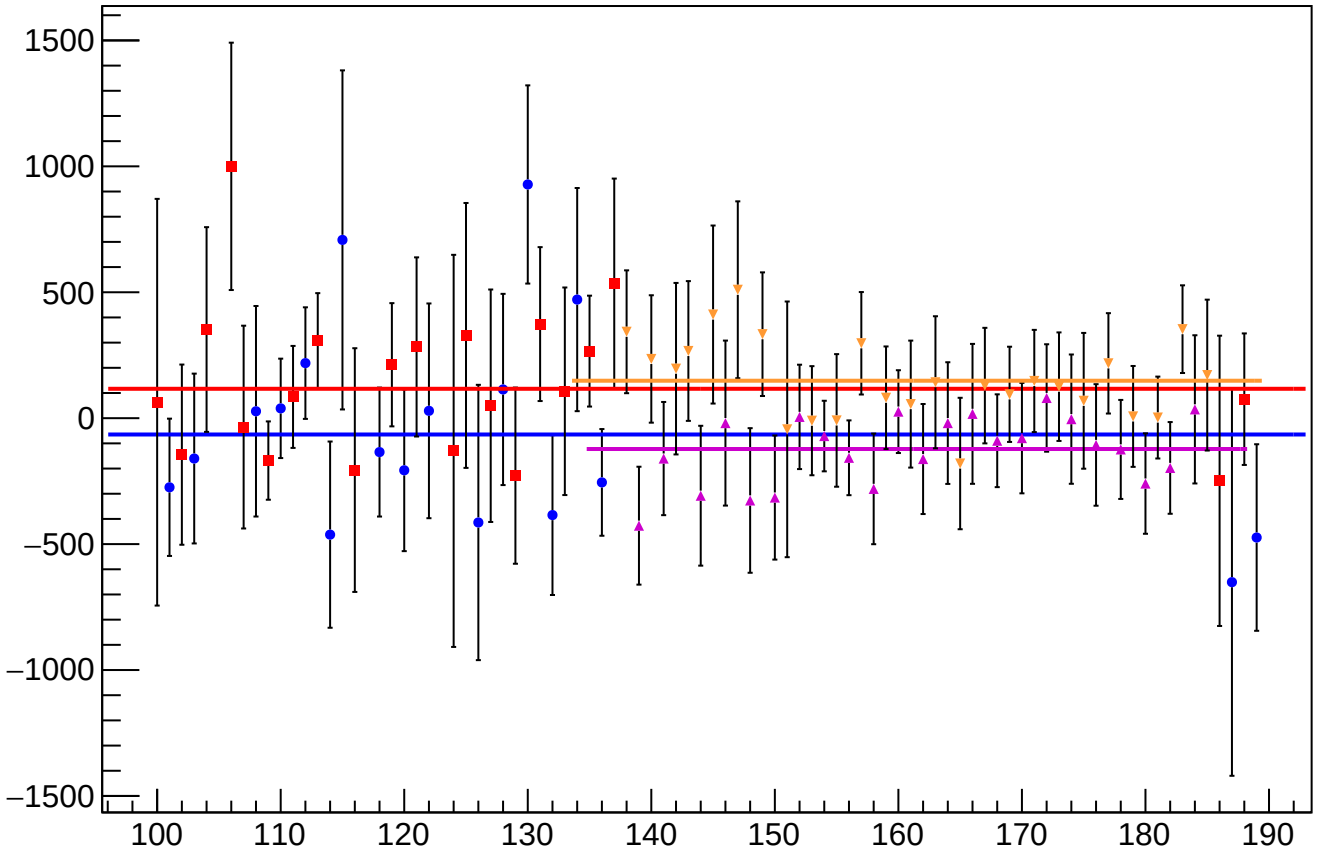
Right Out: 17.782+/-0.004 χ^2/NDF: 34487.3/20

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

+ sign 17.240+/-0.002 χ^2/NDF: 146534.3/42

All: 17.240+/-0.002 χ^2/NDF: 308840.9/86

- sign 17.239+/-0.002 χ^2/NDF: 162306.6/43



Right In: -64.760+/-75.157 χ^2/NDF: 17.5/17

Left Out: 148.758+/-46.714 χ^2/NDF:9.5/24

Right Out: 116.728+/-66.364 χ^2/NDF: 13.3/20

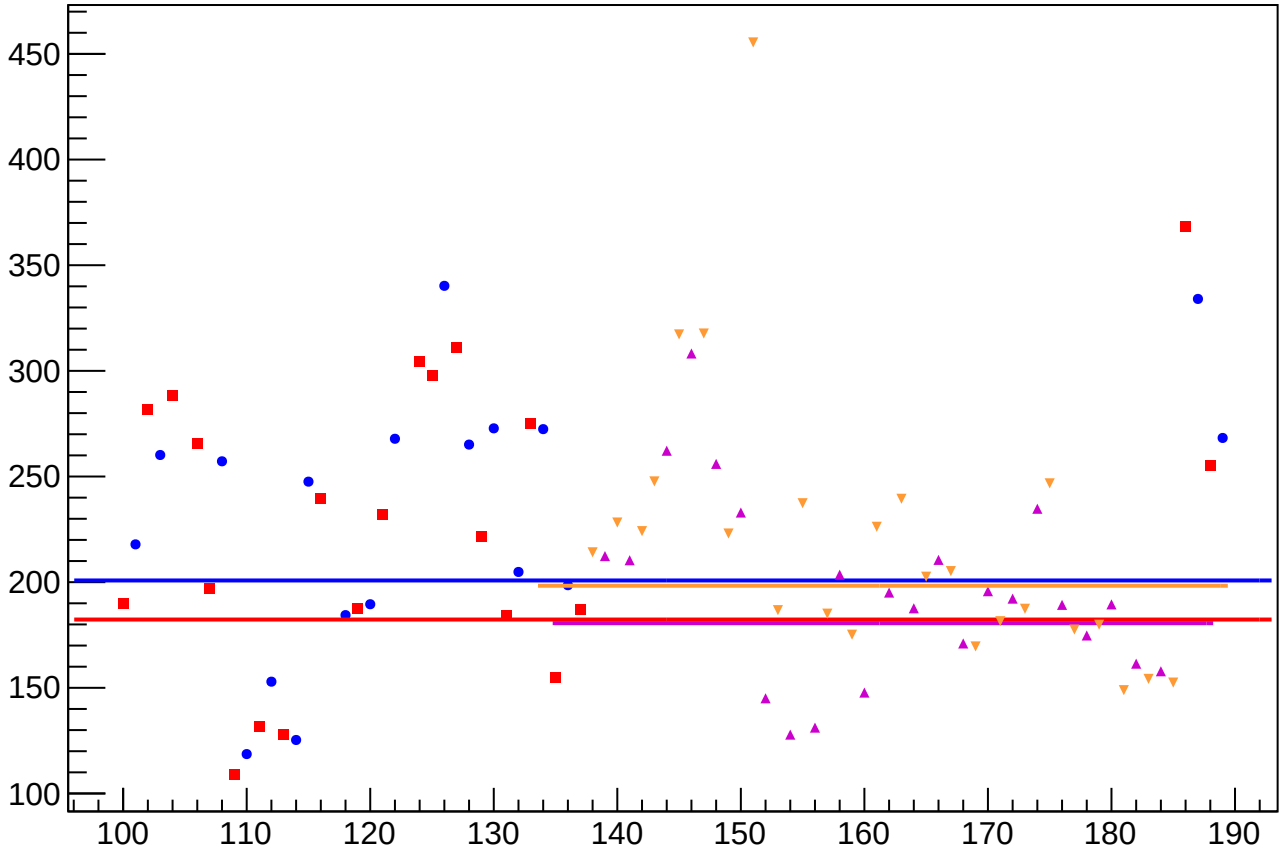
Left In: -122.376+/-44.081 χ^2/NDF:7.9/22

+ sign 89.257+/-39.675 χ^2/NDF: 32.9/42

All: 14.691+/-26.949 χ^2/NDF: 69.6/86

- sign -49.178+/-36.719 χ^2/NDF: 30.2/43

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 200.809+/-0.053 χ^2/NDF: 1133263.1/17

Left Out: 198.313+/-0.033 χ^2/NDF:1790279.4/24

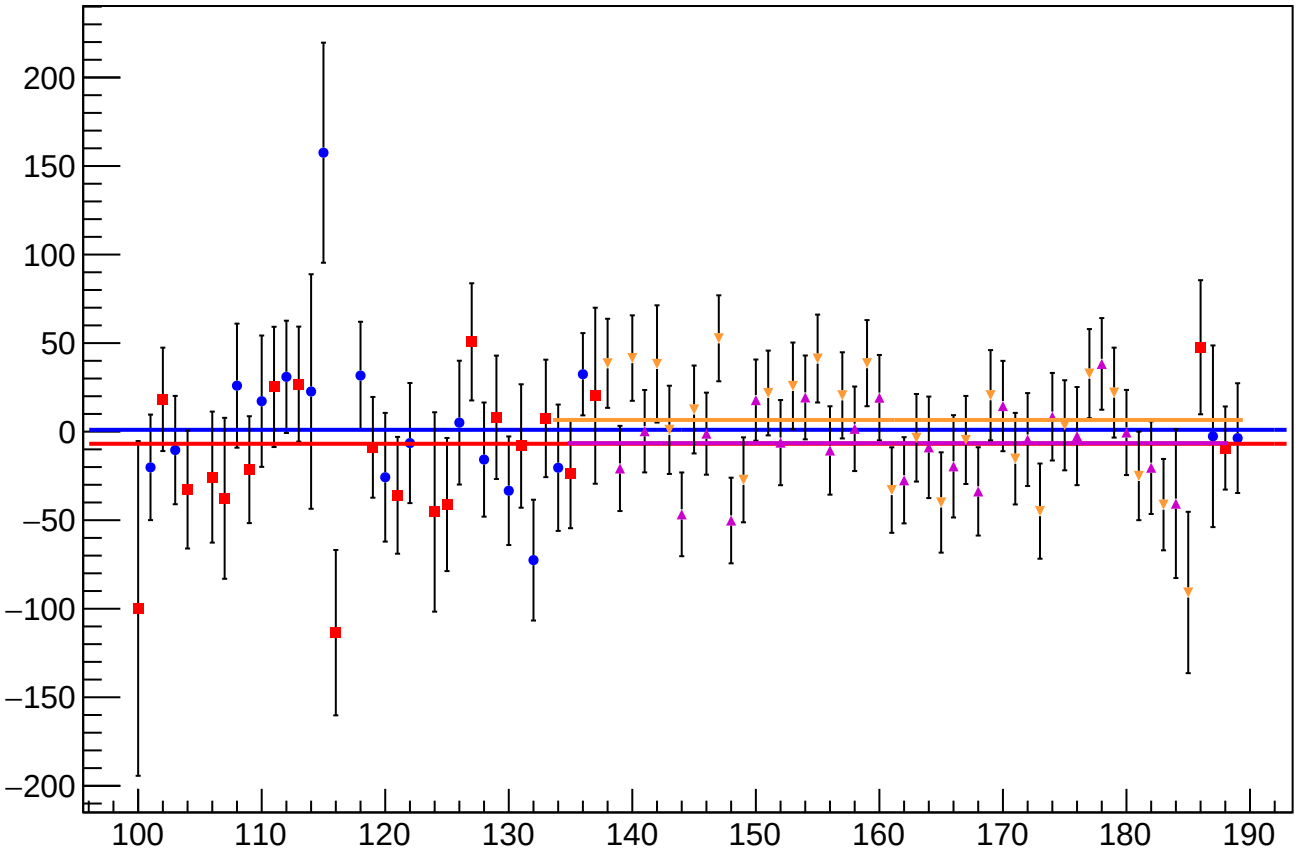
Right Out: 182.318+/-0.047 χ^2/NDF: 1978399.6/20

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

+ sign 199.009+/-0.028 χ^2/NDF: 2925133.1/42

All: 189.377+/-0.019 χ^2/NDF: 6751371.3/86

- sign 181.127+/-0.026 χ^2/NDF: 3607400.0/43



Right In: 1.036+/-7.982 χ^2/NDF: 18.7/17

Left Out: 6.611+/-5.117 χ^2/NDF:36.9/24

Right Out: -6.850+/-7.582 χ^2/NDF: 18.6/20

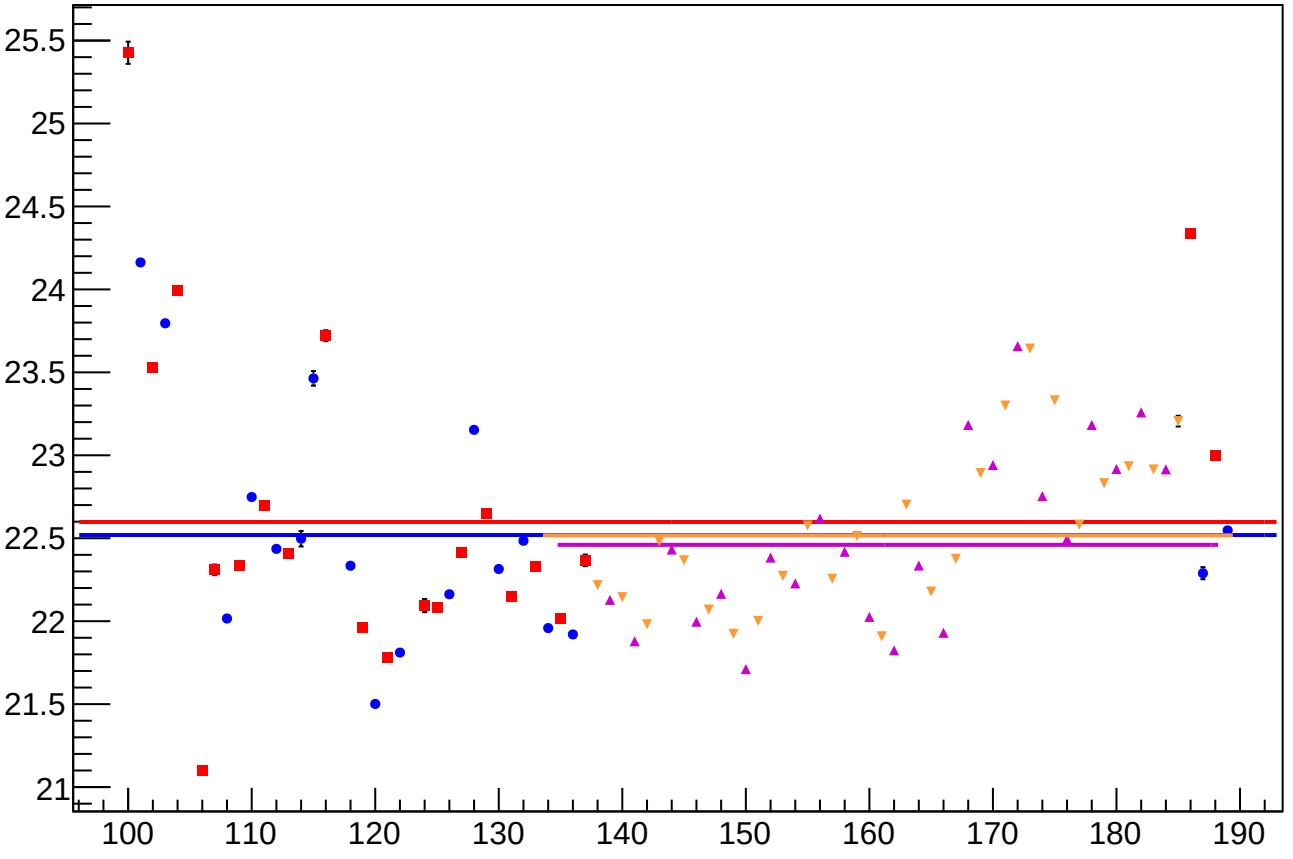
Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign 4.987+/-4.308 χ^2/NDF: 55.9/42

All: -0.798+/-3.048 χ^2/NDF: 95.6/86

- sign -6.601+/-4.314 χ^2/NDF: 36.1/43

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.519+/-0.006 χ^2/NDF: 15990.2/17

Left Out: 22.517+/-0.004 χ^2/NDF:16002.5/24

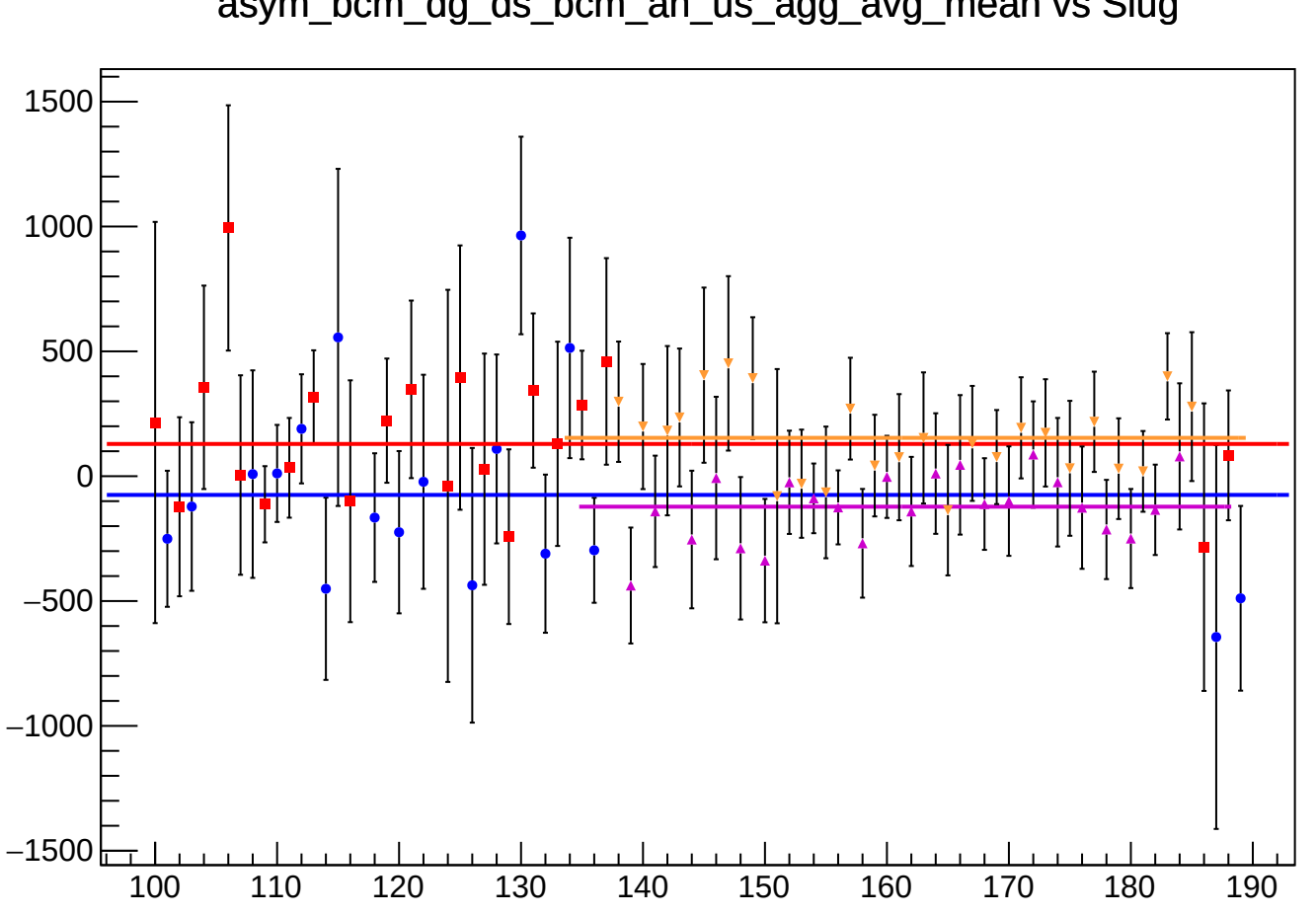
Right Out: 22.598+/-0.005 χ^2/NDF: 20943.0/20

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

+ sign 22.518+/-0.003 χ^2/NDF: 31992.7/42

All: 22.511+/-0.002 χ^2/NDF: 72510.1/86

- sign 22.505+/-0.003 χ^2/NDF: 40508.1/43



Right In: -75.018+/-74.837 χ^2/NDF: 17.2/17

Left Out: 153.507+/-46.636 χ^2/NDF:10.1/24

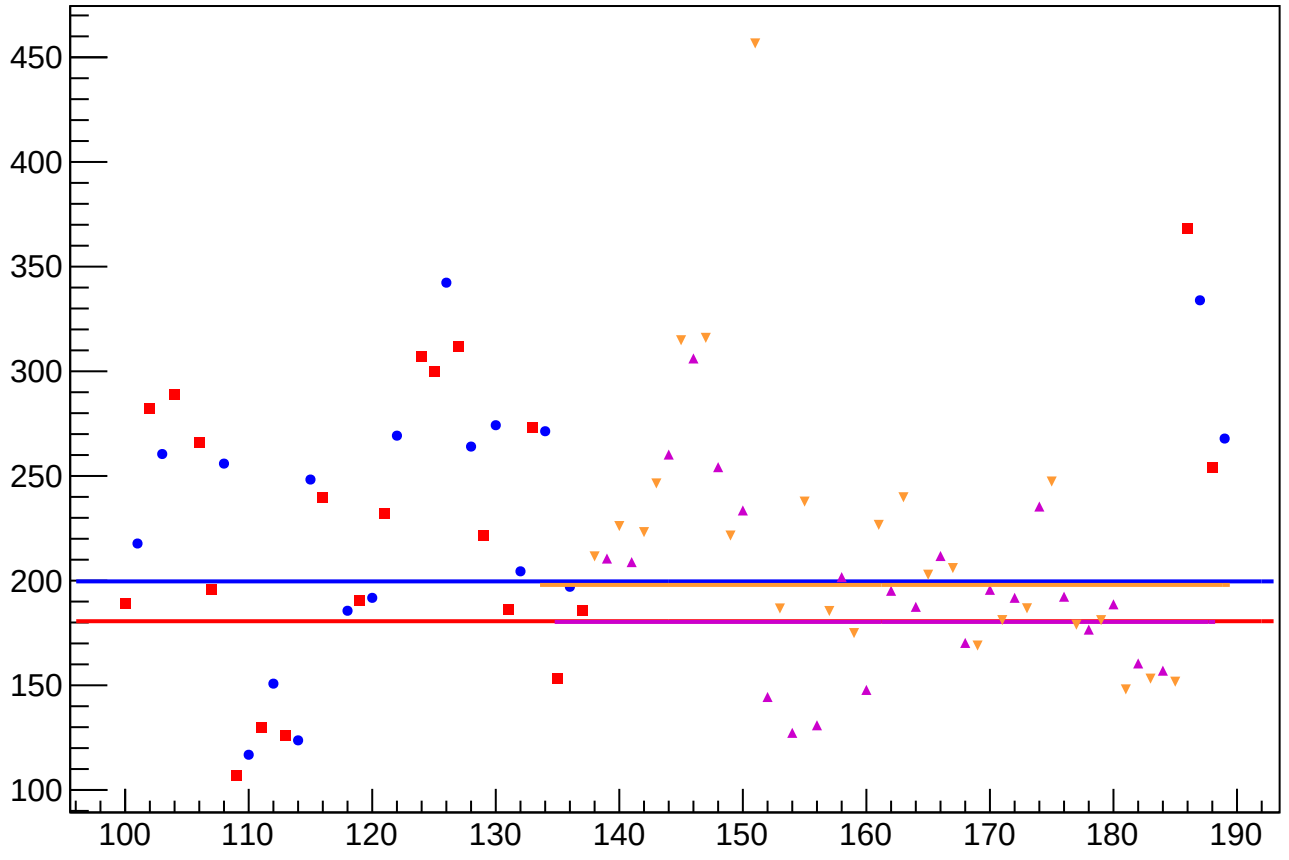
Right Out: 129.132+/-65.917 χ^2/NDF: 12.2/20

Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

+ sign 89.586+/-39.580 χ^2/NDF: 34.0/42

All: 17.201+/-26.872 χ^2/NDF: 69.9/86

- sign -44.693+/-36.600 χ^2/NDF: 29.7/43



Right In: 199.643+/-0.053 χ^2/NDF: 1176738.0/17

Left Out: 197.957+/-0.033 χ^2/NDF:1791354.6/24

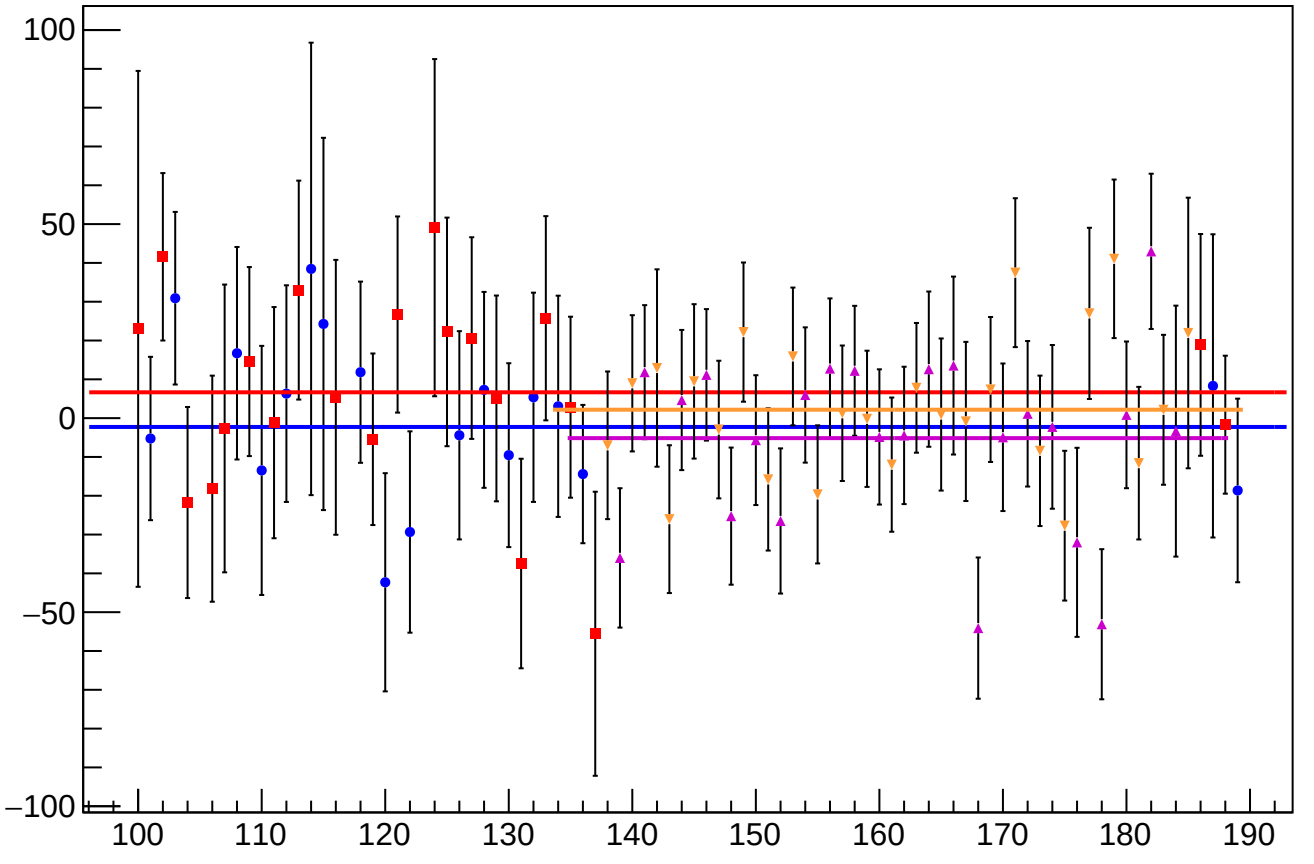
Right Out: 180.615+/-0.047 χ^2/NDF: 2057040.7/20

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

+ sign 198.429+/-0.028 χ^2/NDF: 2968823.3/42

All: 188.699+/-0.019 χ^2/NDF: 6874784.6/86

- sign 180.379+/-0.026 χ^2/NDF: 3681760.4/43



Right In: -2.273+/-6.187 χ^2/NDF: 8.6/17

Left Out: 2.174+/-3.825 χ^2/NDF:20.0/24

Right Out: 6.657+/-5.894 χ^2/NDF: 14.8/20

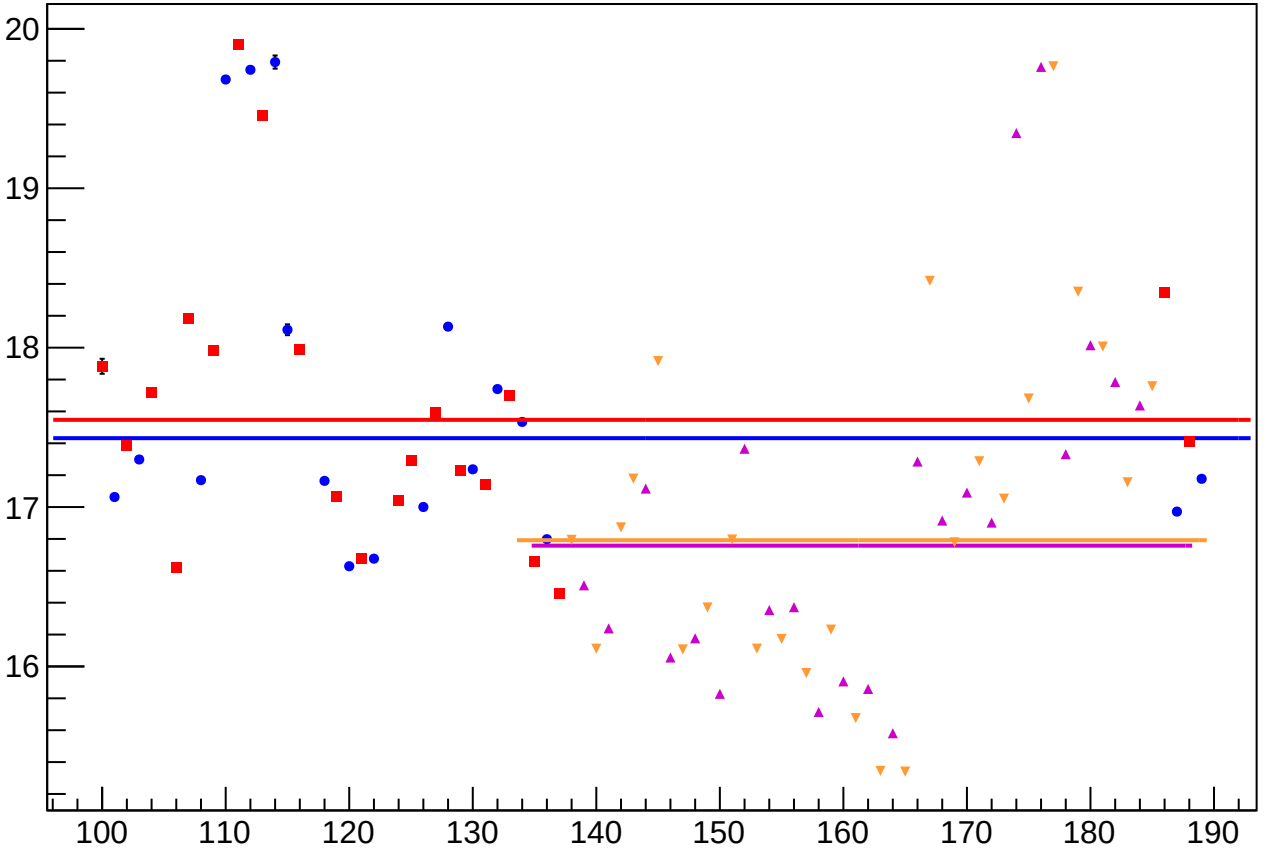
Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign 0.944+/-3.254 χ^2/NDF: 28.9/42

All: -0.285+/-2.305 χ^2/NDF: 79.1/86

- sign -1.524+/-3.266 χ^2/NDF: 49.9/43

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.432+/-0.004 χ^2/NDF: 37209.2/17

Left Out: 16.792+/-0.003 χ^2/NDF:137000.5/24

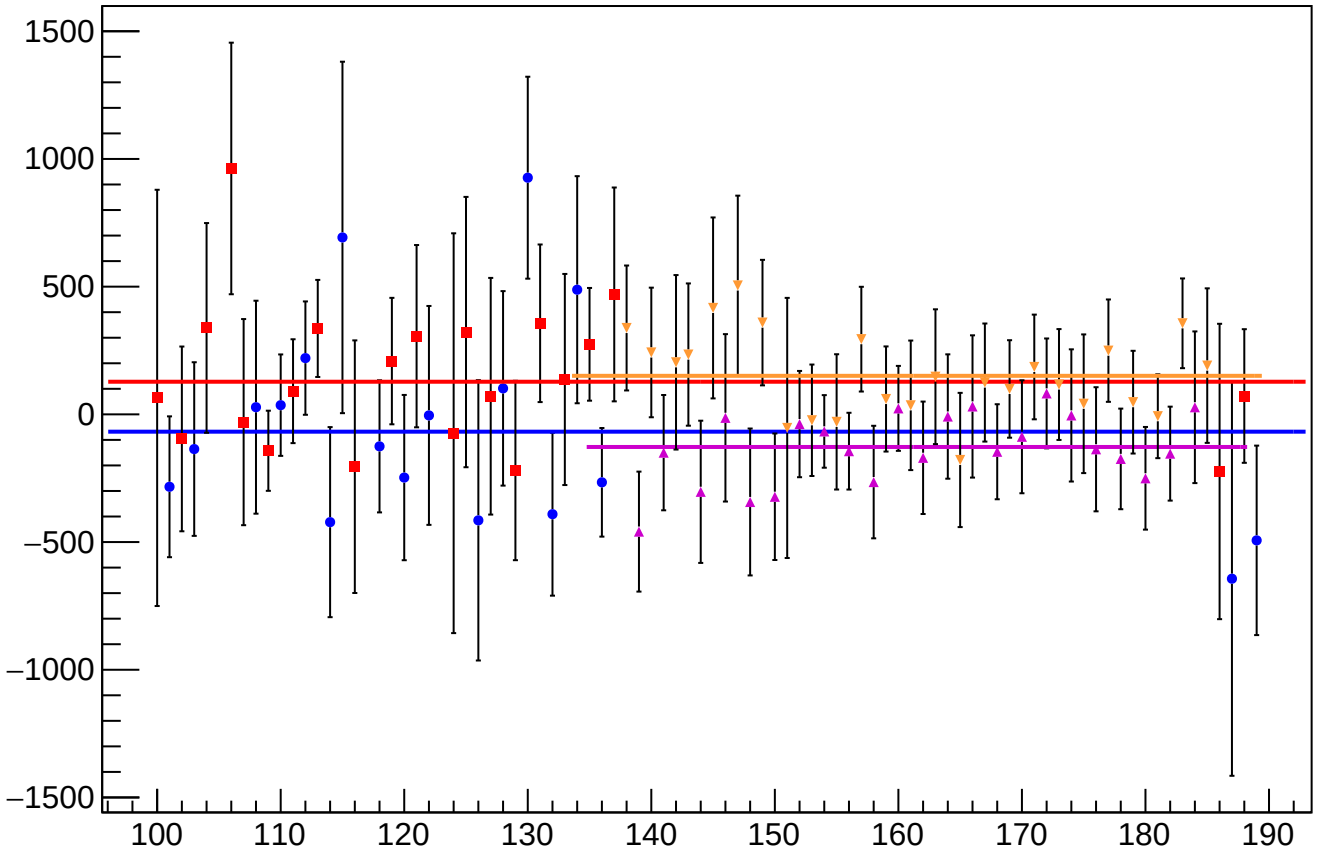
Right Out: 17.547+/-0.004 χ^2/NDF: 36425.6/20

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

+ sign 16.969+/-0.002 χ^2/NDF: 189701.2/42

All: 16.985+/-0.002 χ^2/NDF: 374383.2/86

- sign 17.000+/-0.002 χ^2/NDF: 184590.0/43



Right In: -67.819+/-75.575 χ^2/NDF: 17.4/17

Left Out: 150.884+/-47.035 χ^2/NDF:10.0/24

Right Out: 127.743+/-66.772 χ^2/NDF: 12.0/20

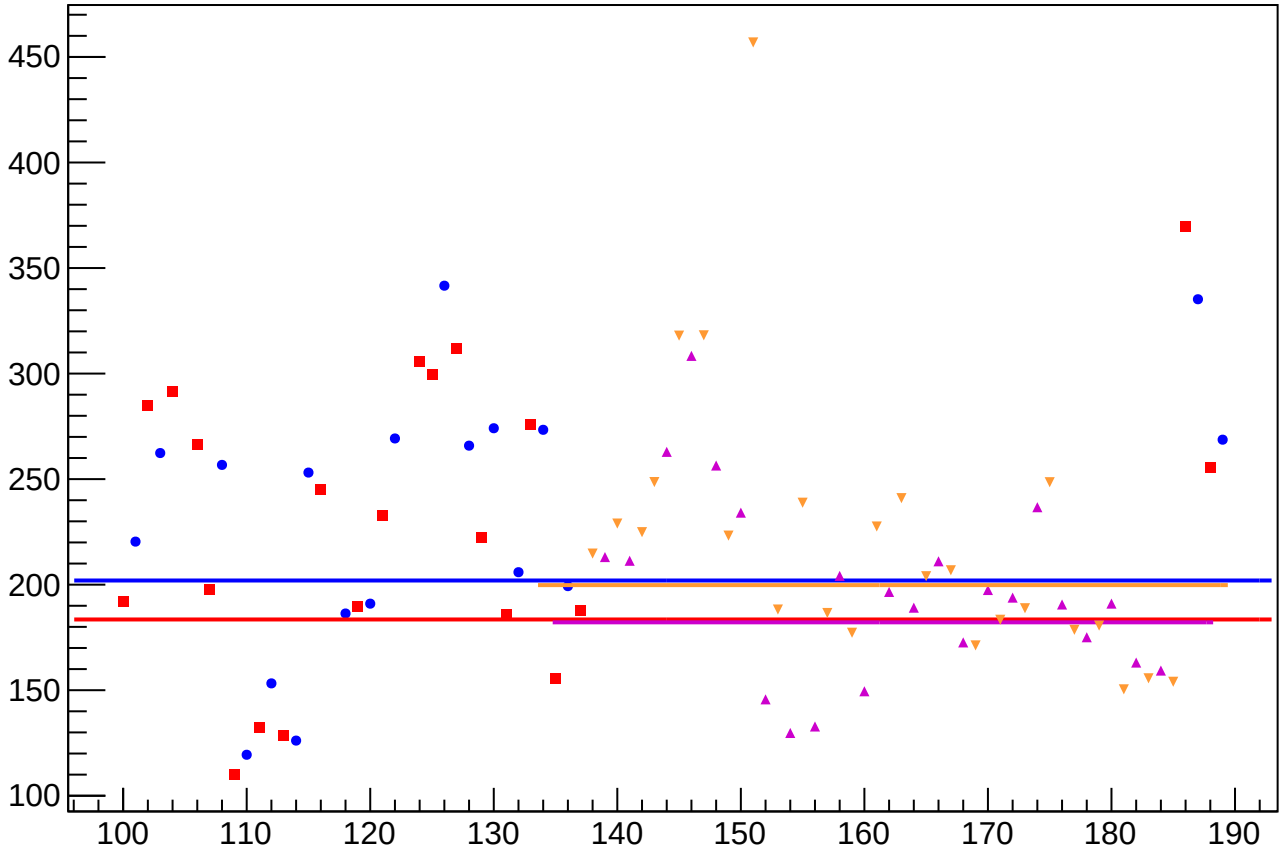
Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

+ sign 89.824+/-39.933 χ^2/NDF: 33.4/42

All: 14.929+/-27.136 χ^2/NDF: 69.9/86

- sign -49.325+/-36.987 χ^2/NDF: 30.0/43

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 201.973+/-0.053 χ^2/NDF: 1130700.3/17

Left Out: 199.785+/-0.033 χ^2/NDF:1760326.2/24

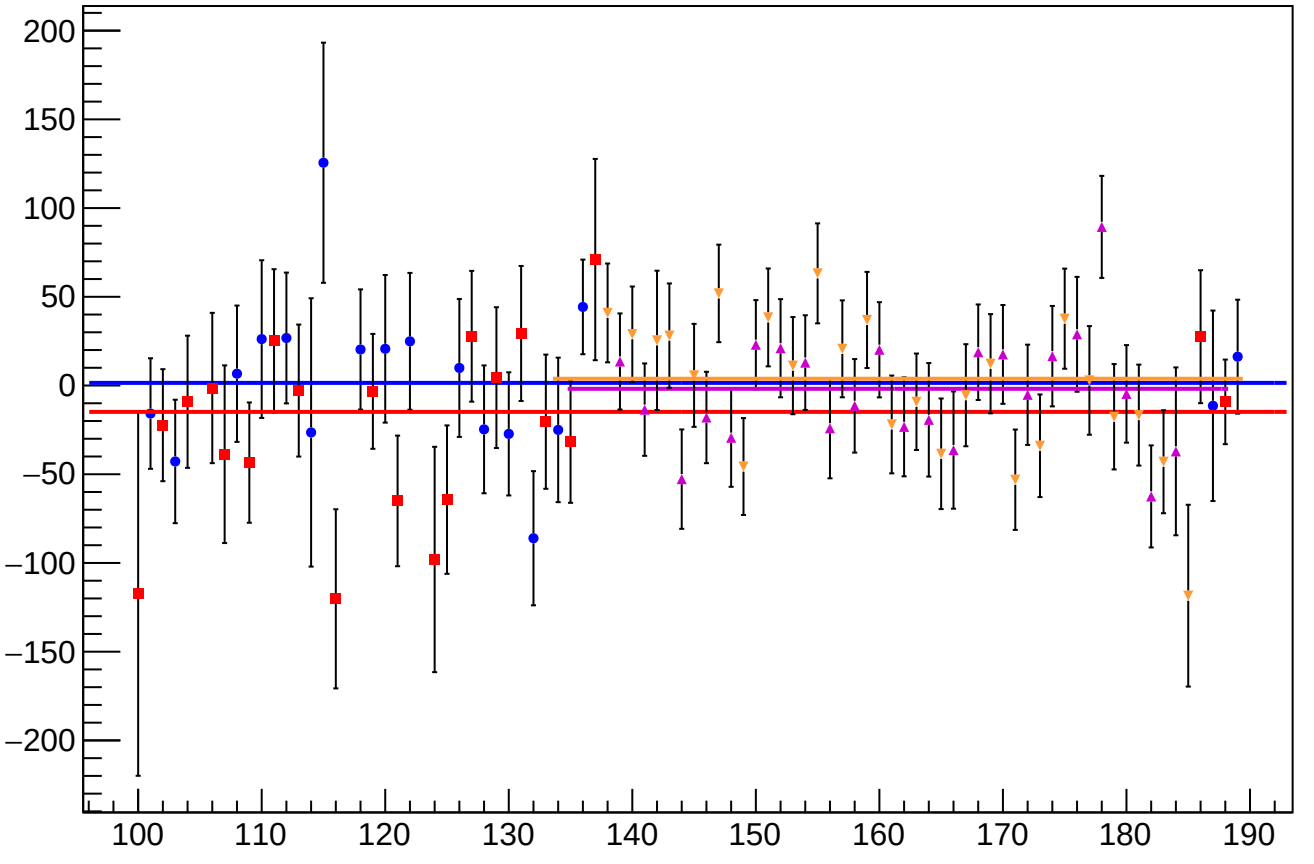
Right Out: 183.509+/-0.047 χ^2/NDF: 1975330.1/20

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

+ sign 200.396+/-0.028 χ^2/NDF: 2892234.9/42

All: 190.800+/-0.019 χ^2/NDF: 6667072.4/86

- sign 182.567+/-0.026 χ^2/NDF: 3560261.9/43



Right In: 1.492+/-8.915 χ^2/NDF: 17.0/17

Left Out: 3.831+/-5.789 χ^2/NDF:37.6/24

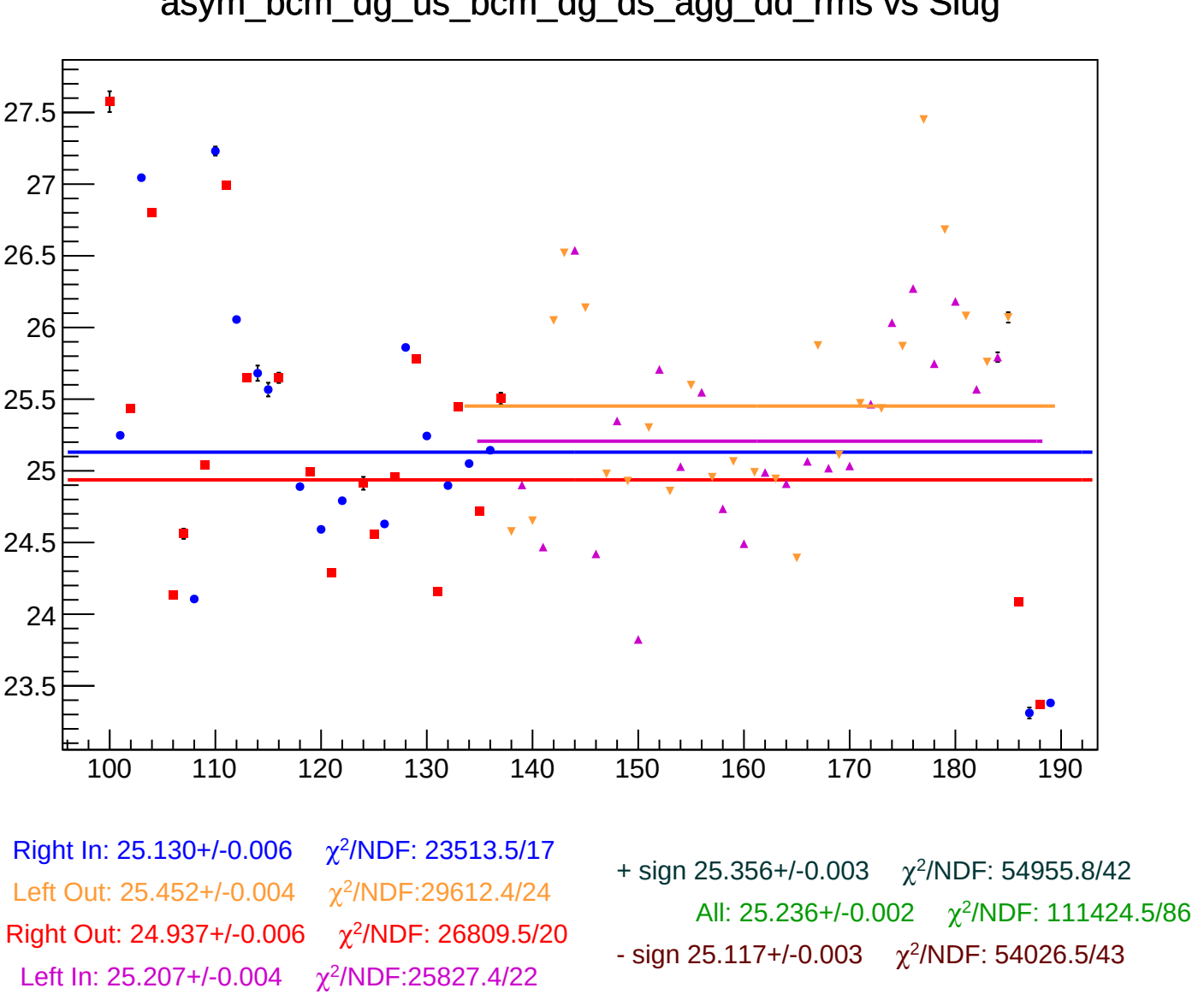
Right Out: -14.848+/-8.372 χ^2/NDF: 19.5/20

Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

+ sign 3.137+/-4.855 χ^2/NDF: 54.7/42

All: -1.544+/-3.420 χ^2/NDF: 105.7/86

- sign -6.156+/-4.819 χ^2/NDF: 49.1/43


asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug
27.5
27
26.5
26
25.5
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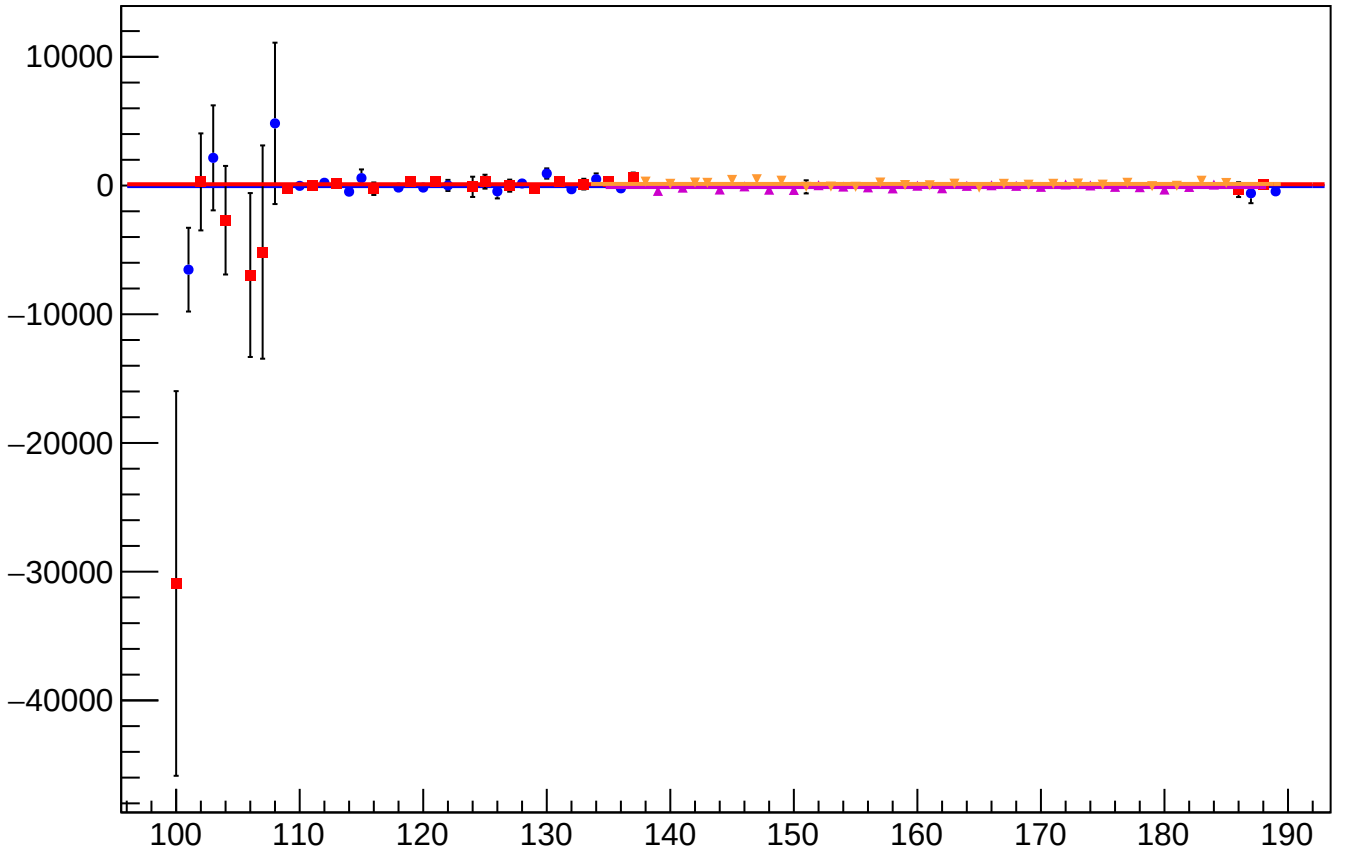
24.5
24
23.5
100
110
120
130
140
150
160
170
180
190
Right In: 25.130+/-0.006 χ²/NDF: 23513.5/17
Left Out: 25.452+/-0.004 χ²/NDF:29612.4/24
Right Out: 24.937+/-0.006 χ²/NDF: 26809.5/20
Left In: 25.207+/-0.004 χ²/NDF:25827.4/22
+ sign 25.356+/-0.003 χ²/NDF: 54955.8/42
All: 25.236+/-0.002 χ²/NDF: 111424.5/86
- sign 25.117+/-0.003 χ²/NDF: 54026.5/43



Right In: -43.428+/-82.109 χ^2/NDF: 20.1/17

Left Out: 125.161+/-46.925 χ^2/NDF:11.1/24

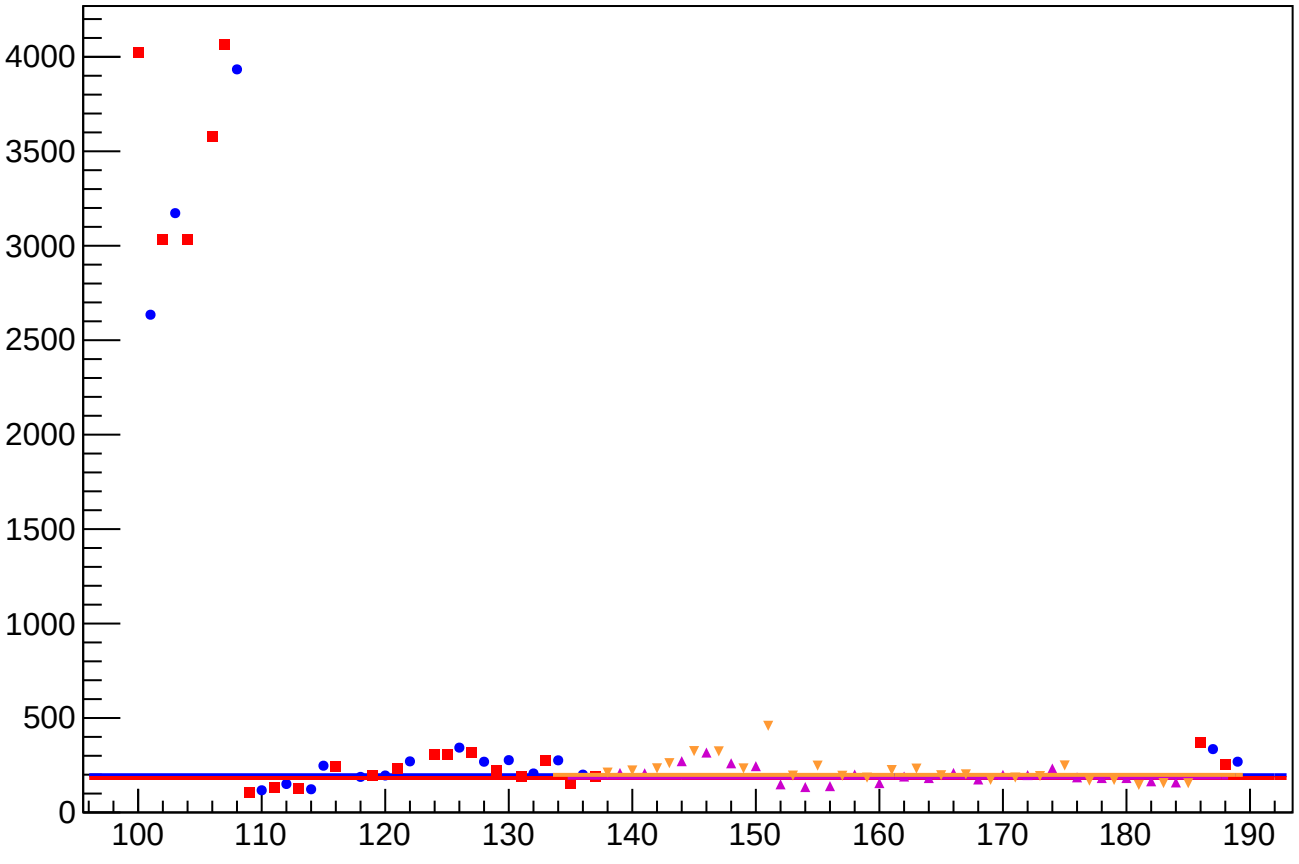
Right Out: 101.235+/-74.208 χ^2/NDF: 14.6/20

Left In: -117.291+/-44.871 χ^2/NDF:8.0/22

\+ sign 83.654+/-40.741 χ^2/NDF: 34.4/42

All: 8.220+/-27.943 χ^2/NDF: 69.8/86

\- sign -58.784+/-38.398 χ^2/NDF: 28.9/43



Right In: 197.131+/-0.058 χ^2/NDF: 3968536.0/17

Left Out: 198.994+/-0.033 χ^2/NDF:1902155.1/24

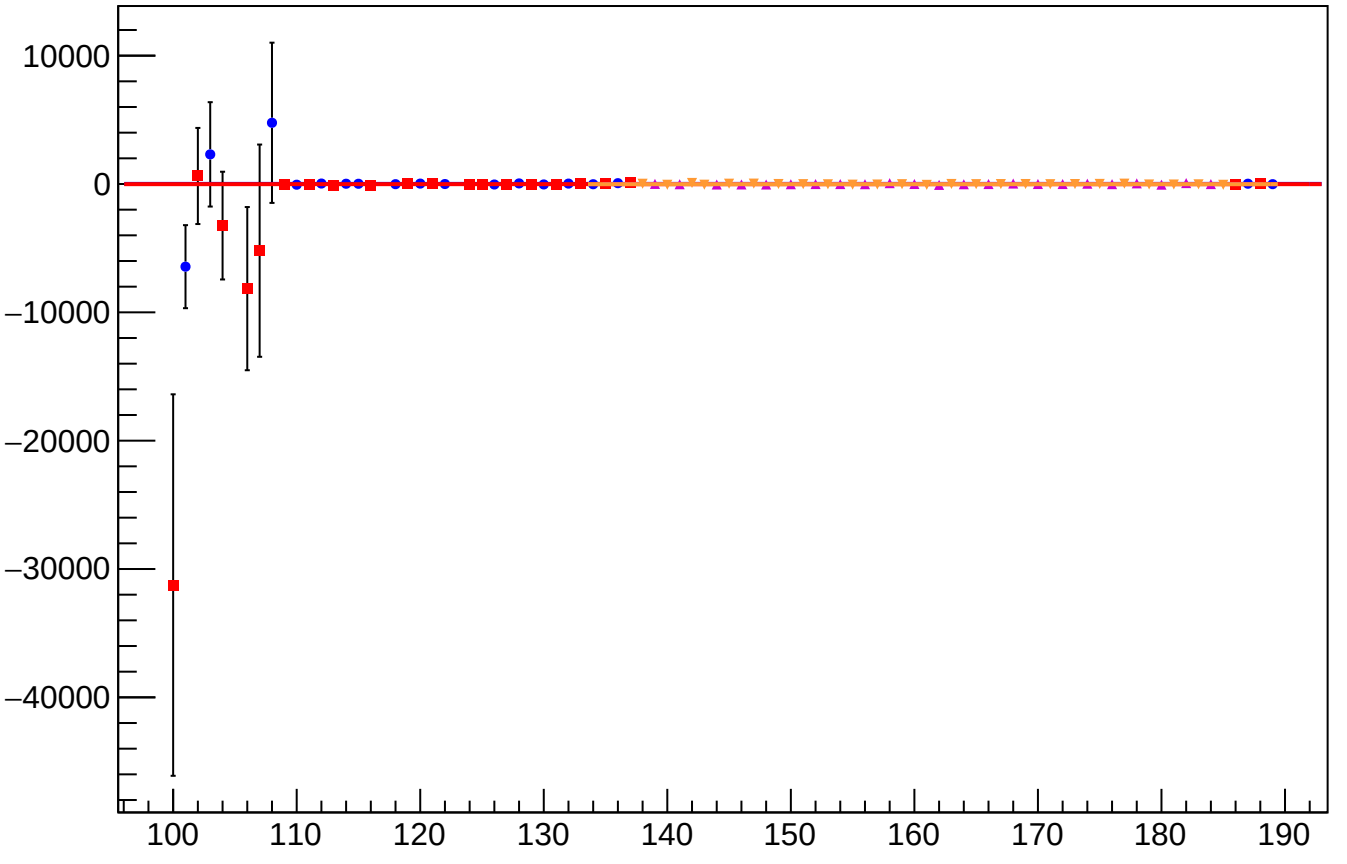
Right Out: 182.400+/-0.052 χ^2/NDF: 4699526.1/20

Left In: 184.399+/-0.032 χ^2/NDF:1446306.0/22

+ sign 198.535+/-0.029 χ^2/NDF: 5871467.4/42

All: 190.765+/-0.020 χ^2/NDF: 12155721.3/86

- sign 183.863+/-0.027 χ^2/NDF: 6146895.0/43



Right In: 7.783+/-10.962 χ^2/NDF: 16.4/17

Left Out: -14.827+/-6.512 χ^2/NDF:22.2/24

Right Out: -12.431+/-10.694 χ^2/NDF: 26.7/20

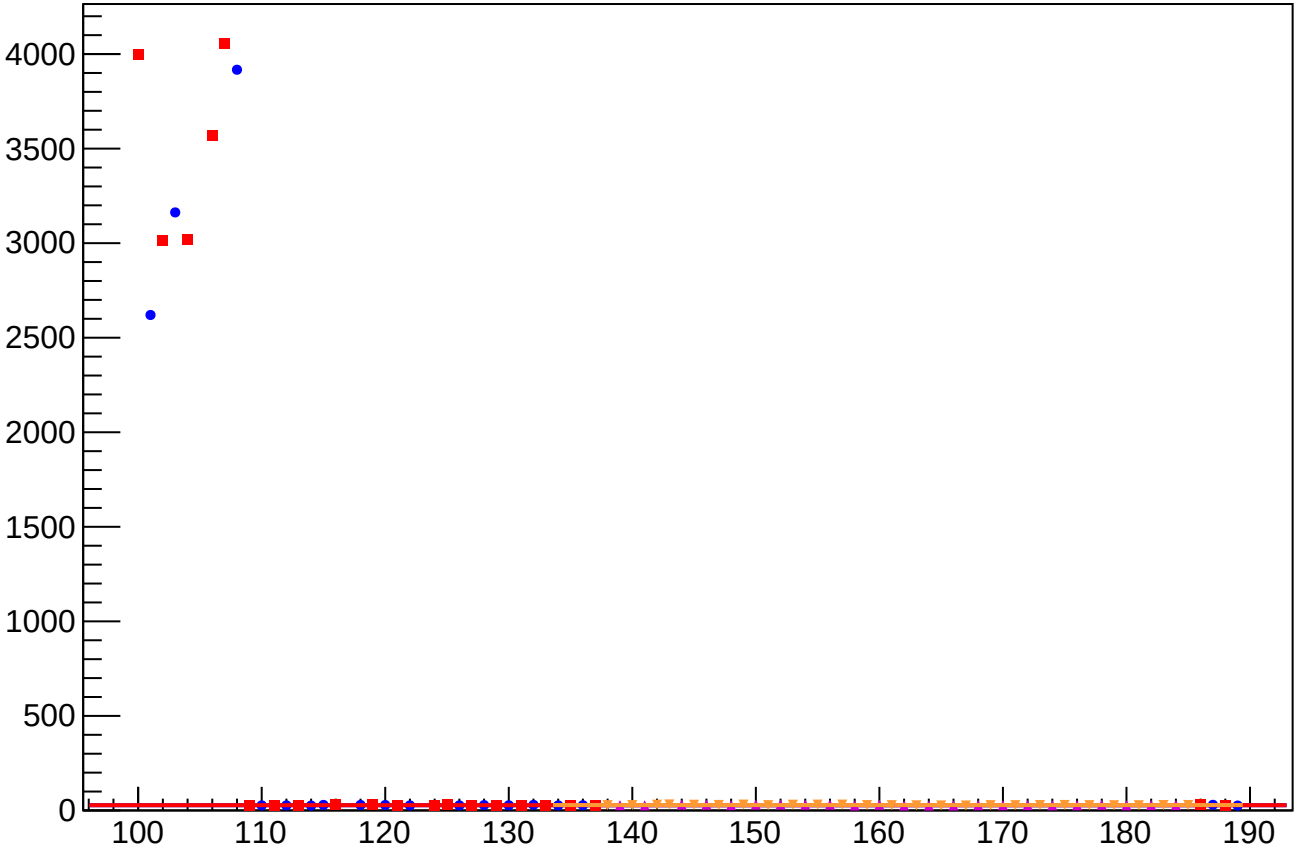
Left In: -2.172+/-6.703 χ^2/NDF:28.3/22

+ sign -8.930+/-5.598 χ^2/NDF: 41.8/42

All: -7.026+/-3.987 χ^2/NDF: 97.7/86

- sign -5.066+/-5.680 χ^2/NDF: 55.6/43

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.530+/-0.008 χ^2/NDF: 3271916.3/17

Left Out: 28.586+/-0.005 χ^2/NDF:88130.9/24

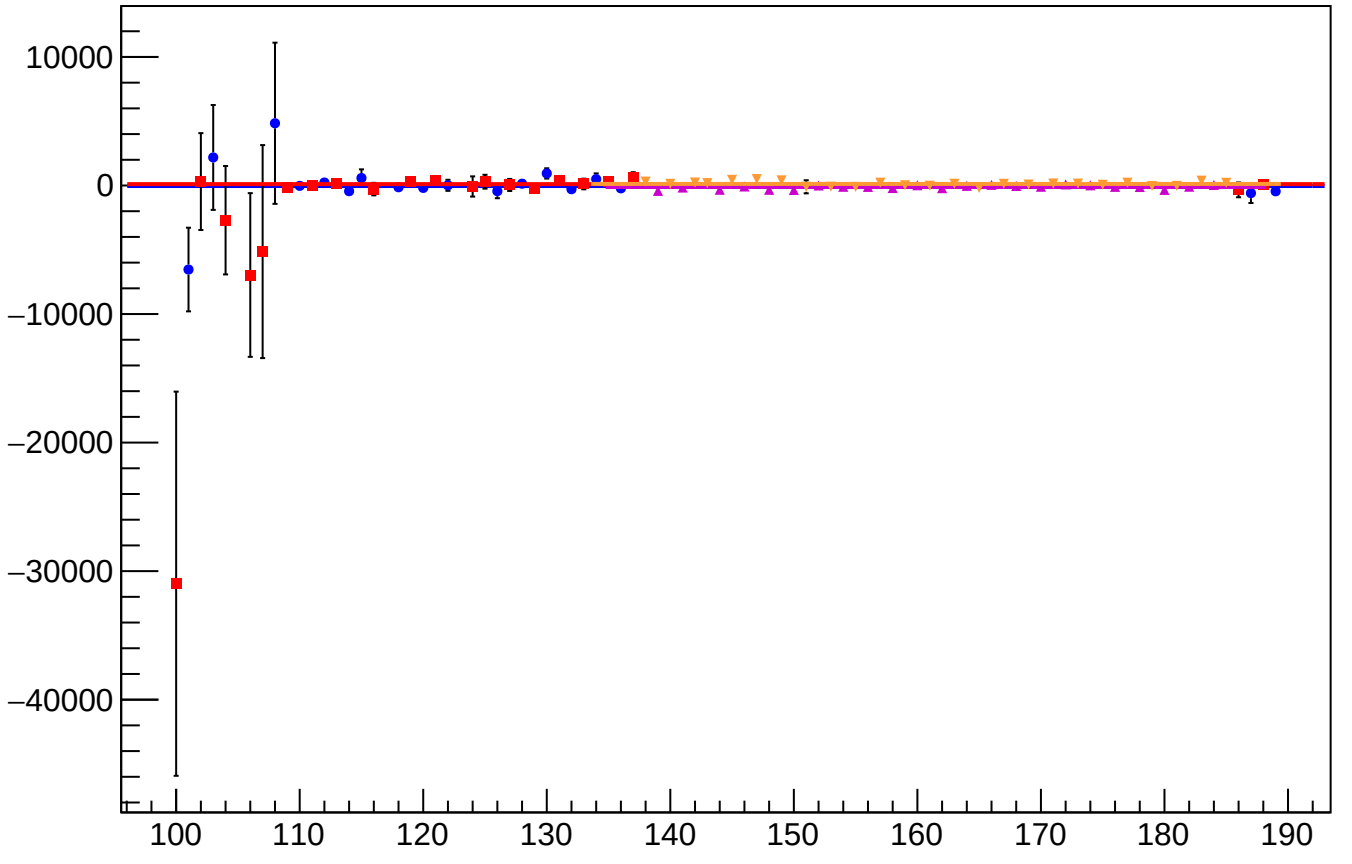
Right Out: 27.838+/-0.008 χ^2/NDF: 3572073.1/20

Left In: 28.606+/-0.005 χ^2/NDF:122928.2/22

+ sign 28.310+/-0.004 χ^2/NDF: 3373764.0/42

All: 28.349+/-0.003 χ^2/NDF: 7076354.9/86

- sign 28.389+/-0.004 χ^2/NDF: 3702394.2/43



Right In: -41.052+/-81.874 χ^2/NDF: 20.2/17

Left Out: 121.915+/-46.825 χ^2/NDF:12.0/24

Right Out: 107.391+/-74.009 χ^2/NDF: 15.1/20

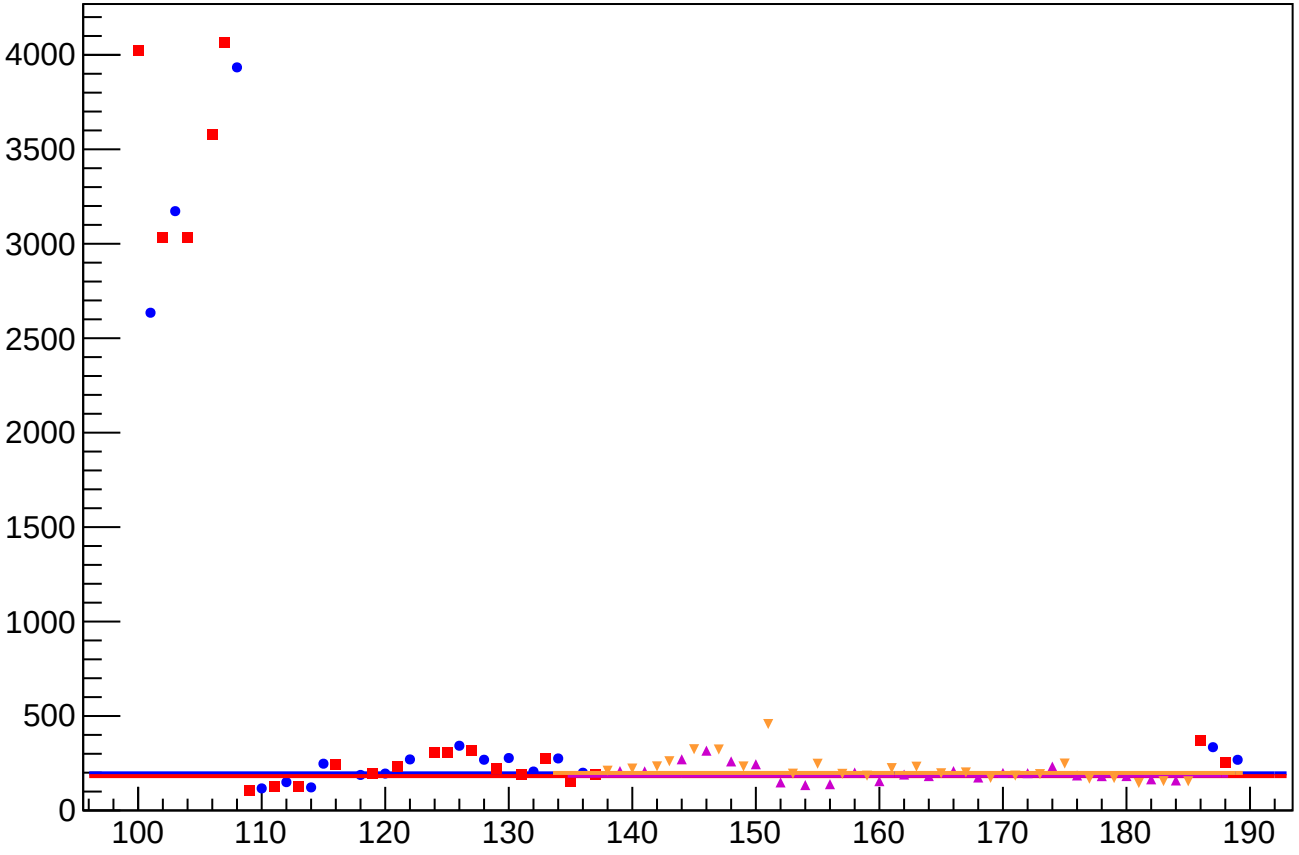
Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign 81.749+/-40.647 χ^2/NDF: 35.1/42

All: 8.654+/-27.881 χ^2/NDF: 71.4/86

- sign -56.300+/-38.316 χ^2/NDF: 30.2/43

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 196.462+/-0.058 χ^2/NDF: 3981636.7/17

Left Out: 198.571+/-0.033 χ^2/NDF:1901504.1/24

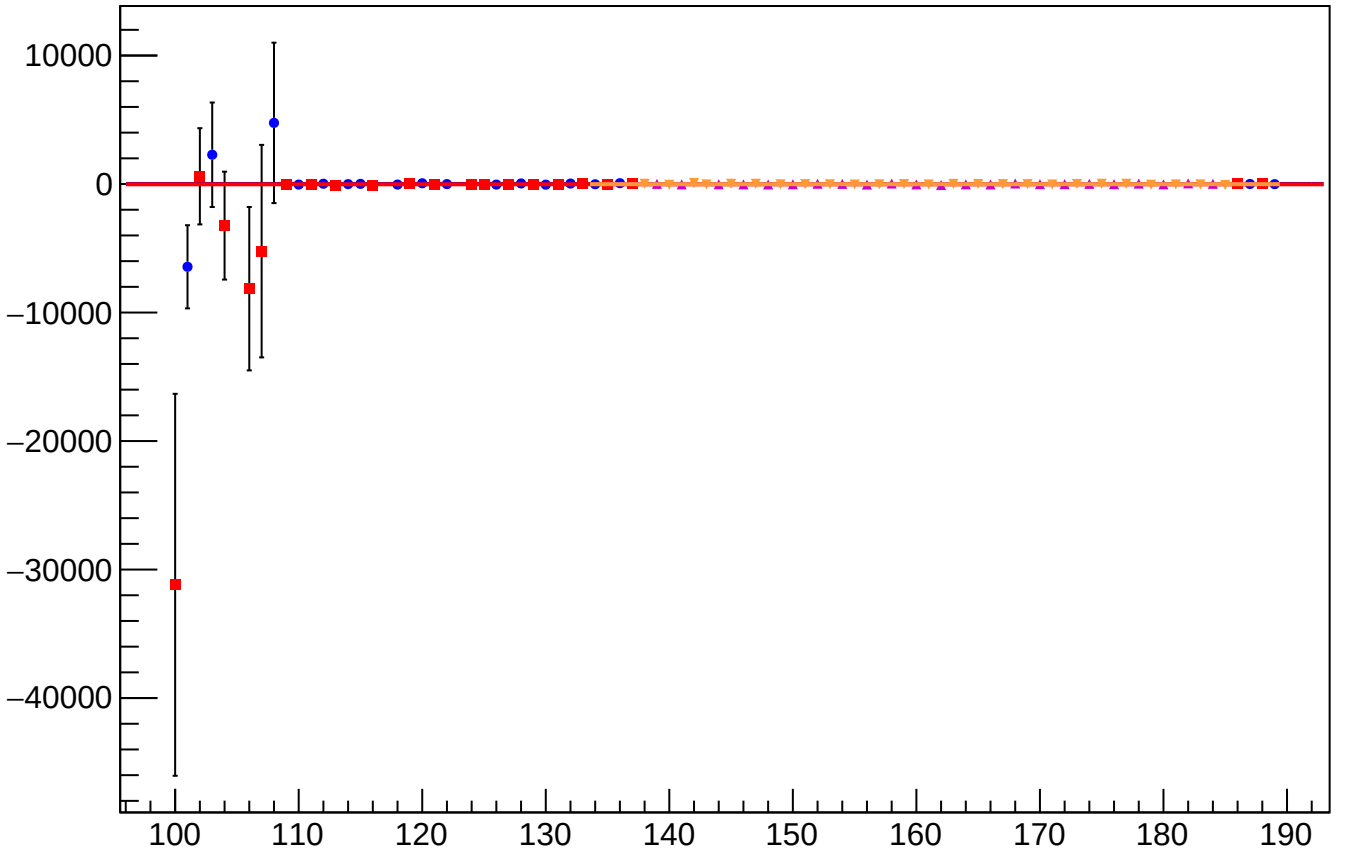
Right Out: 181.784+/-0.052 χ^2/NDF: 4716335.2/20

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 198.051+/-0.029 χ^2/NDF: 5884140.5/42

All: 190.316+/-0.020 χ^2/NDF: 12184041.0/86

- sign 183.443+/-0.027 χ^2/NDF: 6163134.2/43



Right In: 4.860+/-11.021 χ^2/NDF: 18.5/17

Left Out: -11.862+/-6.541 χ^2/NDF:17.9/24

Right Out: -19.324+/-10.744 χ^2/NDF: 25.3/20

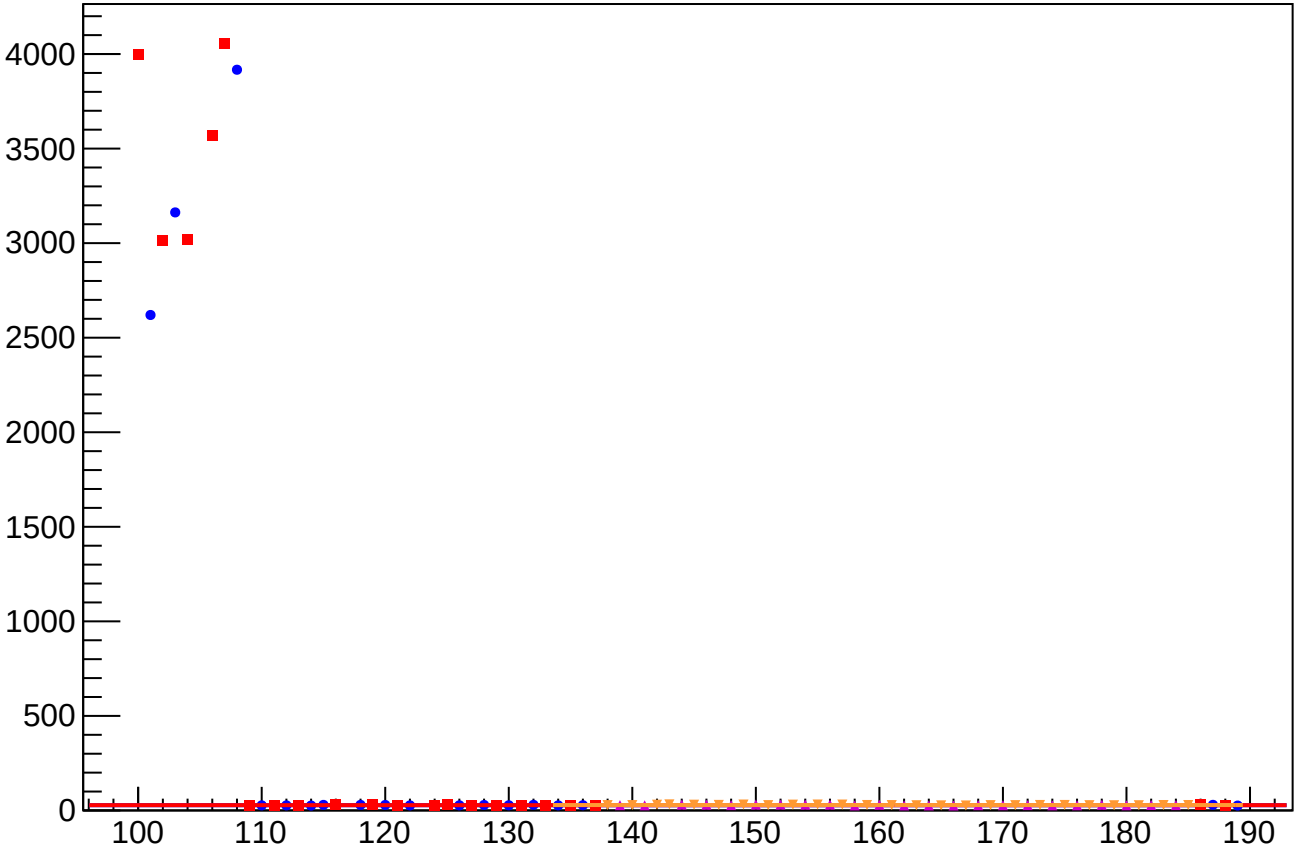
Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

+ sign -7.507+/-5.625 χ^2/NDF: 38.1/42

All: -7.404+/-4.005 χ^2/NDF: 87.3/86

- sign -7.298+/-5.705 χ^2/NDF: 49.2/43

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.674+/-0.008 χ^2/NDF: 3273467.6/17

Left Out: 28.707+/-0.005 χ^2/NDF:98865.9/24

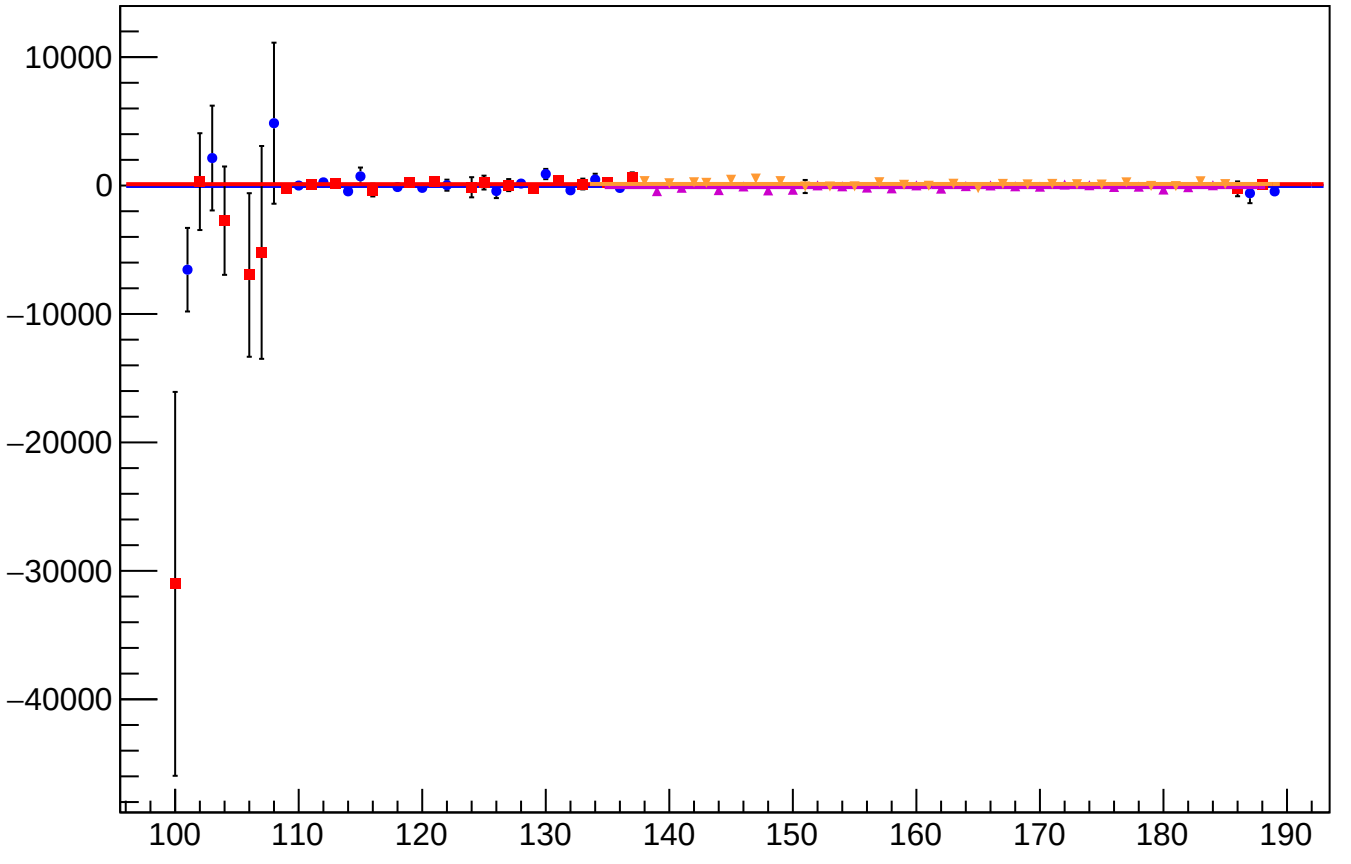
Right Out: 27.971+/-0.008 χ^2/NDF: 3568773.0/20

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

+ sign 28.438+/-0.004 χ^2/NDF: 3385338.4/42

All: 28.476+/-0.003 χ^2/NDF: 7088794.1/86

- sign 28.514+/-0.004 χ^2/NDF: 3703274.8/43



Right In: -32.164+/-82.855 χ^2/NDF: 20.2/17

Left Out: 122.864+/-47.300 χ^2/NDF:11.3/24

Right Out: 107.476+/-74.975 χ^2/NDF: 14.2/20

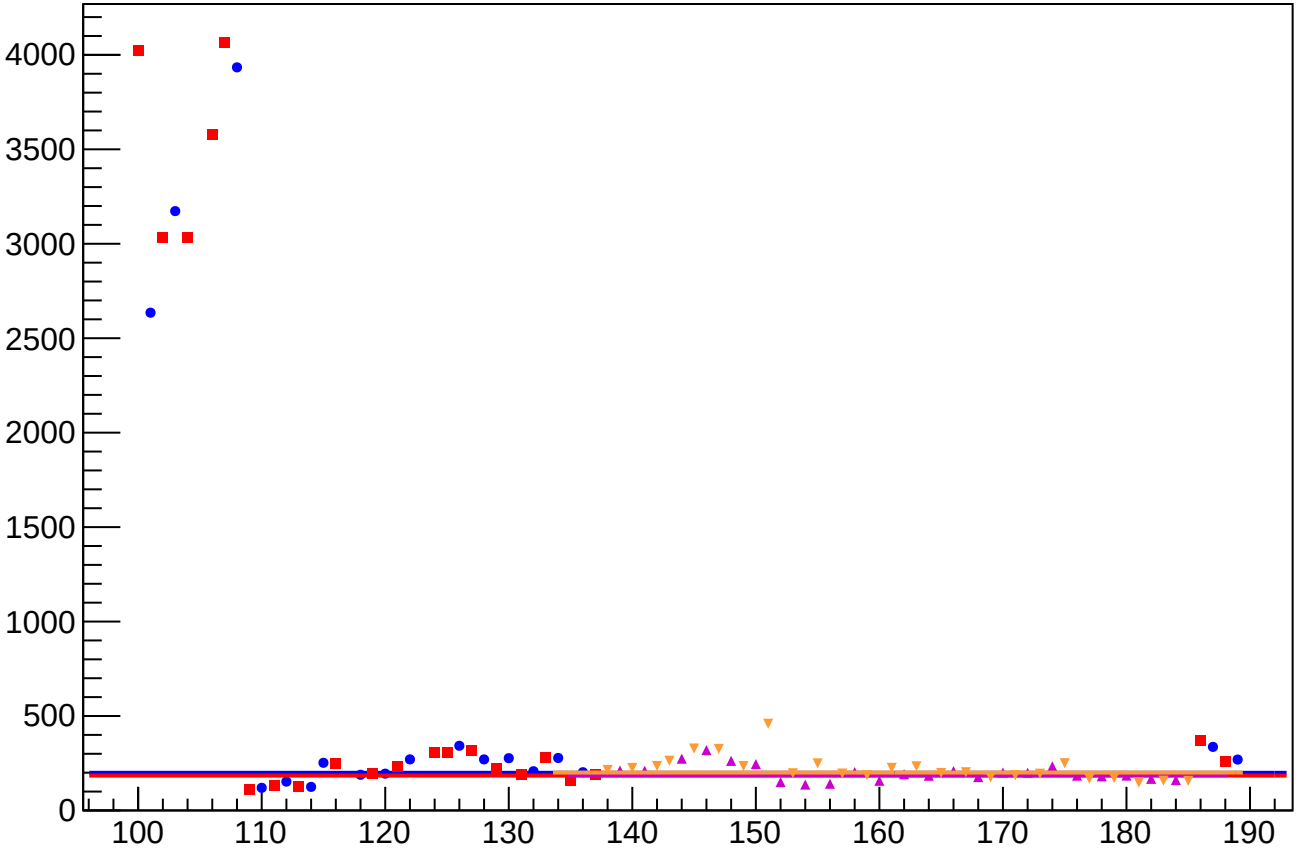
Left In: -123.046+/-45.269 χ^2/NDF:8.5/22

+ sign 84.759+/-41.077 χ^2/NDF: 34.2/42

All: 7.396+/-28.188 χ^2/NDF: 70.5/86

- sign -61.459+/-38.753 χ^2/NDF: 29.6/43

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 199.321+/-0.059 χ^2/NDF: 3926019.2/17

Left Out: 200.686+/-0.033 χ^2/NDF:1880083.2/24

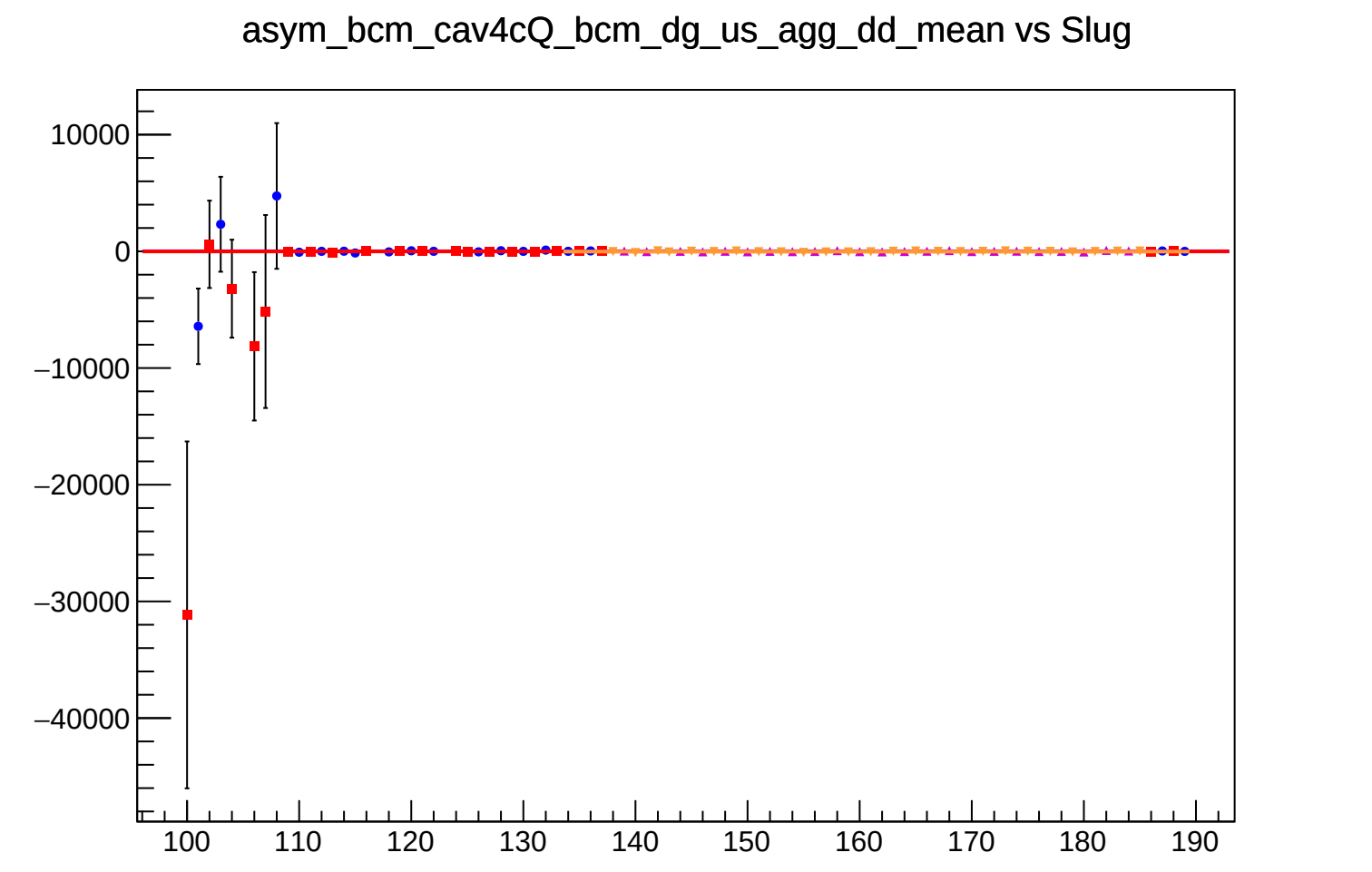
Right Out: 184.734+/-0.053 χ^2/NDF: 4645715.0/20

Left In: 186.169+/-0.032 χ^2/NDF:1413387.1/22

+ sign 200.350+/-0.029 χ^2/NDF: 5806511.8/42

All: 192.644+/-0.020 χ^2/NDF: 11999181.8/86

- sign 185.786+/-0.027 χ^2/NDF: 6059639.3/43



Right In: 5.519+/-13.425 χ^2/NDF: 17.6/17

Left Out: -21.228+/-7.835 χ^2/NDF:22.9/24

Right Out: -7.028+/-13.024 χ^2/NDF: 25.9/20

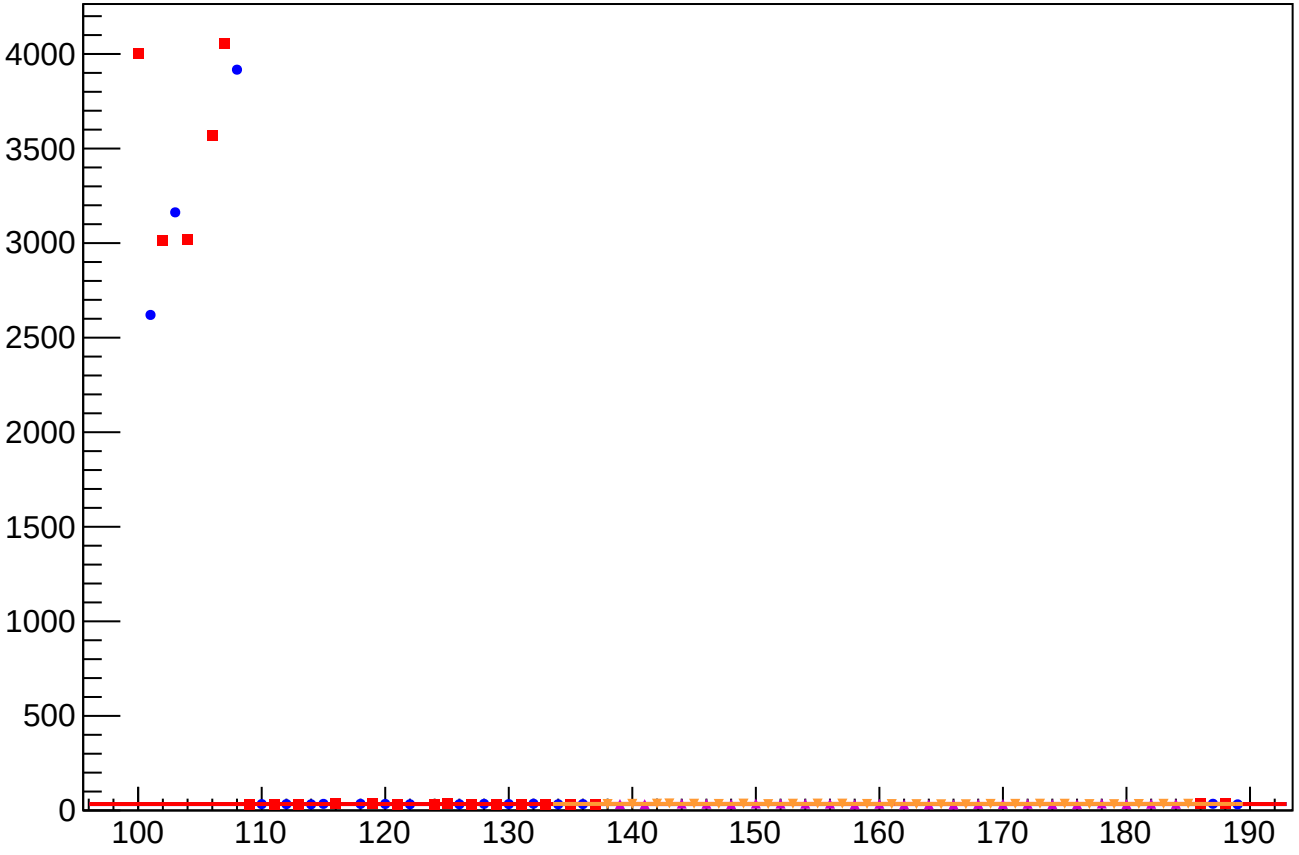
Left In: 4.029+/-8.083 χ^2/NDF:18.9/22

+ sign -14.432+/-6.767 χ^2/NDF: 43.5/42

All: -6.853+/-4.820 χ^2/NDF: 91.3/86

- sign 0.954+/-6.868 χ^2/NDF: 45.3/43

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.779+/-0.009 χ^2/NDF: 3247743.6/17

Left Out: 34.439+/-0.006 χ^2/NDF:44686.3/24

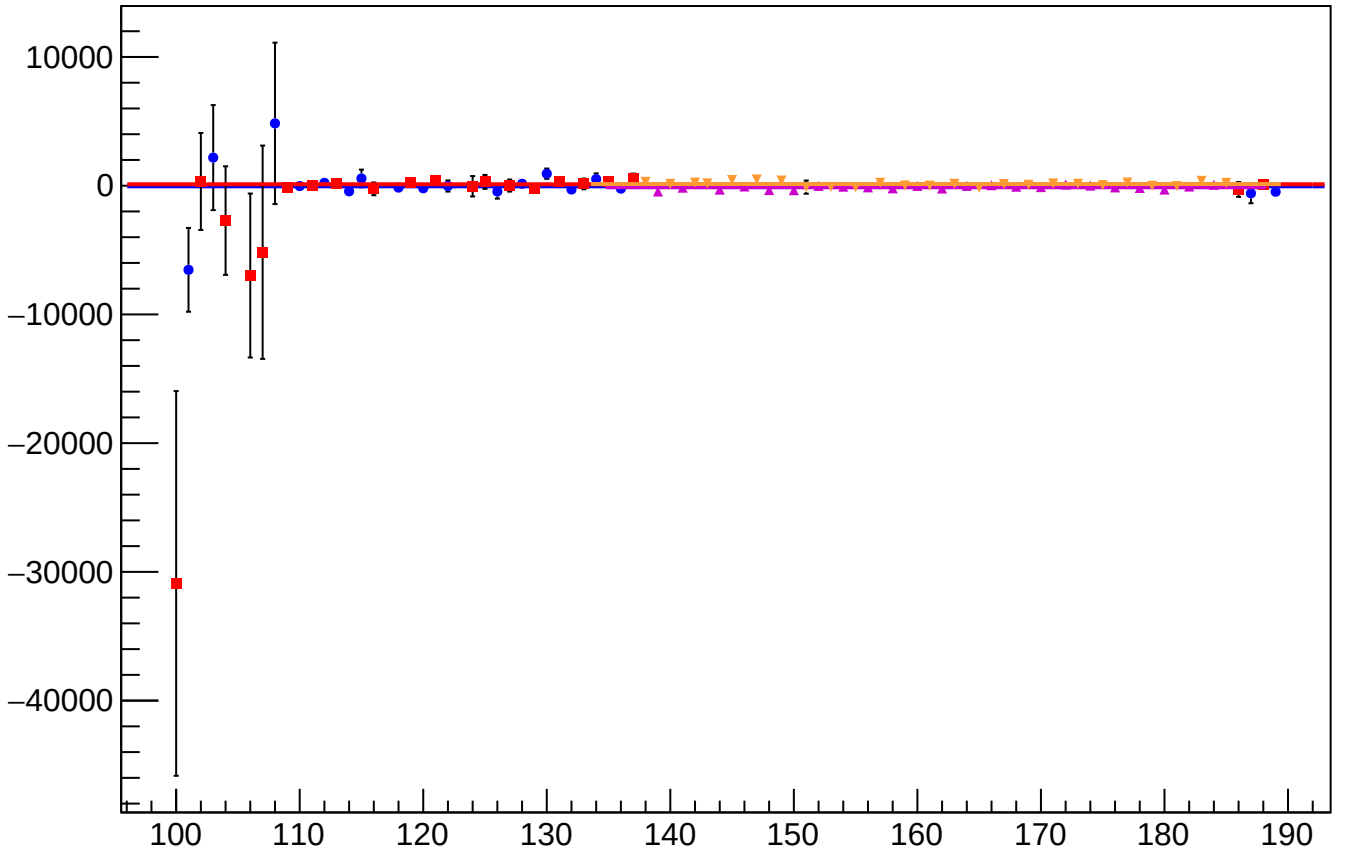
Right Out: 33.990+/-0.009 χ^2/NDF: 3533925.8/20

Left In: 34.552+/-0.006 χ^2/NDF:59280.9/22

+ sign 34.271+/-0.005 χ^2/NDF: 3296030.0/42

All: 34.332+/-0.003 χ^2/NDF: 6892261.1/86

- sign 34.396+/-0.005 χ^2/NDF: 3595897.1/43



Right In: -48.308+/-82.444 χ^2/NDF: 20.1/17

Left Out: 127.689+/-47.228 χ^2/NDF:11.6/24

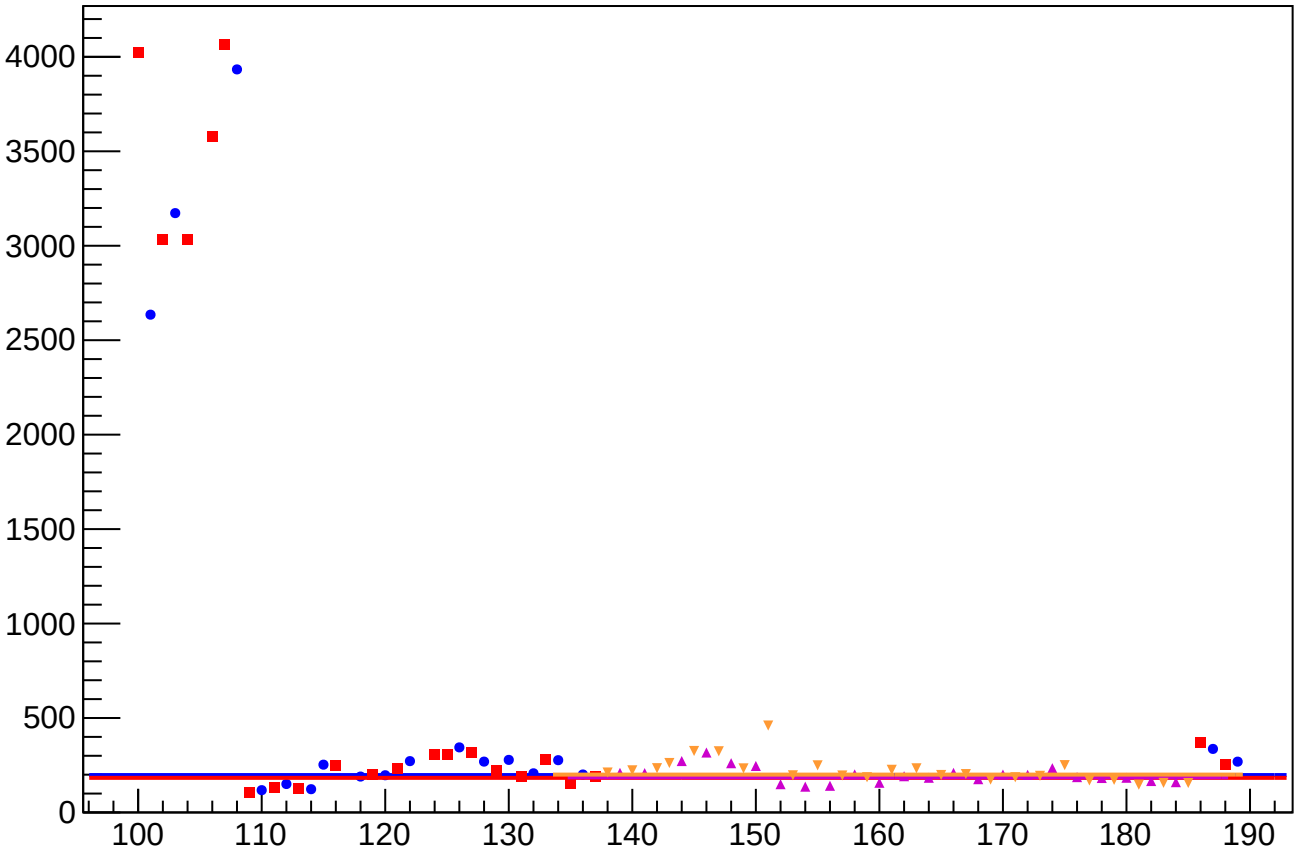
Right Out: 111.365+/-74.522 χ^2/NDF: 13.8/20

Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

\+ sign 84.204+/-40.980 χ^2/NDF: 35.2/42

All: 7.967+/-28.116 χ^2/NDF: 70.7/86

\- sign -59.832+/-38.646 χ^2/NDF: 29.0/43



Right In: 197.956+/-0.058 χ^2/NDF: 3967876.1/17

Left Out: 200.372+/-0.033 χ^2/NDF:1876533.6/24

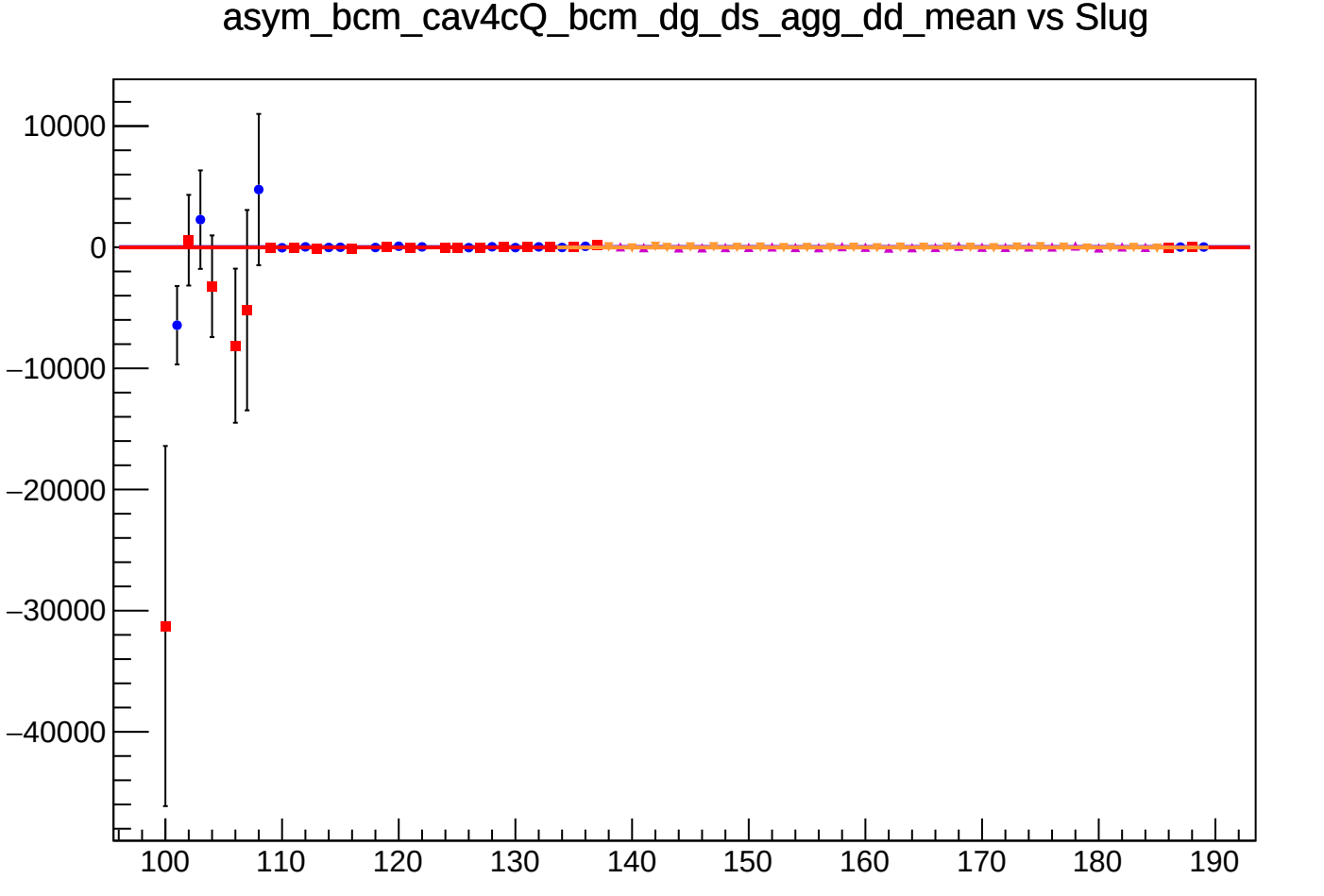
Right Out: 183.200+/-0.053 χ^2/NDF: 4700390.0/20

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 199.775+/-0.029 χ^2/NDF: 5845702.9/42

All: 192.036+/-0.020 χ^2/NDF: 12088268.9/86

- sign 185.153+/-0.027 χ^2/NDF: 6107794.6/43



Right In: 13.859+/-12.230 χ^2/NDF: 15.5/17

Left Out: -18.581+/-7.135 χ^2/NDF:20.4/24

Right Out: -17.242+/-11.868 χ^2/NDF: 30.8/20

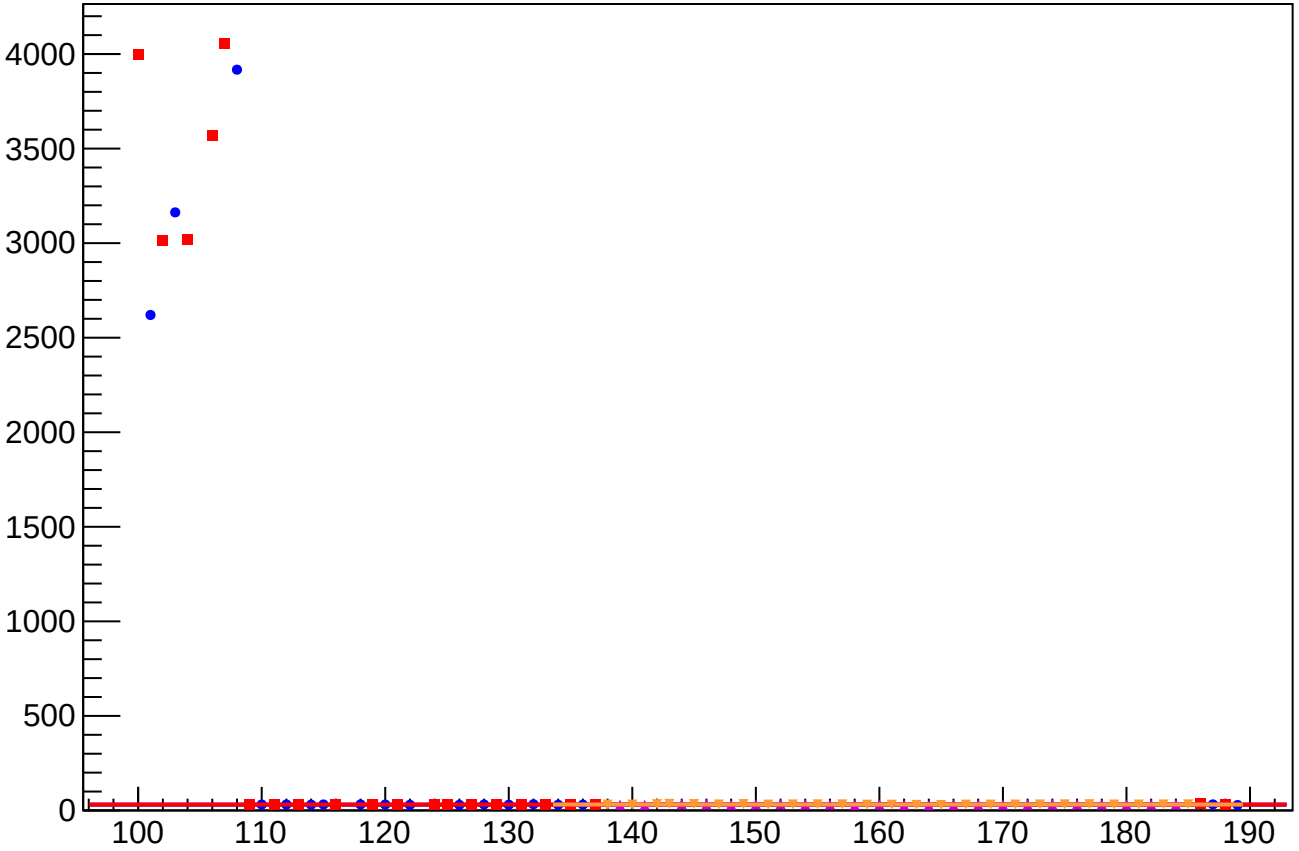
Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

+ sign -10.344+/-6.163 χ^2/NDF: 41.1/42

All: -6.633+/-4.387 χ^2/NDF: 110.2/86

- sign -2.819+/-6.247 χ^2/NDF: 68.4/43

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.743+/-0.009 χ^2/NDF: 3259054.5/17

Left Out: 31.340+/-0.005 χ^2/NDF:63017.9/24

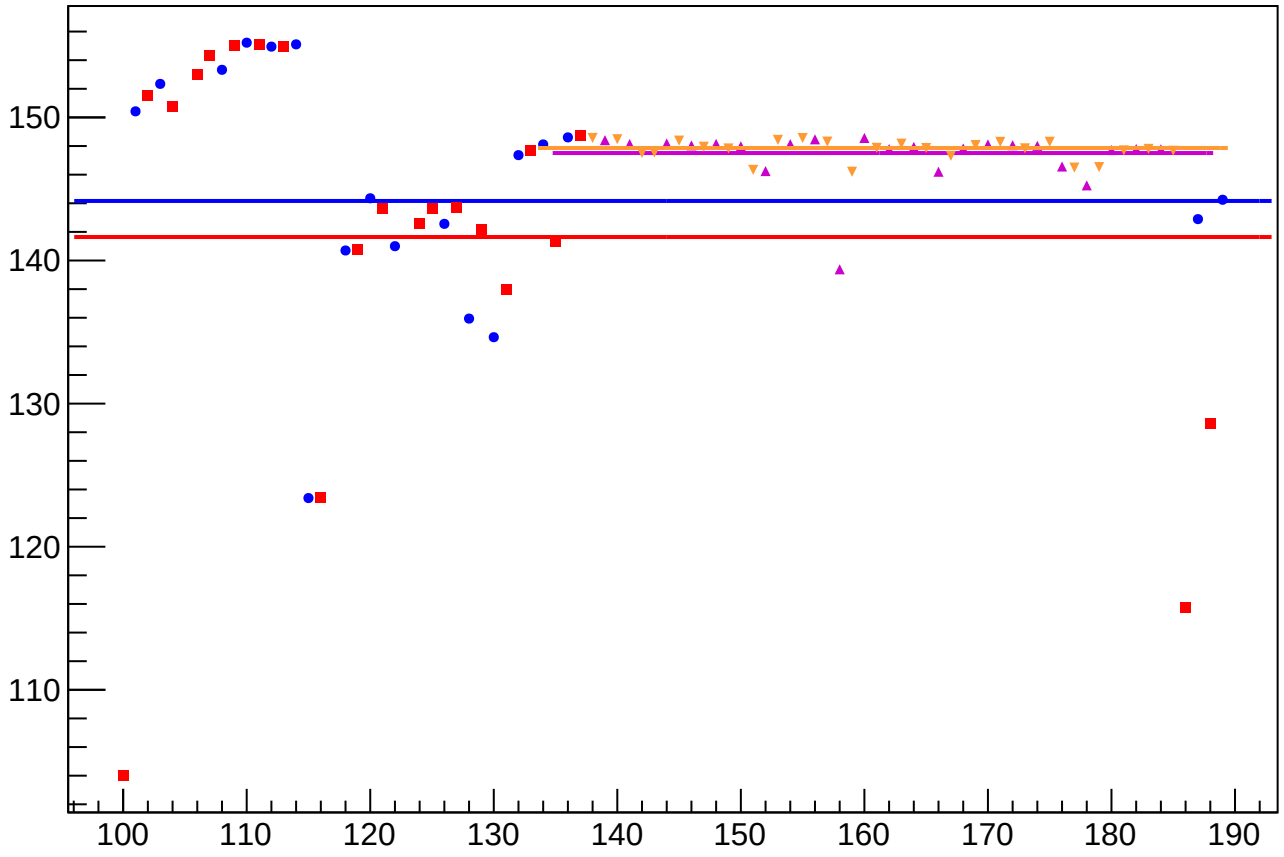
Right Out: 30.939+/-0.008 χ^2/NDF: 3545593.9/20

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

+ sign 31.188+/-0.004 χ^2/NDF: 3325624.7/42

All: 31.222+/-0.003 χ^2/NDF: 6958565.7/86

- sign 31.257+/-0.004 χ^2/NDF: 3632817.4/43



Right In: 144.162+/-0.000 χ^2/NDF: 3726122611.2/17

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 141.642+/-0.000 χ^2/NDF: 7391814143.2/20

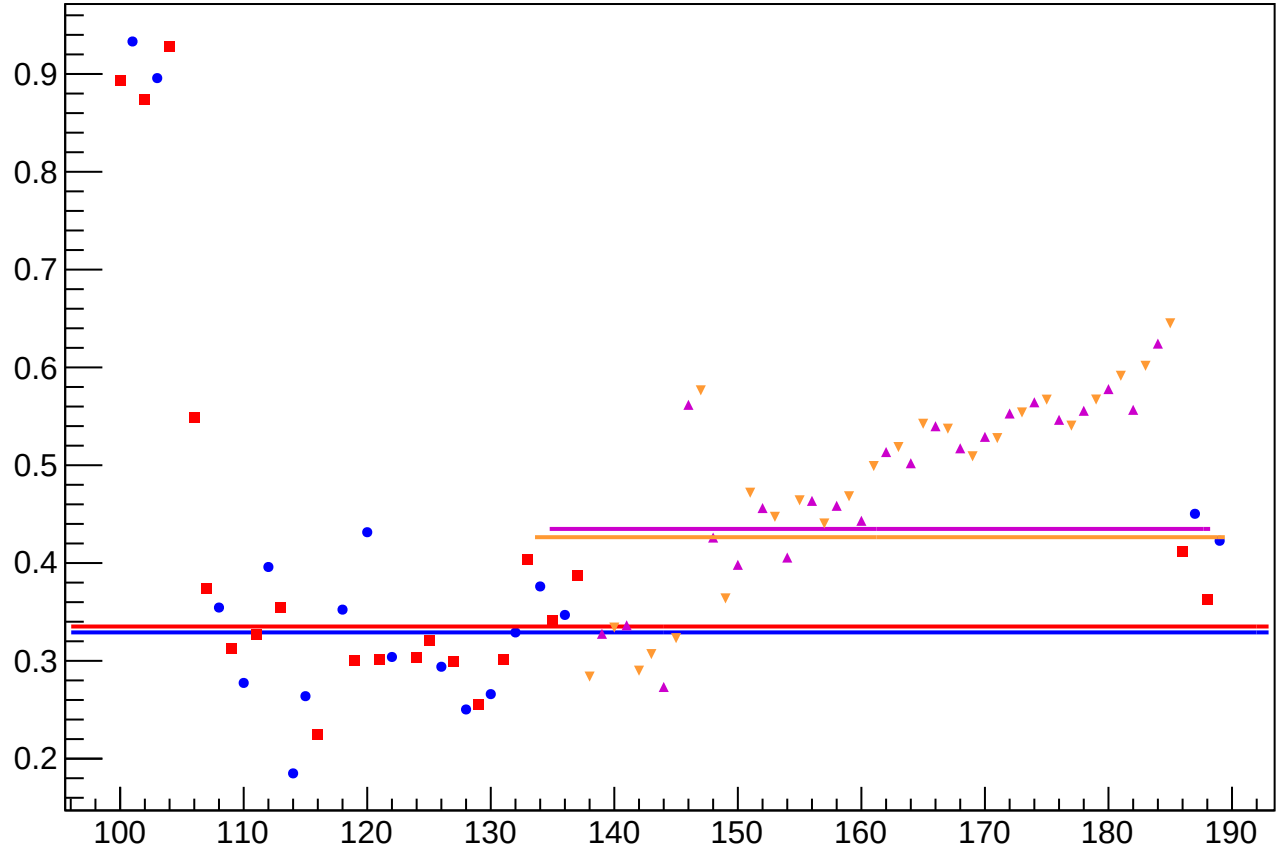
Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 146.441+/-0.000 χ^2/NDF: 4282375667.3/42

All: 145.737+/-0.000 χ^2/NDF: 13441289294.

- sign 145.021+/-0.000 χ^2/NDF: 9001509793.5/43

yield_bcm_target_rms vs Slug



Right In: 0.329+/-0.000 χ^2/NDF: 1472196.2/17

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

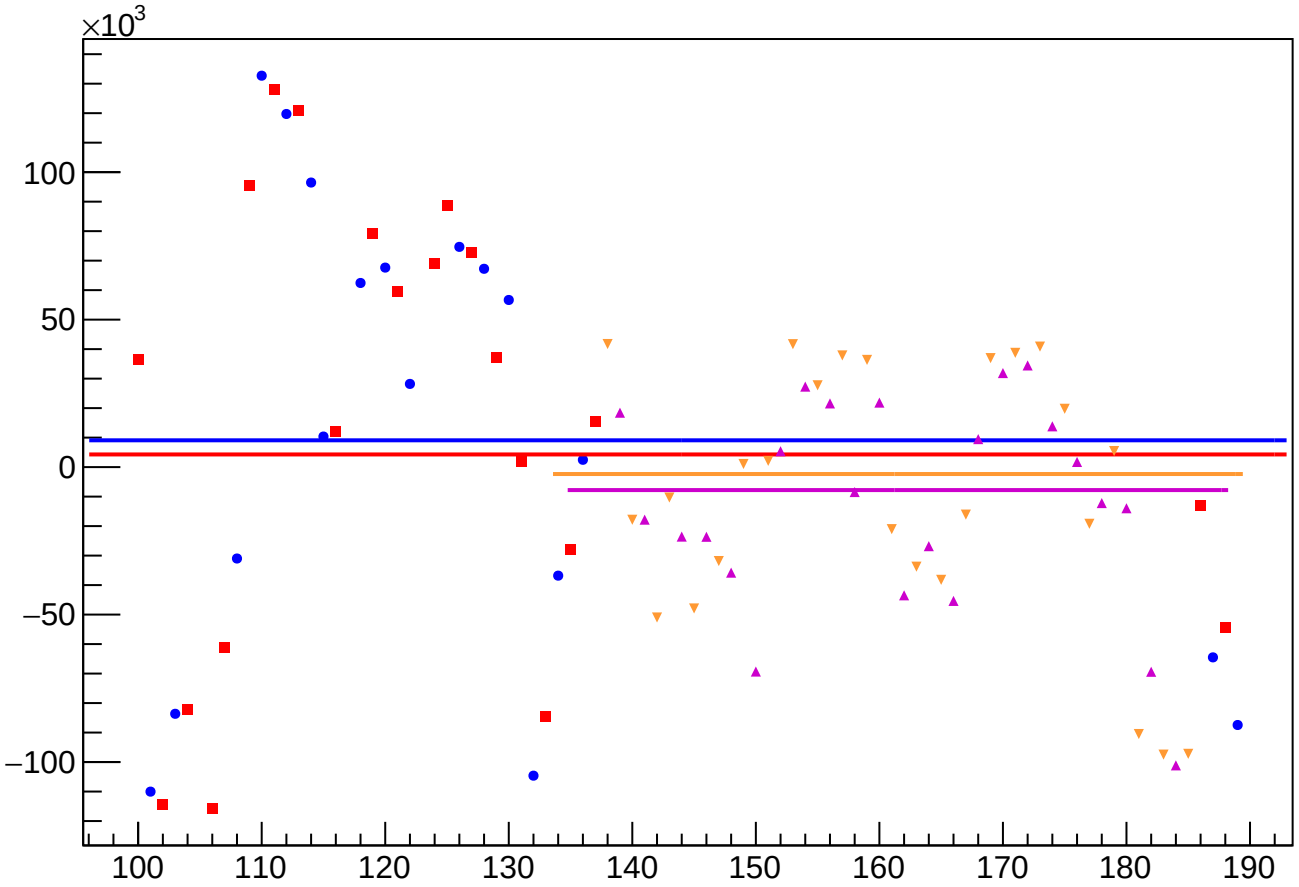
Right Out: 0.335+/-0.000 χ^2/NDF: 1346786.9/20

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

+ sign 0.389+/-0.000 χ^2/NDF: 4438288.0/42

All: 0.391+/-0.000 χ^2/NDF: 8315211.1/86

- sign 0.393+/-0.000 χ^2/NDF: 3874952.1/43



Right In: 9086.555+/-1.916 χ^2/NDF: 1610690472.2/17

Left Out: -2344.855+/-1.123 χ^2/NDF:1230029339.6/24

Right Out: 4293.150+/-1.755 χ^2/NDF: 2017483461.3/20

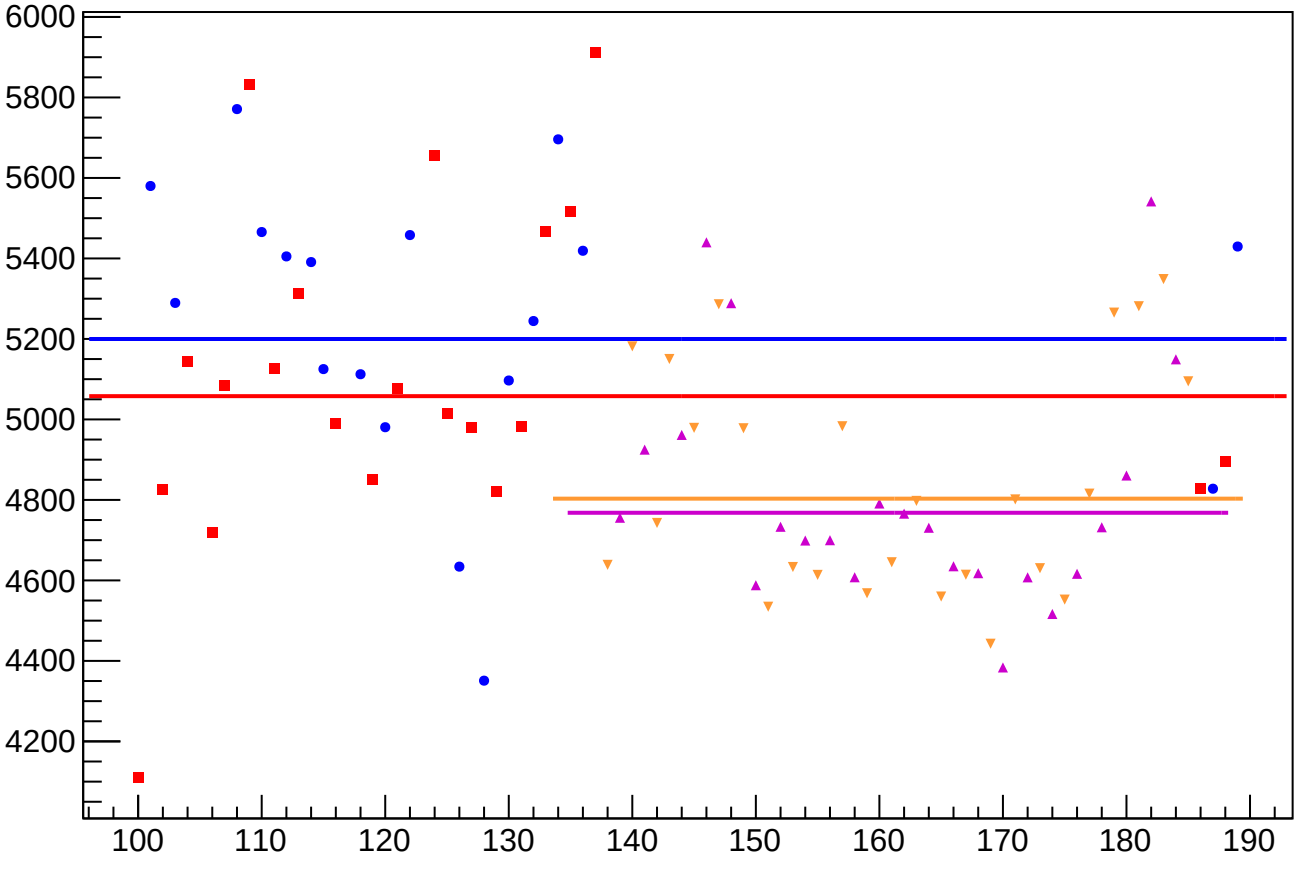
Left In: -7787.808+/-1.145 χ^2/NDF:762496621.5/22

+ sign 579.338+/-0.969 χ^2/NDF: 2867213646.4/42

All: -1827.064+/-0.682 χ^2/NDF: 5692647254

- sign -4182.387+/-0.959 χ^2/NDF: 2813230124.9/43

yield_bcm_an_diff_rms vs Slug



Right In: 5199.840+/-1.355 χ^2/NDF: 80924.7/17

Left Out: 4803.136+/-0.794 χ^2/NDF:114681.5/24

Right Out: 5057.816+/-1.241 χ^2/NDF: 63646.0/20

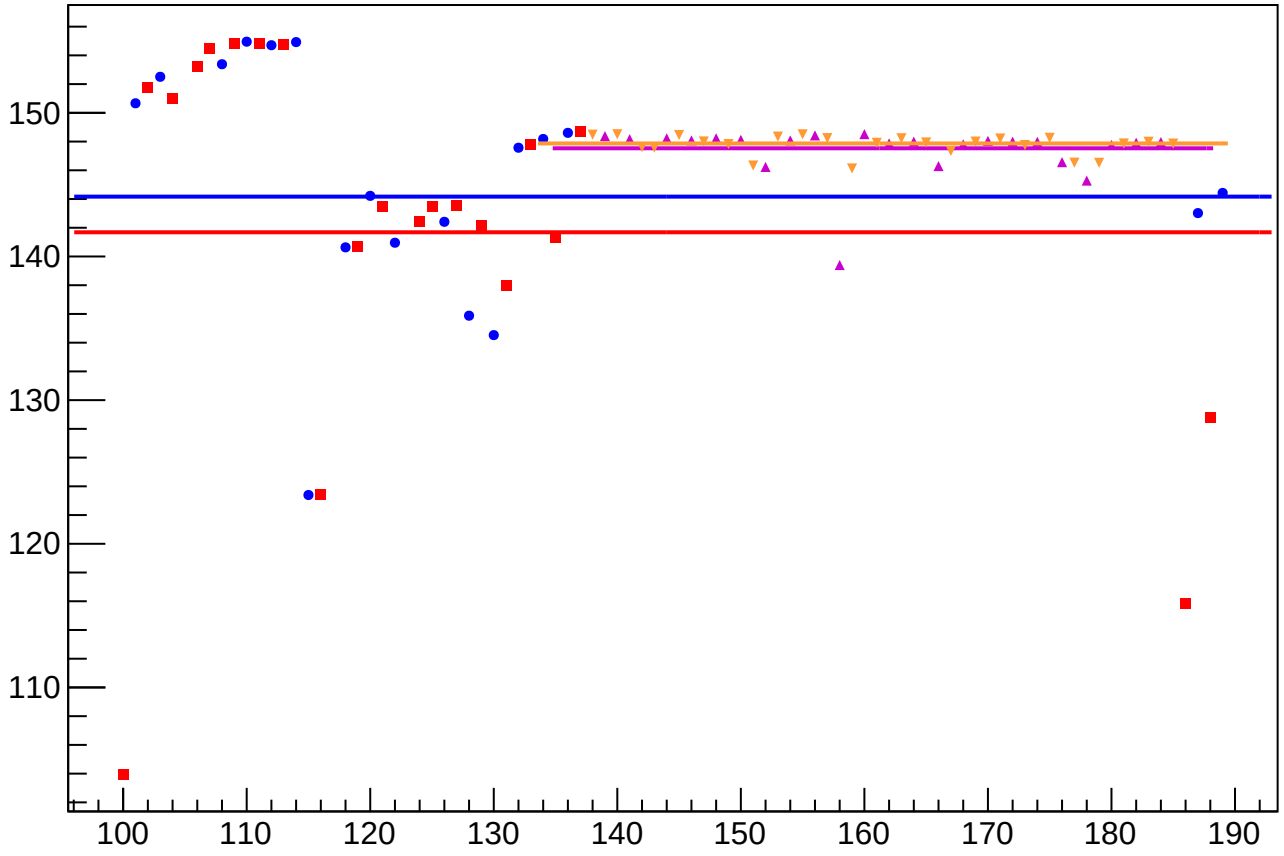
Left In: 4768.055+/-0.809 χ^2/NDF:102355.5/22

+ sign 4904.615+/-0.685 χ^2/NDF: 259418.9/42

All: 4879.304+/-0.482 χ^2/NDF: 466376.5/86

- sign 4854.531+/-0.678 χ^2/NDF: 204257.5/43

yield_bcm_an_ds_mean vs Slug



Right In: 144.167+/-0.000 χ^2/NDF: 3766120620.4/17

Left Out: 147.870+/-0.000 χ^2/NDF:44483332.4/24

Right Out: 141.685+/-0.000 χ^2/NDF: 7362855292.6/20

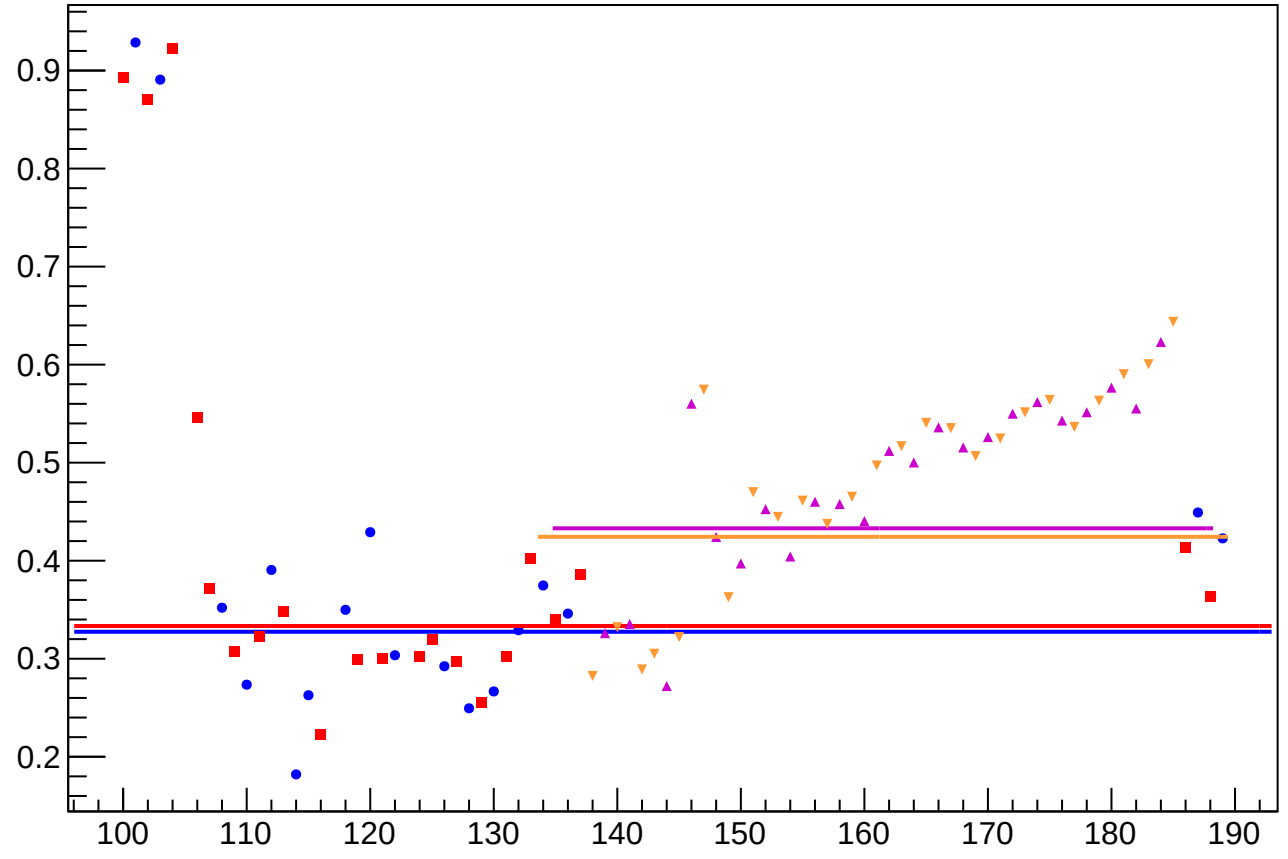
Left In: 147.532+/-0.000 χ^2/NDF:307143604.6/22

+ sign 146.446+/-0.000 χ^2/NDF: 4326905521.8/42

All: 145.754+/-0.000 χ^2/NDF: 13456452610.

- sign 145.049+/-0.000 χ^2/NDF: 8975613953.1/43

yield_bcm_an_ds_rms vs Slug



Right In: 0.328+/-0.000 χ^2/NDF: 1474417.9/17

Left Out: 0.424+/-0.000 χ^2/NDF:2260723.7/24

Right Out: 0.333+/-0.000 χ^2/NDF: 1349855.1/20

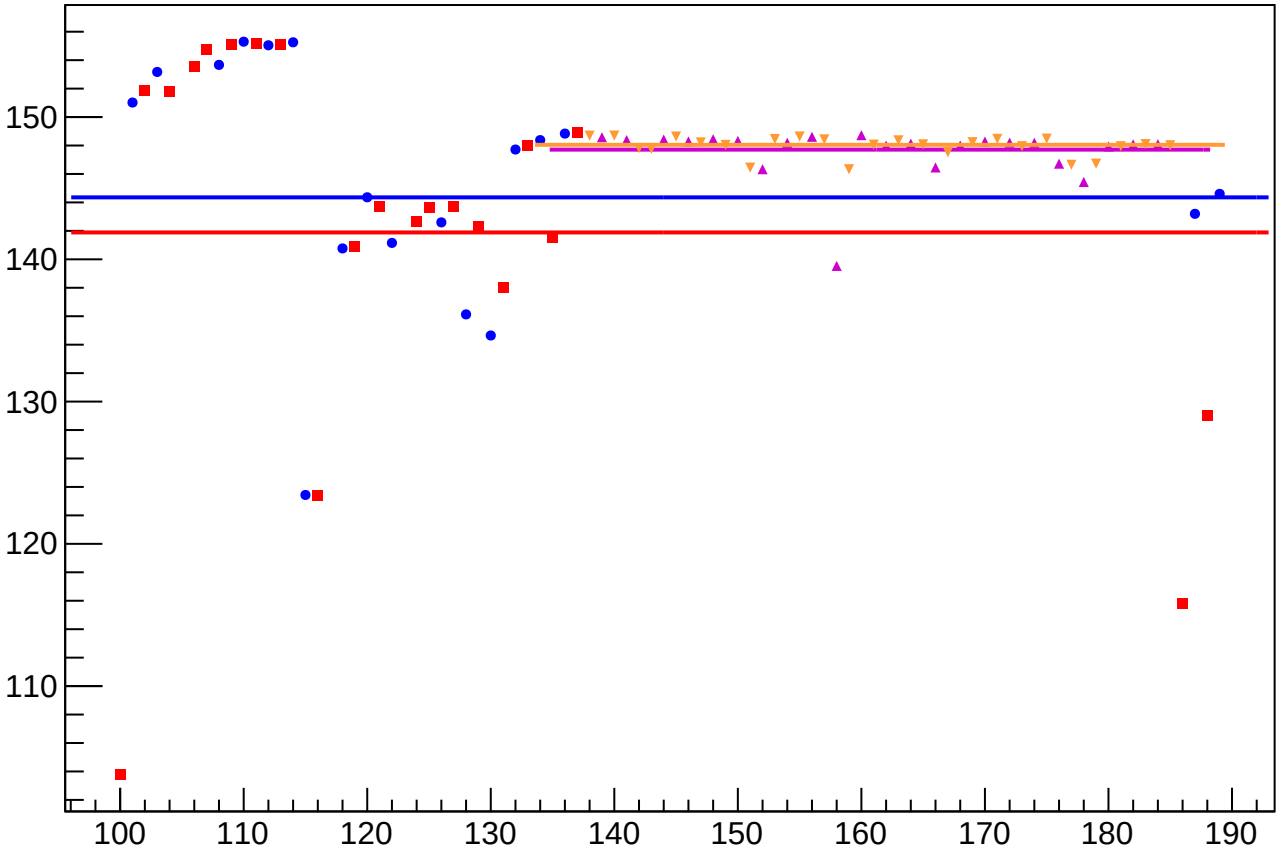
Left In: 0.433+/-0.000 χ^2/NDF:1771141.8/22

+ sign 0.387+/-0.000 χ^2/NDF: 4441552.5/42

All: 0.389+/-0.000 χ^2/NDF: 8323149.8/86

- sign 0.391+/-0.000 χ^2/NDF: 3879545.2/43

yield_bcm_an_ds3_mean vs Slug



Right In: 144.355+/-0.000 χ^2/NDF: 3759899101.3/17

Left Out: 148.049+/-0.000 χ^2/NDF:44901895.1/24

Right Out: 141.890+/-0.000 χ^2/NDF: 7301780575.8/20

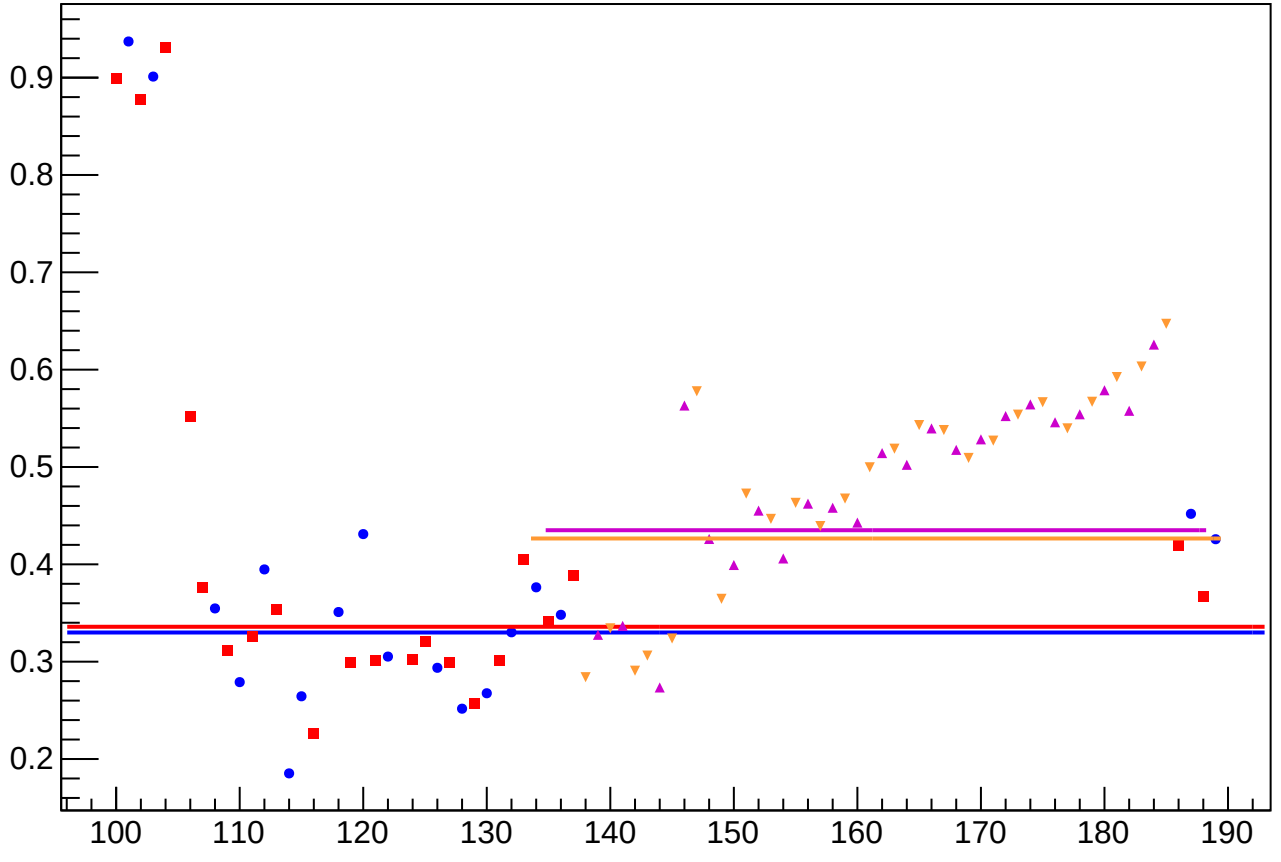
Left In: 147.710+/-0.000 χ^2/NDF:311841433.9/22

+ sign 146.633+/-0.000 χ^2/NDF: 4312111995.7/42

All: 145.946+/-0.000 χ^2/NDF: 13353101453.

- sign 145.247+/-0.000 χ^2/NDF: 8891298487.7/43

yield_bcm_an_ds3_rms vs Slug



Right In: 0.330+/-0.000 χ^2/NDF: 1470203.5/17

Left Out: 0.427+/-0.000 χ^2/NDF:2257492.3/24

Right Out: 0.336+/-0.000 χ^2/NDF: 1352873.5/20

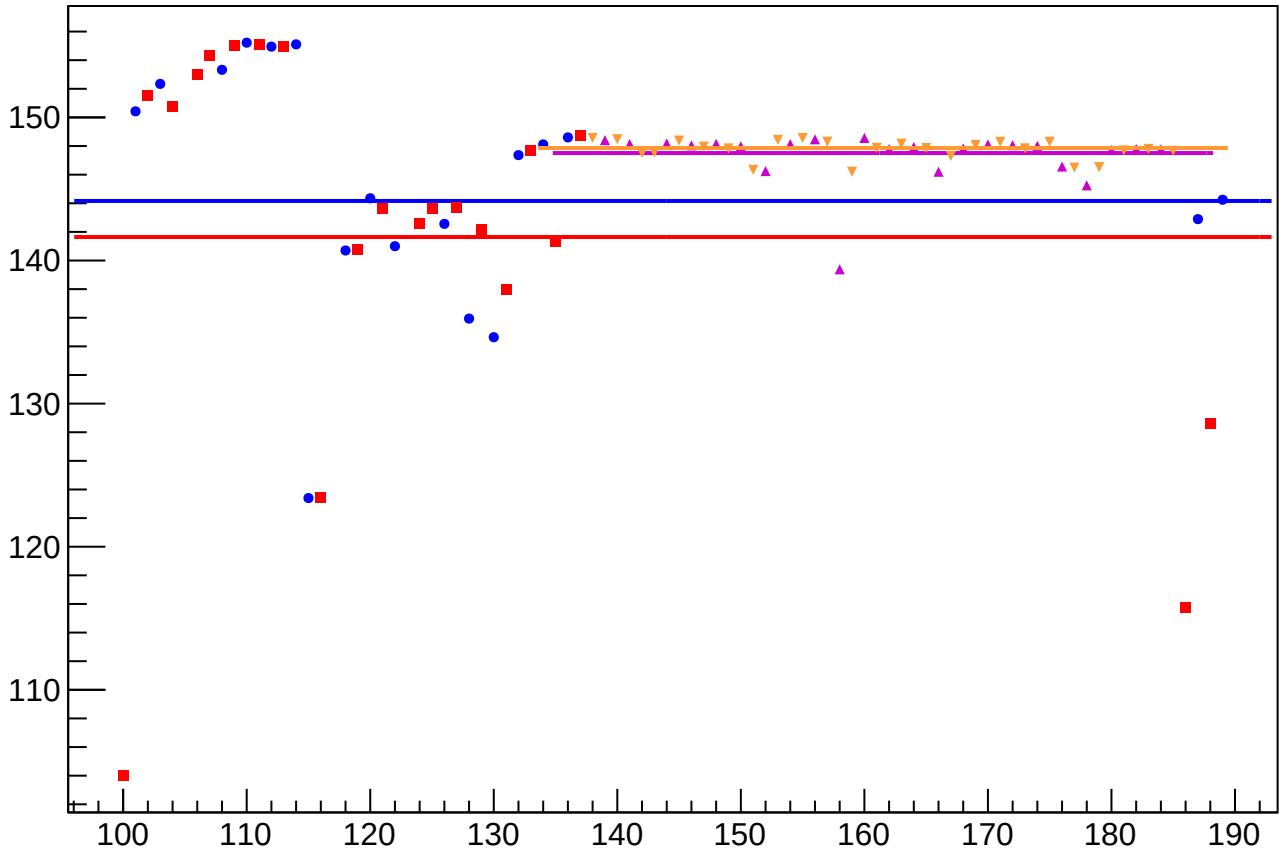
Left In: 0.435+/-0.000 χ^2/NDF:1769716.0/22

+ sign 0.390+/-0.000 χ^2/NDF: 4421301.2/42

All: 0.391+/-0.000 χ^2/NDF: 8288107.8/86

- sign 0.393+/-0.000 χ^2/NDF: 3864843.0/43

yield_bcm_an_us_mean vs Slug



Right In: 144.162+/-0.000 χ^2/NDF: 3726122611.2/17

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 141.642+/-0.000 χ^2/NDF: 7391814143.2/20

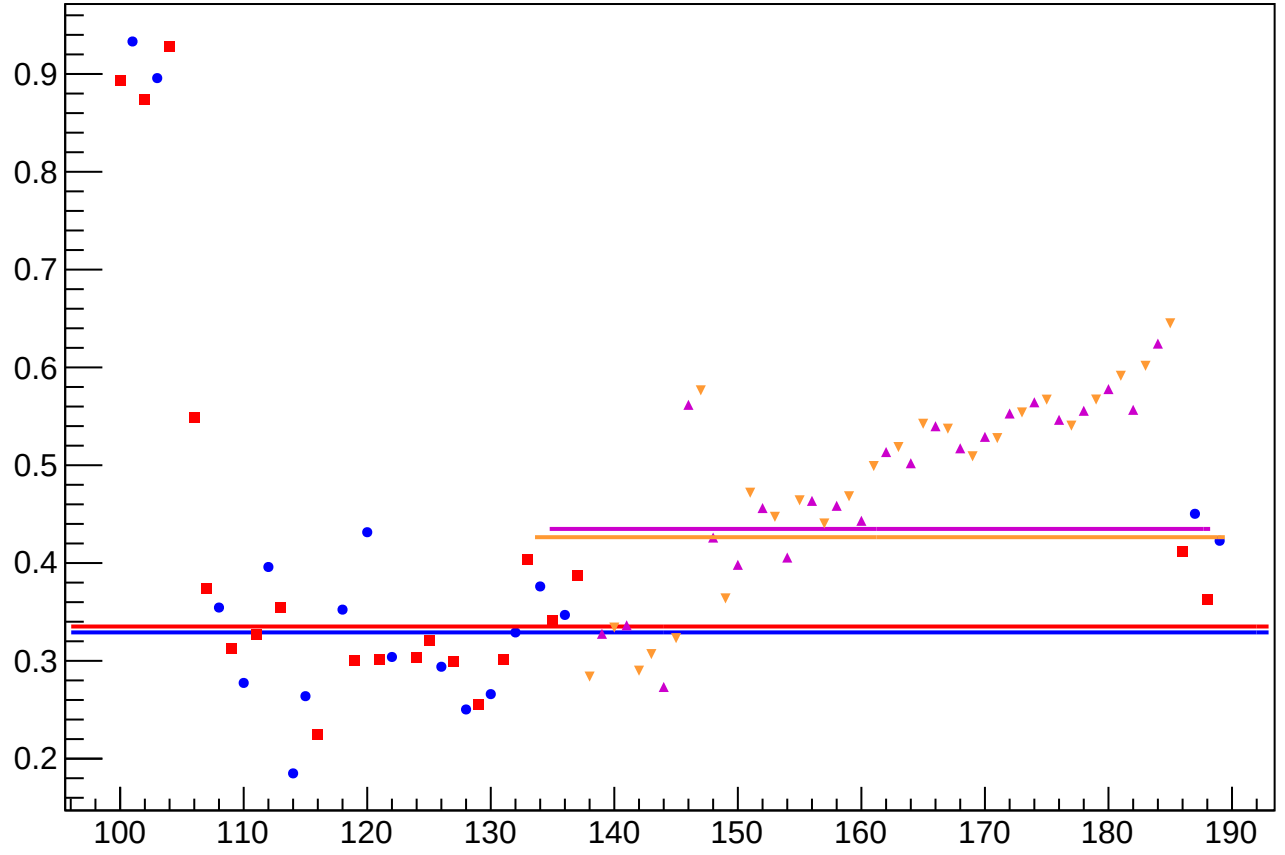
Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 146.441+/-0.000 χ^2/NDF: 4282375667.3/42

All: 145.737+/-0.000 χ^2/NDF: 13441289294.

- sign 145.021+/-0.000 χ^2/NDF: 9001509793.5/43

yield_bcm_an_us_rms vs Slug



Right In: 0.329+/-0.000 χ^2/NDF: 1472196.2/17

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

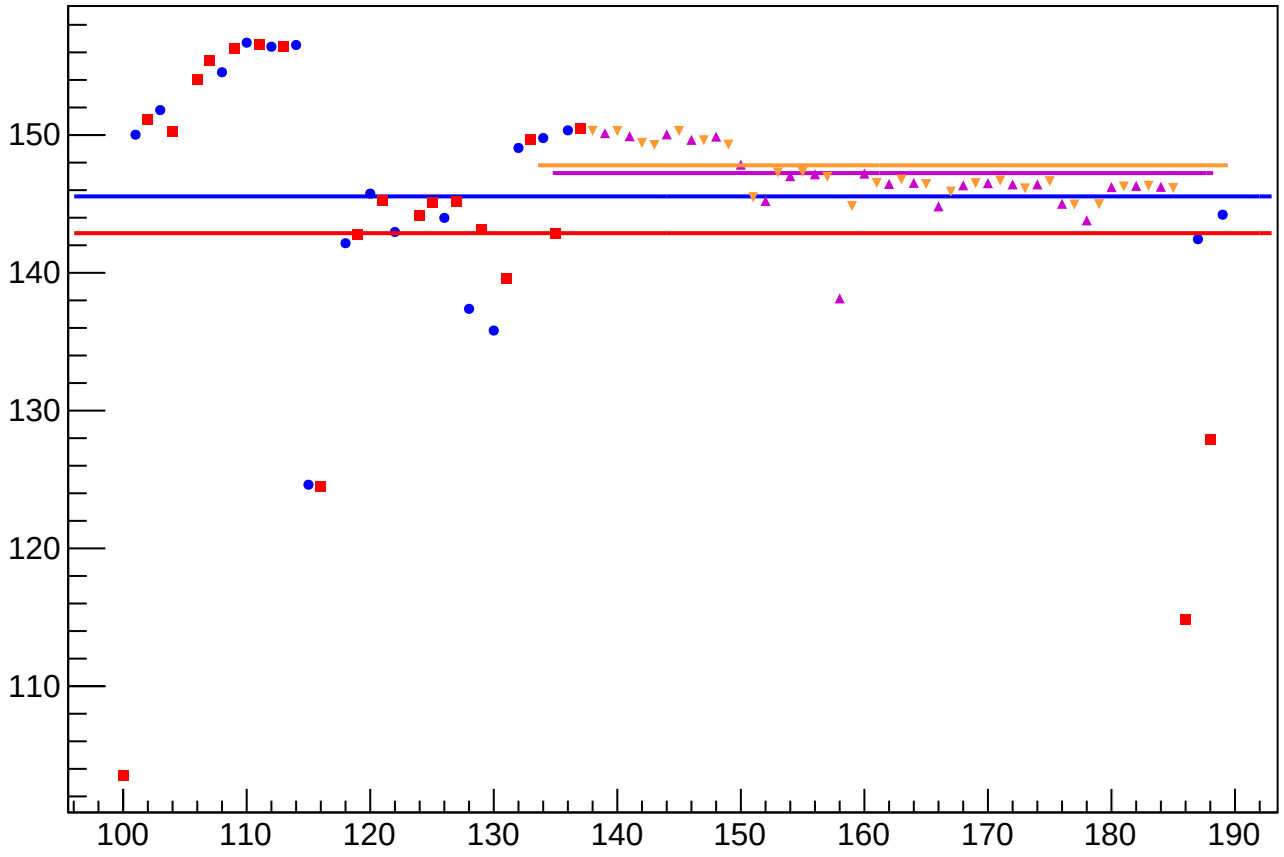
Right Out: 0.335+/-0.000 χ^2/NDF: 1346786.9/20

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

+ sign 0.389+/-0.000 χ^2/NDF: 4438288.0/42

All: 0.391+/-0.000 χ^2/NDF: 8315211.1/86

- sign 0.393+/-0.000 χ^2/NDF: 3874952.1/43



Right In: 145.547+/-0.000 χ^2/NDF: 3494270516.4/17

Left Out: 147.804+/-0.000 χ^2/NDF:327059704.2/24

Right Out: 142.879+/-0.000 χ^2/NDF: 7565030123.0/20

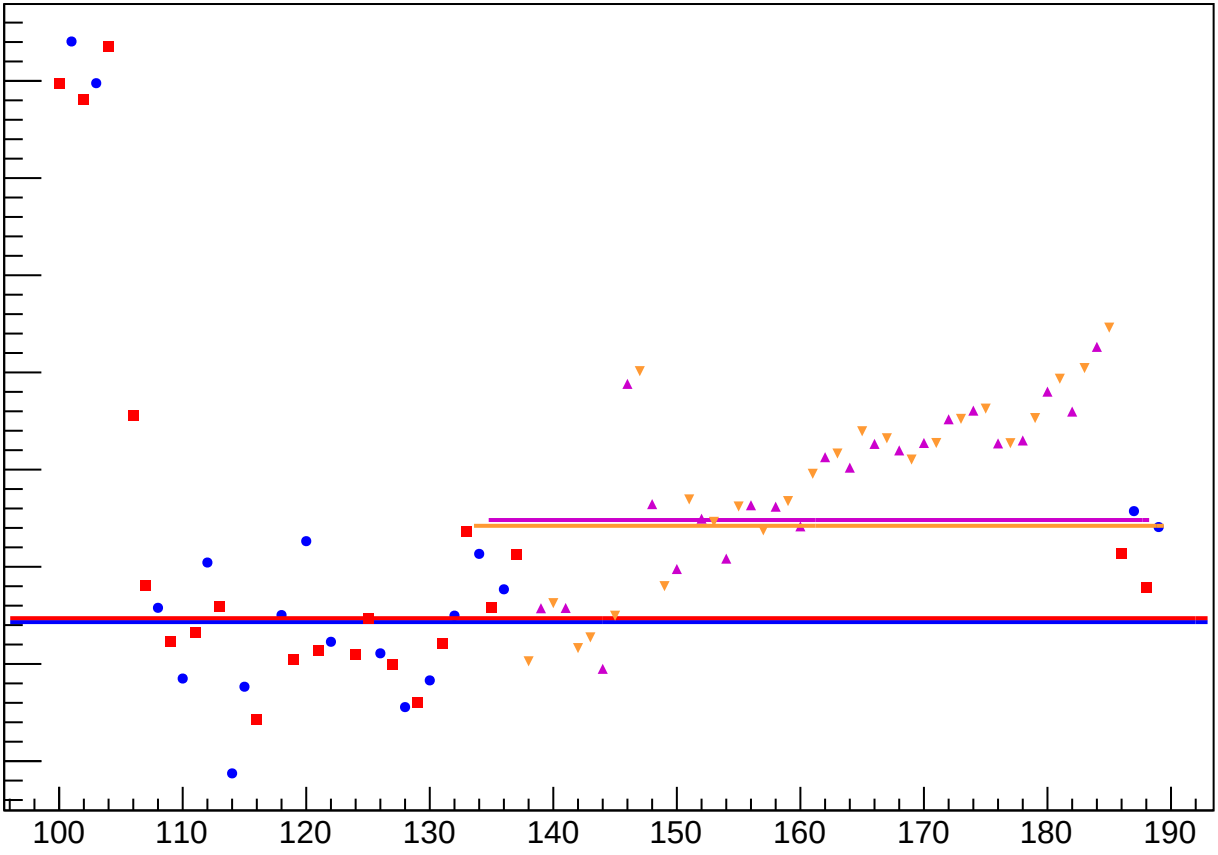
Left In: 147.241+/-0.000 χ^2/NDF:618679483.9/22

+ sign 146.950+/-0.000 χ^2/NDF: 3997794177.7/42

All: 146.185+/-0.000 χ^2/NDF: 13031004545.

- sign 145.416+/-0.000 χ^2/NDF: 8860611230.3/43

yield_bcm_dg_us_rms vs Slug



Right In: 0.343+/-0.000 χ^2/NDF: 1442863.6/17

Left Out: 0.442+/-0.000 χ^2/NDF:1704199.1/24

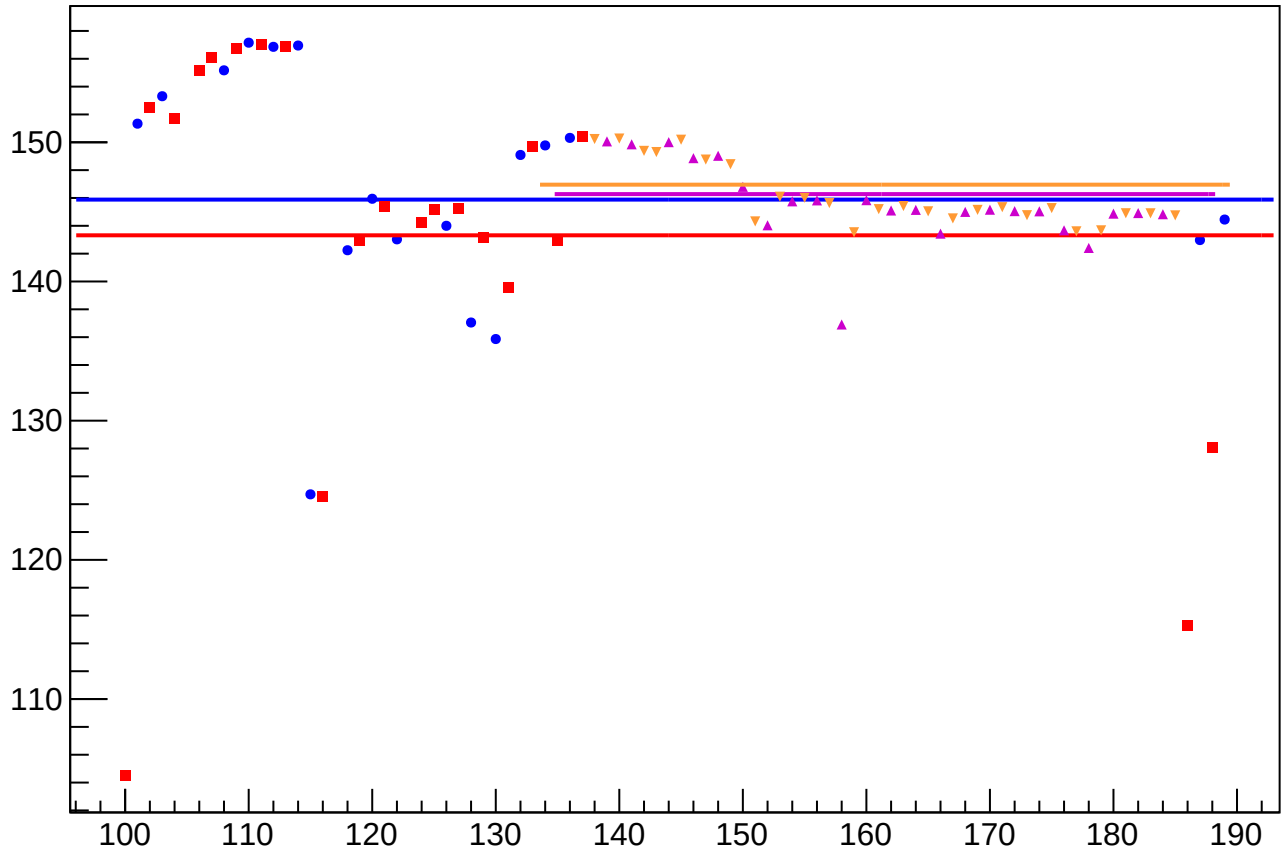
Right Out: 0.347+/-0.000 χ^2/NDF: 1312492.5/20

Left In: 0.448+/-0.000 χ^2/NDF:1347802.9/22

+ sign 0.405+/-0.000 χ^2/NDF: 3826795.3/42

All: 0.405+/-0.000 χ^2/NDF: 7213707.5/86

- sign 0.406+/-0.000 χ^2/NDF: 3386701.6/43



Right In: 145.883+/-0.000 χ^2/NDF: 3633669343.1/17

Left Out: 146.956+/-0.000 χ^2/NDF:542800379.5/24

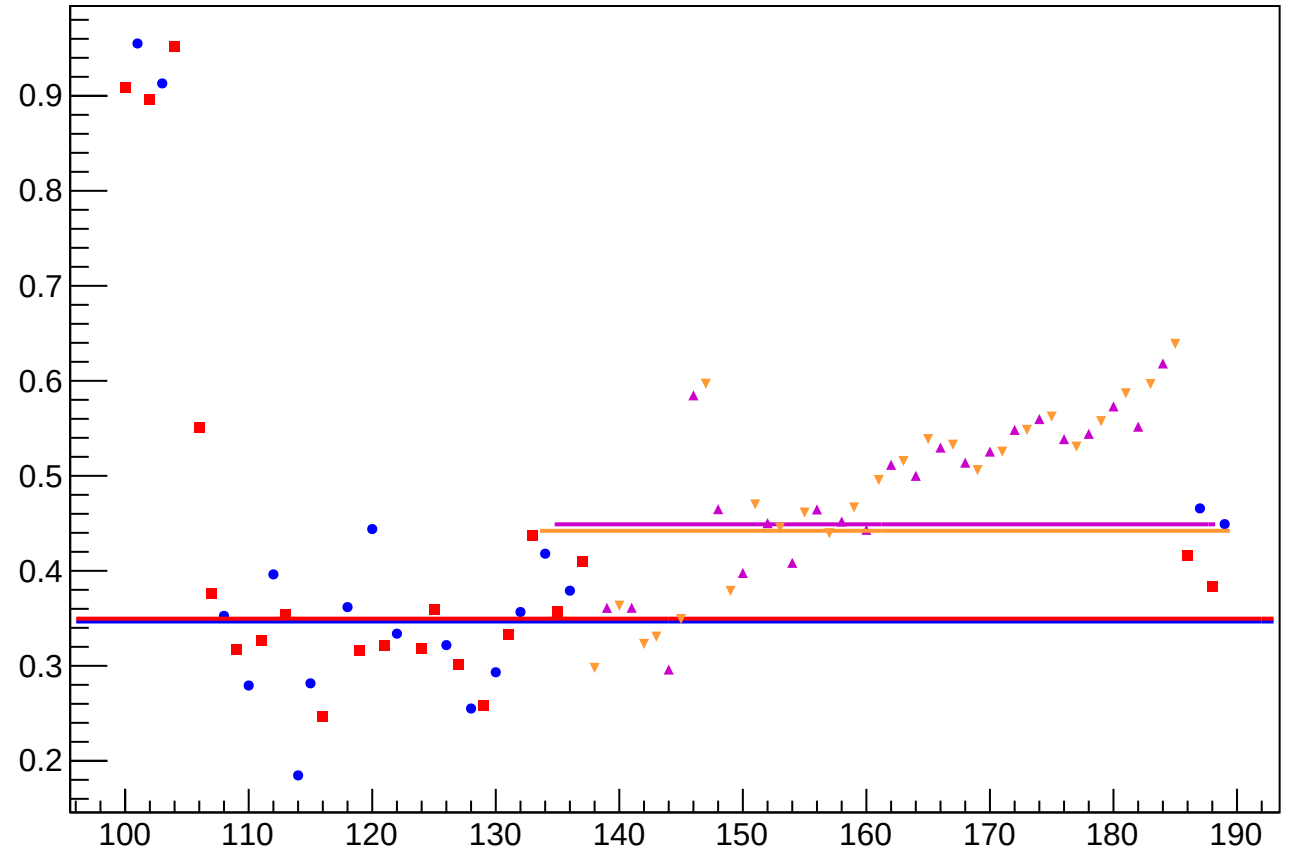
Right Out: 143.317+/-0.000 χ^2/NDF: 7649370914.2/20

Left In: 146.278+/-0.000 χ^2/NDF:825161532.5/22

+ sign 146.556+/-0.000 χ^2/NDF: 4215742377.1/42

All: 145.805+/-0.000 χ^2/NDF: 13163717959.

- sign 145.049+/-0.000 χ^2/NDF: 8782942975.6/43



Right In: 0.347+/-0.000 χ^2/NDF: 1469167.3/17

Left Out: 0.442+/-0.000 χ^2/NDF:1676682.9/24

Right Out: 0.350+/-0.000 χ^2/NDF: 1309917.2/20

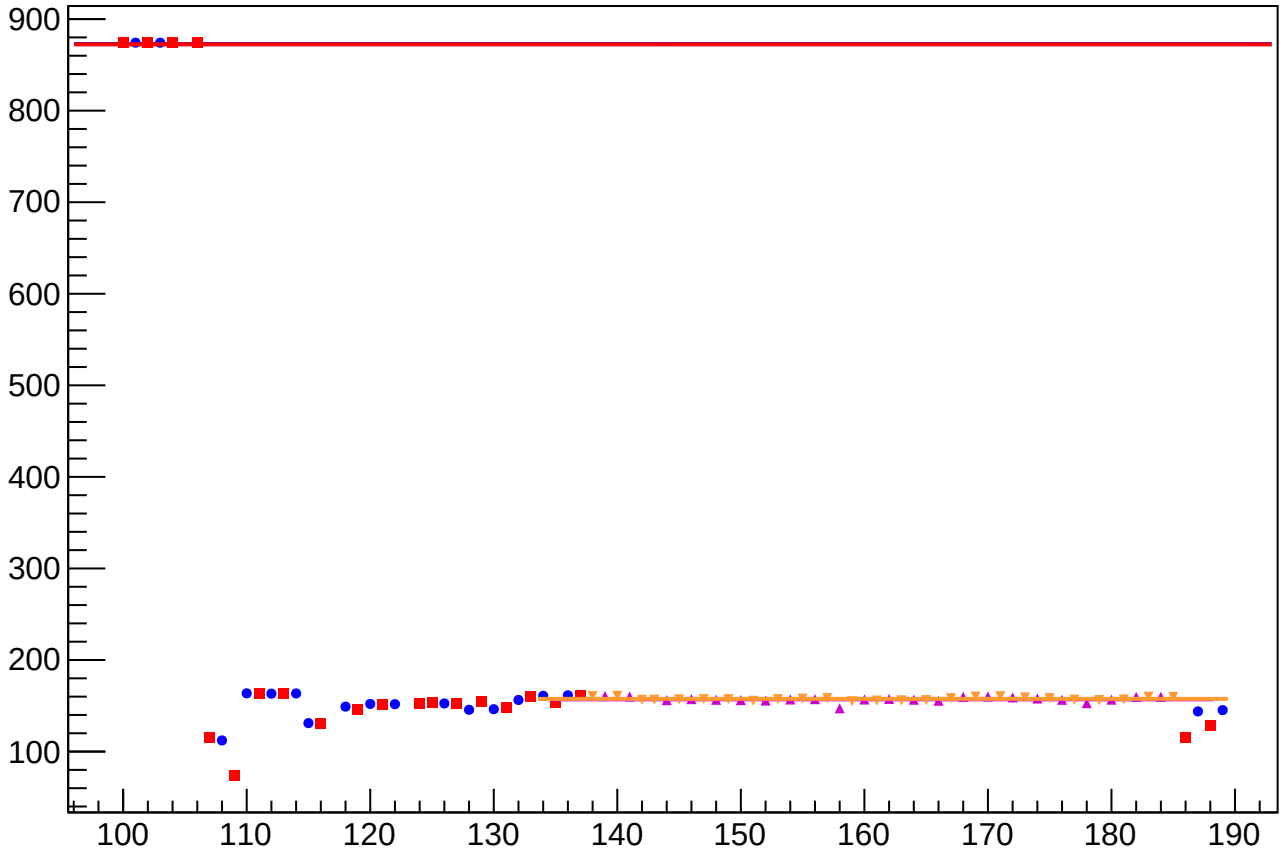
Left In: 0.449+/-0.000 χ^2/NDF:1300658.3/22

+ sign 0.407+/-0.000 χ^2/NDF: 3767052.7/42

All: 0.407+/-0.000 χ^2/NDF: 7071614.6/86

- sign 0.408+/-0.000 χ^2/NDF: 3304348.4/43

yield_cav4bQ_mean vs Slug



Right In: 872.716+/-0.000 χ^2/NDF: 7740286060919.9/17

Left Out: 157.566+/-0.000 χ^2/NDF:104641292.0/24

Right Out: 872.402+/-0.000 χ^2/NDF: 10845592962660.7/20

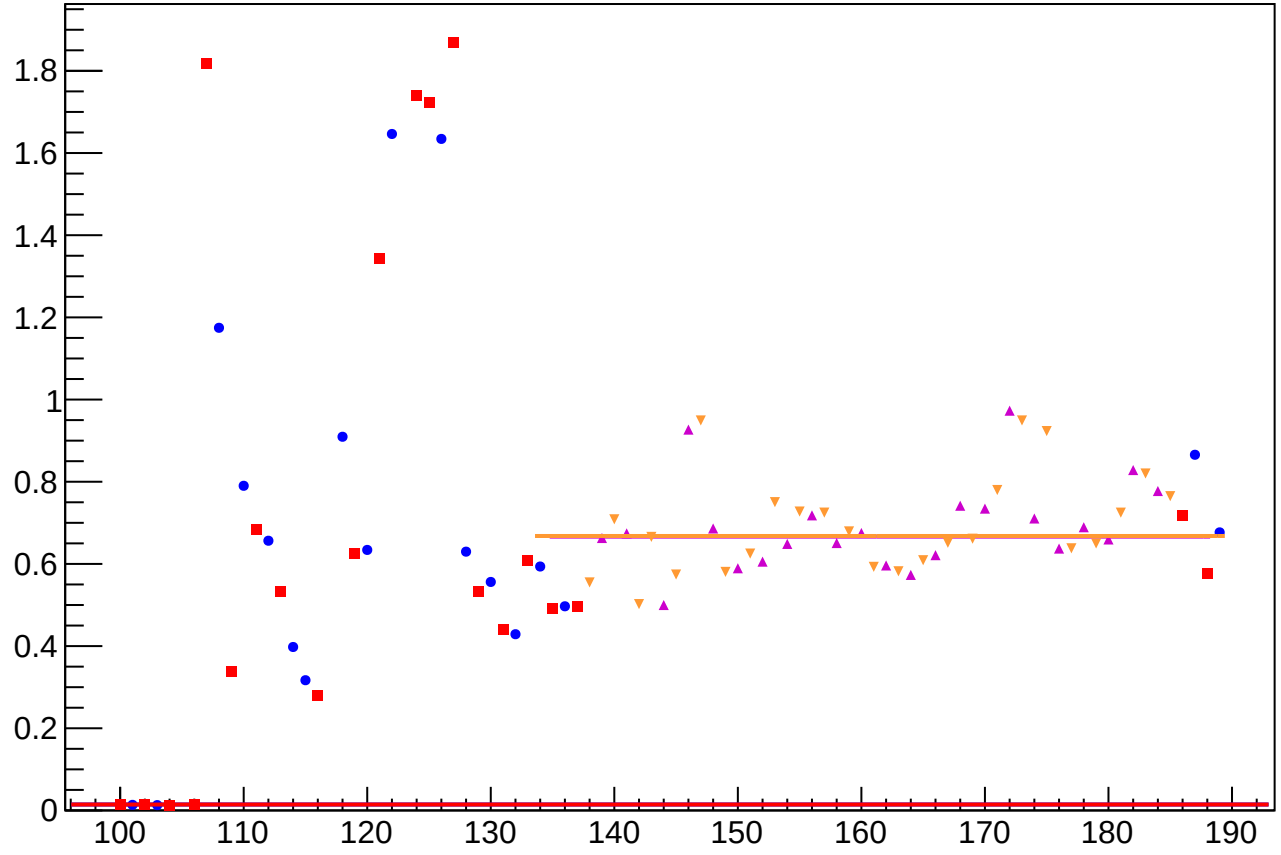
Left In: 157.013+/-0.000 χ^2/NDF:239819941.9/22

+ sign 869.332+/-0.000 χ^2/NDF: 24986314589974.

All: 869.470+/-0.000 χ^2/NDF: 523533959847

- sign 869.590+/-0.000 χ^2/NDF: 27366826453656.2

yield_cav4bQ_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 10641033.3/17

Left Out: 0.668+/-0.000 χ^2/NDF:681720.2/24

Right Out: 0.014+/-0.000 χ^2/NDF: 11515835.2/20

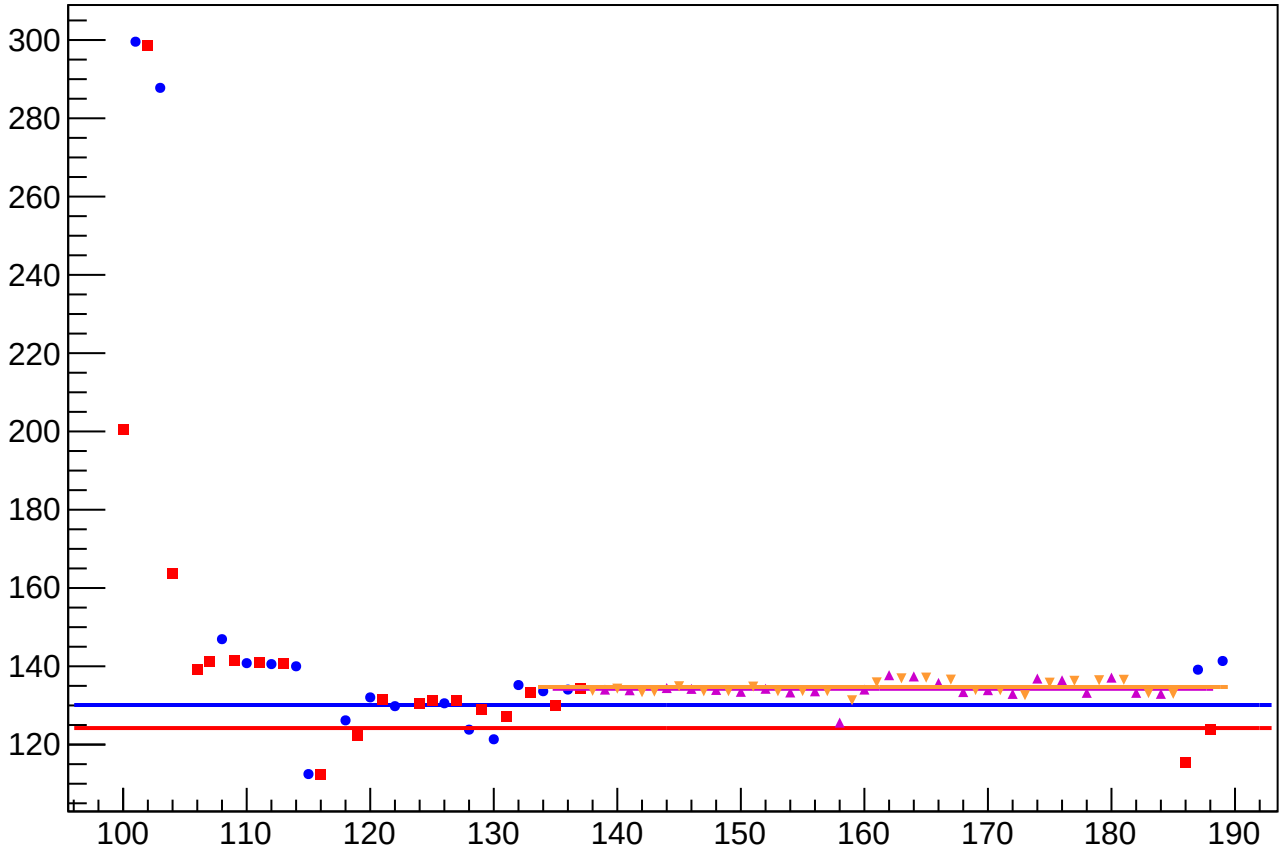
Left In: 0.666+/-0.000 χ^2/NDF:536078.9/22

+ sign 0.018+/-0.000 χ^2/NDF: 40123415.3/42

All: 0.017+/-0.000 χ^2/NDF: 79624130.6/86

- sign 0.017+/-0.000 χ^2/NDF: 39498347.2/43

yield_cav4cQ_mean vs Slug



Right In: 130.111+/-0.000 χ^2/NDF: 1890053541.3/17

Left Out: 134.714+/-0.000 χ^2/NDF:159886495.0/24

Right Out: 124.222+/-0.000 χ^2/NDF: 1483716148.2/20

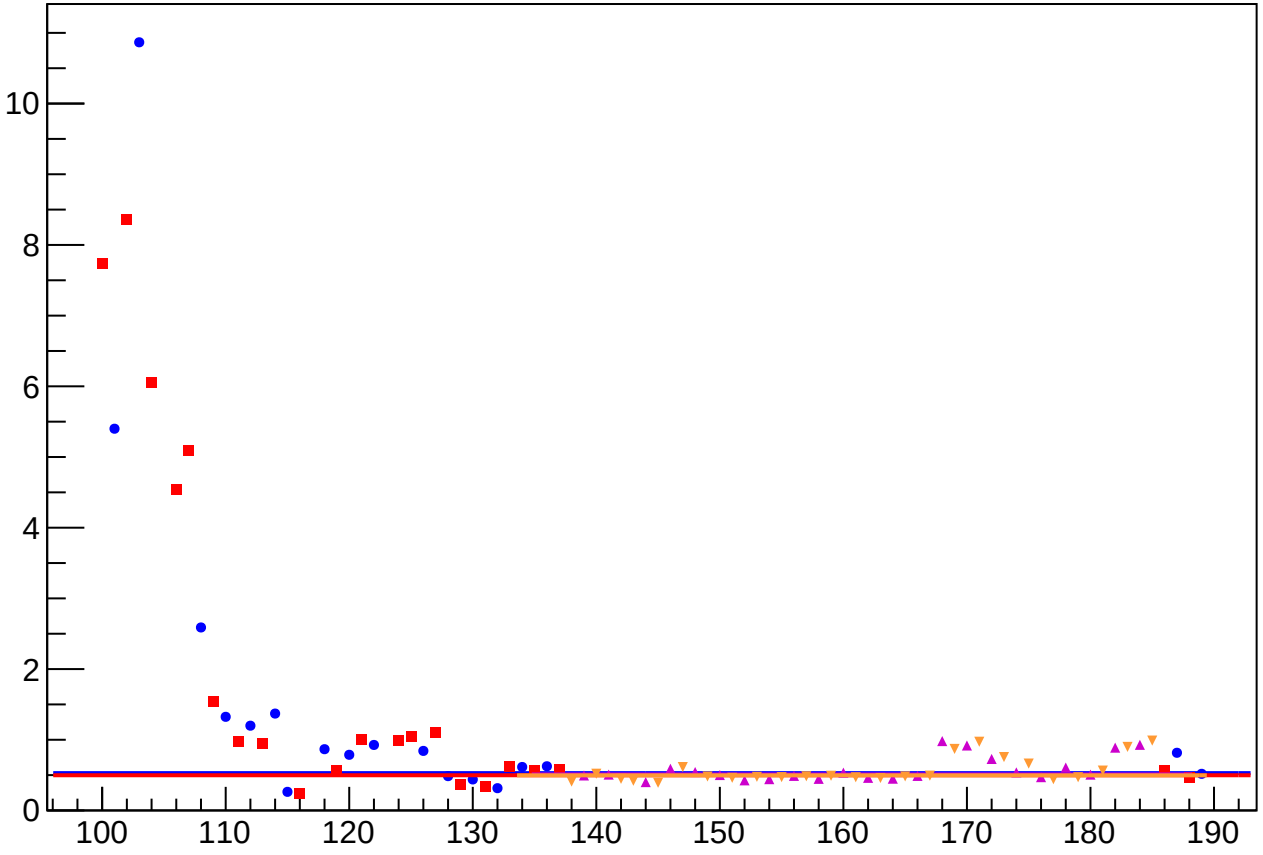
Left In: 134.250+/-0.000 χ^2/NDF:441522664.4/22

+ sign 133.867+/-0.000 χ^2/NDF: 2310746412.0/42

All: 132.891+/-0.000 χ^2/NDF: 5831261651.1

- sign 131.880+/-0.000 χ^2/NDF: 3361547788.5/43

yield_cav4cQ_rms vs Slug



Right In: 0.528+/-0.000 χ^2/NDF: 4178558.0/17

Left Out: 0.497+/-0.000 χ^2/NDF:1572512.9/24

Right Out: 0.498+/-0.000 χ^2/NDF: 4899972.8/20

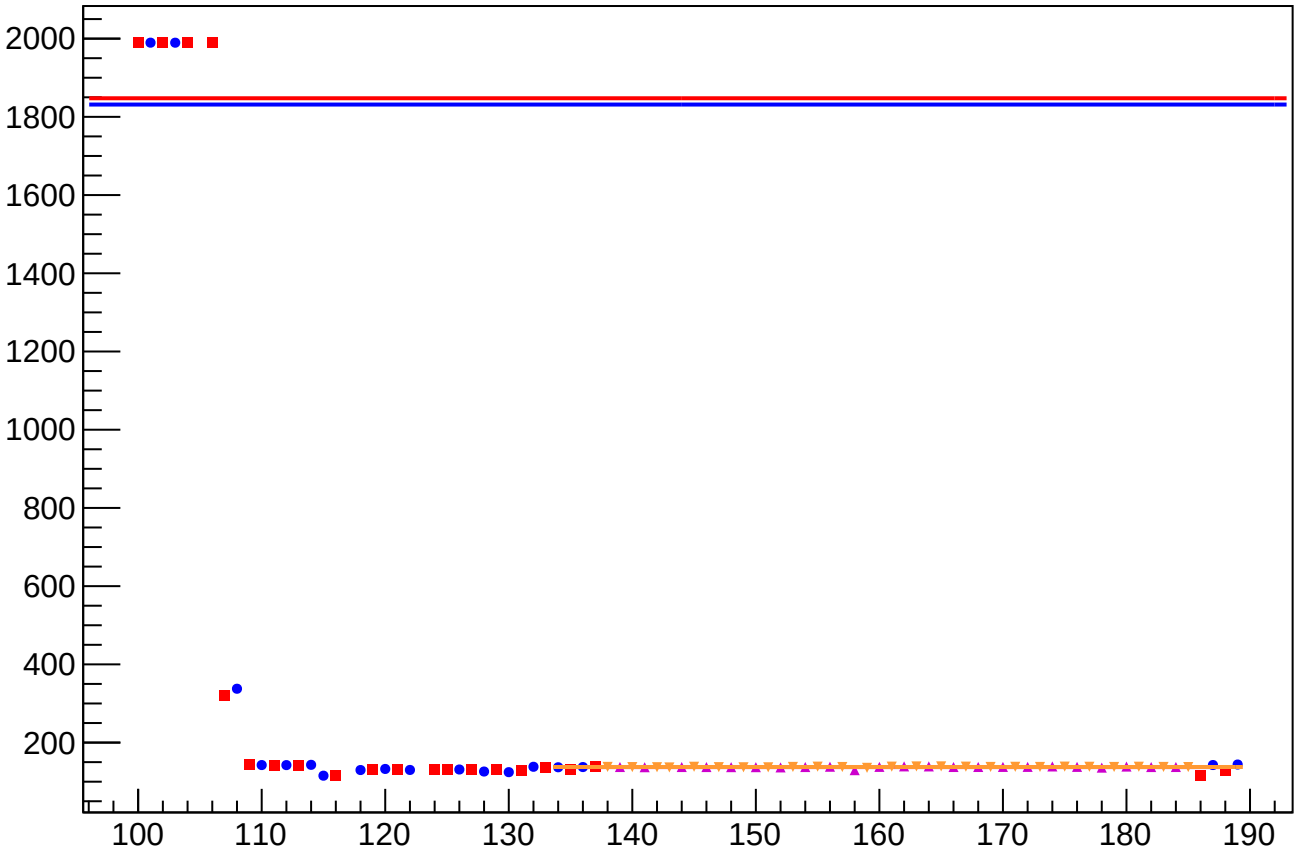
Left In: 0.510+/-0.000 χ^2/NDF:1485489.4/22

+ sign 0.503+/-0.000 χ^2/NDF: 5774974.0/42

All: 0.505+/-0.000 χ^2/NDF: 12165678.1/86

- sign 0.507+/-0.000 χ^2/NDF: 6389274.5/43

yield_cav4dQ_mean vs Slug



Right In: 1831.452+/-0.000 χ^2/NDF: 153974209549040.8/17

Left Out: 137.578+/-0.000 χ^2/NDF:64111345.2/24

Right Out: 1847.526+/-0.000 χ^2/NDF: 164150797563574.0/20

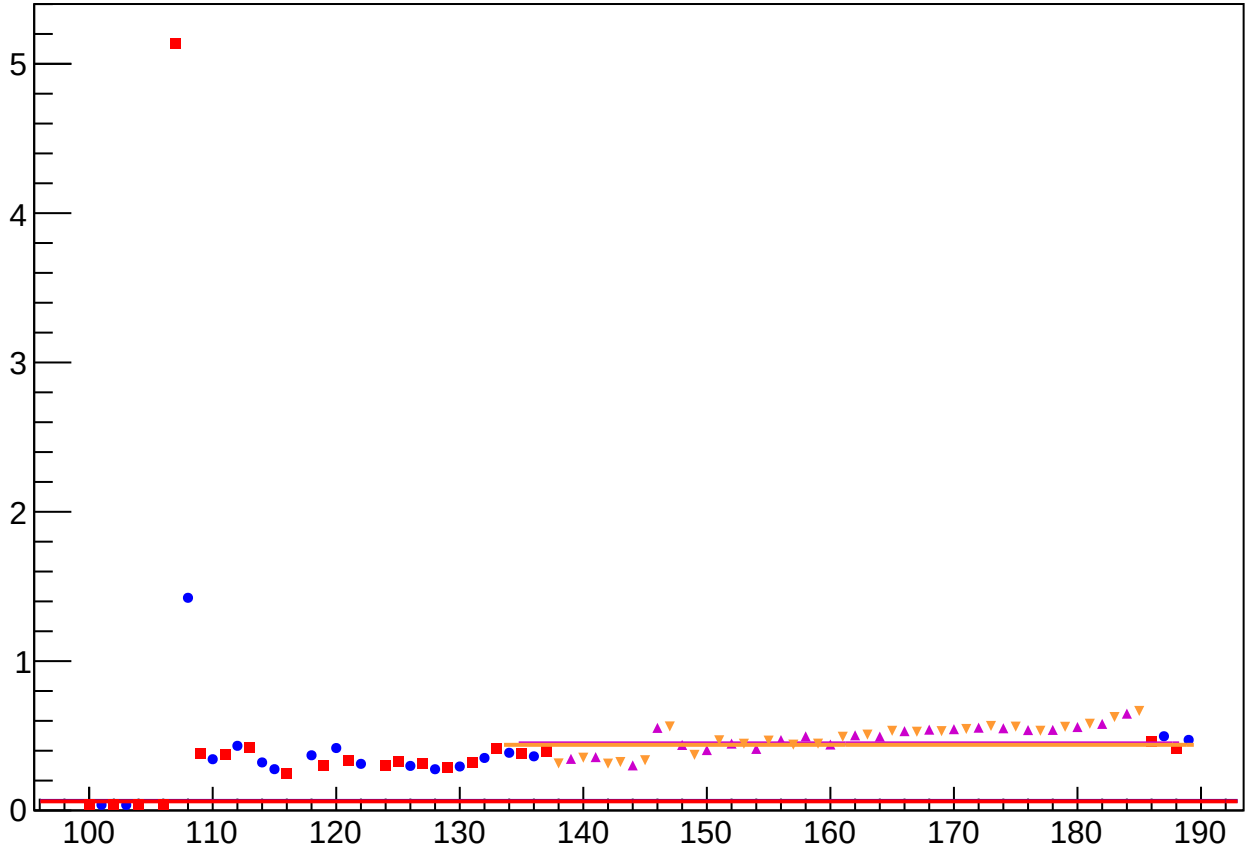
Left In: 137.349+/-0.000 χ^2/NDF:248752254.7/22

+ sign 1595.308+/-0.000 χ^2/NDF: 3832292885932

All: 1627.616+/-0.000 χ^2/NDF: 769137695

- sign 1656.004+/-0.000 χ^2/NDF: 38460247762899

yield_cav4dQ_rms vs Slug



Right In: 0.064+/-0.000 χ^2/NDF: 9146757.5/17

Left Out: 0.440+/-0.000 χ^2/NDF:1765604.0/24

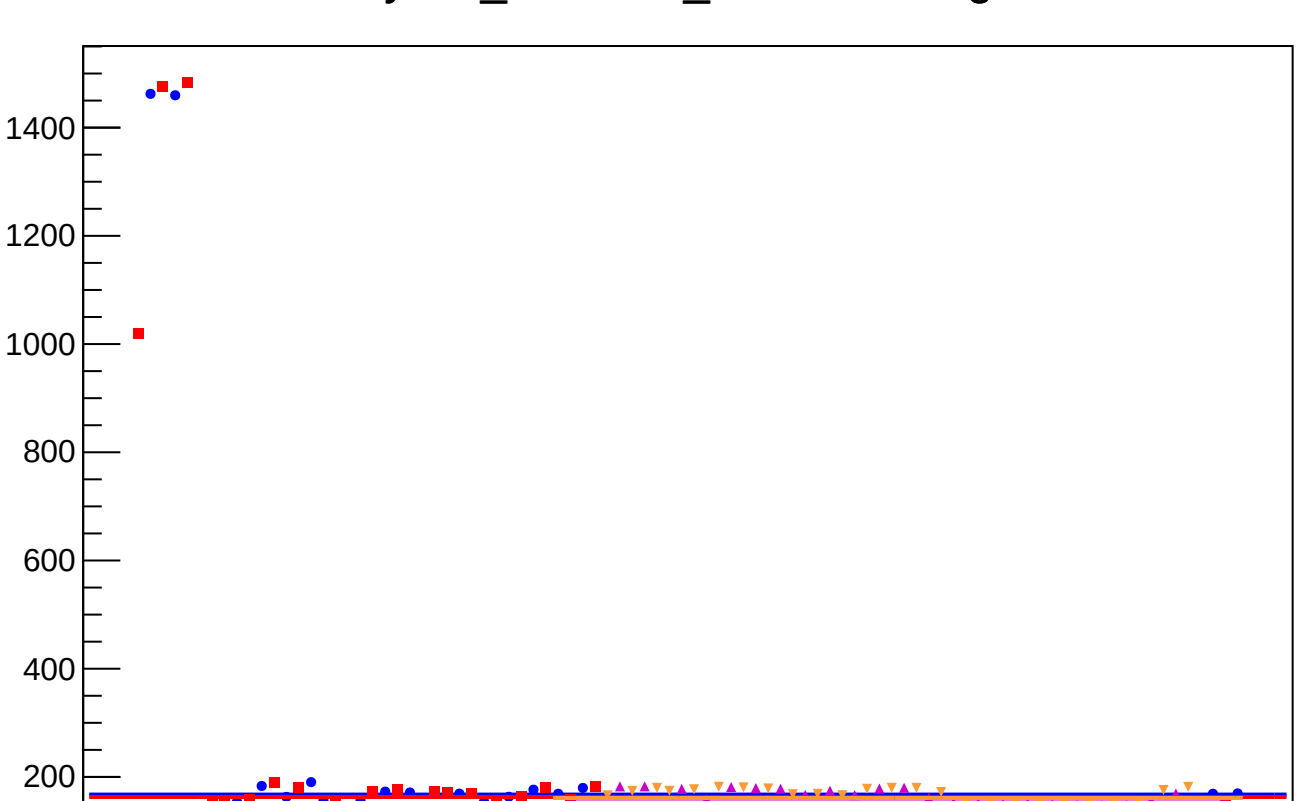
Right Out: 0.061+/-0.000 χ^2/NDF: 9665292.0/20

Left In: 0.449+/-0.000 χ^2/NDF:1340860.2/22

+ sign 0.116+/-0.000 χ^2/NDF: 33473278.0/42

All: 0.110+/-0.000 χ^2/NDF: 67277032.6/86

- sign 0.105+/-0.000 χ^2/NDF: 33709217.3/43



Right In: 167.392+/-0.000 χ^2/NDF: 14619817483.4/17

Left Out: 161.147+/-0.000 χ^2/NDF:3739064587.8/24

Right Out: 162.943+/-0.000 χ^2/NDF: 17303429949.2/20

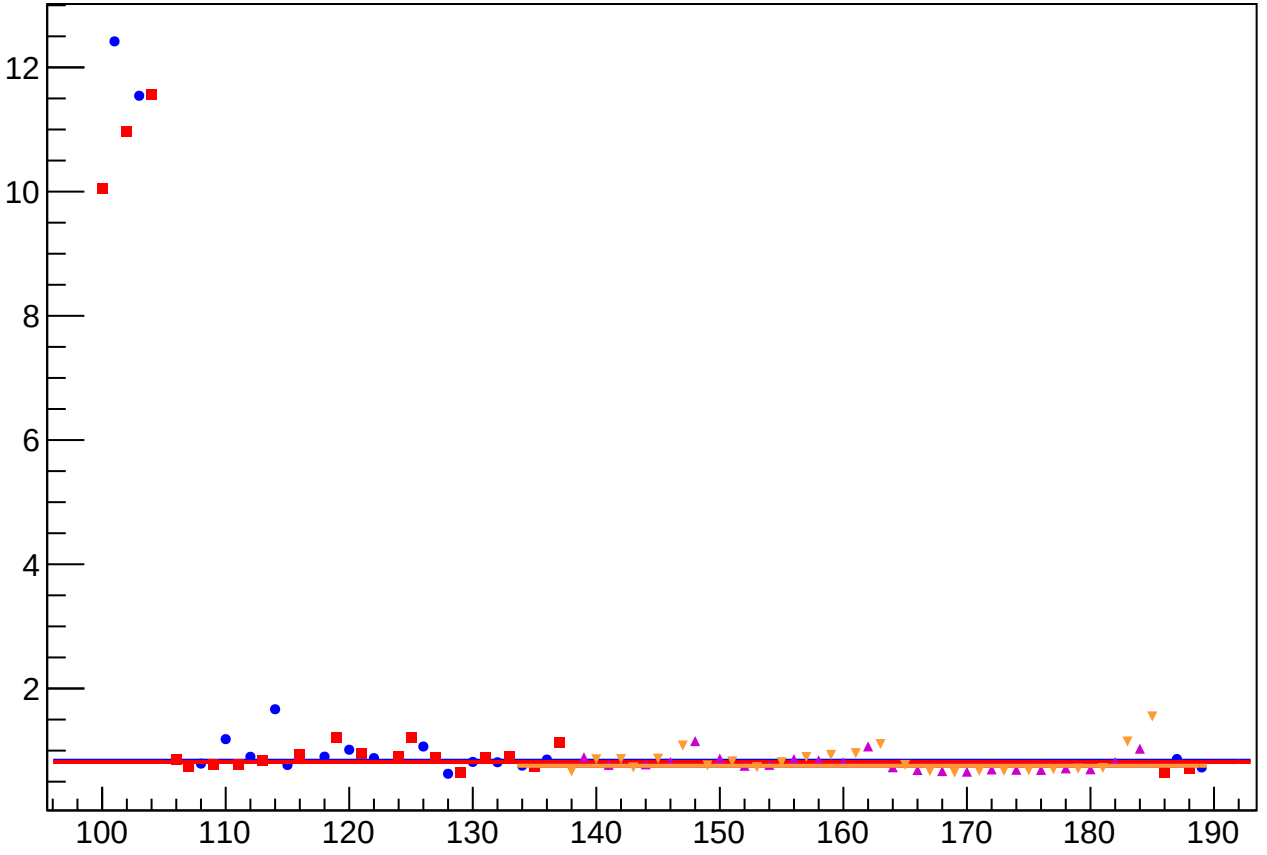
Left In: 160.140+/-0.000 χ^2/NDF:3738383186.1/22

+ sign 162.419+/-0.000 χ^2/NDF: 18553552982.5/42

All: 161.615+/-0.000 χ^2/NDF: 39679979638.

- sign 160.821+/-0.000 χ^2/NDF: 21086874588.8/43

yield_bcm0l02_rms vs Slug



Right In: 0.837+/-0.000 χ^2/NDF: 2324360.7/17

Left Out: 0.756+/-0.000 χ^2/NDF:750259.3/24

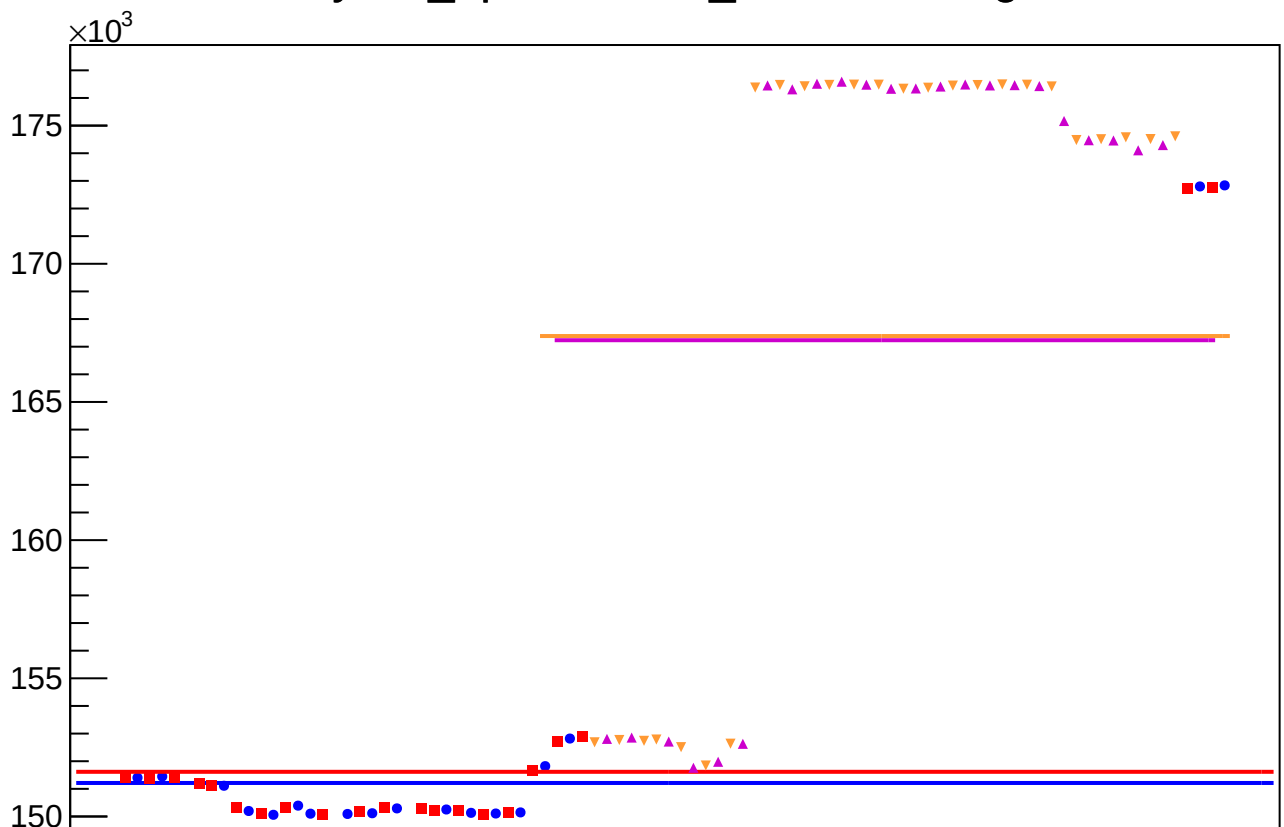
Right Out: 0.816+/-0.000 χ^2/NDF: 2301023.3/20

Left In: 0.755+/-0.000 χ^2/NDF:472792.1/22

+ sign 0.773+/-0.000 χ^2/NDF: 3139920.7/42

All: 0.772+/-0.000 χ^2/NDF: 5956339.4/86

- sign 0.770+/-0.000 χ^2/NDF: 2816216.6/43



Right In: 151212.768+/-0.054 χ^2/NDF: 5044604678.4/17

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 151616.751+/-0.050 χ^2/NDF: 9203628484.8/20

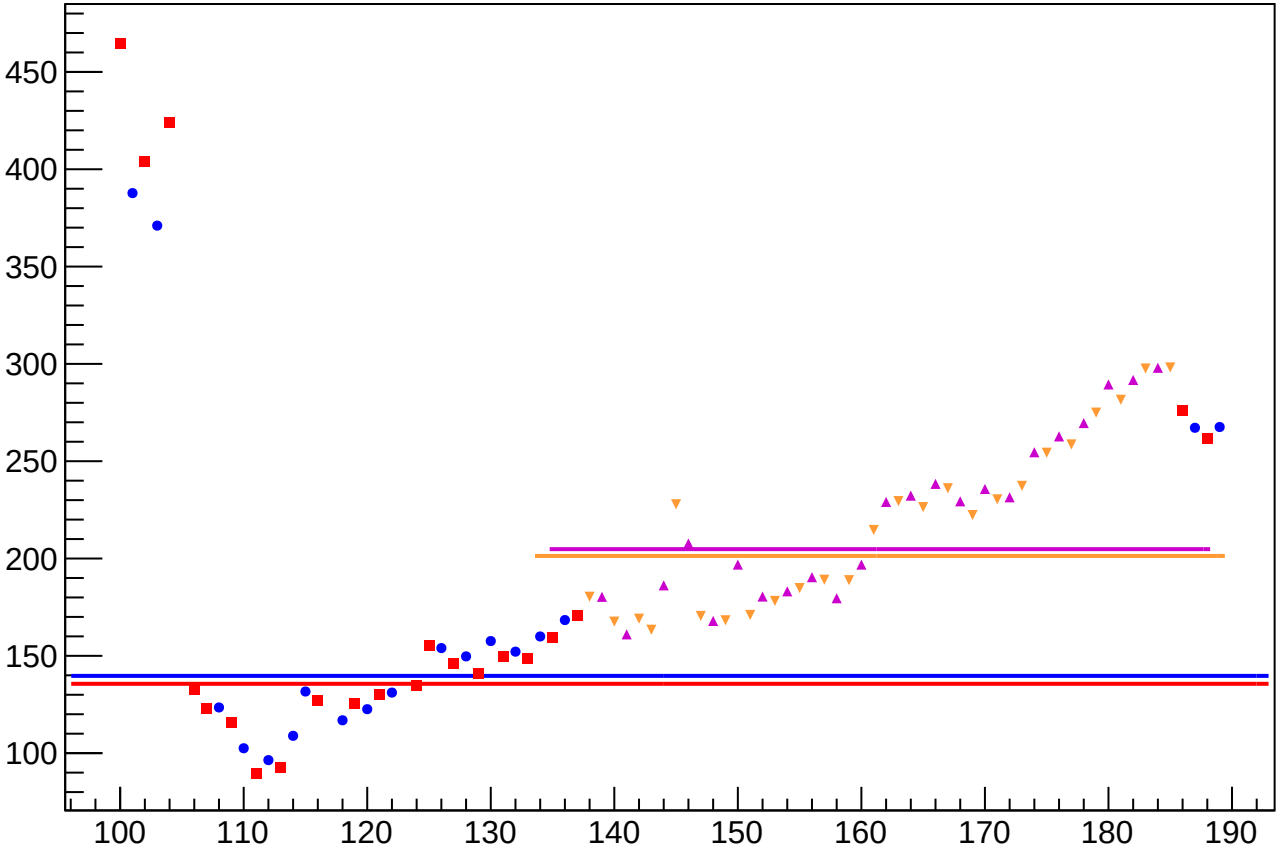
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 160432.643+/-0.035 χ^2/NDF: 116135373089

All: 159993.901+/-0.025 χ^2/NDF: 2308904

- sign 159565.540+/-0.035 χ^2/NDF: 114449489382

yield_bpm2i01WS_rms vs Slug



Right In: 139.704+/-0.038 χ^2/NDF: 1752274.6/17

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

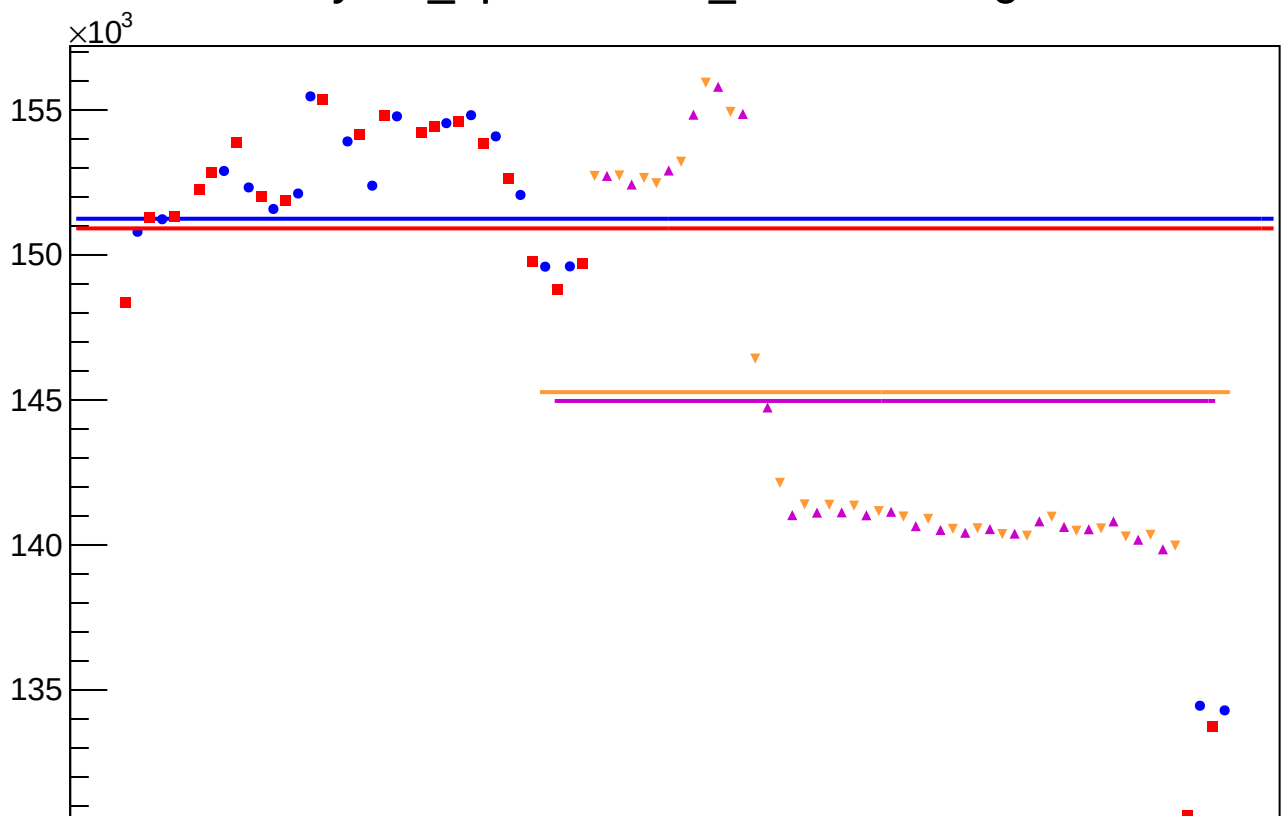
Right Out: 135.630+/-0.035 χ^2/NDF: 2299519.4/20

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

\+ sign 174.835+/-0.025 χ^2/NDF: 4478080.7/42

All: 172.818+/-0.018 χ^2/NDF: 9812471.1/86

\- sign 170.849+/-0.025 χ^2/NDF: 5321472.4/43



Right In: 151249.437+/-0.070 χ^2/NDF: 5137757260.5/17

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: 150917.021+/-0.063 χ^2/NDF: 9299088405.1/20

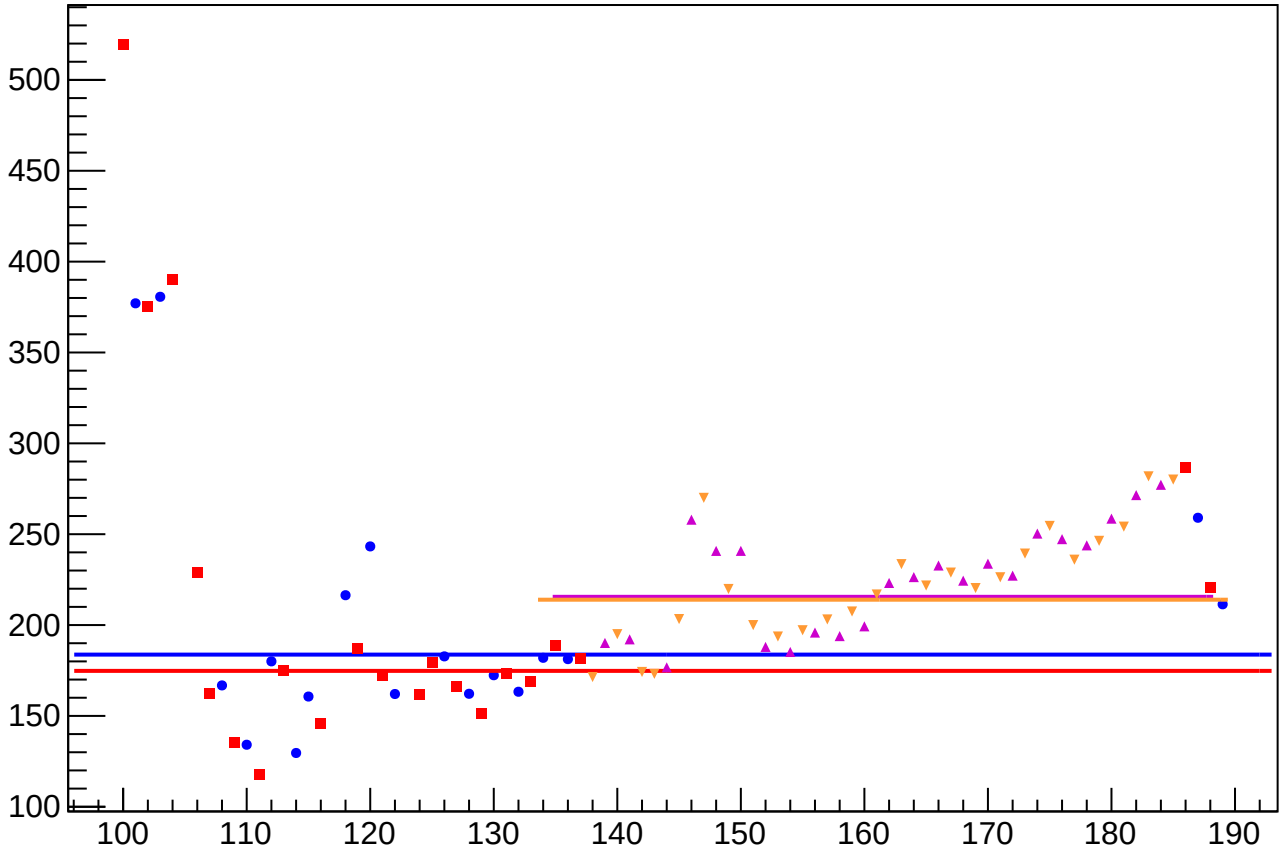
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign 147257.828+/-0.040 χ^2/NDF: 23717579097.

All: 147288.667+/-0.028 χ^2/NDF: 51511154

- sign 147318.695+/-0.040 χ^2/NDF: 27792423555.7

yield_bpm0i07WS_rms vs Slug



Right In: 183.738+/-0.049 χ^2/NDF: 959467.7/17

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

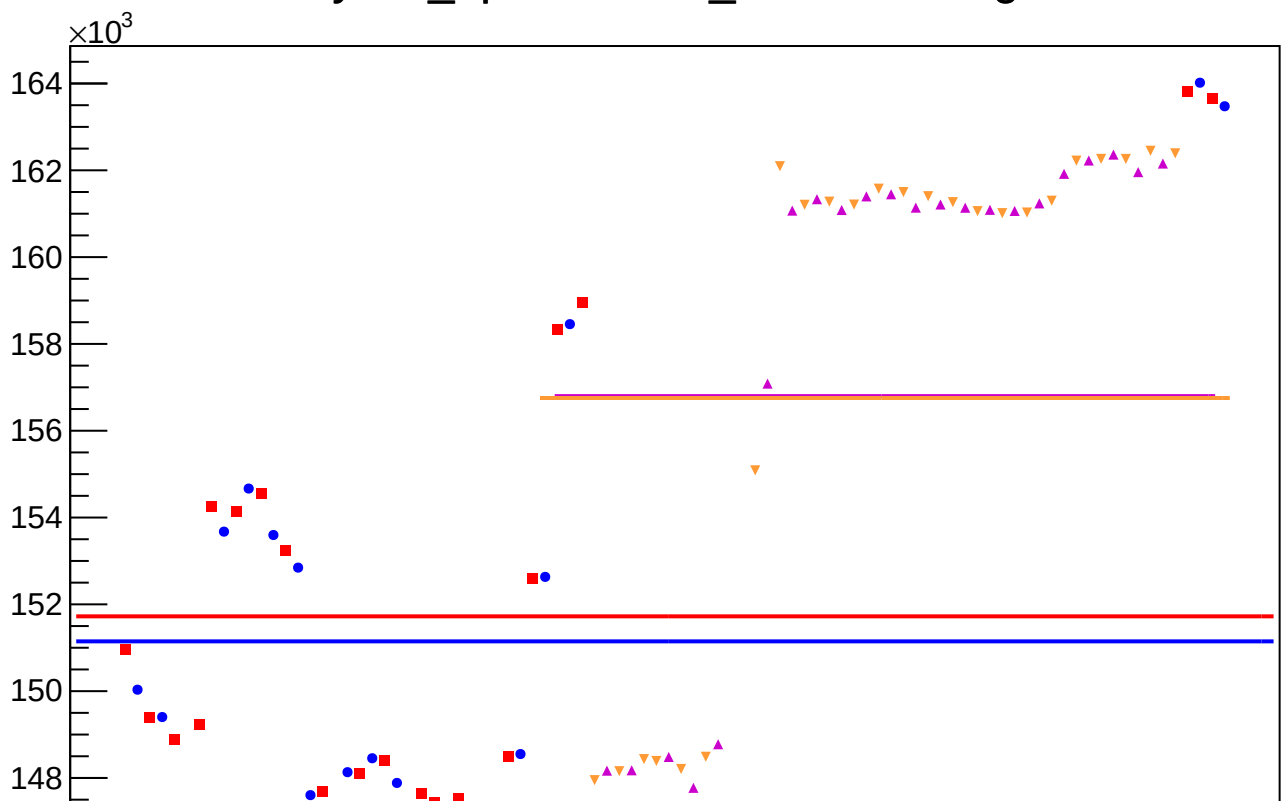
Right Out: 174.781+/-0.045 χ^2/NDF: 1314837.0/20

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 203.907+/-0.029 χ^2/NDF: 1858913.3/42

All: 201.637+/-0.020 χ^2/NDF: 4287736.4/86

- sign 199.427+/-0.028 χ^2/NDF: 2416334.2/43



Right In: 151147.167+/-0.062 χ^2/NDF: 4632204751.3/17

Left Out: 156754.233+/-0.049 χ^2/NDF:16380807583.4/24

Right Out: 151723.857+/-0.058 χ^2/NDF: 5767040452.2/20

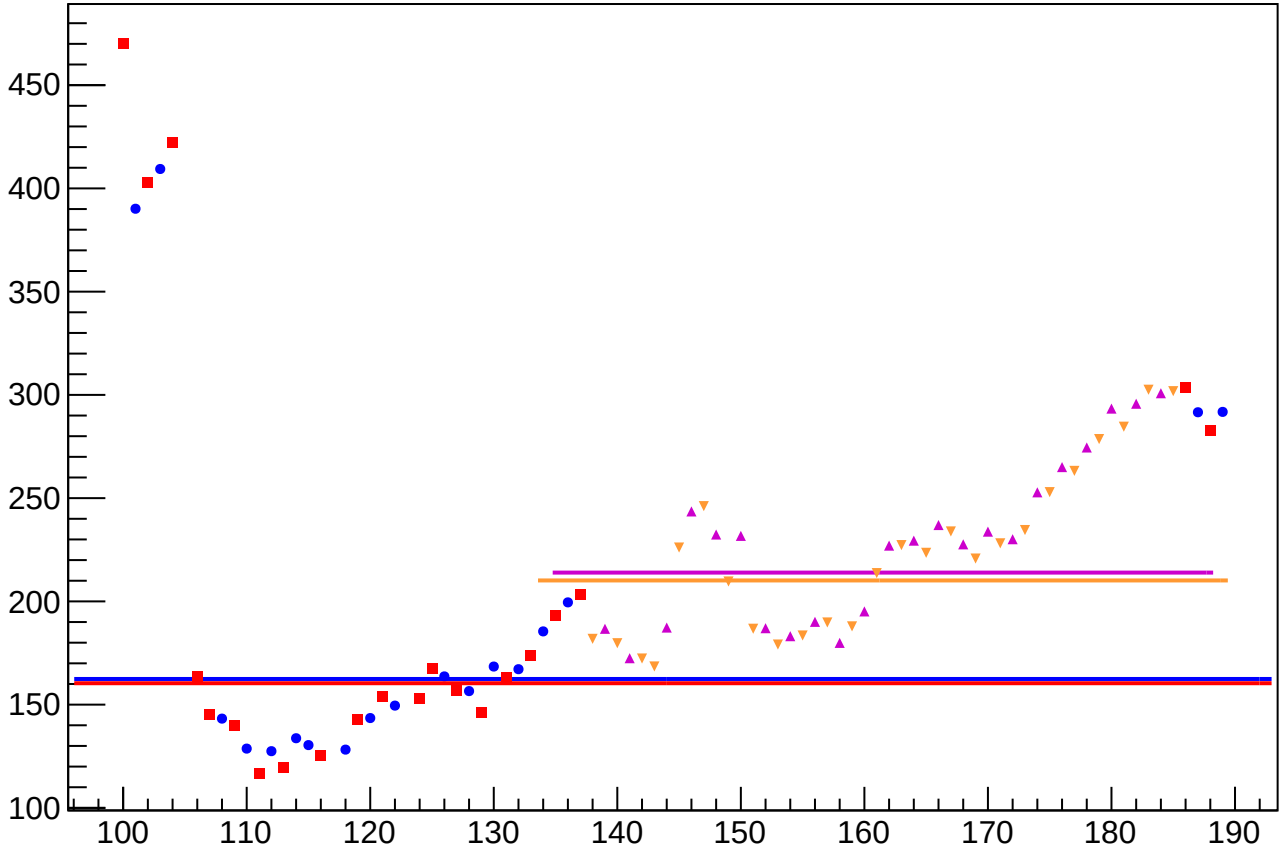
Left In: 156798.005+/-0.051 χ^2/NDF:14344098884.4/22

+ sign 154612.964+/-0.038 χ^2/NDF: 26087994625.

All: 154608.177+/-0.027 χ^2/NDF: 50488774

- sign 154603.354+/-0.038 χ^2/NDF: 24400748411.9

yield_bpm0i01WS_rms vs Slug



Right In: 162.429+/-0.044 χ^2/NDF: 1485472.9/17

Left Out: 210.142+/-0.034 χ^2/NDF:997802.7/24

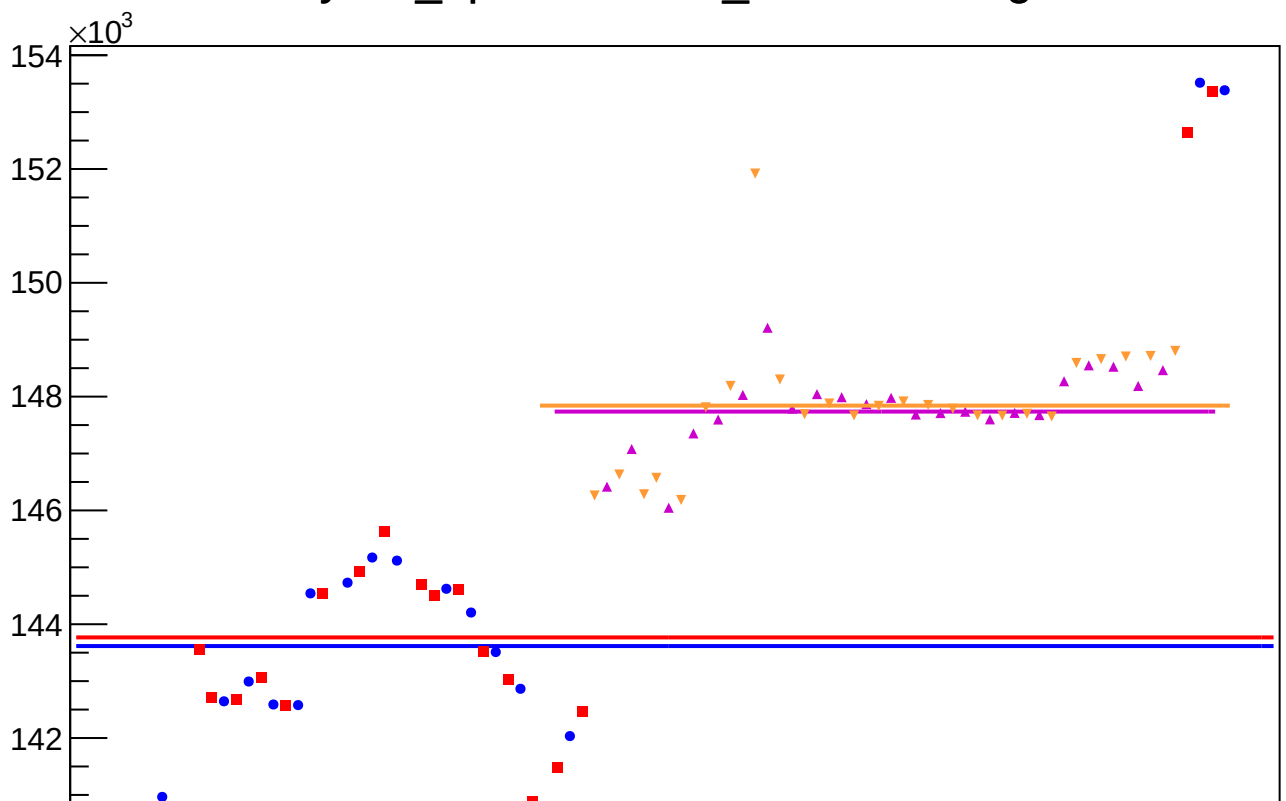
Right Out: 160.371+/-0.041 χ^2/NDF: 1832487.4/20

Left In: 213.945+/-0.036 χ^2/NDF:914465.3/22

+ sign 191.921+/-0.027 χ^2/NDF: 3218253.6/42

All: 191.349+/-0.019 χ^2/NDF: 6922489.2/86

- sign 190.773+/-0.027 χ^2/NDF: 3703338.5/43



Right In: 143616.184+/-0.052 χ^2/NDF: 1620481427.3/17

Left Out: 147842.157+/-0.045 χ^2/NDF:713066054.2/24

Right Out: 143768.244+/-0.048 χ^2/NDF: 2545385884.3/20

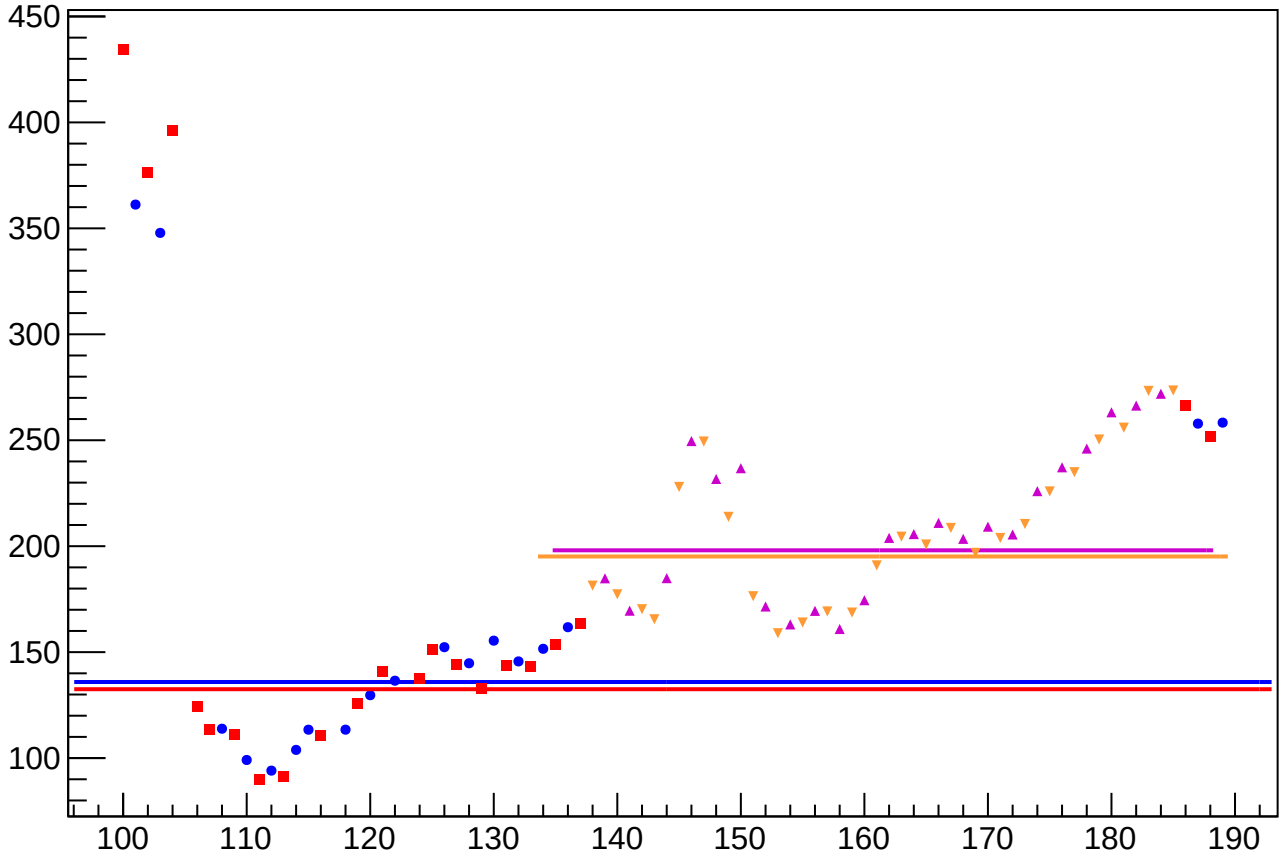
Left In: 147736.722+/-0.047 χ^2/NDF:227077133.0/22

+ sign 146039.983+/-0.034 χ^2/NDF: 6072757703.7

All: 145921.863+/-0.024 χ^2/NDF: 12310040

- sign 145806.260+/-0.034 χ^2/NDF: 6213650607.3/

yield_bpm0i01aWS_rms vs Slug



Right In: 135.903+/-0.037 χ^2/NDF: 1709434.2/17

Left Out: 195.145+/-0.032 χ^2/NDF:903994.2/24

Right Out: 132.505+/-0.034 χ^2/NDF: 2208611.2/20

Left In: 198.057+/-0.033 χ^2/NDF:900359.1/22

+ sign 169.882+/-0.024 χ^2/NDF: 4083091.7/42

All: 168.005+/-0.017 χ^2/NDF: 9081833.9/86

- sign 166.169+/-0.024 χ^2/NDF: 4986817.4/43

Right In: 127197.634+/-0.057 χ^2/NDF: 1586271537.3/17

Left Out: 119683.519+/-0.044 χ^2/NDF:1985993997.6/24

Right Out: 126943.286+/-0.053 χ^2/NDF: 2763798591.7/20

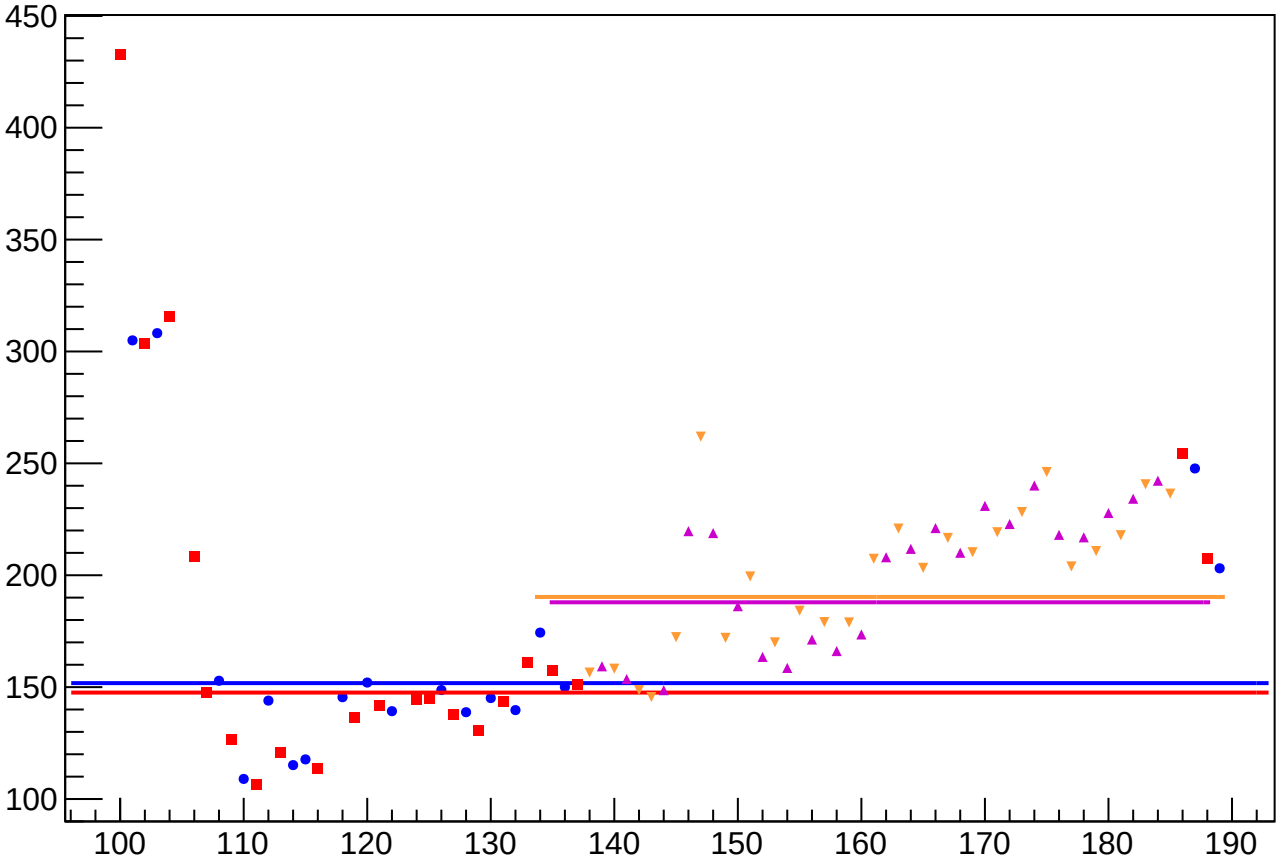
Left In: 119629.600+/-0.045 χ^2/NDF:1317214801.7/22

+ sign 122515.950+/-0.035 χ^2/NDF: 14434751677.

All: 122615.625+/-0.024 χ^2/NDF: 2966844

- sign 122711.241+/-0.034 χ^2/NDF: 15217746119.

yield_bpm0l01WS_rms vs Slug



Right In: 151.792+/-0.040 χ^2/NDF: 954845.7/17

Left Out: 190.298+/-0.031 χ^2/NDF:924542.3/24

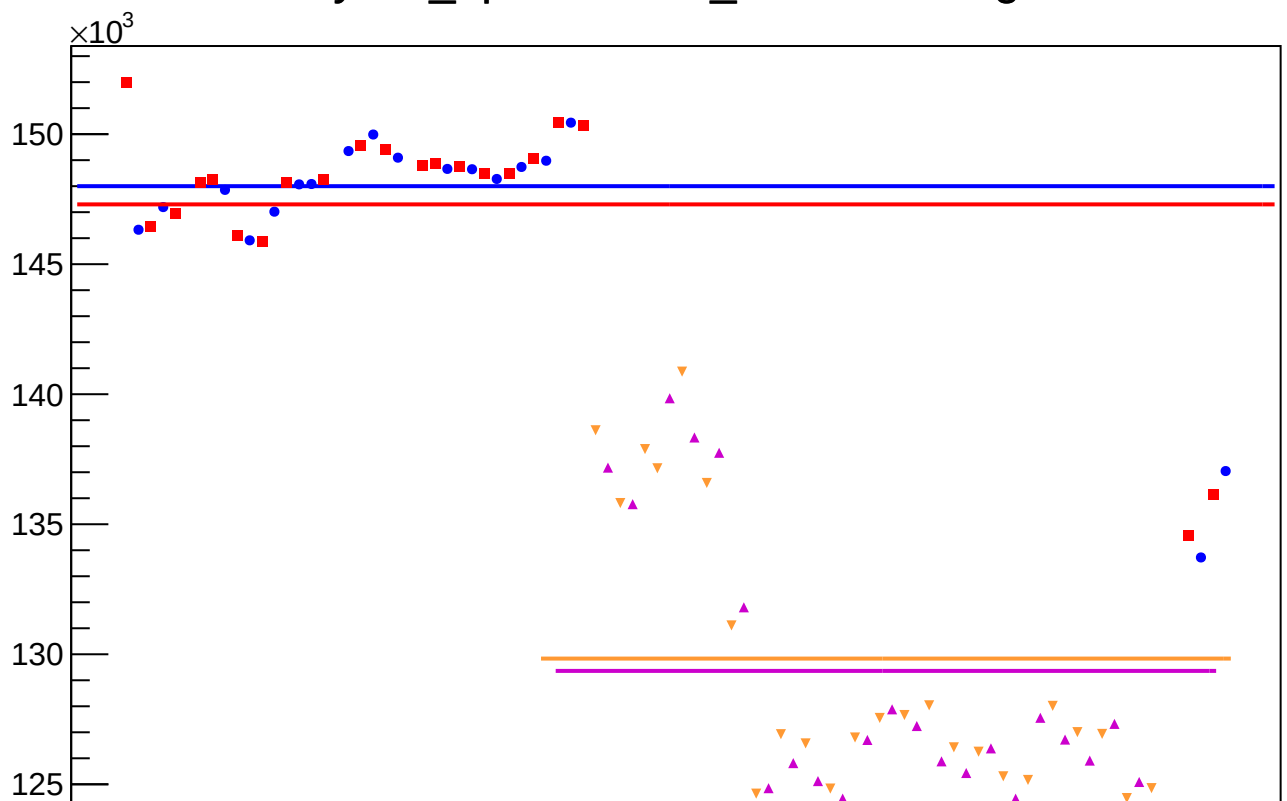
Right Out: 147.564+/-0.037 χ^2/NDF: 1327658.4/20

Left In: 187.909+/-0.032 χ^2/NDF:926037.0/22

+ sign 175.783+/-0.025 χ^2/NDF: 2449881.5/42

All: 173.296+/-0.017 χ^2/NDF: 5401209.3/86

- sign 170.910+/-0.024 χ^2/NDF: 2931468.2/43



Right In: 147999.897+/-0.080 χ^2/NDF: 1188359069.3/17

Left Out: 129834.437+/-0.064 χ^2/NDF:6793515279.7/24

Right Out: 147299.704+/-0.074 χ^2/NDF: 2403005021.5/20

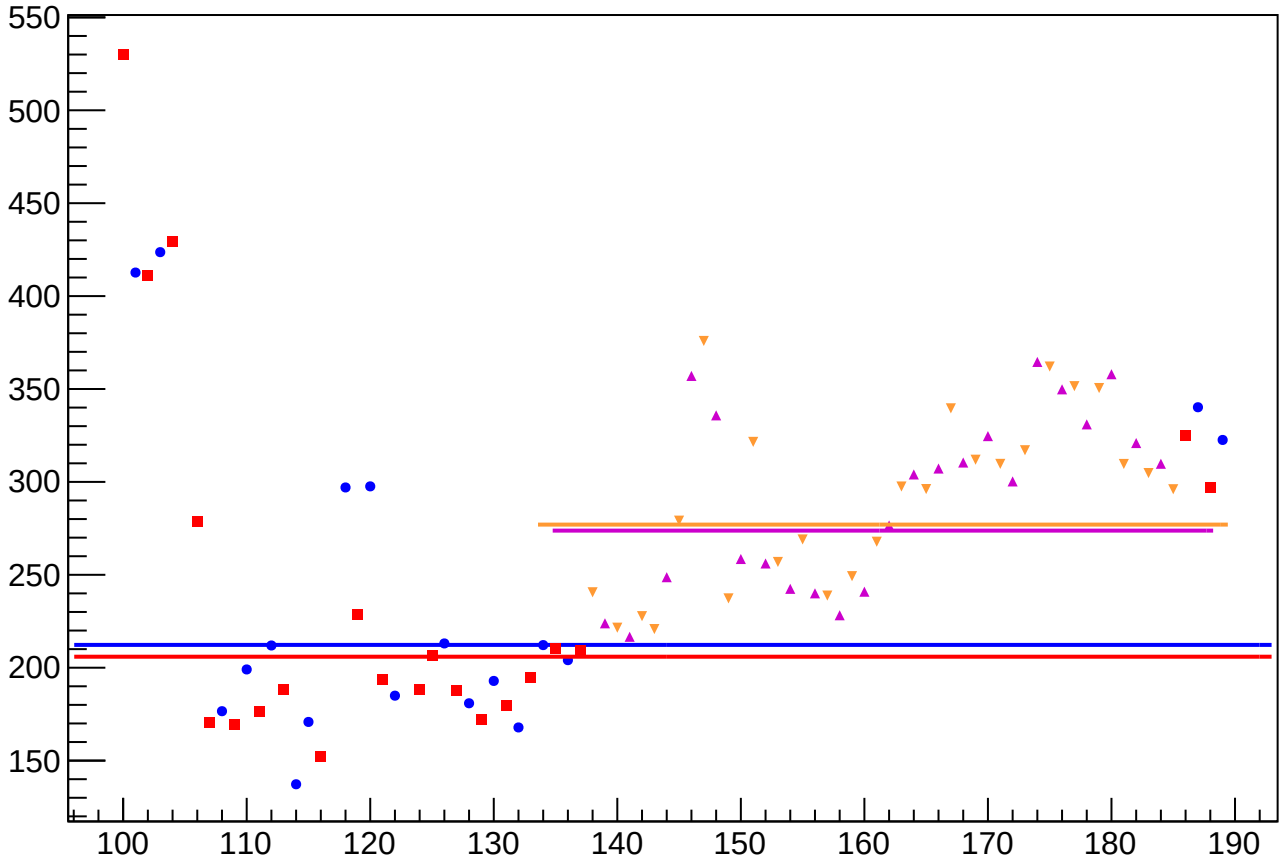
Left In: 129360.487+/-0.065 χ^2/NDF:6626094577.9/22

+ sign 136932.852+/-0.050 χ^2/NDF: 39268281622.

All: 137108.516+/-0.035 χ^2/NDF: 81565971

- sign 137275.481+/-0.049 χ^2/NDF: 42273720190.

yield_bpm0l02WS_rms vs Slug



Right In: 212.278+/-0.057 χ^2/NDF: 1156338.8/17

Left Out: 277.021+/-0.045 χ^2/NDF:946602.2/24

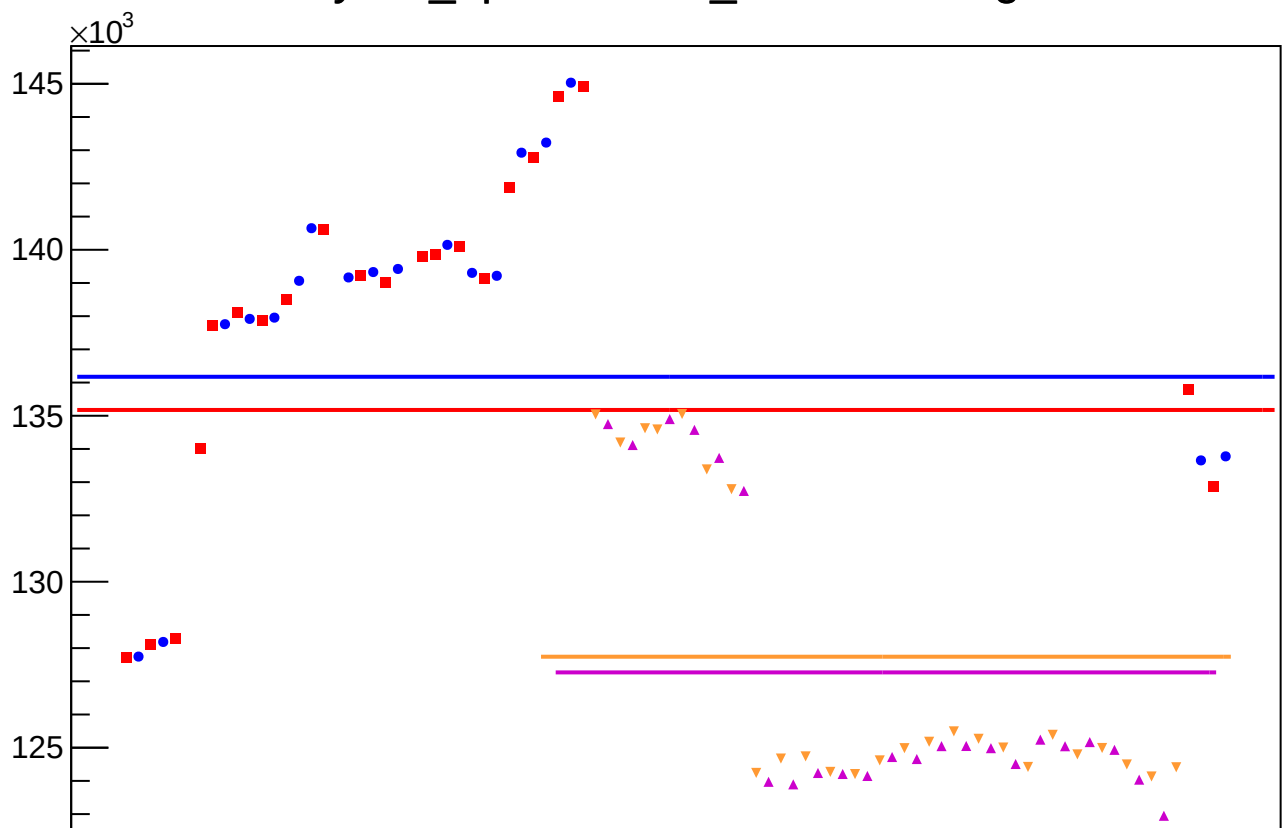
Right Out: 205.922+/-0.052 χ^2/NDF: 1212227.0/20

Left In: 273.784+/-0.046 χ^2/NDF:1003910.6/22

+ sign 251.722+/-0.035 χ^2/NDF: 2897784.8/42

All: 247.682+/-0.025 χ^2/NDF: 6090768.6/86

- sign 243.843+/-0.035 χ^2/NDF: 3167633.7/43



Right In: 136174.357+/-0.161 χ^2/NDF: 1599038828.4/17

Left Out: 127741.156+/-0.136 χ^2/NDF:1092529845.6/24

Right Out: 135174.574+/-0.151 χ^2/NDF: 1231543424.2/20

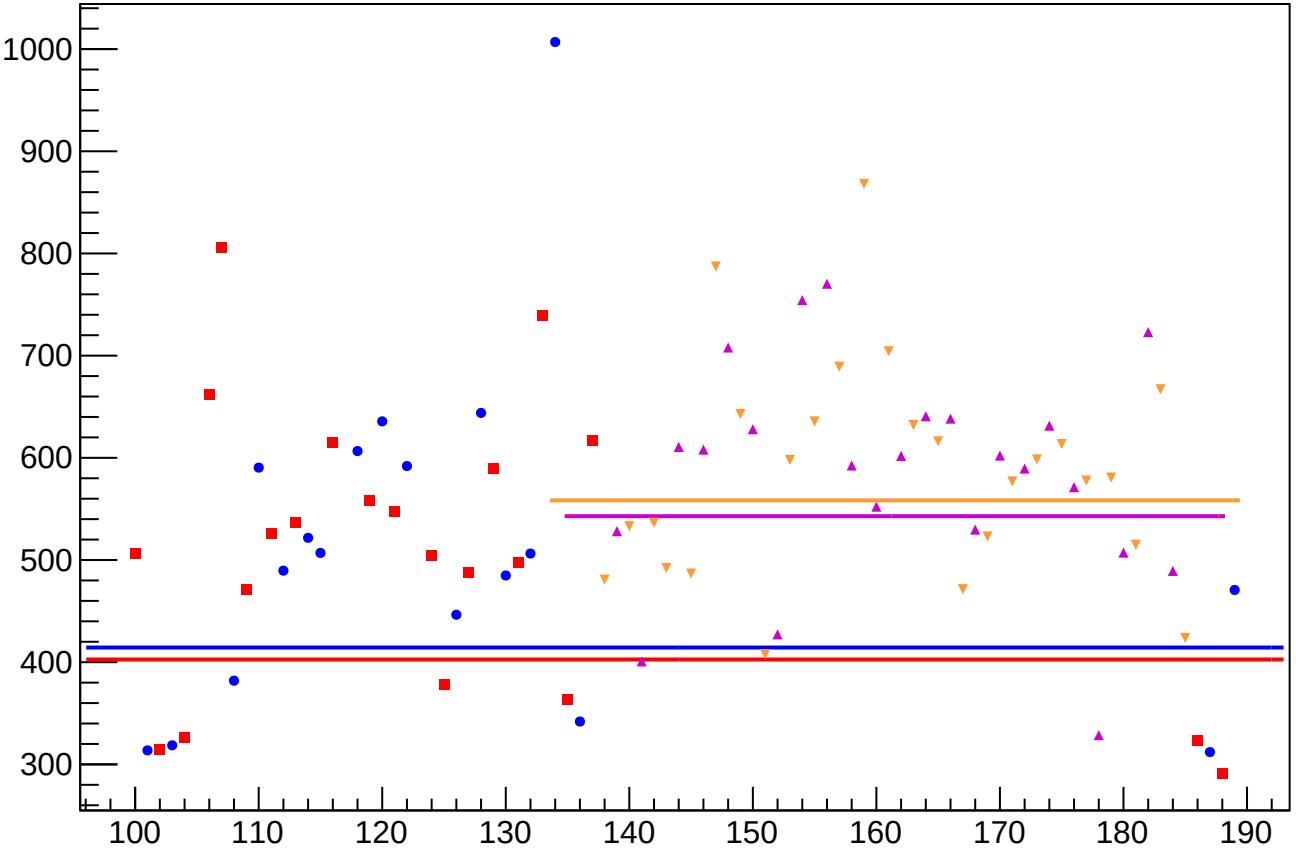
Left In: 127268.542+/-0.139 χ^2/NDF:971404491.0/22

+ sign 131237.442+/-0.104 χ^2/NDF: 4295690654.5

All: 131053.974+/-0.073 χ^2/NDF: 79894372

- sign 130875.884+/-0.102 χ^2/NDF: 3687581875.5/

yield_bpm0l03WS_rms vs Slug



Right In: 414.354+/-0.114 χ^2/NDF: 1074059.2/17

Left Out: 558.373+/-0.096 χ^2/NDF:968289.3/24

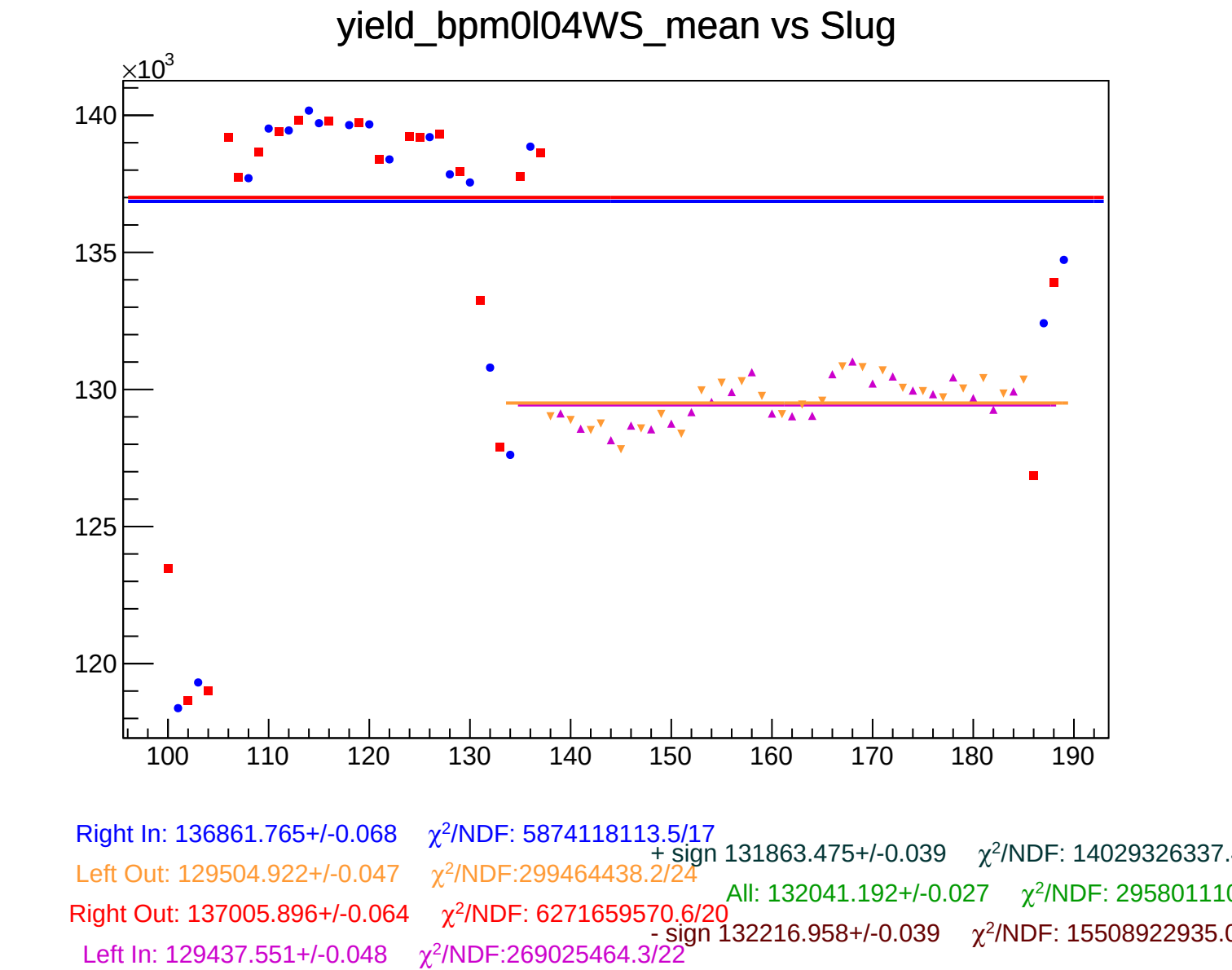
Right Out: 402.649+/-0.107 χ^2/NDF: 1254606.9/20

Left In: 542.872+/-0.098 χ^2/NDF:1416690.9/22

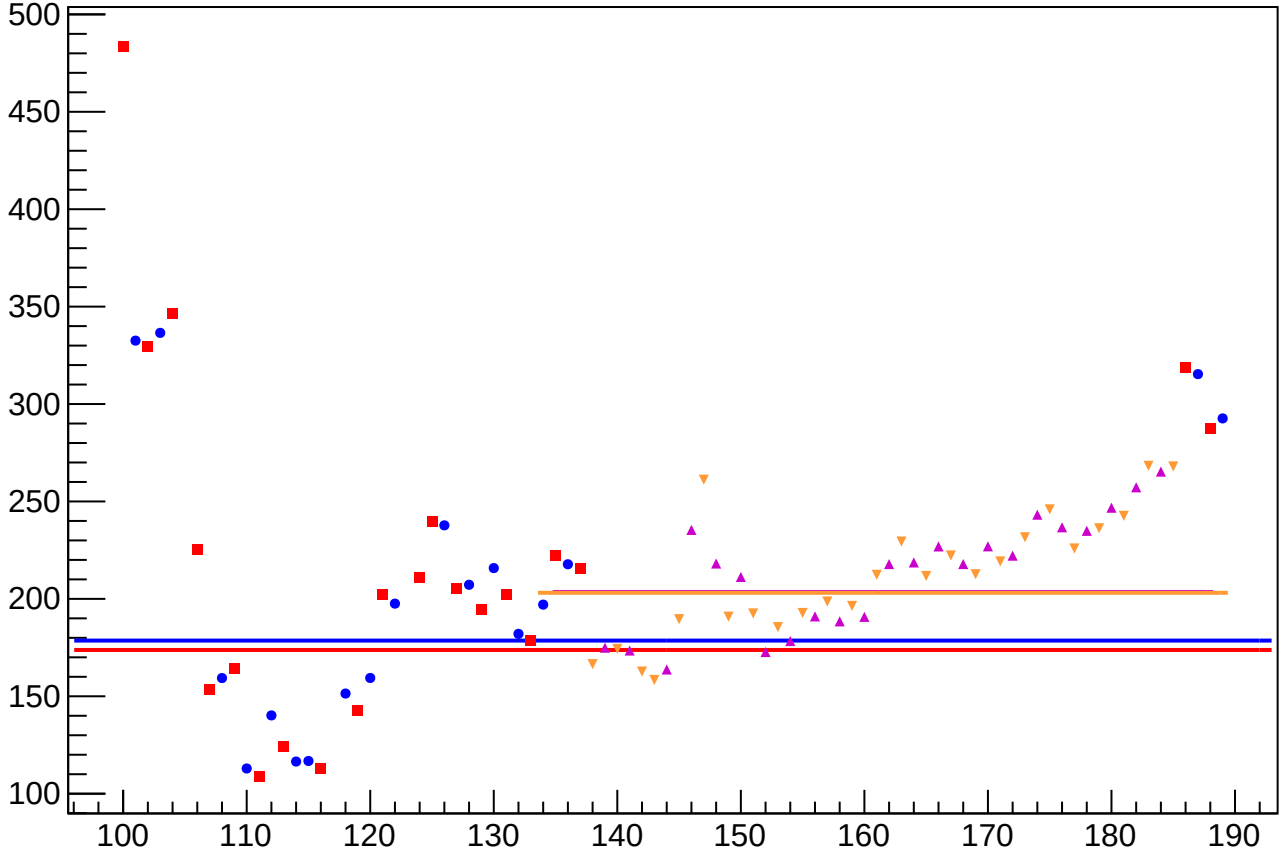
+ sign 498.665+/-0.073 χ^2/NDF: 2978020.6/42

All: 488.631+/-0.051 χ^2/NDF: 6620241.4/86

- sign 478.892+/-0.072 χ^2/NDF: 3605345.9/43


yield_bpm0l04WS_mean vs Slug
×10^3
140
135
130
125
120
100
110
120
130
140
150
160
170
180
190
Right In: 136861.765+/-0.068 χ²/NDF: 5874118113.5/17
Left Out: 129504.922+/-0.047 χ²/NDF:299464438.2/24
Right Out: 137005.896+/-0.064 χ²/NDF: 6271659570.6/20
Left In: 129437.551+/-0.048 χ²/NDF:269025464.3/22
+ sign 131863.475+/-0.039 χ²/NDF: 14029326337.
All: 132041.192+/-0.027 χ²/NDF: 29580111
- sign 132216.958+/-0.039 χ²/NDF: 15508922935.

yield_bpm0l04WS_rms vs Slug



Right In: 178.595+/-0.048 χ^2/NDF: 1425026.1/17

Left Out: 203.129+/-0.033 χ^2/NDF:758448.5/24

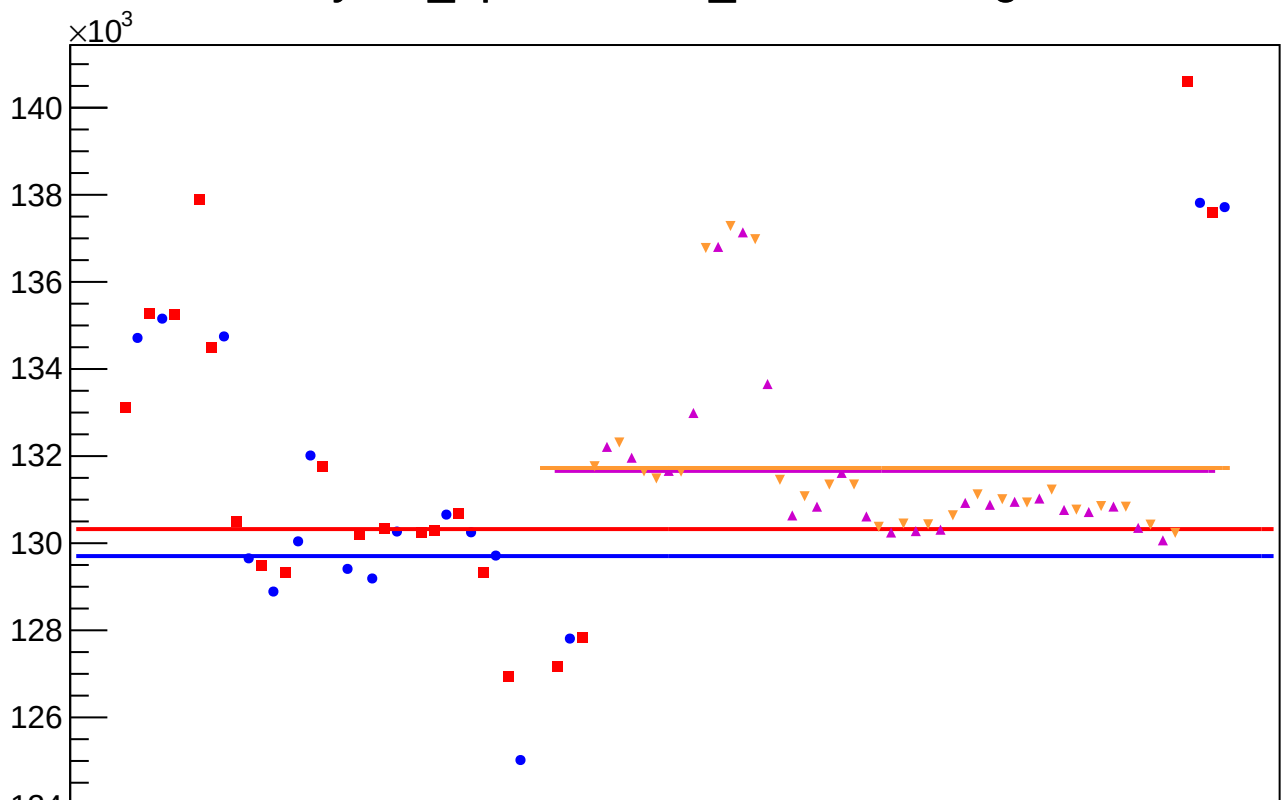
Right Out: 173.775+/-0.045 χ^2/NDF: 1920016.5/20

Left In: 203.546+/-0.034 χ^2/NDF:666043.6/22

+ sign 195.263+/-0.027 χ^2/NDF: 2358210.8/42

All: 193.931+/-0.019 χ^2/NDF: 5226531.0/86

- sign 192.613+/-0.027 χ^2/NDF: 2863613.3/43



Right In: 129704.303+/-0.065 χ^2/NDF: 2420525379.3/17

Left Out: 131727.086+/-0.047 χ^2/NDF:1425045697.6/24

Right Out: 130324.173+/-0.059 χ^2/NDF: 3210815811.6/20

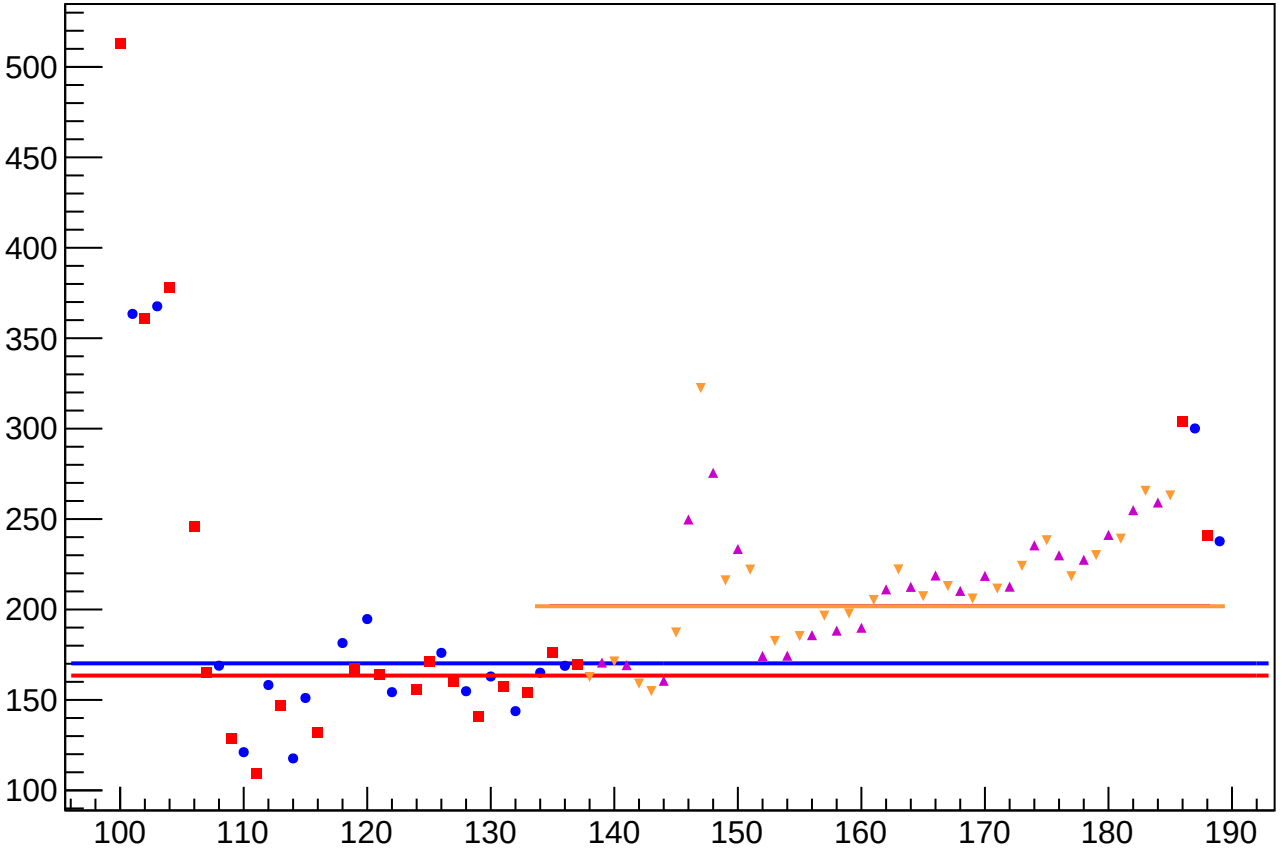
Left In: 131660.490+/-0.048 χ^2/NDF:1164380319.7/22

+ sign 131030.112+/-0.038 χ^2/NDF: 4488012499.2

All: 131080.142+/-0.027 χ^2/NDF: 91727946

- sign 131128.748+/-0.037 χ^2/NDF: 4681351299.4/

yield_bpm0l05WS_rms vs Slug



Right In: 170.218+/-0.046 χ^2/NDF: 1098116.2/17

Left Out: 201.798+/-0.033 χ^2/NDF:905352.1/24

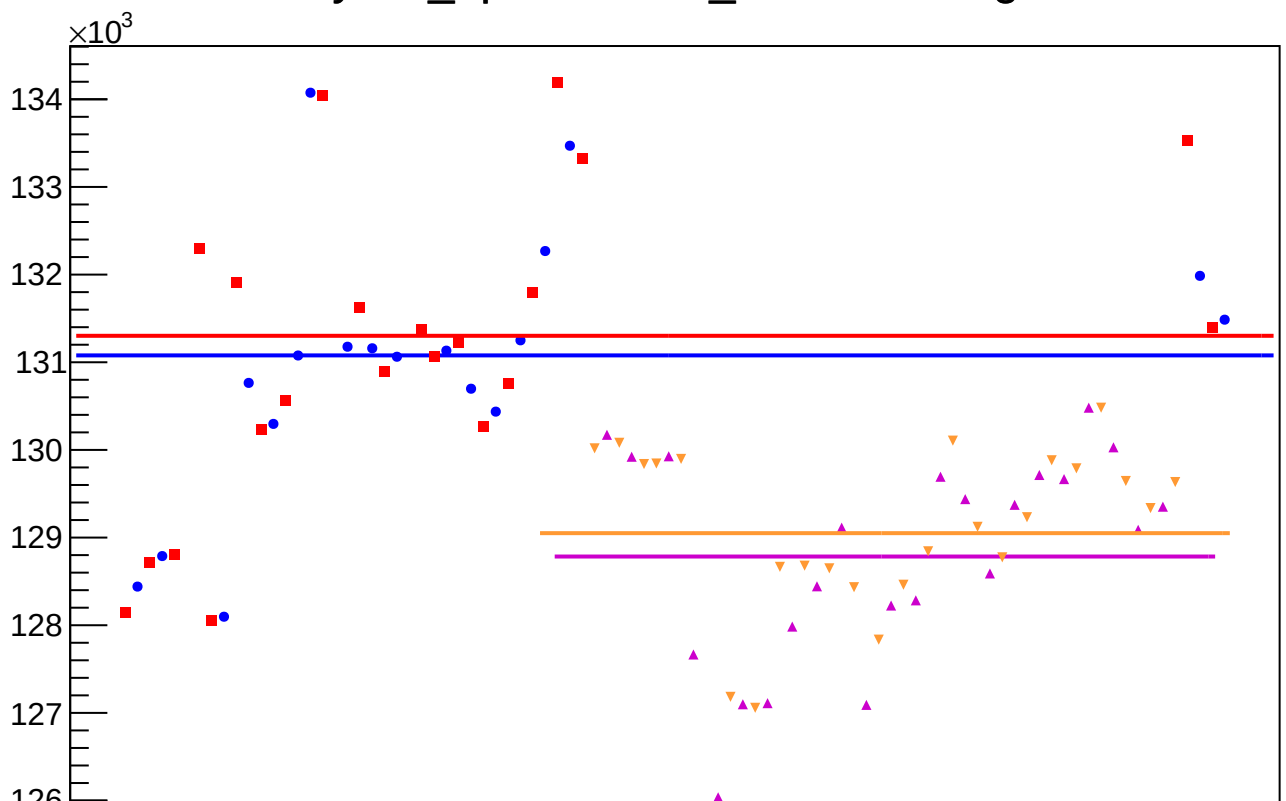
Right Out: 163.464+/-0.042 χ^2/NDF: 1569559.3/20

Left In: 201.947+/-0.034 χ^2/NDF:802700.2/22

+ sign 190.917+/-0.027 χ^2/NDF: 2316649.6/42

All: 188.744+/-0.019 χ^2/NDF: 5209628.7/86

- sign 186.634+/-0.026 χ^2/NDF: 2880044.3/43



Right In: 131078.311+/-0.059 χ^2/NDF: 527956514.4/17

Left Out: 129050.458+/-0.045 χ^2/NDF:530879250.1/24

Right Out: 131301.857+/-0.055 χ^2/NDF: 628537252.1/20

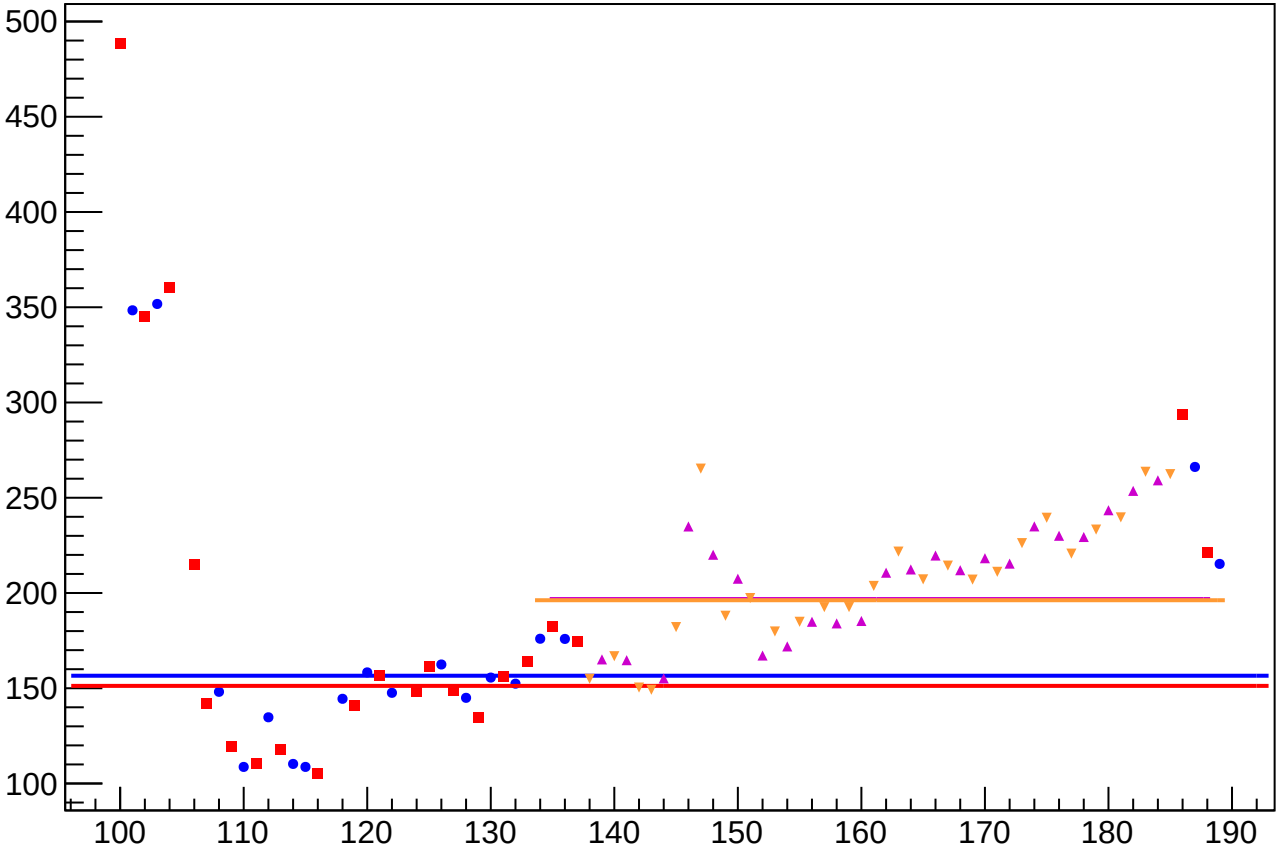
Left In: 128783.852+/-0.047 χ^2/NDF:655675405.6/22

+ sign 129804.419+/-0.036 χ^2/NDF: 1797638845.5

All: 129828.971+/-0.025 χ^2/NDF: 43066921

- sign 129852.872+/-0.036 χ^2/NDF: 2508138281.5/

yield_bpm0l06WS_rms vs Slug



Right In: 156.568+/-0.042 χ^2/NDF: 1208126.9/17

Left Out: 196.203+/-0.032 χ^2/NDF:922826.1/24

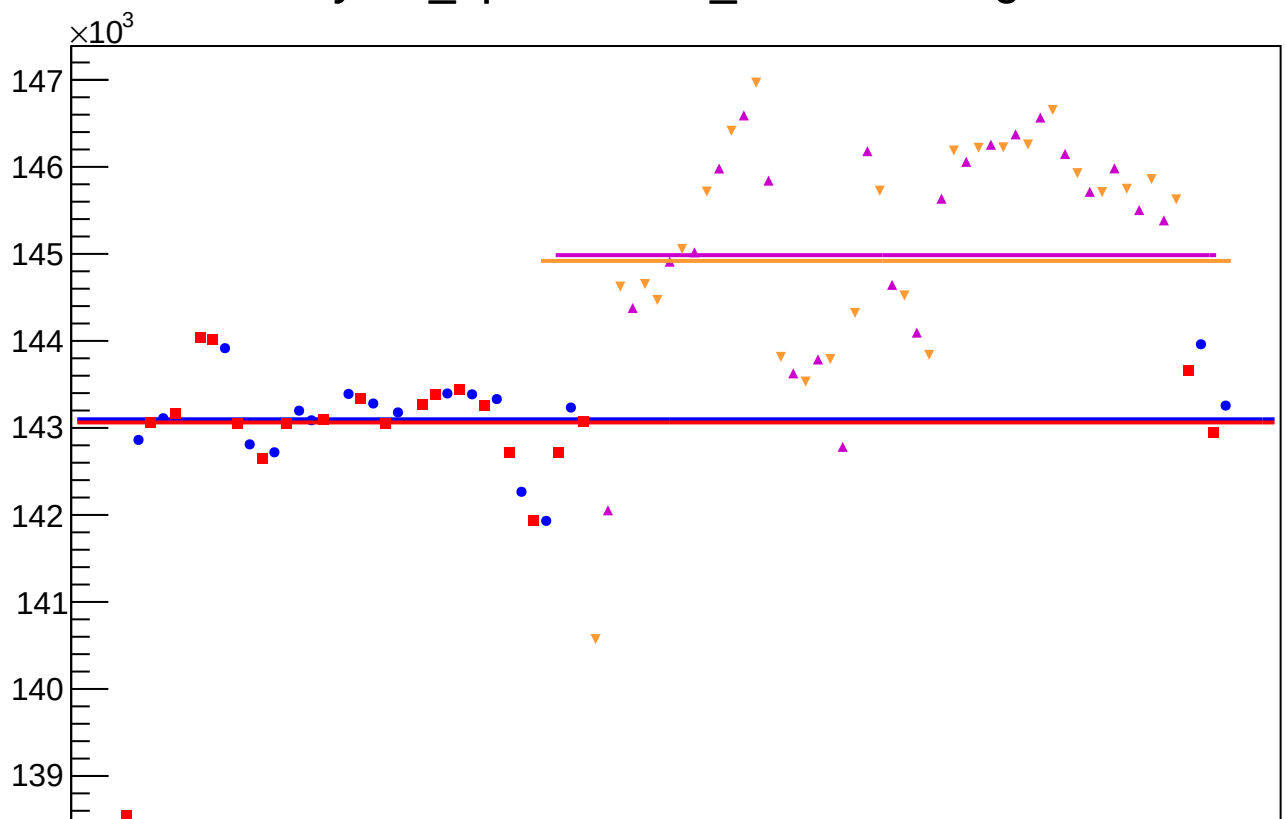
Right Out: 151.239+/-0.039 χ^2/NDF: 1672248.8/20

Left In: 196.840+/-0.033 χ^2/NDF:773052.6/22

+ sign 181.467+/-0.025 χ^2/NDF: 2695418.1/42

All: 179.447+/-0.018 χ^2/NDF: 5955921.0/86

- sign 177.480+/-0.025 χ^2/NDF: 3248114.7/43



Right In: 143098.981+/-0.064 χ^2/NDF: 48537504.0/17

Left Out: 144919.479+/-0.052 χ^2/NDF:835478710.7/24

Right Out: 143063.125+/-0.059 χ^2/NDF: 53274850.6/20

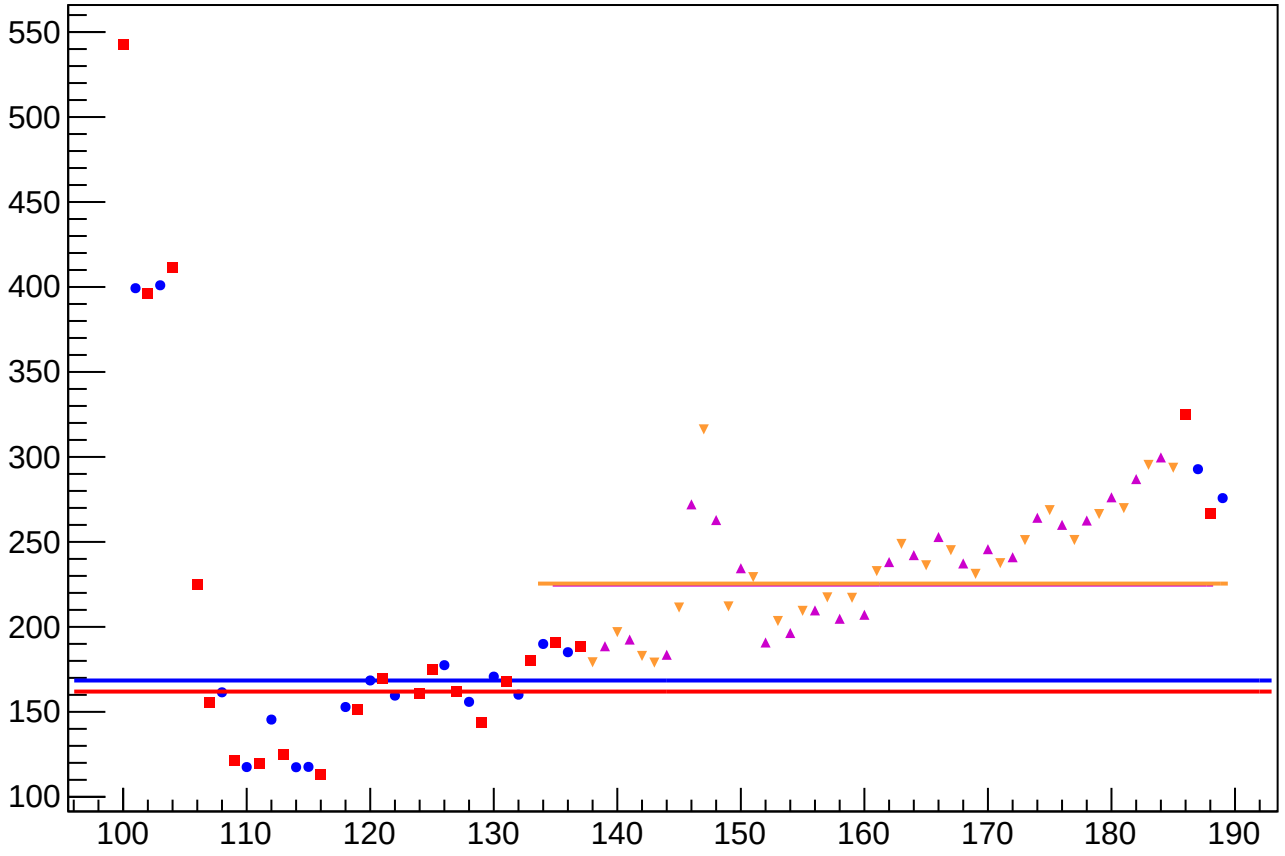
Left In: 144985.586+/-0.054 χ^2/NDF:618782558.7/22

+ sign 144189.851+/-0.040 χ^2/NDF: 1370919665.1

All: 144151.277+/-0.028 χ^2/NDF: 26283767

- sign 144114.244+/-0.040 χ^2/NDF: 1255672985.6/

yield_bpm0l07WS_rms vs Slug



Right In: 168.457+/-0.045 χ^2/NDF: 1364945.4/17

Left Out: 225.478+/-0.037 χ^2/NDF:775365.4/24

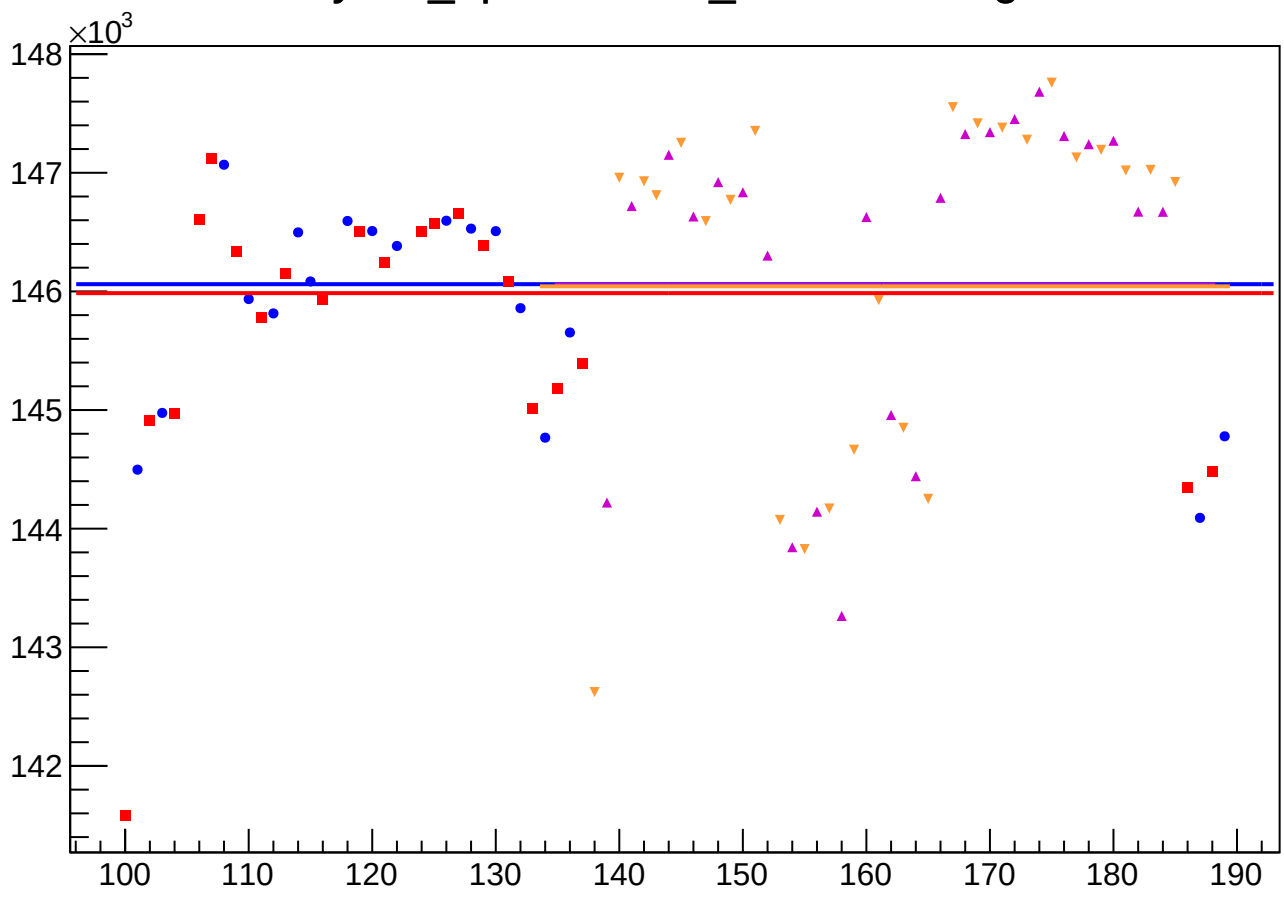
Right Out: 161.941+/-0.042 χ^2/NDF: 1890168.1/20

Left In: 224.869+/-0.038 χ^2/NDF:723816.1/22

+ sign 202.625+/-0.029 χ^2/NDF: 3095685.0/42

All: 199.422+/-0.020 χ^2/NDF: 6984899.5/86

- sign 196.347+/-0.028 χ^2/NDF: 3864611.9/43



Right In: 146060.847+/-0.066 χ^2/NDF: 98288046.0/17

Left Out: 146042.636+/-0.052 χ^2/NDF:882705044.1/24

Right Out: 145985.333+/-0.060 χ^2/NDF: 128078199.7/20

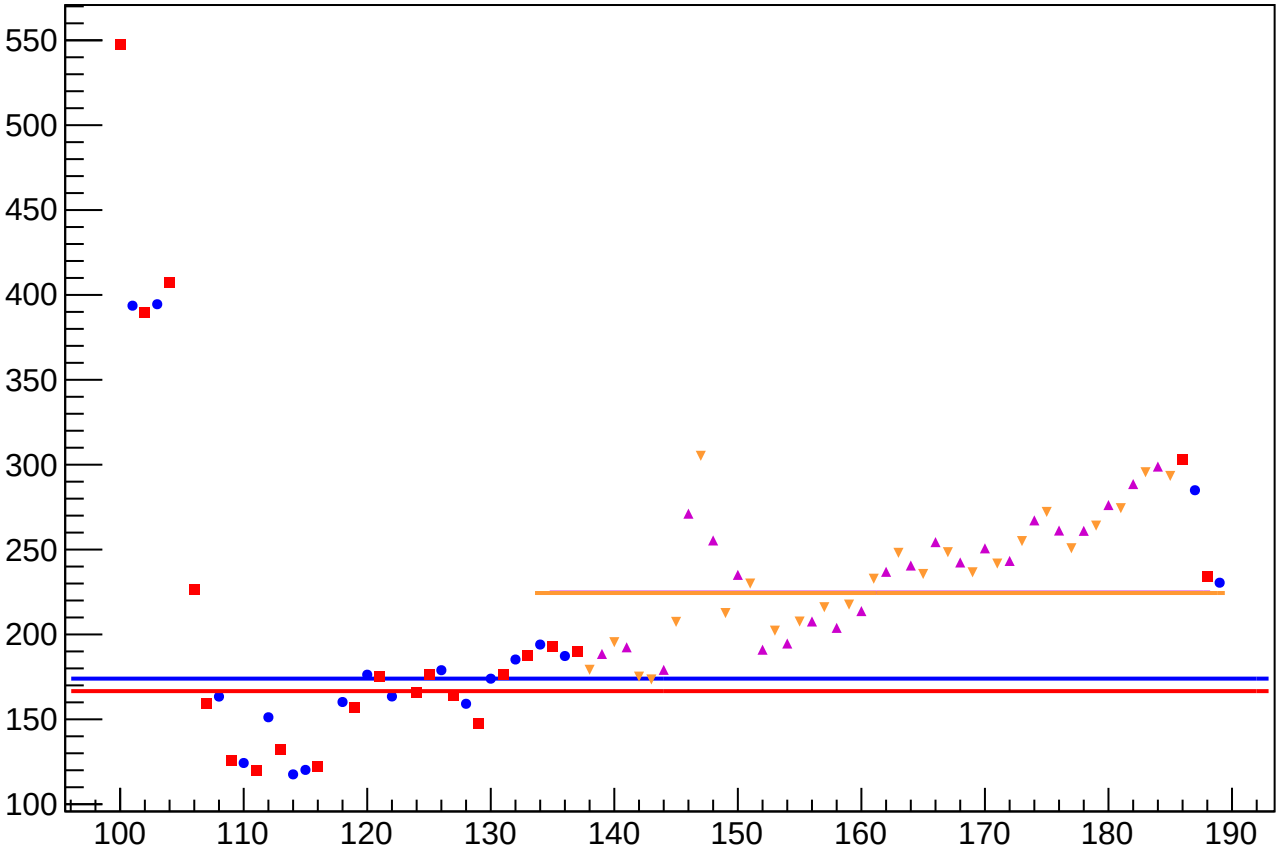
Left In: 146056.687+/-0.054 χ^2/NDF:698743124.4/22

+ sign 146049.666+/-0.041 χ^2/NDF: 981040414.9/4

All: 146037.111+/-0.029 χ^2/NDF: 18088349

- sign 146025.043+/-0.040 χ^2/NDF: 827608371.4/4

yield_bpm0l08WS_rms vs Slug



Right In: 173.982+/-0.046 χ^2/NDF: 1183308.3/17

Left Out: 224.409+/-0.037 χ^2/NDF:849100.4/24

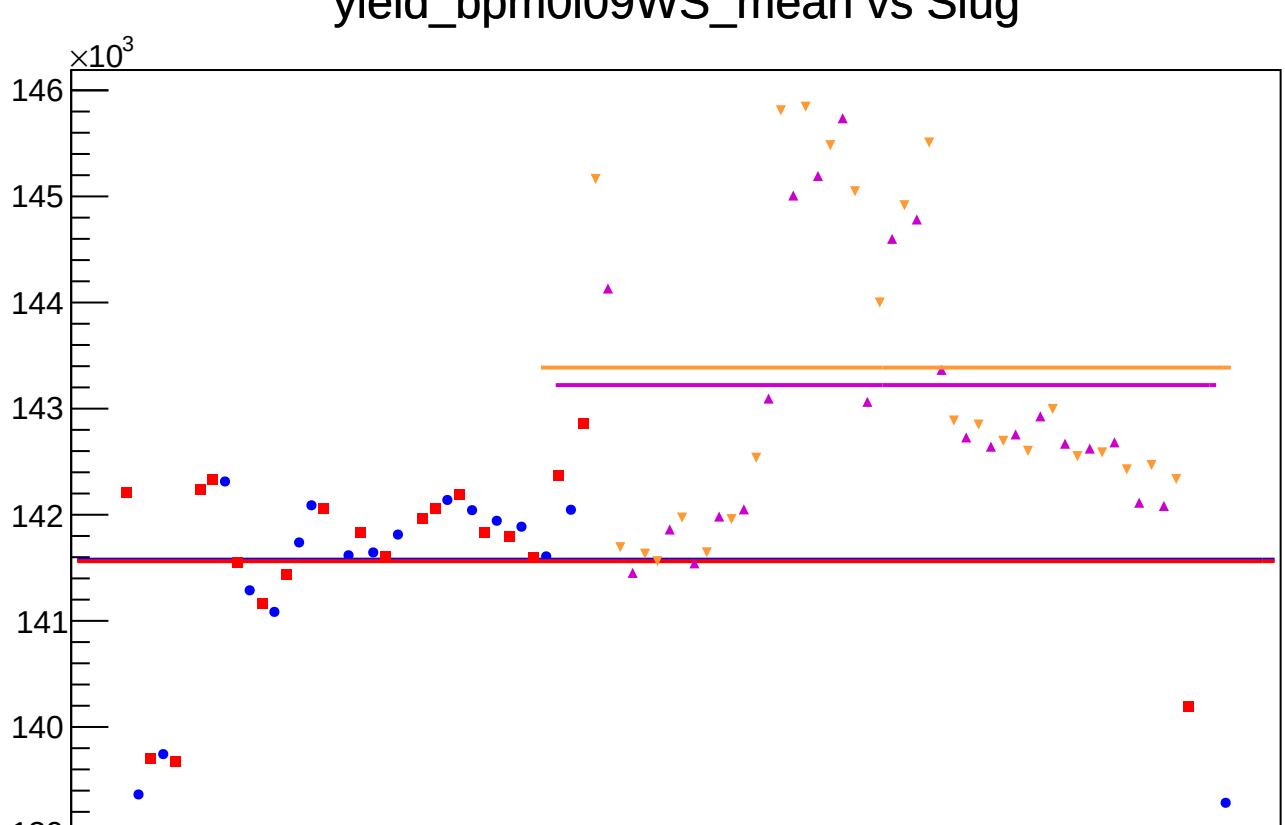
Right Out: 166.613+/-0.042 χ^2/NDF: 1637898.4/20

Left In: 224.655+/-0.038 χ^2/NDF:756996.8/22

+ sign 204.943+/-0.029 χ^2/NDF: 2758172.8/42

All: 201.869+/-0.020 χ^2/NDF: 6216937.0/86

- sign 198.914+/-0.028 χ^2/NDF: 3436443.8/43



Right In: 141576.821+/-0.067 χ^2/NDF: 120684245.2/17

Left Out: 143386.915+/-0.054 χ^2/NDF:784001363.1/24

Right Out: 141562.492+/-0.062 χ^2/NDF: 152806400.1/20

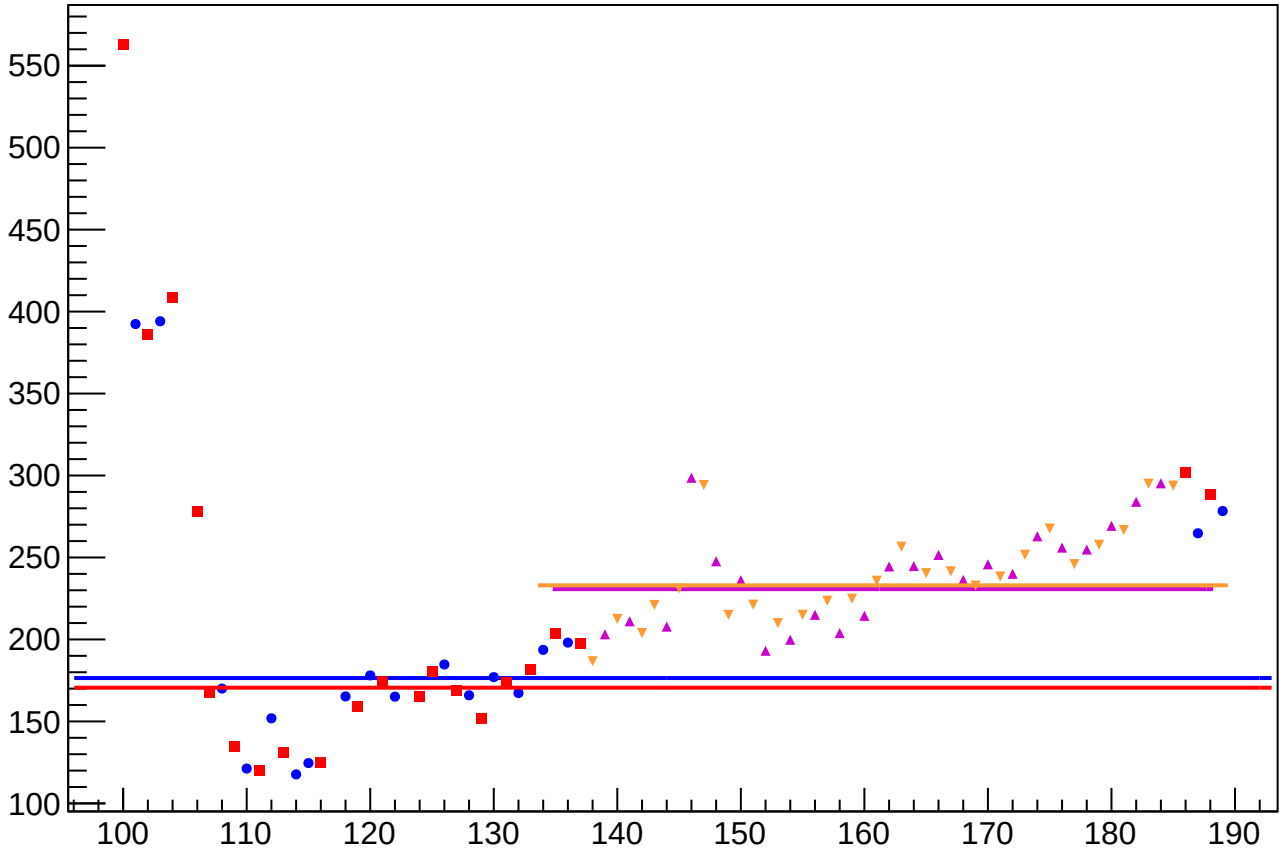
Left In: 143221.802+/-0.055 χ^2/NDF:540234973.1/22

+ sign 142676.815+/-0.042 χ^2/NDF: 1350682122.2

All: 142582.459+/-0.029 χ^2/NDF: 24566404

- sign 142491.754+/-0.041 χ^2/NDF: 1095988172.1/

yield_bpm0l09WS_rms vs Slug



Right In: 176.456+/-0.047 χ^2/NDF: 1259099.4/17

Left Out: 233.007+/-0.038 χ^2/NDF:446120.9/24

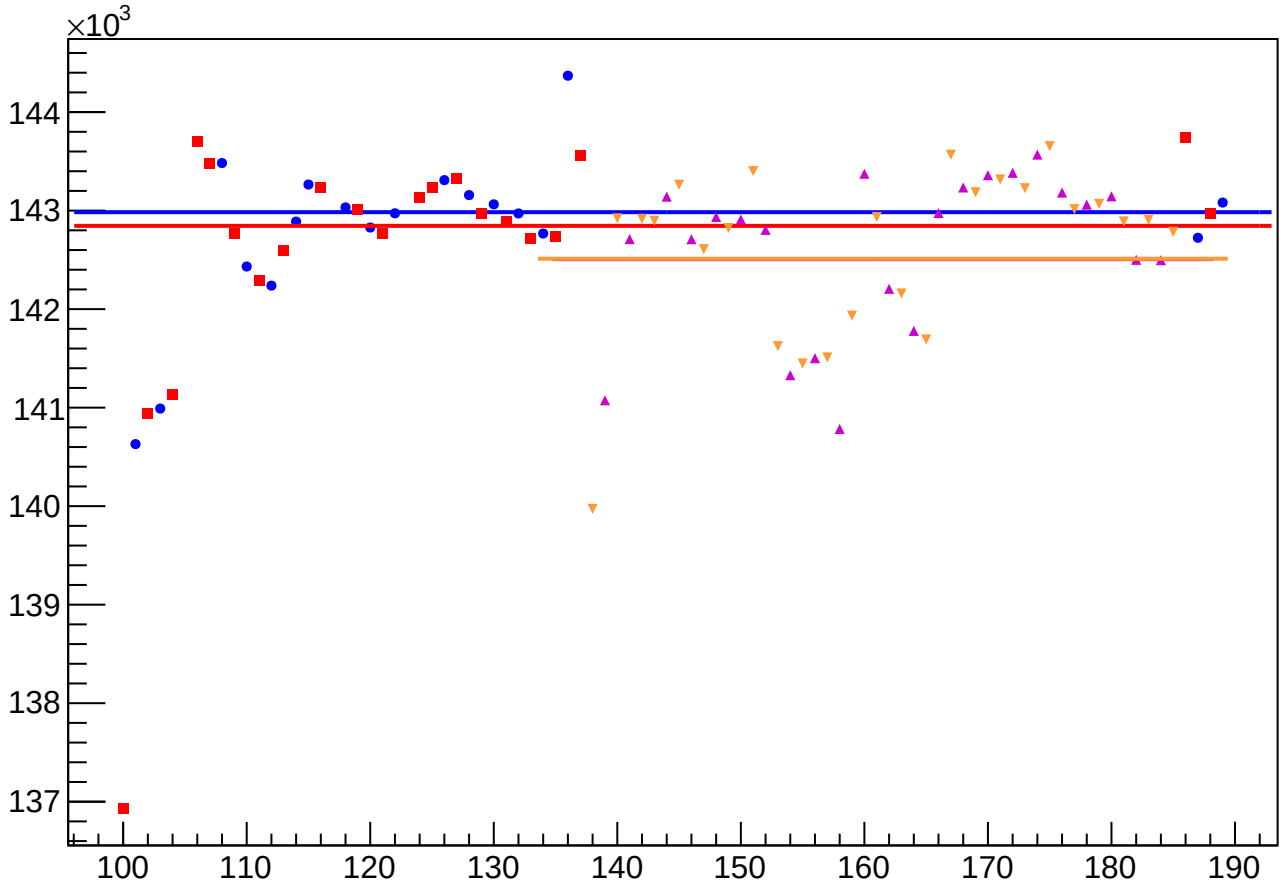
Right Out: 170.572+/-0.044 χ^2/NDF: 1798406.6/20

Left In: 230.693+/-0.039 χ^2/NDF:512017.9/22

+ sign 210.822+/-0.030 χ^2/NDF: 2575849.3/42

All: 207.467+/-0.021 χ^2/NDF: 5969465.8/86

- sign 204.241+/-0.029 χ^2/NDF: 3368401.8/43



Right In: 142984.209+/-0.067 χ^2/NDF: 107922767.6/17

Left Out: 142511.381+/-0.051 χ^2/NDF:338087157.2/24

Right Out: 142845.298+/-0.062 χ^2/NDF: 67219685.6/20

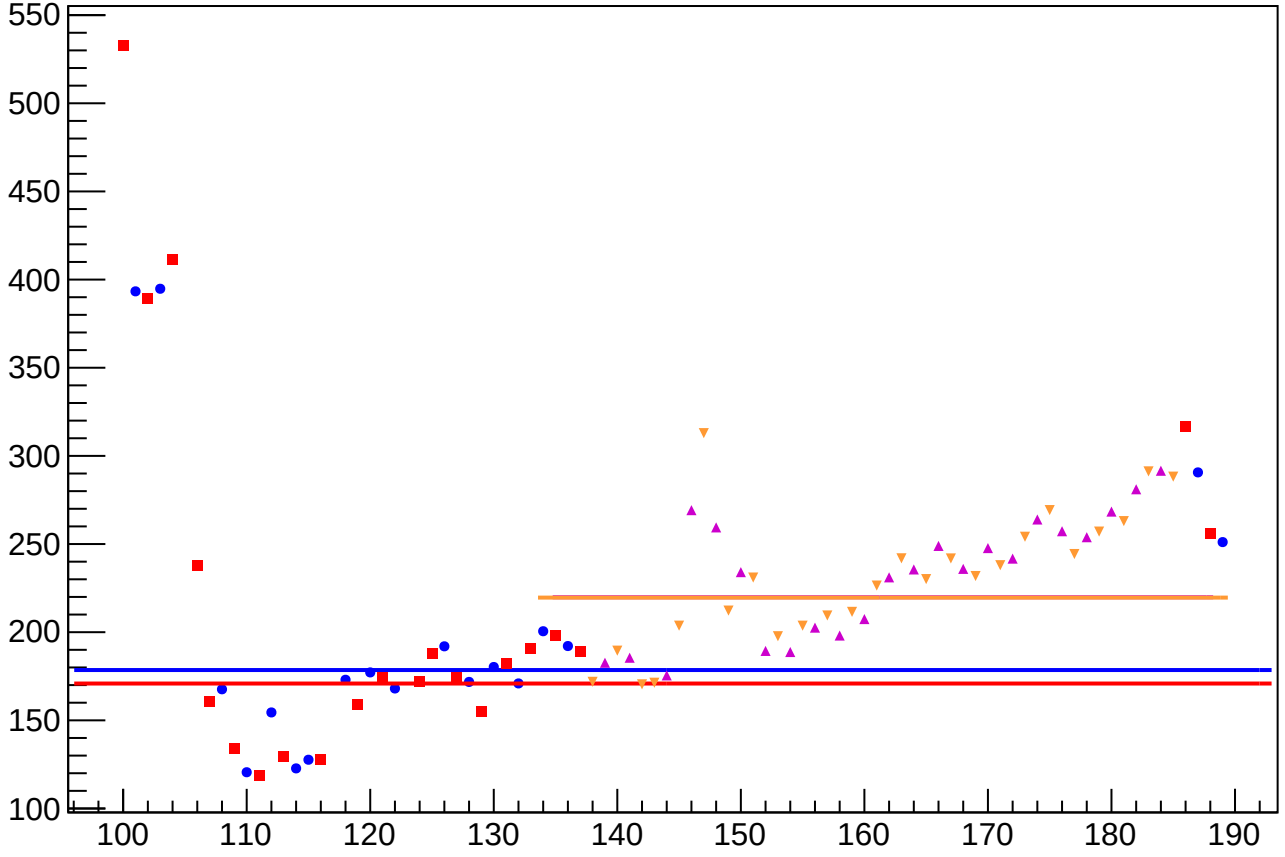
Left In: 142507.563+/-0.052 χ^2/NDF:269272097.4/22

+ sign 142682.997+/-0.041 χ^2/NDF: 477330496.6/4

All: 142665.697+/-0.028 χ^2/NDF: 831571206

- sign 142648.965+/-0.040 χ^2/NDF: 353883967.6/4

yield_bpm0l10WS_rms vs Slug



Right In: 178.532+/-0.048 χ^2/NDF: 1198825.1/17

Left Out: 219.618+/-0.036 χ^2/NDF:902026.4/24

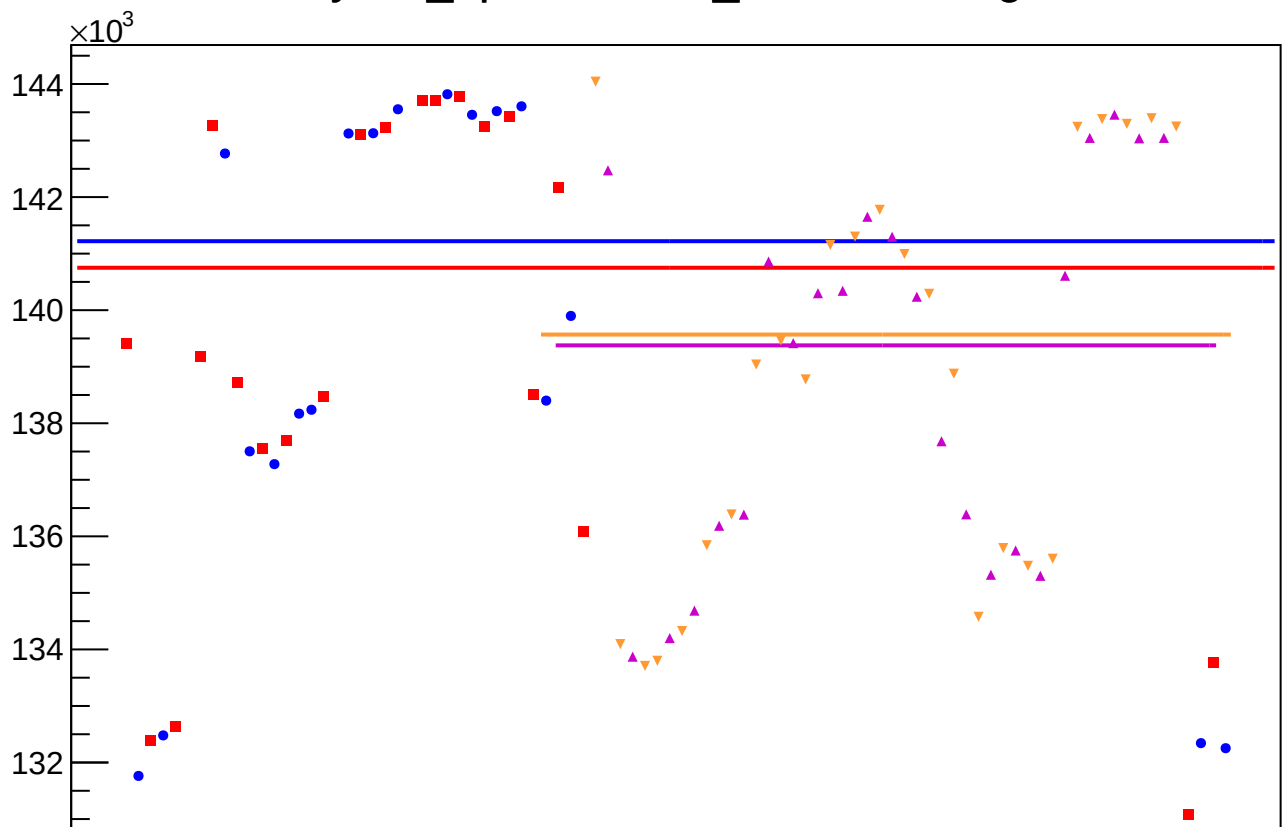
Right Out: 170.880+/-0.044 χ^2/NDF: 1690032.4/20

Left In: 219.813+/-0.037 χ^2/NDF:805501.8/22

+ sign 204.706+/-0.029 χ^2/NDF: 2573818.9/42

All: 201.971+/-0.020 χ^2/NDF: 5817381.5/86

- sign 199.326+/-0.028 χ^2/NDF: 3225734.9/43



Right In: 141219.943+/-0.099 χ^2/NDF: 1238880170.2/17

Left Out: 139568.750+/-0.070 χ^2/NDF:2586638805.4/24

Right Out: 140750.072+/-0.097 χ^2/NDF: 1446169333.1/20

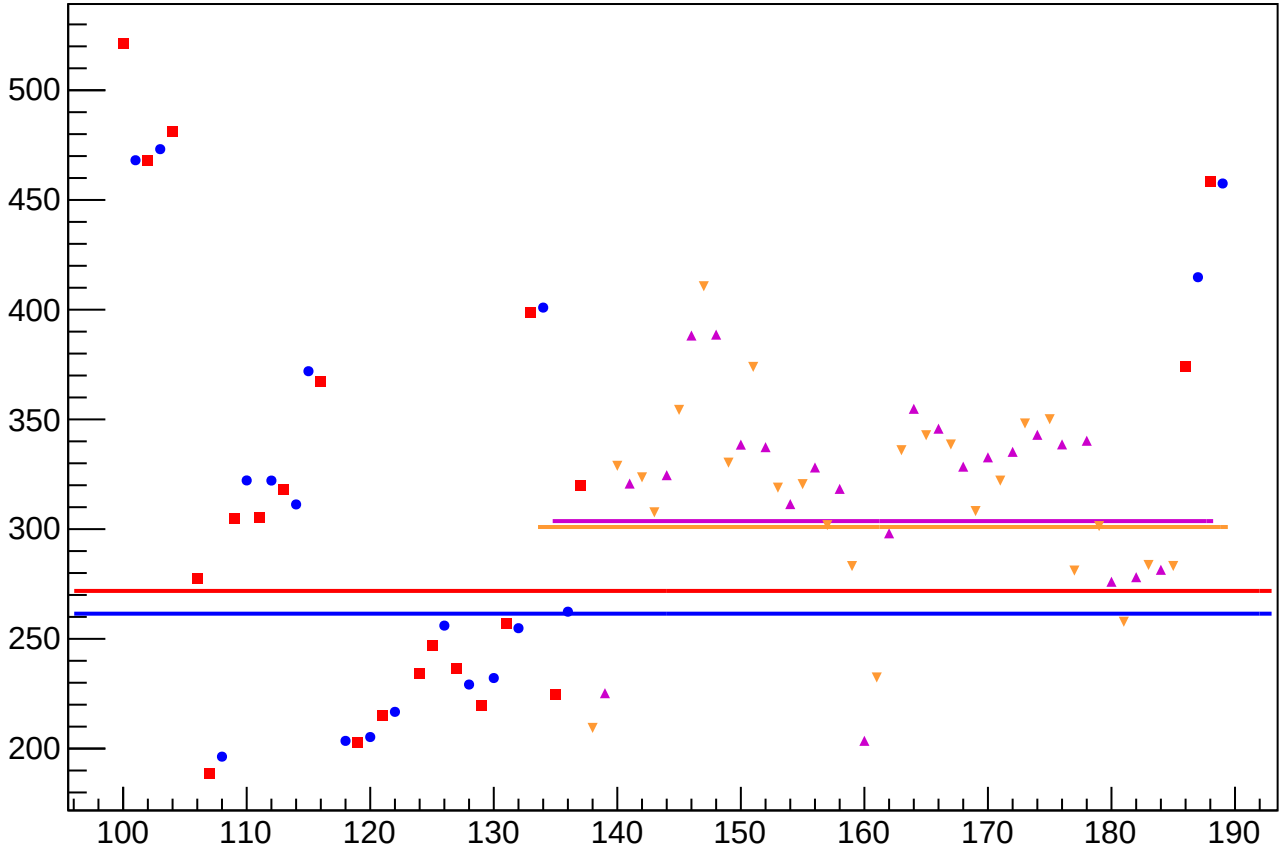
Left In: 139377.582+/-0.073 χ^2/NDF:1921434868.2/22

+ sign 140118.965+/-0.057 χ^2/NDF: 4010793143.1

All: 139997.263+/-0.041 χ^2/NDF: 75147162

- sign 139870.280+/-0.058 χ^2/NDF: 3494666416.8/

yield_bpm0r03WS_rms vs Slug



Right In: 261.473+/-0.070 χ^2/NDF: 1197614.0/17

Left Out: 300.964+/-0.050 χ^2/NDF:876889.9/24

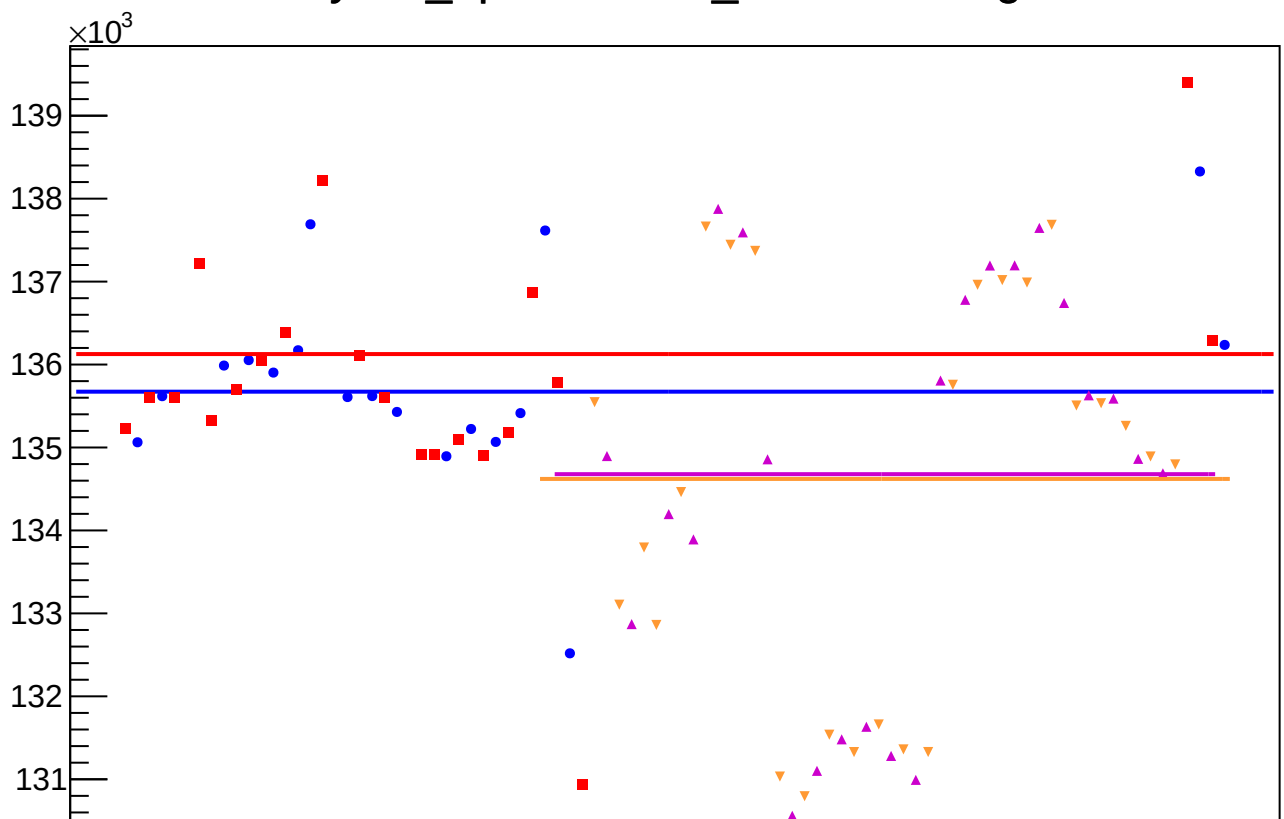
Right Out: 271.840+/-0.069 χ^2/NDF: 1389354.8/20

Left In: 303.658+/-0.052 χ^2/NDF:976252.9/22

+ sign 287.805+/-0.040 χ^2/NDF: 2286458.2/42

All: 289.973+/-0.029 χ^2/NDF: 4794523.8/86

- sign 292.236+/-0.041 χ^2/NDF: 2502187.2/43



Right In: 135672.898+/-0.112 χ^2/NDF: 108294010.8/17

Left Out: 134620.993+/-0.064 χ^2/NDF:1201492843.7/24

Right Out: 136126.333+/-0.098 χ^2/NDF: 138258454.7/20

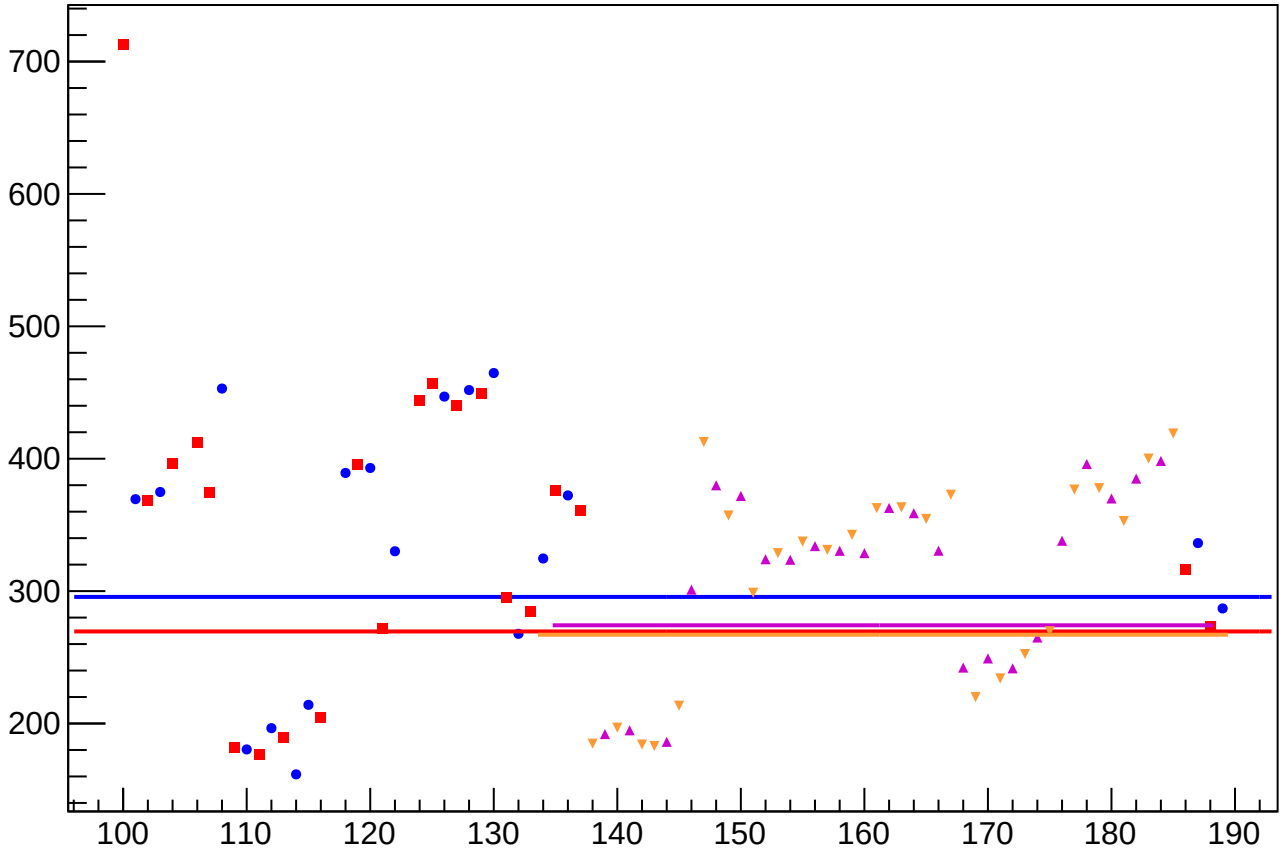
Left In: 134678.497+/-0.067 χ^2/NDF:1096295429.9/22

+ sign 134877.503+/-0.055 χ^2/NDF: 1376210555.5

All: 135010.140+/-0.039 χ^2/NDF: 27719870

- sign 135141.576+/-0.055 χ^2/NDF: 1384373429.2/

yield_bpm0r05WS_rms vs Slug



Right In: 295.608+/-0.079 χ^2/NDF: 1448772.3/17

Left Out: 267.053+/-0.045 χ^2/NDF:2843307.1/24

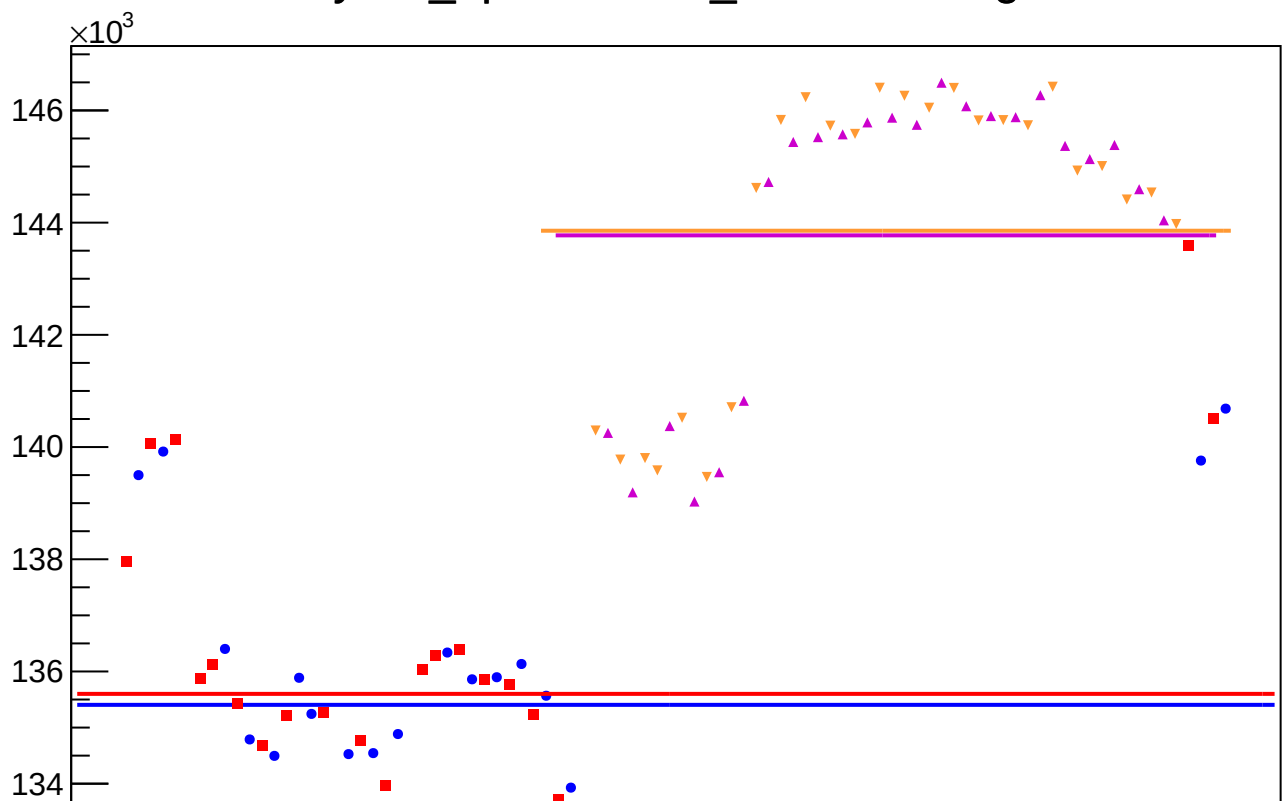
Right Out: 269.526+/-0.069 χ^2/NDF: 1697335.1/20

Left In: 274.177+/-0.047 χ^2/NDF:2236755.2/22

+ sign 274.016+/-0.039 χ^2/NDF: 4389971.0/42

All: 273.350+/-0.028 χ^2/NDF: 8327729.2/86

- sign 272.690+/-0.039 χ^2/NDF: 3937182.4/43



Right In: 135405.067+/-0.054 χ^2/NDF: 665649427.2/17

Left Out: 143855.894+/-0.048 χ^2/NDF:3130204188.4/24

Right Out: 135600.678+/-0.050 χ^2/NDF: 1120174282.3/20

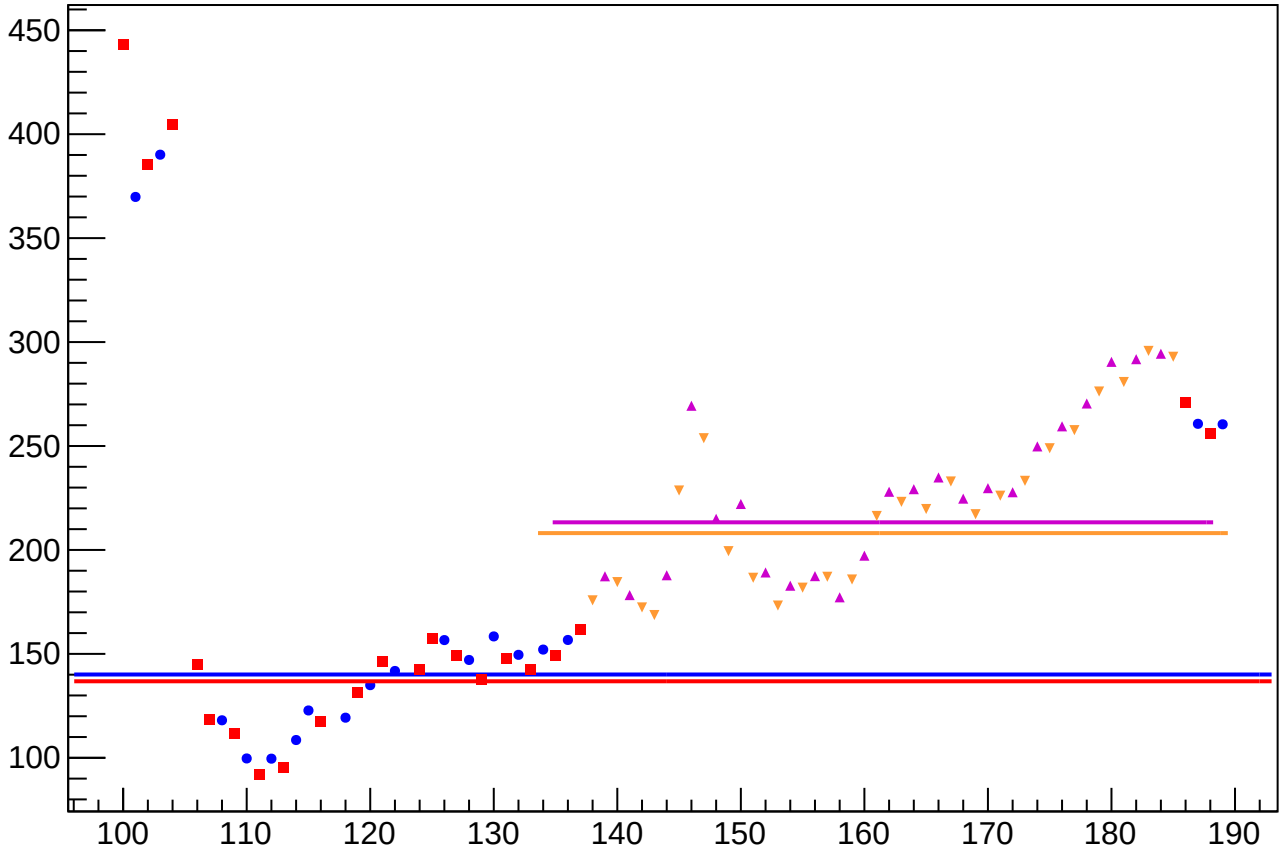
Left In: 143773.112+/-0.051 χ^2/NDF:2803362782.2/22

+ sign 140087.567+/-0.036 χ^2/NDF: 17427158499.

All: 139865.994+/-0.025 χ^2/NDF: 344333433

- sign 139646.285+/-0.036 χ^2/NDF: 16930650550.8

yield_bpm0i02WS_rms vs Slug



Right In: 140.082+/-0.038 χ^2/NDF: 1699053.8/17

Left Out: 208.100+/-0.034 χ^2/NDF:993011.6/24

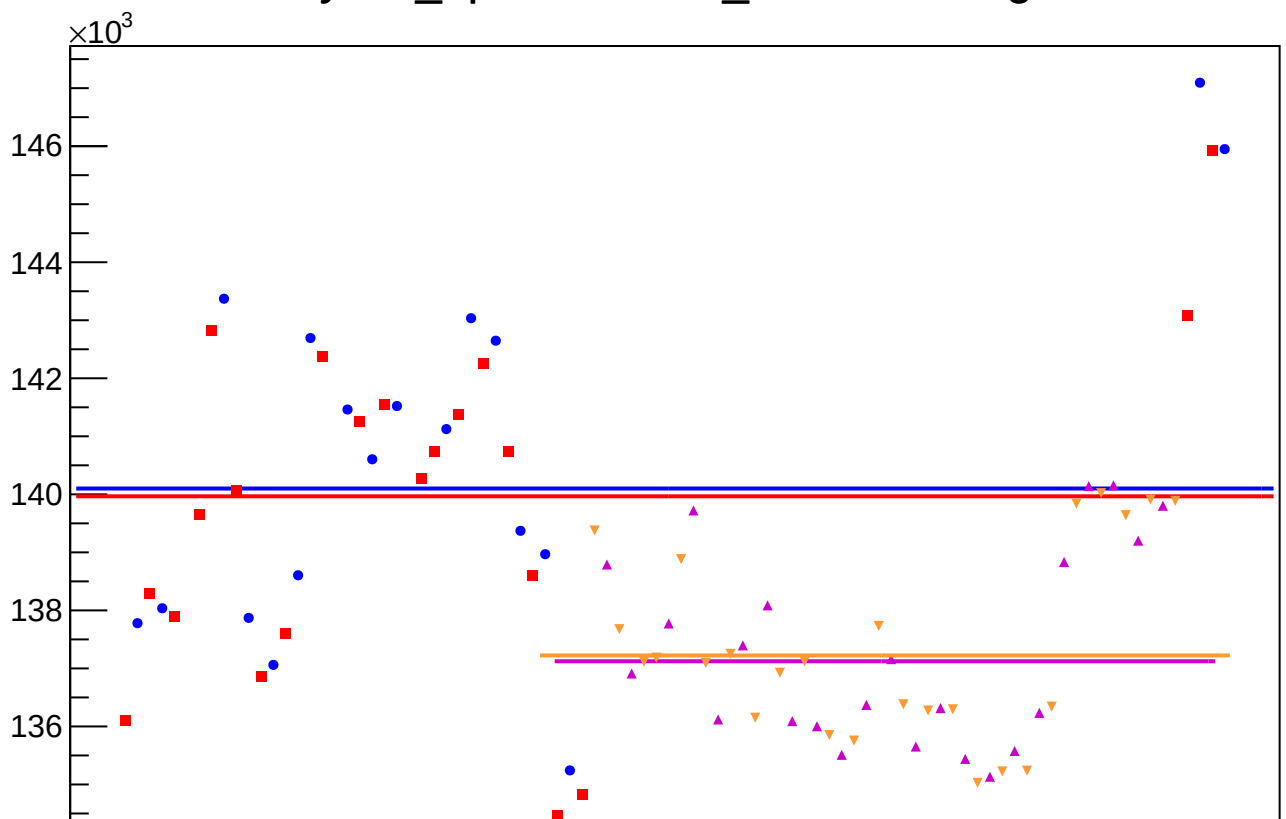
Right Out: 136.817+/-0.036 χ^2/NDF: 2164427.4/20

Left In: 213.288+/-0.036 χ^2/NDF:865525.4/22

+ sign 177.770+/-0.025 χ^2/NDF: 4458201.2/42

All: 176.215+/-0.018 χ^2/NDF: 9773334.2/86

- sign 174.672+/-0.025 χ^2/NDF: 5307688.1/43



Right In: 140100.355+/-0.061 χ^2/NDF: 2122353526.6/17

Left Out: 137223.651+/-0.049 χ^2/NDF:894565924.0/24

Right Out: 139965.880+/-0.058 χ^2/NDF: 2113115099.7/20

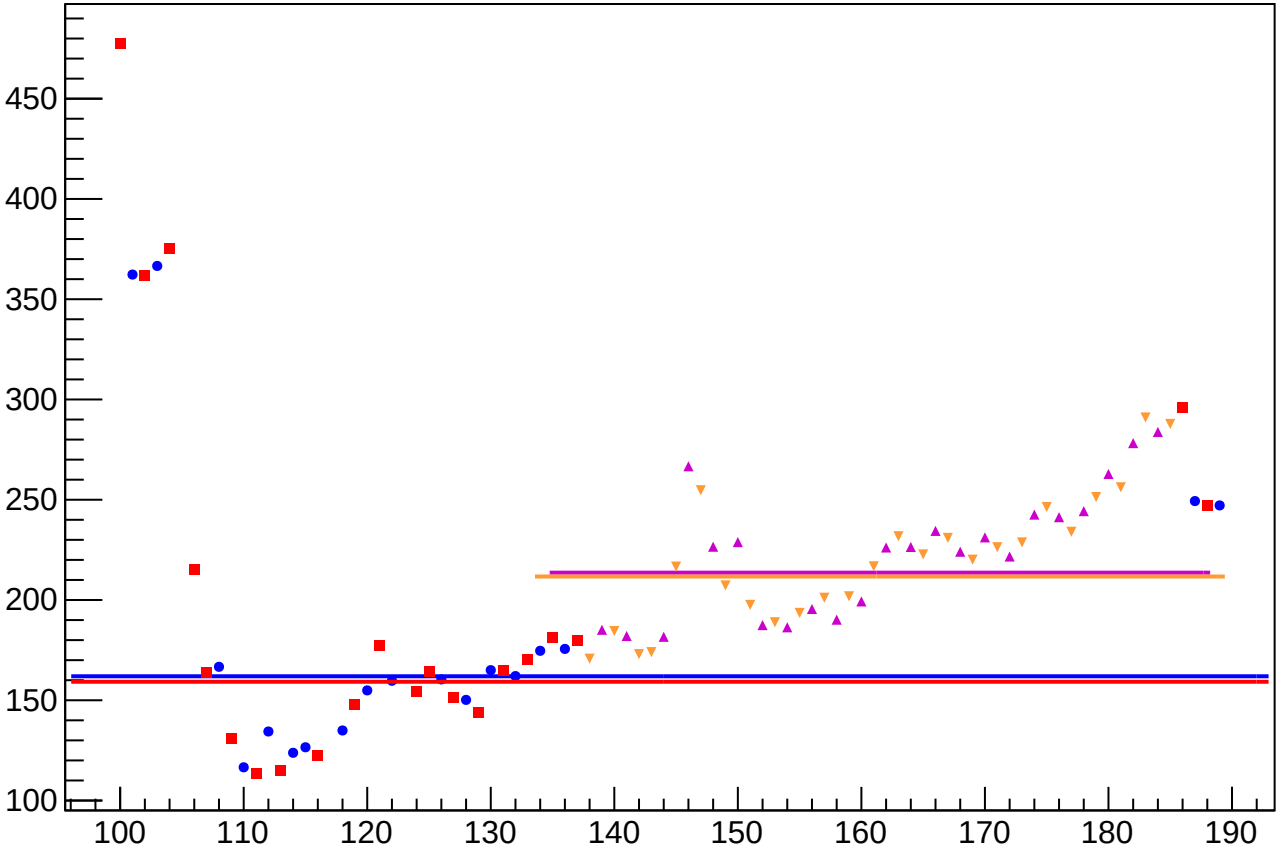
Left In: 137123.557+/-0.051 χ^2/NDF:860635149.0/22

+ sign 138348.234+/-0.038 χ^2/NDF: 4361729505.1

All: 138357.923+/-0.027 χ^2/NDF: 87000024

- sign 138367.560+/-0.038 χ^2/NDF: 4338145178.9/

yield_bpm0i02aWS_rms vs Slug



Right In: 161.963+/-0.043 χ^2/NDF: 1195707.9/17

Left Out: 211.714+/-0.035 χ^2/NDF:675587.4/24

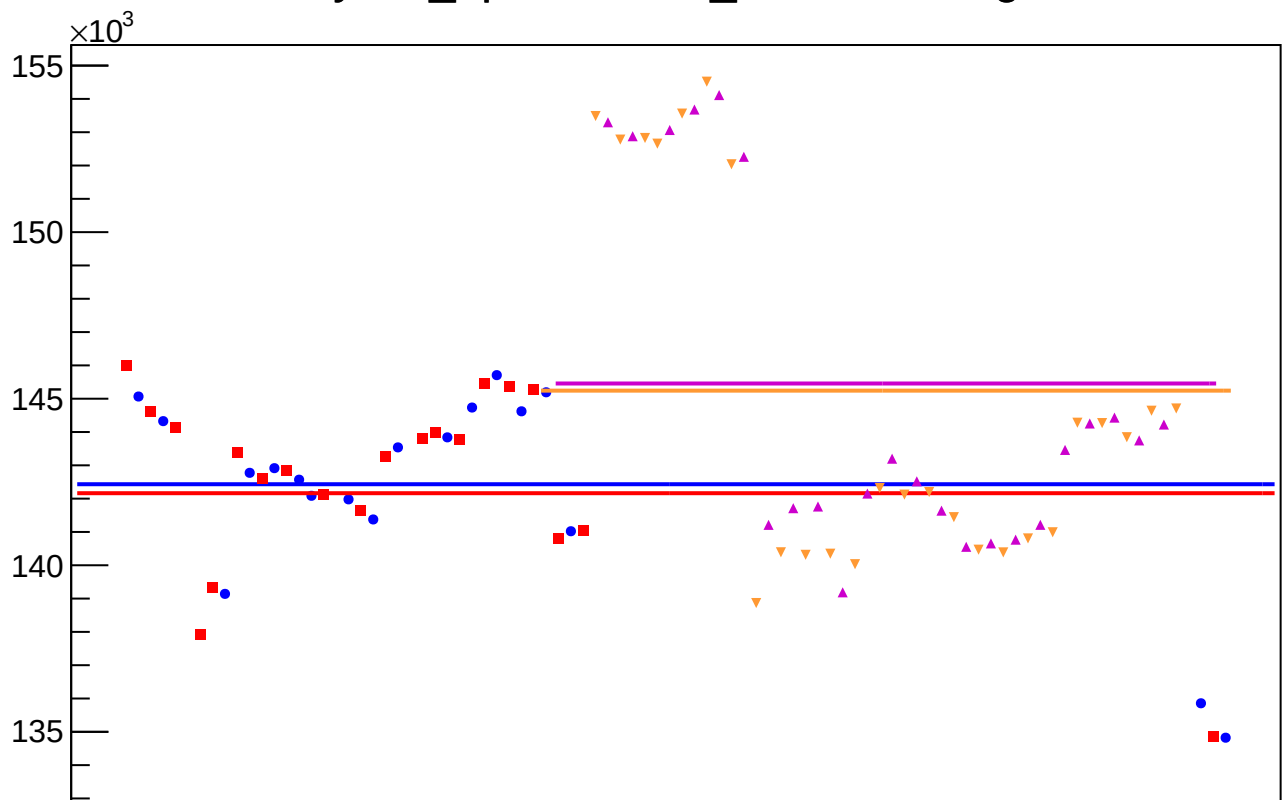
Right Out: 159.236+/-0.041 χ^2/NDF: 1669873.9/20

Left In: 213.641+/-0.036 χ^2/NDF:621332.1/22

+ sign 192.265+/-0.027 χ^2/NDF: 2675736.2/42

All: 191.044+/-0.019 χ^2/NDF: 5970779.7/86

- sign 189.829+/-0.027 χ^2/NDF: 3290983.0/43



Right In: 142432.841+/-0.064 χ^2/NDF: 1600310828.2/17

Left Out: 145242.337+/-0.050 χ^2/NDF:13032998081.1/24

Right Out: 142163.398+/-0.059 χ^2/NDF: 2575851982.3/20

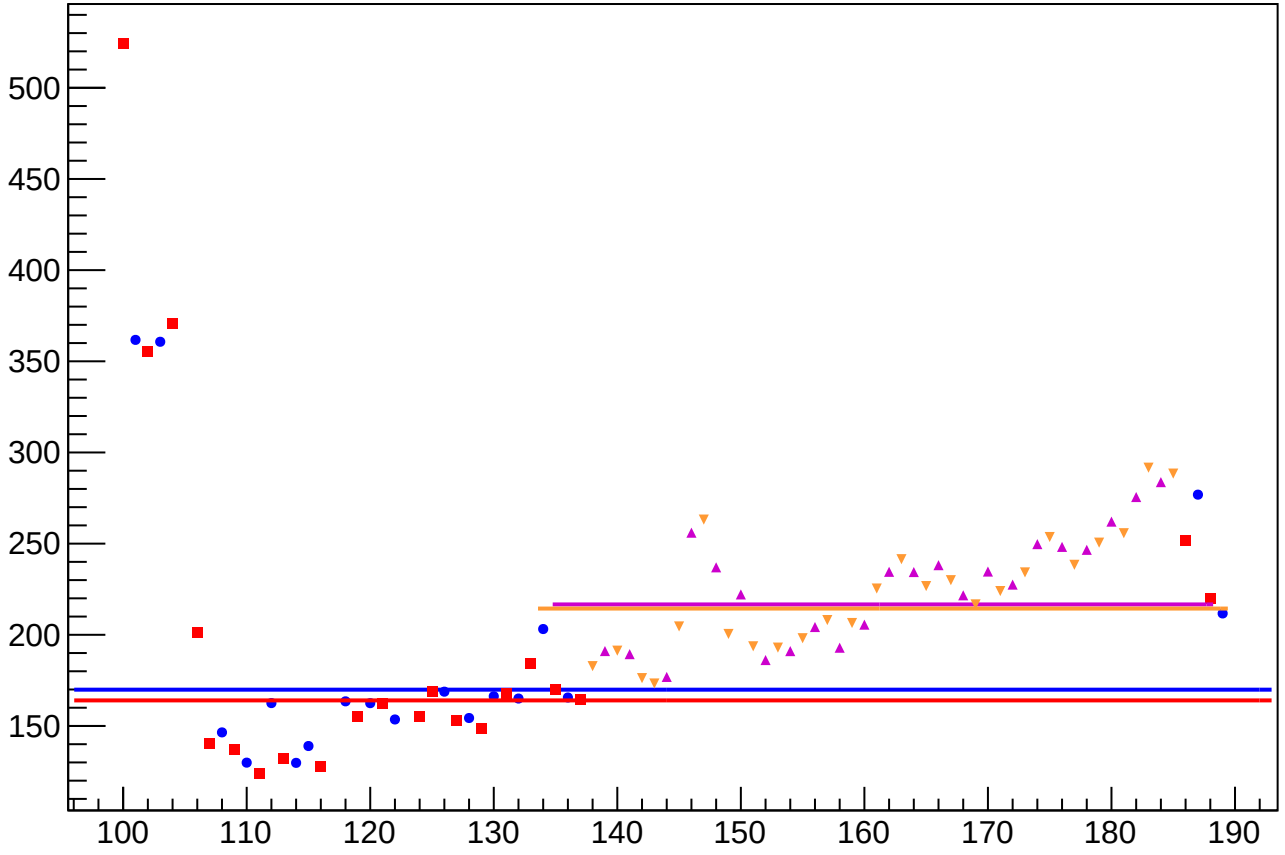
Left In: 145456.704+/-0.052 χ^2/NDF:11073020116.4/22

+ sign 144182.494+/-0.039 χ^2/NDF: 15842620426.

All: 144101.827+/-0.028 χ^2/NDF: 31274895

- sign 144022.807+/-0.039 χ^2/NDF: 15423874446.5

yield_bpm0i05WS_rms vs Slug



Right In: 169.906+/-0.045 χ^2/NDF: 965275.8/17

Left Out: 214.391+/-0.035 χ^2/NDF:643384.3/24

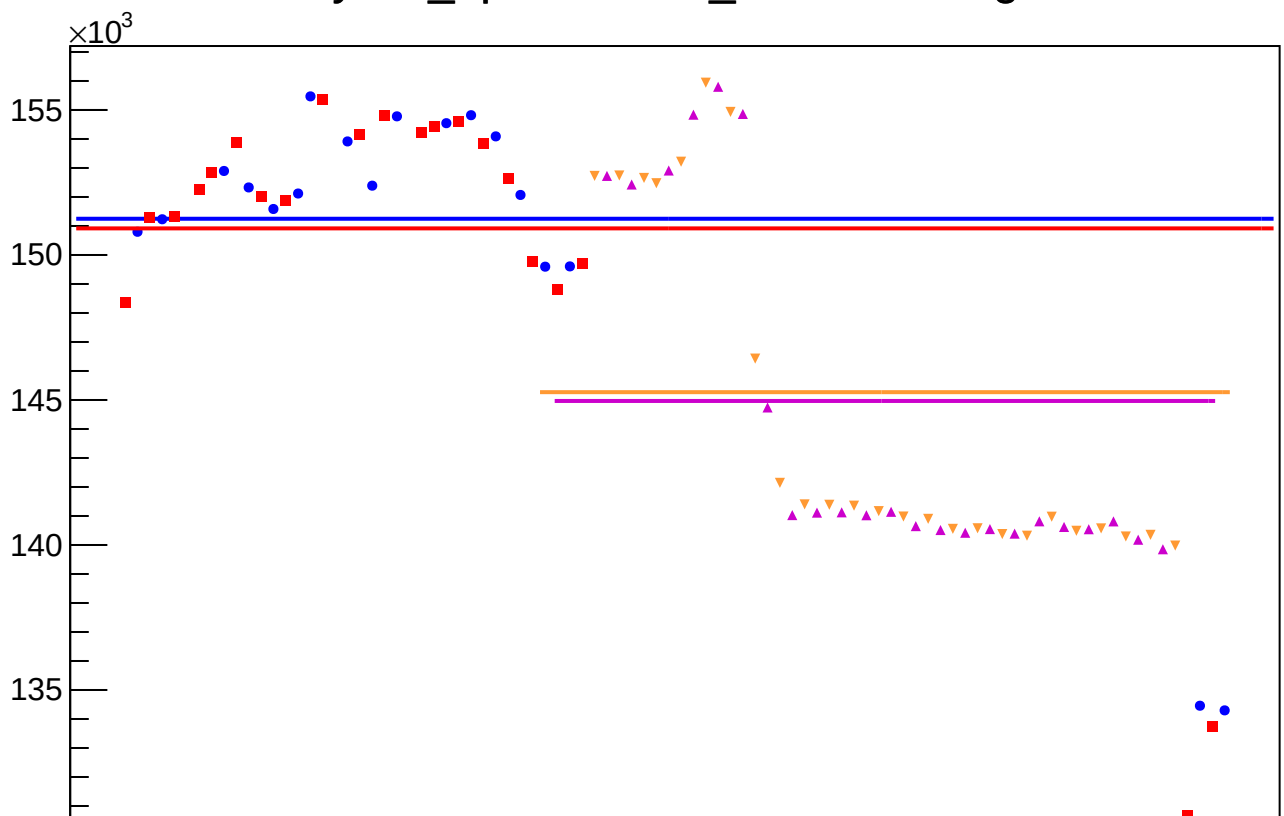
Right Out: 164.022+/-0.042 χ^2/NDF: 1261370.5/20

Left In: 216.654+/-0.036 χ^2/NDF:587166.8/22

+ sign 197.610+/-0.028 χ^2/NDF: 2215030.6/42

All: 195.654+/-0.019 χ^2/NDF: 4980164.6/86

- sign 193.738+/-0.027 χ^2/NDF: 2755257.3/43



Right In: 151249.437+/-0.070 χ^2/NDF: 5137757260.5/17

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: 150917.021+/-0.063 χ^2/NDF: 9299088405.1/20

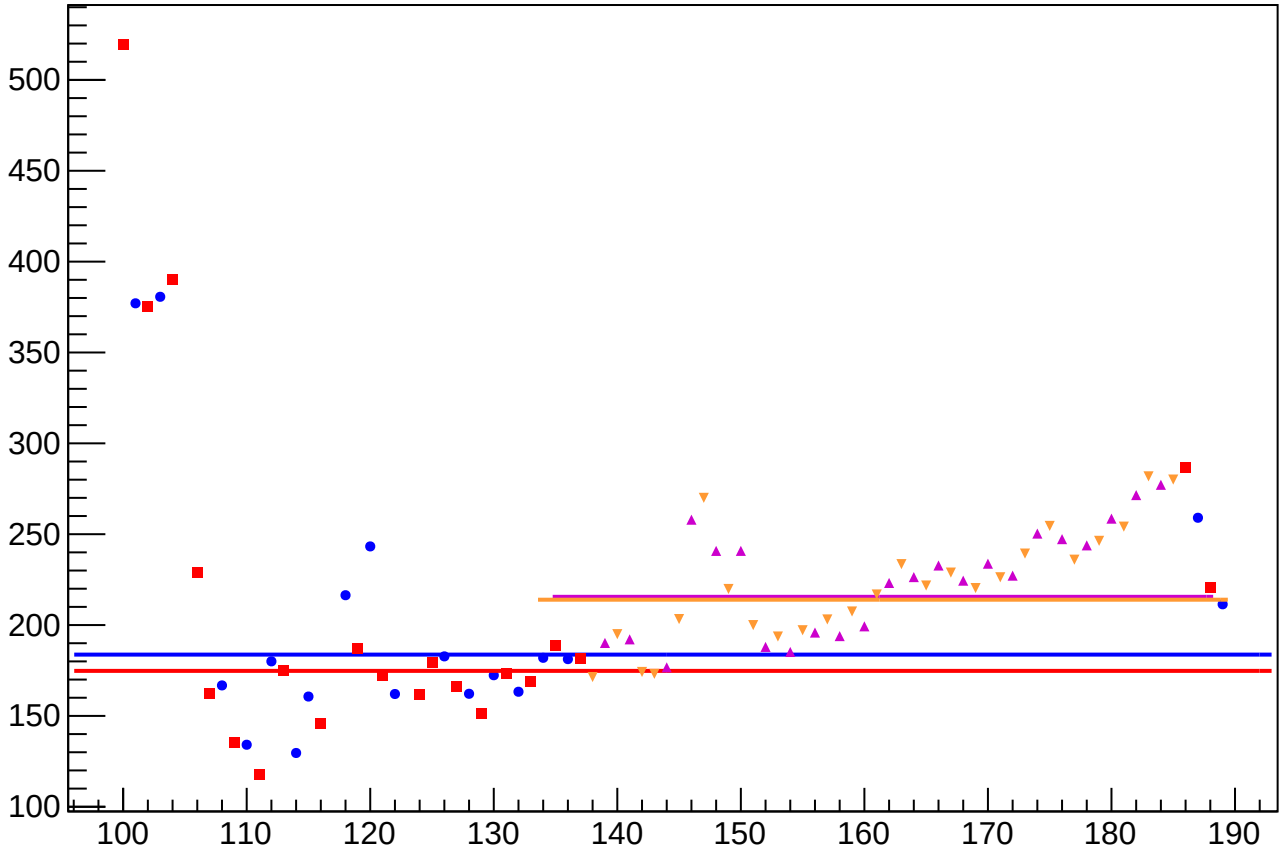
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign 147257.828+/-0.040 χ^2/NDF: 23717579097.

All: 147288.667+/-0.028 χ^2/NDF: 51511154

- sign 147318.695+/-0.040 χ^2/NDF: 27792423555.7

yield_bpm0i07WS_rms vs Slug



Right In: 183.738+/-0.049 χ^2/NDF: 959467.7/17

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

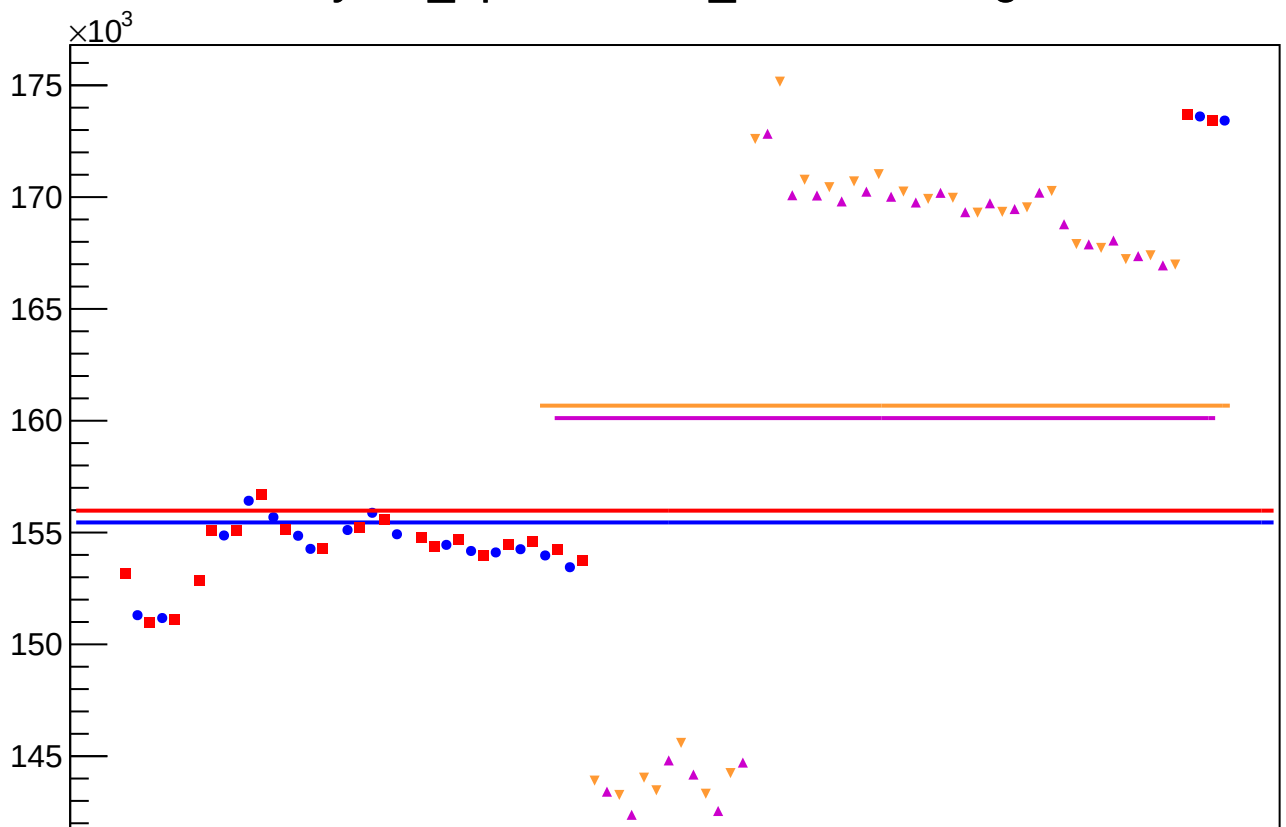
Right Out: 174.781+/-0.045 χ^2/NDF: 1314837.0/20

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 203.907+/-0.029 χ^2/NDF: 1858913.3/42

All: 201.637+/-0.020 χ^2/NDF: 4287736.4/86

- sign 199.427+/-0.028 χ^2/NDF: 2416334.2/43



Right In: 155451.624+/-0.064 χ^2/NDF: 3441917535.8/17

Left Out: 160674.818+/-0.047 χ^2/NDF:74155131898.4/24

Right Out: 155979.544+/-0.059 χ^2/NDF: 6239518267.0/20

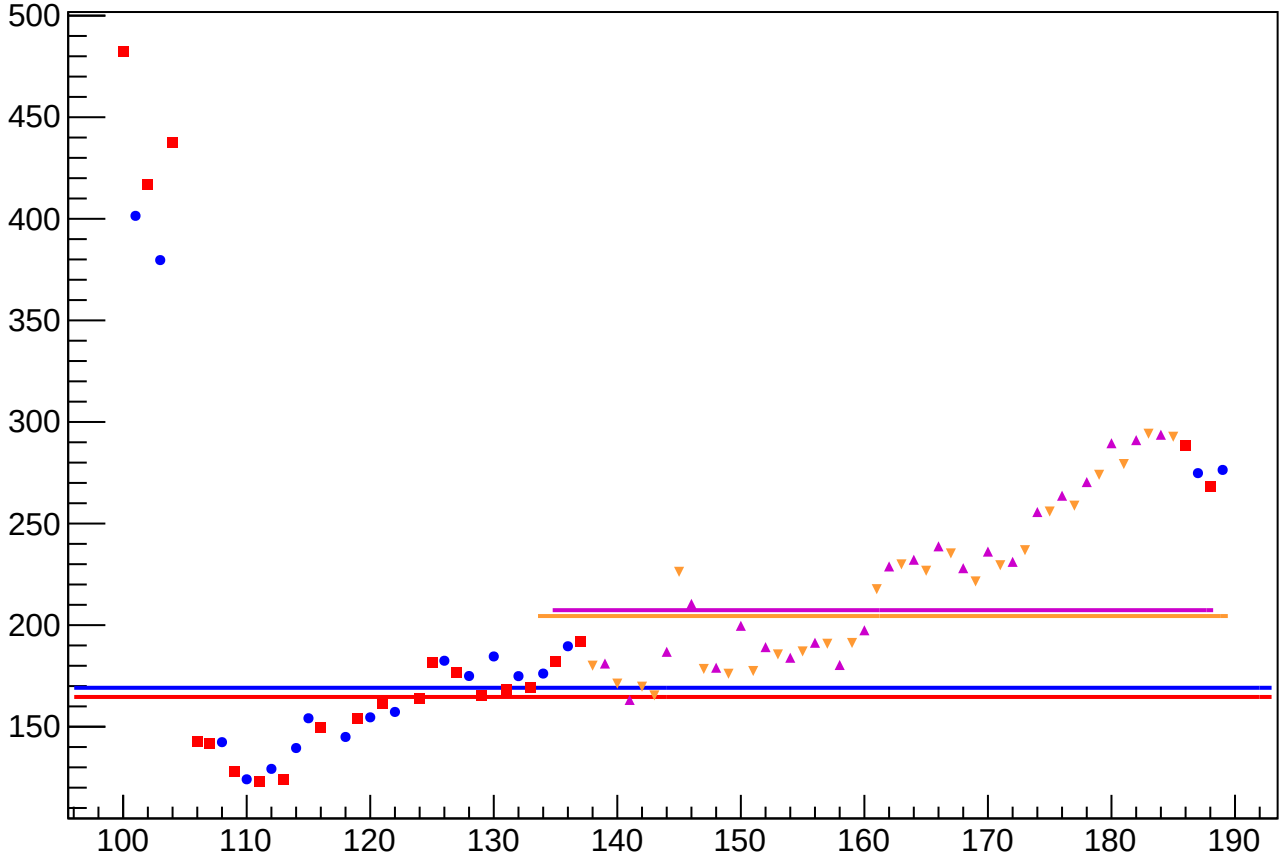
Left In: 160117.460+/-0.049 χ^2/NDF:66553191753.2/22

+ sign 158822.570+/-0.038 χ^2/NDF: 81904661181.

All: 158618.174+/-0.027 χ^2/NDF: 15764069

- sign 158415.601+/-0.038 χ^2/NDF: 75678645304.1

yield_bpm1i02WS_rms vs Slug



Right In: 169.165+/-0.045 χ^2/NDF: 1295349.3/17

Left Out: 204.476+/-0.034 χ^2/NDF:1073199.0/24

Right Out: 164.646+/-0.042 χ^2/NDF: 1717192.4/20

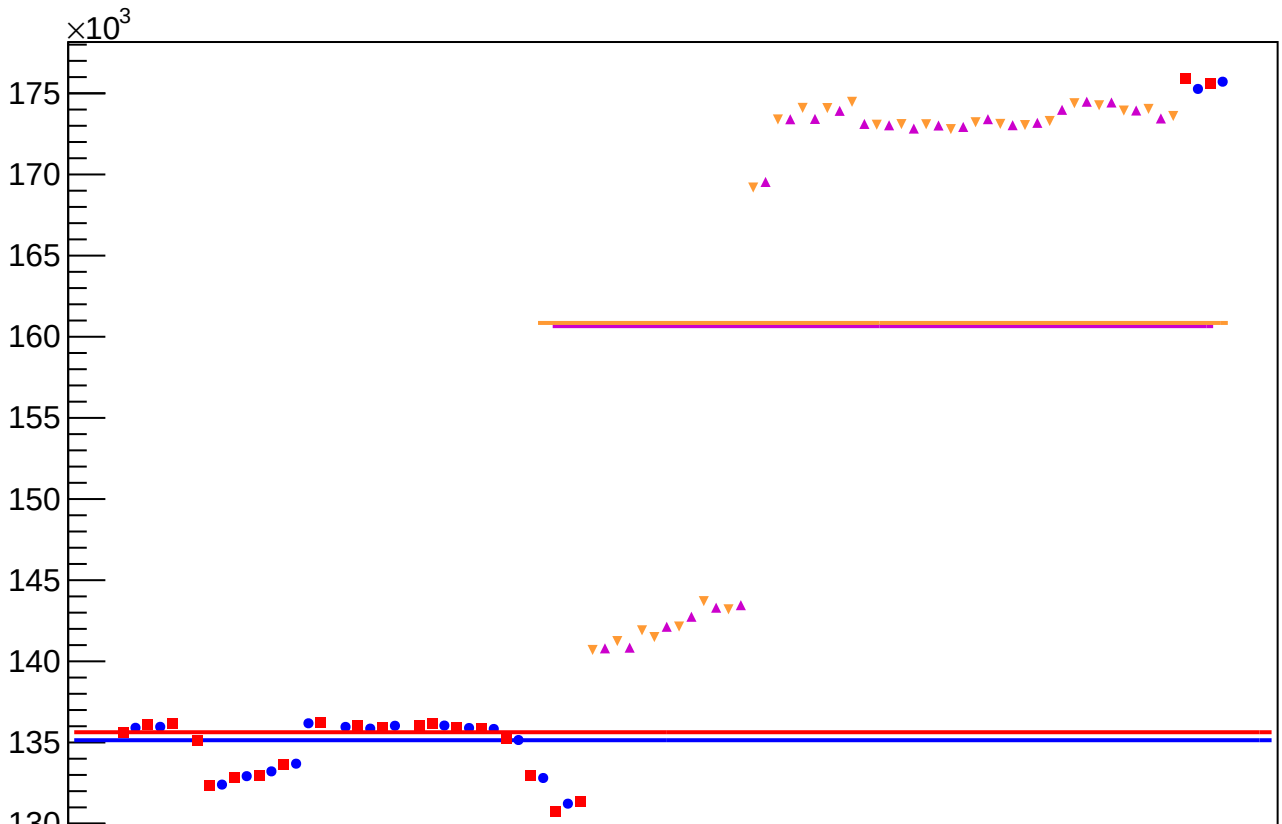
Left In: 207.368+/-0.035 χ^2/NDF:956644.0/22

+ sign 191.954+/-0.027 χ^2/NDF: 2762284.6/42

All: 190.871+/-0.019 χ^2/NDF: 6054596.6/86

- sign 189.797+/-0.027 χ^2/NDF: 3289088.4/43

yield_bpm1i04WS_mean vs Slug



Right In: 135139.060+/-0.050 χ^2/NDF: 14947115653.1/17

Left Out: 160851.077+/-0.048 χ^2/NDF:99202825178.3/24

Right Out: 135631.811+/-0.047 χ^2/NDF: 27093761503.7/20

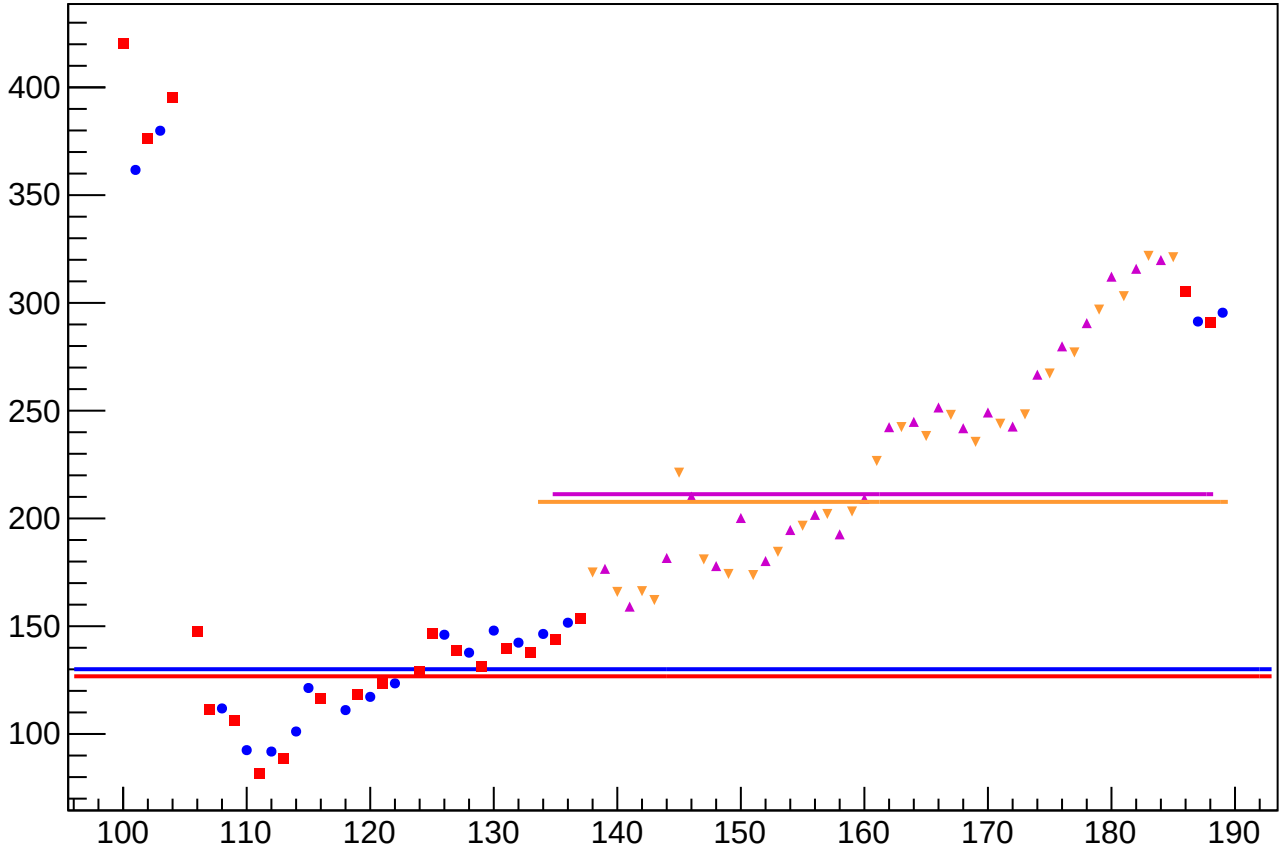
Left In: 160654.189+/-0.051 χ^2/NDF:90149721861.0/22

+ sign 148479.949+/-0.035 χ^2/NDF: 24977081965

All: 147860.861+/-0.025 χ^2/NDF: 4985463

- sign 147255.630+/-0.034 χ^2/NDF: 248152664119

yield_bpm1i04WS_rms vs Slug



Right In: 130.055+/-0.036 χ^2/NDF: 1932782.7/17

Left Out: 207.689+/-0.034 χ^2/NDF:1500711.5/24

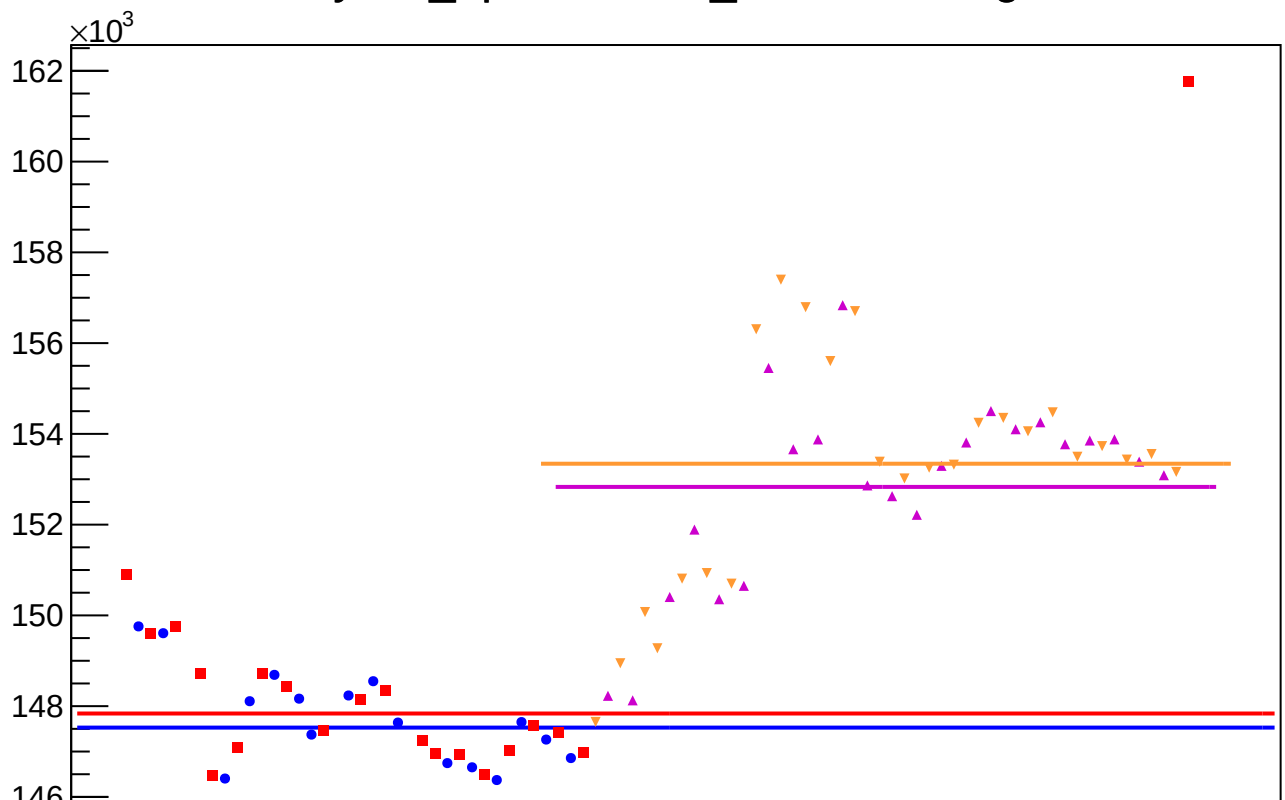
Right Out: 126.763+/-0.033 χ^2/NDF: 2549288.4/20

Left In: 211.254+/-0.036 χ^2/NDF:1305730.5/22

+ sign 170.336+/-0.025 χ^2/NDF: 5906270.4/42

All: 168.150+/-0.017 χ^2/NDF: 12761991.1/86

- sign 166.012+/-0.024 χ^2/NDF: 6840183.6/43



Right In: 147527.473+/-0.061 χ^2/NDF: 239900868.5/17

Left Out: 153342.472+/-0.051 χ^2/NDF:2978670616.9/24

Right Out: 147838.048+/-0.057 χ^2/NDF: 1158226043.4/20

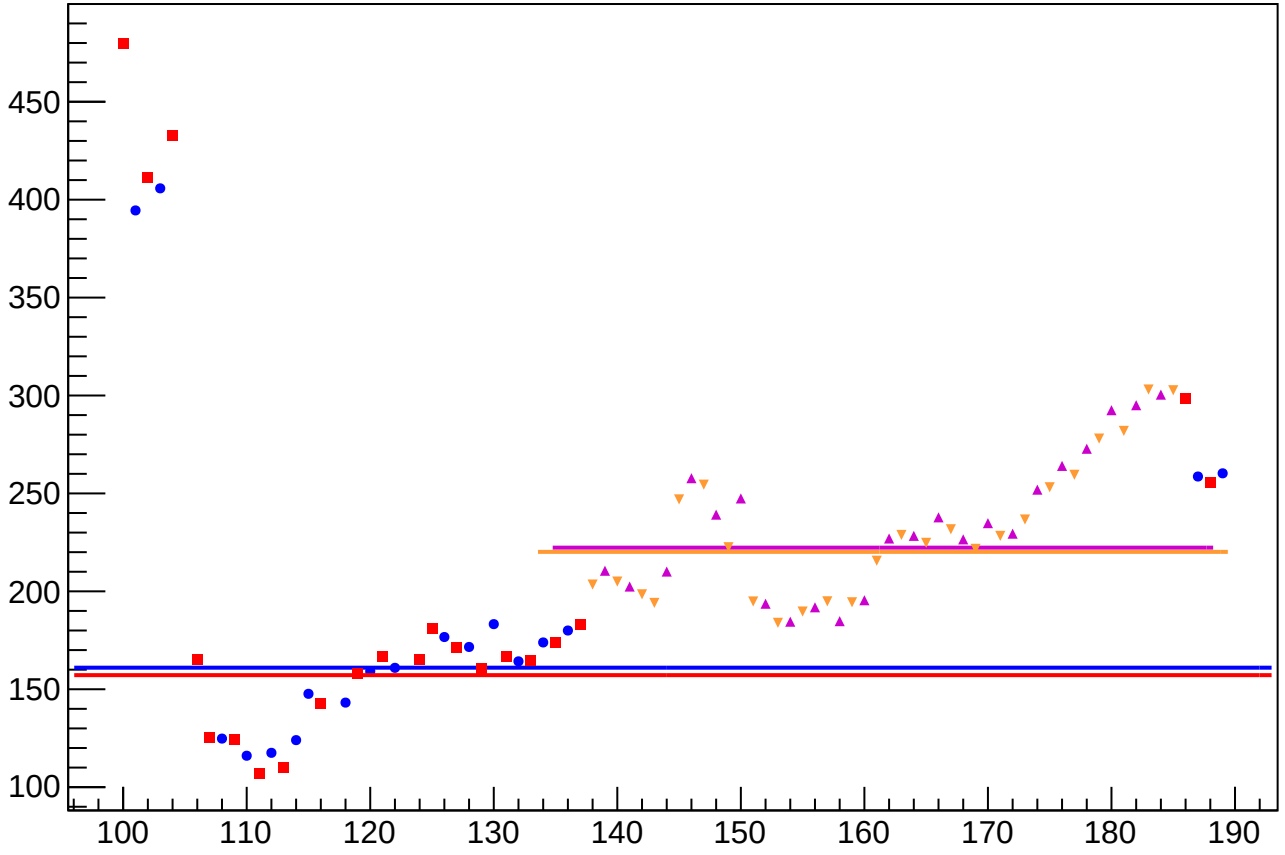
Left In: 152831.399+/-0.053 χ^2/NDF:1914395326.4/22

+ sign 150971.278+/-0.039 χ^2/NDF: 8561596262.1

All: 150747.964+/-0.028 χ^2/NDF: 15823734

- sign 150528.485+/-0.039 χ^2/NDF: 7197439371.2/

yield_bpm1i06WS_rms vs Slug



Right In: 161.014+/-0.043 χ^2/NDF: 1481272.3/17

Left Out: 220.156+/-0.036 χ^2/NDF:685590.6/24

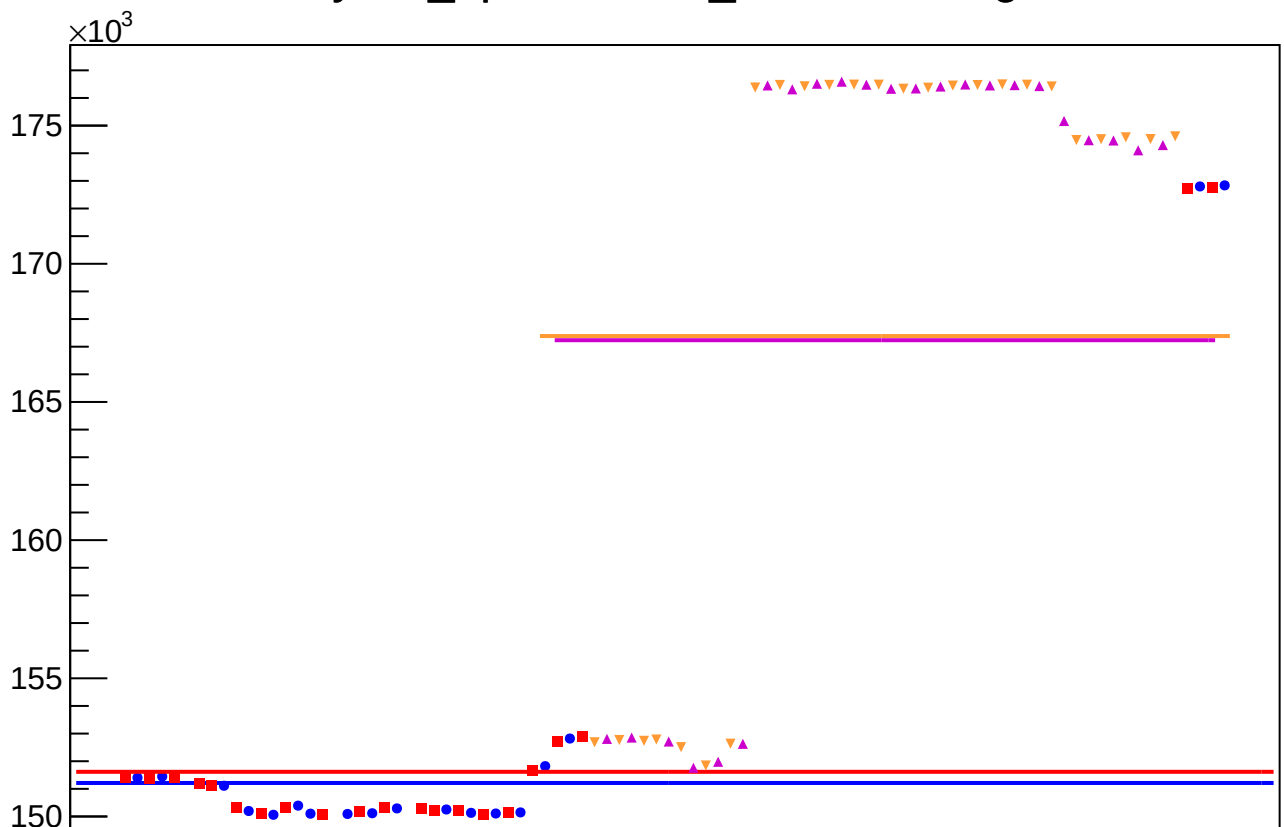
Right Out: 157.204+/-0.040 χ^2/NDF: 1948077.7/20

Left In: 222.304+/-0.037 χ^2/NDF:697605.9/22

+ sign 196.039+/-0.028 χ^2/NDF: 3272238.8/42

All: 194.144+/-0.019 χ^2/NDF: 7329455.4/86

- sign 192.280+/-0.027 χ^2/NDF: 4047891.7/43



Right In: 151212.768+/-0.054 χ^2/NDF: 5044604678.4/17

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 151616.751+/-0.050 χ^2/NDF: 9203628484.8/20

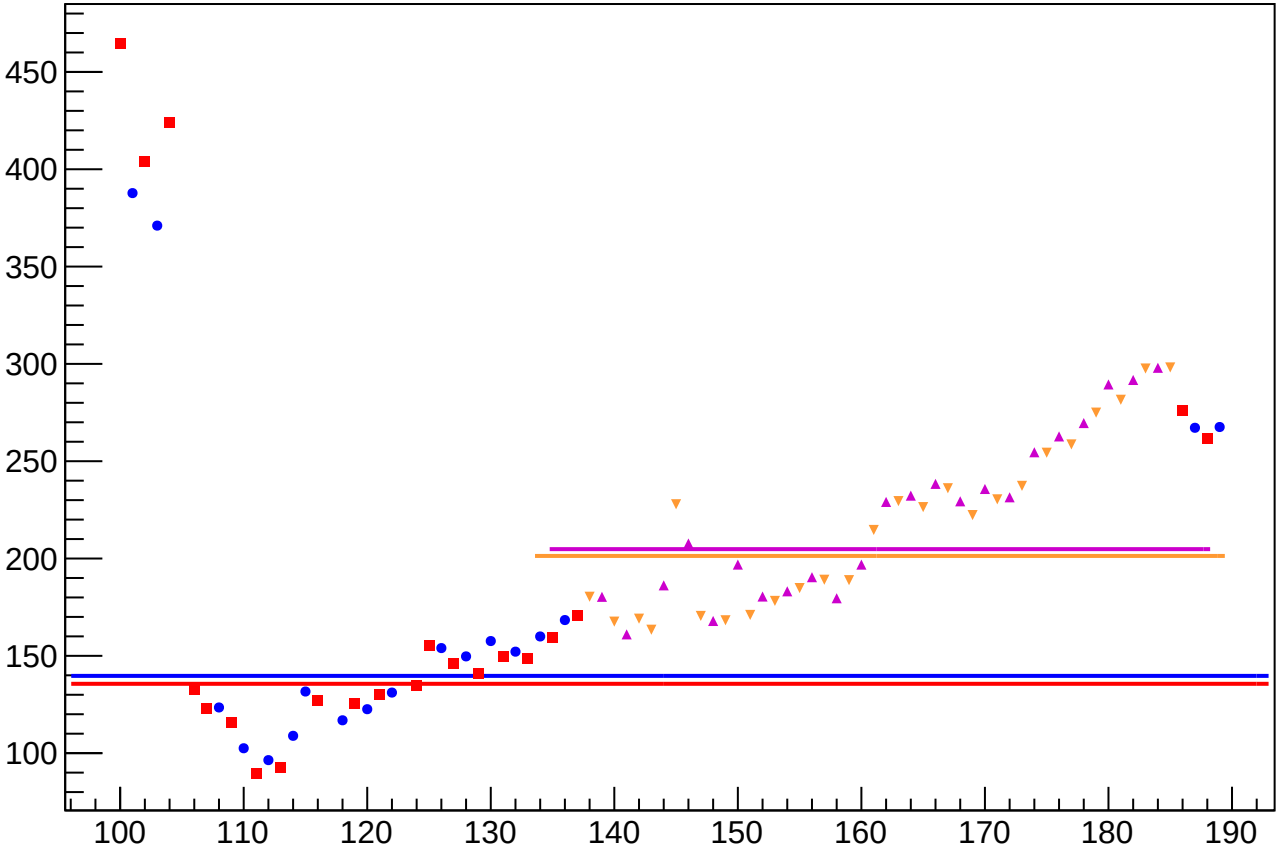
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 160432.643+/-0.035 χ^2/NDF: 116135373089

All: 159993.901+/-0.025 χ^2/NDF: 2308904

- sign 159565.540+/-0.035 χ^2/NDF: 114449489382

yield_bpm2i01WS_rms vs Slug



Right In: 139.704+/-0.038 χ^2/NDF: 1752274.6/17

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

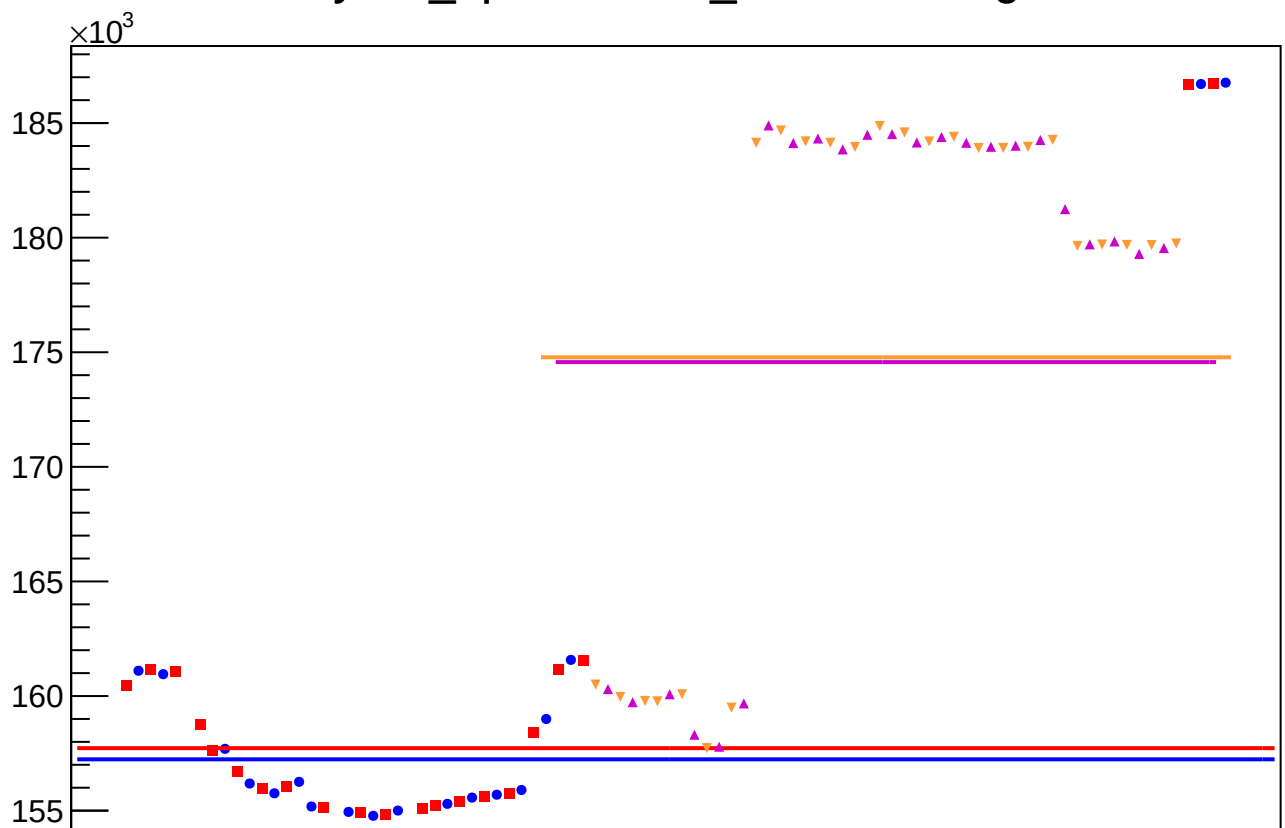
Right Out: 135.630+/-0.035 χ^2/NDF: 2299519.4/20

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

\+ sign 174.835+/-0.025 χ^2/NDF: 4478080.7/42

All: 172.818+/-0.018 χ^2/NDF: 9812471.1/86

\- sign 170.849+/-0.025 χ^2/NDF: 5321472.4/43



Right In: 157238.285+/-0.056 χ^2/NDF: 8415968874.5/17

Left Out: 174780.651+/-0.048 χ^2/NDF:58132787948.0/24

Right Out: 157725.834+/-0.052 χ^2/NDF: 14666831205.5/20

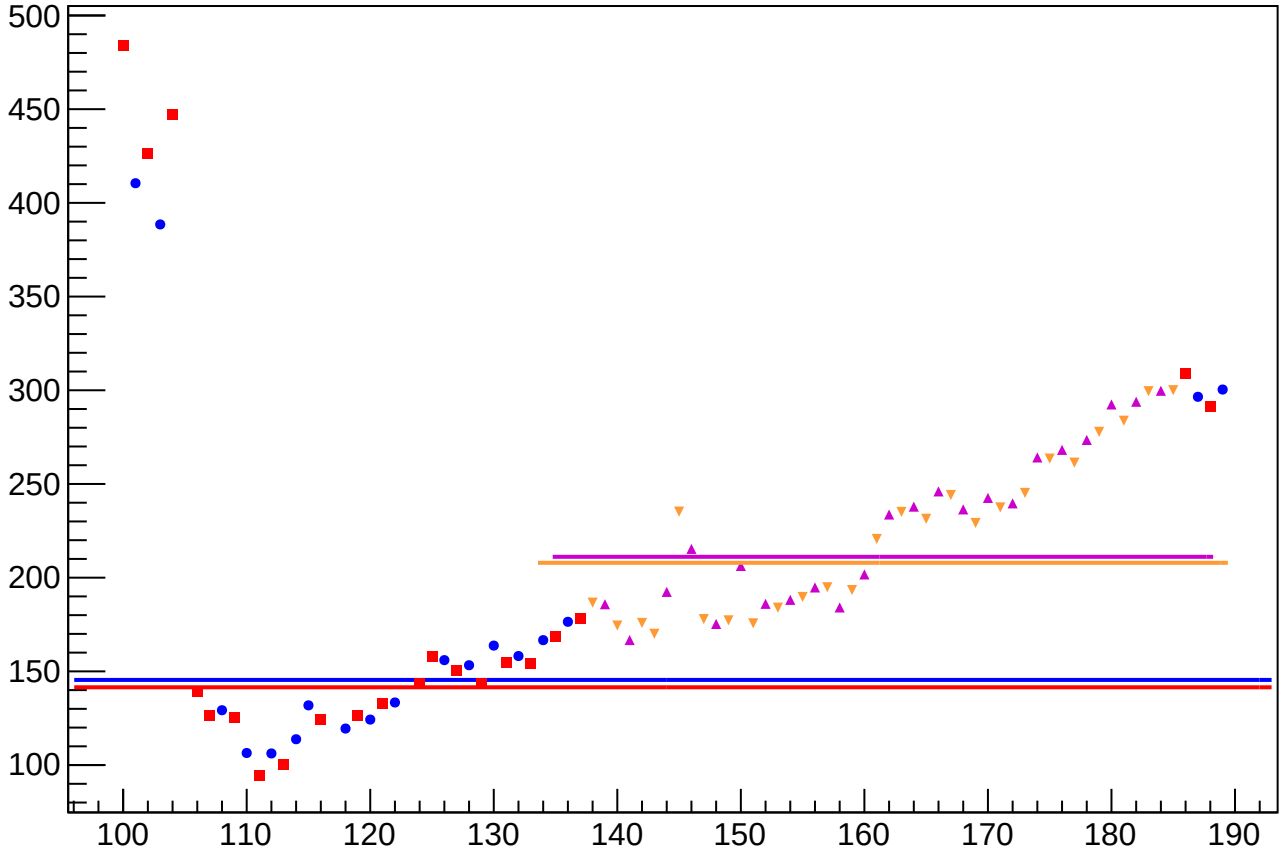
Left In: 174570.001+/-0.050 χ^2/NDF:54757801795.4/22

+ sign 167328.986+/-0.037 χ^2/NDF: 12280118147

All: 166870.834+/-0.026 χ^2/NDF: 24670302

- sign 166422.478+/-0.036 χ^2/NDF: 123591136616

yield_bpm2i02WS_rms vs Slug



Right In: 145.434+/-0.040 χ^2/NDF: 1779778.3/17

Left Out: 207.940+/-0.034 χ^2/NDF:1132127.7/24

Right Out: 141.503+/-0.037 χ^2/NDF: 2354955.3/20

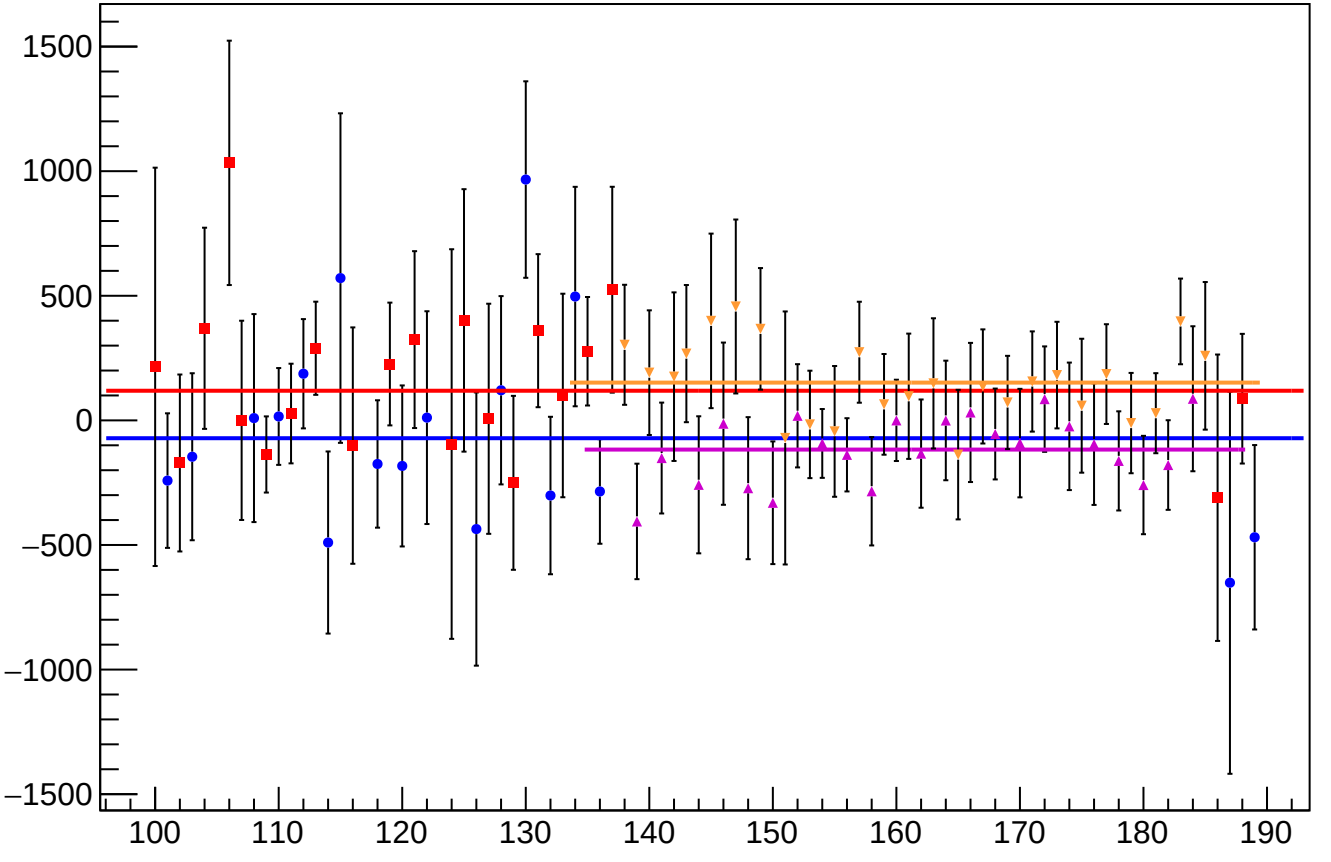
Left In: 211.133+/-0.036 χ^2/NDF:993720.4/22

+ sign 181.388+/-0.026 χ^2/NDF: 4340244.5/42

All: 179.400+/-0.018 χ^2/NDF: 9551828.3/86

- sign 177.453+/-0.026 χ^2/NDF: 5199874.0/43

asym_bcm_target_mean vs Slug



Right In: -71.565+/-74.646 χ^2/NDF: 17.2/17

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: 118.934+/-65.812 χ^2/NDF: 13.4/20

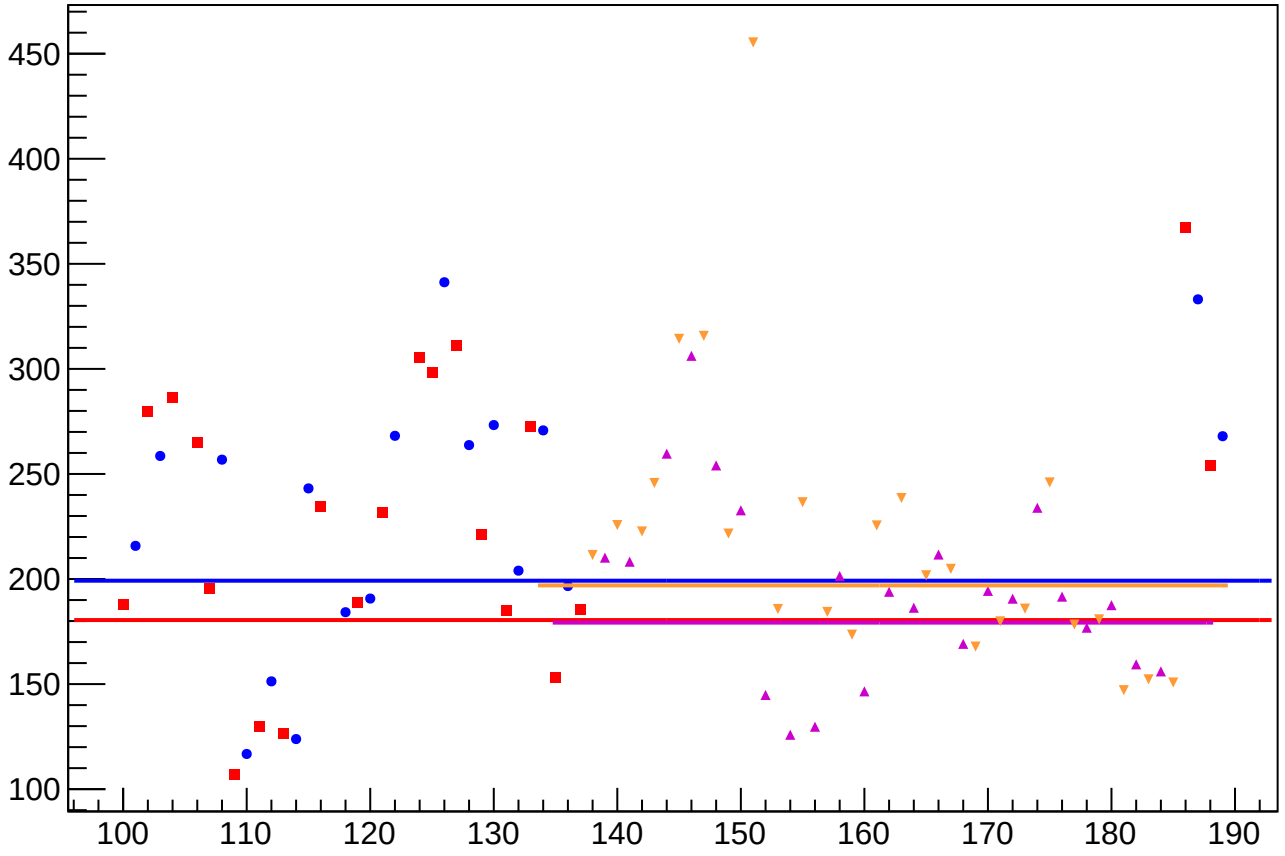
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

+ sign 89.365+/-39.419 χ^2/NDF: 33.3/42

All: 17.074+/-26.762 χ^2/NDF: 69.4/86

- sign -44.740+/-36.450 χ^2/NDF: 29.8/43

asym_bcm_target_rms vs Slug



Right In: 199.205+/-0.053 χ^2/NDF: 1165209.1/17

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 180.472+/-0.047 χ^2/NDF: 2029367.0/20

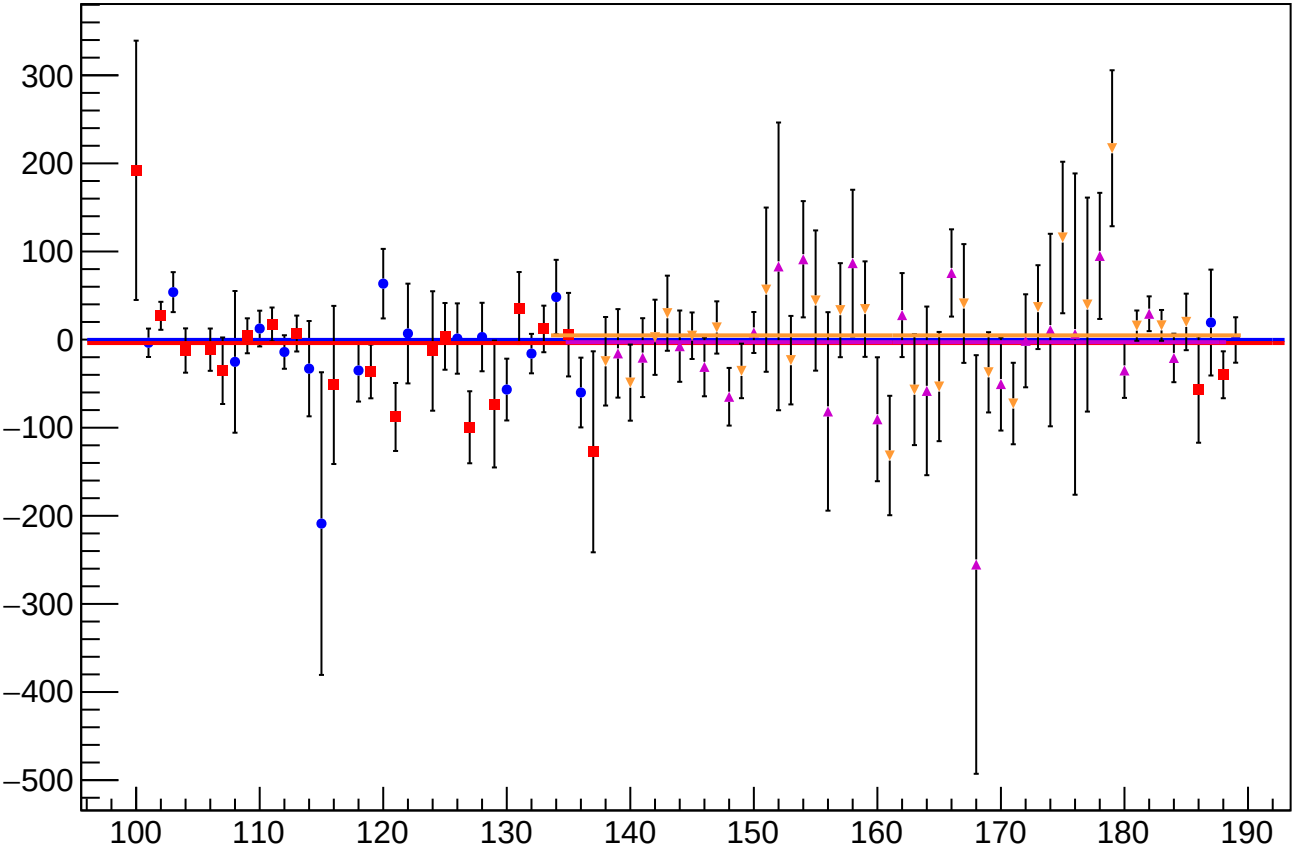
Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

+ sign 197.597+/-0.028 χ^2/NDF: 2975803.0/42

All: 187.911+/-0.019 χ^2/NDF: 6885680.1/86

- sign 179.629+/-0.026 χ^2/NDF: 3685863.6/43

asym_bcm_an_diff_mean vs Slug



Right In: -0.338+/-7.011 χ^2/NDF: 19.0/17

Left Out: 4.803+/-7.601 χ^2/NDF:24.3/24

Right Out: -3.926+/-6.520 χ^2/NDF: 25.8/20

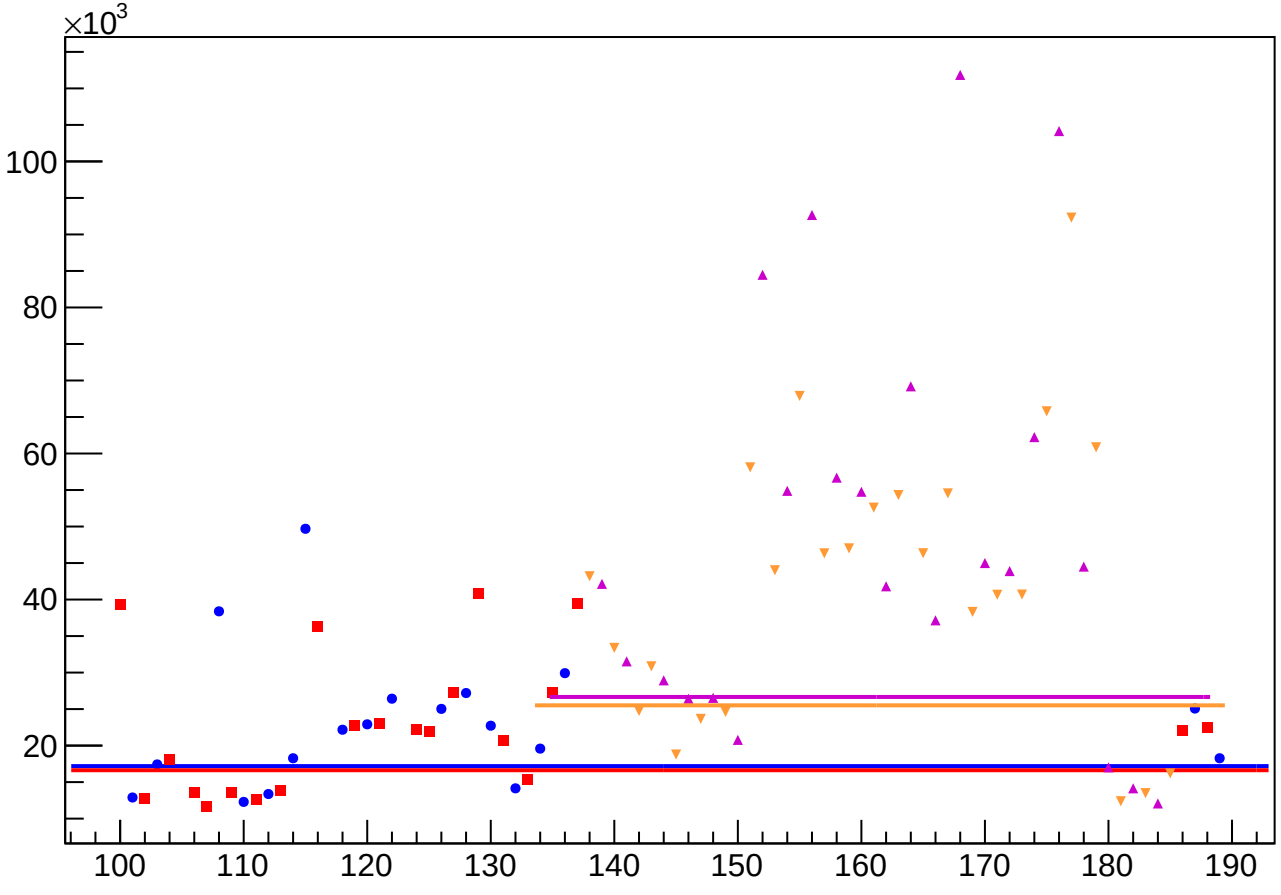
Left In: -2.918+/-8.840 χ^2/NDF:21.5/22

+ sign 2.025+/-5.154 χ^2/NDF: 43.6/42

All: -0.722+/-3.677 χ^2/NDF: 91.5/86

- sign -3.571+/-5.247 χ^2/NDF: 47.3/43

asym_bcm_an_diff_rms vs Slug



Right In: 17191.317+/-4.958 χ^2/NDF: 1233576.0/17

Left Out: 25512.643+/-5.375 χ^2/NDF:7742585.8/24

Right Out: 16626.710+/-4.610 χ^2/NDF: 1372226.0/20

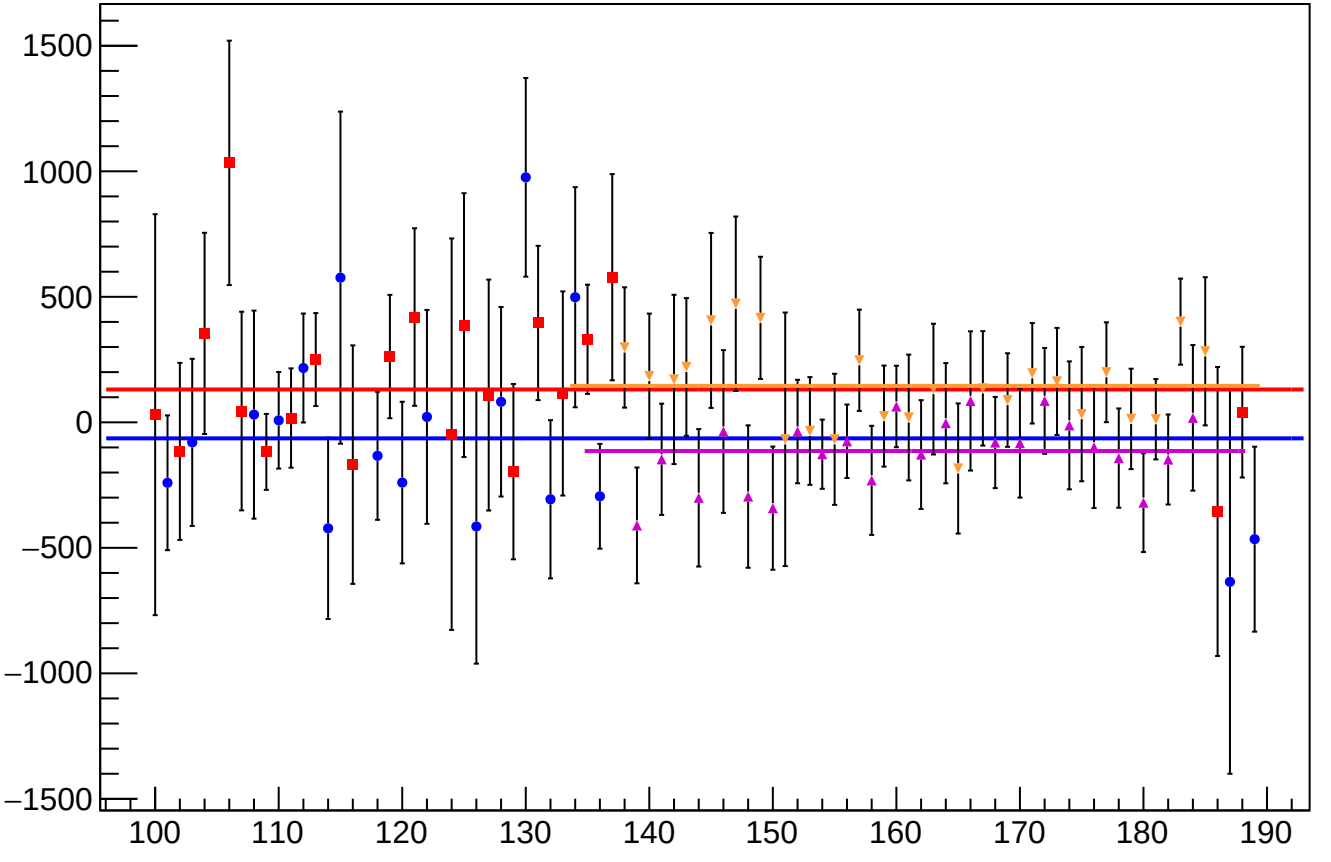
Left In: 26660.853+/-6.251 χ^2/NDF:5883195.1/22

+ sign 21016.804+/-3.644 χ^2/NDF: 10271213.1/42

All: 20597.102+/-2.600 χ^2/NDF: 19222498.6

- sign 20162.016+/-3.710 χ^2/NDF: 8924271.6/43

asym_bcm_an_ds_mean vs Slug



Right In: -63.877+/-74.227 χ^2/NDF: 17.3/17

Left Out: 145.172+/-46.225 χ^2/NDF:11.2/24

Right Out: 130.849+/-65.438 χ^2/NDF: 13.9/20

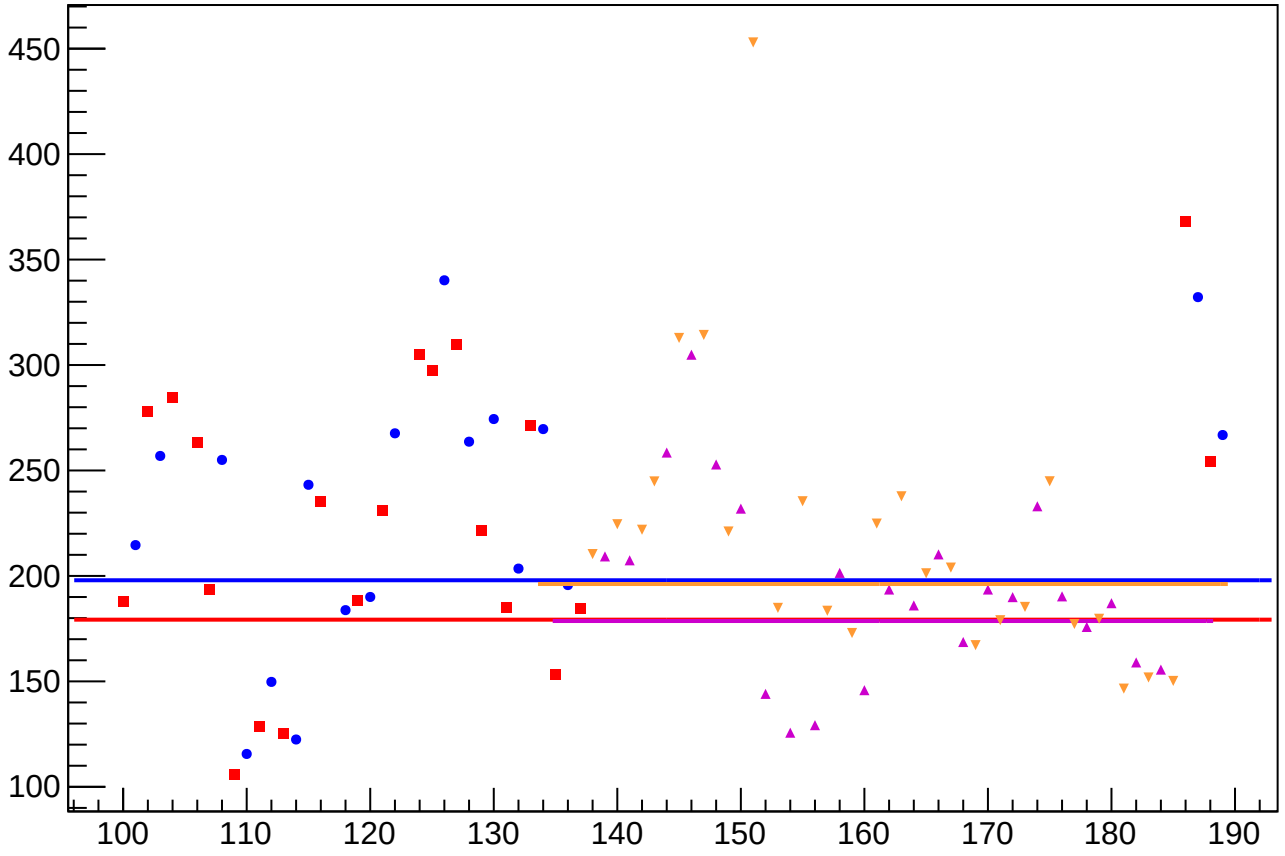
Left In: -114.400+/-43.619 χ^2/NDF:8.4/22

+ sign 86.754+/-39.239 χ^2/NDF: 34.2/42

All: 19.009+/-26.644 χ^2/NDF: 71.7/86

- sign -38.954+/-36.295 χ^2/NDF: 32.0/43

asym_bcm_an_ds_rms vs Slug



Right In: 197.945+/-0.052 χ^2/NDF: 1187599.0/17

Left Out: 196.166+/-0.033 χ^2/NDF:1806871.5/24

Right Out: 179.263+/-0.046 χ^2/NDF: 2061034.5/20

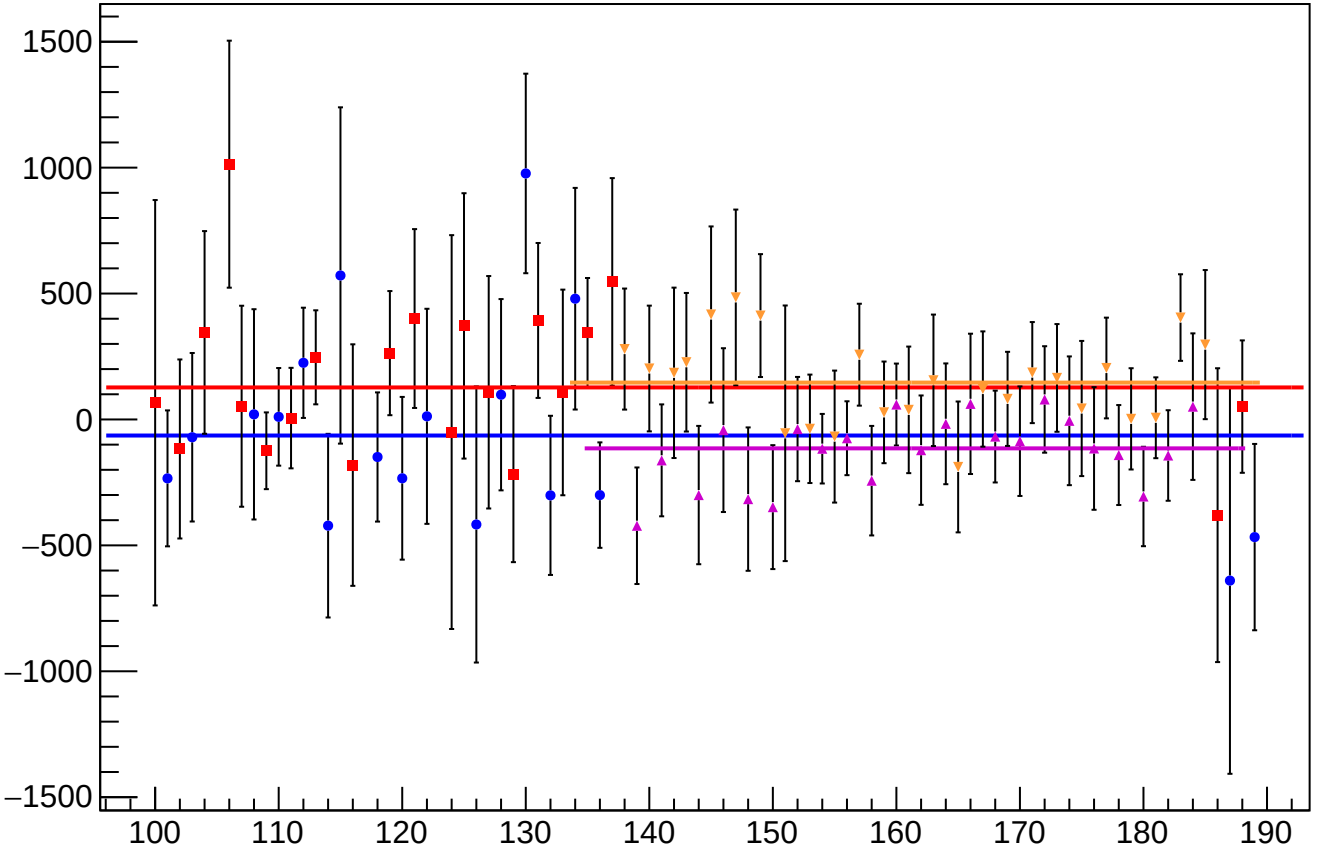
Left In: 178.621+/-0.031 χ^2/NDF:1651873.8/22

+ sign 196.663+/-0.028 χ^2/NDF: 2995298.4/42

All: 187.046+/-0.019 χ^2/NDF: 6931242.9/86

- sign 178.818+/-0.026 χ^2/NDF: 3713041.9/43

asym_bcm_an_ds3_mean vs Slug



Right In: -63.816+/-74.634 χ^2/NDF: 17.2/17

Left Out: 146.417+/-46.379 χ^2/NDF:11.4/24

Right Out: 127.148+/-65.827 χ^2/NDF: 13.8/20

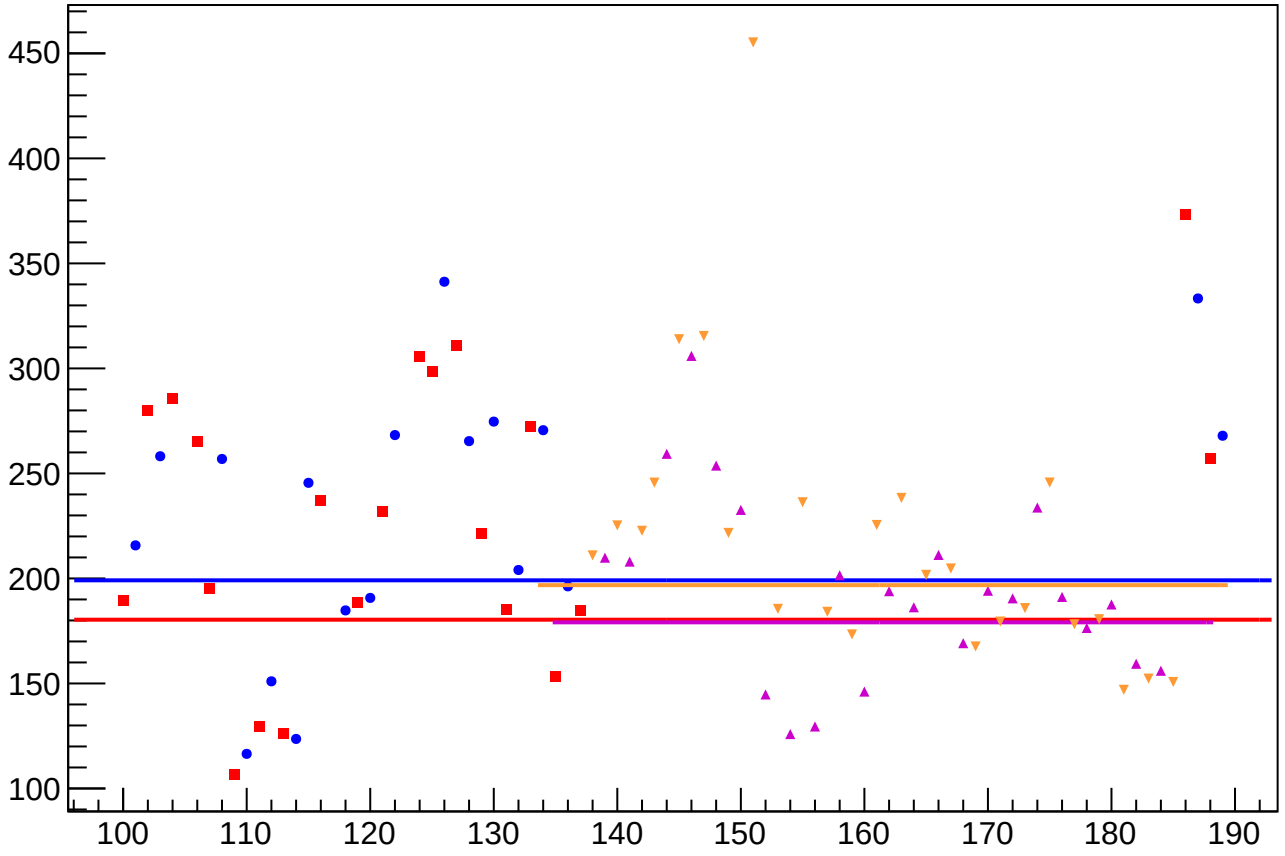
Left In: -114.807+/-43.740 χ^2/NDF:8.4/22

+ sign 87.850+/-39.392 χ^2/NDF: 34.4/42

All: 18.563+/-26.746 χ^2/NDF: 71.6/86

- sign -40.698+/-36.431 χ^2/NDF: 31.5/43

asym_bcm_an_ds3_rms vs Slug



Right In: 199.105+/-0.053 χ^2/NDF: 1175779.6/17

Left Out: 196.805+/-0.033 χ^2/NDF:1808608.7/24

Right Out: 180.357+/-0.047 χ^2/NDF: 2056498.2/20

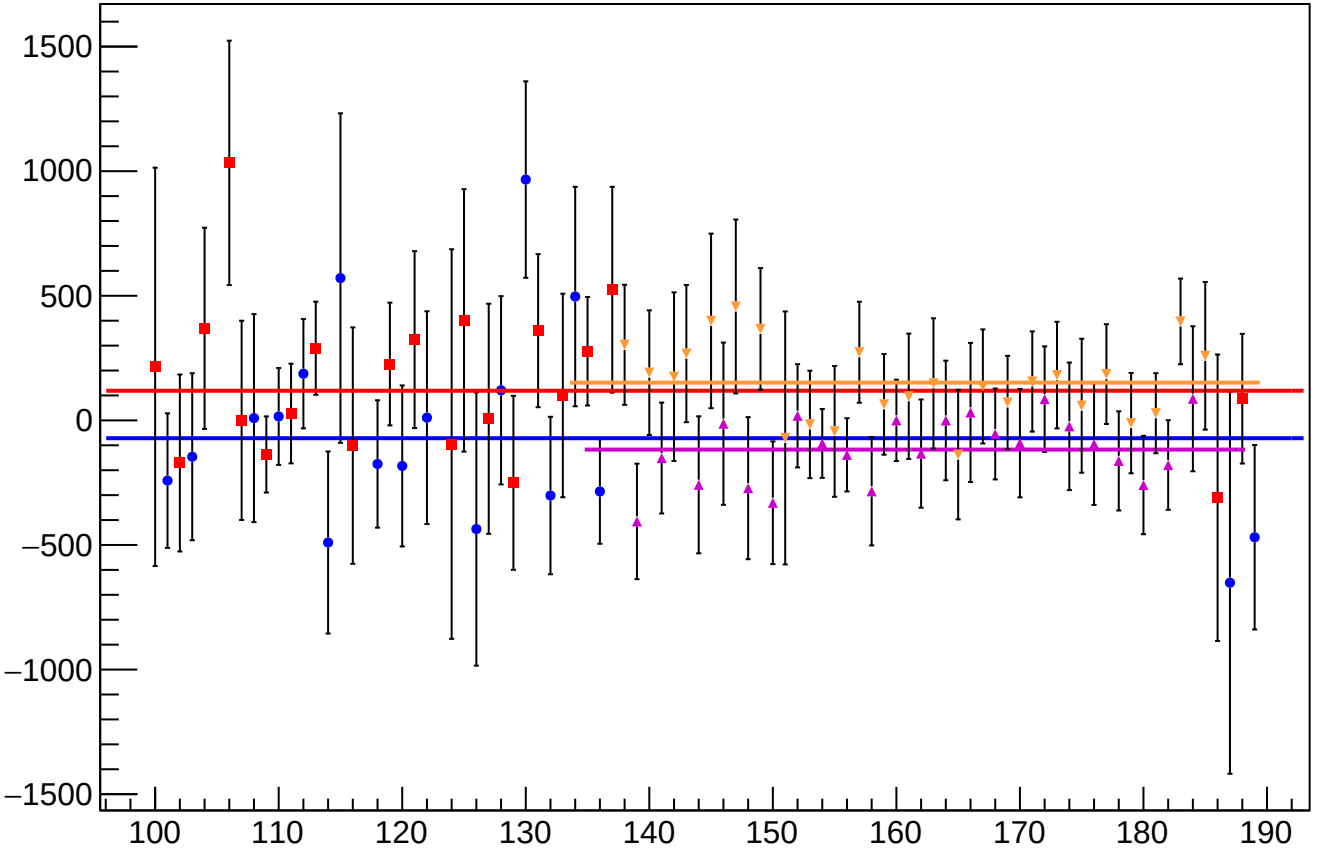
Left In: 179.101+/-0.031 χ^2/NDF:1655866.1/22

+ sign 197.446+/-0.028 χ^2/NDF: 2985758.5/42

All: 187.765+/-0.019 χ^2/NDF: 6922720.8/86

- sign 179.486+/-0.026 χ^2/NDF: 3712869.5/43

asym_bcm_an_us_mean vs Slug



Right In: -71.565+/-74.646 χ^2/NDF: 17.2/17

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: 118.934+/-65.812 χ^2/NDF: 13.4/20

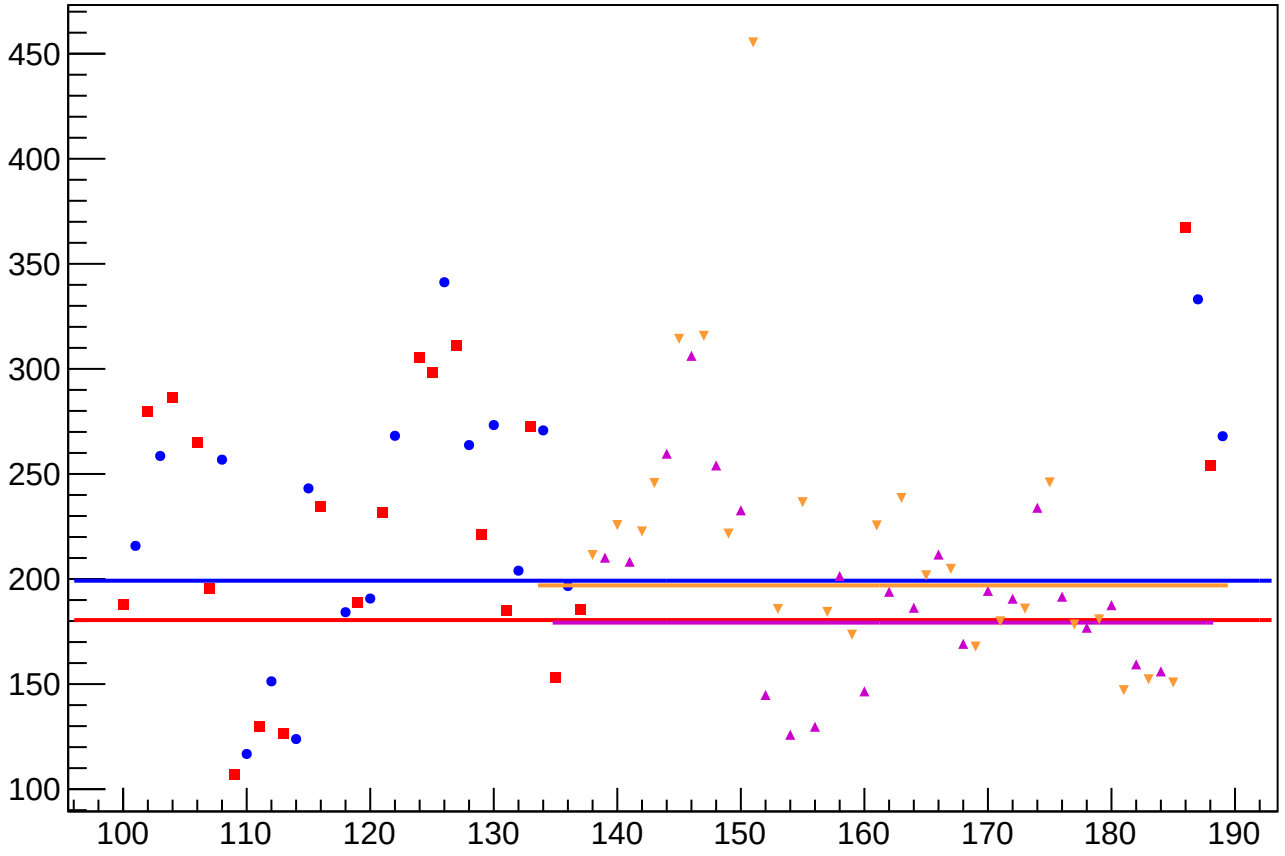
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

+ sign 89.365+/-39.419 χ^2/NDF: 33.3/42

All: 17.074+/-26.762 χ^2/NDF: 69.4/86

- sign -44.740+/-36.450 χ^2/NDF: 29.8/43

asym_bcm_an_us_rms vs Slug



Right In: 199.205+/-0.053 χ^2/NDF: 1165209.1/17

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 180.472+/-0.047 χ^2/NDF: 2029367.0/20

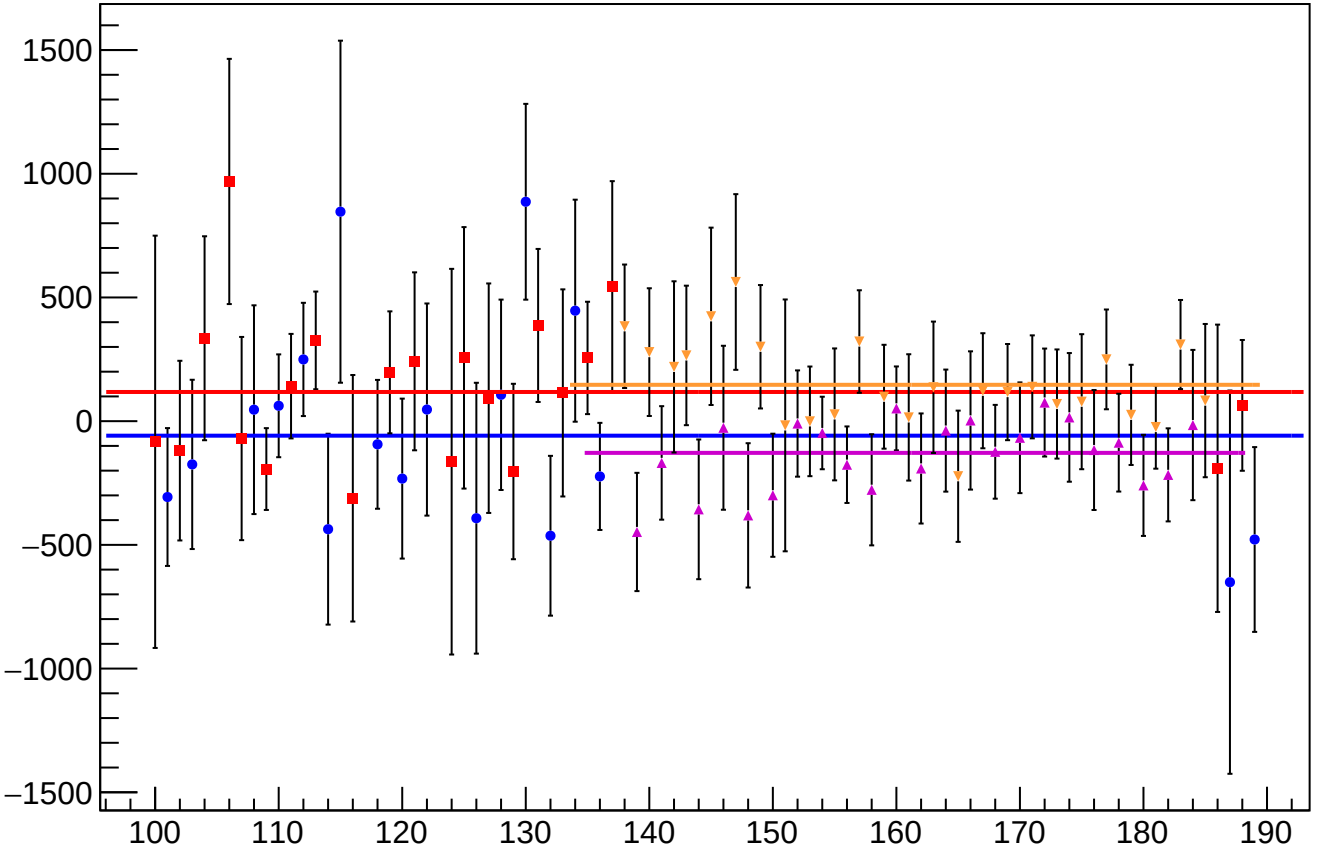
Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

+ sign 197.597+/-0.028 χ^2/NDF: 2975803.0/42

All: 187.911+/-0.019 χ^2/NDF: 6885680.1/86

- sign 179.629+/-0.026 χ^2/NDF: 3685863.6/43

asym_bcm_dg_us_mean vs Slug



Right In: -58.666+/-76.904 χ^2/NDF: 17.7/17

Left Out: 146.973+/-47.709 χ^2/NDF:10.2/24

Right Out: 117.970+/-68.369 χ^2/NDF: 13.0/20

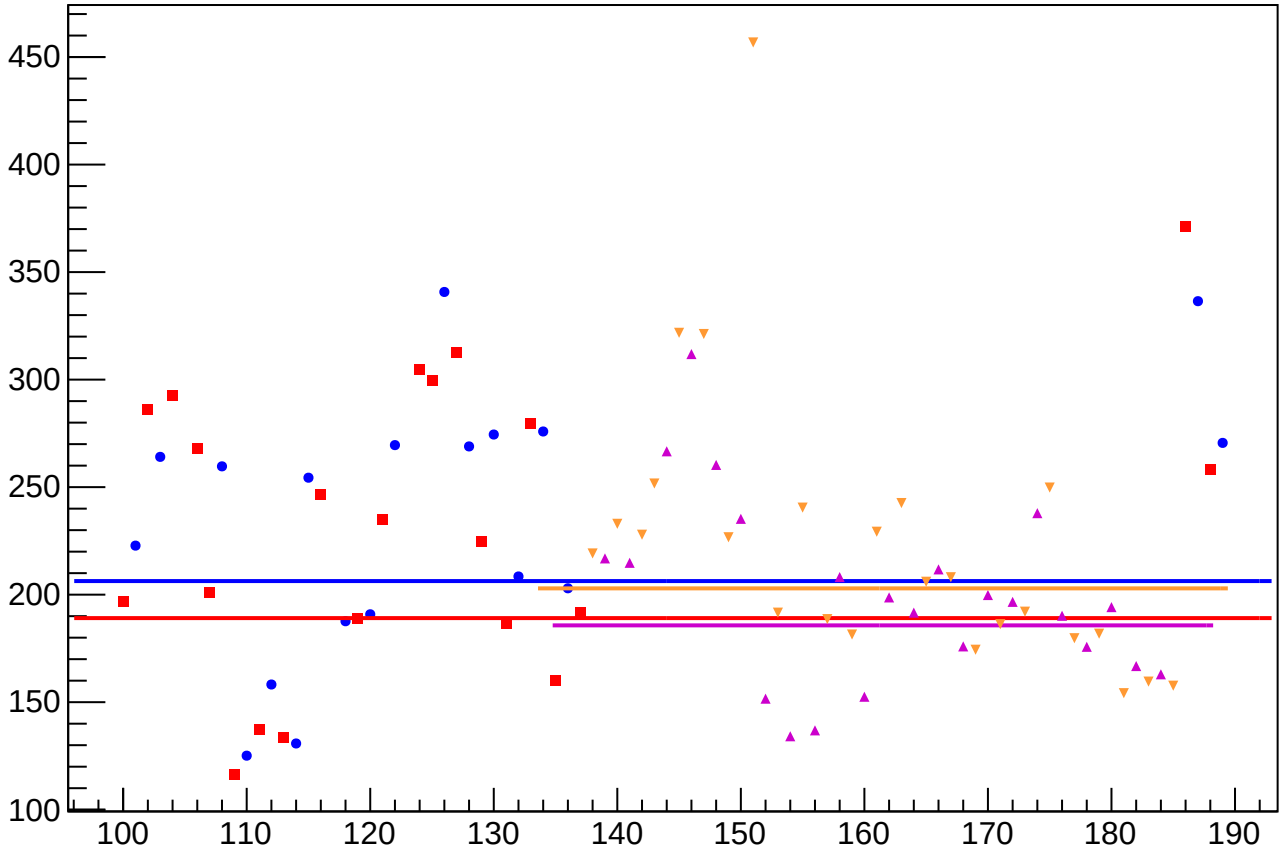
Left In: -128.159+/-45.200 χ^2/NDF:8.6/22

+ sign 89.824+/-40.541 χ^2/NDF: 33.0/42

All: 13.081+/-27.610 χ^2/NDF: 70.3/86

- sign -53.300+/-37.705 χ^2/NDF: 30.6/43

asym_bcm_dg_us_rms vs Slug



Right In: 206.319+/-0.054 χ^2/NDF: 1031688.9/17

Left Out: 202.920+/-0.034 χ^2/NDF:1700115.2/24

Right Out: 189.098+/-0.048 χ^2/NDF: 1798997.9/20

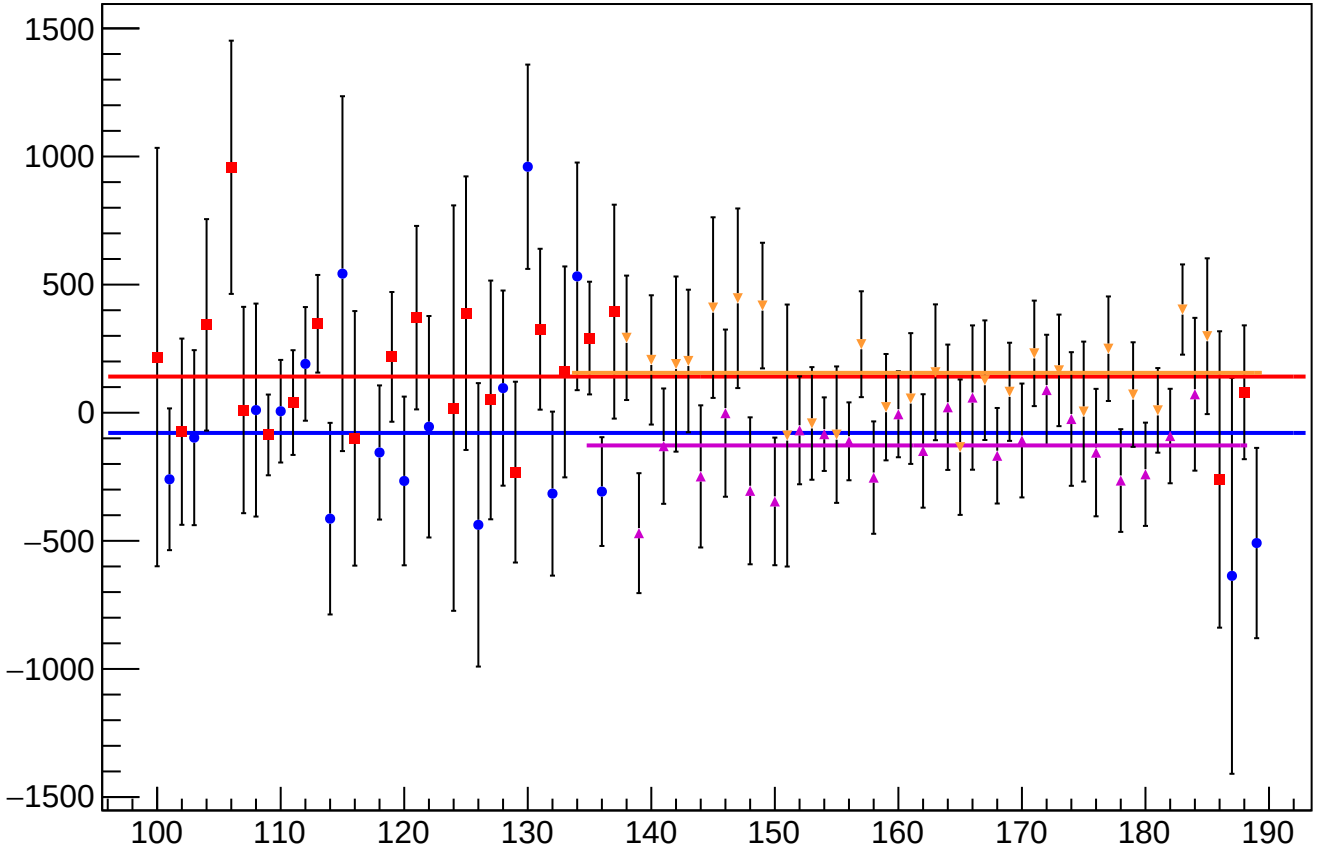
Left In: 185.716+/-0.032 χ^2/NDF:1489487.2/22

+ sign 203.865+/-0.029 χ^2/NDF: 2734625.7/42

All: 194.685+/-0.020 χ^2/NDF: 6217760.2/86

- sign 186.745+/-0.027 χ^2/NDF: 3291891.6/43

asym_bcm_dg_ds_mean vs Slug



Right In: -78.866+/-75.914 χ^2/NDF: 17.0/17

Left Out: 155.646+/-47.263 χ^2/NDF:10.7/24

Right Out: 141.104+/-67.069 χ^2/NDF: 10.8/20

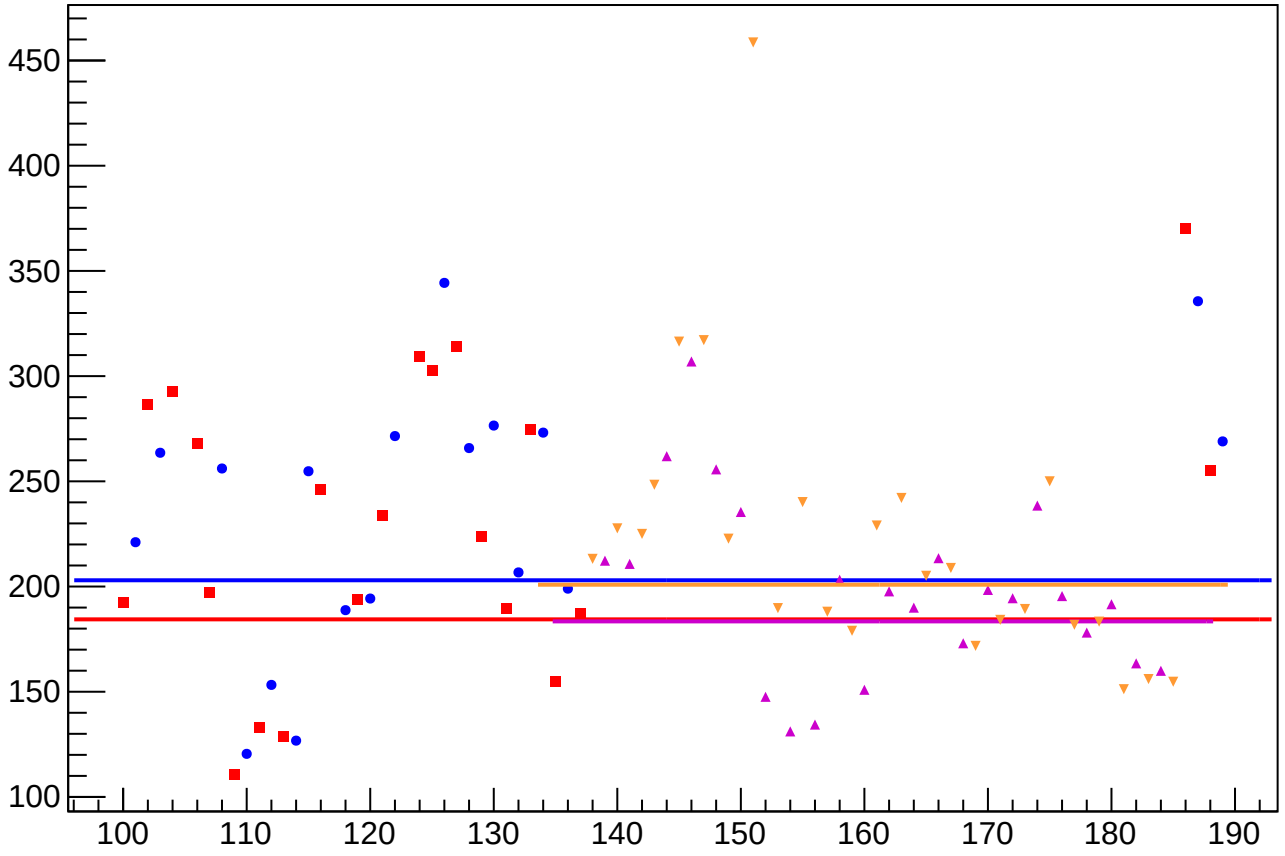
Left In: -127.660+/-44.698 χ^2/NDF:8.0/22

+ sign 90.138+/-40.123 χ^2/NDF: 34.6/42

All: 17.458+/-27.277 χ^2/NDF: 70.6/86

- sign -45.001+/-37.195 χ^2/NDF: 29.9/43

asym_bcm_dg_ds_rms vs Slug



Right In: 202.976+/-0.054 χ^2/NDF: 1122158.6/17

Left Out: 200.865+/-0.033 χ^2/NDF:1727404.3/24

Right Out: 184.401+/-0.047 χ^2/NDF: 1973394.7/20

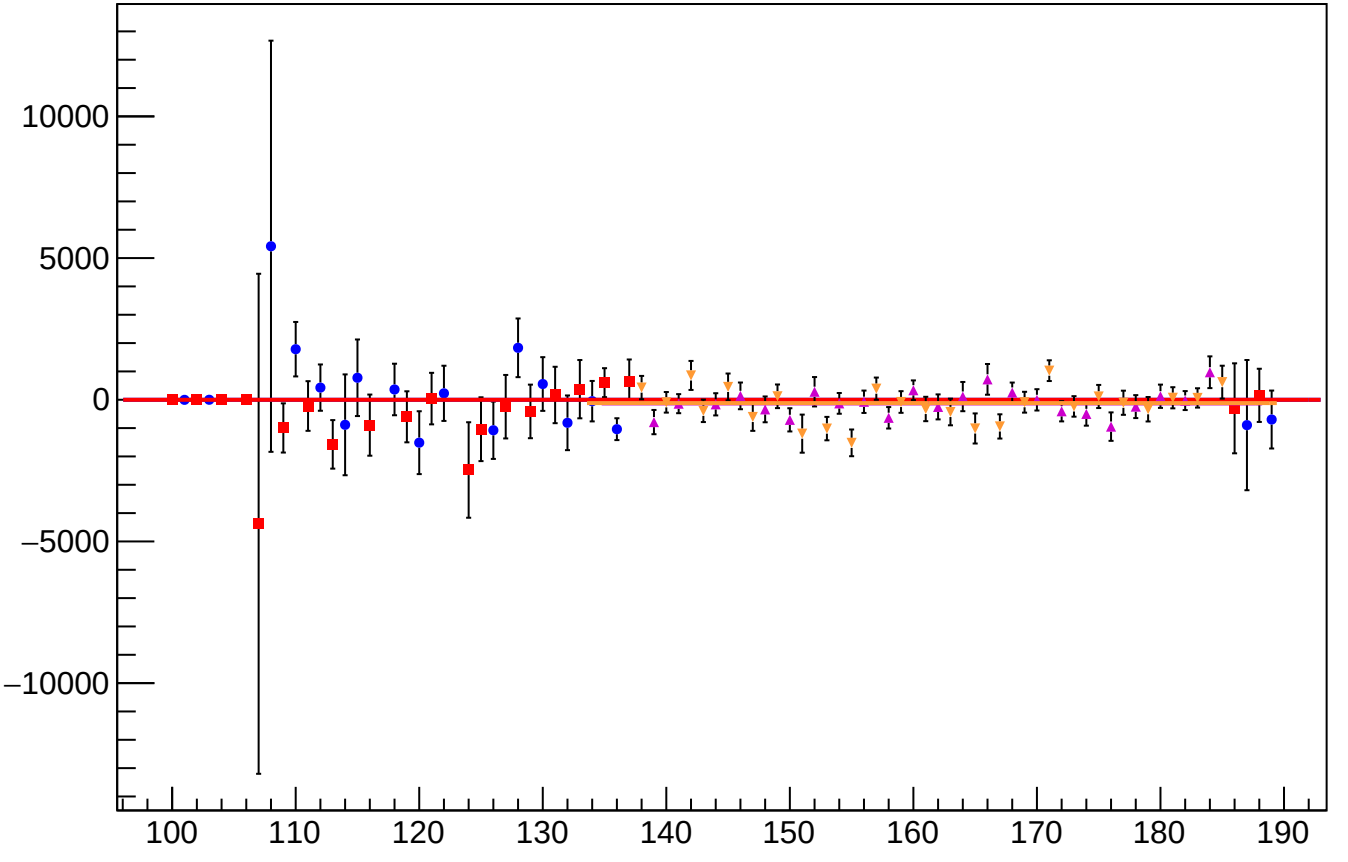
Left In: 183.433+/-0.032 χ^2/NDF:1530678.8/22

+ sign 201.455+/-0.028 χ^2/NDF: 2850678.3/42

All: 191.923+/-0.019 χ^2/NDF: 6564929.1/86

- sign 183.731+/-0.026 χ^2/NDF: 3504361.8/43

asym_cav4bQ_mean vs Slug



Right In: -1.243+/-2.171 χ^2/NDF: 20.5/17

Left Out: -117.658+/-84.207 χ^2/NDF:46.4/24

Right Out: -1.377+/-2.022 χ^2/NDF: 16.9/20

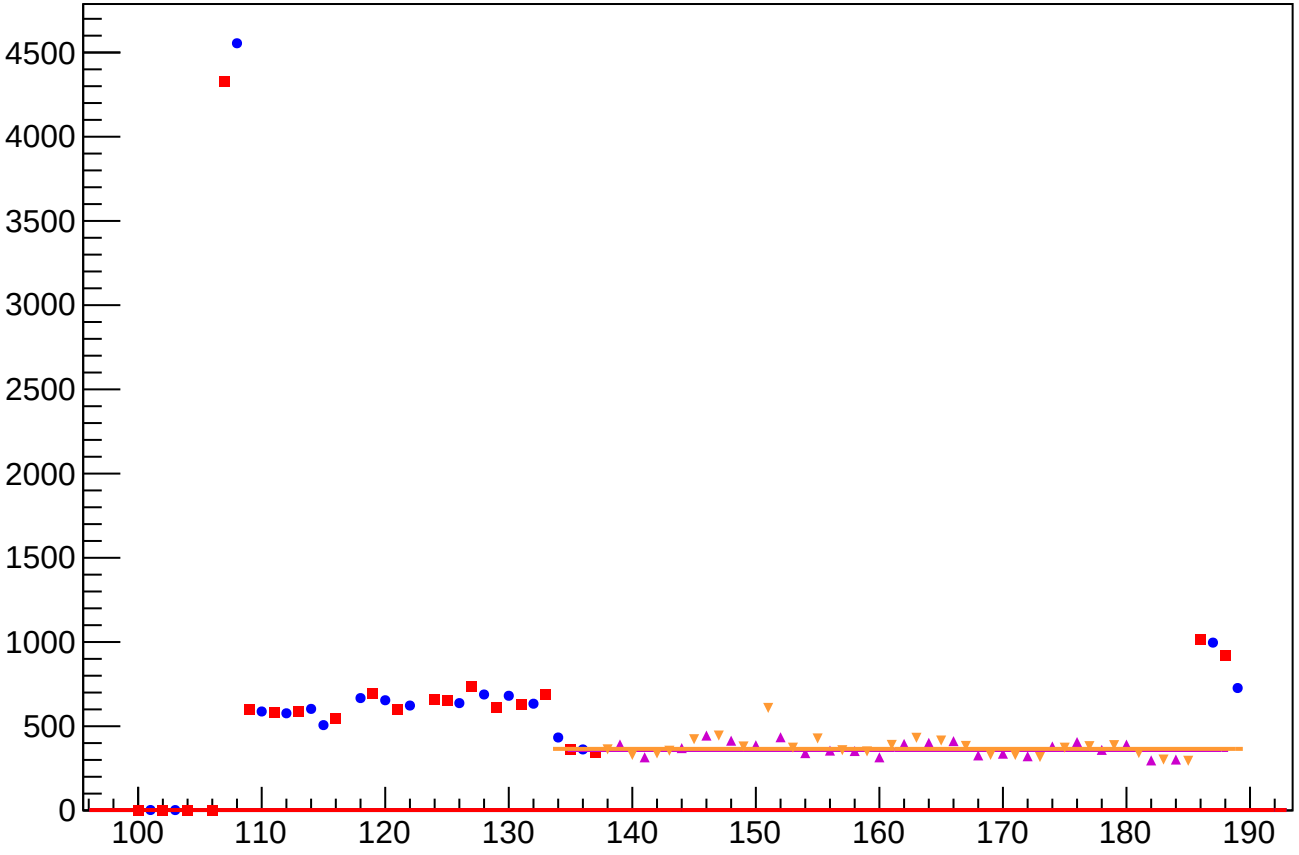
Left In: -129.738+/-85.075 χ^2/NDF:21.7/22

\+ sign -1.320+/-2.170 χ^2/NDF: 68.8/42

All: -1.389+/-1.479 χ^2/NDF: 109.7/86

\- sign -1.450+/-2.022 χ^2/NDF: 40.9/43

asym_cav4bQ_rms vs Slug



Right In: 2.481+/-0.002 χ^2/NDF: 13004840.7/17

Left Out: 365.603+/-0.060 χ^2/NDF:668124.0/24

Right Out: 2.468+/-0.001 χ^2/NDF: 14256998.2/20

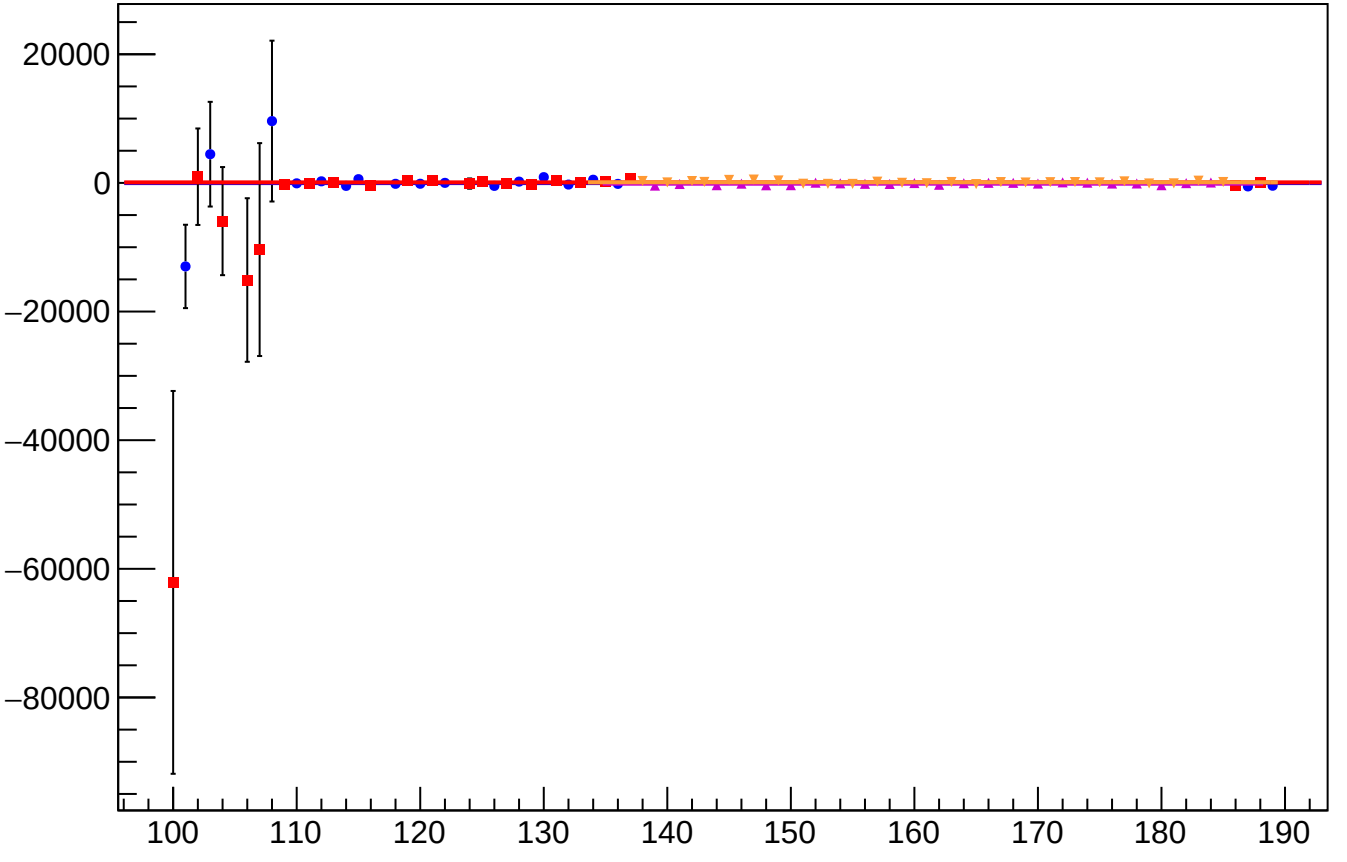
Left In: 359.024+/-0.060 χ^2/NDF:446263.1/22

+ sign 2.722+/-0.002 χ^2/NDF: 50838925.5/42

All: 2.694+/-0.001 χ^2/NDF: 100653502.3/86

- sign 2.669+/-0.001 χ^2/NDF: 49813948.1/43

asym_cav4cQ_mean vs Slug



Right In: -28.285+/-85.013 χ^2/NDF: 18.6/17

Left Out: 99.601+/-48.250 χ^2/NDF:12.7/24

Right Out: 83.272+/-77.335 χ^2/NDF: 15.4/20

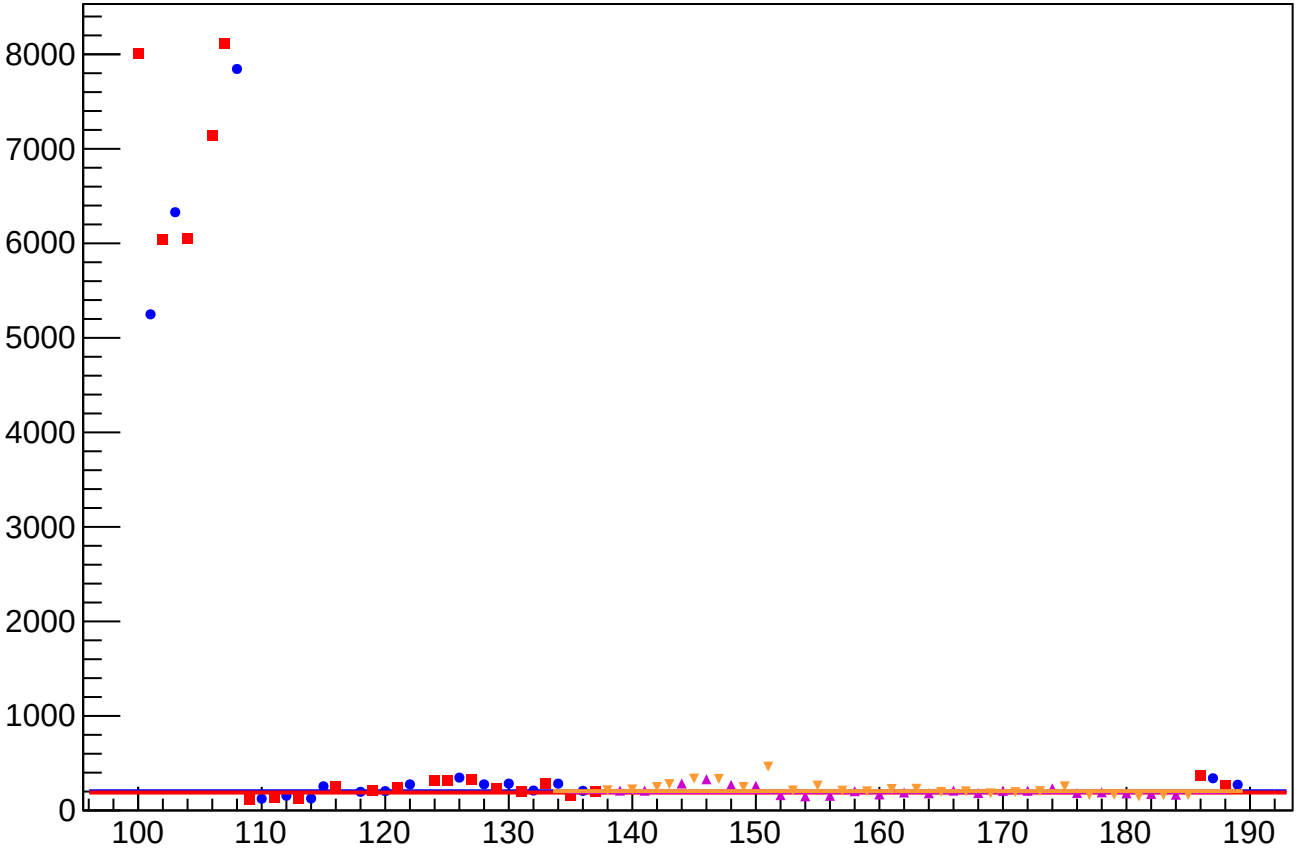
Left In: -119.345+/-46.957 χ^2/NDF:9.3/22

\+ sign 68.443+/-41.962 χ^2/NDF: 33.0/42

All: -1.122+/-29.005 χ^2/NDF: 68.0/86

\- sign -64.767+/-40.137 χ^2/NDF: 29.7/43

asym_cav4cQ_rms vs Slug



Right In: 203.118+/-0.060 χ^2/NDF: 4094091.2/17

Left Out: 204.581+/-0.034 χ^2/NDF:1975114.7/24

Right Out: 189.487+/-0.055 χ^2/NDF: 4787301.1/20

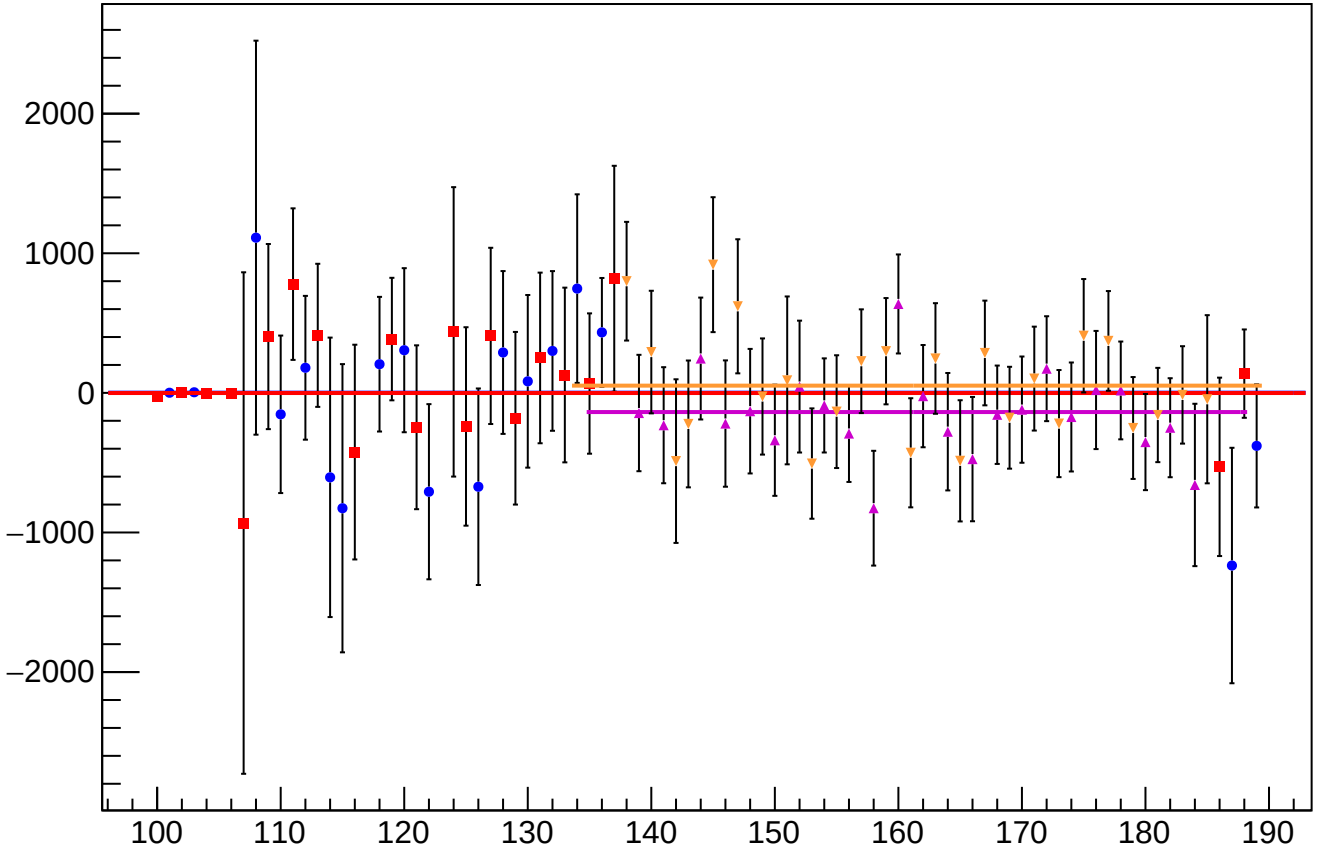
Left In: 193.895+/-0.033 χ^2/NDF:1191589.3/22

+ sign 204.225+/-0.030 χ^2/NDF: 6069653.9/42

All: 198.210+/-0.021 χ^2/NDF: 12131965.6/86

- sign 192.708+/-0.028 χ^2/NDF: 5983638.3/43

asym_cav4dQ_mean vs Slug



Right In: 1.445+/-1.660 χ^2/NDF: 10.8/17

Left Out: 51.829+/-81.555 χ^2/NDF:19.4/24

Right Out: -1.093+/-1.528 χ^2/NDF: 10.0/20

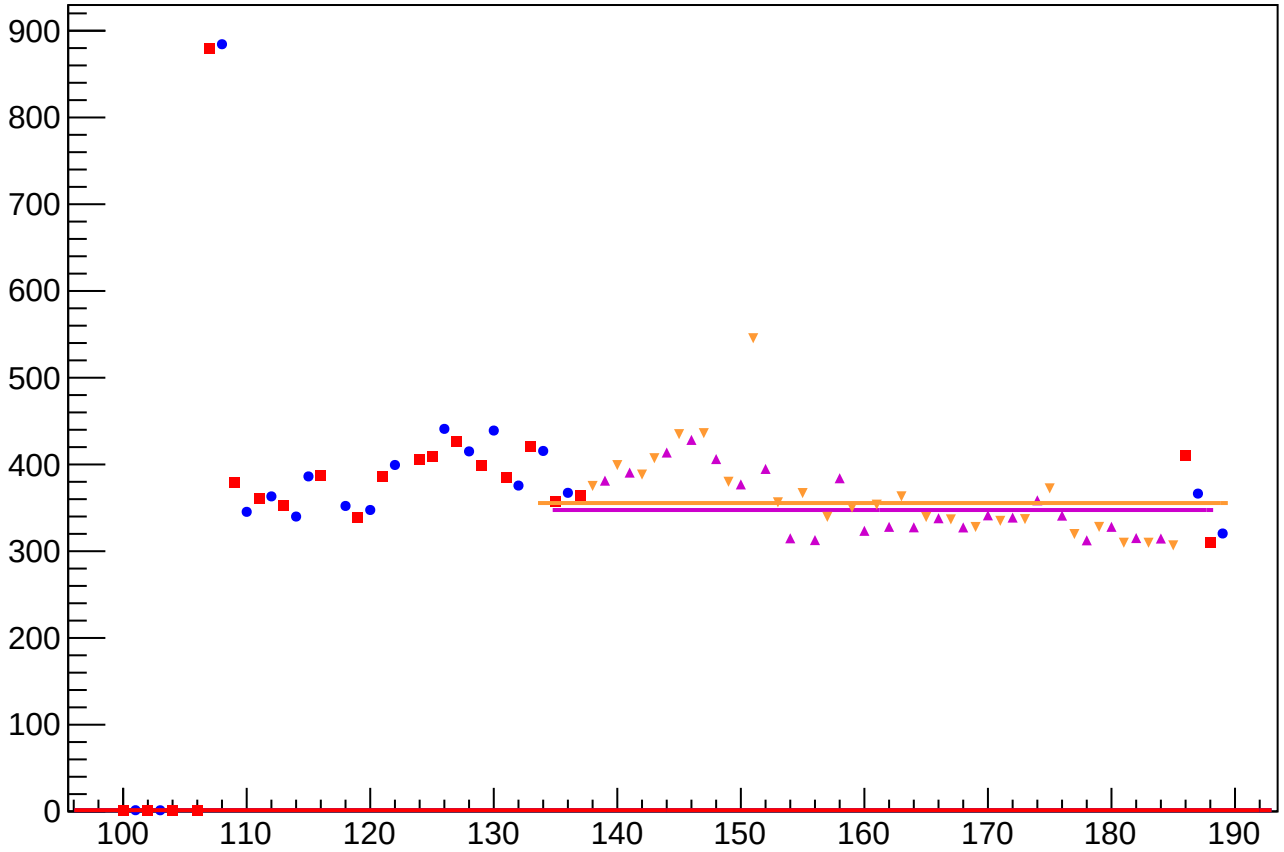
Left In: -137.399+/-82.111 χ^2/NDF:12.2/22

+ sign 1.466+/-1.660 χ^2/NDF: 30.6/42

All: 0.055+/-1.124 χ^2/NDF: 56.9/86

- sign -1.141+/-1.528 χ^2/NDF: 25.0/43

asym_cav4dQ_rms vs Slug



Right In: 1.476+/-0.001 χ^2/NDF: 13156317.2/17

Left Out: 355.535+/-0.058 χ^2/NDF:528878.5/24

Right Out: 1.477+/-0.001 χ^2/NDF: 13988846.4/20

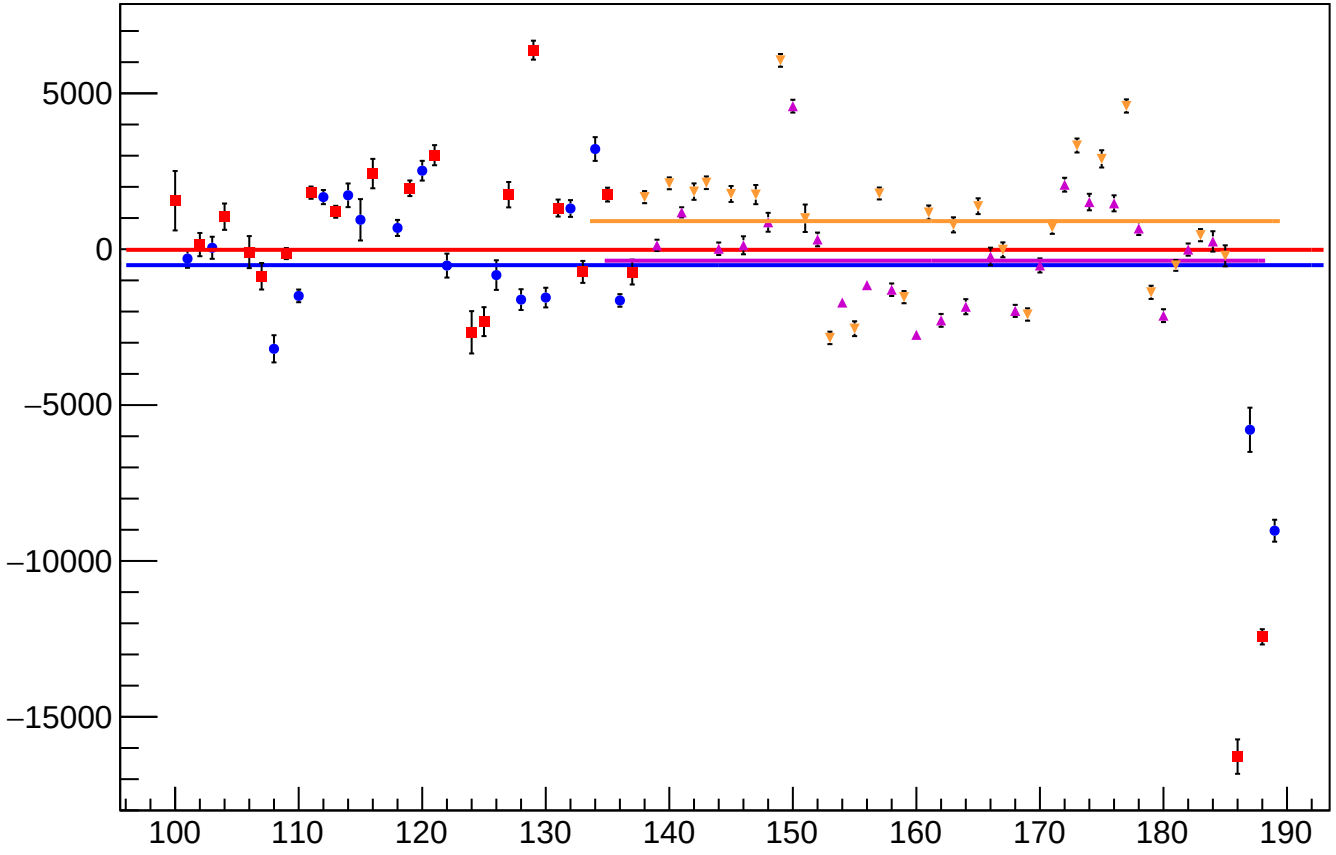
Left In: 347.484+/-0.058 χ^2/NDF:344530.3/22

+ sign 1.623+/-0.001 χ^2/NDF: 51364315.3/42

All: 1.608+/-0.001 χ^2/NDF: 101199598.1/86

- sign 1.596+/-0.001 χ^2/NDF: 49835009.7/43

asym_bcm0l02_mean vs Slug



Right In: -511.196+/-72.861 χ^2/NDF: 1148.6/17

Left Out: 901.476+/-44.481 χ^2/NDF:2411.0/24

Right Out: -19.627+/-65.965 χ^2/NDF: 4345.9/20

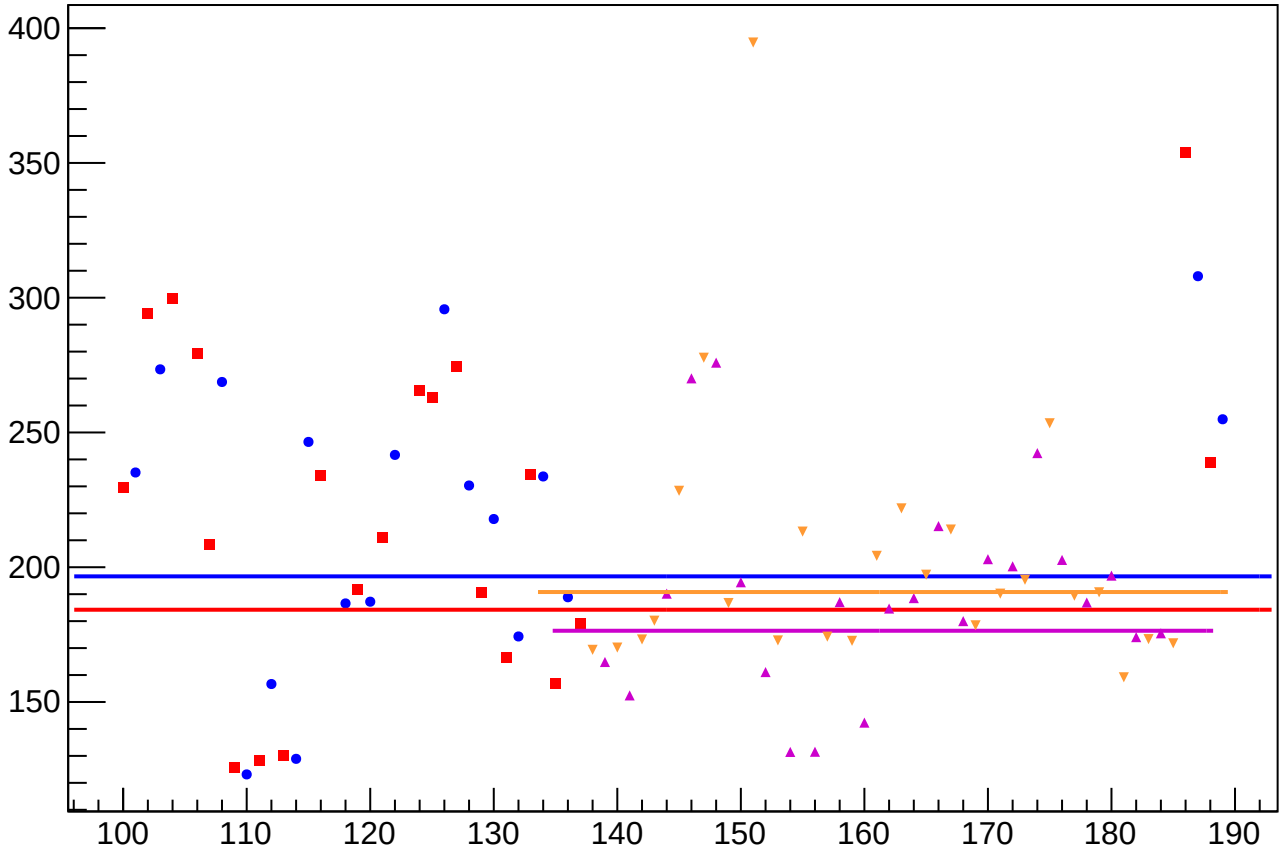
Left In: -368.252+/-42.700 χ^2/NDF:1593.0/22

+ sign 517.922+/-37.965 χ^2/NDF: 3833.4/42

All: 103.827+/-26.064 χ^2/NDF: 10017.1/86

- sign -265.310+/-35.845 χ^2/NDF: 5958.6/43

asym_bcm0l02_rms vs Slug



Right In: 196.611+/-0.052 χ^2/NDF: 868932.8/17

Left Out: 190.801+/-0.031 χ^2/NDF:1019598.1/24

Right Out: 184.230+/-0.047 χ^2/NDF: 1534662.9/20

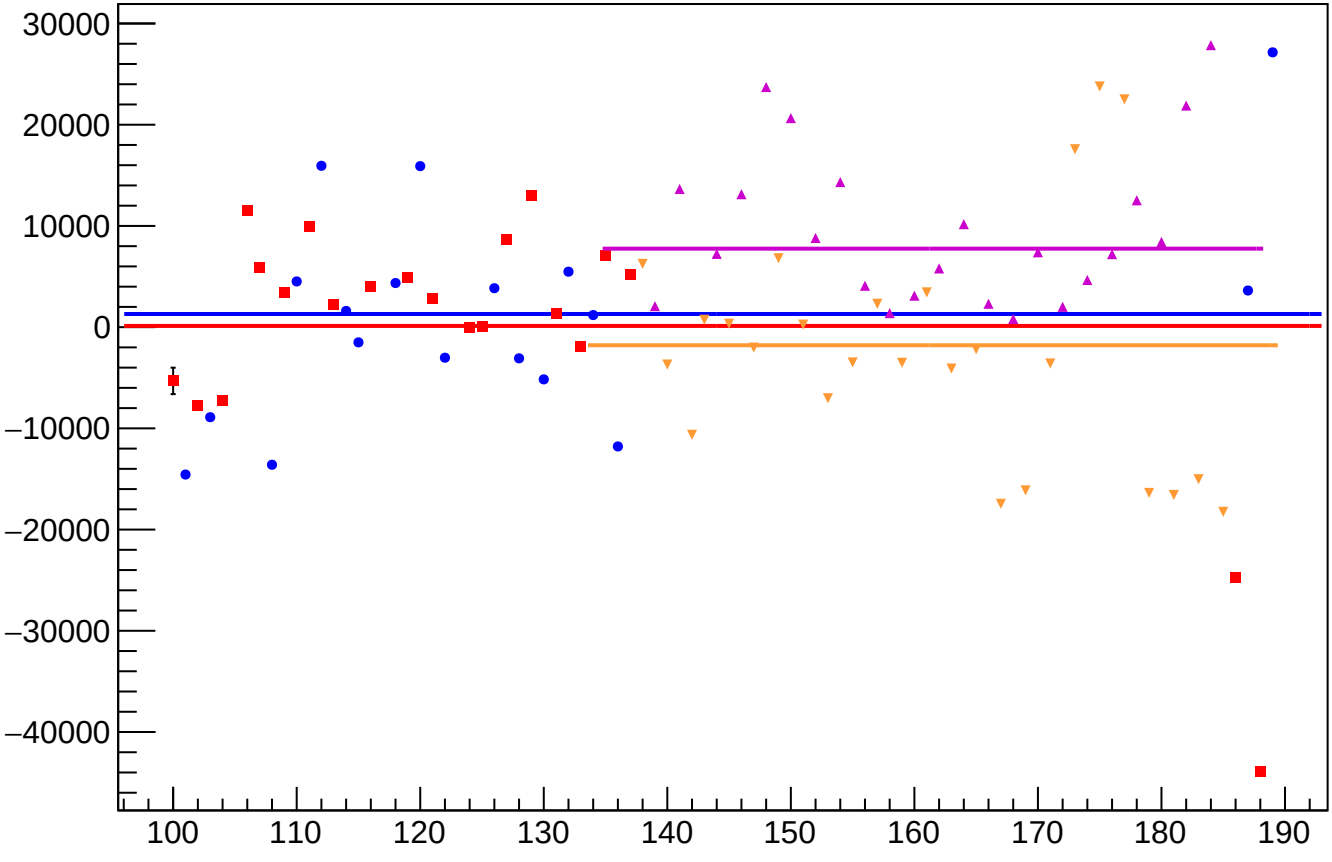
Left In: 176.431+/-0.030 χ^2/NDF:1257661.0/22

+ sign 192.378+/-0.027 χ^2/NDF: 1897795.2/42

All: 185.165+/-0.018 χ^2/NDF: 4846393.5/86

- sign 178.734+/-0.025 χ^2/NDF: 2812025.1/43

asym_bpm0i02WS_mean vs Slug



Right In: 1299.336+/-52.520 χ^2/NDF: 42067.2/17

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: 120.233+/-49.253 χ^2/NDF: 83613.3/20

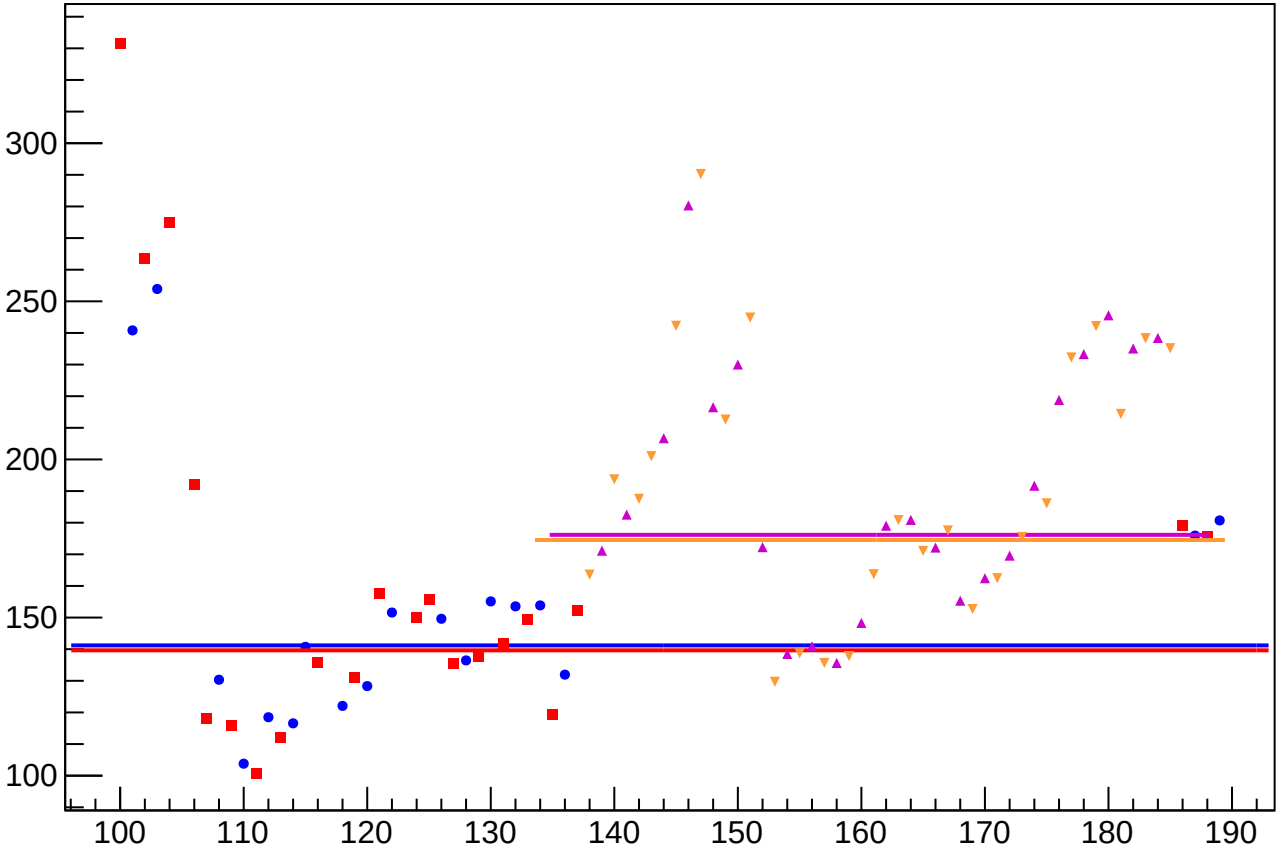
Left In: 7754.468+/-42.571 χ^2/NDF:23278.0/22

+ sign -623.562+/-32.274 χ^2/NDF: 109967.0/42

All: 1938.472+/-22.798 χ^2/NDF: 243187.4/86

- sign 4489.970+/-32.208 χ^2/NDF: 120642.9/43

asym_bpm0i02WS_rms vs Slug



Right In: 141.194+/-0.037 χ^2/NDF: 726736.7/17

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 139.640+/-0.035 χ^2/NDF: 1024339.2/20

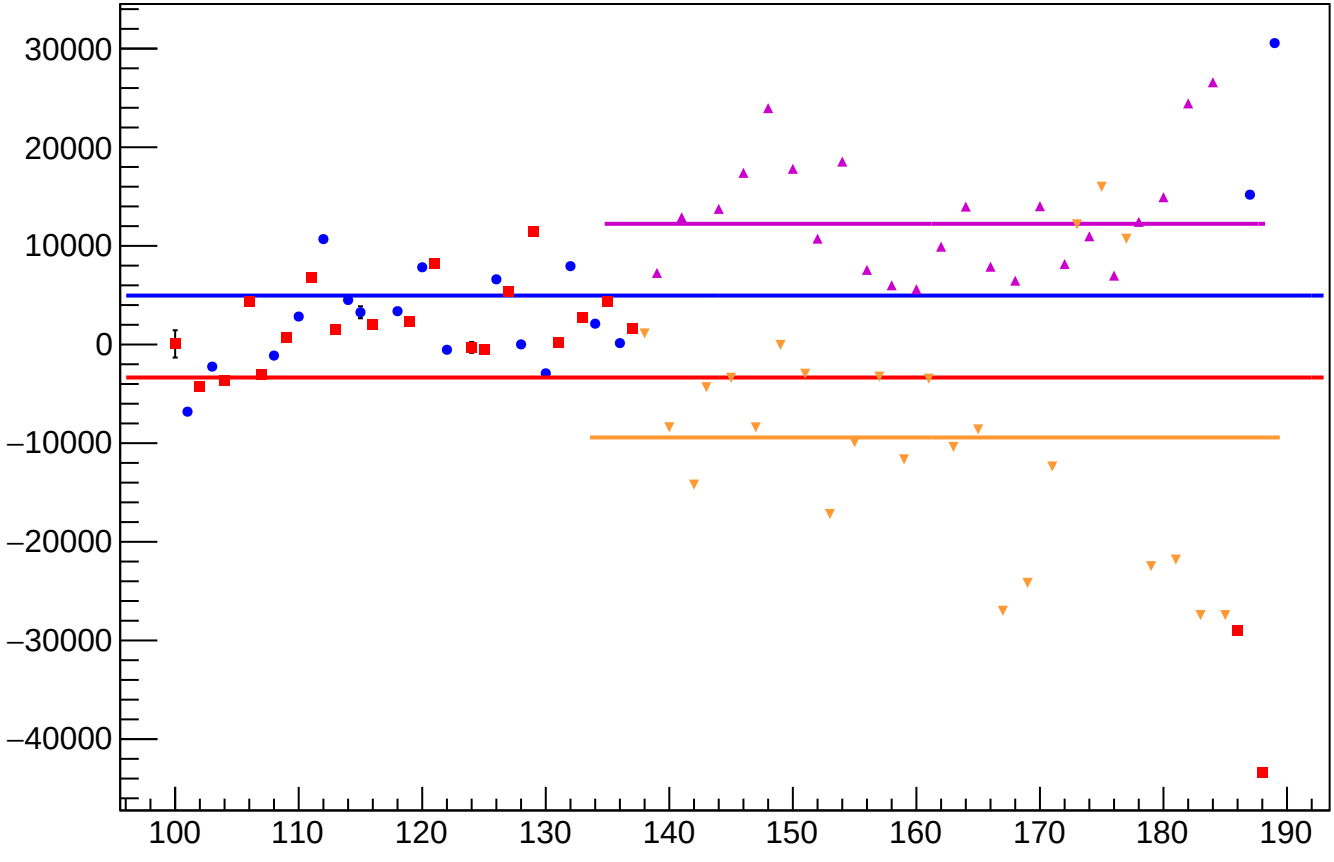
Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

+ sign 161.935+/-0.023 χ^2/NDF: 2887423.3/42

All: 161.236+/-0.016 χ^2/NDF: 5909883.5/86

- sign 160.540+/-0.023 χ^2/NDF: 3020588.5/43

asym_bpm0i02aWS_mean vs Slug



Right In: 4962.812+/-65.992 χ^2/NDF: 16416.3/17

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: -3342.430+/-60.130 χ^2/NDF: 68555.9/20

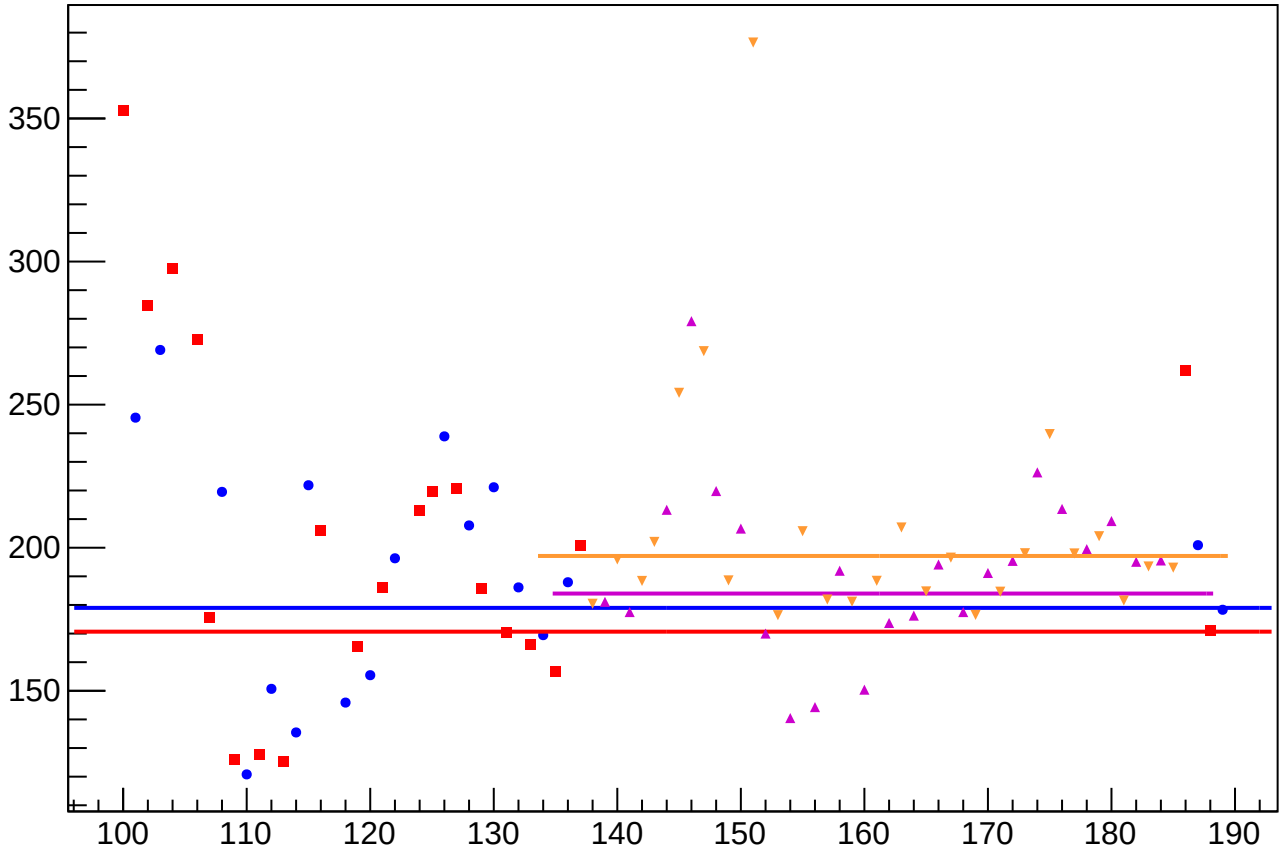
Left In: 12238.678+/-44.195 χ^2/NDF:16015.8/22

+ sign -4758.572+/-37.570 χ^2/NDF: 113241.8/42

All: 1316.040+/-25.845 χ^2/NDF: 291040.5/86

- sign 6773.793+/-35.611 χ^2/NDF: 128166.3/43

asym_bpm0i02aWS_rms vs Slug



Right In: 178.979+/-0.047 χ^2/NDF: 679142.2/17

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 170.667+/-0.043 χ^2/NDF: 1081576.3/20

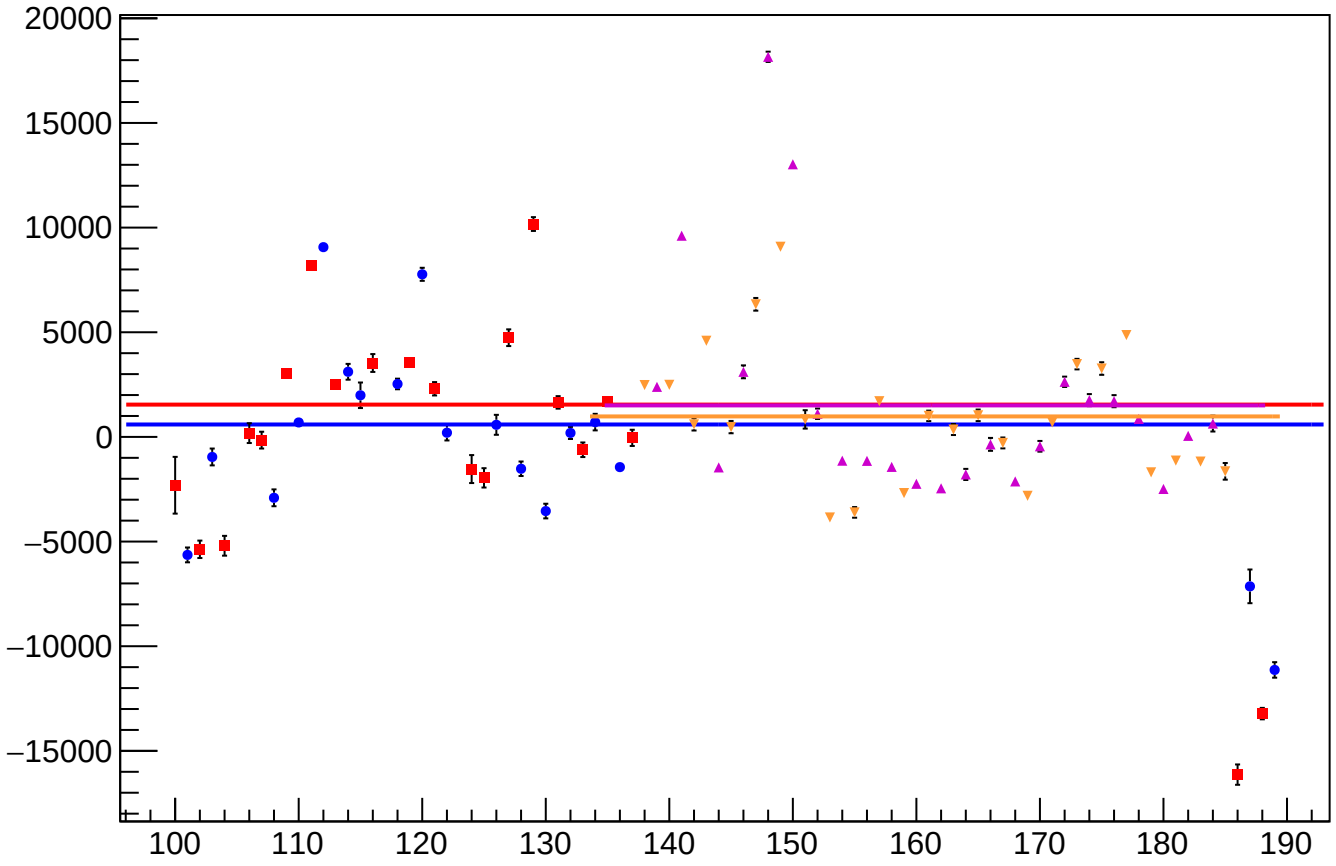
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 191.242+/-0.027 χ^2/NDF: 1513846.0/42

All: 184.959+/-0.018 χ^2/NDF: 3595100.2/86

- sign 179.314+/-0.025 χ^2/NDF: 1975061.1/43

asym_bpm0i05WS_mean vs Slug



Right In: 593.430+/-74.097 χ^2/NDF: 3801.1/17

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: 1543.300+/-66.403 χ^2/NDF: 7041.9/20

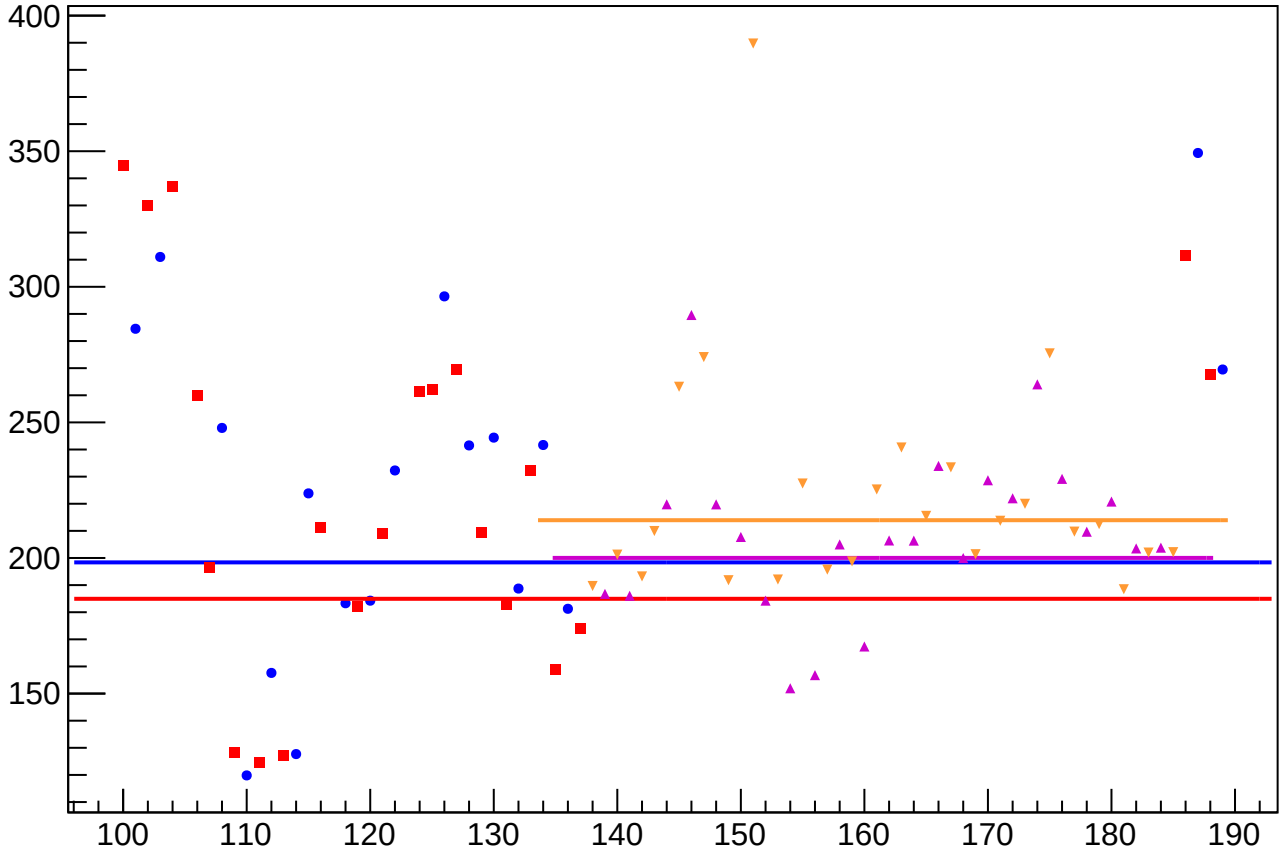
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

+ sign 859.275+/-41.222 χ^2/NDF: 8142.7/42

All: 1207.593+/-28.302 χ^2/NDF: 26800.5/86

- sign 1518.224+/-38.928 χ^2/NDF: 18522.7/43

asym_bpm0i05WS_rms vs Slug



Right In: 198.378+/-0.052 χ^2/NDF: 1116126.6/17

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

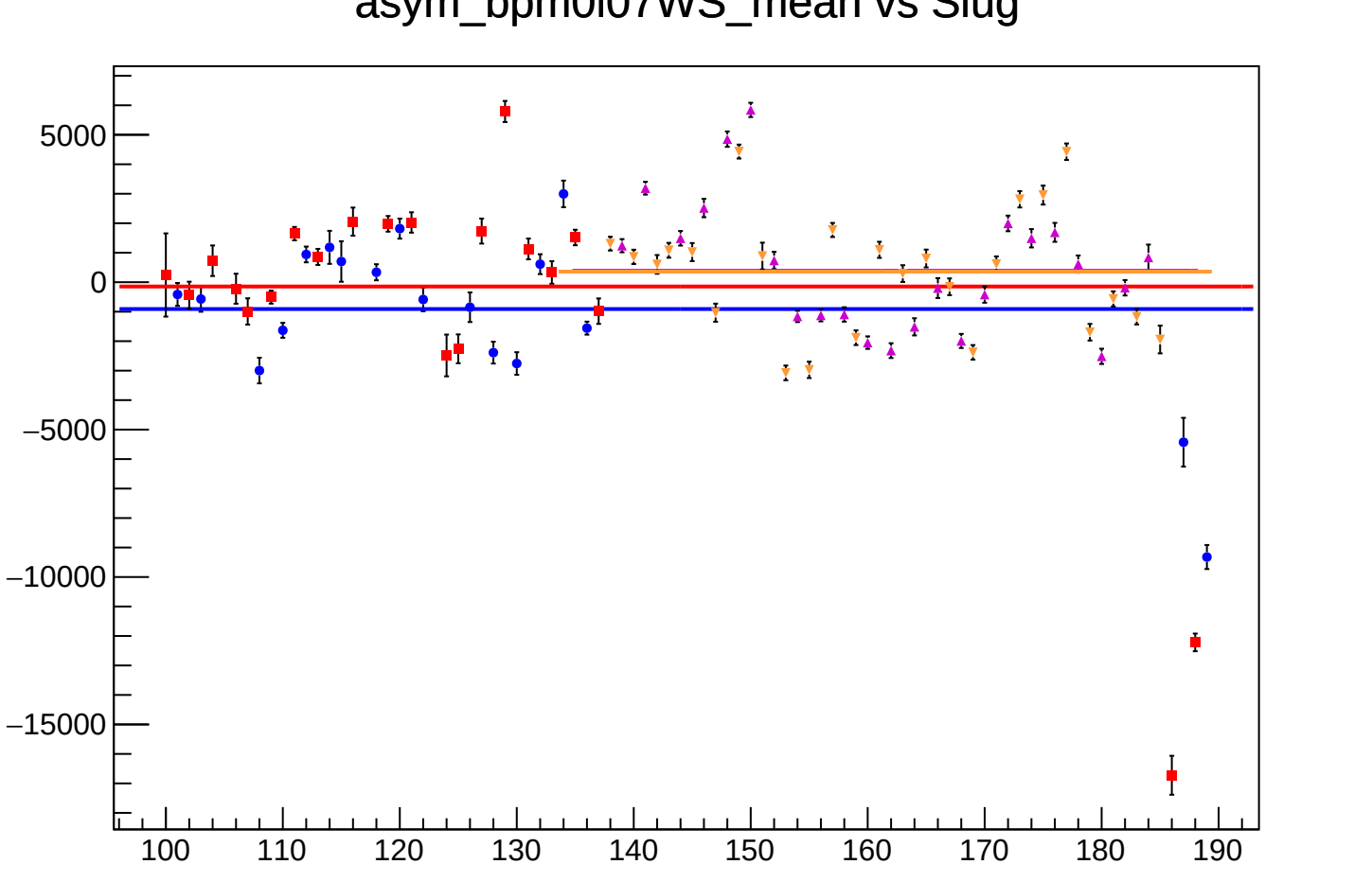
Right Out: 184.947+/-0.047 χ^2/NDF: 1702628.2/20

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 209.118+/-0.029 χ^2/NDF: 1910607.5/42

All: 201.574+/-0.020 χ^2/NDF: 4593195.5/86

- sign 194.847+/-0.028 χ^2/NDF: 2555881.1/43



Right In: -910.092+/-84.343 χ^2/NDF: 786.6/17

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: -145.786+/-77.602 χ^2/NDF: 2846.7/20

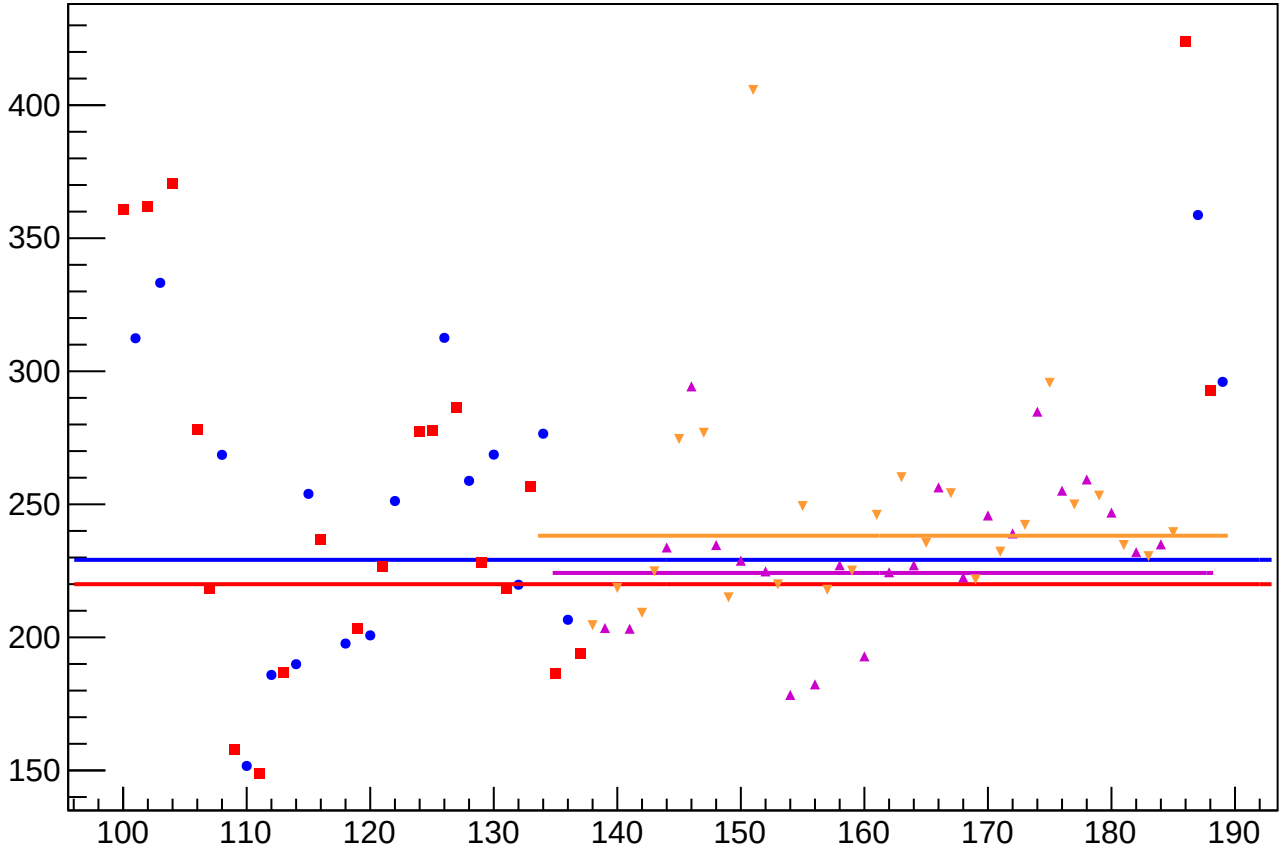
Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

+ sign -19.789+/-46.065 χ^2/NDF: 2364.3/42

All: 102.919+/-31.841 χ^2/NDF: 7060.7/86

- sign 215.190+/-44.063 χ^2/NDF: 4682.8/43

asym_bpm0i07WS_rms vs Slug



Right In: 229.138+/-0.060 χ^2/NDF: 761567.8/17

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 219.982+/-0.055 χ^2/NDF: 1263315.3/20

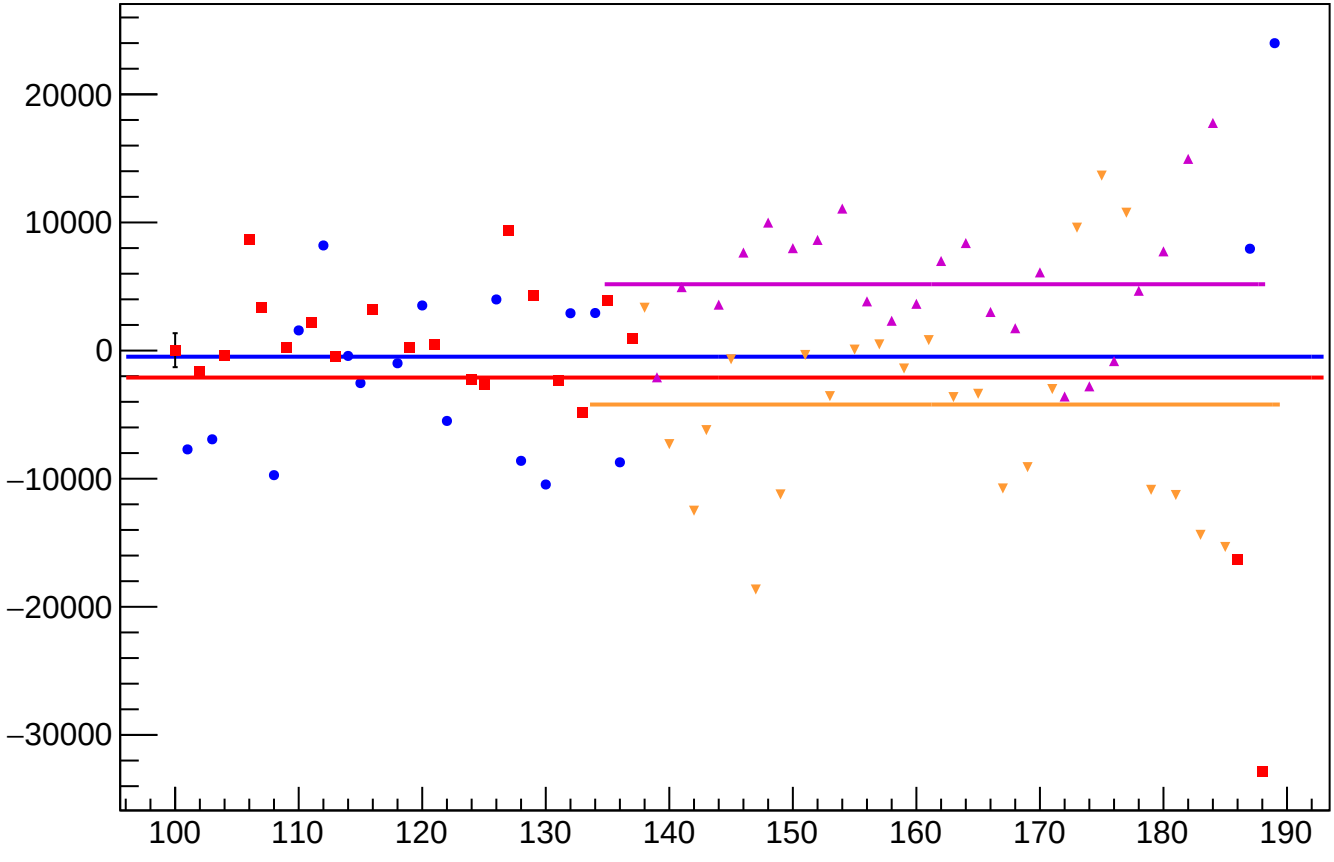
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 235.496+/-0.033 χ^2/NDF: 1345701.0/42

All: 228.891+/-0.023 χ^2/NDF: 3255013.4/86

- sign 222.848+/-0.031 χ^2/NDF: 1830573.7/43

asym_bpm1i02WS_mean vs Slug



Right In: -477.369+/-45.003 χ^2/NDF: 34145.7/17

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: -2105.336+/-41.971 χ^2/NDF: 62550.1/20

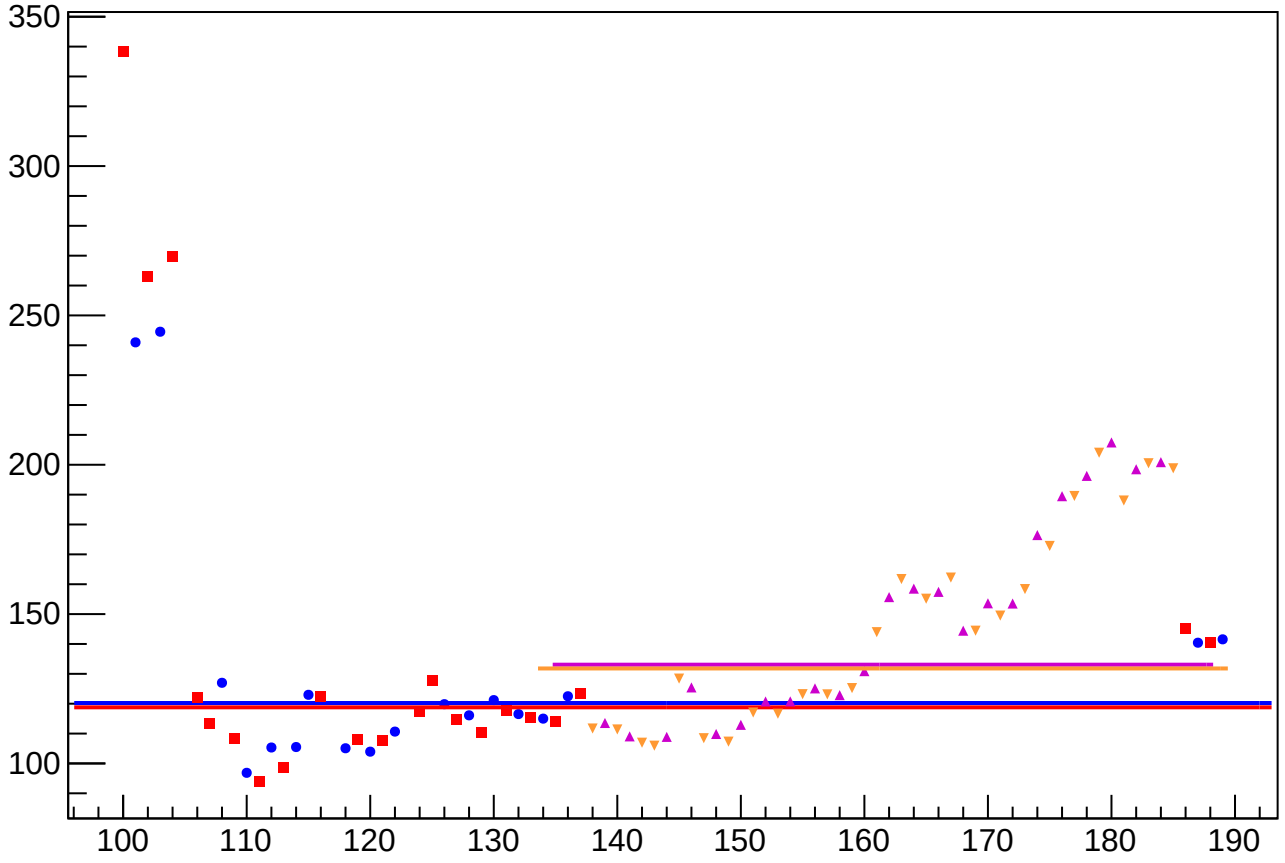
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

+ sign -3018.276+/-25.433 χ^2/NDF: 95632.0/42

All: -257.016+/-17.984 χ^2/NDF: 219354.7/86

- sign 2503.971+/-25.432 χ^2/NDF: 100149.4/43

asym_bpm1i02WS_rms vs Slug



Right In: 120.232+/-0.032 χ^2/NDF: 768129.0/17

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 118.787+/-0.030 χ^2/NDF: 946626.5/20

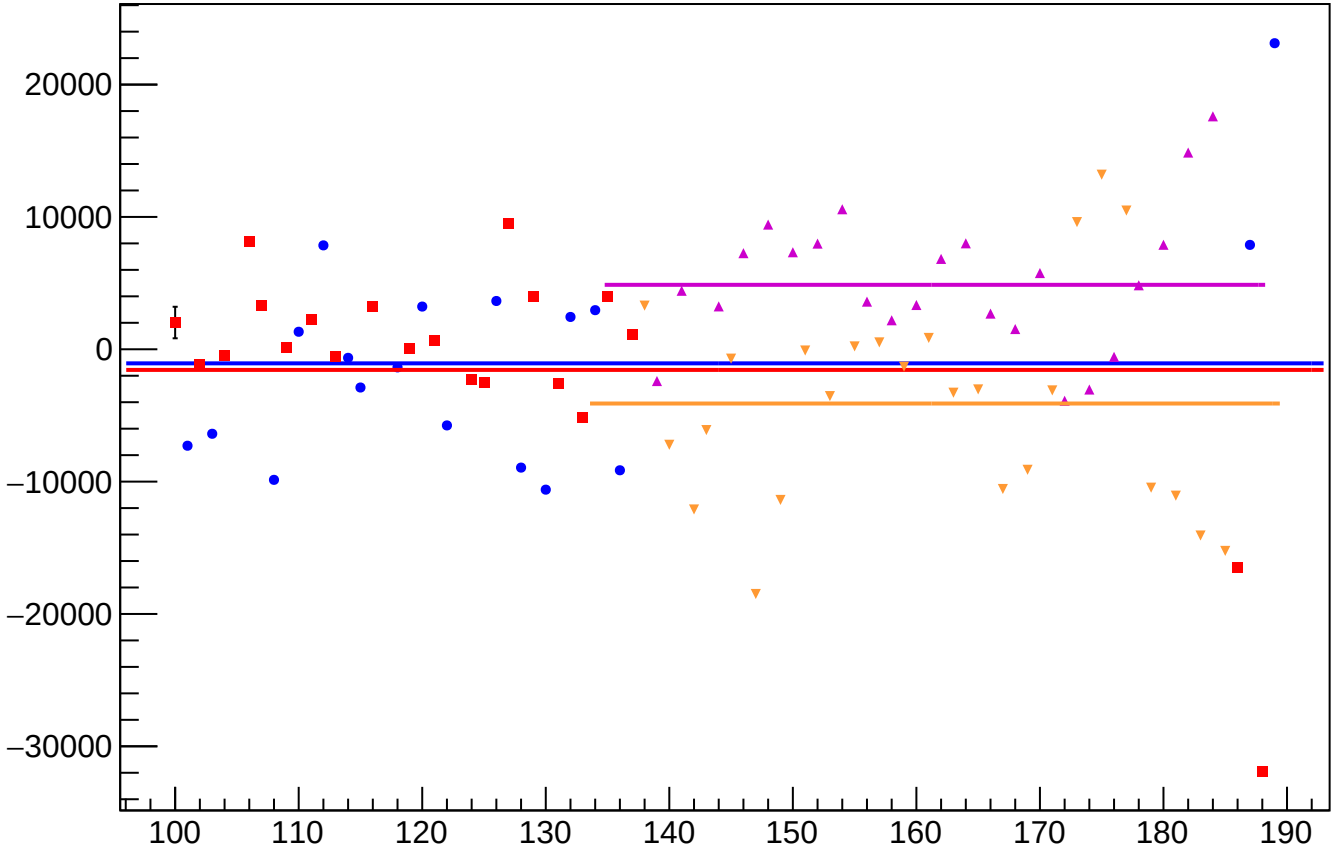
Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 128.104+/-0.018 χ^2/NDF: 2402378.4/42

All: 127.962+/-0.013 χ^2/NDF: 4913781.6/86

- sign 127.820+/-0.018 χ^2/NDF: 2511279.0/43

asym_bpm2i01WS_mean vs Slug



Right In: -1063.582+/-39.524 χ^2/NDF: 39406.1/17

Left Out: -4098.897+/-27.771 χ^2/NDF:66271.3/24

Right Out: -1559.413+/-37.289 χ^2/NDF: 67125.1/20

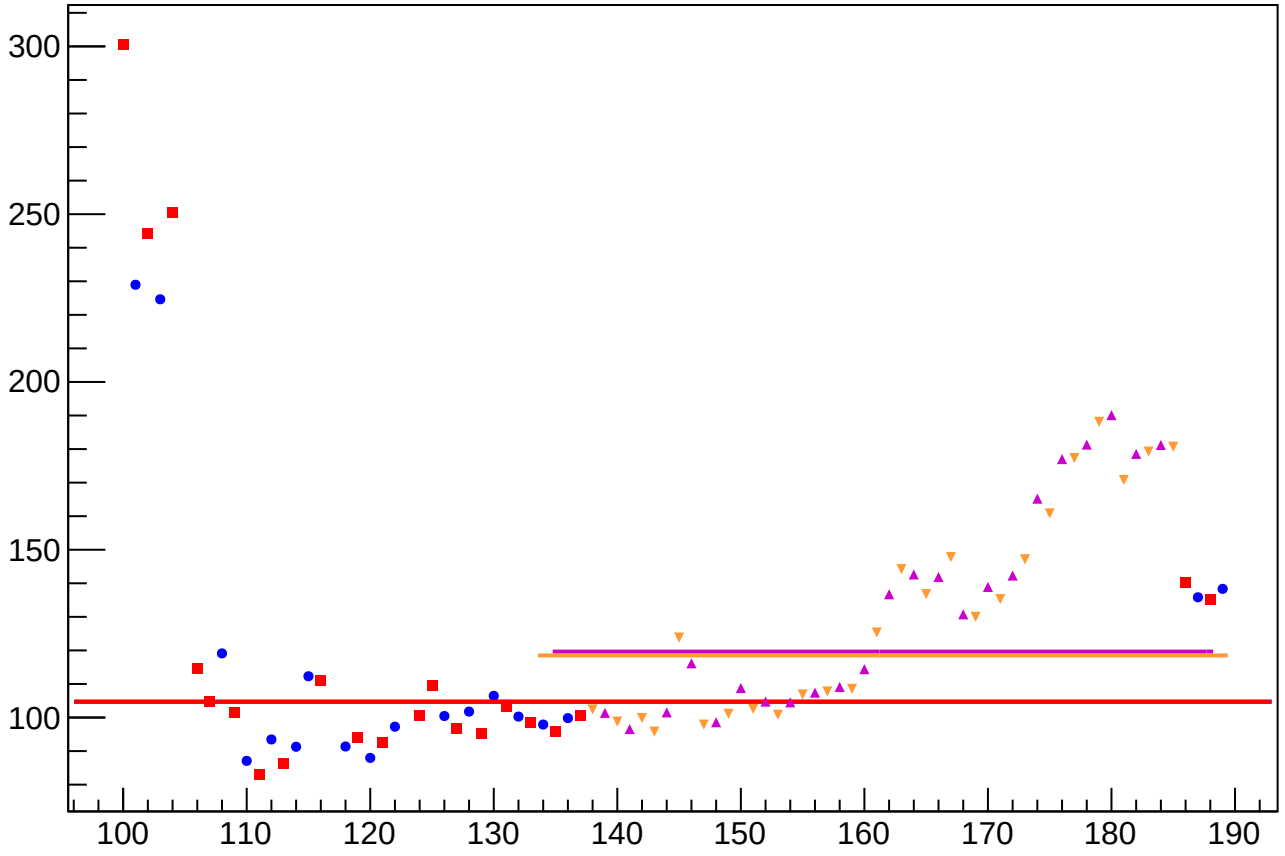
Left In: 4869.740+/-28.809 χ^2/NDF:21913.6/22

+ sign -3095.631+/-22.723 χ^2/NDF: 109625.8/42

All: -323.611+/-16.094 χ^2/NDF: 247142.1/86

- sign 2466.677+/-22.798 χ^2/NDF: 107653.9/43

asym_bpm2i01WS_rms vs Slug



Right In: 104.741+/-0.028 χ^2/NDF: 912204.6/17

Left Out: 118.502+/-0.020 χ^2/NDF:1627138.9/24

Right Out: 104.682+/-0.026 χ^2/NDF: 1097688.7/20

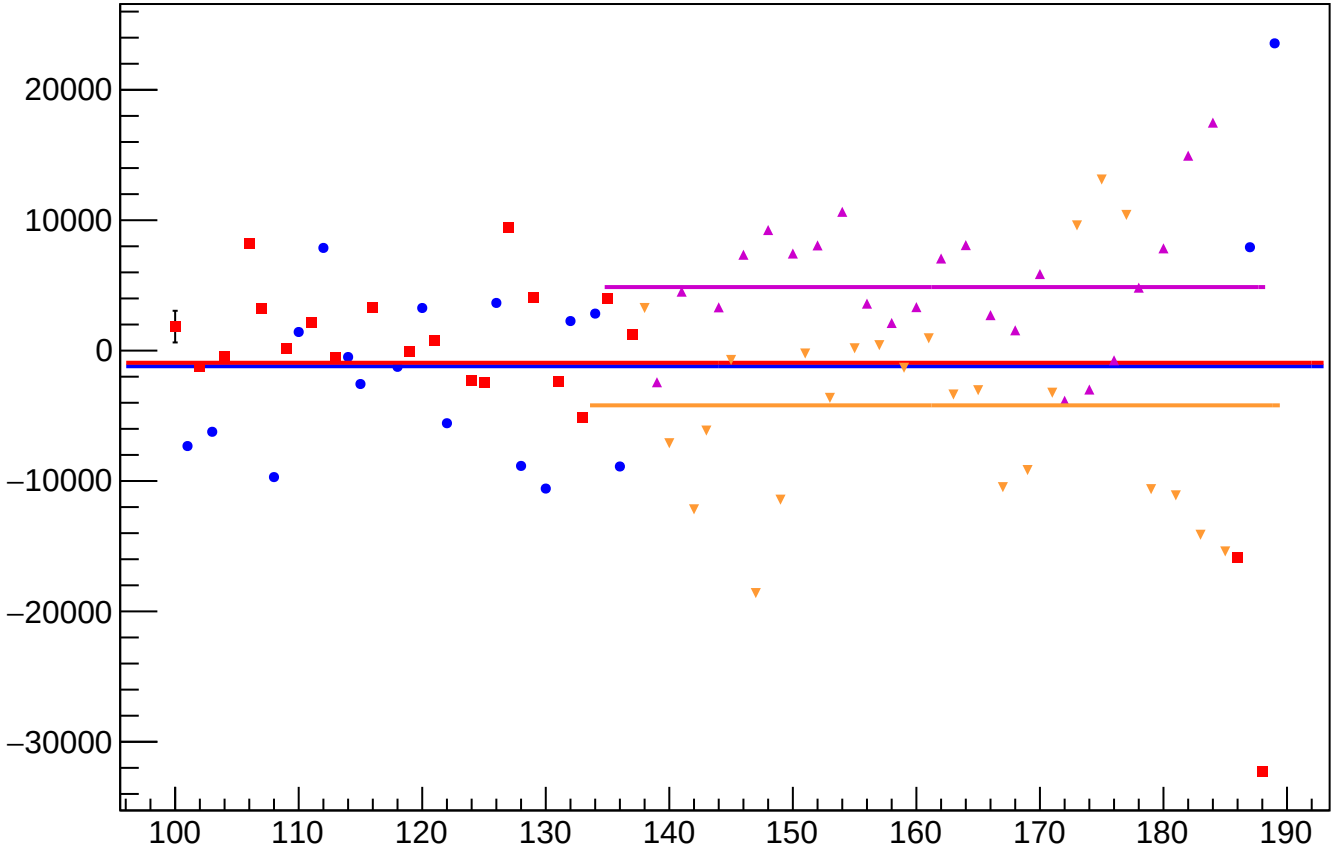
Left In: 119.645+/-0.020 χ^2/NDF:1512380.5/22

+ sign 113.953+/-0.016 χ^2/NDF: 2701634.3/42

All: 114.003+/-0.011 χ^2/NDF: 5513381.2/86

- sign 114.052+/-0.016 χ^2/NDF: 2811728.1/43

asym_bpm2i02WS_mean vs Slug



Right In: -1198.514+/-38.105 χ^2/NDF: 39036.8/17

Left Out: -4197.414+/-27.211 χ^2/NDF:70415.4/24

Right Out: -931.259+/-36.038 χ^2/NDF: 60203.0/20

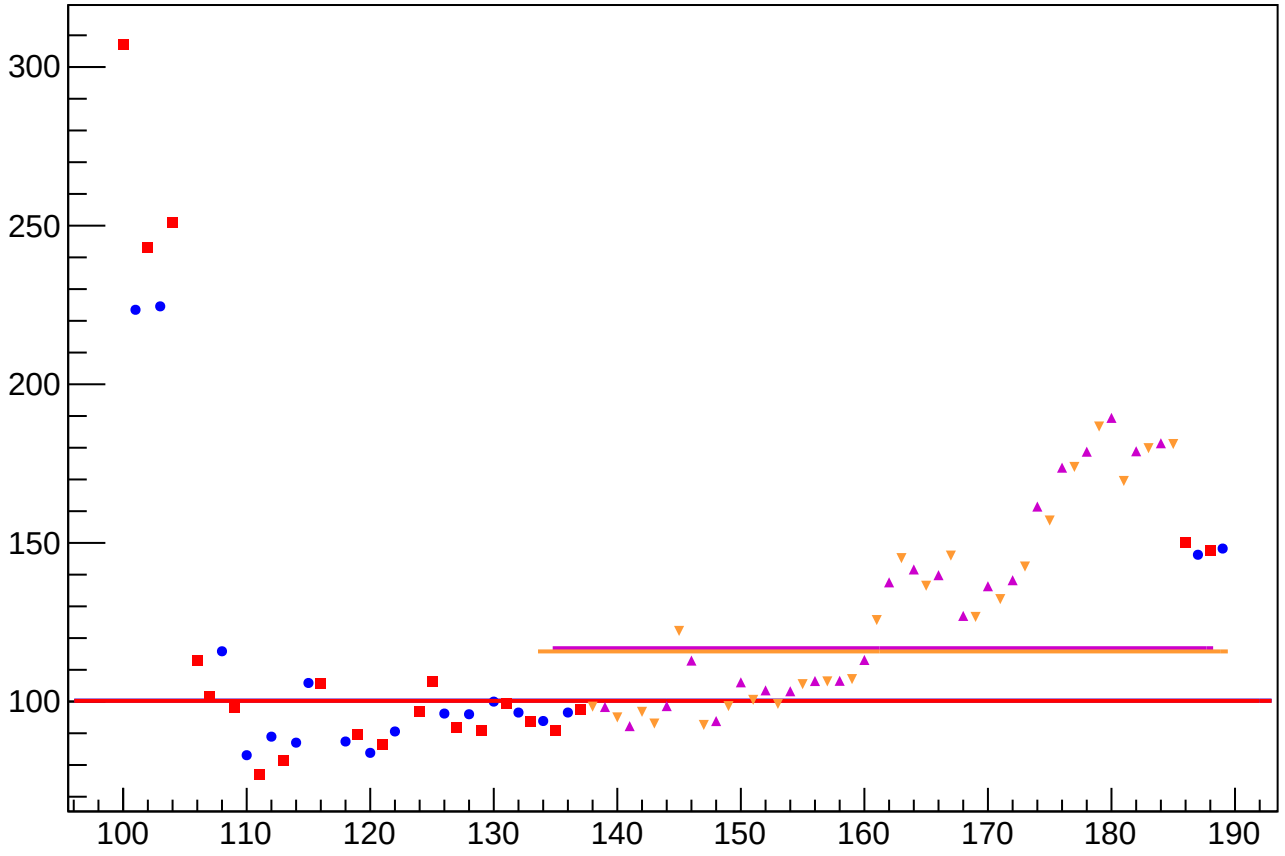
Left In: 4873.124+/-28.200 χ^2/NDF:22923.8/22

\+ sign -3184.622+/-22.144 χ^2/NDF: 113554.2/42

All: -266.483+/-15.681 χ^2/NDF: 247603.4/86

\- sign 2668.701+/-22.209 χ^2/NDF: 99216.3/43

asym_bpm2i02WS_rms vs Slug



Right In: 100.295+/-0.027 χ^2/NDF: 1021736.3/17

Left Out: 115.798+/-0.019 χ^2/NDF:1749021.2/24

Right Out: 100.209+/-0.025 χ^2/NDF: 1323896.9/20

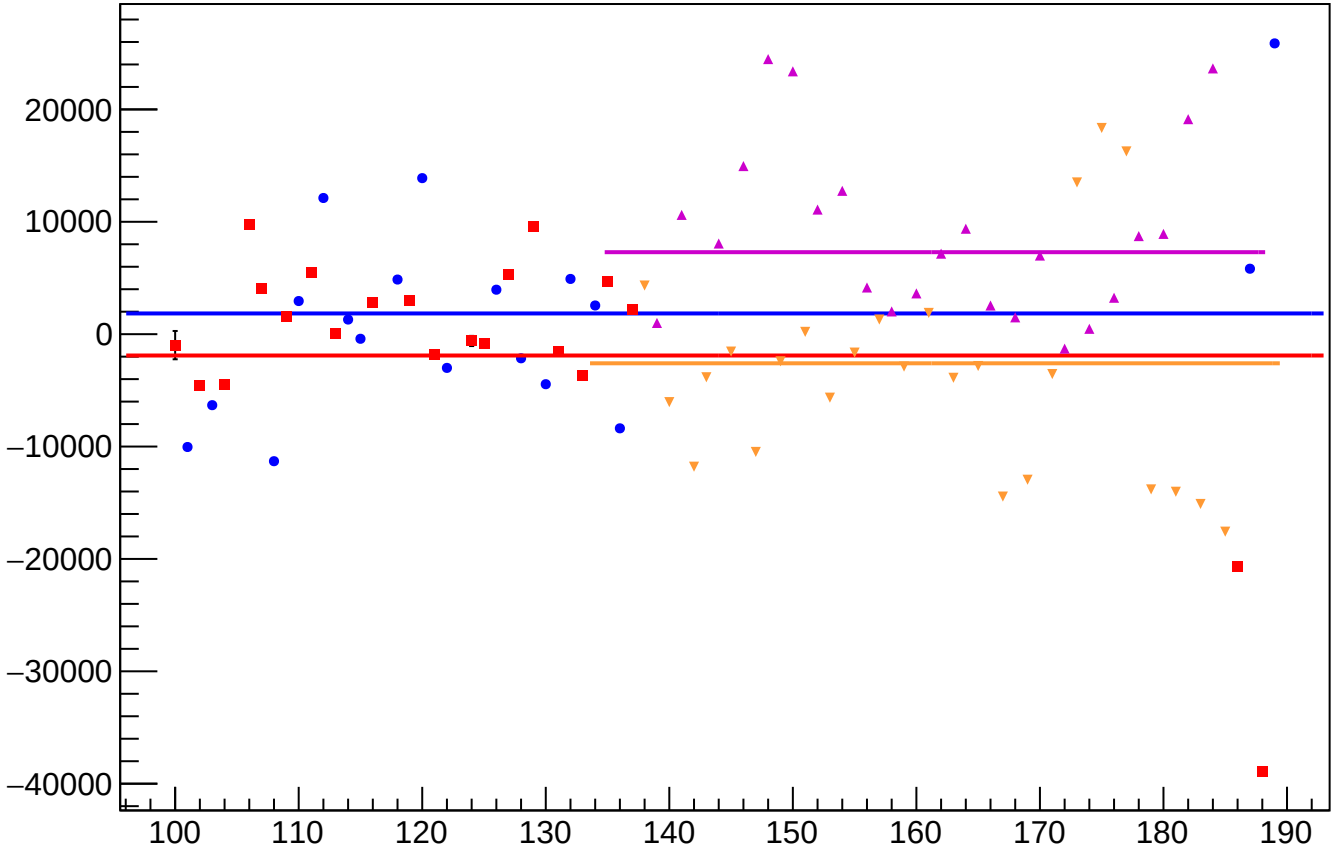
Left In: 116.808+/-0.020 χ^2/NDF:1617645.9/22

+ sign 110.562+/-0.016 χ^2/NDF: 2989997.6/42

All: 110.533+/-0.011 χ^2/NDF: 6194712.3/86

- sign 110.504+/-0.016 χ^2/NDF: 3204707.8/43

asym_bpm0i01WS_mean vs Slug



Right In: 1844.529+/-53.015 χ^2/NDF: 29148.7/17

Left Out: -2591.379+/-37.643 χ^2/NDF:47994.7/24

Right Out: -1898.075+/-50.334 χ^2/NDF: 58968.6/20

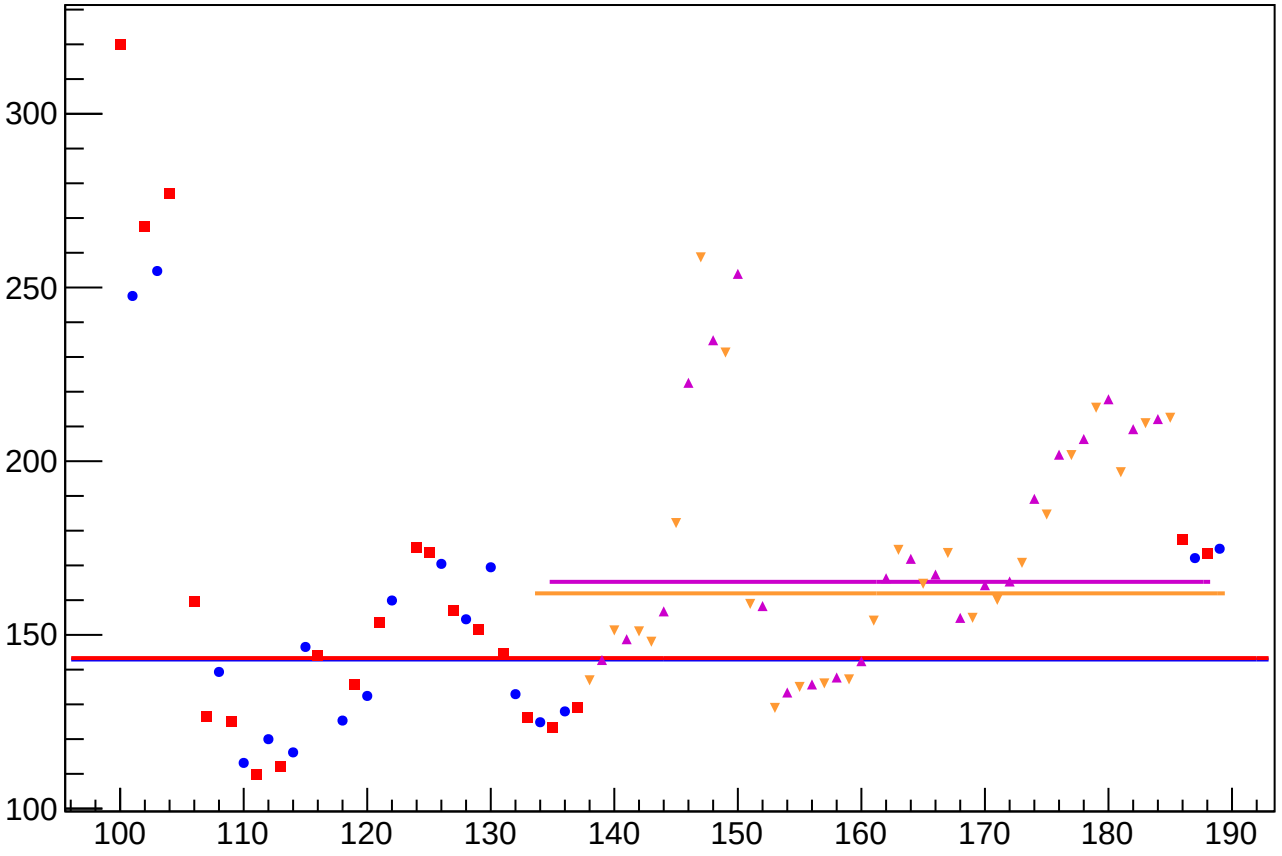
Left In: 7296.193+/-39.576 χ^2/NDF:24743.4/22

+ sign -1104.544+/-30.693 χ^2/NDF: 81797.9/42

All: 1306.533+/-21.849 χ^2/NDF: 198640.0/86

- sign 3783.715+/-31.111 χ^2/NDF: 104331.3/43

asym_bpm0i01WS_rms vs Slug



Right In: 142.915+/-0.037 χ^2/NDF: 724454.1/17

Left Out: 161.957+/-0.027 χ^2/NDF:1144808.3/24

Right Out: 143.322+/-0.036 χ^2/NDF: 901573.9/20

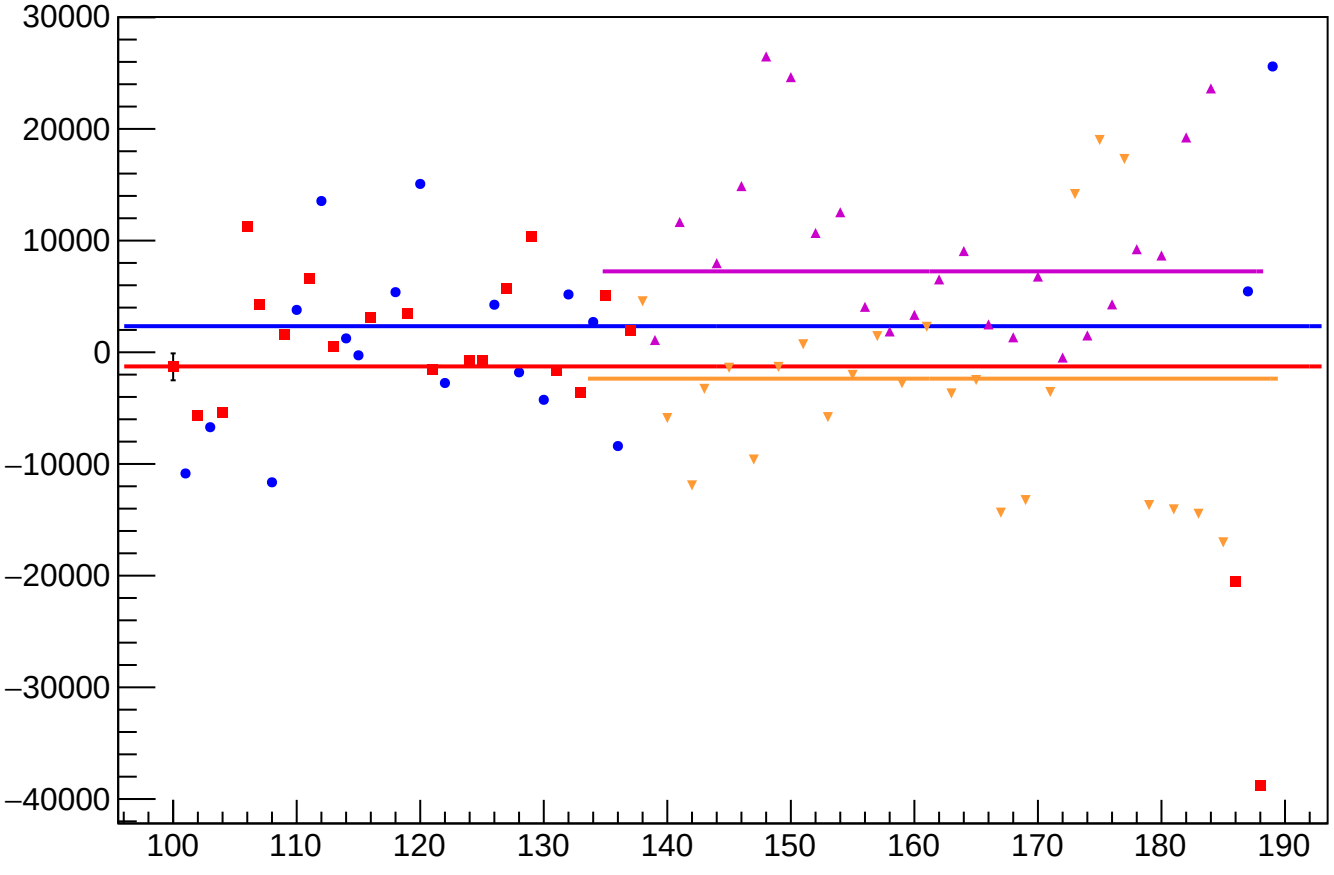
Left In: 165.273+/-0.028 χ^2/NDF:1179090.6/22

+ sign 155.574+/-0.022 χ^2/NDF: 2040799.0/42

All: 156.222+/-0.015 χ^2/NDF: 4358306.2/86

- sign 156.887+/-0.022 χ^2/NDF: 2315703.2/43

asym_bpm0i01aWS_mean vs Slug



Right In: 2336.469+/-44.487 χ^2/NDF: 43811.4/17

Left Out: -2360.753+/-33.680 χ^2/NDF:58566.4/24

Right Out: -1266.768+/-41.836 χ^2/NDF: 83435.6/20

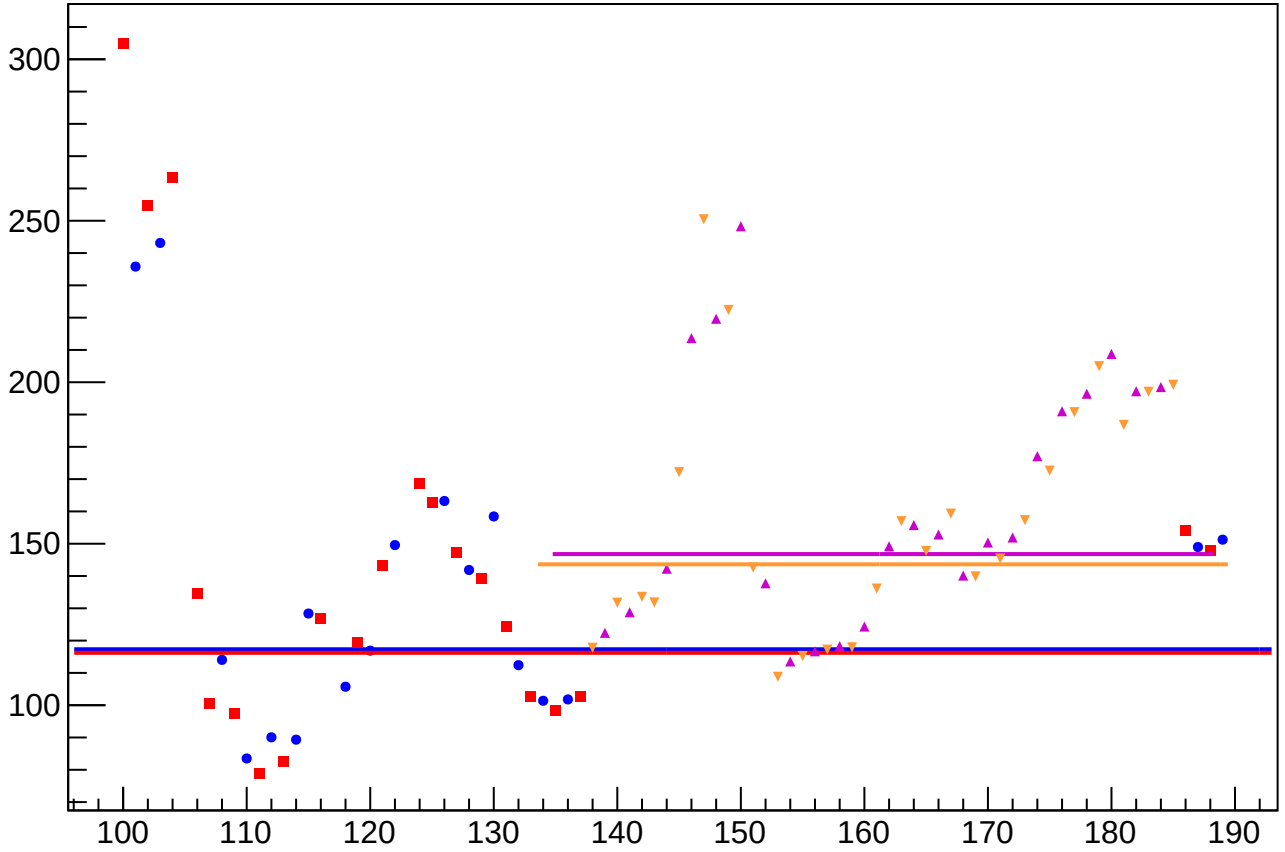
Left In: 7244.763+/-35.507 χ^2/NDF:30447.9/22

+ sign -649.375+/-26.853 χ^2/NDF: 109464.4/42

All: 1498.156+/-19.065 χ^2/NDF: 260305.0/86

- sign 3680.795+/-27.071 χ^2/NDF: 137944.2/43

asym_bpm0i01aWS_rms vs Slug



Right In: 117.322+/-0.031 χ^2/NDF: 1187001.9/17

Left Out: 143.622+/-0.024 χ^2/NDF:1662825.4/24

Right Out: 116.229+/-0.030 χ^2/NDF: 1481688.7/20

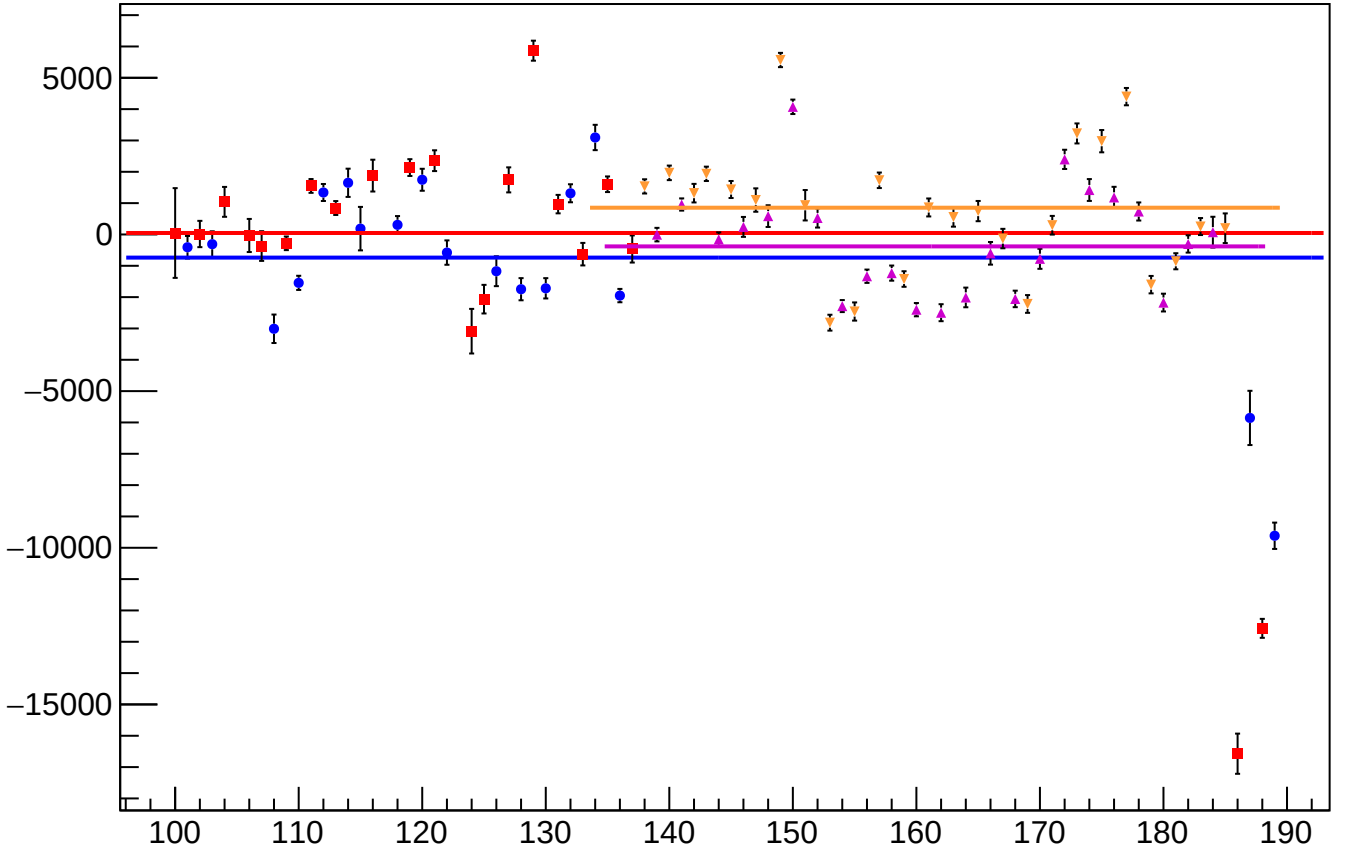
Left In: 146.793+/-0.025 χ^2/NDF:1694524.1/22

+ sign 134.040+/-0.019 χ^2/NDF: 3294162.4/42

All: 134.018+/-0.013 χ^2/NDF: 7090896.6/86

- sign 133.995+/-0.019 χ^2/NDF: 3796731.4/43

asym_bpm0l01WS_mean vs Slug



Right In: -738.499+/-80.263 χ^2/NDF: 865.3/17

Left Out: 853.916+/-56.237 χ^2/NDF:1443.8/24

Right Out: 47.162+/-73.625 χ^2/NDF: 3043.7/20

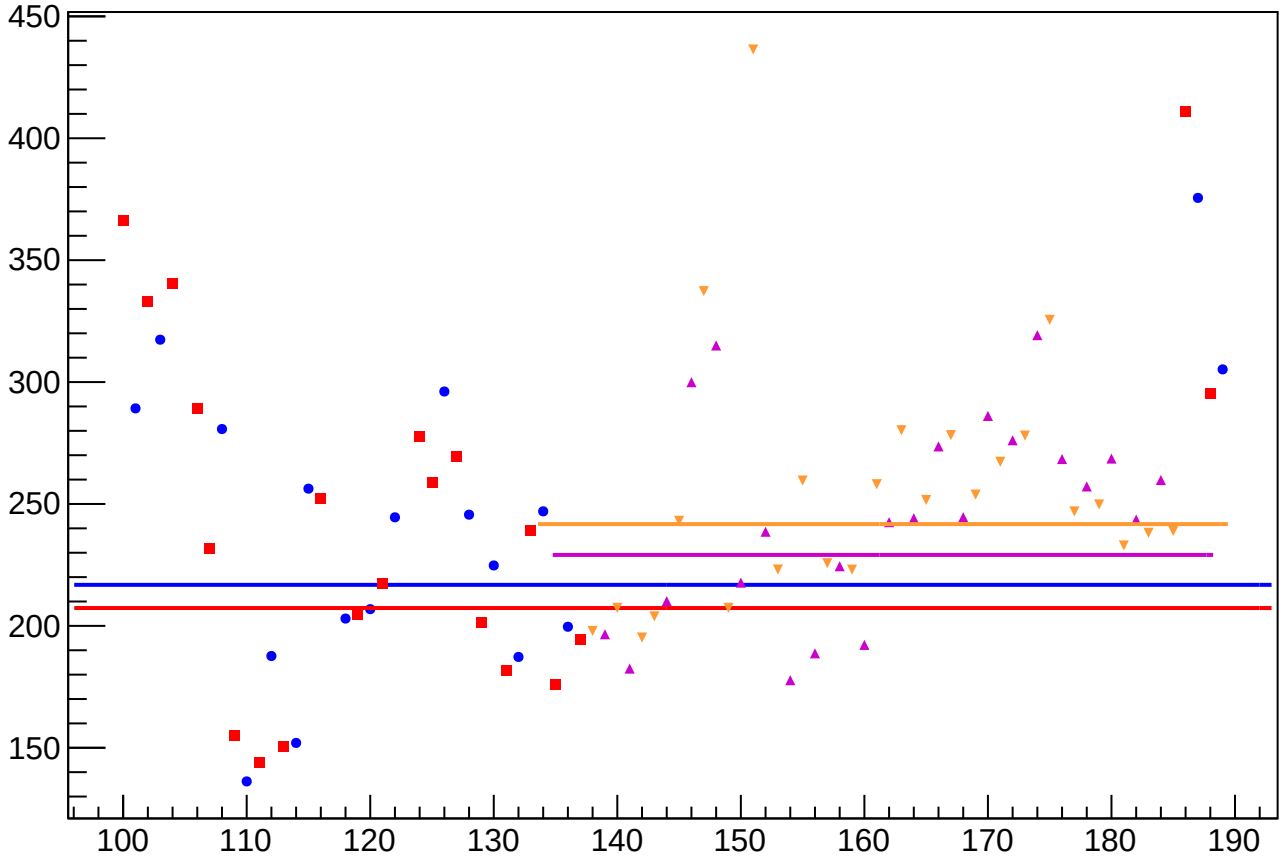
Left In: -380.865+/-55.135 χ^2/NDF:982.4/22

+ sign 329.576+/-46.057 χ^2/NDF: 2573.1/42

All: 39.380+/-31.865 χ^2/NDF: 6697.1/86

- sign -227.073+/-44.132 χ^2/NDF: 4047.8/43

asym_bpm0l01WS_rms vs Slug



Right In: 216.834+/-0.057 χ^2/NDF: 852939.1/17

Left Out: 241.746+/-0.040 χ^2/NDF:986390.8/24

Right Out: 207.323+/-0.052 χ^2/NDF: 1370962.4/20

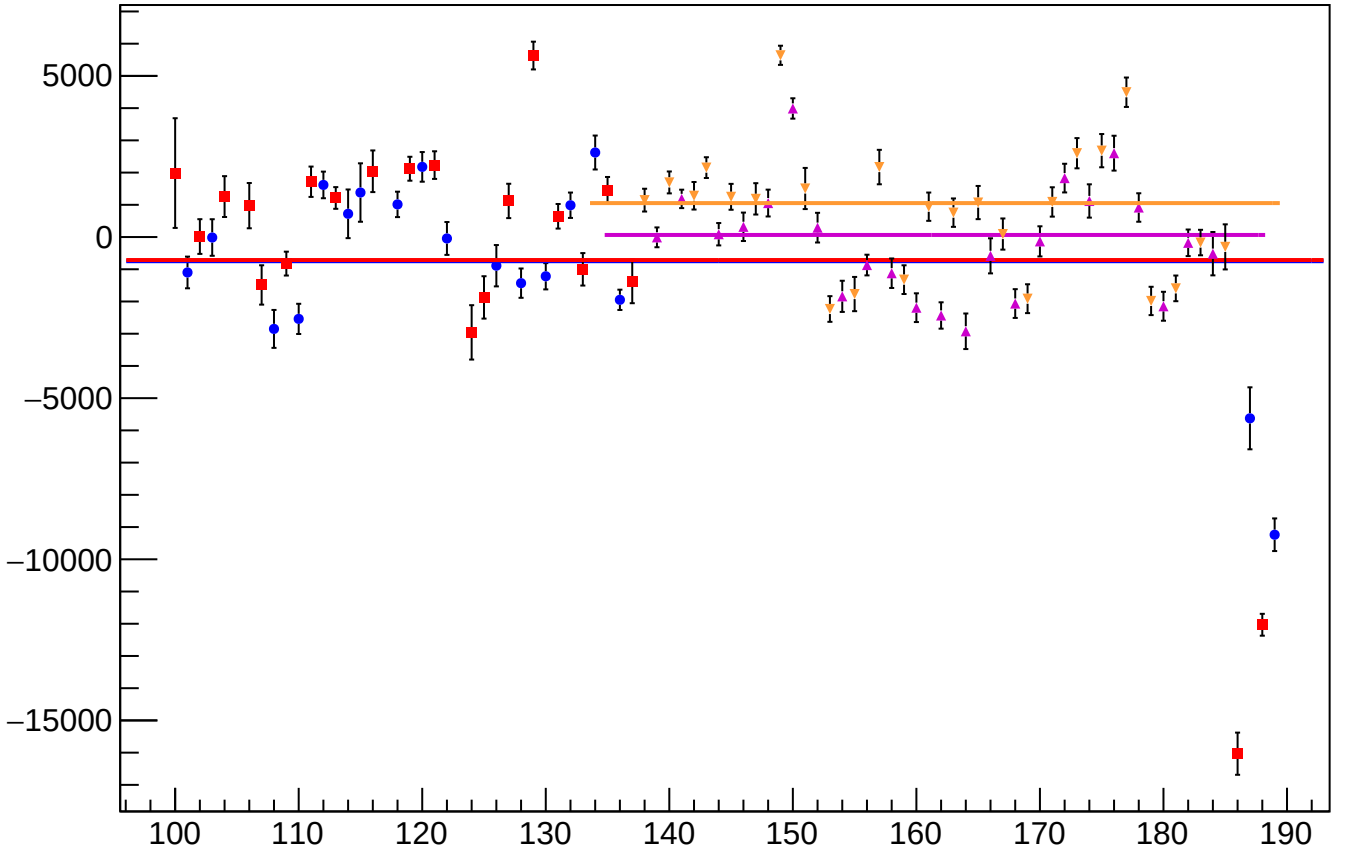
Left In: 229.103+/-0.039 χ^2/NDF:1068960.6/22

+ sign 233.543+/-0.033 χ^2/NDF: 1968560.2/42

All: 227.149+/-0.023 χ^2/NDF: 4594569.1/86

- sign 221.278+/-0.031 χ^2/NDF: 2552061.7/43

asym_bpm0l02WS_mean vs Slug



Right In: -749.950+/-114.009 χ^2/NDF: 519.1/17

Left Out: 1053.354+/-85.895 χ^2/NDF:614.6/24

Right Out: -713.279+/-105.888 χ^2/NDF: 2146.1/20

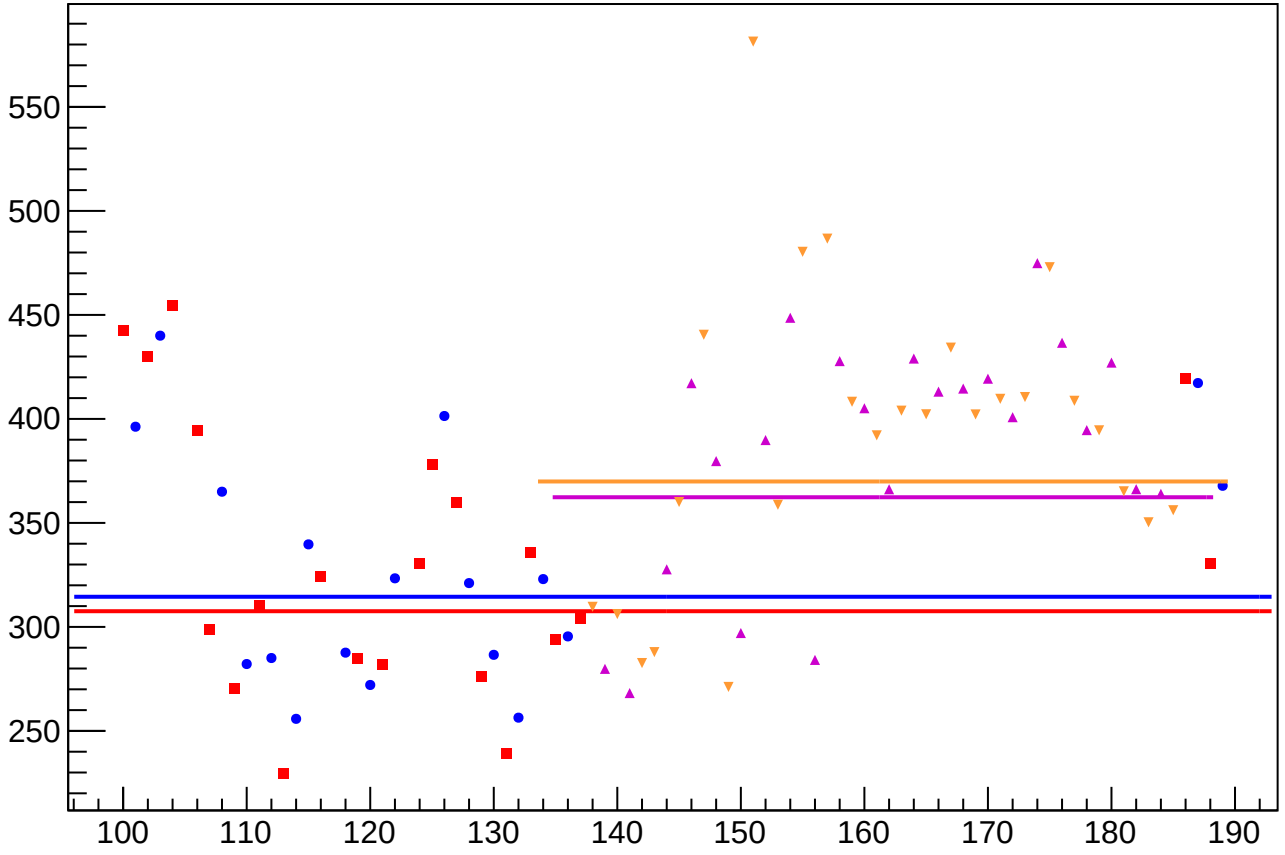
Left In: 64.646+/-86.660 χ^2/NDF:394.4/22

+ sign 400.392+/-68.604 χ^2/NDF: 1293.3/42

All: 69.141+/-47.956 χ^2/NDF: 3911.8/86

- sign -247.399+/-67.063 χ^2/NDF: 2572.8/43

asym_bpm0l02WS_rms vs Slug



Right In: 314.495+/-0.081 χ^2/NDF: 371123.0/17

Left Out: 369.923+/-0.061 χ^2/NDF:1230300.9/24

Right Out: 307.548+/-0.075 χ^2/NDF: 593258.3/20

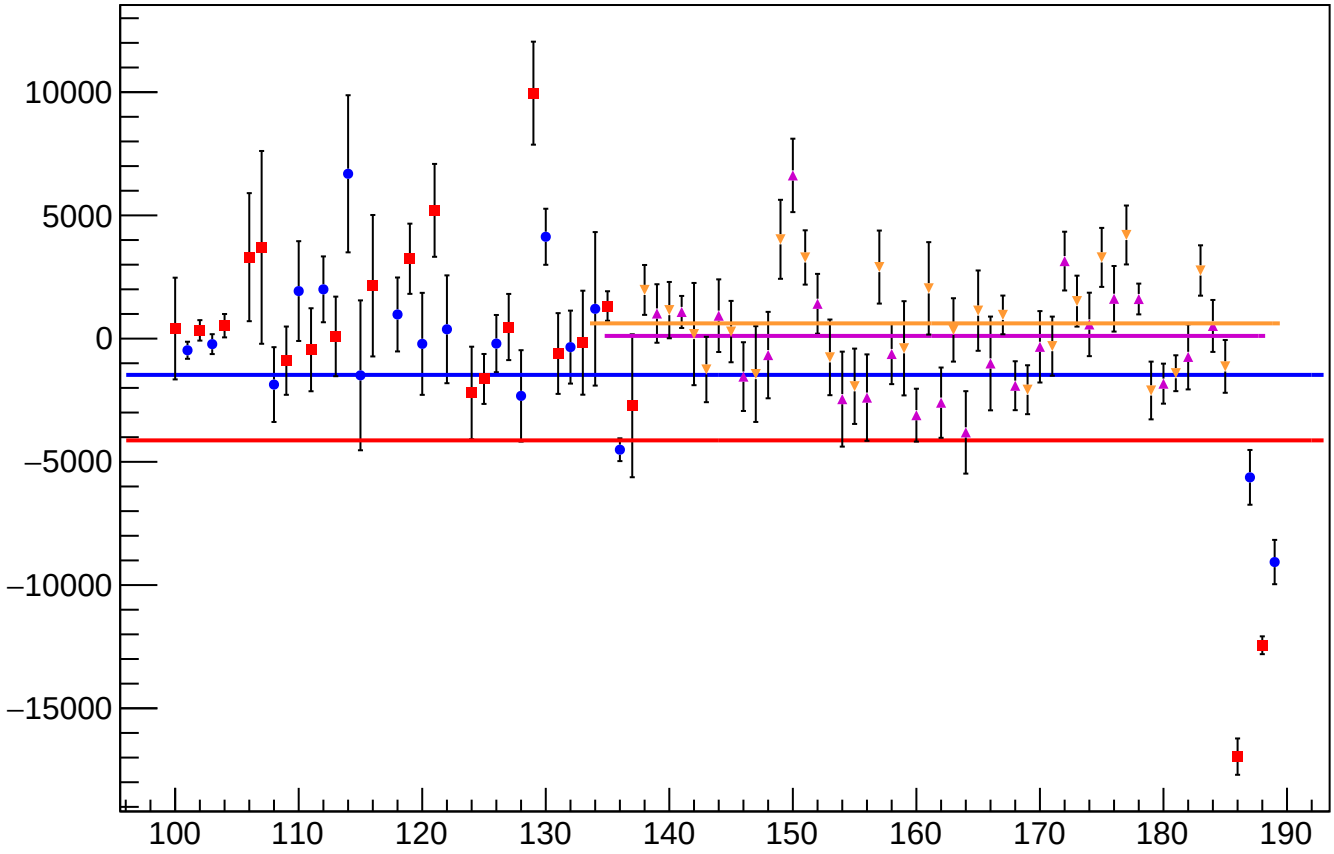
Left In: 362.341+/-0.061 χ^2/NDF:1053395.6/22

\+ sign 349.853+/-0.049 χ^2/NDF: 1902982.8/42

All: 345.000+/-0.034 χ^2/NDF: 3889935.8/86

\- sign 340.362+/-0.047 χ^2/NDF: 1967377.7/43

asym_bpm0l03WS_mean vs Slug



Right In: -1471.950+/-196.462 χ^2/NDF: 193.4/17

Left Out: 618.538+/-238.150 χ^2/NDF:65.7/24

Right Out: -4129.309+/-189.355 χ^2/NDF: 1289.3/20

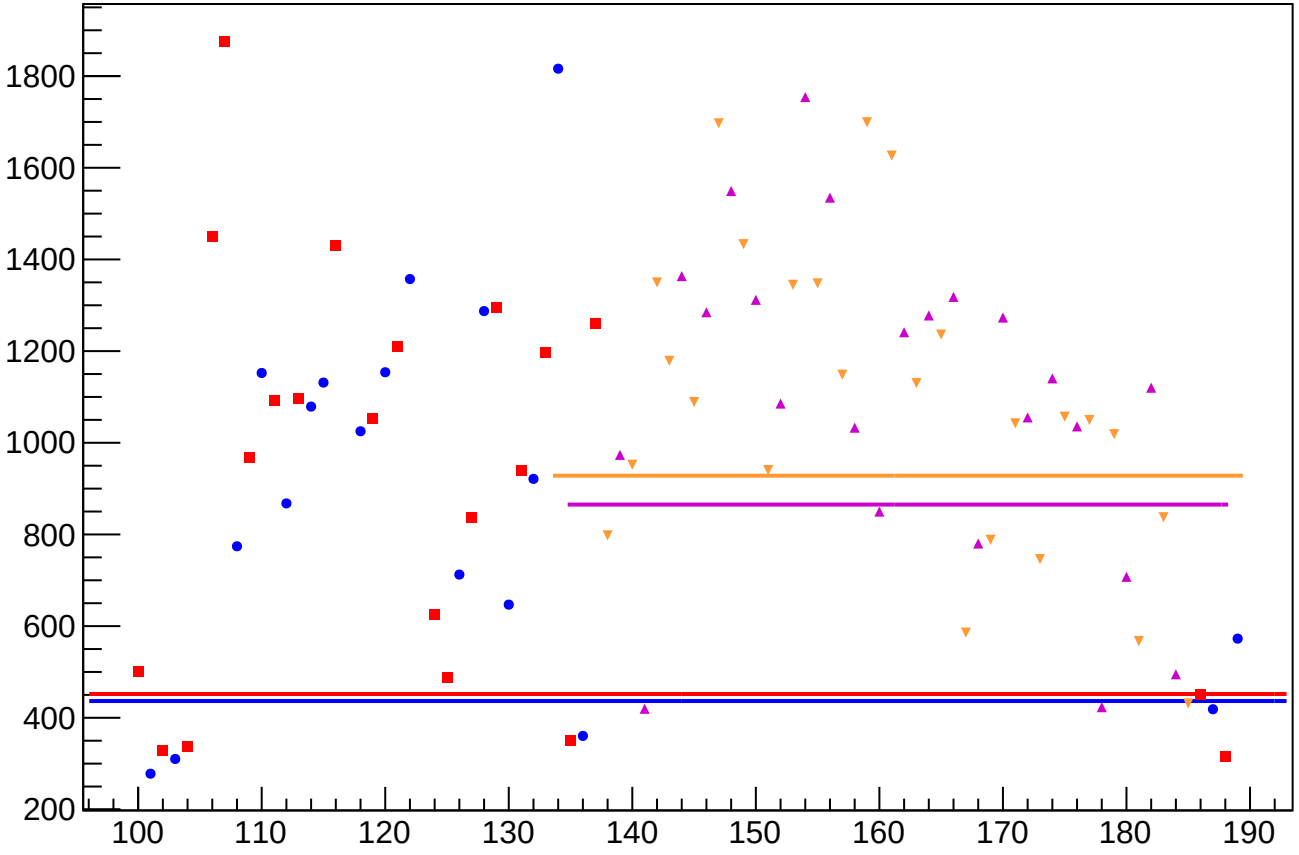
Left In: 109.519+/-237.827 χ^2/NDF:71.7/22

+ sign -625.400+/-151.549 χ^2/NDF: 305.0/42

All: -1576.253+/-105.934 χ^2/NDF: 1937.4/86

- sign -2484.765+/-148.136 χ^2/NDF: 1555.4/43

asym_bpm0l03WS_rms vs Slug



Right In: 436.567+/-0.139 χ^2/NDF: 3570268.3/17

Left Out: 928.240+/-0.168 χ^2/NDF:3294716.2/24

Right Out: 451.873+/-0.134 χ^2/NDF: 4083486.8/20

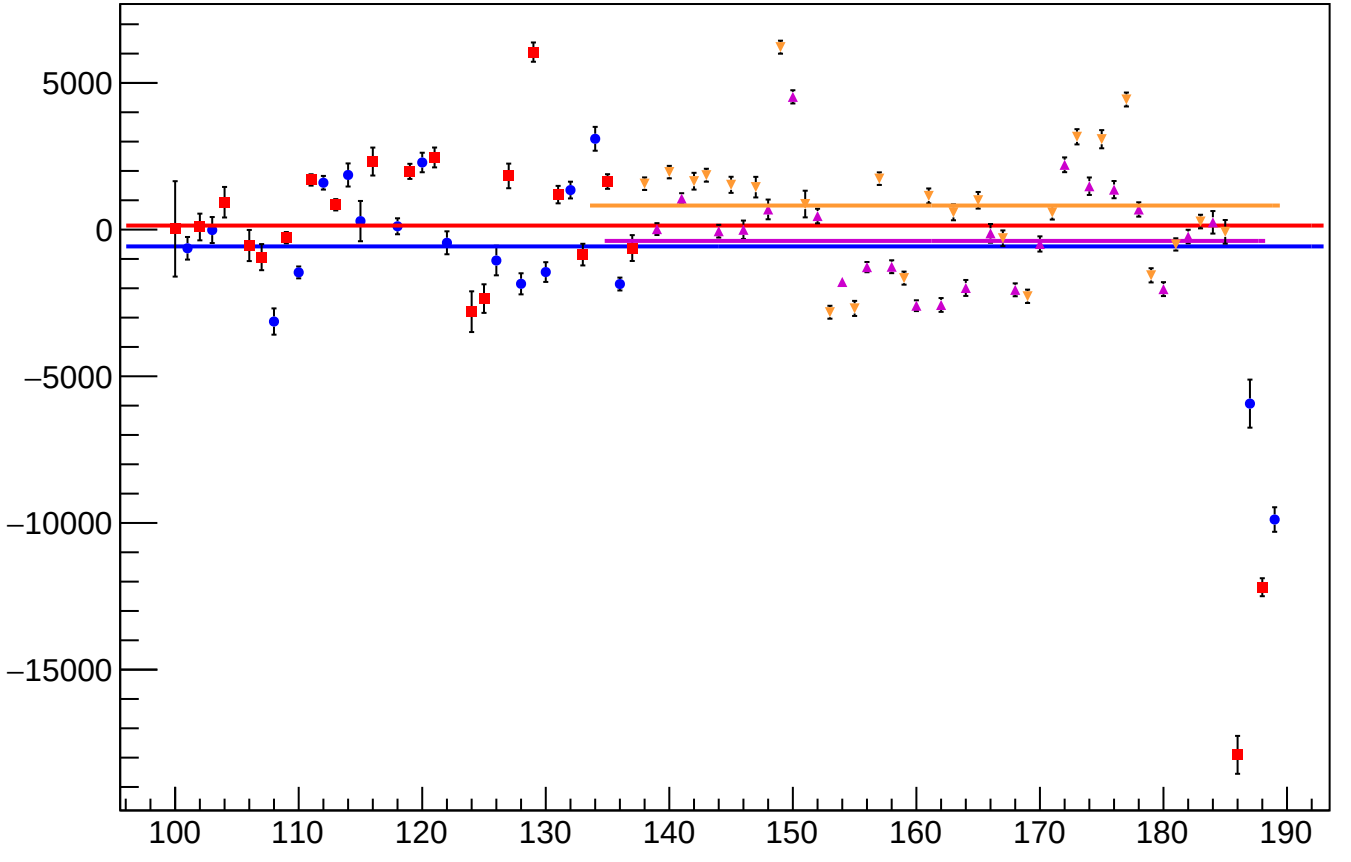
Left In: 865.223+/-0.168 χ^2/NDF:4792678.4/22

+ sign 635.672+/-0.107 χ^2/NDF: 11937604.5/42

All: 623.689+/-0.075 χ^2/NDF: 24535775.2/86

- sign 612.241+/-0.105 χ^2/NDF: 12573722.8/43

asym_bpm0l04WS_mean vs Slug



Right In: -572.839+/-78.091 χ^2/NDF: 979.0/17

Left Out: 820.821+/-49.996 χ^2/NDF:1990.8/24

Right Out: 137.928+/-70.642 χ^2/NDF: 3054.0/20

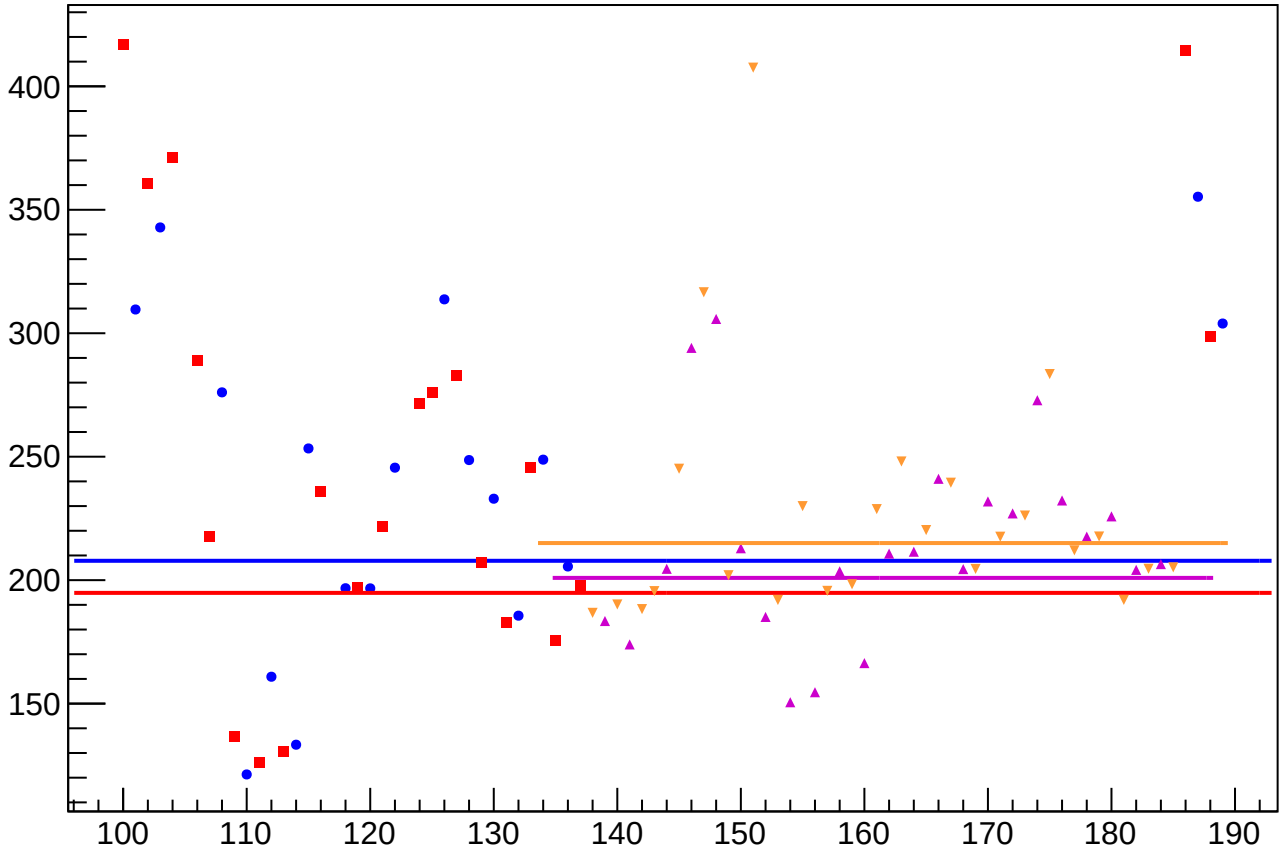
Left In: -385.002+/-48.455 χ^2/NDF:1253.3/22

+ sign 415.647+/-42.106 χ^2/NDF: 3195.7/42

All: 82.414+/-28.984 χ^2/NDF: 7659.3/86

- sign -217.689+/-39.958 χ^2/NDF: 4344.6/43

asym_bpm0l04WS_rms vs Slug



Right In: 207.840+/-0.055 χ^2/NDF: 1249575.9/17

Left Out: 215.027+/-0.035 χ^2/NDF:897791.6/24

Right Out: 194.846+/-0.050 χ^2/NDF: 1971155.3/20

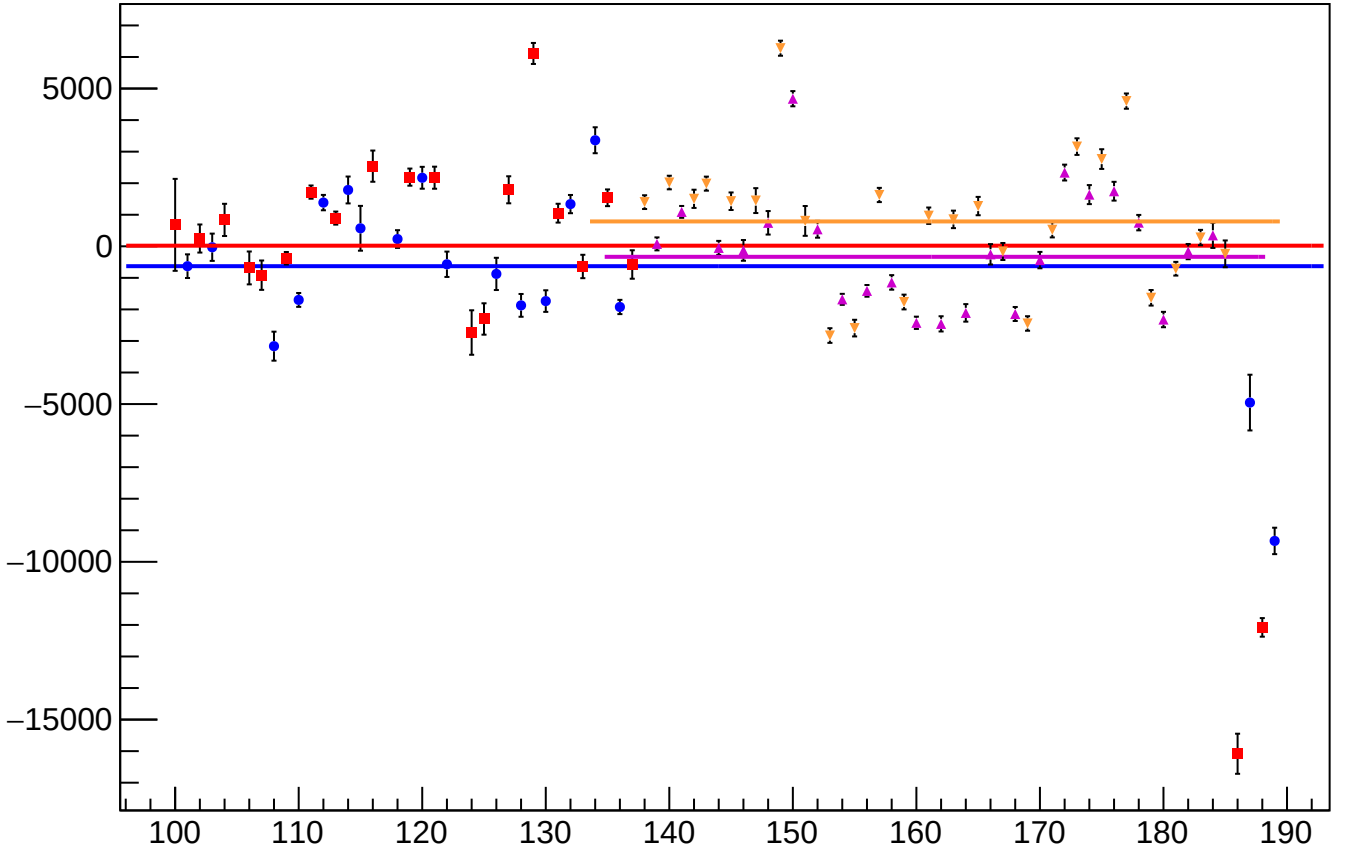
Left In: 200.917+/-0.034 χ^2/NDF:1105842.5/22

+ sign 212.938+/-0.030 χ^2/NDF: 2159380.6/42

All: 205.591+/-0.020 χ^2/NDF: 5362146.2/86

- sign 198.974+/-0.028 χ^2/NDF: 3087043.1/43

asym_bpm0l05WS_mean vs Slug



Right In: -630.108+/-80.596 χ^2/NDF: 886.4/17

Left Out: 788.110+/-51.424 χ^2/NDF:1890.2/24

Right Out: 19.471+/-73.076 χ^2/NDF: 2990.7/20

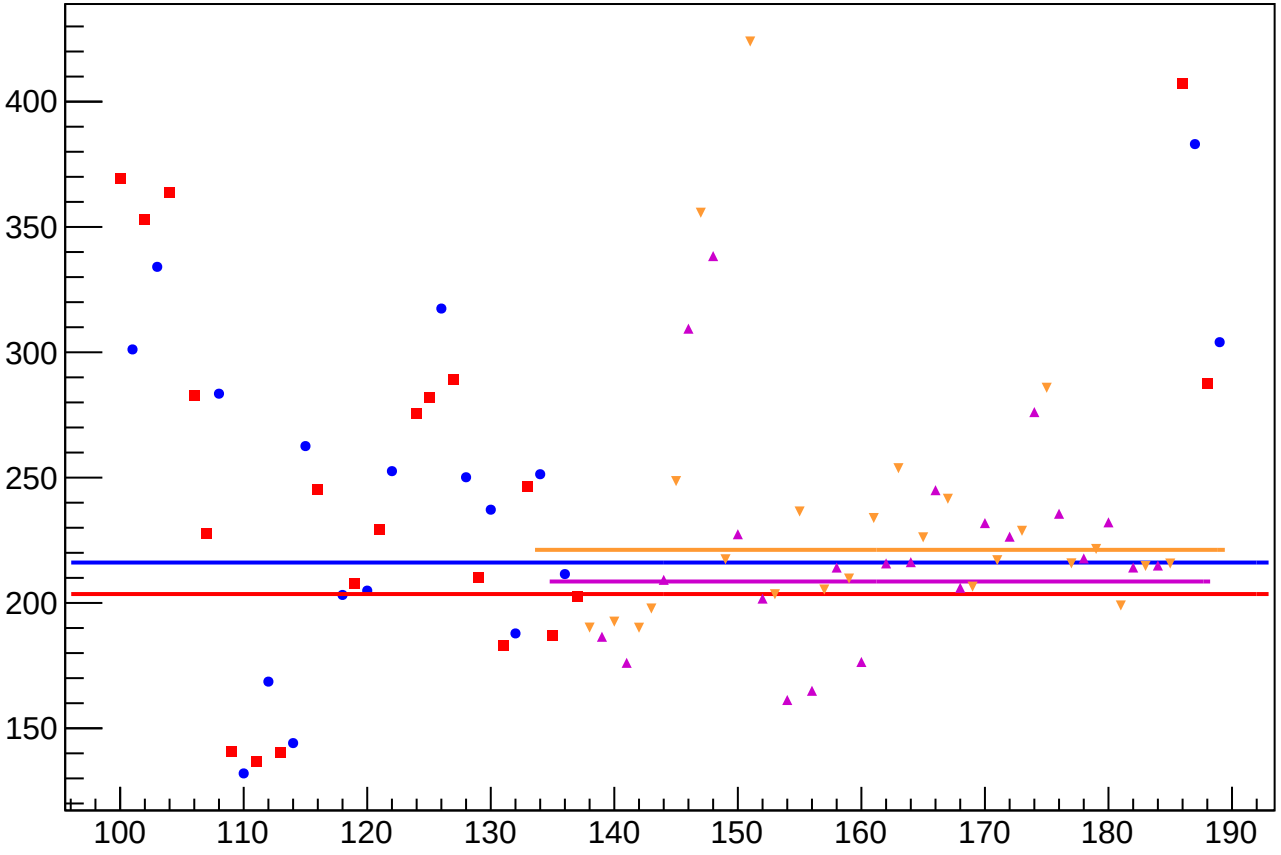
Left In: -333.303+/-50.194 χ^2/NDF:1215.2/22

+ sign 377.790+/-43.352 χ^2/NDF: 2996.7/42

All: 64.837+/-29.931 χ^2/NDF: 7318.0/86

- sign -220.217+/-41.374 χ^2/NDF: 4221.8/43

asym_bpm0l05WS_rms vs Slug



Right In: 216.122+/-0.057 χ^2/NDF: 1050954.6/17

Left Out: 221.185+/-0.036 χ^2/NDF:939520.0/24

Right Out: 203.552+/-0.052 χ^2/NDF: 1677571.4/20

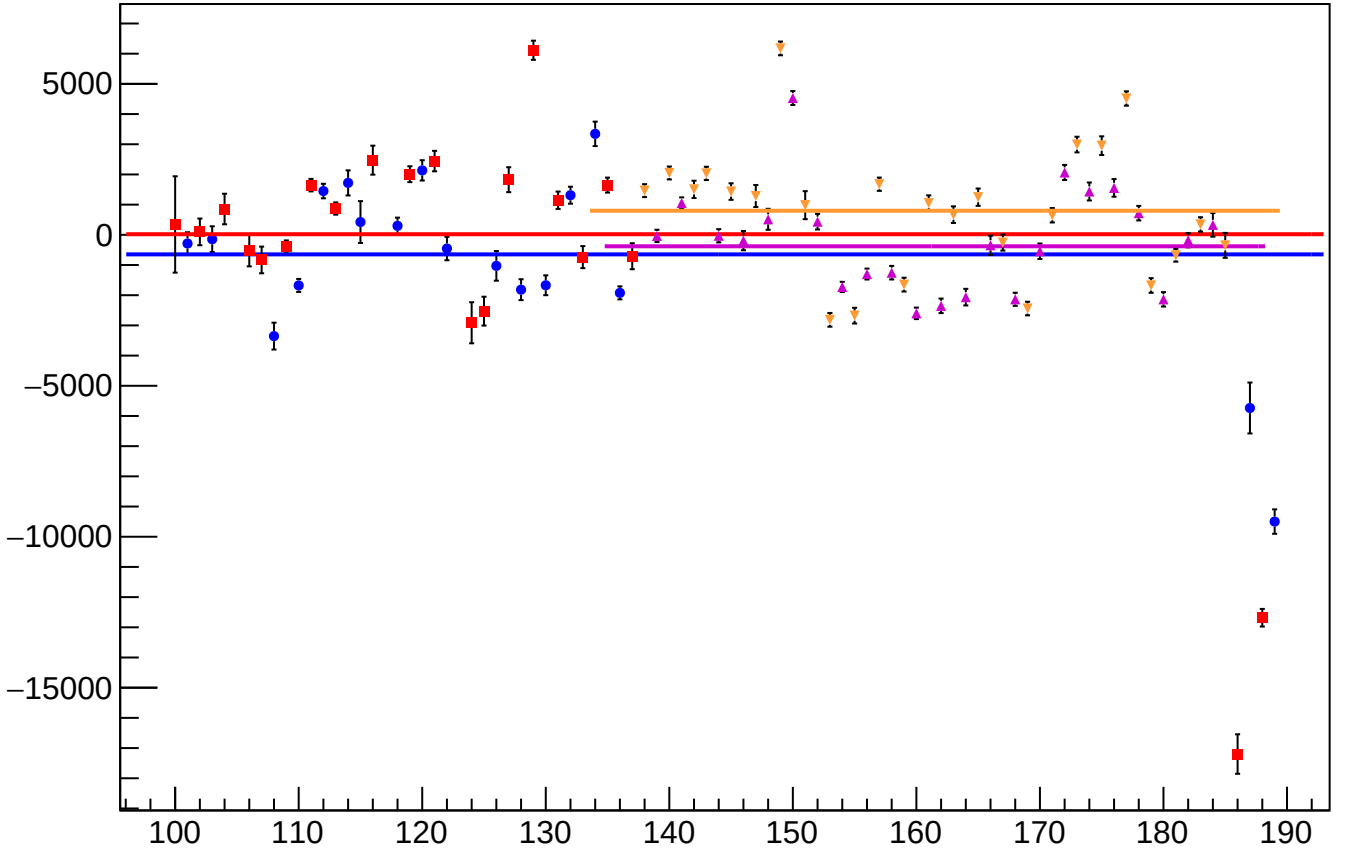
Left In: 208.556+/-0.035 χ^2/NDF:1035638.0/22

+ sign 219.720+/-0.031 χ^2/NDF: 1996084.7/42

All: 213.038+/-0.021 χ^2/NDF: 4806461.9/86

- sign 206.952+/-0.029 χ^2/NDF: 2719582.2/43

asym_bpm0l06WS_mean vs Slug



Right In: -647.554+/-78.352 χ^2/NDF: 970.4/17

Left Out: 797.475+/-50.495 χ^2/NDF:1960.8/24

Right Out: 20.465+/-70.731 χ^2/NDF: 3315.4/20

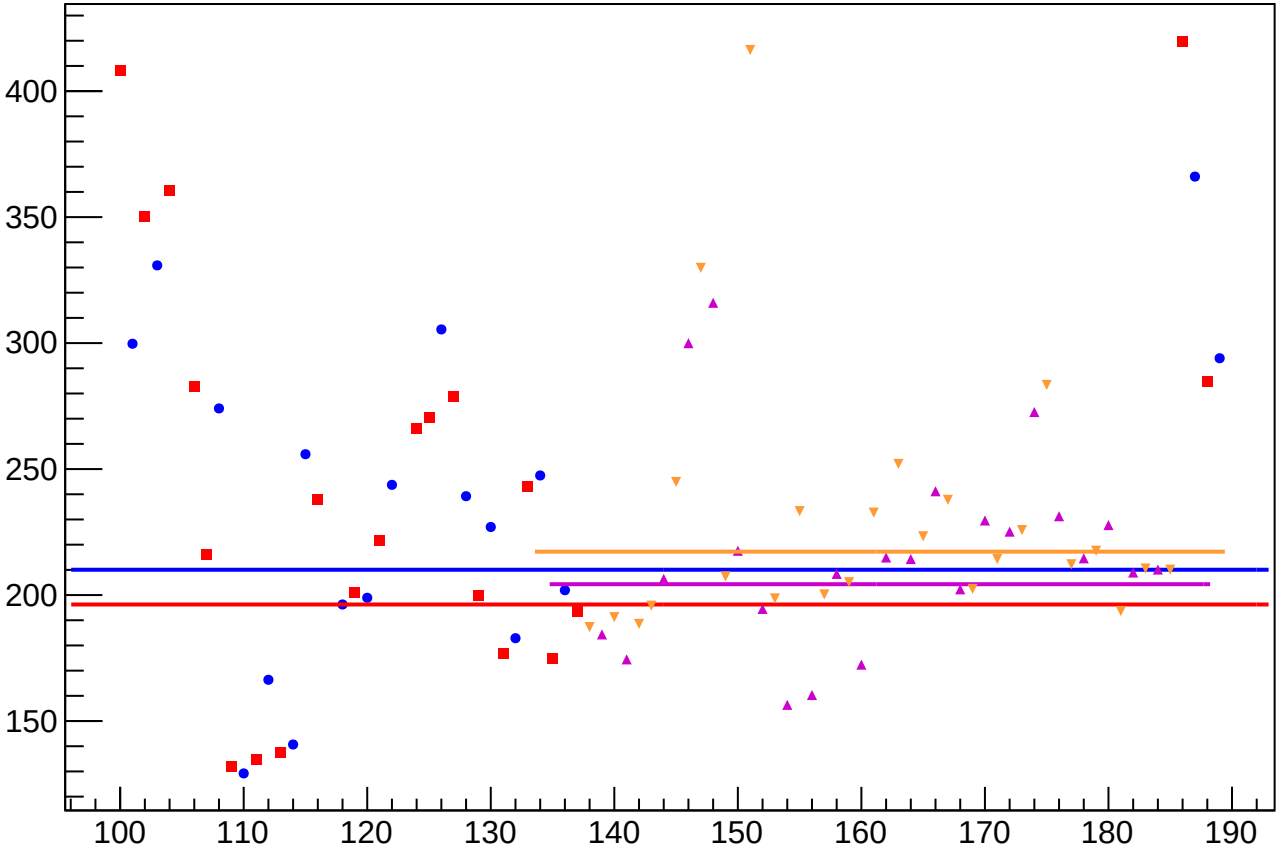
Left In: -379.578+/-49.183 χ^2/NDF:1201.2/22

+ sign 373.430+/-42.444 χ^2/NDF: 3171.5/42

All: 46.613+/-29.256 χ^2/NDF: 7822.7/86

- sign -249.191+/-40.380 χ^2/NDF: 4538.2/43

asym_bpm0l06WS_rms vs Slug



Right In: 210.048+/-0.055 χ^2/NDF: 1038690.8/17

Left Out: 217.224+/-0.036 χ^2/NDF:910445.0/24

Right Out: 196.257+/-0.050 χ^2/NDF: 1780611.5/20

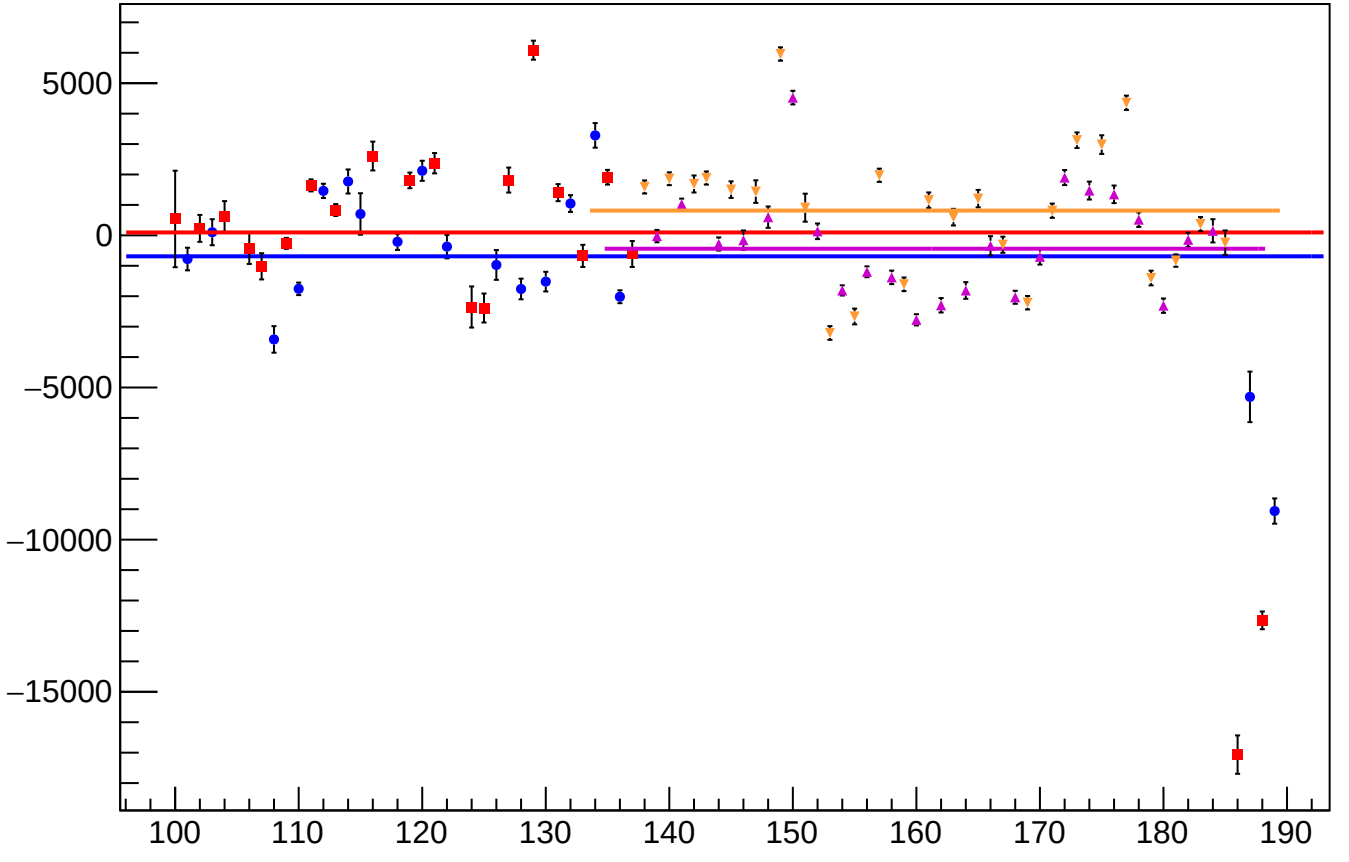
Left In: 204.308+/-0.035 χ^2/NDF:1015049.0/22

+ sign 215.119+/-0.030 χ^2/NDF: 1960989.5/42

All: 208.067+/-0.021 χ^2/NDF: 4879293.5/86

- sign 201.684+/-0.029 χ^2/NDF: 2813127.3/43

asym_bpm0l07WS_mean vs Slug



Right In: -689.069+/-76.864 χ^2/NDF: 902.5/17

Left Out: 814.275+/-49.760 χ^2/NDF:2000.4/24

Right Out: 95.986+/-69.054 χ^2/NDF: 3377.0/20

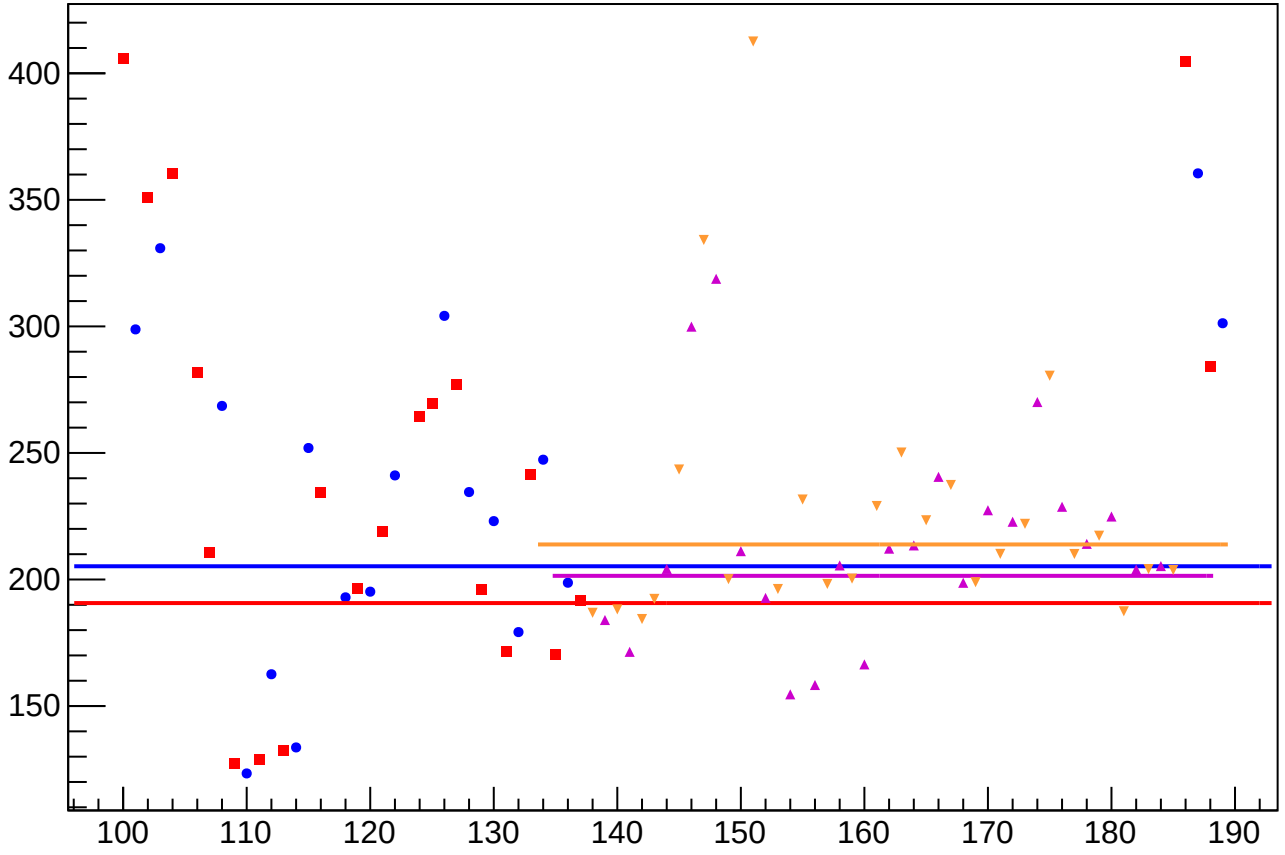
Left In: -439.674+/-48.535 χ^2/NDF:1235.0/22

+ sign 370.304+/-41.771 χ^2/NDF: 3172.5/42

All: 37.866+/-28.780 χ^2/NDF: 7945.3/86

- sign -262.553+/-39.708 χ^2/NDF: 4652.2/43

asym_bpm0l07WS_rms vs Slug



Right In: 205.230+/-0.054 χ^2/NDF: 1143505.1/17

Left Out: 213.848+/-0.035 χ^2/NDF:963582.3/24

Right Out: 190.687+/-0.049 χ^2/NDF: 1910019.9/20

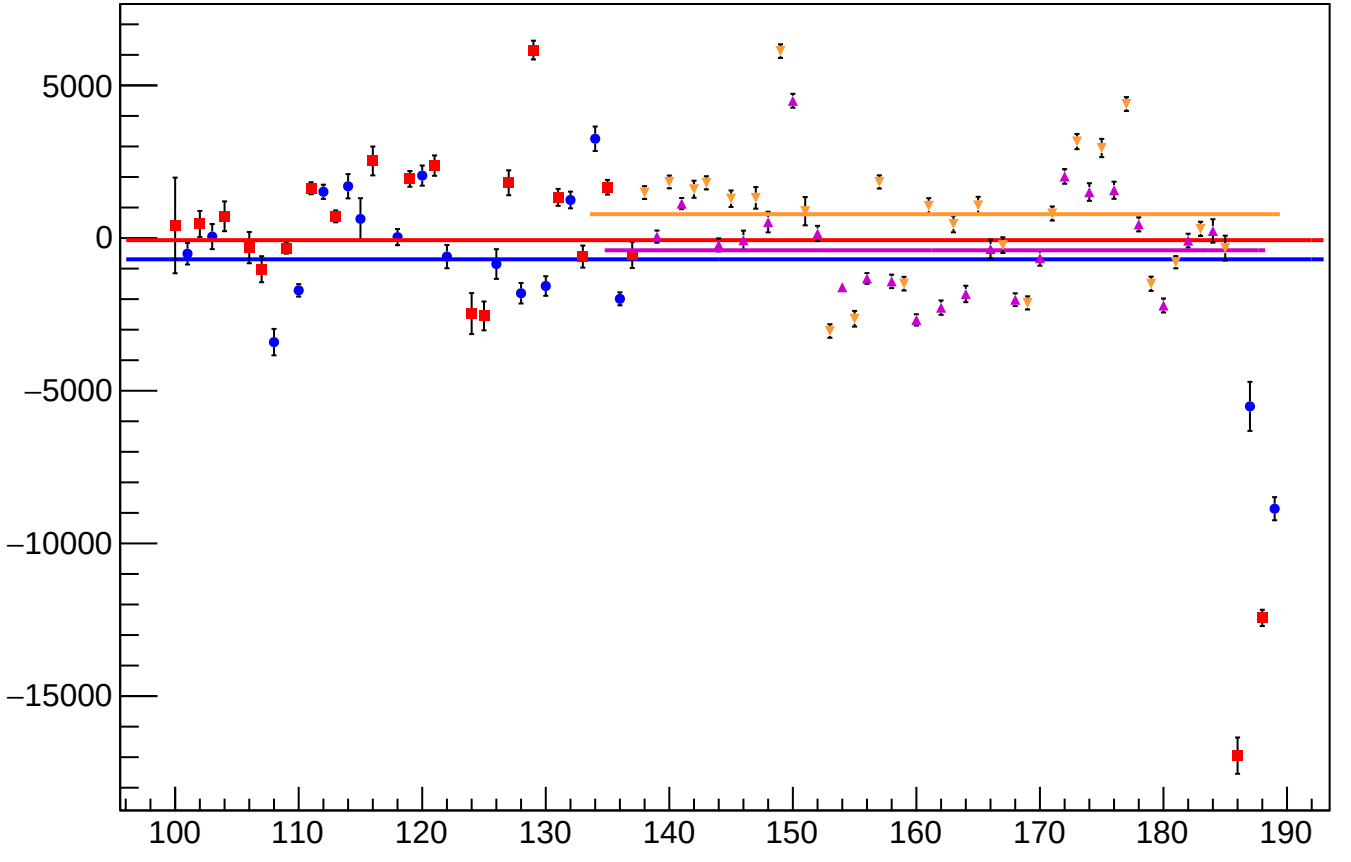
Left In: 201.446+/-0.034 χ^2/NDF:1061972.3/22

+ sign 211.303+/-0.030 χ^2/NDF: 2124805.6/42

All: 204.256+/-0.020 χ^2/NDF: 5237649.1/86

- sign 197.888+/-0.028 χ^2/NDF: 3004486.4/43

asym_bpm0l08WS_mean vs Slug



Right In: -696.069+/-75.932 χ^2/NDF: 977.9/17

Left Out: 782.388+/-49.199 χ^2/NDF:2001.3/24

Right Out: -68.222+/-67.998 χ^2/NDF: 3760.3/20

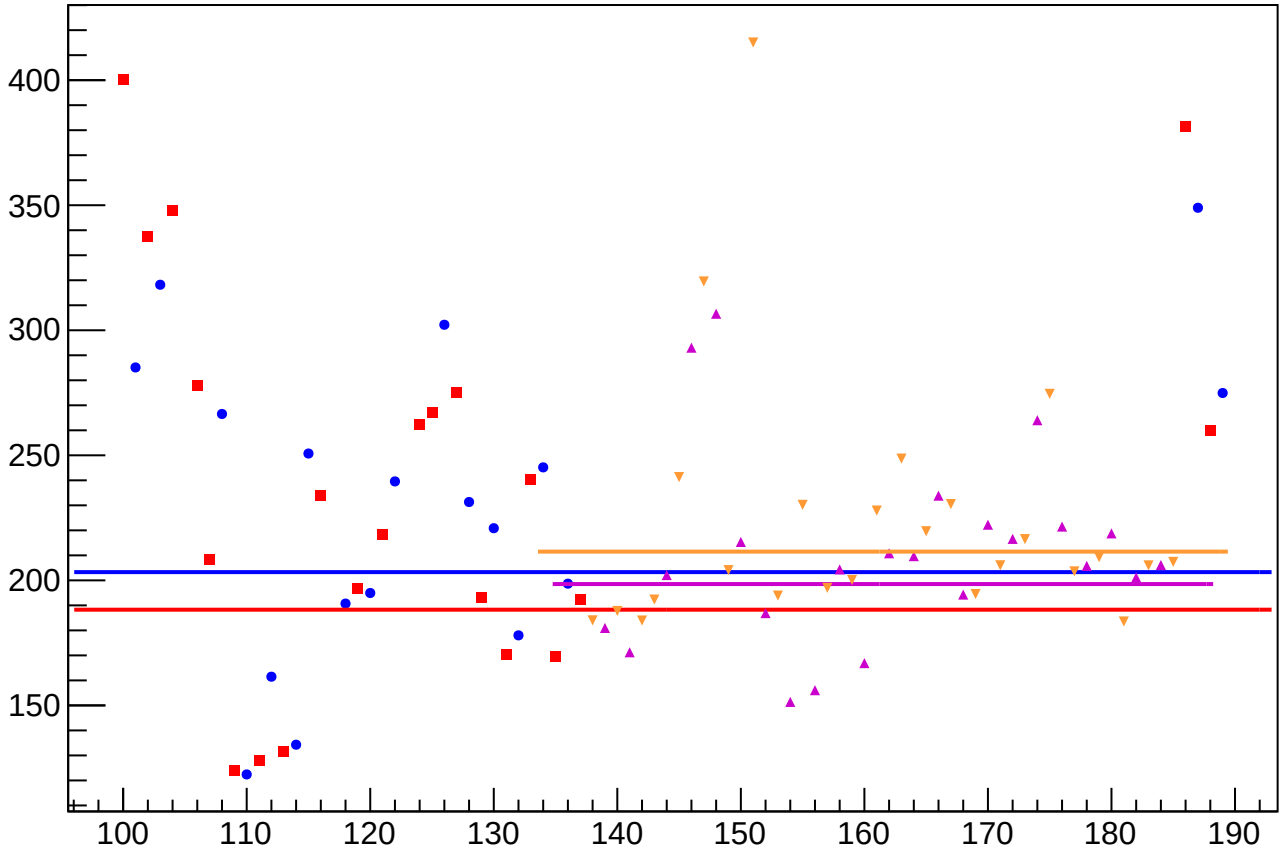
Left In: -399.798+/-47.819 χ^2/NDF:1232.0/22

+ sign 345.229+/-41.290 χ^2/NDF: 3246.1/42

All: 10.406+/-28.396 χ^2/NDF: 8379.2/86

- sign -290.080+/-39.115 χ^2/NDF: 5008.3/43

asym_bpm0l08WS_rms vs Slug



Right In: 203.297+/-0.054 χ^2/NDF: 1056343.0/17

Left Out: 211.496+/-0.035 χ^2/NDF:934978.4/24

Right Out: 188.276+/-0.048 χ^2/NDF: 1814484.2/20

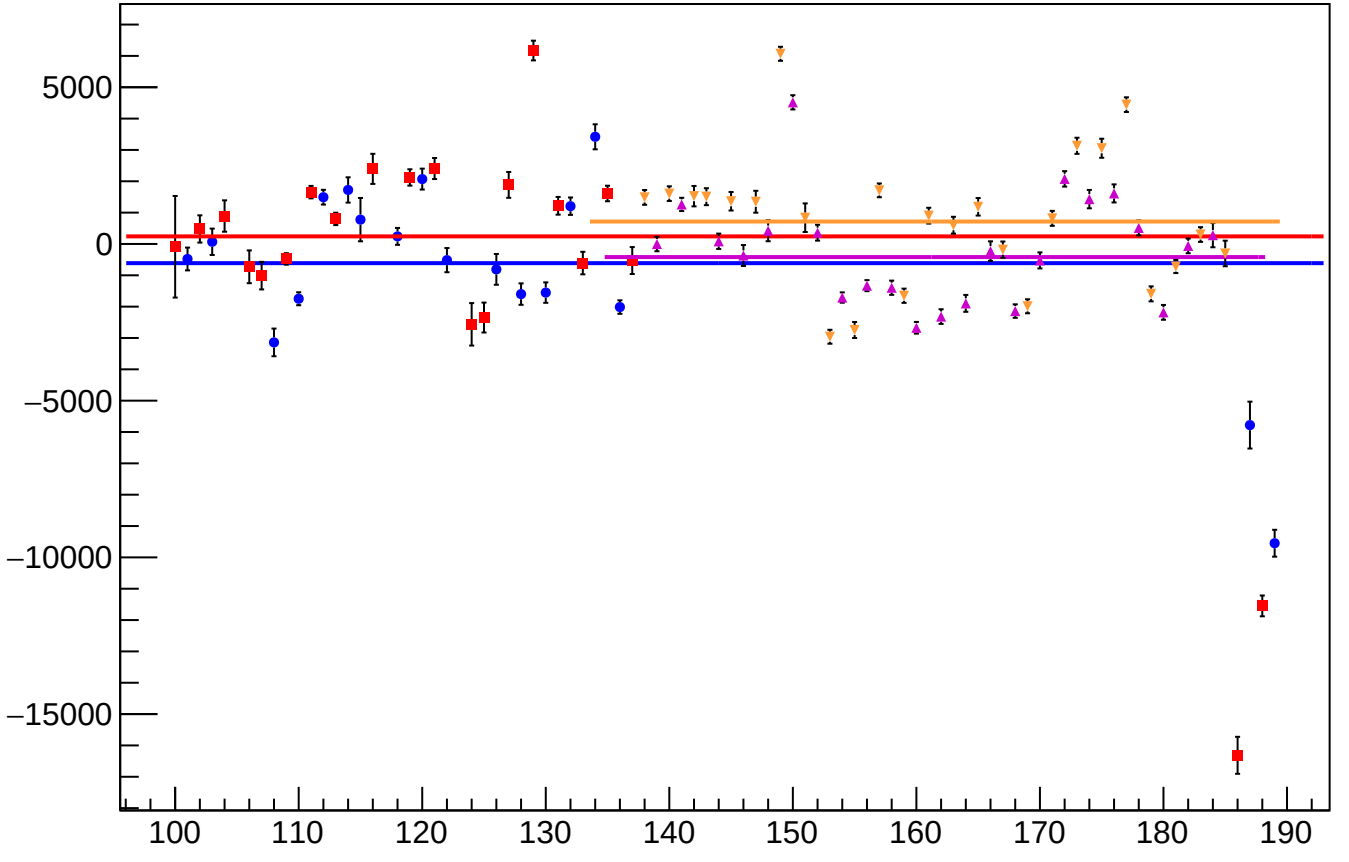
Left In: 198.524+/-0.034 χ^2/NDF:1006458.6/22

+ sign 209.071+/-0.029 χ^2/NDF: 2007743.7/42

All: 201.726+/-0.020 χ^2/NDF: 4979200.1/86

- sign 195.133+/-0.028 χ^2/NDF: 2851341.9/43

asym_bpm0l09WS_mean vs Slug



Right In: -612.521+/-77.252 χ^2/NDF: 944.1/17

Left Out: 715.643+/-51.110 χ^2/NDF:1918.0/24

Right Out: 241.385+/-70.041 χ^2/NDF: 2720.9/20

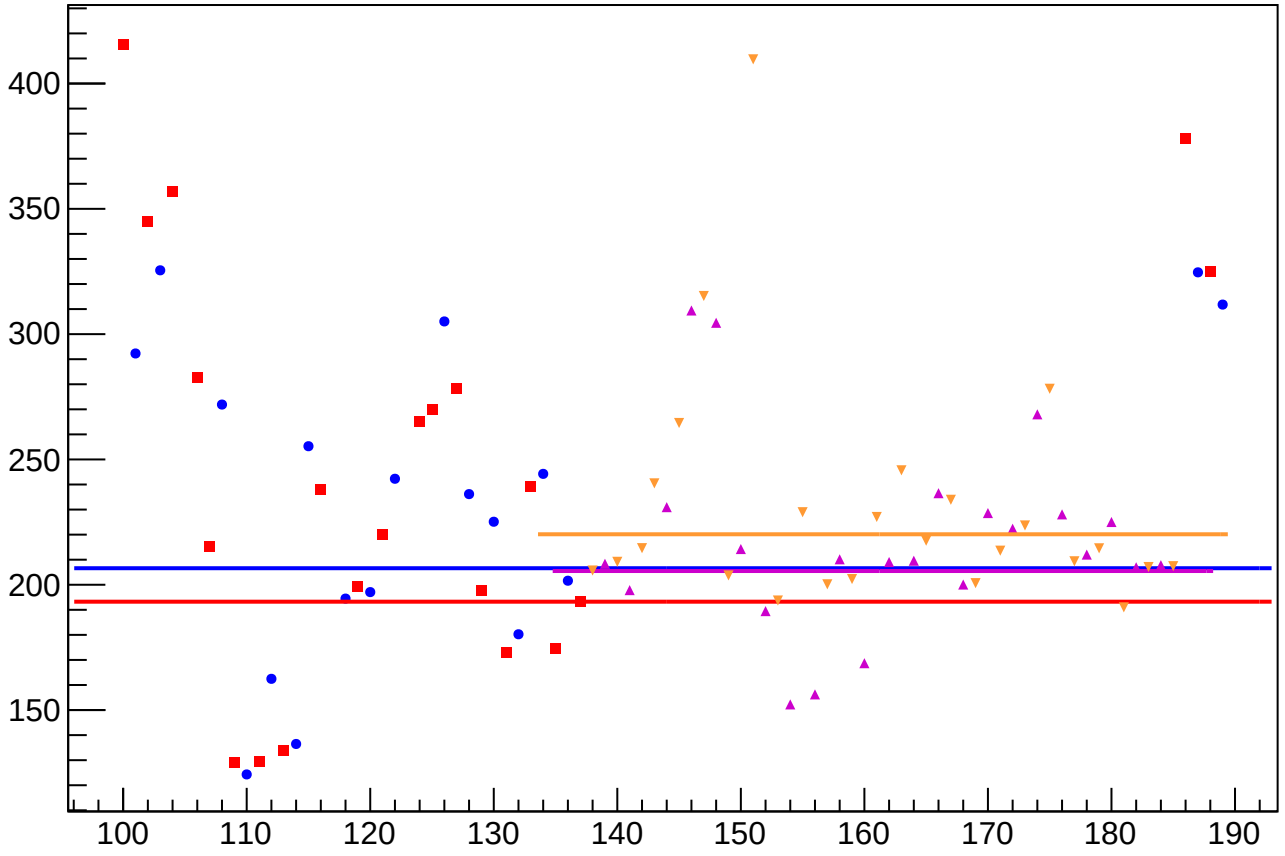
Left In: -418.574+/-49.523 χ^2/NDF:1241.0/22

+ sign 311.284+/-42.625 χ^2/NDF: 3067.7/42

All: 42.910+/-29.336 χ^2/NDF: 7164.0/86

- sign -198.609+/-40.437 χ^2/NDF: 4021.0/43

asym_bpm0l09WS_rms vs Slug



Right In: 206.599+/-0.055 χ^2/NDF: 1102089.3/17

Left Out: 220.145+/-0.036 χ^2/NDF:799699.4/24

Right Out: 193.242+/-0.050 χ^2/NDF: 1946105.2/20

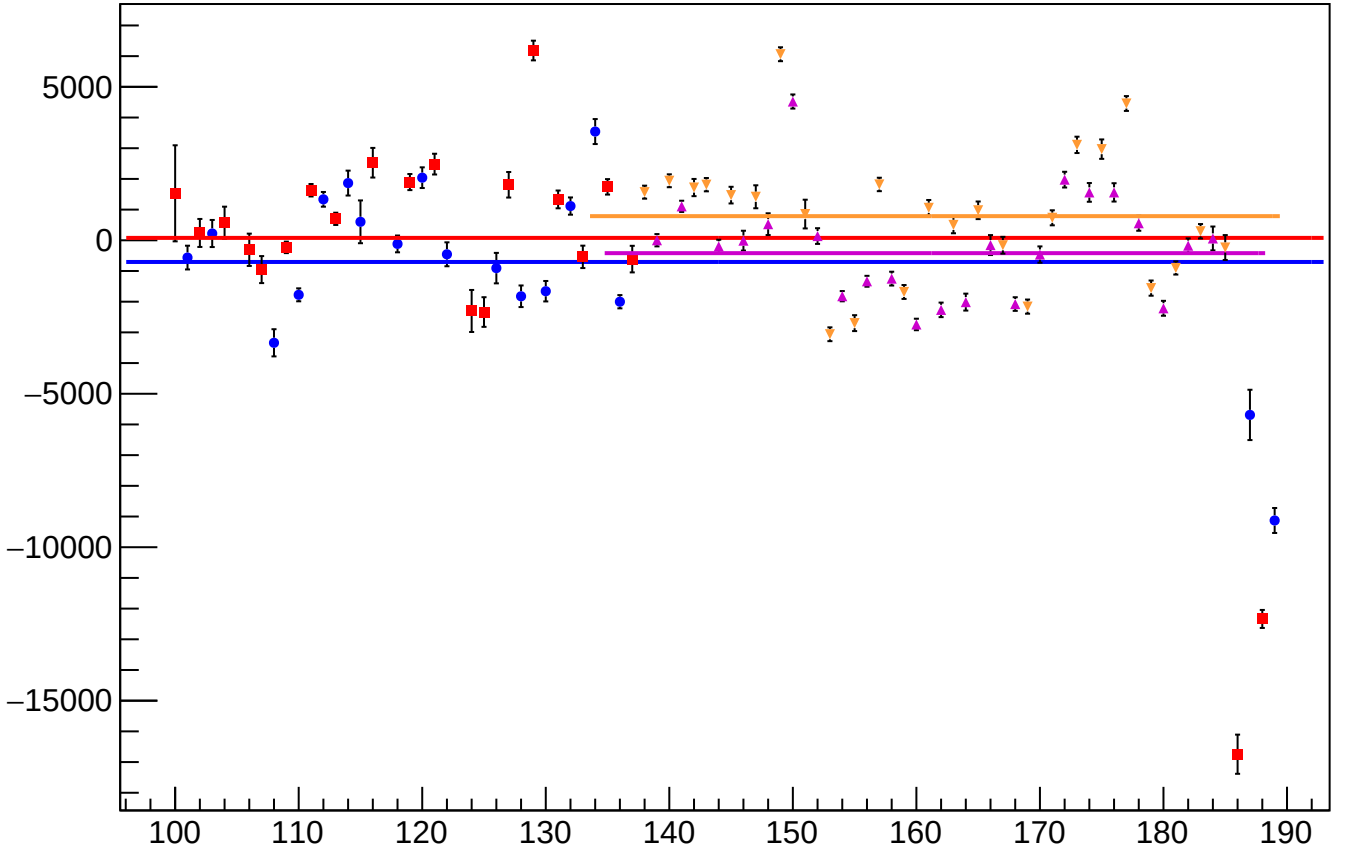
Left In: 205.481+/-0.035 χ^2/NDF:1013965.4/22

+ sign 216.021+/-0.030 χ^2/NDF: 1944562.7/42

All: 208.326+/-0.021 χ^2/NDF: 5069163.8/86

- sign 201.402+/-0.029 χ^2/NDF: 3000786.9/43

asym_bpm0l10WS_mean vs Slug



Right In: -705.952+/-78.481 χ^2/NDF: 923.9/17

Left Out: 786.922+/-50.524 χ^2/NDF:1937.6/24

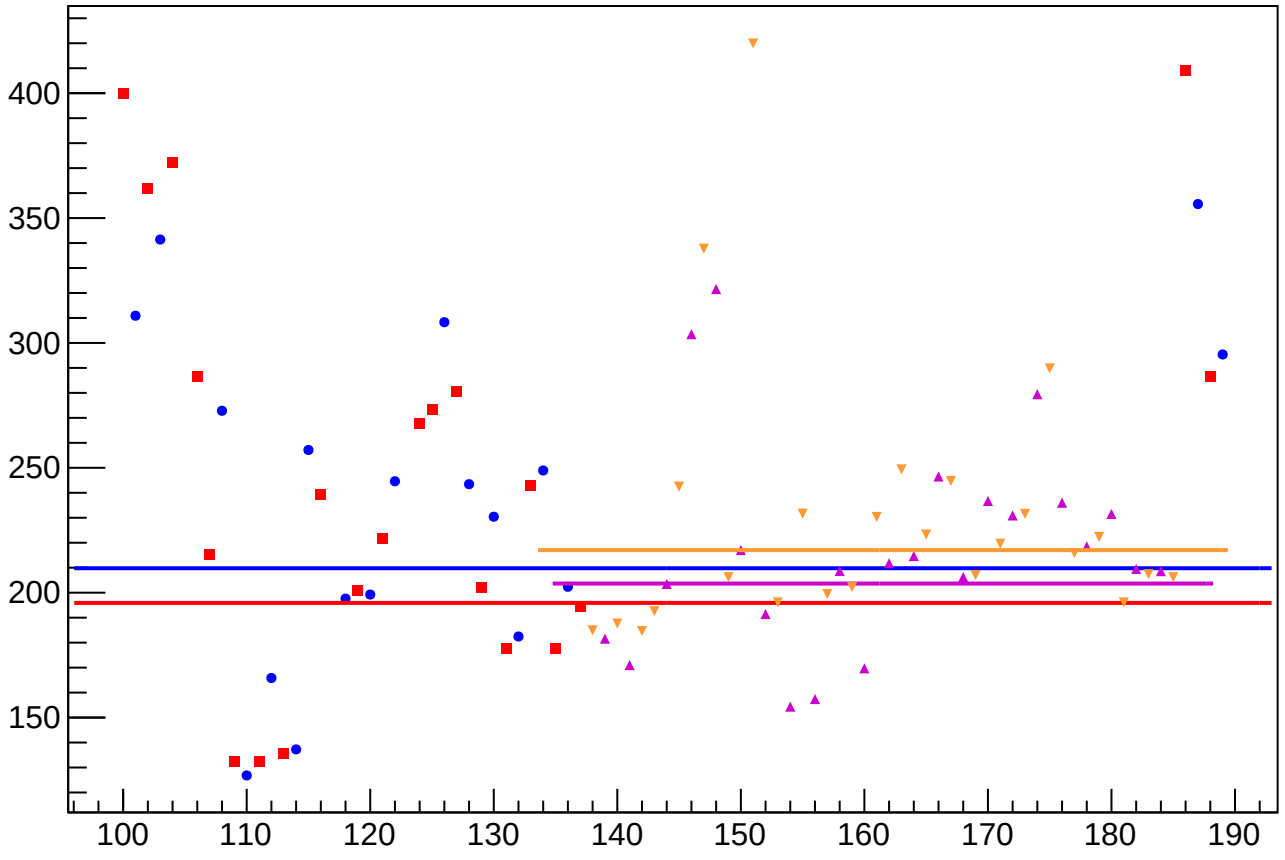
Right Out: 78.402+/-70.771 χ^2/NDF: 3172.4/20

Left In: -418.824+/-49.152 χ^2/NDF:1211.0/22

+ sign 349.500+/-42.482 χ^2/NDF: 3117.3/42

All: 30.788+/-29.264 χ^2/NDF: 7641.2/86

- sign -257.027+/-40.370 χ^2/NDF: 4416.7/43



Right In: 209.795+/-0.055 χ^2/NDF: 1121840.1/17

Left Out: 217.040+/-0.036 χ^2/NDF:983170.6/24

Right Out: 195.911+/-0.050 χ^2/NDF: 1850597.4/20

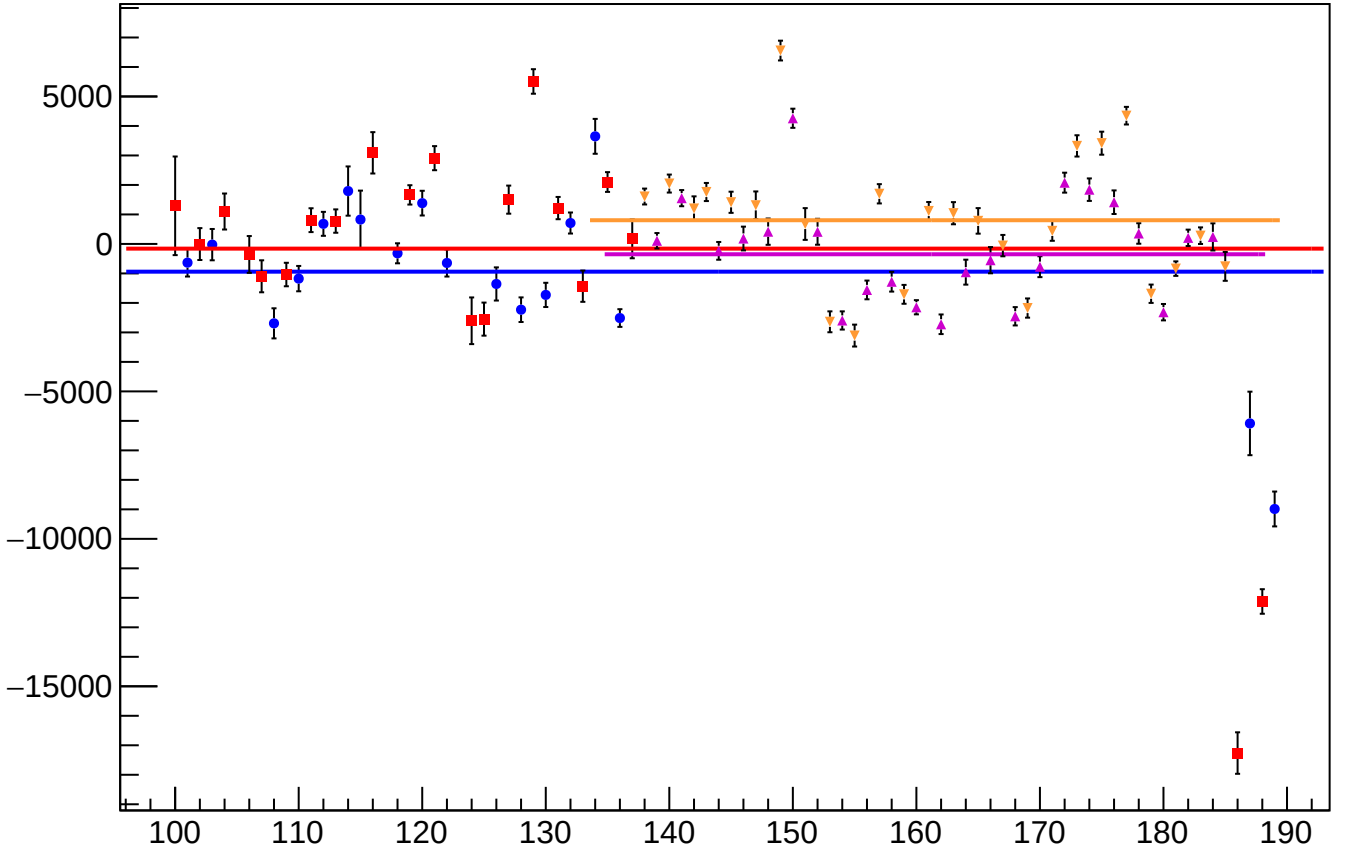
Left In: 203.660+/-0.035 χ^2/NDF:1165334.8/22

+ sign 214.917+/-0.030 χ^2/NDF: 2117061.4/42

All: 207.677+/-0.021 χ^2/NDF: 5259719.4/86

- sign 201.139+/-0.029 χ^2/NDF: 3032106.0/43

asym_bpm0r03WS_mean vs Slug



Right In: -940.461+/-108.250 χ^2/NDF: 411.0/17

Left Out: 803.752+/-67.693 χ^2/NDF:1057.7/24

Right Out: -159.238+/-103.637 χ^2/NDF: 1840.1/20

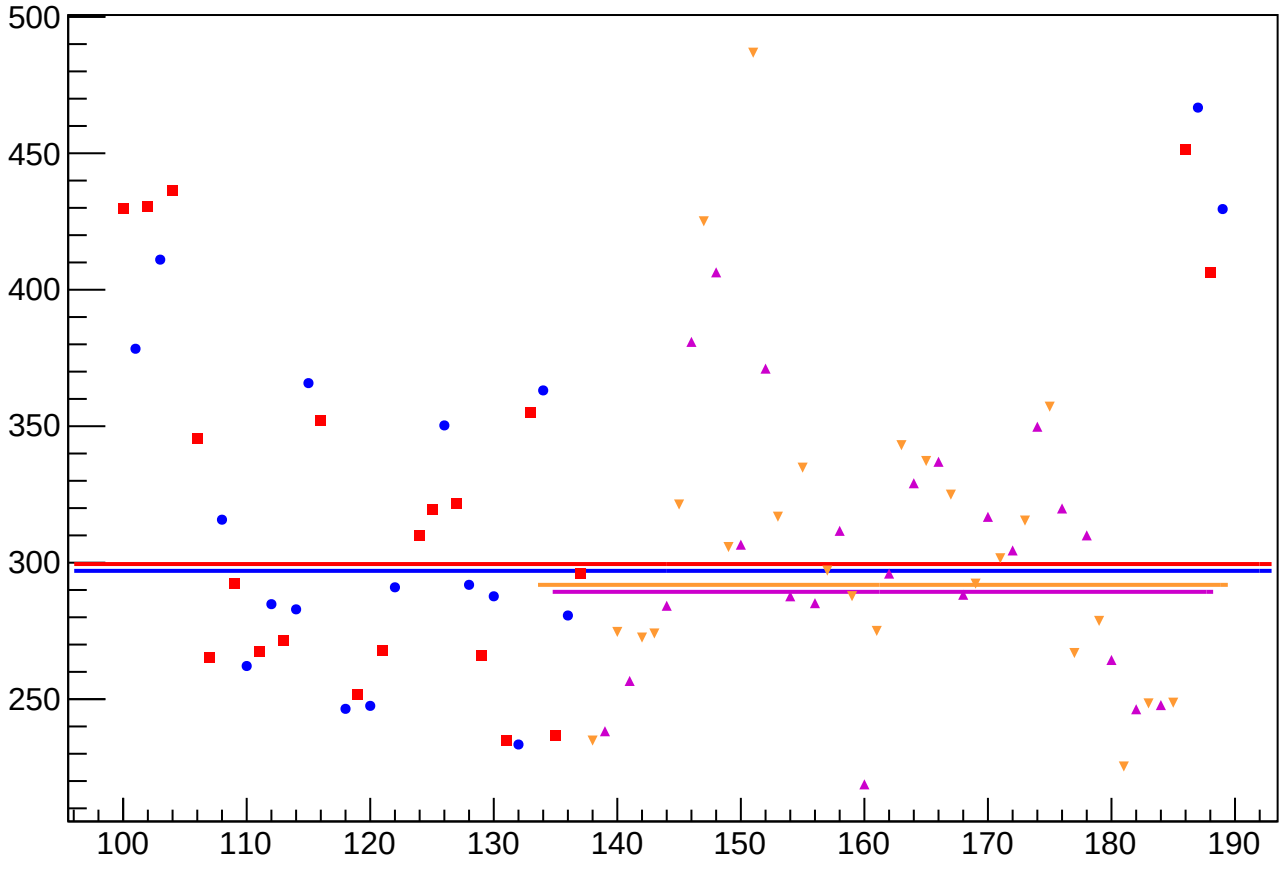
Left In: -350.095+/-68.985 χ^2/NDF:656.1/22

+ sign 313.422+/-57.395 χ^2/NDF: 1655.3/42

All: 11.128+/-40.595 χ^2/NDF: 4209.3/86

- sign -291.495+/-57.426 χ^2/NDF: 2498.5/43

asym_bpm0r03WS_rms vs Slug



Right In: 297.009+/-0.077 χ^2/NDF: 516849.9/17

Left Out: 291.882+/-0.048 χ^2/NDF:959919.3/24

Right Out: 299.505+/-0.073 χ^2/NDF: 733948.1/20

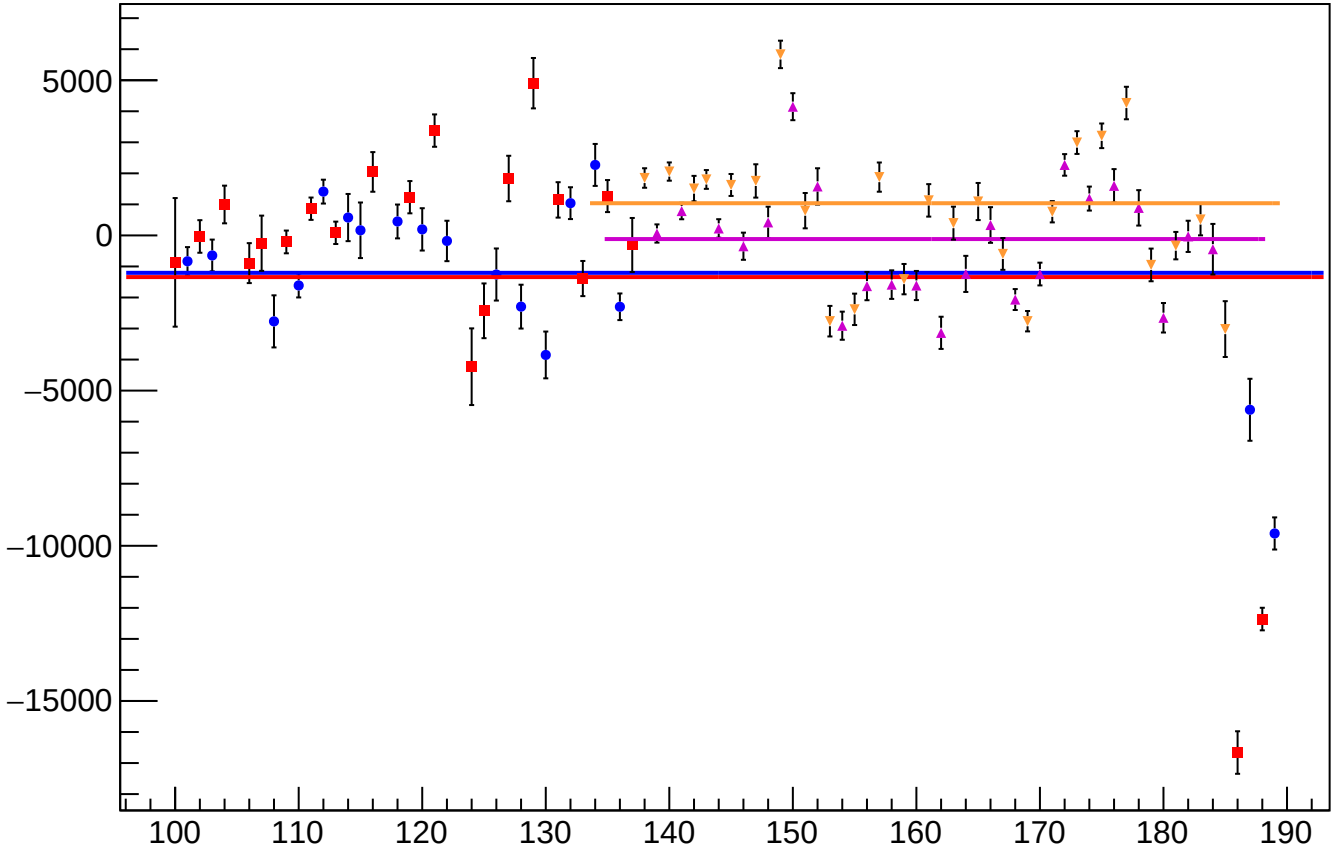
Left In: 289.321+/-0.049 χ^2/NDF:808605.3/22

+ sign 293.323+/-0.041 χ^2/NDF: 1479993.6/42

All: 292.886+/-0.029 χ^2/NDF: 3036162.7/86

- sign 292.448+/-0.041 χ^2/NDF: 1555936.5/43

asym_bpm0r05WS_mean vs Slug



Right In: -1205.285+/-133.974 χ^2/NDF: 426.1/17

Left Out: 1037.330+/-85.200 χ^2/NDF:570.2/24

Right Out: -1342.391+/-120.186 χ^2/NDF: 1770.2/20

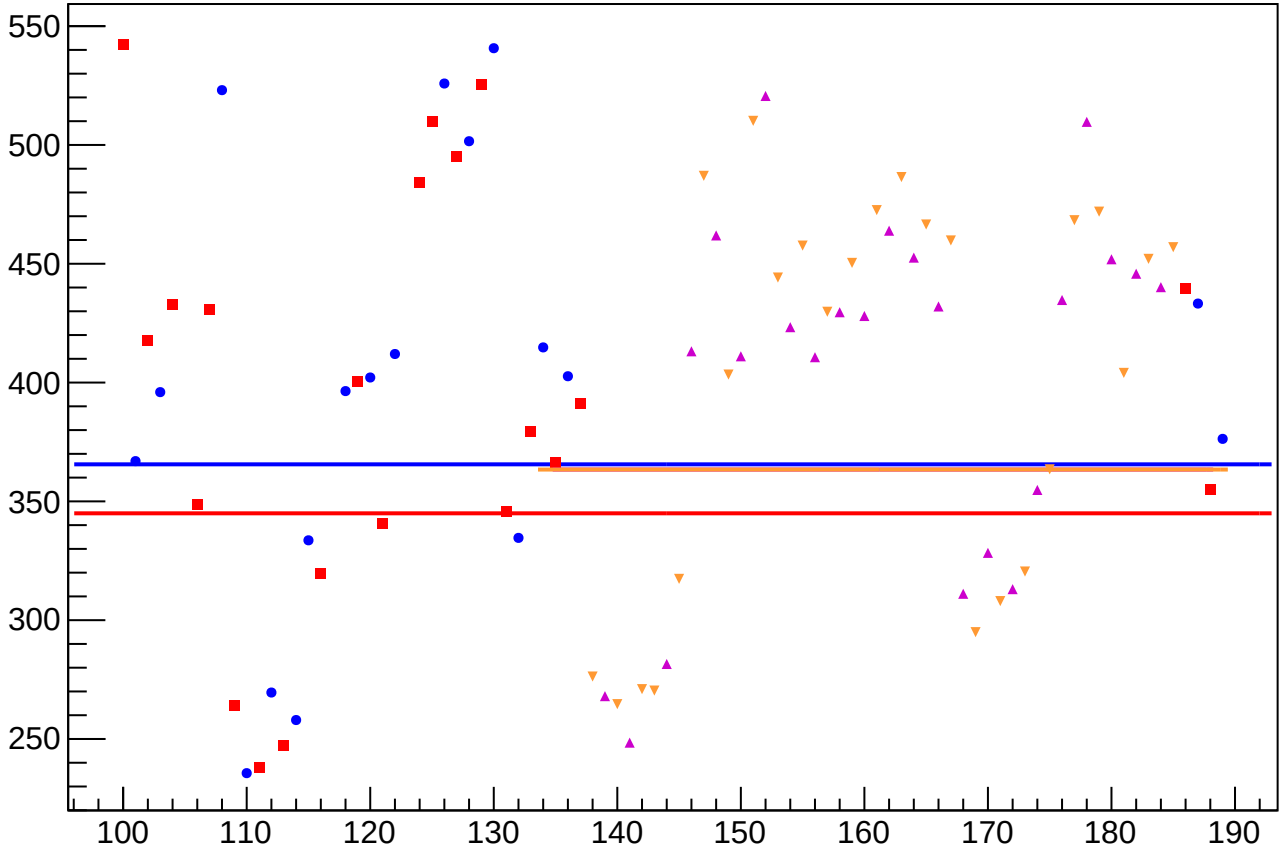
Left In: -117.211+/-87.461 χ^2/NDF:370.4/22

+ sign 391.534+/-71.894 χ^2/NDF: 1195.8/42

All: -82.621+/-50.416 χ^2/NDF: 3489.8/86

- sign -541.395+/-70.718 χ^2/NDF: 2208.5/43

asym_bpm0r05WS_rms vs Slug



Right In: 365.587+/-0.095 χ^2/NDF: 791388.9/17

Left Out: 363.387+/-0.060 χ^2/NDF:1940497.4/24

Right Out: 344.973+/-0.085 χ^2/NDF: 898313.3/20

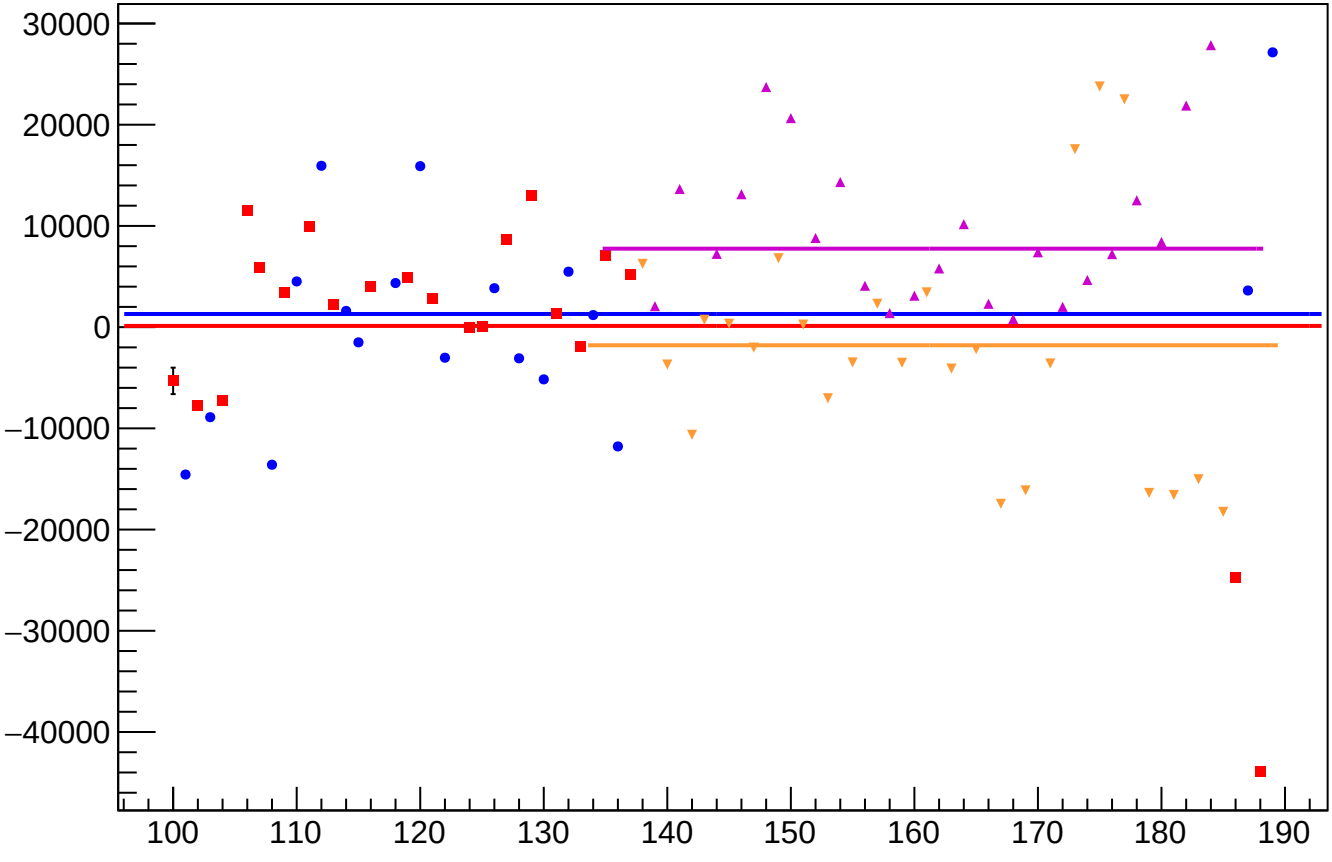
Left In: 363.386+/-0.062 χ^2/NDF:1711599.2/22

+ sign 364.020+/-0.051 χ^2/NDF: 2732270.2/42

All: 360.458+/-0.036 χ^2/NDF: 5382536.9/86

- sign 357.011+/-0.050 χ^2/NDF: 2640604.7/43

asym_bpm0i02WS_mean vs Slug



Right In: 1299.336+/-52.520 χ^2/NDF: 42067.2/17

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: 120.233+/-49.253 χ^2/NDF: 83613.3/20

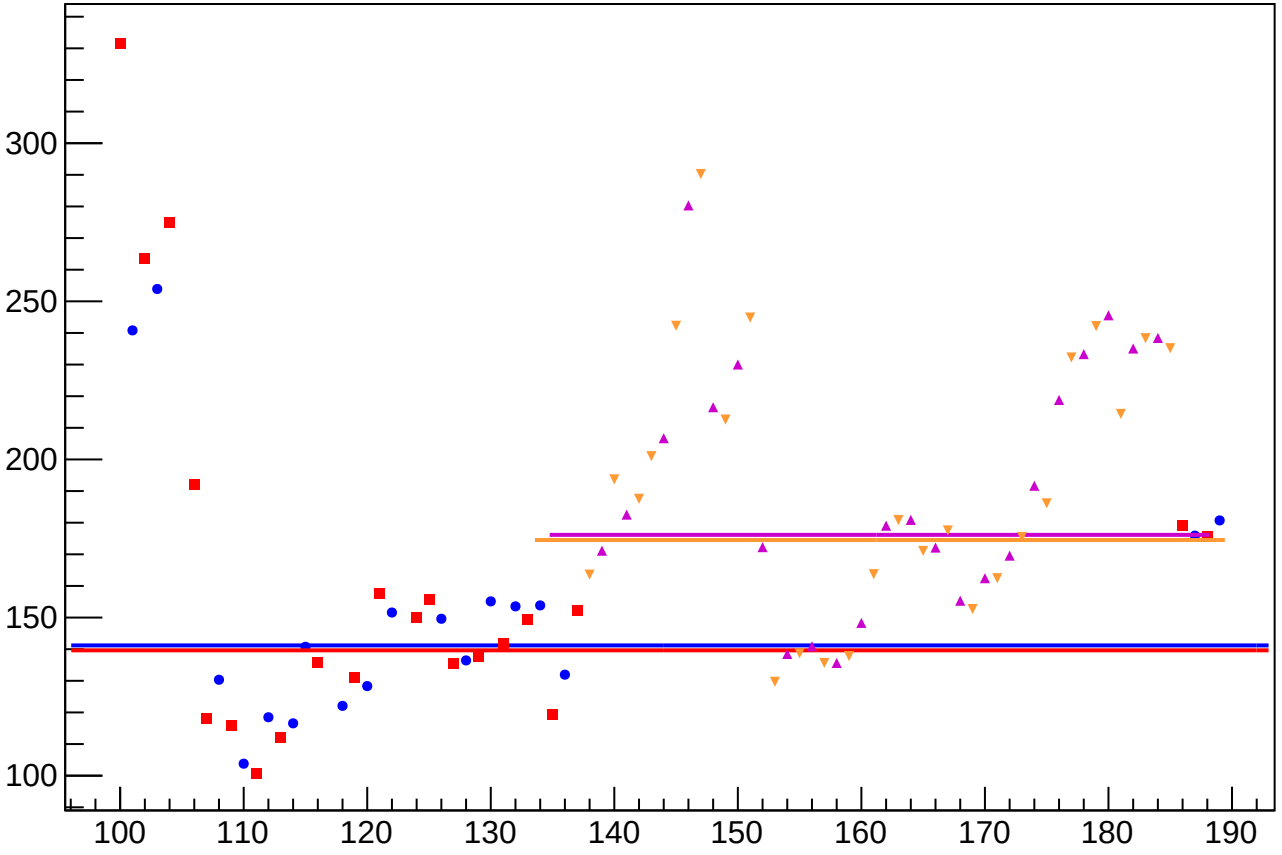
Left In: 7754.468+/-42.571 χ^2/NDF:23278.0/22

+ sign -623.562+/-32.274 χ^2/NDF: 109967.0/42

All: 1938.472+/-22.798 χ^2/NDF: 243187.4/86

- sign 4489.970+/-32.208 χ^2/NDF: 120642.9/43

asym_bpm0i02WS_rms vs Slug



Right In: 141.194+/-0.037 χ^2/NDF: 726736.7/17

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 139.640+/-0.035 χ^2/NDF: 1024339.2/20

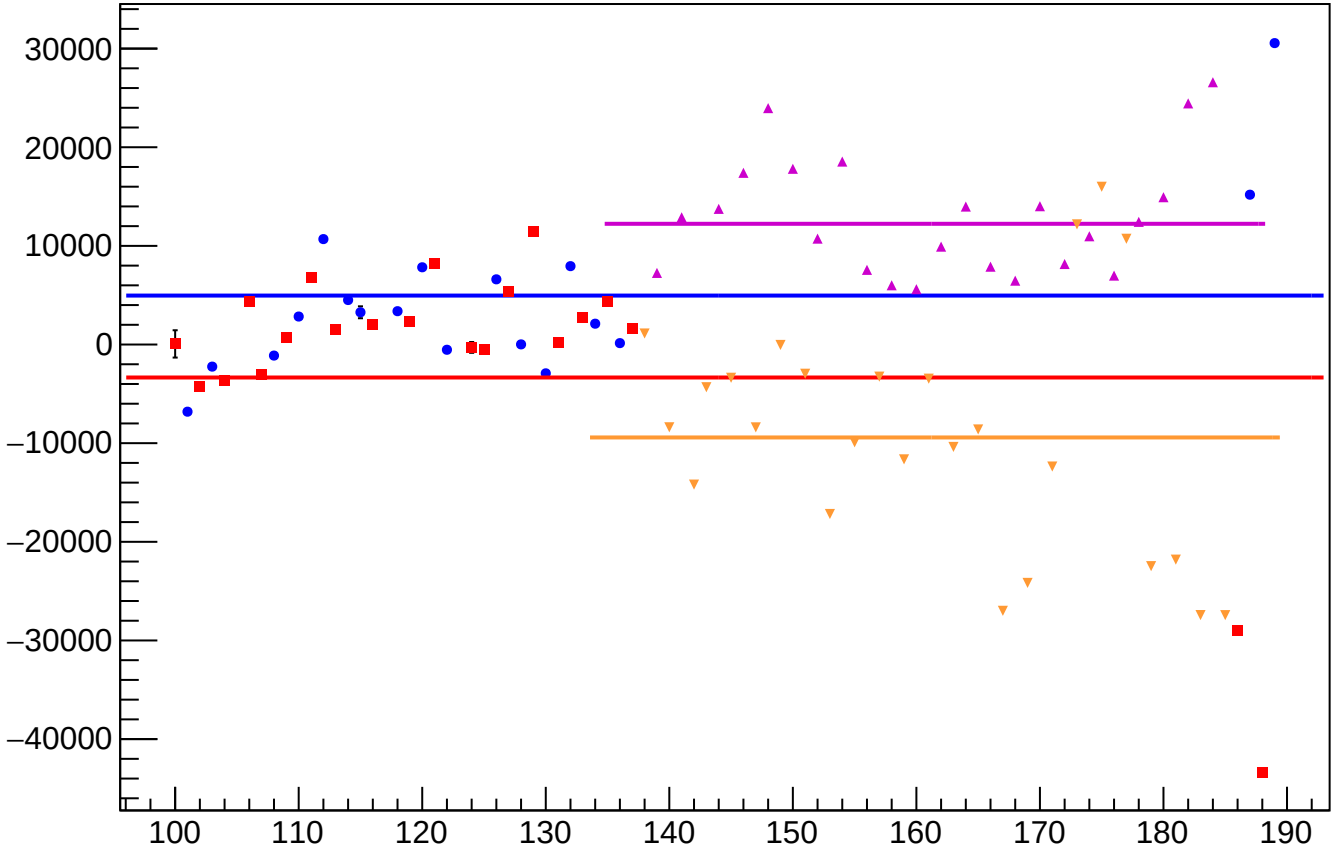
Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

+ sign 161.935+/-0.023 χ^2/NDF: 2887423.3/42

All: 161.236+/-0.016 χ^2/NDF: 5909883.5/86

- sign 160.540+/-0.023 χ^2/NDF: 3020588.5/43

asym_bpm0i02aWS_mean vs Slug



Right In: 4962.812+/-65.992 χ^2/NDF: 16416.3/17

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: -3342.430+/-60.130 χ^2/NDF: 68555.9/20

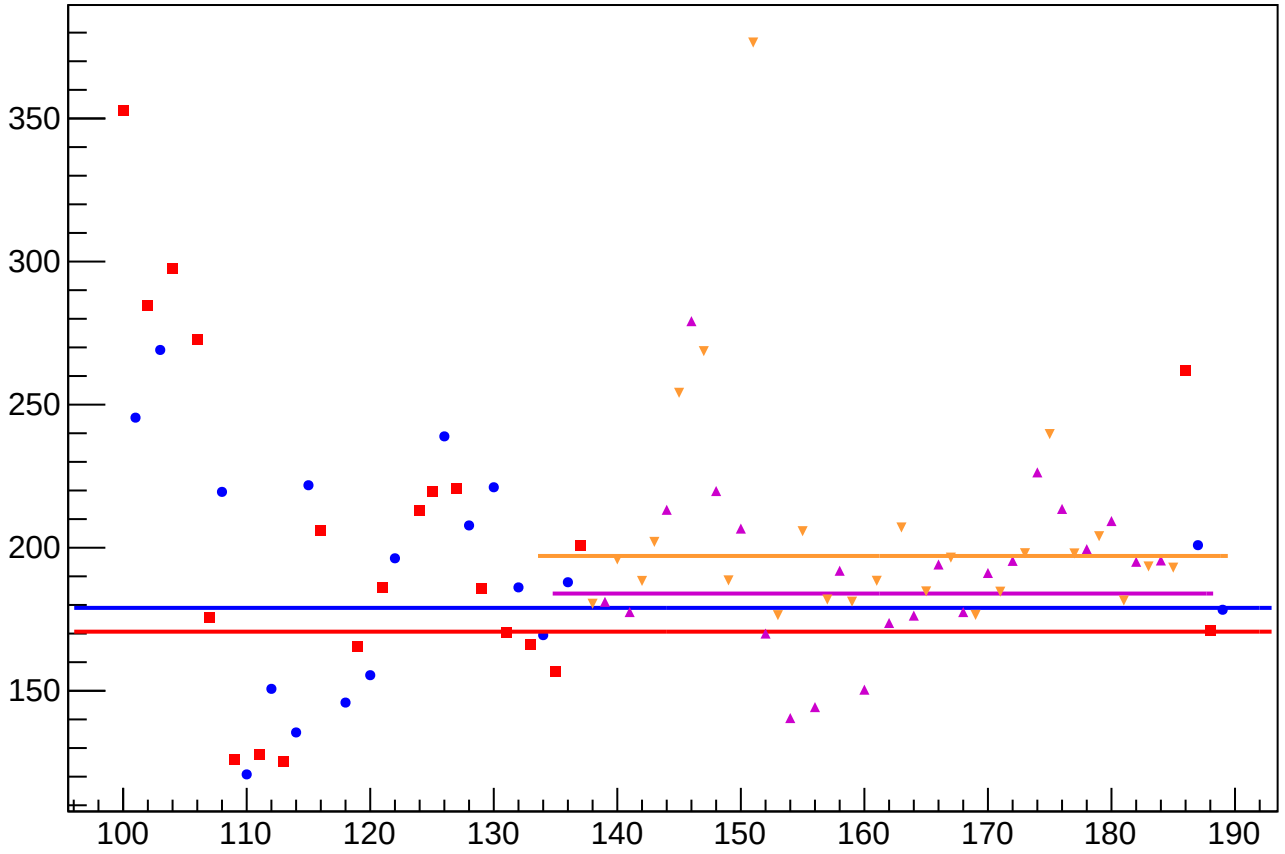
Left In: 12238.678+/-44.195 χ^2/NDF:16015.8/22

+ sign -4758.572+/-37.570 χ^2/NDF: 113241.8/42

All: 1316.040+/-25.845 χ^2/NDF: 291040.5/86

- sign 6773.793+/-35.611 χ^2/NDF: 128166.3/43

asym_bpm0i02aWS_rms vs Slug



Right In: 178.979+/-0.047 χ^2/NDF: 679142.2/17

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 170.667+/-0.043 χ^2/NDF: 1081576.3/20

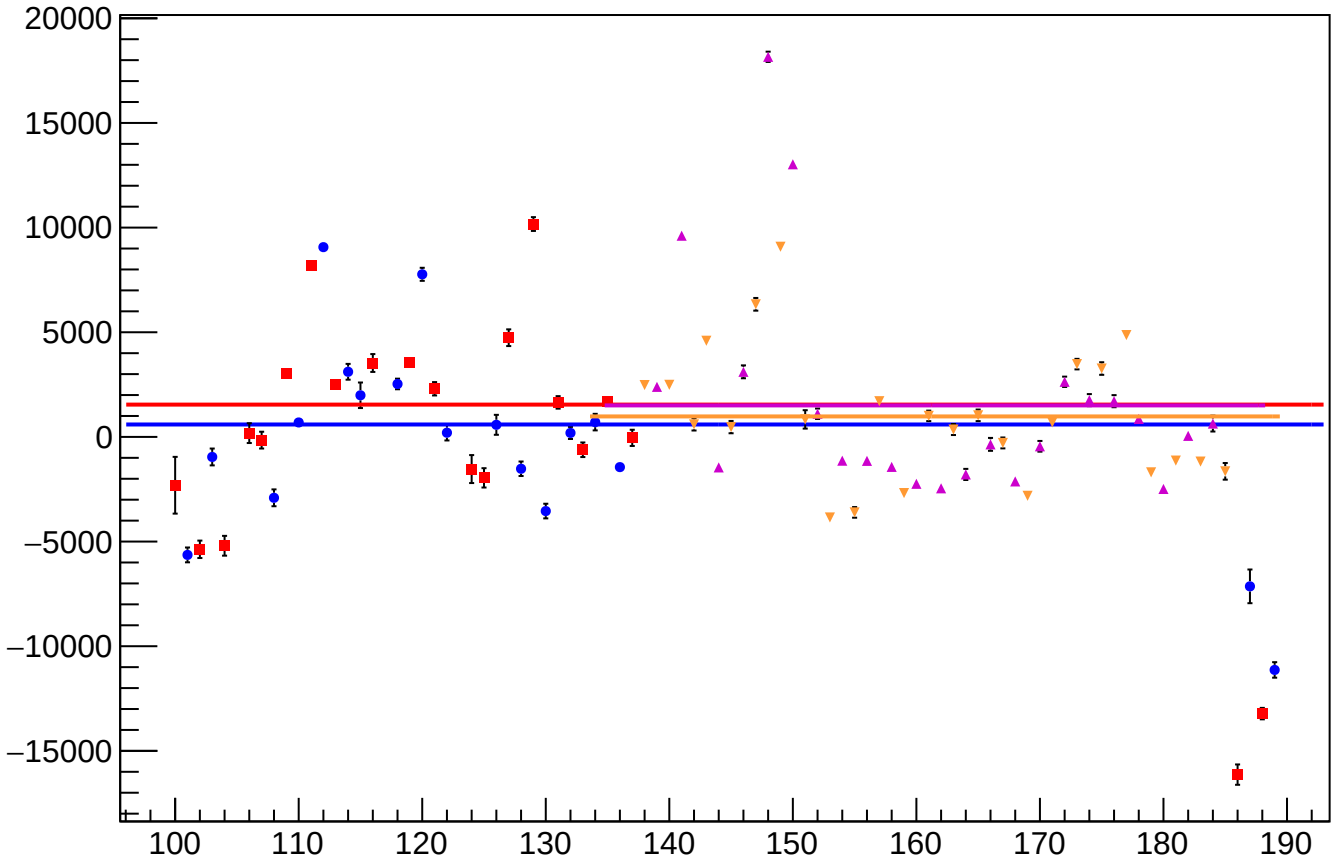
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 191.242+/-0.027 χ^2/NDF: 1513846.0/42

All: 184.959+/-0.018 χ^2/NDF: 3595100.2/86

- sign 179.314+/-0.025 χ^2/NDF: 1975061.1/43

asym_bpm0i05WS_mean vs Slug



Right In: 593.430+/-74.097 χ^2/NDF: 3801.1/17

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: 1543.300+/-66.403 χ^2/NDF: 7041.9/20

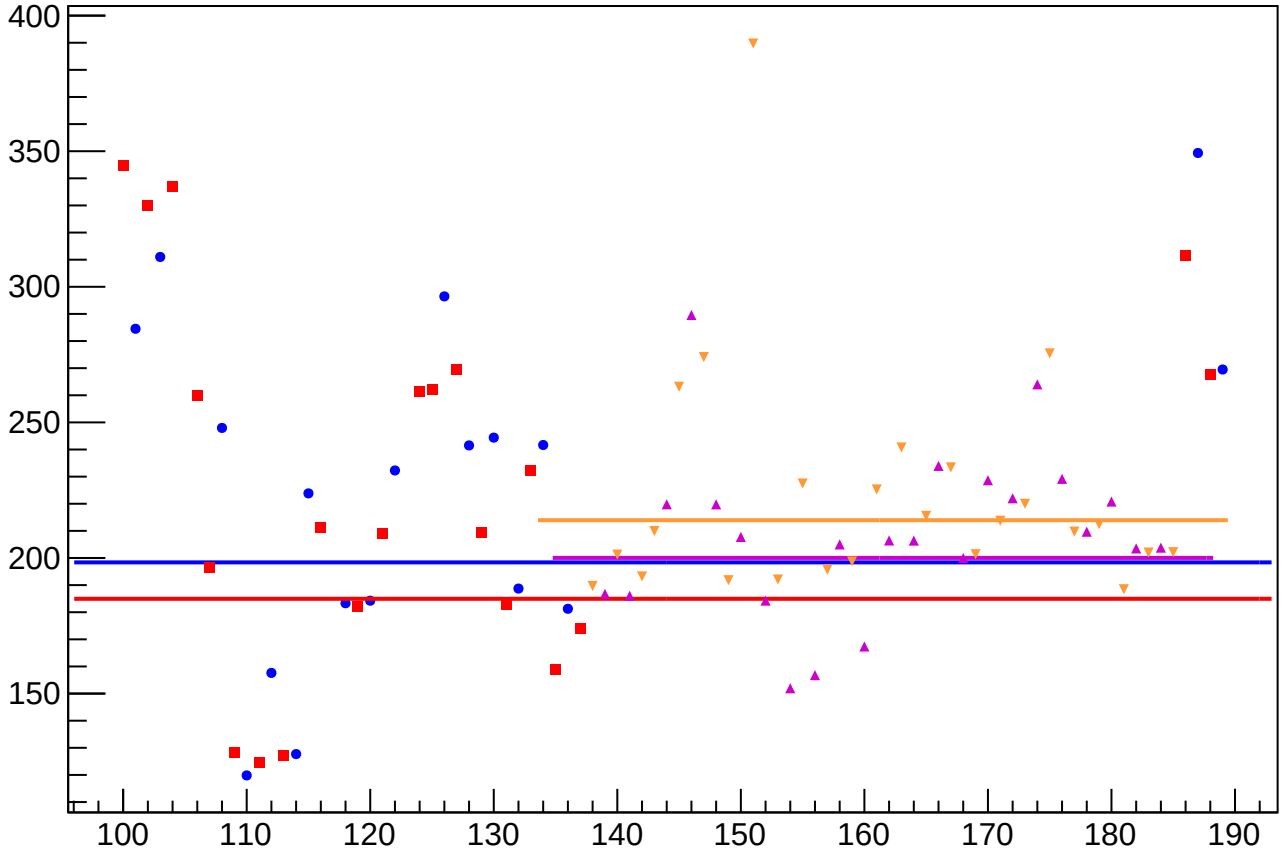
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

+ sign 859.275+/-41.222 χ^2/NDF: 8142.7/42

All: 1207.593+/-28.302 χ^2/NDF: 26800.5/86

- sign 1518.224+/-38.928 χ^2/NDF: 18522.7/43

asym_bpm0i05WS_rms vs Slug



Right In: 198.378+/-0.052 χ^2/NDF: 1116126.6/17

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

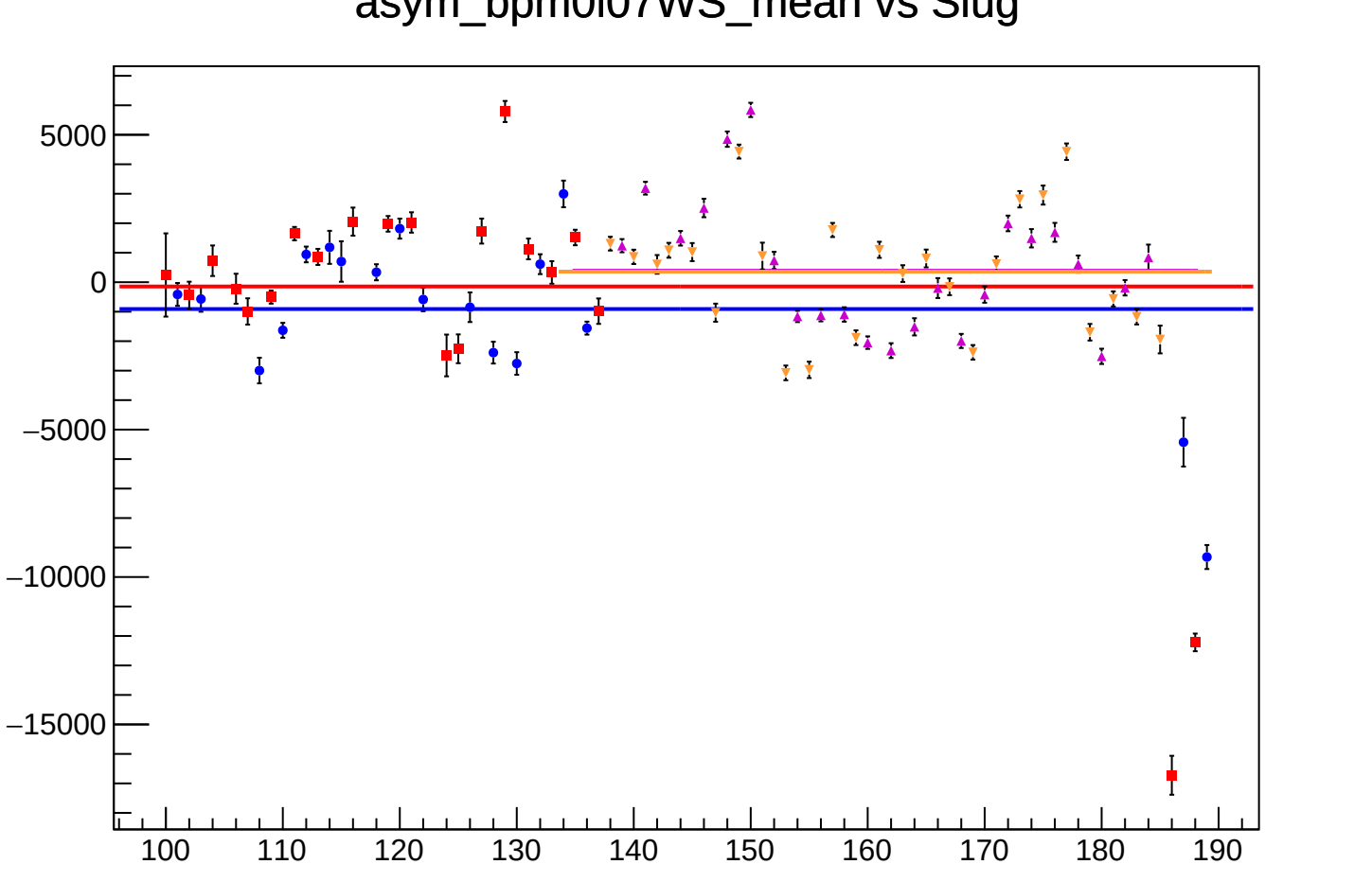
Right Out: 184.947+/-0.047 χ^2/NDF: 1702628.2/20

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 209.118+/-0.029 χ^2/NDF: 1910607.5/42

All: 201.574+/-0.020 χ^2/NDF: 4593195.5/86

- sign 194.847+/-0.028 χ^2/NDF: 2555881.1/43



Right In: -910.092+/-84.343 χ^2/NDF: 786.6/17

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: -145.786+/-77.602 χ^2/NDF: 2846.7/20

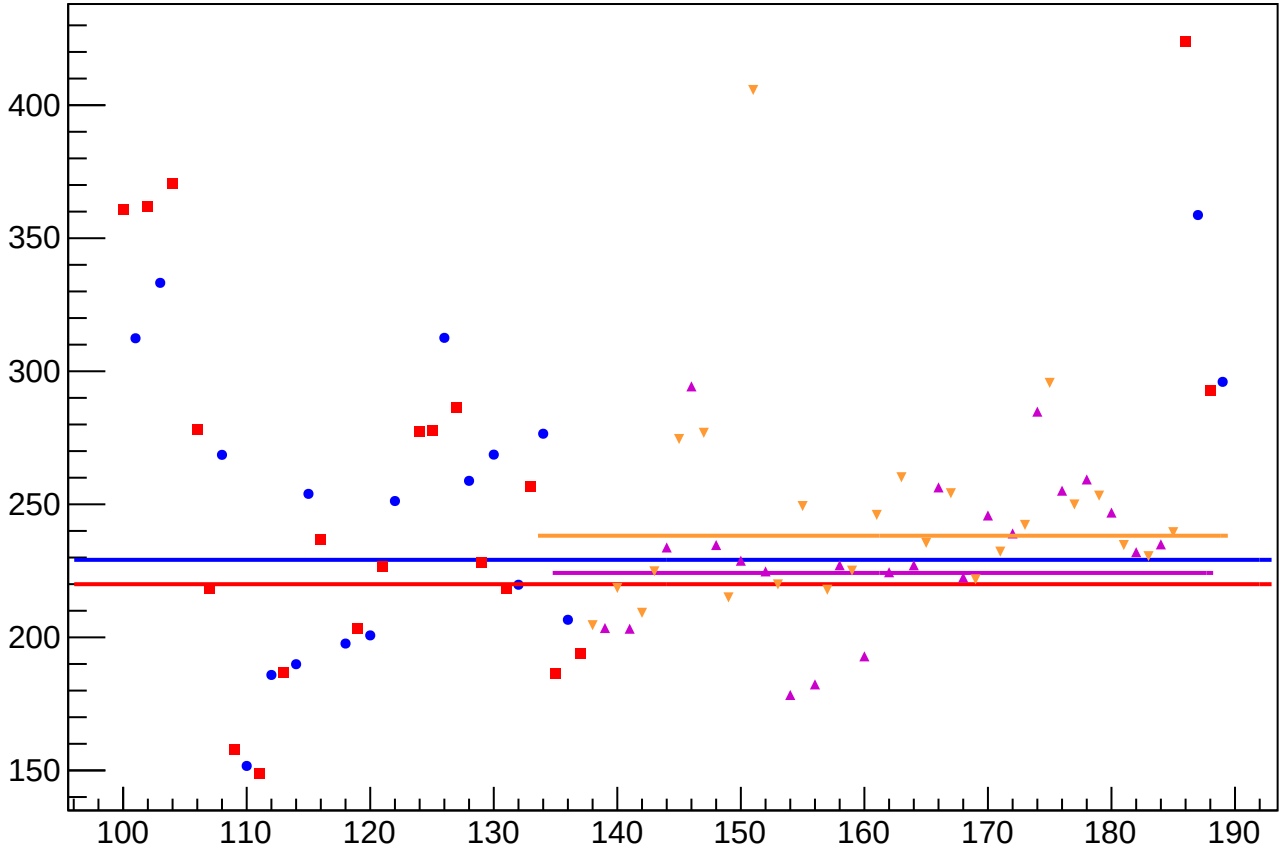
Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

+ sign -19.789+/-46.065 χ^2/NDF: 2364.3/42

All: 102.919+/-31.841 χ^2/NDF: 7060.7/86

- sign 215.190+/-44.063 χ^2/NDF: 4682.8/43

asym_bpm0i07WS_rms vs Slug



Right In: 229.138+/-0.060 χ^2/NDF: 761567.8/17

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 219.982+/-0.055 χ^2/NDF: 1263315.3/20

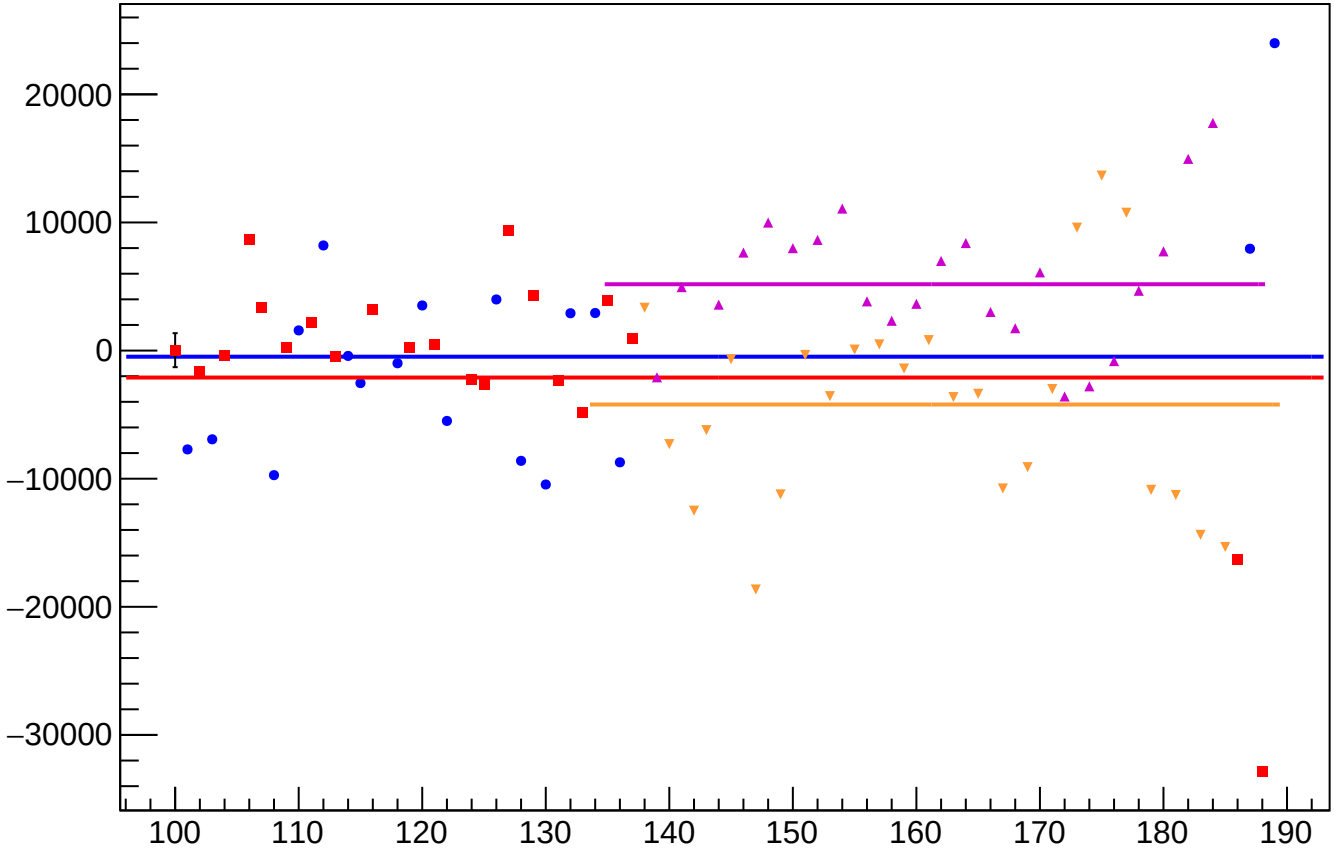
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 235.496+/-0.033 χ^2/NDF: 1345701.0/42

All: 228.891+/-0.023 χ^2/NDF: 3255013.4/86

- sign 222.848+/-0.031 χ^2/NDF: 1830573.7/43

asym_bpm1i02WS_mean vs Slug



Right In: -477.369+/-45.003 χ^2/NDF: 34145.7/17

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: -2105.336+/-41.971 χ^2/NDF: 62550.1/20

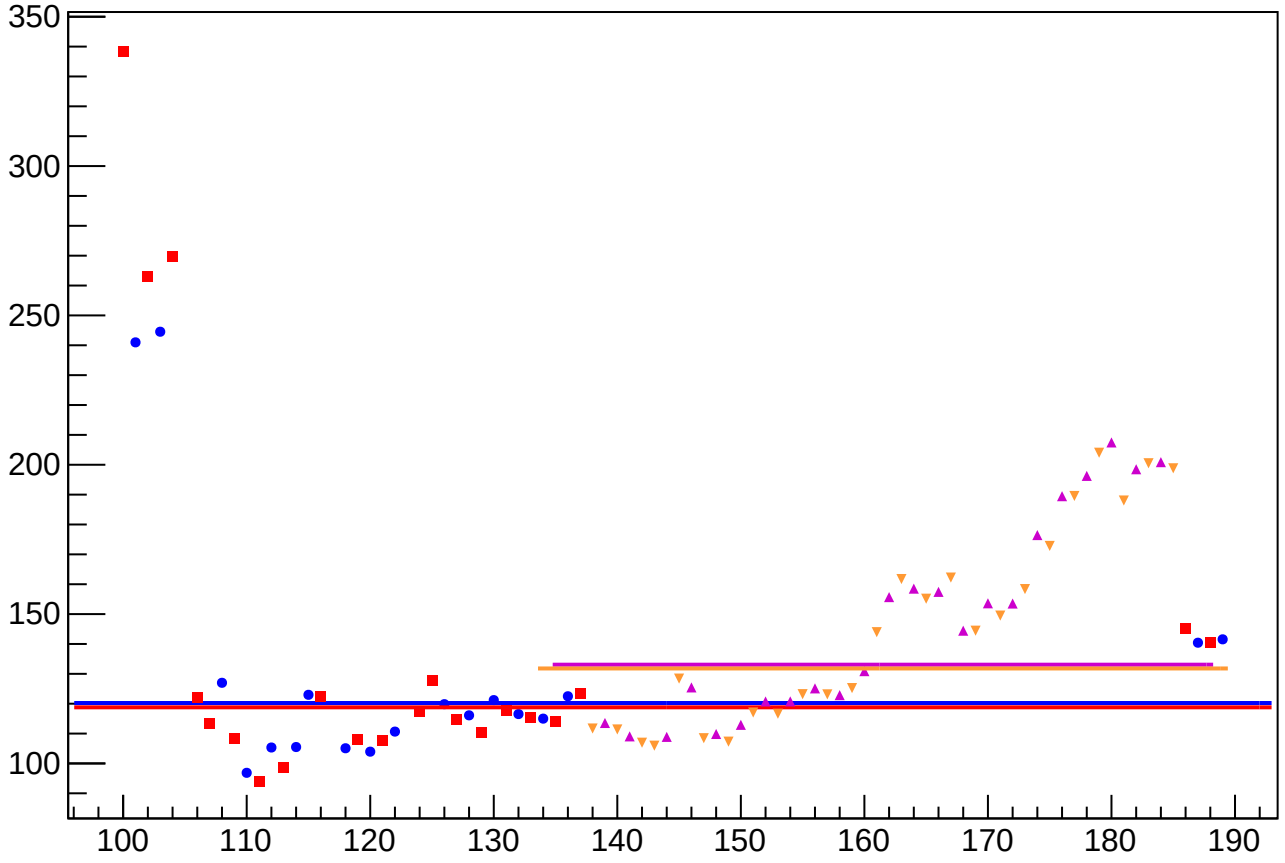
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

+ sign -3018.276+/-25.433 χ^2/NDF: 95632.0/42

All: -257.016+/-17.984 χ^2/NDF: 219354.7/86

- sign 2503.971+/-25.432 χ^2/NDF: 100149.4/43

asym_bpm1i02WS_rms vs Slug



Right In: 120.232+/-0.032 χ^2/NDF: 768129.0/17

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

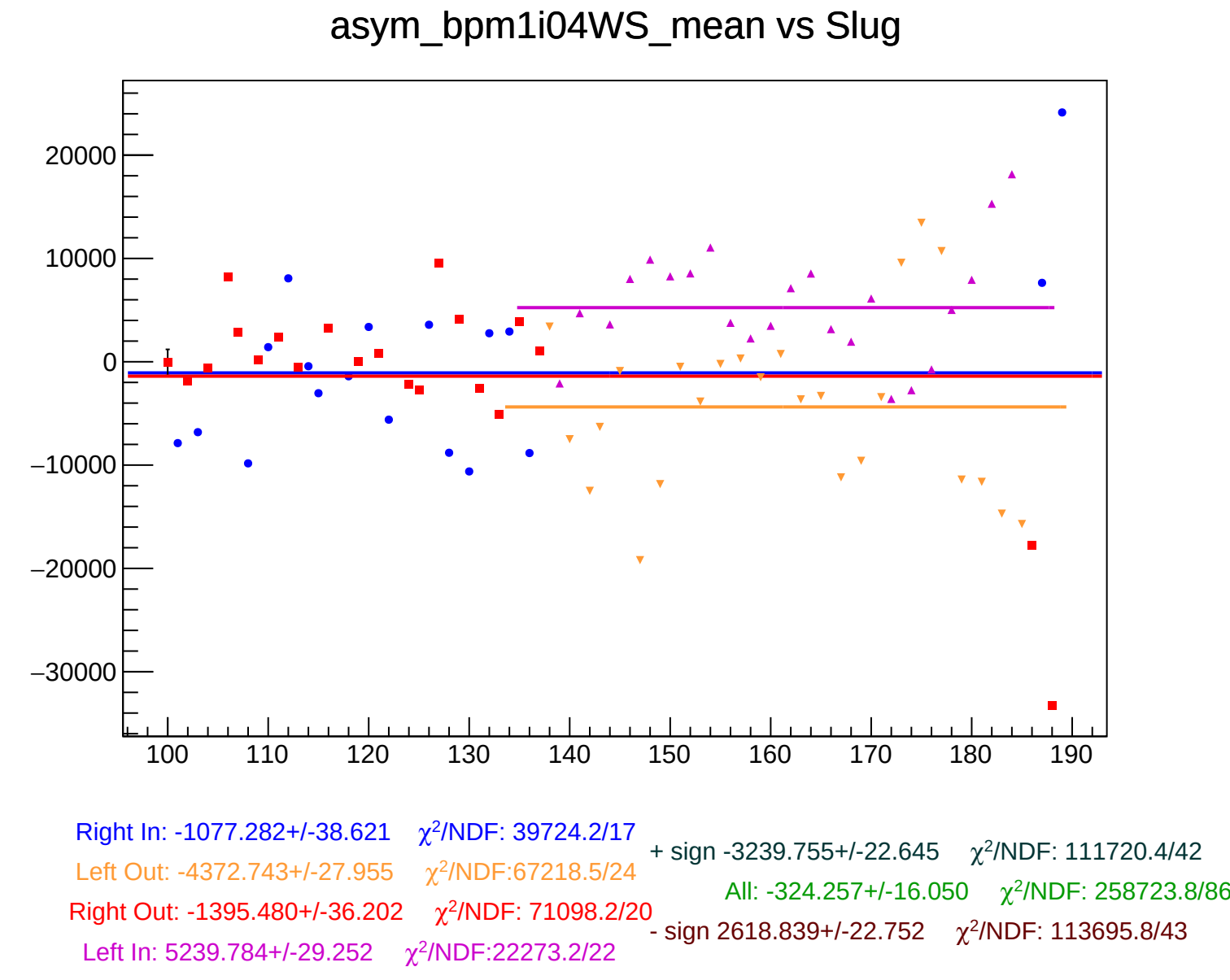
Right Out: 118.787+/-0.030 χ^2/NDF: 946626.5/20

Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

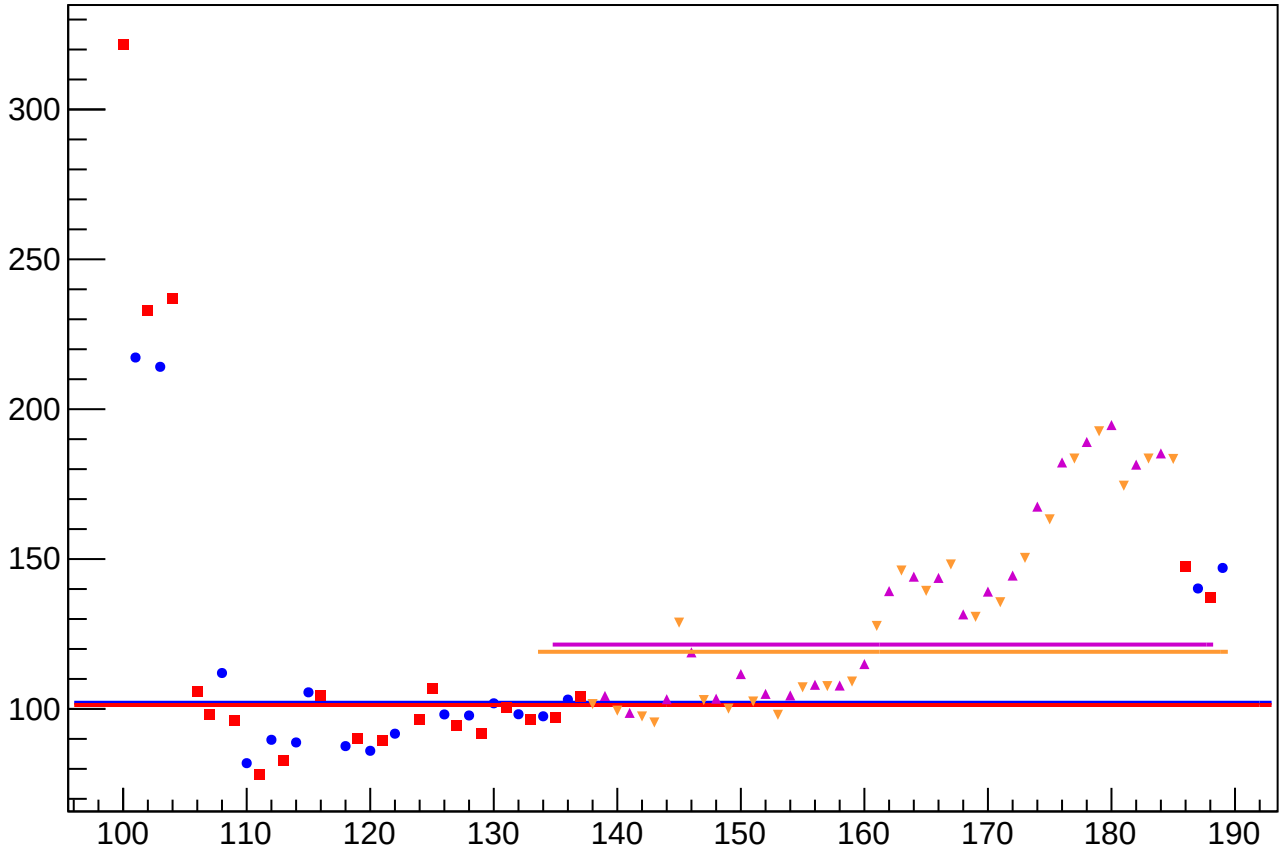
+ sign 128.104+/-0.018 χ^2/NDF: 2402378.4/42

All: 127.962+/-0.013 χ^2/NDF: 4913781.6/86

- sign 127.820+/-0.018 χ^2/NDF: 2511279.0/43


asym_bpm1i04WS_mean vs Slug
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: -1077.282+/-38.621 χ²/NDF: 39724.2/17
Left Out: -4372.743+/-27.955 χ²/NDF:67218.5/24
Right Out: -1395.480+/-36.202 χ²/NDF: 71098.2/20
Left In: 5239.784+/-29.252 χ²/NDF:22273.2/22
+ sign -3239.755+/-22.645 χ²/NDF: 111720.4/42
All: -324.257+/-16.050 χ²/NDF: 258723.8/86
- sign 2618.839+/-22.752 χ²/NDF: 113695.8/43

asym_bpm1i04WS_rms vs Slug



Right In: 102.056+/-0.027 χ^2/NDF: 941472.3/17

Left Out: 119.064+/-0.020 χ^2/NDF:1755428.3/24

Right Out: 101.312+/-0.026 χ^2/NDF: 1158315.1/20

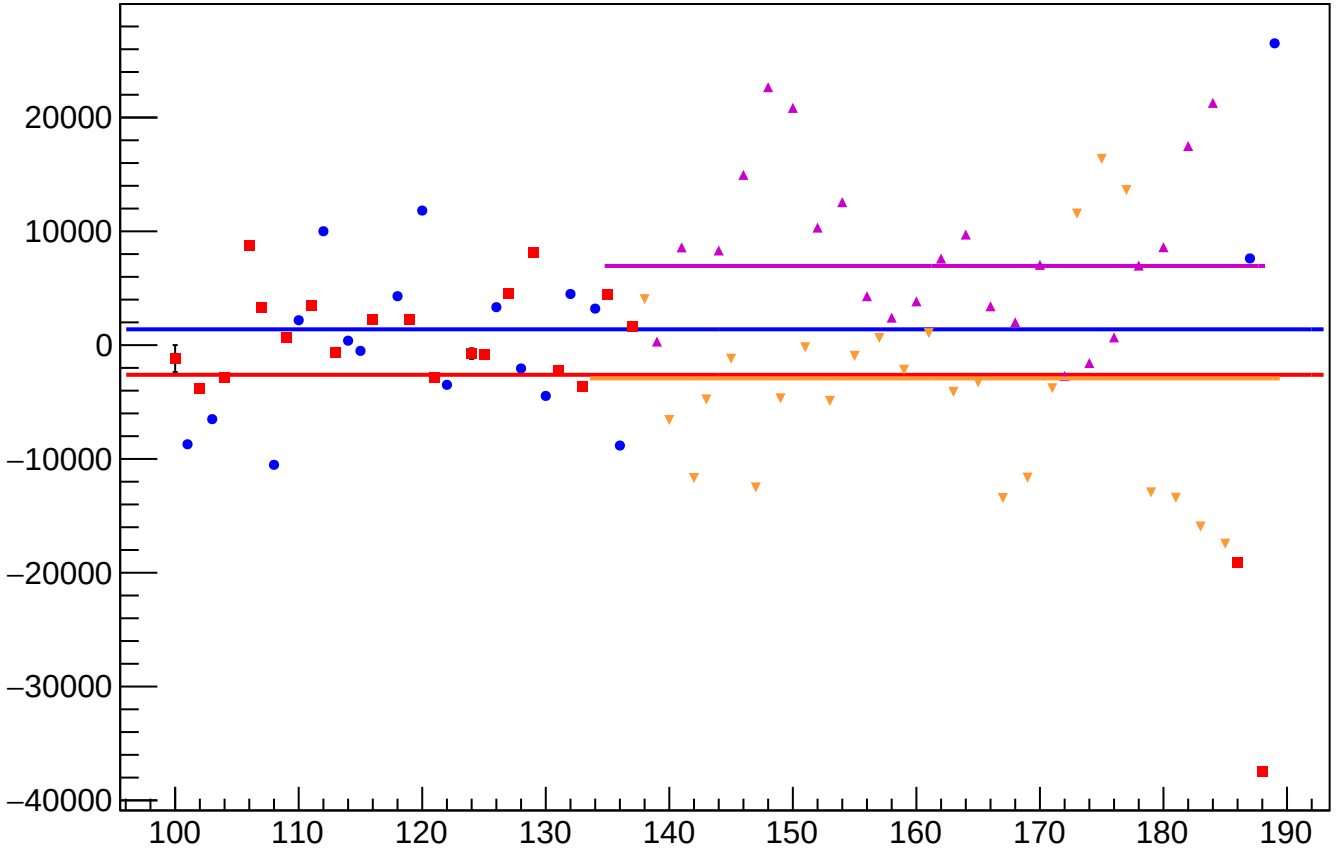
Left In: 121.468+/-0.021 χ^2/NDF:1529379.8/22

+ sign 113.217+/-0.016 χ^2/NDF: 2951413.4/42

All: 113.361+/-0.011 χ^2/NDF: 6014365.0/86

- sign 113.506+/-0.016 χ^2/NDF: 3062789.1/43

asym_bpm1i06WS_mean vs Slug



Right In: 1389.486+/-51.644 χ^2/NDF: 29203.6/17

Left Out: -2923.060+/-38.185 χ^2/NDF:38052.4/24

Right Out: -2606.231+/-48.728 χ^2/NDF: 58516.6/20

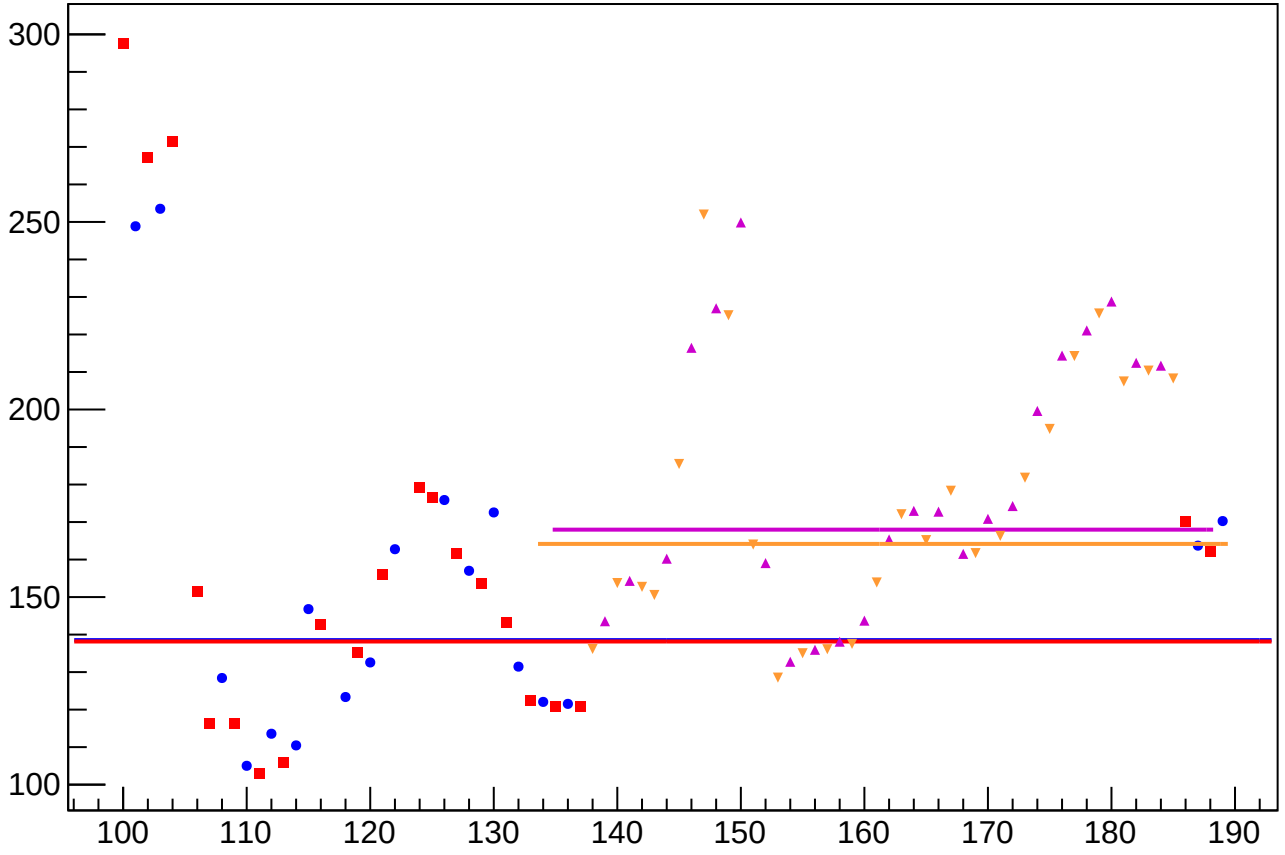
Left In: 6956.884+/-40.245 χ^2/NDF:22339.0/22

+ sign -1398.743+/-30.704 χ^2/NDF: 71764.4/42

All: 816.396+/-21.825 χ^2/NDF: 186038.5/86

- sign 3078.893+/-31.030 χ^2/NDF: 103752.8/43

asym_bpm1i06WS_rms vs Slug



Right In: 138.530+/-0.037 χ^2/NDF: 845413.8/17

Left Out: 164.172+/-0.027 χ^2/NDF:1224405.6/24

Right Out: 138.160+/-0.034 χ^2/NDF: 999247.0/20

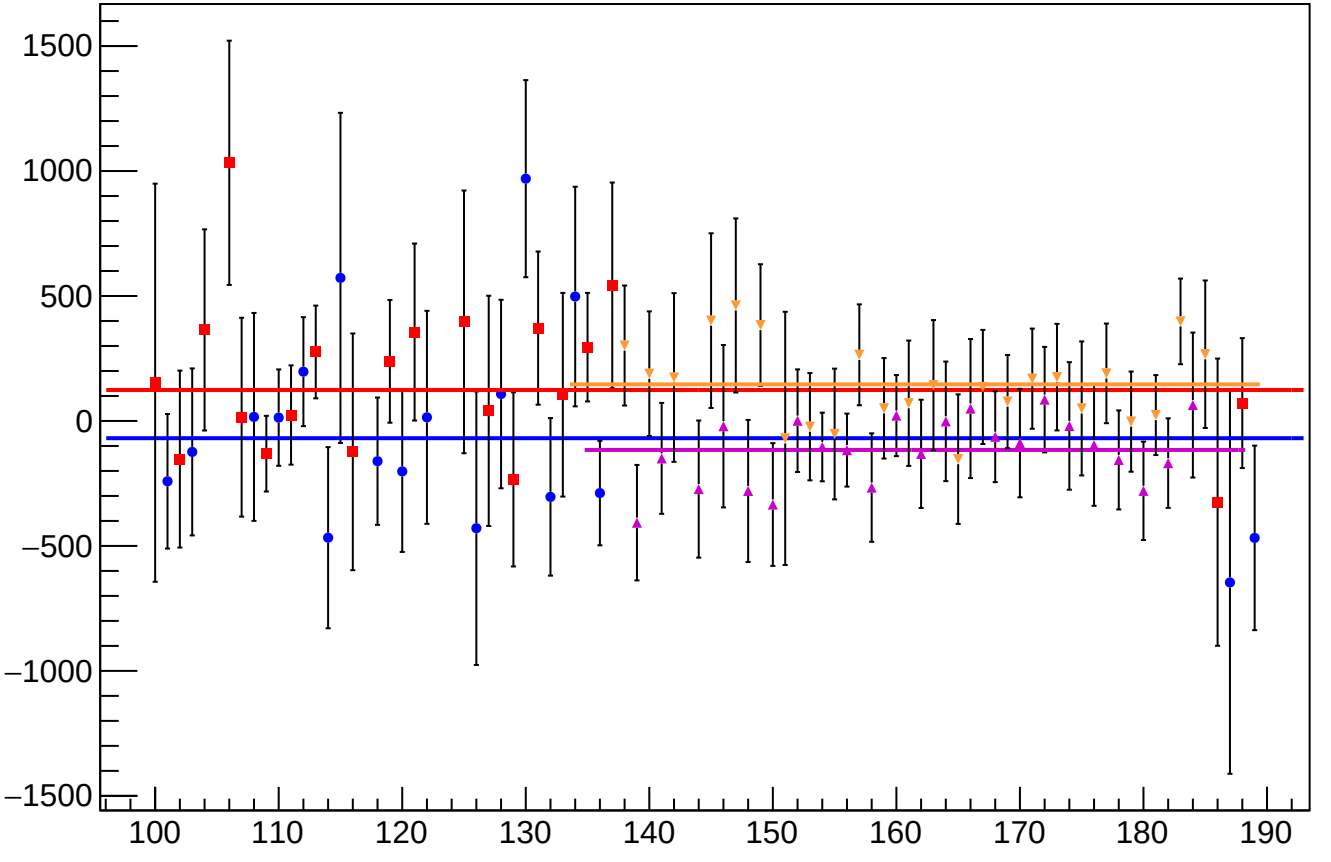
Left In: 167.975+/-0.028 χ^2/NDF:1222745.4/22

\+ sign 155.109+/-0.022 χ^2/NDF: 2388613.9/42

All: 155.493+/-0.015 χ^2/NDF: 5056363.3/86

\- sign 155.885+/-0.022 χ^2/NDF: 2667117.3/43

asym_bcm_2an_us_an_ds_avg_mean vs Slug



Right In: -68.968+/-74.351 χ^2/NDF: 17.3/17

Left Out: 146.352+/-46.929 χ^2/NDF:10.0/23

Right Out: 123.920+/-65.726 χ^2/NDF: 13.5/19

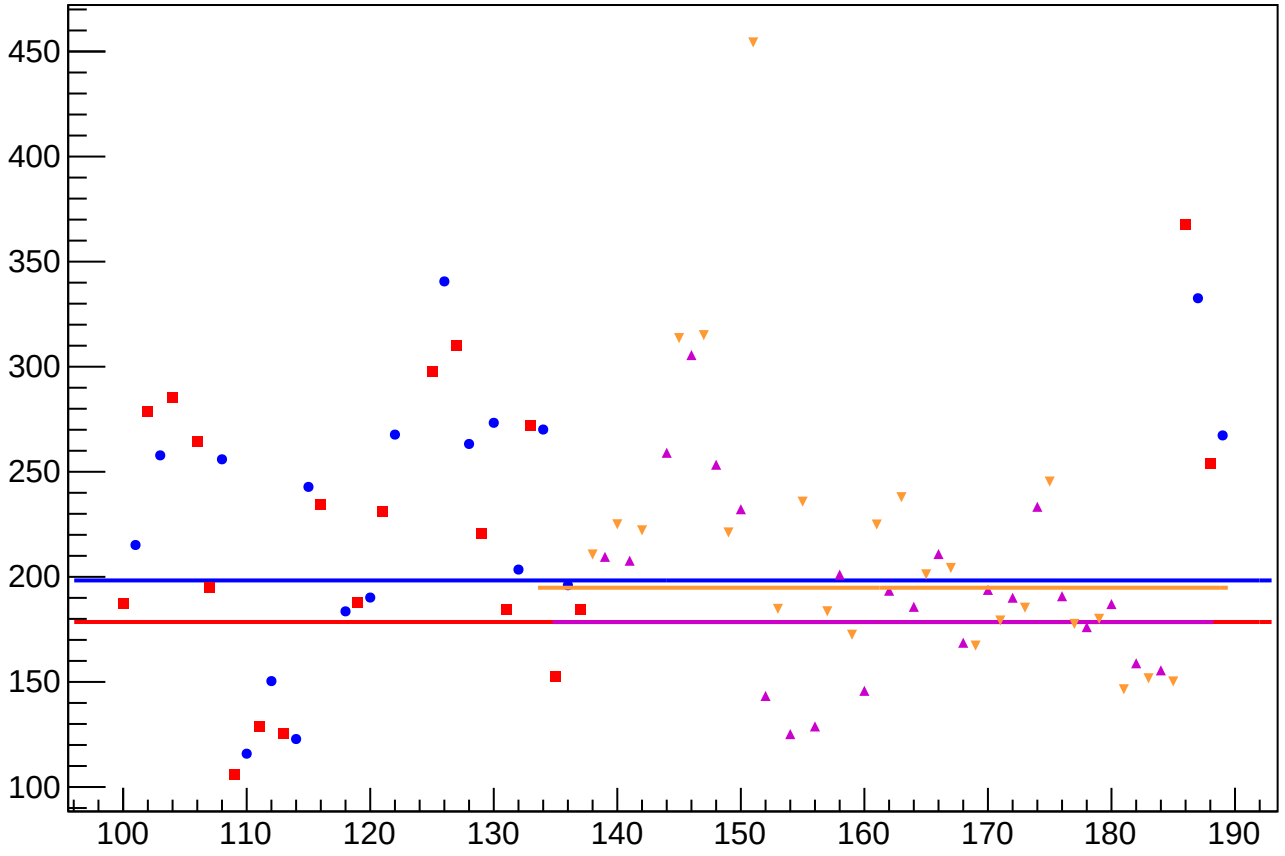
Left In: -115.974+/-43.605 χ^2/NDF:7.6/22

+ sign 85.009+/-39.685 χ^2/NDF: 33.2/41

All: 15.562+/-26.799 χ^2/NDF: 69.2/84

- sign -42.656+/-36.335 χ^2/NDF: 30.4/42

asym_bcm_2an_us_an_ds_avg_rms vs Slug



Right In: 198.297+/-0.053 χ^2/NDF: 1181319.8/17

Left Out: 194.828+/-0.033 χ^2/NDF:1752475.1/23

Right Out: 178.526+/-0.046 χ^2/NDF: 2004900.4/19

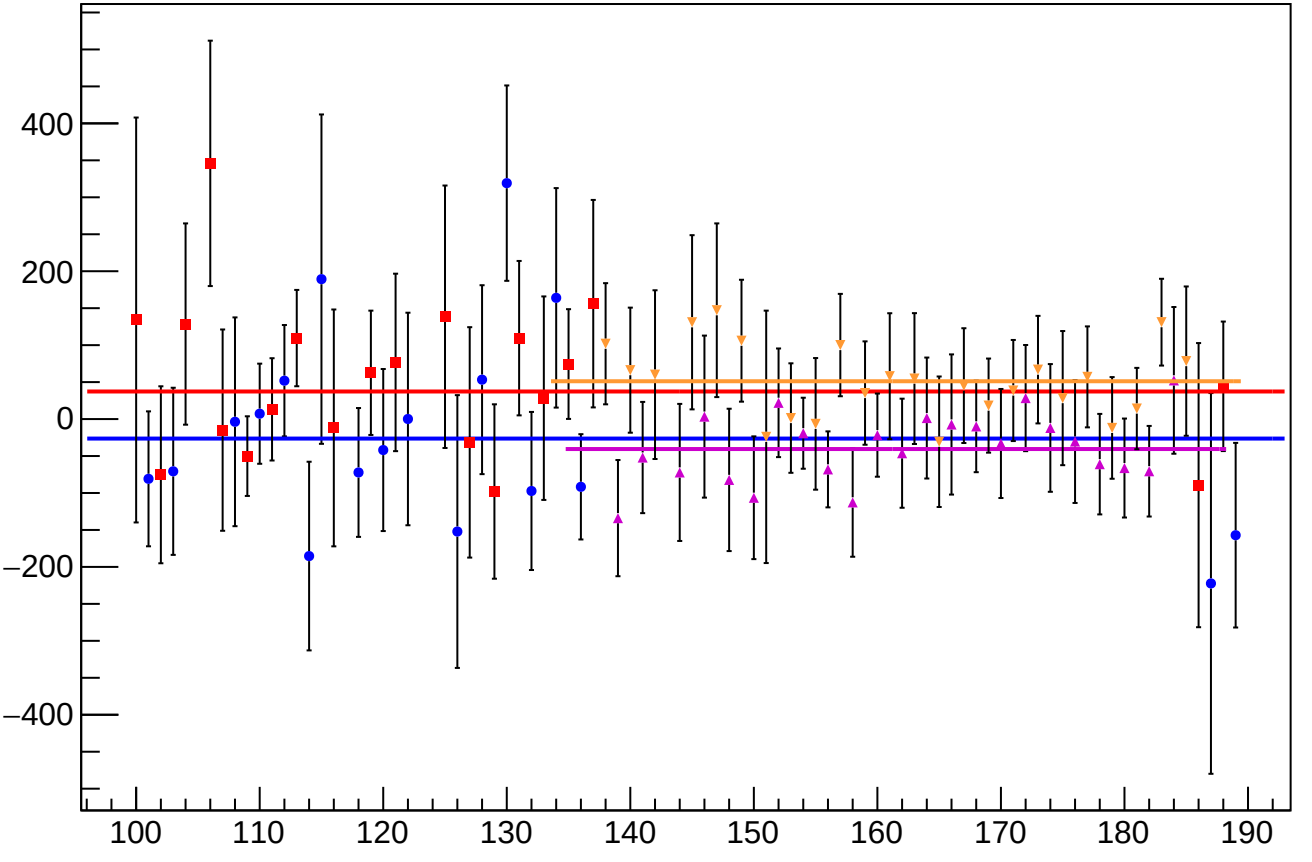
Left In: 178.475+/-0.031 χ^2/NDF:1676266.4/22

+ sign 195.817+/-0.028 χ^2/NDF: 2936908.2/41

All: 186.392+/-0.019 χ^2/NDF: 6825449.1/84

- sign 178.491+/-0.026 χ^2/NDF: 3681167.6/42

asym_bcm_2an_us_an_ds_dd_mean vs Slug



Right In: -26.381+/-25.444 χ^2/NDF: 17.0/17

Left Out: 51.161+/-16.037 χ^2/NDF:8.1/23

Right Out: 37.308+/-22.675 χ^2/NDF: 13.1/19

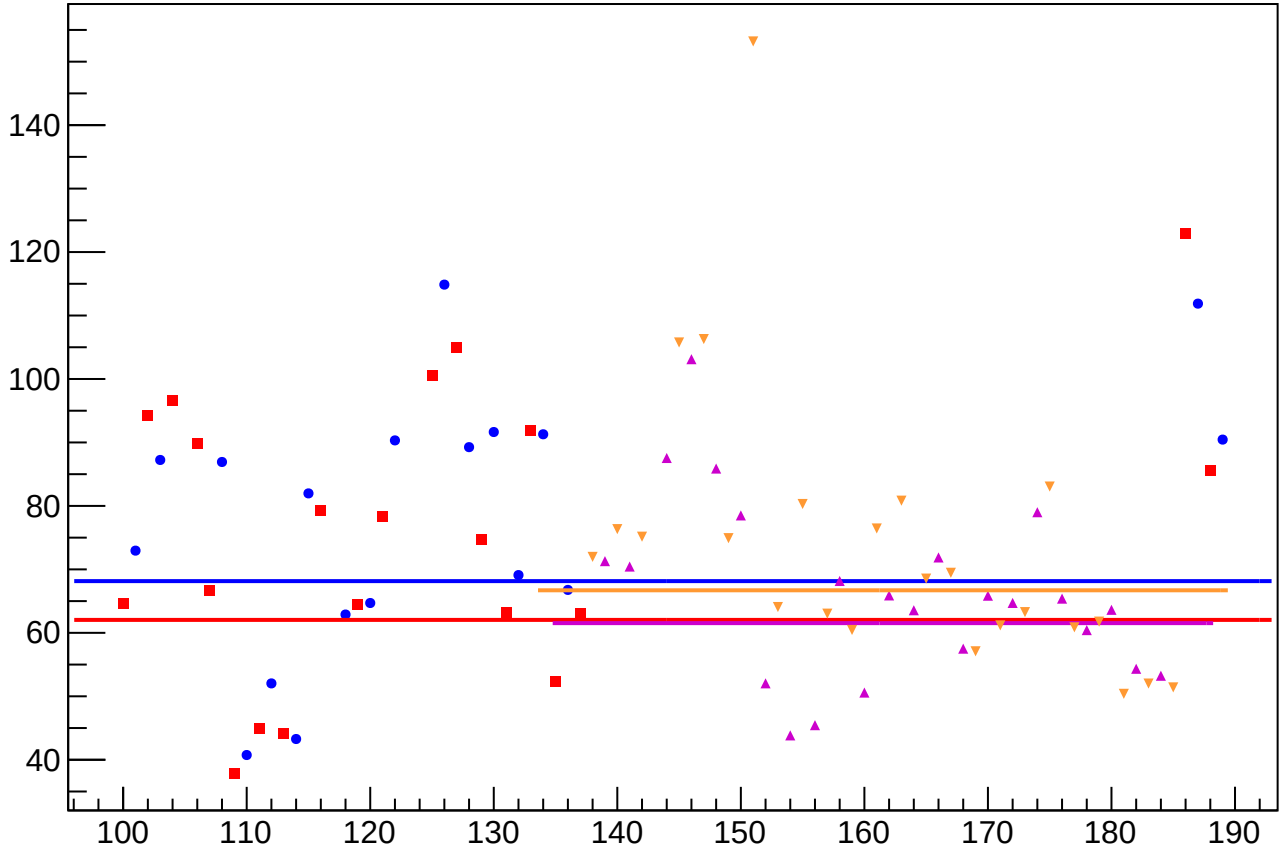
Left In: -40.540+/-14.978 χ^2/NDF:7.9/22

+ sign 29.115+/-13.567 χ^2/NDF: 31.7/41

All: 4.227+/-9.192 χ^2/NDF: 67.1/84

- sign -16.891+/-12.497 χ^2/NDF: 29.1/42

asym_bcm_2an_us_an_ds_dd_rms vs Slug



Right In: 68.150+/-0.018 χ^2/NDF: 1074425.7/17

Left Out: 66.703+/-0.011 χ^2/NDF:1676329.9/23

Right Out: 62.039+/-0.016 χ^2/NDF: 1815318.0/19

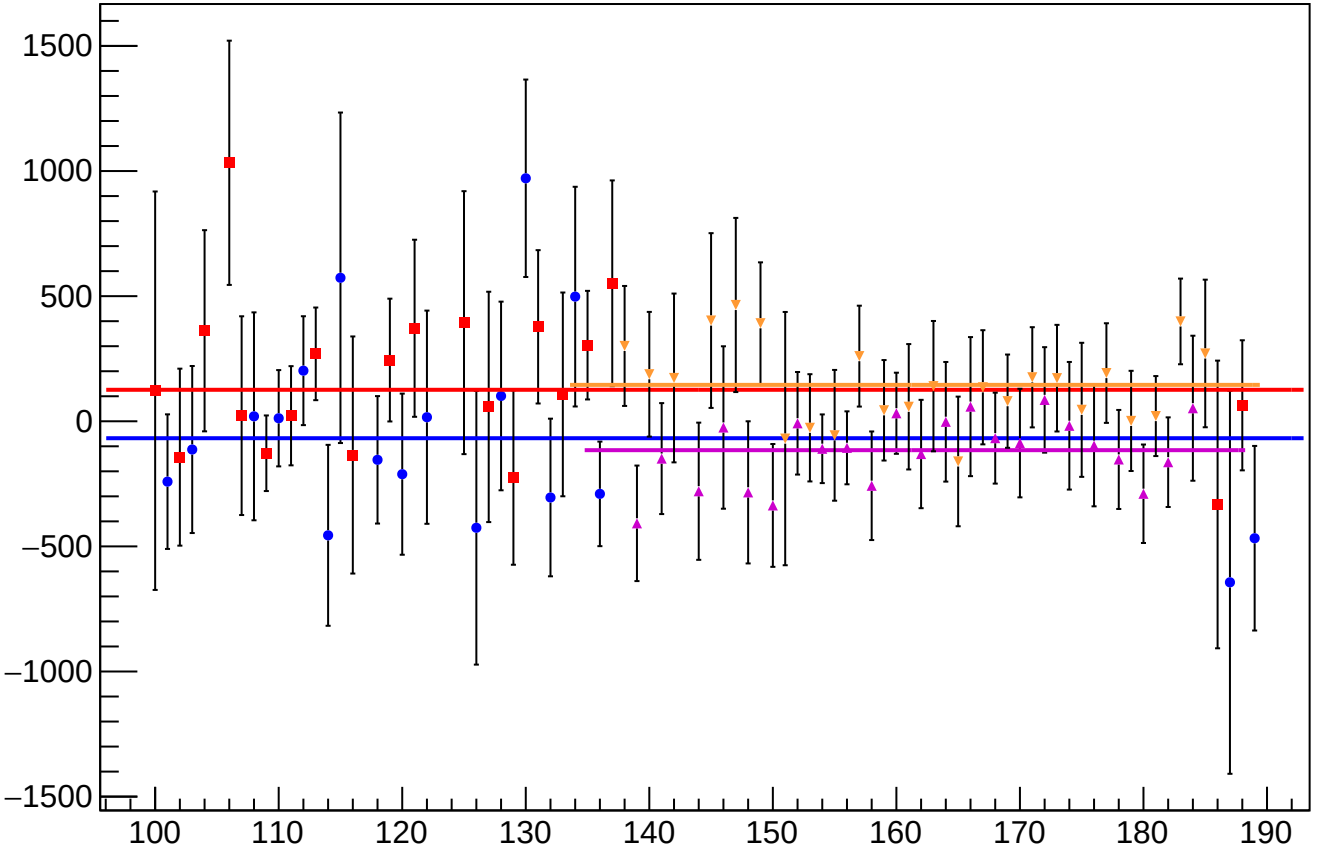
Left In: 61.529+/-0.011 χ^2/NDF:1489848.4/22

+ sign 67.114+/-0.010 χ^2/NDF: 2755385.2/41

All: 64.177+/-0.006 χ^2/NDF: 6234616.1/84

- sign 61.684+/-0.009 χ^2/NDF: 3305870.1/42

asym_bcm_an_us_an_ds_avg_mean vs Slug



Right In: -67.684+/-74.270 χ^2/NDF: 17.3/17

Left Out: 145.476+/-46.889 χ^2/NDF:10.2/23

Right Out: 125.819+/-65.645 χ^2/NDF: 13.6/19

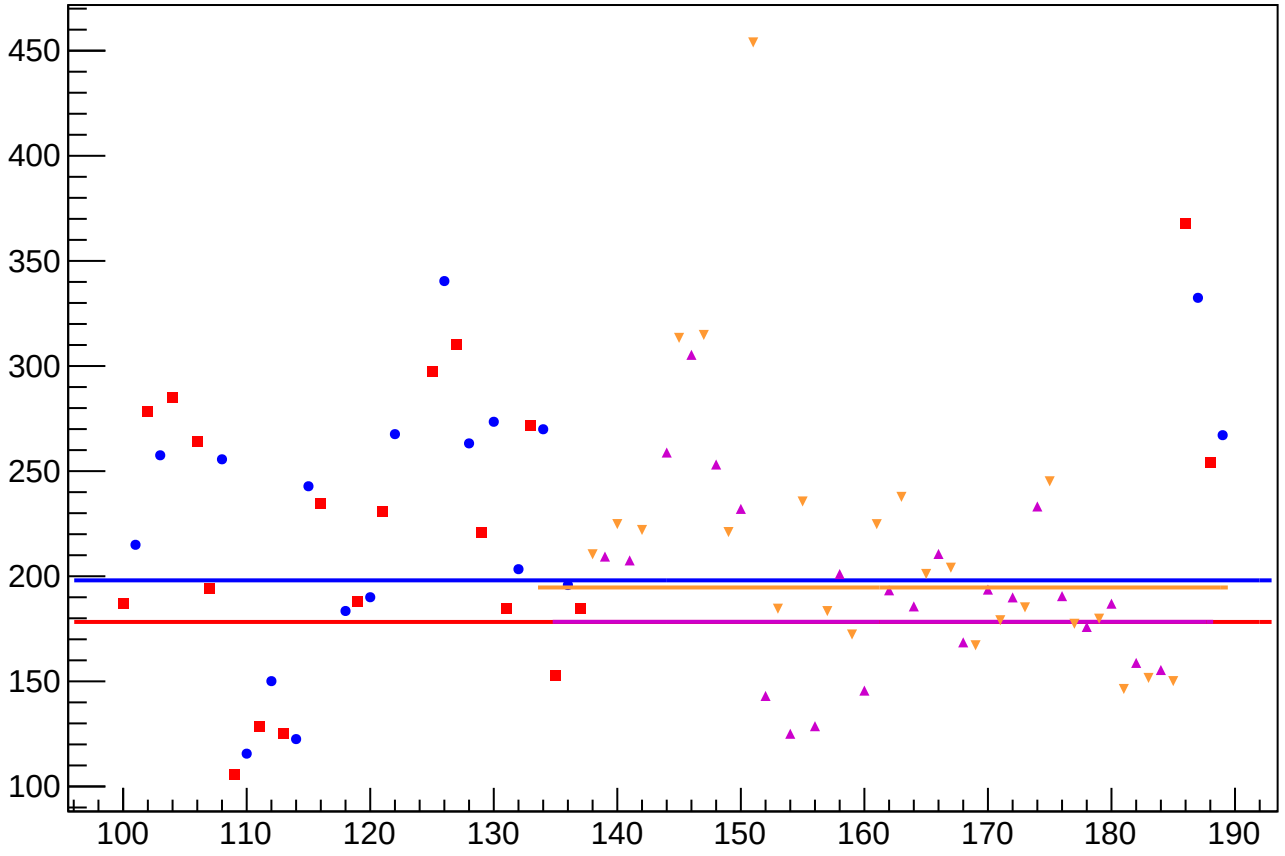
Left In: -115.487+/-43.568 χ^2/NDF:7.8/22

+ sign 84.728+/-39.648 χ^2/NDF: 33.4/41

All: 15.952+/-26.774 χ^2/NDF: 69.7/84

- sign -41.699+/-36.301 χ^2/NDF: 30.7/42

asym_bcm_an_us_an_ds_avg_rms vs Slug



Right In: 198.047+/-0.053 χ^2/NDF: 1186199.6/17

Left Out: 194.659+/-0.033 χ^2/NDF:1753119.9/23

Right Out: 178.261+/-0.046 χ^2/NDF: 2012290.0/19

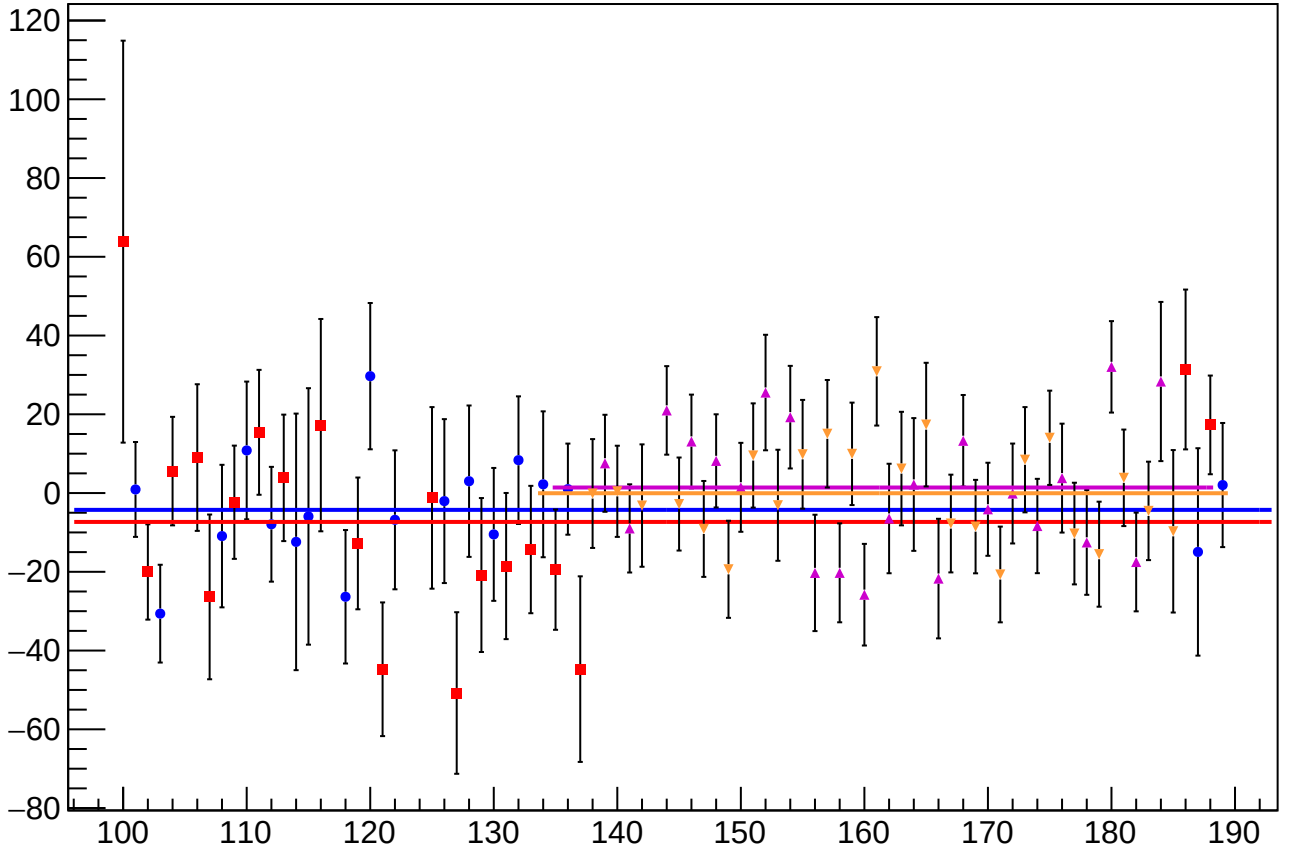
Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

+ sign 195.625+/-0.028 χ^2/NDF: 2942295.9/41

All: 186.201+/-0.019 χ^2/NDF: 6840641.9/84

- sign 178.301+/-0.026 χ^2/NDF: 3690627.4/42

asym_bcm_an_us_an_ds_dd_mean vs Slug



Right In: -4.270+/-3.951 χ^2/NDF: 12.3/17

Left Out: -0.047+/-2.685 χ^2/NDF:20.5/23

Right Out: -7.334+/-3.856 χ^2/NDF: 30.2/19

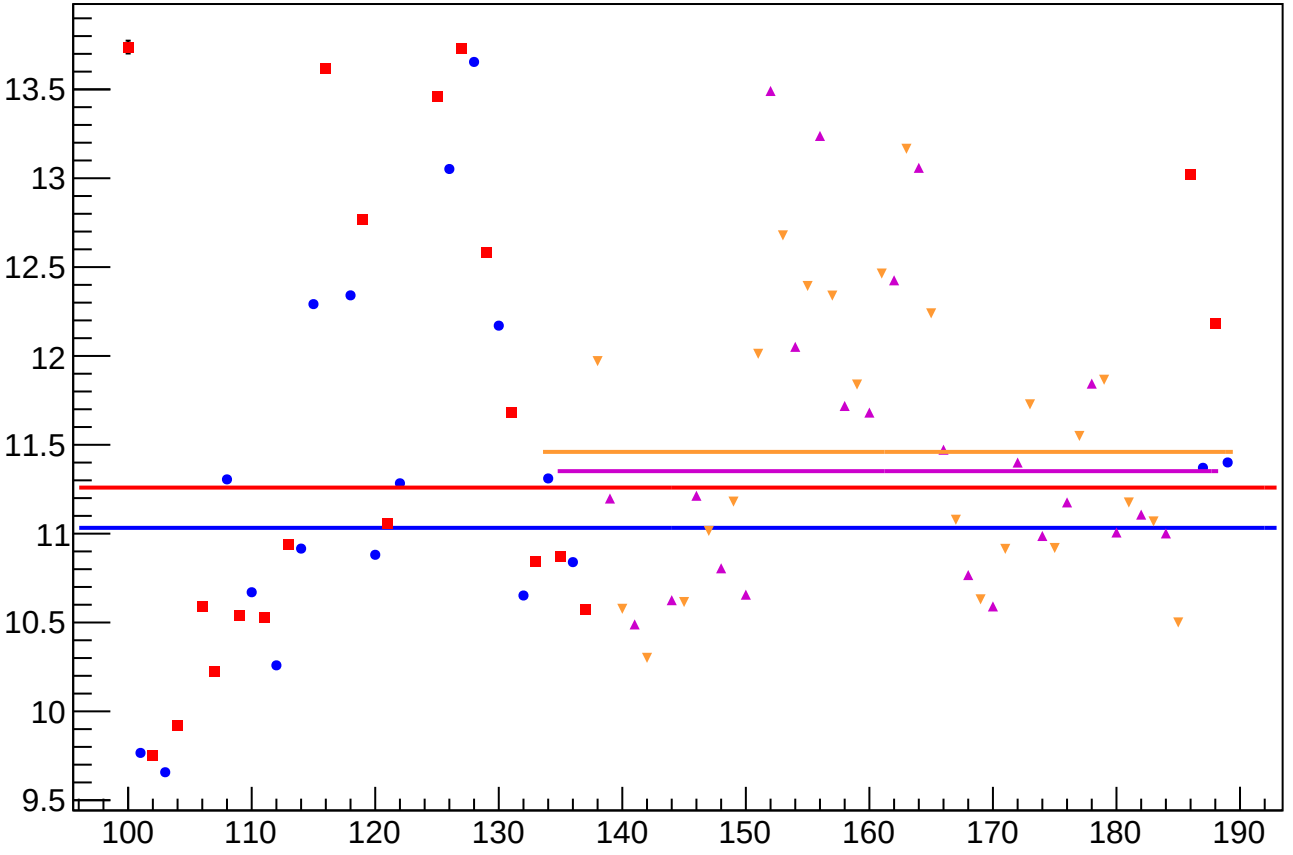
Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign -1.381+/-2.221 χ^2/NDF: 33.6/41

All: -1.406+/-1.562 χ^2/NDF: 103.6/84

- sign -1.431+/-2.197 χ^2/NDF: 70.0/42

asym_bcm_an_us_an_ds_dd_rms vs Slug



Right In: 11.033+/-0.003 χ^2/NDF: 137710.8/17

Left Out: 11.460+/-0.002 χ^2/NDF:150430.0/23

Right Out: 11.259+/-0.003 χ^2/NDF: 191704.8/19

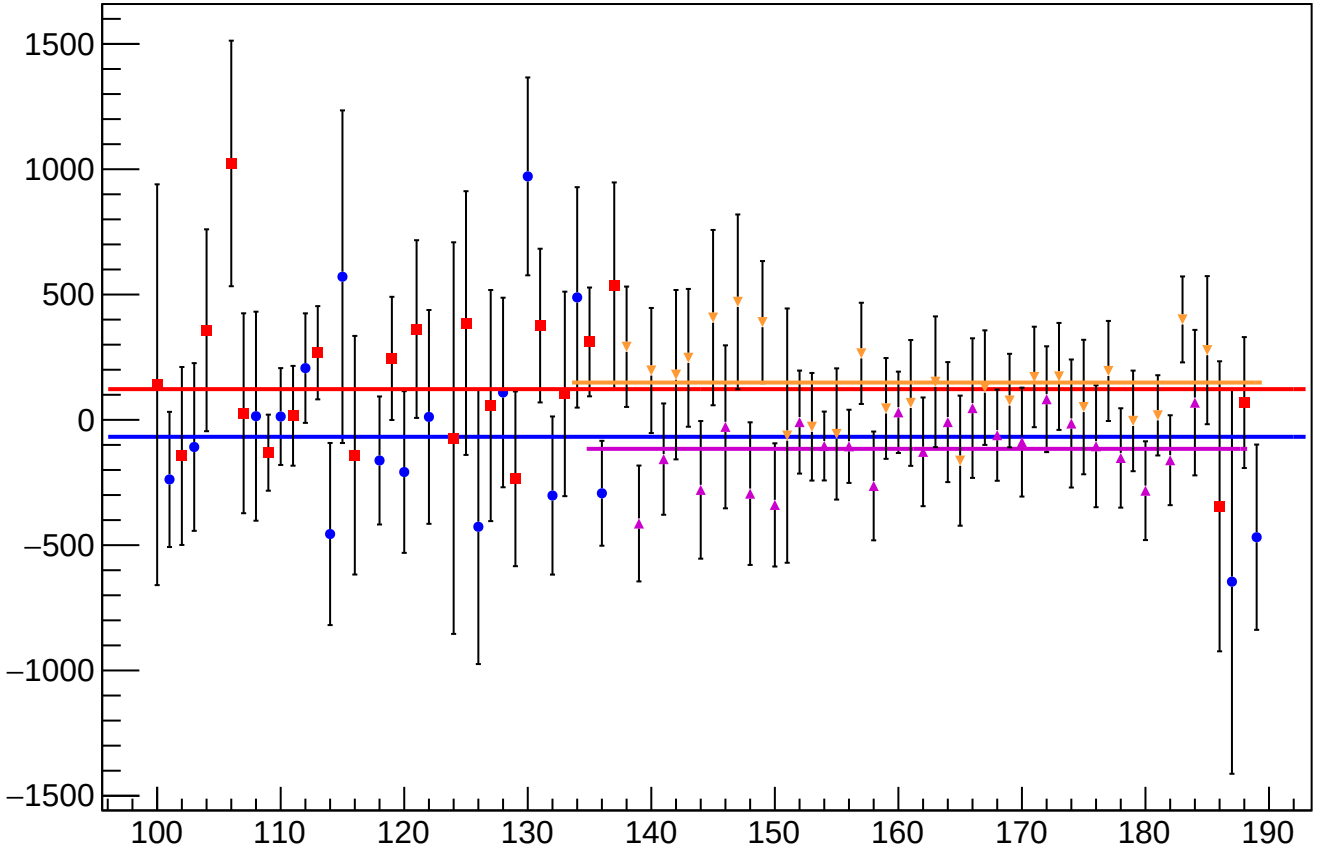
Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

+ sign 11.325+/-0.002 χ^2/NDF: 304159.2/41

All: 11.323+/-0.001 χ^2/NDF: 667206.9/84

- sign 11.322+/-0.002 χ^2/NDF: 363045.4/42

asym_bcm_an_us_an_ds3_avg_mean vs Slug



Right In: -67.666+/-74.487 χ^2/NDF: 17.3/17

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: 122.563+/-65.625 χ^2/NDF: 13.6/20

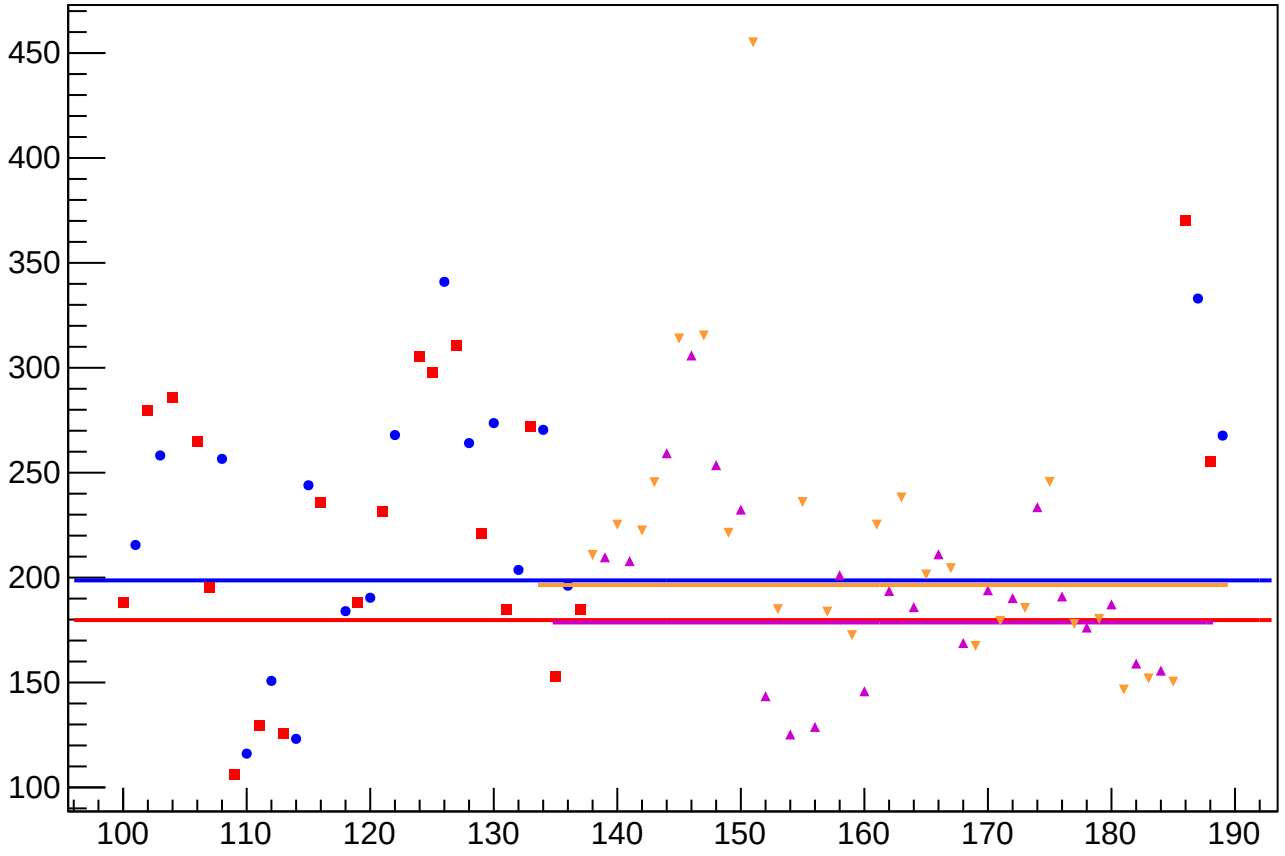
Left In: -115.709+/-43.641 χ^2/NDF:7.8/22

+ sign 88.536+/-39.326 χ^2/NDF: 33.8/42

All: 17.773+/-26.689 χ^2/NDF: 70.4/86

- sign -42.648+/-36.339 χ^2/NDF: 30.5/43

asym_bcm_an_us_an_ds3_avg_rms vs Slug



Right In: 198.670+/-0.053 χ^2/NDF: 1179442.0/17

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 179.755+/-0.046 χ^2/NDF: 2060807.7/20

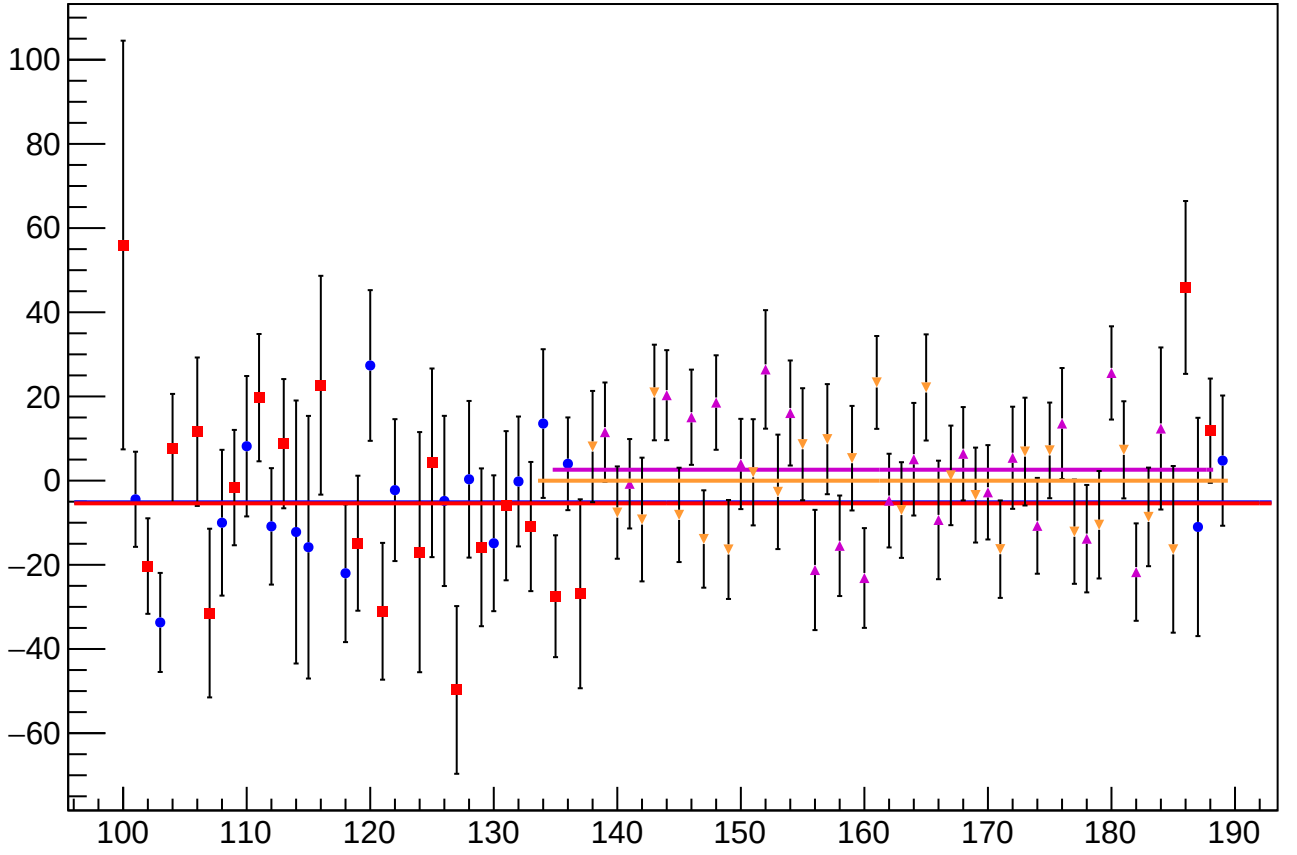
Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

+ sign 197.072+/-0.028 χ^2/NDF: 2999464.8/42

All: 187.304+/-0.019 χ^2/NDF: 6968290.5/86

- sign 178.964+/-0.026 χ^2/NDF: 3740086.6/43

asym_bcm_an_us_an_ds3_dd_mean vs Slug



Right In: -5.150+/-3.777 χ^2/NDF: 14.2/17

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: -5.396+/-3.661 χ^2/NDF: 31.8/20

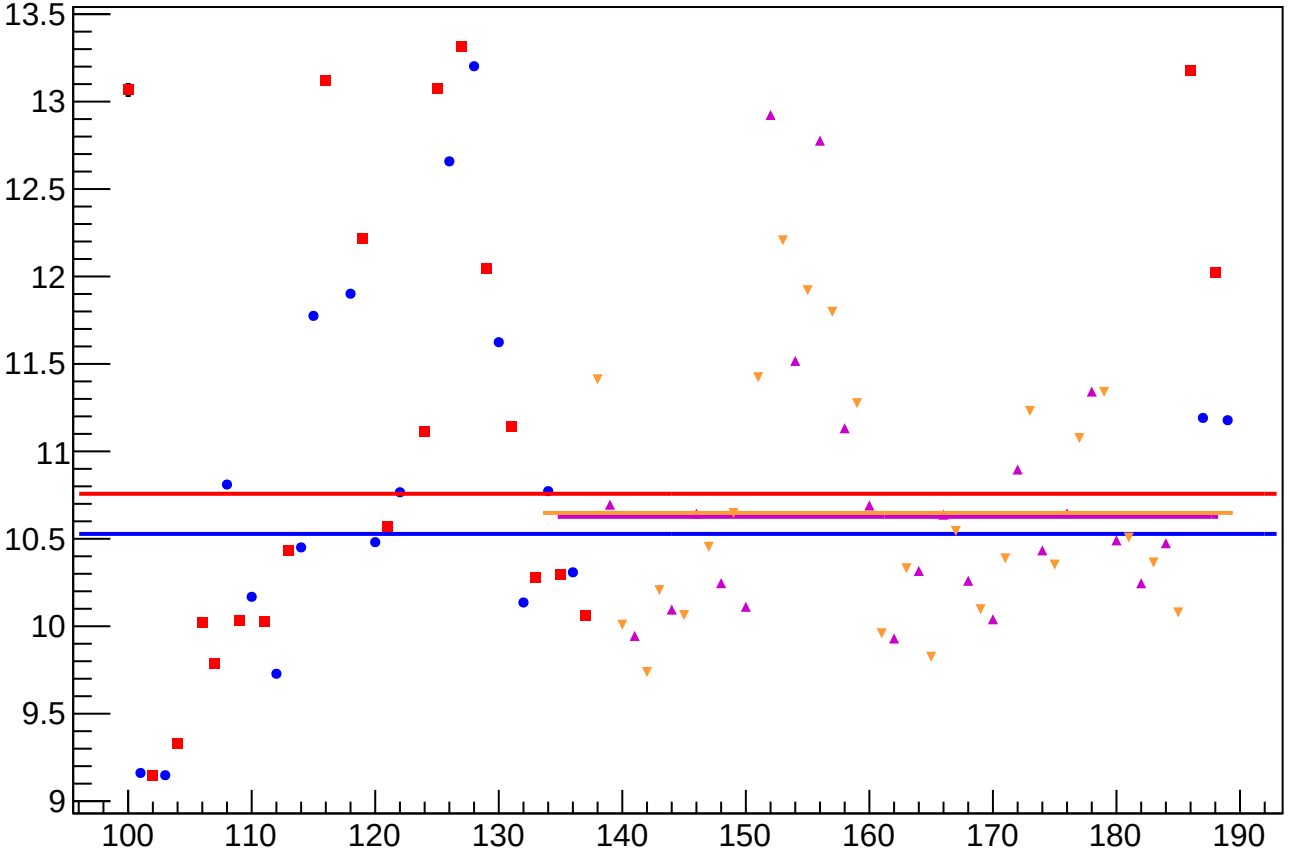
Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

+ sign -1.533+/-2.052 χ^2/NDF: 39.2/42

All: -0.751+/-1.457 χ^2/NDF: 109.3/86

- sign 0.043+/-2.068 χ^2/NDF: 69.8/43

asym_bcm_an_us_an_ds3_dd_rms vs Slug



Right In: 10.528+/-0.003 χ^2/NDF: 162631.3/17

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.757+/-0.003 χ^2/NDF: 241472.0/20

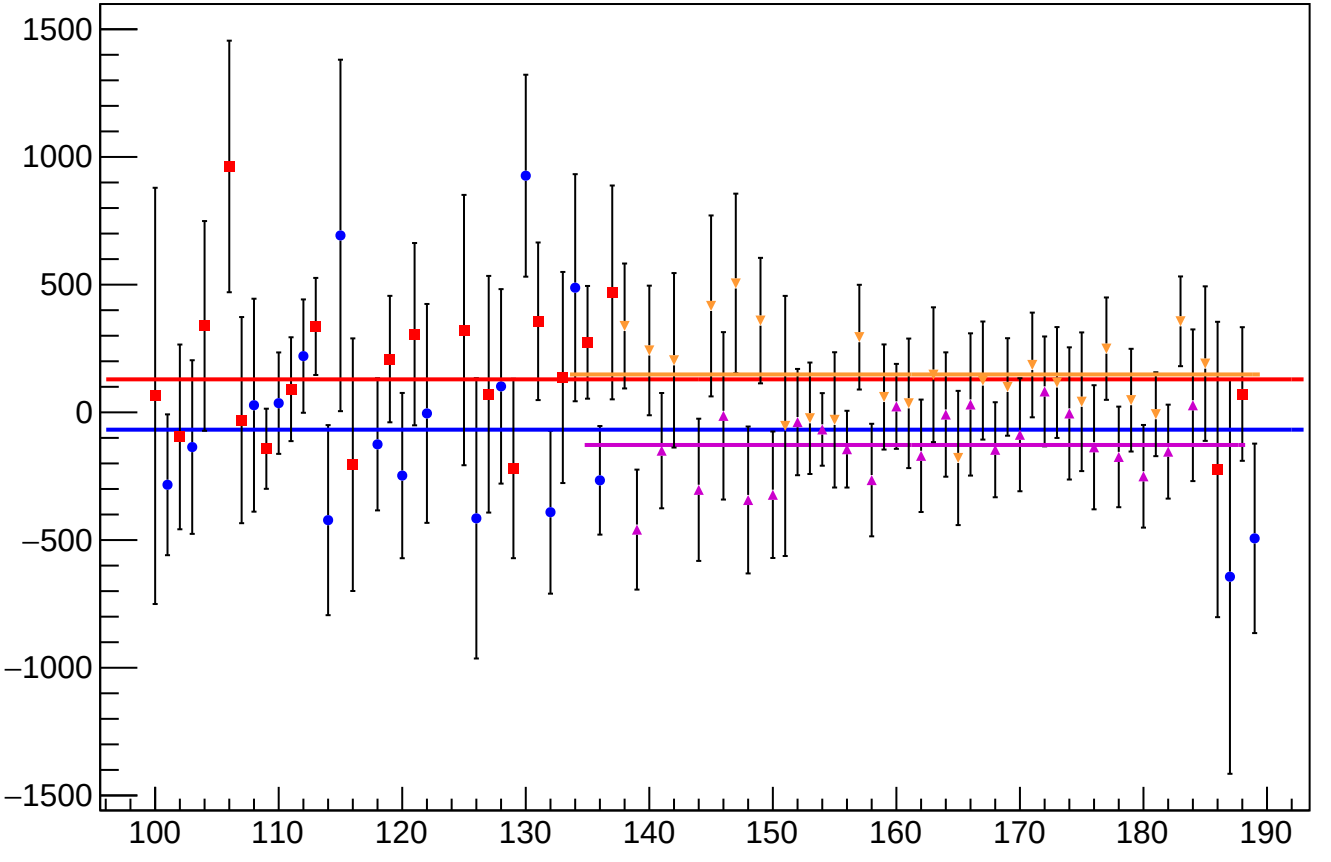
Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

+ sign 10.613+/-0.001 χ^2/NDF: 307595.0/42

All: 10.640+/-0.001 χ^2/NDF: 711087.1/86

- sign 10.668+/-0.001 χ^2/NDF: 402780.3/43

asym_bcm_dg_us_dg_ds_avg_mean vs Slug



Right In: -67.819+/-75.575 χ^2/NDF: 17.4/17

Left Out: 148.441+/-47.720 χ^2/NDF:9.9/23

Right Out: 129.220+/-67.016 χ^2/NDF: 11.9/19

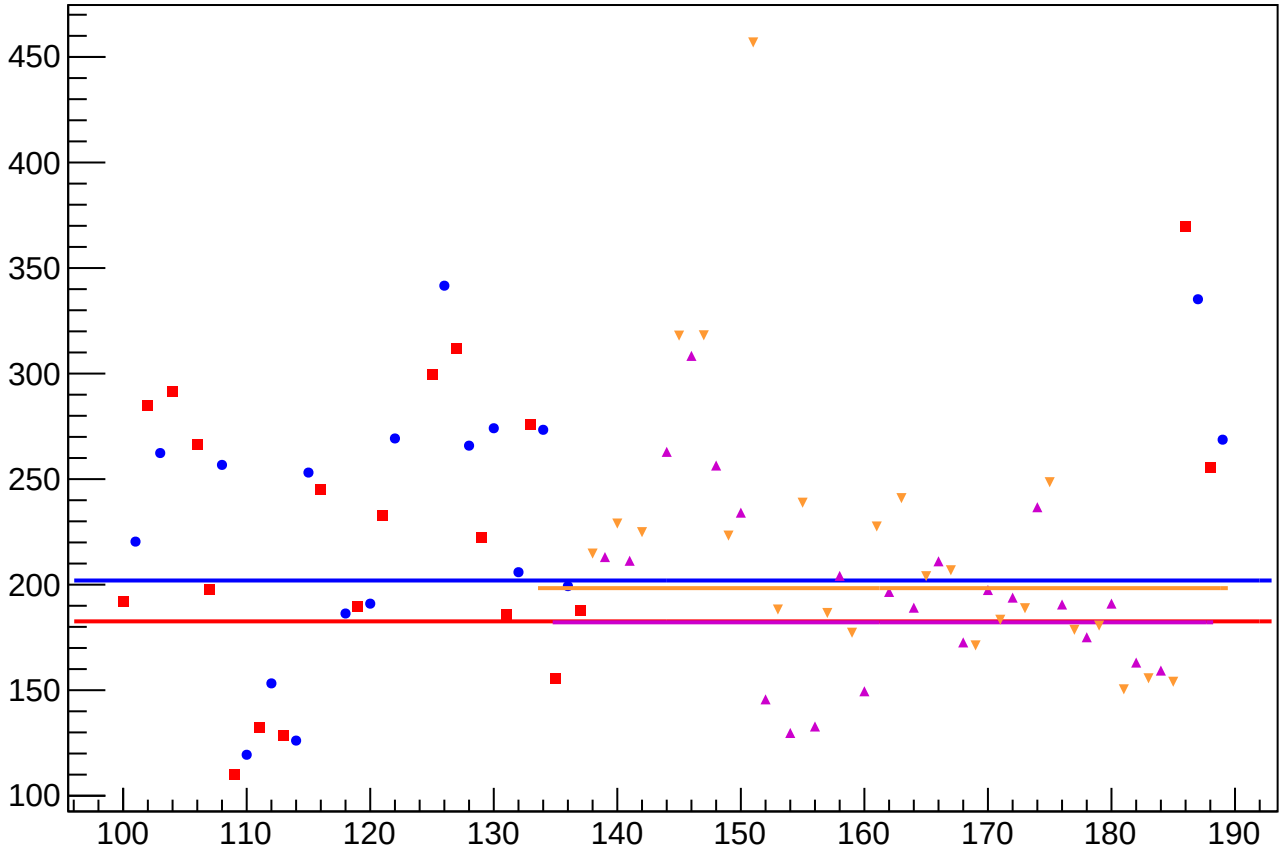
Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

+ sign 86.795+/-40.350 χ^2/NDF: 33.2/41

All: 12.934+/-27.282 χ^2/NDF: 69.3/84

- sign -49.270+/-37.029 χ^2/NDF: 30.0/42

asym_bcm_dg_us_dg_ds_avg_rms vs Slug



Right In: 201.973+/-0.053 χ^2/NDF: 1130700.3/17

Left Out: 198.351+/-0.034 χ^2/NDF:1697058.2/23

Right Out: 182.611+/-0.047 χ^2/NDF: 1926031.5/19

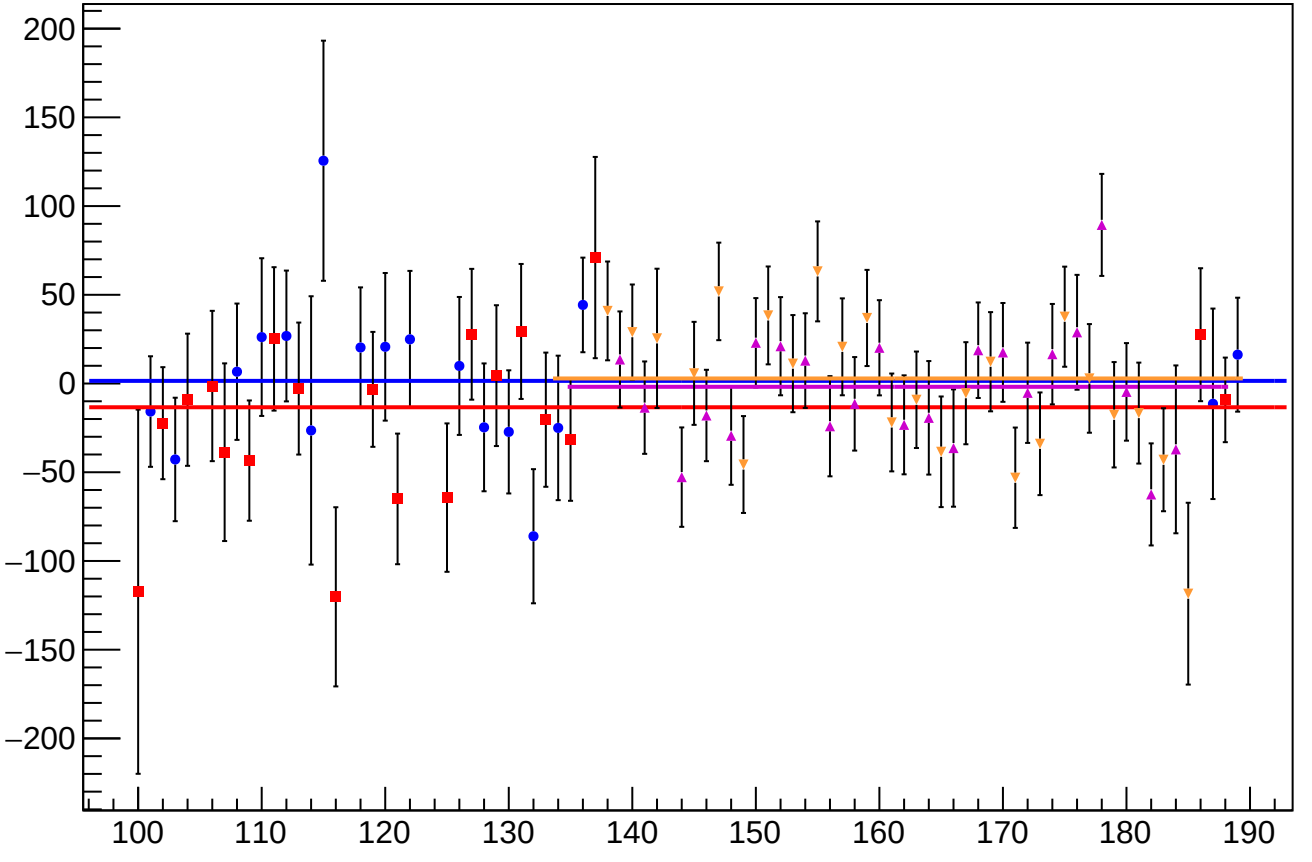
Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

+ sign 199.384+/-0.029 χ^2/NDF: 2831041.9/41

All: 190.105+/-0.019 χ^2/NDF: 6536323.0/84

- sign 182.291+/-0.026 χ^2/NDF: 3510455.3/42

asym_bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: 1.492+/-8.915 χ^2/NDF: 17.0/17

Left Out: 2.851+/-5.904 χ^2/NDF:36.9/23

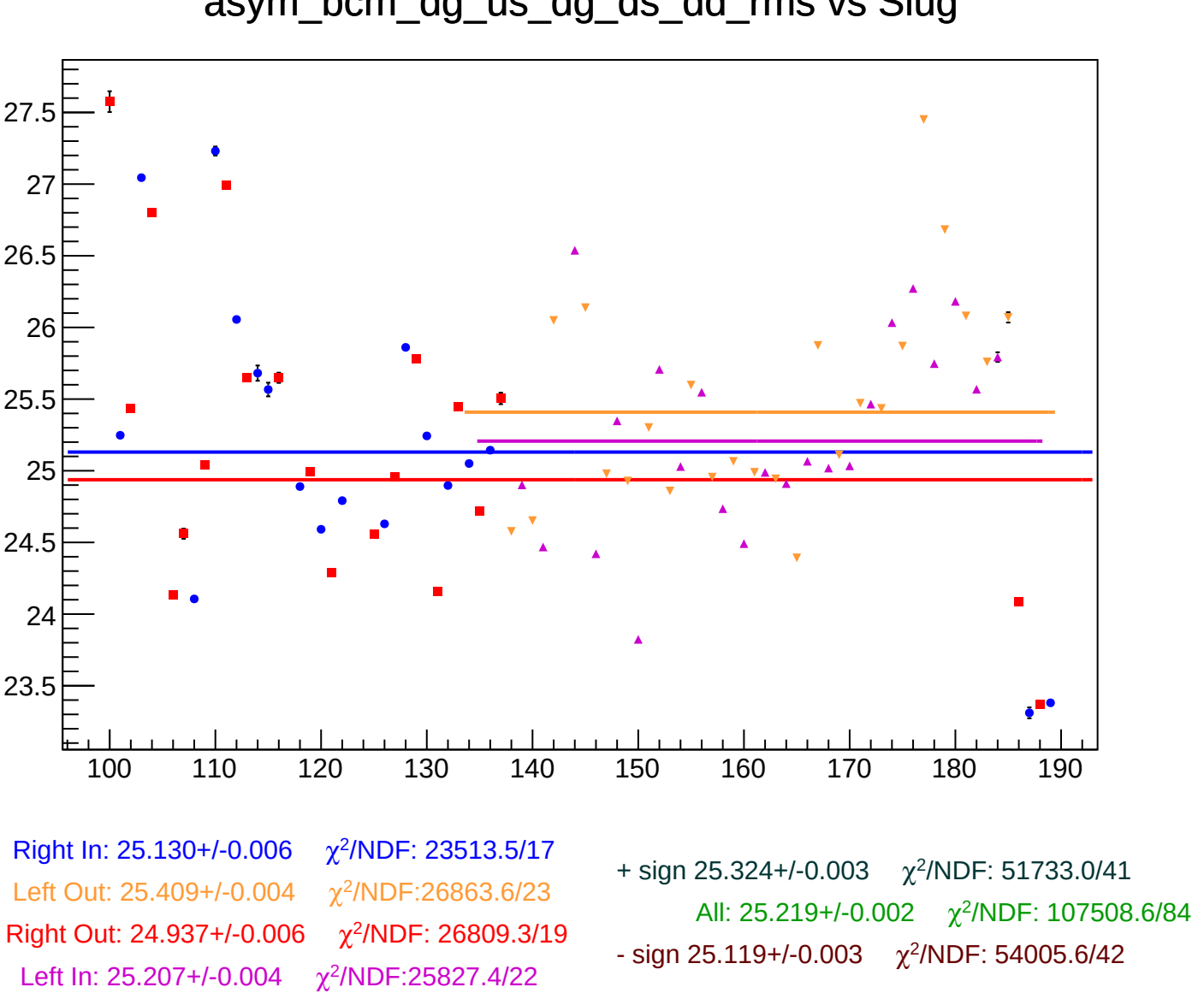
Right Out: -13.377+/-8.446 χ^2/NDF: 17.7/19

Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

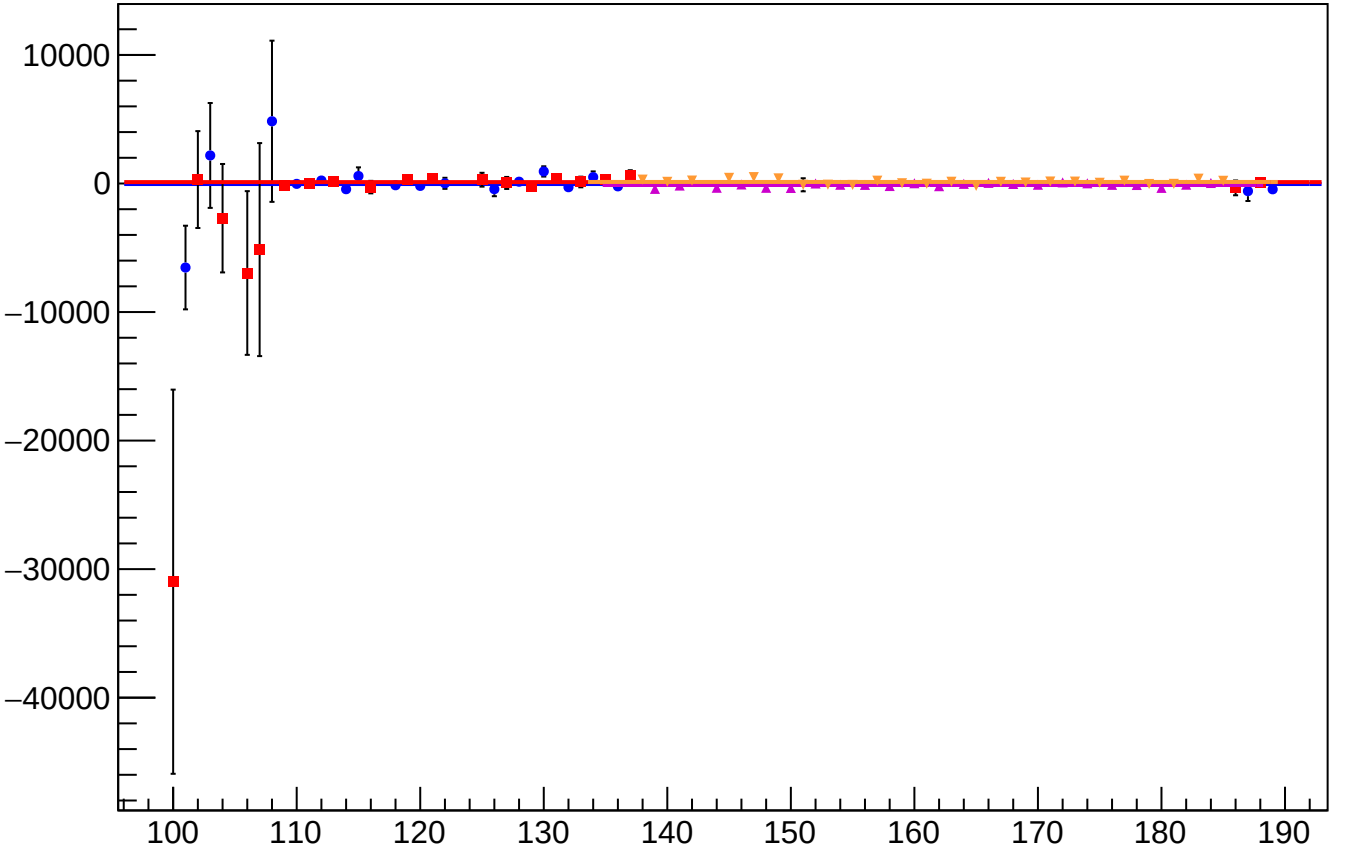
+ sign 2.436+/-4.923 χ^2/NDF: 53.9/41

All: -1.668+/-3.449 χ^2/NDF: 102.3/84

- sign -5.624+/-4.833 χ^2/NDF: 47.0/42


asym_bcm_dg_us_dg_ds_dd_rms vs Slug
27.5
27
26.5
26
25.5
25
24.5
24
23.5
100
110
120
130
140
150
160
170
180
190
Right In: 25.130+/-0.006 χ²/NDF: 23513.5/17
Left Out: 25.409+/-0.004 χ²/NDF:26863.6/23
Right Out: 24.937+/-0.006 χ²/NDF: 26809.3/19
Left In: 25.207+/-0.004 χ²/NDF:25827.4/22
+ sign 25.324+/-0.003 χ²/NDF: 51733.0/41
All: 25.219+/-0.002 χ²/NDF: 107508.6/84
- sign 25.119+/-0.003 χ²/NDF: 54005.6/42

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug



Right In: -41.052+/-81.874 χ^2/NDF: 20.2/17

Left Out: 120.221+/-47.440 χ^2/NDF:11.9/23

Right Out: 109.030+/-74.339 χ^2/NDF: 15.0/19

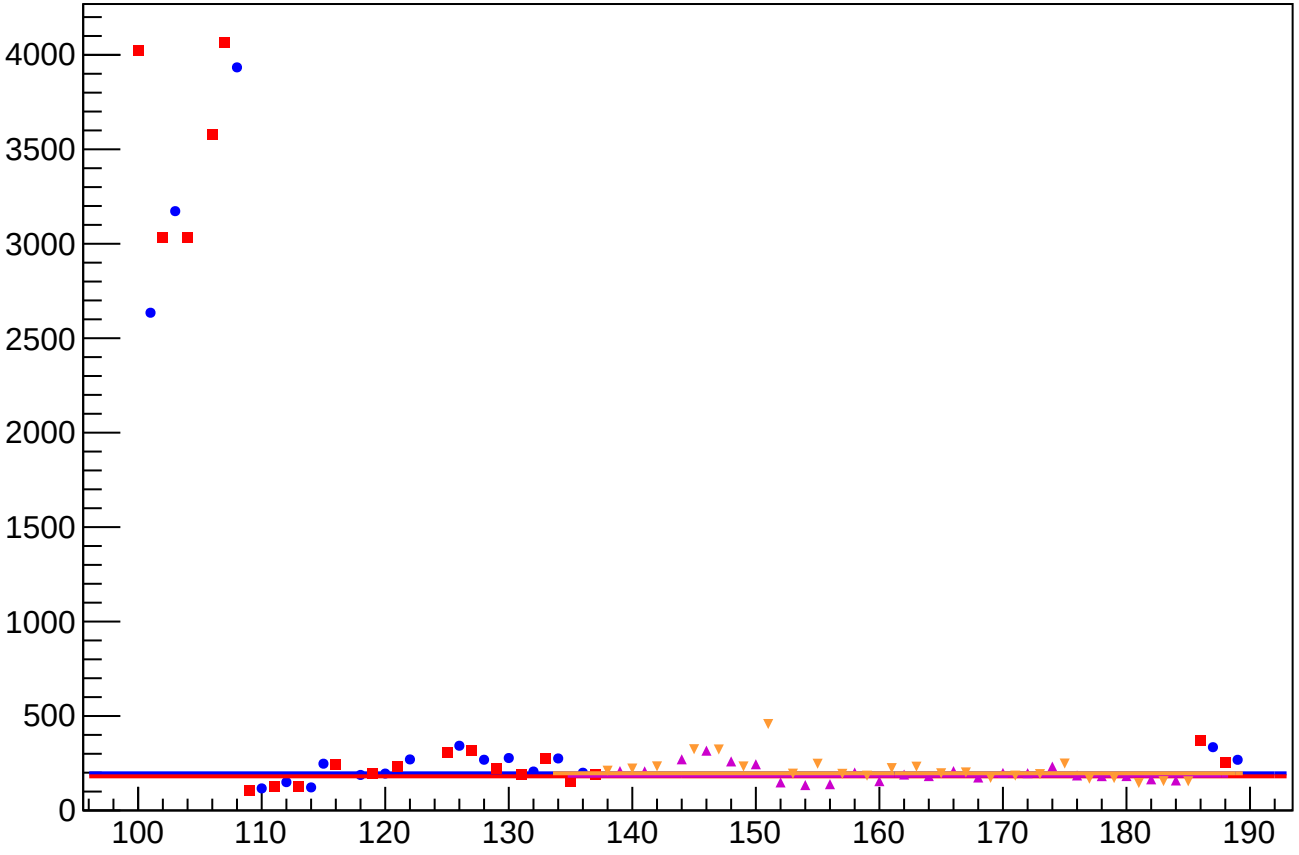
Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign 79.685+/-41.047 χ^2/NDF: 35.0/41

All: 7.124+/-28.027 χ^2/NDF: 71.0/84

- sign -56.253+/-38.362 χ^2/NDF: 30.2/42

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug



Right In: 196.462+/-0.058 χ^2/NDF: 3981636.7/17

Left Out: 196.935+/-0.034 χ^2/NDF:1809266.5/23

Right Out: 180.663+/-0.053 χ^2/NDF: 4664965.6/19

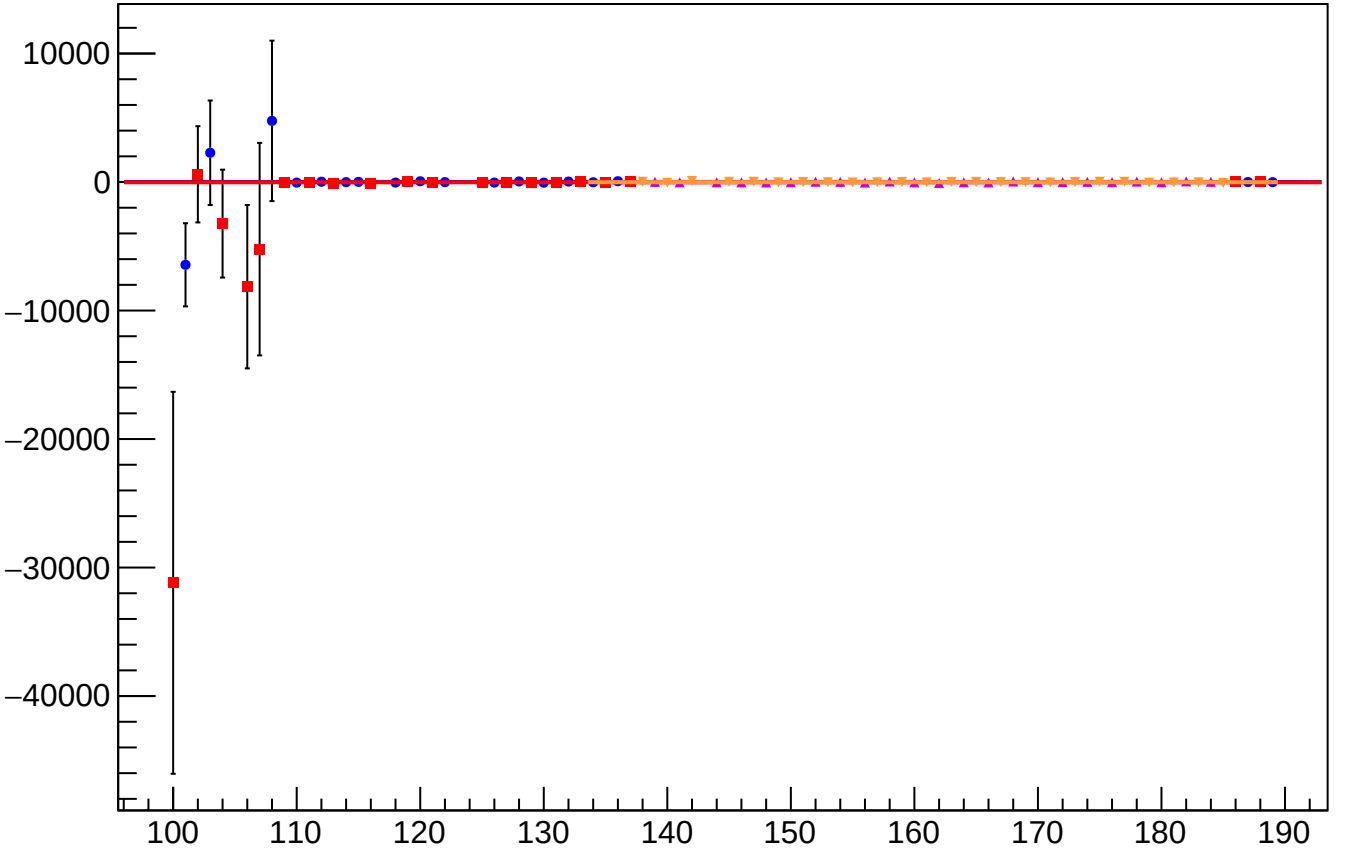
Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 196.816+/-0.029 χ^2/NDF: 5790953.2/41

All: 189.521+/-0.020 χ^2/NDF: 12022752.6/84

- sign 183.149+/-0.027 χ^2/NDF: 6113440.0/42

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug



Right In: 4.860+/-11.021 χ^2/NDF: 18.5/17

Left Out: -11.111+/-6.653 χ^2/NDF:17.5/23

Right Out: -18.853+/-10.878 χ^2/NDF: 25.2/19

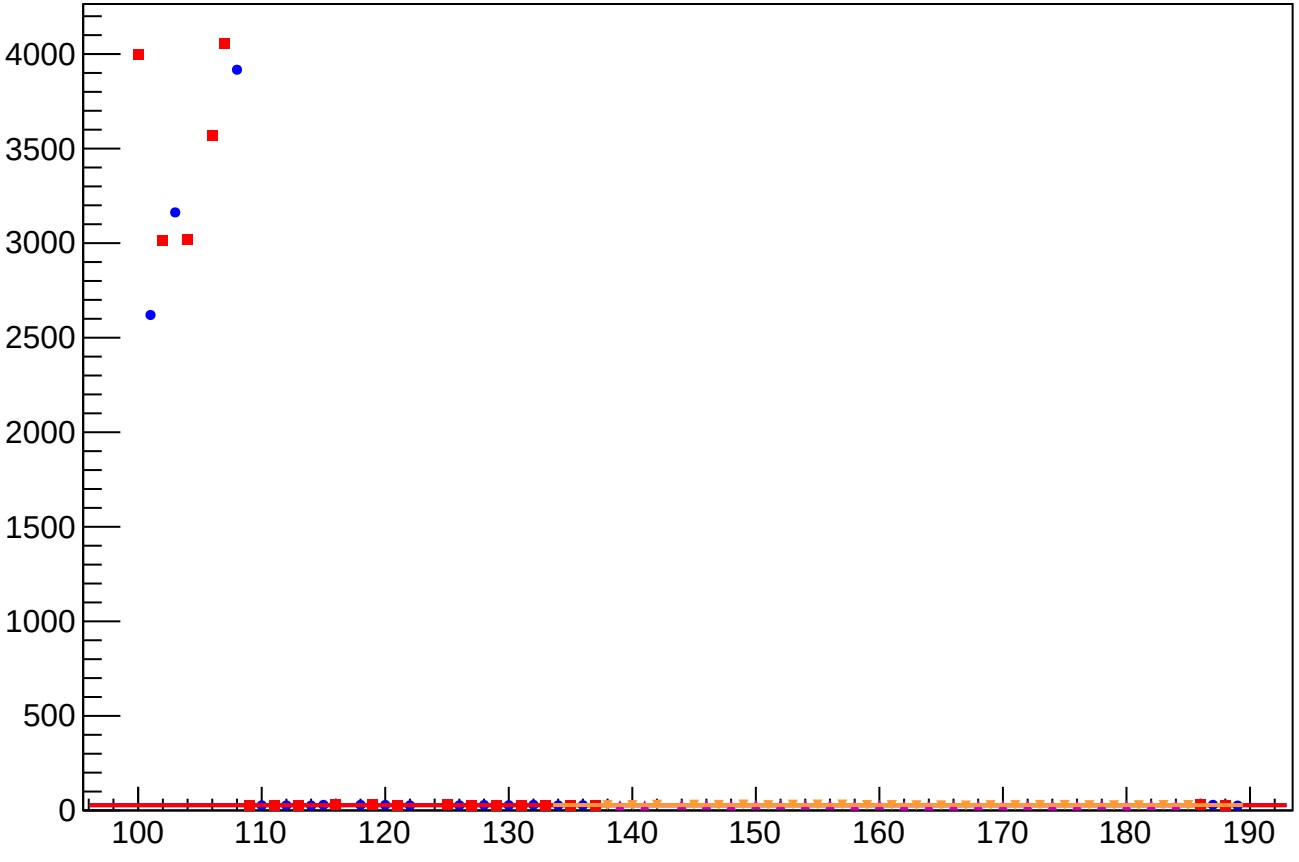
Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

+ sign -6.846+/-5.696 χ^2/NDF: 37.5/41

All: -6.964+/-4.038 χ^2/NDF: 86.6/84

- sign -7.084+/-5.725 χ^2/NDF: 49.0/42

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug



Right In: 27.674+/-0.008 χ^2/NDF: 3273467.6/17

Left Out: 28.592+/-0.005 χ^2/NDF:80997.4/23

Right Out: 27.997+/-0.008 χ^2/NDF: 3568325.0/19

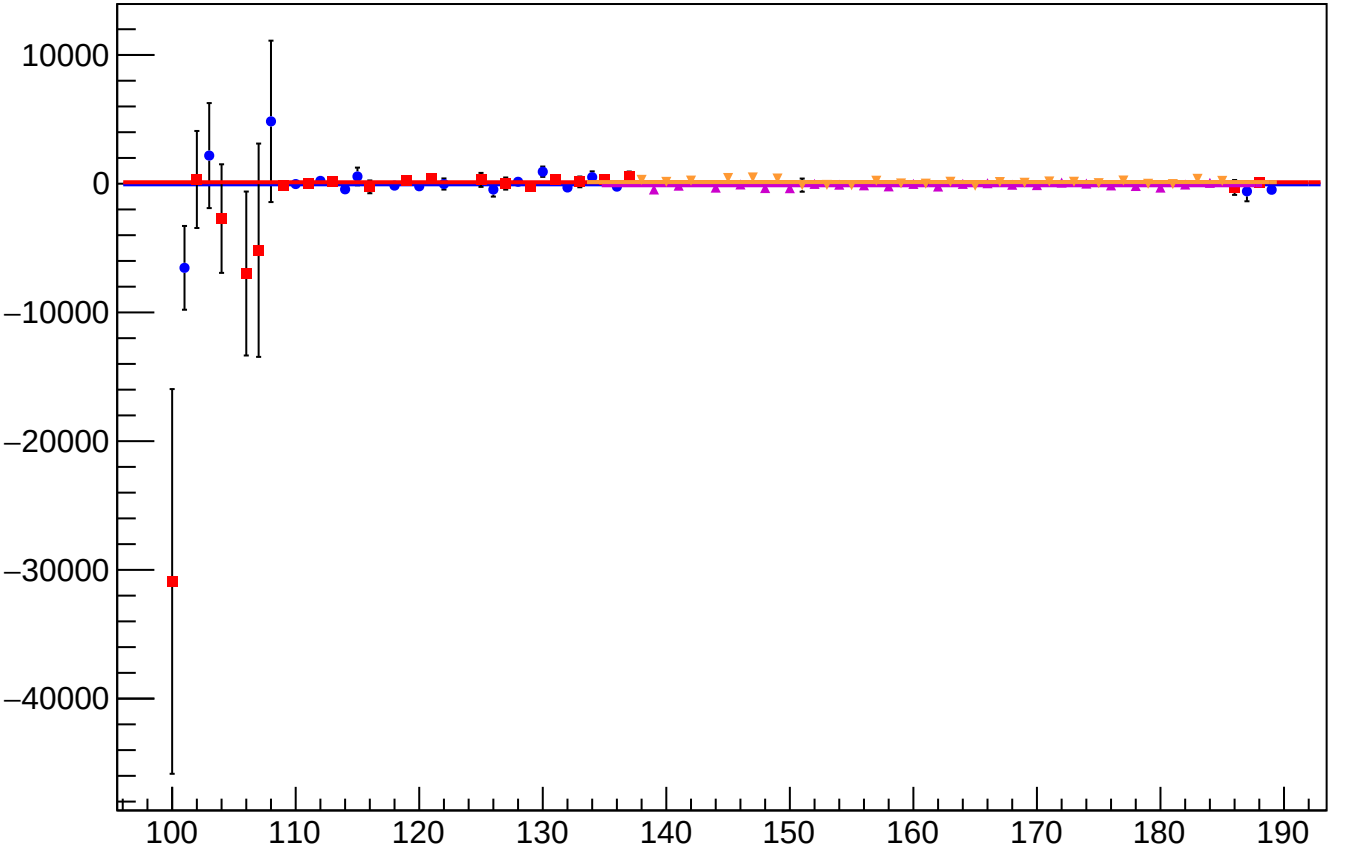
Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

\+ sign 28.347+/-0.004 χ^2/NDF: 3364642.2/41

All: 28.436+/-0.003 χ^2/NDF: 7067854.6/84

\- sign 28.525+/-0.004 χ^2/NDF: 3702238.4/42

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug



Right In: -48.308+/-82.444 χ^2/NDF: 20.1/17

Left Out: 126.373+/-47.852 χ^2/NDF:11.6/23

Right Out: 112.750+/-74.855 χ^2/NDF: 13.8/19

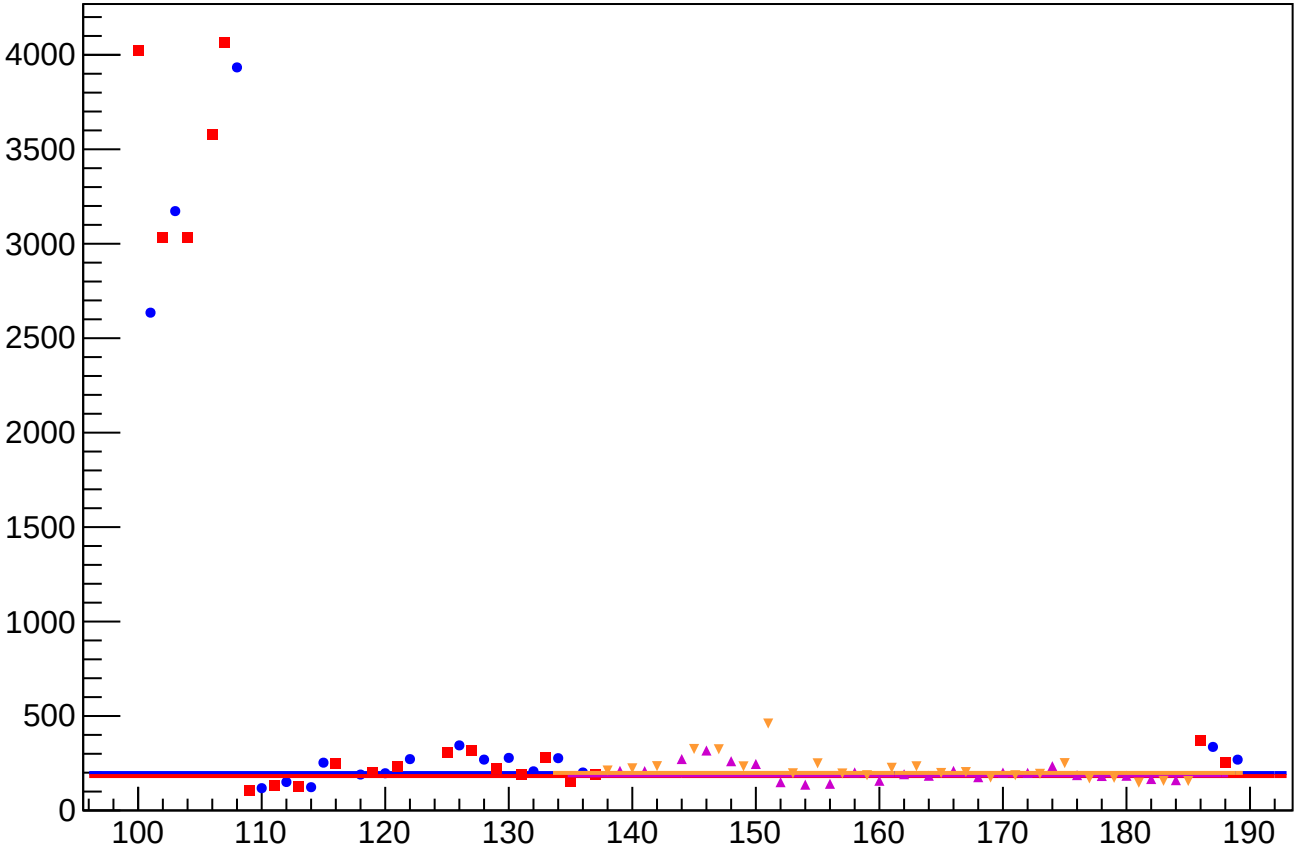
Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

+ sign 82.354+/-41.386 χ^2/NDF: 35.0/41

All: 6.462+/-28.264 χ^2/NDF: 70.4/84

- sign -59.871+/-38.692 χ^2/NDF: 29.0/42

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug



Right In: 197.956+/-0.058 χ^2/NDF: 3967876.1/17

Left Out: 198.736+/-0.034 χ^2/NDF:1786406.6/23

Right Out: 182.072+/-0.053 χ^2/NDF: 4649231.6/19

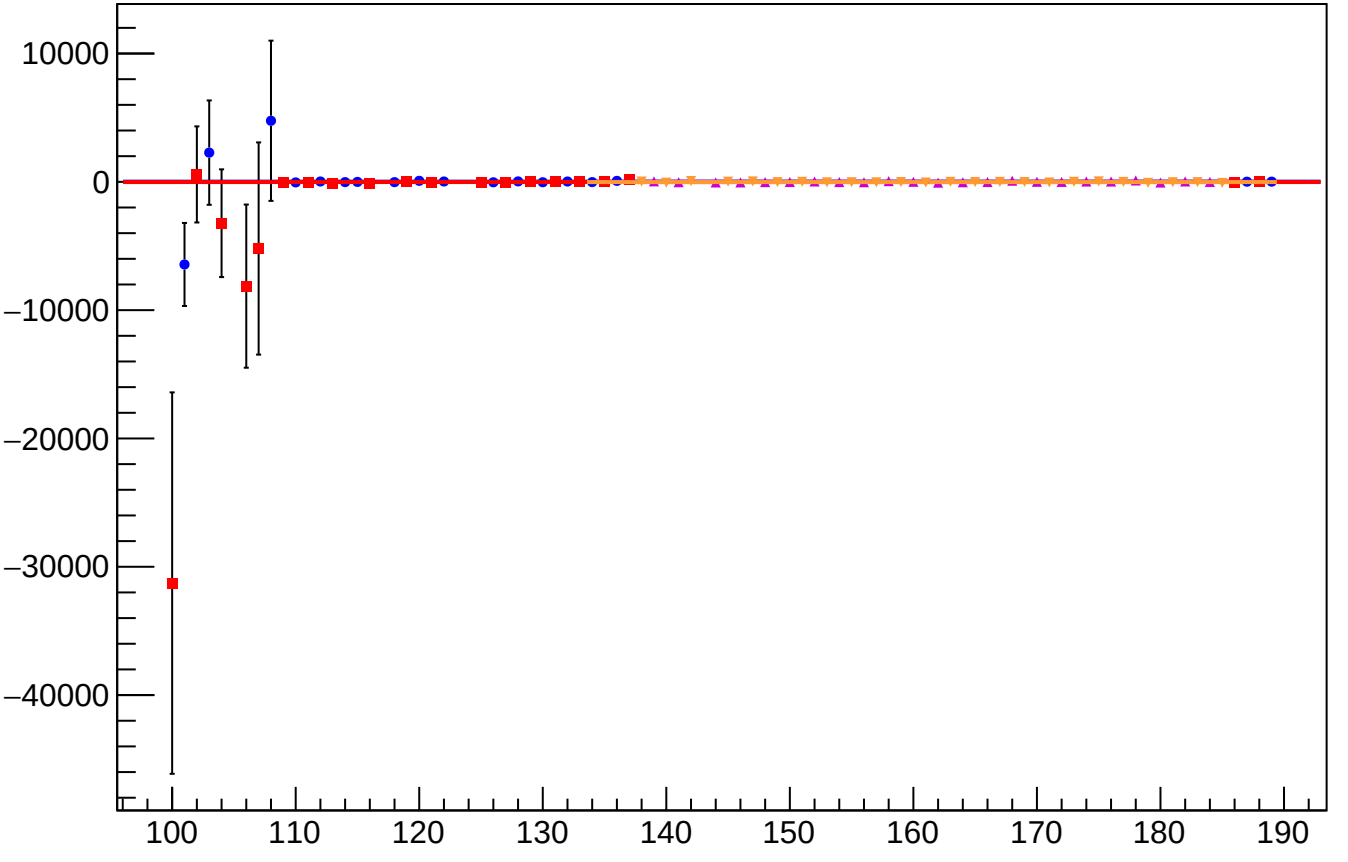
Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 198.540+/-0.029 χ^2/NDF: 5754416.7/41

All: 191.238+/-0.020 χ^2/NDF: 11929609.3/84

- sign 184.856+/-0.027 χ^2/NDF: 6058533.1/42

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug



Right In: 13.859+/-12.230 χ^2/NDF: 15.5/17

Left Out: -18.187+/-7.260 χ^2/NDF:20.3/23

Right Out: -16.026+/-12.015 χ^2/NDF: 30.4/19

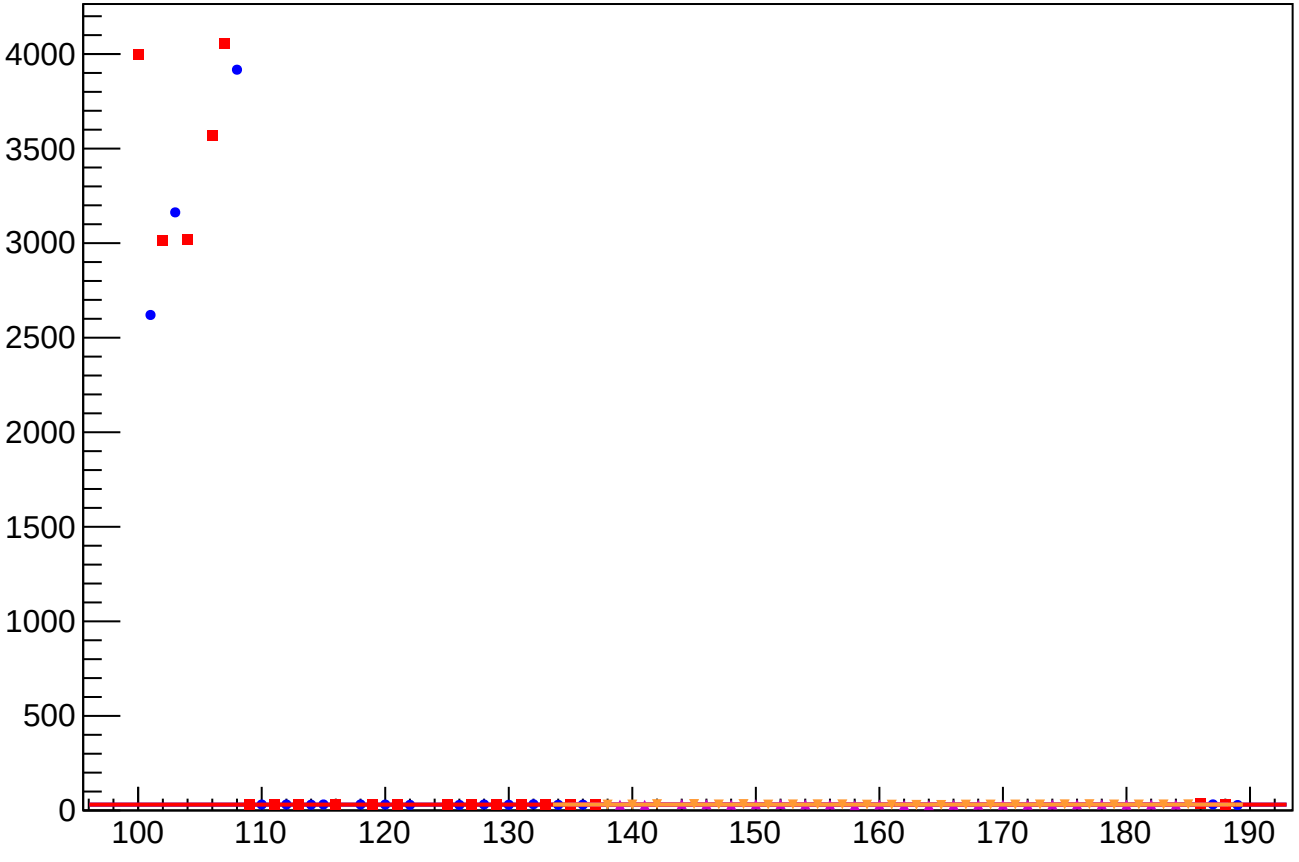
Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

+ sign -9.838+/-6.243 χ^2/NDF: 40.8/41

All: -6.130+/-4.423 χ^2/NDF: 109.2/84

- sign -2.391+/-6.269 χ^2/NDF: 67.7/42

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug



Right In: 30.743+/-0.009 χ^2/NDF: 3259054.5/17

Left Out: 31.221+/-0.005 χ^2/NDF:47423.0/23

Right Out: 30.965+/-0.008 χ^2/NDF: 3545211.1/19

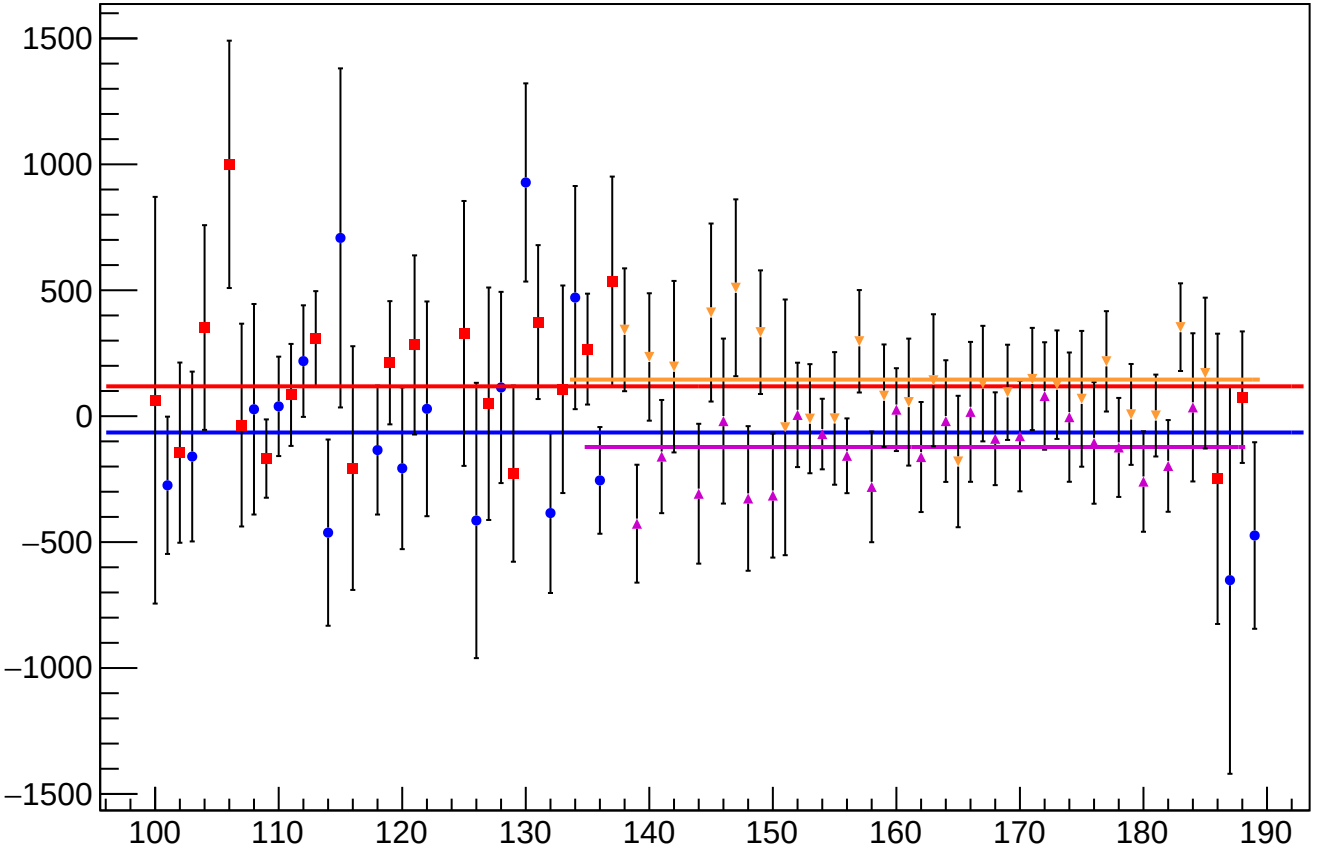
Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

\+ sign 31.097+/-0.004 χ^2/NDF: 3308740.2/41

All: 31.181+/-0.003 χ^2/NDF: 6941651.8/84

\- sign 31.267+/-0.004 χ^2/NDF: 3632176.0/42

asym_bcm_dg_us_an_us_avg_mean vs Slug



Right In: -64.760+/-75.157 χ^2/NDF: 17.5/17

Left Out: 145.314+/-47.390 χ^2/NDF:9.4/23

Right Out: 118.533+/-66.607 χ^2/NDF: 13.2/19

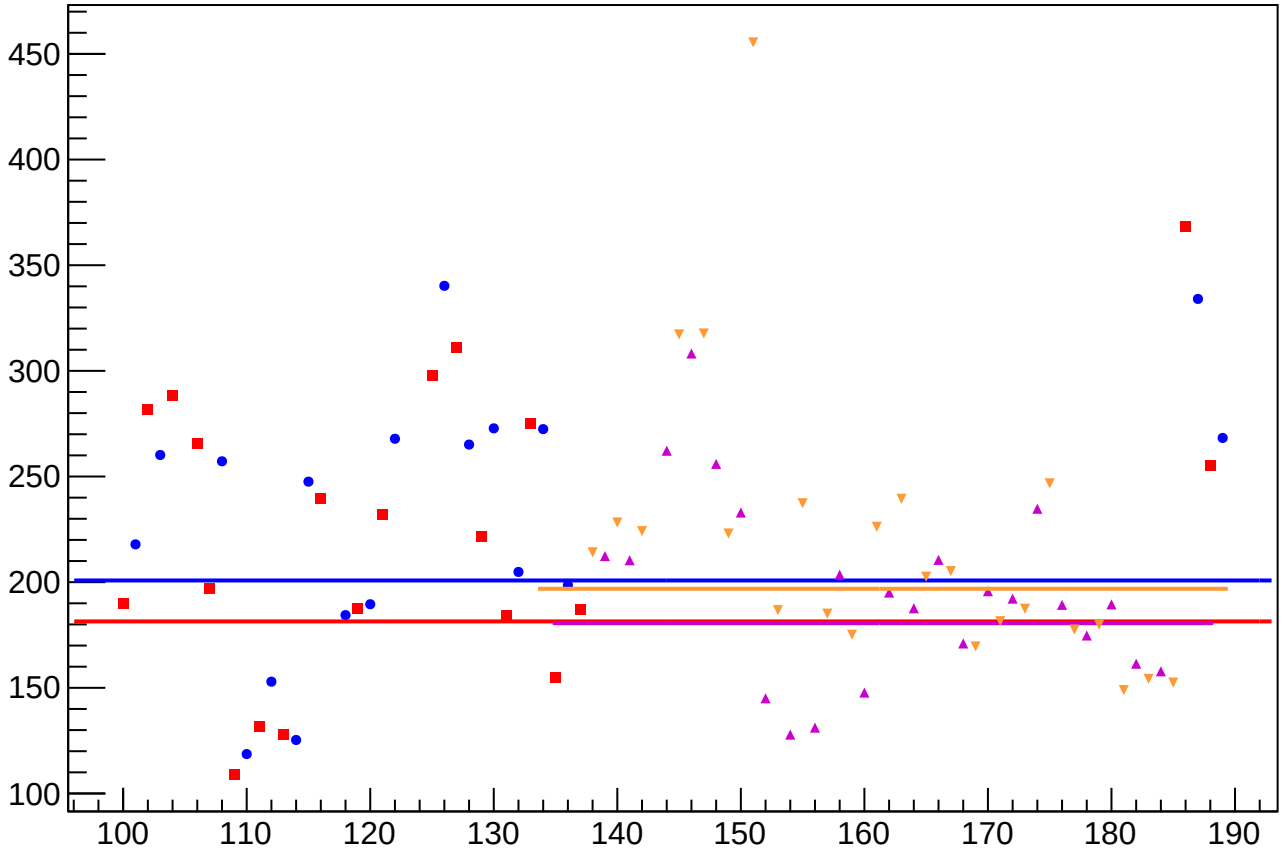
Left In: -122.376+/-44.081 χ^2/NDF:7.9/22

+ sign 85.551+/-40.087 χ^2/NDF: 32.5/41

All: 12.462+/-27.093 χ^2/NDF: 68.8/84

- sign -48.998+/-36.760 χ^2/NDF: 30.2/42

asym_bcm_dg_us_an_us_avg_rms vs Slug



Right In: 200.809+/-0.053 χ^2/NDF: 1133263.1/17

Left Out: 196.873+/-0.034 χ^2/NDF:1725106.9/23

Right Out: 181.425+/-0.047 χ^2/NDF: 1928938.2/19

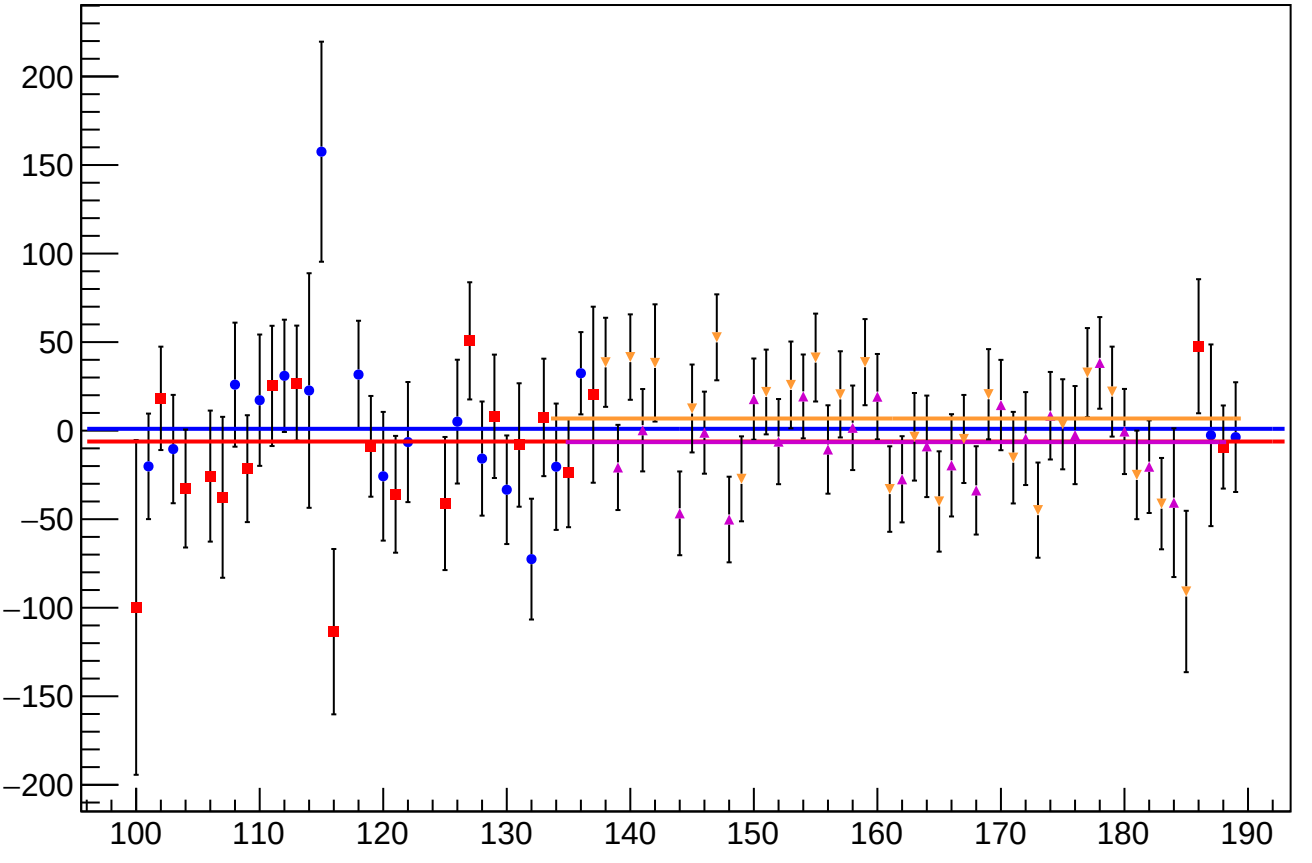
Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

+ sign 197.993+/-0.028 χ^2/NDF: 2862294.5/41

All: 188.682+/-0.019 χ^2/NDF: 6618148.6/84

- sign 180.852+/-0.026 χ^2/NDF: 3557223.0/42

asym_bcm_dg_us_an_us_dd_mean vs Slug



Right In: 1.036+/-7.982 χ^2/NDF: 18.7/17

Left Out: 6.857+/-5.229 χ^2/NDF:36.8/23

Right Out: -6.139+/-7.652 χ^2/NDF: 18.1/19

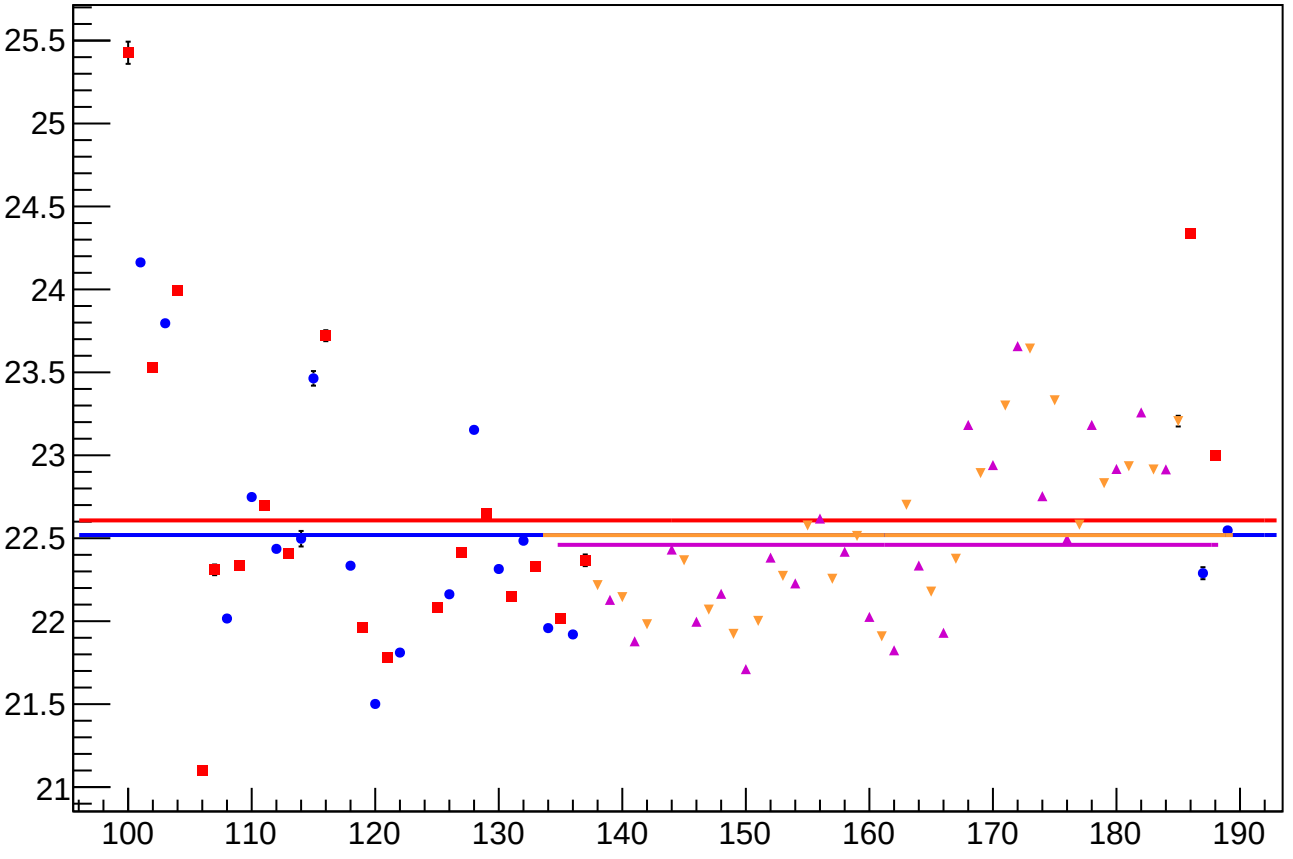
Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign 5.110+/-4.374 χ^2/NDF: 55.9/41

All: -0.693+/-3.076 χ^2/NDF: 95.0/84

- sign -6.372+/-4.327 χ^2/NDF: 35.6/42

asym_bcm_dg_us_an_us_dd_rms vs Slug



Right In: 22.519+/-0.006 χ^2/NDF: 15990.2/17

Left Out: 22.519+/-0.004 χ^2/NDF:15998.2/23

Right Out: 22.608+/-0.005 χ^2/NDF: 20779.8/19

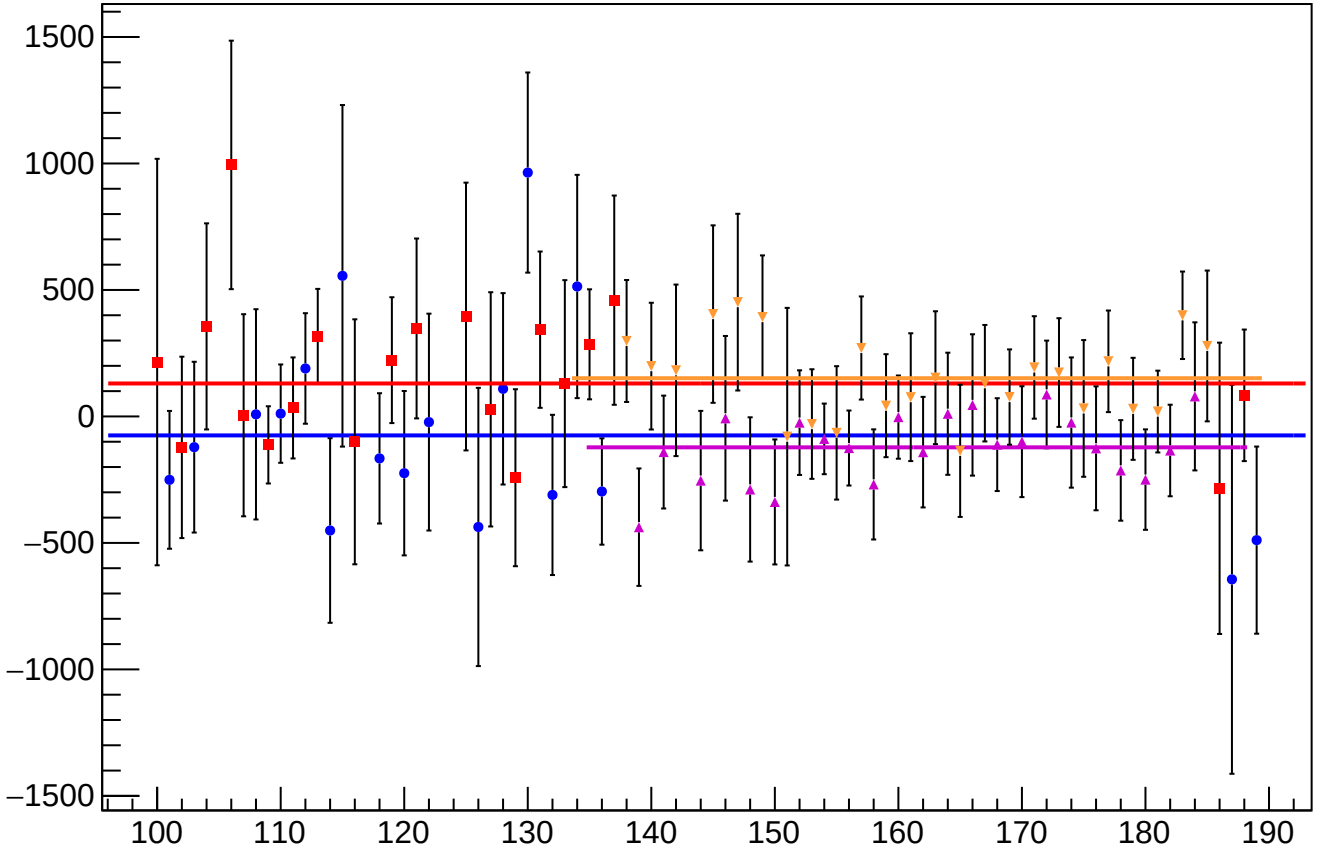
Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

+ sign 22.519+/-0.003 χ^2/NDF: 31988.4/41

All: 22.513+/-0.002 χ^2/NDF: 72396.7/84

- sign 22.507+/-0.003 χ^2/NDF: 40401.0/42

asym_bcm_dg_ds_an_us_avg_mean vs Slug



Right In: -75.018+/-74.837 χ^2/NDF: 17.2/17

Left Out: 151.108+/-47.316 χ^2/NDF:10.0/23

Right Out: 130.323+/-66.150 χ^2/NDF: 12.1/19

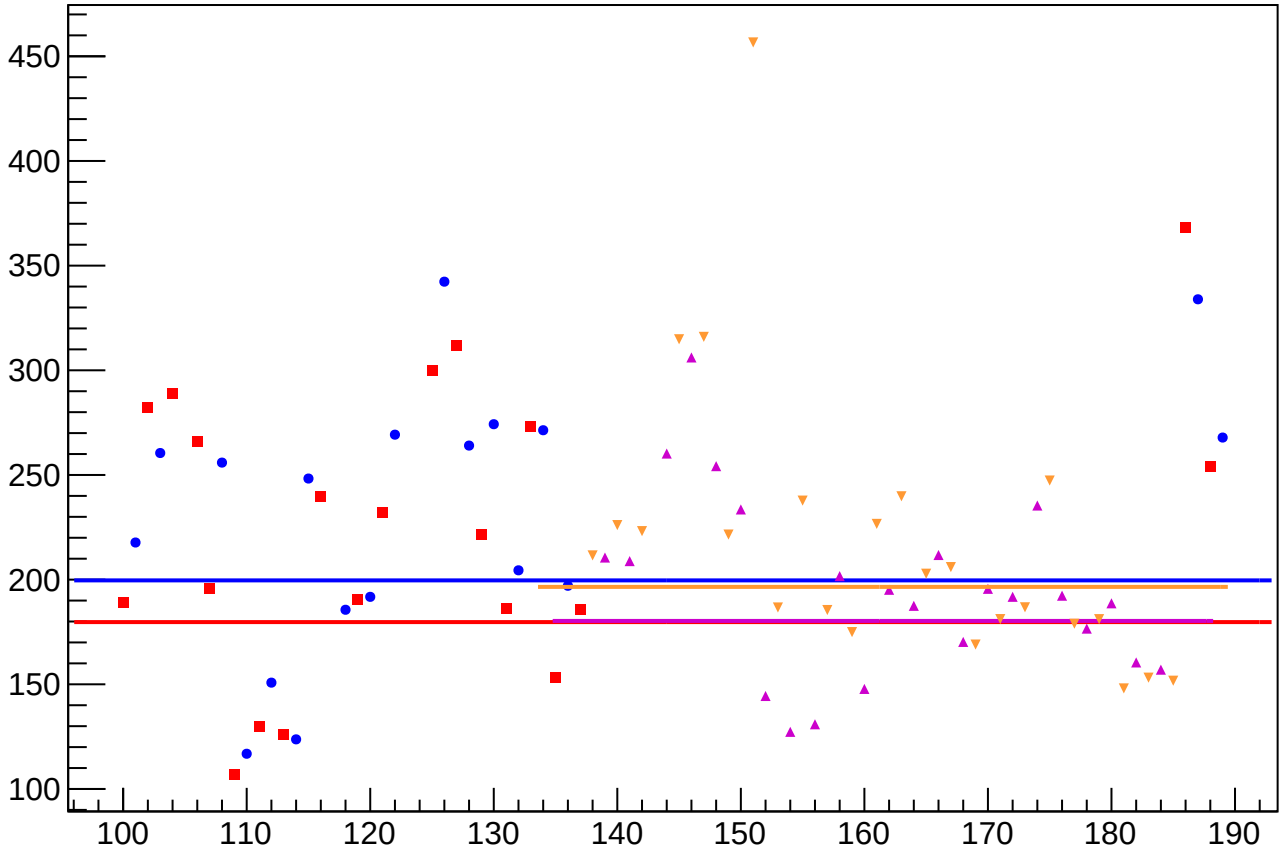
Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

+ sign 86.530+/-39.993 χ^2/NDF: 33.7/41

All: 15.180+/-27.016 χ^2/NDF: 69.3/84

- sign -44.706+/-36.639 χ^2/NDF: 29.7/42

asym_bcm_dg_ds_an_us_avg_rms vs Slug



Right In: 199.643+/-0.053 χ^2/NDF: 1176738.0/17

Left Out: 196.533+/-0.033 χ^2/NDF:1727888.6/23

Right Out: 179.719+/-0.047 χ^2/NDF: 2004925.7/19

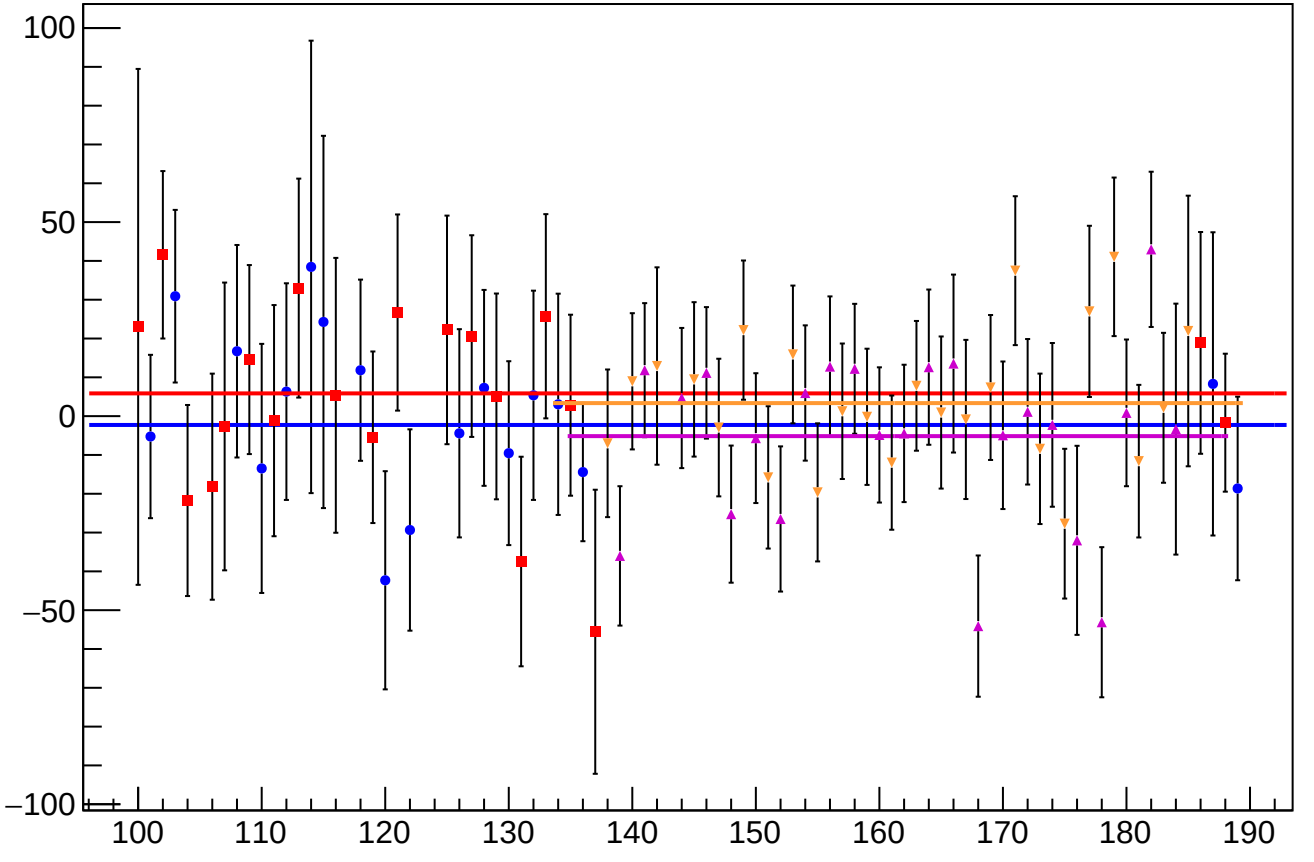
Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

+ sign 197.421+/-0.028 χ^2/NDF: 2907093.1/41

All: 188.006+/-0.019 χ^2/NDF: 6740676.8/84

- sign 180.104+/-0.026 χ^2/NDF: 3629706.0/42

asym_bcm_dg_ds_an_us_dd_mean vs Slug



Right In: -2.273+/-6.187 χ^2/NDF: 8.6/17

Left Out: 3.359+/-3.905 χ^2/NDF:17.7/23

Right Out: 5.862+/-5.949 χ^2/NDF: 13.8/19

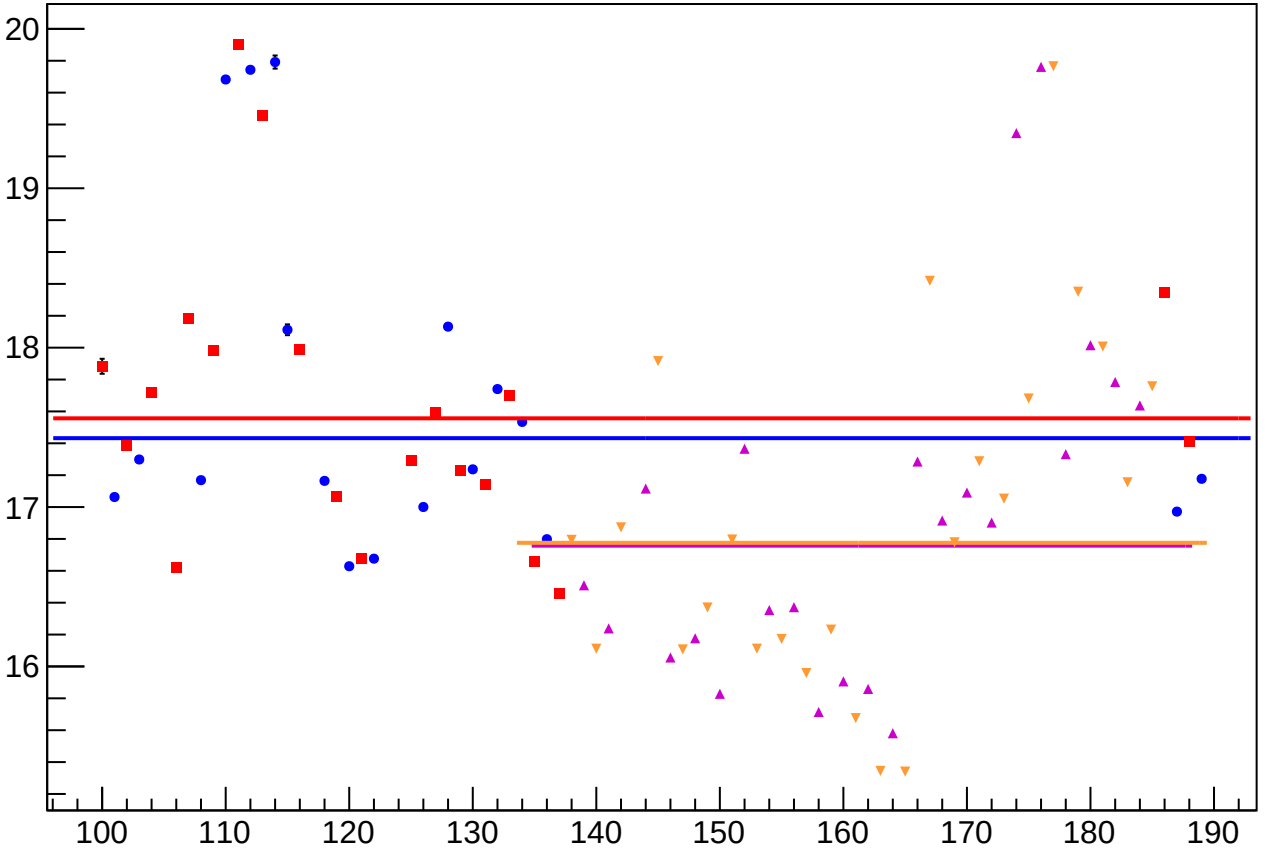
Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign 1.755+/-3.302 χ^2/NDF: 26.9/41

All: -0.042+/-2.326 χ^2/NDF: 76.0/84

- sign -1.811+/-3.276 χ^2/NDF: 48.5/42

asym_bcm_dg_ds_an_us_dd_rms vs Slug



Right In: 17.432+/-0.004 χ^2/NDF: 37209.2/17

Left Out: 16.776+/-0.003 χ^2/NDF:136142.5/23

Right Out: 17.557+/-0.004 χ^2/NDF: 36151.3/19

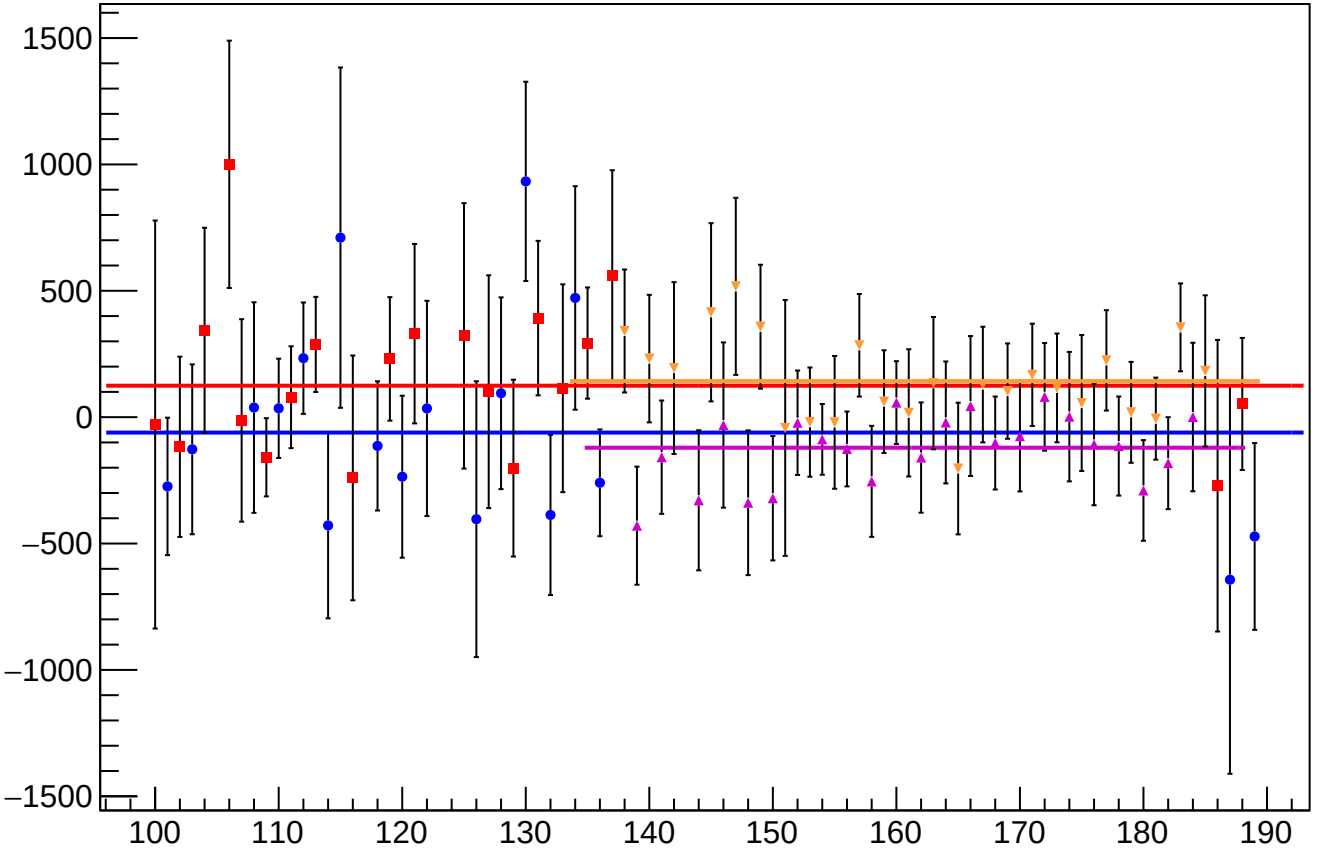
Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

+ sign 16.963+/-0.002 χ^2/NDF: 189452.2/41

All: 16.982+/-0.002 χ^2/NDF: 374169.0/84

- sign 17.000+/-0.002 χ^2/NDF: 184588.1/42

asym_bcm_dg_us_an_ds_avg_mean vs Slug



Right In: -60.890+/-74.942 χ^2/NDF: 17.6/17

Left Out: 142.696+/-47.288 χ^2/NDF:10.2/23

Right Out: 124.526+/-66.410 χ^2/NDF: 13.4/19

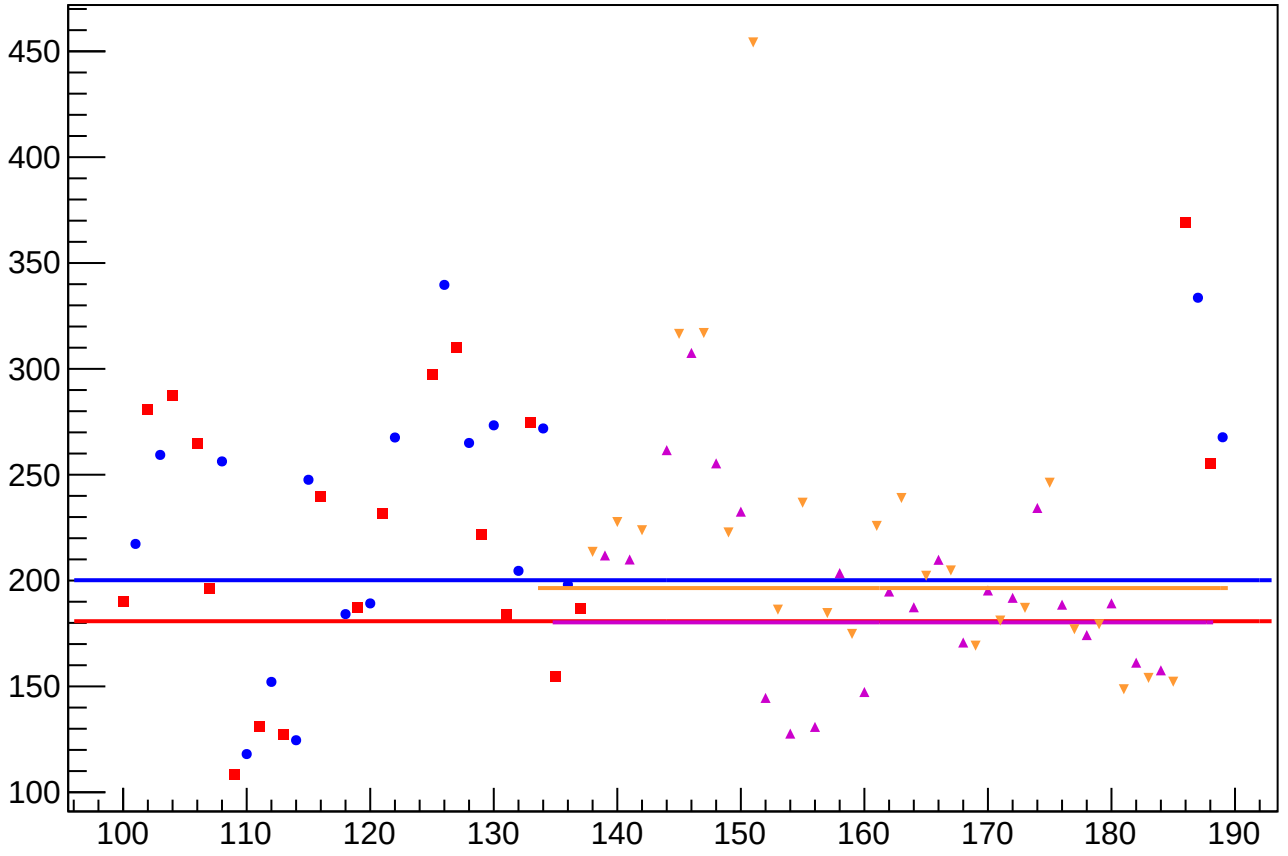
Left In: -120.888+/-43.994 χ^2/NDF:8.2/22

+ sign 84.722+/-39.992 χ^2/NDF: 33.0/41

All: 13.699+/-27.030 χ^2/NDF: 69.9/84

- sign -46.035+/-36.676 χ^2/NDF: 31.1/42

asym_bcm_dg_us_an_ds_avg_rms vs Slug



Right In: 200.163+/-0.053 χ^2/NDF: 1144306.6/17

Left Out: 196.452+/-0.033 χ^2/NDF:1723529.1/23

Right Out: 180.795+/-0.047 χ^2/NDF: 1944658.4/19

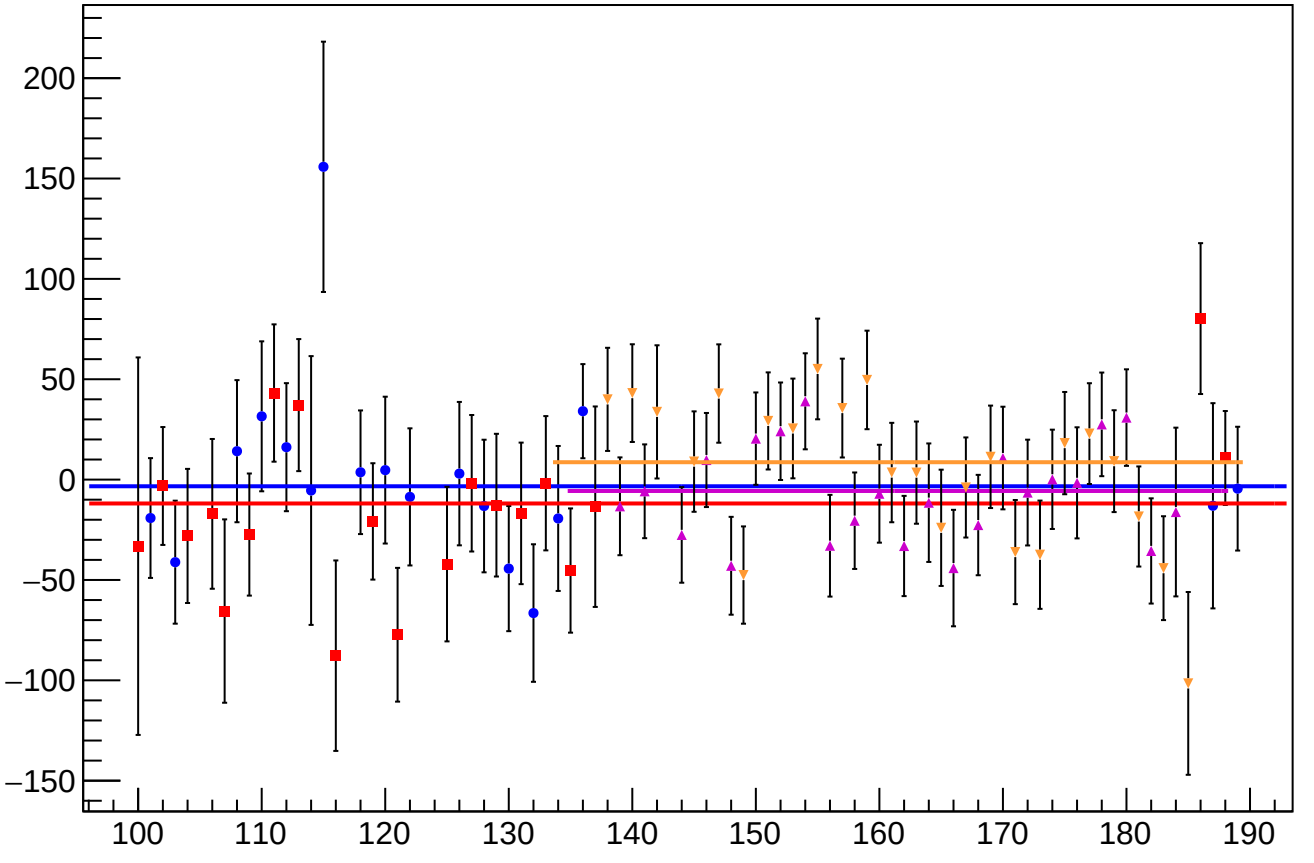
Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

+ sign 197.509+/-0.028 χ^2/NDF: 2871343.4/41

All: 188.224+/-0.019 χ^2/NDF: 6642346.5/84

- sign 180.415+/-0.026 χ^2/NDF: 3572529.6/42

asym_bcm_dg_us_an_ds_dd_mean vs Slug



Right In: -3.323+/-8.051 χ^2/NDF: 18.0/17

Left Out: 8.664+/-5.275 χ^2/NDF:39.2/23

Right Out: -11.895+/-7.722 χ^2/NDF: 22.3/19

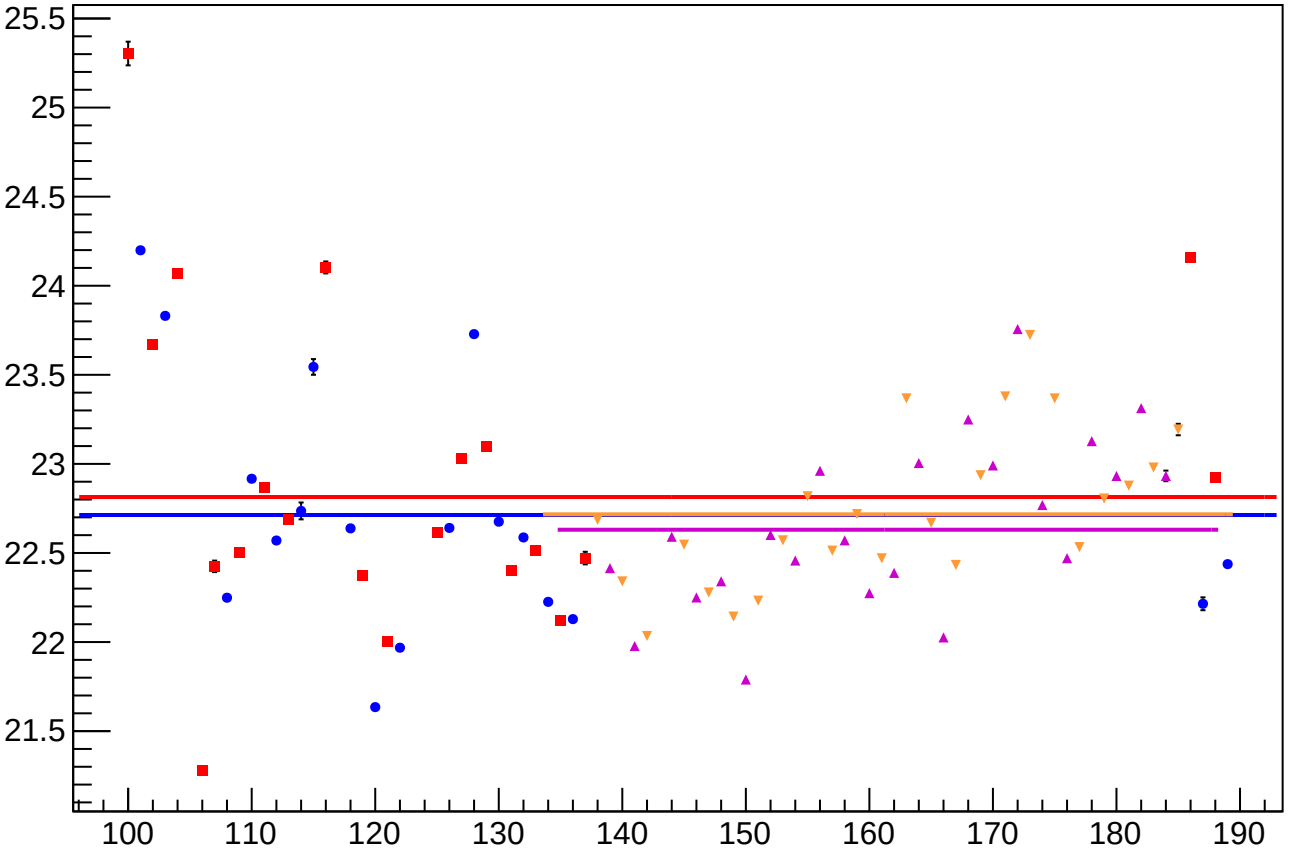
Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

+ sign 5.065+/-4.412 χ^2/NDF: 58.7/41

All: -1.368+/-3.102 χ^2/NDF: 106.4/84

- sign -7.655+/-4.362 χ^2/NDF: 43.5/42

asym_bcm_dg_us_an_ds_dd_rms vs Slug



Right In: 22.713+/-0.006 χ^2/NDF: 15005.8/17

Left Out: 22.717+/-0.004 χ^2/NDF:12177.5/23

Right Out: 22.814+/-0.005 χ^2/NDF: 17185.5/19

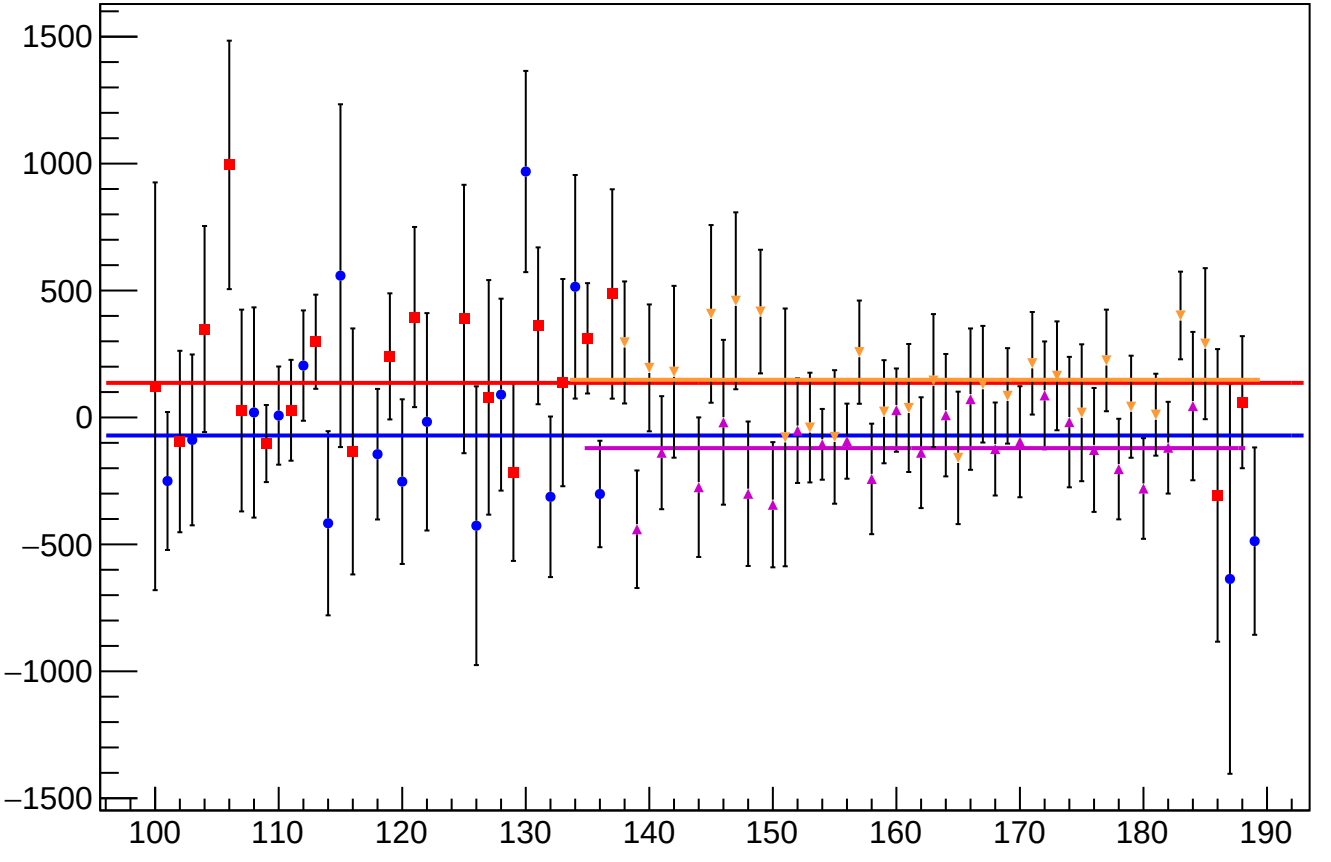
Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

\+ sign 22.716+/-0.003 χ^2/NDF: 27183.6/41

All: 22.702+/-0.002 χ^2/NDF: 60566.8/84

\- sign 22.689+/-0.003 χ^2/NDF: 33346.1/42

asym_bcm_dg_ds_an_ds_avg_mean vs Slug



Right In: -71.053+/-74.619 χ^2/NDF: 17.3/17

Left Out: 148.424+/-47.213 χ^2/NDF:10.9/23

Right Out: 136.221+/-65.950 χ^2/NDF: 12.2/19

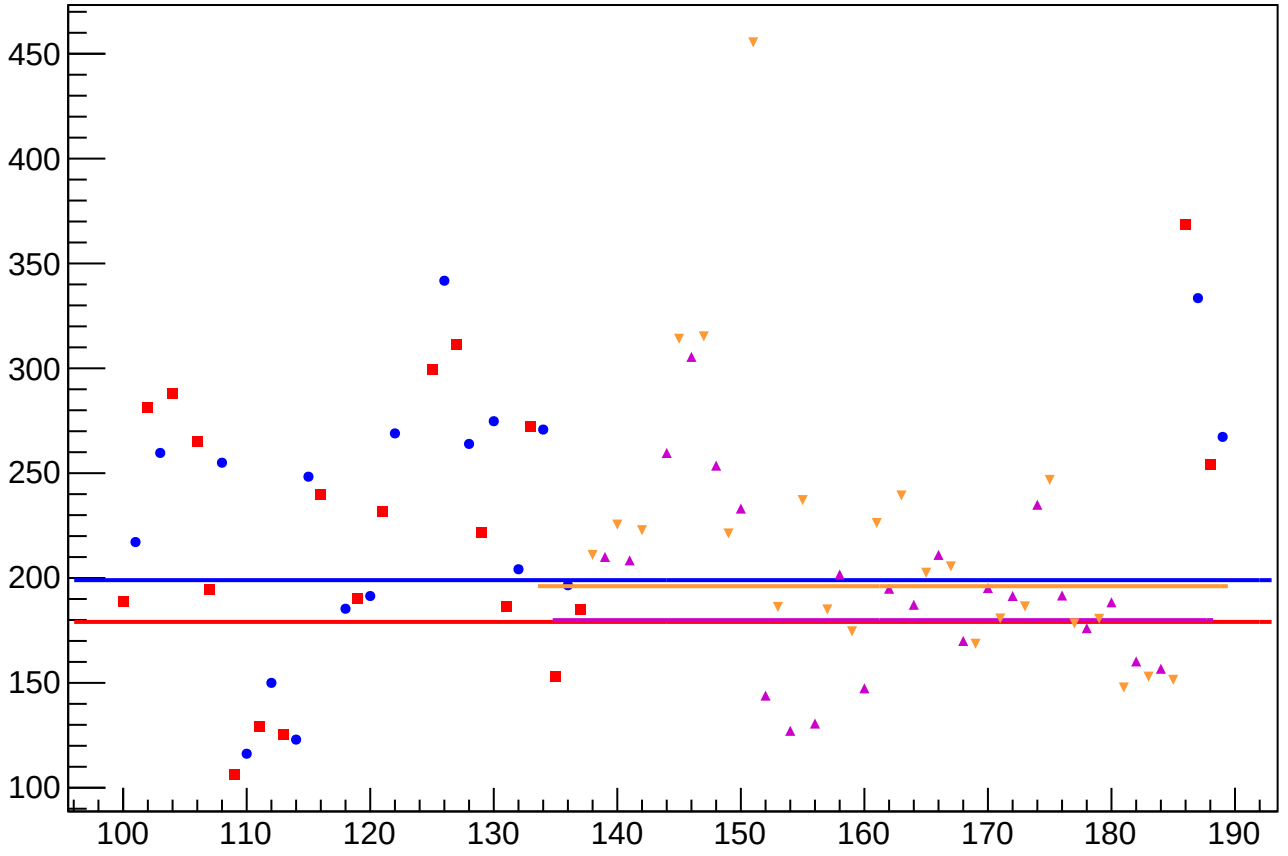
Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

+ sign 85.679+/-39.898 χ^2/NDF: 34.4/41

All: 16.375+/-26.953 χ^2/NDF: 70.6/84

- sign -41.805+/-36.556 χ^2/NDF: 30.6/42

asym_bcm_dg_ds_an_ds_avg_rms vs Slug



Right In: 198.986+/-0.053 χ^2/NDF: 1188435.4/17

Left Out: 196.112+/-0.033 χ^2/NDF:1726285.1/23

Right Out: 179.077+/-0.047 χ^2/NDF: 2021524.7/19

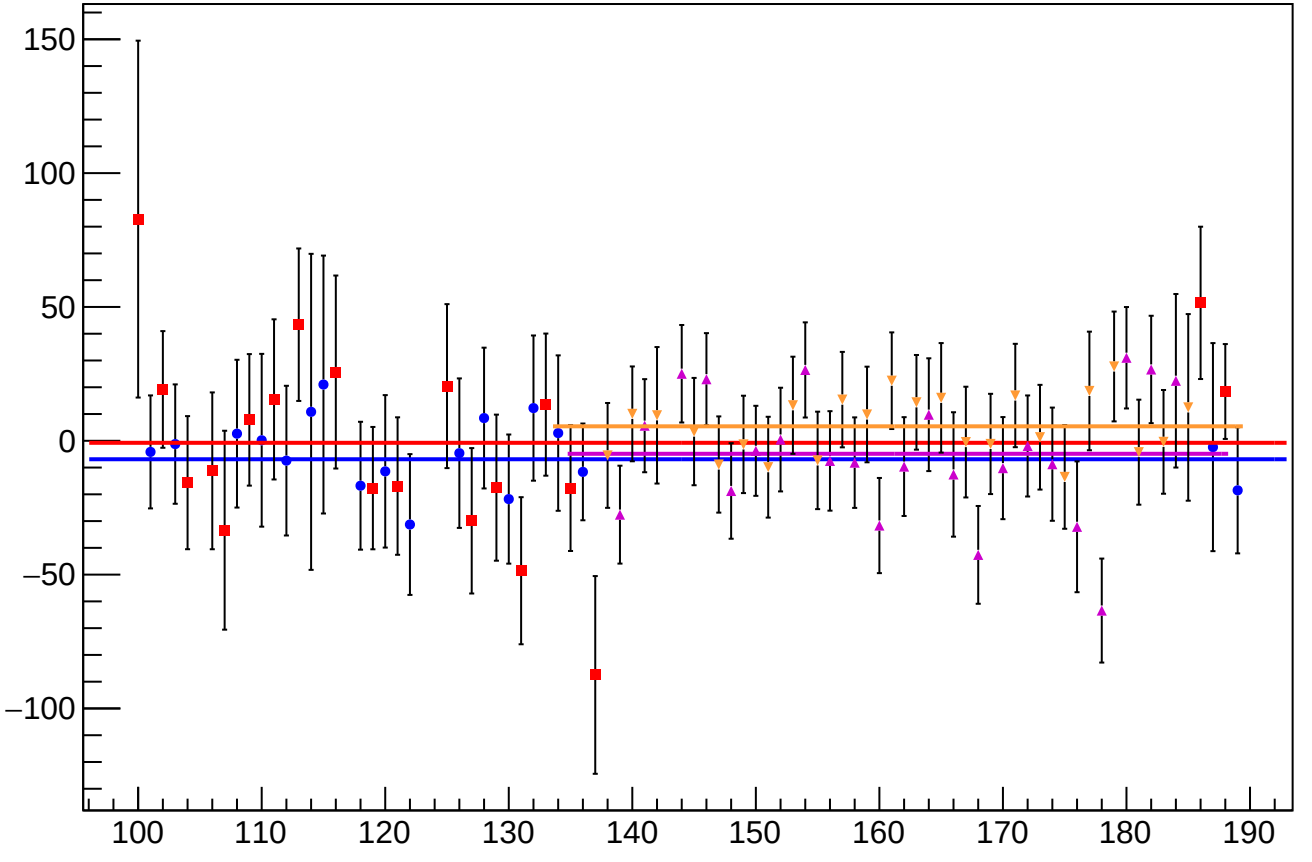
Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

+ sign 196.934+/-0.028 χ^2/NDF: 2916839.5/41

All: 187.545+/-0.019 χ^2/NDF: 6766469.1/84

- sign 179.663+/-0.026 χ^2/NDF: 3645897.4/42

asym_bcm_dg_ds_an_ds_dd_mean vs Slug



Right In: -6.898+/-6.265 χ^2/NDF: 3.4/17

Left Out: 5.406+/-3.972 χ^2/NDF:7.8/23

Right Out: -0.755+/-6.029 χ^2/NDF: 23.9/19

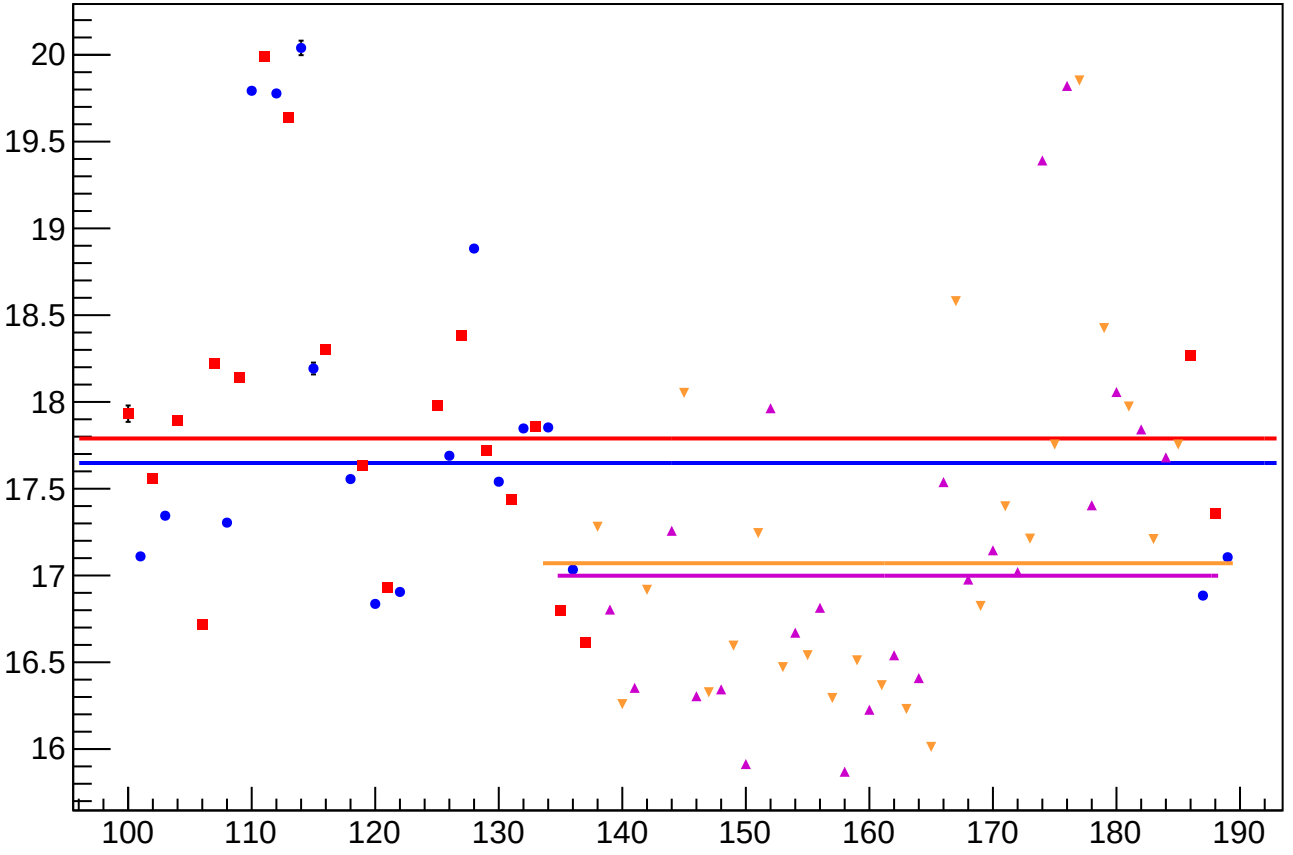
Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign 1.879+/-3.355 χ^2/NDF: 13.9/41

All: -0.894+/-2.360 χ^2/NDF: 75.0/84

- sign -3.613+/-3.322 χ^2/NDF: 59.7/42

asym_bcm_dg_ds_an_ds_dd_rms vs Slug



Right In: 17.648+/-0.004 χ^2/NDF: 38009.9/17

Left Out: 17.071+/-0.003 χ^2/NDF:96312.6/23

Right Out: 17.790+/-0.004 χ^2/NDF: 34305.8/19

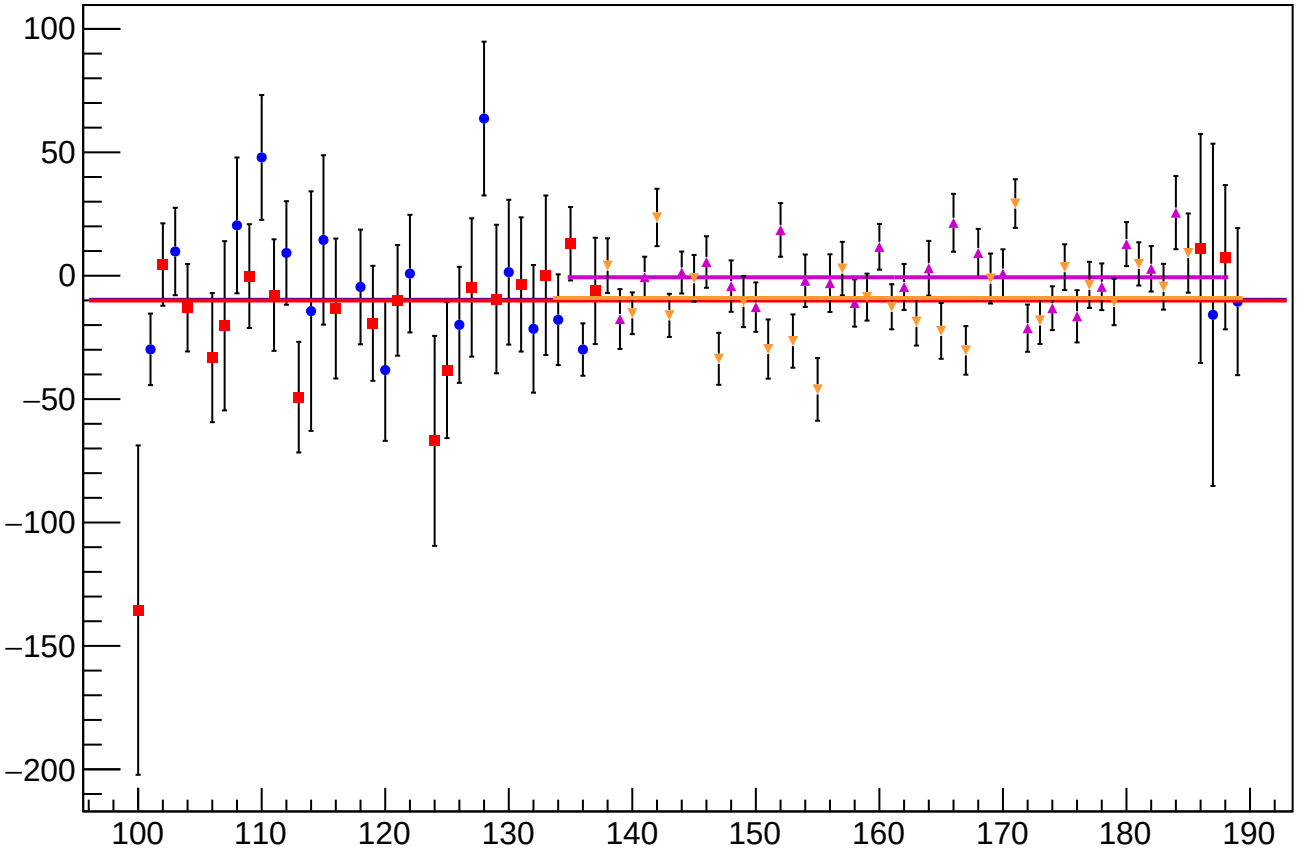
Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

\+ sign 17.236+/-0.002 χ^2/NDF: 146441.1/41

All: 17.238+/-0.002 χ^2/NDF: 308732.4/84

\- sign 17.239+/-0.002 χ^2/NDF: 162290.7/42

diff_bpm_4aX_4acX_avg_mean vs Slug



Right In: -9.759+/-5.138 χ^2/NDF: 22.0/17

Left Out: -9.027+/-2.006 χ^2/NDF:62.0/24

Right Out: -10.042+/-5.309 χ^2/NDF: 14.7/20

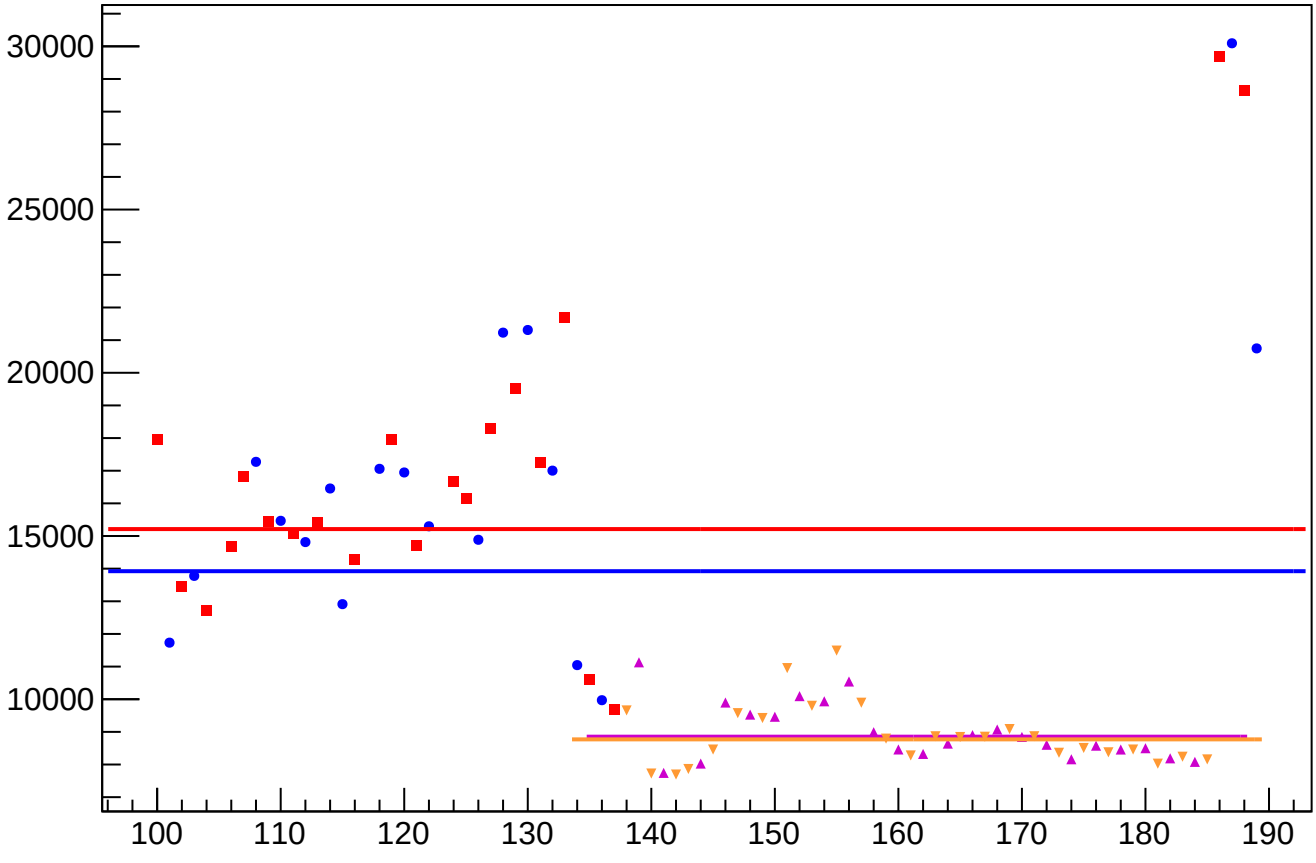
Left In: -0.628+/-2.079 χ^2/NDF:29.5/22

+ sign -9.124+/-1.869 χ^2/NDF: 84.0/42

All: -5.630+/-1.345 χ^2/NDF: 138.2/86

- sign -1.880+/-1.936 χ^2/NDF: 46.9/43

diff_bpm_4aX_4acX_avg_rms vs Slug



Right In: 13922.278+/-3.633 χ^2/NDF: 967375.7/17

Left Out: 8770.330+/-1.419 χ^2/NDF:345180.6/24

Right Out: 15212.204+/-3.754 χ^2/NDF: 1201344.9/20

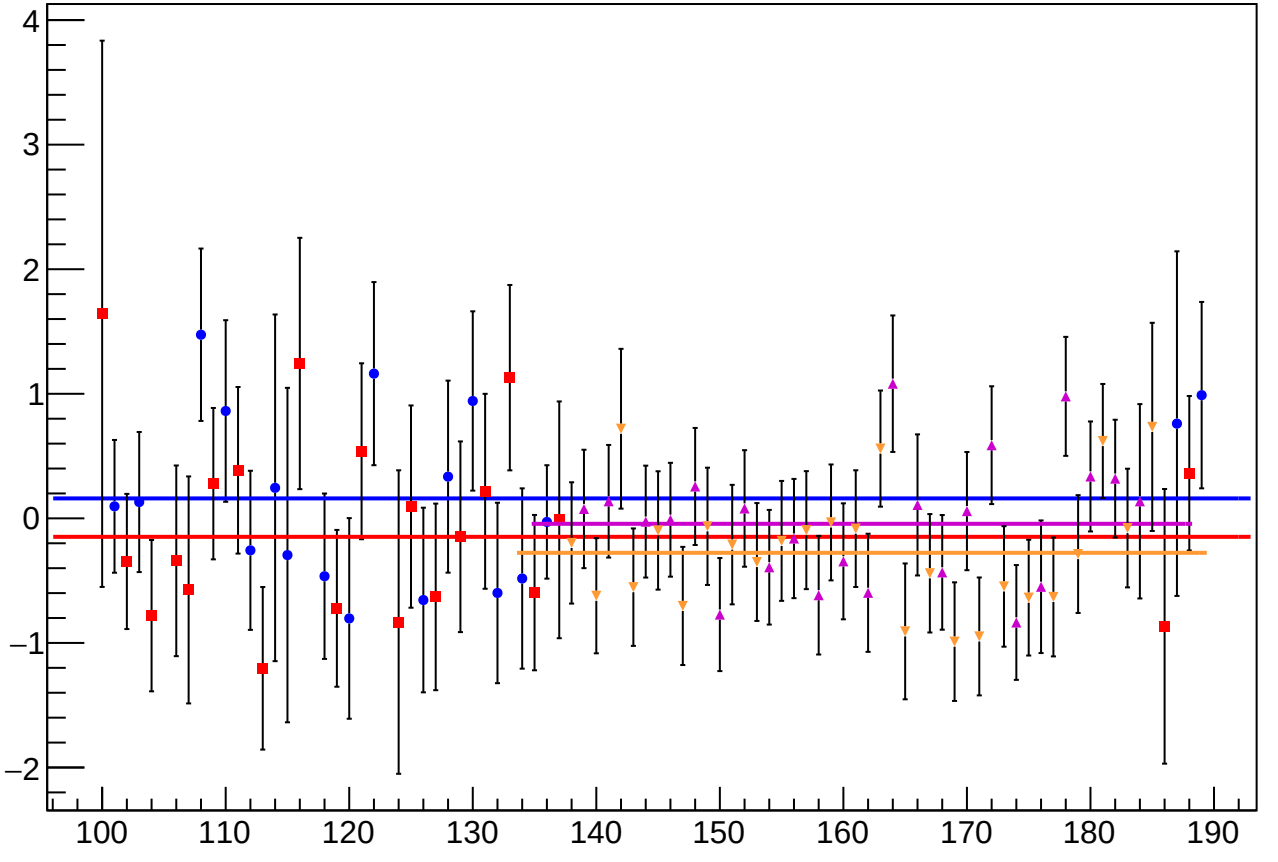
Left In: 8852.820+/-1.470 χ^2/NDF:299860.4/22

+ sign 9451.938+/-1.322 χ^2/NDF: 3057110.4/42

All: 9570.837+/-0.951 χ^2/NDF: 7062759.0/86

- sign 9698.426+/-1.369 χ^2/NDF: 3988868.8/43

diff_bpm_4aX_4acX_dd_mean vs Slug



Right In: 0.160+/-0.166 χ^2/NDF: 15.2/17

Left Out: -0.277+/-0.097 χ^2/NDF:21.0/24

Right Out: -0.148+/-0.162 χ^2/NDF: 15.2/20

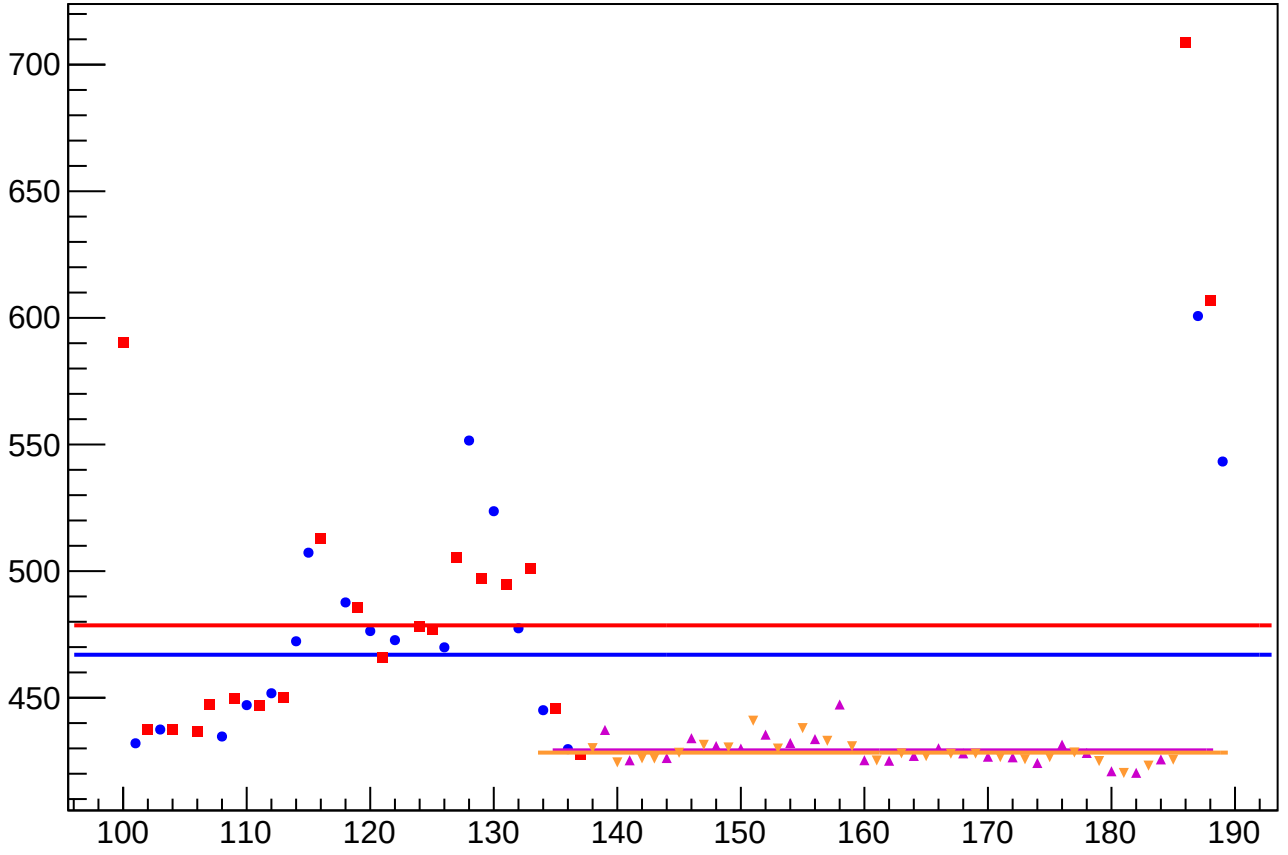
Left In: -0.044+/-0.100 χ^2/NDF:23.8/22

+ sign -0.165+/-0.084 χ^2/NDF: 41.4/42

All: -0.120+/-0.060 χ^2/NDF: 81.3/86

- sign -0.073+/-0.085 χ^2/NDF: 39.3/43

diff_bpm_4aX_4acX_dd_rms vs Slug



Right In: 466.985+/-0.117 χ^2/NDF: 116933.9/17

Left Out: 428.343+/-0.069 χ^2/NDF:4016.5/24

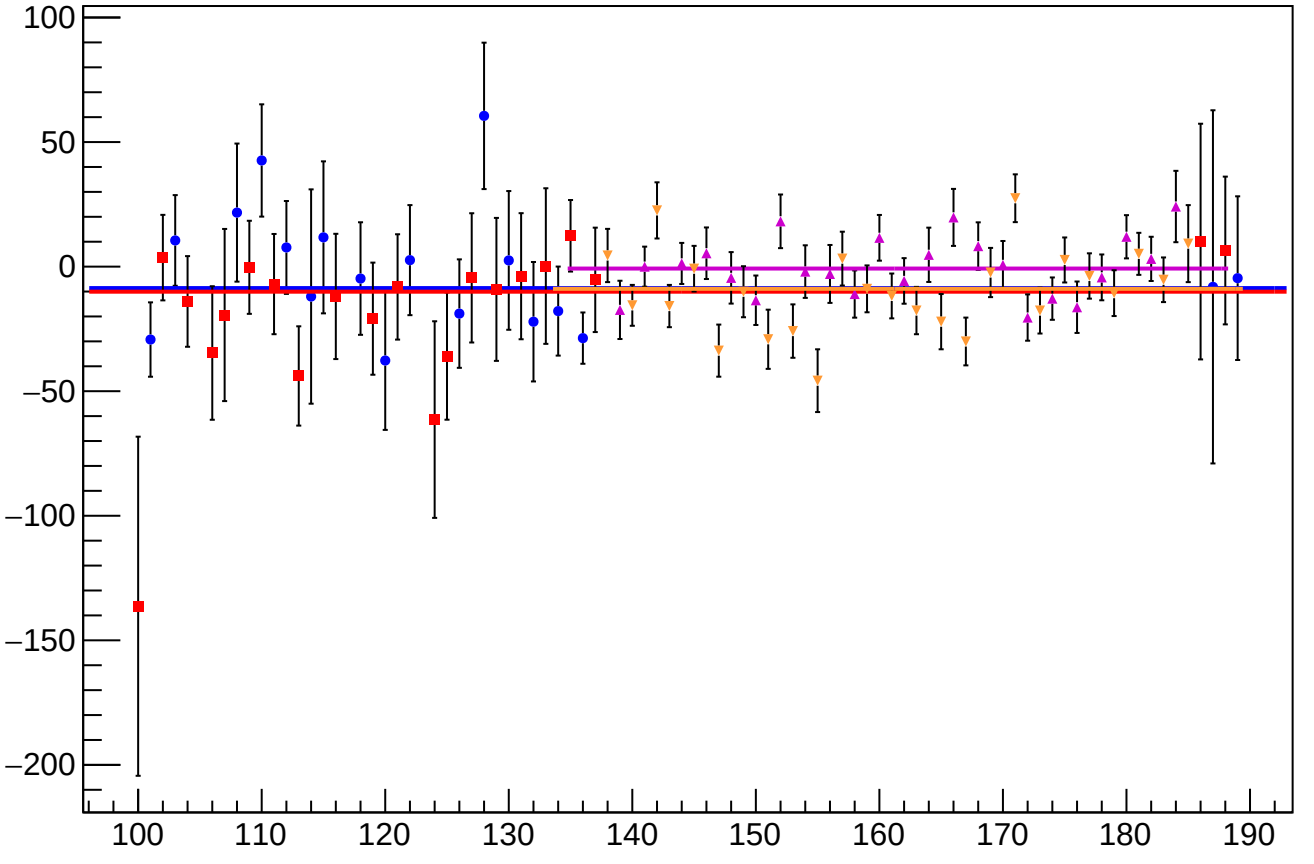
Right Out: 478.588+/-0.114 χ^2/NDF: 240619.3/20

Left In: 429.228+/-0.071 χ^2/NDF:6749.9/22

+ sign 438.212+/-0.059 χ^2/NDF: 201509.0/42

All: 440.538+/-0.042 χ^2/NDF: 586657.4/86

- sign 442.932+/-0.060 χ^2/NDF: 382033.9/43



Right In: -8.611+/-4.965 χ^2/NDF: 22.3/17

Left Out: -8.904+/-1.961 χ^2/NDF:61.6/24

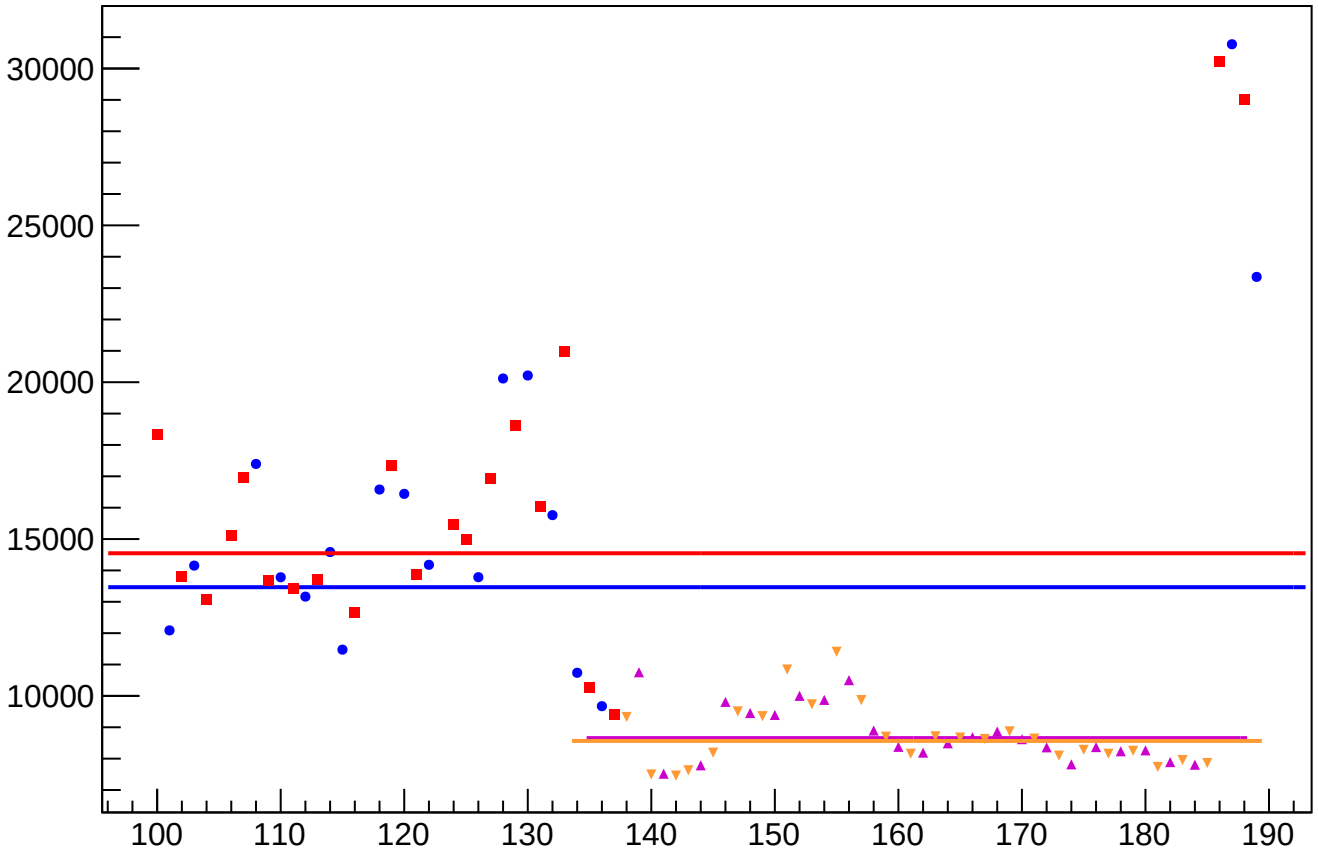
Right Out: -10.058+/-5.084 χ^2/NDF: 14.4/20

Left In: -0.773+/-2.034 χ^2/NDF:29.3/22

+ sign -8.865+/-1.824 χ^2/NDF: 83.9/42

All: -5.578+/-1.312 χ^2/NDF: 137.1/86

- sign -2.054+/-1.888 χ^2/NDF: 46.6/43



Right In: 13465.631+/-3.511 χ^2/NDF: 991258.5/17

Left Out: 8564.413+/-1.387 χ^2/NDF:400646.9/24

Right Out: 14547.180+/-3.595 χ^2/NDF: 1236765.2/20

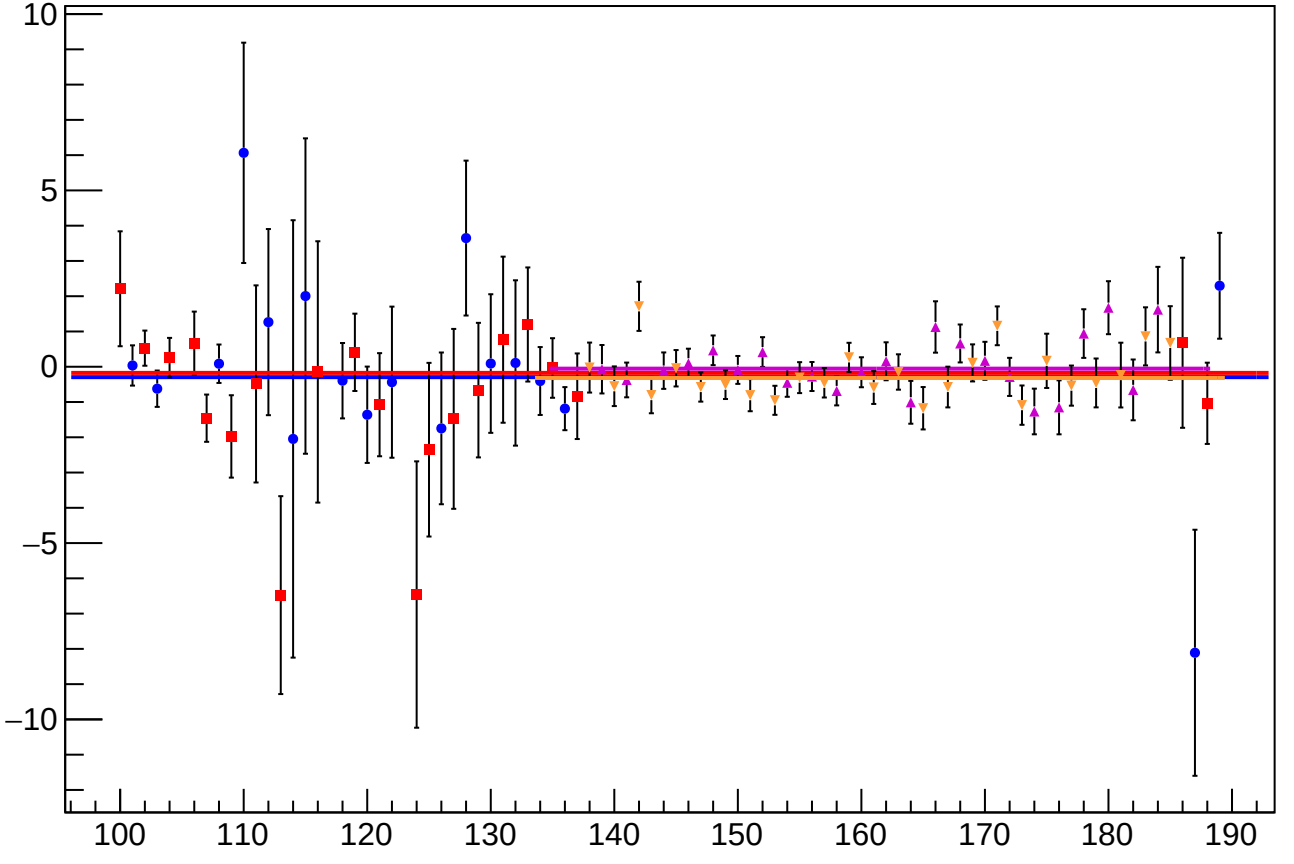
Left In: 8654.310+/-1.438 χ^2/NDF:345603.4/22

+ sign 9225.638+/-1.290 χ^2/NDF: 3077658.3/42

All: 9342.260+/-0.928 χ^2/NDF: 6993156.3/86

- sign 9467.291+/-1.335 χ^2/NDF: 3898552.6/43

diff_bpm_4aX_4eX_dd_mean vs Slug



Right In: -0.295+/-0.240 χ^2/NDF: 20.6/17

Left Out: -0.318+/-0.106 χ^2/NDF:32.3/24

Right Out: -0.174+/-0.238 χ^2/NDF: 23.2/20

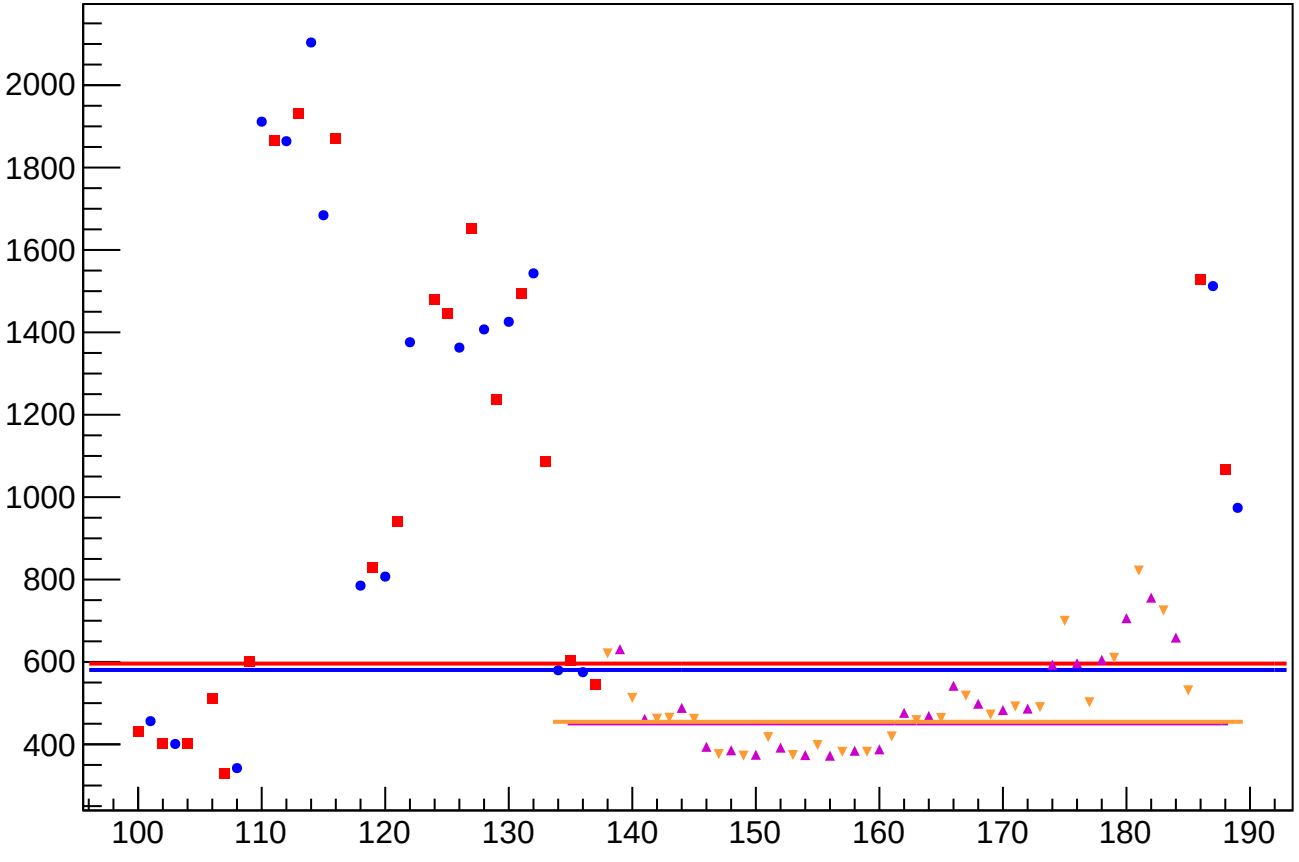
Left In: -0.054+/-0.108 χ^2/NDF:29.8/22

+ sign -0.314+/-0.097 χ^2/NDF: 52.9/42

All: -0.196+/-0.069 χ^2/NDF: 109.0/86

- sign -0.075+/-0.098 χ^2/NDF: 53.2/43

diff_bpm_4aX_4eX_dd_rms vs Slug



Right In: 580.502+/-0.170 χ^2/NDF: 3738187.2/17

Left Out: 454.697+/-0.075 χ^2/NDF:1451363.0/24

Right Out: 595.975+/-0.168 χ^2/NDF: 4236201.8/20

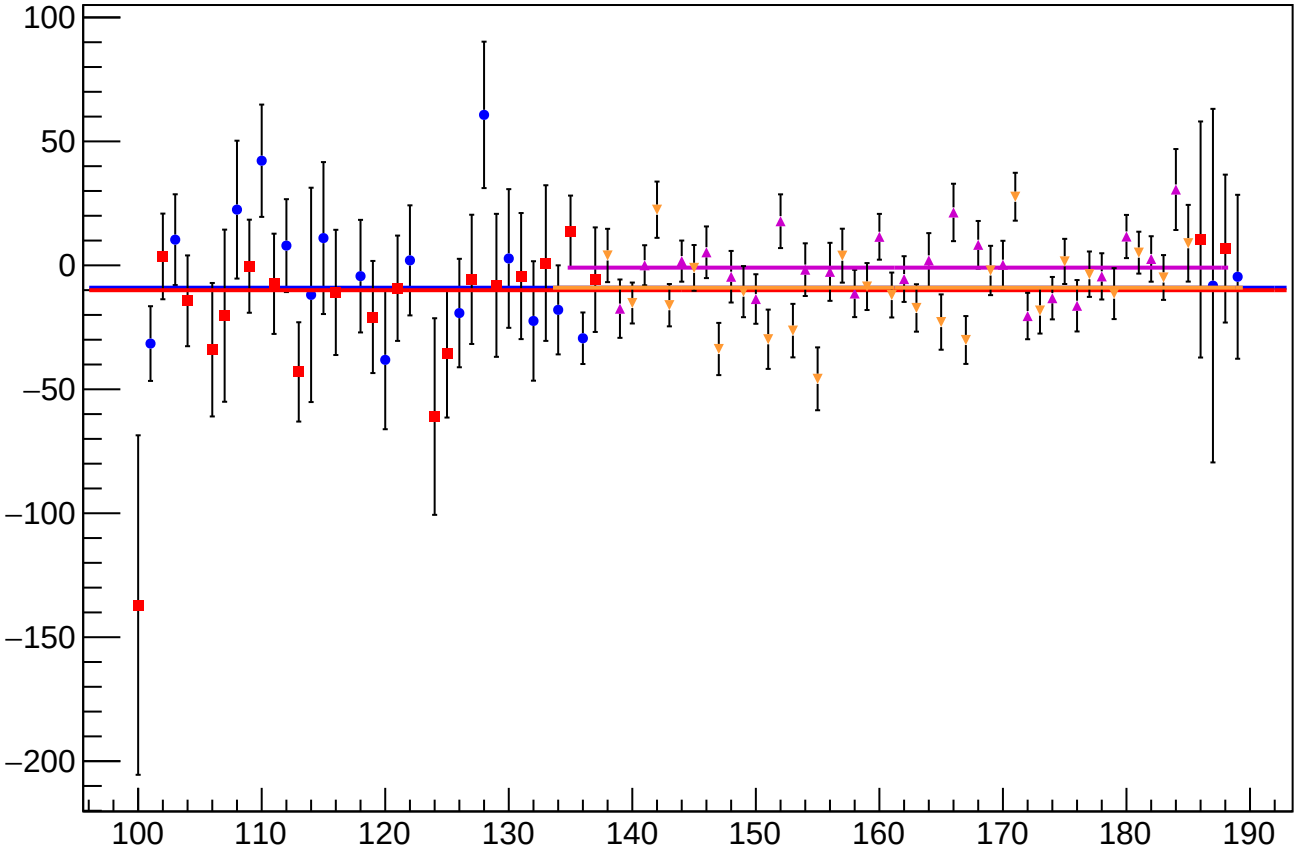
Left In: 450.767+/-0.076 χ^2/NDF:1471497.9/22

+ sign 475.169+/-0.069 χ^2/NDF: 5648186.6/42

All: 475.398+/-0.049 χ^2/NDF: 11973514.8/86

- sign 475.635+/-0.070 χ^2/NDF: 6325305.4/43

diff_bpm_4aX_4ecX_avg_mean vs Slug



Right In: -9.022+/-4.998 χ^2/NDF: 22.8/17

Left Out: -9.001+/-1.982 χ^2/NDF:61.3/24

Right Out: -10.026+/-5.119 χ^2/NDF: 14.2/20

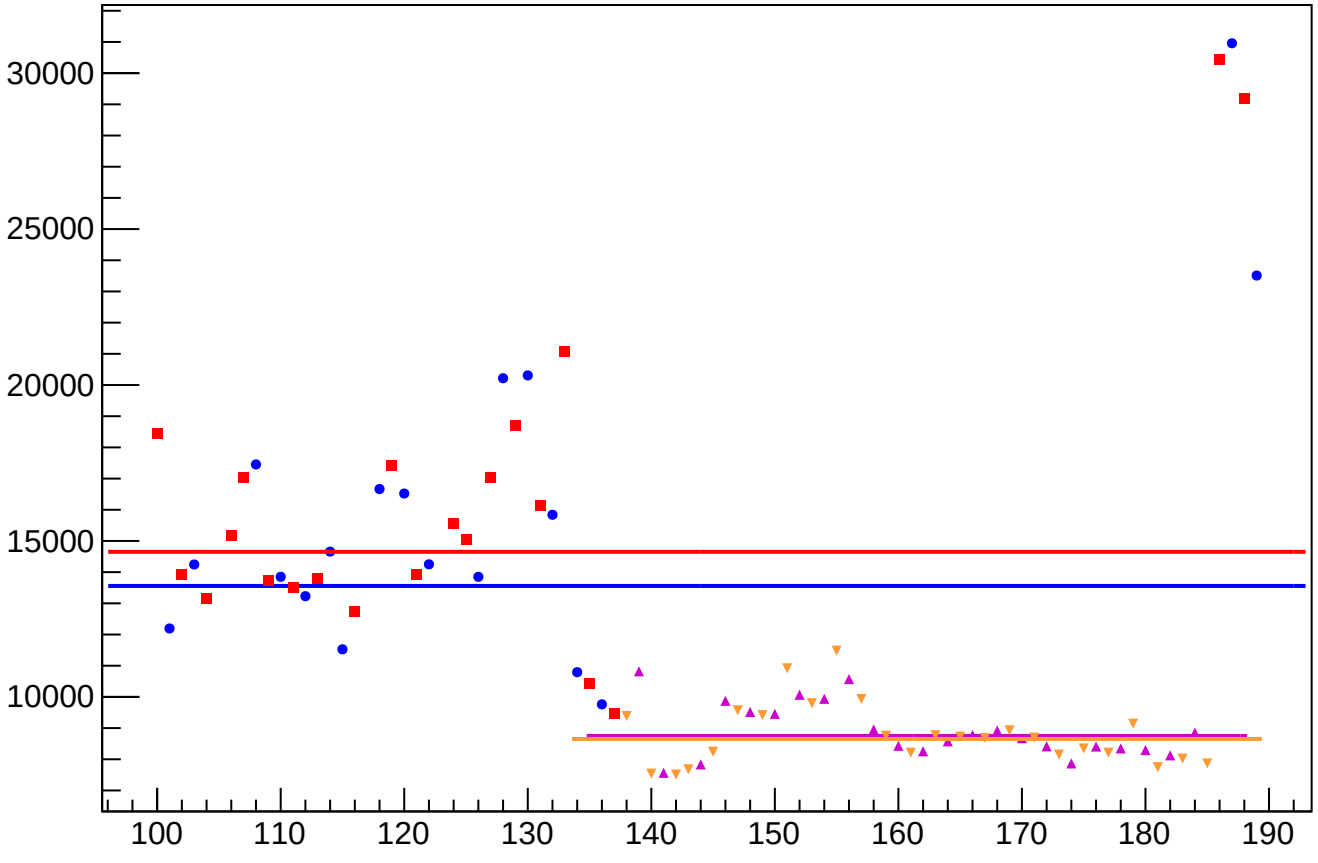
Left In: -0.925+/-2.056 χ^2/NDF:29.9/22

+ sign -9.004+/-1.842 χ^2/NDF: 84.0/42

All: -5.715+/-1.325 χ^2/NDF: 137.4/86

- sign -2.189+/-1.908 χ^2/NDF: 46.8/43

diff_bpm_4aX_4ecX_avg_rms vs Slug



Right In: 13557.721+/-3.534 χ^2/NDF: 982278.7/17

Left Out: 8651.872+/-1.401 χ^2/NDF:405419.4/24

Right Out: 14652.600+/-3.620 χ^2/NDF: 1222787.4/20

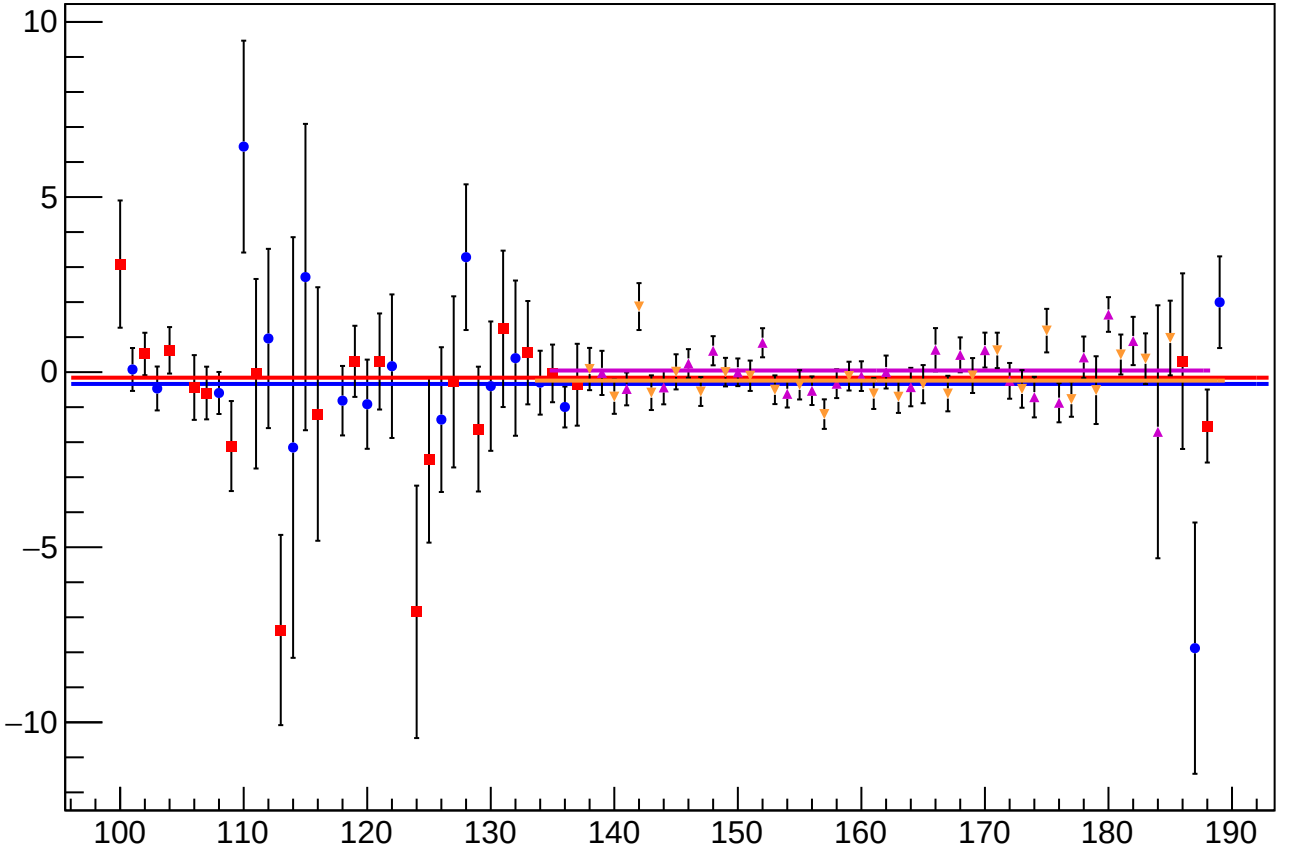
Left In: 8746.106+/-1.454 χ^2/NDF:331167.0/22

+ sign 9318.304+/-1.303 χ^2/NDF: 3052610.6/42

All: 9437.969+/-0.937 χ^2/NDF: 6916897.5/86

- sign 9566.270+/-1.349 χ^2/NDF: 3846800.8/43

diff_bpm_4aX_4ecX_dd_mean vs Slug



Right In: -0.337+/-0.250 χ^2/NDF: 19.3/17

Left Out: -0.242+/-0.100 χ^2/NDF:34.3/24

Right Out: -0.158+/-0.255 χ^2/NDF: 23.6/20

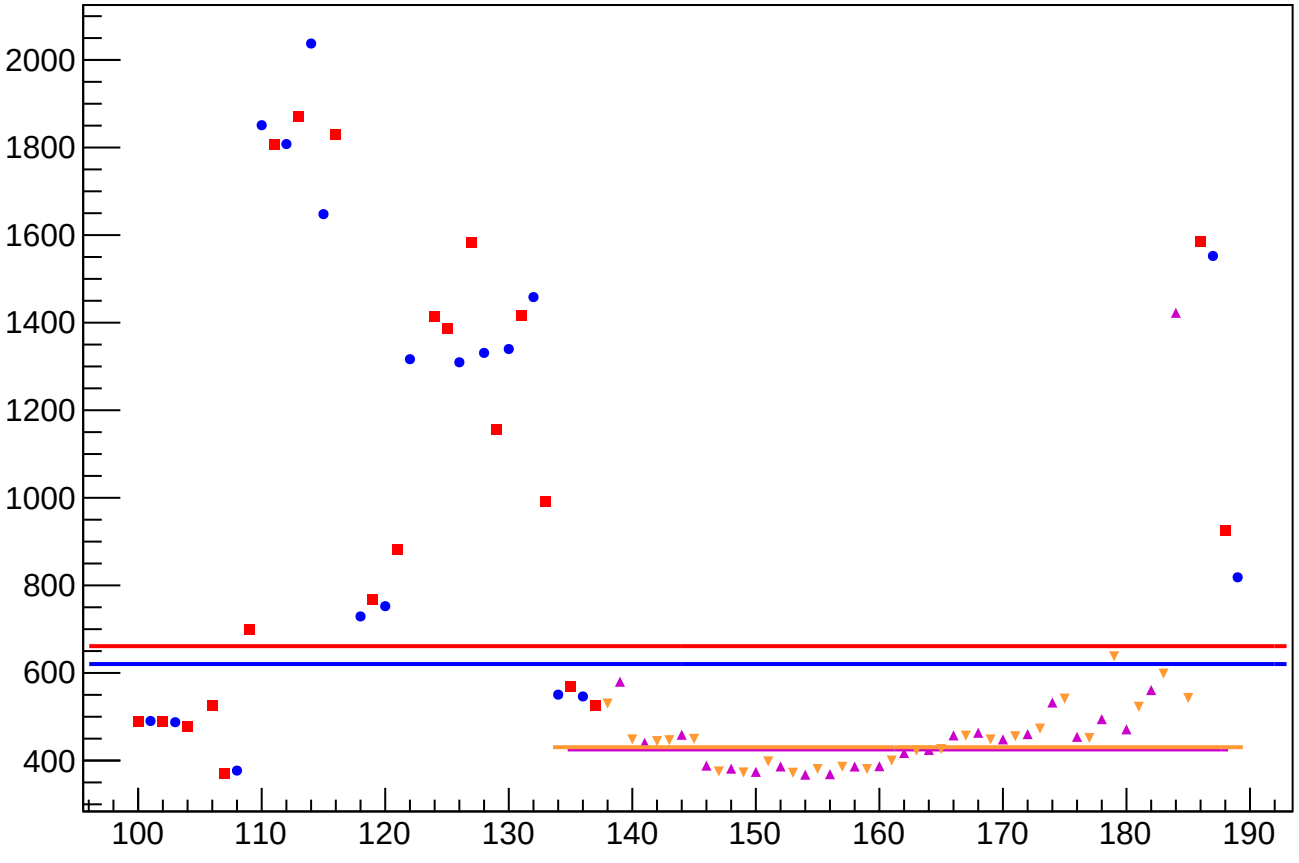
Left In: 0.047+/-0.102 χ^2/NDF:35.1/22

+ sign -0.255+/-0.093 χ^2/NDF: 53.7/42

All: -0.120+/-0.066 χ^2/NDF: 117.2/86

- sign 0.019+/-0.094 χ^2/NDF: 59.2/43

diff_bpm_4aX_4ecX_dd_rms vs Slug



Right In: 620.354+/-0.177 χ^2/NDF: 3038091.9/17

Left Out: 430.437+/-0.071 χ^2/NDF:648114.1/24

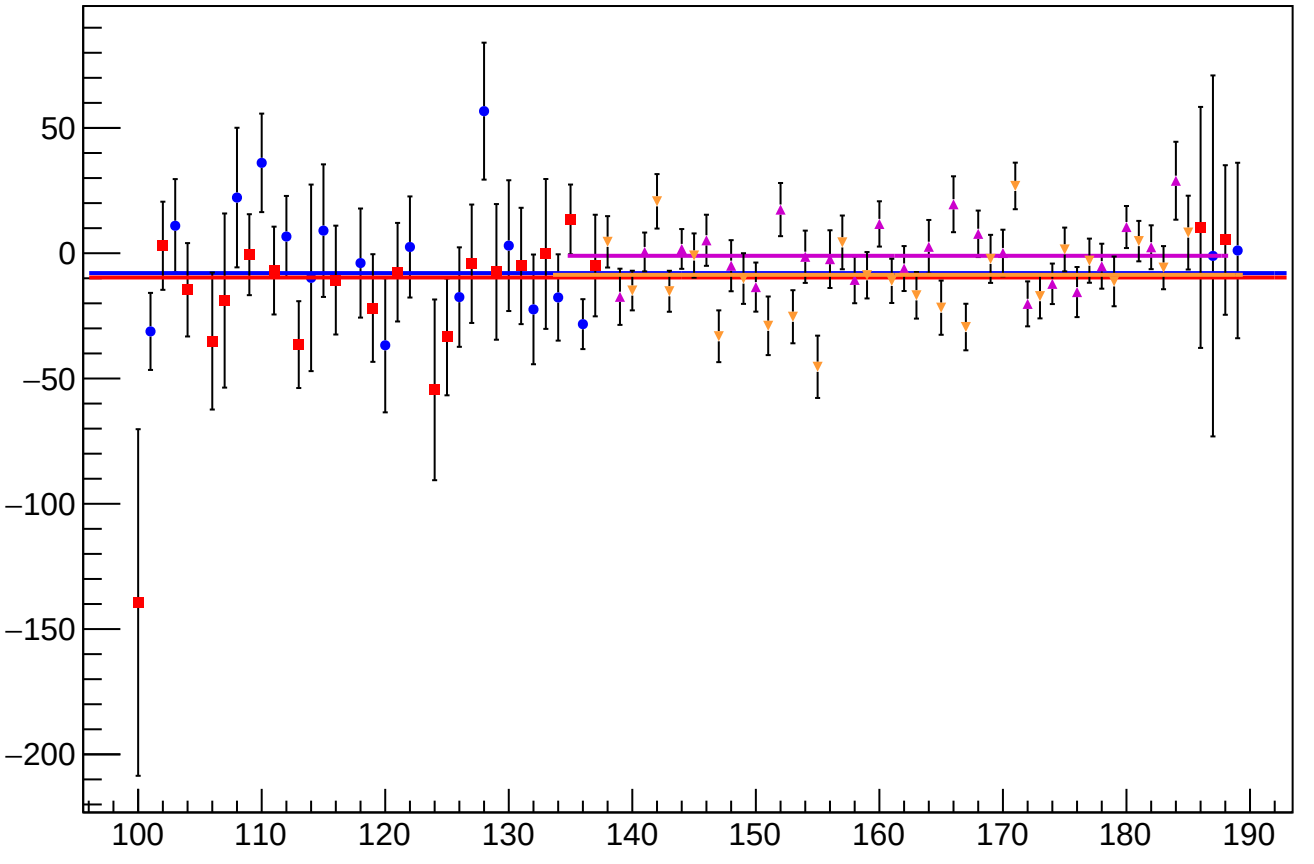
Right Out: 661.209+/-0.180 χ^2/NDF: 3210587.2/20

Left In: 425.312+/-0.072 χ^2/NDF:716953.2/22

+ sign 456.665+/-0.066 χ^2/NDF: 4678247.3/42

All: 457.129+/-0.047 χ^2/NDF: 10082409.5/86

- sign 457.607+/-0.067 χ^2/NDF: 5404061.0/43



Right In: -7.934+/-4.725 χ^2/NDF: 23.2/17

Left Out: -8.623+/-1.913 χ^2/NDF:61.6/24

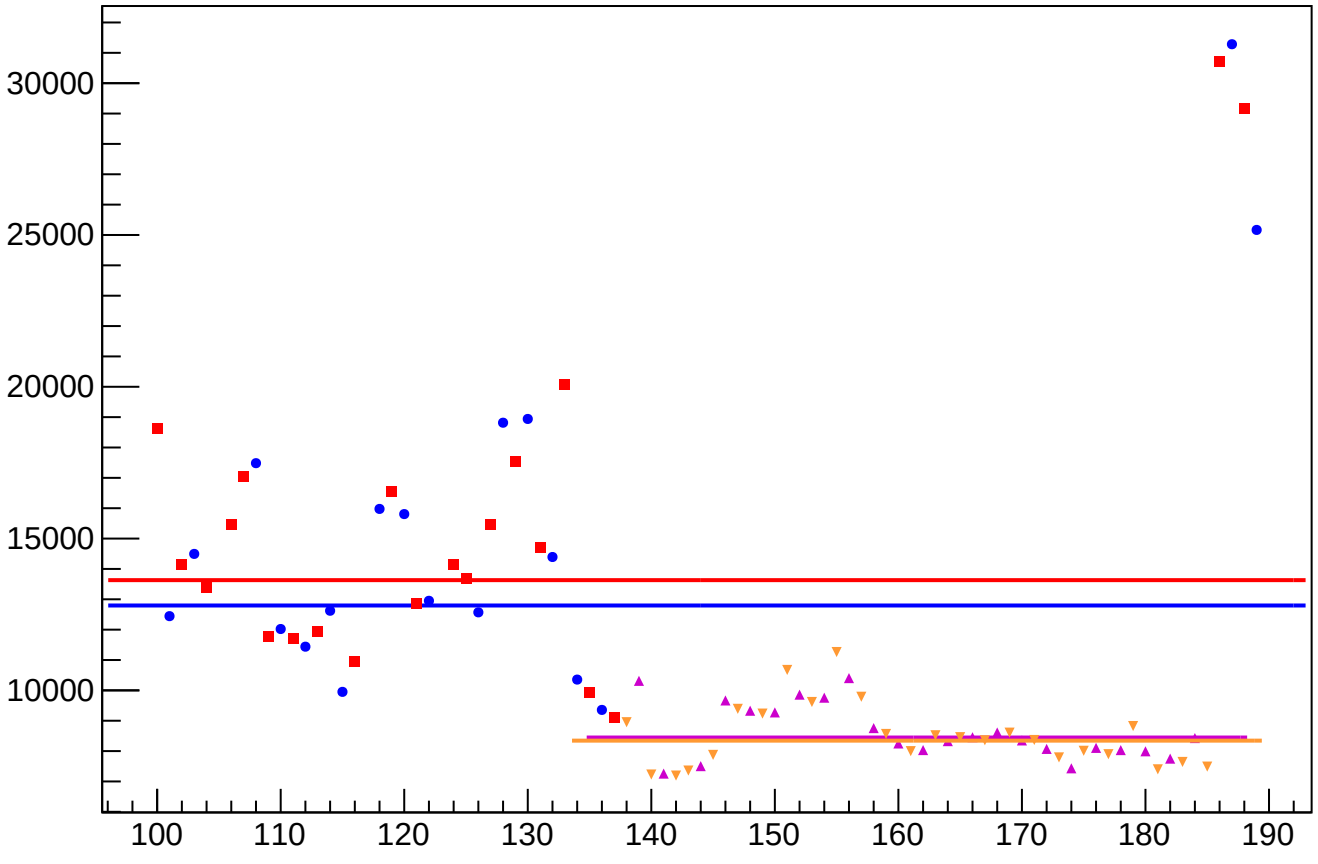
Right Out: -9.684+/-4.786 χ^2/NDF: 14.1/20

Left In: -1.027+/-1.987 χ^2/NDF:29.8/22

+ sign -8.526+/-1.773 χ^2/NDF: 84.8/42

All: -5.519+/-1.275 χ^2/NDF: 137.5/86

- sign -2.299+/-1.835 χ^2/NDF: 46.7/43



Right In: 12795.778+/-3.341 χ^2/NDF: 1061459.0/17

Left Out: 8344.309+/-1.353 χ^2/NDF:469243.6/24

Right Out: 13630.740+/-3.384 χ^2/NDF: 1367653.0/20

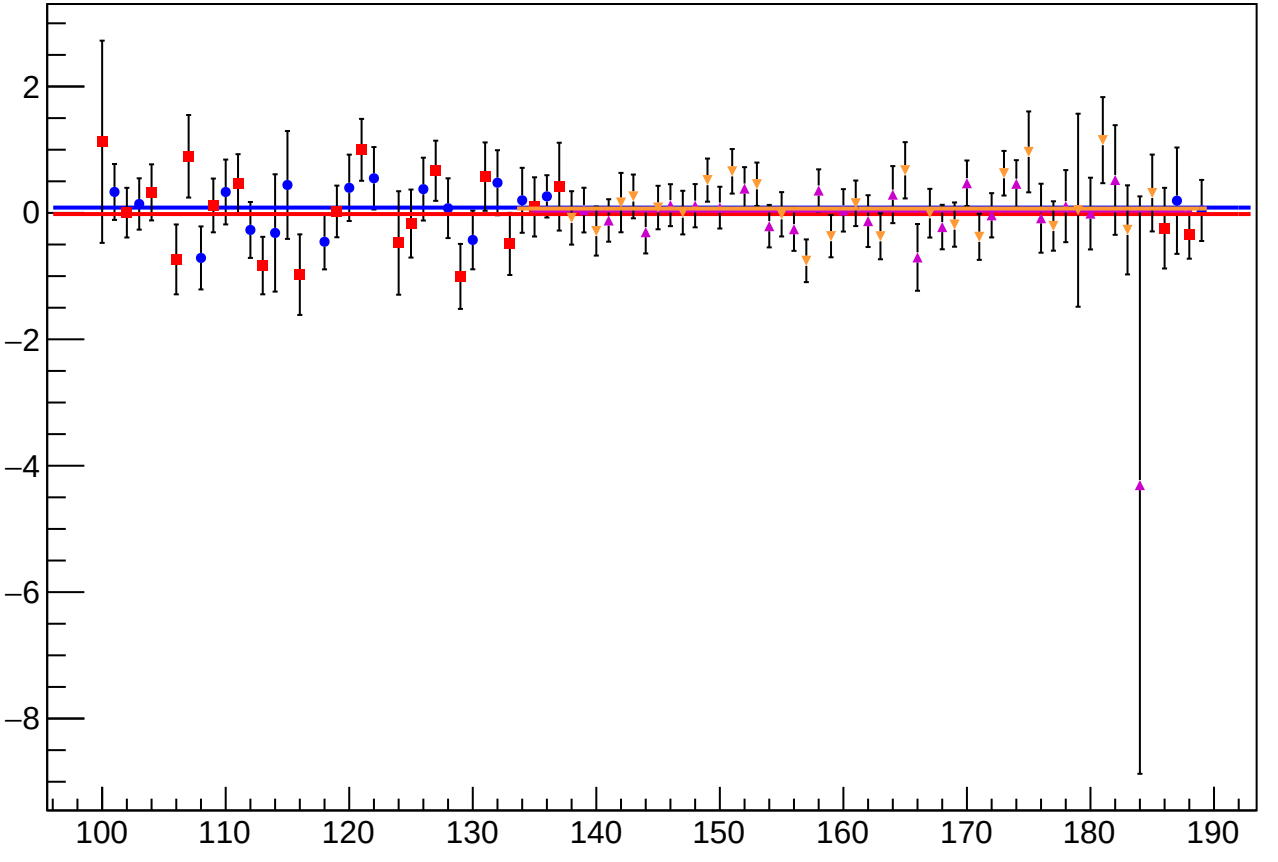
Left In: 8446.686+/-1.405 χ^2/NDF:381901.7/22

+ sign 8971.245+/-1.254 χ^2/NDF: 3055842.6/42

All: 9085.907+/-0.902 χ^2/NDF: 6824470.7/86

- sign 9208.675+/-1.297 χ^2/NDF: 3751311.5/43

diff_bpm_4eX_4ecX_dd_mean vs Slug



Right In: 0.084+/-0.116 χ^2/NDF: 9.4/17

Left Out: 0.069+/-0.079 χ^2/NDF:28.2/24

Right Out: -0.018+/-0.111 χ^2/NDF: 25.3/20

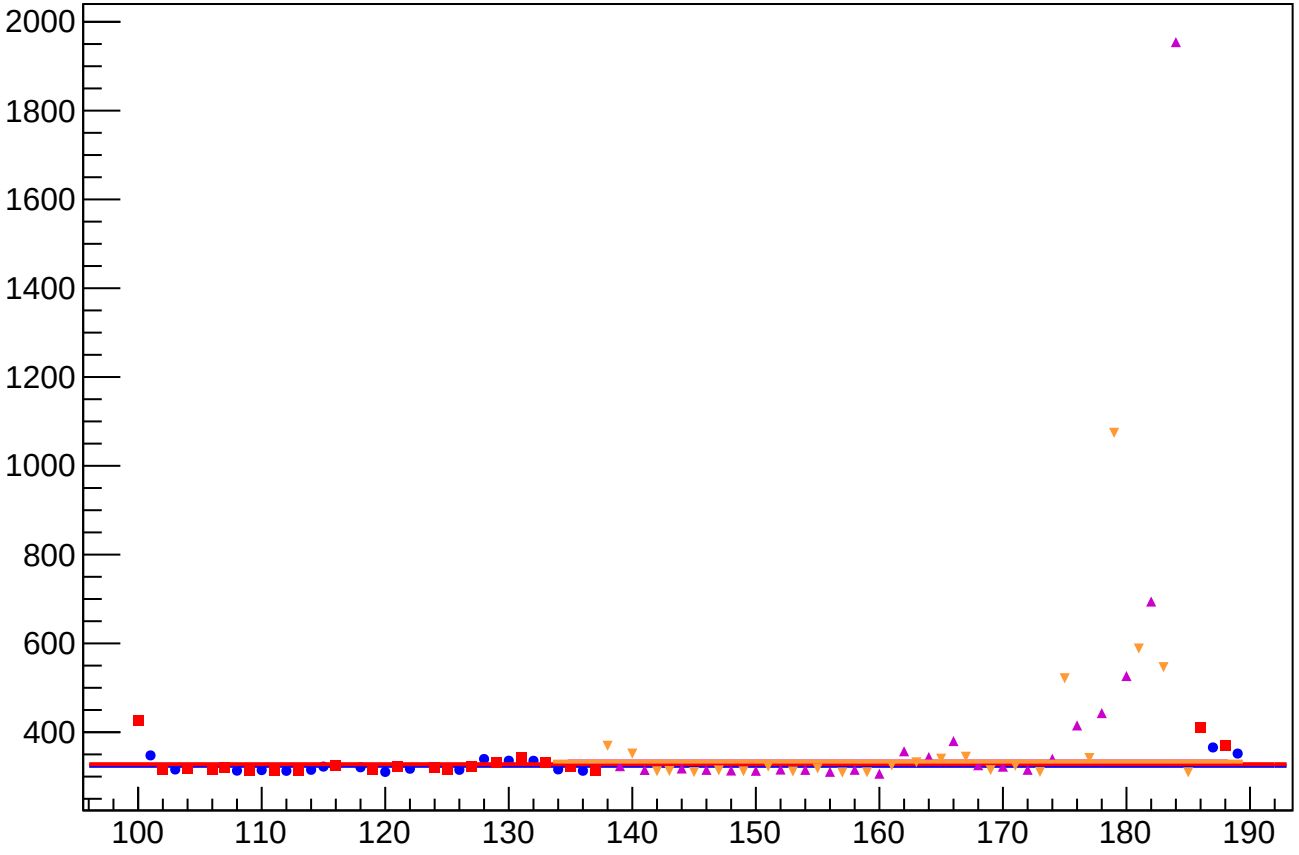
Left In: 0.037+/-0.081 χ^2/NDF:11.7/22

+ sign 0.074+/-0.065 χ^2/NDF: 37.6/42

All: 0.046+/-0.046 χ^2/NDF: 75.1/86

- sign 0.018+/-0.065 χ^2/NDF: 37.1/43

diff_bpm_4eX_4ecX_dd_rms vs Slug



Right In: 324.278+/-0.082 χ^2/NDF: 30475.8/17

Left Out: 333.783+/-0.056 χ^2/NDF:1217257.0/24

Right Out: 327.978+/-0.078 χ^2/NDF: 81776.7/20

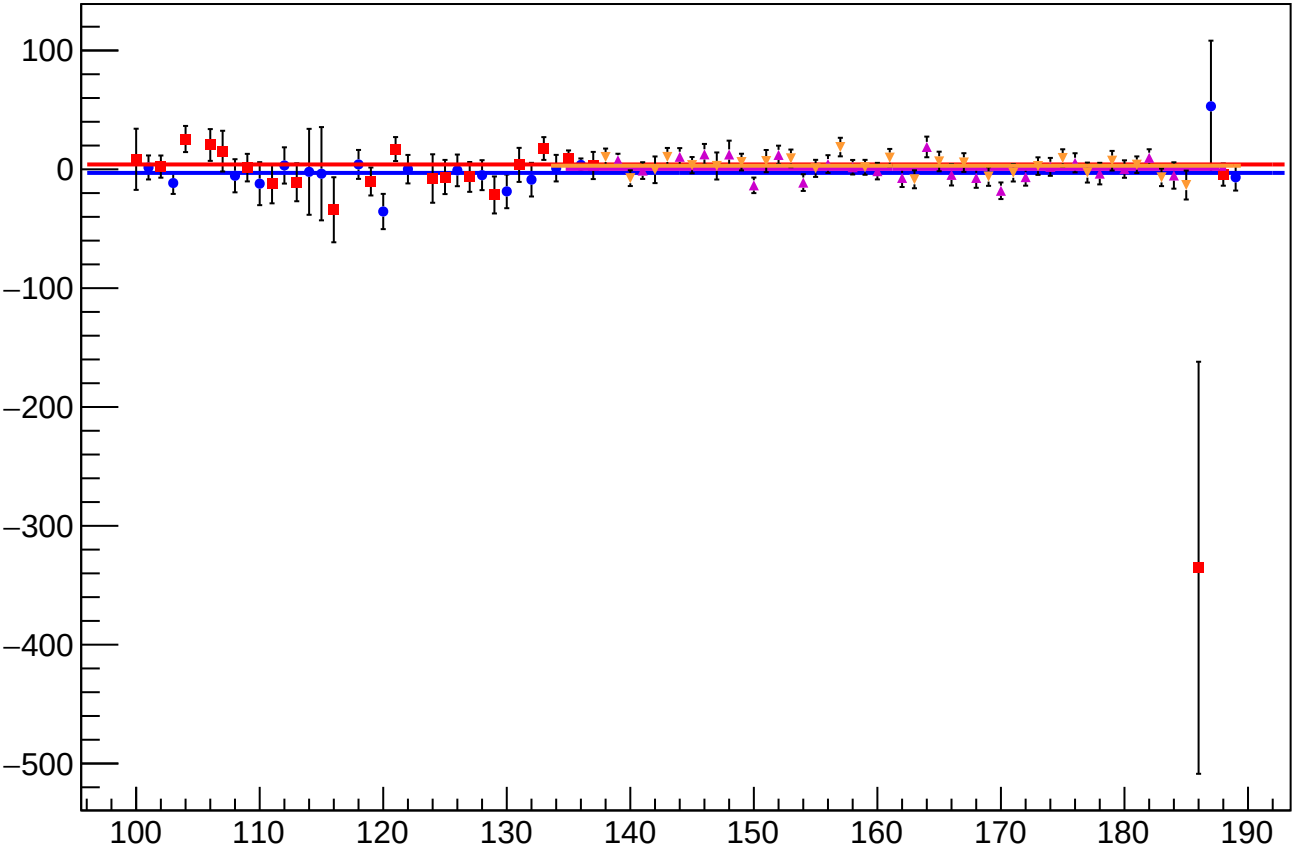
Left In: 333.979+/-0.057 χ^2/NDF:1050984.2/22

+ sign 330.751+/-0.046 χ^2/NDF: 1256956.9/42

All: 331.318+/-0.033 χ^2/NDF: 2393859.6/86

- sign 331.885+/-0.046 χ^2/NDF: 1136600.9/43

diff_bpm_4aY_4acY_avg_mean vs Slug



Right In: -3.019+/-2.812 χ^2/NDF: 11.0/17

Left Out: 3.023+/-1.542 χ^2/NDF:20.3/24

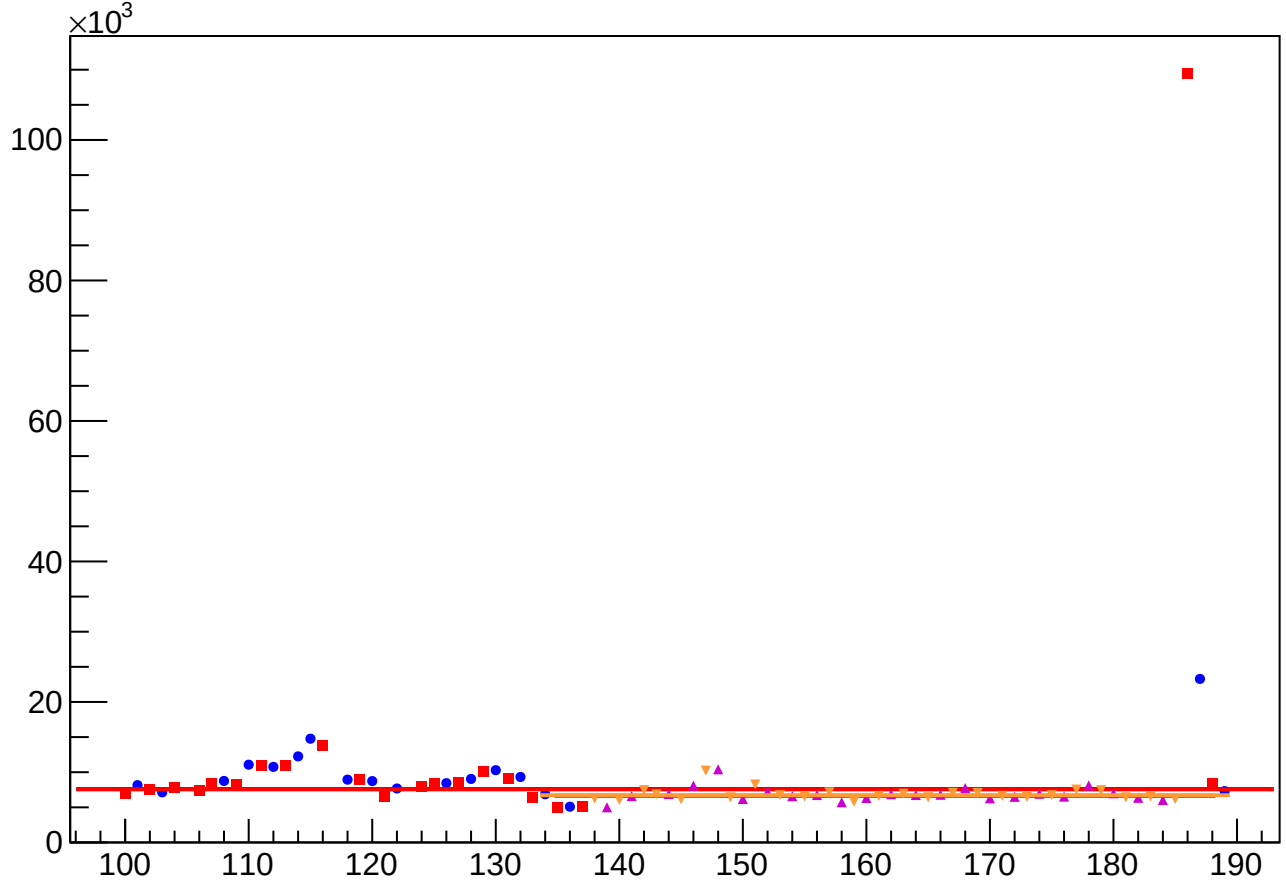
Right Out: 4.092+/-2.702 χ^2/NDF: 24.2/20

Left In: 0.351+/-1.568 χ^2/NDF:33.8/22

+ sign 1.627+/-1.352 χ^2/NDF: 34.9/42

All: 1.461+/-0.958 χ^2/NDF: 94.3/86

- sign 1.294+/-1.356 χ^2/NDF: 59.4/43



Right In: 7597.197+/-1.989 χ^2/NDF: 1060574.7/17

Left Out: 6722.984+/-1.090 χ^2/NDF:403317.7/24

Right Out: 7571.714+/-1.911 χ^2/NDF: 1537966.2/20

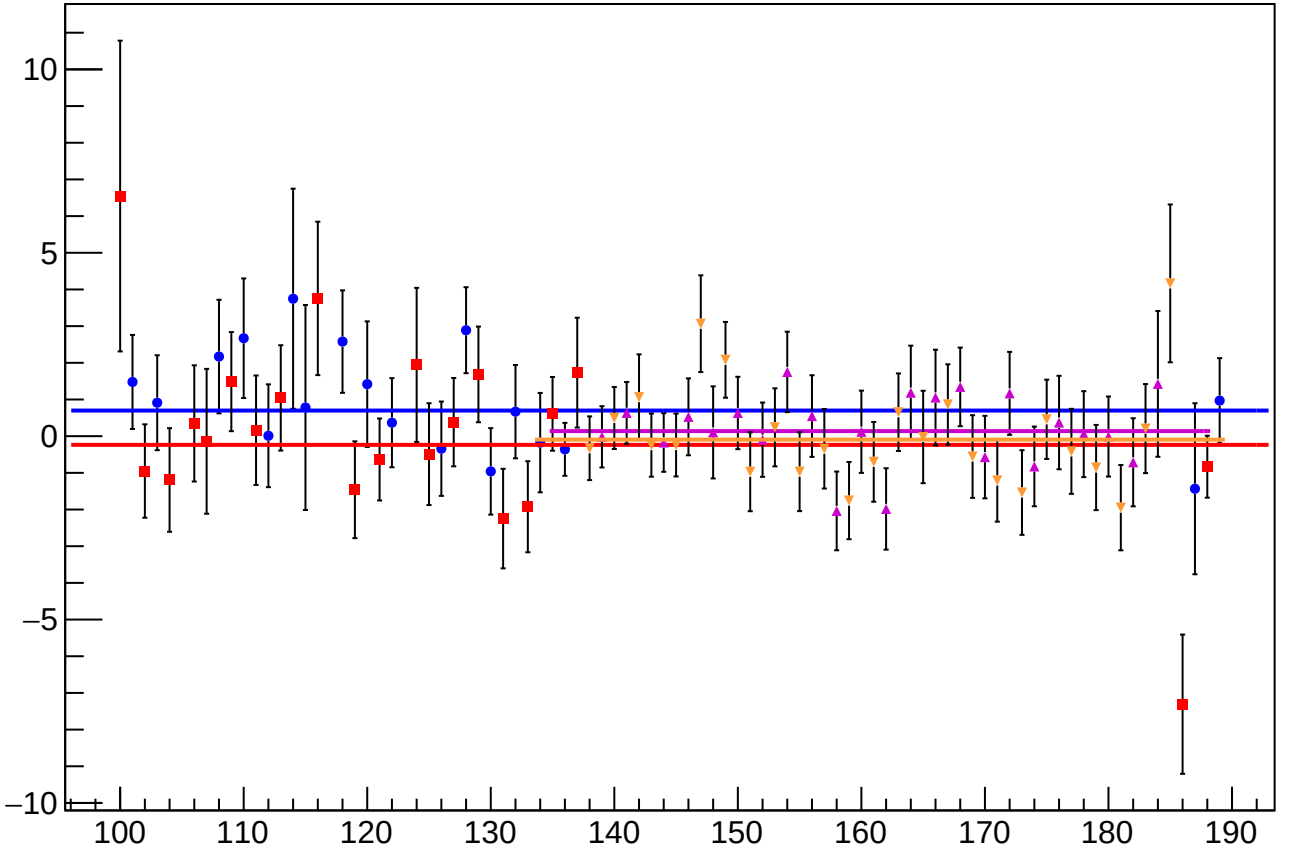
Left In: 6632.723+/-1.109 χ^2/NDF:629490.9/22

+ sign 6924.992+/-0.956 χ^2/NDF: 1612505.0/42

All: 6897.236+/-0.677 χ^2/NDF: 3962274.4/86

- sign 6869.288+/-0.959 χ^2/NDF: 2348077.2/43

diff_bpm_4aY_4acY_dd_mean vs Slug



Right In: 0.698+/-0.311 χ^2/NDF: 15.7/17

Left Out: -0.095+/-0.215 χ^2/NDF:27.3/24

Right Out: -0.237+/-0.298 χ^2/NDF: 35.0/20

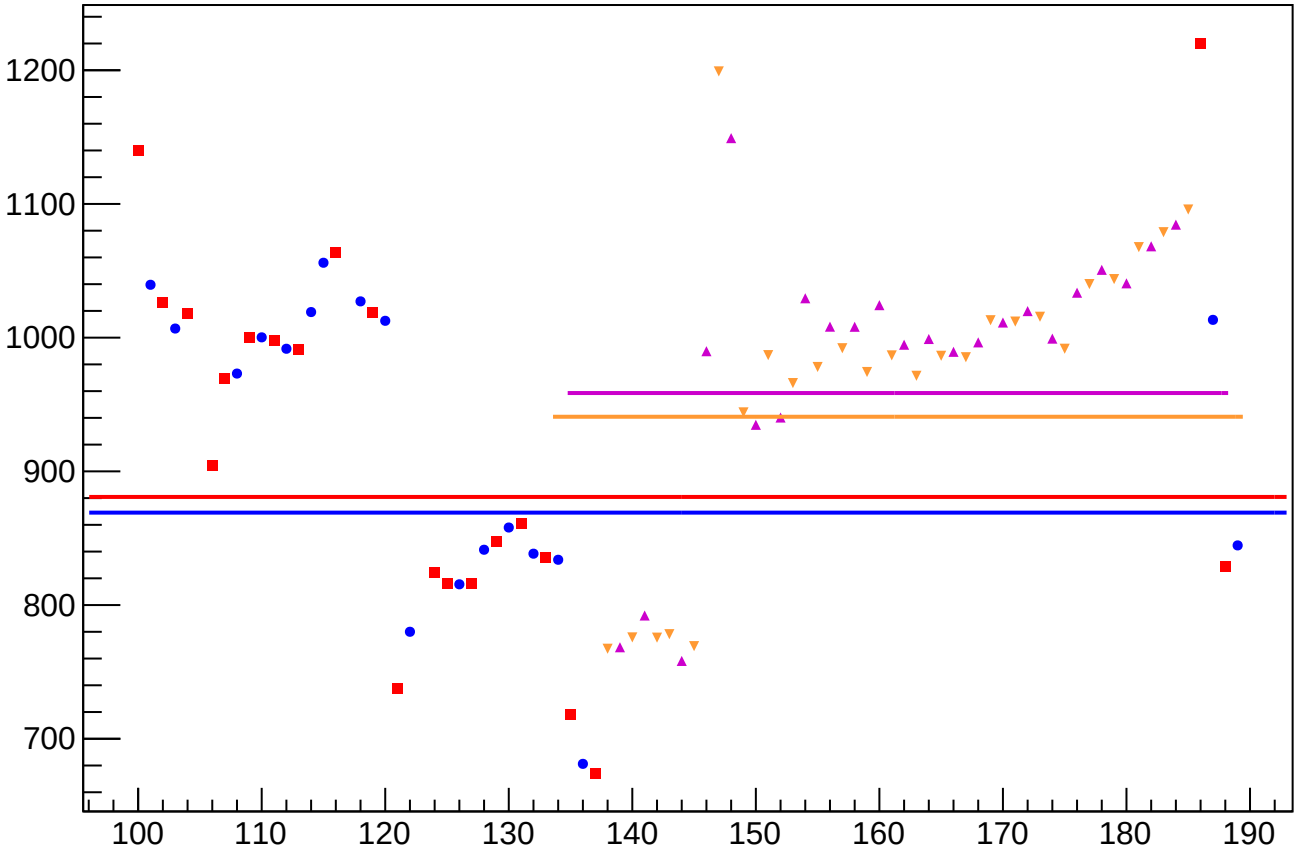
Left In: 0.138+/-0.225 χ^2/NDF:16.5/22

+ sign 0.163+/-0.177 χ^2/NDF: 47.4/42

All: 0.083+/-0.126 χ^2/NDF: 100.3/86

- sign 0.002+/-0.180 χ^2/NDF: 52.5/43

diff_bpm_4aY_4acY_dd_rms vs Slug



Right In: 869.132+/-0.220 χ^2/NDF: 310967.0/17

Left Out: 940.844+/-0.152 χ^2/NDF:568776.0/24

Right Out: 880.868+/-0.211 χ^2/NDF: 344119.7/20

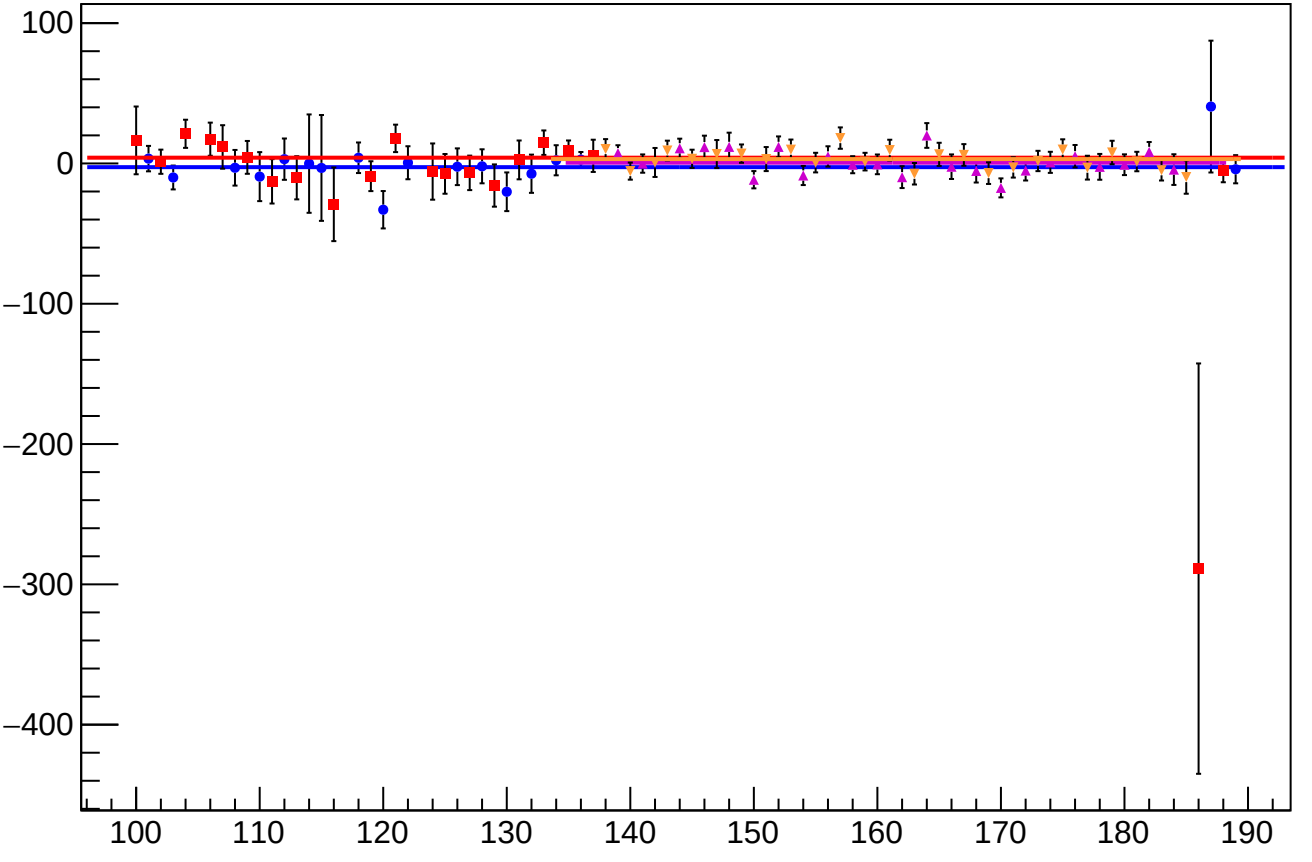
Left In: 958.578+/-0.159 χ^2/NDF:456824.8/22

\+ sign 917.595+/-0.125 χ^2/NDF: 951627.1/42

All: 923.868+/-0.089 χ^2/NDF: 1844110.2/86

\- sign 930.337+/-0.127 χ^2/NDF: 887383.1/43

diff_bpm_4aY_4eY_avg_mean vs Slug



Right In: -2.646+/-2.682 χ^2/NDF: 10.9/17

Left Out: 3.099+/-1.500 χ^2/NDF:18.6/24

Right Out: 4.107+/-2.564 χ^2/NDF: 22.6/20

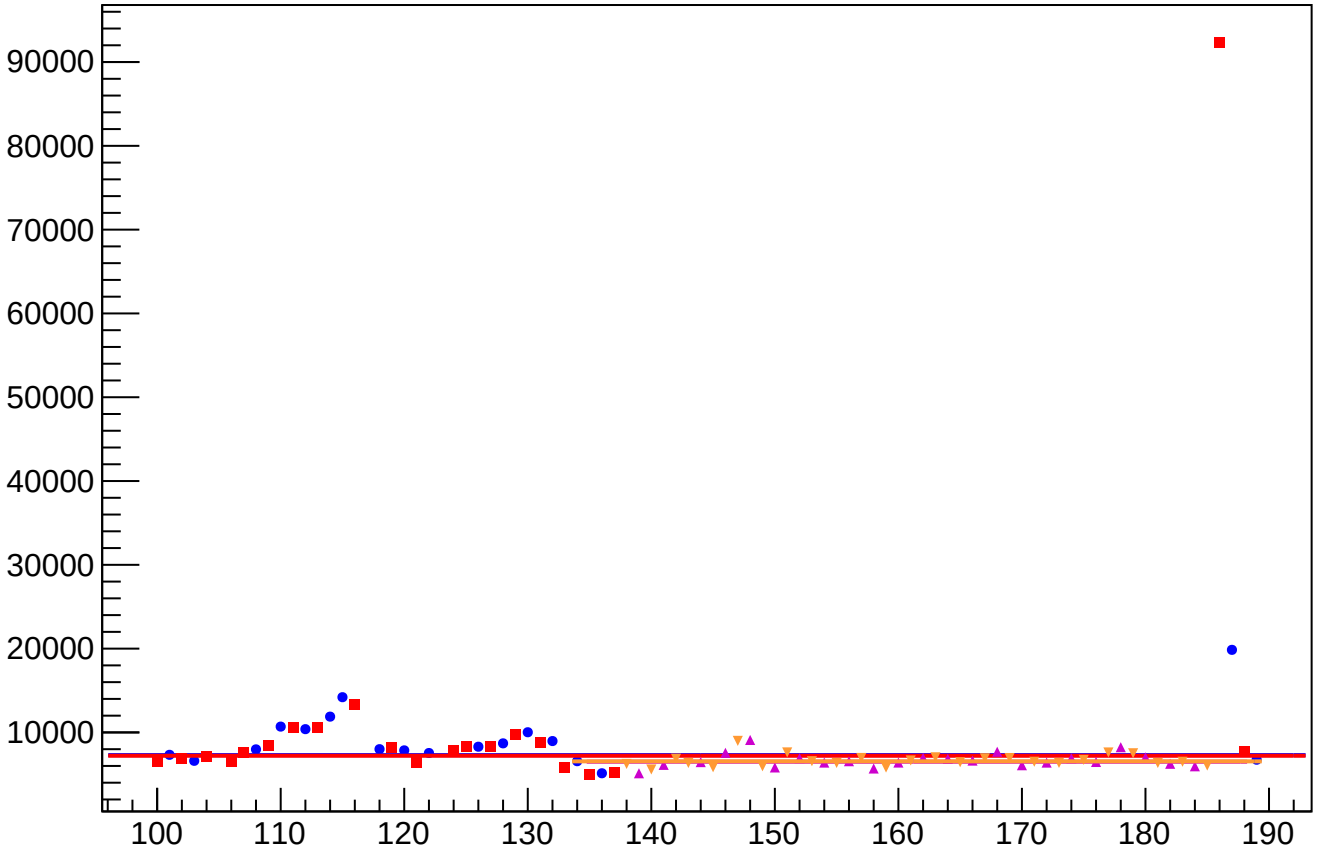
Left In: 0.519+/-1.535 χ^2/NDF:32.0/22

+ sign 1.730+/-1.309 χ^2/NDF: 33.0/42

All: 1.599+/-0.928 χ^2/NDF: 89.1/86

- sign 1.466+/-1.317 χ^2/NDF: 56.0/43

diff_bpm_4aY_4eY_avg_rms vs Slug



Right In: 7292.179+/-1.897 χ^2/NDF: 919505.4/17

Left Out: 6548.897+/-1.061 χ^2/NDF:366072.4/24

Right Out: 7217.596+/-1.813 χ^2/NDF: 1480123.9/20

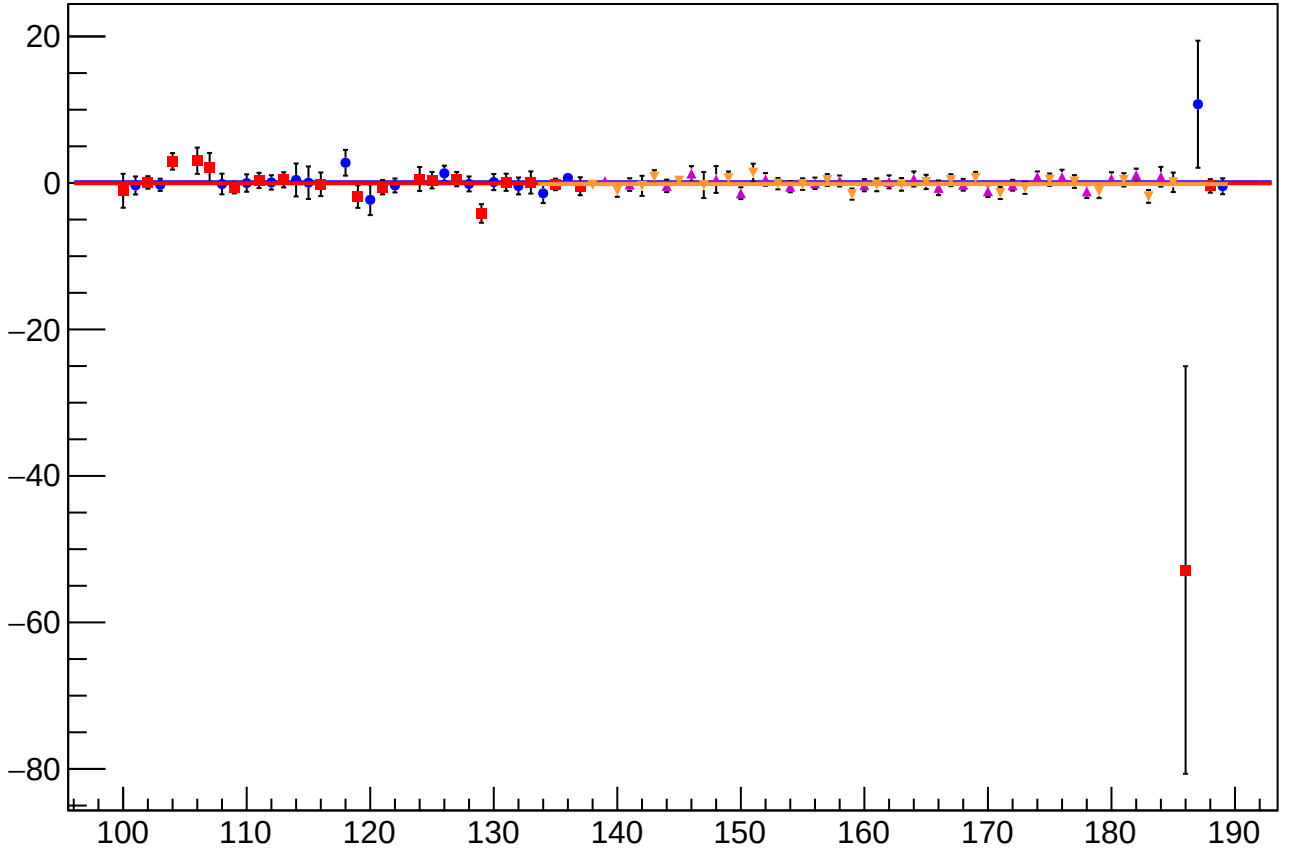
Left In: 6505.057+/-1.085 χ^2/NDF:515496.8/22

+ sign 6726.032+/-0.926 χ^2/NDF: 1402575.0/42

All: 6709.646+/-0.657 χ^2/NDF: 3512562.0/86

- sign 6693.070+/-0.931 χ^2/NDF: 2109356.9/43

diff_bpm_4aY_4eY_dd_mean vs Slug



Right In: 0.093+/-0.265 χ^2/NDF: 9.9/17

Left Out: -0.162+/-0.172 χ^2/NDF:19.0/24

Right Out: -0.046+/-0.253 χ^2/NDF: 28.9/20

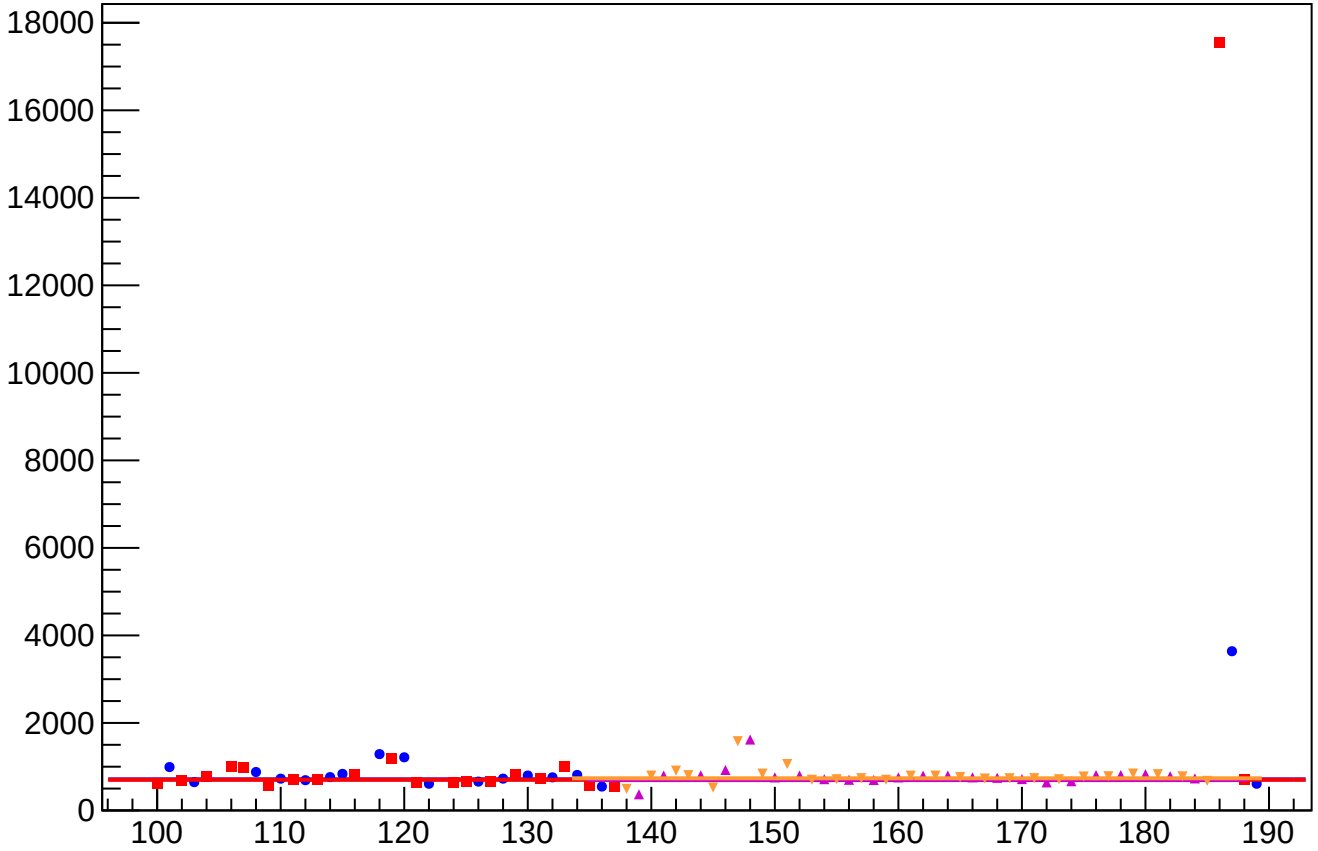
Left In: 0.017+/-0.169 χ^2/NDF:15.2/22

+ sign -0.086+/-0.144 χ^2/NDF: 29.5/42

All: -0.043+/-0.101 χ^2/NDF: 73.9/86

- sign -0.002+/-0.141 χ^2/NDF: 44.2/43

diff_bpm_4aY_4eY_dd_rms vs Slug



Right In: 710.179+/-0.187 χ^2/NDF: 944525.1/17

Left Out: 734.984+/-0.122 χ^2/NDF:1339748.9/24

Right Out: 701.635+/-0.179 χ^2/NDF: 1309455.5/20

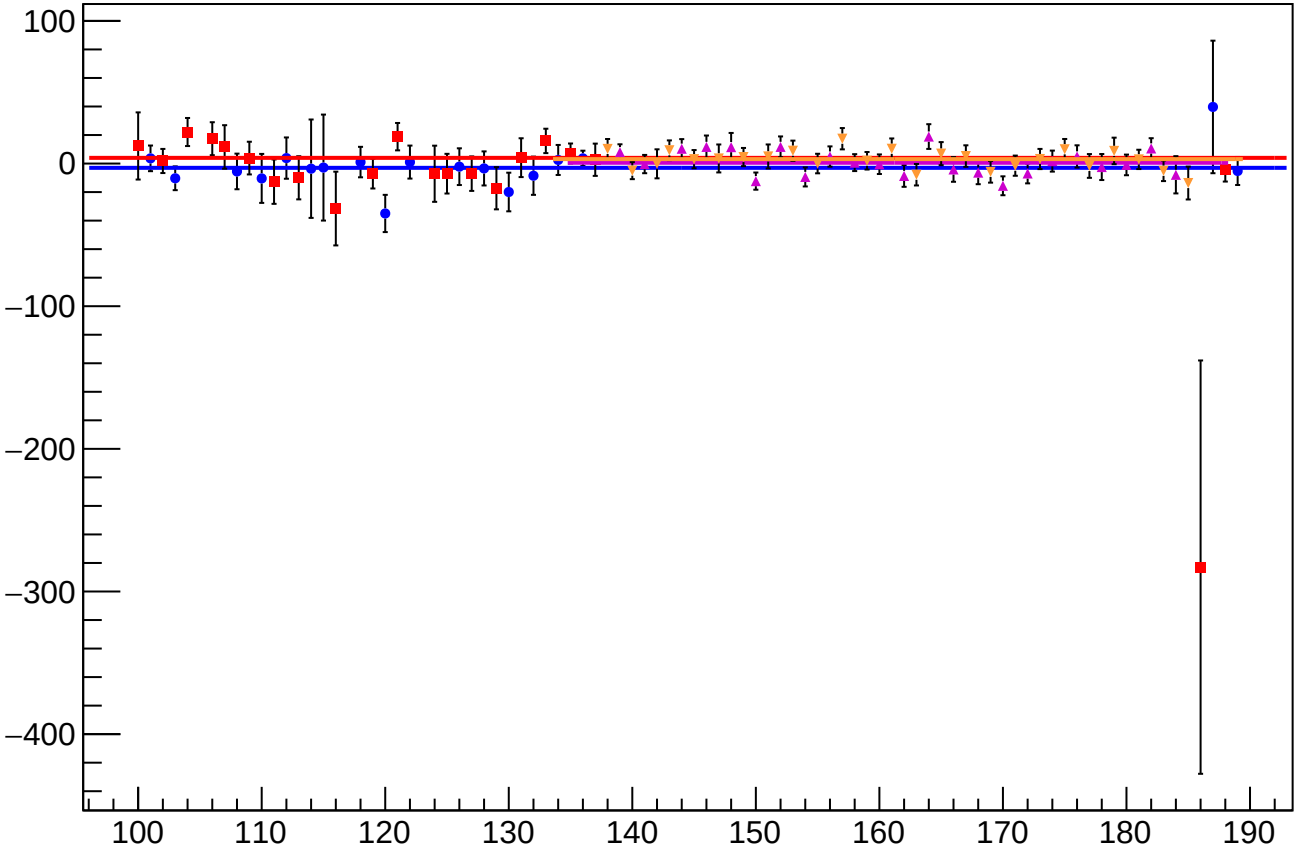
Left In: 694.150+/-0.120 χ^2/NDF:2225094.5/22

+ sign 727.615+/-0.102 χ^2/NDF: 2296613.3/42

All: 711.632+/-0.071 χ^2/NDF: 5880200.4/86

- sign 696.459+/-0.099 χ^2/NDF: 3535758.8/43

diff_bpm_4aY_4ecY_avg_mean vs Slug



Right In: -2.998+/-2.640 χ^2/NDF: 12.5/17

Left Out: 3.111+/-1.476 χ^2/NDF:18.7/24

Right Out: 3.997+/-2.526 χ^2/NDF: 23.5/20

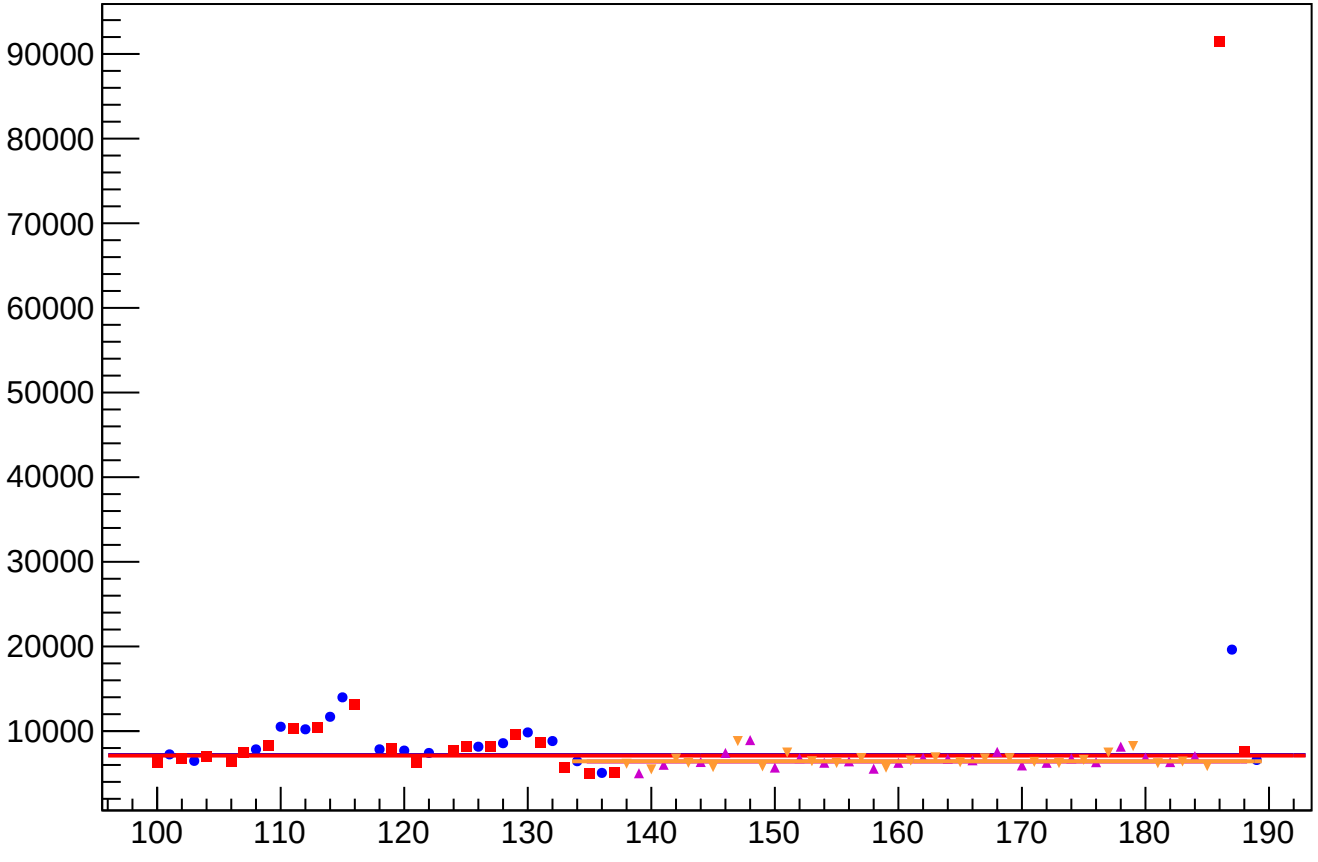
Left In: 0.550+/-1.512 χ^2/NDF:33.6/22

+ sign 1.656+/-1.289 χ^2/NDF: 35.3/42

All: 1.559+/-0.914 χ^2/NDF: 93.8/86

- sign 1.460+/-1.298 χ^2/NDF: 58.5/43

diff_bpm_4aY_4ecY_avg_rms vs Slug



Right In: 7176.425+/-1.867 χ^2/NDF: 912790.7/17

Left Out: 6435.363+/-1.044 χ^2/NDF:417318.3/24

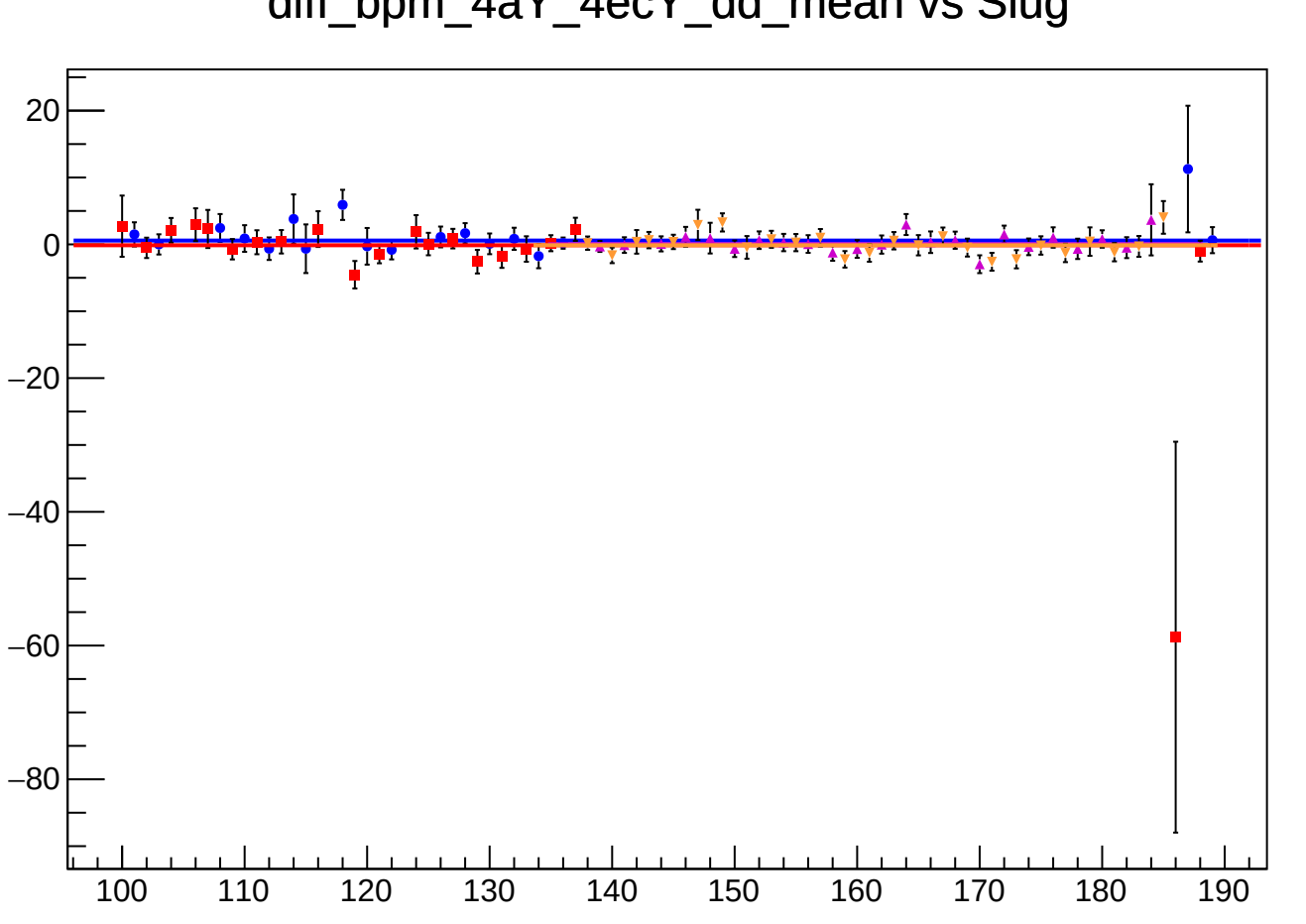
Right Out: 7110.985+/-1.786 χ^2/NDF: 1452827.5/20

Left In: 6405.229+/-1.069 χ^2/NDF:525079.4/22

+ sign 6611.845+/-0.911 χ^2/NDF: 1450136.2/42

All: 6601.748+/-0.647 χ^2/NDF: 3543237.5/86

- sign 6591.508+/-0.918 χ^2/NDF: 2092853.9/43



Right In: 0.570+/-0.402 χ^2/NDF: 13.2/17

Left Out: -0.122+/-0.273 χ^2/NDF:27.0/24

Right Out: -0.131+/-0.395 χ^2/NDF: 21.2/20

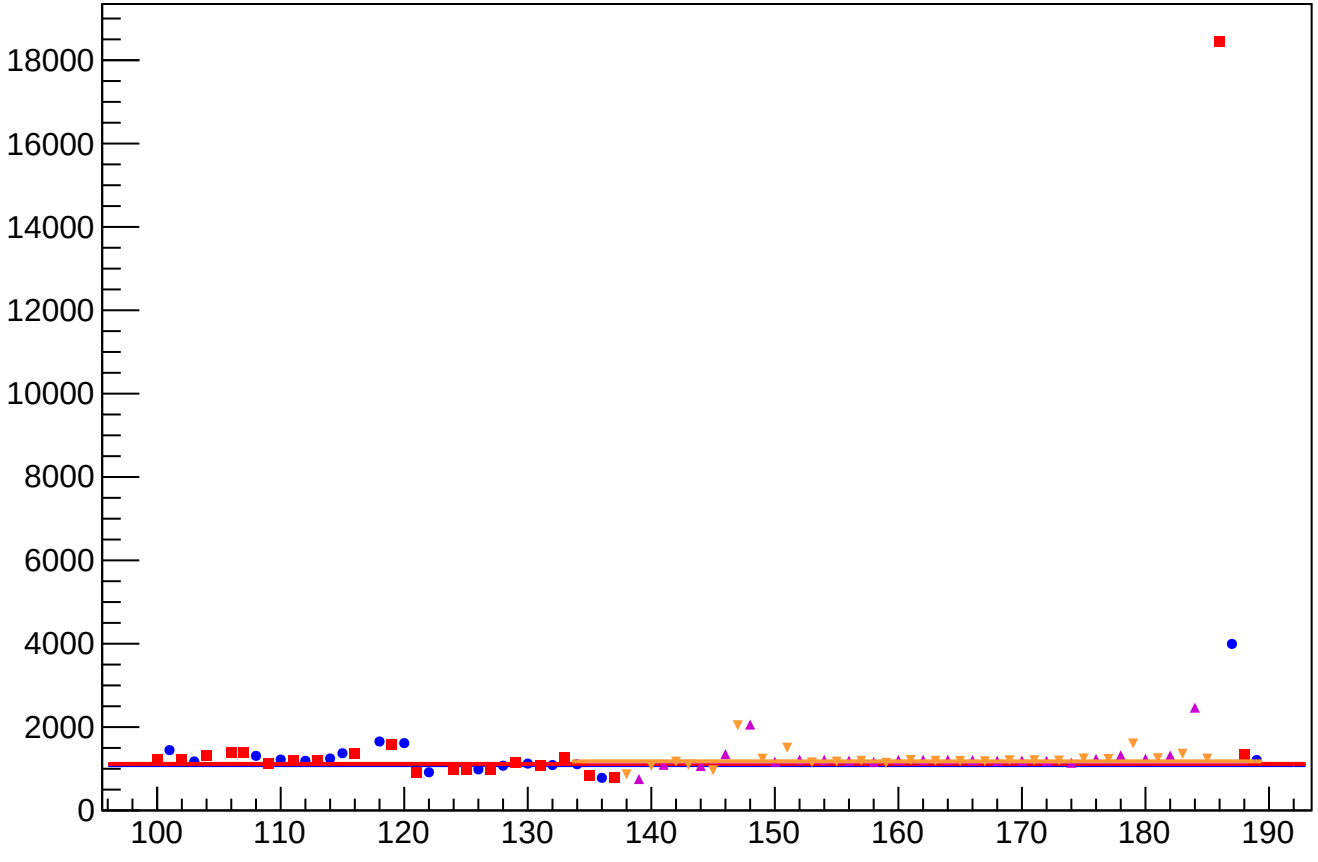
Left In: 0.029+/-0.279 χ^2/NDF:14.4/22

+ sign 0.097+/-0.226 χ^2/NDF: 42.2/42

All: 0.037+/-0.160 χ^2/NDF: 78.1/86

- sign -0.024+/-0.228 χ^2/NDF: 35.8/43

diff_bpm_4aY_4ecY_dd_rms vs Slug



Right In: 1088.209+/-0.284 χ^2/NDF: 844385.6/17

Left Out: 1177.742+/-0.193 χ^2/NDF:800899.0/24

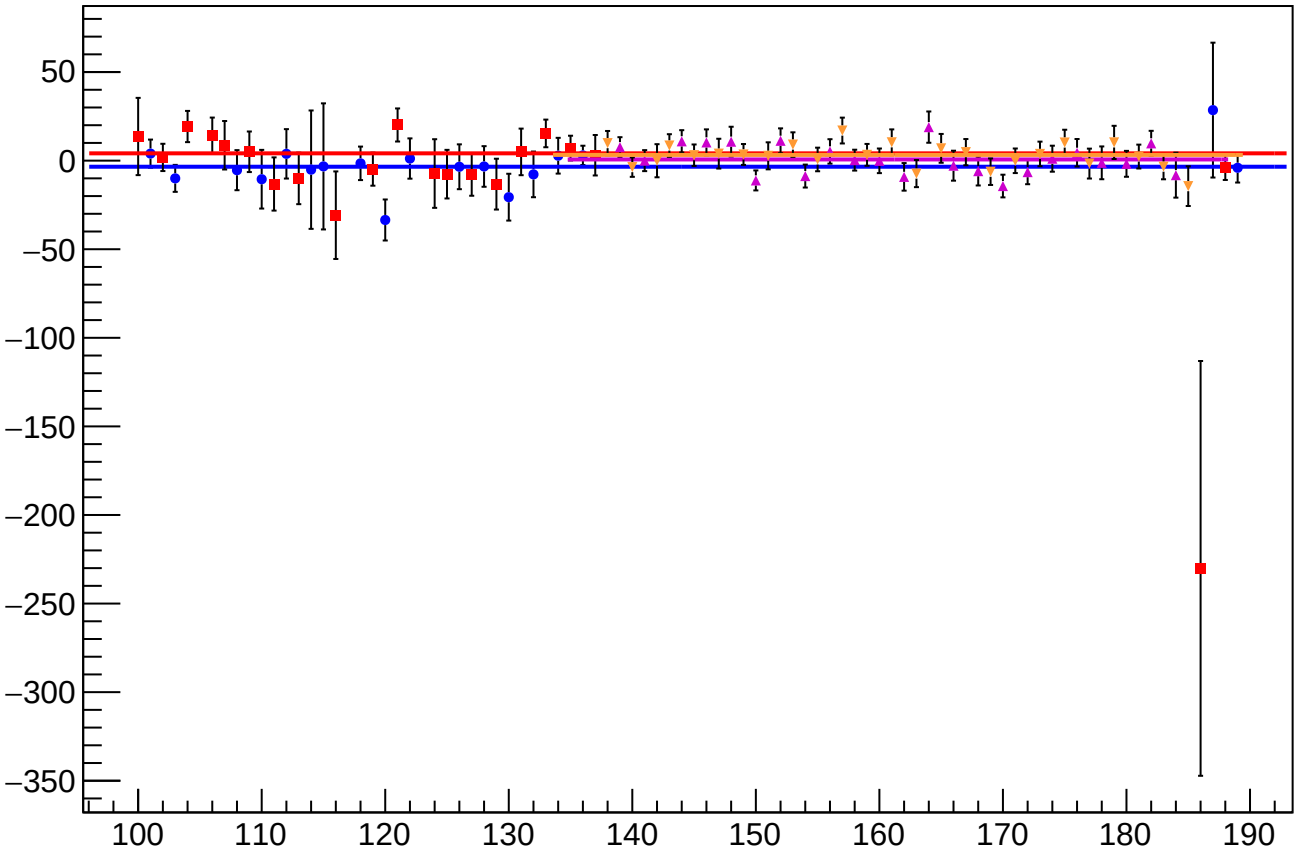
Right Out: 1116.641+/-0.280 χ^2/NDF: 1237099.3/20

Left In: 1163.827+/-0.197 χ^2/NDF:1052206.0/22

+ sign 1149.397+/-0.160 χ^2/NDF: 1713201.0/42

All: 1148.792+/-0.113 χ^2/NDF: 4021565.1/86

- sign 1148.178+/-0.161 χ^2/NDF: 2308335.3/43



Right In: -3.435+/-2.484 χ^2/NDF: 13.3/17

Left Out: 3.234+/-1.430 χ^2/NDF:17.9/24

Right Out: 4.123+/-2.368 χ^2/NDF: 23.6/20

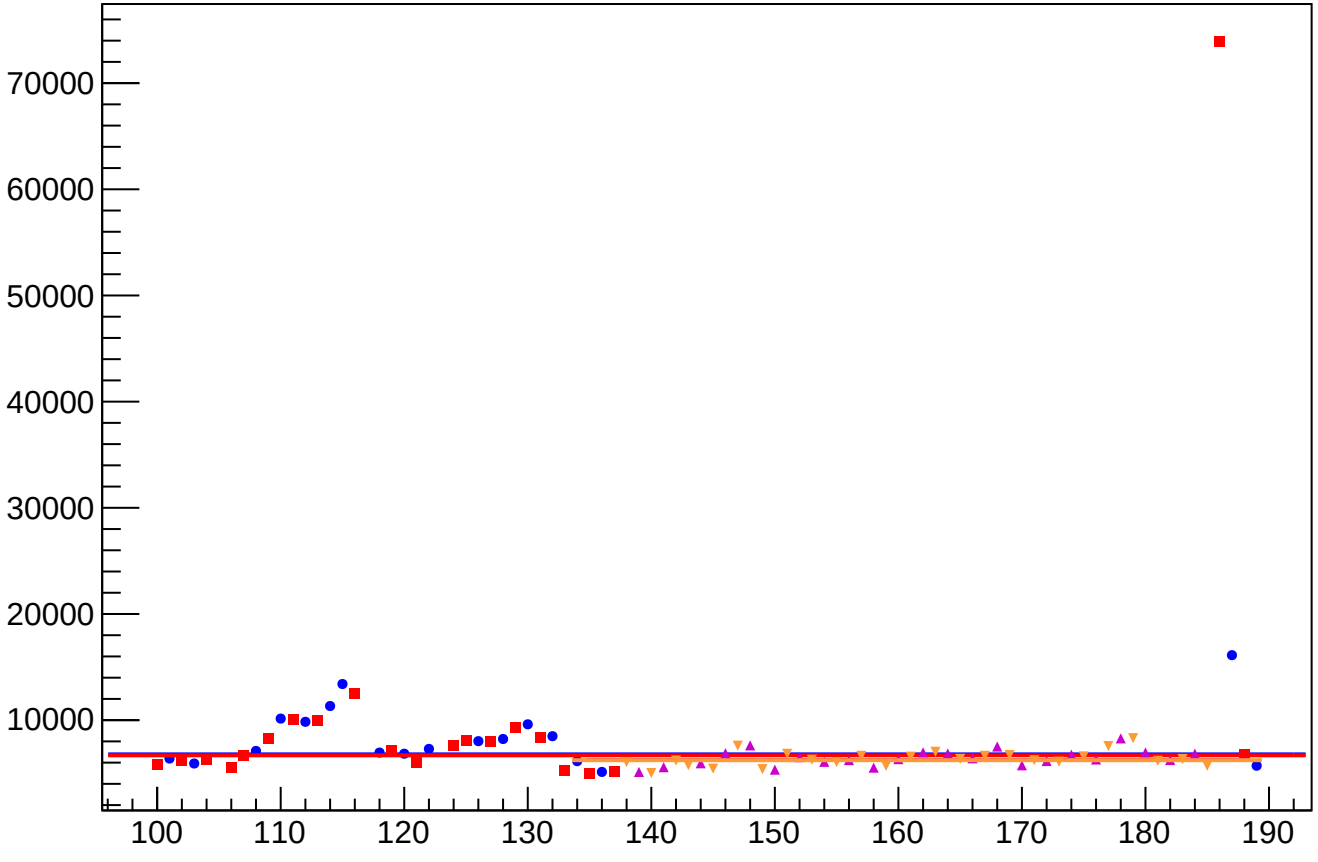
Left In: 0.667+/-1.474 χ^2/NDF:32.4/22

+ sign 1.575+/-1.239 χ^2/NDF: 36.6/42

All: 1.603+/-0.880 χ^2/NDF: 94.1/86

- sign 1.632+/-1.251 χ^2/NDF: 57.4/43

diff_bpm_4eY_4ecY_avg_rms vs Slug



Right In: 6773.956+/-1.756 χ^2/NDF: 847051.4/17

Left Out: 6228.654+/-1.011 χ^2/NDF:470851.7/24

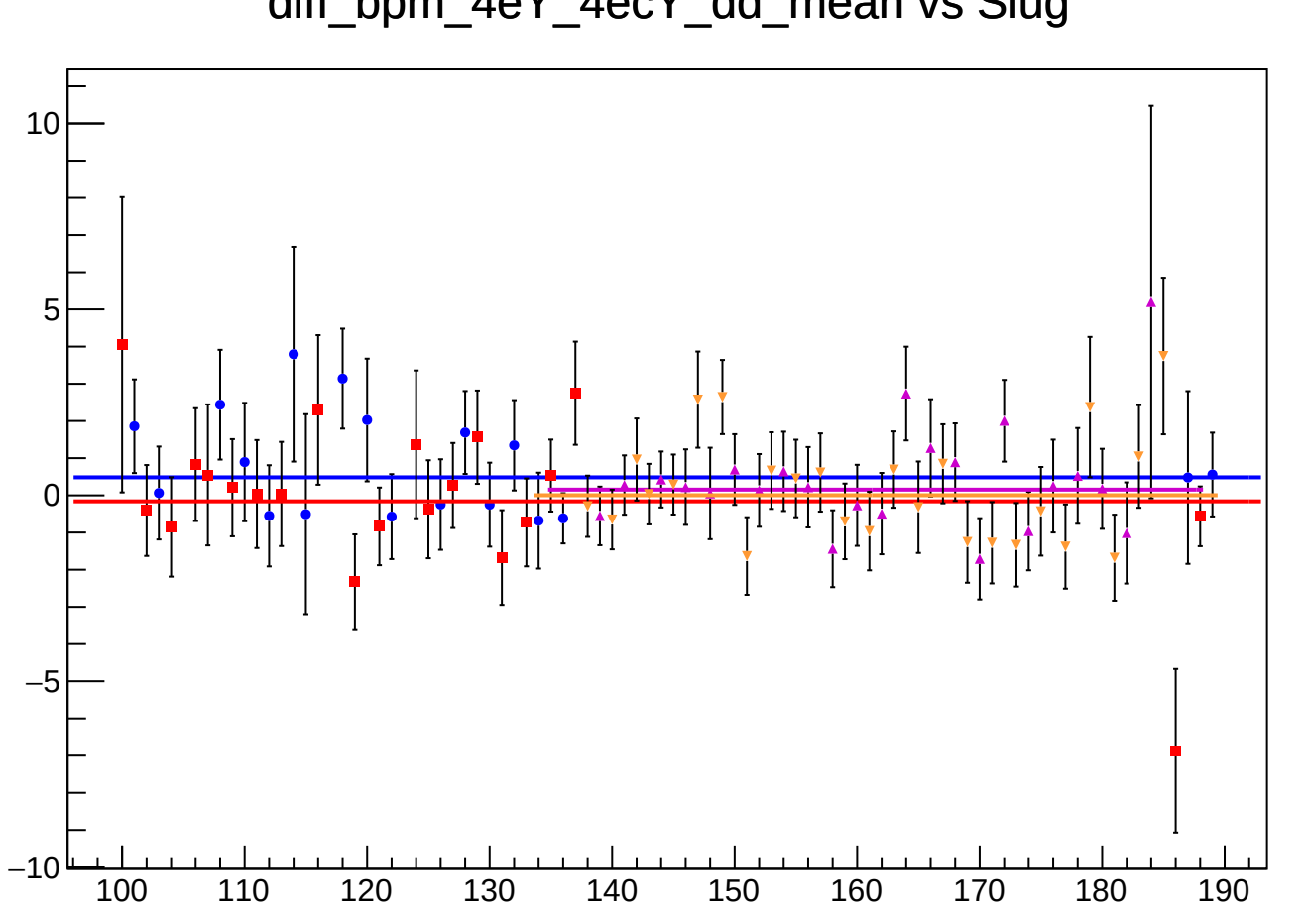
Right Out: 6688.399+/-1.675 χ^2/NDF: 1445467.2/20

Left In: 6246.800+/-1.042 χ^2/NDF:484982.9/22

+ sign 6364.347+/-0.876 χ^2/NDF: 1390313.6/42

All: 6367.175+/-0.623 χ^2/NDF: 3370910.8/86

- sign 6370.059+/-0.885 χ^2/NDF: 1980576.1/43



Right In: 0.484+/-0.297 χ^2/NDF: 16.7/17

Left Out: 0.003+/-0.212 χ^2/NDF:31.6/24

Right Out: -0.161+/-0.286 χ^2/NDF: 25.6/20

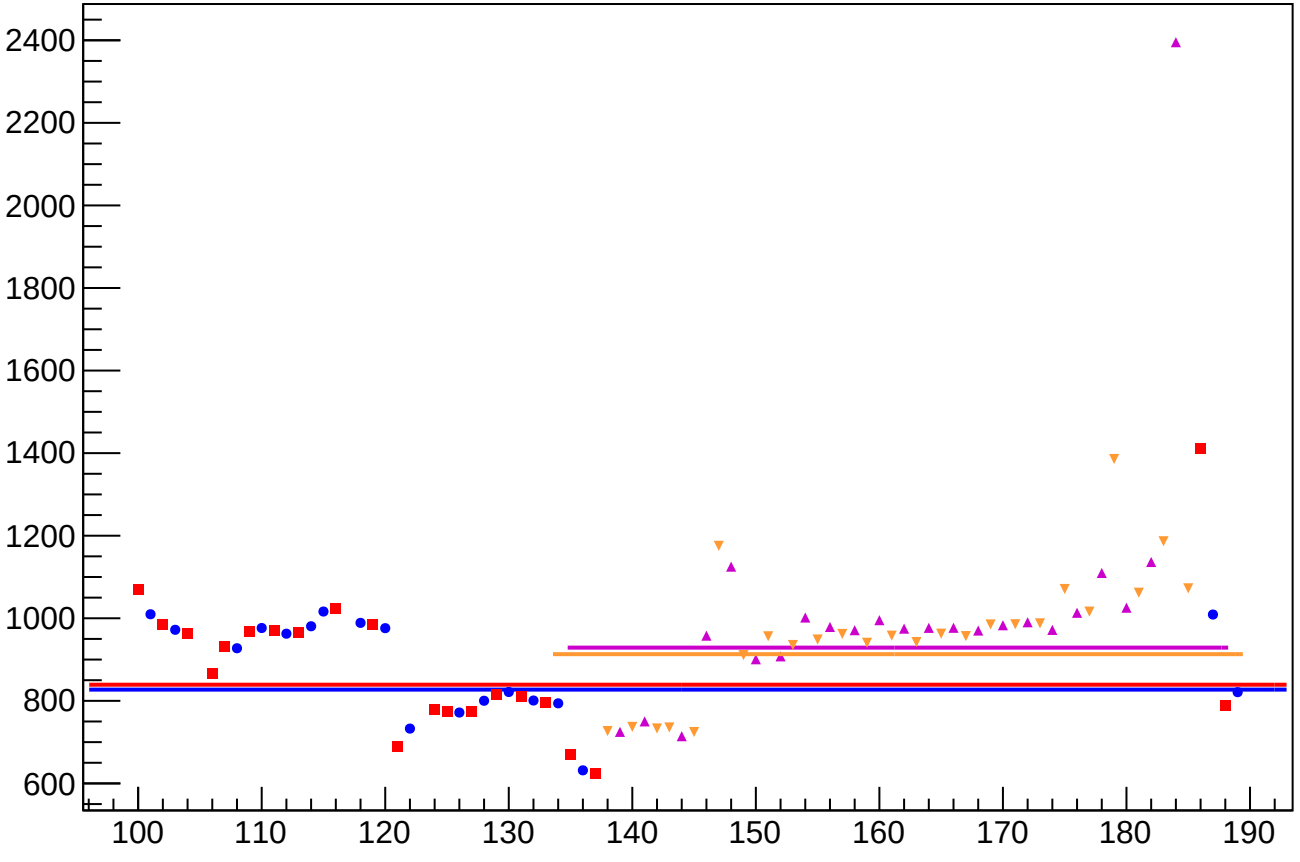
Left In: 0.154+/-0.221 χ^2/NDF:18.4/22

+ sign 0.165+/-0.173 χ^2/NDF: 50.1/42

All: 0.102+/-0.123 χ^2/NDF: 95.2/86

- sign 0.036+/-0.175 χ^2/NDF: 44.8/43

diff_bpm_4eY_4ecY_dd_rms vs Slug



Right In: 827.218+/-0.210 χ^2/NDF: 377948.8/17

Left Out: 913.070+/-0.150 χ^2/NDF:889200.0/24

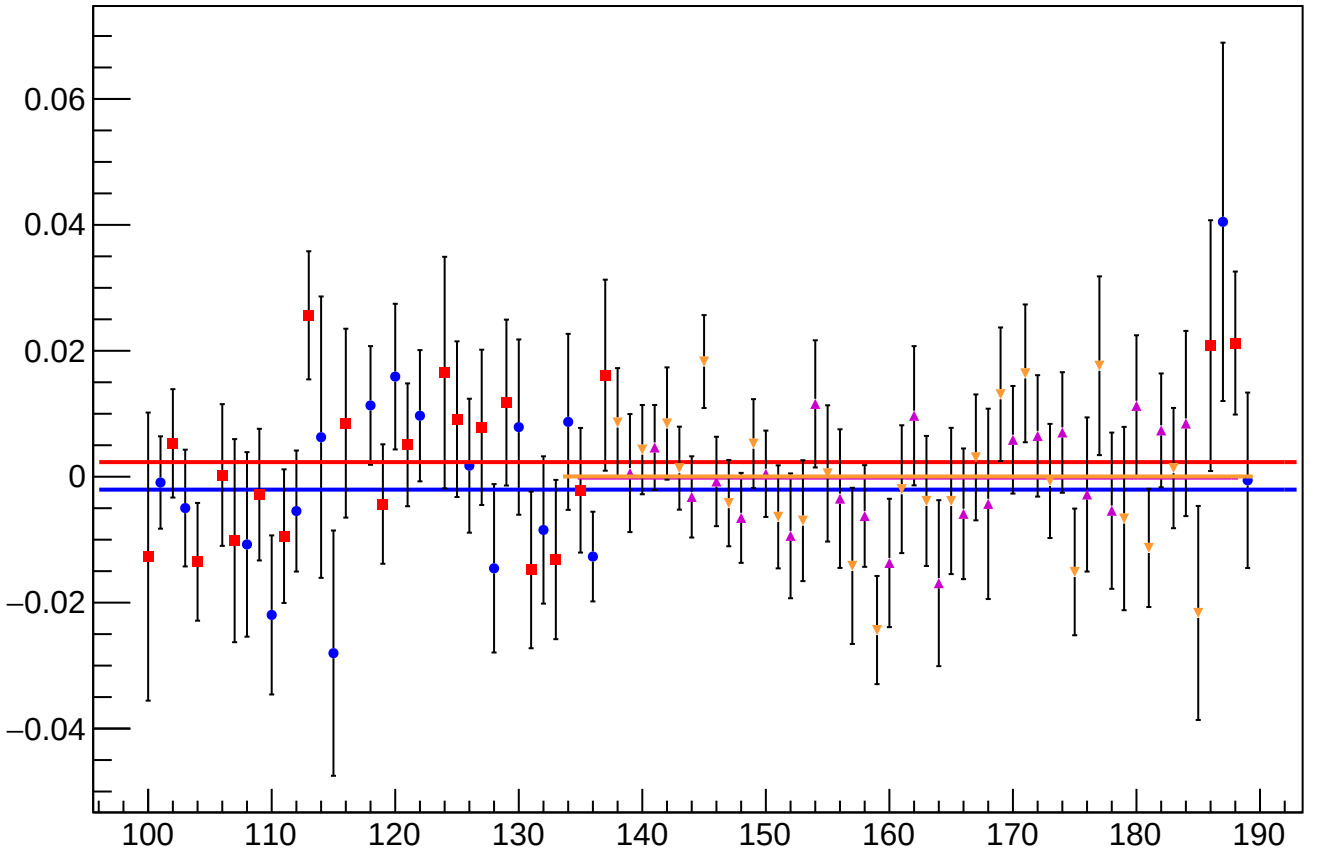
Right Out: 839.092+/-0.202 χ^2/NDF: 463234.2/20

Left In: 928.913+/-0.156 χ^2/NDF:769065.0/22

+ sign 884.125+/-0.122 χ^2/NDF: 1377811.7/42

All: 889.618+/-0.087 χ^2/NDF: 2737930.2/86

- sign 895.258+/-0.124 χ^2/NDF: 1356009.8/43



Right In: -0.002+/-0.003 χ^2/NDF: 17.6/17

Left Out: 0.000+/-0.002 χ^2/NDF:31.1/24

Right Out: 0.002+/-0.003 χ^2/NDF: 21.2/20

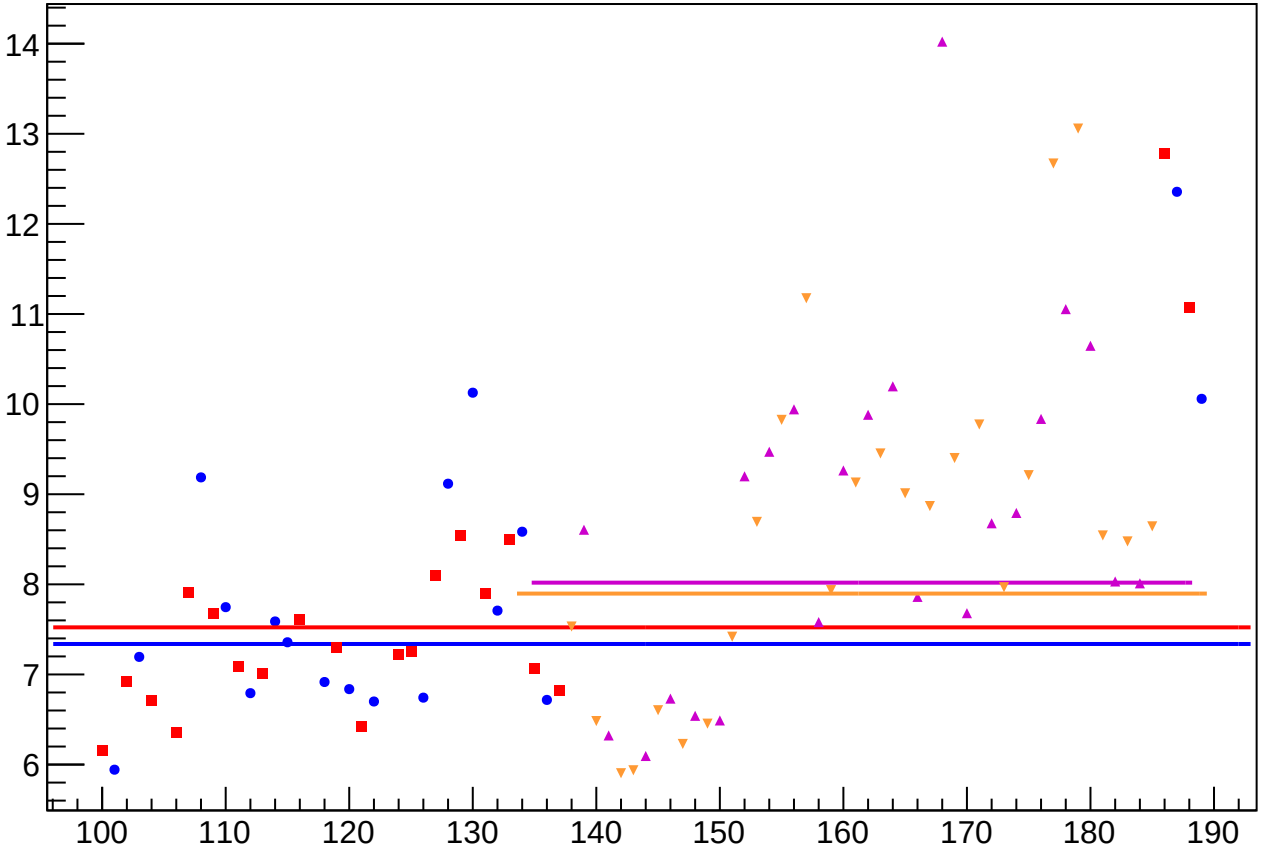
Left In: -0.000+/-0.002 χ^2/NDF:12.8/22

+ sign -0.001+/-0.002 χ^2/NDF: 49.1/42

All: 0.000+/-0.001 χ^2/NDF: 84.1/86

- sign 0.001+/-0.002 χ^2/NDF: 34.6/43

diff_dispE_bpm12X_rms vs Slug



Right In: 7.338+/-0.002 χ^2/NDF: 422060.2/17

Left Out: 7.897+/-0.001 χ^2/NDF:1590867.7/24

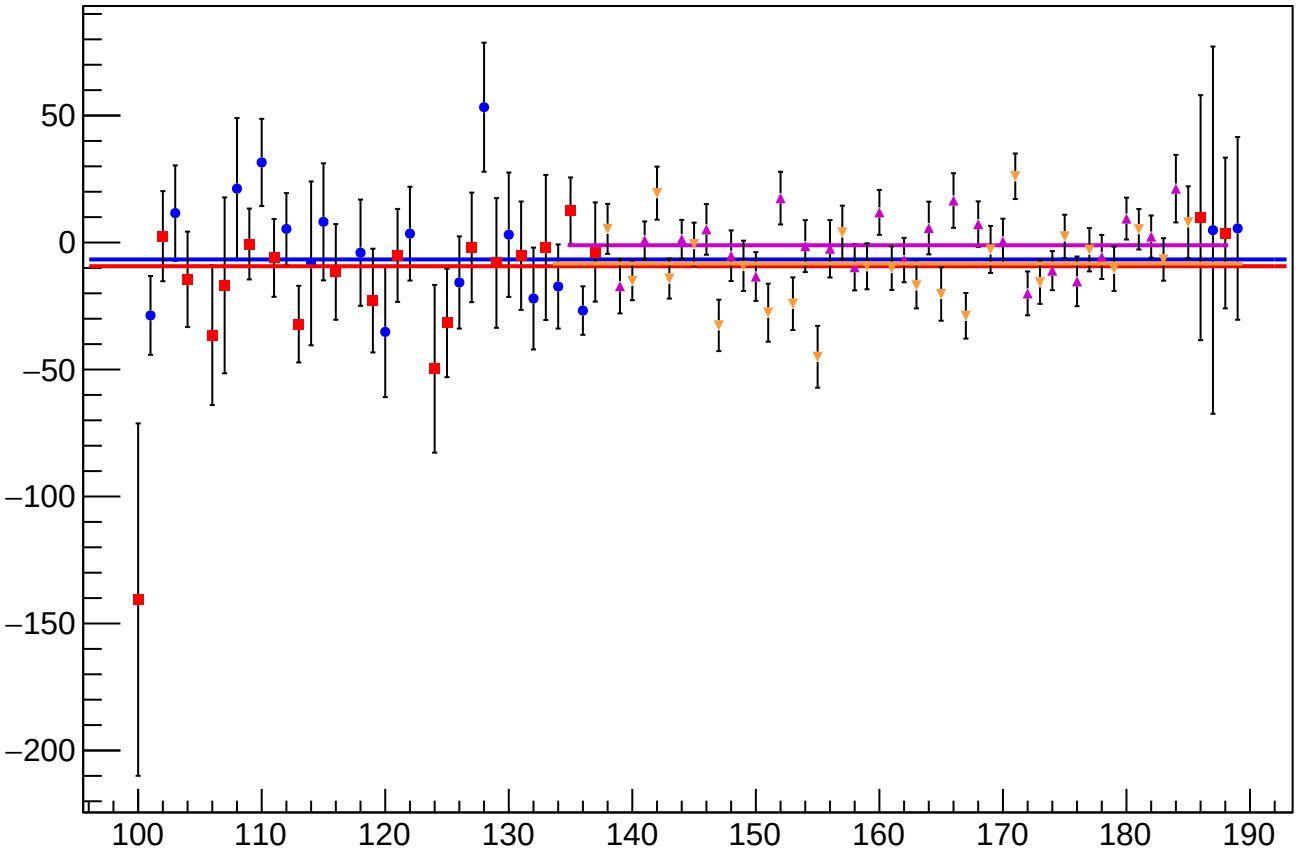
Right Out: 7.523+/-0.002 χ^2/NDF: 464475.8/20

Left In: 8.019+/-0.001 χ^2/NDF:1455714.6/22

+ sign 7.715+/-0.001 χ^2/NDF: 2073048.6/42

All: 7.777+/-0.001 χ^2/NDF: 4048069.0/86

- sign 7.841+/-0.001 χ^2/NDF: 1968143.7/43



Right In: -6.656+/-4.445 χ^2/NDF: 23.2/17

Left Out: -8.256+/-1.849 χ^2/NDF:62.2/24

Right Out: -9.320+/-4.447 χ^2/NDF: 14.3/20

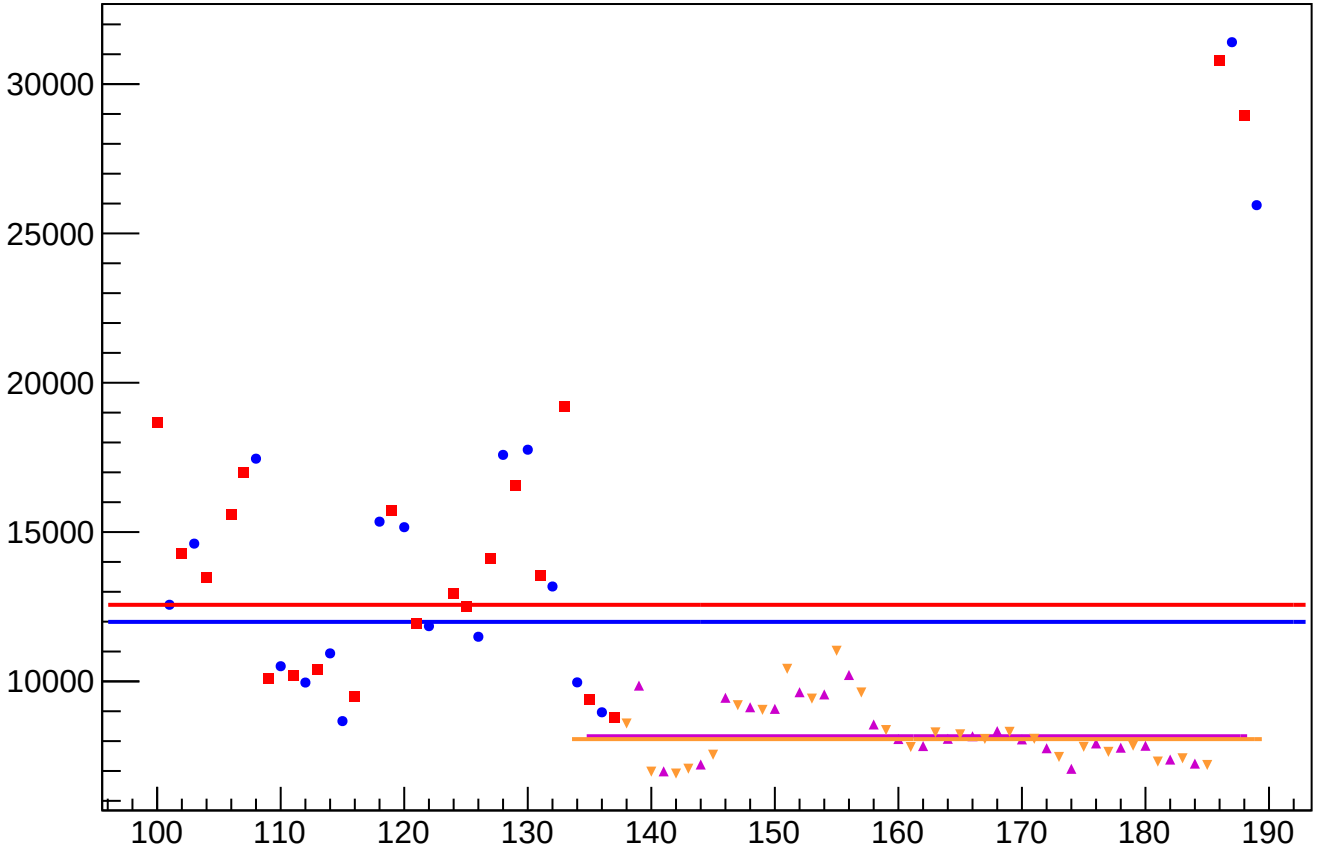
Left In: -1.072+/-1.921 χ^2/NDF:28.8/22

+ sign -8.020+/-1.708 χ^2/NDF: 85.4/42

All: -5.285+/-1.227 χ^2/NDF: 136.8/86

- sign -2.369+/-1.763 χ^2/NDF: 46.1/43

diff_targ_positionX_rms vs Slug



Right In: 11992.643+/-3.143 χ^2/NDF: 1193720.2/17

Left Out: 8066.710+/-1.308 χ^2/NDF:498146.1/24

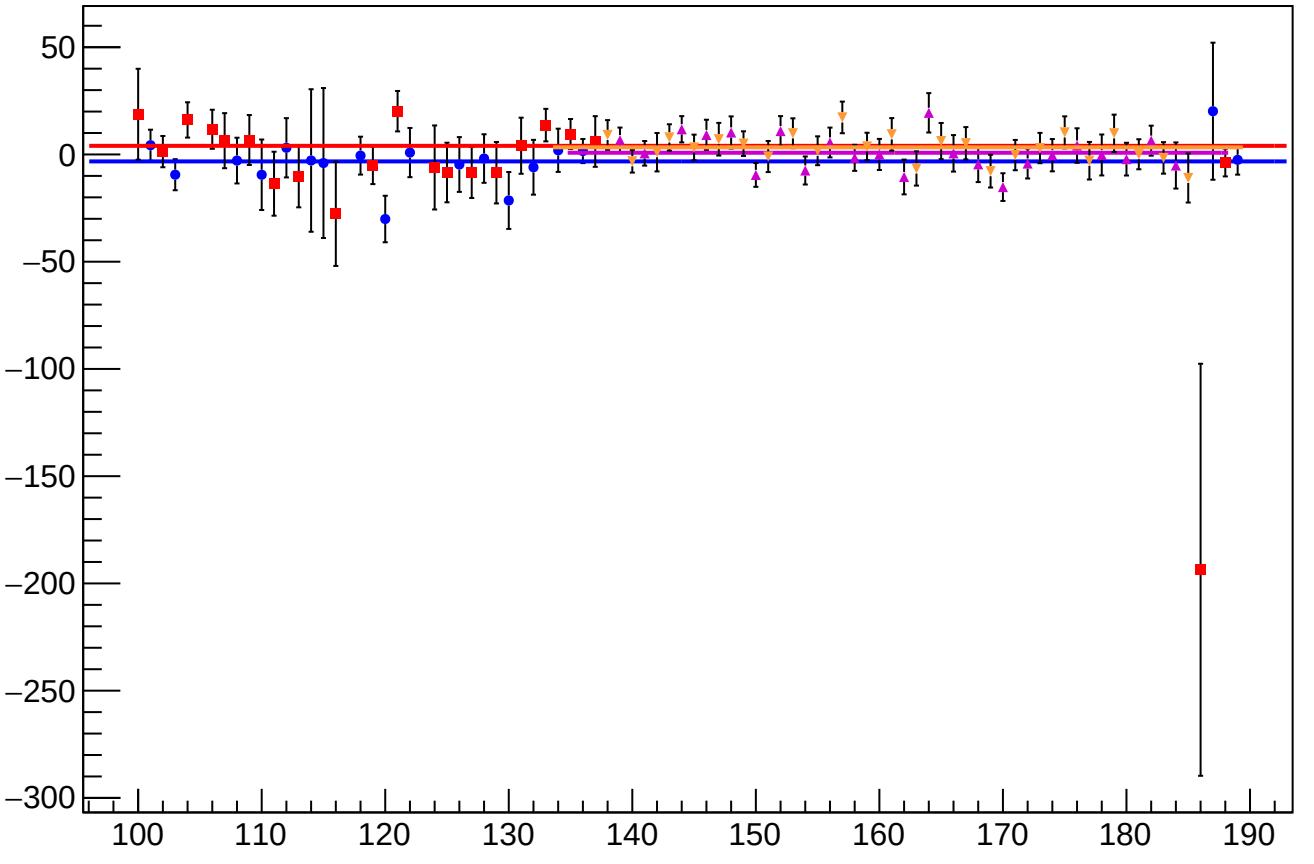
Right Out: 12563.712+/-3.144 χ^2/NDF: 1608678.2/20

Left In: 8163.472+/-1.358 χ^2/NDF:432350.3/22

+ sign 8645.964+/-1.207 χ^2/NDF: 3021610.8/42

All: 8747.297+/-0.867 χ^2/NDF: 6727508.8/86

- sign 8855.363+/-1.247 χ^2/NDF: 3691343.0/43



Right In: -3.238+/-2.385 χ^2/NDF: 12.0/17

Left Out: 3.330+/-1.431 χ^2/NDF:16.9/24

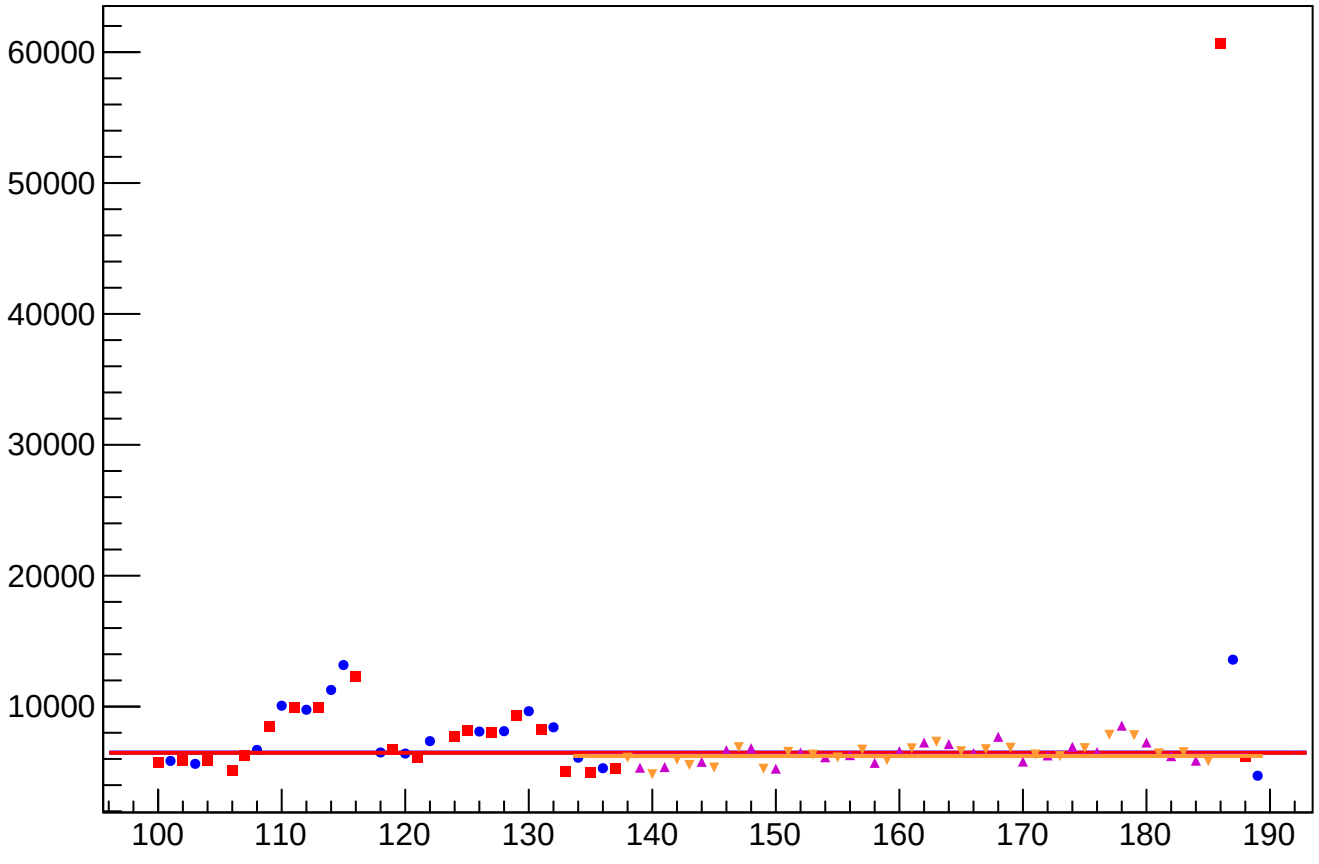
Right Out: 4.016+/-2.287 χ^2/NDF: 22.6/20

Left In: 0.797+/-1.479 χ^2/NDF:29.4/22

+ sign 1.592+/-1.227 χ^2/NDF: 34.6/42

All: 1.668+/-0.873 χ^2/NDF: 87.9/86

- sign 1.746+/-1.242 χ^2/NDF: 53.4/43



Right In: 6486.451+/-1.686 χ^2/NDF: 934280.4/17

Left Out: 6230.934+/-1.012 χ^2/NDF:532579.4/24

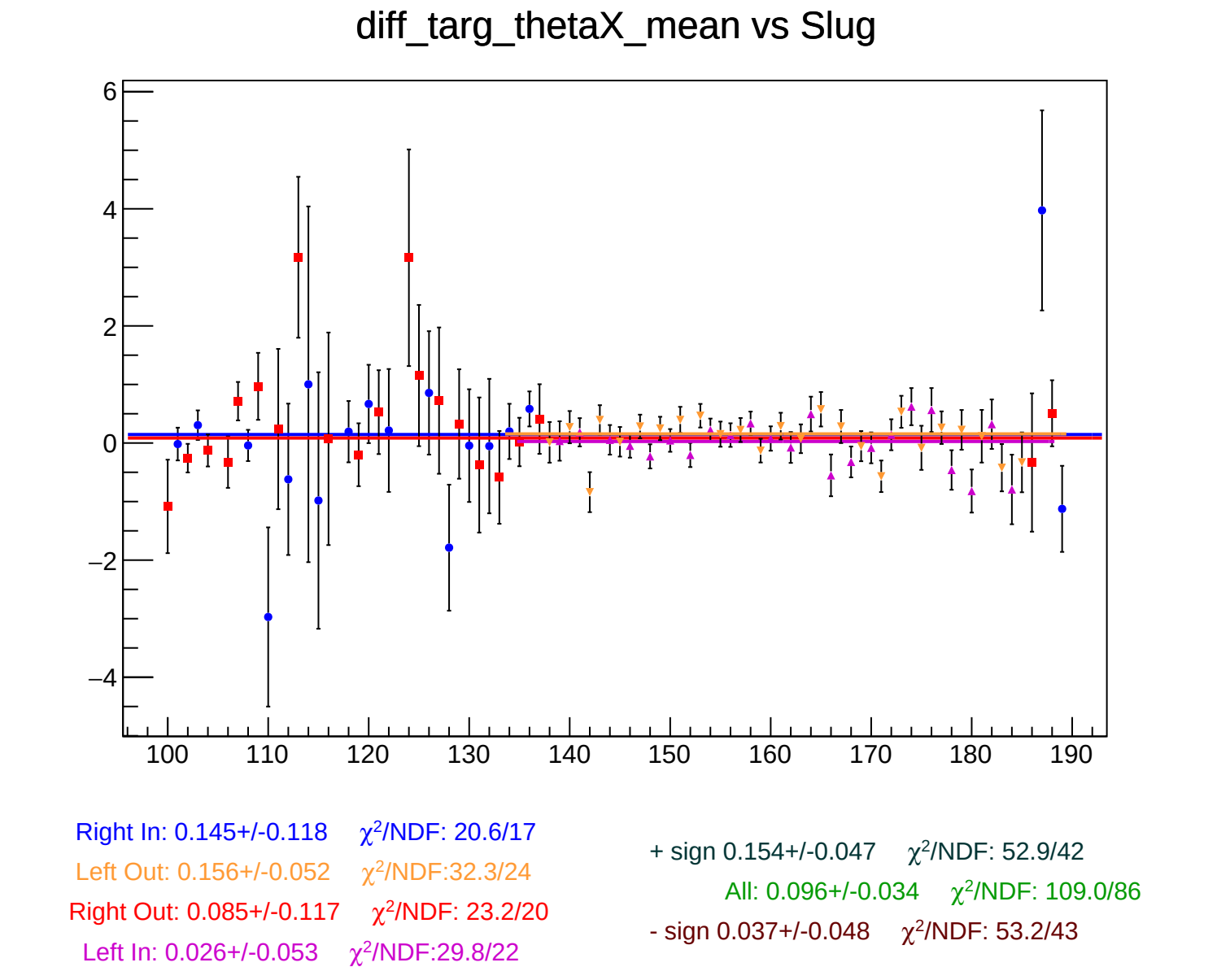
Right Out: 6470.635+/-1.617 χ^2/NDF: 1479897.4/20

Left In: 6270.834+/-1.046 χ^2/NDF:504723.6/22

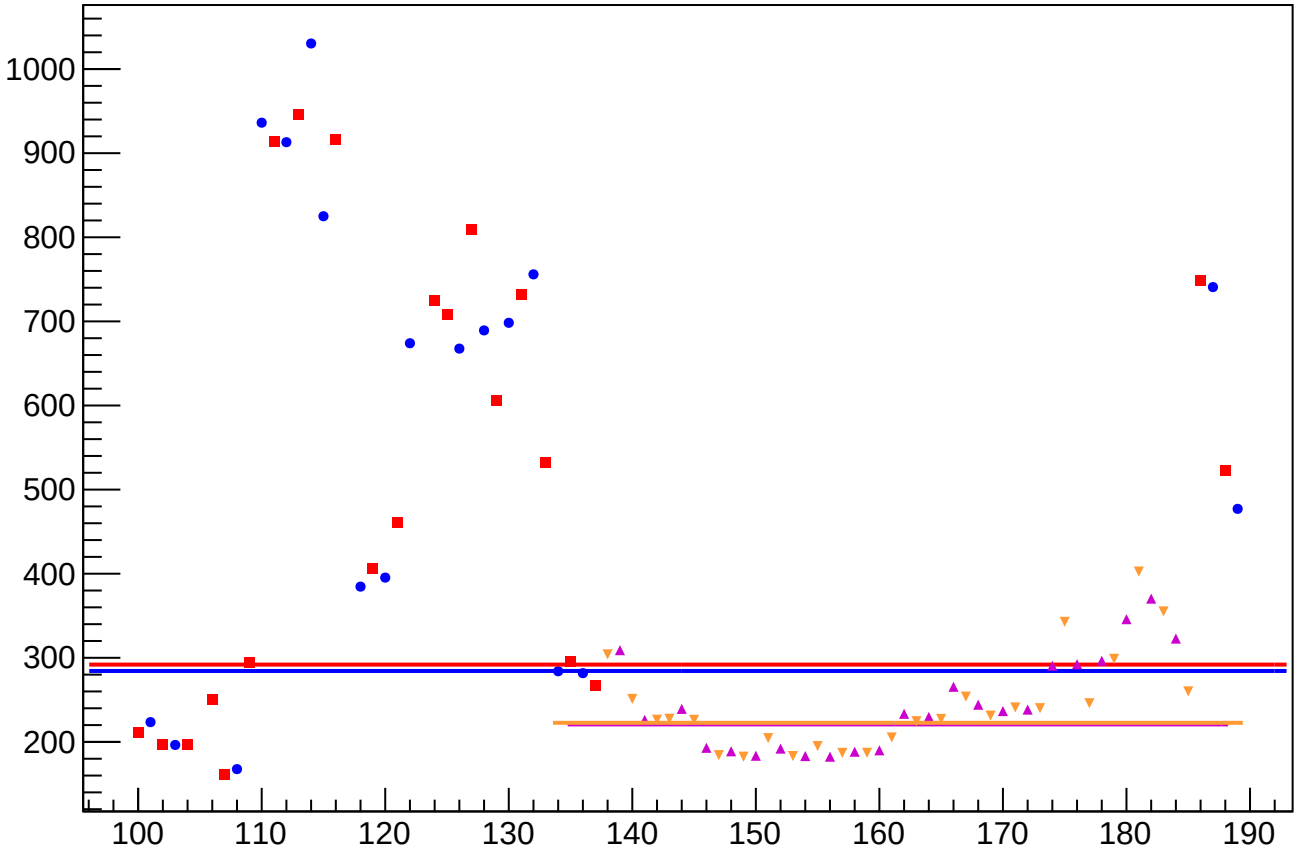
+ sign 6298.548+/-0.867 χ^2/NDF: 1483744.1/42

All: 6313.947+/-0.617 χ^2/NDF: 3479766.4/86

- sign 6329.724+/-0.878 χ^2/NDF: 1995384.3/43


diff_targ_thetaX_mean vs Slug
6
4
2
0
−2
−4
100
110
120
130
140
150
160
170
180
190
Right In: 0.145+/-0.118 χ²/NDF: 20.6/17
Left Out: 0.156+/-0.052 χ²/NDF:32.3/24
Right Out: 0.085+/-0.117 χ²/NDF: 23.2/20
Left In: 0.026+/-0.053 χ²/NDF:29.8/22
+ sign 0.154+/-0.047 χ²/NDF: 52.9/42
All: 0.096+/-0.034 χ²/NDF: 109.0/86
- sign 0.037+/-0.048 χ²/NDF: 53.2/43

diff_targ_thetaX_rms vs Slug



Right In: 284.351+/-0.083 χ^2/NDF: 3738187.2/17

Left Out: 222.727+/-0.037 χ^2/NDF:1451363.0/24

Right Out: 291.930+/-0.082 χ^2/NDF: 4236201.8/20

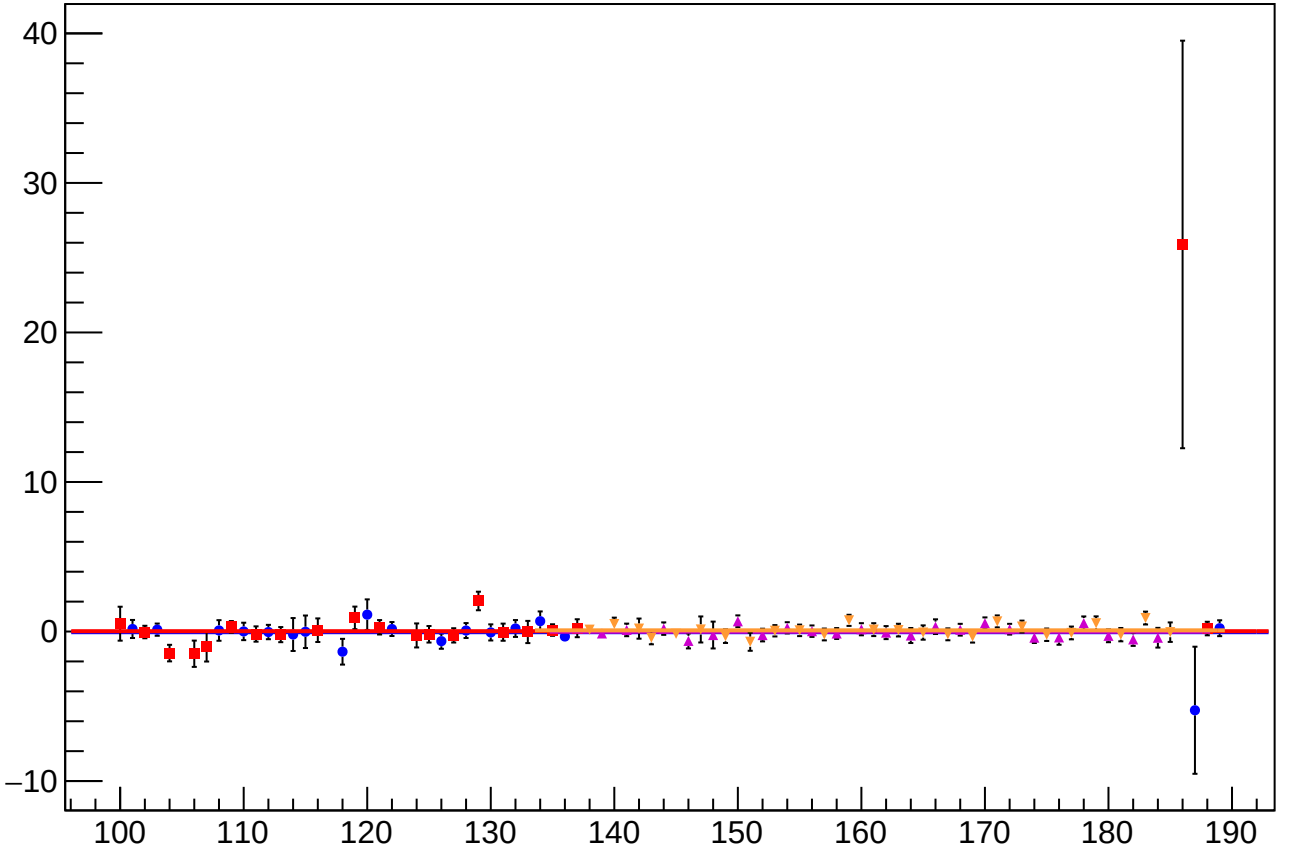
Left In: 220.802+/-0.037 χ^2/NDF:1471497.9/22

+ sign 232.755+/-0.034 χ^2/NDF: 5648186.6/42

All: 232.867+/-0.024 χ^2/NDF: 11973514.8/86

- sign 232.983+/-0.034 χ^2/NDF: 6325305.4/43

diff_targ_thetaY_mean vs Slug



Right In: -0.046+/-0.130 χ^2/NDF: 9.9/17

Left Out: 0.079+/-0.084 χ^2/NDF:19.0/24

Right Out: 0.023+/-0.124 χ^2/NDF: 28.9/20

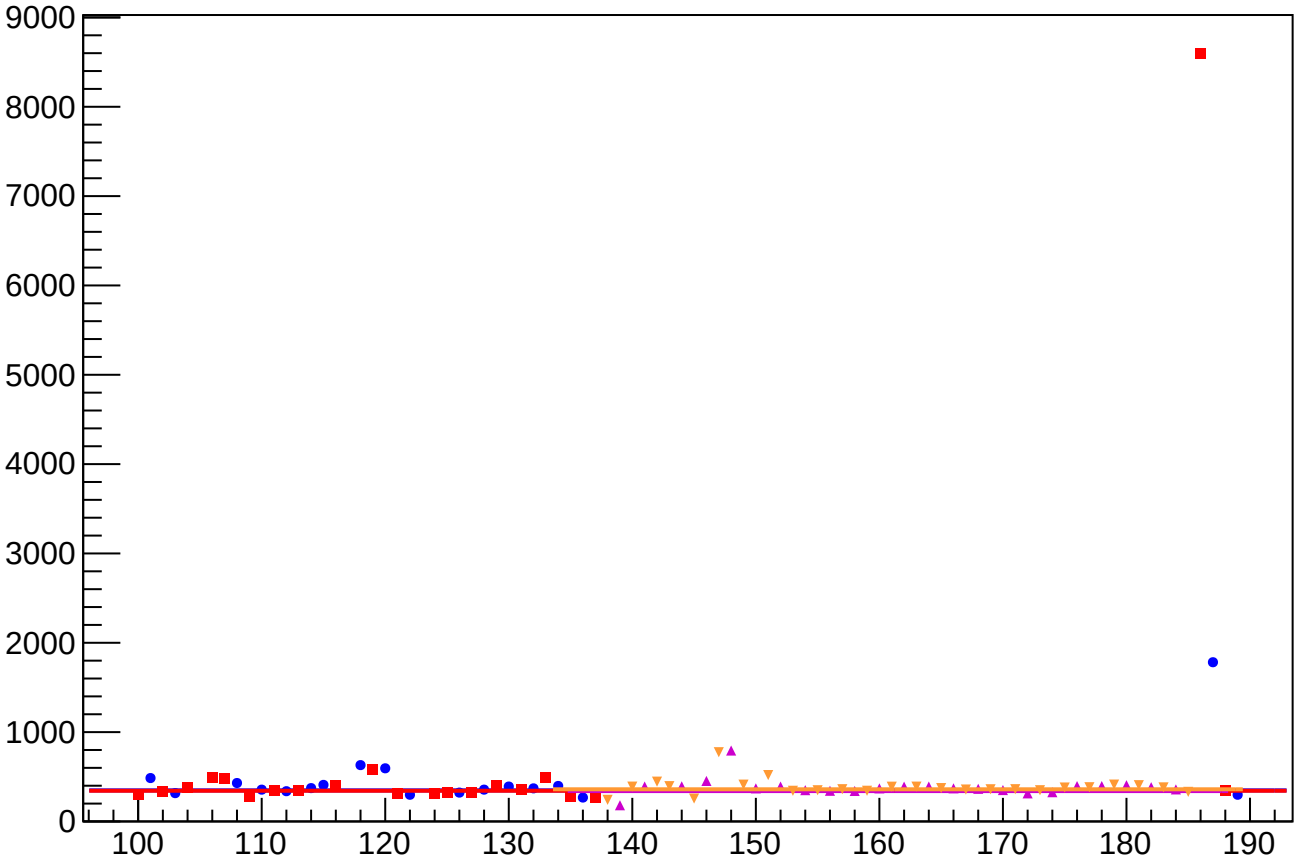
Left In: -0.009+/-0.083 χ^2/NDF:15.2/22

+ sign 0.042+/-0.071 χ^2/NDF: 29.5/42

All: 0.021+/-0.049 χ^2/NDF: 73.9/86

- sign 0.001+/-0.069 χ^2/NDF: 44.2/43

diff_targ_thetaY_rms vs Slug



Right In: 347.871+/-0.092 χ^2/NDF: 944525.1/17

Left Out: 360.021+/-0.060 χ^2/NDF:1339748.9/24

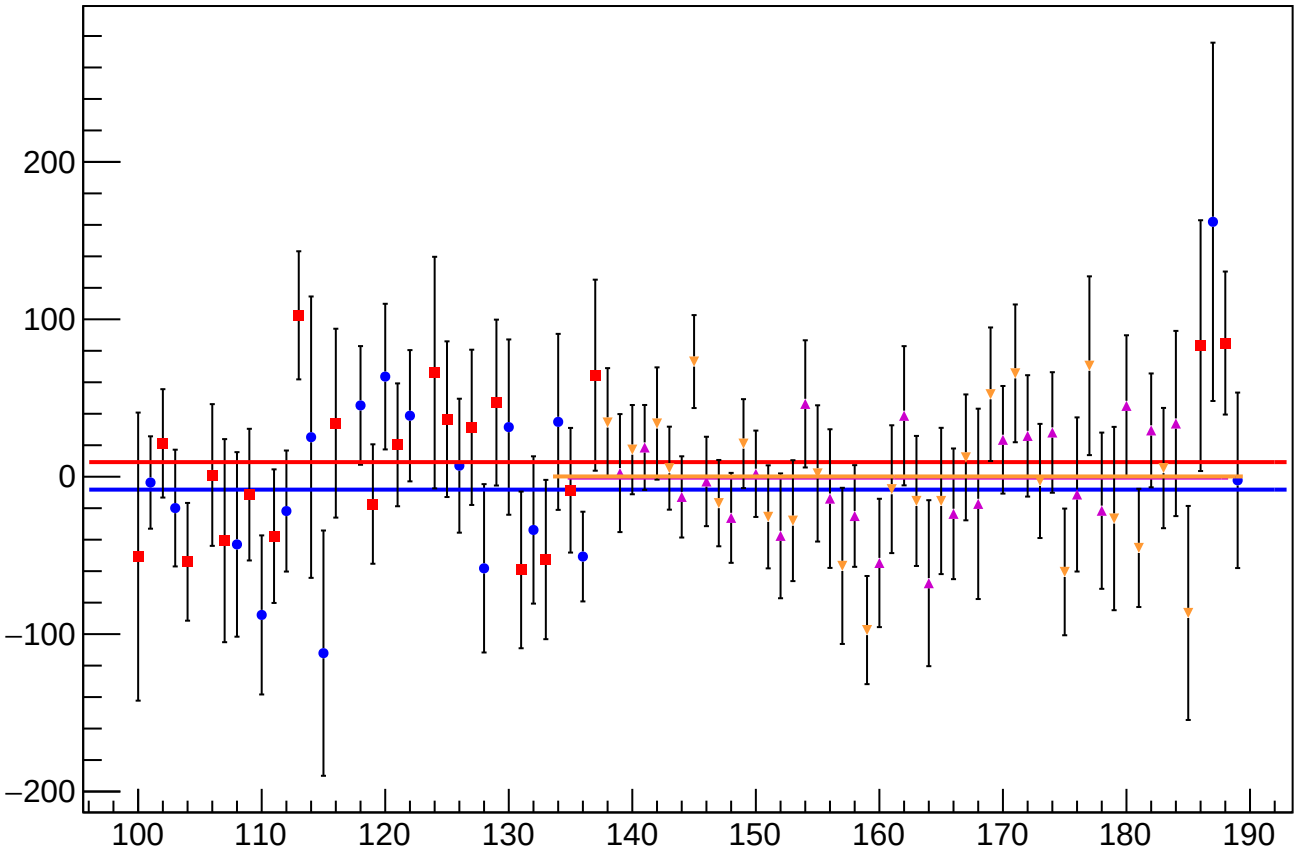
Right Out: 343.686+/-0.088 χ^2/NDF: 1309455.5/20

Left In: 340.020+/-0.059 χ^2/NDF:2225094.5/22

+ sign 356.412+/-0.050 χ^2/NDF: 2296613.3/42

All: 348.583+/-0.035 χ^2/NDF: 5880200.4/86

- sign 341.151+/-0.049 χ^2/NDF: 3535758.8/43



Right In: -8.203+/-10.591 χ^2/NDF: 17.6/17

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

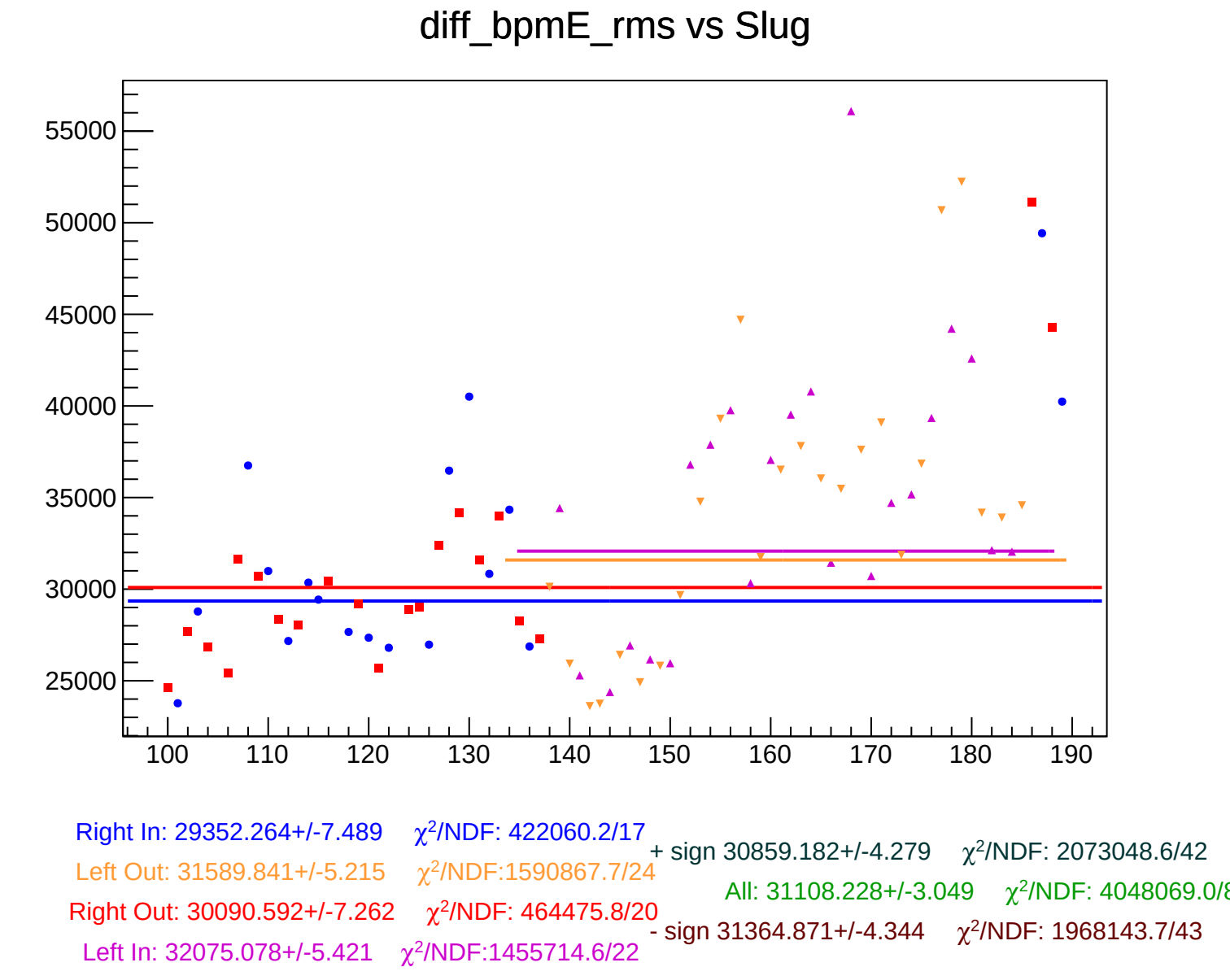
Right Out: 9.279+/-10.270 χ^2/NDF: 21.2/20

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

+ sign -2.566+/-6.052 χ^2/NDF: 49.1/42

All: 0.148+/-4.312 χ^2/NDF: 84.1/86

- sign 2.944+/-6.144 χ^2/NDF: 34.6/43


diff_bpmE_rms vs Slug
55000
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40000
35000
30000
25000
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110
120
130
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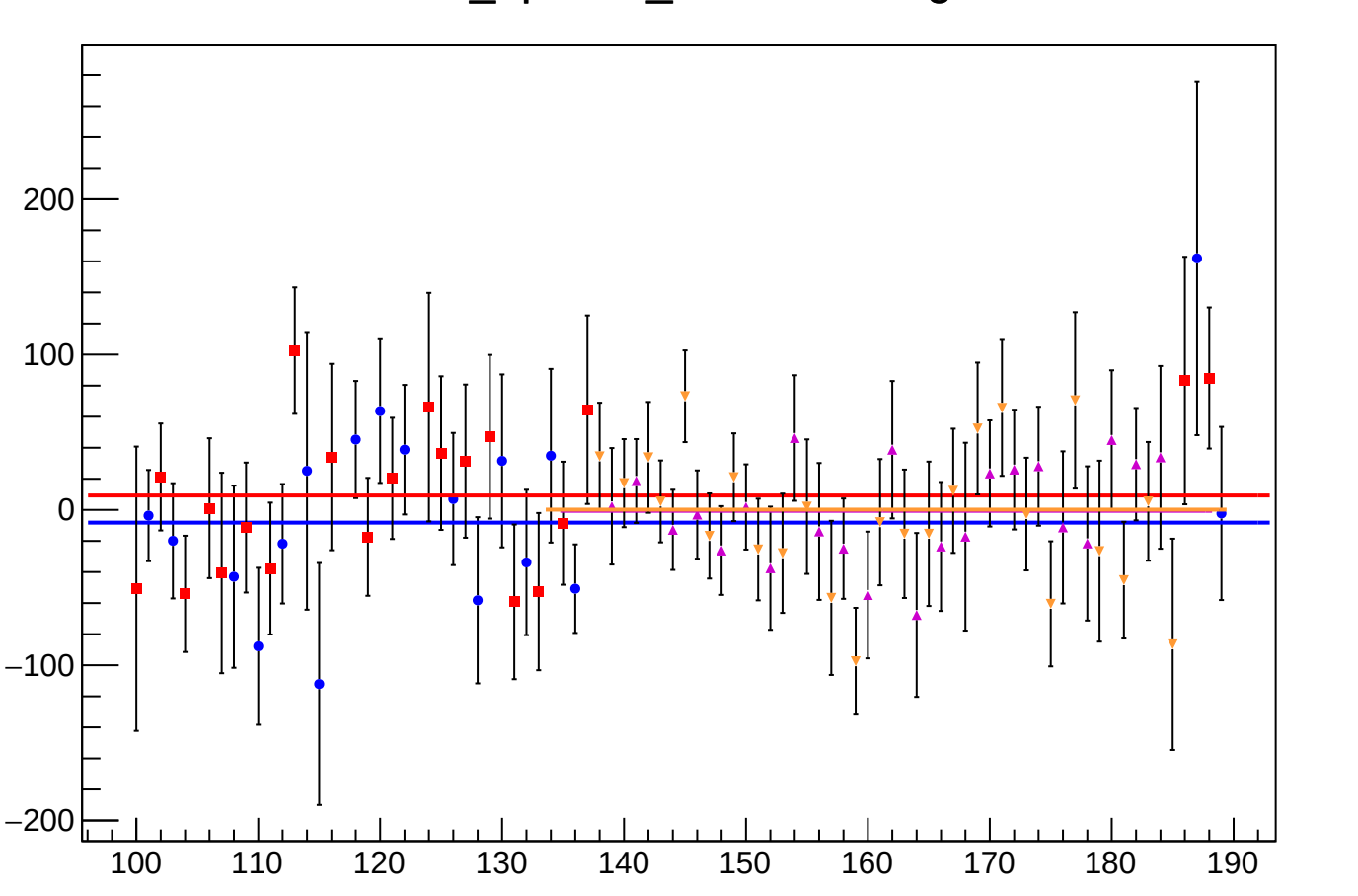
150
160
170
180
190
Right In: 29352.264+/-7.489 χ²/NDF: 422060.2/17
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 30090.592+/-7.262 χ²/NDF: 464475.8/20
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
+ sign 30859.182+/-4.279 χ²/NDF: 2073048.6/42
All: 31108.228+/-3.049 χ²/NDF: 4048069.0/8
- sign 31364.871+/-4.344 χ²/NDF: 1968143.7/43



Right In: -8.203+/-10.591 χ^2/NDF: 17.6/17

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

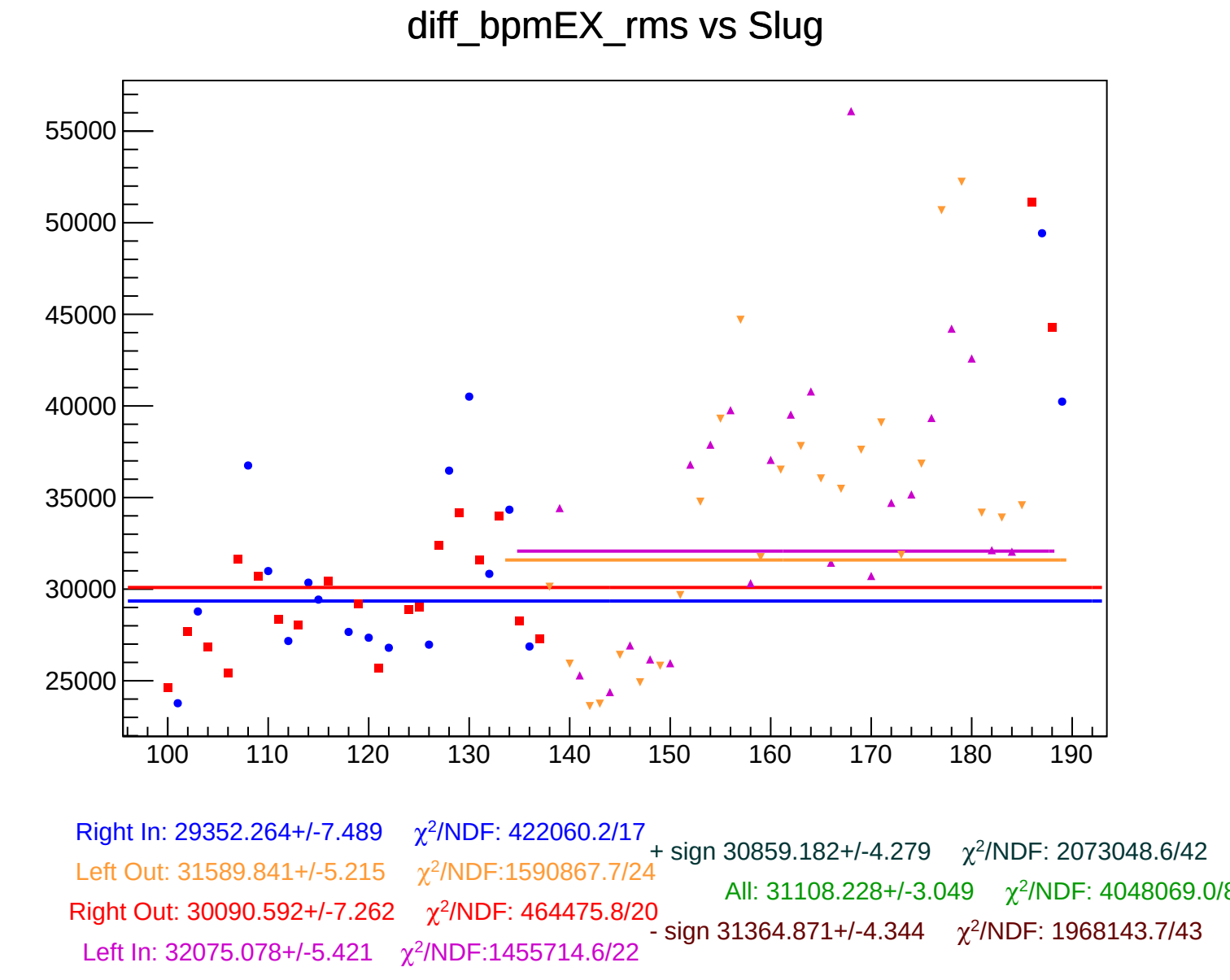
Right Out: 9.279+/-10.270 χ^2/NDF: 21.2/20

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

+ sign -2.566+/-6.052 χ^2/NDF: 49.1/42

All: 0.148+/-4.312 χ^2/NDF: 84.1/86

- sign 2.944+/-6.144 χ^2/NDF: 34.6/43


diff_bpmEX_rms vs Slug
55000
50000
45000
40000
35000
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25000
100
110
120
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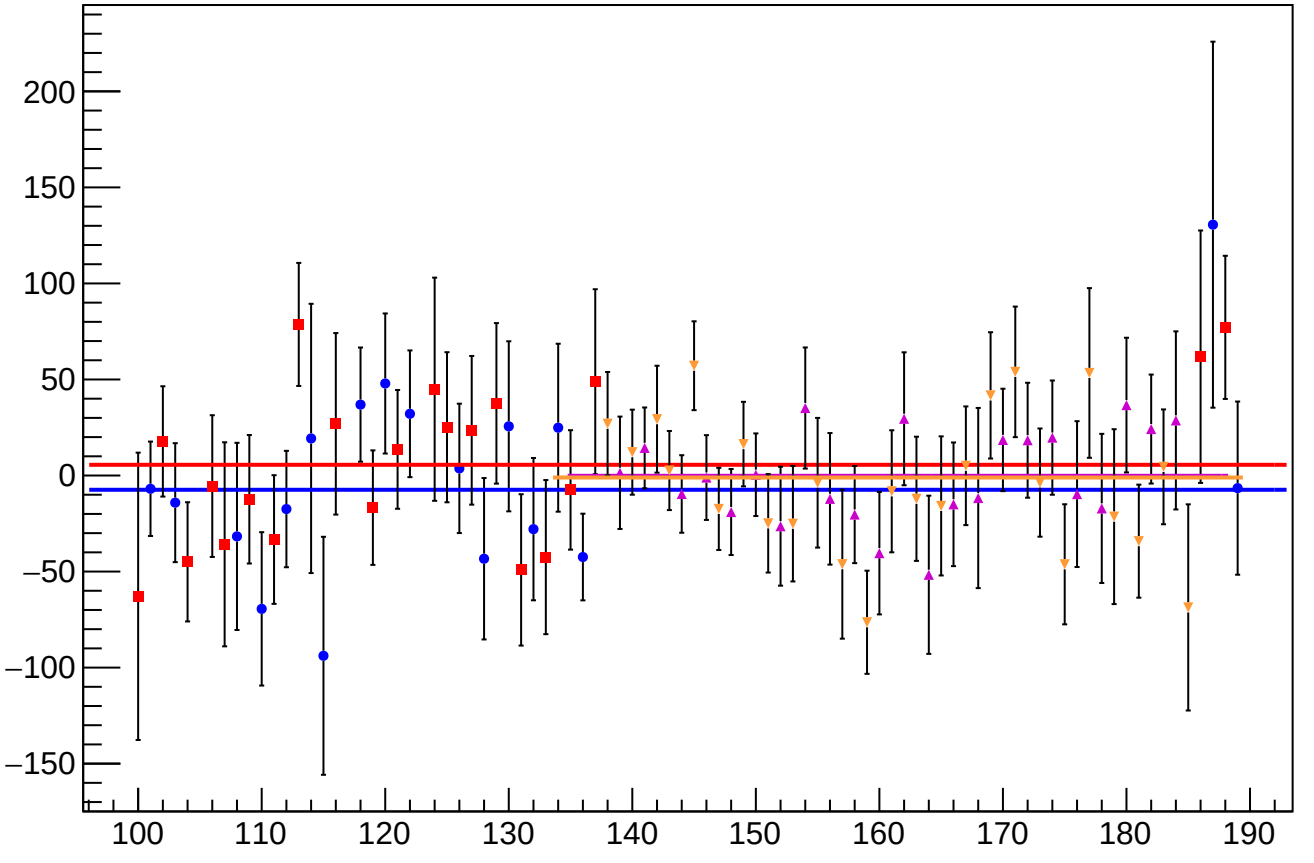
170
180
190
Right In: 29352.264+/-7.489 χ²/NDF: 422060.2/17
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 30090.592+/-7.262 χ²/NDF: 464475.8/20
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
+ sign 30859.182+/-4.279 χ²/NDF: 2073048.6/42
All: 31108.228+/-3.049 χ²/NDF: 4048069.0/8
- sign 31364.871+/-4.344 χ²/NDF: 1968143.7/43

diff_bpmE_11X12X_mean vs Slug



Right In: -7.422+/-8.488 χ^2/NDF: 17.6/17

Left Out: -1.042+/-5.755 χ^2/NDF:32.3/24

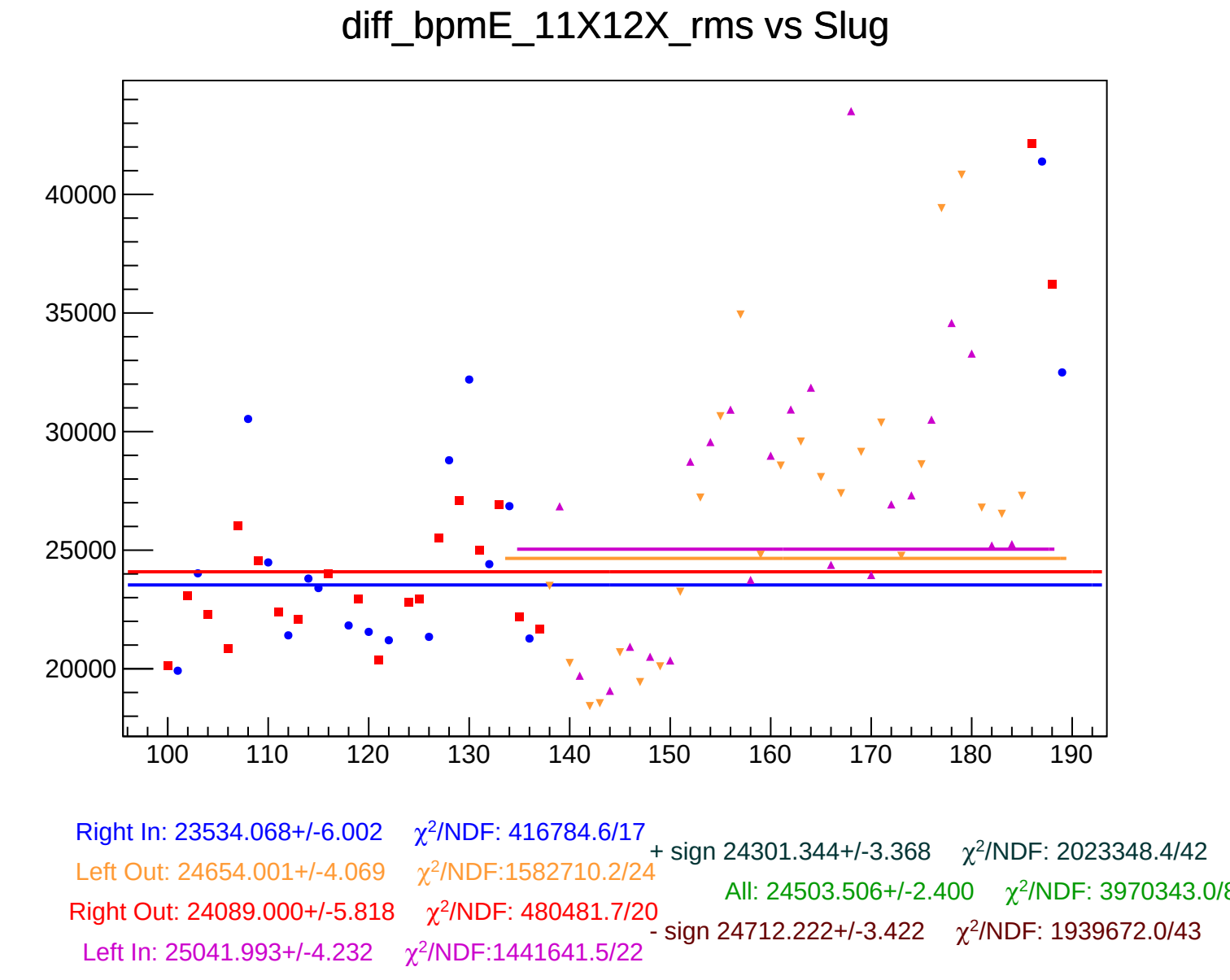
Right Out: 5.575+/-8.227 χ^2/NDF: 22.3/20

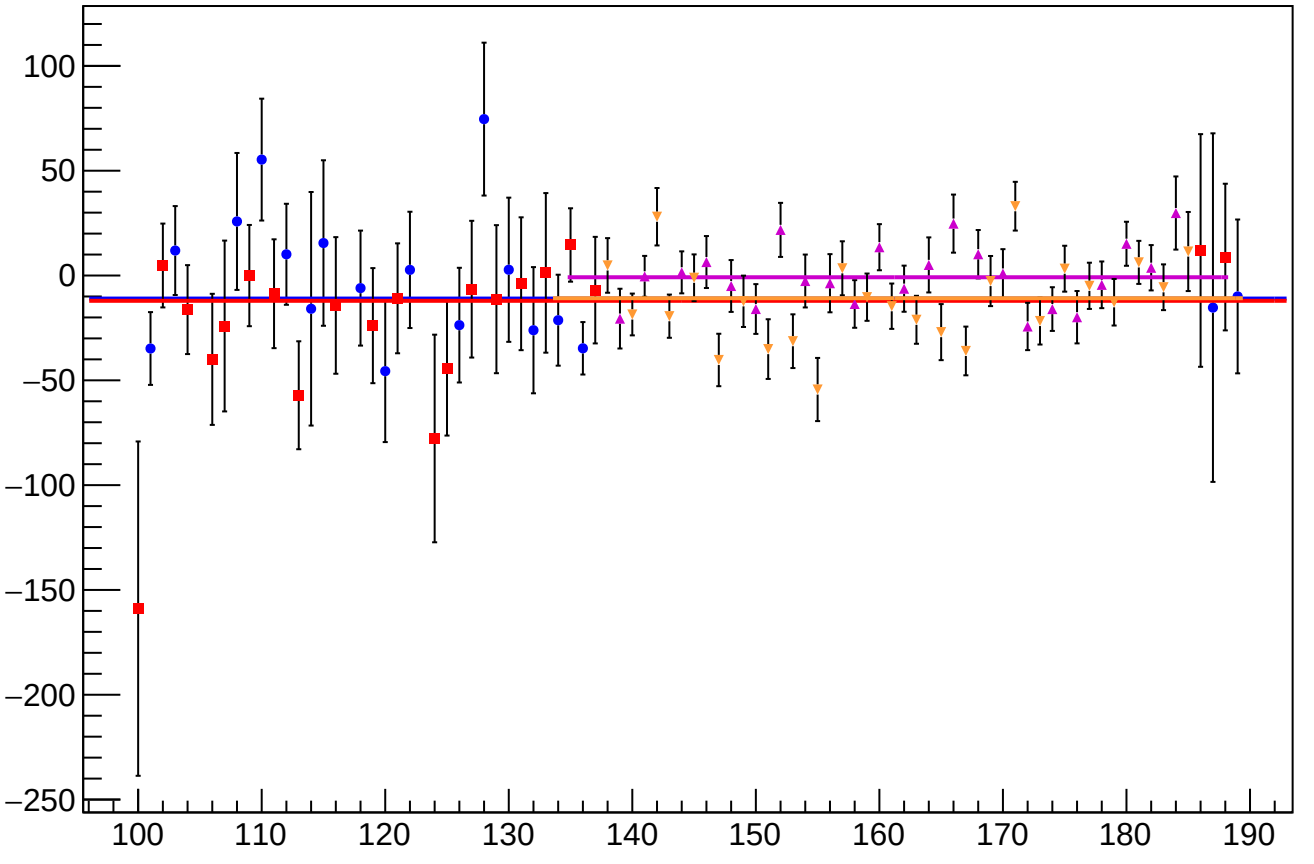
Left In: -0.147+/-5.985 χ^2/NDF:12.1/22

+ sign -3.051+/-4.763 χ^2/NDF: 50.4/42

All: -0.648+/-3.395 χ^2/NDF: 85.6/86

- sign 1.833+/-4.840 χ^2/NDF: 34.7/43


diff_bpmE_11X12X_rms vs Slug
40000
35000
30000
25000
20000
100
110
120
130
140
150
160
170
180
190
Right In: 23534.068+/-6.002 χ²/NDF: 416784.6/17
Left Out: 24654.001+/-4.069 χ²/NDF:1582710.2/24
Right Out: 24089.000+/-5.818 χ²/NDF: 480481.7/20
Left In: 25041.993+/-4.232 χ²/NDF:1441641.5/22
+ sign 24301.344+/-3.368 χ²/NDF: 2023348.4/42
All: 24503.506+/-2.400 χ²/NDF: 3970343.0/8
- sign 24712.222+/-3.422 χ²/NDF: 1939672.0/43



Right In: -10.997+/-6.054 χ^2/NDF: 22.0/17

Left Out: -10.822+/-2.370 χ^2/NDF:61.3/24

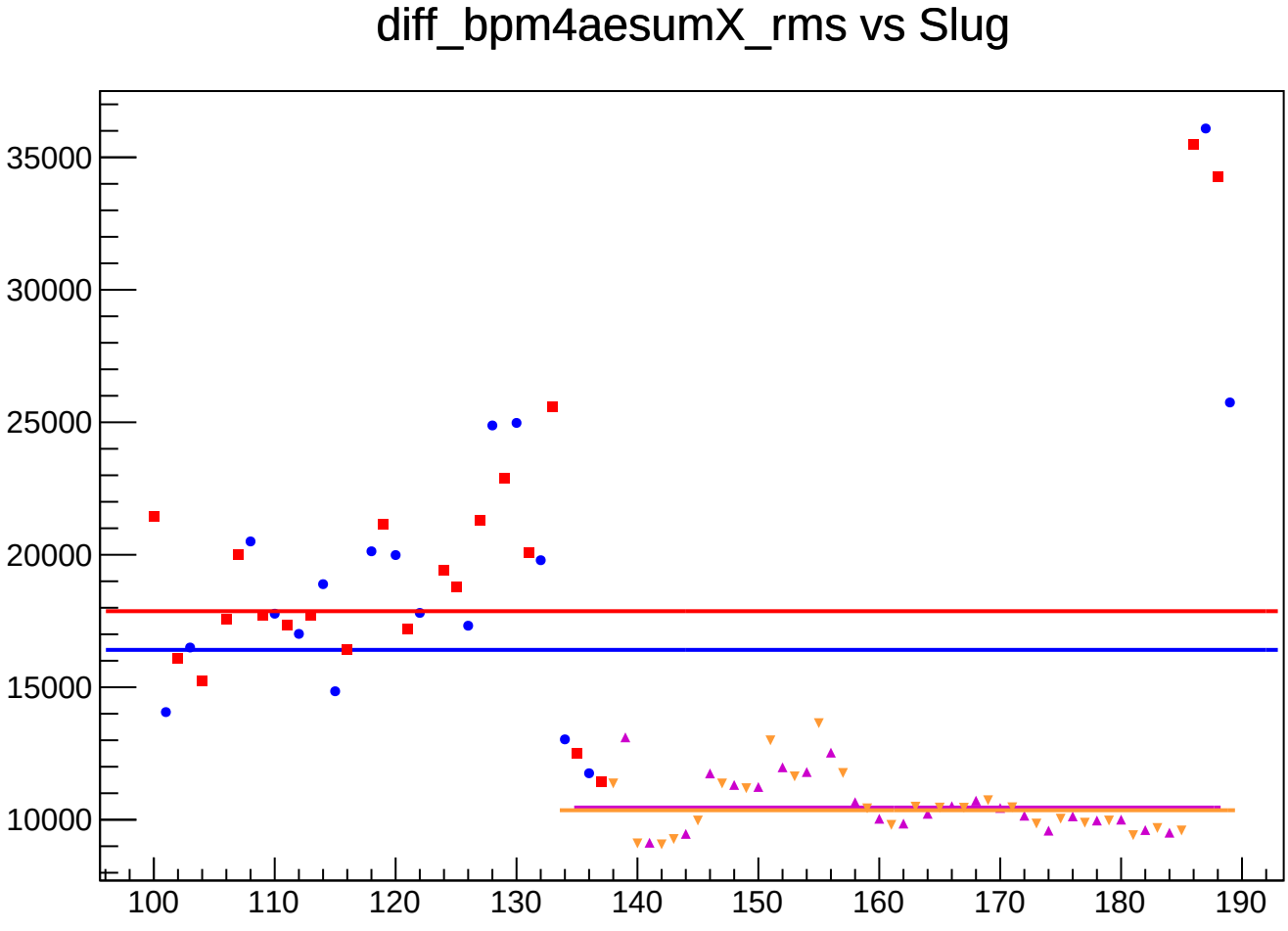
Right Out: -12.059+/-6.238 χ^2/NDF: 14.4/20

Left In: -0.826+/-2.457 χ^2/NDF:29.4/22

+ sign -10.845+/-2.207 χ^2/NDF: 83.3/42

All: -6.740+/-1.588 χ^2/NDF: 137.1/86

- sign -2.335+/-2.286 χ^2/NDF: 46.6/43



Right In: 16410.583+/-4.281 χ^2/NDF: 971455.9/17

Left Out: 10358.363+/-1.676 χ^2/NDF:363077.1/24

Right Out: 17870.853+/-4.411 χ^2/NDF: 1205320.7/20

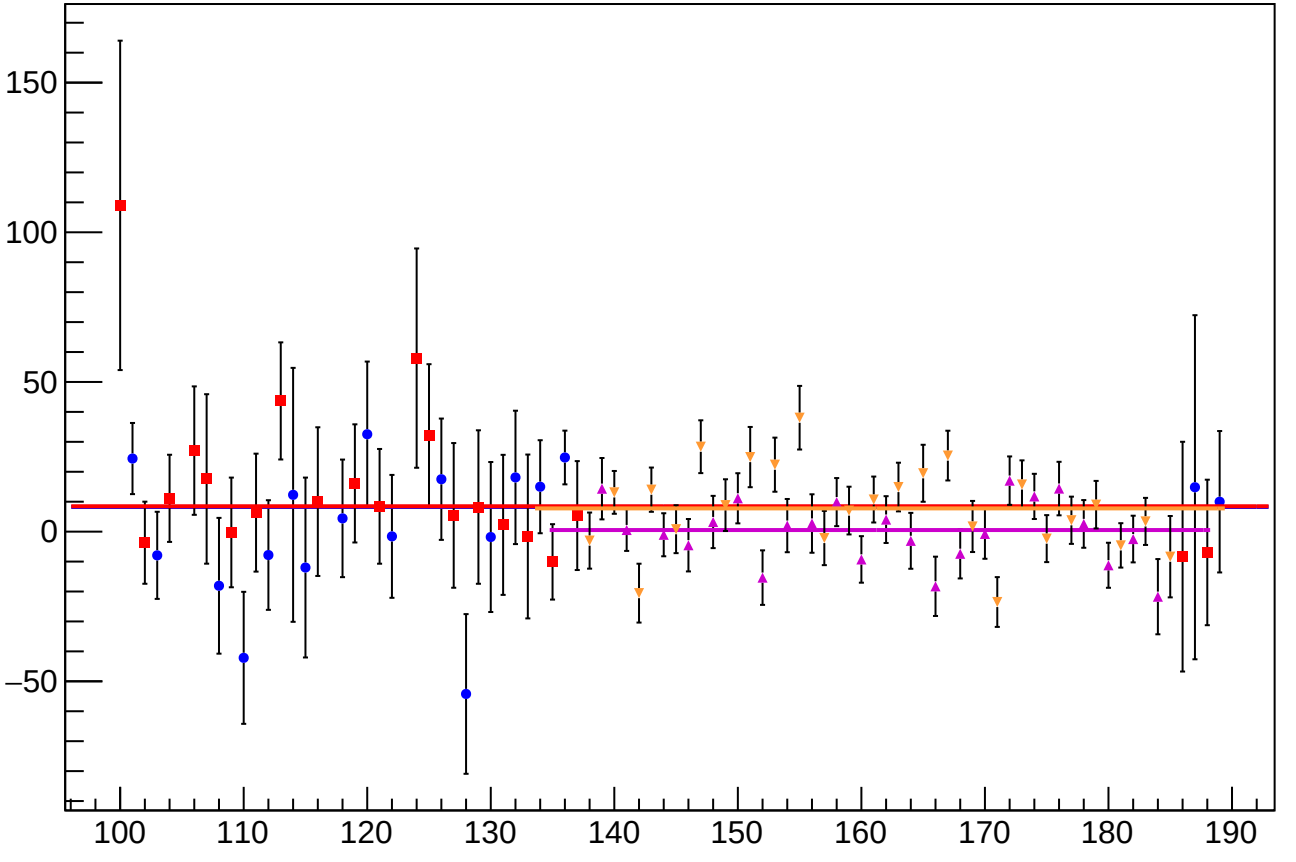
Left In: 10459.060+/-1.737 χ^2/NDF:314636.9/22

+ sign 11162.835+/-1.561 χ^2/NDF: 3067665.1/42

All: 11303.486+/-1.123 χ^2/NDF: 7048405.3/8

- sign 11454.374+/-1.617 χ^2/NDF: 3963906.3/43

diff_bpm4aediffX_mean vs Slug



Right In: 8.250+/-4.335 χ^2/NDF: 21.8/17

Left Out: 7.763+/-1.691 χ^2/NDF:60.9/24

Right Out: 8.473+/-4.495 χ^2/NDF: 14.5/20

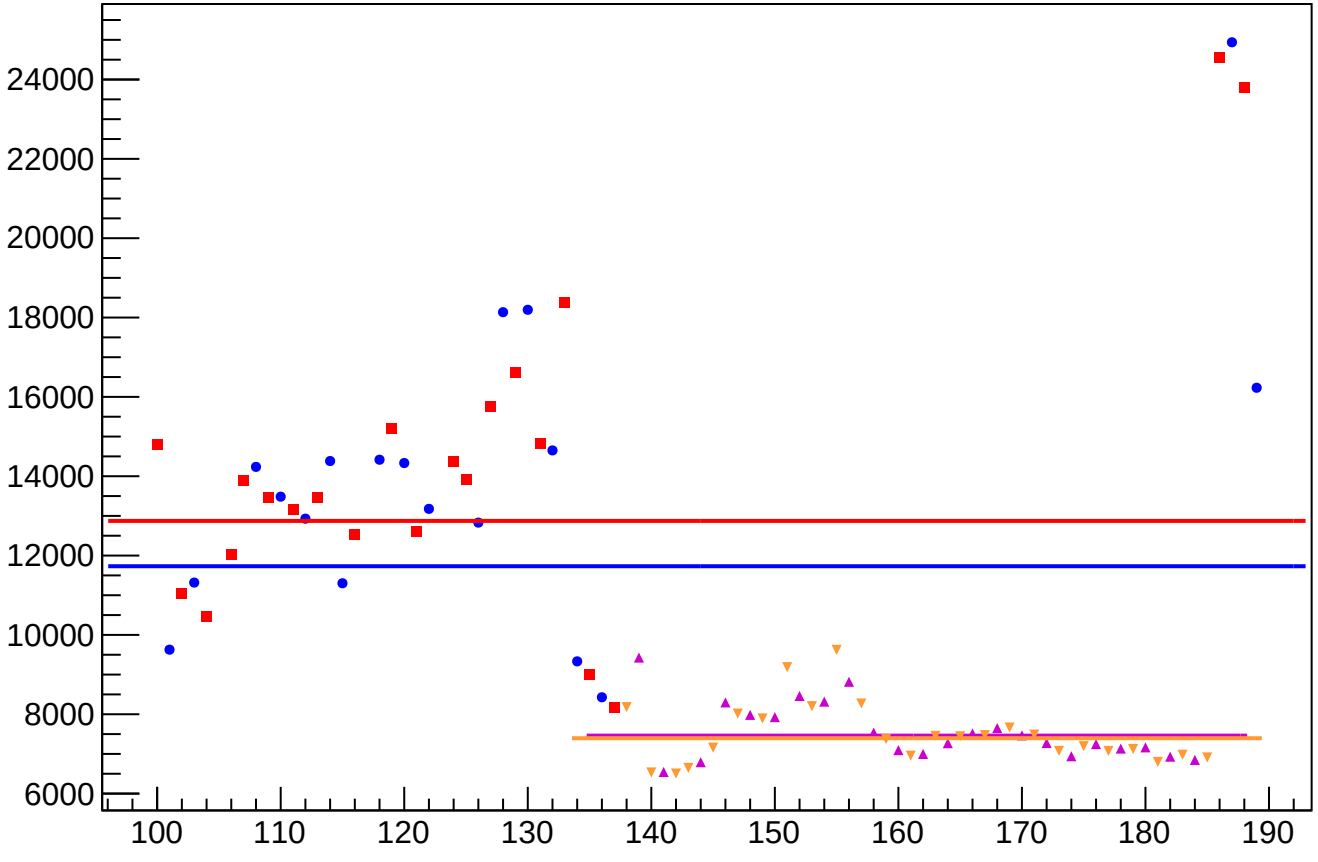
Left In: 0.532+/-1.752 χ^2/NDF:29.4/22

+ sign 7.828+/-1.576 χ^2/NDF: 82.8/42

All: 4.813+/-1.134 χ^2/NDF: 137.0/86

- sign 1.579+/-1.632 χ^2/NDF: 46.6/43

diff_bpm4aediffX_rms vs Slug



Right In: 11730.910+/-3.065 χ^2/NDF: 973853.2/17

Left Out: 7395.667+/-1.196 χ^2/NDF:324459.4/24

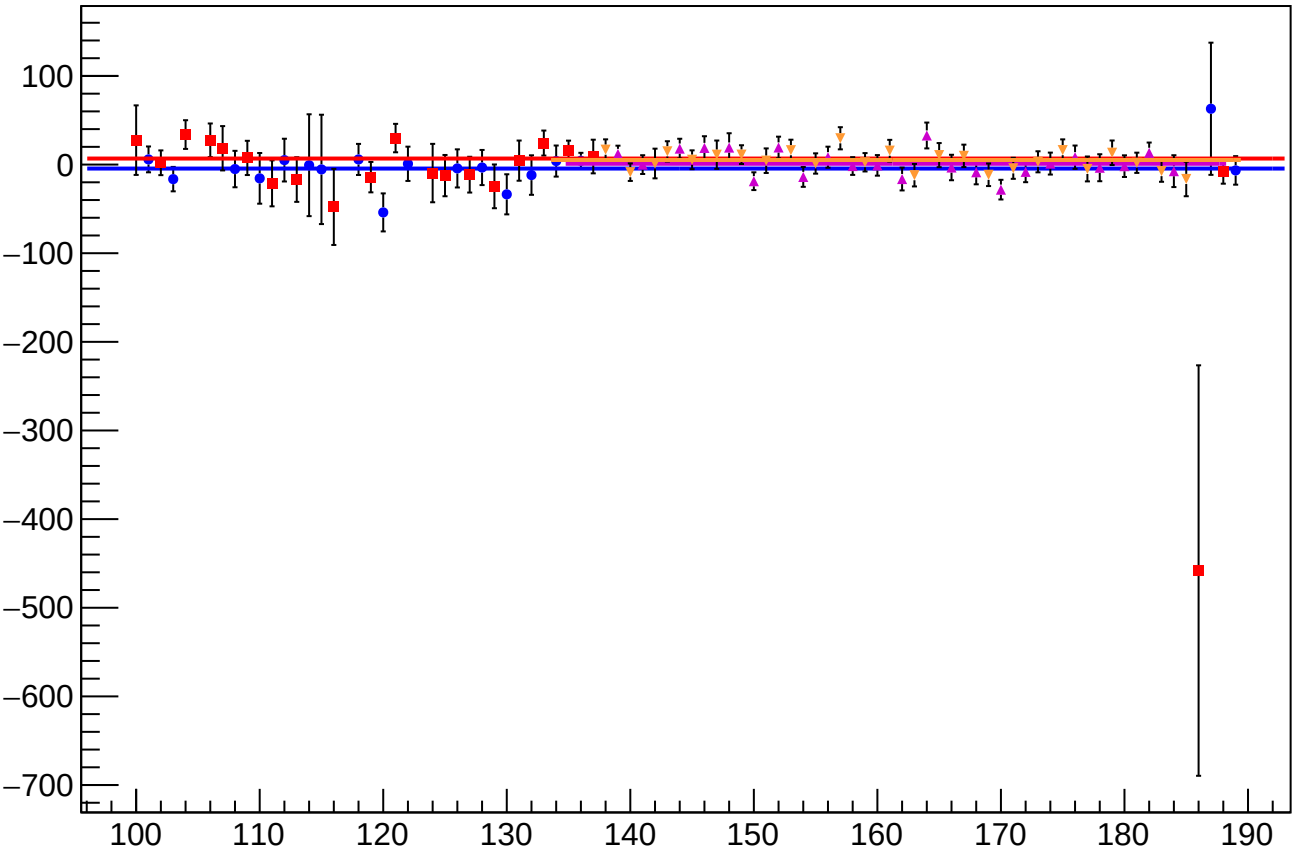
Right Out: 12873.807+/-3.179 χ^2/NDF: 1218510.6/20

Left In: 7460.824+/-1.239 χ^2/NDF:284034.9/22

+ sign 7968.508+/-1.114 χ^2/NDF: 3034317.2/42

All: 8067.899+/-0.802 χ^2/NDF: 7070782.2/86

- sign 8174.560+/-1.154 χ^2/NDF: 4019969.2/43



Right In: -4.494+/-4.374 χ^2/NDF: 11.1/17

Left Out: 5.178+/-2.459 χ^2/NDF:18.4/24

Right Out: 6.807+/-4.177 χ^2/NDF: 22.6/20

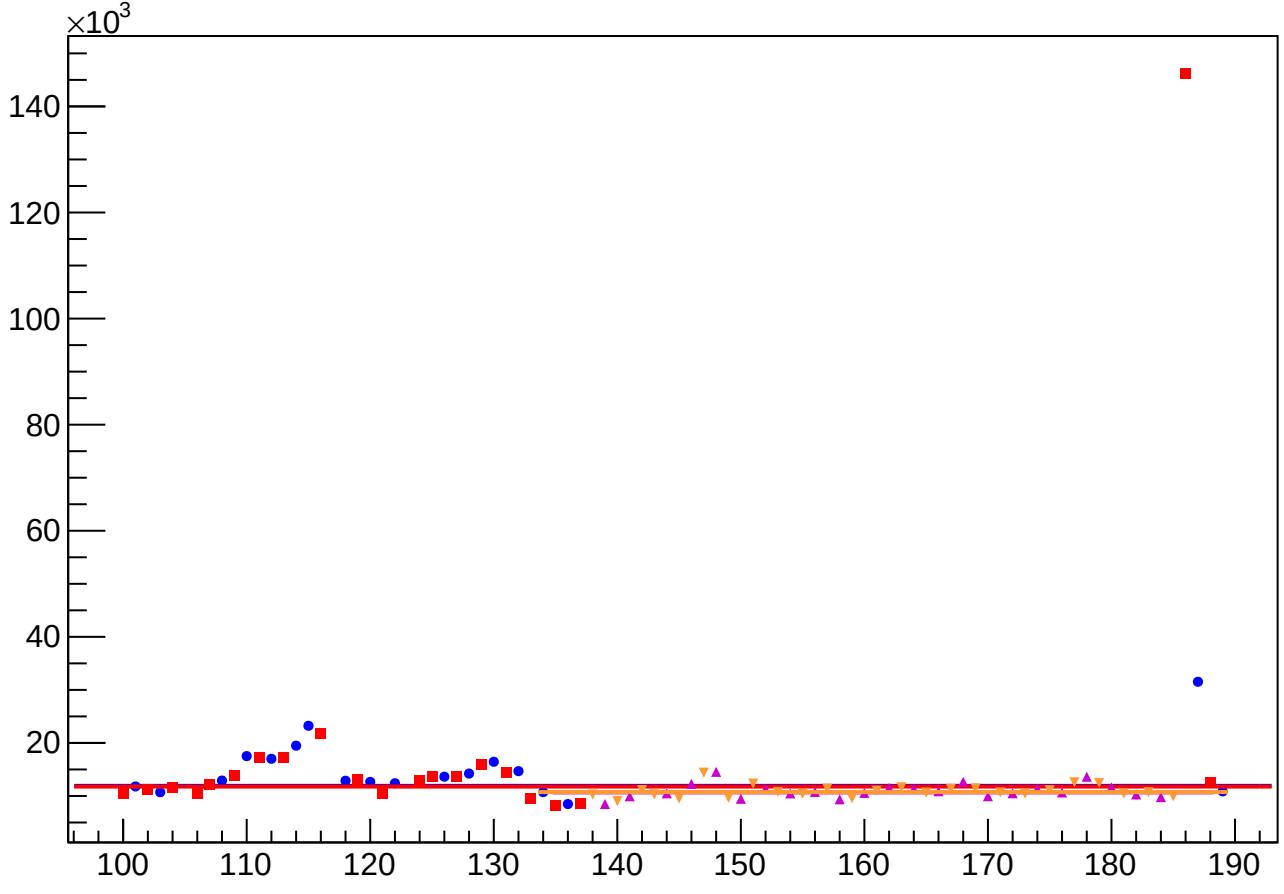
Left In: 0.891+/-2.519 χ^2/NDF:31.8/22

+ sign 2.855+/-2.143 χ^2/NDF: 33.2/42

All: 2.663+/-1.520 χ^2/NDF: 89.0/86

- sign 2.469+/-2.157 χ^2/NDF: 55.8/43

diff_bpm4aesumY_rms vs Slug



Right In: 11906.328+/-3.093 χ^2/NDF: 896625.4/17

Left Out: 10733.733+/-1.739 χ^2/NDF:368279.7/24

Right Out: 11770.188+/-2.954 χ^2/NDF: 1472095.9/20

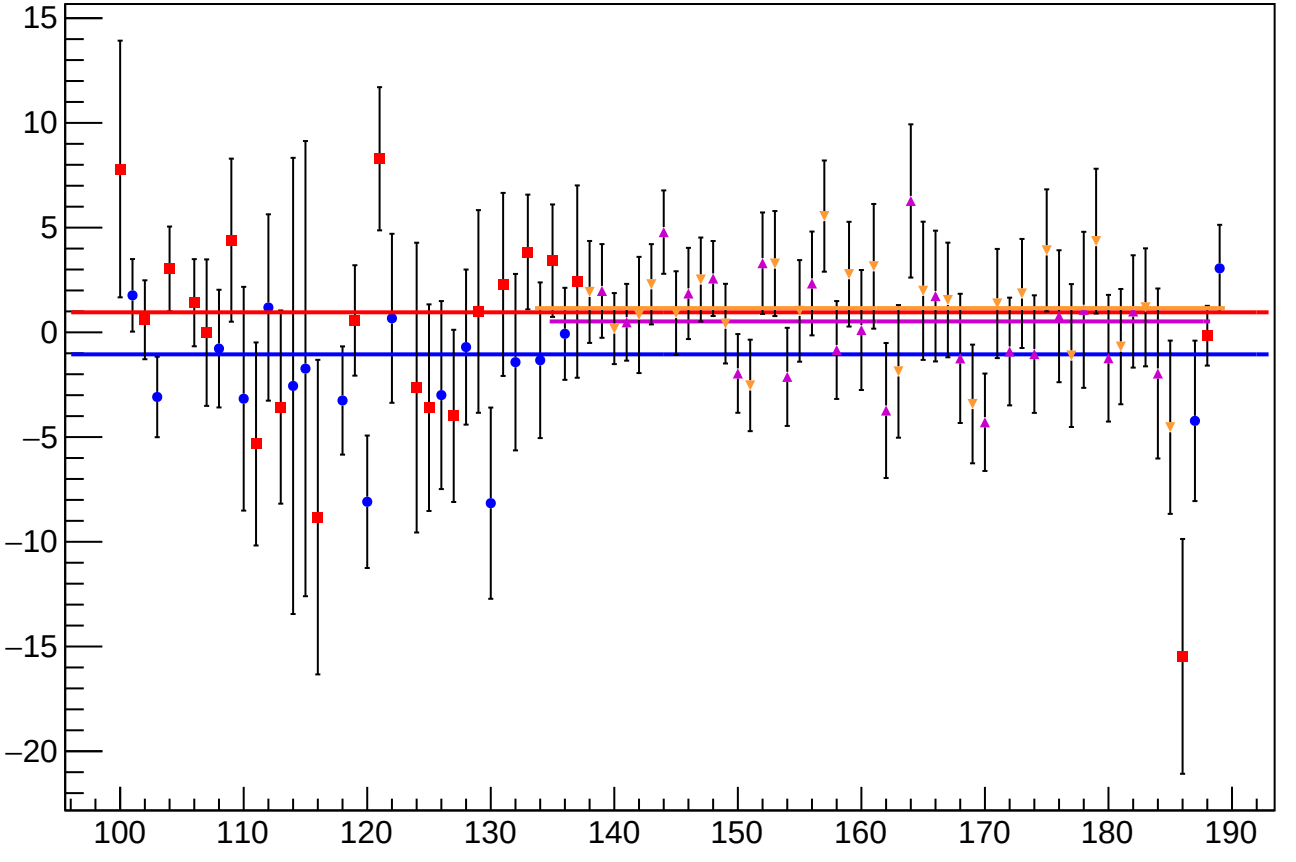
Left In: 10677.154+/-1.781 χ^2/NDF:500574.4/22

+ sign 11015.266+/-1.516 χ^2/NDF: 1374111.1/42

All: 10992.061+/-1.075 χ^2/NDF: 3447687.4/8

- sign 10968.565+/-1.525 χ^2/NDF: 2073104.6/43

diff_bpm4aediffY_mean vs Slug



Right In: -1.051+/-0.716 χ^2/NDF: 17.5/17

Left Out: 1.158+/-0.500 χ^2/NDF:16.8/24

Right Out: 0.956+/-0.656 χ^2/NDF: 26.1/20

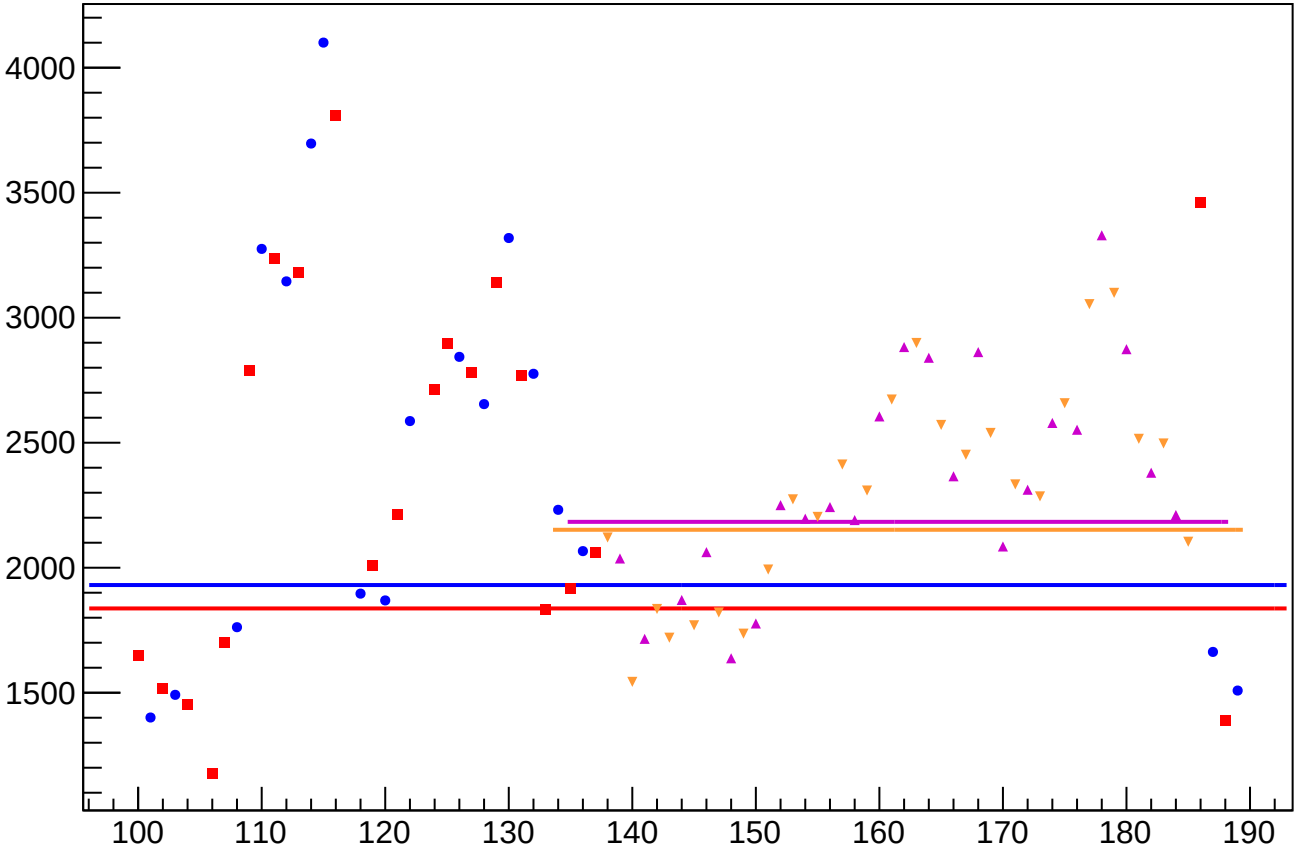
Left In: 0.522+/-0.520 χ^2/NDF:22.3/22

+ sign 0.433+/-0.410 χ^2/NDF: 40.7/42

All: 0.562+/-0.289 χ^2/NDF: 89.6/86

- sign 0.690+/-0.407 χ^2/NDF: 48.7/43

diff_bpm4aediffY_rms vs Slug



Right In: 1930.727+/-0.506 χ^2/NDF: 1298387.2/17

Left Out: 2151.757+/-0.354 χ^2/NDF:1349537.9/24

Right Out: 1837.128+/-0.464 χ^2/NDF: 1799591.6/20

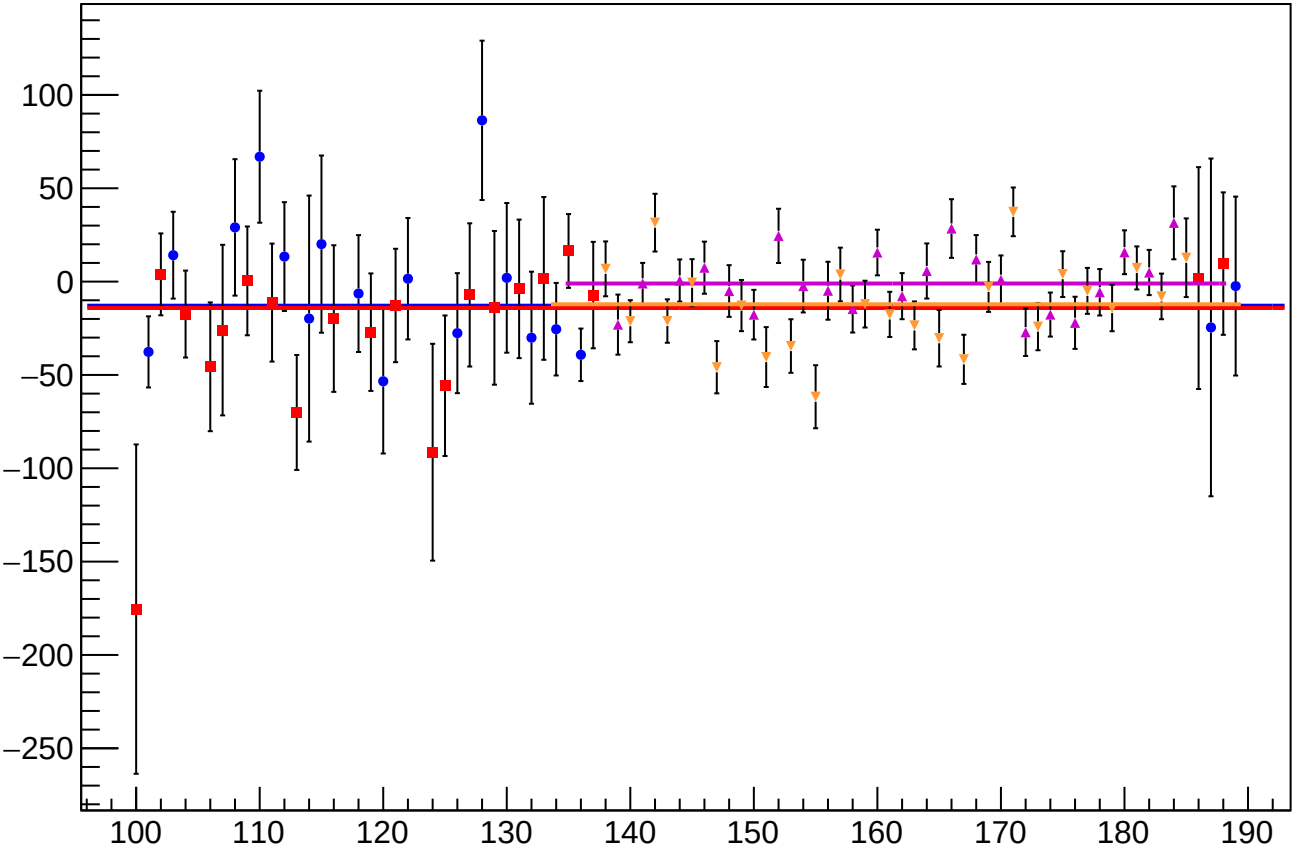
Left In: 2183.482+/-0.368 χ^2/NDF:1162266.2/22

+ sign 2079.268+/-0.290 χ^2/NDF: 2776034.4/42

All: 2064.413+/-0.204 χ^2/NDF: 6085877.4/86

- sign 2049.751+/-0.288 χ^2/NDF: 3304626.1/43

diff_bpmtargetsumX_mean vs Slug



Right In: -12.910+/-6.932 χ^2/NDF: 21.9/17

Left Out: -12.135+/-2.661 χ^2/NDF:62.6/24

Right Out: -14.134+/-7.138 χ^2/NDF: 14.8/20

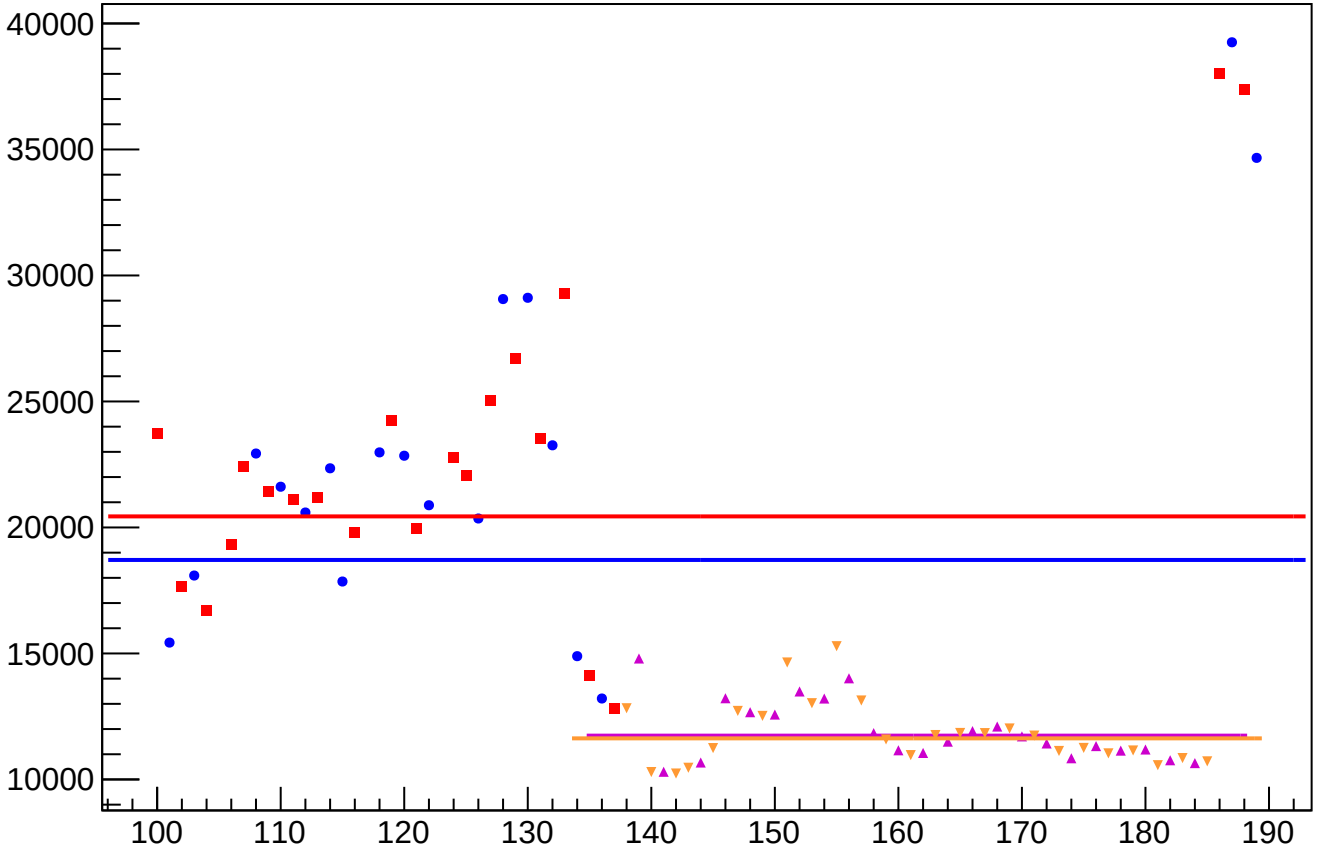
Left In: -1.024+/-2.758 χ^2/NDF:28.8/22

+ sign -12.234+/-2.484 χ^2/NDF: 84.6/42

All: -7.646+/-1.787 χ^2/NDF: 138.2/86

- sign -2.727+/-2.572 χ^2/NDF: 46.6/43

diff_bpmtargetsumX_rms vs Slug



Right In: 18710.342+/-4.901 χ^2/NDF: 1153561.2/17

Left Out: 11630.201+/-1.882 χ^2/NDF:356022.1/24

Right Out: 20438.905+/-5.047 χ^2/NDF: 1220811.0/20

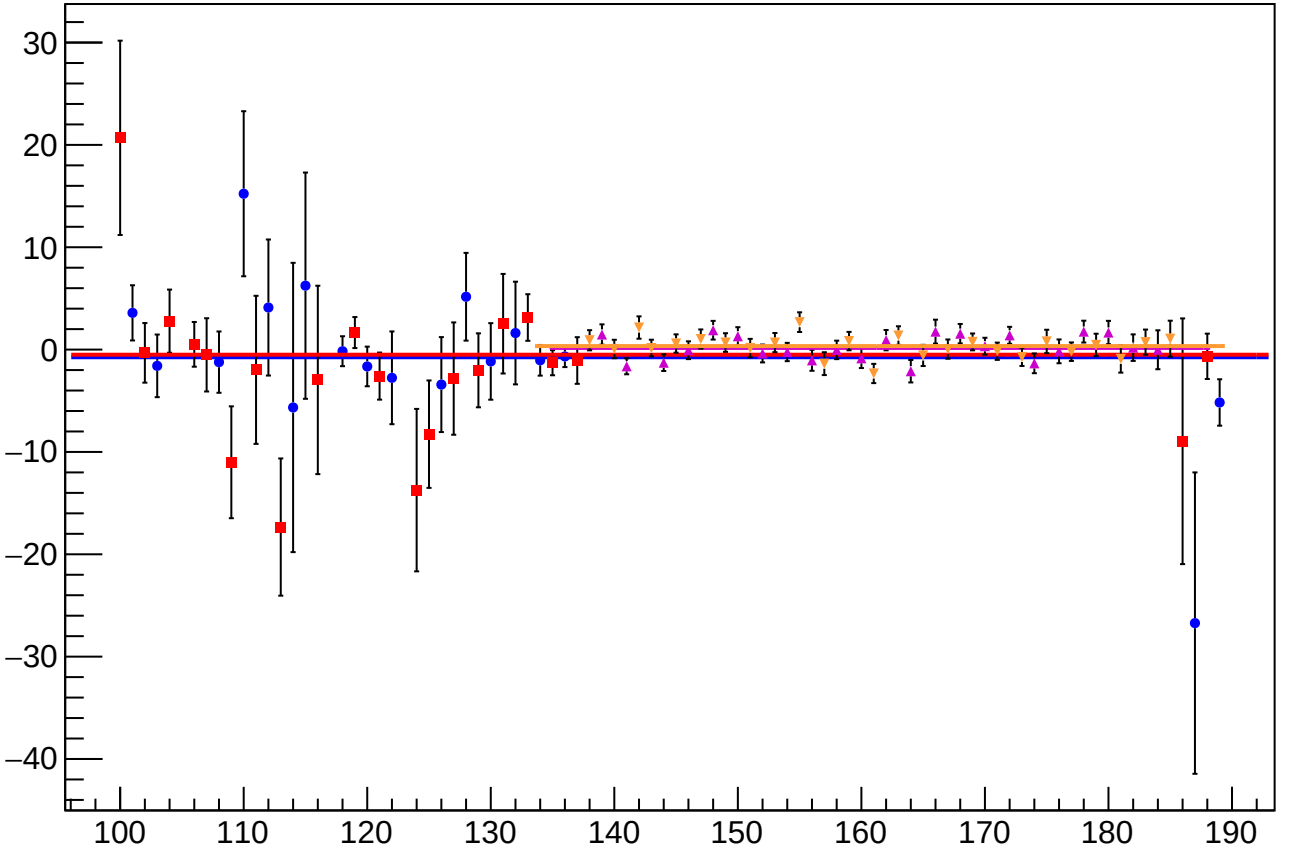
Left In: 11738.371+/-1.950 χ^2/NDF:313542.0/22

+ sign 12539.662+/-1.757 χ^2/NDF: 3328182.9/42

All: 12698.302+/-1.264 χ^2/NDF: 7465299.4/8

- sign 12868.374+/-1.819 χ^2/NDF: 4120217.9/43

diff_bpmtargetdiffX_mean vs Slug



Right In: -0.747+/-0.580 χ^2/NDF: 17.7/17

Left Out: 0.343+/-0.194 χ^2/NDF:26.8/24

Right Out: -0.501+/-0.609 χ^2/NDF: 28.6/20

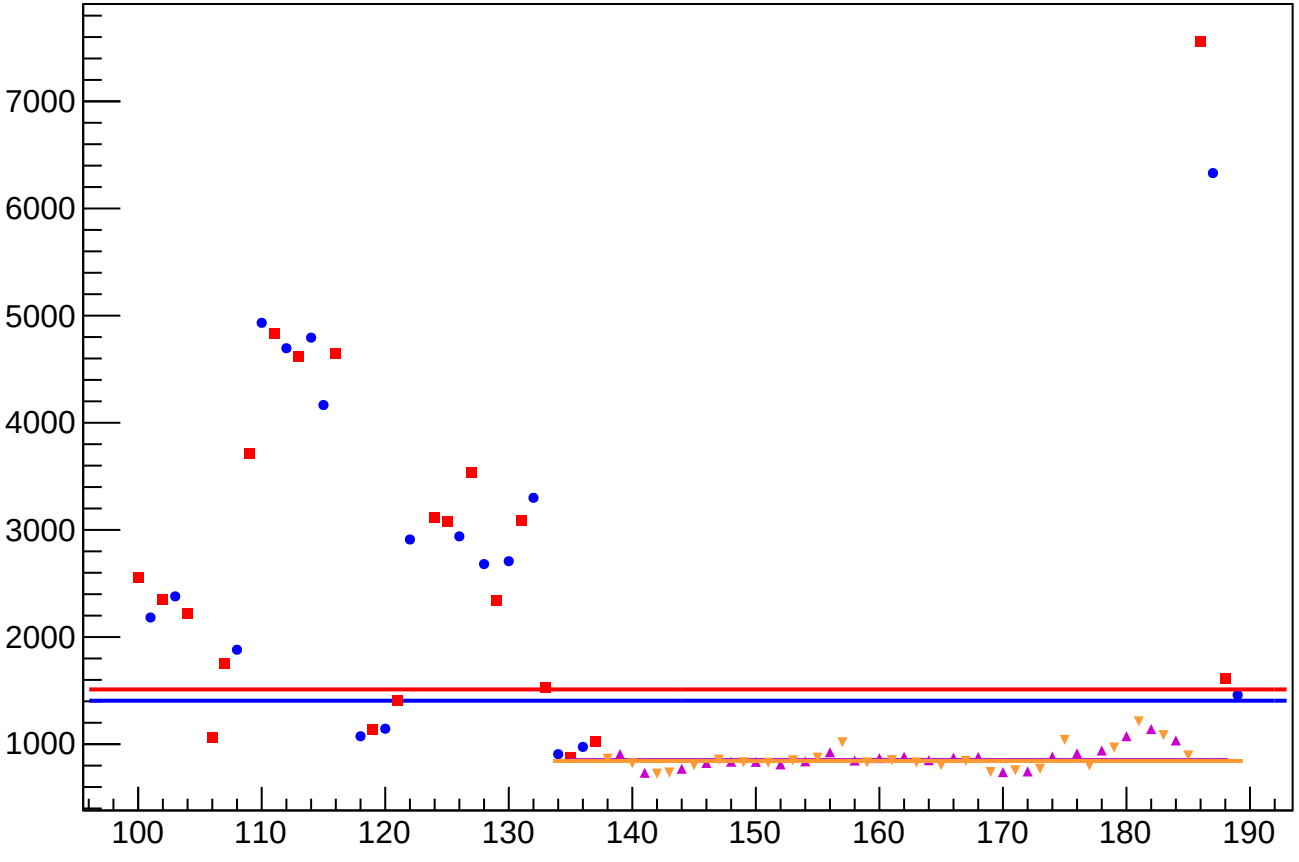
Left In: 0.165+/-0.201 χ^2/NDF:36.3/22

+ sign 0.233+/-0.184 χ^2/NDF: 47.6/42

All: 0.169+/-0.132 χ^2/NDF: 113.8/86

- sign 0.100+/-0.191 χ^2/NDF: 66.0/43

diff_bpmtargetdiffX_rms vs Slug



Right In: 1405.812+/-0.410 χ^2/NDF: 3606645.6/17

Left Out: 843.266+/-0.137 χ^2/NDF:505106.4/24

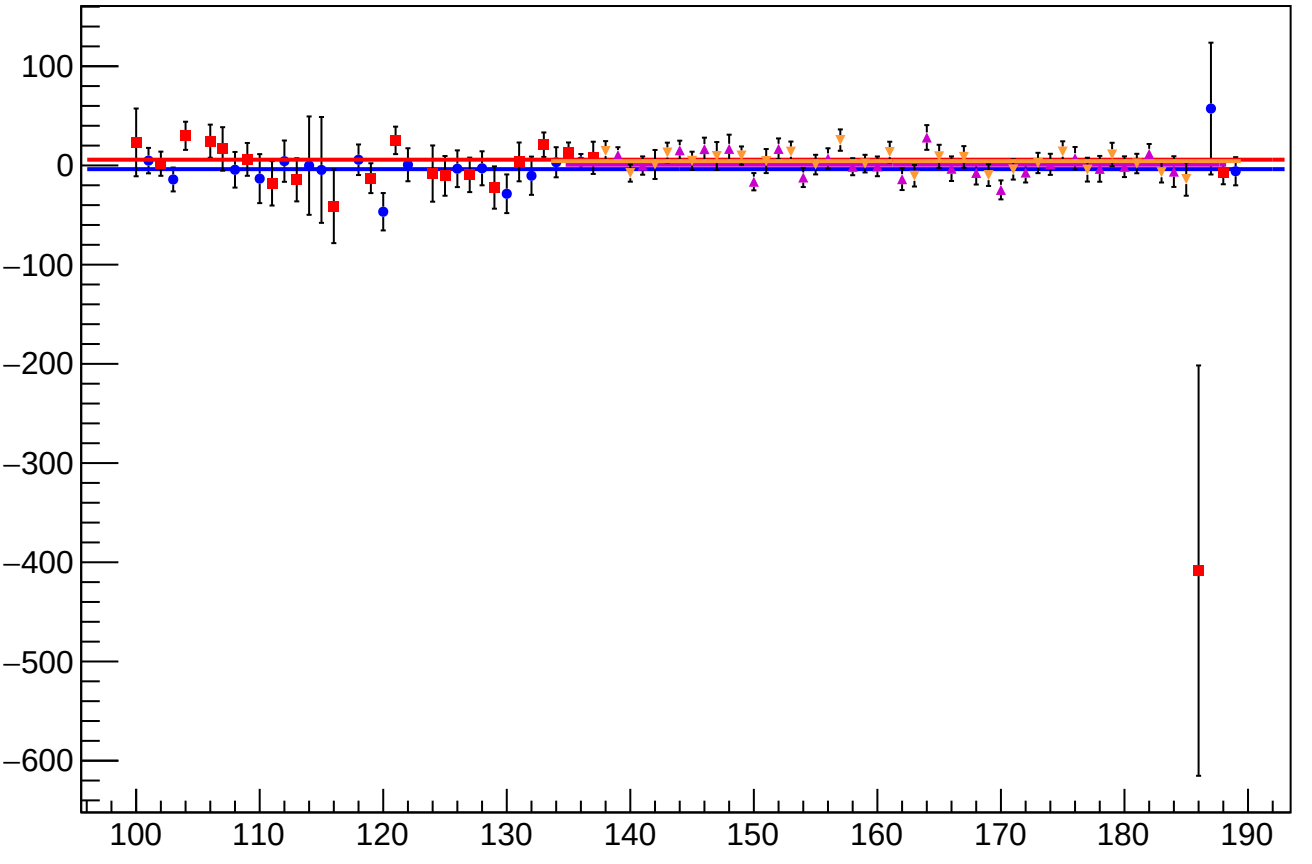
Right Out: 1511.191+/-0.430 χ^2/NDF: 3913723.3/20

Left In: 851.618+/-0.142 χ^2/NDF:382555.6/22

+ sign 899.797+/-0.130 χ^2/NDF: 5805914.6/42

All: 907.789+/-0.094 χ^2/NDF: 12228045.8/86

- sign 916.400+/-0.135 χ^2/NDF: 6414272.5/43



Right In: -3.742+/-3.793 χ^2/NDF: 10.9/17

Left Out: 4.383+/-2.122 χ^2/NDF:18.6/24

Right Out: 5.808+/-3.626 χ^2/NDF: 22.6/20

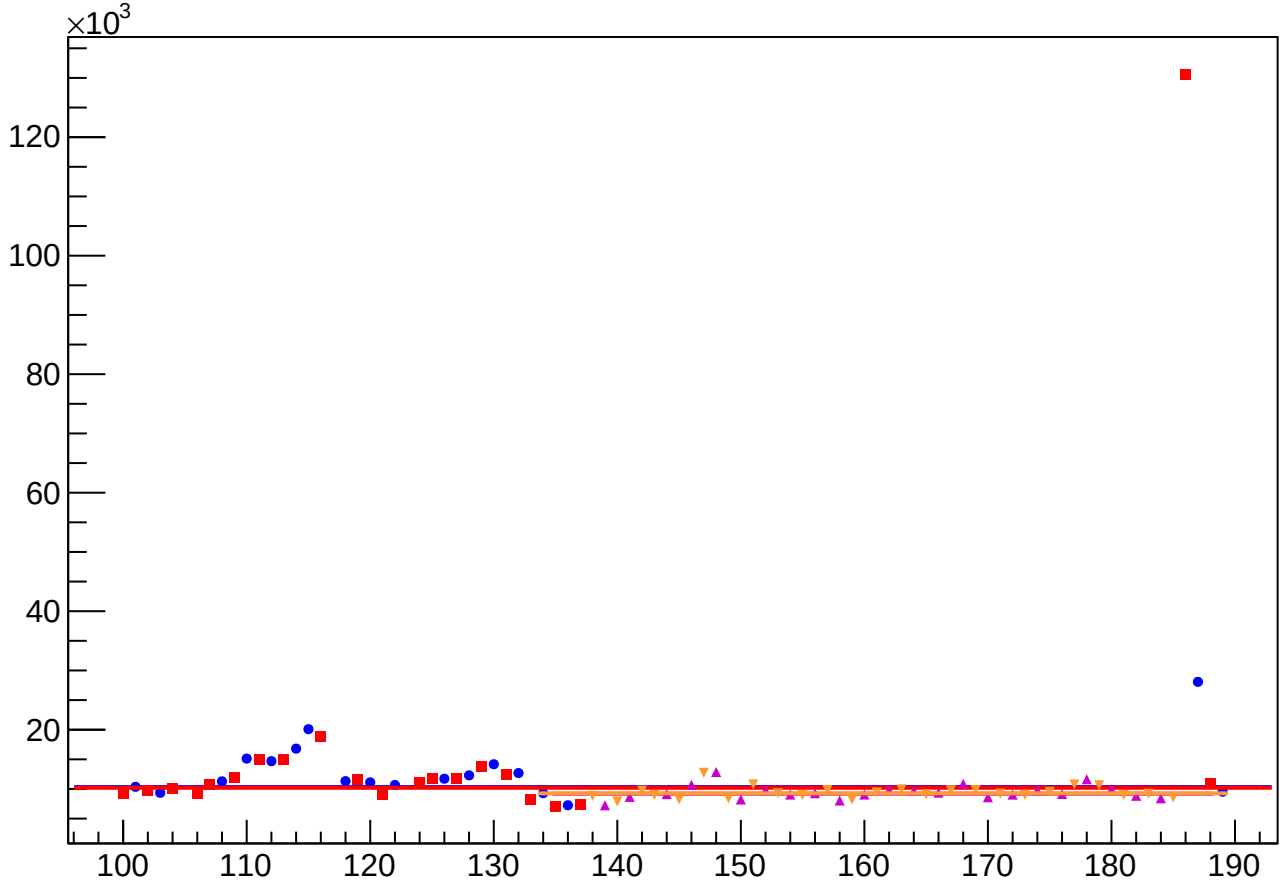
Left In: 0.734+/-2.171 χ^2/NDF:32.0/22

+ sign 2.447+/-1.852 χ^2/NDF: 33.0/42

All: 2.261+/-1.313 χ^2/NDF: 89.1/86

- sign 2.073+/-1.862 χ^2/NDF: 56.0/43

diff_bpmtargetsumY_rms vs Slug



Right In: 10312.701+/-2.682 χ^2/NDF: 919505.4/17

Left Out: 9261.542+/-1.500 χ^2/NDF:366072.4/24

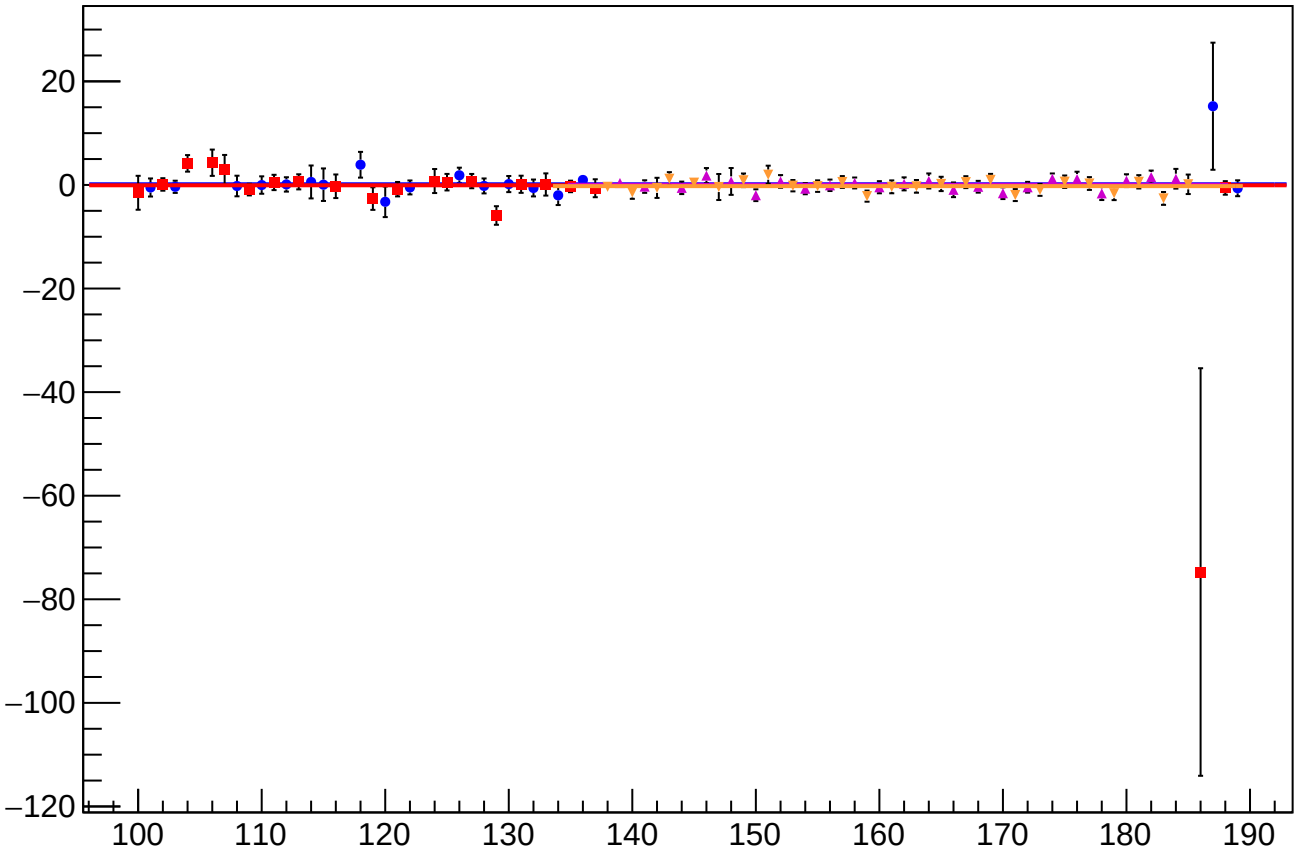
Right Out: 10207.226+/-2.564 χ^2/NDF: 1480123.9/20

Left In: 9199.542+/-1.535 χ^2/NDF:515496.8/22

+ sign 9512.049+/-1.309 χ^2/NDF: 1402575.0/42

All: 9488.875+/-0.928 χ^2/NDF: 3512562.0/86

- sign 9465.434+/-1.317 χ^2/NDF: 2109356.9/43



Right In: 0.132+/-0.374 χ^2/NDF: 9.9/17

Left Out: -0.229+/-0.243 χ^2/NDF:19.0/24

Right Out: -0.065+/-0.358 χ^2/NDF: 28.9/20

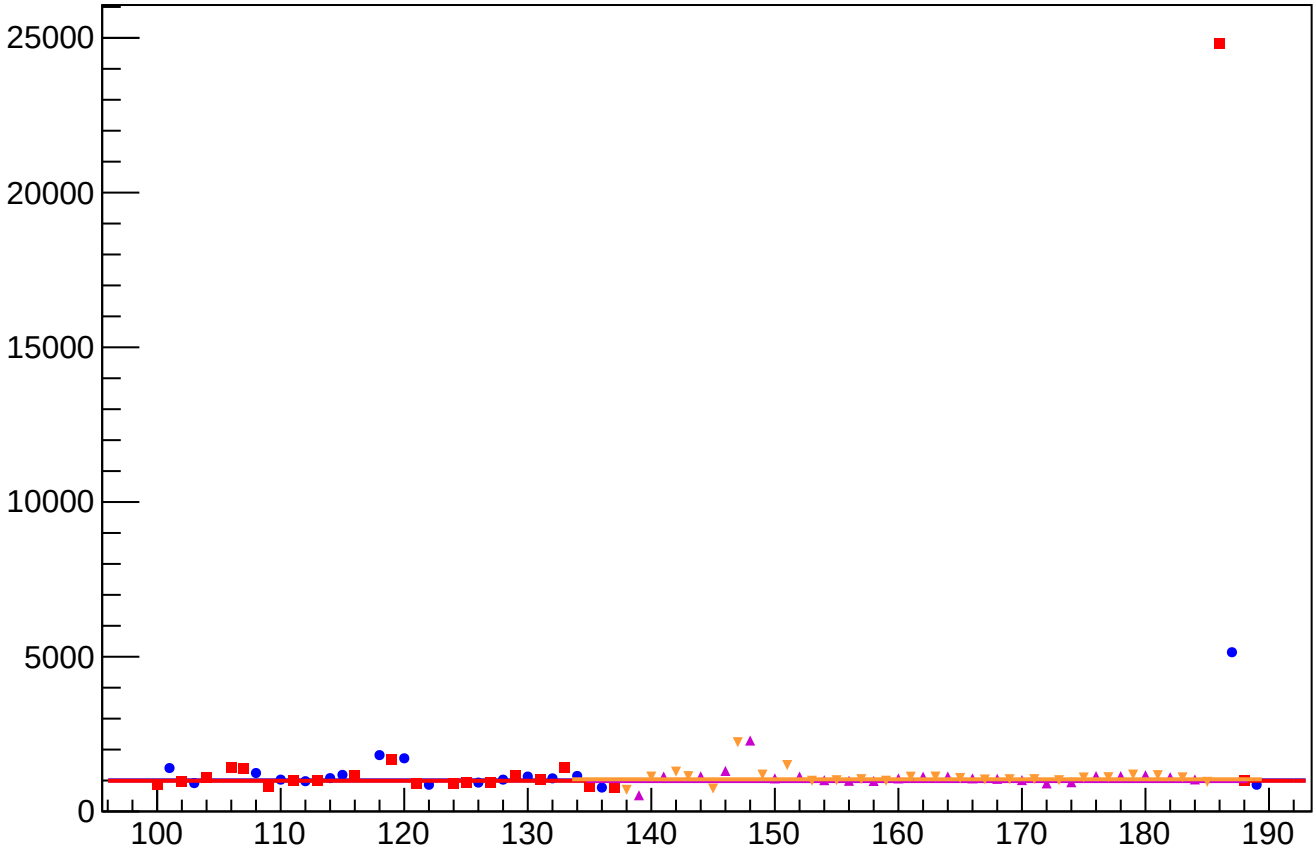
Left In: 0.025+/-0.239 χ^2/NDF:15.2/22

+ sign -0.122+/-0.204 χ^2/NDF: 29.5/42

All: -0.061+/-0.142 χ^2/NDF: 73.9/86

- sign -0.003+/-0.199 χ^2/NDF: 44.2/43

diff_bpmtargetdiffY_rms vs Slug



Right In: 1004.345+/-0.265 χ^2/NDF: 944525.1/17

Left Out: 1039.424+/-0.172 χ^2/NDF:1339748.9/24

Right Out: 992.262+/-0.253 χ^2/NDF: 1309455.5/20

Left In: 981.677+/-0.169 χ^2/NDF:2225094.5/22

+ sign 1029.004+/-0.144 χ^2/NDF: 2296613.3/42

All: 1006.399+/-0.101 χ^2/NDF: 5880200.4/86

- sign 984.942+/-0.141 χ^2/NDF: 3535758.8/43

yield_cav4bX_mean vs Slug

Right In: 139.337+/-0.000 χ^2/NDF: 48497369571.5/17

Left Out: -27.865+/-0.000 χ^2/NDF:181586557.6/24

Right Out: 125.392+/-0.000 χ^2/NDF: 774175671459287.8/20

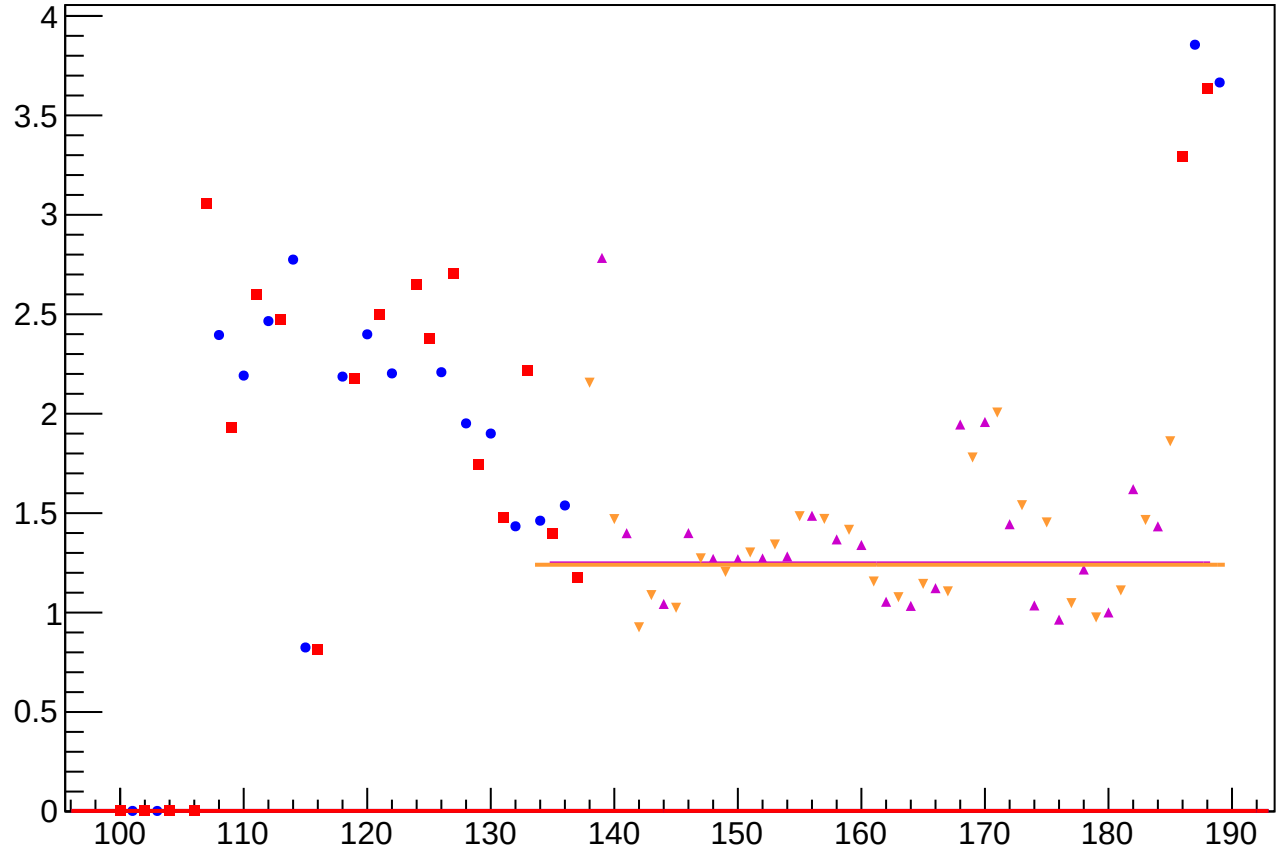
Left In: -27.427+/-0.000 χ^2/NDF:123181562.3/22

+ sign 139.328+/-0.000 χ^2/NDF: 323041058167.1/4

All: 131.810+/-0.000 χ^2/NDF: 79349146709

- sign 125.385+/-0.000 χ^2/NDF: 774389324903244

yield_cav4bX_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 10908166.2/17

Left Out: 1.241+/-0.000 χ^2/NDF:1221248.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 12319601.1/20

Left In: 1.247+/-0.000 χ^2/NDF:1436411.6/22

+ sign 0.003+/-0.000 χ^2/NDF: 42206772.6/42

All: 0.003+/-0.000 χ^2/NDF: 84294038.6/86

- sign 0.003+/-0.000 χ^2/NDF: 42086898.9/43

Right In: 140.143+/-0.000 χ^2/NDF: 195703416654.5/17

Left Out: -59.066+/-0.000 χ^2/NDF:177511074.0/24

Right Out: 104.224+/-0.000 χ^2/NDF: 1257412029135825.5/20

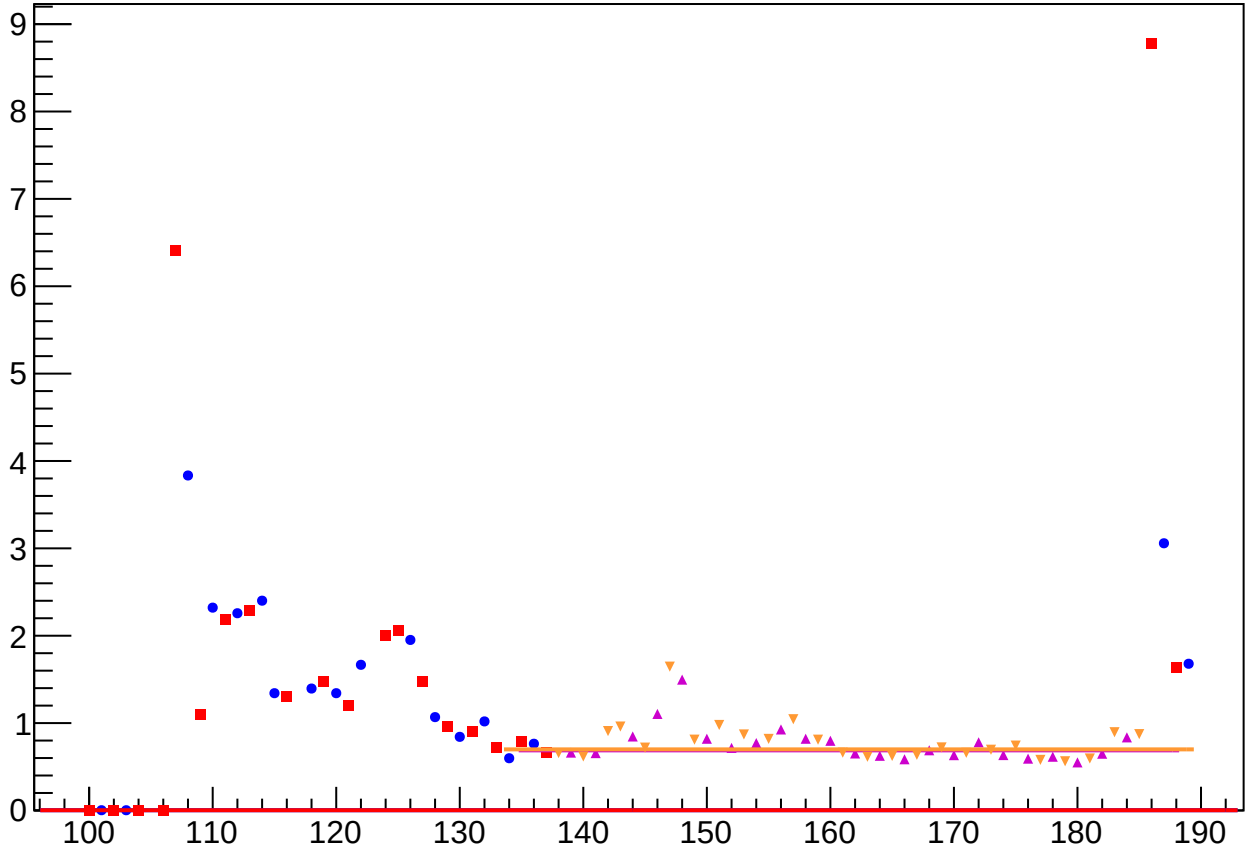
Left In: -59.020+/-0.000 χ^2/NDF:179236820.4/22

+ sign 140.107+/-0.000 χ^2/NDF: 1492891823595.7

All: 120.801+/-0.000 χ^2/NDF: 13830128591

- sign 104.199+/-0.000 χ^2/NDF: 125826909118144

yield_cav4bY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 11869631.2/17

Left Out: 0.699+/-0.000 χ^2/NDF:1357196.3/24

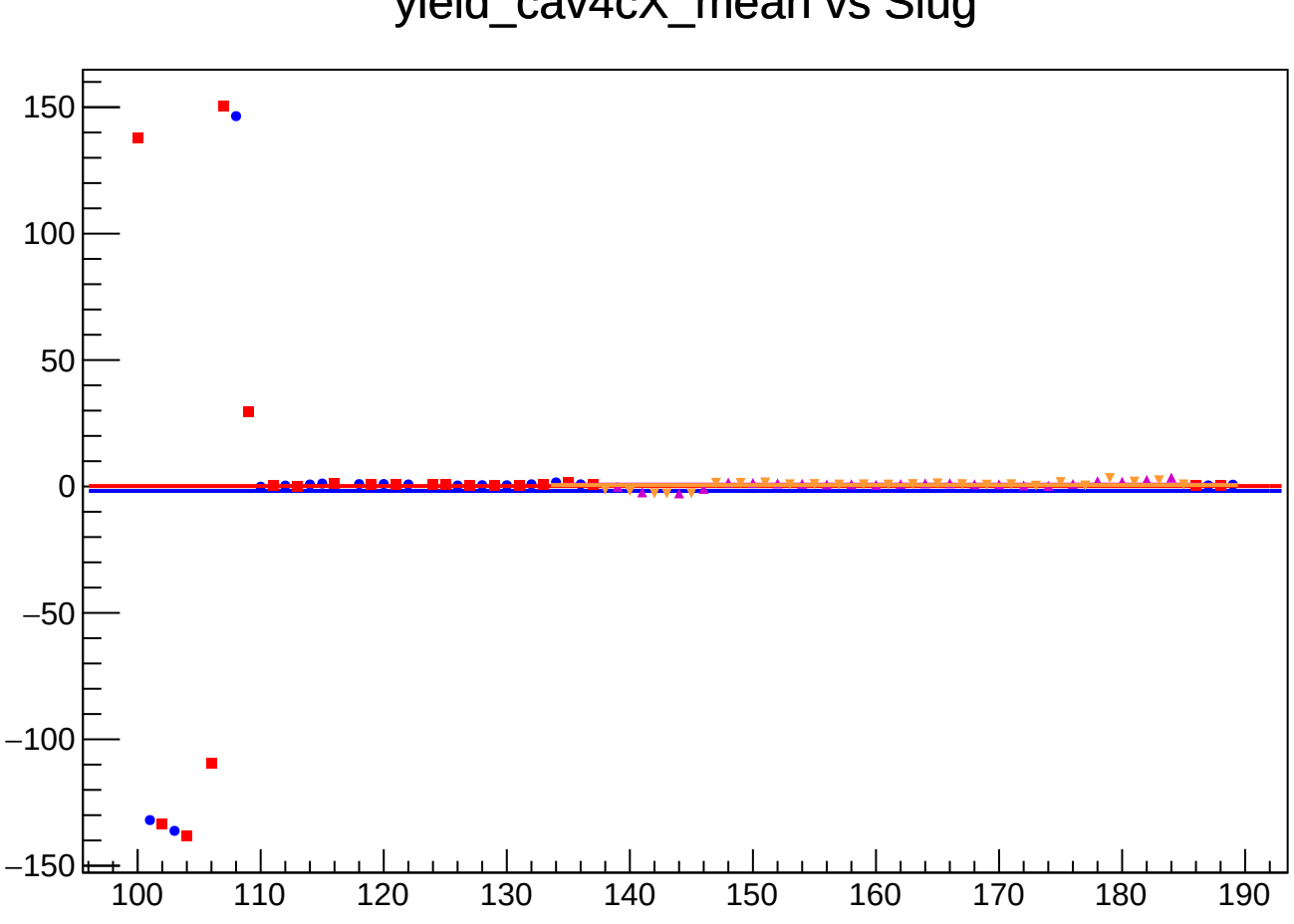
Right Out: 0.003+/-0.000 χ^2/NDF: 12802378.2/20

Left In: 0.688+/-0.000 χ^2/NDF:1107767.8/22

+ sign 0.003+/-0.000 χ^2/NDF: 44923832.8/42

All: 0.003+/-0.000 χ^2/NDF: 89037073.7/86

- sign 0.003+/-0.000 χ^2/NDF: 44112695.5/43



Right In: -1.763+/-0.000 χ^2/NDF: 9889360057.5/17

Left Out: 0.575+/-0.000 χ^2/NDF:154364809.1/24

Right Out: 0.175+/-0.000 χ^2/NDF: 3611269860.8/20

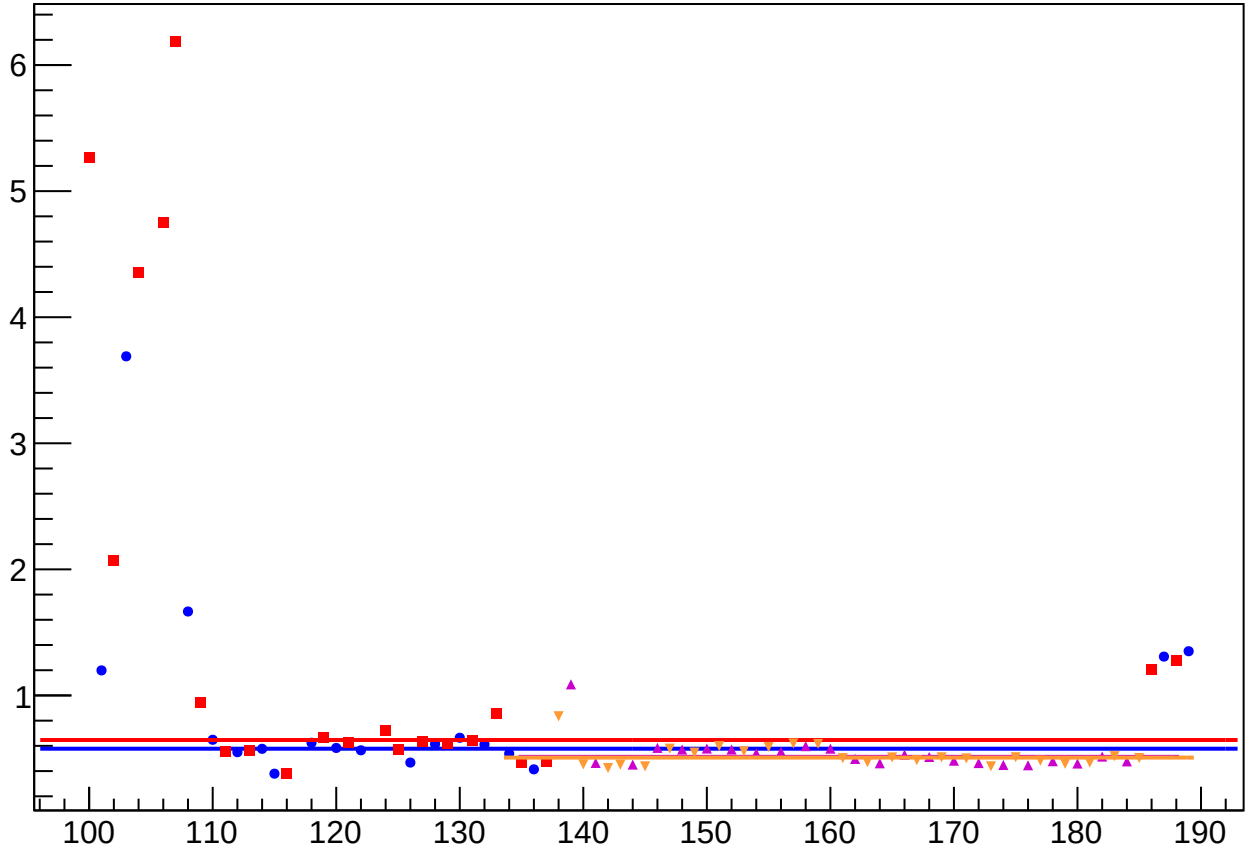
Left In: 0.732+/-0.000 χ^2/NDF:105135095.8/22

+ sign 0.076+/-0.000 χ^2/NDF: 10114659423.1/42

All: 0.335+/-0.000 χ^2/NDF: 13845452526.4/8

- sign 0.620+/-0.000 χ^2/NDF: 3719923143.4/43

yield_cav4cX_rms vs Slug



Right In: 0.577+/-0.000 χ^2/NDF: 2042090.3/17

Left Out: 0.507+/-0.000 χ^2/NDF:554639.8/24

Right Out: 0.646+/-0.000 χ^2/NDF: 3118628.6/20

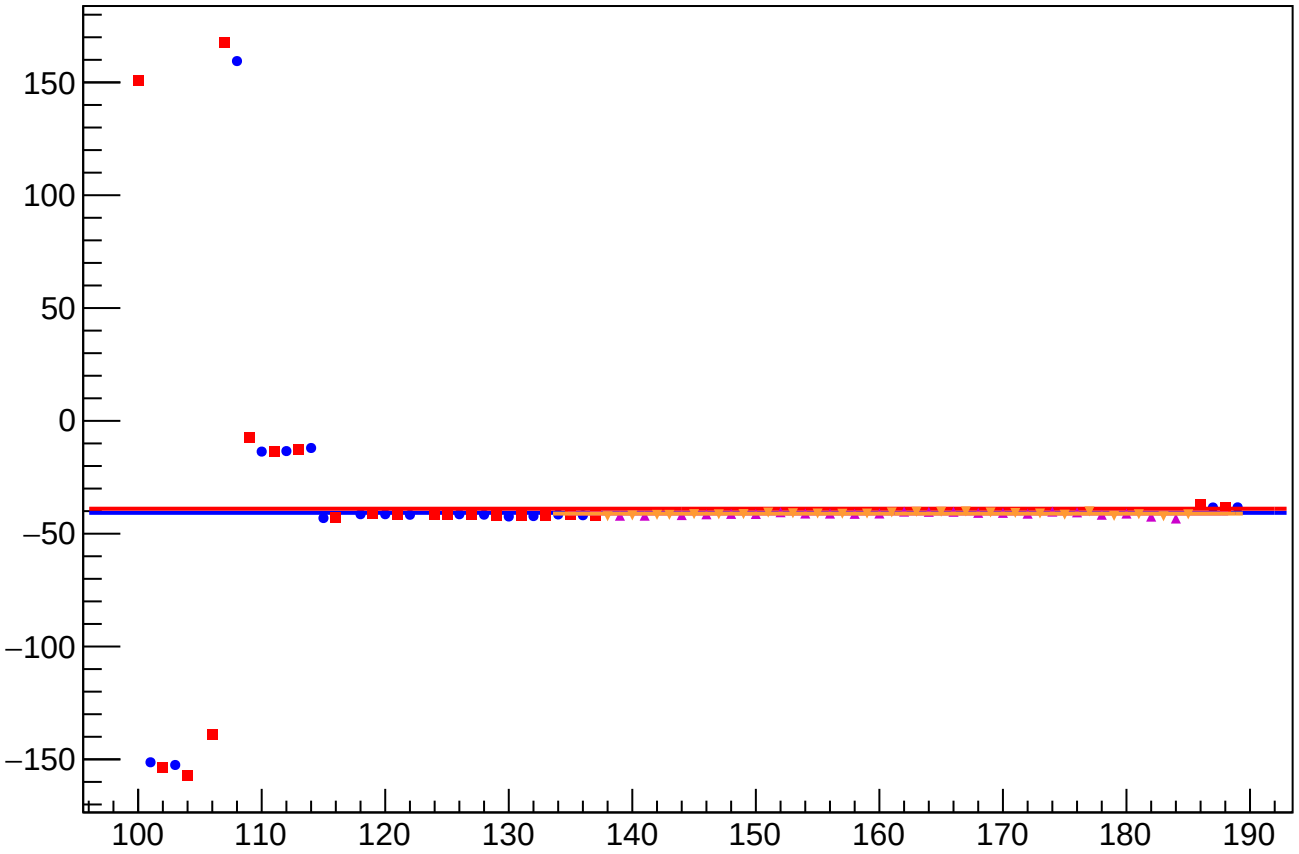
Left In: 0.513+/-0.000 χ^2/NDF:753419.6/22

+ sign 0.522+/-0.000 χ^2/NDF: 2725509.7/42

All: 0.531+/-0.000 χ^2/NDF: 7025610.0/86

- sign 0.540+/-0.000 χ^2/NDF: 4276826.3/43

yield_cav4cY_mean vs Slug



Right In: -40.752+/-0.000 χ^2/NDF: 3461133542.2/17

Left Out: -41.092+/-0.000 χ^2/NDF:60251030.2/24

Right Out: -38.931+/-0.000 χ^2/NDF: 2483039654.6/20

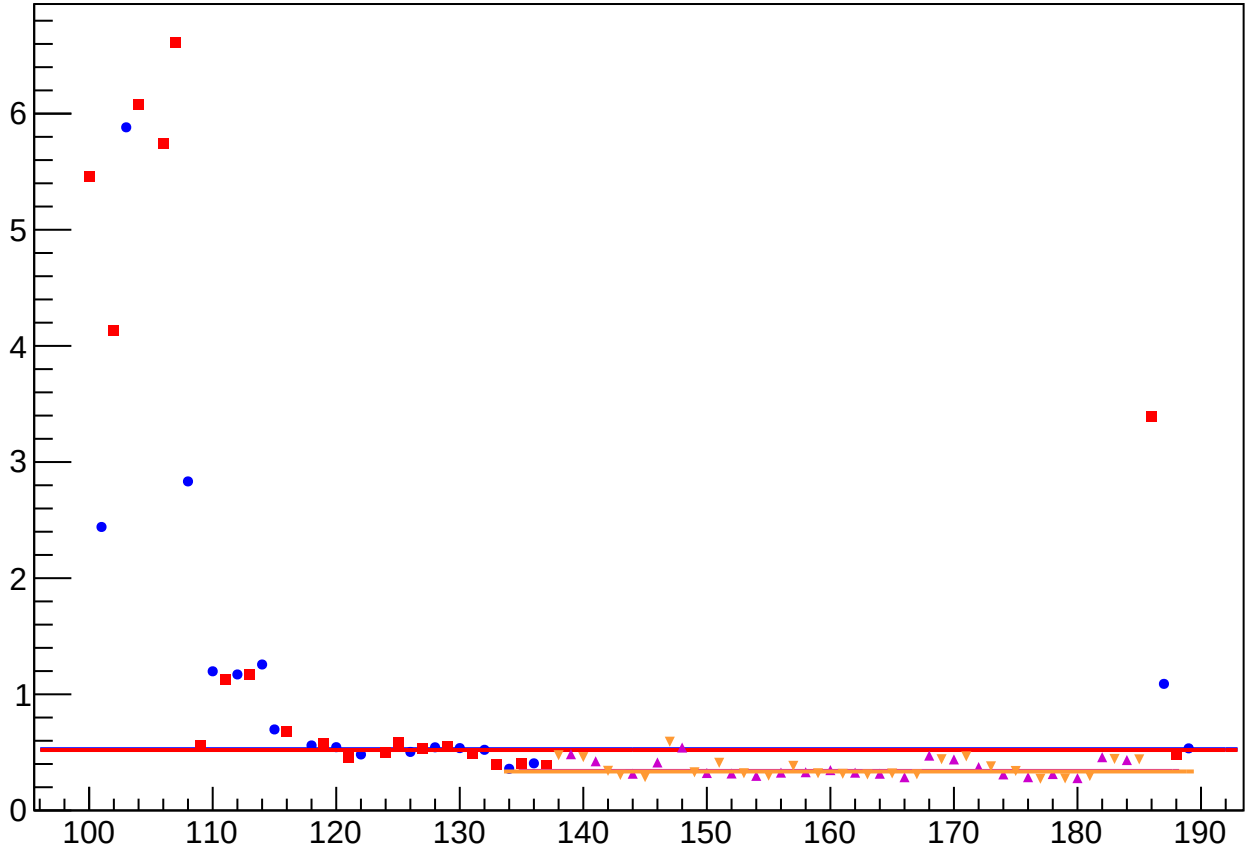
Left In: -41.029+/-0.000 χ^2/NDF:51382147.2/22

+ sign -41.054+/-0.000 χ^2/NDF: 3523464617.1/42

All: -40.909+/-0.000 χ^2/NDF: 6149121924.2/

- sign -40.755+/-0.000 χ^2/NDF: 2617983408.2/43

yield_cav4cY_rms vs Slug



Right In: 0.527+/-0.000 χ^2/NDF: 3046390.9/17

Left Out: 0.336+/-0.000 χ^2/NDF:1238006.0/24

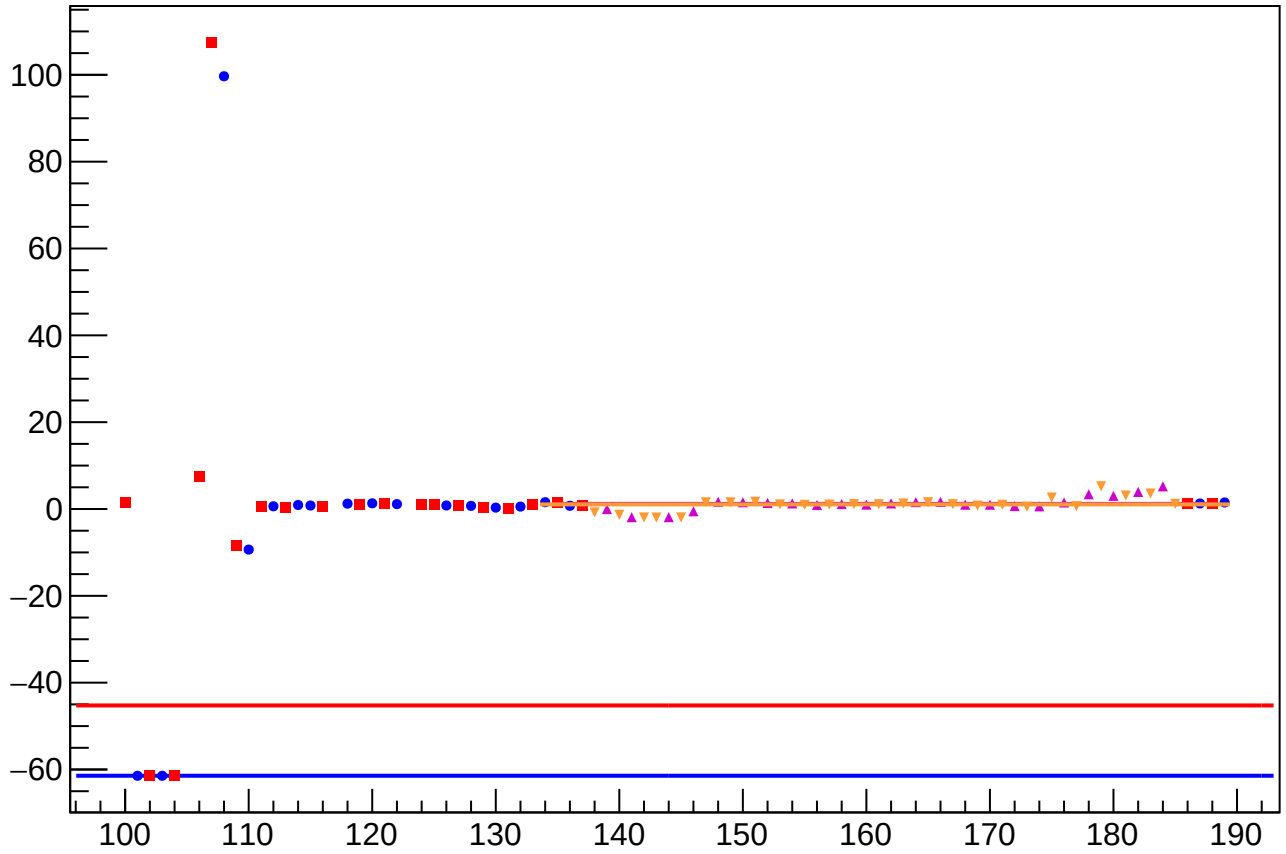
Right Out: 0.520+/-0.000 χ^2/NDF: 3827702.1/20

Left In: 0.340+/-0.000 χ^2/NDF:1065343.8/22

+ sign 0.357+/-0.000 χ^2/NDF: 5602512.8/42

All: 0.361+/-0.000 χ^2/NDF: 11734225.0/86

- sign 0.364+/-0.000 χ^2/NDF: 6124837.0/43



Right In: -61.436+/-0.000 χ^2/NDF: 275400613265.7/17

Left Out: 1.059+/-0.000 χ^2/NDF:253133917.4/24

Right Out: -45.245+/-0.000 χ^2/NDF: 357872661260022.4/20

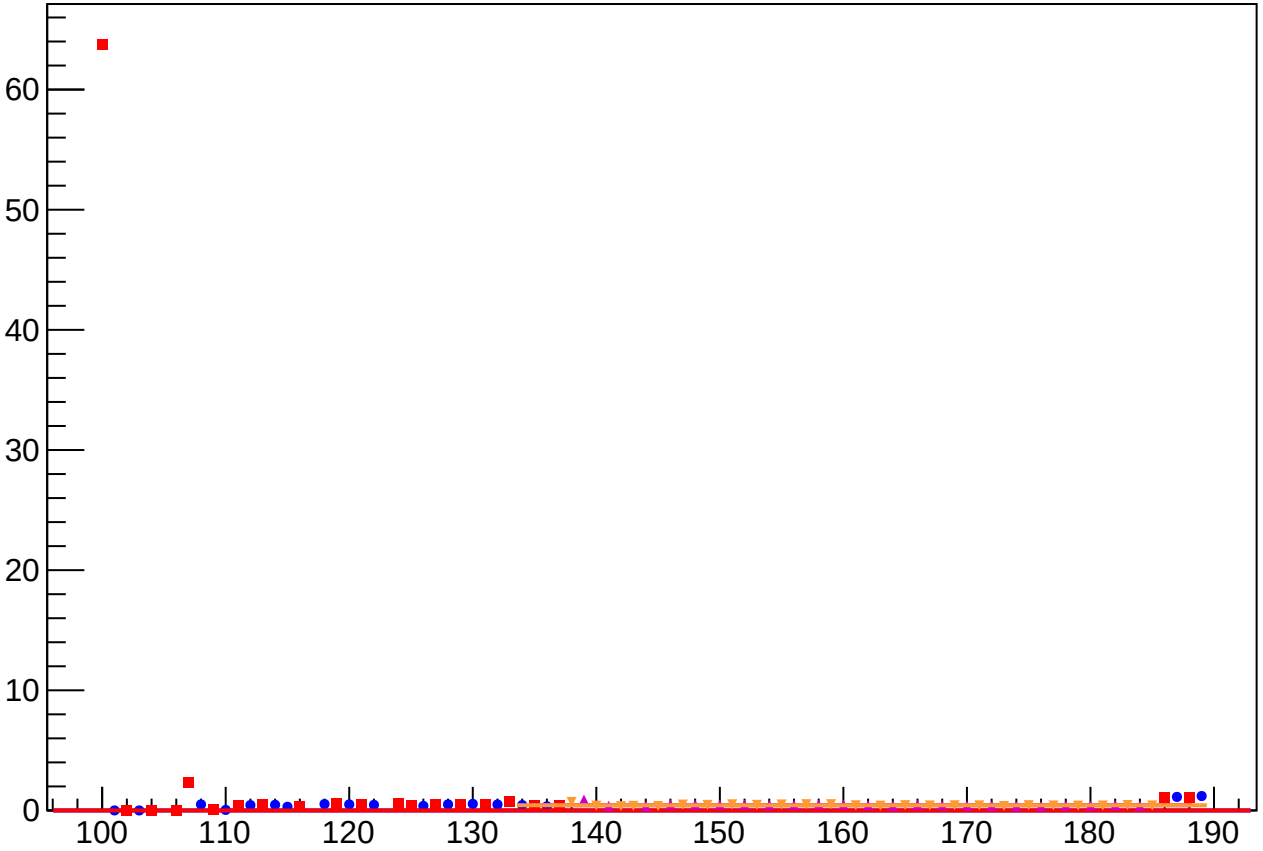
Left In: 1.175+/-0.000 χ^2/NDF:182397676.2/22

+ sign -61.421+/-0.000 χ^2/NDF: 605408381733.6/4

All: -52.738+/-0.000 χ^2/NDF: 409595895498

- sign -45.236+/-0.000 χ^2/NDF: 358039227322974.

yield_cav4dX_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 10495315.7/17

Left Out: 0.432+/-0.000 χ^2/NDF:527546.3/24

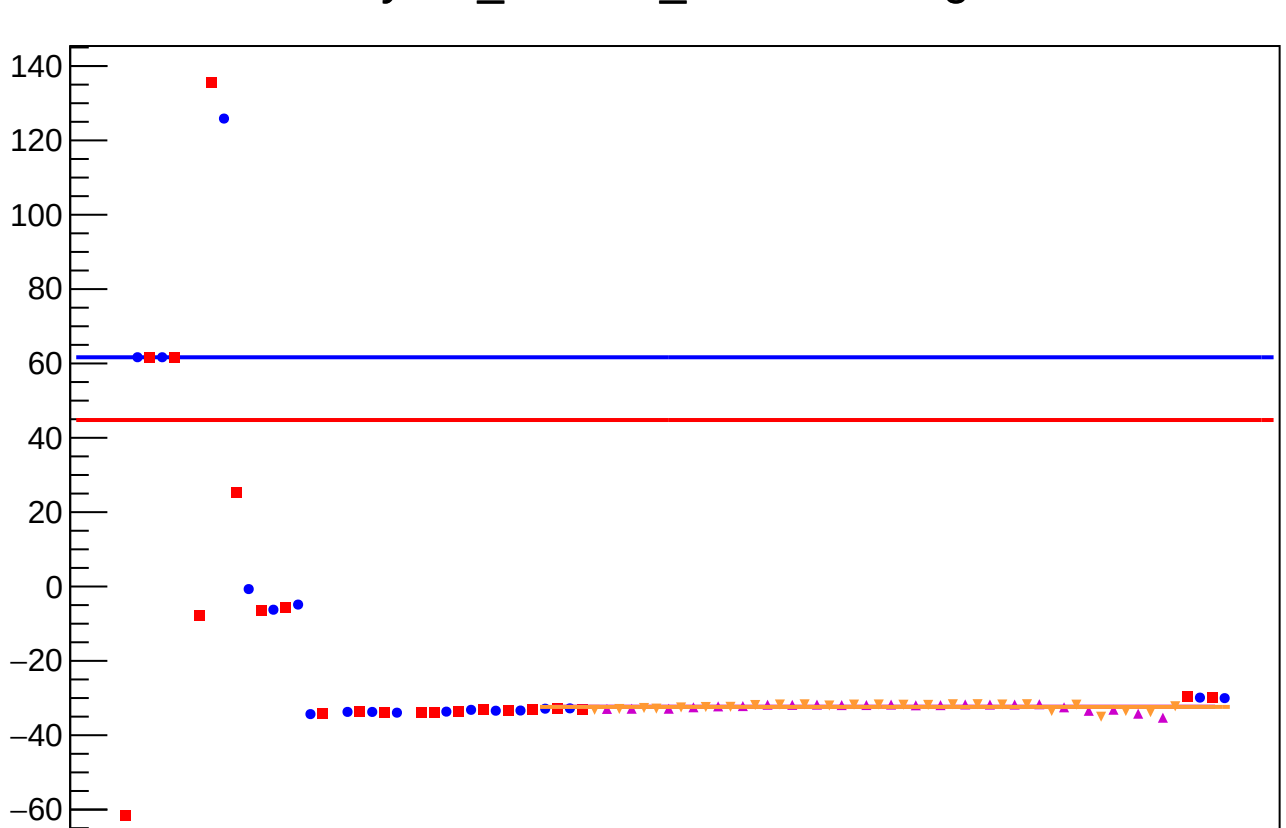
Right Out: 0.001+/-0.000 χ^2/NDF: 11919270.3/20

Left In: 0.438+/-0.000 χ^2/NDF:698702.2/22

+ sign 0.002+/-0.000 χ^2/NDF: 42260847.7/42

All: 0.002+/-0.000 χ^2/NDF: 84323247.8/86

- sign 0.002+/-0.000 χ^2/NDF: 42062228.9/43



Right In: 61.661+/-0.000 χ^2/NDF: 391705768908.0/17

Left Out: -32.386+/-0.000 χ^2/NDF:172024234.9/24

Right Out: 44.784+/-0.000 χ^2/NDF: 366127200197175.9/20

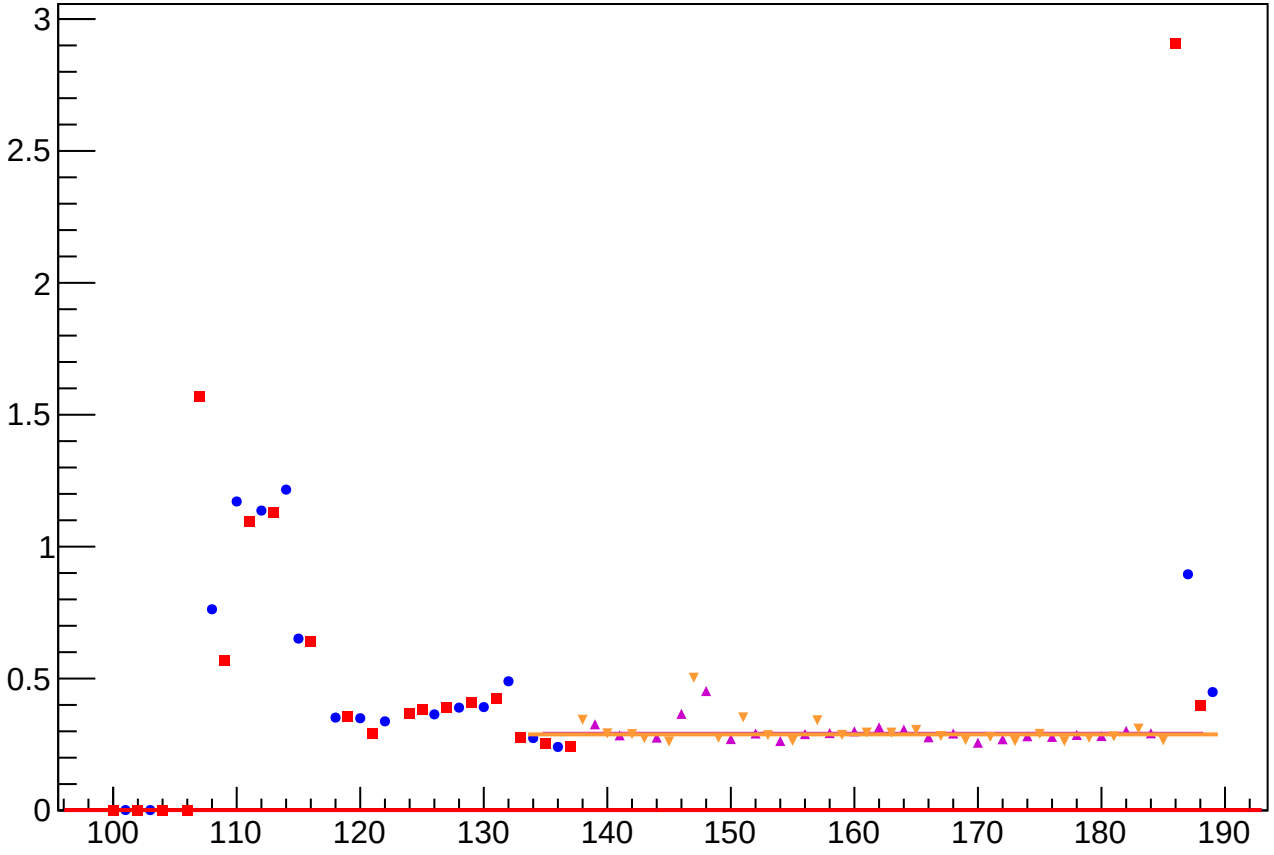
Left In: -32.325+/-0.000 χ^2/NDF:118654391.5/22

+ sign 61.600+/-0.000 χ^2/NDF: 2349809058205.5/4

All: 52.637+/-0.000 χ^2/NDF: 420720475240

- sign 44.743+/-0.000 χ^2/NDF: 367354980439868.4

yield_cav4dY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 12349552.9/17

Left Out: 0.288+/-0.000 χ^2/NDF:522979.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 13119957.1/20

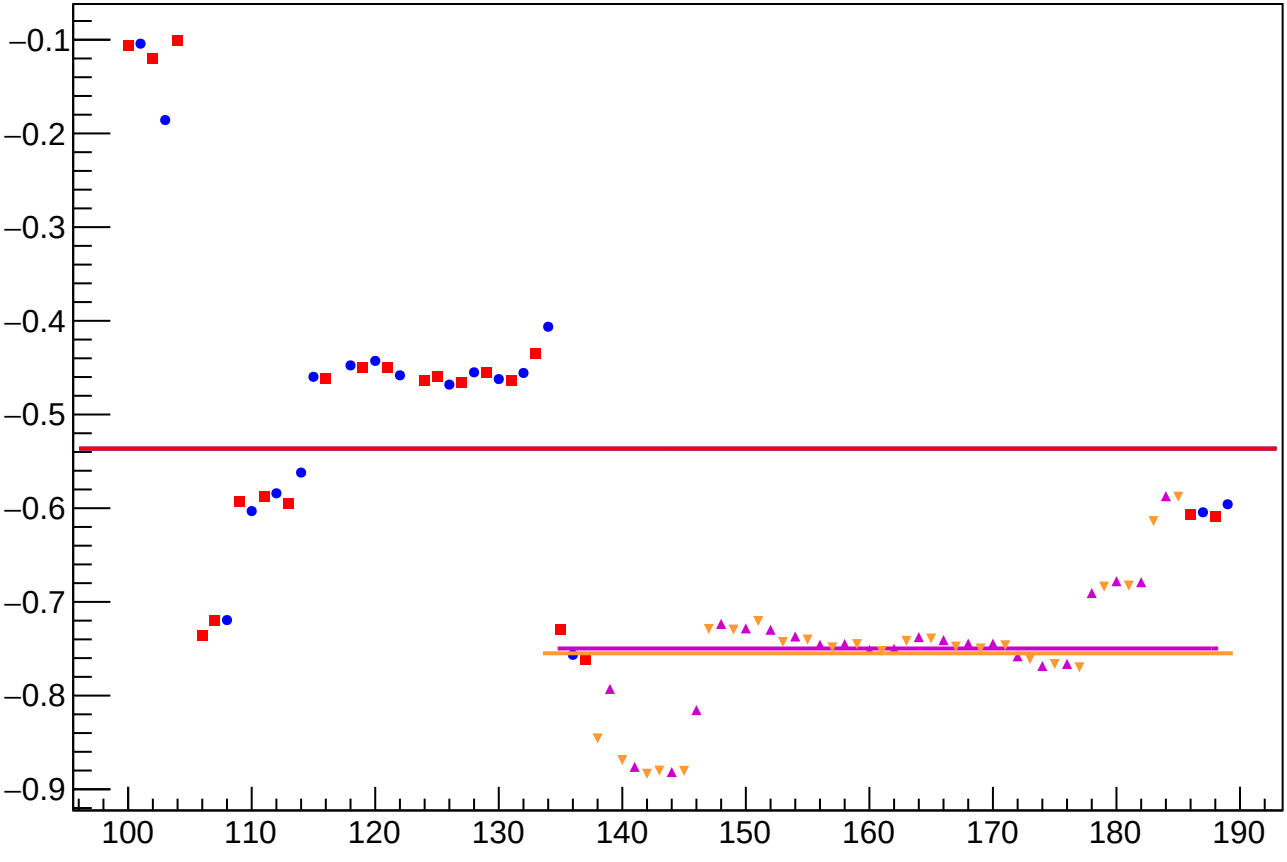
Left In: 0.291+/-0.000 χ^2/NDF:387524.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 49311944.1/42

All: 0.002+/-0.000 χ^2/NDF: 97338826.3/86

- sign 0.002+/-0.000 χ^2/NDF: 48026838.7/43

yield_bpm4aX_mean vs Slug



Right In: -0.536+/-0.000 χ^2/NDF: 301891736.8/17

Left Out: -0.755+/-0.000 χ^2/NDF:212643091.8/24

Right Out: -0.536+/-0.000 χ^2/NDF: 217146263.4/20

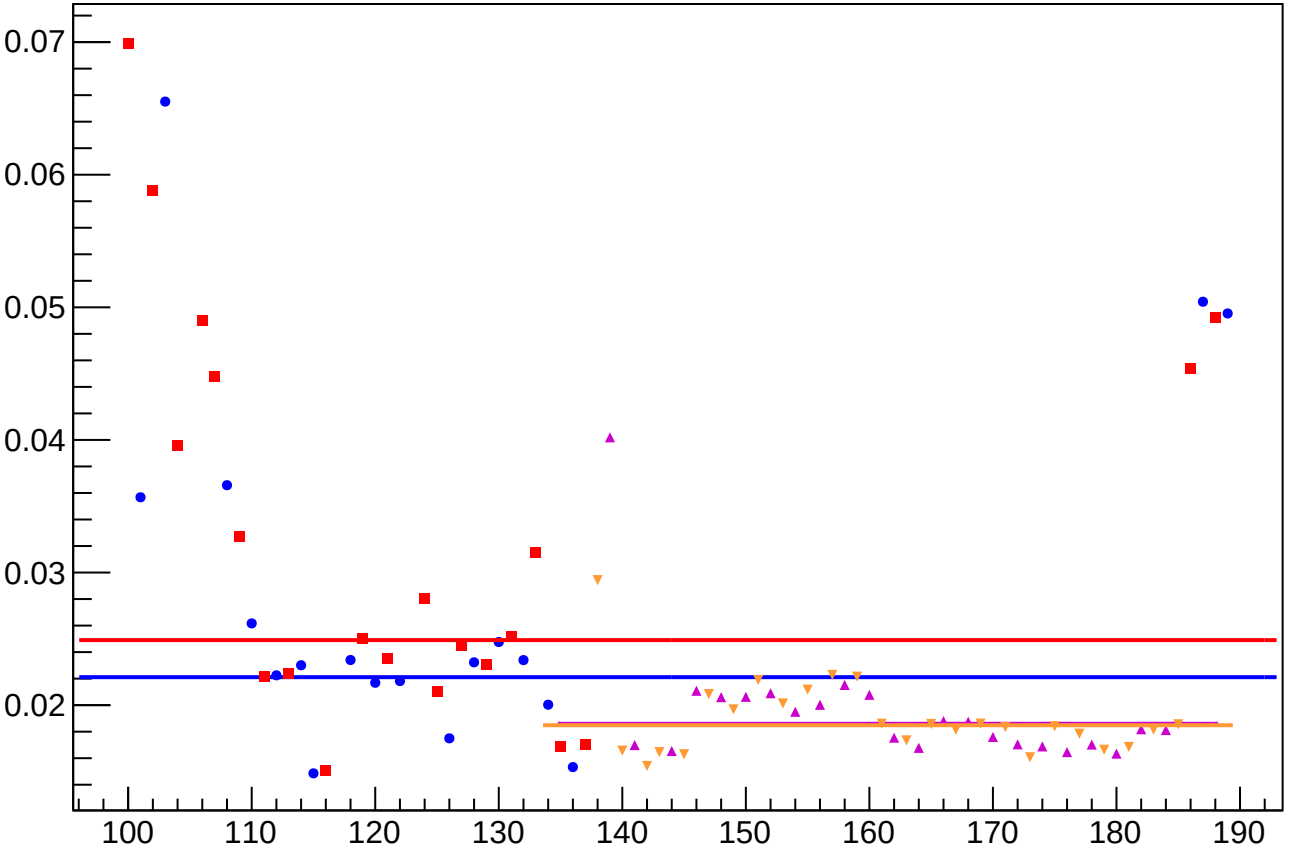
Left In: -0.750+/-0.000 χ^2/NDF:140839352.1/22

+ sign -0.710+/-0.000 χ^2/NDF: 964998495.0/42

All: -0.709+/-0.000 χ^2/NDF: 1707935056.5/8

- sign -0.707+/-0.000 χ^2/NDF: 742762812.5/43

yield_bpm4aX_rms vs Slug



Right In: 0.022+/-0.000 χ^2/NDF: 1574470.2/17

Left Out: 0.018+/-0.000 χ^2/NDF:491665.0/24

Right Out: 0.025+/-0.000 χ^2/NDF: 1903400.3/20

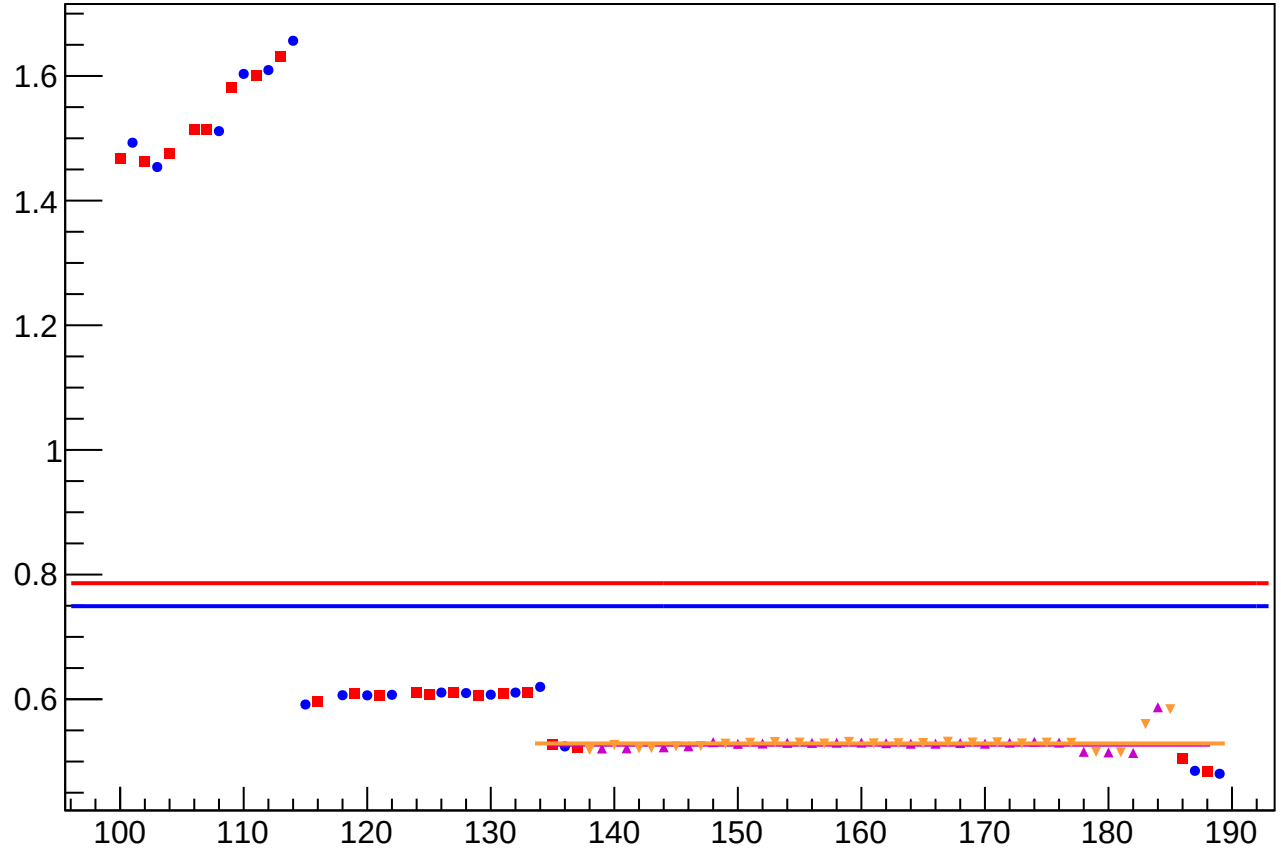
Left In: 0.019+/-0.000 χ^2/NDF:739183.3/22

+ sign 0.019+/-0.000 χ^2/NDF: 2314245.9/42

All: 0.020+/-0.000 χ^2/NDF: 5650825.6/86

- sign 0.020+/-0.000 χ^2/NDF: 3315601.5/43

yield_bpm4aY_mean vs Slug



Right In: 0.749+/-0.000 χ^2/NDF: 4386892863.9/17

Left Out: 0.529+/-0.000 χ^2/NDF:16236836.5/24

Right Out: 0.786+/-0.000 χ^2/NDF: 5001981184.9/20

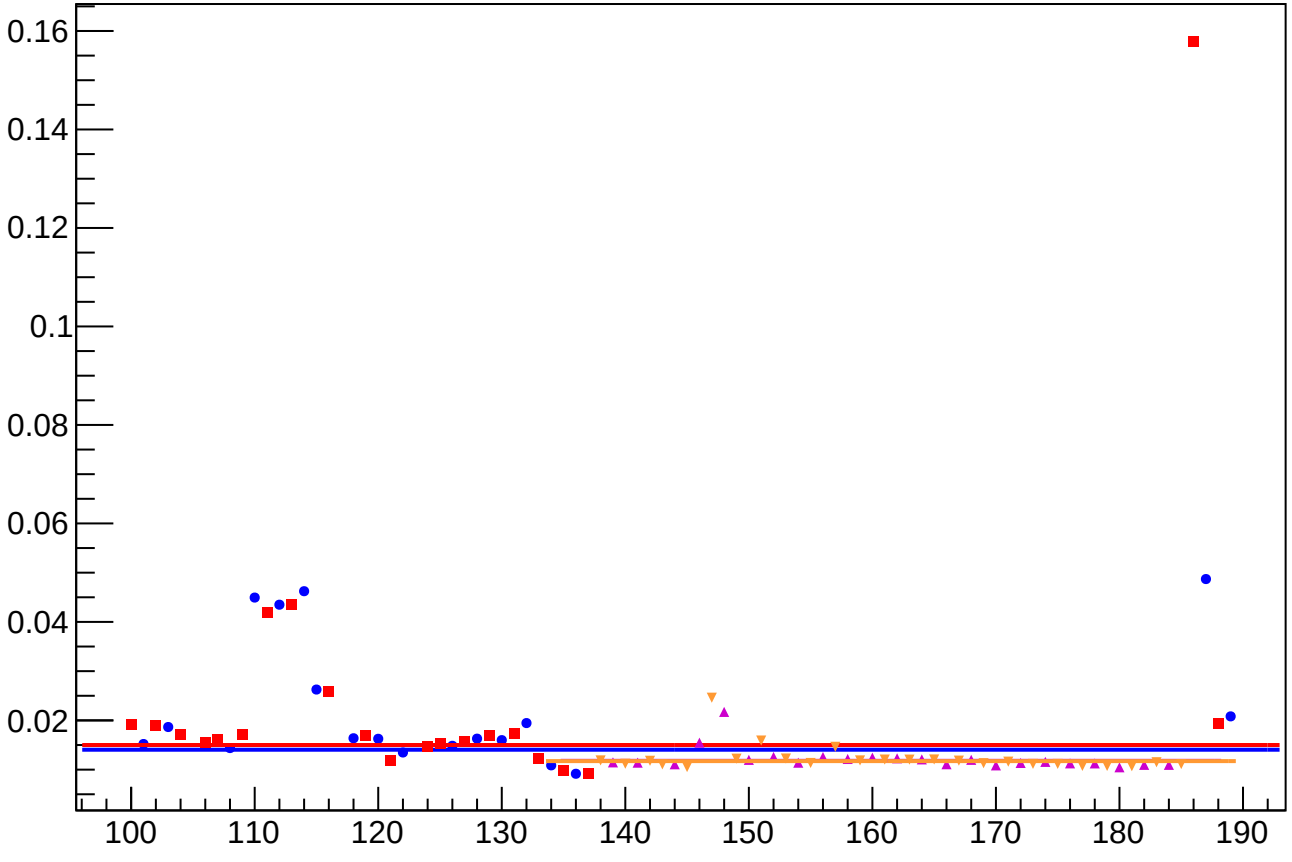
Left In: 0.527+/-0.000 χ^2/NDF:13035326.4/22

+ sign 0.572+/-0.000 χ^2/NDF: 5676741610.7/42

All: 0.575+/-0.000 χ^2/NDF: 12400009731.8/8

- sign 0.579+/-0.000 χ^2/NDF: 6719321951.7/43

yield_bpm4aY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1931973.1/17

Left Out: 0.012+/-0.000 χ^2/NDF:699878.1/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2185444.0/20

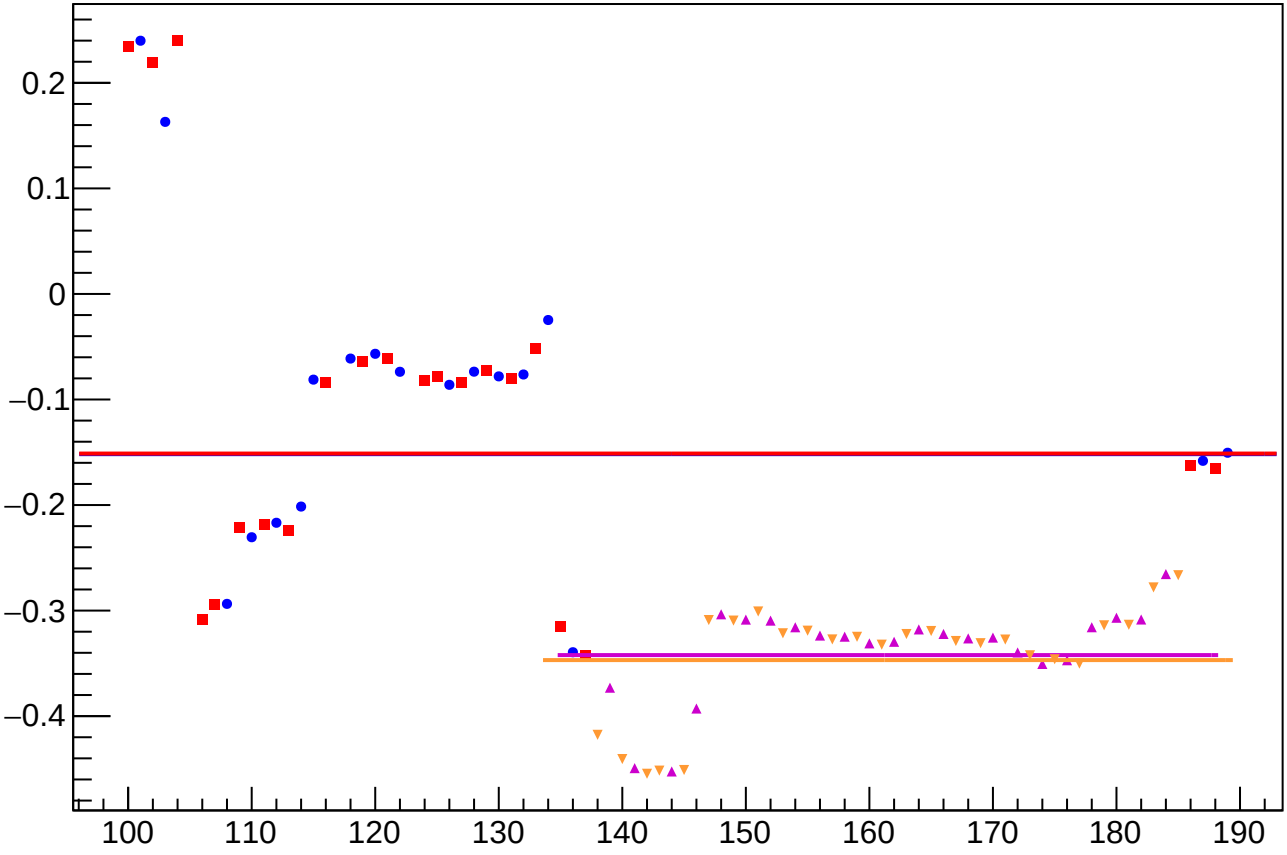
Left In: 0.012+/-0.000 χ^2/NDF:519826.8/22

+ sign 0.012+/-0.000 χ^2/NDF: 2912704.1/42

All: 0.012+/-0.000 χ^2/NDF: 6151530.6/86

- sign 0.012+/-0.000 χ^2/NDF: 3228698.7/43

yield_bpm4eX_mean vs Slug



Right In: -0.152+/-0.000 χ^2/NDF: 276794717.4/17

Left Out: -0.347+/-0.000 χ^2/NDF:125890246.2/24

Right Out: -0.151+/-0.000 χ^2/NDF: 199508468.3/20

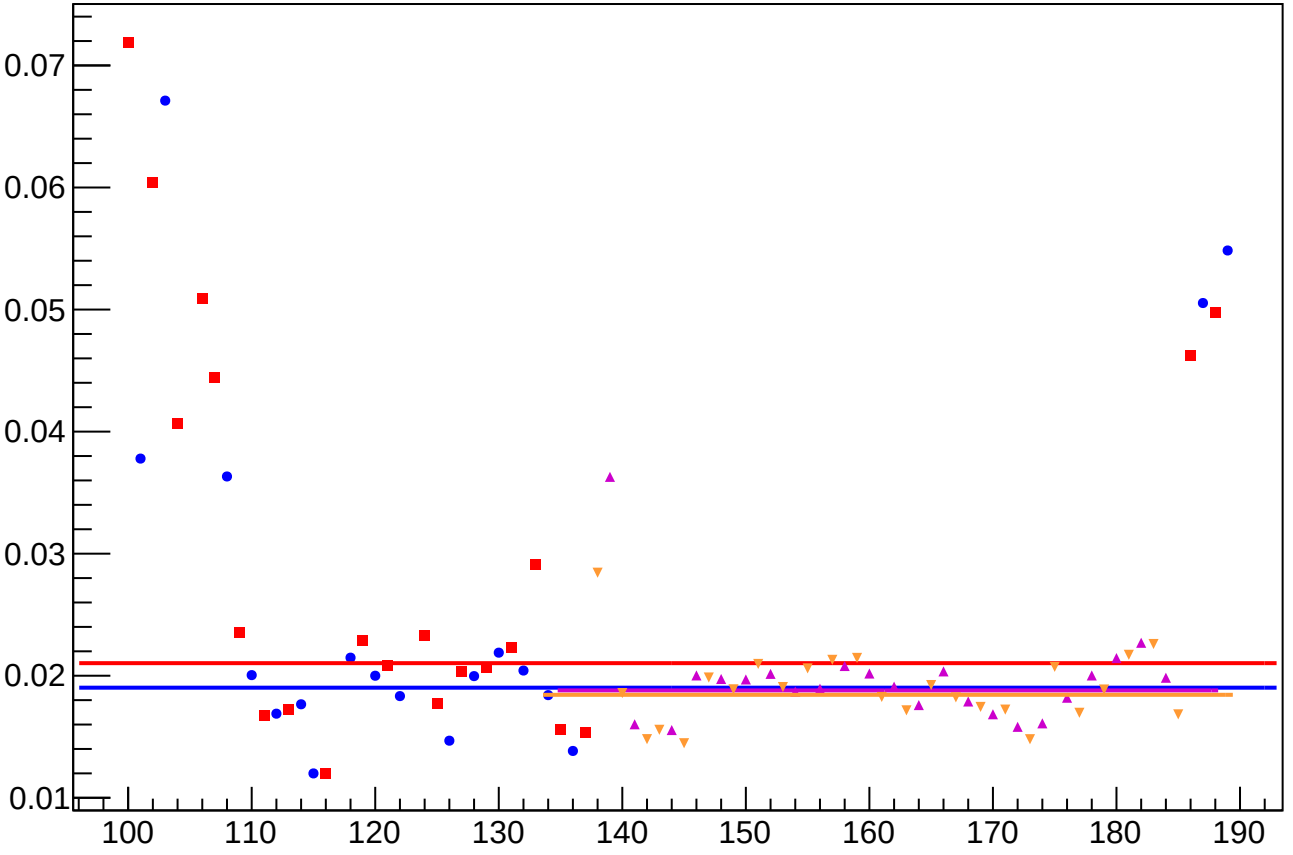
Left In: -0.342+/-0.000 χ^2/NDF:88220744.3/22

+ sign -0.298+/-0.000 χ^2/NDF: 848700617.8/42

All: -0.296+/-0.000 χ^2/NDF: 1525981699.0/8

- sign -0.294+/-0.000 χ^2/NDF: 676866203.0/43

yield_bpm4eX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF: 1939073.6/17

Left Out: 0.018+/-0.000 χ^2/NDF:640029.5/24

Right Out: 0.021+/-0.000 χ^2/NDF: 2415251.4/20

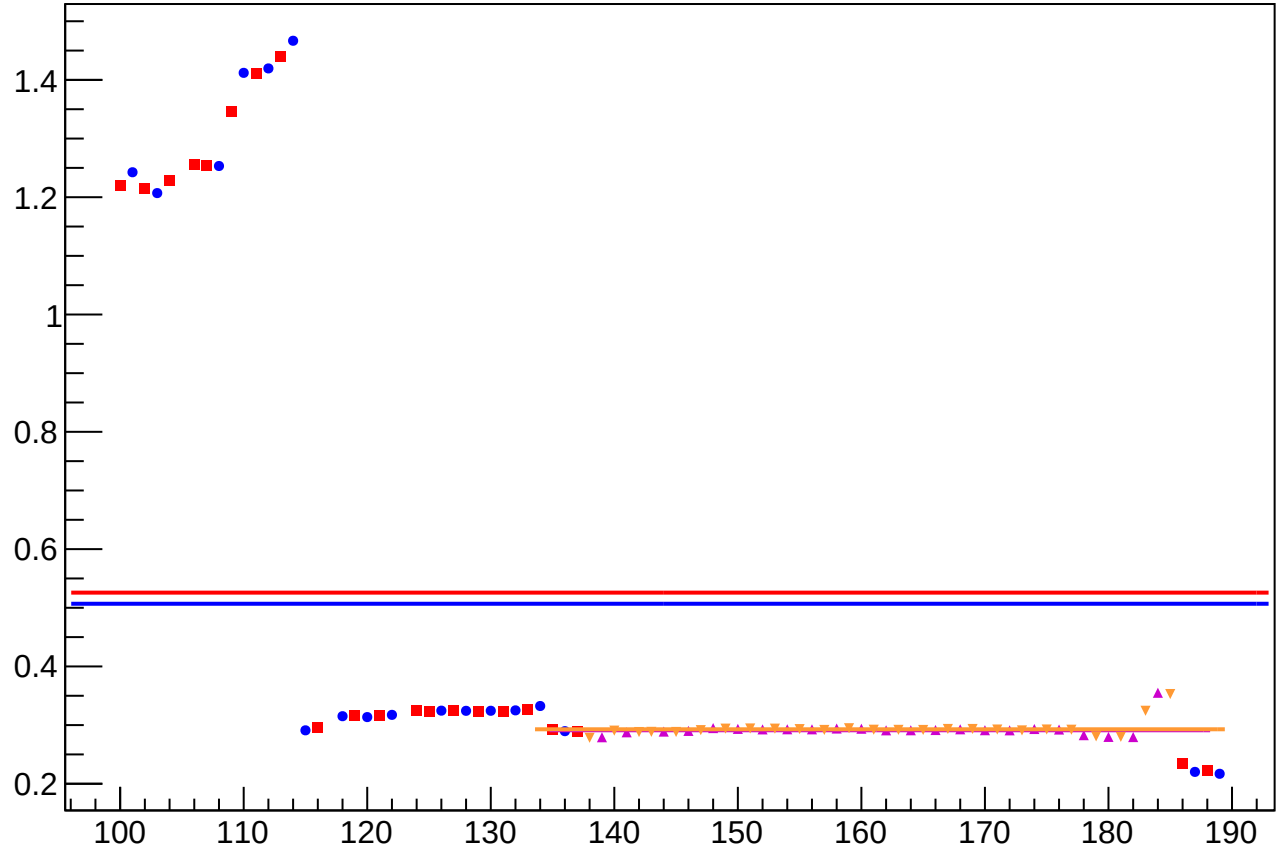
Left In: 0.019+/-0.000 χ^2/NDF:718726.0/22

+ sign 0.019+/-0.000 χ^2/NDF: 2587120.6/42

All: 0.019+/-0.000 χ^2/NDF: 5863197.0/86

- sign 0.019+/-0.000 χ^2/NDF: 3240286.6/43

yield_bpm4eY_mean vs Slug



Right In: 0.507+/-0.000 χ^2/NDF: 6476282160.0/17

Left Out: 0.293+/-0.000 χ^2/NDF:17281571.0/24

Right Out: 0.526+/-0.000 χ^2/NDF: 7158331996.4/20

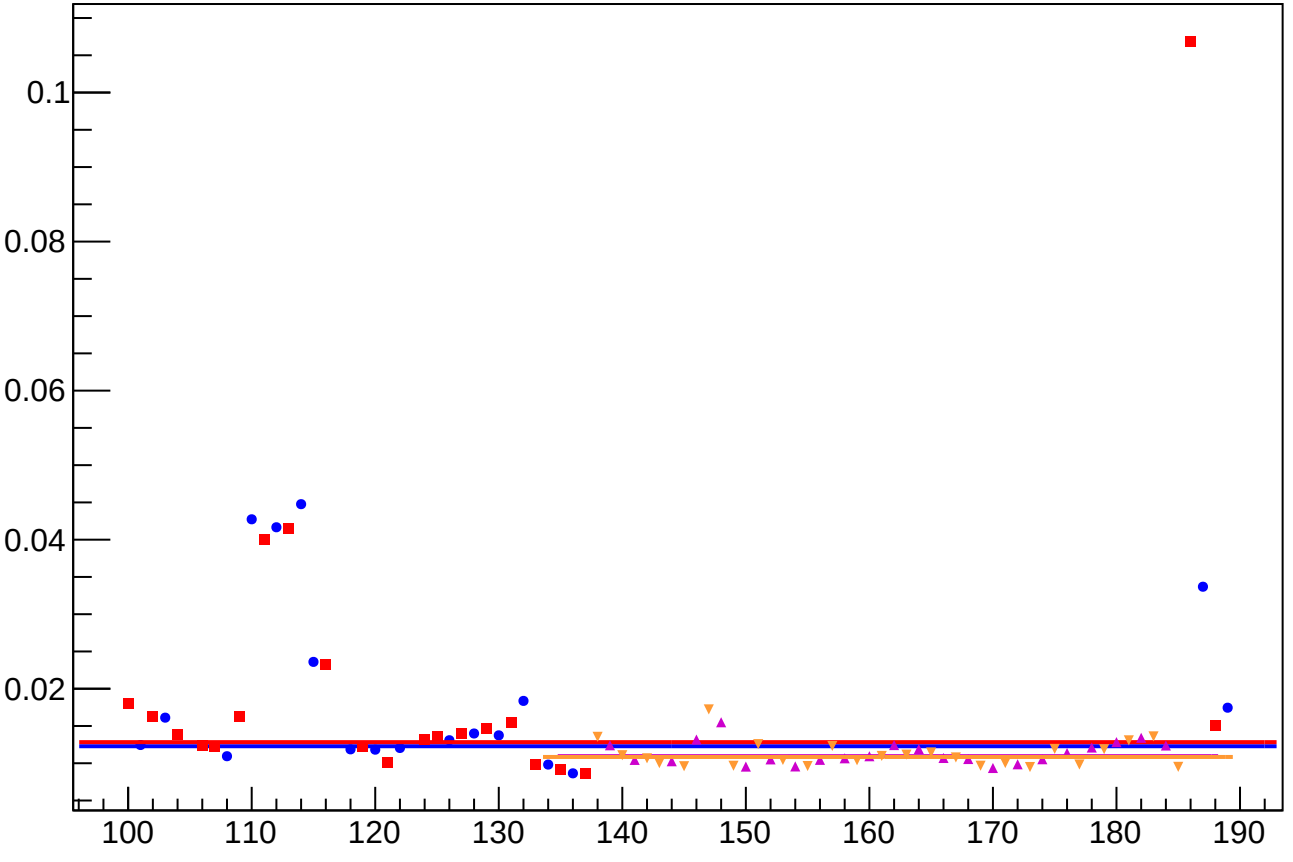
Left In: 0.291+/-0.000 χ^2/NDF:10282762.1/22

+ sign 0.339+/-0.000 χ^2/NDF: 8043024438.8/42

All: 0.342+/-0.000 χ^2/NDF: 17042718194.9/8

- sign 0.345+/-0.000 χ^2/NDF: 8996557666.2/43

yield_bpm4eY_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 1730381.3/17

Left Out: 0.011+/-0.000 χ^2/NDF:654475.7/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2073018.2/20

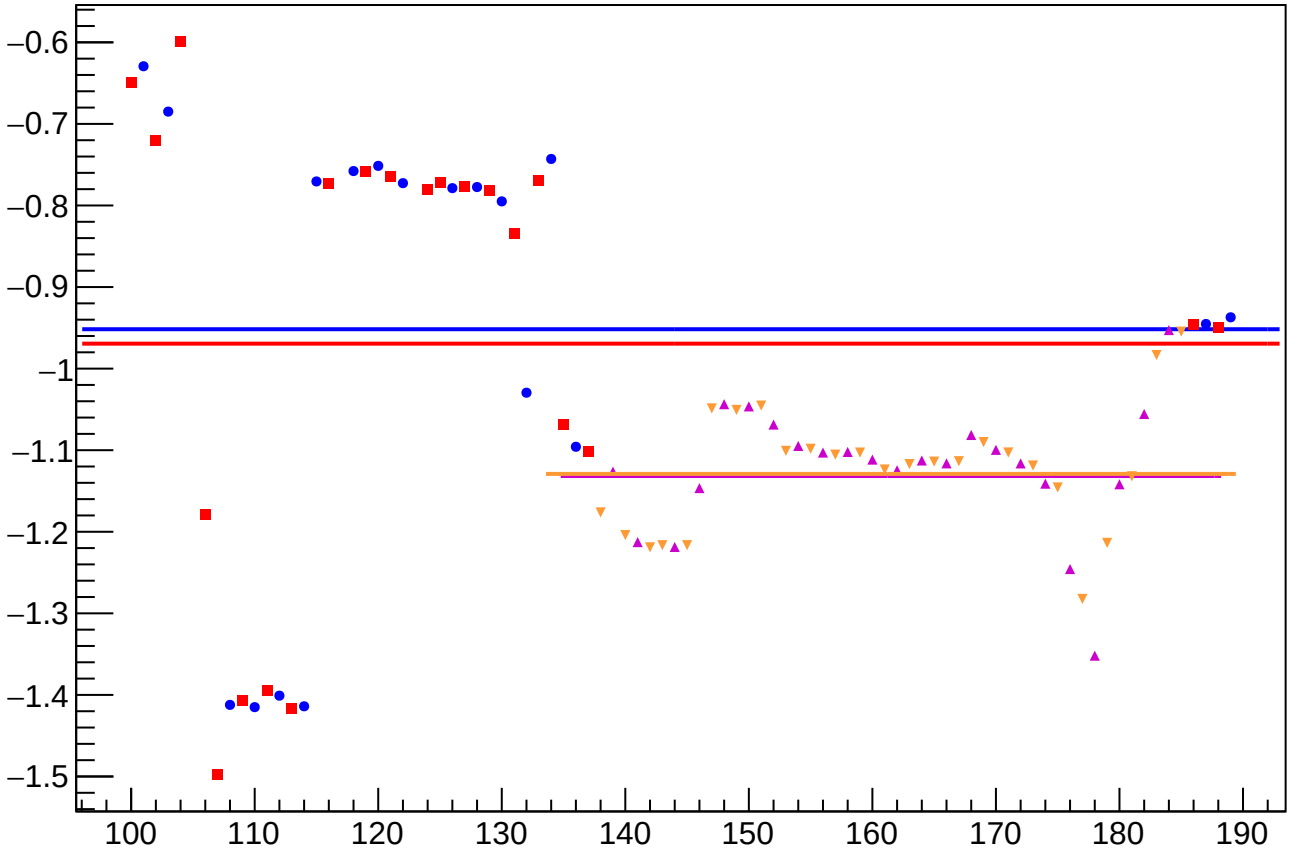
Left In: 0.011+/-0.000 χ^2/NDF:512130.1/22

+ sign 0.011+/-0.000 χ^2/NDF: 2524934.7/42

All: 0.011+/-0.000 χ^2/NDF: 5354149.5/86

- sign 0.011+/-0.000 χ^2/NDF: 2819029.9/43

yield_bpm4acX_mean vs Slug



Right In: -0.952+/-0.000 χ^2/NDF: 699518127.7/17

Left Out: -1.129+/-0.000 χ^2/NDF:238152679.4/24

Right Out: -0.969+/-0.000 χ^2/NDF: 714783228.4/20

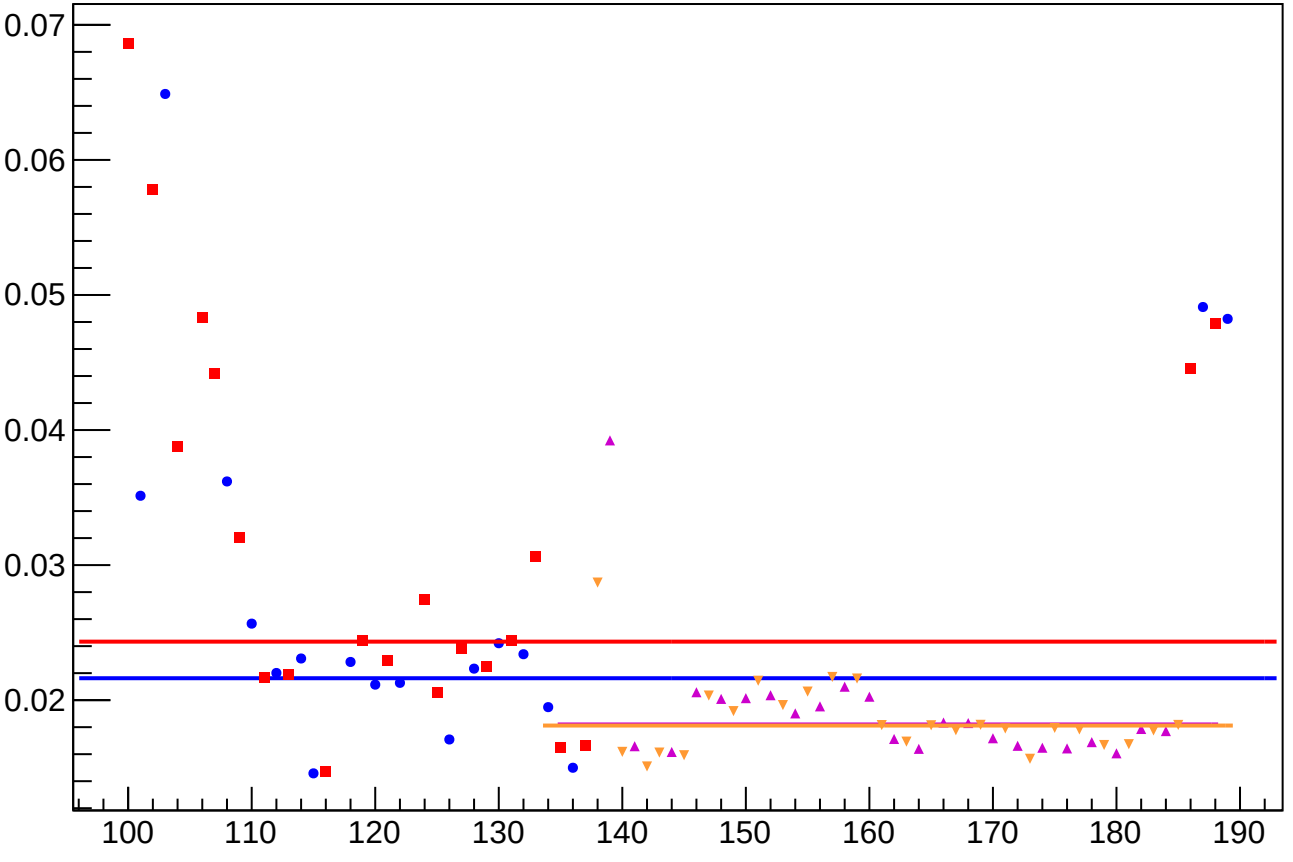
Left In: -1.132+/-0.000 χ^2/NDF:260075820.5/22

+ sign -1.092+/-0.000 χ^2/NDF: 1247622134.8/42

All: -1.096+/-0.000 χ^2/NDF: 2456304709.2/8

- sign -1.099+/-0.000 χ^2/NDF: 1207272161.9/43

yield_bpm4acX_rms vs Slug



Right In: 0.022+/-0.000 χ^2/NDF: 1584610.9/17

Left Out: 0.018+/-0.000 χ^2/NDF:474004.4/24

Right Out: 0.024+/-0.000 χ^2/NDF: 1905789.7/20

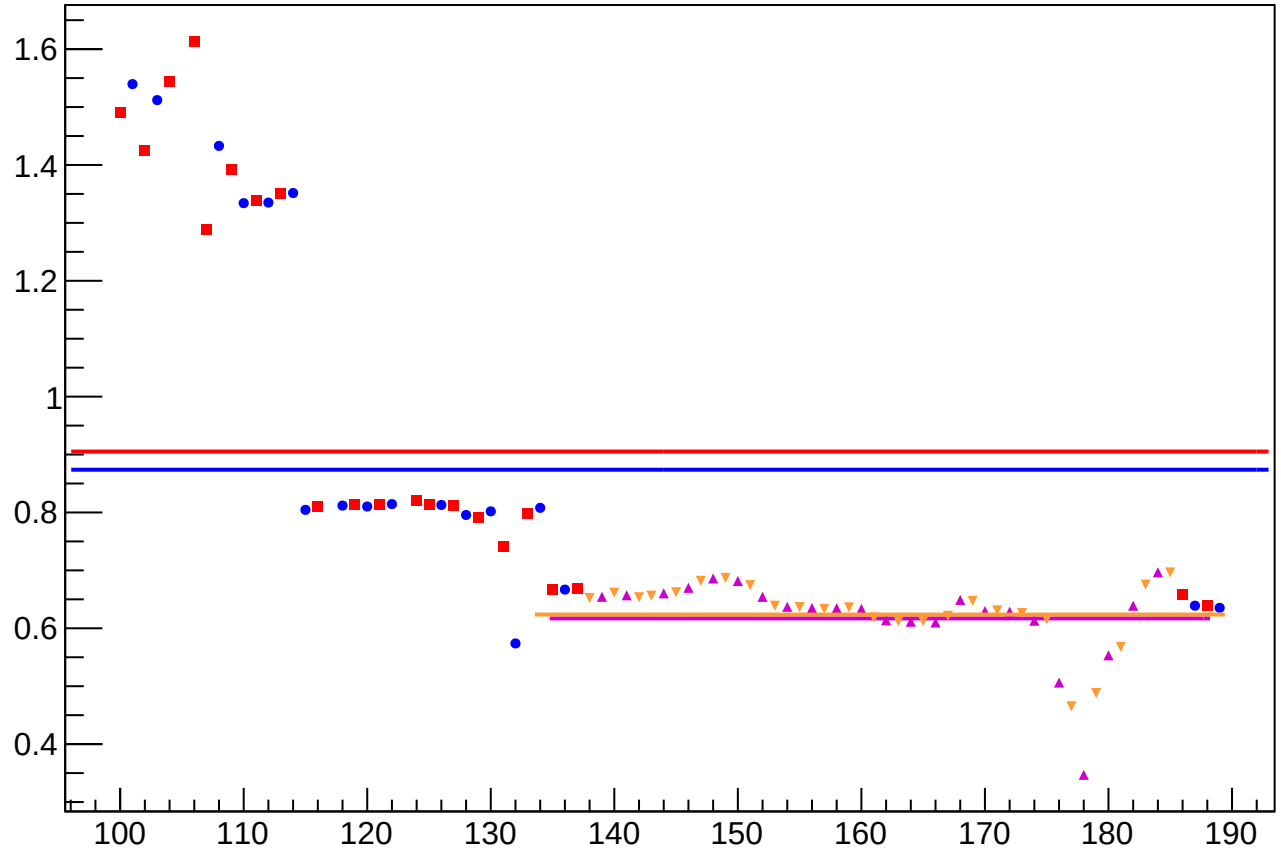
Left In: 0.018+/-0.000 χ^2/NDF:723957.3/22

+ sign 0.019+/-0.000 χ^2/NDF: 2300470.5/42

All: 0.019+/-0.000 χ^2/NDF: 5613135.6/86

- sign 0.019+/-0.000 χ^2/NDF: 3293597.0/43

yield_bpm4acY_mean vs Slug



Right In: 0.874+/-0.000 χ^2/NDF: 2849674382.0/17

Left Out: 0.624+/-0.000 χ^2/NDF:400613435.2/24

Right Out: 0.905+/-0.000 χ^2/NDF: 2946193023.5/20

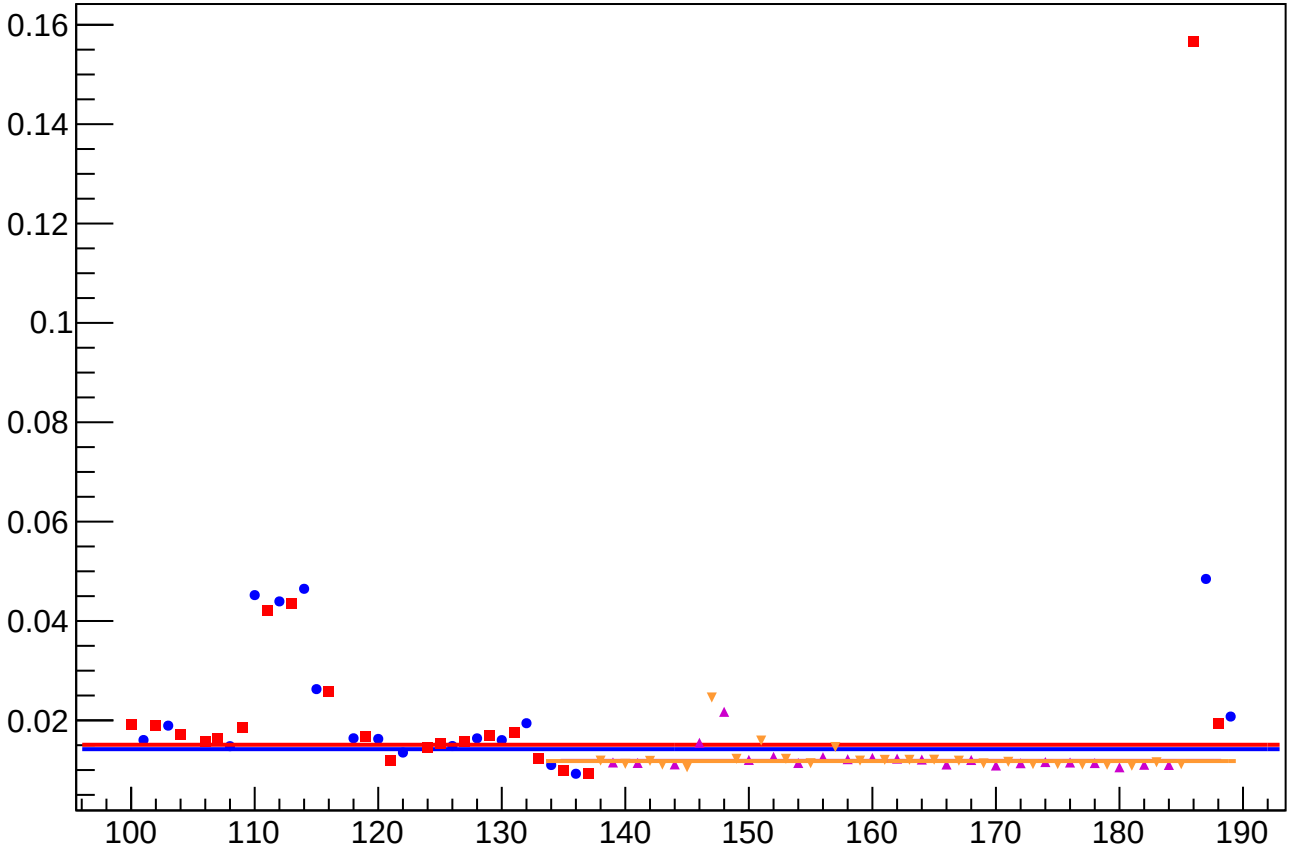
Left In: 0.617+/-0.000 χ^2/NDF:646297442.3/22

+ sign 0.672+/-0.000 χ^2/NDF: 4855733354.9/42

All: 0.673+/-0.000 χ^2/NDF: 10524312565.6/8

- sign 0.675+/-0.000 χ^2/NDF: 5668075452.7/43

yield_bpm4acY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1921339.4/17

Left Out: 0.012+/-0.000 χ^2/NDF:673680.7/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2188525.5/20

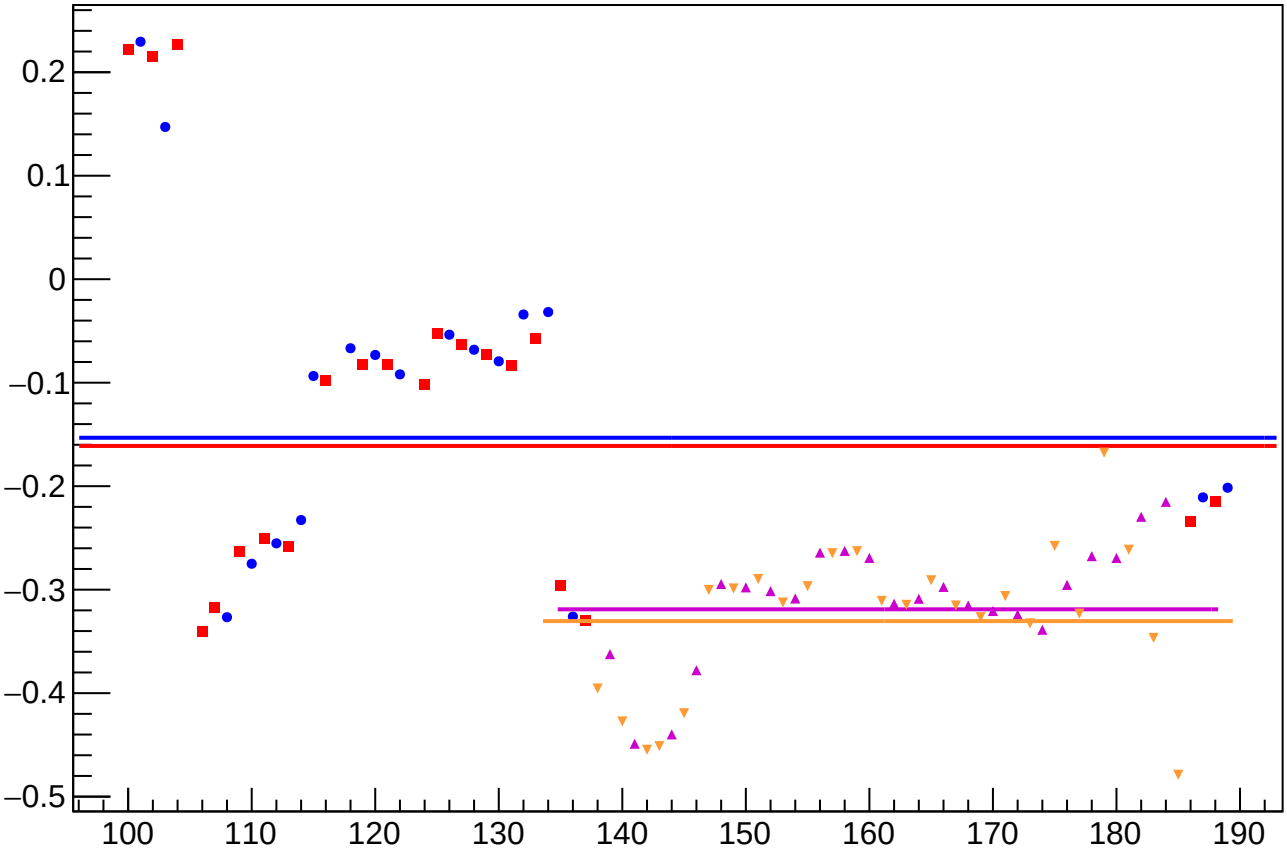
Left In: 0.012+/-0.000 χ^2/NDF:508762.0/22

+ sign 0.012+/-0.000 χ^2/NDF: 2888830.0/42

All: 0.012+/-0.000 χ^2/NDF: 6120666.8/86

- sign 0.012+/-0.000 χ^2/NDF: 3223824.0/43

yield_bpm4ecX_mean vs Slug



Right In: -0.153+/-0.000 χ^2/NDF: 274866656.4/17

Left Out: -0.330+/-0.000 χ^2/NDF:182729419.2/24

Right Out: -0.161+/-0.000 χ^2/NDF: 197647074.7/20

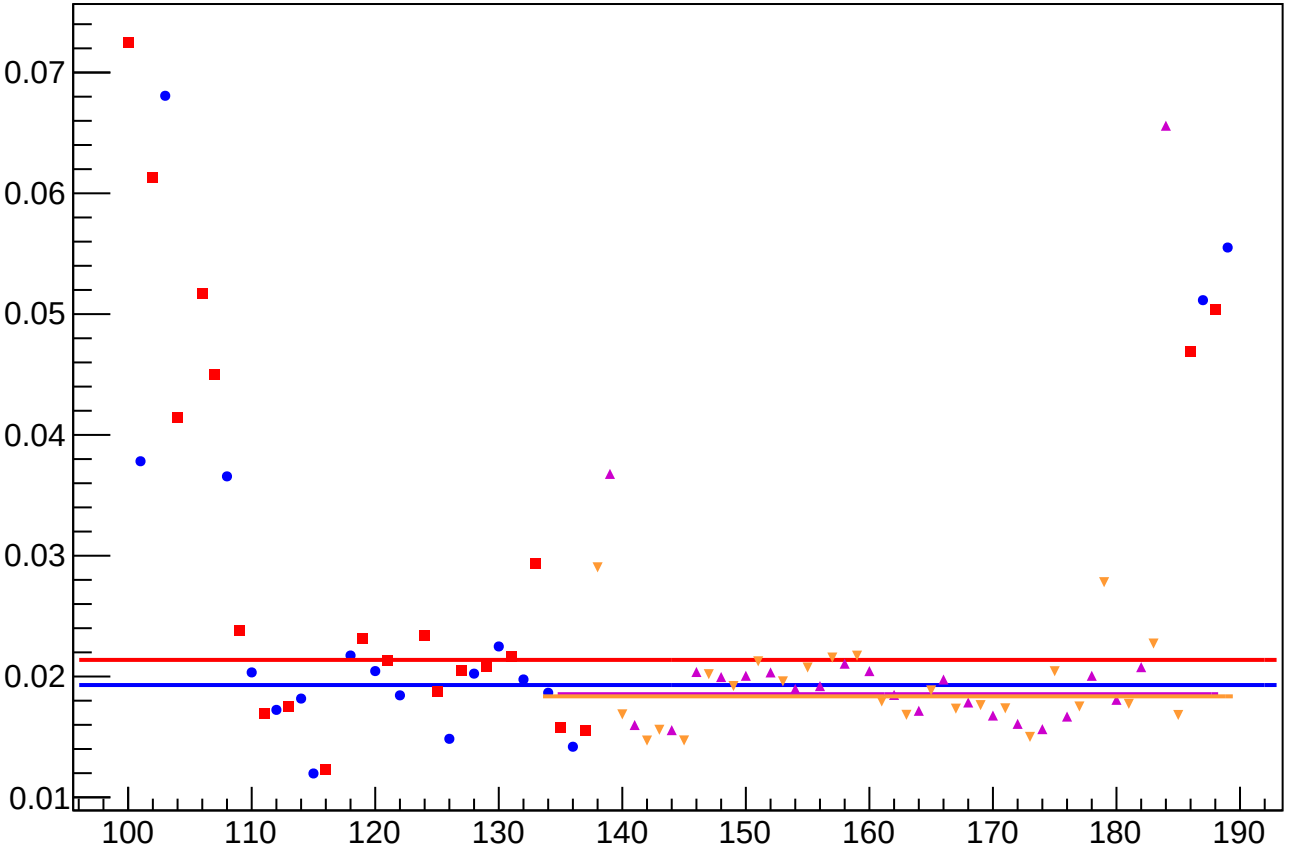
Left In: -0.319+/-0.000 χ^2/NDF:130589173.8/22

+ sign -0.286+/-0.000 χ^2/NDF: 815895208.4/42

All: -0.283+/-0.000 χ^2/NDF: 1404555456.1/8

- sign -0.280+/-0.000 χ^2/NDF: 587658642.7/43

yield_bpm4ecX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF: 1914889.9/17

Left Out: 0.018+/-0.000 χ^2/NDF:737503.8/24

Right Out: 0.021+/-0.000 χ^2/NDF: 2392632.8/20

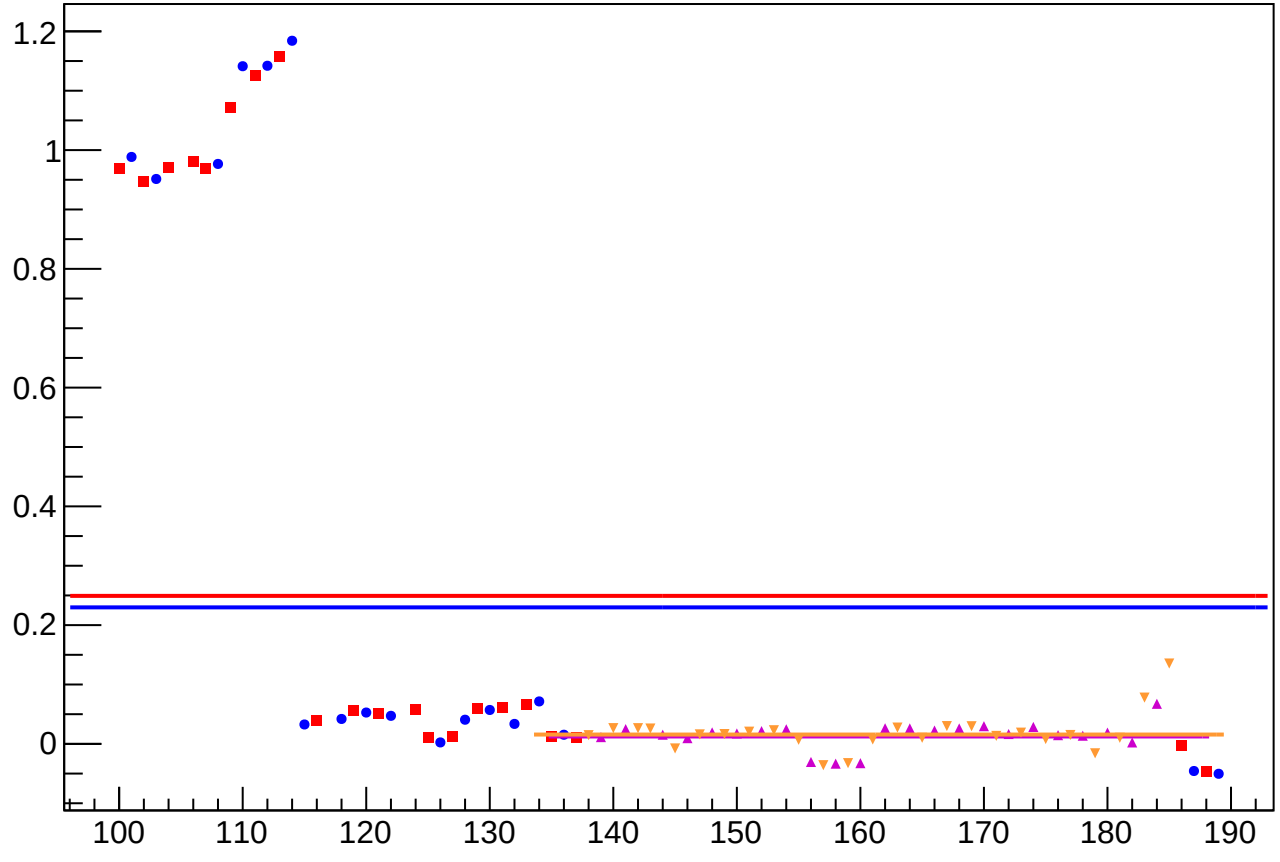
Left In: 0.019+/-0.000 χ^2/NDF:933807.9/22

+ sign 0.019+/-0.000 χ^2/NDF: 2672393.9/42

All: 0.019+/-0.000 χ^2/NDF: 6190587.2/86

- sign 0.019+/-0.000 χ^2/NDF: 3494183.7/43

yield_bpm4ecY_mean vs Slug



Right In: 0.230+/-0.000 χ^2/NDF: 6659482910.6/17

Left Out: 0.016+/-0.000 χ^2/NDF:104485335.8/24

Right Out: 0.249+/-0.000 χ^2/NDF: 7160724743.5/20

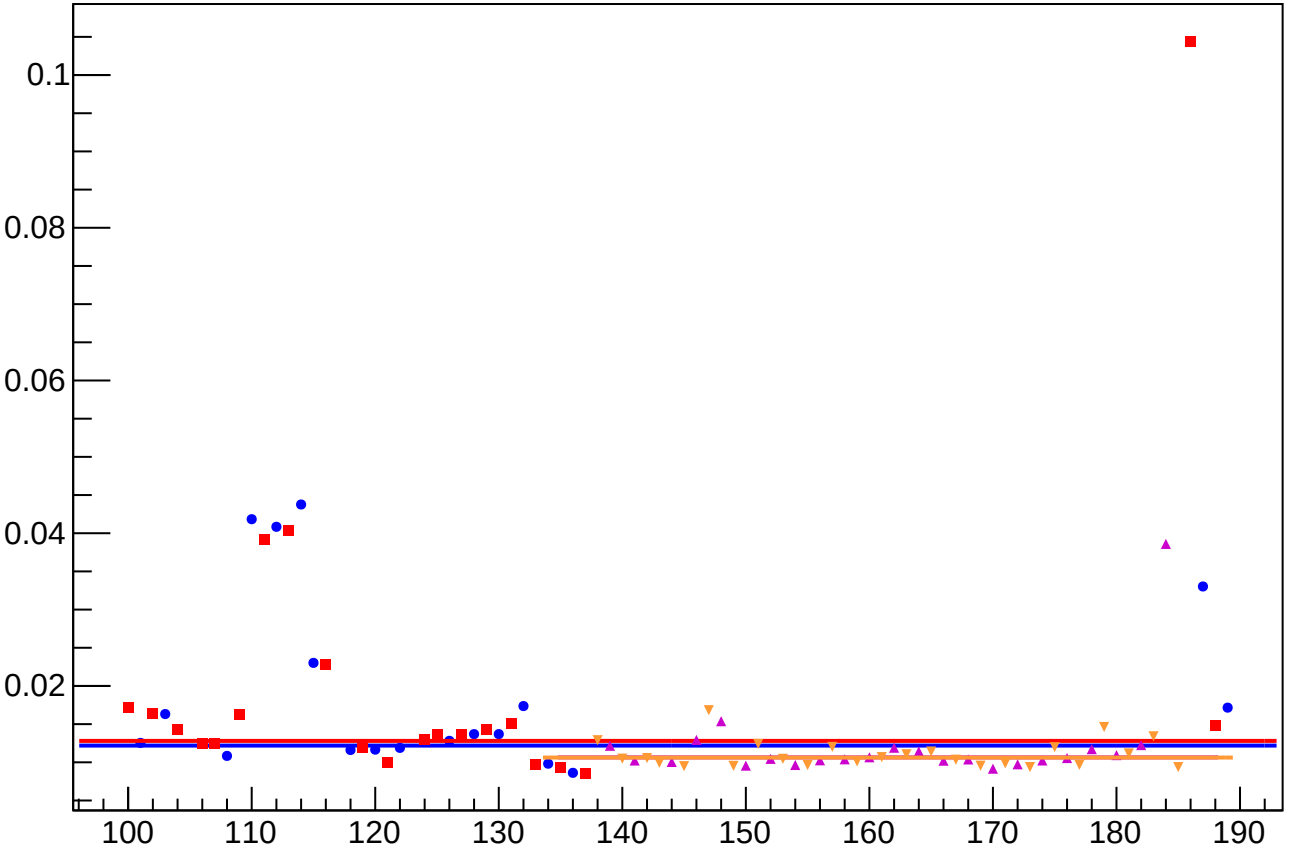
Left In: 0.012+/-0.000 χ^2/NDF:58674739.1/22

+ sign 0.062+/-0.000 χ^2/NDF: 8341943821.8/42

All: 0.064+/-0.000 χ^2/NDF: 17448555502.1/8

- sign 0.066+/-0.000 χ^2/NDF: 9105581668.7/43

yield_bpm4ecY_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 1692135.2/17

Left Out: 0.011+/-0.000 χ^2/NDF:622208.3/24

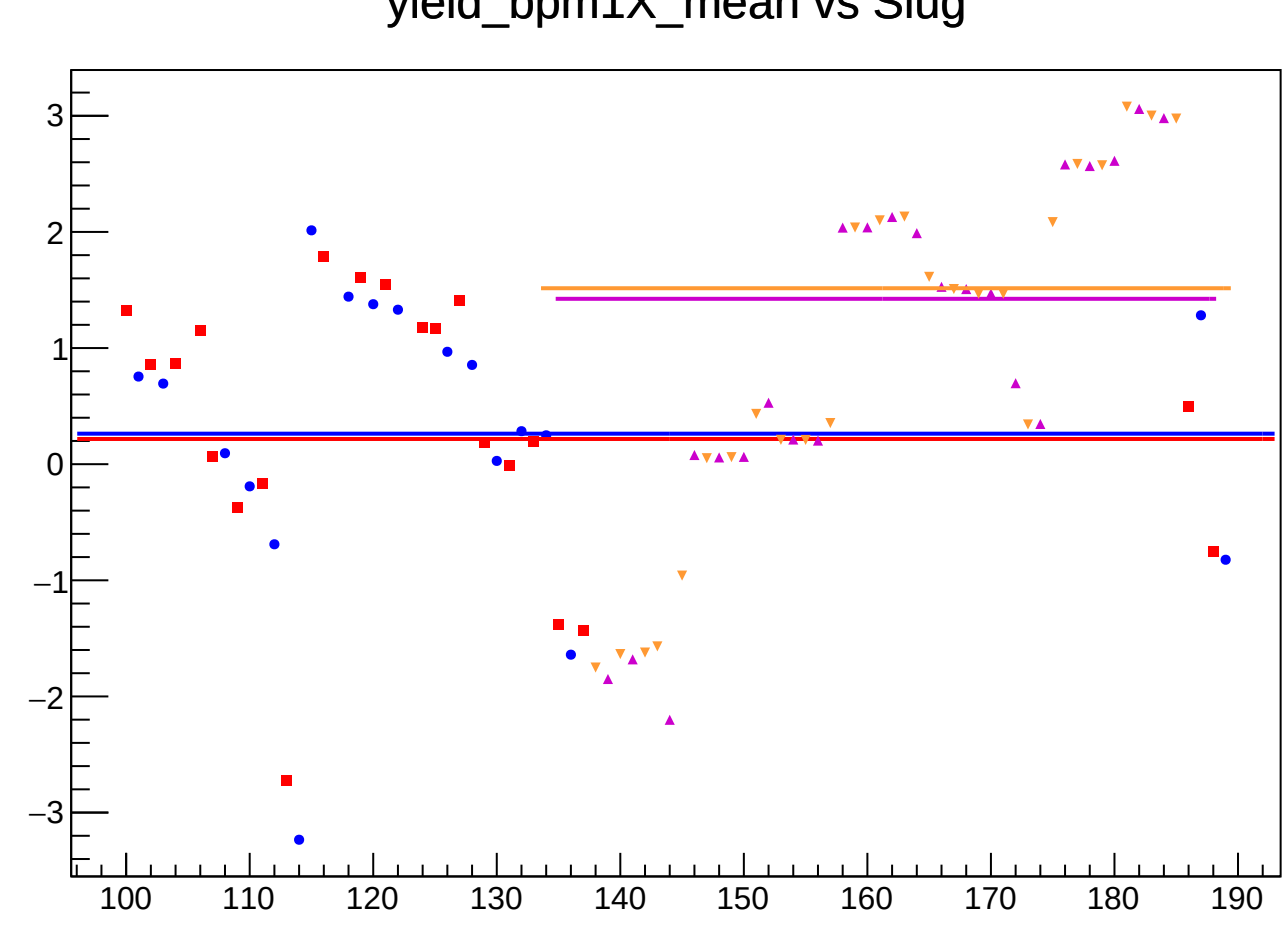
Right Out: 0.013+/-0.000 χ^2/NDF: 2020678.4/20

Left In: 0.011+/-0.000 χ^2/NDF:571950.9/22

+ sign 0.011+/-0.000 χ^2/NDF: 2483640.1/42

All: 0.011+/-0.000 χ^2/NDF: 5396171.6/86

- sign 0.011+/-0.000 χ^2/NDF: 2907284.1/43



Right In: 0.263+/-0.000 χ^2/NDF: 1950850411.4/17

Left Out: 1.515+/-0.000 χ^2/NDF:67789388512.2/24

Right Out: 0.217+/-0.000 χ^2/NDF: 2324599169.5/20

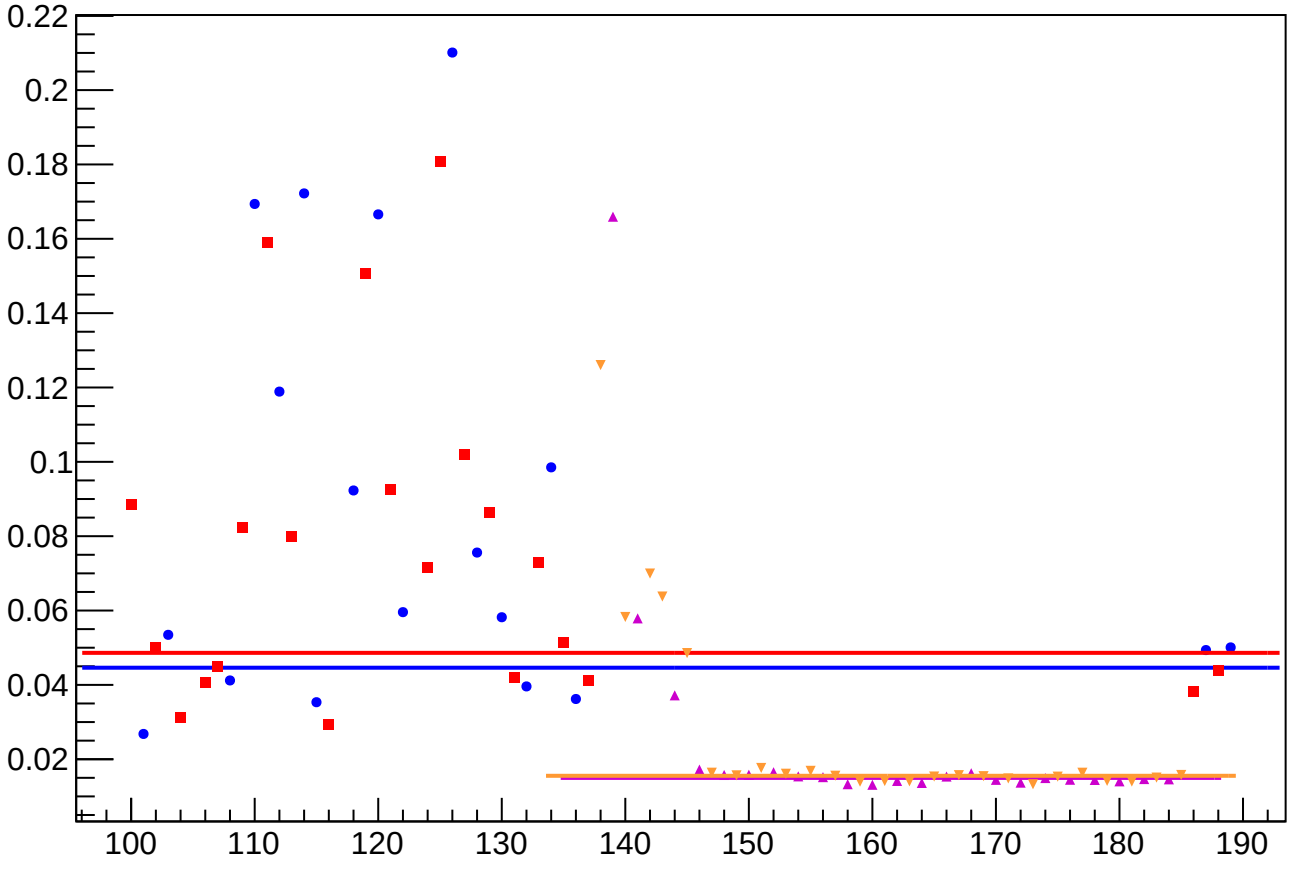
Left In: 1.424+/-0.000 χ^2/NDF:68046262594.0/22

+ sign 1.471+/-0.000 χ^2/NDF: 73113525169.8/42

All: 1.425+/-0.000 χ^2/NDF: 147045417573.2

- sign 1.380+/-0.000 χ^2/NDF: 73670491256.7/43

yield_bpm1X_rms vs Slug



Right In: 0.045+/-0.000 χ^2/NDF: 2802748.3/17

Left Out: 0.016+/-0.000 χ^2/NDF:2984313.0/24

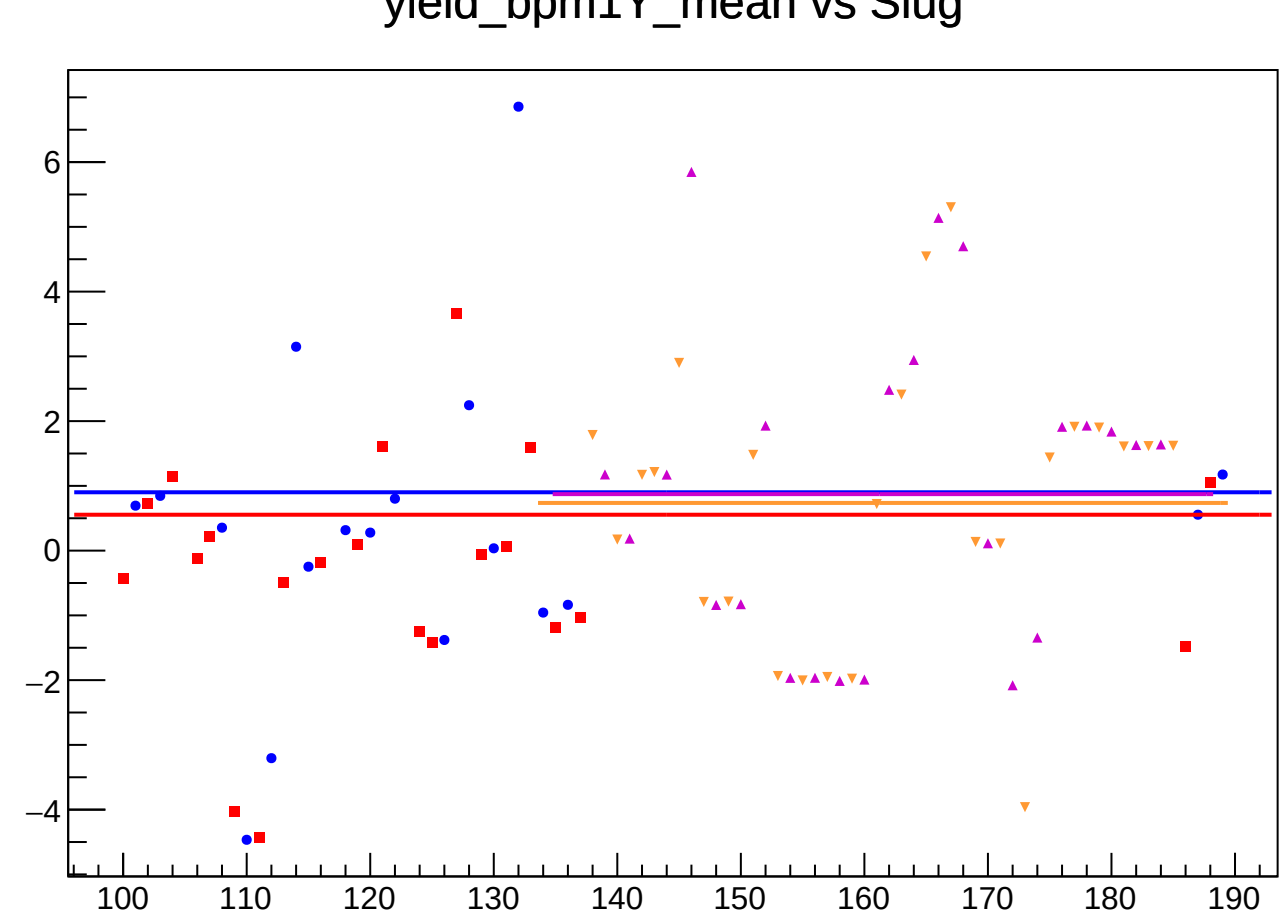
Right Out: 0.049+/-0.000 χ^2/NDF: 2469248.6/20

Left In: 0.015+/-0.000 χ^2/NDF:2182916.7/22

+ sign 0.017+/-0.000 χ^2/NDF: 9422991.9/42

All: 0.016+/-0.000 χ^2/NDF: 19211211.0/86

- sign 0.016+/-0.000 χ^2/NDF: 9779264.6/43



Right In: 0.901+/-0.000 χ^2/NDF: 11650784719.0/17

Left Out: 0.737+/-0.000 χ^2/NDF:535962480112.3/24

Right Out: 0.554+/-0.000 χ^2/NDF: 5505732919.5/20

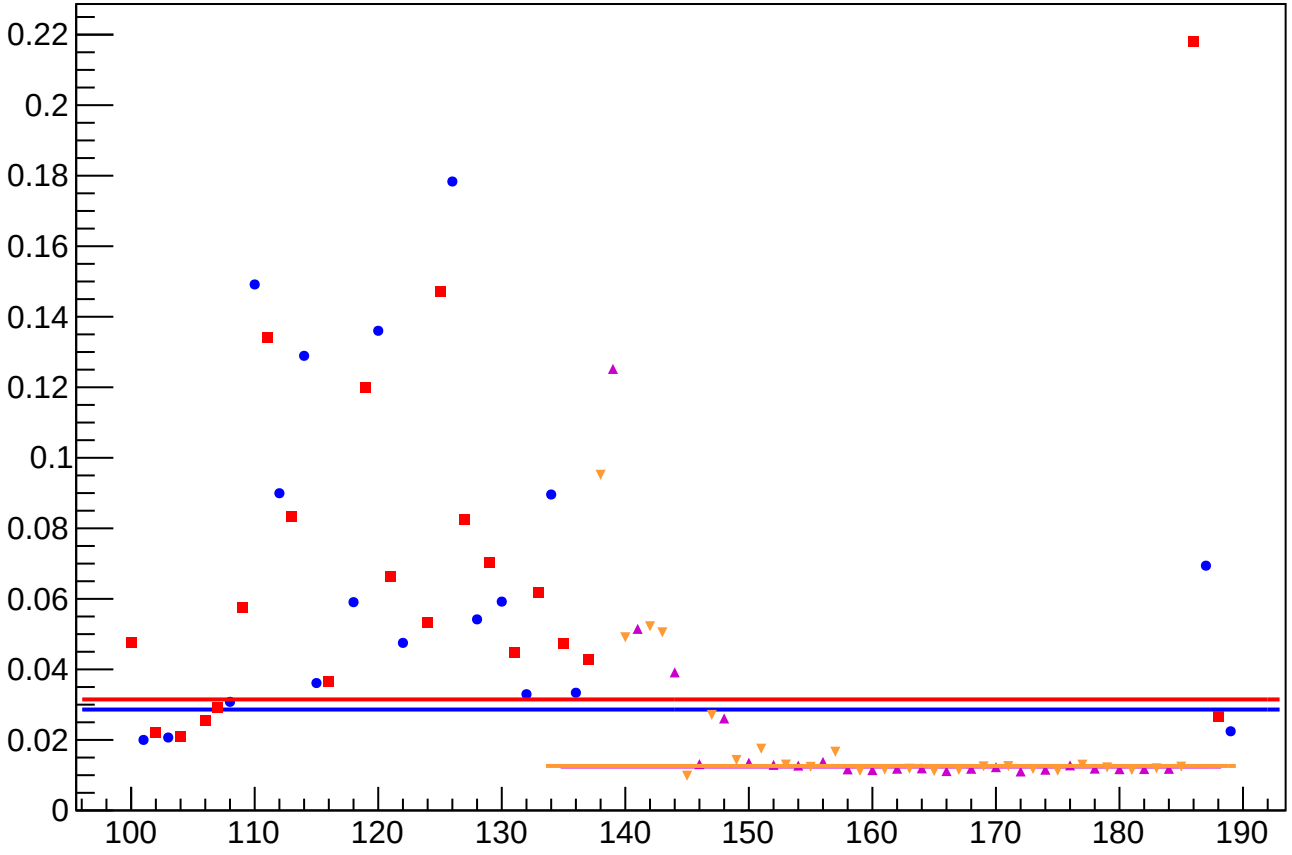
Left In: 0.872+/-0.000 χ^2/NDF:620161319368.2/22

+ sign 0.745+/-0.000 χ^2/NDF: 547744612768.8/42

All: 0.801+/-0.000 χ^2/NDF: 1174555479558.

- sign 0.857+/-0.000 χ^2/NDF: 626151621752.0/43

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF: 3379821.4/17

Left Out: 0.013+/-0.000 χ^2/NDF:3191407.4/24

Right Out: 0.031+/-0.000 χ^2/NDF: 3929743.6/20

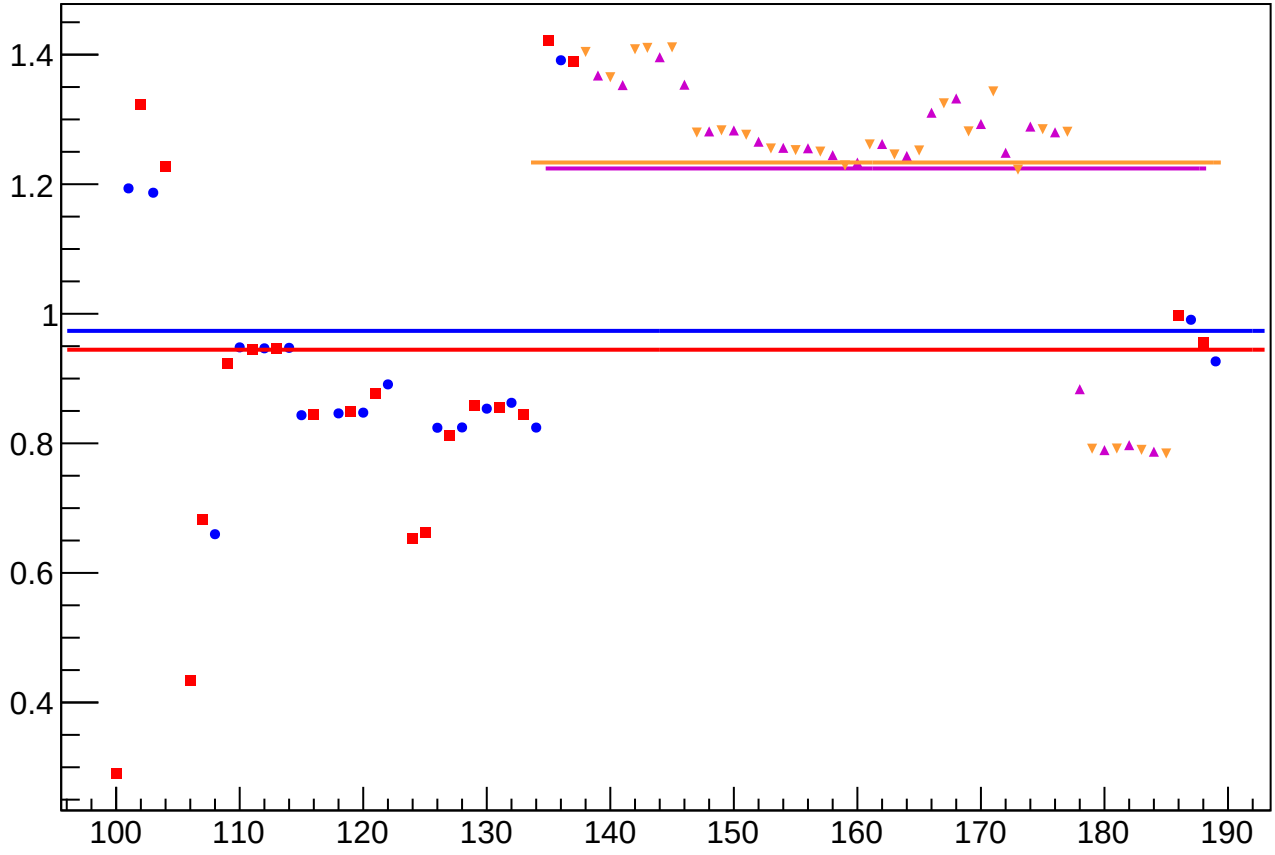
Left In: 0.012+/-0.000 χ^2/NDF:2756702.2/22

+ sign 0.013+/-0.000 χ^2/NDF: 9051253.0/42

All: 0.013+/-0.000 χ^2/NDF: 19206546.1/86

- sign 0.013+/-0.000 χ^2/NDF: 10155215.4/43

yield_bpm11X_mean vs Slug



Right In: 0.974+/-0.000 χ^2/NDF: 1460350690.1/17

Left Out: 1.234+/-0.000 χ^2/NDF:3043934887.1/24

Right Out: 0.945+/-0.000 χ^2/NDF: 1672213201.3/20

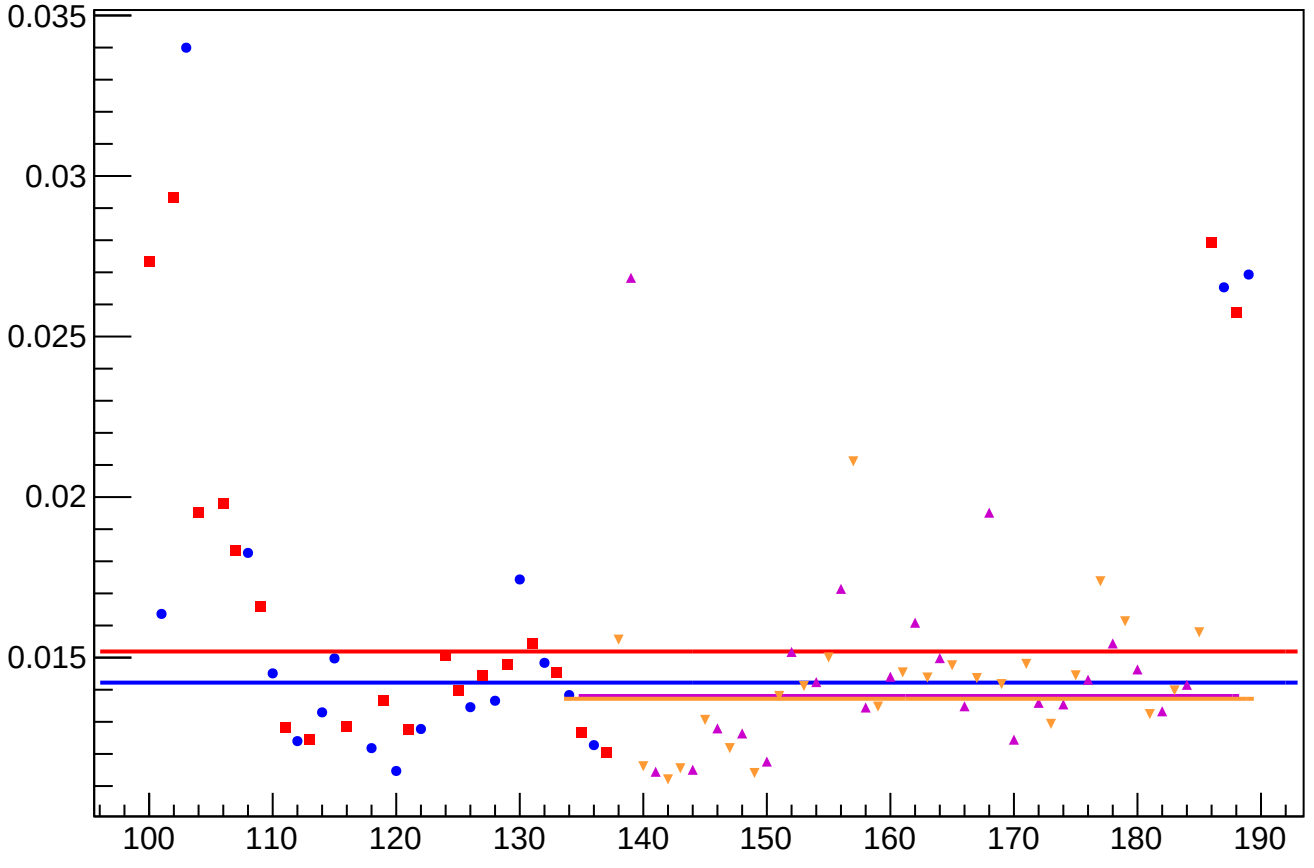
Left In: 1.224+/-0.000 χ^2/NDF:2653773297.1/22

+ sign 1.163+/-0.000 χ^2/NDF: 6146908240.8/42

All: 1.155+/-0.000 χ^2/NDF: 12327952595.1/8

- sign 1.147+/-0.000 χ^2/NDF: 6165118968.6/43

yield_bpm11X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 904184.3/17

Left Out: 0.014+/-0.000 χ^2/NDF:550789.3/24

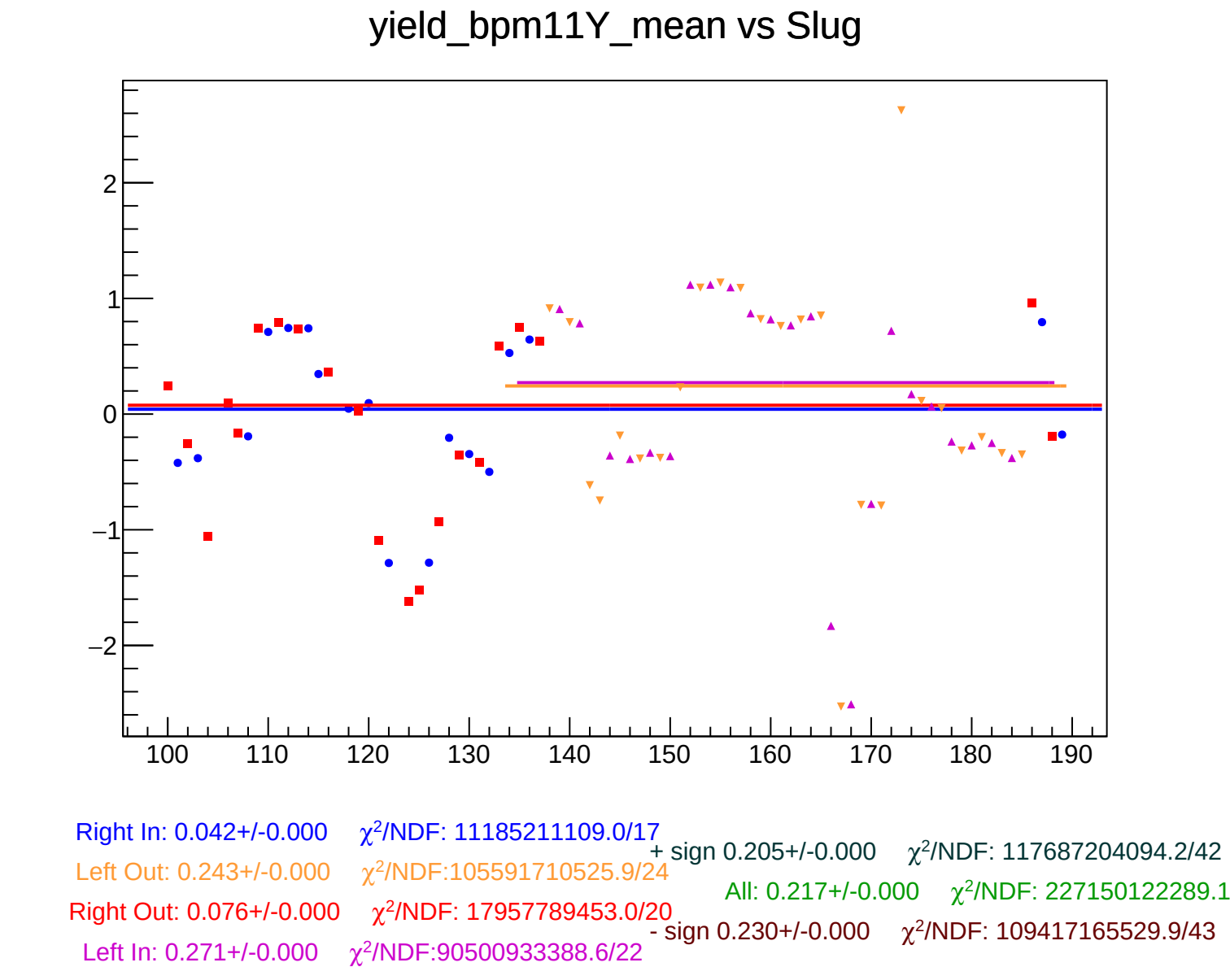
Right Out: 0.015+/-0.000 χ^2/NDF: 1051267.1/20

Left In: 0.014+/-0.000 χ^2/NDF:870104.2/22

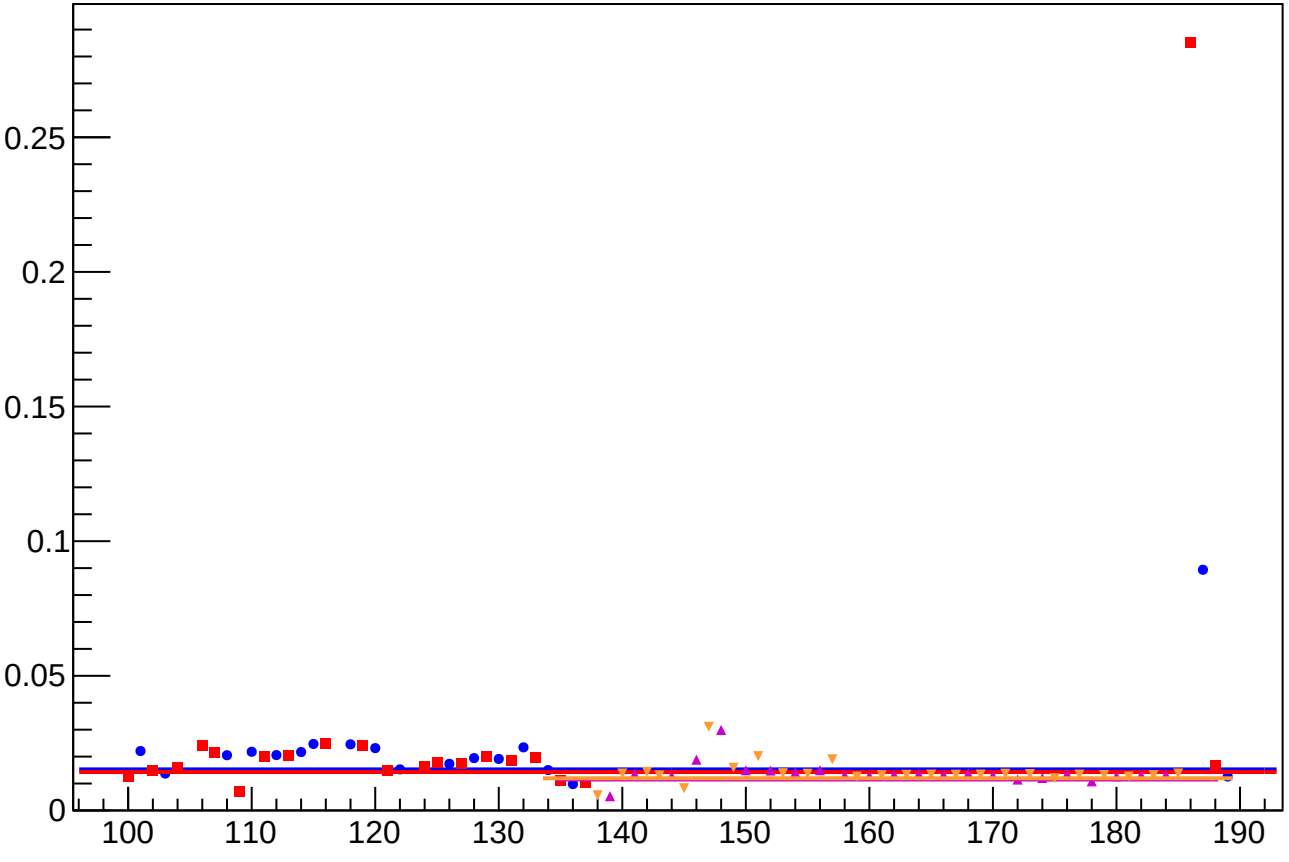
+ sign 0.014+/-0.000 χ^2/NDF: 1467301.4/42

All: 0.014+/-0.000 χ^2/NDF: 3492300.6/86

- sign 0.014+/-0.000 χ^2/NDF: 2011631.2/43


yield_bpm11Y_mean vs Slug
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
190
Right In: 0.042+/-0.000 χ²/NDF: 11185211109.0/17
Left Out: 0.243+/-0.000 χ²/NDF:105591710525.9/24
Right Out: 0.076+/-0.000 χ²/NDF: 17957789453.0/20
Left In: 0.271+/-0.000 χ²/NDF:90500933388.6/22
+ sign 0.205+/-0.000 χ²/NDF: 117687204094.2/42
All: 0.217+/-0.000 χ²/NDF: 227150122289.1
- sign 0.230+/-0.000 χ²/NDF: 109417165529.9/43

yield_bpm11Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 1576594.8/17

Left Out: 0.012+/-0.000 χ^2/NDF:3266034.8/24

Right Out: 0.014+/-0.000 χ^2/NDF: 2401397.6/20

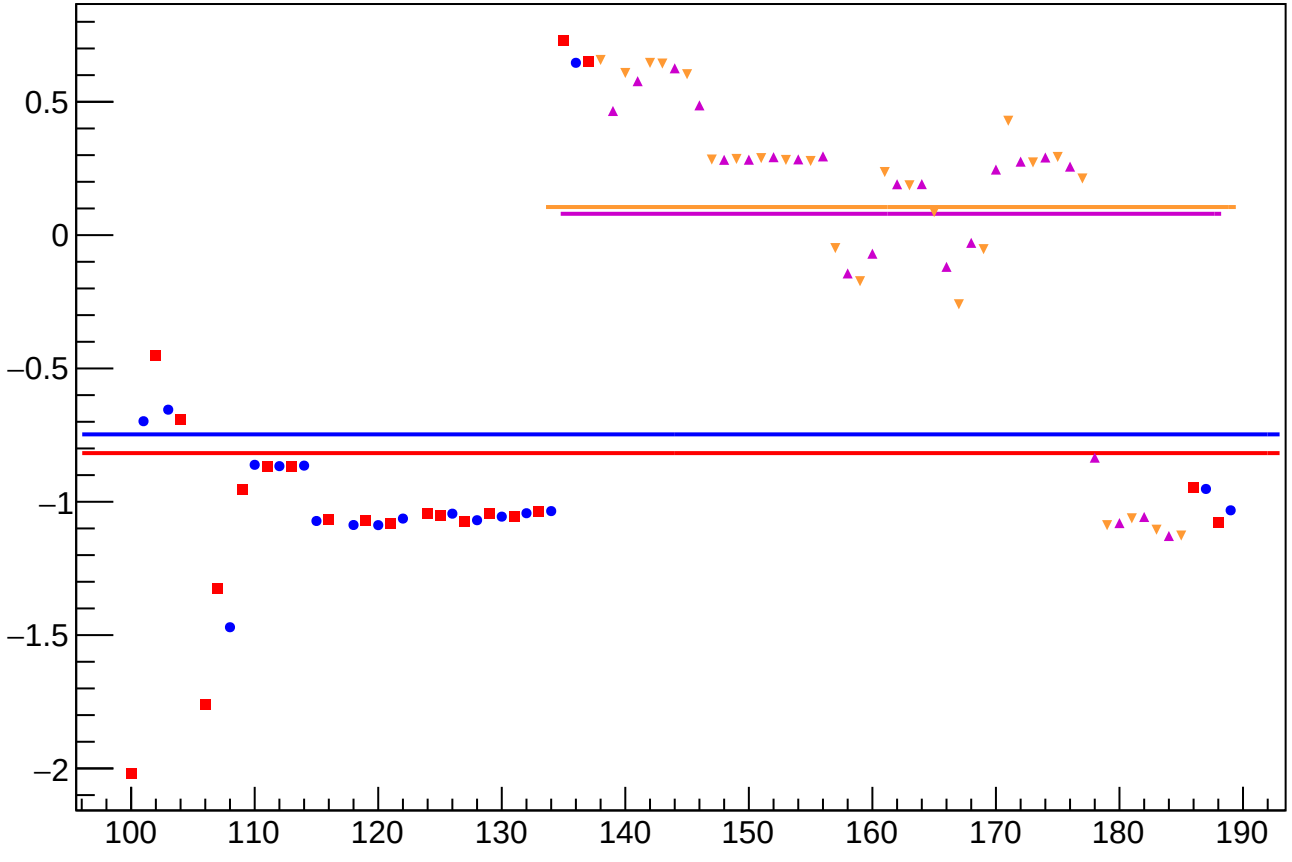
Left In: 0.011+/-0.000 χ^2/NDF:3671096.5/22

+ sign 0.013+/-0.000 χ^2/NDF: 5330188.2/42

All: 0.012+/-0.000 χ^2/NDF: 11828244.3/86

- sign 0.012+/-0.000 χ^2/NDF: 6461671.7/43

yield_bpm12X_mean vs Slug



Right In: -0.747+/-0.000 χ^2/NDF: 2087351981.9/17

Left Out: 0.105+/-0.000 χ^2/NDF:3787188881.7/24

Right Out: -0.817+/-0.000 χ^2/NDF: 1907687953.0/20

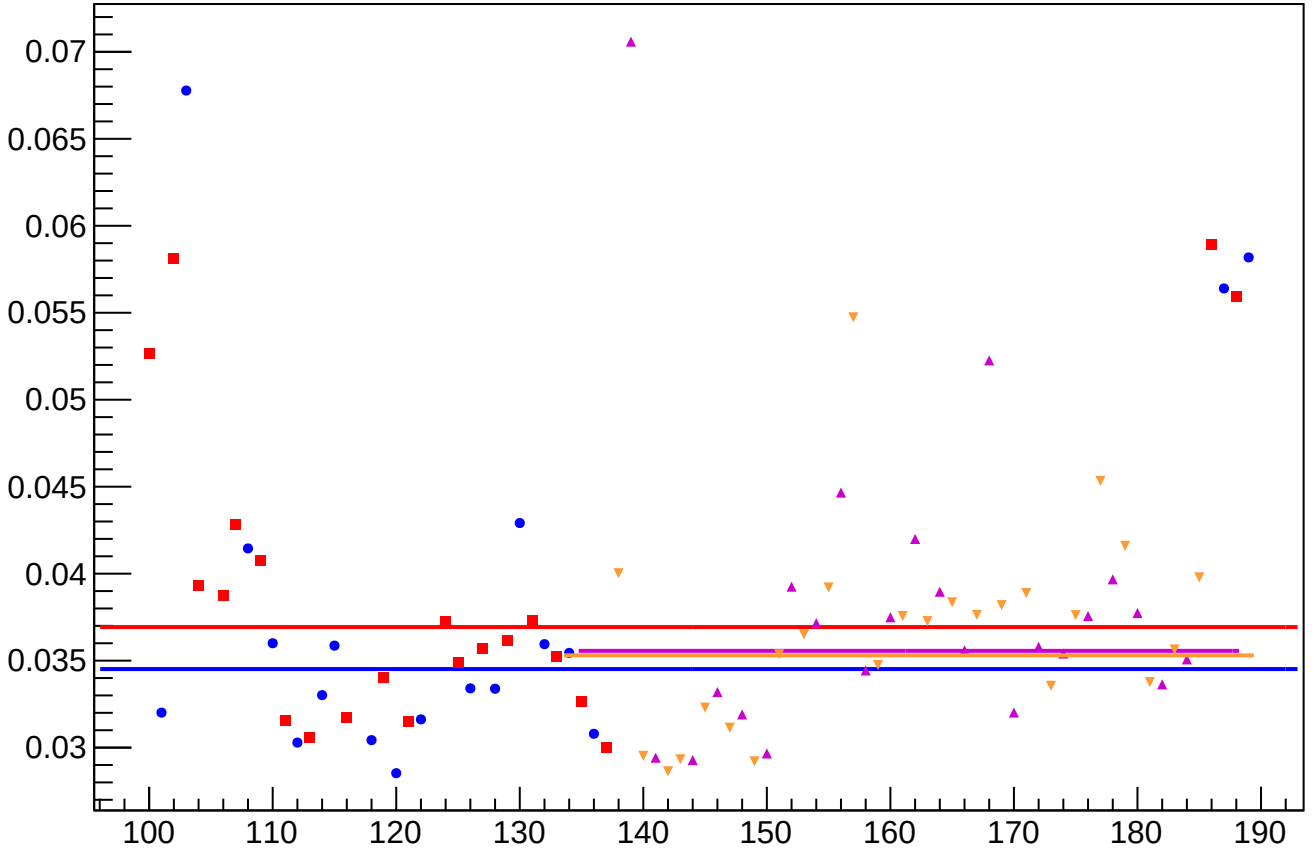
Left In: 0.080+/-0.000 χ^2/NDF:3269598614.0/22

+ sign -0.150+/-0.000 χ^2/NDF: 8806528467.4/42

All: -0.171+/-0.000 χ^2/NDF: 17126515043.4/

- sign -0.194+/-0.000 χ^2/NDF: 8301711230.0/43

yield_bpm12X_rms vs Slug



Right In: 0.035+/-0.000 χ^2/NDF: 641982.3/17

Left Out: 0.035+/-0.000 χ^2/NDF:612627.1/24

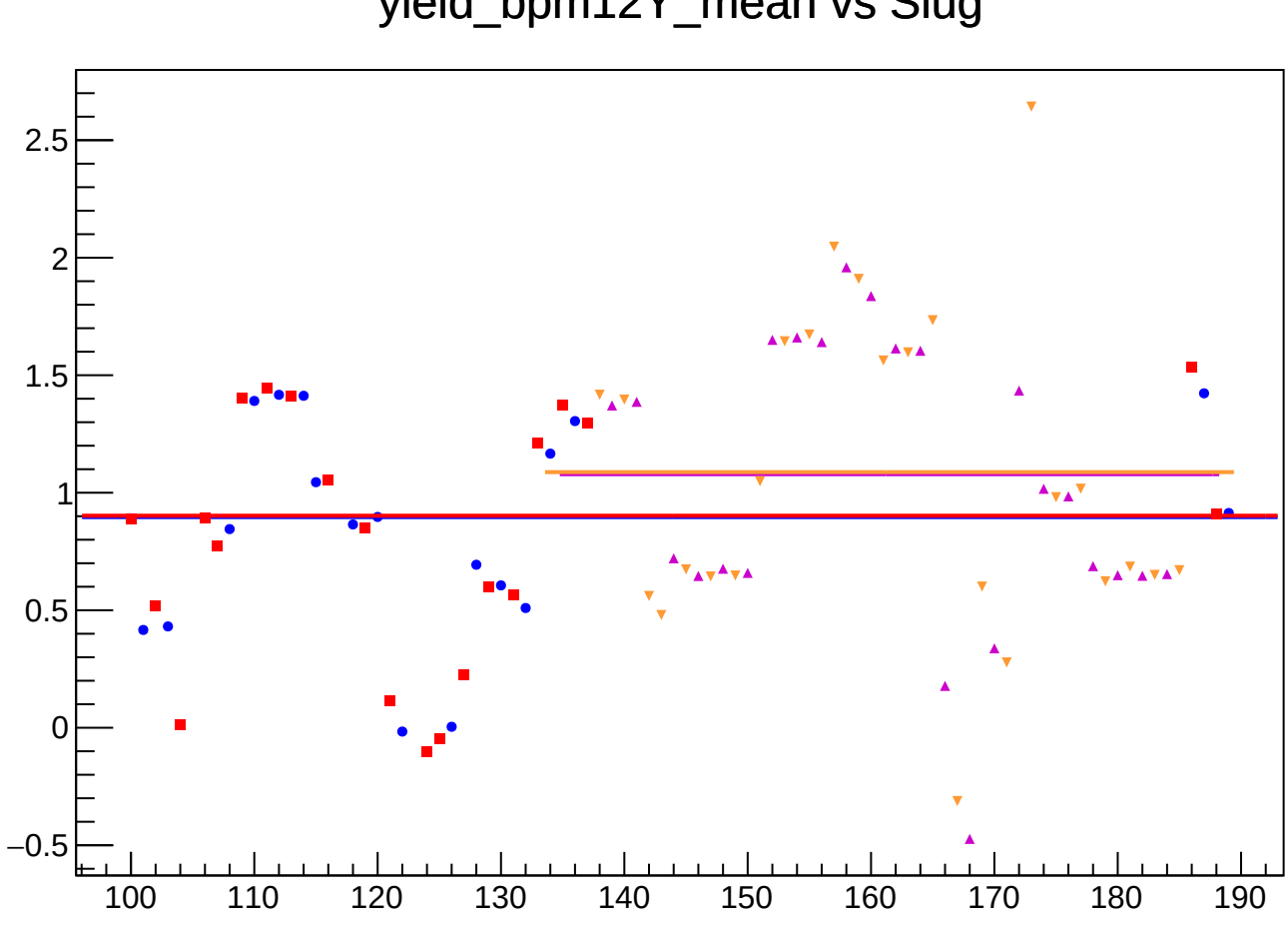
Right Out: 0.037+/-0.000 χ^2/NDF: 644830.6/20

Left In: 0.036+/-0.000 χ^2/NDF:960383.5/22

+ sign 0.035+/-0.000 χ^2/NDF: 1259618.9/42

All: 0.036+/-0.000 χ^2/NDF: 2894928.6/86

- sign 0.036+/-0.000 χ^2/NDF: 1619711.0/43



Right In: 0.896+/-0.000 χ^2/NDF: 12765096012.7/17

Left Out: 1.088+/-0.000 χ^2/NDF:93851056436.3/24

Right Out: 0.902+/-0.000 χ^2/NDF: 17897493613.8/20

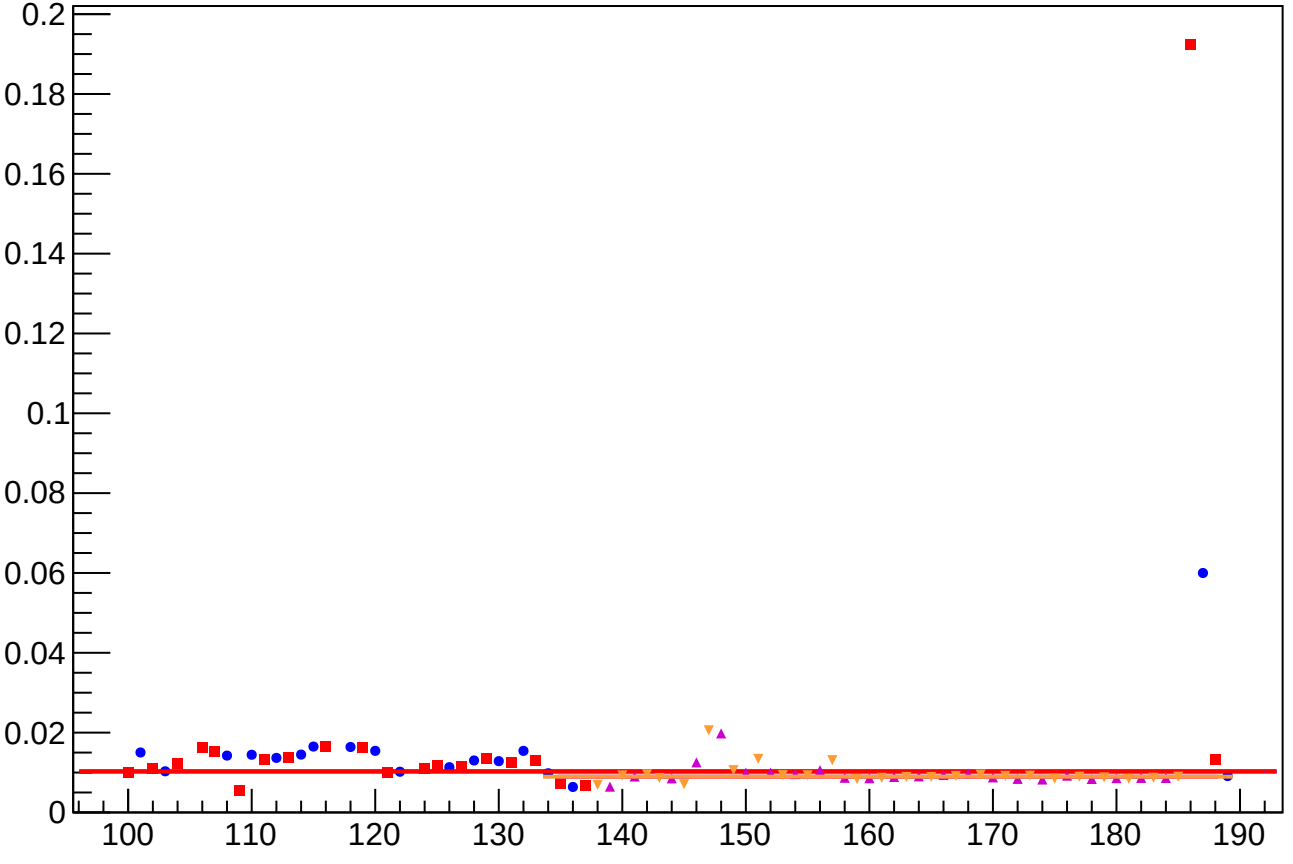
Left In: 1.079+/-0.000 χ^2/NDF:74081002727.0/22

+ sign 1.047+/-0.000 χ^2/NDF: 108367271702.0/42

All: 1.042+/-0.000 χ^2/NDF: 201889279532.4

- sign 1.038+/-0.000 χ^2/NDF: 93510261829.9/43

yield_bpm12Y_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 1607547.2/17

Left Out: 0.009+/-0.000 χ^2/NDF:1146497.6/24

Right Out: 0.010+/-0.000 χ^2/NDF: 2087315.3/20

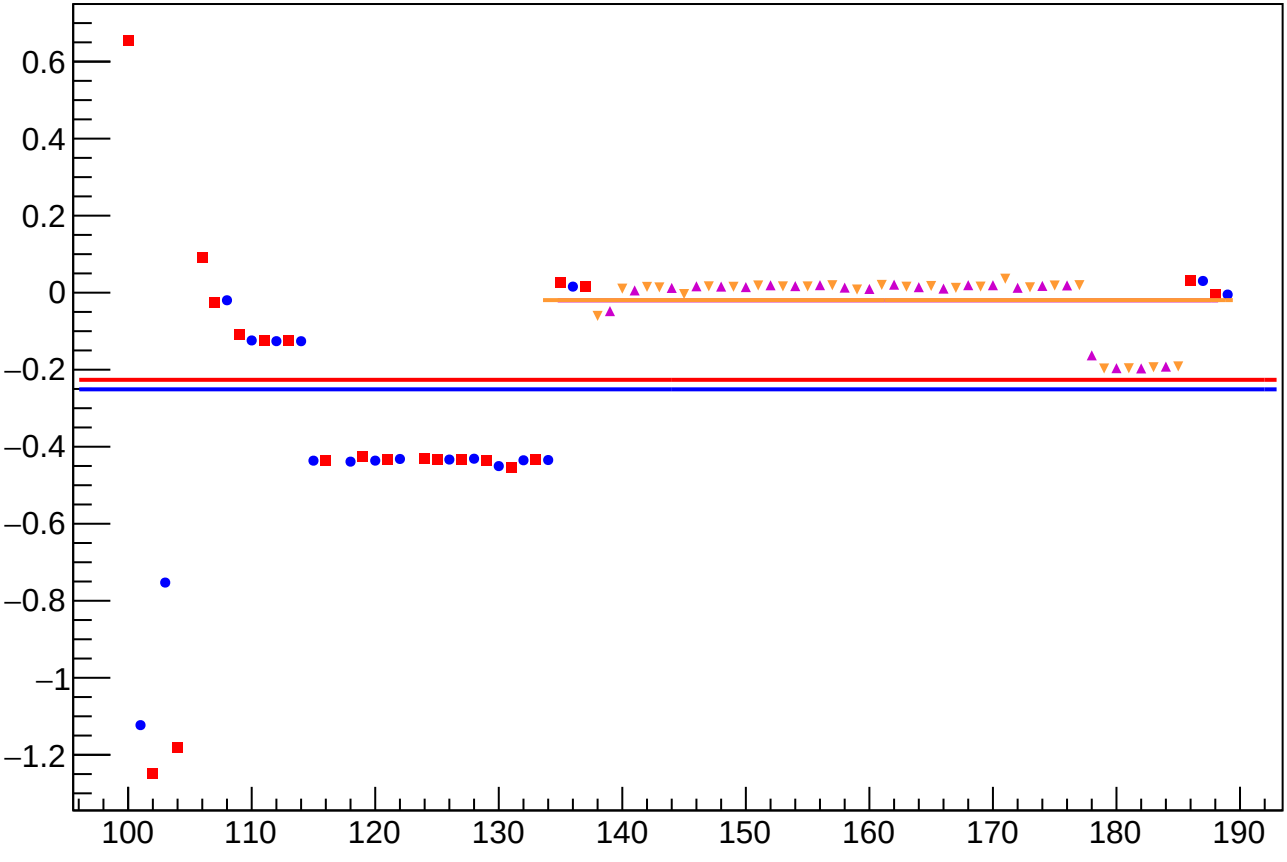
Left In: 0.009+/-0.000 χ^2/NDF:966765.2/22

+ sign 0.009+/-0.000 χ^2/NDF: 2917664.8/42

All: 0.009+/-0.000 χ^2/NDF: 6143165.9/86

- sign 0.009+/-0.000 χ^2/NDF: 3225499.7/43

yield_bpm16X_mean vs Slug



Right In: -0.251+/-0.000 χ^2/NDF: 2042779196.7/17

Left Out: -0.019+/-0.000 χ^2/NDF:1058597672.8/24

Right Out: -0.226+/-0.000 χ^2/NDF: 1843859755.7/20

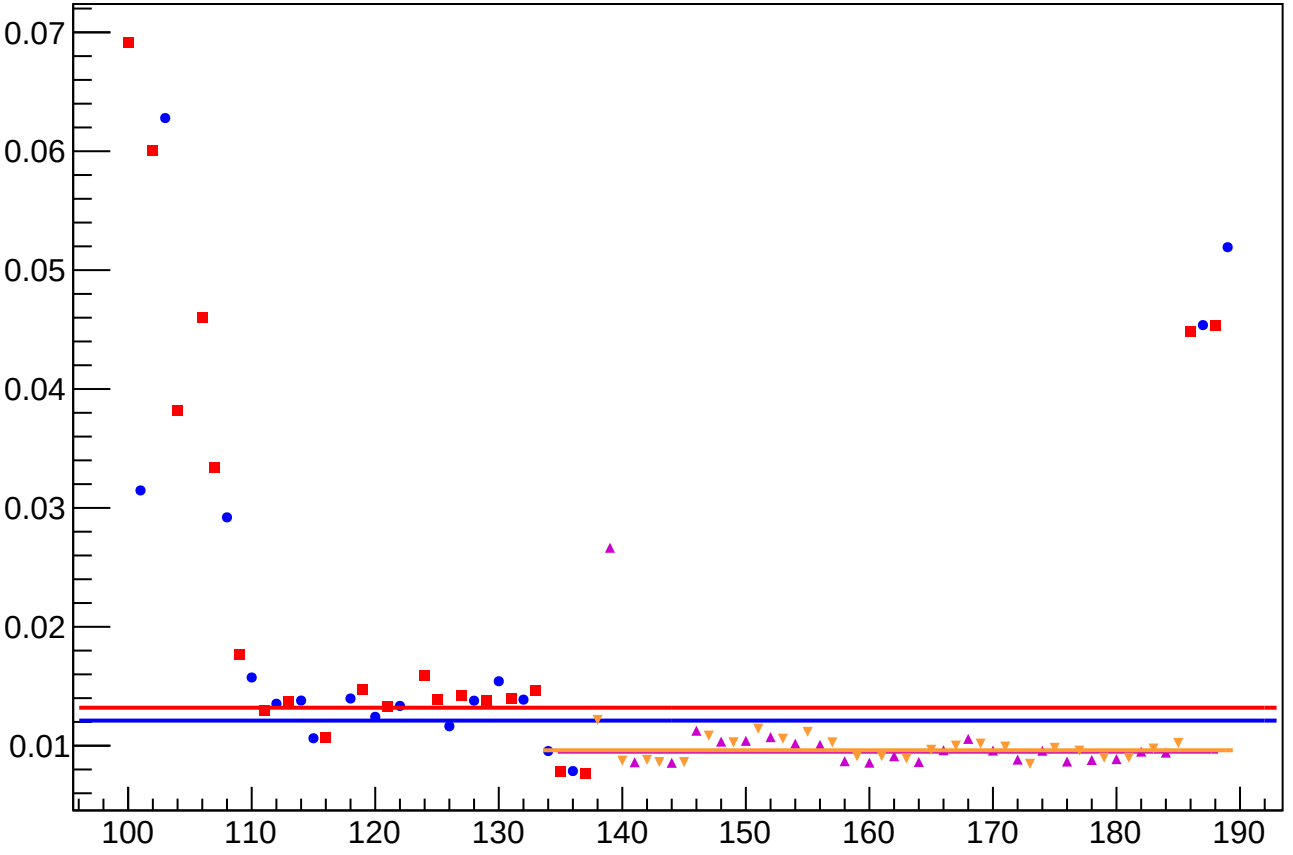
Left In: -0.020+/-0.000 χ^2/NDF:984483299.5/22

+ sign -0.058+/-0.000 χ^2/NDF: 4699454905.1/42

All: -0.056+/-0.000 χ^2/NDF: 8685607929.5/8

- sign -0.053+/-0.000 χ^2/NDF: 3983638003.5/43

yield_bpm16X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 2694657.9/17

Left Out: 0.010+/-0.000 χ^2/NDF:271912.7/24

Right Out: 0.013+/-0.000 χ^2/NDF: 3534975.5/20

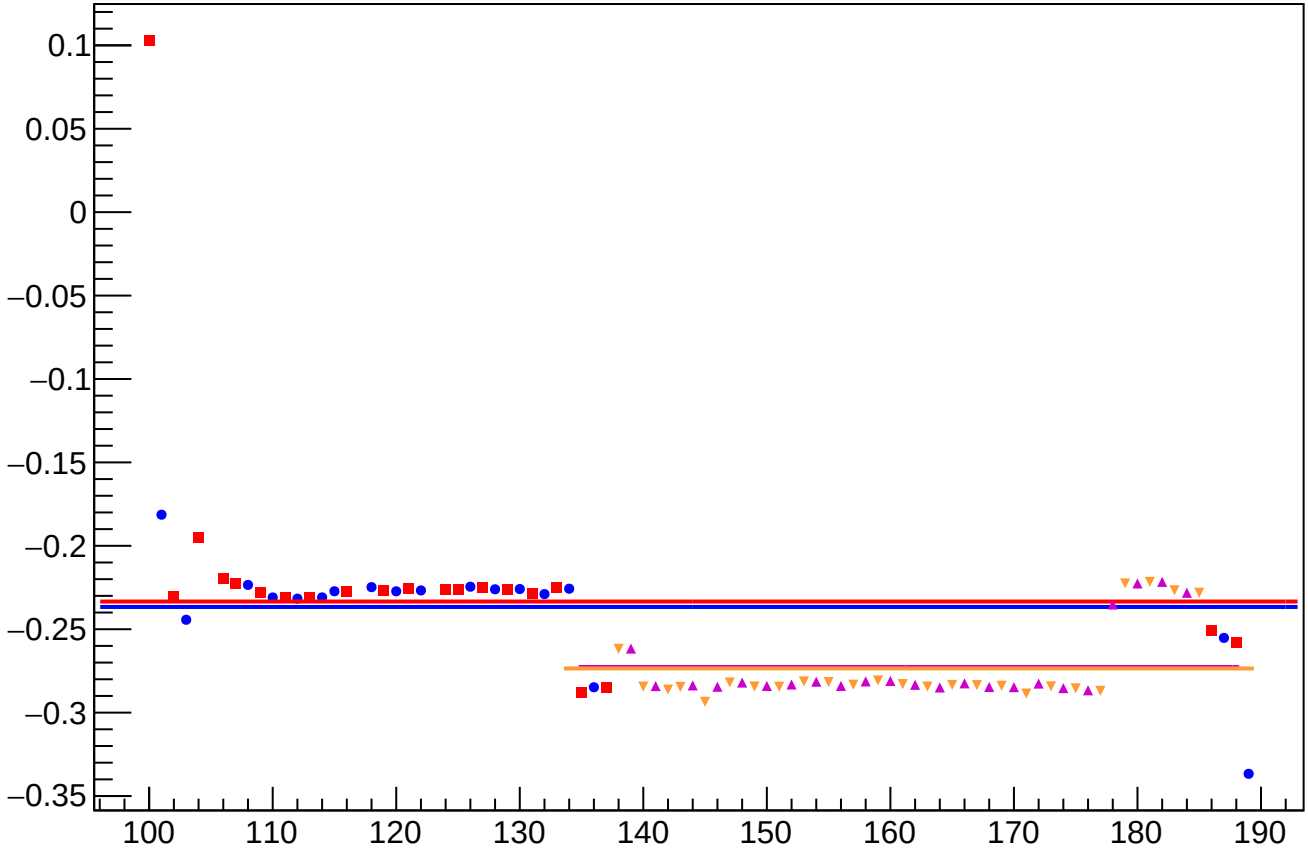
Left In: 0.009+/-0.000 χ^2/NDF:900469.0/22

+ sign 0.010+/-0.000 χ^2/NDF: 3337247.7/42

All: 0.010+/-0.000 χ^2/NDF: 8516491.1/86

- sign 0.010+/-0.000 χ^2/NDF: 5178537.6/43

yield_bpm16Y_mean vs Slug



Right In: -0.237+/-0.000 χ^2/NDF: 301196851.7/17

Left Out: -0.274+/-0.000 χ^2/NDF:395563277.1/24

Right Out: -0.233+/-0.000 χ^2/NDF: 300173928.0/20

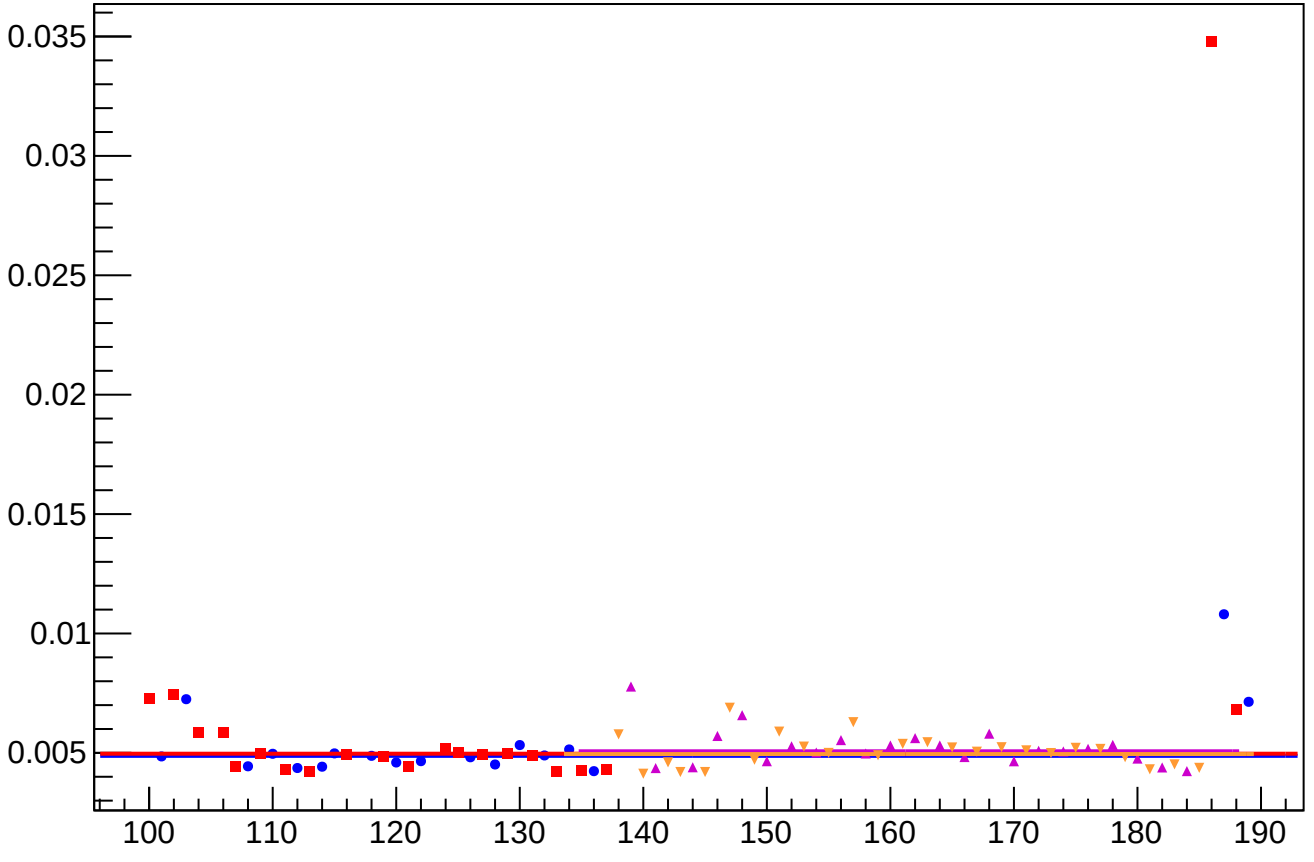
Left In: -0.273+/-0.000 χ^2/NDF:335149425.2/22

+ sign -0.263+/-0.000 χ^2/NDF: 982868595.5/42

All: -0.262+/-0.000 χ^2/NDF: 1947760934.6/8

- sign -0.260+/-0.000 χ^2/NDF: 960936750.6/43

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 403908.3/17

Left Out: 0.005+/-0.000 χ^2/NDF:528766.8/24

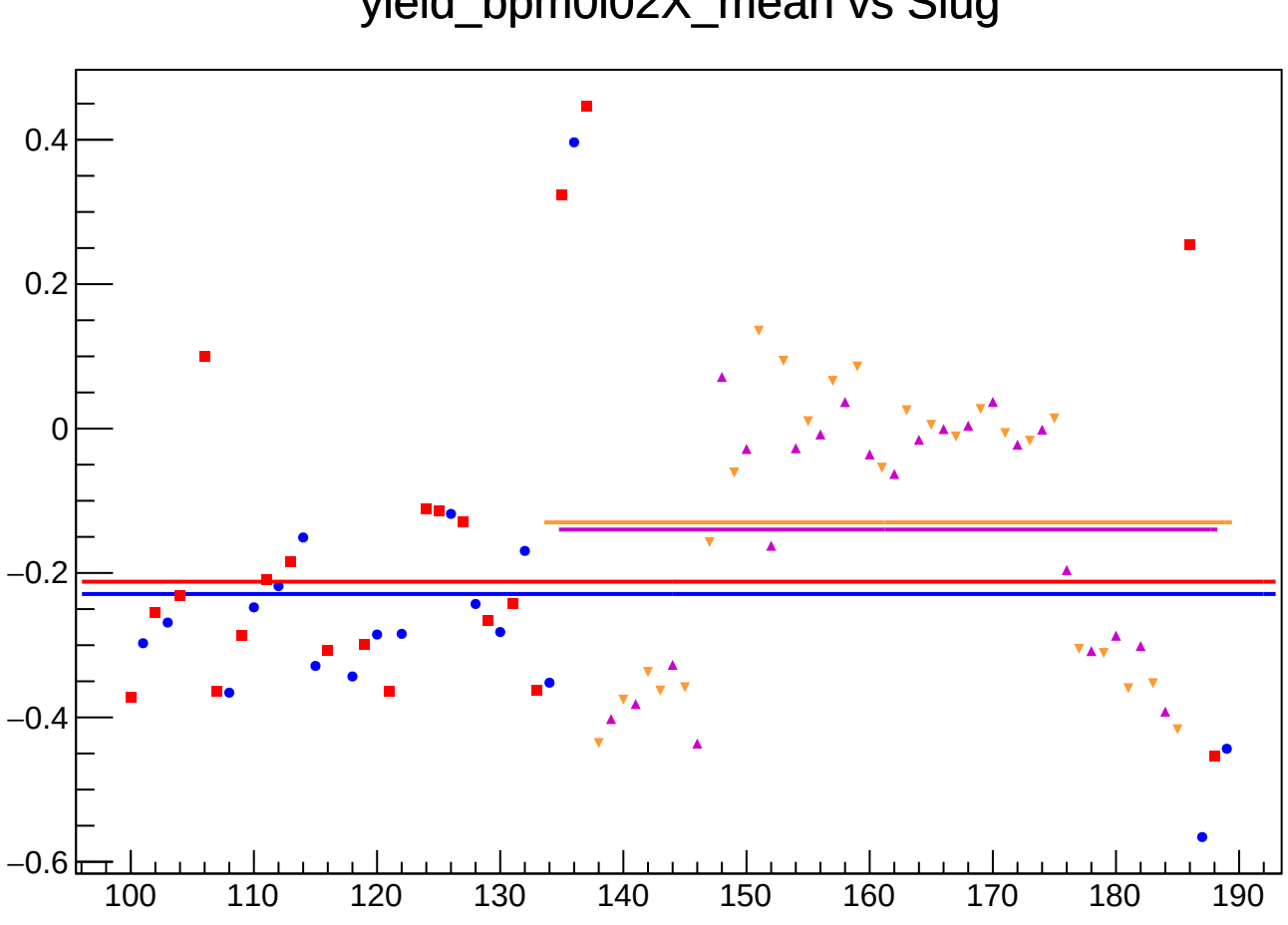
Right Out: 0.005+/-0.000 χ^2/NDF: 1005817.8/20

Left In: 0.005+/-0.000 χ^2/NDF:539392.8/22

+ sign 0.005+/-0.000 χ^2/NDF: 934988.8/42

All: 0.005+/-0.000 χ^2/NDF: 2495742.8/86

- sign 0.005+/-0.000 χ^2/NDF: 1549565.8/43



Right In: -0.229+/-0.000 χ^2/NDF: 7157958362.6/17

Left Out: -0.130+/-0.000 χ^2/NDF:21496239338.5/24

Right Out: -0.212+/-0.000 χ^2/NDF: 8159944277.3/20

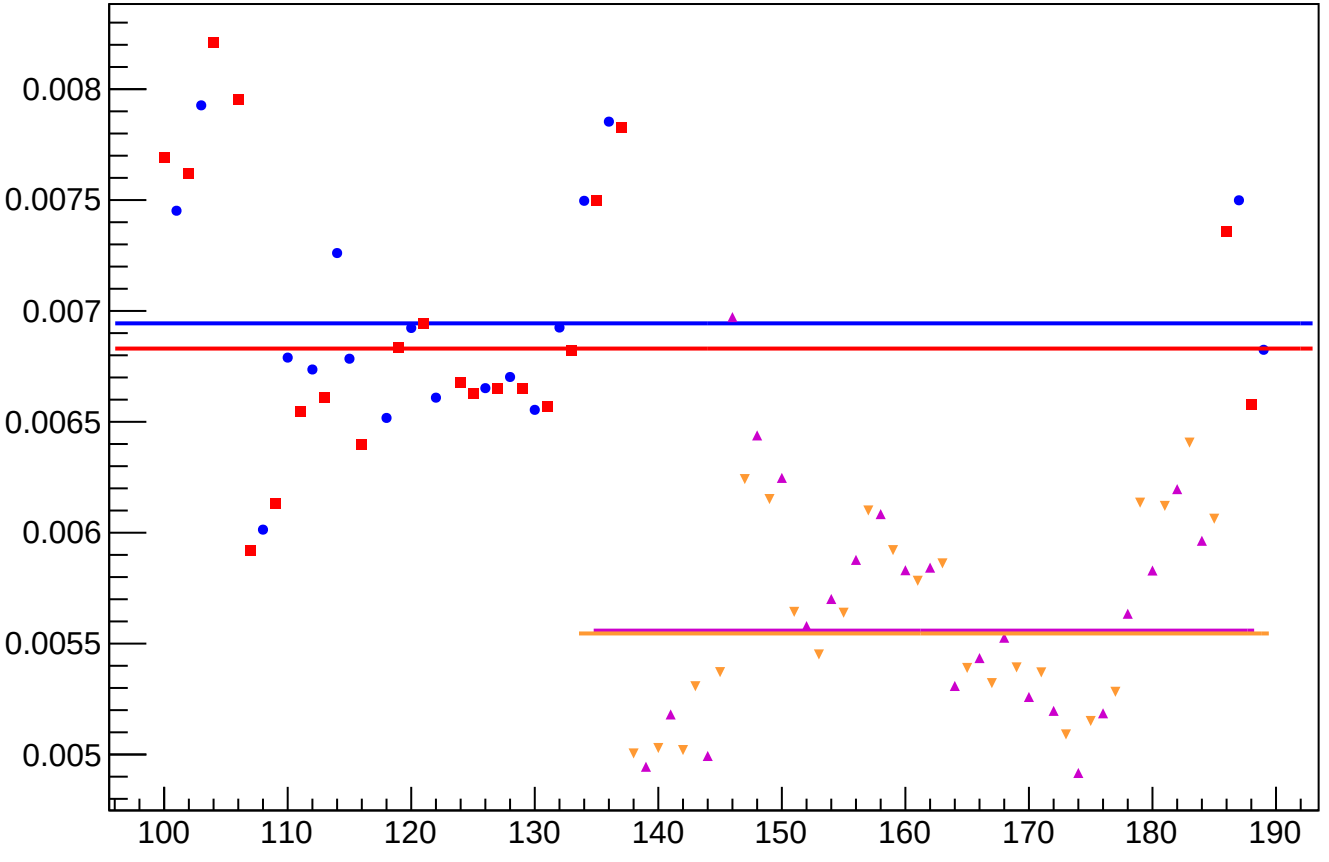
Left In: -0.140+/-0.000 χ^2/NDF:15148699439.4/22

+ sign -0.151+/-0.000 χ^2/NDF: 29898296844.3/42

All: -0.154+/-0.000 χ^2/NDF: 53944294644.4/

- sign -0.158+/-0.000 χ^2/NDF: 24028866605.4/43

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 87486.7/17

Left Out: 0.006+/-0.000 χ^2/NDF:201874.8/24

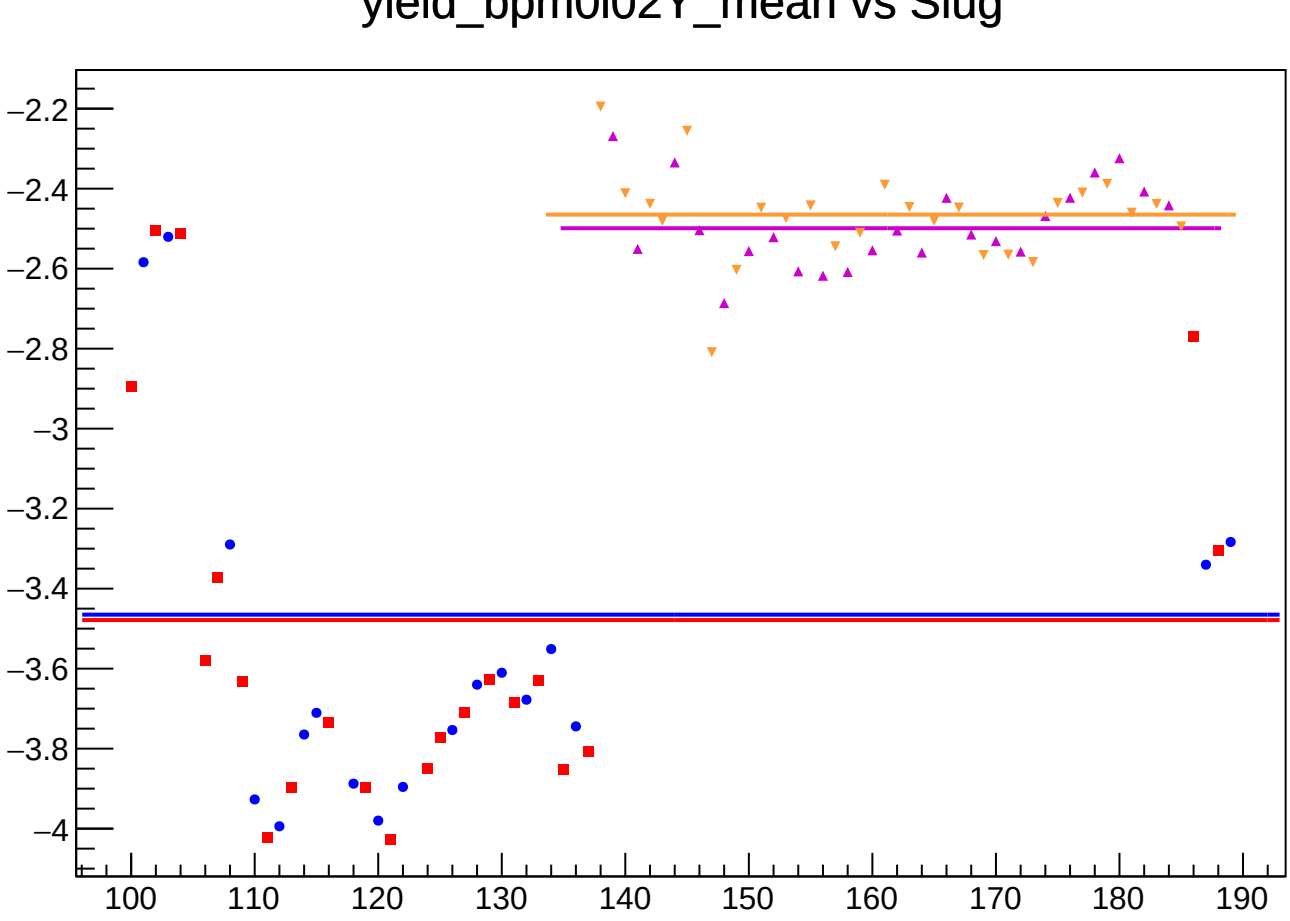
Right Out: 0.007+/-0.000 χ^2/NDF: 106755.7/20

Left In: 0.006+/-0.000 χ^2/NDF:260994.3/22

+ sign 0.006+/-0.000 χ^2/NDF: 783987.3/42

All: 0.006+/-0.000 χ^2/NDF: 1599448.7/86

- sign 0.006+/-0.000 χ^2/NDF: 814759.1/43



Right In: -3.465+/-0.000 χ^2/NDF: 29731716152.6/17

Left Out: -2.465+/-0.000 χ^2/NDF:2167098053.0/24

Right Out: -3.479+/-0.000 χ^2/NDF: 31641885427.9/20

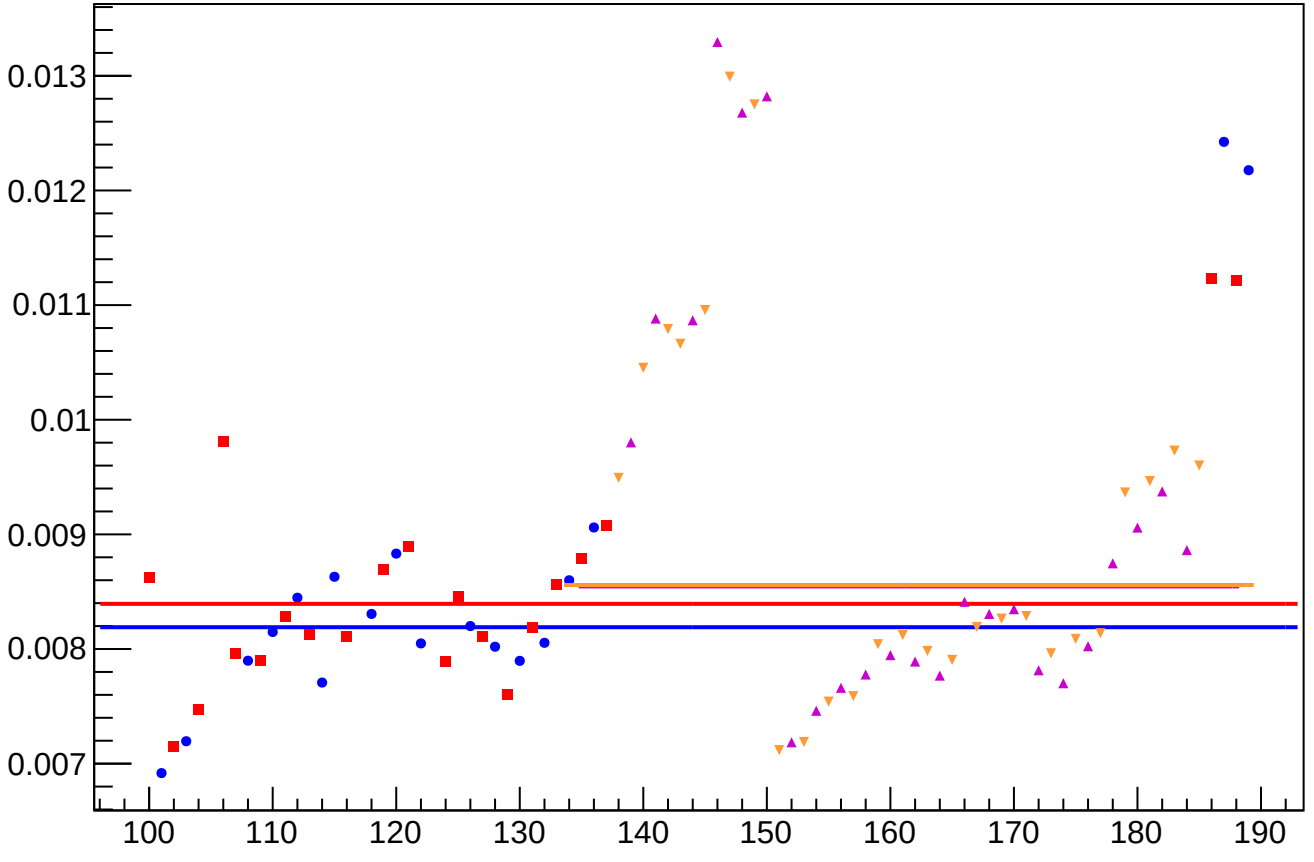
Left In: -2.499+/-0.000 χ^2/NDF:2273256162.3/22

+ sign -2.780+/-0.000 χ^2/NDF: 109619869568.9/42

All: -2.804+/-0.000 χ^2/NDF: 219541330529.0

- sign -2.829+/-0.000 χ^2/NDF: 109494245288.8/43

yield_bpm0i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 246279.6/17

Left Out: 0.009+/-0.000 χ^2/NDF:824029.0/24

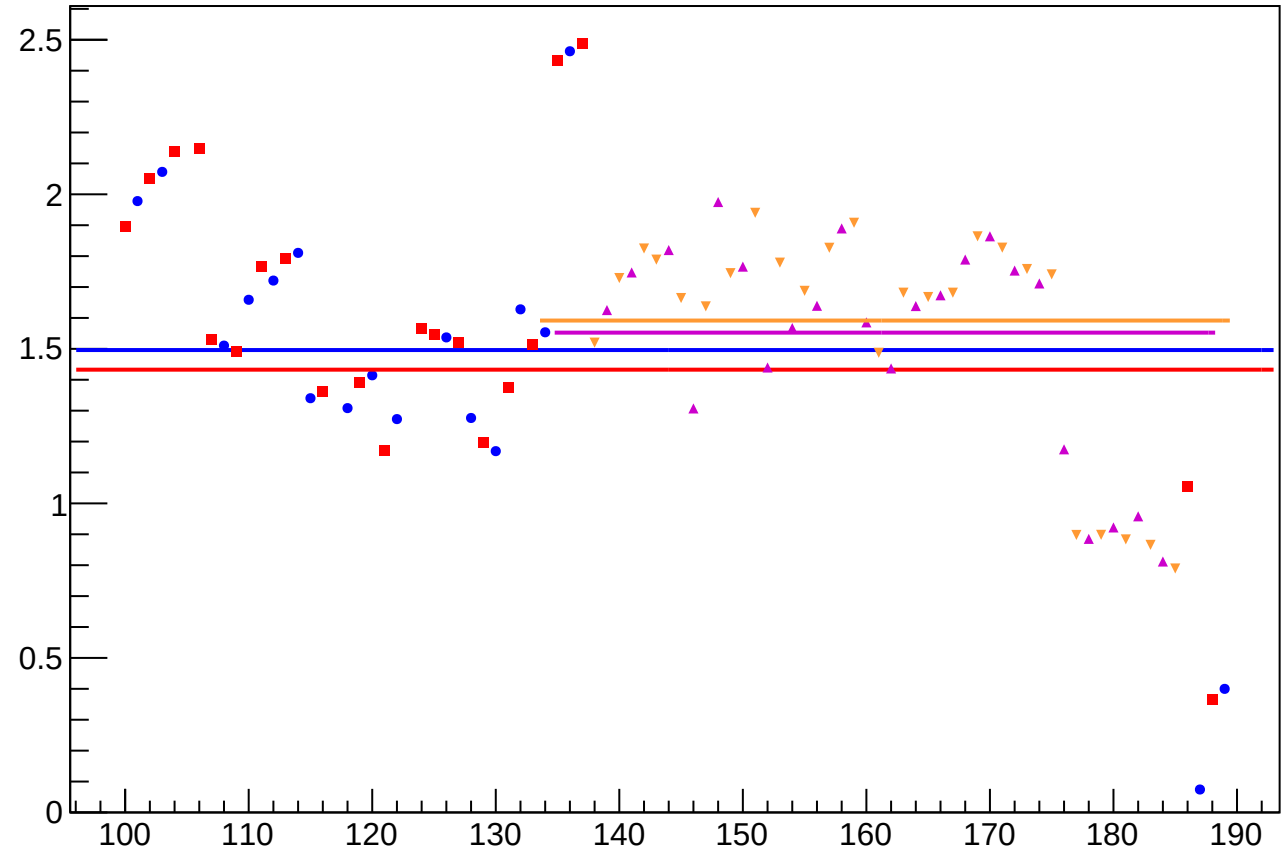
Right Out: 0.008+/-0.000 χ^2/NDF: 258667.2/20

Left In: 0.009+/-0.000 χ^2/NDF:910760.2/22

+ sign 0.008+/-0.000 χ^2/NDF: 1091370.3/42

All: 0.008+/-0.000 χ^2/NDF: 2265405.7/86

- sign 0.008+/-0.000 χ^2/NDF: 1173058.0/43



Right In: 1.496+/-0.000 χ^2/NDF: 15885841264.0/17

Left Out: 1.592+/-0.000 χ^2/NDF:17078853061.6/24

Right Out: 1.433+/-0.000 χ^2/NDF: 19610375295.5/20

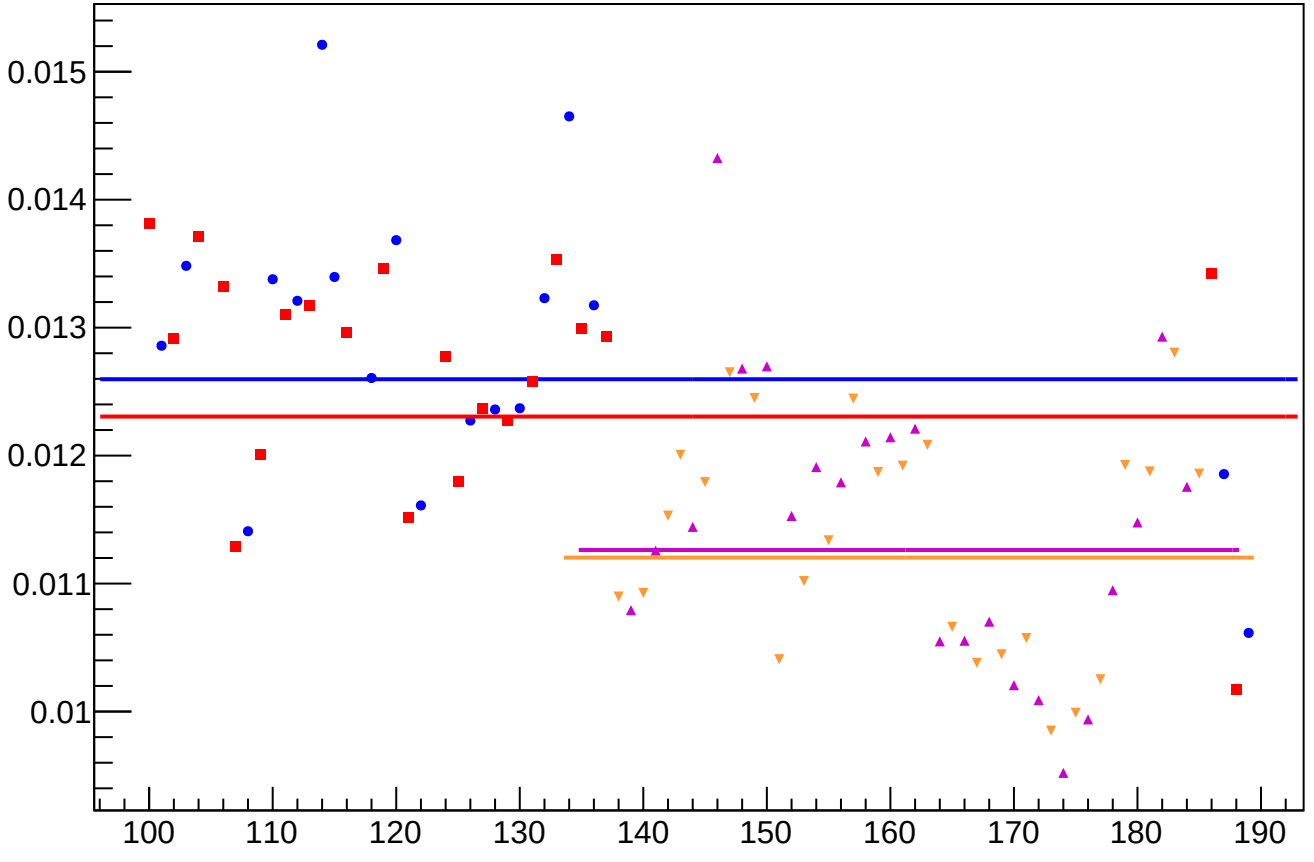
Left In: 1.552+/-0.000 χ^2/NDF:14055987405.9/22

+ sign 1.568+/-0.000 χ^2/NDF: 33297011310.8/42

All: 1.543+/-0.000 χ^2/NDF: 67780961184.2/8

- sign 1.518+/-0.000 χ^2/NDF: 34237588087.7/43

yield_bpm0i02aX_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 94867.0/17

Left Out: 0.011+/-0.000 χ^2/NDF:223594.3/24

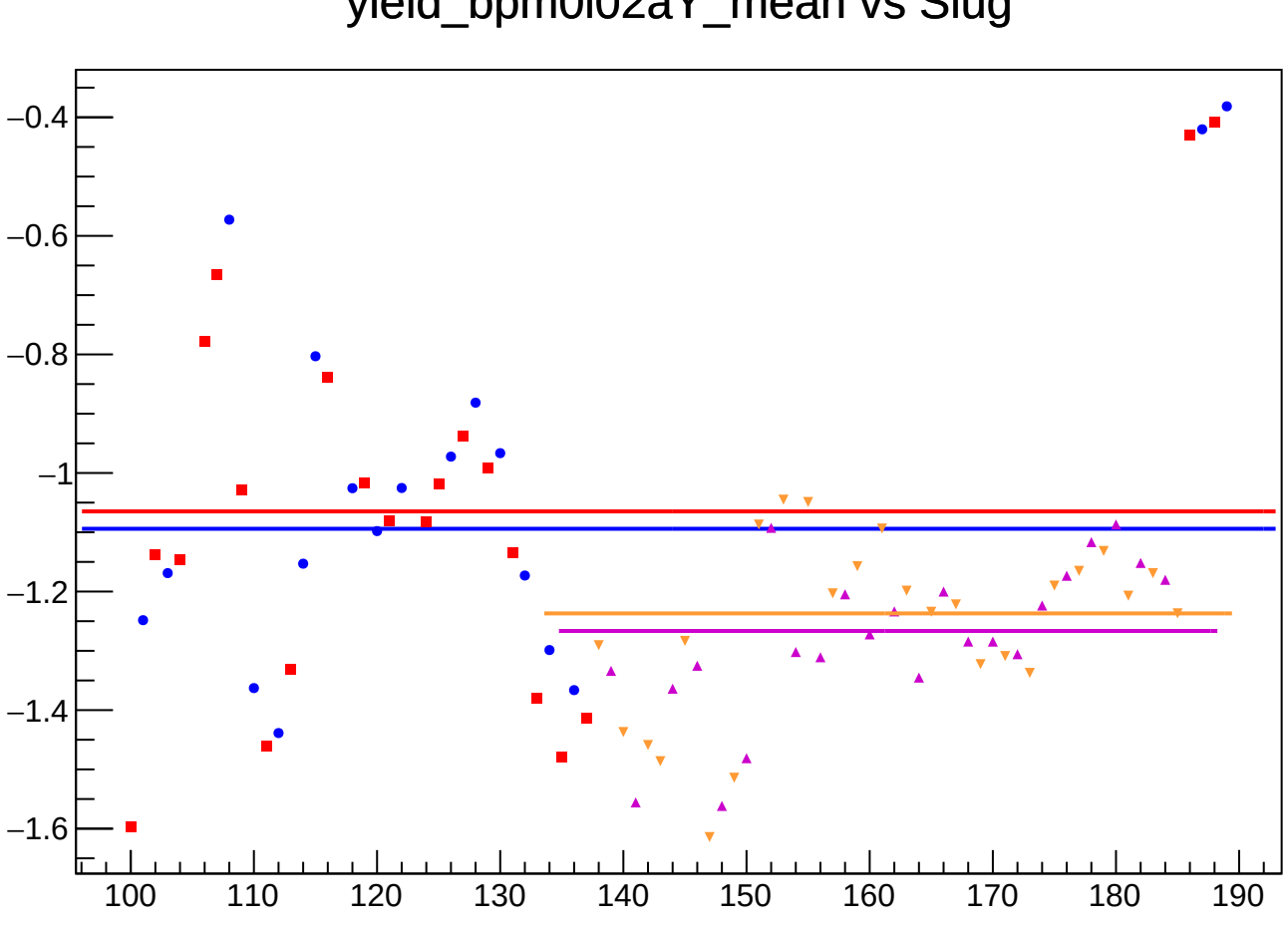
Right Out: 0.012+/-0.000 χ^2/NDF: 144789.5/20

Left In: 0.011+/-0.000 χ^2/NDF:311660.7/22

+ sign 0.012+/-0.000 χ^2/NDF: 460138.7/42

All: 0.012+/-0.000 χ^2/NDF: 1003223.6/86

- sign 0.012+/-0.000 χ^2/NDF: 543026.4/43



Right In: -1.094+/-0.000 χ^2/NDF: 6194983343.8/17

Left Out: -1.237+/-0.000 χ^2/NDF:4972272024.7/24

Right Out: -1.065+/-0.000 χ^2/NDF: 8469450730.0/20

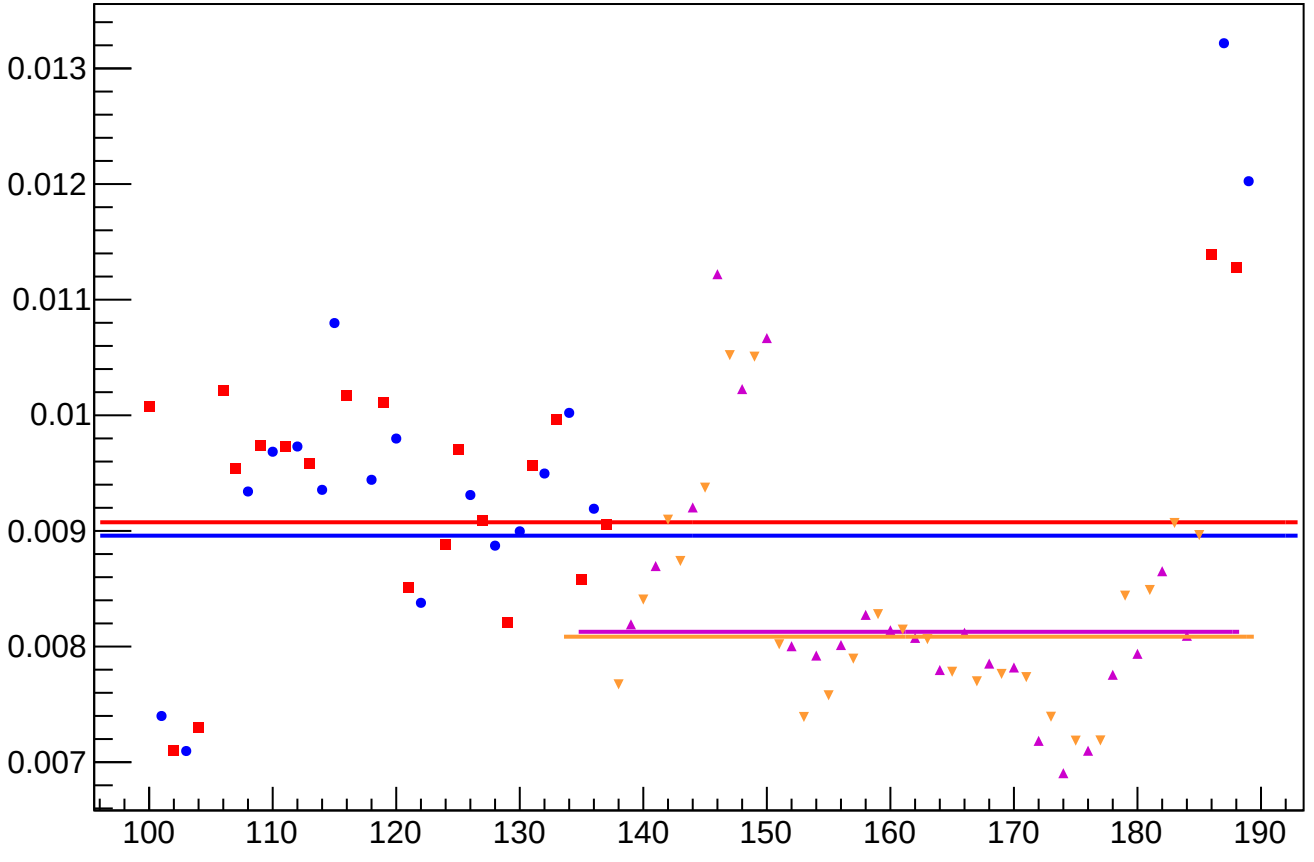
Left In: -1.267+/-0.000 χ^2/NDF:3674801511.3/22

+ sign -1.201+/-0.000 χ^2/NDF: 12589003932.5/42

All: -1.206+/-0.000 χ^2/NDF: 27681346606.8/

- sign -1.210+/-0.000 χ^2/NDF: 15075547341.7/43

yield_bpm0i02aY_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 283345.8/17

Left Out: 0.008+/-0.000 χ^2/NDF:326825.0/24

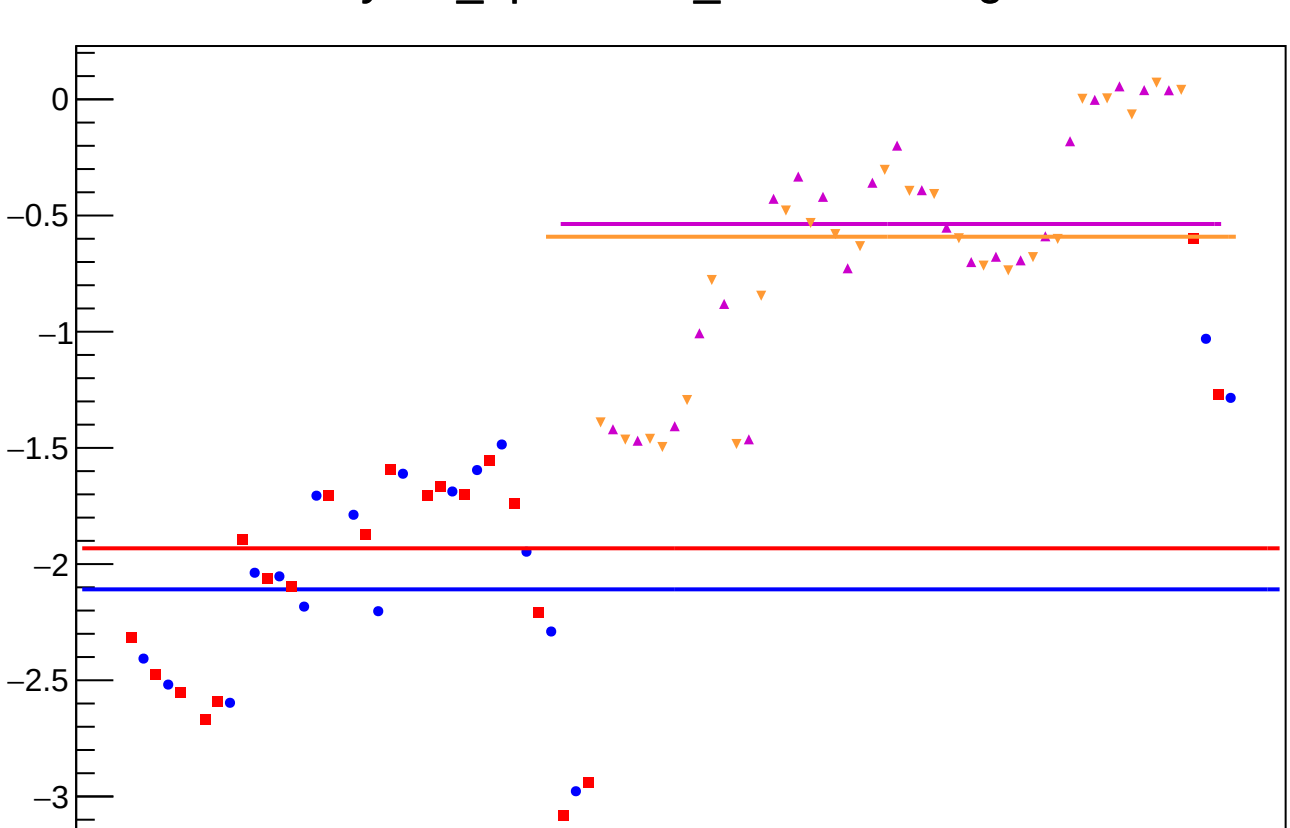
Right Out: 0.009+/-0.000 χ^2/NDF: 321469.0/20

Left In: 0.008+/-0.000 χ^2/NDF:409030.0/22

+ sign 0.008+/-0.000 χ^2/NDF: 716700.1/42

All: 0.008+/-0.000 χ^2/NDF: 1579150.3/86

- sign 0.008+/-0.000 χ^2/NDF: 859809.6/43



Right In: -2.109+/-0.000 χ^2/NDF: 32000204772.2/17

Left Out: -0.591+/-0.000 χ^2/NDF:72678844667.5/24

Right Out: -1.932+/-0.000 χ^2/NDF: 58578867207.0/20

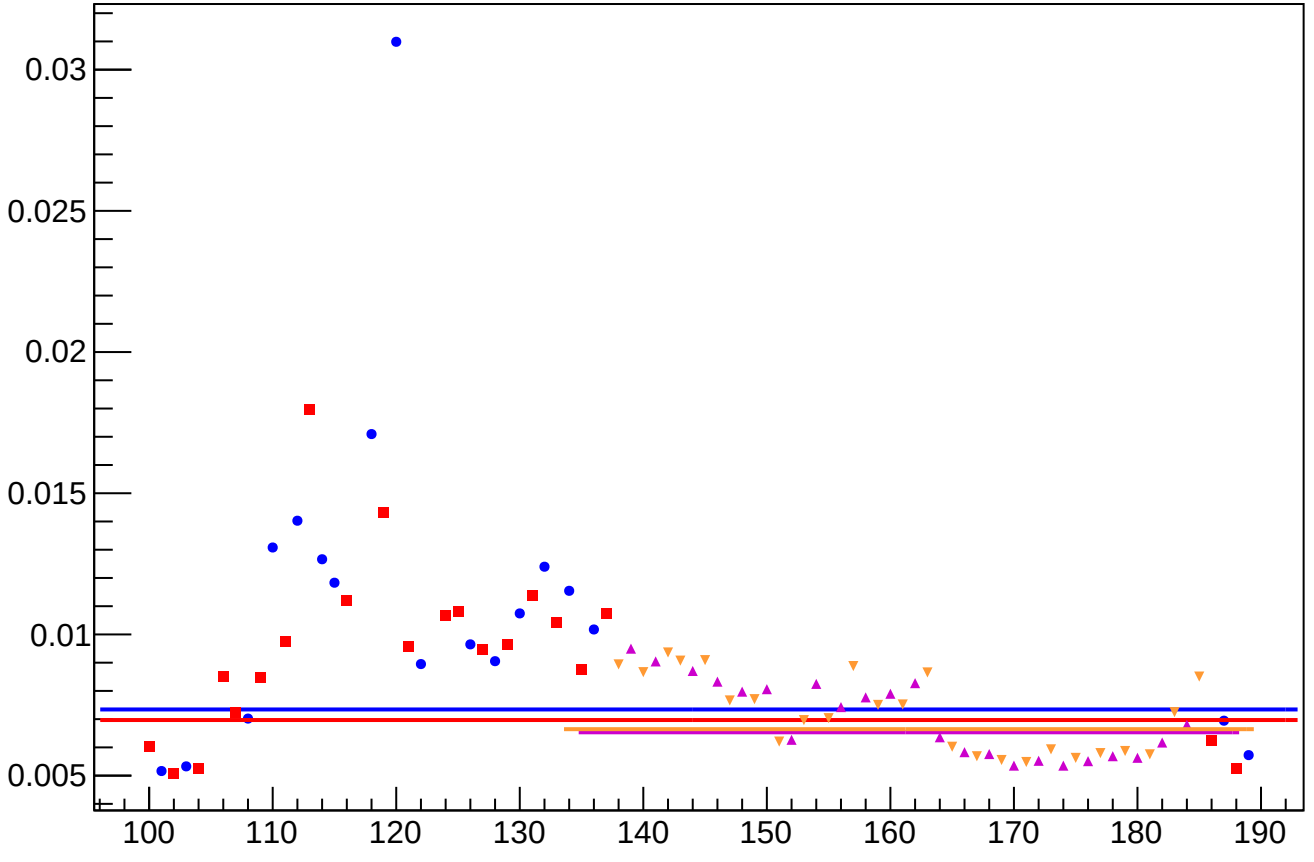
Left In: -0.536+/-0.000 χ^2/NDF:70168781562.6/22

+ sign -0.921+/-0.000 χ^2/NDF: 294593116497.8/42

All: -0.917+/-0.000 χ^2/NDF: 618292543269.2

- sign -0.913+/-0.000 χ^2/NDF: 323681422212.9/43

yield_bpm0i05X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 1803911.2/17

Left Out: 0.007+/-0.000 χ^2/NDF:1091920.0/24

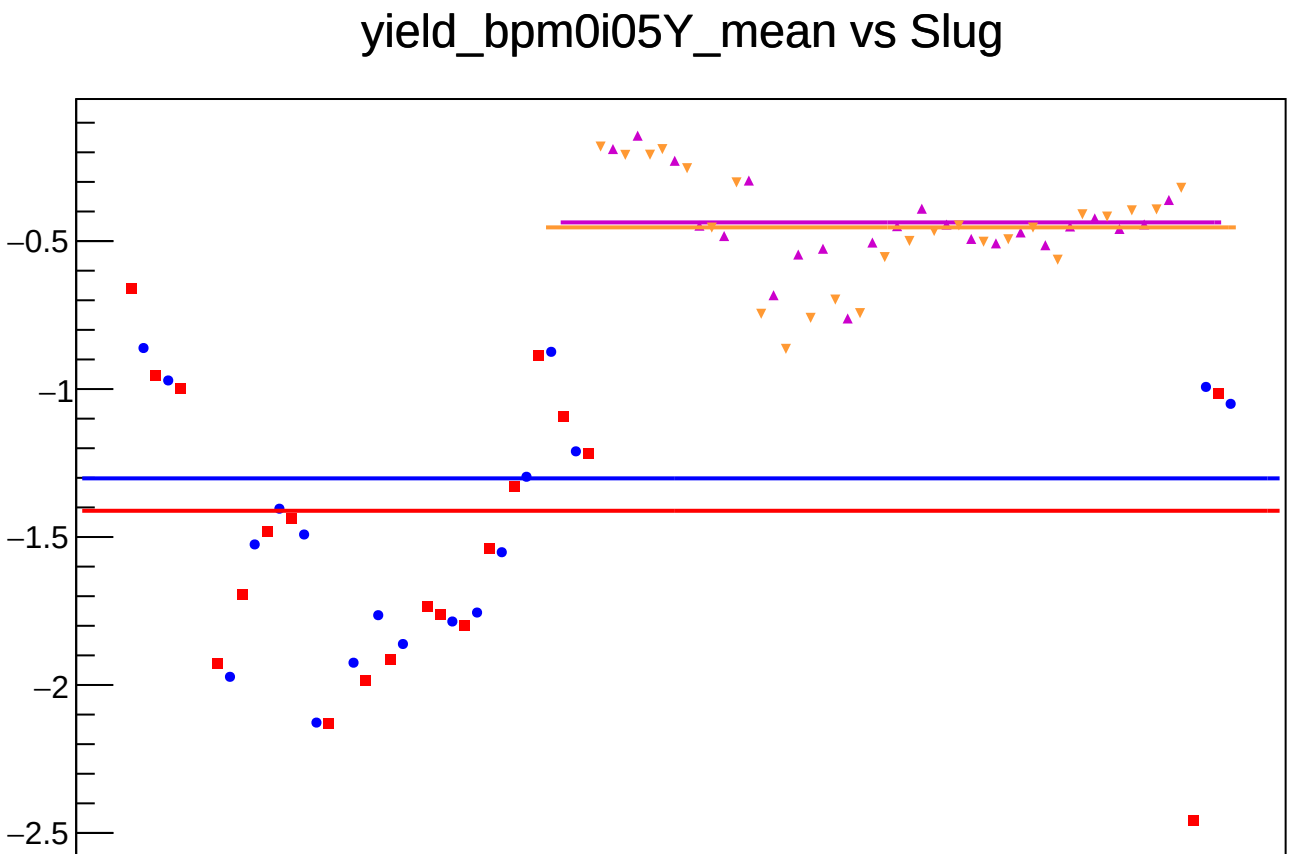
Right Out: 0.007+/-0.000 χ^2/NDF: 1601815.1/20

Left In: 0.007+/-0.000 χ^2/NDF:1151126.7/22

+ sign 0.007+/-0.000 χ^2/NDF: 2976266.4/42

All: 0.007+/-0.000 χ^2/NDF: 5777409.8/86

- sign 0.007+/-0.000 χ^2/NDF: 2790692.1/43



Right In: -1.302+/-0.000 χ^2/NDF: 23935568308.2/17

Left Out: -0.454+/-0.000 χ^2/NDF:29096412438.0/24

Right Out: -1.411+/-0.000 χ^2/NDF: 61456821885.9/20

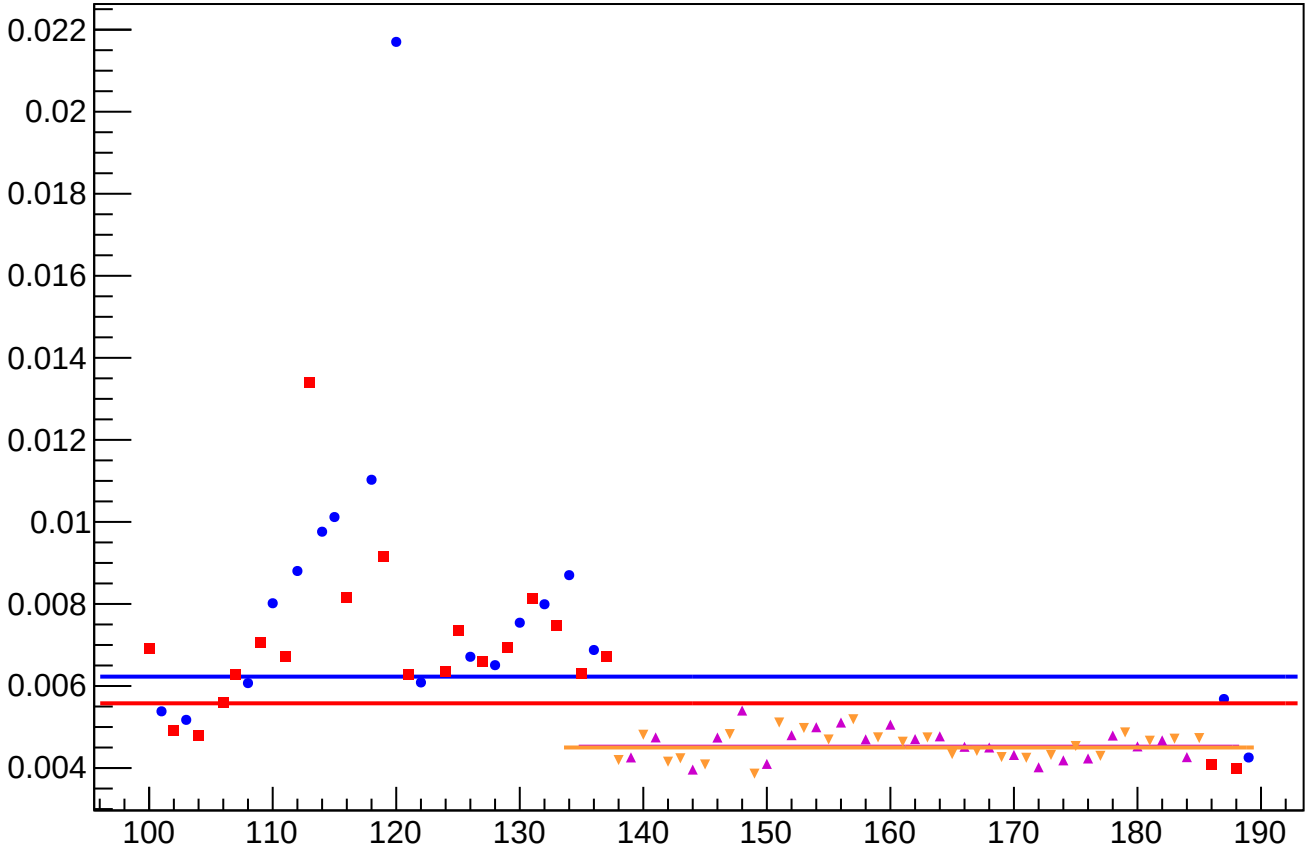
Left In: -0.437+/-0.000 χ^2/NDF:16544160360.6/22

+ sign -0.586+/-0.000 χ^2/NDF: 150951223867.6/42

All: -0.618+/-0.000 χ^2/NDF: 399675743694.2

- sign -0.649+/-0.000 χ^2/NDF: 246677828869.1/43

yield_bpm0i05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 935223.6/17

Left Out: 0.005+/-0.000 χ^2/NDF:189230.5/24

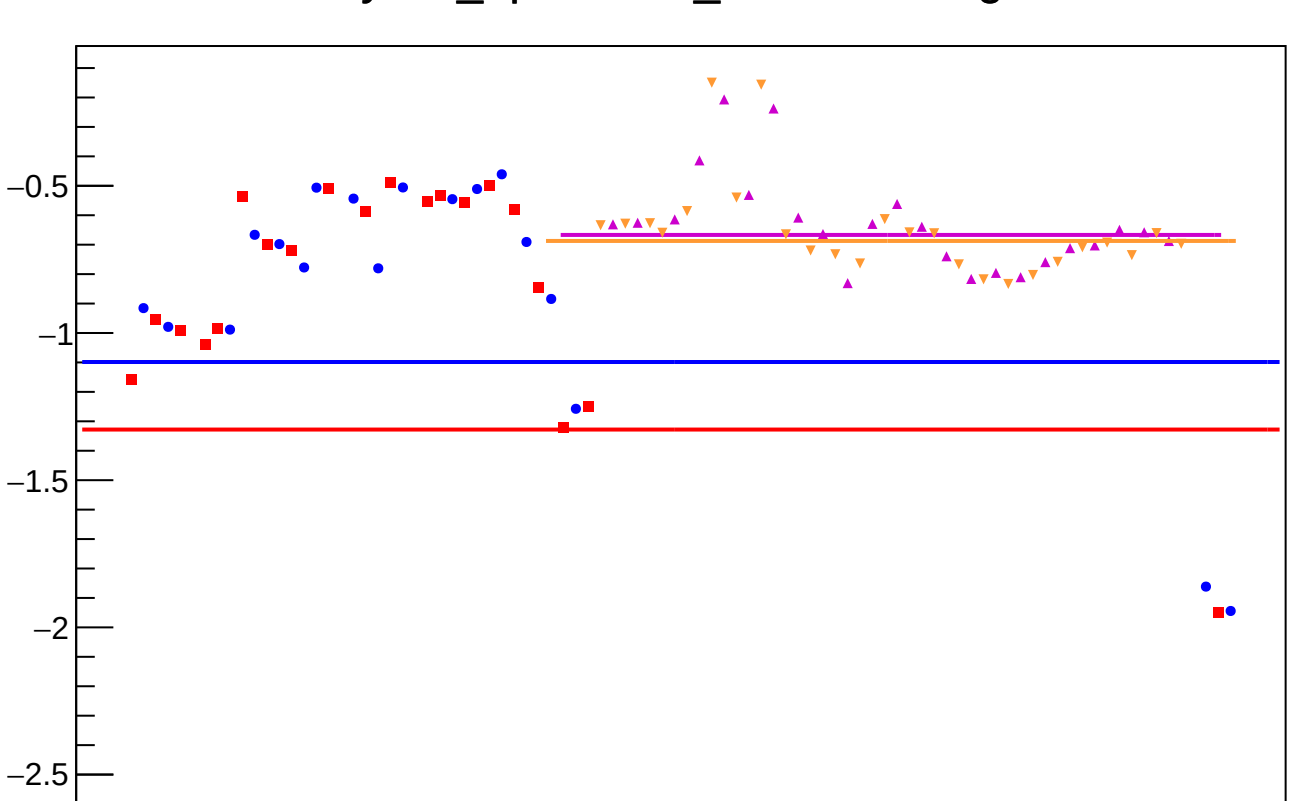
Right Out: 0.006+/-0.000 χ^2/NDF: 1068928.4/20

Left In: 0.005+/-0.000 χ^2/NDF:212056.7/22

+ sign 0.005+/-0.000 χ^2/NDF: 1936786.2/42

All: 0.005+/-0.000 χ^2/NDF: 3615405.6/86

- sign 0.005+/-0.000 χ^2/NDF: 1678192.9/43



Right In: -1.099+/-0.000 χ^2/NDF: 68643113953.9/17

Left Out: -0.687+/-0.000 χ^2/NDF:22462821855.7/24

Right Out: -1.328+/-0.000 χ^2/NDF: 165247952785.0/20

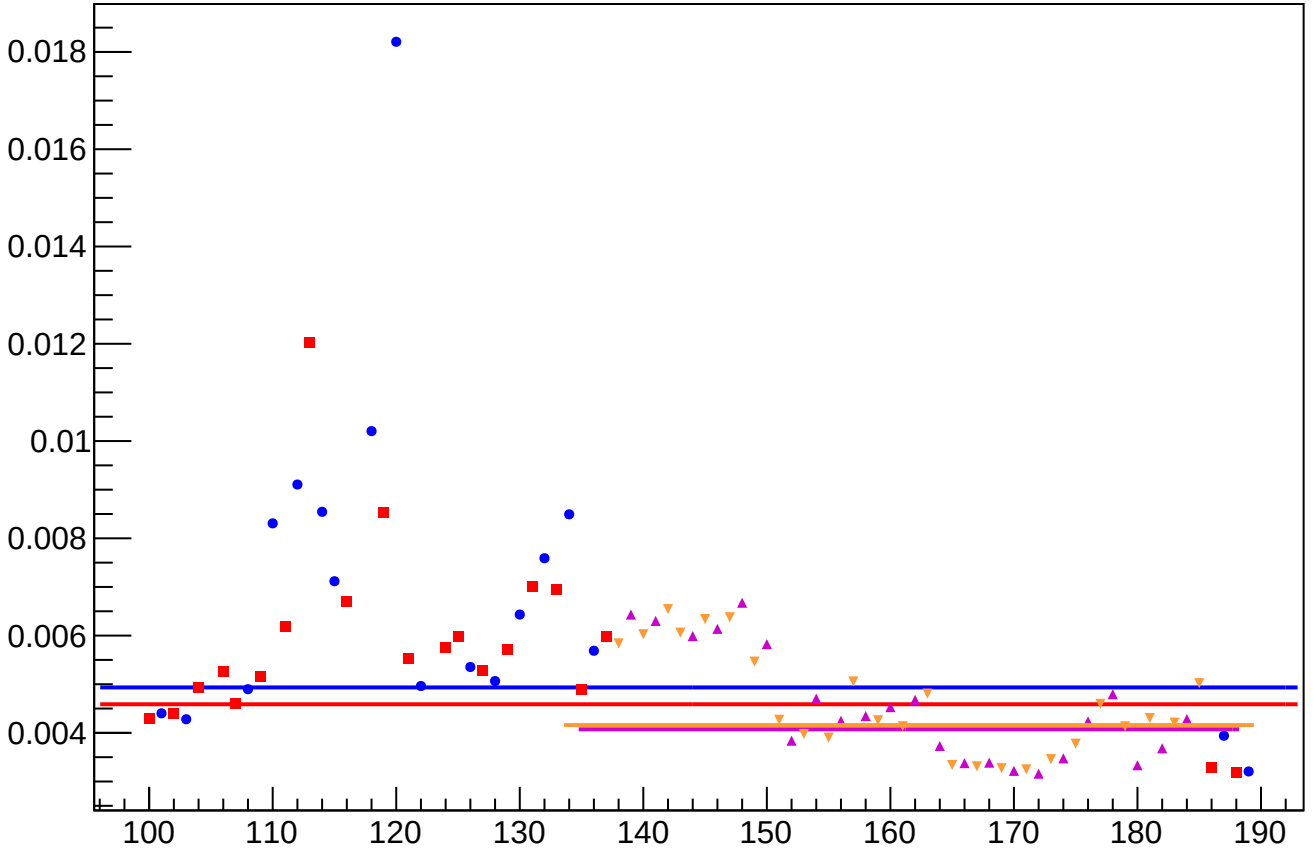
Left In: -0.667+/-0.000 χ^2/NDF:22531477329.1/22

+ sign -0.771+/-0.000 χ^2/NDF: 124254484484.1/42

All: -0.805+/-0.000 χ^2/NDF: 421813837423.2

- sign -0.837+/-0.000 χ^2/NDF: 294834046454.0/43

yield_bpm0i07X_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 1386398.9/17

Left Out: 0.004+/-0.000 χ^2/NDF:1520055.0/24

Right Out: 0.005+/-0.000 χ^2/NDF: 1294944.4/20

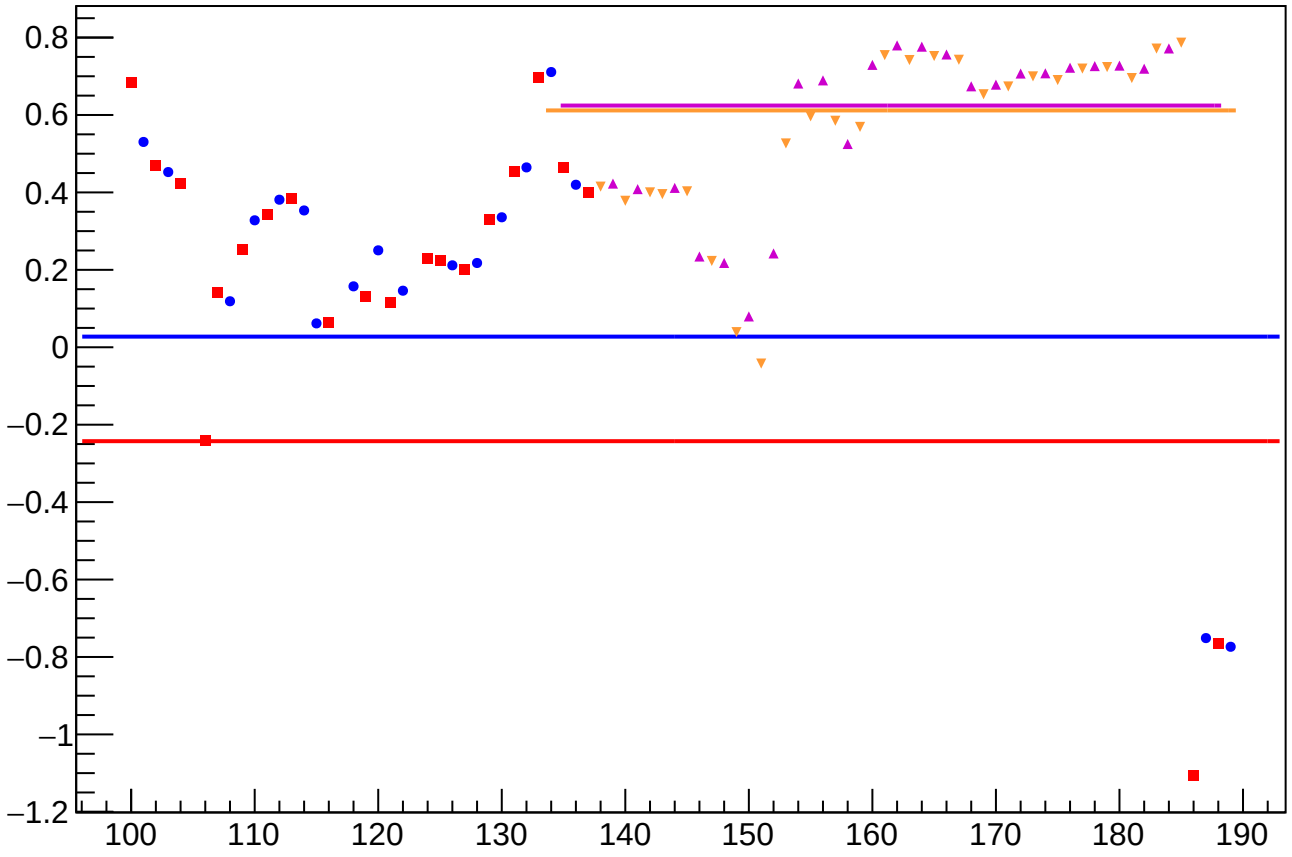
Left In: 0.004+/-0.000 χ^2/NDF:1750303.9/22

+ sign 0.004+/-0.000 χ^2/NDF: 3140983.8/42

All: 0.004+/-0.000 χ^2/NDF: 6331960.4/86

- sign 0.004+/-0.000 χ^2/NDF: 3175274.9/43

yield_bpm0i07Y_mean vs Slug



Right In: 0.027+/-0.000 χ^2/NDF: 147084726026.1/17

Left Out: 0.612+/-0.000 χ^2/NDF:45742599949.2/24

Right Out: -0.243+/-0.000 χ^2/NDF: 297998201172.5/20

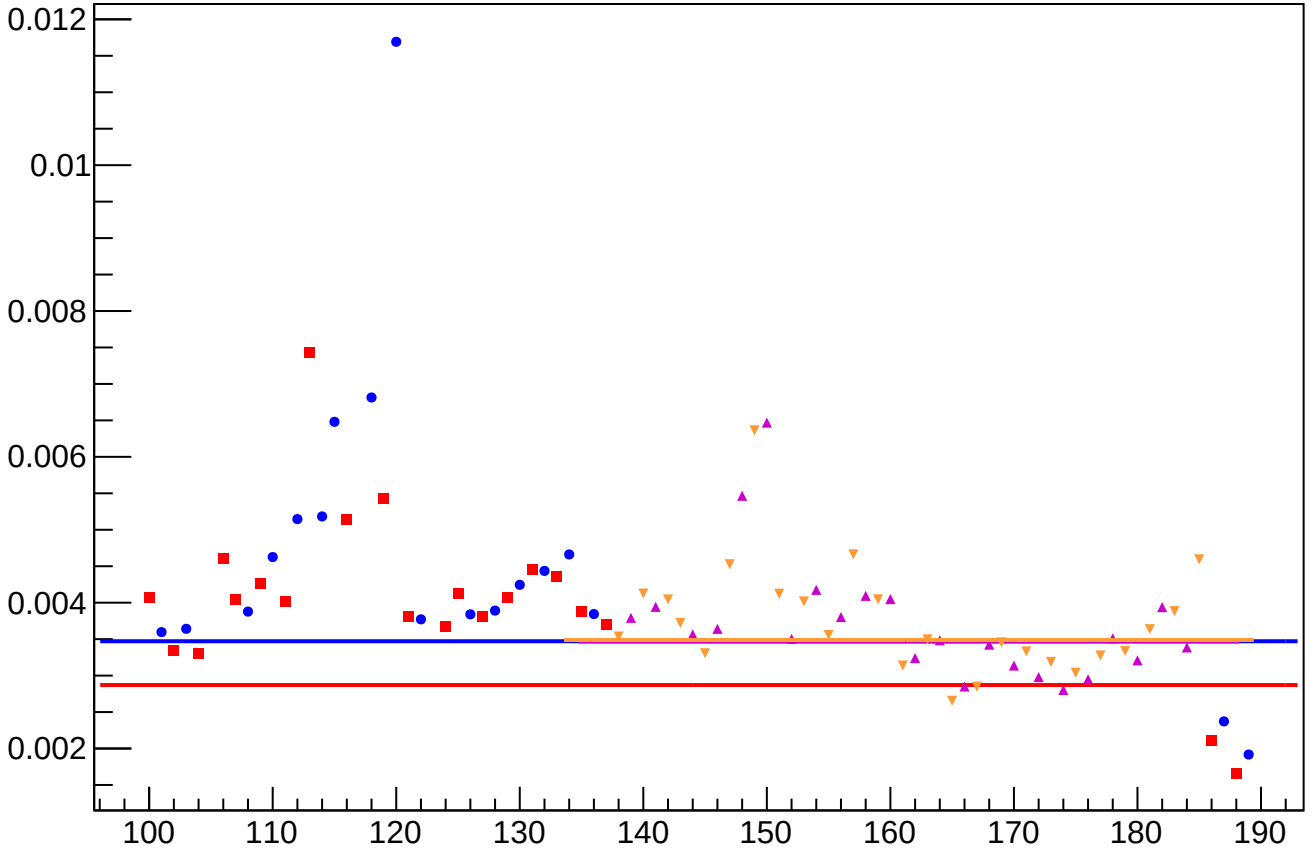
Left In: 0.624+/-0.000 χ^2/NDF:40353141115.4/22

+ sign 0.447+/-0.000 χ^2/NDF: 319972515200.7/42

All: 0.362+/-0.000 χ^2/NDF: 1053252042081.

- sign 0.287+/-0.000 χ^2/NDF: 708512354207.7/43

yield_bpm0i07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 1456639.7/17

Left Out: 0.003+/-0.000 χ^2/NDF:850746.8/24

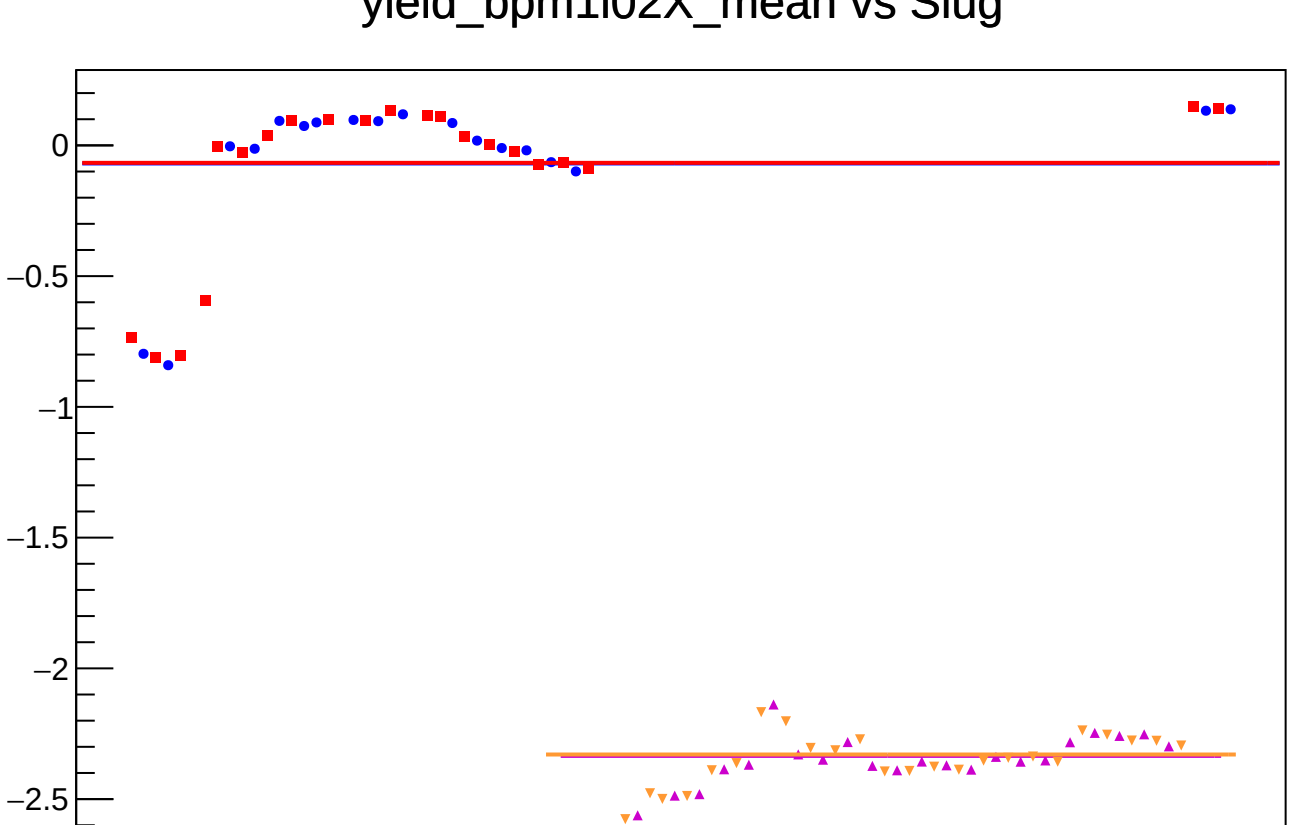
Right Out: 0.003+/-0.000 χ^2/NDF: 2327255.4/20

Left In: 0.003+/-0.000 χ^2/NDF:894124.0/22

+ sign 0.003+/-0.000 χ^2/NDF: 2307597.2/42

All: 0.003+/-0.000 χ^2/NDF: 5999171.2/86

- sign 0.003+/-0.000 χ^2/NDF: 3571551.5/43



Right In: -0.069+/-0.000 χ^2/NDF: 5841743548.1/17

Left Out: -2.329+/-0.000 χ^2/NDF:1982733526.8/24

Right Out: -0.067+/-0.000 χ^2/NDF: 6951159392.3/20

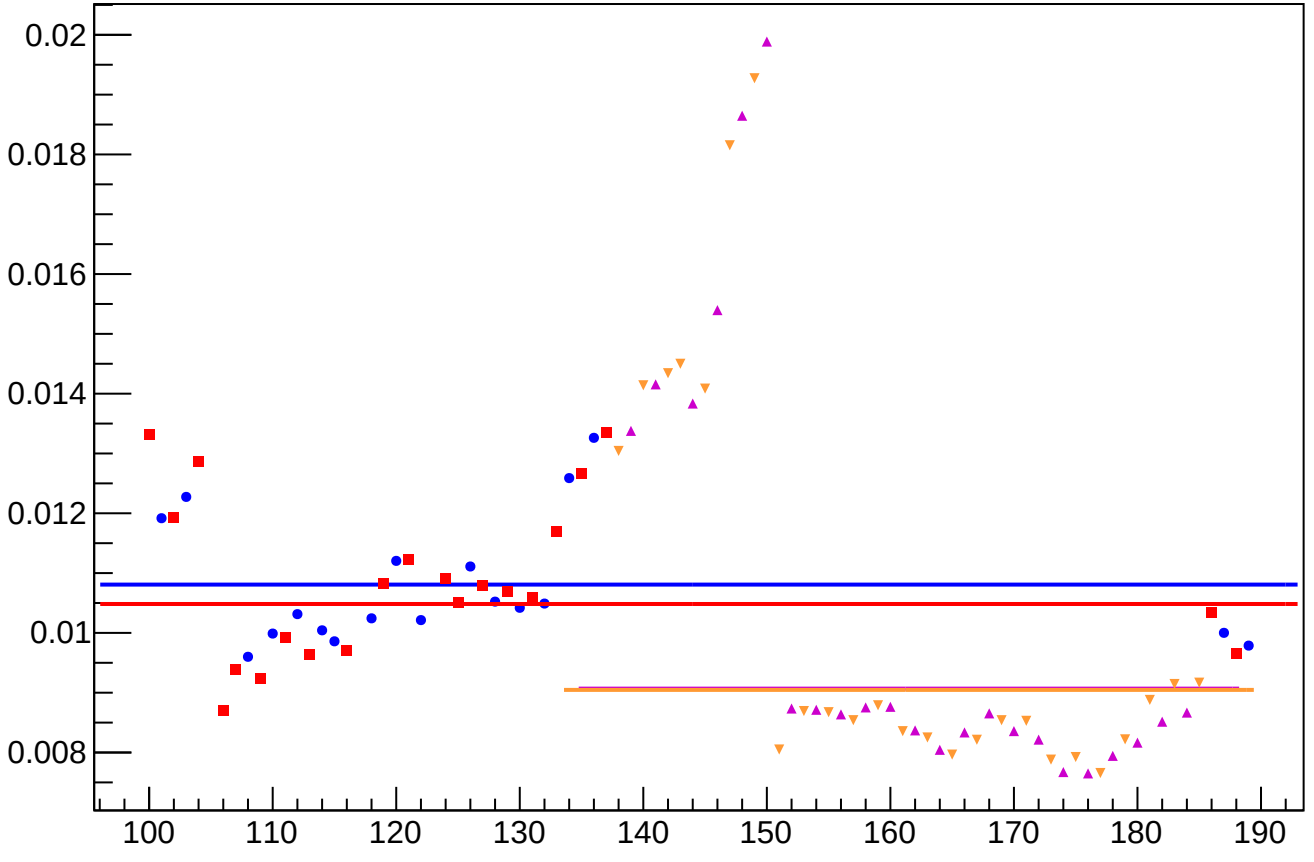
Left In: -2.335+/-0.000 χ^2/NDF:1676703216.8/22

+ sign -1.805+/-0.000 χ^2/NDF: 270951407817.3/42

All: -1.758+/-0.000 χ^2/NDF: 576793072760.5

- sign -1.709+/-0.000 χ^2/NDF: 304510249702.9/43

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 152137.3/17

Left Out: 0.009+/-0.000 χ^2/NDF:2048729.6/24

Right Out: 0.010+/-0.000 χ^2/NDF: 207131.2/20

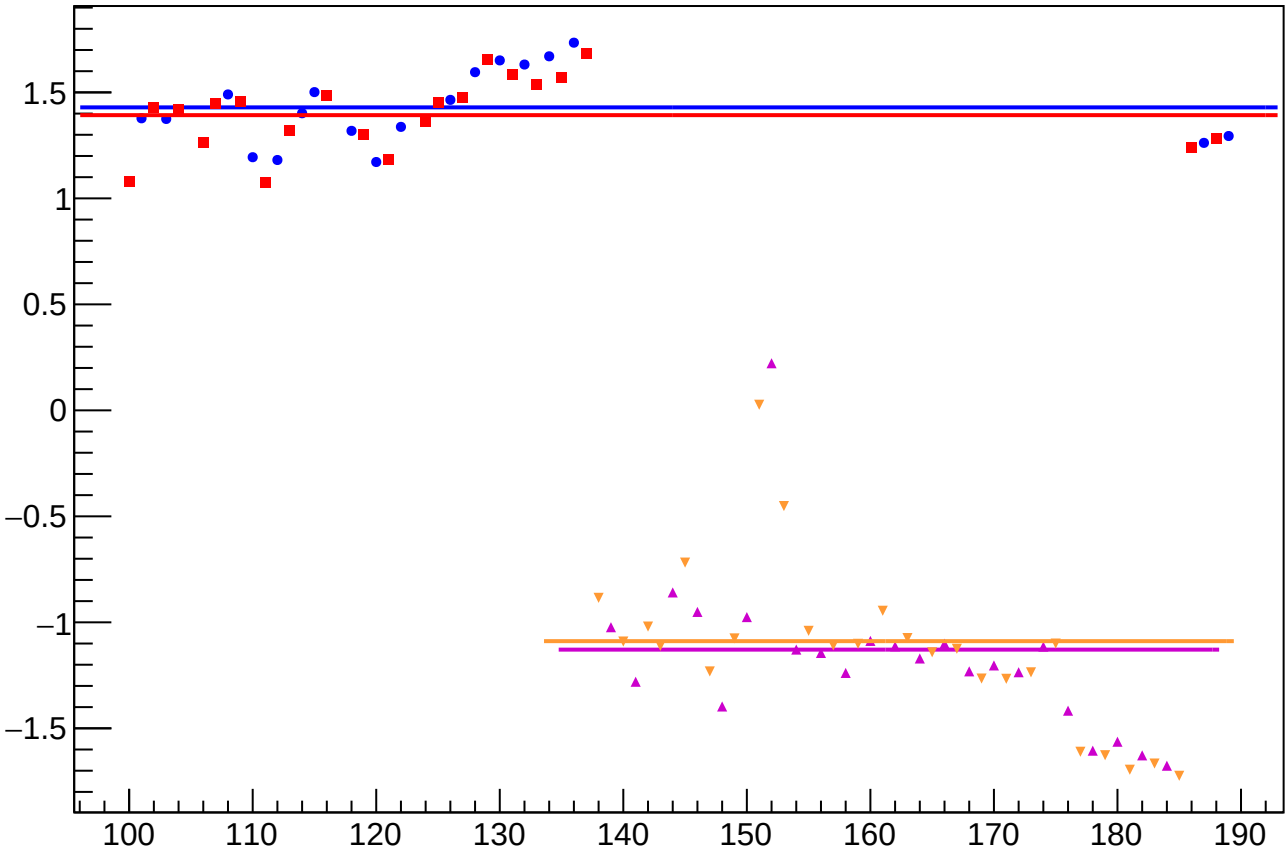
Left In: 0.009+/-0.000 χ^2/NDF:2134207.9/22

+ sign 0.009+/-0.000 χ^2/NDF: 2520204.2/42

All: 0.009+/-0.000 χ^2/NDF: 5091986.6/86

- sign 0.009+/-0.000 χ^2/NDF: 2571779.5/43

yield_bpm1i02Y_mean vs Slug



Right In: 1.429+/-0.000 χ^2/NDF: 4019374626.4/17

Left Out: -1.089+/-0.000 χ^2/NDF:61255304912.3/24

Right Out: 1.393+/-0.000 χ^2/NDF: 3270646172.0/20

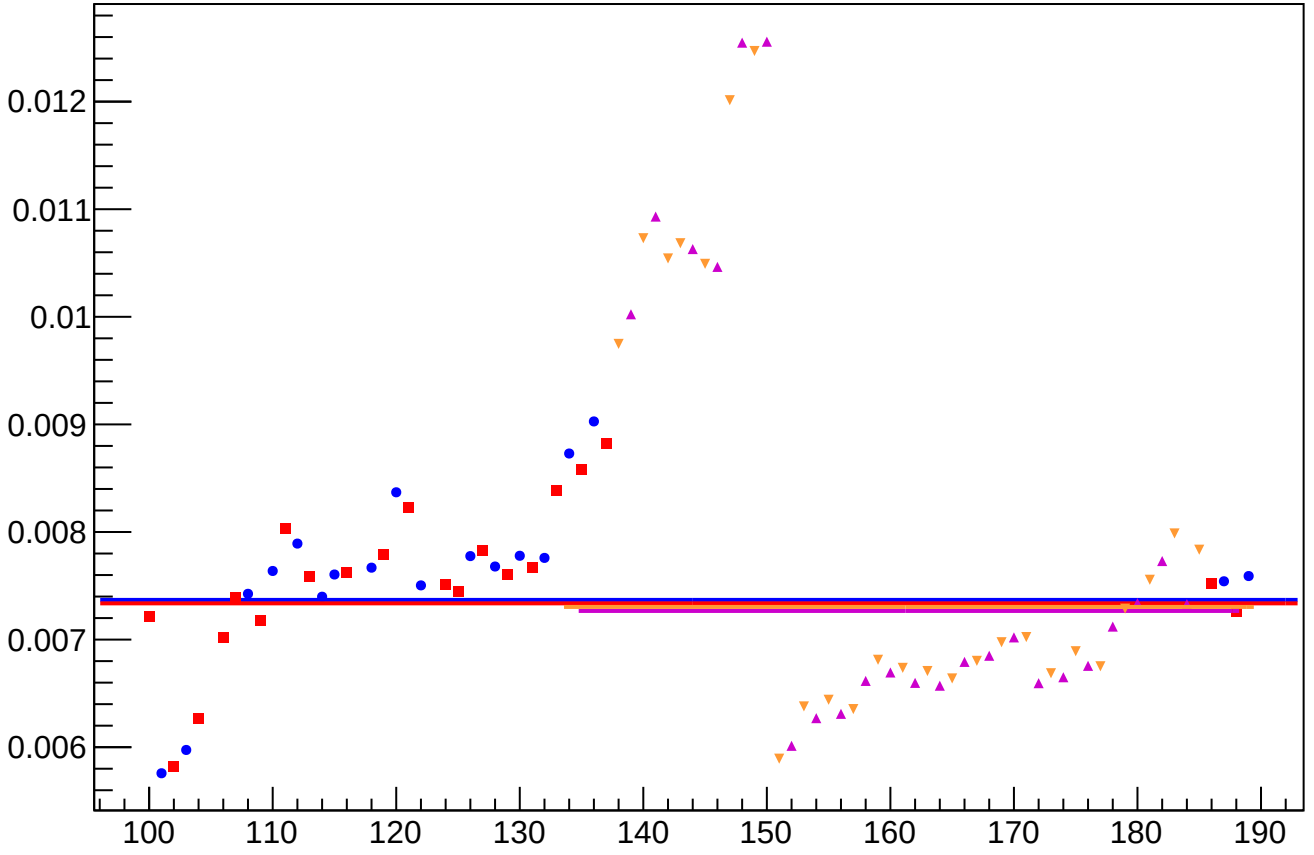
Left In: -1.129+/-0.000 χ^2/NDF:58876825364.1/22

+ sign -0.353+/-0.000 χ^2/NDF: 707306099296.6/42

All: -0.326+/-0.000 χ^2/NDF: 1462138133460

- sign -0.299+/-0.000 χ^2/NDF: 754132379114.9/43

yield_bpm1i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 272044.0/17

Left Out: 0.007+/-0.000 χ^2/NDF:1504103.4/24

Right Out: 0.007+/-0.000 χ^2/NDF: 196085.2/20

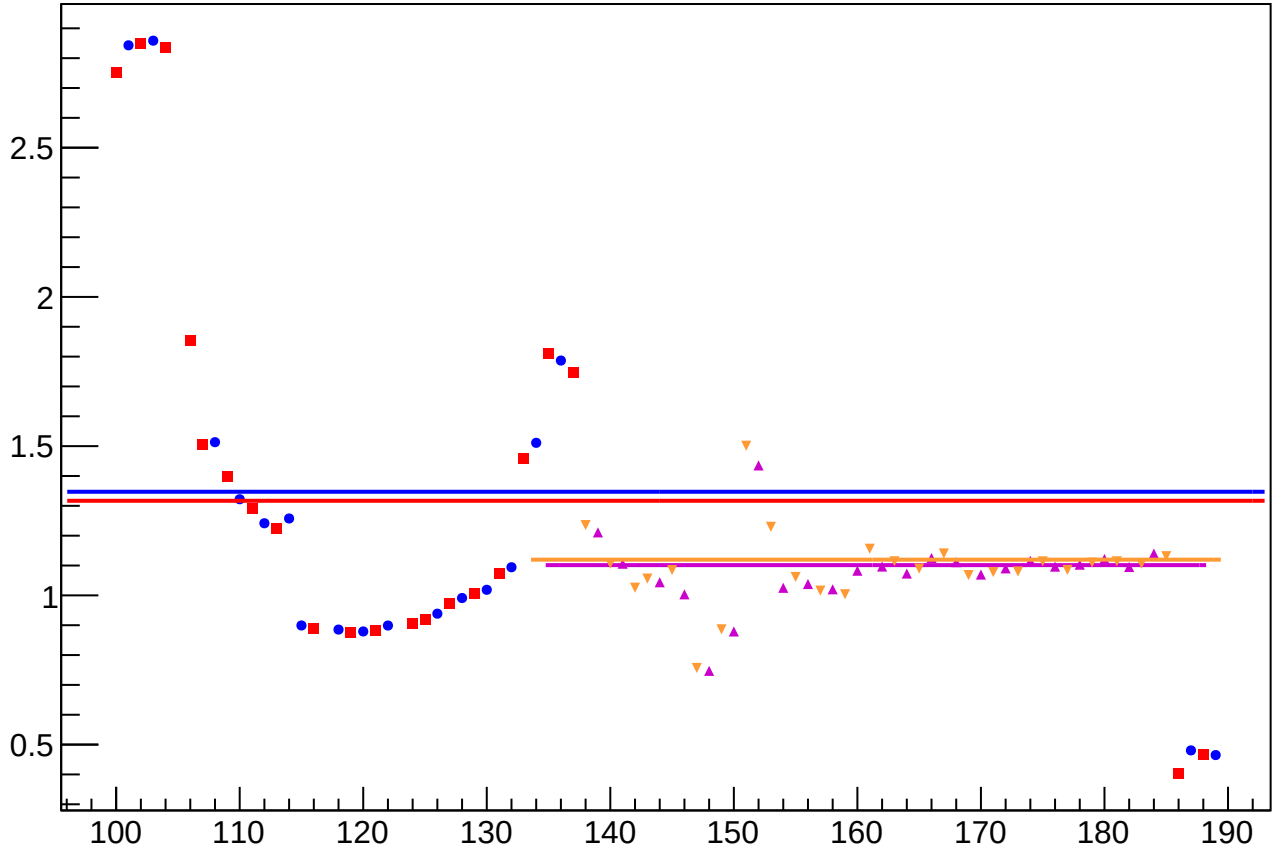
Left In: 0.007+/-0.000 χ^2/NDF:1560089.8/22

+ sign 0.007+/-0.000 χ^2/NDF: 1777012.2/42

All: 0.007+/-0.000 χ^2/NDF: 3534810.3/86

- sign 0.007+/-0.000 χ^2/NDF: 1757257.2/43

yield_bpm1i04X_mean vs Slug



Right In: 1.347+/-0.000 χ^2/NDF: 64327327133.0/17

Left Out: 1.120+/-0.000 χ^2/NDF:5515079117.9/24

Right Out: 1.317+/-0.000 χ^2/NDF: 67035970152.4/20

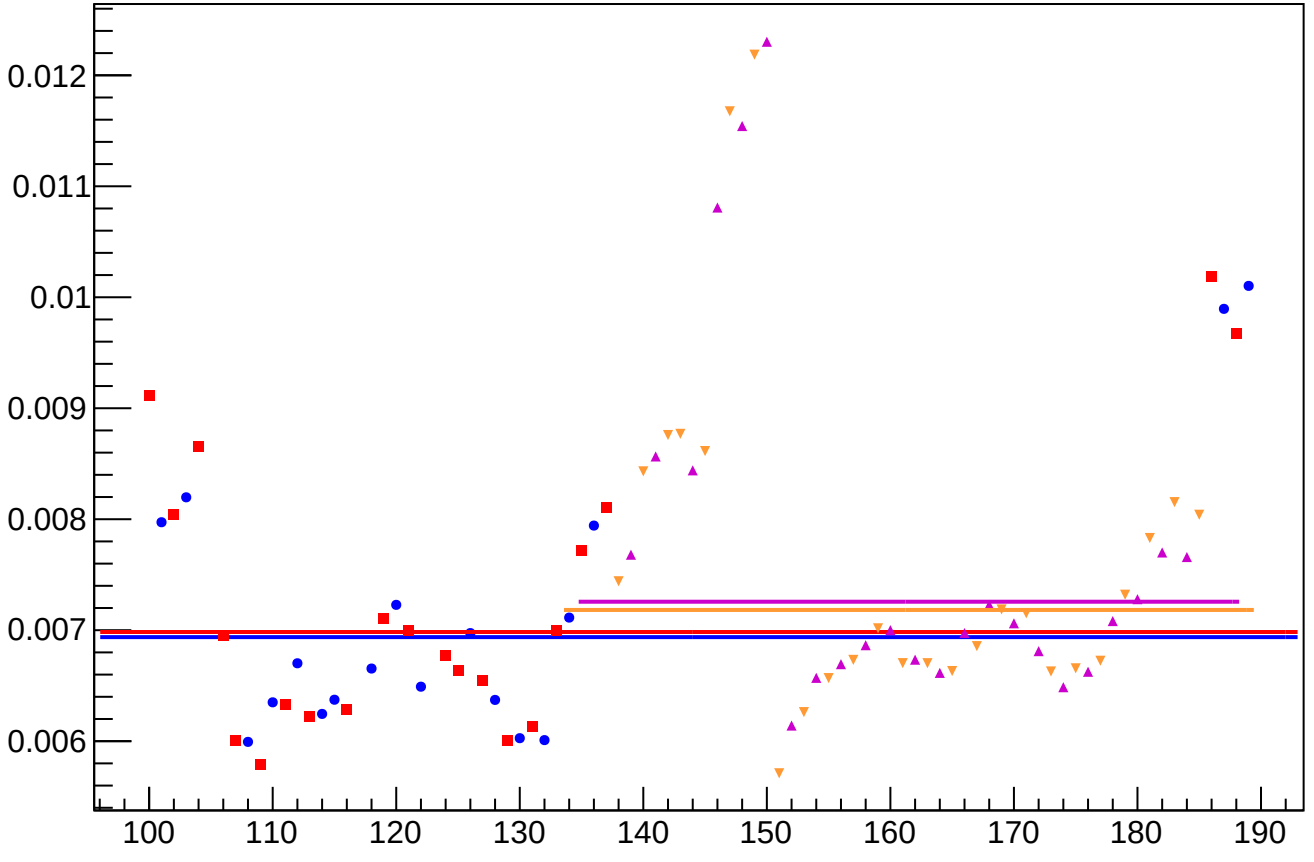
Left In: 1.101+/-0.000 χ^2/NDF:4201972548.8/22

+ sign 1.190+/-0.000 χ^2/NDF: 75586492123.9/42

All: 1.183+/-0.000 χ^2/NDF: 152231679745.2

- sign 1.176+/-0.000 χ^2/NDF: 76593402823.5/43

yield_bpm1i04X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 307892.2/17

Left Out: 0.007+/-0.000 χ^2/NDF:893807.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 447710.1/20

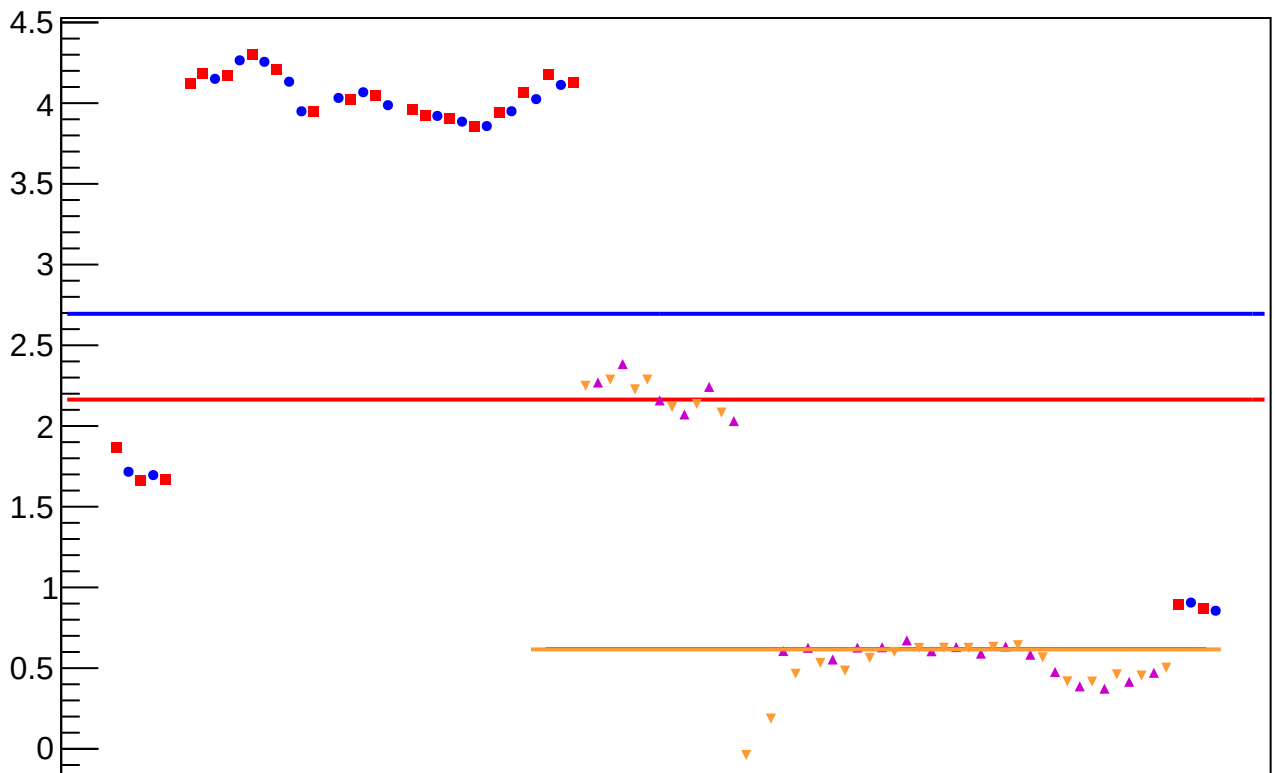
Left In: 0.007+/-0.000 χ^2/NDF:916696.6/22

+ sign 0.007+/-0.000 χ^2/NDF: 1215011.4/42

All: 0.007+/-0.000 χ^2/NDF: 2598176.5/86

- sign 0.007+/-0.000 χ^2/NDF: 1381577.7/43

yield_bpm1i04Y_mean vs Slug



Right In: 2.695+/-0.000 χ^2/NDF: 765115753256.6/17

Left Out: 0.616+/-0.000 χ^2/NDF:251940630795.3/24

Right Out: 2.164+/-0.000 χ^2/NDF: 1185788269877.9/20

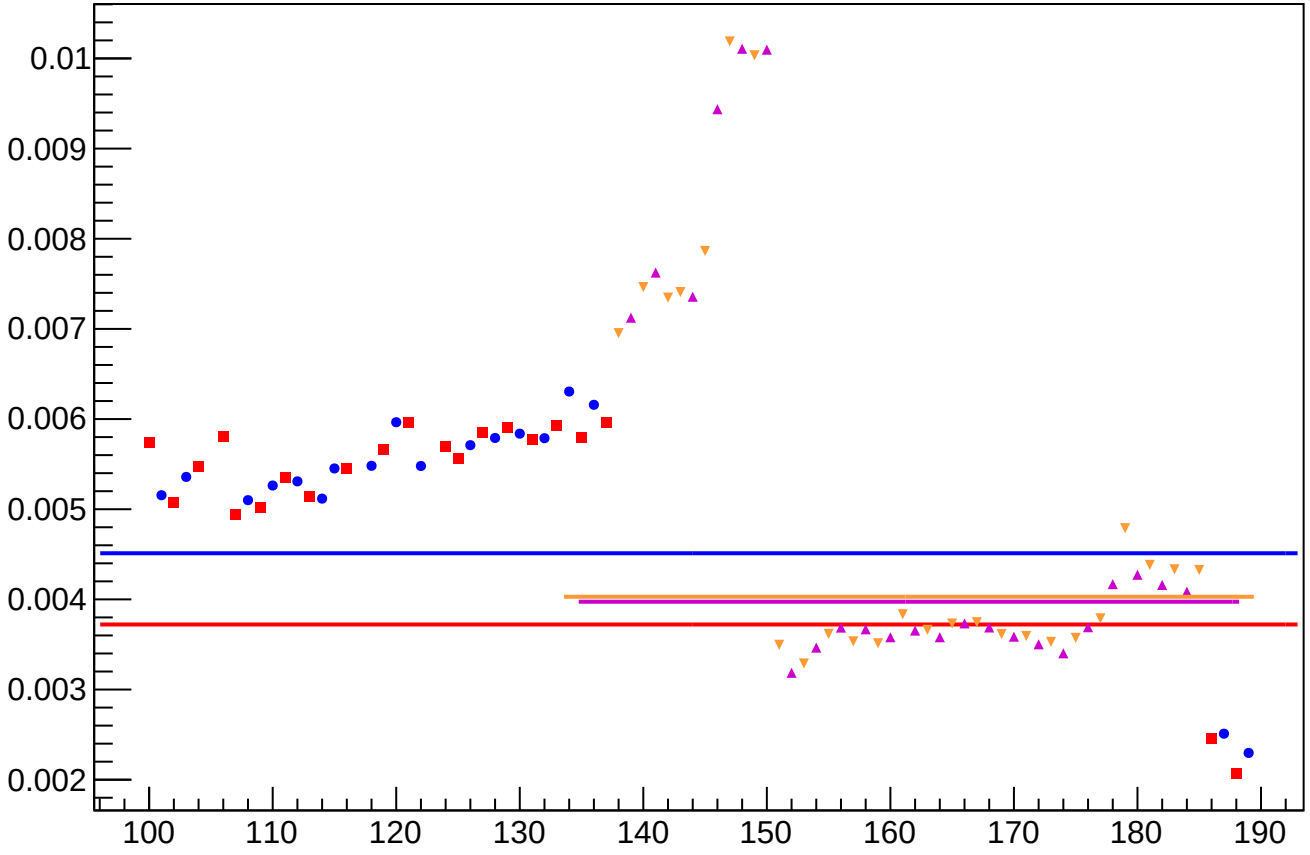
Left In: 0.618+/-0.000 χ^2/NDF:254248143278.9/22

+ sign 1.126+/-0.000 χ^2/NDF: 2138035380808.6/42

All: 1.130+/-0.000 χ^2/NDF: 4396985546898.

- sign 1.134+/-0.000 χ^2/NDF: 2258906536456.9/43

yield_bpm1i04Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 1642895.1/17

Left Out: 0.004+/-0.000 χ^2/NDF:2965028.8/24

Right Out: 0.004+/-0.000 χ^2/NDF: 2955417.4/20

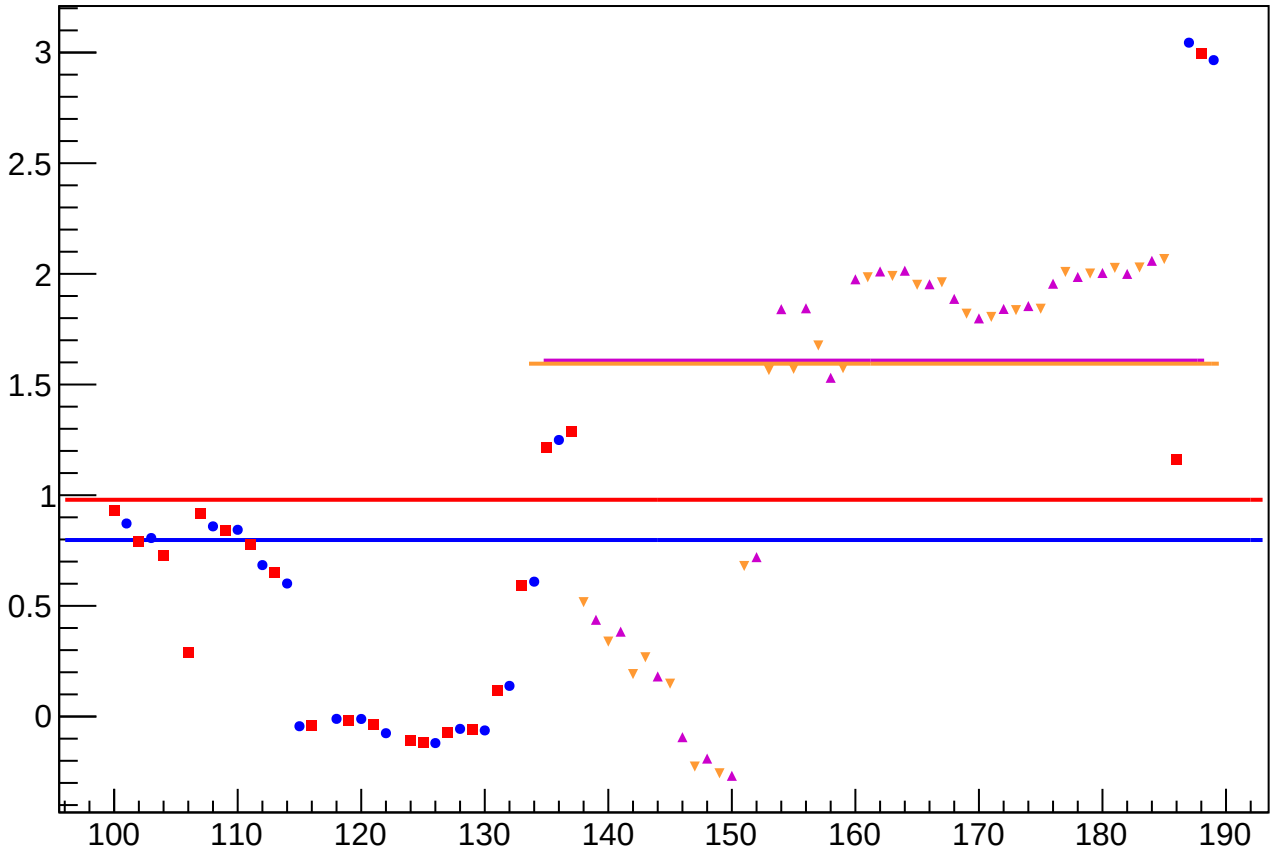
Left In: 0.004+/-0.000 χ^2/NDF:3121901.5/22

+ sign 0.004+/-0.000 χ^2/NDF: 4728717.6/42

All: 0.004+/-0.000 χ^2/NDF: 10947362.3/86

- sign 0.004+/-0.000 χ^2/NDF: 6120969.8/43

yield_bpm1i06X_mean vs Slug



Right In: 0.797+/-0.000 χ^2/NDF: 42349980259.5/17

Left Out: 1.594+/-0.000 χ^2/NDF:62632055963.2/24

Right Out: 0.979+/-0.000 χ^2/NDF: 55653617184.5/20

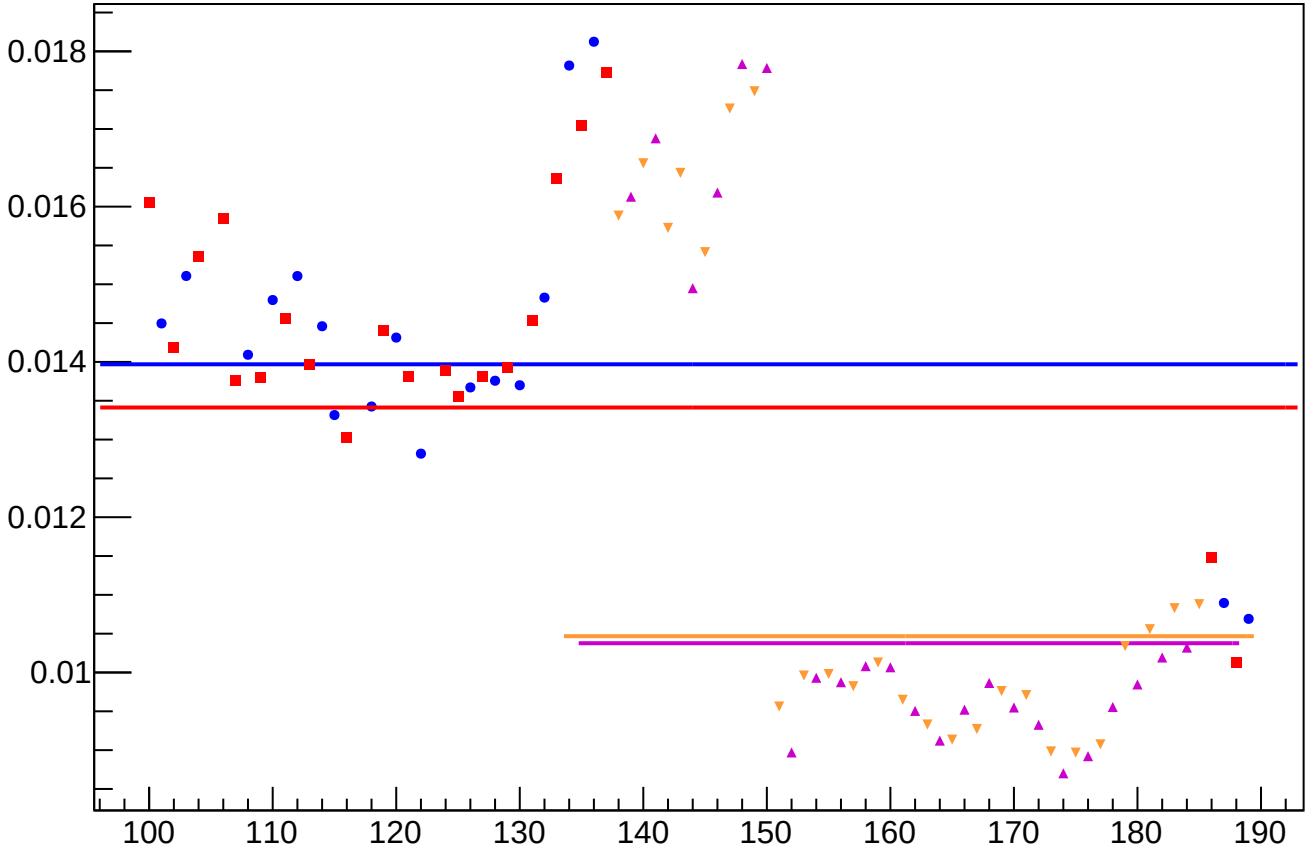
Left In: 1.608+/-0.000 χ^2/NDF:66403809503.4/22

+ sign 1.441+/-0.000 χ^2/NDF: 125303152378.8/42

All: 1.453+/-0.000 χ^2/NDF: 261841944661.2

- sign 1.465+/-0.000 χ^2/NDF: 136479779781.6/43

yield_bpm1i06X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 285125.3/17

Left Out: 0.010+/-0.000 χ^2/NDF:1661211.8/24

Right Out: 0.013+/-0.000 χ^2/NDF: 378463.7/20

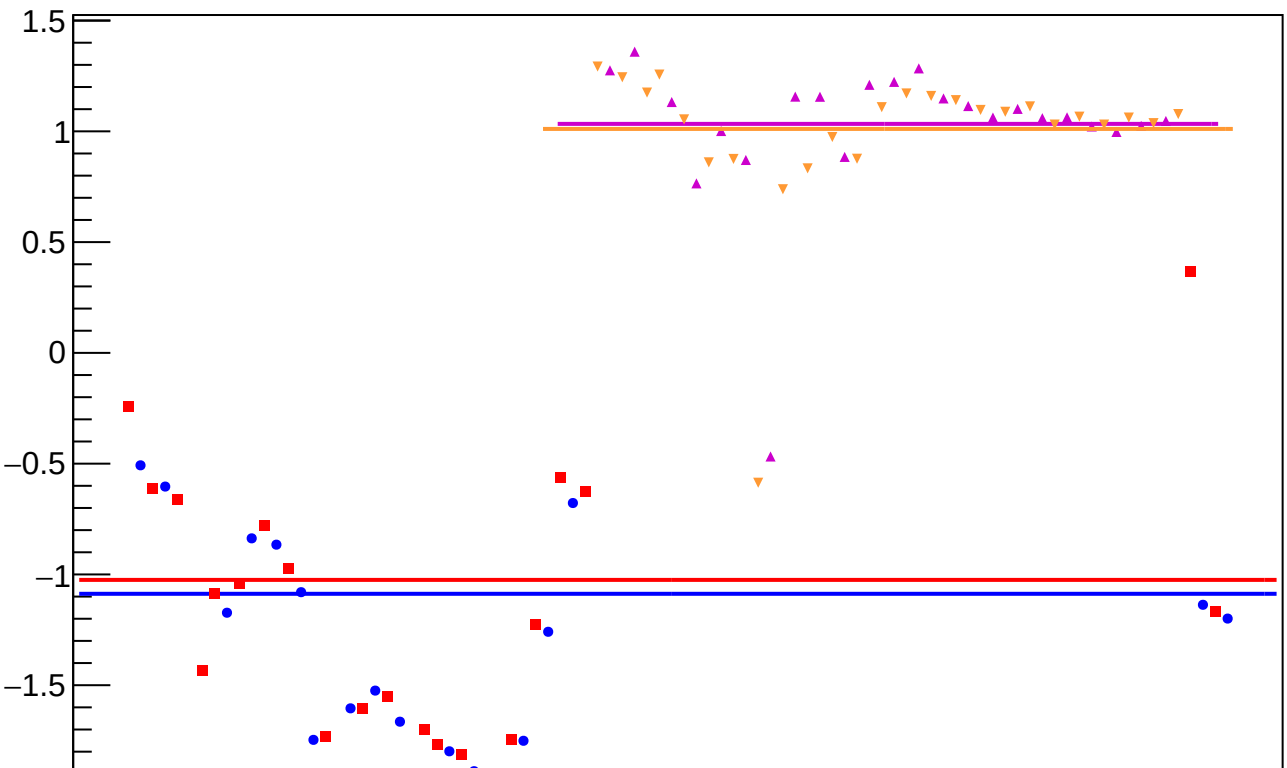
Left In: 0.010+/-0.000 χ^2/NDF:1710541.0/22

+ sign 0.011+/-0.000 χ^2/NDF: 2731532.1/42

All: 0.011+/-0.000 χ^2/NDF: 5494186.4/86

- sign 0.011+/-0.000 χ^2/NDF: 2761554.7/43

yield_bpm1i06Y_mean vs Slug



Right In: -1.087+/-0.000 χ^2/NDF: 59934832789.7/17

Left Out: 1.011+/-0.000 χ^2/NDF:111188616245.0/24

Right Out: -1.025+/-0.000 χ^2/NDF: 66650598322.8/20

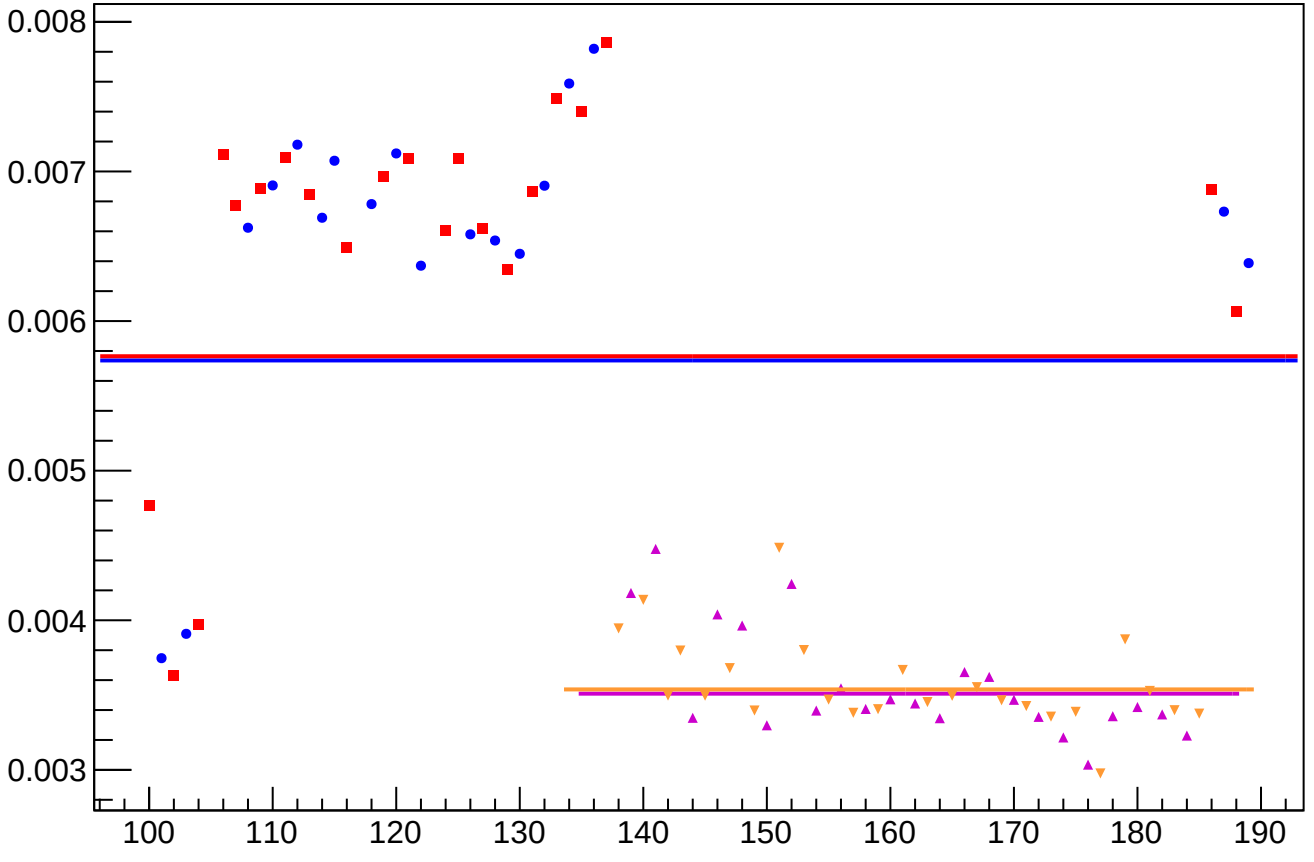
Left In: 1.034+/-0.000 χ^2/NDF:125385050389.9/22

+ sign 0.734+/-0.000 χ^2/NDF: 988875360981.4/42

All: 0.731+/-0.000 χ^2/NDF: 2025097289804.

- sign 0.729+/-0.000 χ^2/NDF: 1036204182703.7/43

yield_bpm1i06Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 964597.9/17

Left Out: 0.004+/-0.000 χ^2/NDF:215725.1/24

Right Out: 0.006+/-0.000 χ^2/NDF: 1008383.2/20

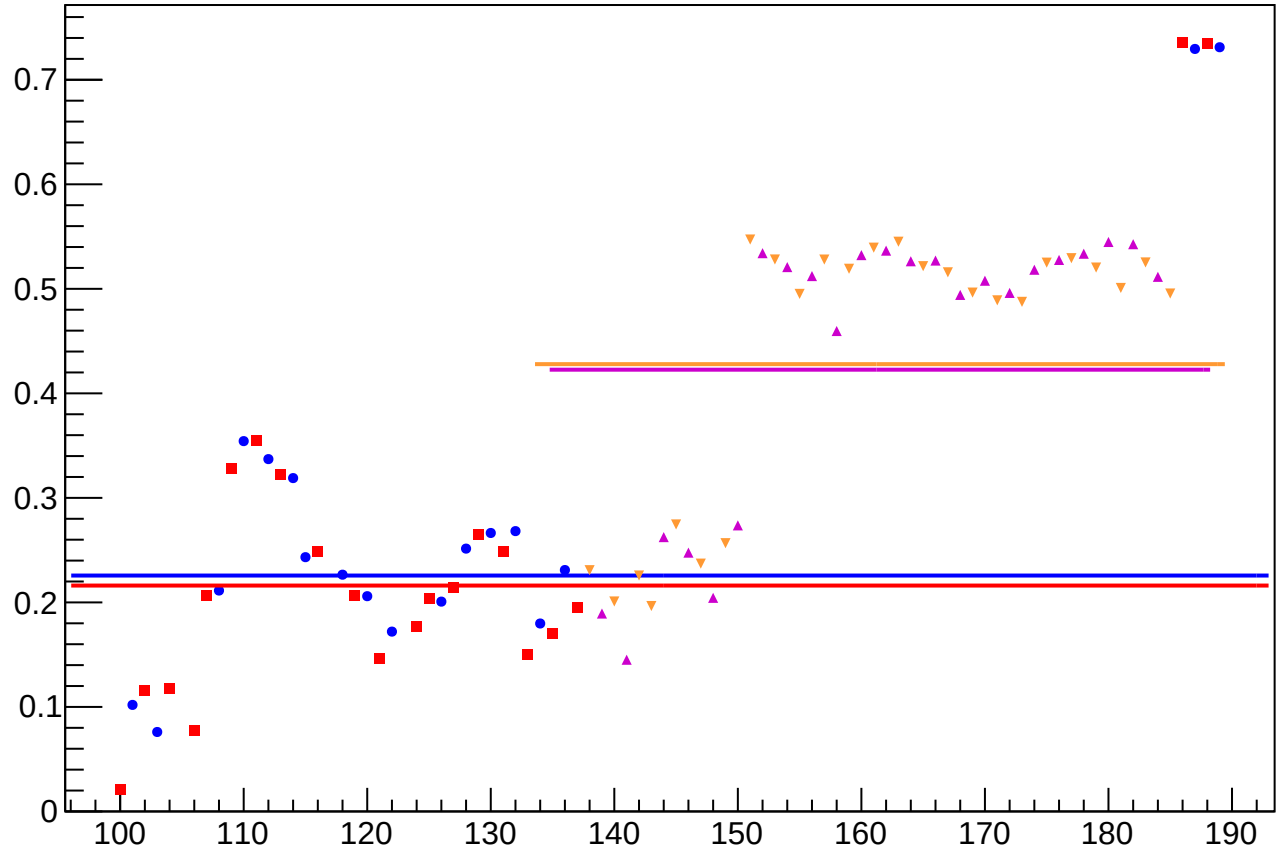
Left In: 0.004+/-0.000 χ^2/NDF:284960.7/22

+ sign 0.004+/-0.000 χ^2/NDF: 2976449.8/42

All: 0.004+/-0.000 χ^2/NDF: 6297292.7/86

- sign 0.004+/-0.000 χ^2/NDF: 3320482.0/43

yield_bpm2i01X_mean vs Slug



Right In: 0.226+/-0.000 χ^2/NDF: 27810602151.4/17

Left Out: 0.428+/-0.000 χ^2/NDF:153820853539.2/24

Right Out: 0.216+/-0.000 χ^2/NDF: 45625223763.8/20

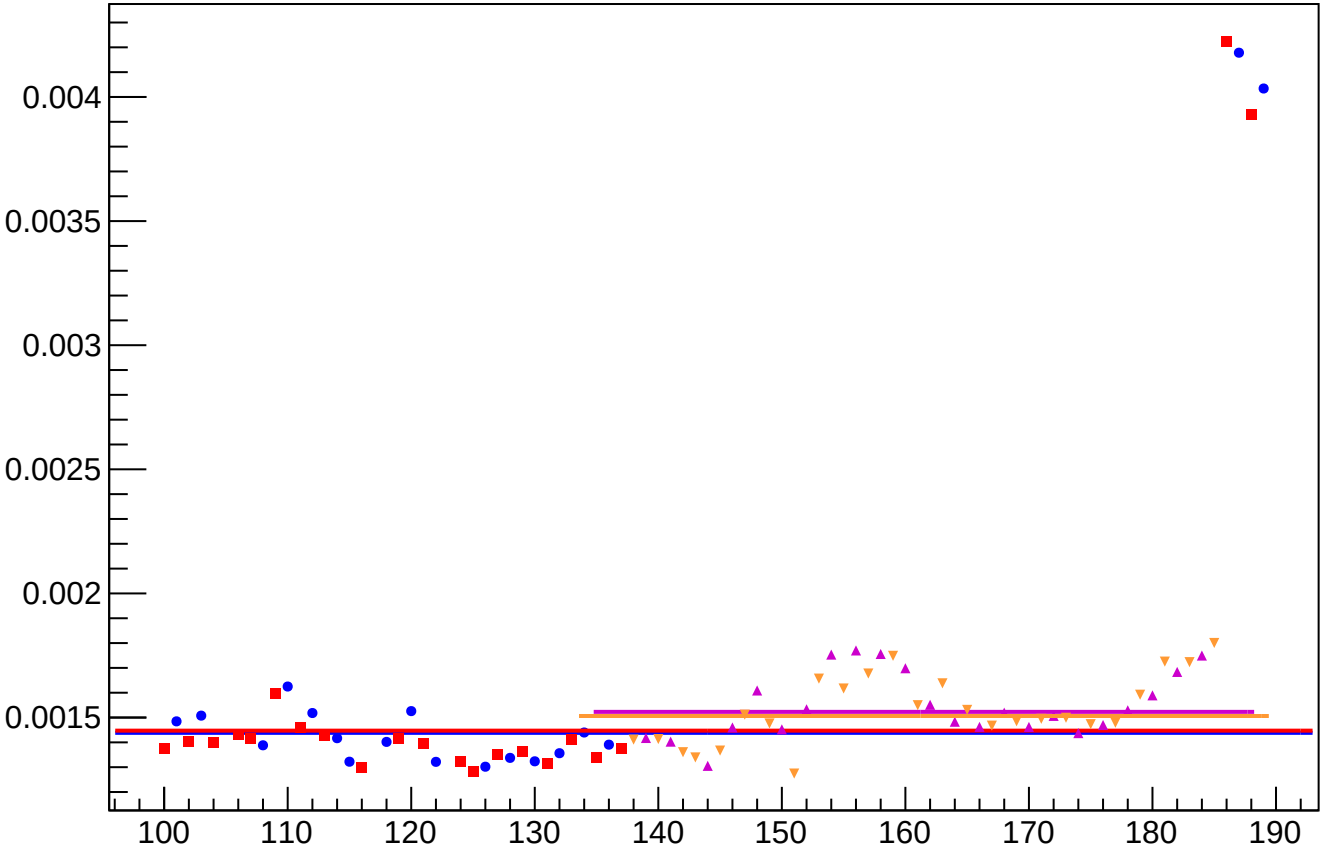
Left In: 0.423+/-0.000 χ^2/NDF:158122093061.2/22

+ sign 0.368+/-0.000 χ^2/NDF: 283715860647.1/42

All: 0.361+/-0.000 χ^2/NDF: 598873577947.5

- sign 0.354+/-0.000 χ^2/NDF: 313990808839.0/43

yield_bpm2i01X_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 650158.3/17

Left Out: 0.002+/-0.000 χ^2/NDF:278895.8/24

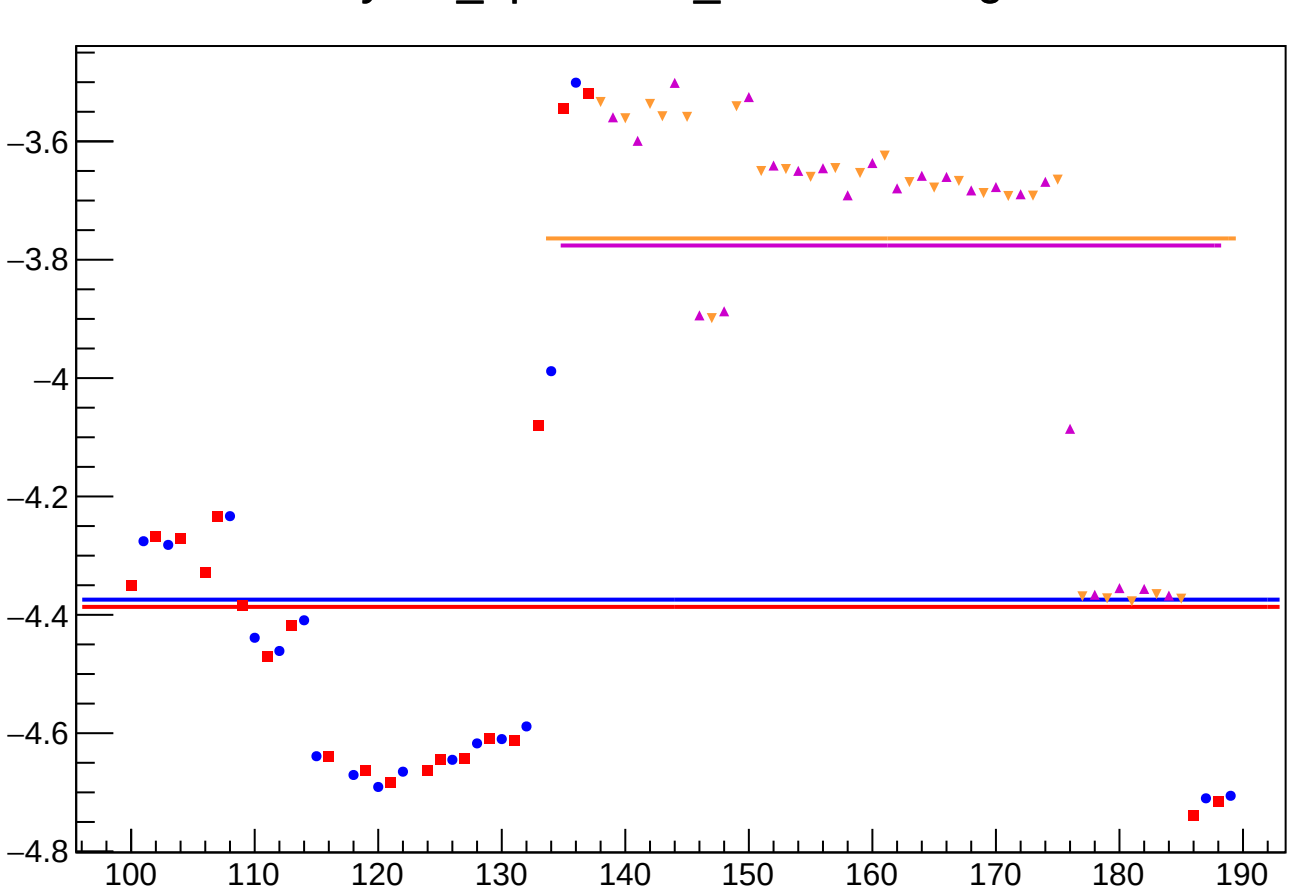
Right Out: 0.001+/-0.000 χ^2/NDF: 1173426.1/20

Left In: 0.002+/-0.000 χ^2/NDF:234679.9/22

+ sign 0.001+/-0.000 χ^2/NDF: 952019.2/42

All: 0.001+/-0.000 χ^2/NDF: 2391308.0/86

- sign 0.001+/-0.000 χ^2/NDF: 1437705.7/43



Right In: -4.374+/-0.000 χ^2/NDF: 359978230356.3/17

Left Out: -3.764+/-0.000 χ^2/NDF:483461311370.8/24

Right Out: -4.387+/-0.000 χ^2/NDF: 312245301242.8/20

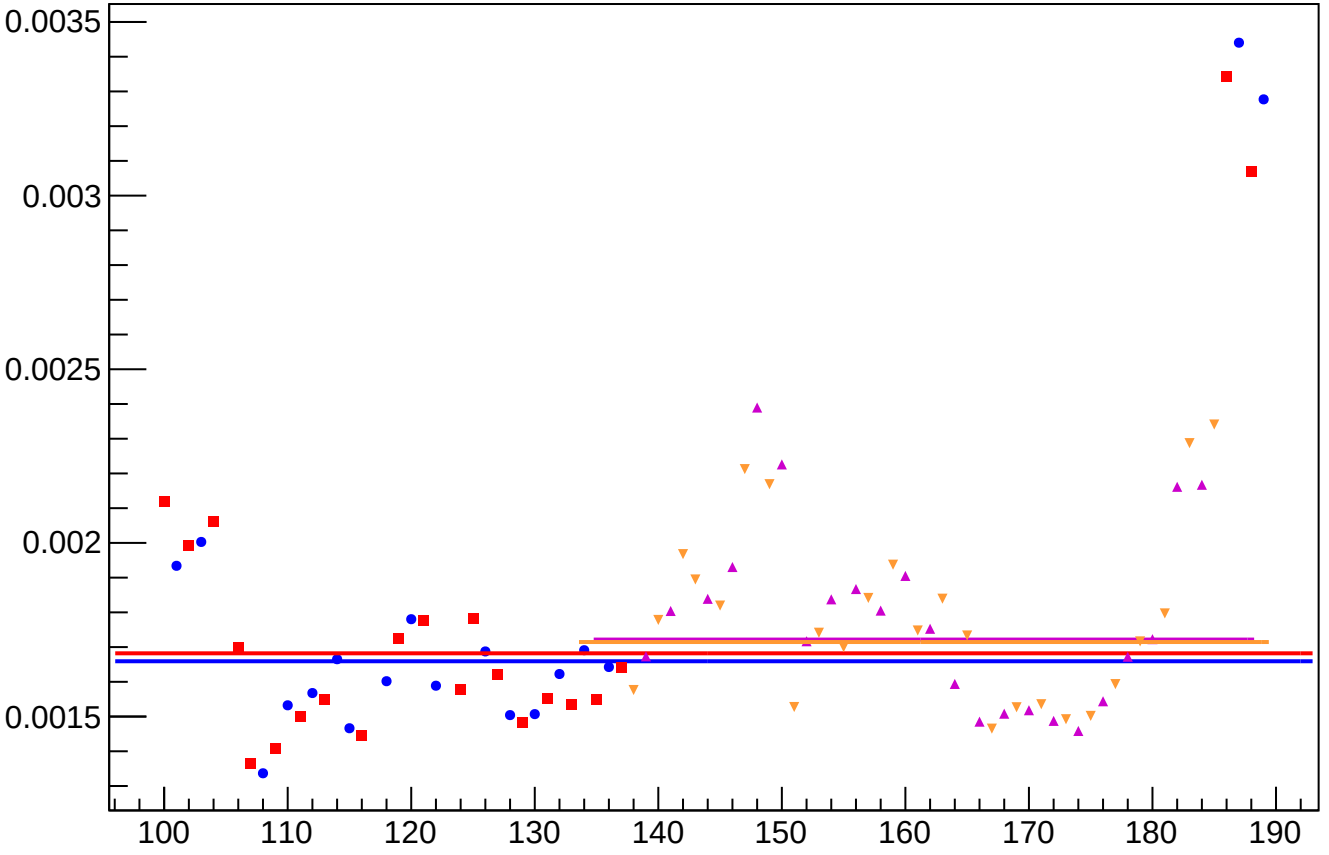
Left In: -3.776+/-0.000 χ^2/NDF:402659987166.3/22

+ sign -3.946+/-0.000 χ^2/NDF: 1544010674886.0/4

All: -3.961+/-0.000 χ^2/NDF: 298630627489

- sign -3.976+/-0.000 χ^2/NDF: 1438340951638.1/43

yield_bpm2i01Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 486803.5/17

Left Out: 0.002+/-0.000 χ^2/NDF:562338.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 799432.4/20

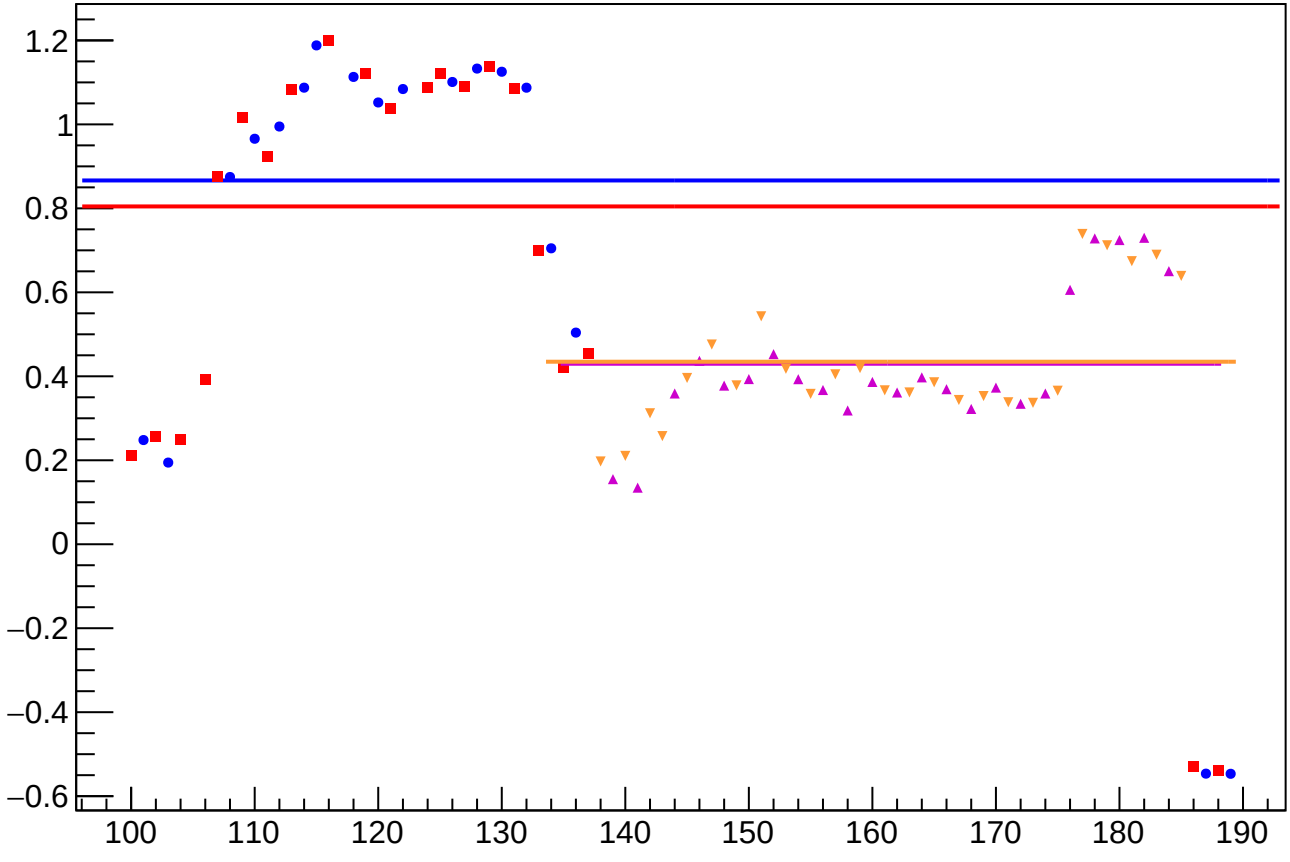
Left In: 0.002+/-0.000 χ^2/NDF:581878.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 1060679.7/42

All: 0.002+/-0.000 χ^2/NDF: 2449060.3/86

- sign 0.002+/-0.000 χ^2/NDF: 1387378.1/43

yield_bpm2i02X_mean vs Slug



Right In: 0.866+/-0.000 χ^2/NDF: 28379091495.1/17

Left Out: 0.435+/-0.000 χ^2/NDF:8515333254.7/24

Right Out: 0.805+/-0.000 χ^2/NDF: 42331874604.4/20

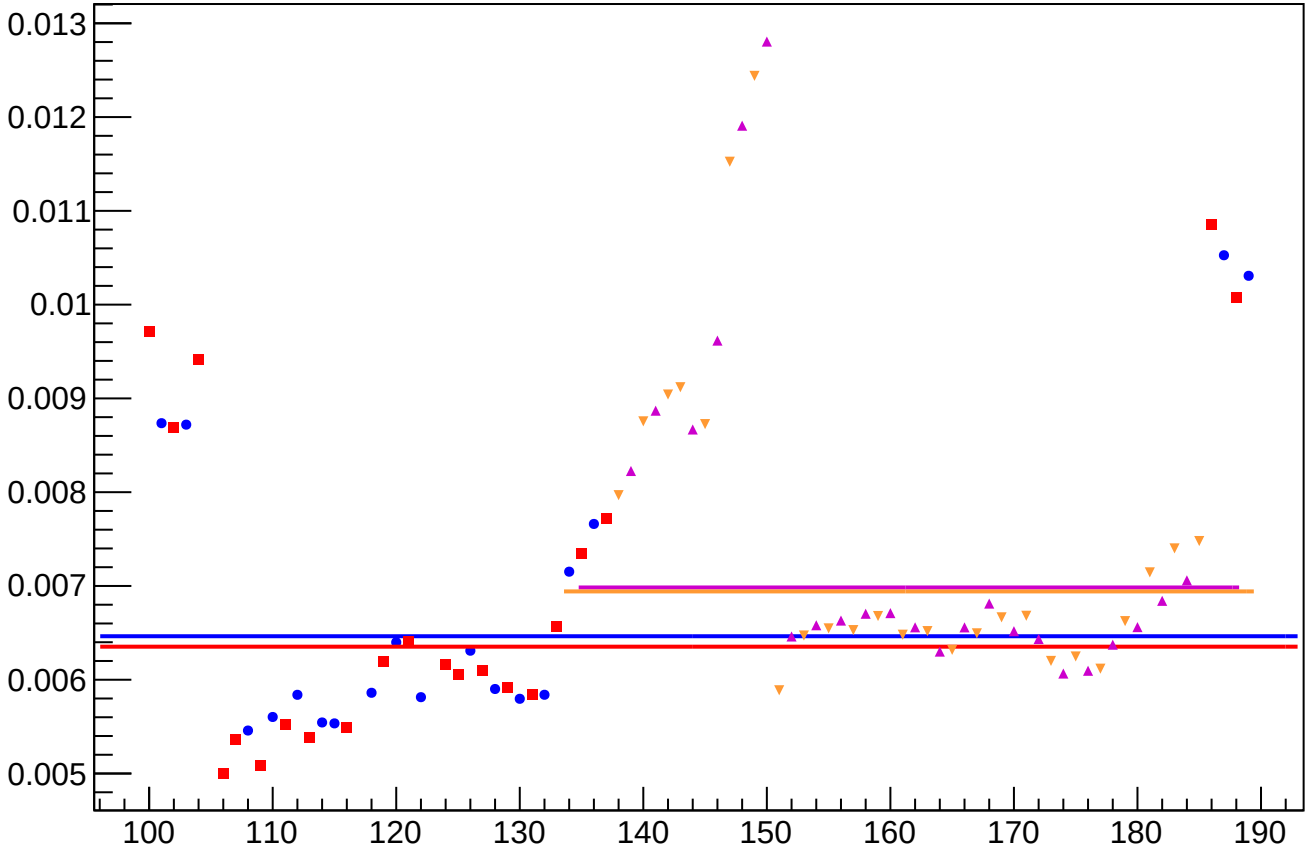
Left In: 0.430+/-0.000 χ^2/NDF:9041195997.1/22

+ sign 0.573+/-0.000 χ^2/NDF: 60017860166.4/42

All: 0.570+/-0.000 χ^2/NDF: 129966762770.4

- sign 0.567+/-0.000 χ^2/NDF: 69938111351.6/43

yield_bpm2i02X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 546143.9/17

Left Out: 0.007+/-0.000 χ^2/NDF:1090916.4/24

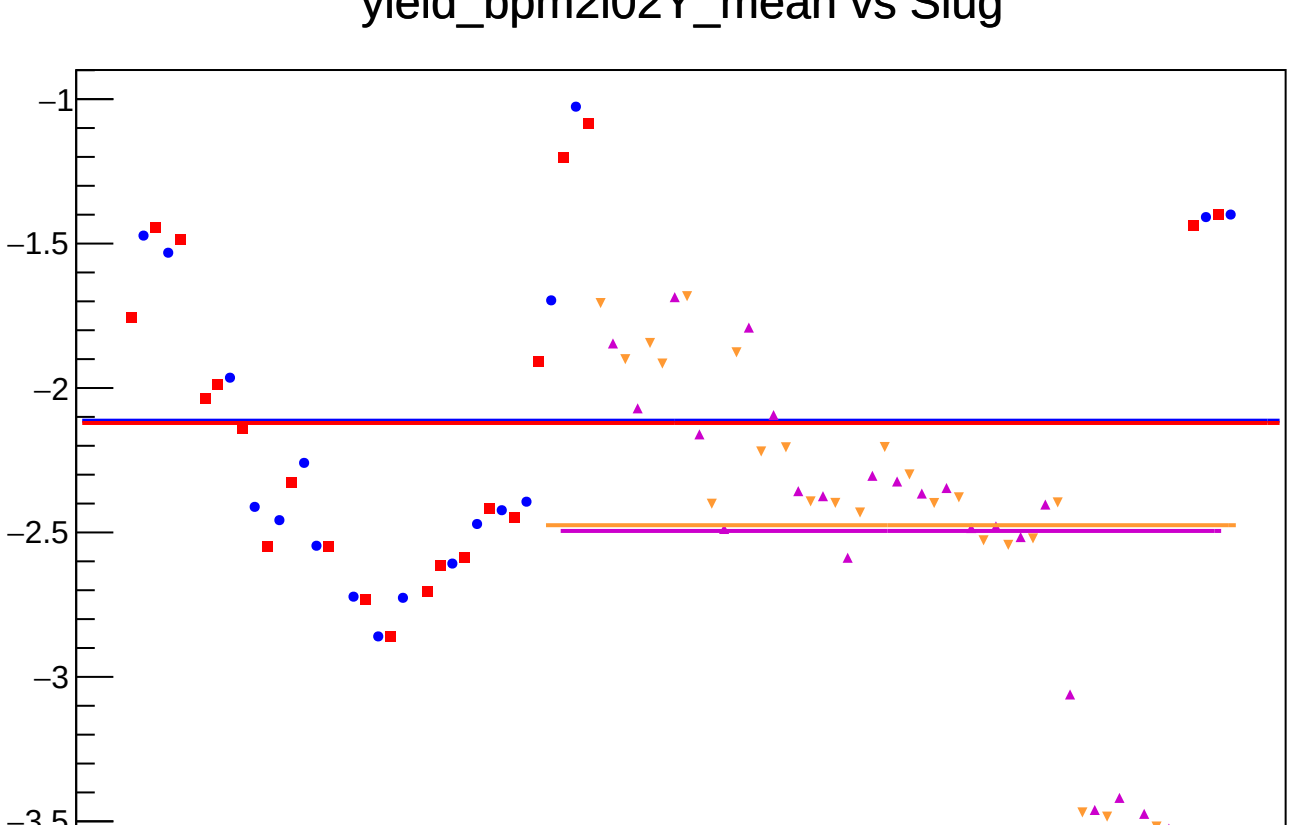
Right Out: 0.006+/-0.000 χ^2/NDF: 863738.3/20

Left In: 0.007+/-0.000 χ^2/NDF:1136529.0/22

+ sign 0.007+/-0.000 χ^2/NDF: 1693727.8/42

All: 0.007+/-0.000 χ^2/NDF: 3800113.6/86

- sign 0.007+/-0.000 χ^2/NDF: 2105665.2/43



Right In: -2.113+/-0.000 χ^2/NDF: 69490233276.9/17

Left Out: -2.475+/-0.000 χ^2/NDF:122955897541.5/24

Right Out: -2.121+/-0.000 χ^2/NDF: 65533529933.0/20

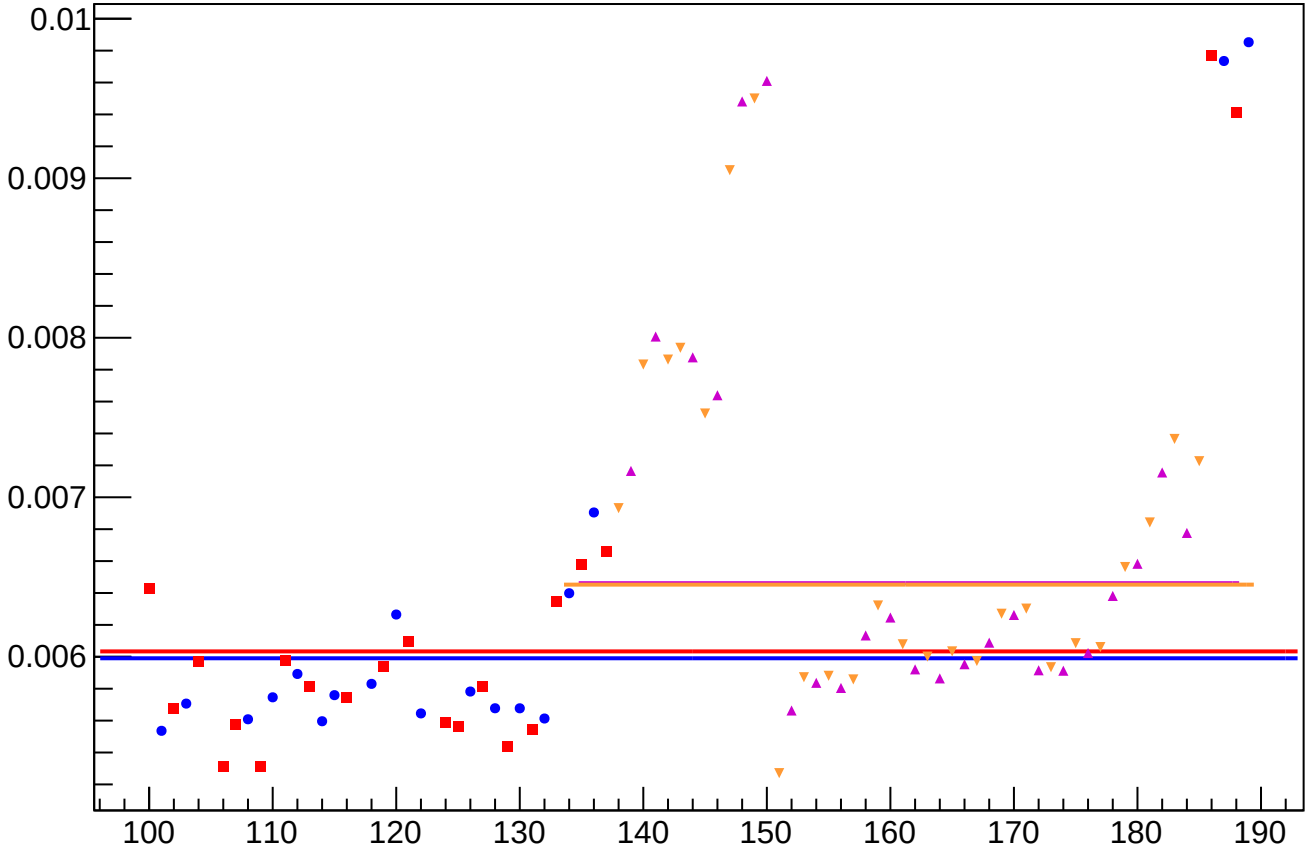
Left In: -2.495+/-0.000 χ^2/NDF:96774638297.6/22

+ sign -2.358+/-0.000 χ^2/NDF: 211674519597.2/42

All: -2.360+/-0.000 χ^2/NDF: 395316545502.2

- sign -2.362+/-0.000 χ^2/NDF: 183637169093.9/43

yield_bpm2i02Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 283788.3/17

Left Out: 0.006+/-0.000 χ^2/NDF:713238.0/24

Right Out: 0.006+/-0.000 χ^2/NDF: 447166.2/20

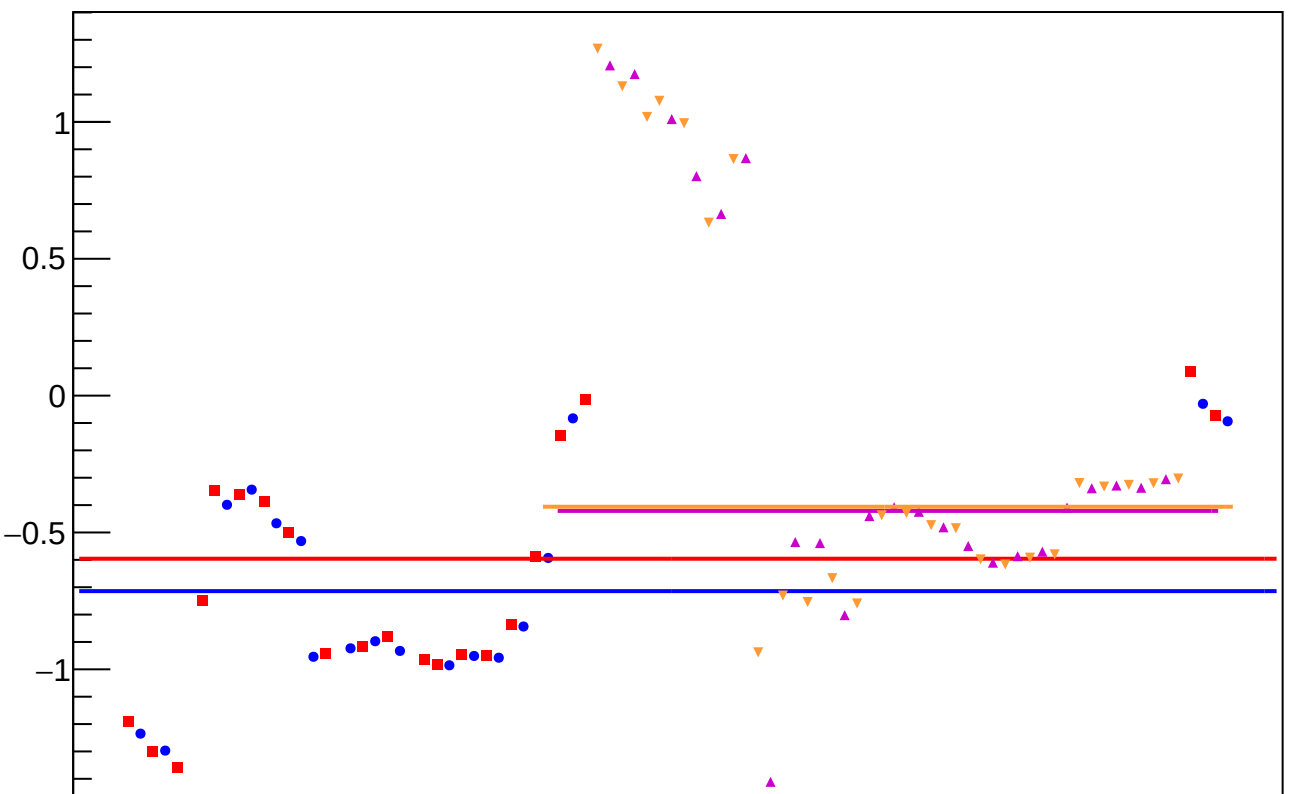
Left In: 0.006+/-0.000 χ^2/NDF:720640.7/22

+ sign 0.006+/-0.000 χ^2/NDF: 1059629.2/42

All: 0.006+/-0.000 χ^2/NDF: 2283290.4/86

- sign 0.006+/-0.000 χ^2/NDF: 1223636.6/43

yield_bpm0i01X_mean vs Slug



Right In: -0.714+/-0.000 χ^2/NDF: 12355433483.1/17

Left Out: -0.406+/-0.000 χ^2/NDF:81633647828.2/24

Right Out: -0.596+/-0.000 χ^2/NDF: 18606613194.5/20

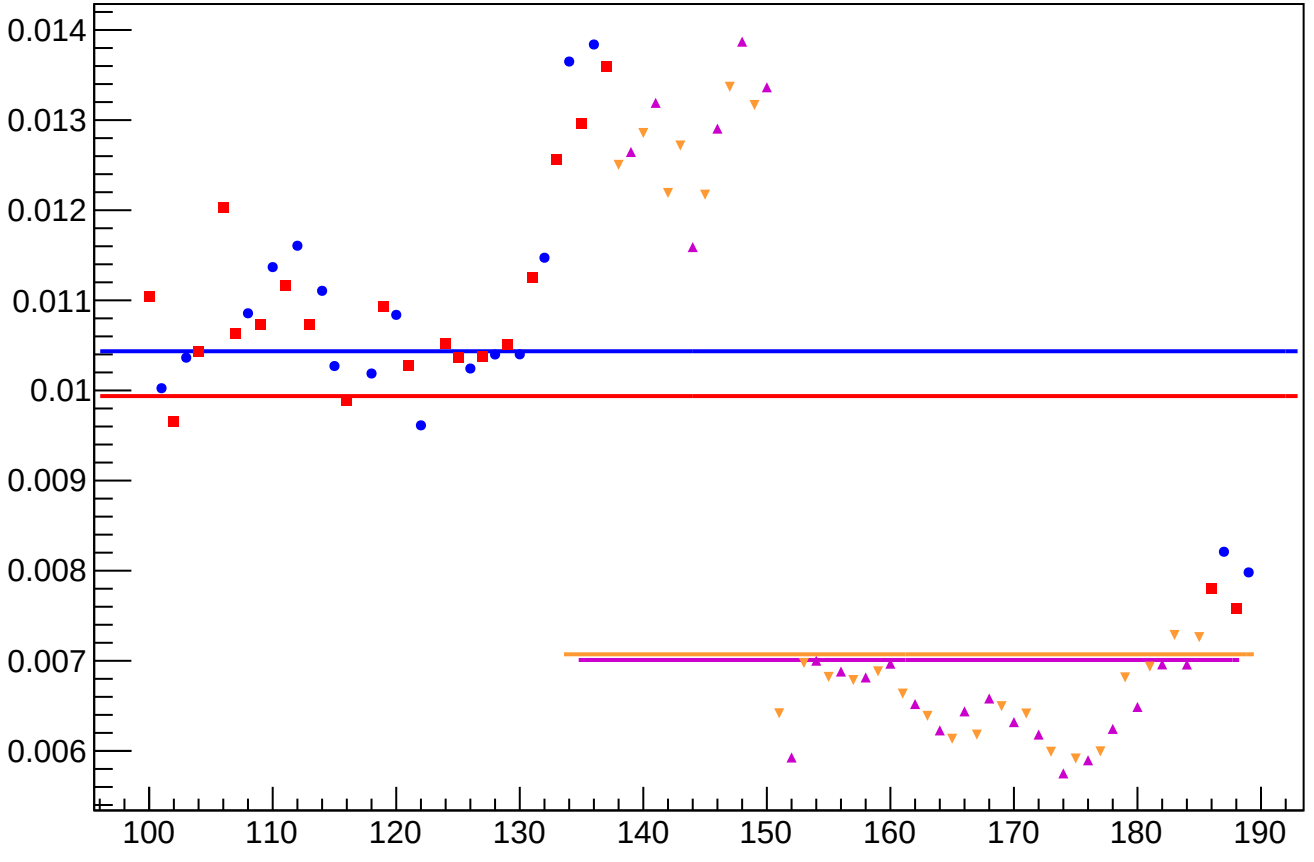
Left In: -0.421+/-0.000 χ^2/NDF:90241717621.7/22

+ sign -0.457+/-0.000 χ^2/NDF: 99577108849.8/42

All: -0.457+/-0.000 χ^2/NDF: 210508256219.3

- sign -0.456+/-0.000 χ^2/NDF: 110930986630.9/43

yield_bpm0i01X_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 306168.4/17

Left Out: 0.007+/-0.000 χ^2/NDF:2384159.5/24

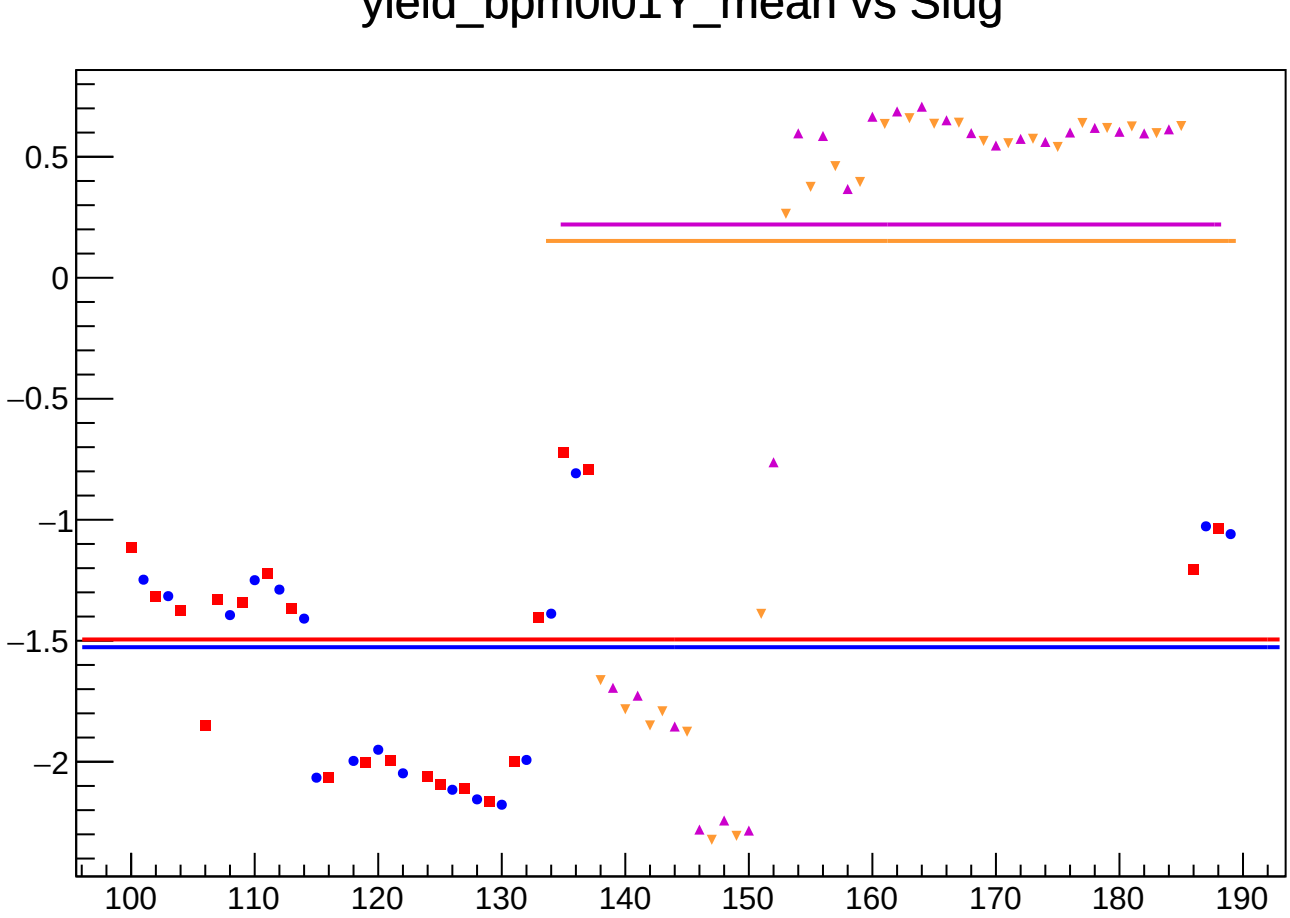
Right Out: 0.010+/-0.000 χ^2/NDF: 435294.0/20

Left In: 0.007+/-0.000 χ^2/NDF:2456348.6/22

+ sign 0.008+/-0.000 χ^2/NDF: 4019544.5/42

All: 0.008+/-0.000 χ^2/NDF: 8081526.0/86

- sign 0.008+/-0.000 χ^2/NDF: 4061484.4/43



Right In: -1.527+/-0.000 χ^2/NDF: 168989455614.5/17

Left Out: 0.152+/-0.000 χ^2/NDF:2398778835341.2/24

Right Out: -1.495+/-0.000 χ^2/NDF: 156018754620.0/20

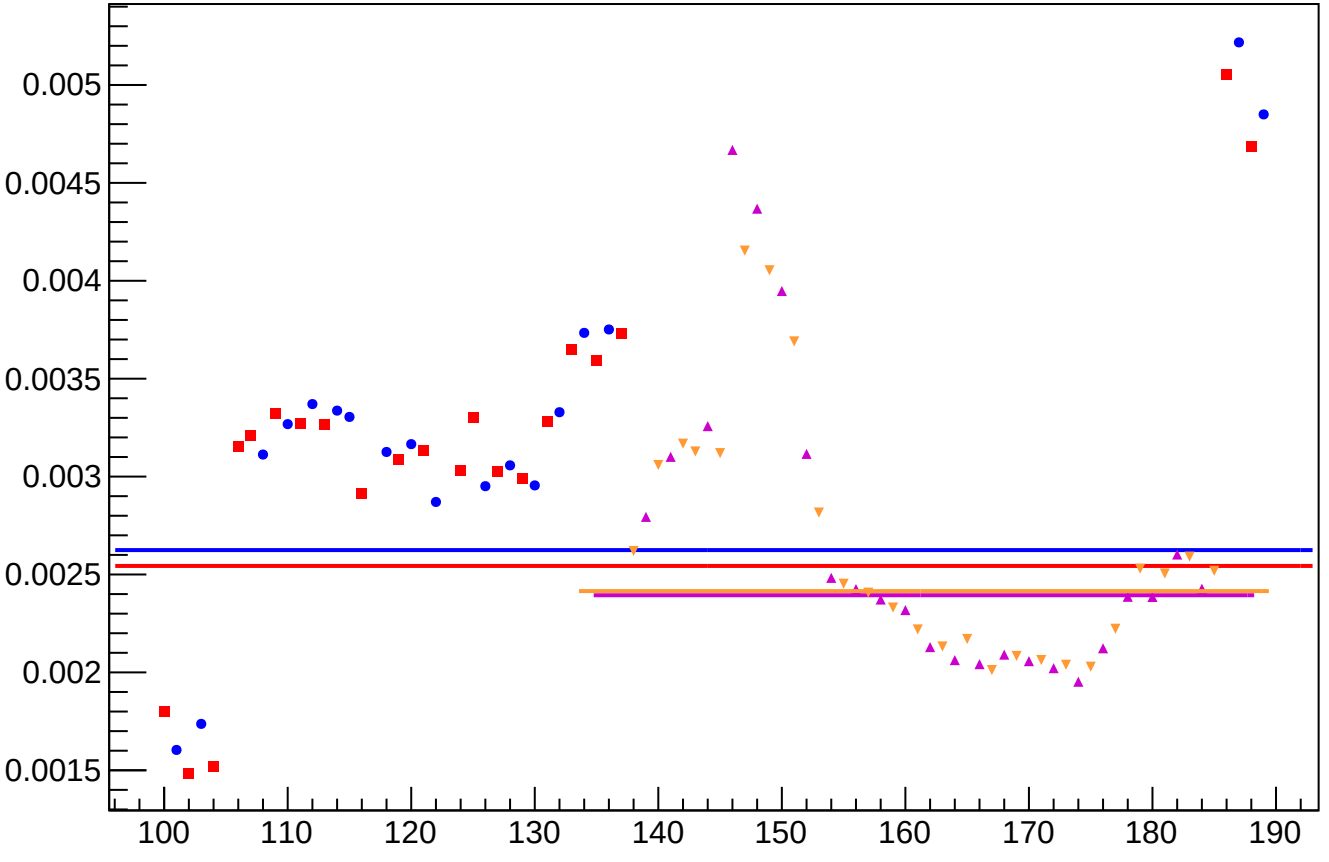
Left In: 0.220+/-0.000 χ^2/NDF:2121977245985.6/22

+ sign -0.261+/-0.000 χ^2/NDF: 4600207744519.9/4

All: -0.259+/-0.000 χ^2/NDF: 916147266970

- sign -0.257+/-0.000 χ^2/NDF: 4561231968701.8/43

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 1485309.8/17

Left Out: 0.002+/-0.000 χ^2/NDF:1220406.4/24

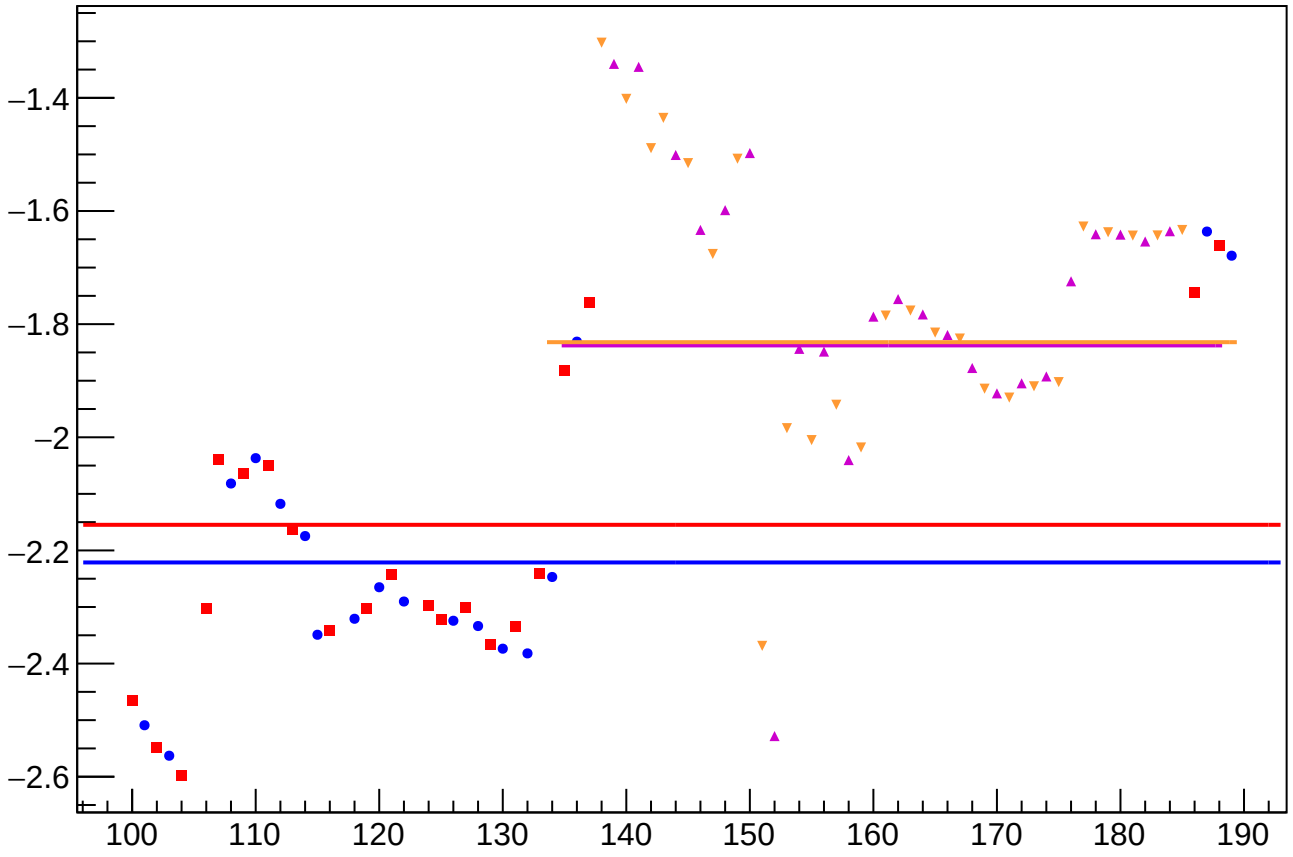
Right Out: 0.003+/-0.000 χ^2/NDF: 2176514.1/20

Left In: 0.002+/-0.000 χ^2/NDF:1409595.4/22

+ sign 0.002+/-0.000 χ^2/NDF: 2768991.2/42

All: 0.002+/-0.000 χ^2/NDF: 6393589.8/86

- sign 0.002+/-0.000 χ^2/NDF: 3620865.1/43



Right In: -2.221+/-0.000 χ^2/NDF: 13992417540.2/17

Left Out: -1.832+/-0.000 χ^2/NDF:38365576589.1/24

Right Out: -2.155+/-0.000 χ^2/NDF: 20768556571.1/20

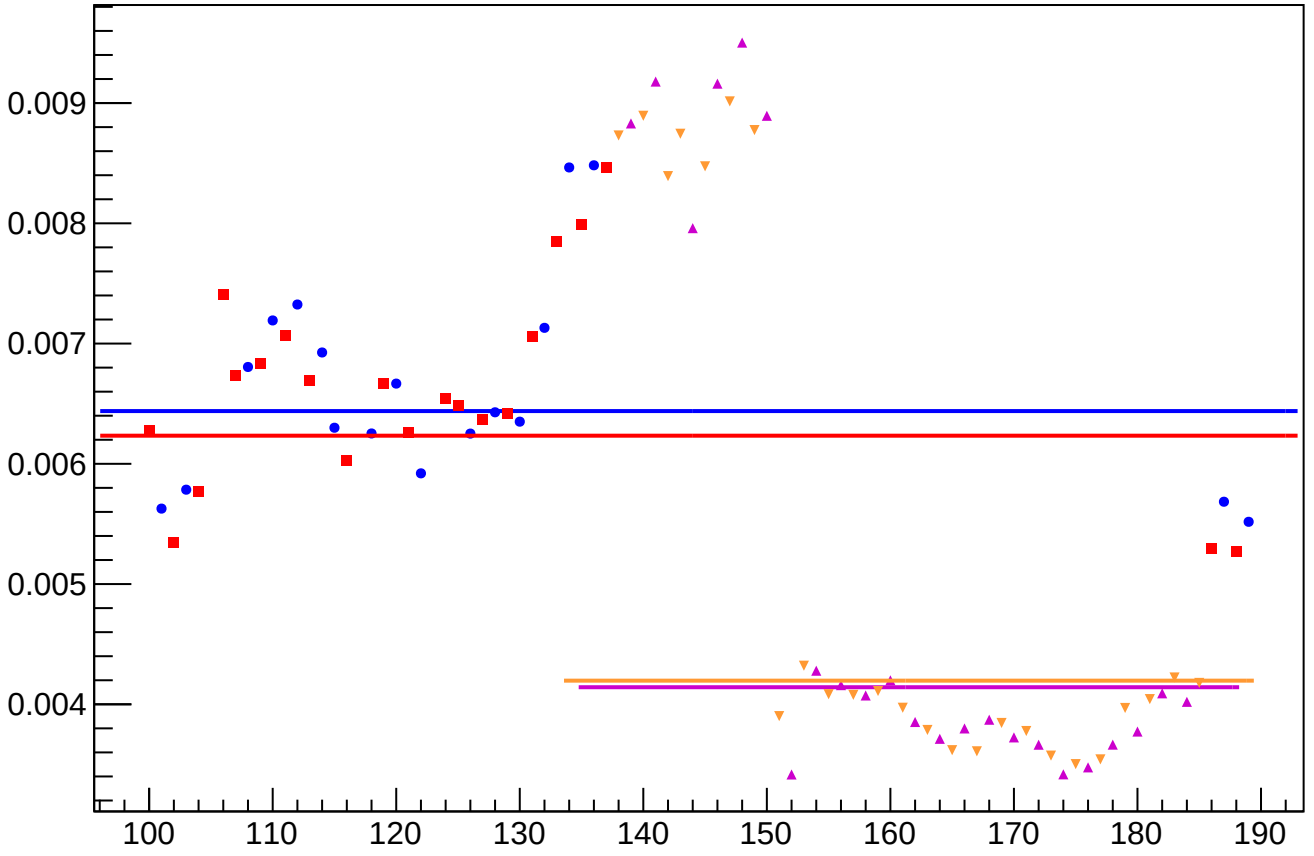
Left In: -1.838+/-0.000 χ^2/NDF:53437434367.2/22

+ sign -1.893+/-0.000 χ^2/NDF: 75752379422.7/42

All: -1.895+/-0.000 χ^2/NDF: 167637871754.

- sign -1.897+/-0.000 χ^2/NDF: 91878841545.4/43

yield_bpm0i01aX_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 261829.3/17

Left Out: 0.004+/-0.000 χ^2/NDF:3091489.2/24

Right Out: 0.006+/-0.000 χ^2/NDF: 300012.4/20

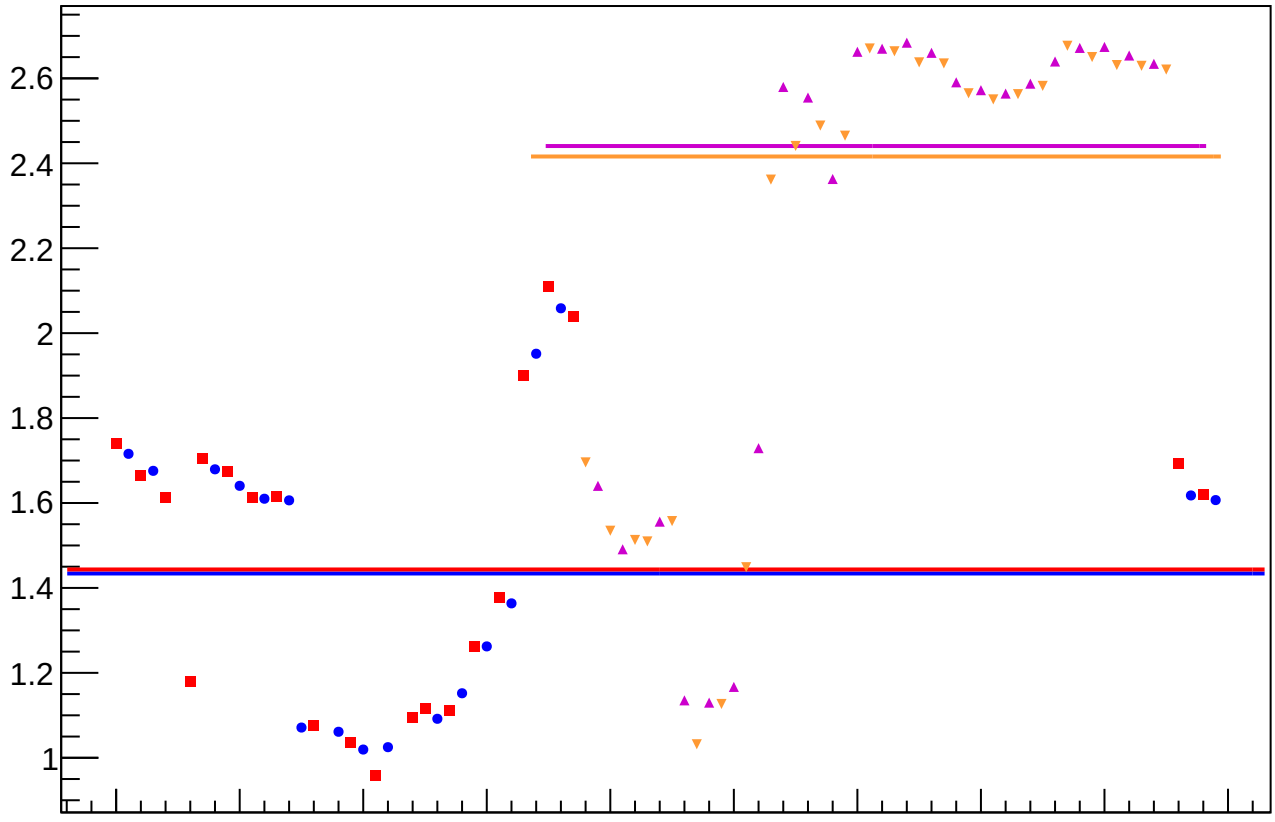
Left In: 0.004+/-0.000 χ^2/NDF:3193924.3/22

+ sign 0.005+/-0.000 χ^2/NDF: 4904270.4/42

All: 0.005+/-0.000 χ^2/NDF: 9936580.5/86

- sign 0.005+/-0.000 χ^2/NDF: 5031917.3/43

yield_bpm0i01aY_mean vs Slug



Right In: 1.434+/-0.000 χ^2/NDF: 189952600457.1/17

Left Out: 2.416+/-0.000 χ^2/NDF:242949391498.0/24

Right Out: 1.443+/-0.000 χ^2/NDF: 184224832973.1/20

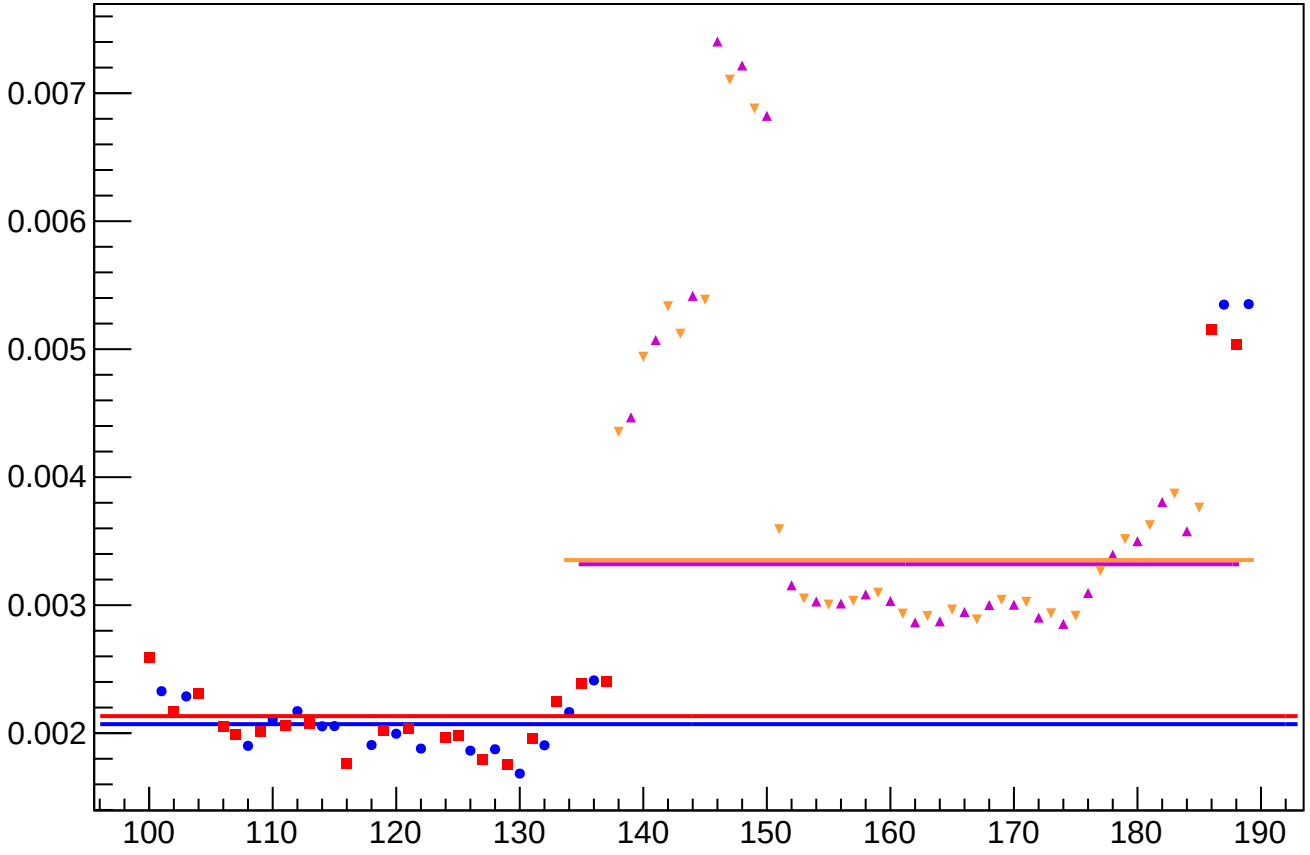
Left In: 2.441+/-0.000 χ^2/NDF:231724954471.8/22

+ sign 1.910+/-0.000 χ^2/NDF: 1204311304188.8/42

All: 1.910+/-0.000 χ^2/NDF: 2404198553794.

- sign 1.910+/-0.000 χ^2/NDF: 1199887198786.5/43

yield_bpm0i01aY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 692545.0/17

Left Out: 0.003+/-0.000 χ^2/NDF:1819921.4/24

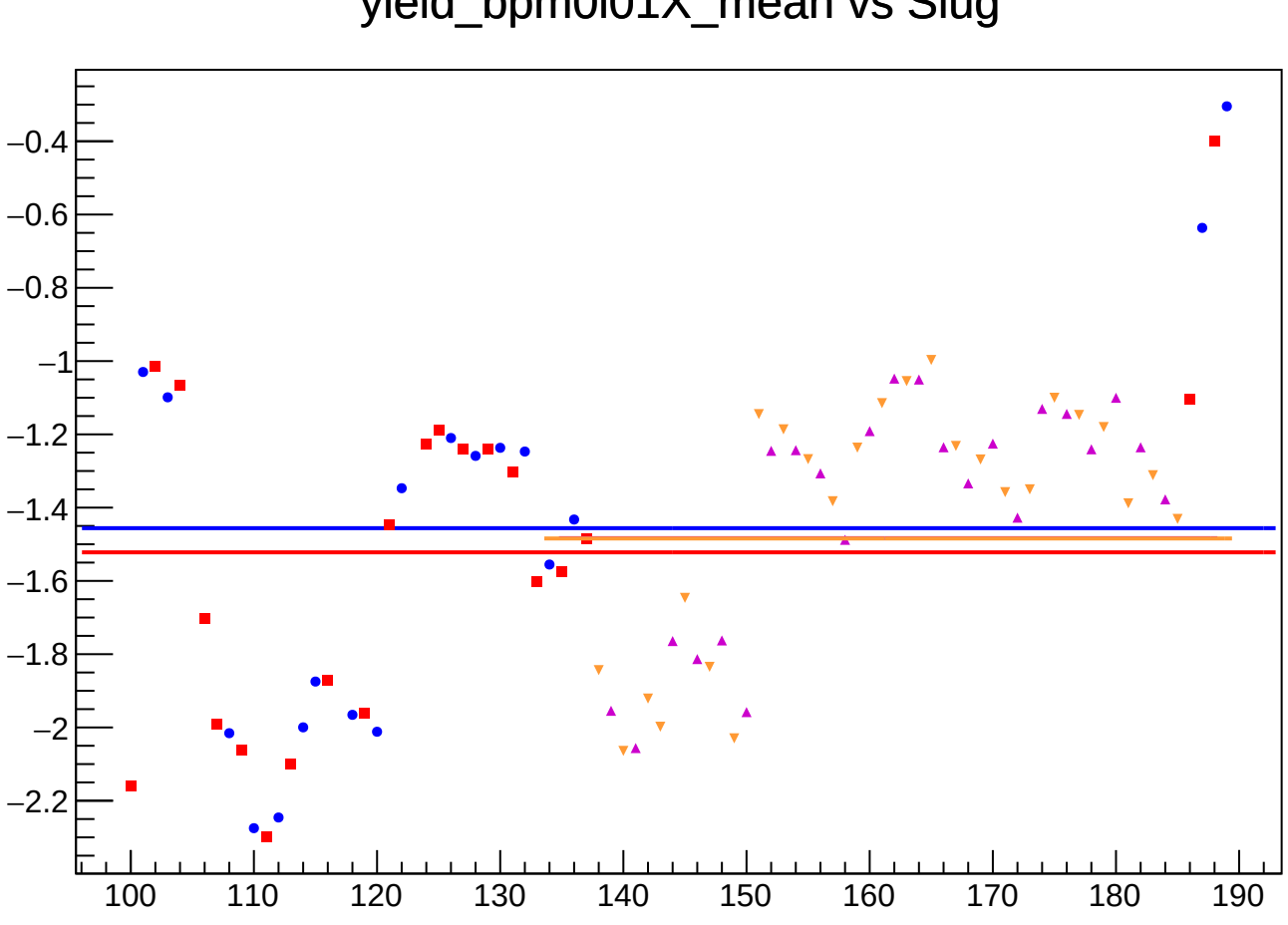
Right Out: 0.002+/-0.000 χ^2/NDF: 1060518.9/20

Left In: 0.003+/-0.000 χ^2/NDF:2055631.9/22

+ sign 0.003+/-0.000 χ^2/NDF: 5142399.4/42

All: 0.003+/-0.000 χ^2/NDF: 10478229.6/86

- sign 0.003+/-0.000 χ^2/NDF: 5335796.1/43



Right In: -1.456+/-0.000 χ^2/NDF: 29861473443.7/17

Left Out: -1.484+/-0.000 χ^2/NDF:48438764764.6/24

Right Out: -1.522+/-0.000 χ^2/NDF: 43190937602.8/20

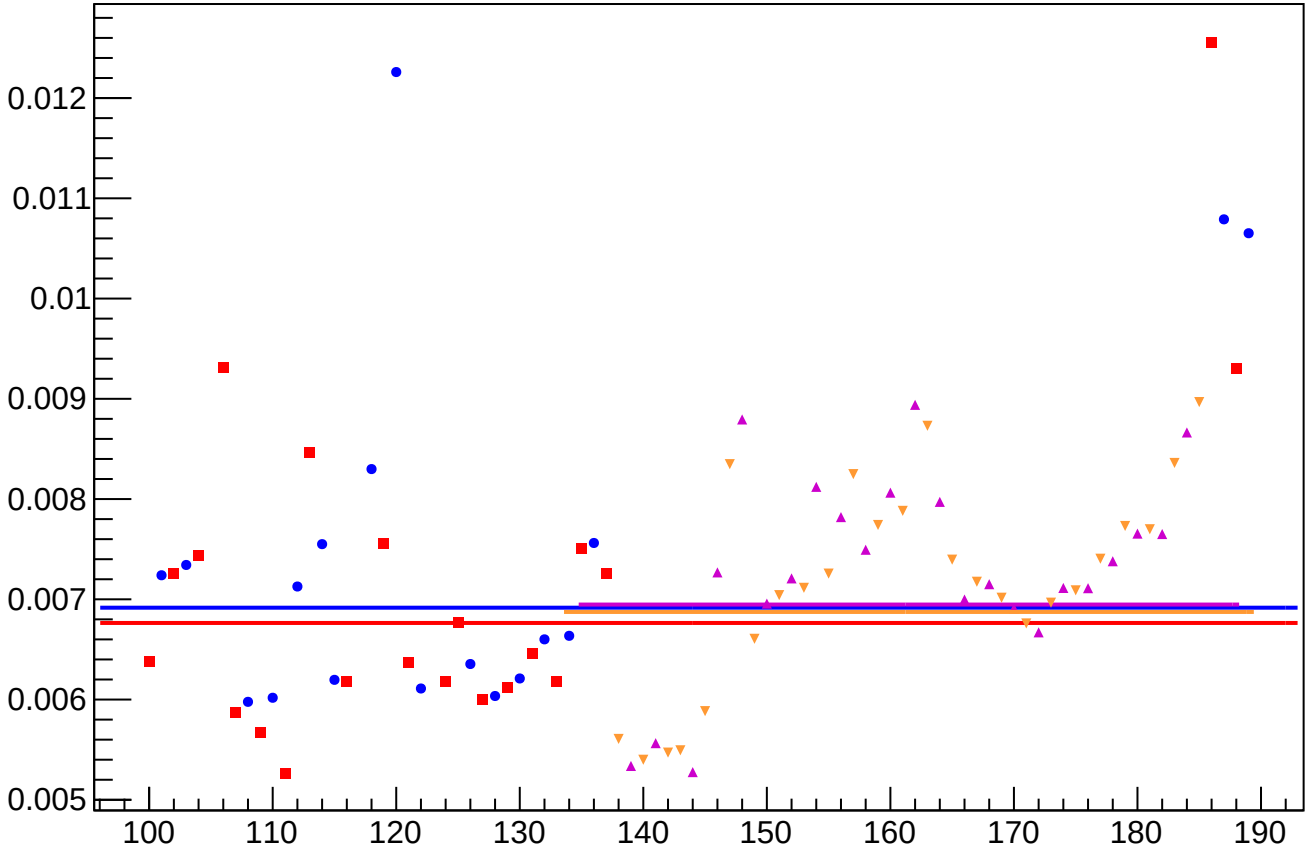
Left In: -1.483+/-0.000 χ^2/NDF:40353431150.9/22

+ sign -1.476+/-0.000 χ^2/NDF: 78384833342.7/42

All: -1.486+/-0.000 χ^2/NDF: 162208190976.6

- sign -1.496+/-0.000 χ^2/NDF: 83719521808.8/43

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 407375.1/17

Left Out: 0.007+/-0.000 χ^2/NDF:745531.3/24

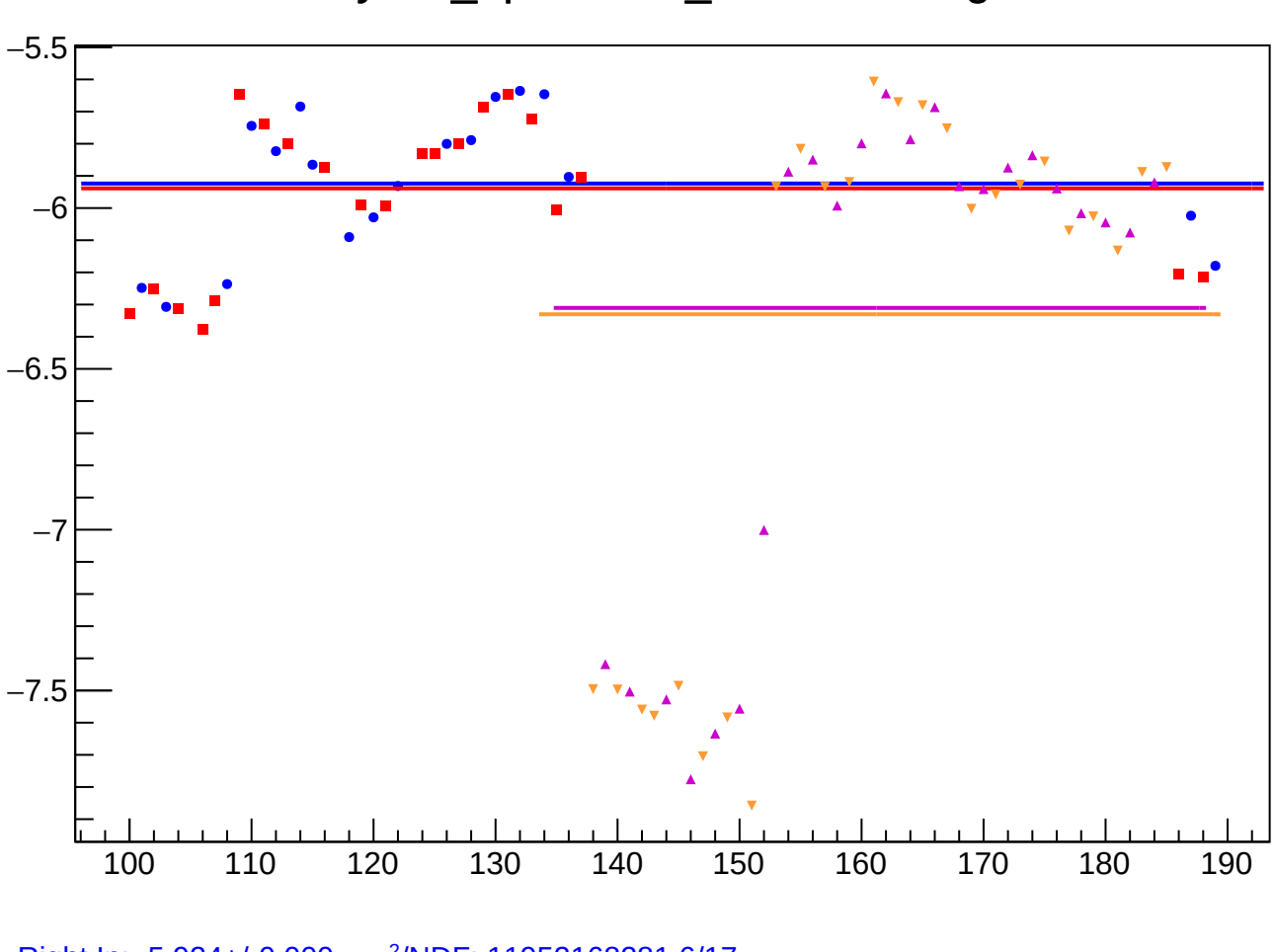
Right Out: 0.007+/-0.000 χ^2/NDF: 548764.2/20

Left In: 0.007+/-0.000 χ^2/NDF:746731.6/22

+ sign 0.007+/-0.000 χ^2/NDF: 1153290.6/42

All: 0.007+/-0.000 χ^2/NDF: 2456670.2/86

- sign 0.007+/-0.000 χ^2/NDF: 1303379.1/43



Right In: -5.924+/-0.000 χ^2/NDF: 11952168281.6/17

Left Out: -6.330+/-0.000 χ^2/NDF:110328634370.4/24

Right Out: -5.939+/-0.000 χ^2/NDF: 13285872053.9/20

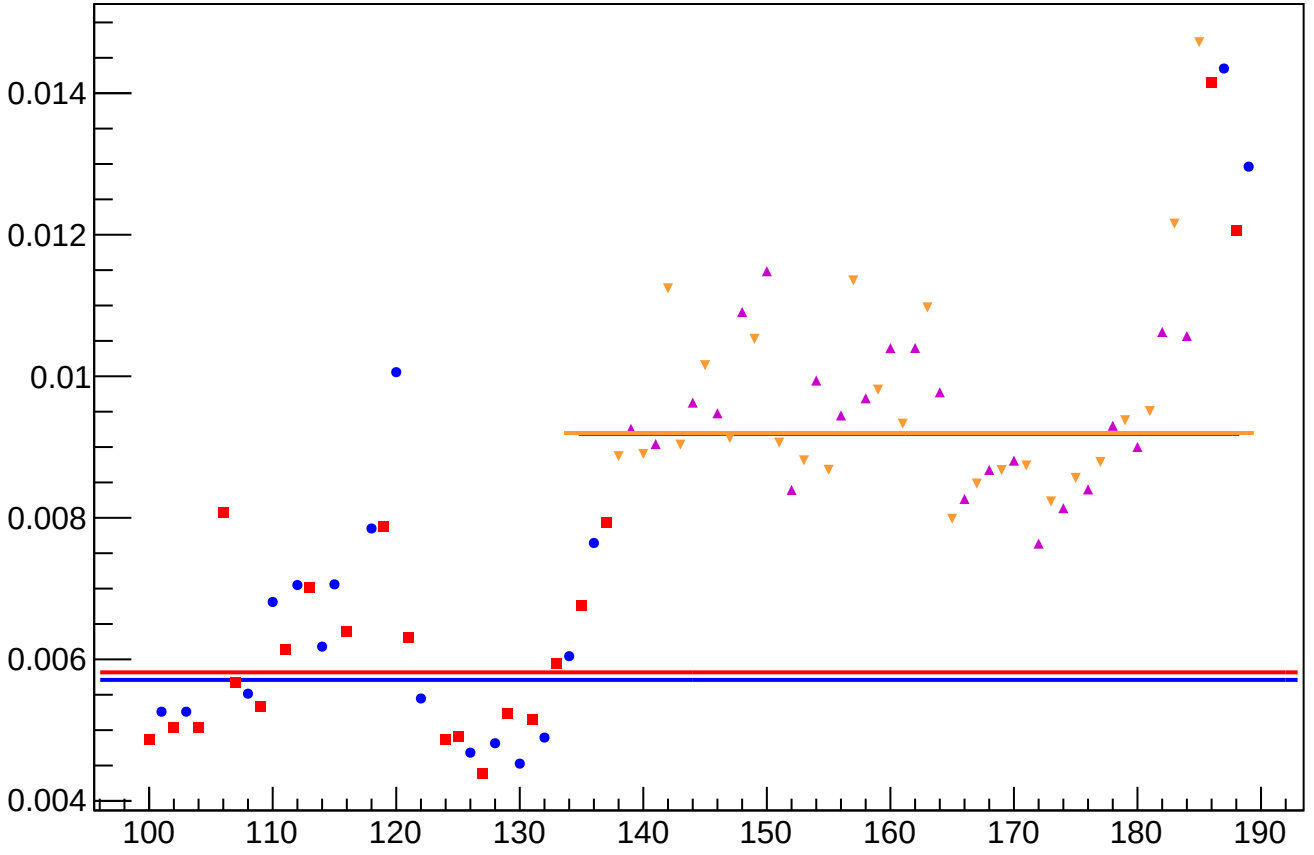
Left In: -6.310+/-0.000 χ^2/NDF:91689184100.9/22

+ sign -6.121+/-0.000 χ^2/NDF: 138493701704.6/42

All: -6.114+/-0.000 χ^2/NDF: 257251082209.3

- sign -6.108+/-0.000 χ^2/NDF: 118722281278.1/43

yield_bpm0l01Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 941411.8/17

Left Out: 0.009+/-0.000 χ^2/NDF:367040.4/24

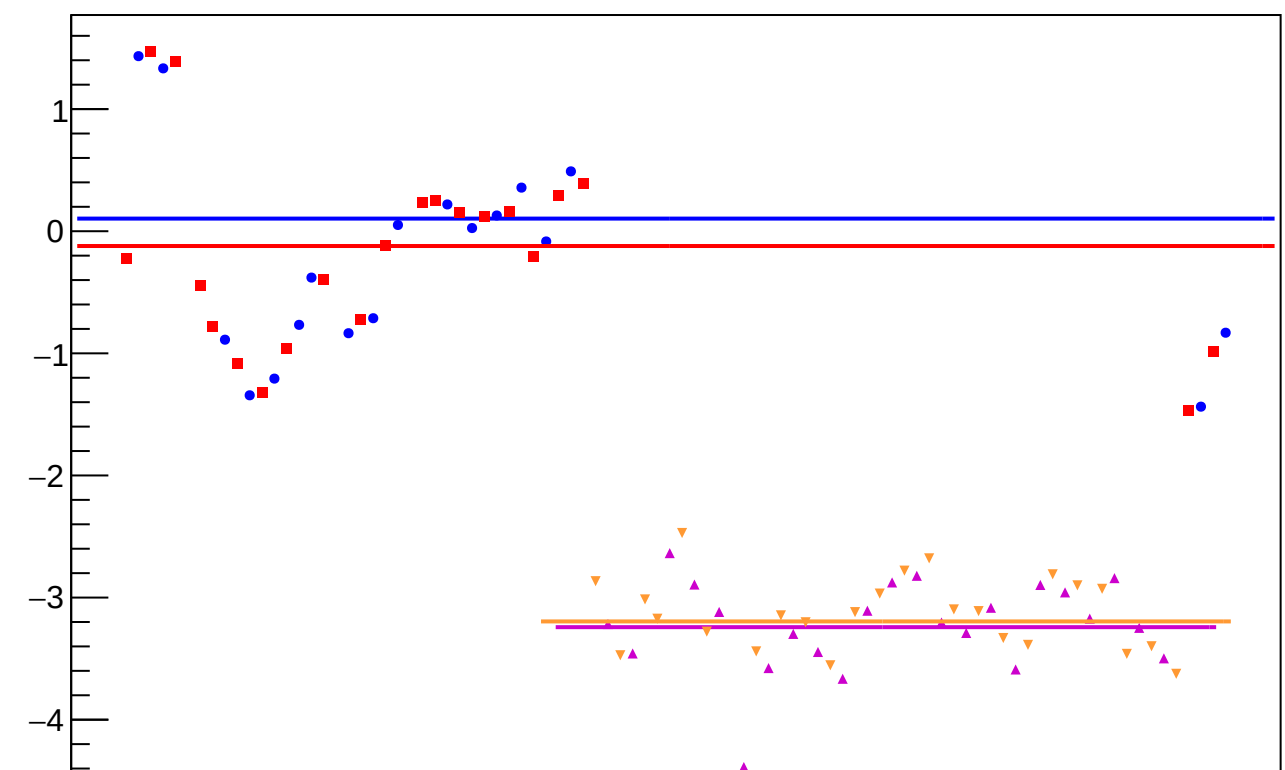
Right Out: 0.006+/-0.000 χ^2/NDF: 1152532.6/20

Left In: 0.009+/-0.000 χ^2/NDF:319063.5/22

+ sign 0.007+/-0.000 χ^2/NDF: 3696428.2/42

All: 0.007+/-0.000 χ^2/NDF: 7427838.3/86

- sign 0.007+/-0.000 χ^2/NDF: 3730165.1/43



Right In: 0.103+/-0.000 χ^2/NDF: 20195196982.9/17

Left Out: -3.195+/-0.000 χ^2/NDF:9538006171.4/24

Right Out: -0.121+/-0.000 χ^2/NDF: 26938335269.6/20

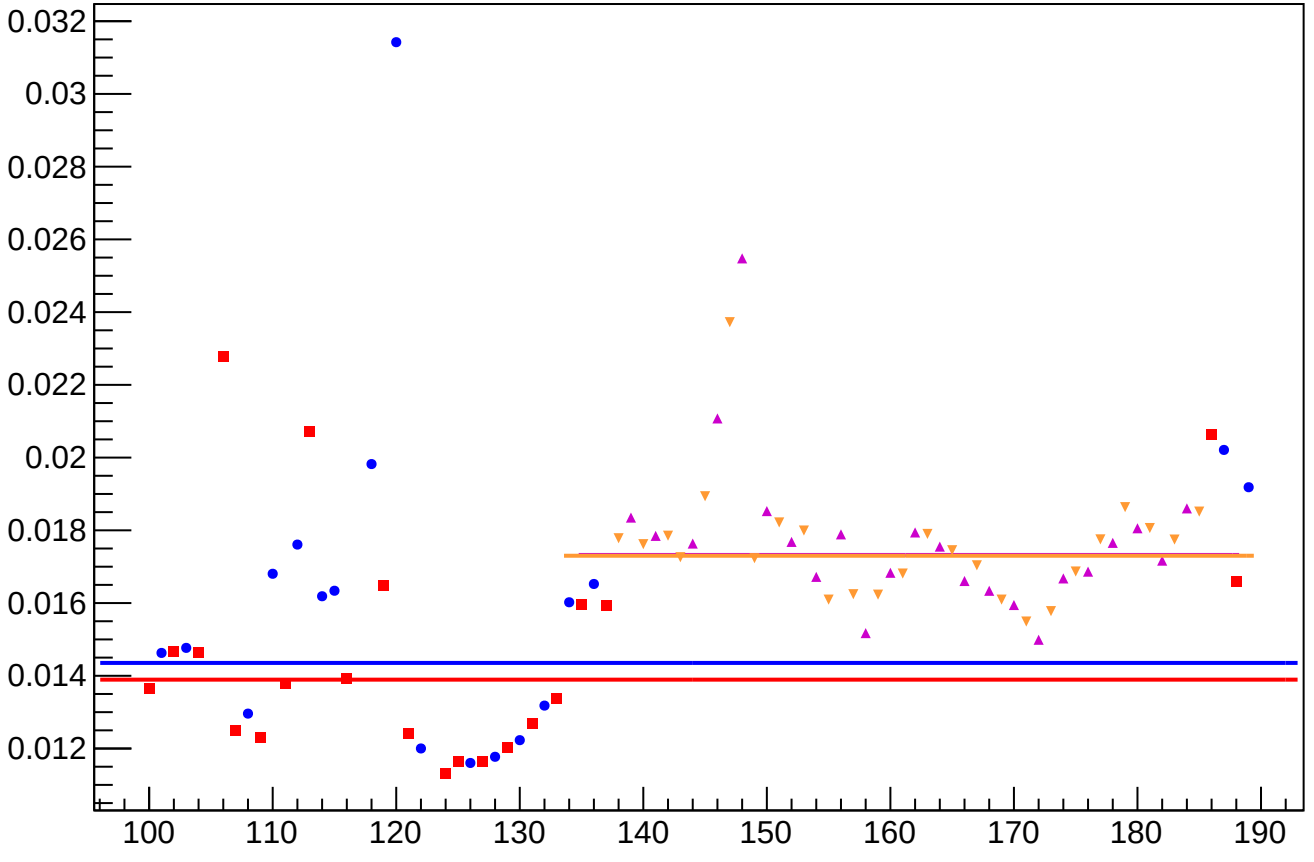
Left In: -3.242+/-0.000 χ^2/NDF:7955956403.6/22

+ sign -2.037+/-0.000 χ^2/NDF: 266908108053.3/42

All: -1.992+/-0.000 χ^2/NDF: 538117241876.3

- sign -1.948+/-0.000 χ^2/NDF: 270823305619.2/43

yield_bpm0l02X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 561295.7/17

Left Out: 0.017+/-0.000 χ^2/NDF:218030.0/24

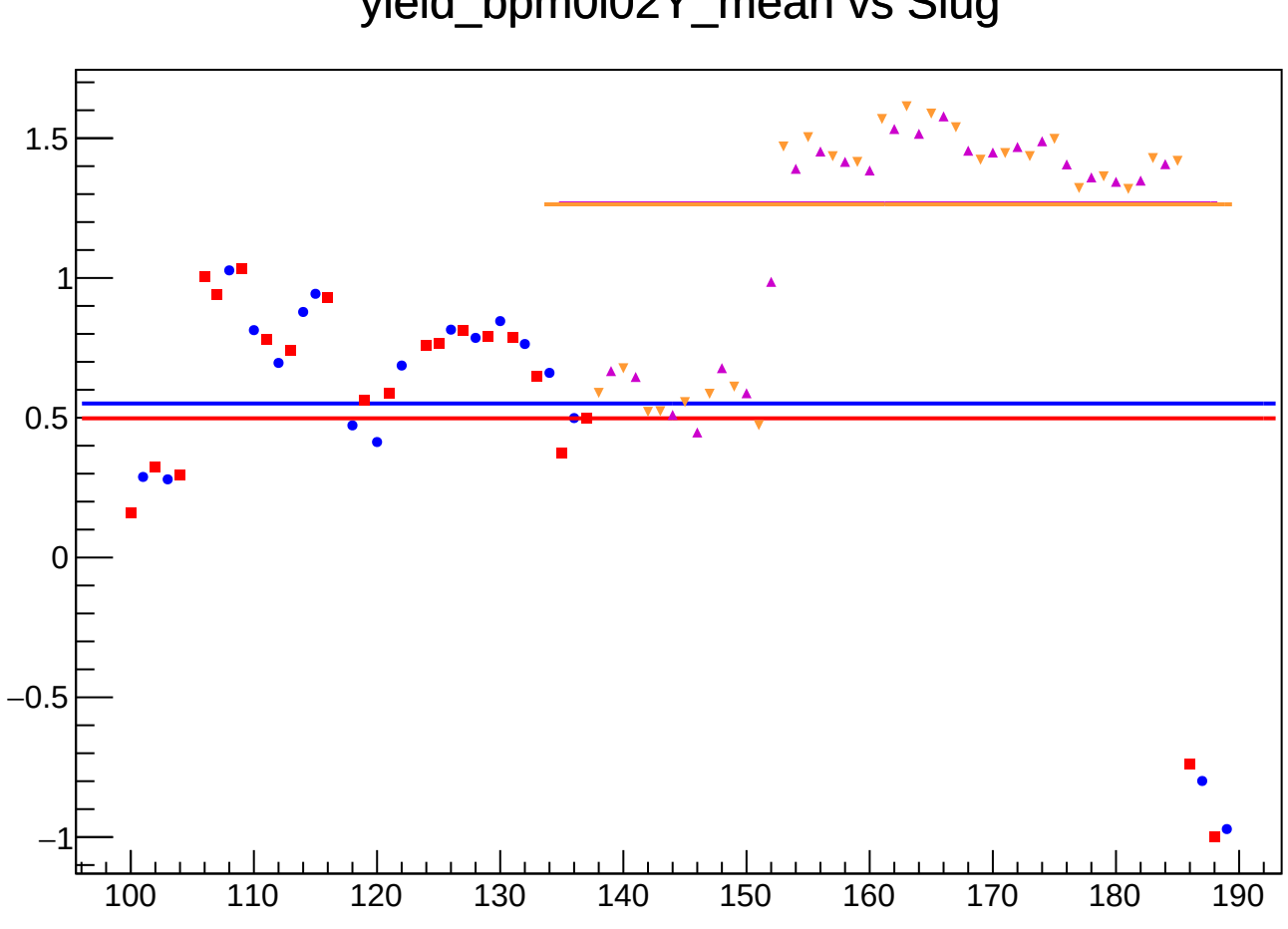
Right Out: 0.014+/-0.000 χ^2/NDF: 451653.8/20

Left In: 0.017+/-0.000 χ^2/NDF:329879.6/22

+ sign 0.016+/-0.000 χ^2/NDF: 1157979.5/42

All: 0.016+/-0.000 χ^2/NDF: 2522027.3/86

- sign 0.016+/-0.000 χ^2/NDF: 1351013.0/43



Right In: 0.551+/-0.000 χ^2/NDF: 14550934799.4/17

Left Out: 1.263+/-0.000 χ^2/NDF:45594559273.0/24

Right Out: 0.498+/-0.000 χ^2/NDF: 25798050273.4/20

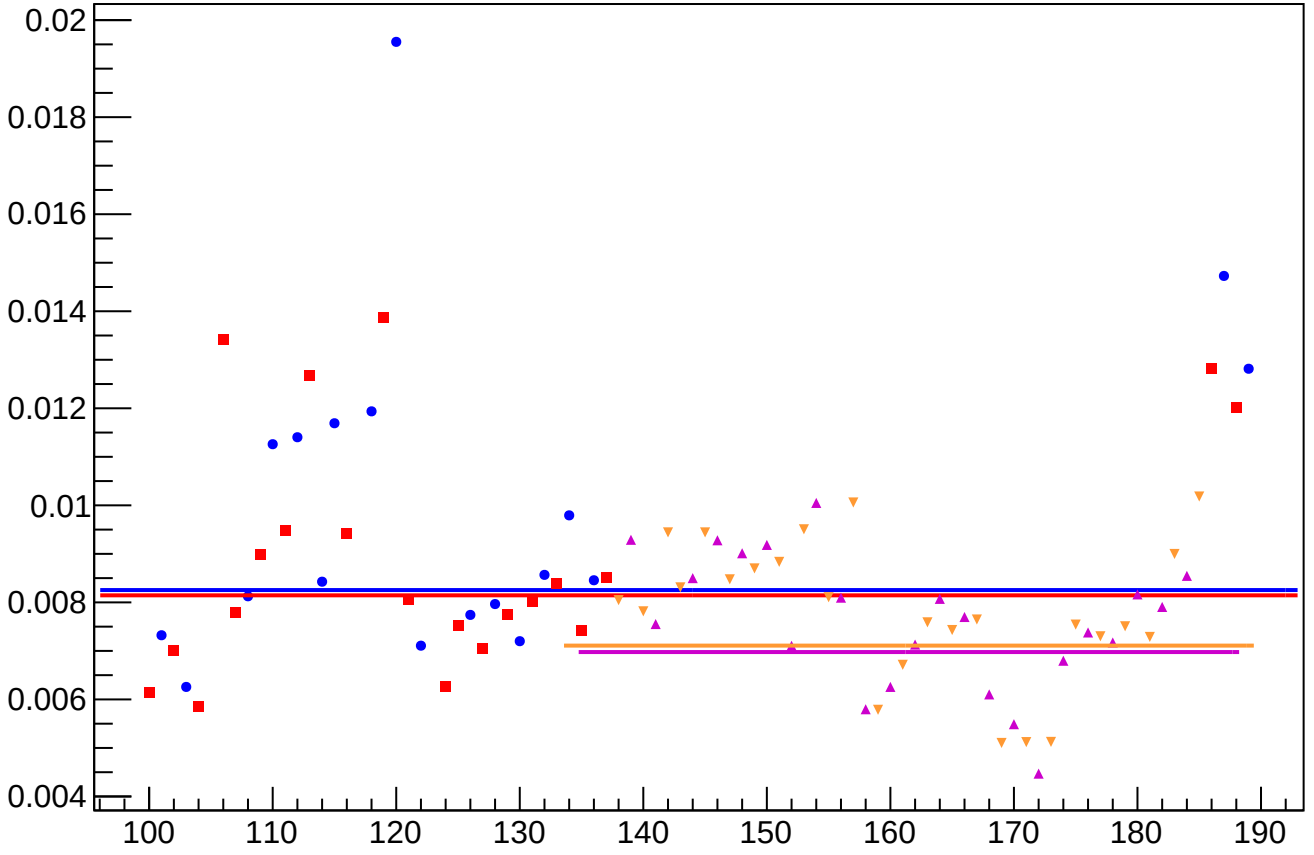
Left In: 1.267+/-0.000 χ^2/NDF:37614918579.9/22

+ sign 1.102+/-0.000 χ^2/NDF: 98769841088.3/42

All: 1.087+/-0.000 χ^2/NDF: 212604174137.6

- sign 1.071+/-0.000 χ^2/NDF: 113620576418.8/43

yield_bpm0l02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 798340.1/17

Left Out: 0.007+/-0.000 χ^2/NDF:1519295.8/24

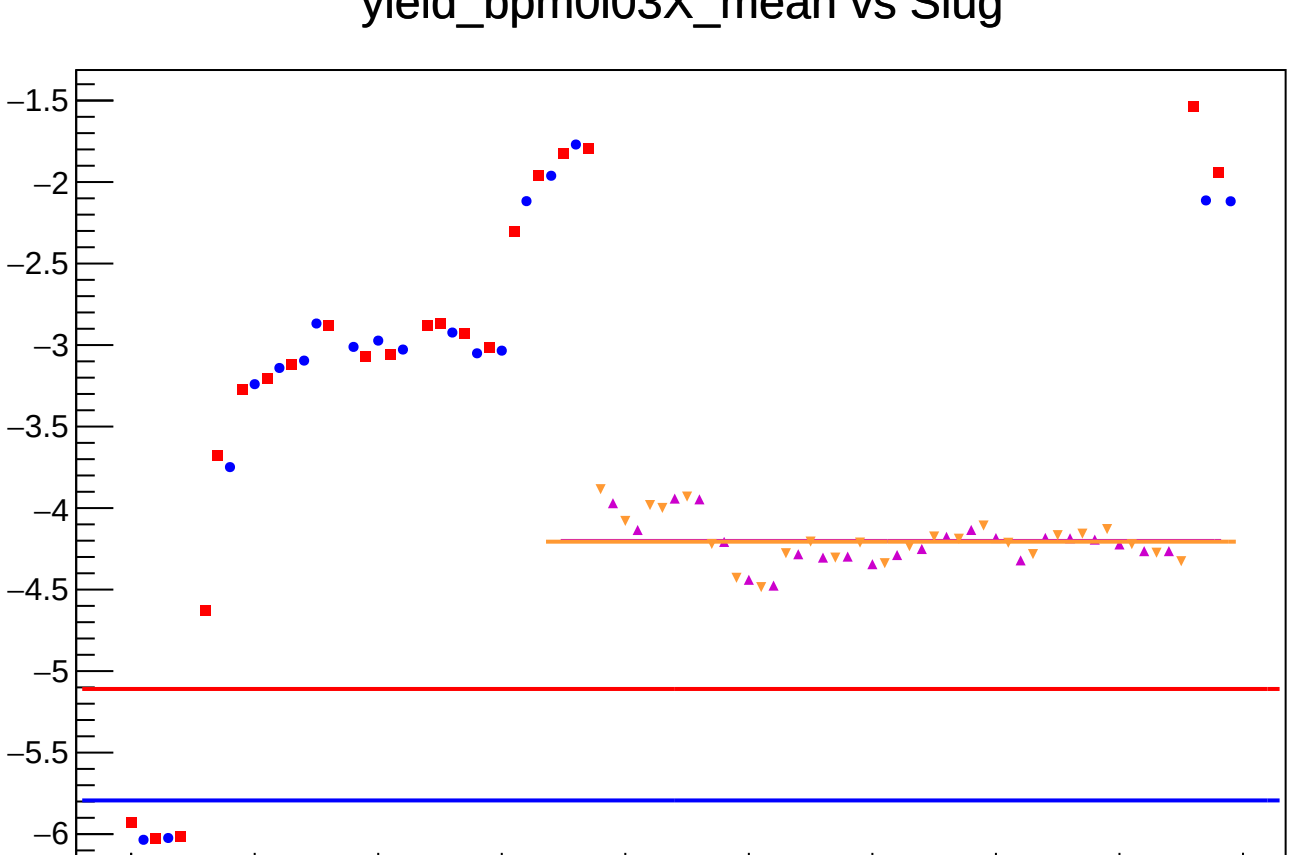
Right Out: 0.008+/-0.000 χ^2/NDF: 904161.3/20

Left In: 0.007+/-0.000 χ^2/NDF:1457031.8/22

+ sign 0.007+/-0.000 χ^2/NDF: 2517114.5/42

All: 0.007+/-0.000 χ^2/NDF: 5114405.0/86

- sign 0.007+/-0.000 χ^2/NDF: 2593357.2/43



Right In: -5.793+/-0.000 χ^2/NDF: 44935519844.9/17

Left Out: -4.206+/-0.000 χ^2/NDF:61558336.8/24

Right Out: -5.110+/-0.000 χ^2/NDF: 155011391150.6/20

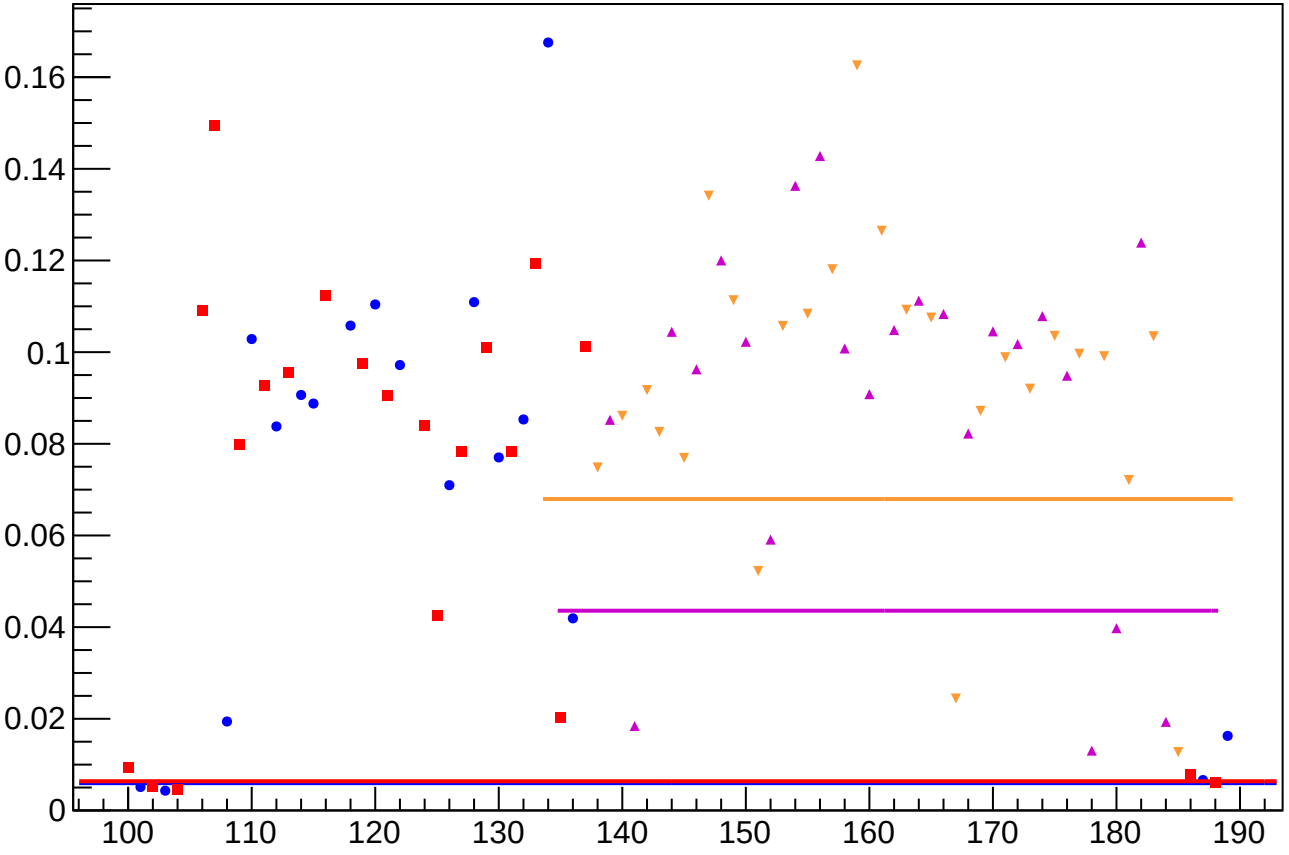
Left In: -4.202+/-0.000 χ^2/NDF:42747893.4/22

+ sign -5.719+/-0.000 χ^2/NDF: 51385489150.1/42

All: -5.380+/-0.000 χ^2/NDF: 222474779934.3

- sign -5.045+/-0.000 χ^2/NDF: 158184801947.2/43

yield_bpm0l03X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 8796565.9/17

Left Out: 0.068+/-0.000 χ^2/NDF:7631751.0/24

Right Out: 0.006+/-0.000 χ^2/NDF: 8761248.8/20

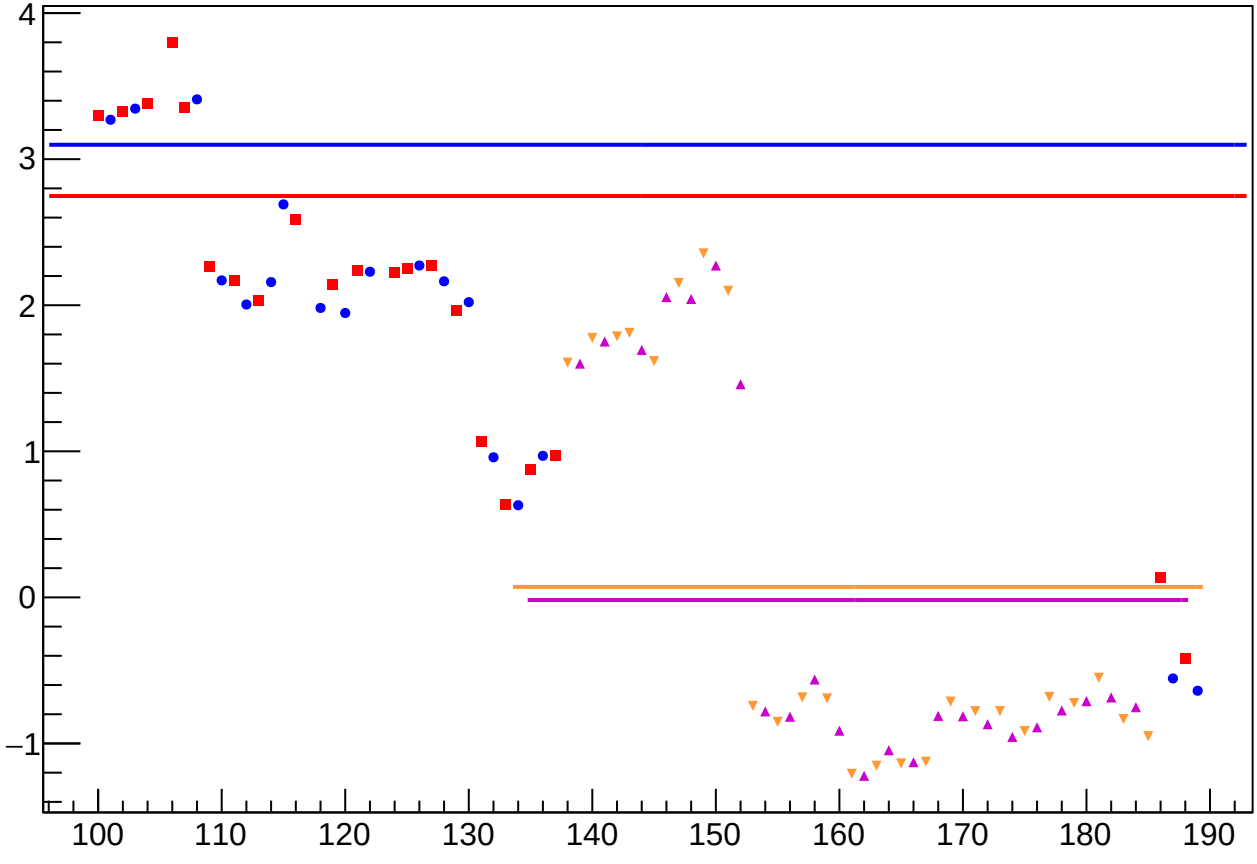
Left In: 0.044+/-0.000 χ^2/NDF:12761920.2/22

+ sign 0.009+/-0.000 χ^2/NDF: 35919632.8/42

All: 0.009+/-0.000 χ^2/NDF: 67959334.0/86

- sign 0.009+/-0.000 χ^2/NDF: 32038079.3/43

yield_bpm0l03Y_mean vs Slug



Right In: 3.099+/-0.000 χ^2/NDF: 22243983479.9/17

Left Out: 0.072+/-0.000 χ^2/NDF:3635027099.6/24

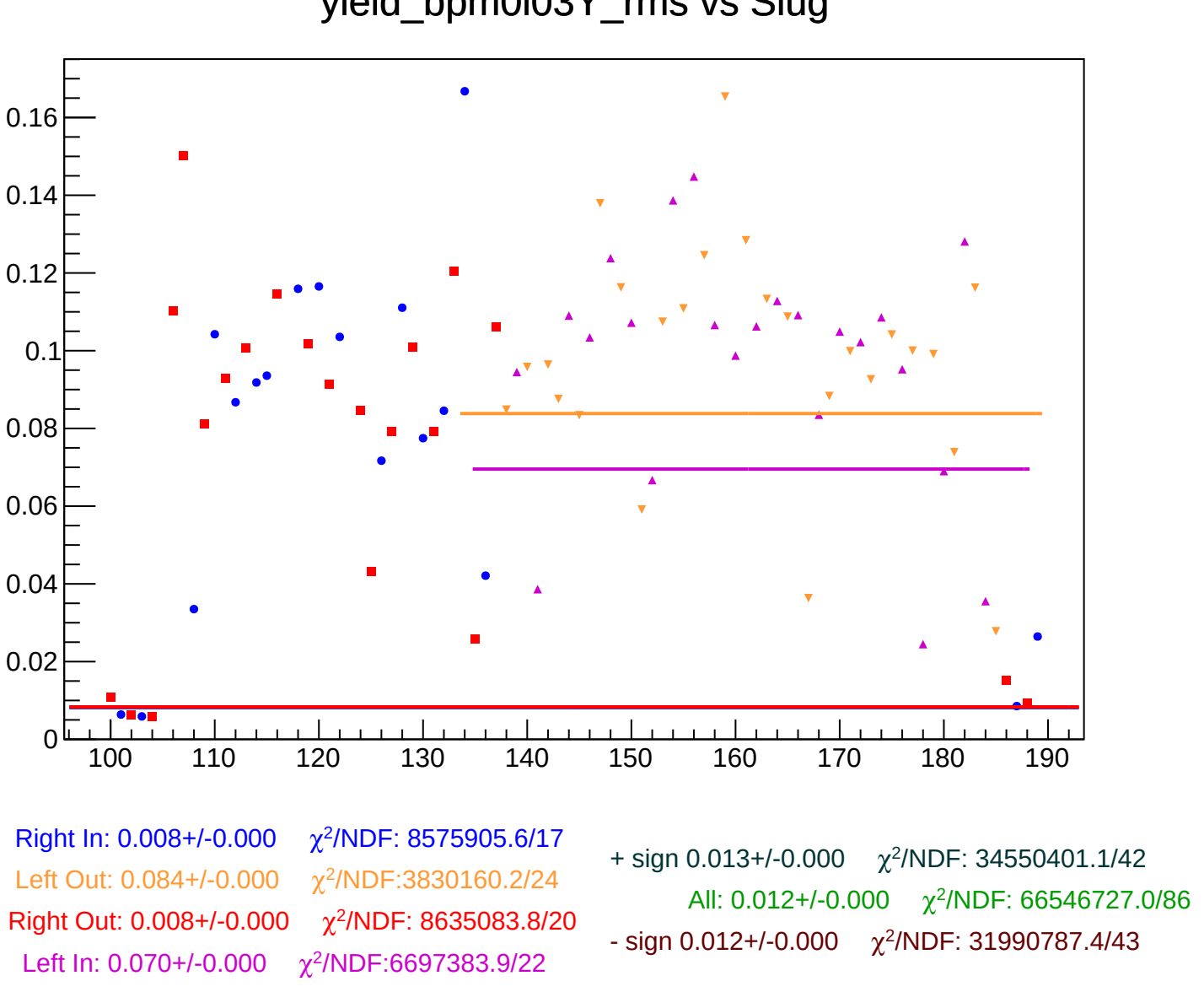
Right Out: 2.748+/-0.000 χ^2/NDF: 61294530595.3/20

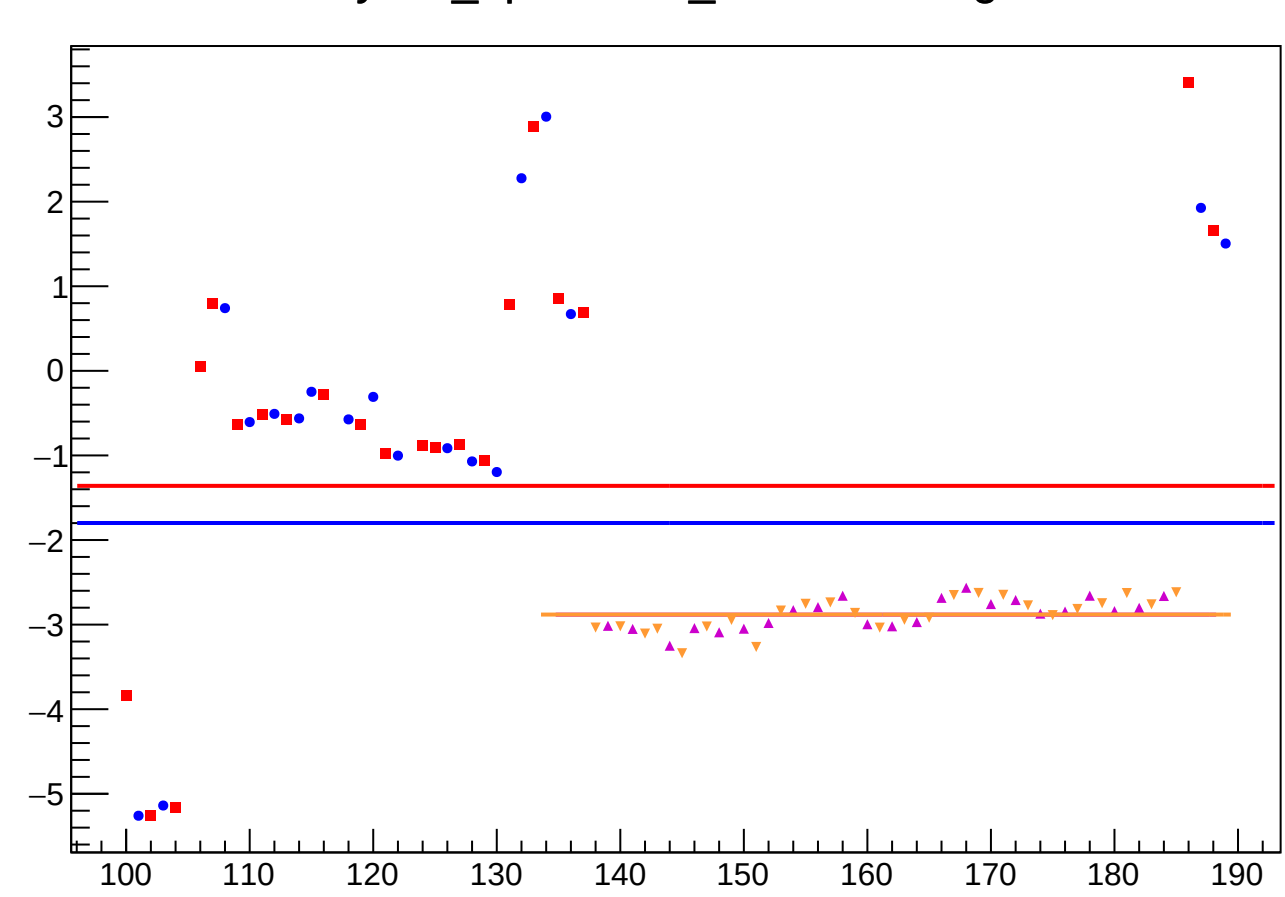
Left In: -0.018+/-0.000 χ^2/NDF:3455714643.1/22

+ sign 2.918+/-0.000 χ^2/NDF: 43603311140.4/42

All: 2.738+/-0.000 χ^2/NDF: 127528956592.1

- sign 2.569+/-0.000 χ^2/NDF: 81761573914.1/43


yield_bpm0l03Y_rms vs Slug
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.008+/-0.000 χ²/NDF: 8575905.6/17
Left Out: 0.084+/-0.000 χ²/NDF:3830160.2/24
Right Out: 0.008+/-0.000 χ²/NDF: 8635083.8/20
Left In: 0.070+/-0.000 χ²/NDF:6697383.9/22
+ sign 0.013+/-0.000 χ²/NDF: 34550401.1/42
All: 0.012+/-0.000 χ²/NDF: 66546727.0/86
- sign 0.012+/-0.000 χ²/NDF: 31990787.4/43



Right In: -1.799+/-0.000 χ^2/NDF: 176041840375.2/17

Left Out: -2.881+/-0.000 χ^2/NDF:10553050715.1/24

Right Out: -1.360+/-0.000 χ^2/NDF: 201930293415.3/20

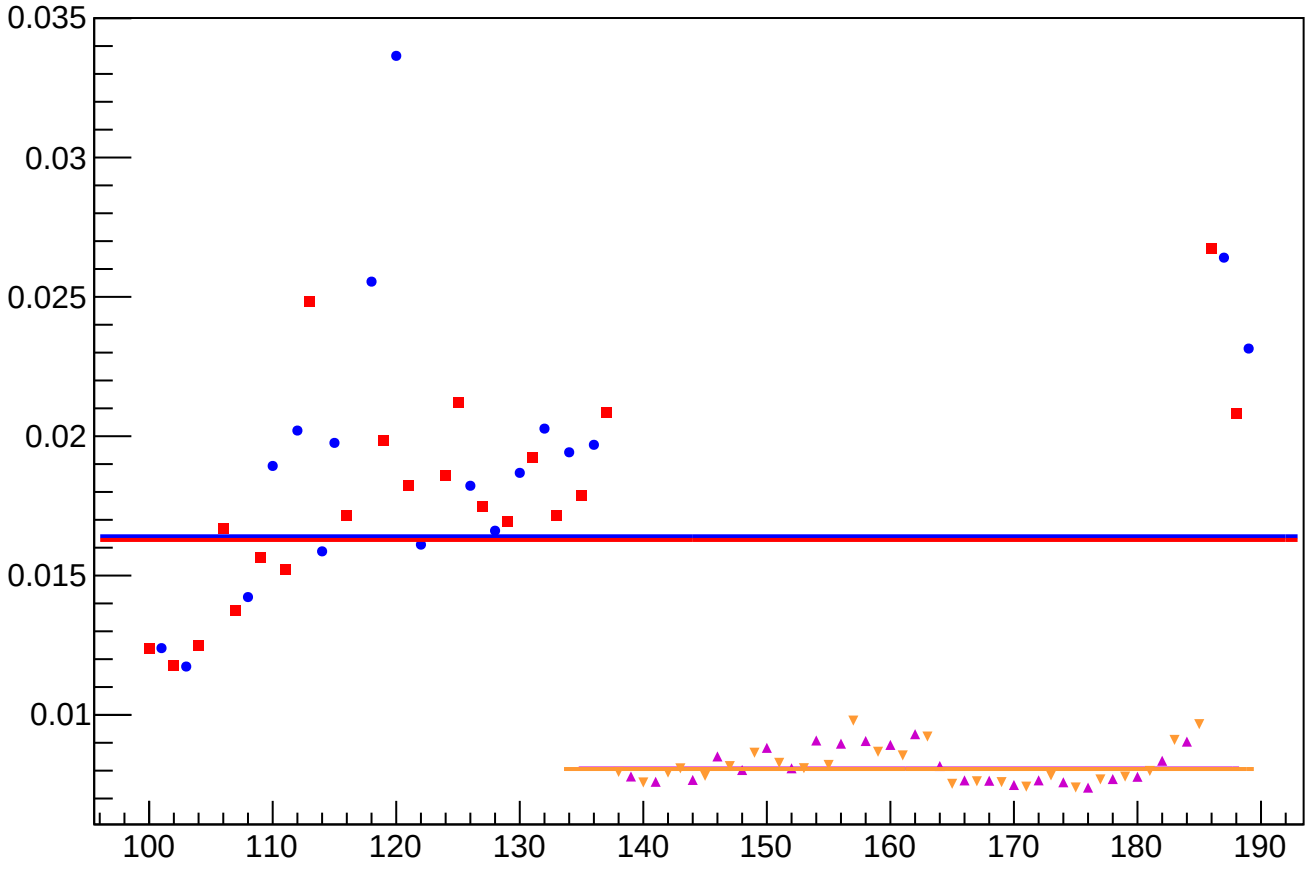
Left In: -2.882+/-0.000 χ^2/NDF:8300047325.0/22

+ sign -2.797+/-0.000 χ^2/NDF: 212344283456.8/42

All: -2.767+/-0.000 χ^2/NDF: 482814555681.8

- sign -2.736+/-0.000 χ^2/NDF: 269899895367.4/43

yield_bpm0l04X_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF: 873060.4/17

Left Out: 0.008+/-0.000 χ^2/NDF:185446.1/24

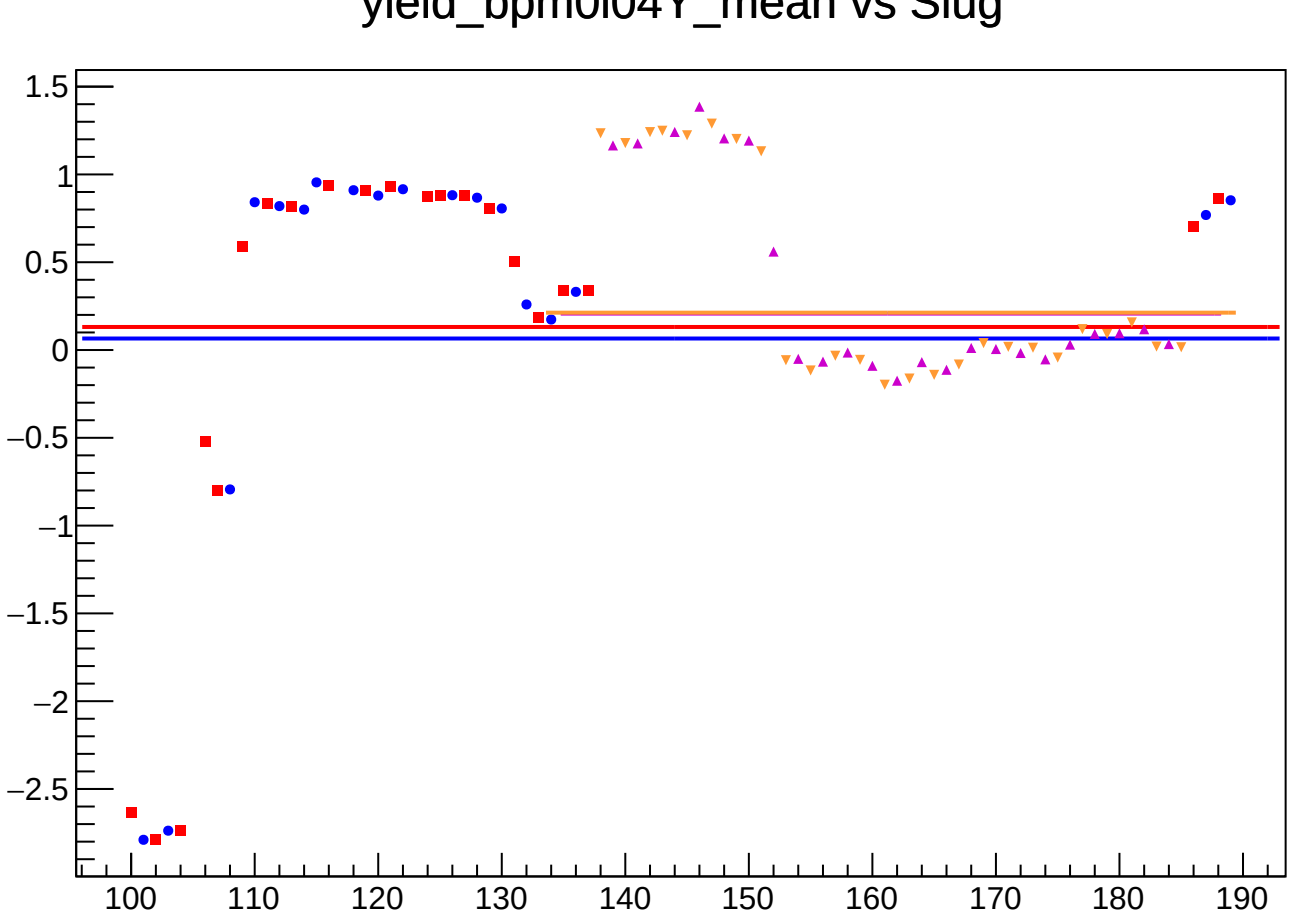
Right Out: 0.016+/-0.000 χ^2/NDF: 718220.7/20

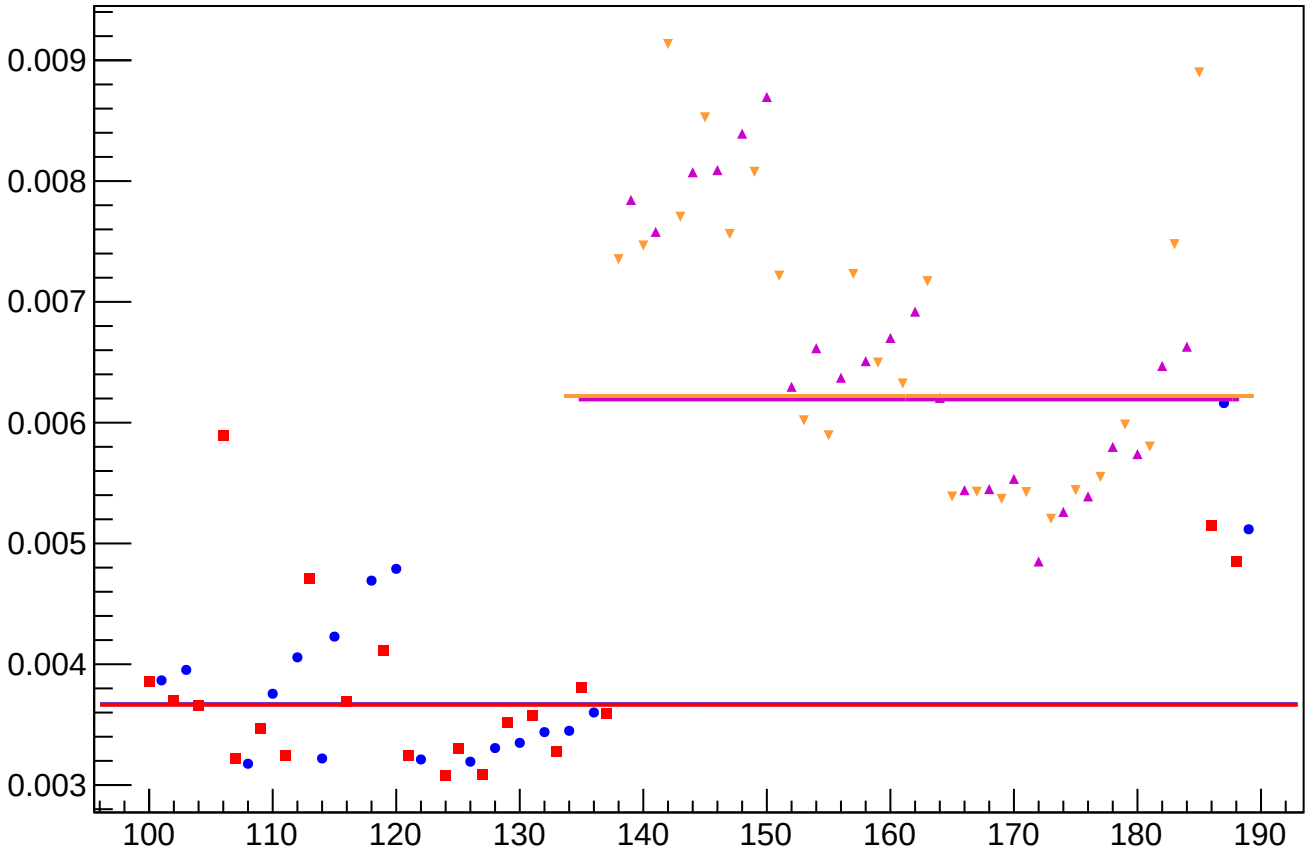
Left In: 0.008+/-0.000 χ^2/NDF:181843.4/22

+ sign 0.009+/-0.000 χ^2/NDF: 4123121.2/42

All: 0.009+/-0.000 χ^2/NDF: 8491840.9/86

- sign 0.009+/-0.000 χ^2/NDF: 4360799.8/43


yield_bpm0l04Y_mean vs Slug
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
100
110
120
130
140
150
160
170
180
190
Right In: 0.066+/-0.000 χ²/NDF: 866520889042.3/17
Left Out: 0.213+/-0.000 χ²/NDF:102819241186.2/24
Right Out: 0.131+/-0.000 χ²/NDF: 963507805770.7/20
Left In: 0.207+/-0.000 χ²/NDF:87109076861.7/22
+ sign 0.131+/-0.000 χ²/NDF: 974551750524.6/42
All: 0.147+/-0.000 χ²/NDF: 2027095315440.
- sign 0.162+/-0.000 χ²/NDF: 1052050007825.4/43



Right In: 0.004+/-0.000 χ^2/NDF: 321743.9/17

Left Out: 0.006+/-0.000 χ^2/NDF:813678.9/24

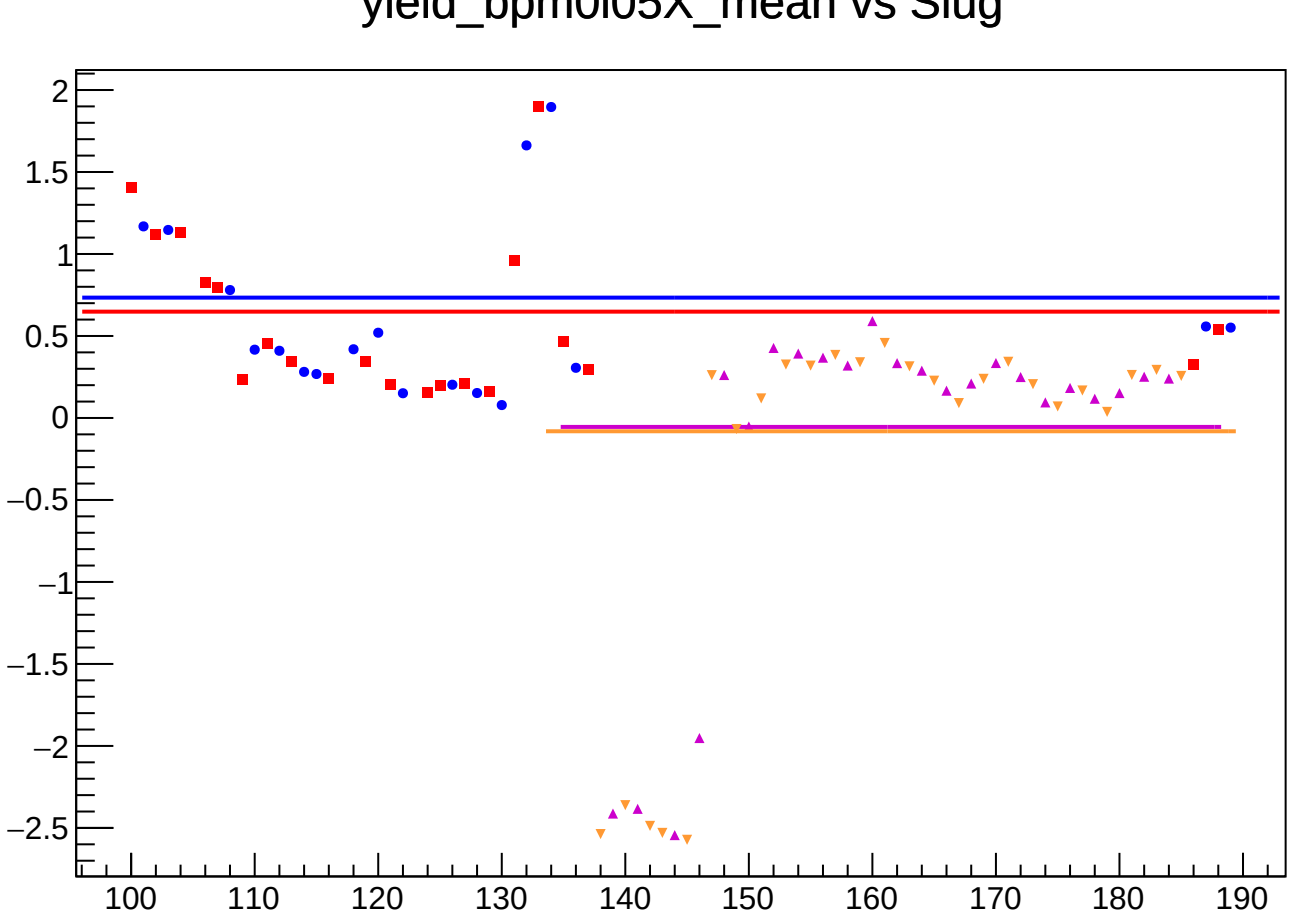
Right Out: 0.004+/-0.000 χ^2/NDF: 414923.1/20

Left In: 0.006+/-0.000 χ^2/NDF:816234.4/22

+ sign 0.005+/-0.000 χ^2/NDF: 4266465.8/42

All: 0.005+/-0.000 χ^2/NDF: 8665194.3/86

- sign 0.005+/-0.000 χ^2/NDF: 4386083.2/43



Right In: 0.734+/-0.000 χ^2/NDF: 38451357600.4/17

Left Out: -0.081+/-0.000 χ^2/NDF:388332231902.9/24

Right Out: 0.648+/-0.000 χ^2/NDF: 41442109574.7/20

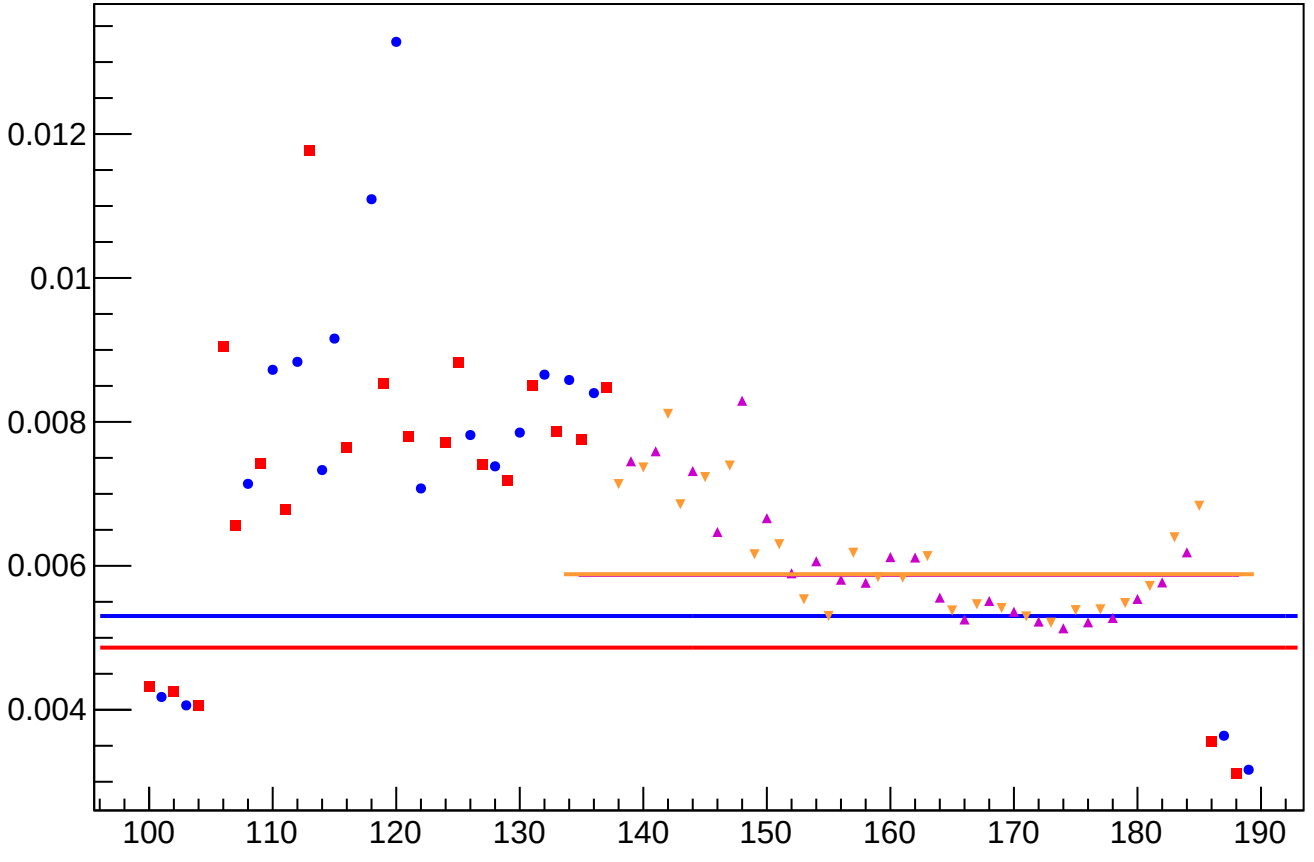
Left In: -0.055+/-0.000 χ^2/NDF:347072248163.0/22

+ sign 0.156+/-0.000 χ^2/NDF: 524818591795.4/42

All: 0.181+/-0.000 χ^2/NDF: 1002559434817.

- sign 0.205+/-0.000 χ^2/NDF: 476869754293.5/43

yield_bpm0l05X_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 2195774.6/17

Left Out: 0.006+/-0.000 χ^2/NDF:457789.1/24

Right Out: 0.005+/-0.000 χ^2/NDF: 2430527.7/20

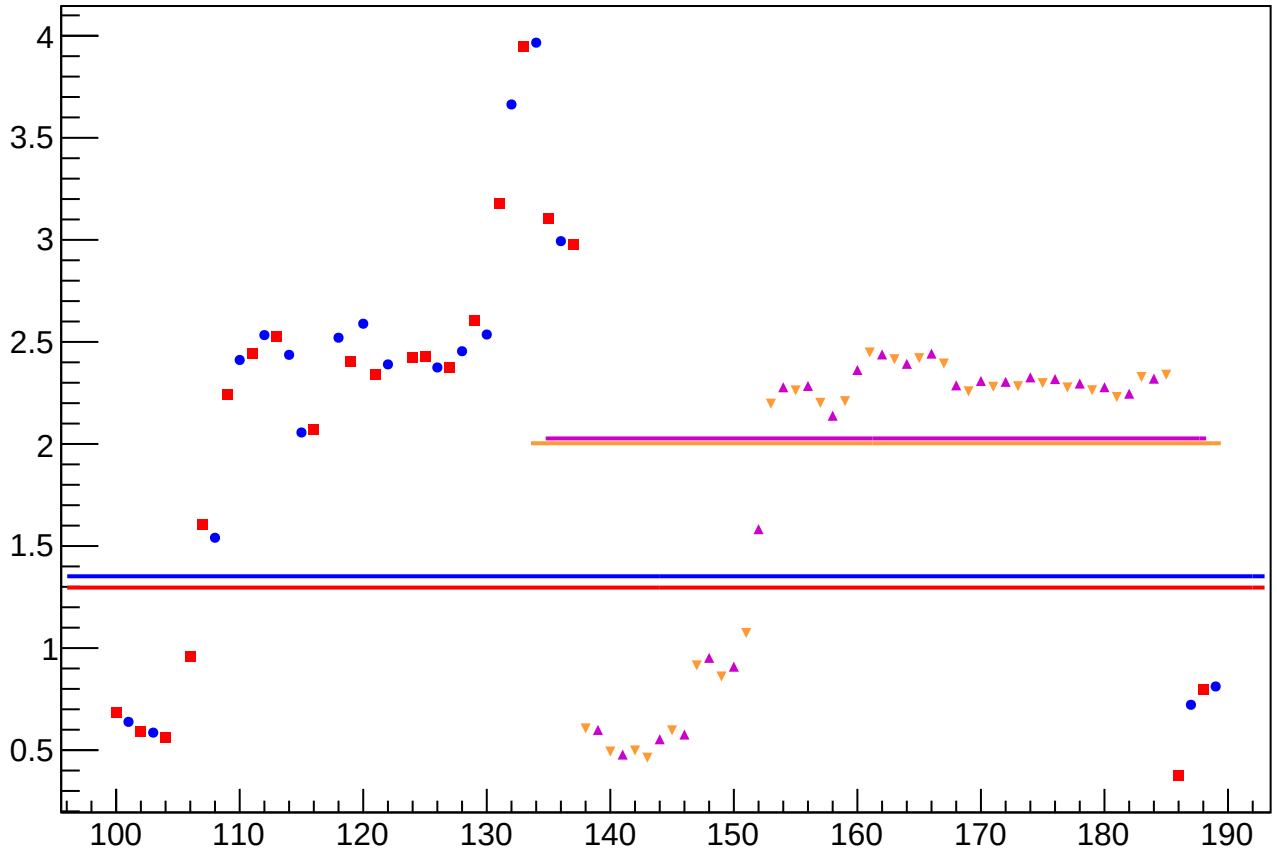
Left In: 0.006+/-0.000 χ^2/NDF:521878.3/22

+ sign 0.006+/-0.000 χ^2/NDF: 2753081.1/42

All: 0.006+/-0.000 χ^2/NDF: 6104247.0/86

- sign 0.006+/-0.000 χ^2/NDF: 3317720.2/43

yield_bpm0l05Y_mean vs Slug



Right In: 1.352+/-0.000 χ^2/NDF: 179465055377.7/17

Left Out: 2.004+/-0.000 χ^2/NDF:219172813454.7/24

Right Out: 1.296+/-0.000 χ^2/NDF: 213863686325.2/20

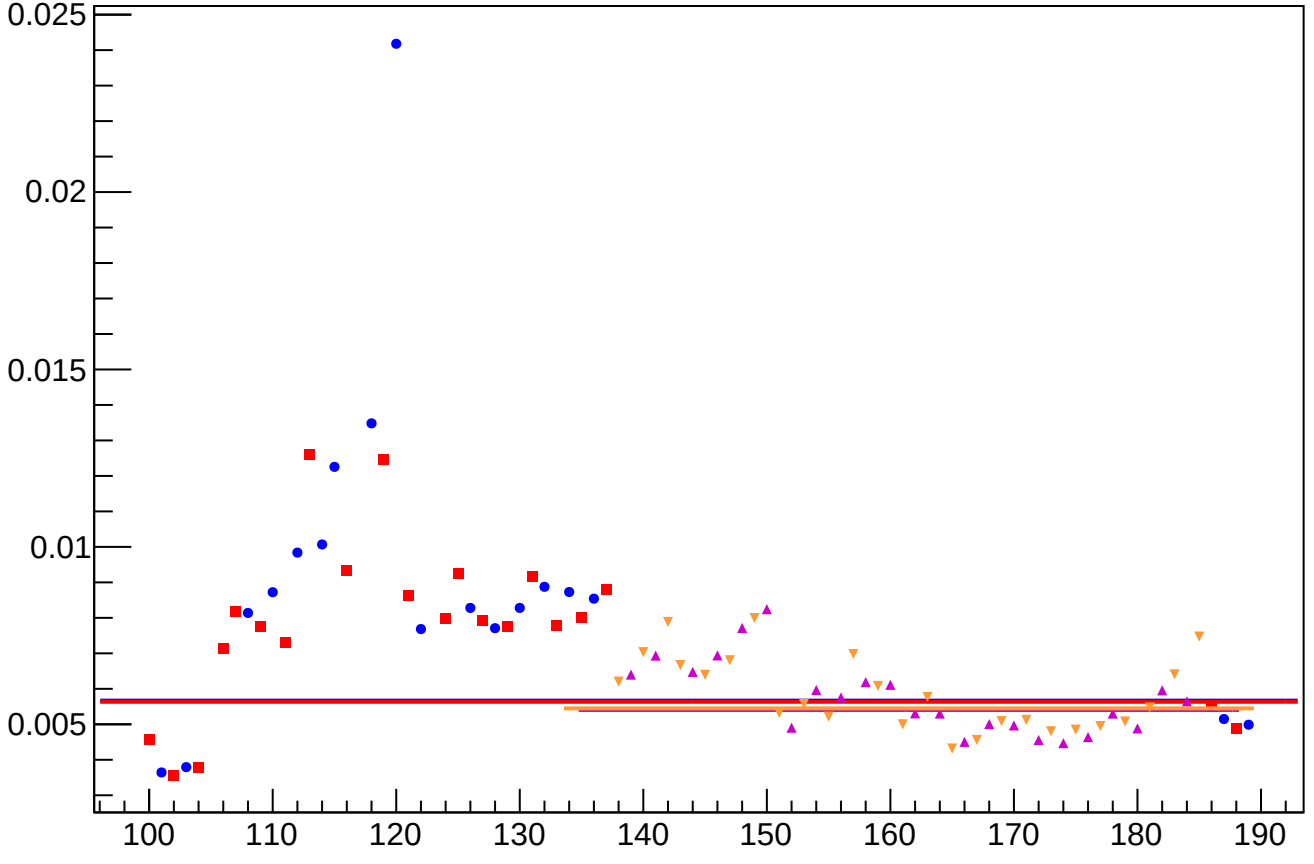
Left In: 2.027+/-0.000 χ^2/NDF:194461333084.6/22

+ sign 1.846+/-0.000 χ^2/NDF: 455398397146.9/42

All: 1.832+/-0.000 χ^2/NDF: 945235670782.1

- sign 1.818+/-0.000 χ^2/NDF: 489555254171.9/43

yield_bpm0l05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 2239886.5/17

Left Out: 0.005+/-0.000 χ^2/NDF:771417.6/24

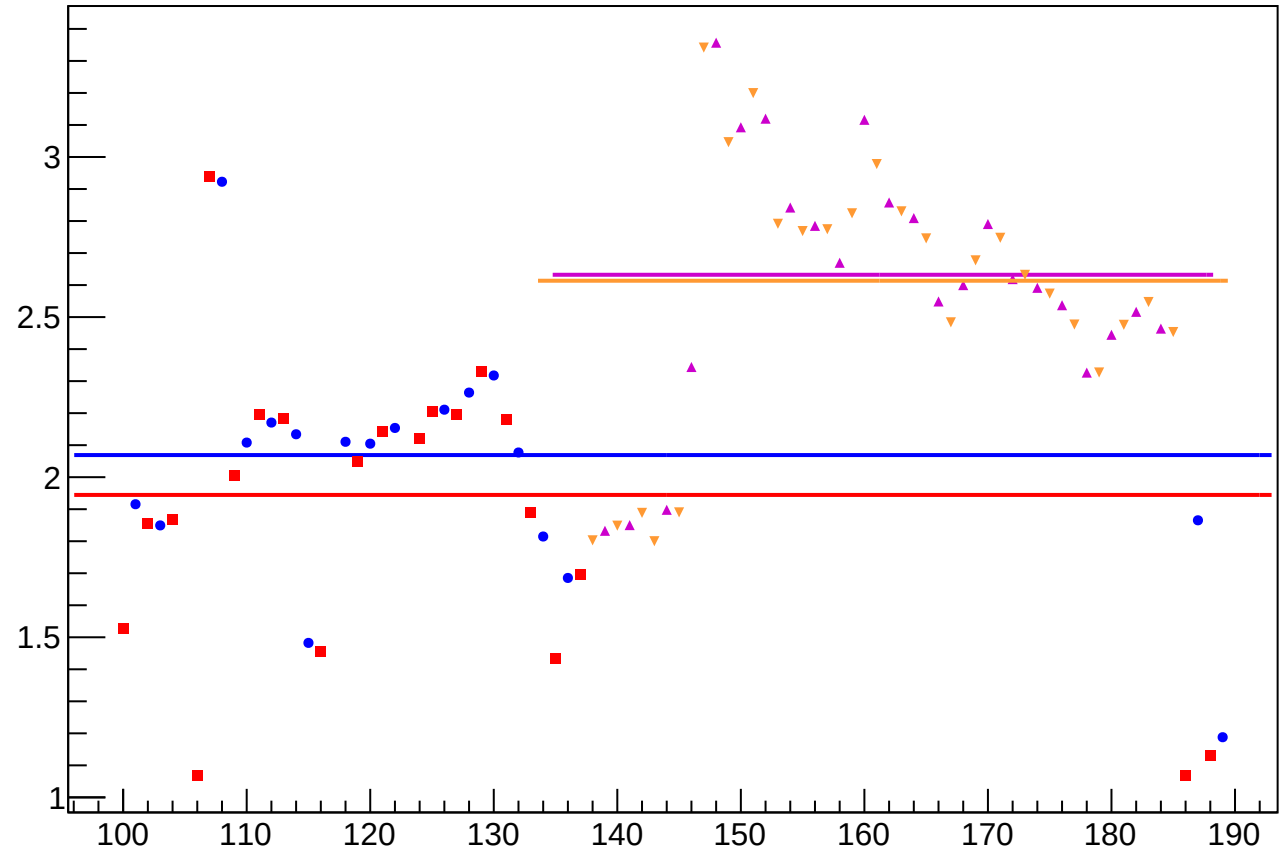
Right Out: 0.006+/-0.000 χ^2/NDF: 2010278.8/20

Left In: 0.005+/-0.000 χ^2/NDF:815136.5/22

+ sign 0.006+/-0.000 χ^2/NDF: 3023969.8/42

All: 0.005+/-0.000 χ^2/NDF: 5866194.8/86

- sign 0.005+/-0.000 χ^2/NDF: 2841519.8/43



Right In: 2.069+/-0.000 χ^2/NDF: 17774707097.5/17

Left Out: 2.614+/-0.000 χ^2/NDF:46402554271.4/24

Right Out: 1.945+/-0.000 χ^2/NDF: 29544114840.2/20

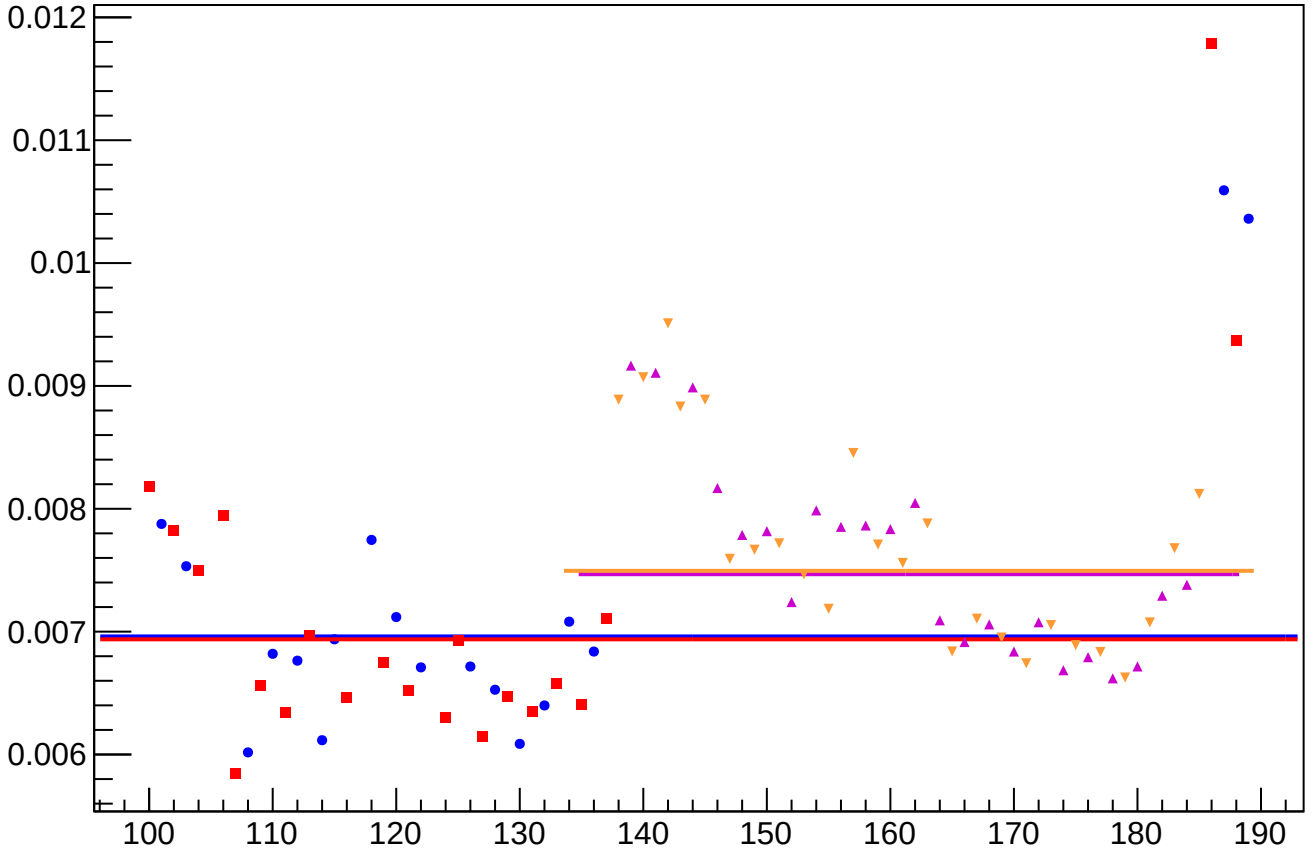
Left In: 2.632+/-0.000 χ^2/NDF:40551967819.7/22

+ sign 2.438+/-0.000 χ^2/NDF: 94975549477.8/42

All: 2.412+/-0.000 χ^2/NDF: 218202112165.0

- sign 2.386+/-0.000 χ^2/NDF: 122574282989.3/43

yield_bpm0l06X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 240817.0/17

Left Out: 0.007+/-0.000 χ^2/NDF:332673.2/24

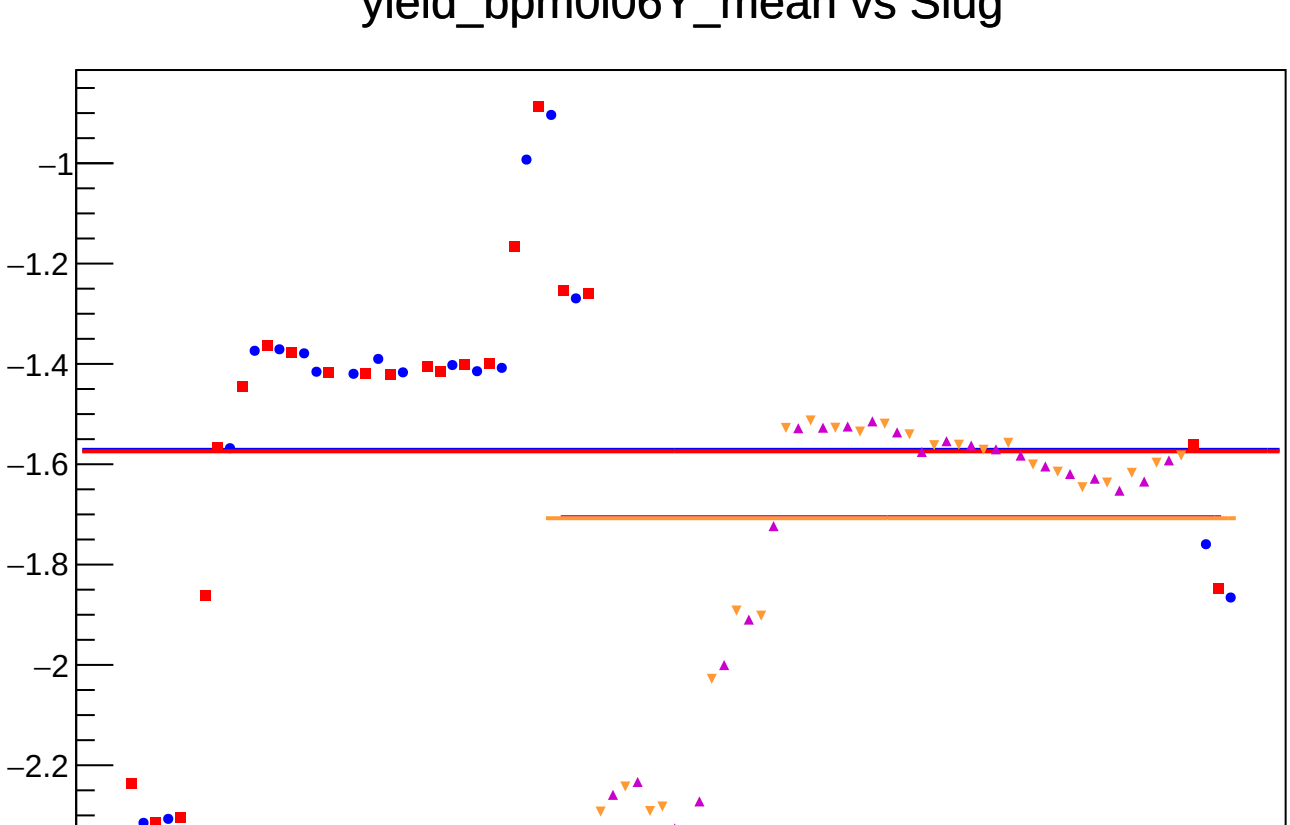
Right Out: 0.007+/-0.000 χ^2/NDF: 358426.0/20

Left In: 0.007+/-0.000 χ^2/NDF:321914.4/22

+ sign 0.007+/-0.000 χ^2/NDF: 632739.6/42

All: 0.007+/-0.000 χ^2/NDF: 1376431.1/86

- sign 0.007+/-0.000 χ^2/NDF: 742711.6/43



Right In: -1.571+/-0.000 χ^2/NDF: 180024653293.5/17

Left Out: -1.708+/-0.000 χ^2/NDF:151845502556.2/24

Right Out: -1.574+/-0.000 χ^2/NDF: 182668039700.9/20

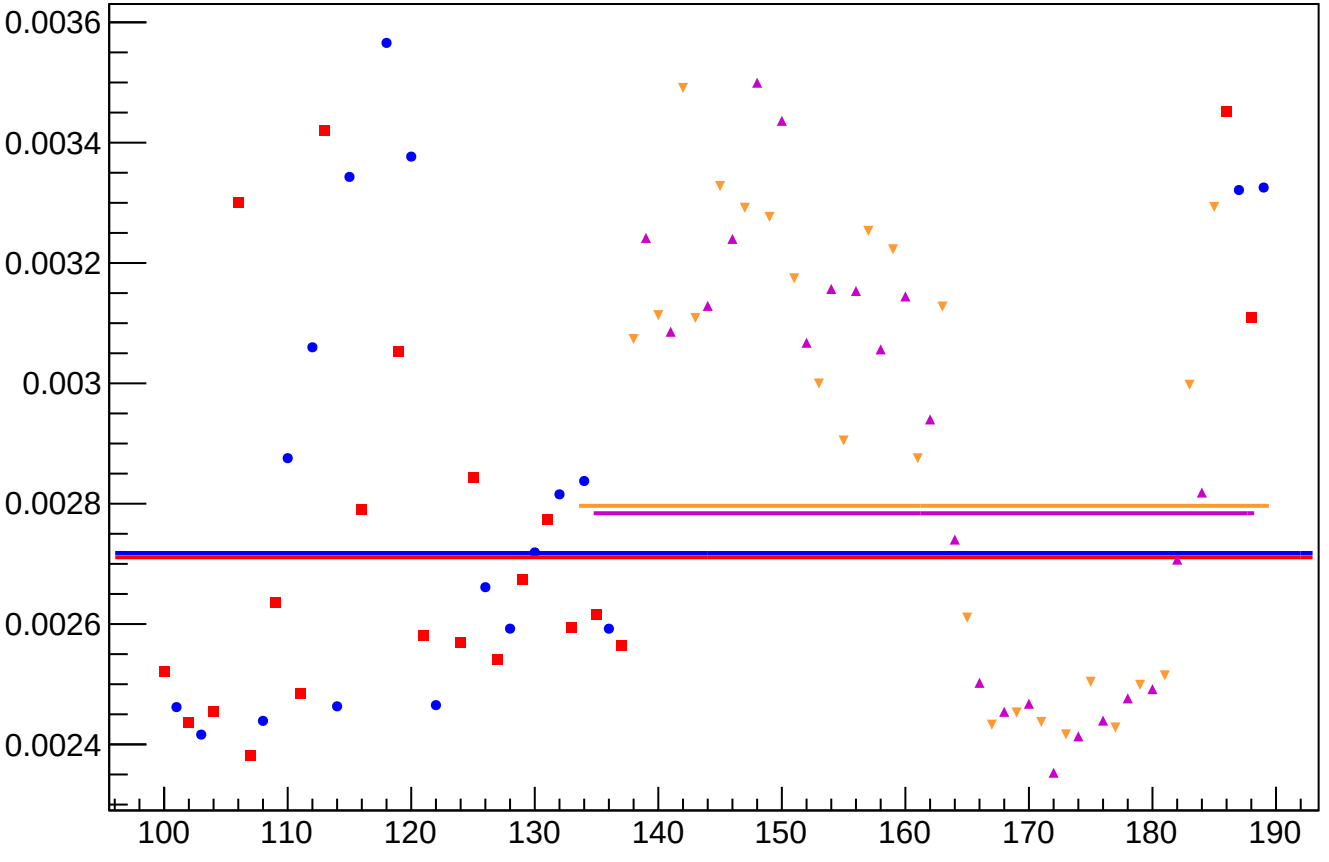
Left In: -1.705+/-0.000 χ^2/NDF:136540618081.0/22

+ sign -1.666+/-0.000 χ^2/NDF: 344780516358.5/42

All: -1.664+/-0.000 χ^2/NDF: 676878392167.1

- sign -1.661+/-0.000 χ^2/NDF: 332050638336.5/43

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 206172.2/17

Left Out: 0.003+/-0.000 χ^2/NDF:547758.3/24

Right Out: 0.003+/-0.000 χ^2/NDF: 191418.1/20

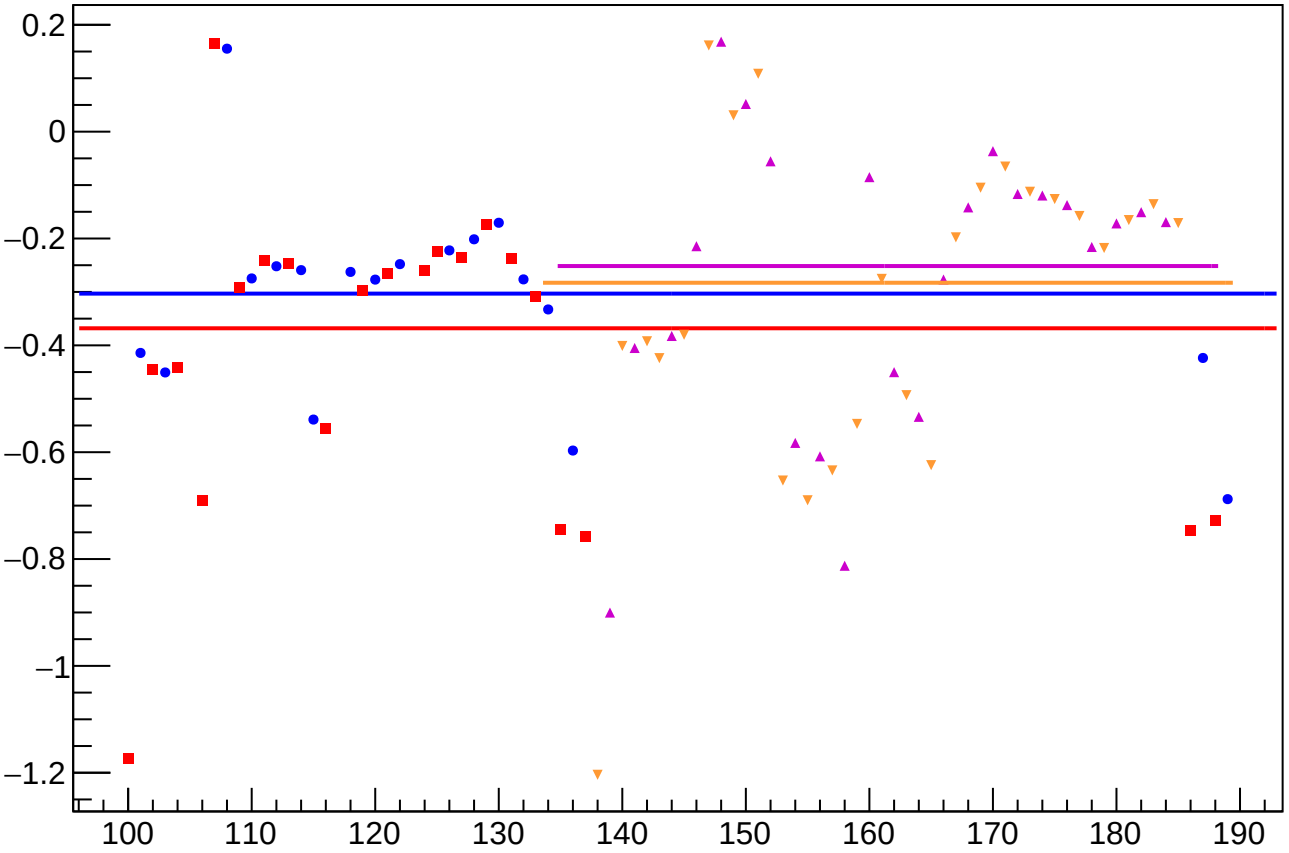
Left In: 0.003+/-0.000 χ^2/NDF:557113.5/22

+ sign 0.003+/-0.000 χ^2/NDF: 762463.9/42

All: 0.003+/-0.000 χ^2/NDF: 1519578.9/86

- sign 0.003+/-0.000 χ^2/NDF: 756523.1/43

yield_bpm0l07X_mean vs Slug



Right In: -0.303+/-0.000 χ^2/NDF: 1907396575.9/17

Left Out: -0.283+/-0.000 χ^2/NDF:9343511244.8/24

Right Out: -0.368+/-0.000 χ^2/NDF: 3212149364.4/20

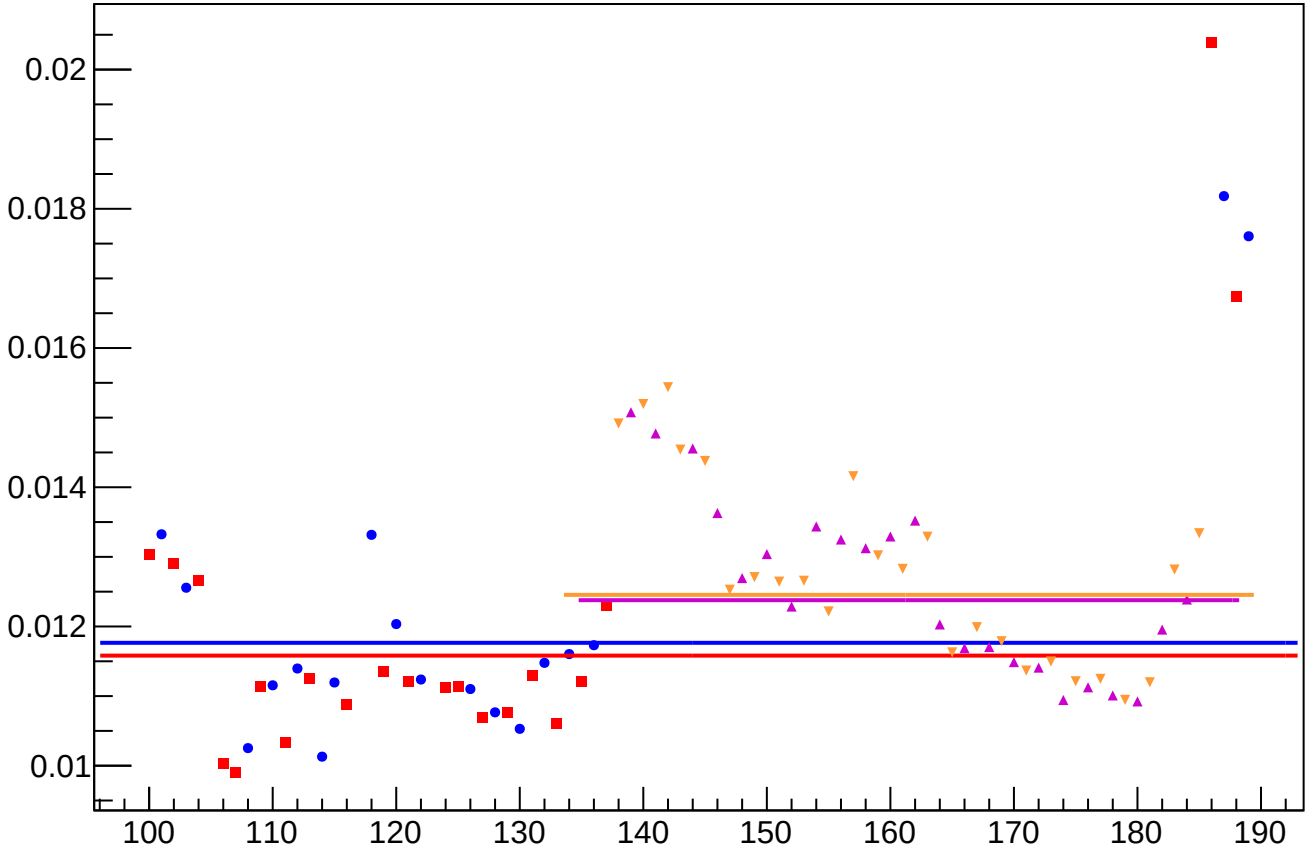
Left In: -0.252+/-0.000 χ^2/NDF:7167367678.6/22

+ sign -0.289+/-0.000 χ^2/NDF: 11266270590.5/42

All: -0.291+/-0.000 χ^2/NDF: 22193717756.4/

- sign -0.293+/-0.000 χ^2/NDF: 10926157562.1/43

yield_bpm0l07X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 246349.2/17

Left Out: 0.012+/-0.000 χ^2/NDF:341430.5/24

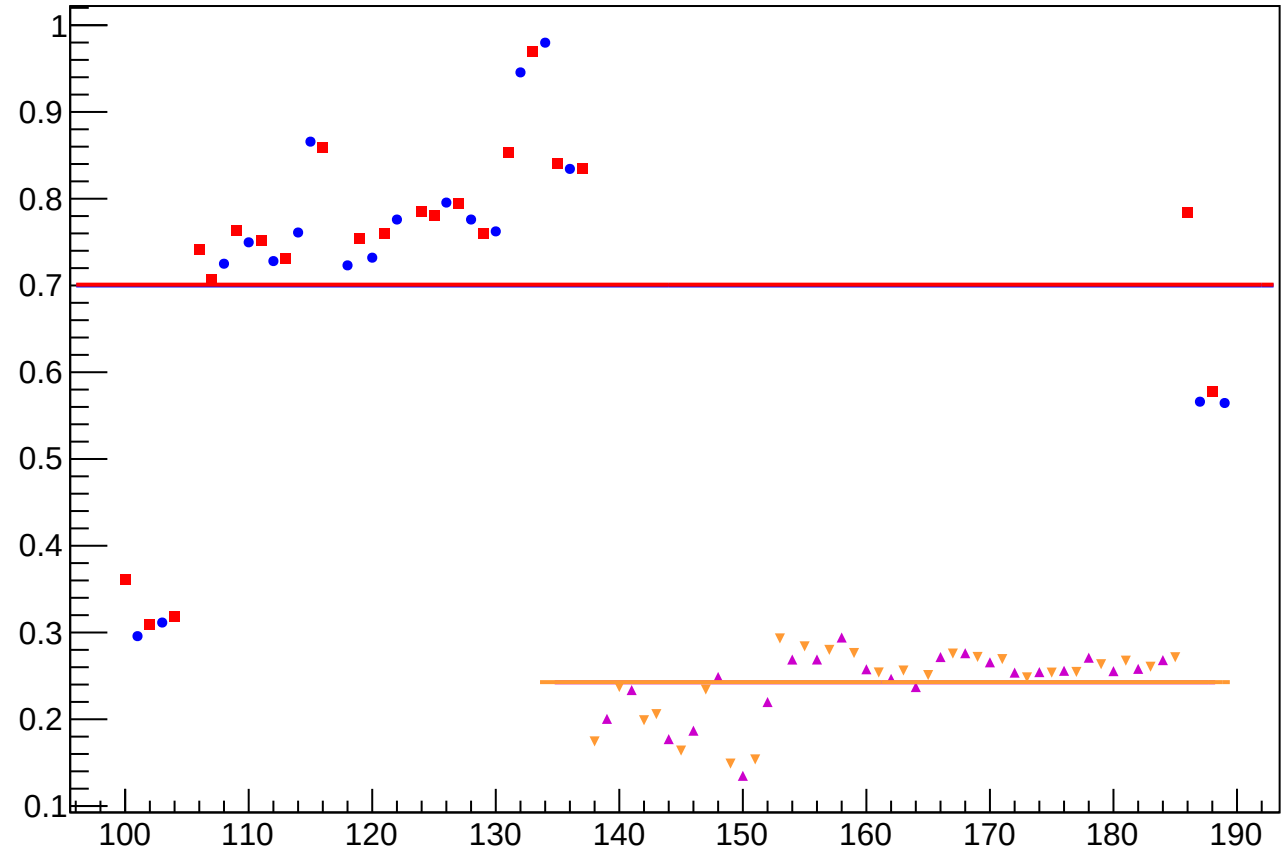
Right Out: 0.012+/-0.000 χ^2/NDF: 408872.6/20

Left In: 0.012+/-0.000 χ^2/NDF:326925.9/22

+ sign 0.012+/-0.000 χ^2/NDF: 623026.1/42

All: 0.012+/-0.000 χ^2/NDF: 1413427.9/86

- sign 0.012+/-0.000 χ^2/NDF: 786841.8/43



Right In: 0.700+/-0.000 χ^2/NDF: 50495106280.5/17

Left Out: 0.243+/-0.000 χ^2/NDF:7290530687.7/24

Right Out: 0.701+/-0.000 χ^2/NDF: 46559523575.8/20

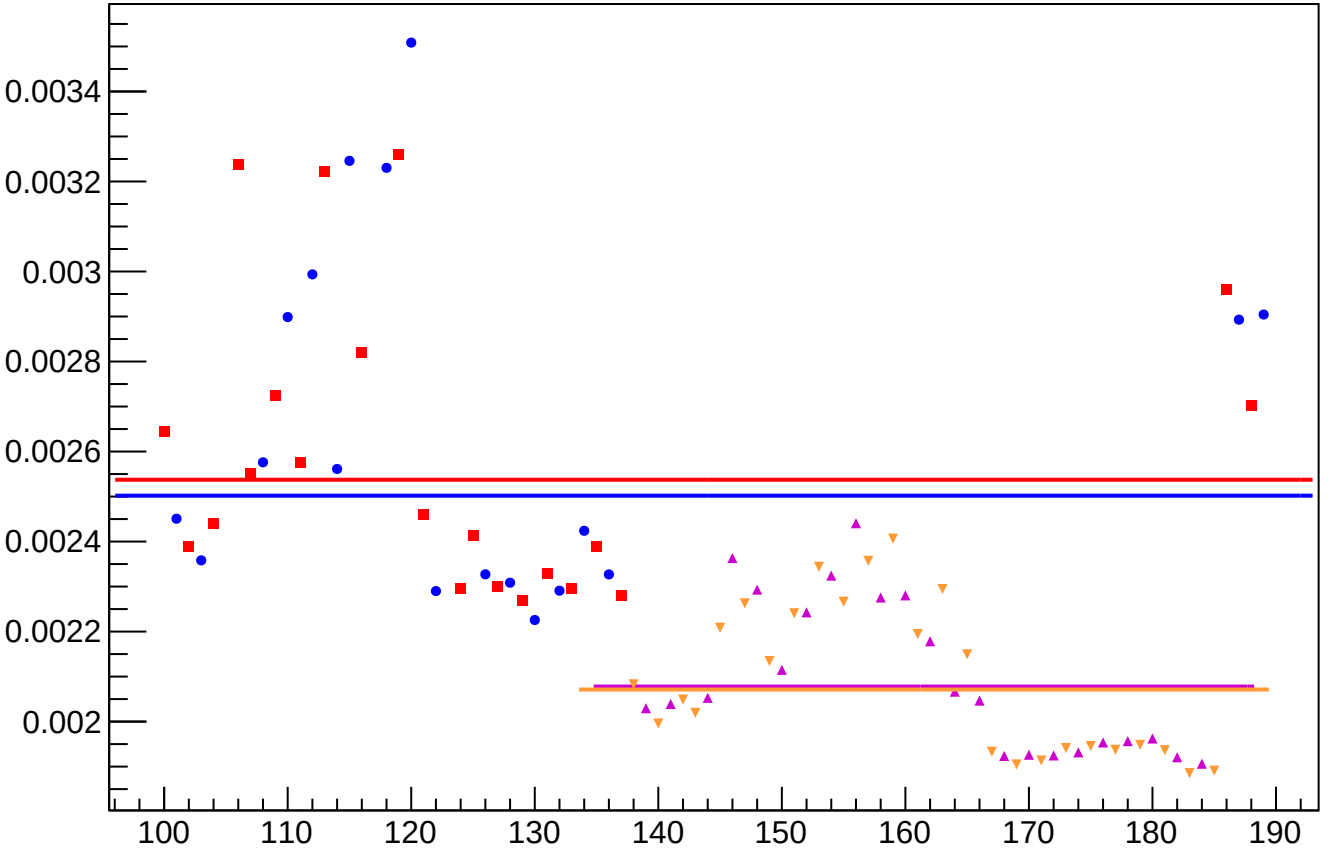
Left In: 0.243+/-0.000 χ^2/NDF:5781231269.1/22

+ sign 0.340+/-0.000 χ^2/NDF: 254693358630.4/42

All: 0.345+/-0.000 χ^2/NDF: 515621033358.6

- sign 0.351+/-0.000 χ^2/NDF: 260565071983.1/43

yield_bpm0l07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 235545.9/17

Left Out: 0.002+/-0.000 χ^2/NDF:233799.0/24

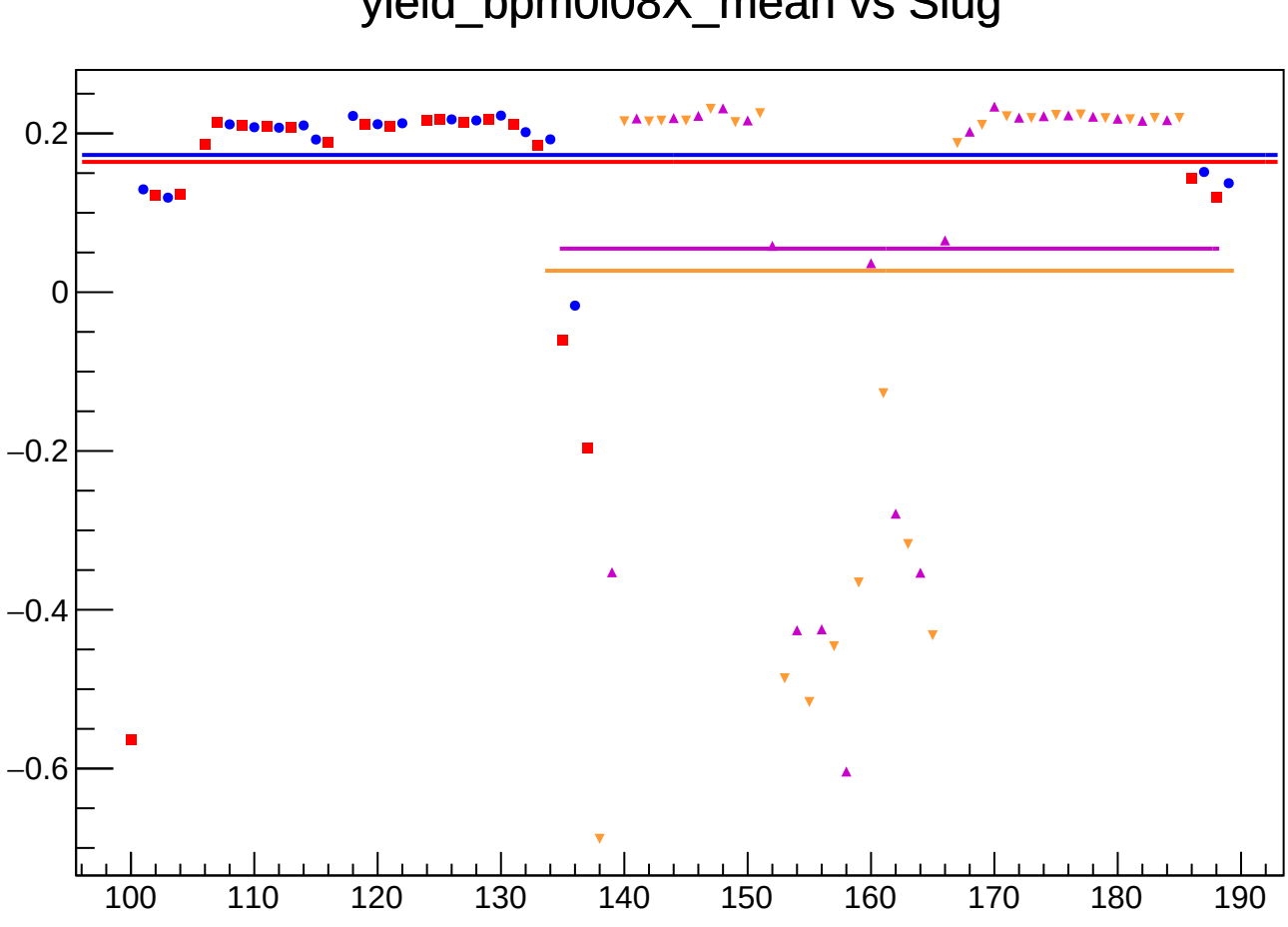
Right Out: 0.003+/-0.000 χ^2/NDF: 203601.6/20

Left In: 0.002+/-0.000 χ^2/NDF:211544.0/22

\+ sign 0.002+/-0.000 χ^2/NDF: 818857.8/42

All: 0.002+/-0.000 χ^2/NDF: 1655712.2/86

\- sign 0.002+/-0.000 χ^2/NDF: 833605.4/43



Right In: 0.173+/-0.000 χ^2/NDF: 404913960.7/17

Left Out: 0.027+/-0.000 χ^2/NDF:12975171876.0/24

Right Out: 0.164+/-0.000 χ^2/NDF: 903521294.5/20

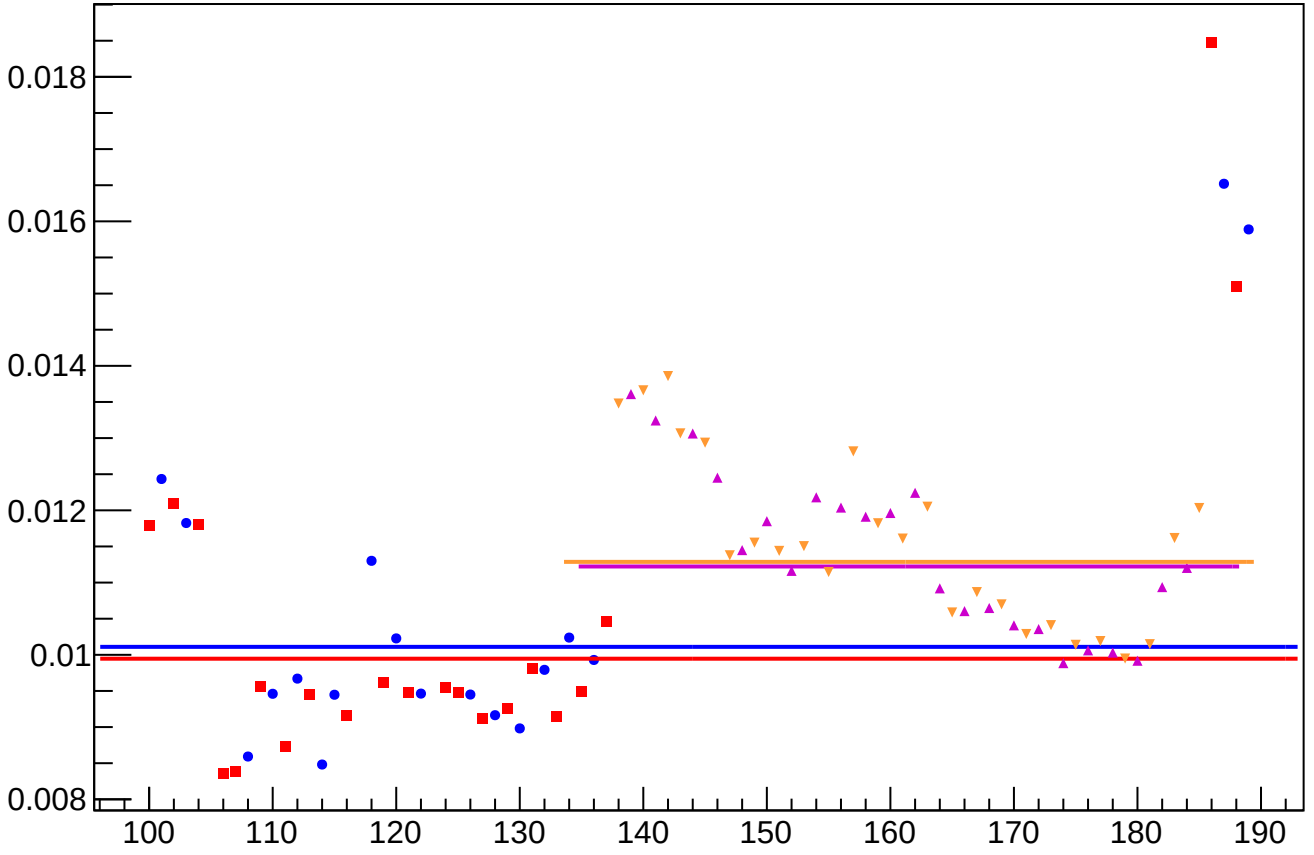
Left In: 0.055+/-0.000 χ^2/NDF:9704180322.0/22

+ sign 0.076+/-0.000 χ^2/NDF: 14407240886.4/42

All: 0.086+/-0.000 χ^2/NDF: 25681939166.4/8

- sign 0.096+/-0.000 χ^2/NDF: 11230240024.4/43

yield_bpm0l08X_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 342916.4/17

Left Out: 0.011+/-0.000 χ^2/NDF:328248.0/24

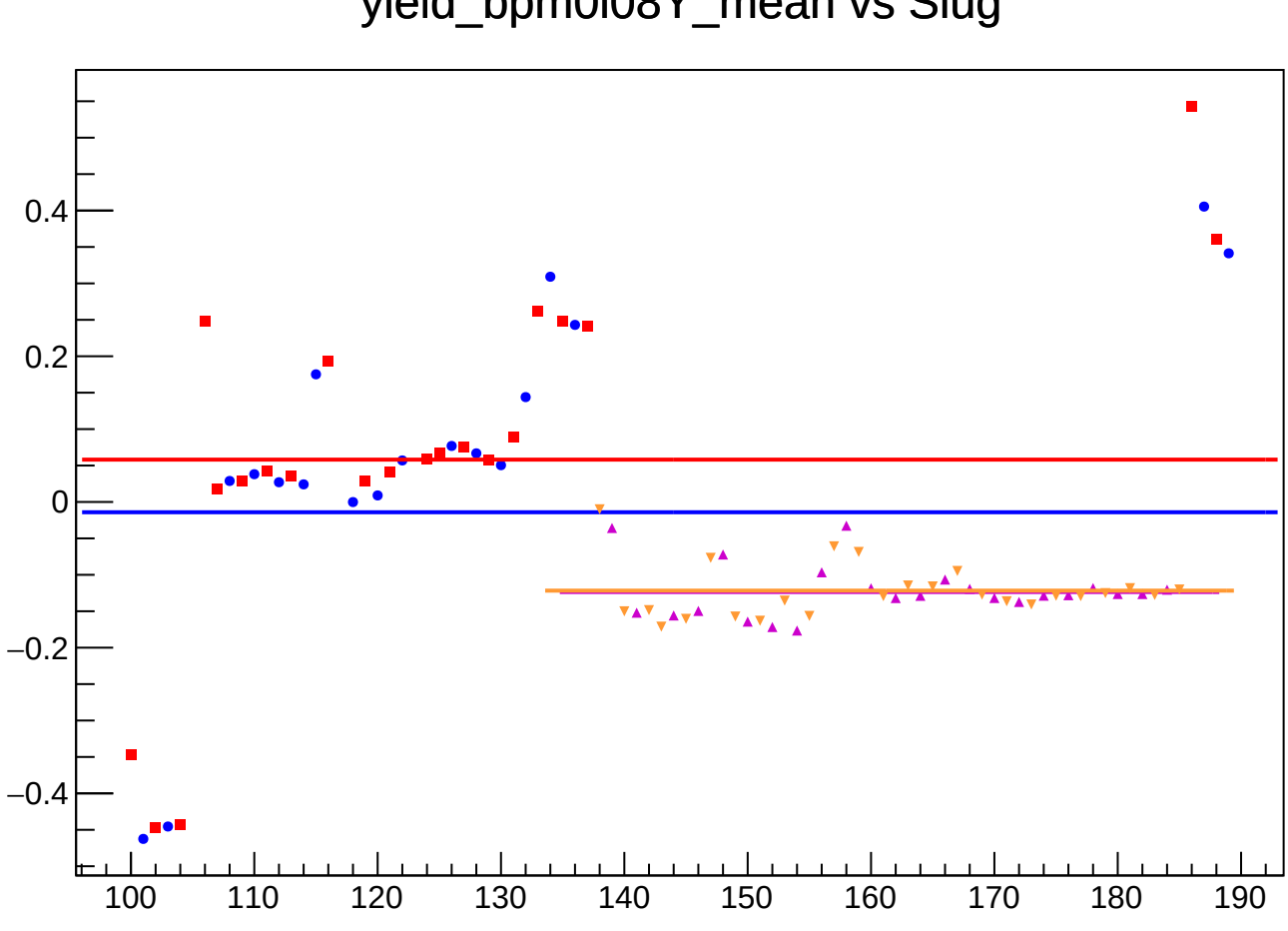
Right Out: 0.010+/-0.000 χ^2/NDF: 536967.6/20

Left In: 0.011+/-0.000 χ^2/NDF:315246.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 804941.1/42

All: 0.011+/-0.000 χ^2/NDF: 1832208.0/86

- sign 0.011+/-0.000 χ^2/NDF: 1022212.3/43



Right In: -0.014+/-0.000 χ^2/NDF: 29584999524.1/17

Left Out: -0.122+/-0.000 χ^2/NDF:2922583819.6/24

Right Out: 0.058+/-0.000 χ^2/NDF: 37117073623.4/20

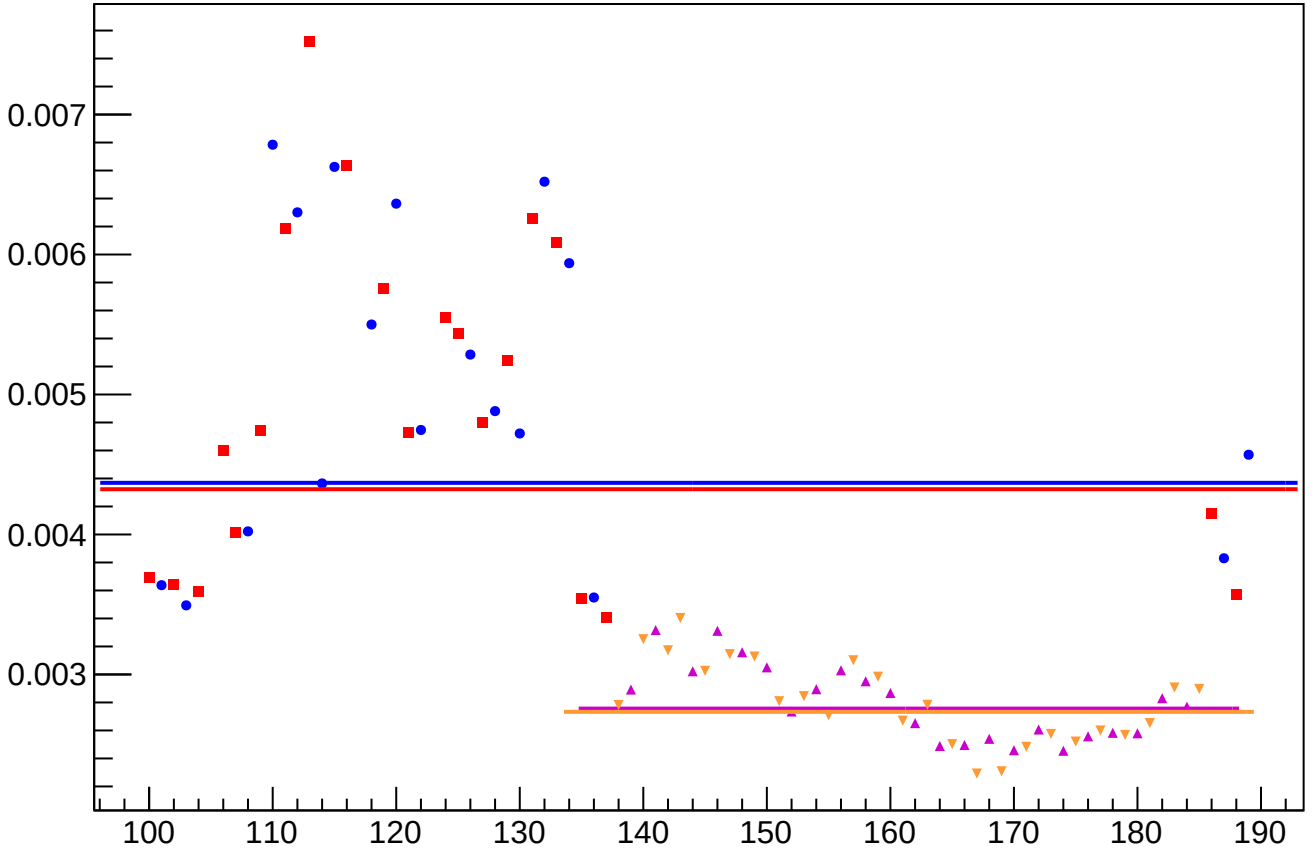
Left In: -0.124+/-0.000 χ^2/NDF:2809457047.2/22

+ sign -0.108+/-0.000 χ^2/NDF: 36094374862.9/42

All: -0.102+/-0.000 χ^2/NDF: 87654811731.0/

- sign -0.096+/-0.000 χ^2/NDF: 51360641607.8/43

yield_bpm0l08Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 668540.5/17

Left Out: 0.003+/-0.000 χ^2/NDF:391885.5/24

Right Out: 0.004+/-0.000 χ^2/NDF: 808154.0/20

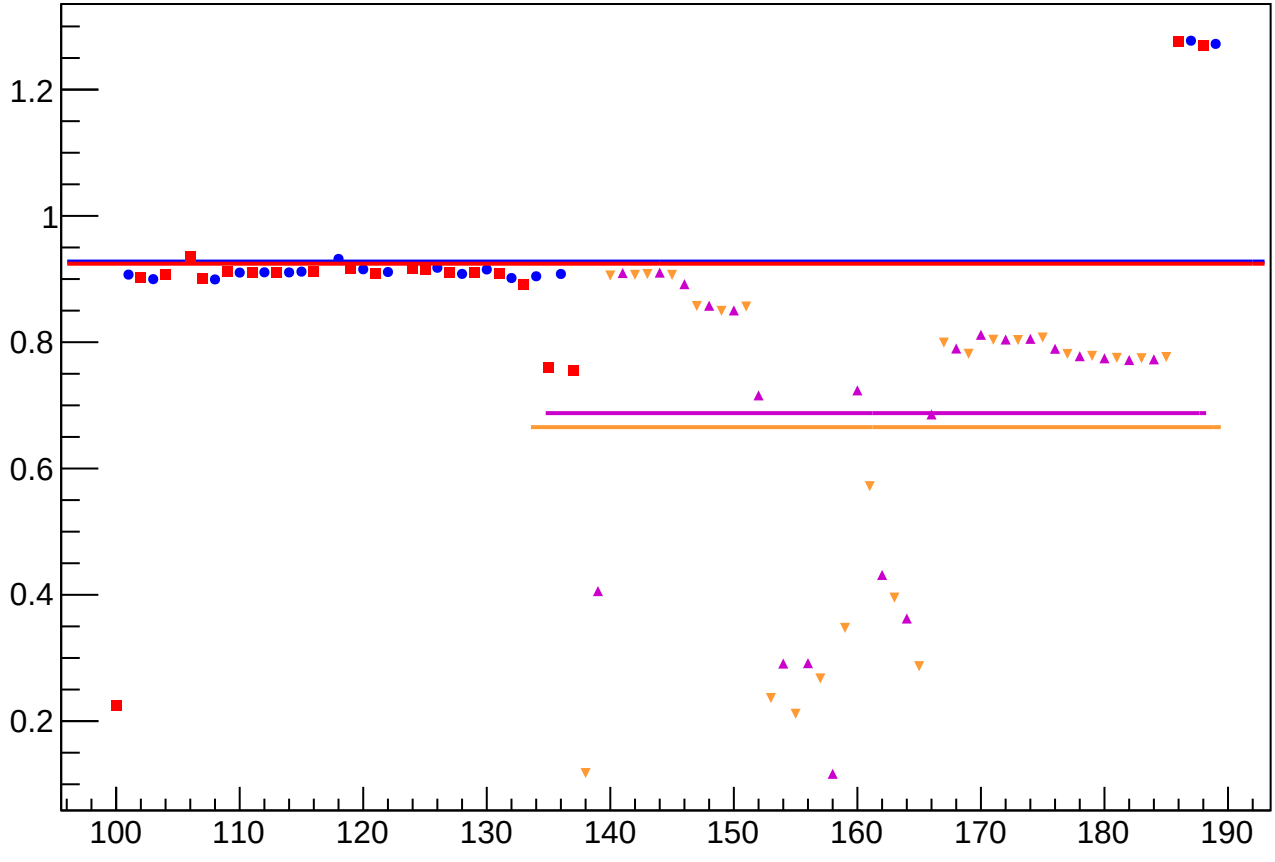
Left In: 0.003+/-0.000 χ^2/NDF:293113.7/22

+ sign 0.003+/-0.000 χ^2/NDF: 2718477.3/42

All: 0.003+/-0.000 χ^2/NDF: 5528071.4/86

- sign 0.003+/-0.000 χ^2/NDF: 2801464.6/43

yield_bpm0l09X_mean vs Slug



Right In: 0.928+/-0.000 χ^2/NDF: 372803503.8/17

Left Out: 0.666+/-0.000 χ^2/NDF:9213839939.9/24

Right Out: 0.924+/-0.000 χ^2/NDF: 1083729382.6/20

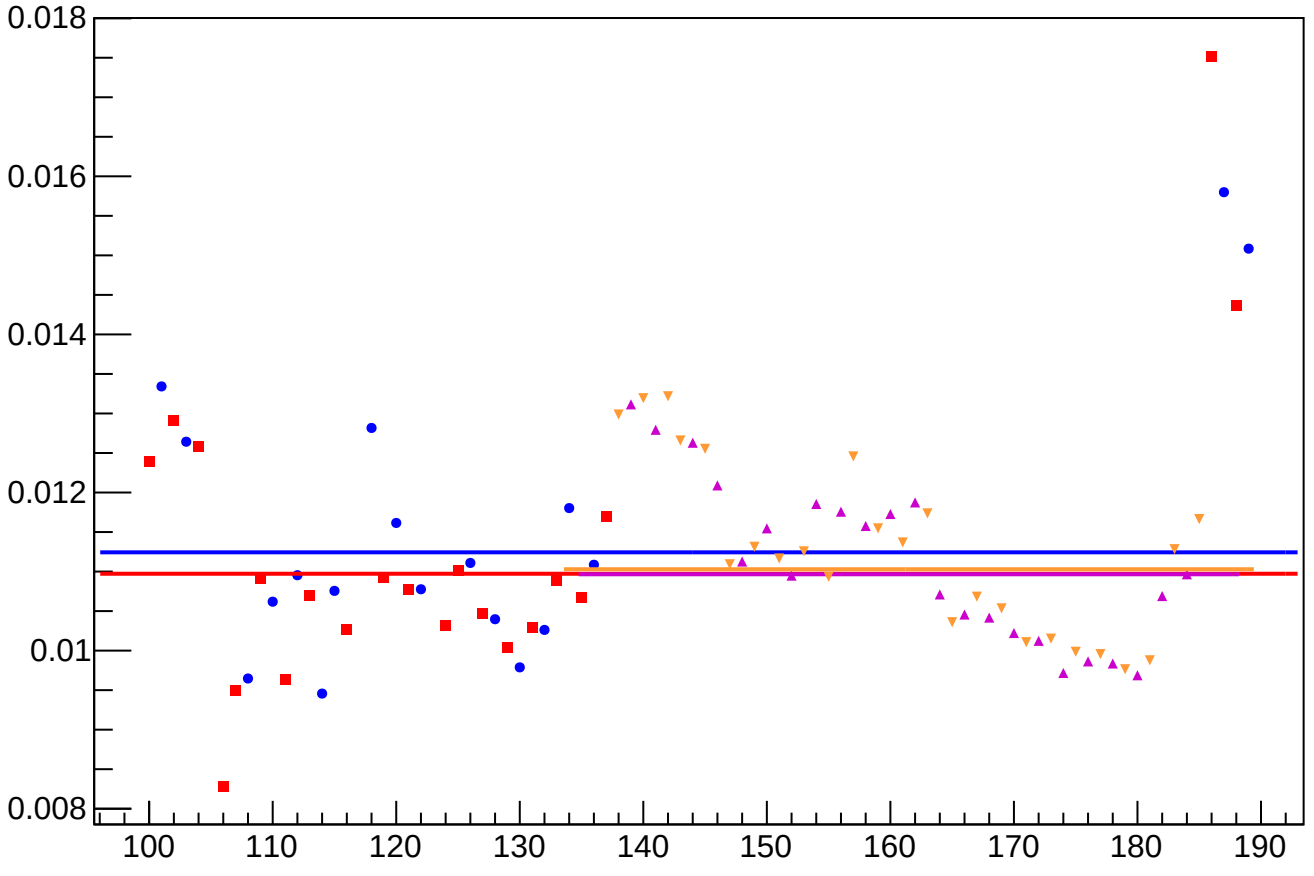
Left In: 0.688+/-0.000 χ^2/NDF:6999062215.3/22

+ sign 0.739+/-0.000 χ^2/NDF: 12516651708.9/42

All: 0.752+/-0.000 χ^2/NDF: 23305585345.2/8

- sign 0.765+/-0.000 χ^2/NDF: 10721323403.8/43

yield_bpm0l09X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 230204.1/17

Left Out: 0.011+/-0.000 χ^2/NDF:299445.0/24

Right Out: 0.011+/-0.000 χ^2/NDF: 369643.5/20

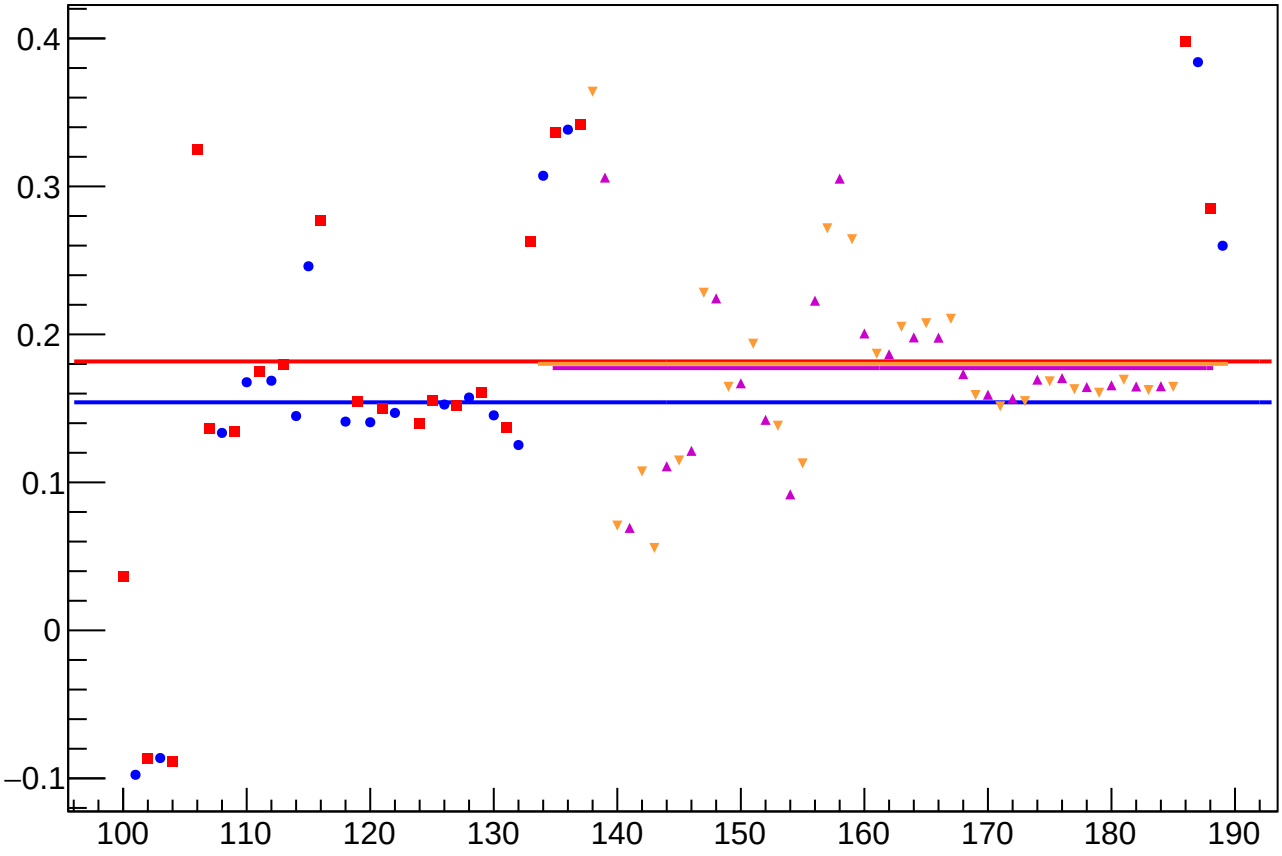
Left In: 0.011+/-0.000 χ^2/NDF:287650.0/22

+ sign 0.011+/-0.000 χ^2/NDF: 533550.2/42

All: 0.011+/-0.000 χ^2/NDF: 1194006.7/86

- sign 0.011+/-0.000 χ^2/NDF: 657297.8/43

yield_bpm0l09Y_mean vs Slug



Right In: 0.154+/-0.000 χ^2/NDF: 8467047569.1/17

Left Out: 0.180+/-0.000 χ^2/NDF:6448853953.3/24

Right Out: 0.182+/-0.000 χ^2/NDF: 8894399947.0/20

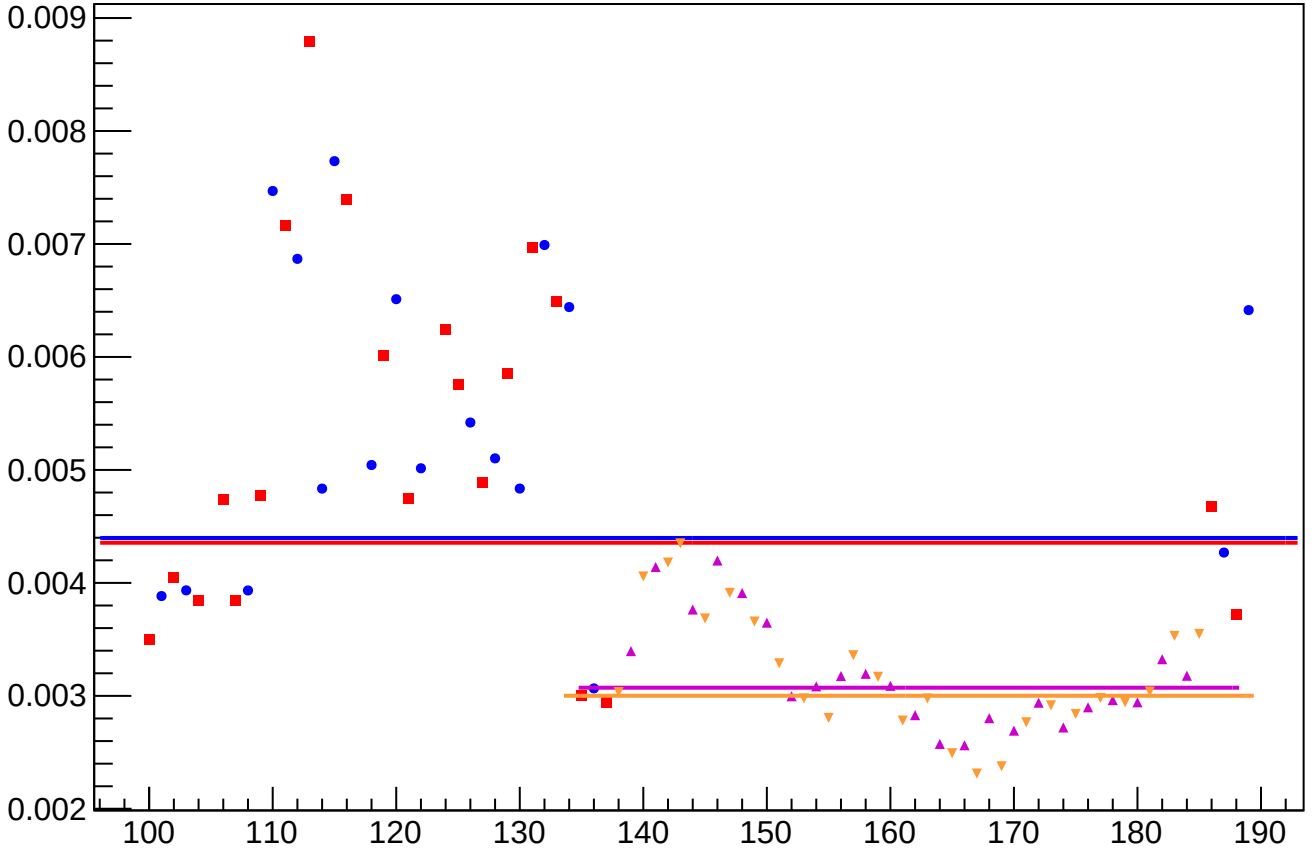
Left In: 0.177+/-0.000 χ^2/NDF:4620854117.7/22

+ sign 0.176+/-0.000 χ^2/NDF: 15105596924.0/42

All: 0.177+/-0.000 χ^2/NDF: 28630037092.0/8

- sign 0.178+/-0.000 χ^2/NDF: 13521586486.9/43

yield_bpm0l09Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 981670.8/17

Left Out: 0.003+/-0.000 χ^2/NDF:888350.2/24

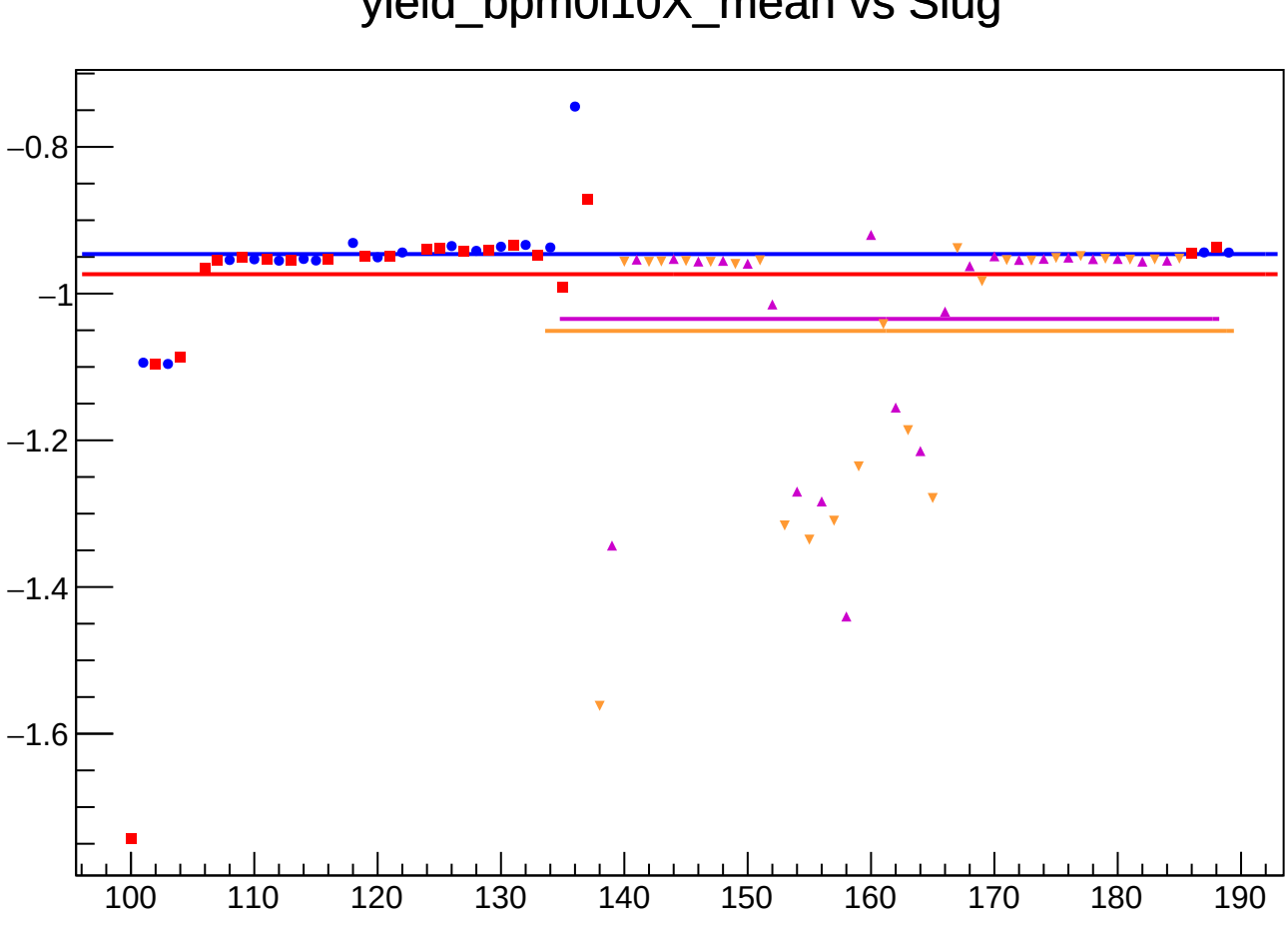
Right Out: 0.004+/-0.000 χ^2/NDF: 1145617.8/20

Left In: 0.003+/-0.000 χ^2/NDF:587459.6/22

+ sign 0.003+/-0.000 χ^2/NDF: 2963628.8/42

All: 0.003+/-0.000 χ^2/NDF: 5736487.9/86

- sign 0.003+/-0.000 χ^2/NDF: 2752582.1/43



Right In: -0.946+/-0.000 χ^2/NDF: 404527524.0/17

Left Out: -1.051+/-0.000 χ^2/NDF:5082084184.4/24

Right Out: -0.974+/-0.000 χ^2/NDF: 471779079.9/20

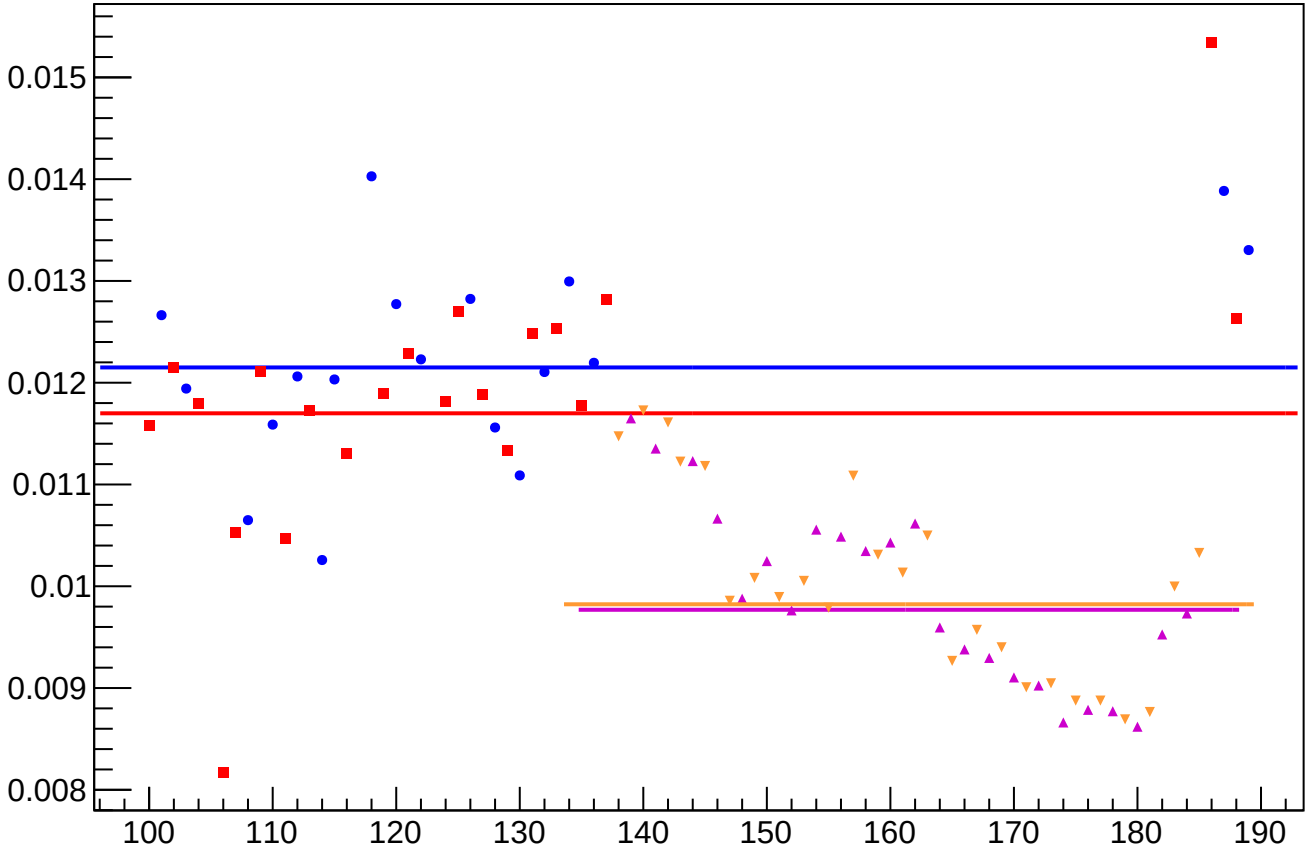
Left In: -1.035+/-0.000 χ^2/NDF:3925761523.9/22

+ sign -1.029+/-0.000 χ^2/NDF: 5929151268.4/42

All: -1.024+/-0.000 χ^2/NDF: 10509496925.7/

- sign -1.019+/-0.000 χ^2/NDF: 4569110729.4/43

yield_bpm0l10X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 76512.3/17

Left Out: 0.010+/-0.000 χ^2/NDF:293862.1/24

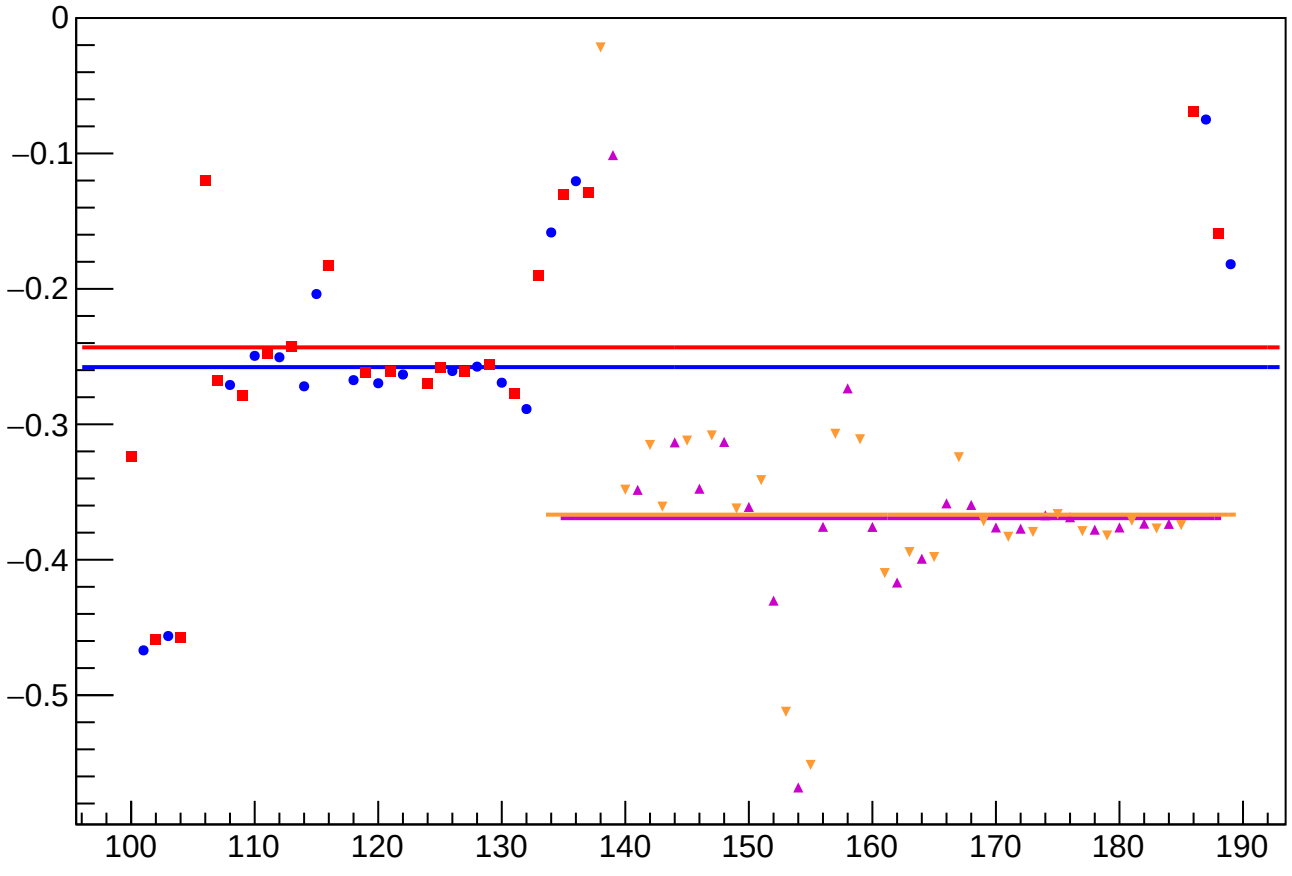
Right Out: 0.012+/-0.000 χ^2/NDF: 207978.6/20

Left In: 0.010+/-0.000 χ^2/NDF:281817.4/22

+ sign 0.010+/-0.000 χ^2/NDF: 807427.4/42

All: 0.010+/-0.000 χ^2/NDF: 1642281.3/86

- sign 0.010+/-0.000 χ^2/NDF: 834006.7/43



Right In: -0.258+/-0.000 χ^2/NDF: 6484425062.8/17

Left Out: -0.367+/-0.000 χ^2/NDF:11945266102.2/24

Right Out: -0.243+/-0.000 χ^2/NDF: 6350521300.4/20

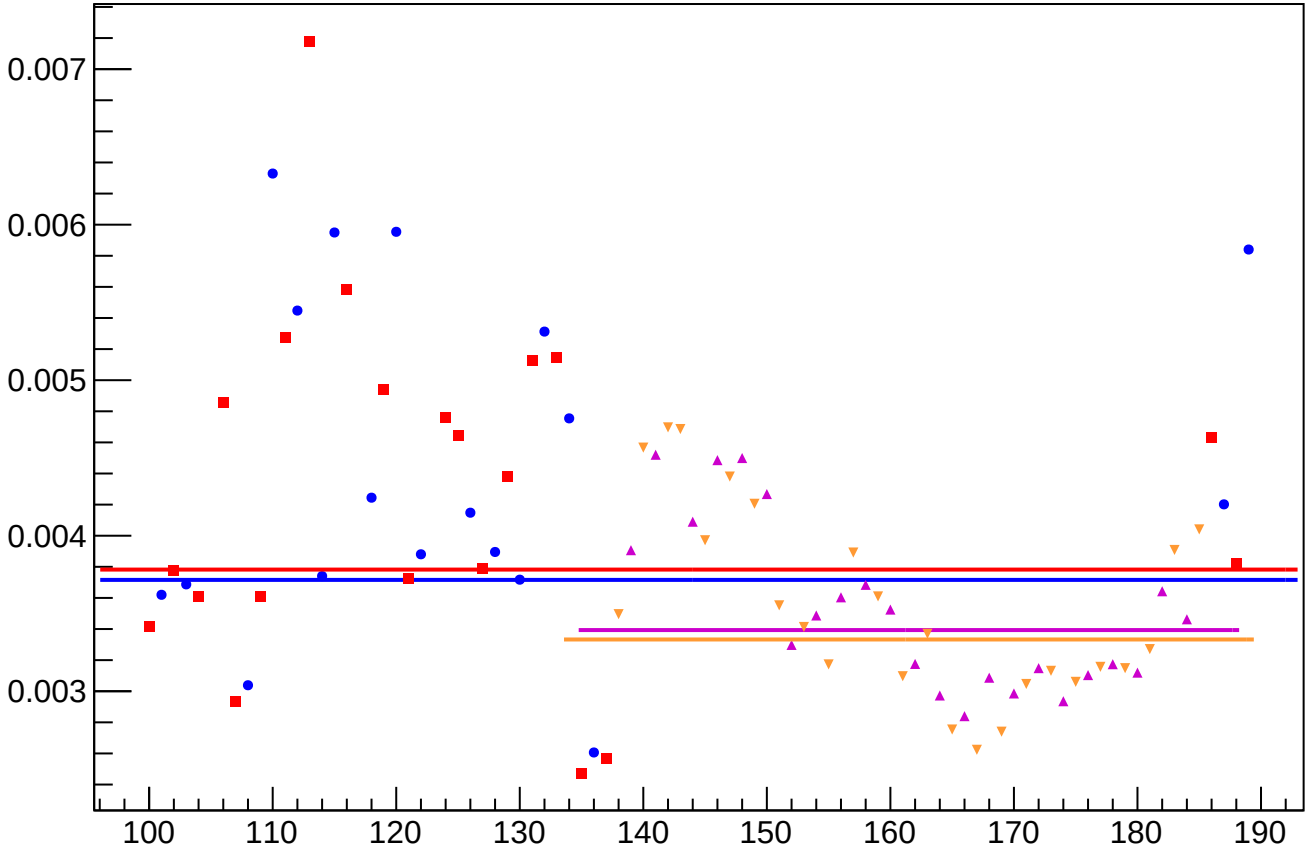
Left In: -0.369+/-0.000 χ^2/NDF:7581323027.3/22

+ sign -0.342+/-0.000 χ^2/NDF: 22652711451.4/42

All: -0.339+/-0.000 χ^2/NDF: 42580191082.6/

- sign -0.337+/-0.000 χ^2/NDF: 19895749934.7/43

yield_bpm0l10Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 870739.9/17

Left Out: 0.003+/-0.000 χ^2/NDF:857705.2/24

Right Out: 0.004+/-0.000 χ^2/NDF: 921004.0/20

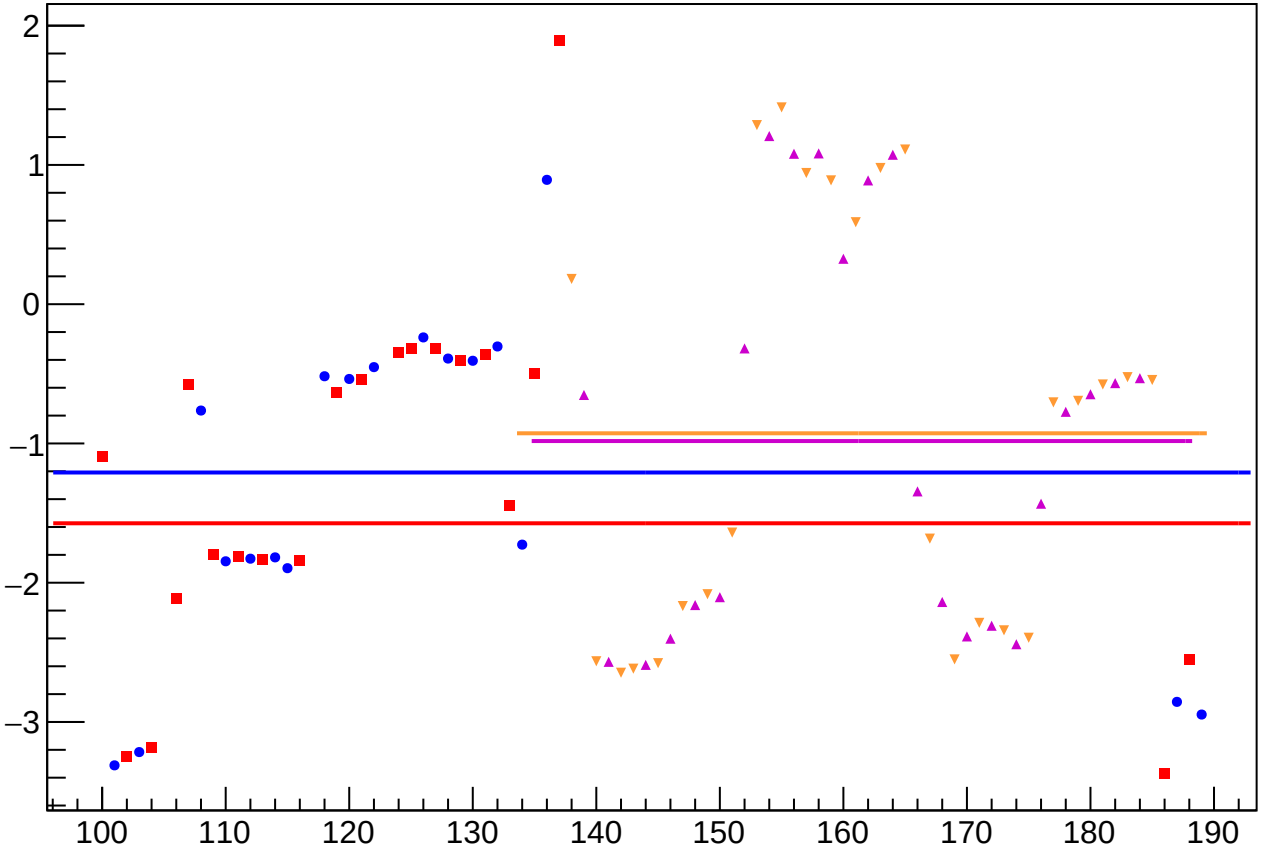
Left In: 0.003+/-0.000 χ^2/NDF:633604.8/22

+ sign 0.003+/-0.000 χ^2/NDF: 1832967.4/42

All: 0.003+/-0.000 χ^2/NDF: 3512300.6/86

- sign 0.003+/-0.000 χ^2/NDF: 1668008.0/43

yield_bpm0r03X_mean vs Slug



Right In: -1.209+/-0.000 χ^2/NDF: 2756002771.5/17

Left Out: -0.927+/-0.000 χ^2/NDF:7248712470.7/24

Right Out: -1.573+/-0.000 χ^2/NDF: 2448783328.4/20

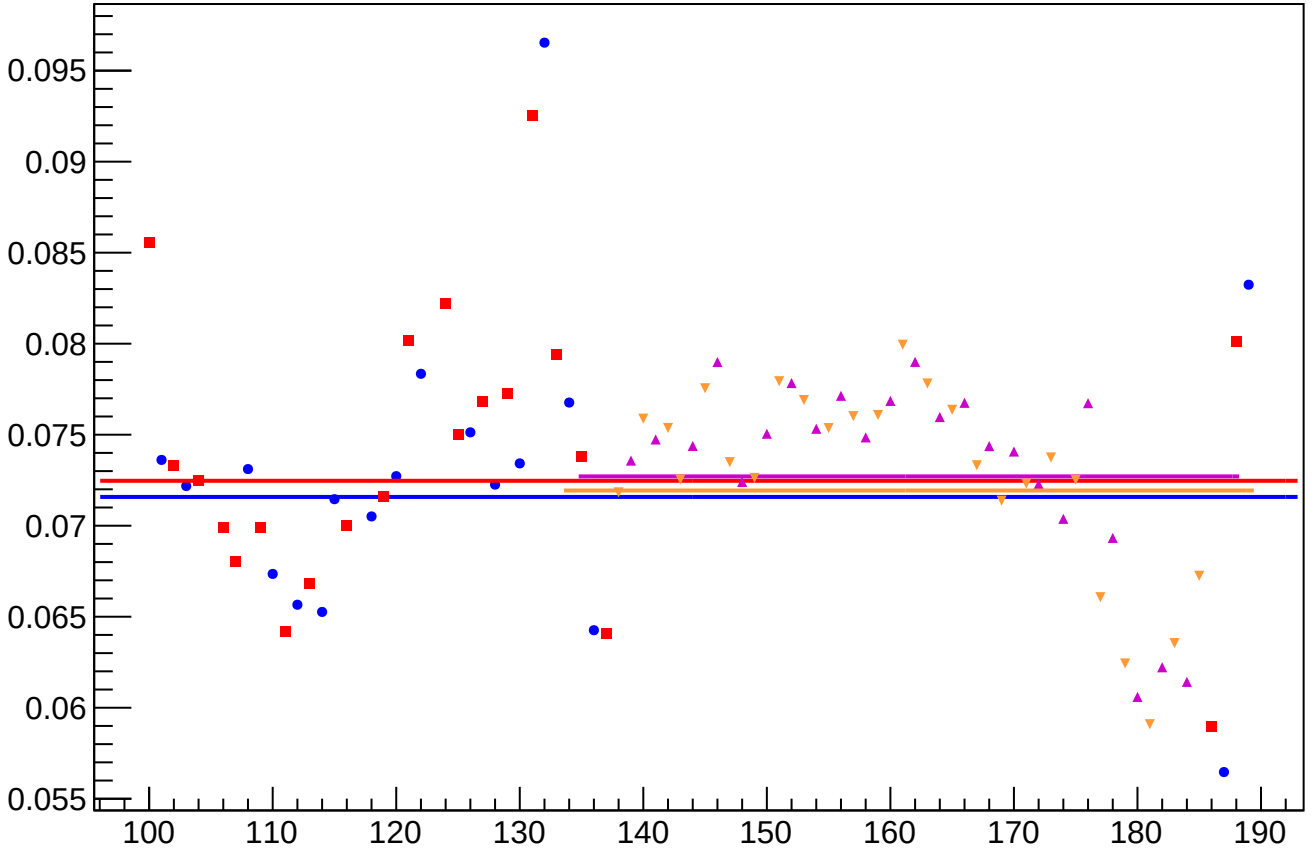
Left In: -0.983+/-0.000 χ^2/NDF:5918975536.0/22

+ sign -1.009+/-0.000 χ^2/NDF: 10089041196.7/42

All: -1.091+/-0.000 χ^2/NDF: 18911308521.3/

- sign -1.175+/-0.000 χ^2/NDF: 8752008643.7/43

yield_bpm0r03X_rms vs Slug



Right In: 0.072+/-0.000 χ^2/NDF: 146586.4/17

Left Out: 0.072+/-0.000 χ^2/NDF:235534.6/24

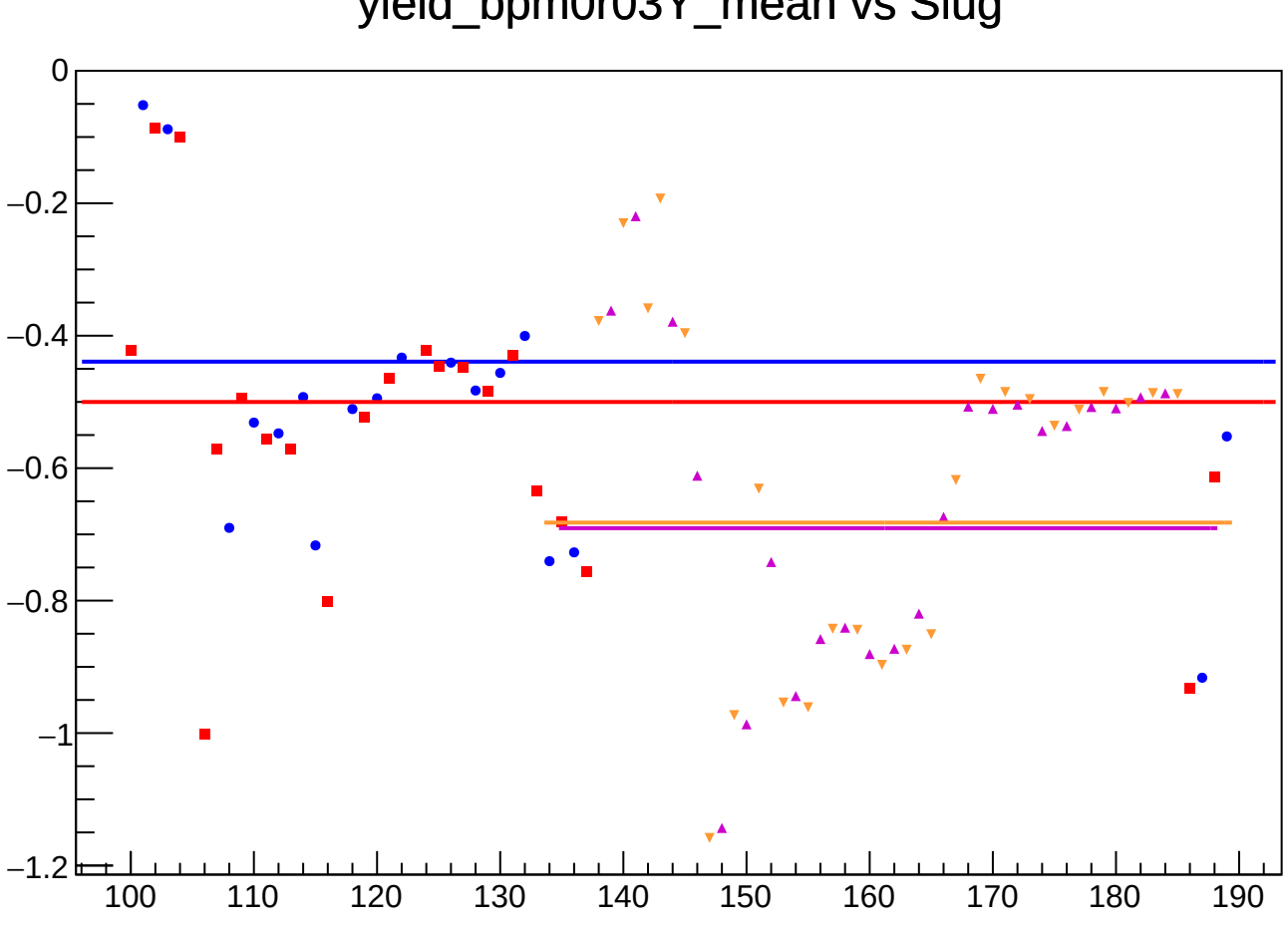
Right Out: 0.072+/-0.000 χ^2/NDF: 156186.2/20

Left In: 0.073+/-0.000 χ^2/NDF:197009.2/22

+ sign 0.072+/-0.000 χ^2/NDF: 382386.6/42

All: 0.072+/-0.000 χ^2/NDF: 738959.5/86

- sign 0.073+/-0.000 χ^2/NDF: 353323.6/43



Right In: -0.439+/-0.000 χ^2/NDF: 3457356432.7/17

Left Out: -0.682+/-0.000 χ^2/NDF:21823342960.4/24

Right Out: -0.500+/-0.000 χ^2/NDF: 4205179341.5/20

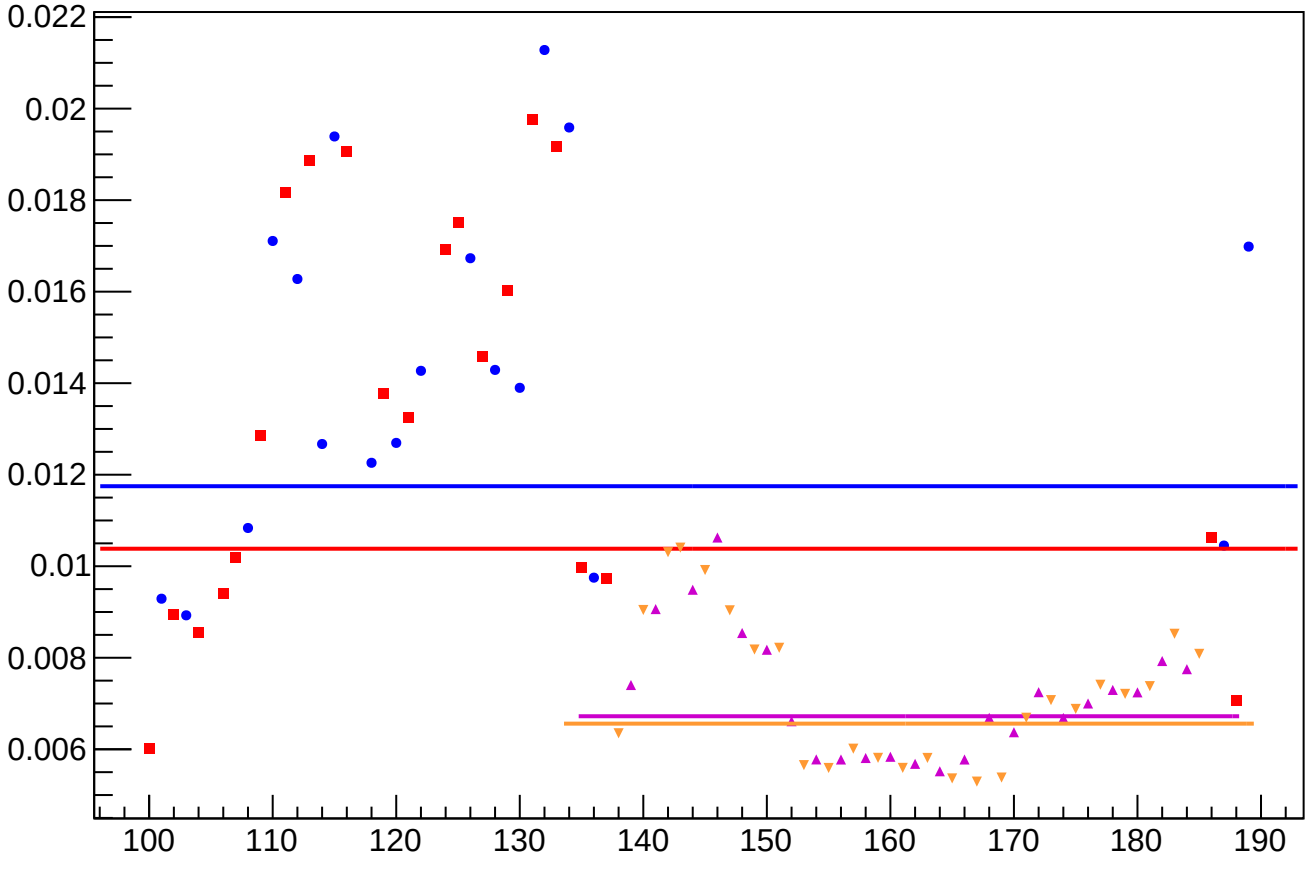
Left In: -0.691+/-0.000 χ^2/NDF:16867819938.3/22

+ sign -0.657+/-0.000 χ^2/NDF: 27799405388.2/42

All: -0.660+/-0.000 χ^2/NDF: 50863712169.8/

- sign -0.662+/-0.000 χ^2/NDF: 23057406214.7/43

yield_bpm0r03Y_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 888429.8/17

Left Out: 0.007+/-0.000 χ^2/NDF:1404221.4/24

Right Out: 0.010+/-0.000 χ^2/NDF: 1618917.9/20

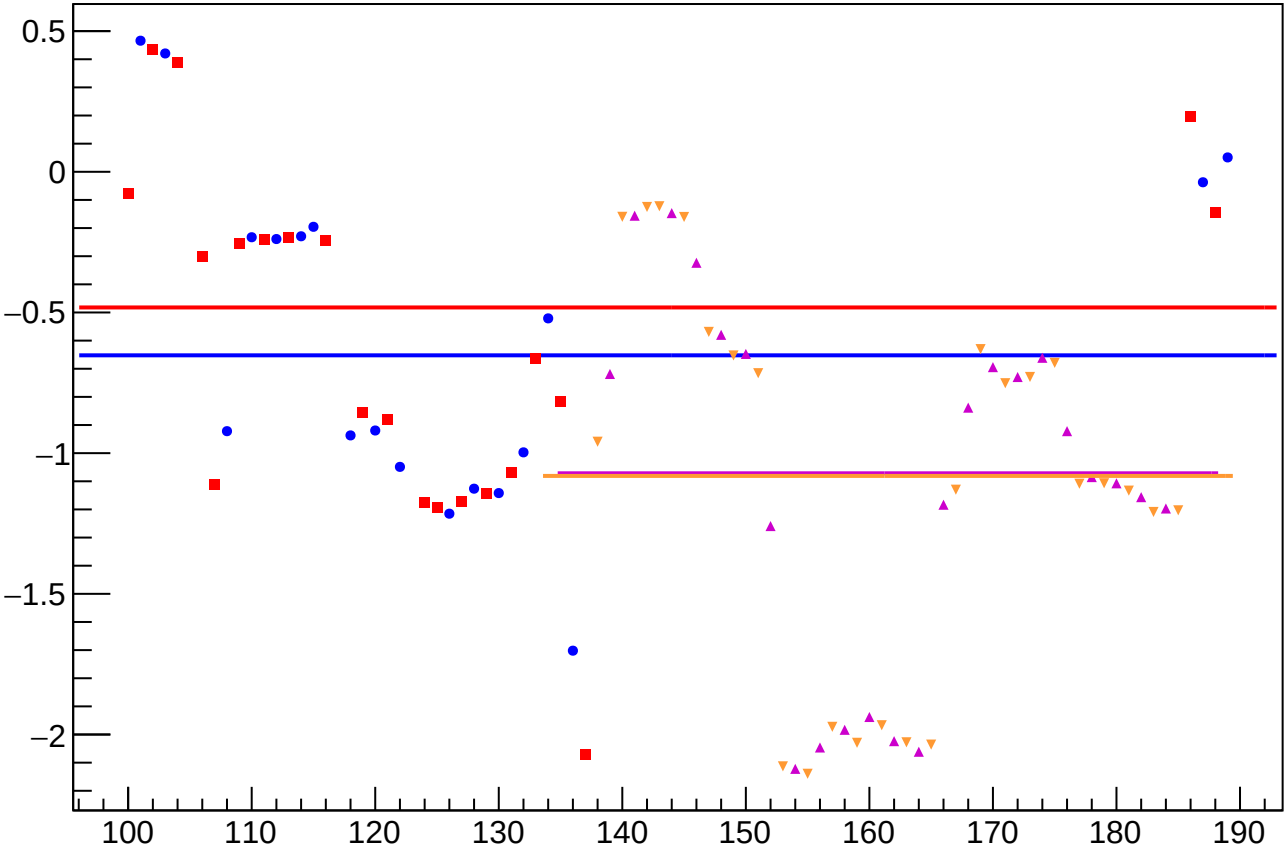
Left In: 0.007+/-0.000 χ^2/NDF:960755.3/22

+ sign 0.007+/-0.000 χ^2/NDF: 4588676.3/42

All: 0.007+/-0.000 χ^2/NDF: 8645023.6/86

- sign 0.007+/-0.000 χ^2/NDF: 4044800.7/43

yield_bpm0r05X_mean vs Slug



Right In: -0.652+/-0.000 χ^2/NDF: 482460934.4/17

Left Out: -1.081+/-0.000 χ^2/NDF:1152285460.9/24

Right Out: -0.482+/-0.000 χ^2/NDF: 406376742.1/20

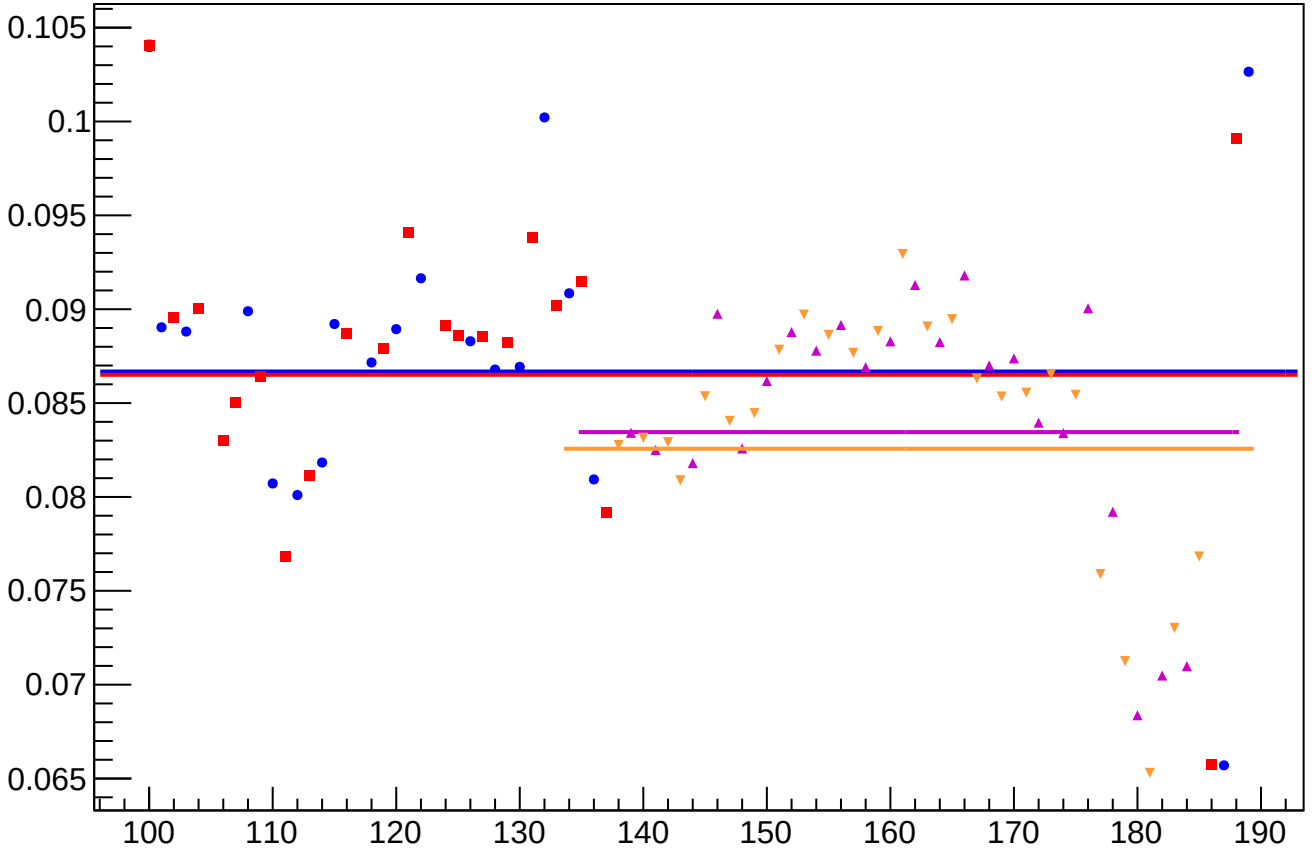
Left In: -1.072+/-0.000 χ^2/NDF:975623531.2/22

+ sign -0.965+/-0.000 χ^2/NDF: 1774594610.2/42

All: -0.927+/-0.000 χ^2/NDF: 3447727464.4/8

- sign -0.889+/-0.000 χ^2/NDF: 1662161701.2/43

yield_bpm0r05X_rms vs Slug



Right In: 0.087+/-0.000 χ^2/NDF: 107124.5/17

Left Out: 0.083+/-0.000 χ^2/NDF:291134.3/24

Right Out: 0.087+/-0.000 χ^2/NDF: 159697.0/20

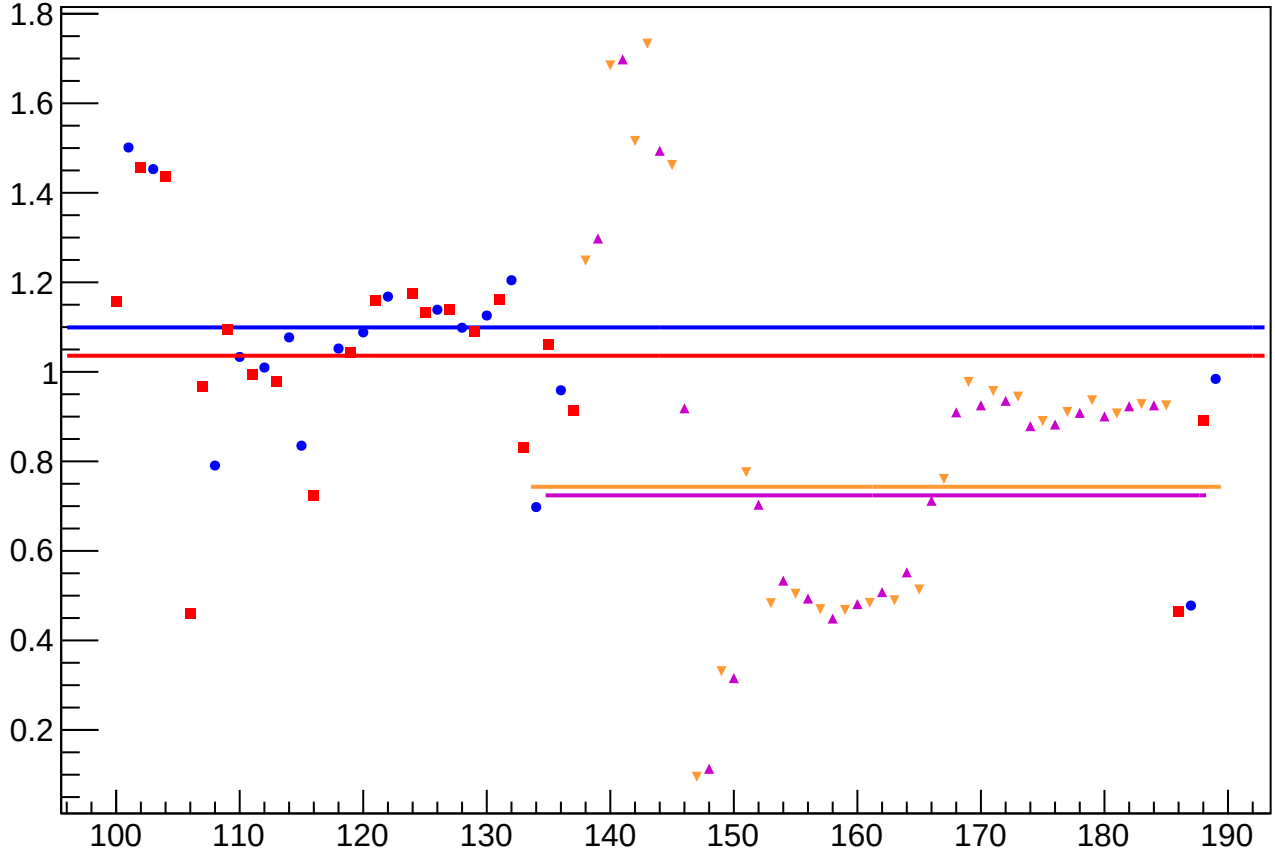
Left In: 0.083+/-0.000 χ^2/NDF:238412.3/22

+ sign 0.084+/-0.000 χ^2/NDF: 424017.3/42

All: 0.084+/-0.000 χ^2/NDF: 839111.0/86

- sign 0.084+/-0.000 χ^2/NDF: 413131.5/43

yield_bpm0r05Y_mean vs Slug



Right In: 1.099+/-0.000 χ^2/NDF: 1820845294.9/17

Left Out: 0.743+/-0.000 χ^2/NDF:32581746516.6/24

Right Out: 1.036+/-0.000 χ^2/NDF: 2533832106.2/20

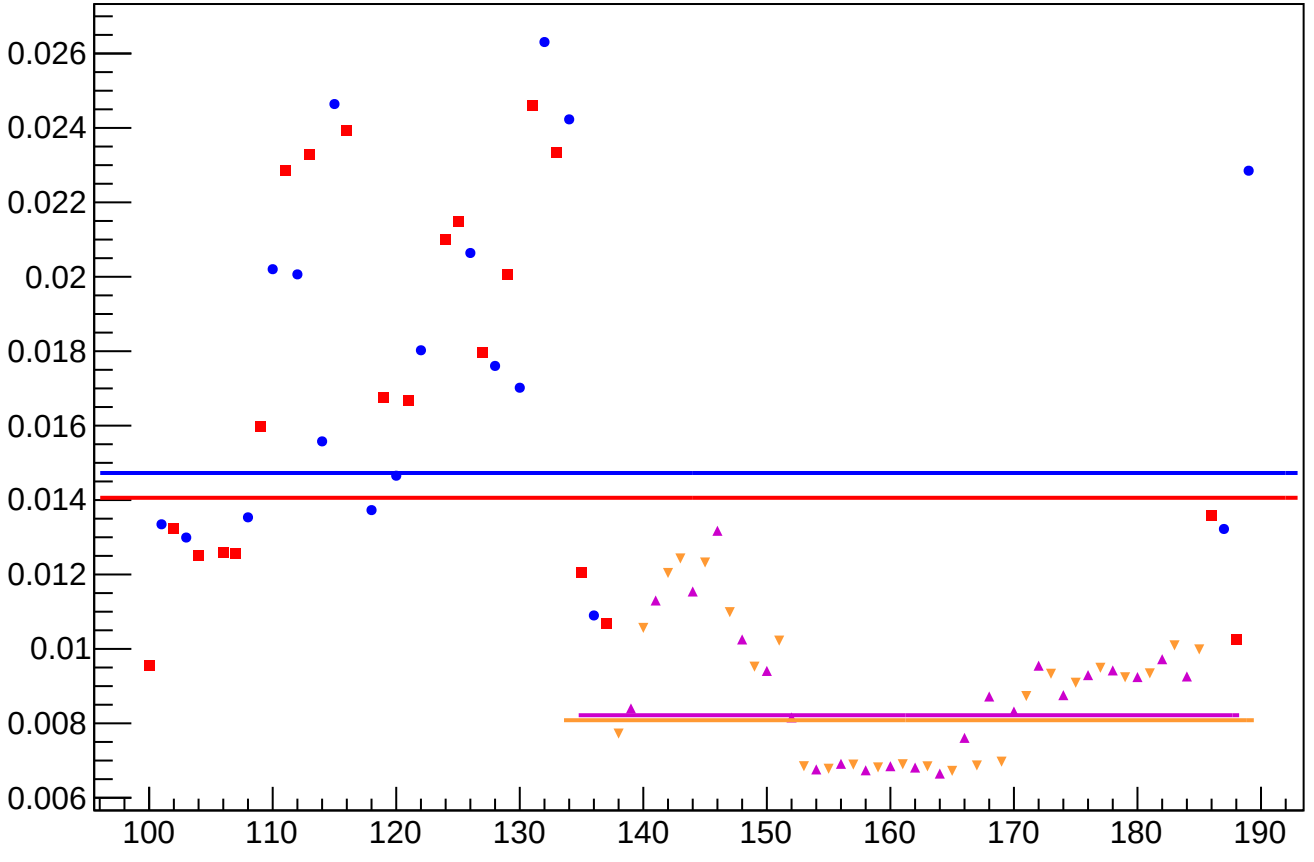
Left In: 0.724+/-0.000 χ^2/NDF:25654534031.9/22

+ sign 0.779+/-0.000 χ^2/NDF: 37852002976.2/42

All: 0.772+/-0.000 χ^2/NDF: 69139820374.2/8

- sign 0.764+/-0.000 χ^2/NDF: 31254459608.5/43

yield_bpm0r05Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 844156.7/17

Left Out: 0.008+/-0.000 χ^2/NDF:1406307.1/24

Right Out: 0.014+/-0.000 χ^2/NDF: 1149226.0/20

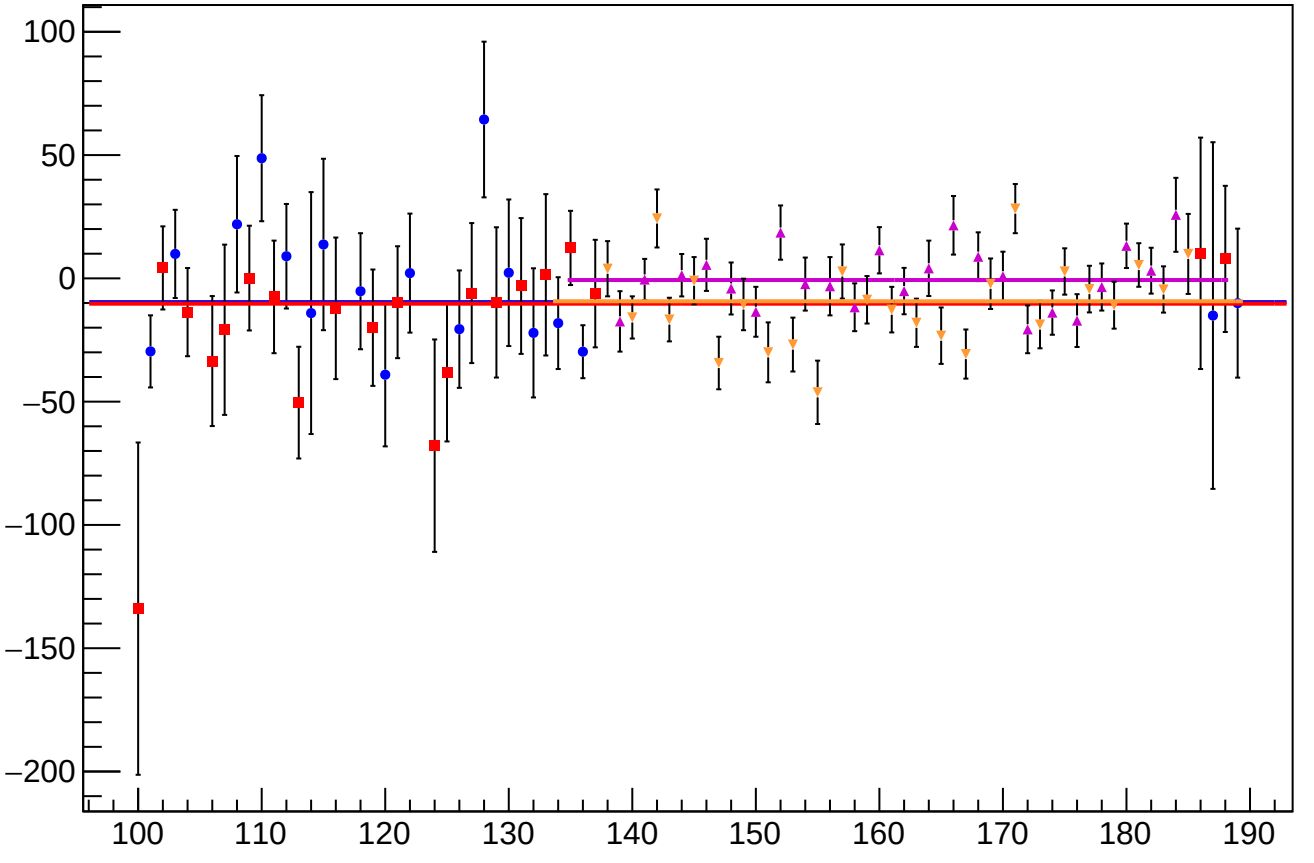
Left In: 0.008+/-0.000 χ^2/NDF:1127833.6/22

\+ sign 0.009+/-0.000 χ^2/NDF: 4652232.9/42

All: 0.009+/-0.000 χ^2/NDF: 9094213.2/86

\- sign 0.009+/-0.000 χ^2/NDF: 4428903.6/43

diff_bpm4aX_mean vs Slug



Right In: -9.625+/-5.197 χ^2/NDF: 21.9/17

Left Out: -9.292+/-2.031 χ^2/NDF:61.1/24

Right Out: -10.273+/-5.370 χ^2/NDF: 14.5/20

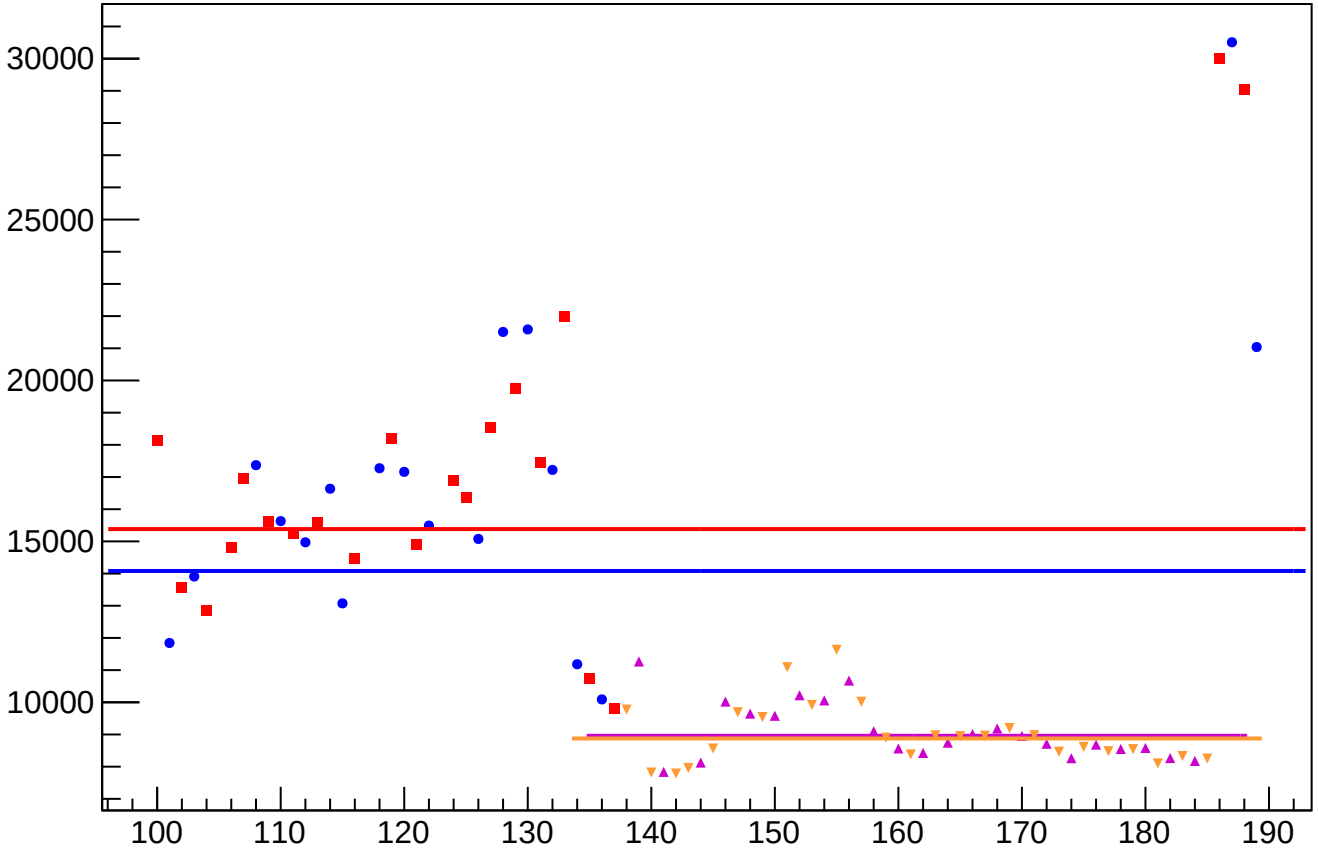
Left In: -0.676+/-2.104 χ^2/NDF:29.4/22

+ sign -9.336+/-1.891 χ^2/NDF: 83.1/42

All: -5.775+/-1.361 χ^2/NDF: 137.1/86

- sign -1.954+/-1.959 χ^2/NDF: 46.6/43

diff_bpm4aX_rms vs Slug



Right In: 14080.293+/-3.675 χ^2/NDF: 969594.5/17

Left Out: 8875.623+/-1.436 χ^2/NDF:346964.6/24

Right Out: 15382.380+/-3.797 χ^2/NDF: 1205483.7/20

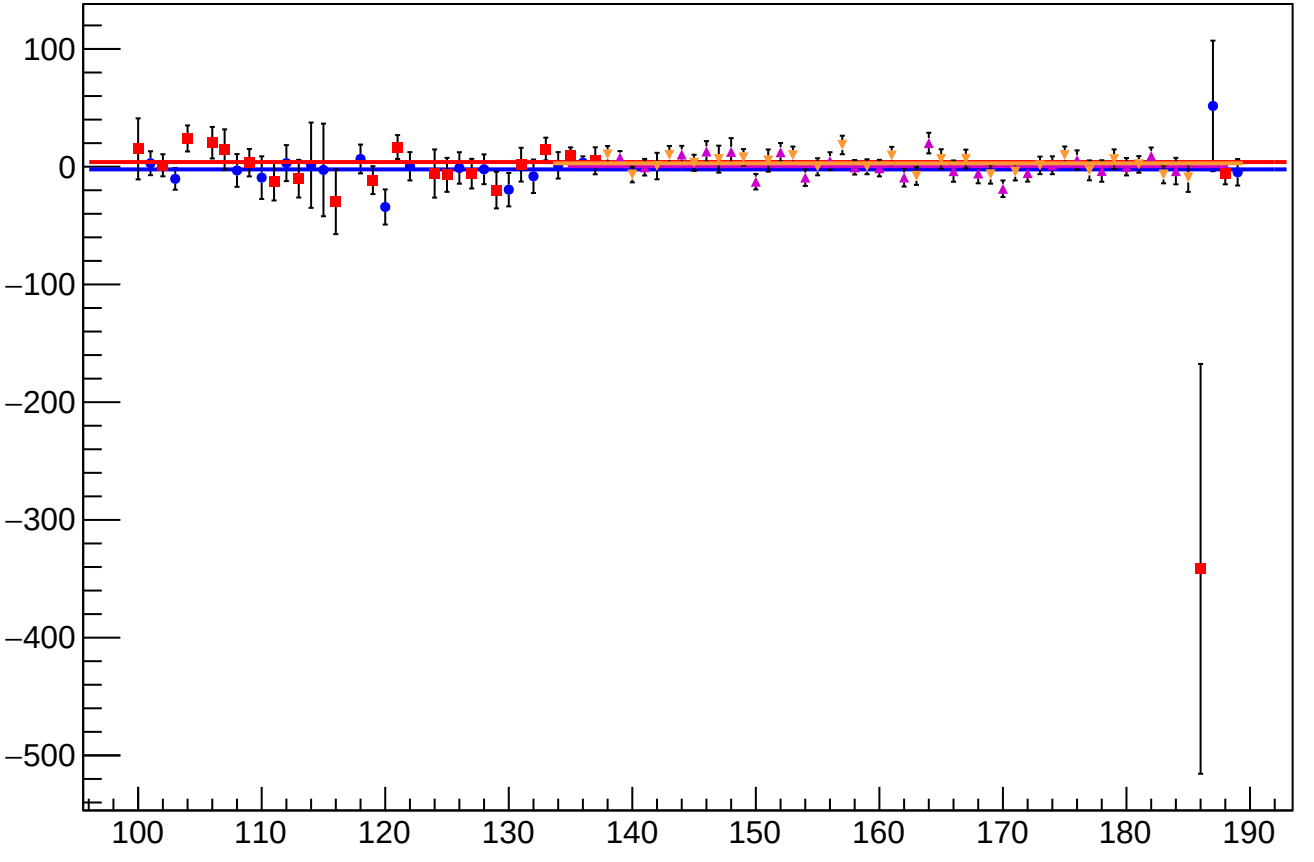
Left In: 8958.661+/-1.488 χ^2/NDF:301724.6/22

+ sign 9564.925+/-1.337 χ^2/NDF: 3056718.6/42

All: 9684.990+/-0.962 χ^2/NDF: 7061999.4/86

- sign 9813.814+/-1.385 χ^2/NDF: 3988573.5/43

diff_bpm4aY_mean vs Slug



Right In: -2.284+/-2.824 χ^2/NDF: 10.3/17

Left Out: 2.879+/-1.554 χ^2/NDF:19.5/24

Right Out: 3.948+/-2.715 χ^2/NDF: 22.7/20

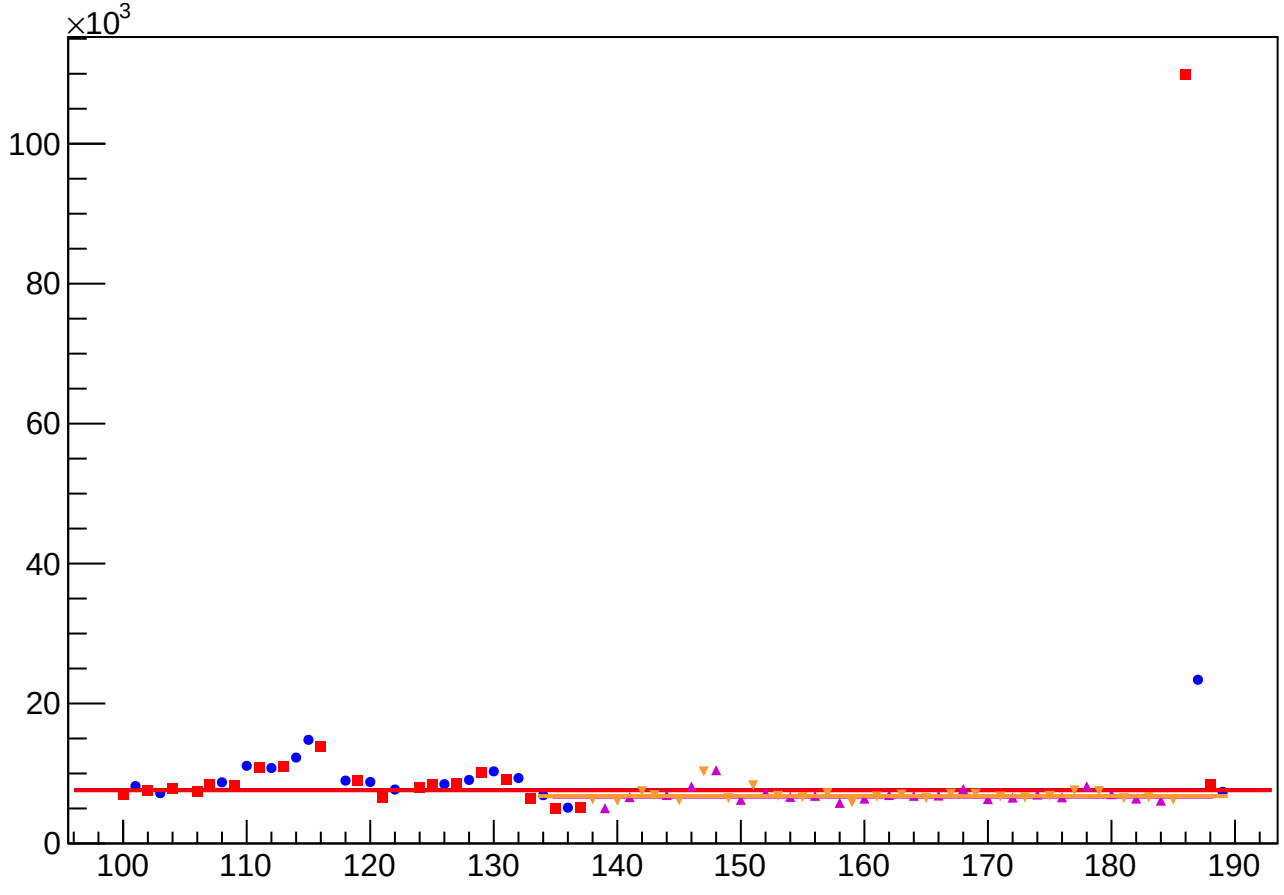
Left In: 0.456+/-1.581 χ^2/NDF:32.8/22

+ sign 1.679+/-1.361 χ^2/NDF: 32.3/42

All: 1.511+/-0.964 χ^2/NDF: 89.0/86

- sign 1.340+/-1.366 χ^2/NDF: 56.7/43

diff_bpm4aY_rms vs Slug



Right In: 7632.503+/-1.997 χ^2/NDF: 1054264.5/17

Left Out: 6776.739+/-1.099 χ^2/NDF:400166.7/24

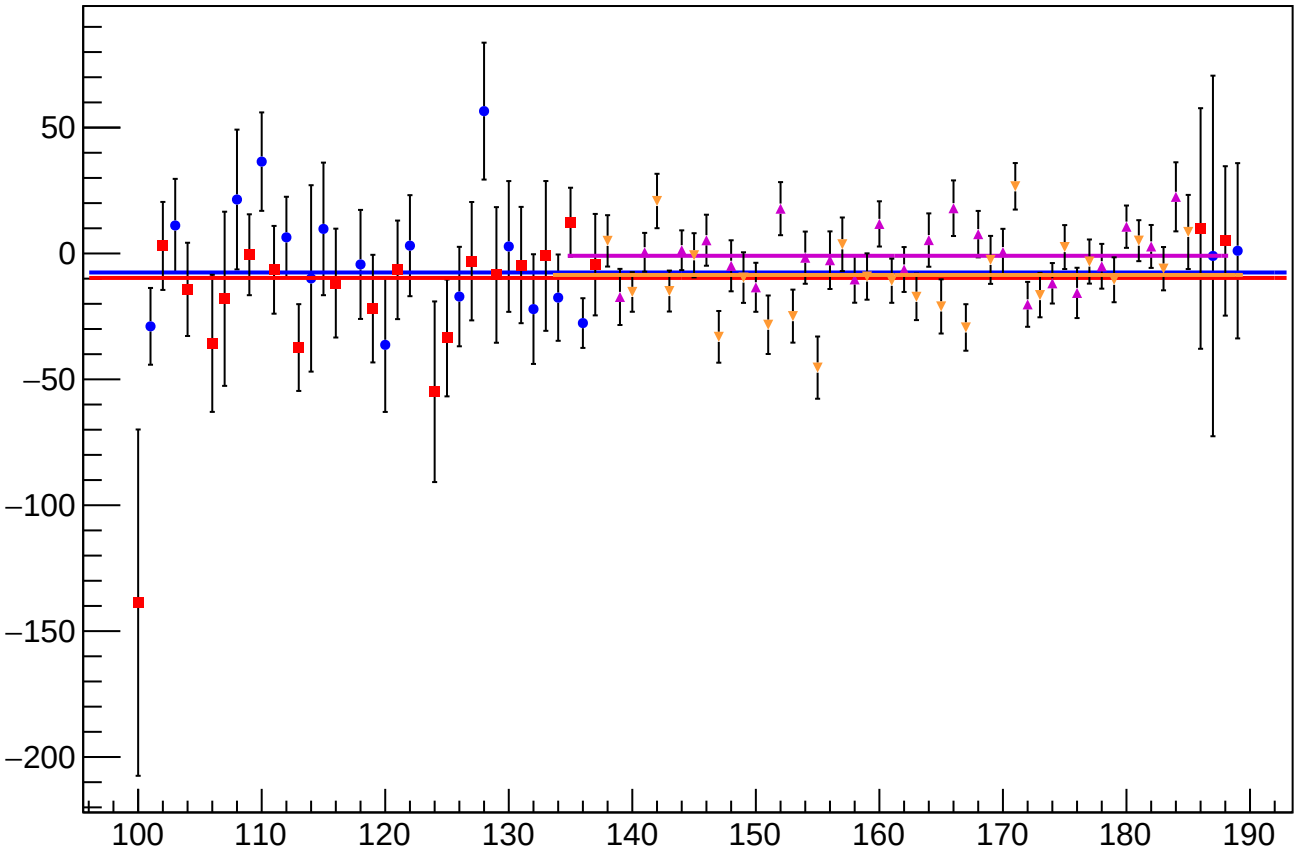
Right Out: 7608.515+/-1.920 χ^2/NDF: 1534321.3/20

Left In: 6689.550+/-1.118 χ^2/NDF:620276.8/22

+ sign 6975.552+/-0.963 χ^2/NDF: 1595380.9/42

All: 6949.074+/-0.682 χ^2/NDF: 3922614.1/86

- sign 6922.396+/-0.966 χ^2/NDF: 2325714.4/43



Right In: -7.552+/-4.694 χ^2/NDF: 22.8/17

Left Out: -8.536+/-1.897 χ^2/NDF:61.9/24

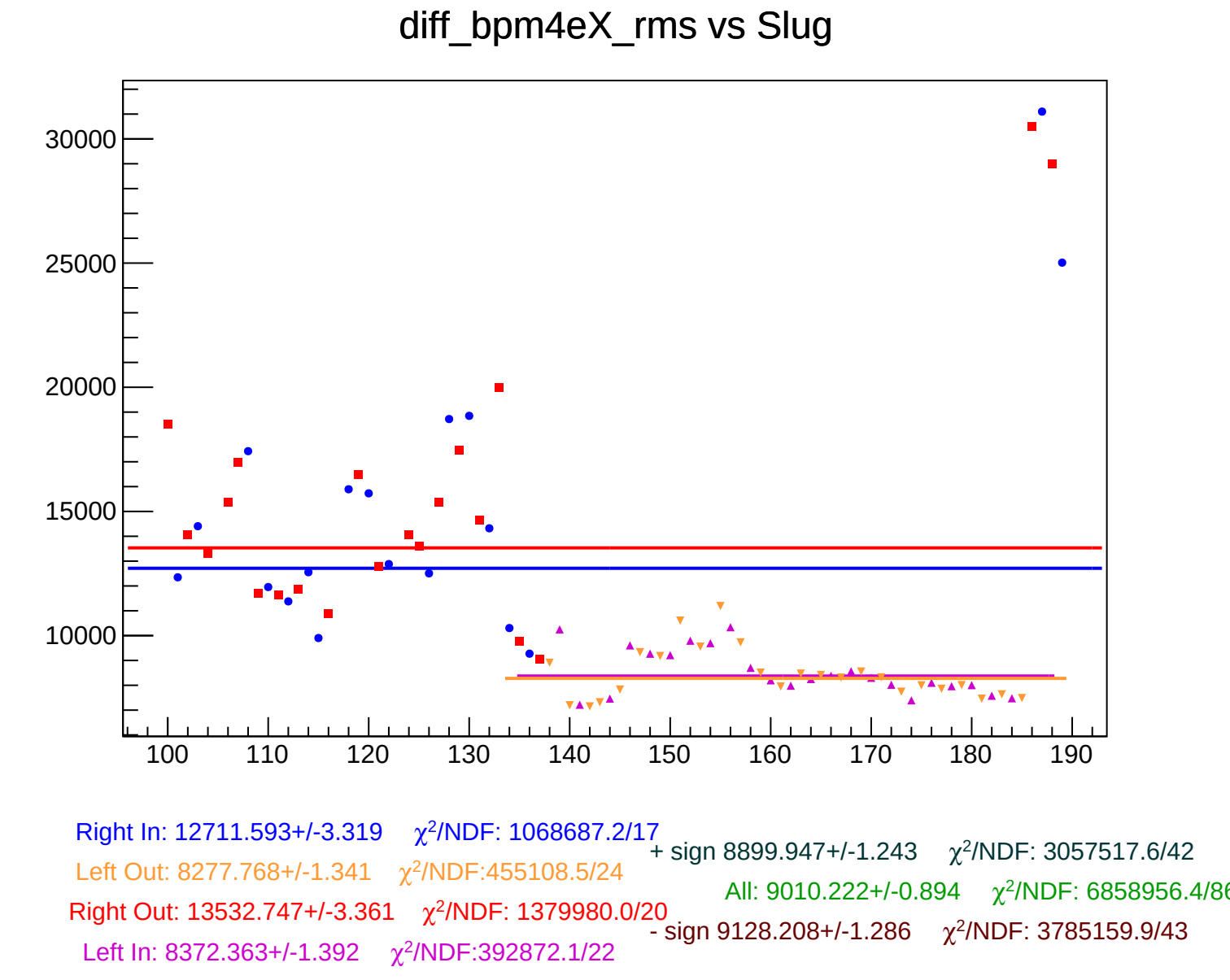
Right Out: -9.715+/-4.753 χ^2/NDF: 14.3/20

Left In: -0.919+/-1.969 χ^2/NDF:29.1/22

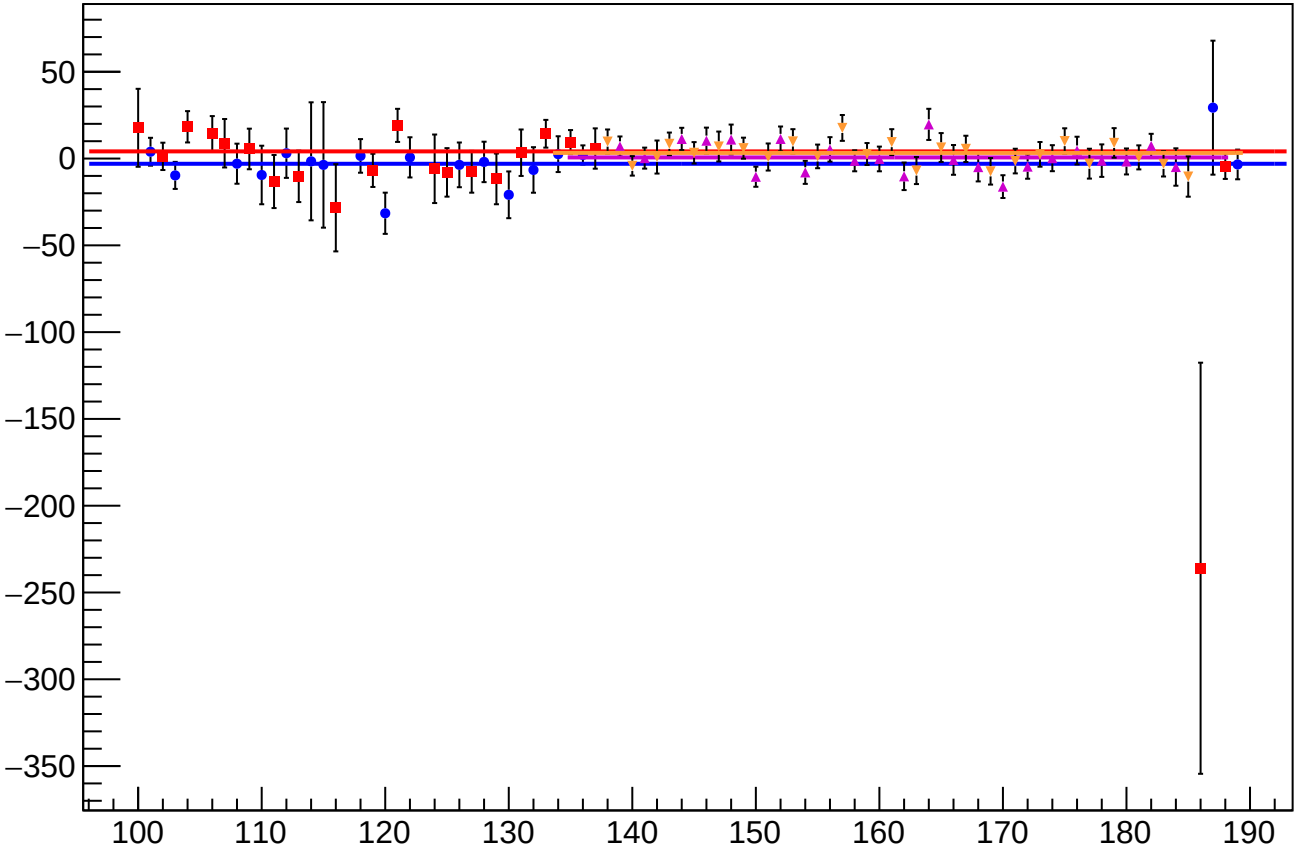
+ sign -8.398+/-1.759 χ^2/NDF: 84.7/42

All: -5.408+/-1.264 χ^2/NDF: 137.0/86

- sign -2.208+/-1.819 χ^2/NDF: 46.3/43


diff_bpm4eX_rms vs Slug
30000
25000
20000
15000
10000
100
110
120
130
140
150
160
170
180
190
Right In: 12711.593+/-3.319 χ²/NDF: 1068687.2/17
Left Out: 8277.768+/-1.341 χ²/NDF:455108.5/24
Right Out: 13532.747+/-3.361 χ²/NDF: 1379980.0/20
Left In: 8372.363+/-1.392 χ²/NDF:392872.1/22
+ sign 8899.947+/-1.243 χ²/NDF: 3057517.6/42
All: 9010.222+/-0.894 χ²/NDF: 6858956.4/86
- sign 9128.208+/-1.286 χ²/NDF: 3785159.9/43

diff_bpm4eY_mean vs Slug



Right In: -3.008+/-2.531 χ^2/NDF: 11.6/17

Left Out: 3.255+/-1.457 χ^2/NDF:17.6/24

Right Out: 4.134+/-2.412 χ^2/NDF: 22.5/20

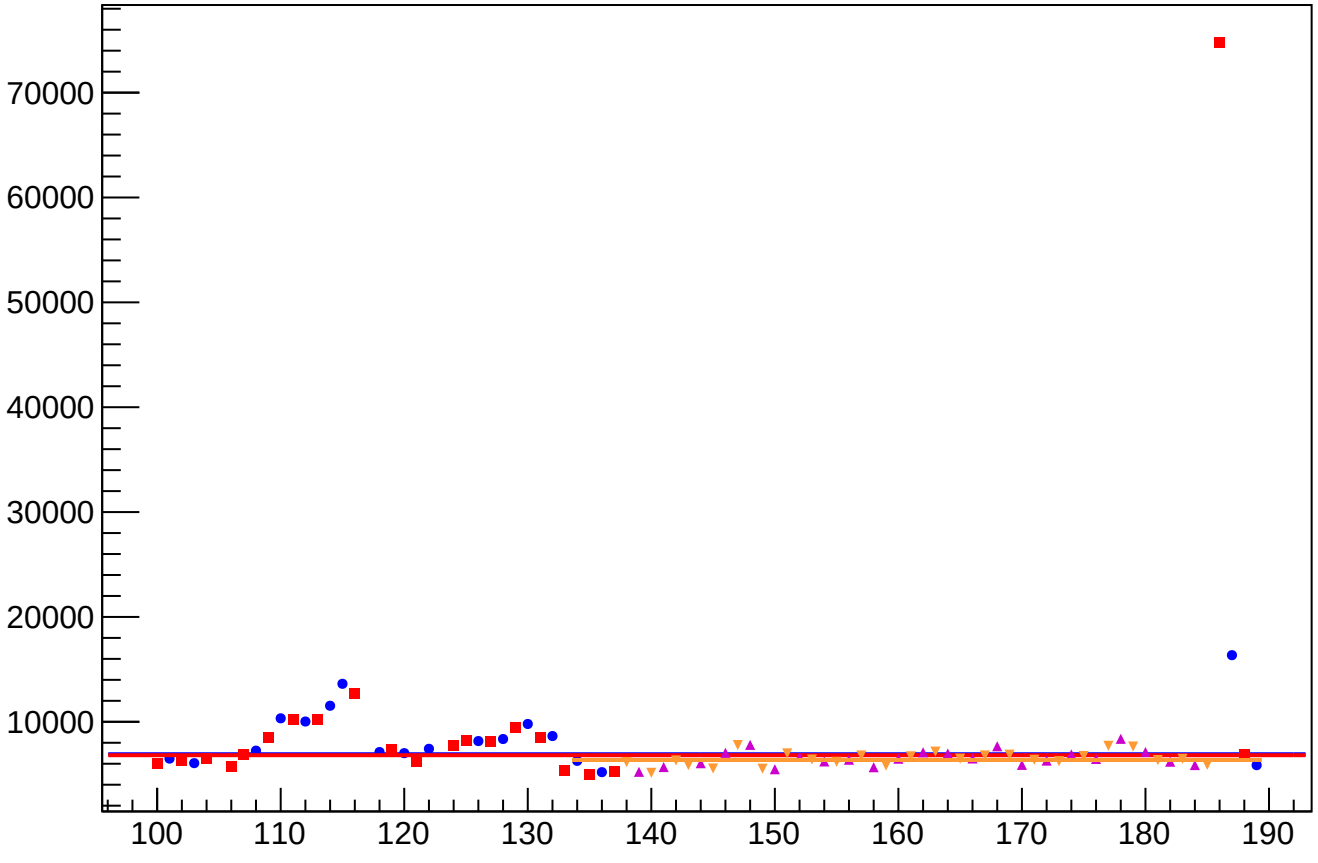
Left In: 0.645+/-1.499 χ^2/NDF:30.8/22

+ sign 1.696+/-1.263 χ^2/NDF: 33.8/42

All: 1.657+/-0.897 χ^2/NDF: 88.6/86

- sign 1.618+/-1.273 χ^2/NDF: 54.8/43

diff_bpm4eY_rms vs Slug



Right In: 6905.800+/-1.789 χ^2/NDF: 846869.1/17

Left Out: 6357.608+/-1.030 χ^2/NDF:414119.5/24

Right Out: 6814.175+/-1.705 χ^2/NDF: 1457887.8/20

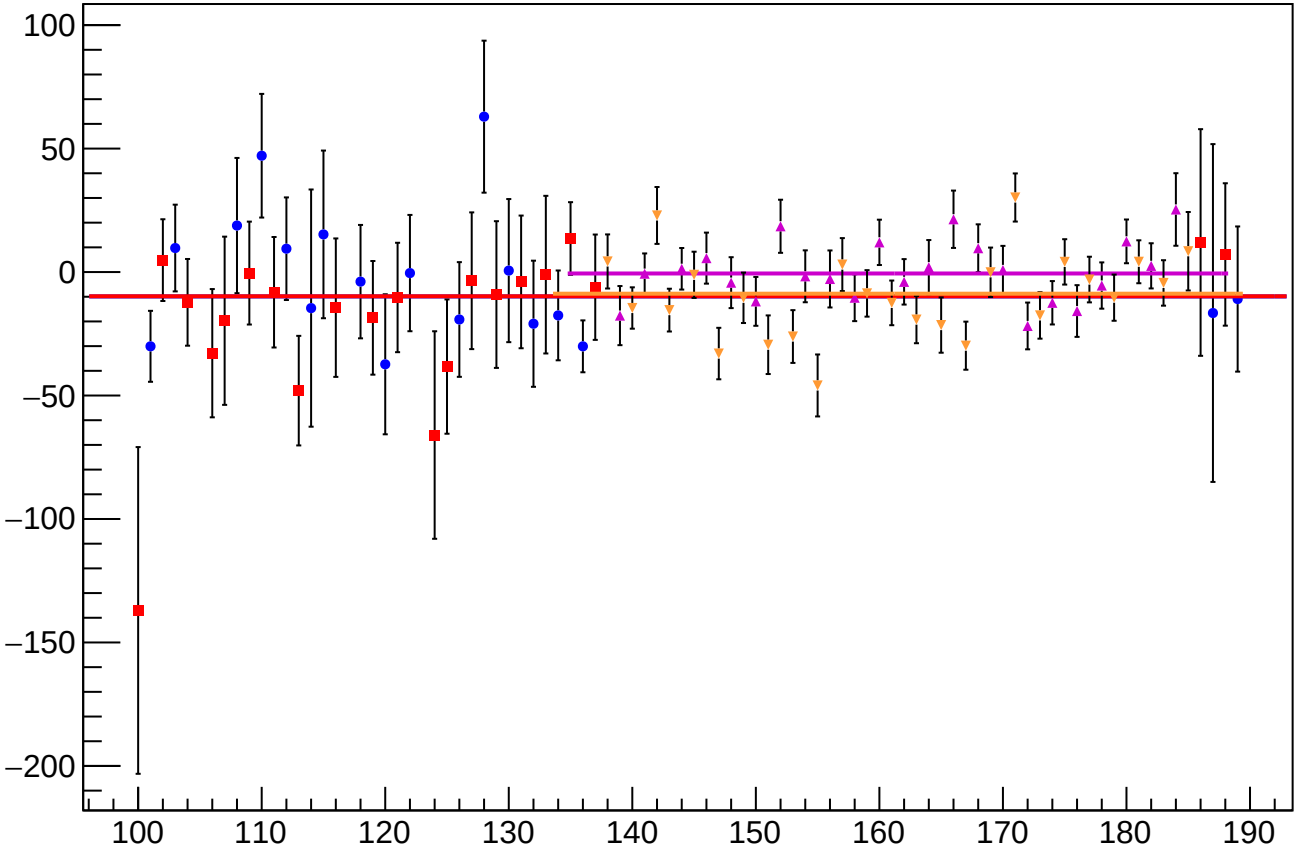
Left In: 6359.907+/-1.060 χ^2/NDF:473875.4/22

+ sign 6494.105+/-0.893 χ^2/NDF: 1331468.9/42

All: 6490.339+/-0.634 χ^2/NDF: 3314440.8/86

- sign 6486.509+/-0.900 χ^2/NDF: 1982936.1/43

diff_bpm4acX_mean vs Slug



Right In: -9.881+/-5.085 χ^2/NDF: 22.1/17

Left Out: -8.767+/-1.987 χ^2/NDF:62.7/24

Right Out: -9.814+/-5.254 χ^2/NDF: 14.9/20

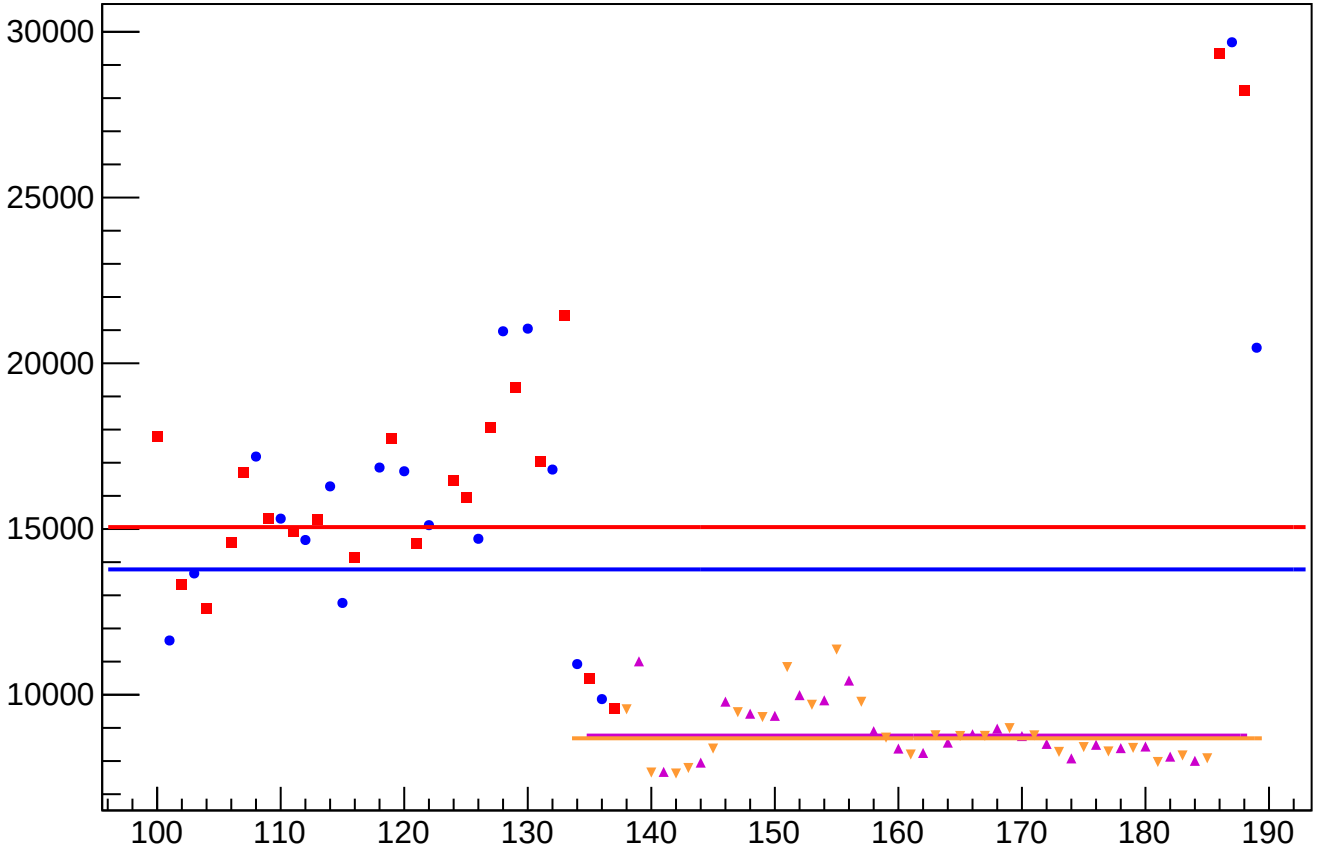
Left In: -0.579+/-2.059 χ^2/NDF:29.6/22

+ sign -8.914+/-1.851 χ^2/NDF: 84.8/42

All: -5.487+/-1.332 χ^2/NDF: 139.1/86

- sign -1.808+/-1.917 χ^2/NDF: 47.2/43

diff_bpm4acX_rms vs Slug



Right In: 13781.574+/-3.596 χ^2/NDF: 962022.9/17

Left Out: 8686.048+/-1.405 χ^2/NDF:340655.6/24

Right Out: 15058.123+/-3.715 χ^2/NDF: 1194045.6/20

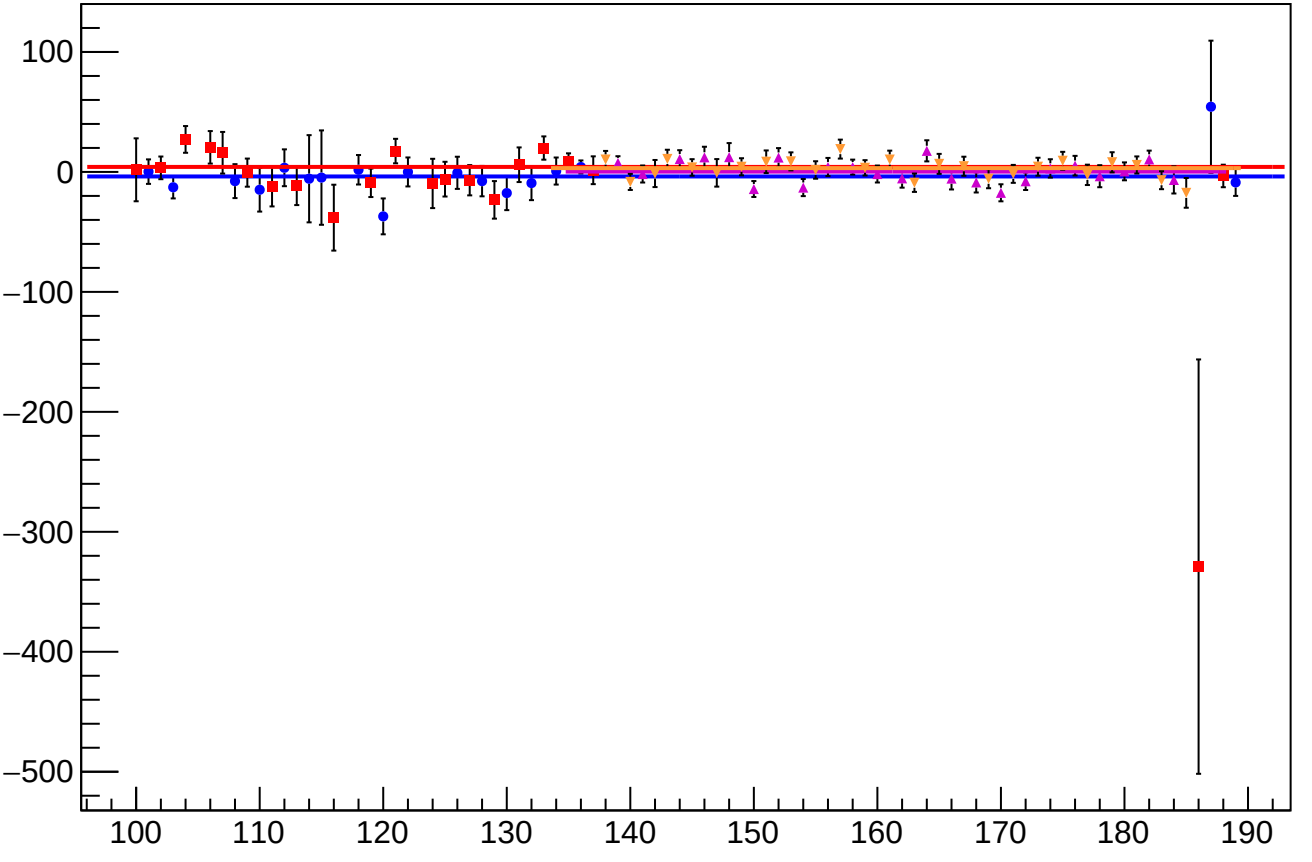
Left In: 8767.705+/-1.456 χ^2/NDF:295552.8/22

+ sign 9360.916+/-1.309 χ^2/NDF: 3044693.9/42

All: 9478.708+/-0.942 χ^2/NDF: 7035842.9/86

- sign 9605.109+/-1.356 χ^2/NDF: 3974353.3/43

diff_bpm4acY_mean vs Slug



Right In: -3.780+/-2.840 χ^2/NDF: 11.8/17

Left Out: 3.171+/-1.562 χ^2/NDF:21.7/24

Right Out: 4.176+/-2.731 χ^2/NDF: 25.8/20

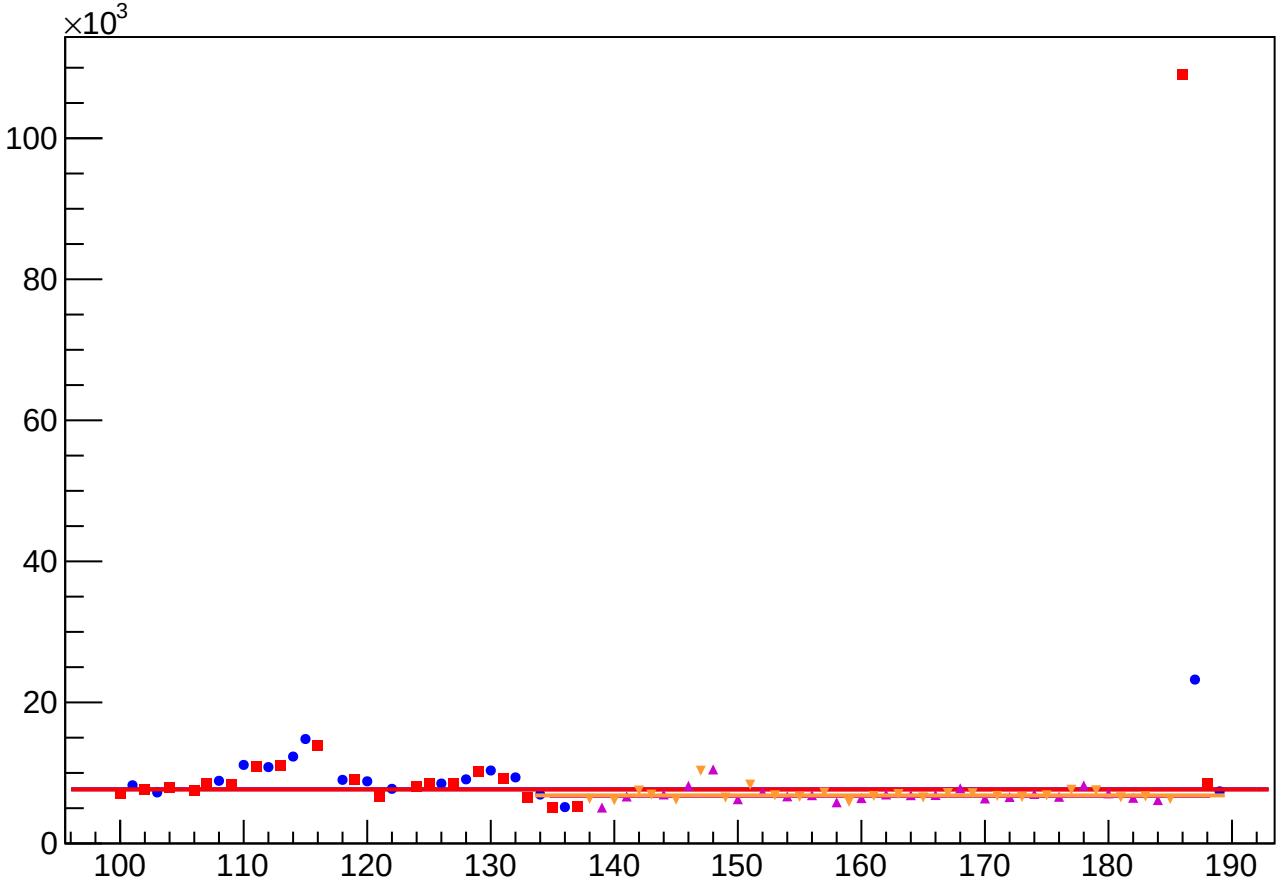
Left In: 0.269+/-1.590 χ^2/NDF:34.2/22

+ sign 1.557+/-1.369 χ^2/NDF: 38.1/42

All: 1.408+/-0.970 χ^2/NDF: 99.7/86

- sign 1.258+/-1.374 χ^2/NDF: 61.6/43

diff_bpm4acY_rms vs Slug



Right In: 7680.132+/-2.009 χ^2/NDF: 1040808.5/17

Left Out: 6812.964+/-1.104 χ^2/NDF:394620.8/24

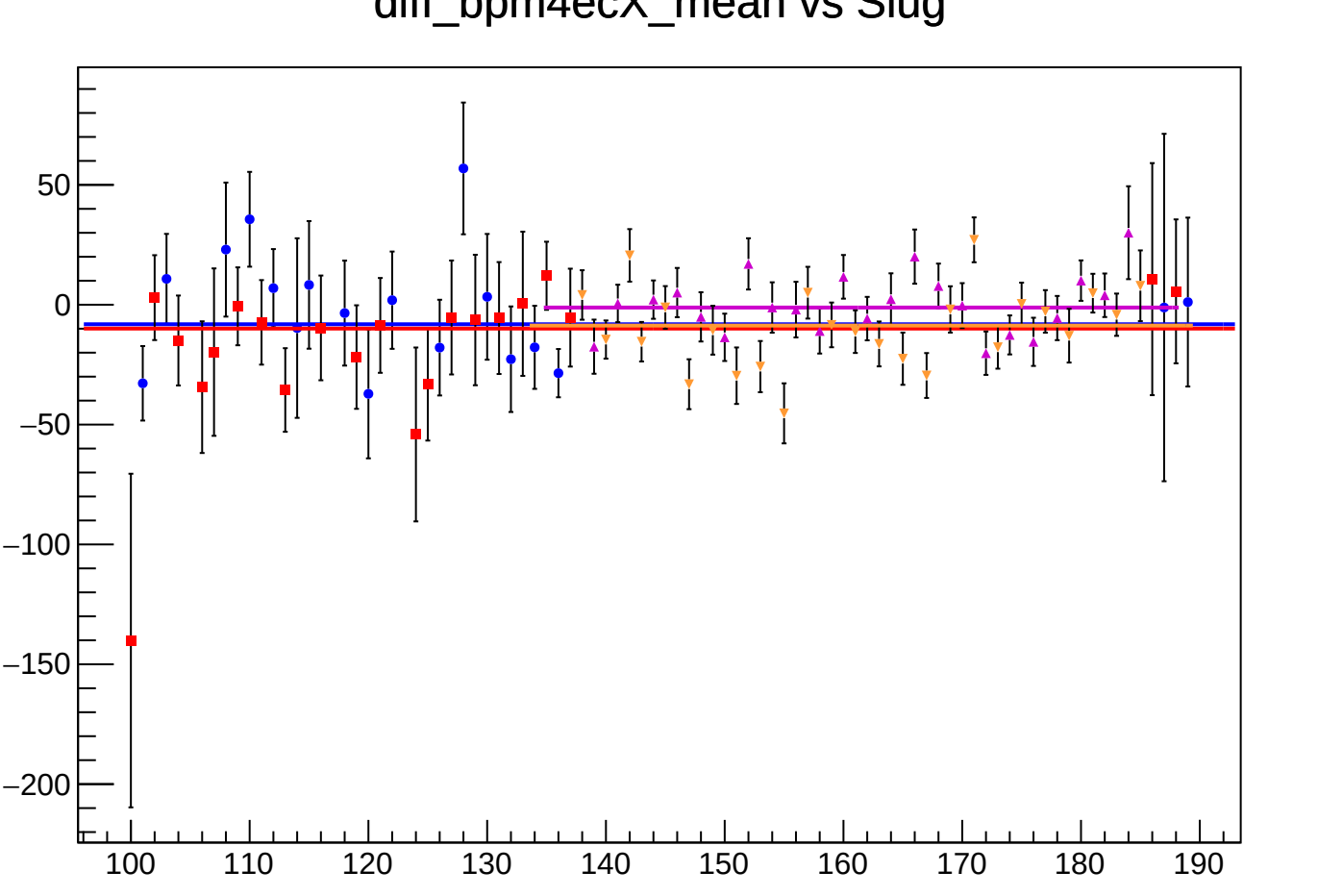
Right Out: 7661.120+/-1.931 χ^2/NDF: 1516732.7/20

Left In: 6727.864+/-1.124 χ^2/NDF:610037.3/22

+ sign 7014.276+/-0.968 χ^2/NDF: 1578560.4/42

All: 6989.292+/-0.686 χ^2/NDF: 3881043.8/86

- sign 6964.101+/-0.972 χ^2/NDF: 2301144.8/43



Right In: -8.148+/-4.759 χ^2/NDF: 23.3/17

Left Out: -8.692+/-1.936 χ^2/NDF:61.4/24

Right Out: -9.946+/-4.822 χ^2/NDF: 13.4/20

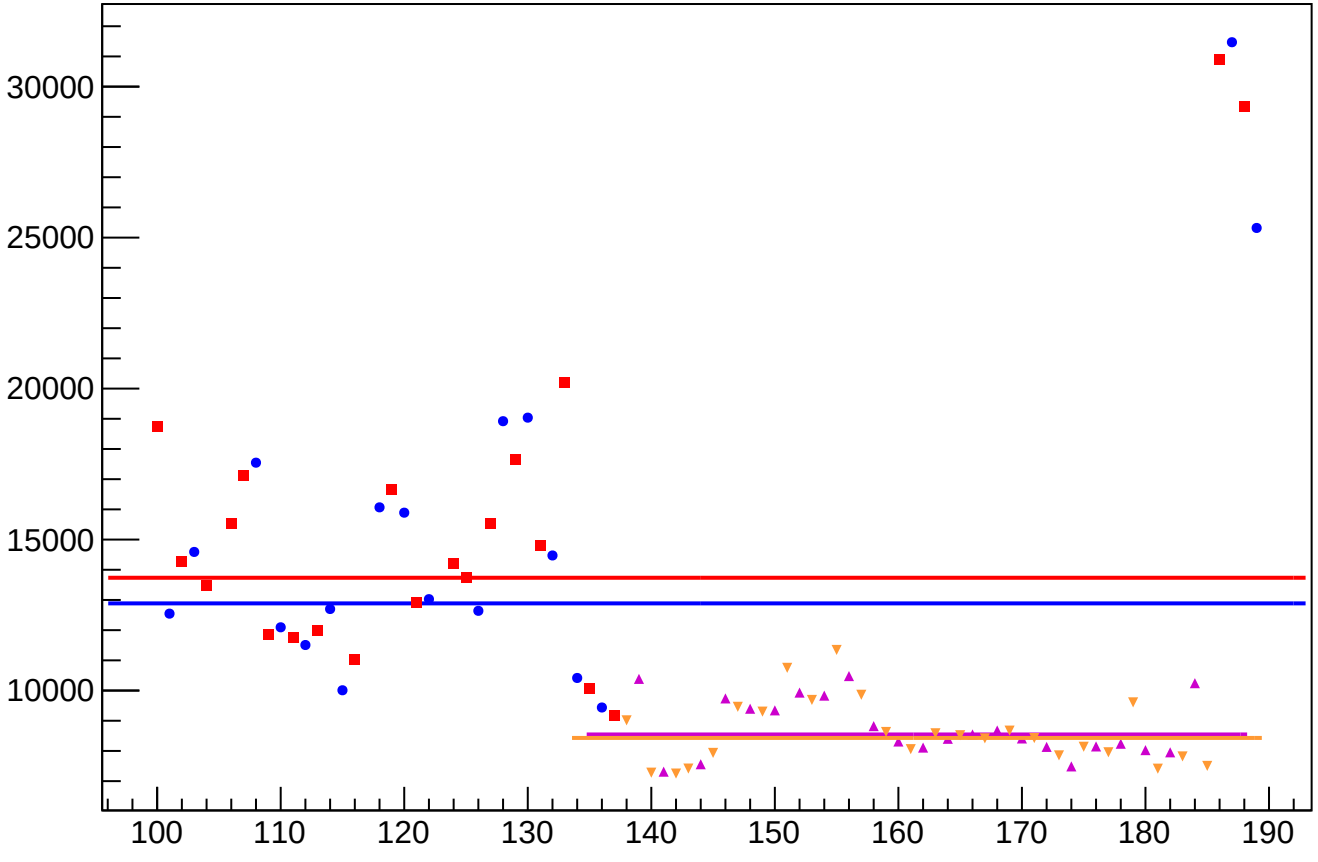
Left In: -1.174+/-2.012 χ^2/NDF:28.6/22

+ sign -8.615+/-1.793 χ^2/NDF: 84.8/42

All: -5.652+/-1.290 χ^2/NDF: 135.1/86

- sign -2.475+/-1.857 χ^2/NDF: 44.7/43

diff_bpm4ecX_rms vs Slug



Right In: 12886.742+/-3.365 χ^2/NDF: 1054208.6/17

Left Out: 8430.683+/-1.369 χ^2/NDF:484653.2/24

Right Out: 13735.392+/-3.410 χ^2/NDF: 1355842.6/20

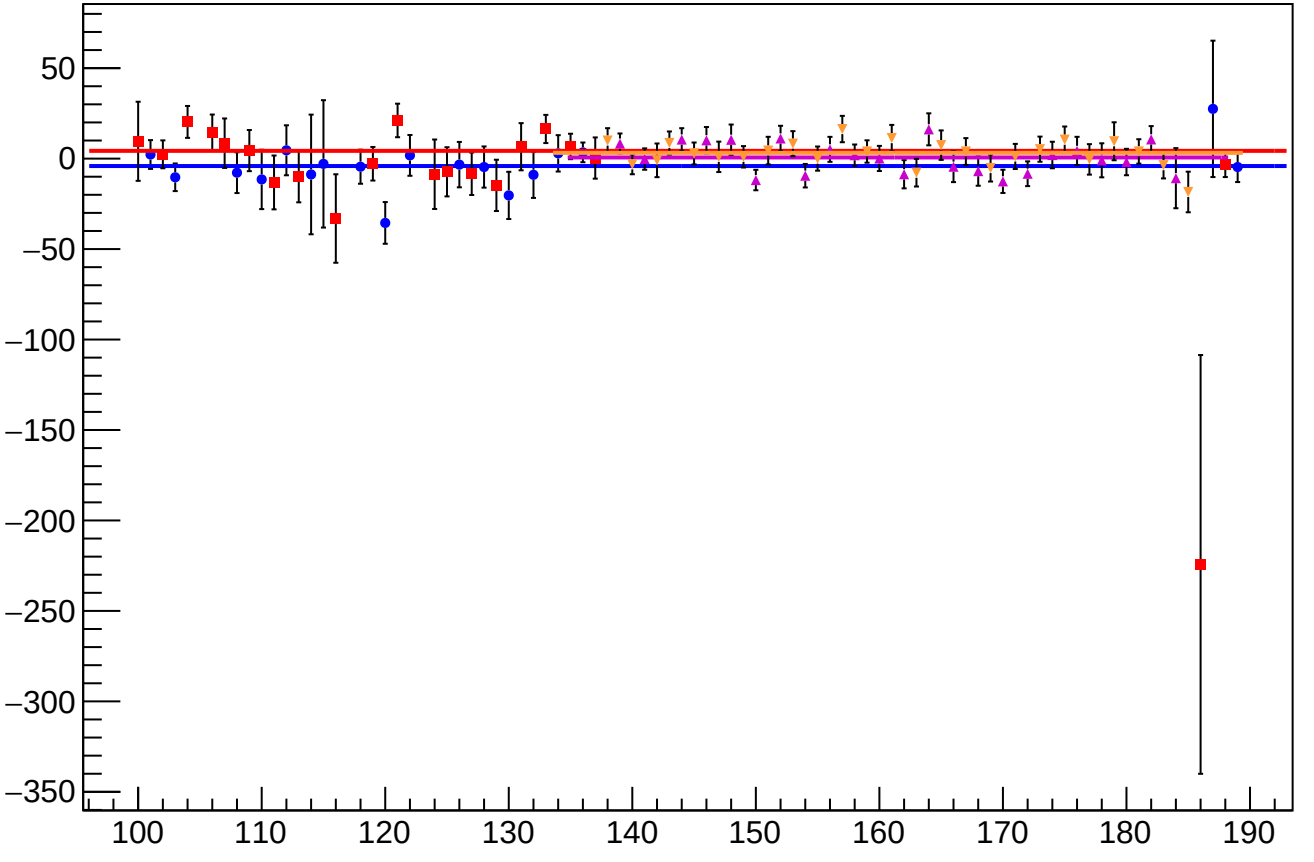
Left In: 8545.534+/-1.423 χ^2/NDF:389747.0/22

+ sign 9063.473+/-1.268 χ^2/NDF: 3043253.2/42

All: 9184.967+/-0.912 χ^2/NDF: 6780738.5/86

- sign 9315.251+/-1.313 χ^2/NDF: 3718464.1/43

diff_bpm4ecY_mean vs Slug



Right In: -4.107+/-2.476 χ^2/NDF: 14.6/17

Left Out: 3.185+/-1.435 χ^2/NDF:18.7/24

Right Out: 4.291+/-2.362 χ^2/NDF: 24.8/20

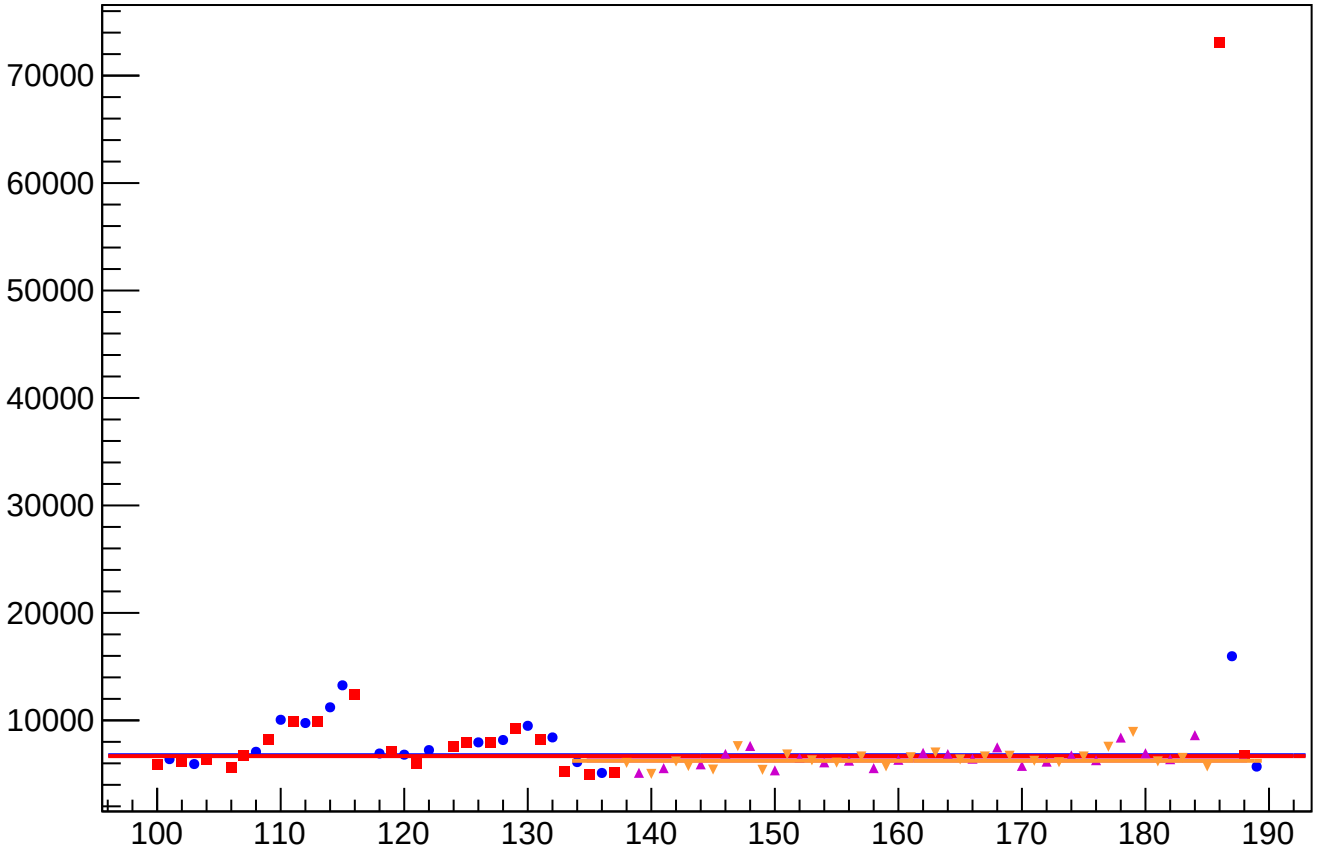
Left In: 0.633+/-1.482 χ^2/NDF:31.8/22

+ sign 1.352+/-1.241 χ^2/NDF: 39.7/42

All: 1.507+/-0.883 χ^2/NDF: 98.1/86

- sign 1.666+/-1.255 χ^2/NDF: 58.4/43

diff_bpm4ecY_rms vs Slug



Right In: 6754.677+/-1.751 χ^2/NDF: 826967.0/17

Left Out: 6237.931+/-1.015 χ^2/NDF:507726.8/24

Right Out: 6672.258+/-1.670 χ^2/NDF: 1422410.7/20

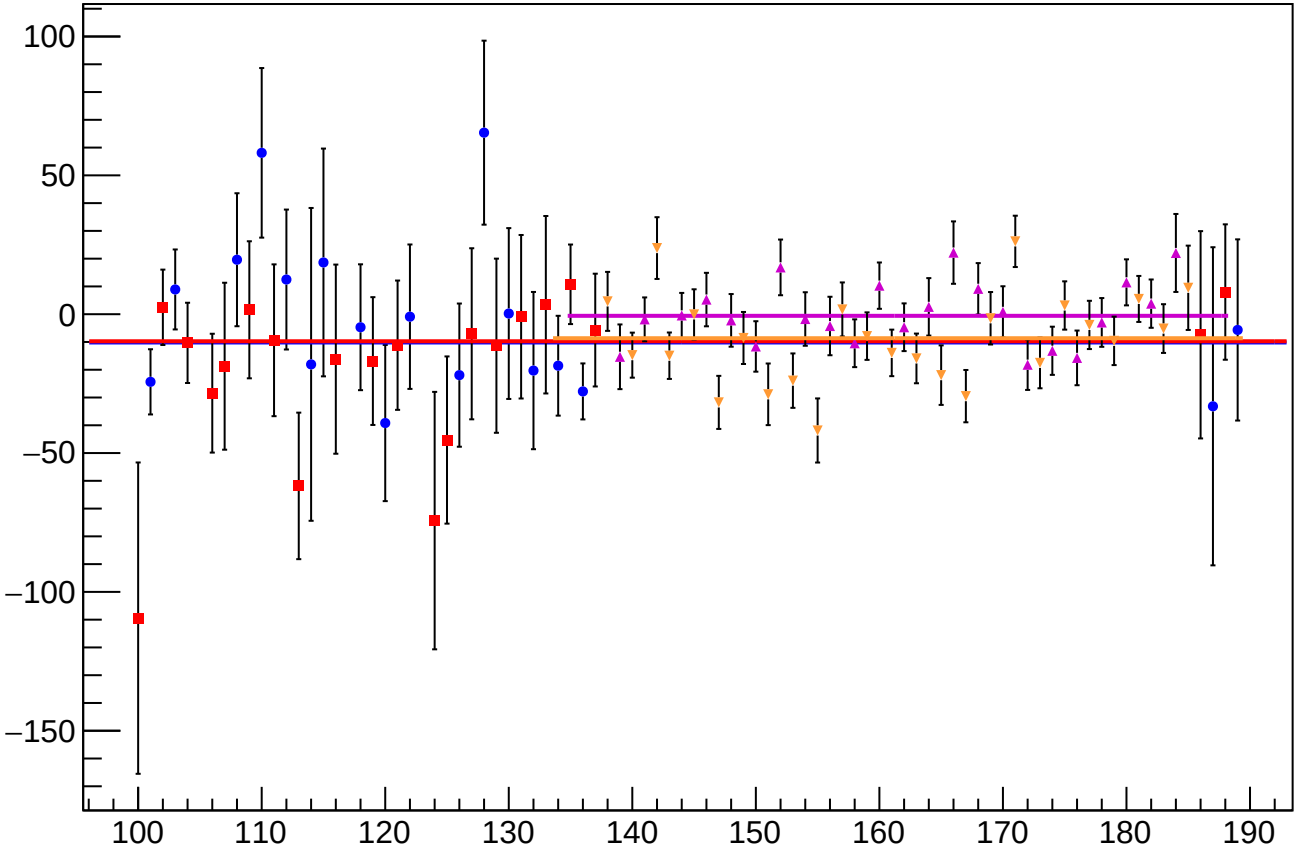
Left In: 6268.263+/-1.048 χ^2/NDF:524326.6/22

+ sign 6367.801+/-0.878 χ^2/NDF: 1399893.0/42

All: 6374.998+/-0.624 χ^2/NDF: 3388753.3/86

- sign 6382.354+/-0.888 χ^2/NDF: 1988724.3/43

diff_bpm1X_mean vs Slug



Right In: -10.182+/-4.940 χ^2/NDF: 21.4/17

Left Out: -8.650+/-1.875 χ^2/NDF:63.0/24

Right Out: -9.746+/-5.109 χ^2/NDF: 15.3/20

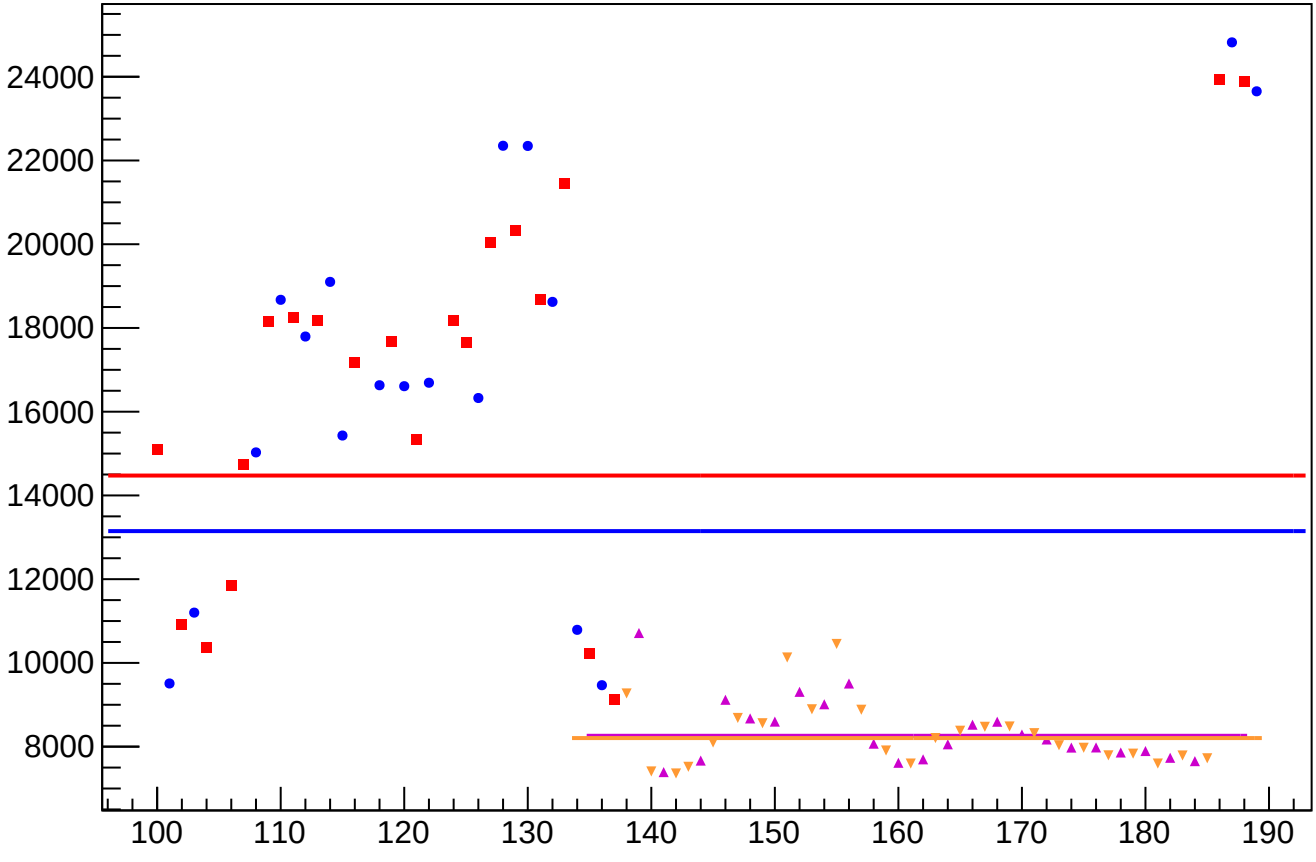
Left In: -0.583+/-1.939 χ^2/NDF:28.5/22

+ sign -8.843+/-1.753 χ^2/NDF: 84.6/42

All: -5.409+/-1.260 χ^2/NDF: 139.1/86

- sign -1.737+/-1.813 χ^2/NDF: 46.6/43

diff_bpm1X_rms vs Slug



Right In: 13147.952+/-3.493 χ^2/NDF: 1547729.6/17

Left Out: 8204.502+/-1.326 χ^2/NDF:272958.7/24

Right Out: 14474.973+/-3.612 χ^2/NDF: 1550718.8/20

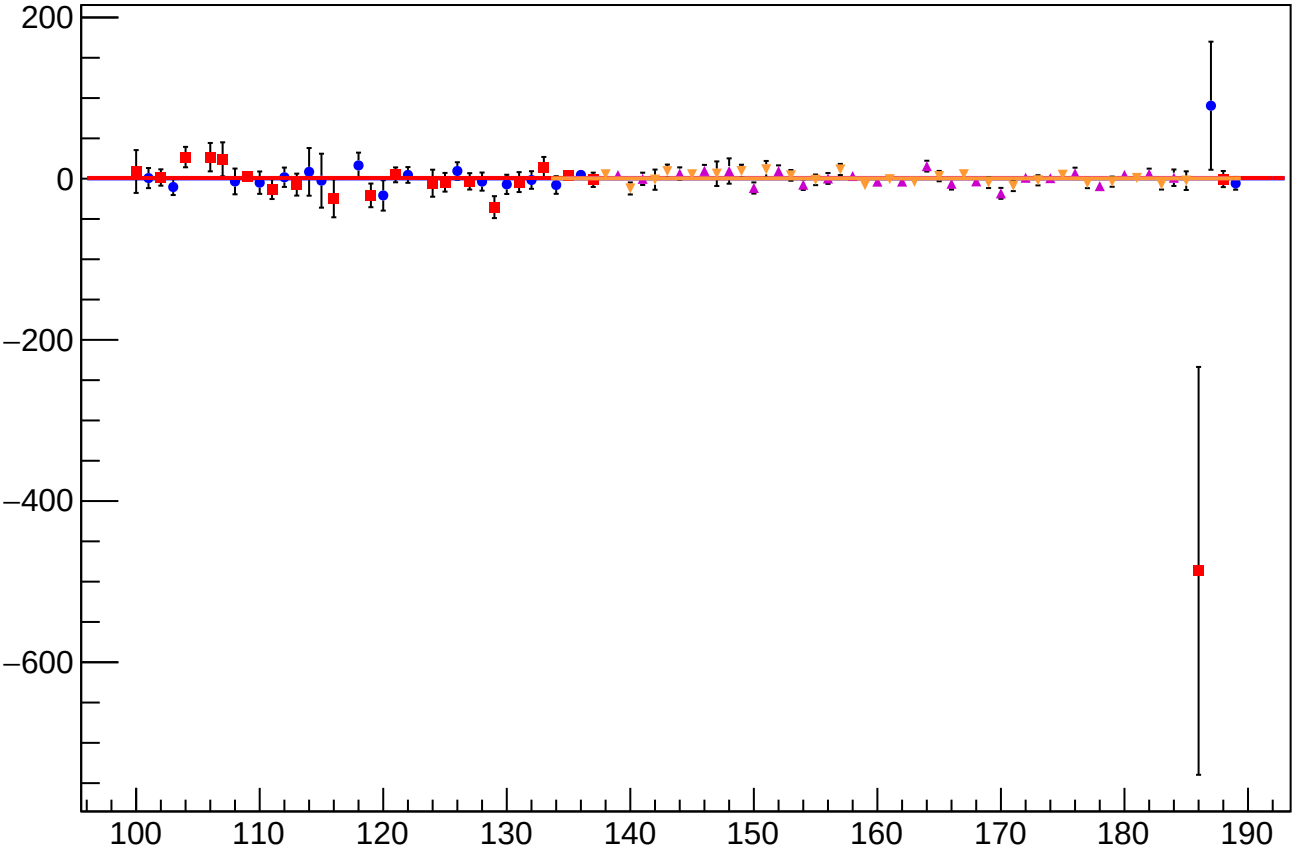
Left In: 8259.162+/-1.371 χ^2/NDF:257333.8/22

\+ sign 8826.933+/-1.240 χ^2/NDF: 3570989.6/42

All: 8930.732+/-0.891 χ^2/NDF: 7981545.7/86

\- sign 9041.710+/-1.282 χ^2/NDF: 4396047.9/43

diff_bpm1Y_mean vs Slug



Right In: 0.332+/-2.439 χ^2/NDF: 8.7/17

Left Out: 0.353+/-1.322 χ^2/NDF:21.5/24

Right Out: 0.893+/-2.254 χ^2/NDF: 26.0/20

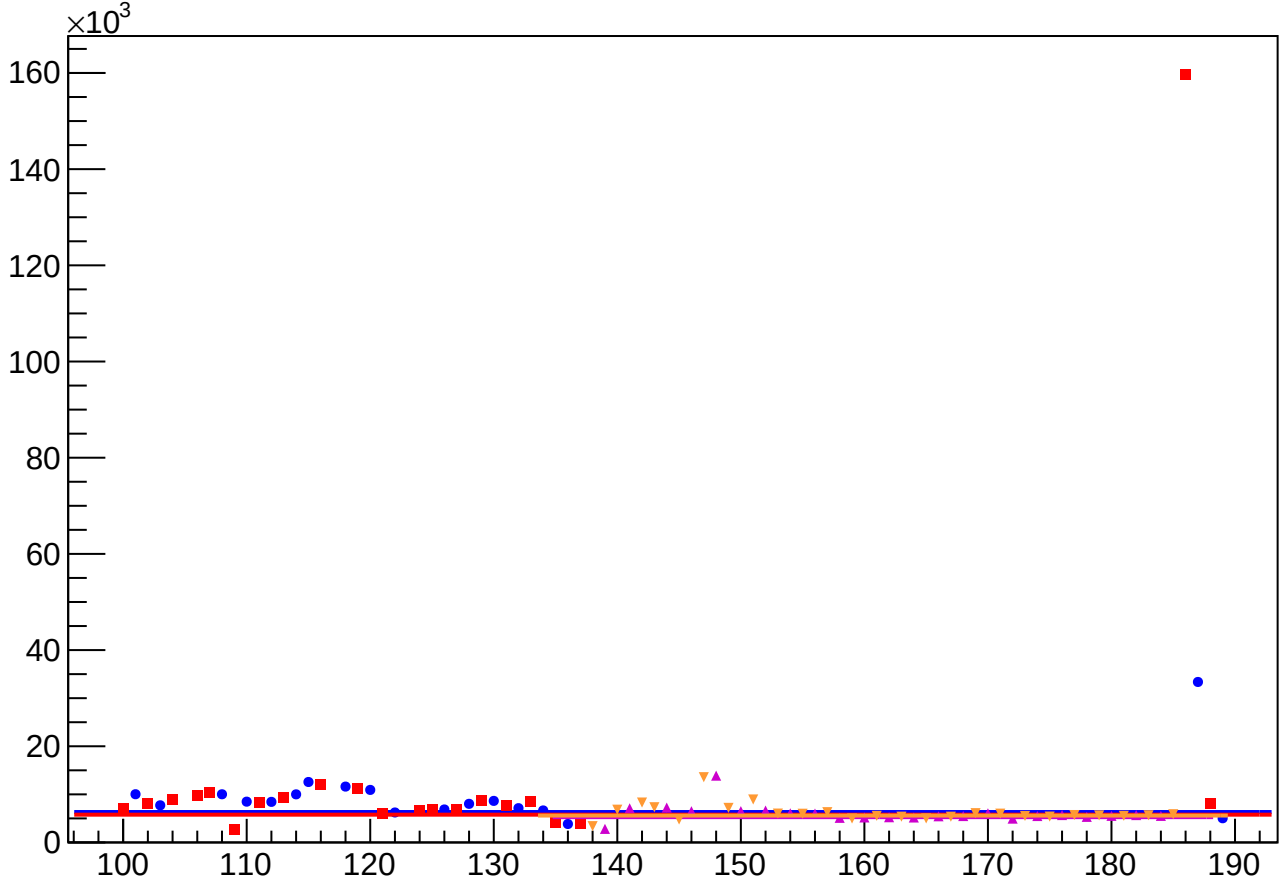
Left In: 0.709+/-1.291 χ^2/NDF:29.9/22

+ sign 0.348+/-1.162 χ^2/NDF: 30.3/42

All: 0.559+/-0.807 χ^2/NDF: 86.3/86

- sign 0.755+/-1.120 χ^2/NDF: 55.9/43

diff_bpm1Y_rms vs Slug



Right In: 6326.210+/-1.725 χ^2/NDF: 2039382.5/17

Left Out: 5594.503+/-0.935 χ^2/NDF:1784259.1/24

Right Out: 5777.809+/-1.594 χ^2/NDF: 3440884.0/20

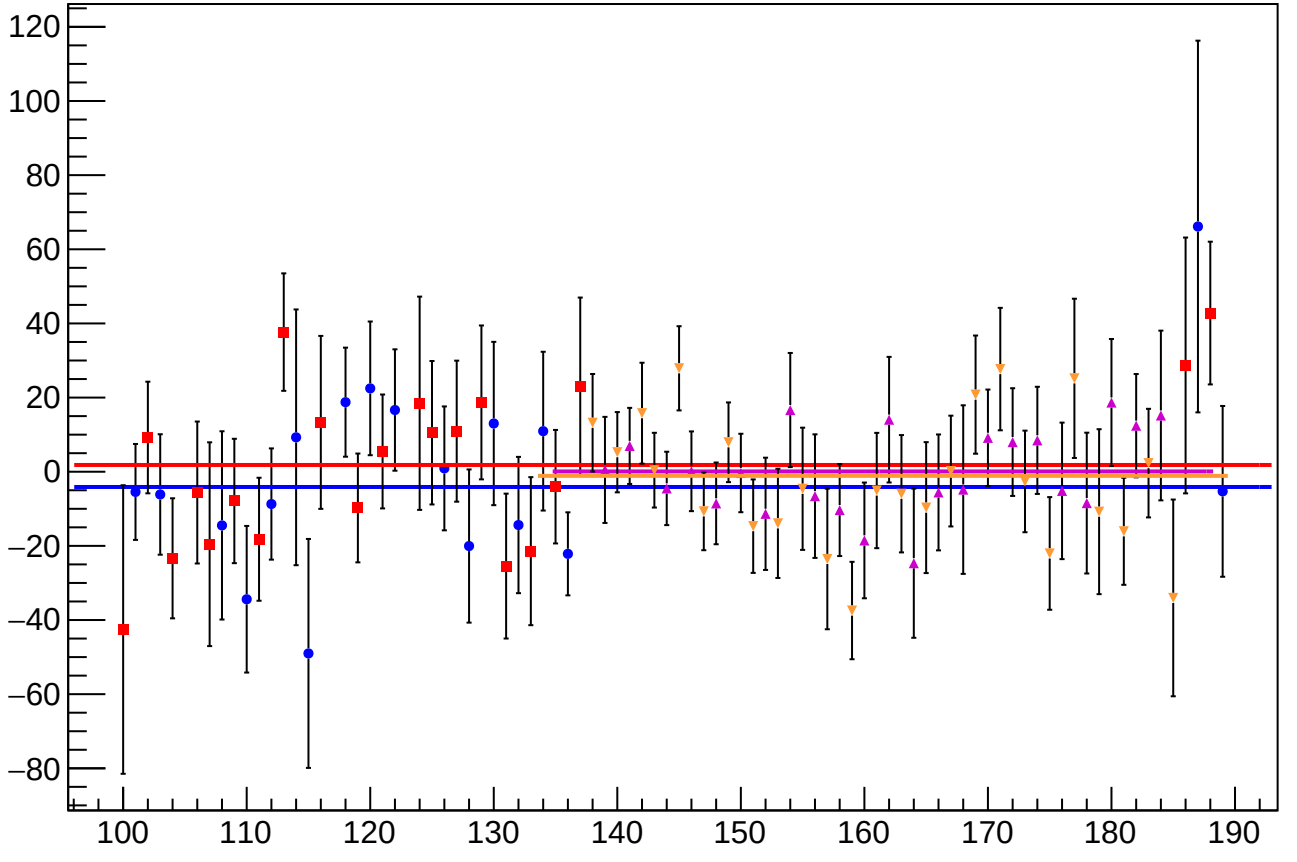
Left In: 5262.754+/-0.913 χ^2/NDF:2425604.2/22

+ sign 5760.564+/-0.822 χ^2/NDF: 3962771.2/42

All: 5568.520+/-0.570 χ^2/NDF: 10013282.2/8

- sign 5389.975+/-0.792 χ^2/NDF: 5945096.1/43

diff_bpm11X_mean vs Slug



Right In: -4.114+/-4.263 χ^2/NDF: 17.8/17

Left Out: -1.111+/-2.813 χ^2/NDF:33.8/24

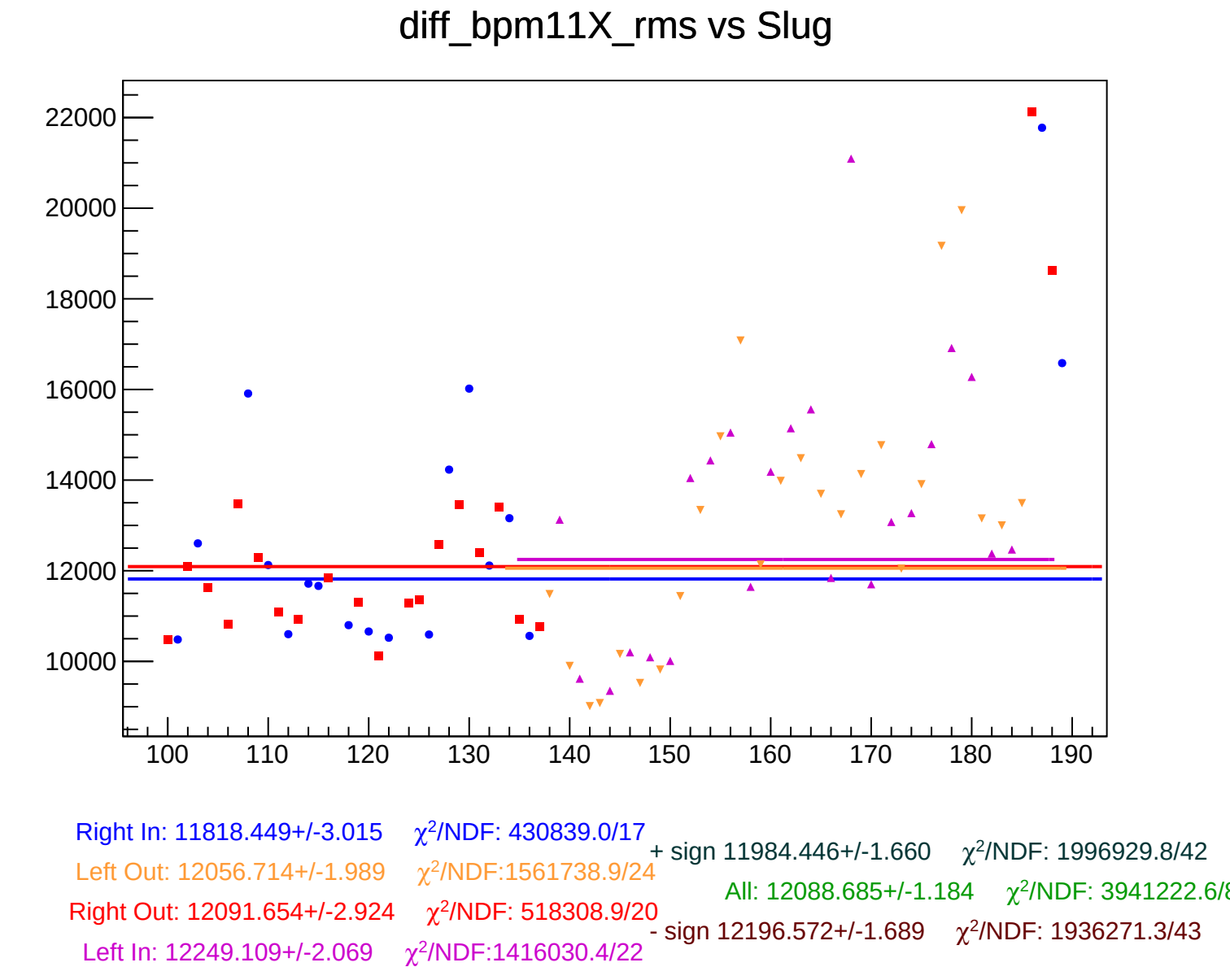
Right Out: 1.824+/-4.135 χ^2/NDF: 23.4/20

Left In: 0.084+/-2.926 χ^2/NDF:11.5/22

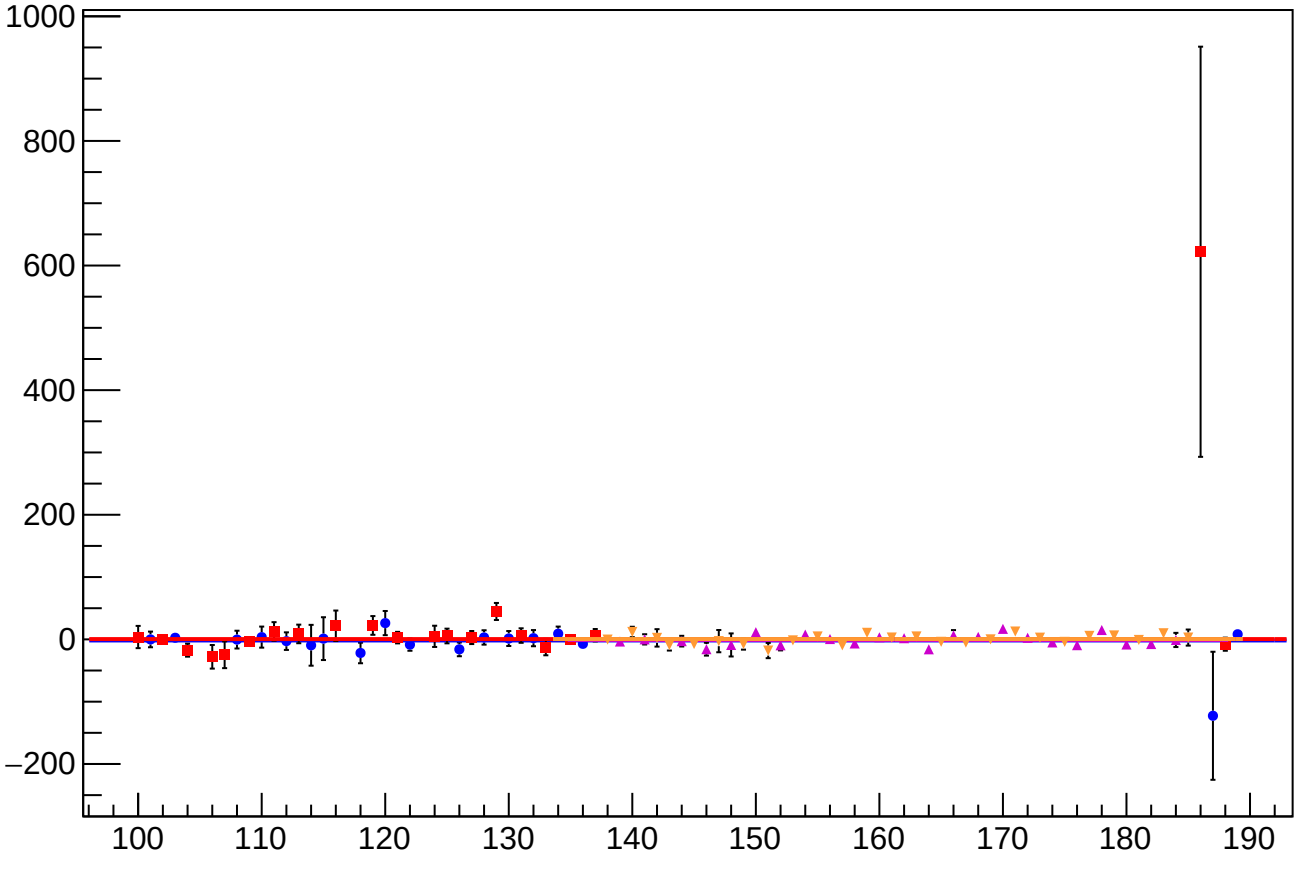
+ sign -2.022+/-2.348 χ^2/NDF: 51.9/42

All: -0.702+/-1.675 χ^2/NDF: 87.4/86

- sign 0.665+/-2.389 χ^2/NDF: 34.9/43


diff_bpm11X_rms vs Slug
22000
20000
18000
16000
14000
12000
10000
100
110
120
130
140
150
160
170
180
190
Right In: 11818.449+/-3.015 χ²/NDF: 430839.0/17
Left Out: 12056.714+/-1.989 χ²/NDF:1561738.9/24
Right Out: 12091.654+/-2.924 χ²/NDF: 518308.9/20
Left In: 12249.109+/-2.069 χ²/NDF:1416030.4/22
+ sign 11984.446+/-1.660 χ²/NDF: 1996929.8/42
All: 12088.685+/-1.184 χ²/NDF: 3941222.6/8
- sign 12196.572+/-1.689 χ²/NDF: 1936271.3/43

diff_bpm11Y_mean vs Slug



Right In: -1.728+/-2.488 χ^2/NDF: 12.2/17

Left Out: 0.526+/-1.369 χ^2/NDF:21.4/24

Right Out: 0.454+/-2.295 χ^2/NDF: 28.0/20

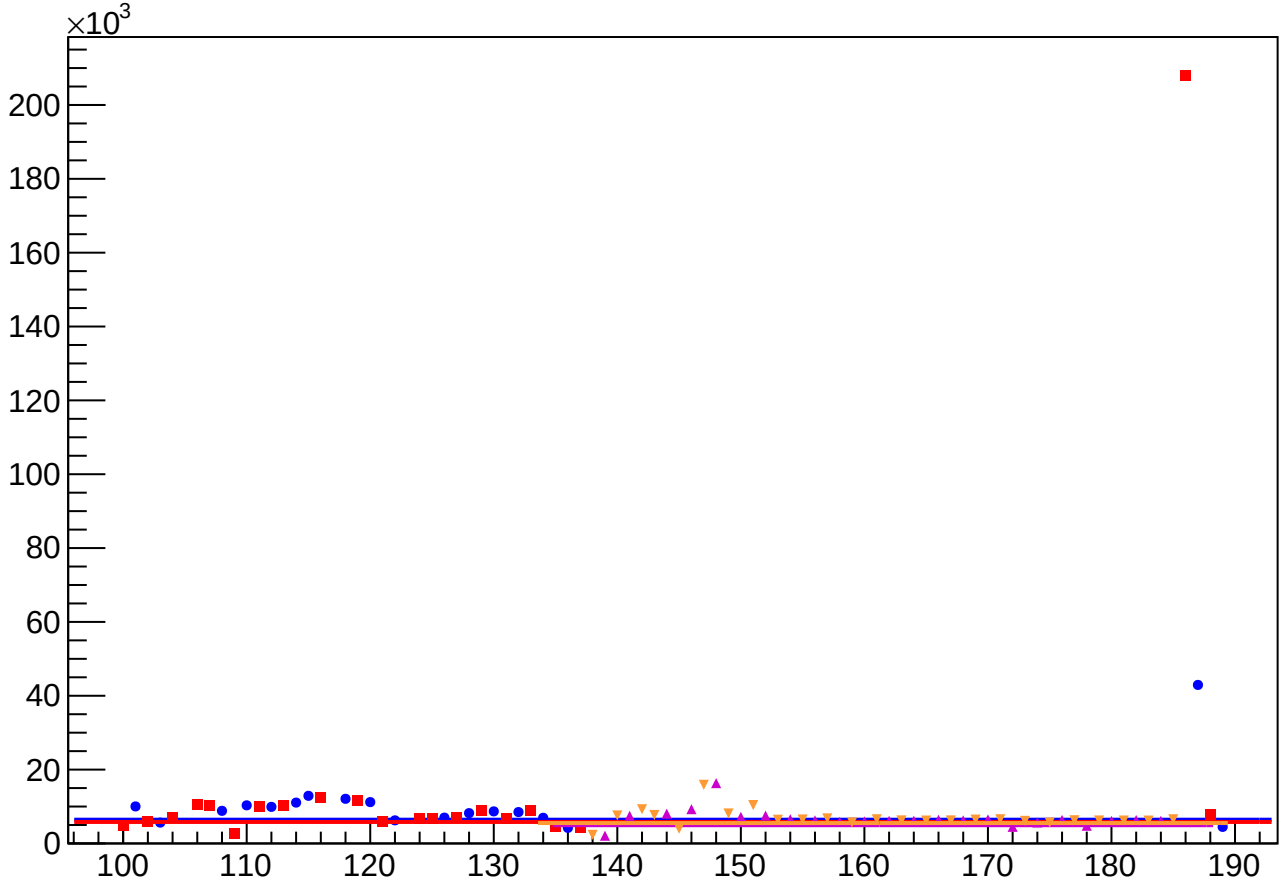
Left In: -0.946+/-1.294 χ^2/NDF:32.2/22

+ sign 0.002+/-1.199 χ^2/NDF: 34.3/42

All: -0.322+/-0.821 χ^2/NDF: 94.9/86

- sign -0.608+/-1.127 χ^2/NDF: 60.5/43

diff_bpm11Y_rms vs Slug



Right In: 6433.492+/-1.759 χ^2/NDF: 1990282.1/17

Left Out: 5527.971+/-0.968 χ^2/NDF:4375722.1/24

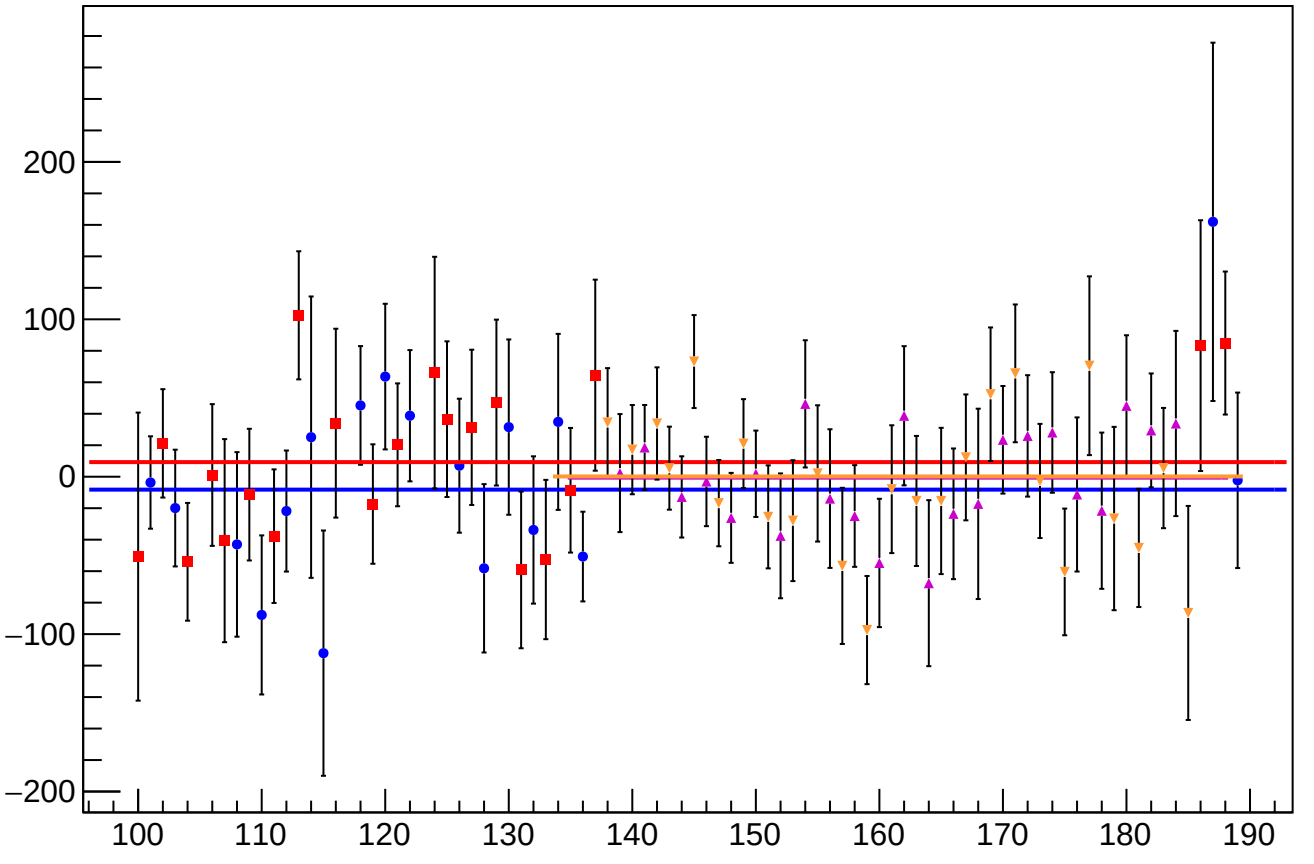
Right Out: 5823.560+/-1.623 χ^2/NDF: 3136883.3/20

Left In: 4941.993+/-0.915 χ^2/NDF:5936108.3/22

+ sign 5738.386+/-0.848 χ^2/NDF: 6569415.1/42

All: 5428.552+/-0.581 χ^2/NDF: 16117797.9/8

- sign 5154.720+/-0.797 χ^2/NDF: 9296882.2/43



Right In: -8.203+/-10.591 χ^2/NDF: 17.6/17

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: 9.279+/-10.270 χ^2/NDF: 21.2/20

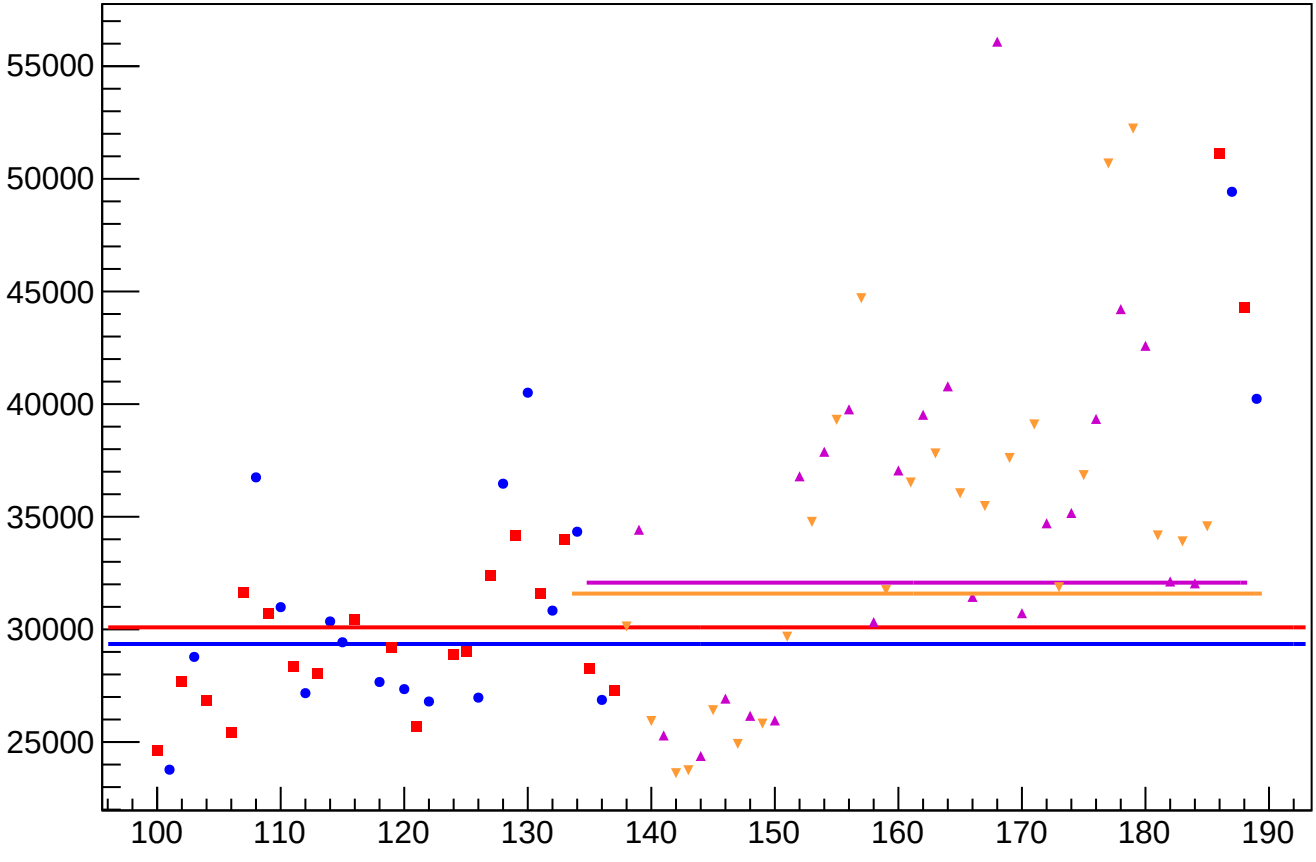
Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

+ sign -2.566+/-6.052 χ^2/NDF: 49.1/42

All: 0.148+/-4.312 χ^2/NDF: 84.1/86

- sign 2.944+/-6.144 χ^2/NDF: 34.6/43

diff_bpm12X_rms vs Slug



Right In: 29352.264+/-7.489 χ^2/NDF: 422060.2/17

Left Out: 31589.841+/-5.215 χ^2/NDF:1590867.7/24

Right Out: 30090.592+/-7.262 χ^2/NDF: 464475.8/20

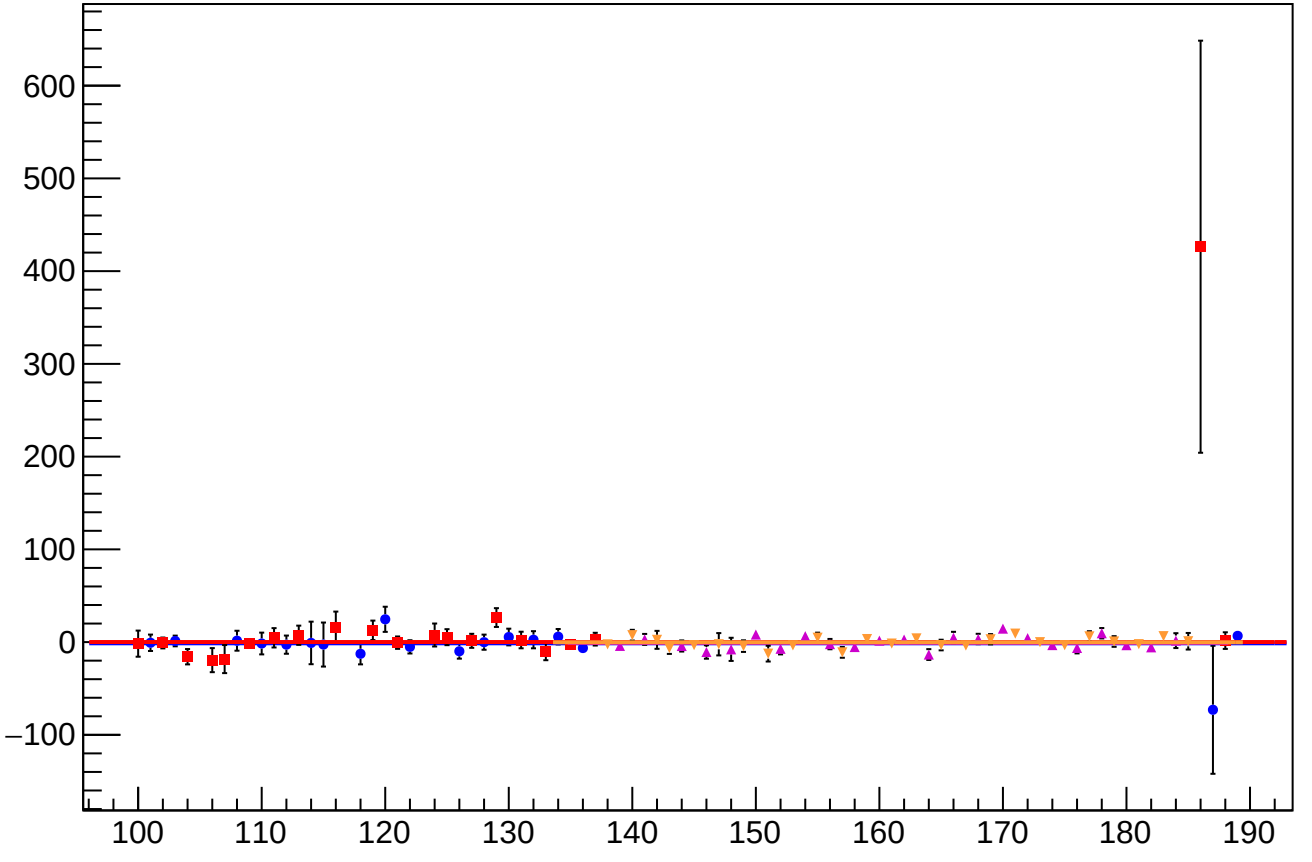
Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

+ sign 30859.182+/-4.279 χ^2/NDF: 2073048.6/42

All: 31108.228+/-3.049 χ^2/NDF: 4048069.0/8

- sign 31364.871+/-4.344 χ^2/NDF: 1968143.7/43

diff_bpm12Y_mean vs Slug



Right In: -1.282+/-1.782 χ^2/NDF: 14.2/17

Left Out: -0.226+/-1.094 χ^2/NDF:19.9/24

Right Out: 0.084+/-1.791 χ^2/NDF: 23.7/20

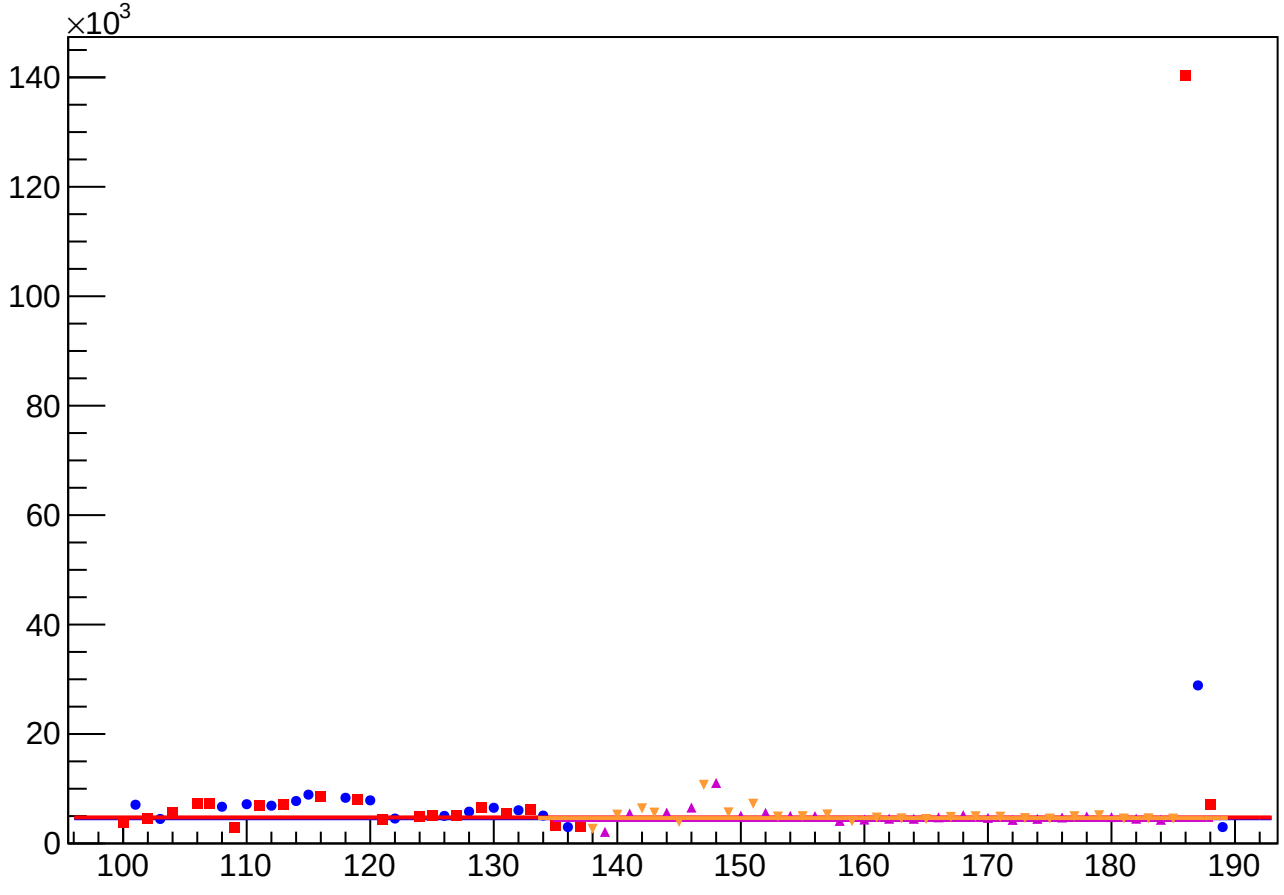
Left In: -0.788+/-1.061 χ^2/NDF:33.8/22

+ sign -0.515+/-0.932 χ^2/NDF: 34.3/42

All: -0.539+/-0.652 χ^2/NDF: 92.0/86

- sign -0.562+/-0.913 χ^2/NDF: 57.6/43

diff_bpm12Y_rms vs Slug



Right In: 4607.012+/-1.260 χ^2/NDF: 2042104.7/17

Left Out: 4637.399+/-0.774 χ^2/NDF:1763103.2/24

Right Out: 4757.478+/-1.267 χ^2/NDF: 2325949.2/20

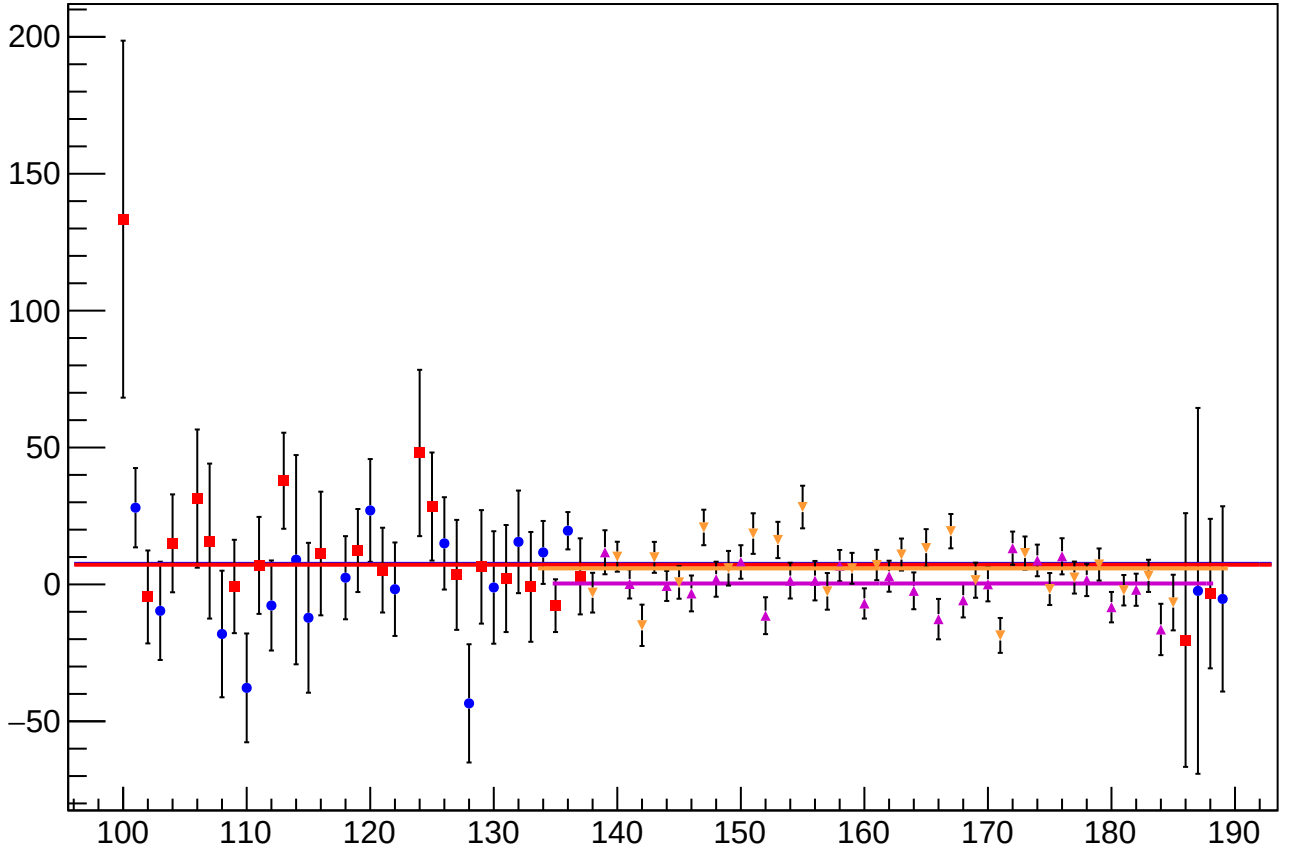
Left In: 4295.074+/-0.750 χ^2/NDF:3095610.0/22

+ sign 4629.083+/-0.659 χ^2/NDF: 3805630.3/42

All: 4519.819+/-0.461 χ^2/NDF: 9379672.0/86

- sign 4415.115+/-0.645 χ^2/NDF: 5520245.6/43

diff_bpm16X_mean vs Slug



Right In: 7.503+/-3.790 χ^2/NDF: 21.8/17

Left Out: 5.849+/-1.257 χ^2/NDF:60.0/24

Right Out: 7.197+/-4.038 χ^2/NDF: 15.1/20

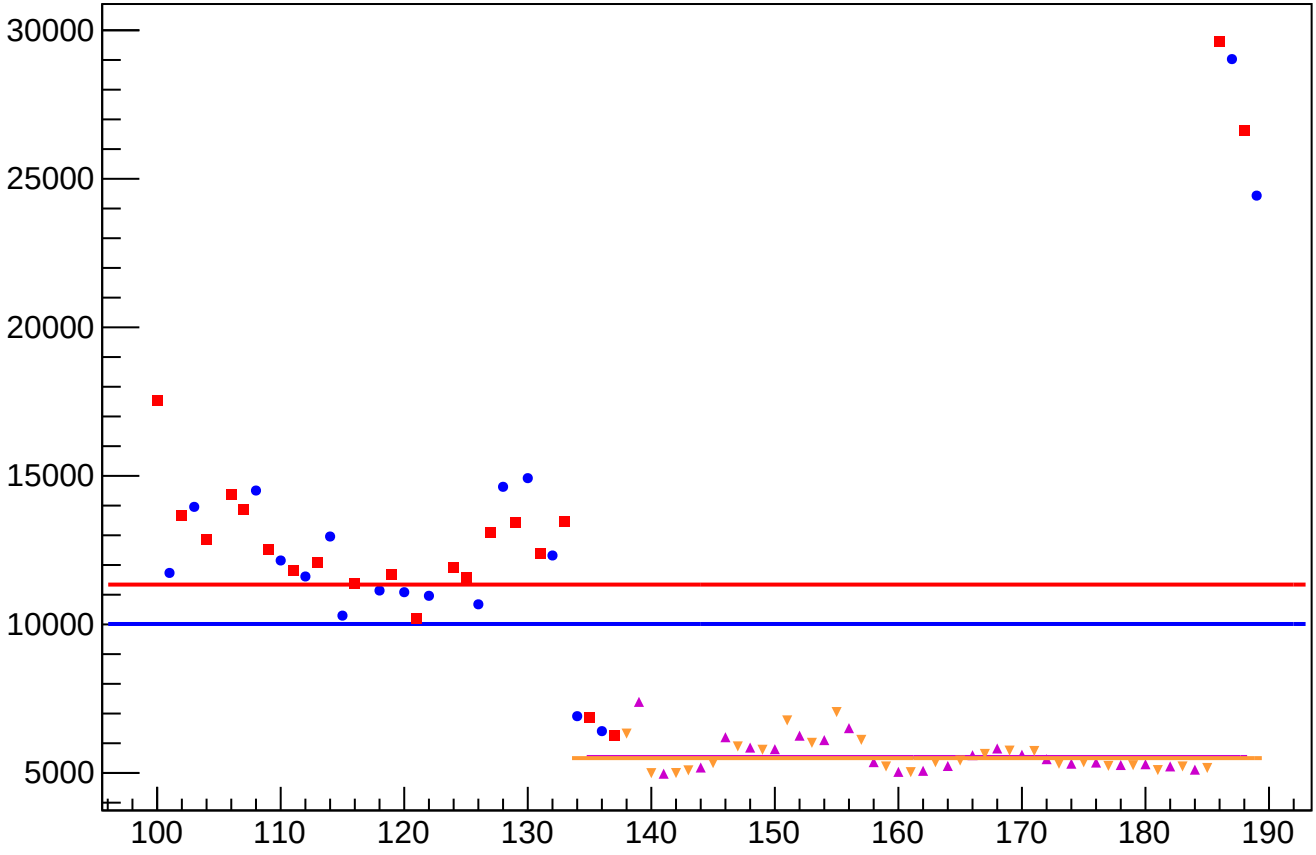
Left In: 0.337+/-1.301 χ^2/NDF:29.4/22

+ sign 6.013+/-1.193 χ^2/NDF: 82.0/42

All: 3.590+/-0.859 χ^2/NDF: 137.6/86

- sign 0.982+/-1.238 χ^2/NDF: 47.1/43

diff_bpm16X_rms vs Slug



Right In: 10014.665+/-2.680 χ^2/NDF: 1747133.9/17

Left Out: 5499.215+/-0.889 χ^2/NDF:297719.4/24

Right Out: 11340.929+/-2.856 χ^2/NDF: 1842086.8/20

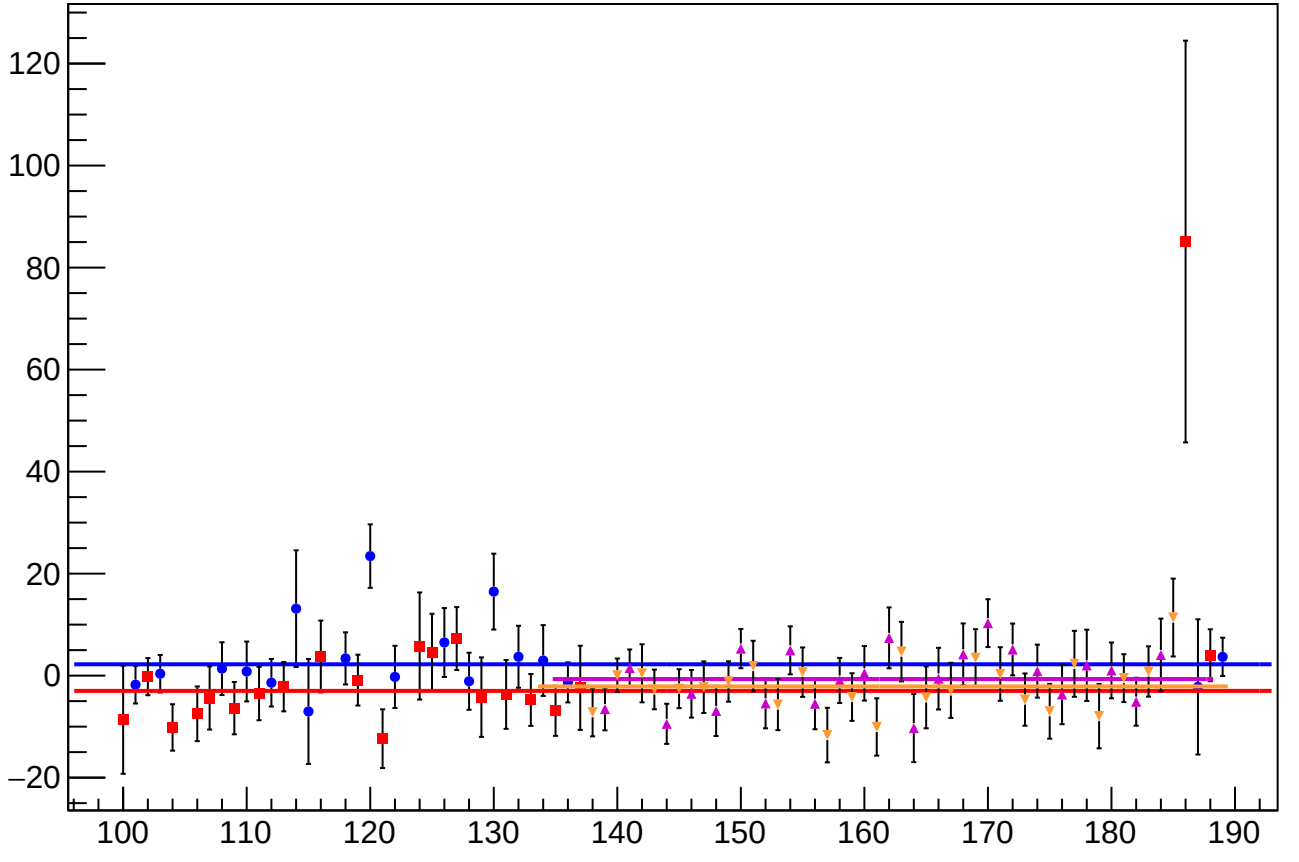
Left In: 5537.777+/-0.920 χ^2/NDF:304062.1/22

+ sign 5947.046+/-0.844 χ^2/NDF: 4602823.9/42

All: 6012.655+/-0.608 χ^2/NDF: 10503282.3/8

- sign 6083.273+/-0.875 χ^2/NDF: 5887907.7/43

diff_bpm16Y_mean vs Slug



Right In: 2.224+/-1.260 χ^2/NDF: 21.2/17

Left Out: -2.116+/-0.987 χ^2/NDF:17.5/24

Right Out: -2.991+/-1.263 χ^2/NDF: 20.5/20

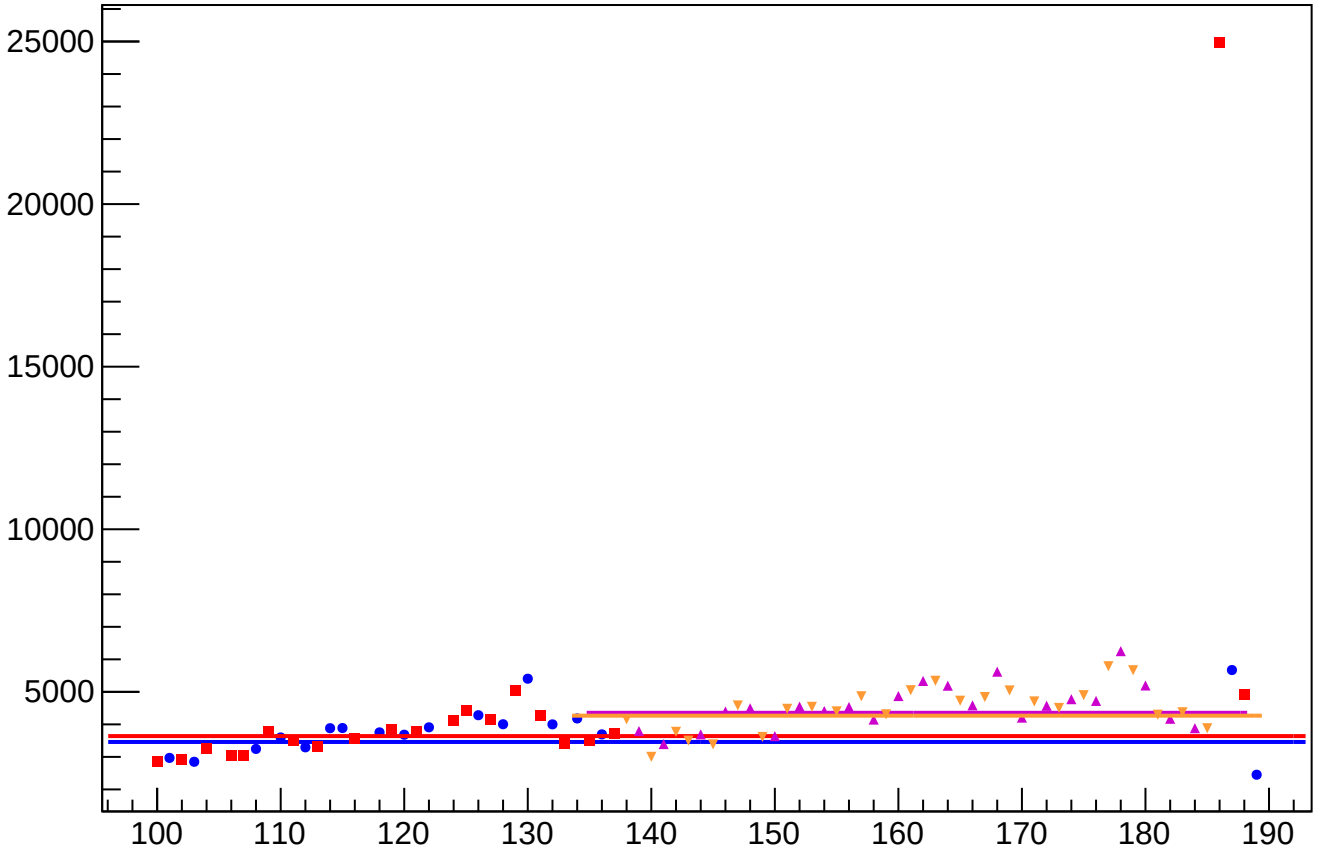
Left In: -0.670+/-1.031 χ^2/NDF:28.4/22

+ sign -0.466+/-0.777 χ^2/NDF: 46.1/42

All: -1.017+/-0.557 χ^2/NDF: 98.0/86

- sign -1.598+/-0.799 χ^2/NDF: 50.9/43

diff_bpm16Y_rms vs Slug



Right In: 3459.156+/-0.891 χ^2/NDF: 553823.9/17

Left Out: 4267.631+/-0.698 χ^2/NDF:1034722.2/24

Right Out: 3639.638+/-0.893 χ^2/NDF: 1005205.6/20

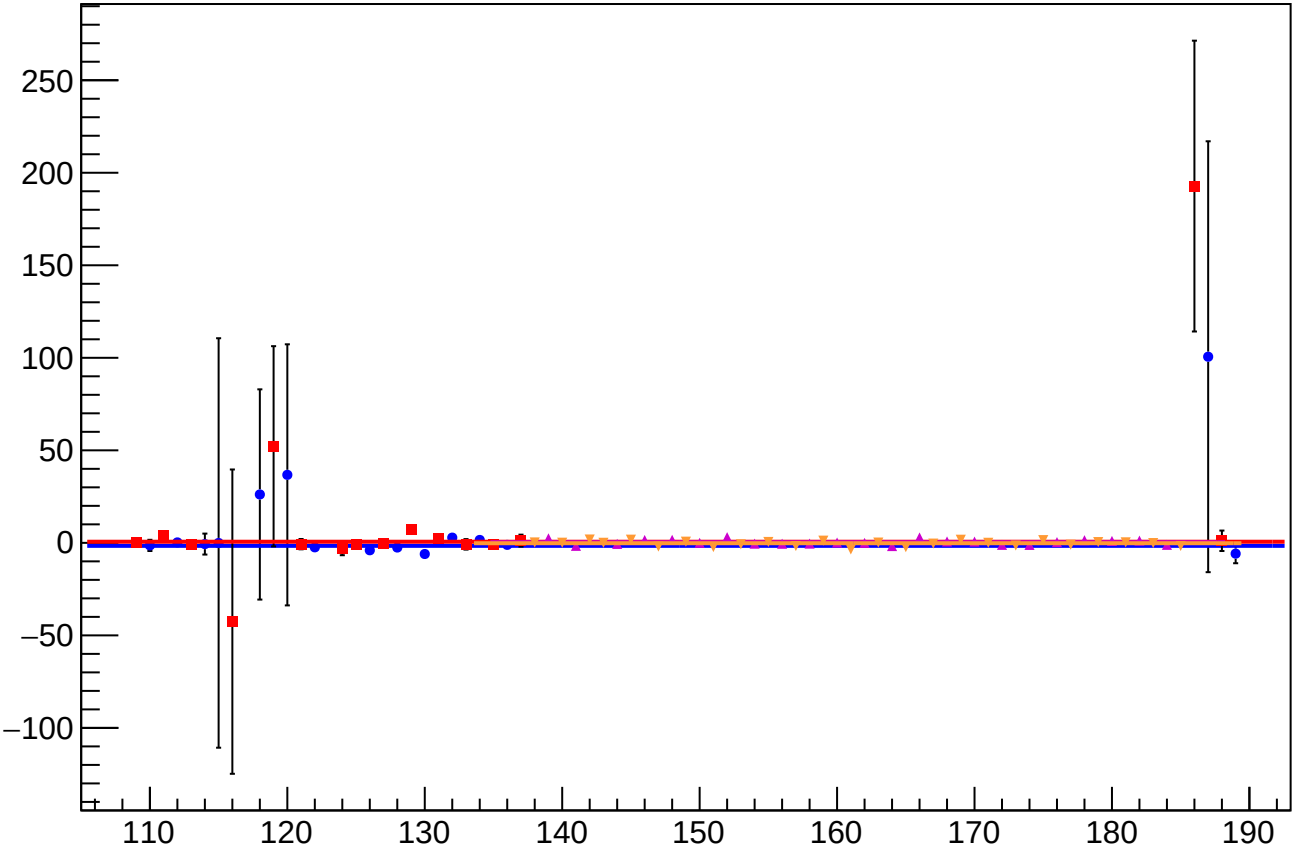
Left In: 4355.855+/-0.729 χ^2/NDF:743046.1/22

+ sign 3960.225+/-0.550 χ^2/NDF: 2098492.1/42

All: 4013.338+/-0.394 χ^2/NDF: 4252061.4/86

- sign 4069.401+/-0.565 χ^2/NDF: 2134371.7/43

diff_bpm1p02bX_mean vs Slug



Right In: -1.616+/-0.725 χ^2/NDF: 12.5/14

Left Out: -0.201+/-0.236 χ^2/NDF:33.9/24

Right Out: 0.612+/-0.711 χ^2/NDF: 18.7/15

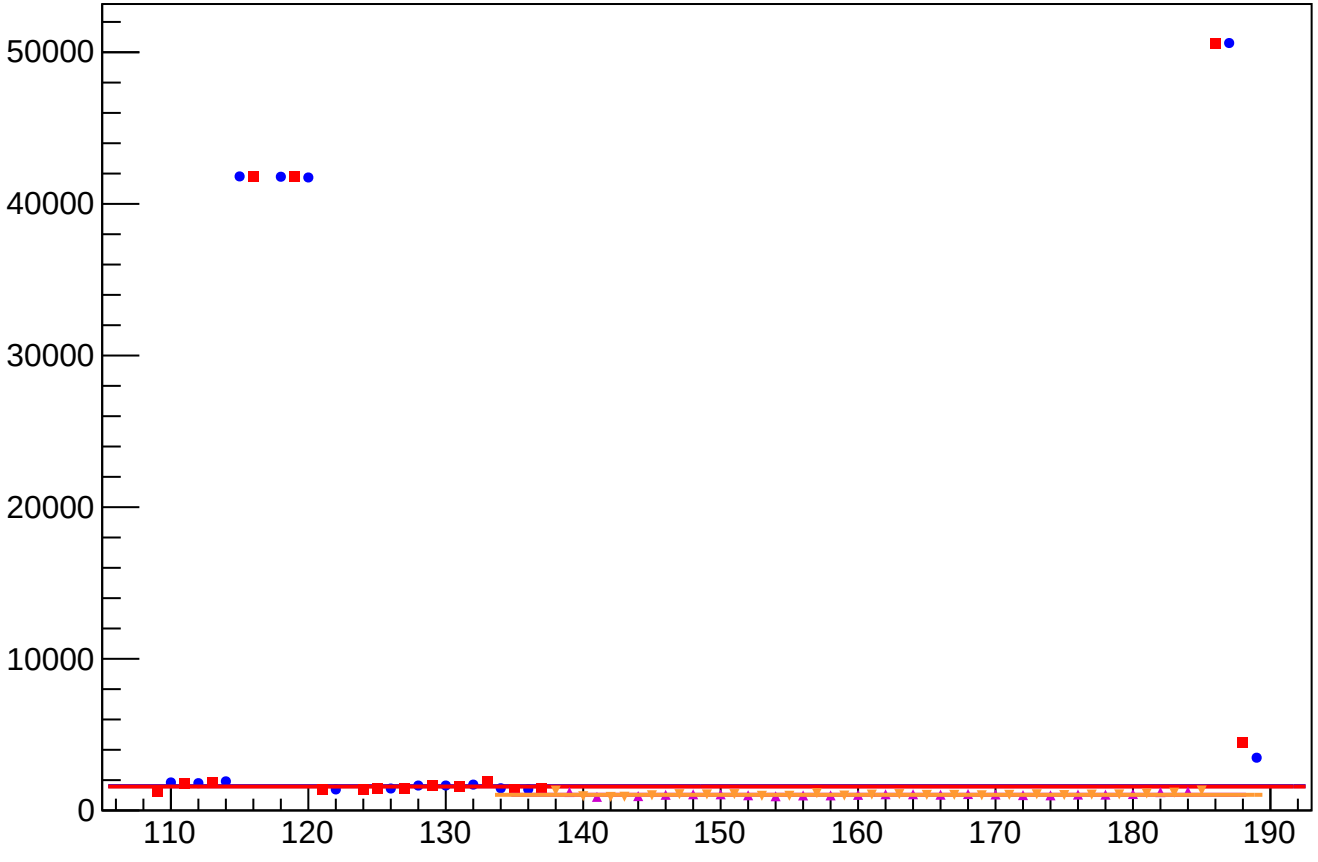
Left In: 0.333+/-0.242 χ^2/NDF:29.4/22

+ sign -0.336+/-0.224 χ^2/NDF: 49.9/39

All: 0.005+/-0.160 χ^2/NDF: 102.9/78

- sign 0.362+/-0.229 χ^2/NDF: 48.3/38

diff_bpm1p02bX_rms vs Slug



Right In: 1603.697+/-0.513 χ^2/NDF: 2638671.3/14

Left Out: 1031.473+/-0.167 χ^2/NDF:244095.3/24

Right Out: 1576.334+/-0.503 χ^2/NDF: 3071602.1/15

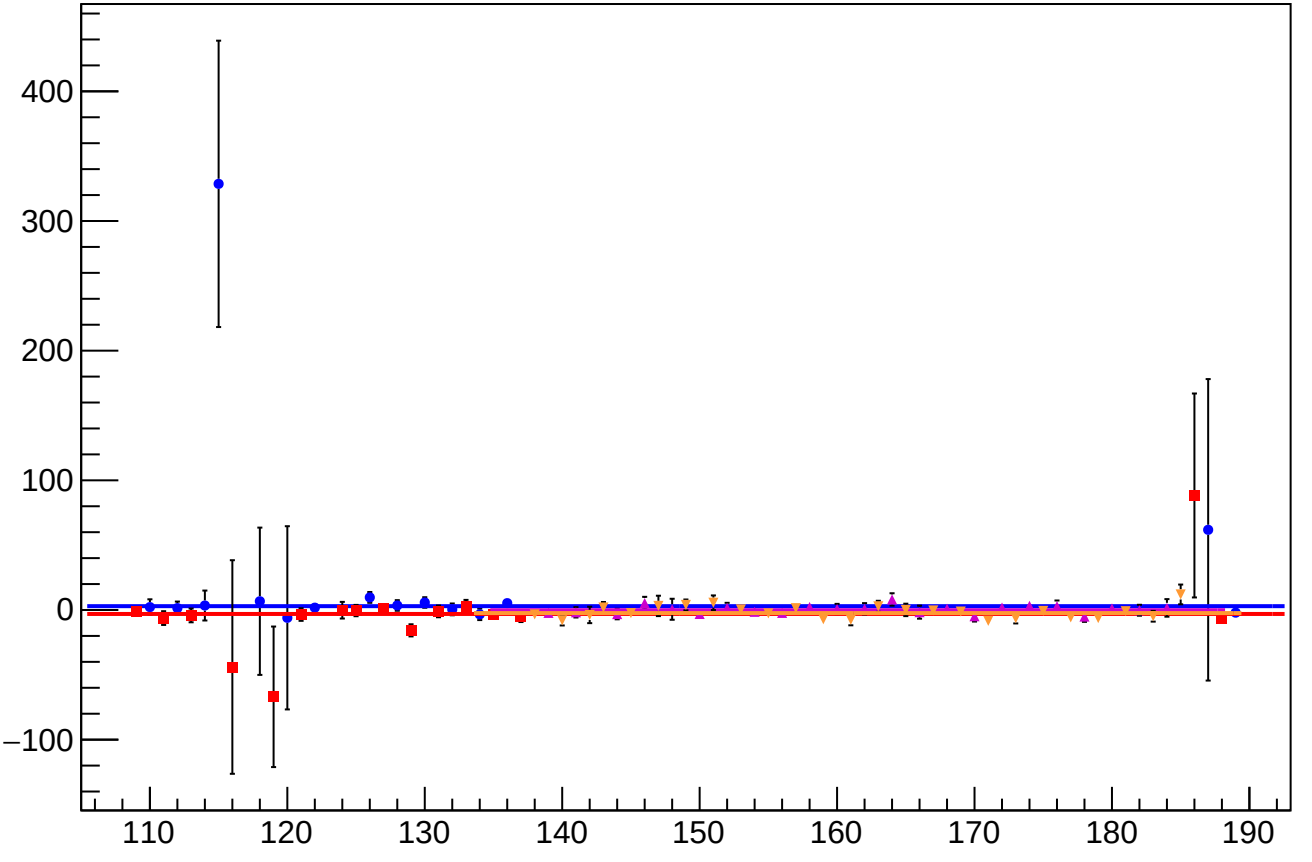
Left In: 1032.715+/-0.171 χ^2/NDF:187148.3/22

+ sign 1086.021+/-0.158 χ^2/NDF: 4008379.9/39

All: 1087.578+/-0.113 χ^2/NDF: 8314719.5/78

- sign 1089.208+/-0.162 χ^2/NDF: 4306141.9/38

diff_bpm1p02bY_mean vs Slug



Right In: 2.952+/-1.156 χ^2/NDF: 18.5/14

Left Out: -2.380+/-0.782 χ^2/NDF:24.3/24

Right Out: -3.065+/-1.147 χ^2/NDF: 15.9/15

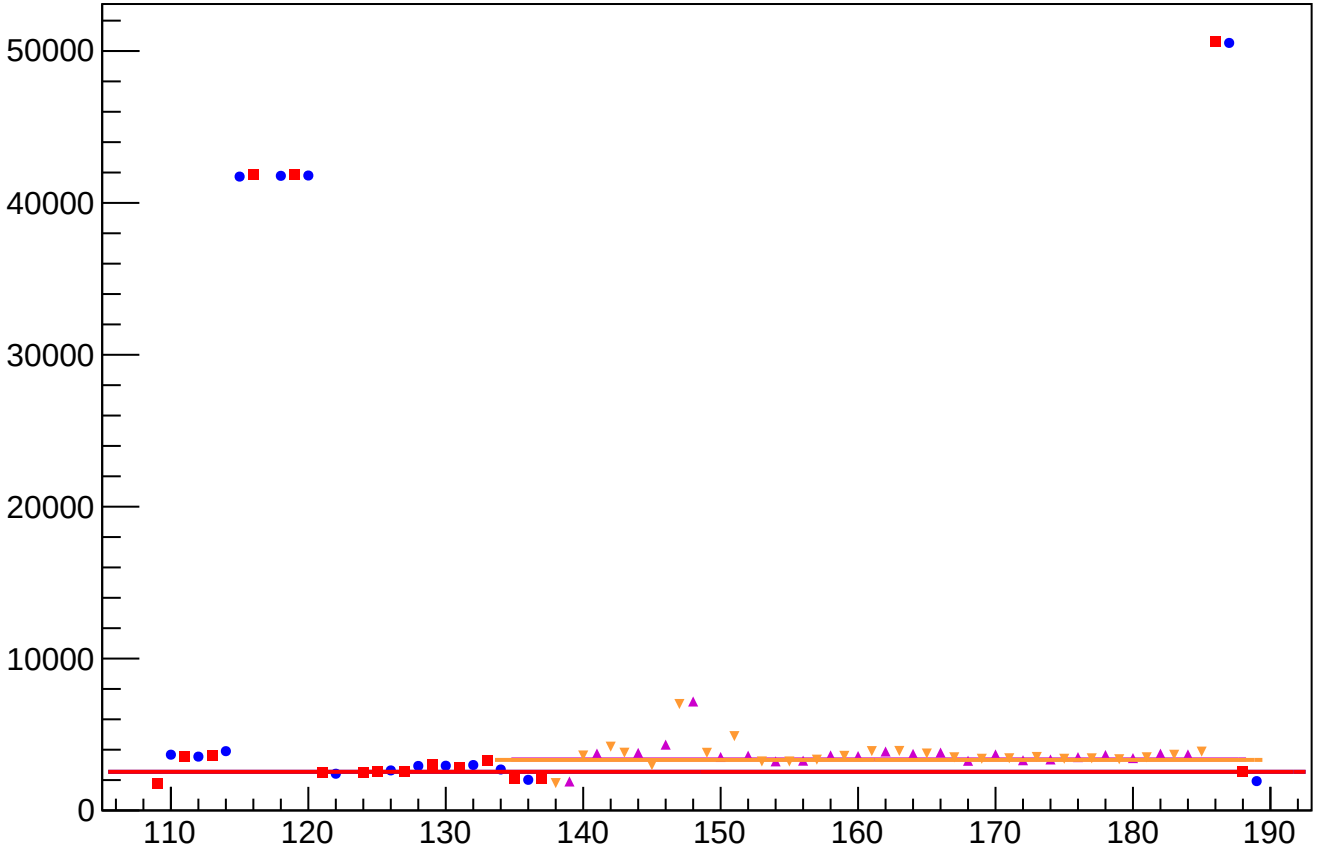
Left In: -0.171+/-0.810 χ^2/NDF:12.6/22

+ sign -0.706+/-0.648 χ^2/NDF: 57.4/39

All: -0.915+/-0.463 χ^2/NDF: 90.4/78

- sign -1.133+/-0.661 χ^2/NDF: 32.8/38

diff_bpm1p02bY_rms vs Slug



Right In: 2543.682+/-0.817 χ^2/NDF: 2606014.7/14

Left Out: 3328.251+/-0.553 χ^2/NDF:1915576.2/24

Right Out: 2544.571+/-0.811 χ^2/NDF: 2697025.3/15

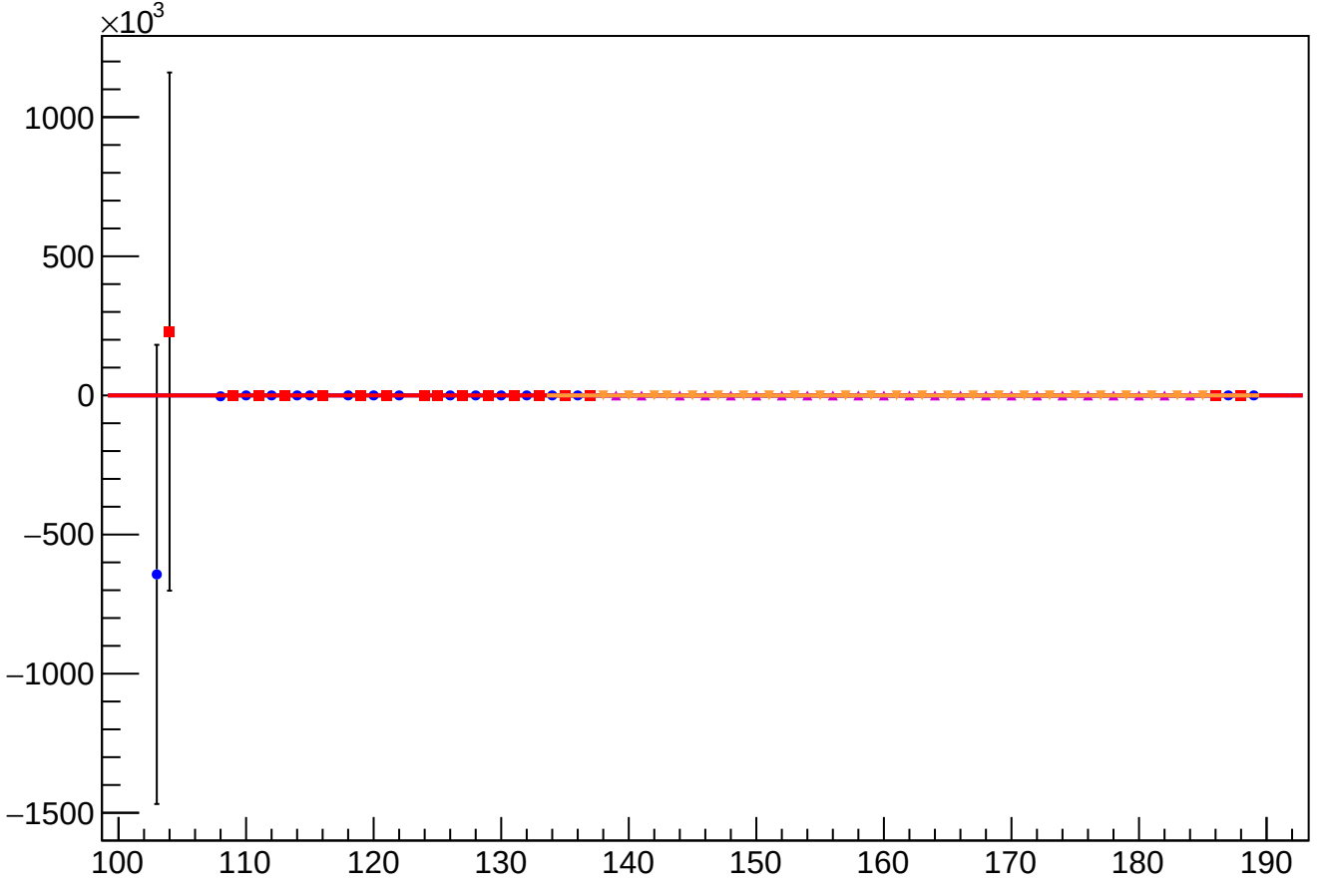
Left In: 3360.799+/-0.572 χ^2/NDF:1649390.5/22

+ sign 3081.845+/-0.458 χ^2/NDF: 5153707.2/39

All: 3085.517+/-0.327 χ^2/NDF: 10176310.9/7

- sign 3089.347+/-0.468 χ^2/NDF: 5022472.4/38

diff_bpm1p03aX_mean vs Slug



Right In: -1.304+/-1.054 χ^2/NDF: 18.9/16

Left Out: -1.573+/-0.363 χ^2/NDF:50.3/24

Right Out: -2.949+/-1.135 χ^2/NDF: 19.5/16

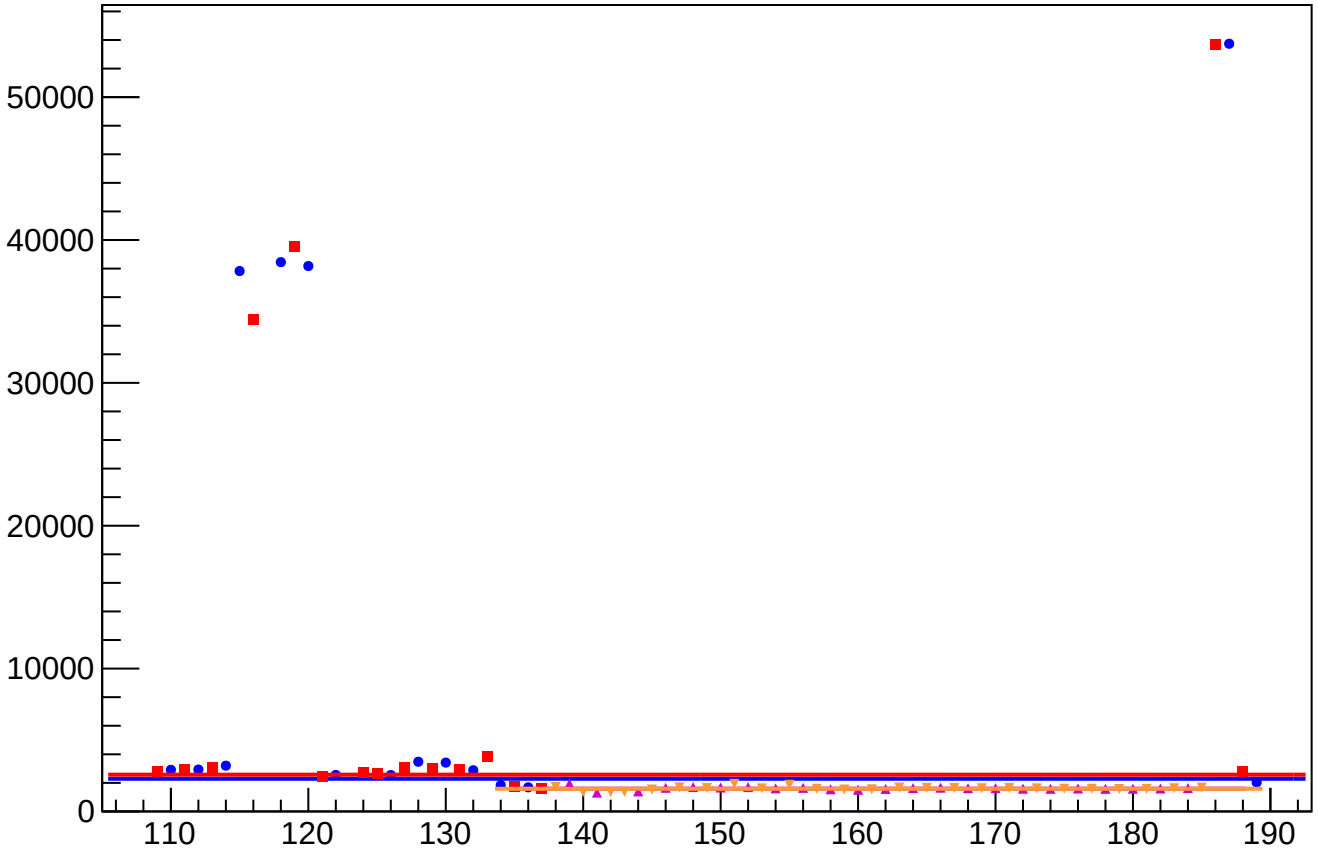
Left In: 0.018+/-0.374 χ^2/NDF:27.3/22

+ sign -1.544+/-0.343 χ^2/NDF: 69.2/41

All: -0.932+/-0.247 χ^2/NDF: 128.8/81

- sign -0.274+/-0.356 χ^2/NDF: 53.0/39

diff_bpm1p03aX_rms vs Slug



Right In: 2289.135+/-0.745 χ^2/NDF: 2823693.1/14

Left Out: 1589.488+/-0.257 χ^2/NDF:232518.0/24

Right Out: 2576.190+/-0.802 χ^2/NDF: 2797925.8/15

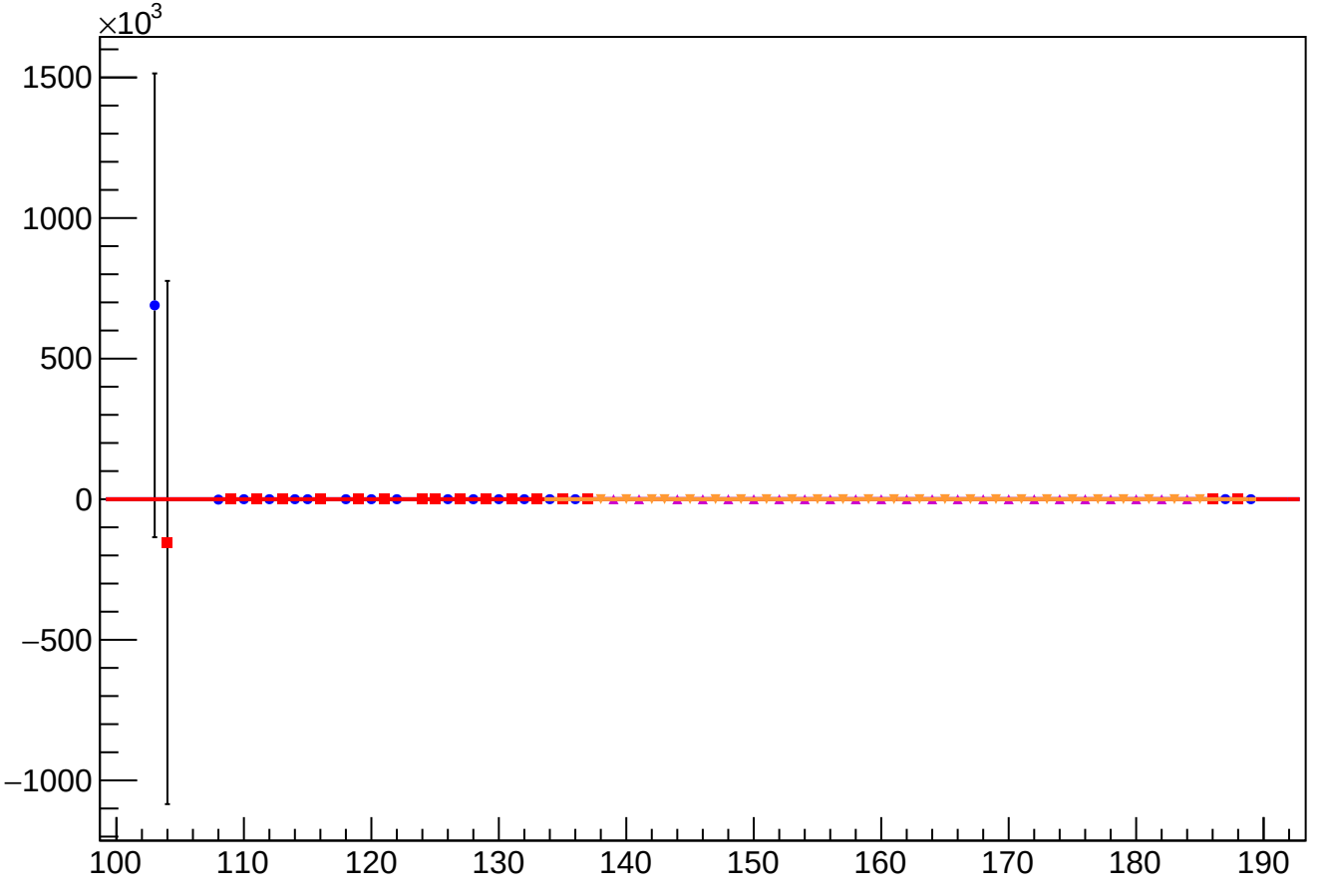
Left In: 1596.179+/-0.265 χ^2/NDF:196833.1/22

+ sign 1663.624+/-0.243 χ^2/NDF: 3843896.4/39

All: 1677.508+/-0.175 χ^2/NDF: 8190773.5/78

- sign 1692.418+/-0.251 χ^2/NDF: 4340086.6/38

diff_bpm1p03aY_mean vs Slug



Right In: 1.254+/-0.989 χ^2/NDF: 10.3/16

Left Out: -1.179+/-0.502 χ^2/NDF:24.4/24

Right Out: -2.162+/-0.992 χ^2/NDF: 16.5/16

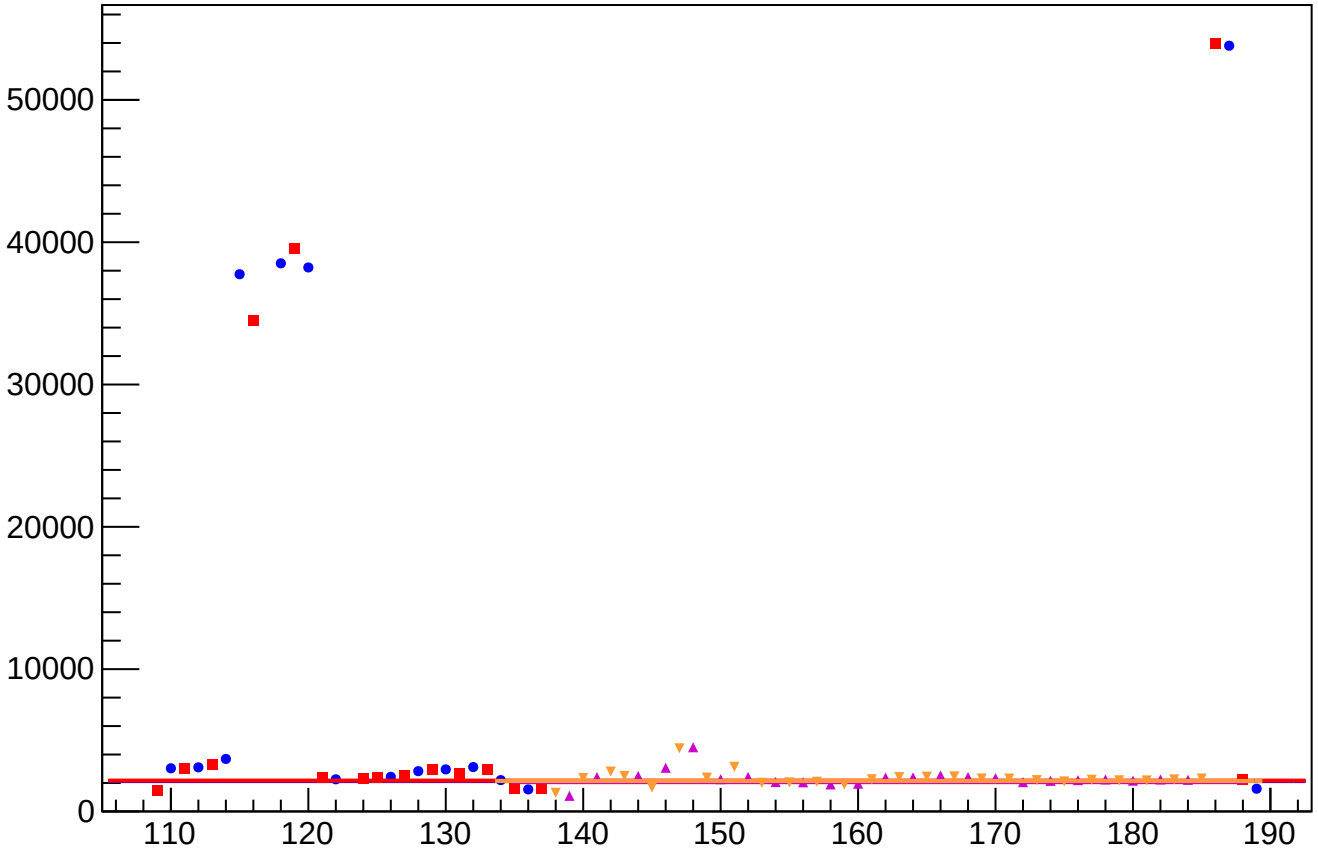
Left In: 0.125+/-0.501 χ^2/NDF:16.9/22

+ sign -0.680+/-0.448 χ^2/NDF: 39.5/41

All: -0.510+/-0.317 χ^2/NDF: 77.4/81

- sign -0.340+/-0.447 χ^2/NDF: 37.6/39

diff_bpm1p03aY_rms vs Slug



Right In: 2132.629+/-0.700 χ^2/NDF: 2976916.4/14

Left Out: 2139.248+/-0.355 χ^2/NDF:1480000.5/24

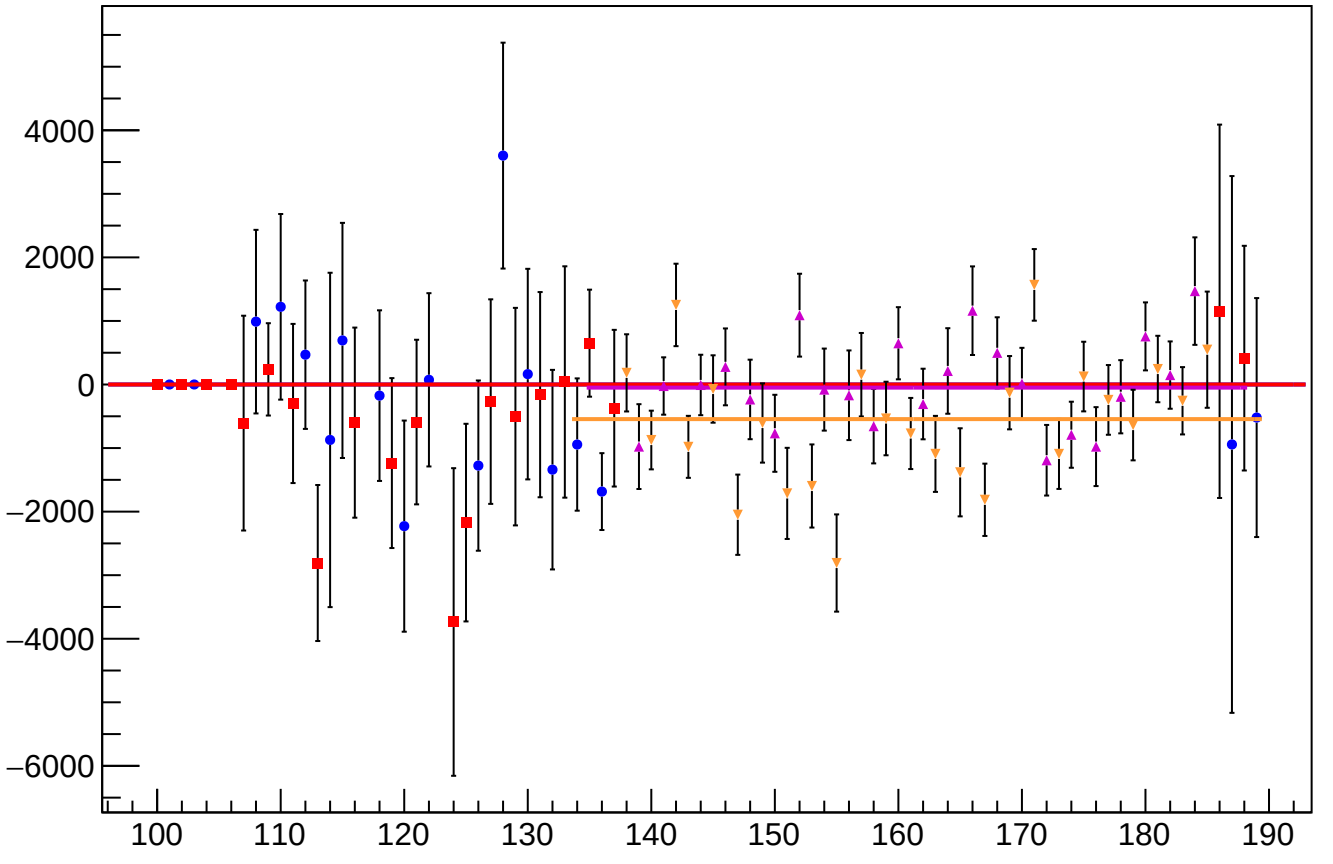
Right Out: 2168.036+/-0.702 χ^2/NDF: 2995602.4/15

Left In: 2058.216+/-0.354 χ^2/NDF:2293601.6/22

+ sign 2137.891+/-0.317 χ^2/NDF: 4456988.0/39

All: 2109.181+/-0.224 χ^2/NDF: 9782120.2/78

- sign 2080.549+/-0.316 χ^2/NDF: 5308727.2/38



Right In: 0.255+/-0.356 χ^2/NDF: 17.9/17

Left Out: -544.414+/-117.154 χ^2/NDF:60.9/24

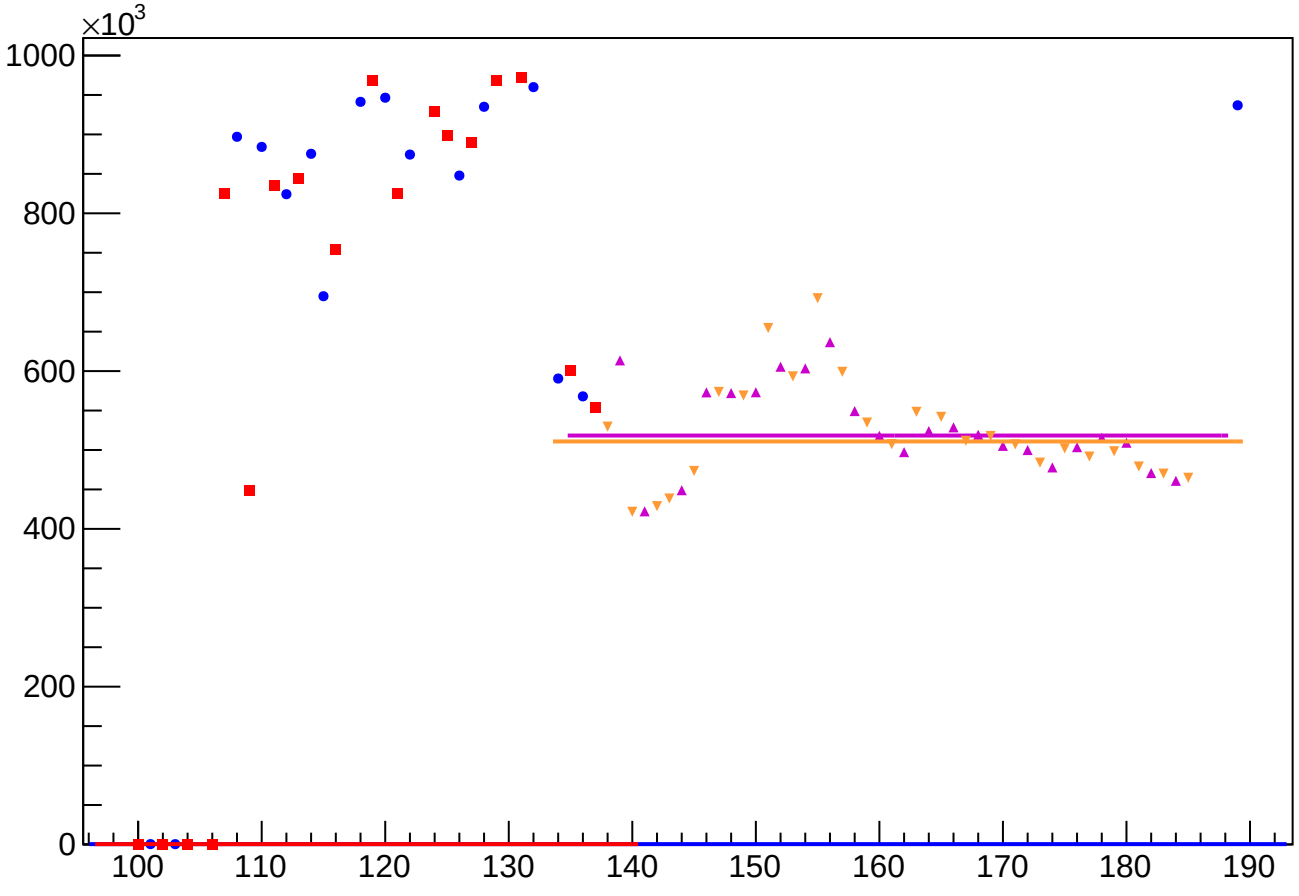
Right Out: 0.096+/-0.328 χ^2/NDF: 15.6/20

Left In: -49.119+/-121.932 χ^2/NDF:28.0/22

+ sign 0.250+/-0.356 χ^2/NDF: 100.3/42

All: 0.167+/-0.241 χ^2/NDF: 144.2/86

- sign 0.096+/-0.328 χ^2/NDF: 43.7/43



Right In: 398.894+/-0.251 χ^2/NDF: 8685185.3/15

Left Out: 510811.545+/-82.841 χ^2/NDF:509606.7/24

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

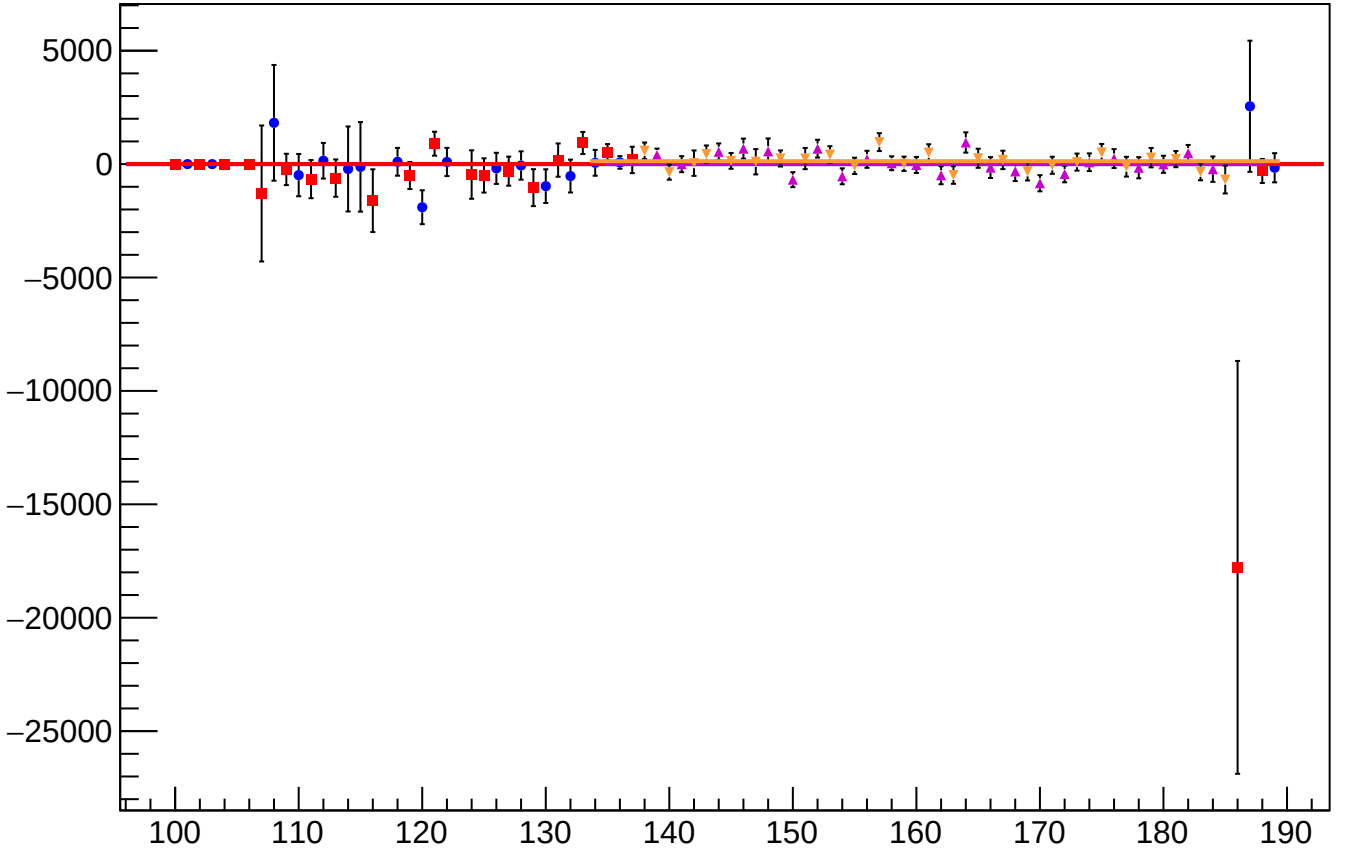
Left In: 518313.411+/-86.219 χ^2/NDF:399884.6/22

+ sign 403.598+/-0.251 χ^2/NDF: 47157011.5/40

All: 400.021+/-0.170 χ^2/NDF: 91289762.7/81

- sign 396.983+/-0.232 χ^2/NDF: 44132377.0/40

diff_cav4bY_mean vs Slug



Right In: -0.020+/-0.347 χ^2/NDF: 11.3/17

Left Out: 128.971+/-78.249 χ^2/NDF:20.1/24

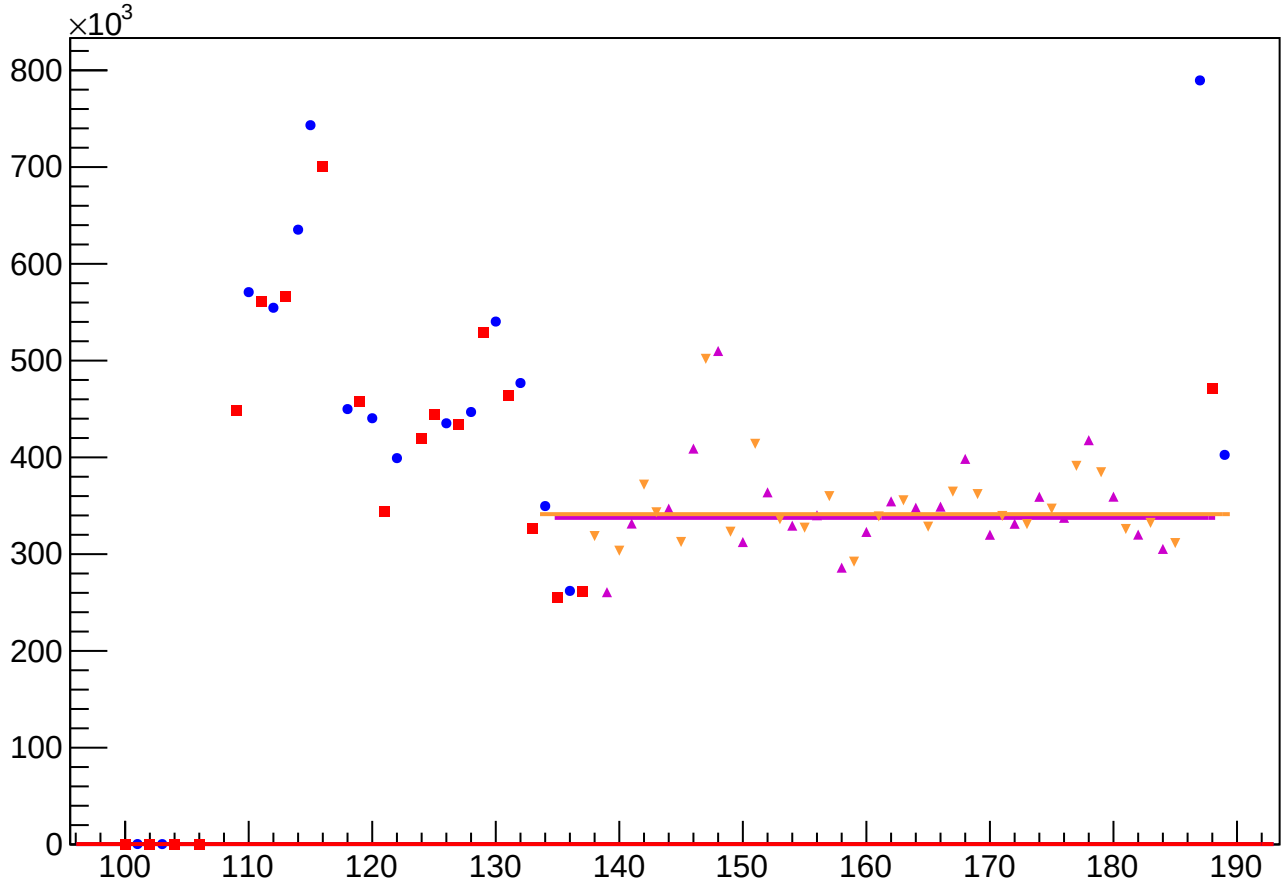
Right Out: 0.599+/-0.324 χ^2/NDF: 19.1/20

Left In: 19.324+/-79.767 χ^2/NDF:33.7/22

+ sign -0.018+/-0.347 χ^2/NDF: 34.1/42

All: 0.312+/-0.237 χ^2/NDF: 88.7/86

- sign 0.599+/-0.324 χ^2/NDF: 52.9/43



Right In: 390.392+/-0.245 χ^2/NDF: 11925367.0/16

Left Out: 341327.149+/-55.330 χ^2/NDF:403173.8/24

Right Out: 388.156+/-0.229 χ^2/NDF: 12613785.5/18

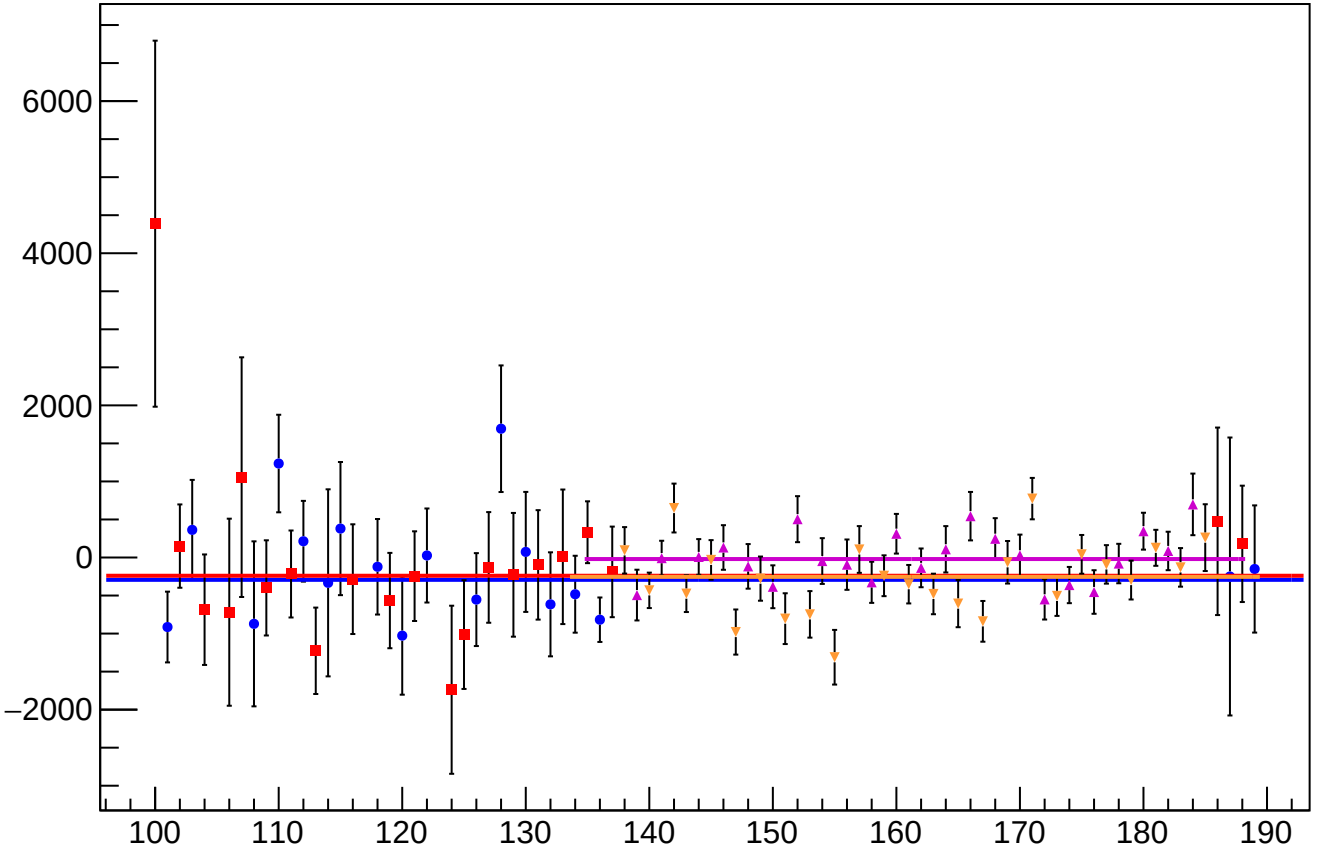
Left In: 337505.654+/-56.407 χ^2/NDF:600776.4/22

+ sign 397.101+/-0.245 χ^2/NDF: 50296251.7/41

All: 395.288+/-0.167 χ^2/NDF: 99229296.8/83

- sign 393.710+/-0.229 χ^2/NDF: 48932943.1/41

diff_cav4cX_mean vs Slug



Right In: -293.545+/-144.674 χ^2/NDF: 21.2/17

Left Out: -254.371+/-55.417 χ^2/NDF:61.3/24

Right Out: -239.771+/-152.226 χ^2/NDF: 14.5/20

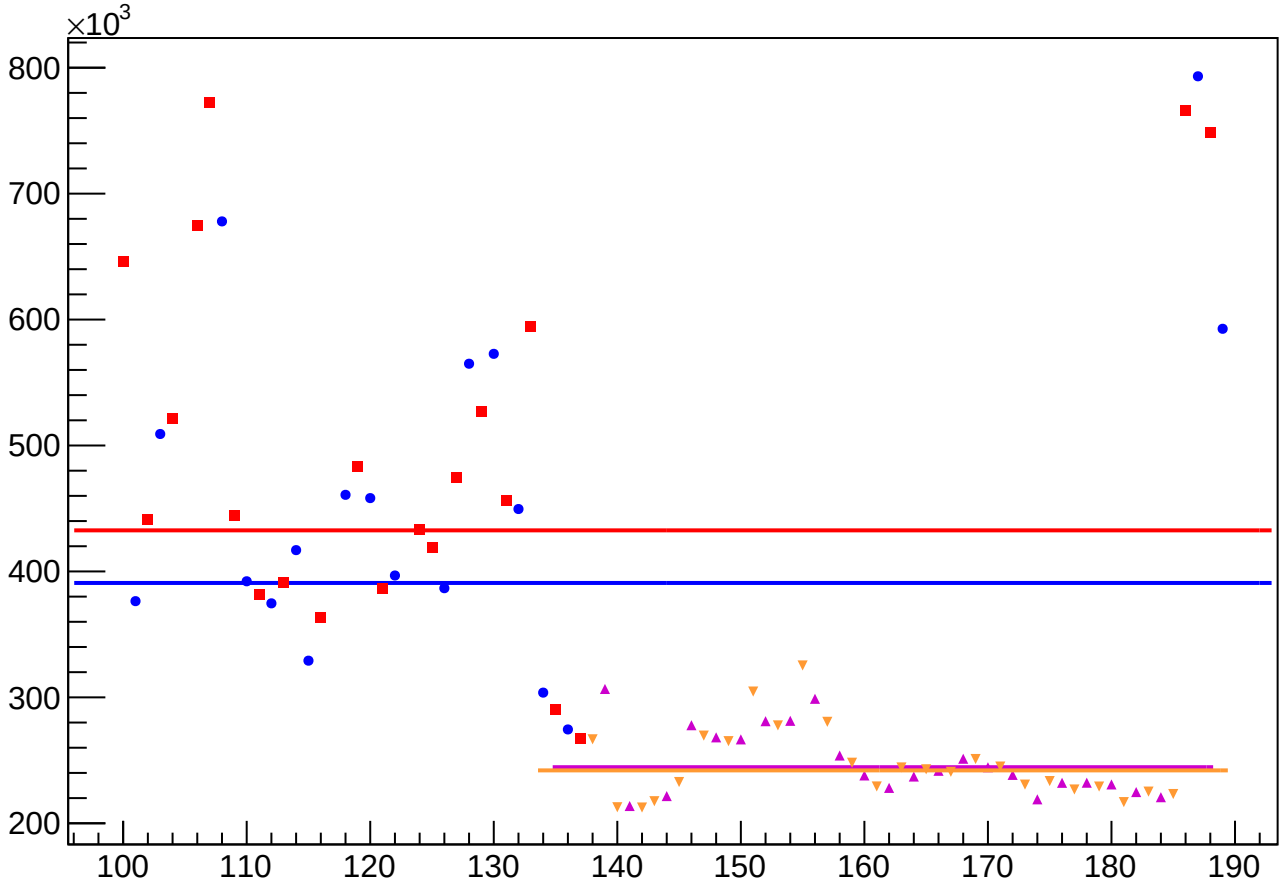
Left In: -20.176+/-57.484 χ^2/NDF:28.6/22

+ sign -259.383+/-51.751 χ^2/NDF: 82.6/42

All: -157.548+/-37.289 χ^2/NDF: 135.6/86

- sign -47.581+/-53.777 χ^2/NDF: 45.0/43

diff_cav4cX_rms vs Slug



Right In: 390851.311+/-102.318 χ^2/NDF: 1057243.4/17

Left Out: 242008.749+/-39.186 χ^2/NDF:413236.1/24

Right Out: 432614.802+/-107.725 χ^2/NDF: 1263908.5/20

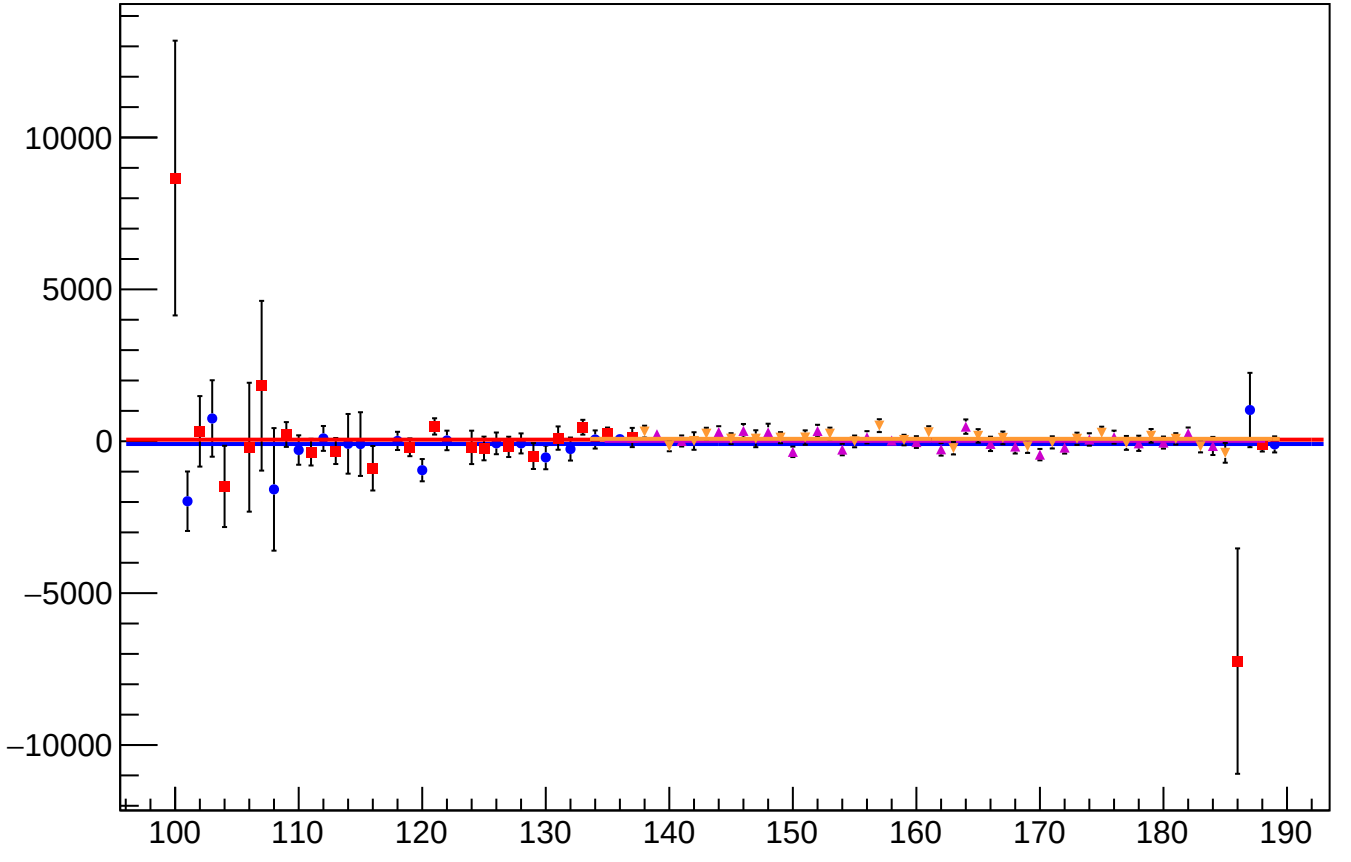
Left In: 244542.686+/-40.647 χ^2/NDF:361527.4/22

+ sign 261047.828+/-36.594 χ^2/NDF: 3315960.4/42

All: 264381.482+/-26.369 χ^2/NDF: 7626780.

- sign 267981.889+/-38.030 χ^2/NDF: 4293558.0/43

diff_cav4cY_mean vs Slug



Right In: -91.372+/-83.538 χ^2/NDF: 14.5/17

Left Out: 79.495+/-41.301 χ^2/NDF:19.7/24

Right Out: 52.559+/-81.219 χ^2/NDF: 23.6/20

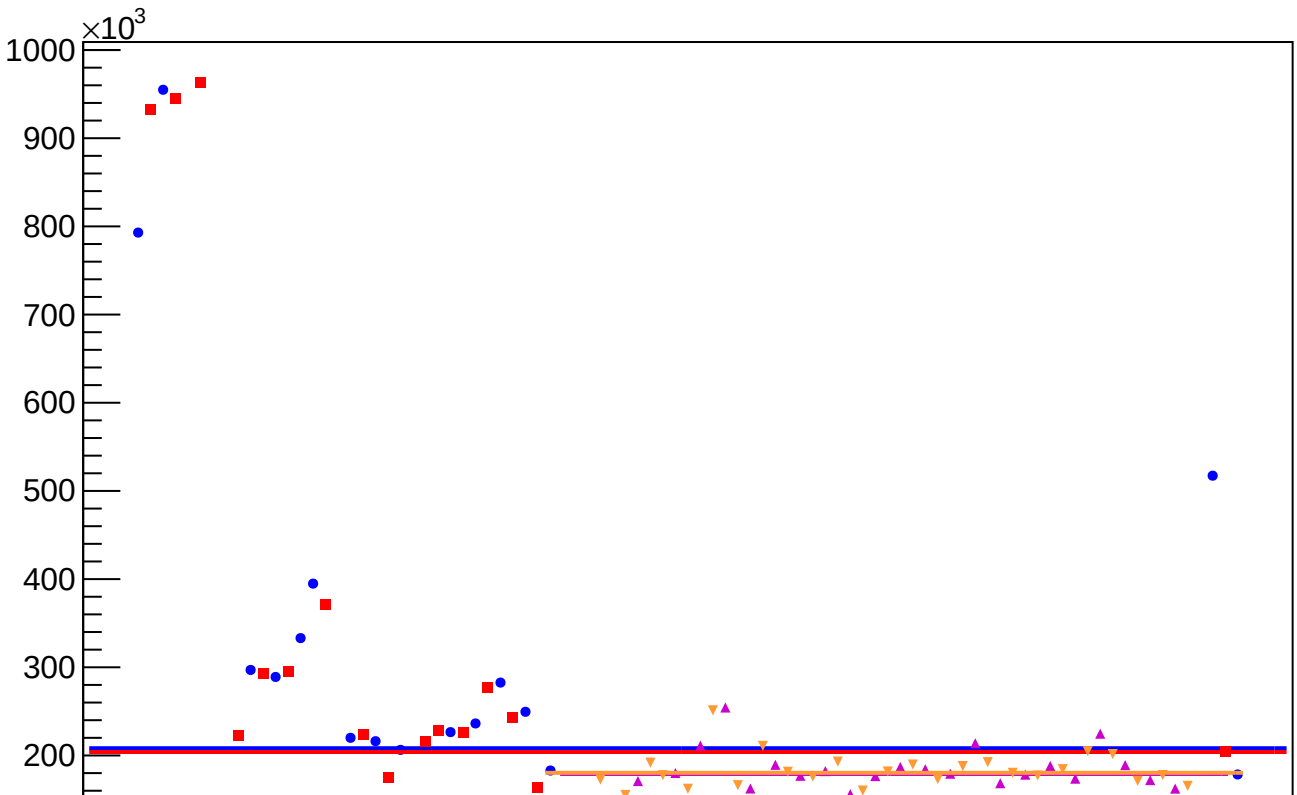
Left In: 14.032+/-42.233 χ^2/NDF:33.2/22

+ sign 45.934+/-37.023 χ^2/NDF: 37.6/42

All: 34.225+/-26.336 χ^2/NDF: 94.8/86

- sign 22.232+/-37.470 χ^2/NDF: 57.0/43

diff_cav4cY_rms vs Slug



Right In: 208220.853+/-59.163 χ^2/NDF: 2113603.2/16

Left Out: 180342.867+/-29.204 χ^2/NDF:346596.9/24

Right Out: 203939.298+/-57.568 χ^2/NDF: 2070519.3/17

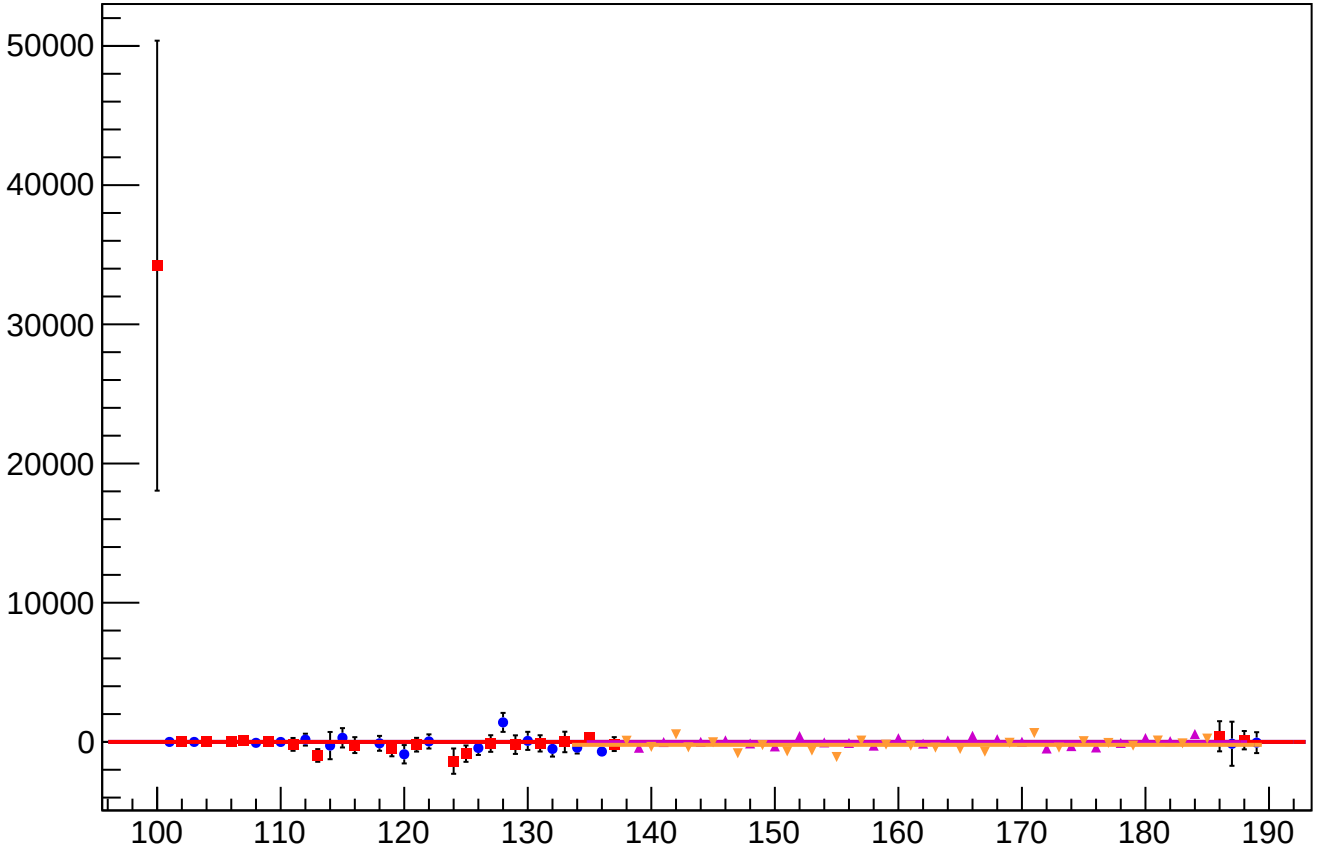
Left In: 179024.195+/-29.863 χ^2/NDF:501400.7/22

+ sign 185804.814+/-26.187 χ^2/NDF: 2638735.6/41

All: 185065.179+/-18.630 χ^2/NDF: 5359865.

- sign 184307.269+/-26.509 χ^2/NDF: 2719514.7/40

diff_cav4dX_mean vs Slug



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/17

Left Out: -210.198+/-46.290 χ^2/NDF:61.2/24

Right Out: -0.355+/-0.160 χ^2/NDF: 16.7/20

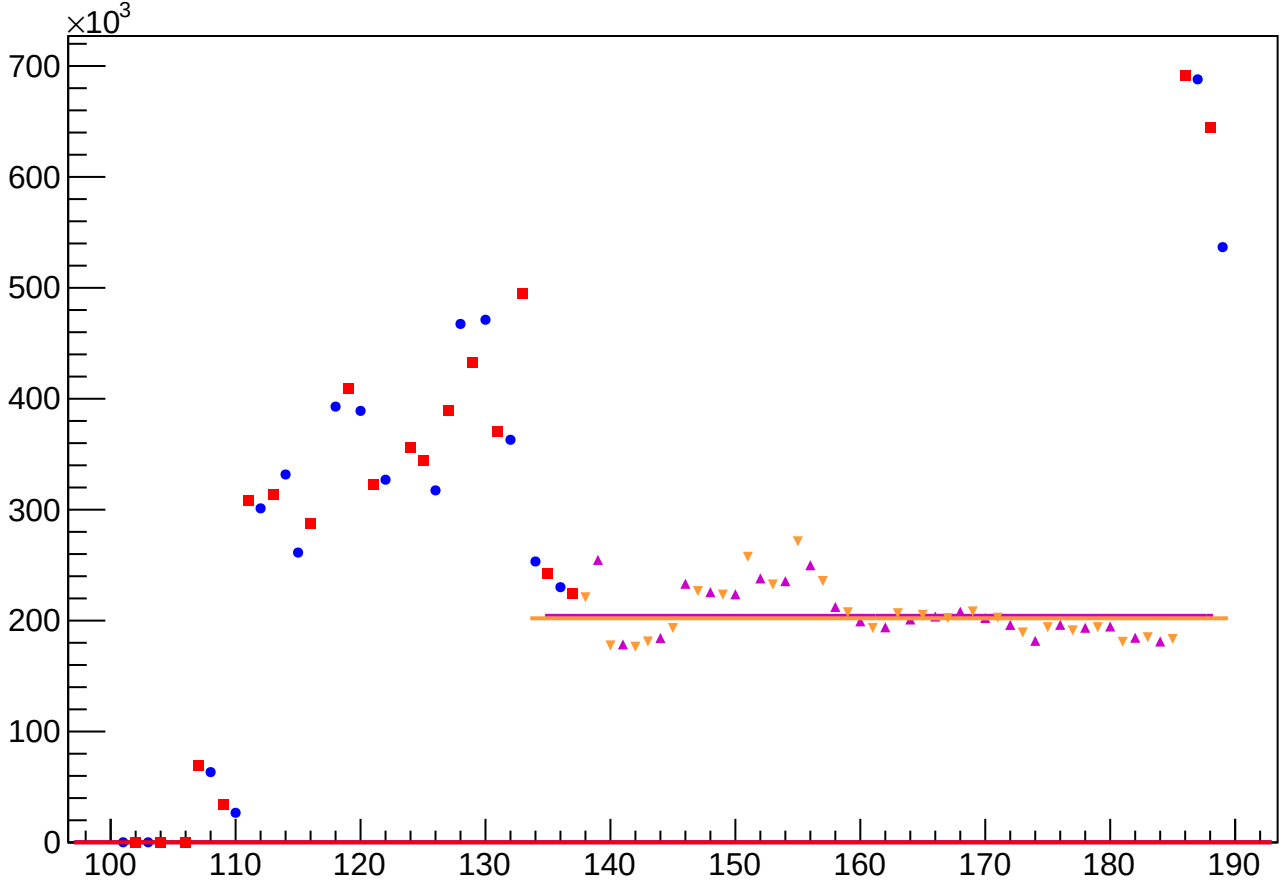
Left In: -21.095+/-48.037 χ^2/NDF:28.6/22

+ sign -0.038+/-0.172 χ^2/NDF: 99.9/42

All: -0.208+/-0.117 χ^2/NDF: 147.2/86

- sign -0.355+/-0.160 χ^2/NDF: 45.4/43

diff_cav4dX_rms vs Slug



Right In: 149.129+/-0.122 χ^2/NDF: 12700646.1/17

Left Out: 202085.802+/-32.732 χ^2/NDF:434069.3/24

Right Out: 149.432+/-0.113 χ^2/NDF: 14015913.8/19

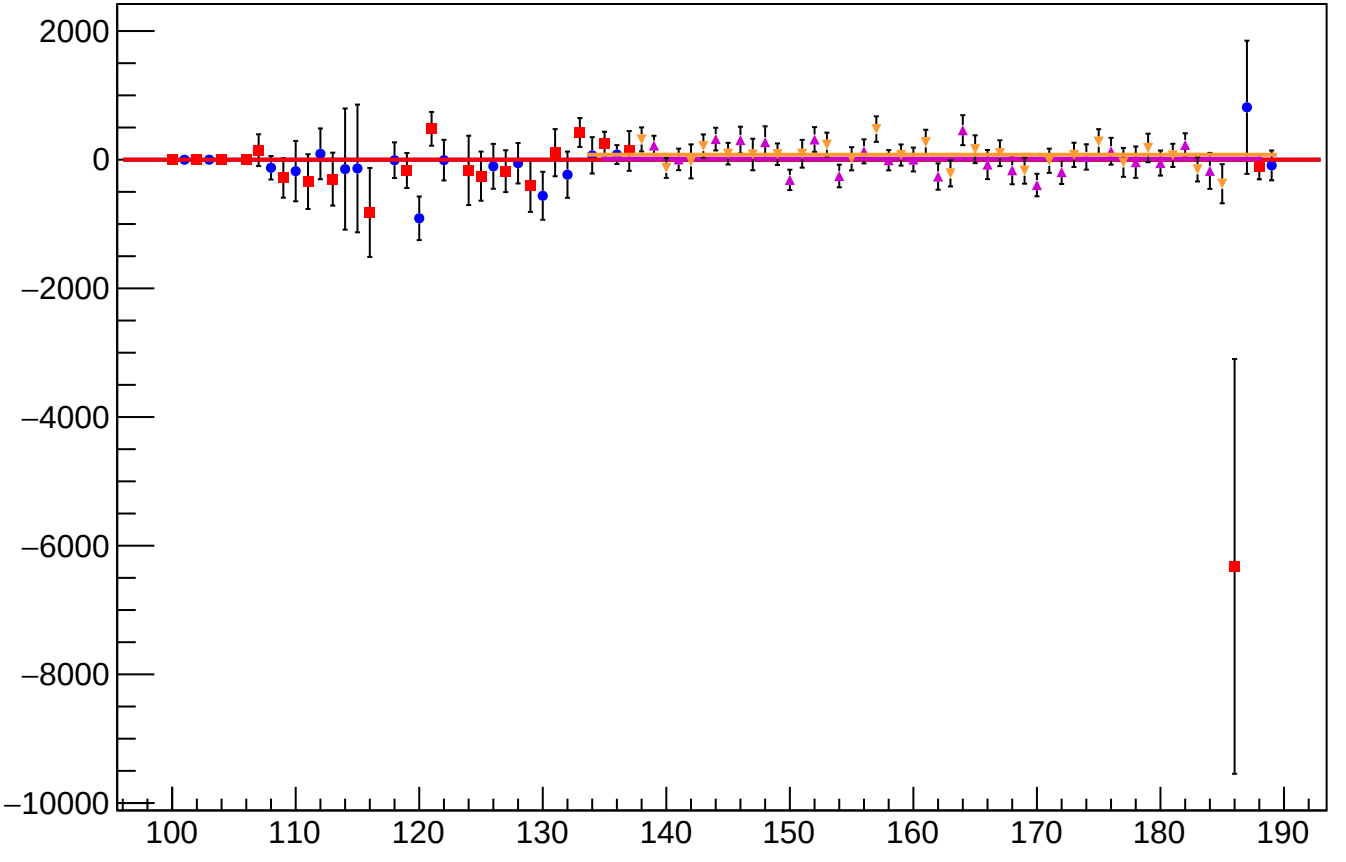
Left In: 204310.238+/-33.967 χ^2/NDF:377332.3/22

+ sign 151.925+/-0.122 χ^2/NDF: 51196506.0/42

All: 151.805+/-0.083 χ^2/NDF: 101715184.4/8

- sign 151.701+/-0.113 χ^2/NDF: 50518676.5/42

diff_cav4dY_mean vs Slug



Right In: -0.068+/-0.177 χ^2/NDF: 12.0/17

Left Out: 77.572+/-38.921 χ^2/NDF:19.1/24

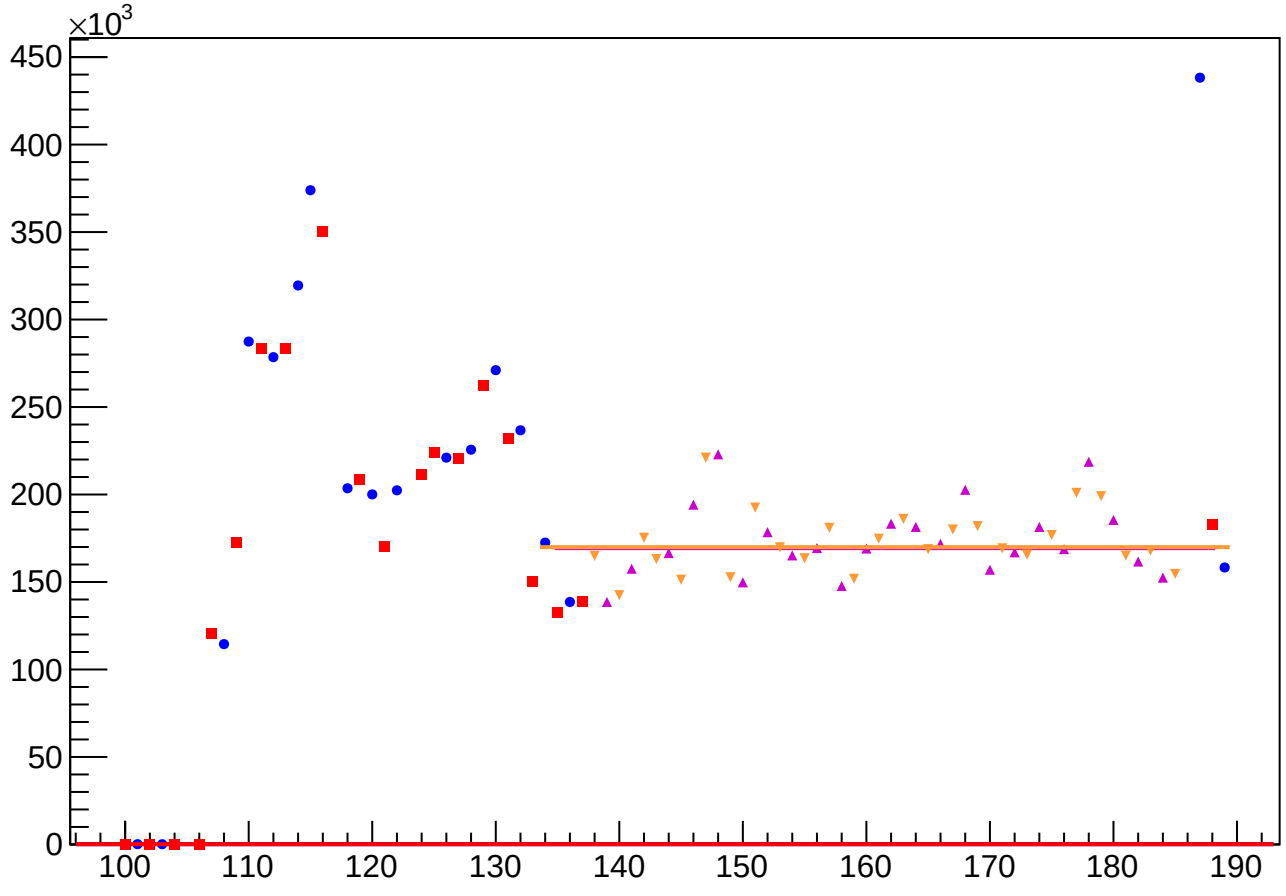
Right Out: 0.126+/-0.166 χ^2/NDF: 19.4/20

Left In: 13.457+/-39.929 χ^2/NDF:32.7/22

+ sign -0.066+/-0.177 χ^2/NDF: 35.1/42

All: 0.036+/-0.121 χ^2/NDF: 87.9/86

- sign 0.126+/-0.166 χ^2/NDF: 52.2/43



Right In: 153.565+/-0.125 χ^2/NDF: 13193380.7/17

Left Out: 169916.225+/-27.521 χ^2/NDF:363966.0/24

Right Out: 156.290+/-0.118 χ^2/NDF: 13076296.7/19

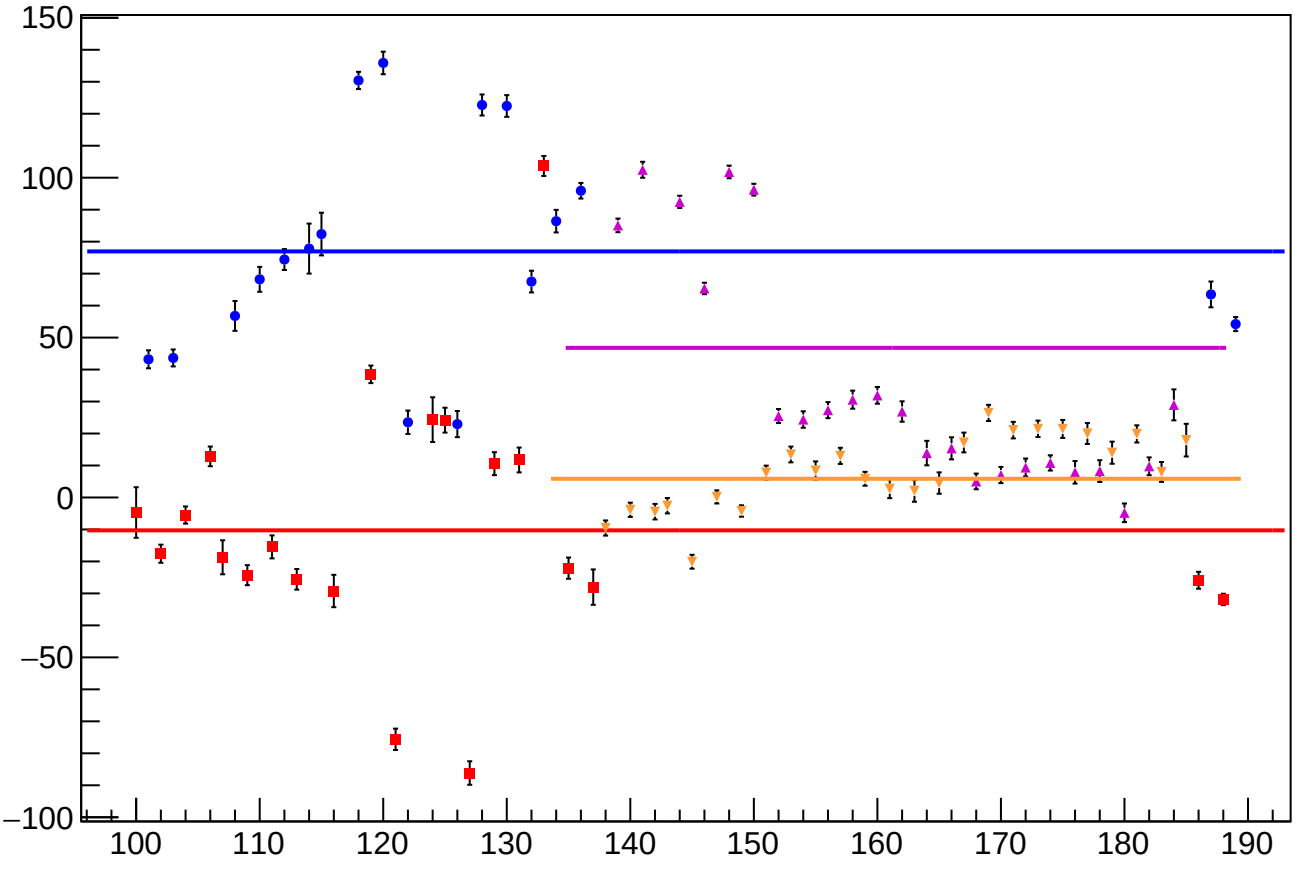
Left In: 169352.083+/-28.234 χ^2/NDF:474852.1/22

+ sign 157.085+/-0.125 χ^2/NDF: 51605462.4/42

All: 158.225+/-0.086 χ^2/NDF: 101066872.7/8

- sign 159.232+/-0.118 χ^2/NDF: 49461254.5/42

diff_bpm0i01X_mean vs Slug



Right In: 76.942+/-0.779 χ^2/NDF: 1954.2/17

Left Out: 5.852+/-0.514 χ^2/NDF:535.3/24

Right Out: -10.278+/-0.717 χ^2/NDF: 2957.2/20

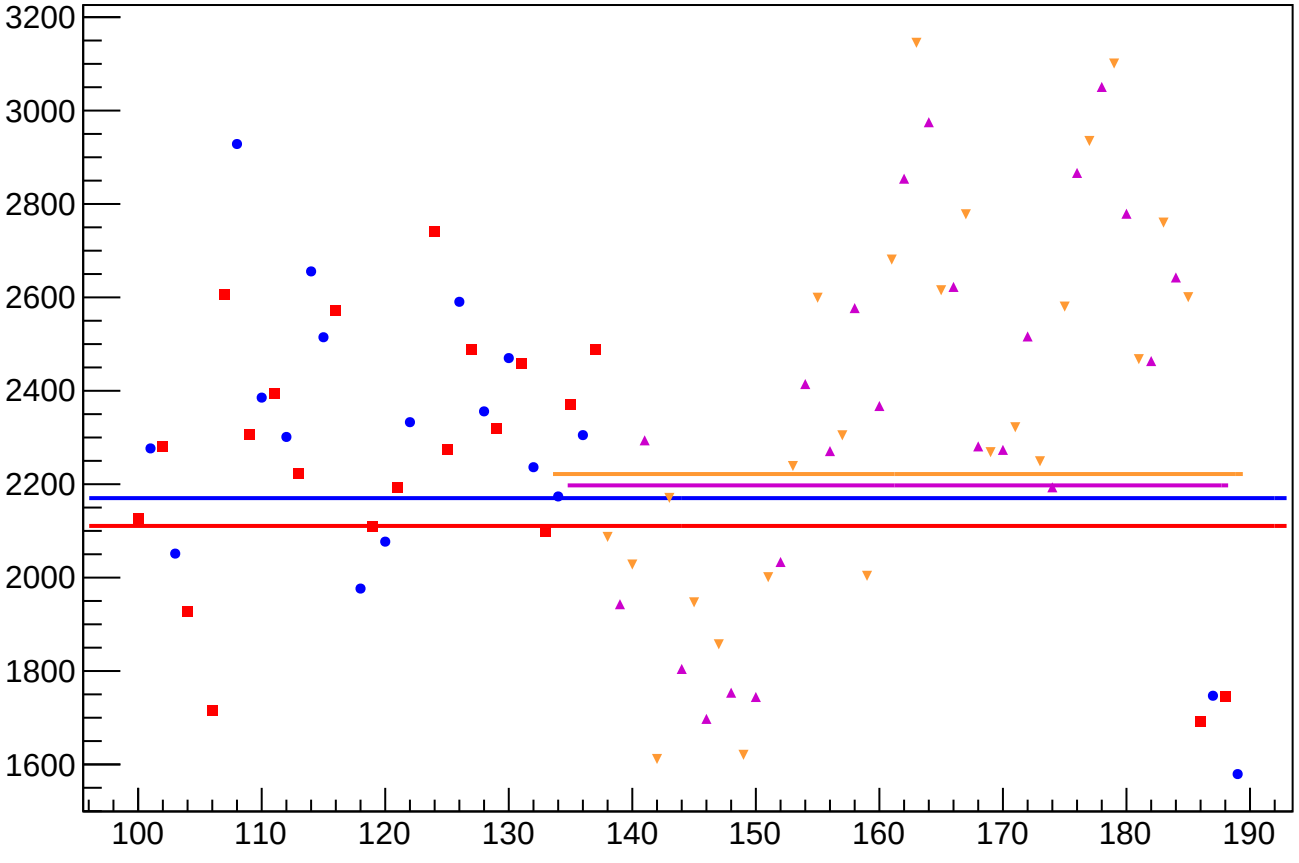
Left In: 46.796+/-0.524 χ^2/NDF:5175.4/22

\+ sign 27.416+/-0.429 χ^2/NDF: 8292.3/42

All: 27.152+/-0.301 χ^2/NDF: 20554.8/86

\- sign 26.894+/-0.423 χ^2/NDF: 12261.8/43

diff_bpm0i01X_rms vs Slug



Right In: 2170.208+/-0.551 χ^2/NDF: 314496.9/17

Left Out: 2221.771+/-0.363 χ^2/NDF:1184043.2/24

Right Out: 2110.650+/-0.507 χ^2/NDF: 327204.7/20

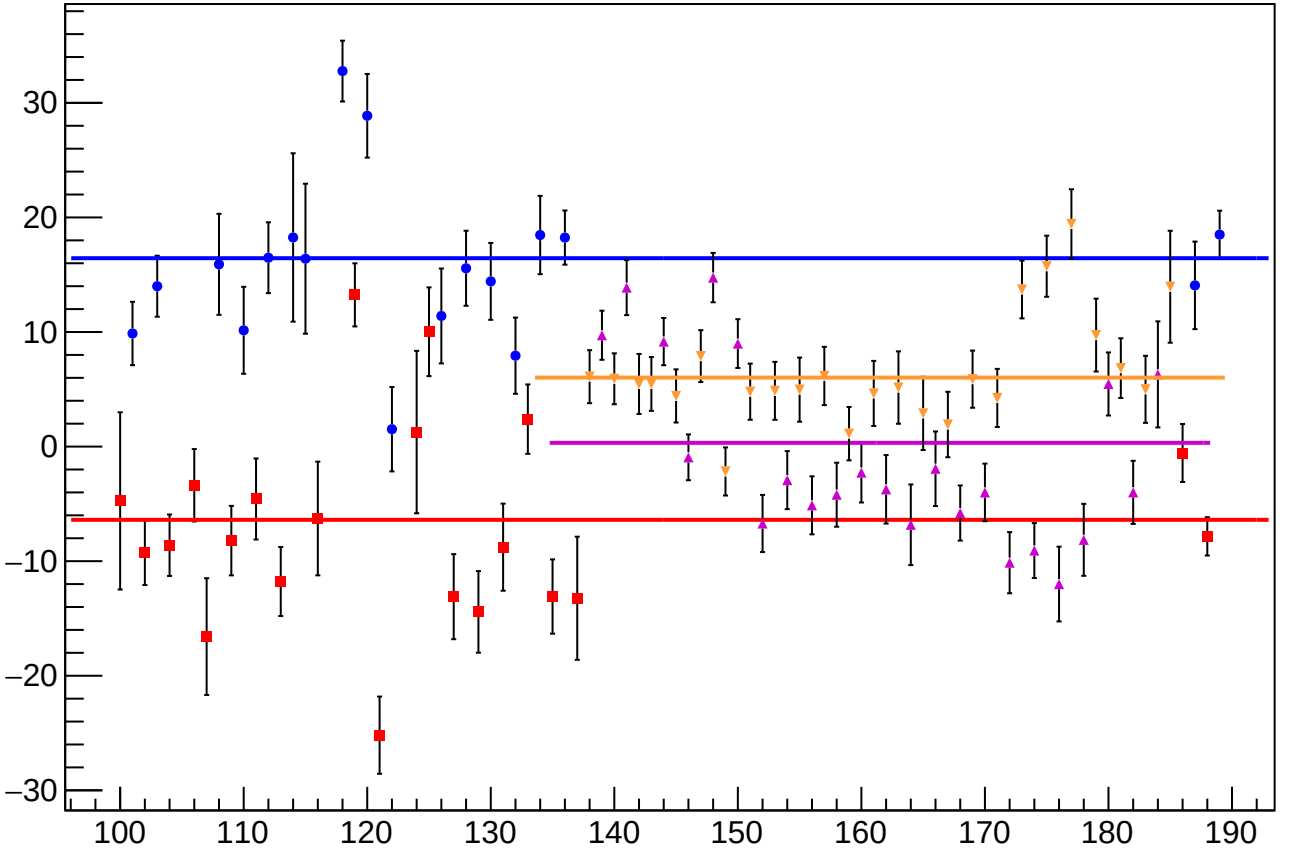
Left In: 2197.471+/-0.371 χ^2/NDF:1104663.4/22

+ sign 2206.130+/-0.303 χ^2/NDF: 1504645.8/42

All: 2186.402+/-0.213 χ^2/NDF: 2963971.2/86

- sign 2167.197+/-0.299 χ^2/NDF: 1450978.6/43

diff_bpm0i01Y_mean vs Slug



Right In: 16.442+/-0.762 χ^2/NDF: 86.0/17

Left Out: 6.022+/-0.521 χ^2/NDF:71.8/24

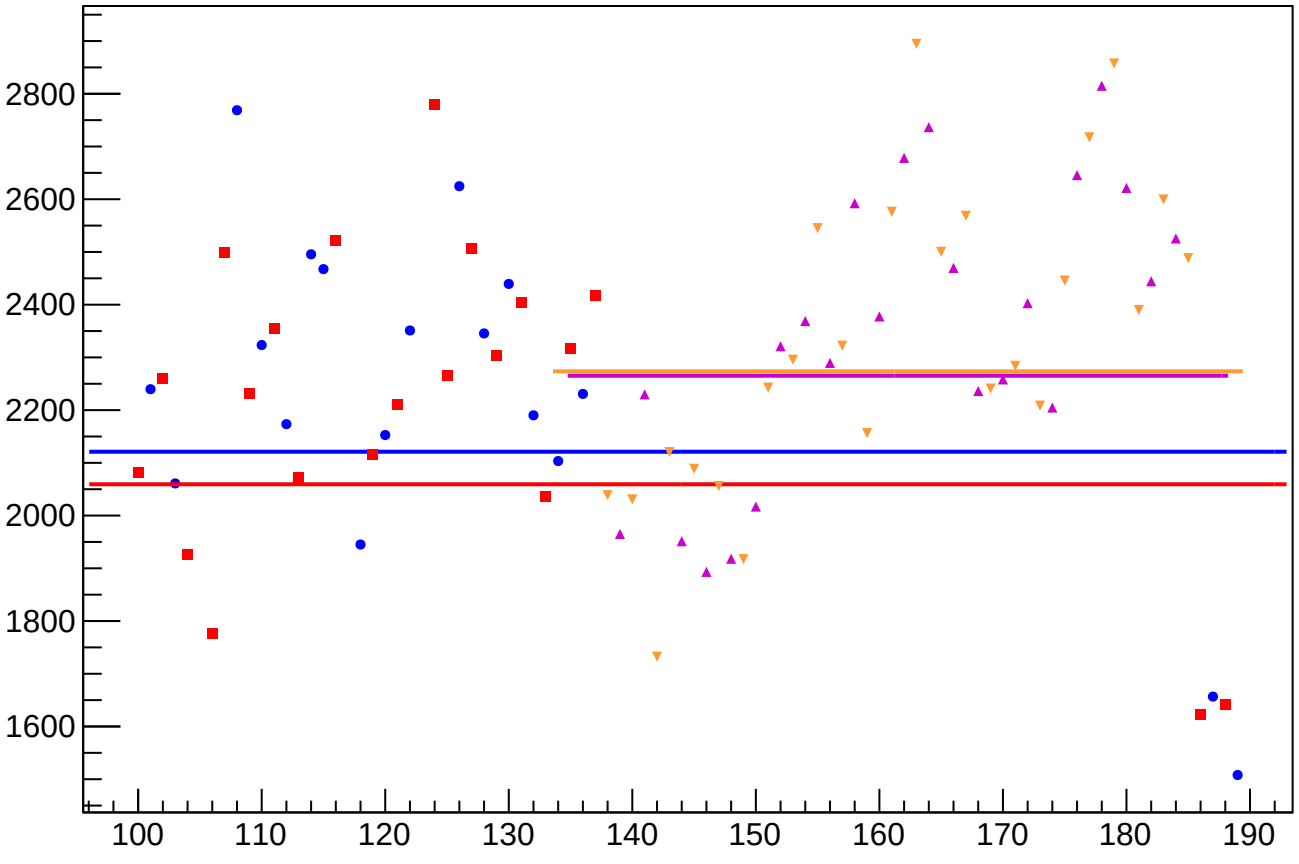
Right Out: -6.393+/-0.700 χ^2/NDF: 140.7/20

Left In: 0.329+/-0.535 χ^2/NDF:224.9/22

+ sign 9.341+/-0.430 χ^2/NDF: 285.2/42

All: 3.529+/-0.302 χ^2/NDF: 1070.2/86

- sign -2.147+/-0.425 χ^2/NDF: 423.8/43



Right In: 2121.111+/-0.539 χ^2/NDF: 345409.8/17

Left Out: 2273.612+/-0.368 χ^2/NDF:536838.6/24

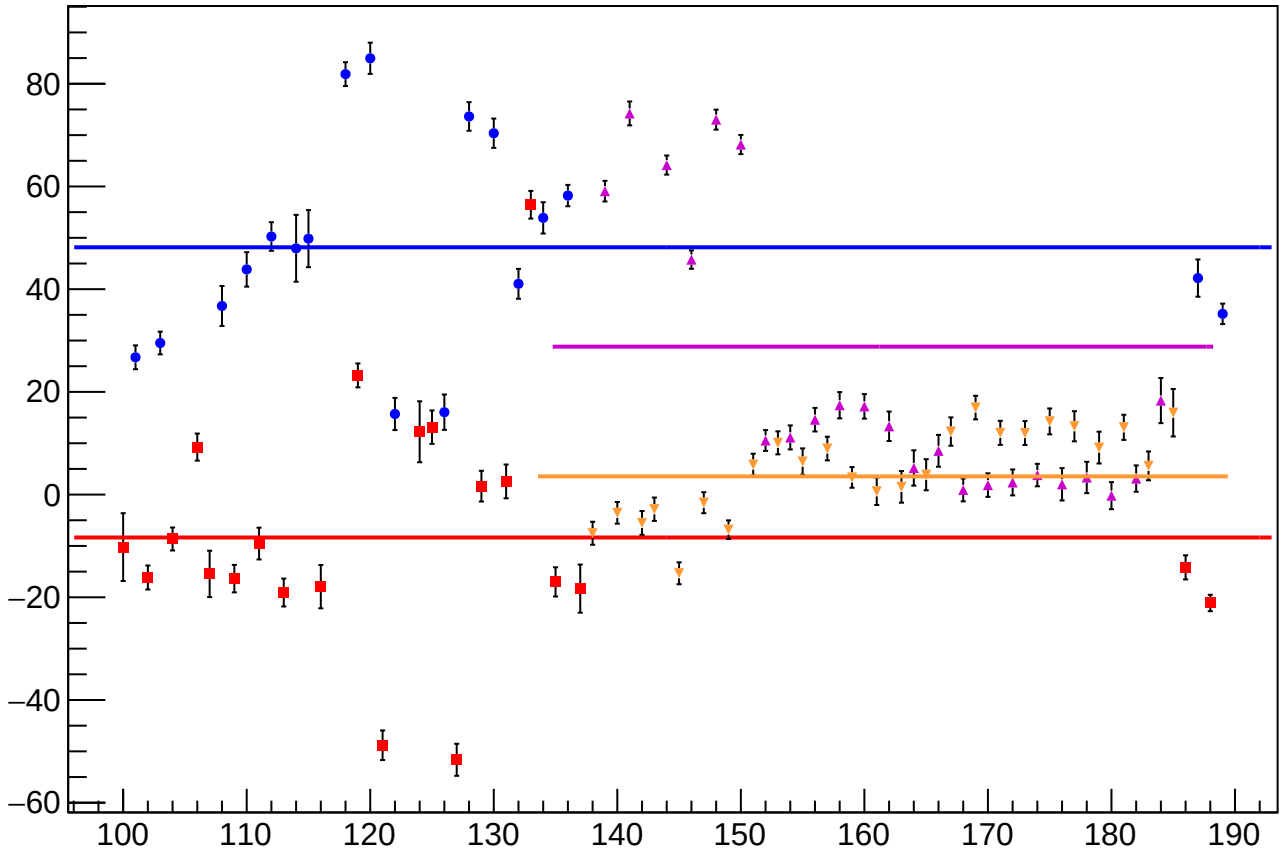
Right Out: 2059.389+/-0.495 χ^2/NDF: 375877.1/20

Left In: 2265.257+/-0.378 χ^2/NDF:495816.5/22

+ sign 2225.045+/-0.304 χ^2/NDF: 936856.7/42

All: 2207.030+/-0.214 χ^2/NDF: 1924730.3/86

- sign 2189.437+/-0.300 χ^2/NDF: 980933.5/43



Right In: 48.158+/-0.667 χ^2/NDF: 940.9/17

Left Out: 3.544+/-0.480 χ^2/NDF:319.8/24

Right Out: -8.354+/-0.615 χ^2/NDF: 1398.8/20

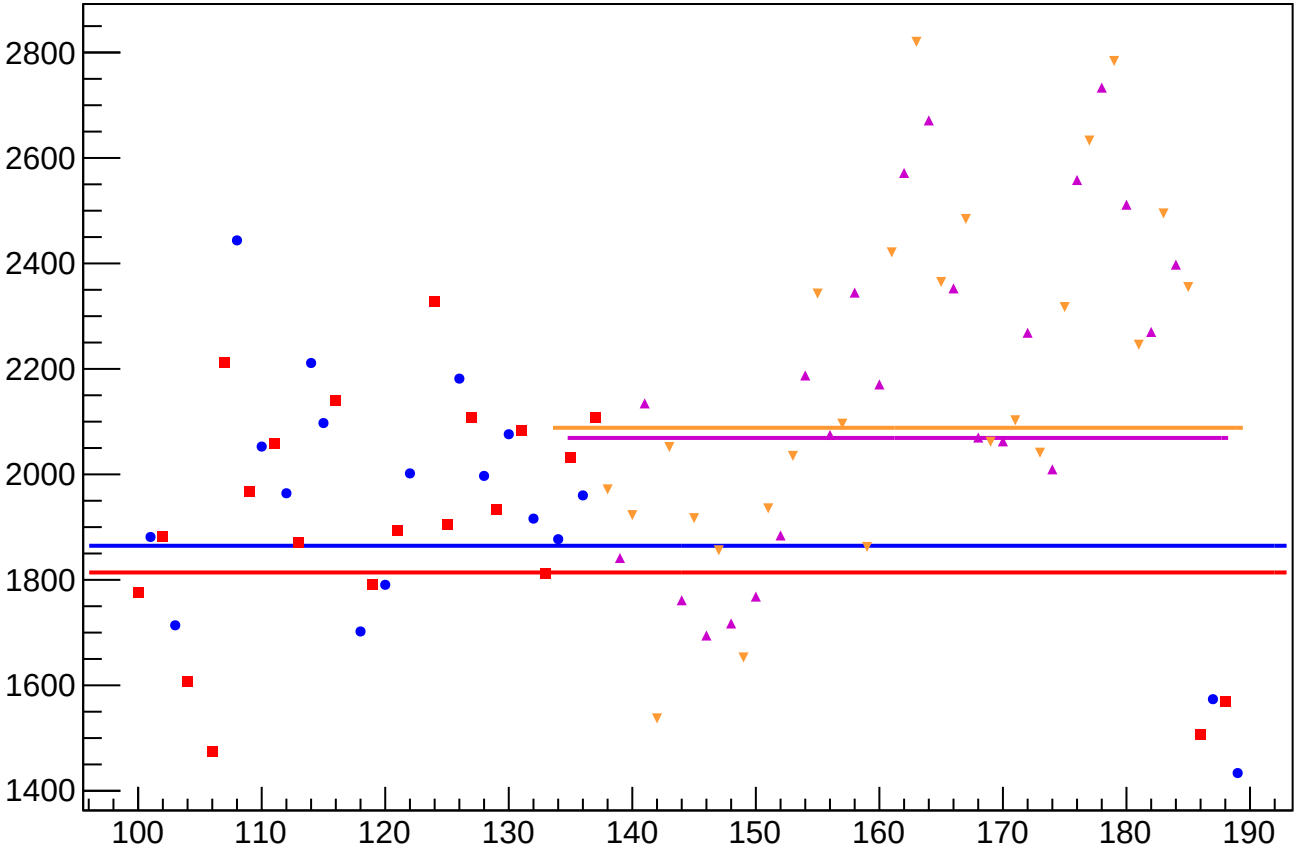
Left In: 28.804+/-0.491 χ^2/NDF:3262.5/22

+ sign 18.770+/-0.390 χ^2/NDF: 4205.6/42

All: 16.517+/-0.273 χ^2/NDF: 11164.2/86

- sign 14.335+/-0.384 χ^2/NDF: 6892.8/43

diff_bpm0i01aX_rms vs Slug



Right In: 1864.645+/-0.472 χ^2/NDF: 230481.9/17

Left Out: 2088.353+/-0.340 χ^2/NDF:787429.8/24

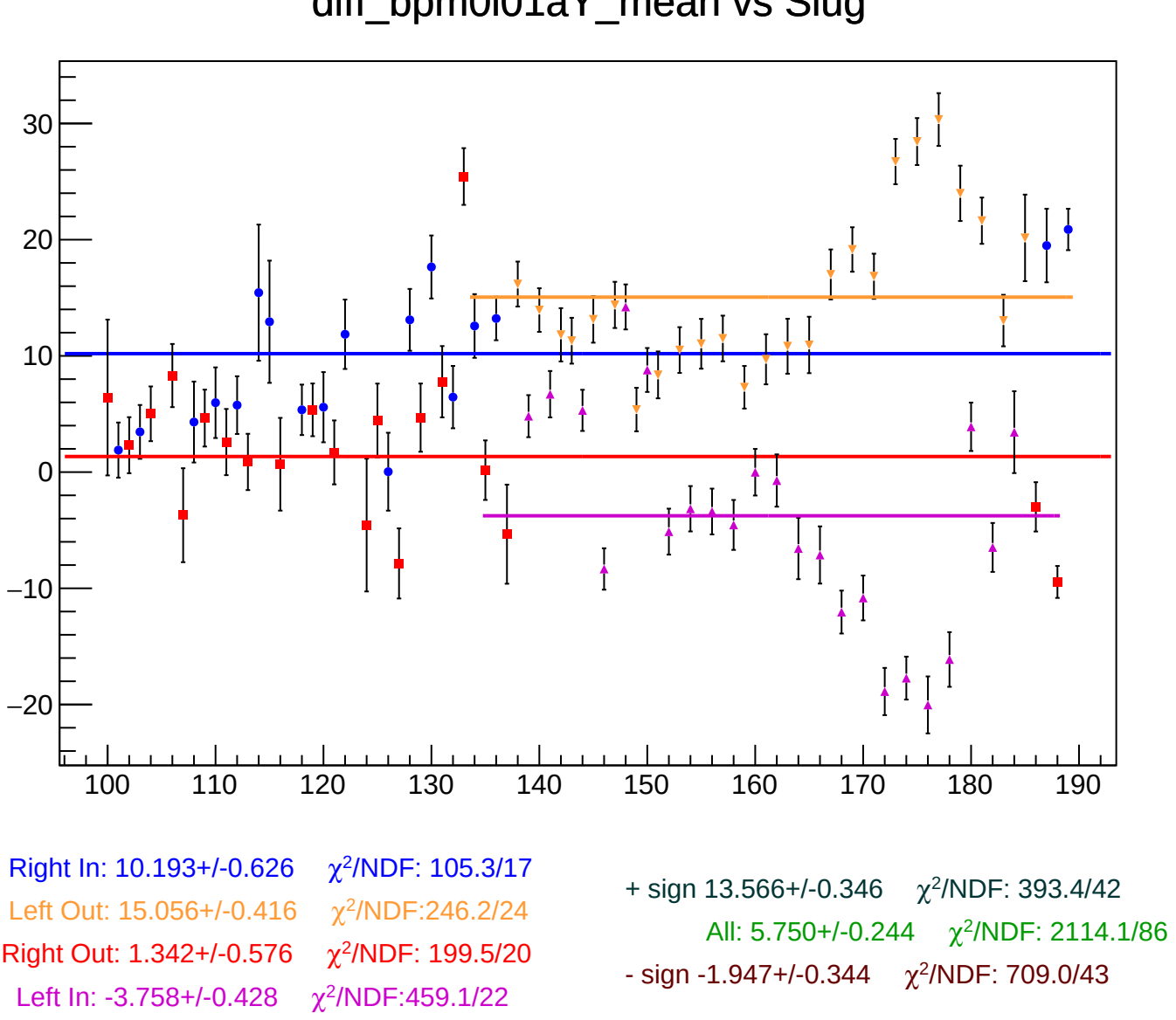
Right Out: 1814.004+/-0.435 χ^2/NDF: 253030.5/20

Left In: 2069.116+/-0.347 χ^2/NDF:711501.5/22

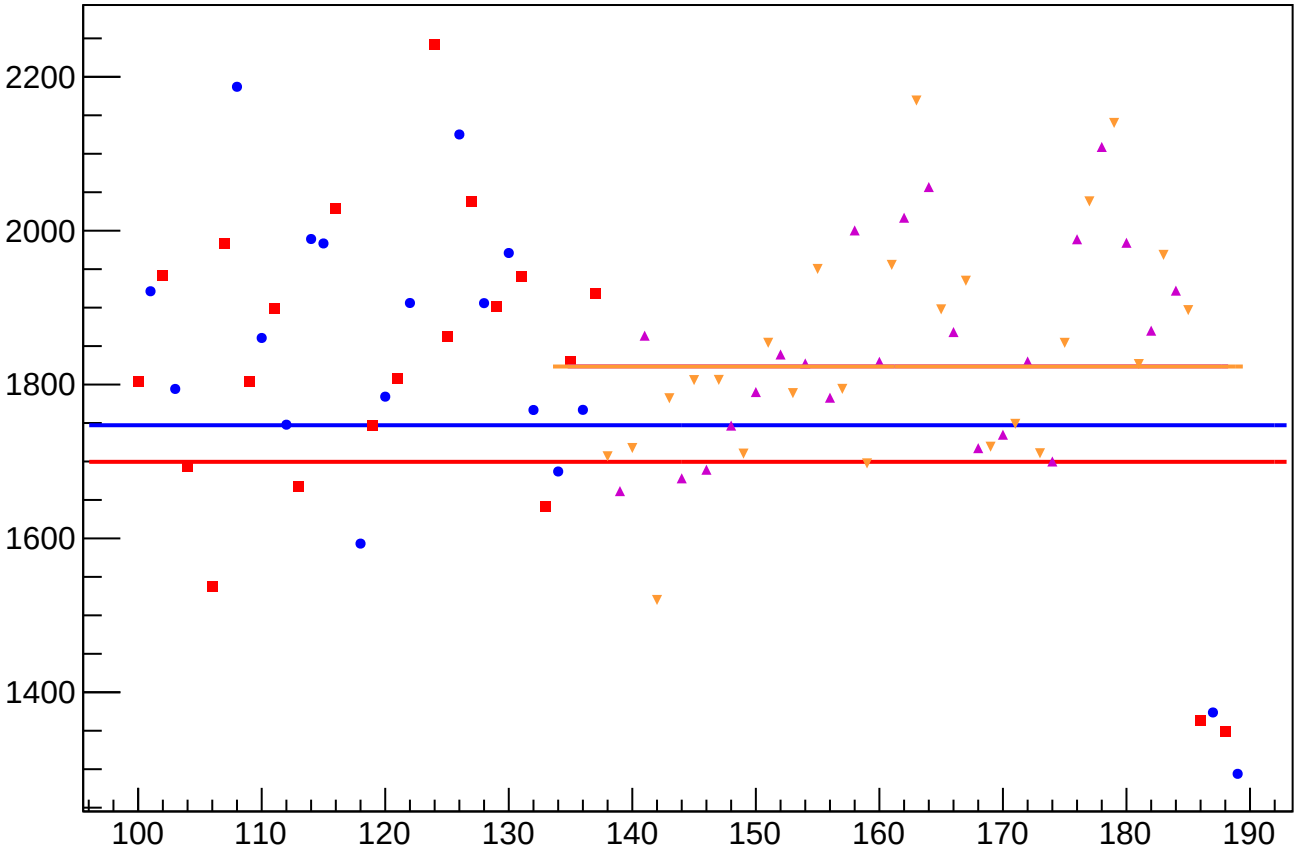
+ sign 2012.008+/-0.276 χ^2/NDF: 1165997.5/42

All: 1990.552+/-0.193 χ^2/NDF: 2352816.8/86

- sign 1969.778+/-0.271 χ^2/NDF: 1174893.0/43


diff_bpm0i01aY_mean vs Slug
30
20
10
0
−10
−20
100
110
120
130
140
150
160
170
180
190
Right In: 10.193+/-0.626 χ²/NDF: 105.3/17
Left Out: 15.056+/-0.416 χ²/NDF:246.2/24
Right Out: 1.342+/-0.576 χ²/NDF: 199.5/20
Left In: -3.758+/-0.428 χ²/NDF:459.1/22
+ sign 13.566+/-0.346 χ²/NDF: 393.4/42
All: 5.750+/-0.244 χ²/NDF: 2114.1/86
- sign -1.947+/-0.344 χ²/NDF: 709.0/43

diff_bpm0i01aY_rms vs Slug



Right In: 1747.122+/-0.442 χ^2/NDF: 274721.7/17

Left Out: 1823.452+/-0.294 χ^2/NDF:211274.0/24

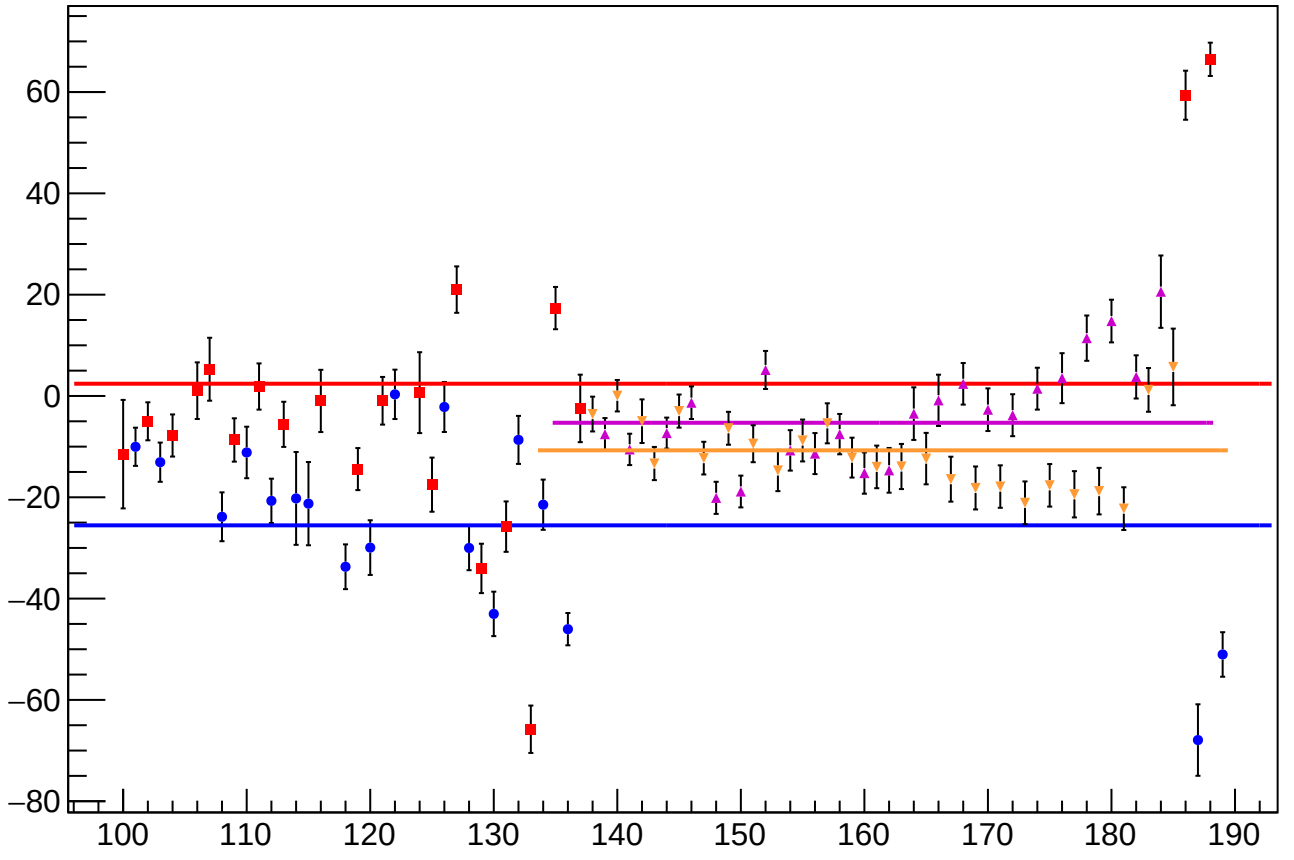
Right Out: 1699.554+/-0.408 χ^2/NDF: 330986.3/20

Left In: 1823.627+/-0.303 χ^2/NDF:163768.2/22

+ sign 1800.070+/-0.245 χ^2/NDF: 506652.7/42

All: 1789.735+/-0.172 χ^2/NDF: 1064689.8/86

- sign 1779.559+/-0.243 χ^2/NDF: 554500.0/43



Right In: -25.541+/-1.101 χ^2/NDF: 233.1/17

Left Out: -10.732+/-0.794 χ^2/NDF:73.8/24

Right Out: 2.419+/-1.043 χ^2/NDF: 901.4/20

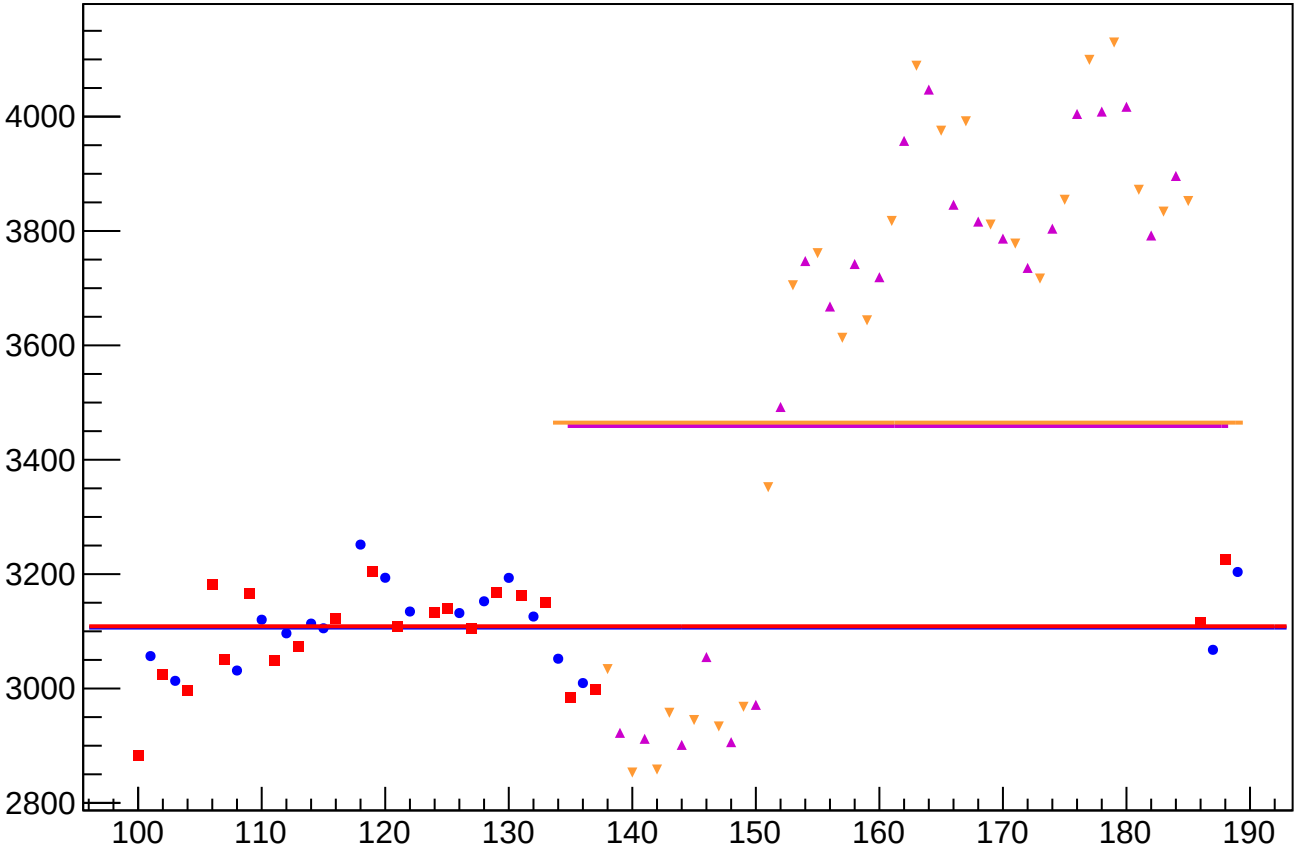
Left In: -5.291+/-0.814 χ^2/NDF:133.6/22

+ sign -15.799+/-0.644 χ^2/NDF: 426.0/42

All: -9.063+/-0.455 χ^2/NDF: 1713.2/86

- sign -2.370+/-0.642 χ^2/NDF: 1069.0/43

diff_bpm0l01X_rms vs Slug



Right In: 3106.577+/-0.778 χ^2/NDF: 8980.2/17

Left Out: 3464.906+/-0.561 χ^2/NDF:644023.5/24

Right Out: 3108.815+/-0.737 χ^2/NDF: 11426.6/20

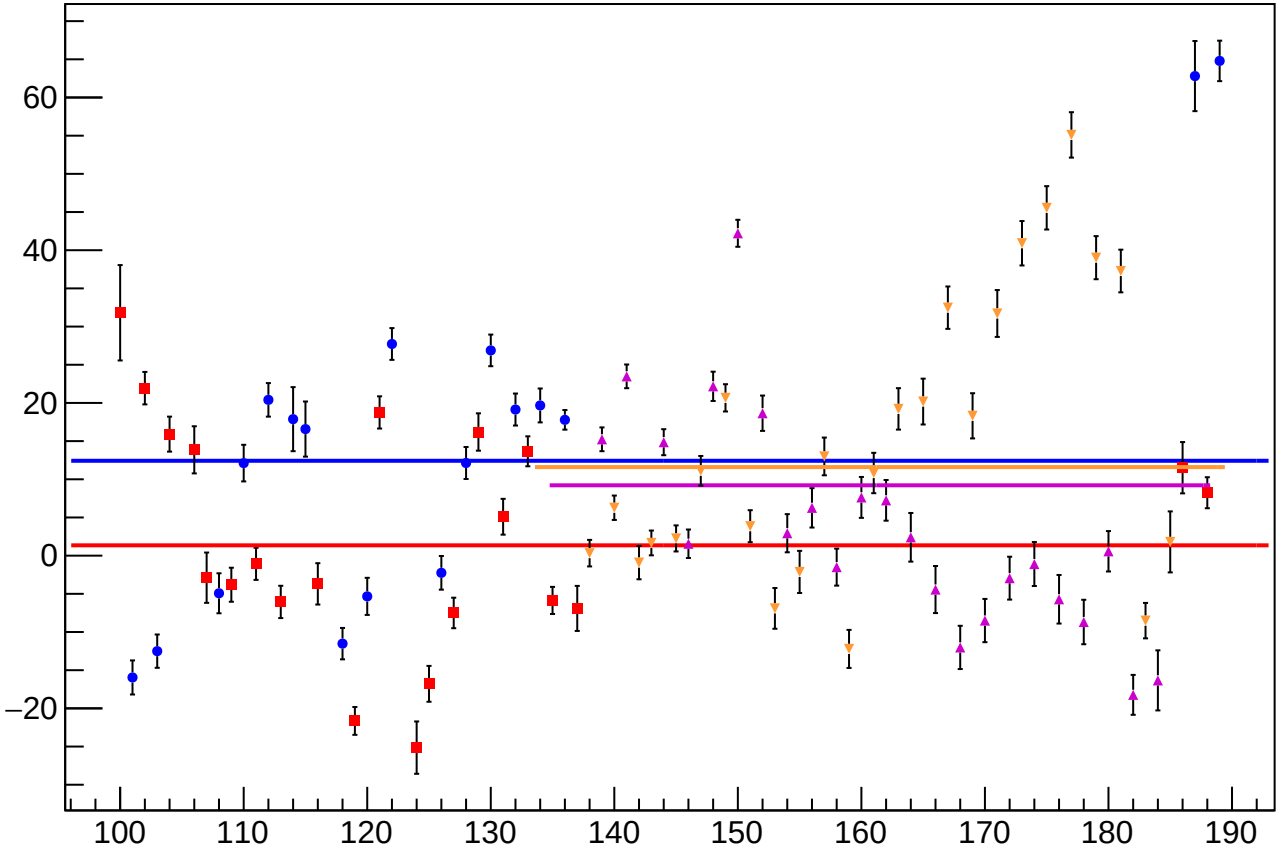
Left In: 3459.050+/-0.576 χ^2/NDF:583309.1/22

+ sign 3342.301+/-0.455 χ^2/NDF: 792442.3/42

All: 3334.300+/-0.321 χ^2/NDF: 1527973.1/86

- sign 3326.350+/-0.454 χ^2/NDF: 734915.0/43

diff_bpm0l01Y_mean vs Slug



Right In: 12.425+/-0.527 χ^2/NDF: 1237.9/17

Left Out: 11.599+/-0.463 χ^2/NDF:1196.9/24

Right Out: 1.353+/-0.511 χ^2/NDF: 688.4/20

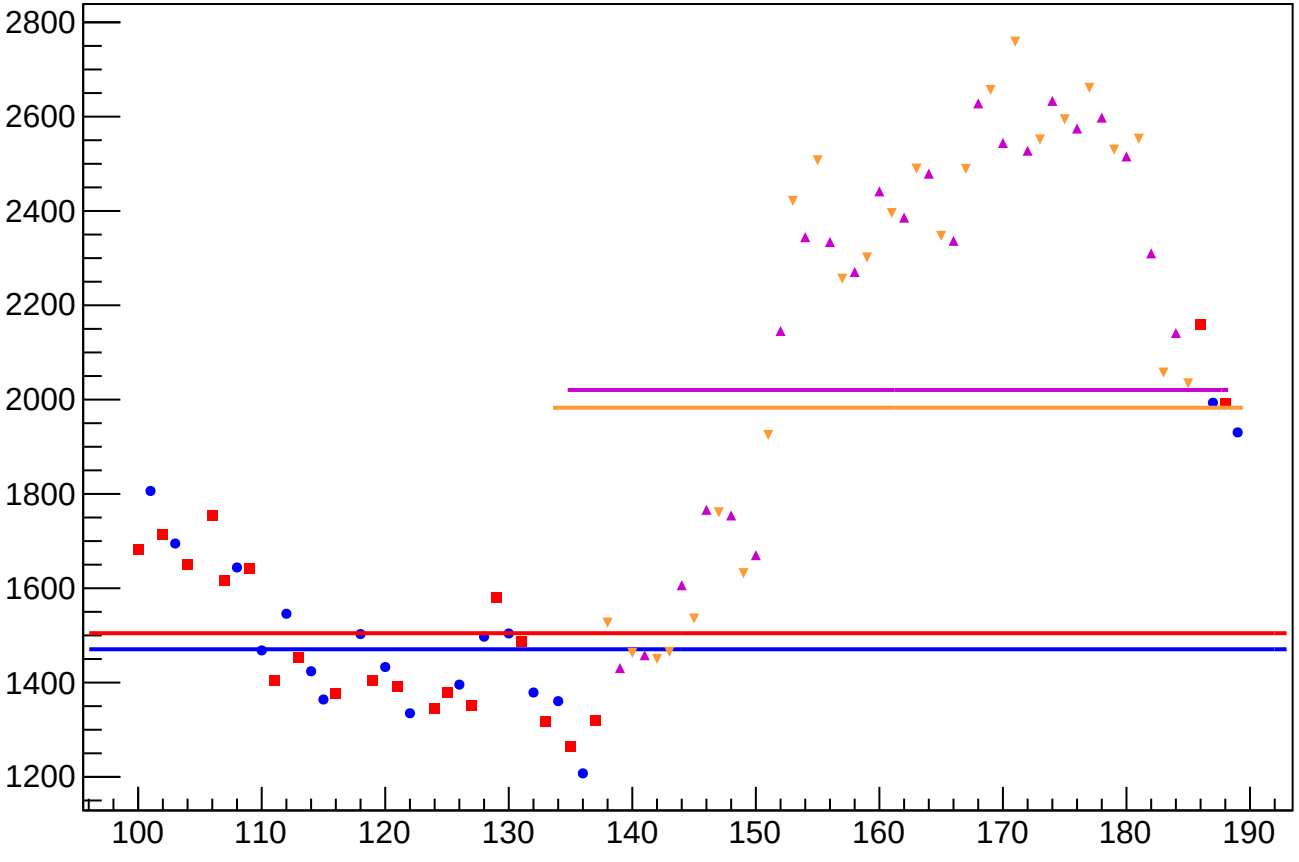
Left In: 9.213+/-0.484 χ^2/NDF:940.6/22

\+ sign 11.959+/-0.348 χ^2/NDF: 2436.3/42

All: 8.756+/-0.247 χ^2/NDF: 4361.1/86

\- sign 5.494+/-0.351 χ^2/NDF: 1753.9/43

diff_bpm0l01Y_rms vs Slug



Right In: 1470.635+/-0.373 χ^2/NDF: 271053.5/17

Left Out: 1982.871+/-0.328 χ^2/NDF:1977669.4/24

Right Out: 1504.713+/-0.361 χ^2/NDF: 351598.3/20

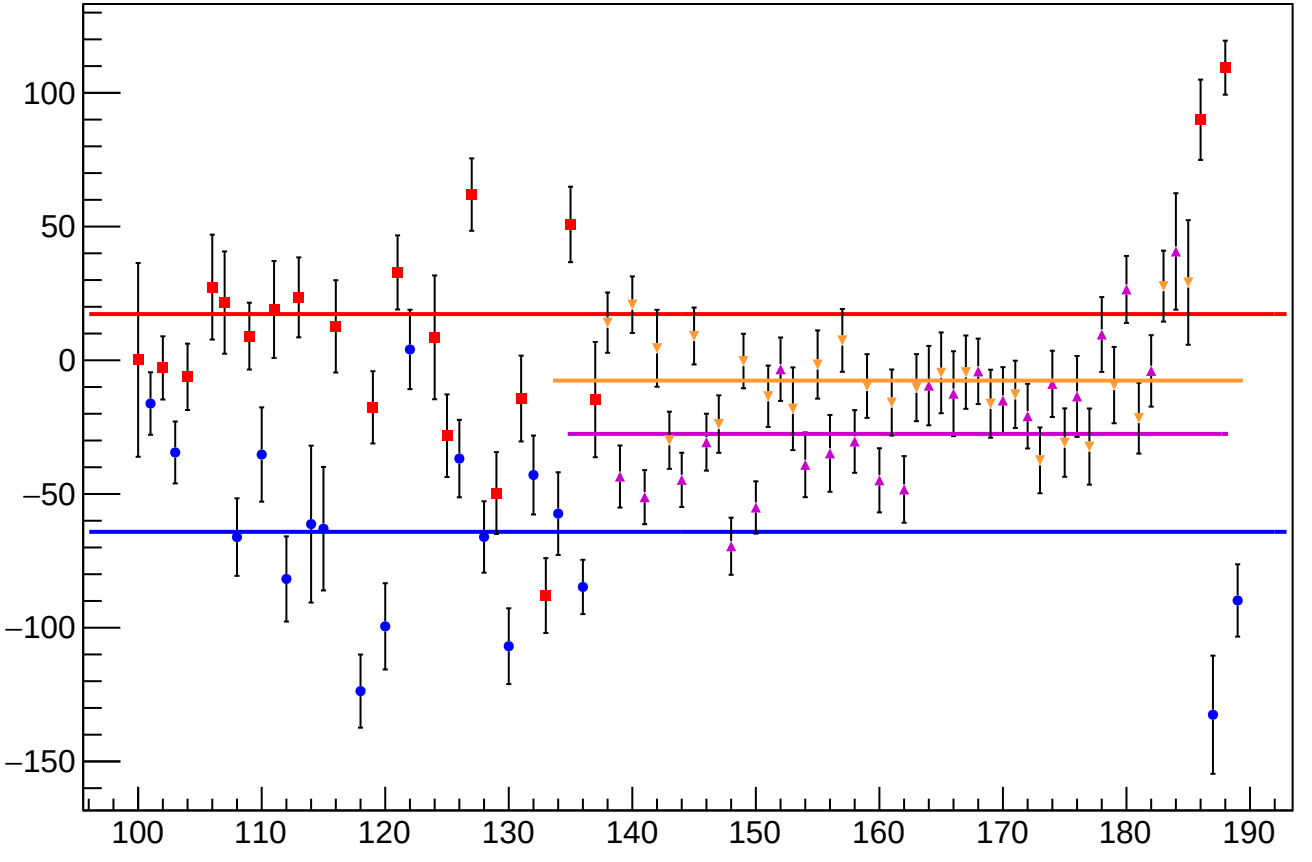
Left In: 2020.468+/-0.342 χ^2/NDF:1614691.2/22

+ sign 1759.432+/-0.246 χ^2/NDF: 3314626.5/42

All: 1767.863+/-0.175 χ^2/NDF: 6358621.8/86

- sign 1776.451+/-0.248 χ^2/NDF: 3041625.0/43

diff_bpm0l02X_mean vs Slug



Right In: -64.145+/-3.433 χ^2/NDF: 104.5/17

Left Out: -7.594+/-2.495 χ^2/NDF:47.9/24

Right Out: 17.274+/-3.263 χ^2/NDF: 229.3/20

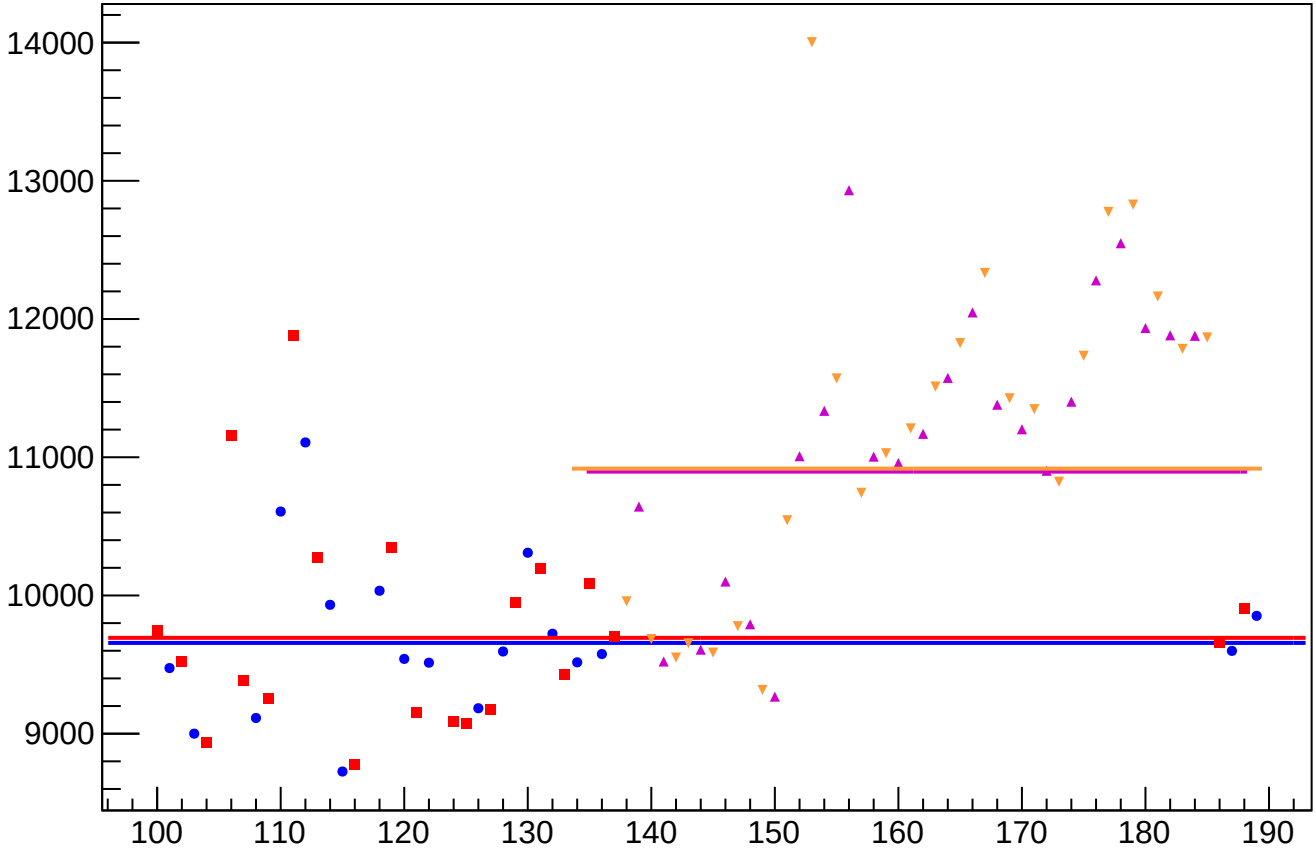
Left In: -27.528+/-2.556 χ^2/NDF:93.0/22

+ sign -27.139+/-2.018 χ^2/NDF: 330.0/42

All: -18.789+/-1.425 χ^2/NDF: 803.3/86

- sign -10.488+/-2.012 χ^2/NDF: 439.2/43

diff_bpm0l02X_rms vs Slug



Right In: 9656.719+/-2.428 χ^2/NDF: 44558.2/17

Left Out: 10917.711+/-1.764 χ^2/NDF:425841.1/24

Right Out: 9693.461+/-2.307 χ^2/NDF: 80879.9/20

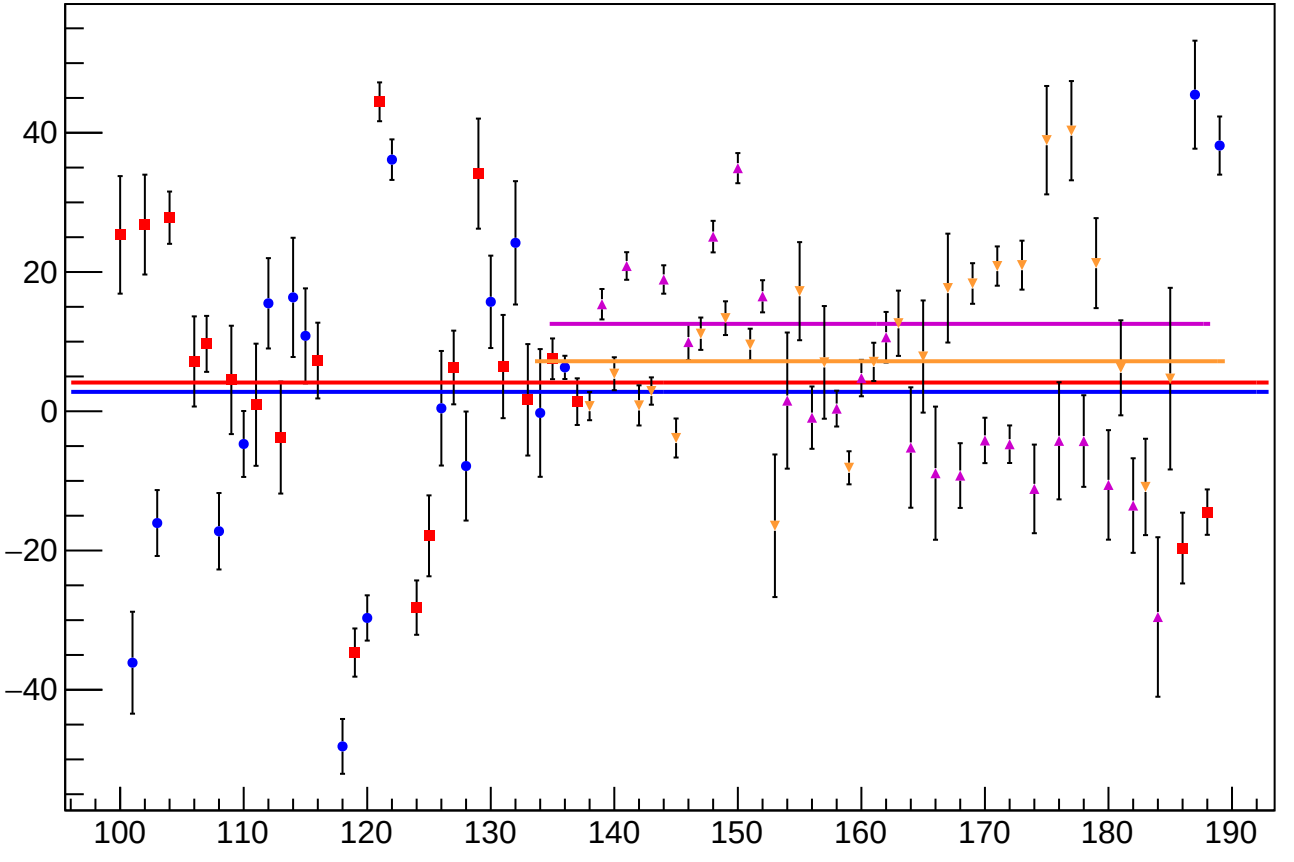
Left In: 10895.992+/-1.808 χ^2/NDF:298059.2/22

+ sign 10481.897+/-1.427 χ^2/NDF: 646957.2/42

All: 10460.206+/-1.008 χ^2/NDF: 1194659.7/8

- sign 10438.642+/-1.423 χ^2/NDF: 547241.9/43

diff_bpm0l02Y_mean vs Slug



Right In: 2.786+/-1.006 χ^2/NDF: 583.9/17

Left Out: 7.185+/-0.654 χ^2/NDF:201.7/24

Right Out: 4.127+/-1.000 χ^2/NDF: 548.3/20

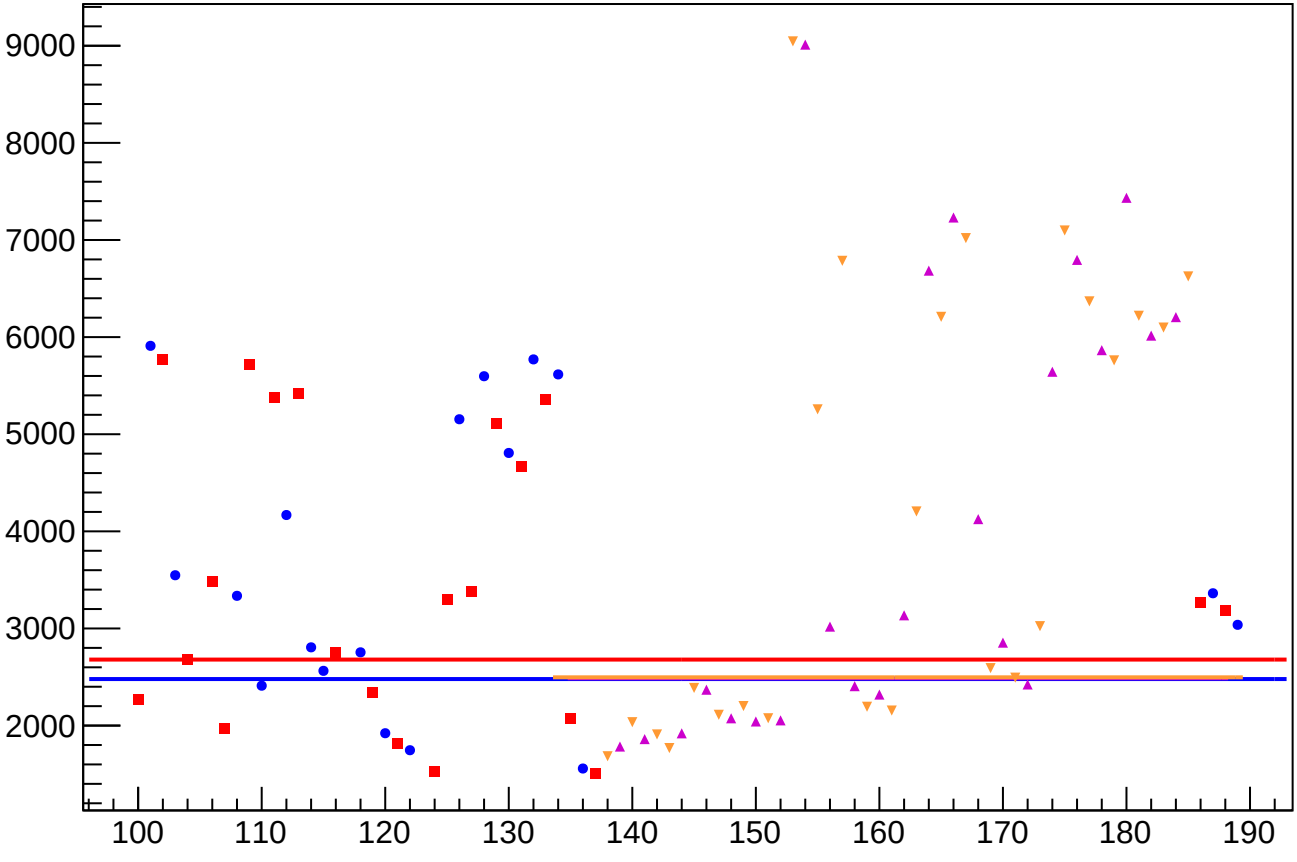
Left In: 12.553+/-0.661 χ^2/NDF:372.1/22

+ sign 5.878+/-0.548 χ^2/NDF: 799.1/42

All: 7.924+/-0.389 χ^2/NDF: 1797.0/86

- sign 9.993+/-0.551 χ^2/NDF: 969.9/43

diff_bpm0l02Y_rms vs Slug



Right In: 2479.110+/-0.711 χ^2/NDF: 2881794.8/17

Left Out: 2496.801+/-0.462 χ^2/NDF:7205827.8/24

Right Out: 2679.628+/-0.707 χ^2/NDF: 2601656.0/20

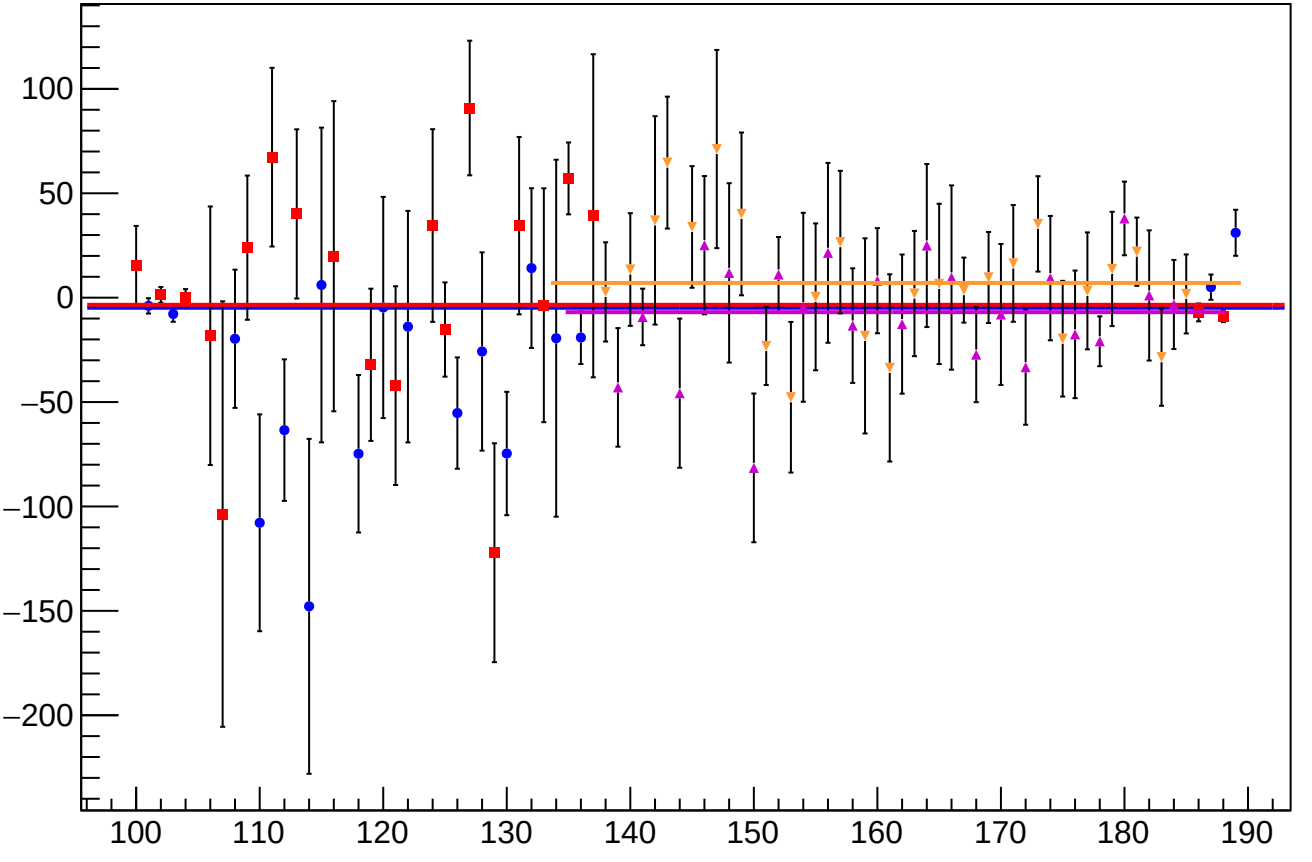
Left In: 2487.721+/-0.467 χ^2/NDF:6103466.5/22

+ sign 2491.546+/-0.388 χ^2/NDF: 10088057.8/42

All: 2518.634+/-0.275 χ^2/NDF: 18854302.8/8

- sign 2546.029+/-0.390 χ^2/NDF: 8756416.6/43

diff_bpm0l03X_mean vs Slug



Right In: -4.807+/-2.261 χ^2/NDF: 38.7/17

Left Out: 7.059+/-5.227 χ^2/NDF:19.6/24

Right Out: -3.416+/-1.753 χ^2/NDF: 42.8/20

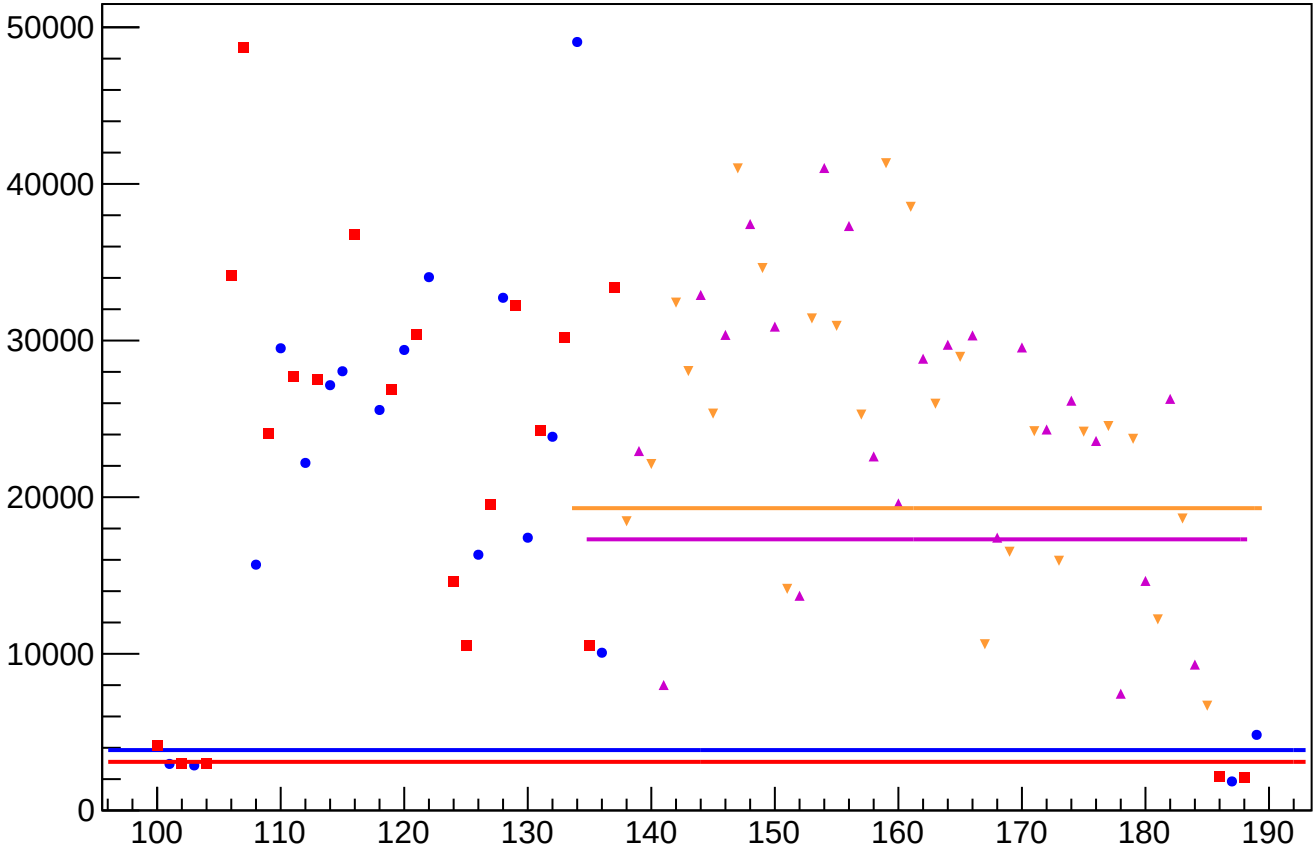
Left In: -6.944+/-5.090 χ^2/NDF:21.1/22

+ sign -2.937+/-2.075 χ^2/NDF: 62.6/42

All: -3.458+/-1.295 χ^2/NDF: 127.0/86

- sign -3.790+/-1.657 χ^2/NDF: 64.4/43

diff_bpm0l03X_rms vs Slug



Right In: 3854.513+/-1.599 χ^2/NDF: 7098355.5/17

Left Out: 19299.351+/-3.696 χ^2/NDF:5037014.9/24

Right Out: 3102.516+/-1.239 χ^2/NDF: 8429441.4/20

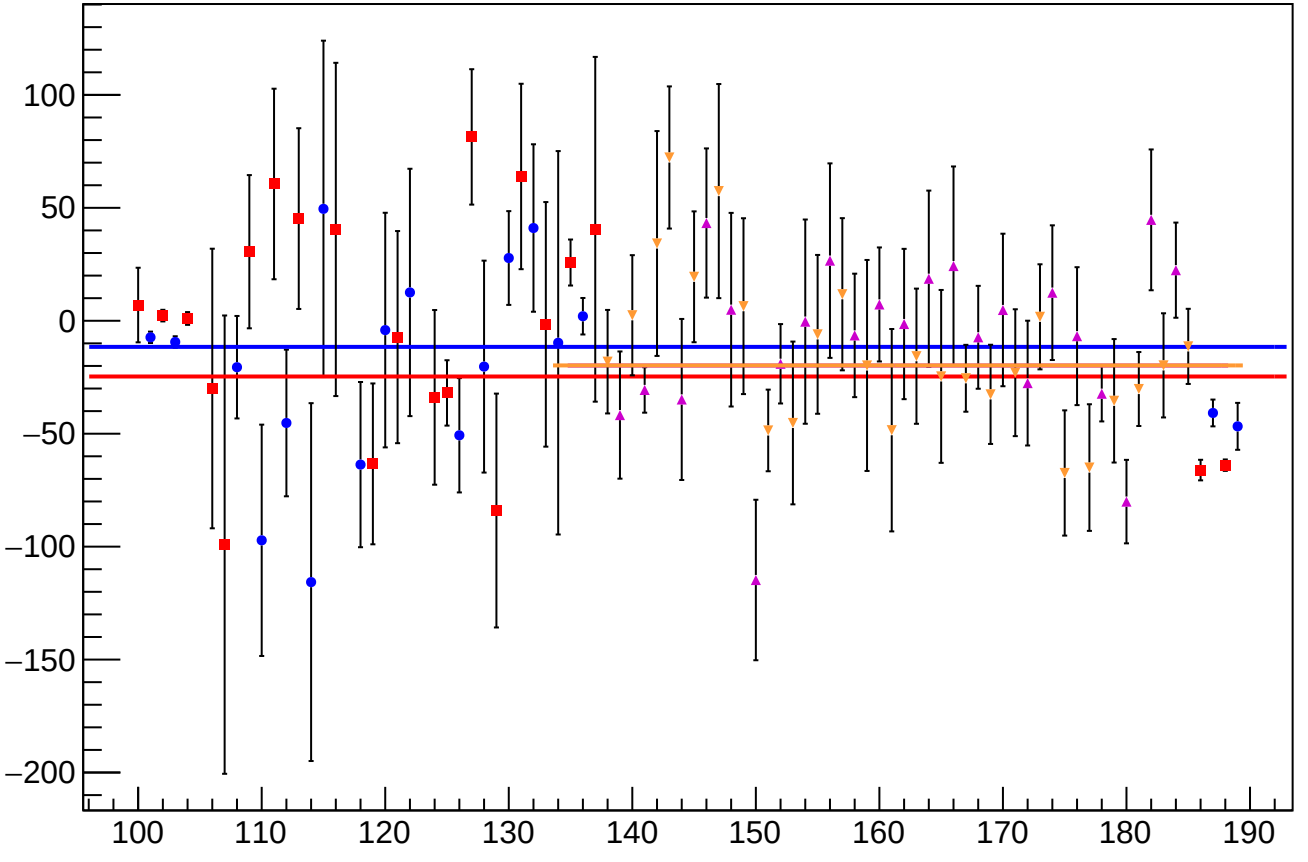
Left In: 17309.081+/-3.600 χ^2/NDF:6719993.9/22

+ sign 6288.477+/-1.467 χ^2/NDF: 26842664.0/42

All: 5262.252+/-0.916 χ^2/NDF: 56719623.0/8

- sign 4607.910+/-1.172 χ^2/NDF: 29075999.2/43

diff_bpm0l03Y_mean vs Slug



Right In: -11.559+/-1.632 χ^2/NDF: 58.9/17

Left Out: -19.769+/-5.117 χ^2/NDF:27.8/24

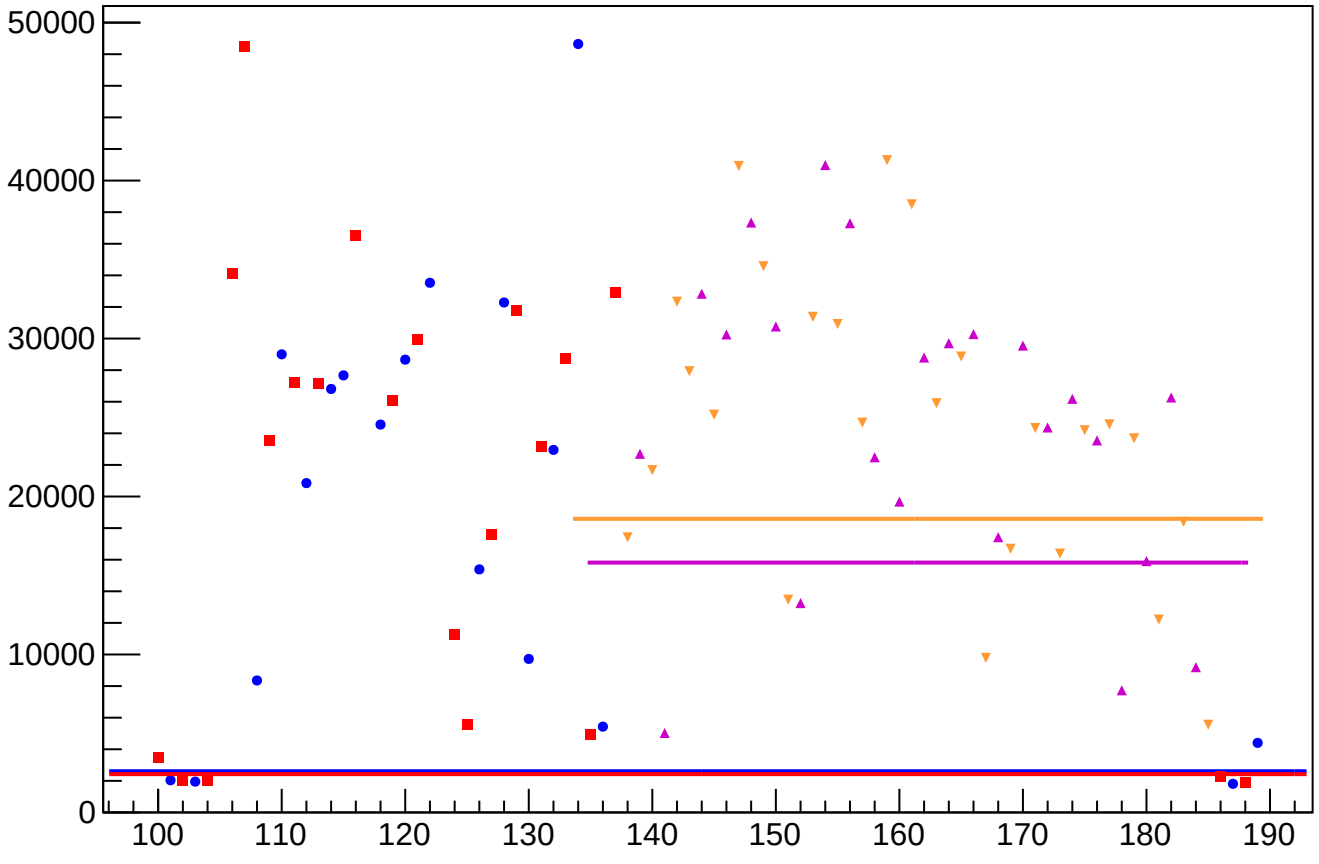
Right Out: -24.672+/-1.406 χ^2/NDF: 576.4/20

Left In: -19.822+/-4.846 χ^2/NDF:40.3/22

+ sign -12.317+/-1.555 χ^2/NDF: 89.0/42

All: -19.145+/-1.019 χ^2/NDF: 740.5/86

- sign -24.296+/-1.350 χ^2/NDF: 617.6/43



Right In: 2608.721+/-1.154 χ^2/NDF: 6876910.4/17

Left Out: 18589.195+/-3.618 χ^2/NDF:5698567.3/24

Right Out: 2424.965+/-0.994 χ^2/NDF: 8138081.6/20

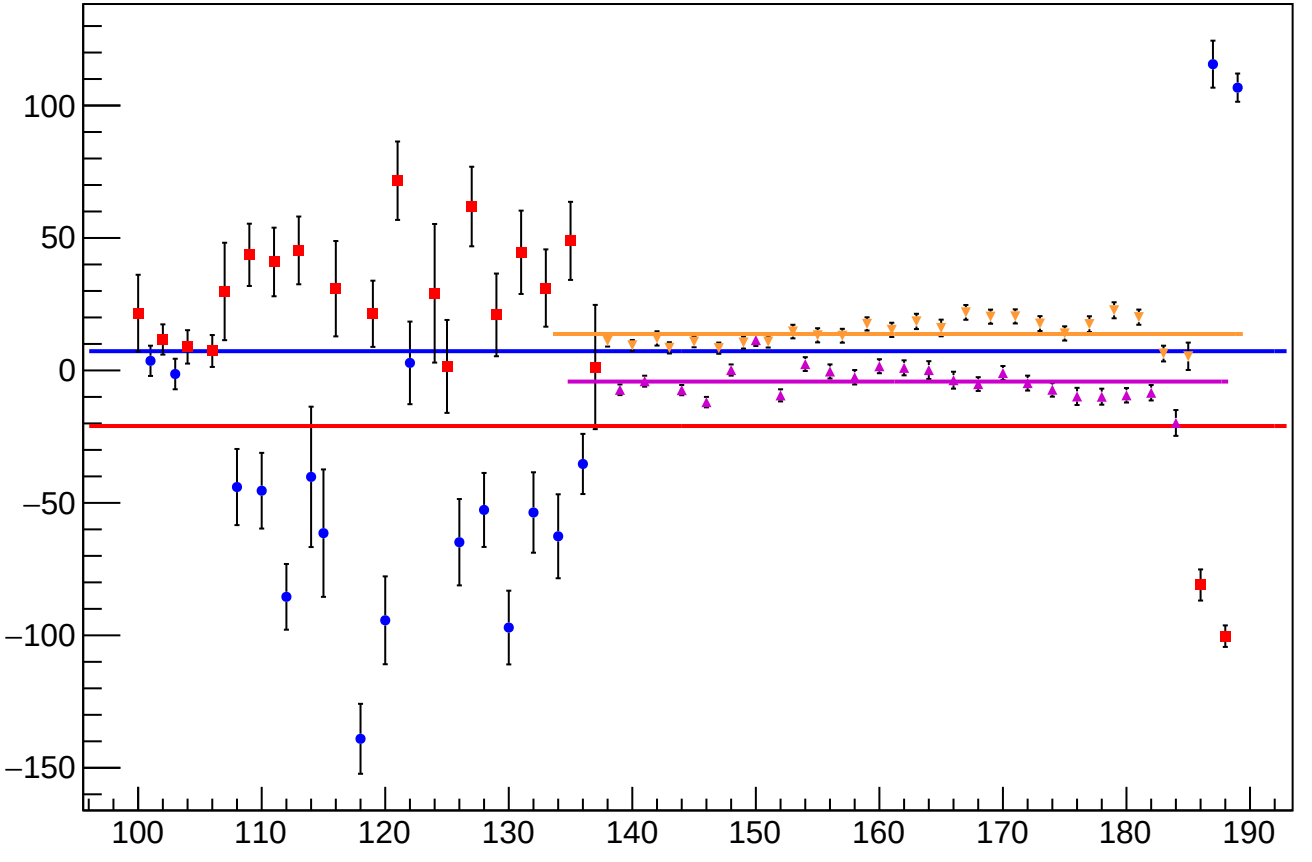
Left In: 15817.655+/-3.426 χ^2/NDF:8406830.8/22

+ sign 4083.945+/-1.099 χ^2/NDF: 30283156.2/42

All: 3731.058+/-0.721 χ^2/NDF: 61100821.2/8

- sign 3464.864+/-0.955 χ^2/NDF: 30636880.2/43

diff_bpm0l04X_mean vs Slug



Right In: 7.266+/-2.413 χ^2/NDF: 898.3/17

Left Out: 13.761+/-0.514 χ^2/NDF:77.2/24

Right Out: -20.983+/-2.031 χ^2/NDF: 814.3/20

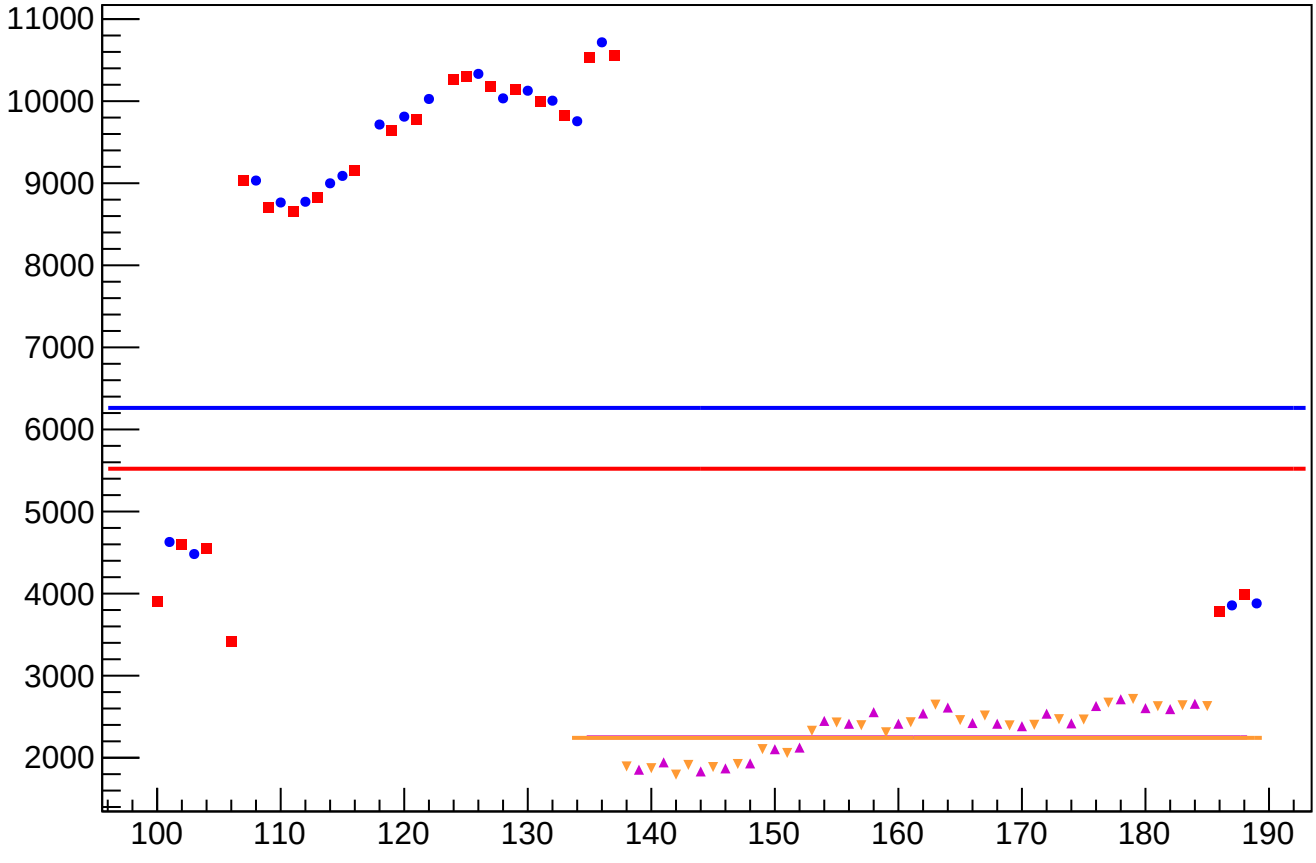
Left In: -4.202+/-0.530 χ^2/NDF:123.9/22

+ sign 13.479+/-0.503 χ^2/NDF: 982.5/42

All: 4.291+/-0.359 χ^2/NDF: 2666.4/86

- sign -5.272+/-0.513 χ^2/NDF: 1002.2/43

diff_bpm0l04X_rms vs Slug



Right In: 6262.489+/-1.706 χ^2/NDF: 2464949.1/17

Left Out: 2242.334+/-0.363 χ^2/NDF:657865.5/24

Right Out: 5521.499+/-1.436 χ^2/NDF: 3006373.3/20

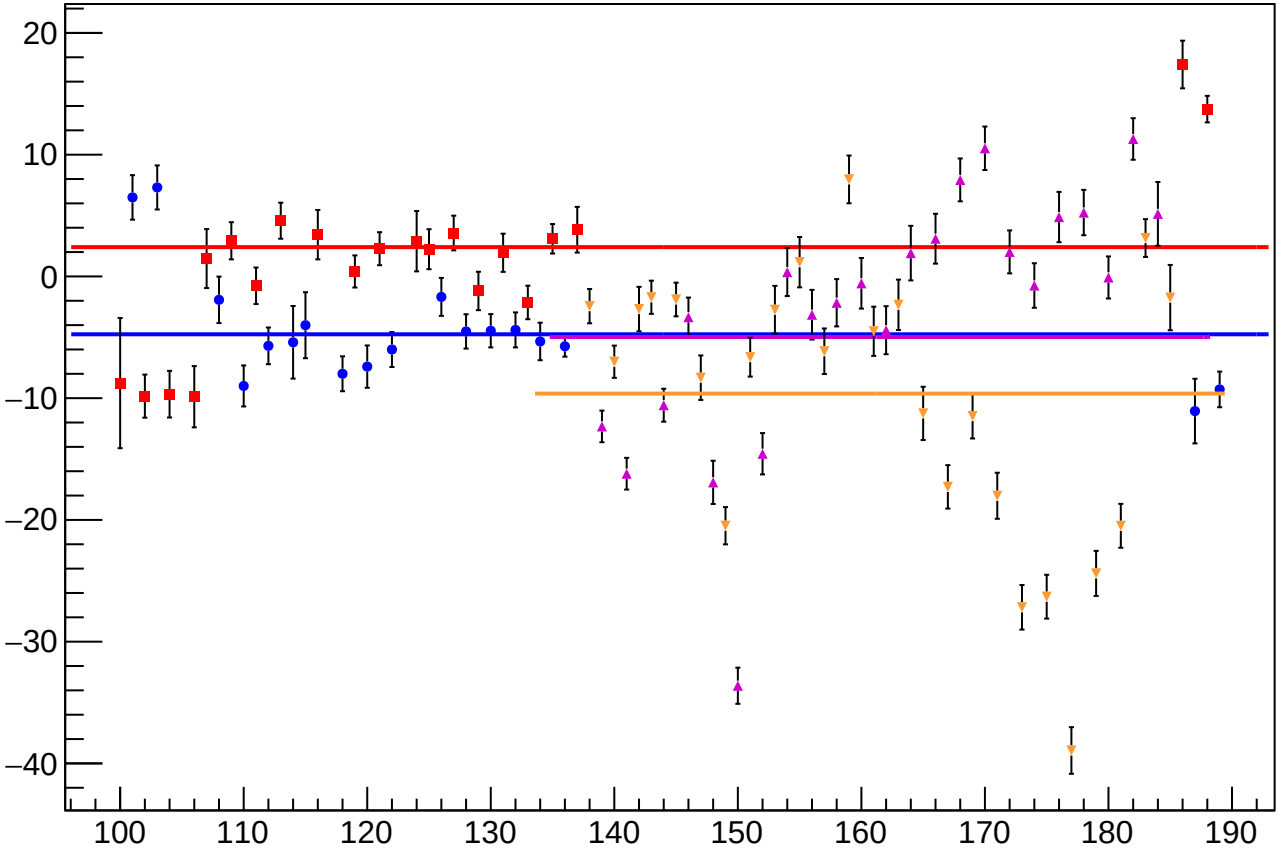
Left In: 2248.582+/-0.375 χ^2/NDF:642255.3/22

+ sign 2416.868+/-0.355 χ^2/NDF: 8434345.4/42

All: 2436.680+/-0.254 χ^2/NDF: 16951893.6/8

- sign 2457.301+/-0.363 χ^2/NDF: 8511209.2/43

diff_bpm0l04Y_mean vs Slug



Right In: -4.753+/-0.364 χ^2/NDF: 120.2/17

Left Out: -9.622+/-0.349 χ^2/NDF:934.3/24

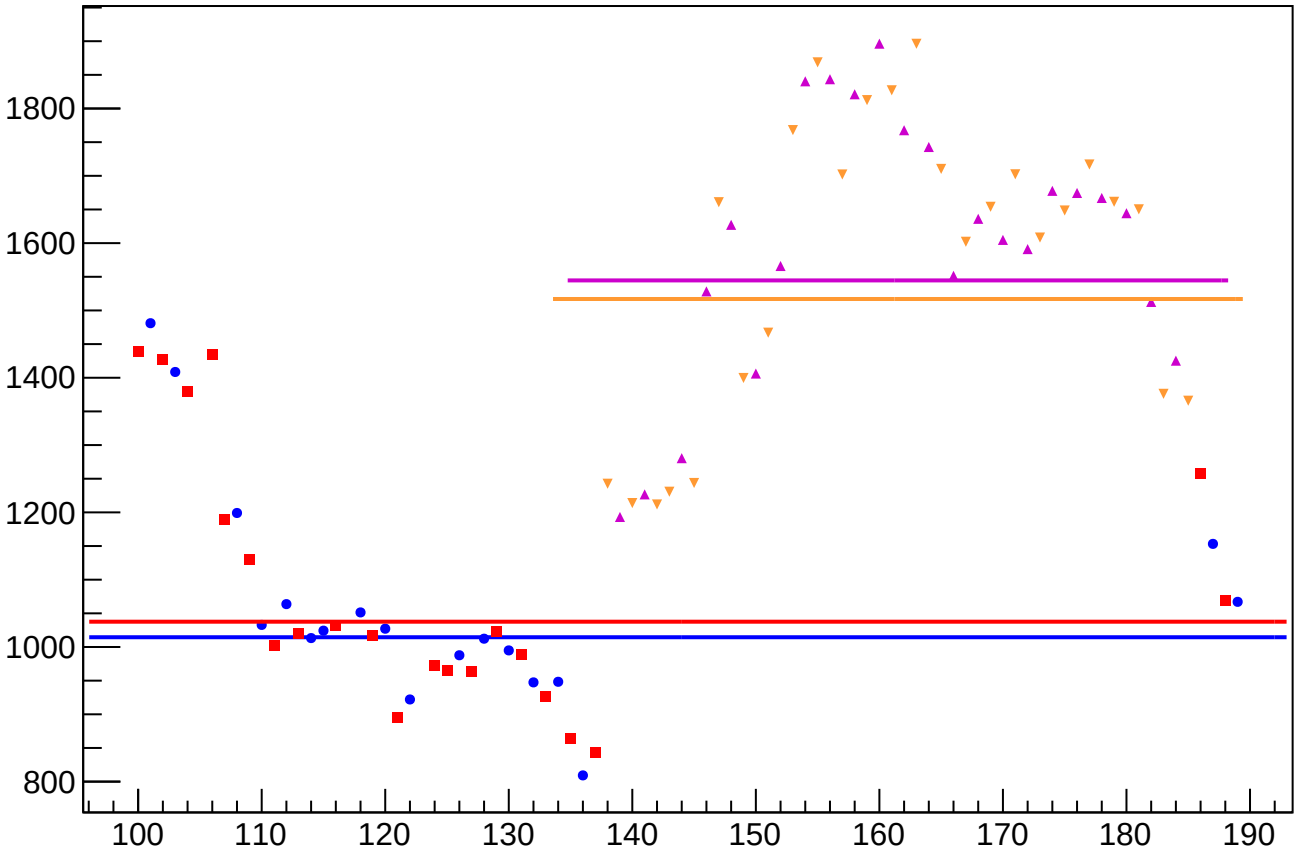
Right Out: 2.408+/-0.352 χ^2/NDF: 309.8/20

Left In: -4.974+/-0.365 χ^2/NDF:929.8/22

+ sign -7.290+/-0.252 χ^2/NDF: 1147.7/42

All: -4.236+/-0.179 χ^2/NDF: 2894.6/86

- sign -1.152+/-0.253 χ^2/NDF: 1451.8/43



Right In: 1014.492+/-0.257 χ^2/NDF: 387444.2/17

Left Out: 1517.008+/-0.247 χ^2/NDF:832983.9/24

Right Out: 1037.586+/-0.249 χ^2/NDF: 375117.0/20

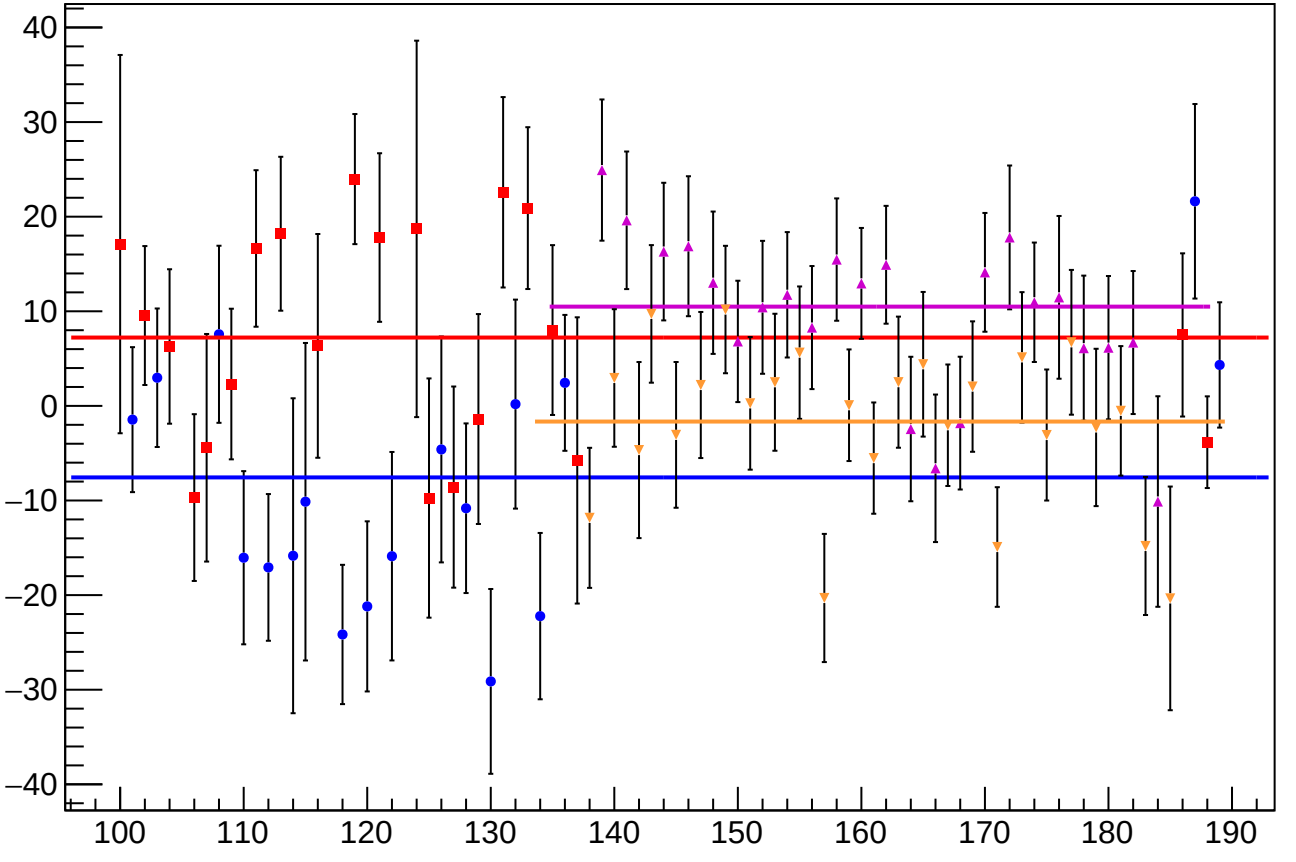
Left In: 1544.620+/-0.258 χ^2/NDF:638659.4/22

+ sign 1276.322+/-0.178 χ^2/NDF: 3205258.3/42

All: 1279.197+/-0.126 χ^2/NDF: 6222012.5/86

- sign 1282.100+/-0.179 χ^2/NDF: 3016231.0/43

diff_bpm0l05X_mean vs Slug



Right In: -7.560+/-2.110 χ^2/NDF: 37.5/17

Left Out: -1.655+/-1.426 χ^2/NDF:31.5/24

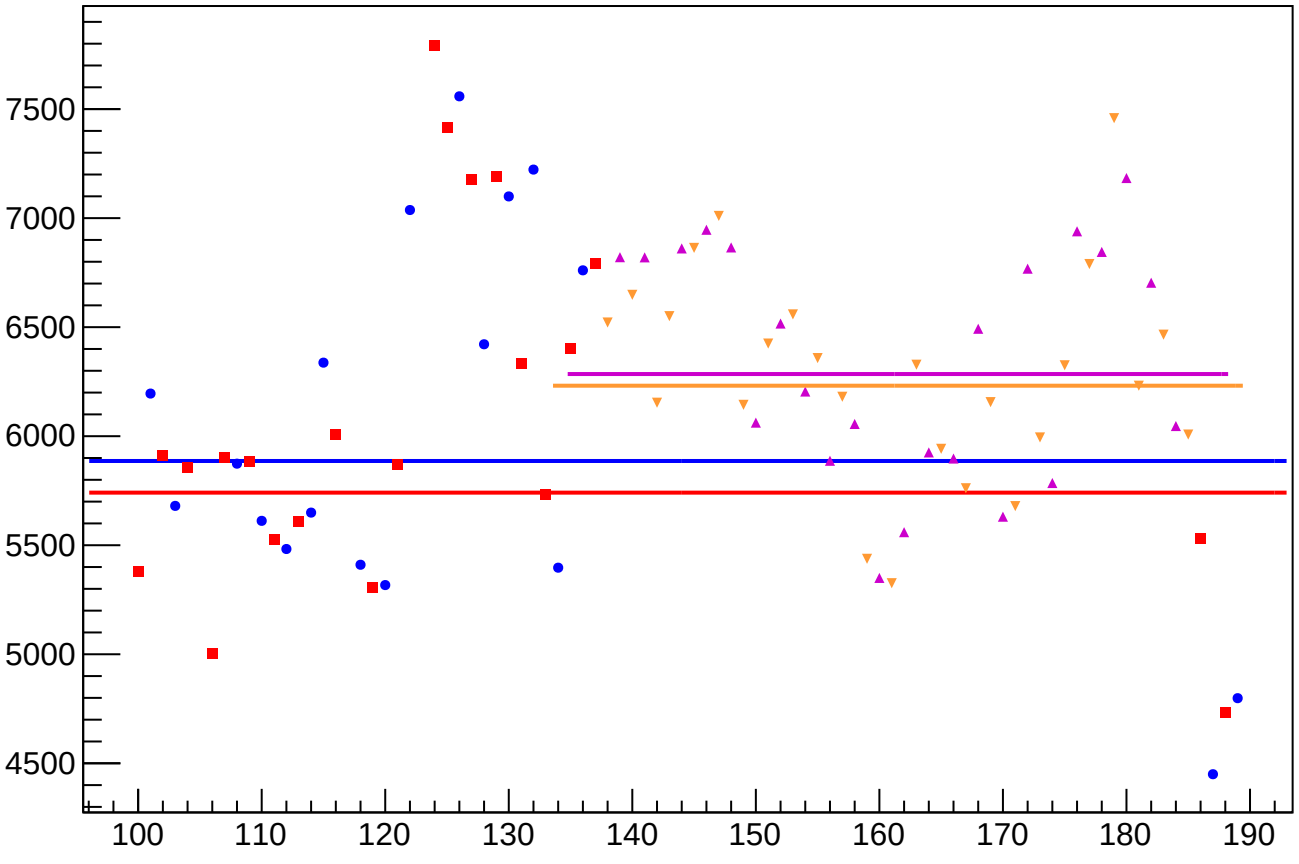
Right Out: 7.224+/-1.945 χ^2/NDF: 31.6/20

Left In: 10.492+/-1.480 χ^2/NDF:24.9/22

+ sign -3.507+/-1.182 χ^2/NDF: 74.3/42

All: 2.915+/-0.834 χ^2/NDF: 191.5/86

- sign 9.294+/-1.178 χ^2/NDF: 58.3/43



Right In: 5886.318+/-1.492 χ^2/NDF: 287424.0/17

Left Out: 6231.572+/-1.009 χ^2/NDF:226959.2/24

Right Out: 5741.187+/-1.375 χ^2/NDF: 270442.3/20

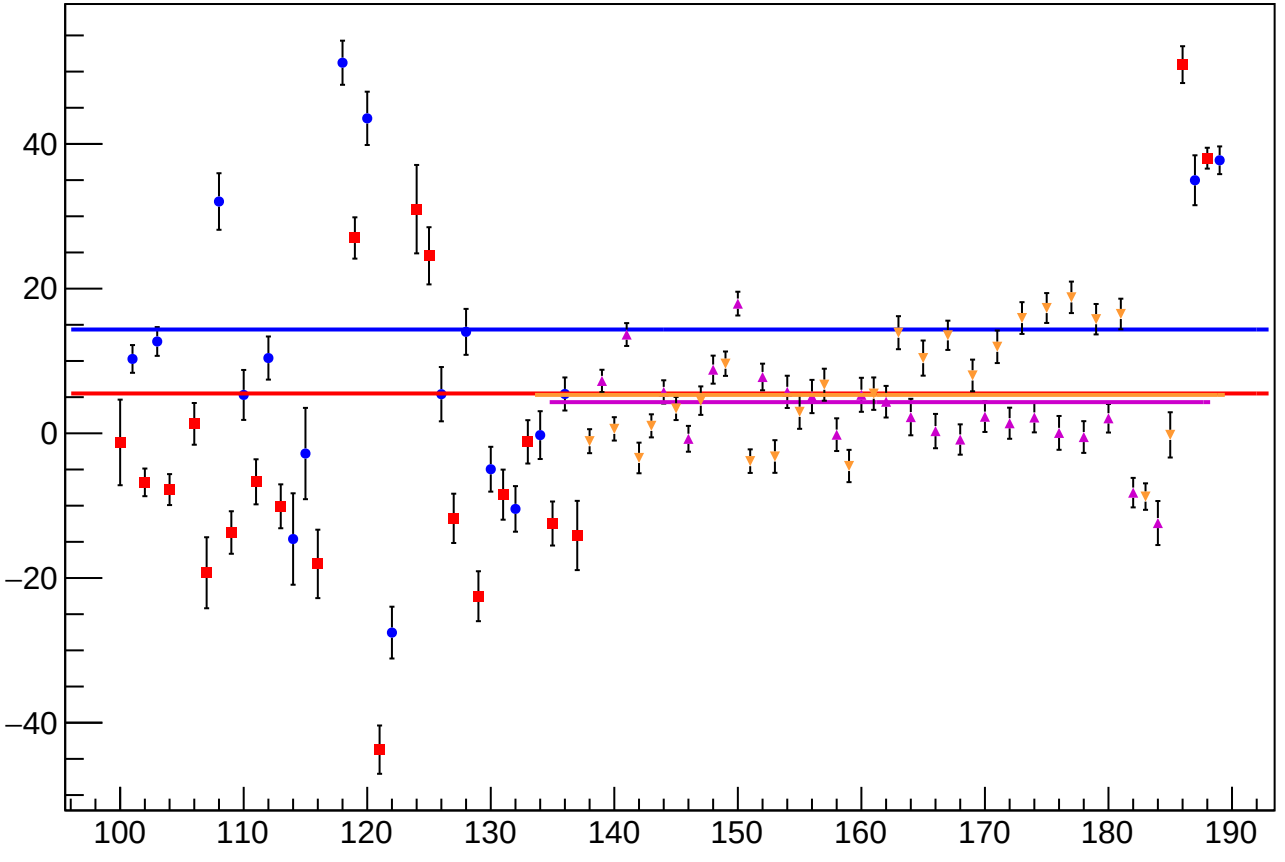
Left In: 6285.058+/-1.046 χ^2/NDF:265370.2/22

+ sign 6123.288+/-0.836 χ^2/NDF: 551138.0/42

All: 6104.413+/-0.590 χ^2/NDF: 1187021.5/86

- sign 6085.666+/-0.833 χ^2/NDF: 634866.4/43

diff_bpm0l05Y_mean vs Slug



Right In: 14.350+/-0.688 χ^2/NDF: 734.5/17

Left Out: 5.313+/-0.400 χ^2/NDF:378.1/24

Right Out: 5.508+/-0.631 χ^2/NDF: 1525.1/20

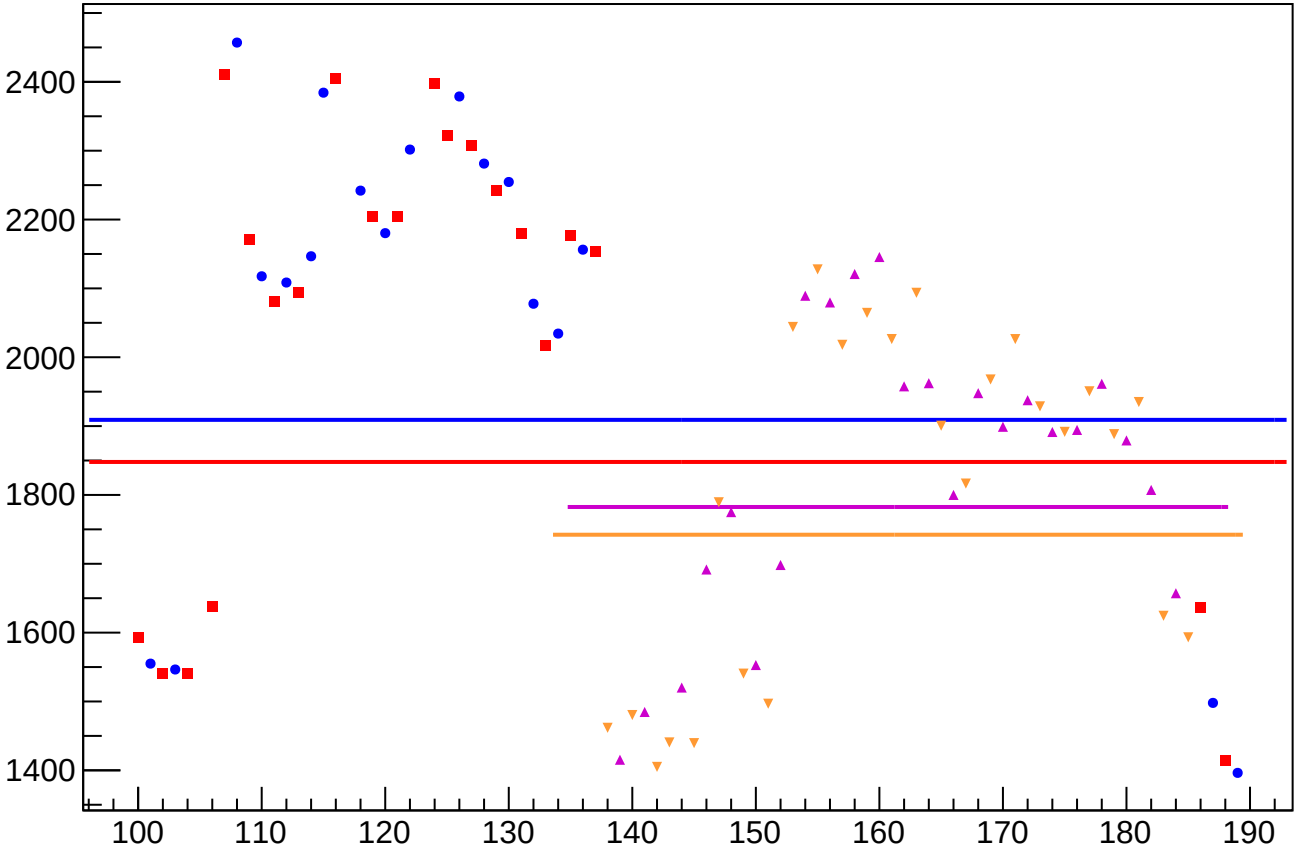
Left In: 4.310+/-0.420 χ^2/NDF:220.4/22

\+ sign 7.597+/-0.346 χ^2/NDF: 1241.4/42

All: 6.153+/-0.246 χ^2/NDF: 3024.7/86

\- sign 4.678+/-0.350 χ^2/NDF: 1748.0/43

diff_bpm0l05Y_rms vs Slug



Right In: 1909.055+/-0.487 χ^2/NDF: 550496.6/17

Left Out: 1742.217+/-0.283 χ^2/NDF:767663.9/24

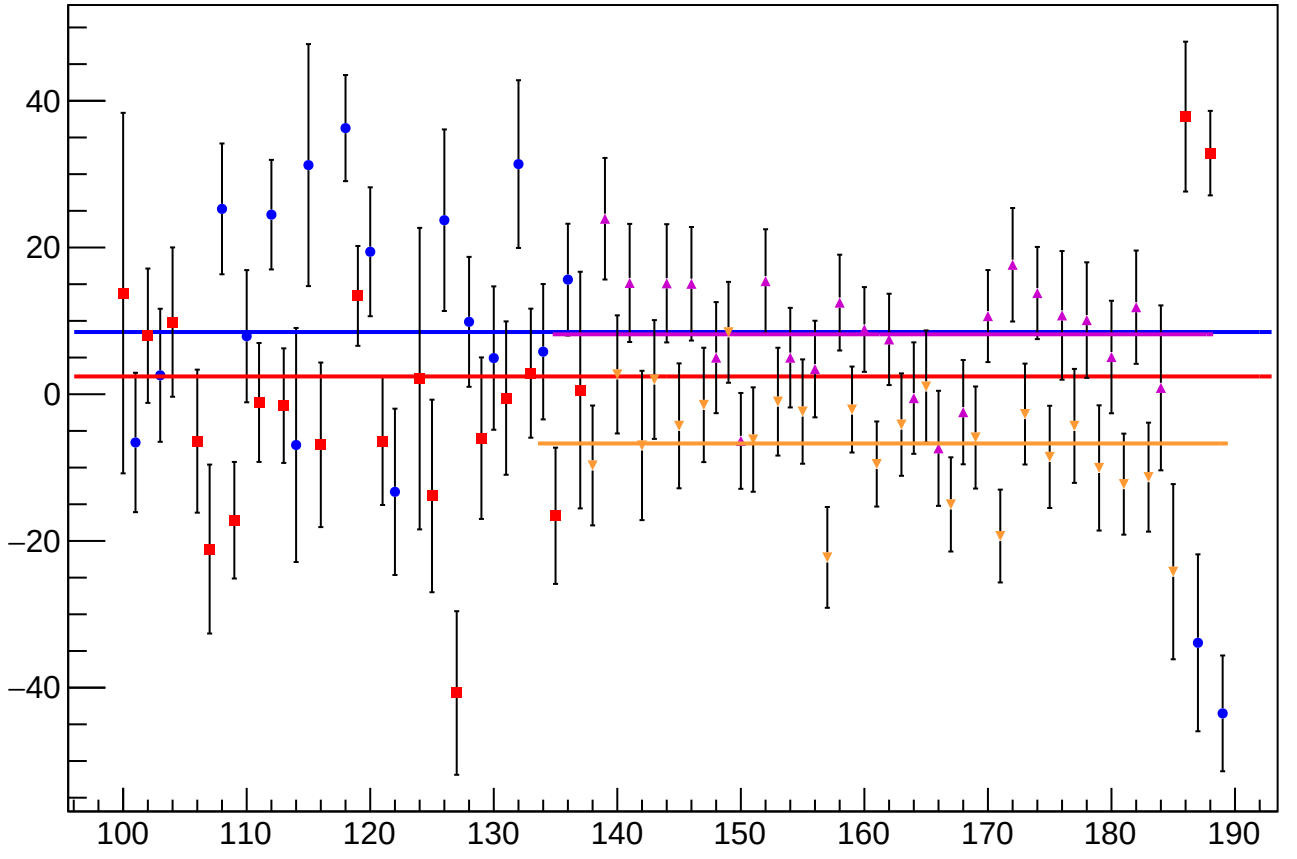
Right Out: 1847.906+/-0.446 χ^2/NDF: 622576.3/20

Left In: 1782.502+/-0.297 χ^2/NDF:534374.9/22

+ sign 1784.395+/-0.245 χ^2/NDF: 1405966.7/42

All: 1793.392+/-0.174 χ^2/NDF: 2580532.4/86

- sign 1802.580+/-0.247 χ^2/NDF: 1171833.5/43



Right In: 8.480+/-2.220 χ^2/NDF: 96.3/17

Left Out: -6.713+/-1.458 χ^2/NDF:25.7/24

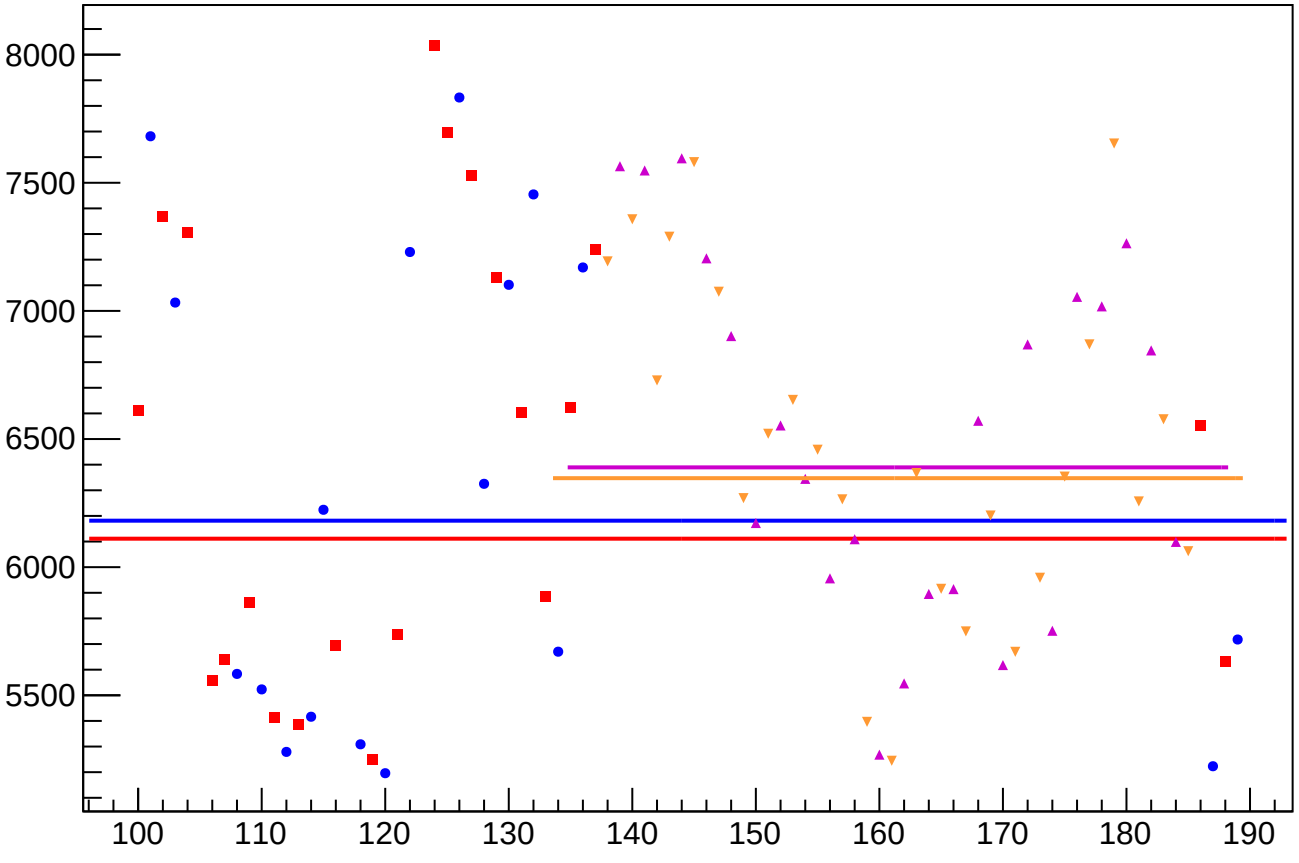
Right Out: 2.426+/-2.071 χ^2/NDF: 78.3/20

Left In: 8.171+/-1.510 χ^2/NDF:24.2/22

\+ sign -2.137+/-1.219 χ^2/NDF: 154.7/42

All: 2.015+/-0.862 χ^2/NDF: 285.4/86

\- sign 6.177+/-1.220 χ^2/NDF: 107.5/43



Right In: 6181.406+/-1.570 χ^2/NDF: 330328.2/17

Left Out: 6347.287+/-1.031 χ^2/NDF:386025.6/24

Right Out: 6111.140+/-1.464 χ^2/NDF: 283765.9/20

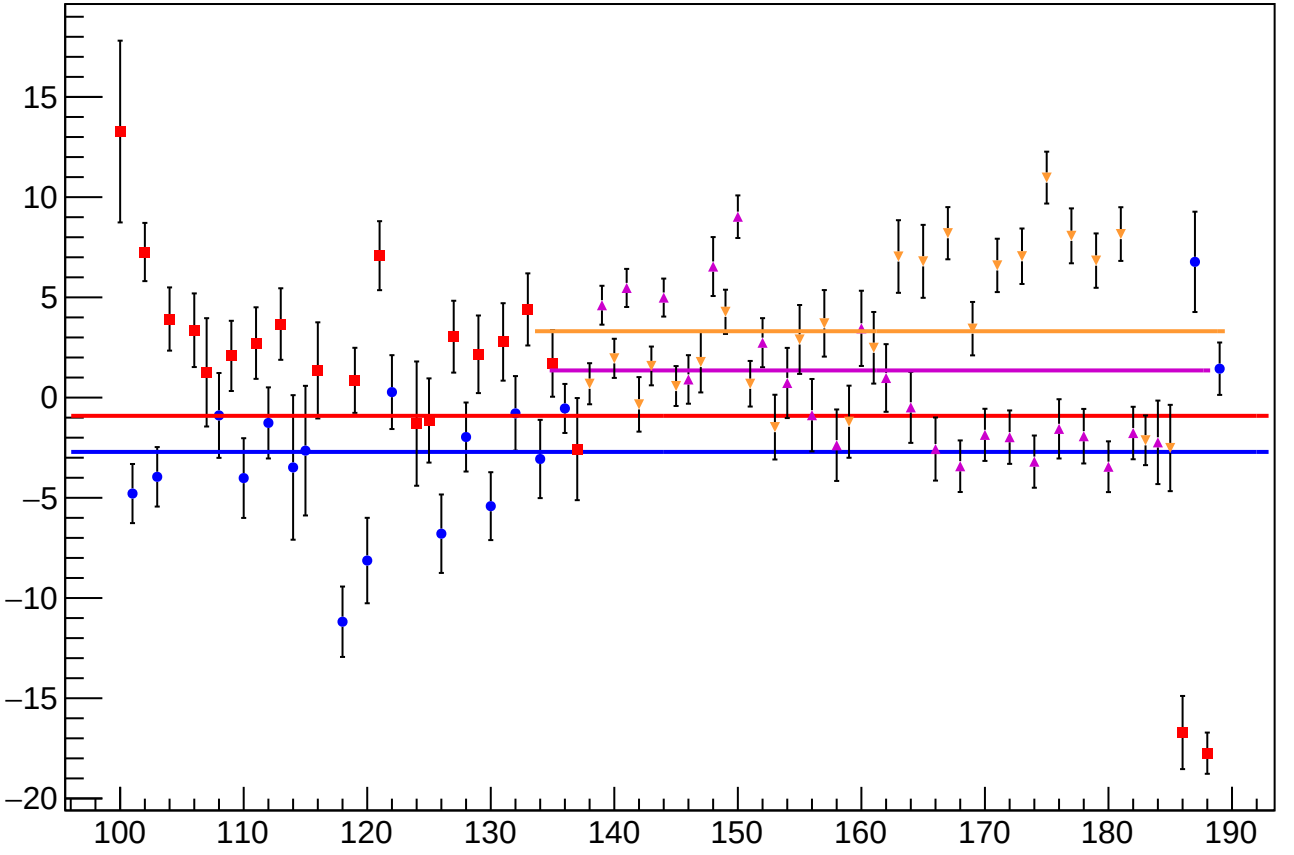
Left In: 6389.425+/-1.068 χ^2/NDF:419756.4/22

+ sign 6297.322+/-0.862 χ^2/NDF: 724154.2/42

All: 6295.083+/-0.610 χ^2/NDF: 1451267.8/86

- sign 6292.839+/-0.863 χ^2/NDF: 727100.1/43

diff_bpm0l06Y_mean vs Slug



Right In: -2.710+/-0.421 χ^2/NDF: 72.7/17

Left Out: 3.311+/-0.264 χ^2/NDF:177.9/24

Right Out: -0.910+/-0.394 χ^2/NDF: 459.6/20

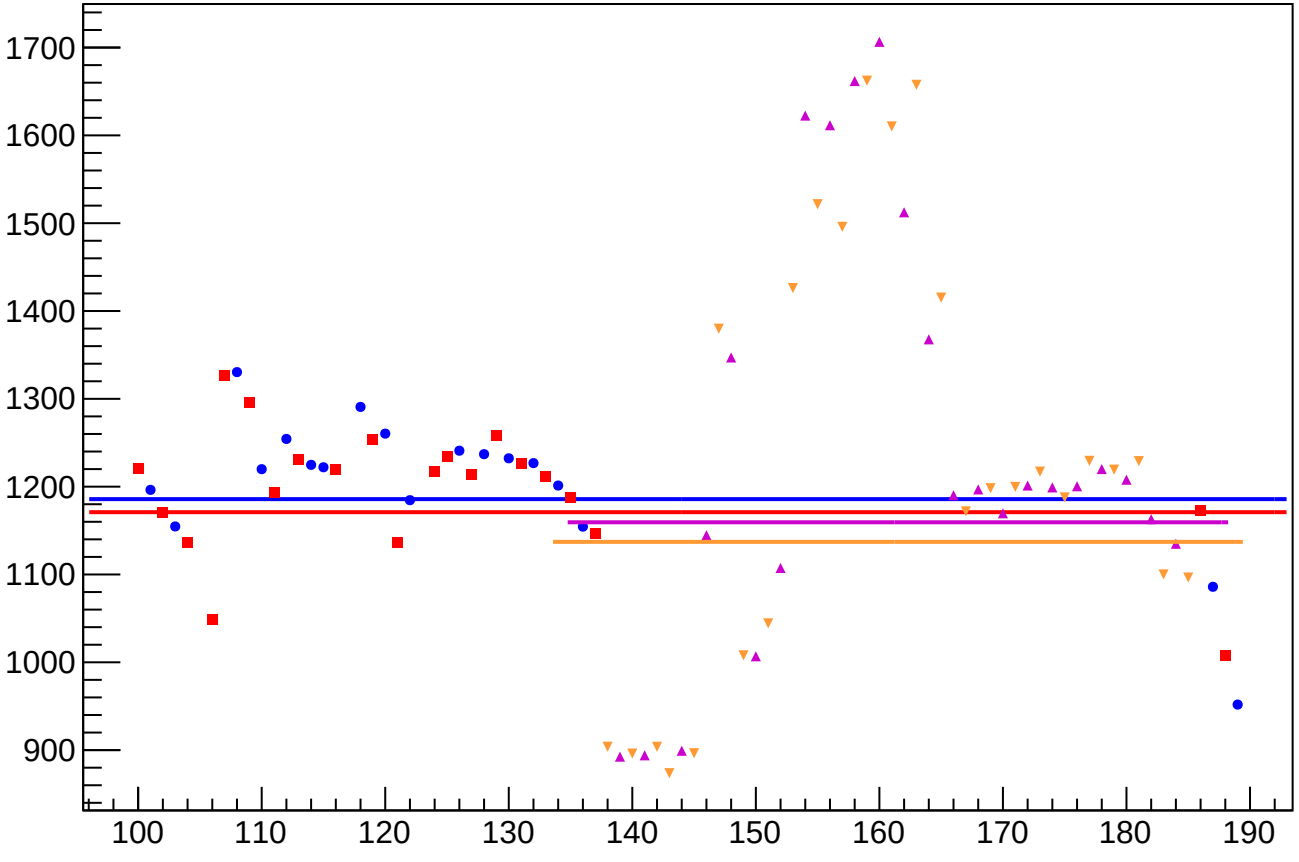
Left In: 1.355+/-0.277 χ^2/NDF:196.3/22

+ sign 1.610+/-0.224 χ^2/NDF: 397.1/42

All: 1.113+/-0.159 χ^2/NDF: 1085.1/86

- sign 0.606+/-0.226 χ^2/NDF: 678.1/43

diff_bpm0l06Y_rms vs Slug



Right In: 1185.804+/-0.298 χ^2/NDF: 98505.6/17

Left Out: 1137.150+/-0.187 χ^2/NDF:1469686.1/24

Right Out: 1170.946+/-0.278 χ^2/NDF: 97055.2/20

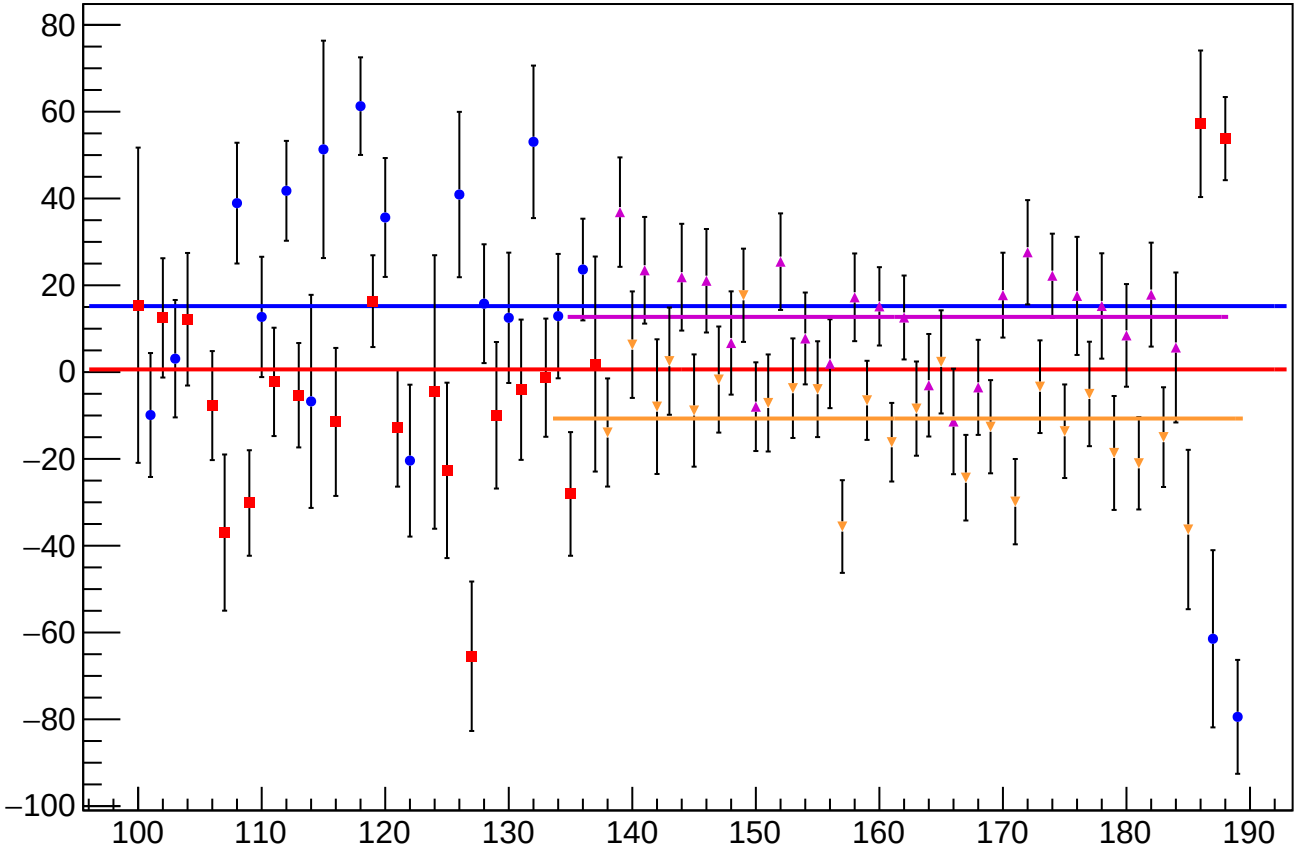
Left In: 1159.432+/-0.196 χ^2/NDF:1259793.6/22

+ sign 1150.896+/-0.158 χ^2/NDF: 1587318.8/42

All: 1157.001+/-0.113 χ^2/NDF: 2948316.4/86

- sign 1163.238+/-0.160 χ^2/NDF: 1357993.6/43

diff_bpm0l07X_mean vs Slug



Right In: 15.204+/-3.447 χ^2/NDF: 111.3/17

Left Out: -10.696+/-2.257 χ^2/NDF:28.7/24

Right Out: 0.621+/-3.190 χ^2/NDF: 79.4/20

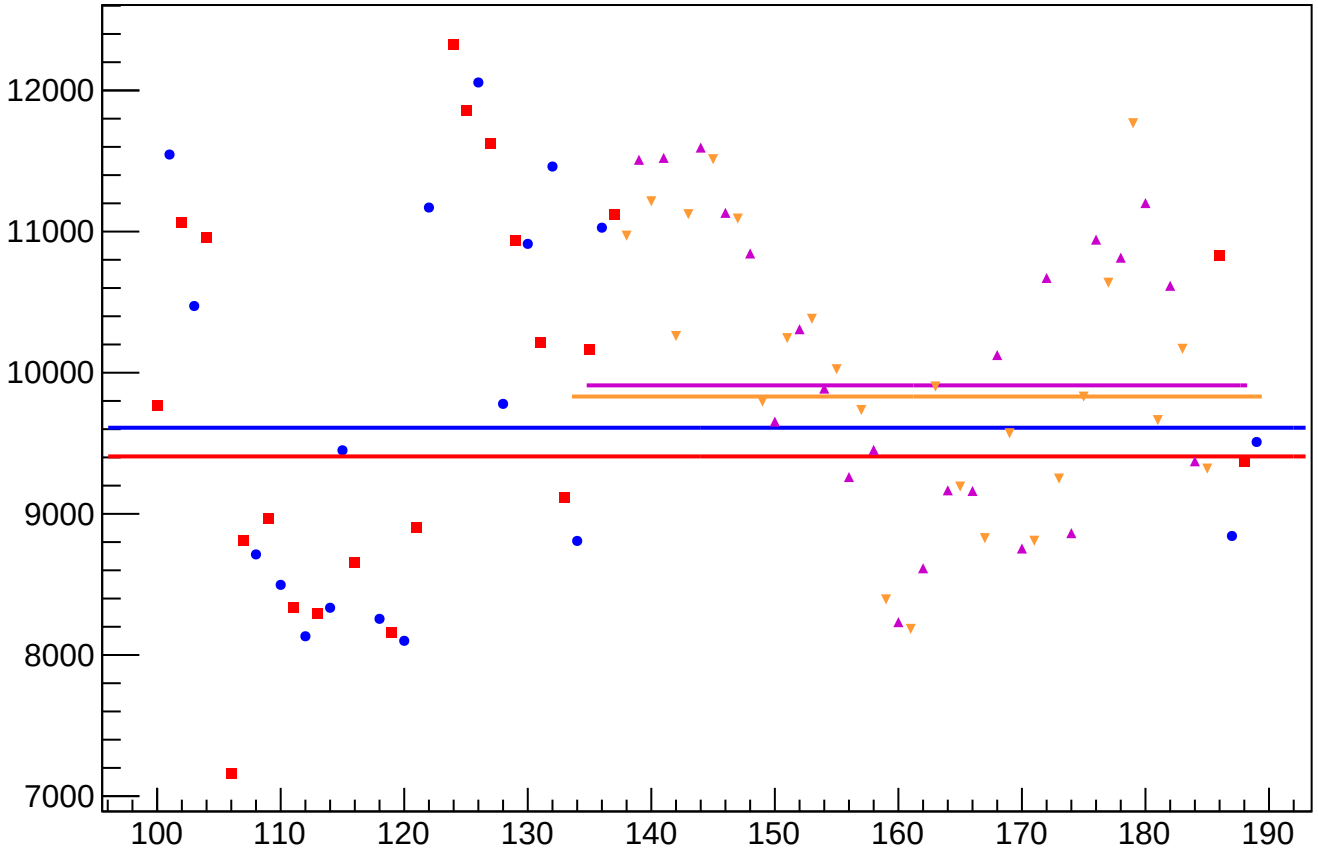
Left In: 12.719+/-2.341 χ^2/NDF:24.0/22

+ sign -2.922+/-1.888 χ^2/NDF: 179.6/42

All: 2.785+/-1.335 χ^2/NDF: 310.6/86

- sign 8.485+/-1.887 χ^2/NDF: 112.8/43

diff_bpm0l07X_rms vs Slug



Right In: 9610.147+/-2.437 χ^2/NDF: 282752.4/17

Left Out: 9831.301+/-1.596 χ^2/NDF:356125.1/24

Right Out: 9406.925+/-2.256 χ^2/NDF: 316470.9/20

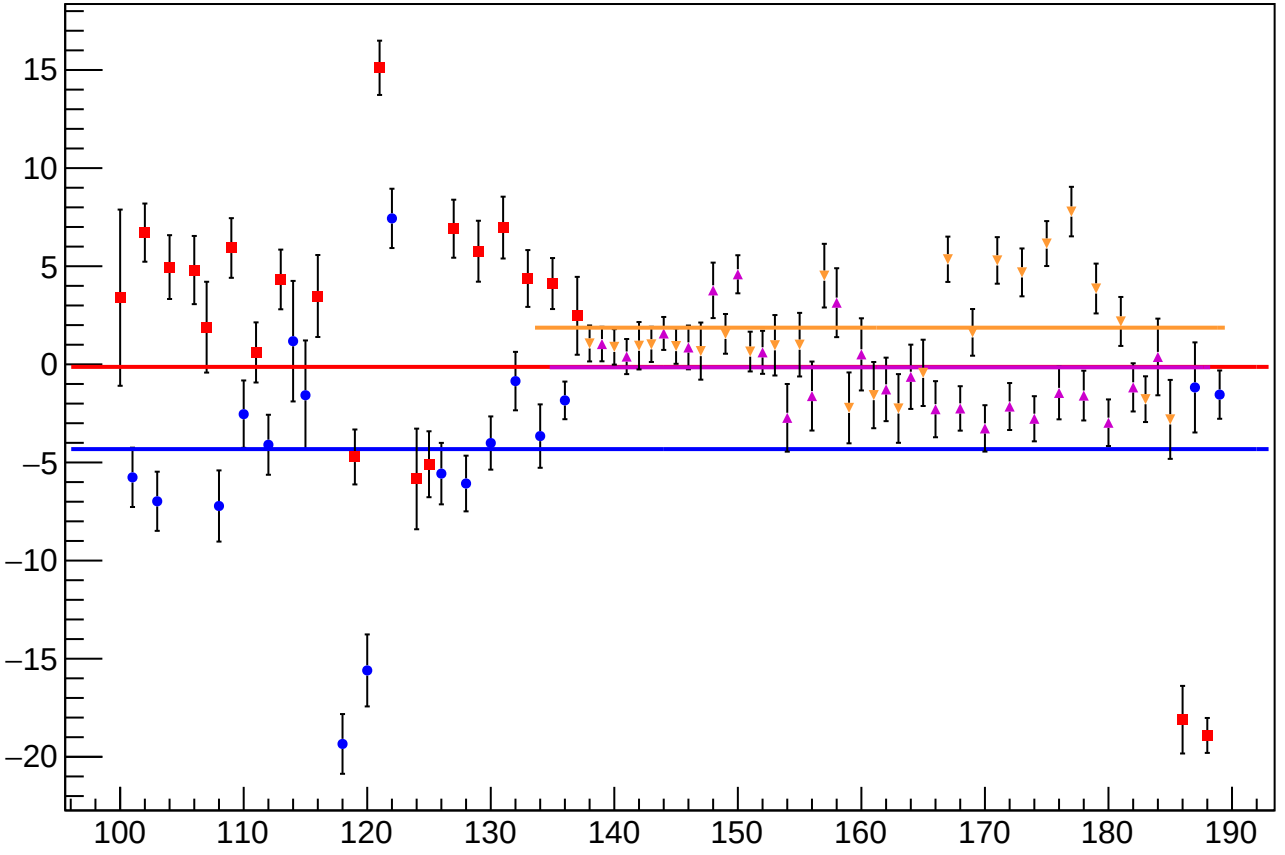
Left In: 9910.300+/-1.655 χ^2/NDF:389368.1/22

+ sign 9764.916+/-1.335 χ^2/NDF: 644640.4/42

All: 9749.524+/-0.944 χ^2/NDF: 1383108.4/86

- sign 9734.148+/-1.335 χ^2/NDF: 738202.4/43

diff_bpm0l07Y_mean vs Slug



Right In: -4.319+/-0.363 χ^2/NDF: 229.0/17

Left Out: 1.869+/-0.243 χ^2/NDF:103.2/24

Right Out: -0.130+/-0.340 χ^2/NDF: 847.7/20

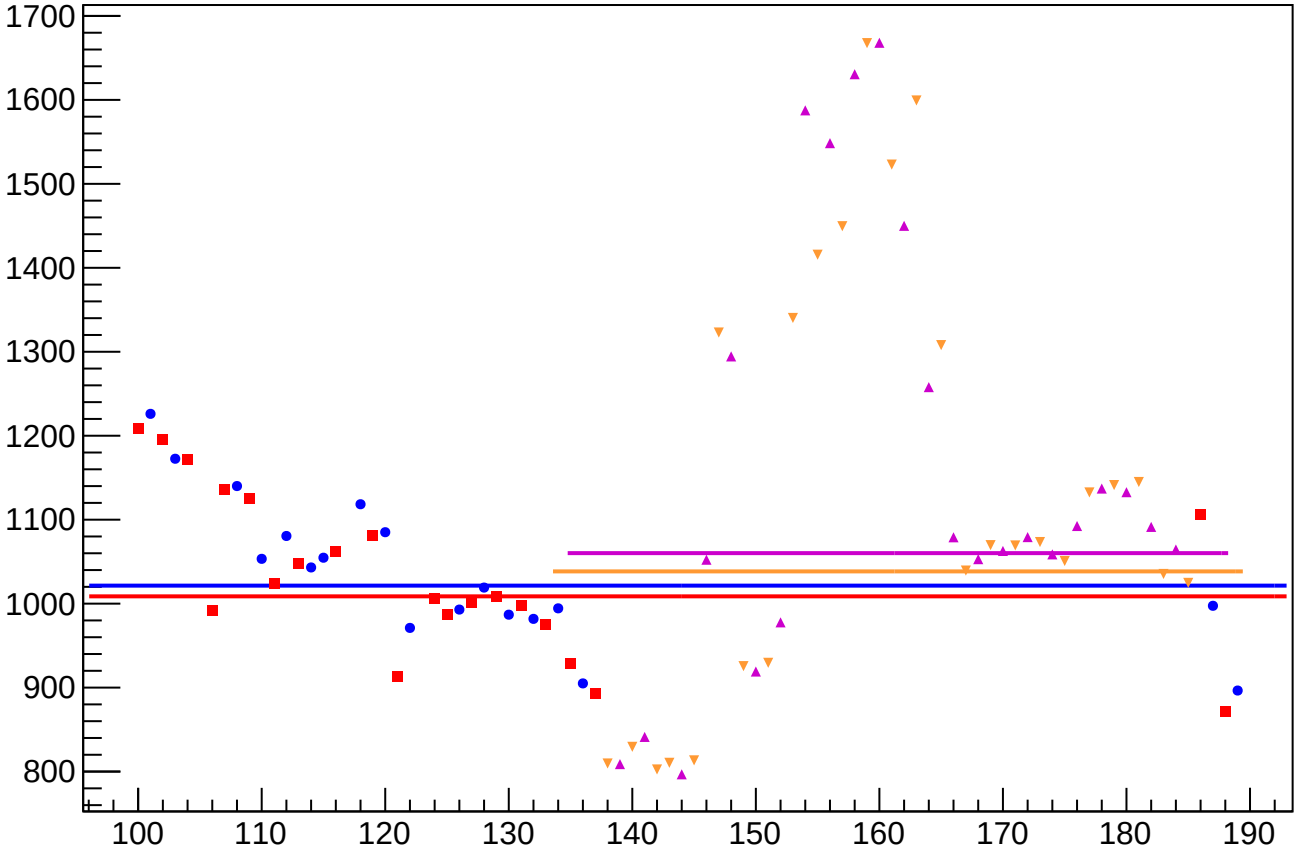
Left In: -0.152+/-0.254 χ^2/NDF:75.7/22

+ sign -0.039+/-0.202 χ^2/NDF: 532.7/42

All: -0.091+/-0.143 χ^2/NDF: 1456.1/86

- sign -0.144+/-0.204 χ^2/NDF: 923.3/43

diff_bpm0l07Y_rms vs Slug



Right In: 1021.452+/-0.257 χ^2/NDF: 136357.6/17

Left Out: 1038.406+/-0.172 χ^2/NDF:1706682.8/24

Right Out: 1008.688+/-0.240 χ^2/NDF: 161008.1/20

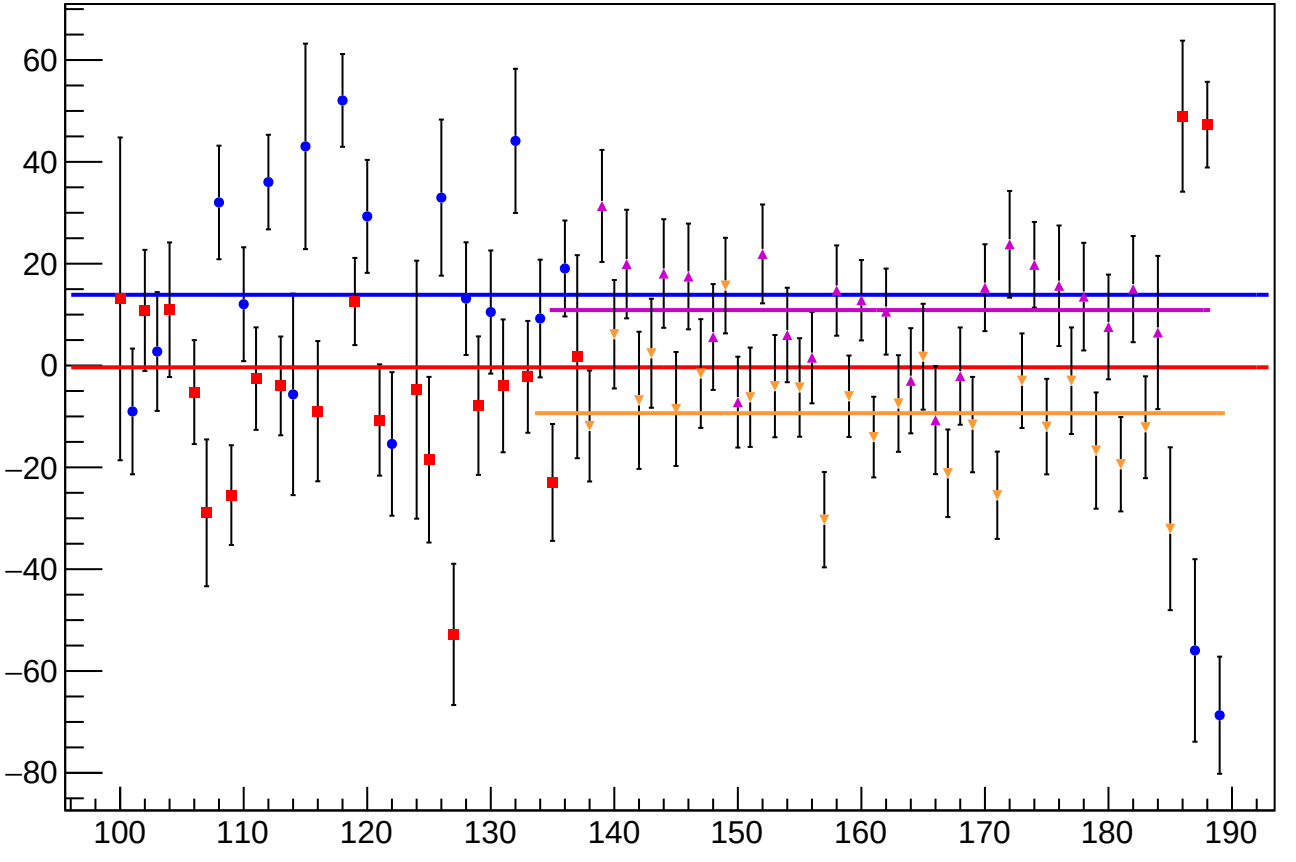
Left In: 1060.162+/-0.180 χ^2/NDF:1523219.9/22

+ sign 1033.180+/-0.143 χ^2/NDF: 1846050.4/42

All: 1037.385+/-0.101 χ^2/NDF: 3561428.7/86

- sign 1041.669+/-0.144 χ^2/NDF: 1713625.1/43

diff_bpm0l08X_mean vs Slug



Right In: 13.892+/-2.823 χ^2/NDF: 112.9/17

Left Out: -9.355+/-1.969 χ^2/NDF:28.5/24

Right Out: -0.347+/-2.623 χ^2/NDF: 79.3/20

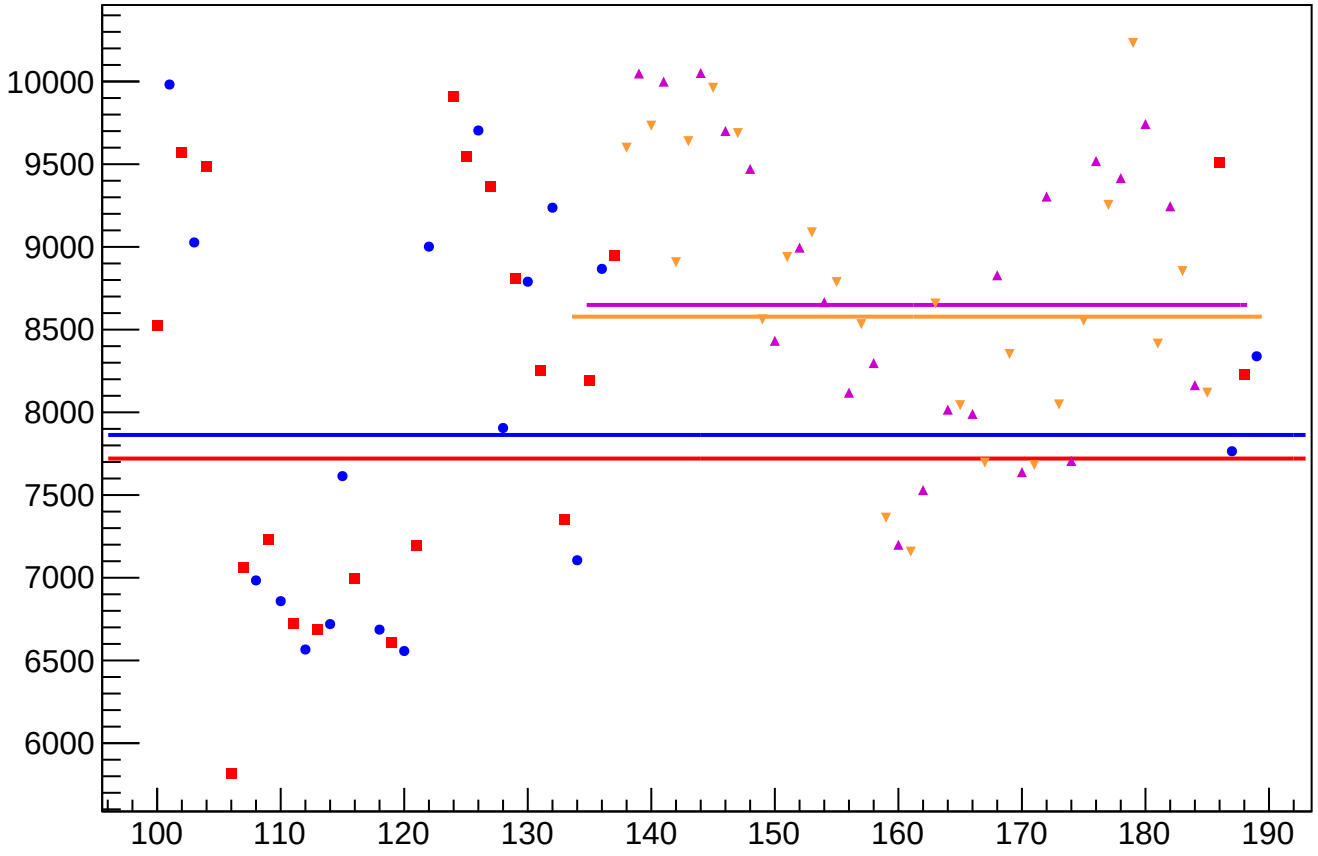
Left In: 10.892+/-2.043 χ^2/NDF:23.6/22

+ sign -1.748+/-1.615 χ^2/NDF: 187.1/42

All: 2.460+/-1.141 χ^2/NDF: 314.9/86

- sign 6.650+/-1.612 χ^2/NDF: 114.3/43

diff_bpm0l08X_rms vs Slug



Right In: 7863.255+/-1.997 χ^2/NDF: 321755.6/17

Left Out: 8578.396+/-1.392 χ^2/NDF:343721.1/24

Right Out: 7720.670+/-1.855 χ^2/NDF: 384462.3/20

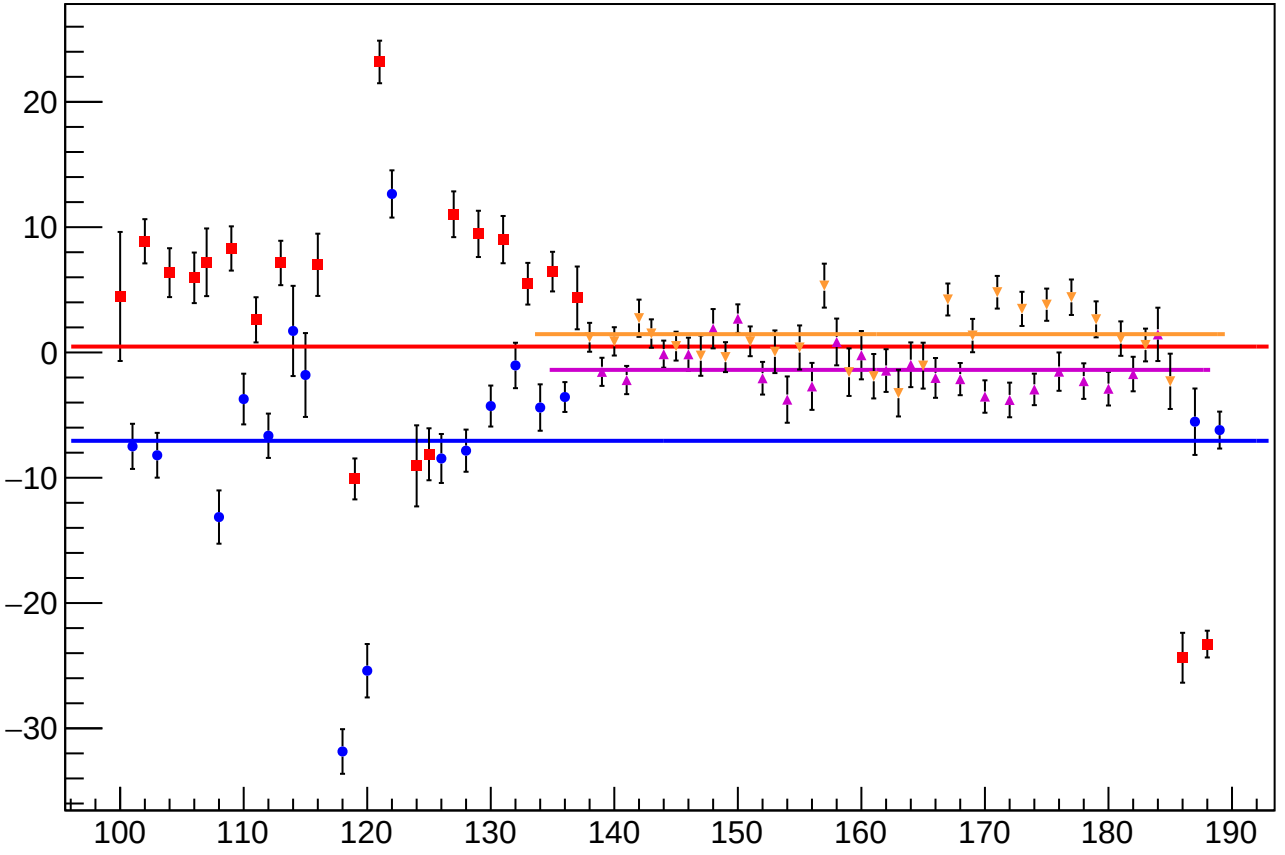
Left In: 8649.232+/-1.444 χ^2/NDF:377932.0/22

+ sign 8344.375+/-1.142 χ^2/NDF: 751795.1/42

All: 8321.541+/-0.807 χ^2/NDF: 1670982.8/86

- sign 8298.806+/-1.140 χ^2/NDF: 918390.0/43

diff_bpm0l08Y_mean vs Slug



Right In: -7.052+/-0.435 χ^2/NDF: 423.0/17

Left Out: 1.461+/-0.281 χ^2/NDF:51.0/24

Right Out: 0.470+/-0.405 χ^2/NDF: 1087.2/20

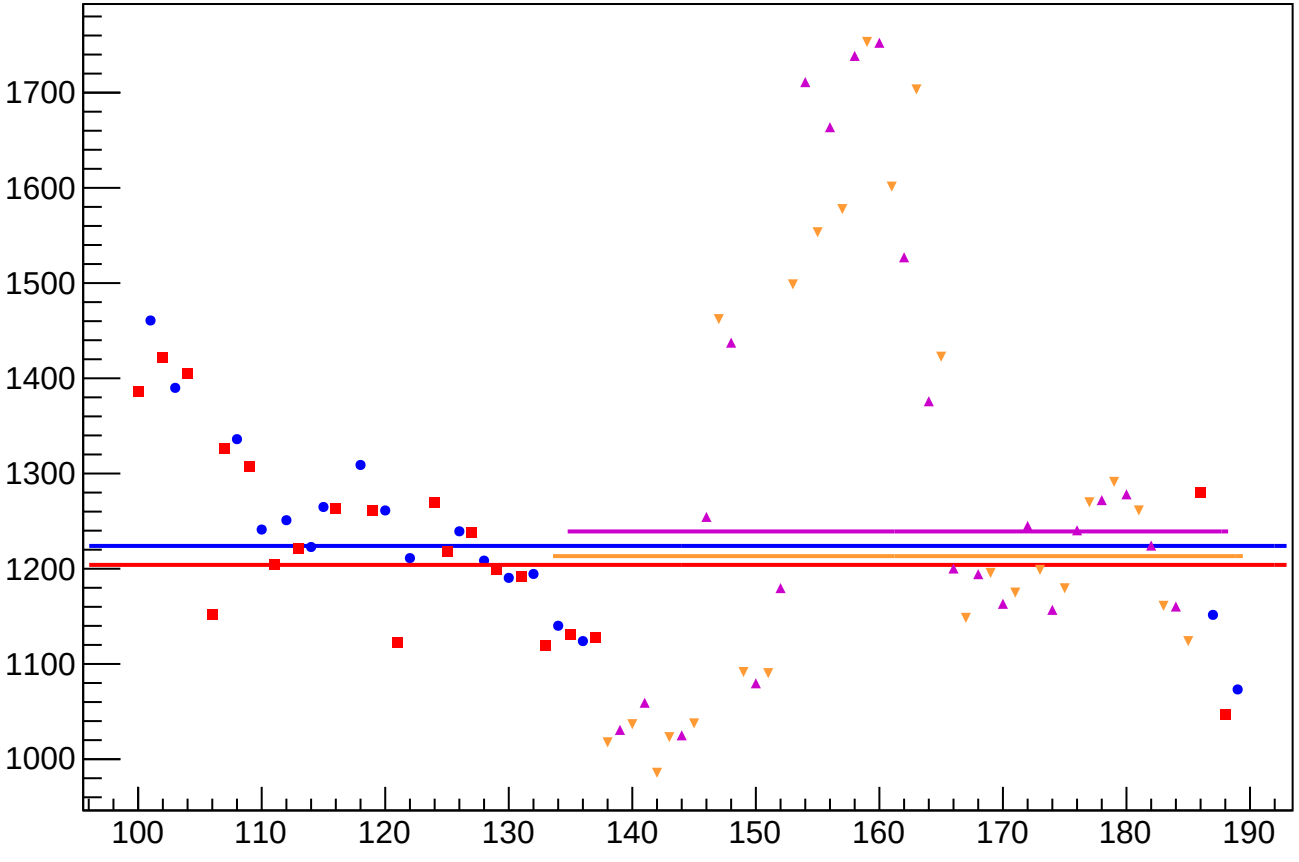
Left In: -1.390+/-0.294 χ^2/NDF:35.5/22

+ sign -1.038+/-0.236 χ^2/NDF: 744.4/42

All: -0.895+/-0.168 χ^2/NDF: 1881.6/86

- sign -0.748+/-0.238 χ^2/NDF: 1136.5/43

diff_bpm0l08Y_rms vs Slug



Right In: 1223.972+/-0.308 χ^2/NDF: 105778.9/17

Left Out: 1213.262+/-0.198 χ^2/NDF:1012762.9/24

Right Out: 1204.041+/-0.287 χ^2/NDF: 133889.4/20

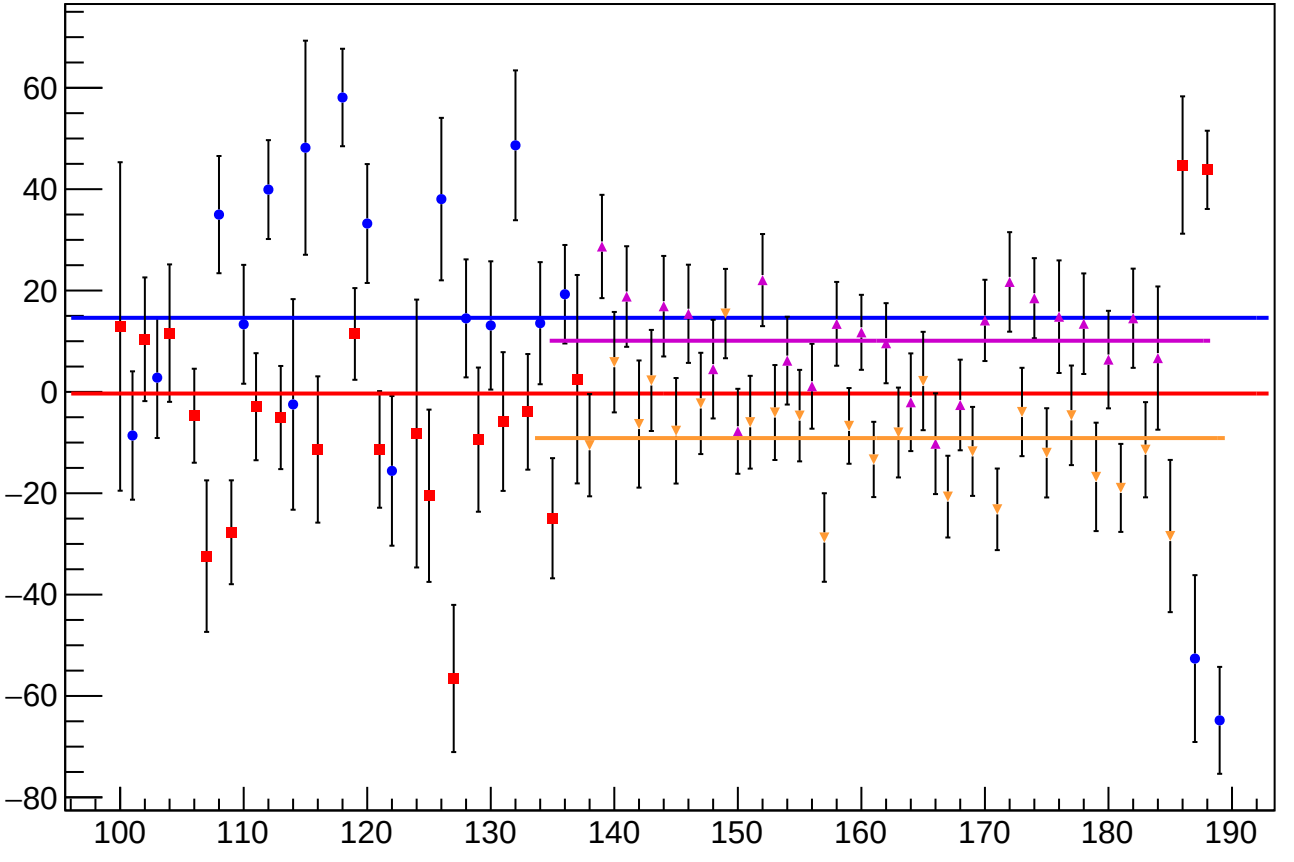
Left In: 1239.174+/-0.208 χ^2/NDF:885596.7/22

+ sign 1216.407+/-0.167 χ^2/NDF: 1119397.6/42

All: 1221.675+/-0.118 χ^2/NDF: 2150738.7/86

- sign 1227.050+/-0.168 χ^2/NDF: 1029323.5/43

diff_bpm0l09X_mean vs Slug



Right In: 14.616+/-2.911 χ^2/NDF: 125.6/17

Left Out: -9.114+/-1.842 χ^2/NDF:28.8/24

Right Out: -0.323+/-2.661 χ^2/NDF: 82.4/20

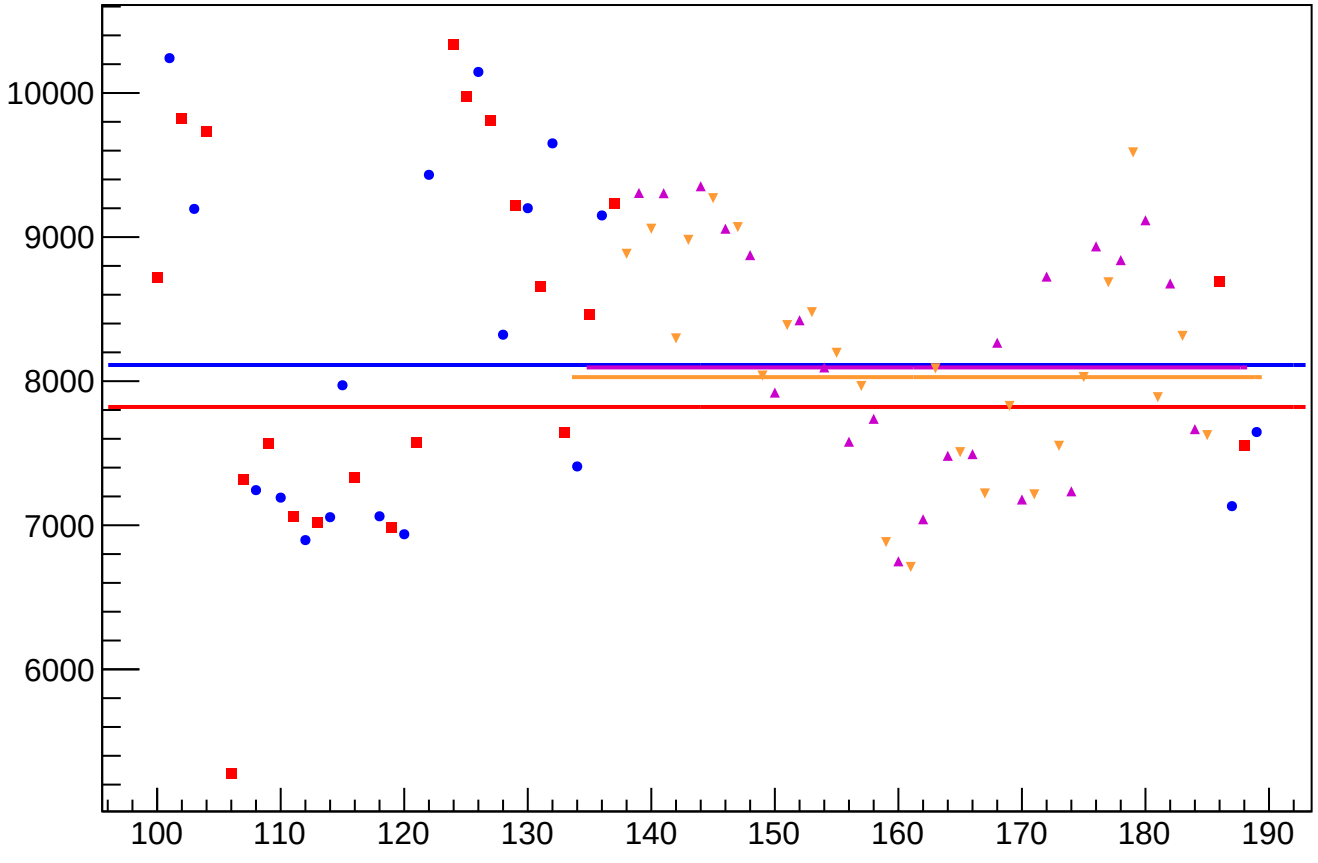
Left In: 10.095+/-1.911 χ^2/NDF:24.3/22

+ sign -2.327+/-1.557 χ^2/NDF: 201.8/42

All: 2.124+/-1.099 χ^2/NDF: 334.9/86

- sign 6.550+/-1.552 χ^2/NDF: 116.8/43

diff_bpm0l09X_rms vs Slug



Right In: 8112.326+/-2.059 χ^2/NDF: 302758.7/17

Left Out: 8028.056+/-1.303 χ^2/NDF:332457.9/24

Right Out: 7820.927+/-1.882 χ^2/NDF: 433724.8/20

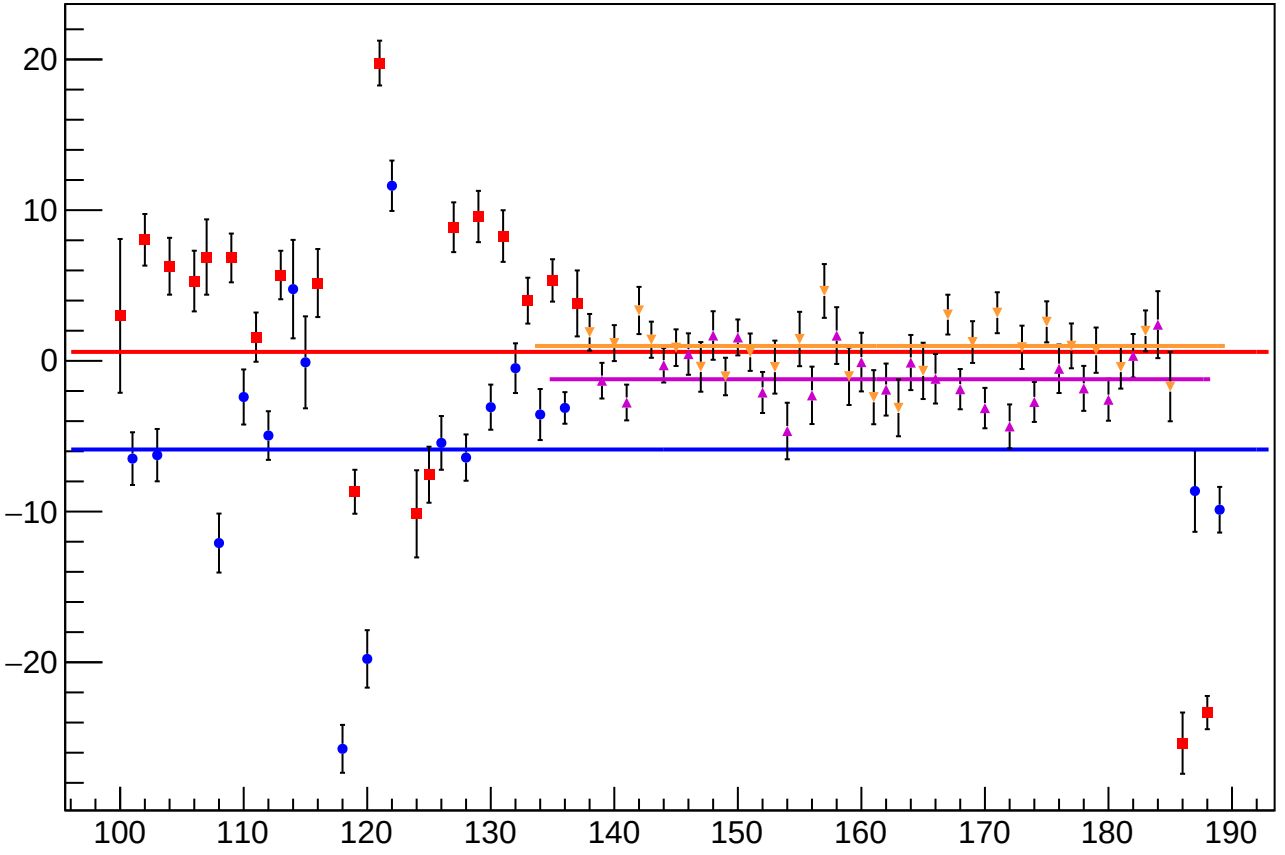
Left In: 8095.368+/-1.351 χ^2/NDF:367451.5/22

+ sign 8052.157+/-1.101 χ^2/NDF: 636413.1/42

All: 8026.995+/-0.777 χ^2/NDF: 1452663.8/86

- sign 8001.978+/-1.098 χ^2/NDF: 815208.9/43

diff_bpm0l09Y_mean vs Slug



Right In: -5.881+/-0.401 χ^2/NDF: 378.6/17

Left Out: 0.988+/-0.292 χ^2/NDF:31.0/24

Right Out: 0.595+/-0.378 χ^2/NDF: 1035.1/20

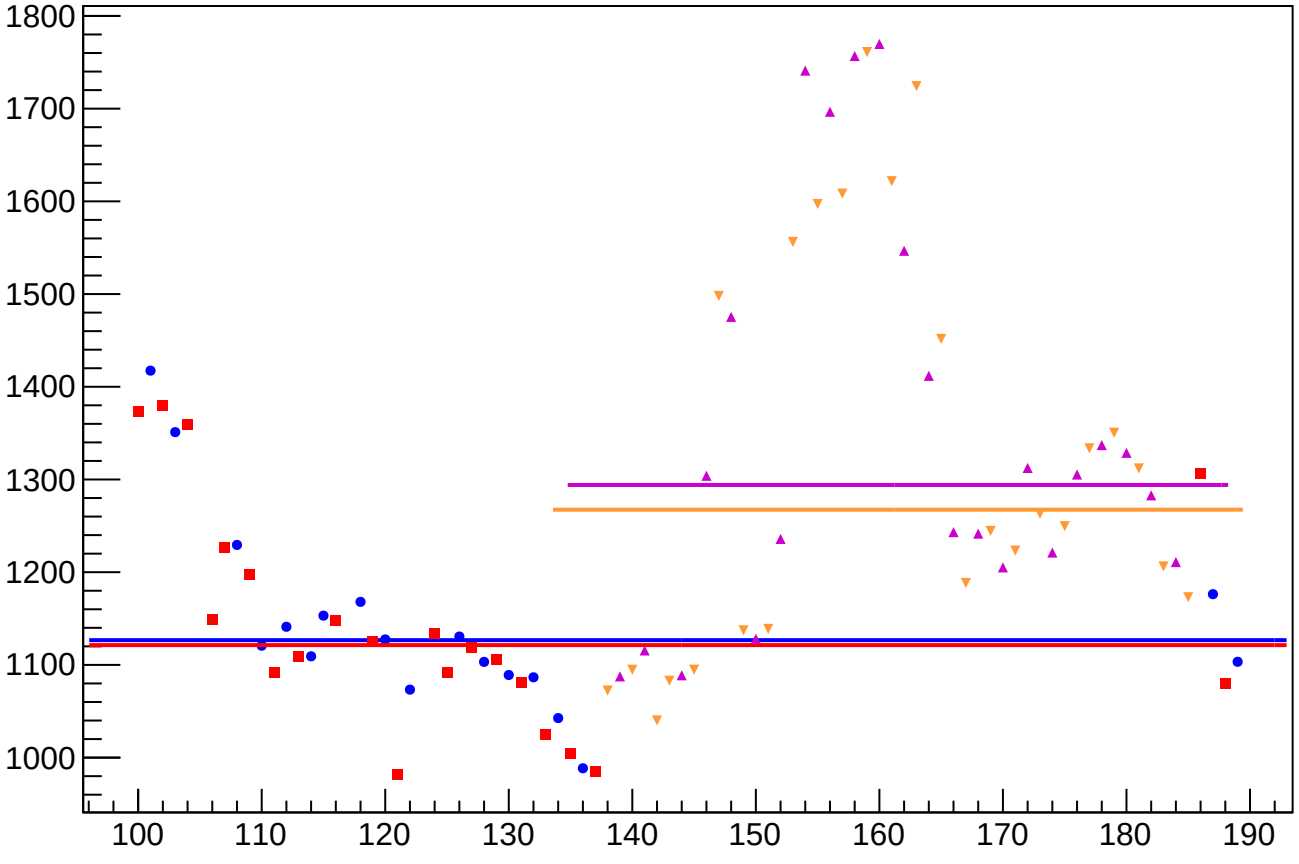
Left In: -1.219+/-0.307 χ^2/NDF:33.1/22

+ sign -1.396+/-0.236 χ^2/NDF: 601.2/42

All: -0.951+/-0.168 χ^2/NDF: 1690.4/86

- sign -0.499+/-0.238 χ^2/NDF: 1082.1/43

diff_bpm0l09Y_rms vs Slug



Right In: 1126.688+/-0.284 χ^2/NDF: 141764.8/17

Left Out: 1267.405+/-0.207 χ^2/NDF:878431.8/24

Right Out: 1121.356+/-0.267 χ^2/NDF: 160186.2/20

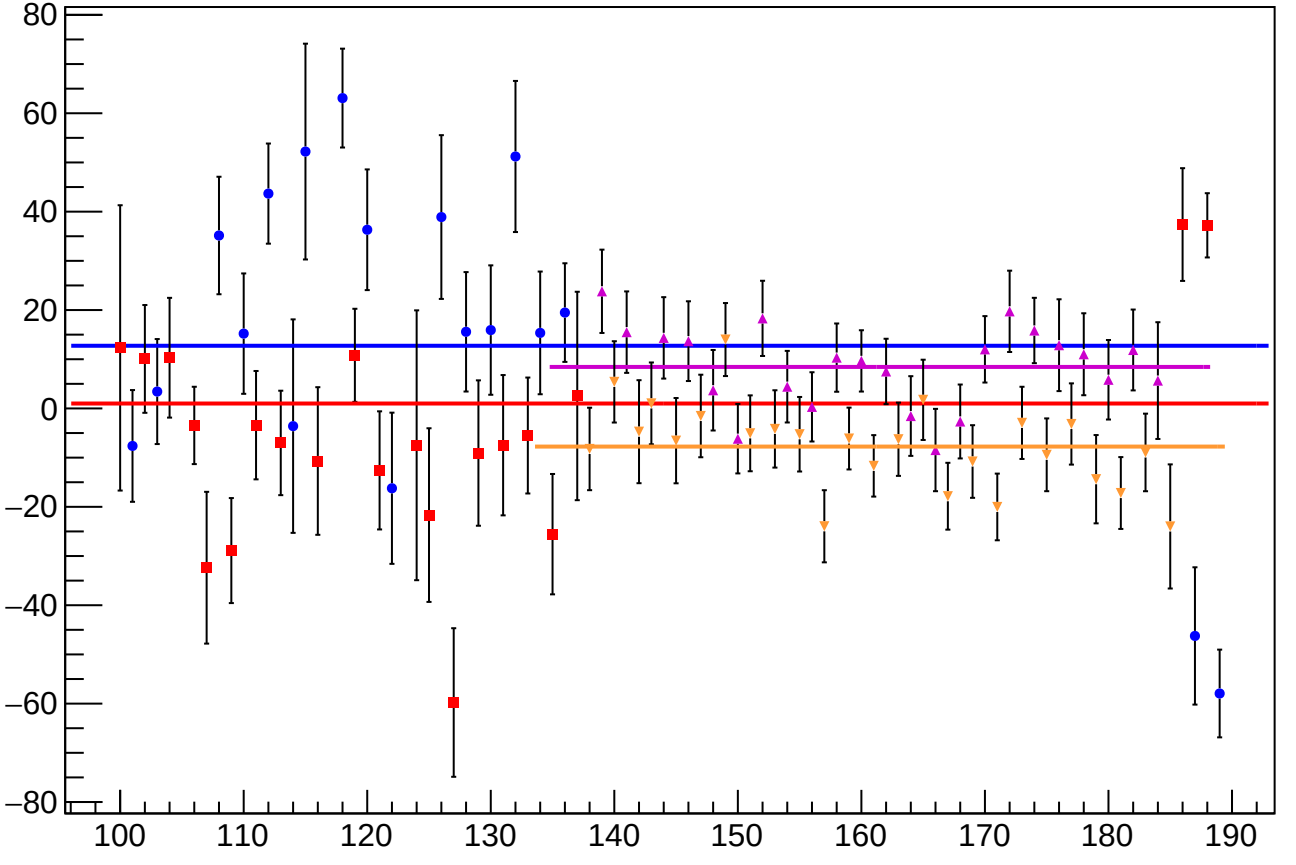
Left In: 1294.076+/-0.217 χ^2/NDF:758193.5/22

\+ sign 1218.575+/-0.167 χ^2/NDF: 1180977.8/42

All: 1222.019+/-0.119 χ^2/NDF: 2352206.2/86

\- sign 1225.515+/-0.168 χ^2/NDF: 1170372.1/43

diff_bpm0l10X_mean vs Slug



Right In: 12.740+/-2.894 χ^2/NDF: 143.0/17

Left Out: -7.752+/-1.547 χ^2/NDF:30.4/24

Right Out: 1.000+/-2.576 χ^2/NDF: 82.6/20

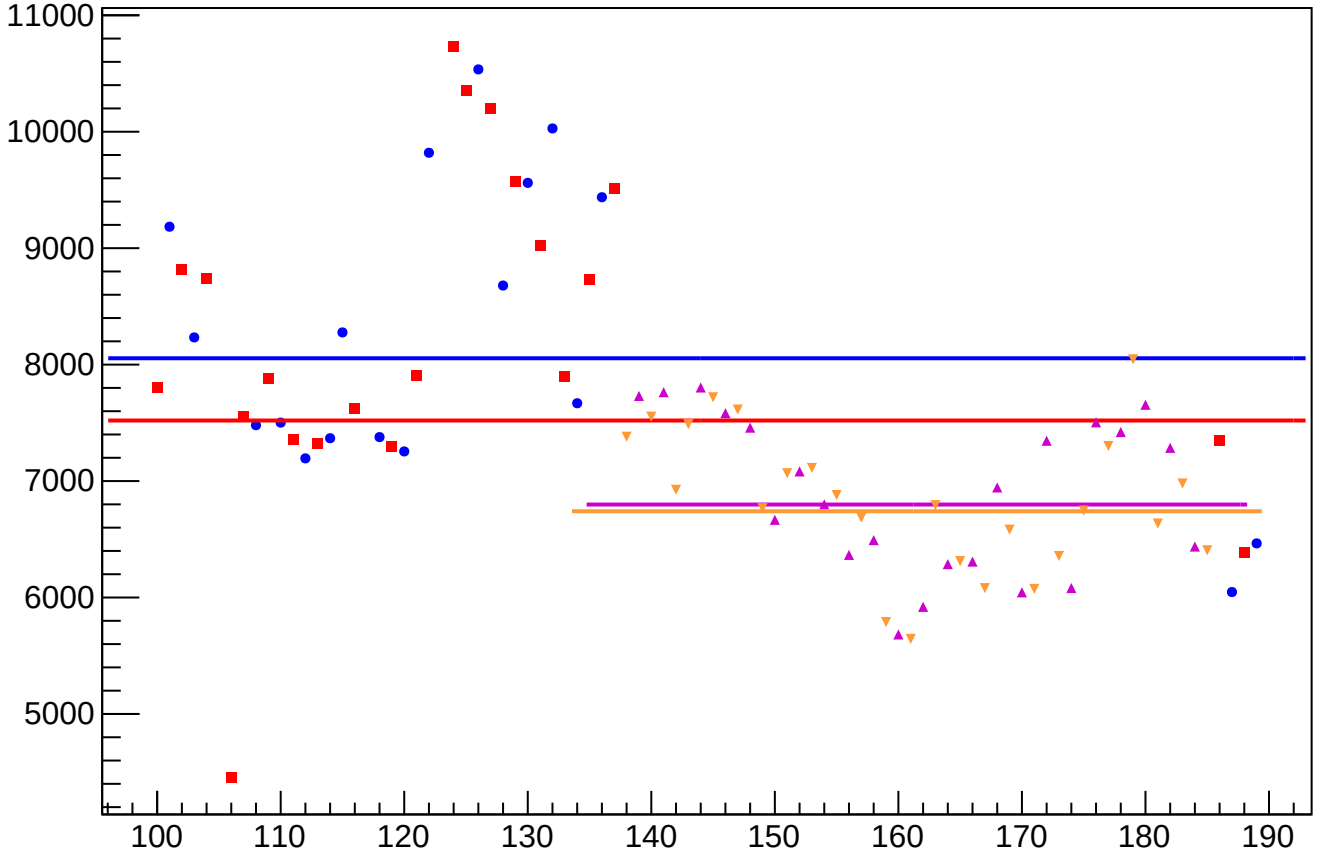
Left In: 8.438+/-1.605 χ^2/NDF:24.8/22

+ sign -3.200+/-1.364 χ^2/NDF: 212.4/42

All: 1.586+/-0.964 χ^2/NDF: 350.4/86

- sign 6.358+/-1.362 χ^2/NDF: 113.4/43

diff_bpm0l10X_rms vs Slug



Right In: 8054.656+/-2.046 χ^2/NDF: 343474.6/17

Left Out: 6740.835+/-1.094 χ^2/NDF:316707.6/24

Right Out: 7520.126+/-1.821 χ^2/NDF: 661490.4/20

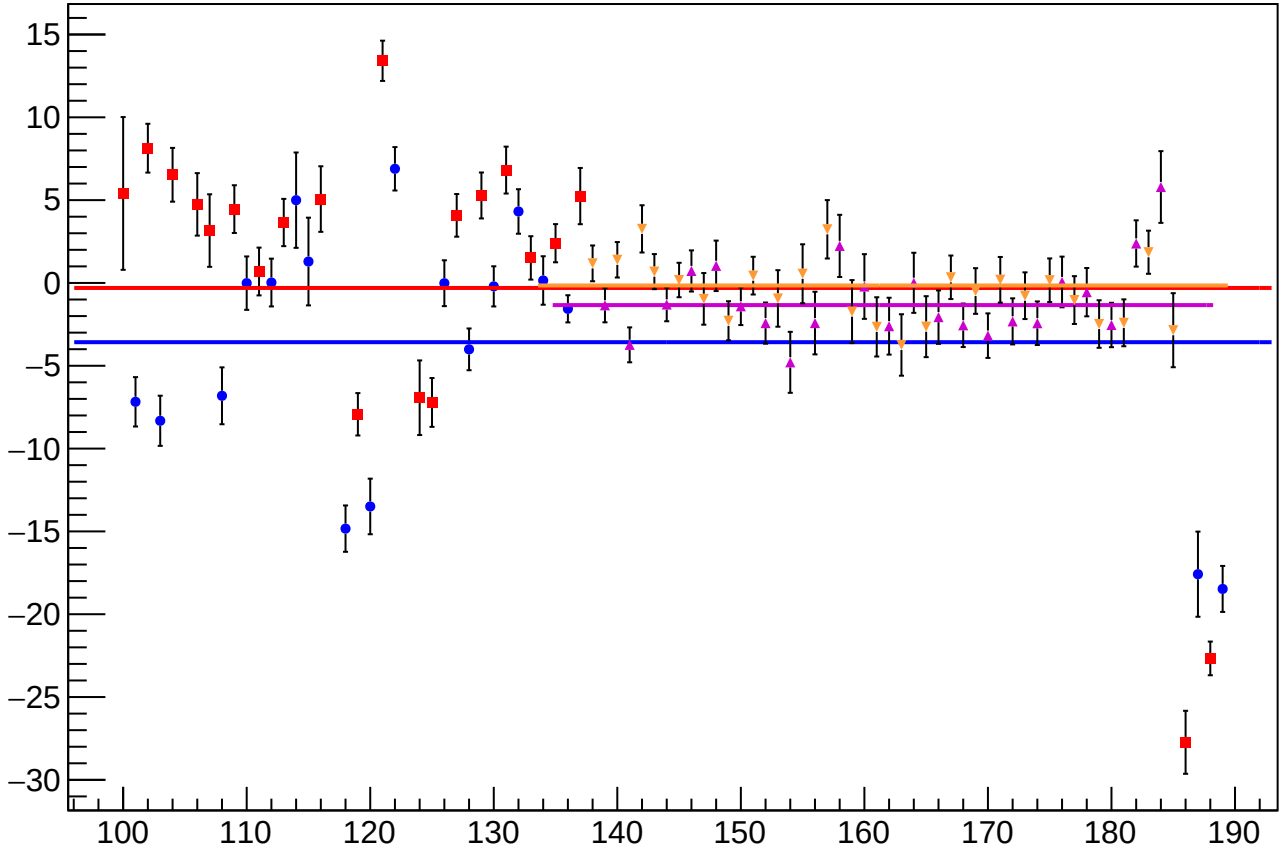
Left In: 6798.524+/-1.135 χ^2/NDF:353277.6/22

+ sign 7032.684+/-0.965 χ^2/NDF: 980783.1/42

All: 7016.450+/-0.682 χ^2/NDF: 2109192.9/86

- sign 7000.266+/-0.963 χ^2/NDF: 1127844.1/43

diff_bpm0l10Y_mean vs Slug



Right In: -3.577+/-0.337 χ^2/NDF: 412.2/17

Left Out: -0.152+/-0.277 χ^2/NDF:36.1/24

Right Out: -0.302+/-0.323 χ^2/NDF: 1044.7/20

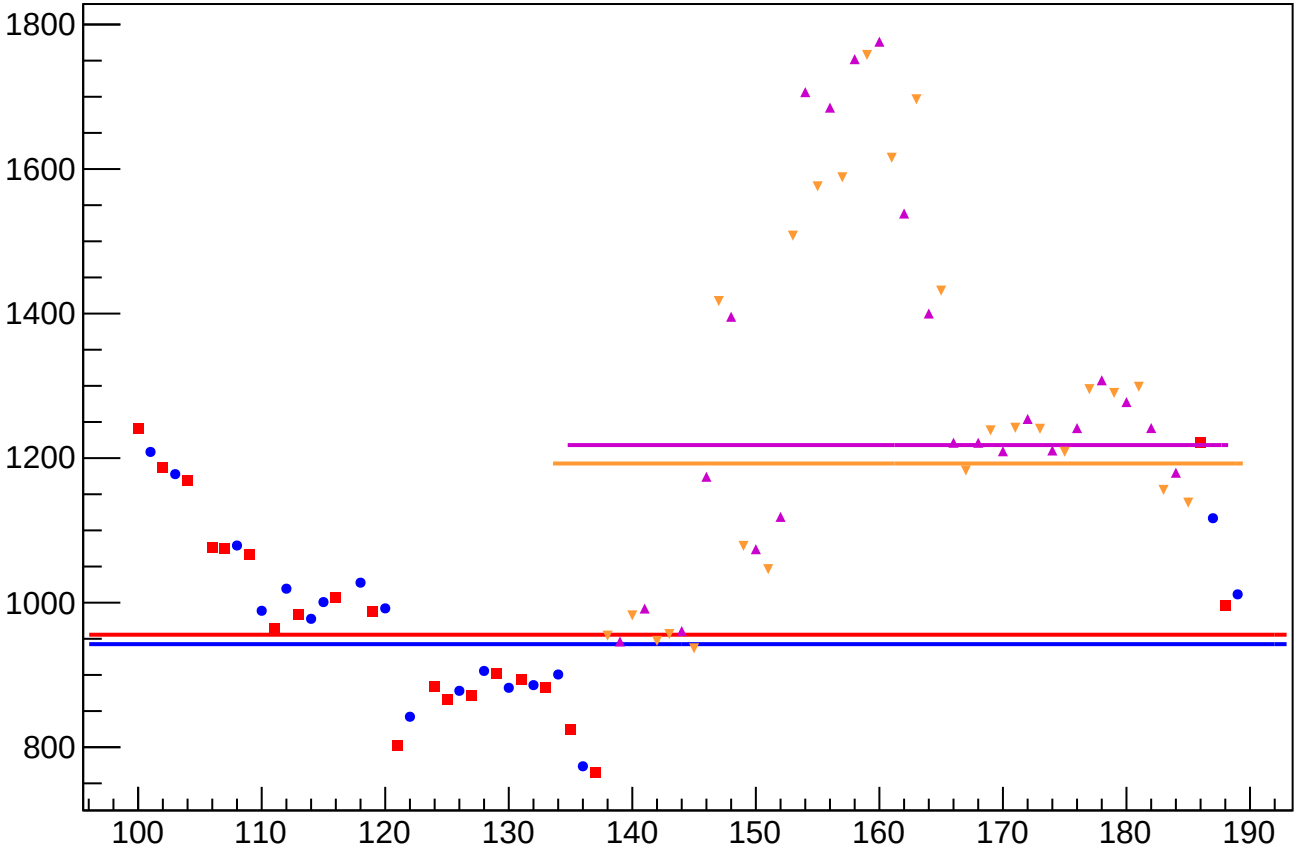
Left In: -1.337+/-0.290 χ^2/NDF:44.0/22

+ sign -1.532+/-0.214 χ^2/NDF: 510.0/42

All: -1.207+/-0.152 χ^2/NDF: 1609.1/86

- sign -0.875+/-0.216 χ^2/NDF: 1094.4/43

diff_bpm0l10Y_rms vs Slug



Right In: 942.601+/-0.238 χ^2/NDF: 269422.5/17

Left Out: 1192.579+/-0.196 χ^2/NDF:1320181.3/24

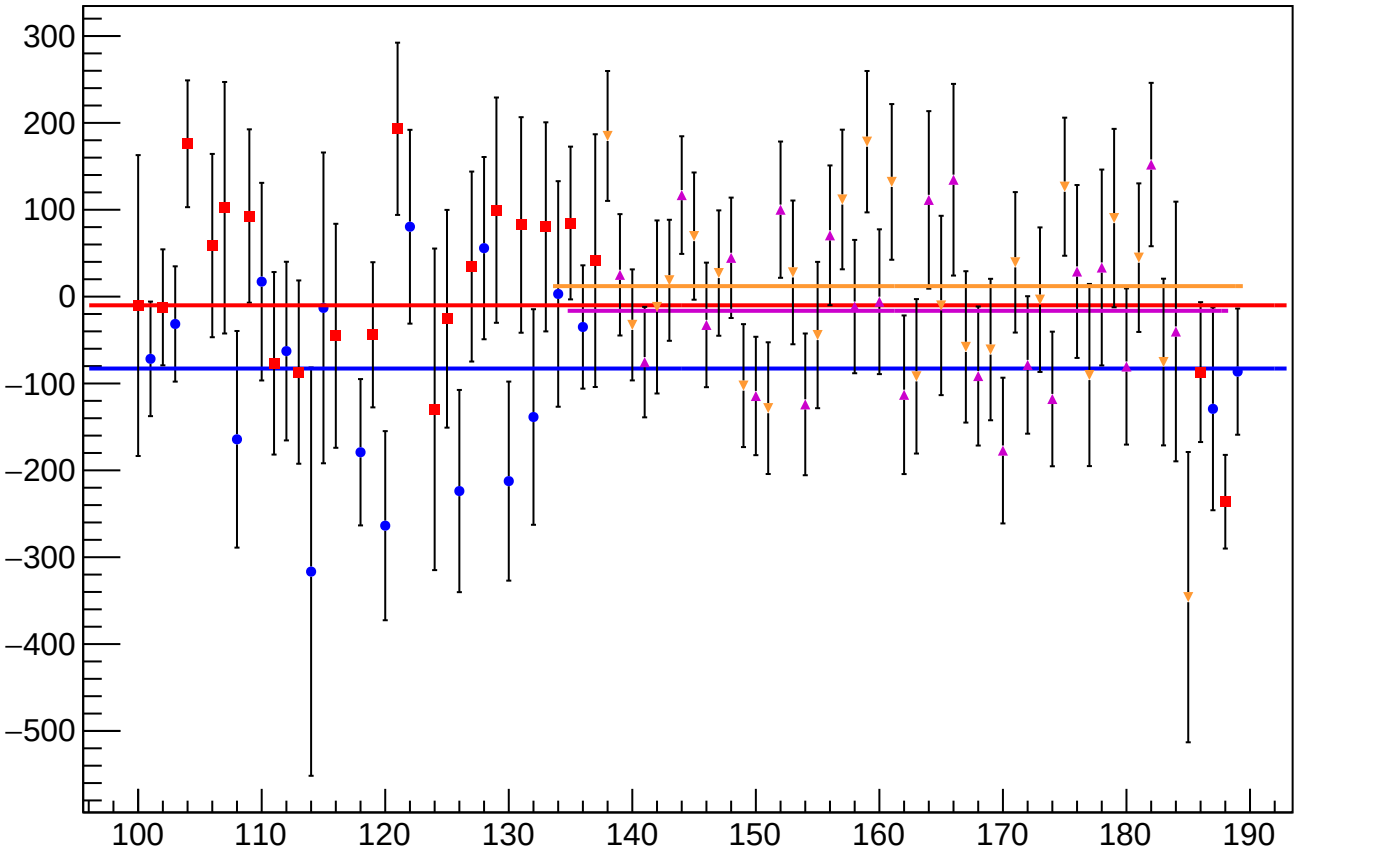
Right Out: 955.649+/-0.228 χ^2/NDF: 277947.2/20

Left In: 1218.058+/-0.205 χ^2/NDF:1127896.8/22

+ sign 1091.868+/-0.151 χ^2/NDF: 2247227.0/42

All: 1096.346+/-0.107 χ^2/NDF: 4385096.1/86

- sign 1100.912+/-0.153 χ^2/NDF: 2136097.0/43



Right In: -82.783+/-23.097 χ^2/NDF: 15.0/17

Left Out: 12.081+/-16.608 χ^2/NDF:32.8/24

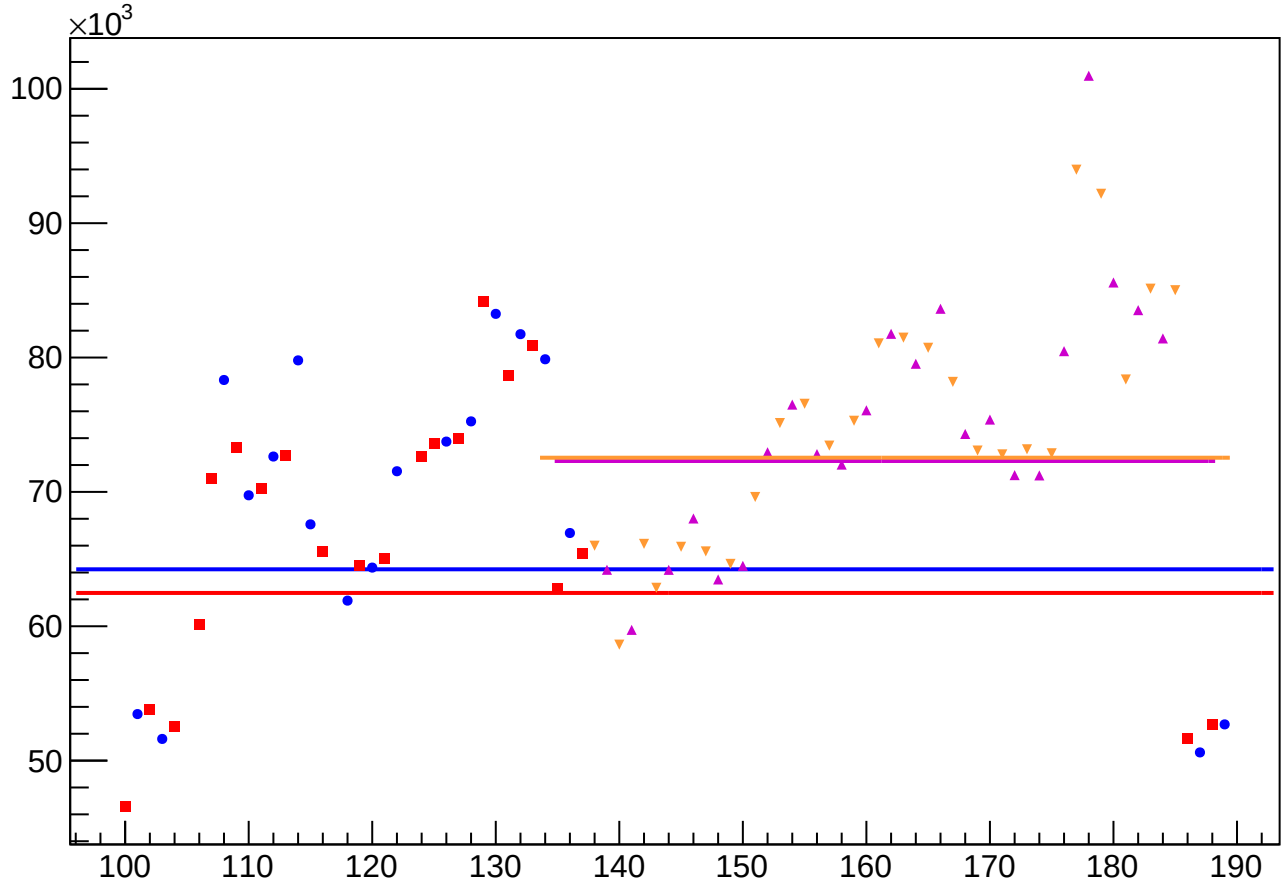
Right Out: -10.003+/-21.254 χ^2/NDF: 36.2/20

Left In: -16.339+/-17.018 χ^2/NDF:28.7/22

\+ sign -20.251+/-13.484 χ^2/NDF: 58.9/42

All: -17.010+/-9.463 χ^2/NDF: 123.9/86

\- sign -13.864+/-13.284 χ^2/NDF: 64.9/43



Right In: 64238.736+/-16.332 χ^2/NDF: 428727.9/17

Left Out: 72544.327+/-11.744 χ^2/NDF:500066.2/24

Right Out: 62479.184+/-15.029 χ^2/NDF: 436445.5/20

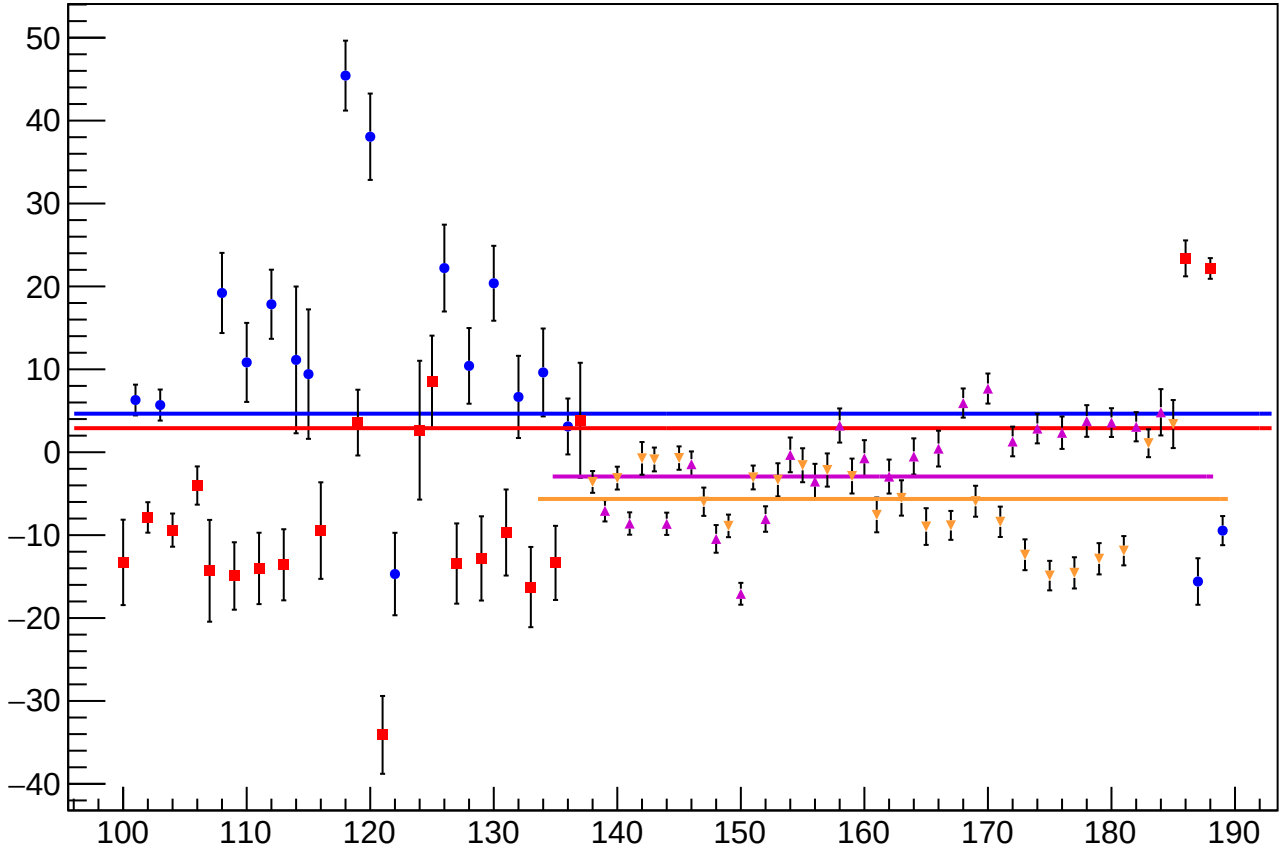
Left In: 72300.590+/-12.033 χ^2/NDF:488780.3/22

+ sign 69713.583+/-9.535 χ^2/NDF: 1099272.8/42

All: 69079.388+/-6.691 χ^2/NDF: 2293450.0/8

- sign 68463.841+/-9.393 χ^2/NDF: 1185458.6/43

diff_bpm0r03Y_mean vs Slug



Right In: 4.651+/-0.783 χ^2/NDF: 315.4/17

Left Out: -5.636+/-0.349 χ^2/NDF:178.2/24

Right Out: 2.901+/-0.668 χ^2/NDF: 599.0/20

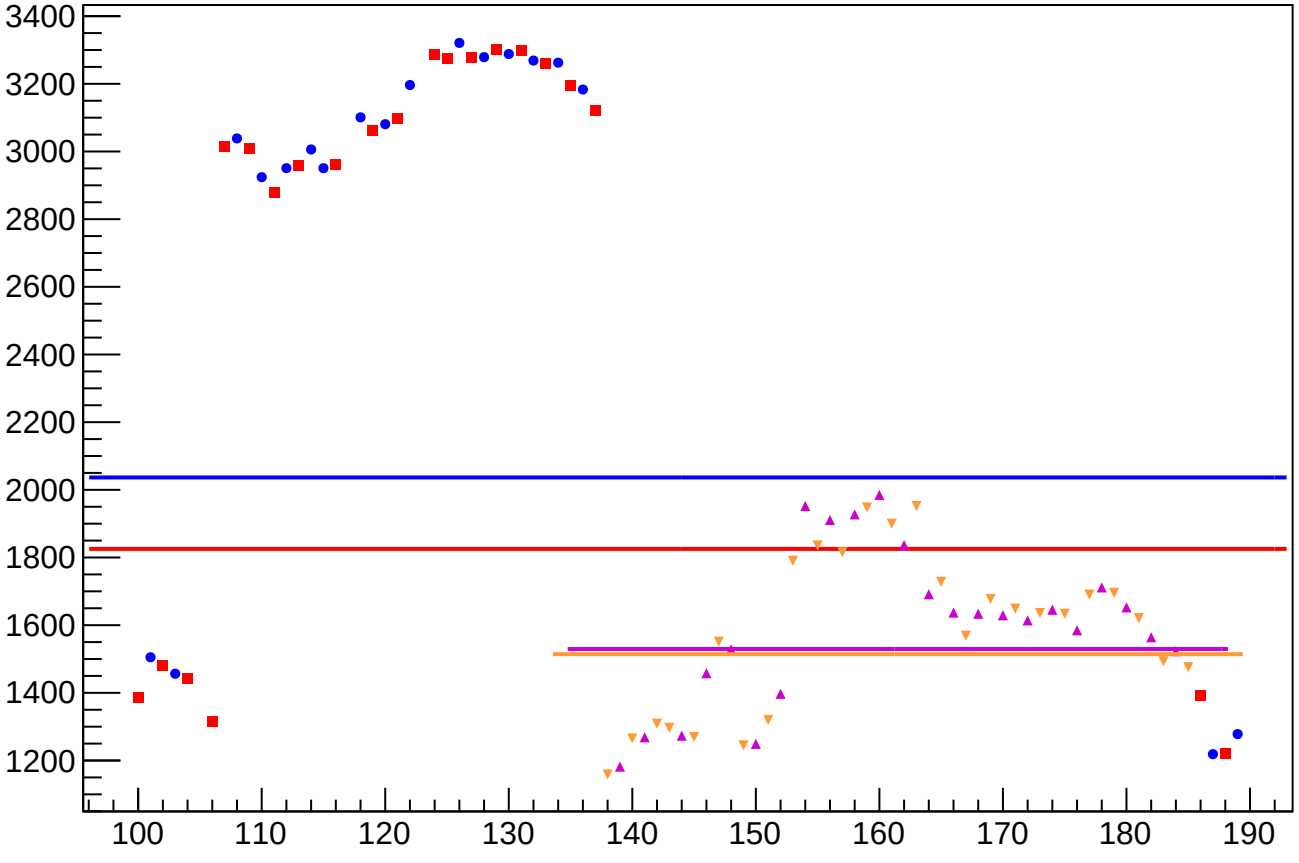
Left In: -2.929+/-0.362 χ^2/NDF:337.4/22

+ sign -3.931+/-0.319 χ^2/NDF: 637.5/42

All: -2.767+/-0.225 χ^2/NDF: 1659.3/86

- sign -1.605+/-0.319 χ^2/NDF: 995.2/43

diff_bpm0r03Y_rms vs Slug



Right In: 2036.615+/-0.554 χ^2/NDF: 2401705.6/17

Left Out: 1514.334+/-0.247 χ^2/NDF:933332.1/24

Right Out: 1825.435+/-0.473 χ^2/NDF: 2864456.2/20

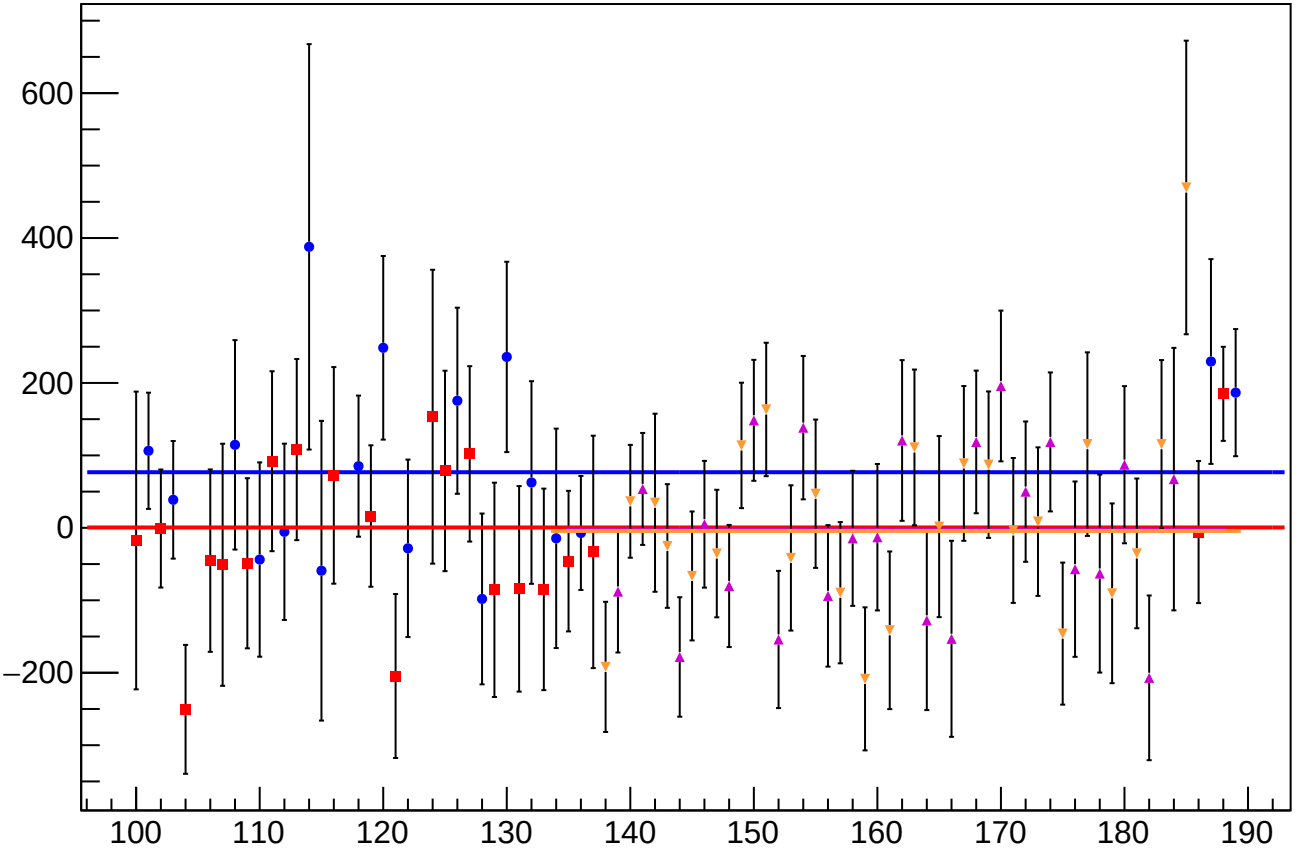
Left In: 1529.635+/-0.256 χ^2/NDF:828481.7/22

+ sign 1600.919+/-0.225 χ^2/NDF: 4077446.7/42

All: 1598.854+/-0.159 χ^2/NDF: 8073276.4/86

- sign 1596.793+/-0.225 χ^2/NDF: 3995662.0/43

diff_bpm0r05X_mean vs Slug



Right In: 76.772+/-26.960 χ^2/NDF: 14.4/17

Left Out: -4.274+/-20.240 χ^2/NDF:30.4/24

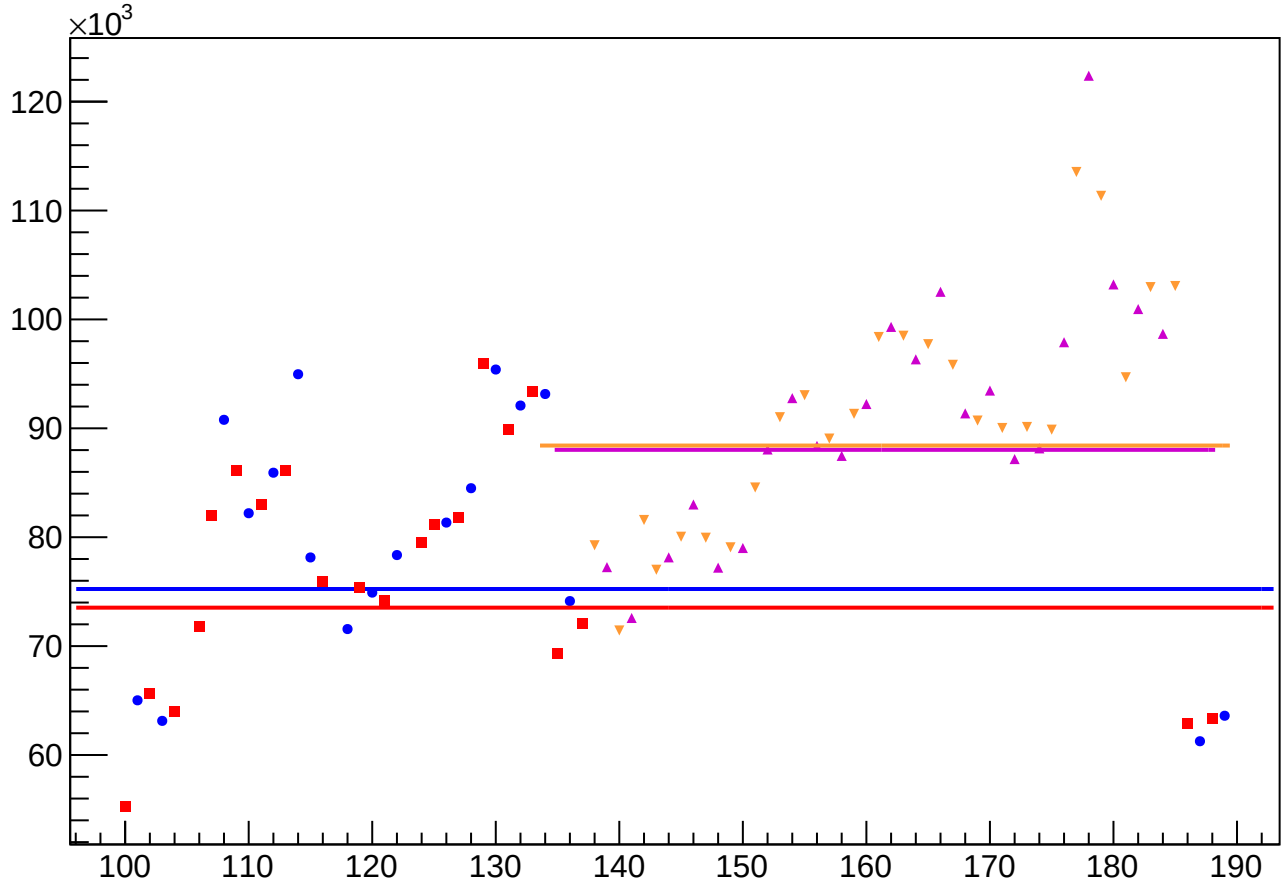
Right Out: 0.523+/-24.944 χ^2/NDF: 24.2/20

Left In: -3.017+/-20.720 χ^2/NDF:30.7/22

+ sign 24.939+/-16.186 χ^2/NDF: 50.7/42

All: 11.479+/-11.357 χ^2/NDF: 107.0/86

- sign -1.572+/-15.938 χ^2/NDF: 54.9/43



Right In: 75244.055+/-19.064 χ^2/NDF: 311467.5/17

Left Out: 88417.953+/-14.312 χ^2/NDF:481954.0/24

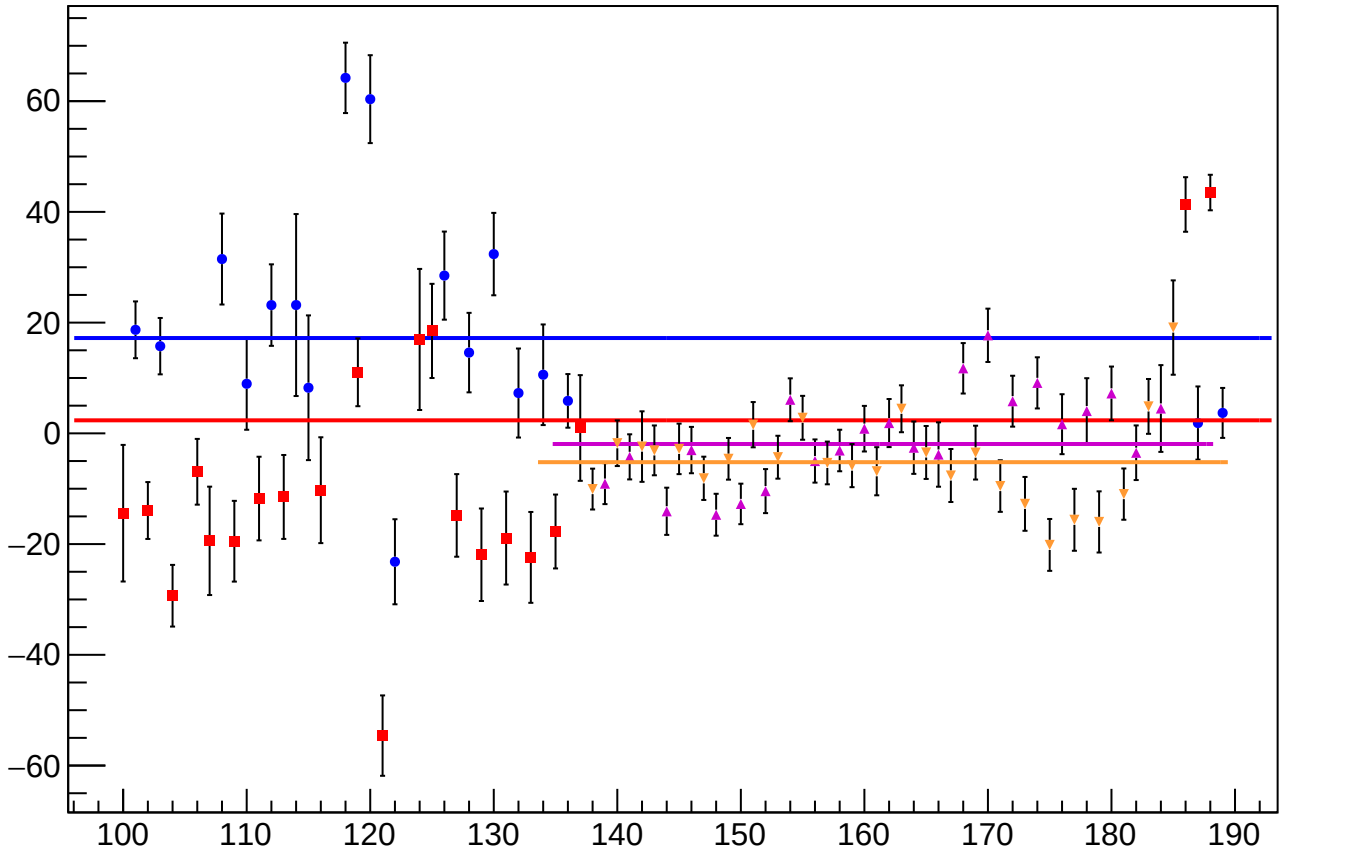
Right Out: 73530.974+/-17.638 χ^2/NDF: 326480.2/20

Left In: 88023.592+/-14.651 χ^2/NDF:484812.2/22

+ sign 83669.459+/-11.445 χ^2/NDF: 1098828.9/42

All: 82876.026+/-8.030 χ^2/NDF: 2319070.8/8

- sign 82106.704+/-11.270 χ^2/NDF: 1210776.6/43



Right In: 17.216+/-1.608 χ^2/NDF: 145.5/17

Left Out: -5.206+/-0.894 χ^2/NDF:51.0/24

Right Out: 2.352+/-1.445 χ^2/NDF: 403.1/20

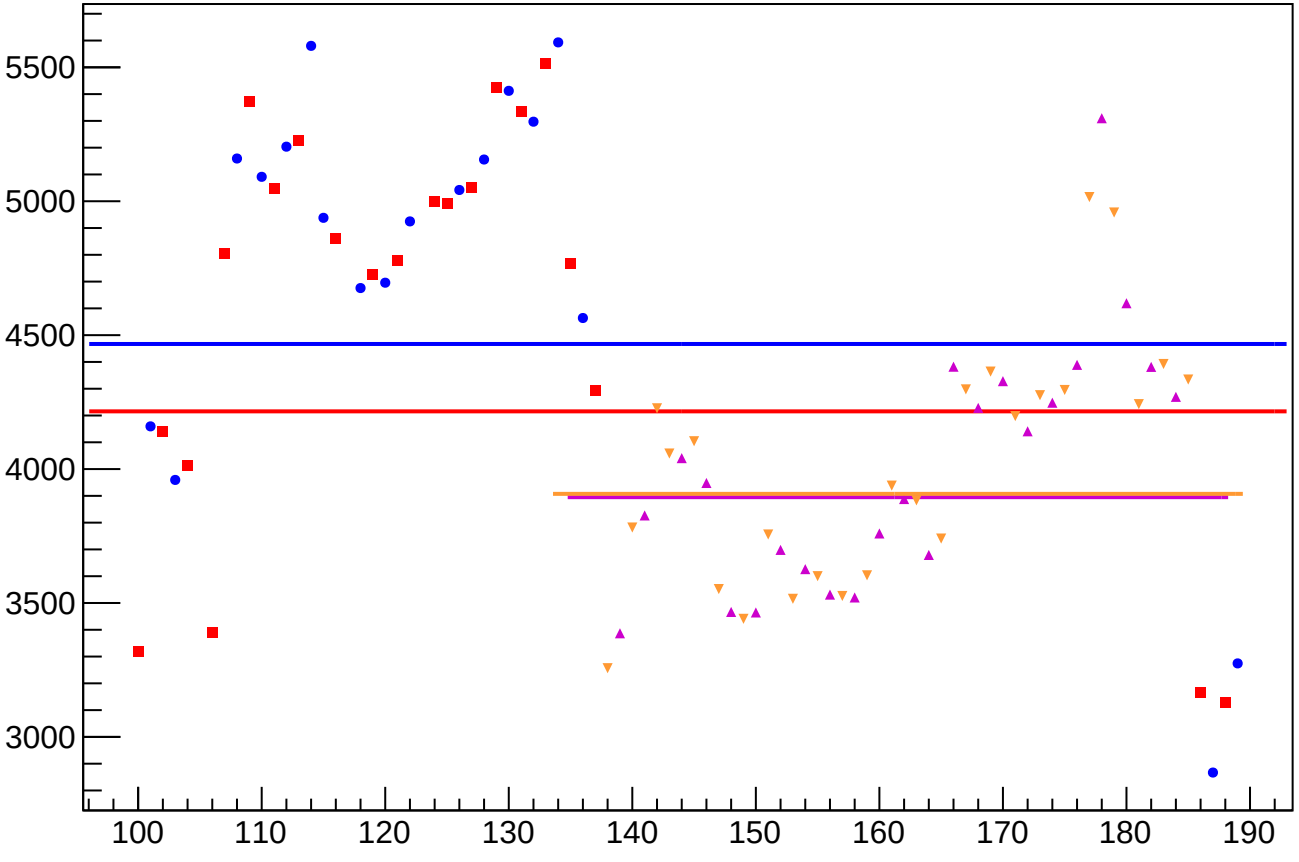
Left In: -1.924+/-0.916 χ^2/NDF:83.2/22

+ sign 0.089+/-0.781 χ^2/NDF: 345.1/42

All: -0.308+/-0.550 χ^2/NDF: 838.1/86

- sign -0.697+/-0.774 χ^2/NDF: 492.5/43

diff_bpm0r05Y_rms vs Slug



Right In: 4467.061+/-1.137 χ^2/NDF: 466197.3/17

Left Out: 3907.465+/-0.632 χ^2/NDF:441202.5/24

Right Out: 4215.491+/-1.022 χ^2/NDF: 716312.6/20

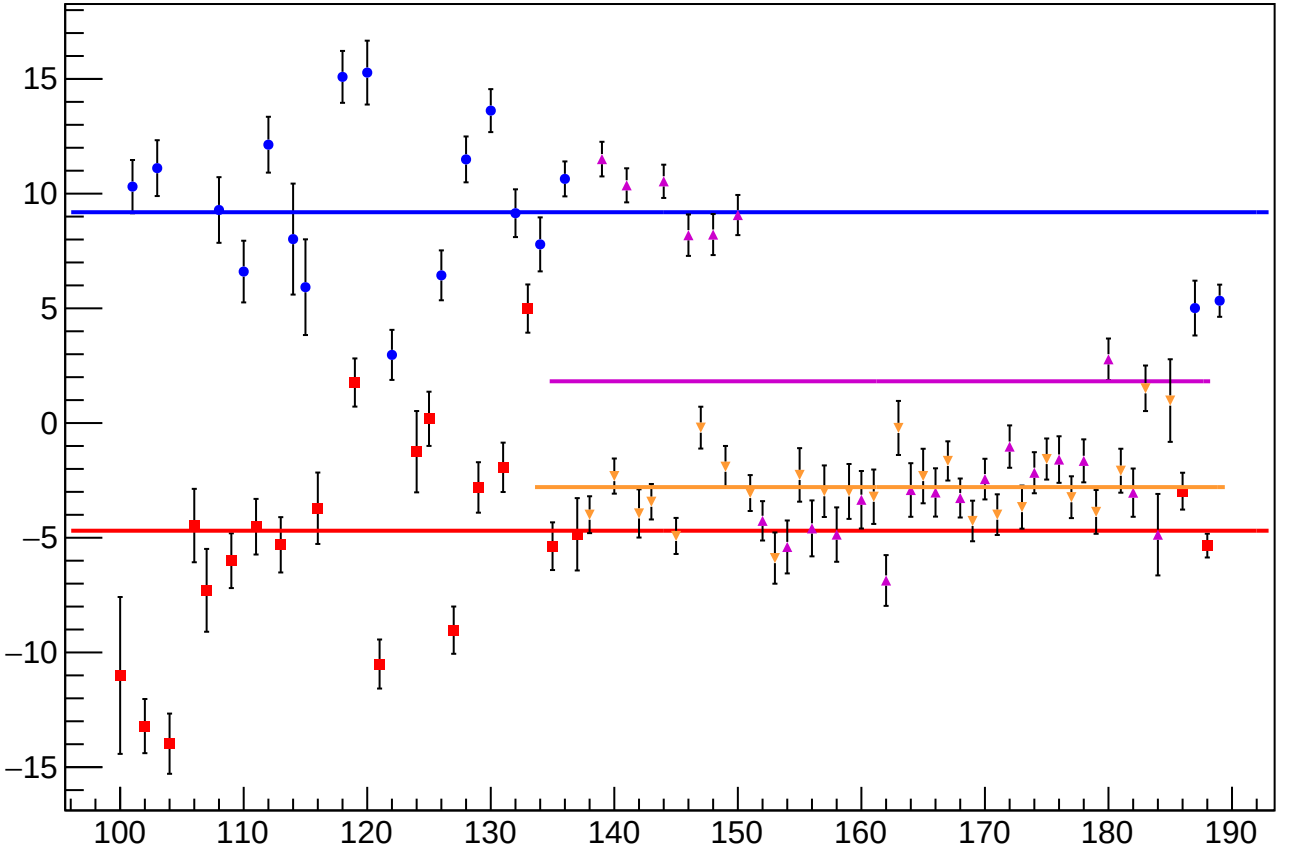
Left In: 3895.108+/-0.648 χ^2/NDF:409913.9/22

+ sign 4039.607+/-0.552 χ^2/NDF: 1092506.2/42

All: 4013.046+/-0.389 χ^2/NDF: 2293436.0/86

- sign 3986.985+/-0.547 χ^2/NDF: 1196349.4/43

diff_bpm2i01X_mean vs Slug



Right In: 9.190+/-0.260 χ^2/NDF: 176.1/17

Left Out: -2.792+/-0.190 χ^2/NDF:68.4/24

Right Out: -4.693+/-0.239 χ^2/NDF: 316.4/20

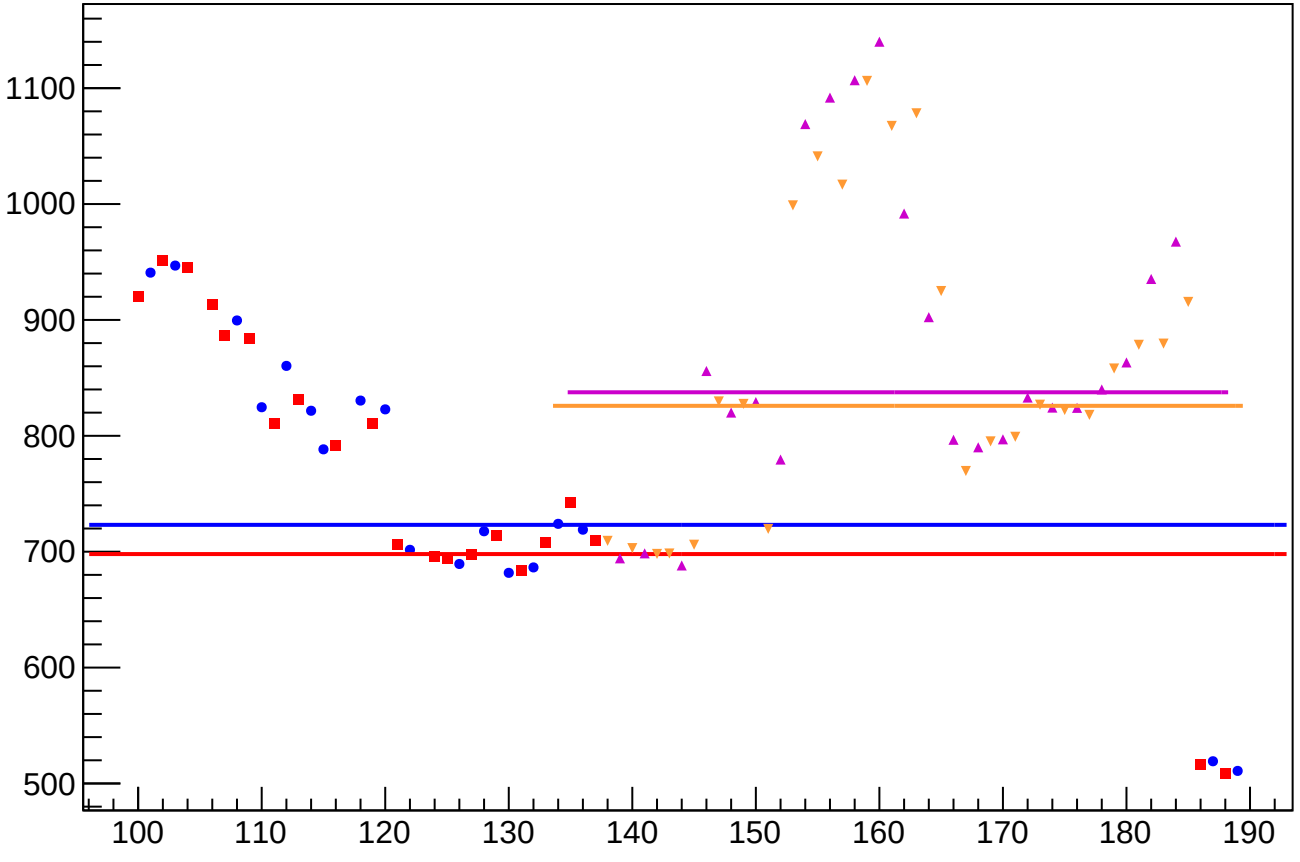
Left In: 1.820+/-0.198 χ^2/NDF:1026.0/22

+ sign 1.375+/-0.154 χ^2/NDF: 1626.8/42

All: 0.263+/-0.108 χ^2/NDF: 3513.6/86

- sign -0.834+/-0.153 χ^2/NDF: 1782.6/43

diff_bpm2i01X_rms vs Slug



Right In: 723.170+/-0.184 χ^2/NDF: 489592.6/17

Left Out: 825.883+/-0.134 χ^2/NDF:765050.9/24

Right Out: 697.961+/-0.169 χ^2/NDF: 723553.4/20

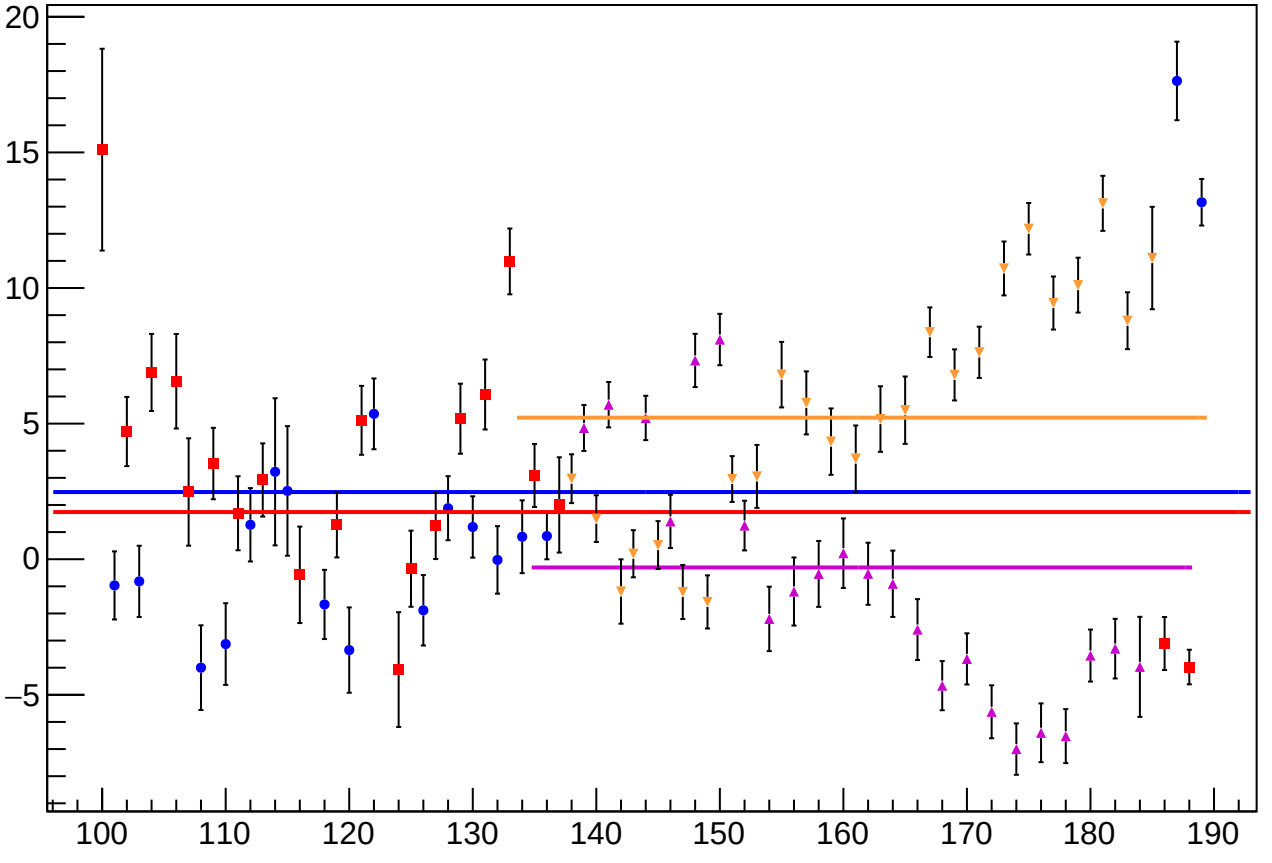
Left In: 837.569+/-0.140 χ^2/NDF:714157.0/22

\+ sign 790.161+/-0.109 χ^2/NDF: 1457766.8/42

All: 785.391+/-0.077 χ^2/NDF: 3303795.6/86

\- sign 780.681+/-0.108 χ^2/NDF: 1842190.6/43

diff_bpm2i01Y_mean vs Slug



Right In: 2.476+/-0.301 χ^2/NDF: 361.7/17

Left Out: 5.219+/-0.204 χ^2/NDF:449.9/24

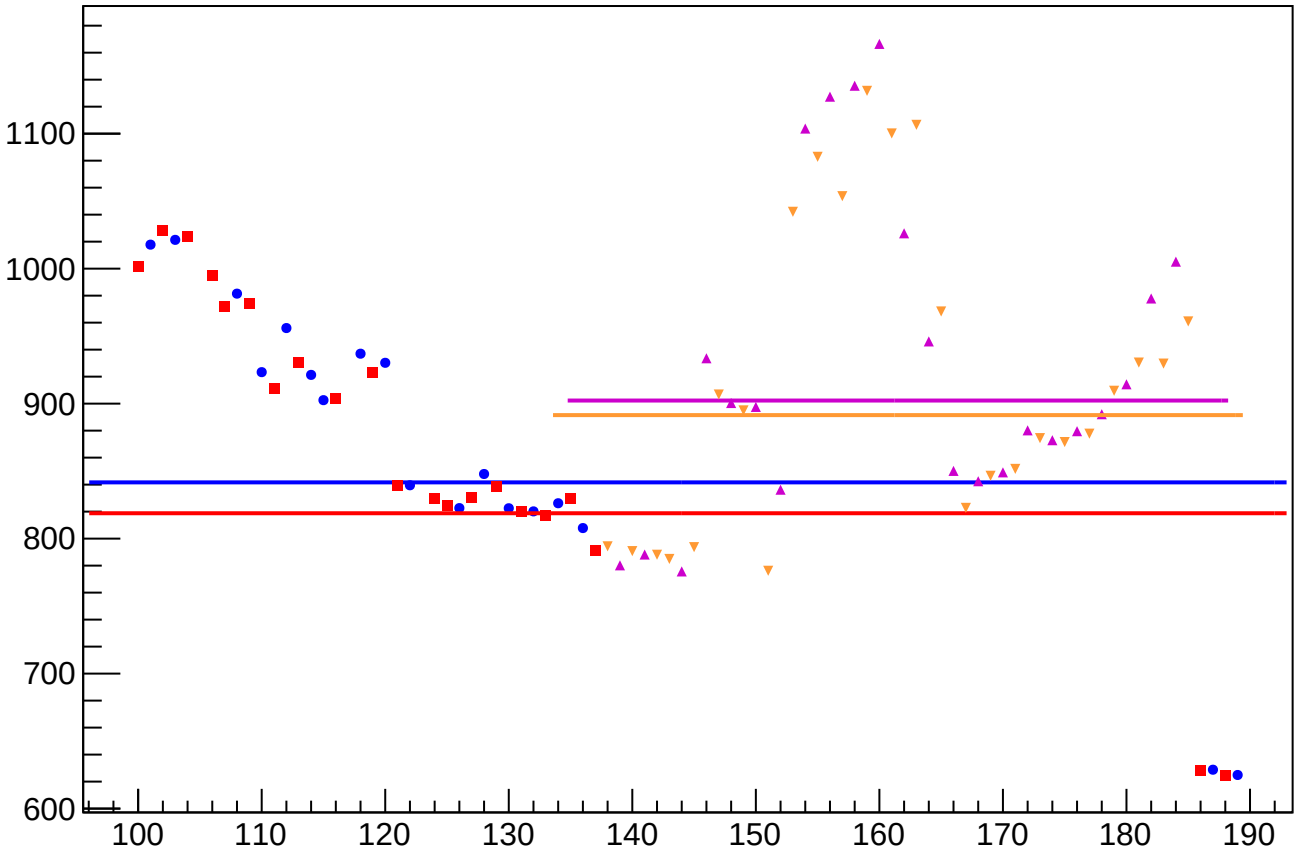
Right Out: 1.739+/-0.278 χ^2/NDF: 243.5/20

Left In: -0.304+/-0.213 χ^2/NDF:495.2/22

+ sign 4.354+/-0.169 χ^2/NDF: 868.4/42

All: 2.400+/-0.120 χ^2/NDF: 1908.1/86

- sign 0.449+/-0.169 χ^2/NDF: 772.8/43



Right In: 841.666+/-0.213 χ^2/NDF: 309560.9/17

Left Out: 891.492+/-0.145 χ^2/NDF:517791.6/24

Right Out: 818.800+/-0.197 χ^2/NDF: 466838.4/20

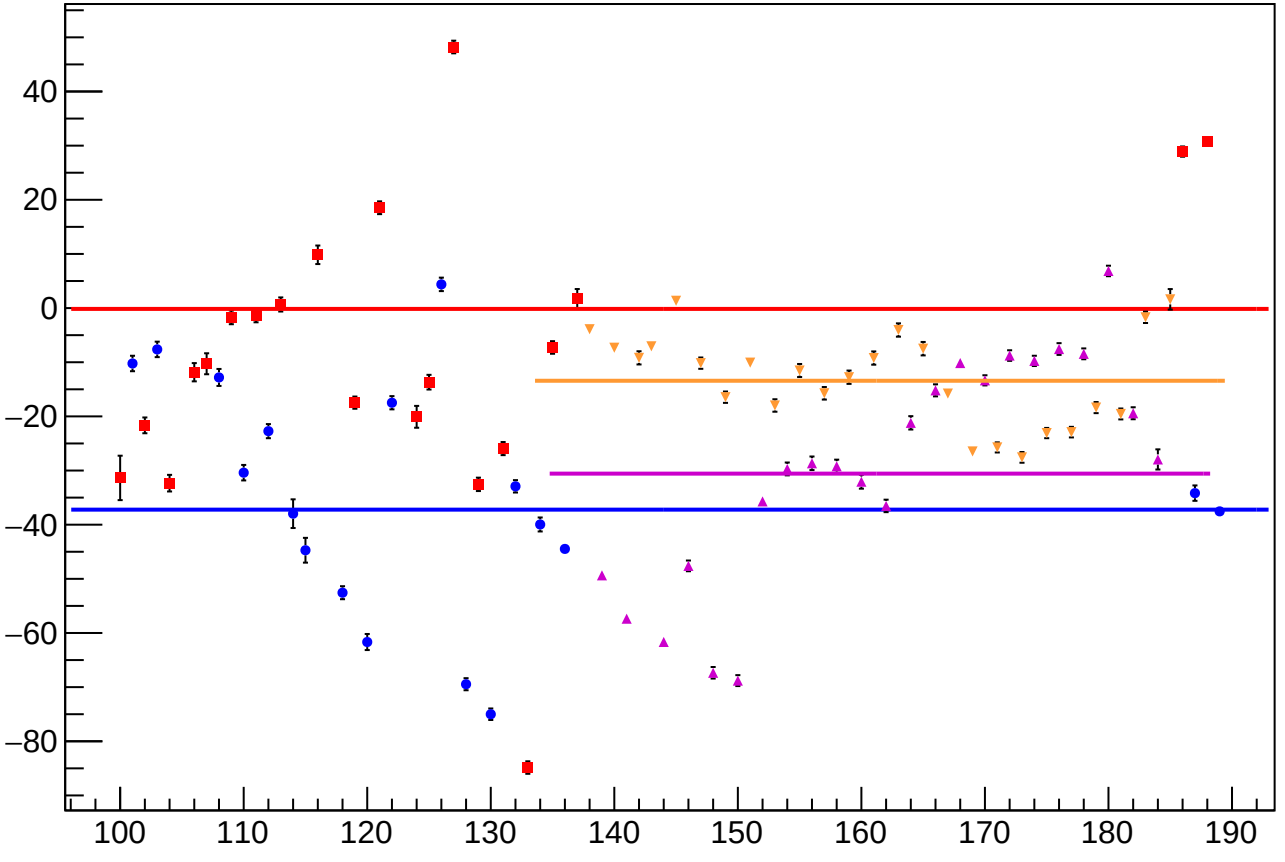
Left In: 902.292+/-0.150 χ^2/NDF:484924.8/22

+ sign 875.783+/-0.120 χ^2/NDF: 864832.4/42

All: 873.643+/-0.085 χ^2/NDF: 1930902.9/86

- sign 871.507+/-0.119 χ^2/NDF: 1065430.7/43

diff_bpm2i02X_mean vs Slug



Right In: -37.222+/-0.293 χ^2/NDF: 5189.6/17

Left Out: -13.420+/-0.206 χ^2/NDF:1663.3/24

Right Out: -0.152+/-0.271 χ^2/NDF: 13252.0/20

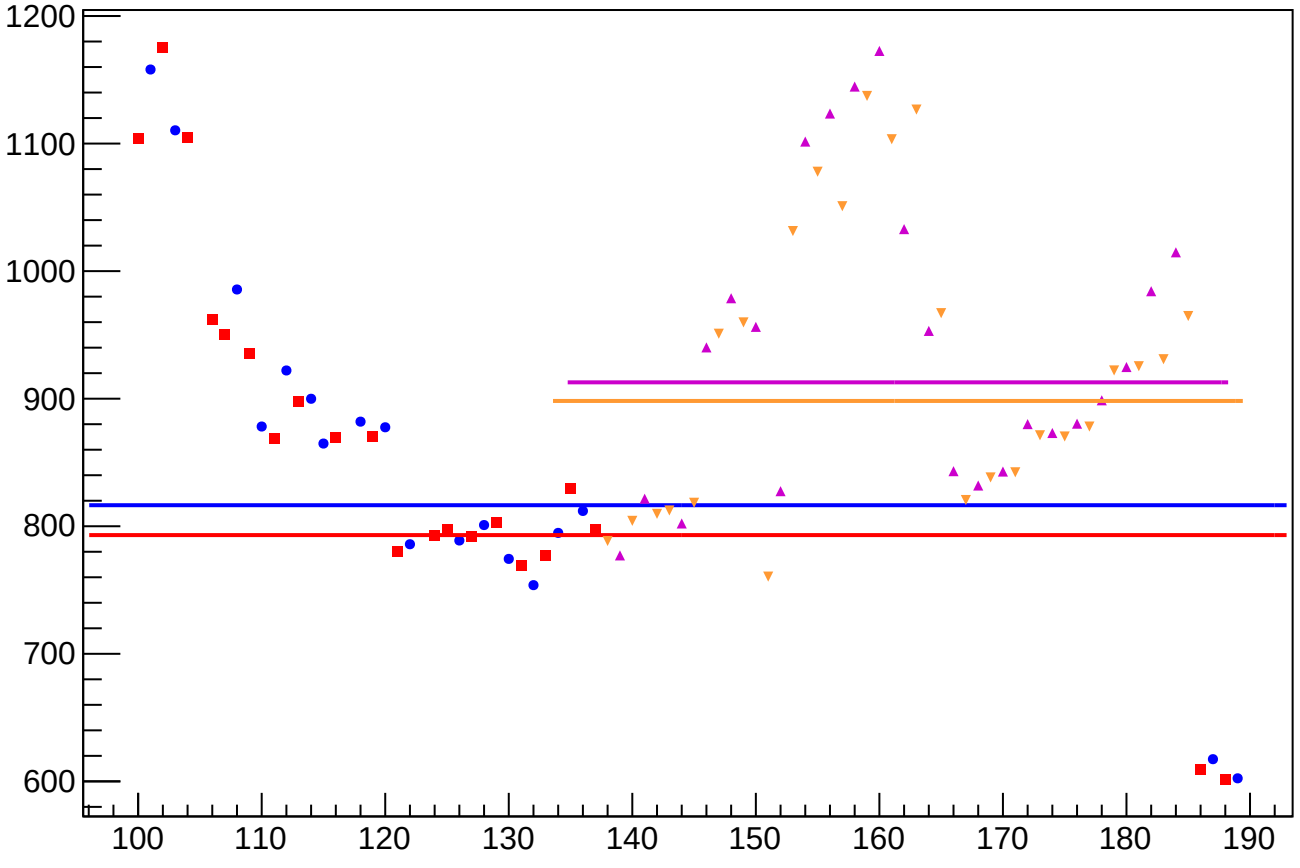
Left In: -30.571+/-0.215 χ^2/NDF:10386.5/22

\+ sign -21.278+/-0.169 χ^2/NDF: 11262.1/42

All: -20.029+/-0.119 χ^2/NDF: 42755.7/86

\- sign -18.783+/-0.168 χ^2/NDF: 31383.9/43

diff_bpm2i02X_rms vs Slug



Right In: 816.496+/-0.207 χ^2/NDF: 437208.2/17

Left Out: 898.227+/-0.146 χ^2/NDF:518370.6/24

Right Out: 793.067+/-0.191 χ^2/NDF: 596923.7/20

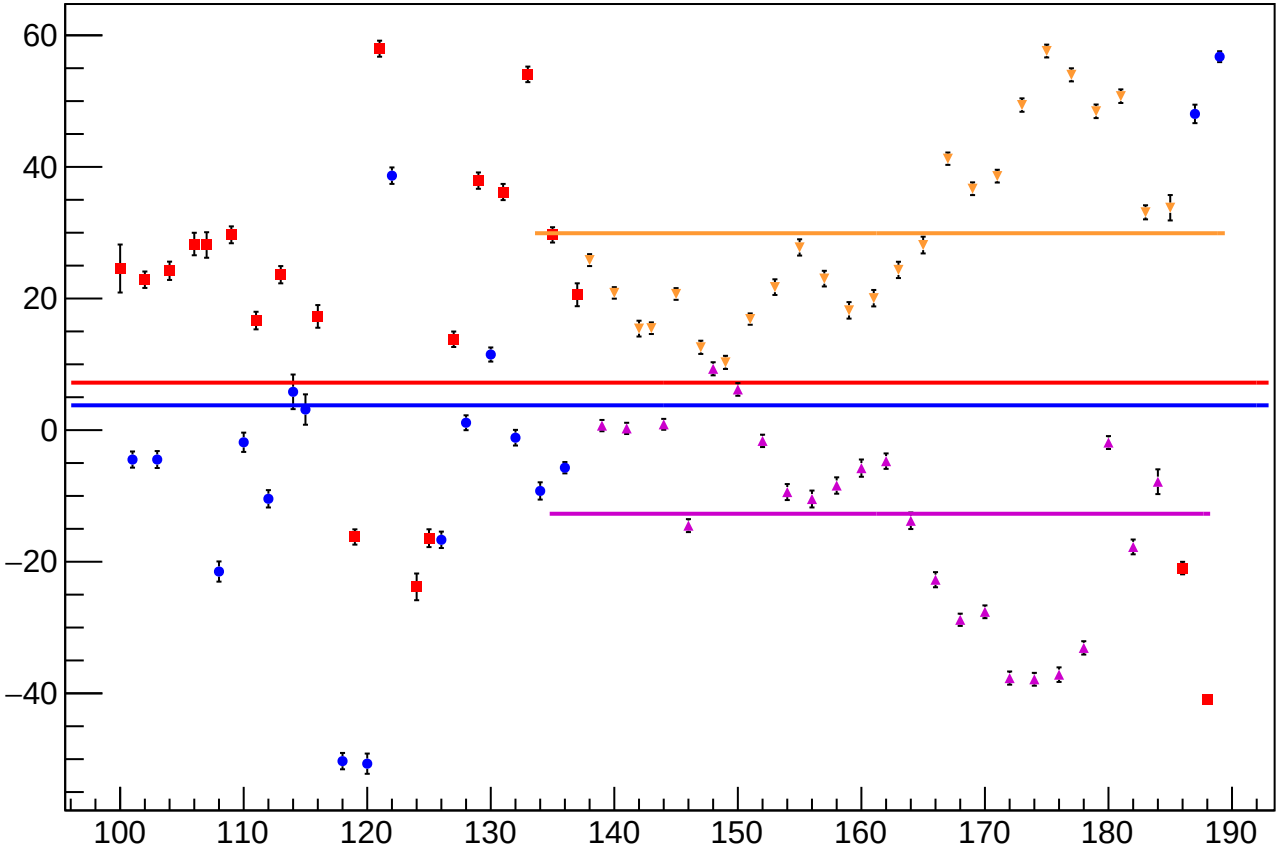
Left In: 912.817+/-0.152 χ^2/NDF:480021.0/22

+ sign 871.245+/-0.119 χ^2/NDF: 1059559.8/42

All: 868.825+/-0.084 χ^2/NDF: 2377380.8/86

- sign 866.410+/-0.119 χ^2/NDF: 1316997.2/43

diff_bpm2i02Y_mean vs Slug



Right In: 3.770+/-0.293 χ^2/NDF: 10067.9/17

Left Out: 29.922+/-0.209 χ^2/NDF:4580.4/24

Right Out: 7.215+/-0.270 χ^2/NDF: 14072.1/20

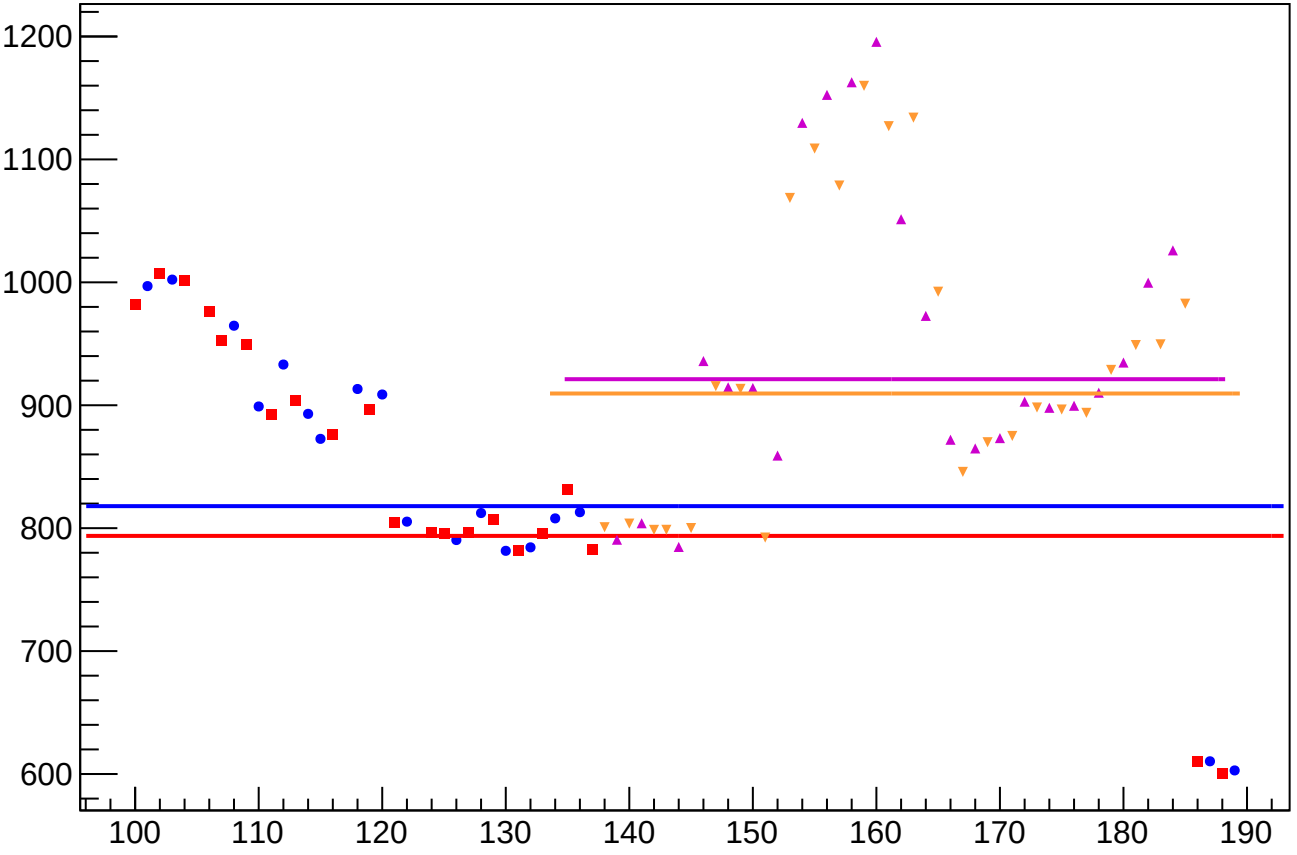
Left In: -12.708+/-0.217 χ^2/NDF:4791.2/22

\+ sign 21.121+/-0.170 χ^2/NDF: 19939.6/42

All: 8.067+/-0.120 χ^2/NDF: 53872.9/86

\- sign -4.881+/-0.169 χ^2/NDF: 22171.1/43

diff_bpm2i02Y_rms vs Slug



Right In: 817.919+/-0.207 χ^2/NDF: 328512.2/17

Left Out: 909.552+/-0.147 χ^2/NDF:541710.0/24

Right Out: 793.712+/-0.191 χ^2/NDF: 495566.6/20

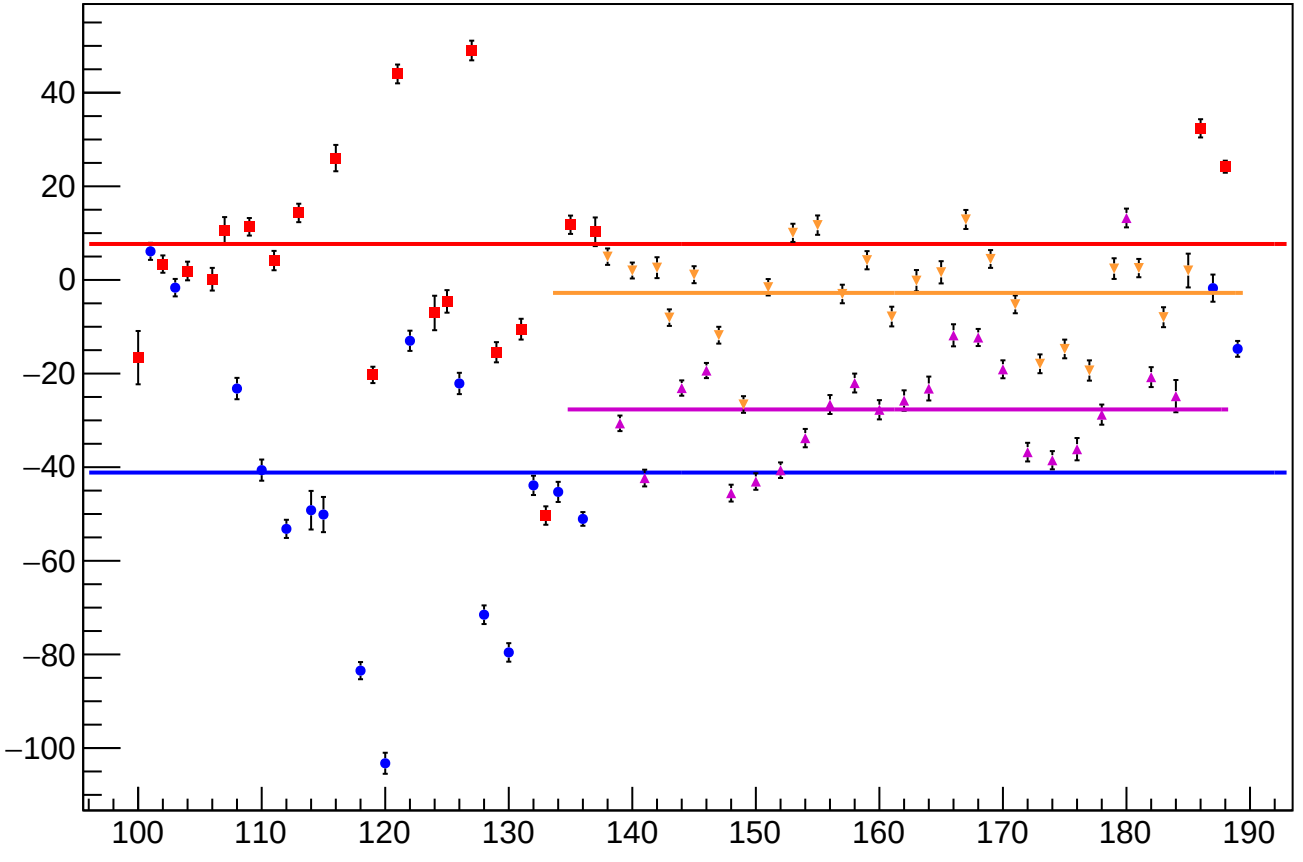
Left In: 921.198+/-0.154 χ^2/NDF:497337.0/22

+ sign 878.716+/-0.120 χ^2/NDF: 1000145.5/42

All: 874.898+/-0.085 χ^2/NDF: 2265945.2/86

- sign 871.111+/-0.120 χ^2/NDF: 1263787.8/43

diff_bpm0i02X_mean vs Slug



Right In: -41.148+/-0.490 χ^2/NDF: 3857.9/17

Left Out: -2.767+/-0.397 χ^2/NDF:616.1/24

Right Out: 7.683+/-0.460 χ^2/NDF: 2497.5/20

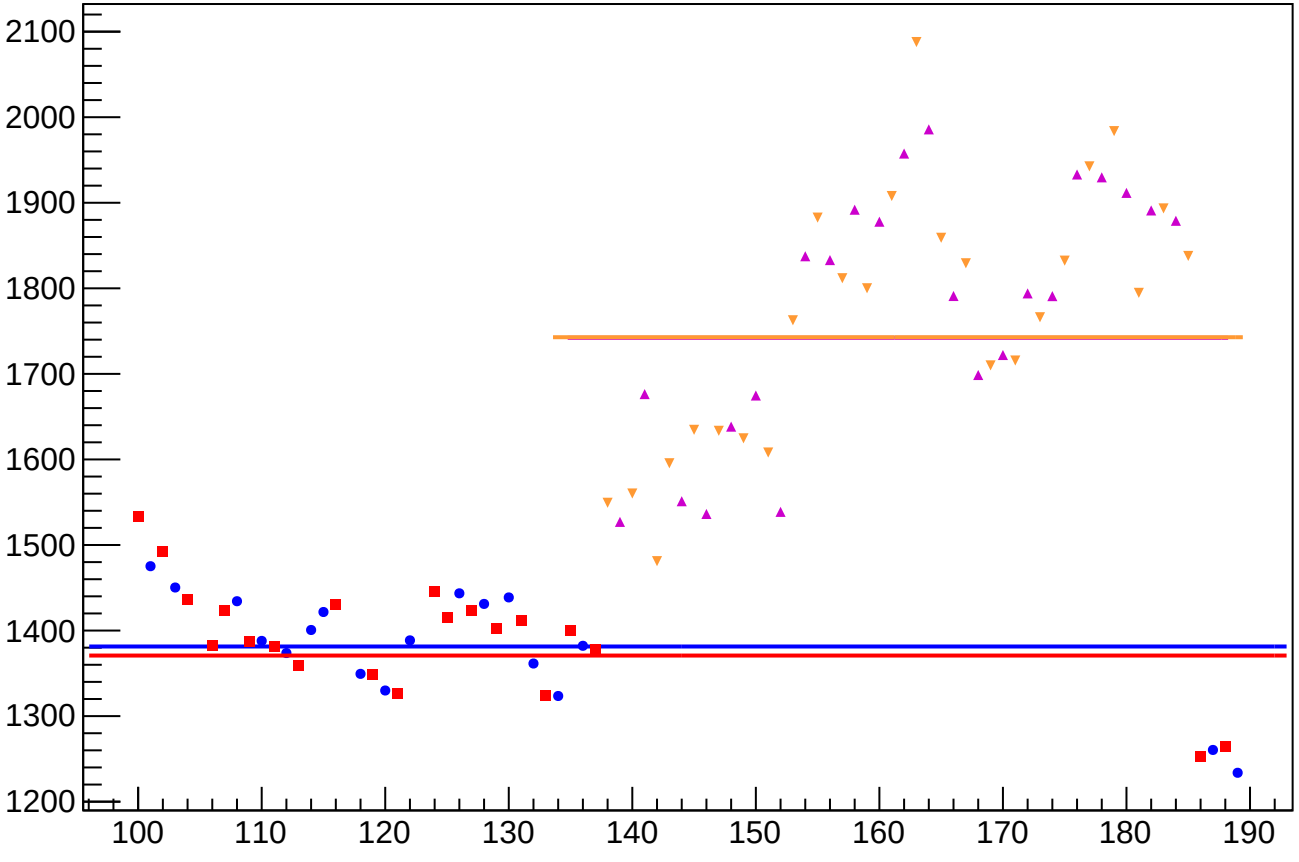
Left In: -27.663+/-0.409 χ^2/NDF:989.9/22

+ sign -18.002+/-0.309 χ^2/NDF: 8176.1/42

All: -15.008+/-0.217 χ^2/NDF: 15148.4/86

- sign -12.073+/-0.306 χ^2/NDF: 6785.9/43

diff_bpm0i02X_rms vs Slug



Right In: 1381.373+/-0.346 χ^2/NDF: 35859.6/17

Left Out: 1742.842+/-0.281 χ^2/NDF:263118.4/24

Right Out: 1370.786+/-0.325 χ^2/NDF: 42079.1/20

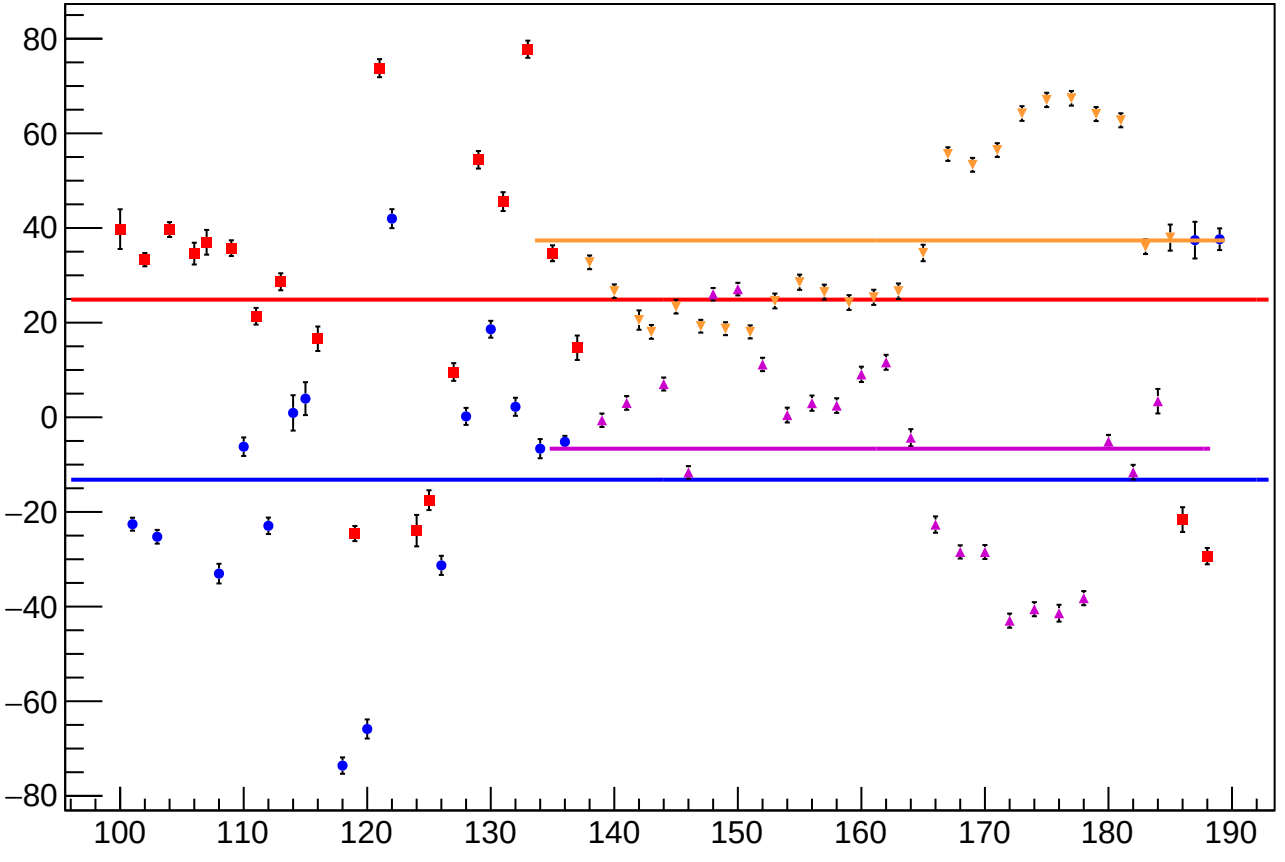
Left In: 1742.153+/-0.289 χ^2/NDF:261606.6/22

+ sign 1599.366+/-0.218 χ^2/NDF: 955732.1/42

All: 1588.757+/-0.154 χ^2/NDF: 1992340.3/86

- sign 1578.356+/-0.216 χ^2/NDF: 1031927.6/43

diff_bpm0i02Y_mean vs Slug



Right In: -13.183+/-0.444 χ^2/NDF: 4172.9/17

Left Out: 37.369+/-0.308 χ^2/NDF:3395.8/24

Right Out: 24.866+/-0.425 χ^2/NDF: 5106.6/20

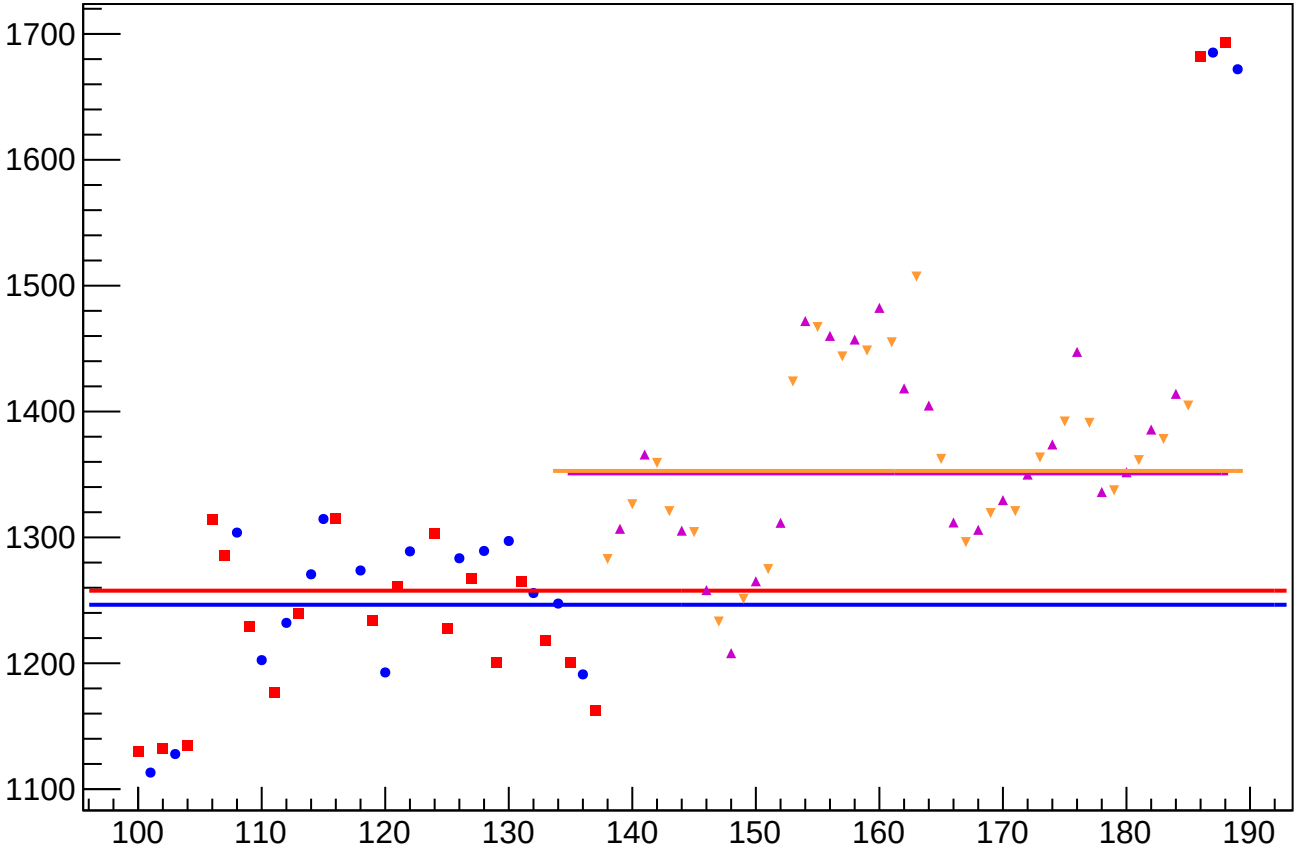
Left In: -6.631+/-0.316 χ^2/NDF:4410.3/22

+ sign 20.936+/-0.253 χ^2/NDF: 16333.1/42

All: 12.787+/-0.179 χ^2/NDF: 31471.7/86

- sign 4.599+/-0.254 χ^2/NDF: 13057.6/43

diff_bpm0i02Y_rms vs Slug



Right In: 1246.473+/-0.314 χ^2/NDF: 140162.4/17

Left Out: 1352.820+/-0.218 χ^2/NDF:104845.3/24

Right Out: 1257.668+/-0.300 χ^2/NDF: 226694.9/20

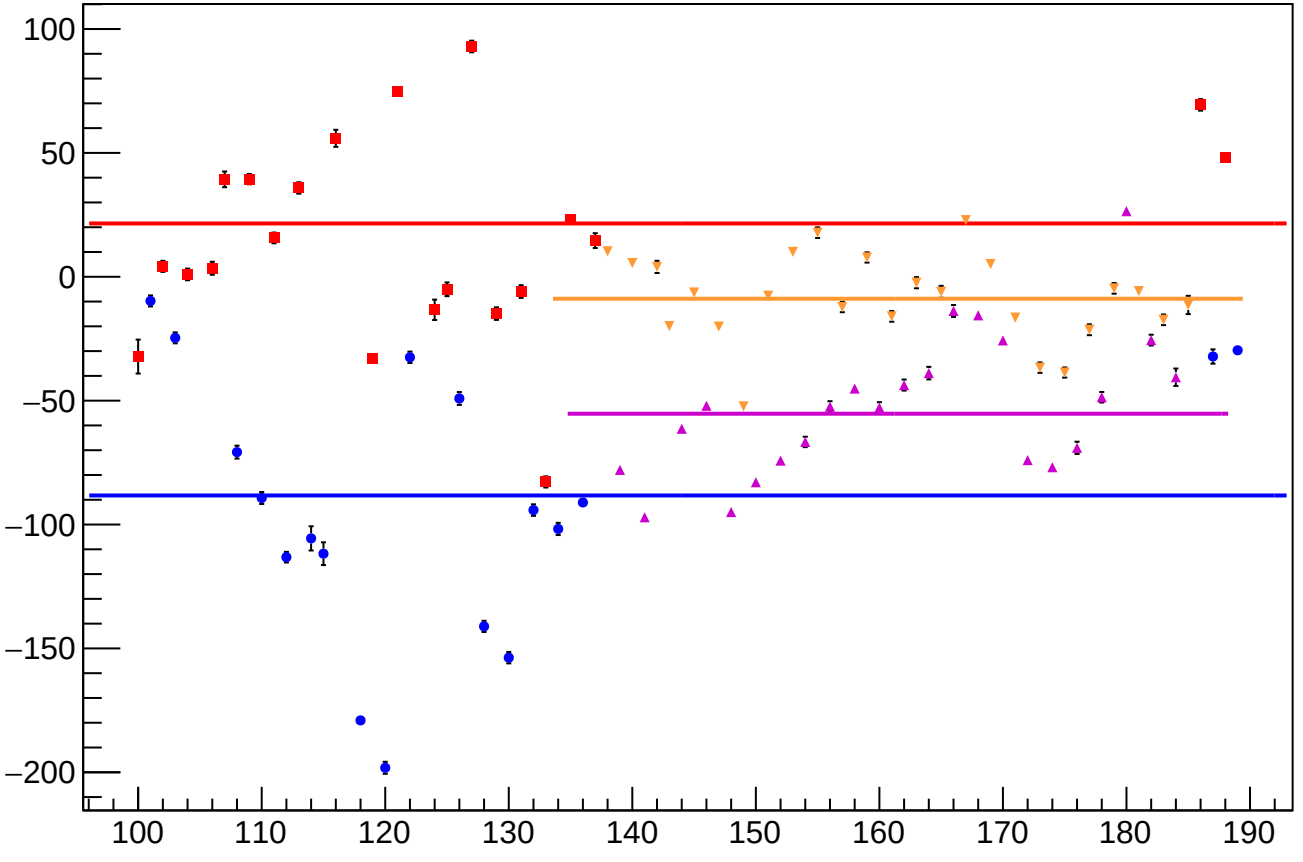
Left In: 1350.830+/-0.223 χ^2/NDF:108618.5/22

\+ sign 1318.251+/-0.179 χ^2/NDF: 322583.4/42

All: 1317.933+/-0.127 χ^2/NDF: 719851.4/86

\- sign 1317.614+/-0.179 χ^2/NDF: 397261.7/43

diff_bpm0i02aX_mean vs Slug



Right In: -88.269+/-0.538 χ^2/NDF: 10138.2/17

Left Out: -8.859+/-0.407 χ^2/NDF:1953.2/24

Right Out: 21.524+/-0.508 χ^2/NDF: 6367.6/20

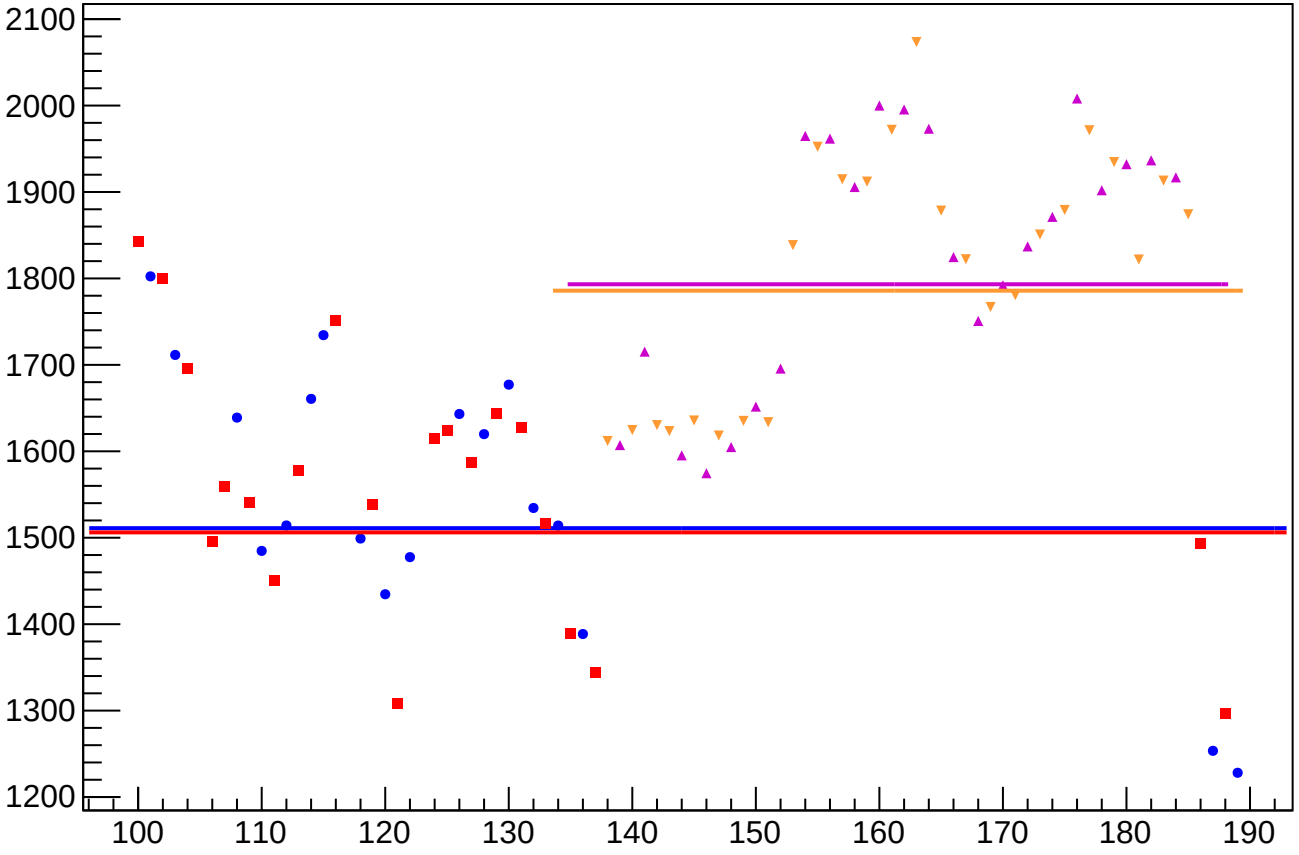
Left In: -55.266+/-0.420 χ^2/NDF:4736.1/22

+ sign -37.757+/-0.325 χ^2/NDF: 25932.3/42

All: -30.864+/-0.229 χ^2/NDF: 51509.0/86

- sign -24.012+/-0.324 χ^2/NDF: 24678.4/43

diff_bpm0i02aX_rms vs Slug



Right In: 1511.084+/-0.381 χ^2/NDF: 171670.3/17

Left Out: 1785.836+/-0.288 χ^2/NDF:237239.4/24

Right Out: 1506.188+/-0.359 χ^2/NDF: 168521.9/20

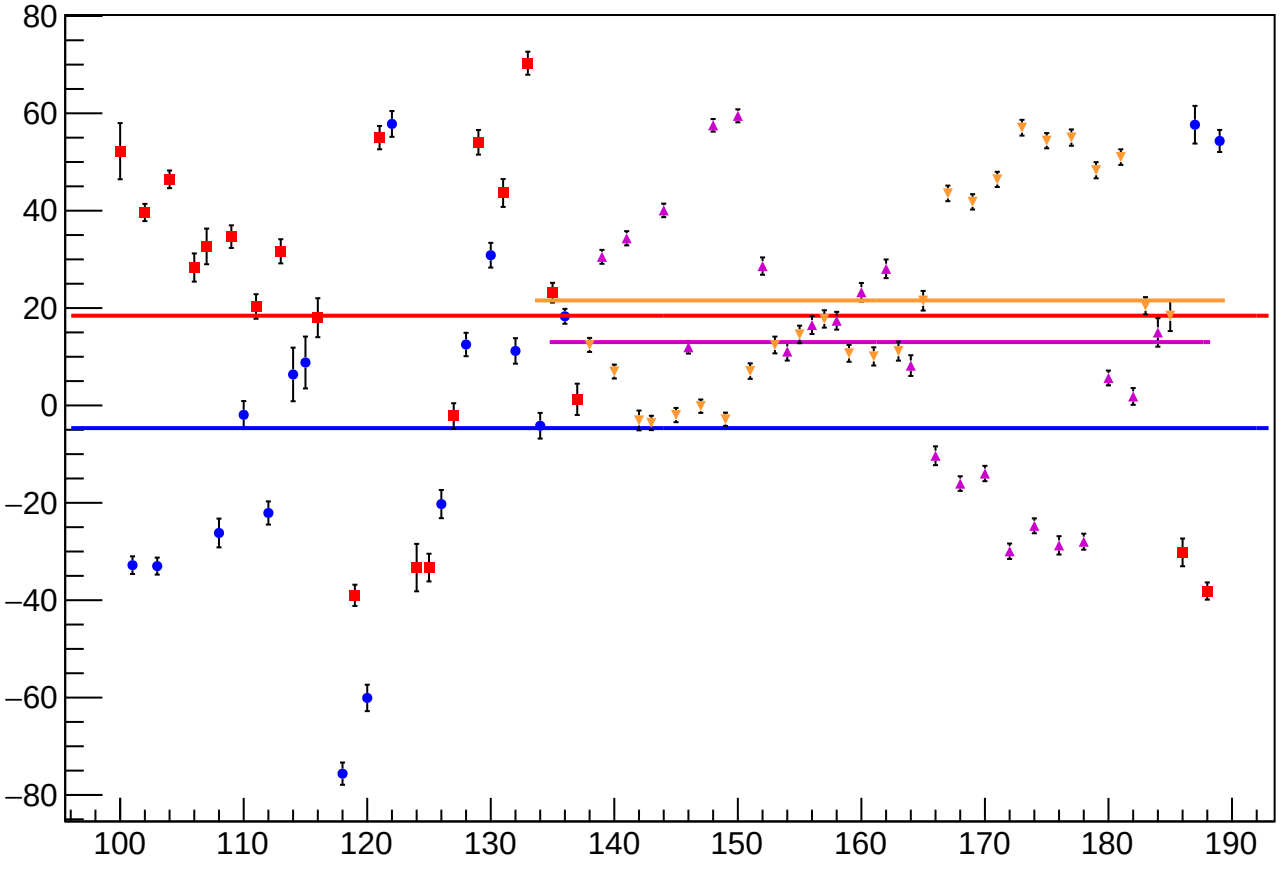
Left In: 1793.249+/-0.297 χ^2/NDF:252788.2/22

+ sign 1685.852+/-0.230 χ^2/NDF: 740293.6/42

All: 1681.119+/-0.162 χ^2/NDF: 1541847.7/86

- sign 1676.413+/-0.229 χ^2/NDF: 800706.8/43

diff_bpm0i02aY_mean vs Slug



Right In: -4.655+/-0.576 χ^2/NDF: 4032.3/17

Left Out: 21.567+/-0.330 χ^2/NDF:4160.8/24

Right Out: 18.431+/-0.546 χ^2/NDF: 4054.0/20

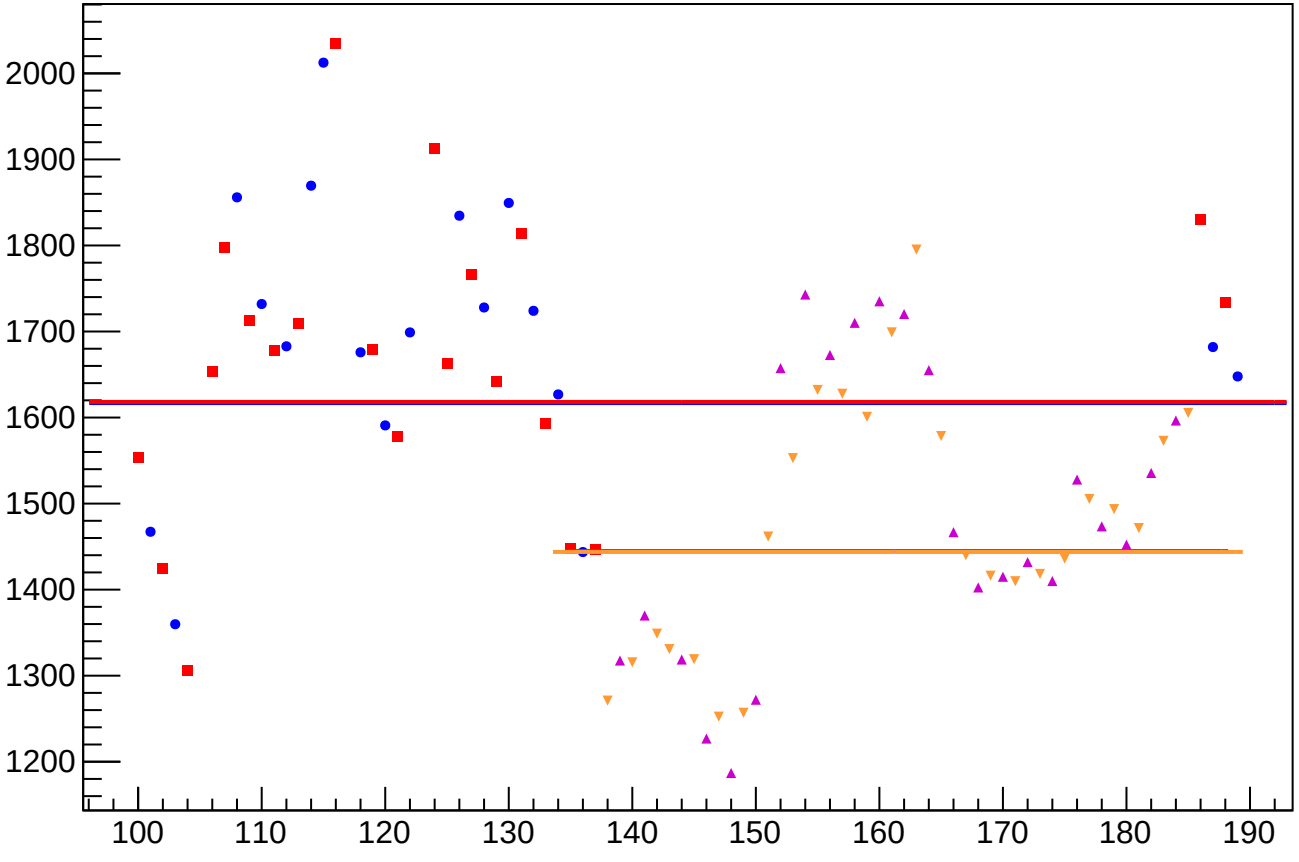
Left In: 13.014+/-0.340 χ^2/NDF:6627.2/22

+ sign 15.095+/-0.286 χ^2/NDF: 9752.1/42

All: 14.813+/-0.203 χ^2/NDF: 20506.2/86

- sign 14.527+/-0.289 χ^2/NDF: 10752.1/43

diff_bpm0i02aY_rms vs Slug



Right In: 1616.862+/-0.408 χ^2/NDF: 155725.5/17

Left Out: 1443.826+/-0.233 χ^2/NDF:352397.9/24

Right Out: 1618.152+/-0.386 χ^2/NDF: 183118.1/20

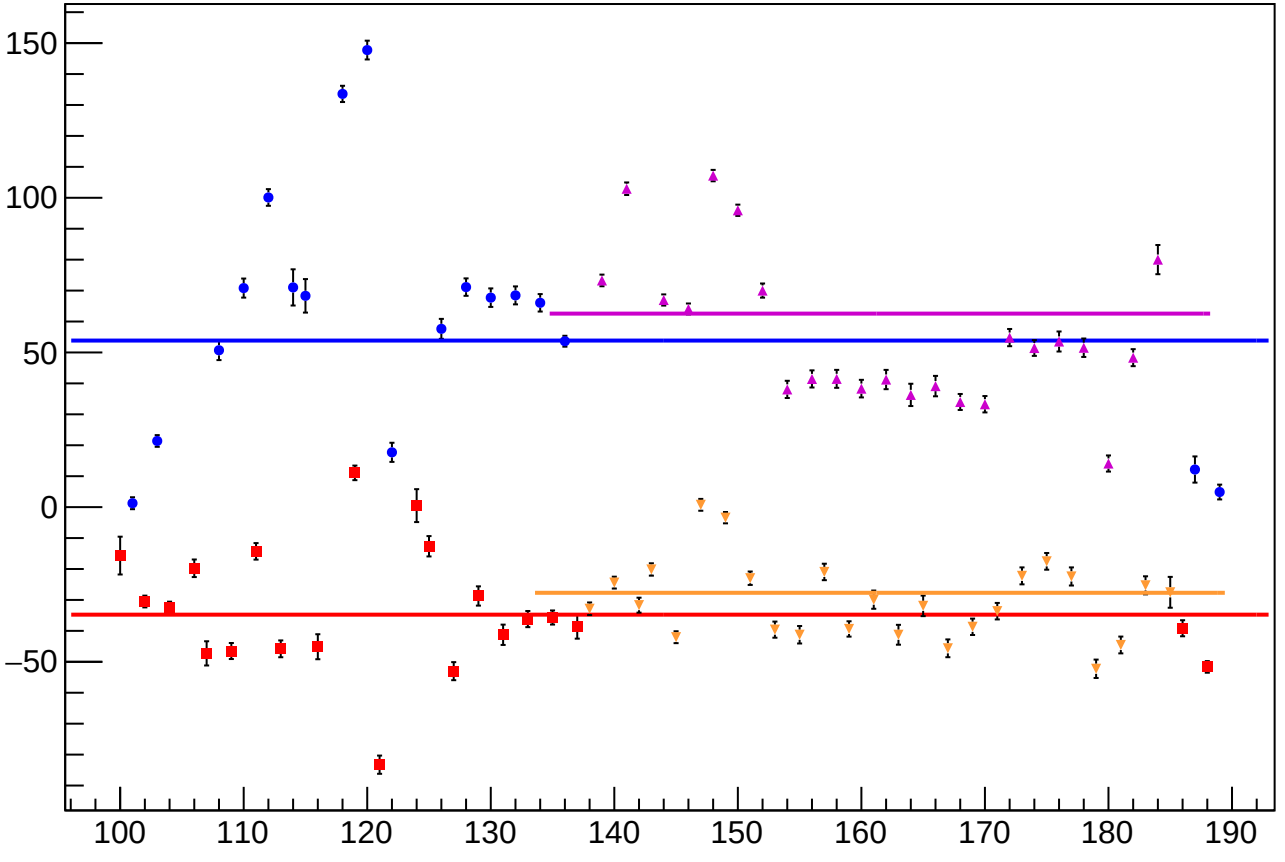
Left In: 1444.817+/-0.240 χ^2/NDF:485230.7/22

+ sign 1486.532+/-0.202 χ^2/NDF: 643903.7/42

All: 1489.853+/-0.144 χ^2/NDF: 1457946.0/86

- sign 1493.228+/-0.204 χ^2/NDF: 813499.8/43

diff_bpm0i05X_mean vs Slug



Right In: 53.845+/-0.640 χ^2/NDF: 4012.2/17

Left Out: -27.692+/-0.496 χ^2/NDF:766.1/24

Right Out: -34.762+/-0.596 χ^2/NDF: 1027.4/20

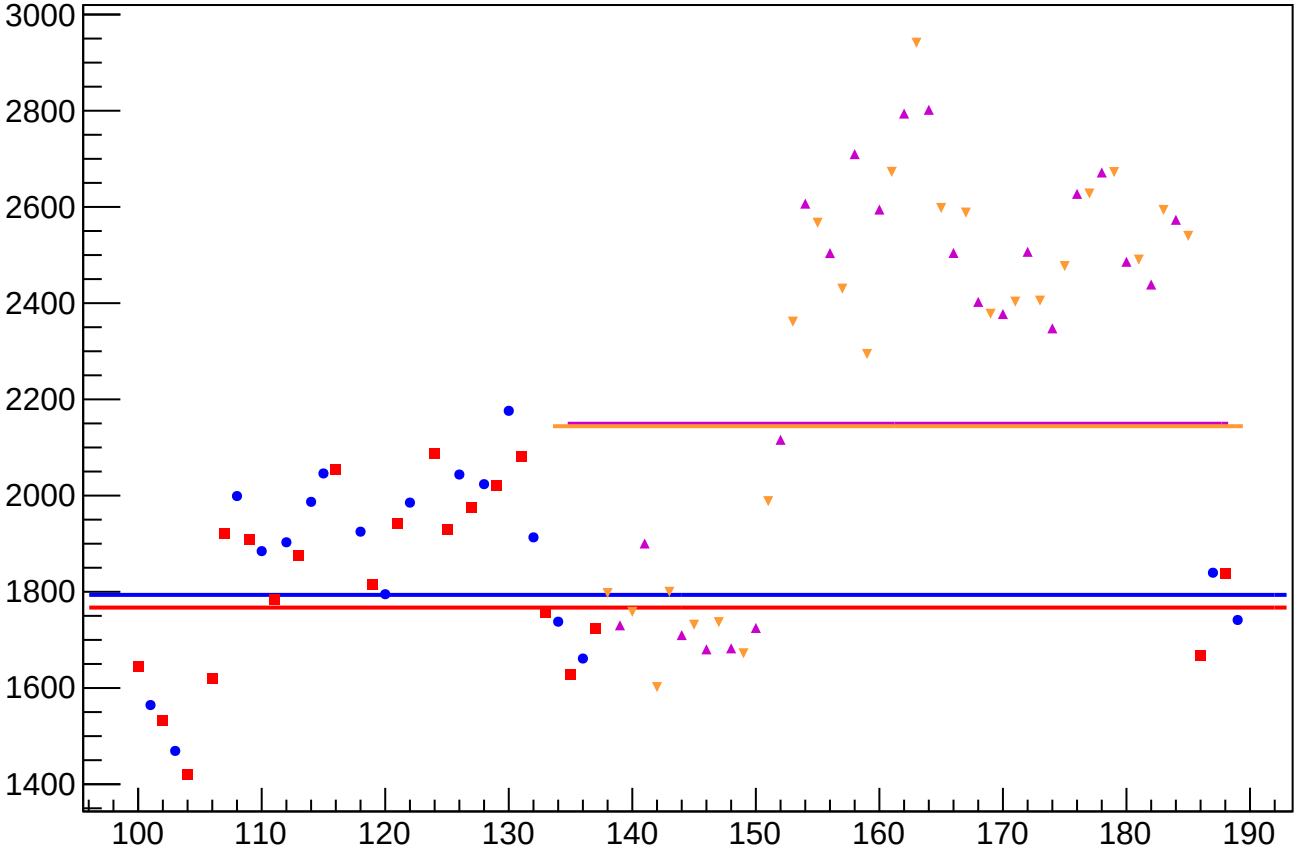
Left In: 62.558+/-0.512 χ^2/NDF:2458.2/22

+ sign 2.909+/-0.392 χ^2/NDF: 14919.4/42

All: 12.186+/-0.276 χ^2/NDF: 34849.8/86

- sign 21.290+/-0.388 χ^2/NDF: 18820.9/43

diff_bpm0i05X_rms vs Slug



Right In: 1793.601+/-0.453 χ^2/NDF: 194396.6/17

Left Out: 2144.219+/-0.351 χ^2/NDF:1279852.9/24

Right Out: 1767.228+/-0.422 χ^2/NDF: 195782.9/20

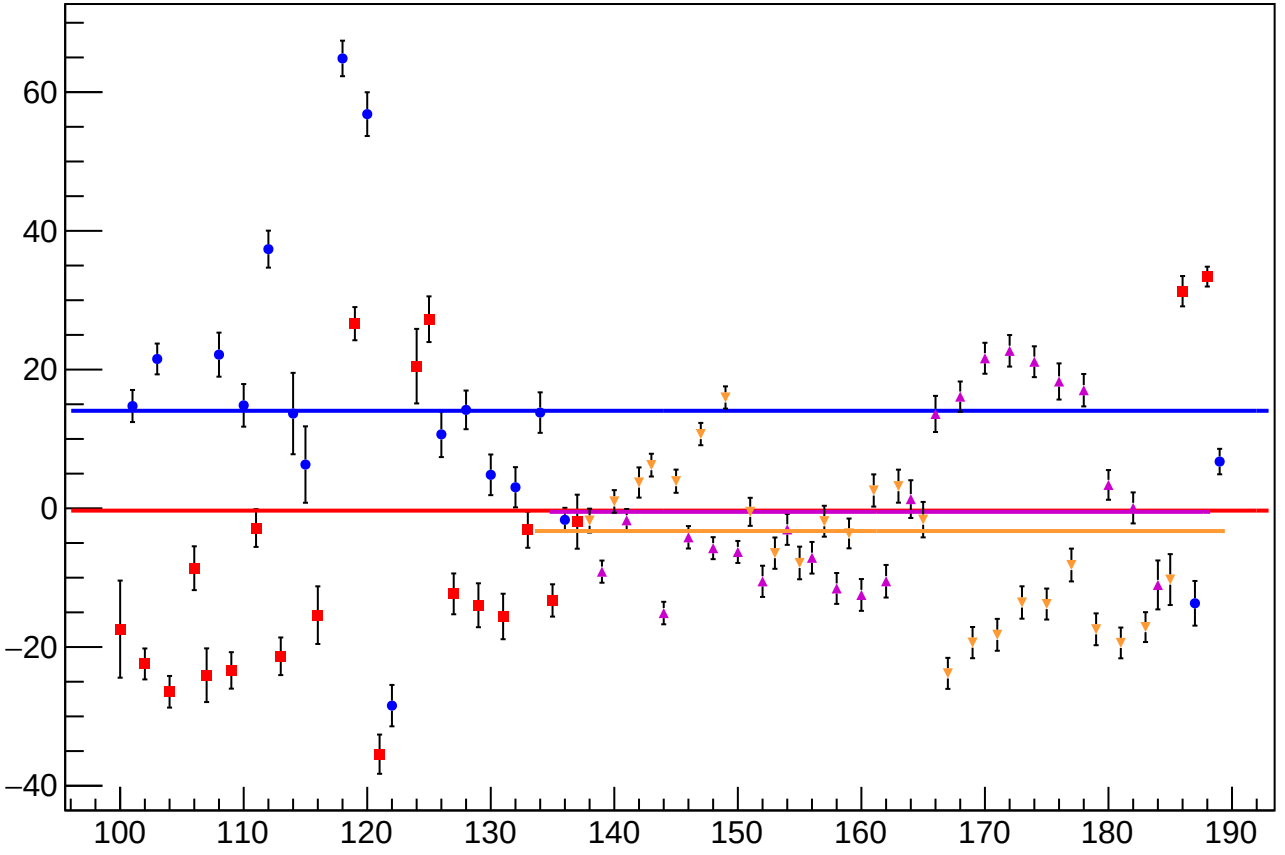
Left In: 2149.354+/-0.362 χ^2/NDF:1265722.5/22

+ sign 2012.631+/-0.277 χ^2/NDF: 1849283.2/42

All: 1999.855+/-0.195 χ^2/NDF: 3787860.2/86

- sign 1987.318+/-0.275 χ^2/NDF: 1934369.0/43

diff_bpm0i05Y_mean vs Slug



Right In: 14.060+/-0.637 χ^2/NDF: 1074.5/17

Left Out: -3.275+/-0.415 χ^2/NDF:671.1/24

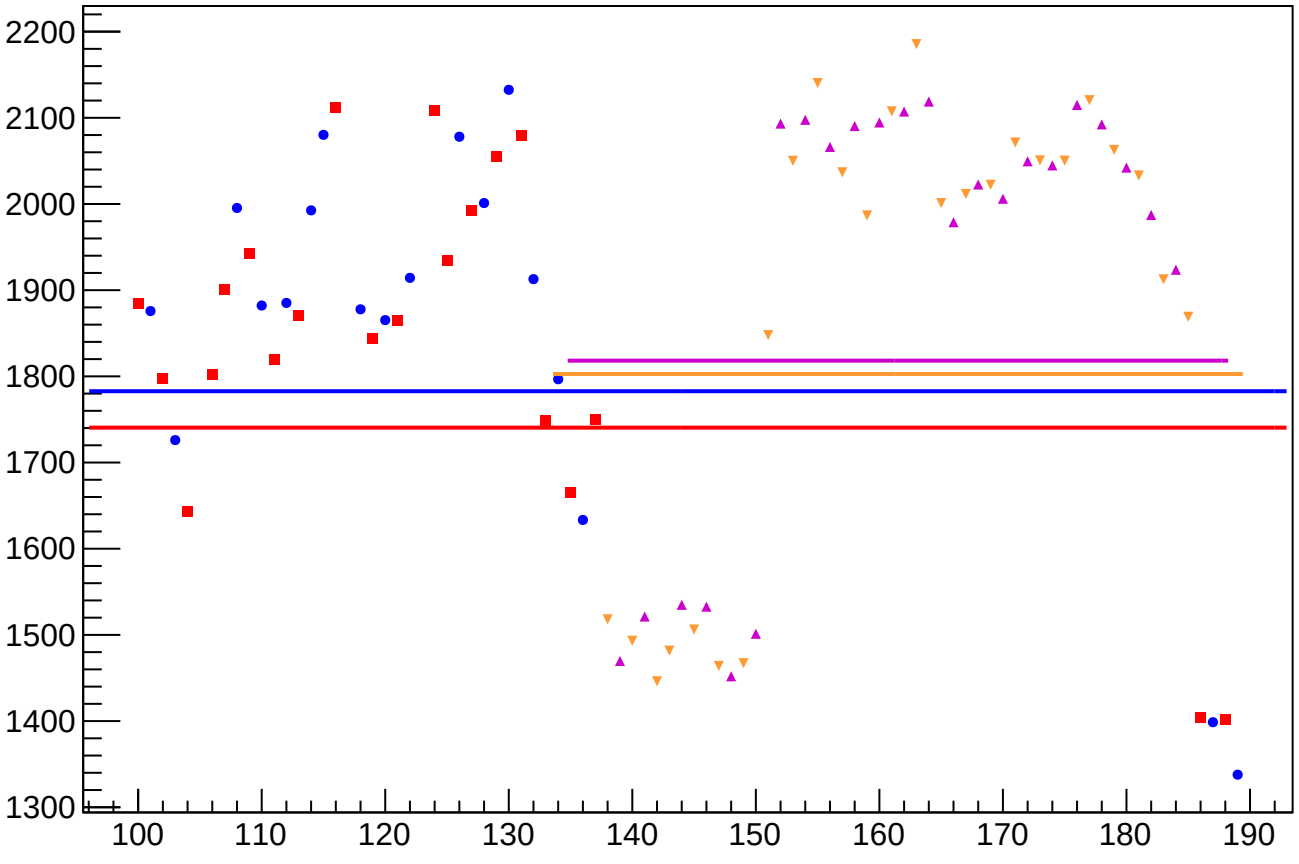
Right Out: -0.332+/-0.589 χ^2/NDF: 1651.5/20

Left In: -0.511+/-0.430 χ^2/NDF:745.8/22

+ sign 1.882+/-0.348 χ^2/NDF: 2265.5/42

All: 0.715+/-0.246 χ^2/NDF: 4685.5/86

- sign -0.448+/-0.347 χ^2/NDF: 2397.4/43



Right In: 1782.758+/-0.451 χ^2/NDF: 256664.3/17

Left Out: 1802.748+/-0.293 χ^2/NDF:897375.1/24

Right Out: 1740.498+/-0.416 χ^2/NDF: 284935.7/20

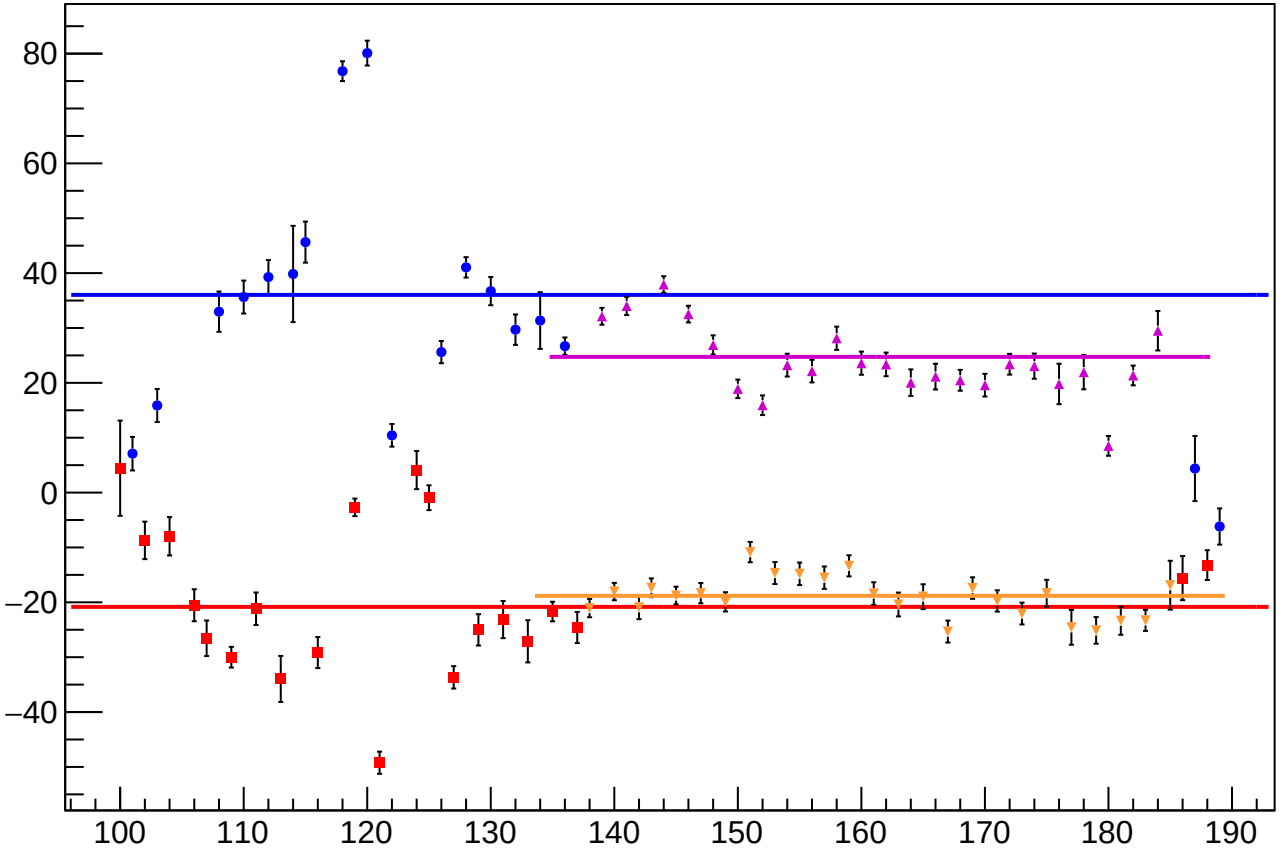
Left In: 1818.225+/-0.304 χ^2/NDF:840353.0/22

+ sign 1796.801+/-0.246 χ^2/NDF: 1155422.5/42

All: 1794.001+/-0.174 χ^2/NDF: 2303709.9/86

- sign 1791.206+/-0.245 χ^2/NDF: 1148027.9/43

diff_bpm0i07X_mean vs Slug



Right In: 36.031+/-0.608 χ^2/NDF: 1450.7/17

Left Out: -18.816+/-0.402 χ^2/NDF:74.9/24

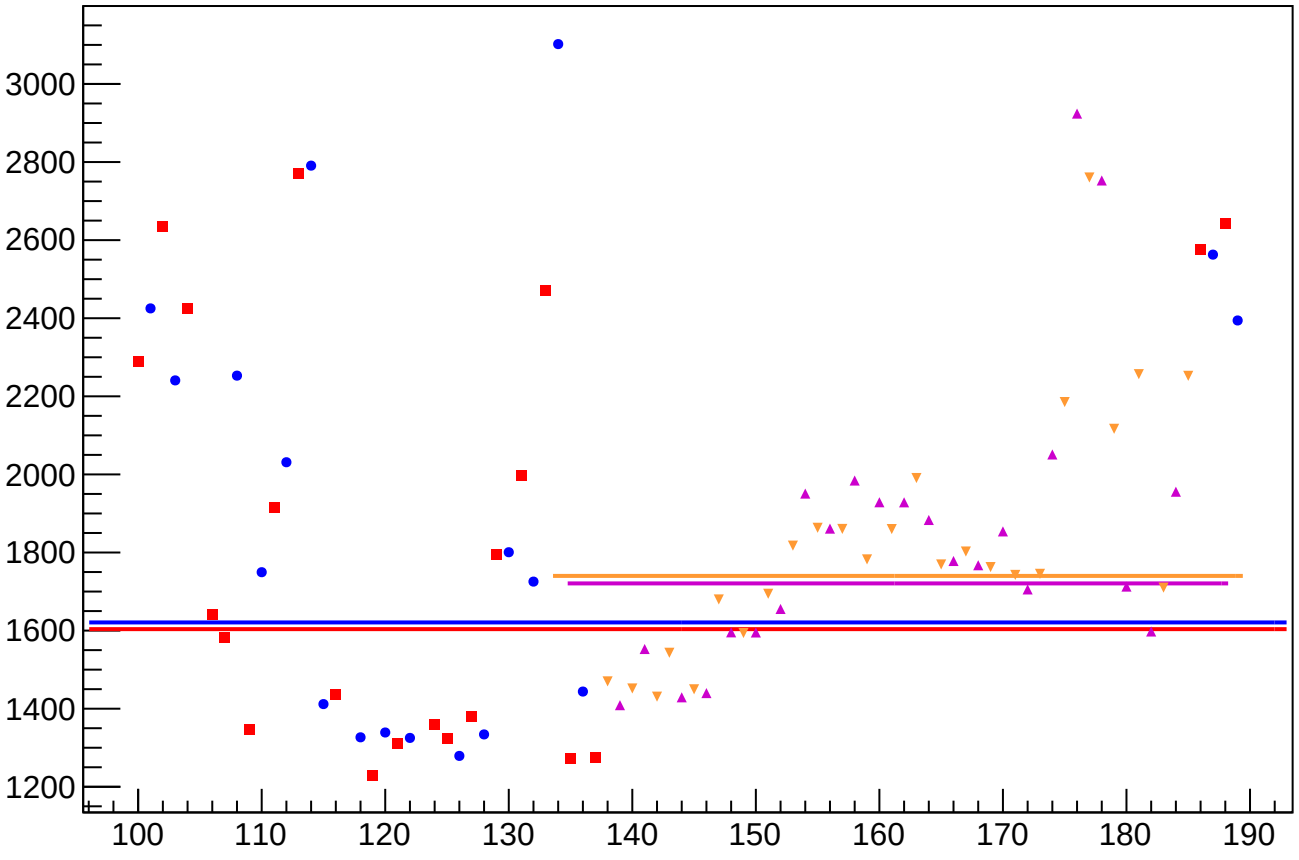
Right Out: -20.830+/-0.573 χ^2/NDF: 592.8/20

Left In: 24.731+/-0.409 χ^2/NDF:308.0/22

+ sign -2.150+/-0.335 χ^2/NDF: 7183.7/42

All: 3.657+/-0.236 χ^2/NDF: 12866.1/86

- sign 9.379+/-0.333 χ^2/NDF: 5087.0/43



Right In: 1620.916+/-0.430 χ^2/NDF: 955306.3/17

Left Out: 1740.089+/-0.284 χ^2/NDF:753377.5/24

Right Out: 1603.749+/-0.405 χ^2/NDF: 1388202.7/20

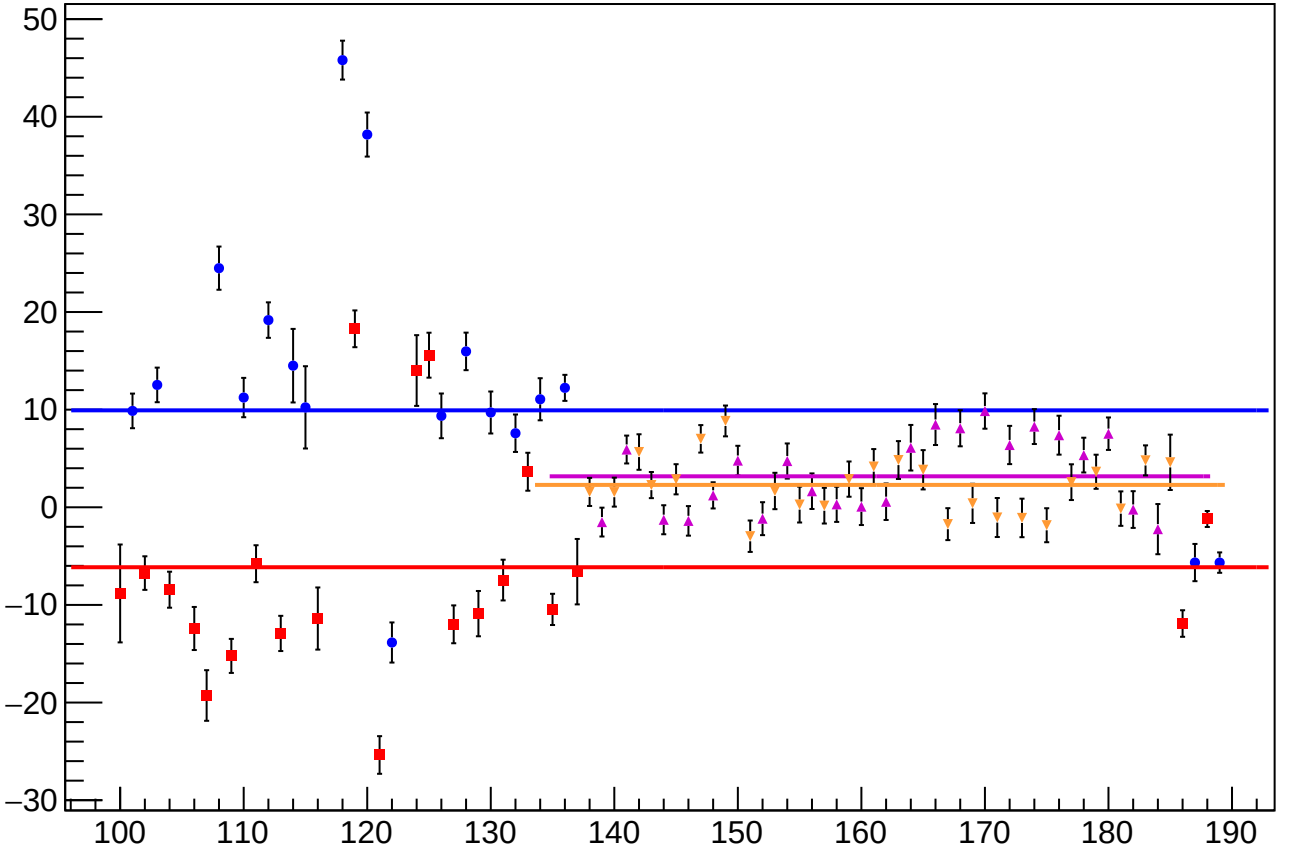
Left In: 1720.864+/-0.289 χ^2/NDF:883990.4/22

+ sign 1703.878+/-0.237 χ^2/NDF: 1762111.7/42

All: 1692.555+/-0.167 χ^2/NDF: 4094150.9/86

- sign 1681.400+/-0.235 χ^2/NDF: 2327512.9/43

diff_bpm0i07Y_mean vs Slug



Right In: 9.929+/-0.442 χ^2/NDF: 992.4/17

Left Out: 2.293+/-0.343 χ^2/NDF:73.5/24

Right Out: -6.140+/-0.398 χ^2/NDF: 568.1/20

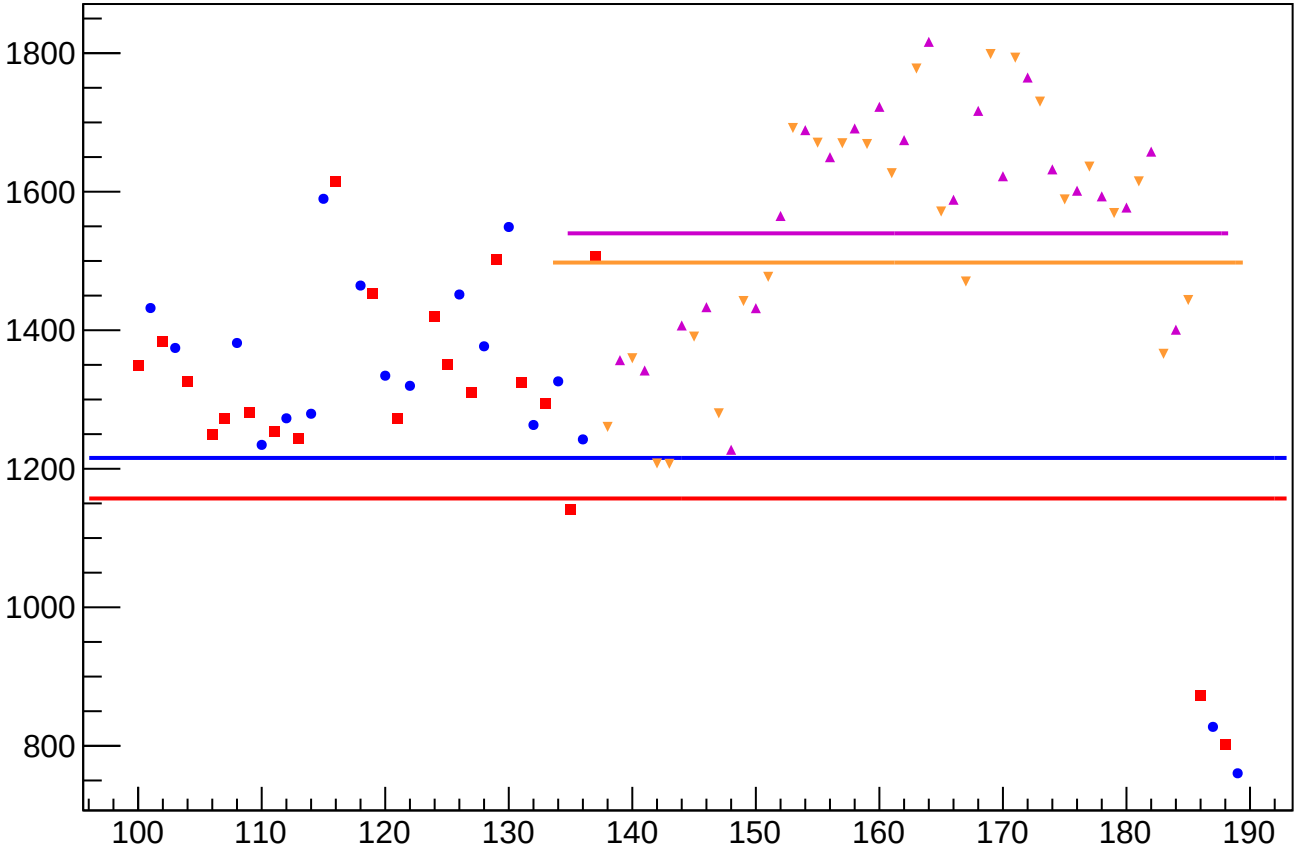
Left In: 3.173+/-0.362 χ^2/NDF:110.4/22

+ sign 5.169+/-0.271 χ^2/NDF: 1252.0/42

All: 2.021+/-0.191 χ^2/NDF: 2496.1/86

- sign -1.051+/-0.268 χ^2/NDF: 977.9/43

diff_bpm0i07Y_rms vs Slug



Right In: 1215.641+/-0.312 χ^2/NDF: 670920.1/17

Left Out: 1497.713+/-0.243 χ^2/NDF:568629.4/24

Right Out: 1157.110+/-0.281 χ^2/NDF: 770819.6/20

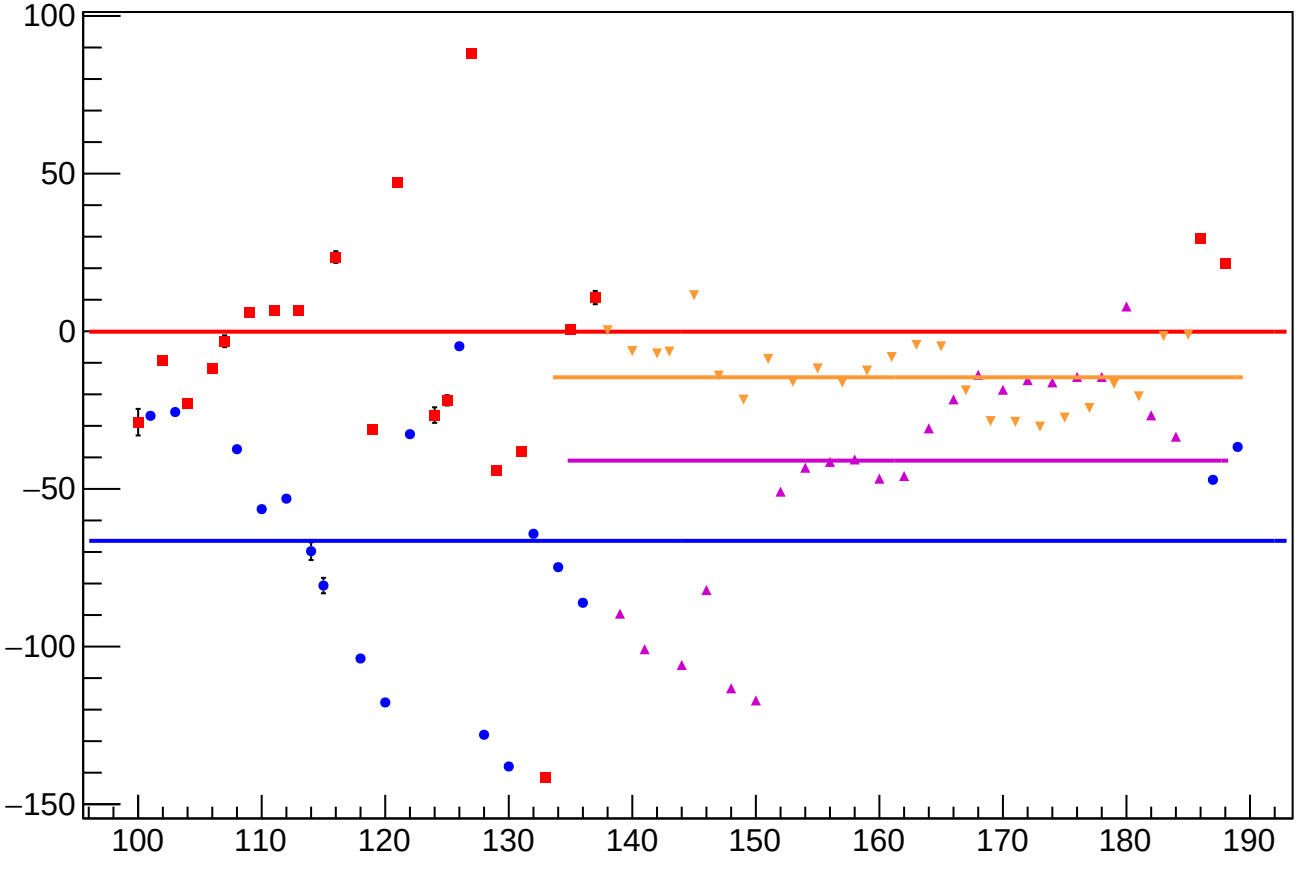
Left In: 1539.884+/-0.256 χ^2/NDF:380330.7/22

+ sign 1391.488+/-0.192 χ^2/NDF: 1747514.2/42

All: 1378.738+/-0.135 χ^2/NDF: 3919056.6/86

- sign 1366.294+/-0.189 χ^2/NDF: 2162807.3/43

diff_bpm1i02X_mean vs Slug



Right In: -66.464+/-0.317 χ^2/NDF: 13759.9/17

Left Out: -14.597+/-0.183 χ^2/NDF:3159.3/24

Right Out: -0.128+/-0.289 χ^2/NDF: 21978.1/20

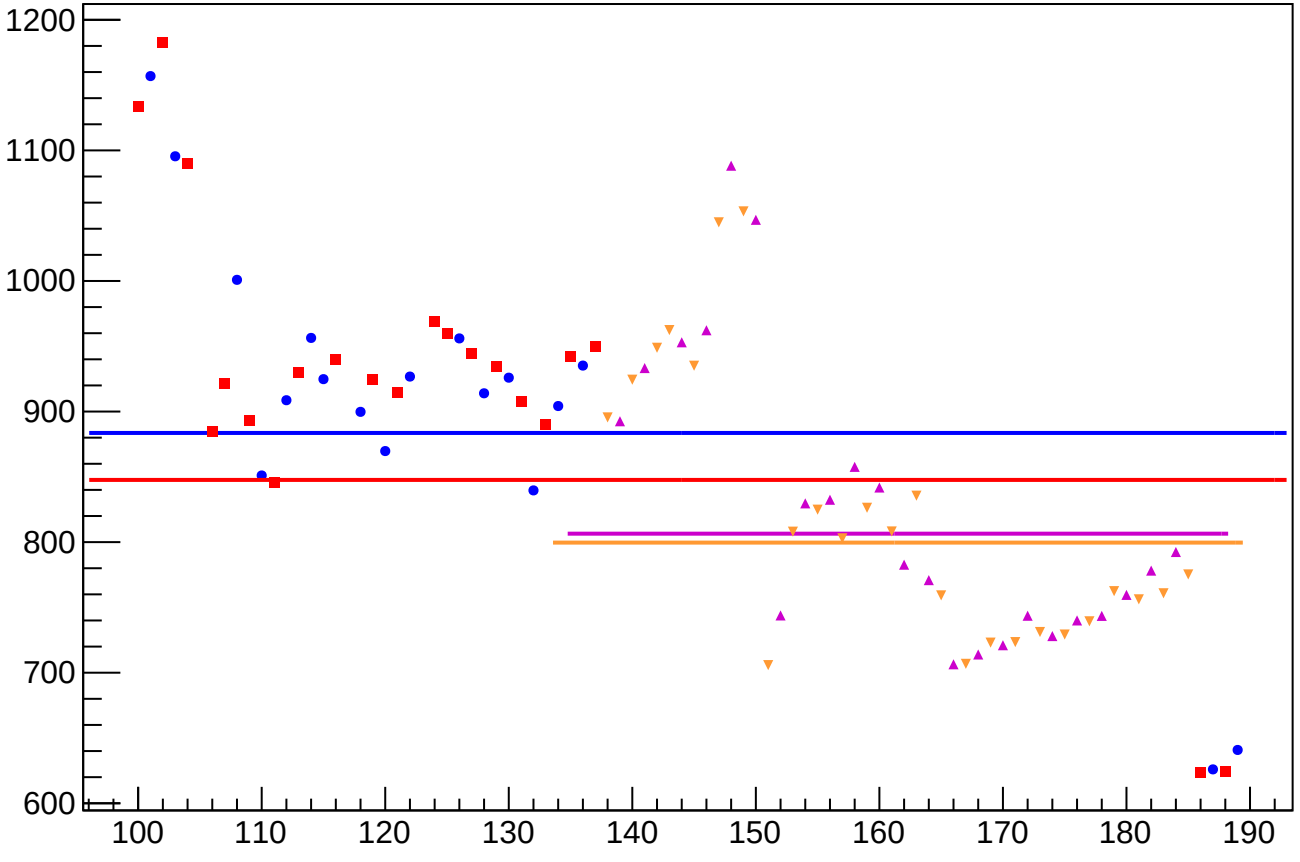
Left In: -41.021+/-0.190 χ^2/NDF:31066.6/22

\+ sign -27.568+/-0.158 χ^2/NDF: 37019.5/42

All: -28.139+/-0.112 χ^2/NDF: 104065.8/86

\- sign -28.712+/-0.159 χ^2/NDF: 67020.3/43

diff_bpm1i02X_rms vs Slug



Right In: 883.613+/-0.224 χ^2/NDF: 367856.9/17

Left Out: 799.639+/-0.129 χ^2/NDF:497430.7/24

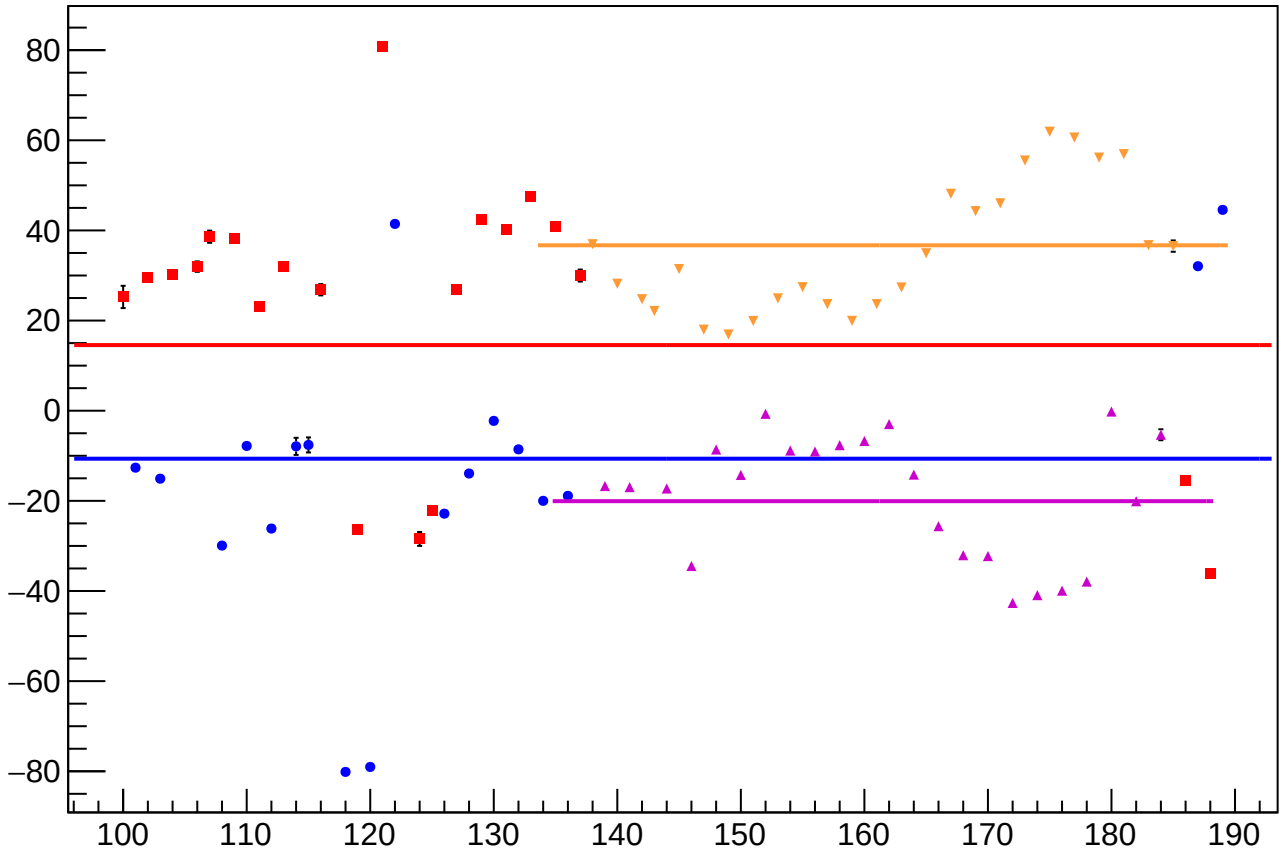
Right Out: 847.641+/-0.204 χ^2/NDF: 601583.5/20

Left In: 806.478+/-0.134 χ^2/NDF:511294.8/22

+ sign 820.639+/-0.112 χ^2/NDF: 970661.8/42

All: 819.755+/-0.079 χ^2/NDF: 2111985.9/86

- sign 818.869+/-0.112 χ^2/NDF: 1141199.5/43



Right In: -10.647+/-0.216 χ^2/NDF: 23222.5/17

Left Out: 36.705+/-0.145 χ^2/NDF:10231.1/24

Right Out: 14.559+/-0.200 χ^2/NDF: 28929.2/20

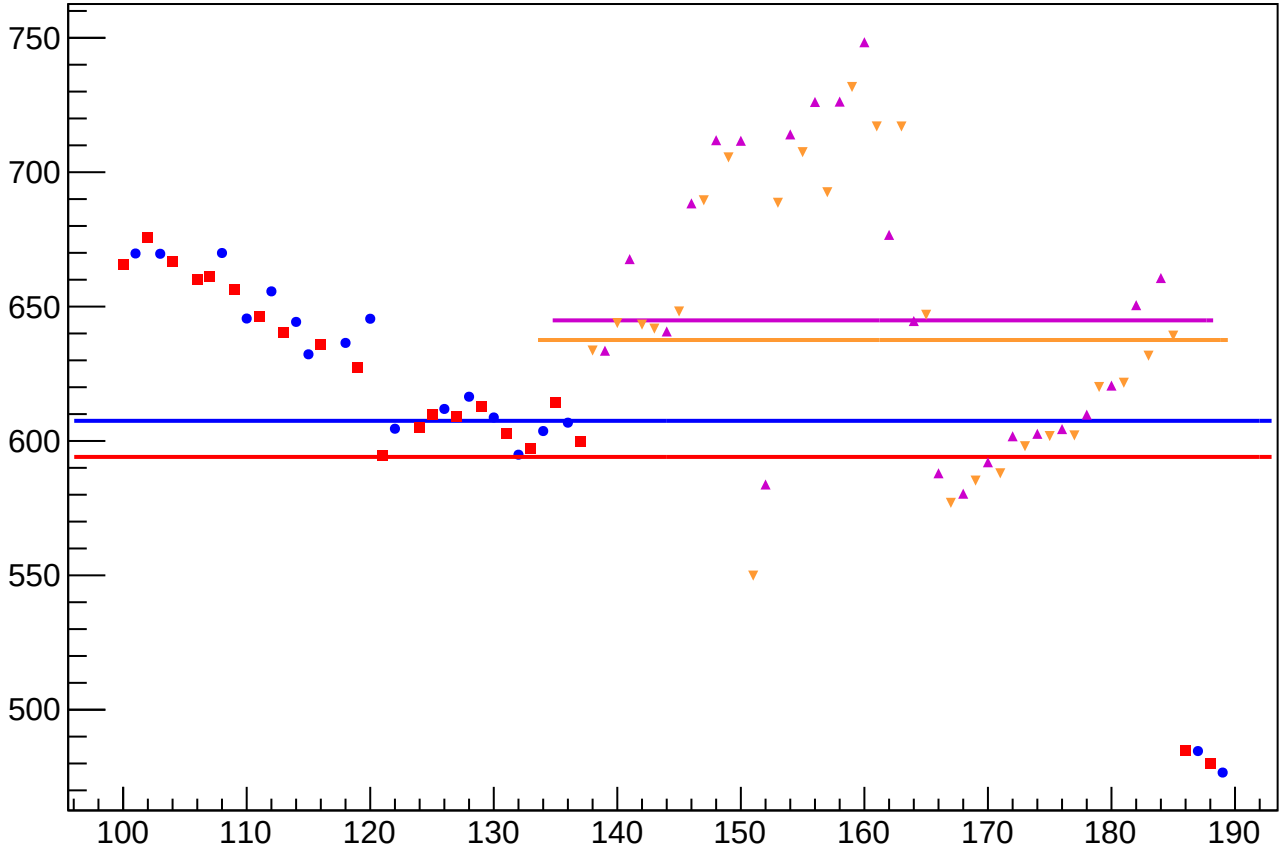
Left In: -20.069+/-0.151 χ^2/NDF:8560.6/22

+ sign 21.953+/-0.121 χ^2/NDF: 66481.4/42

All: 7.231+/-0.085 χ^2/NDF: 152779.8/86

- sign -7.505+/-0.121 χ^2/NDF: 56512.1/43

diff_bpm1i02Y_rms vs Slug



Right In: 607.494+/-0.153 χ^2/NDF: 147583.9/17

Left Out: 637.569+/-0.103 χ^2/NDF:236539.6/24

Right Out: 594.063+/-0.142 χ^2/NDF: 224875.2/20

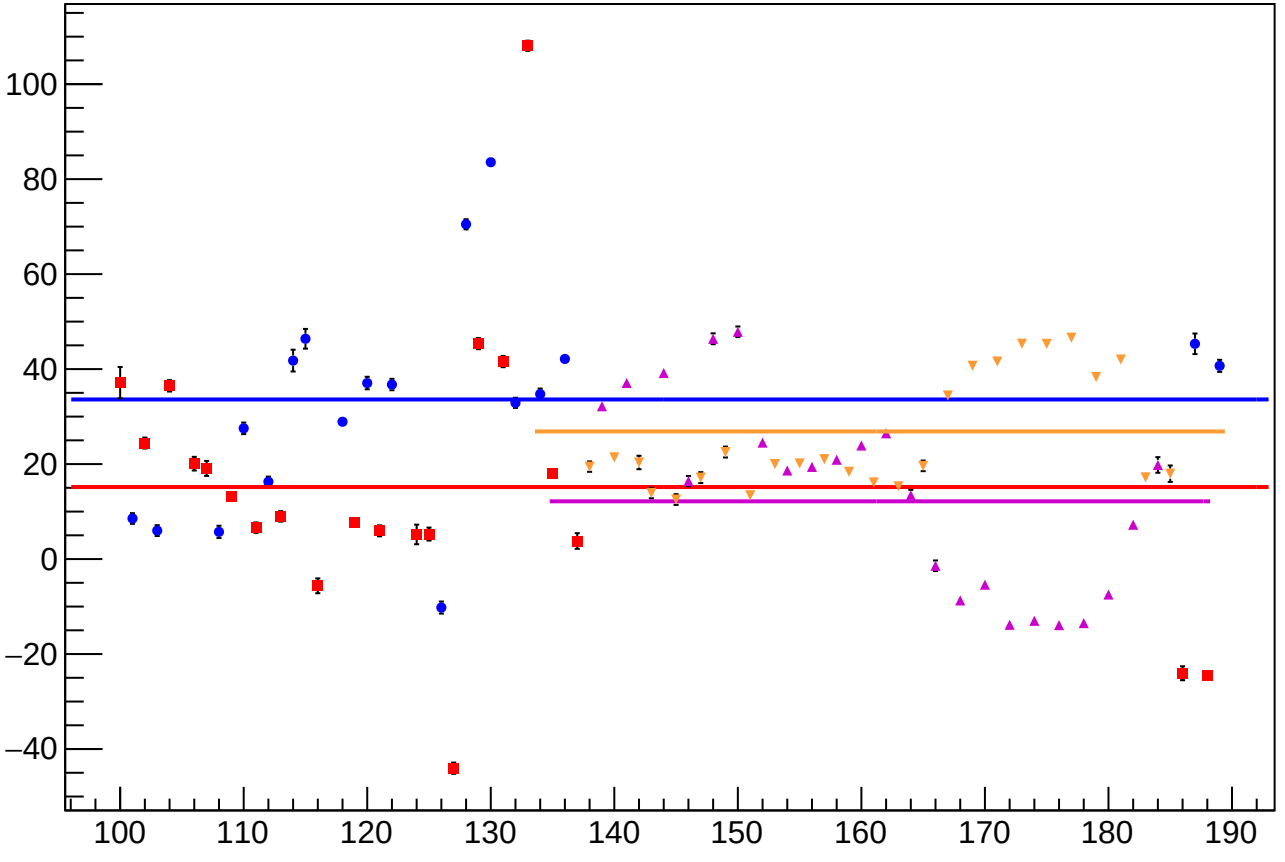
Left In: 644.873+/-0.107 χ^2/NDF:229560.3/22

+ sign 628.200+/-0.085 χ^2/NDF: 410772.0/42

All: 627.319+/-0.060 χ^2/NDF: 947325.0/86

- sign 626.438+/-0.085 χ^2/NDF: 536339.8/43

diff_bpm1i04X_mean vs Slug



Right In: 33.608+/-0.279 χ^2/NDF: 6764.4/17

Left Out: 26.866+/-0.207 χ^2/NDF:3390.4/24

Right Out: 15.169+/-0.269 χ^2/NDF: 14623.4/20

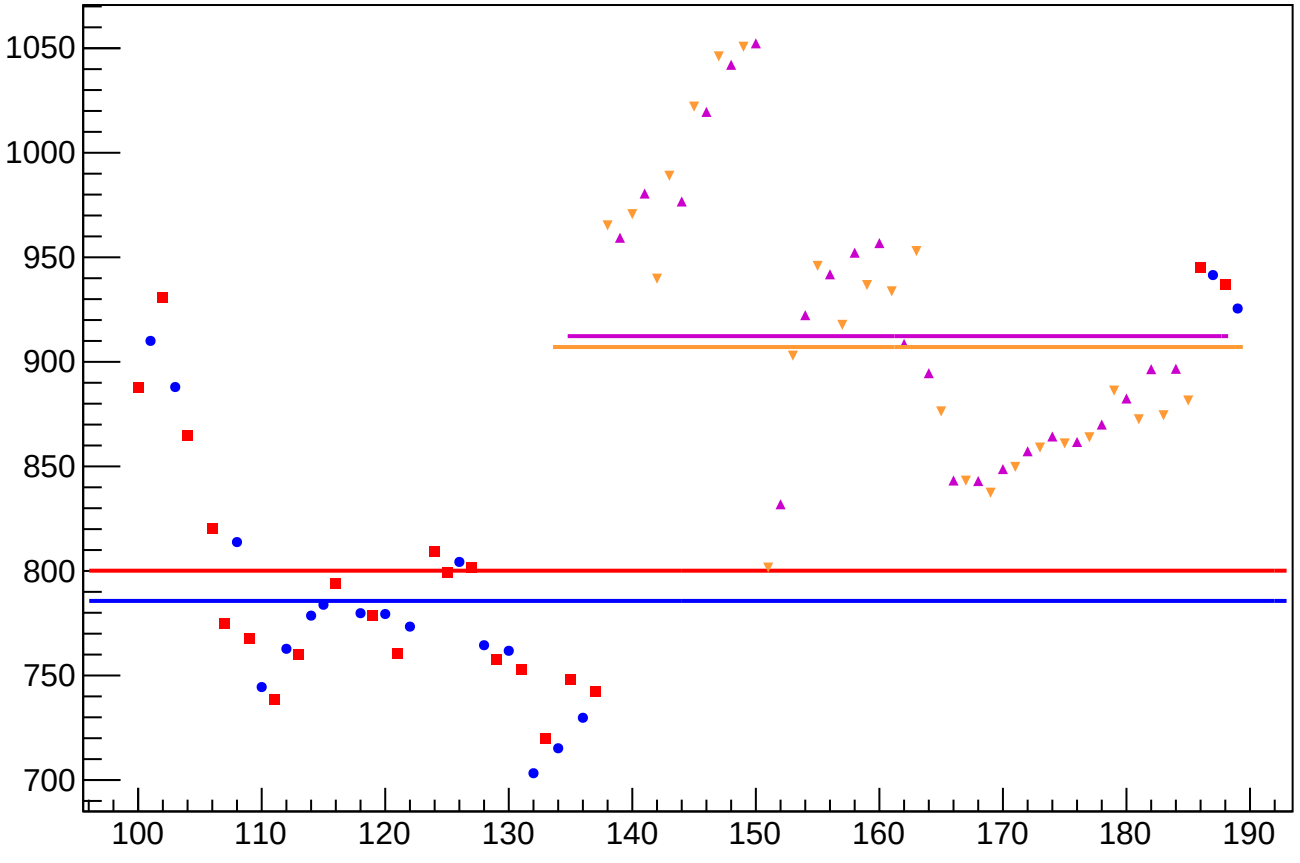
Left In: 12.159+/-0.214 χ^2/NDF:8547.0/22

+ sign 29.251+/-0.166 χ^2/NDF: 10531.1/42

All: 21.346+/-0.118 χ^2/NDF: 38339.7/86

- sign 13.322+/-0.167 χ^2/NDF: 23247.0/43

diff_bpm1i04X_rms vs Slug



Right In: 785.668+/-0.198 χ^2/NDF: 111646.1/17

Left Out: 907.089+/-0.146 χ^2/NDF:194606.8/24

Right Out: 800.122+/-0.190 χ^2/NDF: 132851.5/20

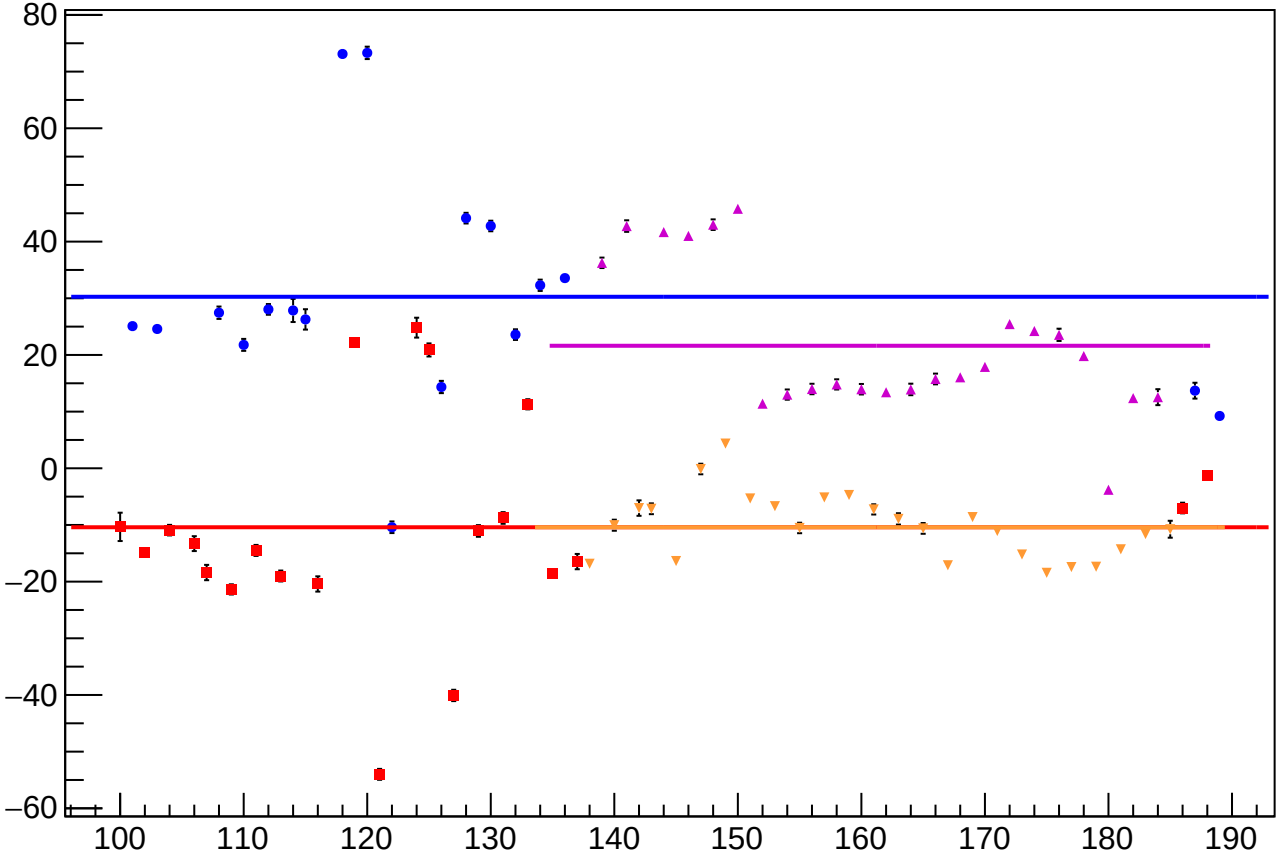
Left In: 912.301+/-0.151 χ^2/NDF:174715.2/22

+ sign 864.141+/-0.117 χ^2/NDF: 550428.1/42

All: 866.532+/-0.083 χ^2/NDF: 1071783.7/86

- sign 868.960+/-0.118 χ^2/NDF: 520520.5/43

diff_bpm1i04Y_mean vs Slug



Right In: 30.266+/-0.229 χ^2/NDF: 7230.2/17

Left Out: -10.406+/-0.176 χ^2/NDF:1041.8/24

Right Out: -10.406+/-0.219 χ^2/NDF: 6829.2/20

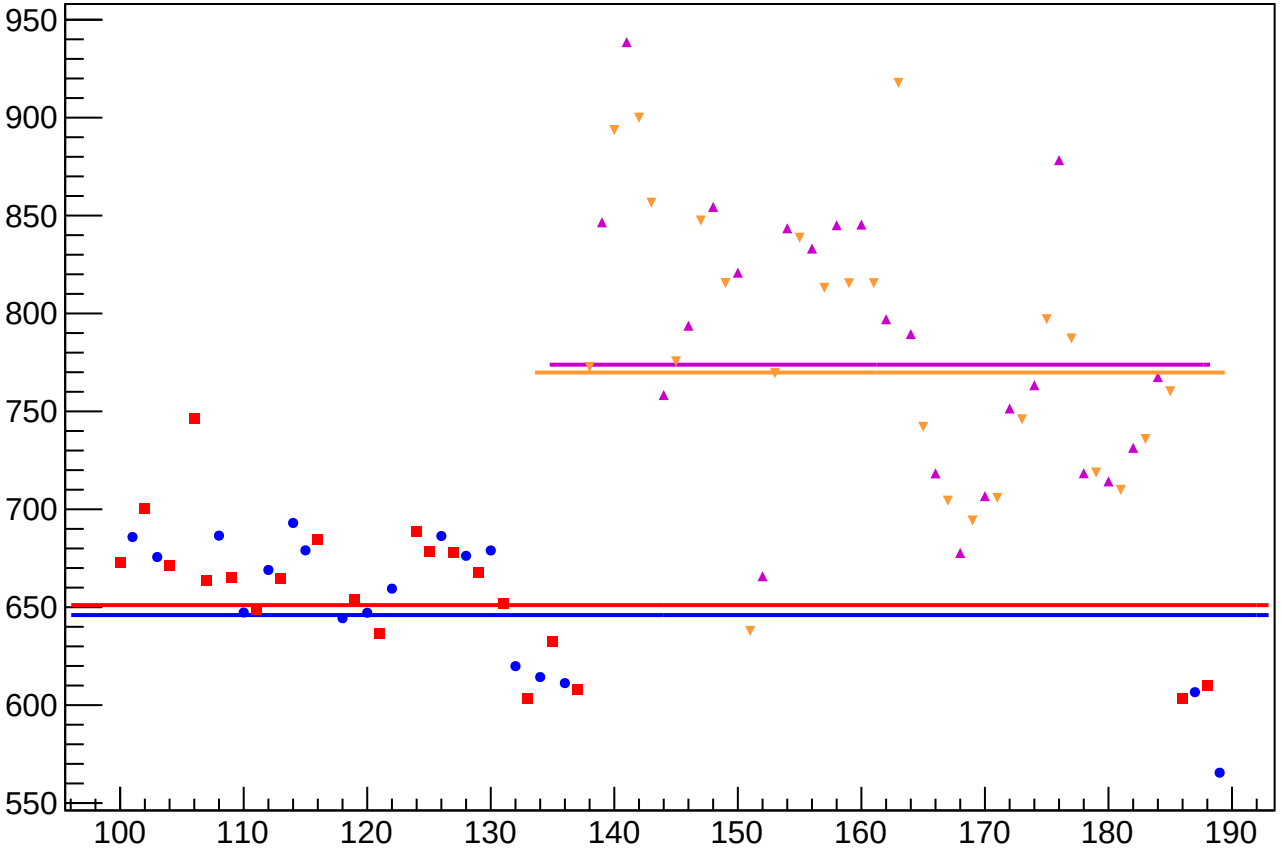
Left In: 21.621+/-0.182 χ^2/NDF:5241.8/22

+ sign 4.666+/-0.140 χ^2/NDF: 28061.7/42

All: 6.589+/-0.099 χ^2/NDF: 53190.0/86

- sign 8.519+/-0.140 χ^2/NDF: 24748.2/43

diff_bpm1i04Y_rms vs Slug



Right In: 645.985+/-0.162 χ^2/NDF: 52202.8/17

Left Out: 769.850+/-0.124 χ^2/NDF:304526.6/24

Right Out: 651.066+/-0.155 χ^2/NDF: 47193.5/20

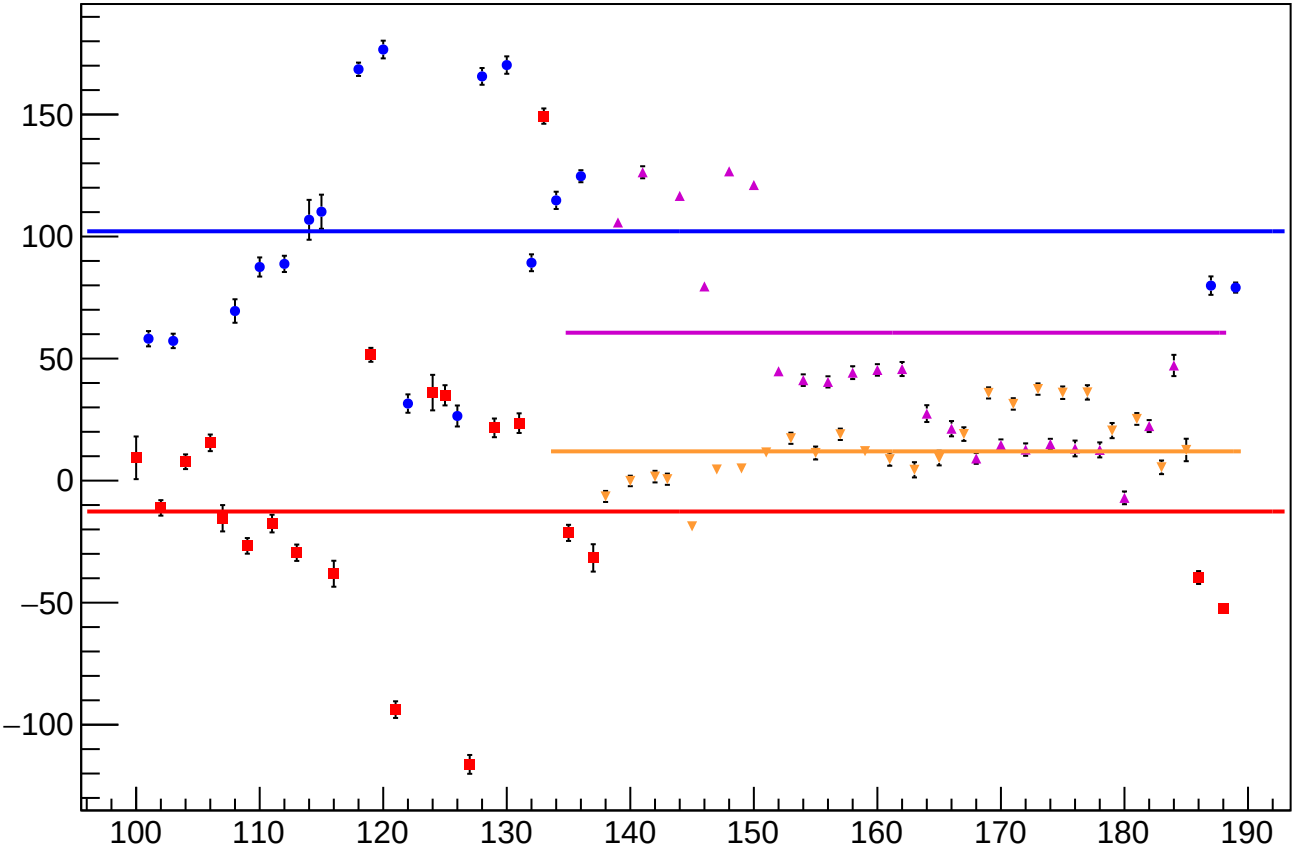
Left In: 773.845+/-0.129 χ^2/NDF:282843.1/22

\+ sign 723.949+/-0.099 χ^2/NDF: 723818.6/42

All: 723.782+/-0.070 χ^2/NDF: 1426489.7/86

\- sign 723.615+/-0.099 χ^2/NDF: 702665.4/43

diff_bpm1i06X_mean vs Slug



Right In: 102.154+/-0.796 χ^2/NDF: 3150.4/17

Left Out: 11.989+/-0.472 χ^2/NDF:947.1/24

Right Out: -12.652+/-0.735 χ^2/NDF: 5679.1/20

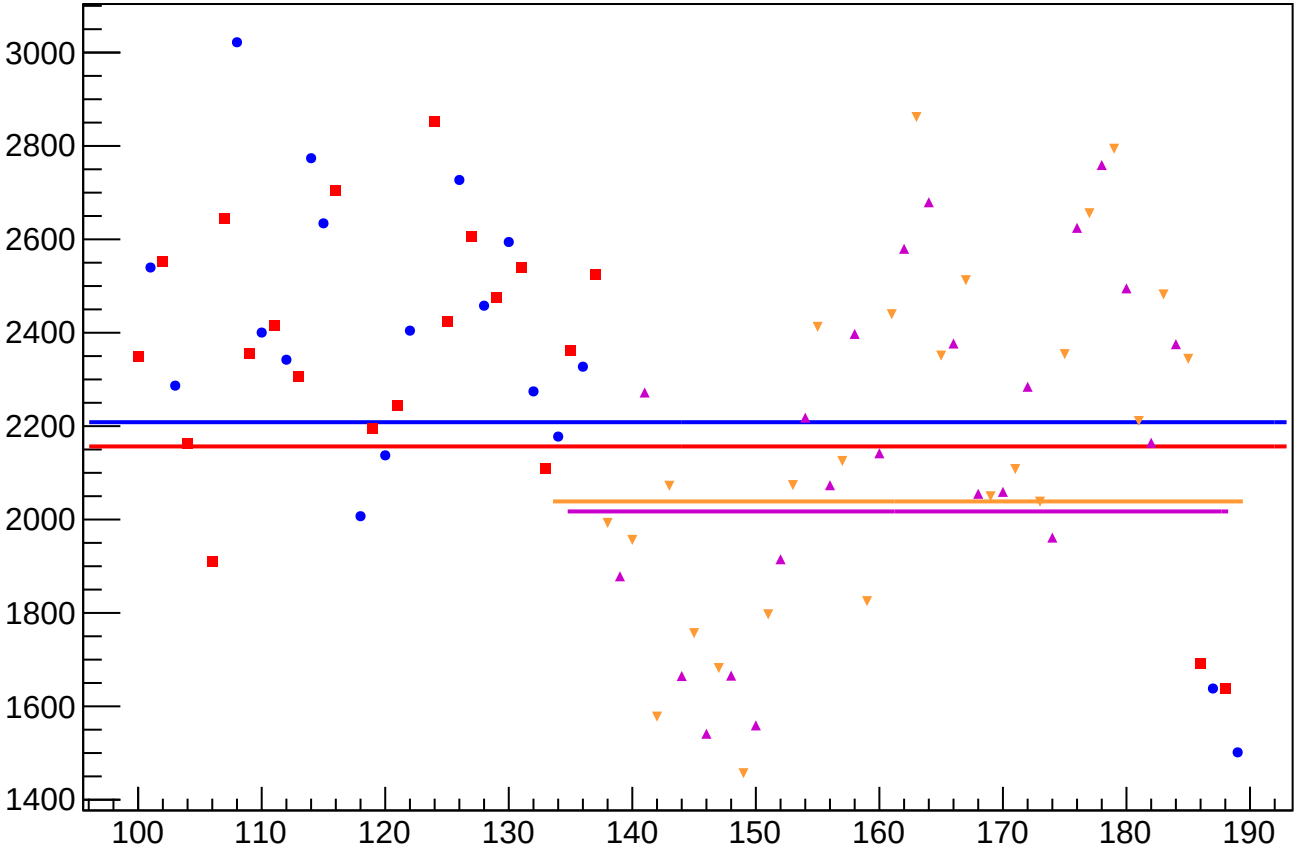
Left In: 60.598+/-0.481 χ^2/NDF:8638.1/22

+ sign 35.393+/-0.406 χ^2/NDF: 13588.0/42

All: 37.027+/-0.286 χ^2/NDF: 34893.9/86

- sign 38.634+/-0.402 χ^2/NDF: 21273.8/43

diff_bpm1i06X_rms vs Slug



Right In: 2208.433+/-0.563 χ^2/NDF: 467702.5/17

Left Out: 2038.784+/-0.333 χ^2/NDF:1123518.3/24

Right Out: 2156.545+/-0.520 χ^2/NDF: 461405.2/20

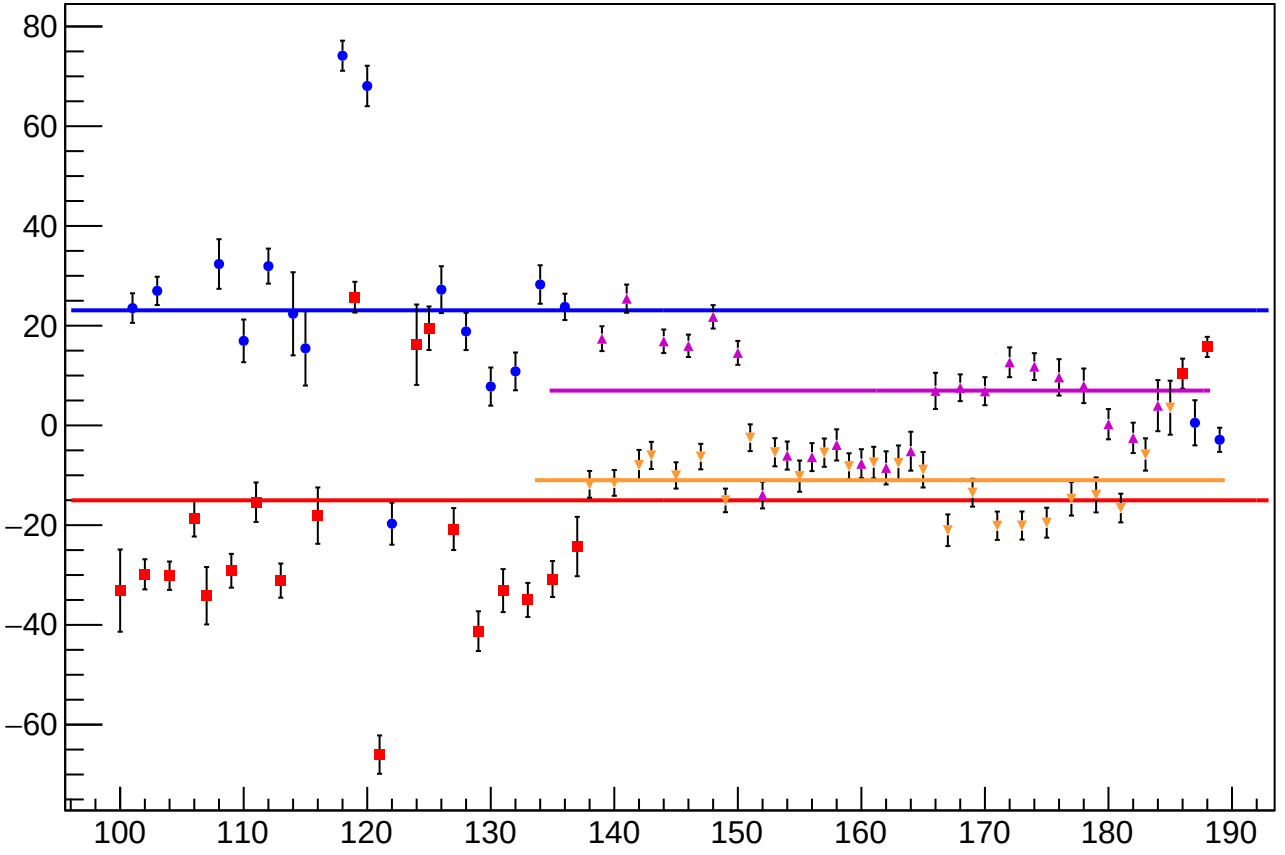
Left In: 2017.328+/-0.340 χ^2/NDF:1050043.3/22

+ sign 2082.820+/-0.287 χ^2/NDF: 1658417.4/42

All: 2070.847+/-0.202 χ^2/NDF: 3223577.0/86

- sign 2059.072+/-0.285 χ^2/NDF: 1561705.8/43

diff_bpm1i06Y_mean vs Slug



Right In: 23.080+/-0.858 χ^2/NDF: 696.7/17

Left Out: -10.985+/-0.586 χ^2/NDF:87.6/24

Right Out: -15.018+/-0.795 χ^2/NDF: 959.0/20

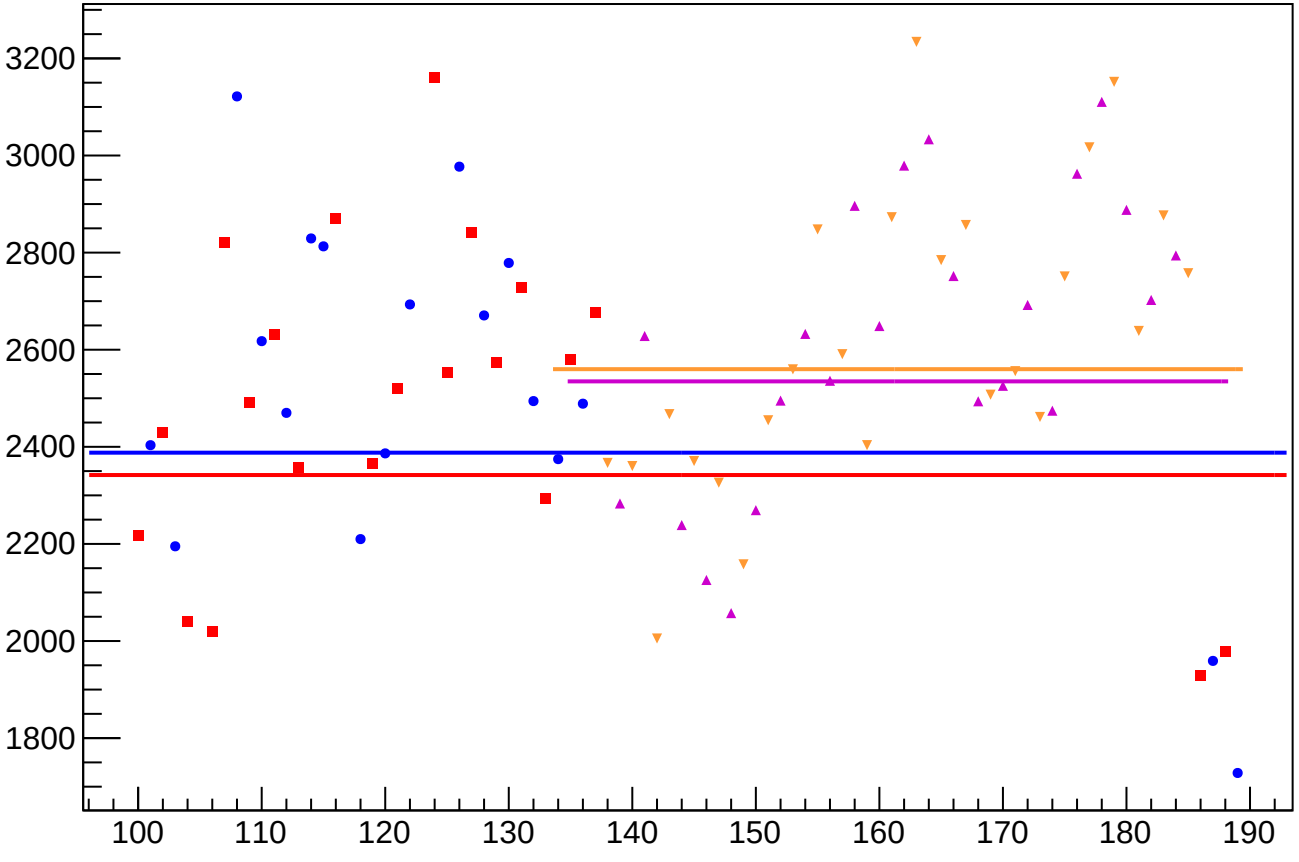
Left In: 6.985+/-0.598 χ^2/NDF:339.5/22

+ sign -0.153+/-0.484 χ^2/NDF: 1859.2/42

All: -0.570+/-0.340 χ^2/NDF: 3648.3/86

- sign -0.977+/-0.478 χ^2/NDF: 1787.6/43

diff_bpm1i06Y_rms vs Slug



Right In: 2387.940+/-0.607 χ^2/NDF: 323468.1/17

Left Out: 2559.931+/-0.414 χ^2/NDF:450188.5/24

Right Out: 2341.890+/-0.562 χ^2/NDF: 285712.1/20

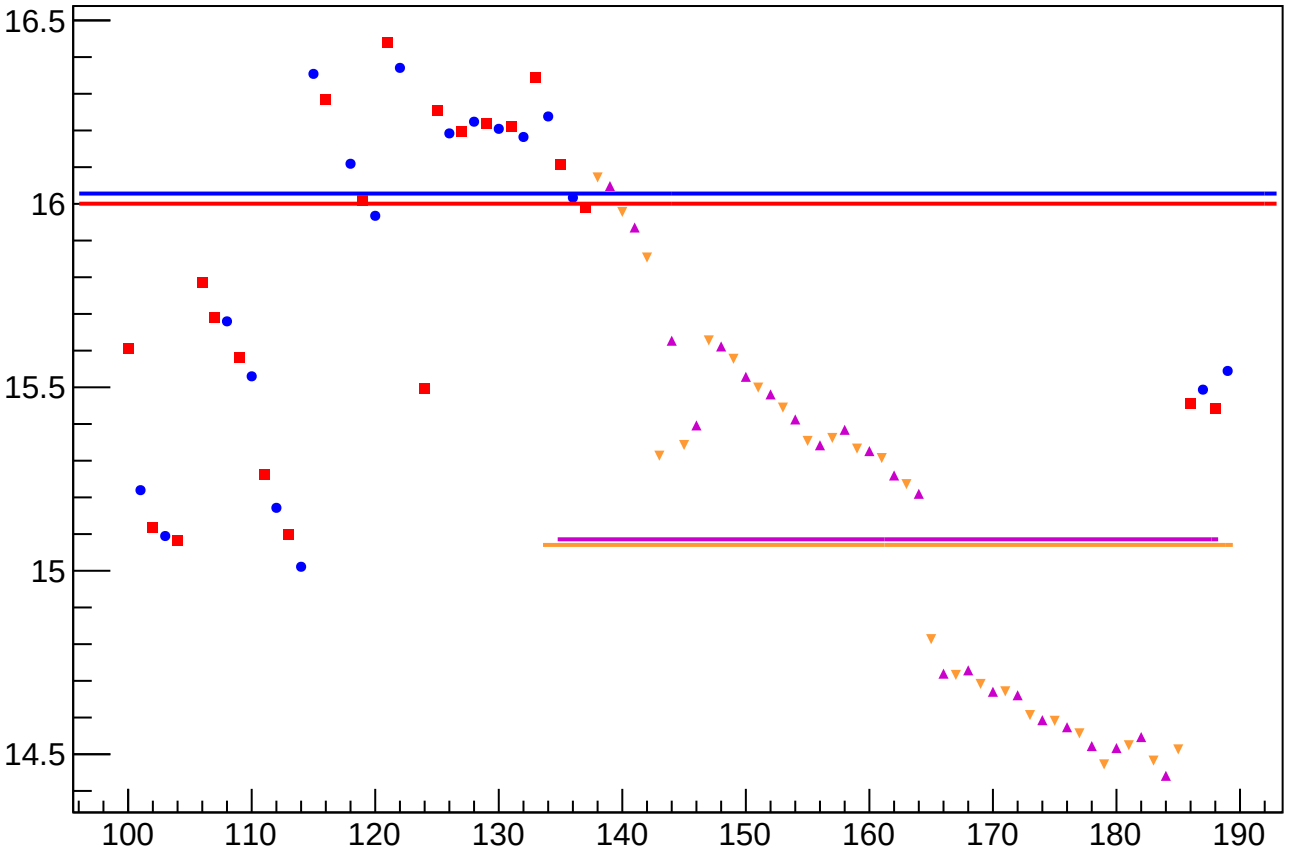
Left In: 2534.780+/-0.423 χ^2/NDF:463621.9/22

+ sign 2505.240+/-0.342 χ^2/NDF: 828461.3/42

All: 2484.867+/-0.240 χ^2/NDF: 1659987.3/86

- sign 2464.979+/-0.338 χ^2/NDF: 824518.6/43

yield_sam1_mean vs Slug



Right In: 16.028+/-0.000 χ^2/NDF: 3101119845.6/17

Left Out: 15.070+/-0.000 χ^2/NDF:43718295237.2/24

Right Out: 16.000+/-0.000 χ^2/NDF: 4379764967.3/20

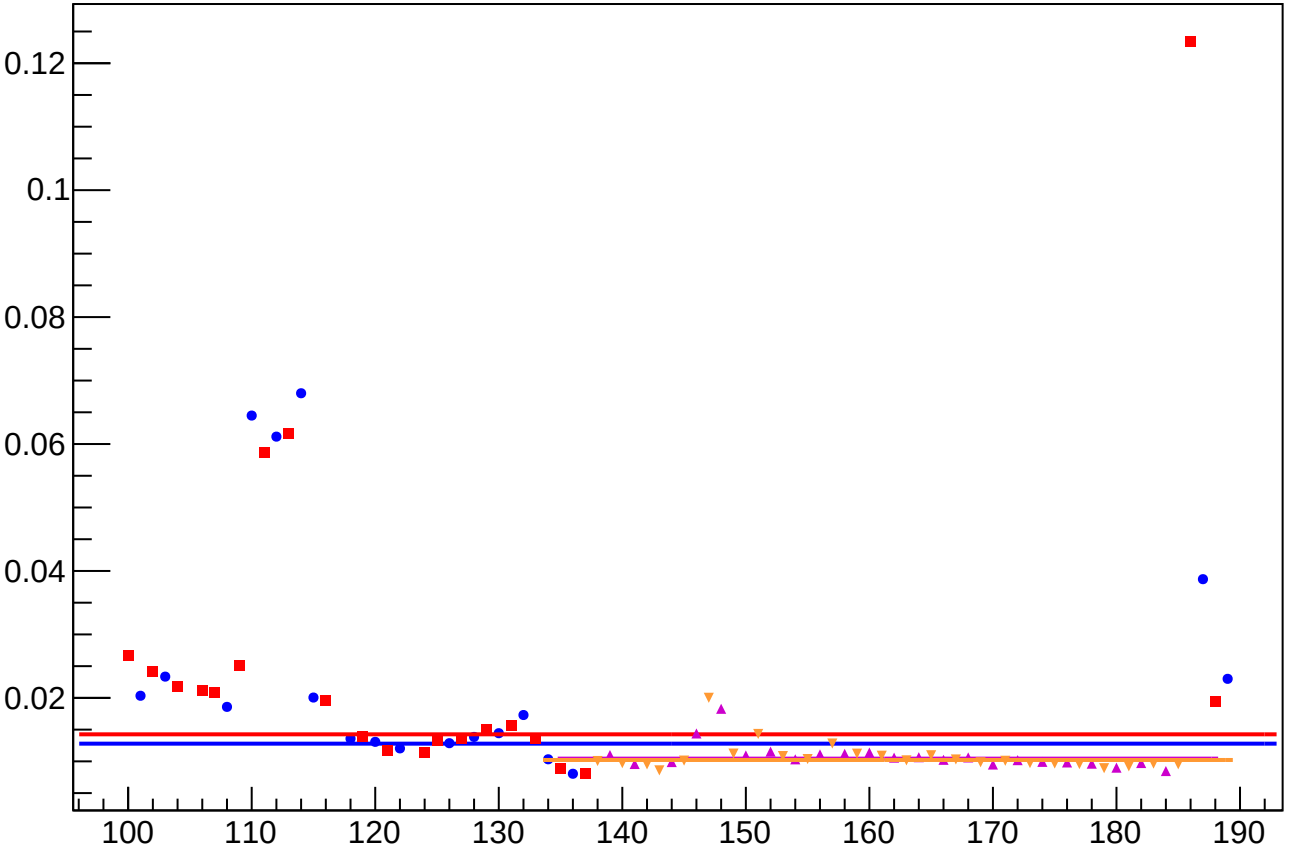
Left In: 15.086+/-0.000 χ^2/NDF:39504896066.7/22

+ sign 15.237+/-0.000 χ^2/NDF: 74587830273.5/42

All: 15.240+/-0.000 χ^2/NDF: 141044075076.

- sign 15.242+/-0.000 χ^2/NDF: 66454000016.9/43

yield_sam1_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 2683320.0/17

Left Out: 0.010+/-0.000 χ^2/NDF:760322.0/24

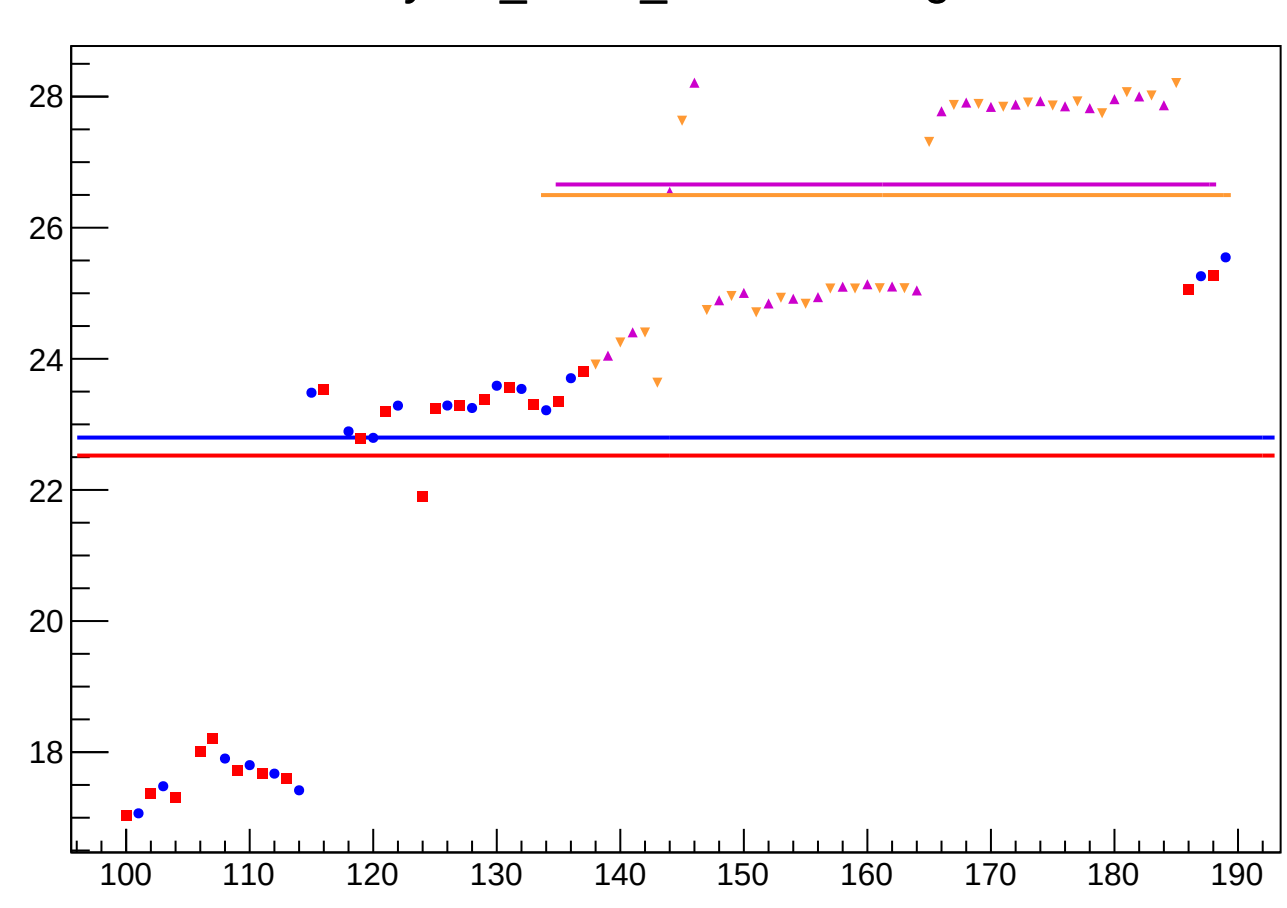
Right Out: 0.014+/-0.000 χ^2/NDF: 2983260.6/20

Left In: 0.010+/-0.000 χ^2/NDF:597752.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 3844065.3/42

All: 0.011+/-0.000 χ^2/NDF: 8251928.3/86

- sign 0.011+/-0.000 χ^2/NDF: 4372988.8/43



Right In: 22.799+/-0.000 χ^2/NDF: 1280015013.9/17

Left Out: 26.498+/-0.000 χ^2/NDF:3909357236.5/24

Right Out: 22.524+/-0.000 χ^2/NDF: 1336354423.4/20

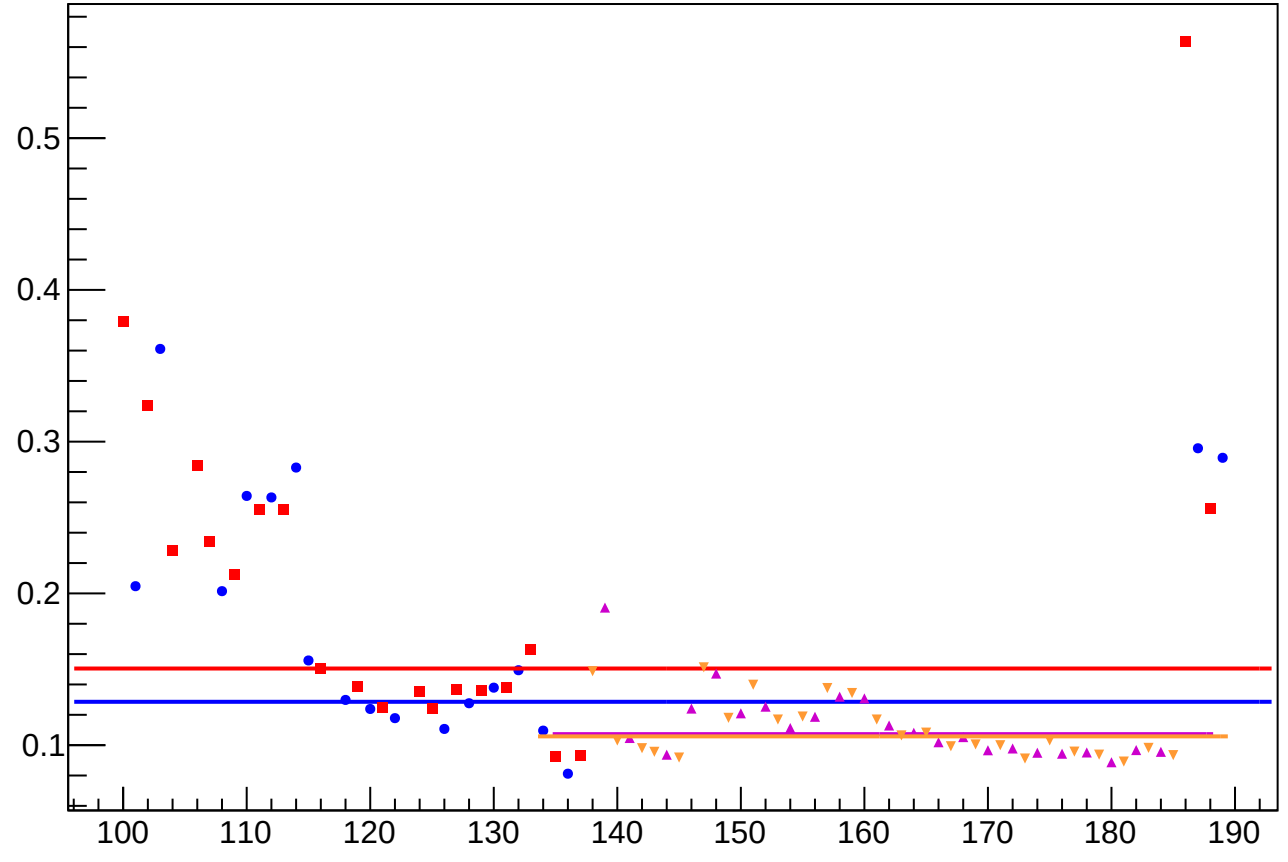
Left In: 26.660+/-0.000 χ^2/NDF:2886823196.4/22

+ sign 25.789+/-0.000 χ^2/NDF: 9077850070.3/42

All: 25.852+/-0.000 χ^2/NDF: 17460108109.2

- sign 25.923+/-0.000 χ^2/NDF: 8366596286.8/43

yield_sam2_rms vs Slug



Right In: 0.129+/-0.000 χ^2/NDF: 2185480.2/17

Left Out: 0.106+/-0.000 χ^2/NDF:756185.0/24

Right Out: 0.151+/-0.000 χ^2/NDF: 2335460.6/20

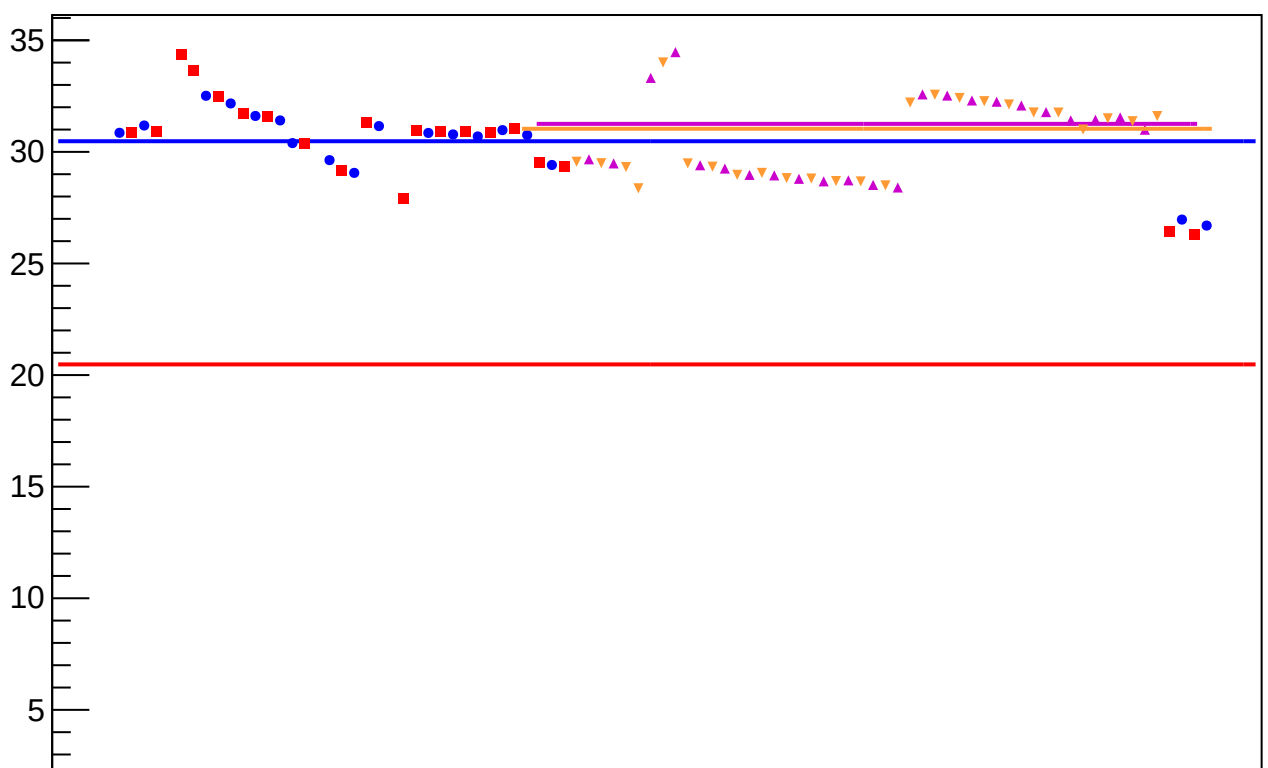
Left In: 0.107+/-0.000 χ^2/NDF:859458.3/22

+ sign 0.110+/-0.000 χ^2/NDF: 3236888.2/42

All: 0.112+/-0.000 χ^2/NDF: 7378235.6/86

- sign 0.115+/-0.000 χ^2/NDF: 4101053.4/43

yield_sam3_mean vs Slug



Right In: 30.477+/-0.000 χ^2/NDF: 968536297.7/17

Left Out: 31.035+/-0.000 χ^2/NDF:11897463221.2/24

Right Out: 20.478+/-0.000 χ^2/NDF: 222951917901.9/20

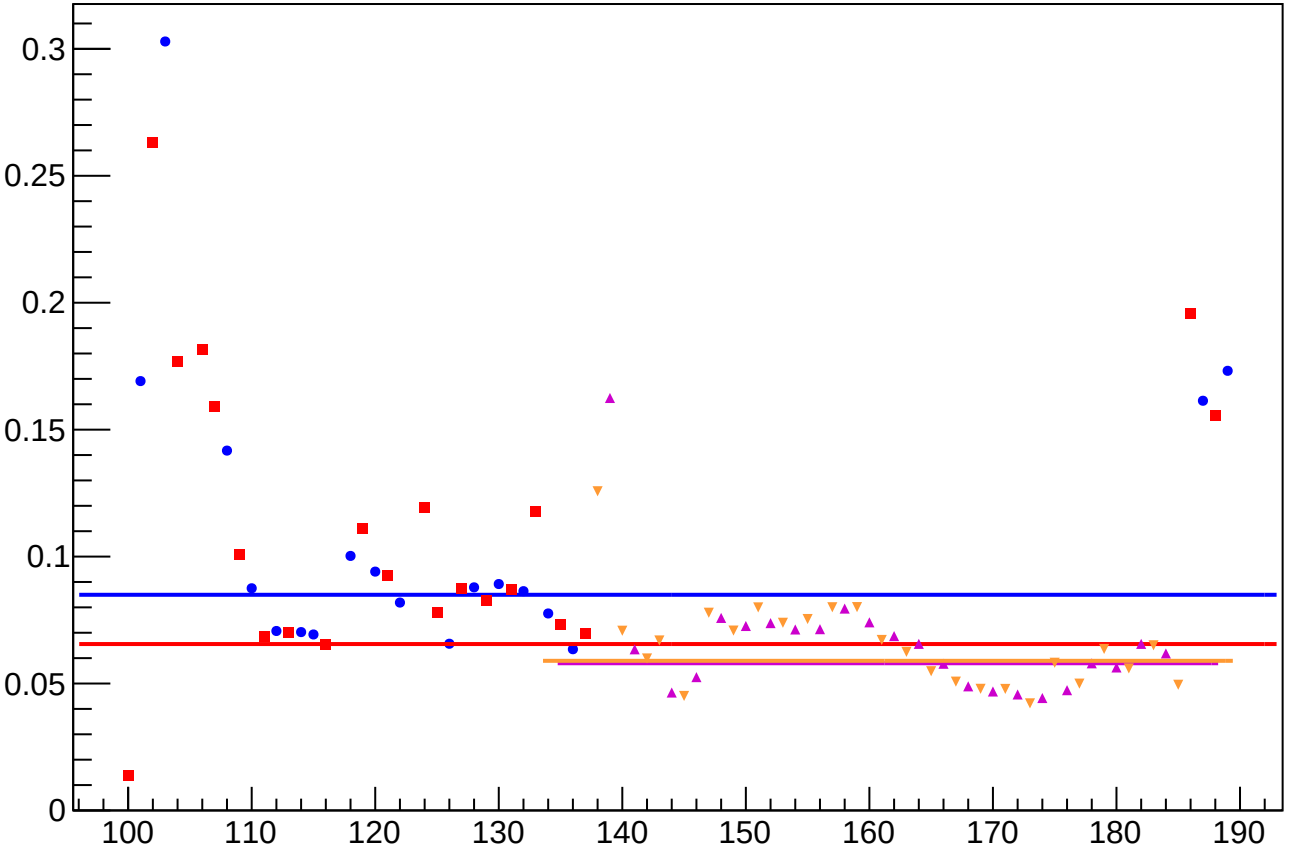
Left In: 31.256+/-0.000 χ^2/NDF:12589744083.0/22

+ sign 30.947+/-0.000 χ^2/NDF: 13074683774.4/42

All: 29.921+/-0.000 χ^2/NDF: 362555319580.

- sign 28.930+/-0.000 χ^2/NDF: 338963293704.5/43

yield_sam3_rms vs Slug



Right In: 0.085+/-0.000 χ^2/NDF: 1594849.9/17

Left Out: 0.059+/-0.000 χ^2/NDF:1536601.0/24

Right Out: 0.066+/-0.000 χ^2/NDF: 5002561.0/20

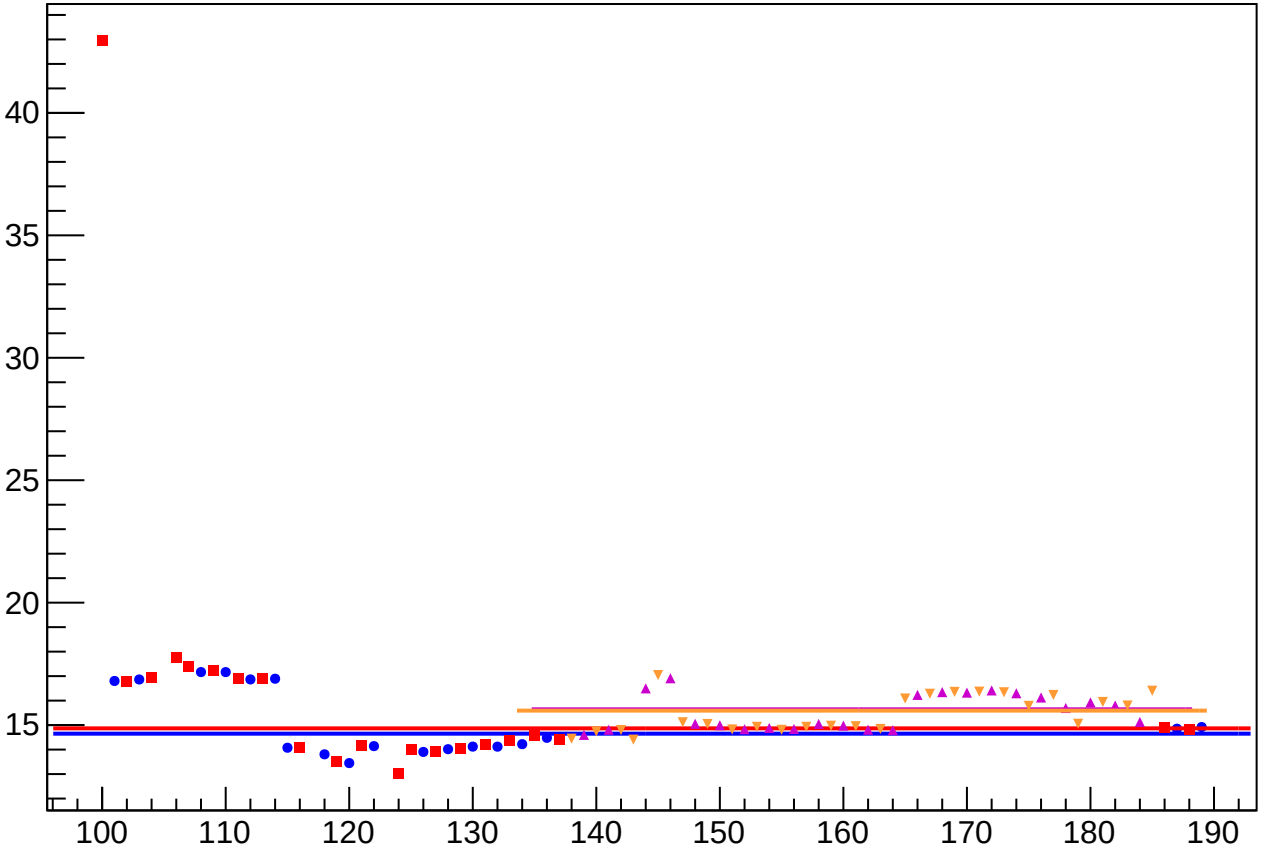
Left In: 0.058+/-0.000 χ^2/NDF:1716553.7/22

+ sign 0.063+/-0.000 χ^2/NDF: 4039980.7/42

All: 0.061+/-0.000 χ^2/NDF: 10920911.2/86

- sign 0.060+/-0.000 χ^2/NDF: 6821041.1/43

yield_sam4_mean vs Slug



Right In: 14.650+/-0.000 χ^2/NDF: 1195248052.6/17

Left Out: 15.591+/-0.000 χ^2/NDF:2257437225.0/24

Right Out: 14.866+/-0.000 χ^2/NDF: 1730103232.1/20

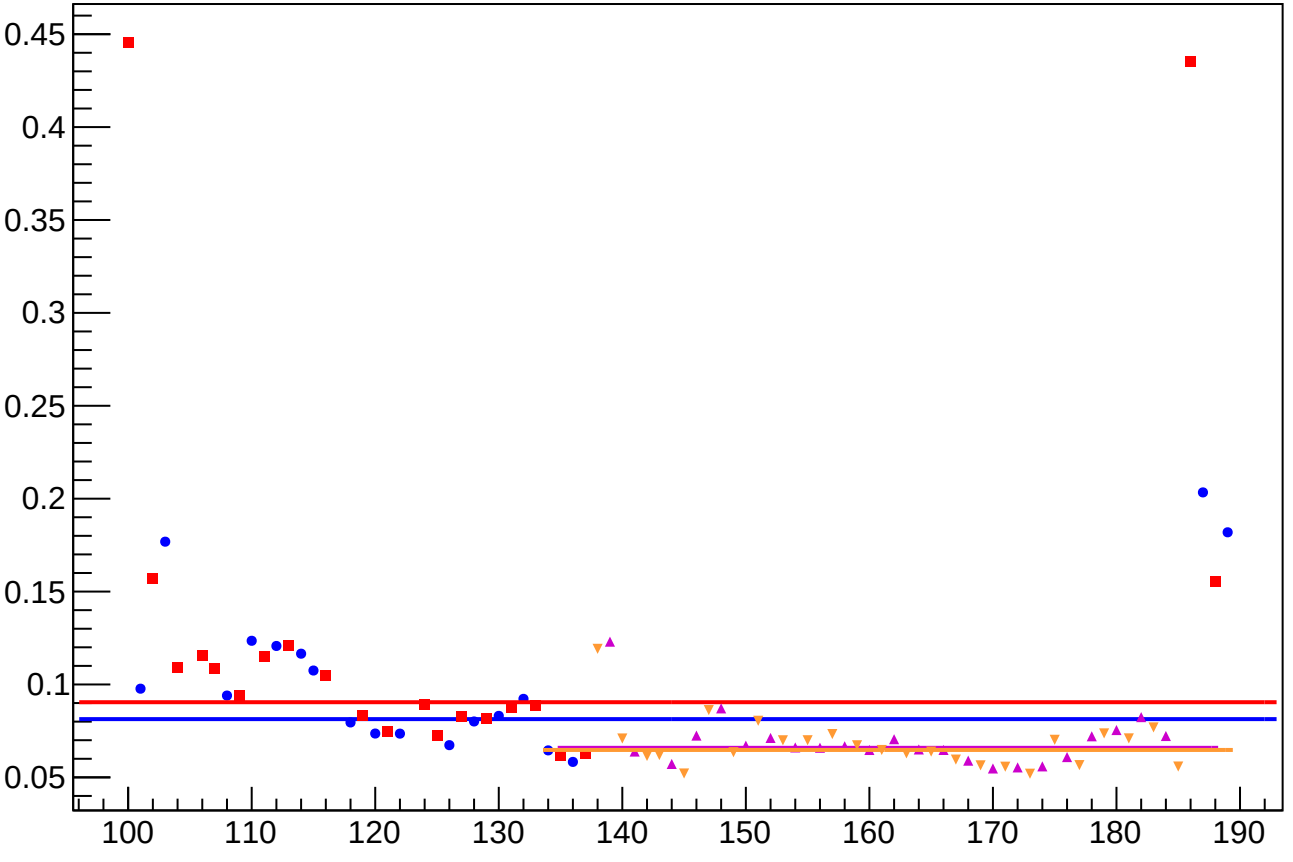
Left In: 15.645+/-0.000 χ^2/NDF:1858454747.6/22

+ sign 15.406+/-0.000 χ^2/NDF: 4134666045.3/42

All: 15.448+/-0.000 χ^2/NDF: 8161524908.8/8

- sign 15.494+/-0.000 χ^2/NDF: 4008873468.2/43

yield_sam4_rms vs Slug



Right In: 0.081+/-0.000 χ^2/NDF: 1370420.4/17

Left Out: 0.065+/-0.000 χ^2/NDF:855753.3/24

Right Out: 0.090+/-0.000 χ^2/NDF: 1632266.4/20

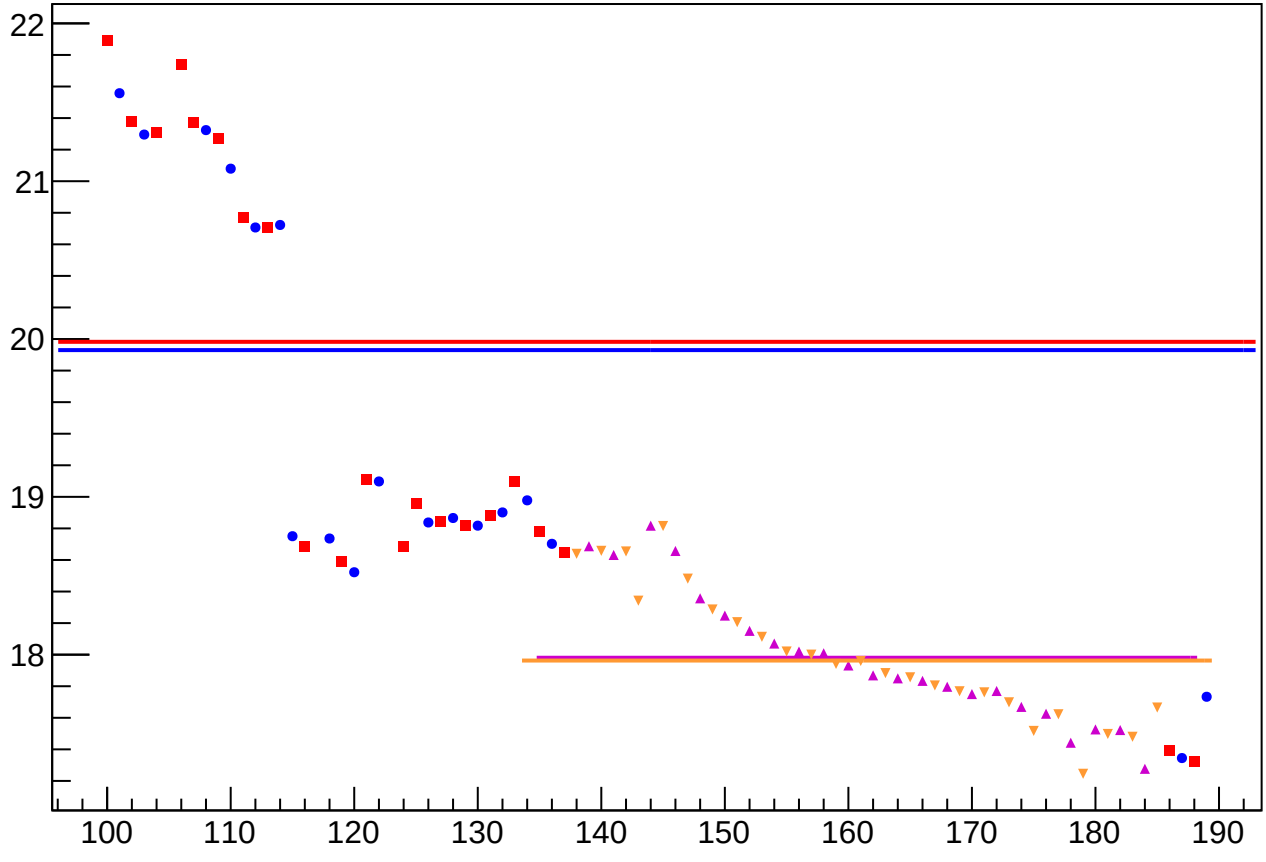
Left In: 0.066+/-0.000 χ^2/NDF:788235.2/22

+ sign 0.068+/-0.000 χ^2/NDF: 2650153.6/42

All: 0.069+/-0.000 χ^2/NDF: 5939874.4/86

- sign 0.071+/-0.000 χ^2/NDF: 3257538.7/43

yield_sam5_mean vs Slug



Right In: 19.930+/-0.000 χ^2/NDF: 11939624232.0/17

Left Out: 17.963+/-0.000 χ^2/NDF:3041551307.2/24

Right Out: 19.982+/-0.000 χ^2/NDF: 13989698753.9/20

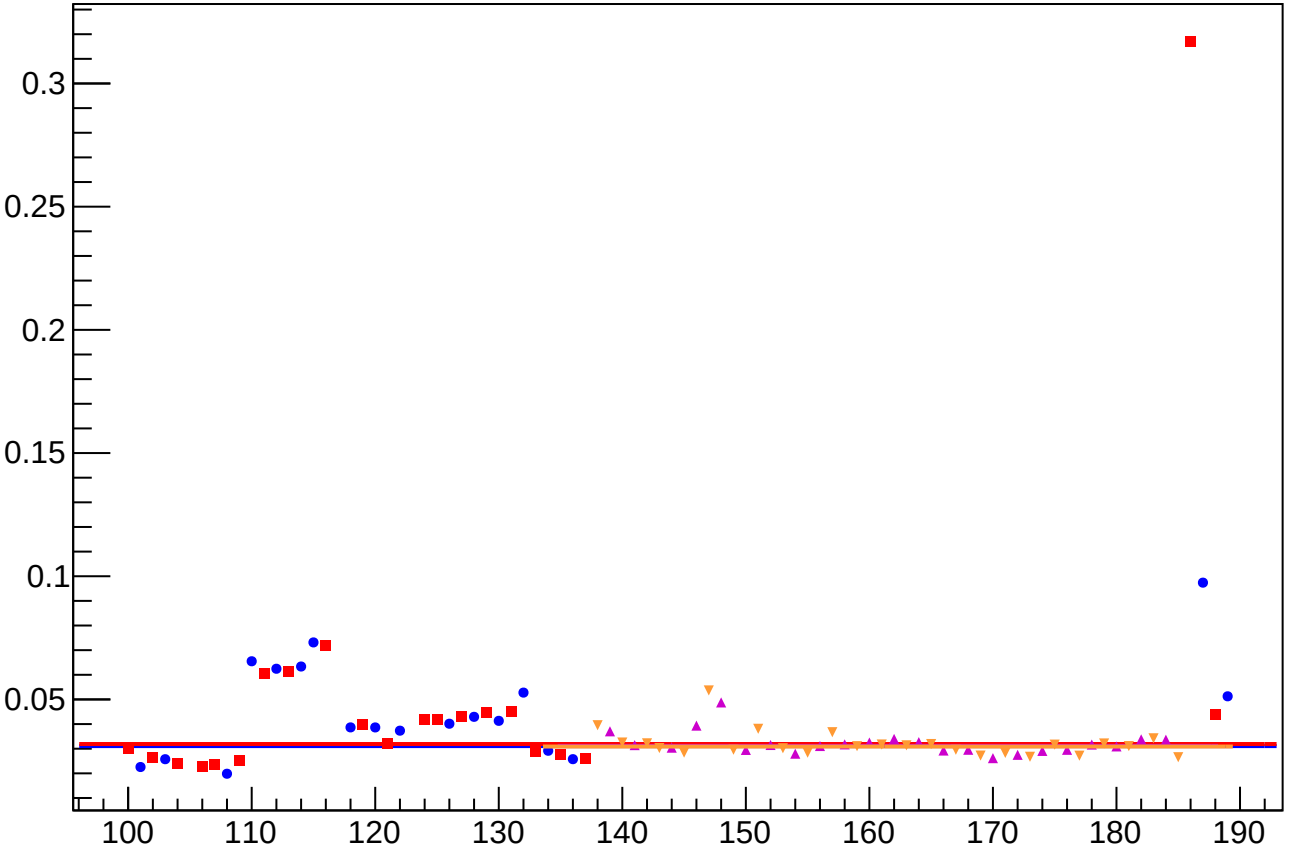
Left In: 17.980+/-0.000 χ^2/NDF:2720441956.8/22

+ sign 18.472+/-0.000 χ^2/NDF: 34206118871.3/42

All: 18.507+/-0.000 χ^2/NDF: 71115895661.8

- sign 18.543+/-0.000 χ^2/NDF: 36845559898.4/43

yield_sam5_rms vs Slug



Right In: 0.031+/-0.000 χ^2/NDF: 1774024.7/17

Left Out: 0.031+/-0.000 χ^2/NDF:633519.6/24

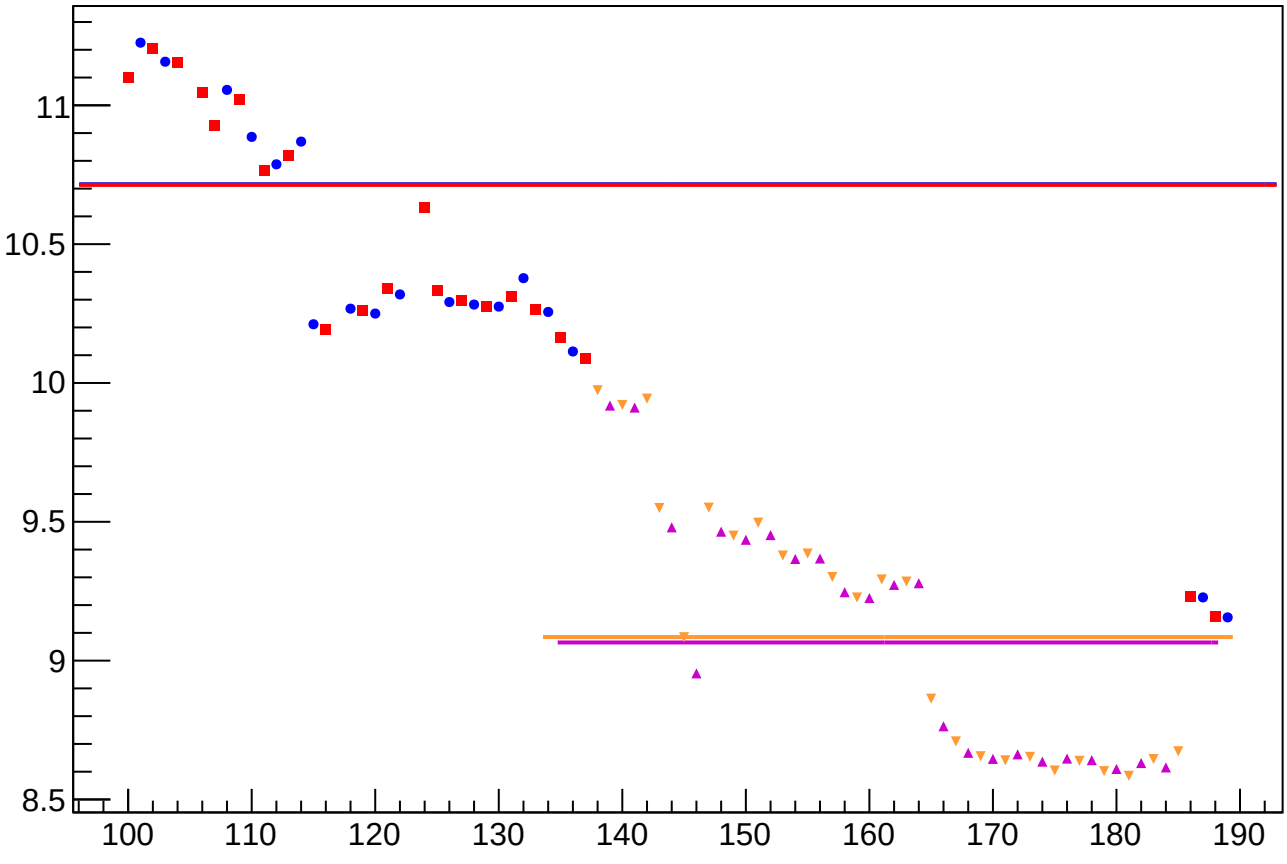
Right Out: 0.032+/-0.000 χ^2/NDF: 1970701.3/20

Left In: 0.031+/-0.000 χ^2/NDF:482919.2/22

+ sign 0.031+/-0.000 χ^2/NDF: 2407844.9/42

All: 0.031+/-0.000 χ^2/NDF: 4871856.1/86

- sign 0.031+/-0.000 χ^2/NDF: 2459574.6/43



Right In: 10.716+/-0.000 χ^2/NDF: 6688053848.5/17

Left Out: 9.085+/-0.000 χ^2/NDF:10203625727.4/24

Right Out: 10.713+/-0.000 χ^2/NDF: 5941532630.1/20

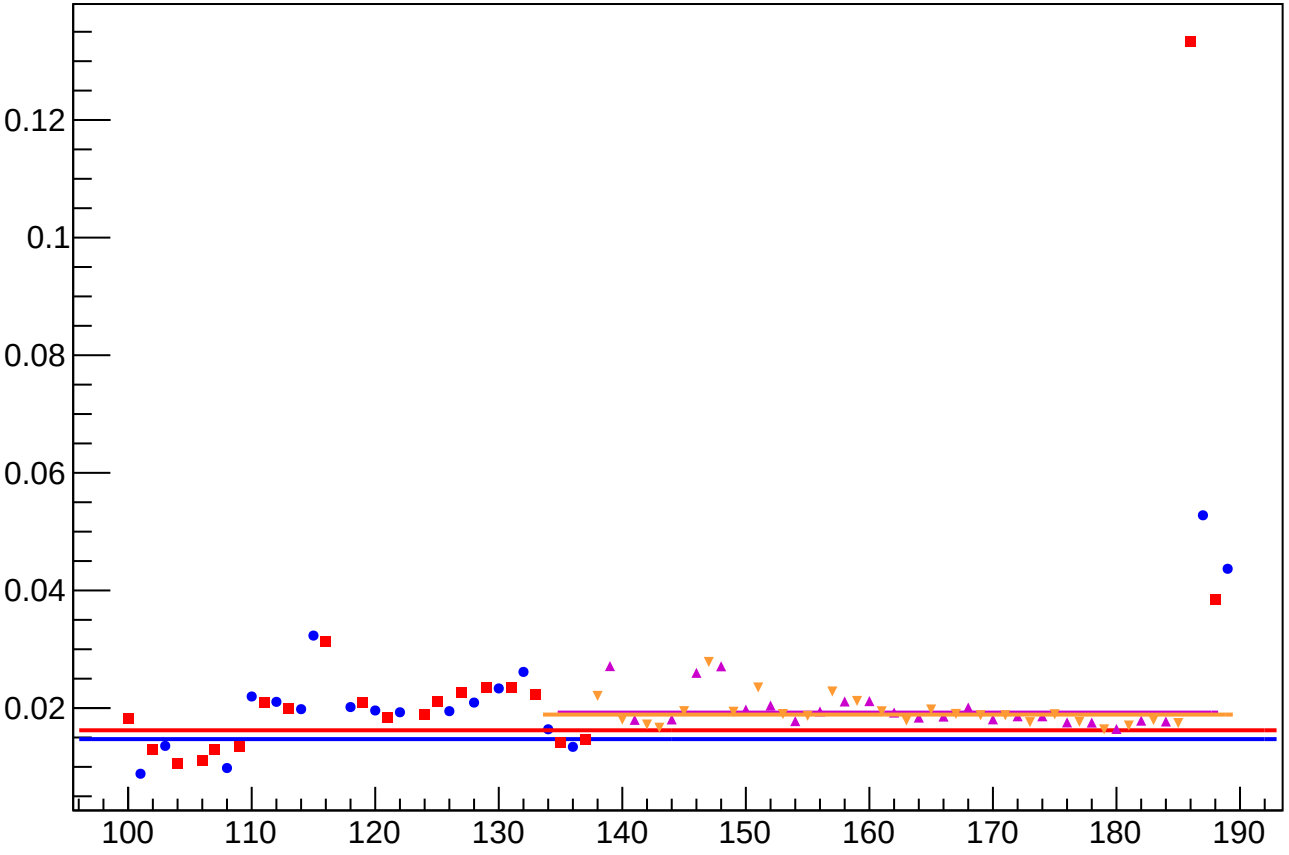
Left In: 9.065+/-0.000 χ^2/NDF:8070708662.0/22

+ sign 9.675+/-0.000 χ^2/NDF: 64321678927.1/42

All: 9.674+/-0.000 χ^2/NDF: 123179698763.9

- sign 9.673+/-0.000 χ^2/NDF: 58857880360.9/43

yield_sam6_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 2129606.6/17

Left Out: 0.019+/-0.000 χ^2/NDF:441360.7/24

Right Out: 0.016+/-0.000 χ^2/NDF: 2313688.9/20

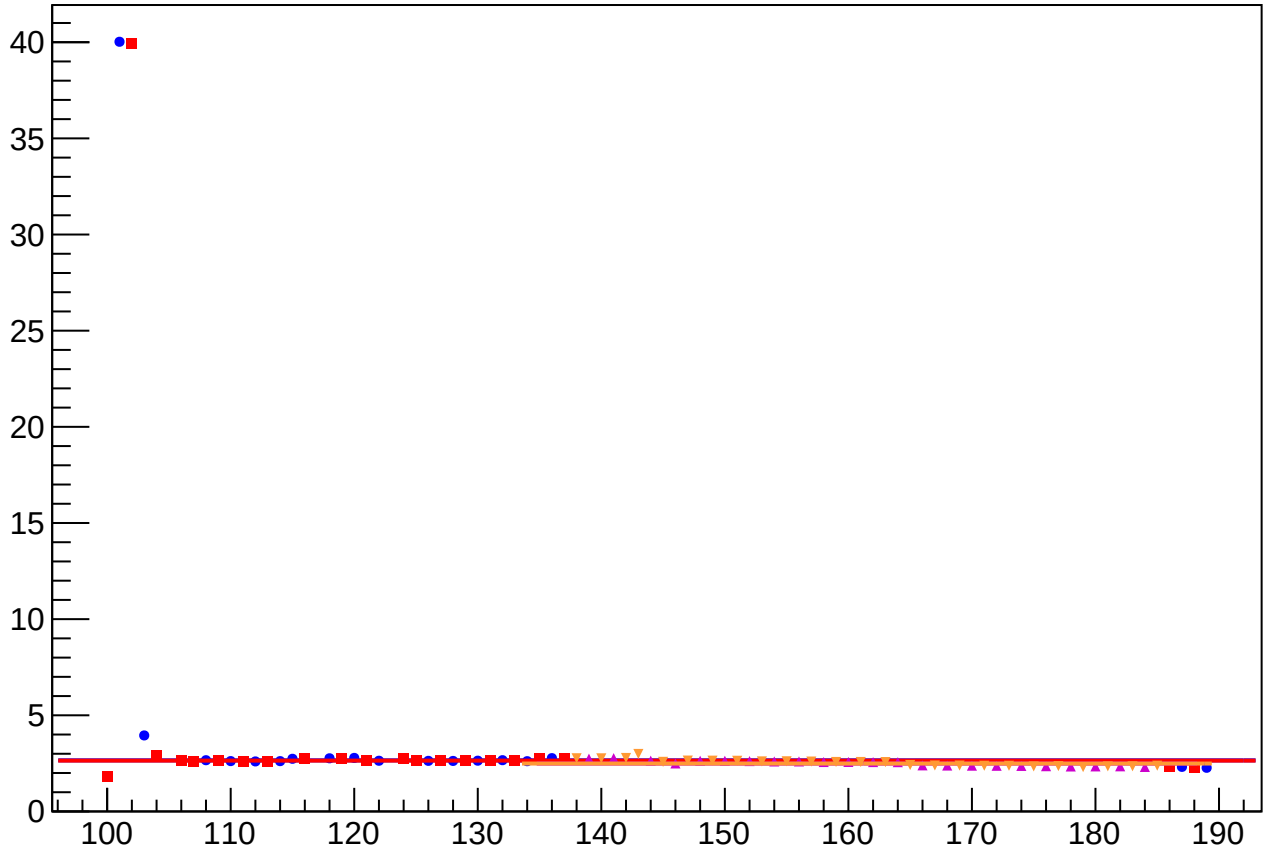
Left In: 0.019+/-0.000 χ^2/NDF:540886.4/22

+ sign 0.017+/-0.000 χ^2/NDF: 3192147.3/42

All: 0.018+/-0.000 χ^2/NDF: 6385895.8/86

- sign 0.018+/-0.000 χ^2/NDF: 3153493.8/43

yield_sam7_mean vs Slug



Right In: 2.658+/-0.000 χ^2/NDF: 70935329661.0/17

Left Out: 2.491+/-0.000 χ^2/NDF:92364283353.6/24

Right Out: 2.644+/-0.000 χ^2/NDF: 71271646657.3/20

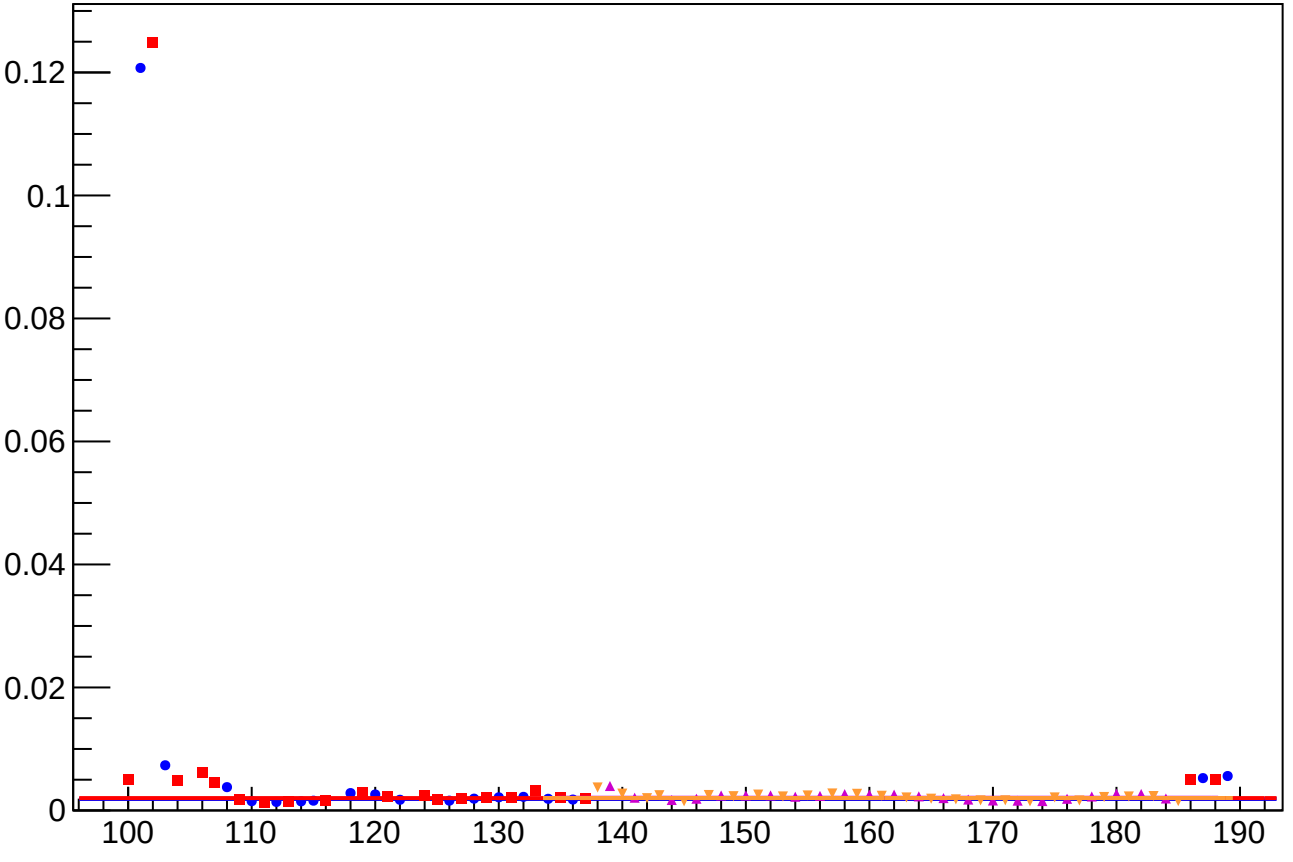
Left In: 2.489+/-0.000 χ^2/NDF:61212546319.1/22

+ sign 2.538+/-0.000 χ^2/NDF: 192665575999.4/42

All: 2.536+/-0.000 χ^2/NDF: 349833153205.1

- sign 2.535+/-0.000 χ^2/NDF: 157142035506.2/43

yield_sam7_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 2406888.4/17

Left Out: 0.002+/-0.000 χ^2/NDF:1556481.5/24

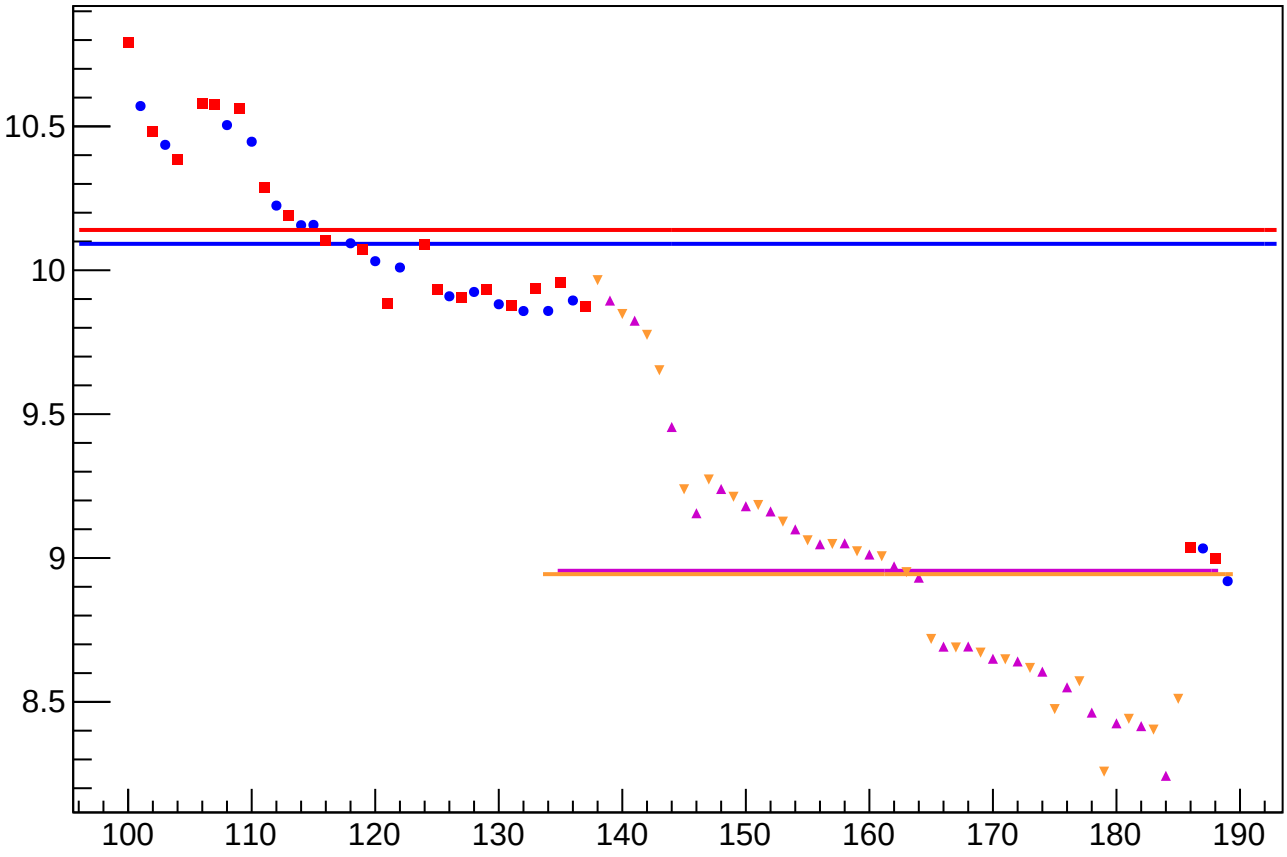
Right Out: 0.002+/-0.000 χ^2/NDF: 3490851.3/20

Left In: 0.002+/-0.000 χ^2/NDF:1402331.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 4014278.5/42

All: 0.002+/-0.000 χ^2/NDF: 8937473.9/86

- sign 0.002+/-0.000 χ^2/NDF: 4899524.6/43



Right In: 10.092+/-0.000 χ^2/NDF: 12236429059.8/17

Left Out: 8.944+/-0.000 χ^2/NDF:65887712966.5/24

Right Out: 10.140+/-0.000 χ^2/NDF: 15977352193.1/20

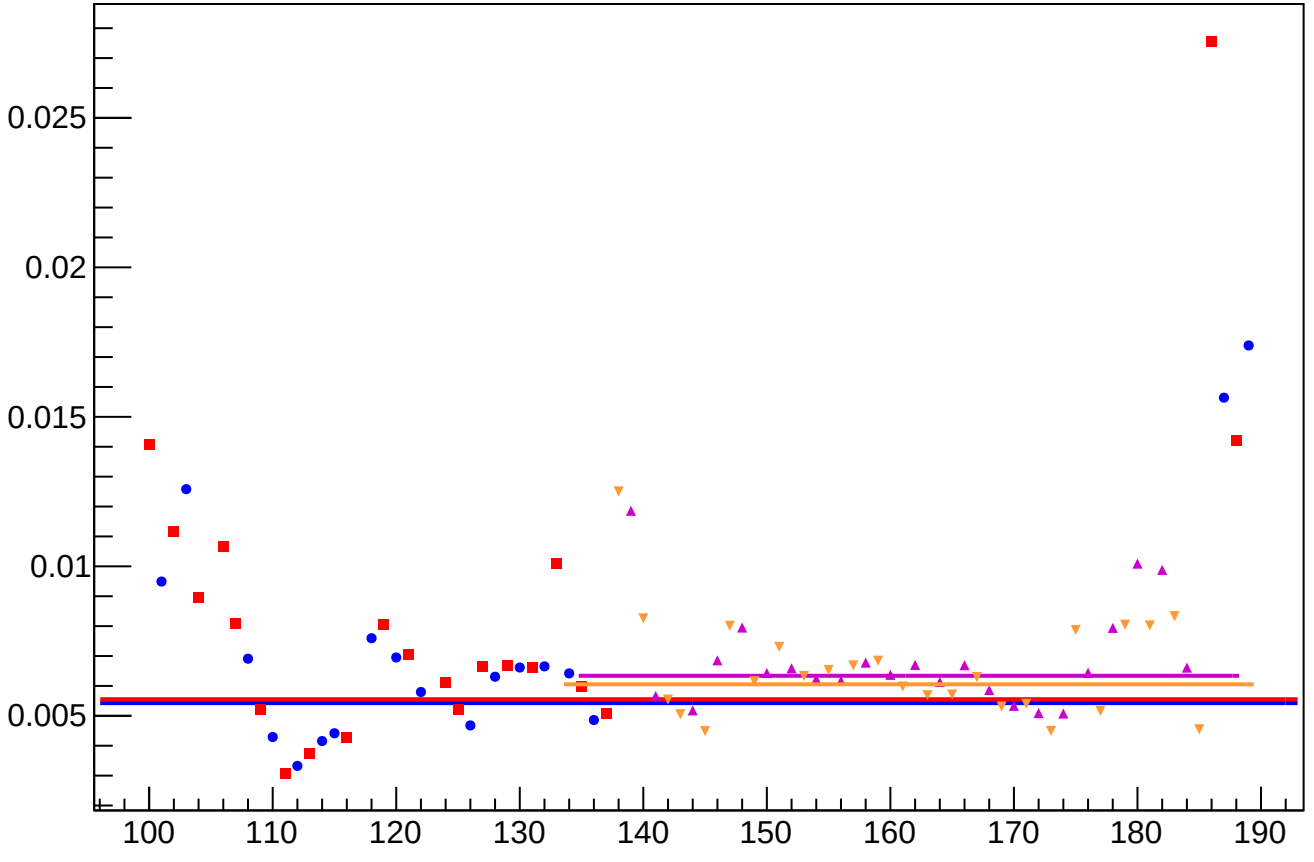
Left In: 8.956+/-0.000 χ^2/NDF:51572164470.4/22

+ sign 9.311+/-0.000 χ^2/NDF: 253614209469.5/42

All: 9.344+/-0.000 χ^2/NDF: 504473980572.6

- sign 9.380+/-0.000 χ^2/NDF: 249473935785.2/43

yield_sam8_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 1903883.5/17

Left Out: 0.006+/-0.000 χ^2/NDF:1461022.8/24

Right Out: 0.006+/-0.000 χ^2/NDF: 3022469.5/20

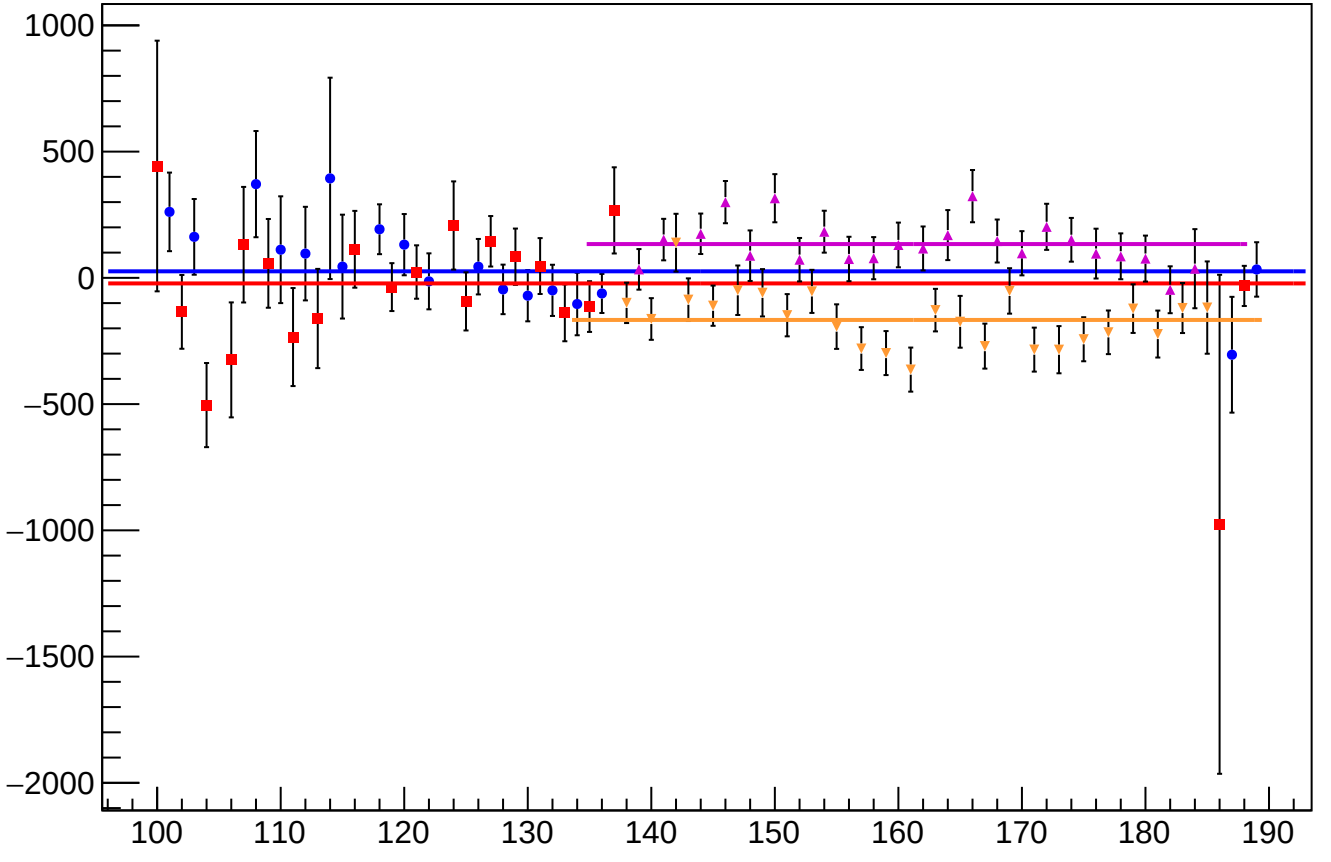
Left In: 0.006+/-0.000 χ^2/NDF:1175260.9/22

+ sign 0.006+/-0.000 χ^2/NDF: 3470341.1/42

All: 0.006+/-0.000 χ^2/NDF: 7852328.8/86

- sign 0.006+/-0.000 χ^2/NDF: 4356948.2/43

reg_asym_sam1_mean vs Slug



Right In: 25.901+/-29.359 χ^2/NDF: 17.2/17

Left Out: -166.676+/-18.079 χ^2/NDF:31.6/24

Right Out: -22.031+/-28.920 χ^2/NDF: 26.9/20

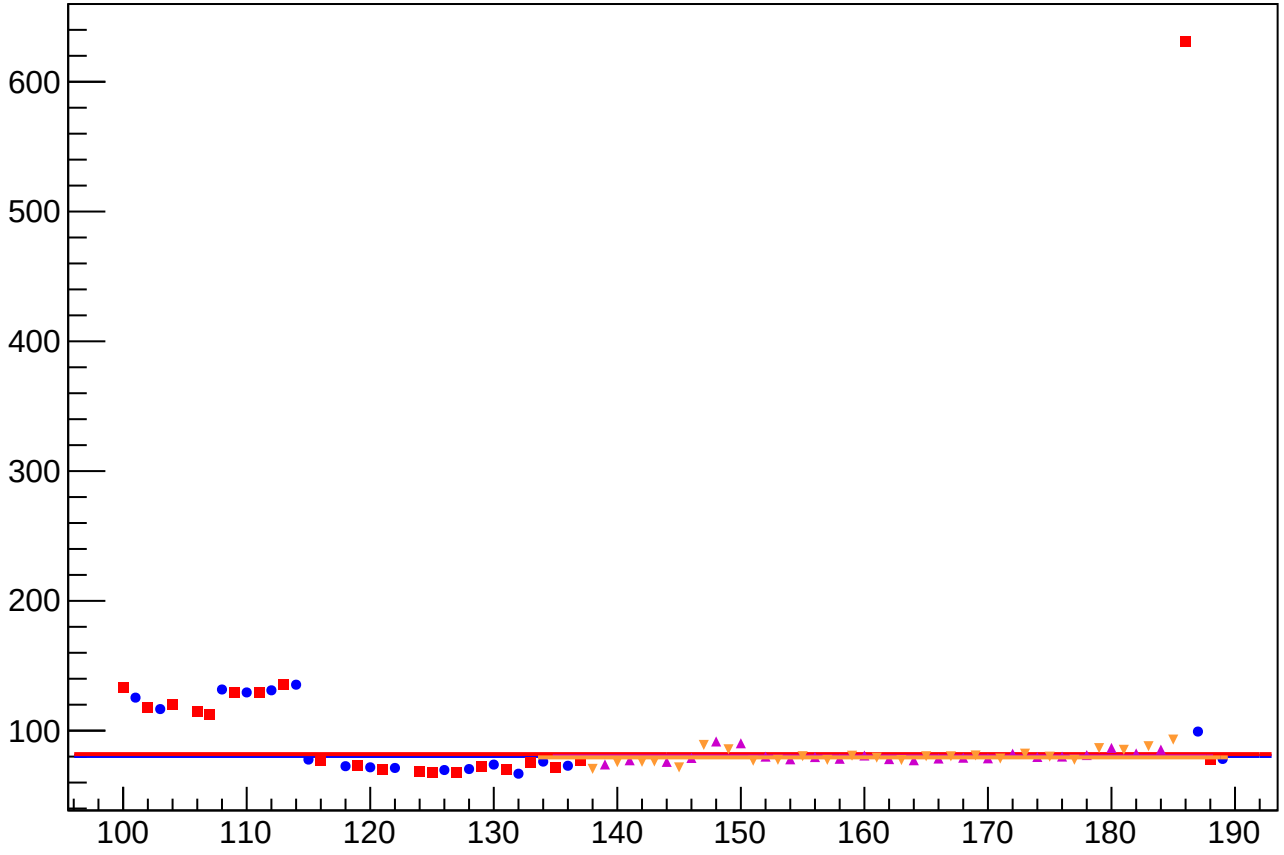
Left In: 133.843+/-18.756 χ^2/NDF:20.7/22

+ sign -113.729+/-15.394 χ^2/NDF: 80.0/42

All: -15.230+/-11.004 χ^2/NDF: 231.8/86

- sign 87.692+/-15.736 χ^2/NDF: 68.1/43

reg_asym_sam1_rms vs Slug



Right In: 80.505+/-0.021 χ^2/NDF: 854422.5/17

Left Out: 79.410+/-0.013 χ^2/NDF:134796.0/24

Right Out: 81.922+/-0.020 χ^2/NDF: 1554865.4/20

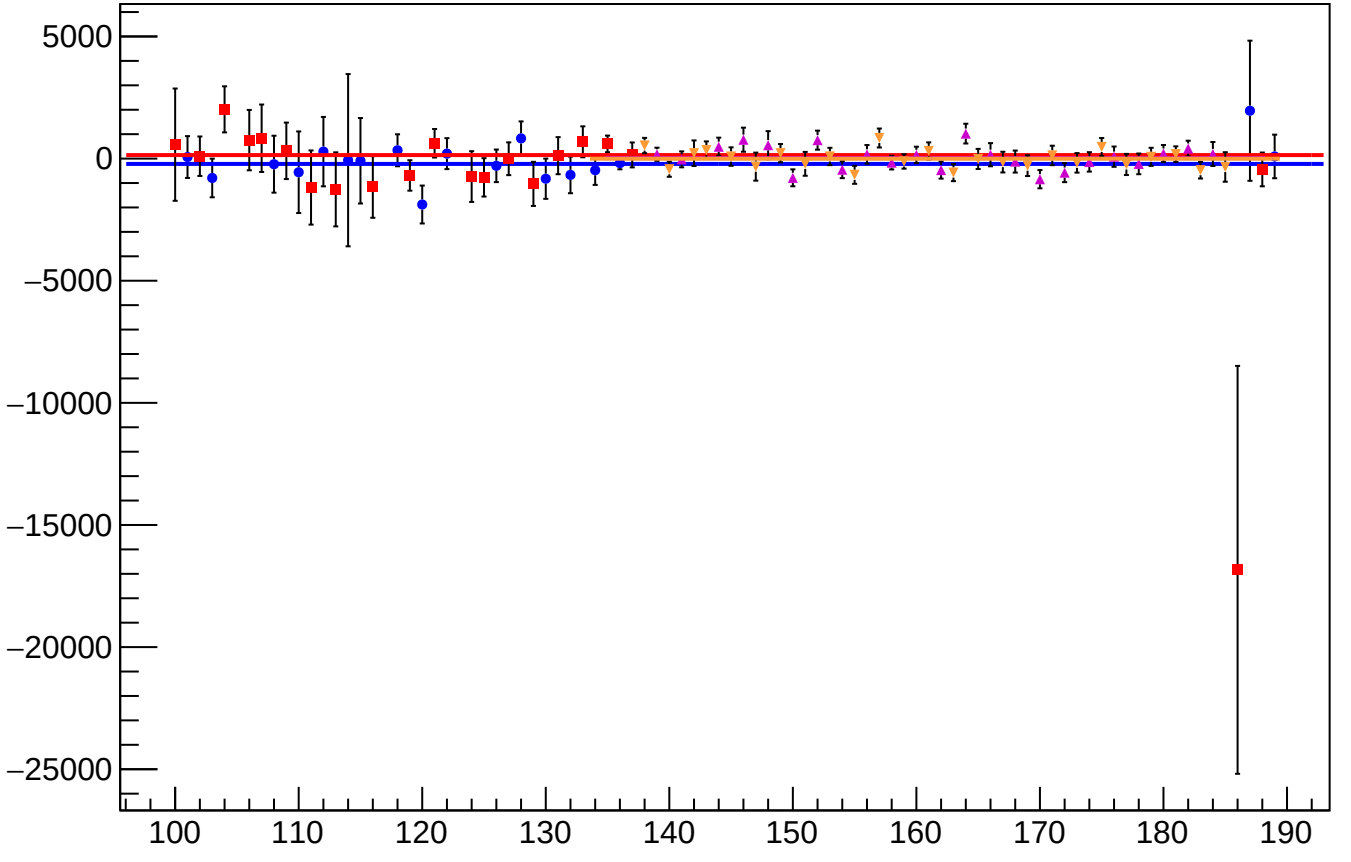
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 79.711+/-0.011 χ^2/NDF: 991235.6/42

All: 80.186+/-0.008 χ^2/NDF: 2646678.7/86

- sign 80.682+/-0.011 χ^2/NDF: 1651557.9/43

asym_sam1_reg_correction_mean vs Slug



Right In: -218.115+/-160.821 χ^2/NDF: 10.7/17

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 143.849+/-165.406 χ^2/NDF: 20.9/20

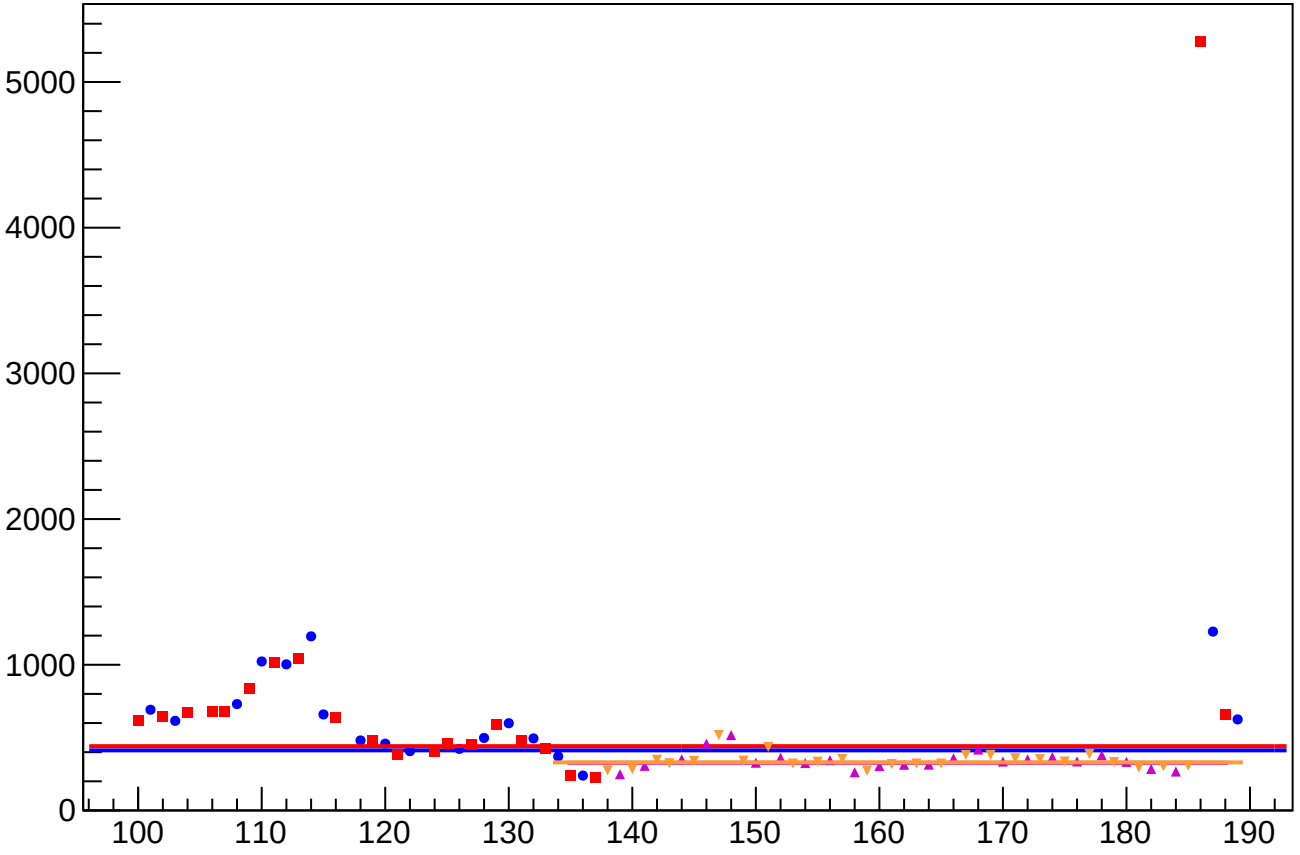
Left In: 19.298+/-77.541 χ^2/NDF:35.0/22

+ sign -42.543+/-68.612 χ^2/NDF: 36.2/42

All: -1.371+/-49.071 χ^2/NDF: 93.2/86

- sign 41.738+/-70.209 χ^2/NDF: 56.4/43

asym_sam1_reg_correction_rms vs Slug



Right In: 412.473+/-0.114 χ^2/NDF: 2642198.4/17

Left Out: 329.968+/-0.054 χ^2/NDF:659241.4/24

Right Out: 441.359+/-0.117 χ^2/NDF: 3258105.9/20

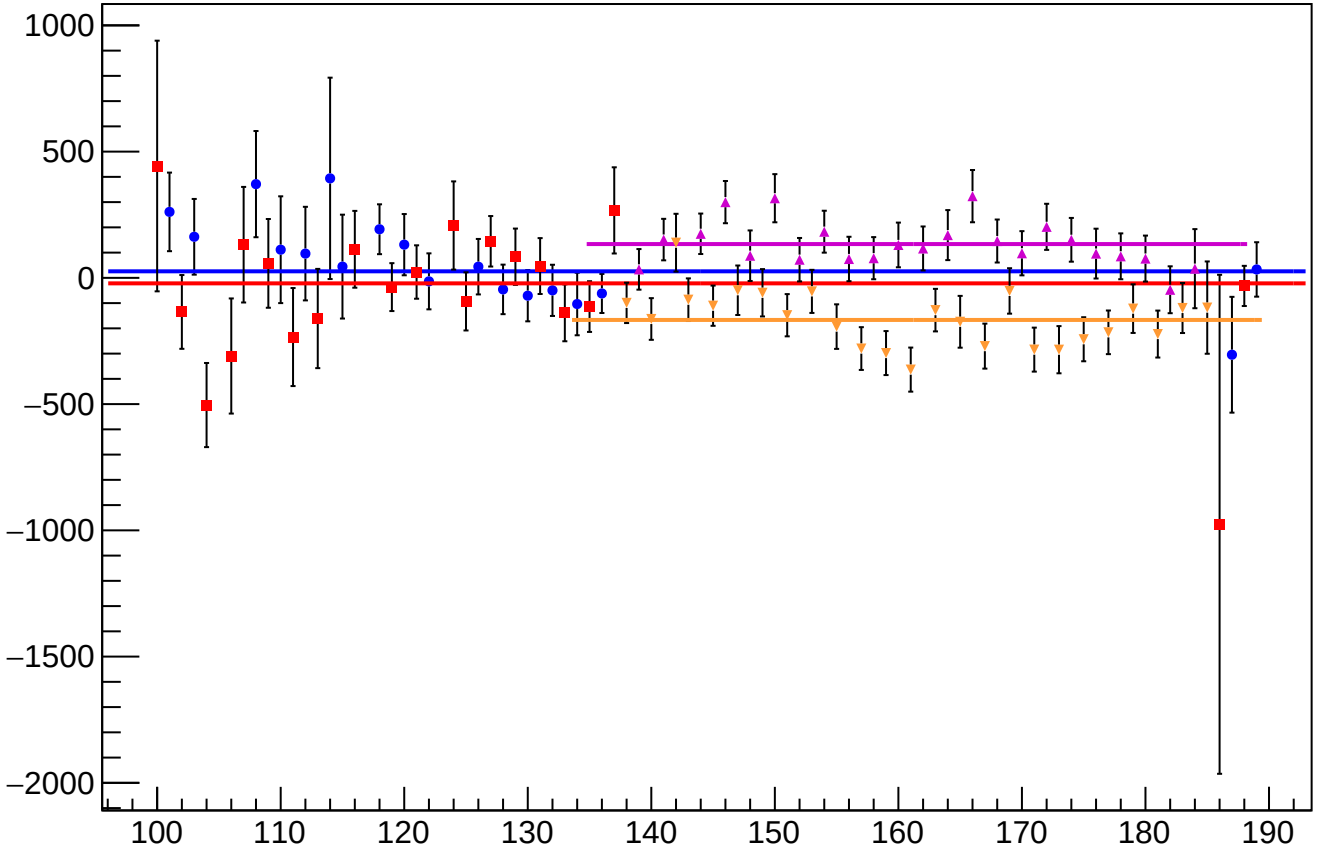
Left In: 326.963+/-0.055 χ^2/NDF:899326.3/22

+ sign 344.985+/-0.049 χ^2/NDF: 3732015.2/42

All: 346.250+/-0.035 χ^2/NDF: 8675117.3/86

- sign 347.574+/-0.050 χ^2/NDF: 4941711.3/43

cor_asym_sam1_mean vs Slug



Right In: 25.911+/-29.359 χ^2/NDF: 17.2/17

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: -21.777+/-28.920 χ^2/NDF: 26.7/20

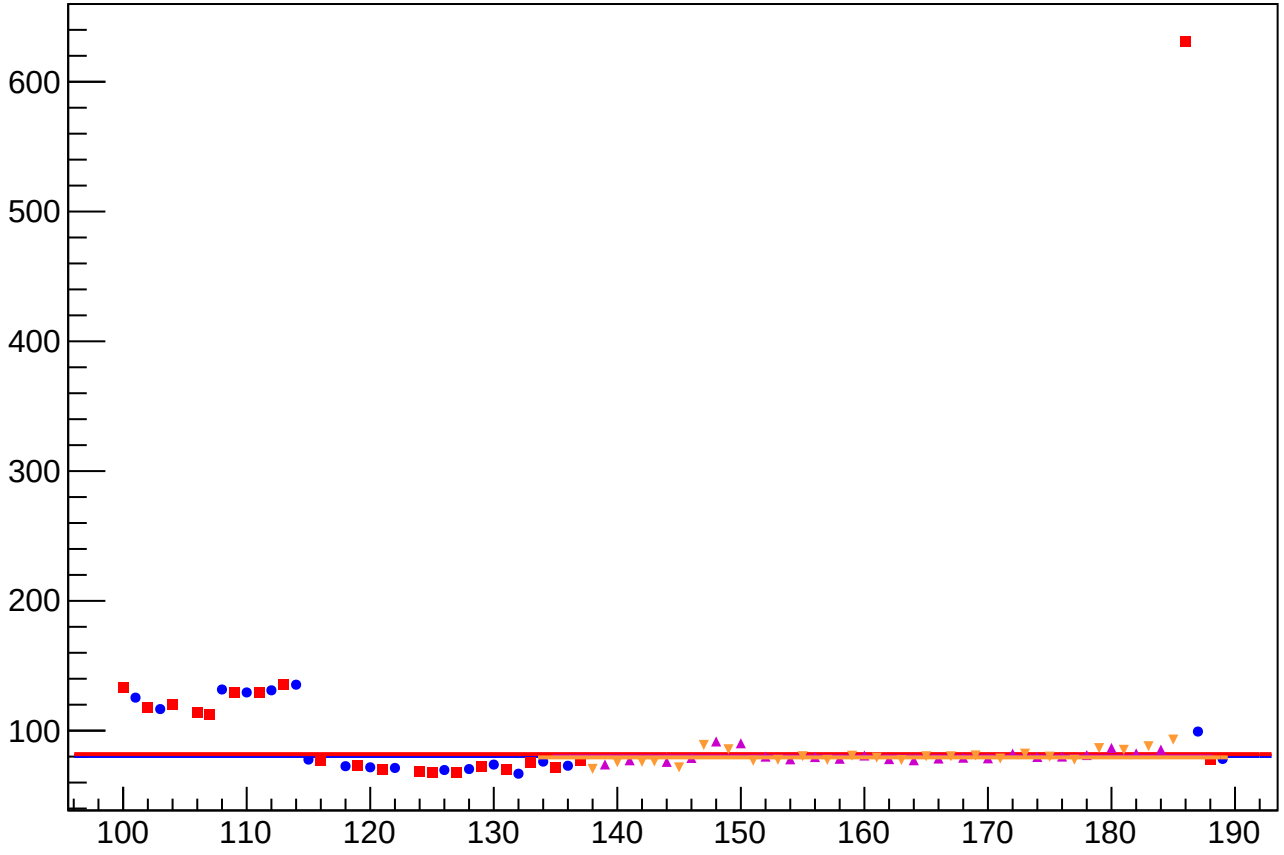
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -113.726+/-15.394 χ^2/NDF: 80.0/42

All: -15.189+/-11.004 χ^2/NDF: 231.6/86

- sign 87.774+/-15.736 χ^2/NDF: 67.8/43

cor_asym_sam1_rms vs Slug



Right In: 80.505+/-0.021 χ^2/NDF: 854422.7/17

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 81.909+/-0.020 χ^2/NDF: 1552989.8/20

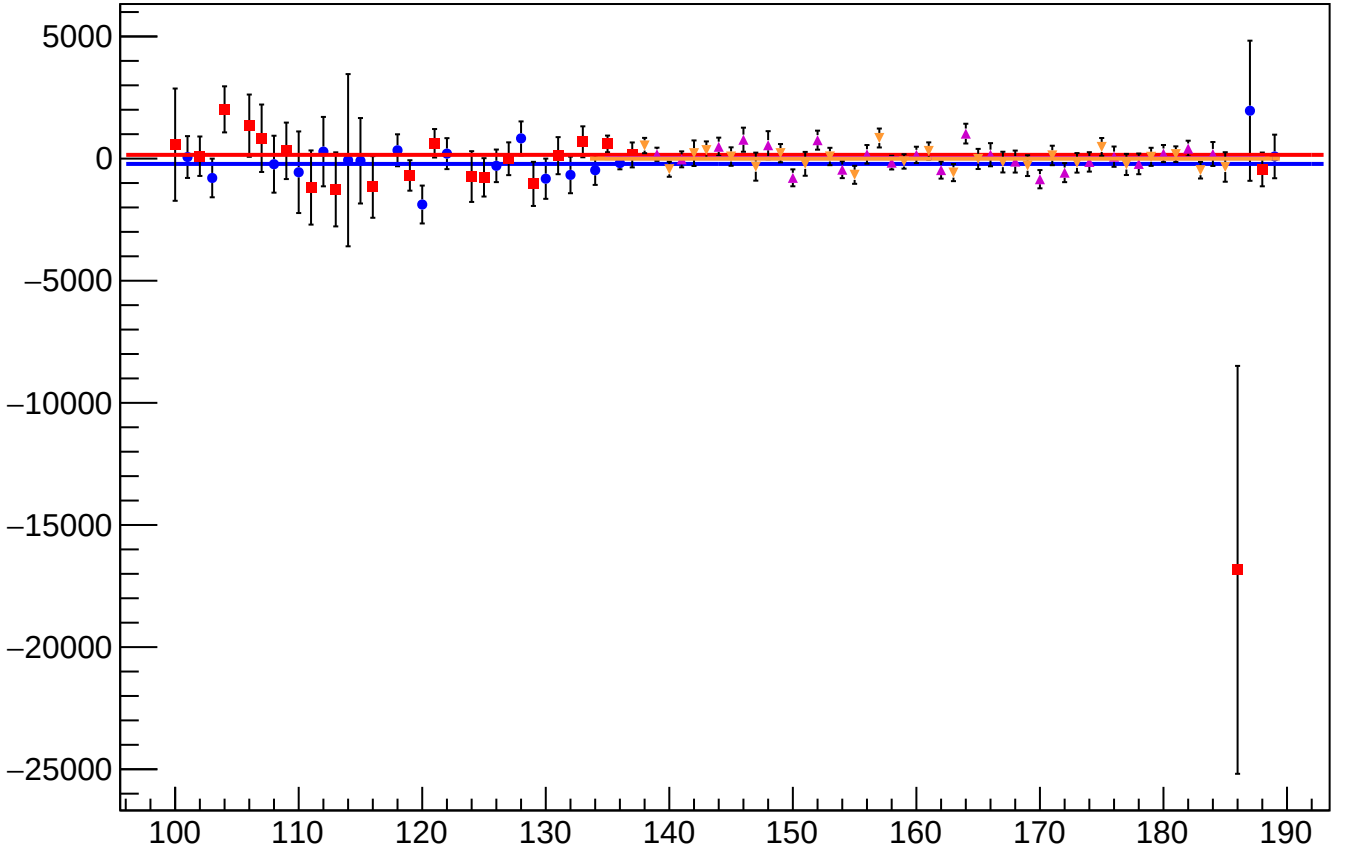
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 79.711+/-0.011 χ^2/NDF: 991235.8/42

All: 80.184+/-0.008 χ^2/NDF: 2644695.0/86

- sign 80.678+/-0.011 χ^2/NDF: 1649605.0/43

asym_sam1_cor_correction_mean vs Slug



Right In: -218.113+/-160.821 χ^2/NDF: 10.7/17

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 153.188+/-165.495 χ^2/NDF: 21.5/20

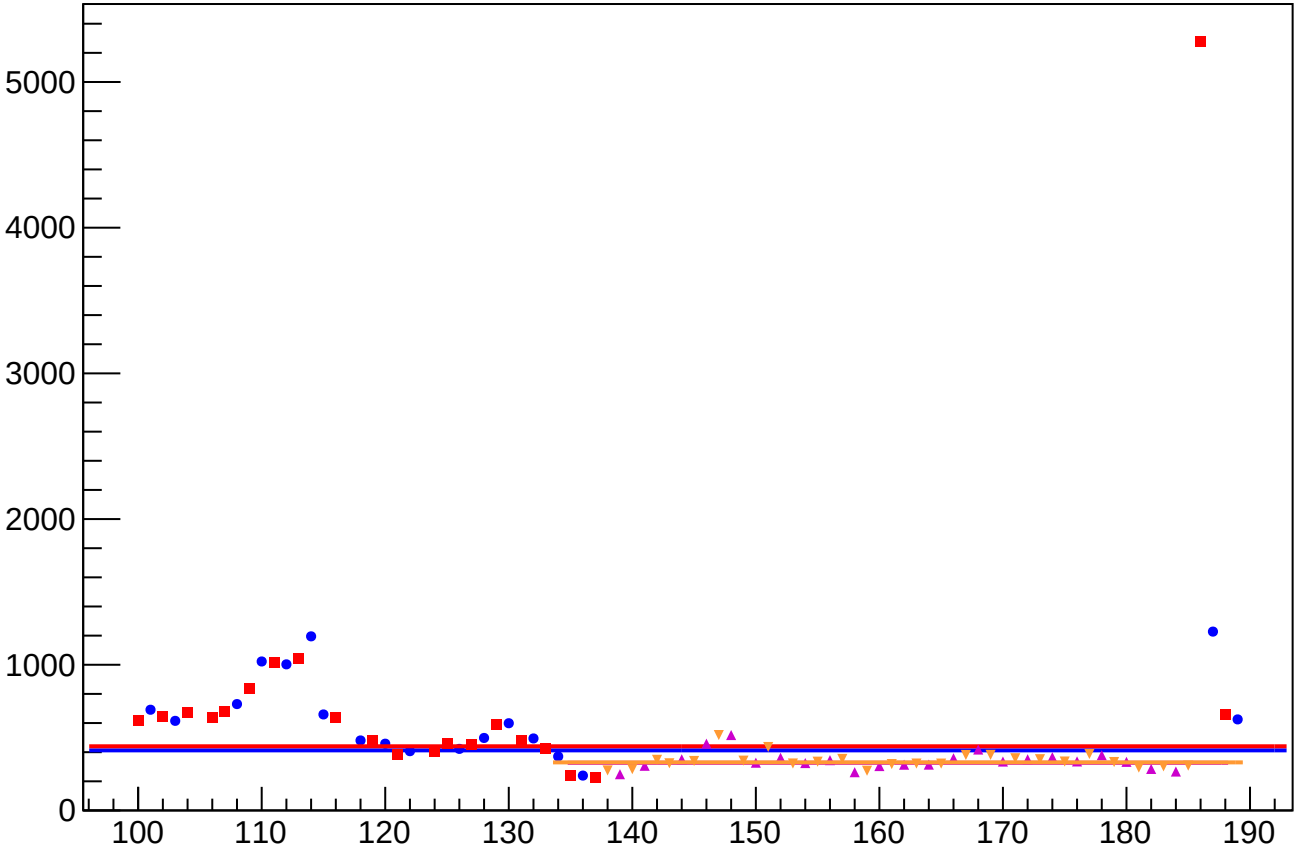
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

\+ sign -42.542+/-68.612 χ^2/NDF: 36.2/42

All: -0.561+/-49.073 χ^2/NDF: 94.0/86

\- sign 43.405+/-70.216 χ^2/NDF: 57.1/43

asym_sam1_cor_correction_rms vs Slug



Right In: 412.473+/-0.114 χ^2/NDF: 2642192.8/17

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 440.441+/-0.117 χ^2/NDF: 3232426.6/20

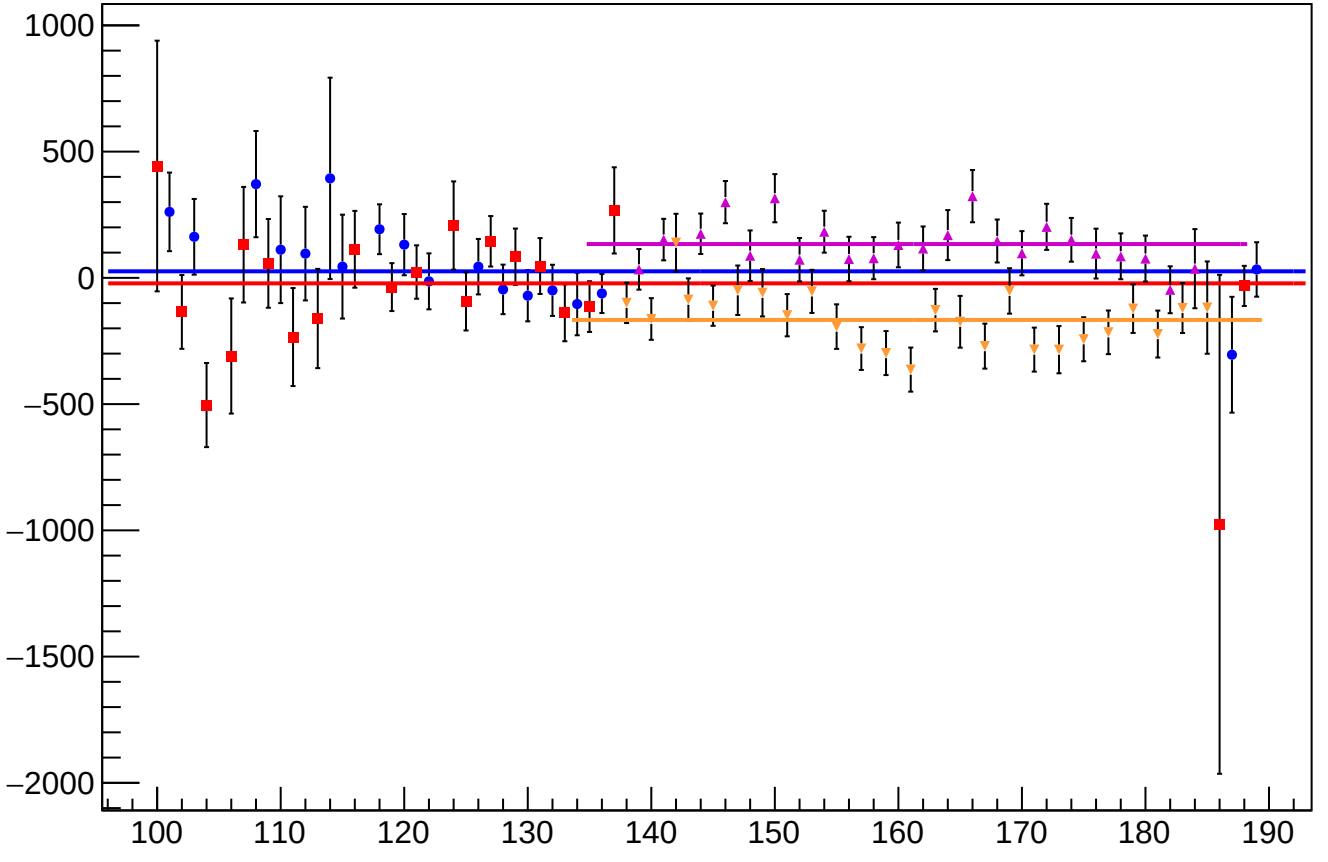
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

+ sign 344.985+/-0.049 χ^2/NDF: 3732021.3/42

All: 346.160+/-0.035 χ^2/NDF: 8636034.5/86

- sign 347.390+/-0.050 χ^2/NDF: 4902812.8/43

eigen_cor_asym_sam1_mean vs Slug



Right In: 25.911+/-29.359 χ^2/NDF: 17.2/17

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: -21.777+/-28.920 χ^2/NDF: 26.7/20

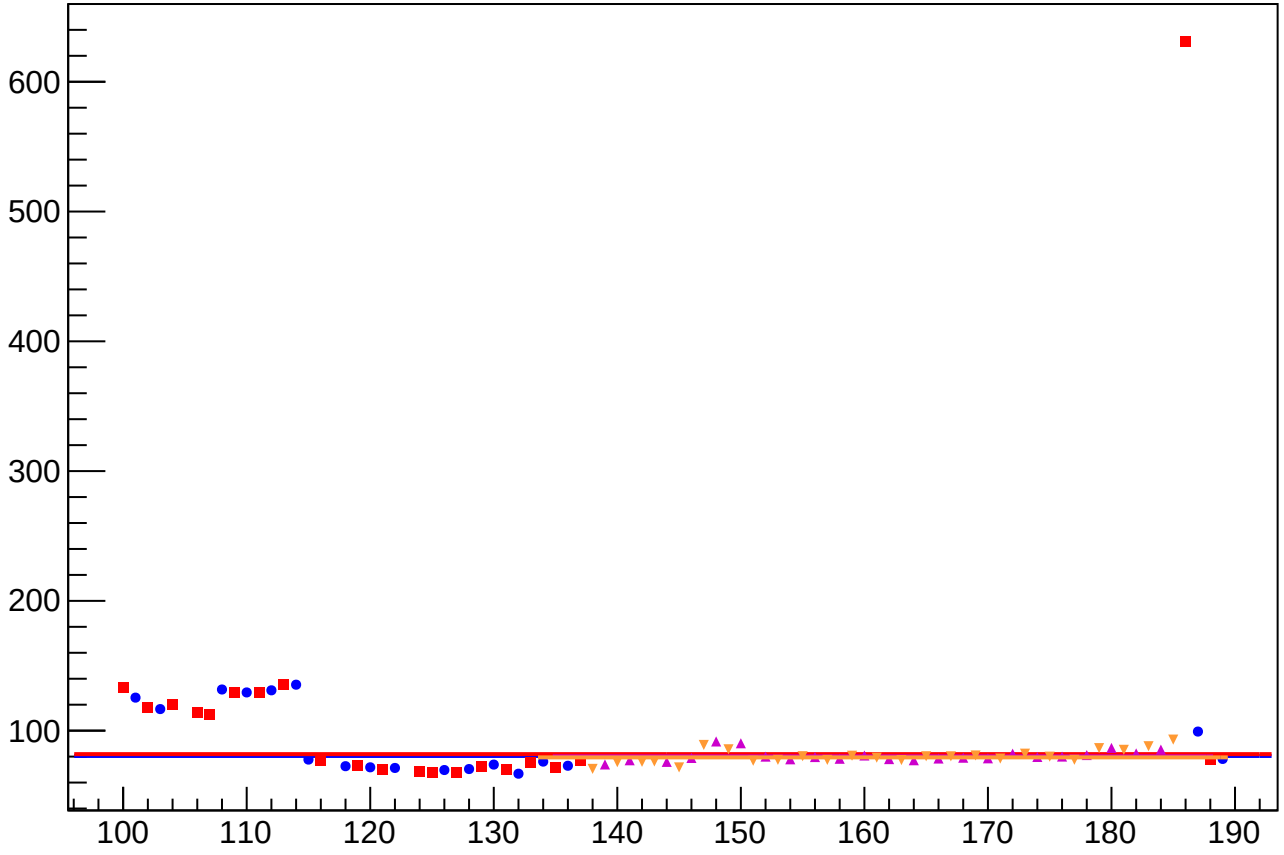
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -113.726+/-15.394 χ^2/NDF: 80.0/42

All: -15.189+/-11.004 χ^2/NDF: 231.6/86

- sign 87.774+/-15.736 χ^2/NDF: 67.8/43

eigen_cor_asym_sam1_rms vs Slug



Right In: 80.505+/-0.021 χ^2/NDF: 854422.7/17

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

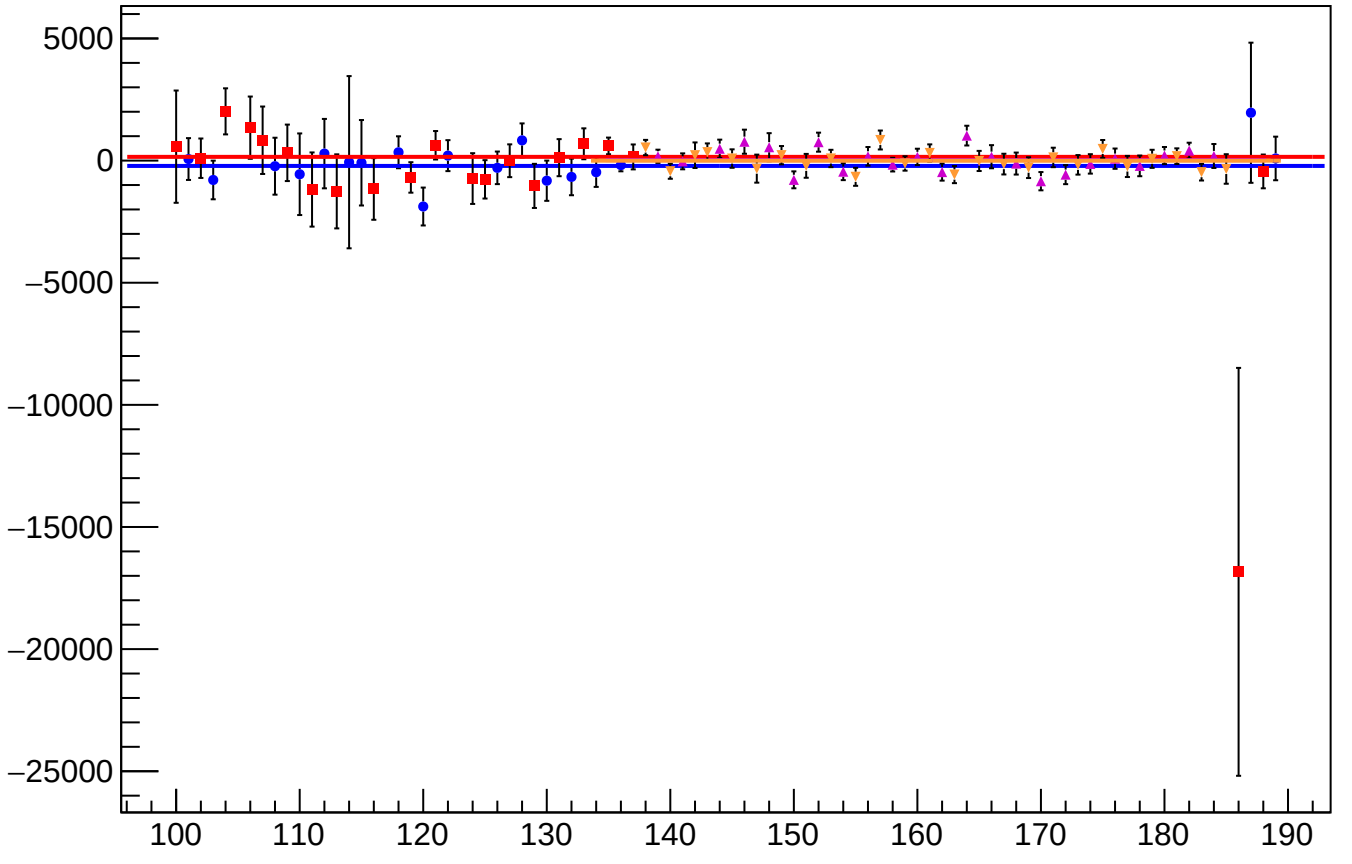
Right Out: 81.909+/-0.020 χ^2/NDF: 1552989.8/20

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 79.711+/-0.011 χ^2/NDF: 991235.8/42

All: 80.184+/-0.008 χ^2/NDF: 2644695.0/86

- sign 80.678+/-0.011 χ^2/NDF: 1649605.0/43



Right In: -218.113+/-160.821 χ^2/NDF: 10.7/17

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 153.188+/-165.495 χ^2/NDF: 21.5/20

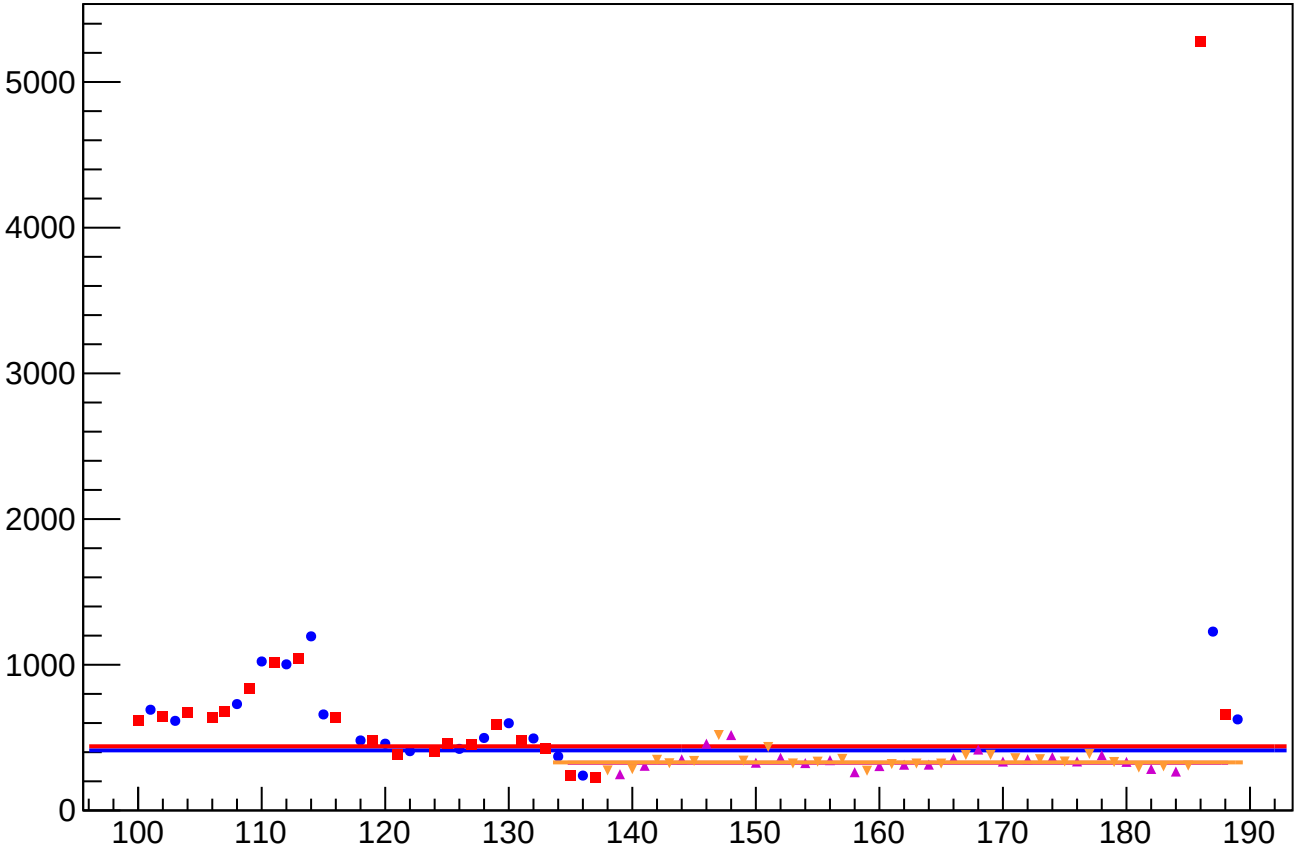
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

+ sign -42.542+/-68.612 χ^2/NDF: 36.2/42

All: -0.561+/-49.073 χ^2/NDF: 94.0/86

- sign 43.405+/-70.216 χ^2/NDF: 57.1/43

asym_sam1_eigen_cor_correction_rms vs Slug



Right In: 412.473+/-0.114 χ^2/NDF: 2642192.8/17

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 440.441+/-0.117 χ^2/NDF: 3232426.6/20

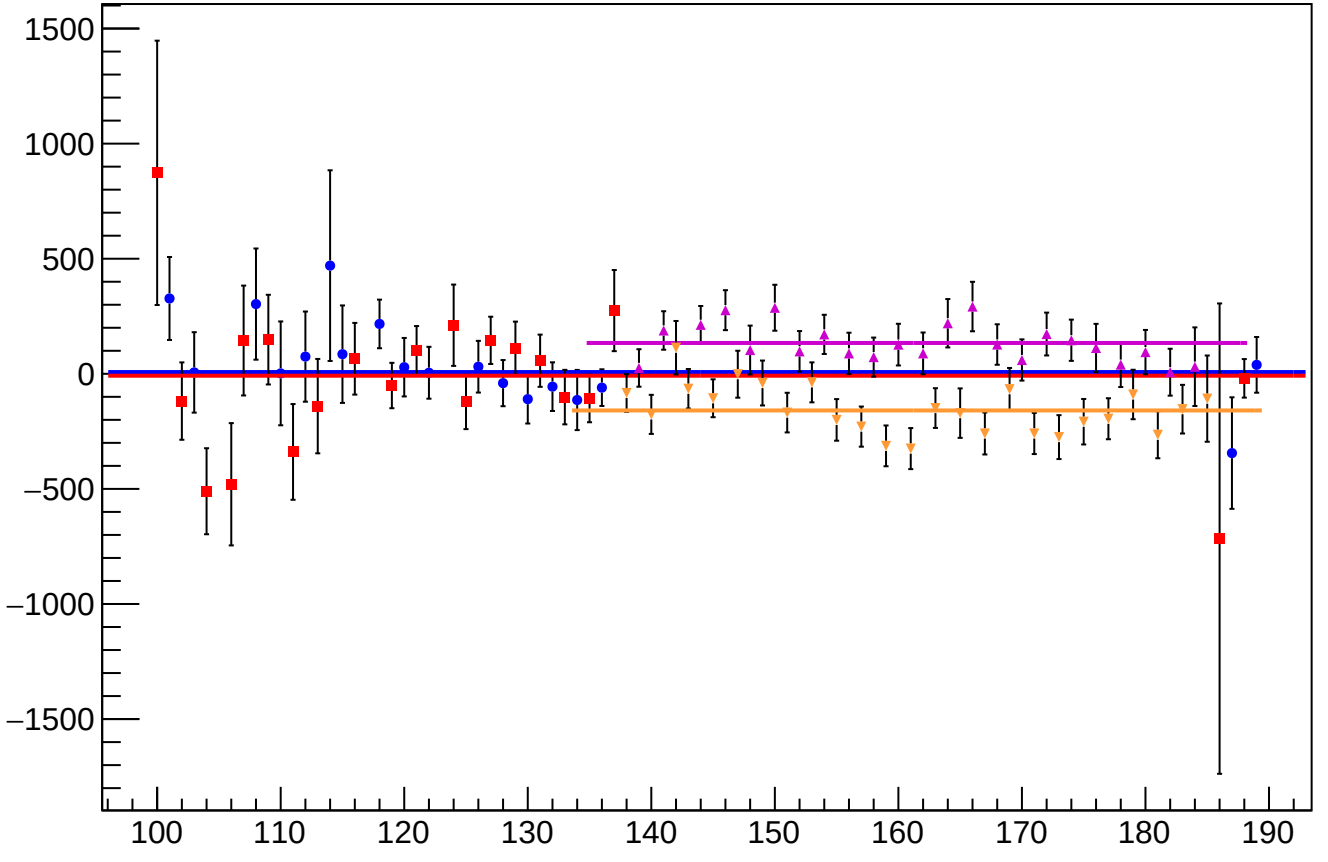
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

+ sign 344.985+/-0.049 χ^2/NDF: 3732021.3/42

All: 346.160+/-0.035 χ^2/NDF: 8636034.5/86

- sign 347.390+/-0.050 χ^2/NDF: 4902812.8/43

dit_asym_sam1_mean vs Slug



Right In: 7.628+/-30.948 χ^2/NDF: 15.7/17

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: -8.248+/-30.238 χ^2/NDF: 29.3/20

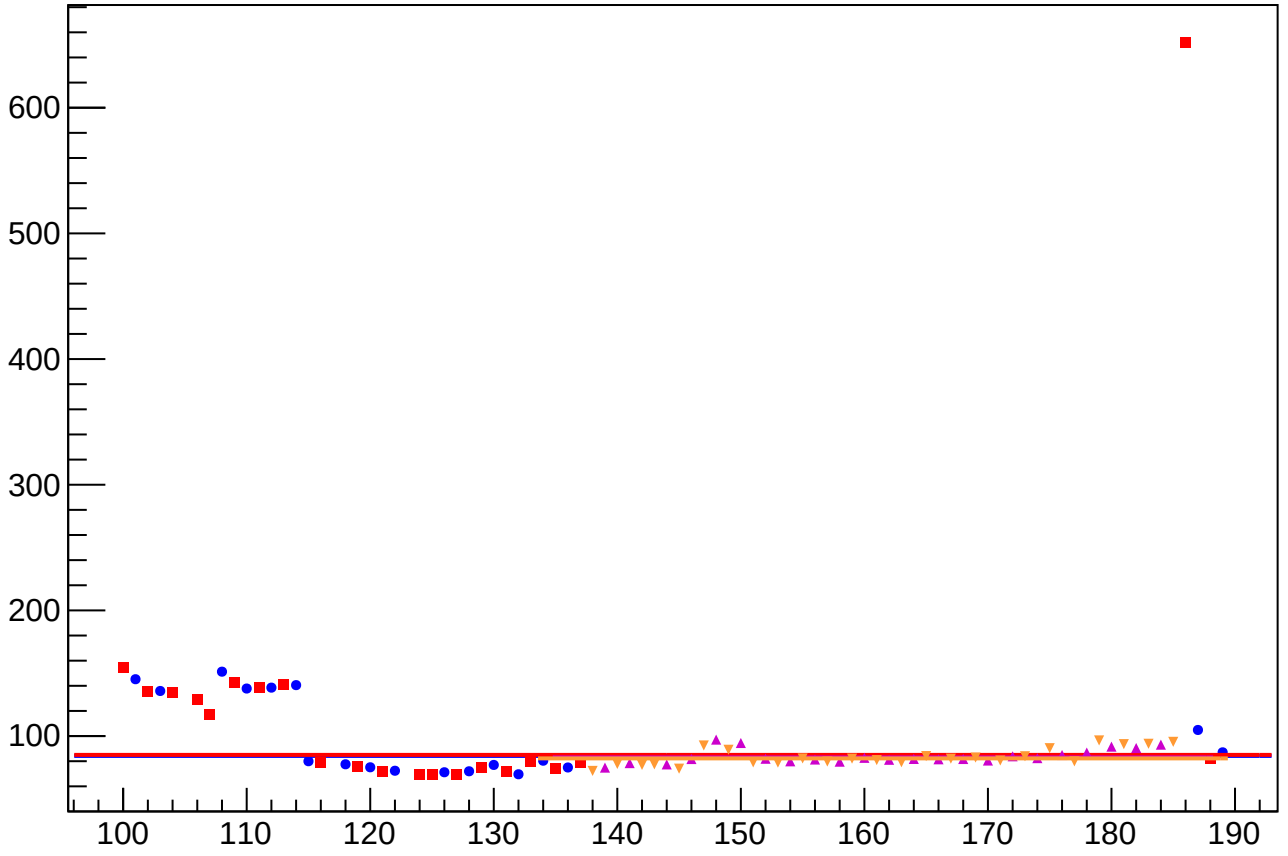
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -114.426+/-16.036 χ^2/NDF: 65.1/42

All: -13.033+/-11.450 χ^2/NDF: 208.1/86

- sign 92.405+/-16.353 χ^2/NDF: 61.4/43

dit_asym_sam1_rms vs Slug



Right In: 84.226+/-0.022 χ^2/NDF: 1051014.3/17

Left Out: 82.247+/-0.013 χ^2/NDF:216548.3/24

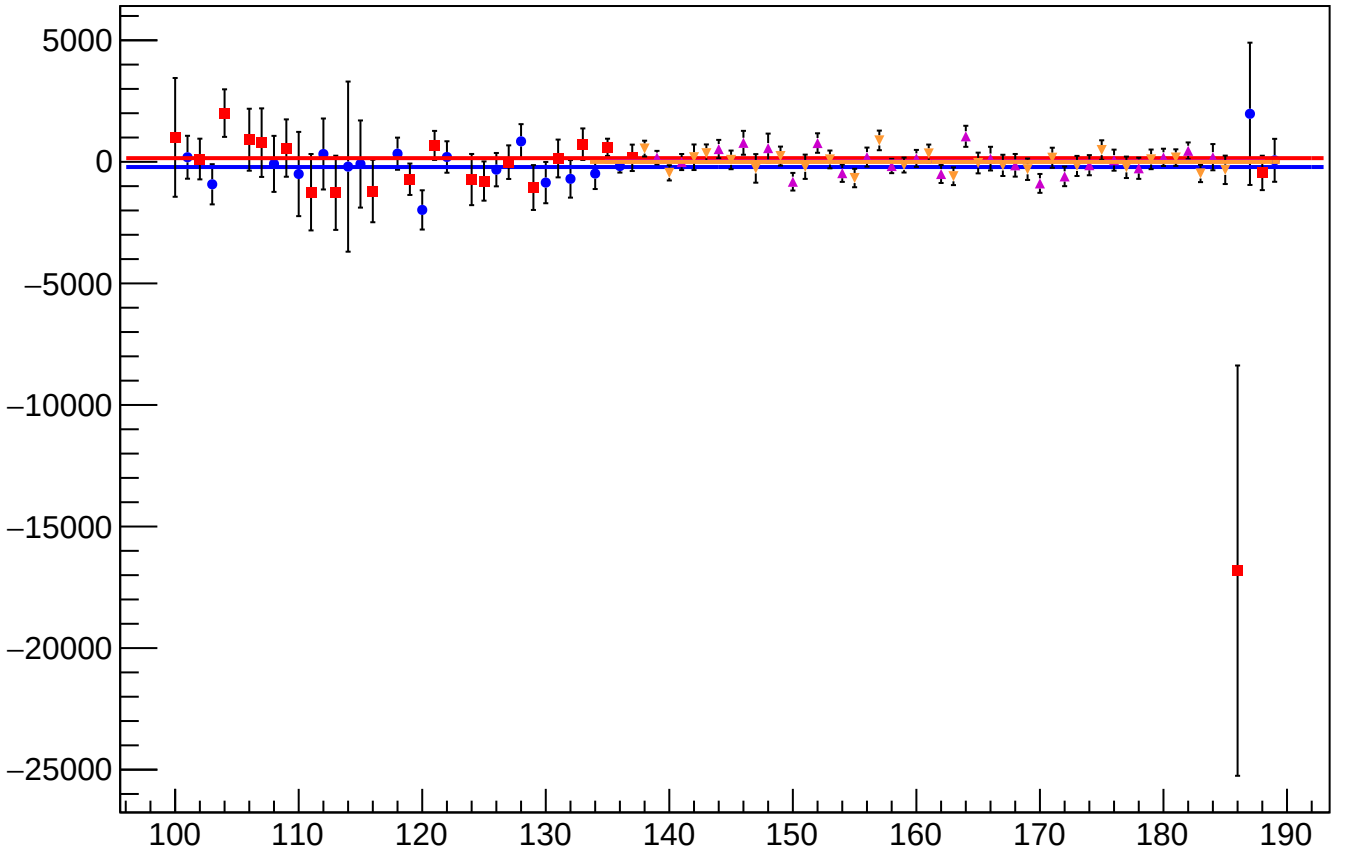
Right Out: 85.024+/-0.021 χ^2/NDF: 1739945.7/20

Left In: 82.993+/-0.014 χ^2/NDF:145608.6/22

+ sign 82.778+/-0.011 χ^2/NDF: 1273540.7/42

All: 83.175+/-0.008 χ^2/NDF: 3167969.7/86

- sign 83.587+/-0.012 χ^2/NDF: 1891936.3/43



Right In: -213.752+/-166.790 χ^2/NDF: 11.1/17

Left Out: -3.095+/-78.582 χ^2/NDF:23.5/24

Right Out: 152.151+/-170.839 χ^2/NDF: 20.7/20

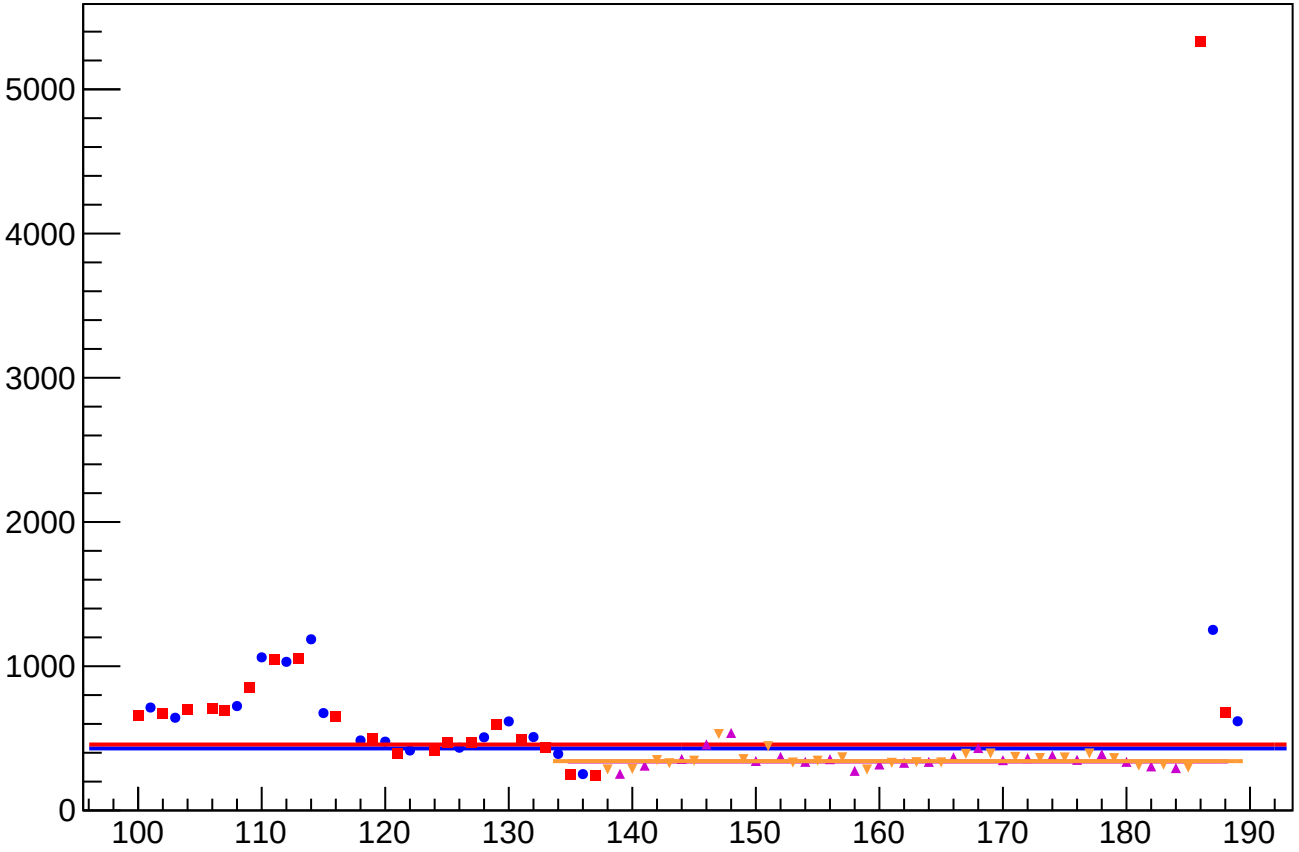
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

+ sign -41.361+/-71.087 χ^2/NDF: 35.9/42

All: -1.078+/-50.845 χ^2/NDF: 92.7/86

- sign 41.117+/-72.754 χ^2/NDF: 56.2/43

asym_sam1_dit_correction_rms vs Slug



Right In: 430.098+/-0.118 χ^2/NDF: 2510004.5/17

Left Out: 341.918+/-0.056 χ^2/NDF:653930.4/24

Right Out: 457.333+/-0.121 χ^2/NDF: 3183549.8/20

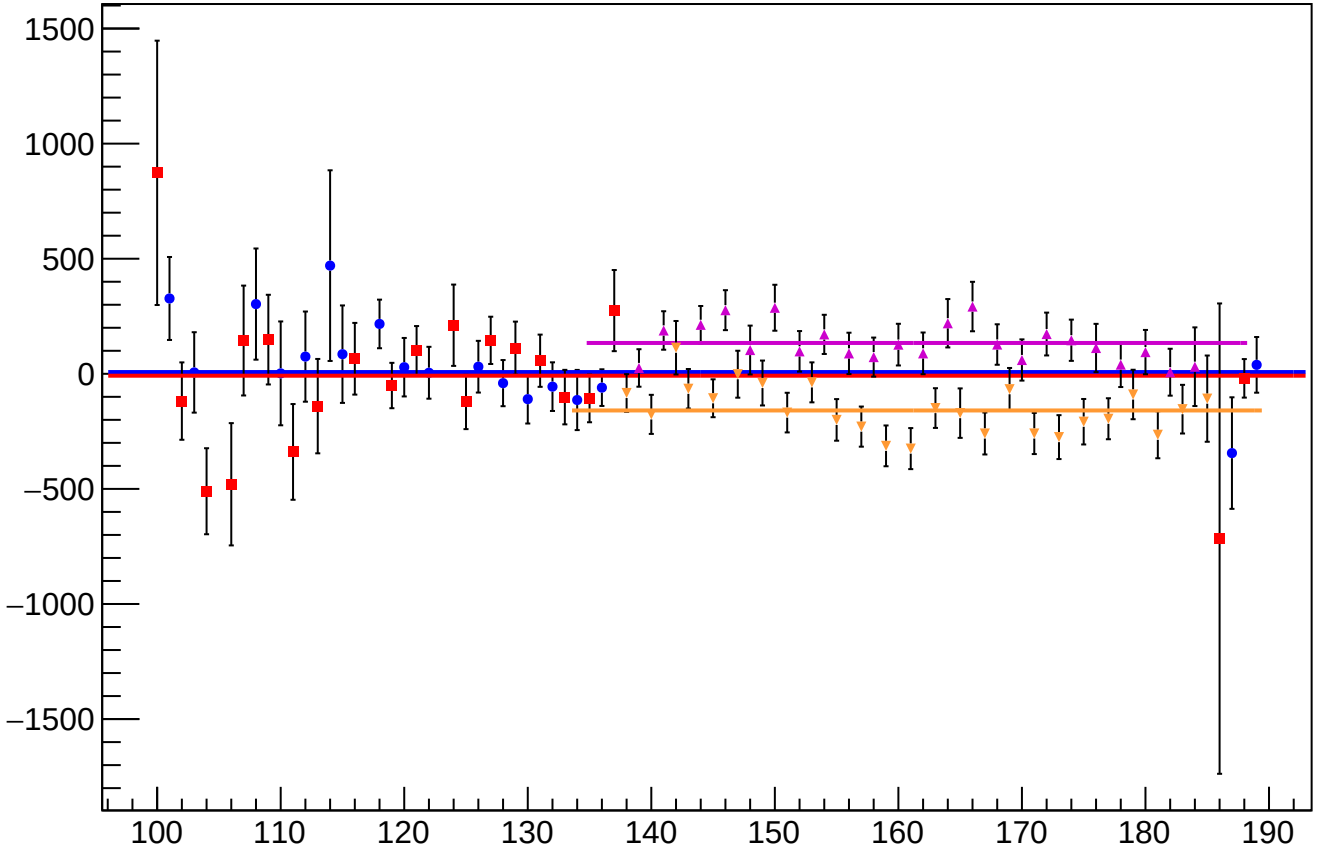
Left In: 339.430+/-0.057 χ^2/NDF:846706.0/22

\+ sign 357.936+/-0.050 χ^2/NDF: 3621415.2/42

All: 359.341+/-0.036 χ^2/NDF: 8433102.2/86

\- sign 360.812+/-0.051 χ^2/NDF: 4810087.6/43

eigen_dit_asym_sam1_mean vs Slug



Right In: 7.629+/-30.948 χ^2/NDF: 15.7/17

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: -8.248+/-30.238 χ^2/NDF: 29.3/20

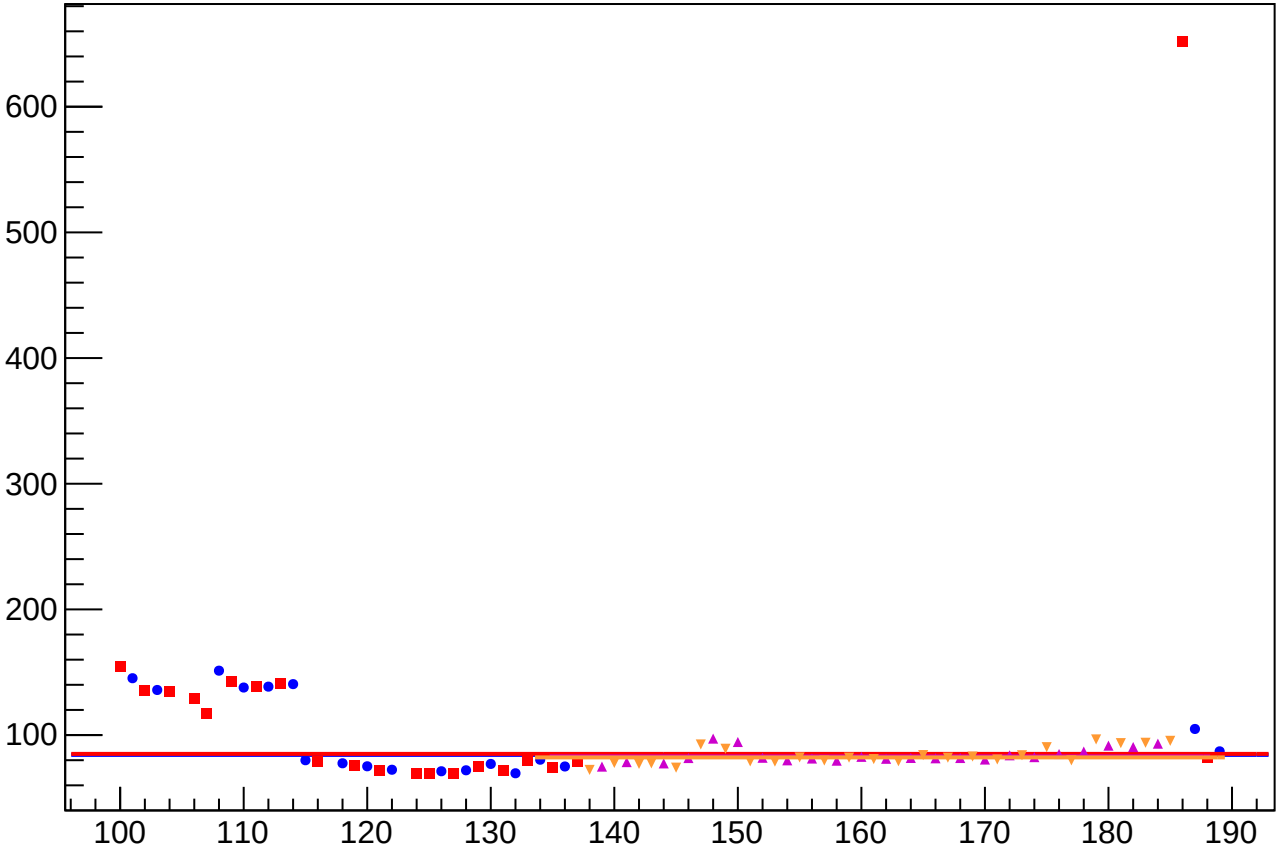
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -114.426+/-16.036 χ^2/NDF: 65.1/42

All: -13.033+/-11.450 χ^2/NDF: 208.1/86

- sign 92.405+/-16.353 χ^2/NDF: 61.4/43

eigen_dit_asym_sam1_rms vs Slug



Right In: 84.225+/-0.022 χ^2/NDF: 1051013.8/17

Left Out: 82.247+/-0.013 χ^2/NDF:216548.5/24

Right Out: 85.024+/-0.021 χ^2/NDF: 1739945.0/20

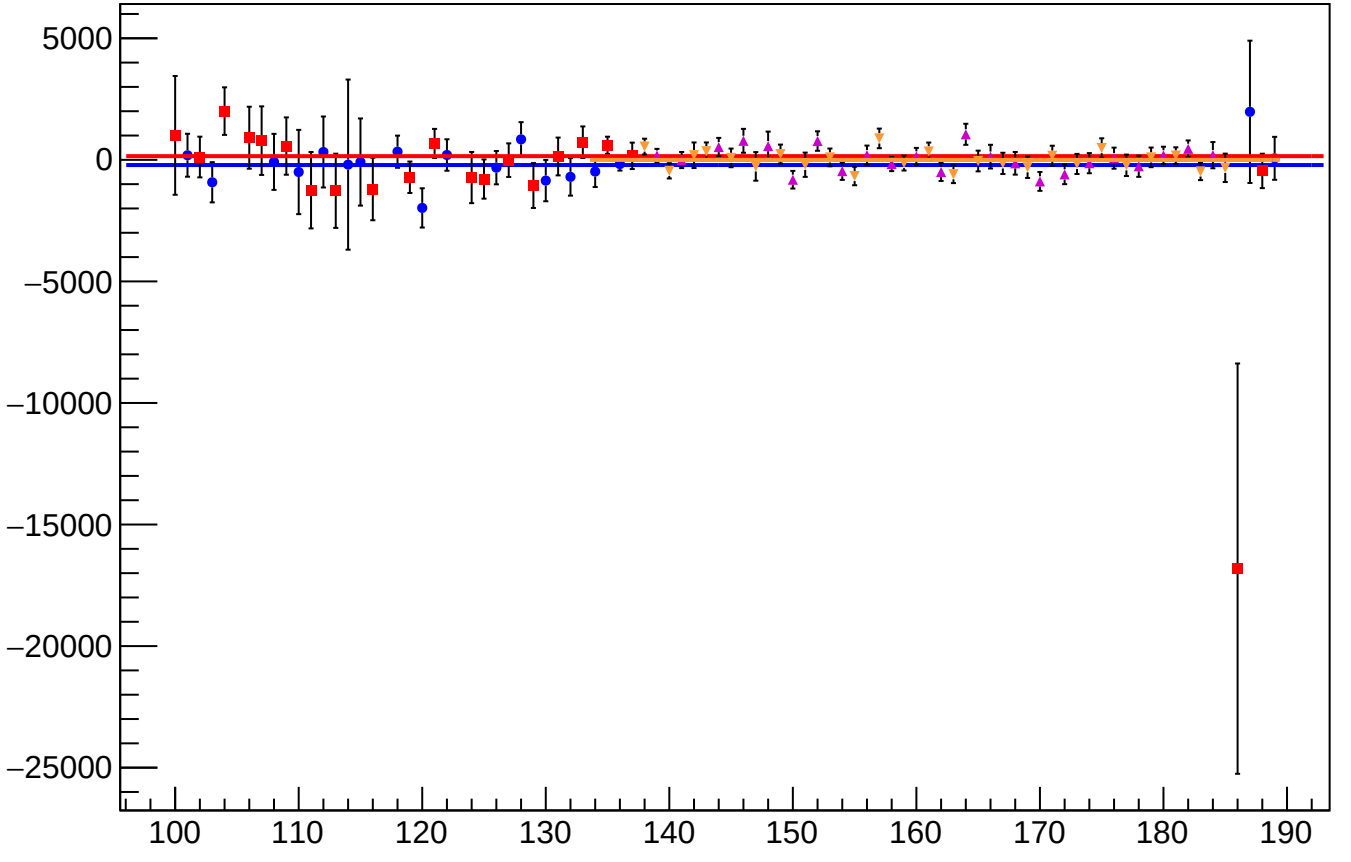
Left In: 82.993+/-0.014 χ^2/NDF:145607.1/22

+ sign 82.778+/-0.011 χ^2/NDF: 1273540.1/42

All: 83.175+/-0.008 χ^2/NDF: 3167966.4/86

- sign 83.587+/-0.012 χ^2/NDF: 1891933.7/43

asym_sam1_eigen_dit_correction_mean vs Slug



Right In: -213.751+/-166.790 χ^2/NDF: 11.1/17

Left Out: -3.094+/-78.582 χ^2/NDF:23.5/24

Right Out: 152.151+/-170.839 χ^2/NDF: 20.7/20

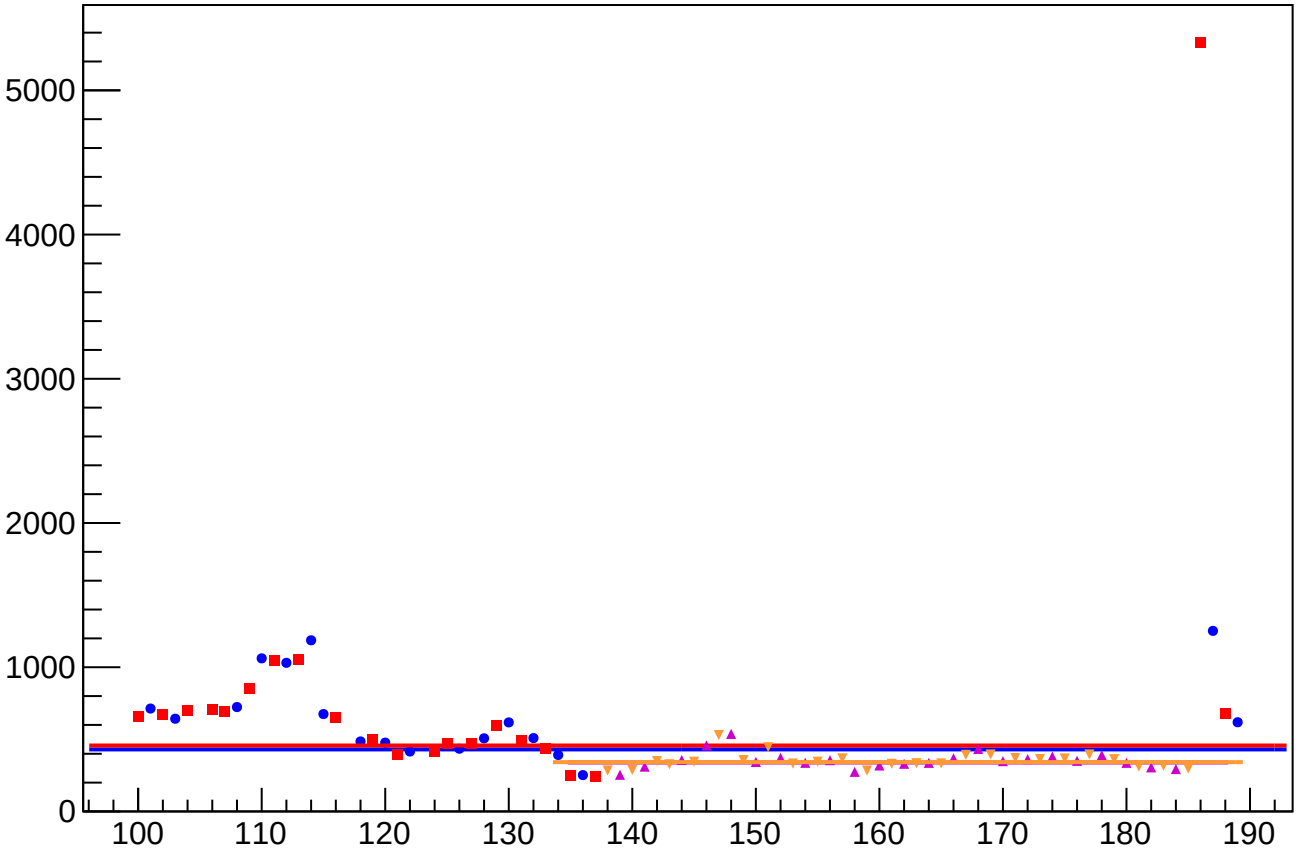
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

+ sign -41.360+/-71.087 χ^2/NDF: 35.9/42

All: -1.077+/-50.845 χ^2/NDF: 92.7/86

- sign 41.117+/-72.754 χ^2/NDF: 56.2/43

asym_sam1_eigen_dit_correction_rms vs Slug



Right In: 430.097+/-0.118 χ^2/NDF: 2510009.5/17

Left Out: 341.918+/-0.056 χ^2/NDF:653932.3/24

Right Out: 457.332+/-0.121 χ^2/NDF: 3183556.5/20

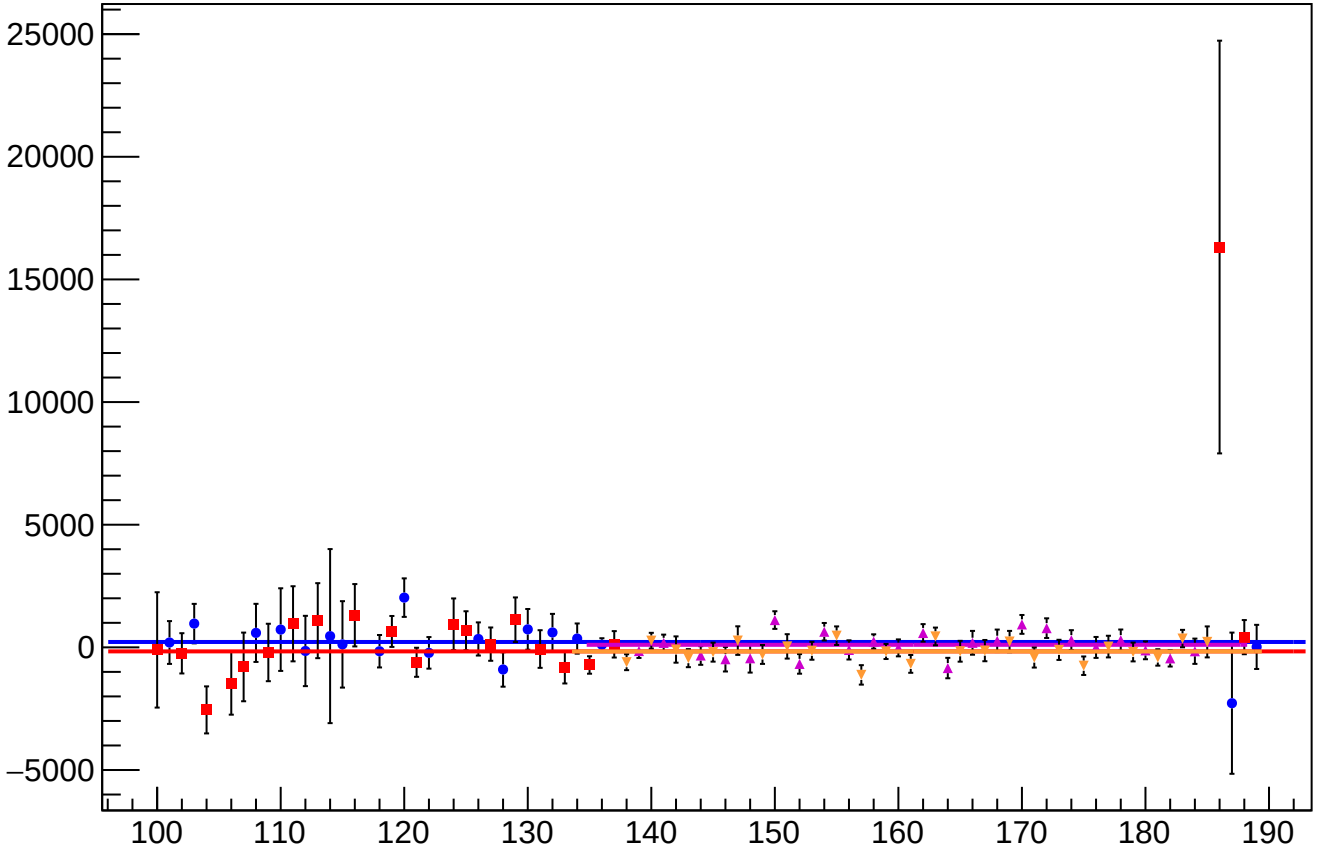
Left In: 339.430+/-0.057 χ^2/NDF:846709.1/22

+ sign 357.936+/-0.050 χ^2/NDF: 3621416.8/42

All: 359.341+/-0.036 χ^2/NDF: 8433105.7/86

- sign 360.812+/-0.051 χ^2/NDF: 4810089.6/43

asym_sam1_mean vs Slug



Right In: 219.505+/-165.063 χ^2/NDF: 11.5/17

Left Out: -167.380+/-78.179 χ^2/NDF:25.6/24

Right Out: -164.252+/-169.427 χ^2/NDF: 25.0/20

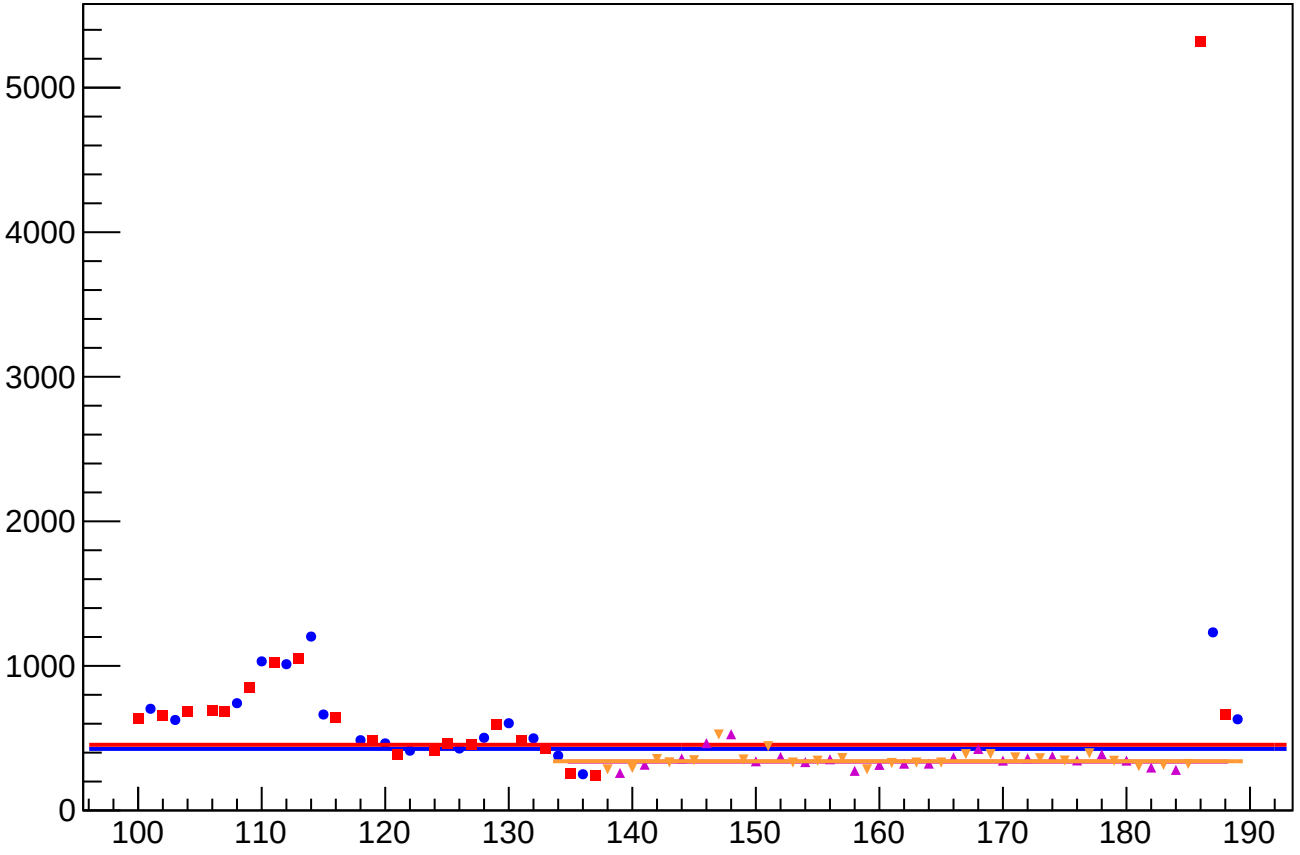
Left In: 104.016+/-79.995 χ^2/NDF:37.5/22

+ sign -96.493+/-70.655 χ^2/NDF: 41.6/42

All: -22.474+/-50.545 χ^2/NDF: 108.3/86

- sign 55.113+/-72.338 χ^2/NDF: 64.5/43

asym_sam1_rms vs Slug



Right In: 425.751+/-0.117 χ^2/NDF: 2491436.4/17

Left Out: 340.391+/-0.055 χ^2/NDF:604155.3/24

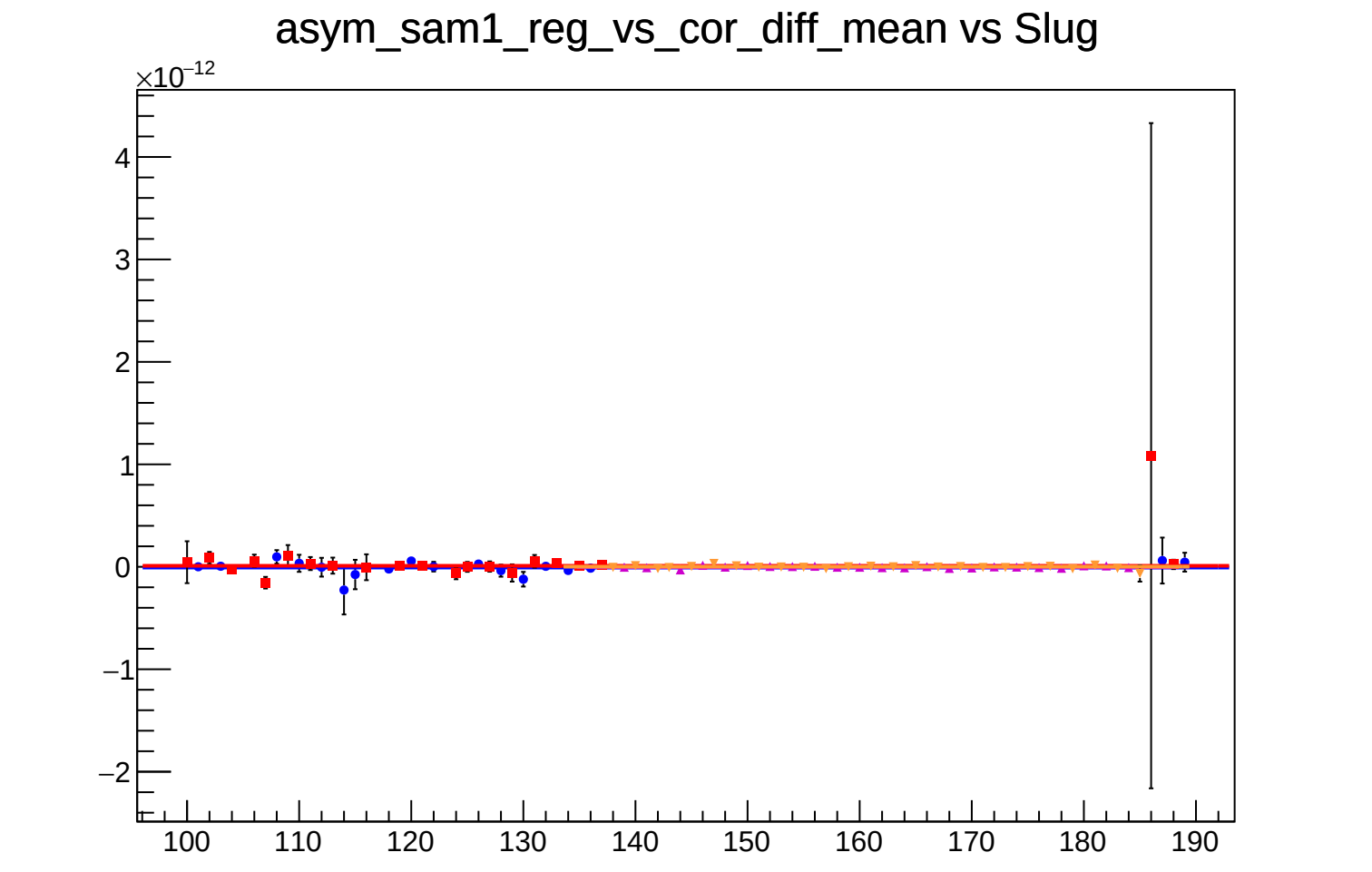
Right Out: 454.237+/-0.120 χ^2/NDF: 3104900.0/20

Left In: 337.759+/-0.057 χ^2/NDF:820674.4/22

+ sign 356.031+/-0.050 χ^2/NDF: 3532444.9/42

All: 357.477+/-0.036 χ^2/NDF: 8232693.0/86

- sign 358.992+/-0.051 χ^2/NDF: 4698533.7/43



Right In: -0.000+/-0.000 χ^2/NDF: 15.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:16.2/24

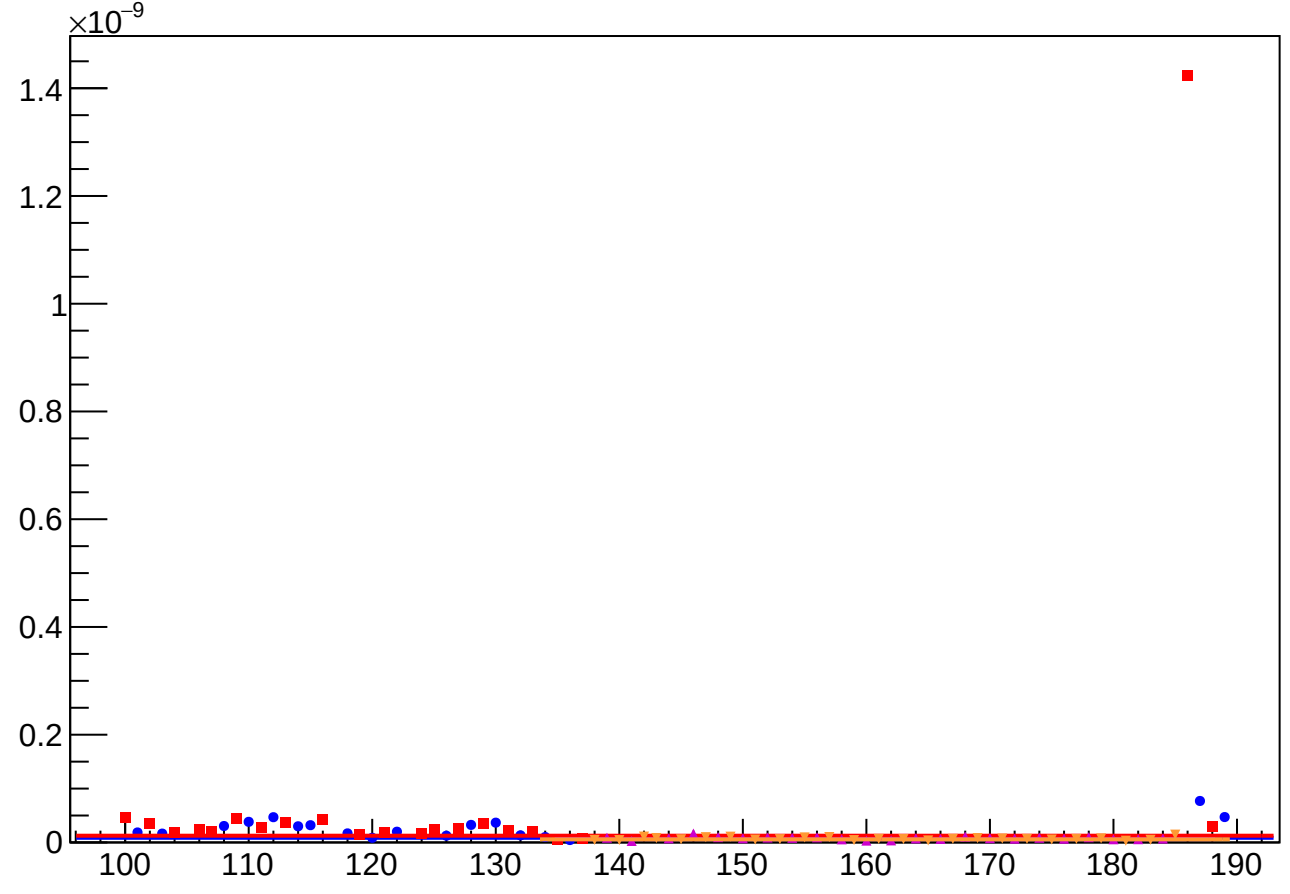
Right Out: 0.000+/-0.000 χ^2/NDF: 16.5/20

Left In: -0.000+/-0.000 χ^2/NDF:11.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 33.1/42

All: -0.000+/-0.000 χ^2/NDF: 64.7/86

- sign -0.000+/-0.000 χ^2/NDF: 31.0/43



Right In: 0.000+/-0.000 χ^2/NDF: 3293489.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:1155947.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3425042.7/20

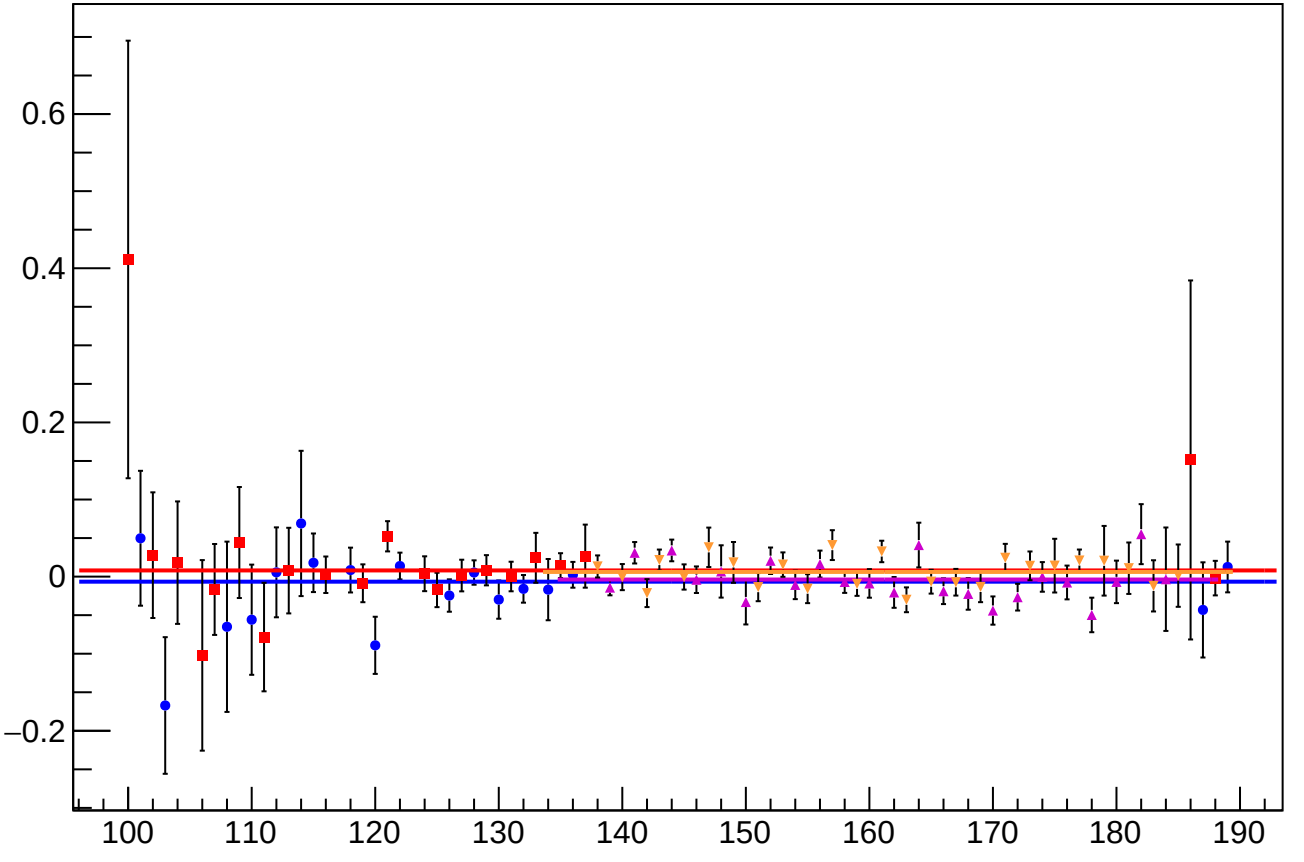
Left In: 0.000+/-0.000 χ^2/NDF:1970663.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 4829258.5/42

All: 0.000+/-0.000 χ^2/NDF: 11412912.6/86

- sign 0.000+/-0.000 χ^2/NDF: 6502166.9/43

asym_sam1_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 15.6/17

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.008+/-0.006 χ^2/NDF: 13.2/20

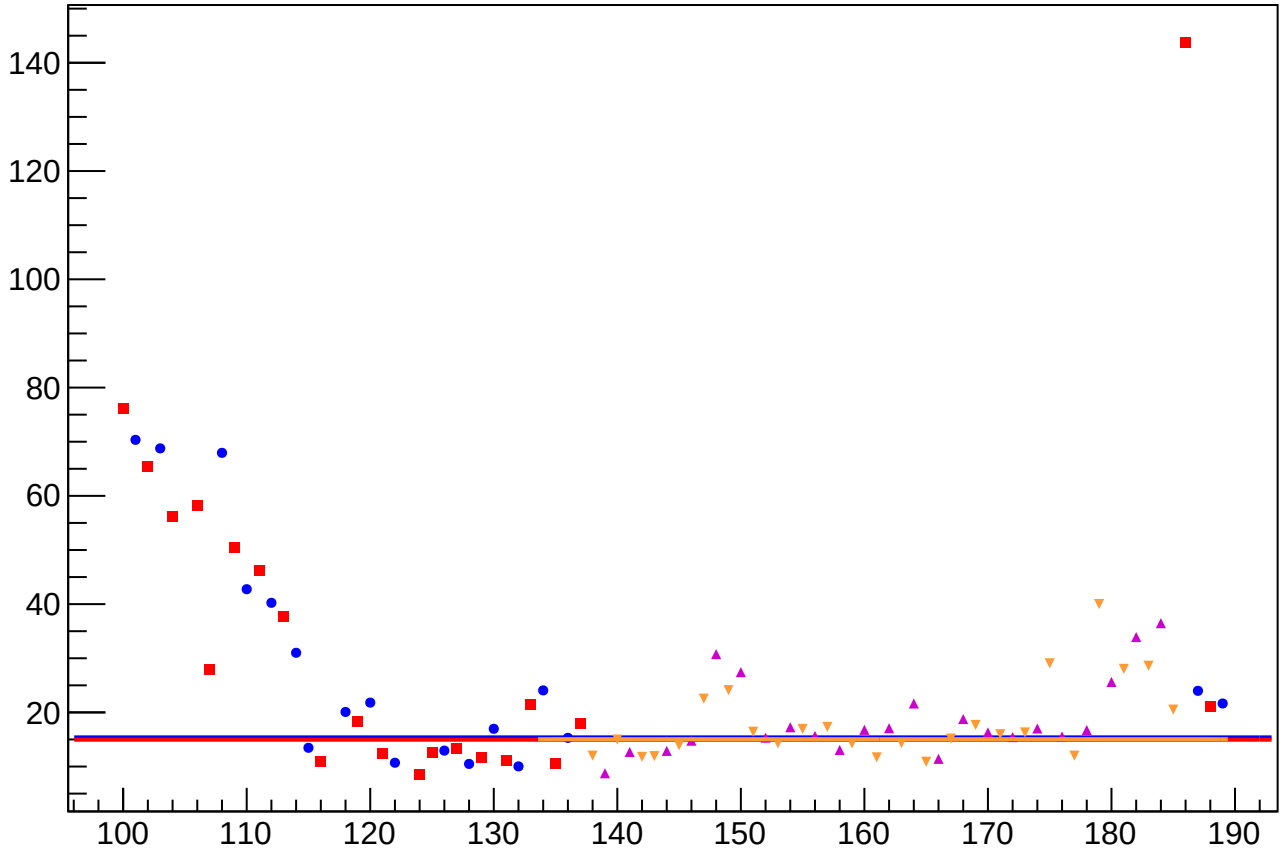
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.003+/-0.003 χ^2/NDF: 45.1/42

All: 0.001+/-0.002 χ^2/NDF: 98.7/86

- sign -0.000+/-0.003 χ^2/NDF: 53.0/43

asym_sam1_dit_vs_cor_diff_rms vs Slug



Right In: 15.390+/-0.005 χ^2/NDF: 3555127.4/17

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 14.951+/-0.004 χ^2/NDF: 4412927.8/20

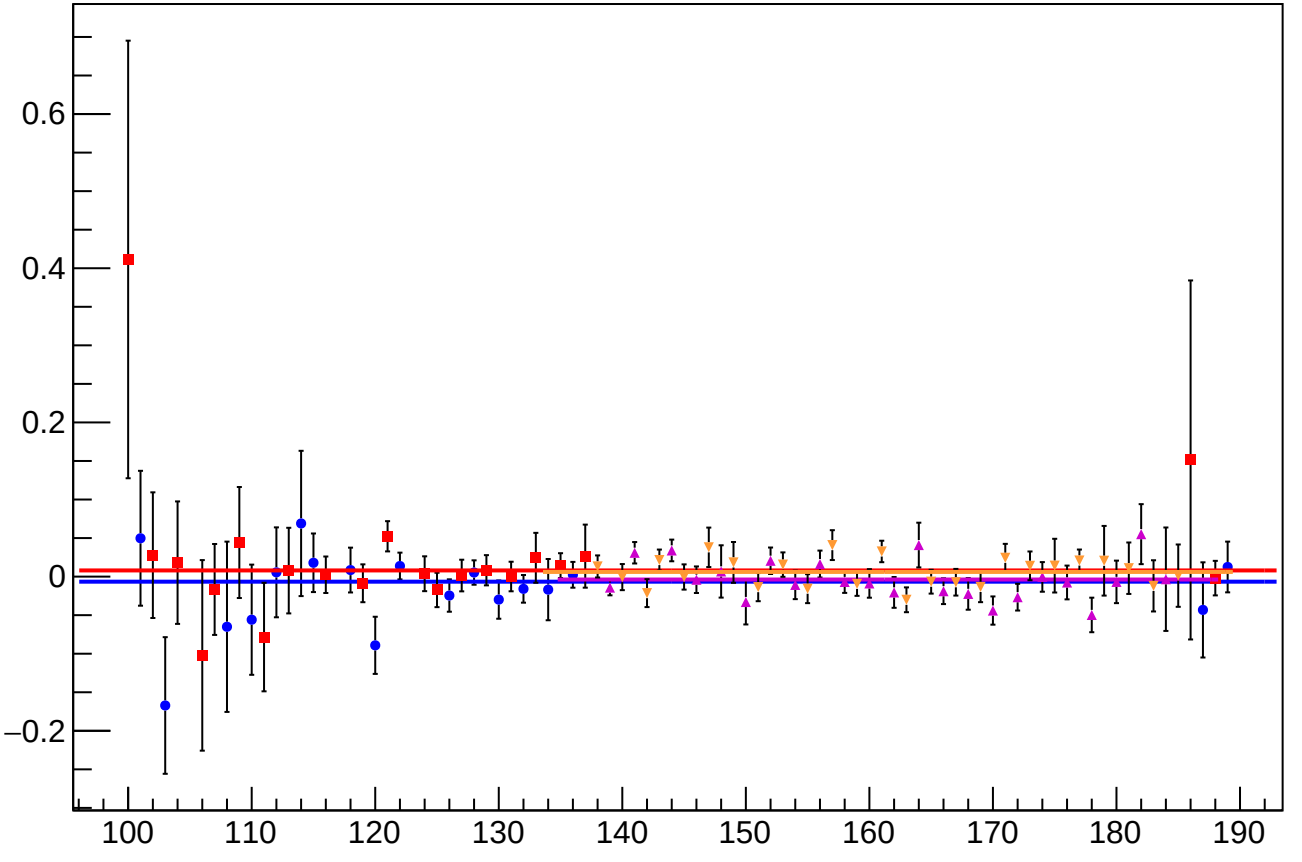
Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

+ sign 15.129+/-0.002 χ^2/NDF: 6317368.2/42

All: 15.082+/-0.002 χ^2/NDF: 13798251.8/86

- sign 15.035+/-0.002 χ^2/NDF: 7480041.2/43

asym_sam1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 15.6/17

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.008+/-0.006 χ^2/NDF: 13.2/20

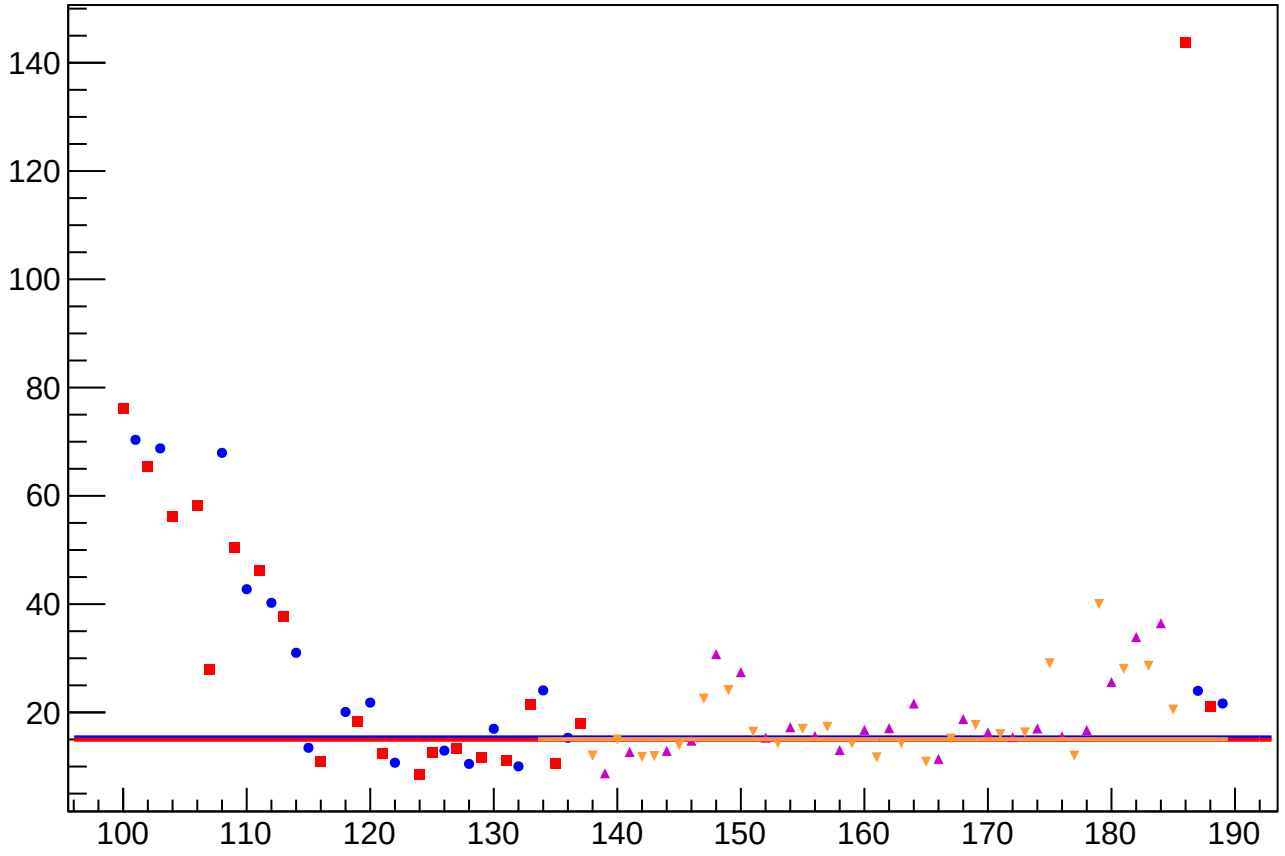
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.003+/-0.003 χ^2/NDF: 45.1/42

All: 0.001+/-0.002 χ^2/NDF: 98.7/86

- sign -0.000+/-0.003 χ^2/NDF: 53.0/43

asym_sam1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.390+/-0.005 χ^2/NDF: 3555127.4/17

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 14.951+/-0.004 χ^2/NDF: 4412927.8/20

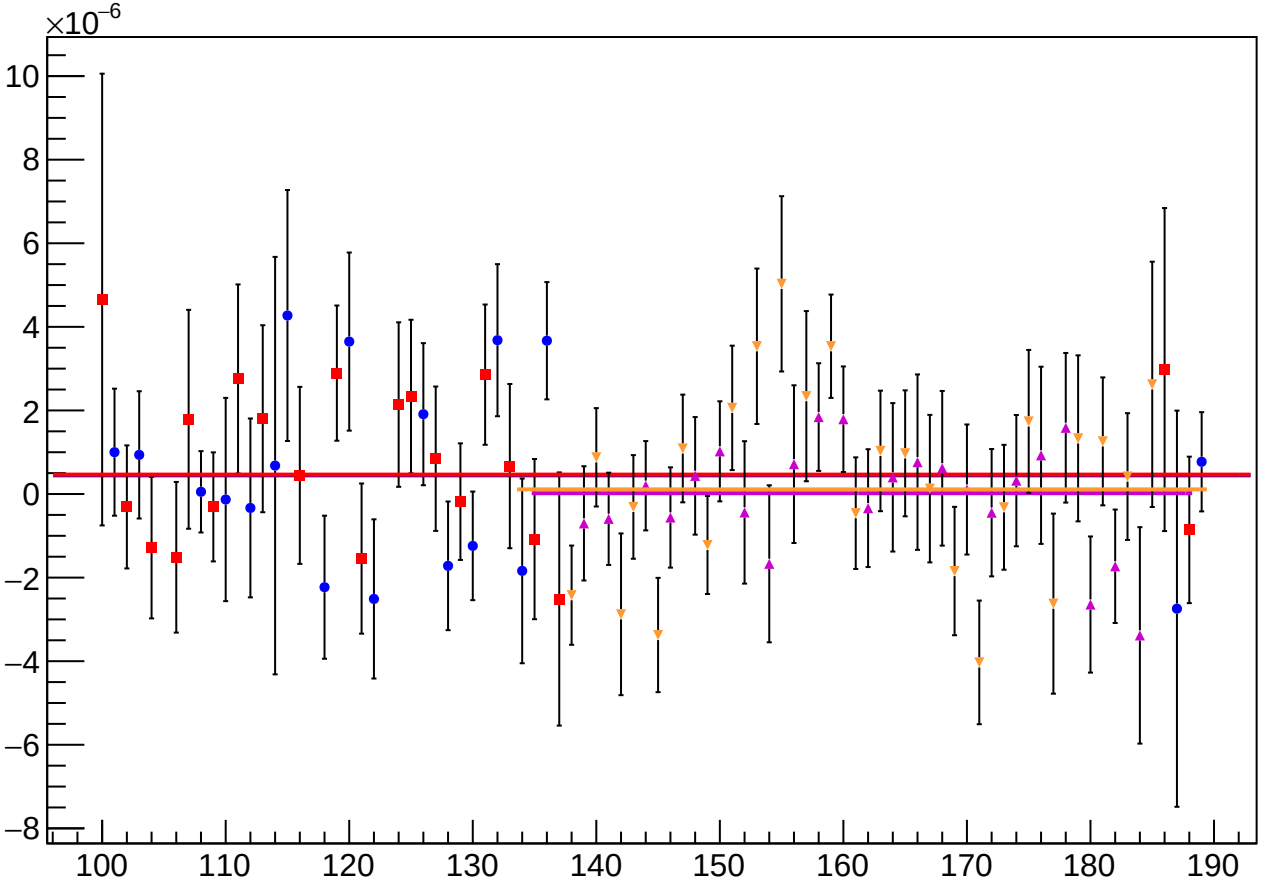
Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

\+ sign 15.129+/-0.002 χ^2/NDF: 6317368.2/42

All: 15.082+/-0.002 χ^2/NDF: 13798251.8/86

\- sign 15.035+/-0.002 χ^2/NDF: 7480041.2/43

asym_sam1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:50.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/20

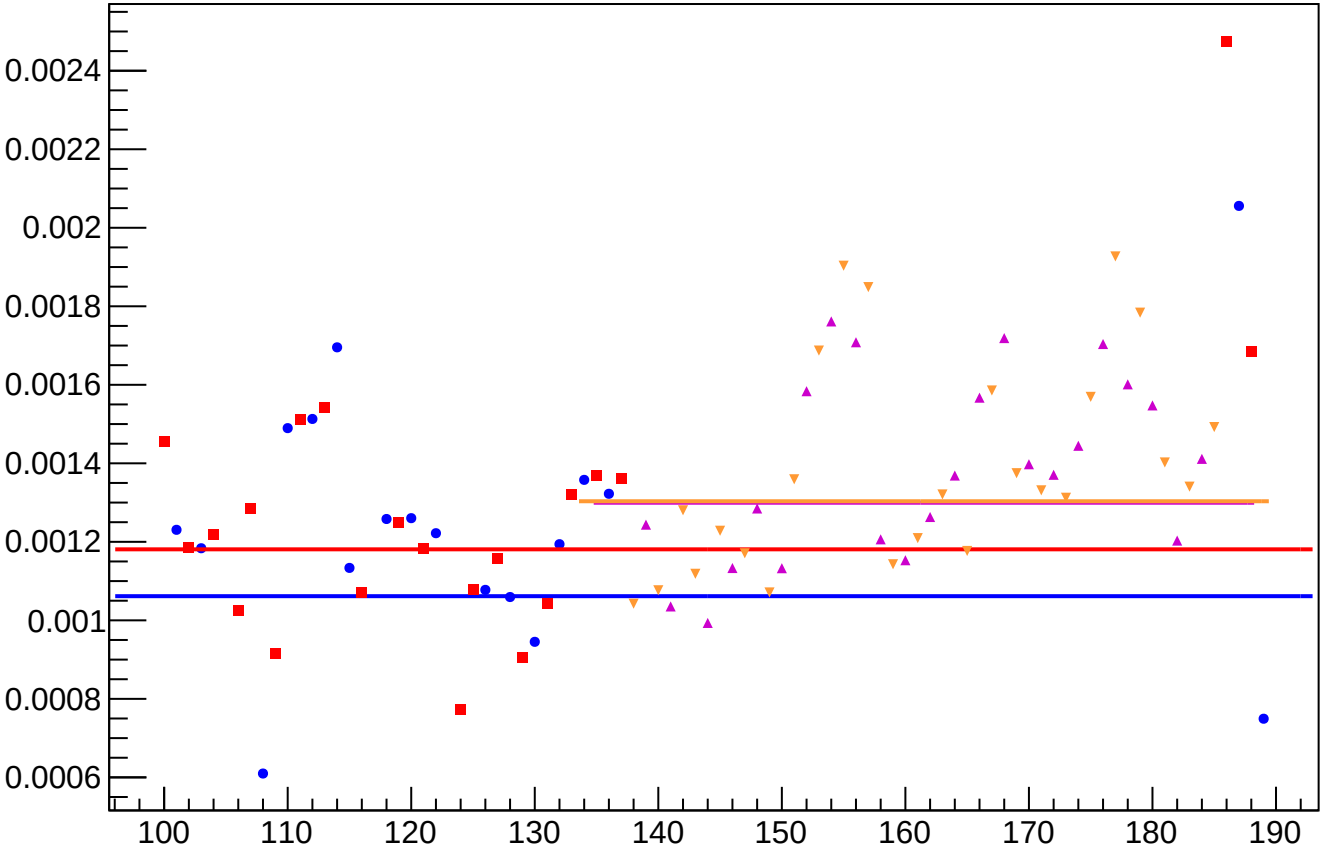
Left In: 0.000+/-0.000 χ^2/NDF:14.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 74.2/42

All: 0.000+/-0.000 χ^2/NDF: 104.4/86

- sign 0.000+/-0.000 χ^2/NDF: 30.2/43

asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 1069120.7/17

Left Out: 0.001+/-0.000 χ^2/NDF:1181536.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 818987.3/20

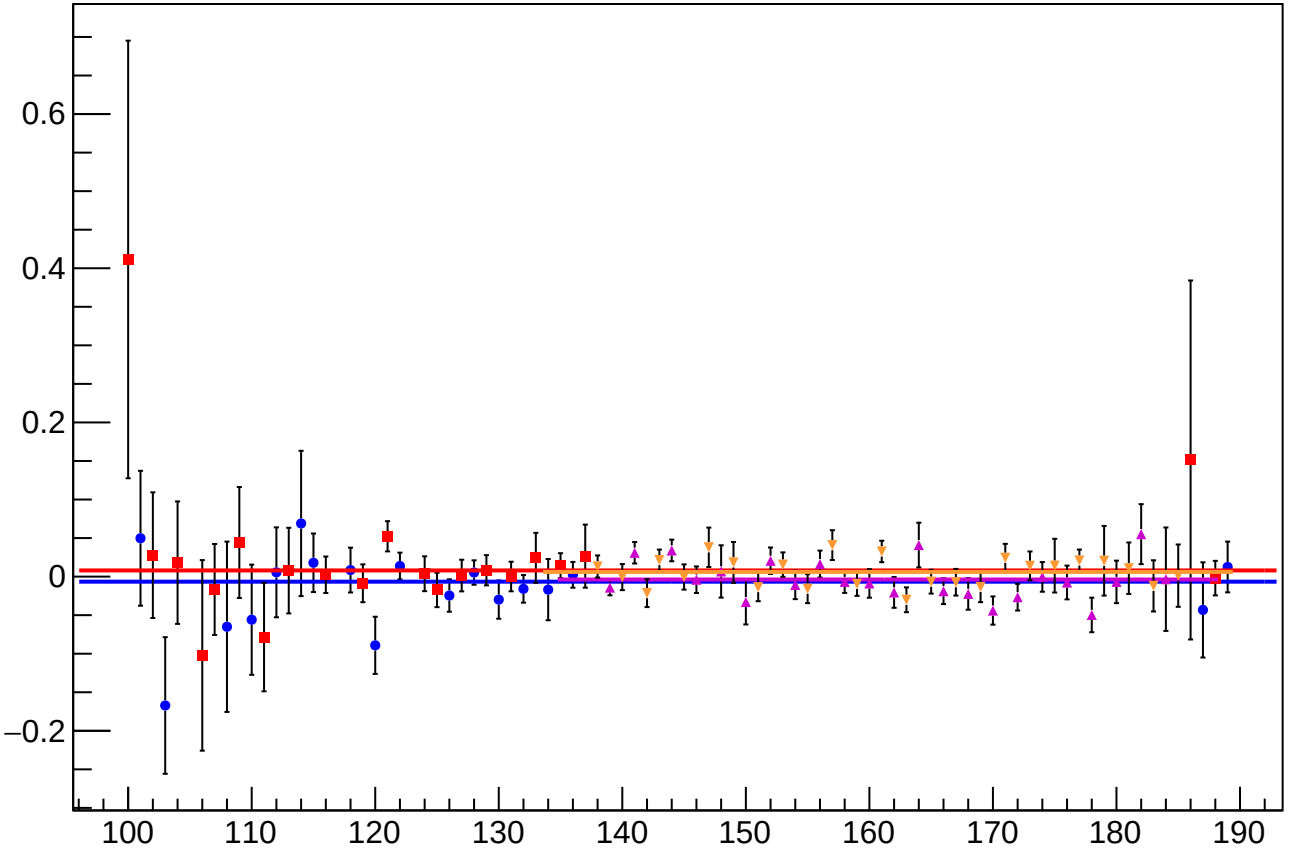
Left In: 0.001+/-0.000 χ^2/NDF:1026052.2/22

+ sign 0.001+/-0.000 χ^2/NDF: 2724859.4/42

All: 0.001+/-0.000 χ^2/NDF: 4707360.6/86

- sign 0.001+/-0.000 χ^2/NDF: 1952358.7/43

asym_sam1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 15.6/17

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.008+/-0.006 χ^2/NDF: 13.2/20

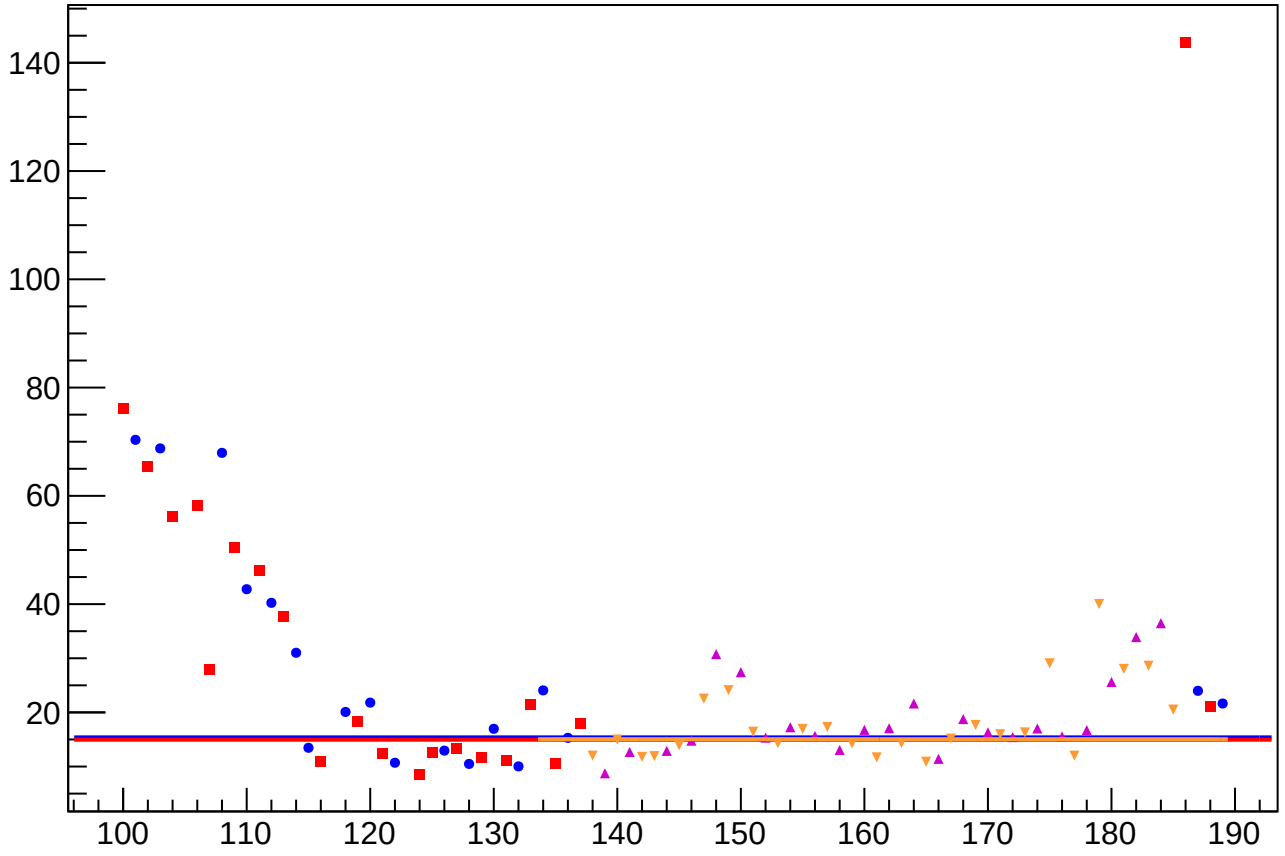
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.003+/-0.003 χ^2/NDF: 45.1/42

All: 0.001+/-0.002 χ^2/NDF: 98.7/86

- sign -0.000+/-0.003 χ^2/NDF: 53.0/43

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 15.389+/-0.005 χ^2/NDF: 3555154.8/17

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

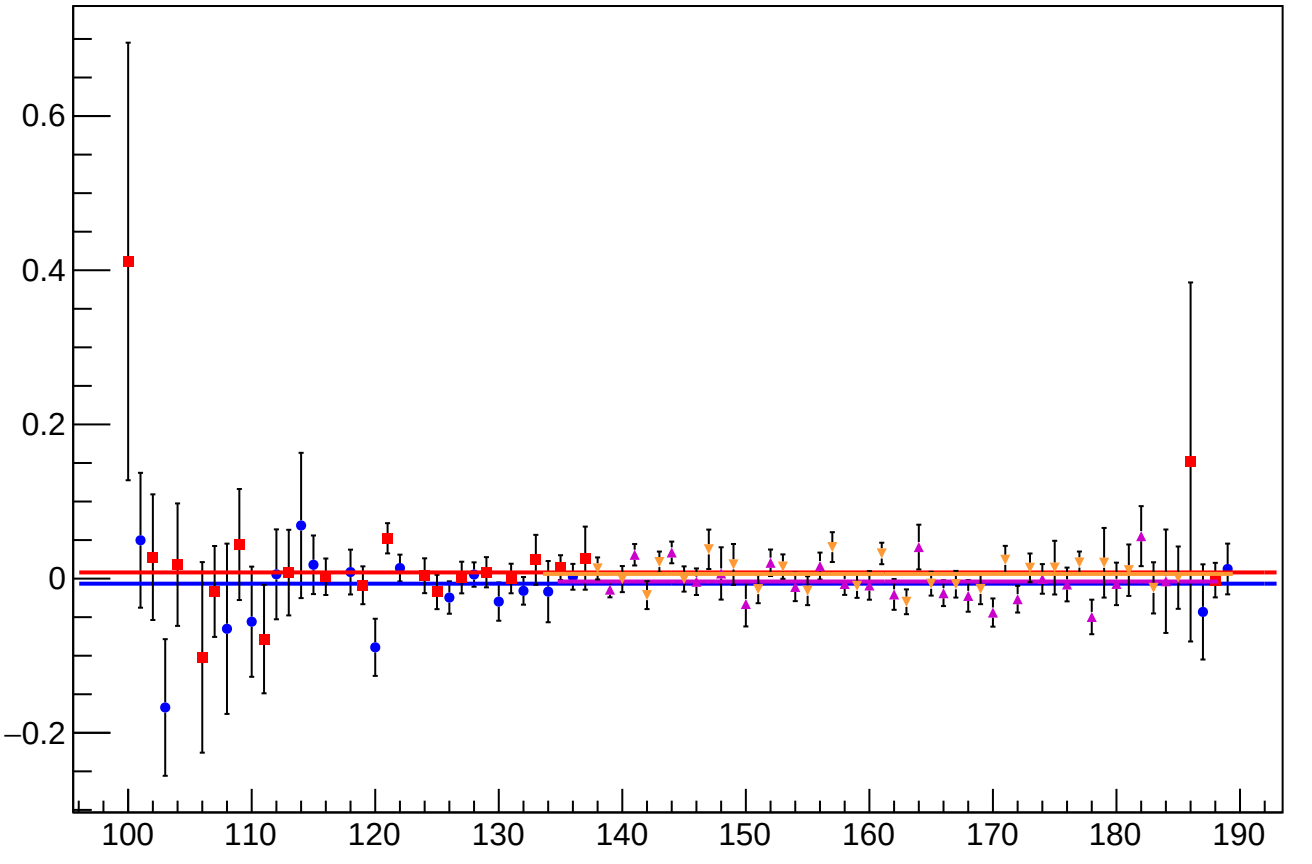
Right Out: 14.950+/-0.004 χ^2/NDF: 4412918.1/20

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

+ sign 15.128+/-0.002 χ^2/NDF: 6317606.7/42

All: 15.082+/-0.002 χ^2/NDF: 13798522.4/86

- sign 15.034+/-0.002 χ^2/NDF: 7480074.8/43



Right In: -0.007+/-0.007 χ^2/NDF: 15.6/17

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

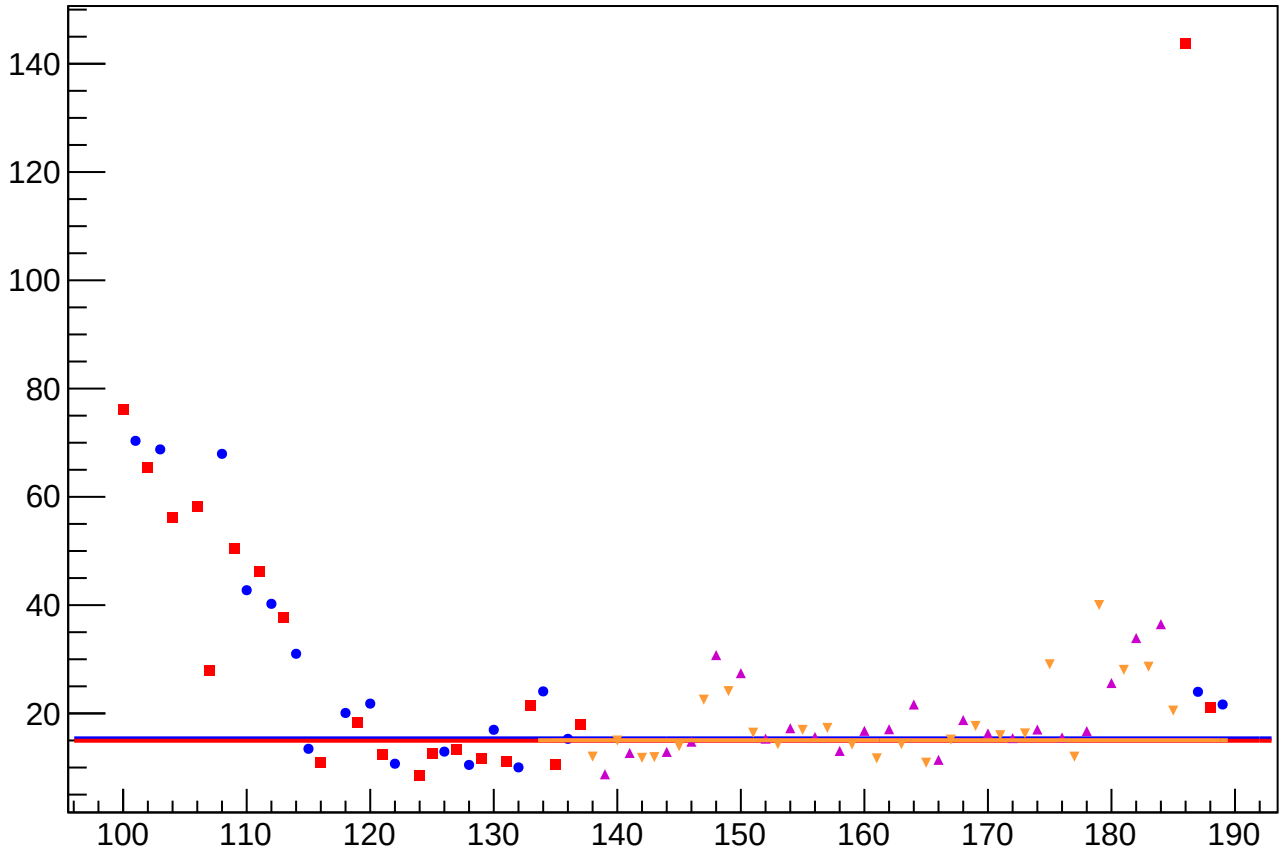
Right Out: 0.008+/-0.006 χ^2/NDF: 13.2/20

Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.003+/-0.003 χ^2/NDF: 45.1/42

All: 0.001+/-0.002 χ^2/NDF: 98.7/86

- sign -0.000+/-0.003 χ^2/NDF: 53.0/43



Right In: 15.389+/-0.005 χ^2/NDF: 3555154.8/17

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

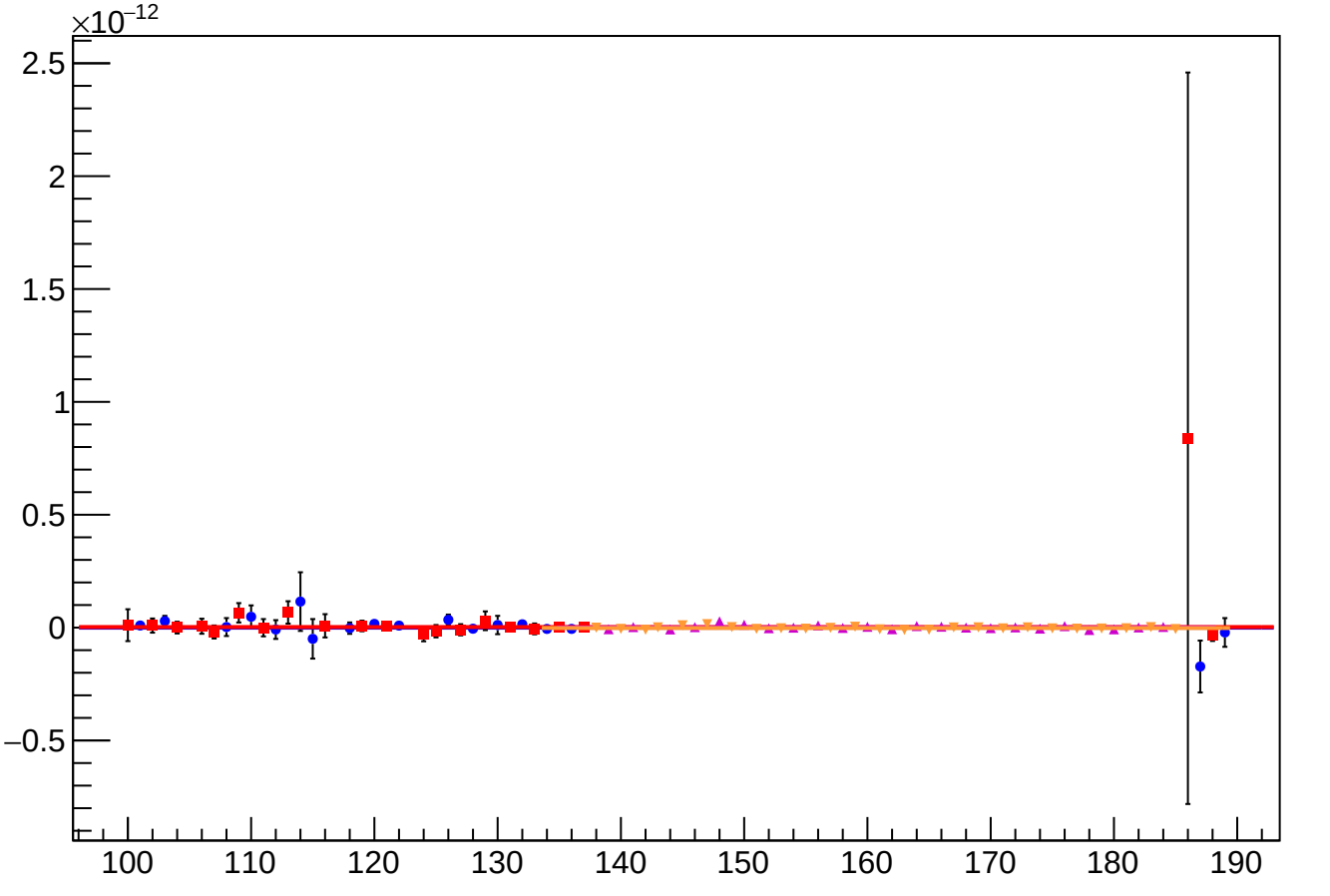
Right Out: 14.950+/-0.004 χ^2/NDF: 4412918.1/20

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

+ sign 15.128+/-0.002 χ^2/NDF: 6317606.7/42

All: 15.082+/-0.002 χ^2/NDF: 13798522.4/86

- sign 15.034+/-0.002 χ^2/NDF: 7480074.8/43



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/17

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9.2/20

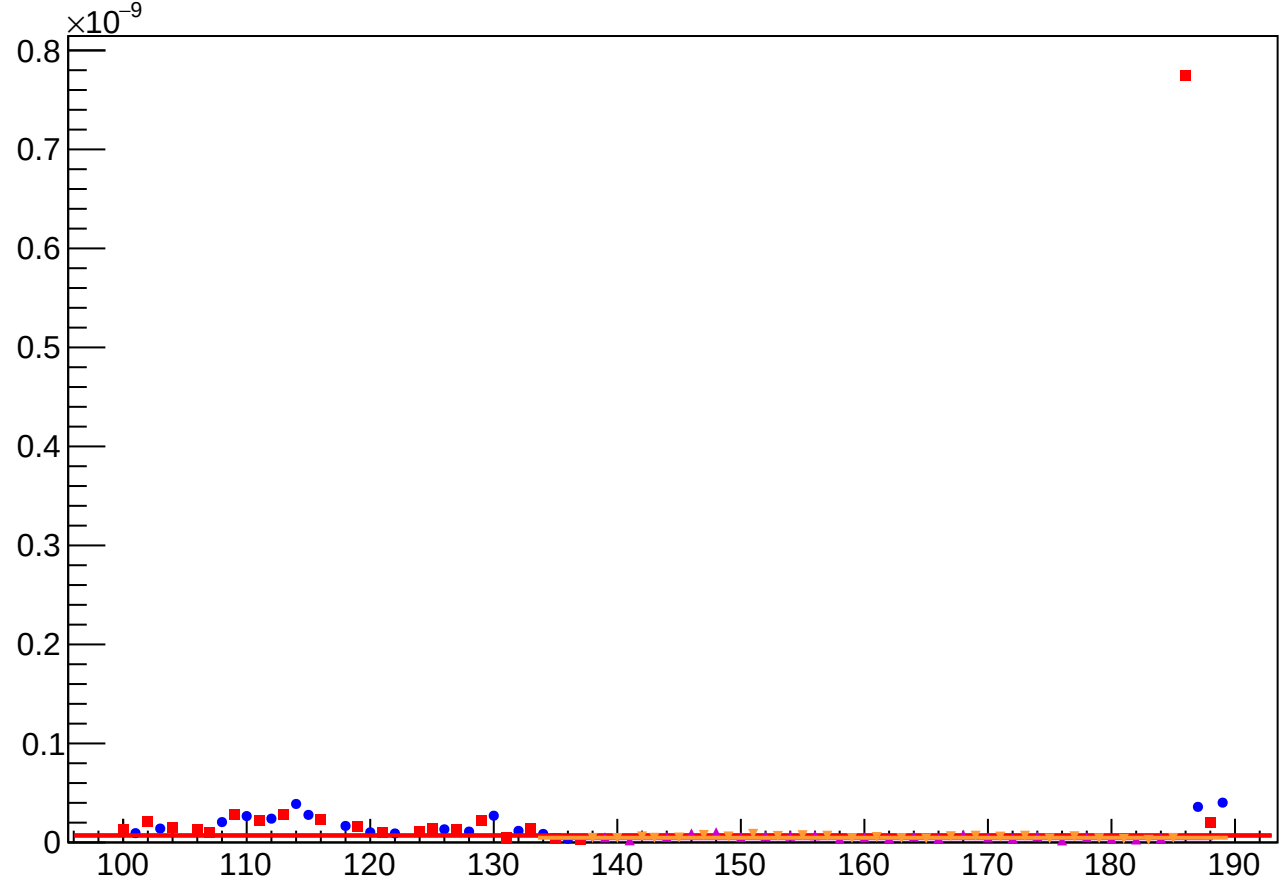
Left In: 0.000+/-0.000 χ^2/NDF:21.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 27.0/42

All: -0.000+/-0.000 χ^2/NDF: 59.7/86

- sign 0.000+/-0.000 χ^2/NDF: 30.8/43

asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4188280.5/17

Left Out: 0.000+/-0.000 χ^2/NDF:2098495.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5205619.1/20

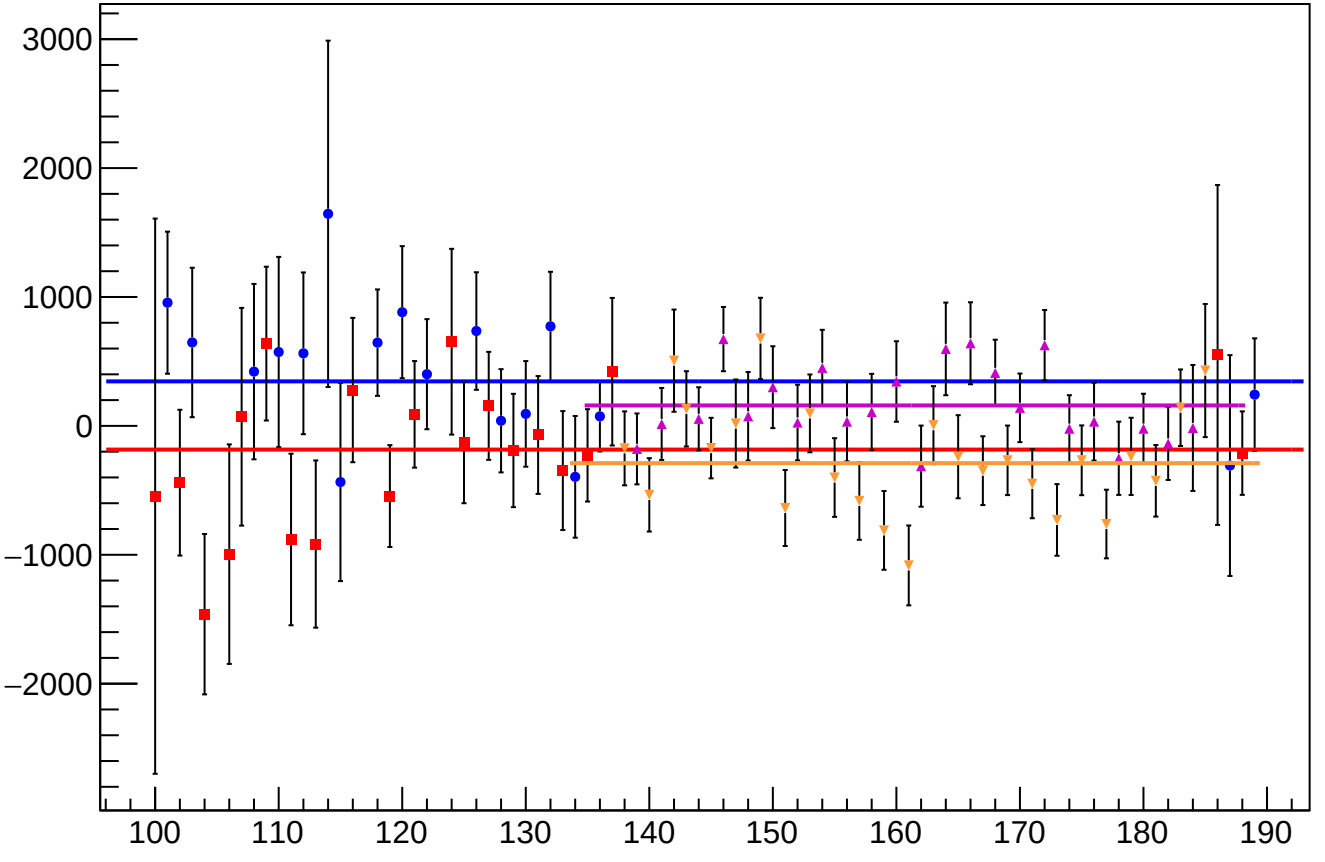
Left In: 0.000+/-0.000 χ^2/NDF:3526134.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6886020.7/42

All: 0.000+/-0.000 χ^2/NDF: 16746992.2/86

- sign 0.000+/-0.000 χ^2/NDF: 9740527.6/43

reg_asym_sam2_mean vs Slug



Right In: 345.338+/-113.688 χ^2/NDF: 12.1/17

Left Out: -288.924+/-59.035 χ^2/NDF:42.4/24

Right Out: -183.815+/-112.269 χ^2/NDF: 15.3/20

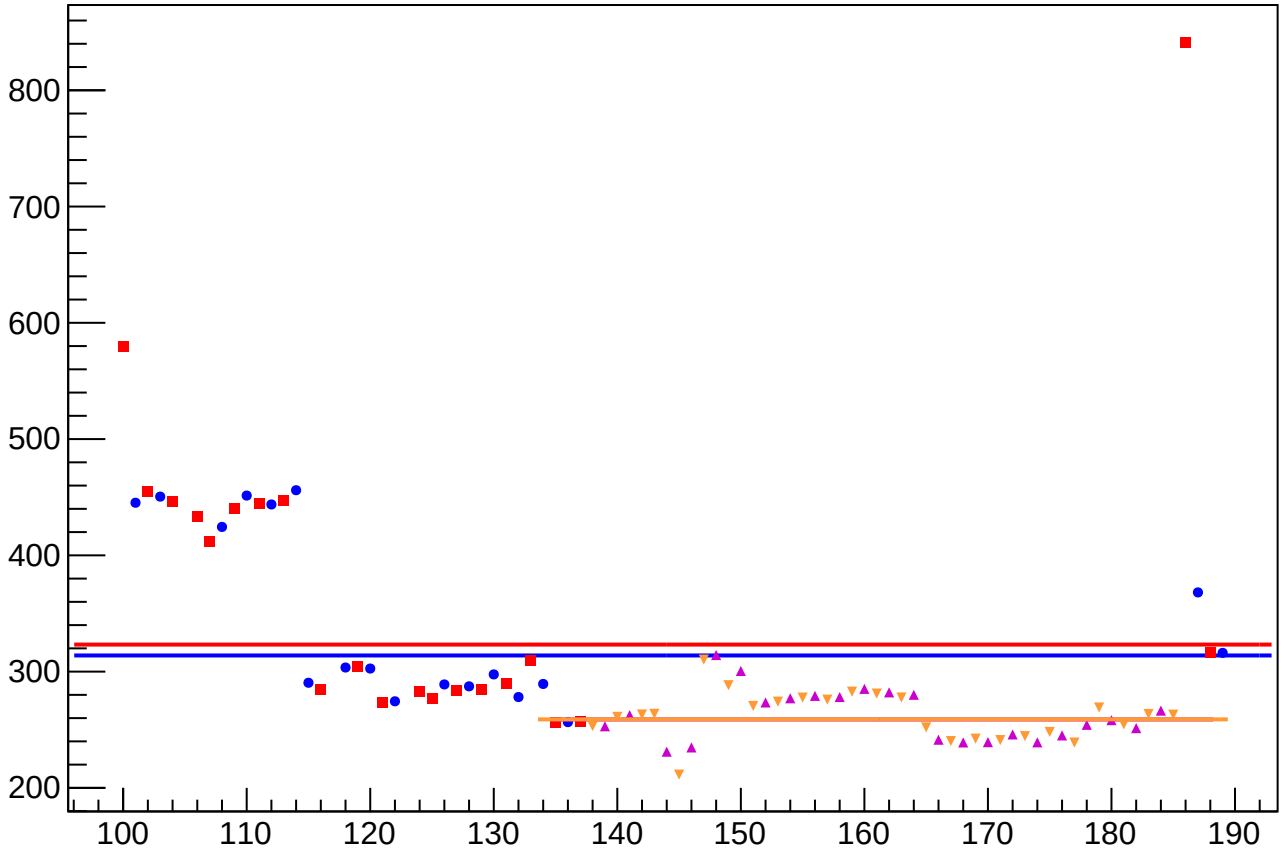
Left In: 158.601+/-60.708 χ^2/NDF:22.5/22

+ sign -154.220+/-52.392 χ^2/NDF: 79.1/42

All: -38.786+/-37.398 χ^2/NDF: 134.0/86

- sign 81.133+/-53.401 χ^2/NDF: 45.1/43

reg_asym_sam2_rms vs Slug



Right In: 313.891+/-0.080 χ^2/NDF: 610482.8/17

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 323.247+/-0.079 χ^2/NDF: 1008560.1/20

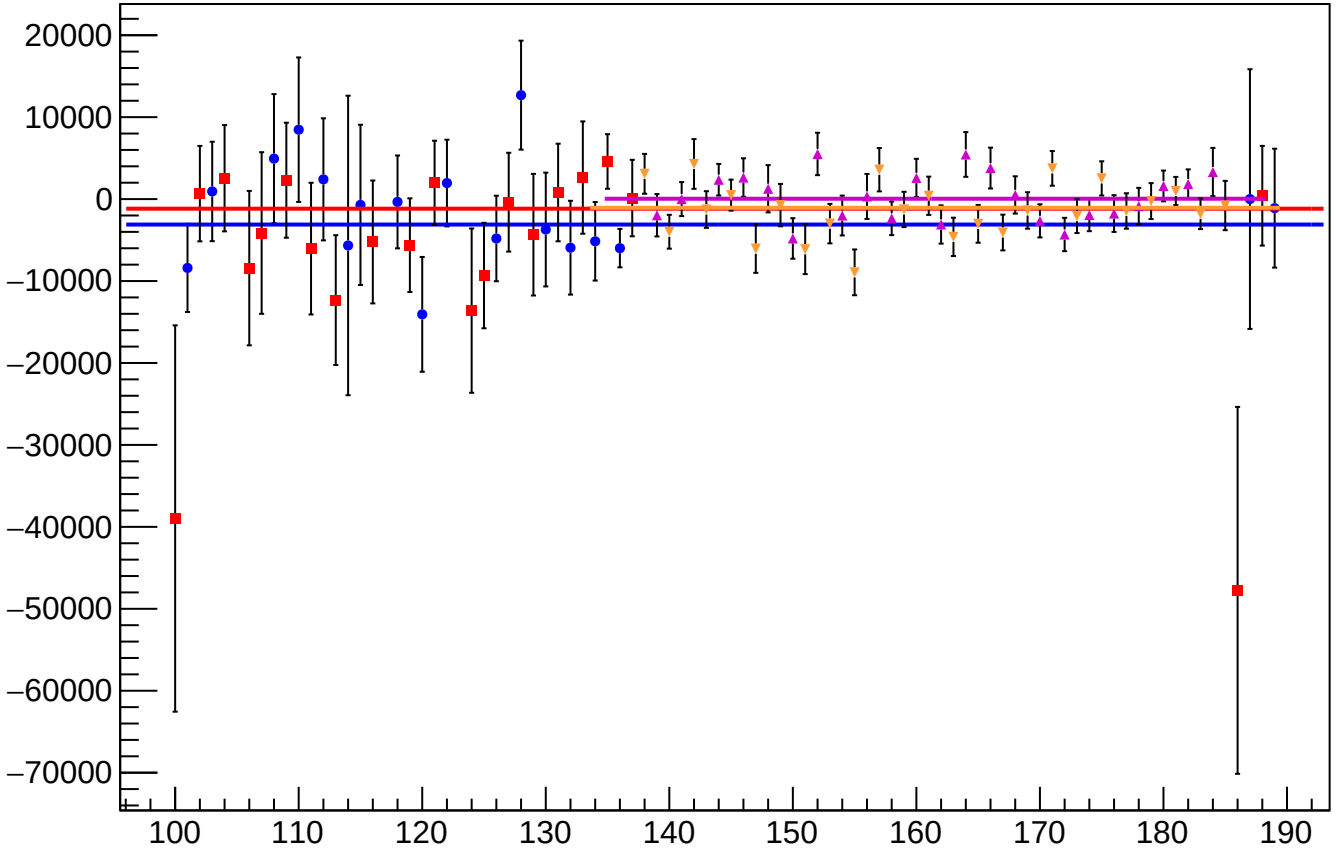
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 270.588+/-0.037 χ^2/NDF: 1227621.6/42

All: 271.974+/-0.026 χ^2/NDF: 2993254.7/86

- sign 273.414+/-0.038 χ^2/NDF: 1762780.1/43

asym_sam2_reg_correction_mean vs Slug



Right In: -3106.392+/-1326.172 χ^2/NDF: 16.2/17

Left Out: -1059.229+/-454.653 χ^2/NDF:41.5/24

Right Out: -1170.501+/-1401.573 χ^2/NDF: 18.8/20

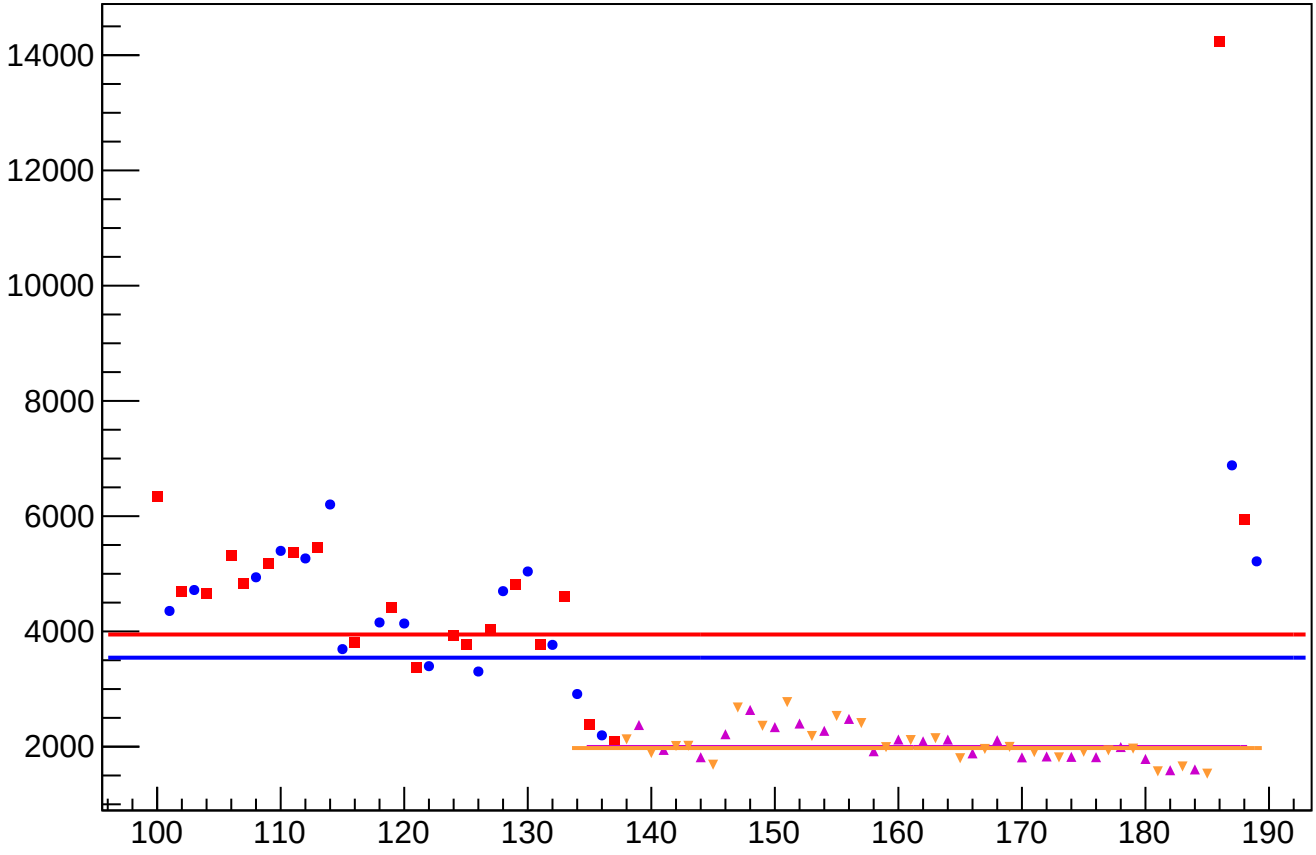
Left In: 44.352+/-470.700 χ^2/NDF:34.2/22

+ sign -1274.533+/-430.080 χ^2/NDF: 59.8/42

All: -698.658+/-309.658 χ^2/NDF: 117.2/86

- sign -78.780+/-446.209 χ^2/NDF: 53.6/43

asym_sam2_reg_correction_rms vs Slug



Right In: 3544.489+/-0.938 χ^2/NDF: 1511883.1/17

Left Out: 1975.967+/-0.321 χ^2/NDF:763327.6/24

Right Out: 3946.715+/-0.991 χ^2/NDF: 1818119.0/20

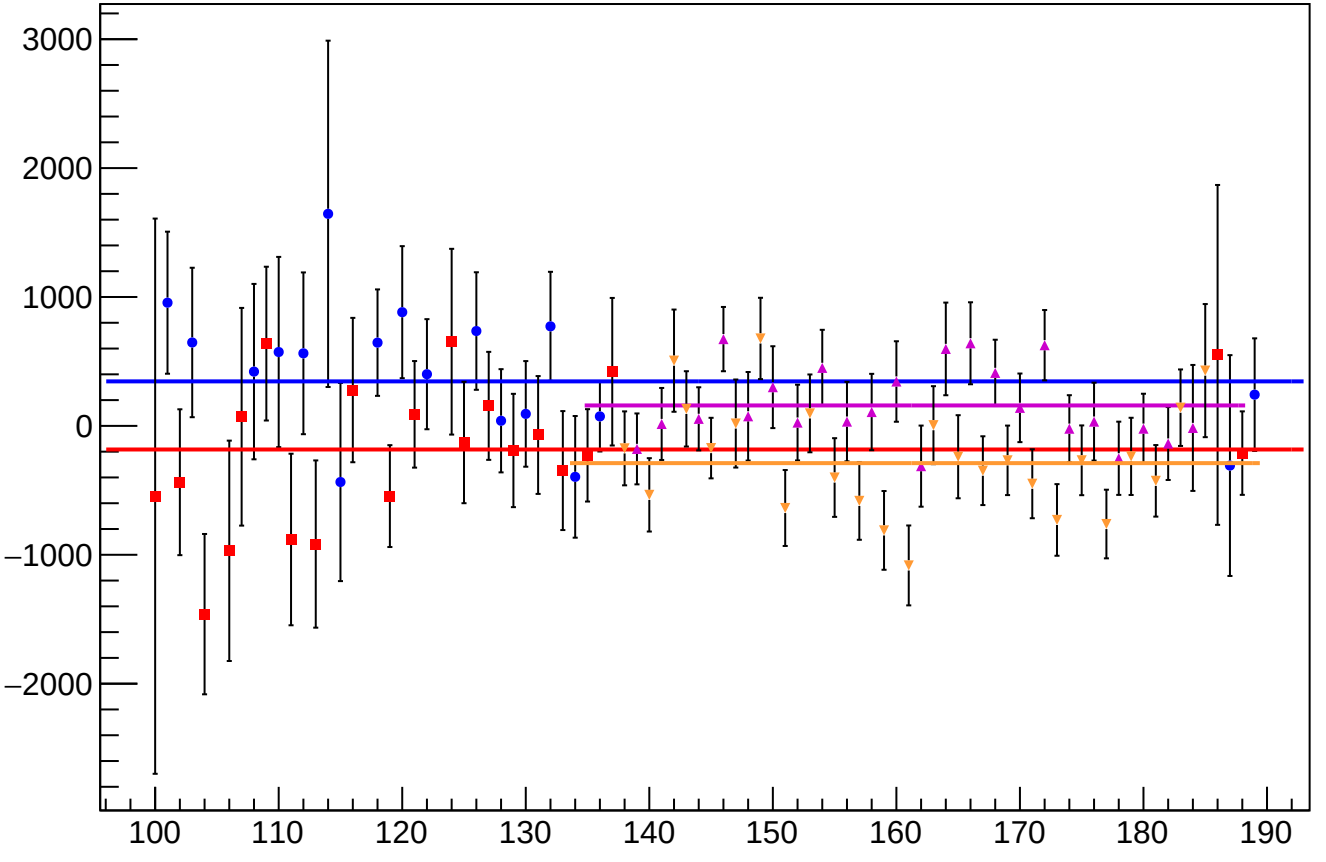
Left In: 1994.760+/-0.333 χ^2/NDF:599994.9/22

+ sign 2140.932+/-0.304 χ^2/NDF: 4778730.9/42

All: 2165.815+/-0.219 χ^2/NDF: 10696738.1/8

- sign 2192.600+/-0.316 χ^2/NDF: 5904105.2/43

cor_asym_sam2_mean vs Slug



Right In: 345.323+/-113.688 χ^2/NDF: 12.1/17

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: -183.103+/-112.279 χ^2/NDF: 15.3/20

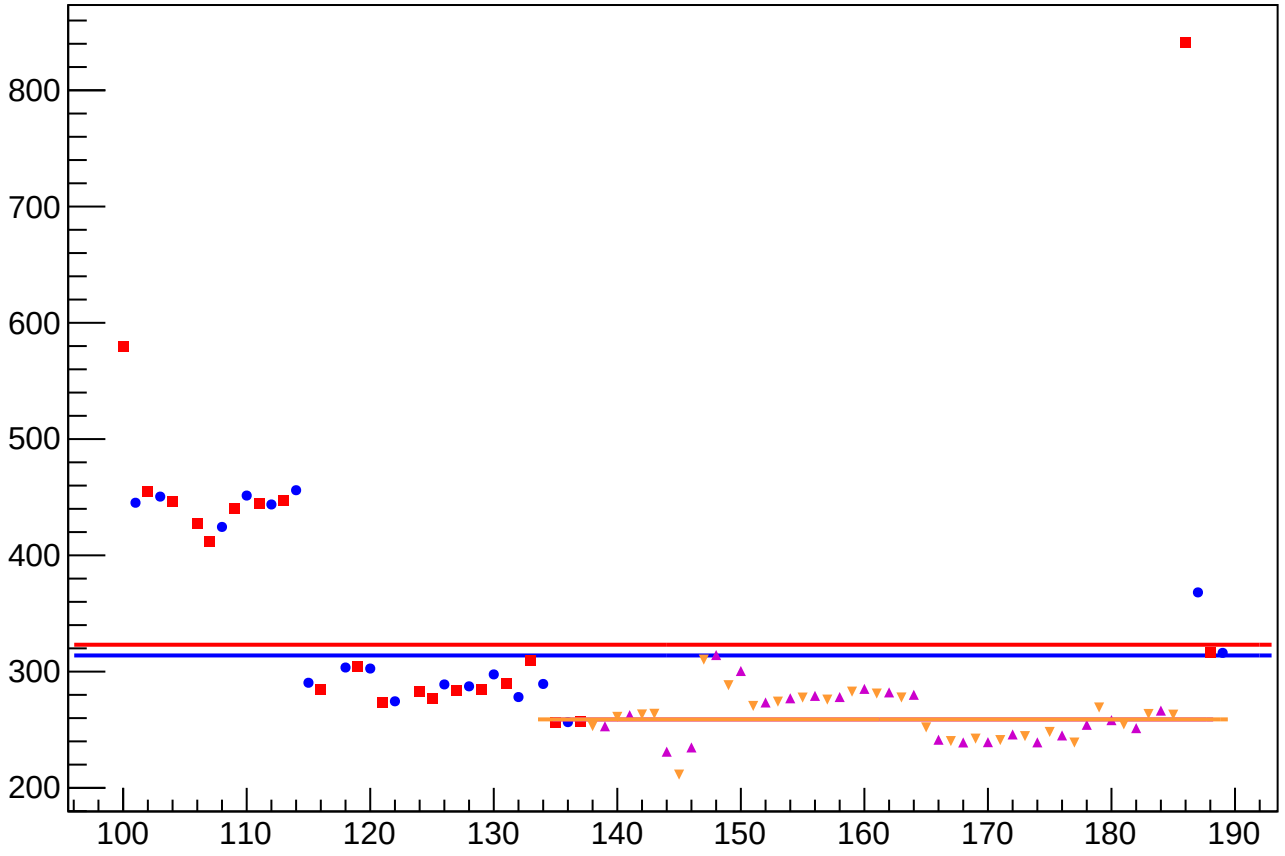
Left In: 158.612+/-60.708 χ^2/NDF:22.5/22

+ sign -154.227+/-52.392 χ^2/NDF: 79.1/42

All: -38.704+/-37.399 χ^2/NDF: 133.9/86

- sign 81.312+/-53.402 χ^2/NDF: 44.9/43

cor_asym_sam2_rms vs Slug



Right In: 313.891+/-0.080 χ^2/NDF: 610484.2/17

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 323.119+/-0.079 χ^2/NDF: 1004536.0/20

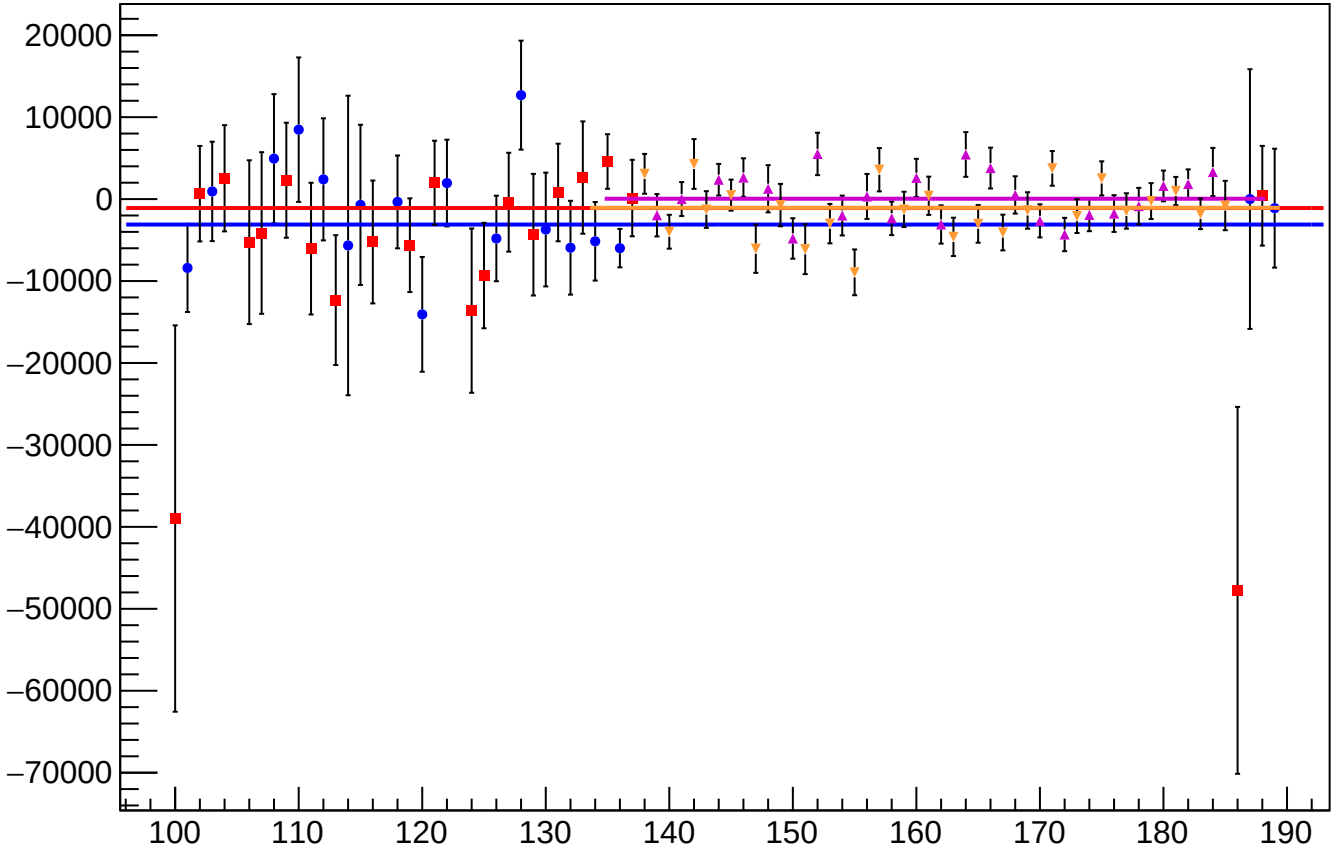
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 270.588+/-0.037 χ^2/NDF: 1227623.2/42

All: 271.959+/-0.026 χ^2/NDF: 2987073.0/86

- sign 273.383+/-0.038 χ^2/NDF: 1756659.0/43

asym_sam2_cor_correction_mean vs Slug



Right In: -3106.325+/-1326.174 χ^2/NDF: 16.2/17

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: -1090.623+/-1403.349 χ^2/NDF: 18.4/20

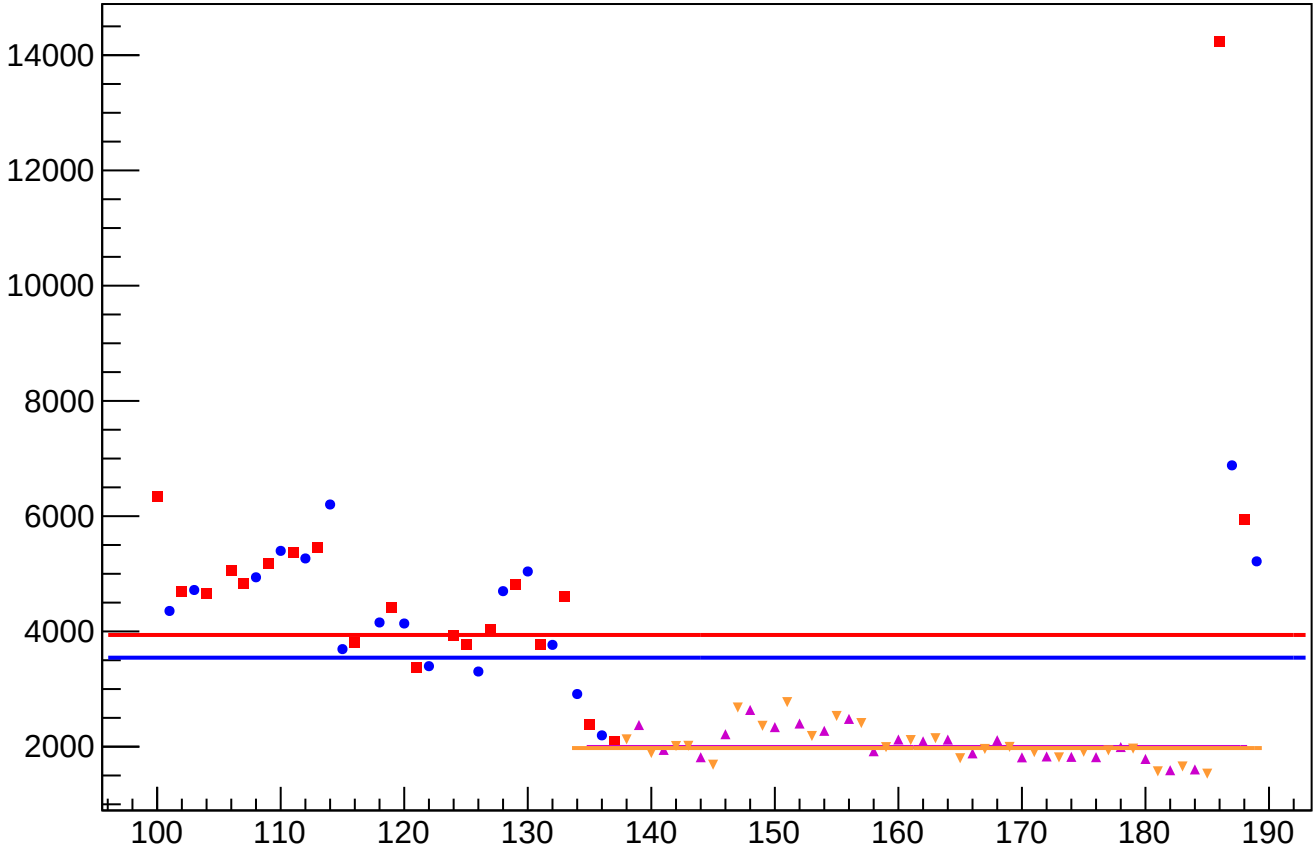
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1274.528+/-430.080 χ^2/NDF: 59.8/42

All: -694.709+/-309.677 χ^2/NDF: 116.7/86

- sign -70.426+/-446.266 χ^2/NDF: 53.1/43

asym_sam2_cor_correction_rms vs Slug



Right In: 3544.493+/-0.938 χ^2/NDF: 1511898.6/17

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 3938.595+/-0.992 χ^2/NDF: 1801343.8/20

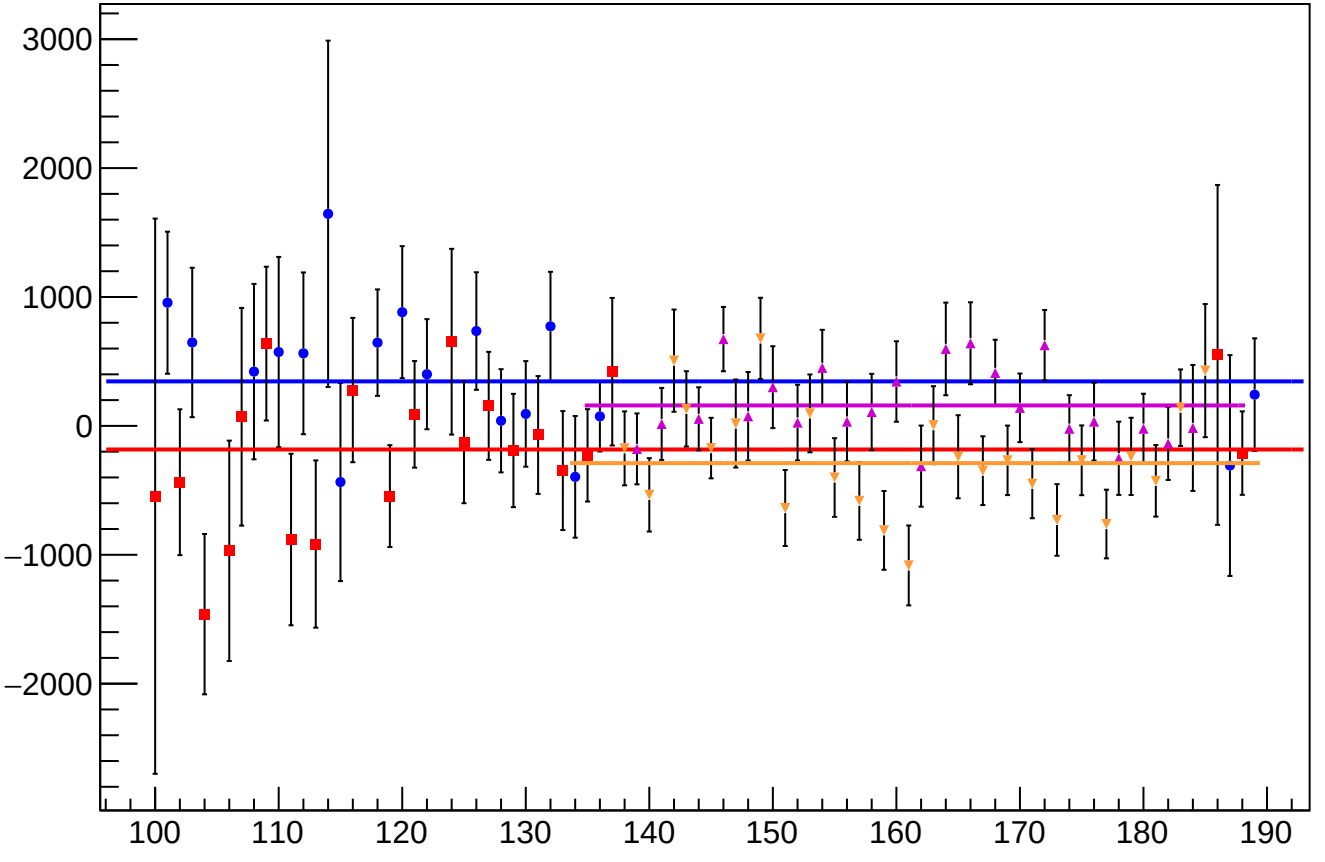
Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

+ sign 2140.932+/-0.304 χ^2/NDF: 4778751.8/42

All: 2165.200+/-0.219 χ^2/NDF: 10642505.6/8

- sign 2191.330+/-0.316 χ^2/NDF: 5850528.9/43

eigen_cor_asym_sam2_mean vs Slug



Right In: 345.323+/-113.688 χ^2/NDF: 12.1/17

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: -183.103+/-112.279 χ^2/NDF: 15.3/20

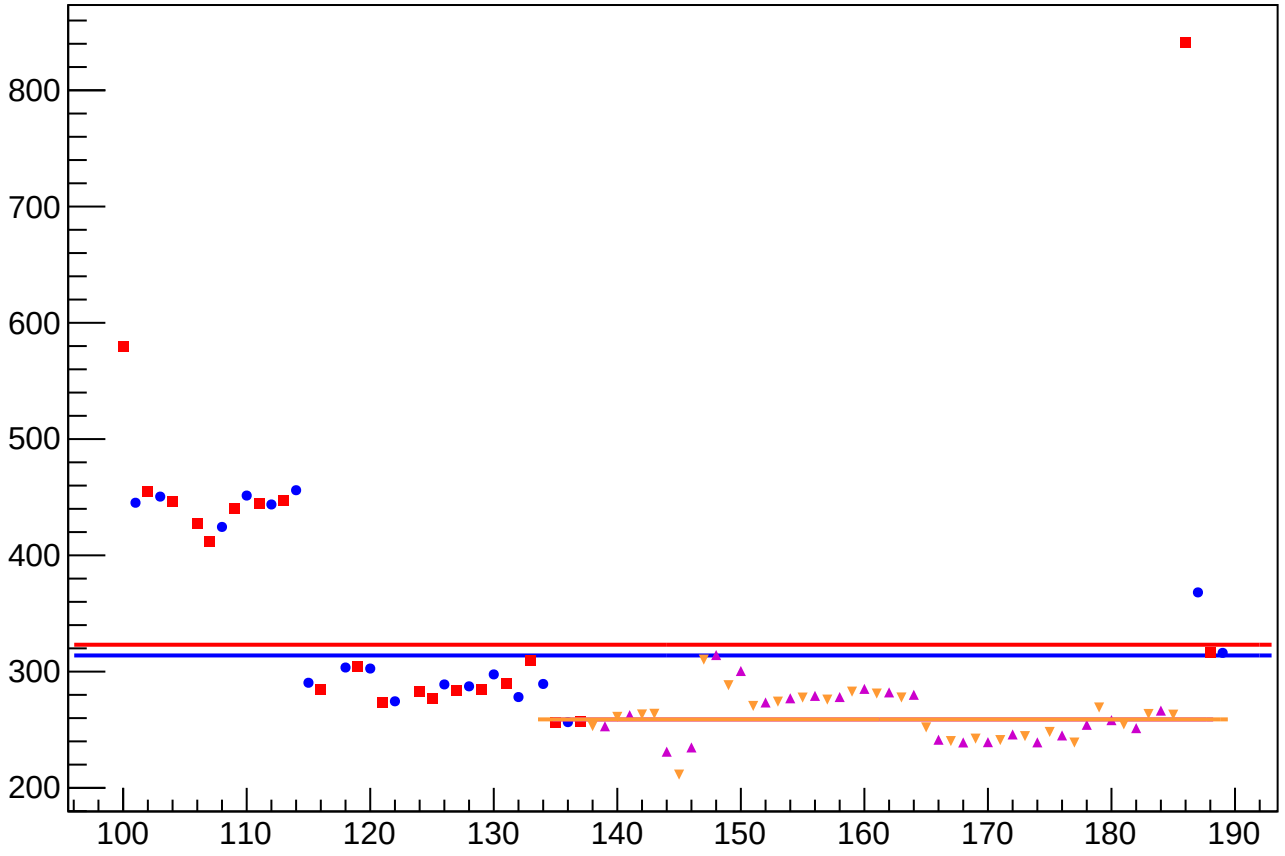
Left In: 158.612+/-60.708 χ^2/NDF:22.5/22

+ sign -154.227+/-52.392 χ^2/NDF: 79.1/42

All: -38.704+/-37.399 χ^2/NDF: 133.9/86

- sign 81.312+/-53.402 χ^2/NDF: 44.9/43

eigen_cor_asym_sam2_rms vs Slug



Right In: 313.891+/-0.080 χ^2/NDF: 610484.2/17

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

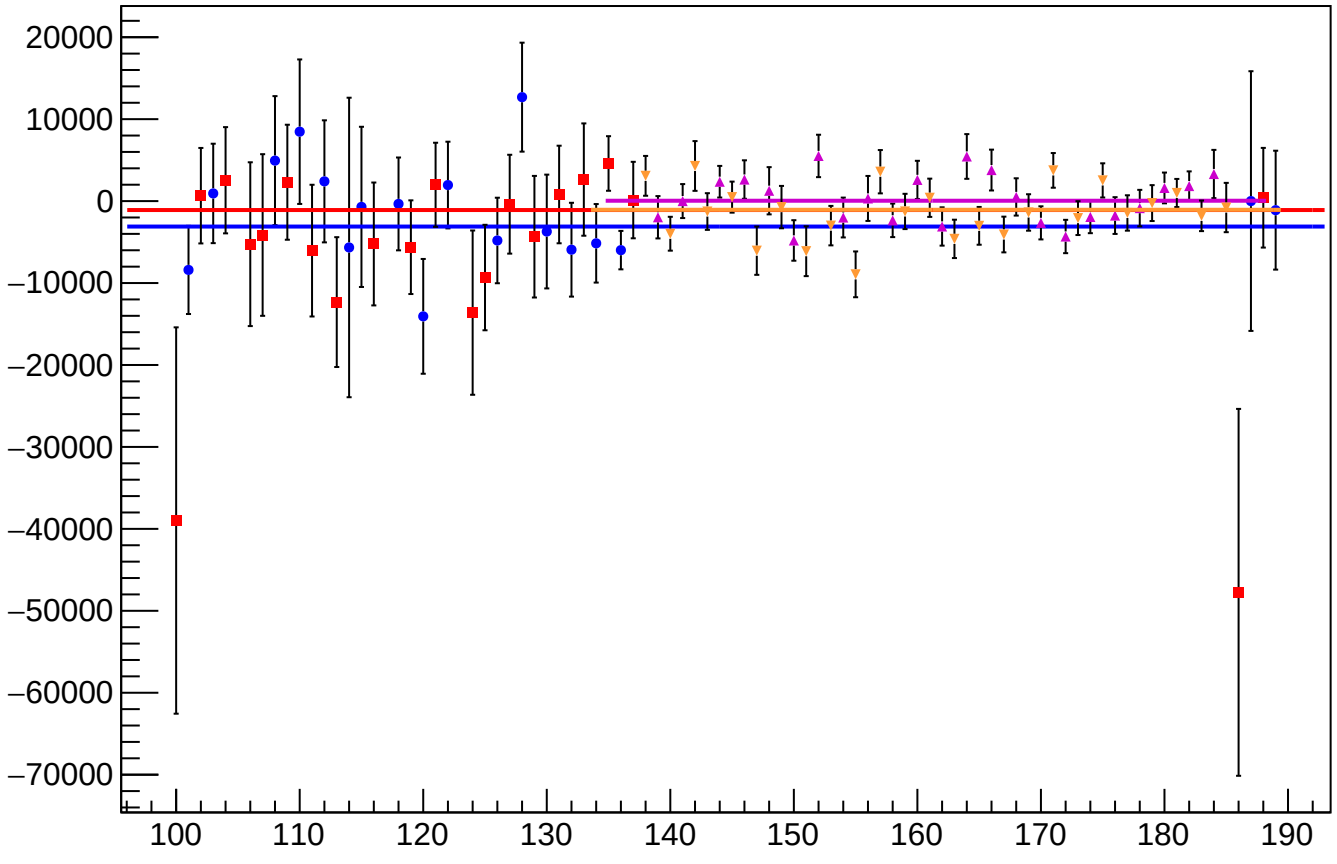
Right Out: 323.119+/-0.079 χ^2/NDF: 1004536.0/20

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 270.588+/-0.037 χ^2/NDF: 1227623.2/42

All: 271.959+/-0.026 χ^2/NDF: 2987073.0/86

- sign 273.383+/-0.038 χ^2/NDF: 1756659.0/43



Right In: -3106.325+/-1326.174 χ^2/NDF: 16.2/17

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: -1090.623+/-1403.349 χ^2/NDF: 18.4/20

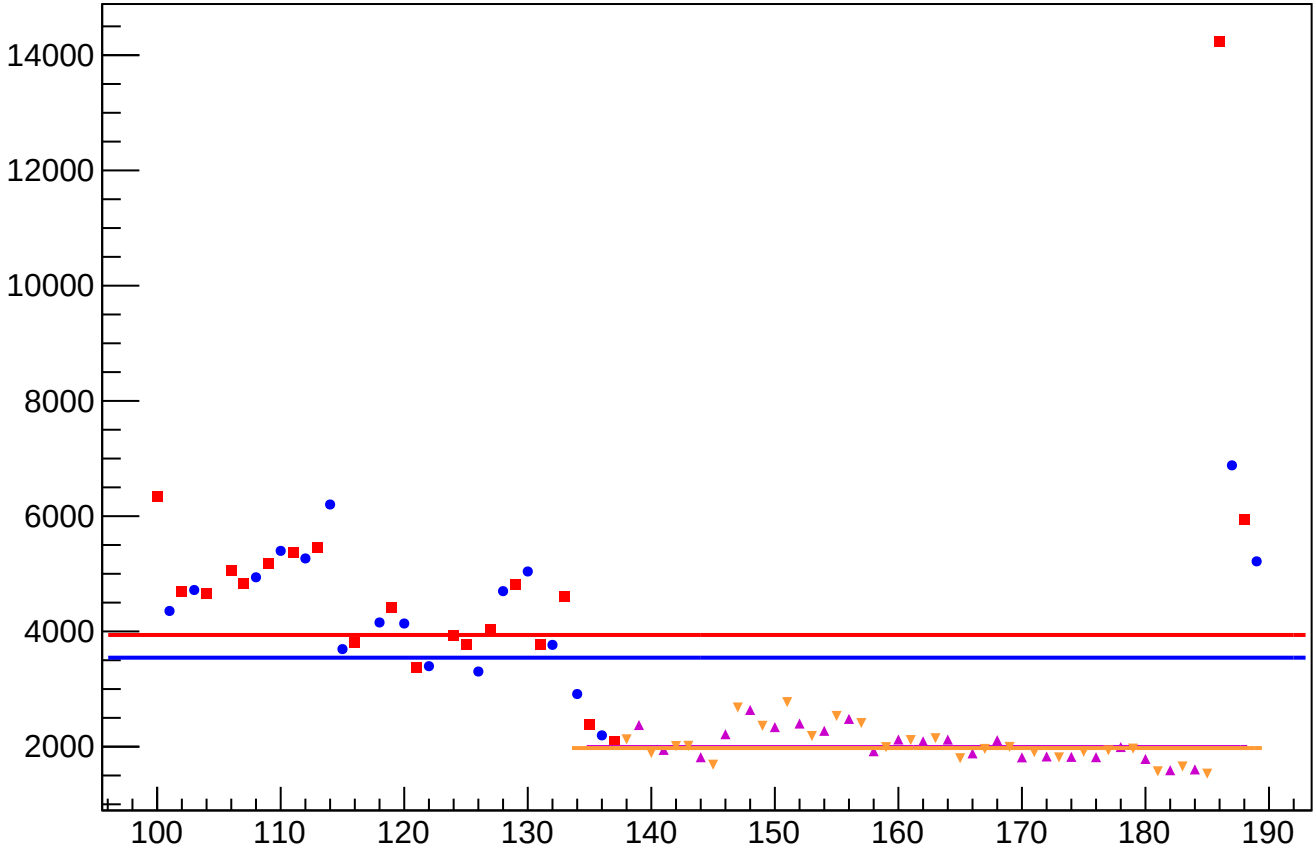
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1274.528+/-430.080 χ^2/NDF: 59.8/42

All: -694.709+/-309.677 χ^2/NDF: 116.7/86

- sign -70.426+/-446.266 χ^2/NDF: 53.1/43

asym_sam2_eigen_cor_correction_rms vs Slug



Right In: 3544.493+/-0.938 χ^2/NDF: 1511898.6/17

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

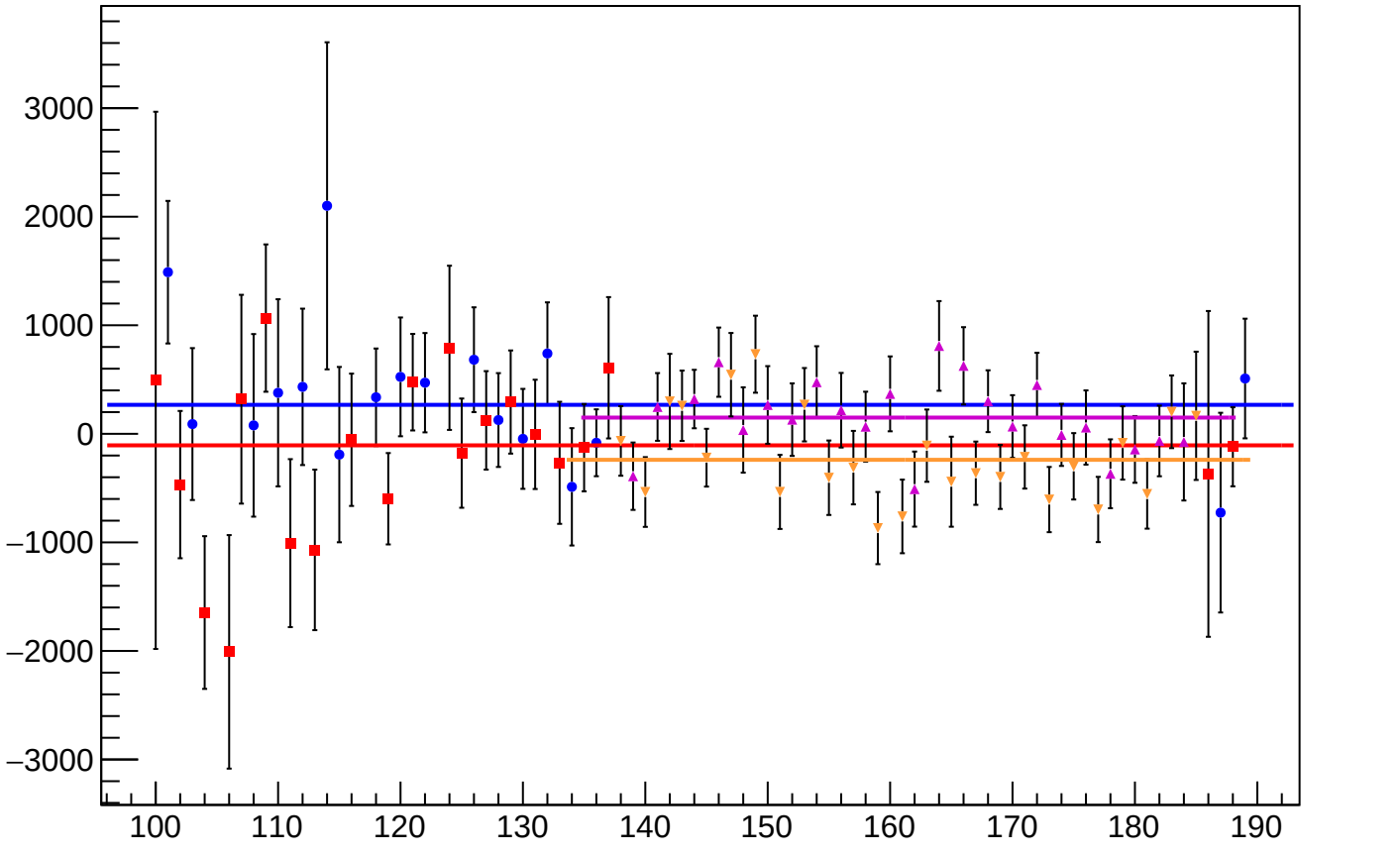
Right Out: 3938.595+/-0.992 χ^2/NDF: 1801343.8/20

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

+ sign 2140.932+/-0.304 χ^2/NDF: 4778751.8/42

All: 2165.200+/-0.219 χ^2/NDF: 10642505.6/8

- sign 2191.330+/-0.316 χ^2/NDF: 5850528.9/43



Right In: 266.980+/-127.617 χ^2/NDF: 12.8/17

Left Out: -239.549+/-66.167 χ^2/NDF:34.0/24

Right Out: -106.235+/-124.993 χ^2/NDF: 21.3/20

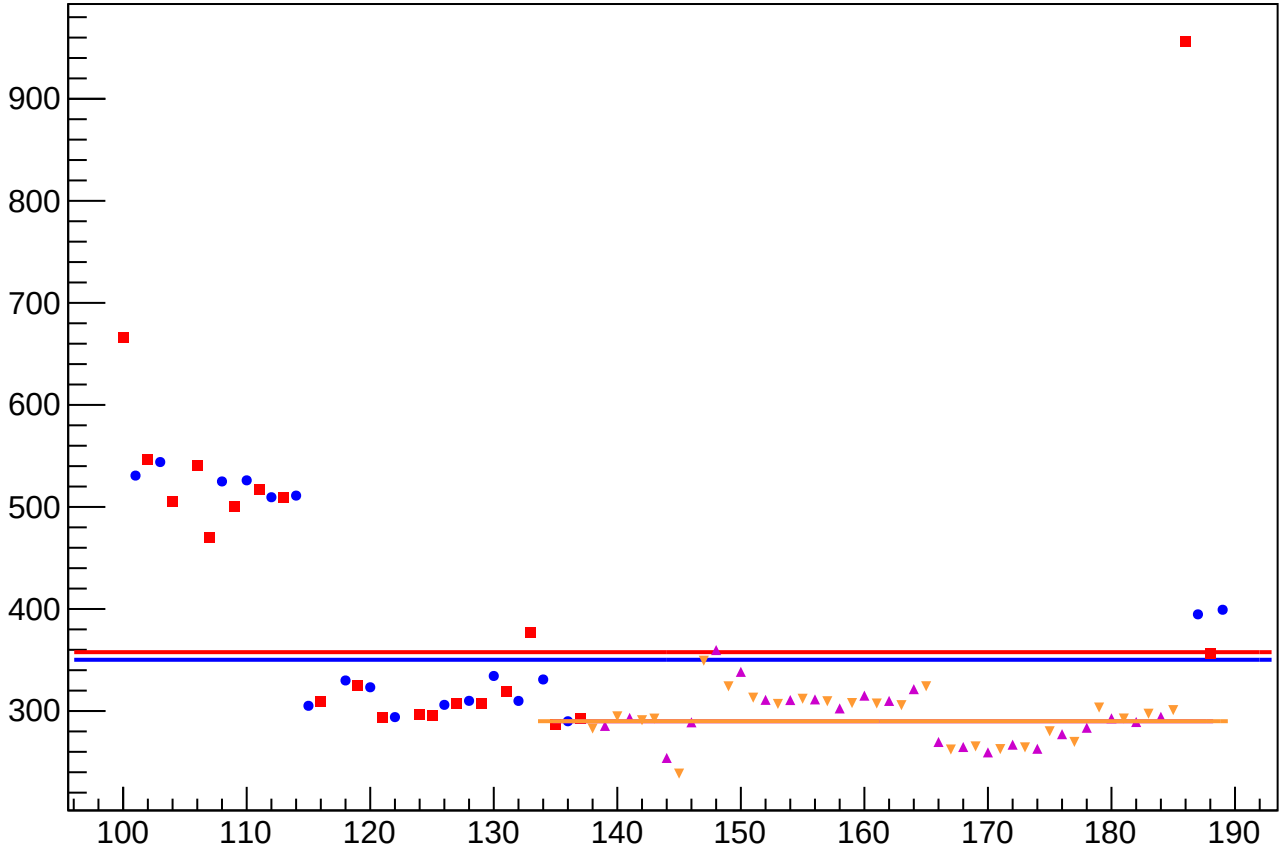
Left In: 149.516+/-68.160 χ^2/NDF:21.7/22

+ sign -132.232+/-58.741 χ^2/NDF: 59.3/42

All: -22.736+/-41.920 χ^2/NDF: 112.6/86

- sign 90.897+/-59.841 χ^2/NDF: 46.3/43

dit_asym_sam2_rms vs Slug



Right In: 350.215+/-0.090 χ^2/NDF: 790889.2/17

Left Out: 290.023+/-0.047 χ^2/NDF:280647.1/24

Right Out: 357.685+/-0.088 χ^2/NDF: 1186538.2/20

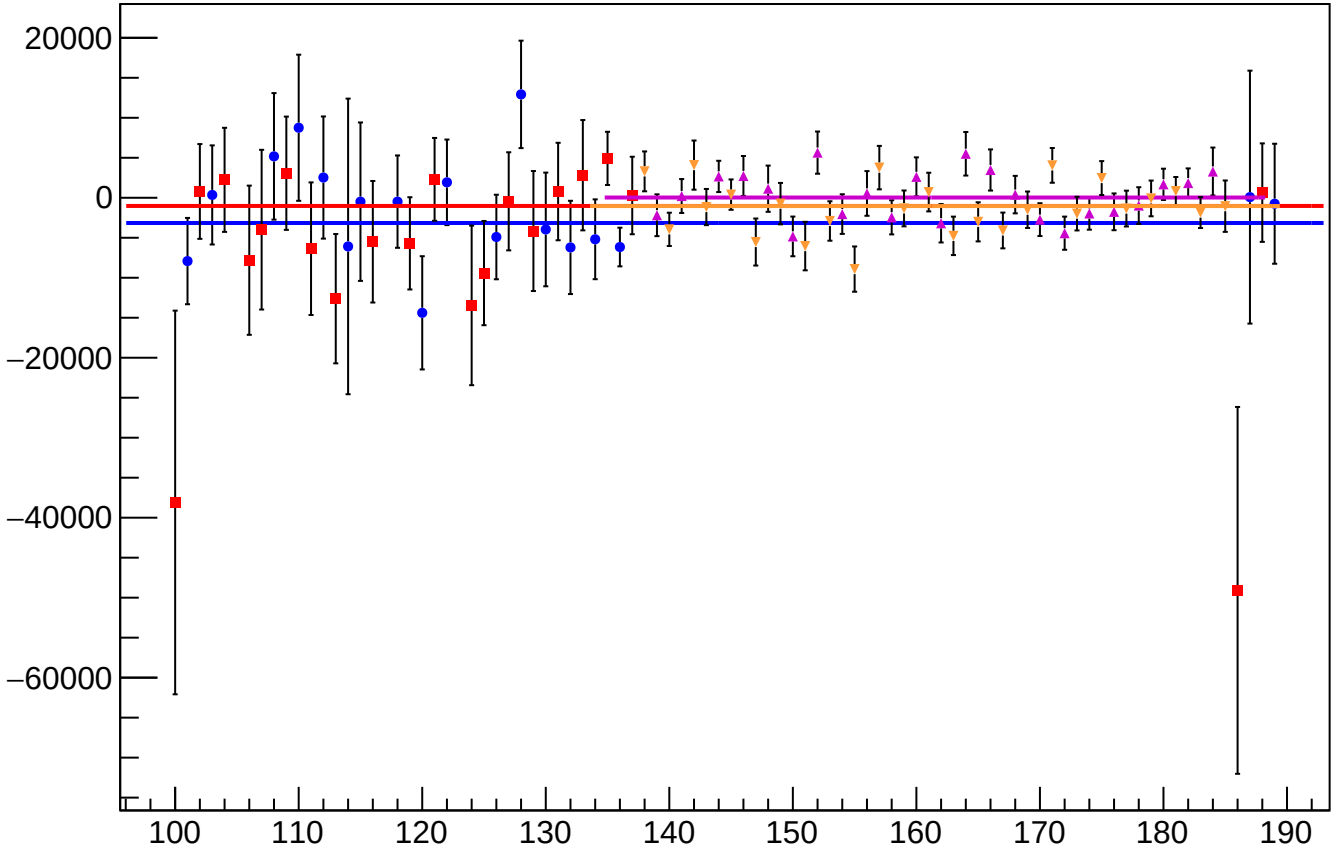
Left In: 289.941+/-0.048 χ^2/NDF:269669.5/22

+ sign 302.776+/-0.042 χ^2/NDF: 1422198.0/42

All: 304.097+/-0.030 χ^2/NDF: 3333306.5/86

- sign 305.468+/-0.042 χ^2/NDF: 1909045.9/43

asym_sam2_dit_correction_mean vs Slug



Right In: -3152.197+/-1356.145 χ^2/NDF: 16.2/17

Left Out: -1036.592+/-465.324 χ^2/NDF:40.3/24

Right Out: -1022.444+/-1418.555 χ^2/NDF: 19.1/20

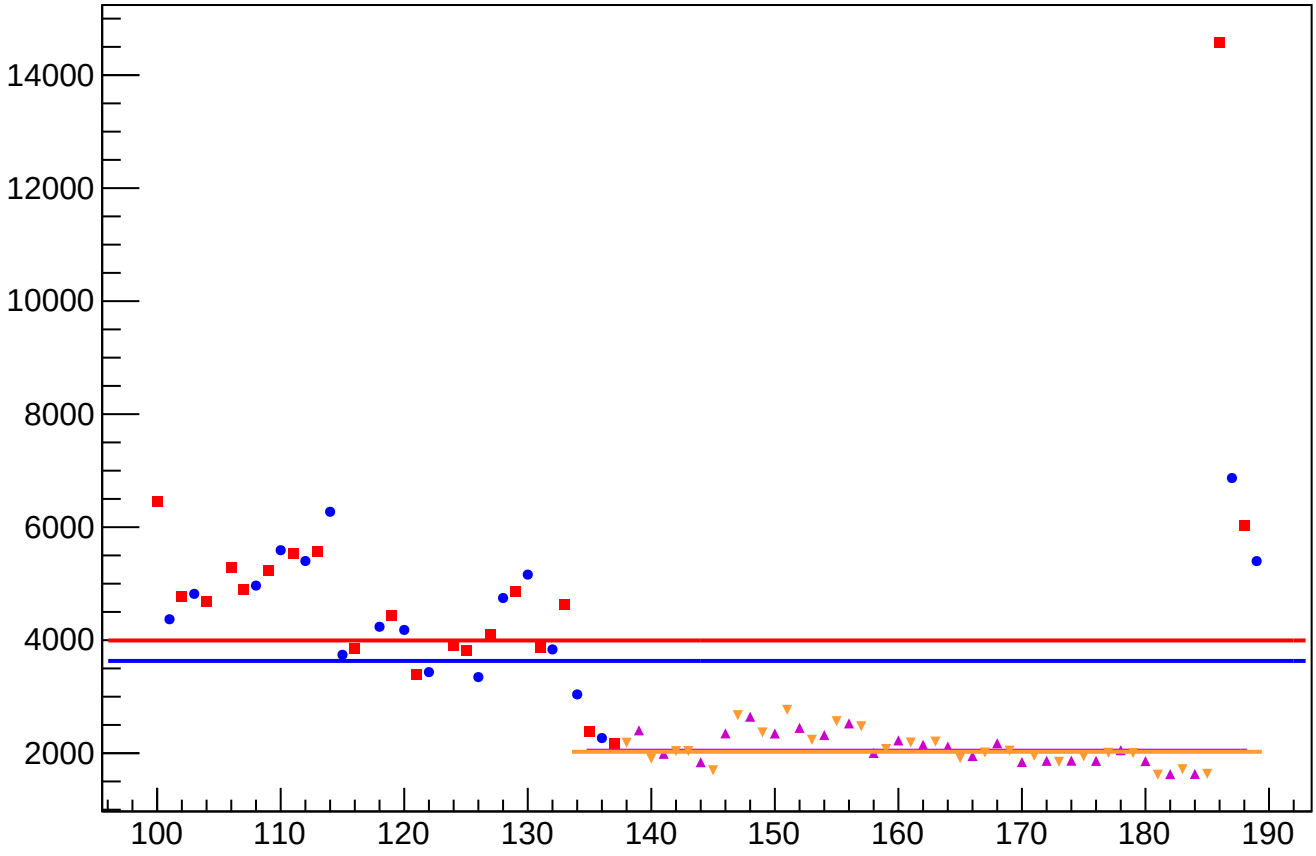
Left In: 30.393+/-482.280 χ^2/NDF:34.1/22

+ sign -1259.433+/-440.135 χ^2/NDF: 58.7/42

All: -690.751+/-316.888 χ^2/NDF: 115.8/86

- sign -78.692+/-456.613 χ^2/NDF: 53.7/43

asym_sam2_dit_correction_rms vs Slug



Right In: 3632.925+/-0.959 χ^2/NDF: 1460760.4/17

Left Out: 2025.085+/-0.329 χ^2/NDF:700821.6/24

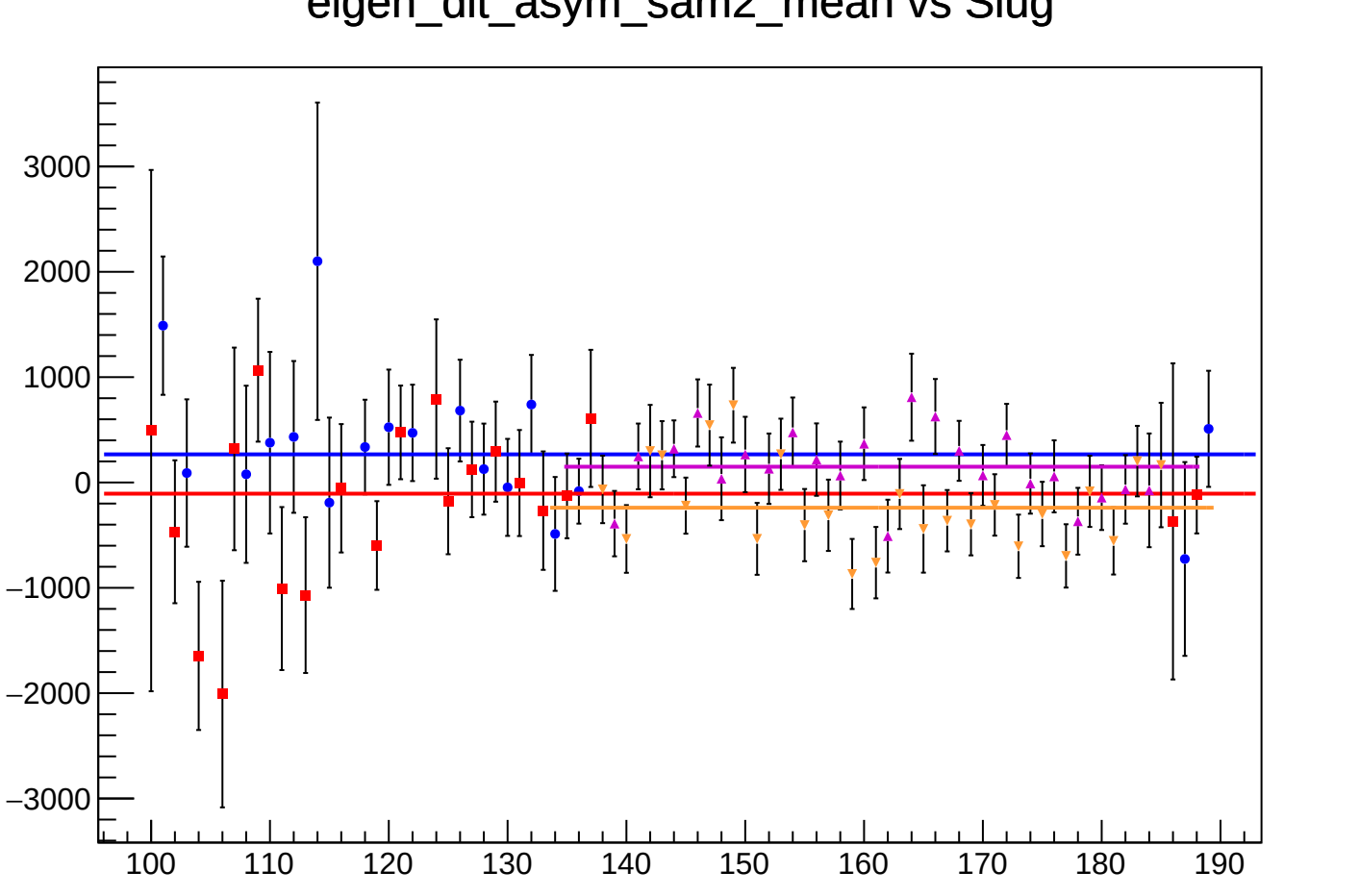
Right Out: 3995.085+/-1.003 χ^2/NDF: 1821841.0/20

Left In: 2044.523+/-0.341 χ^2/NDF:584918.7/22

+ sign 2194.442+/-0.311 χ^2/NDF: 4676739.7/42

All: 2219.573+/-0.224 χ^2/NDF: 10486682.0/8

- sign 2246.621+/-0.323 χ^2/NDF: 5796403.8/43



Right In: 266.984+/-127.617 χ^2/NDF: 12.8/17

Left Out: -239.552+/-66.167 χ^2/NDF:34.0/24

Right Out: -106.236+/-124.992 χ^2/NDF: 21.3/20

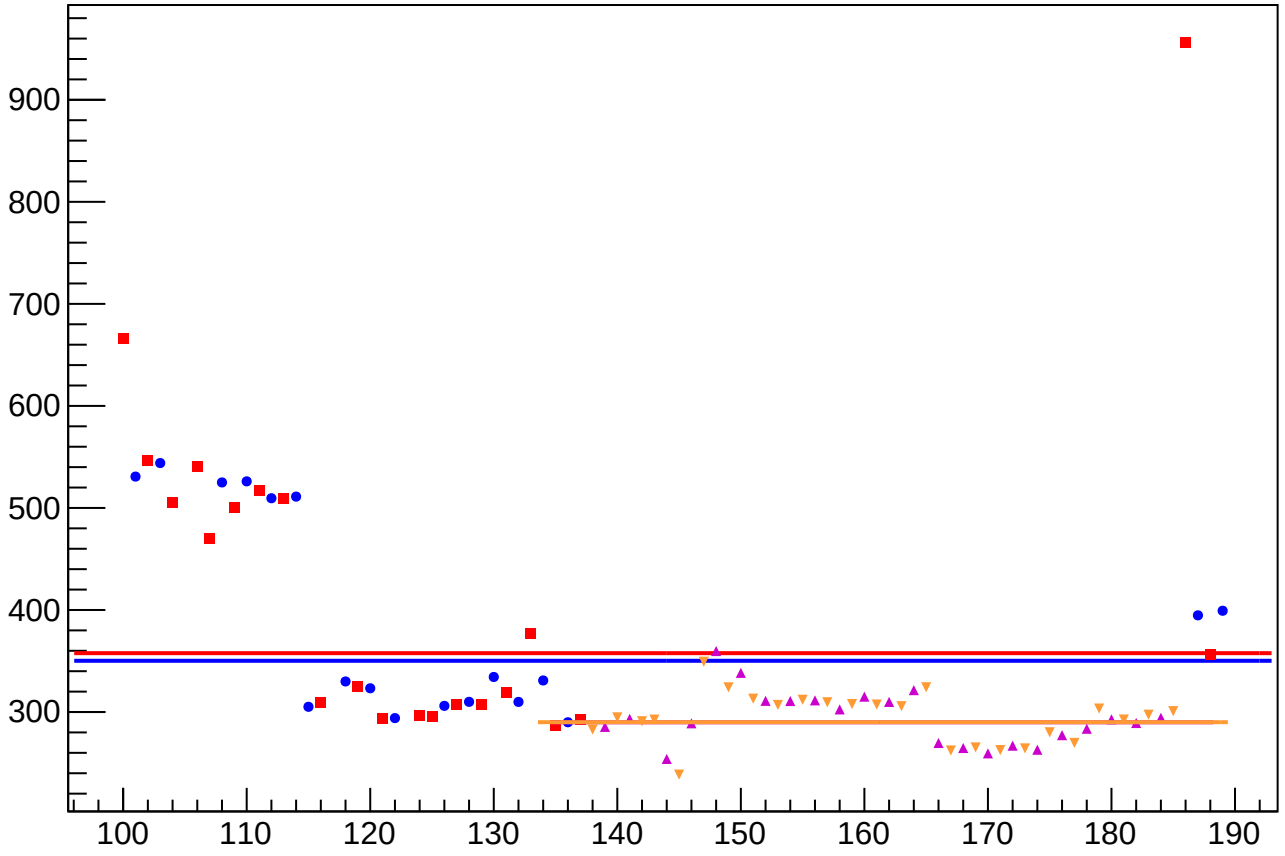
Left In: 149.517+/-68.160 χ^2/NDF:21.7/22

+ sign -132.233+/-58.741 χ^2/NDF: 59.3/42

All: -22.737+/-41.920 χ^2/NDF: 112.6/86

- sign 90.897+/-59.841 χ^2/NDF: 46.3/43

eigen_dit_asym_sam2_rms vs Slug



Right In: 350.213+/-0.090 χ^2/NDF: 790883.4/17

Left Out: 290.023+/-0.047 χ^2/NDF:280652.8/24

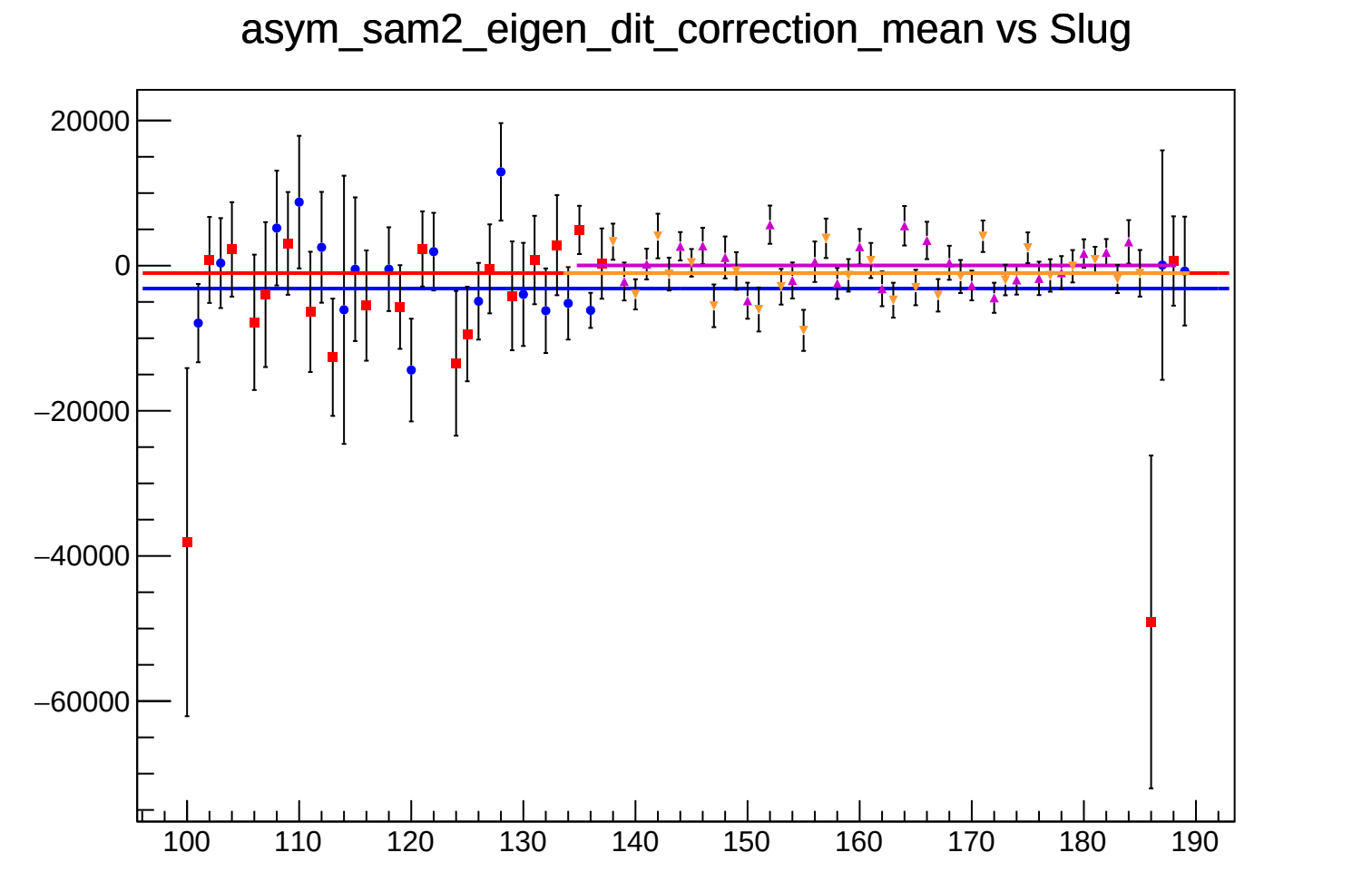
Right Out: 357.684+/-0.088 χ^2/NDF: 1186525.8/20

Left In: 289.941+/-0.048 χ^2/NDF:269671.9/22

+ sign 302.775+/-0.042 χ^2/NDF: 1422178.1/42

All: 304.097+/-0.030 χ^2/NDF: 3333265.5/86

- sign 305.468+/-0.042 χ^2/NDF: 1909024.7/43



Right In: -3152.189+/-1356.143 χ^2/NDF: 16.2/17

Left Out: -1036.591+/-465.324 χ^2/NDF:40.3/24

Right Out: -1022.448+/-1418.553 χ^2/NDF: 19.1/20

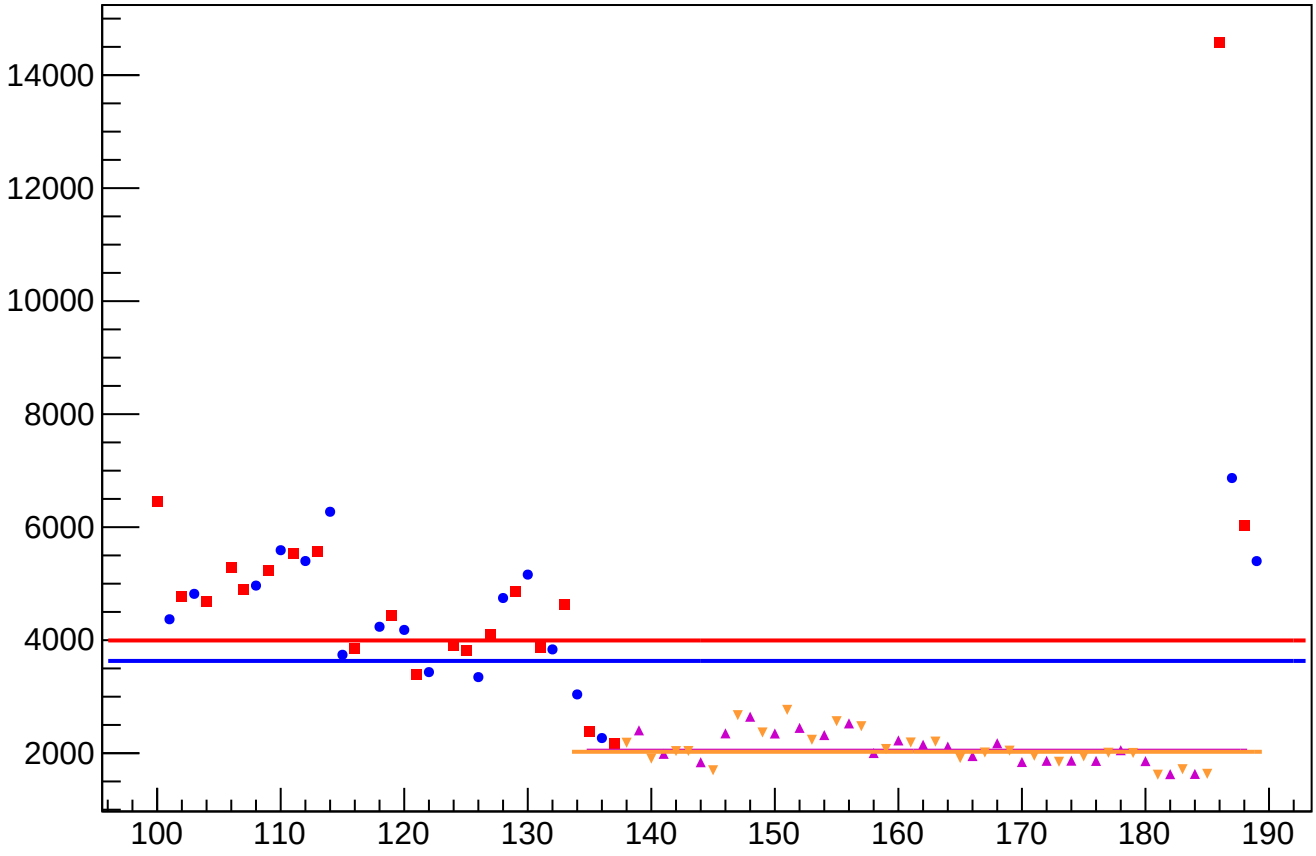
Left In: 30.392+/-482.280 χ^2/NDF:34.1/22

+ sign -1259.432+/-440.135 χ^2/NDF: 58.7/42

All: -690.751+/-316.888 χ^2/NDF: 115.8/86

- sign -78.694+/-456.613 χ^2/NDF: 53.7/43

asym_sam2_eigen_dit_correction_rms vs Slug



Right In: 3632.921+/-0.959 χ^2/NDF: 1460746.9/17

Left Out: 2025.085+/-0.329 χ^2/NDF:700825.4/24

Right Out: 3995.080+/-1.003 χ^2/NDF: 1821832.0/20

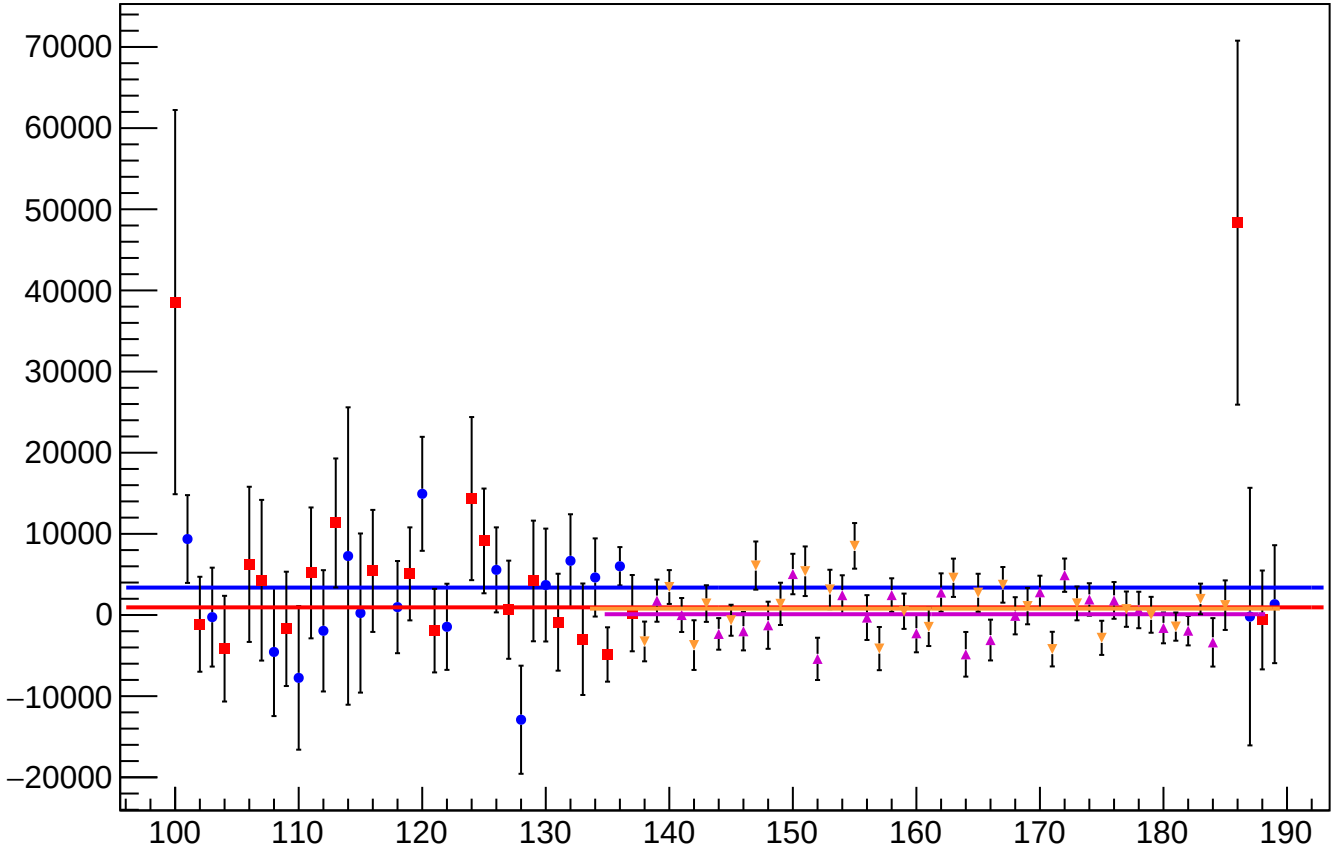
Left In: 2044.522+/-0.341 χ^2/NDF:584922.7/22

+ sign 2194.442+/-0.311 χ^2/NDF: 4676724.6/42

All: 2219.573+/-0.224 χ^2/NDF: 10486654.9/8

- sign 2246.621+/-0.323 χ^2/NDF: 5796392.2/43

asym_sam2_mean vs Slug



Right In: 3380.432+/-1332.420 χ^2/NDF: 16.5/17

Left Out: 788.321+/-458.726 χ^2/NDF:41.3/24

Right Out: 942.696+/-1407.482 χ^2/NDF: 18.6/20

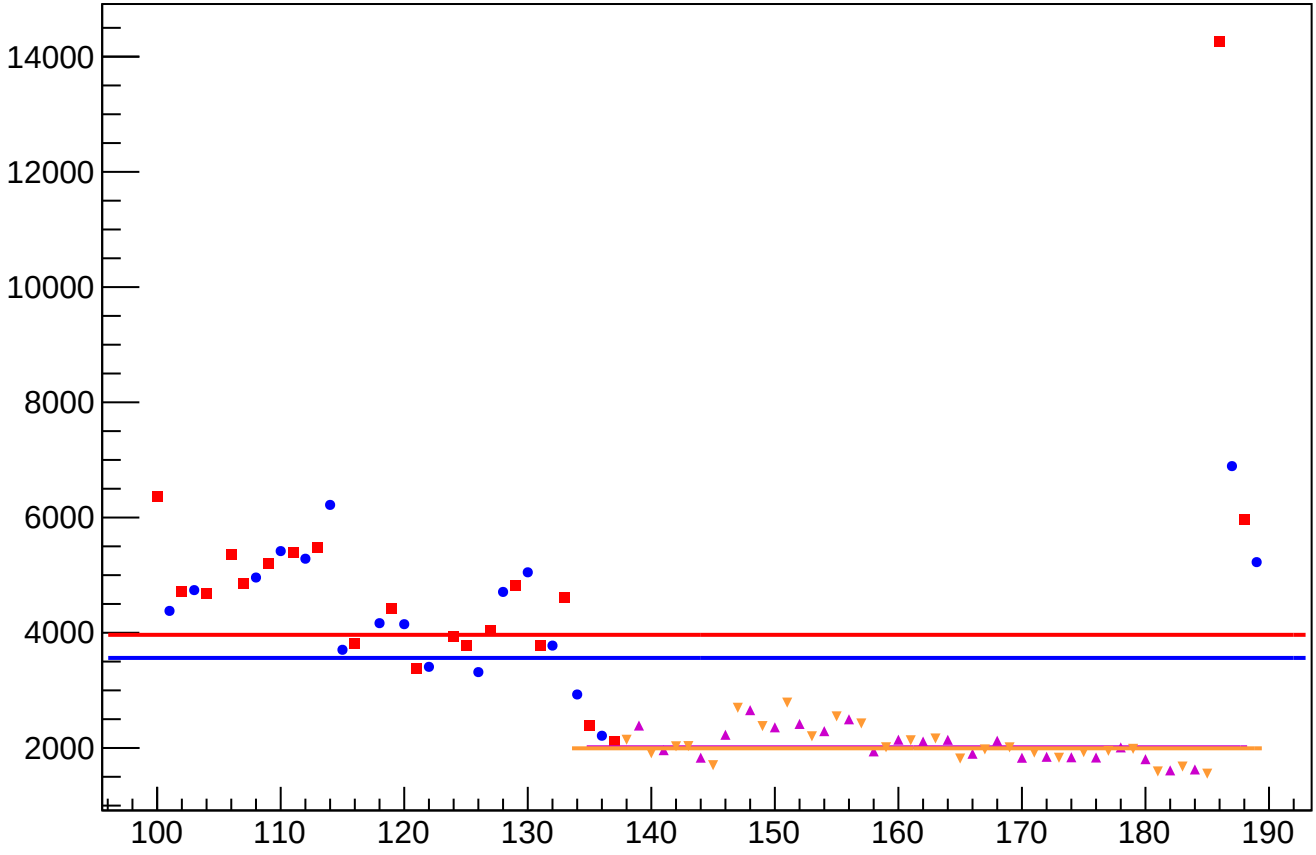
Left In: 96.730+/-474.825 χ^2/NDF:32.8/22

+ sign 1063.003+/-433.740 χ^2/NDF: 61.2/42

All: 639.185+/-312.261 χ^2/NDF: 114.9/86

- sign 183.172+/-449.913 χ^2/NDF: 51.7/43

asym_sam2_rms vs Slug



Right In: 3563.259+/-0.942 χ^2/NDF: 1496705.5/17

Left Out: 1994.246+/-0.324 χ^2/NDF:746498.4/24

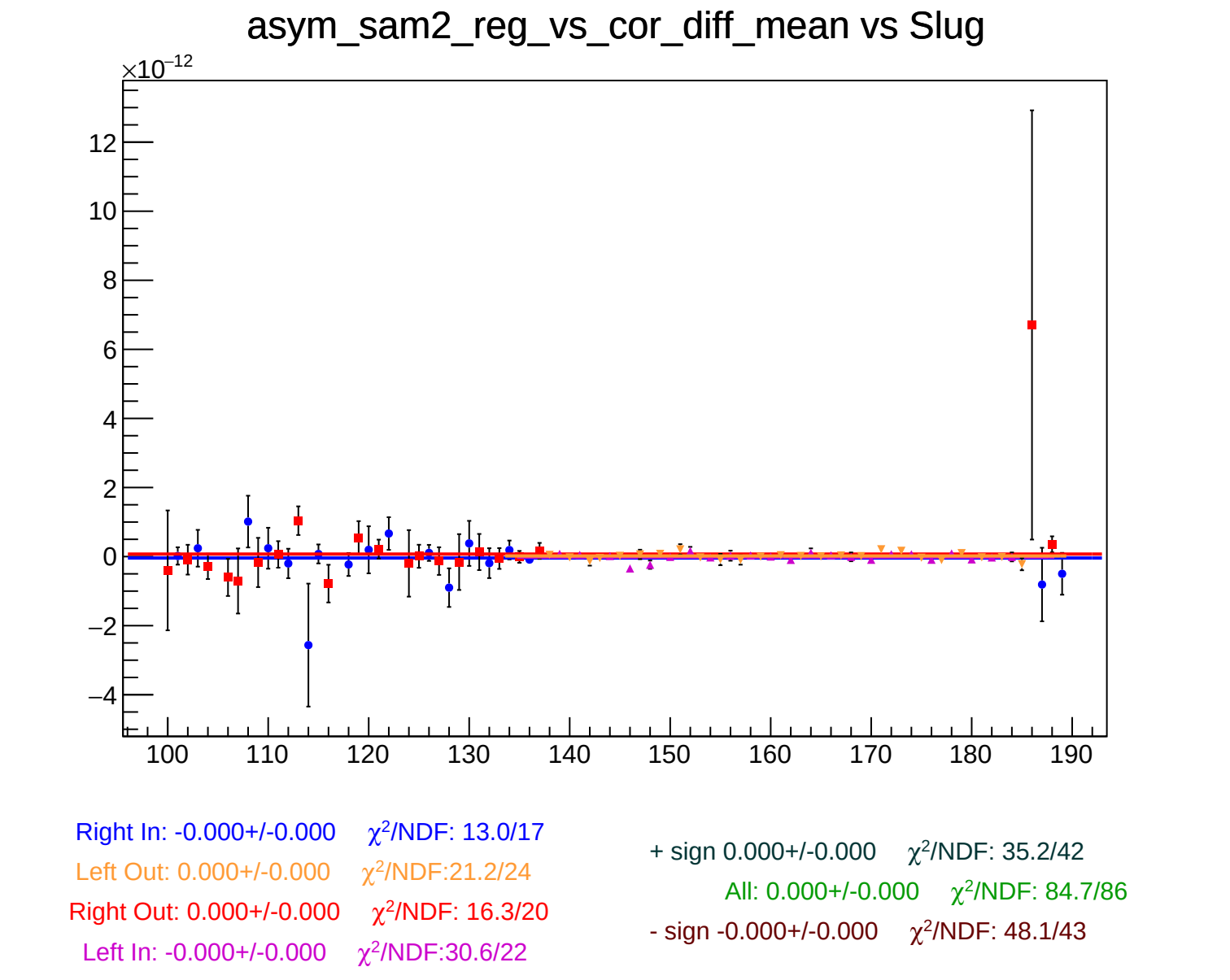
Right Out: 3964.089+/-0.995 χ^2/NDF: 1806562.7/20

Left In: 2012.692+/-0.336 χ^2/NDF:587260.9/22

+ sign 2160.512+/-0.307 χ^2/NDF: 4722646.1/42

All: 2185.356+/-0.221 χ^2/NDF: 10581723.1/8

- sign 2212.088+/-0.318 χ^2/NDF: 5845454.9/43


asym_sam2_reg_vs_cor_diff_mean vs Slug
×10^−12
12
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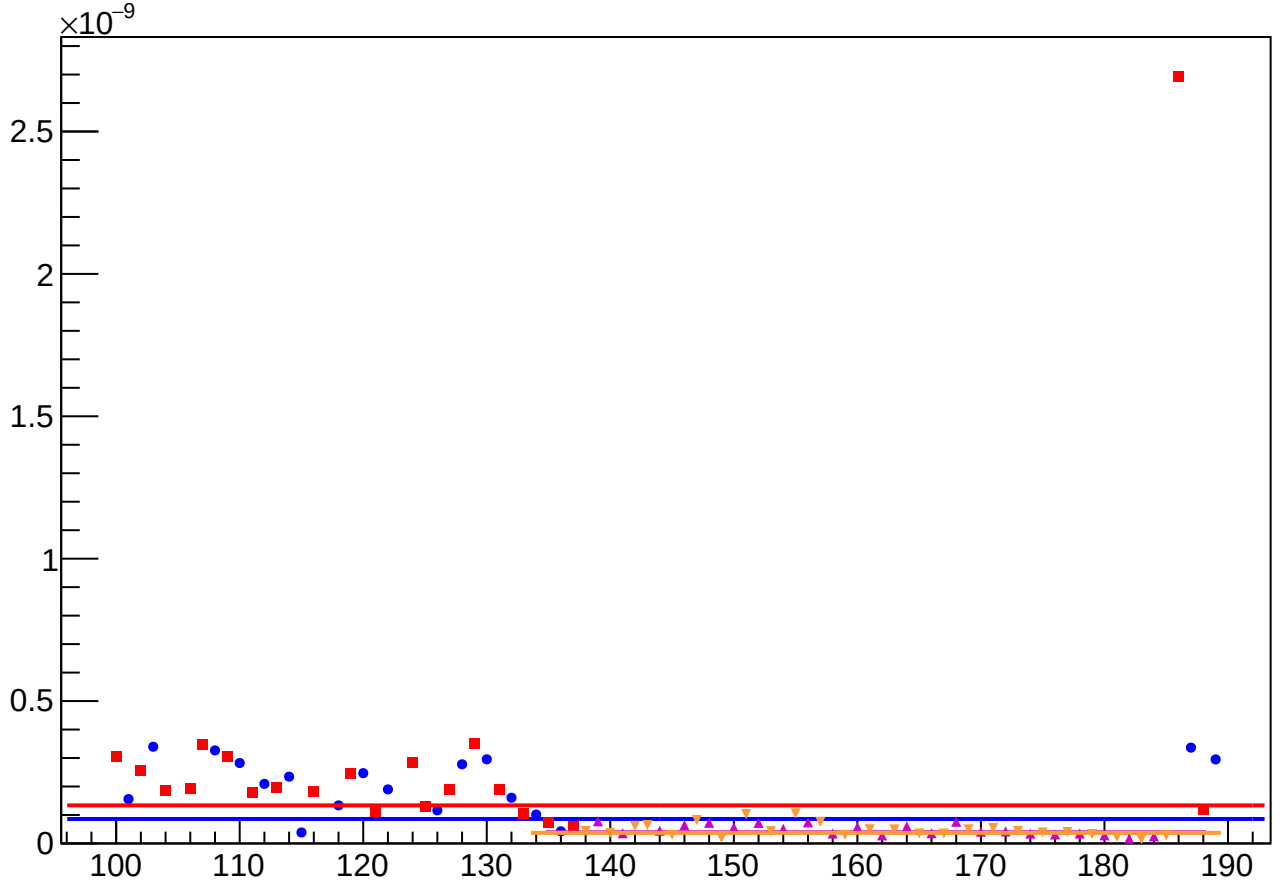
4
2
0
−2
−4
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 13.0/17
Left Out: 0.000+/-0.000 χ²/NDF:21.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 16.3/20
Left In: -0.000+/-0.000 χ²/NDF:30.6/22
+ sign 0.000+/-0.000 χ²/NDF: 35.2/42
All: 0.000+/-0.000 χ²/NDF: 84.7/86
- sign -0.000+/-0.000 χ²/NDF: 48.1/43

asym_sam2_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3056129.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:2323330.9/24

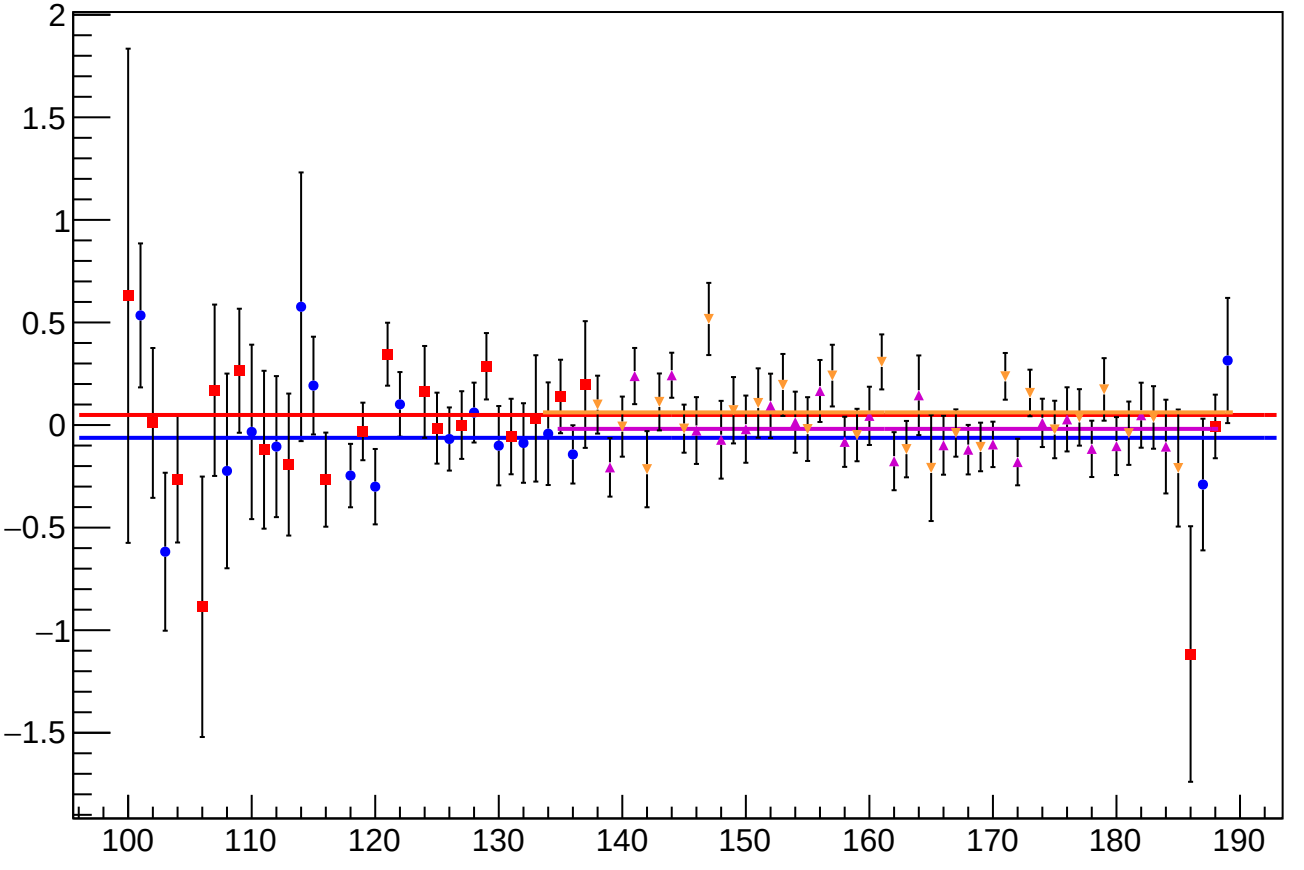
Right Out: 0.000+/-0.000 χ^2/NDF: 1750323.9/20

Left In: 0.000+/-0.000 χ^2/NDF:1921481.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 6605433.0/42

All: 0.000+/-0.000 χ^2/NDF: 13008975.5/86

- sign 0.000+/-0.000 χ^2/NDF: 6372458.1/43



Right In: -0.062+/-0.050 χ^2/NDF: 14.5/17

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.049+/-0.049 χ^2/NDF: 17.7/20

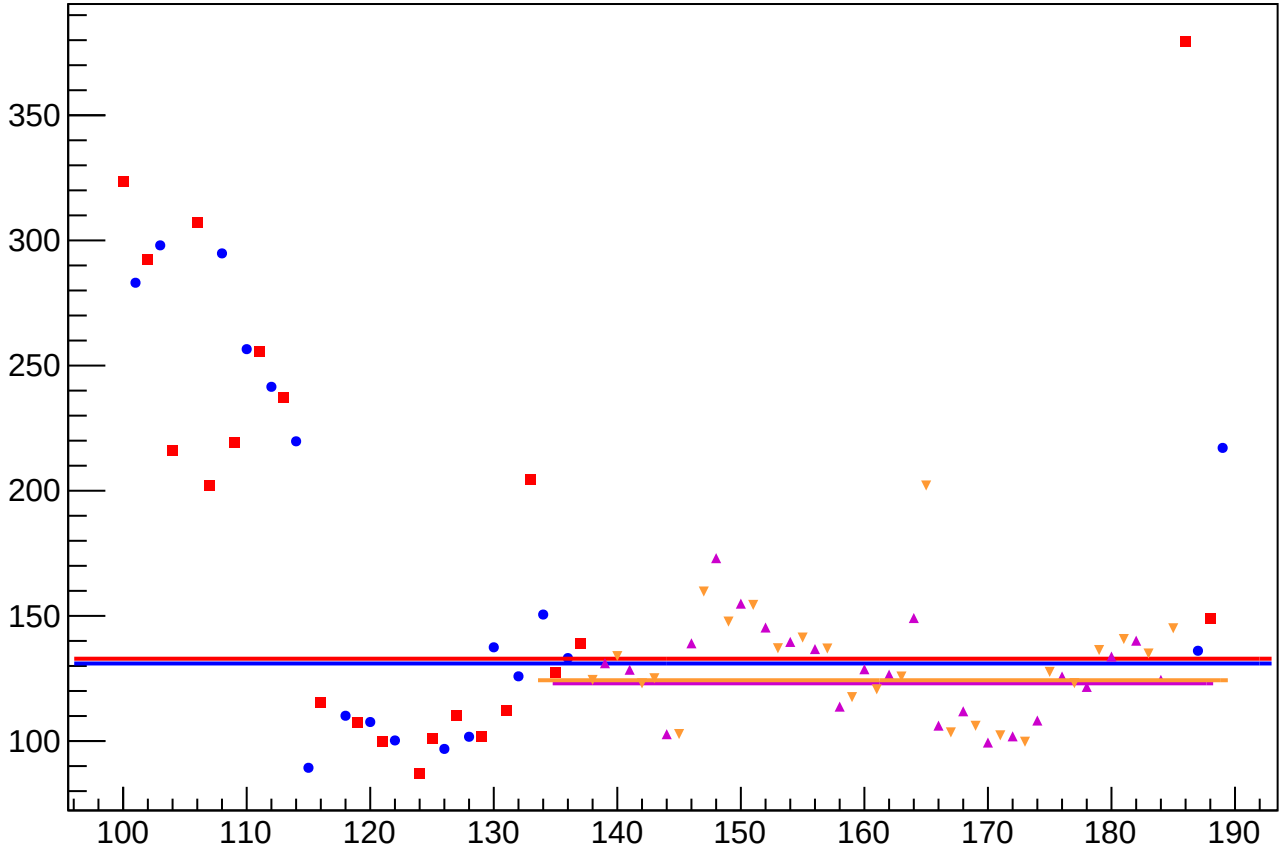
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.031+/-0.025 χ^2/NDF: 46.5/42

All: 0.015+/-0.018 χ^2/NDF: 86.8/86

- sign -0.001+/-0.025 χ^2/NDF: 39.5/43

asym_sam2_dit_vs_cor_diff_rms vs Slug



Right In: 130.991+/-0.036 χ^2/NDF: 1969986.0/17

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

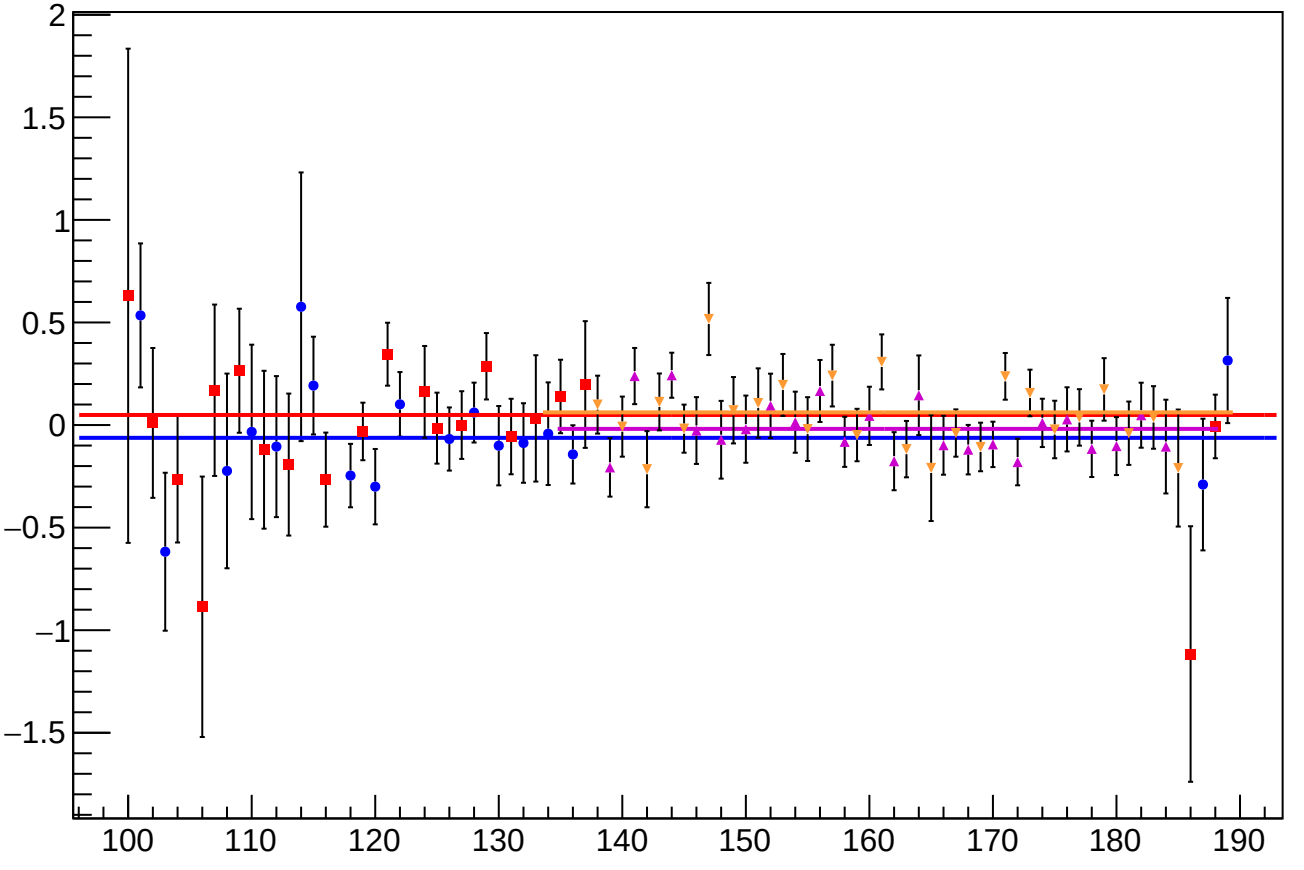
Right Out: 132.894+/-0.035 χ^2/NDF: 2232564.2/20

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

+ sign 125.930+/-0.018 χ^2/NDF: 2837656.2/42

All: 125.801+/-0.013 χ^2/NDF: 5848750.4/86

- sign 125.669+/-0.018 χ^2/NDF: 3010985.5/43



Right In: -0.062+/-0.050 χ^2/NDF: 14.5/17

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.049+/-0.049 χ^2/NDF: 17.7/20

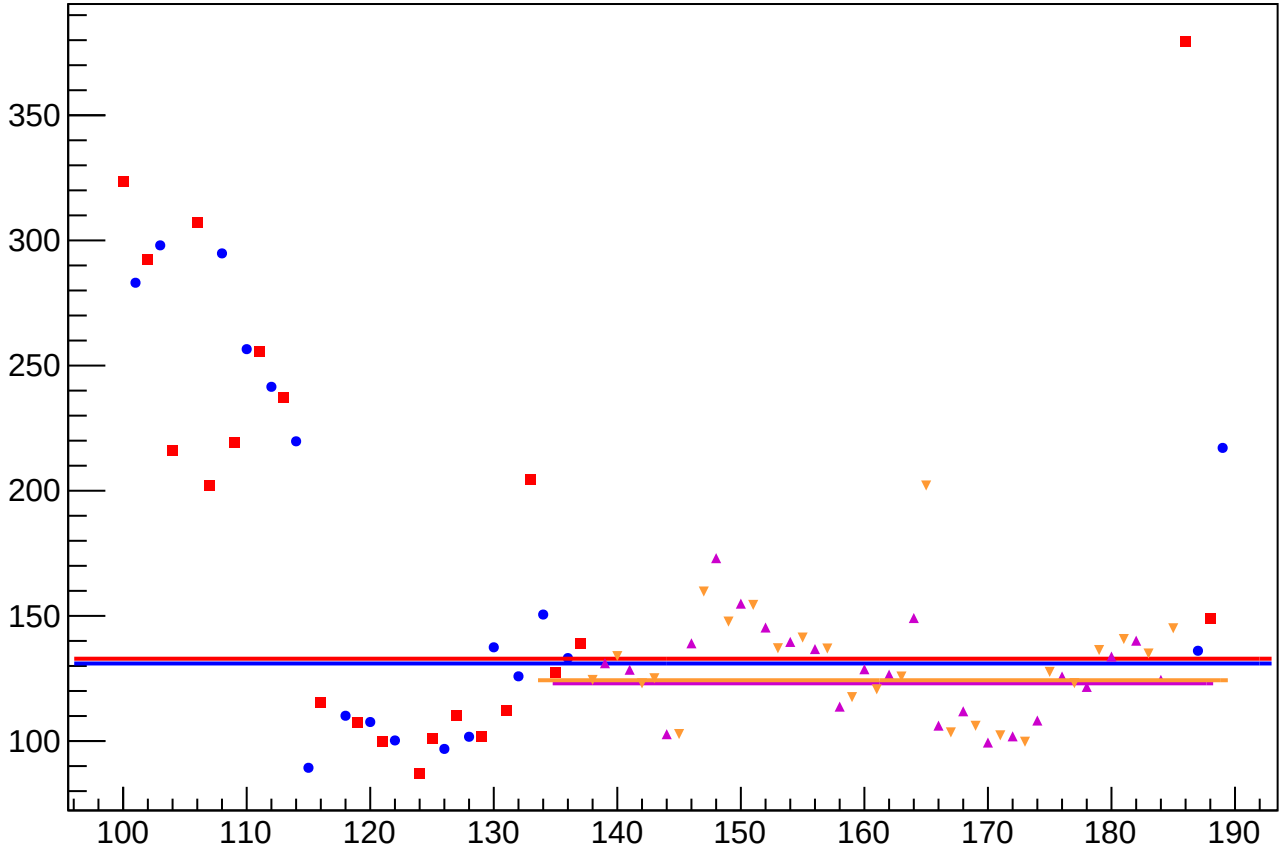
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.031+/-0.025 χ^2/NDF: 46.5/42

All: 0.015+/-0.018 χ^2/NDF: 86.8/86

- sign -0.001+/-0.025 χ^2/NDF: 39.5/43

asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 130.991+/-0.036 χ^2/NDF: 1969986.0/17

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

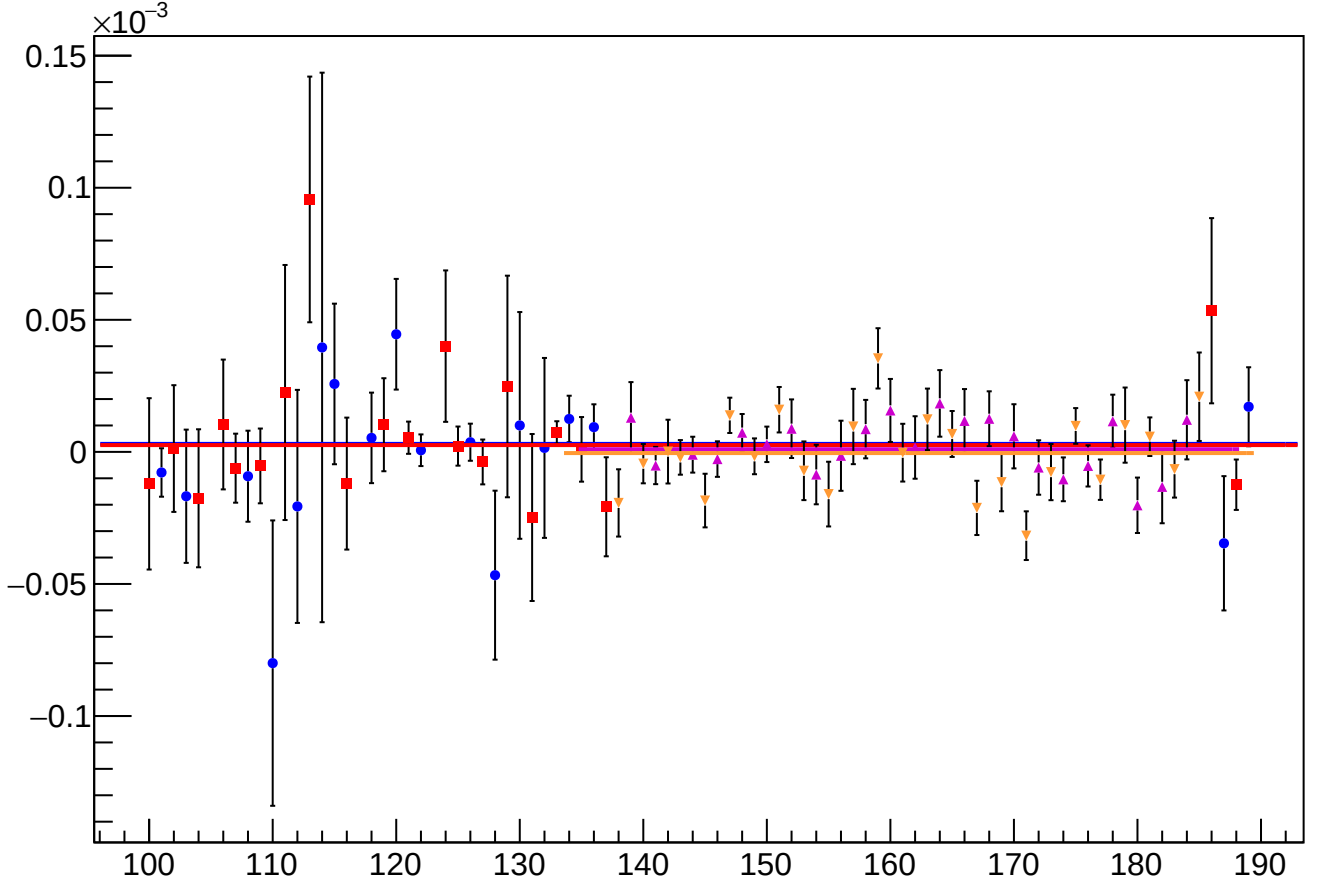
Right Out: 132.894+/-0.035 χ^2/NDF: 2232564.2/20

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

+ sign 125.930+/-0.018 χ^2/NDF: 2837656.2/42

All: 125.801+/-0.013 χ^2/NDF: 5848750.4/86

- sign 125.669+/-0.018 χ^2/NDF: 3010985.5/43



Right In: 0.000+/-0.000 χ^2/NDF: 17.2/17

Left Out: -0.000+/-0.000 χ^2/NDF:52.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17.3/20

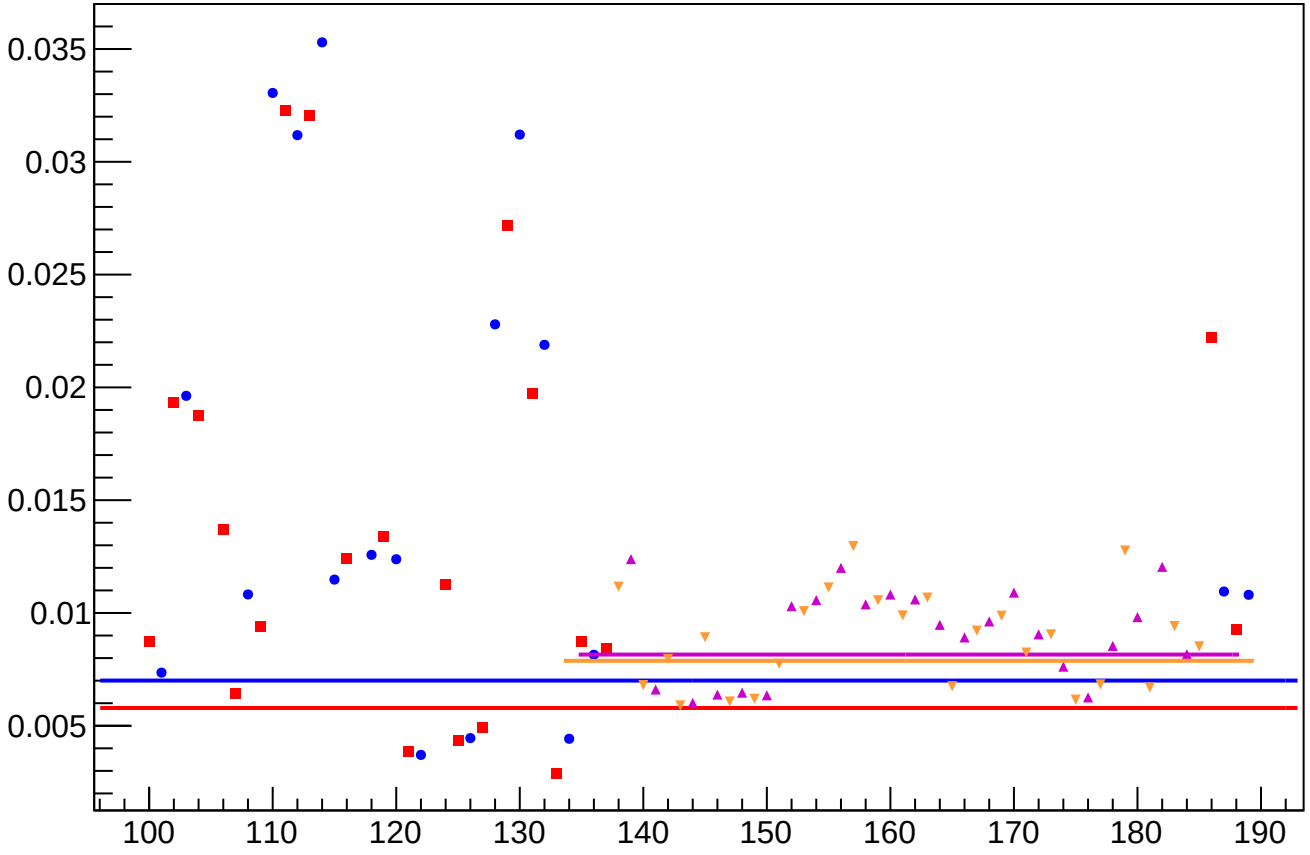
Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 70.6/42

All: 0.000+/-0.000 χ^2/NDF: 108.3/86

- sign 0.000+/-0.000 χ^2/NDF: 37.5/43

asym_sam2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 4960340.7/17

Left Out: 0.008+/-0.000 χ^2/NDF:2076596.0/24

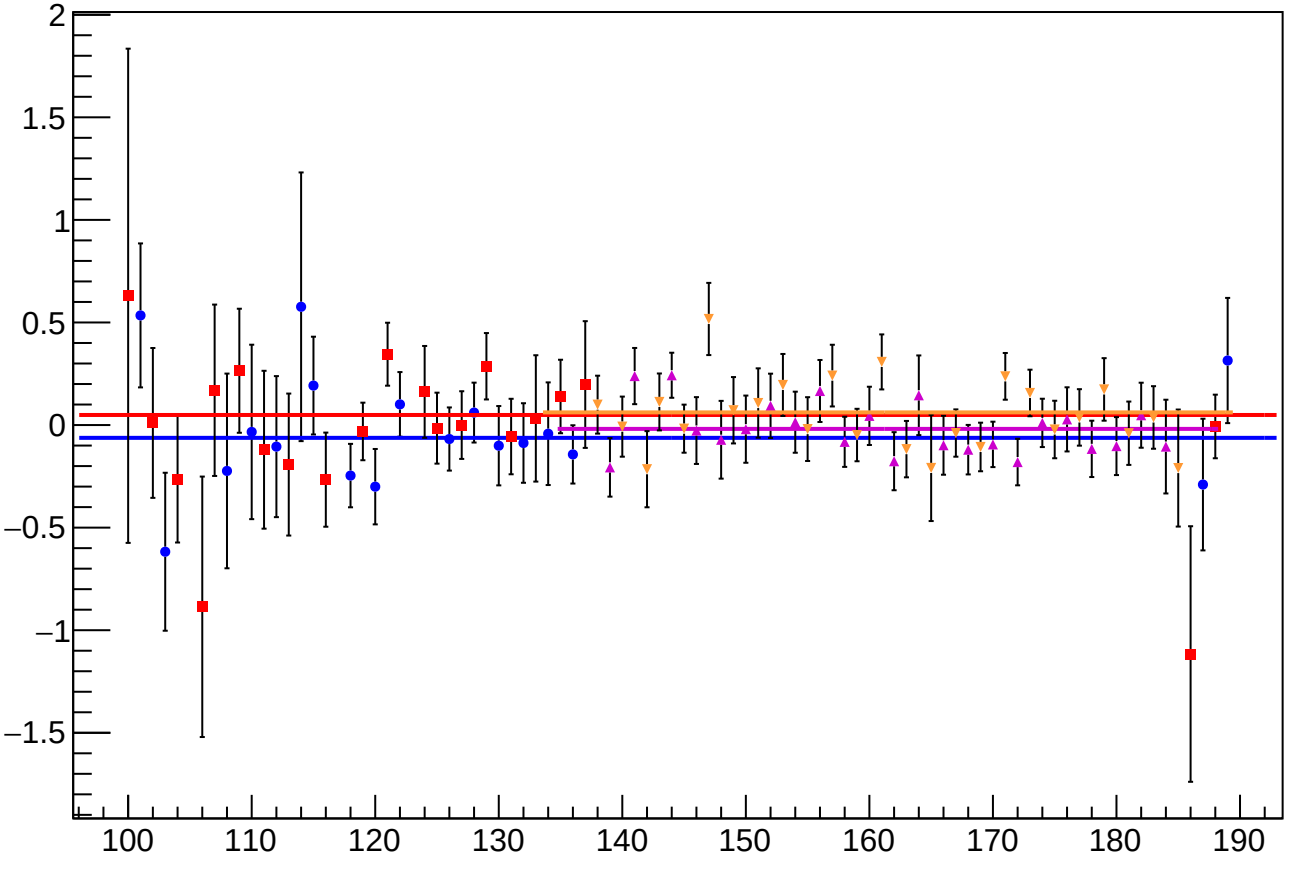
Right Out: 0.006+/-0.000 χ^2/NDF: 6310316.2/20

Left In: 0.008+/-0.000 χ^2/NDF:2017677.5/22

+ sign 0.008+/-0.000 χ^2/NDF: 7157462.4/42

All: 0.007+/-0.000 χ^2/NDF: 16653208.6/86

- sign 0.007+/-0.000 χ^2/NDF: 9429364.7/43



Right In: -0.062+/-0.050 χ^2/NDF: 14.5/17

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.049+/-0.049 χ^2/NDF: 17.7/20

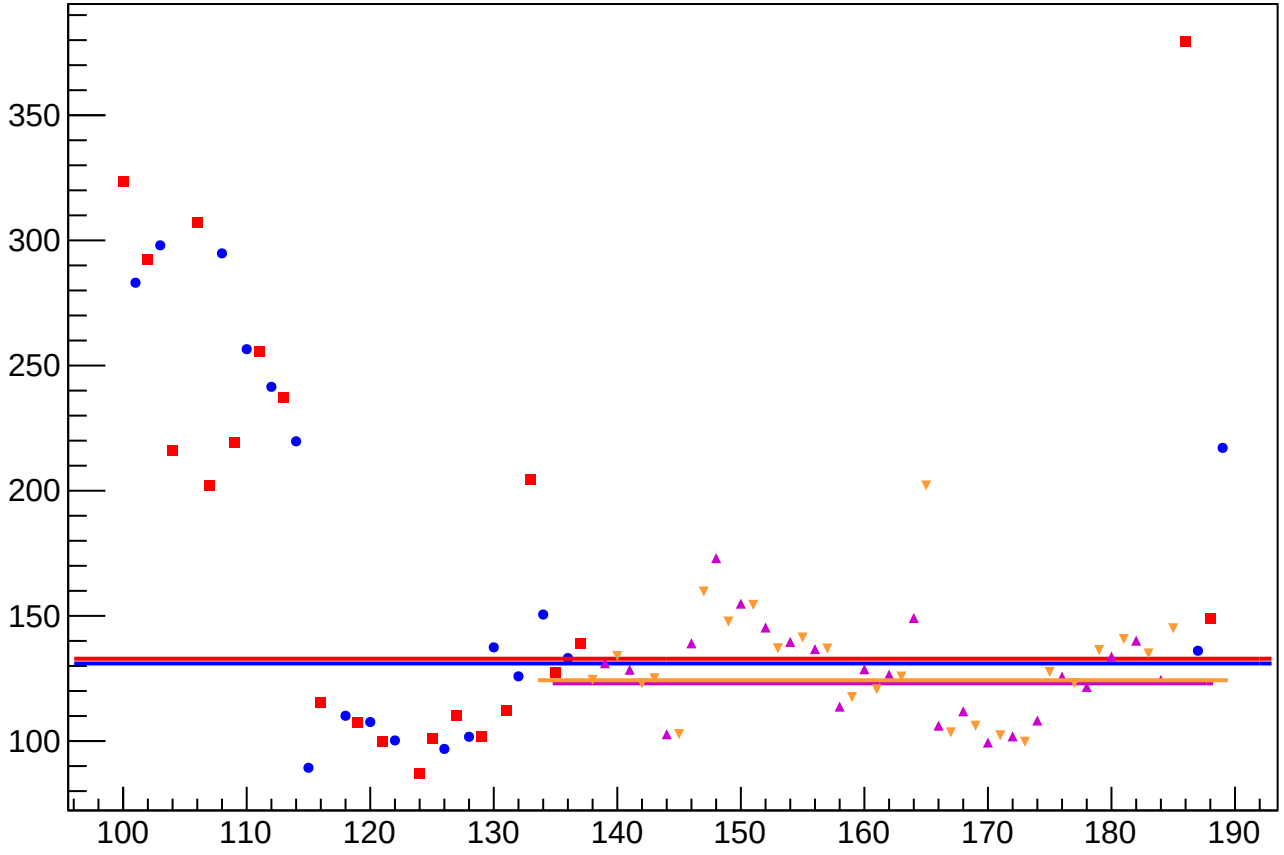
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.031+/-0.025 χ^2/NDF: 46.5/42

All: 0.015+/-0.018 χ^2/NDF: 86.8/86

- sign -0.001+/-0.025 χ^2/NDF: 39.5/43

asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 130.988+/-0.036 χ^2/NDF: 1969952.3/17

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

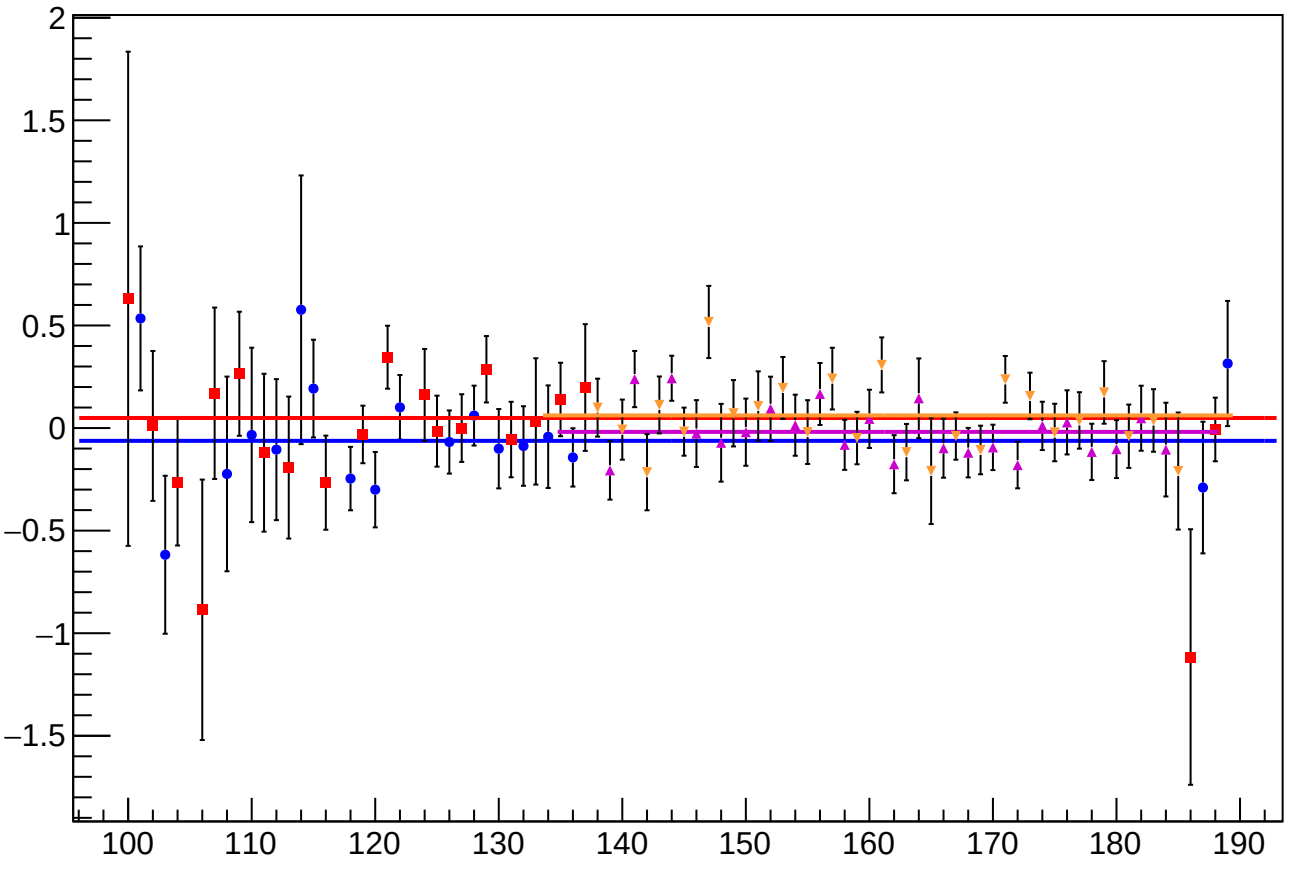
Right Out: 132.892+/-0.035 χ^2/NDF: 2232573.8/20

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

+ sign 125.929+/-0.018 χ^2/NDF: 2837654.0/42

All: 125.800+/-0.013 χ^2/NDF: 5848752.0/86

- sign 125.668+/-0.018 χ^2/NDF: 3010989.3/43



Right In: -0.062+/-0.050 χ^2/NDF: 14.5/17

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

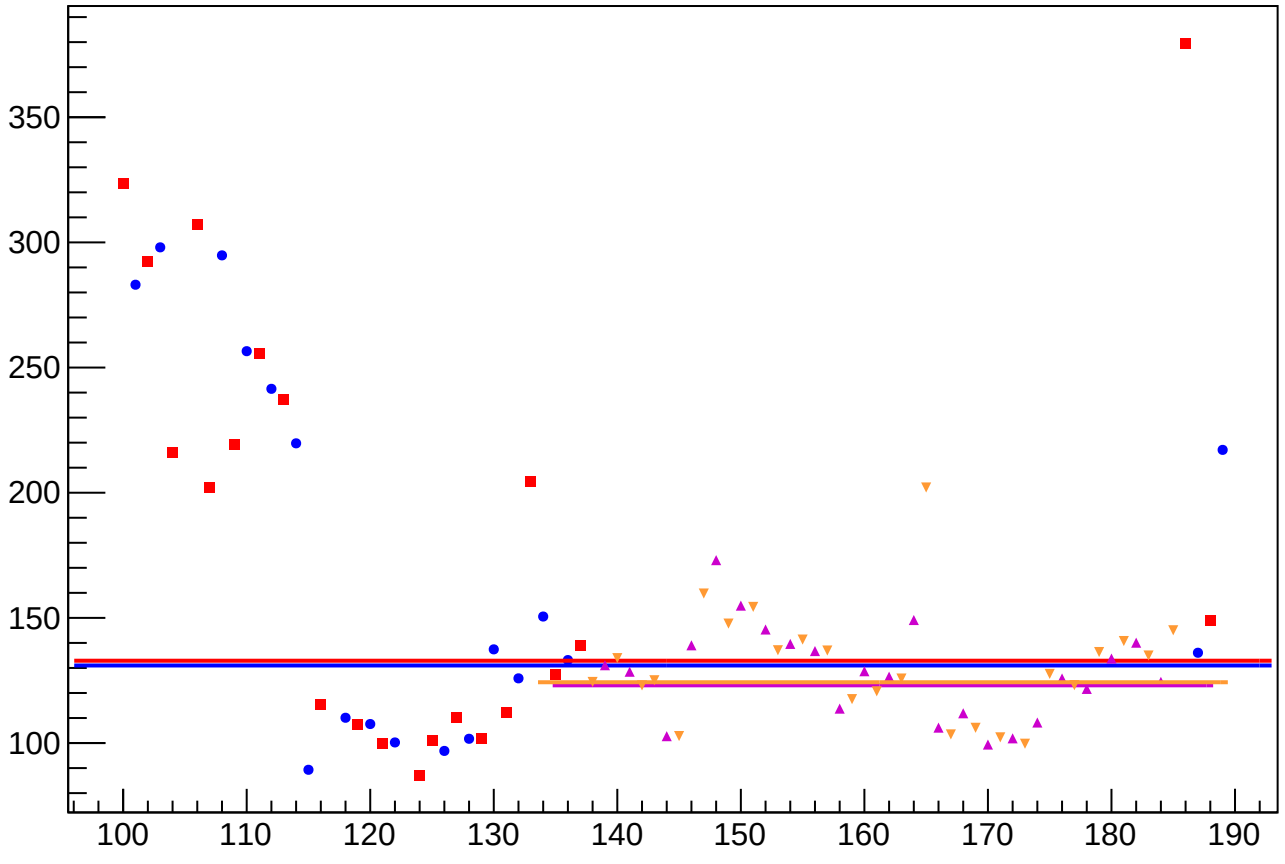
Right Out: 0.049+/-0.049 χ^2/NDF: 17.7/20

Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.031+/-0.025 χ^2/NDF: 46.5/42

All: 0.015+/-0.018 χ^2/NDF: 86.8/86

- sign -0.001+/-0.025 χ^2/NDF: 39.5/43



Right In: 130.988+/-0.036 χ^2/NDF: 1969952.3/17

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

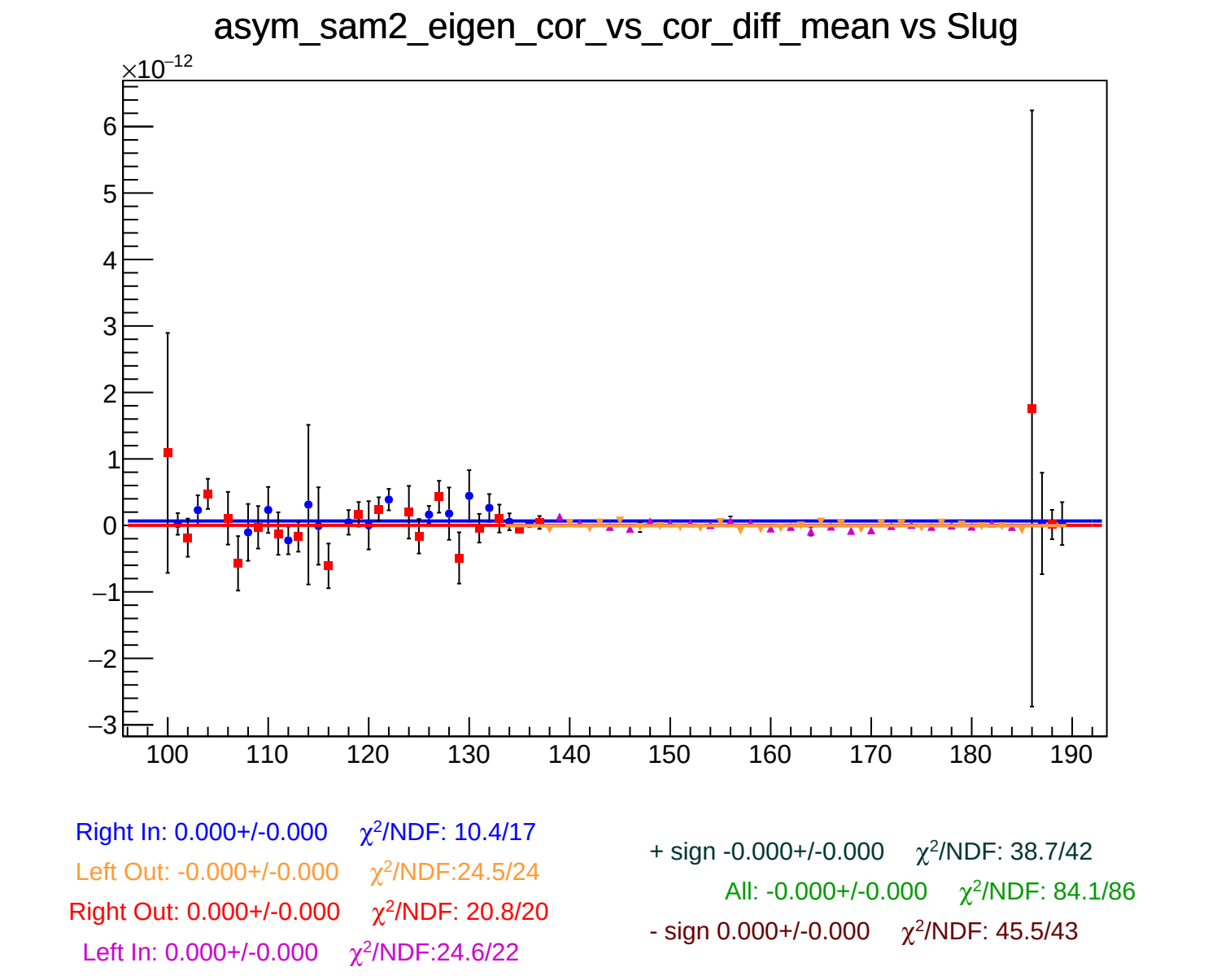
Right Out: 132.892+/-0.035 χ^2/NDF: 2232573.8/20

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

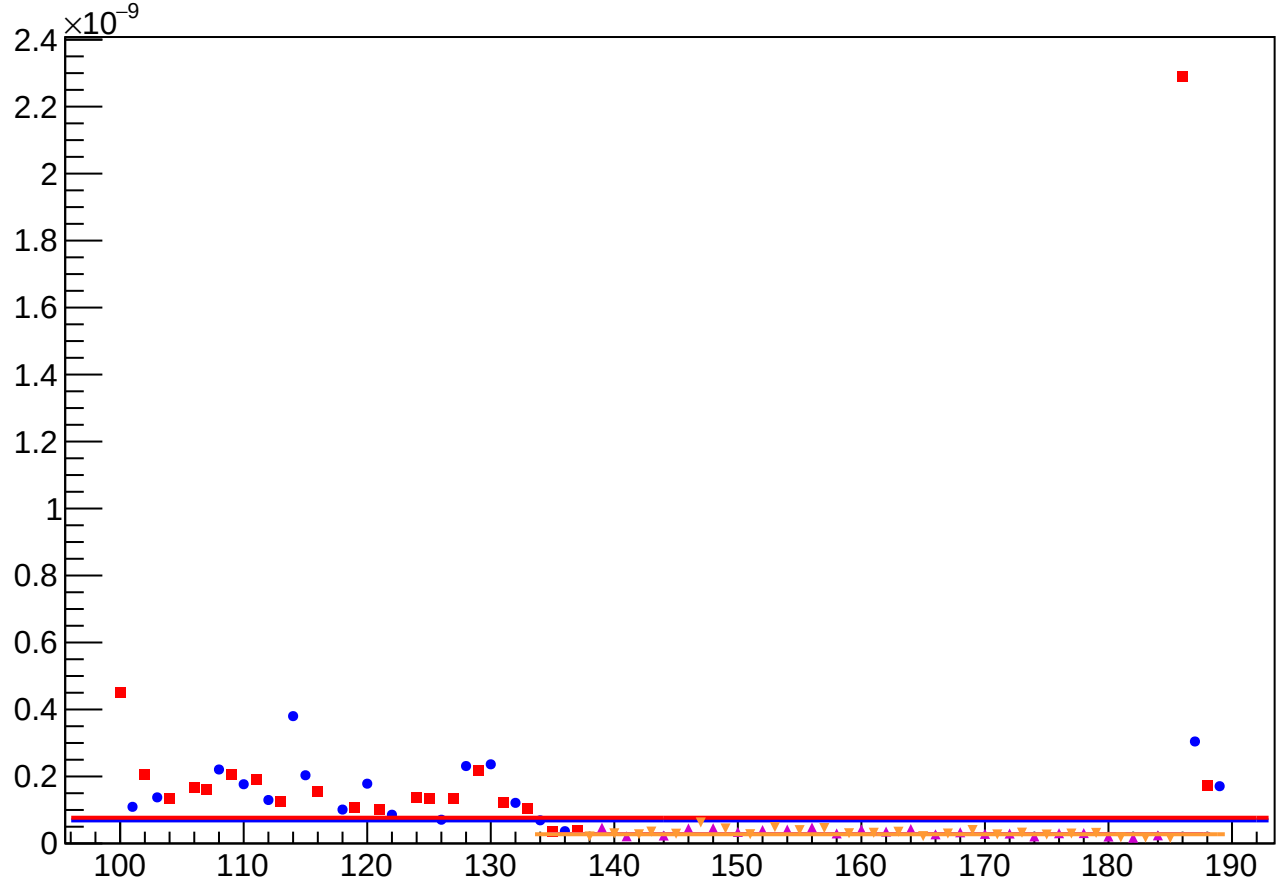
+ sign 125.929+/-0.018 χ^2/NDF: 2837654.0/42

All: 125.800+/-0.013 χ^2/NDF: 5848752.0/86

- sign 125.668+/-0.018 χ^2/NDF: 3010989.3/43


asym_sam2_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
6
5
4
3
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 10.4/17
Left Out: -0.000+/-0.000 χ²/NDF:24.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 20.8/20
Left In: 0.000+/-0.000 χ²/NDF:24.6/22
+ sign -0.000+/-0.000 χ²/NDF: 38.7/42
All: -0.000+/-0.000 χ²/NDF: 84.1/86
- sign 0.000+/-0.000 χ²/NDF: 45.5/43

asym_sam2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3577461.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:2403081.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4529998.1/20

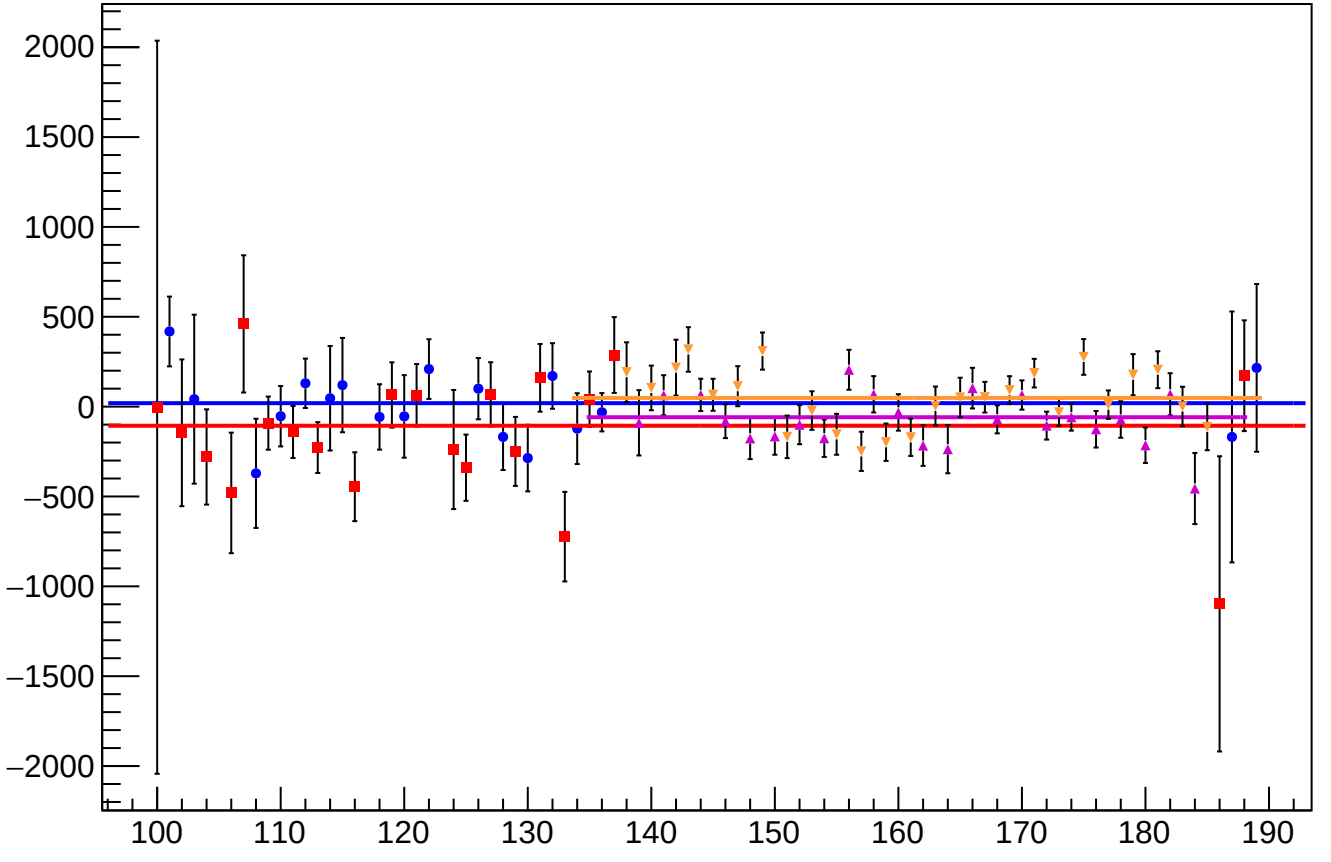
Left In: 0.000+/-0.000 χ^2/NDF:2191521.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 8509959.0/42

All: 0.000+/-0.000 χ^2/NDF: 18249796.4/86

- sign 0.000+/-0.000 χ^2/NDF: 9725744.8/43

reg_asym_sam3_mean vs Slug



Right In: 19.282+/-45.390 χ^2/NDF: 14.1/17

Left Out: 48.392+/-20.423 χ^2/NDF:53.6/24

Right Out: -106.366+/-45.258 χ^2/NDF: 27.8/20

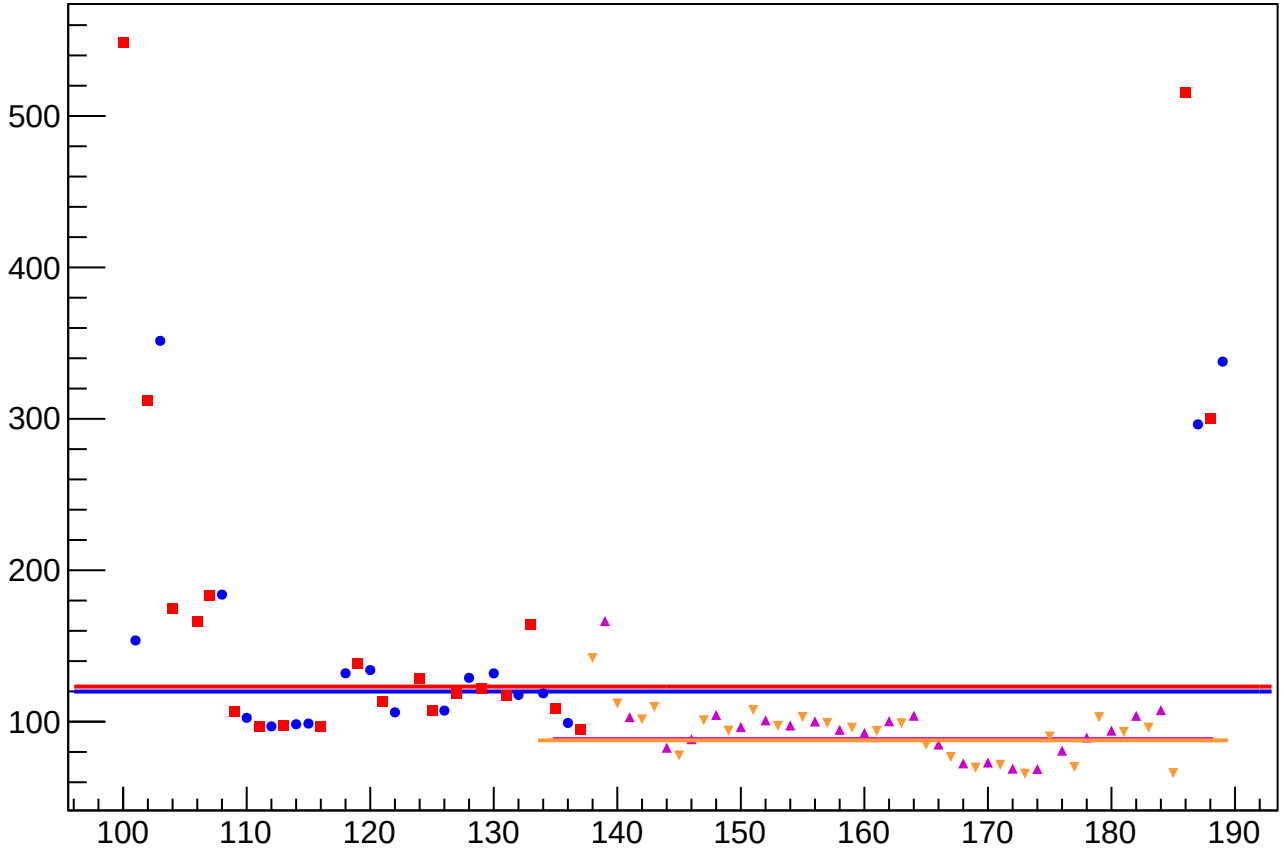
Left In: -59.014+/-21.156 χ^2/NDF:30.6/22

+ sign 43.491+/-18.625 χ^2/NDF: 68.0/42

All: -10.418+/-13.357 χ^2/NDF: 144.5/86

- sign -67.505+/-19.165 χ^2/NDF: 59.3/43

reg_asym_sam3_rms vs Slug



Right In: 119.908+/-0.032 χ^2/NDF: 1429890.0/17

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 123.193+/-0.032 χ^2/NDF: 2132479.3/20

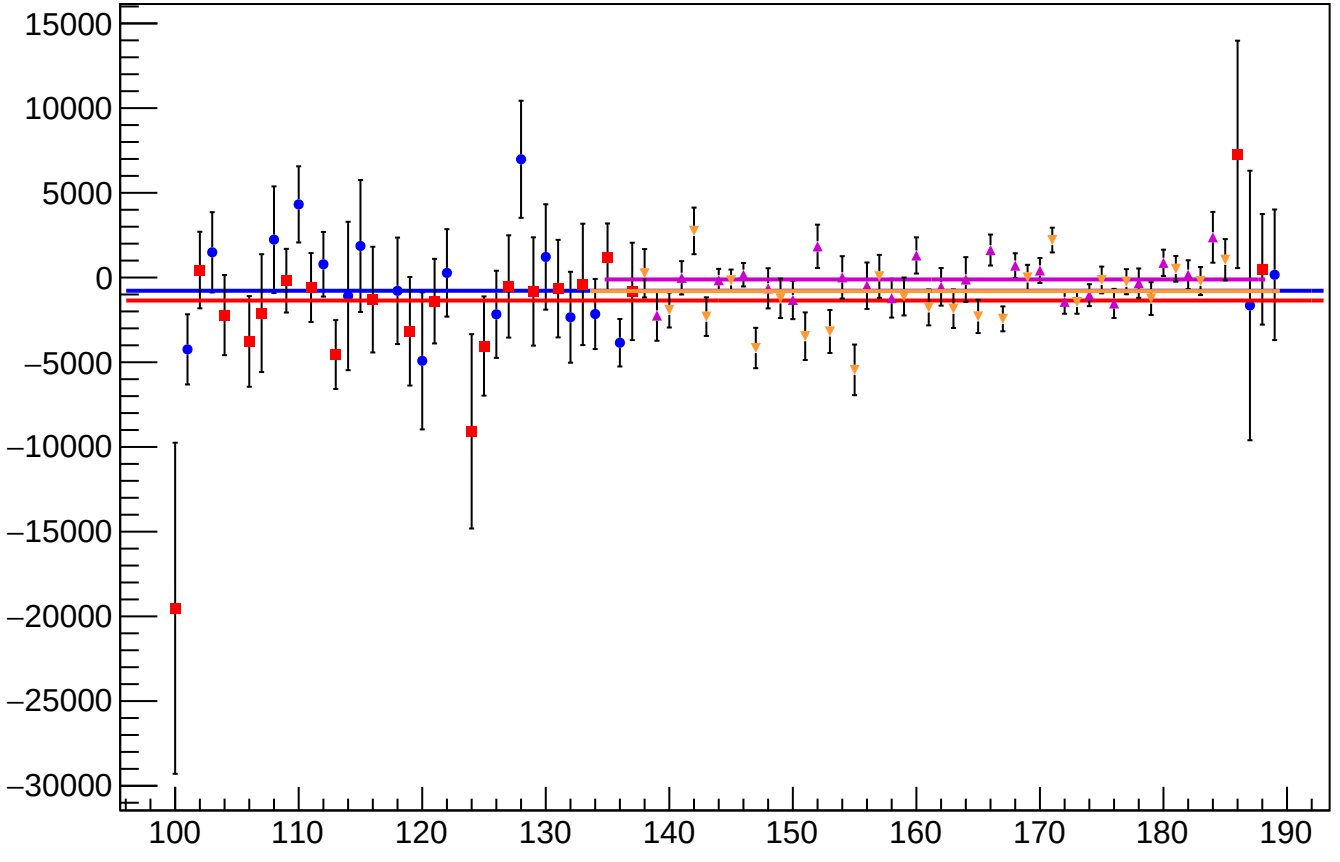
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 93.086+/-0.013 χ^2/NDF: 3482958.6/42

All: 93.873+/-0.009 χ^2/NDF: 7663932.1/86

- sign 94.707+/-0.014 χ^2/NDF: 4173615.1/43

asym_sam3_reg_correction_mean vs Slug



Right In: -780.259+/-606.516 χ^2/NDF: 23.5/17

Left Out: -801.506+/-187.755 χ^2/NDF:71.9/24

Right Out: -1356.914+/-600.148 χ^2/NDF: 14.9/20

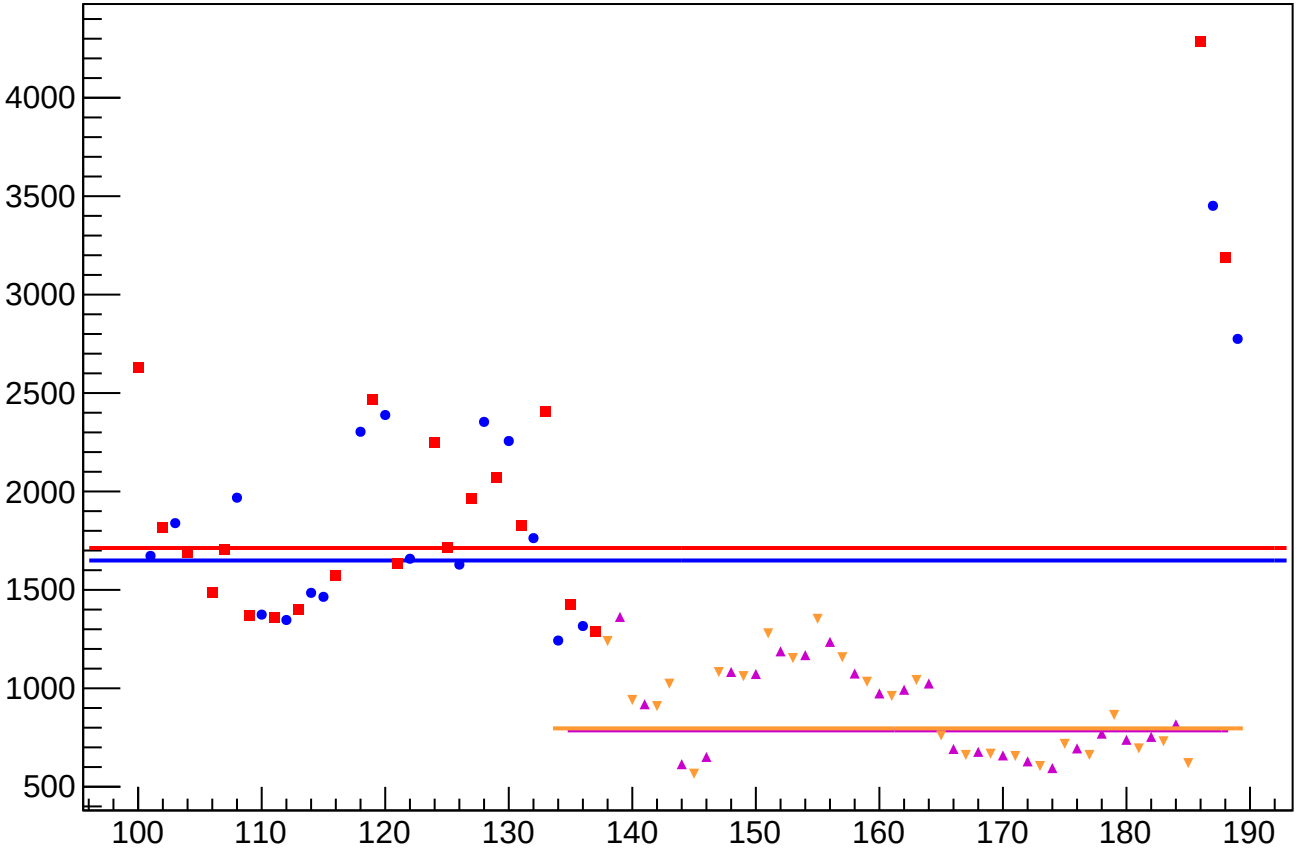
Left In: -112.483+/-190.269 χ^2/NDF:27.1/22

+ sign -799.648+/-179.358 χ^2/NDF: 95.4/42

All: -516.097+/-127.531 χ^2/NDF: 146.4/86

- sign -226.141+/-181.373 χ^2/NDF: 45.9/43

asym_sam3_reg_correction_rms vs Slug



Right In: 1649.353+/-0.429 χ^2/NDF: 900684.8/17

Left Out: 796.524+/-0.133 χ^2/NDF:2417872.0/24

Right Out: 1712.747+/-0.424 χ^2/NDF: 1251274.1/20

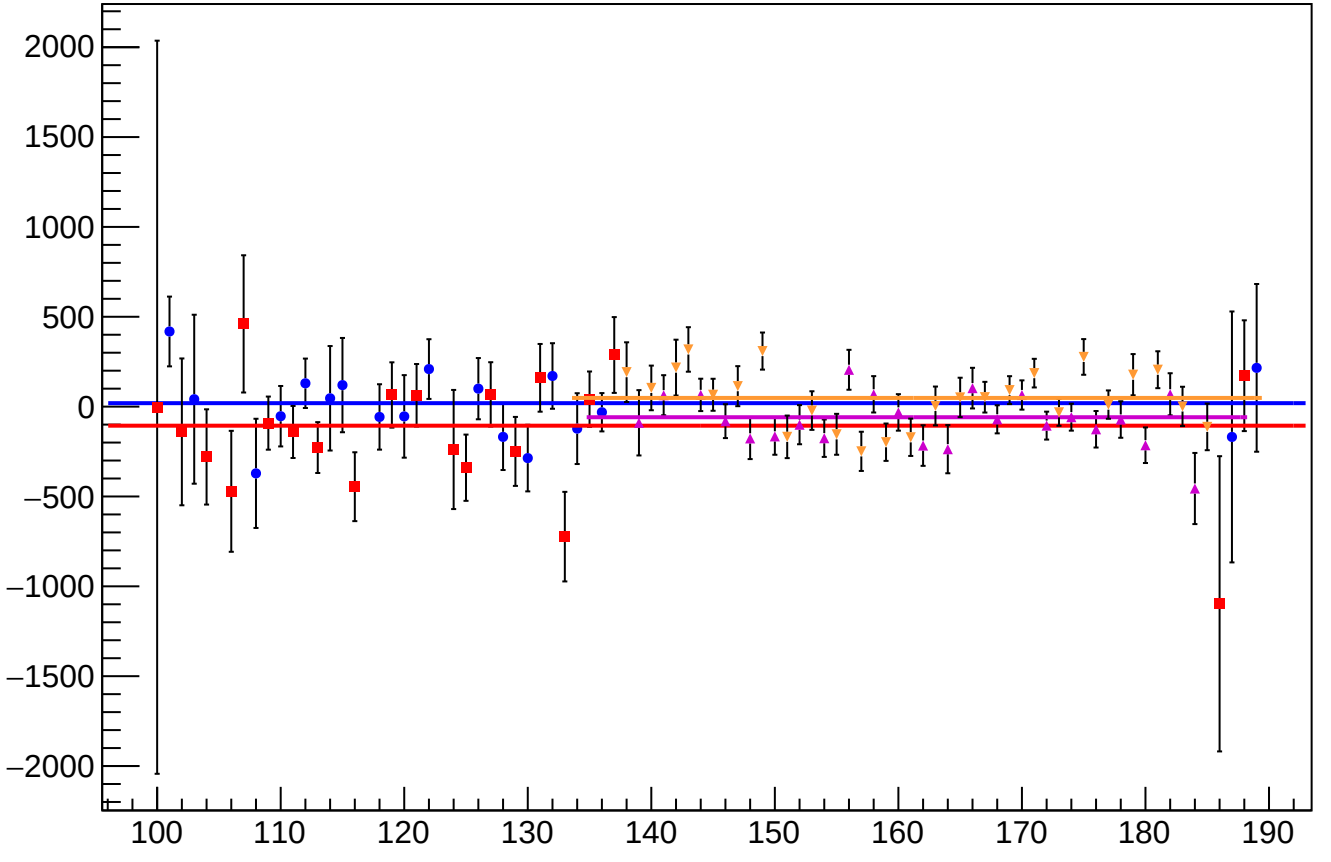
Left In: 786.336+/-0.135 χ^2/NDF:2156583.9/22

+ sign 871.103+/-0.127 χ^2/NDF: 6927062.5/42

All: 871.026+/-0.090 χ^2/NDF: 14665304.0/86

- sign 870.947+/-0.128 χ^2/NDF: 7738240.7/43

cor_asym_sam3_mean vs Slug



Right In: 19.269+/-45.390 χ^2/NDF: 14.1/17

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: -106.088+/-45.261 χ^2/NDF: 27.7/20

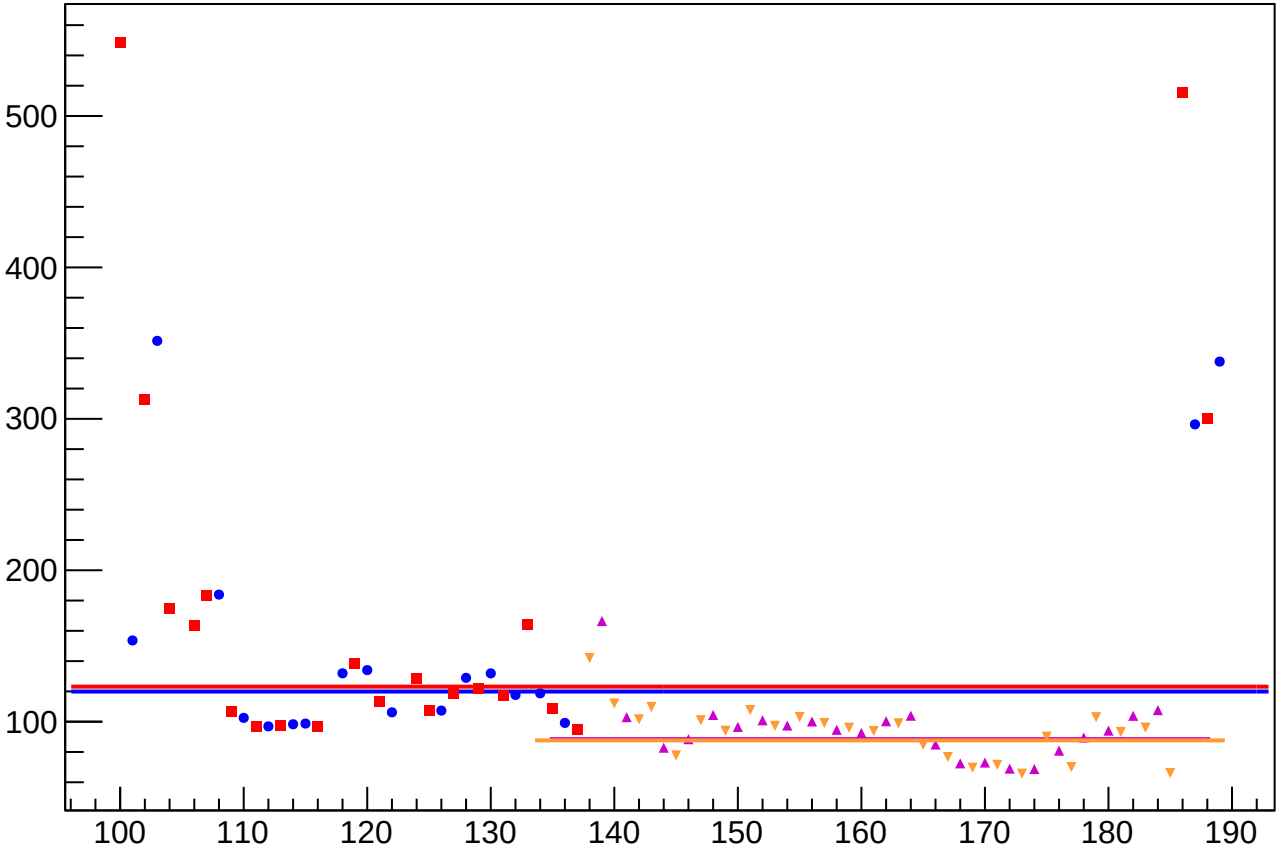
Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 43.495+/-18.625 χ^2/NDF: 68.0/42

All: -10.393+/-13.357 χ^2/NDF: 144.4/86

- sign -67.457+/-19.166 χ^2/NDF: 59.2/43

cor_asym_sam3_rms vs Slug



Right In: 119.908+/-0.032 χ^2/NDF: 1429892.1/17

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 123.143+/-0.032 χ^2/NDF: 2128788.5/20

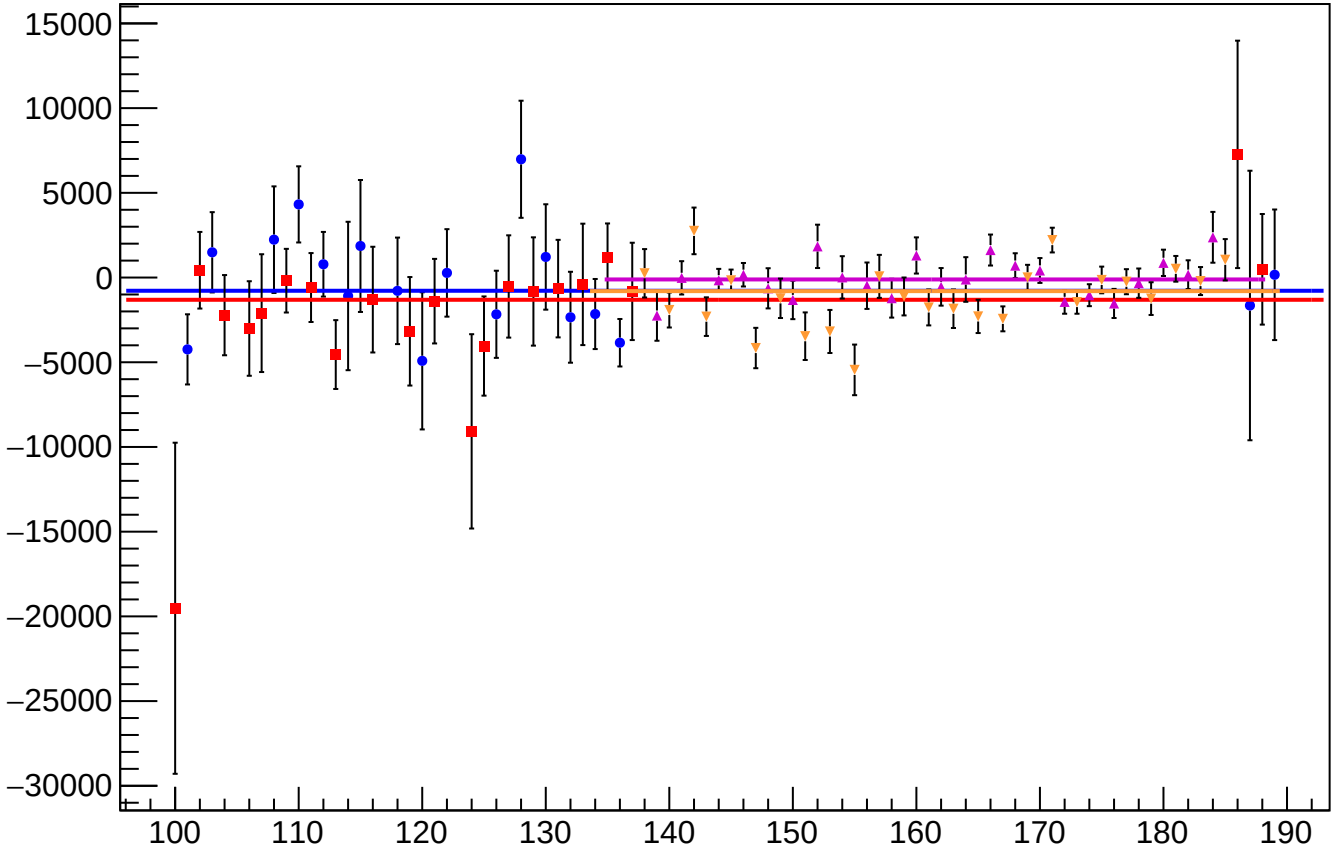
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 93.086+/-0.013 χ^2/NDF: 3482960.1/42

All: 93.869+/-0.009 χ^2/NDF: 7657283.3/86

- sign 94.697+/-0.014 χ^2/NDF: 4167051.7/43

asym_sam3_cor_correction_mean vs Slug



Right In: -780.242+/-606.520 χ^2/NDF: 23.5/17

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: -1312.776+/-601.410 χ^2/NDF: 14.4/20

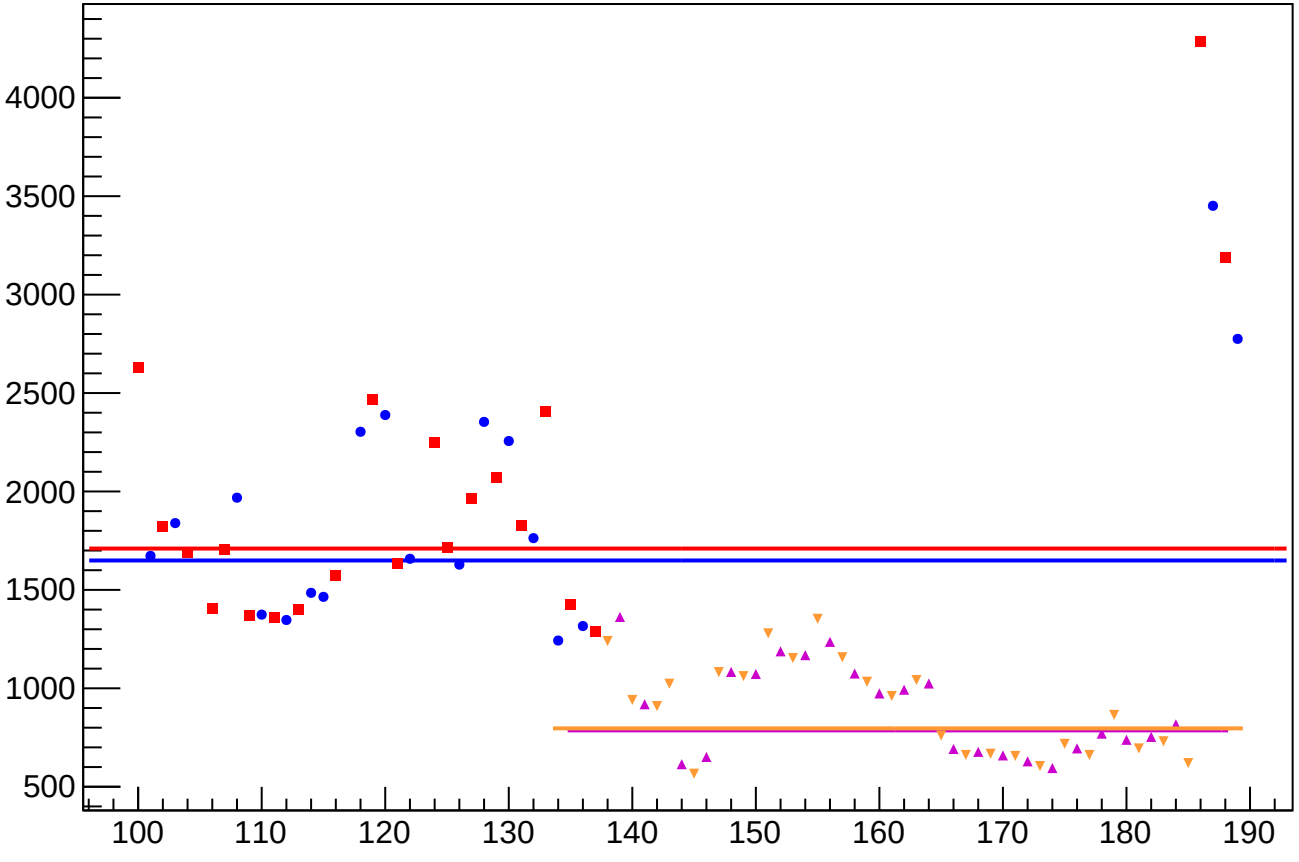
Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

+ sign -799.640+/-179.358 χ^2/NDF: 95.4/42

All: -513.949+/-127.544 χ^2/NDF: 145.7/86

- sign -221.693+/-181.407 χ^2/NDF: 45.1/43

asym_sam3_cor_correction_rms vs Slug



Right In: 1649.363+/-0.429 χ^2/NDF: 900710.4/17

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 1709.996+/-0.425 χ^2/NDF: 1261276.7/20

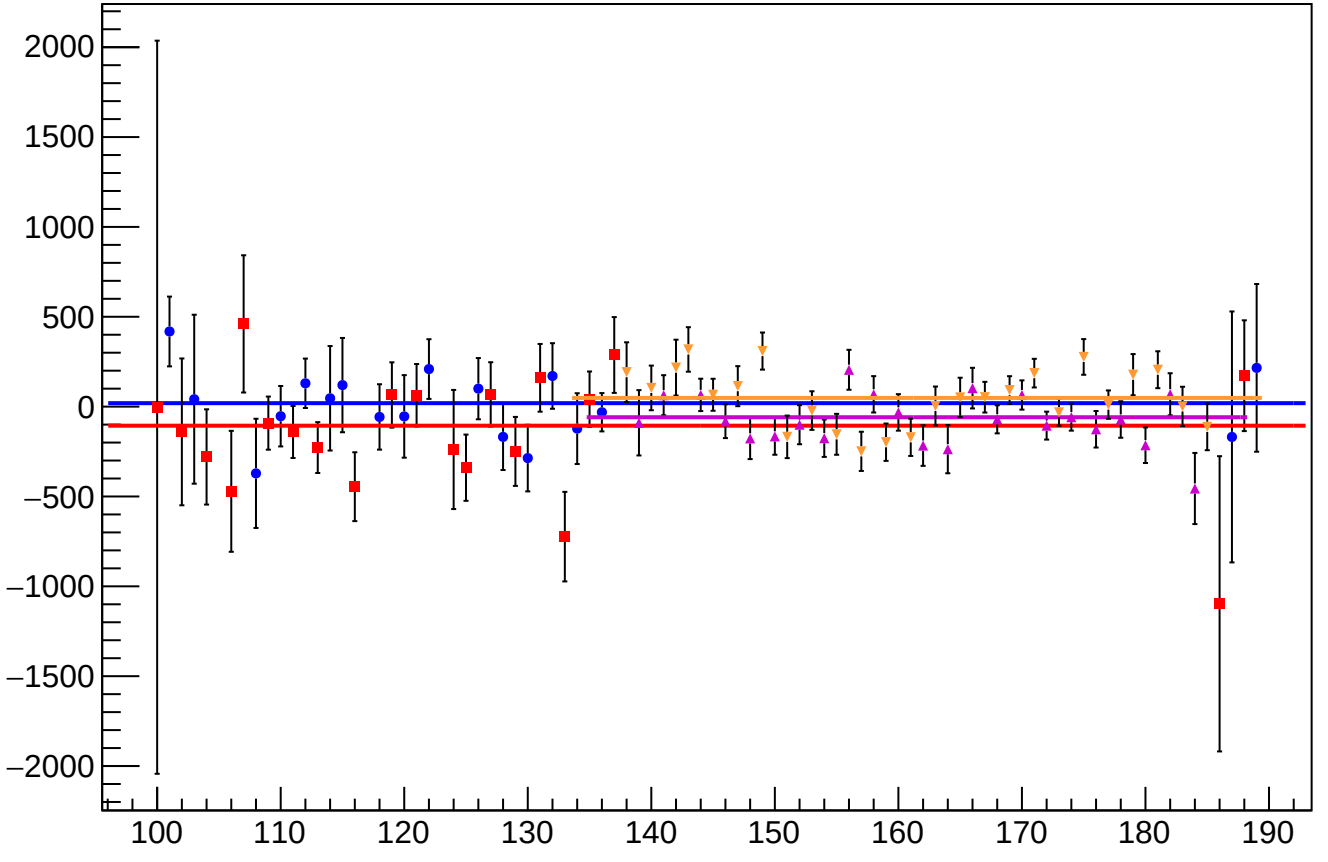
Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

+ sign 871.103+/-0.127 χ^2/NDF: 6927121.0/42

All: 870.743+/-0.090 χ^2/NDF: 14633284.2/86

- sign 870.375+/-0.128 χ^2/NDF: 7706146.9/43

eigen_cor_asym_sam3_mean vs Slug



Right In: 19.269+/-45.390 χ^2/NDF: 14.1/17

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

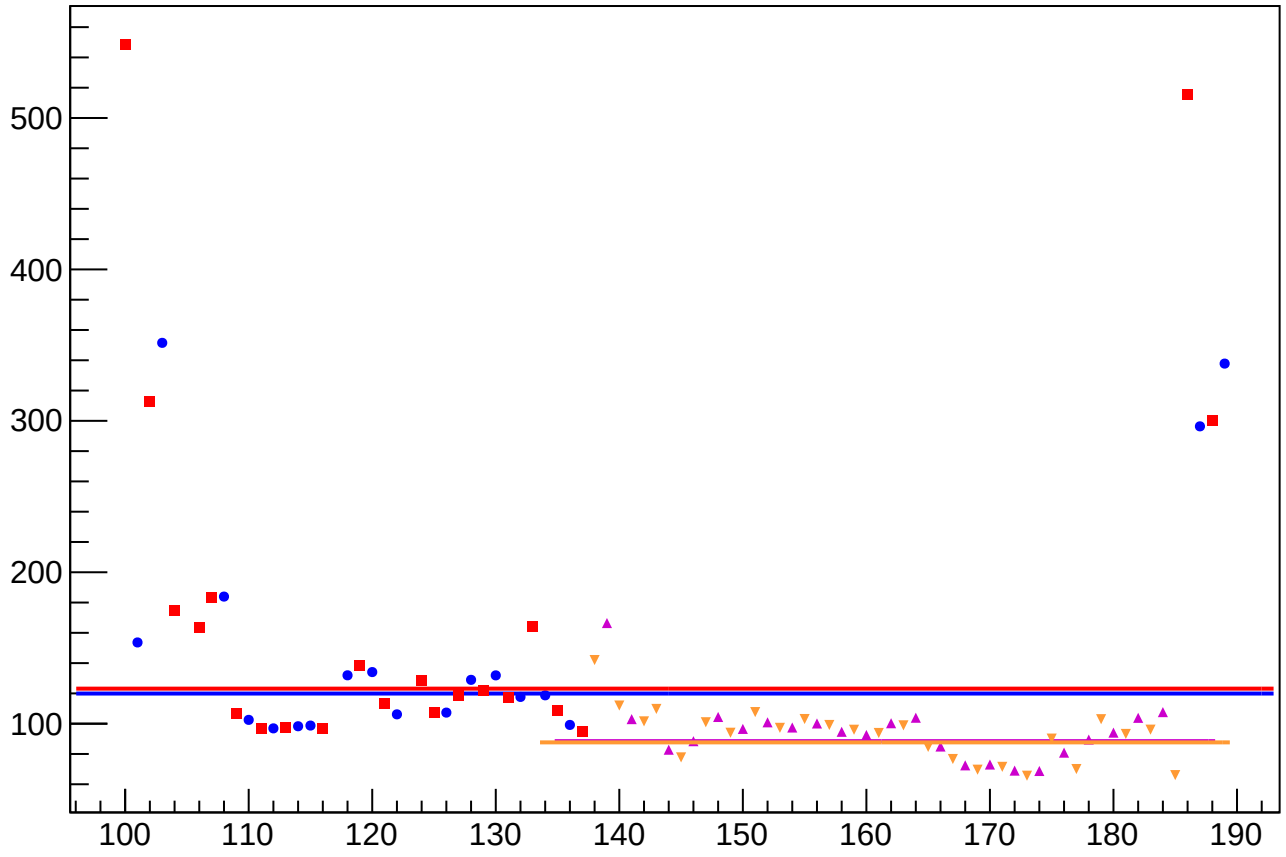
Right Out: -106.088+/-45.261 χ^2/NDF: 27.7/20

Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 43.495+/-18.625 χ^2/NDF: 68.0/42

All: -10.393+/-13.357 χ^2/NDF: 144.4/86

- sign -67.457+/-19.166 χ^2/NDF: 59.2/43



Right In: 119.908+/-0.032 χ^2/NDF: 1429892.1/17

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

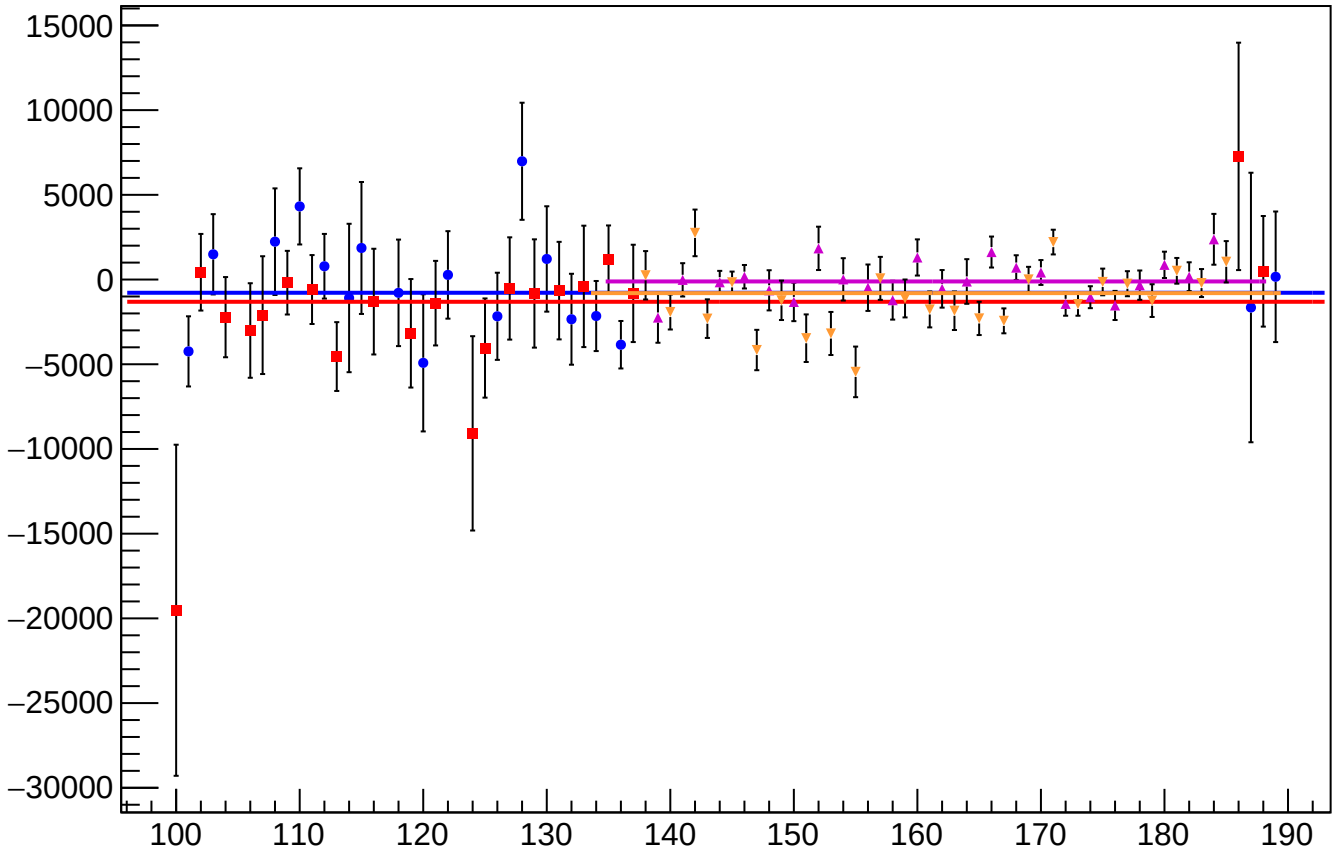
Right Out: 123.143+/-0.032 χ^2/NDF: 2128788.5/20

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

\+ sign 93.086+/-0.013 χ^2/NDF: 3482960.1/42

All: 93.869+/-0.009 χ^2/NDF: 7657283.3/86

\- sign 94.697+/-0.014 χ^2/NDF: 4167051.7/43



Right In: -780.242+/-606.520 χ^2/NDF: 23.5/17

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: -1312.776+/-601.410 χ^2/NDF: 14.4/20

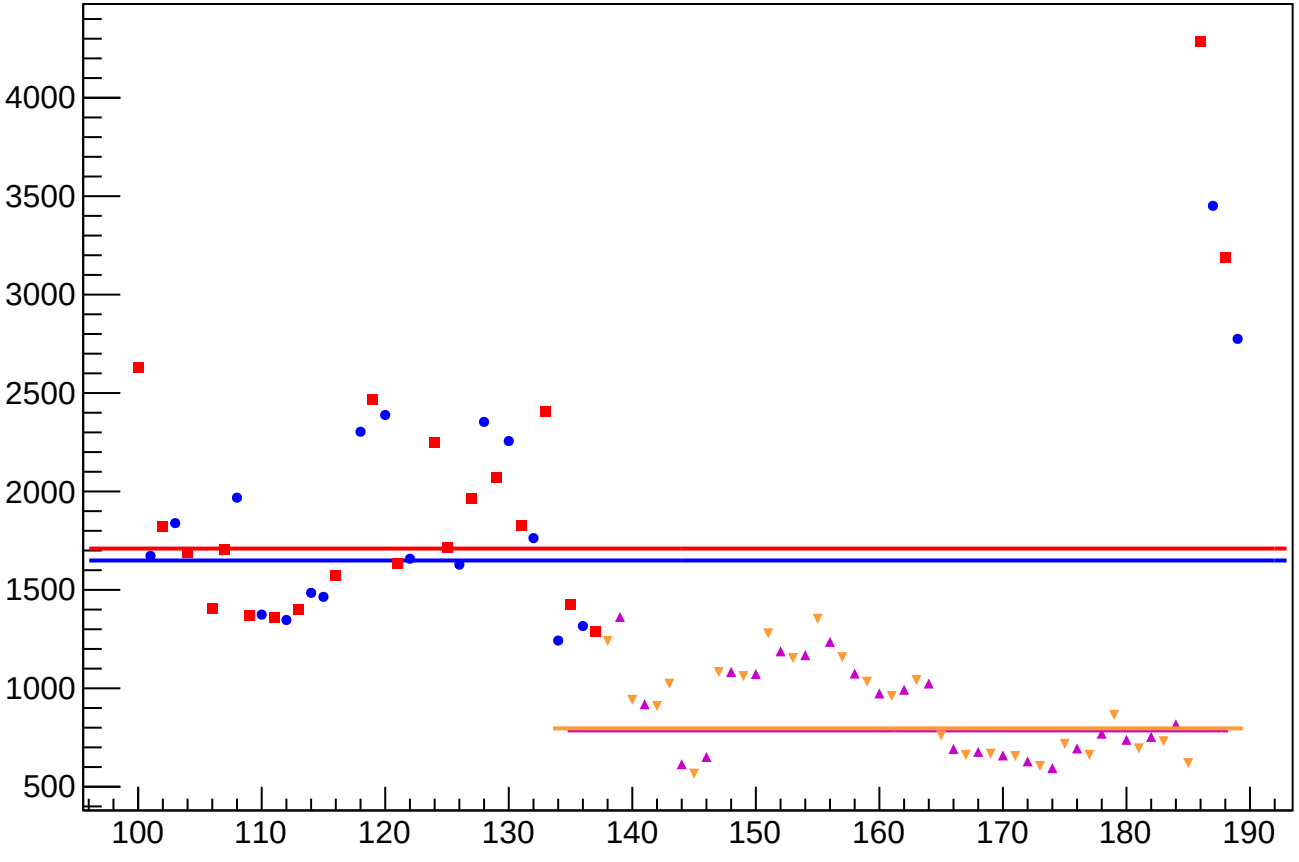
Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

+ sign -799.640+/-179.358 χ^2/NDF: 95.4/42

All: -513.949+/-127.544 χ^2/NDF: 145.7/86

- sign -221.693+/-181.407 χ^2/NDF: 45.1/43

asym_sam3_eigen_cor_correction_rms vs Slug



Right In: 1649.363+/-0.429 χ^2/NDF: 900710.4/17

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 1709.996+/-0.425 χ^2/NDF: 1261276.7/20

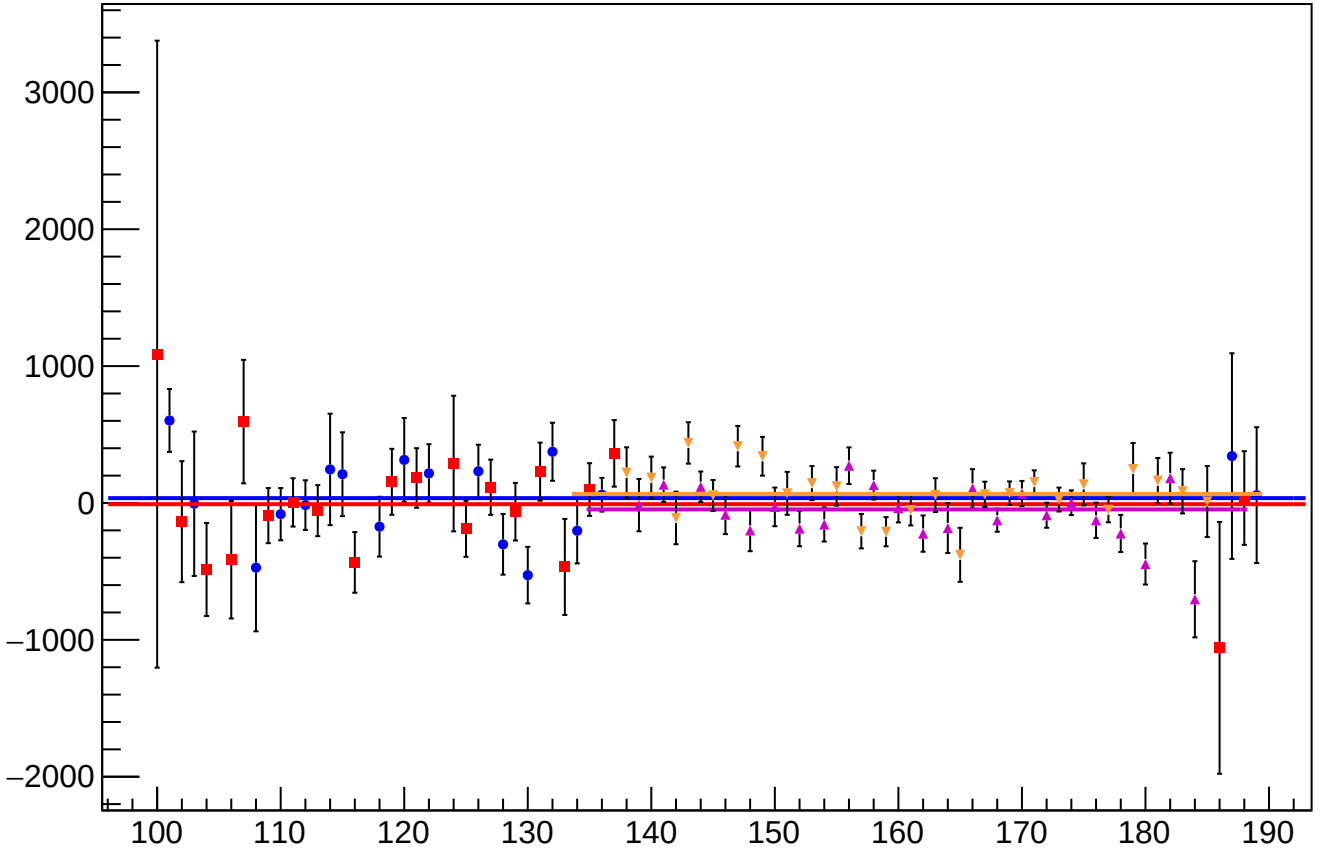
Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

+ sign 871.103+/-0.127 χ^2/NDF: 6927121.0/42

All: 870.743+/-0.090 χ^2/NDF: 14633284.2/86

- sign 870.375+/-0.128 χ^2/NDF: 7706146.9/43

dit_asym_sam3_mean vs Slug



Right In: 35.380+/-54.431 χ^2/NDF: 25.3/17

Left Out: 65.702+/-25.059 χ^2/NDF:40.0/24

Right Out: -8.797+/-55.251 χ^2/NDF: 18.6/20

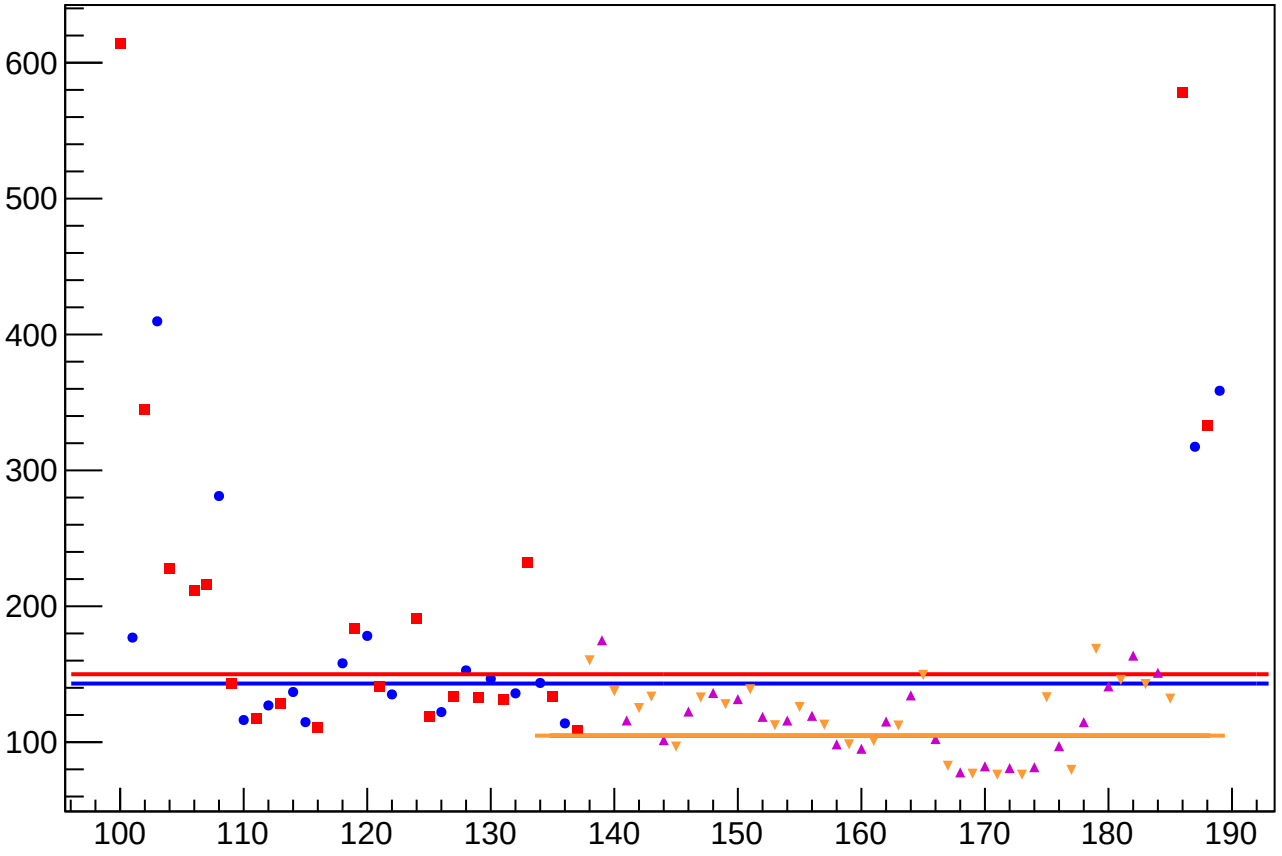
Left In: -47.039+/-25.696 χ^2/NDF:38.6/22

+ sign 60.399+/-22.763 χ^2/NDF: 65.6/42

All: 11.253+/-16.282 χ^2/NDF: 132.8/86

- sign -40.238+/-23.300 χ^2/NDF: 57.7/43

dit_asym_sam3_rms vs Slug



Right In: 143.134+/-0.038 χ^2/NDF: 1469701.6/17

Left Out: 104.810+/-0.018 χ^2/NDF:2242795.3/24

Right Out: 149.991+/-0.039 χ^2/NDF: 2149578.3/20

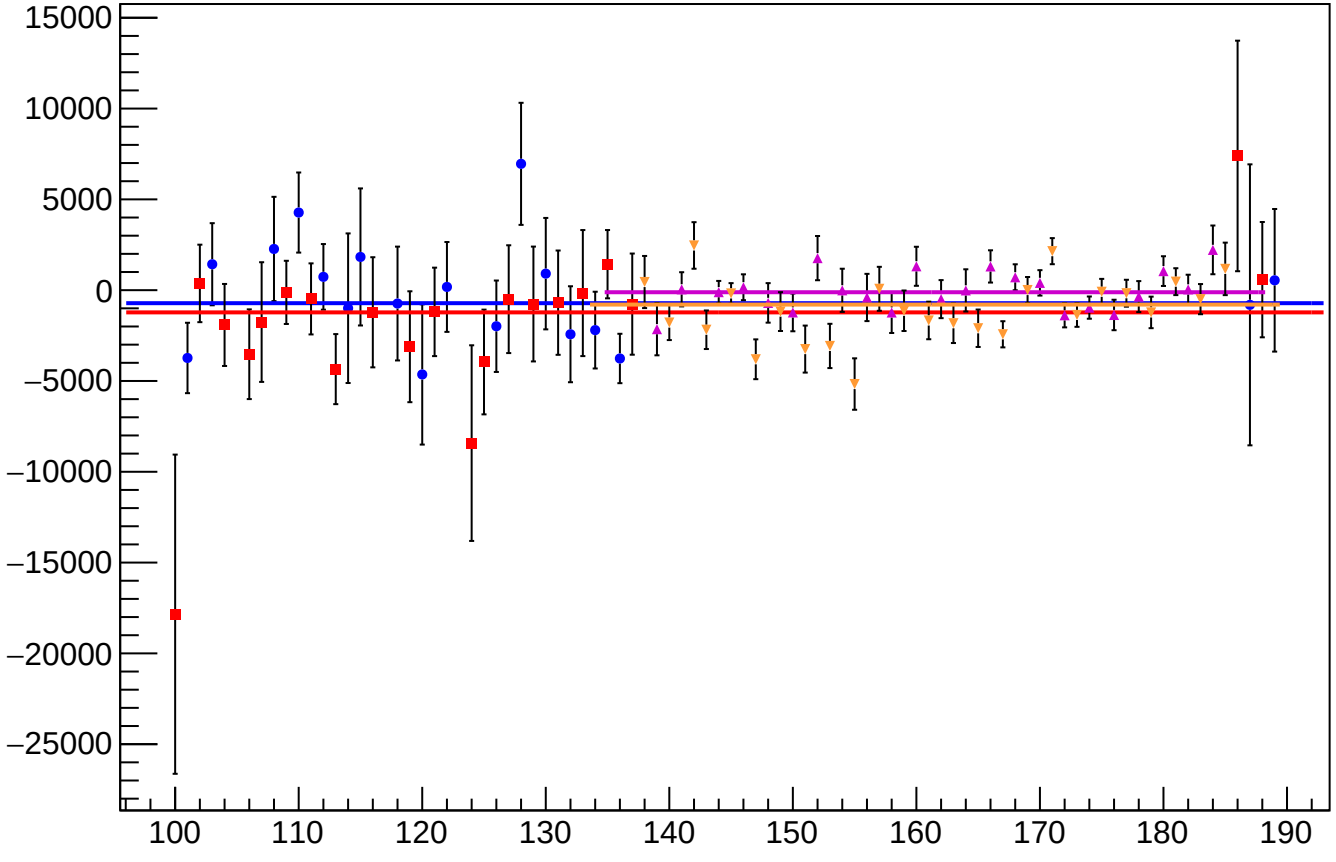
Left In: 104.835+/-0.018 χ^2/NDF:1614476.5/22

+ sign 111.512+/-0.016 χ^2/NDF: 4530581.0/42

All: 112.173+/-0.012 χ^2/NDF: 9396450.6/86

- sign 112.865+/-0.016 χ^2/NDF: 4862421.5/43

asym_sam3_dit_correction_mean vs Slug



Right In: -716.211+/-587.366 χ^2/NDF: 23.6/17

Left Out: -793.070+/-179.897 χ^2/NDF:70.0/24

Right Out: -1223.164+/-573.726 χ^2/NDF: 15.8/20

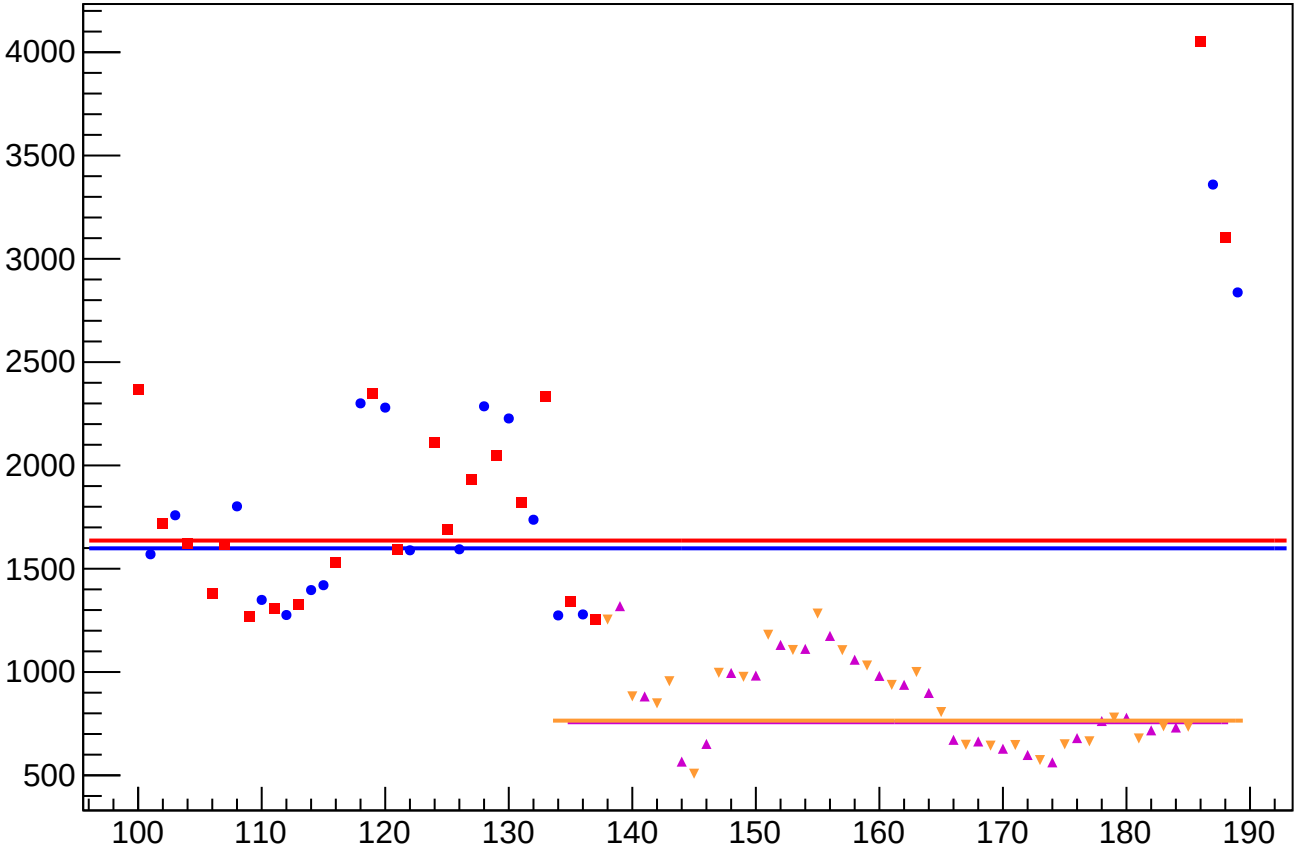
Left In: -113.680+/-183.126 χ^2/NDF:26.3/22

+ sign -786.479+/-172.010 χ^2/NDF: 93.6/42

All: -505.394+/-122.484 χ^2/NDF: 144.5/86

- sign -216.263+/-174.454 χ^2/NDF: 45.4/43

asym_sam3_dit_correction_rms vs Slug



Right In: 1598.703+/-0.415 χ^2/NDF: 915427.2/17

Left Out: 764.734+/-0.127 χ^2/NDF:2425556.5/24

Right Out: 1636.346+/-0.406 χ^2/NDF: 1309784.1/20

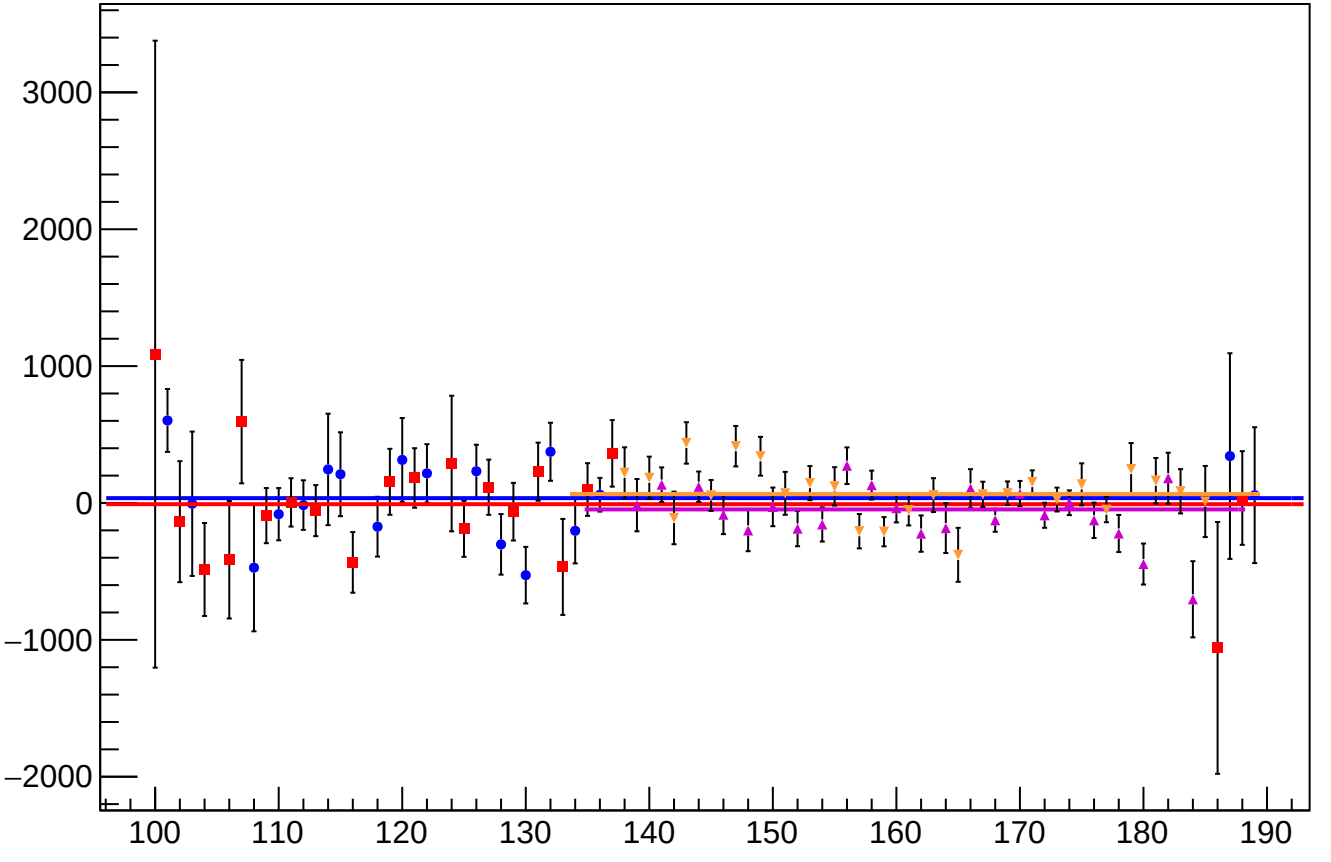
Left In: 756.927+/-0.129 χ^2/NDF:2115280.1/22

+ sign 836.256+/-0.122 χ^2/NDF: 7027129.4/42

All: 837.233+/-0.087 χ^2/NDF: 14716925.6/86

- sign 838.238+/-0.123 χ^2/NDF: 7689665.3/43

eigen_dit_asym_sam3_mean vs Slug



Right In: 35.378+/-54.431 χ^2/NDF: 25.3/17

Left Out: 65.703+/-25.059 χ^2/NDF:40.0/24

Right Out: -8.793+/-55.252 χ^2/NDF: 18.6/20

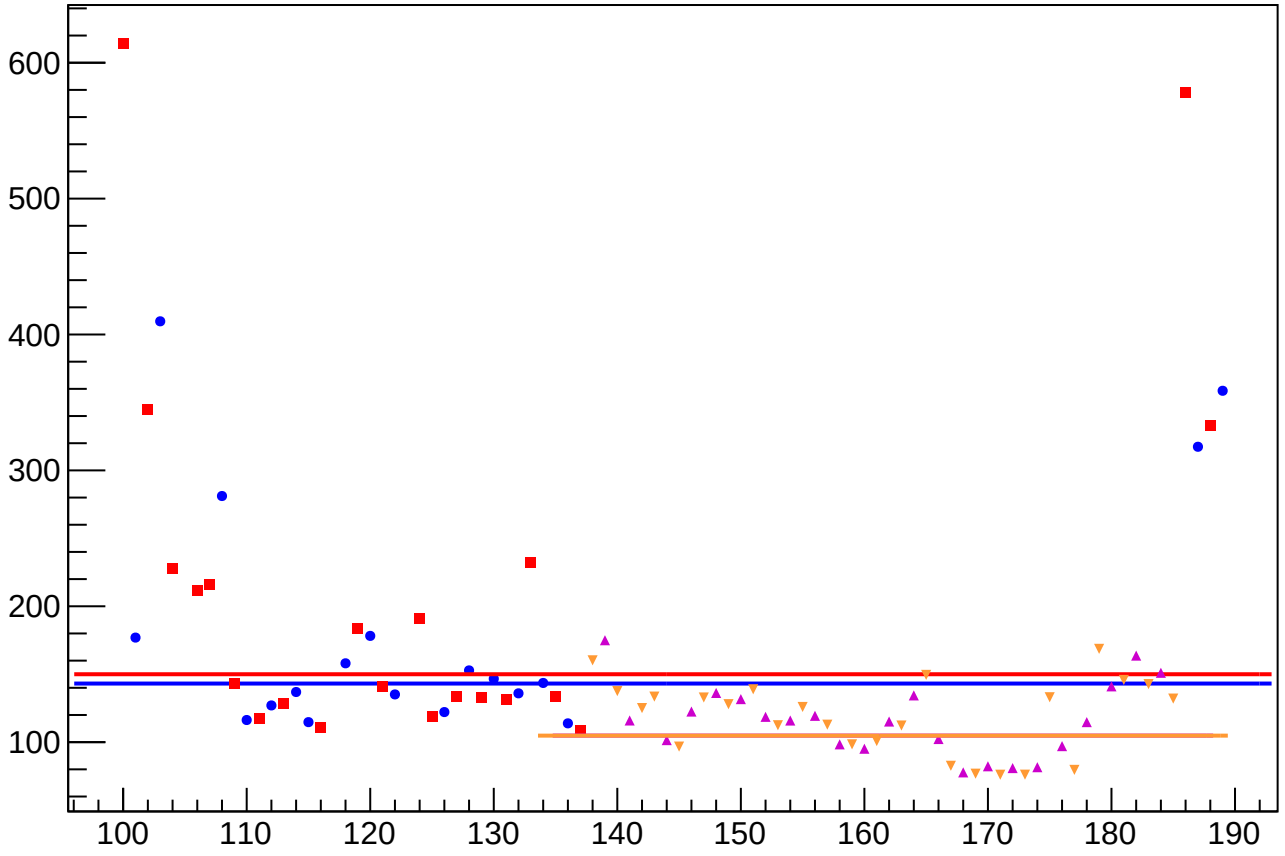
Left In: -47.038+/-25.696 χ^2/NDF:38.6/22

+ sign 60.399+/-22.763 χ^2/NDF: 65.6/42

All: 11.254+/-16.282 χ^2/NDF: 132.8/86

- sign -40.237+/-23.300 χ^2/NDF: 57.7/43

eigen_dit_asym_sam3_rms vs Slug



Right In: 143.135+/-0.038 χ^2/NDF: 1469703.7/17

Left Out: 104.810+/-0.018 χ^2/NDF:2242815.0/24

Right Out: 149.992+/-0.039 χ^2/NDF: 2149588.4/20

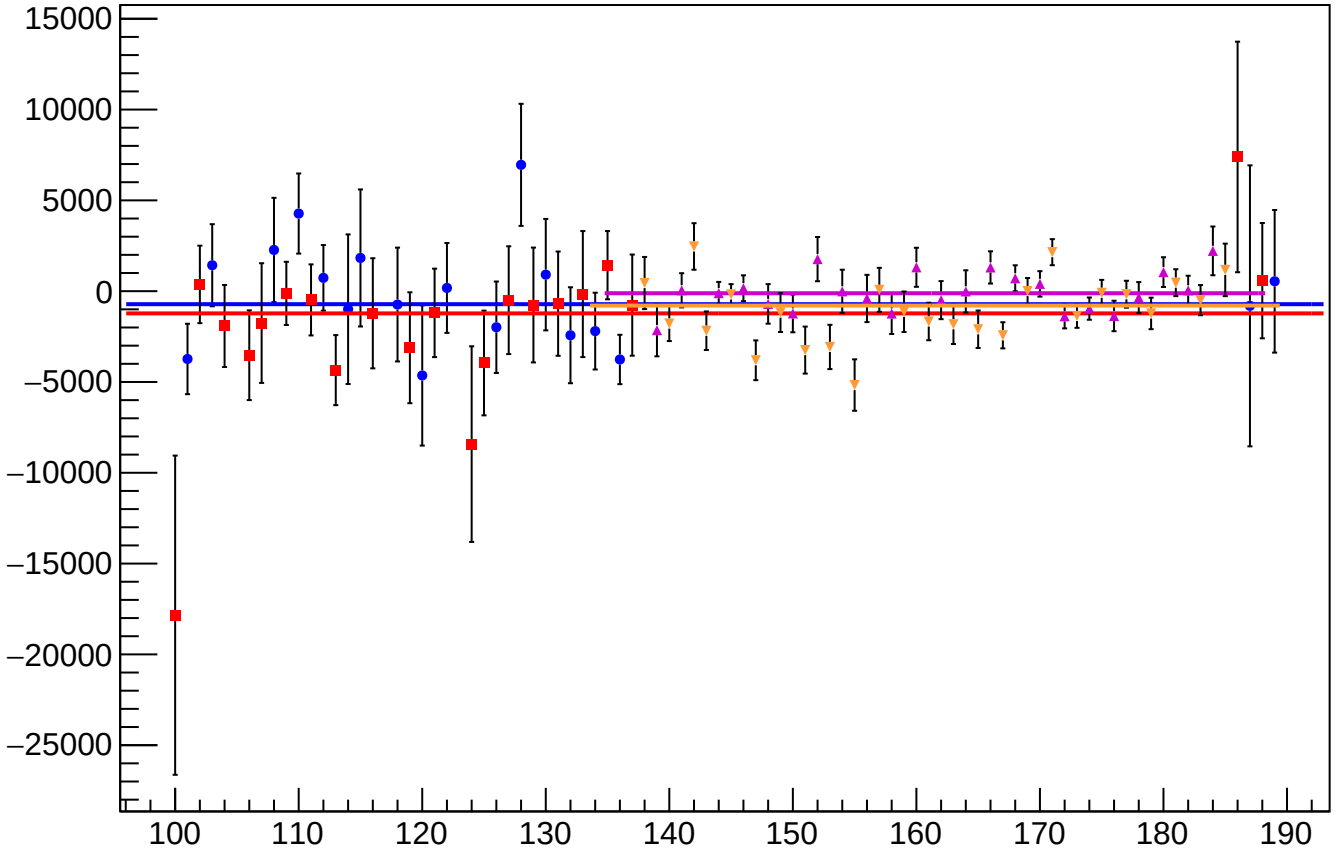
Left In: 104.835+/-0.018 χ^2/NDF:1614484.2/22

+ sign 111.513+/-0.016 χ^2/NDF: 4530597.4/42

All: 112.173+/-0.012 χ^2/NDF: 9396486.7/86

- sign 112.865+/-0.016 χ^2/NDF: 4862441.2/43

asym_sam3_eigen_dit_correction_mean vs Slug



Right In: -716.209+/-587.365 χ^2/NDF: 23.6/17

Left Out: -793.071+/-179.896 χ^2/NDF:70.0/24

Right Out: -1223.164+/-573.725 χ^2/NDF: 15.8/20

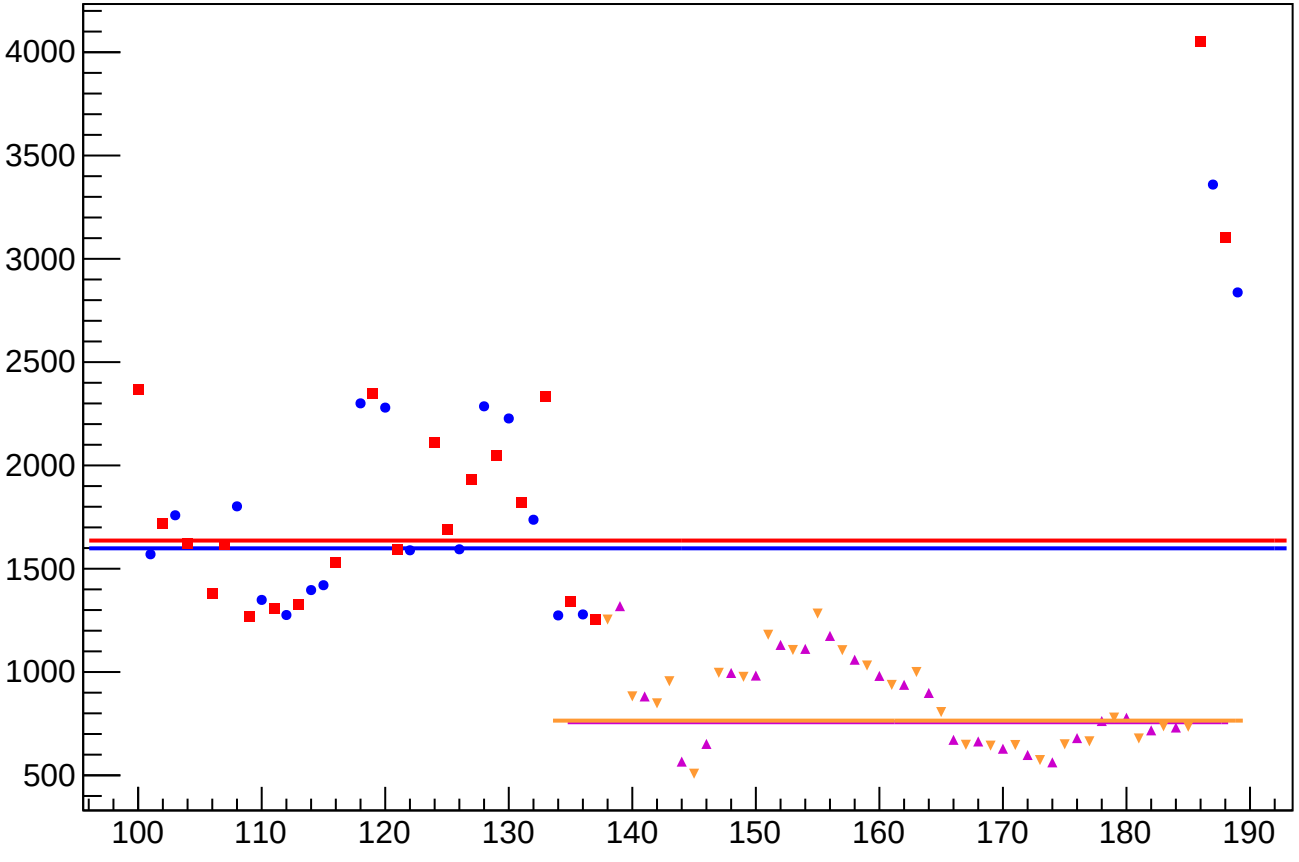
Left In: -113.680+/-183.125 χ^2/NDF:26.3/22

+ sign -786.479+/-172.010 χ^2/NDF: 93.6/42

All: -505.395+/-122.484 χ^2/NDF: 144.5/86

- sign -216.263+/-174.454 χ^2/NDF: 45.4/43

asym_sam3_eigen_dit_correction_rms vs Slug



Right In: 1598.702+/-0.415 χ^2/NDF: 915427.6/17

Left Out: 764.734+/-0.127 χ^2/NDF:2425549.9/24

Right Out: 1636.344+/-0.406 χ^2/NDF: 1309780.9/20

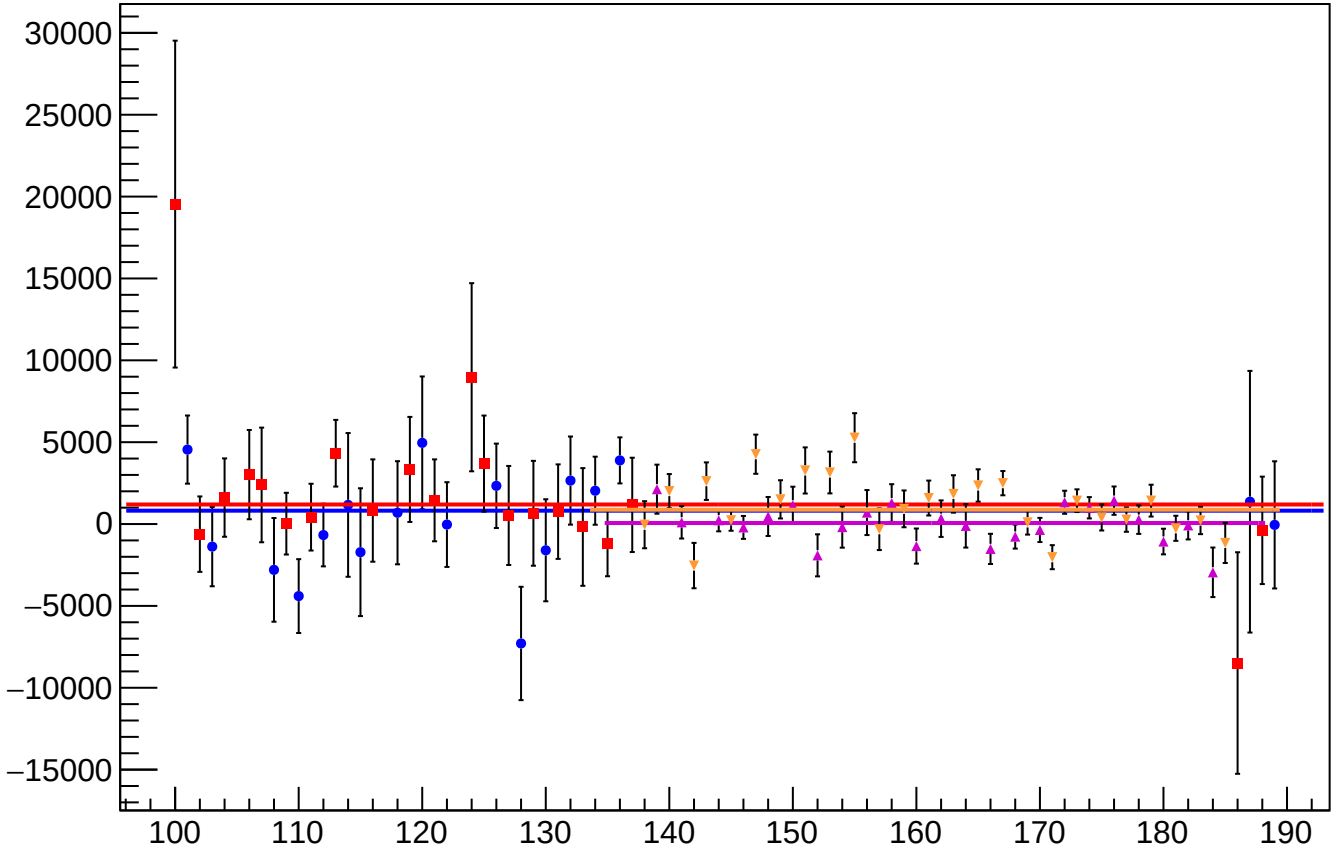
Left In: 756.926+/-0.129 χ^2/NDF:2115275.0/22

+ sign 836.255+/-0.122 χ^2/NDF: 7027121.3/42

All: 837.232+/-0.087 χ^2/NDF: 14716905.6/86

- sign 838.237+/-0.123 χ^2/NDF: 7689653.4/43

asym_sam3_mean vs Slug



Right In: 816.754+/-609.295 χ^2/NDF: 25.0/17

Left Out: 876.482+/-188.998 χ^2/NDF:67.3/24

Right Out: 1193.438+/-603.414 χ^2/NDF: 14.4/20

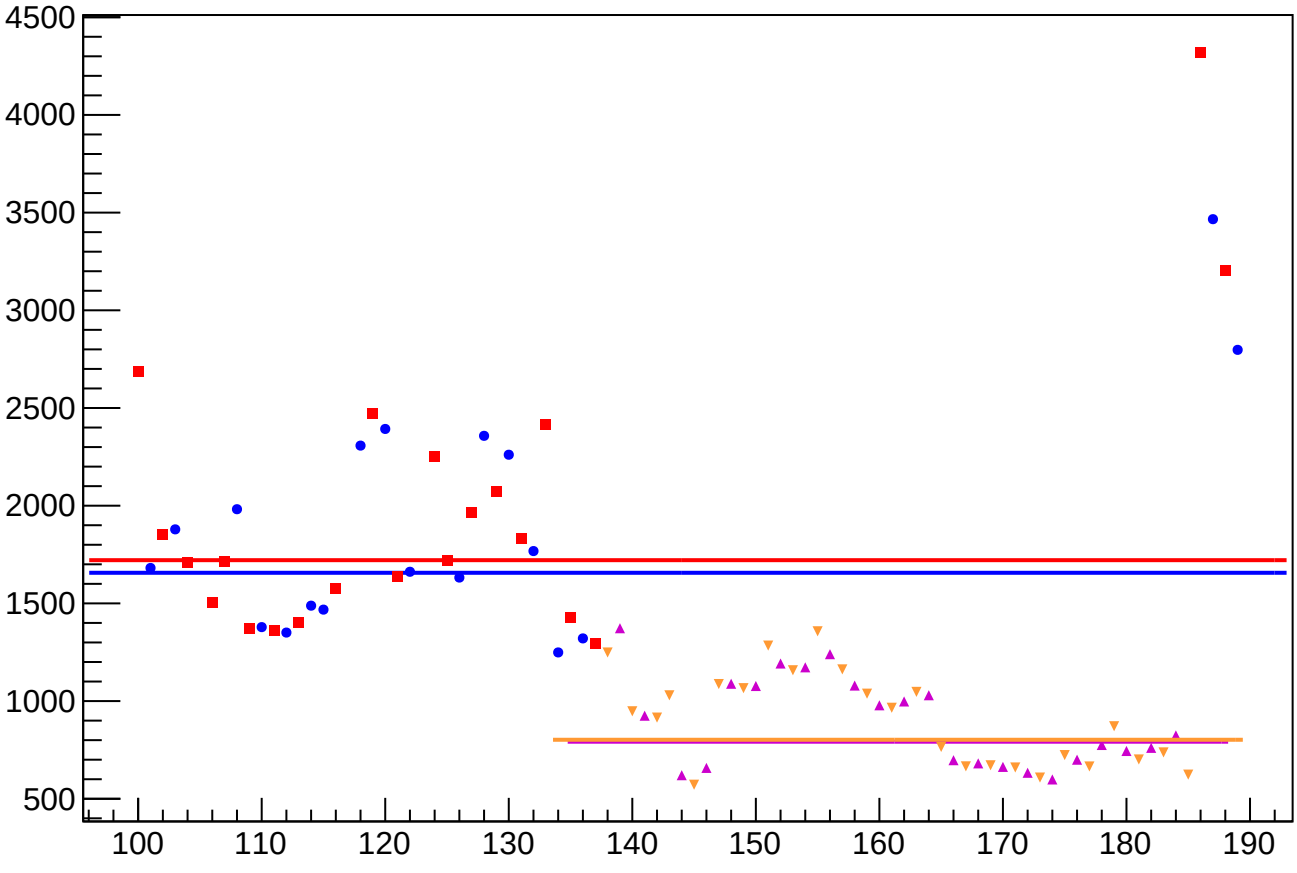
Left In: 62.754+/-191.596 χ^2/NDF:27.1/22

+ sign 871.240+/-180.513 χ^2/NDF: 92.2/42

All: 522.848+/-128.378 χ^2/NDF: 144.5/86

- sign 166.308+/-182.612 χ^2/NDF: 44.7/43

asym_sam3_rms vs Slug



Right In: 1656.615+/-0.431 χ^2/NDF: 905734.2/17

Left Out: 802.014+/-0.134 χ^2/NDF:2396024.4/24

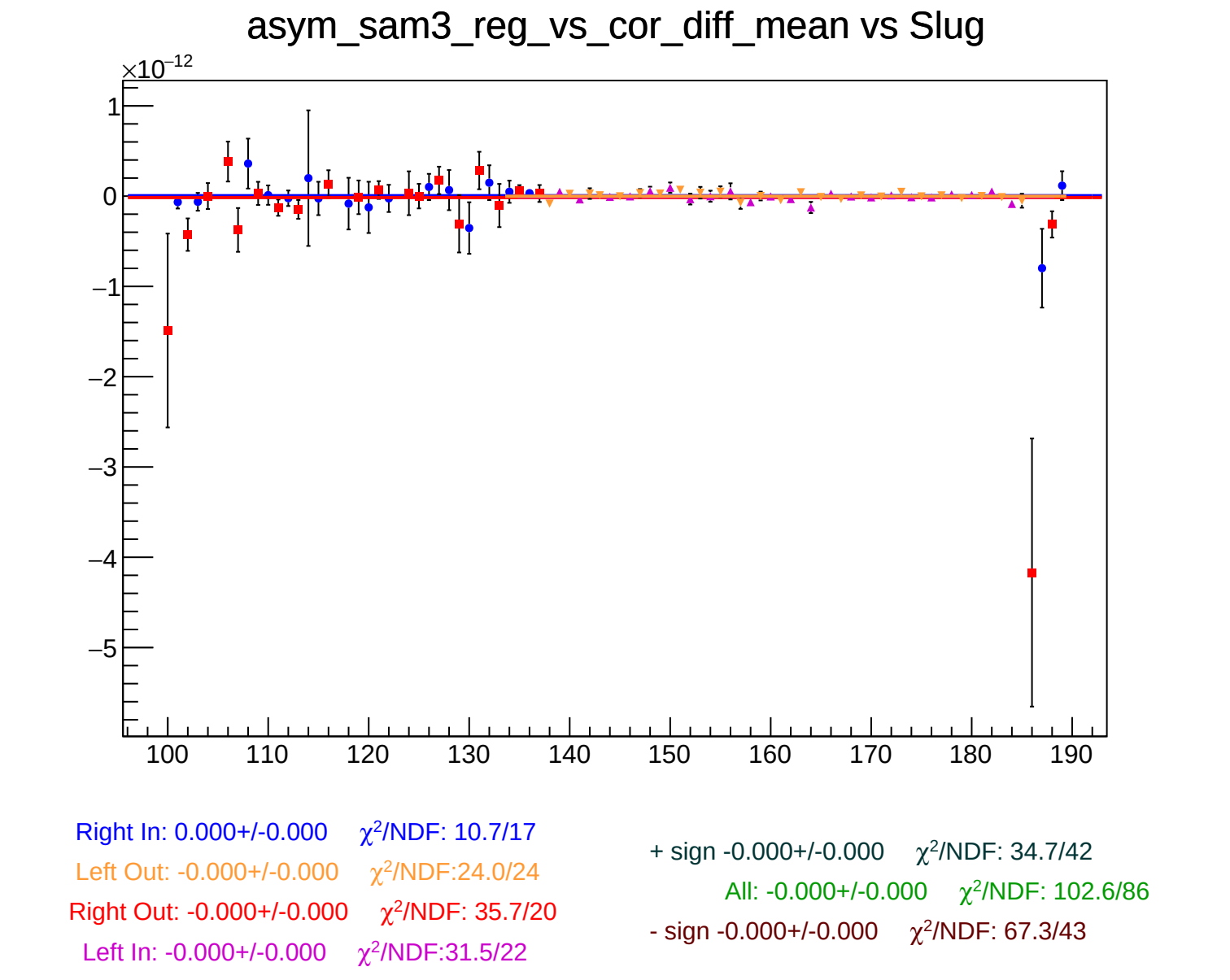
Right Out: 1721.156+/-0.427 χ^2/NDF: 1256367.1/20

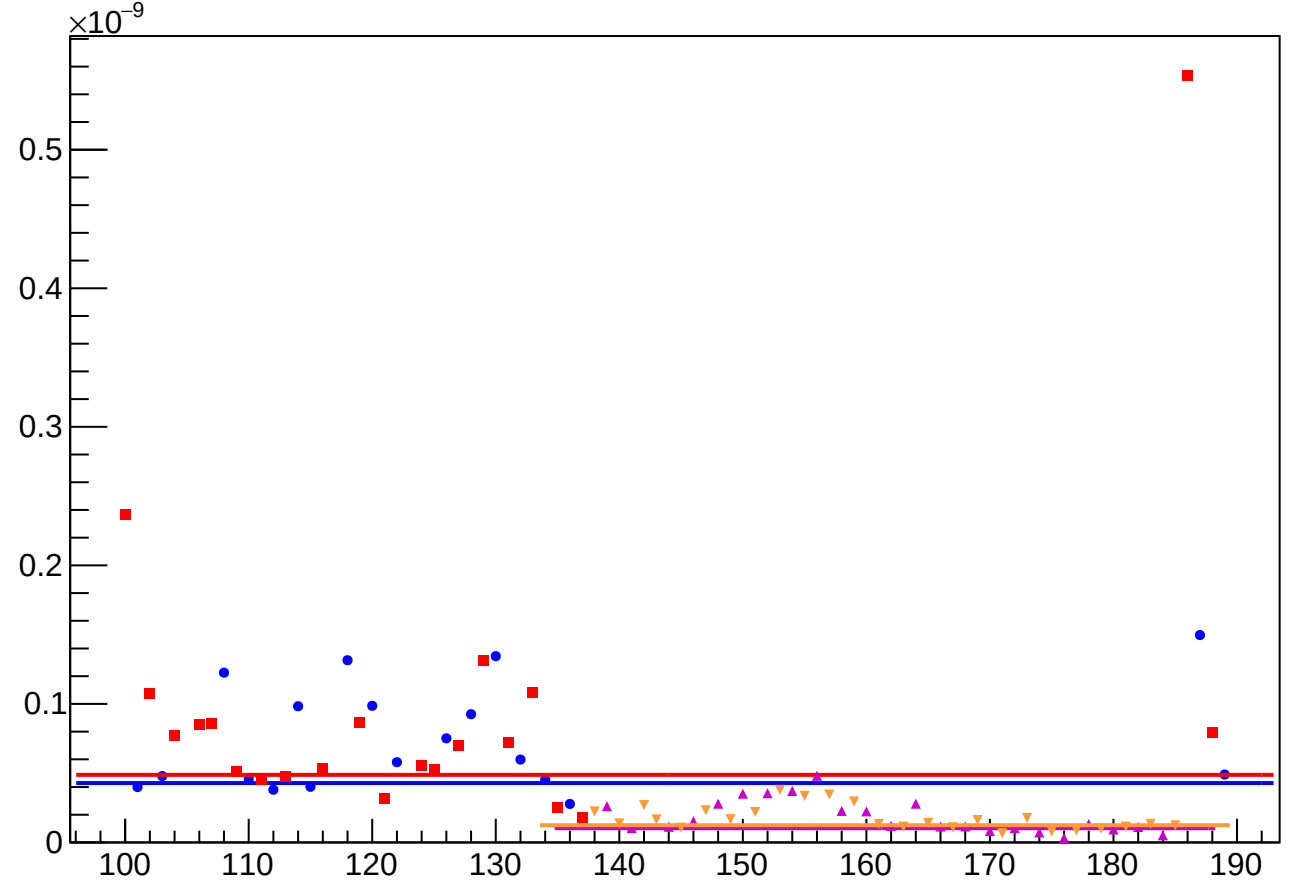
Left In: 792.060+/-0.135 χ^2/NDF:2135575.6/22

+ sign 877.025+/-0.128 χ^2/NDF: 6891009.0/42

All: 877.088+/-0.091 χ^2/NDF: 14590247.0/86

- sign 877.152+/-0.129 χ^2/NDF: 7699237.6/43


asym_sam3_reg_vs_cor_diff_mean vs Slug
×10^−12
1
0
−1
−2
−3
−4
−5
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 10.7/17
Left Out: -0.000+/-0.000 χ²/NDF:24.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 35.7/20
Left In: -0.000+/-0.000 χ²/NDF:31.5/22
+ sign -0.000+/-0.000 χ²/NDF: 34.7/42
All: -0.000+/-0.000 χ²/NDF: 102.6/86
- sign -0.000+/-0.000 χ²/NDF: 67.3/43



Right In: 0.000+/-0.000 χ^2/NDF: 1271814.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:2214354.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1736481.0/20

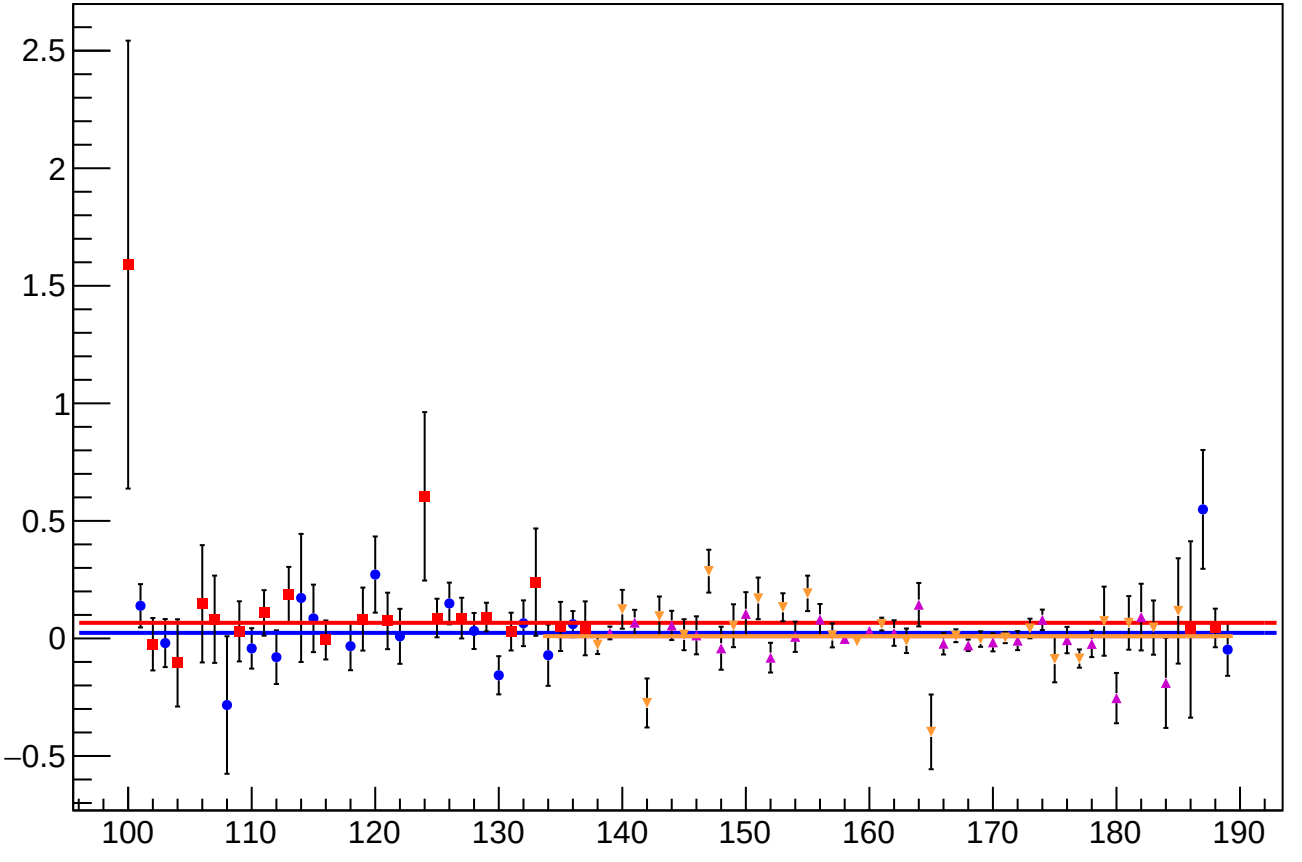
Left In: 0.000+/-0.000 χ^2/NDF:3679061.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 5952791.2/42

All: 0.000+/-0.000 χ^2/NDF: 14844604.4/86

- sign 0.000+/-0.000 χ^2/NDF: 8690516.9/43

asym_sam3_dit_vs_cor_diff_mean vs Slug



Right In: 0.024+/-0.024 χ^2/NDF: 20.2/17

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.066+/-0.024 χ^2/NDF: 9.7/20

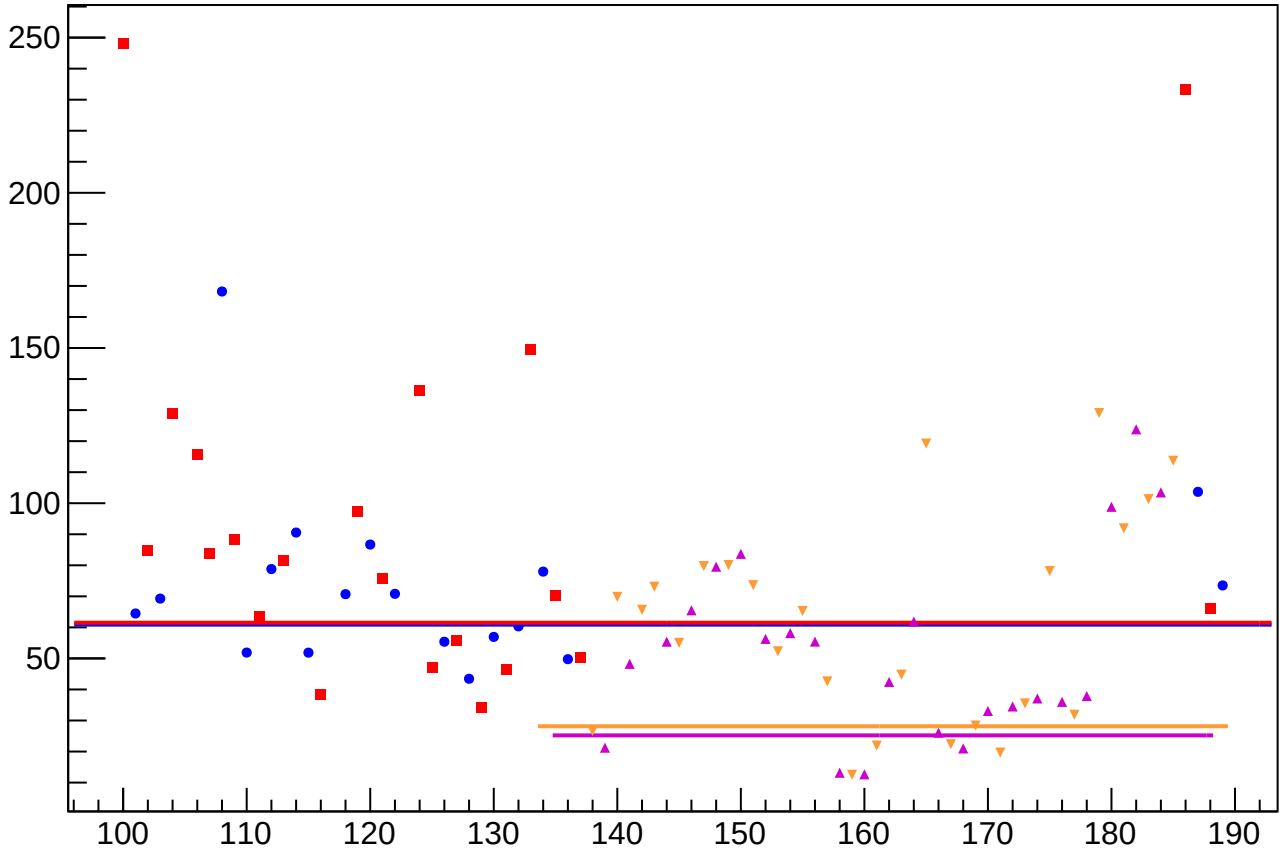
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.011+/-0.008 χ^2/NDF: 75.2/42

All: 0.013+/-0.005 χ^2/NDF: 115.2/86

- sign 0.015+/-0.008 χ^2/NDF: 39.9/43

asym_sam3_dit_vs_cor_diff_rms vs Slug



Right In: 60.894+/-0.017 χ^2/NDF: 785367.6/17

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 61.505+/-0.017 χ^2/NDF: 2408532.6/20

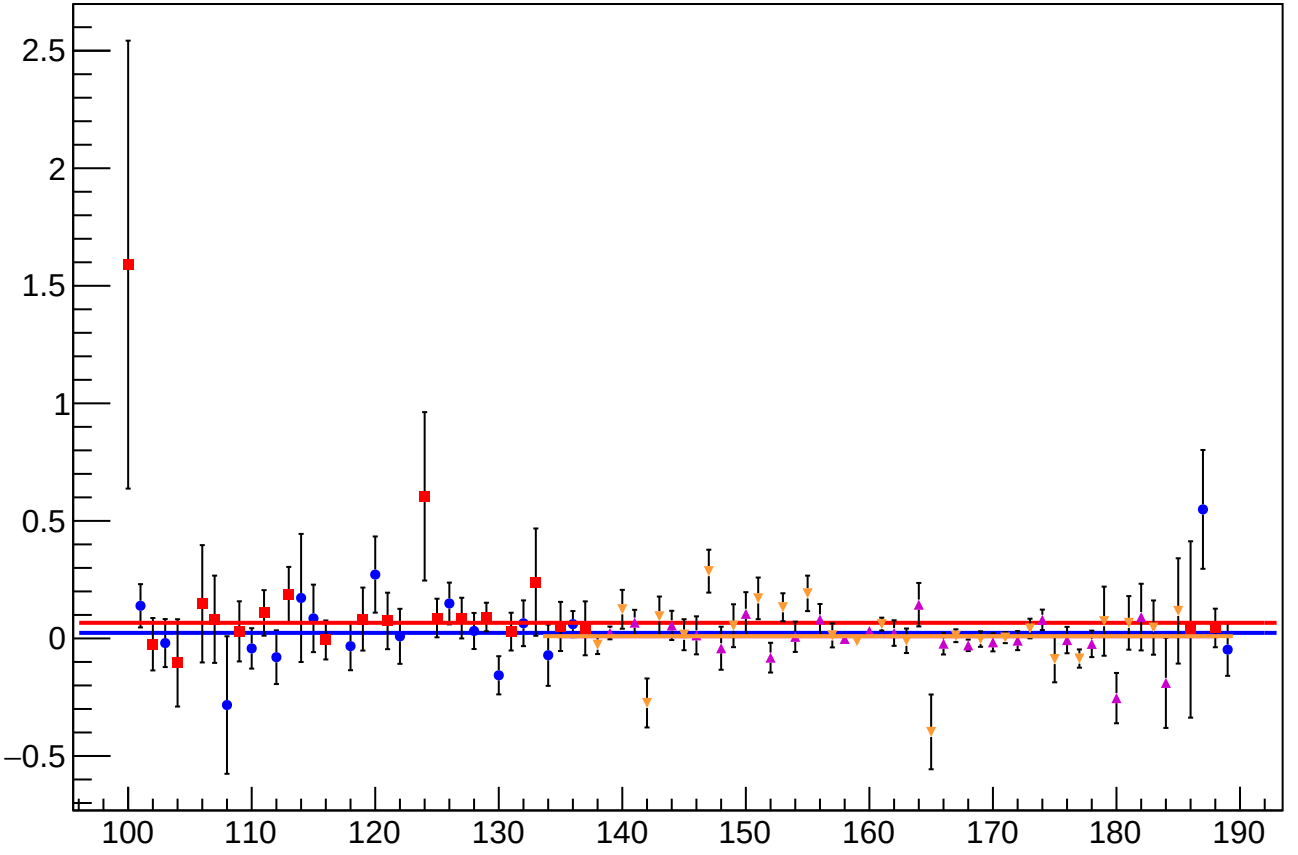
Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

\+ sign 31.773+/-0.006 χ^2/NDF: 15171915.1/42

All: 30.172+/-0.004 χ^2/NDF: 31789342.9/86

\- sign 28.745+/-0.005 χ^2/NDF: 16464987.3/43

asym_sam3_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.024+/-0.024 χ^2/NDF: 20.2/17

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.066+/-0.024 χ^2/NDF: 9.7/20

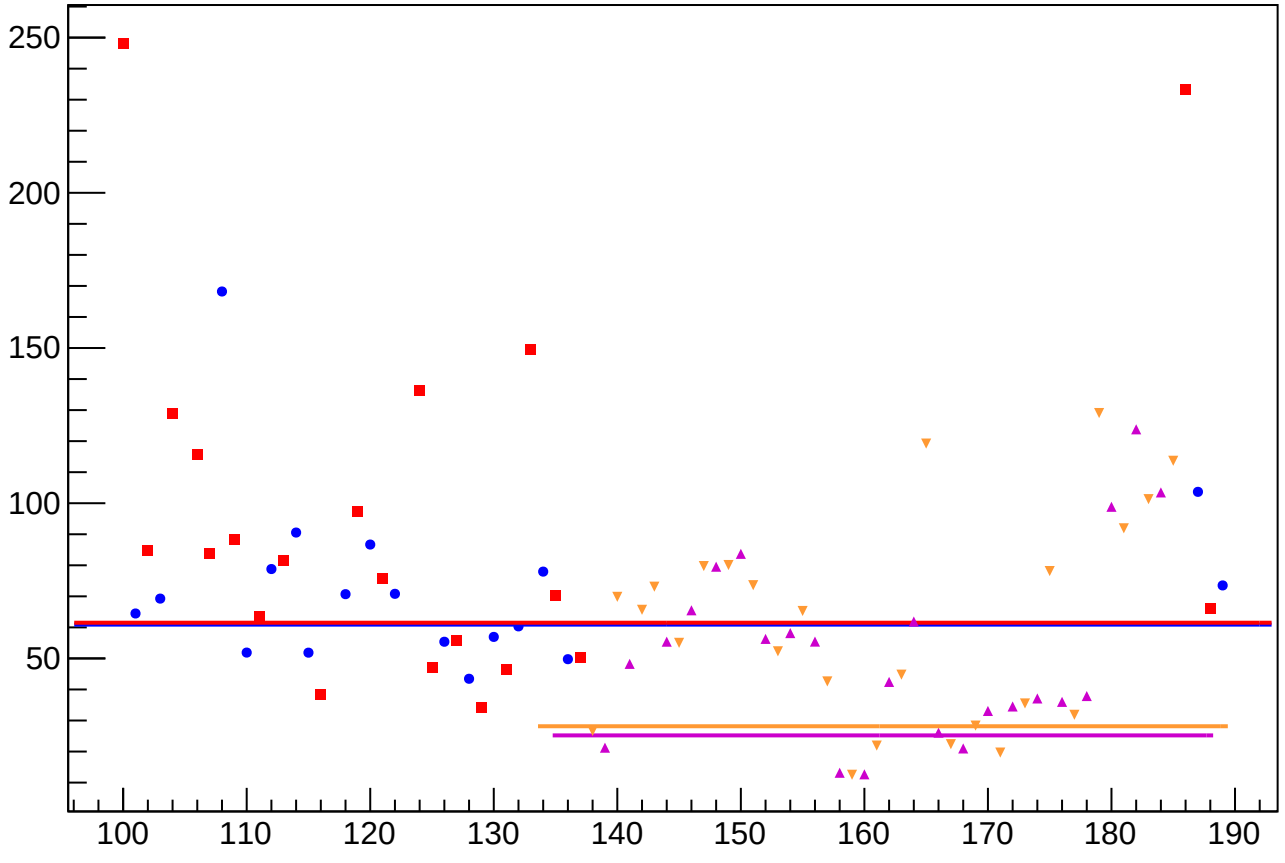
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.011+/-0.008 χ^2/NDF: 75.2/42

All: 0.013+/-0.005 χ^2/NDF: 115.2/86

- sign 0.015+/-0.008 χ^2/NDF: 39.9/43

asym_sam3_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.894+/-0.017 χ^2/NDF: 785367.6/17

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

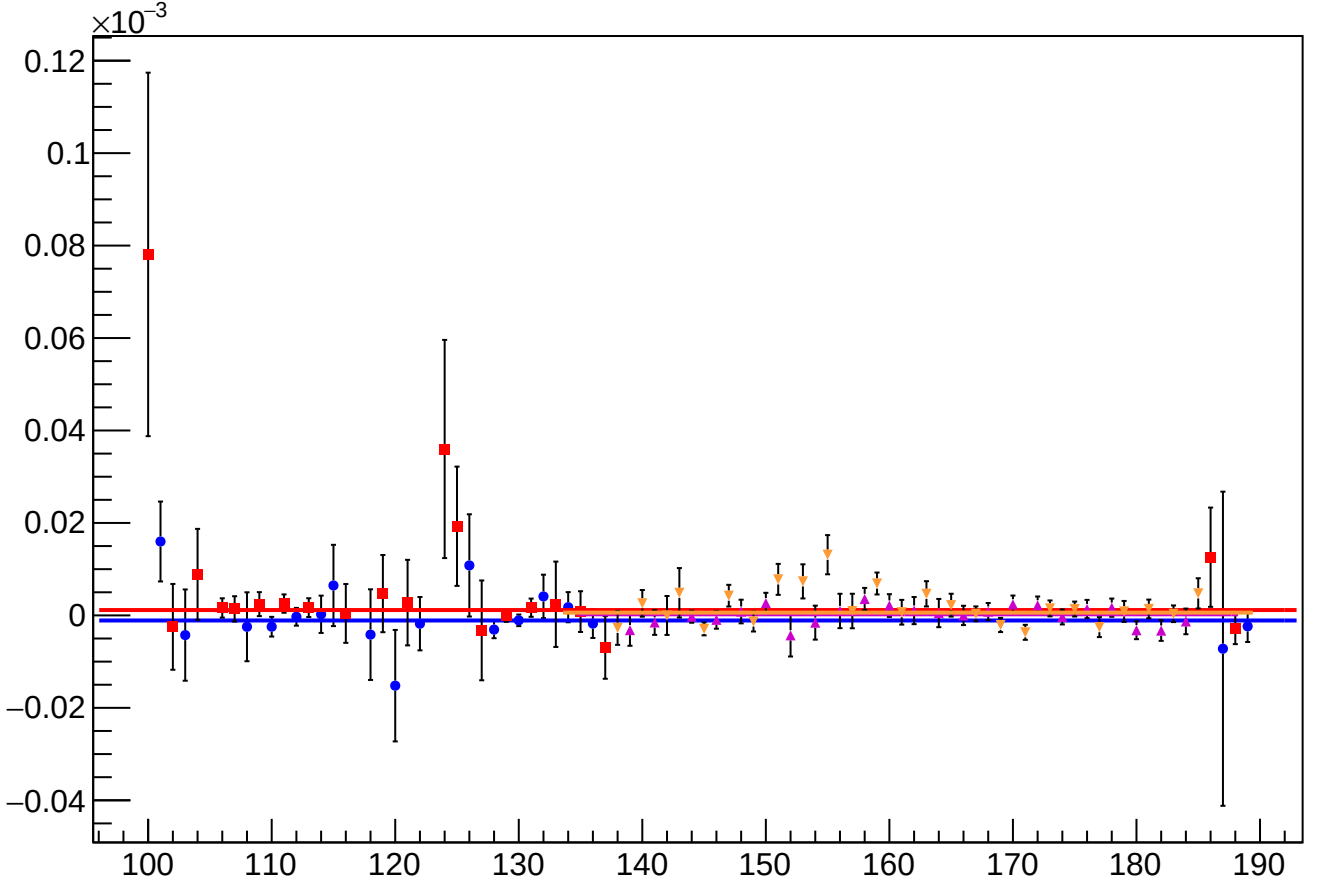
Right Out: 61.505+/-0.017 χ^2/NDF: 2408532.6/20

Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

+ sign 31.773+/-0.006 χ^2/NDF: 15171915.1/42

All: 30.172+/-0.004 χ^2/NDF: 31789342.9/86

- sign 28.745+/-0.005 χ^2/NDF: 16464987.3/43



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:52.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/20

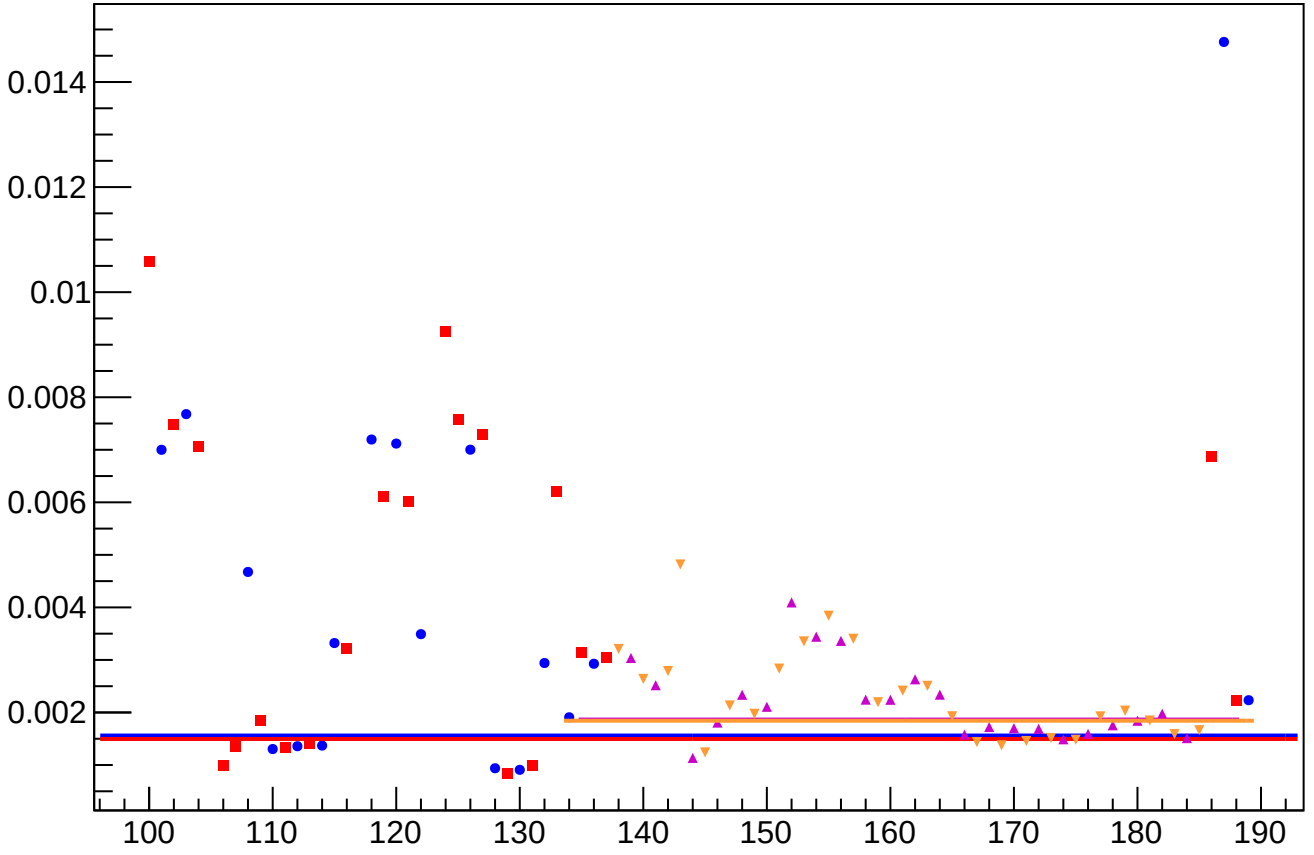
Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.8/42

All: 0.000+/-0.000 χ^2/NDF: 101.2/86

- sign 0.000+/-0.000 χ^2/NDF: 32.9/43

asym_sam3_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 5568367.8/17

Left Out: 0.002+/-0.000 χ^2/NDF:3783185.4/24

Right Out: 0.001+/-0.000 χ^2/NDF: 6400495.1/20

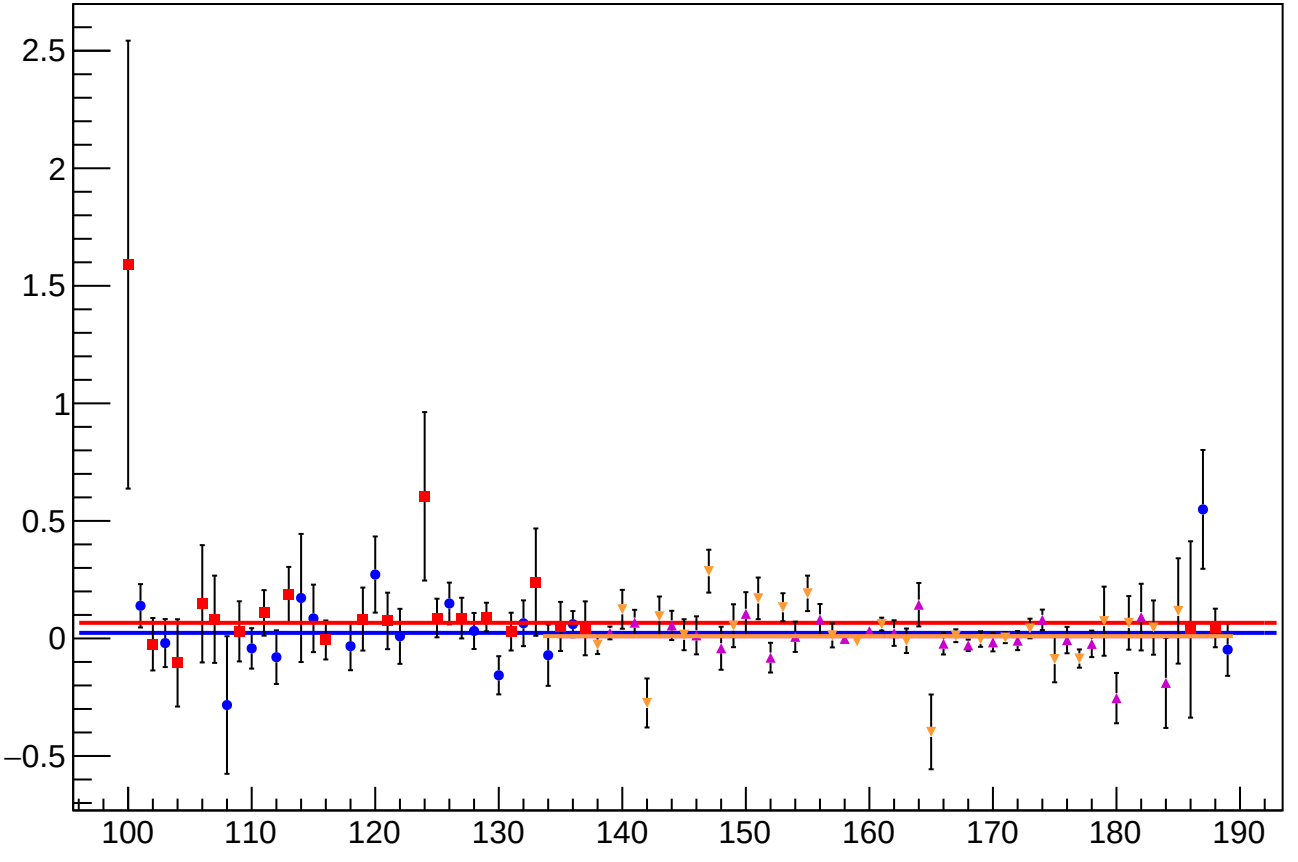
Left In: 0.002+/-0.000 χ^2/NDF:2794135.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 9573550.0/42

All: 0.002+/-0.000 χ^2/NDF: 19173078.4/86

- sign 0.002+/-0.000 χ^2/NDF: 9597854.5/43

asym_sam3_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.024+/-0.024 χ^2/NDF: 20.2/17

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.066+/-0.024 χ^2/NDF: 9.7/20

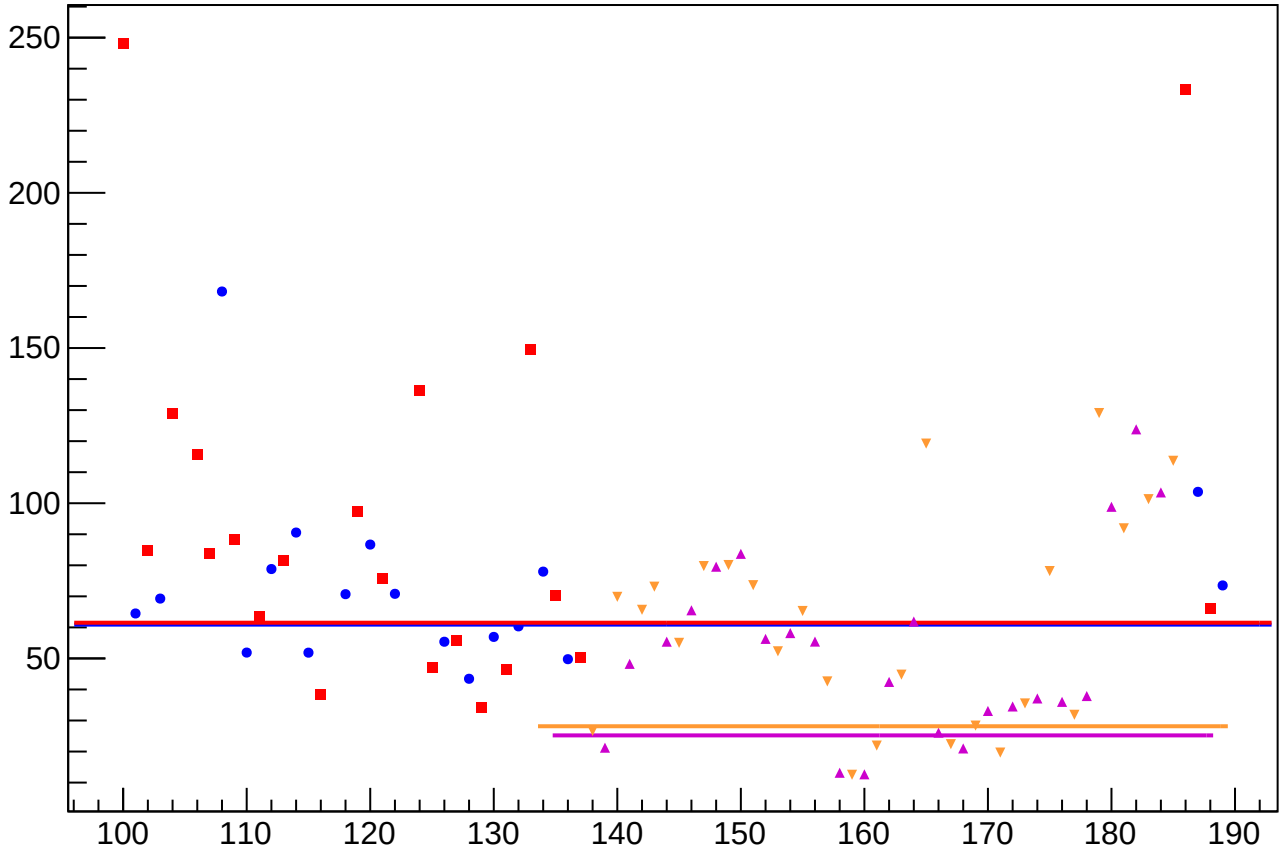
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.011+/-0.008 χ^2/NDF: 75.2/42

All: 0.013+/-0.005 χ^2/NDF: 115.2/86

- sign 0.015+/-0.008 χ^2/NDF: 39.9/43

asym_sam3_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 60.895+/-0.017 χ^2/NDF: 785423.4/17

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 61.506+/-0.017 χ^2/NDF: 2408624.1/20

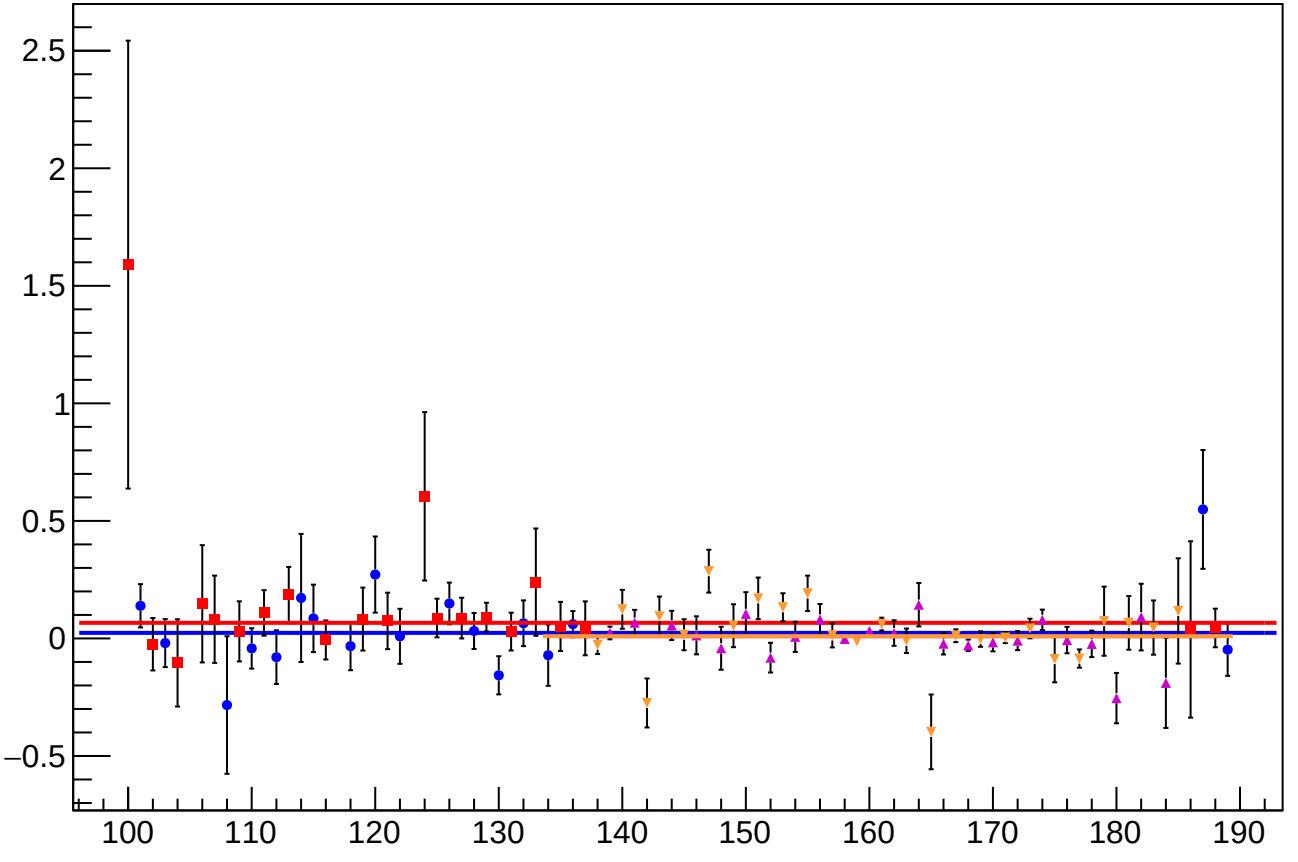
Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

+ sign 31.772+/-0.006 χ^2/NDF: 15173369.9/42

All: 30.171+/-0.004 χ^2/NDF: 31791495.9/86

- sign 28.745+/-0.005 χ^2/NDF: 16465766.3/43

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.024+/-0.024 χ^2/NDF: 20.2/17

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

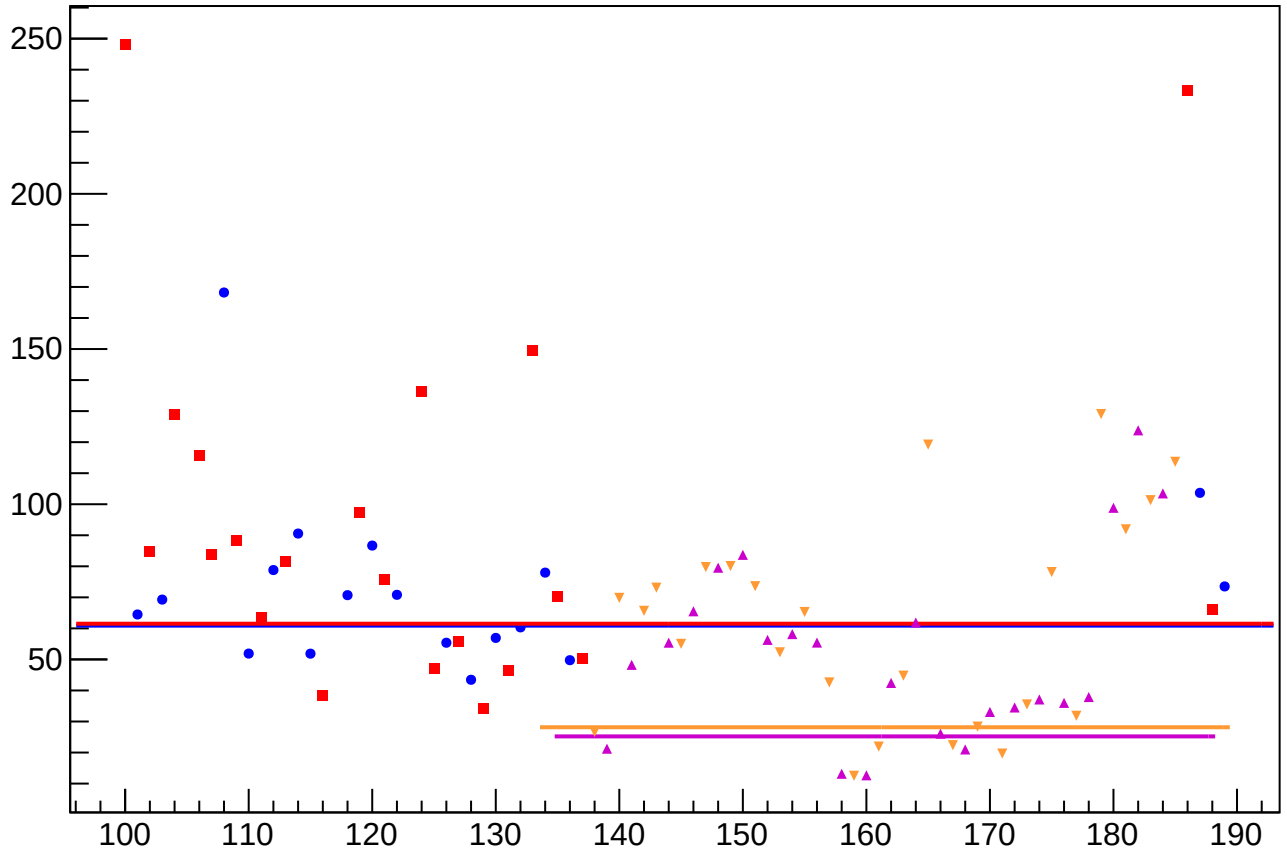
Right Out: 0.066+/-0.024 χ^2/NDF: 9.7/20

Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.011+/-0.008 χ^2/NDF: 75.2/42

All: 0.013+/-0.005 χ^2/NDF: 115.2/86

- sign 0.015+/-0.008 χ^2/NDF: 39.9/43



Right In: 60.895+/-0.017 χ^2/NDF: 785423.4/17

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

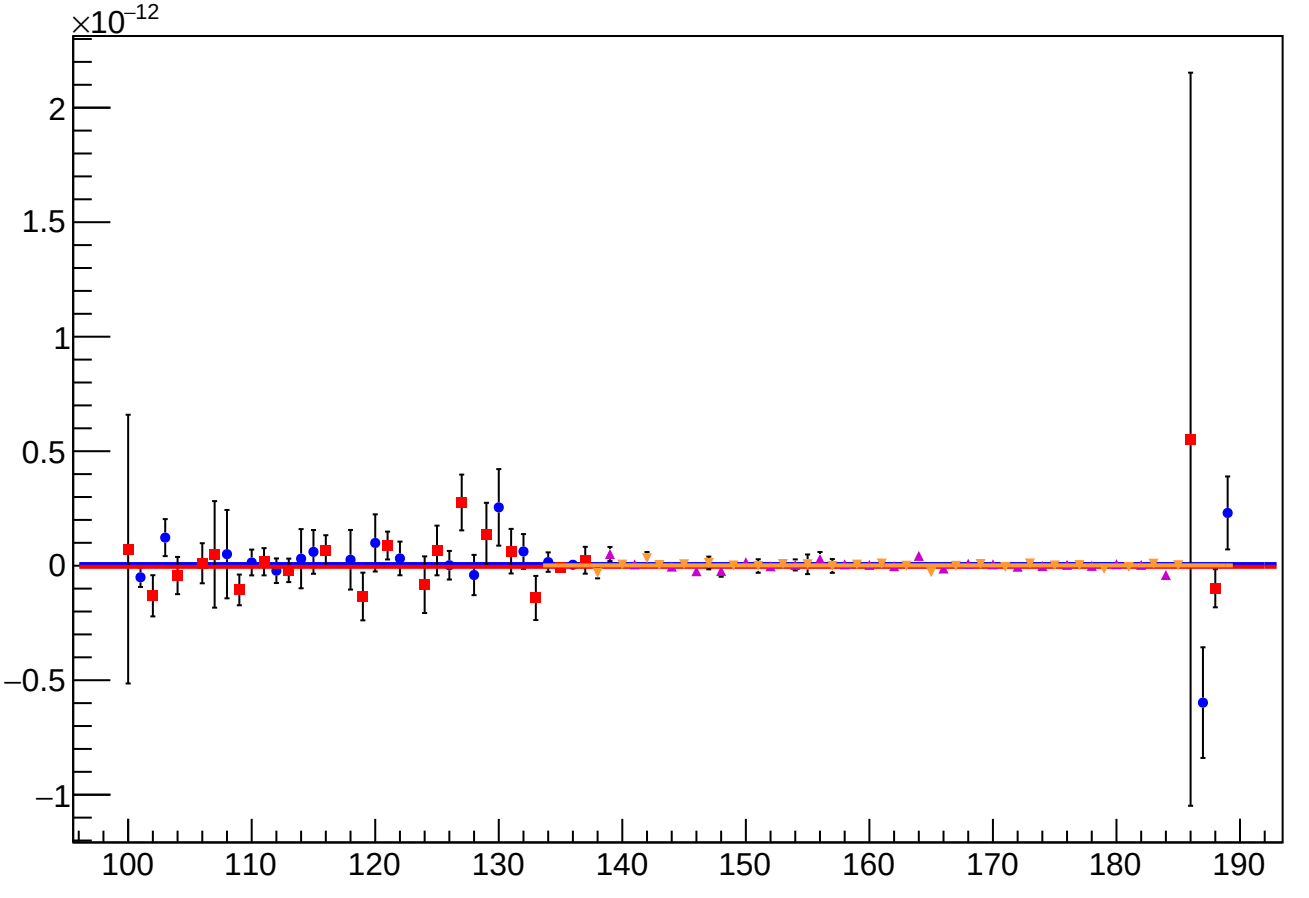
Right Out: 61.506+/-0.017 χ^2/NDF: 2408624.1/20

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

+ sign 31.772+/-0.006 χ^2/NDF: 15173369.9/42

All: 30.171+/-0.004 χ^2/NDF: 31791495.9/86

- sign 28.745+/-0.005 χ^2/NDF: 16465766.3/43



Right In: 0.000+/-0.000 χ^2/NDF: 16.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.1/20

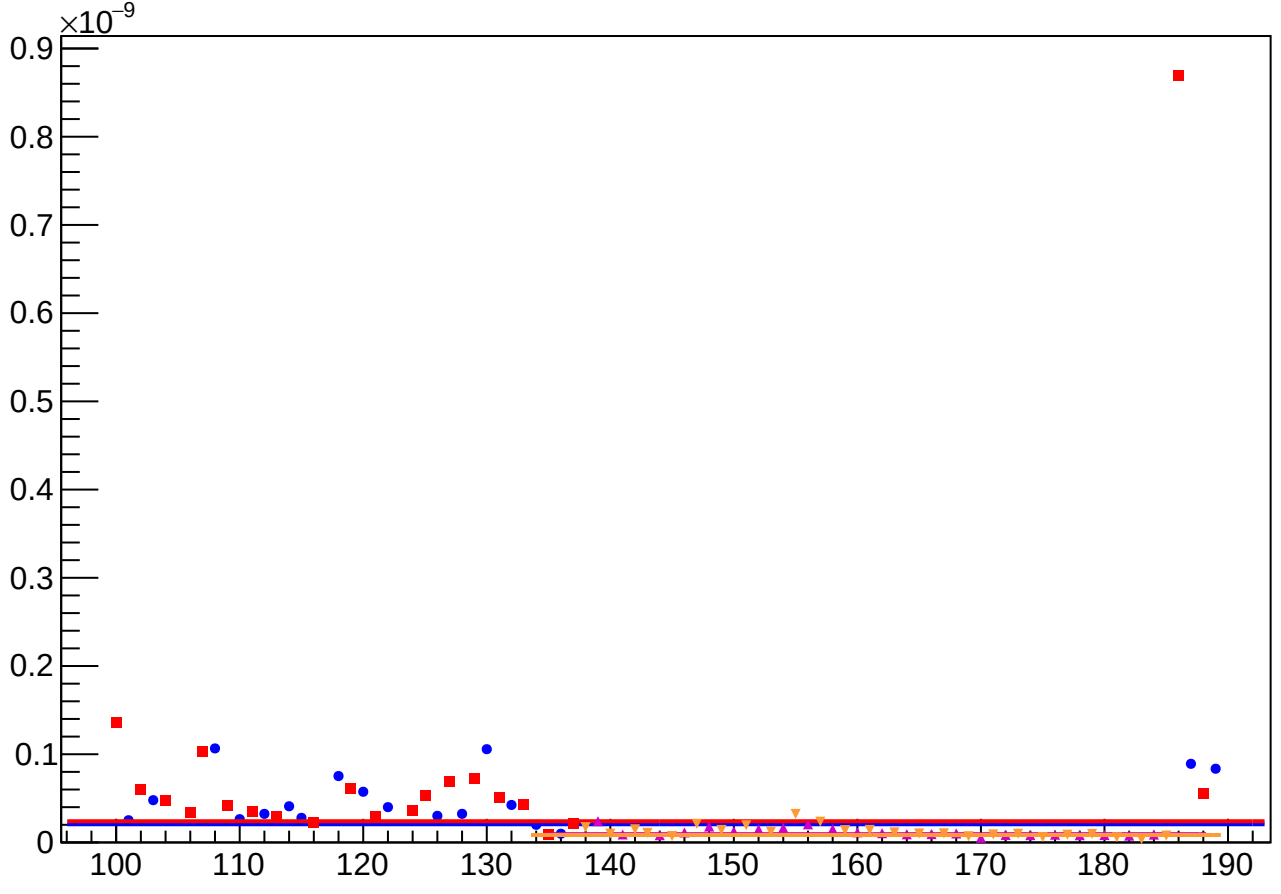
Left In: 0.000+/-0.000 χ^2/NDF:20.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 28.1/42

All: 0.000+/-0.000 χ^2/NDF: 70.3/86

- sign 0.000+/-0.000 χ^2/NDF: 42.2/43

asym_sam3_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3598294.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:4343727.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4377871.8/20

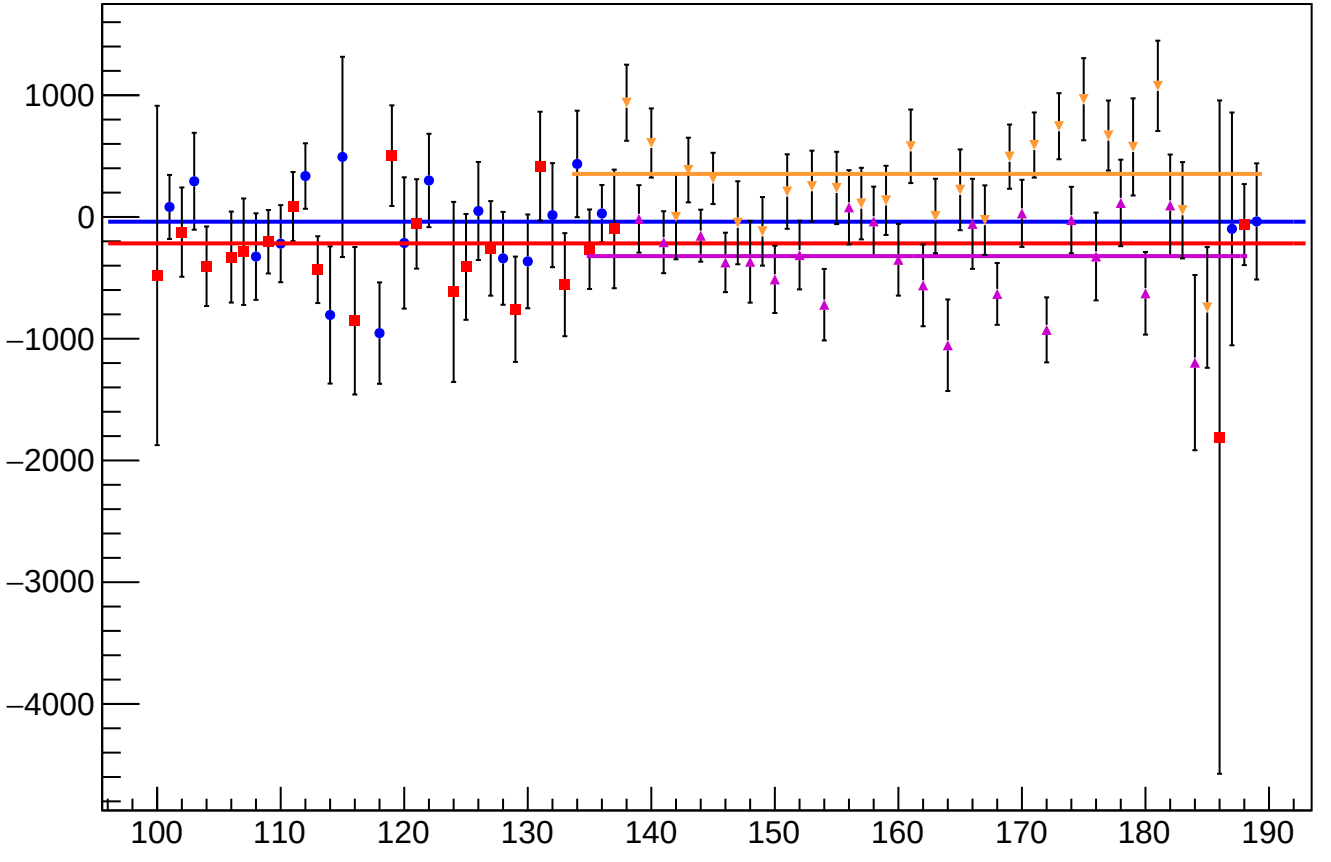
Left In: 0.000+/-0.000 χ^2/NDF:2146041.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 9870274.3/42

All: 0.000+/-0.000 χ^2/NDF: 18832541.6/86

- sign 0.000+/-0.000 χ^2/NDF: 8828726.6/43

reg_asym_sam4_mean vs Slug



Right In: -38.946+/-88.644 χ^2/NDF: 14.5/17

Left Out: 353.617+/-60.149 χ^2/NDF:32.3/24

Right Out: -217.020+/-84.956 χ^2/NDF: 12.0/20

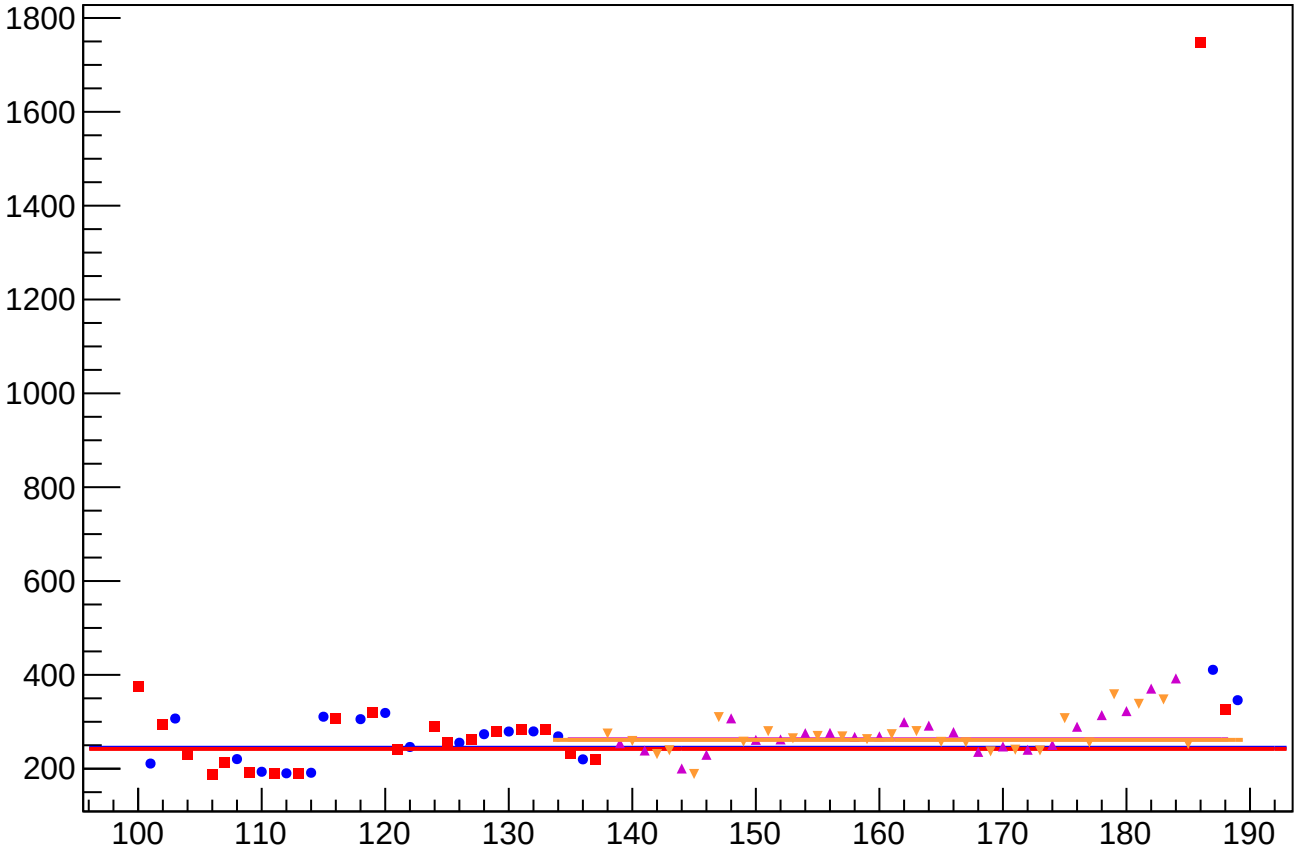
Left In: -321.510+/-62.113 χ^2/NDF:26.2/22

+ sign 229.856+/-49.772 χ^2/NDF: 60.2/42

All: -25.727+/-35.324 χ^2/NDF: 152.6/86

- sign -285.112+/-50.141 χ^2/NDF: 39.2/43

reg_asym_sam4_rms vs Slug



Right In: 244.600+/-0.063 χ^2/NDF: 558238.5/17

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 242.193+/-0.060 χ^2/NDF: 1213973.5/20

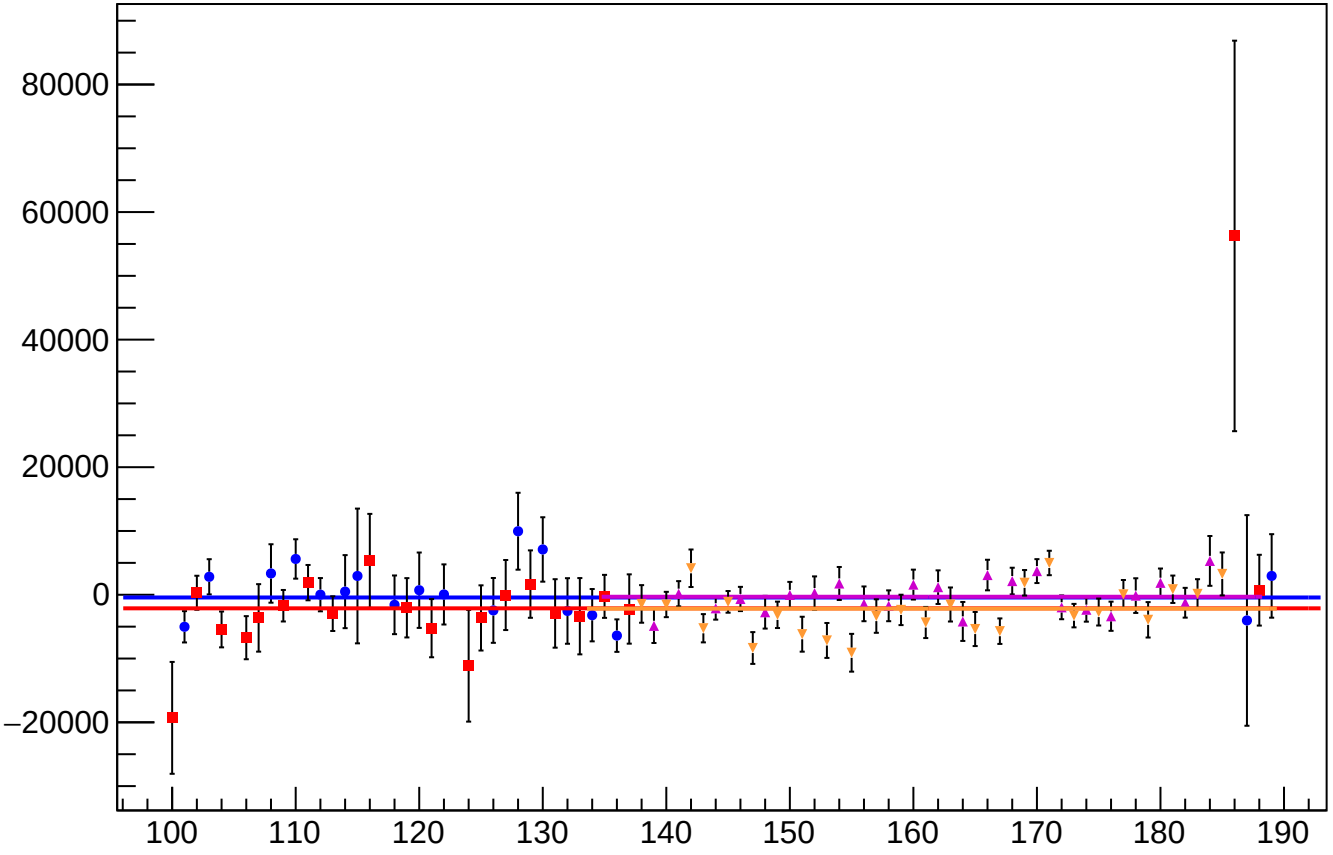
Left In: 262.616+/-0.044 χ^2/NDF:670646.3/22

+ sign 256.151+/-0.035 χ^2/NDF: 1323303.8/42

All: 255.829+/-0.025 χ^2/NDF: 3283414.4/86

- sign 255.502+/-0.035 χ^2/NDF: 1959941.6/43

asym_sam4_reg_correction_mean vs Slug



Right In: -427.013+/-936.182 χ^2/NDF: 21.5/17

Left Out: -2171.840+/-461.649 χ^2/NDF:55.5/24

Right Out: -2128.218+/-882.415 χ^2/NDF: 17.8/20

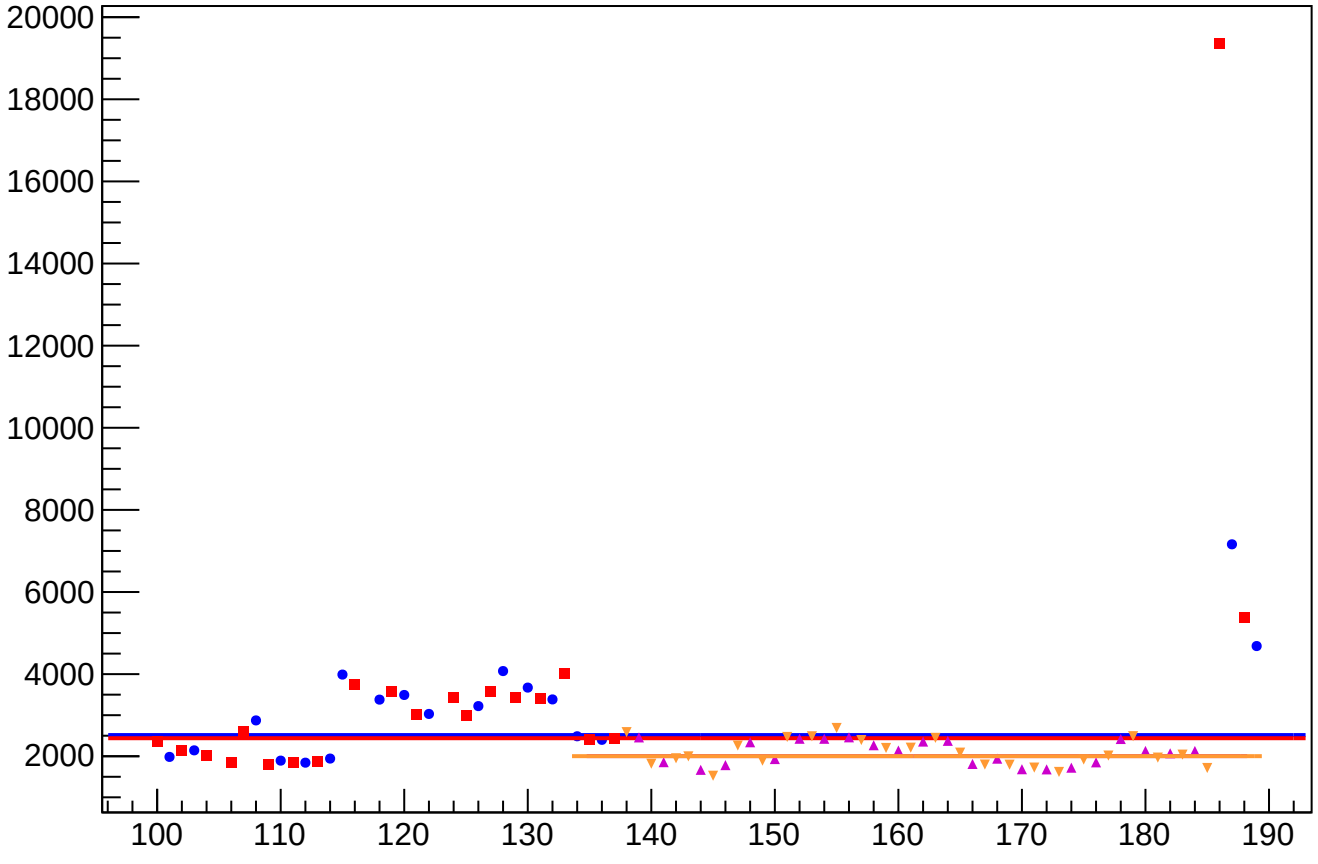
Left In: -313.739+/-474.086 χ^2/NDF:23.7/22

+ sign -1830.548+/-414.045 χ^2/NDF: 79.8/42

All: -1280.143+/-294.033 χ^2/NDF: 128.1/86

- sign -720.168+/-417.628 χ^2/NDF: 44.7/43

asym_sam4_reg_correction_rms vs Slug



Right In: 2515.808+/-0.662 χ^2/NDF: 1280269.7/17

Left Out: 2002.229+/-0.326 χ^2/NDF:892707.2/24

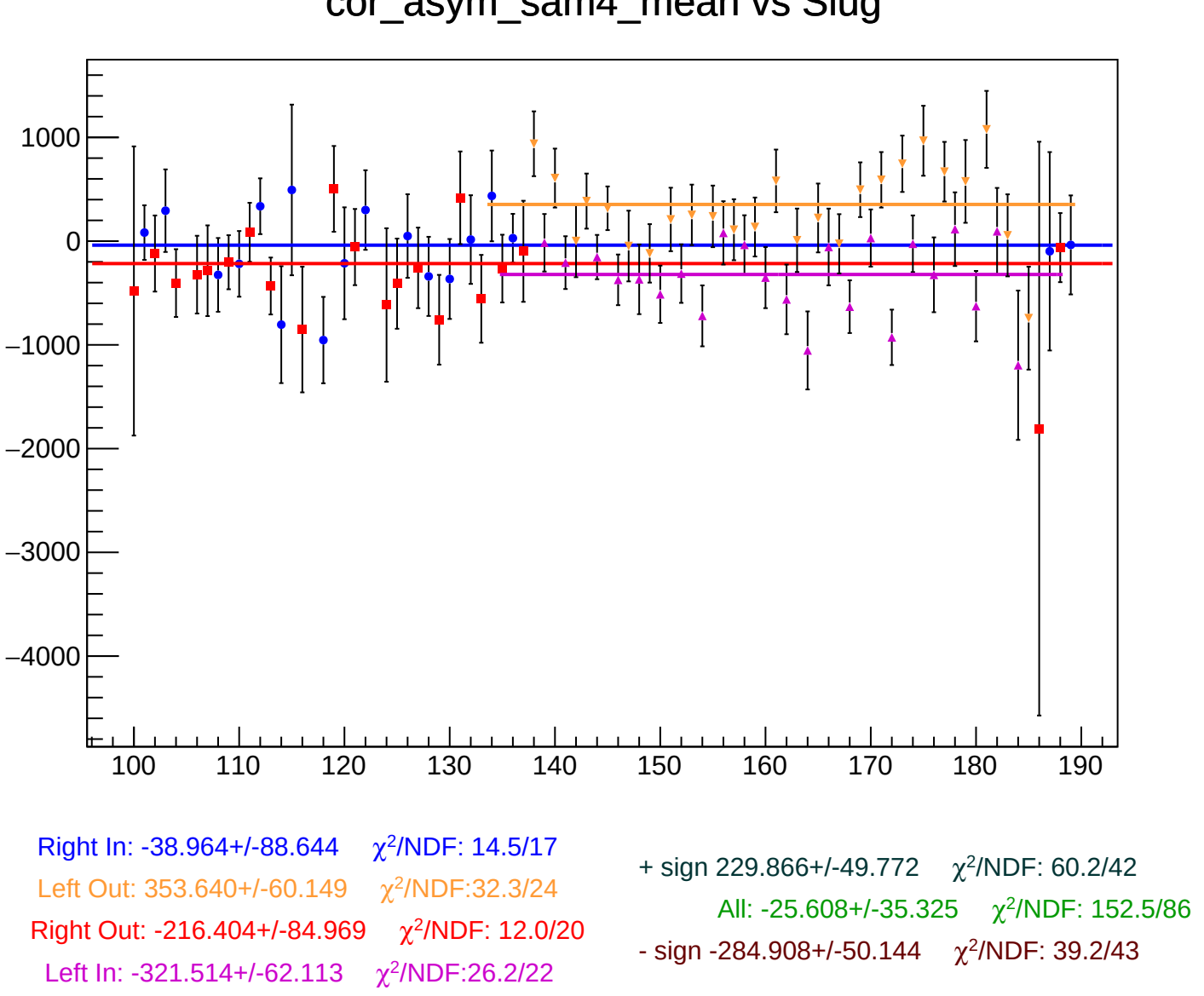
Right Out: 2439.267+/-0.624 χ^2/NDF: 2245913.2/20

Left In: 2004.244+/-0.335 χ^2/NDF:704919.9/22

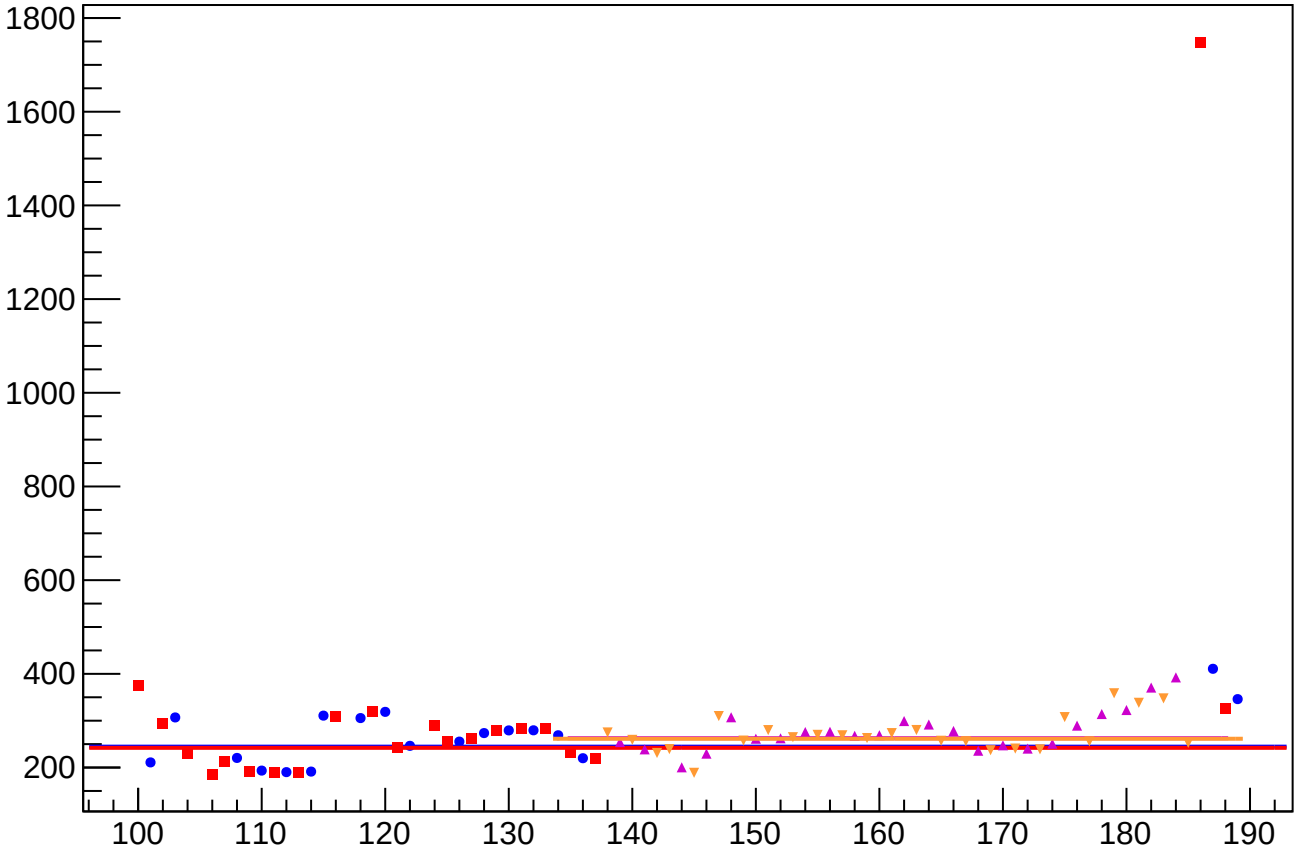
+ sign 2102.686+/-0.293 χ^2/NDF: 2657142.8/42

All: 2102.190+/-0.208 χ^2/NDF: 5985184.3/86

- sign 2101.686+/-0.295 χ^2/NDF: 3328035.6/43


cor_asym_sam4_mean vs Slug
1000
0
−1000
−2000
−3000
−4000
100
110
120
130
140
150
160
170
180
190
Right In: -38.964+/-88.644 χ²/NDF: 14.5/17
Left Out: 353.640+/-60.149 χ²/NDF:32.3/24
Right Out: -216.404+/-84.969 χ²/NDF: 12.0/20
Left In: -321.514+/-62.113 χ²/NDF:26.2/22
+ sign 229.866+/-49.772 χ²/NDF: 60.2/42
All: -25.608+/-35.325 χ²/NDF: 152.5/86
- sign -284.908+/-50.144 χ²/NDF: 39.2/43

cor_asym_sam4_rms vs Slug



Right In: 244.600+/-0.063 χ^2/NDF: 558240.7/17

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 242.081+/-0.060 χ^2/NDF: 1217954.8/20

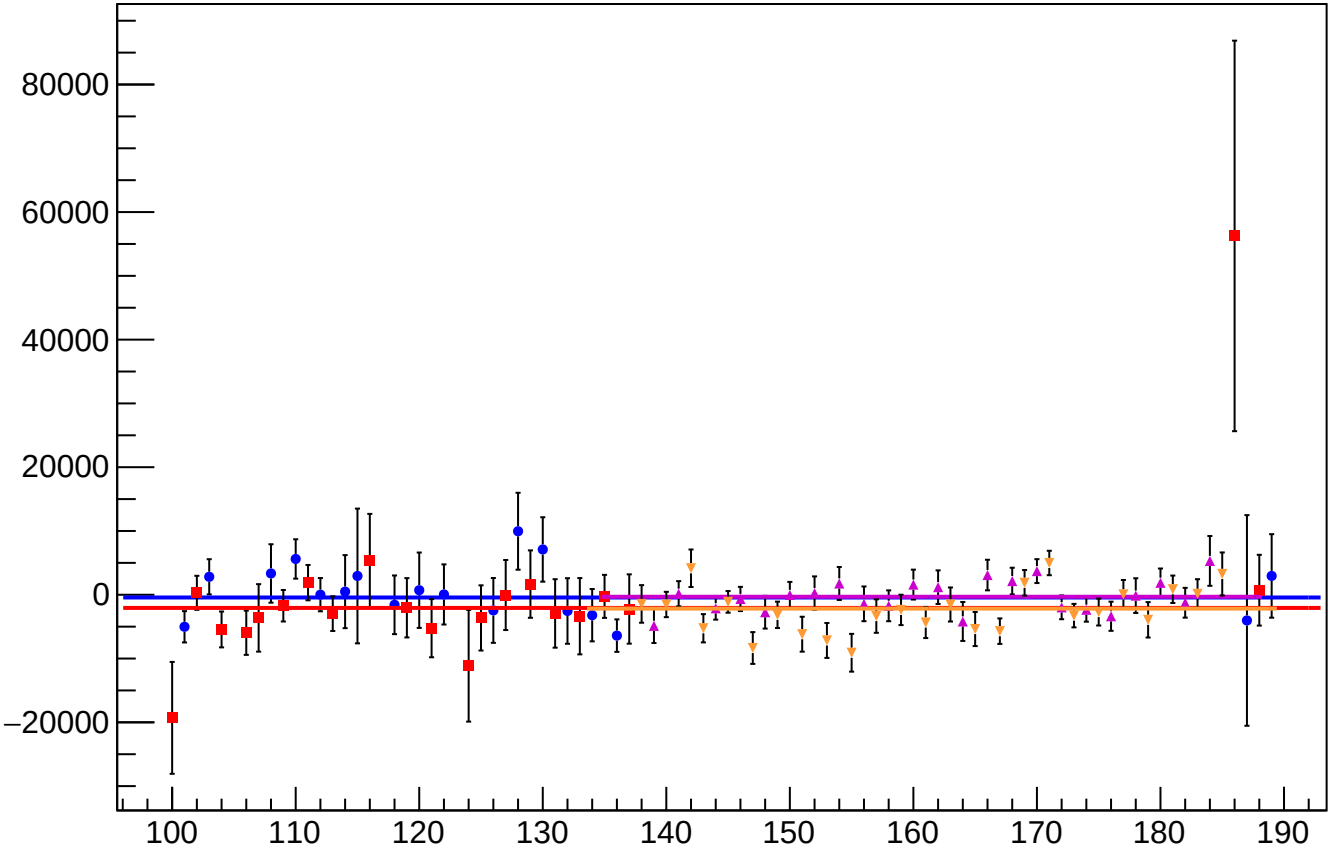
Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 256.151+/-0.035 χ^2/NDF: 1323305.8/42

All: 255.810+/-0.025 χ^2/NDF: 3288228.3/86

- sign 255.464+/-0.035 χ^2/NDF: 1964733.5/43

asym_sam4_cor_correction_mean vs Slug



Right In: -427.176+/-936.190 χ^2/NDF: 21.5/17

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: -2062.453+/-884.041 χ^2/NDF: 17.1/20

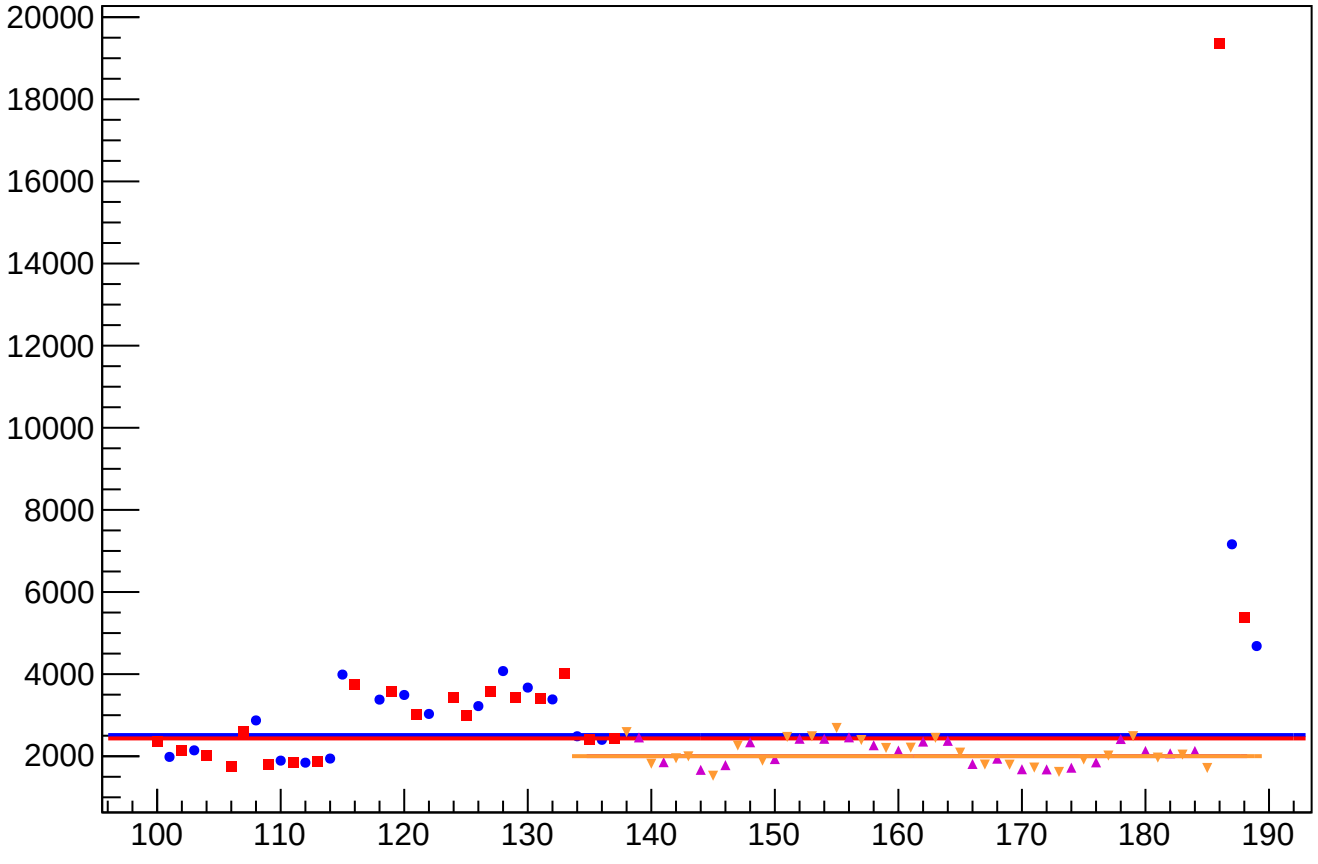
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -1830.561+/-414.045 χ^2/NDF: 79.8/42

All: -1272.527+/-294.093 χ^2/NDF: 127.3/86

- sign -704.325+/-417.800 χ^2/NDF: 43.9/43

asym_sam4_cor_correction_rms vs Slug



Right In: 2515.833+/-0.662 χ^2/NDF: 1280231.7/17

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 2434.255+/-0.625 χ^2/NDF: 2266297.7/20

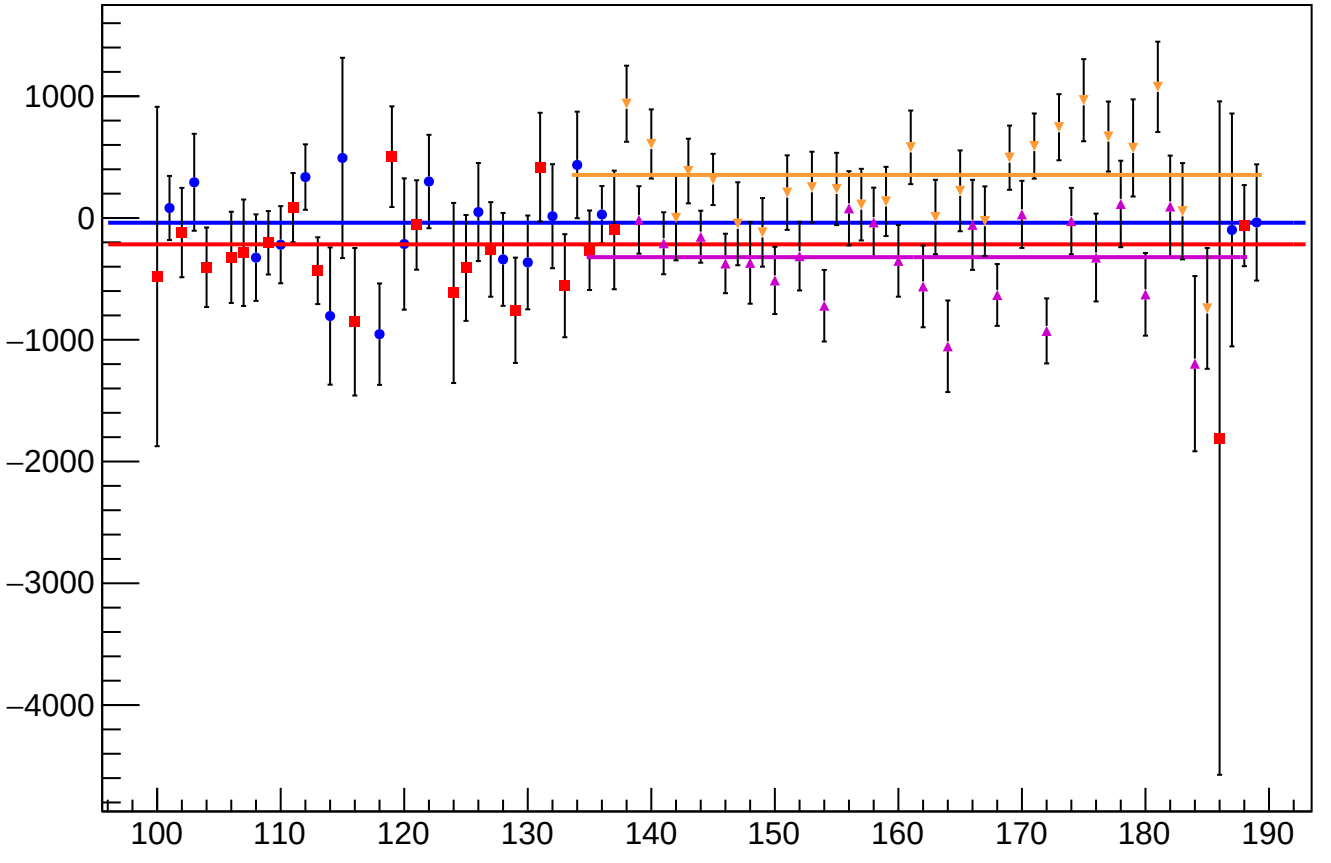
Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2102.690+/-0.293 χ^2/NDF: 2657144.9/42

All: 2101.500+/-0.208 χ^2/NDF: 5995904.9/86

- sign 2100.289+/-0.295 χ^2/NDF: 3338726.7/43

eigen_cor_asym_sam4_mean vs Slug



Right In: -38.964+/-88.644 χ^2/NDF: 14.5/17

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: -216.404+/-84.969 χ^2/NDF: 12.0/20

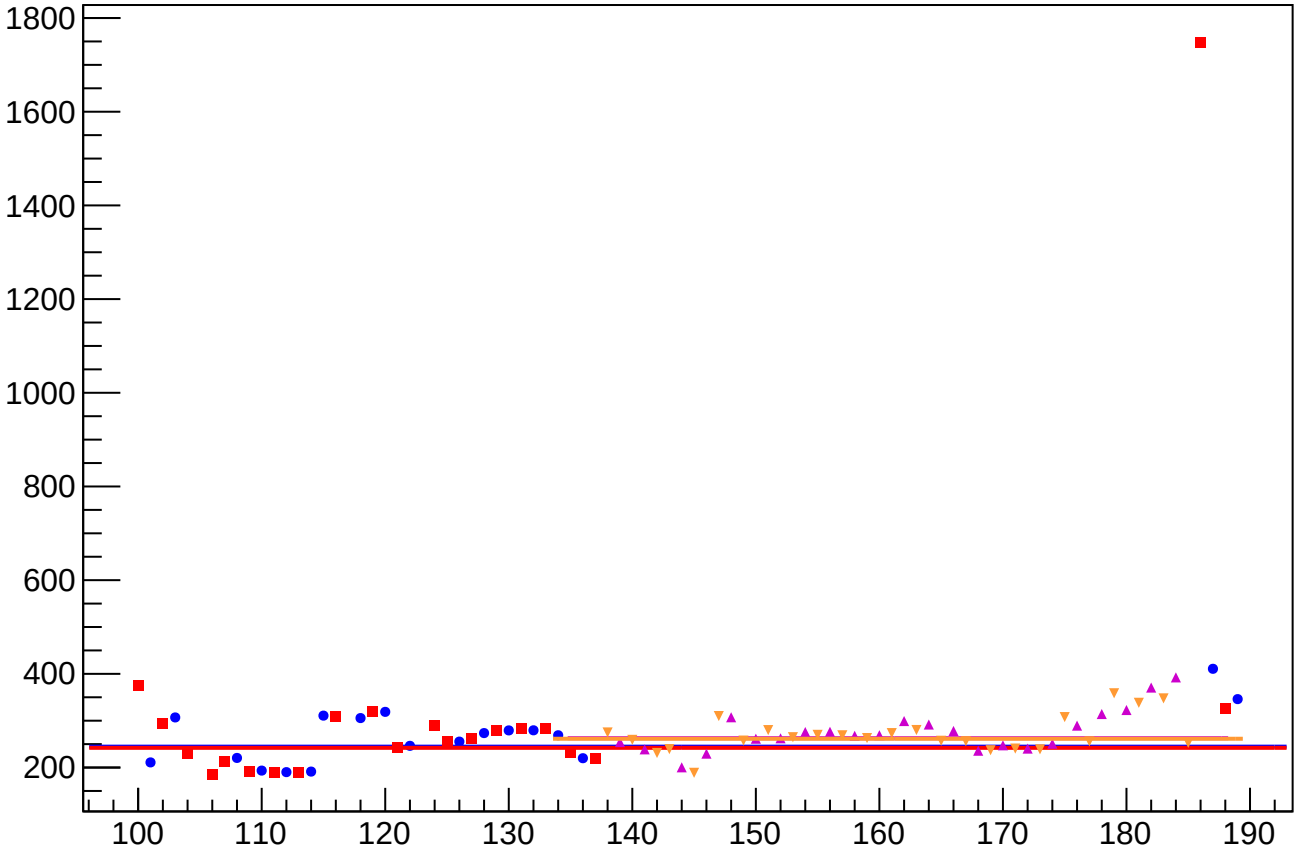
Left In: -321.514+/-62.113 χ^2/NDF:26.2/22

+ sign 229.866+/-49.772 χ^2/NDF: 60.2/42

All: -25.608+/-35.325 χ^2/NDF: 152.5/86

- sign -284.908+/-50.144 χ^2/NDF: 39.2/43

eigen_cor_asym_sam4_rms vs Slug



Right In: 244.600+/-0.063 χ^2/NDF: 558240.7/17

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 242.081+/-0.060 χ^2/NDF: 1217954.8/20

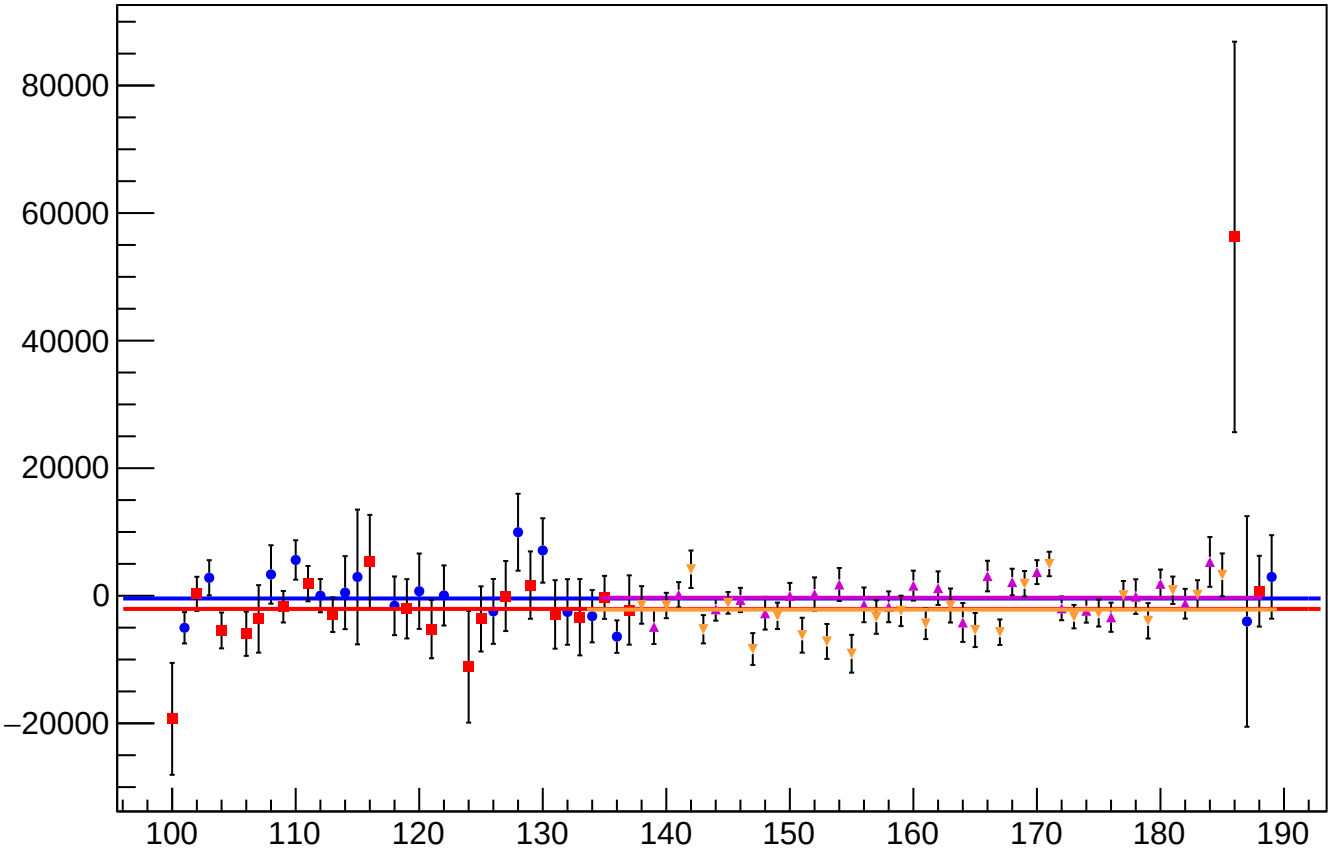
Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 256.151+/-0.035 χ^2/NDF: 1323305.8/42

All: 255.810+/-0.025 χ^2/NDF: 3288228.3/86

- sign 255.464+/-0.035 χ^2/NDF: 1964733.5/43

asym_sam4_eigen_cor_correction_mean vs Slug



Right In: -427.176+/-936.190 χ^2/NDF: 21.5/17

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: -2062.453+/-884.041 χ^2/NDF: 17.1/20

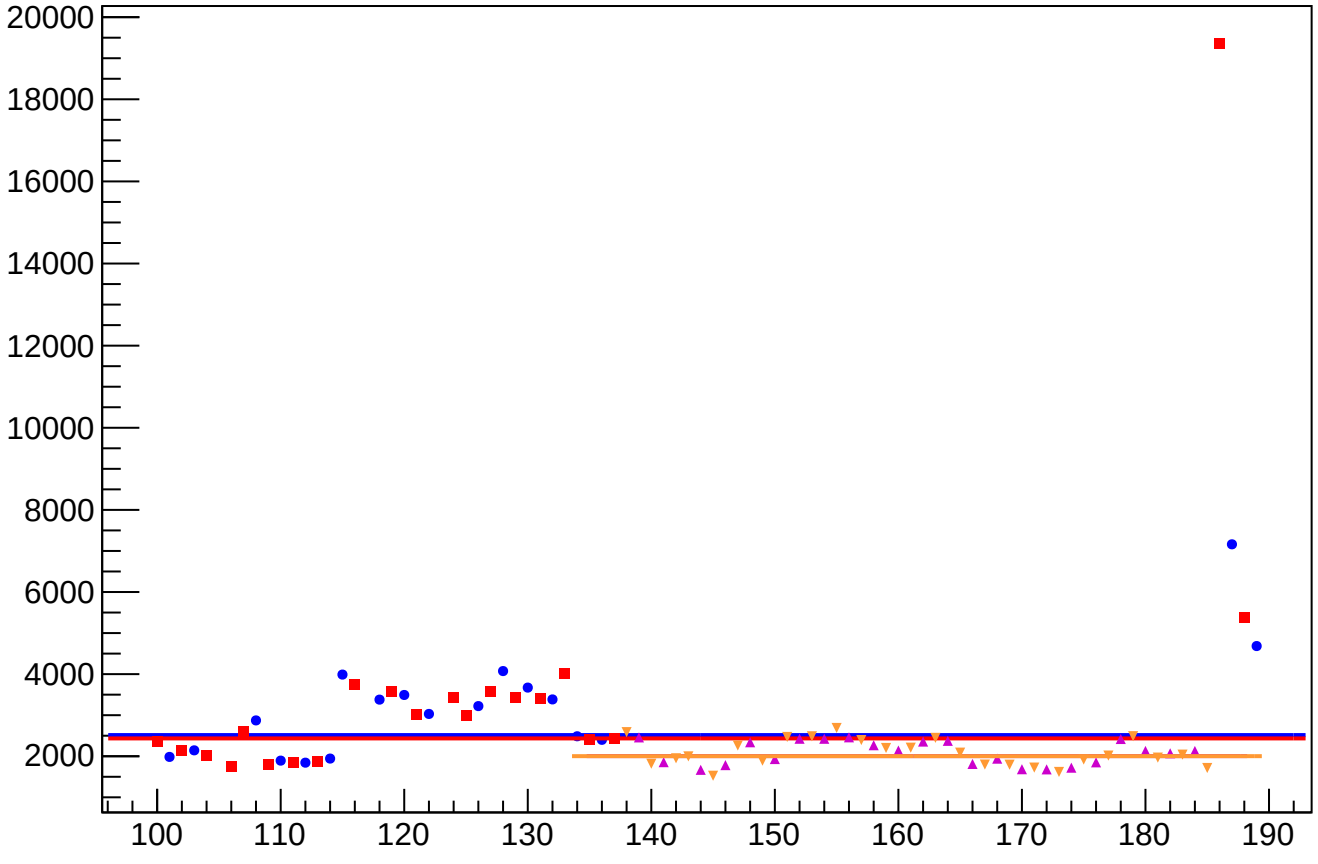
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -1830.561+/-414.045 χ^2/NDF: 79.8/42

All: -1272.527+/-294.093 χ^2/NDF: 127.3/86

- sign -704.325+/-417.800 χ^2/NDF: 43.9/43

asym_sam4_eigen_cor_correction_rms vs Slug



Right In: 2515.833+/-0.662 χ^2/NDF: 1280231.7/17

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 2434.255+/-0.625 χ^2/NDF: 2266297.7/20

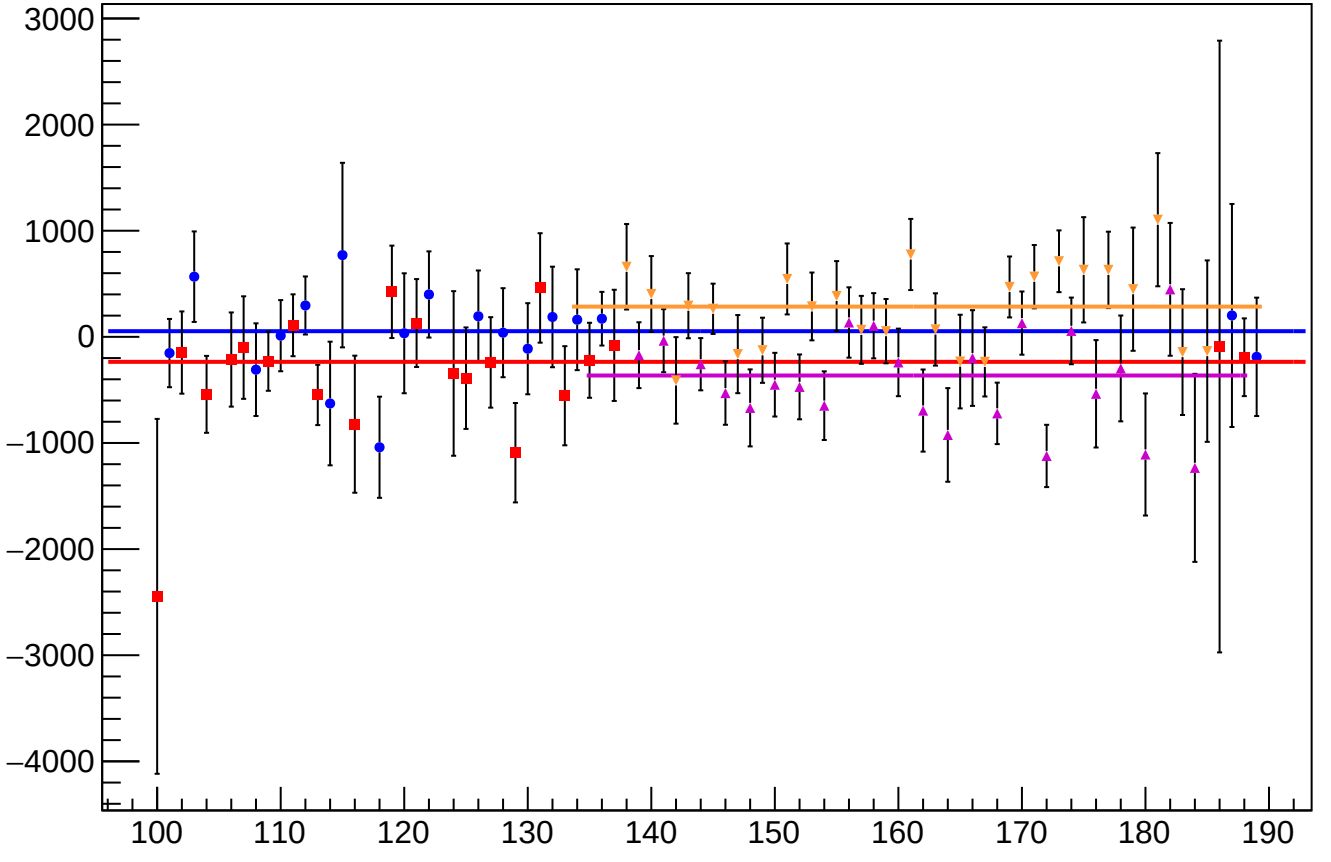
Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2102.690+/-0.293 χ^2/NDF: 2657144.9/42

All: 2101.500+/-0.208 χ^2/NDF: 5995904.9/86

- sign 2100.289+/-0.295 χ^2/NDF: 3338726.7/43

dit_asym_sam4_mean vs Slug



Right In: 53.399+/-97.276 χ^2/NDF: 12.2/17

Left Out: 284.913+/-70.036 χ^2/NDF:22.8/24

Right Out: -235.449+/-91.968 χ^2/NDF: 15.0/20

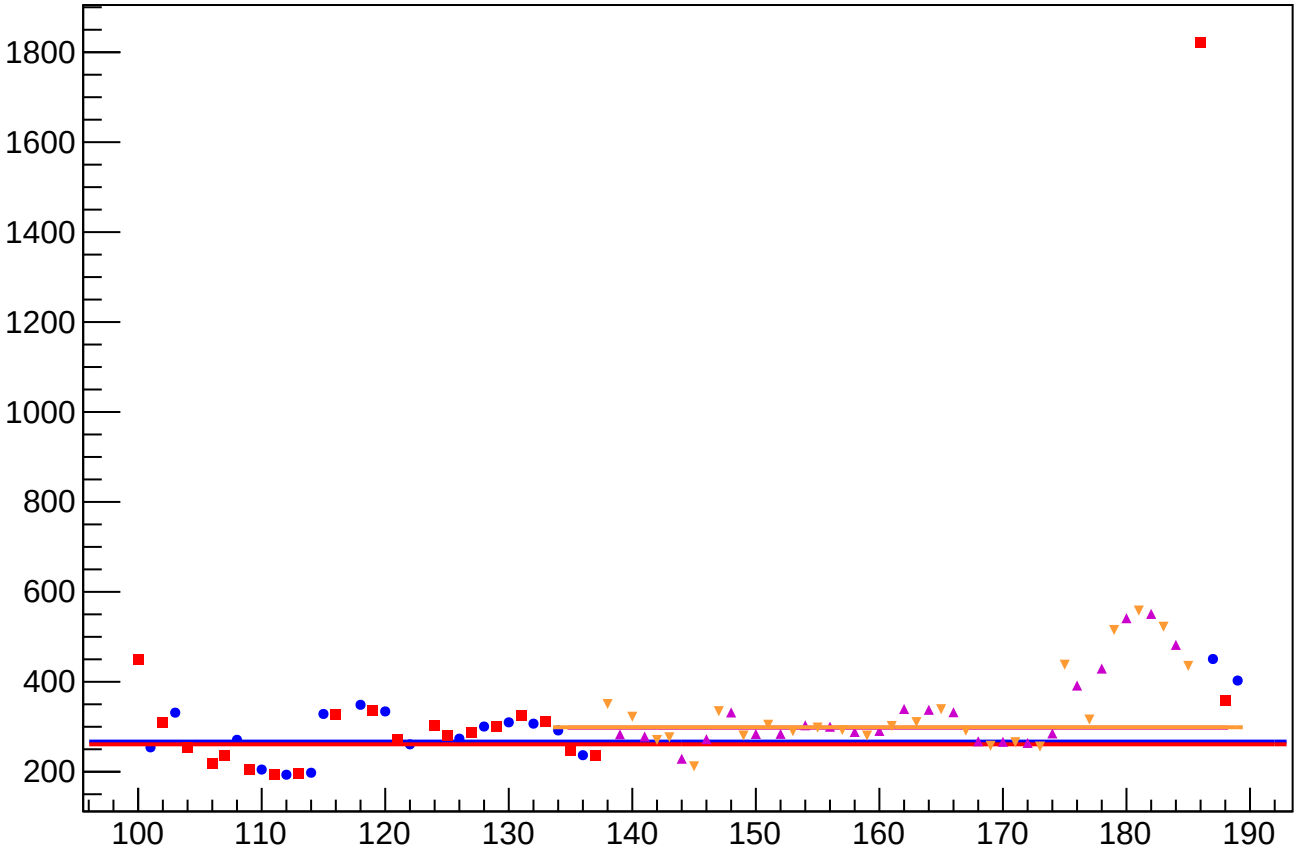
Left In: -364.163+/-71.714 χ^2/NDF:28.2/22

+ sign 205.875+/-56.837 χ^2/NDF: 38.8/42

All: -56.119+/-40.089 χ^2/NDF: 125.4/86

- sign -315.493+/-56.553 χ^2/NDF: 44.4/43

dit_asym_sam4_rms vs Slug



Right In: 267.025+/-0.069 χ^2/NDF: 649458.0/17

Left Out: 298.938+/-0.050 χ^2/NDF:1613077.3/24

Right Out: 261.016+/-0.065 χ^2/NDF: 1278728.2/20

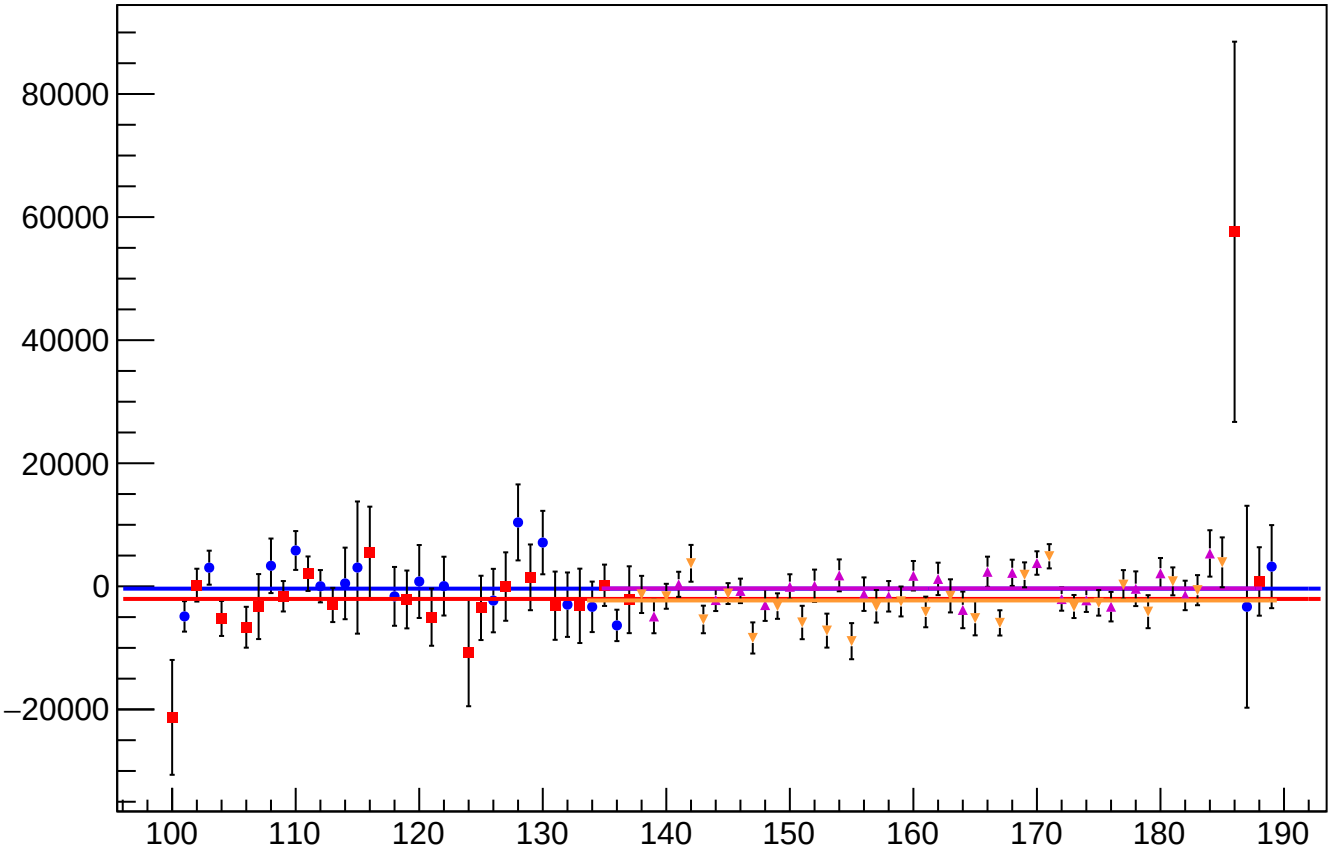
Left In: 297.885+/-0.051 χ^2/NDF:1319062.0/22

+ sign 288.043+/-0.040 χ^2/NDF: 2404305.4/42

All: 285.983+/-0.028 χ^2/NDF: 5207214.2/86

- sign 283.944+/-0.040 χ^2/NDF: 2797681.9/43

asym_sam4_dit_correction_mean vs Slug



Right In: -375.044+/-944.143 χ^2/NDF: 21.5/17

Left Out: -2290.992+/-470.518 χ^2/NDF:51.7/24

Right Out: -2046.732+/-889.129 χ^2/NDF: 18.0/20

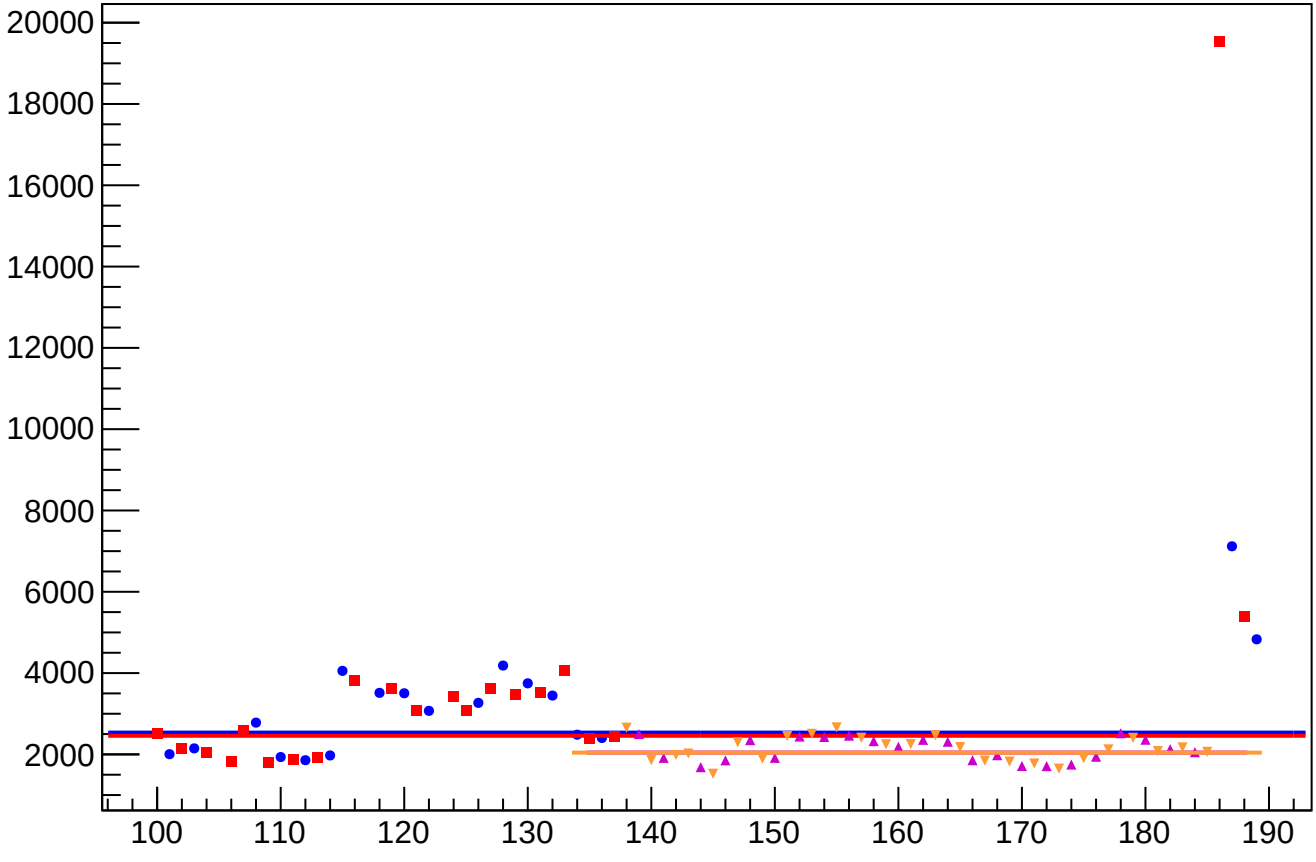
Left In: -342.609+/-483.605 χ^2/NDF:22.8/22

+ sign -1909.820+/-421.121 χ^2/NDF: 76.5/42

All: -1325.905+/-299.080 χ^2/NDF: 124.0/86

- sign -731.656+/-424.830 χ^2/NDF: 43.7/43

asym_sam4_dit_correction_rms vs Slug



Right In: 2536.116+/-0.668 χ^2/NDF: 1311840.1/17

Left Out: 2043.746+/-0.333 χ^2/NDF:853391.4/24

Right Out: 2457.911+/-0.629 χ^2/NDF: 2267431.1/20

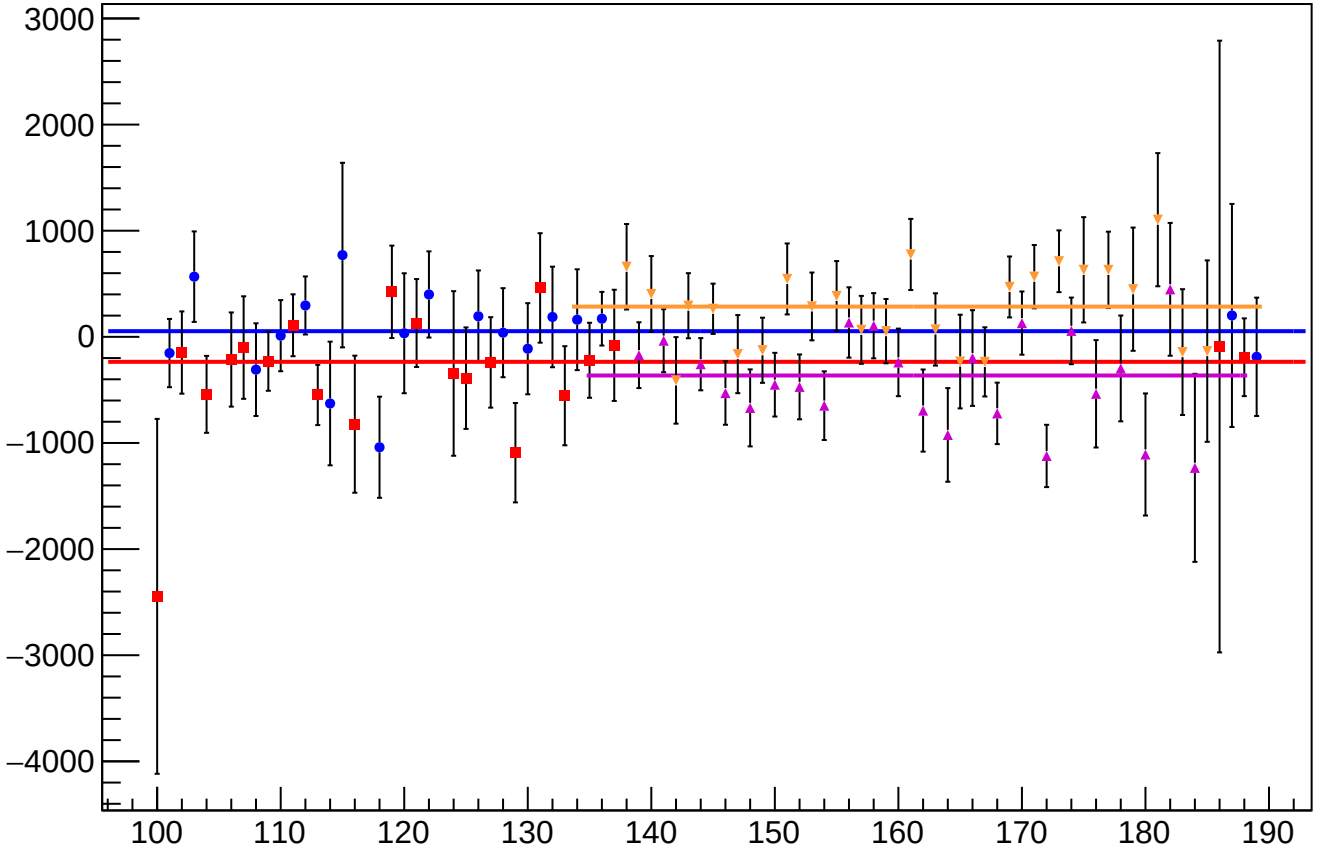
Left In: 2045.178+/-0.342 χ^2/NDF:690219.7/22

+ sign 2141.701+/-0.298 χ^2/NDF: 2600943.7/42

All: 2140.563+/-0.211 χ^2/NDF: 5891197.7/86

- sign 2139.404+/-0.300 χ^2/NDF: 3290224.5/43

eigen_dit_asym_sam4_mean vs Slug



Right In: 53.404+/-97.276 χ^2/NDF: 12.2/17

Left Out: 284.918+/-70.036 χ^2/NDF:22.8/24

Right Out: -235.450+/-91.968 χ^2/NDF: 15.0/20

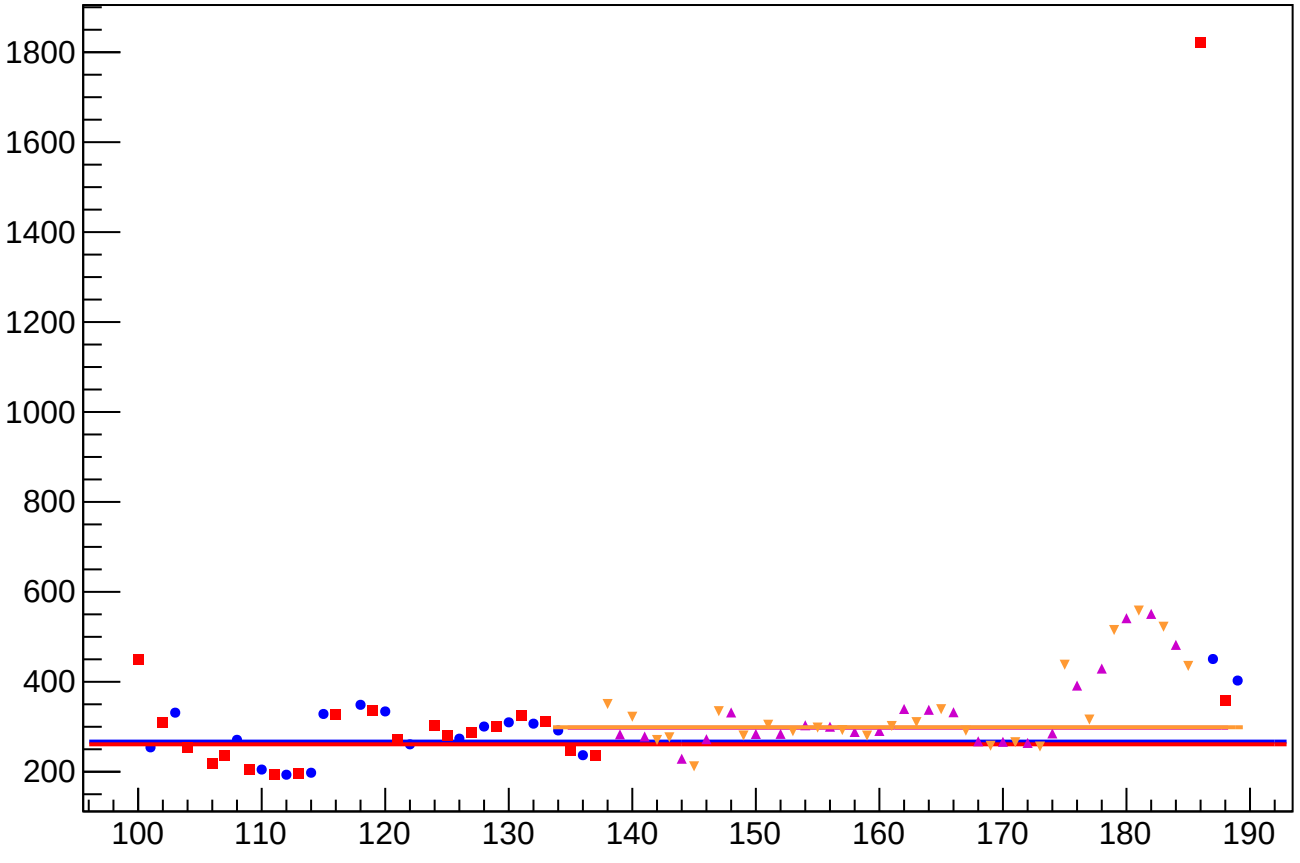
Left In: -364.164+/-71.714 χ^2/NDF:28.2/22

+ sign 205.880+/-56.837 χ^2/NDF: 38.8/42

All: -56.117+/-40.089 χ^2/NDF: 125.4/86

- sign -315.494+/-56.553 χ^2/NDF: 44.4/43

eigen_dit_asym_sam4_rms vs Slug



Right In: 267.025+/-0.069 χ^2/NDF: 649457.3/17

Left Out: 298.938+/-0.050 χ^2/NDF:1613074.5/24

Right Out: 261.016+/-0.065 χ^2/NDF: 1278732.1/20

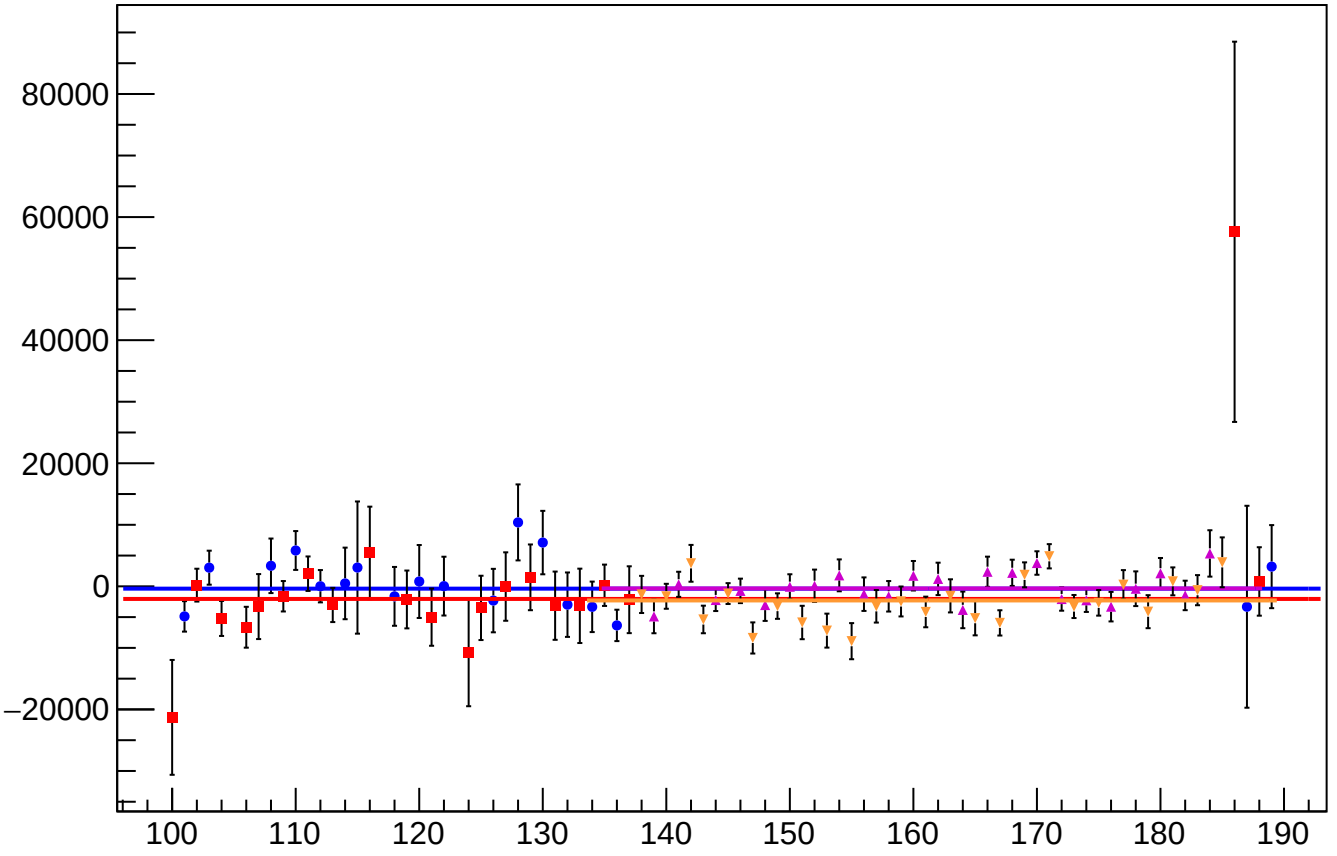
Left In: 297.885+/-0.051 χ^2/NDF:1319043.7/22

+ sign 288.043+/-0.040 χ^2/NDF: 2404304.2/42

All: 285.983+/-0.028 χ^2/NDF: 5207201.4/86

- sign 283.944+/-0.040 χ^2/NDF: 2797670.3/43

asym_sam4_eigen_dit_correction_mean vs Slug



Right In: -375.043+/-944.143 χ^2/NDF: 21.5/17

Left Out: -2290.986+/-470.517 χ^2/NDF:51.7/24

Right Out: -2046.730+/-889.129 χ^2/NDF: 18.0/20

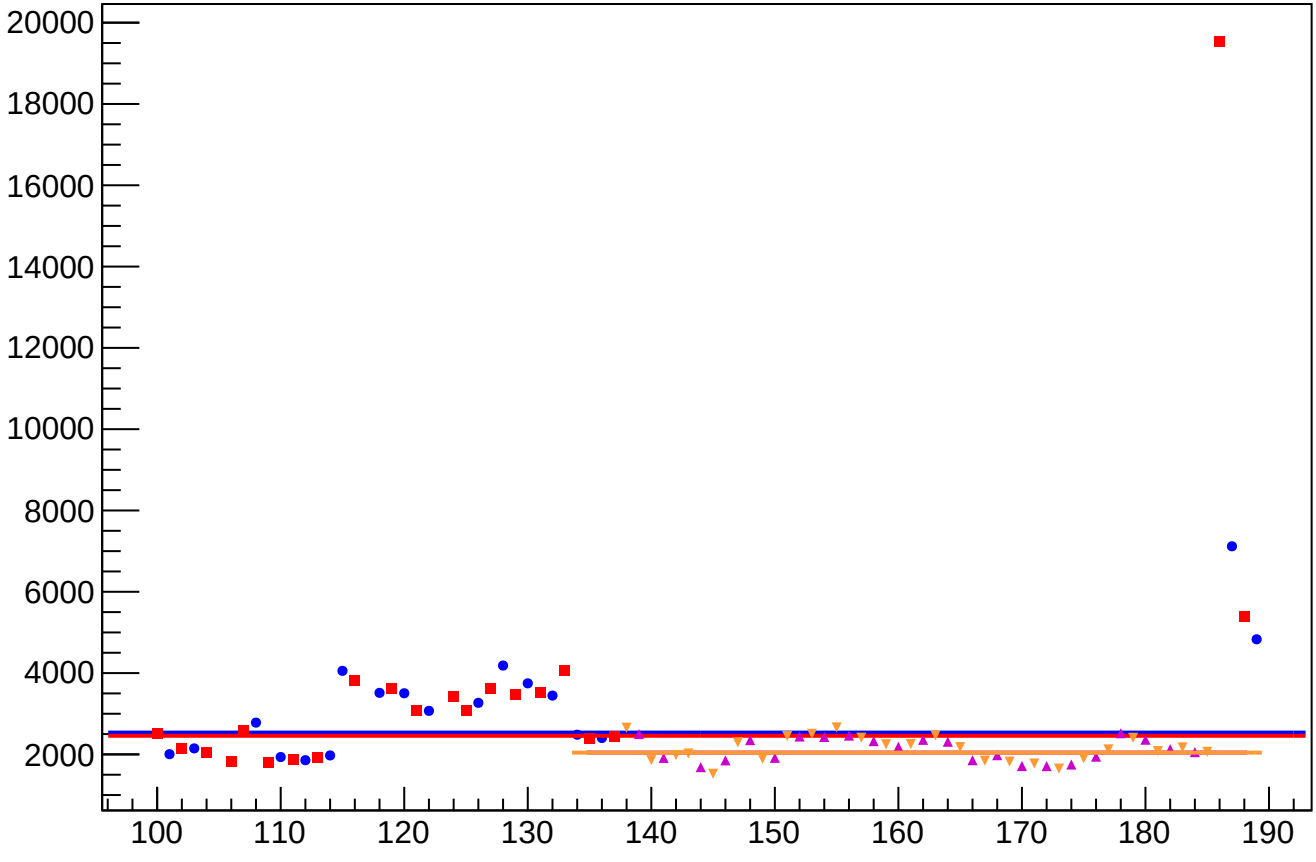
Left In: -342.606+/-483.604 χ^2/NDF:22.8/22

+ sign -1909.816+/-421.120 χ^2/NDF: 76.5/42

All: -1325.901+/-299.080 χ^2/NDF: 124.0/86

- sign -731.653+/-424.830 χ^2/NDF: 43.7/43

asym_sam4_eigen_dit_correction_rms vs Slug



Right In: 2536.114+/-0.668 χ^2/NDF: 1311842.4/17

Left Out: 2043.742+/-0.333 χ^2/NDF:853393.7/24

Right Out: 2457.909+/-0.629 χ^2/NDF: 2267431.2/20

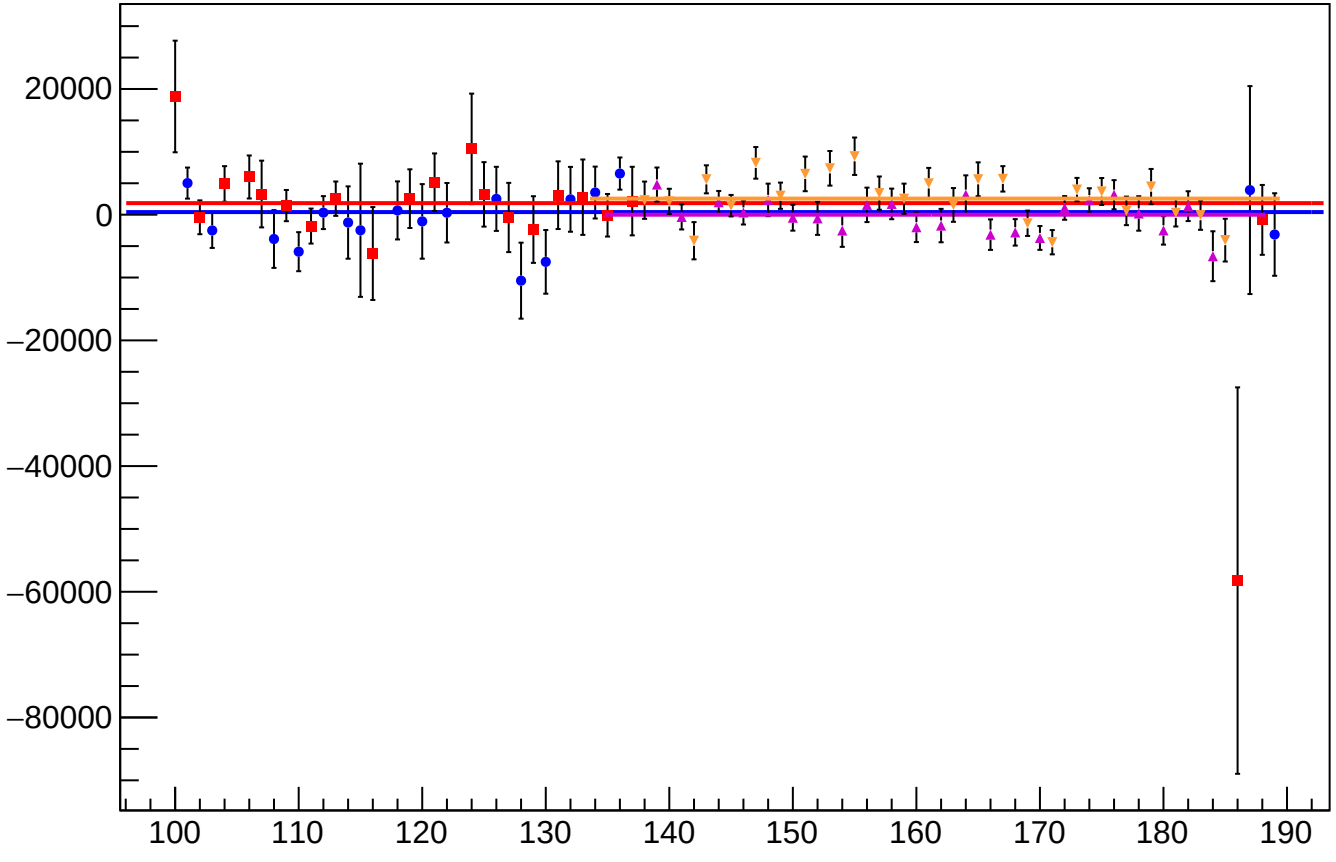
Left In: 2045.175+/-0.342 χ^2/NDF:690218.2/22

+ sign 2141.698+/-0.298 χ^2/NDF: 2600951.5/42

All: 2140.560+/-0.211 χ^2/NDF: 5891206.6/86

- sign 2139.401+/-0.300 χ^2/NDF: 3290225.6/43

asym_sam4_mean vs Slug



Right In: 413.758+/-941.349 χ^2/NDF: 22.5/17

Left Out: 2559.048+/-465.944 χ^2/NDF:52.7/24

Right Out: 1838.325+/-887.778 χ^2/NDF: 16.9/20

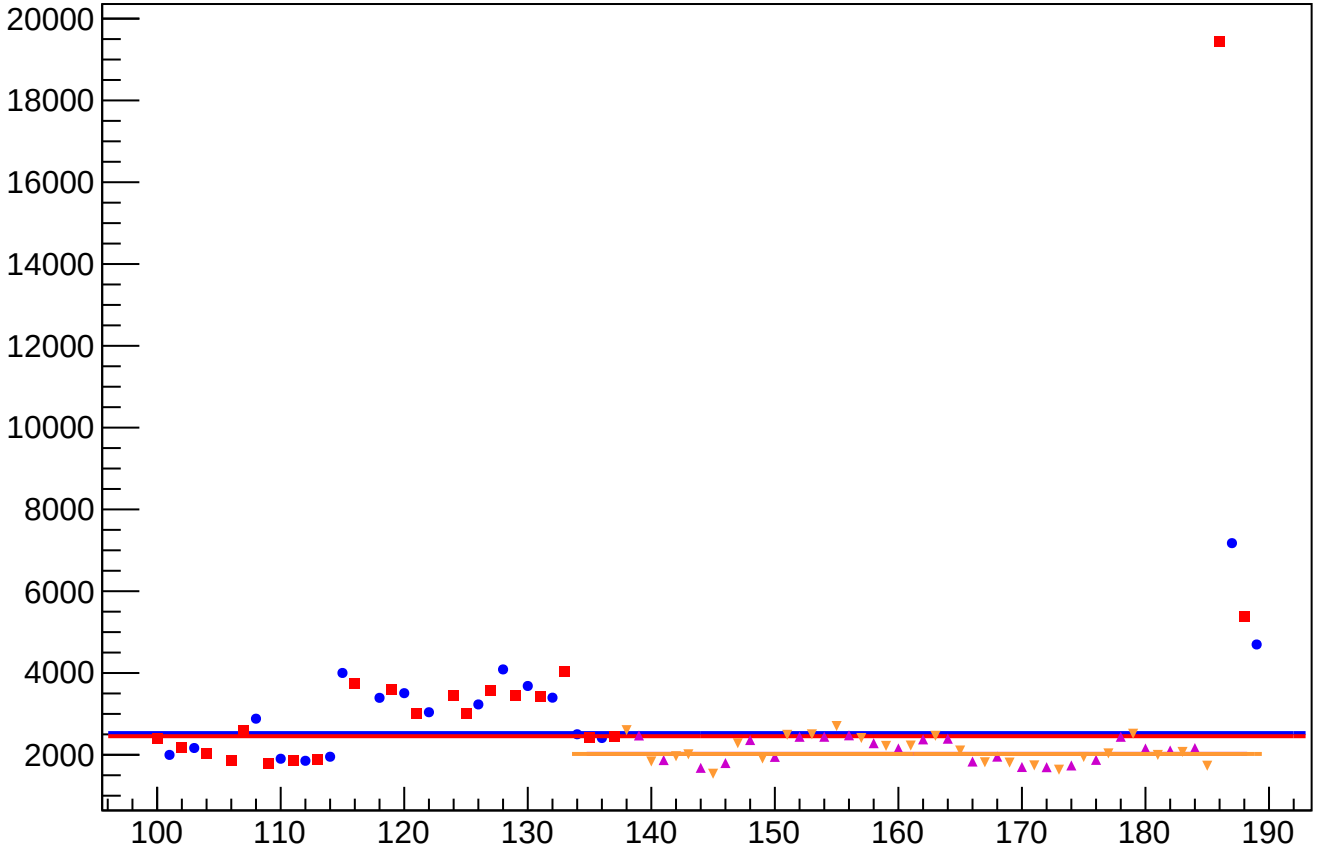
Left In: -3.474+/-478.514 χ^2/NDF:24.7/22

+ sign 2136.882+/-417.589 χ^2/NDF: 79.3/42

All: 1281.492+/-296.556 χ^2/NDF: 132.7/86

- sign 411.152+/-421.223 χ^2/NDF: 44.9/43

asym_sam4_rms vs Slug



Right In: 2530.678+/-0.666 χ^2/NDF: 1269921.7/17

Left Out: 2021.266+/-0.329 χ^2/NDF:881370.9/24

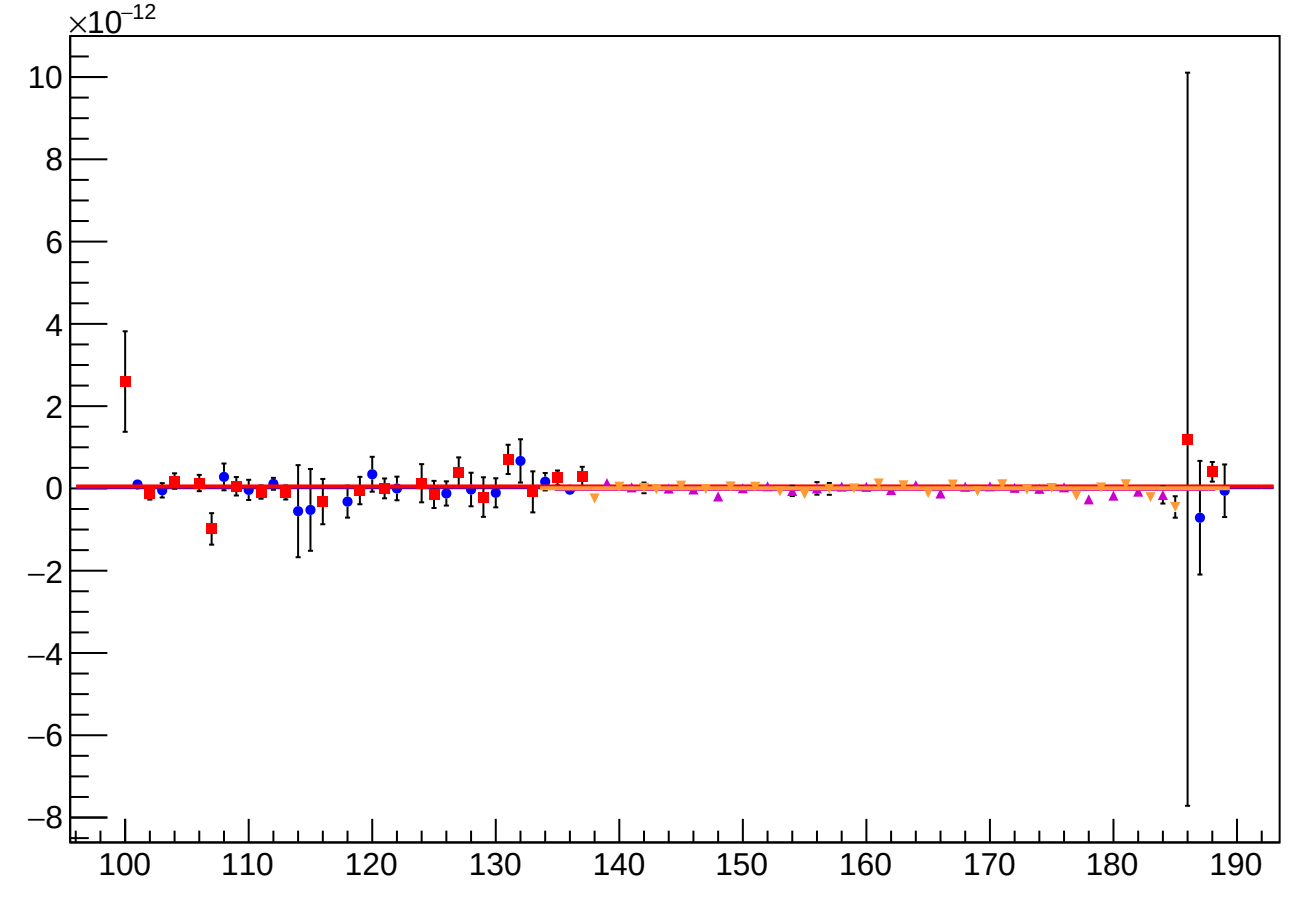
Right Out: 2454.522+/-0.628 χ^2/NDF: 2232821.7/20

Left In: 2023.284+/-0.338 χ^2/NDF:696055.4/22

+ sign 2121.512+/-0.295 χ^2/NDF: 2621726.5/42

All: 2120.943+/-0.210 χ^2/NDF: 5916281.6/86

- sign 2120.364+/-0.298 χ^2/NDF: 3294547.6/43



Right In: 0.000+/-0.000 χ^2/NDF: 6.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:32.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.5/20

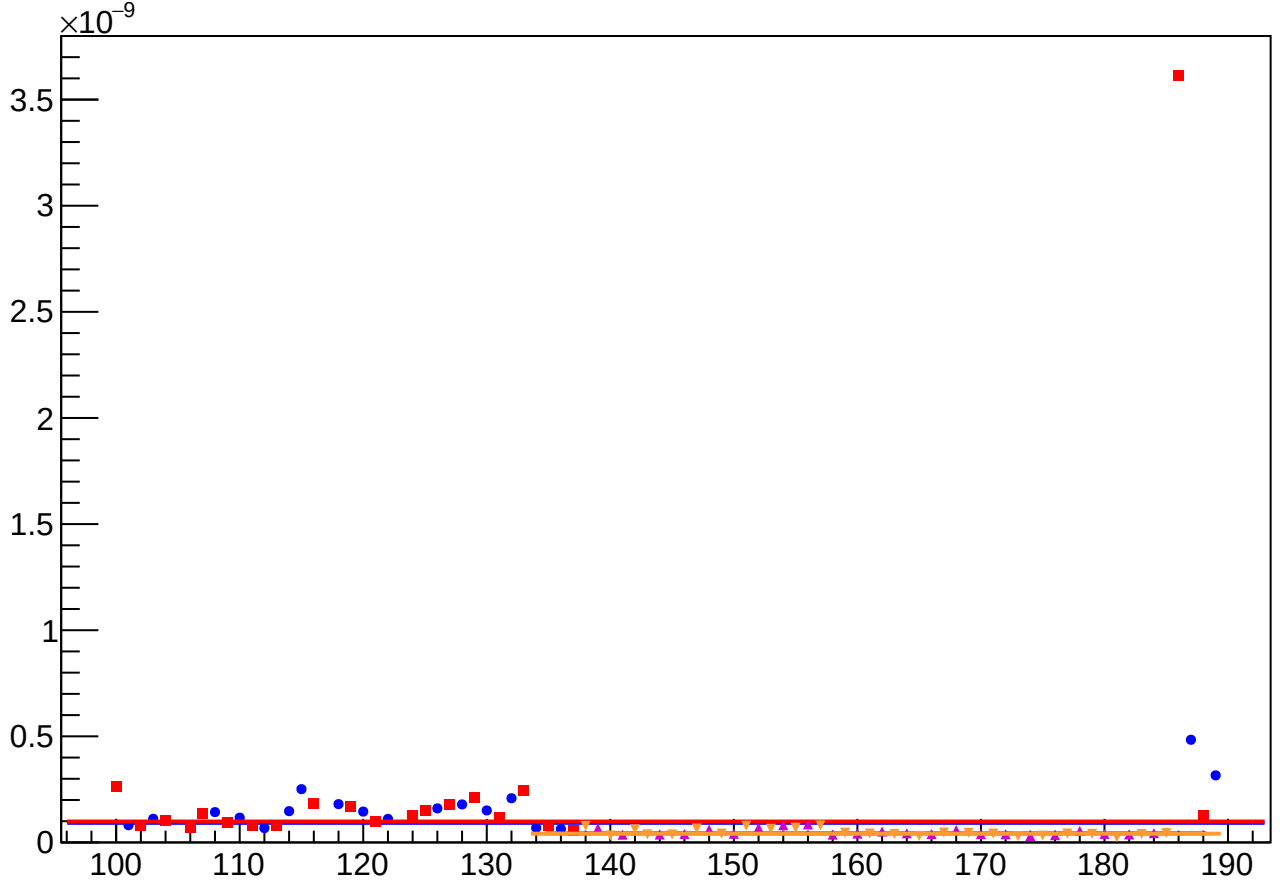
Left In: -0.000+/-0.000 χ^2/NDF:20.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 38.8/42

All: 0.000+/-0.000 χ^2/NDF: 86.6/86

- sign -0.000+/-0.000 χ^2/NDF: 47.5/43

asym_sam4_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1335145.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:1235677.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1195241.0/20

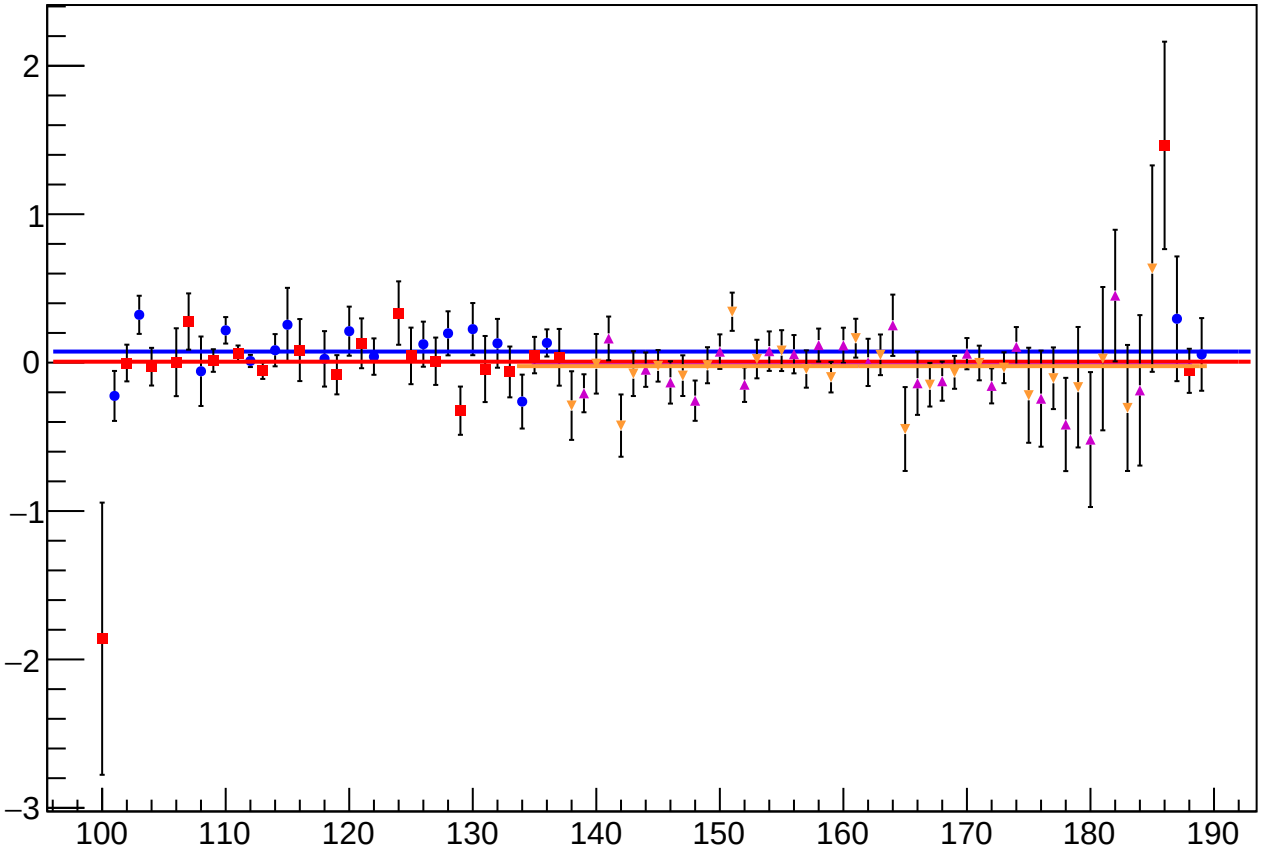
Left In: 0.000+/-0.000 χ^2/NDF:931395.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 4324757.5/42

All: 0.000+/-0.000 χ^2/NDF: 8375762.5/86

- sign 0.000+/-0.000 χ^2/NDF: 4030780.6/43

asym_sam4_dit_vs_cor_diff_mean vs Slug



Right In: 0.075+/-0.027 χ^2/NDF: 19.3/17

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.006+/-0.026 χ^2/NDF: 20.9/20

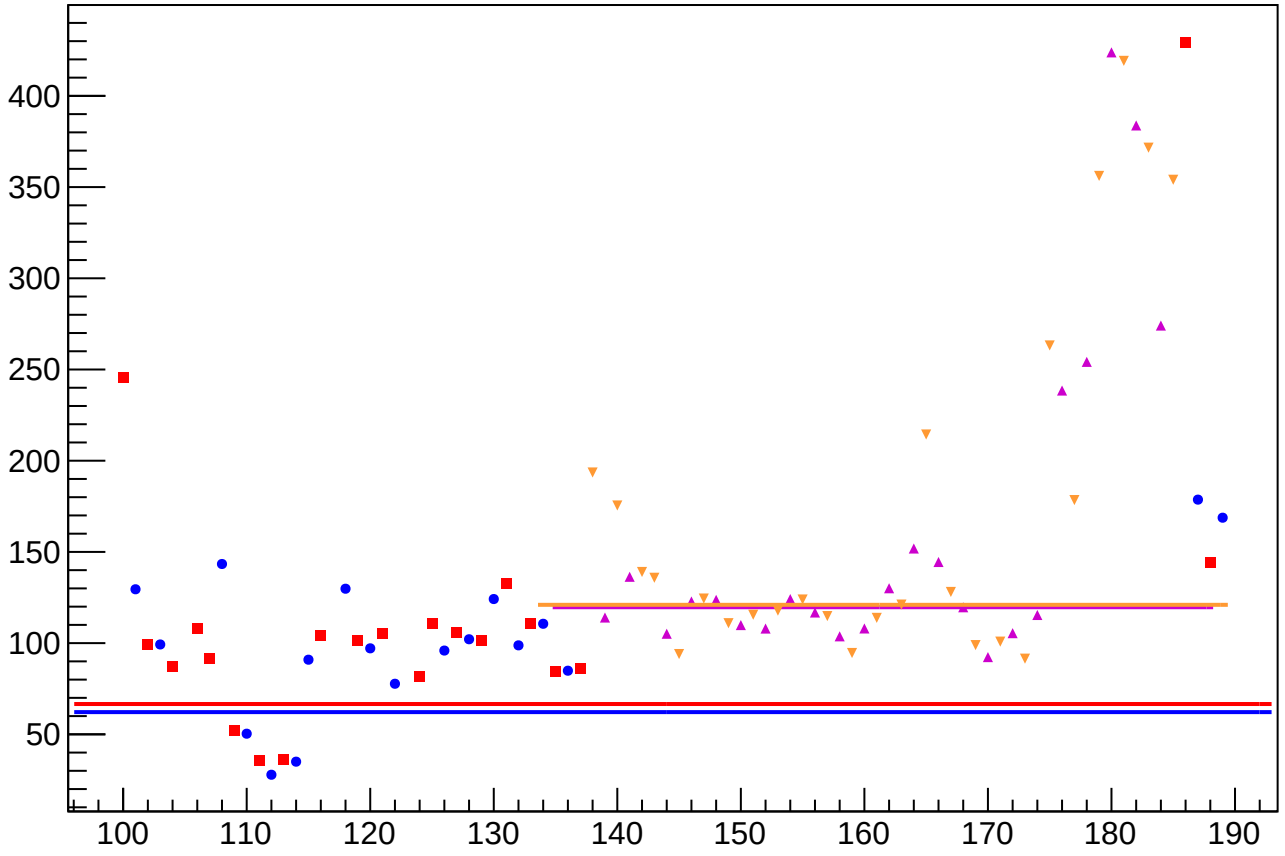
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.031+/-0.020 χ^2/NDF: 47.5/42

All: 0.013+/-0.014 χ^2/NDF: 93.4/86

- sign -0.005+/-0.020 χ^2/NDF: 44.3/43

asym_sam4_dit_vs_cor_diff_rms vs Slug



Right In: 62.180+/-0.019 χ^2/NDF: 4079456.1/17

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

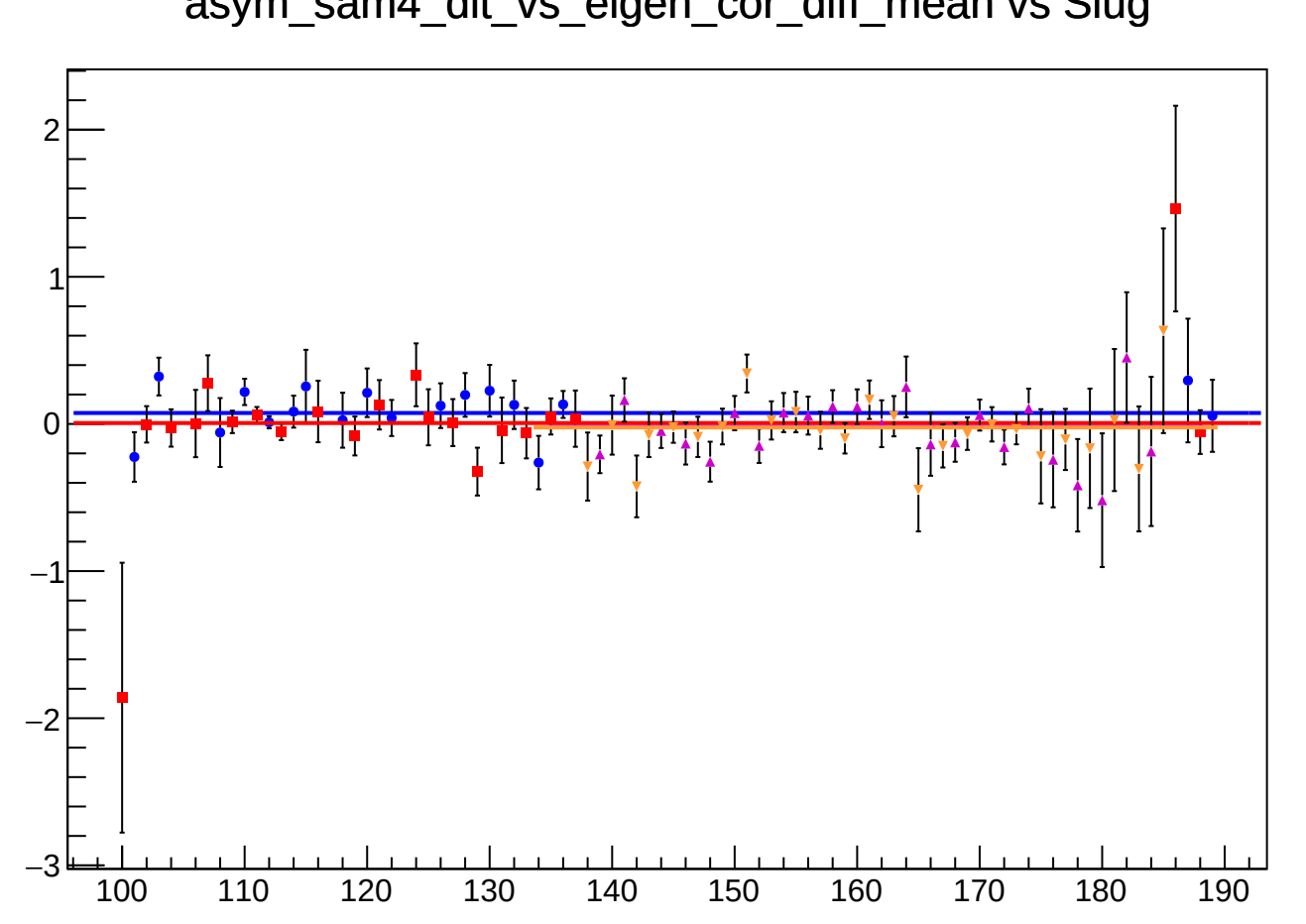
Right Out: 66.620+/-0.019 χ^2/NDF: 3765799.3/20

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

+ sign 88.374+/-0.014 χ^2/NDF: 12466850.3/42

All: 88.973+/-0.010 χ^2/NDF: 22572285.0/86

- sign 89.567+/-0.014 χ^2/NDF: 10101848.5/43



Right In: 0.075+/-0.027 χ^2/NDF: 19.3/17

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.006+/-0.026 χ^2/NDF: 20.9/20

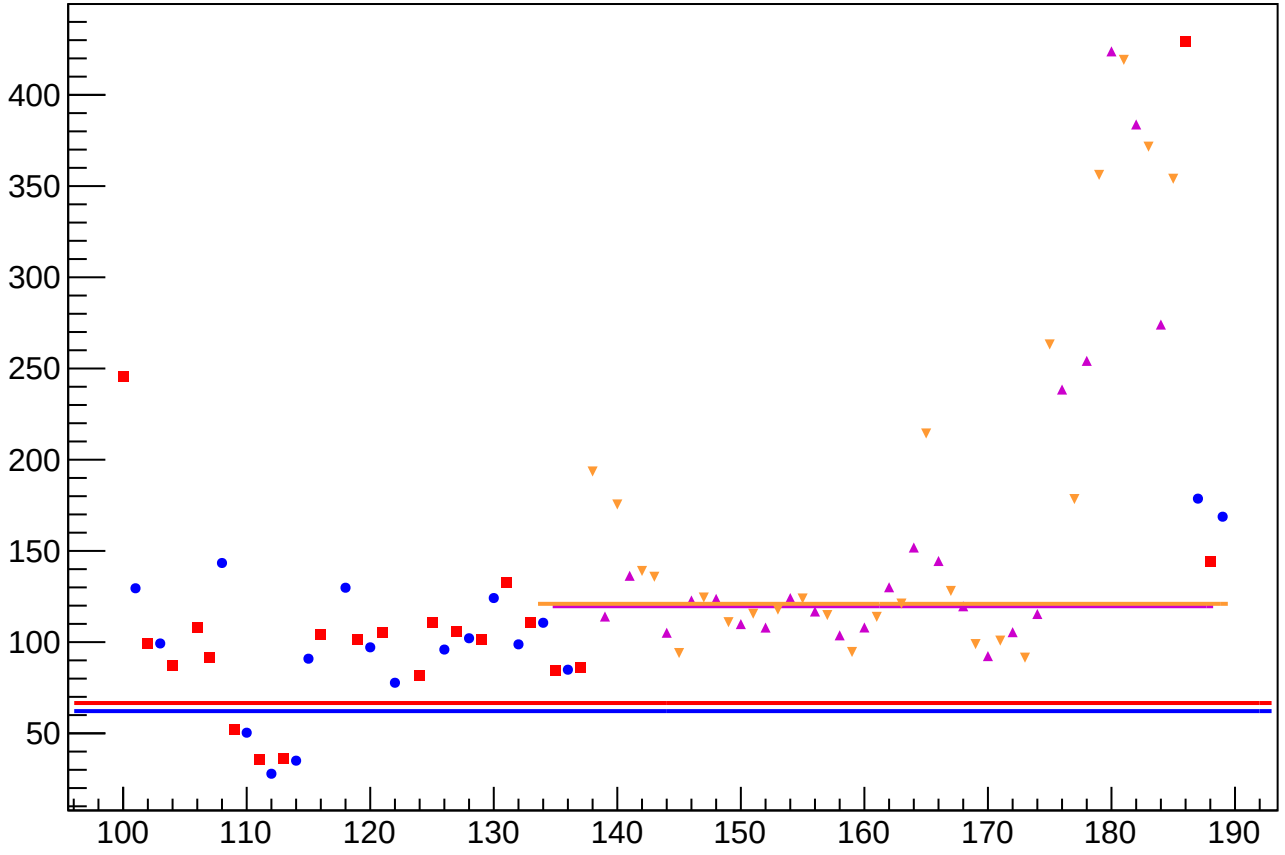
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.031+/-0.020 χ^2/NDF: 47.5/42

All: 0.013+/-0.014 χ^2/NDF: 93.4/86

- sign -0.005+/-0.020 χ^2/NDF: 44.3/43

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 62.180+/-0.019 χ^2/NDF: 4079456.1/17

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

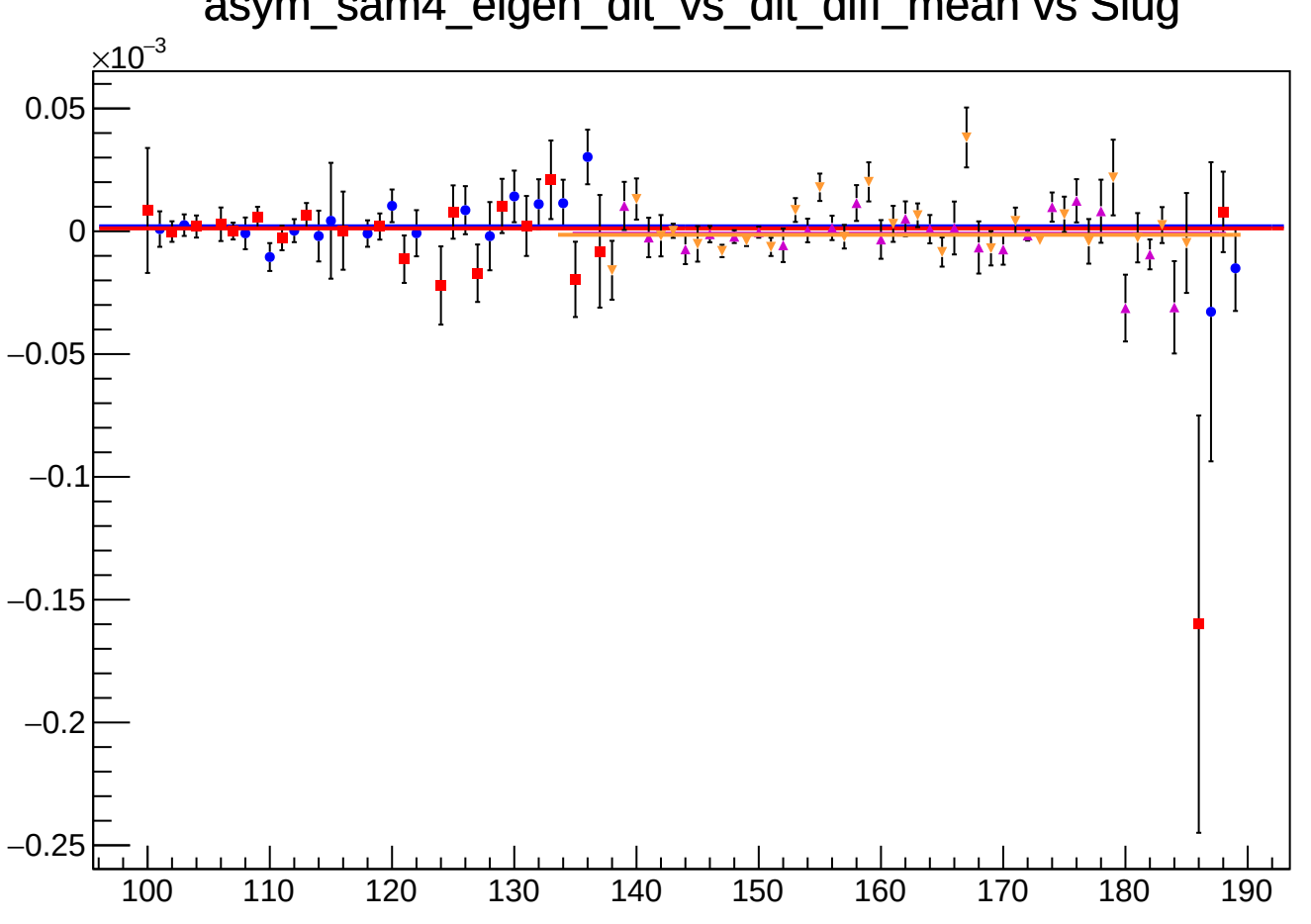
Right Out: 66.620+/-0.019 χ^2/NDF: 3765799.3/20

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

+ sign 88.374+/-0.014 χ^2/NDF: 12466850.3/42

All: 88.973+/-0.010 χ^2/NDF: 22572285.0/86

- sign 89.567+/-0.014 χ^2/NDF: 10101848.5/43



Right In: 0.000+/-0.000 χ^2/NDF: 18.8/17

Left Out: -0.000+/-0.000 χ^2/NDF:60.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/20

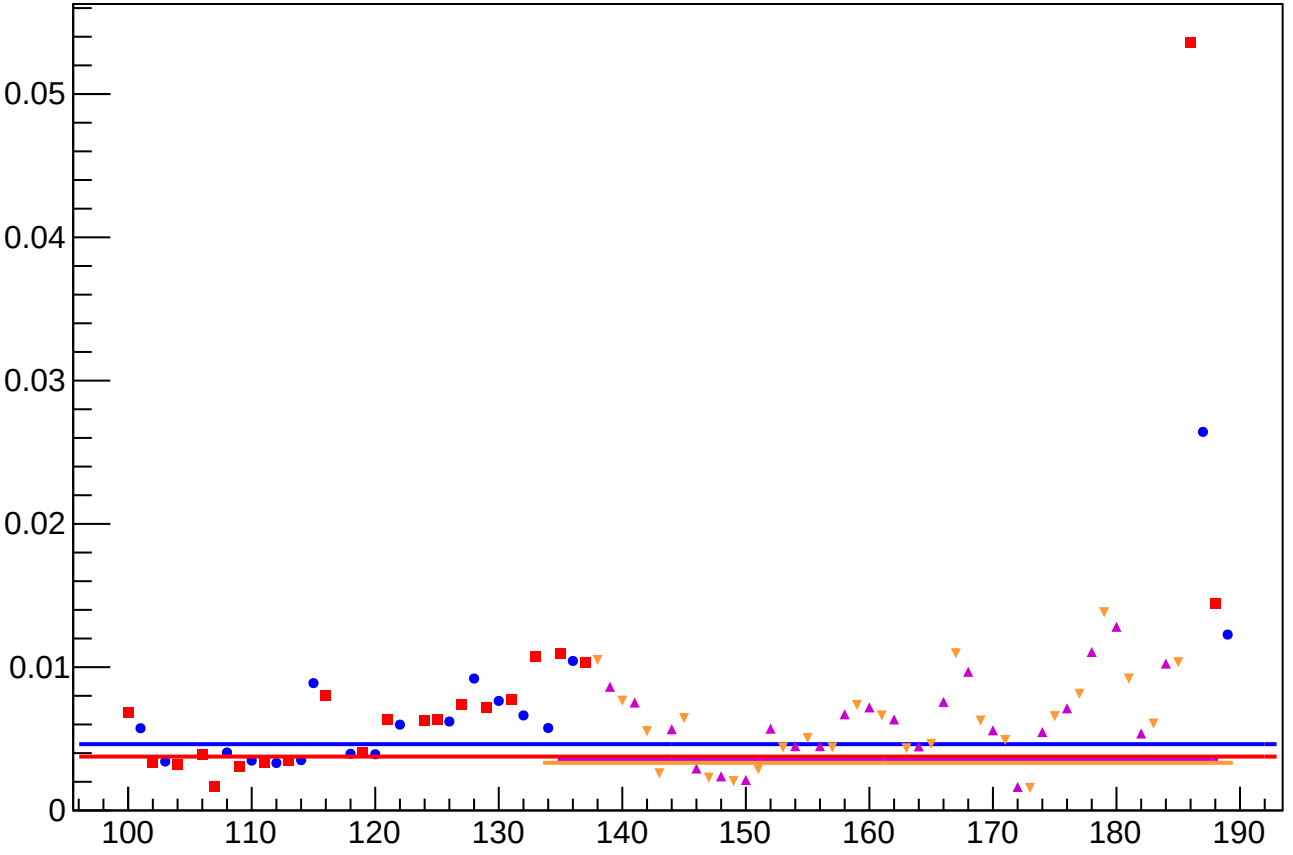
Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 82.1/42

All: -0.000+/-0.000 χ^2/NDF: 126.1/86

- sign -0.000+/-0.000 χ^2/NDF: 43.8/43

asym_sam4_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 2370793.8/17

Left Out: 0.003+/-0.000 χ^2/NDF:10486084.0/24

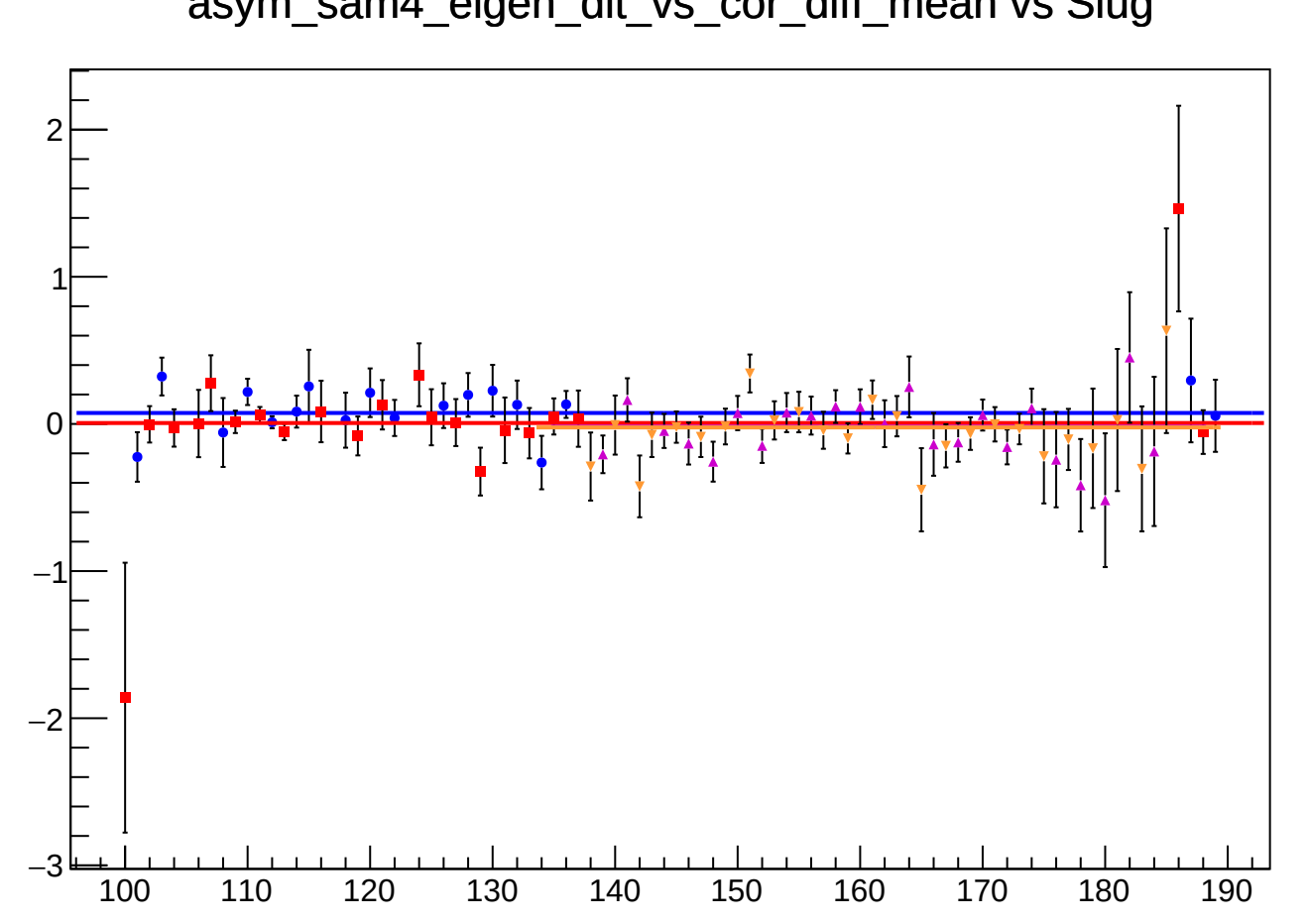
Right Out: 0.004+/-0.000 χ^2/NDF: 4483626.7/20

Left In: 0.004+/-0.000 χ^2/NDF:9426441.5/22

+ sign 0.004+/-0.000 χ^2/NDF: 13690219.0/42

All: 0.004+/-0.000 χ^2/NDF: 27635224.1/86

- sign 0.004+/-0.000 χ^2/NDF: 13944943.7/43



Right In: 0.075+/-0.027 χ^2/NDF: 19.3/17

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.006+/-0.026 χ^2/NDF: 20.9/20

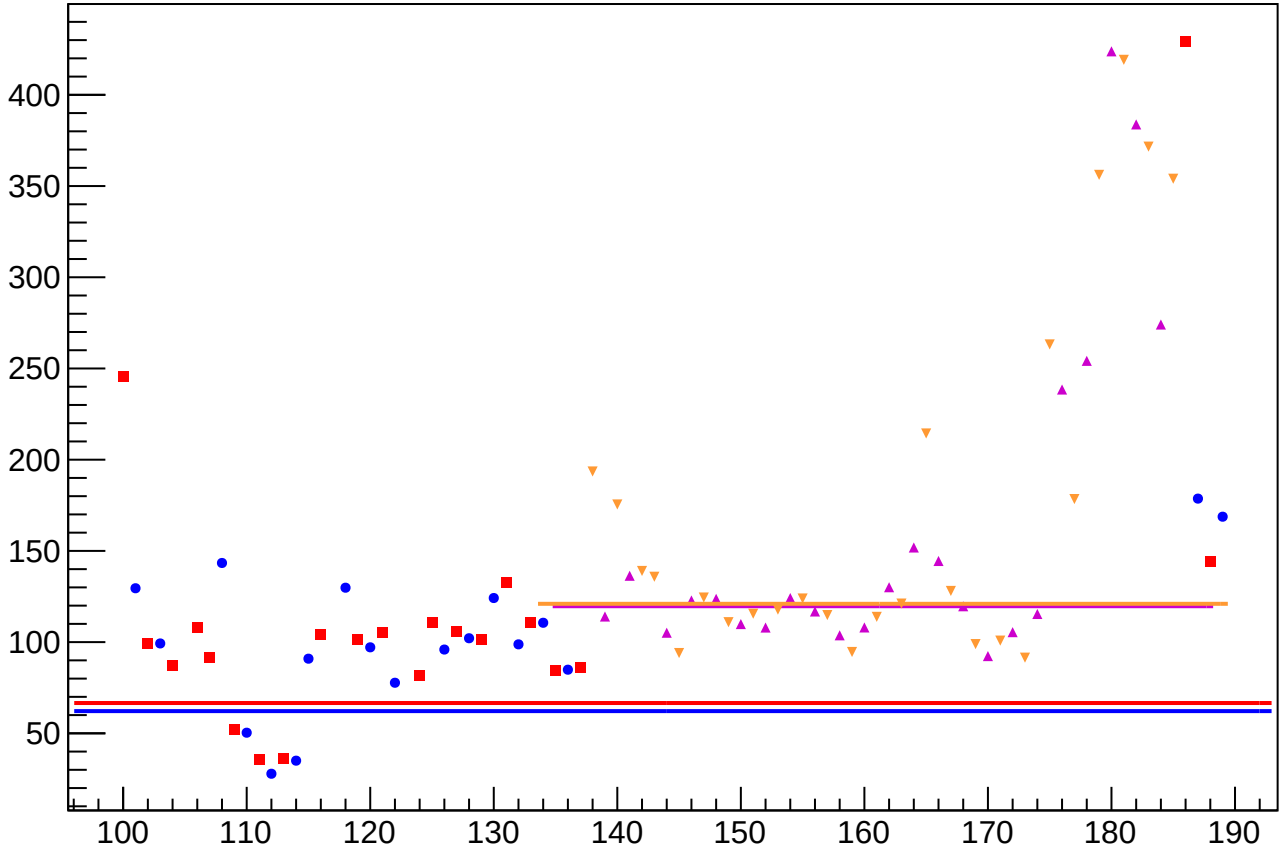
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.031+/-0.020 χ^2/NDF: 47.5/42

All: 0.013+/-0.014 χ^2/NDF: 93.4/86

- sign -0.005+/-0.020 χ^2/NDF: 44.3/43

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 62.178+/-0.019 χ^2/NDF: 4079718.2/17

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

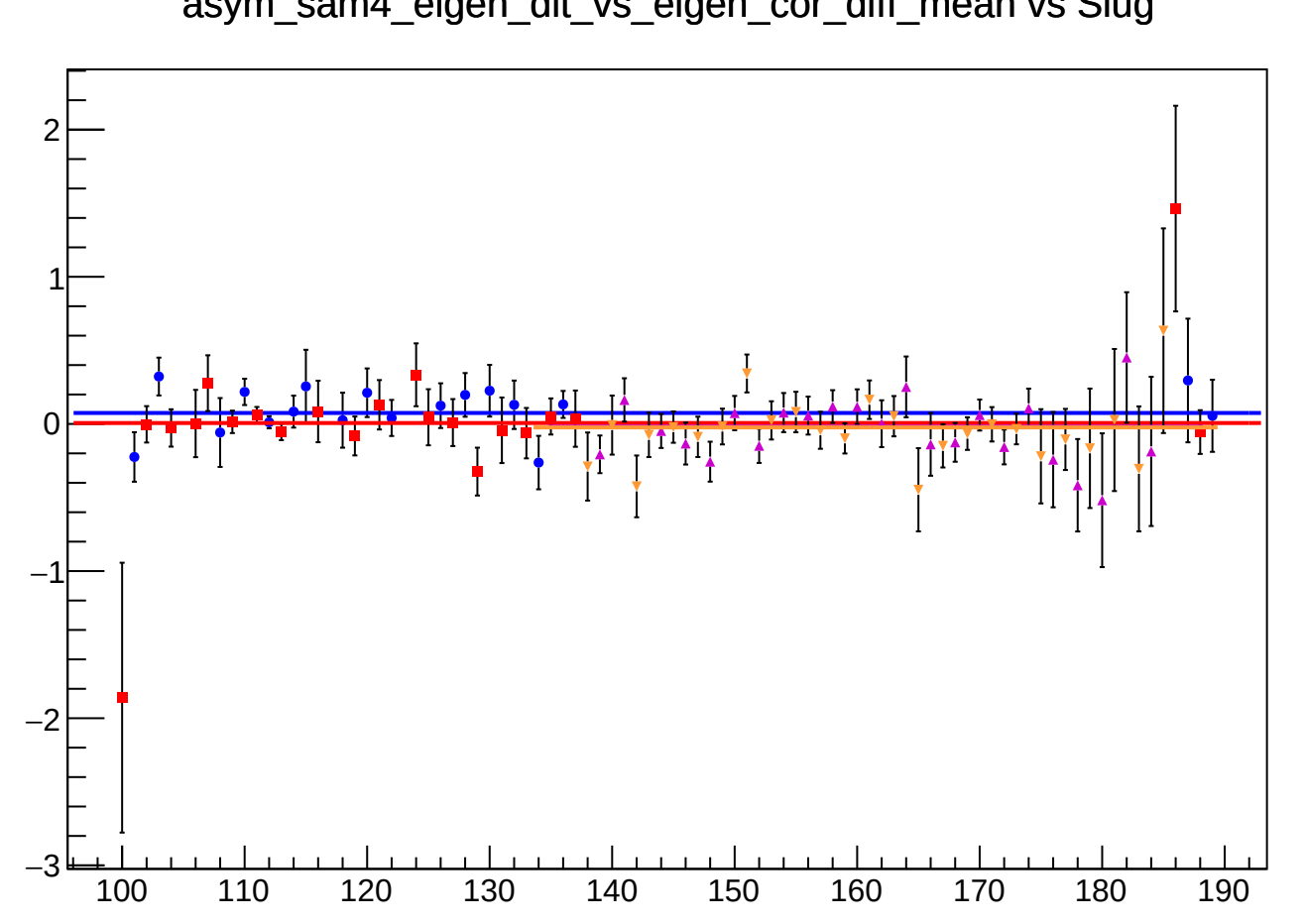
Right Out: 66.618+/-0.019 χ^2/NDF: 3766095.8/20

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

+ sign 88.373+/-0.014 χ^2/NDF: 12467559.1/42

All: 88.971+/-0.010 χ^2/NDF: 22573617.8/86

- sign 89.566+/-0.014 χ^2/NDF: 10102470.3/43



Right In: 0.075+/-0.027 χ^2/NDF: 19.3/17

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

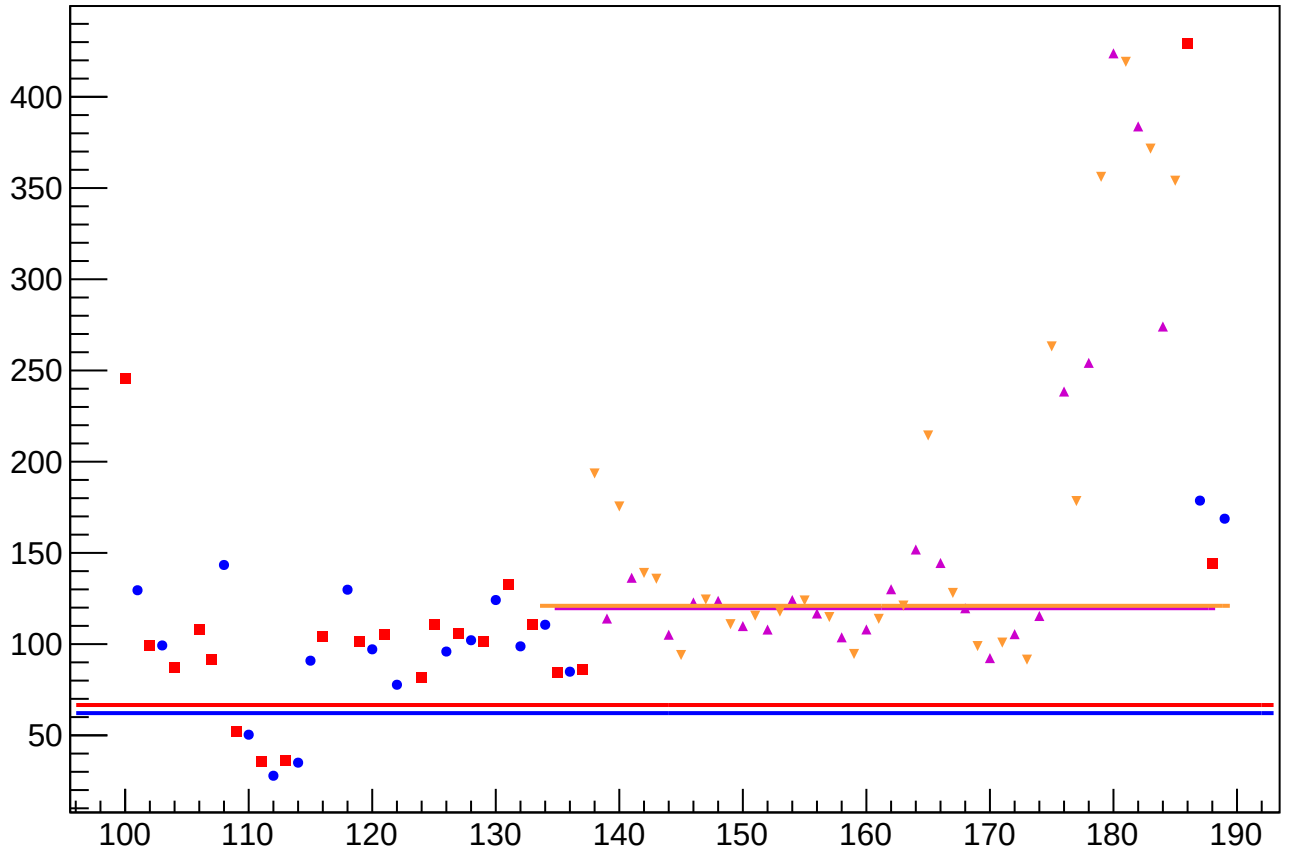
Right Out: 0.006+/-0.026 χ^2/NDF: 20.9/20

Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.031+/-0.020 χ^2/NDF: 47.5/42

All: 0.013+/-0.014 χ^2/NDF: 93.4/86

- sign -0.005+/-0.020 χ^2/NDF: 44.3/43



Right In: 62.178+/-0.019 χ^2/NDF: 4079718.2/17

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 66.618+/-0.019 χ^2/NDF: 3766095.8/20

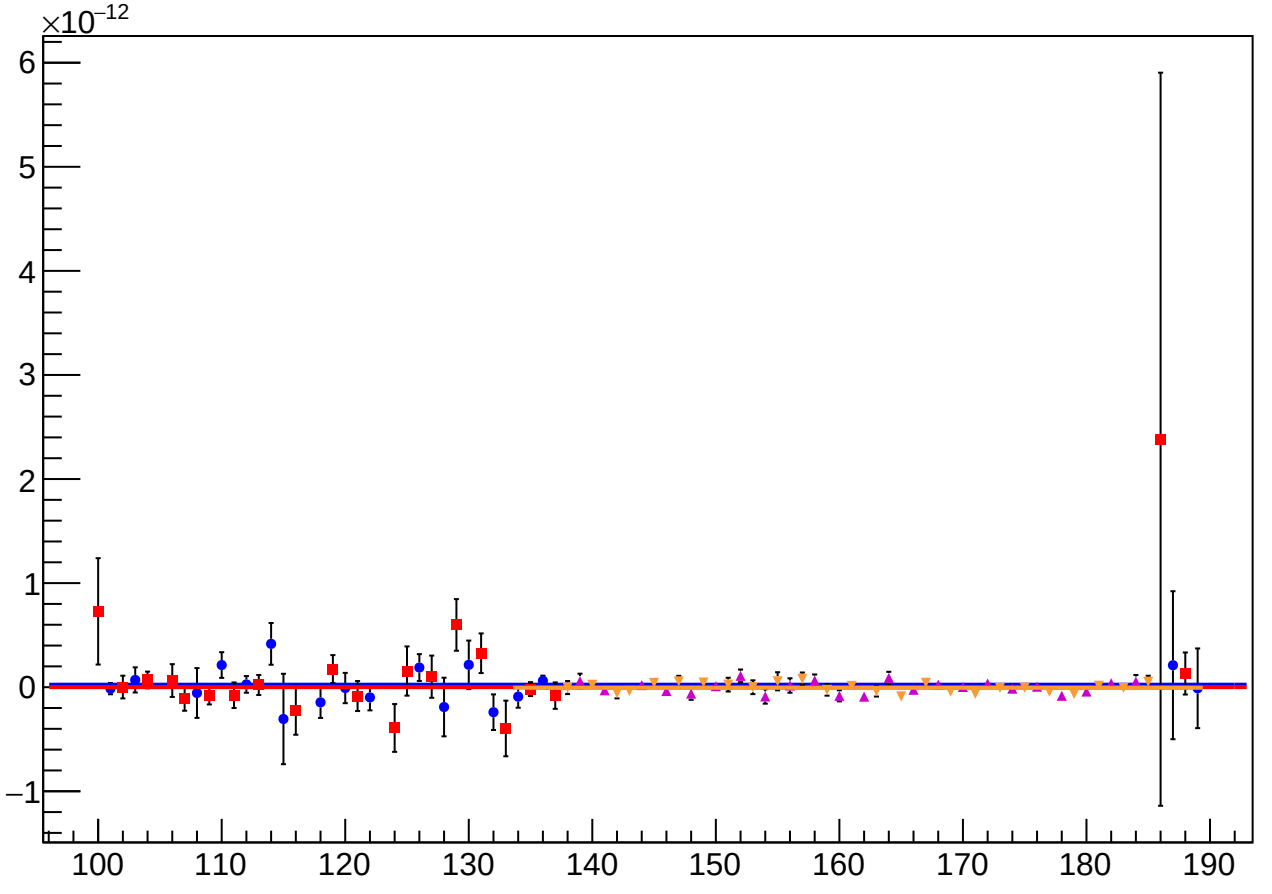
Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

+ sign 88.373+/-0.014 χ^2/NDF: 12467559.1/42

All: 88.971+/-0.010 χ^2/NDF: 22573617.8/86

- sign 89.566+/-0.014 χ^2/NDF: 10102470.3/43

asym_sam4_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/17

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/24

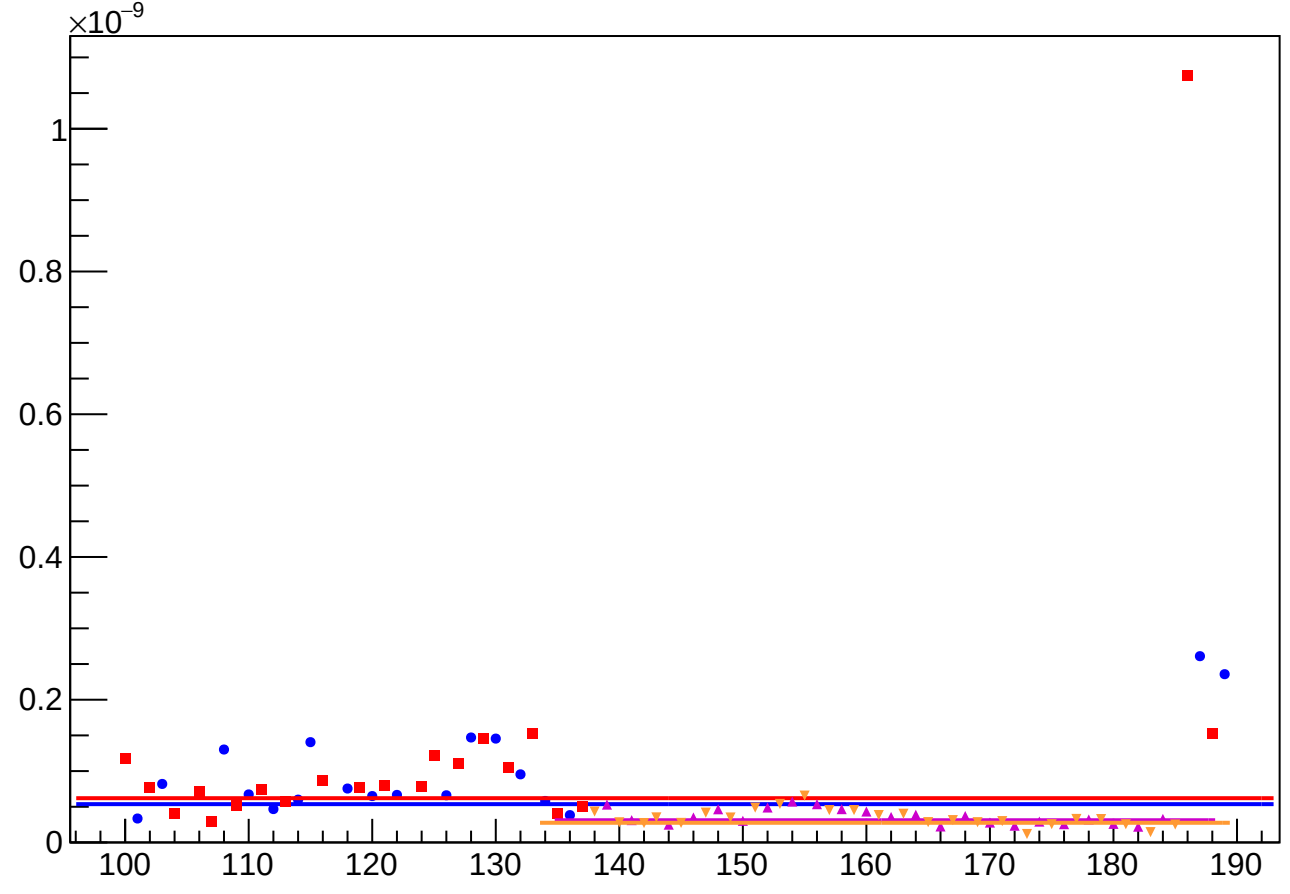
Right Out: 0.000+/-0.000 χ^2/NDF: 24.1/20

Left In: -0.000+/-0.000 χ^2/NDF:27.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.3/42

All: -0.000+/-0.000 χ^2/NDF: 91.9/86

- sign -0.000+/-0.000 χ^2/NDF: 51.7/43



Right In: 0.000+/-0.000 χ^2/NDF: 2275390.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:3691738.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2114073.3/20

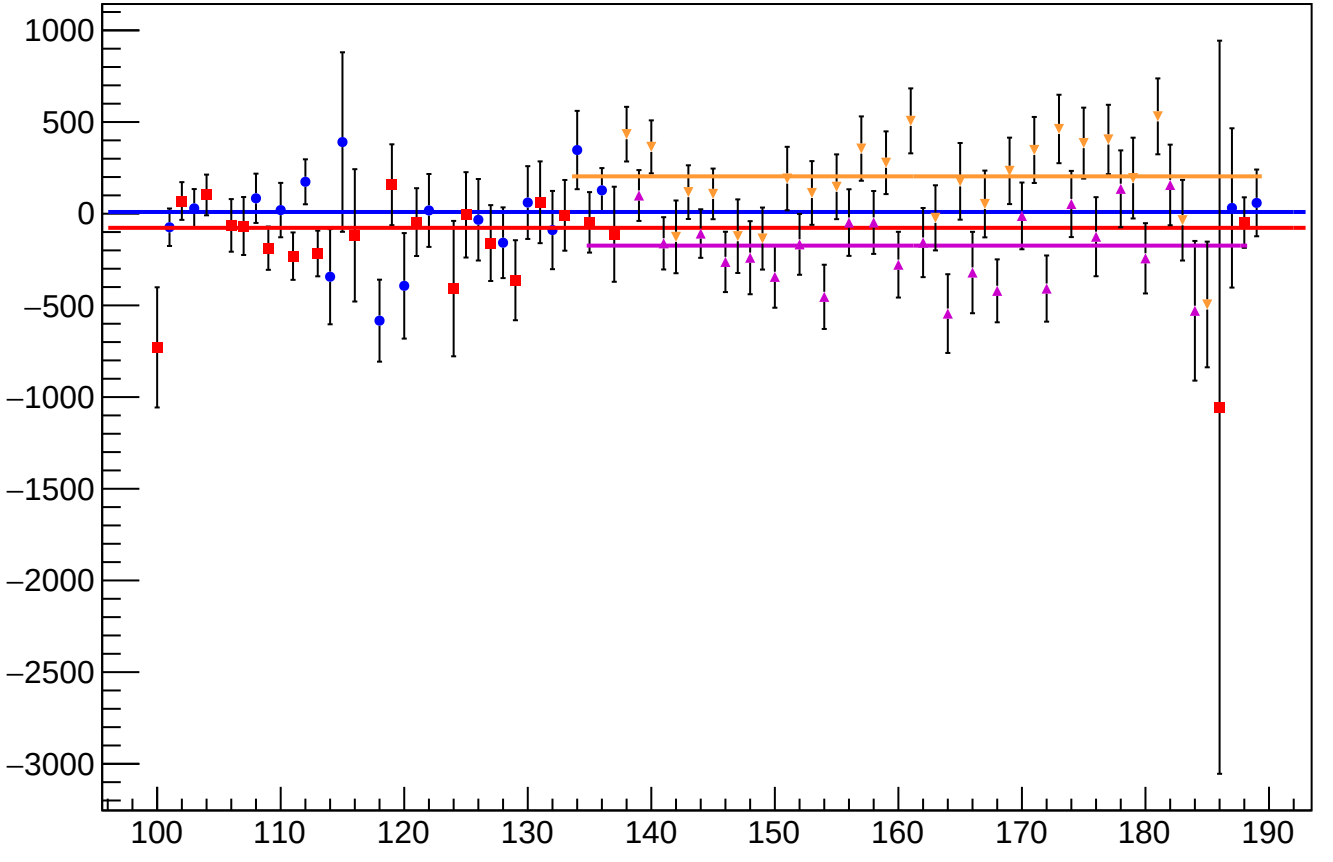
Left In: 0.000+/-0.000 χ^2/NDF:1937733.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 7790736.3/42

All: 0.000+/-0.000 χ^2/NDF: 14219214.5/86

- sign 0.000+/-0.000 χ^2/NDF: 6184504.7/43

reg_asym_sam5_mean vs Slug



Right In: 9.434+/-39.235 χ^2/NDF: 18.9/17

Left Out: 203.760+/-35.878 χ^2/NDF:32.9/24

Right Out: -77.053+/-36.541 χ^2/NDF: 17.0/20

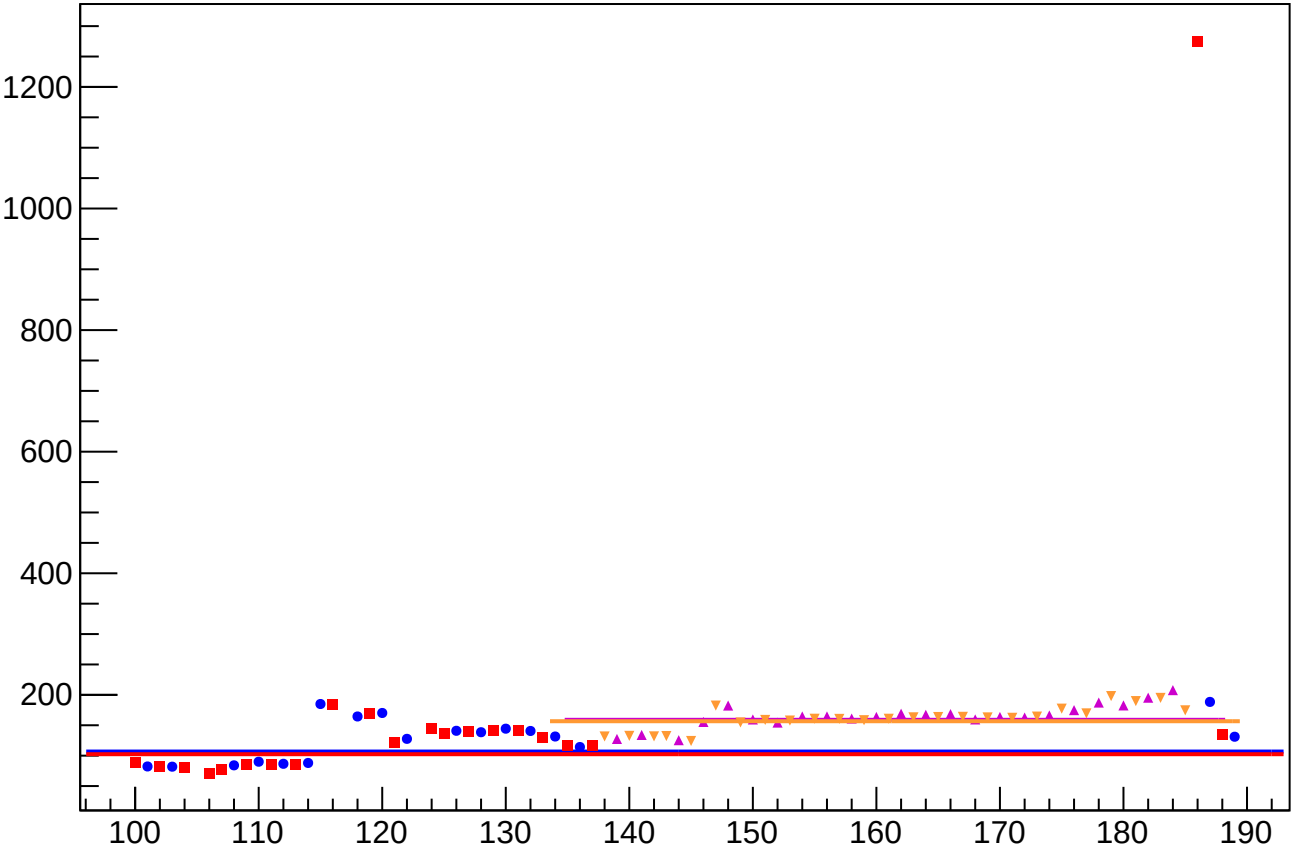
Left In: -173.974+/-37.405 χ^2/NDF:24.5/22

+ sign 115.267+/-26.477 χ^2/NDF: 65.1/42

All: -6.098+/-18.601 χ^2/NDF: 151.5/86

- sign -124.381+/-26.139 χ^2/NDF: 44.9/43

reg_asym_sam5_rms vs Slug



Right In: 106.762+/-0.028 χ^2/NDF: 1042190.3/17

Left Out: 156.638+/-0.025 χ^2/NDF:582414.4/24

Right Out: 102.385+/-0.026 χ^2/NDF: 1849248.6/20

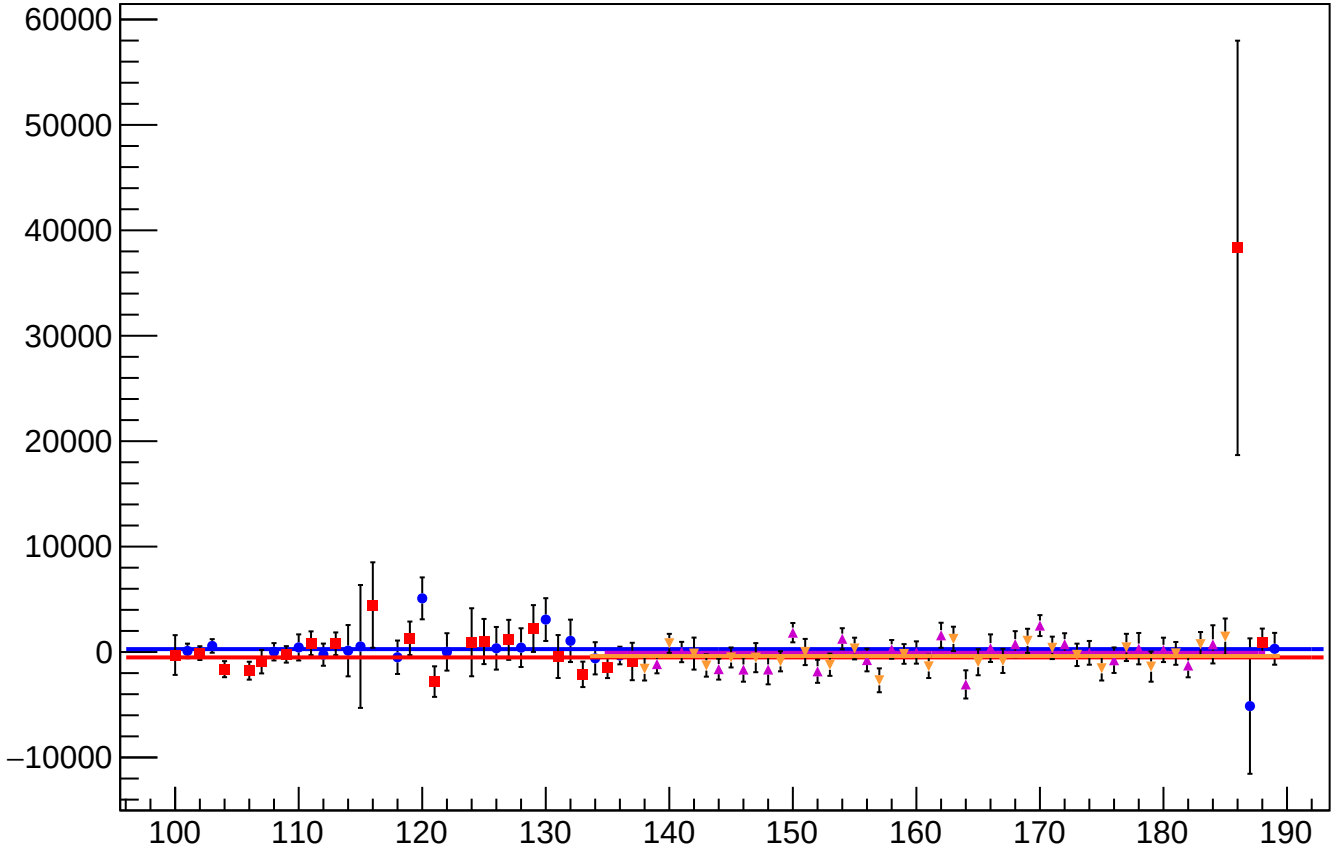
Left In: 158.952+/-0.026 χ^2/NDF:511321.2/22

+ sign 133.925+/-0.019 χ^2/NDF: 3384710.3/42

All: 131.941+/-0.013 χ^2/NDF: 8107793.9/86

- sign 130.008+/-0.018 χ^2/NDF: 4700911.7/43

asym_sam5_reg_correction_mean vs Slug



Right In: 276.782+/-287.792 χ^2/NDF: 10.4/17

Left Out: -380.690+/-224.554 χ^2/NDF:18.7/24

Right Out: -510.446+/-264.023 χ^2/NDF: 24.0/20

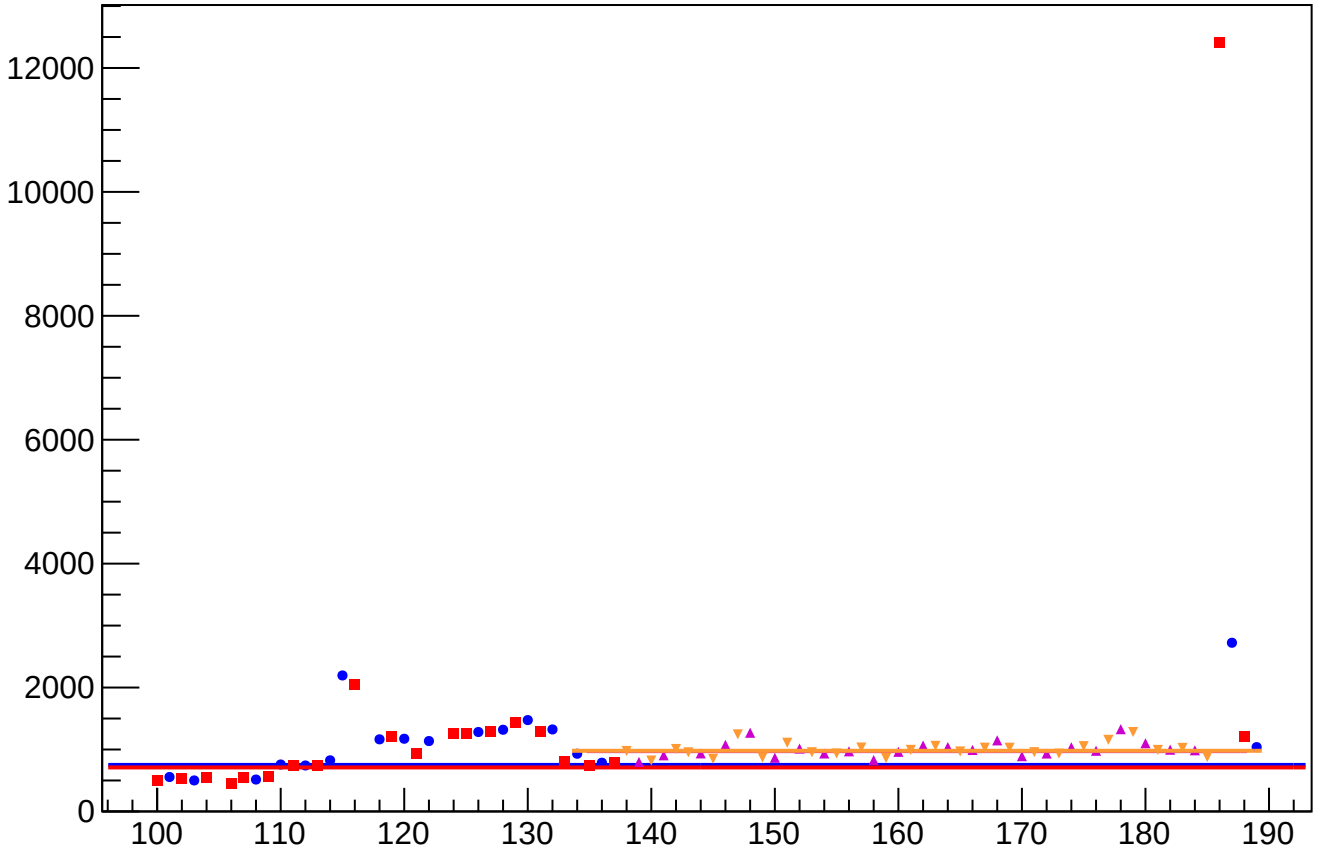
Left In: -74.440+/-229.788 χ^2/NDF:33.1/22

+ sign -131.888+/-177.039 χ^2/NDF: 32.4/42

All: -198.503+/-123.854 χ^2/NDF: 91.3/86

- sign -262.360+/-173.333 χ^2/NDF: 58.6/43

asym_sam5_reg_correction_rms vs Slug



Right In: 751.052+/-0.204 χ^2/NDF: 2110553.2/17

Left Out: 979.111+/-0.159 χ^2/NDF:429795.3/24

Right Out: 710.431+/-0.187 χ^2/NDF: 2849992.7/20

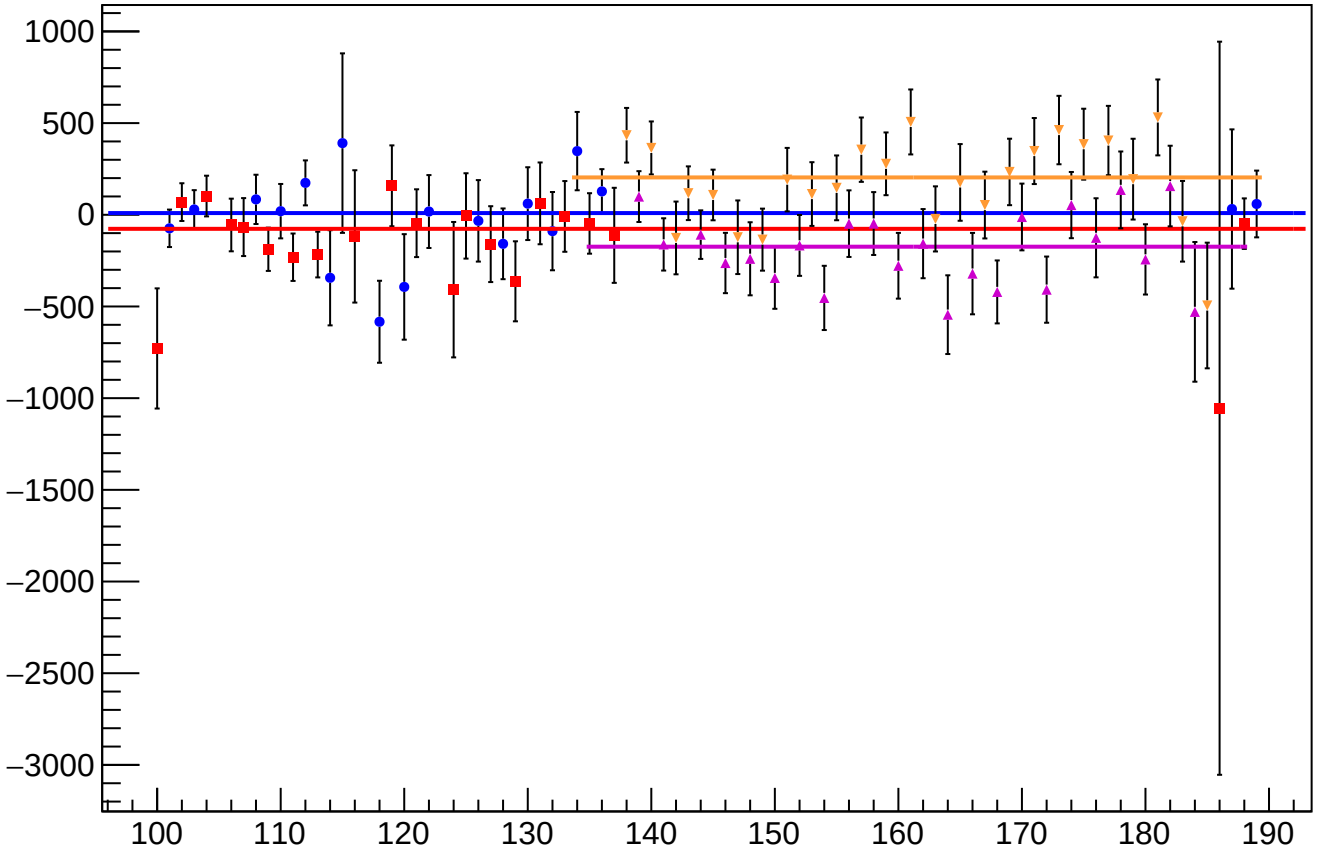
Left In: 973.818+/-0.162 χ^2/NDF:498612.7/22

+ sign 892.809+/-0.125 χ^2/NDF: 3321009.0/42

All: 876.209+/-0.088 χ^2/NDF: 7836564.1/86

- sign 860.297+/-0.123 χ^2/NDF: 4481118.2/43

cor_asym_sam5_mean vs Slug



Right In: 9.425+/-39.235 χ^2/NDF: 18.9/17

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: -76.554+/-36.544 χ^2/NDF: 17.0/20

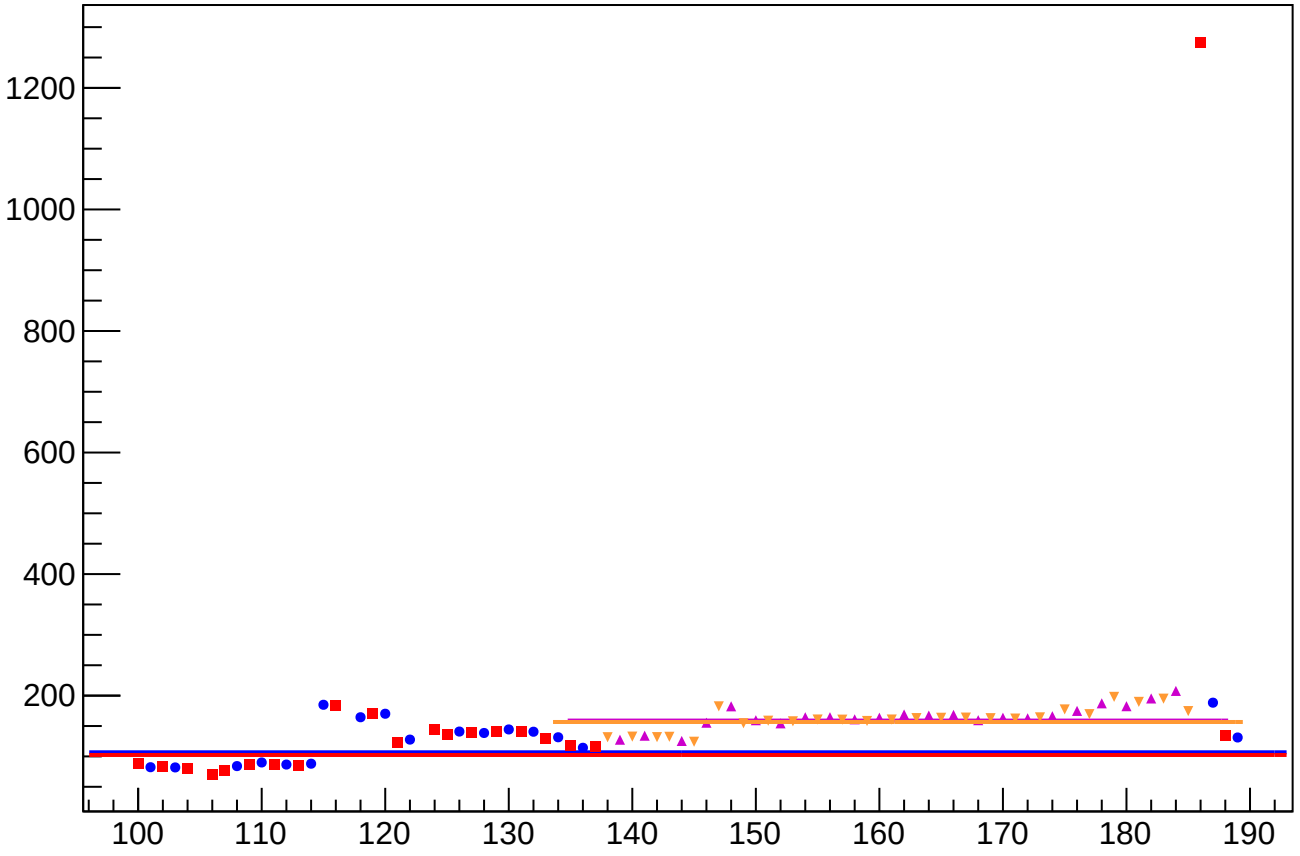
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

+ sign 115.265+/-26.477 χ^2/NDF: 65.1/42

All: -5.968+/-18.602 χ^2/NDF: 151.5/86

- sign -124.131+/-26.140 χ^2/NDF: 45.0/43

cor_asym_sam5_rms vs Slug



Right In: 106.762+/-0.028 χ^2/NDF: 1042189.5/17

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 102.364+/-0.026 χ^2/NDF: 1851625.3/20

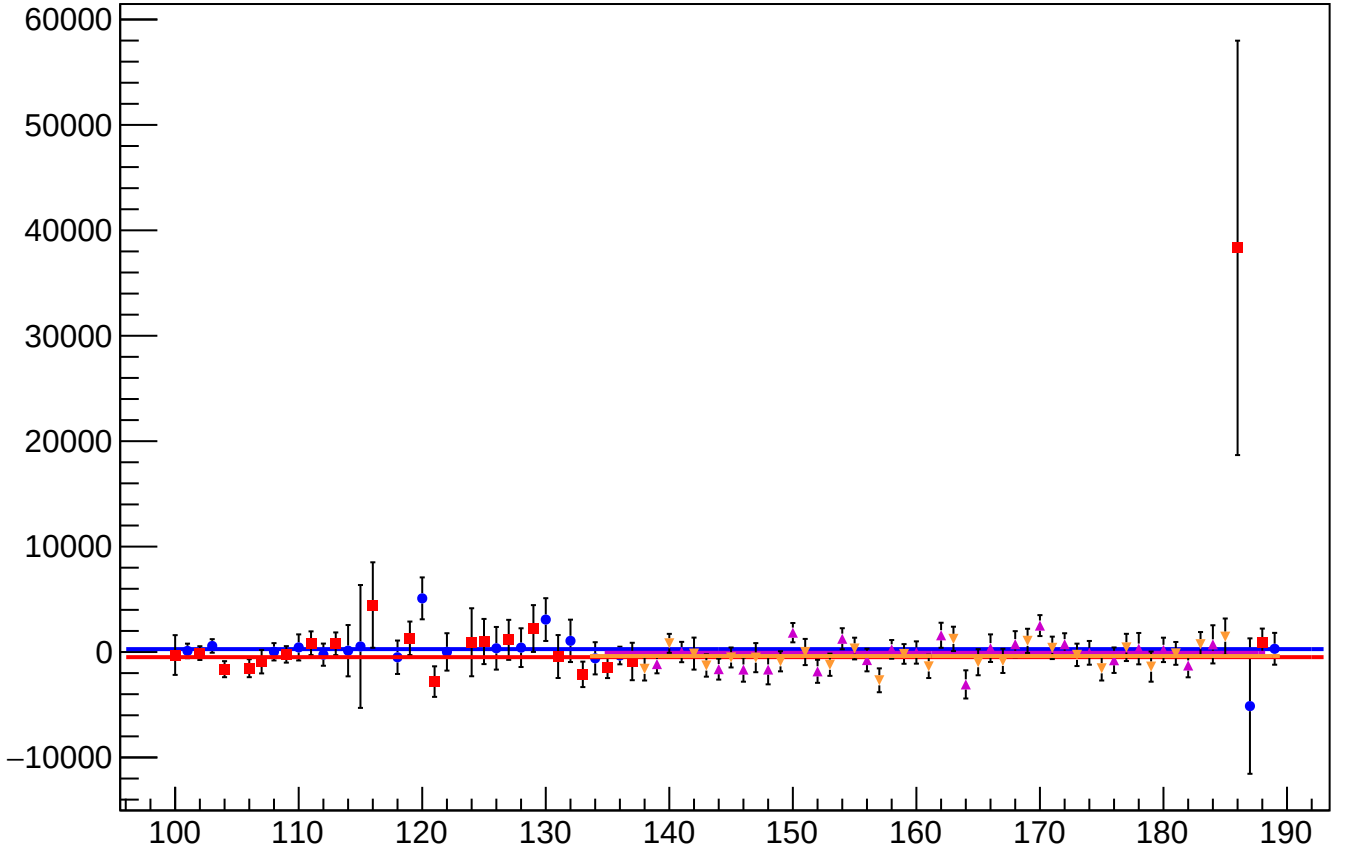
Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 133.925+/-0.019 χ^2/NDF: 3384708.3/42

All: 131.937+/-0.013 χ^2/NDF: 8111929.1/86

- sign 129.998+/-0.018 χ^2/NDF: 4704944.0/43

asym_sam5_cor_correction_mean vs Slug



Right In: 276.784+/-287.792 χ^2/NDF: 10.4/17

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: -485.665+/-264.190 χ^2/NDF: 23.2/20

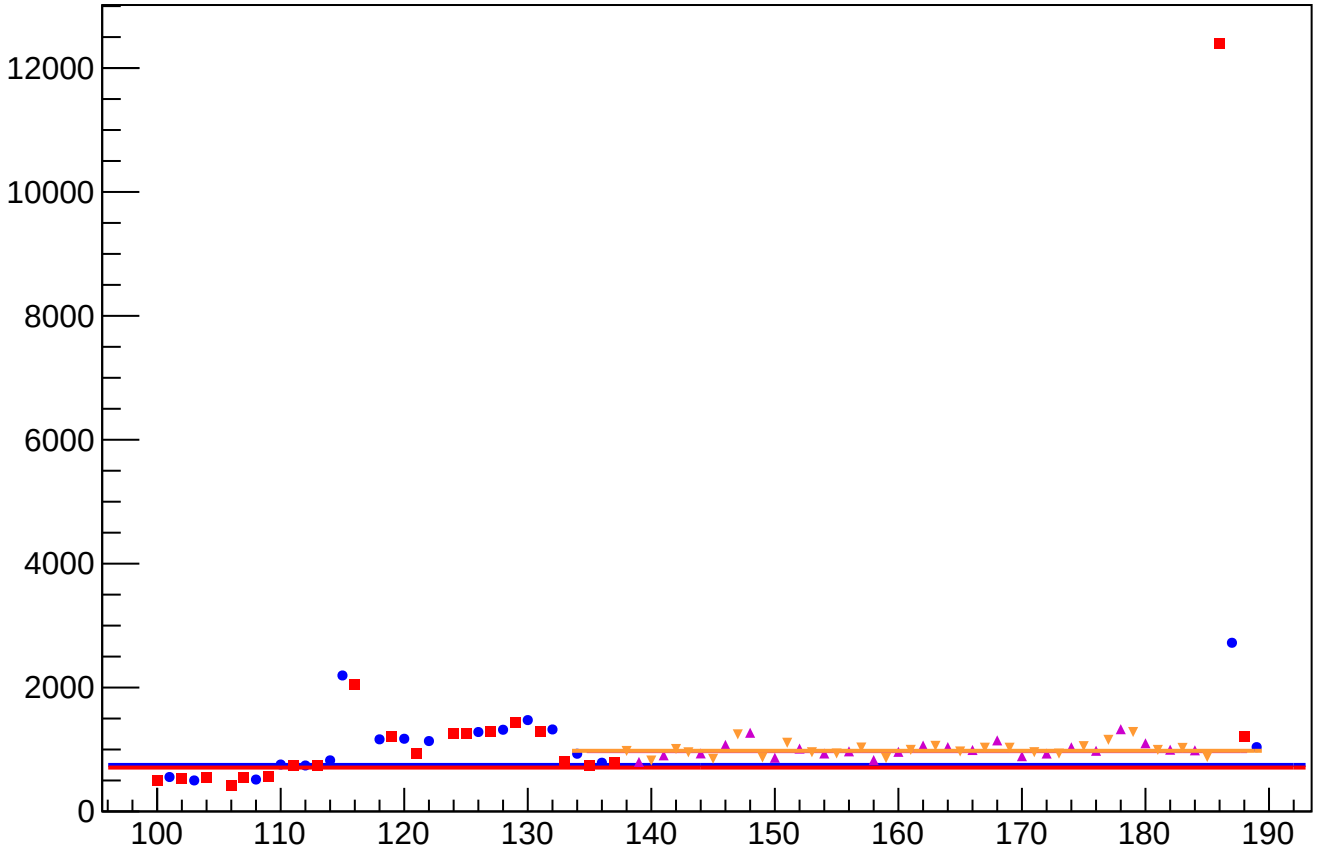
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

\+ sign -131.879+/-177.039 χ^2/NDF: 32.4/42

All: -192.964+/-123.872 χ^2/NDF: 90.3/86

\- sign -251.551+/-173.381 χ^2/NDF: 57.7/43

asym_sam5_cor_correction_rms vs Slug



Right In: 751.051+/-0.203 χ^2/NDF: 2110555.0/17

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 708.424+/-0.187 χ^2/NDF: 2884045.9/20

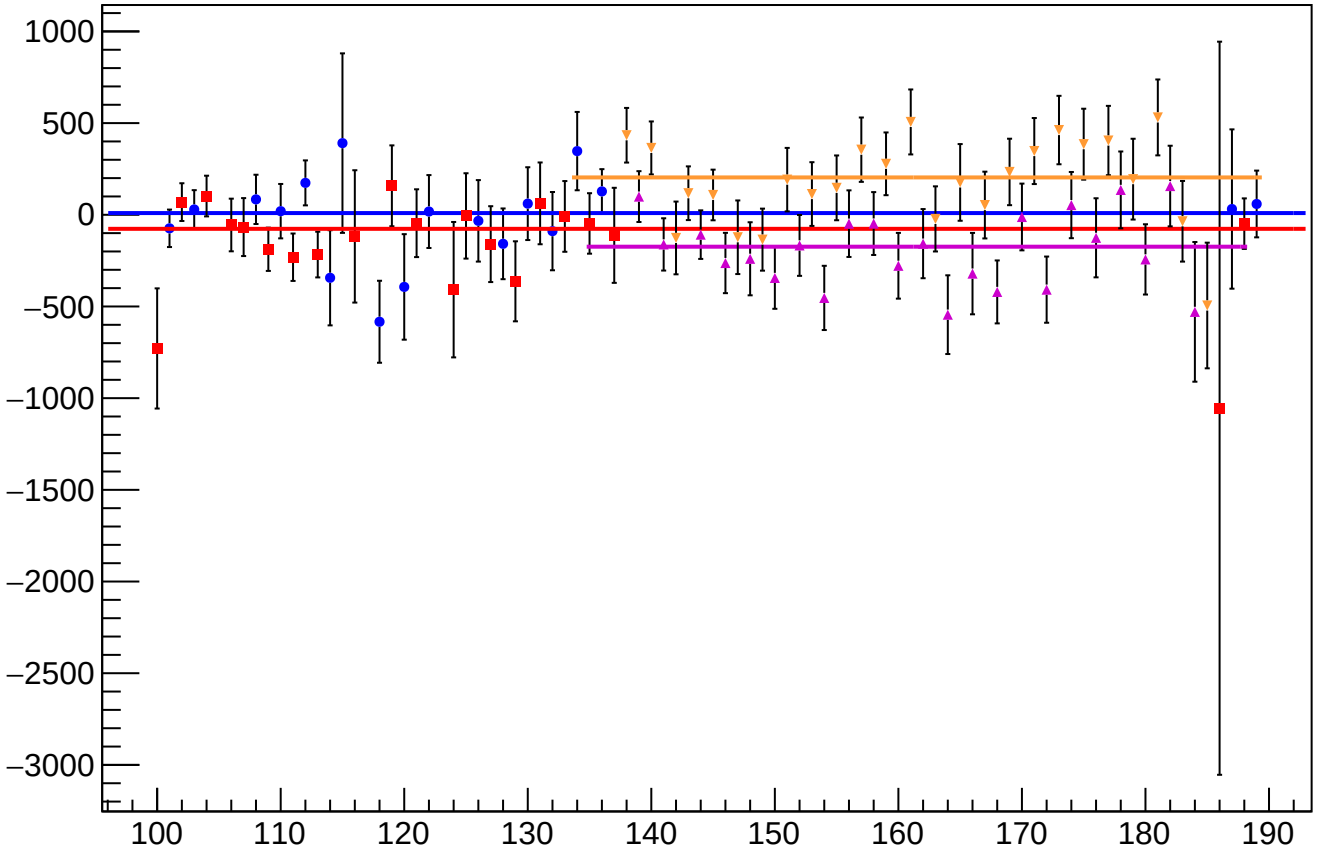
Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

+ sign 892.808+/-0.125 χ^2/NDF: 3321015.7/42

All: 875.814+/-0.088 χ^2/NDF: 7888790.8/86

- sign 859.515+/-0.123 χ^2/NDF: 4531670.2/43

eigen_cor_asym_sam5_mean vs Slug



Right In: 9.425+/-39.235 χ^2/NDF: 18.9/17

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: -76.554+/-36.544 χ^2/NDF: 17.0/20

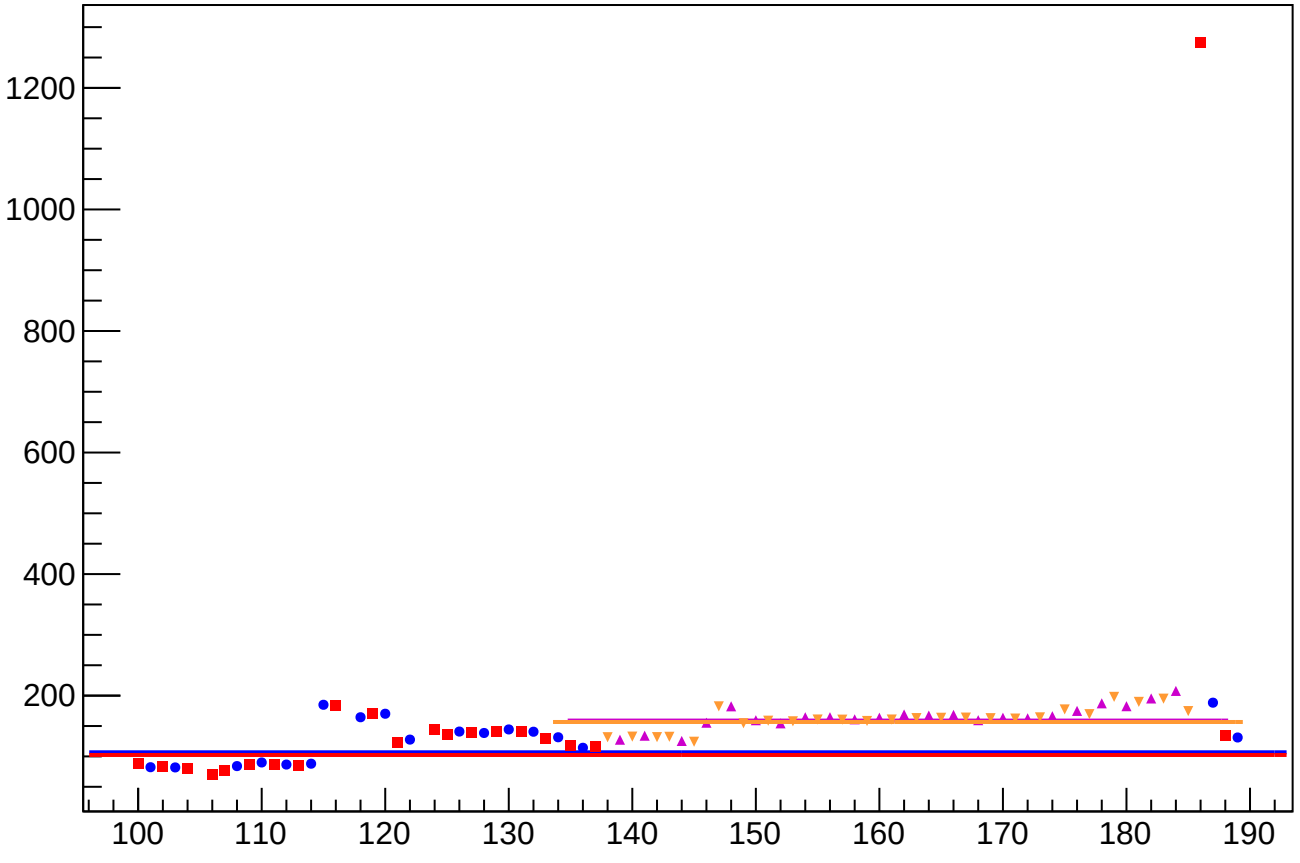
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

+ sign 115.265+/-26.477 χ^2/NDF: 65.1/42

All: -5.968+/-18.602 χ^2/NDF: 151.5/86

- sign -124.131+/-26.140 χ^2/NDF: 45.0/43

eigen_cor_asym_sam5_rms vs Slug



Right In: 106.762+/-0.028 χ^2/NDF: 1042189.5/17

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 102.364+/-0.026 χ^2/NDF: 1851625.3/20

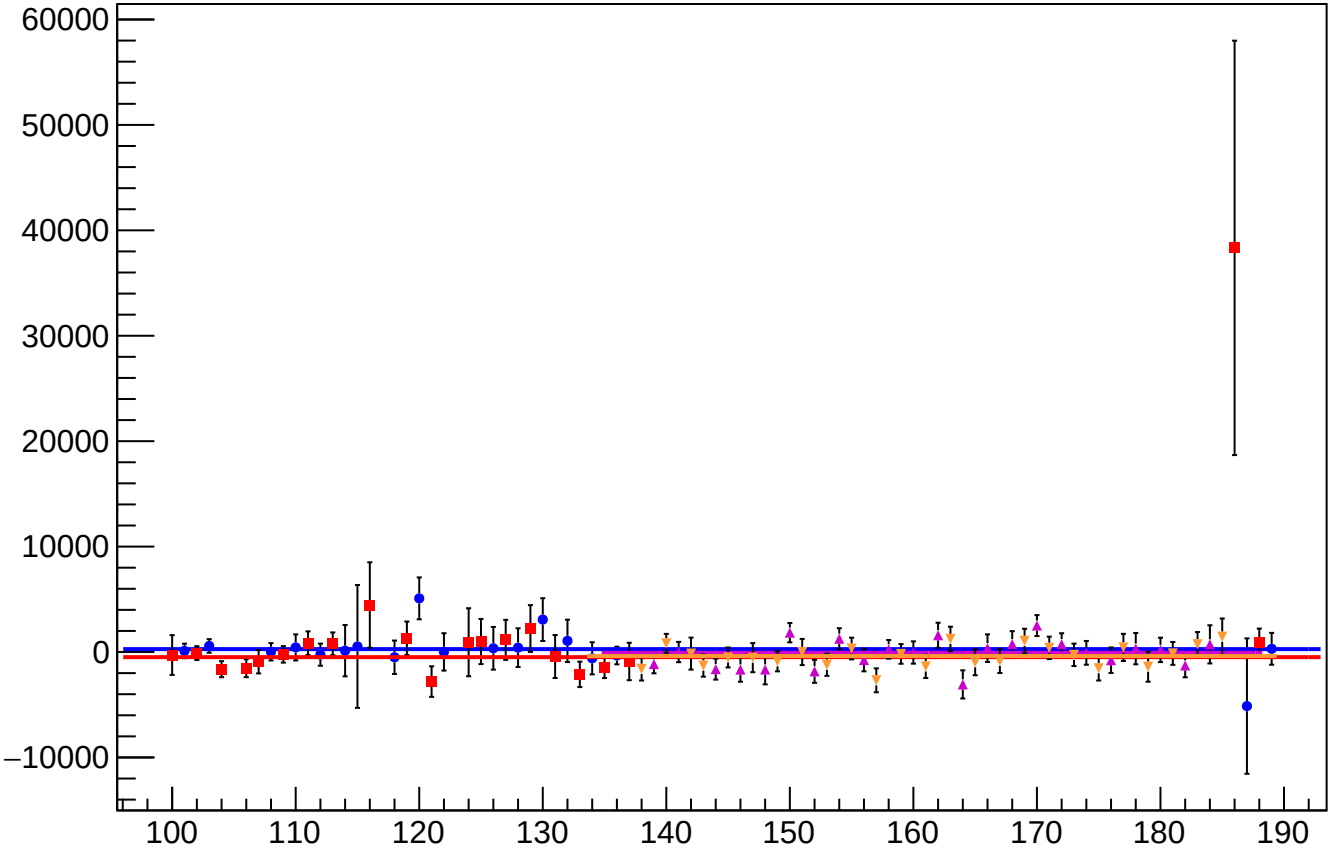
Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 133.925+/-0.019 χ^2/NDF: 3384708.3/42

All: 131.937+/-0.013 χ^2/NDF: 8111929.1/86

- sign 129.998+/-0.018 χ^2/NDF: 4704944.0/43

asym_sam5_eigen_cor_correction_mean vs Slug



Right In: 276.784+/-287.792 χ^2/NDF: 10.4/17

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: -485.665+/-264.190 χ^2/NDF: 23.2/20

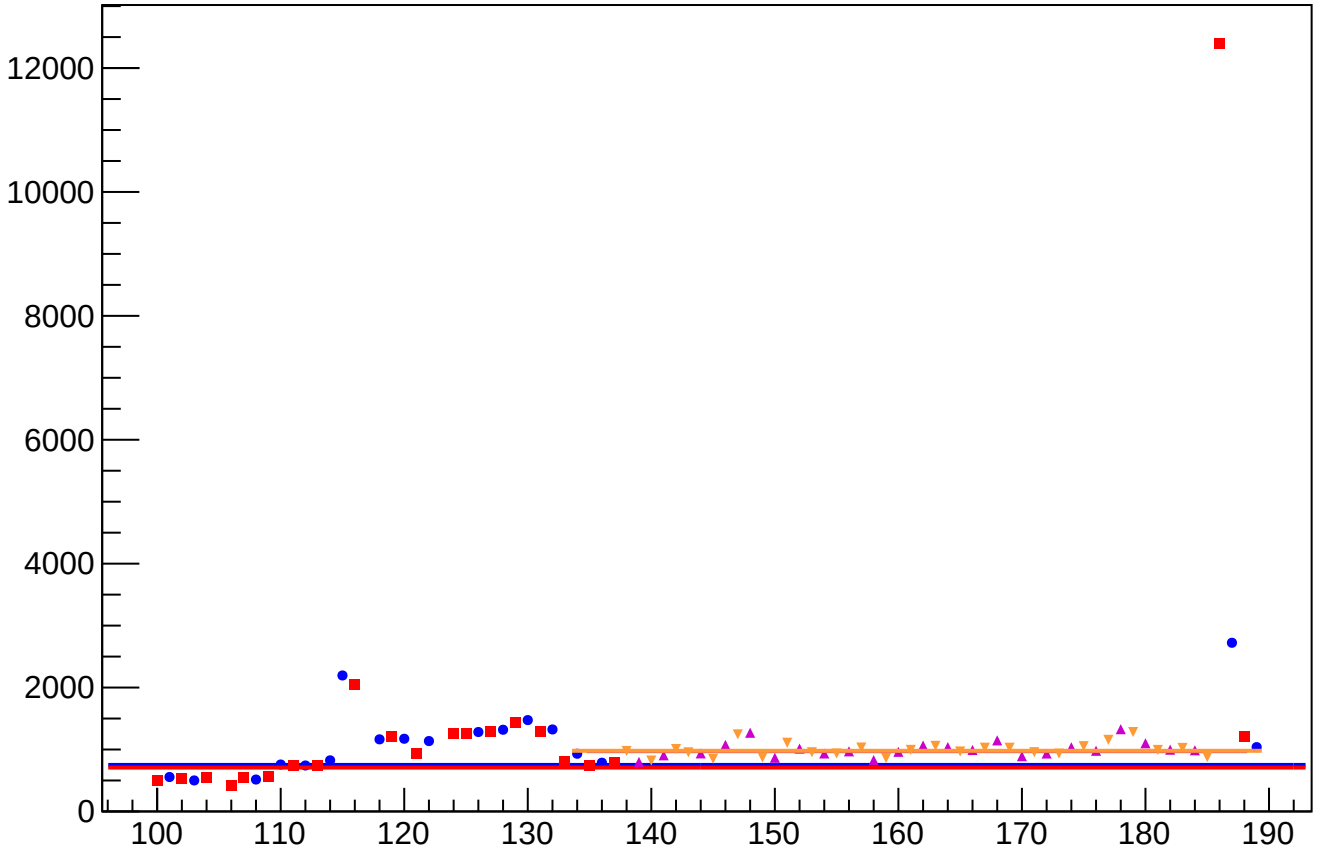
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

+ sign -131.879+/-177.039 χ^2/NDF: 32.4/42

All: -192.964+/-123.872 χ^2/NDF: 90.3/86

- sign -251.551+/-173.381 χ^2/NDF: 57.7/43

asym_sam5_eigen_cor_correction_rms vs Slug



Right In: 751.051+/-0.203 χ^2/NDF: 2110555.0/17

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 708.424+/-0.187 χ^2/NDF: 2884045.9/20

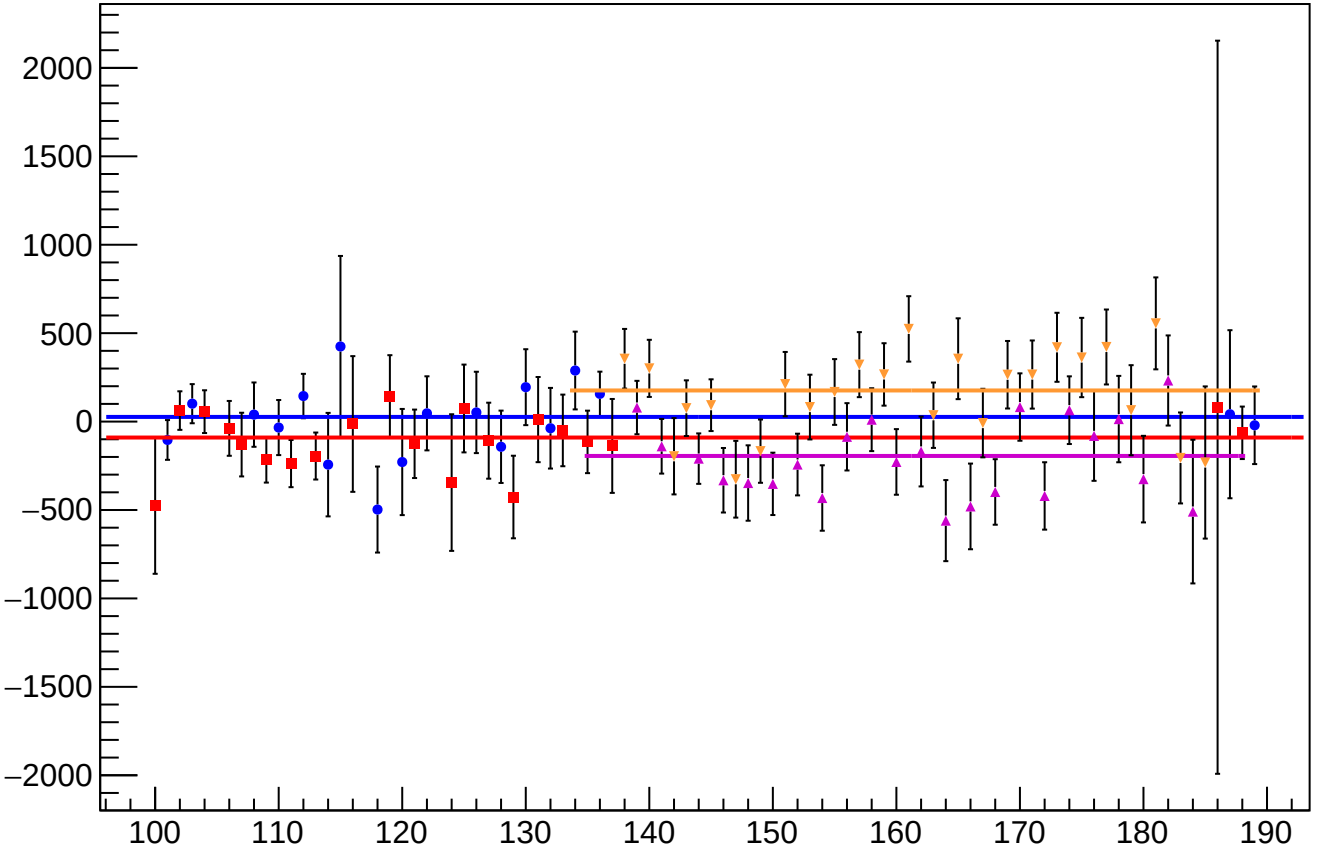
Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

+ sign 892.808+/-0.125 χ^2/NDF: 3321015.7/42

All: 875.814+/-0.088 χ^2/NDF: 7888790.8/86

- sign 859.515+/-0.123 χ^2/NDF: 4531670.2/43

dit_asym_sam5_mean vs Slug



Right In: 26.370+/-42.442 χ^2/NDF: 13.6/17

Left Out: 176.010+/-38.838 χ^2/NDF:30.8/24

Right Out: -90.191+/-39.098 χ^2/NDF: 11.7/20

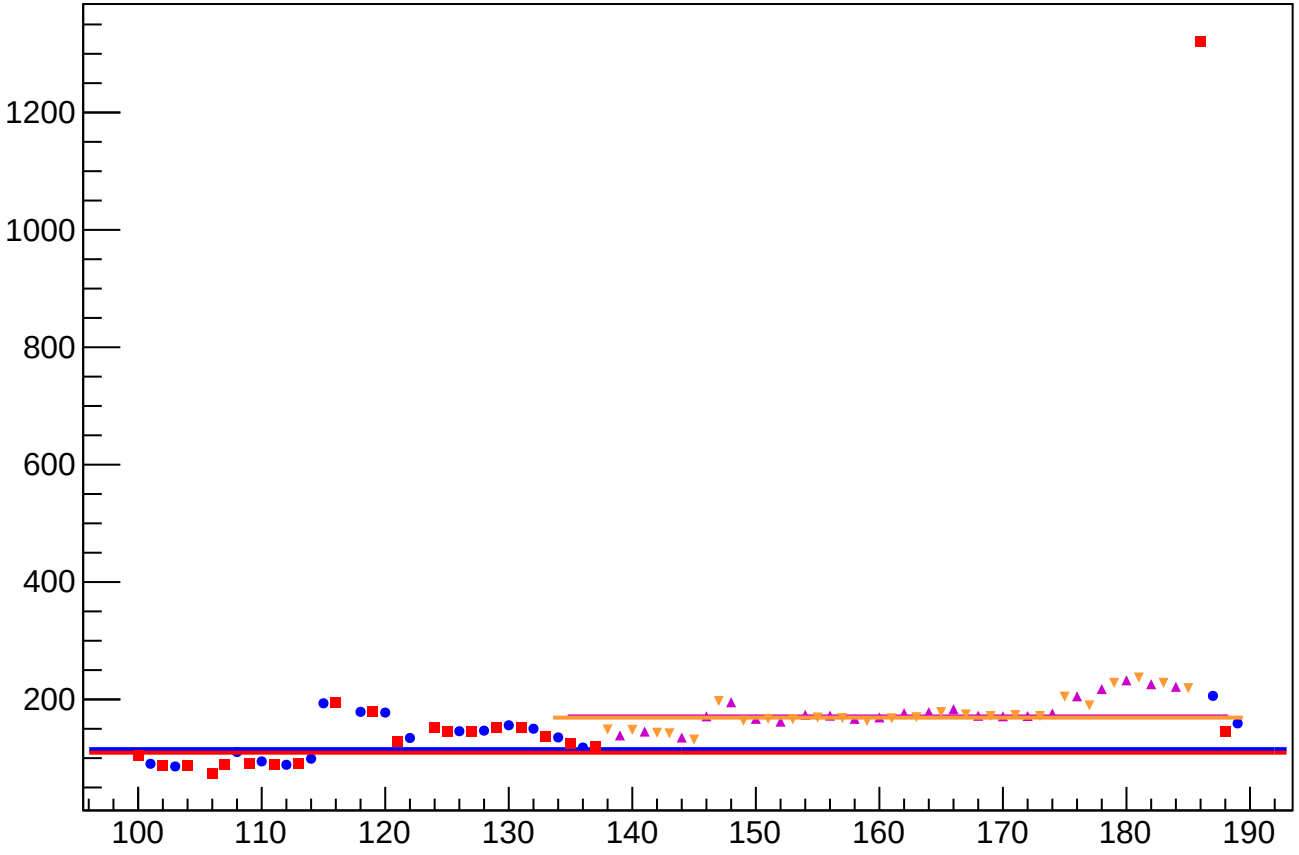
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 107.813+/-28.652 χ^2/NDF: 51.1/42

All: -18.839+/-20.058 χ^2/NDF: 128.5/86

- sign -140.574+/-28.090 χ^2/NDF: 39.0/43

dit_asym_sam5_rms vs Slug



Right In: 115.321+/-0.030 χ^2/NDF: 1031689.6/17

Left Out: 169.009+/-0.027 χ^2/NDF:773937.9/24

Right Out: 109.303+/-0.028 χ^2/NDF: 1814648.2/20

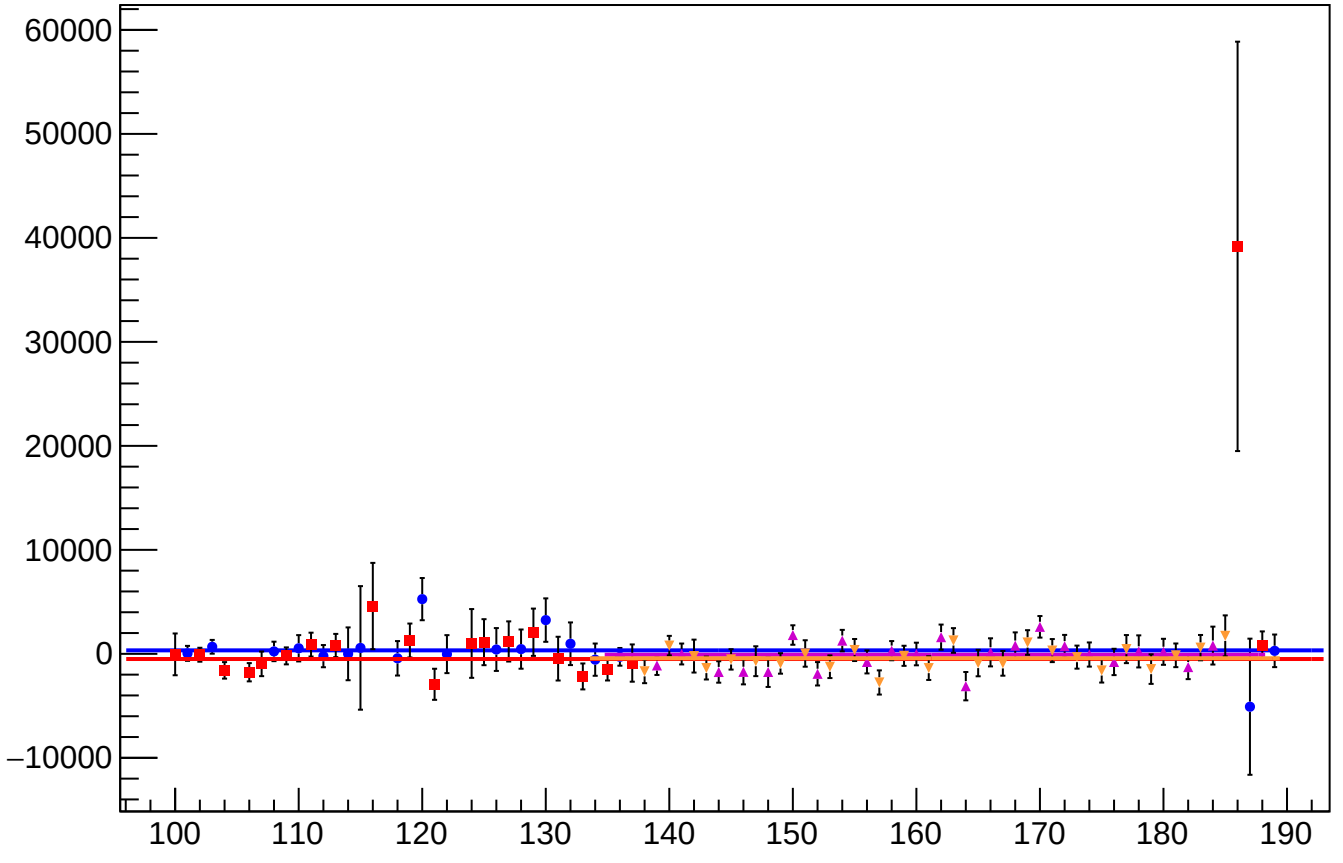
Left In: 171.021+/-0.029 χ^2/NDF:678106.1/22

+ sign 144.541+/-0.020 χ^2/NDF: 3547469.5/42

All: 141.799+/-0.014 χ^2/NDF: 8487341.4/86

- sign 139.164+/-0.020 χ^2/NDF: 4903959.3/43

asym_sam5_dit_correction_mean vs Slug



Right In: 335.578+/-299.384 χ^2/NDF: 10.5/17

Left Out: -425.819+/-232.561 χ^2/NDF:18.4/24

Right Out: -497.137+/-273.069 χ^2/NDF: 23.5/20

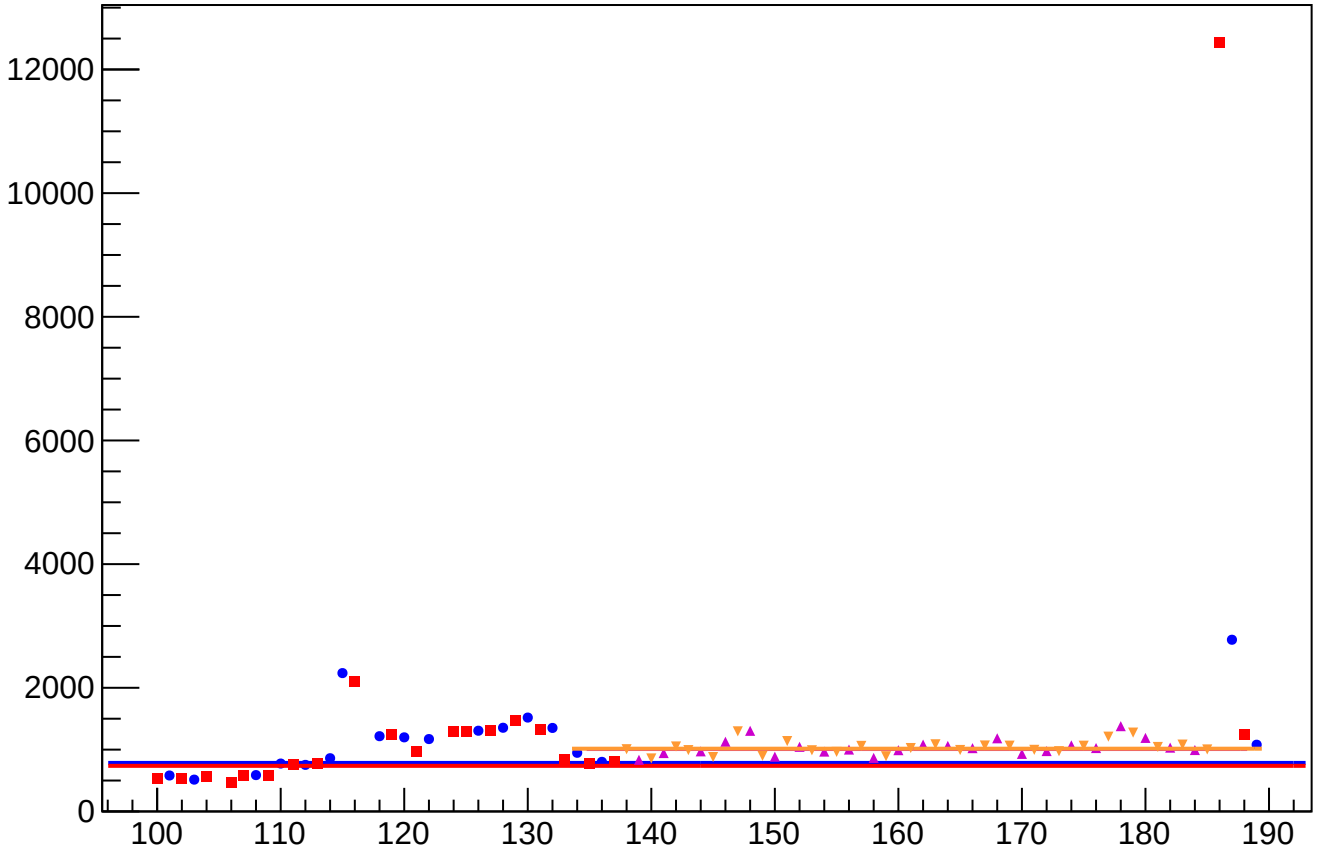
Left In: -86.486+/-238.155 χ^2/NDF:32.4/22

+ sign -139.282+/-183.660 χ^2/NDF: 32.9/42

All: -203.022+/-128.365 χ^2/NDF: 90.3/86

- sign -263.896+/-179.484 χ^2/NDF: 57.2/43

asym_sam5_dit_correction_rms vs Slug



Right In: 785.051+/-0.212 χ^2/NDF: 2000744.7/17

Left Out: 1015.046+/-0.164 χ^2/NDF:397966.2/24

Right Out: 737.687+/-0.193 χ^2/NDF: 2780672.3/20

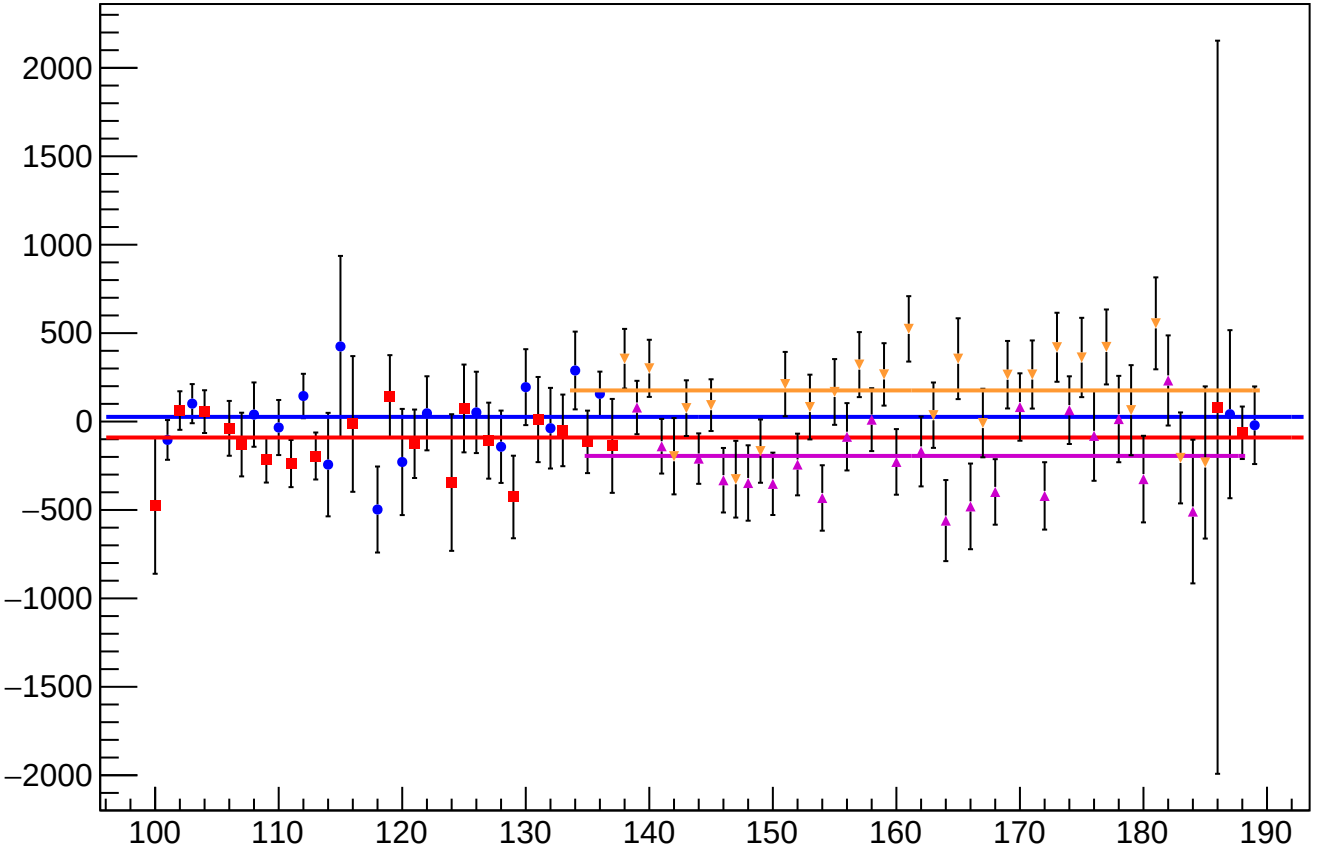
Left In: 1009.672+/-0.168 χ^2/NDF:498783.5/22

+ sign 928.492+/-0.130 χ^2/NDF: 3134857.4/42

All: 909.913+/-0.091 χ^2/NDF: 7581279.7/86

- sign 892.169+/-0.127 χ^2/NDF: 4406408.3/43

eigen_dit_asym_sam5_mean vs Slug



Right In: 26.369+/-42.442 χ^2/NDF: 13.6/17

Left Out: 176.011+/-38.838 χ^2/NDF:30.8/24

Right Out: -90.191+/-39.098 χ^2/NDF: 11.7/20

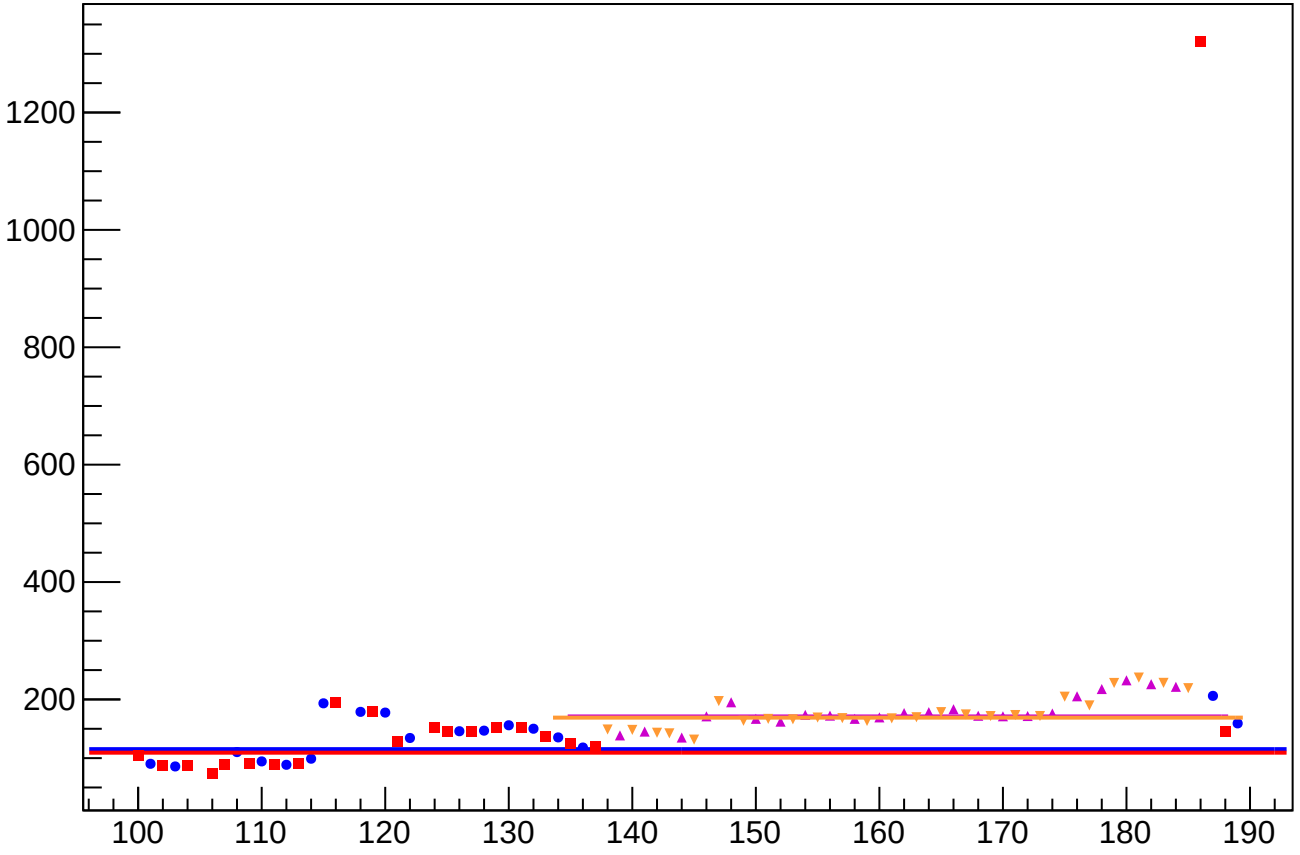
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 107.813+/-28.652 χ^2/NDF: 51.1/42

All: -18.839+/-20.058 χ^2/NDF: 128.5/86

- sign -140.574+/-28.090 χ^2/NDF: 39.0/43

eigen_dit_asym_sam5_rms vs Slug



Right In: 115.320+/-0.030 χ^2/NDF: 1031690.3/17

Left Out: 169.009+/-0.027 χ^2/NDF:773925.9/24

Right Out: 109.303+/-0.028 χ^2/NDF: 1814640.0/20

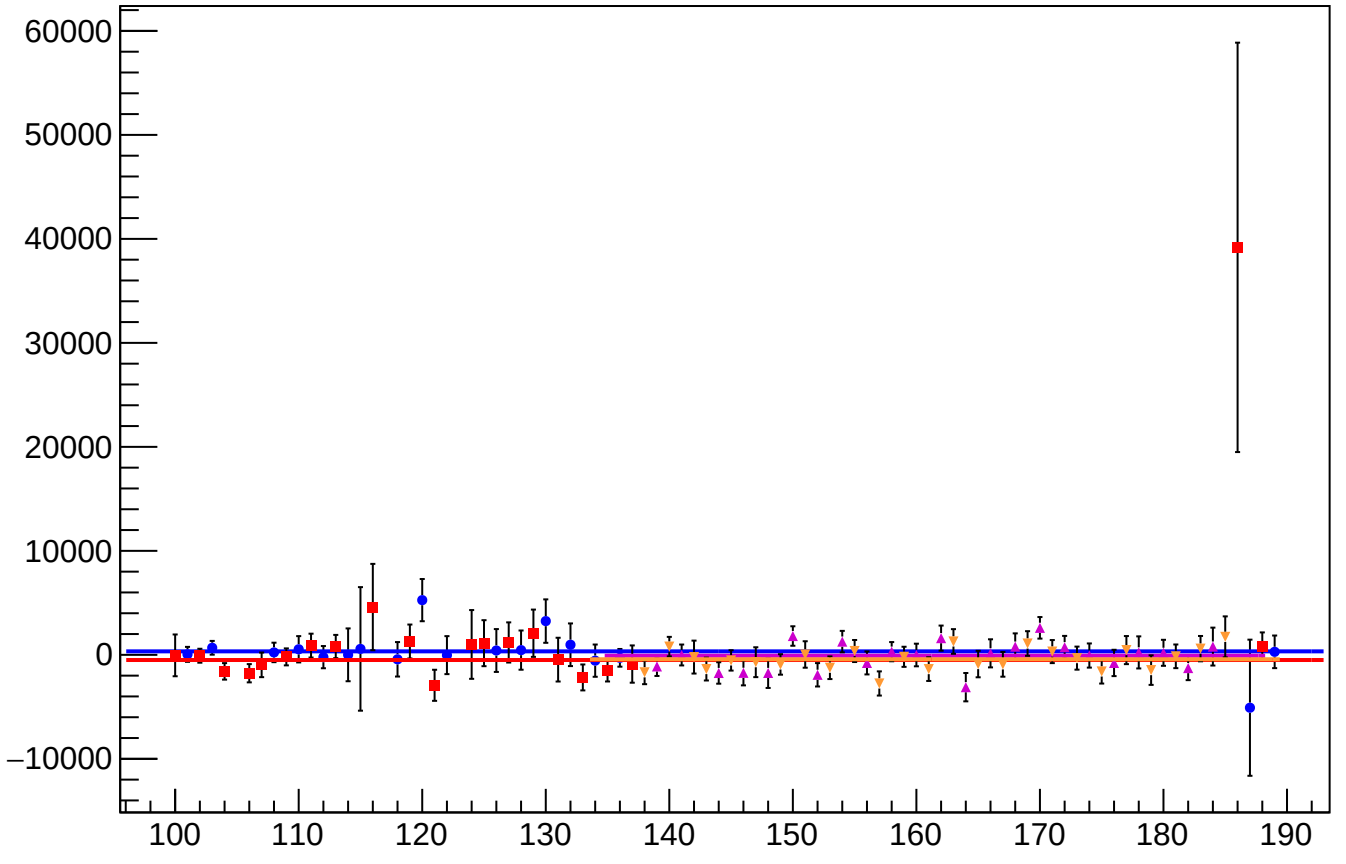
Left In: 171.021+/-0.029 χ^2/NDF:678096.1/22

+ sign 144.541+/-0.020 χ^2/NDF: 3547486.7/42

All: 141.799+/-0.014 χ^2/NDF: 8487376.5/86

- sign 139.164+/-0.020 χ^2/NDF: 4903978.1/43

asym_sam5_eigen_dit_correction_mean vs Slug



Right In: 335.577+/-299.384 χ^2/NDF: 10.5/17

Left Out: -425.818+/-232.561 χ^2/NDF:18.4/24

Right Out: -497.138+/-273.069 χ^2/NDF: 23.5/20

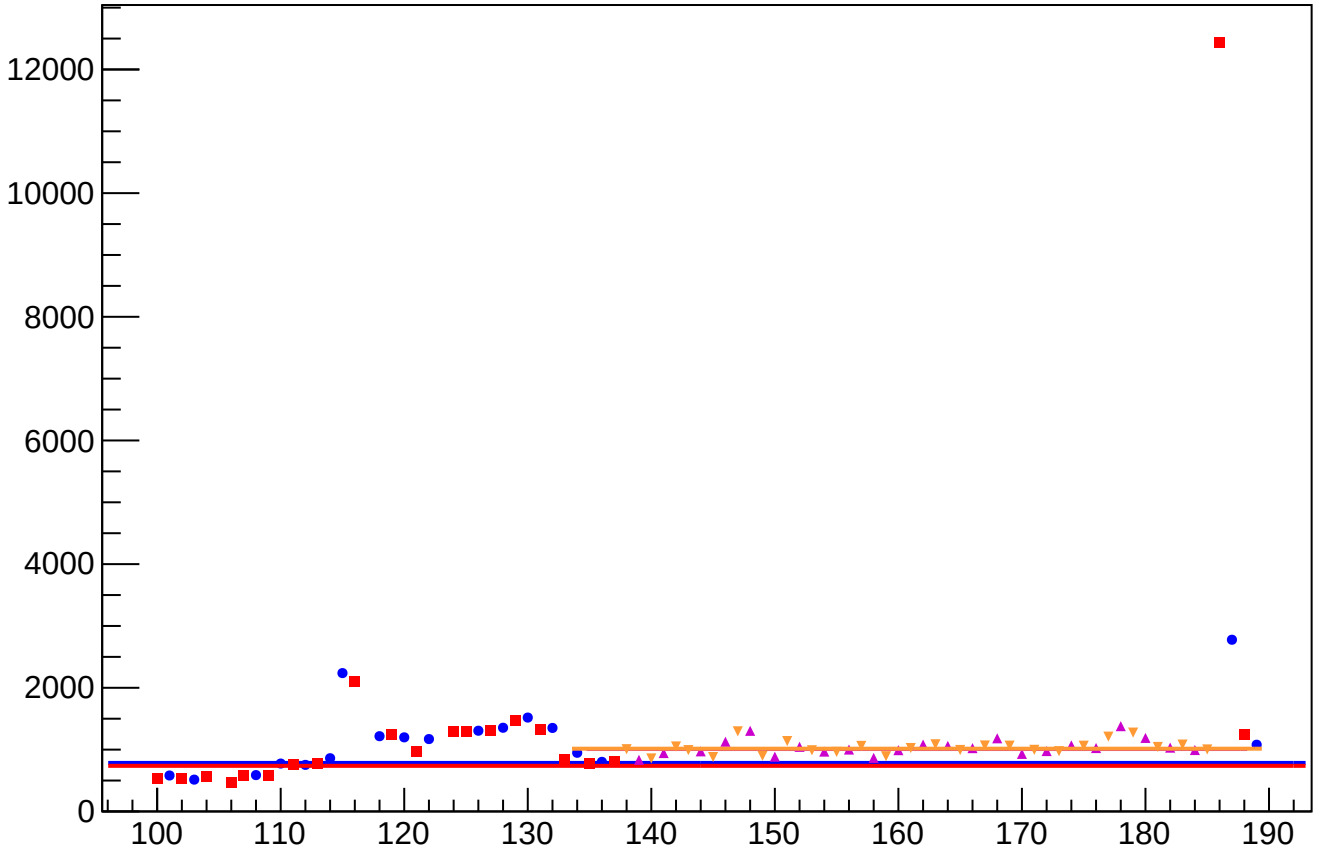
Left In: -86.487+/-238.155 χ^2/NDF:32.4/22

+ sign -139.281+/-183.660 χ^2/NDF: 32.9/42

All: -203.022+/-128.365 χ^2/NDF: 90.3/86

- sign -263.897+/-179.484 χ^2/NDF: 57.2/43

asym_sam5_eigen_dit_correction_rms vs Slug



Right In: 785.050+/-0.212 χ^2/NDF: 2000744.1/17

Left Out: 1015.047+/-0.164 χ^2/NDF:397964.6/24

Right Out: 737.686+/-0.193 χ^2/NDF: 2780670.1/20

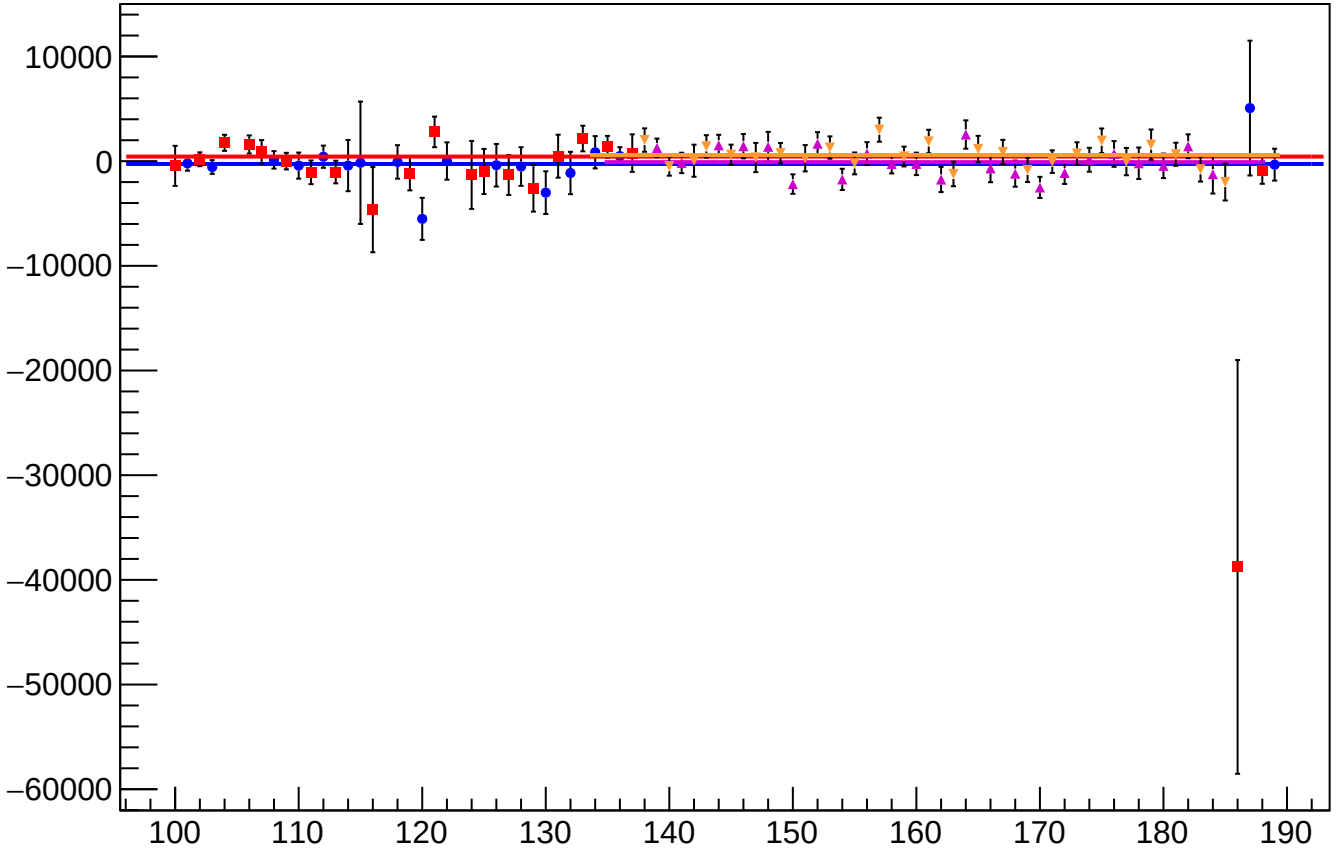
Left In: 1009.673+/-0.168 χ^2/NDF:498783.6/22

+ sign 928.492+/-0.130 χ^2/NDF: 3134870.4/42

All: 909.913+/-0.091 χ^2/NDF: 7581310.8/86

- sign 892.169+/-0.127 χ^2/NDF: 4406426.2/43

asym_sam5_mean vs Slug



Right In: -267.463+/-290.941 χ^2/NDF: 11.8/17

Left Out: 586.188+/-227.585 χ^2/NDF:20.8/24

Right Out: 436.927+/-267.118 χ^2/NDF: 25.5/20

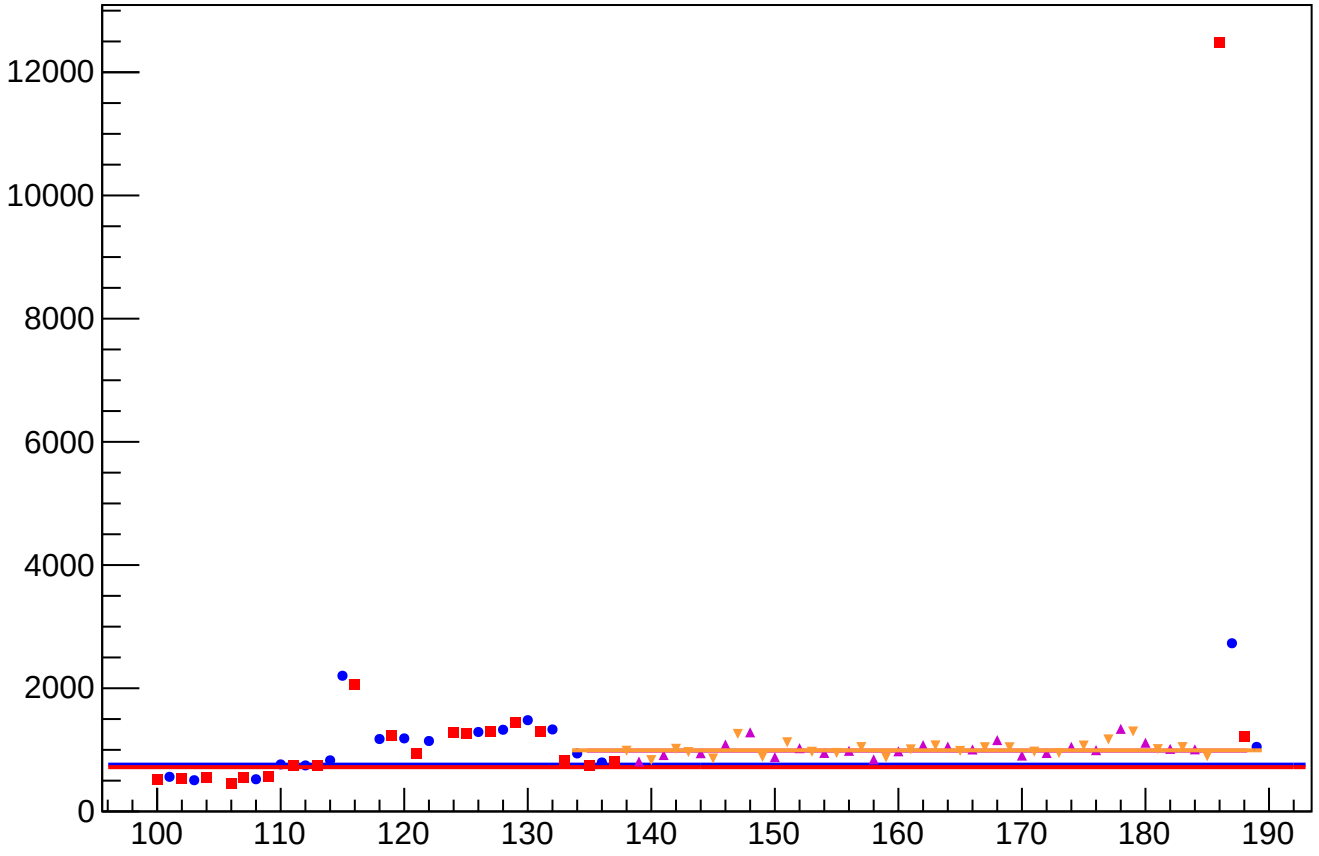
Left In: -92.688+/-233.019 χ^2/NDF:34.6/22

+ sign 262.131+/-179.257 χ^2/NDF: 37.9/42

All: 197.855+/-125.439 χ^2/NDF: 100.4/86

- sign 136.178+/-175.596 χ^2/NDF: 62.3/43

asym_sam5_rms vs Slug



Right In: 759.914+/-0.206 χ^2/NDF: 2086844.4/17

Left Out: 992.549+/-0.161 χ^2/NDF:424899.6/24

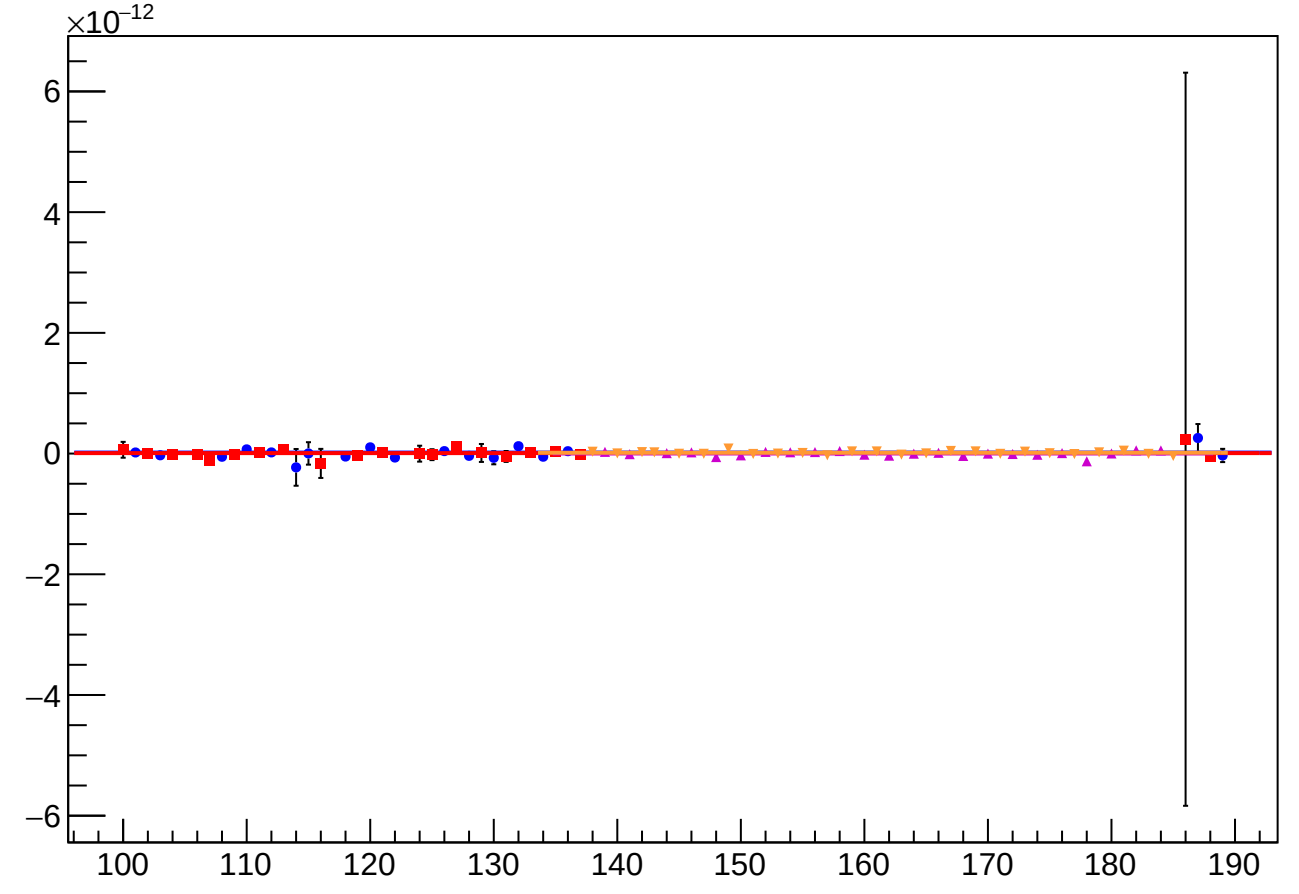
Right Out: 718.970+/-0.189 χ^2/NDF: 2831462.4/20

Left In: 987.784+/-0.165 χ^2/NDF:487733.2/22

+ sign 904.238+/-0.127 χ^2/NDF: 3305039.3/42

All: 887.592+/-0.089 χ^2/NDF: 7808219.9/86

- sign 871.620+/-0.124 χ^2/NDF: 4469387.7/43



Right In: 0.000+/-0.000 χ^2/NDF: 19.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:23.1/24

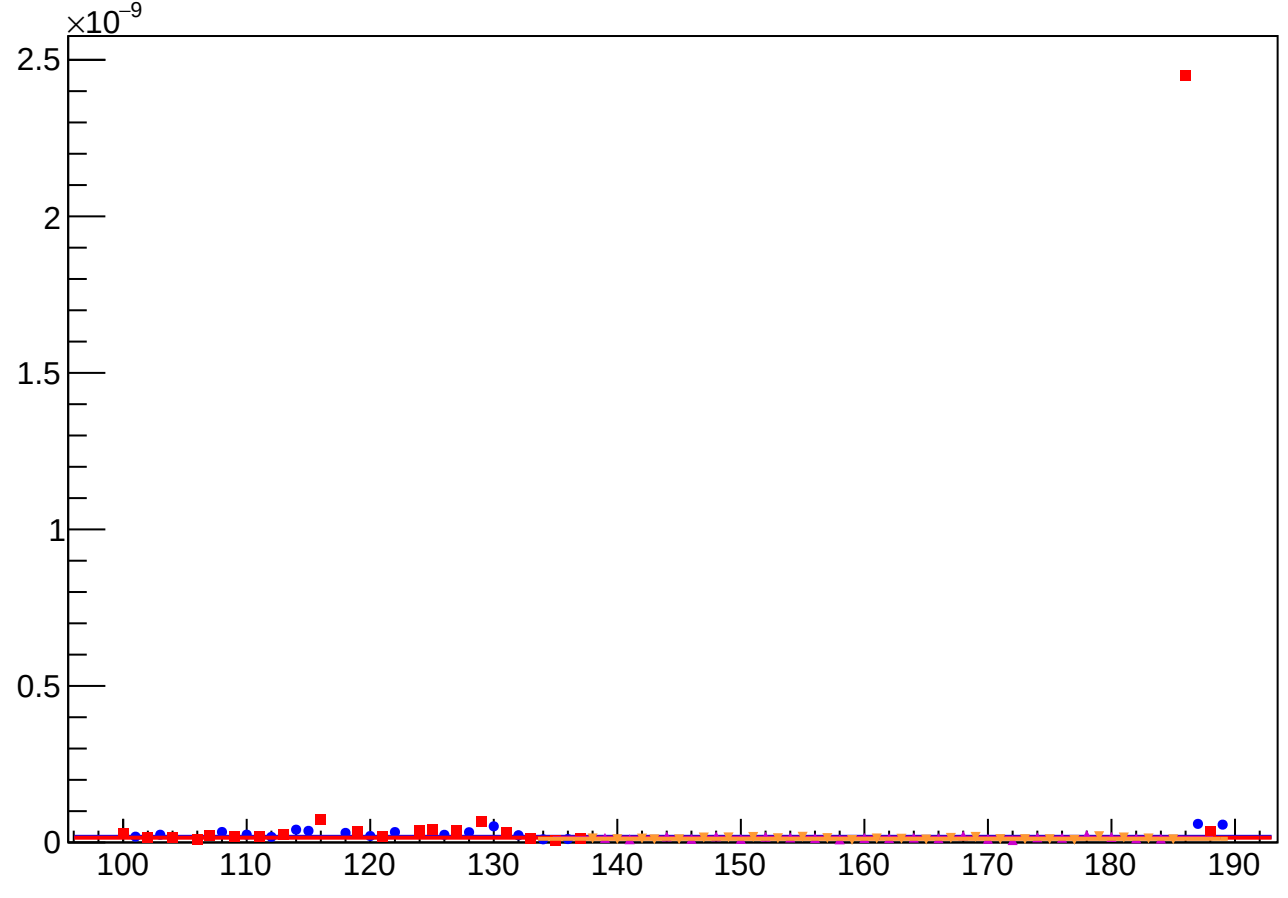
Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/20

Left In: 0.000+/-0.000 χ^2/NDF:28.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 42.4/42

All: 0.000+/-0.000 χ^2/NDF: 88.6/86

- sign 0.000+/-0.000 χ^2/NDF: 43.5/43



Right In: 0.000+/-0.000 χ^2/NDF: 1475725.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:762184.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2298354.5/20

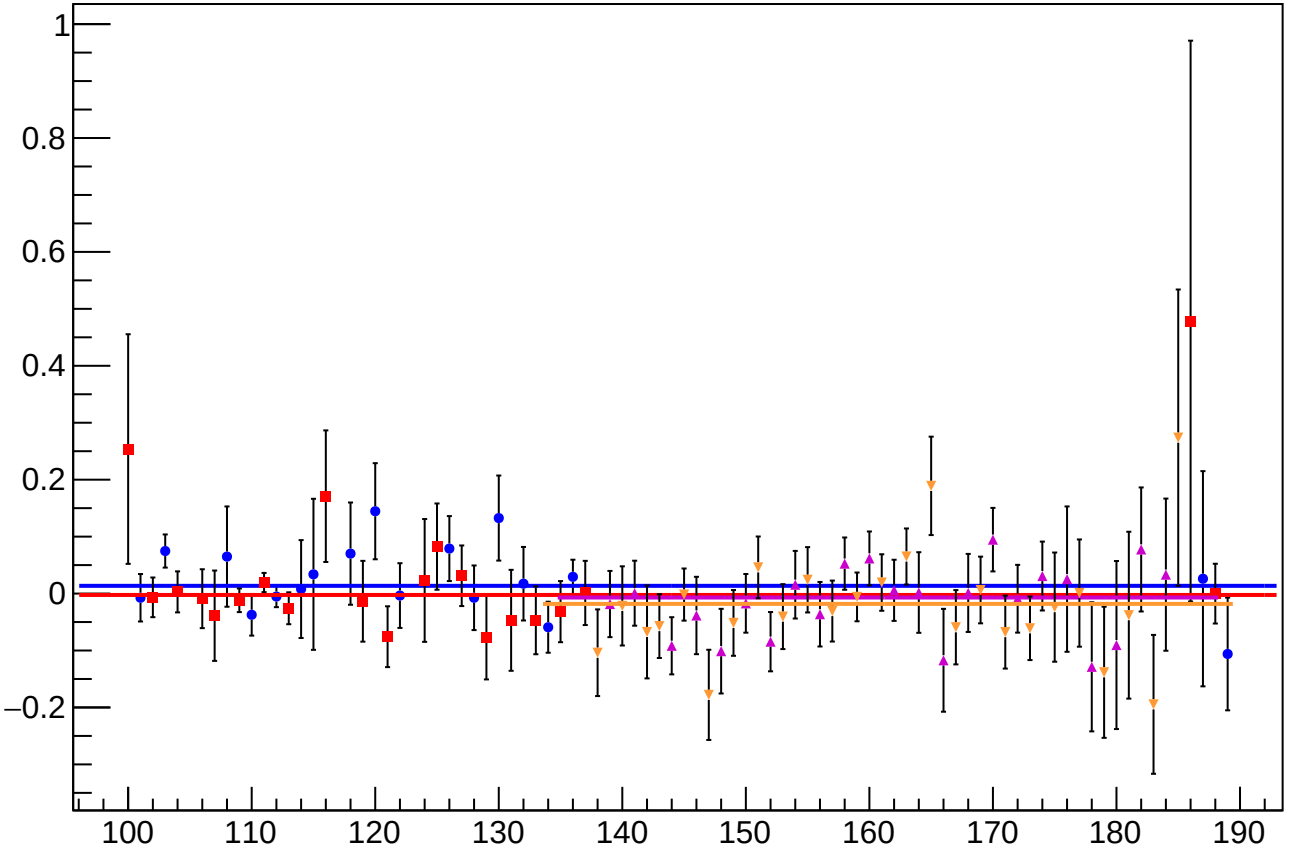
Left In: 0.000+/-0.000 χ^2/NDF:853838.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 2831249.8/42

All: 0.000+/-0.000 χ^2/NDF: 6107347.4/86

- sign 0.000+/-0.000 χ^2/NDF: 3210417.5/43

asym_sam5_dit_vs_cor_diff_mean vs Slug



Right In: 0.014+/-0.011 χ^2/NDF: 19.3/17

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.002+/-0.009 χ^2/NDF: 13.4/20

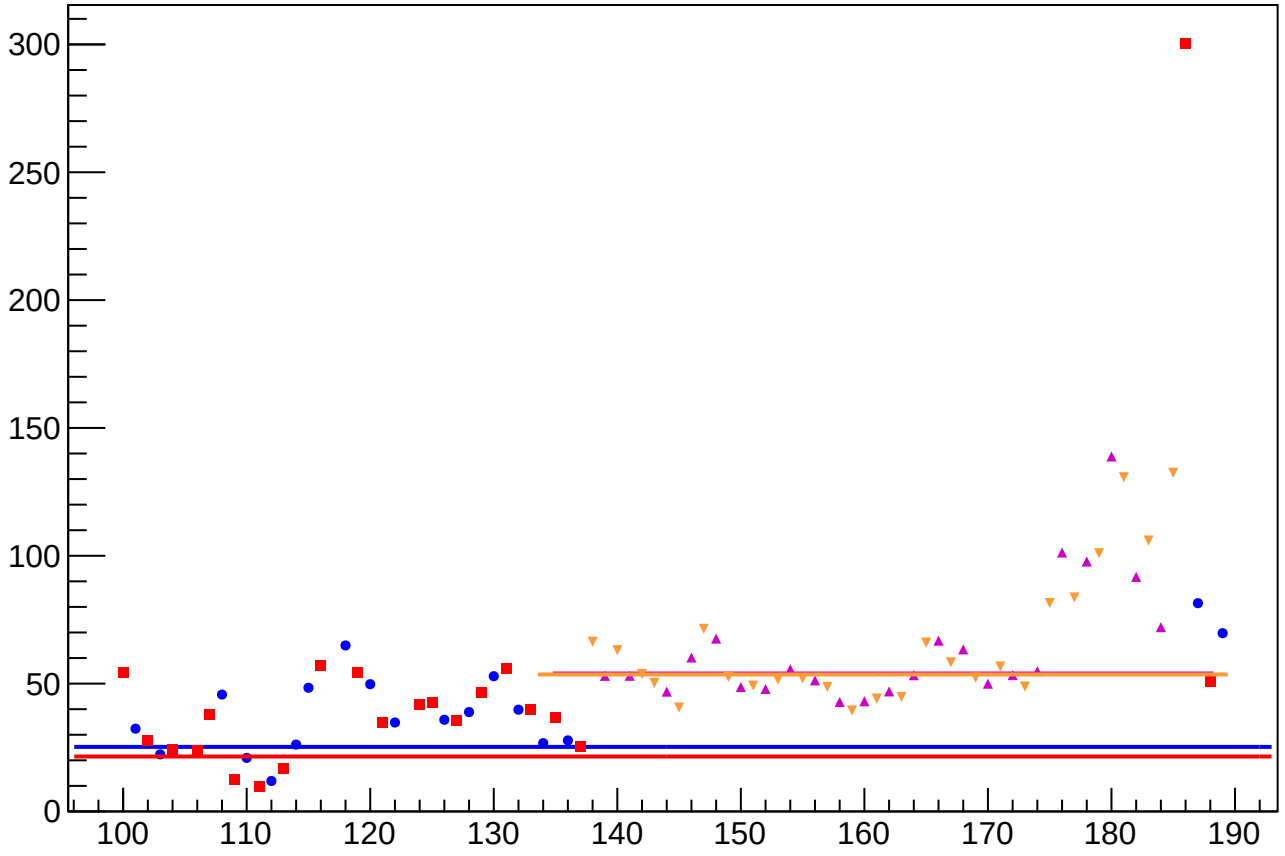
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign 0.001+/-0.008 χ^2/NDF: 47.3/42

All: -0.002+/-0.006 χ^2/NDF: 79.6/86

- sign -0.004+/-0.007 χ^2/NDF: 32.2/43

asym_sam5_dit_vs_cor_diff_rms vs Slug



Right In: 25.251+/-0.007 χ^2/NDF: 3073703.9/17

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

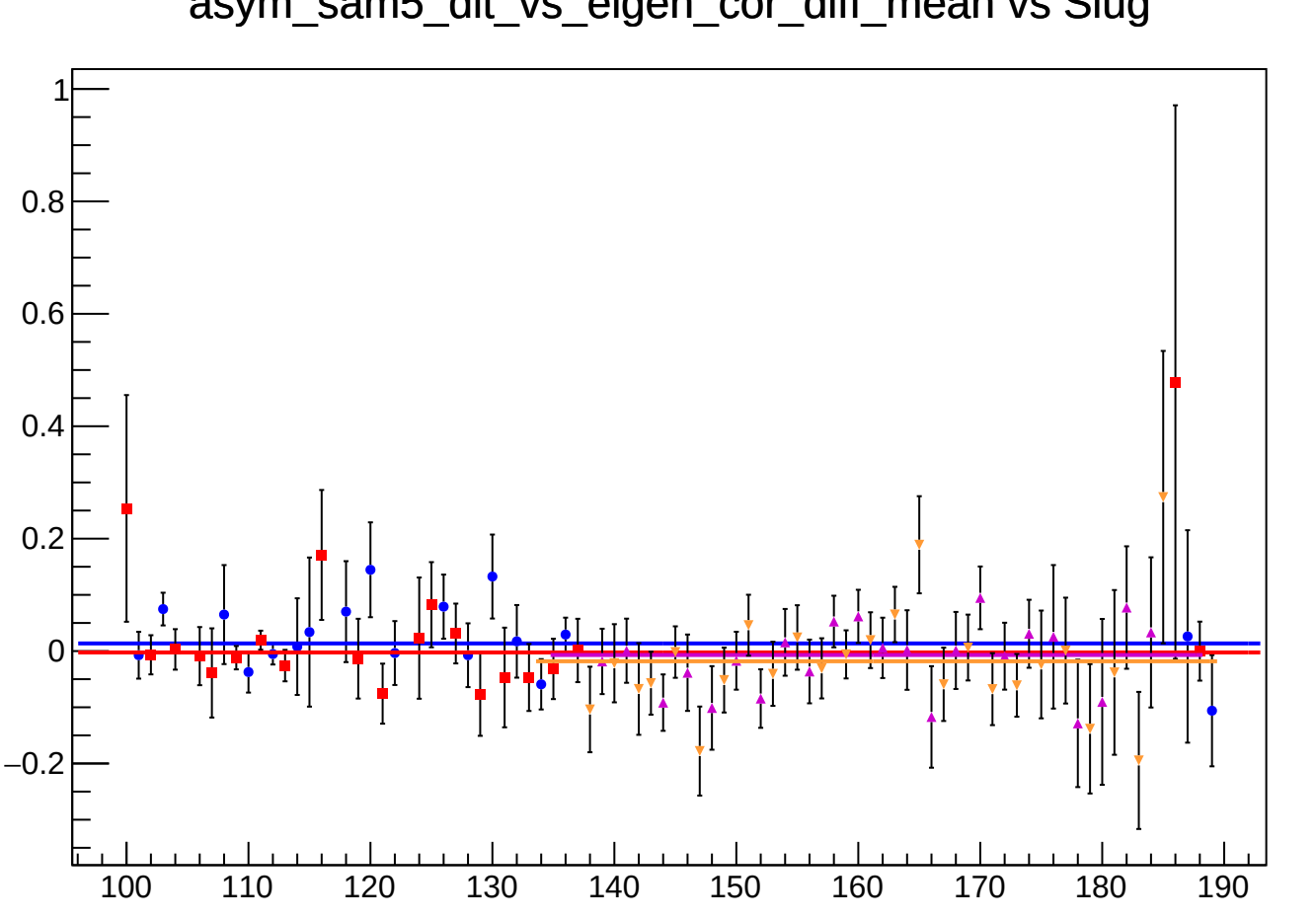
Right Out: 21.490+/-0.006 χ^2/NDF: 4871513.4/20

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

+ sign 36.661+/-0.006 χ^2/NDF: 11567560.2/42

All: 34.104+/-0.004 χ^2/NDF: 27062657.1/86

- sign 31.935+/-0.005 χ^2/NDF: 15128995.4/43



Right In: 0.014+/-0.011 χ^2/NDF: 19.3/17

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.002+/-0.009 χ^2/NDF: 13.4/20

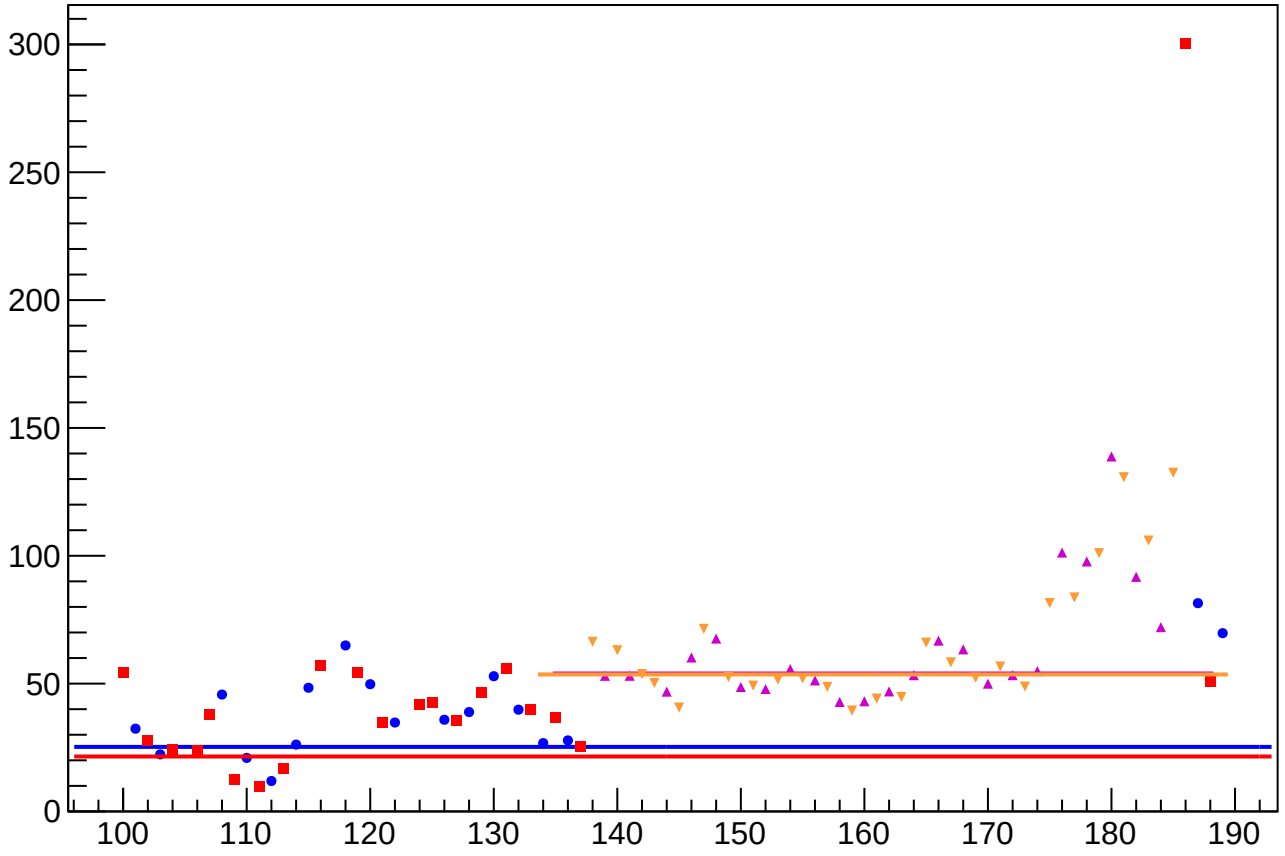
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign 0.001+/-0.008 χ^2/NDF: 47.3/42

All: -0.002+/-0.006 χ^2/NDF: 79.6/86

- sign -0.004+/-0.007 χ^2/NDF: 32.2/43

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.251+/-0.007 χ^2/NDF: 3073703.9/17

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

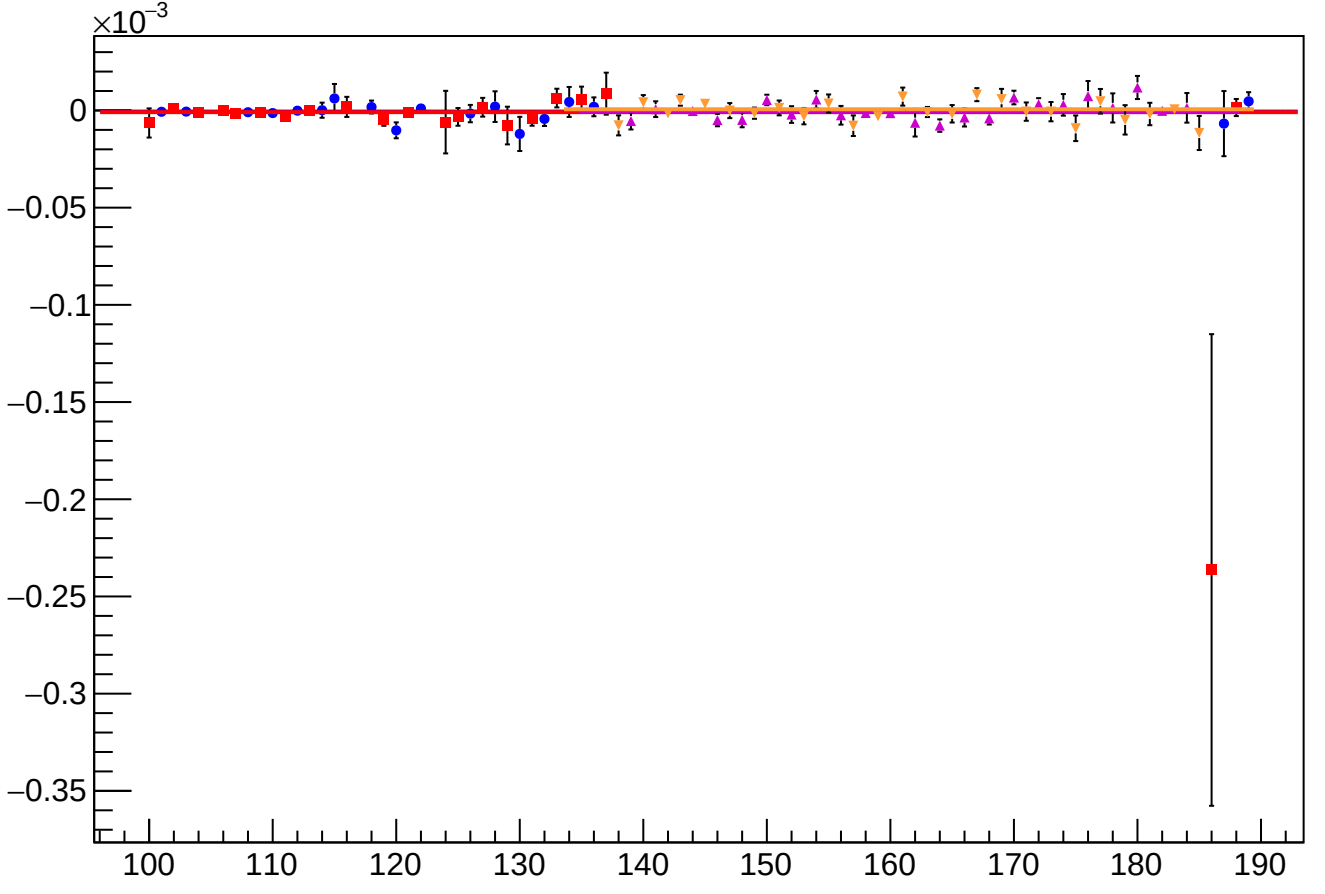
Right Out: 21.490+/-0.006 χ^2/NDF: 4871513.4/20

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

+ sign 36.661+/-0.006 χ^2/NDF: 11567560.2/42

All: 34.104+/-0.004 χ^2/NDF: 27062657.1/86

- sign 31.935+/-0.005 χ^2/NDF: 15128995.4/43



Right In: -0.000+/-0.000 χ^2/NDF: 12.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/20

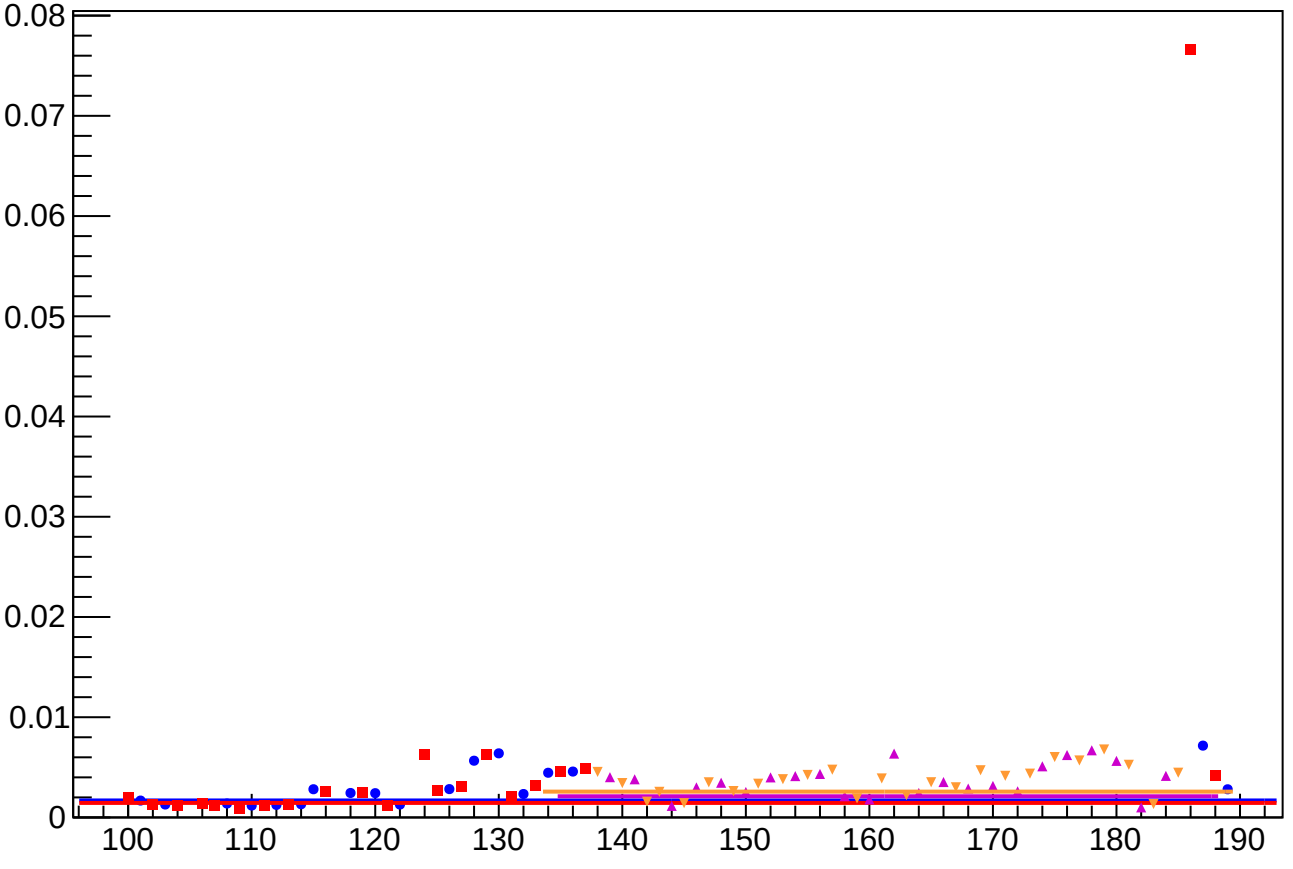
Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.3/42

All: -0.000+/-0.000 χ^2/NDF: 93.6/86

- sign -0.000+/-0.000 χ^2/NDF: 47.2/43

asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 3273286.8/17

Left Out: 0.003+/-0.000 χ^2/NDF:7112963.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 4465625.7/20

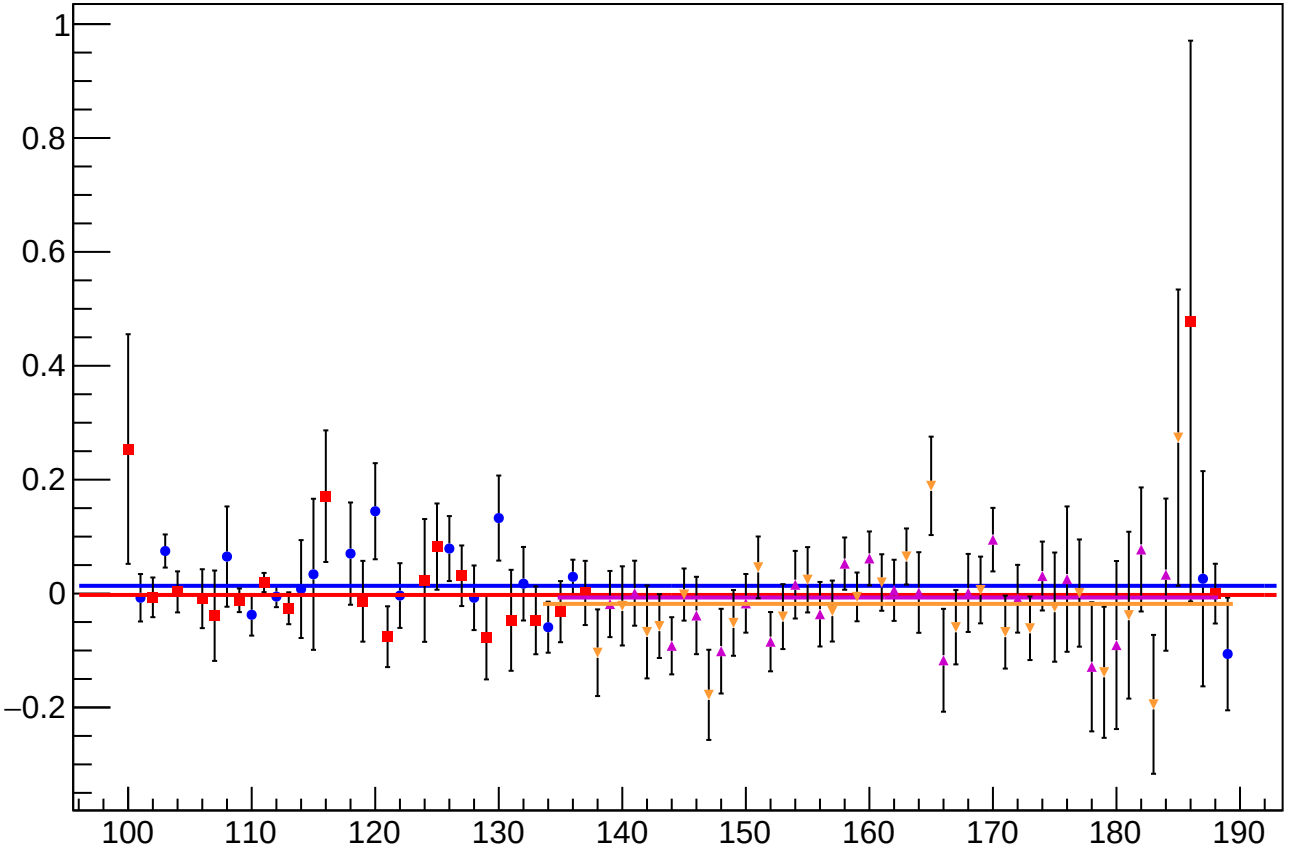
Left In: 0.002+/-0.000 χ^2/NDF:9487138.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 12078769.9/42

All: 0.002+/-0.000 χ^2/NDF: 28017842.7/86

- sign 0.002+/-0.000 χ^2/NDF: 15245347.8/43

asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.014+/-0.011 χ^2/NDF: 19.3/17

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.002+/-0.009 χ^2/NDF: 13.4/20

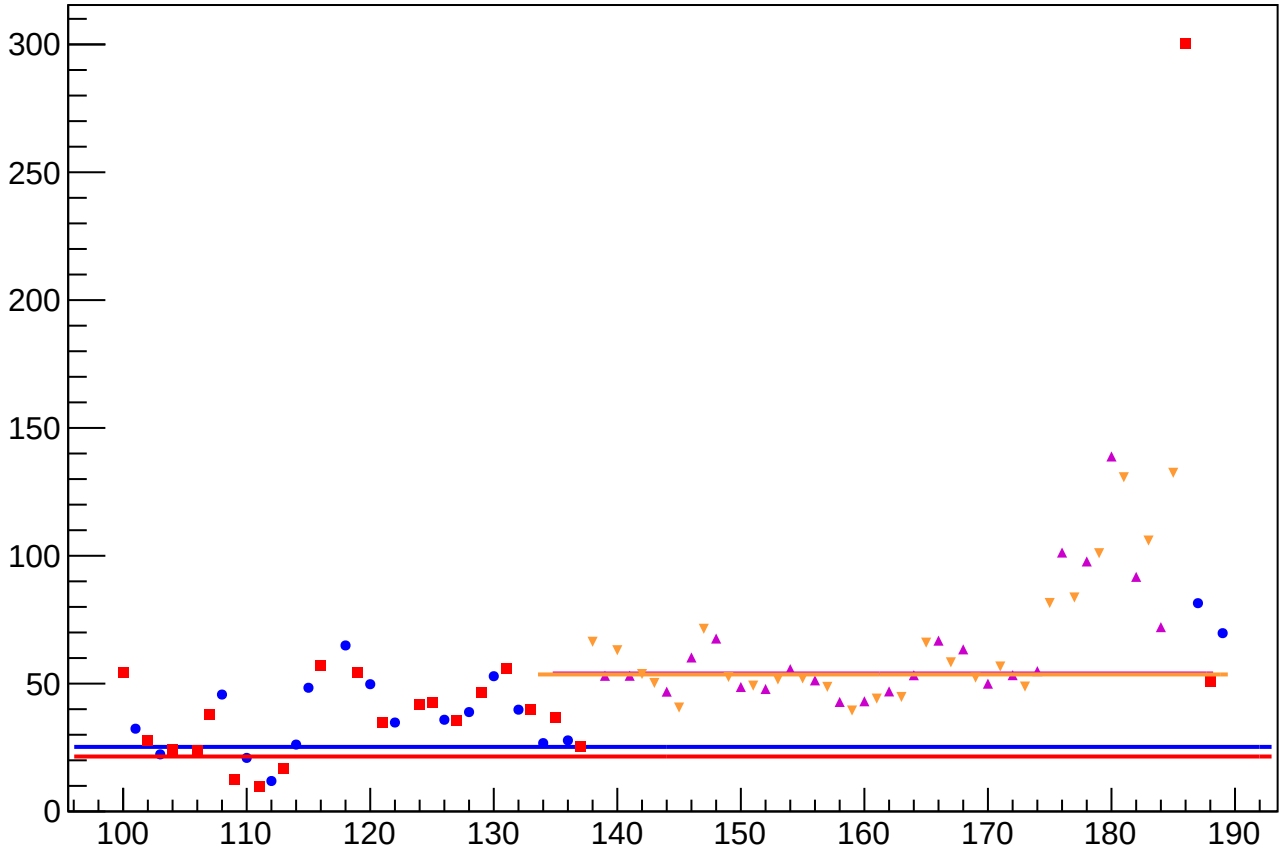
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign 0.001+/-0.008 χ^2/NDF: 47.3/42

All: -0.002+/-0.006 χ^2/NDF: 79.6/86

- sign -0.004+/-0.007 χ^2/NDF: 32.2/43

asym_sam5_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 25.251+/-0.007 χ^2/NDF: 3073668.4/17

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

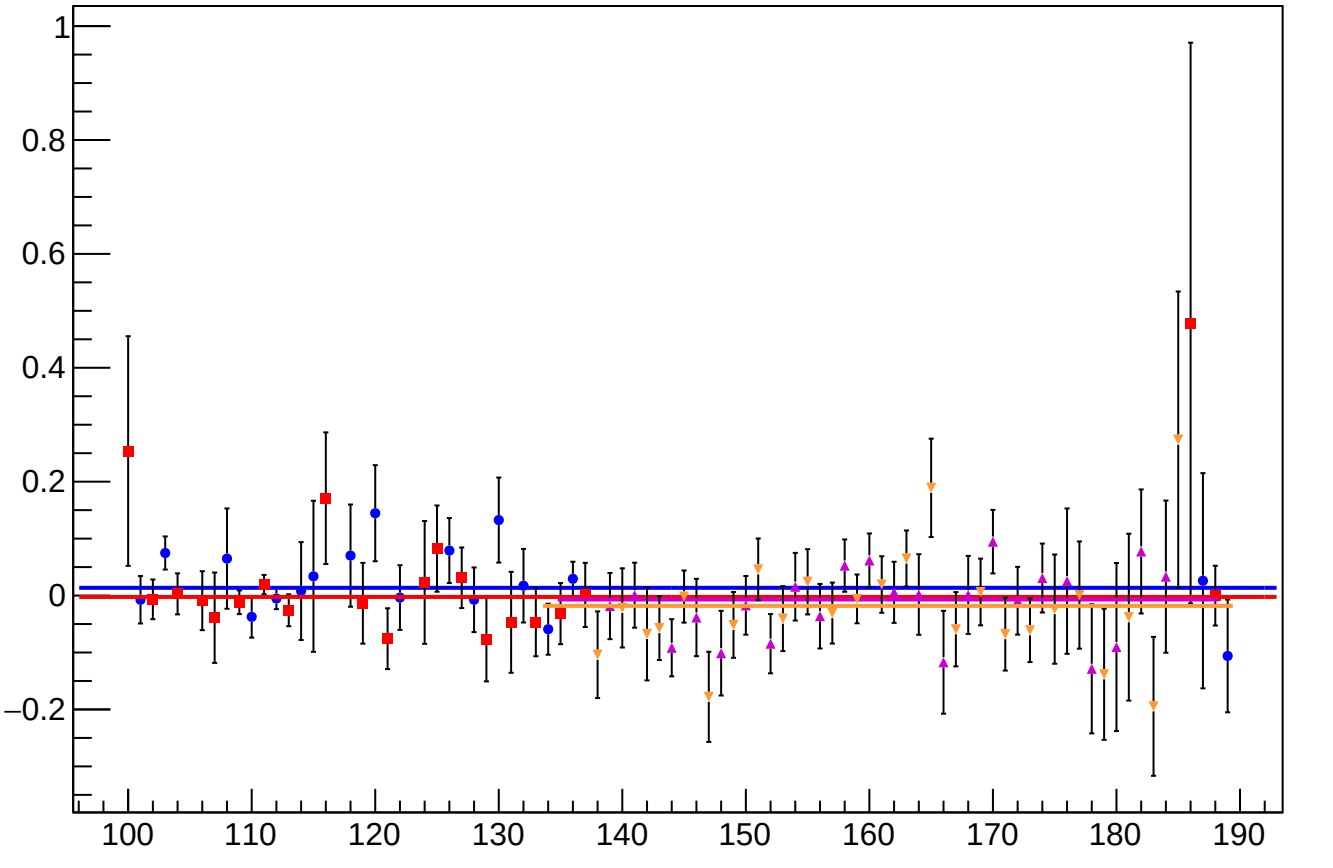
Right Out: 21.490+/-0.006 χ^2/NDF: 4871519.5/20

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

+ sign 36.660+/-0.006 χ^2/NDF: 11567959.0/42

All: 34.103+/-0.004 χ^2/NDF: 27063596.3/86

- sign 31.934+/-0.005 χ^2/NDF: 15129508.5/43



Right In: 0.014+/-0.011 χ^2/NDF: 19.3/17

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.002+/-0.009 χ^2/NDF: 13.4/20

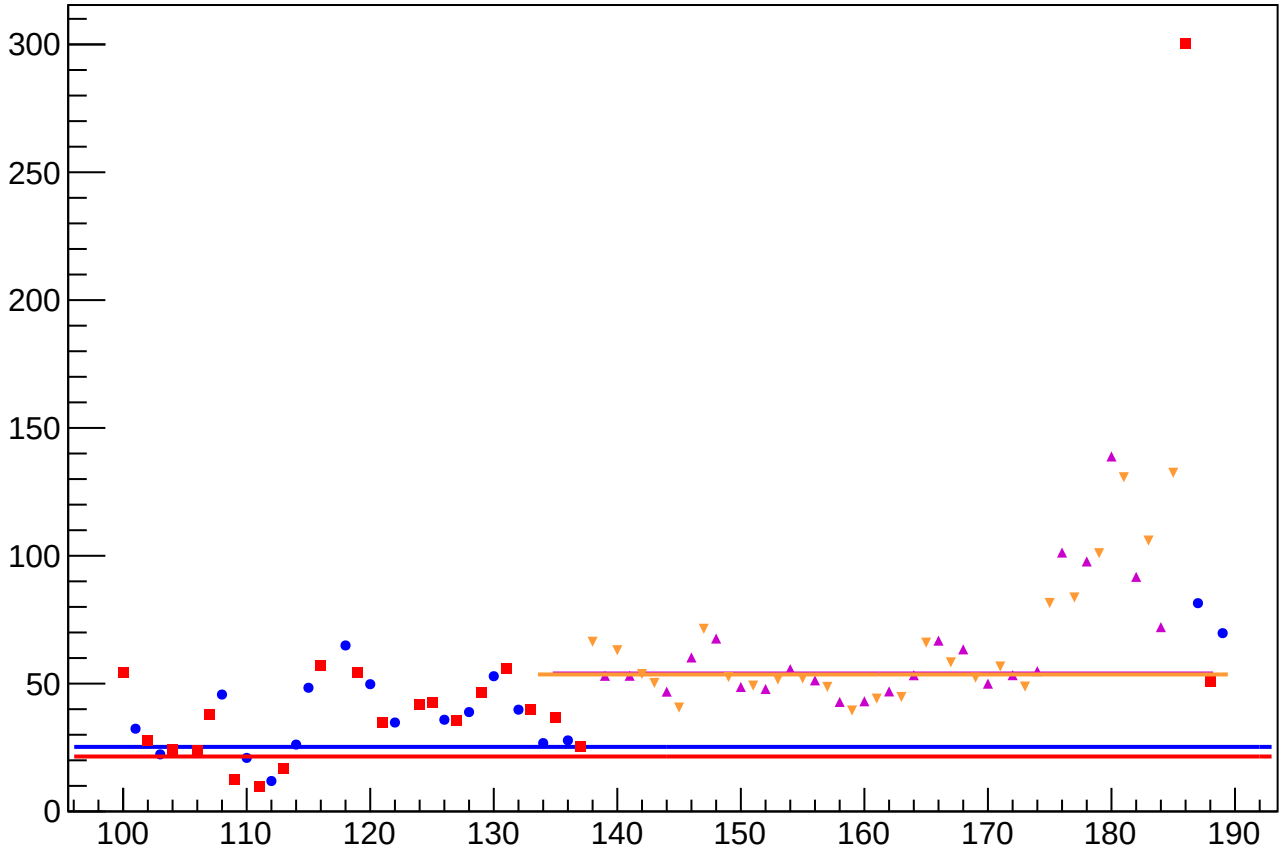
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign 0.001+/-0.008 χ^2/NDF: 47.3/42

All: -0.002+/-0.006 χ^2/NDF: 79.6/86

- sign -0.004+/-0.007 χ^2/NDF: 32.2/43

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.251+/-0.007 χ^2/NDF: 3073668.4/17

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

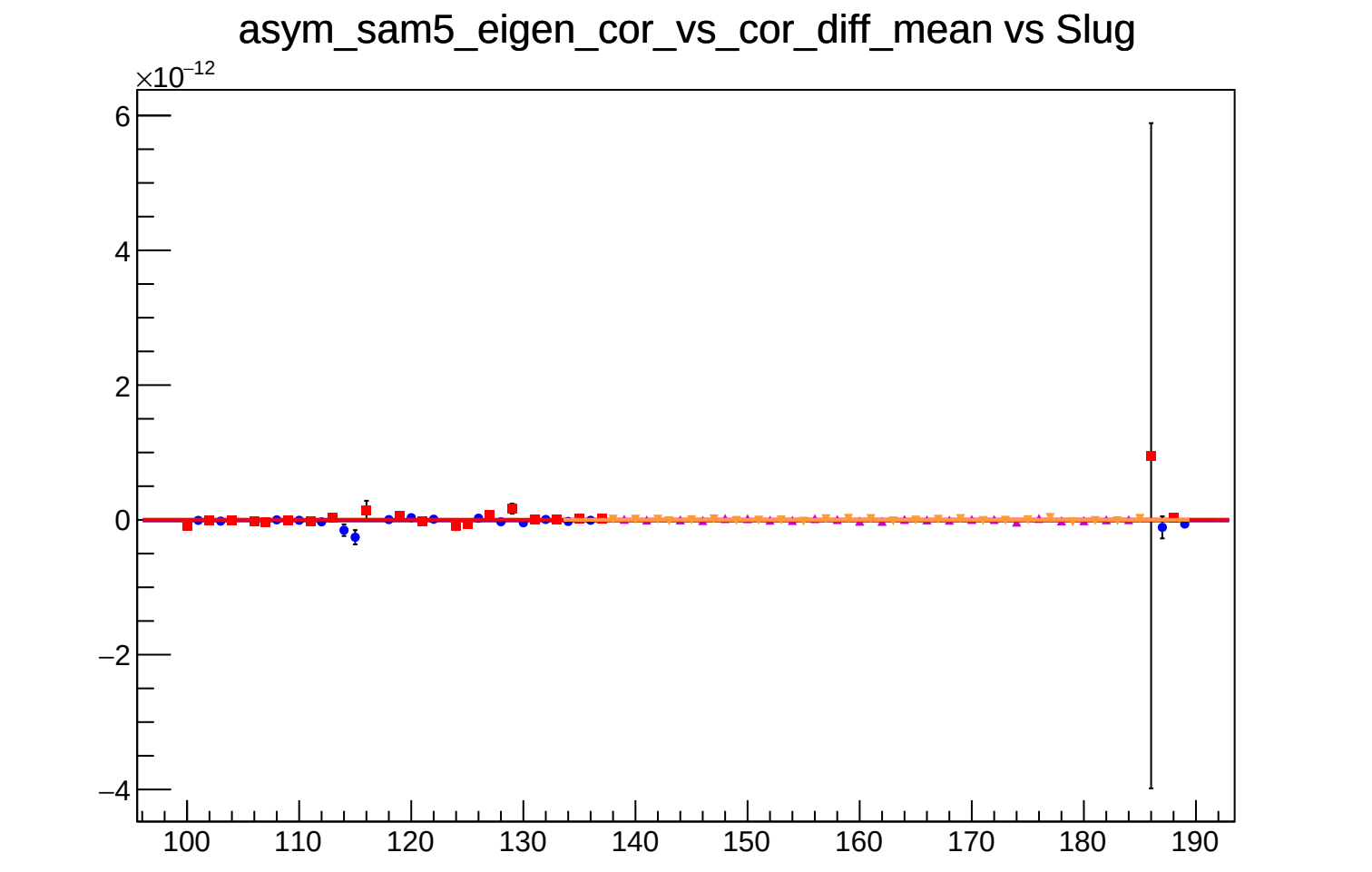
Right Out: 21.490+/-0.006 χ^2/NDF: 4871519.5/20

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

+ sign 36.660+/-0.006 χ^2/NDF: 11567959.0/42

All: 34.103+/-0.004 χ^2/NDF: 27063596.3/86

- sign 31.934+/-0.005 χ^2/NDF: 15129508.5/43



Right In: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:27.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.2/20

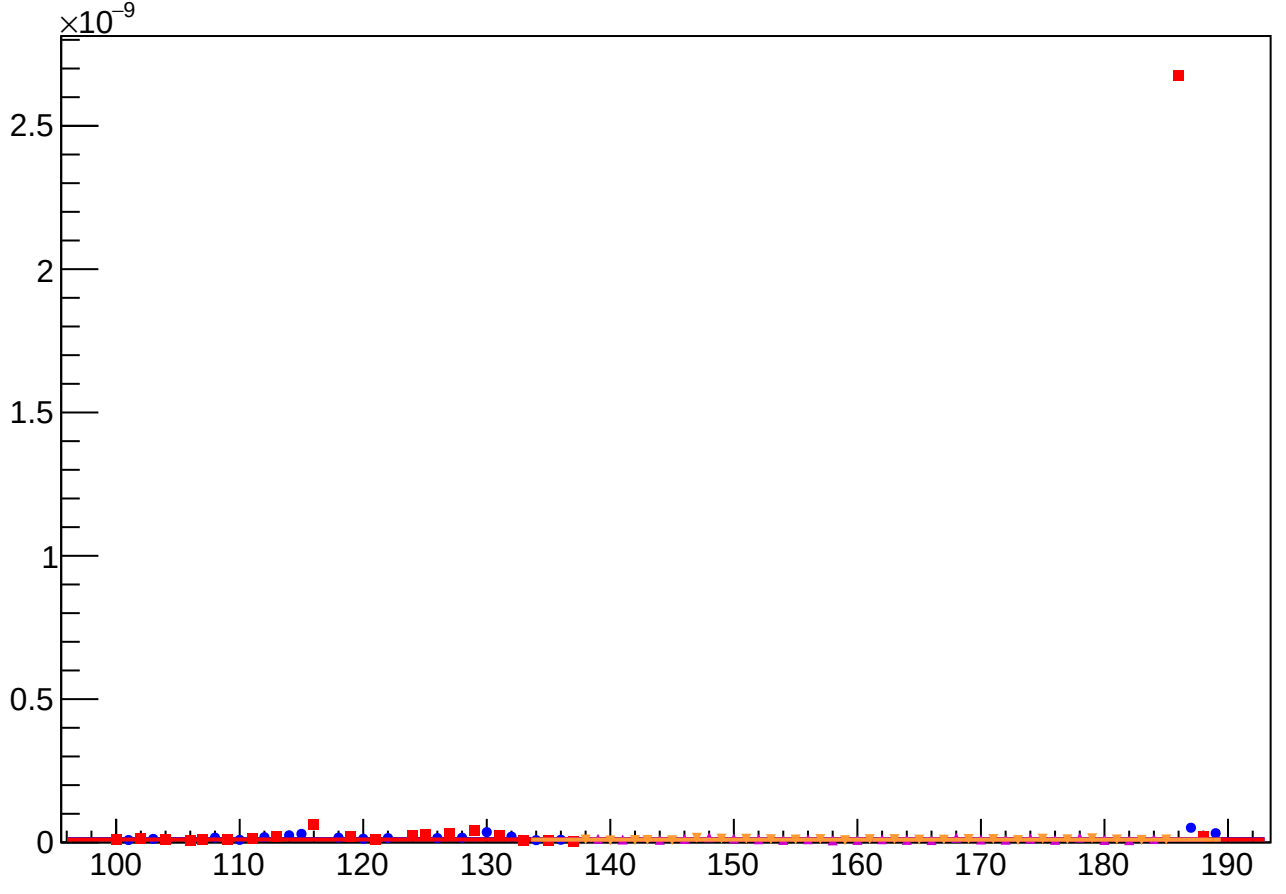
Left In: 0.000+/-0.000 χ^2/NDF:18.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 45.6/42

All: 0.000+/-0.000 χ^2/NDF: 91.5/86

- sign 0.000+/-0.000 χ^2/NDF: 45.6/43

asym_sam5_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1538299.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:1196110.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3535428.4/20

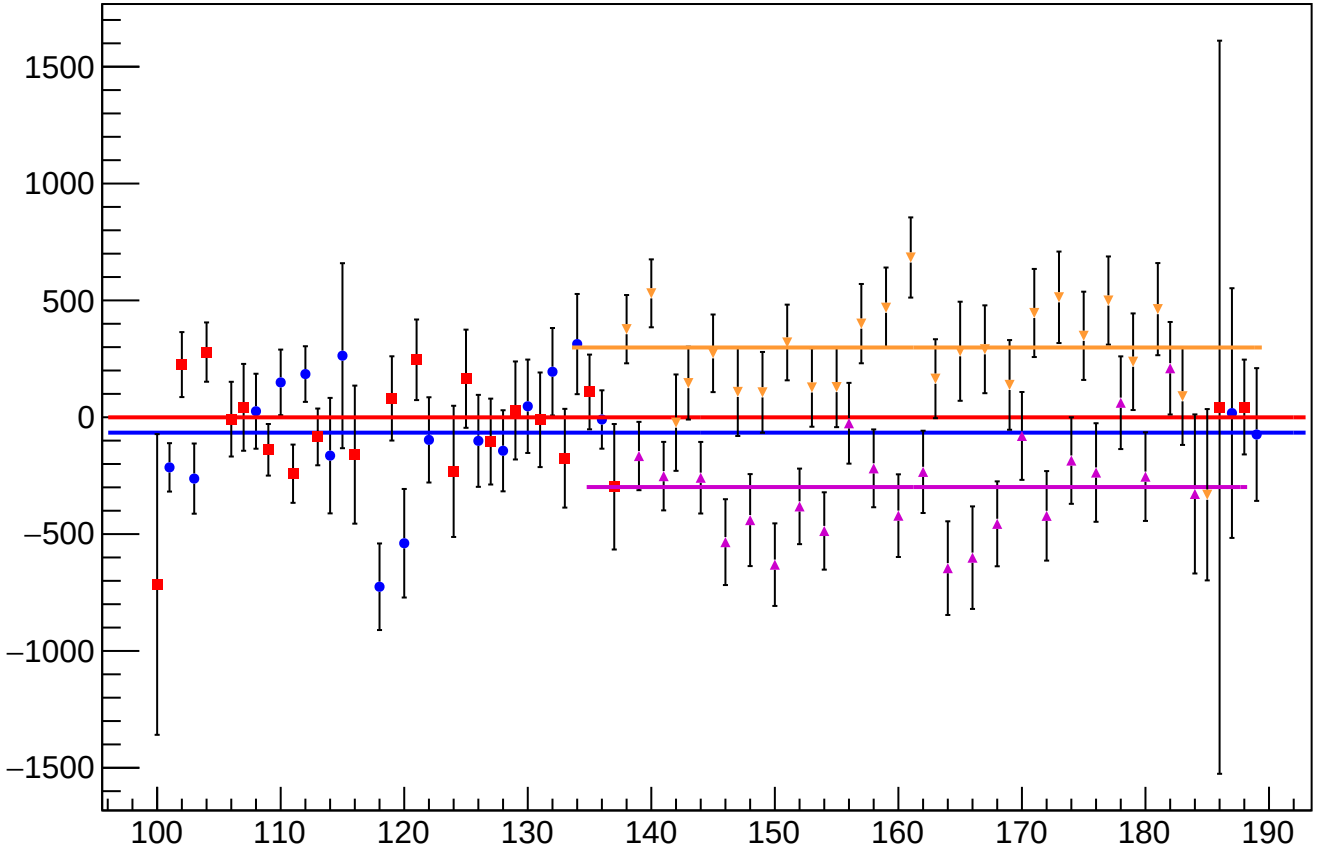
Left In: 0.000+/-0.000 χ^2/NDF:1313644.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 2914470.4/42

All: 0.000+/-0.000 χ^2/NDF: 7763633.0/86

- sign 0.000+/-0.000 χ^2/NDF: 4849152.8/43

reg_asym_sam6_mean vs Slug



Right In: -65.904+/-40.402 χ^2/NDF: 34.4/17

Left Out: 298.517+/-36.051 χ^2/NDF:26.0/24

Right Out: -0.371+/-38.161 χ^2/NDF: 21.2/20

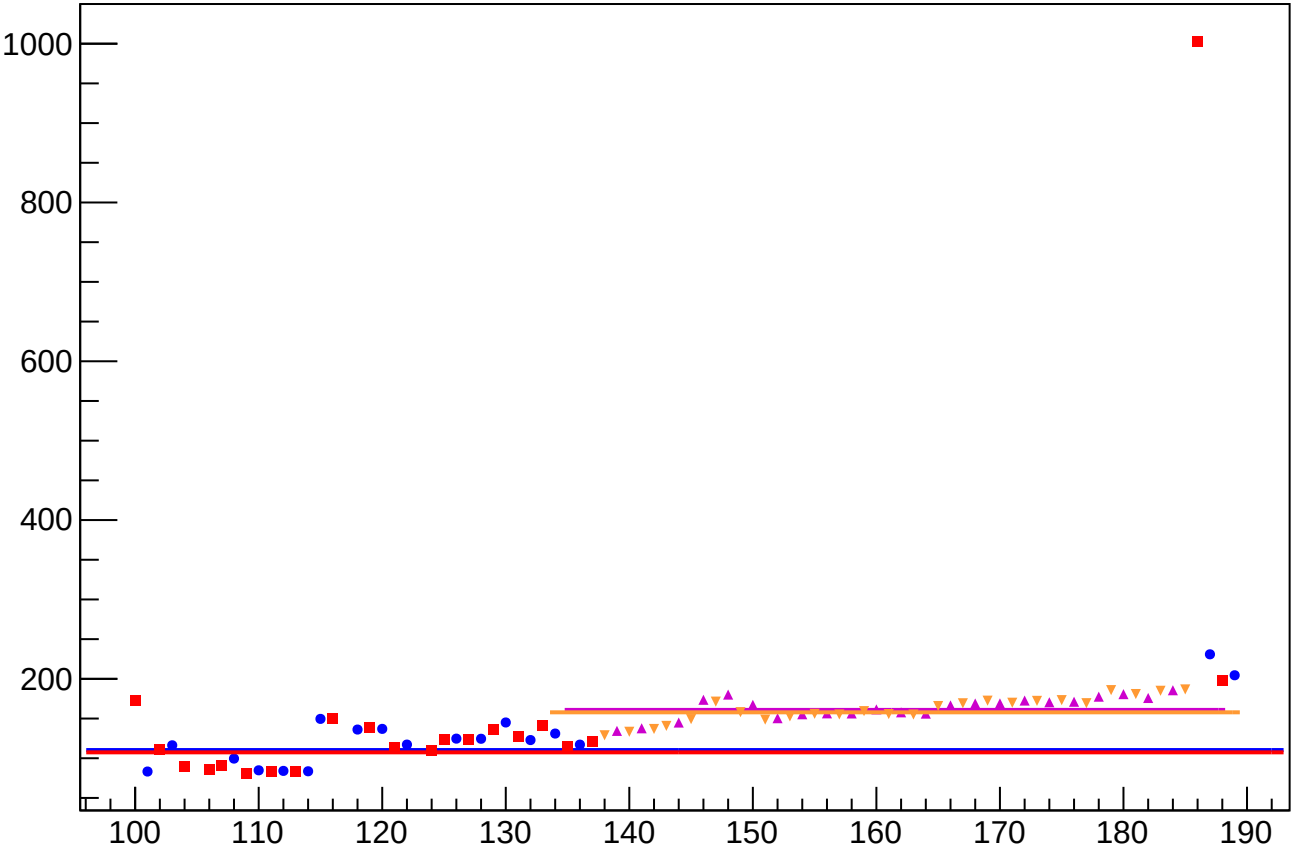
Left In: -298.675+/-37.727 χ^2/NDF:29.4/22

+ sign 136.982+/-26.899 χ^2/NDF: 105.7/42

All: -7.499+/-18.996 χ^2/NDF: 244.8/86

- sign -151.229+/-26.829 χ^2/NDF: 81.5/43

reg_asym_sam6_rms vs Slug



Right In: 110.309+/-0.029 χ^2/NDF: 863246.1/17

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 107.432+/-0.027 χ^2/NDF: 1689433.9/20

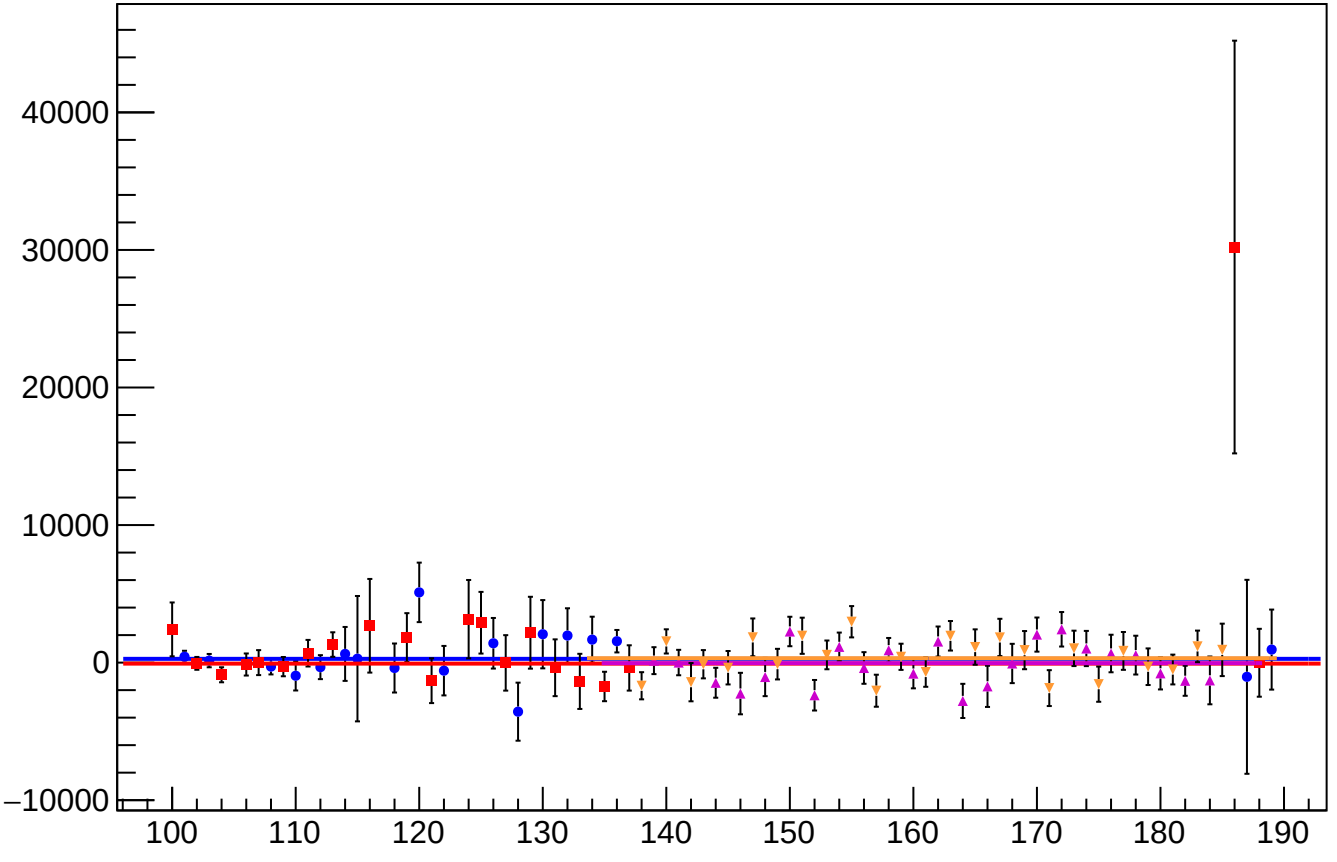
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 136.769+/-0.019 χ^2/NDF: 2781245.9/42

All: 135.611+/-0.013 χ^2/NDF: 6730108.4/86

- sign 134.459+/-0.019 χ^2/NDF: 3941465.0/43

asym_sam6_reg_correction_mean vs Slug



Right In: 274.336+/-229.819 χ^2/NDF: 16.6/17

Left Out: 319.947+/-235.084 χ^2/NDF:32.5/24

Right Out: -72.298+/-231.107 χ^2/NDF: 20.1/20

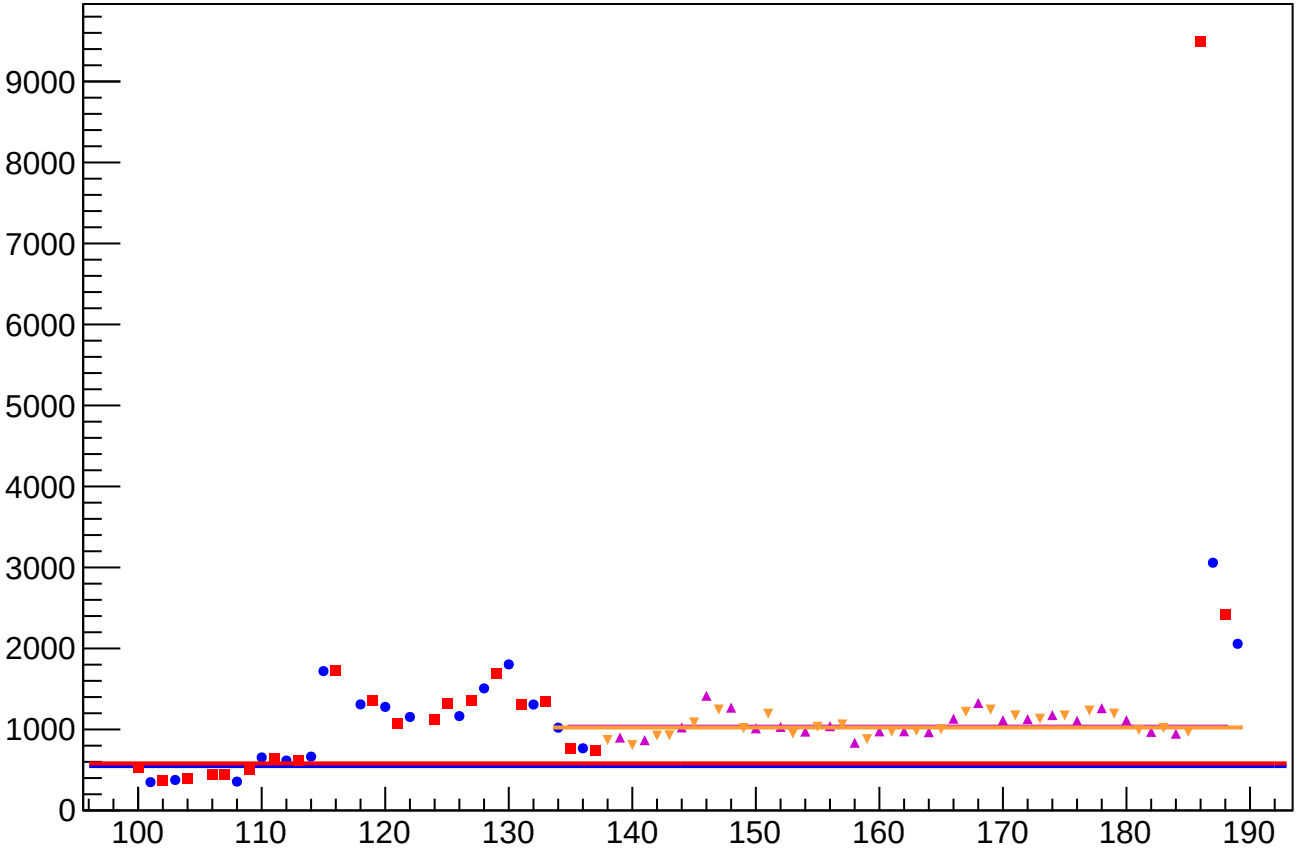
Left In: -39.197+/-244.156 χ^2/NDF:34.8/22

+ sign 296.625+/-164.336 χ^2/NDF: 49.1/42

All: 123.711+/-117.423 χ^2/NDF: 106.2/86

- sign -56.656+/-167.841 χ^2/NDF: 54.9/43

asym_sam6_reg_correction_rms vs Slug



Right In: 547.861+/-0.163 χ^2/NDF: 4430152.1/17

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.4/24

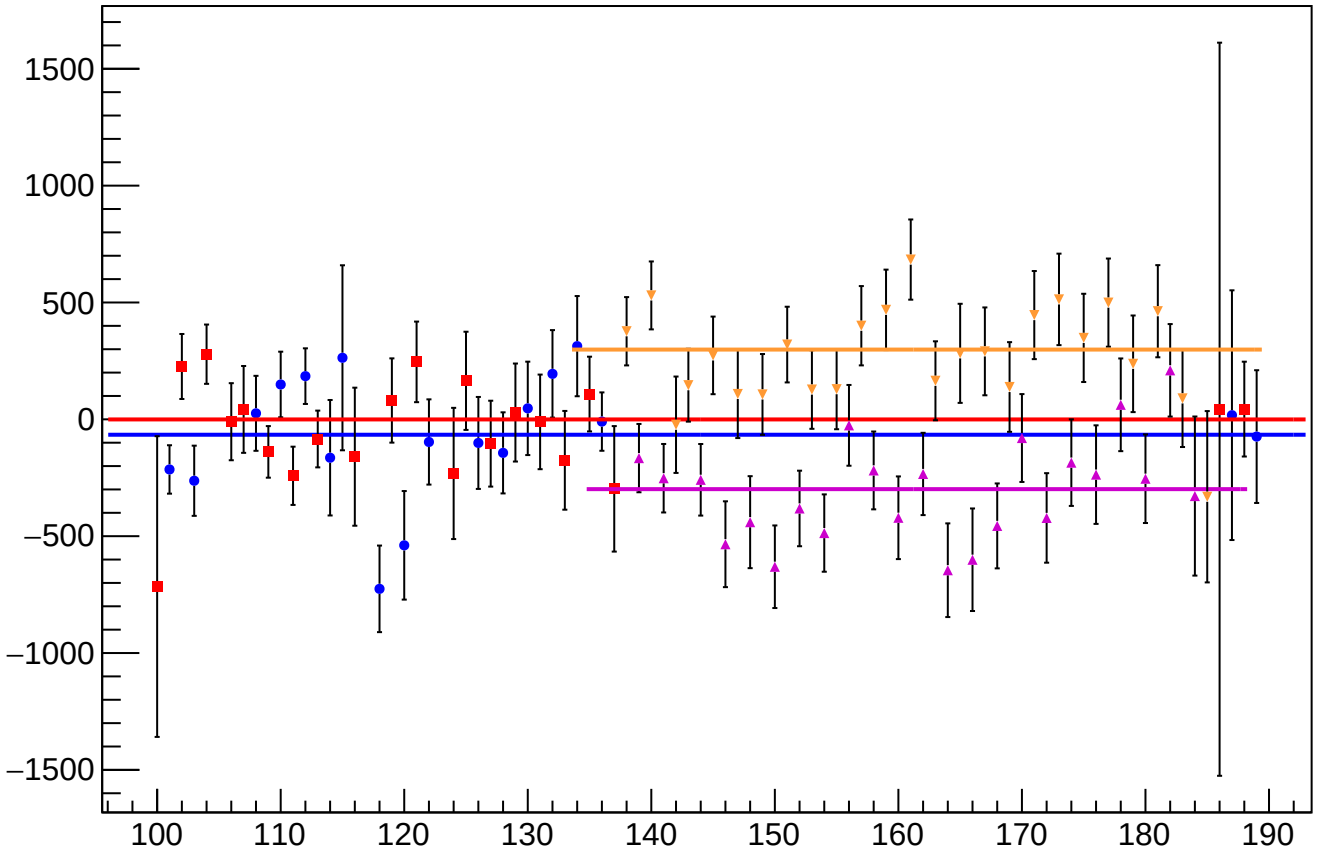
Right Out: 581.196+/-0.163 χ^2/NDF: 4931580.3/20

Left In: 1034.428+/-0.173 χ^2/NDF:628477.2/22

+ sign 780.780+/-0.116 χ^2/NDF: 9231630.1/42

All: 787.924+/-0.083 χ^2/NDF: 18434426.3/86

- sign 795.376+/-0.119 χ^2/NDF: 9195073.3/43



Right In: -65.929+/-40.402 χ^2/NDF: 34.4/17

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: -0.407+/-38.227 χ^2/NDF: 21.2/20

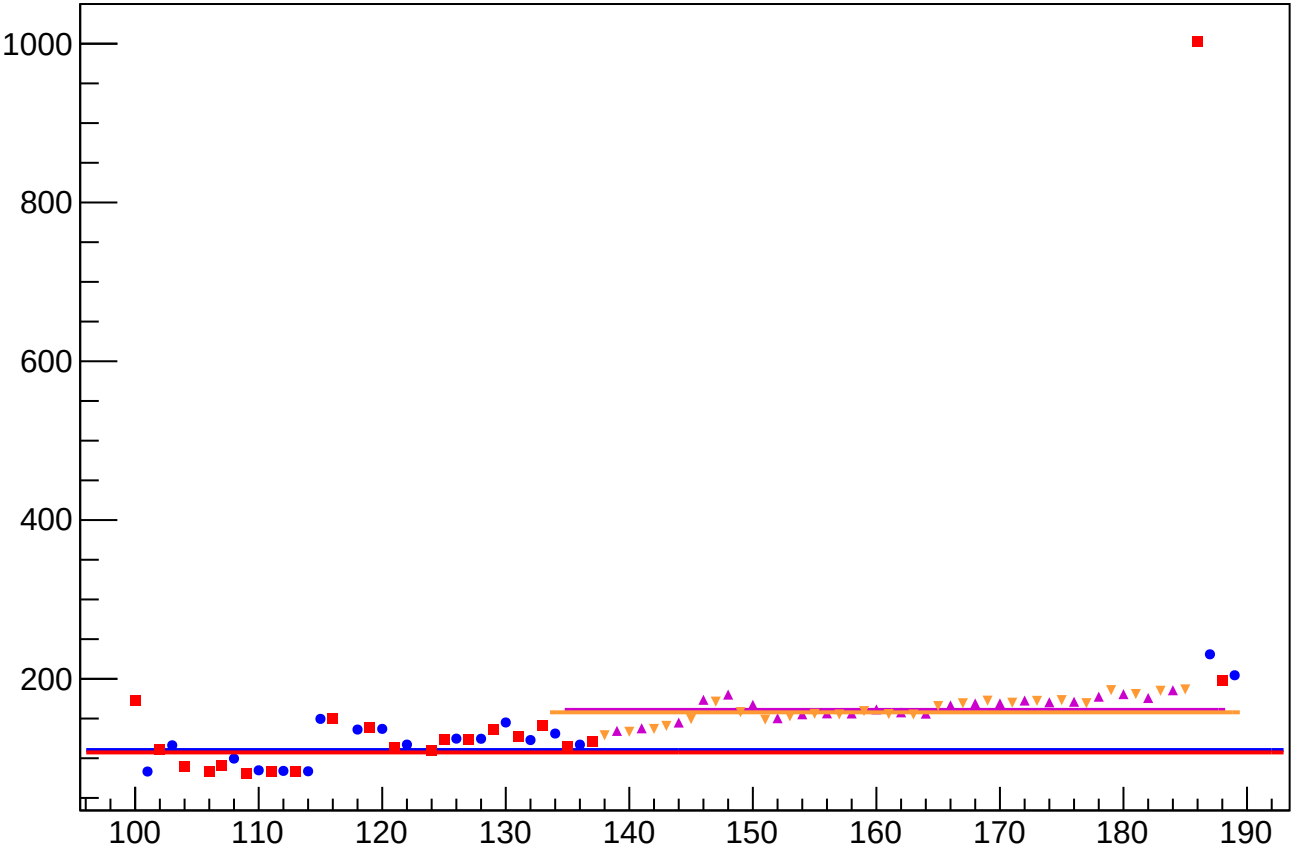
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 136.972+/-26.899 χ^2/NDF: 105.7/42

All: -7.522+/-19.004 χ^2/NDF: 244.8/86

- sign -151.511+/-26.852 χ^2/NDF: 81.5/43

cor_asym_sam6_rms vs Slug



Right In: 110.309+/-0.029 χ^2/NDF: 863246.9/17

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 107.337+/-0.027 χ^2/NDF: 1697919.3/20

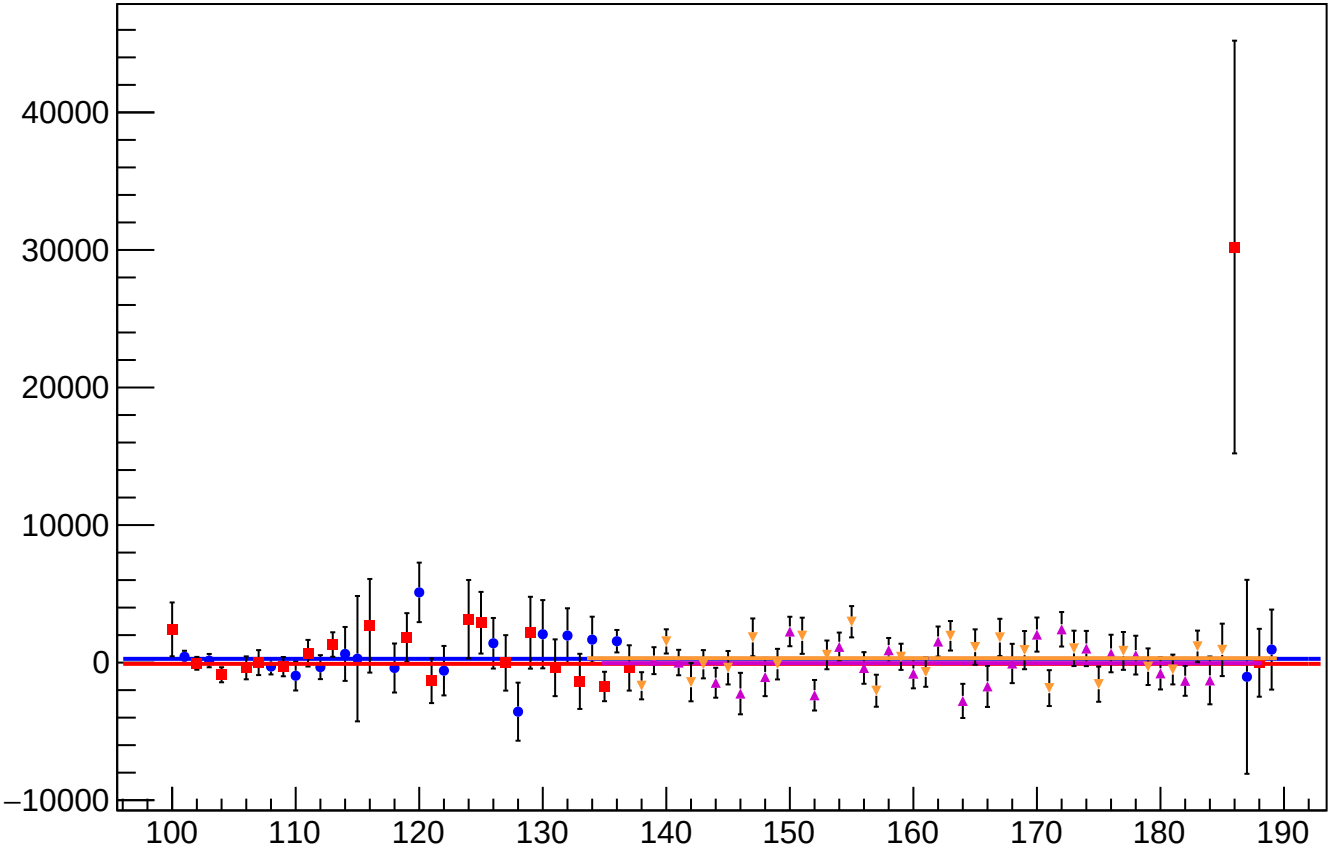
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 136.769+/-0.019 χ^2/NDF: 2781242.7/42

All: 135.612+/-0.013 χ^2/NDF: 6742106.9/86

- sign 134.459+/-0.019 χ^2/NDF: 3953471.6/43

asym_sam6_cor_correction_mean vs Slug



Right In: 274.475+/-229.812 χ^2/NDF: 16.6/17

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: -89.847+/-231.725 χ^2/NDF: 20.2/20

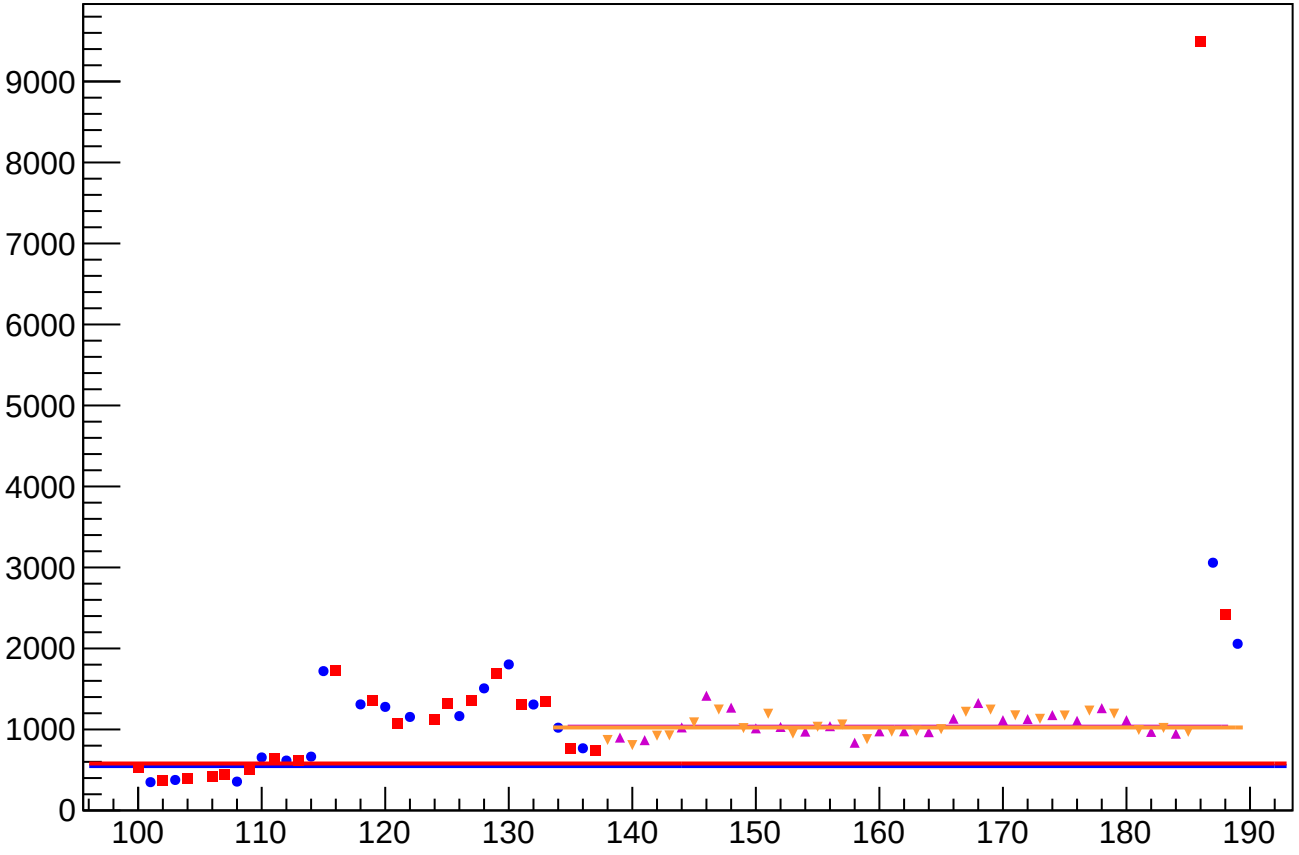
Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

+ sign 296.698+/-164.334 χ^2/NDF: 49.1/42

All: 119.509+/-117.503 χ^2/NDF: 106.5/86

- sign -65.845+/-168.077 χ^2/NDF: 55.0/43

asym_sam6_cor_correction_rms vs Slug



Right In: 547.839+/-0.163 χ^2/NDF: 4430372.4/17

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

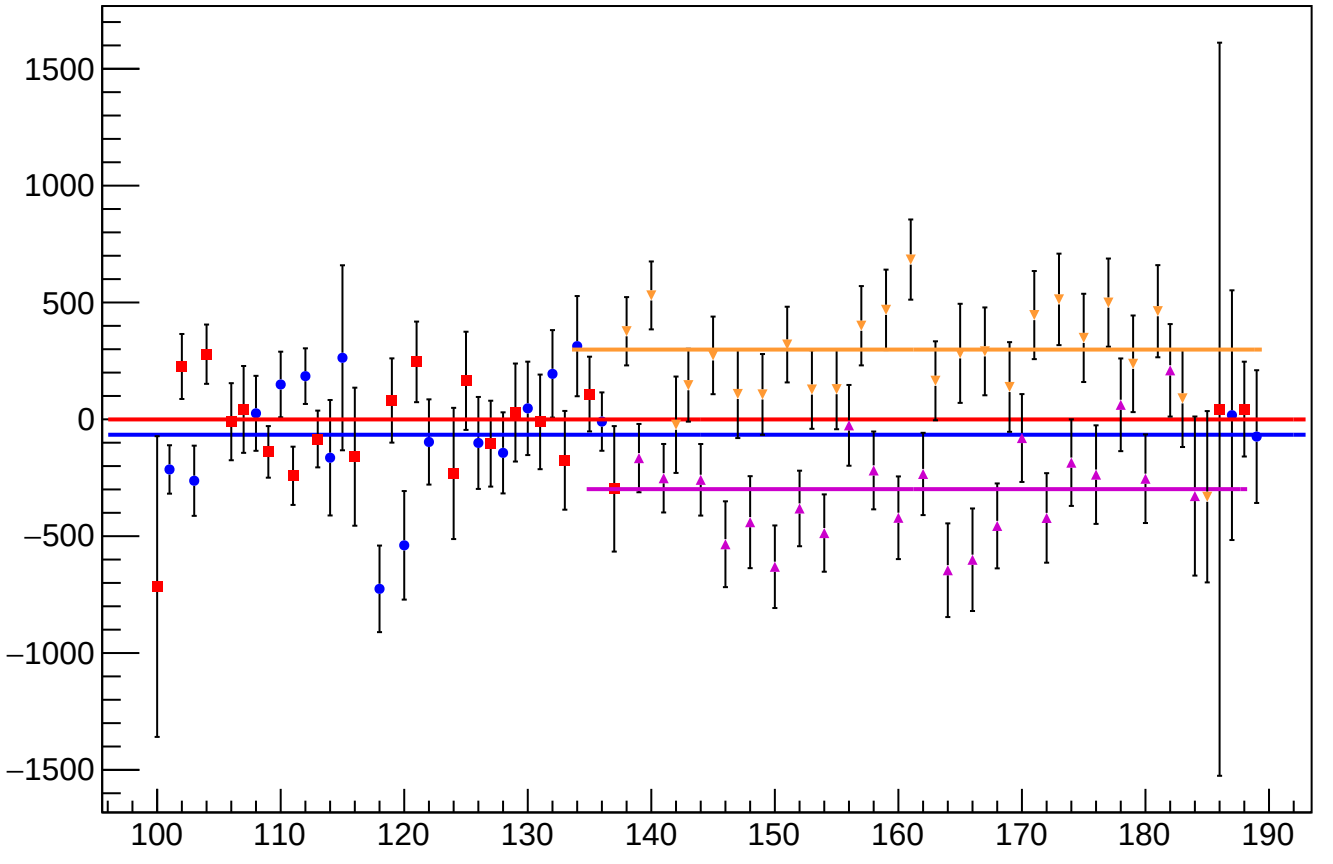
Right Out: 579.733+/-0.164 χ^2/NDF: 4953388.0/20

Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 780.761+/-0.116 χ^2/NDF: 9232370.6/42

All: 787.823+/-0.083 χ^2/NDF: 18471069.8/86

- sign 795.211+/-0.119 χ^2/NDF: 9231141.9/43



Right In: -65.929+/-40.402 χ^2/NDF: 34.4/17

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: -0.407+/-38.227 χ^2/NDF: 21.2/20

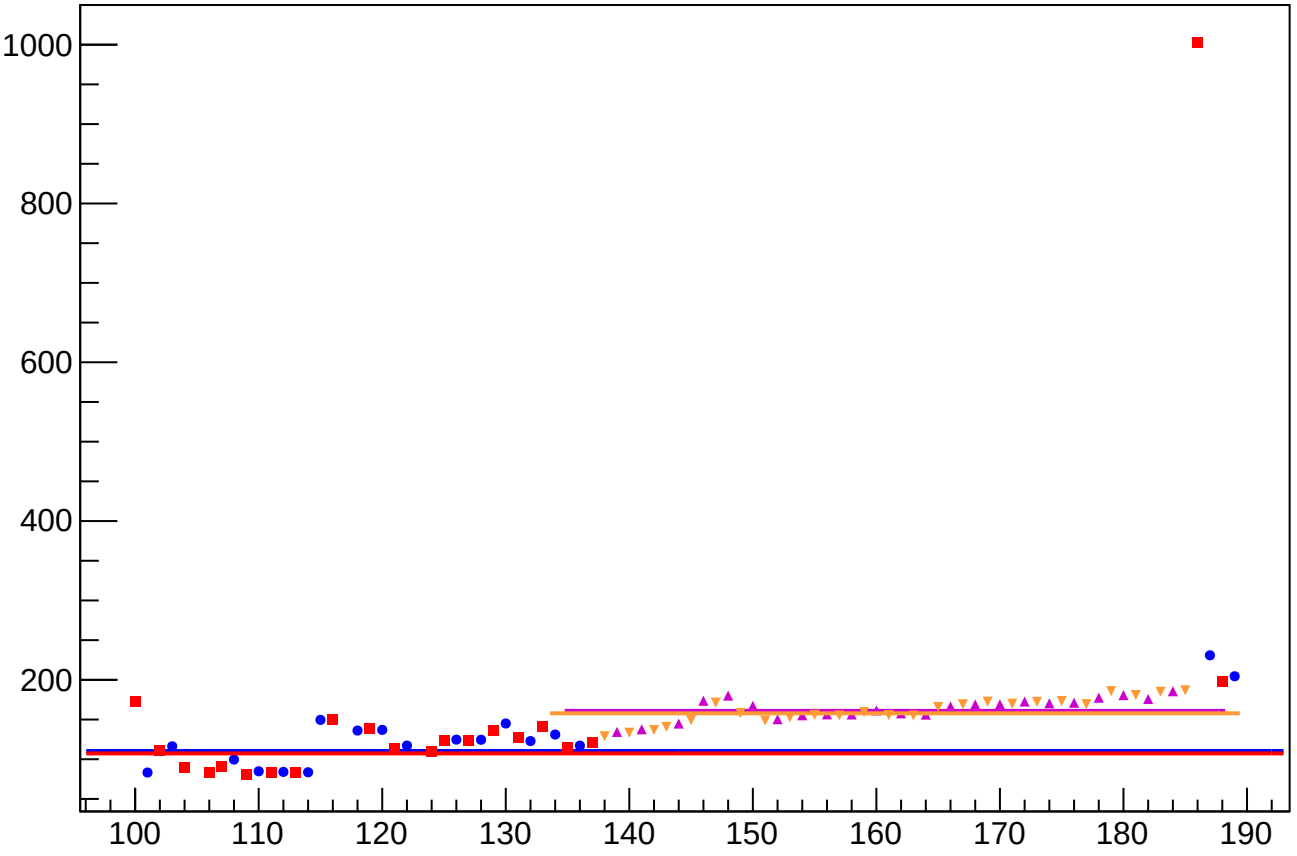
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 136.972+/-26.899 χ^2/NDF: 105.7/42

All: -7.522+/-19.004 χ^2/NDF: 244.8/86

- sign -151.511+/-26.852 χ^2/NDF: 81.5/43

eigen_cor_asym_sam6_rms vs Slug



Right In: 110.309+/-0.029 χ^2/NDF: 863246.9/17

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 107.337+/-0.027 χ^2/NDF: 1697919.3/20

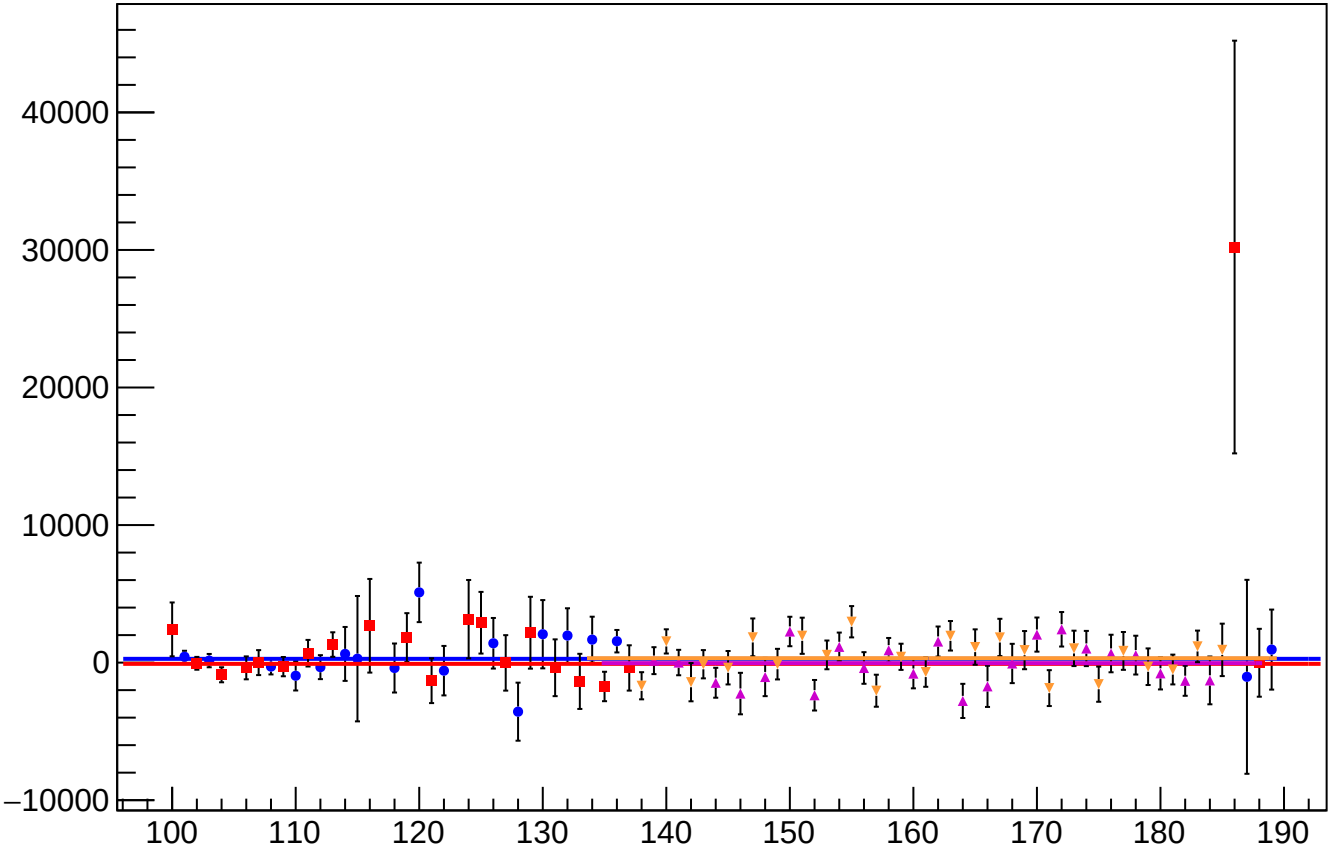
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 136.769+/-0.019 χ^2/NDF: 2781242.7/42

All: 135.612+/-0.013 χ^2/NDF: 6742106.9/86

- sign 134.459+/-0.019 χ^2/NDF: 3953471.6/43

asym_sam6_eigen_cor_correction_mean vs Slug



Right In: 274.475+/-229.812 χ^2/NDF: 16.6/17

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: -89.847+/-231.725 χ^2/NDF: 20.2/20

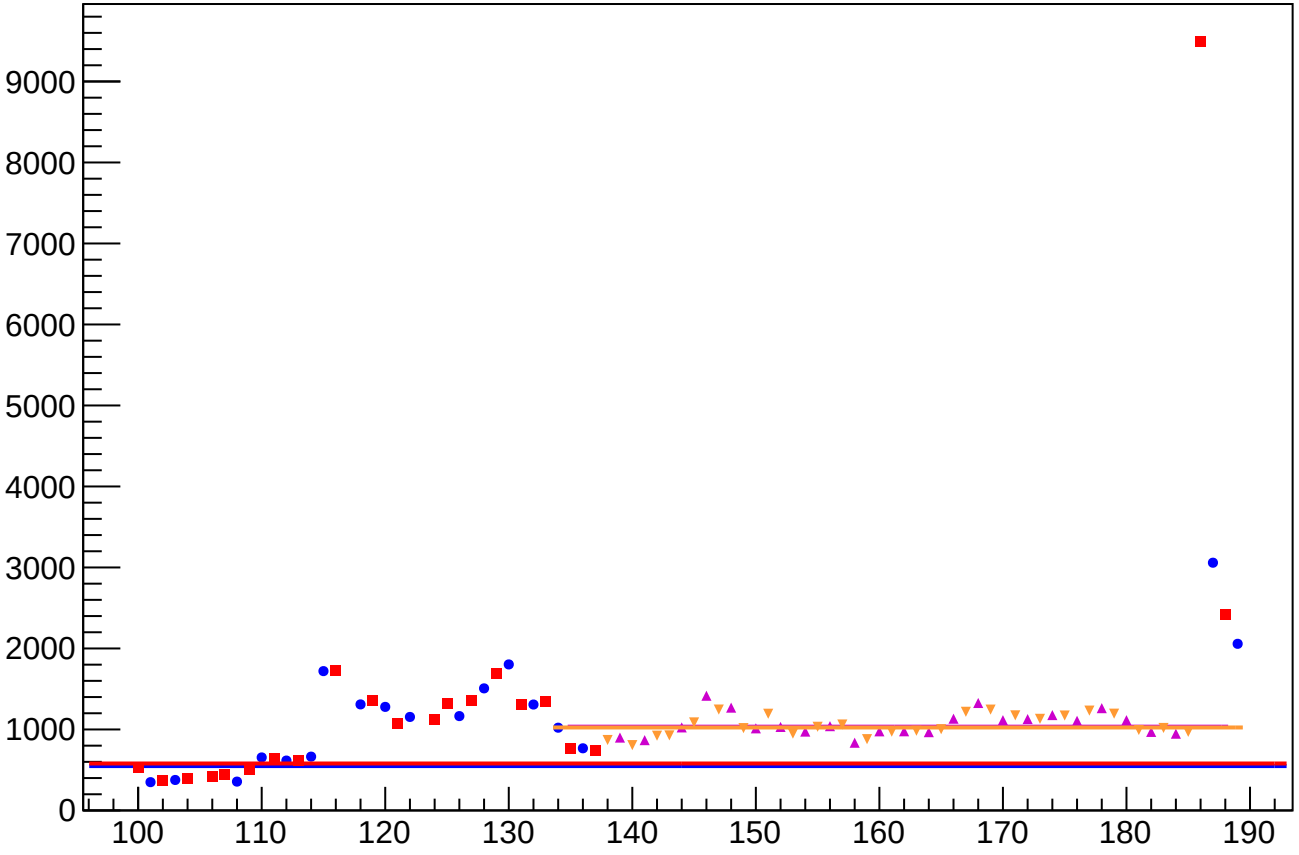
Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

+ sign 296.698+/-164.334 χ^2/NDF: 49.1/42

All: 119.509+/-117.503 χ^2/NDF: 106.5/86

- sign -65.845+/-168.077 χ^2/NDF: 55.0/43

asym_sam6_eigen_cor_correction_rms vs Slug



Right In: 547.839+/-0.163 χ^2/NDF: 4430372.4/17

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 579.733+/-0.164 χ^2/NDF: 4953388.0/20

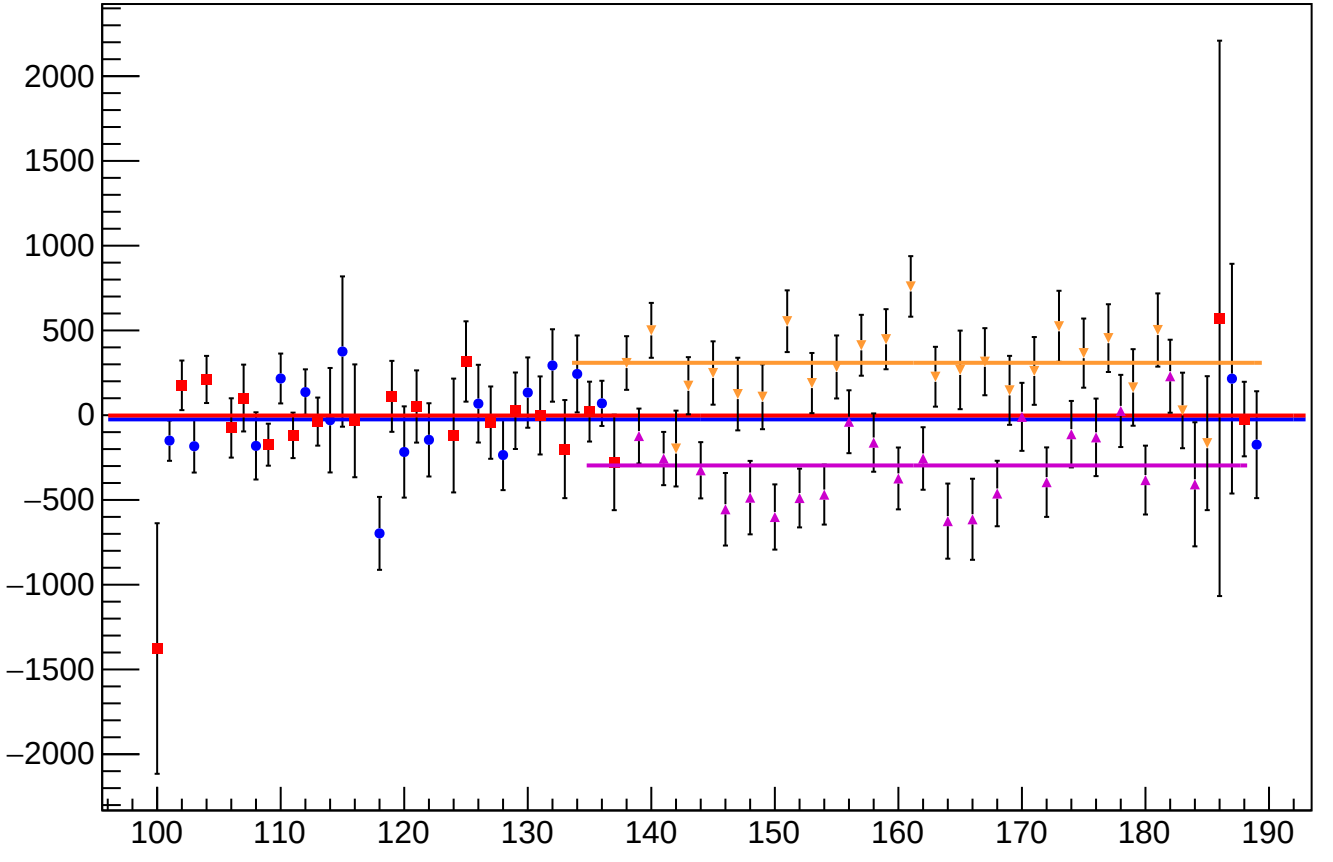
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 780.761+/-0.116 χ^2/NDF: 9232370.6/42

All: 787.823+/-0.083 χ^2/NDF: 18471069.8/86

- sign 795.211+/-0.119 χ^2/NDF: 9231141.9/43

dit_asym_sam6_mean vs Slug



Right In: -24.740+/-45.327 χ^2/NDF: 24.5/17

Left Out: 309.031+/-38.901 χ^2/NDF:25.6/24

Right Out: -2.011+/-42.718 χ^2/NDF: 14.4/20

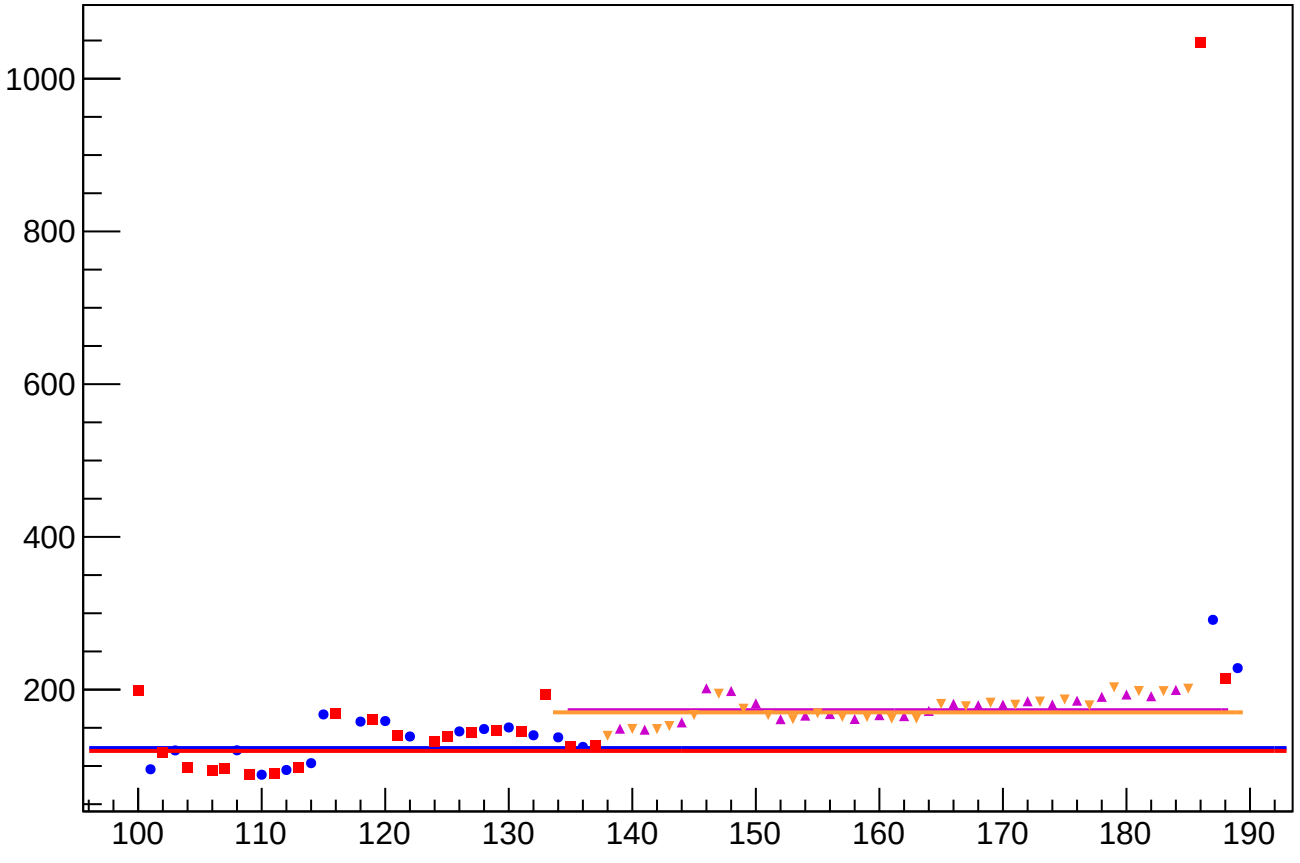
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

+ sign 167.465+/-29.520 χ^2/NDF: 81.3/42

All: 4.890+/-20.842 χ^2/NDF: 209.0/86

- sign -156.710+/-29.431 χ^2/NDF: 67.2/43

dit_asym_sam6_rms vs Slug



Right In: 123.450+/-0.032 χ^2/NDF: 882385.0/17

Left Out: 170.240+/-0.028 χ^2/NDF:366302.5/24

Right Out: 119.741+/-0.030 χ^2/NDF: 1801888.6/20

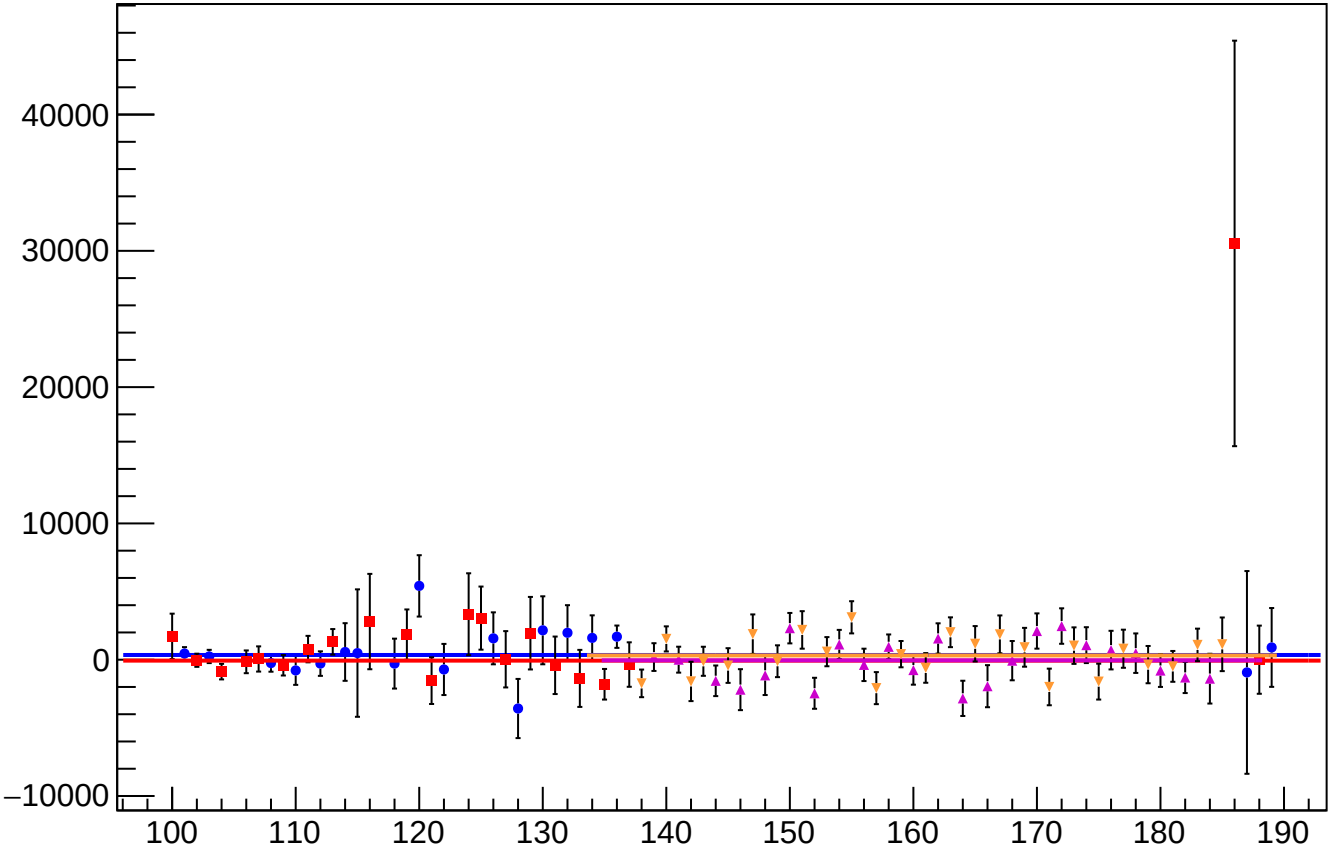
Left In: 173.024+/-0.029 χ^2/NDF:293702.8/22

+ sign 150.395+/-0.021 χ^2/NDF: 2475953.8/42

All: 149.059+/-0.015 χ^2/NDF: 6214283.1/86

- sign 147.732+/-0.021 χ^2/NDF: 3730166.3/43

asym_sam6_dit_correction_mean vs Slug



Right In: 346.946+/-240.568 χ^2/NDF: 16.3/17

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: -66.809+/-239.344 χ^2/NDF: 19.5/20

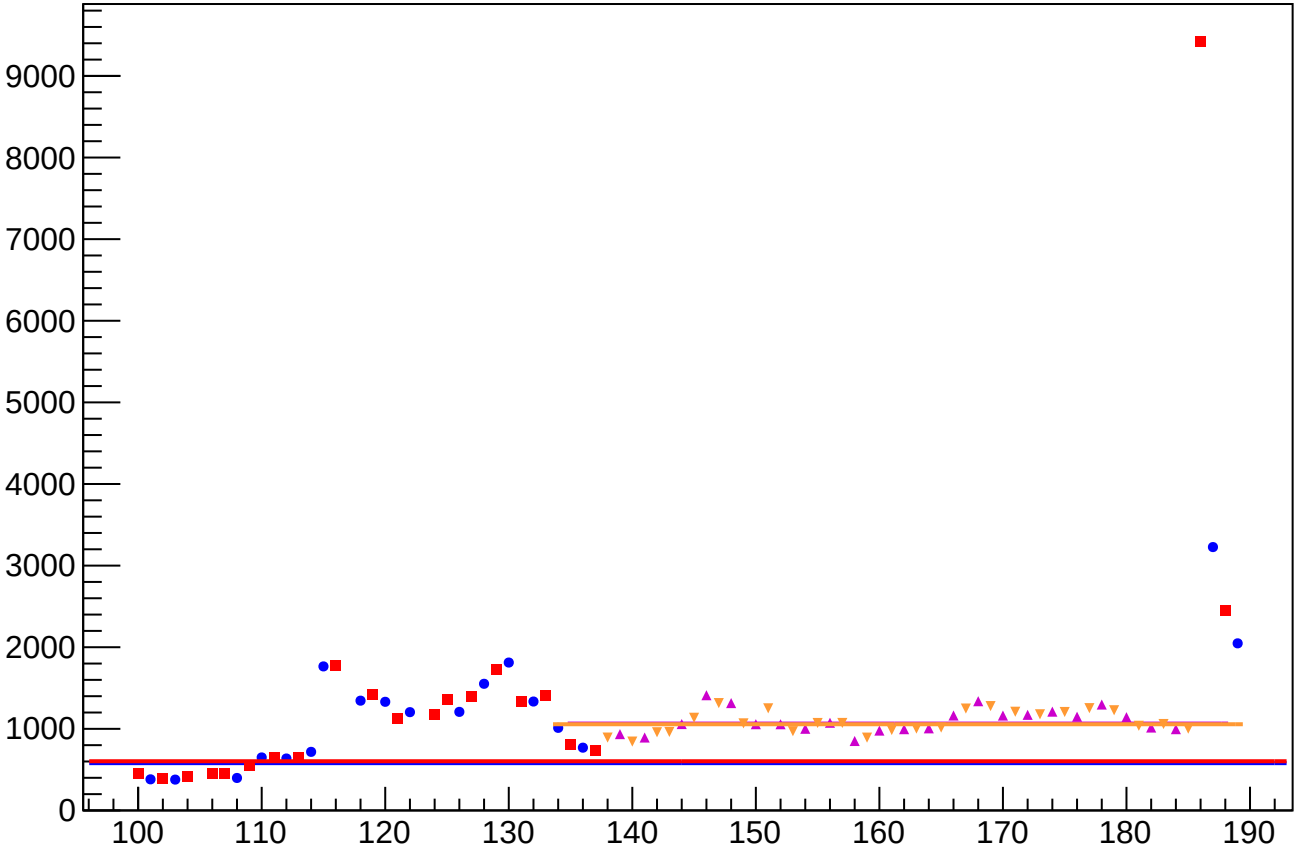
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 330.420+/-170.752 χ^2/NDF: 49.2/42

All: 139.333+/-121.630 χ^2/NDF: 105.7/86

- sign -57.495+/-173.298 χ^2/NDF: 53.9/43

asym_sam6_dit_correction_rms vs Slug



Right In: 579.637+/-0.170 χ^2/NDF: 4207089.2/17

Left Out: 1056.328+/-0.171 χ^2/NDF:610710.4/24

Right Out: 603.137+/-0.169 χ^2/NDF: 4908402.7/20

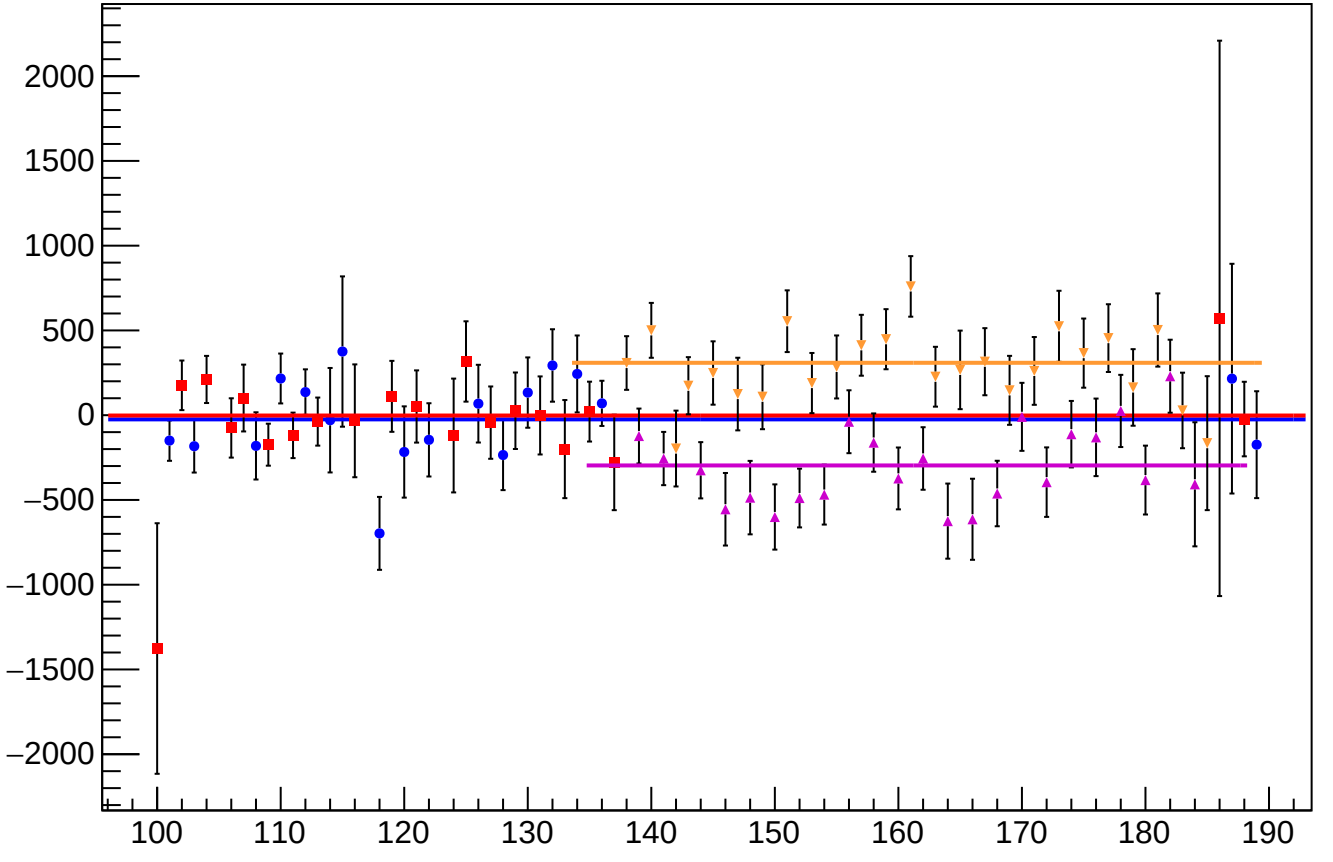
Left In: 1064.691+/-0.178 χ^2/NDF:611055.8/22

+ sign 816.172+/-0.121 χ^2/NDF: 8714426.0/42

All: 819.396+/-0.086 χ^2/NDF: 17773691.4/86

- sign 822.718+/-0.123 χ^2/NDF: 9057817.5/43

eigen_dit_asym_sam6_mean vs Slug



Right In: -24.742+/-45.327 χ^2/NDF: 24.5/17

Left Out: 309.032+/-38.901 χ^2/NDF:25.6/24

Right Out: -2.012+/-42.718 χ^2/NDF: 14.4/20

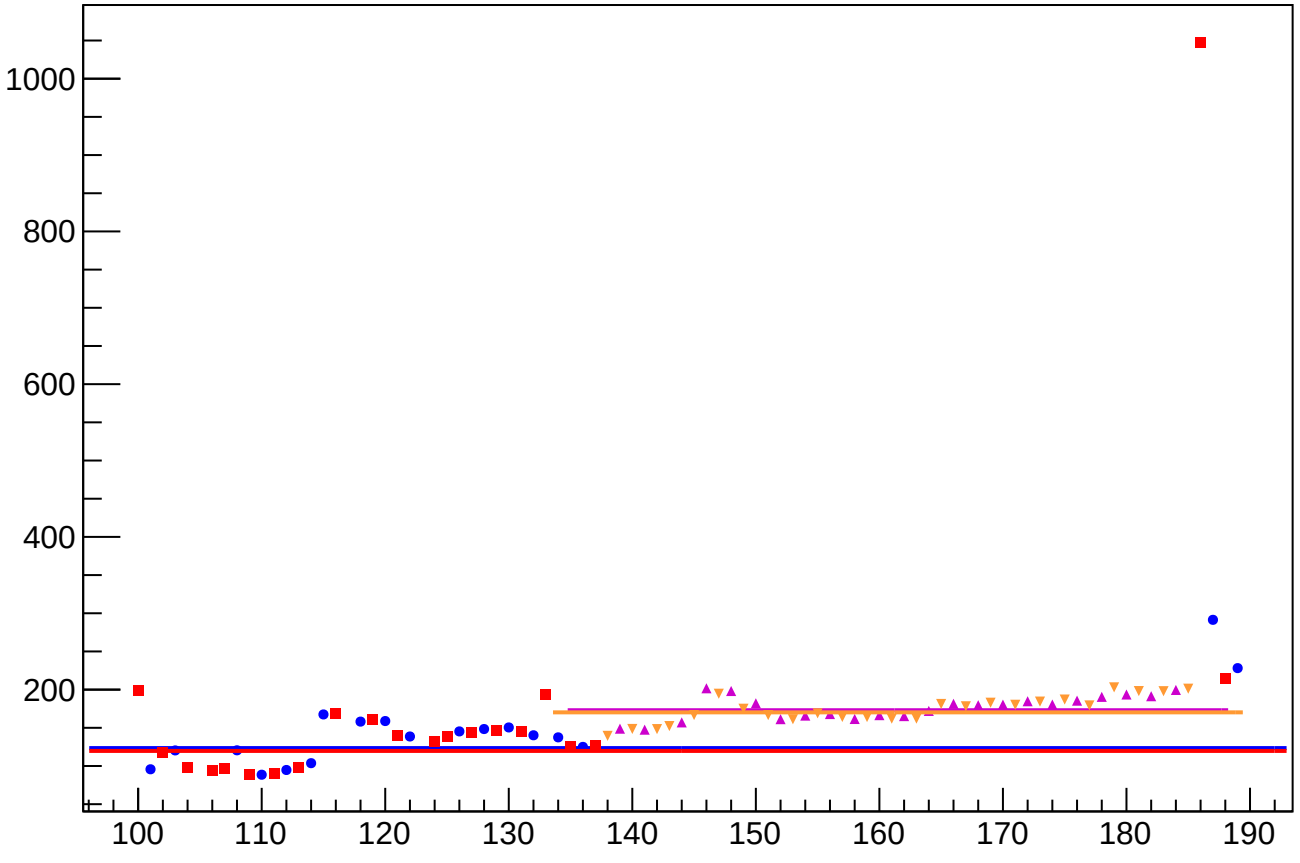
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

+ sign 167.465+/-29.520 χ^2/NDF: 81.3/42

All: 4.890+/-20.842 χ^2/NDF: 209.0/86

- sign -156.711+/-29.431 χ^2/NDF: 67.2/43

eigen_dit_asym_sam6_rms vs Slug



Right In: 123.450+/-0.032 χ^2/NDF: 882388.6/17

Left Out: 170.240+/-0.028 χ^2/NDF:366303.1/24

Right Out: 119.741+/-0.030 χ^2/NDF: 1801884.6/20

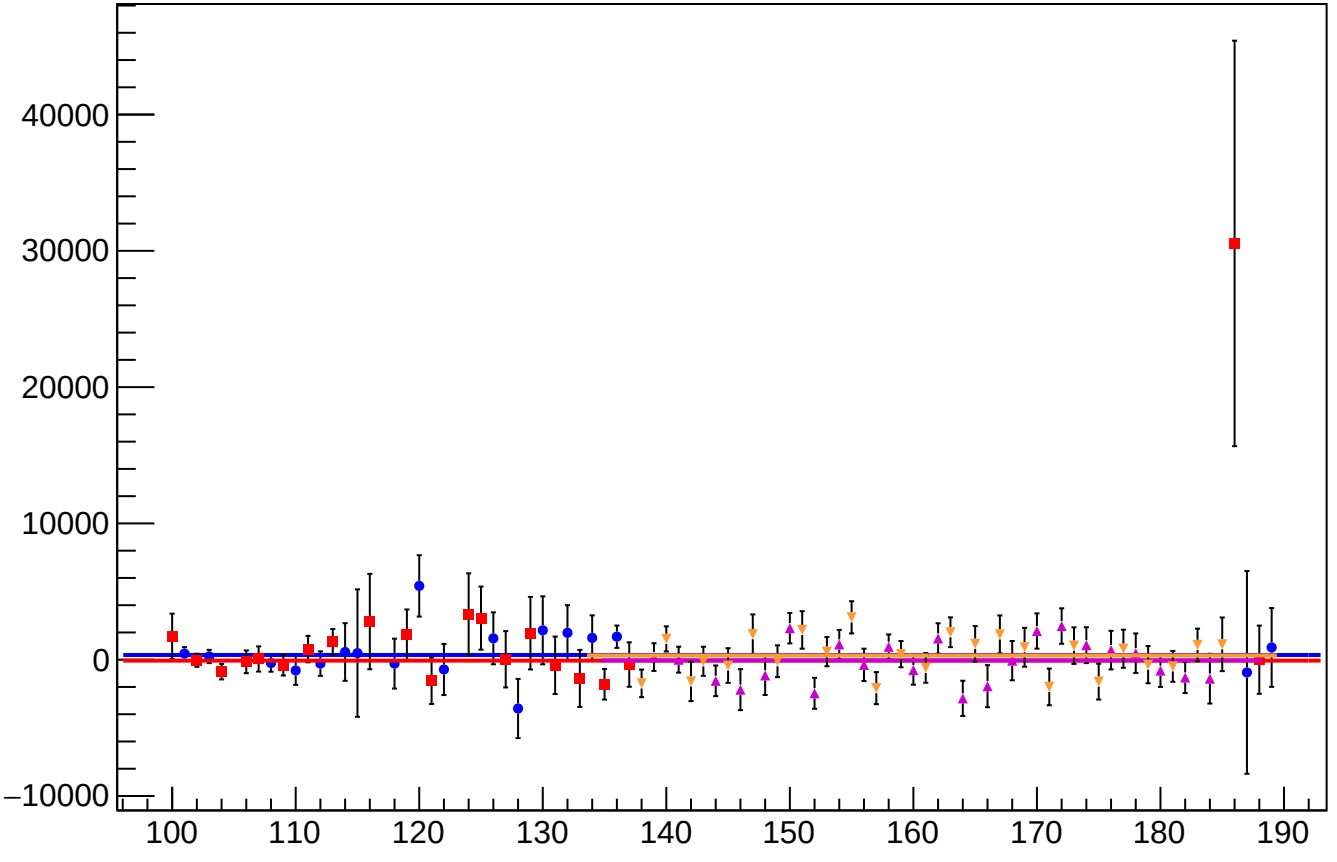
Left In: 173.023+/-0.029 χ^2/NDF:293703.4/22

+ sign 150.394+/-0.021 χ^2/NDF: 2475965.9/42

All: 149.059+/-0.015 χ^2/NDF: 6214297.9/86

- sign 147.731+/-0.021 χ^2/NDF: 3730169.4/43

asym_sam6_eigen_dit_correction_mean vs Slug



Right In: 346.945+/-240.567 χ^2/NDF: 16.3/17

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: -66.810+/-239.344 χ^2/NDF: 19.5/20

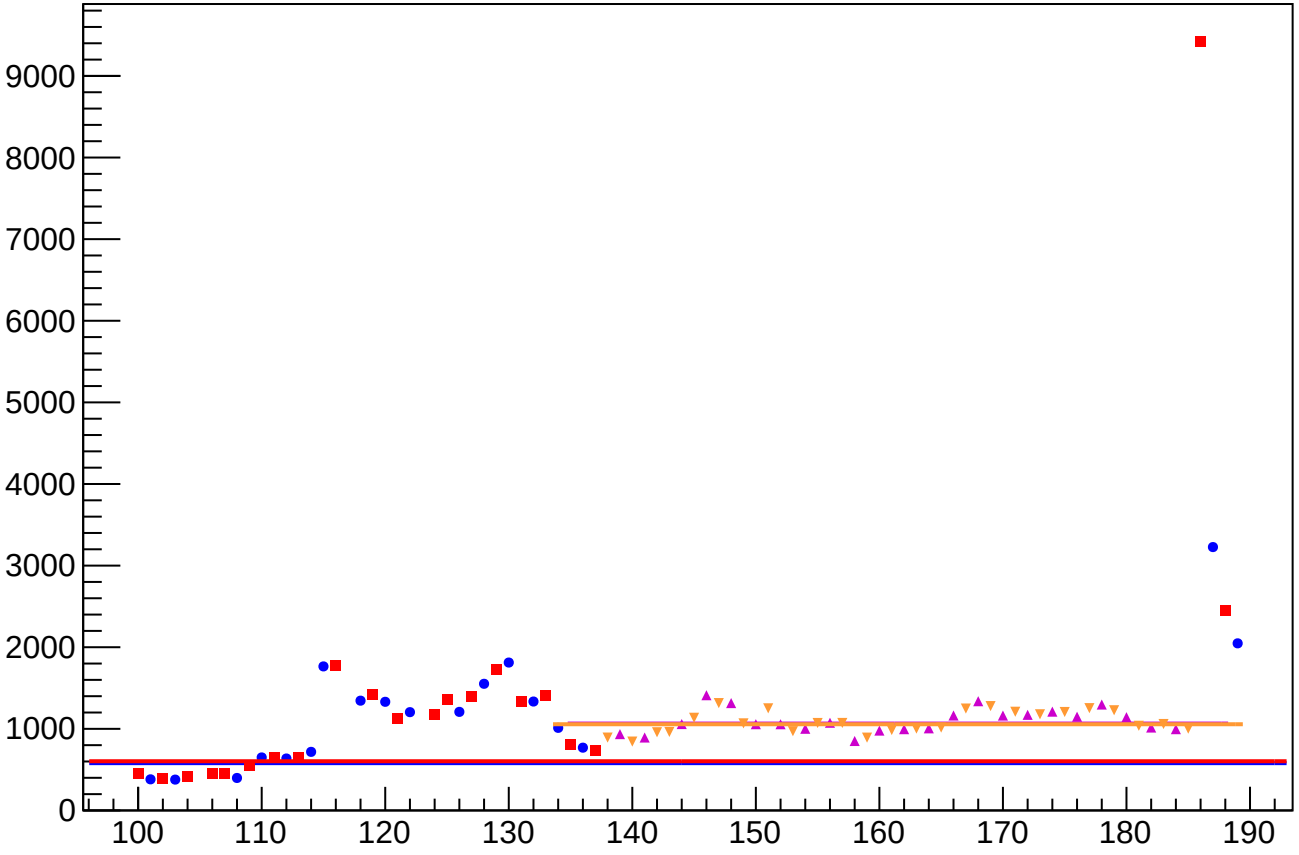
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 330.420+/-170.752 χ^2/NDF: 49.2/42

All: 139.333+/-121.630 χ^2/NDF: 105.7/86

- sign -57.495+/-173.298 χ^2/NDF: 53.9/43

asym_sam6_eigen_dit_correction_rms vs Slug



Right In: 579.636+/-0.170 χ^2/NDF: 4207093.7/17

Left Out: 1056.328+/-0.171 χ^2/NDF:610715.5/24

Right Out: 603.137+/-0.169 χ^2/NDF: 4908403.1/20

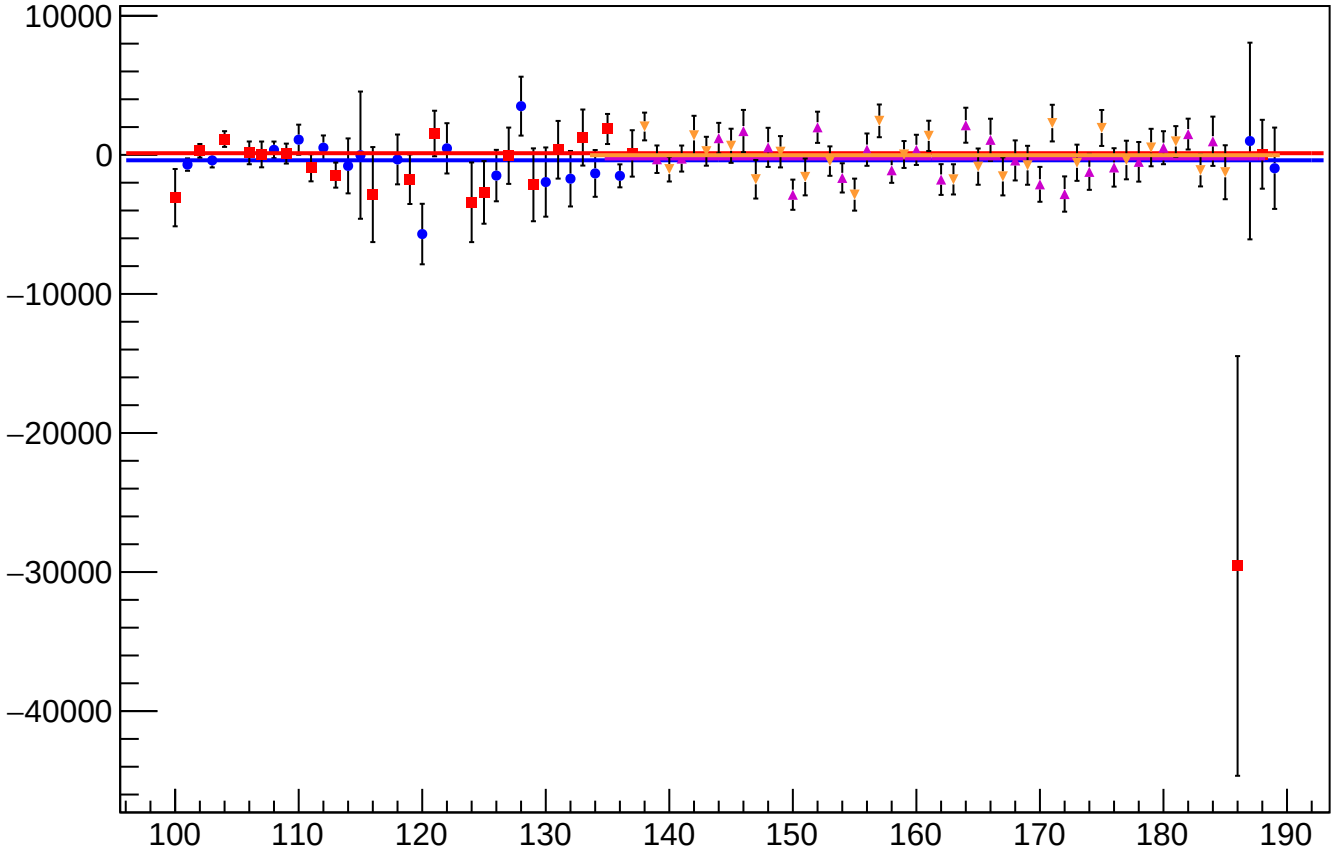
Left In: 1064.691+/-0.178 χ^2/NDF:611059.3/22

+ sign 816.171+/-0.121 χ^2/NDF: 8714454.6/42

All: 819.396+/-0.086 χ^2/NDF: 17773734.4/86

- sign 822.717+/-0.123 χ^2/NDF: 9057831.7/43

asym_sam6_mean vs Slug



Right In: -388.731+/-236.612 χ^2/NDF: 18.0/17

Left Out: -21.861+/-237.972 χ^2/NDF:34.5/24

Right Out: 120.489+/-237.117 χ^2/NDF: 23.3/20

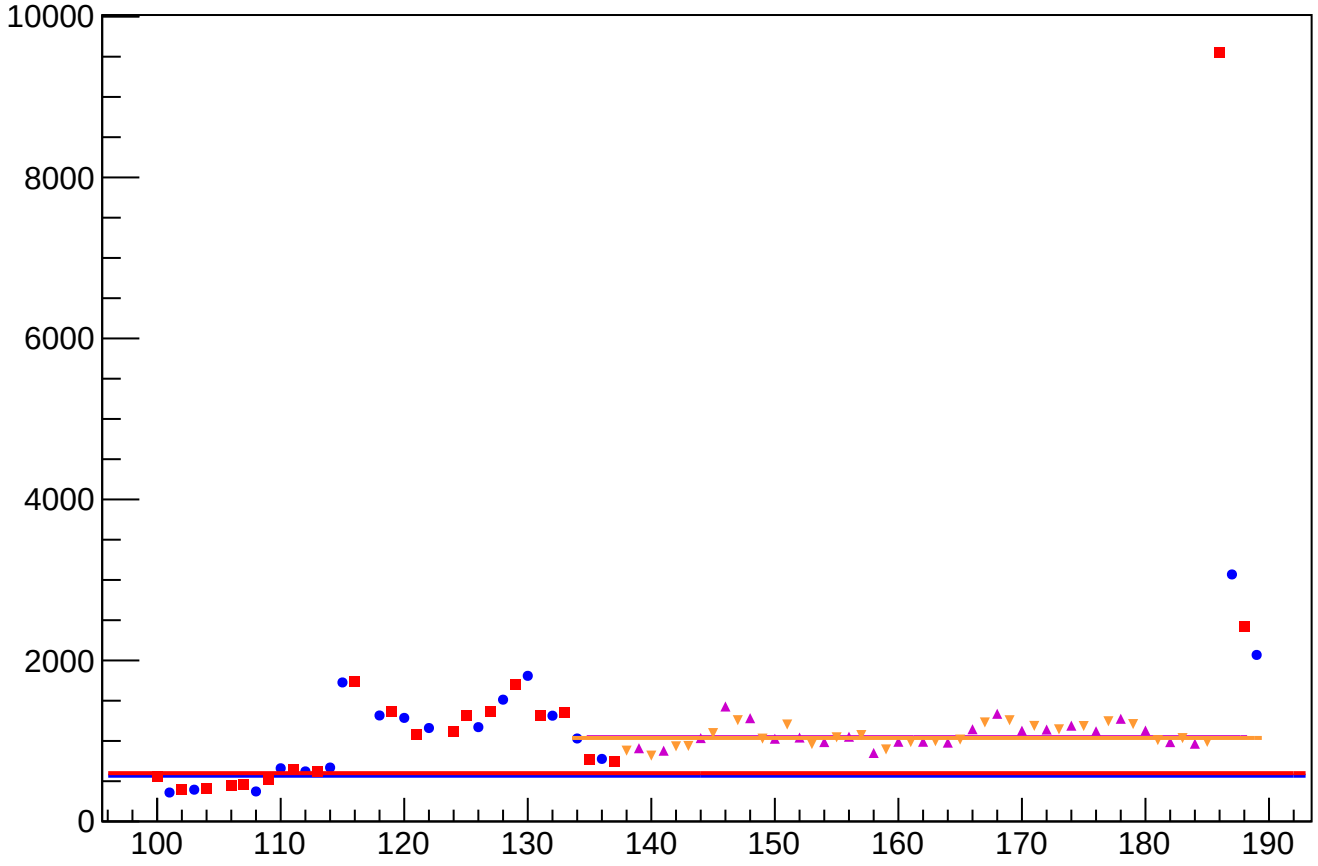
Left In: -255.399+/-247.203 χ^2/NDF:33.6/22

+ sign -206.347+/-167.789 χ^2/NDF: 53.7/42

All: -134.431+/-119.806 χ^2/NDF: 112.1/86

- sign -59.631+/-171.121 χ^2/NDF: 58.0/43

asym_sam6_rms vs Slug



Right In: 568.013+/-0.167 χ^2/NDF: 4264959.0/17

Left Out: 1037.324+/-0.168 χ^2/NDF:585511.9/24

Right Out: 600.090+/-0.168 χ^2/NDF: 4782401.9/20

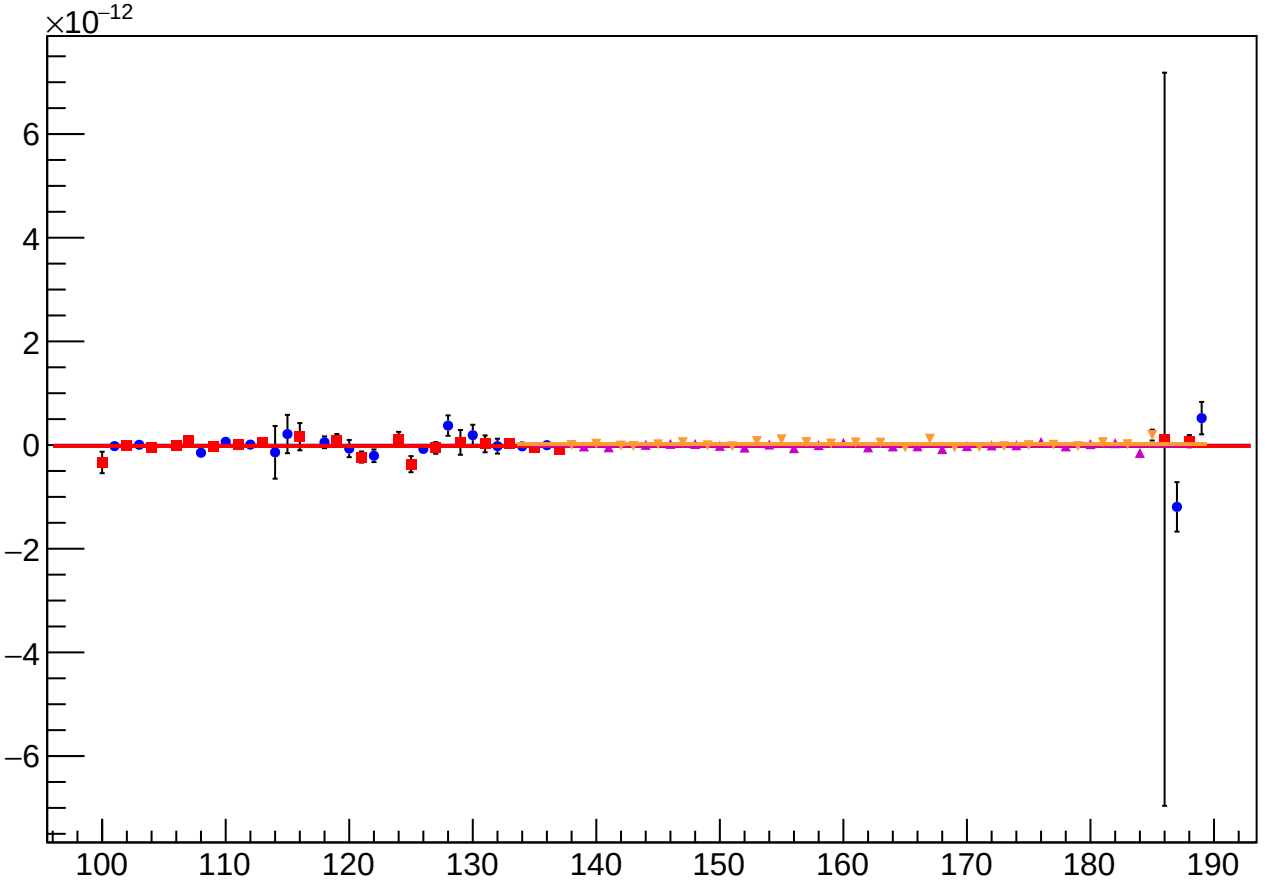
Left In: 1047.629+/-0.175 χ^2/NDF:613357.0/22

+ sign 801.324+/-0.119 χ^2/NDF: 8762044.4/42

All: 807.804+/-0.085 χ^2/NDF: 17577942.7/86

- sign 814.544+/-0.121 χ^2/NDF: 8809813.4/43

asym_sam6_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 24.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:30.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.5/20

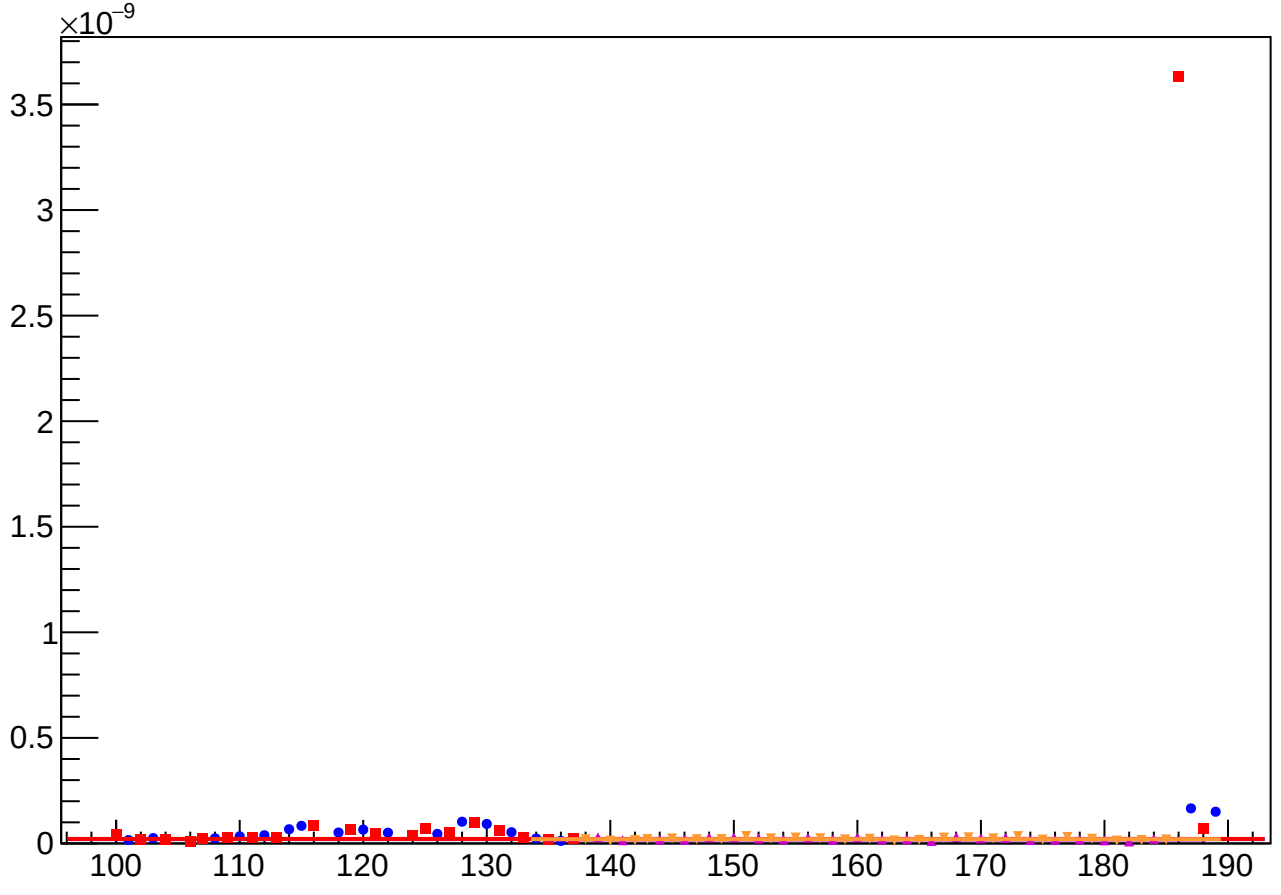
Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 59.7/42

All: 0.000+/-0.000 χ^2/NDF: 103.8/86

- sign -0.000+/-0.000 χ^2/NDF: 39.6/43

asym_sam6_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2535727.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:993542.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2715267.5/20

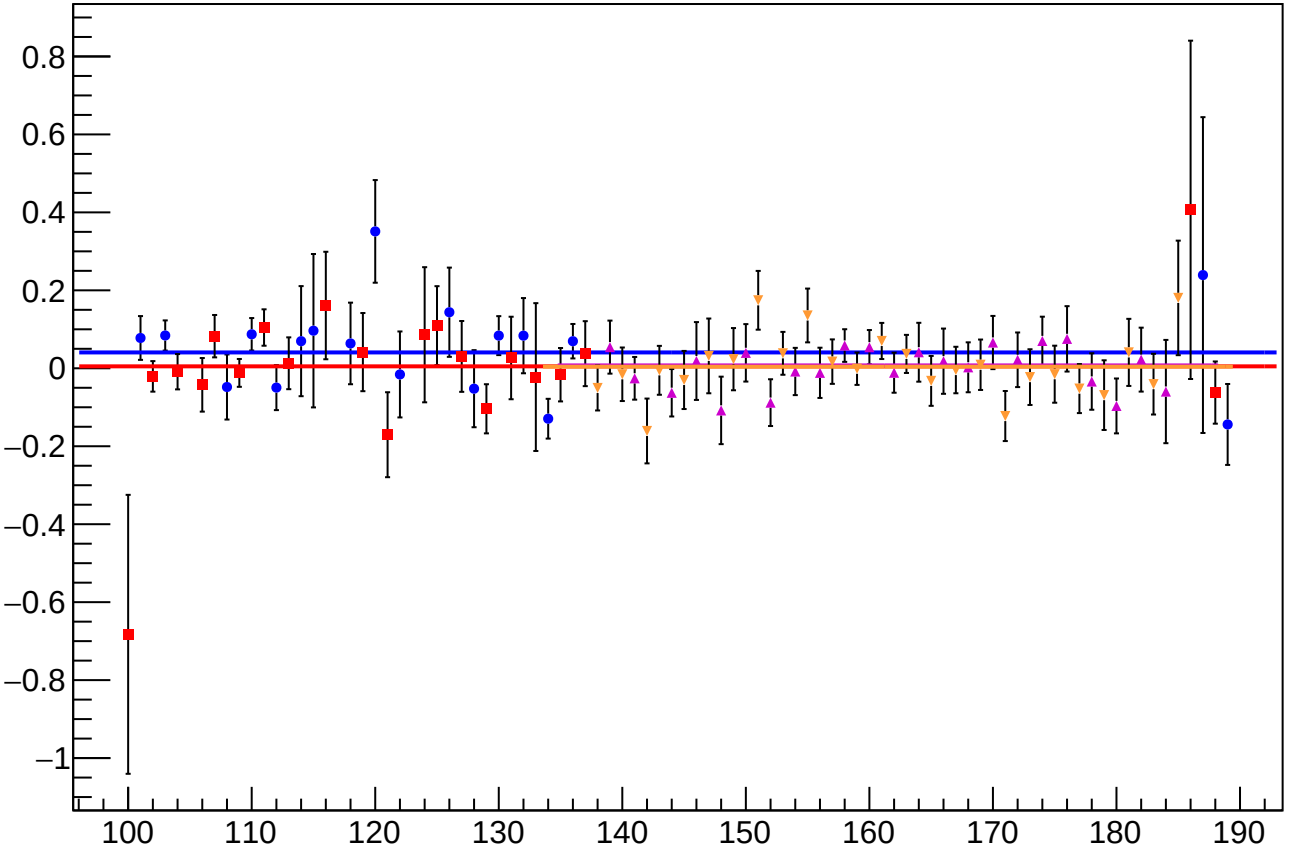
Left In: 0.000+/-0.000 χ^2/NDF:1048721.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 3530734.2/42

All: 0.000+/-0.000 χ^2/NDF: 7342315.4/86

- sign 0.000+/-0.000 χ^2/NDF: 3805270.0/43

asym_sam6_dit_vs_cor_diff_mean vs Slug



Right In: 0.041+/-0.016 χ^2/NDF: 30.1/17

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.005+/-0.015 χ^2/NDF: 21.7/20

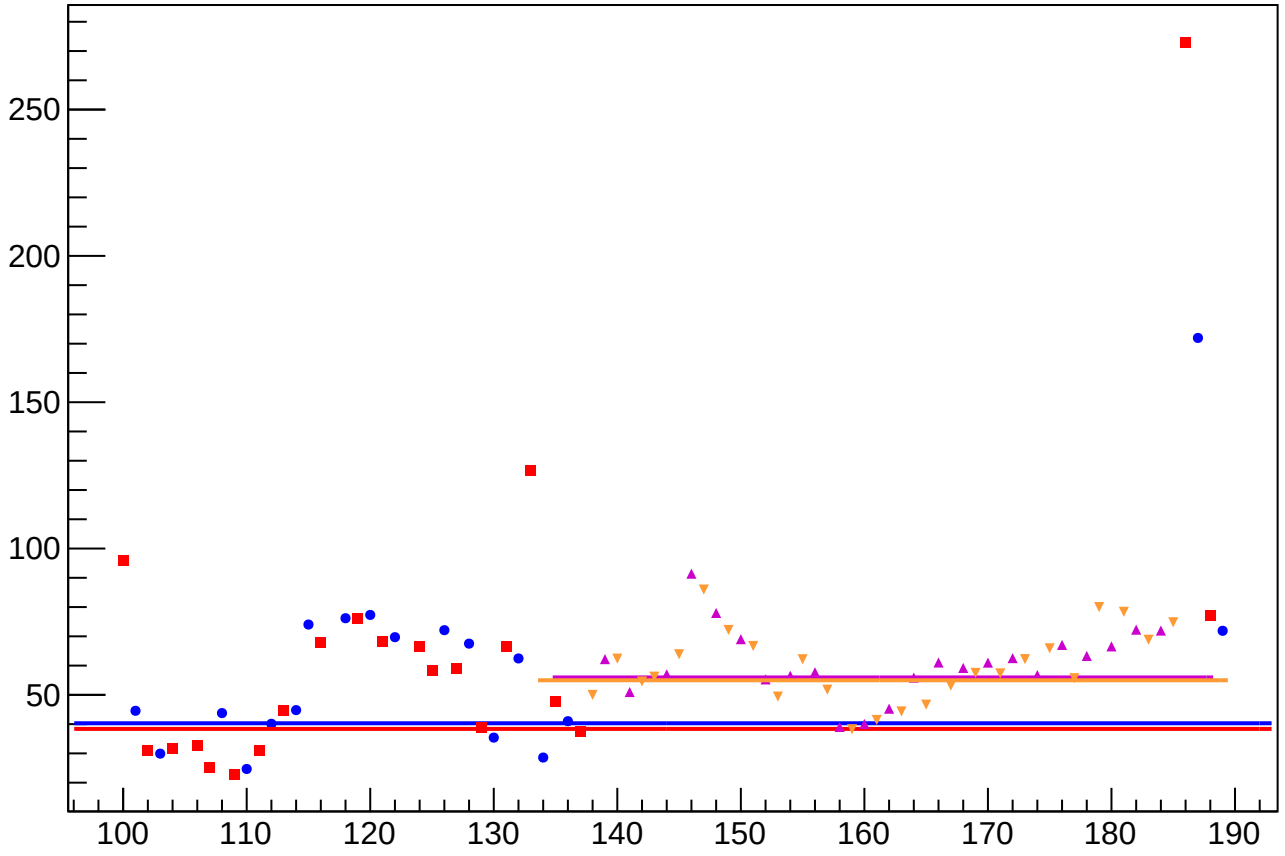
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.019+/-0.010 χ^2/NDF: 58.1/42

All: 0.013+/-0.007 χ^2/NDF: 95.7/86

- sign 0.006+/-0.010 χ^2/NDF: 36.8/43

asym_sam6_dit_vs_cor_diff_rms vs Slug



Right In: 40.293+/-0.011 χ^2/NDF: 1970180.0/17

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

Right Out: 38.368+/-0.010 χ^2/NDF: 3173185.0/20

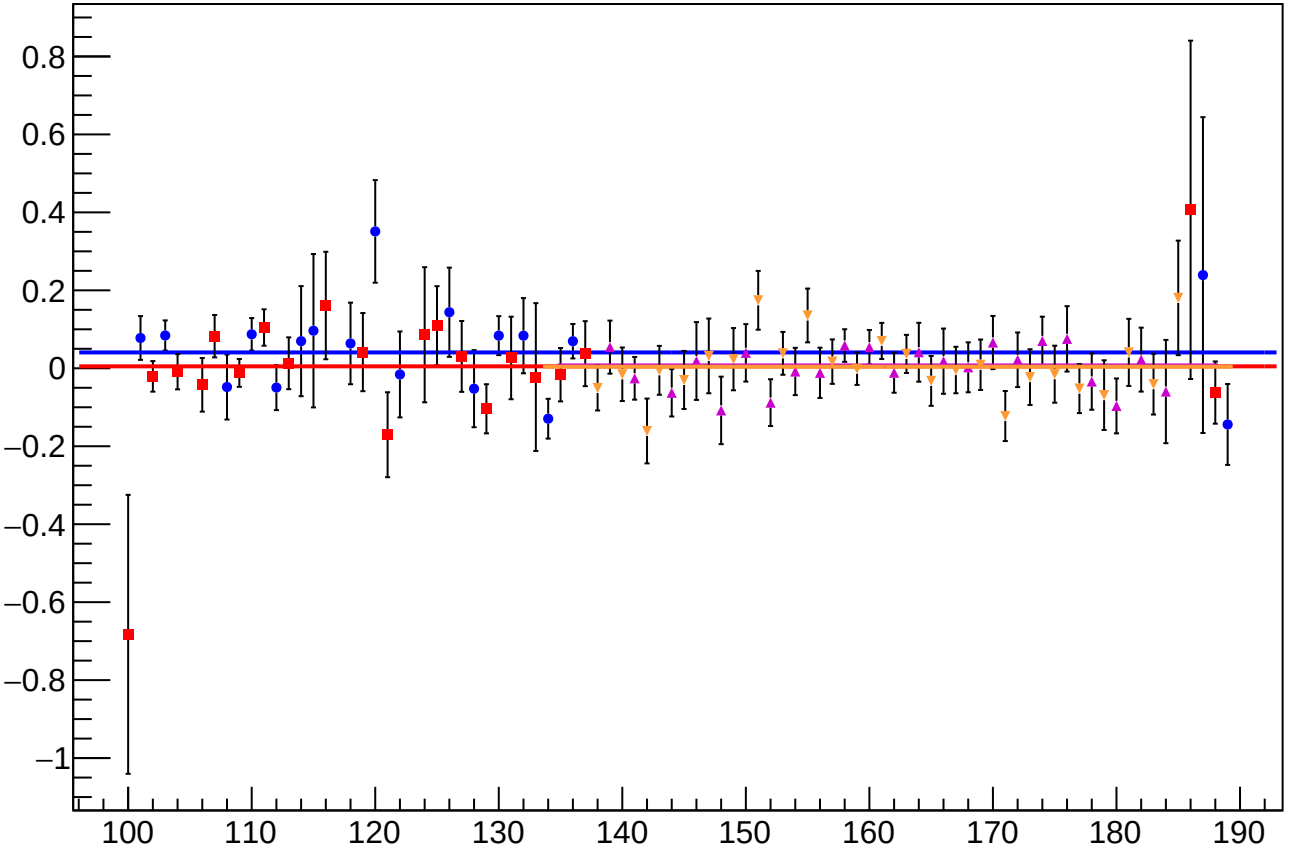
Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

+ sign 49.090+/-0.007 χ^2/NDF: 4569620.3/42

All: 48.533+/-0.005 χ^2/NDF: 10696709.9/86

- sign 47.979+/-0.007 χ^2/NDF: 6114779.4/43

asym_sam6_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.041+/-0.016 χ^2/NDF: 30.1/17

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.005+/-0.015 χ^2/NDF: 21.7/20

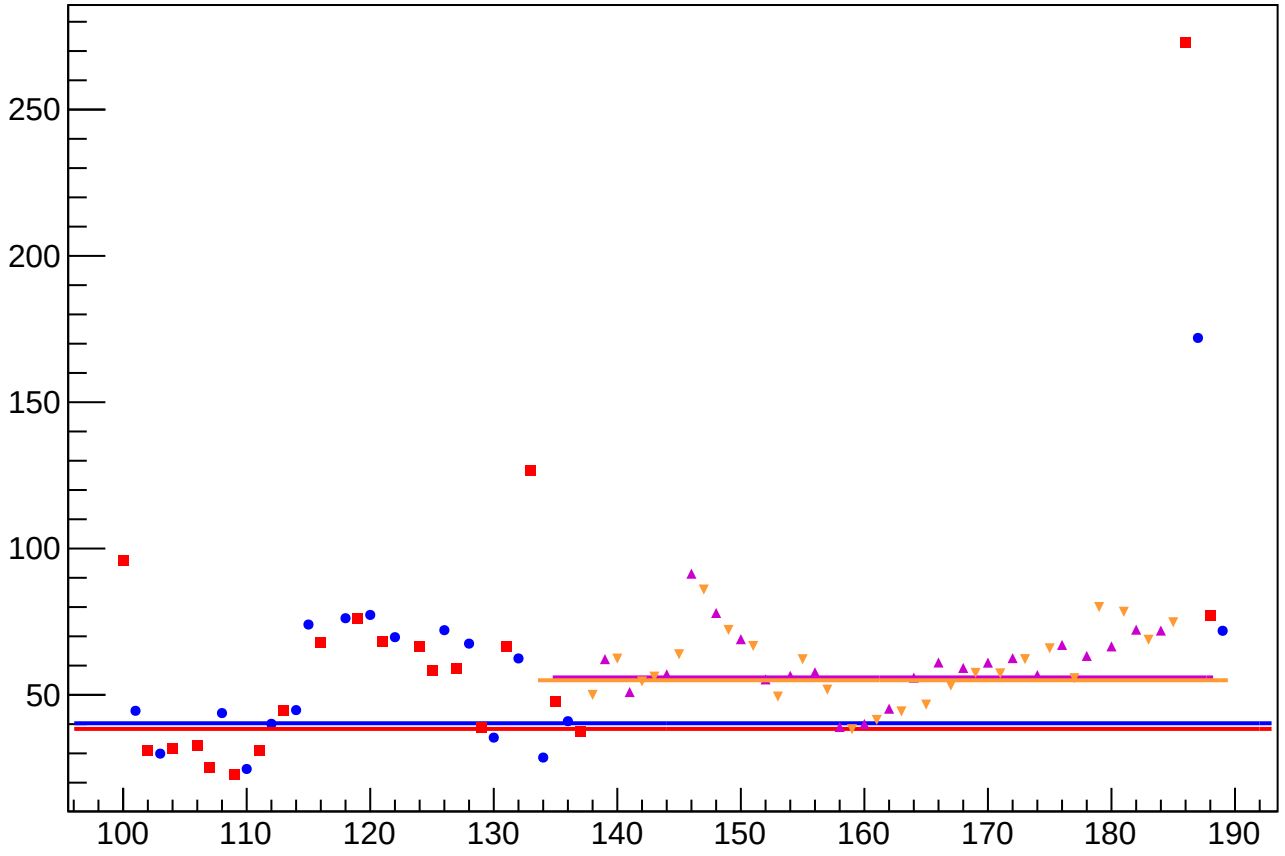
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.019+/-0.010 χ^2/NDF: 58.1/42

All: 0.013+/-0.007 χ^2/NDF: 95.7/86

- sign 0.006+/-0.010 χ^2/NDF: 36.8/43

asym_sam6_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 40.293+/-0.011 χ^2/NDF: 1970180.0/17

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

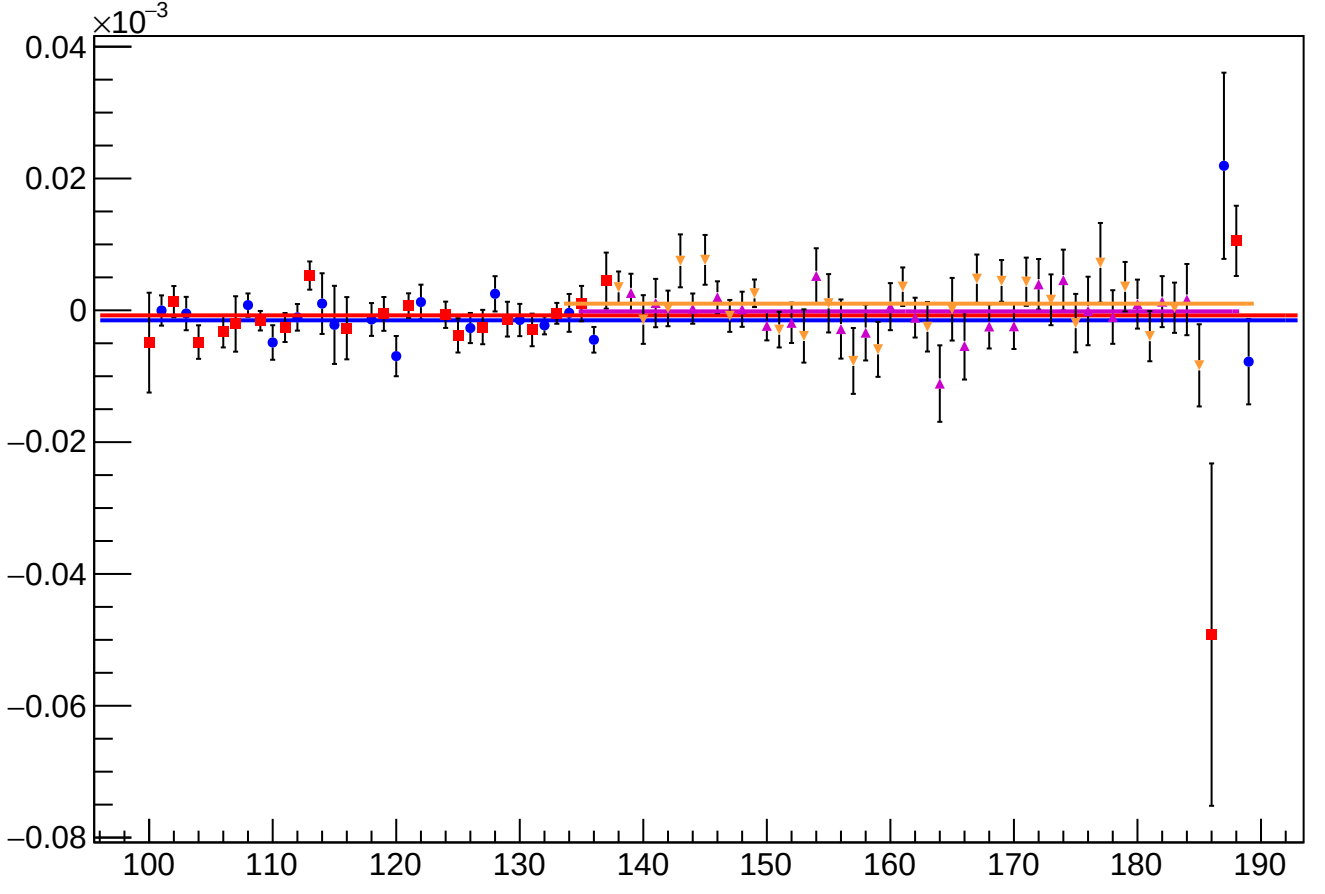
Right Out: 38.368+/-0.010 χ^2/NDF: 3173185.0/20

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

+ sign 49.090+/-0.007 χ^2/NDF: 4569620.3/42

All: 48.533+/-0.005 χ^2/NDF: 10696709.9/86

- sign 47.979+/-0.007 χ^2/NDF: 6114779.4/43



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/20

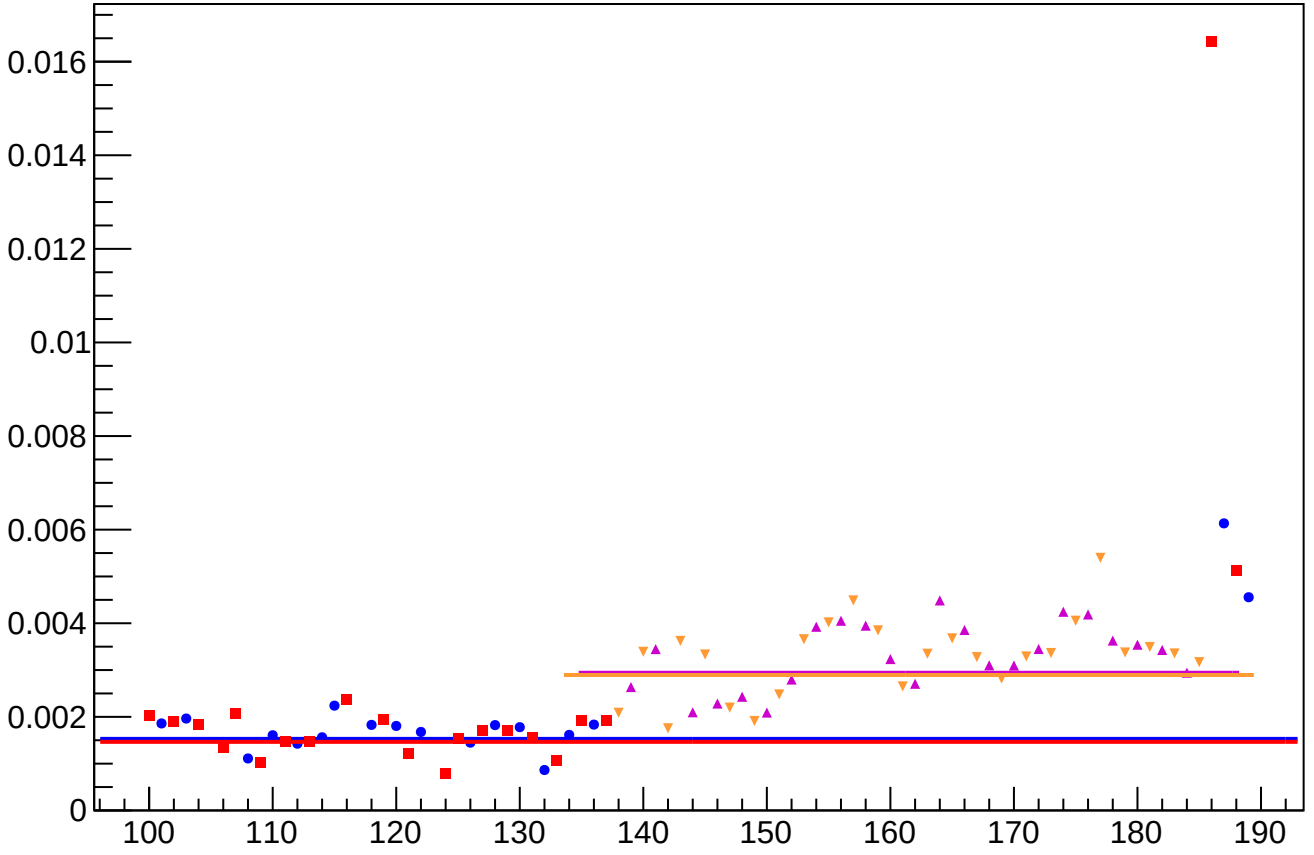
Left In: -0.000+/-0.000 χ^2/NDF:14.0/22

\+ sign -0.000+/-0.000 χ^2/NDF: 54.0/42

All: -0.000+/-0.000 χ^2/NDF: 95.7/86

\- sign -0.000+/-0.000 χ^2/NDF: 41.6/43

asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 1522427.5/17

Left Out: 0.003+/-0.000 χ^2/NDF:2642911.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 2623083.4/20

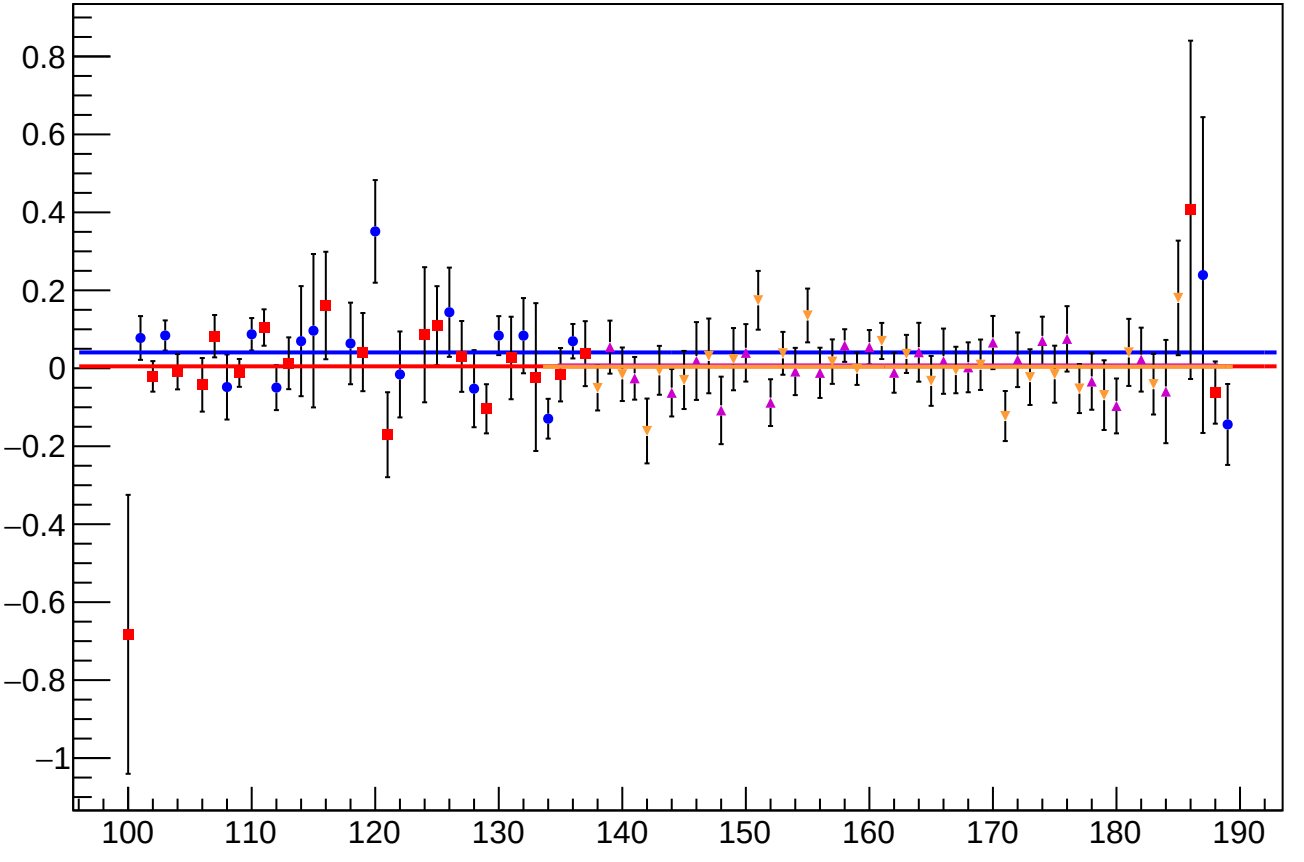
Left In: 0.003+/-0.000 χ^2/NDF:1890470.3/22

+ sign 0.002+/-0.000 χ^2/NDF: 8795705.6/42

All: 0.002+/-0.000 χ^2/NDF: 18823302.2/86

- sign 0.002+/-0.000 χ^2/NDF: 9986445.2/43

asym_sam6_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.041+/-0.016 χ^2/NDF: 30.1/17

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.005+/-0.015 χ^2/NDF: 21.7/20

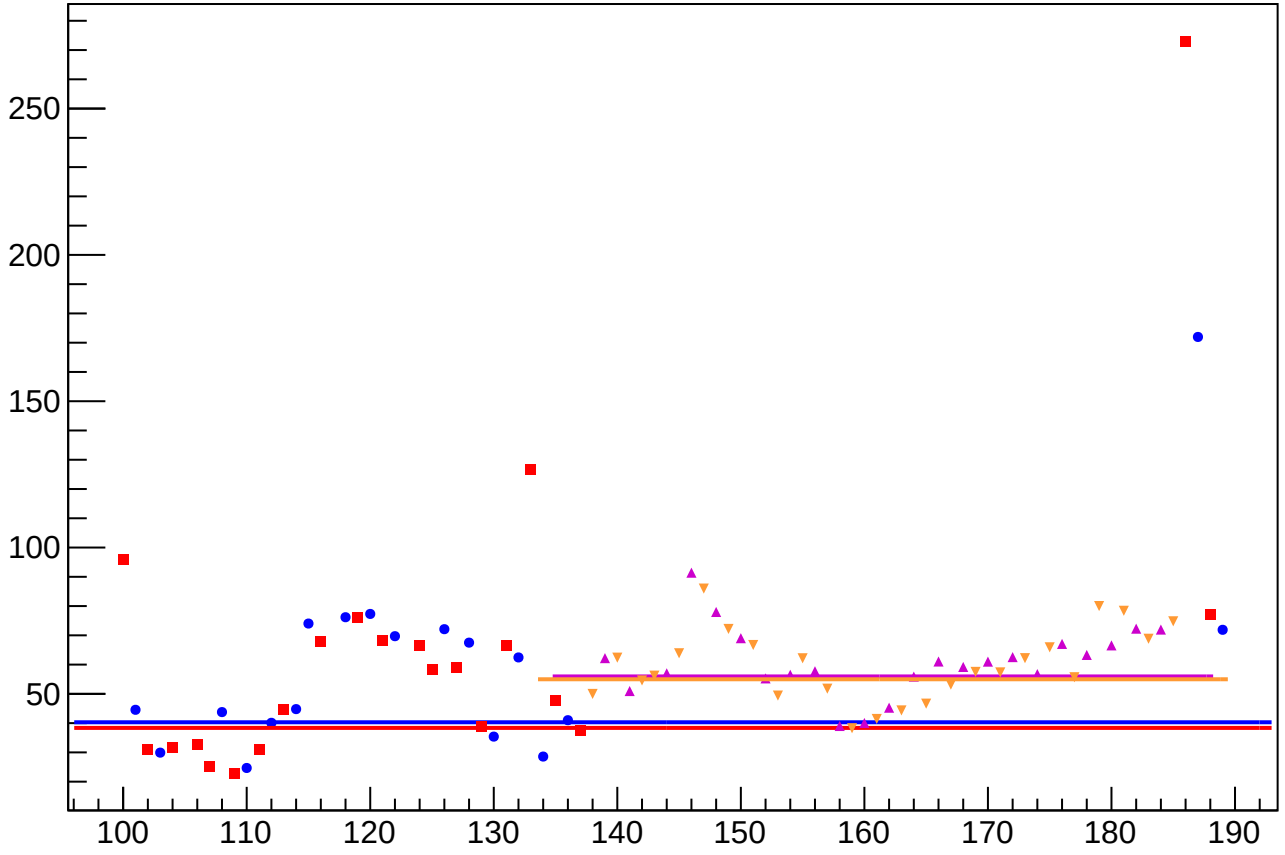
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.019+/-0.010 χ^2/NDF: 58.1/42

All: 0.013+/-0.007 χ^2/NDF: 95.7/86

- sign 0.006+/-0.010 χ^2/NDF: 36.8/43

asym_sam6_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 40.292+/-0.011 χ^2/NDF: 1970204.4/17

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

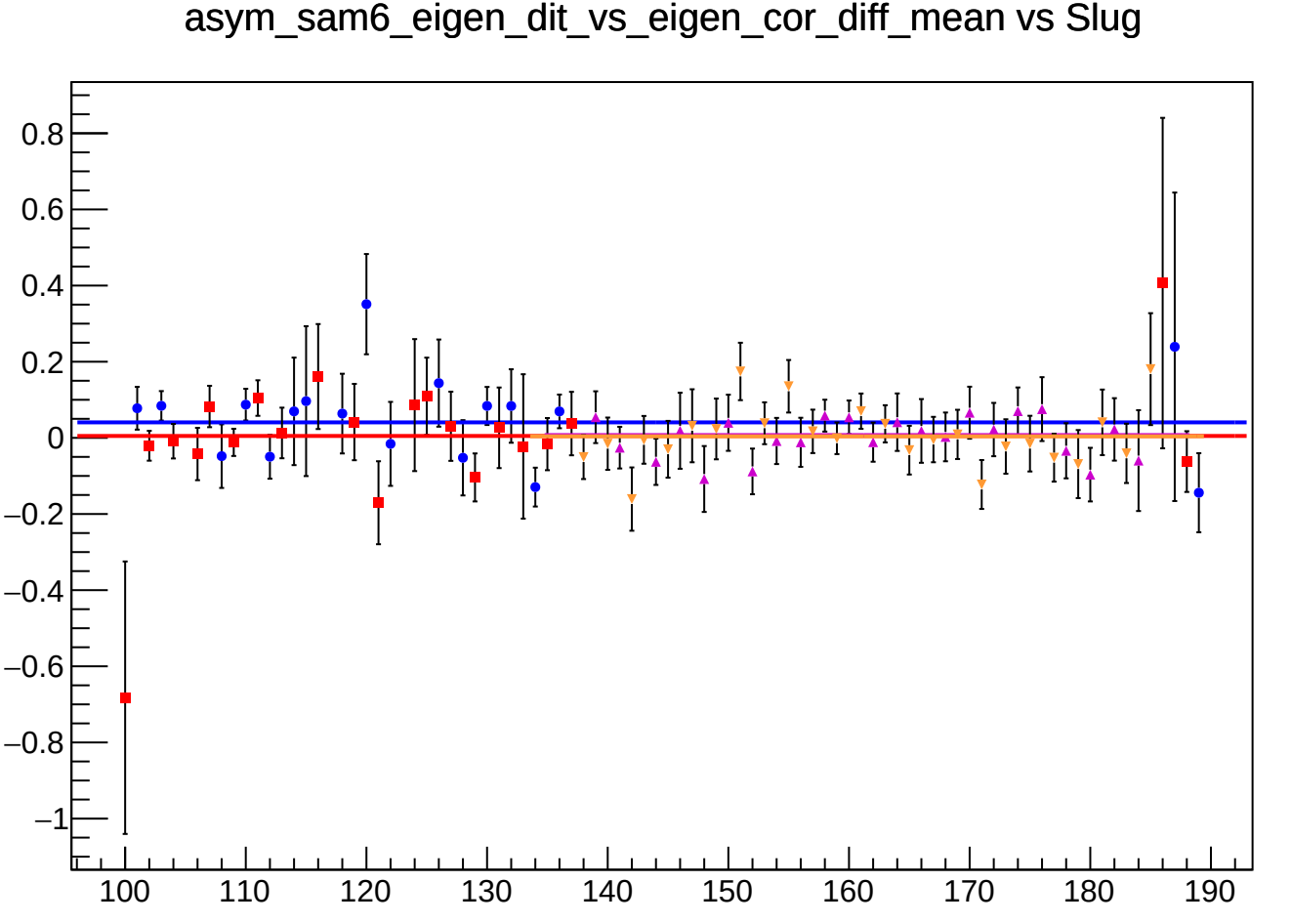
Right Out: 38.368+/-0.010 χ^2/NDF: 3173144.2/20

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

+ sign 49.089+/-0.007 χ^2/NDF: 4569729.5/42

All: 48.532+/-0.005 χ^2/NDF: 10696827.7/86

- sign 47.978+/-0.007 χ^2/NDF: 6114789.9/43



Right In: 0.041+/-0.016 χ^2/NDF: 30.1/17

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

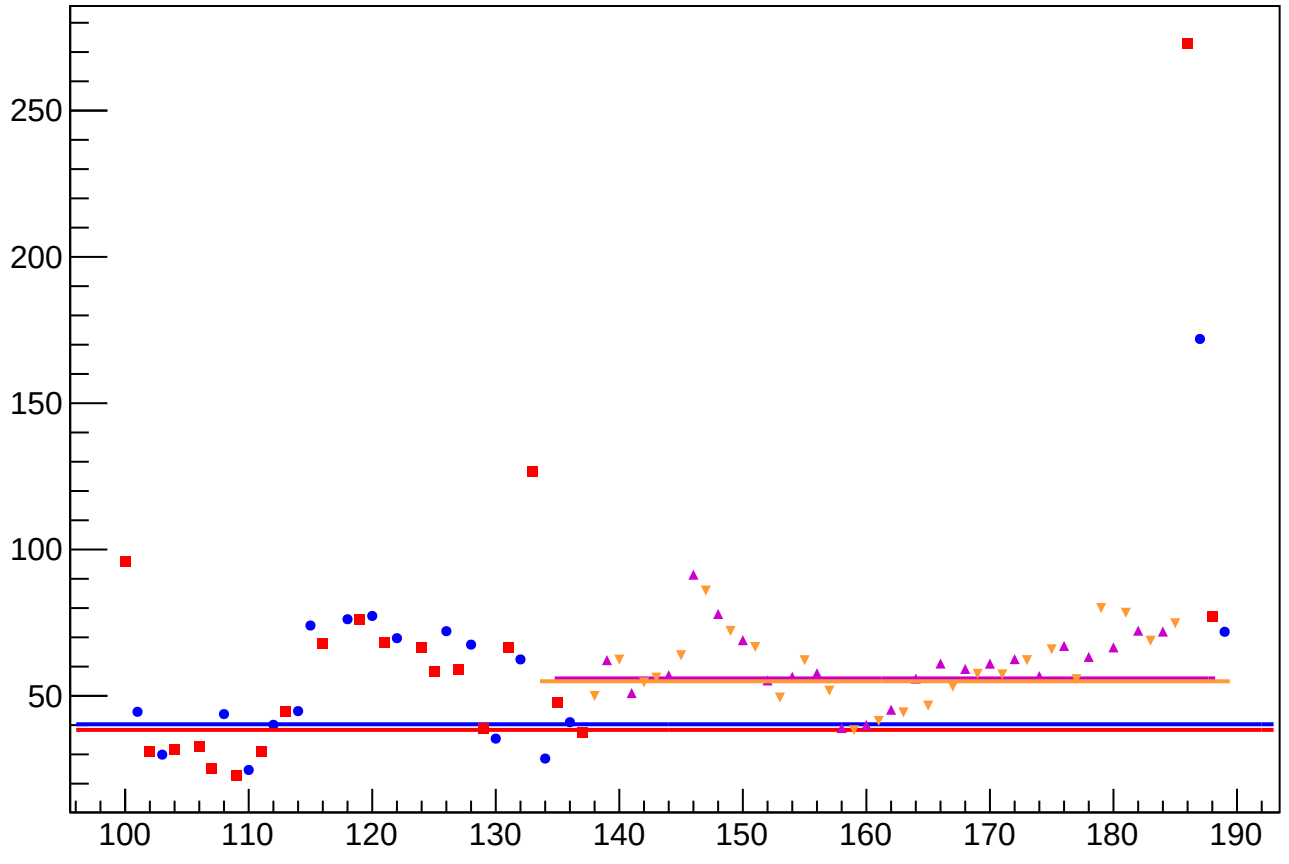
Right Out: 0.005+/-0.015 χ^2/NDF: 21.7/20

Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.019+/-0.010 χ^2/NDF: 58.1/42

All: 0.013+/-0.007 χ^2/NDF: 95.7/86

- sign 0.006+/-0.010 χ^2/NDF: 36.8/43



Right In: 40.292+/-0.011 χ^2/NDF: 1970204.4/17

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

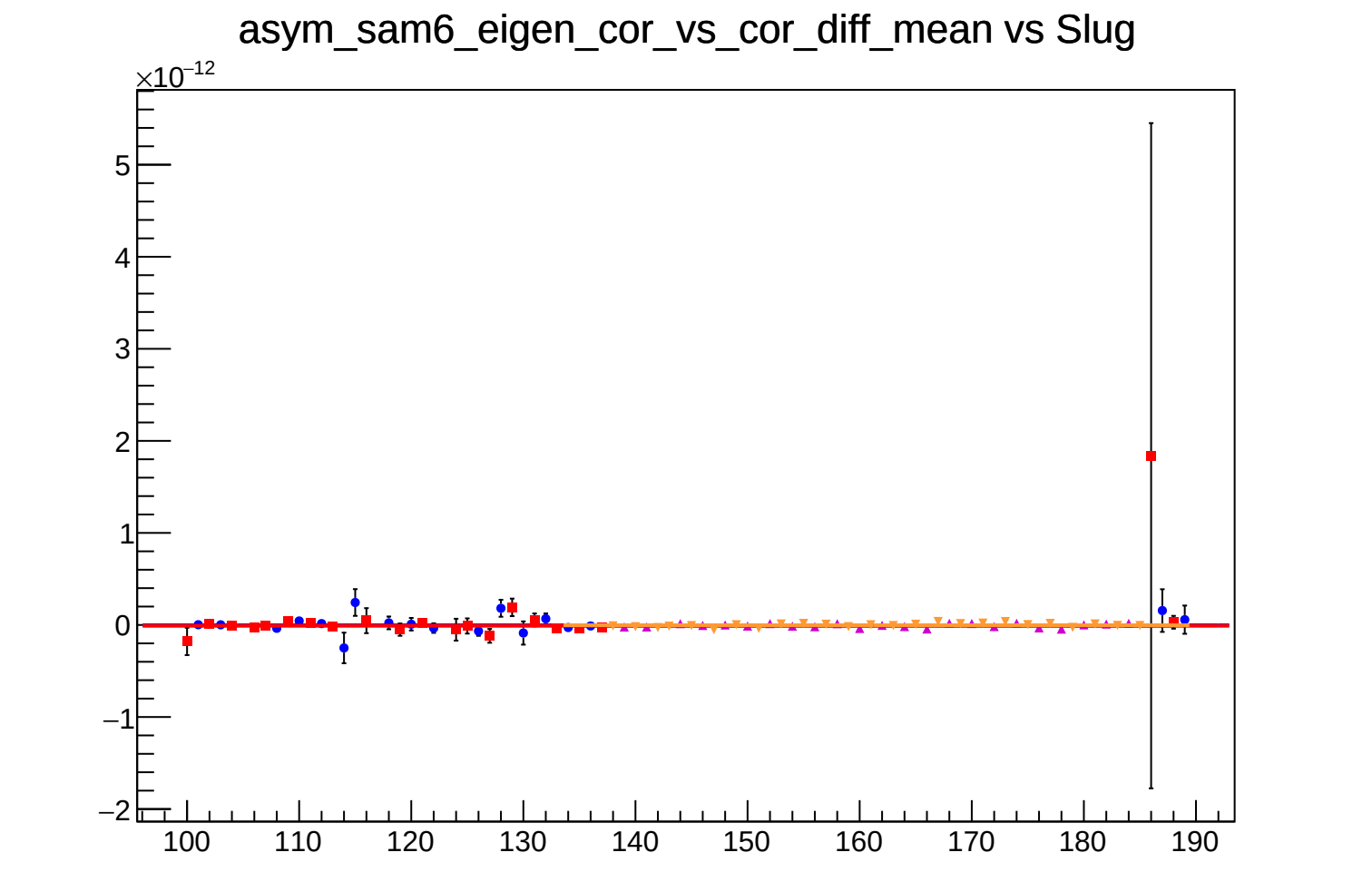
Right Out: 38.368+/-0.010 χ^2/NDF: 3173144.2/20

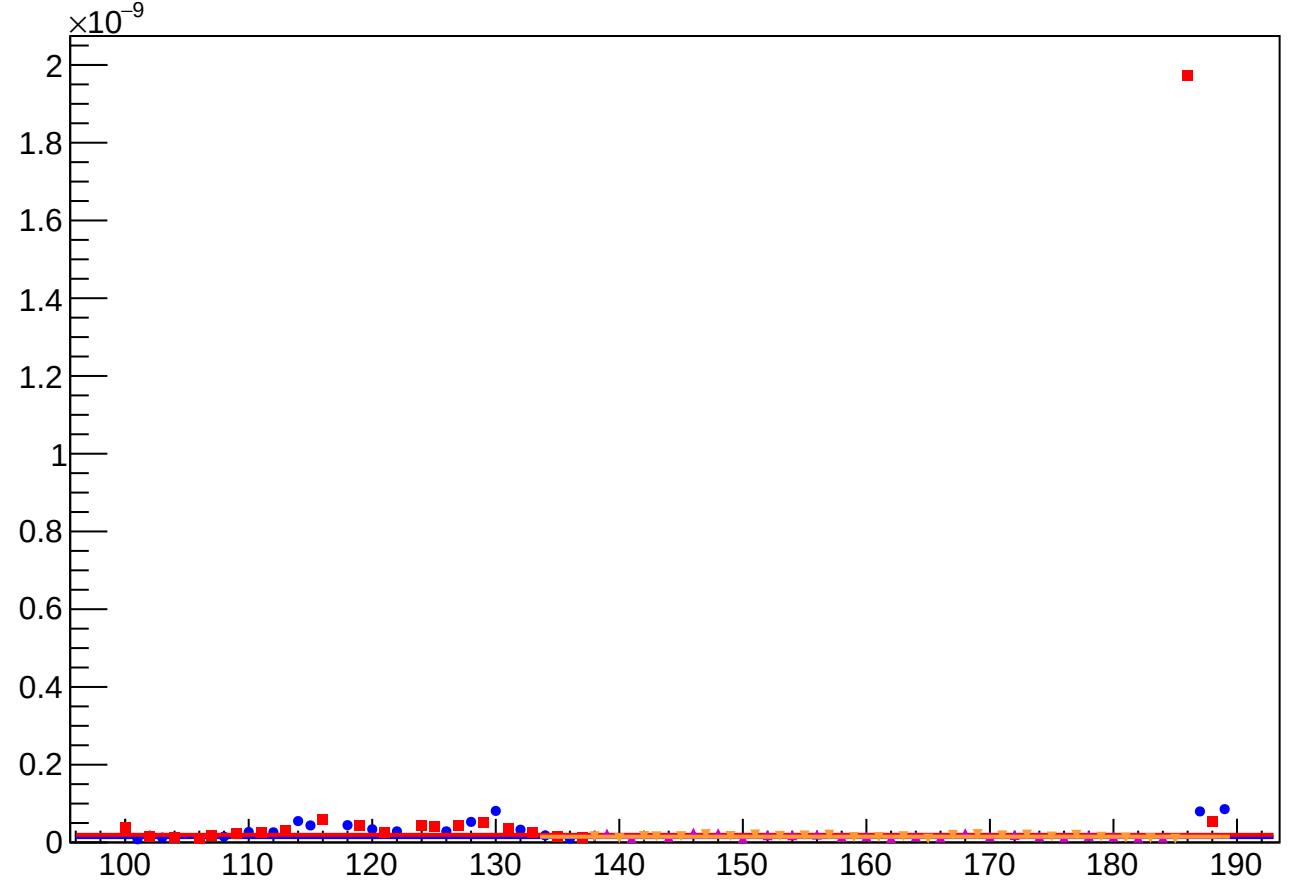
Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

+ sign 49.089+/-0.007 χ^2/NDF: 4569729.5/42

All: 48.532+/-0.005 χ^2/NDF: 10696827.7/86

- sign 47.978+/-0.007 χ^2/NDF: 6114789.9/43


asym_sam6_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
5
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 17.2/17
Left Out: -0.000+/-0.000 χ²/NDF:19.3/24
Right Out: -0.000+/-0.000 χ²/NDF: 16.3/20
Left In: -0.000+/-0.000 χ²/NDF:21.9/22
+ sign -0.000+/-0.000 χ²/NDF: 36.5/42
All: -0.000+/-0.000 χ²/NDF: 75.5/86
- sign -0.000+/-0.000 χ²/NDF: 38.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 3790375.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:1401850.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3137546.4/20

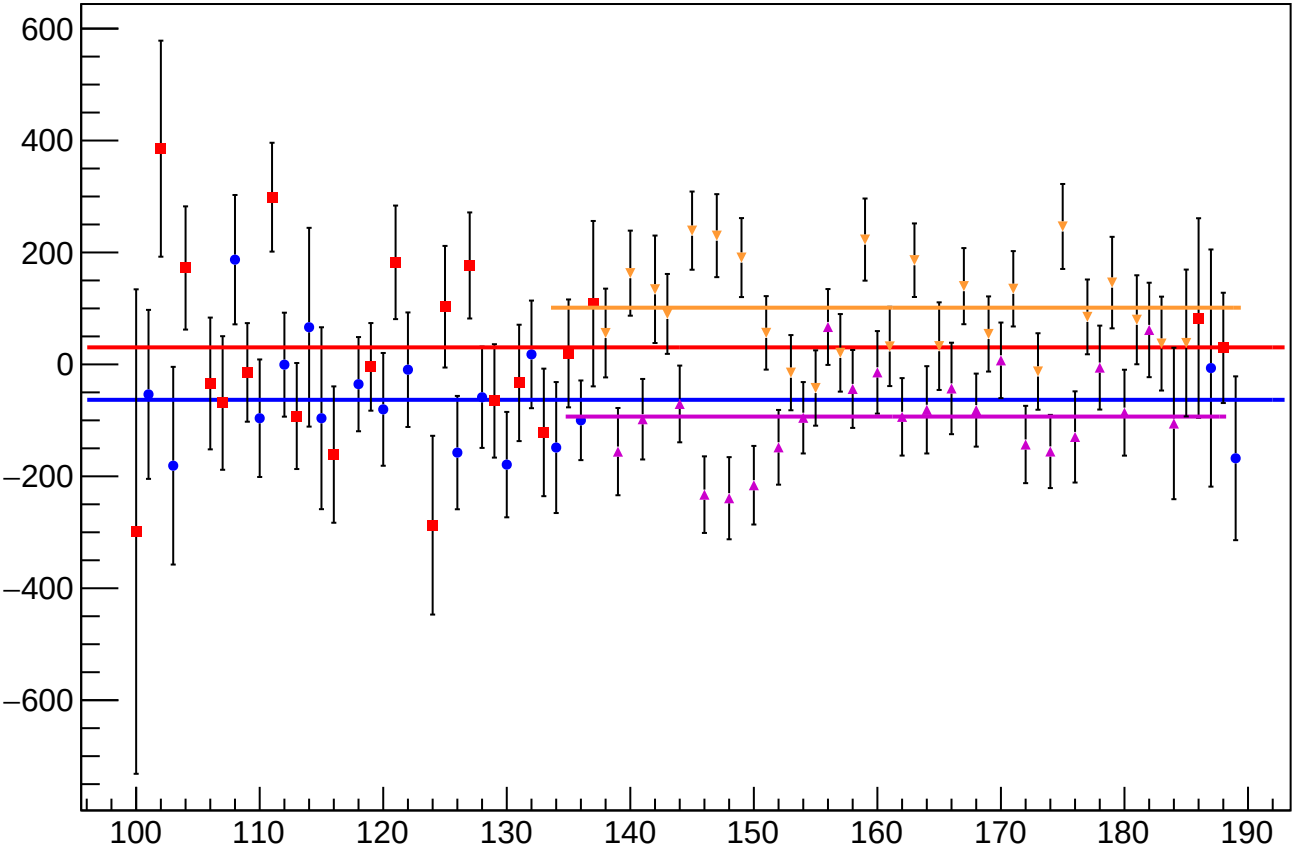
Left In: 0.000+/-0.000 χ^2/NDF:1427121.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 5220212.9/42

All: 0.000+/-0.000 χ^2/NDF: 10339573.0/86

- sign 0.000+/-0.000 χ^2/NDF: 5007650.2/43

reg_asym_sam7_mean vs Slug



Right In: -63.297+/-25.464 χ^2/NDF: 11.2/17

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 30.431+/-24.105 χ^2/NDF: 31.3/20

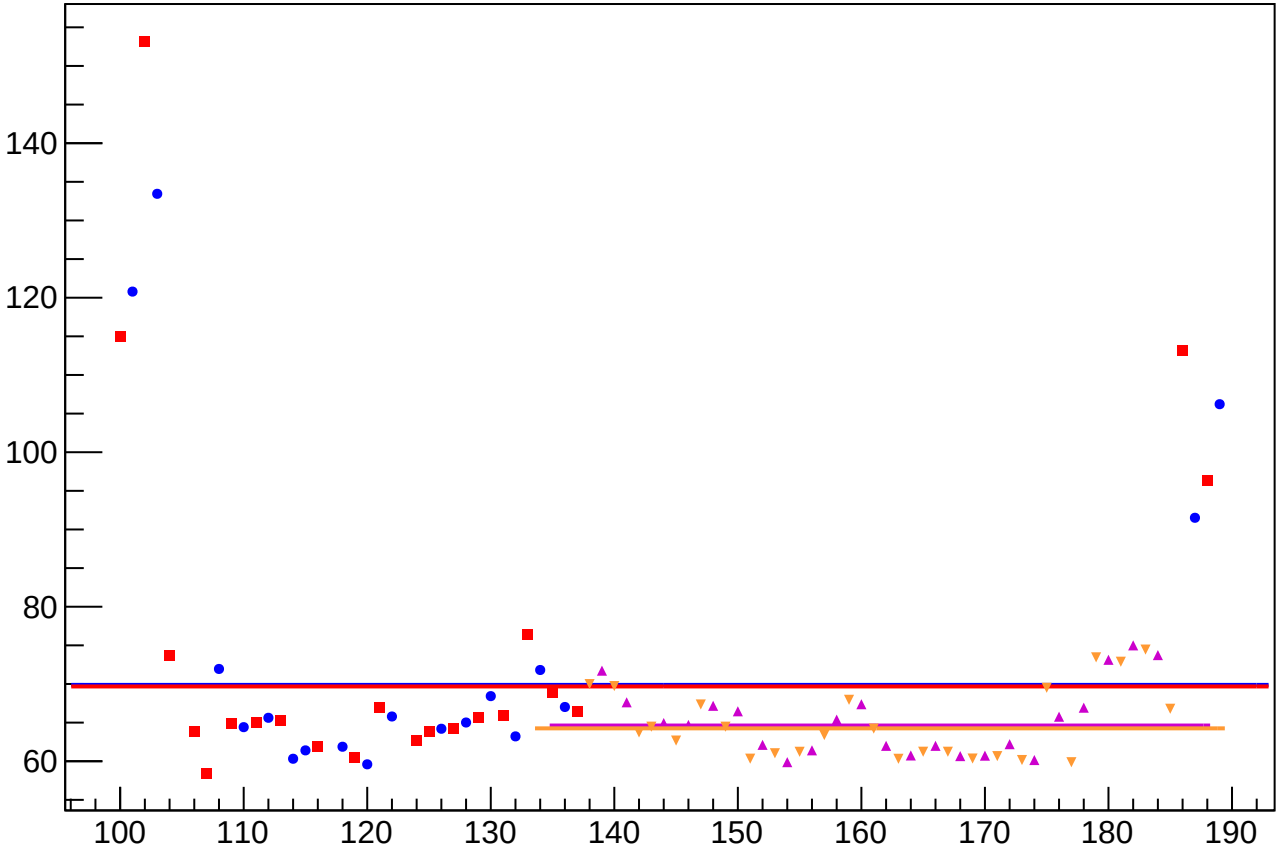
Left In: -93.236+/-15.137 χ^2/NDF:28.8/22

+ sign 60.422+/-12.693 χ^2/NDF: 76.4/42

All: 1.665+/-9.019 χ^2/NDF: 198.7/86

- sign -58.262+/-12.819 χ^2/NDF: 79.0/43

reg_asym_sam7_rms vs Slug



Right In: 69.882+/-0.018 χ^2/NDF: 720117.9/17

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

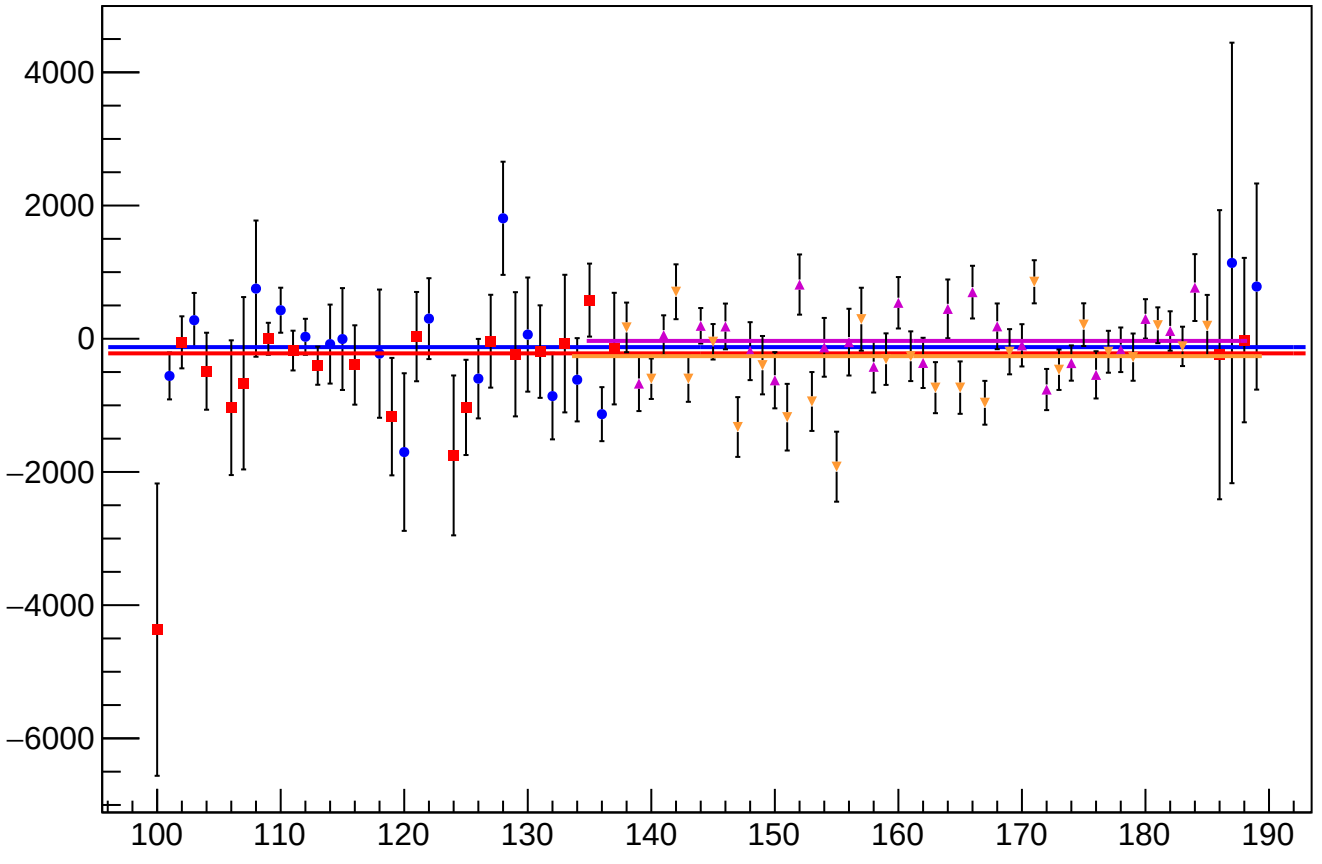
Right Out: 69.679+/-0.017 χ^2/NDF: 768604.5/20

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 65.654+/-0.009 χ^2/NDF: 971190.6/42

All: 65.851+/-0.006 χ^2/NDF: 1951132.4/86

- sign 66.052+/-0.009 χ^2/NDF: 978967.5/43



Right In: -125.739+/-125.399 χ^2/NDF: 23.0/17

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -219.568+/-117.079 χ^2/NDF: 12.6/20

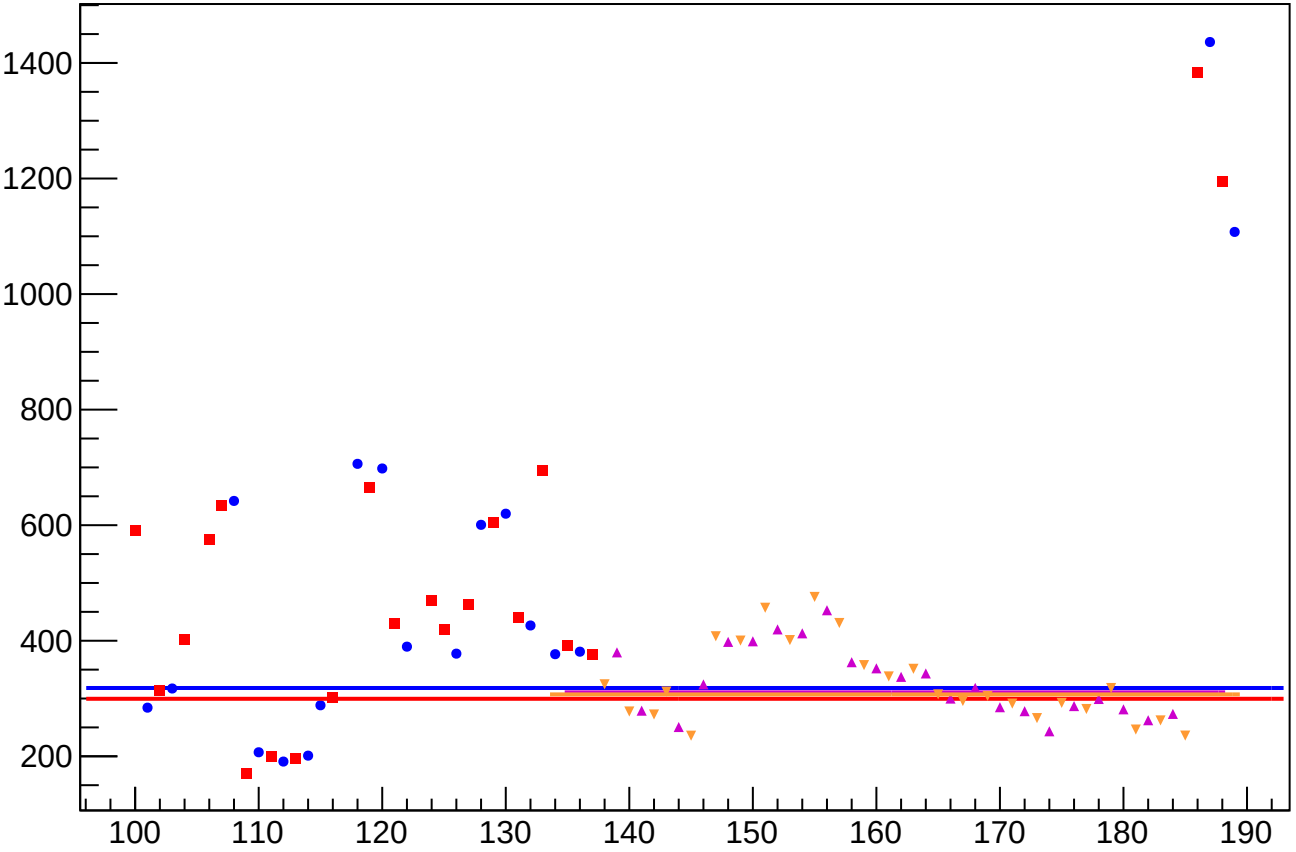
Left In: -32.423+/-73.837 χ^2/NDF:31.7/22

+ sign -228.070+/-61.961 χ^2/NDF: 82.7/42

All: -157.438+/-43.986 χ^2/NDF: 131.4/86

- sign -85.676+/-62.454 χ^2/NDF: 46.1/43

asym_sam7_reg_correction_rms vs Slug



Right In: 318.231+/-0.089 χ^2/NDF: 2878635.2/17

Left Out: 307.143+/-0.050 χ^2/NDF:1320151.2/24

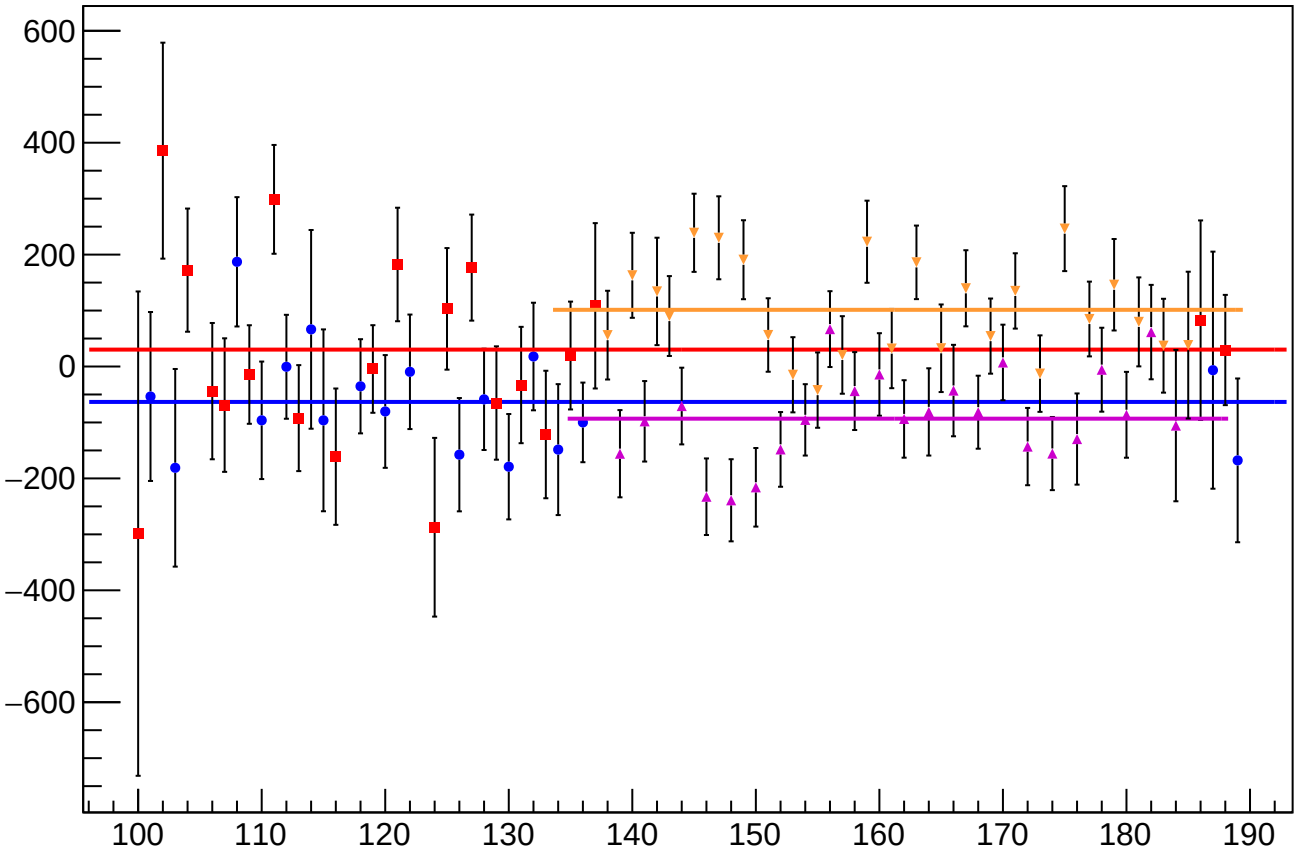
Right Out: 299.543+/-0.083 χ^2/NDF: 4283546.3/20

Left In: 310.697+/-0.052 χ^2/NDF:1079476.2/22

+ sign 309.850+/-0.044 χ^2/NDF: 4210606.1/42

All: 308.696+/-0.031 χ^2/NDF: 9588016.3/86

- sign 307.523+/-0.044 χ^2/NDF: 5376011.0/43



Right In: -63.300+/-25.464 χ^2/NDF: 11.2/17

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 30.218+/-24.138 χ^2/NDF: 31.4/20

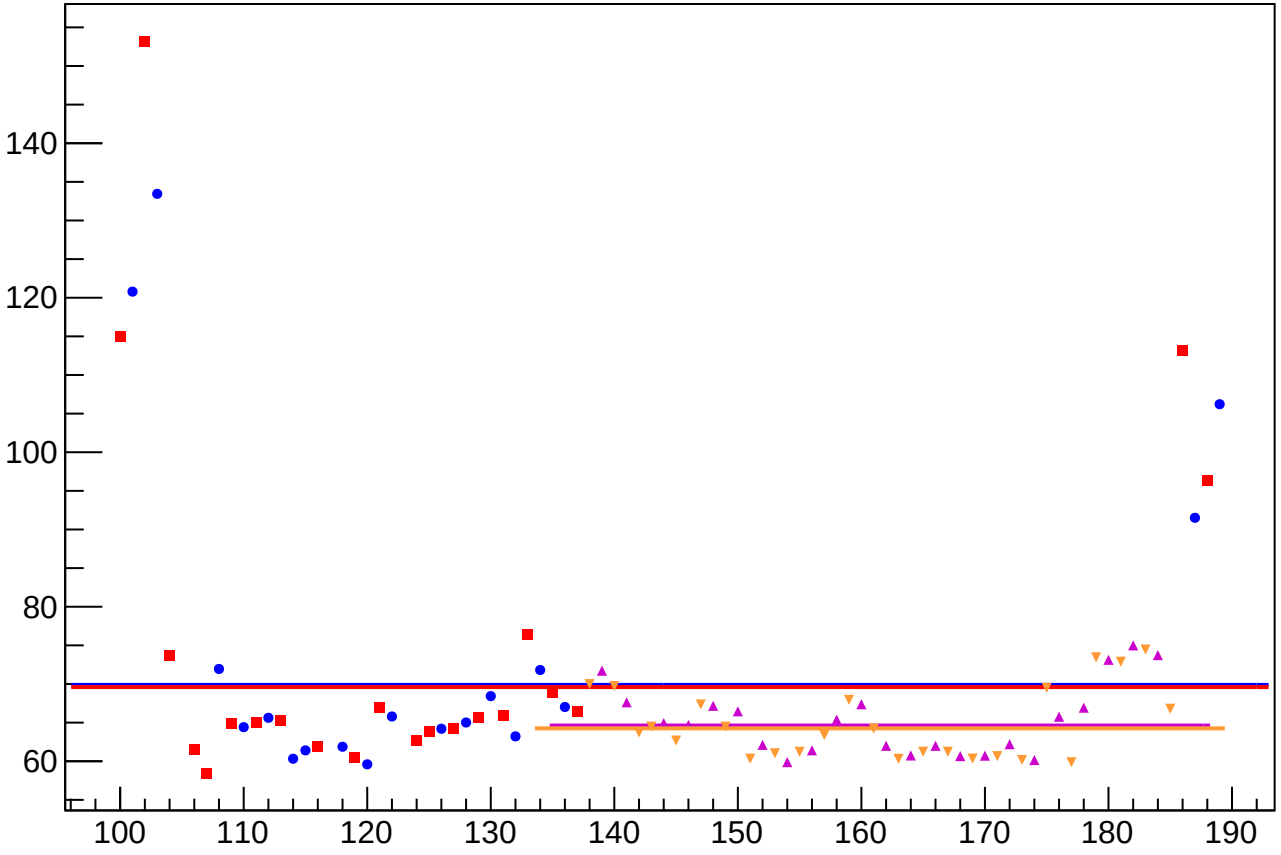
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

+ sign 60.421+/-12.693 χ^2/NDF: 76.5/42

All: 1.624+/-9.021 χ^2/NDF: 198.8/86

- sign -58.391+/-12.824 χ^2/NDF: 79.0/43

cor_asym_sam7_rms vs Slug



Right In: 69.882+/-0.018 χ^2/NDF: 720118.3/17

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 69.603+/-0.017 χ^2/NDF: 772714.6/20

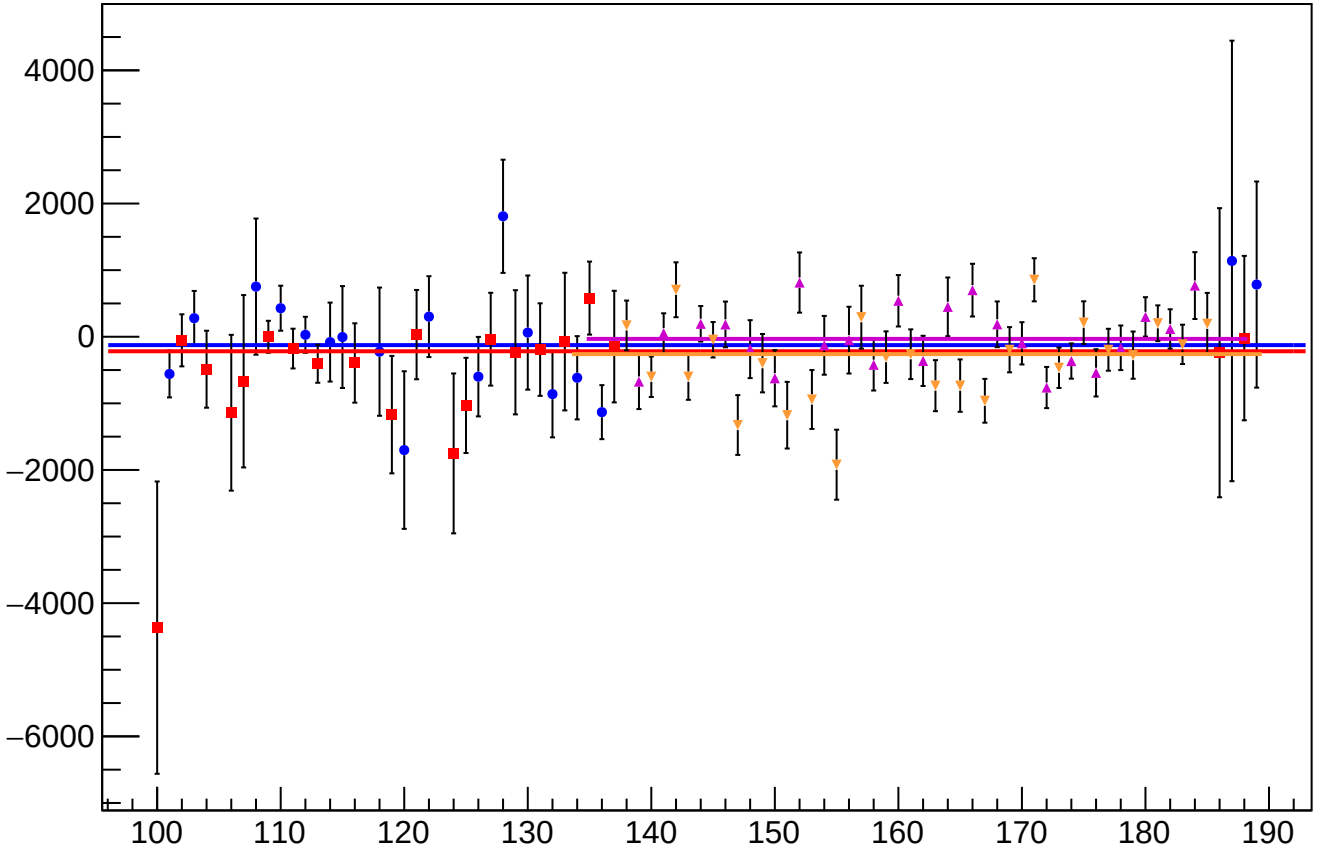
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 65.654+/-0.009 χ^2/NDF: 971191.0/42

All: 65.838+/-0.006 χ^2/NDF: 1953101.4/86

- sign 66.027+/-0.009 χ^2/NDF: 981052.8/43

asym_sam7_cor_correction_mean vs Slug



Right In: -125.735+/-125.399 χ^2/NDF: 23.0/17

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -217.874+/-117.283 χ^2/NDF: 12.5/20

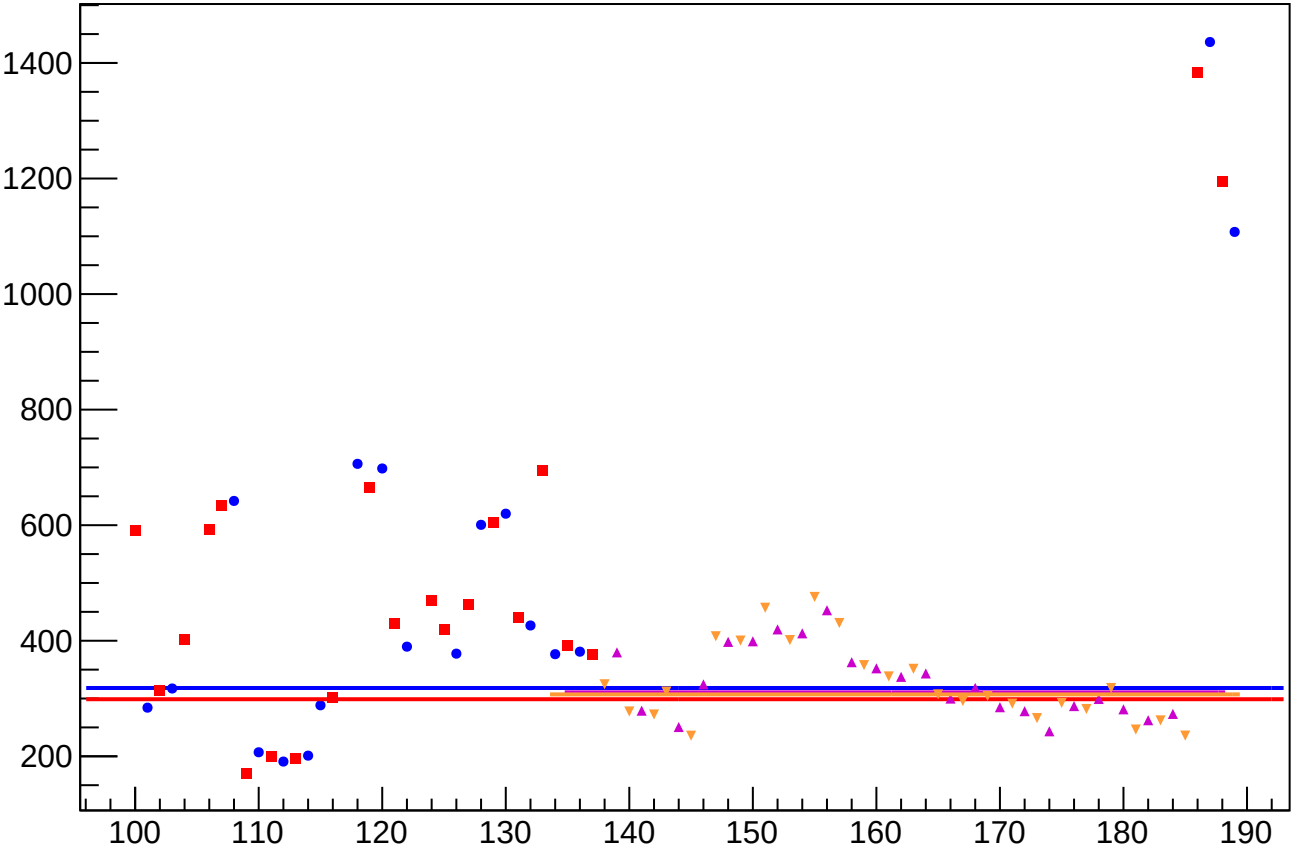
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

+ sign -228.070+/-61.961 χ^2/NDF: 82.7/42

All: -157.168+/-43.997 χ^2/NDF: 131.4/86

- sign -85.061+/-62.485 χ^2/NDF: 46.1/43

asym_sam7_cor_correction_rms vs Slug



Right In: 318.233+/-0.089 χ^2/NDF: 2878633.2/17

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

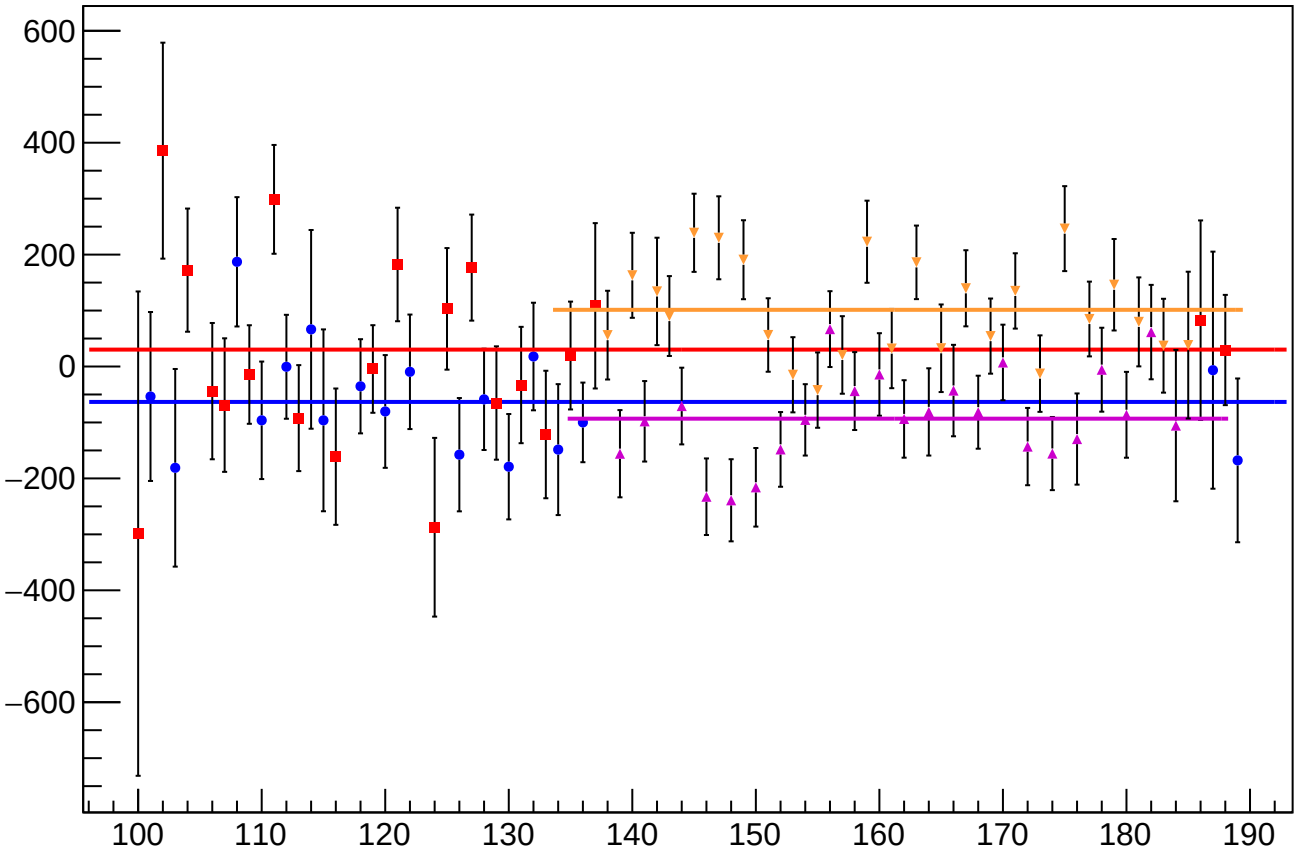
Right Out: 298.800+/-0.083 χ^2/NDF: 4260946.0/20

Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

+ sign 309.851+/-0.044 χ^2/NDF: 4210604.7/42

All: 308.596+/-0.031 χ^2/NDF: 9567423.8/86

- sign 307.320+/-0.044 χ^2/NDF: 5355165.6/43



Right In: -63.300+/-25.464 χ^2/NDF: 11.2/17

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 30.218+/-24.138 χ^2/NDF: 31.4/20

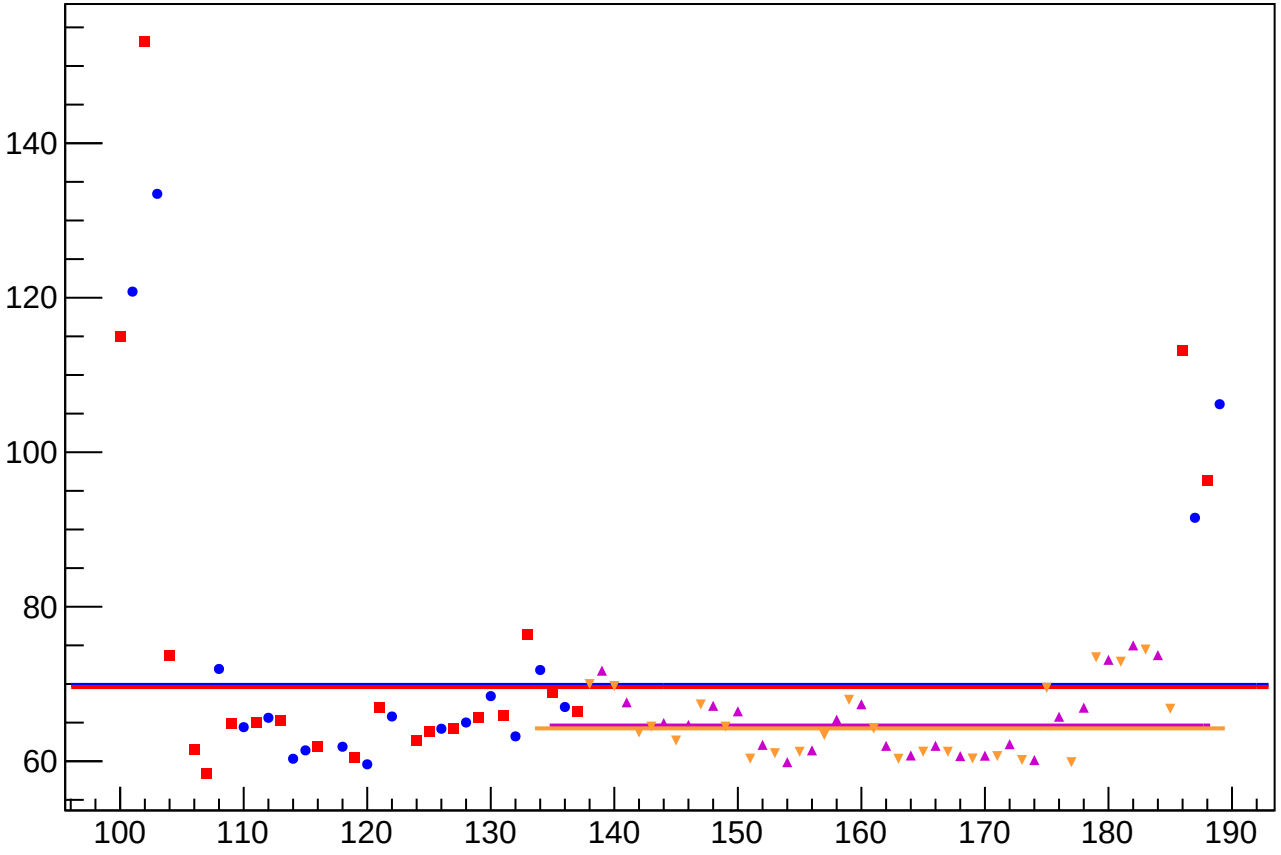
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

+ sign 60.421+/-12.693 χ^2/NDF: 76.5/42

All: 1.624+/-9.021 χ^2/NDF: 198.8/86

- sign -58.391+/-12.824 χ^2/NDF: 79.0/43

eigen_cor_asym_sam7_rms vs Slug



Right In: 69.882+/-0.018 χ^2/NDF: 720118.3/17

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

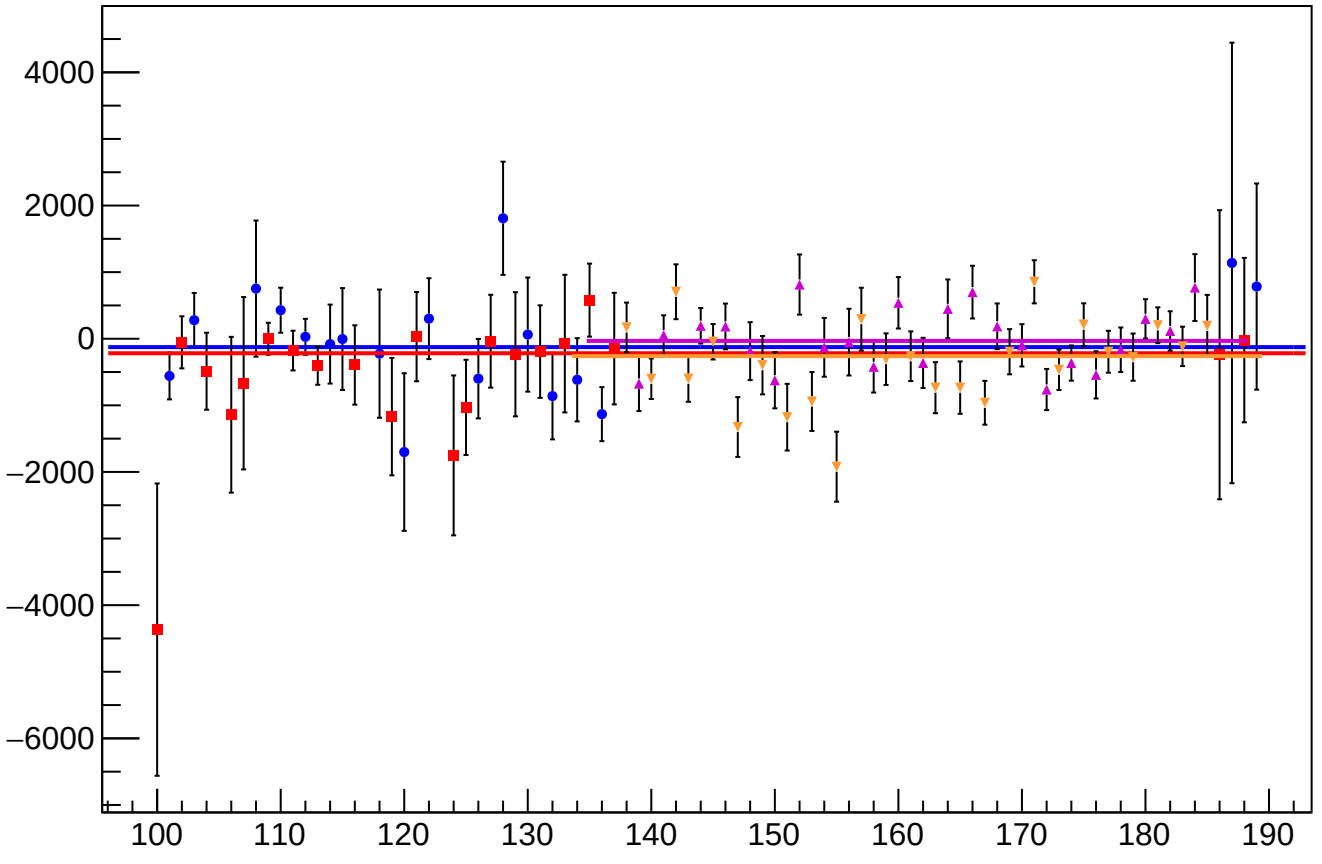
Right Out: 69.603+/-0.017 χ^2/NDF: 772714.6/20

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 65.654+/-0.009 χ^2/NDF: 971191.0/42

All: 65.838+/-0.006 χ^2/NDF: 1953101.4/86

- sign 66.027+/-0.009 χ^2/NDF: 981052.8/43



Right In: -125.735+/-125.399 χ^2/NDF: 23.0/17

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -217.874+/-117.283 χ^2/NDF: 12.5/20

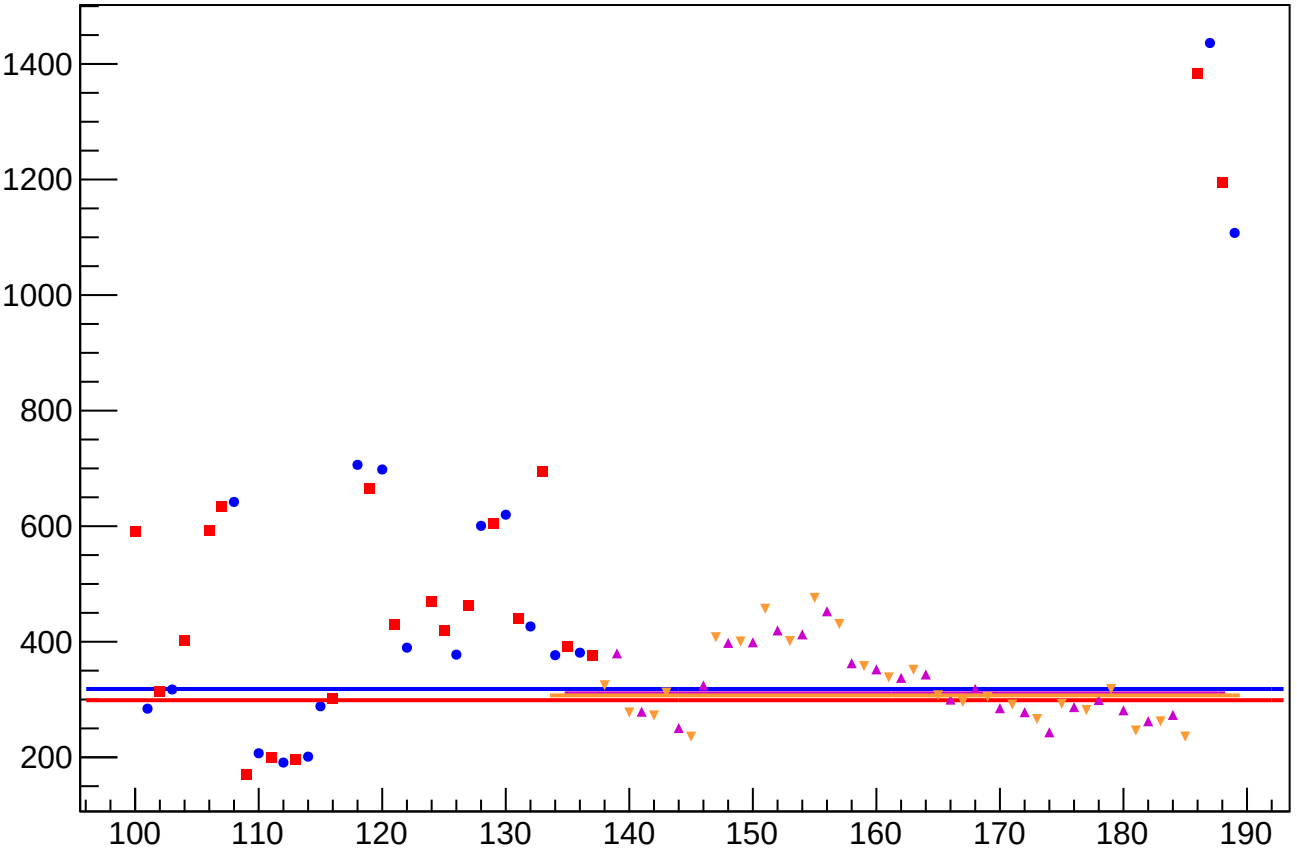
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

+ sign -228.070+/-61.961 χ^2/NDF: 82.7/42

All: -157.168+/-43.997 χ^2/NDF: 131.4/86

- sign -85.061+/-62.485 χ^2/NDF: 46.1/43

asym_sam7_eigen_cor_correction_rms vs Slug



Right In: 318.233+/-0.089 χ^2/NDF: 2878633.2/17

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 298.800+/-0.083 χ^2/NDF: 4260946.0/20

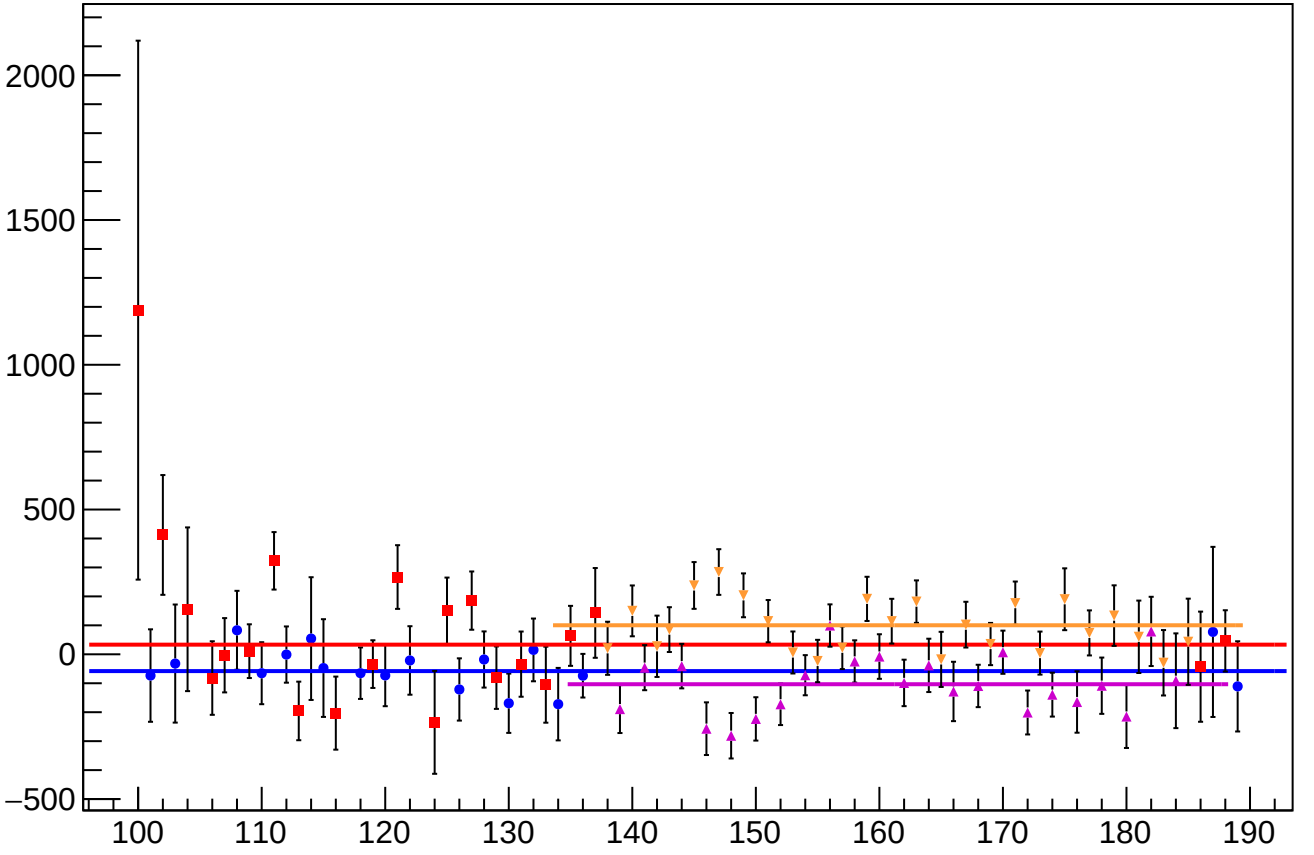
Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

+ sign 309.851+/-0.044 χ^2/NDF: 4210604.7/42

All: 308.596+/-0.031 χ^2/NDF: 9567423.8/86

- sign 307.320+/-0.044 χ^2/NDF: 5355165.6/43

dit_asym_sam7_mean vs Slug



Right In: -58.012+/-27.520 χ^2/NDF: 5.2/17

Left Out: 100.277+/-16.625 χ^2/NDF:27.7/24

Right Out: 33.320+/-26.270 χ^2/NDF: 37.3/20

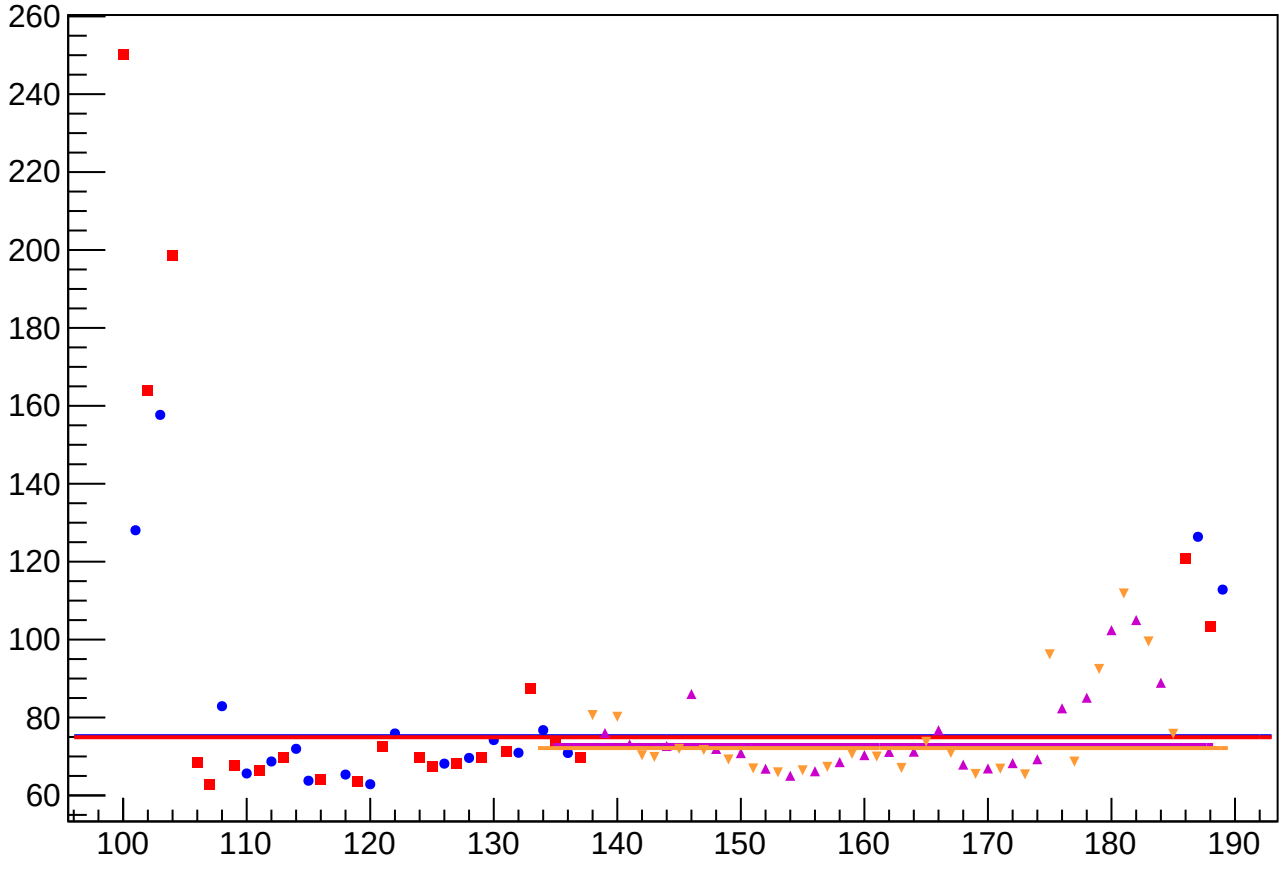
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 57.954+/-14.230 χ^2/NDF: 57.1/42

All: -1.279+/-10.131 χ^2/NDF: 181.2/86

- sign -62.150+/-14.425 χ^2/NDF: 89.0/43

dit_asym_sam7_rms vs Slug



Right In: 75.209+/-0.019 χ^2/NDF: 841383.9/17

Left Out: 72.150+/-0.012 χ^2/NDF:641970.1/24

Right Out: 74.935+/-0.019 χ^2/NDF: 1241587.1/20

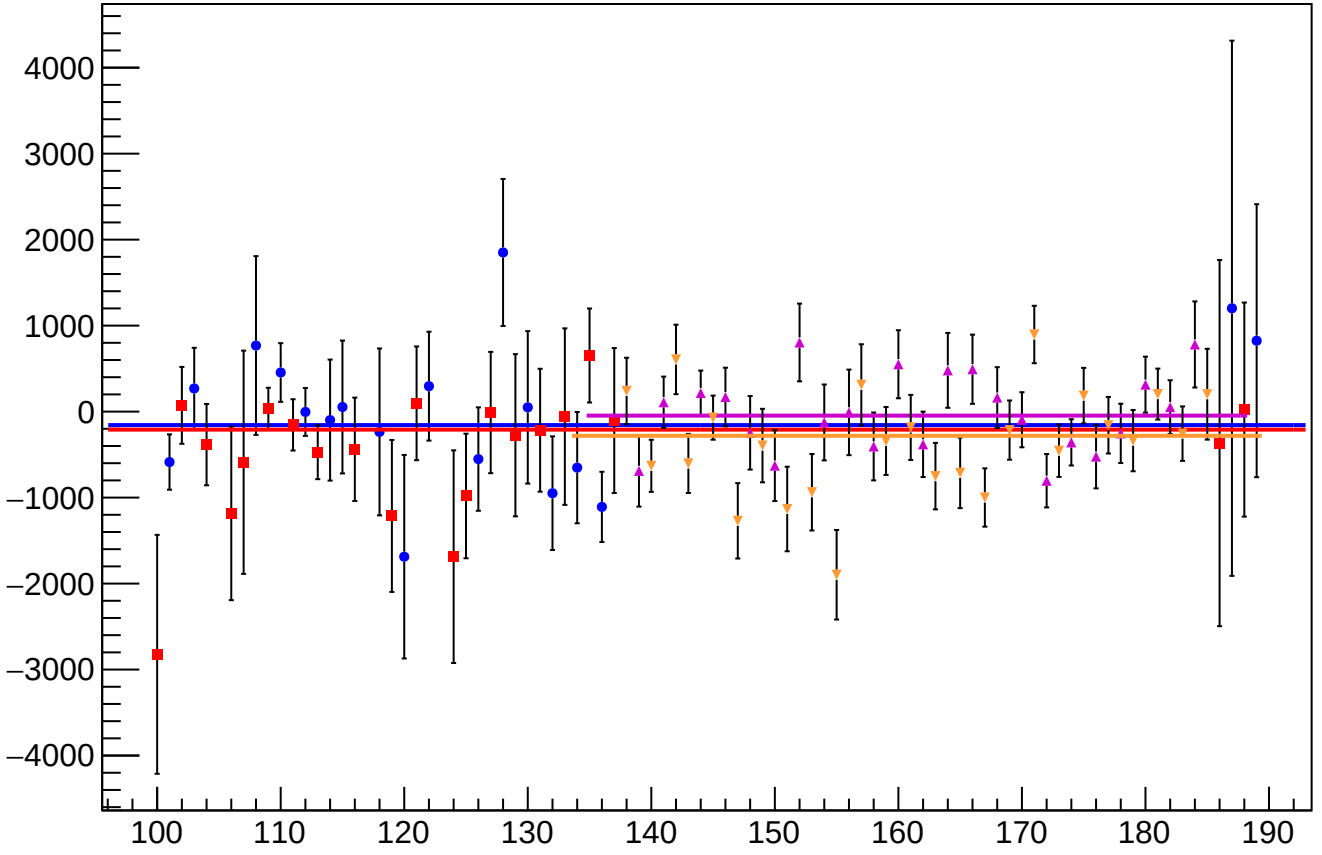
Left In: 72.948+/-0.012 χ^2/NDF:509028.0/22

+ sign 72.968+/-0.010 χ^2/NDF: 1501467.8/42

All: 73.253+/-0.007 χ^2/NDF: 3261705.1/86

- sign 73.547+/-0.010 χ^2/NDF: 1758602.1/43

asym_sam7_dit_correction_mean vs Slug



Right In: -156.762+/-127.911 χ^2/NDF: 23.2/17

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: -209.674+/-119.378 χ^2/NDF: 13.7/20

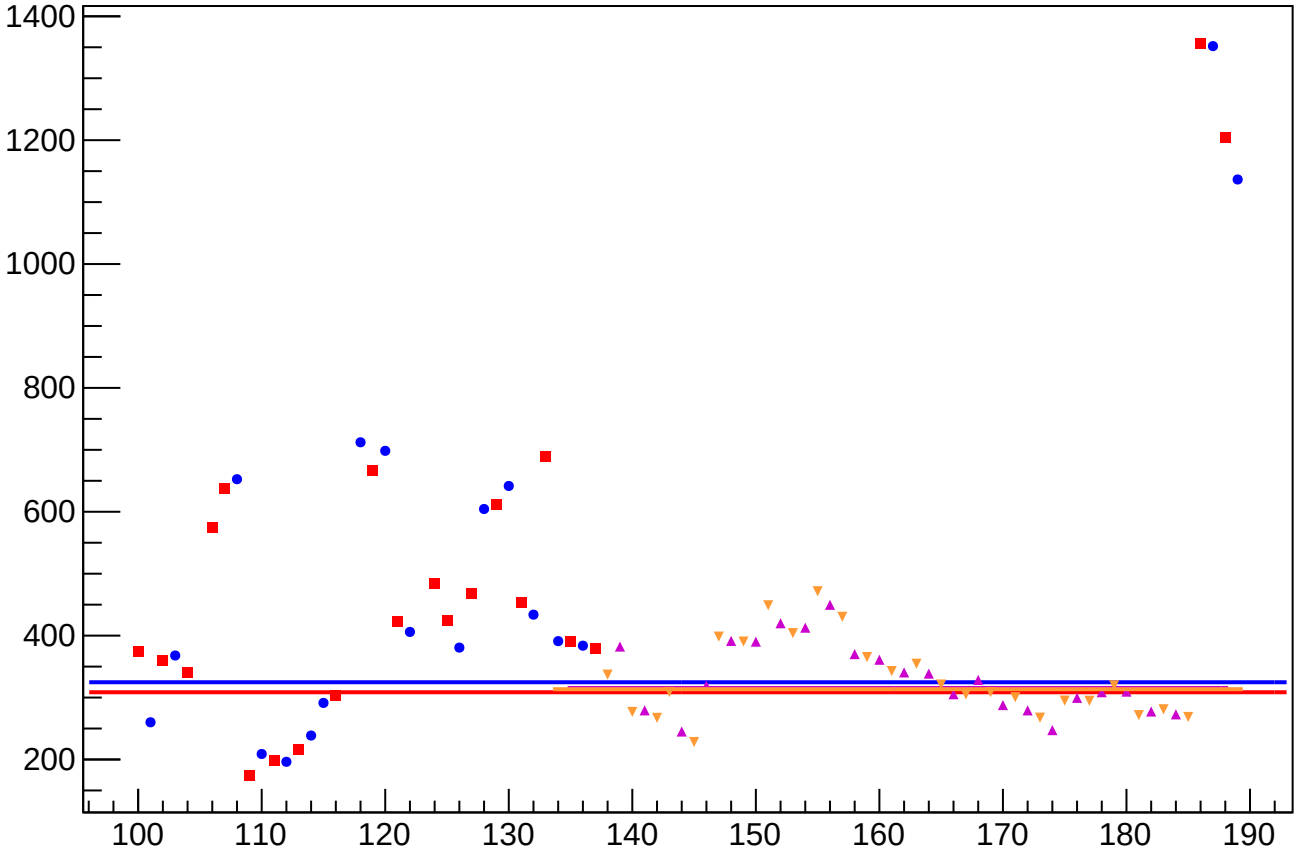
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -250.923+/-63.098 χ^2/NDF: 80.7/42

All: -172.213+/-44.739 χ^2/NDF: 129.6/86

- sign -92.637+/-63.444 χ^2/NDF: 45.7/43

asym_sam7_dit_correction_rms vs Slug



Right In: 324.728+/-0.090 χ^2/NDF: 2883157.4/17

Left Out: 313.500+/-0.051 χ^2/NDF:1175529.4/24

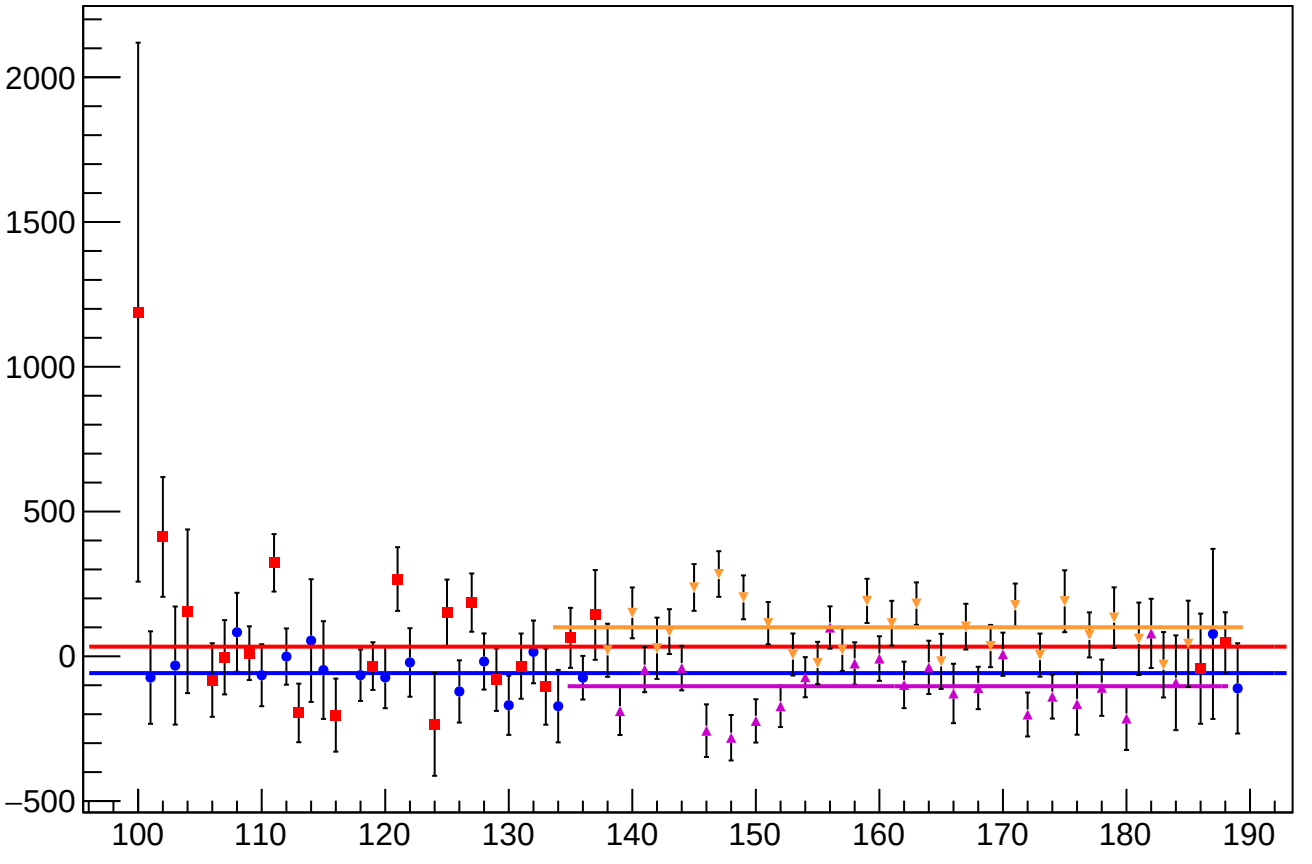
Right Out: 308.570+/-0.084 χ^2/NDF: 4081365.5/20

Left In: 315.455+/-0.053 χ^2/NDF:1008523.1/22

+ sign 316.232+/-0.045 χ^2/NDF: 4070346.4/42

All: 314.879+/-0.032 χ^2/NDF: 9166858.7/86

- sign 313.511+/-0.045 χ^2/NDF: 5094662.0/43



Right In: -58.011+/-27.520 χ^2/NDF: 5.2/17

Left Out: 100.276+/-16.625 χ^2/NDF:27.7/24

Right Out: 33.321+/-26.270 χ^2/NDF: 37.3/20

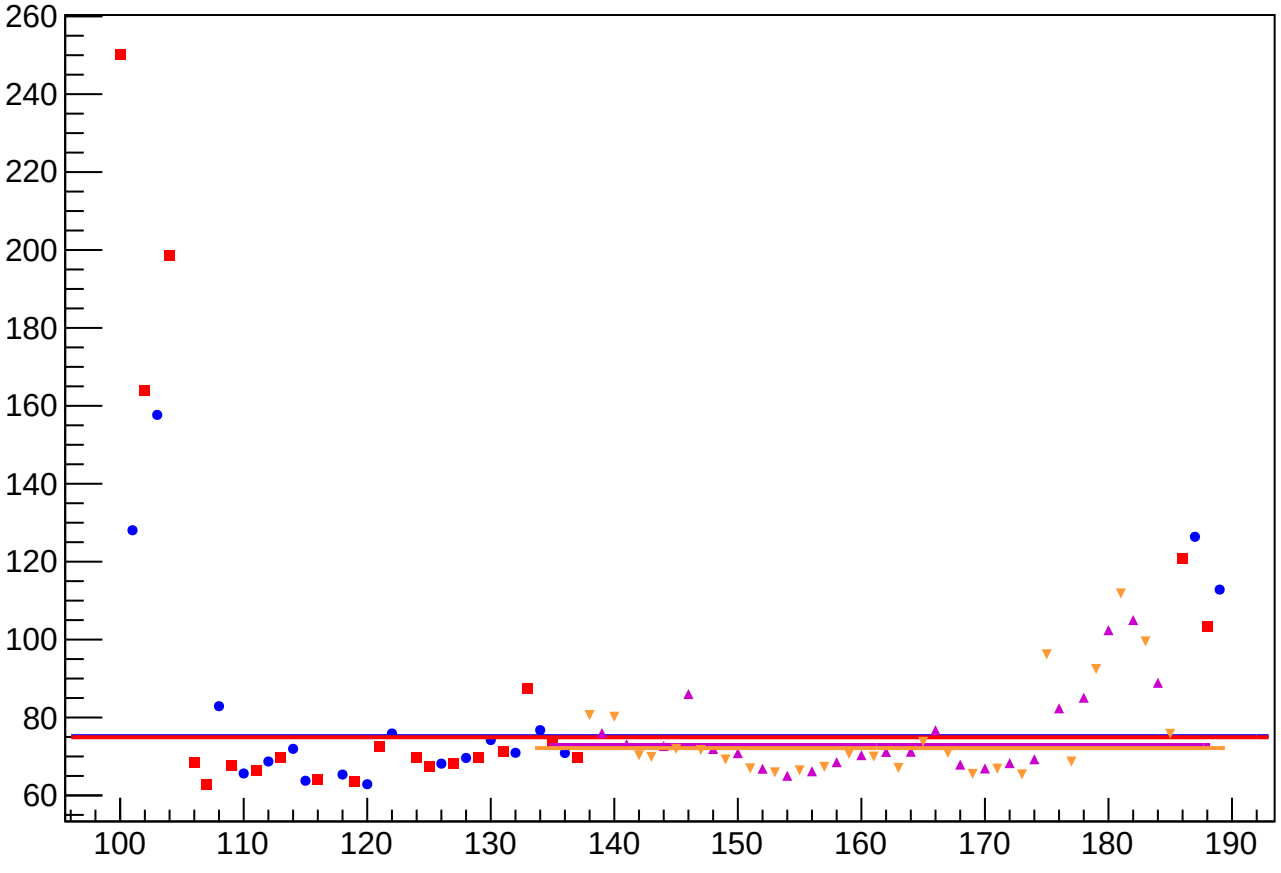
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 57.954+/-14.230 χ^2/NDF: 57.1/42

All: -1.279+/-10.131 χ^2/NDF: 181.2/86

- sign -62.149+/-14.425 χ^2/NDF: 89.0/43

eigen_dit_asym_sam7_rms vs Slug



Right In: 75.209+/-0.019 χ^2/NDF: 841388.6/17

Left Out: 72.150+/-0.012 χ^2/NDF:641967.4/24

Right Out: 74.934+/-0.019 χ^2/NDF: 1241585.4/20

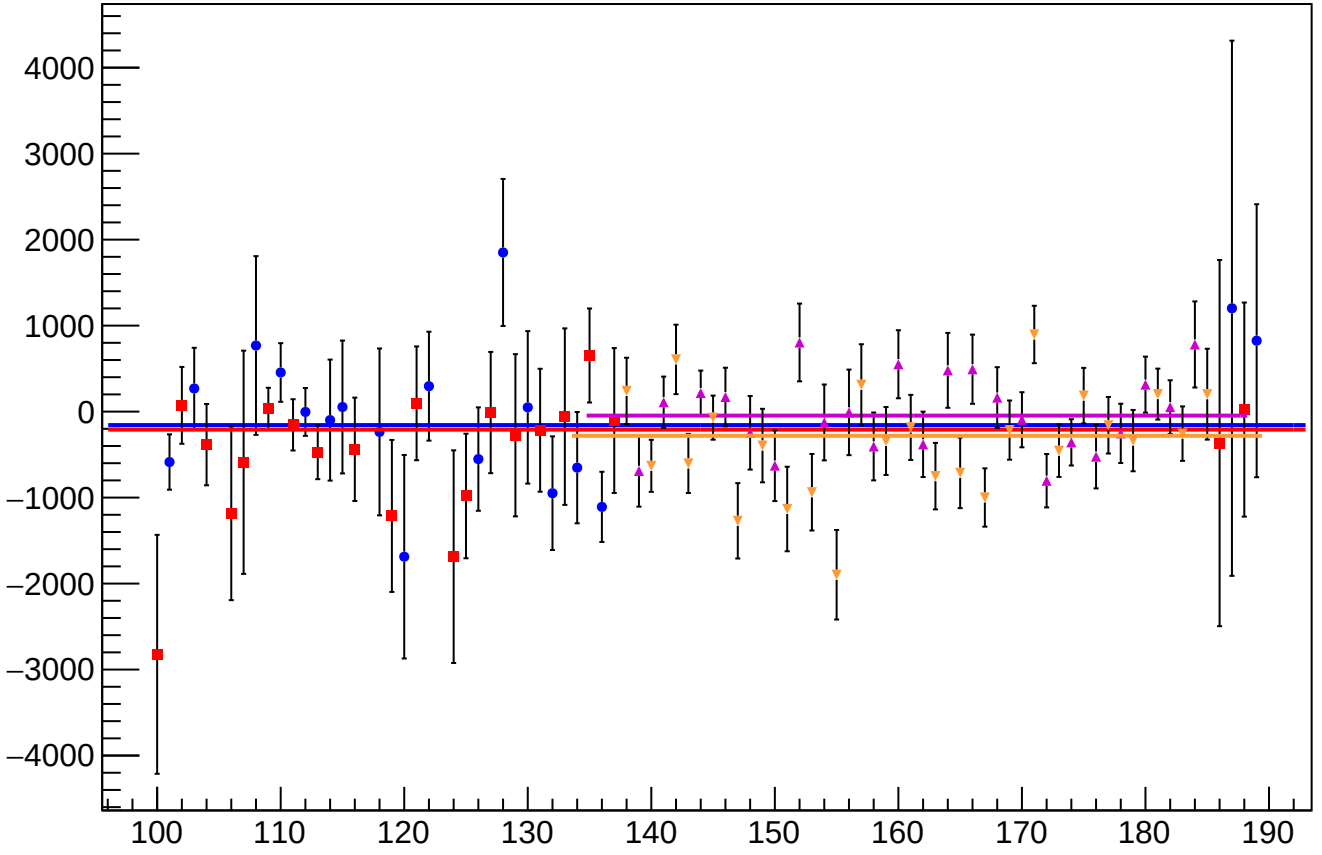
Left In: 72.948+/-0.012 χ^2/NDF:509028.7/22

+ sign 72.968+/-0.010 χ^2/NDF: 1501468.1/42

All: 73.253+/-0.007 χ^2/NDF: 3261703.4/86

- sign 73.547+/-0.010 χ^2/NDF: 1758600.0/43

asym_sam7_eigen_dit_correction_mean vs Slug



Right In: -156.761+/-127.910 χ^2/NDF: 23.2/17

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: -209.673+/-119.378 χ^2/NDF: 13.7/20

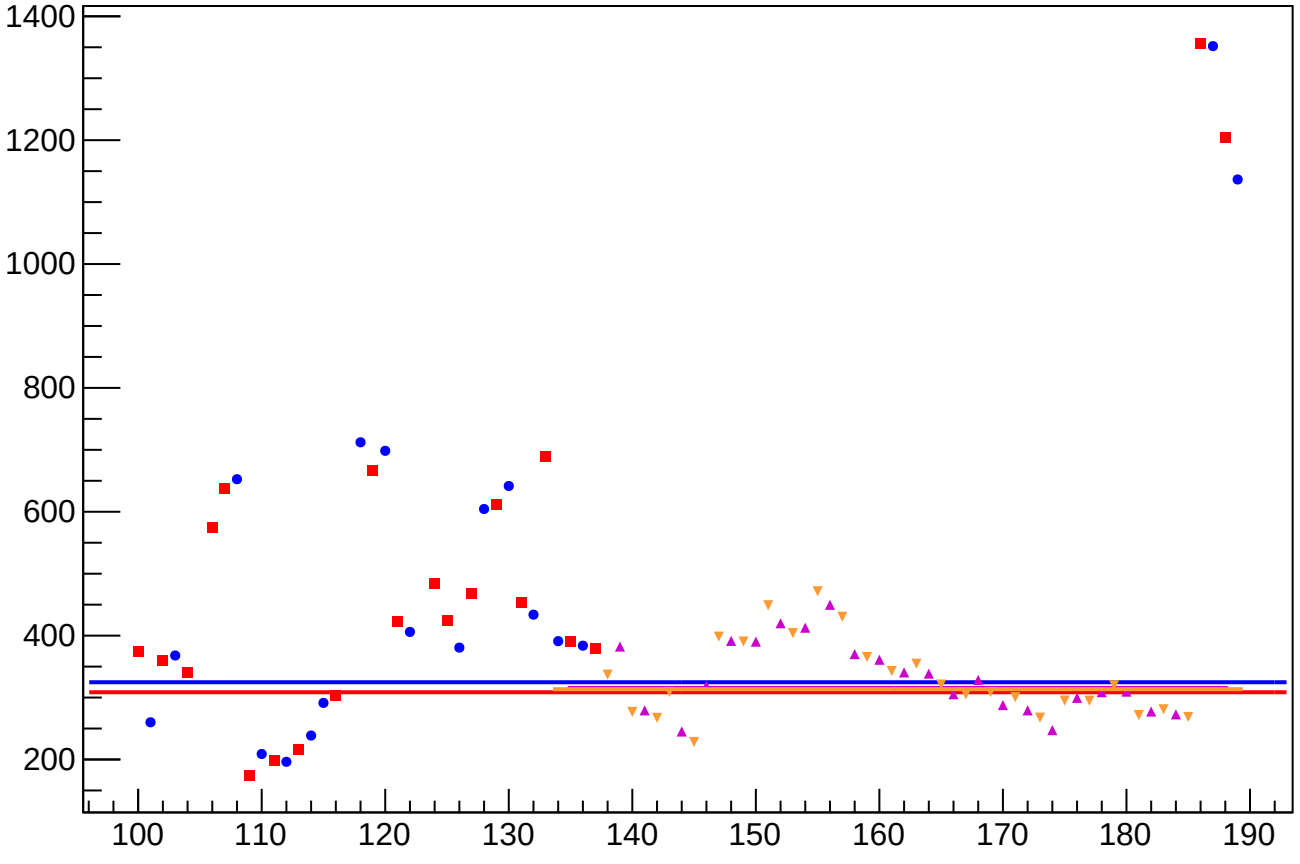
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -250.922+/-63.098 χ^2/NDF: 80.7/42

All: -172.213+/-44.739 χ^2/NDF: 129.6/86

- sign -92.637+/-63.444 χ^2/NDF: 45.7/43

asym_sam7_eigen_dit_correction_rms vs Slug



Right In: 324.725+/-0.090 χ^2/NDF: 2883192.6/17

Left Out: 313.500+/-0.051 χ^2/NDF:1175534.8/24

Right Out: 308.569+/-0.084 χ^2/NDF: 4081380.2/20

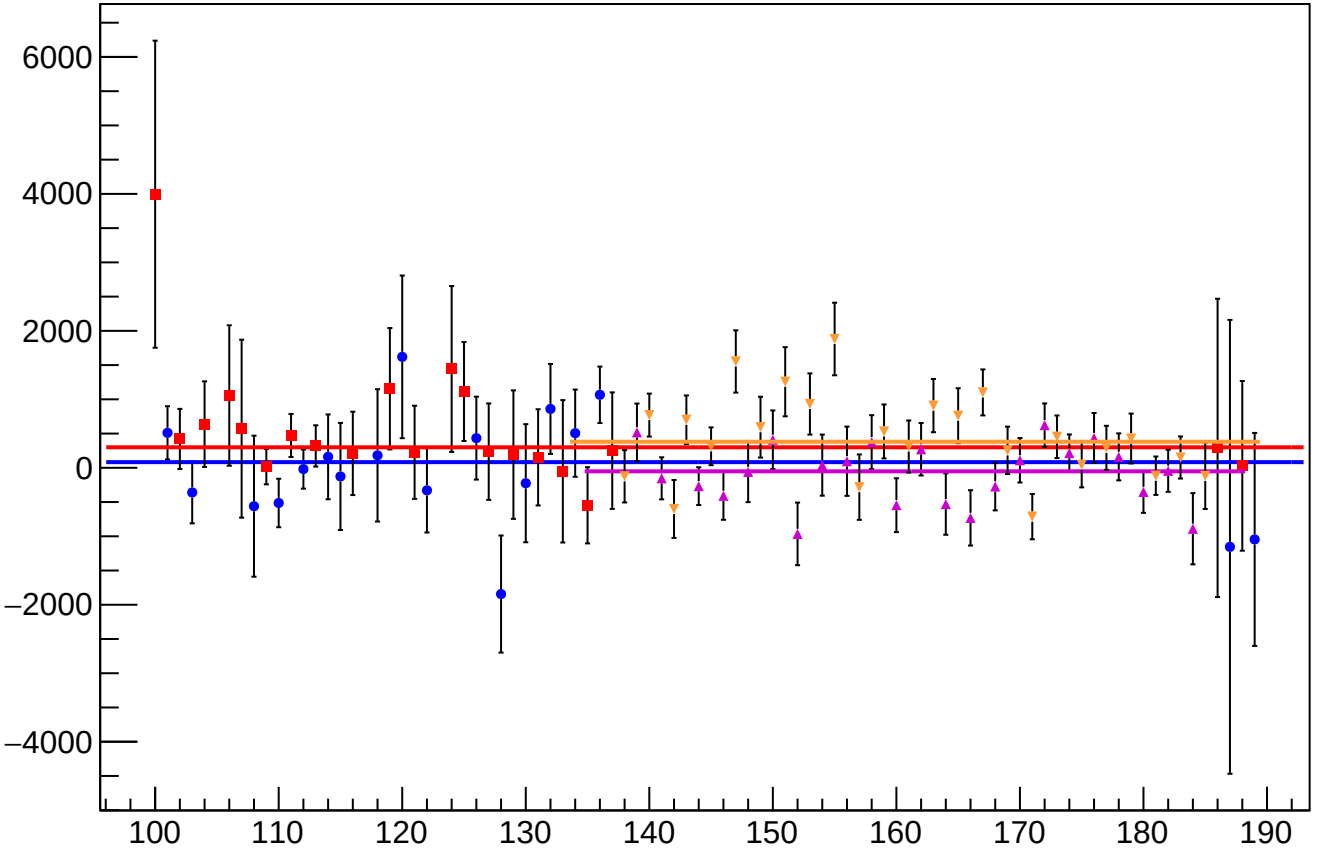
Left In: 315.456+/-0.053 χ^2/NDF:1008521.8/22

+ sign 316.232+/-0.045 χ^2/NDF: 4070381.7/42

All: 314.879+/-0.032 χ^2/NDF: 9166909.7/86

- sign 313.510+/-0.045 χ^2/NDF: 5094678.1/43

asym_sam7_mean vs Slug



Right In: 82.721+/-131.352 χ^2/NDF: 21.5/17

Left Out: 380.624+/-73.057 χ^2/NDF:55.4/24

Right Out: 299.532+/-123.104 χ^2/NDF: 10.9/20

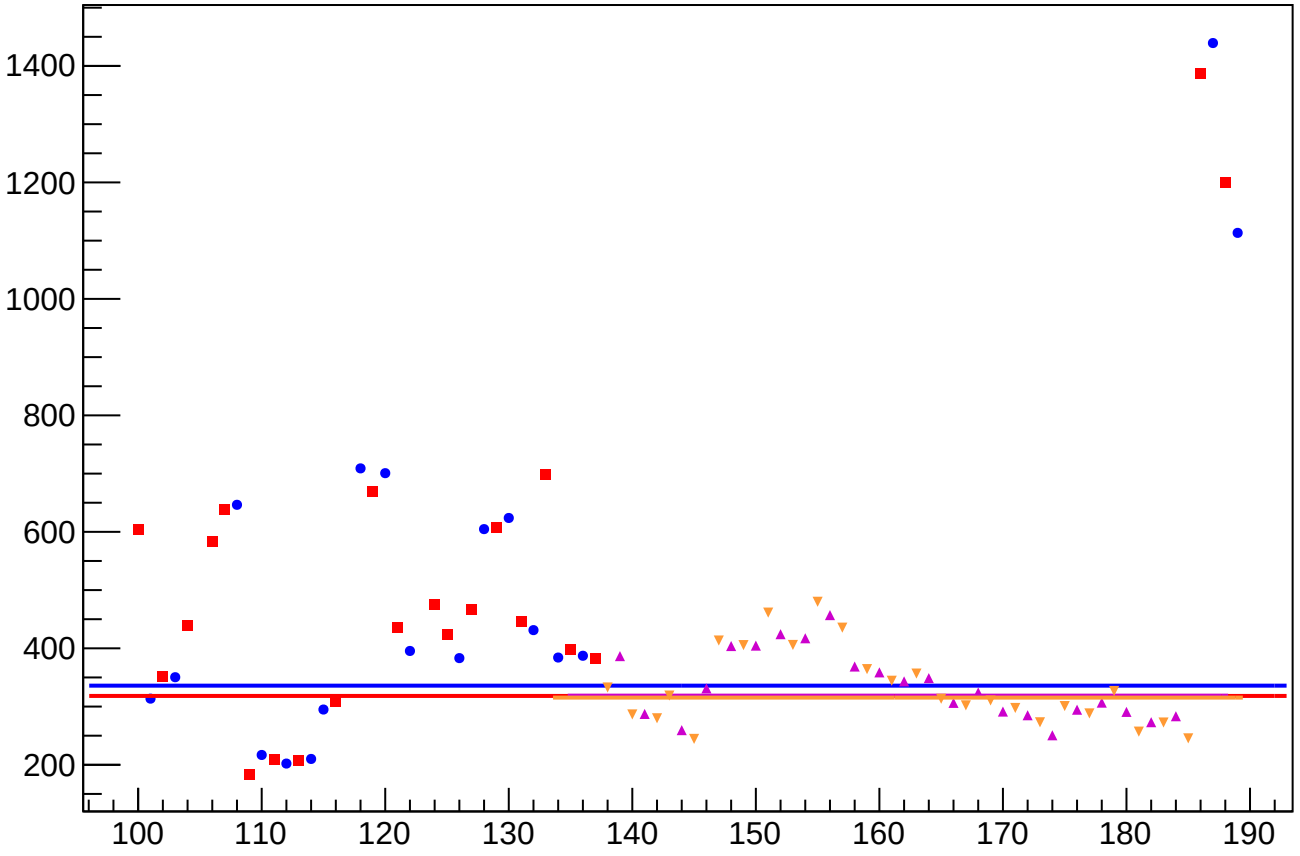
Left In: -51.474+/-75.629 χ^2/NDF:28.2/22

+ sign 310.241+/-63.846 χ^2/NDF: 80.9/42

All: 178.703+/-45.354 χ^2/NDF: 134.4/86

- sign 44.704+/-64.440 χ^2/NDF: 45.0/43

asym_sam7_rms vs Slug



Right In: 335.909+/-0.093 χ^2/NDF: 2686550.2/17

Left Out: 315.396+/-0.052 χ^2/NDF:1210106.0/24

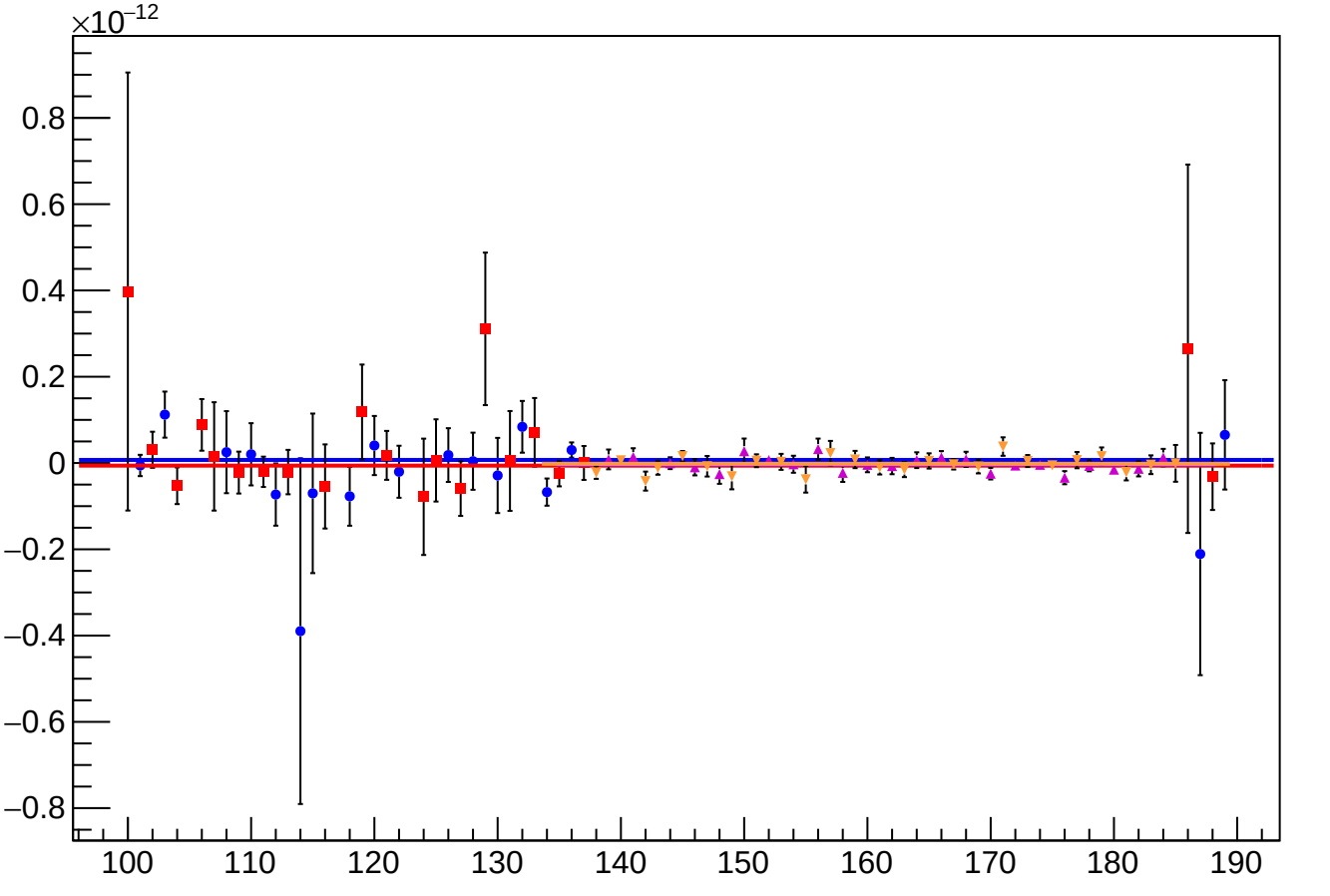
Right Out: 318.262+/-0.087 χ^2/NDF: 4040444.4/20

Left In: 318.688+/-0.053 χ^2/NDF:991604.7/22

+ sign 320.242+/-0.045 χ^2/NDF: 3933912.0/42

All: 319.415+/-0.032 χ^2/NDF: 8966657.1/86

- sign 318.571+/-0.046 χ^2/NDF: 5032066.6/43



Right In: 0.000+/-0.000 χ^2/NDF: 18.5/17

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/24

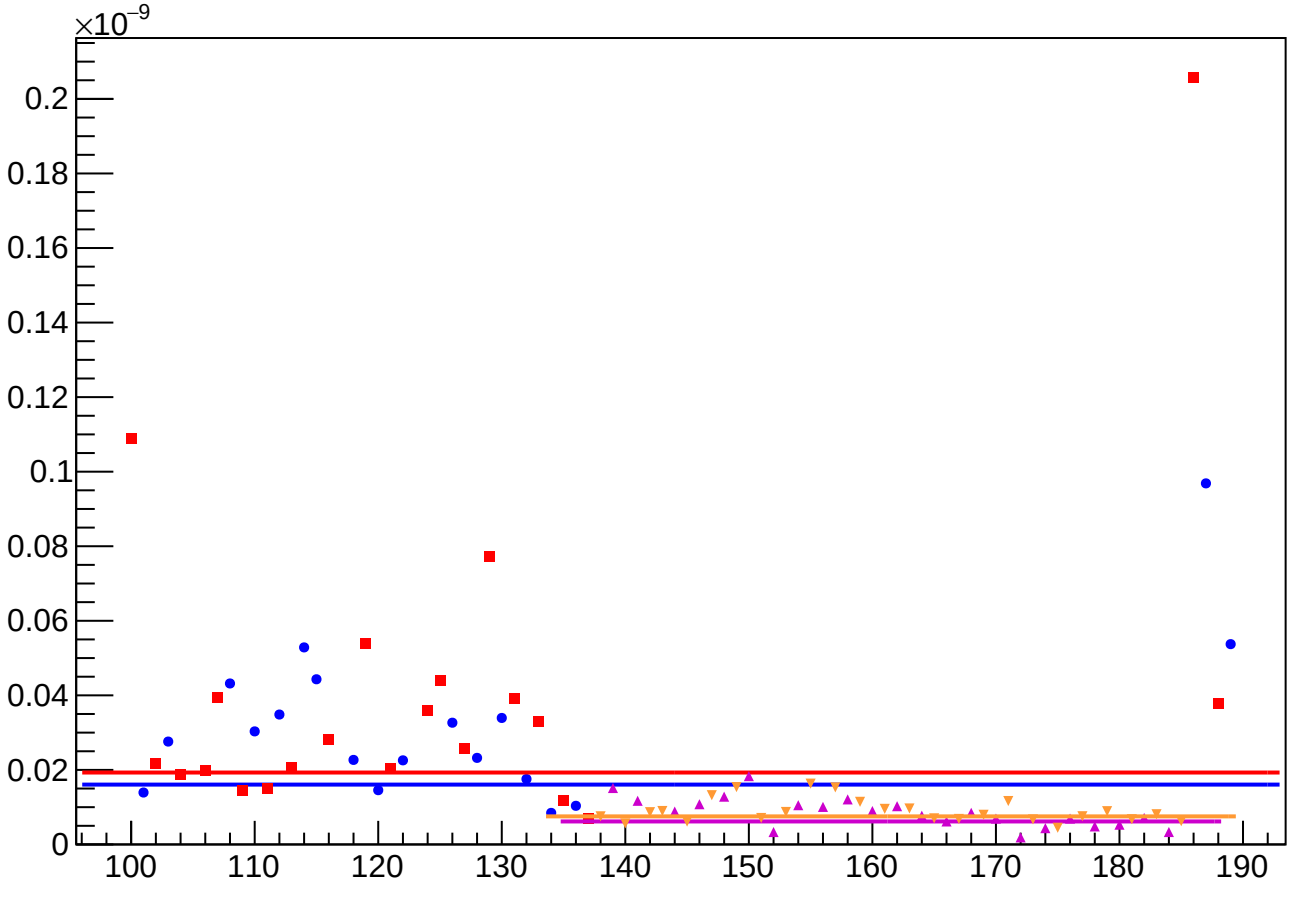
Right Out: -0.000+/-0.000 χ^2/NDF: 13.3/20

Left In: -0.000+/-0.000 χ^2/NDF:17.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 38.1/42

All: -0.000+/-0.000 χ^2/NDF: 69.8/86

- sign -0.000+/-0.000 χ^2/NDF: 31.0/43



Right In: 0.000+/-0.000 χ^2/NDF: 1509515.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:1208953.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1731992.7/20

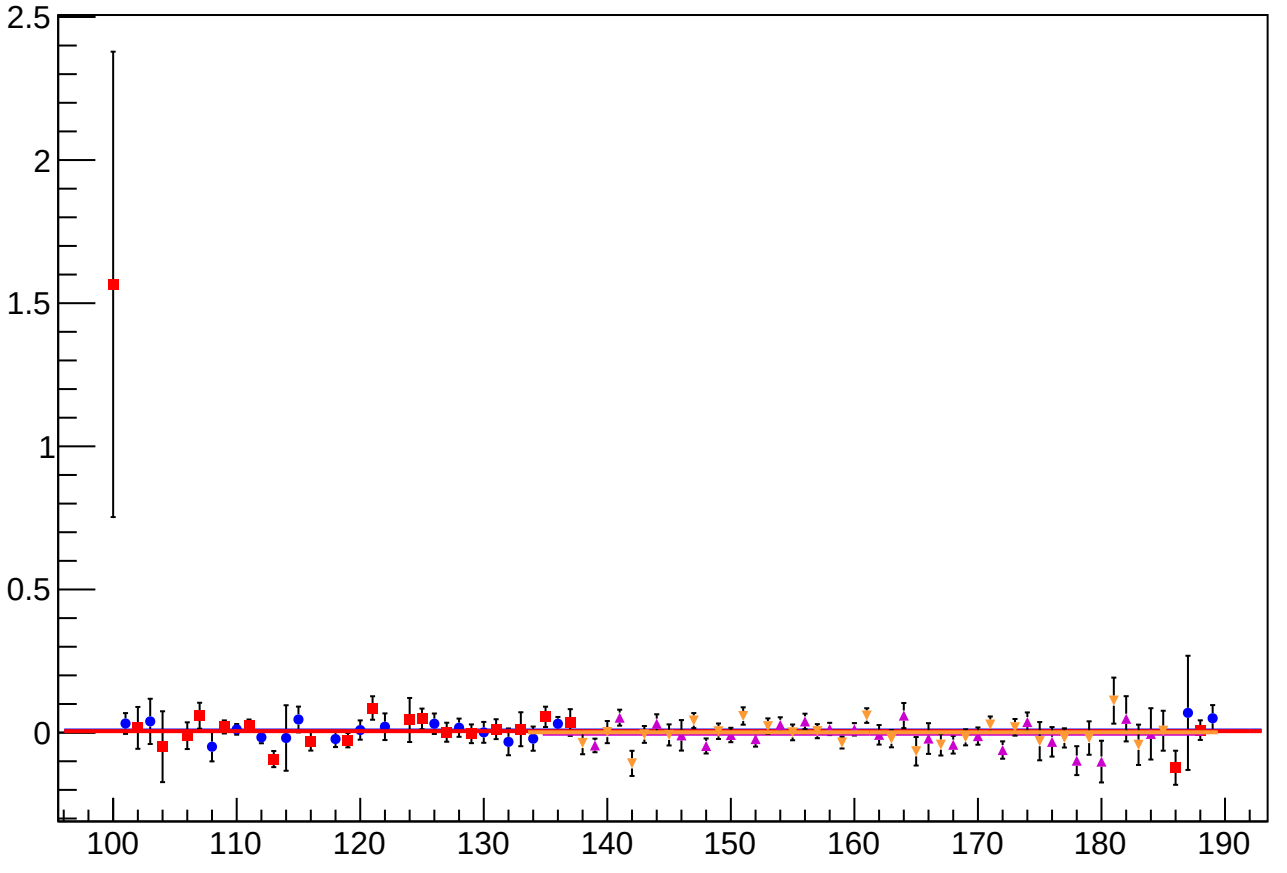
Left In: 0.000+/-0.000 χ^2/NDF:2784673.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 3842655.5/42

All: 0.000+/-0.000 χ^2/NDF: 10593135.8/86

- sign 0.000+/-0.000 χ^2/NDF: 6552414.7/43

asym_sam7_dit_vs_cor_diff_mean vs Slug



Right In: 0.007+/-0.008 χ^2/NDF: 8.9/17

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.005+/-0.008 χ^2/NDF: 34.5/20

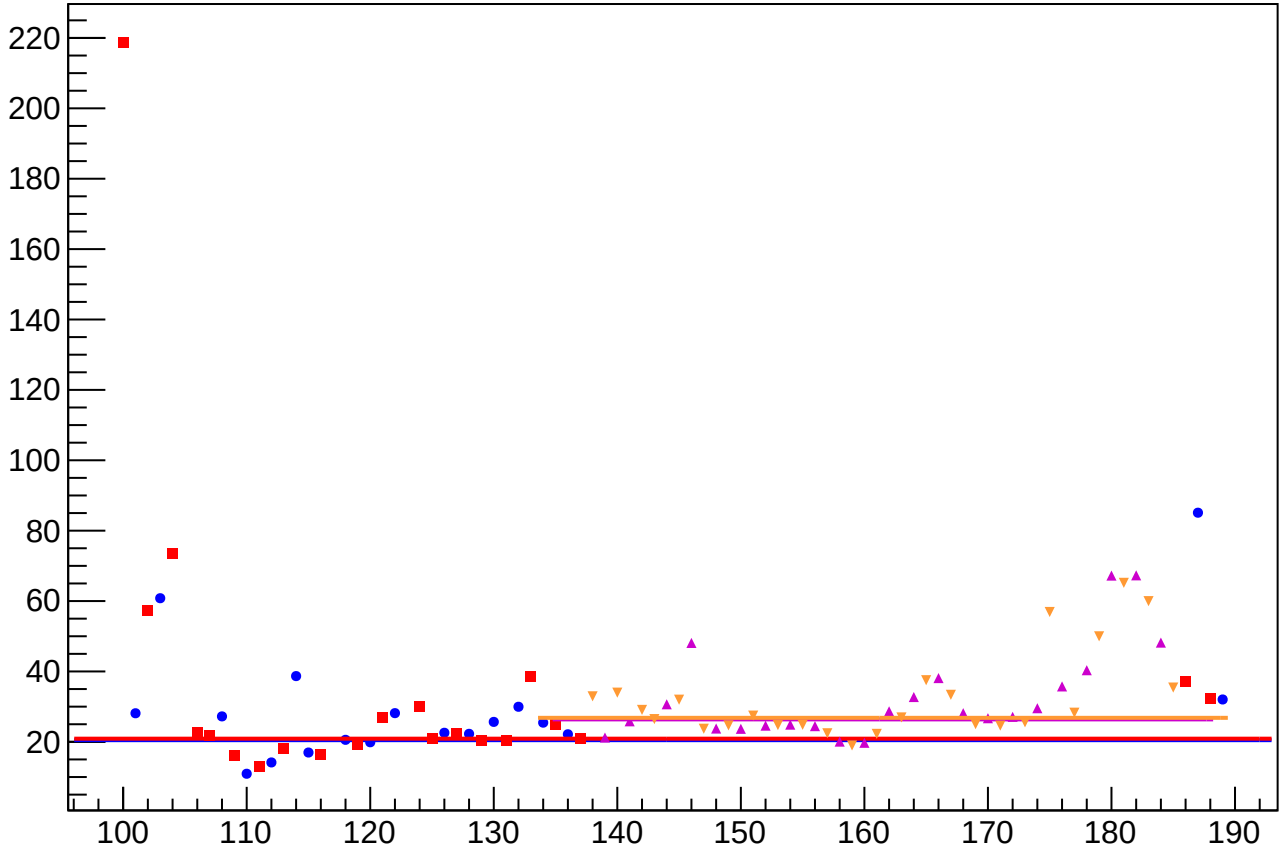
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.004+/-0.005 χ^2/NDF: 39.5/42

All: 0.002+/-0.004 χ^2/NDF: 106.2/86

- sign -0.000+/-0.005 χ^2/NDF: 66.4/43

asym_sam7_dit_vs_cor_diff_rms vs Slug



Right In: 20.473+/-0.006 χ^2/NDF: 1984569.0/17

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 20.899+/-0.006 χ^2/NDF: 2114868.1/20

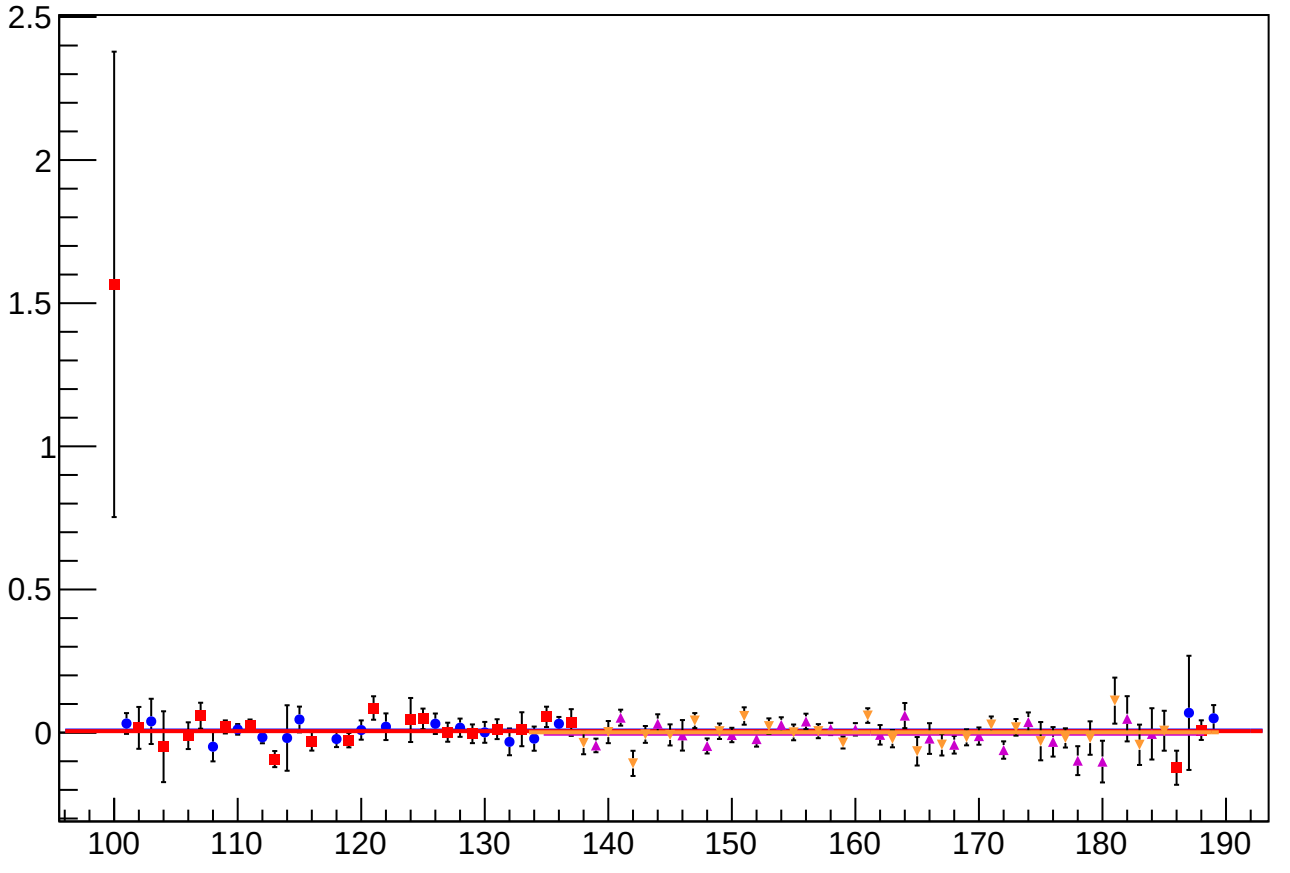
Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

+ sign 24.313+/-0.004 χ^2/NDF: 5209152.4/42

All: 24.203+/-0.003 χ^2/NDF: 10465871.0/86

- sign 24.093+/-0.004 χ^2/NDF: 5254829.8/43

asym_sam7_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.007+/-0.008 χ^2/NDF: 8.9/17

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.005+/-0.008 χ^2/NDF: 34.5/20

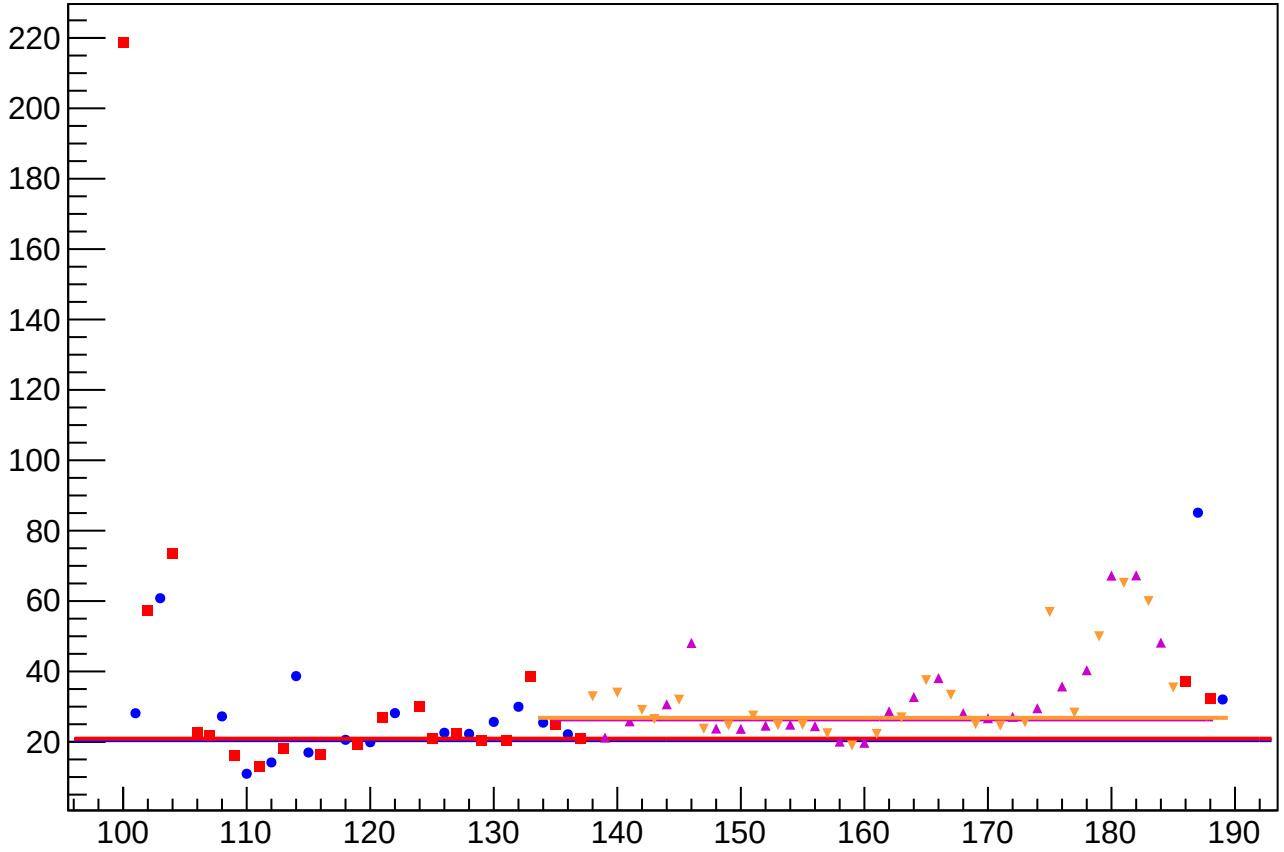
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.004+/-0.005 χ^2/NDF: 39.5/42

All: 0.002+/-0.004 χ^2/NDF: 106.2/86

- sign -0.000+/-0.005 χ^2/NDF: 66.4/43

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.473+/-0.006 χ^2/NDF: 1984569.0/17

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

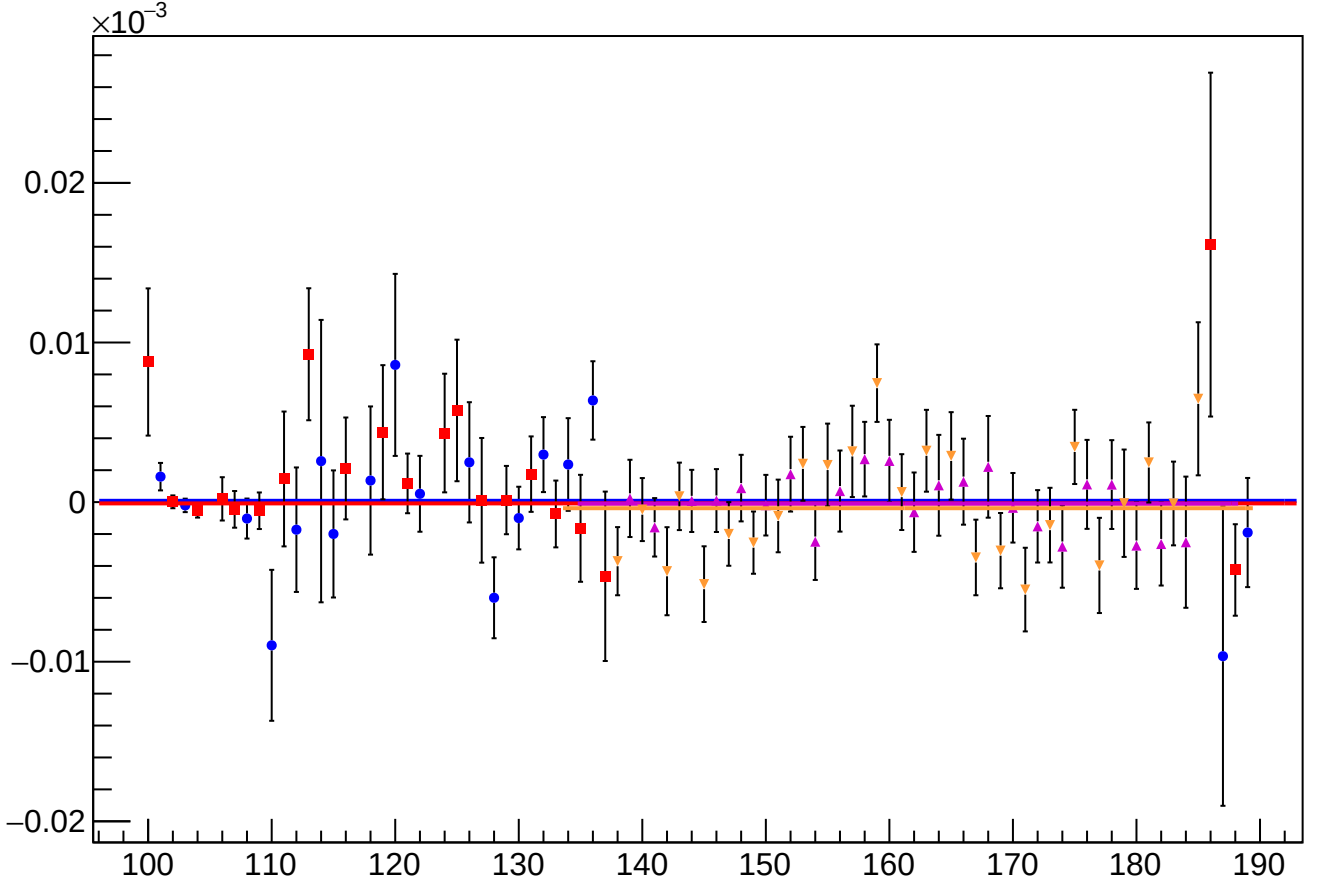
Right Out: 20.899+/-0.006 χ^2/NDF: 2114868.1/20

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

+ sign 24.313+/-0.004 χ^2/NDF: 5209152.4/42

All: 24.203+/-0.003 χ^2/NDF: 10465871.0/86

- sign 24.093+/-0.004 χ^2/NDF: 5254829.8/43



Right In: 0.000+/-0.000 χ^2/NDF: 27.5/17

Left Out: -0.000+/-0.000 χ^2/NDF:43.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.5/20

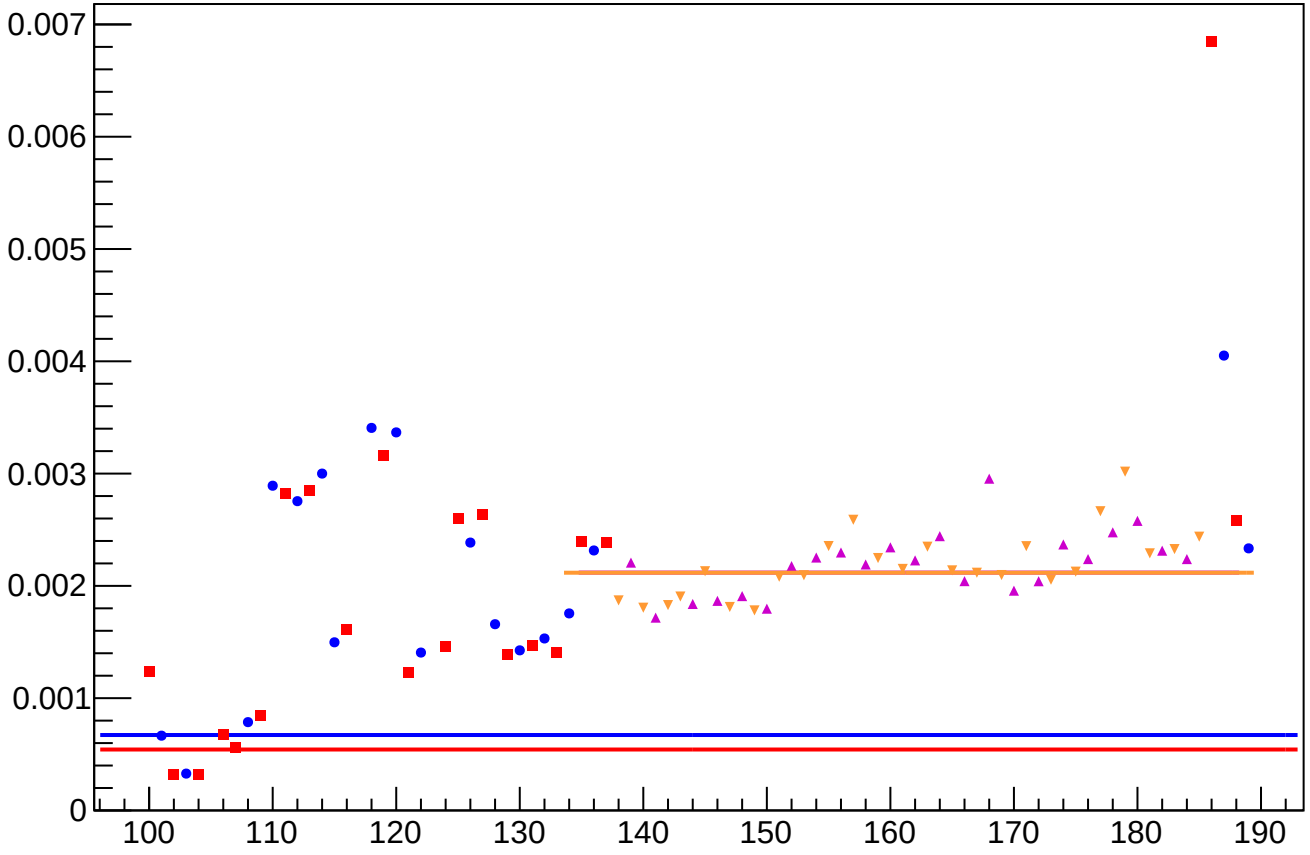
Left In: -0.000+/-0.000 χ^2/NDF:10.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 71.2/42

All: -0.000+/-0.000 χ^2/NDF: 102.9/86

- sign -0.000+/-0.000 χ^2/NDF: 31.7/43

asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 7097056.4/17

Left Out: 0.002+/-0.000 χ^2/NDF:578720.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 8388380.3/20

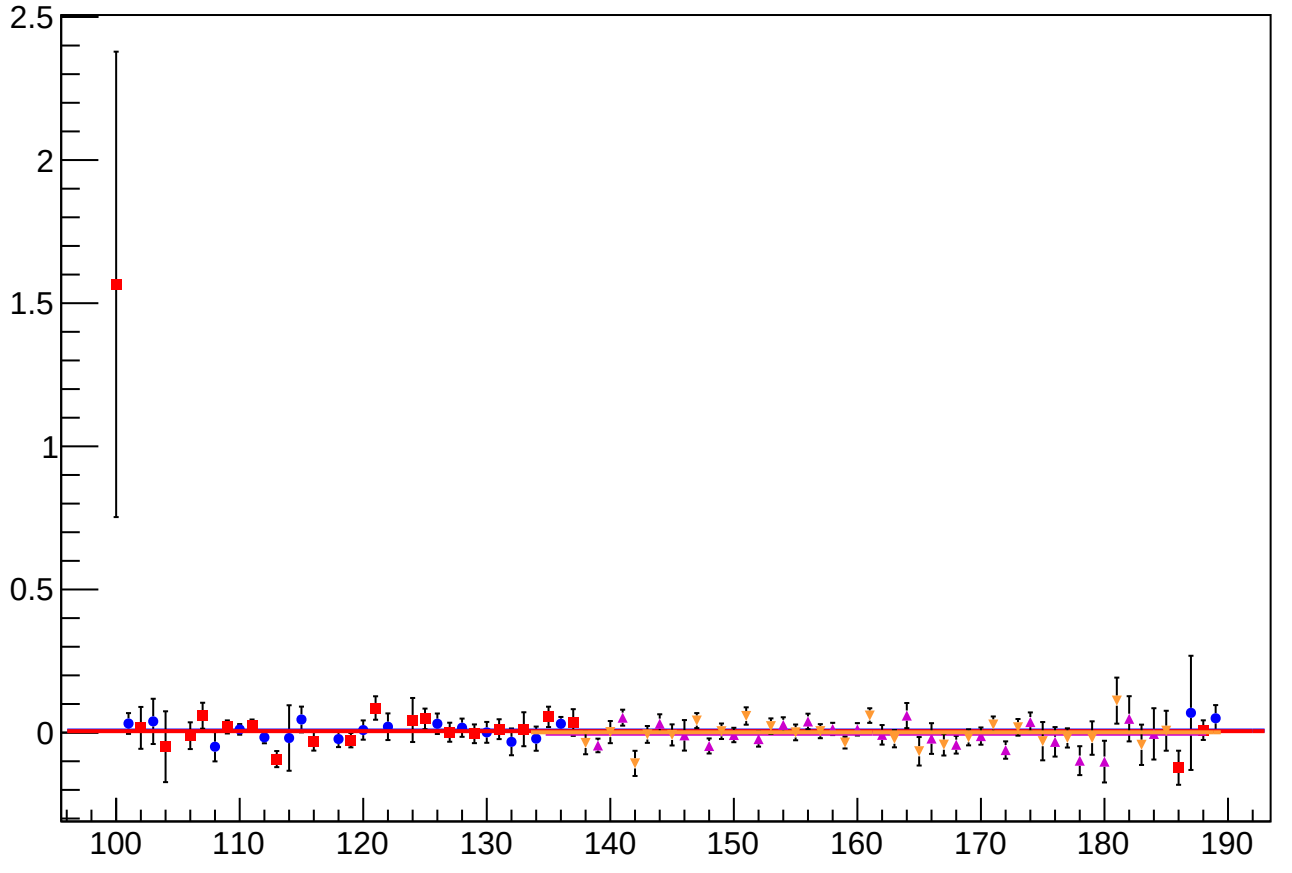
Left In: 0.002+/-0.000 χ^2/NDF:588580.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 19730513.9/42

All: 0.001+/-0.000 χ^2/NDF: 45360137.9/86

- sign 0.001+/-0.000 χ^2/NDF: 24618551.9/43

asym_sam7_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.007+/-0.008 χ^2/NDF: 8.9/17

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.005+/-0.008 χ^2/NDF: 34.5/20

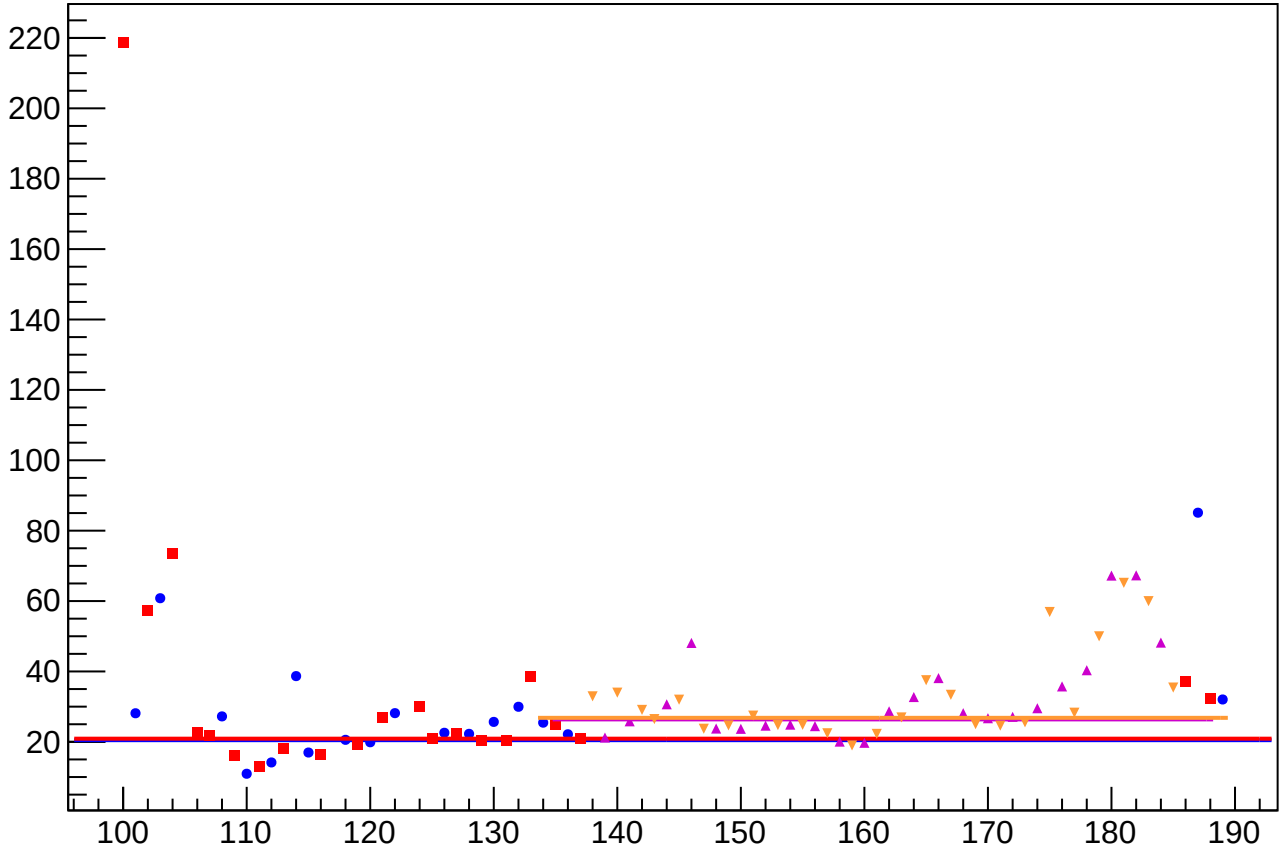
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.004+/-0.005 χ^2/NDF: 39.5/42

All: 0.002+/-0.004 χ^2/NDF: 106.2/86

- sign -0.000+/-0.005 χ^2/NDF: 66.4/43

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 20.473+/-0.006 χ^2/NDF: 1984390.3/17

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

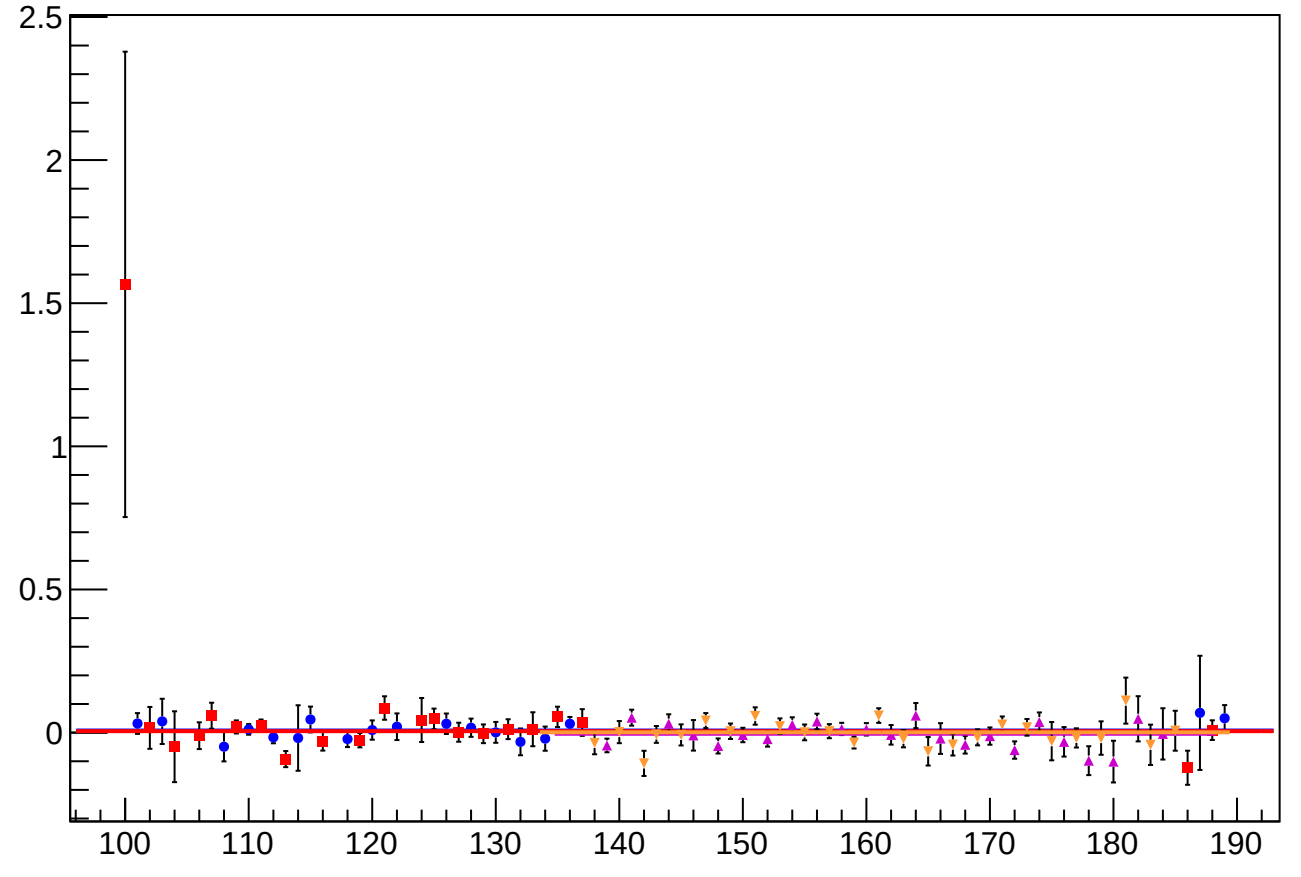
Right Out: 20.899+/-0.006 χ^2/NDF: 2114755.7/20

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

+ sign 24.313+/-0.004 χ^2/NDF: 5208898.8/42

All: 24.203+/-0.003 χ^2/NDF: 10465555.4/86

- sign 24.093+/-0.004 χ^2/NDF: 5254764.4/43



Right In: 0.007+/-0.008 χ^2/NDF: 8.9/17

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

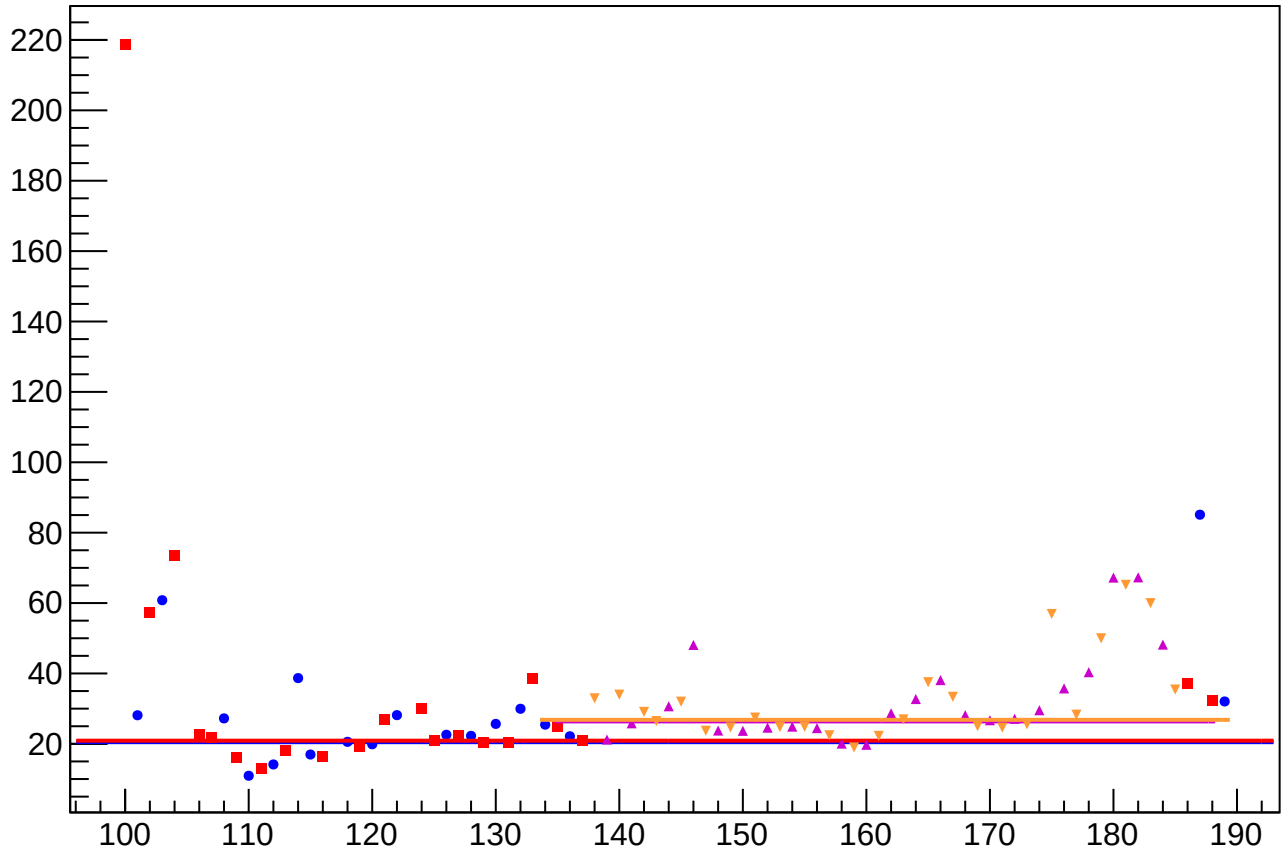
Right Out: 0.005+/-0.008 χ^2/NDF: 34.5/20

Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.004+/-0.005 χ^2/NDF: 39.5/42

All: 0.002+/-0.004 χ^2/NDF: 106.2/86

- sign -0.000+/-0.005 χ^2/NDF: 66.4/43



Right In: 20.473+/-0.006 χ^2/NDF: 1984390.3/17

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

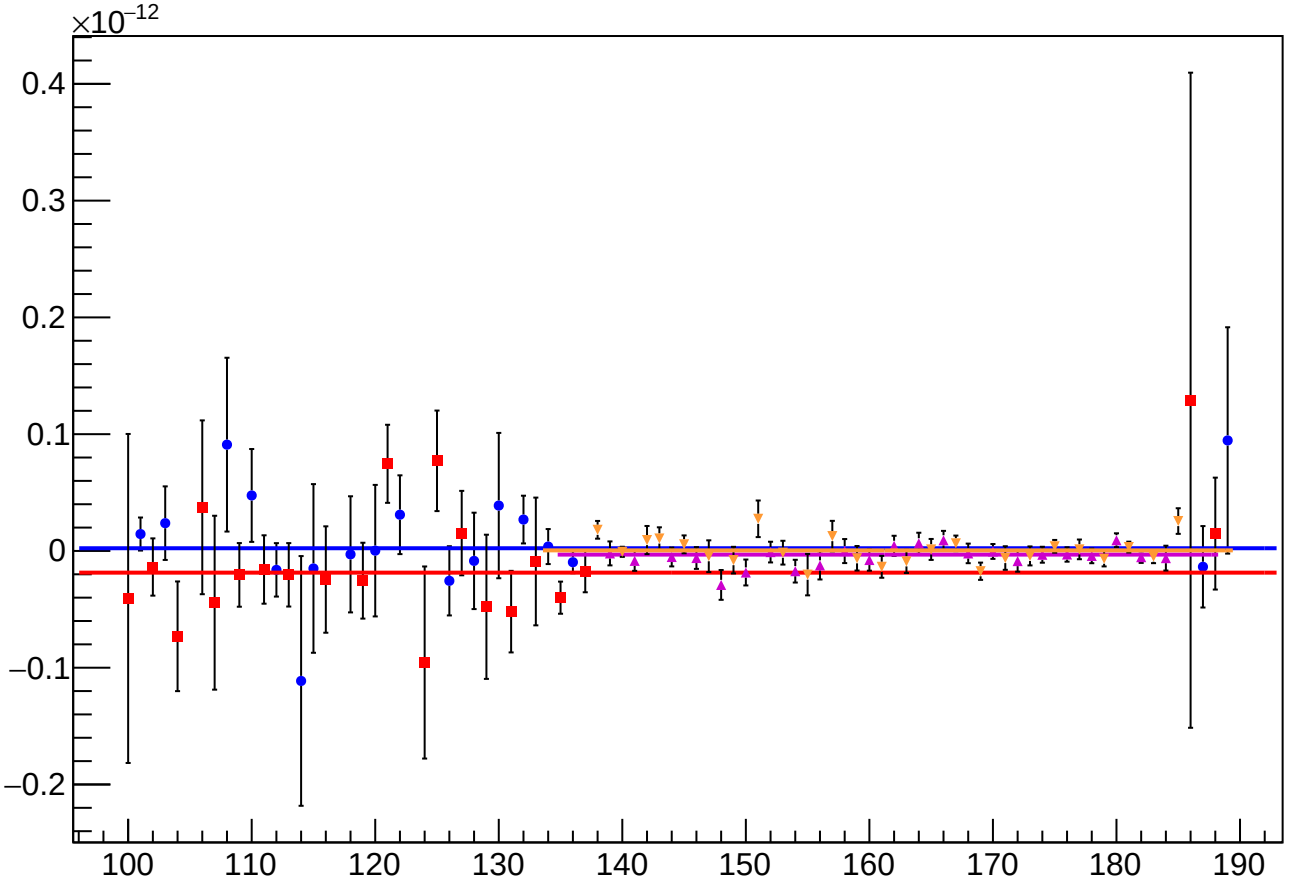
Right Out: 20.899+/-0.006 χ^2/NDF: 2114755.7/20

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

+ sign 24.313+/-0.004 χ^2/NDF: 5208898.8/42

All: 24.203+/-0.003 χ^2/NDF: 10465555.4/86

- sign 24.093+/-0.004 χ^2/NDF: 5254764.4/43



Right In: 0.000+/-0.000 χ^2/NDF: 12.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:32.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.0/20

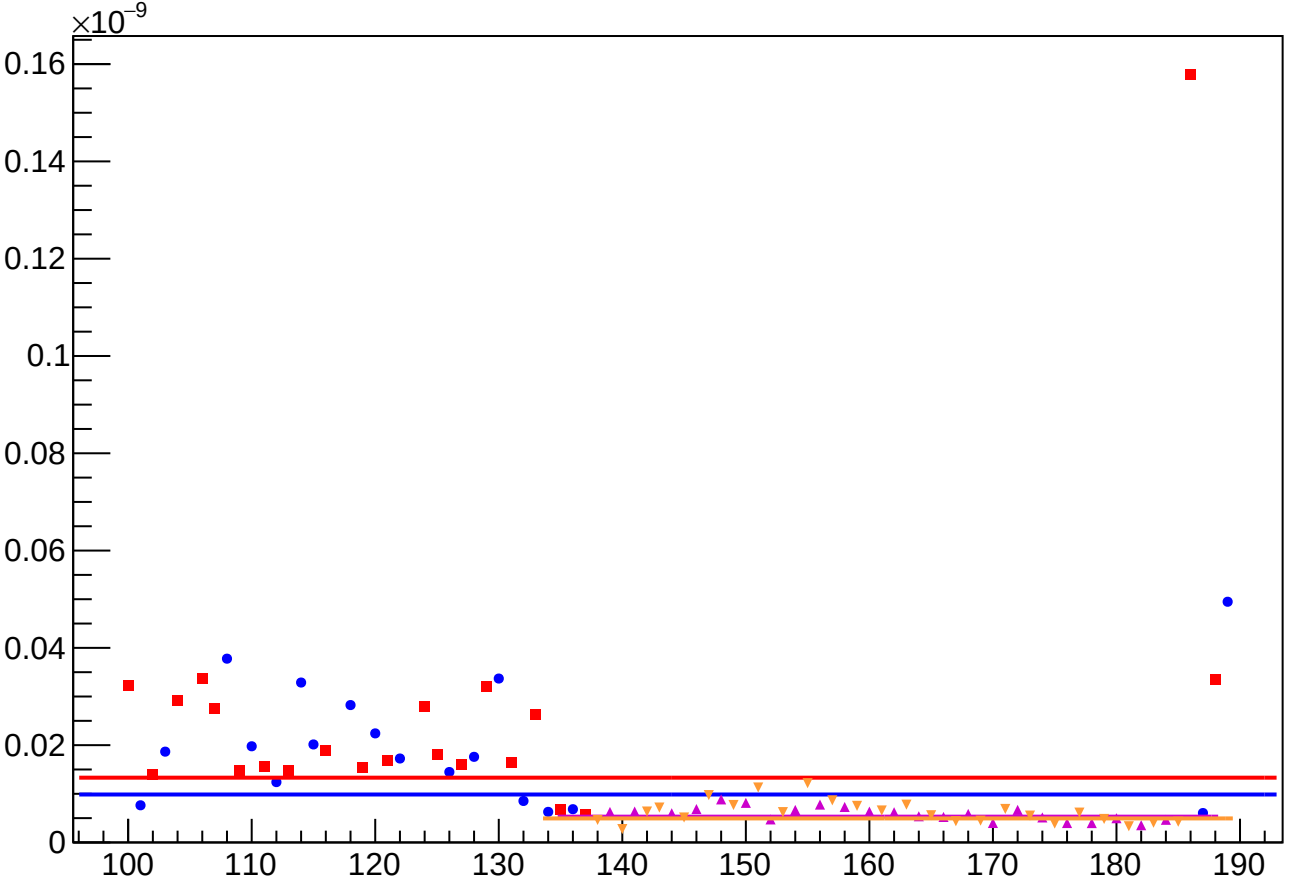
Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.7/42

All: -0.000+/-0.000 χ^2/NDF: 93.7/86

- sign -0.000+/-0.000 χ^2/NDF: 44.7/43

asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2335286.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:2747591.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2698062.2/20

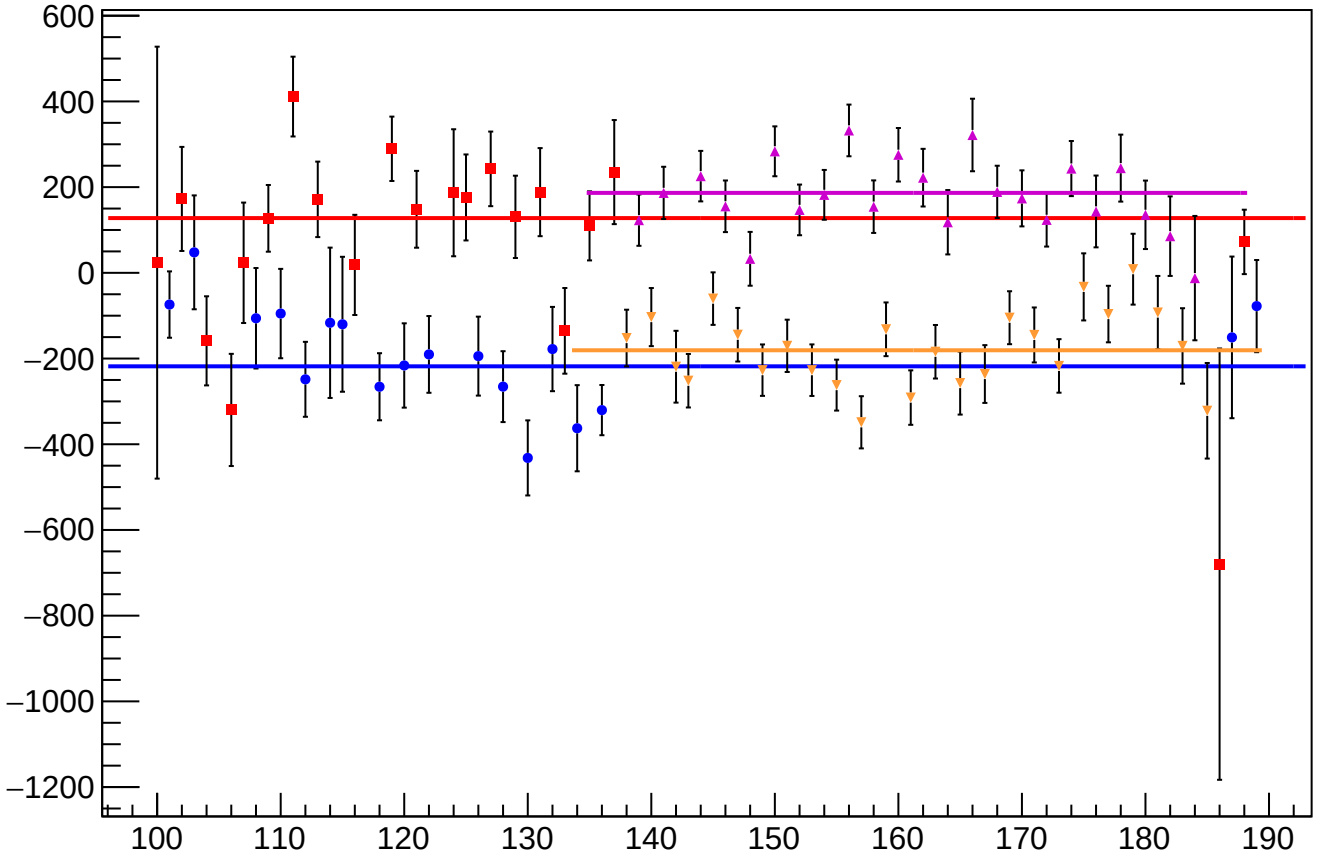
Left In: 0.000+/-0.000 χ^2/NDF:1247237.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 6499411.8/42

All: 0.000+/-0.000 χ^2/NDF: 13017440.8/86

- sign 0.000+/-0.000 χ^2/NDF: 6438647.1/43

reg_asym_sam8_mean vs Slug



Right In: -218.182+/-22.442 χ^2/NDF: 24.6/17

Left Out: -180.685+/-13.419 χ^2/NDF:38.6/24

Right Out: 127.754+/-22.139 χ^2/NDF: 48.5/20

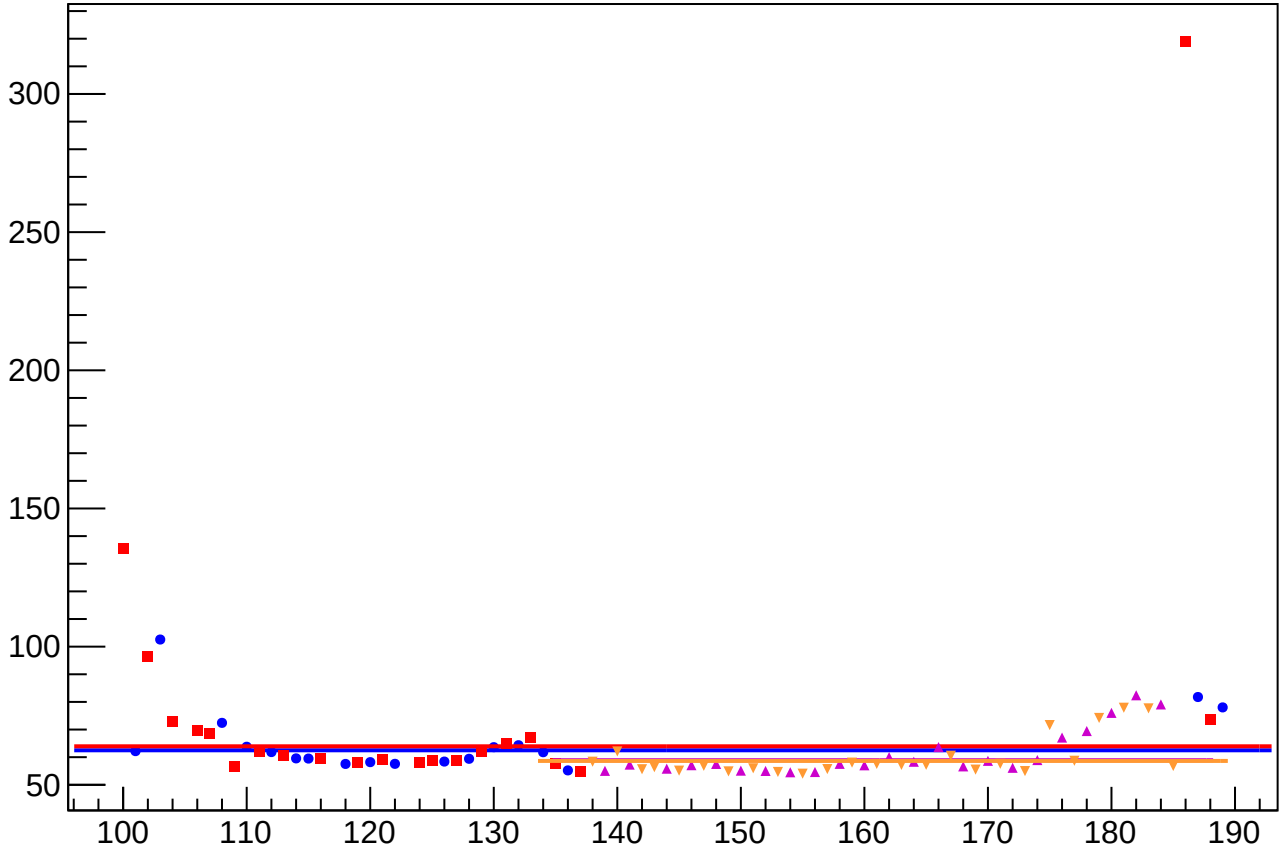
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -190.561+/-11.517 χ^2/NDF: 65.2/42

All: -13.853+/-8.224 χ^2/NDF: 628.1/86

- sign 170.007+/-11.748 χ^2/NDF: 82.5/43

reg_asym_sam8_rms vs Slug



Right In: 62.493+/-0.016 χ^2/NDF: 317006.3/17

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 63.937+/-0.016 χ^2/NDF: 835644.0/20

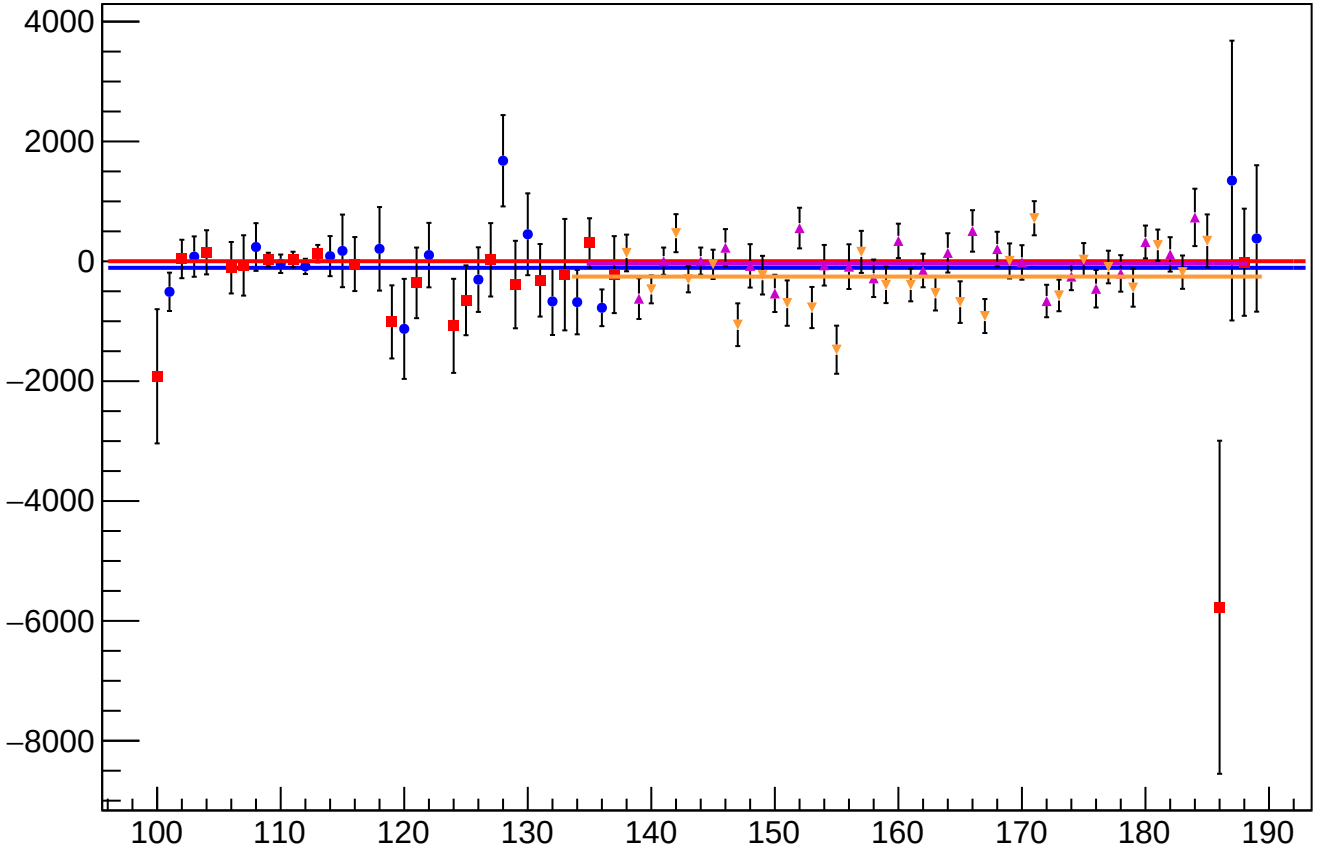
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 59.658+/-0.008 χ^2/NDF: 754221.4/42

All: 59.984+/-0.006 χ^2/NDF: 2054156.6/86

- sign 60.323+/-0.008 χ^2/NDF: 1296665.2/43

asym_sam8_reg_correction_mean vs Slug



Right In: -108.426+/-76.024 χ^2/NDF: 19.0/17

Left Out: -254.628+/-58.877 χ^2/NDF:57.6/24

Right Out: 1.750+/-63.753 χ^2/NDF: 16.0/20

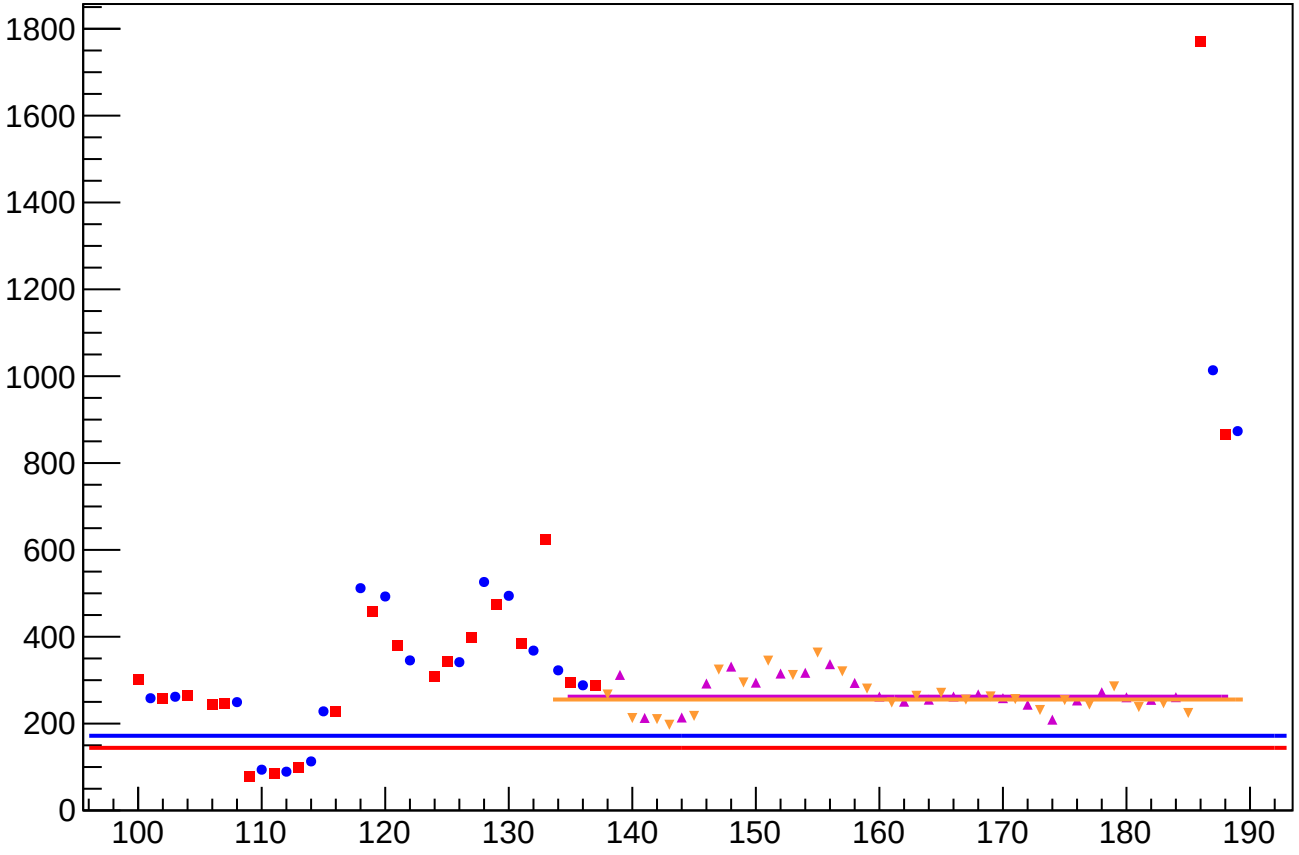
Left In: -39.147+/-61.883 χ^2/NDF:28.3/22

+ sign -199.816+/-46.549 χ^2/NDF: 79.0/42

All: -105.306+/-32.130 χ^2/NDF: 131.4/86

- sign -19.307+/-44.404 χ^2/NDF: 44.5/43

asym_sam8_reg_correction_rms vs Slug



Right In: 171.957+/-0.054 χ^2/NDF: 5468190.5/17

Left Out: 255.469+/-0.042 χ^2/NDF:863866.8/24

Right Out: 144.151+/-0.045 χ^2/NDF: 7156462.3/20

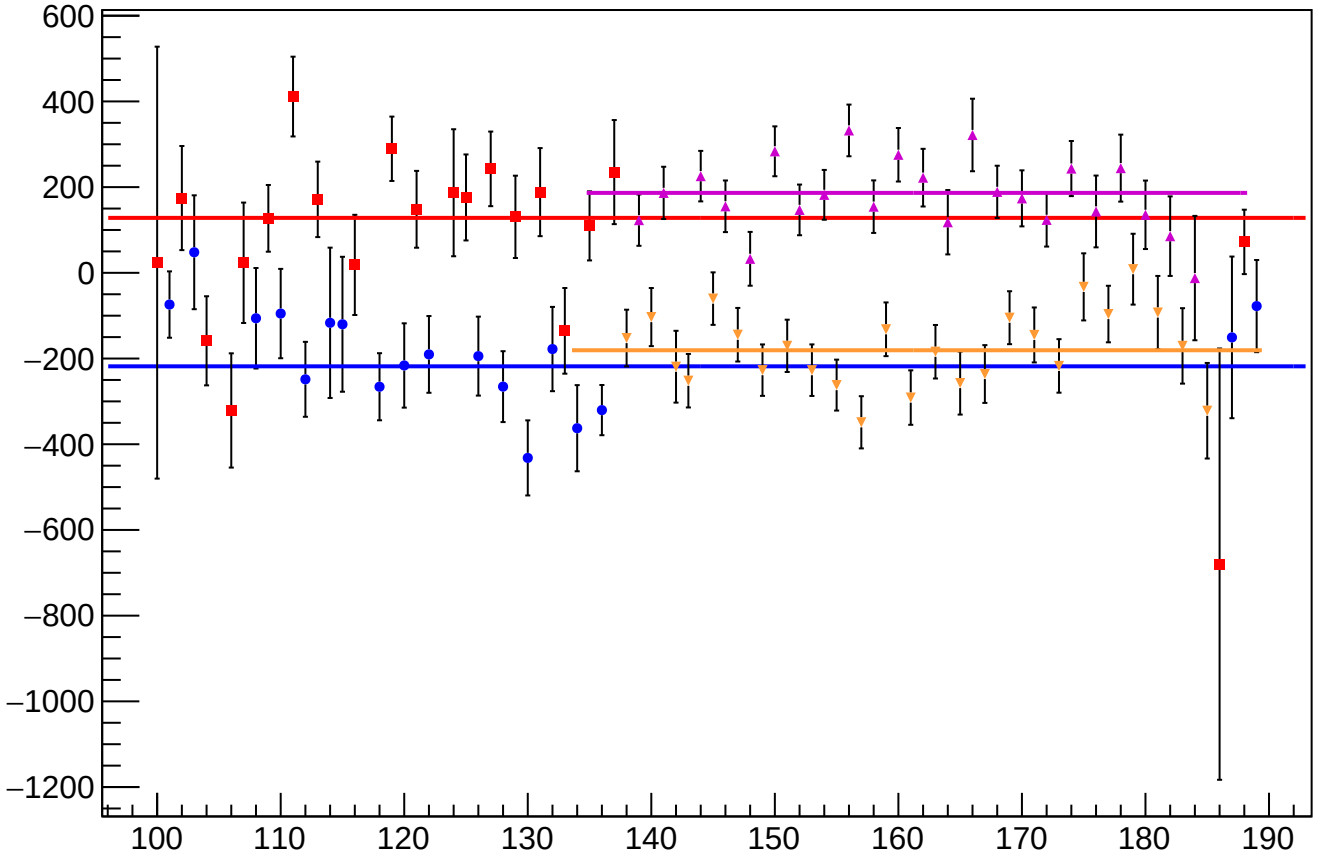
Left In: 262.007+/-0.044 χ^2/NDF:670576.2/22

+ sign 224.160+/-0.033 χ^2/NDF: 7840648.7/42

All: 214.041+/-0.023 χ^2/NDF: 19367359.6/86

- sign 204.833+/-0.031 χ^2/NDF: 11346199.4/43

cor_asym_sam8_mean vs Slug



Right In: -218.182+/-22.442 χ^2/NDF: 24.6/17

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: 128.248+/-22.151 χ^2/NDF: 48.1/20

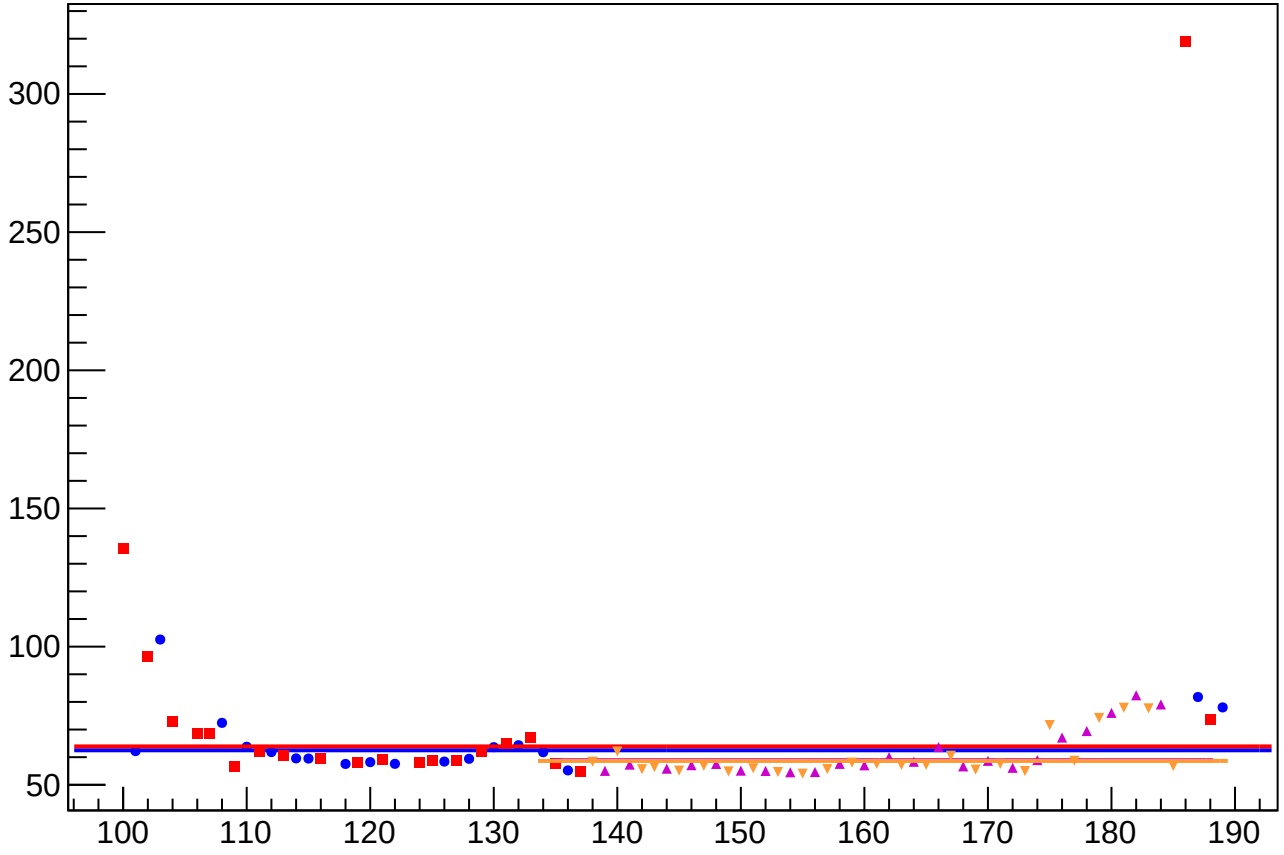
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -190.557+/-11.517 χ^2/NDF: 65.2/42

All: -13.804+/-8.225 χ^2/NDF: 628.0/86

- sign 170.159+/-11.749 χ^2/NDF: 82.1/43

cor_asym_sam8_rms vs Slug



Right In: 62.493+/-0.016 χ^2/NDF: 317008.8/17

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 63.900+/-0.016 χ^2/NDF: 834364.0/20

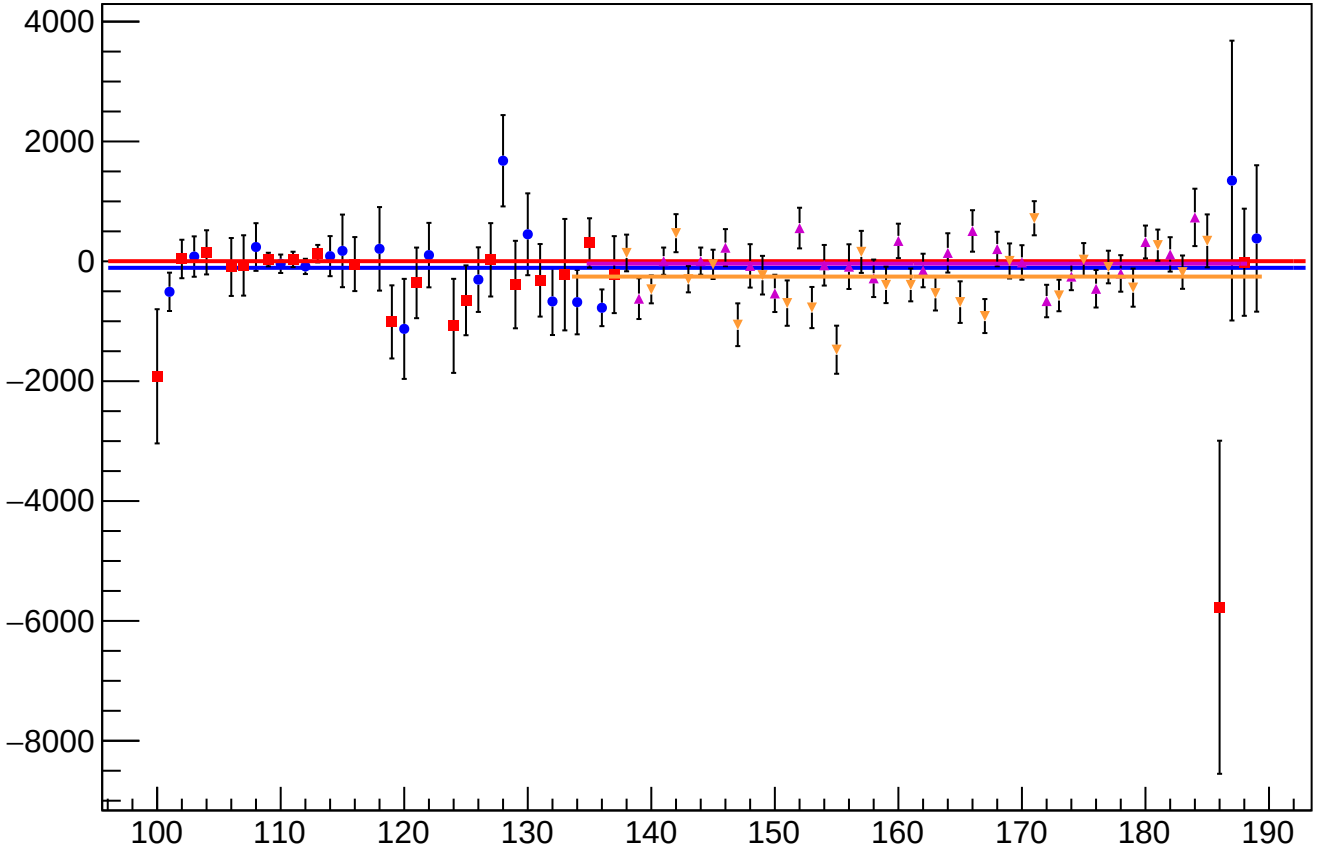
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 59.658+/-0.008 χ^2/NDF: 754224.0/42

All: 59.978+/-0.006 χ^2/NDF: 2051601.4/86

- sign 60.311+/-0.008 χ^2/NDF: 1294221.7/43

asym_sam8_cor_correction_mean vs Slug



Right In: -108.408+/-76.025 χ^2/NDF: 19.0/17

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: 2.454+/-63.904 χ^2/NDF: 15.9/20

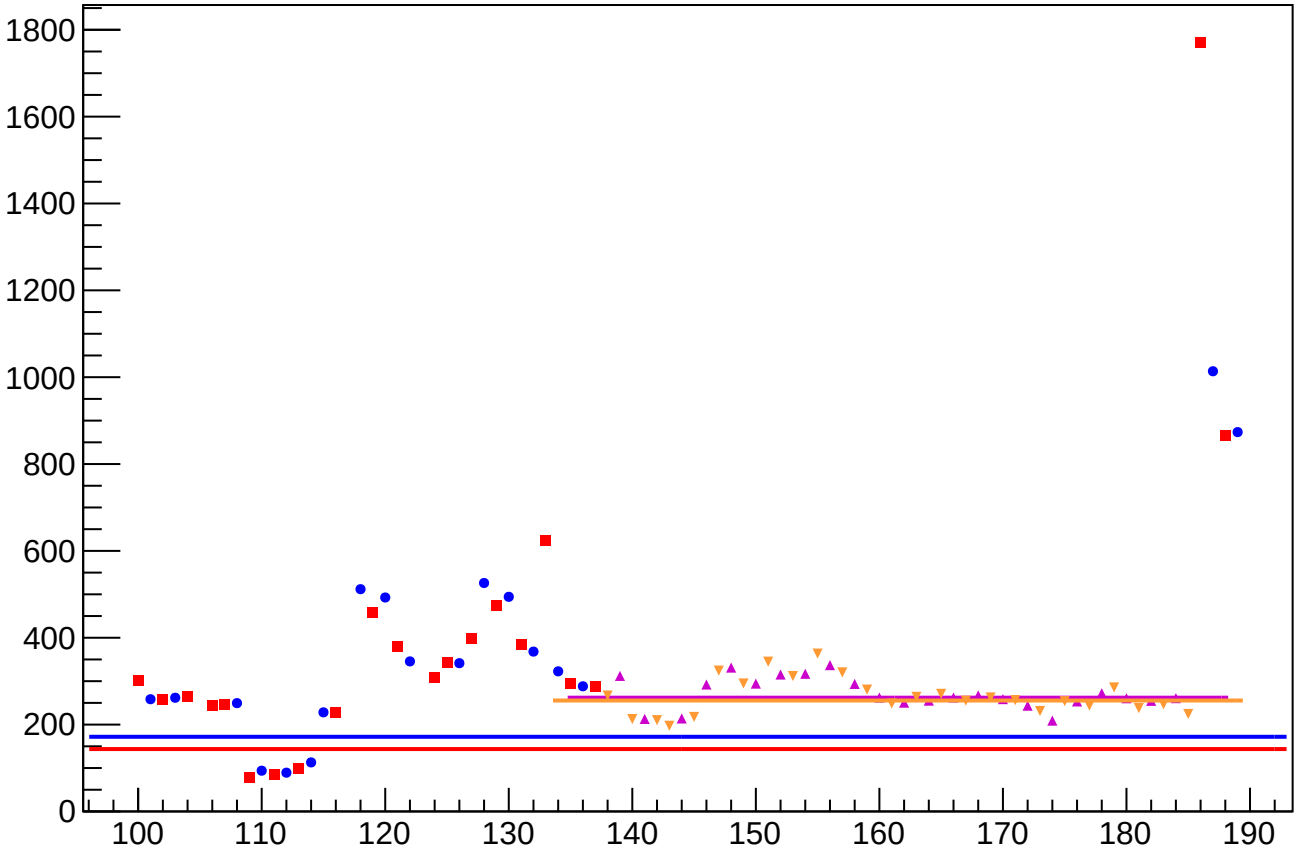
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -199.807+/-46.549 χ^2/NDF: 79.0/42

All: -105.252+/-32.149 χ^2/NDF: 131.4/86

- sign -19.013+/-44.455 χ^2/NDF: 44.5/43

asym_sam8_cor_correction_rms vs Slug



Right In: 171.957+/-0.054 χ^2/NDF: 5468243.7/17

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 143.687+/-0.045 χ^2/NDF: 7134452.2/20

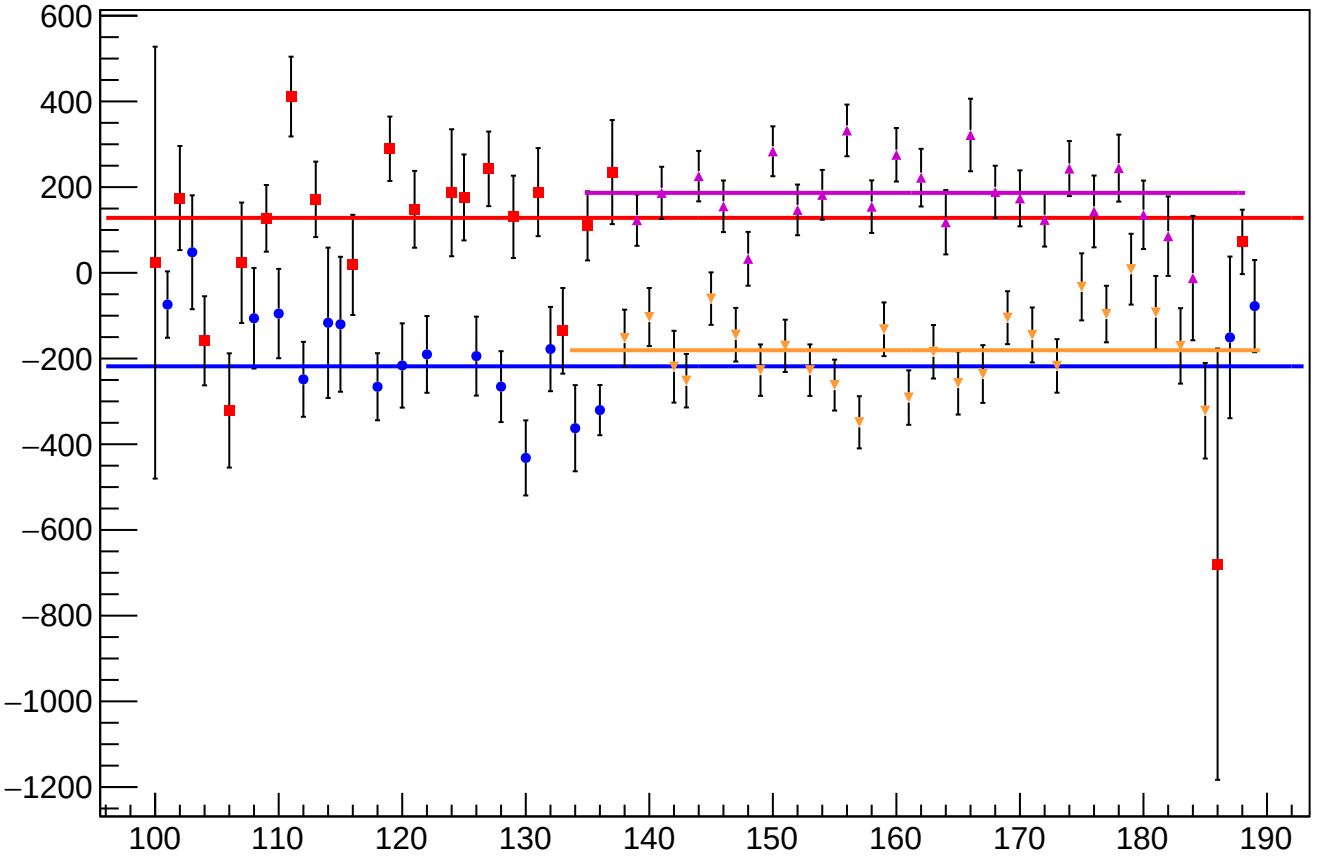
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 224.160+/-0.033 χ^2/NDF: 7840676.7/42

All: 214.007+/-0.023 χ^2/NDF: 19365943.2/86

- sign 204.747+/-0.031 χ^2/NDF: 11343347.1/43

eigen_cor_asym_sam8_mean vs Slug



Right In: -218.182+/-22.442 χ^2/NDF: 24.6/17

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: 128.248+/-22.151 χ^2/NDF: 48.1/20

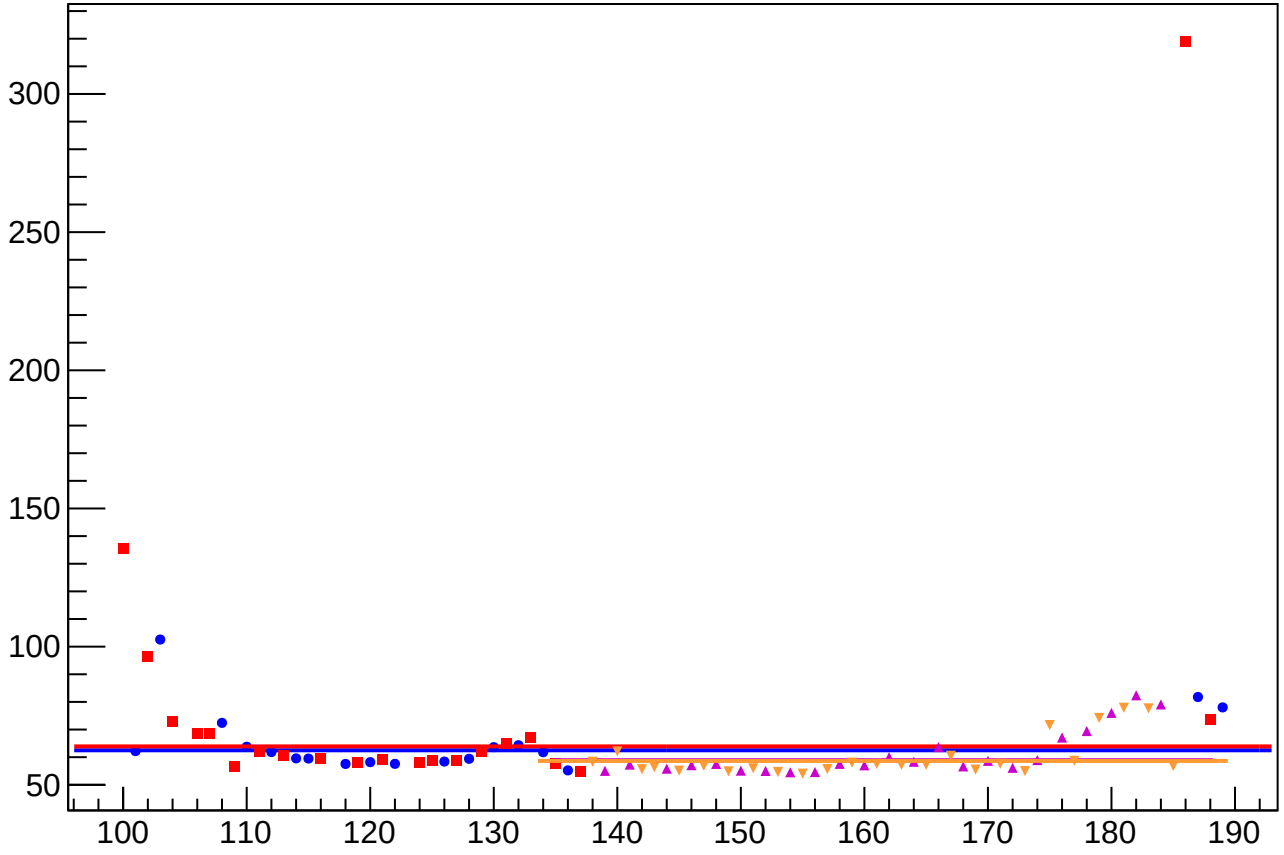
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -190.557+/-11.517 χ^2/NDF: 65.2/42

All: -13.804+/-8.225 χ^2/NDF: 628.0/86

- sign 170.159+/-11.749 χ^2/NDF: 82.1/43

eigen_cor_asym_sam8_rms vs Slug



Right In: 62.493+/-0.016 χ^2/NDF: 317008.8/17

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 63.900+/-0.016 χ^2/NDF: 834364.0/20

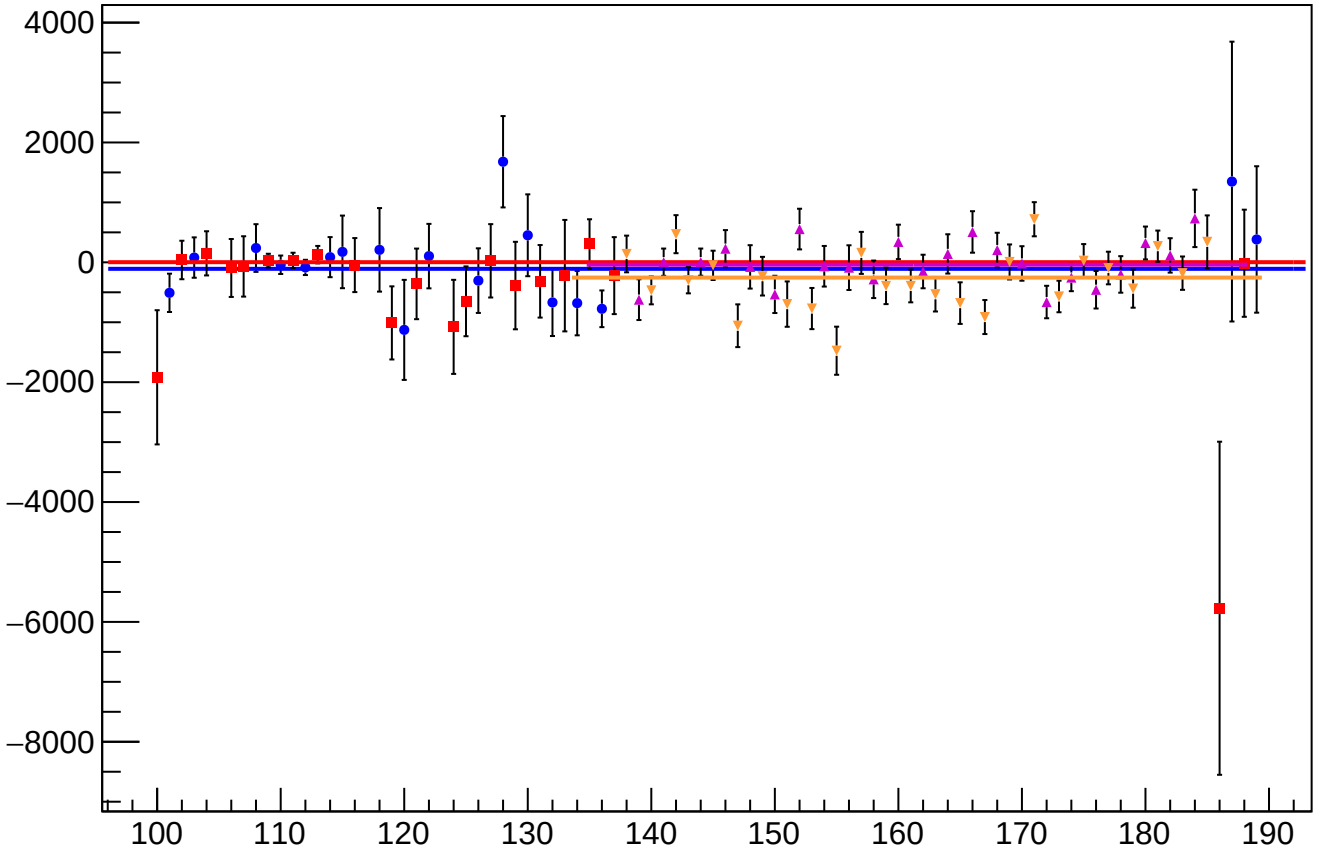
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 59.658+/-0.008 χ^2/NDF: 754224.0/42

All: 59.978+/-0.006 χ^2/NDF: 2051601.4/86

- sign 60.311+/-0.008 χ^2/NDF: 1294221.7/43

asym_sam8_eigen_cor_correction_mean vs Slug



Right In: -108.408+/-76.025 χ^2/NDF: 19.0/17

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: 2.454+/-63.904 χ^2/NDF: 15.9/20

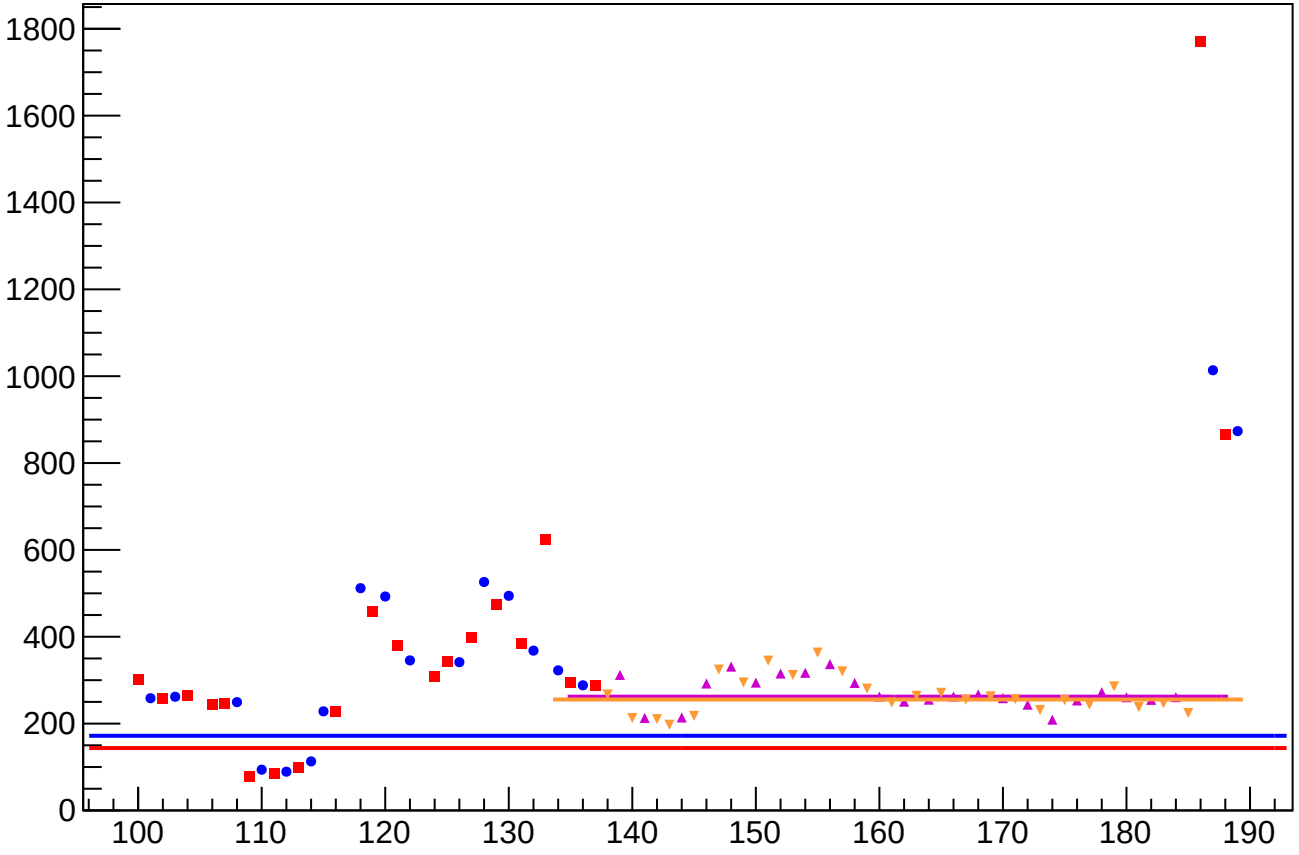
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -199.807+/-46.549 χ^2/NDF: 79.0/42

All: -105.252+/-32.149 χ^2/NDF: 131.4/86

- sign -19.013+/-44.455 χ^2/NDF: 44.5/43

asym_sam8_eigen_cor_correction_rms vs Slug



Right In: 171.957+/-0.054 χ^2/NDF: 5468243.7/17

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 143.687+/-0.045 χ^2/NDF: 7134452.2/20

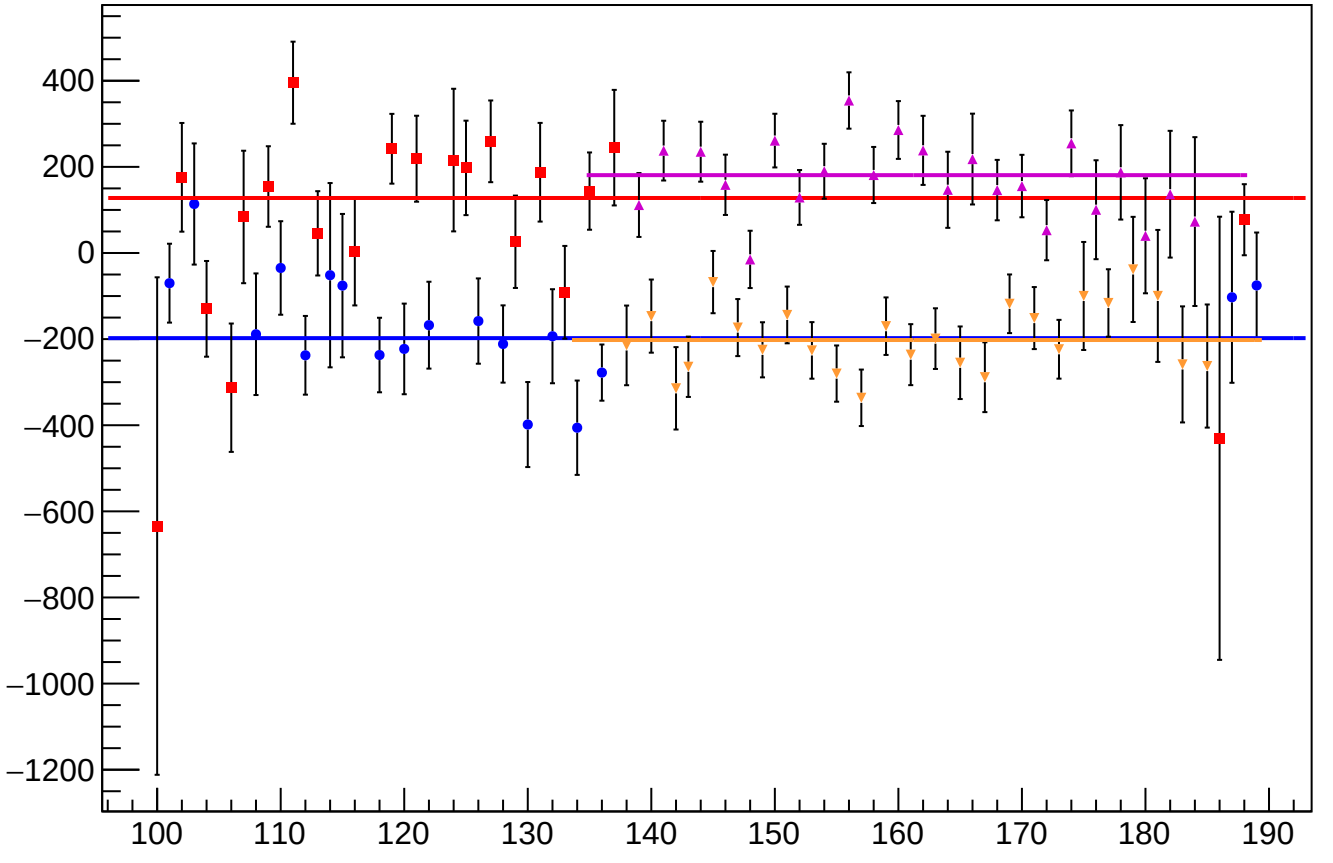
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 224.160+/-0.033 χ^2/NDF: 7840676.7/42

All: 214.007+/-0.023 χ^2/NDF: 19365943.2/86

- sign 204.747+/-0.031 χ^2/NDF: 11343347.1/43

dit_asym_sam8_mean vs Slug



Right In: -197.729+/-24.795 χ^2/NDF: 21.3/17

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: 127.741+/-24.322 χ^2/NDF: 38.8/20

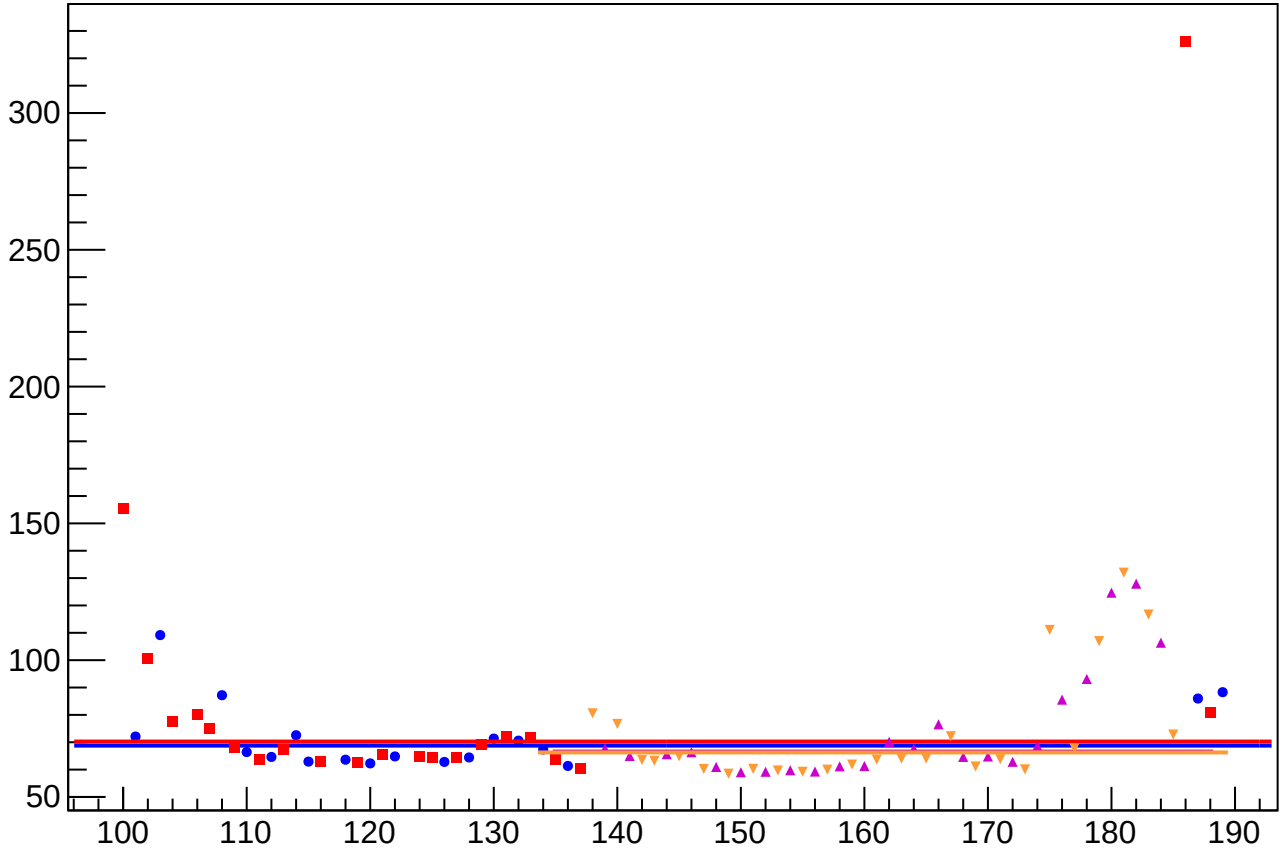
Left In: 180.784+/-16.019 χ^2/NDF:30.1/22

+ sign -200.861+/-13.166 χ^2/NDF: 42.8/42

All: -20.978+/-9.384 χ^2/NDF: 494.5/86

- sign 164.736+/-13.378 χ^2/NDF: 72.3/43

dit_asym_sam8_rms vs Slug



Right In: 68.774+/-0.018 χ^2/NDF: 333058.4/17

Left Out: 66.279+/-0.011 χ^2/NDF:1393879.2/24

Right Out: 70.255+/-0.017 χ^2/NDF: 783167.6/20

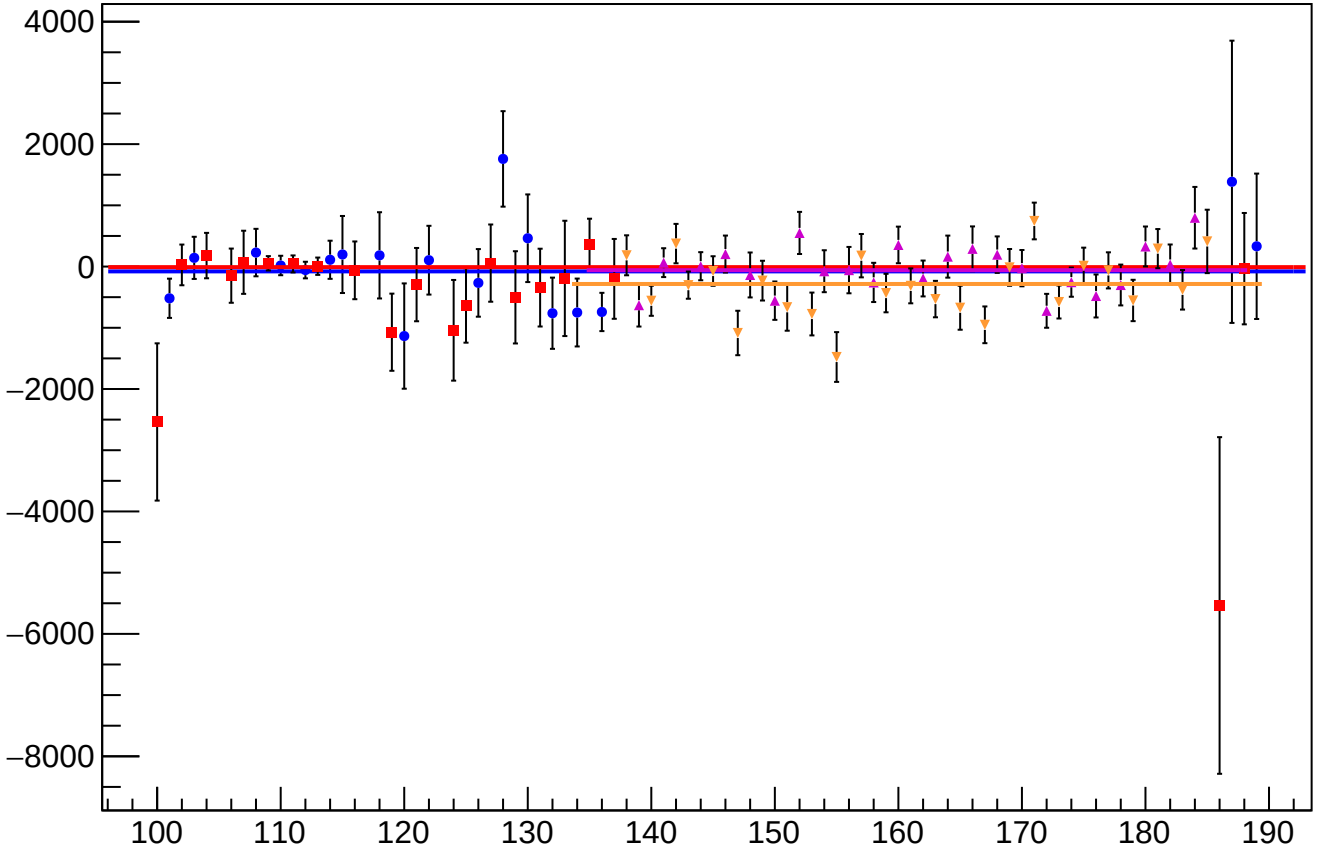
Left In: 66.585+/-0.011 χ^2/NDF:1158238.0/22

+ sign 66.982+/-0.009 χ^2/NDF: 1741477.6/42

All: 67.333+/-0.007 χ^2/NDF: 3717524.3/86

- sign 67.696+/-0.009 χ^2/NDF: 1973159.8/43

asym_sam8_dit_correction_mean vs Slug



Right In: -78.724+/-78.458 χ^2/NDF: 19.7/17

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: -9.369+/-65.719 χ^2/NDF: 16.1/20

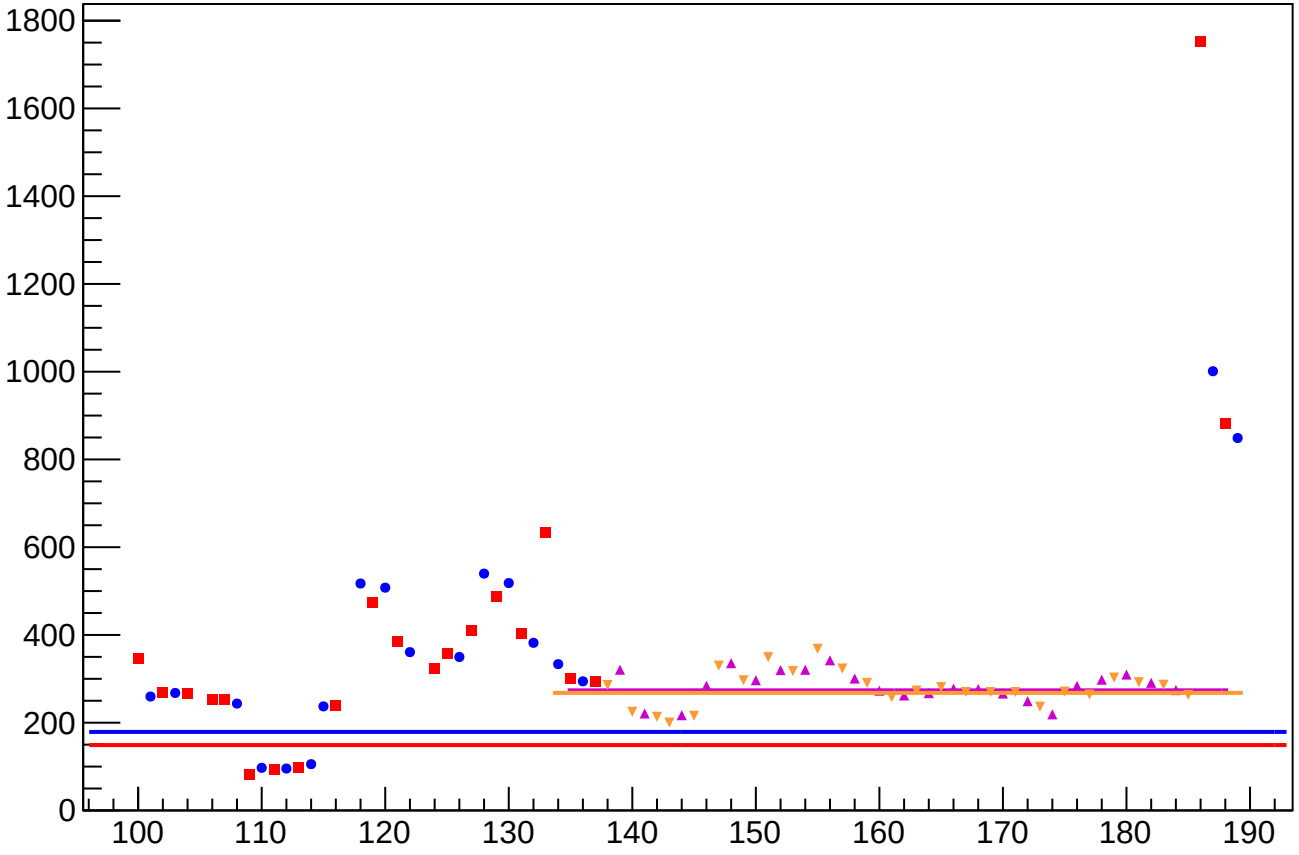
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -205.795+/-48.513 χ^2/NDF: 78.6/42

All: -115.844+/-33.412 χ^2/NDF: 128.4/86

- sign -34.678+/-46.083 χ^2/NDF: 43.2/43

asym_sam8_dit_correction_rms vs Slug



Right In: 178.997+/-0.055 χ^2/NDF: 5324680.3/17

Left Out: 267.985+/-0.044 χ^2/NDF:862786.9/24

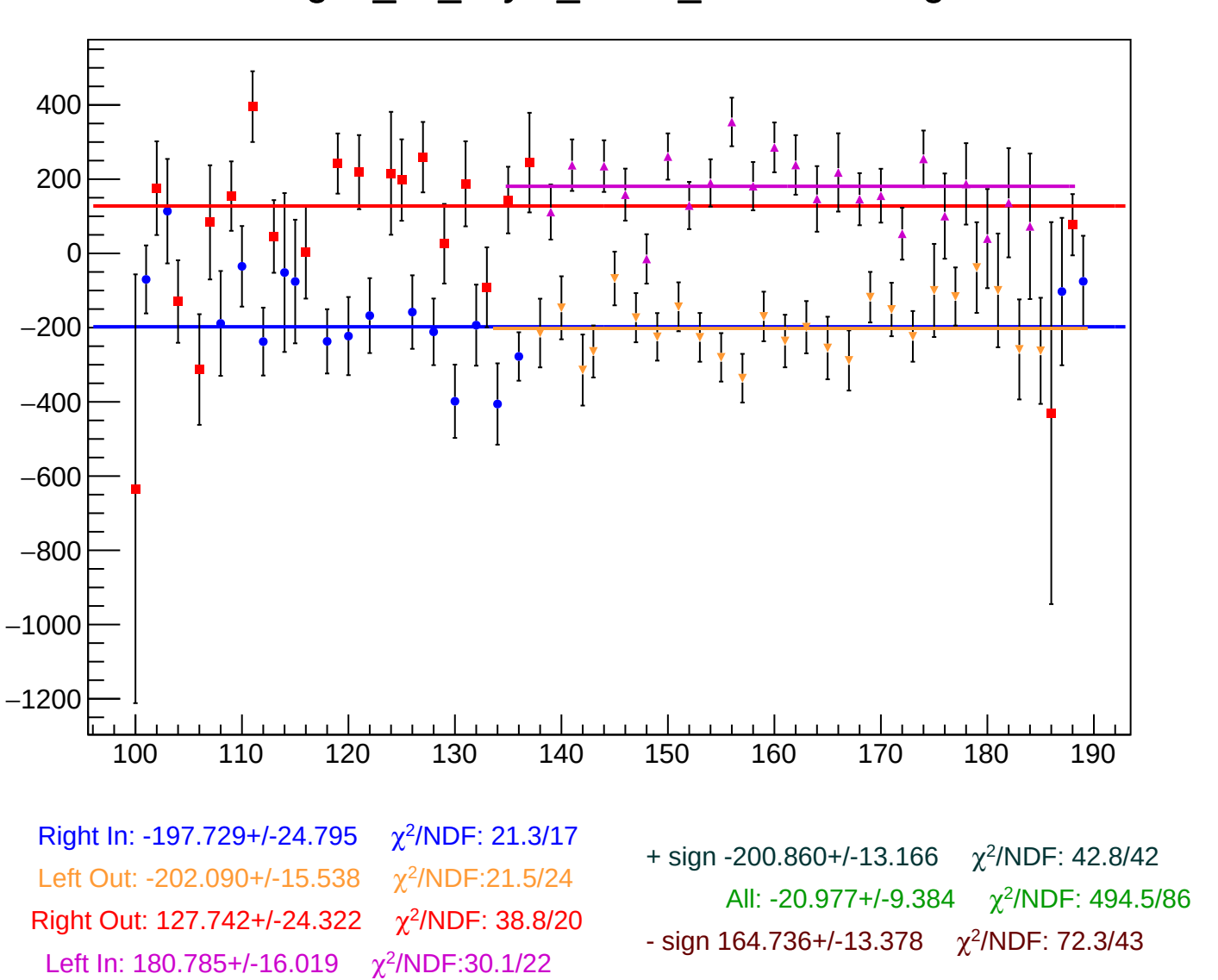
Right Out: 149.050+/-0.046 χ^2/NDF: 7124115.5/20

Left In: 273.751+/-0.046 χ^2/NDF:650295.5/22

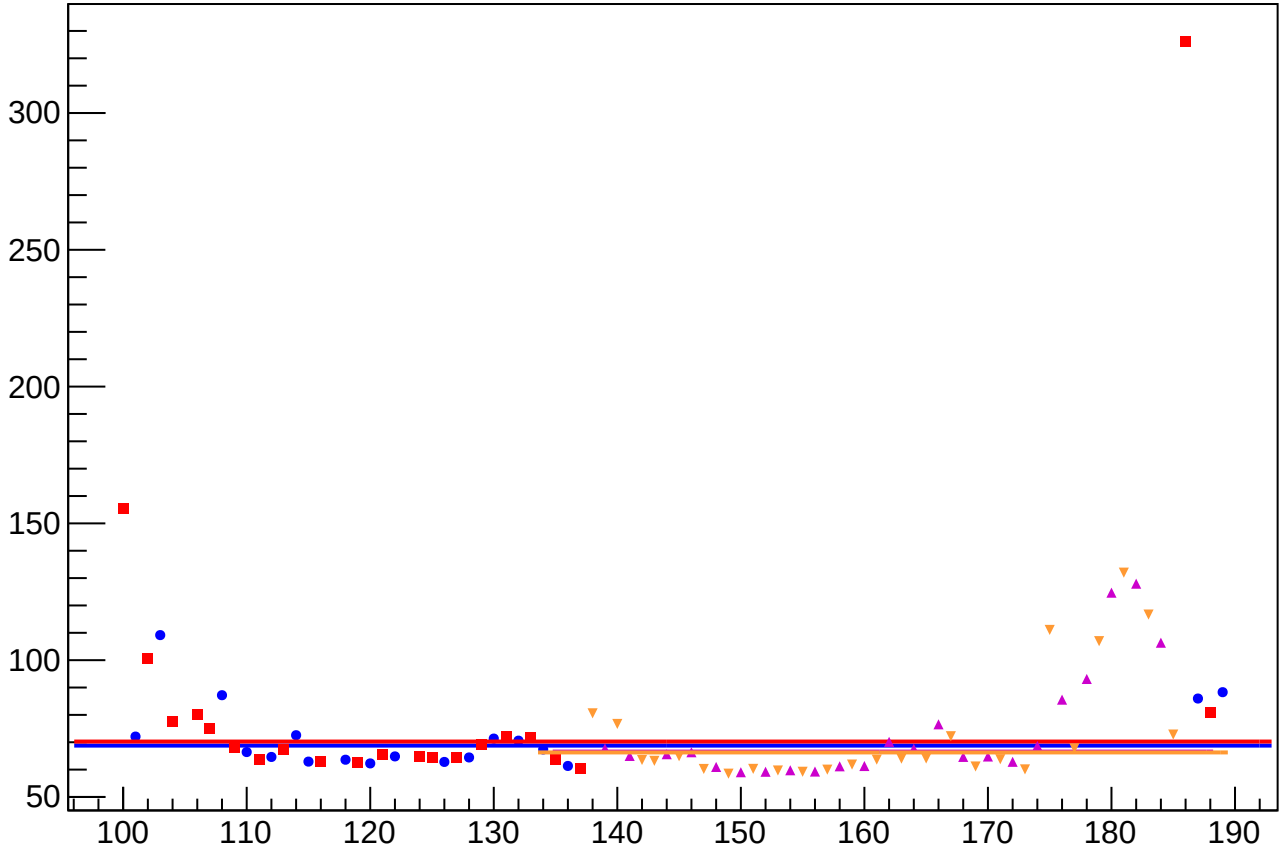
+ sign 233.963+/-0.034 χ^2/NDF: 7776656.1/42

All: 222.647+/-0.024 χ^2/NDF: 19418339.4/86

- sign 212.436+/-0.033 χ^2/NDF: 11434673.8/43


eigen_dit_asym_sam8_mean vs Slug
400
200
0
−200
−400
−600
−800
−1000
−1200
100
110
120
130
140
150
160
170
180
190
Right In: -197.729+/-24.795 χ²/NDF: 21.3/17
Left Out: -202.090+/-15.538 χ²/NDF:21.5/24
Right Out: 127.742+/-24.322 χ²/NDF: 38.8/20
Left In: 180.785+/-16.019 χ²/NDF:30.1/22
+ sign -200.860+/-13.166 χ²/NDF: 42.8/42
All: -20.977+/-9.384 χ²/NDF: 494.5/86
- sign 164.736+/-13.378 χ²/NDF: 72.3/43

eigen_dit_asym_sam8_rms vs Slug



Right In: 68.774+/-0.018 χ^2/NDF: 333061.1/17

Left Out: 66.279+/-0.011 χ^2/NDF:1393881.3/24

Right Out: 70.255+/-0.017 χ^2/NDF: 783169.3/20

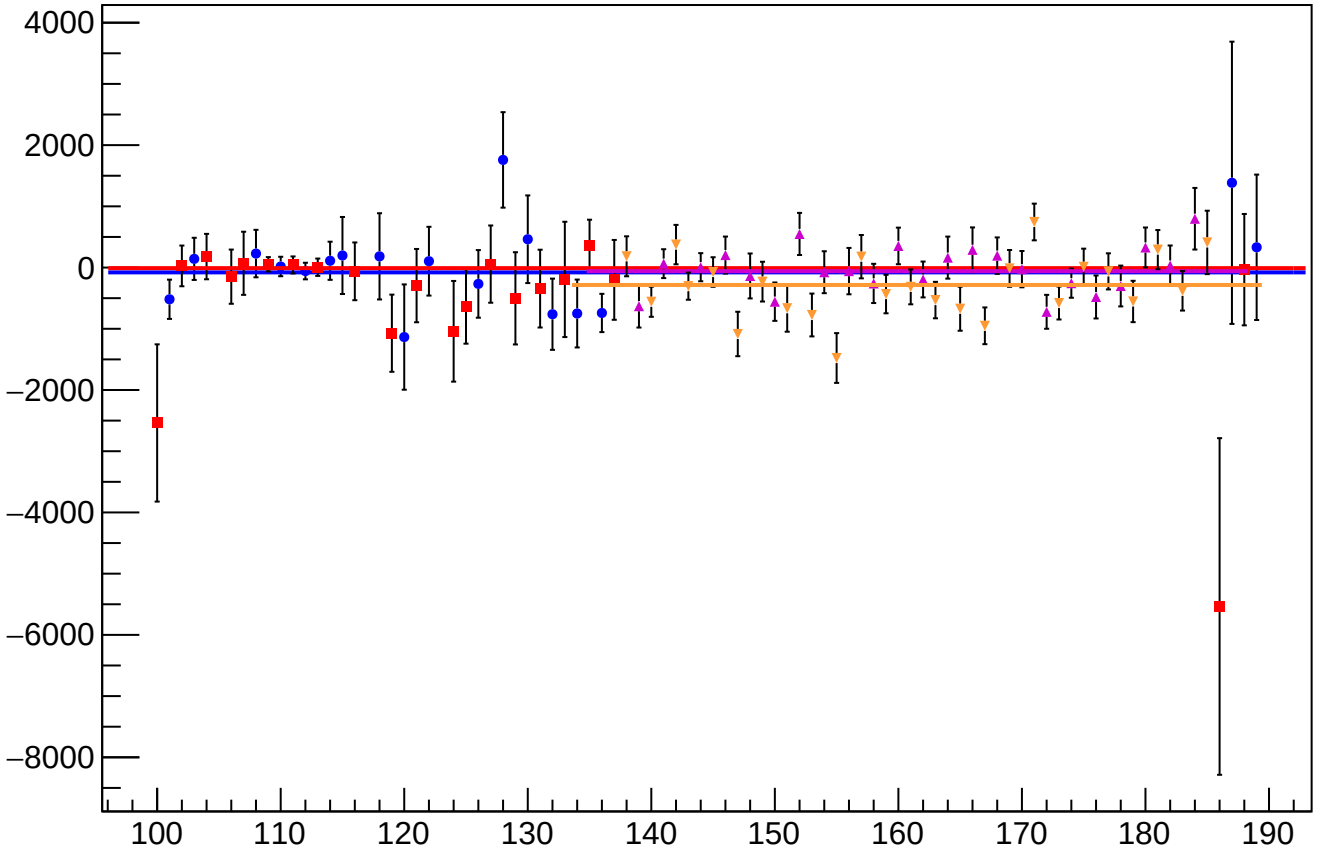
Left In: 66.585+/-0.011 χ^2/NDF:1158231.7/22

+ sign 66.982+/-0.009 χ^2/NDF: 1741480.3/42

All: 67.333+/-0.007 χ^2/NDF: 3717517.9/86

- sign 67.696+/-0.009 χ^2/NDF: 1973150.7/43

asym_sam8_eigen_dit_correction_mean vs Slug



Right In: -78.722+/-78.458 χ^2/NDF: 19.7/17

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: -9.368+/-65.719 χ^2/NDF: 16.1/20

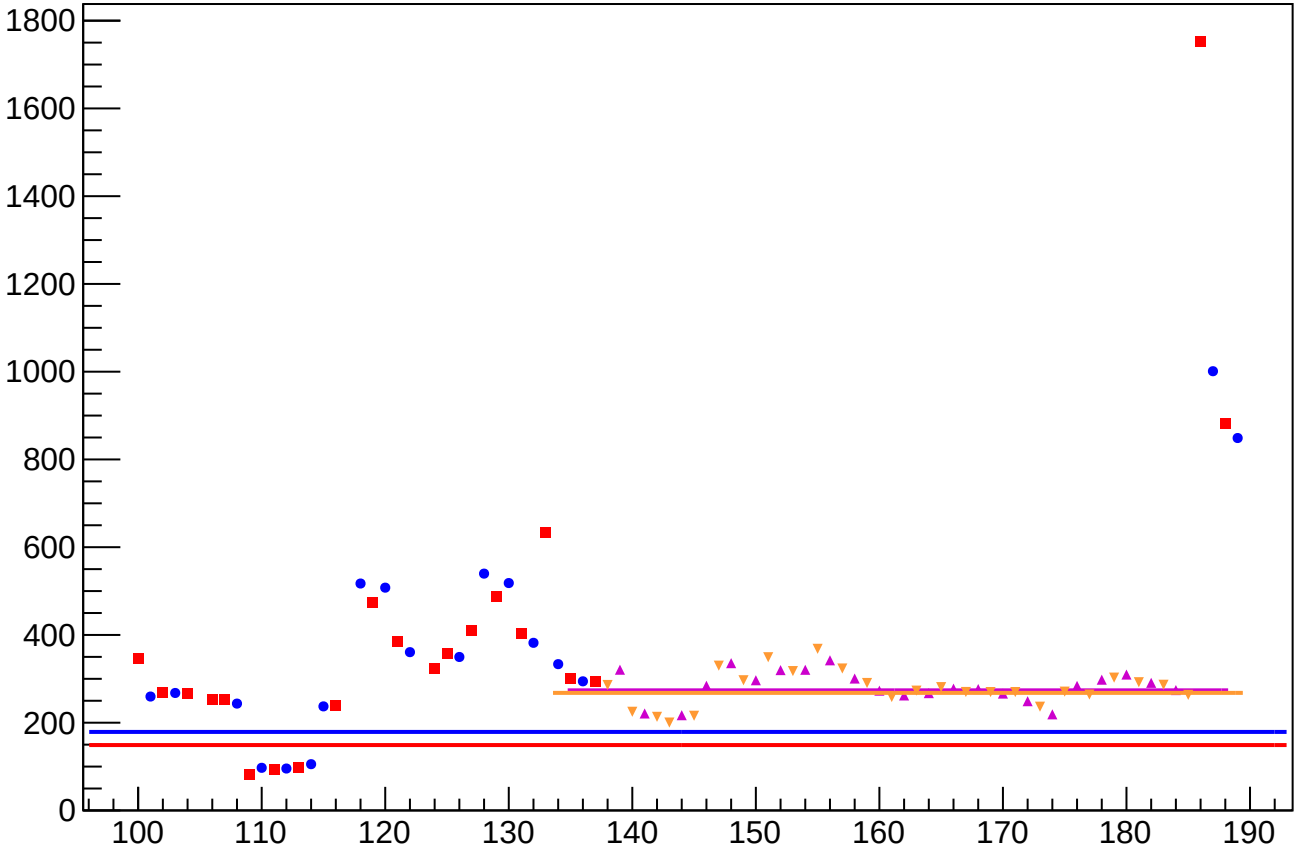
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -205.794+/-48.513 χ^2/NDF: 78.6/42

All: -115.843+/-33.411 χ^2/NDF: 128.4/86

- sign -34.678+/-46.083 χ^2/NDF: 43.2/43

asym_sam8_eigen_dit_correction_rms vs Slug



Right In: 178.996+/-0.055 χ^2/NDF: 5324704.1/17

Left Out: 267.985+/-0.044 χ^2/NDF:862797.1/24

Right Out: 149.049+/-0.046 χ^2/NDF: 7124094.9/20

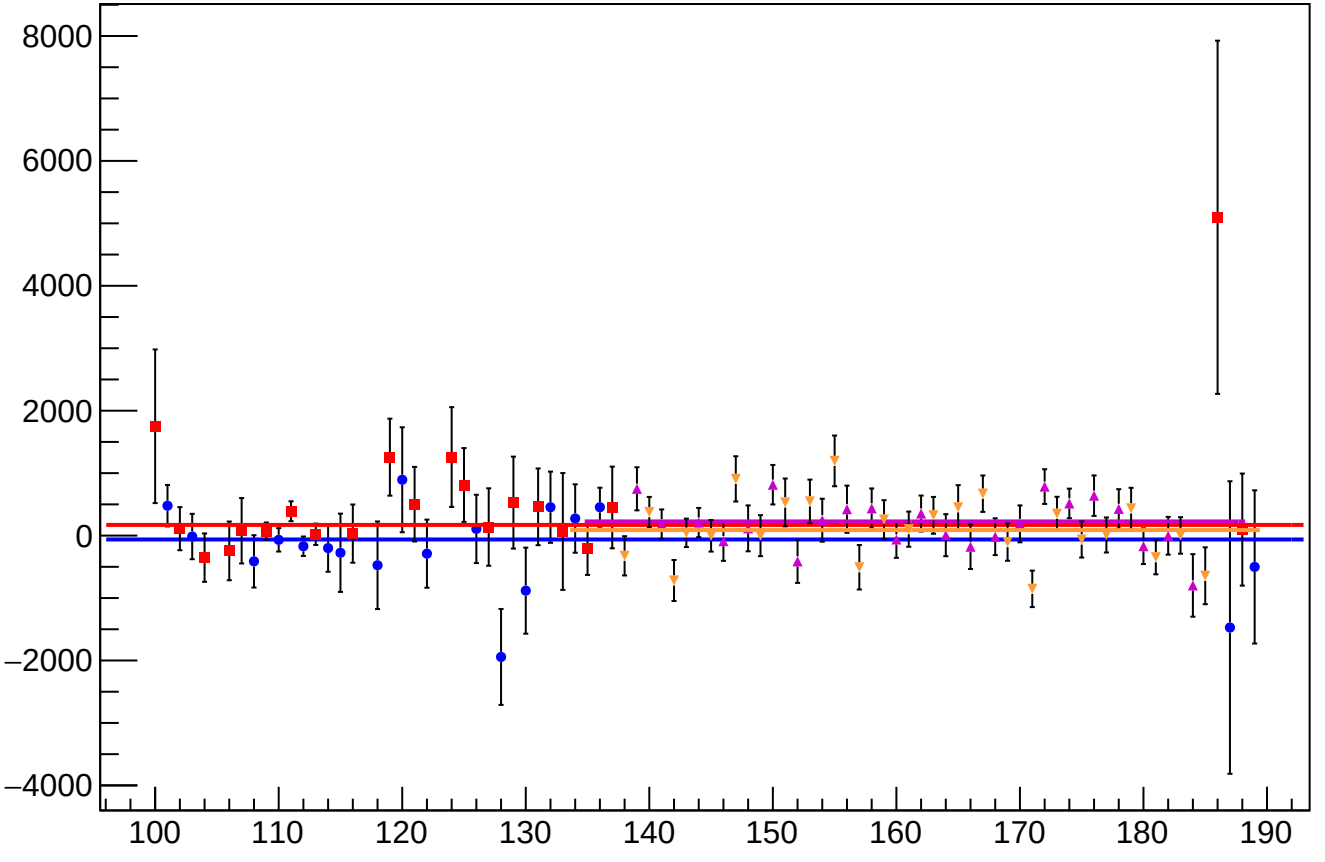
Left In: 273.750+/-0.046 χ^2/NDF:650300.9/22

+ sign 233.961+/-0.034 χ^2/NDF: 7776722.6/42

All: 222.646+/-0.024 χ^2/NDF: 19418364.3/86

- sign 212.435+/-0.033 χ^2/NDF: 11434643.2/43

asym_sam8_mean vs Slug



Right In: -62.116+/-86.614 χ^2/NDF: 17.9/17

Left Out: 88.397+/-60.666 χ^2/NDF:52.2/24

Right Out: 171.231+/-74.316 χ^2/NDF: 18.5/20

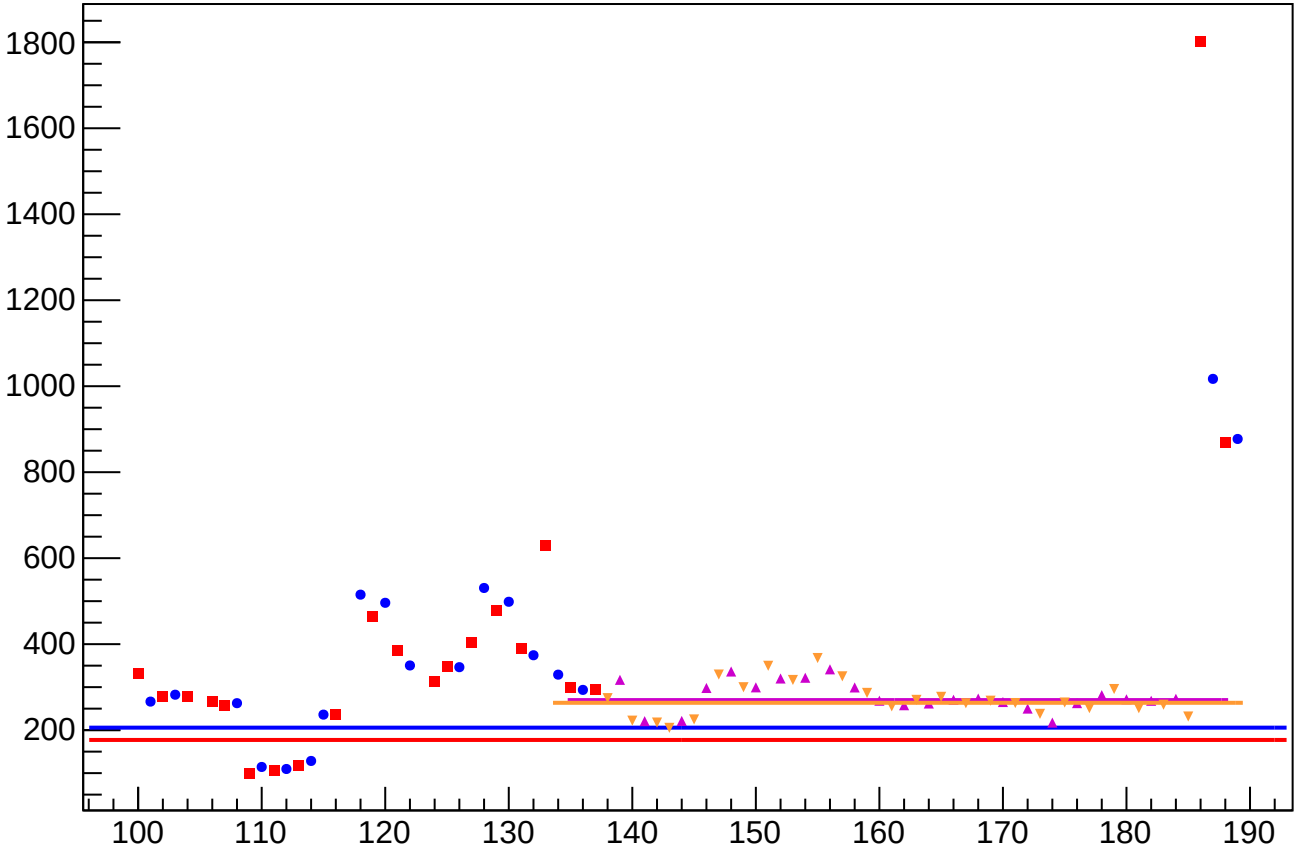
Left In: 226.867+/-63.677 χ^2/NDF:28.8/22

+ sign 38.860+/-49.690 χ^2/NDF: 72.1/42

All: 123.326+/-34.654 χ^2/NDF: 125.4/86

- sign 203.313+/-48.354 χ^2/NDF: 47.7/43

asym_sam8_rms vs Slug



Right In: 205.787+/-0.061 χ^2/NDF: 4416775.0/17

Left Out: 263.593+/-0.043 χ^2/NDF:779853.4/24

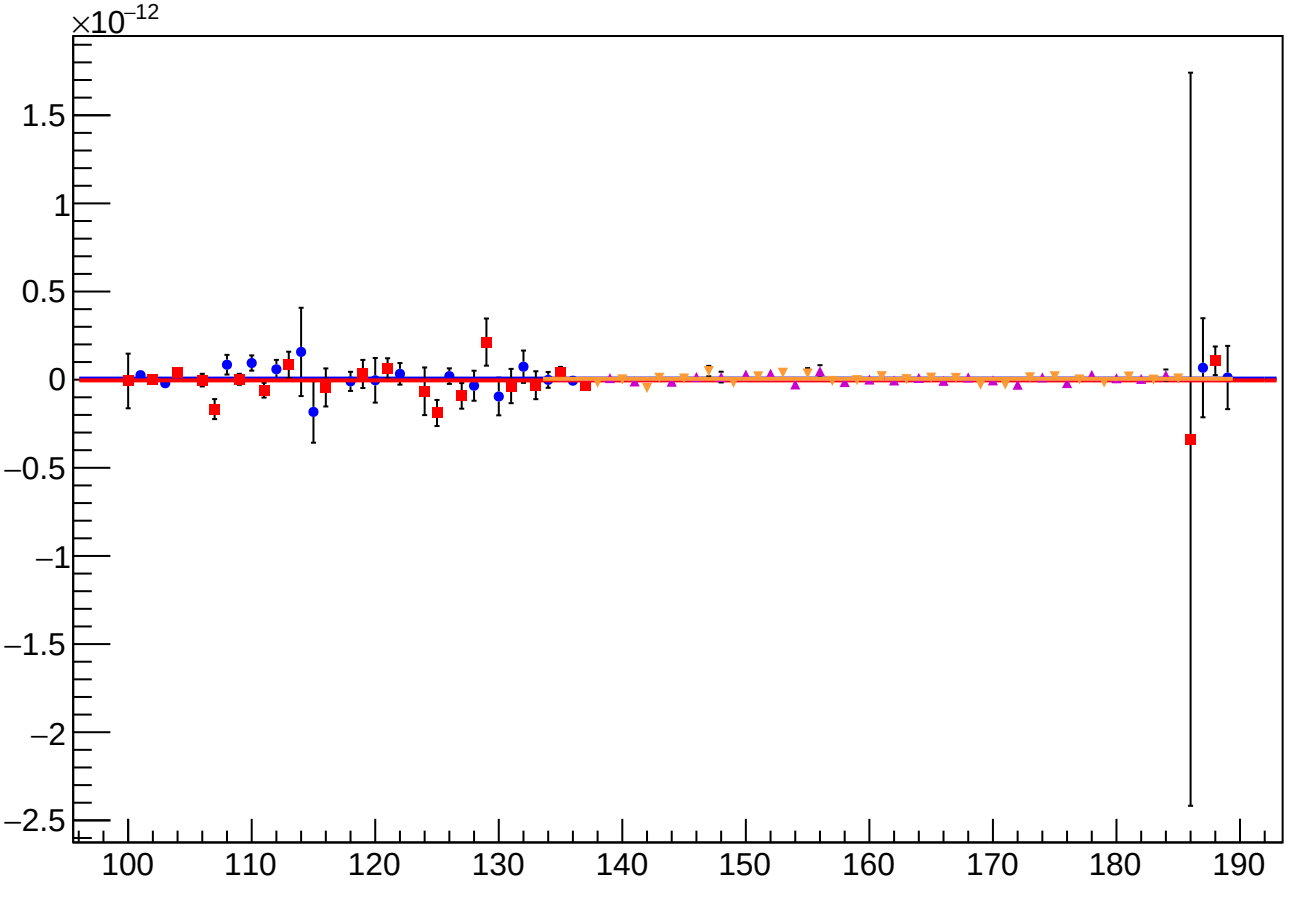
Right Out: 177.173+/-0.053 χ^2/NDF: 6058337.5/20

Left In: 269.898+/-0.045 χ^2/NDF:602244.3/22

+ sign 244.567+/-0.035 χ^2/NDF: 5794271.2/42

All: 237.415+/-0.025 χ^2/NDF: 14330956.2/86

- sign 230.642+/-0.034 χ^2/NDF: 8456004.0/43



Right In: 0.000+/-0.000 χ^2/NDF: 13.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:27.9/24

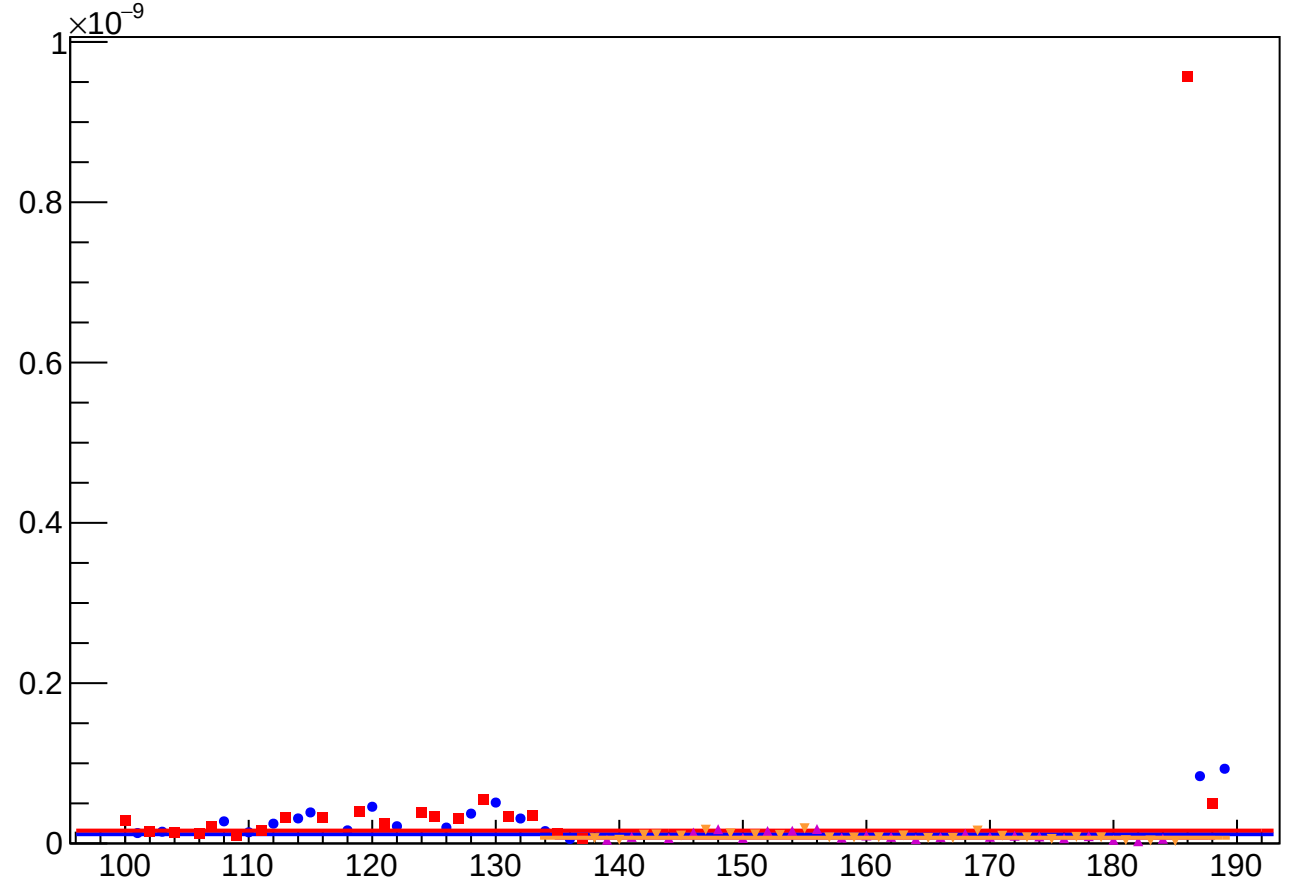
Right Out: -0.000+/-0.000 χ^2/NDF: 32.4/20

Left In: 0.000+/-0.000 χ^2/NDF:21.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.8/42

All: 0.000+/-0.000 χ^2/NDF: 96.6/86

- sign 0.000+/-0.000 χ^2/NDF: 54.4/43



Right In: 0.000+/-0.000 χ^2/NDF: 2337368.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:1952087.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2212465.8/20

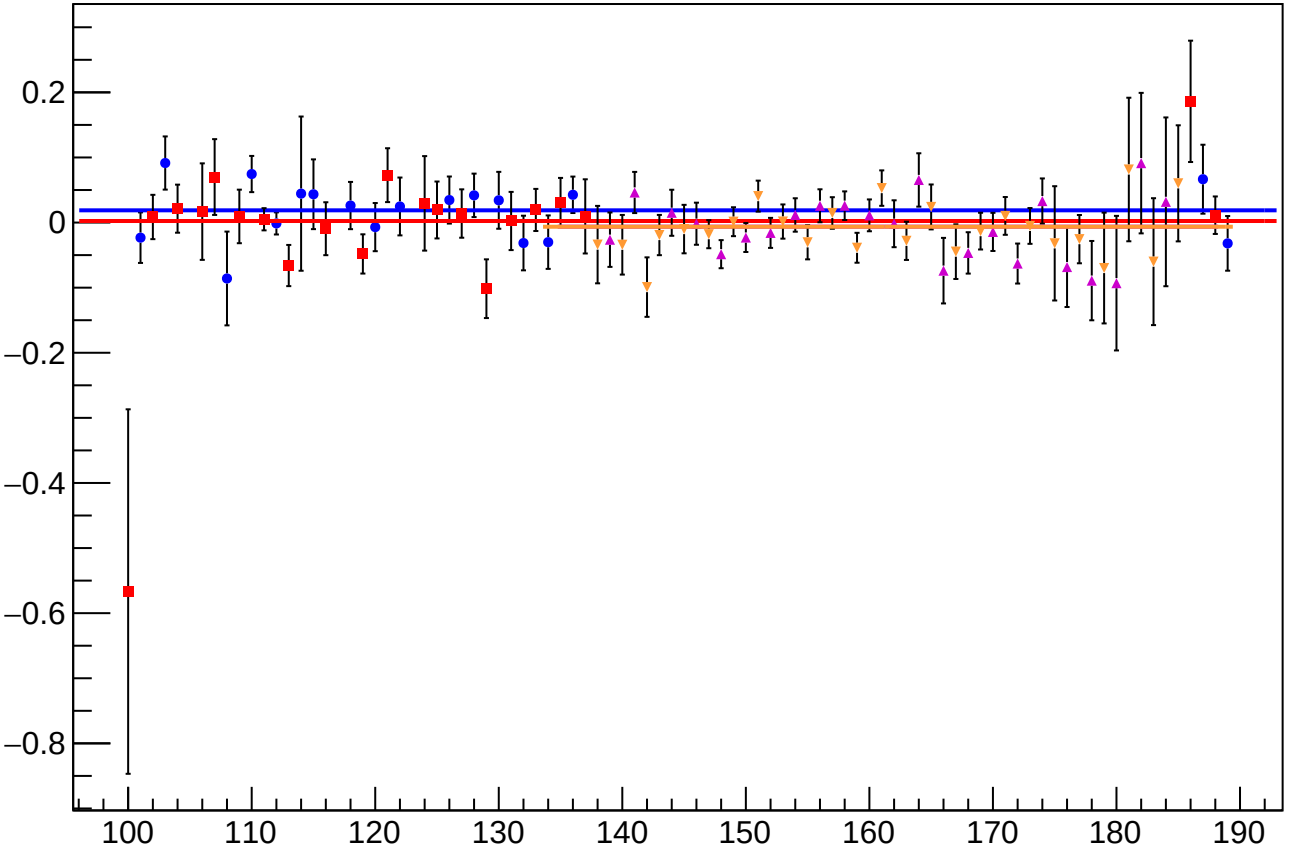
Left In: 0.000+/-0.000 χ^2/NDF:2053049.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 4790971.3/42

All: 0.000+/-0.000 χ^2/NDF: 10486988.1/86

- sign 0.000+/-0.000 χ^2/NDF: 5690833.4/43

asym_sam8_dit_vs_cor_diff_mean vs Slug



Right In: 0.019+/-0.008 χ^2/NDF: 19.3/17

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.002+/-0.008 χ^2/NDF: 26.9/20

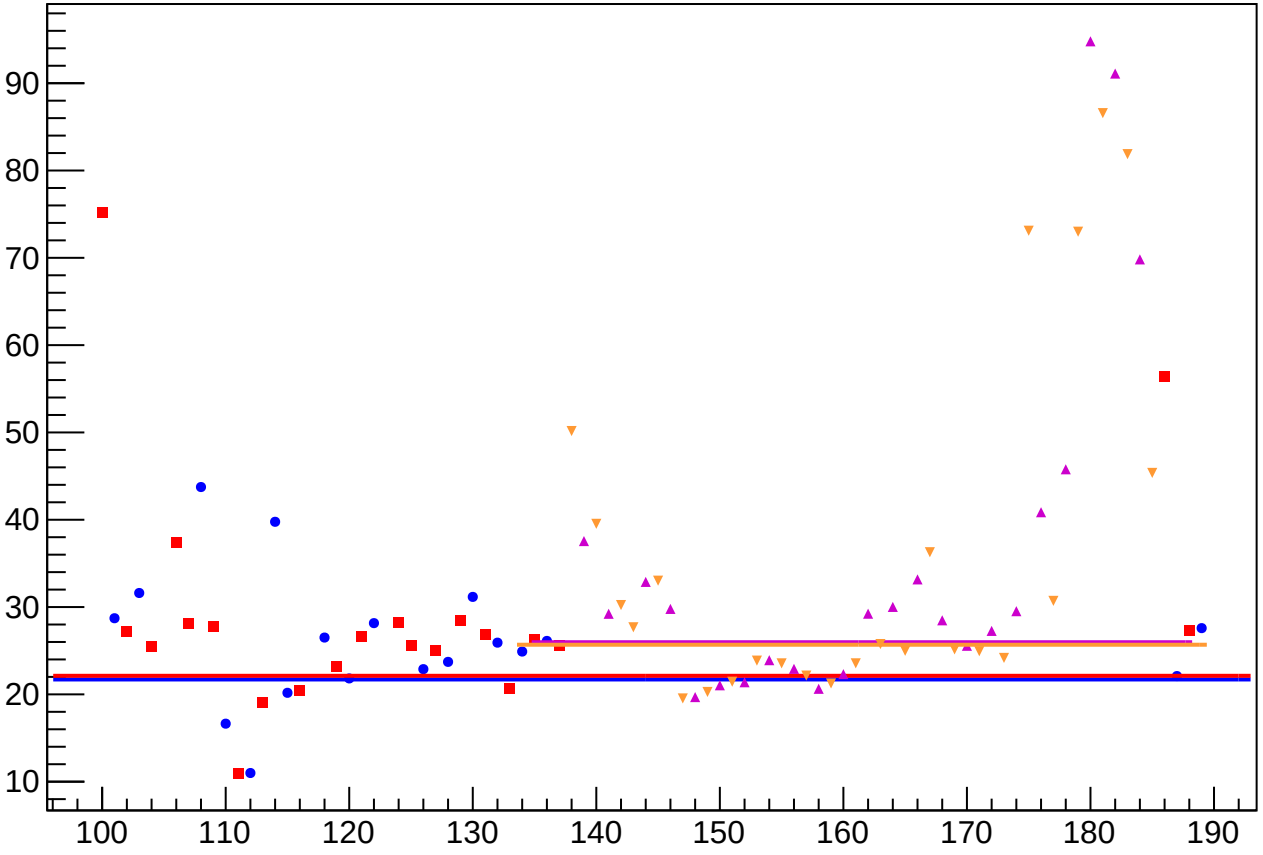
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.003+/-0.005 χ^2/NDF: 47.6/42

All: 0.000+/-0.004 χ^2/NDF: 104.2/86

- sign -0.003+/-0.005 χ^2/NDF: 56.0/43

asym_sam8_dit_vs_cor_diff_rms vs Slug



Right In: 21.706+/-0.006 χ^2/NDF: 1581886.7/17

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

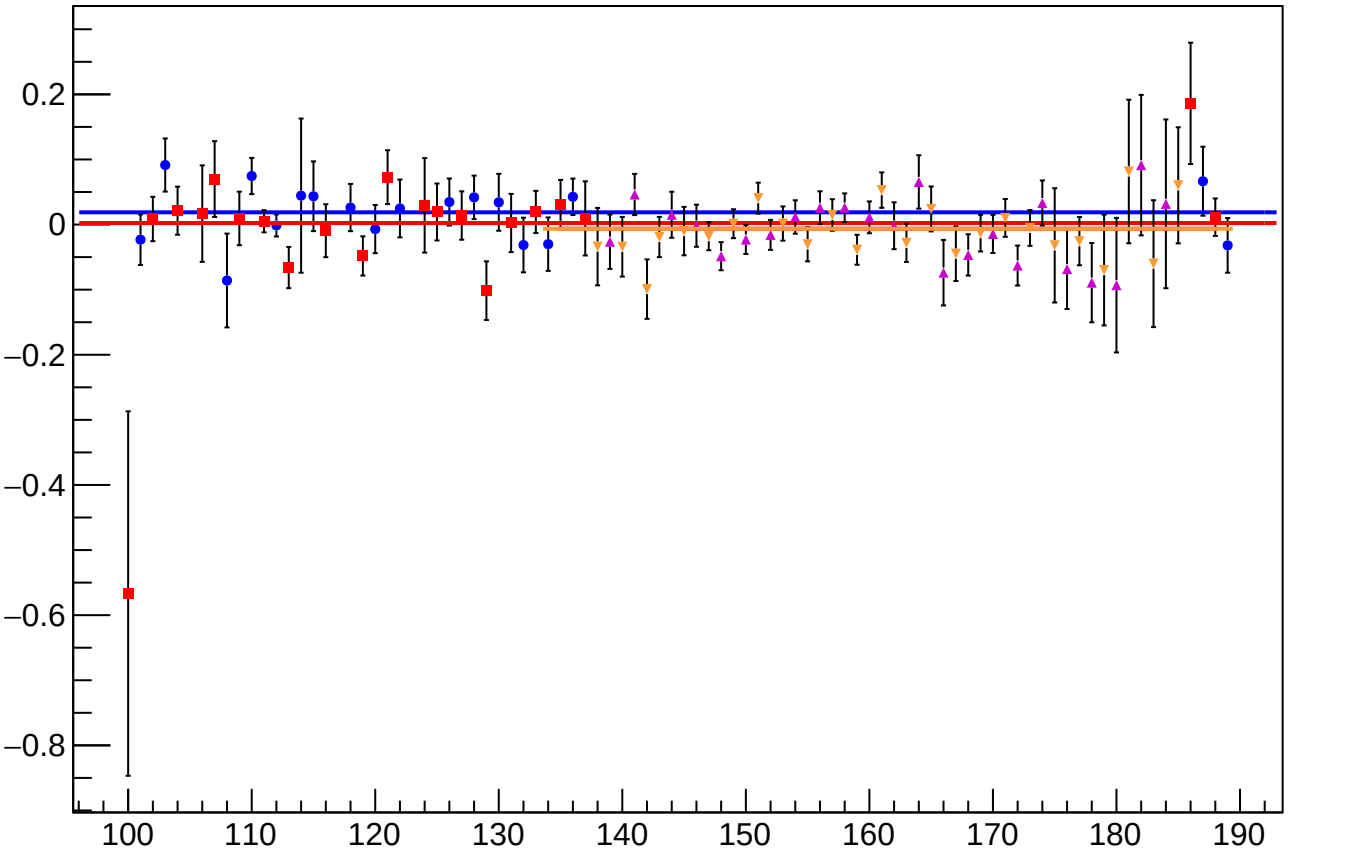
Right Out: 22.126+/-0.006 χ^2/NDF: 1661276.3/20

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

+ sign 24.224+/-0.004 χ^2/NDF: 5737661.2/42

All: 24.329+/-0.003 χ^2/NDF: 10787999.5/86

- sign 24.436+/-0.004 χ^2/NDF: 5048624.0/43



Right In: 0.019+/-0.008 χ^2/NDF: 19.3/17

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.002+/-0.008 χ^2/NDF: 26.9/20

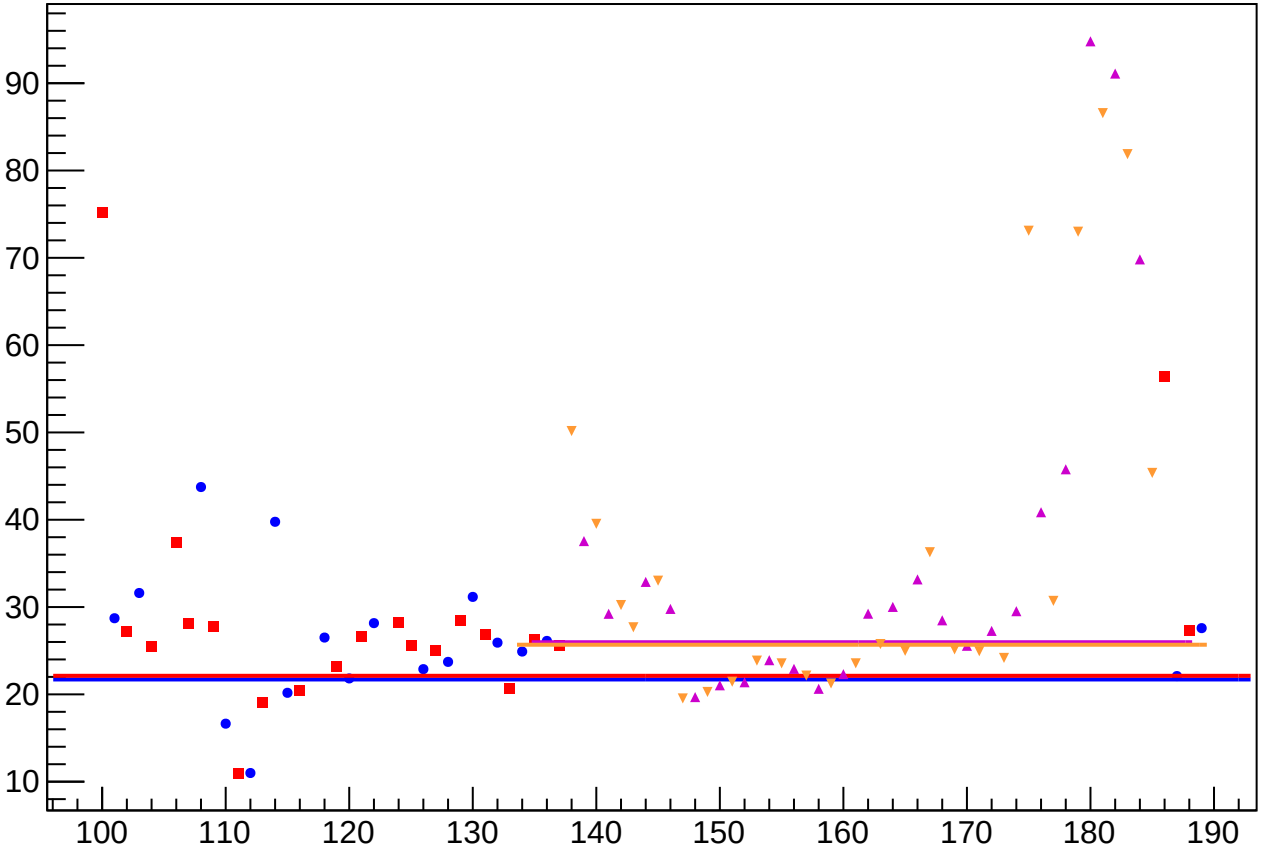
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.003+/-0.005 χ^2/NDF: 47.6/42

All: 0.000+/-0.004 χ^2/NDF: 104.2/86

- sign -0.003+/-0.005 χ^2/NDF: 56.0/43

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.706+/-0.006 χ^2/NDF: 1581886.7/17

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

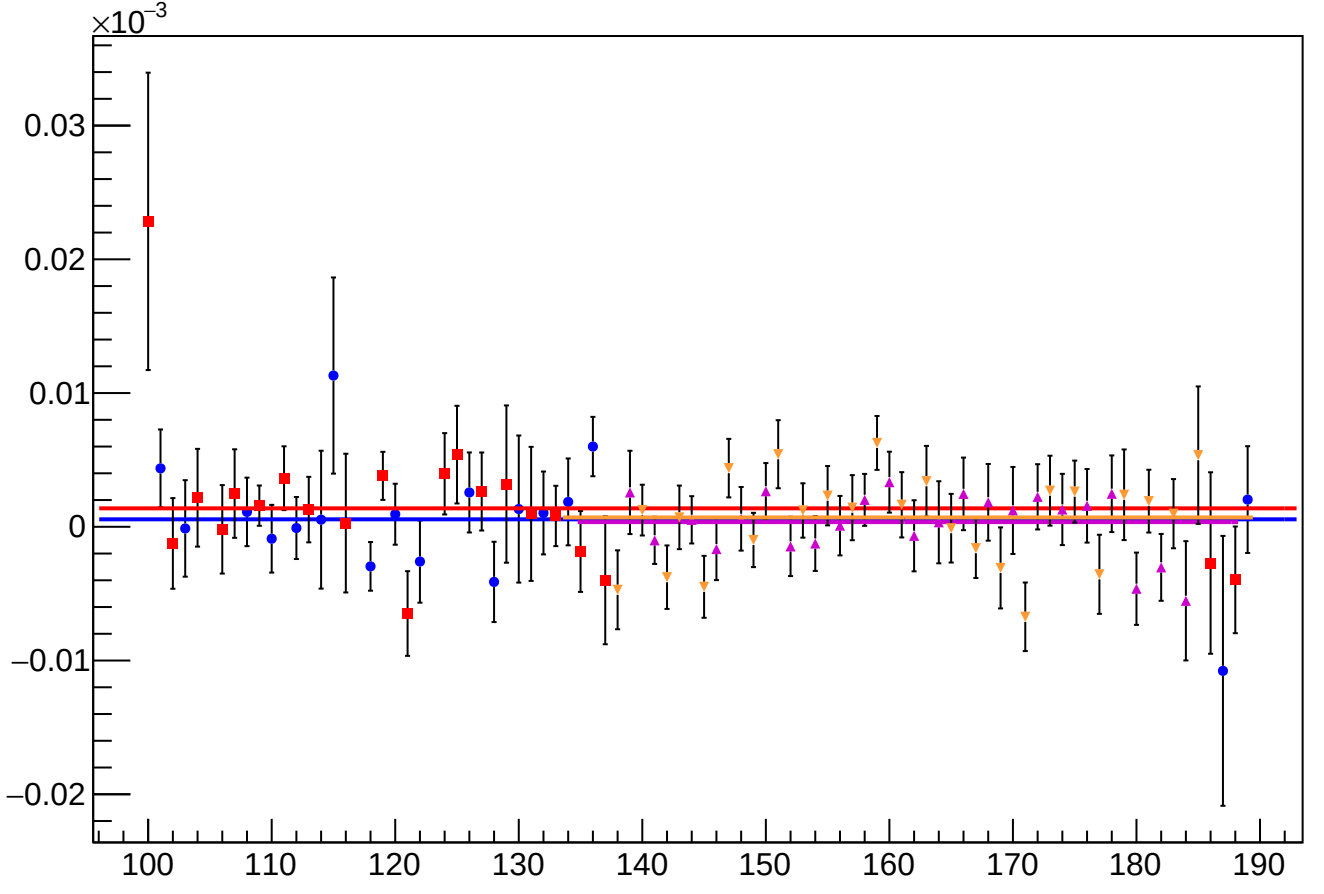
Right Out: 22.126+/-0.006 χ^2/NDF: 1661276.3/20

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

+ sign 24.224+/-0.004 χ^2/NDF: 5737661.2/42

All: 24.329+/-0.003 χ^2/NDF: 10787999.5/86

- sign 24.436+/-0.004 χ^2/NDF: 5048624.0/43



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:44.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.5/20

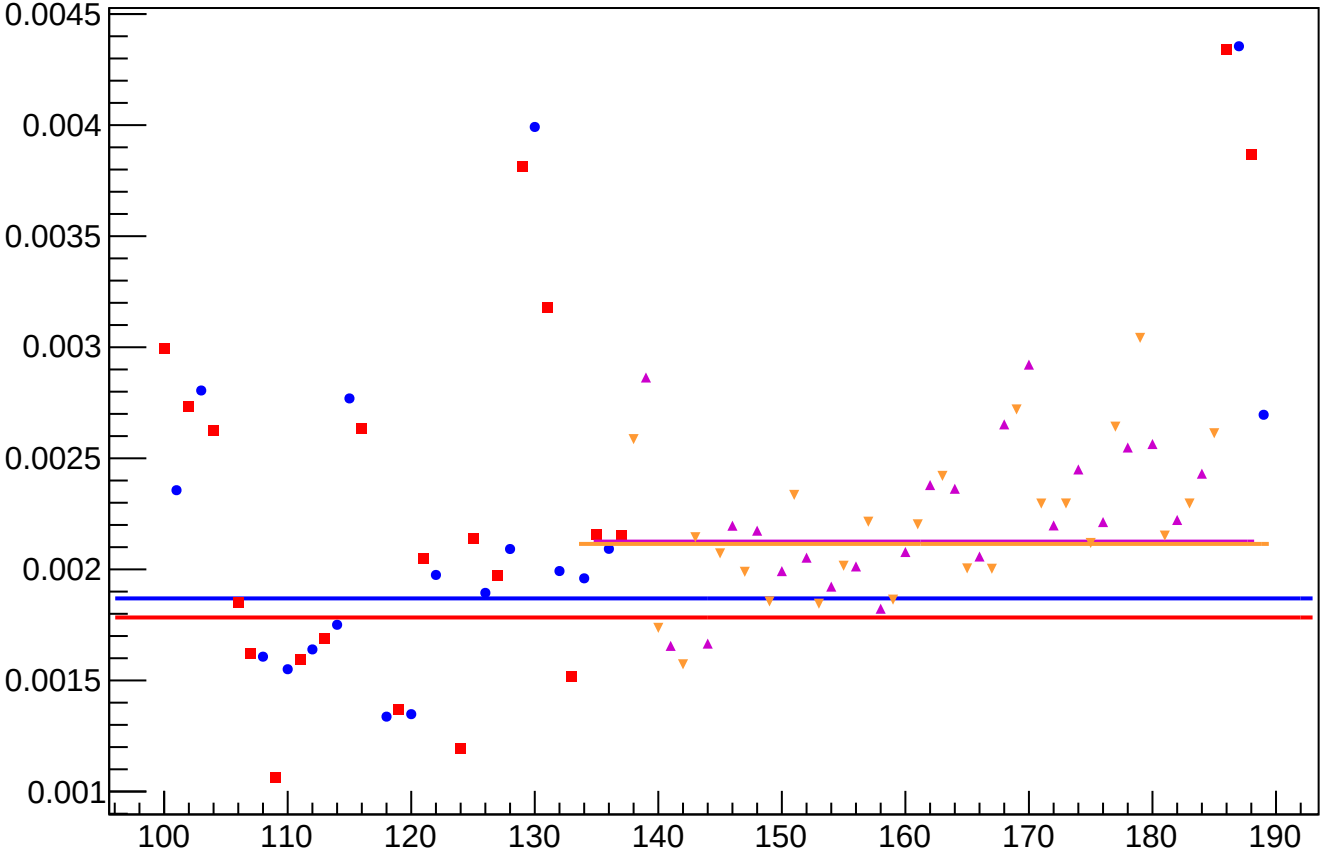
Left In: 0.000+/-0.000 χ^2/NDF:16.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.0/42

All: 0.000+/-0.000 χ^2/NDF: 102.5/86

- sign 0.000+/-0.000 χ^2/NDF: 38.4/43

asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 1113365.1/17

Left Out: 0.002+/-0.000 χ^2/NDF:743658.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 2336877.7/20

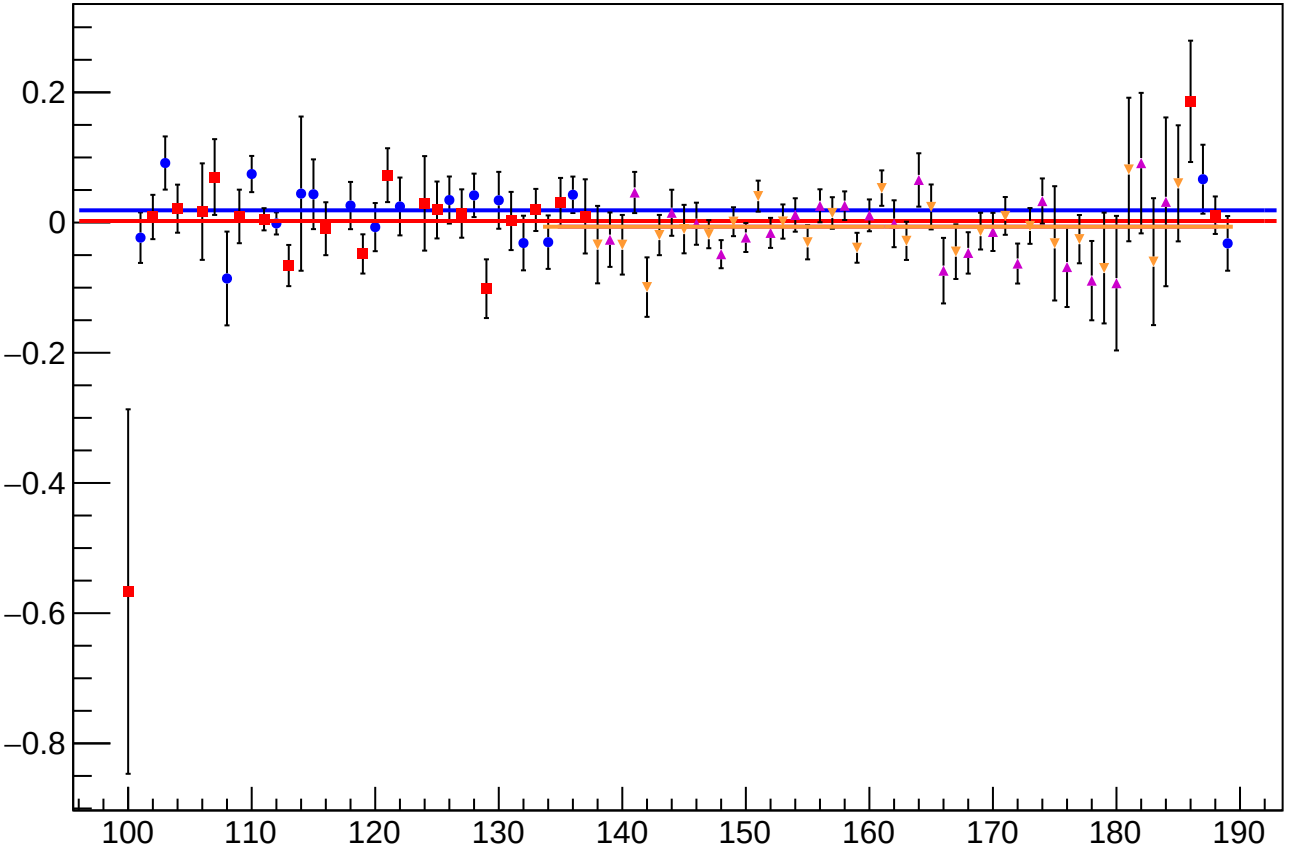
Left In: 0.002+/-0.000 χ^2/NDF:837770.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 2024621.4/42

All: 0.002+/-0.000 χ^2/NDF: 5555119.9/86

- sign 0.002+/-0.000 χ^2/NDF: 3521565.4/43

asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.019+/-0.008 χ^2/NDF: 19.3/17

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.002+/-0.008 χ^2/NDF: 26.9/20

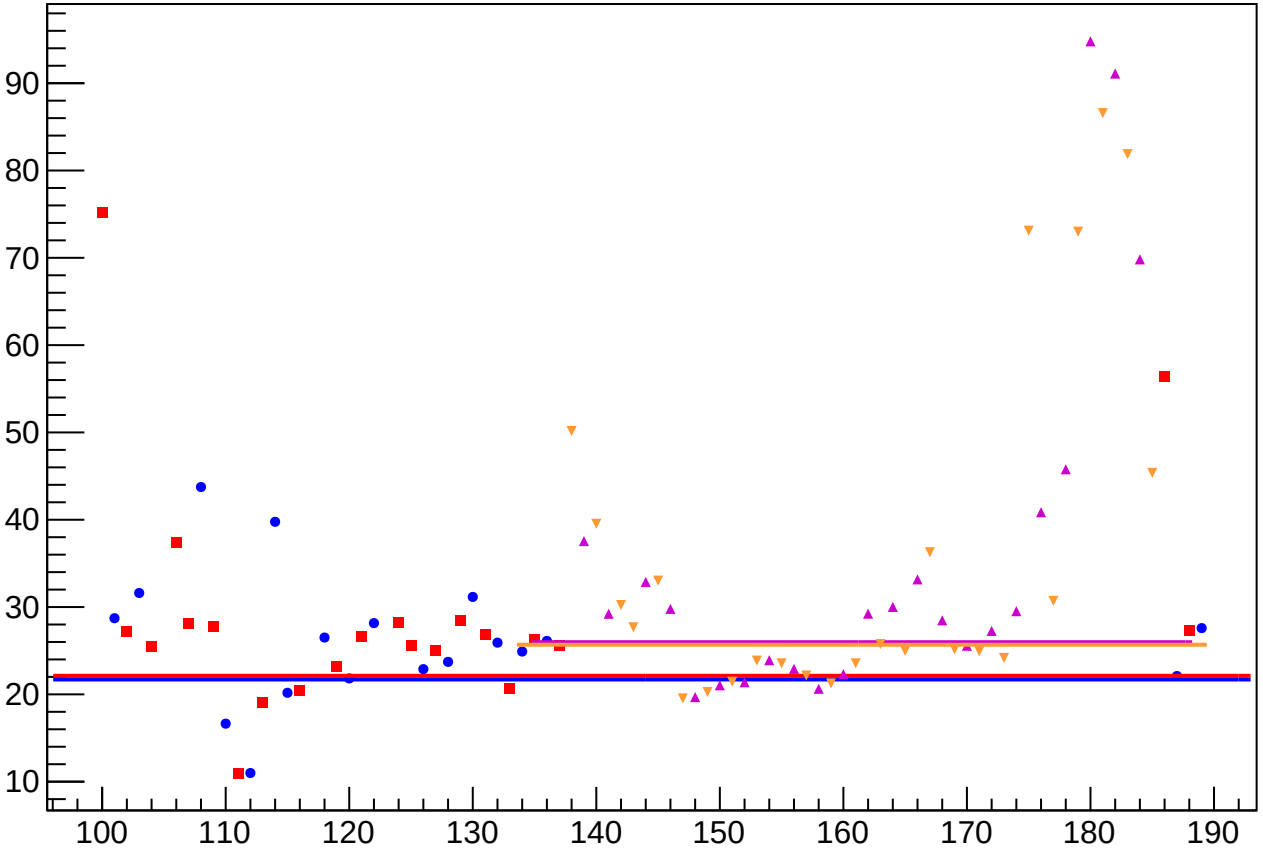
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.003+/-0.005 χ^2/NDF: 47.6/42

All: 0.000+/-0.004 χ^2/NDF: 104.2/86

- sign -0.003+/-0.005 χ^2/NDF: 56.0/43

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 21.705+/-0.006 χ^2/NDF: 1582055.7/17

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

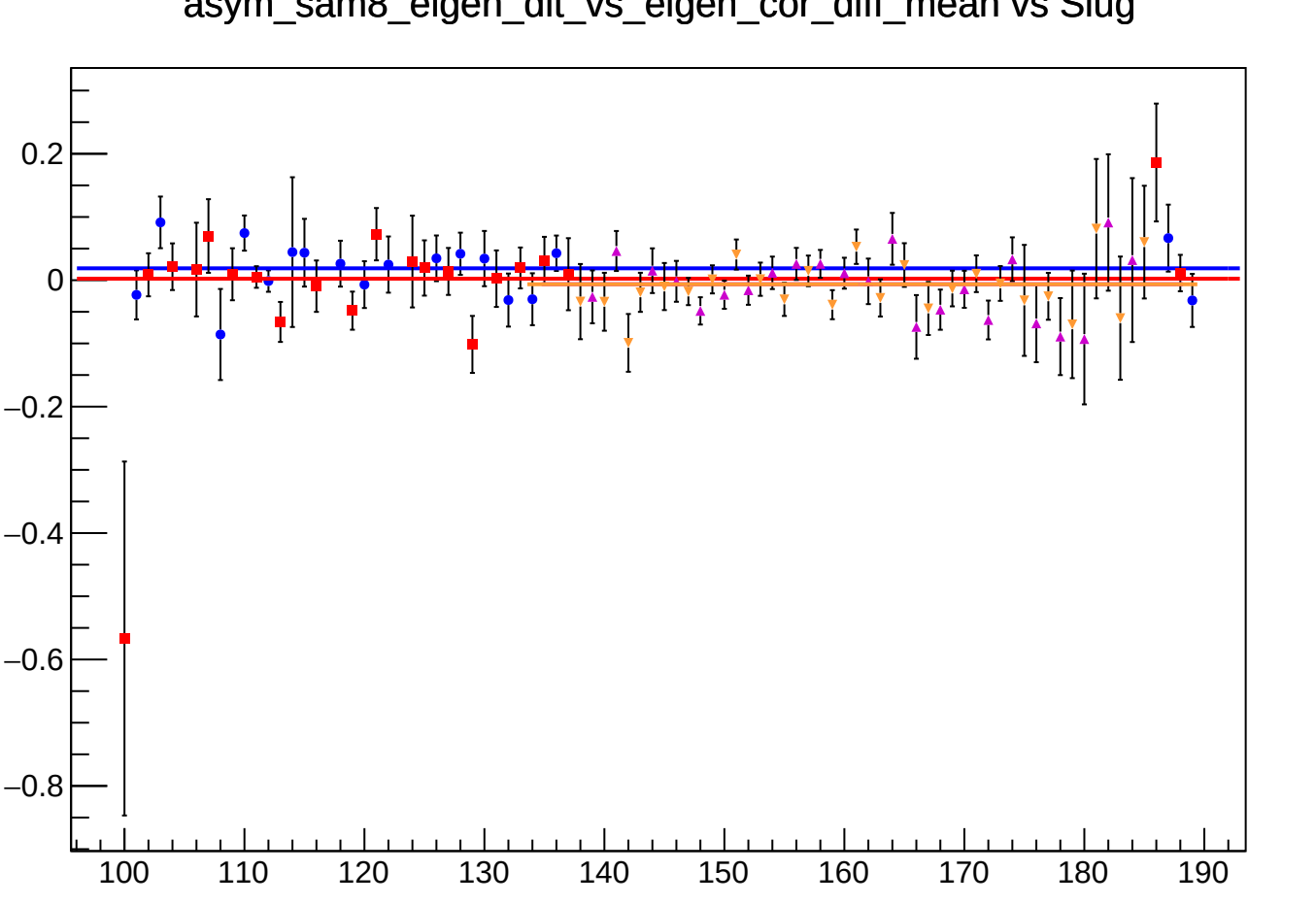
Right Out: 22.125+/-0.006 χ^2/NDF: 1661412.8/20

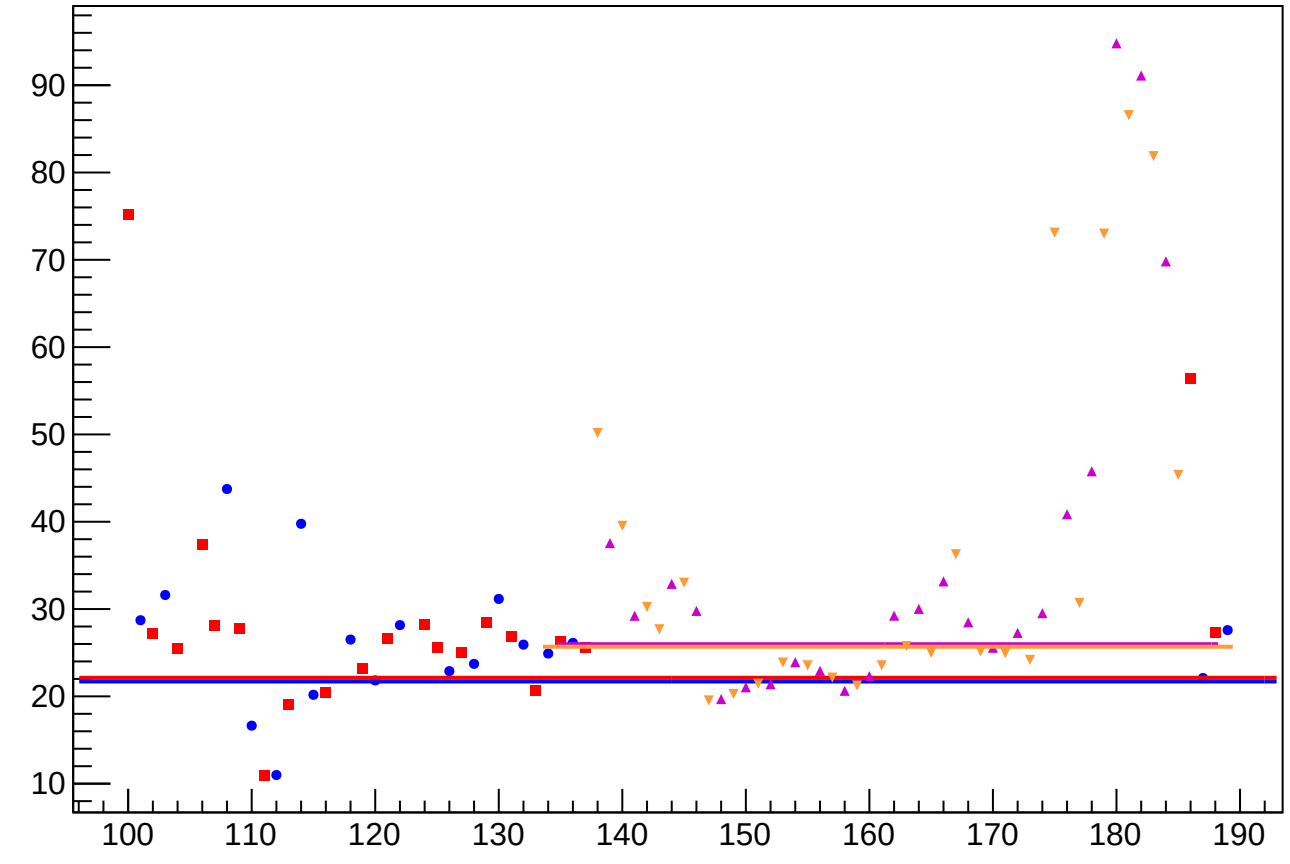
Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

+ sign 24.224+/-0.004 χ^2/NDF: 5737933.9/42

All: 24.329+/-0.003 χ^2/NDF: 10788506.7/86

- sign 24.436+/-0.004 χ^2/NDF: 5048859.4/43


asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
180
190
Right In: 0.019+/-0.008 χ²/NDF: 19.3/17
Left Out: -0.006+/-0.006 χ²/NDF:22.6/24
Right Out: 0.002+/-0.008 χ²/NDF: 26.9/20
Left In: -0.006+/-0.007 χ²/NDF:28.4/22
+ sign 0.003+/-0.005 χ²/NDF: 47.6/42
All: 0.000+/-0.004 χ²/NDF: 104.2/86
- sign -0.003+/-0.005 χ²/NDF: 56.0/43



Right In: 21.705+/-0.006 χ^2/NDF: 1582055.7/17

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

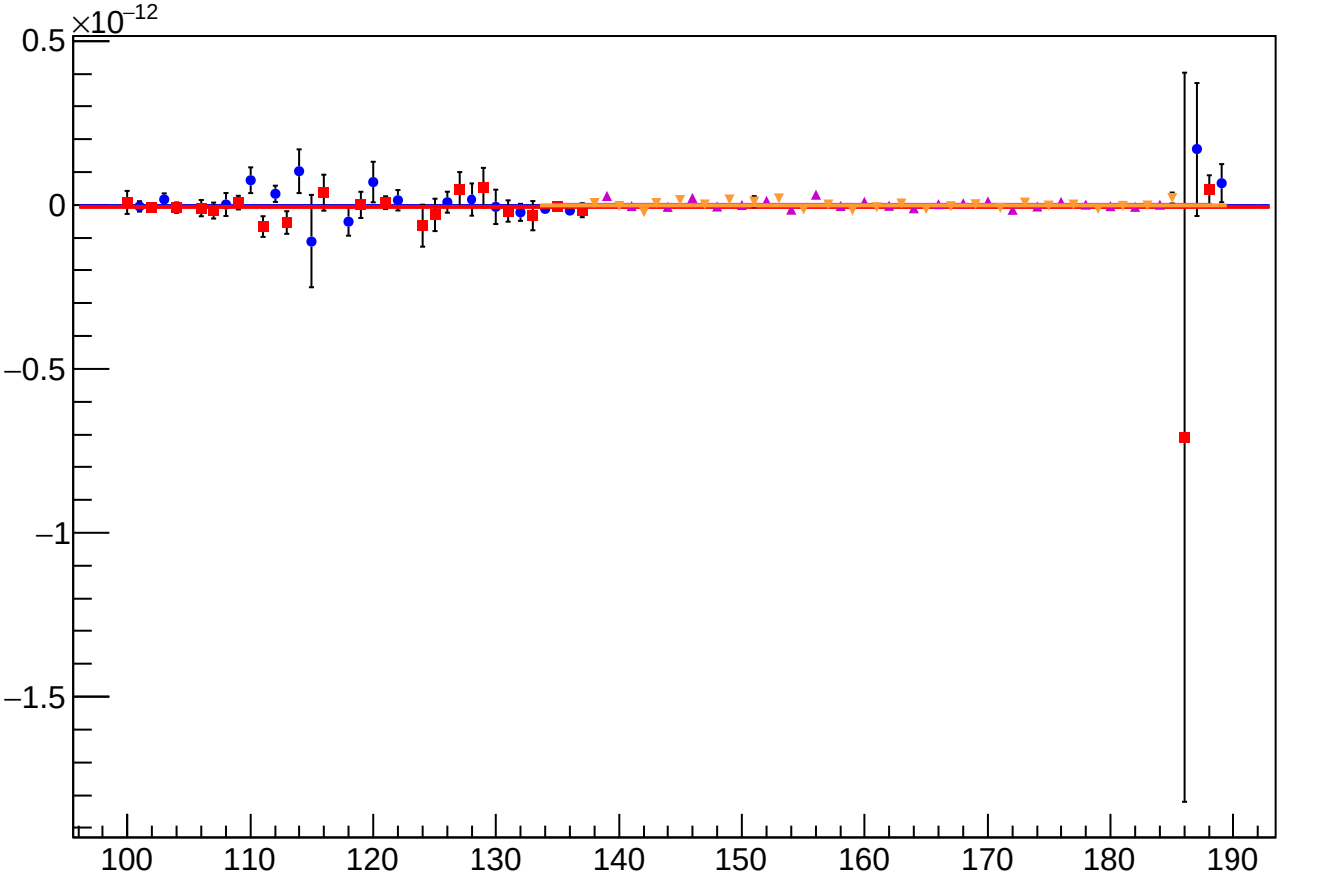
Right Out: 22.125+/-0.006 χ^2/NDF: 1661412.8/20

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

+ sign 24.224+/-0.004 χ^2/NDF: 5737933.9/42

All: 24.329+/-0.003 χ^2/NDF: 10788506.7/86

- sign 24.436+/-0.004 χ^2/NDF: 5048859.4/43



Right In: -0.000+/-0.000 χ^2/NDF: 19.4/17

Left Out: -0.000+/-0.000 χ^2/NDF:28.8/24

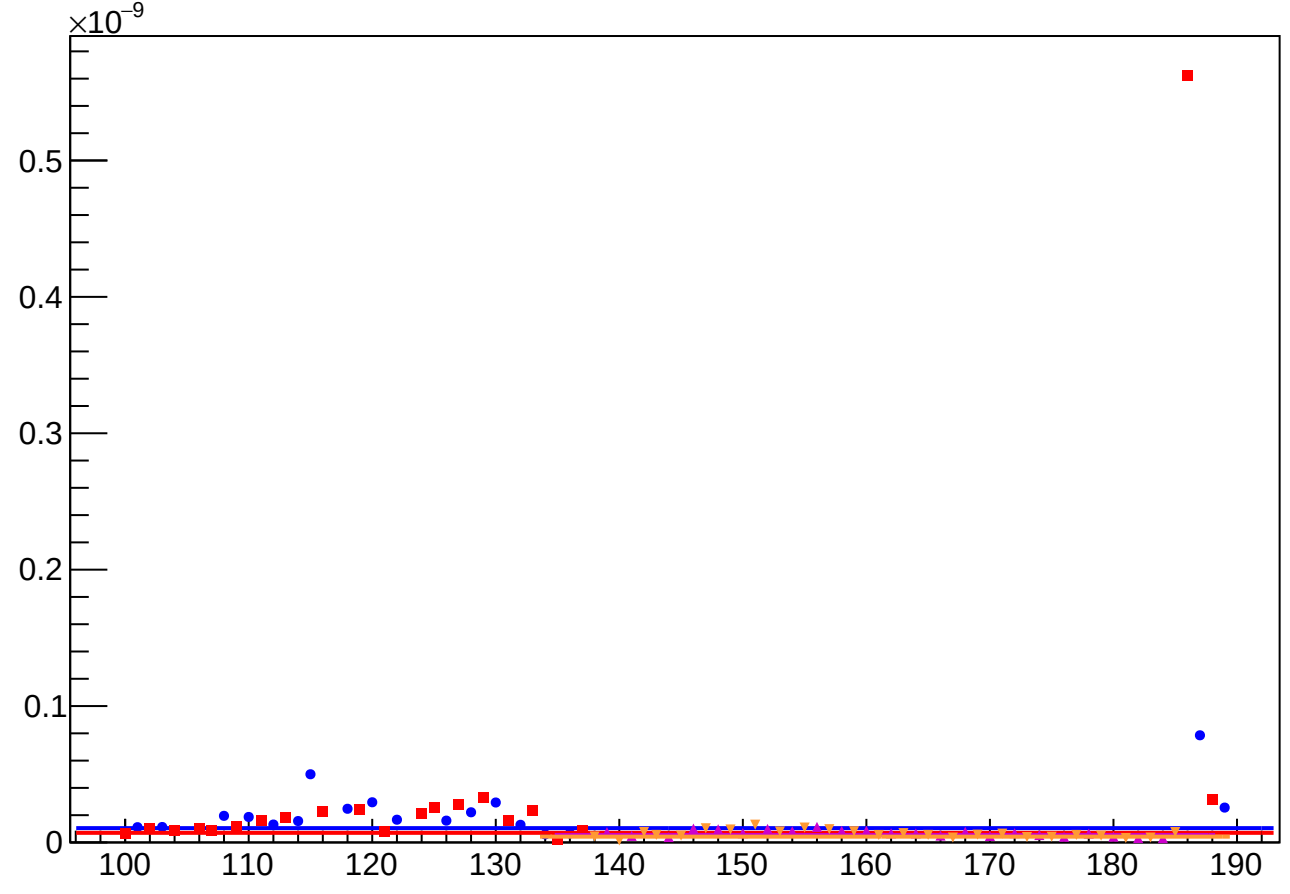
Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/20

Left In: 0.000+/-0.000 χ^2/NDF:29.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.3/42

All: -0.000+/-0.000 χ^2/NDF: 92.9/86

- sign -0.000+/-0.000 χ^2/NDF: 44.4/43



Right In: 0.000+/-0.000 χ^2/NDF: 2313490.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:5399109.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5120023.5/20

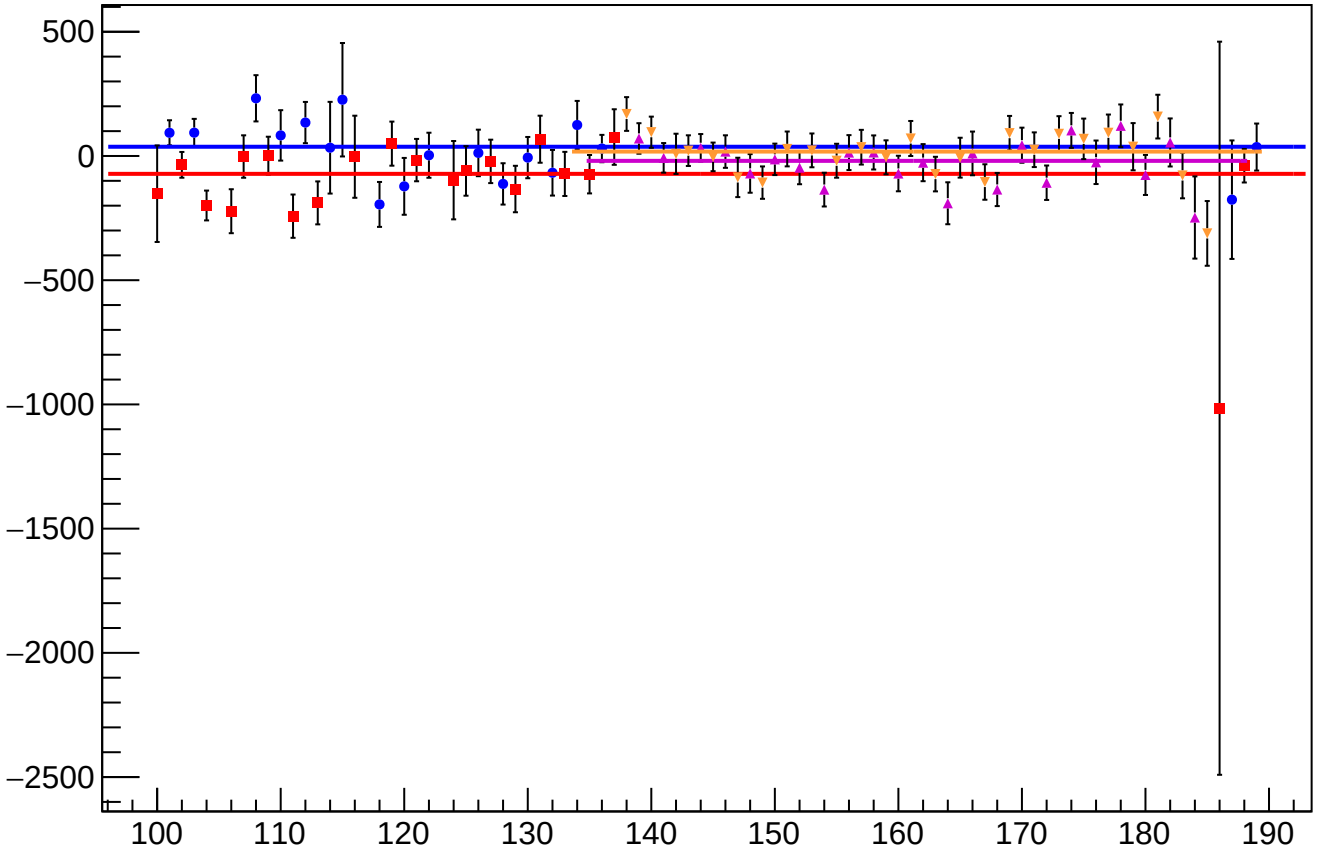
Left In: 0.000+/-0.000 χ^2/NDF:2811616.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 10163782.1/42

All: 0.000+/-0.000 χ^2/NDF: 18828391.6/86

- sign 0.000+/-0.000 χ^2/NDF: 8170639.5/43

reg_asym_sam_15_avg_mean vs Slug



Right In: 37.163+/-19.885 χ^2/NDF: 24.1/17

Left Out: 17.800+/-14.495 χ^2/NDF:31.6/24

Right Out: -71.932+/-18.995 χ^2/NDF: 23.1/20

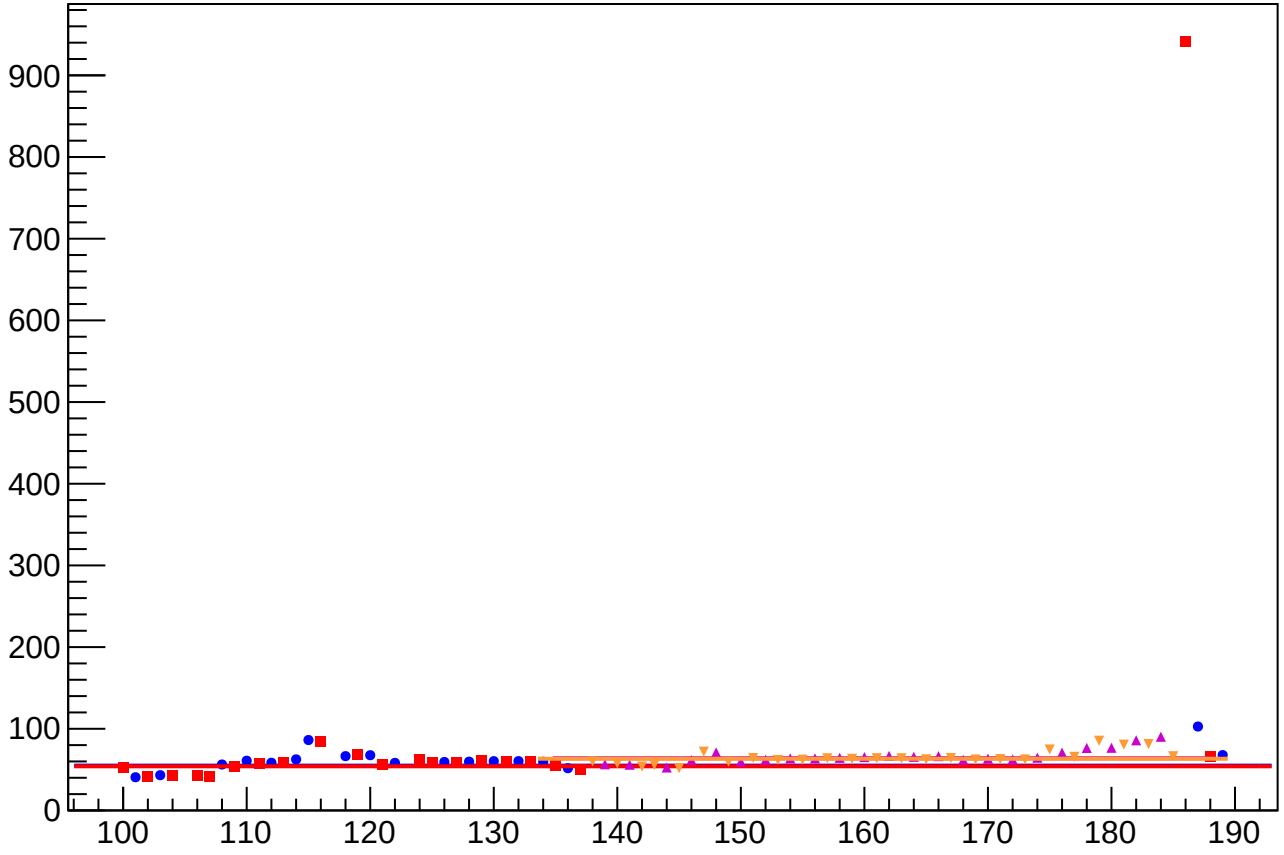
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 24.519+/-11.713 χ^2/NDF: 56.3/42

All: -7.423+/-8.310 χ^2/NDF: 125.3/86

- sign -39.792+/-11.792 χ^2/NDF: 54.0/43

reg_asym_sam_15_avg_rms vs Slug



Right In: 54.865+/-0.014 χ^2/NDF: 515662.1/17

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 54.047+/-0.013 χ^2/NDF: 1213869.3/20

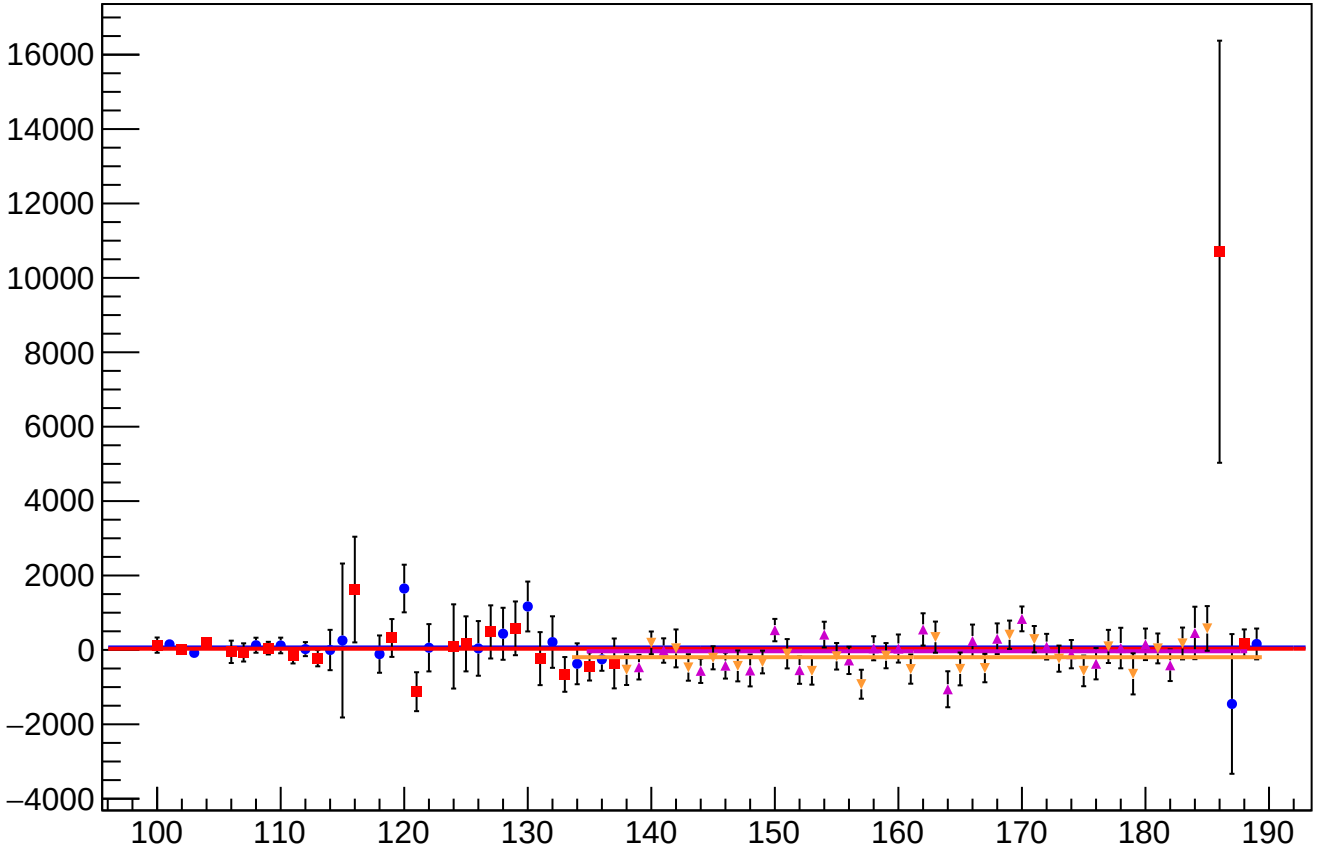
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 60.381+/-0.008 χ^2/NDF: 1248796.6/42

All: 60.249+/-0.006 χ^2/NDF: 3240454.8/86

- sign 60.114+/-0.008 χ^2/NDF: 1991143.4/43

asym_sam_15_avg_reg_correction_mean vs Slug



Right In: 66.100+/-46.175 χ^2/NDF: 16.4/17

Left Out: -195.947+/-77.088 χ^2/NDF:20.6/24

Right Out: 31.489+/-49.828 χ^2/NDF: 21.7/20

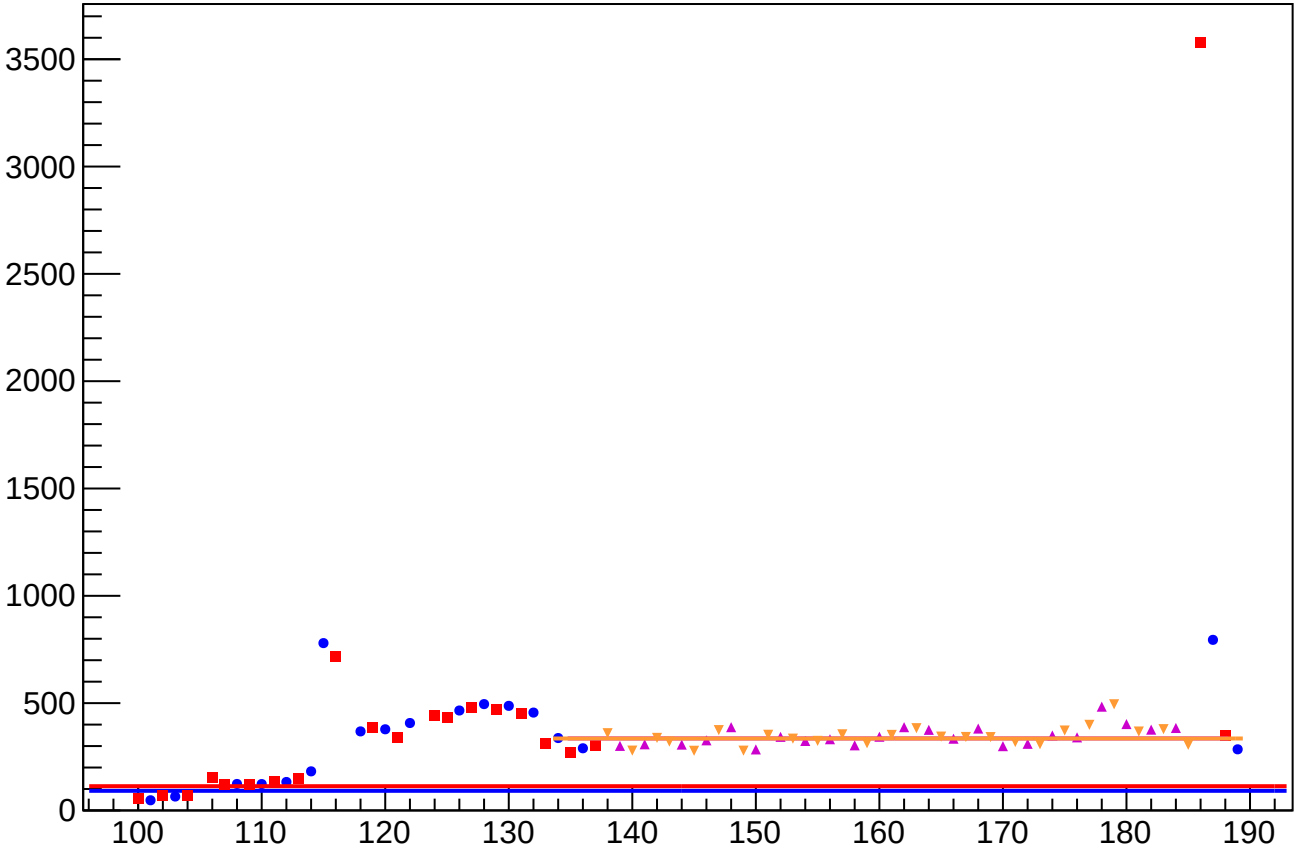
Left In: -36.417+/-79.210 χ^2/NDF:31.1/22

+ sign -3.094+/-39.613 χ^2/NDF: 45.5/42

All: 4.091+/-28.874 χ^2/NDF: 98.9/86

- sign 12.236+/-42.177 χ^2/NDF: 53.3/43

asym_sam_15_avg_reg_correction_rms vs Slug



Right In: 91.518+/-0.033 χ^2/NDF: 7370946.0/17

Left Out: 335.271+/-0.055 χ^2/NDF:563801.0/24

Right Out: 113.026+/-0.035 χ^2/NDF: 6936101.2/20

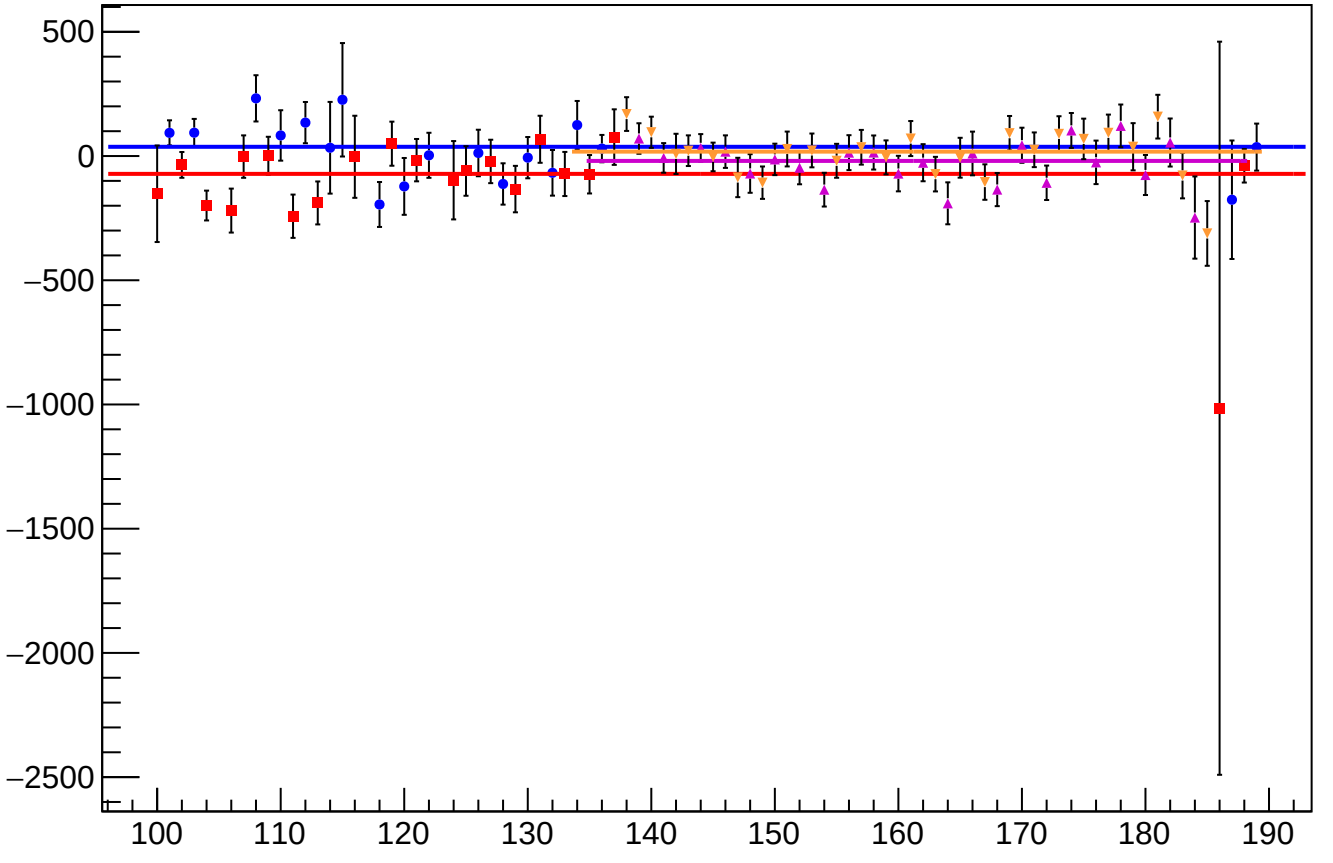
Left In: 335.526+/-0.056 χ^2/NDF:495163.6/22

+ sign 155.881+/-0.028 χ^2/NDF: 22651189.9/42

All: 165.362+/-0.020 χ^2/NDF: 41633529.2/86

- sign 176.110+/-0.030 χ^2/NDF: 18737901.5/43

cor_asym_sam_15_avg_mean vs Slug



Right In: 37.174+/-19.885 χ^2/NDF: 24.1/17

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: -71.806+/-18.997 χ^2/NDF: 23.0/20

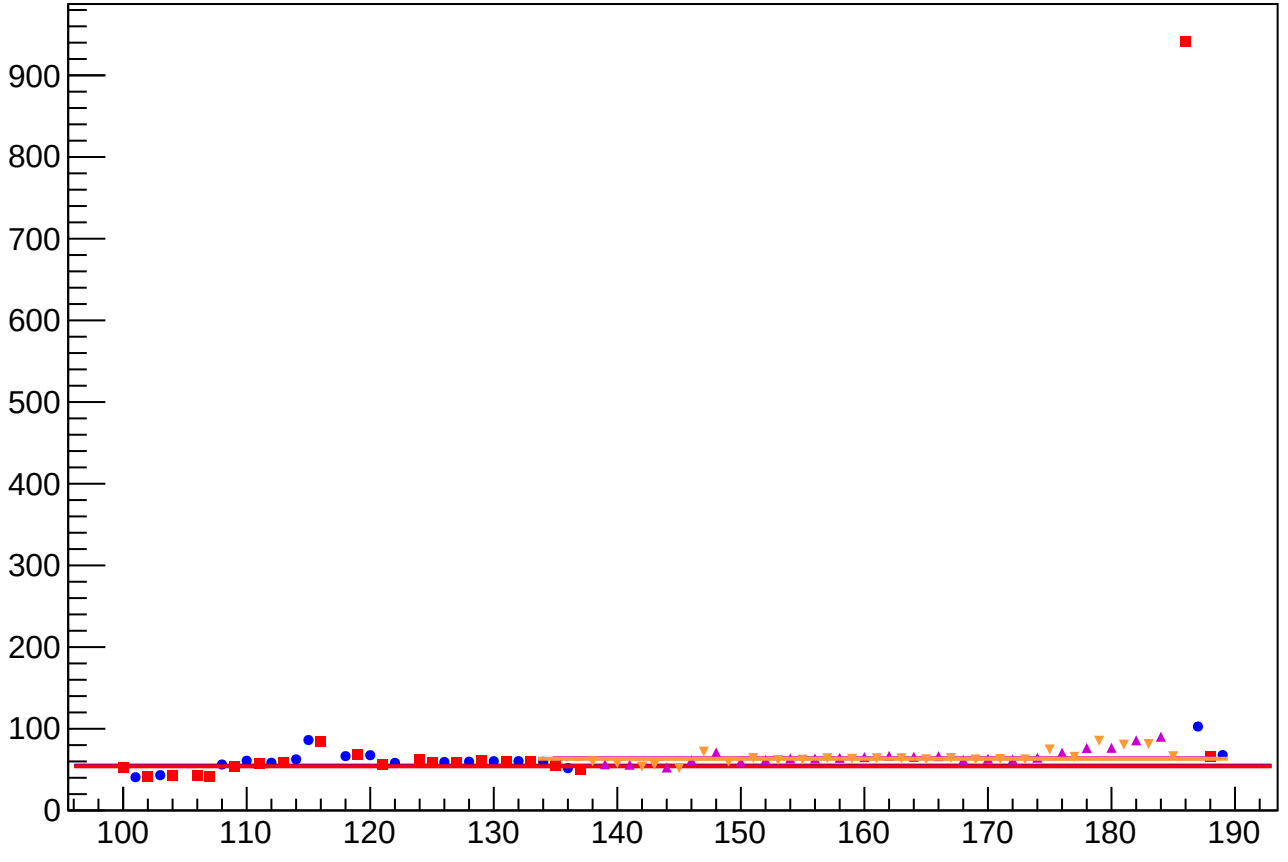
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 24.525+/-11.713 χ^2/NDF: 56.3/42

All: -7.393+/-8.310 χ^2/NDF: 125.1/86

- sign -39.741+/-11.792 χ^2/NDF: 53.9/43

cor_asym_sam_15_avg_rms vs Slug



Right In: 54.865+/-0.014 χ^2/NDF: 515661.4/17

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 54.045+/-0.013 χ^2/NDF: 1214202.4/20

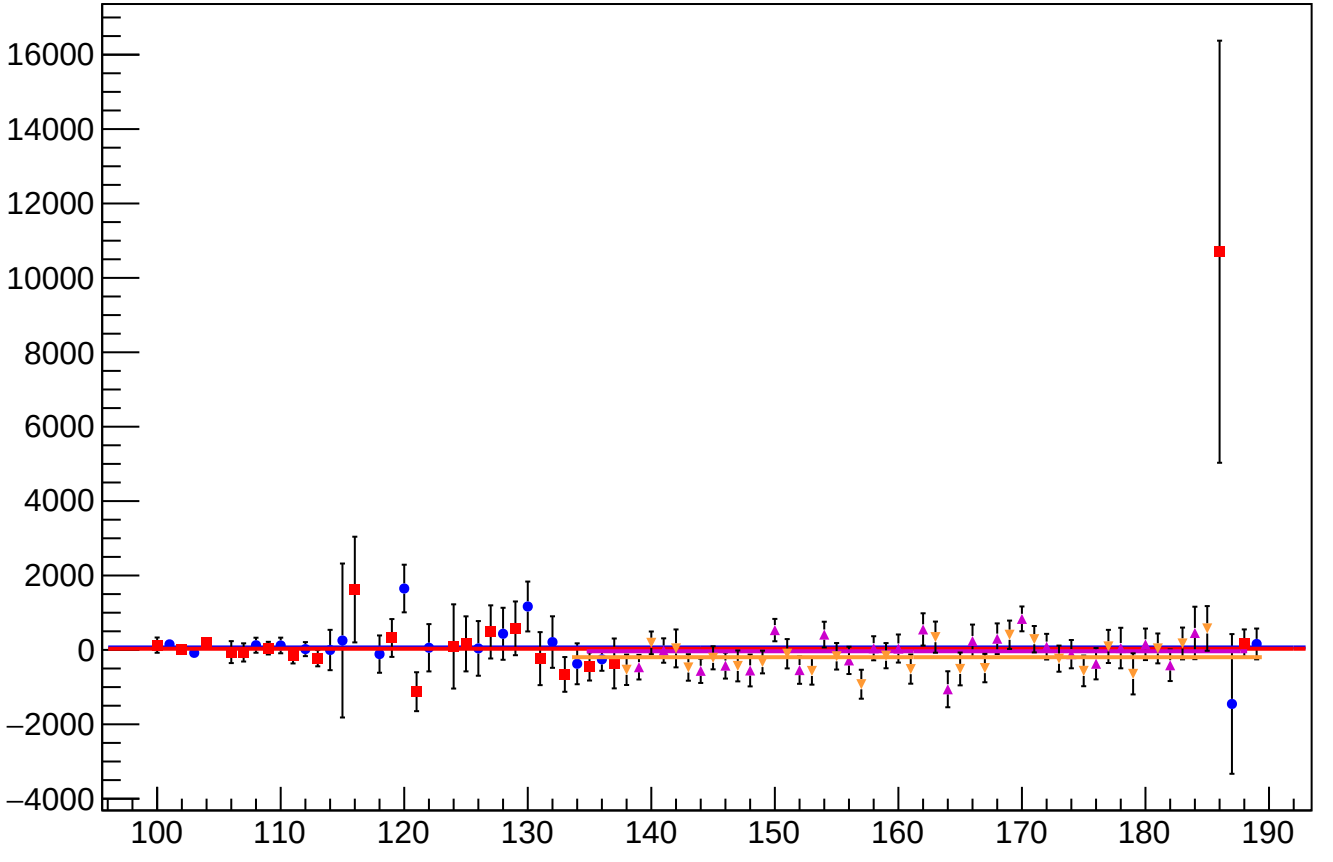
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 60.381+/-0.008 χ^2/NDF: 1248795.5/42

All: 60.248+/-0.006 χ^2/NDF: 3240890.9/86

- sign 60.114+/-0.008 χ^2/NDF: 1991578.9/43

asym_sam_15_avg_cor_correction_mean vs Slug



Right In: 66.104+/-46.174 χ^2/NDF: 16.4/17

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: 31.047+/-49.786 χ^2/NDF: 21.7/20

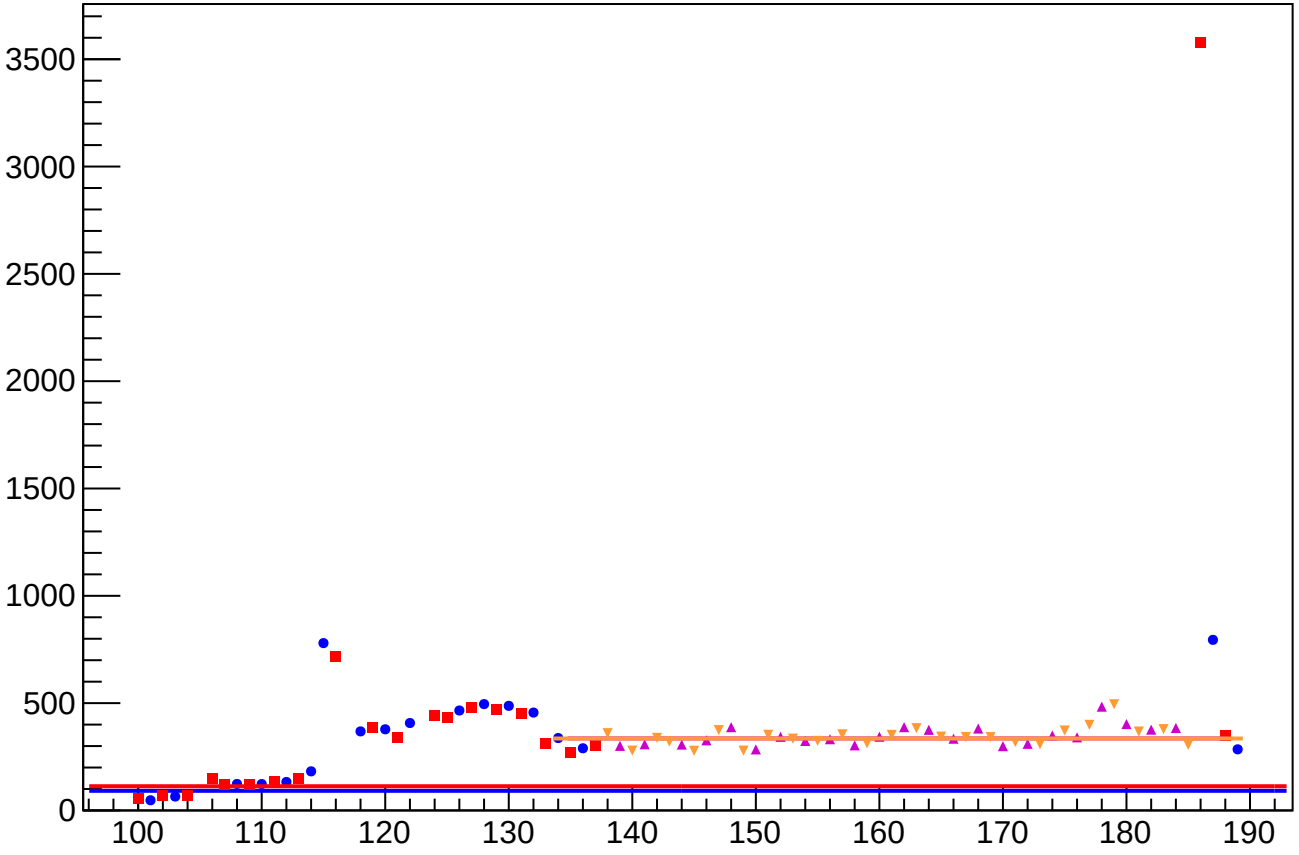
Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

+ sign -3.088+/-39.612 χ^2/NDF: 45.5/42

All: 3.961+/-28.866 χ^2/NDF: 98.9/86

- sign 11.943+/-42.151 χ^2/NDF: 53.3/43

asym_sam_15_avg_cor_correction_rms vs Slug



Right In: 91.515+/-0.033 χ^2/NDF: 7371039.4/17

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 112.843+/-0.035 χ^2/NDF: 6929463.4/20

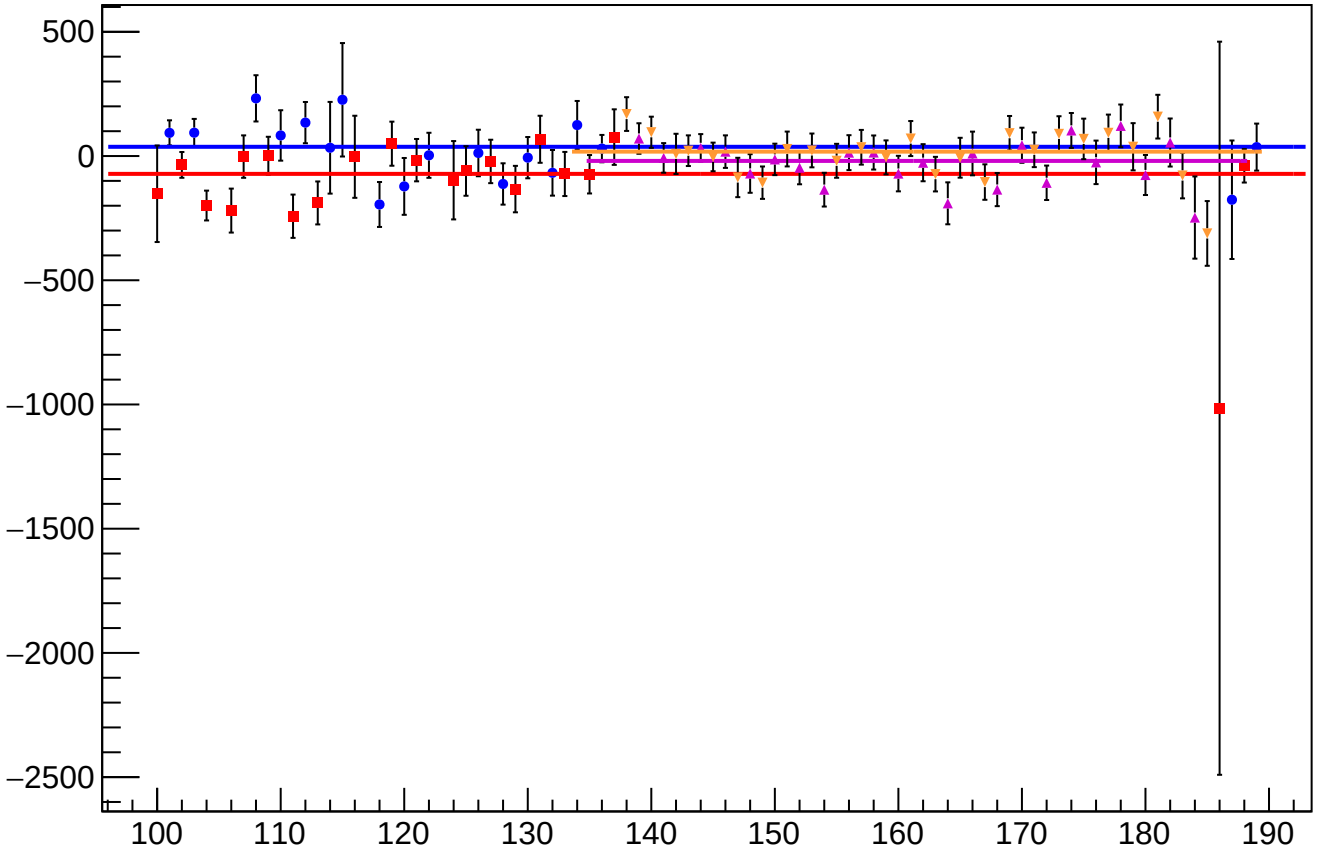
Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 155.877+/-0.028 χ^2/NDF: 22651773.5/42

All: 165.269+/-0.020 χ^2/NDF: 41646724.7/86

- sign 175.903+/-0.030 χ^2/NDF: 18755231.8/43

eigen_cor_asym_sam_15_avg_mean vs Slug



Right In: 37.174+/-19.885 χ^2/NDF: 24.1/17

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: -71.806+/-18.997 χ^2/NDF: 23.0/20

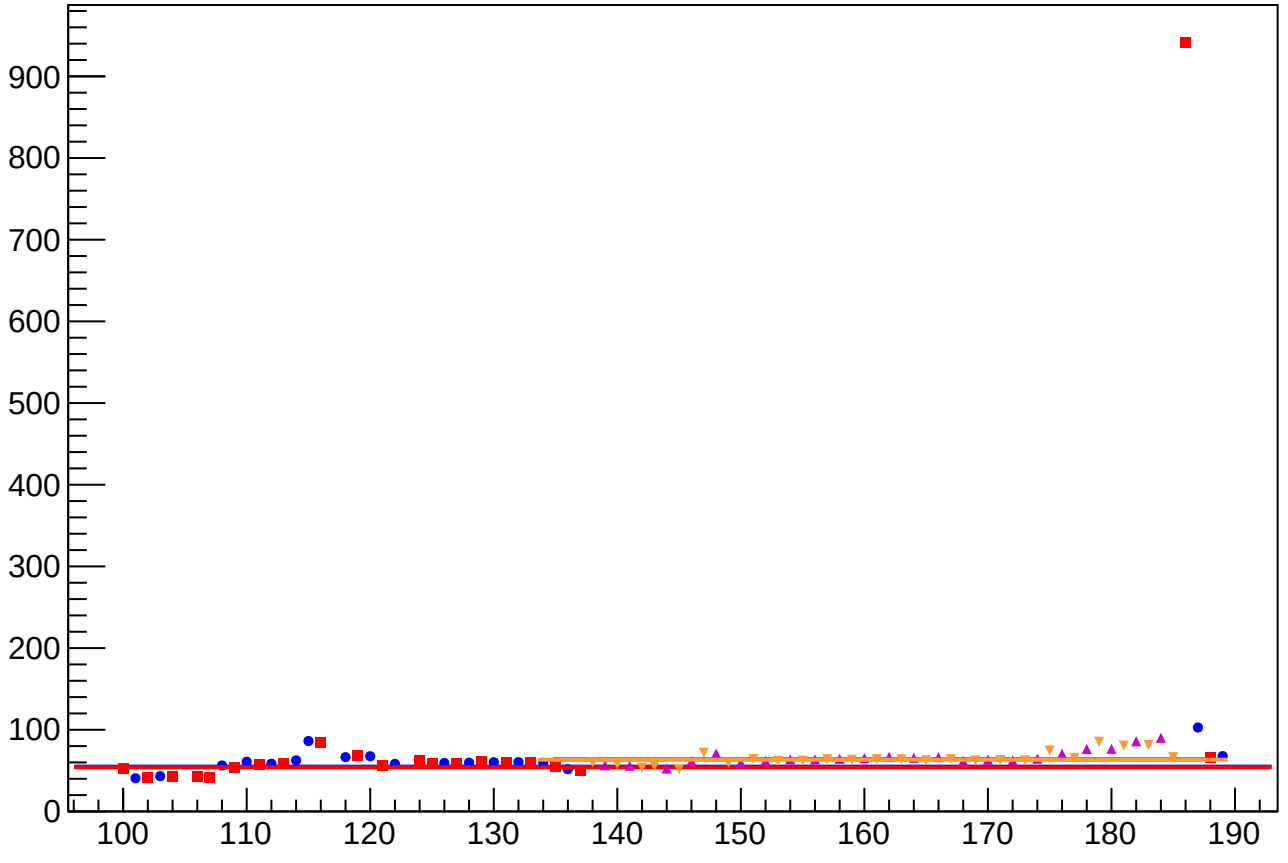
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 24.525+/-11.713 χ^2/NDF: 56.3/42

All: -7.393+/-8.310 χ^2/NDF: 125.1/86

- sign -39.741+/-11.792 χ^2/NDF: 53.9/43

eigen_cor_asym_sam_15_avg_rms vs Slug



Right In: 54.865+/-0.014 χ^2/NDF: 515661.4/17

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

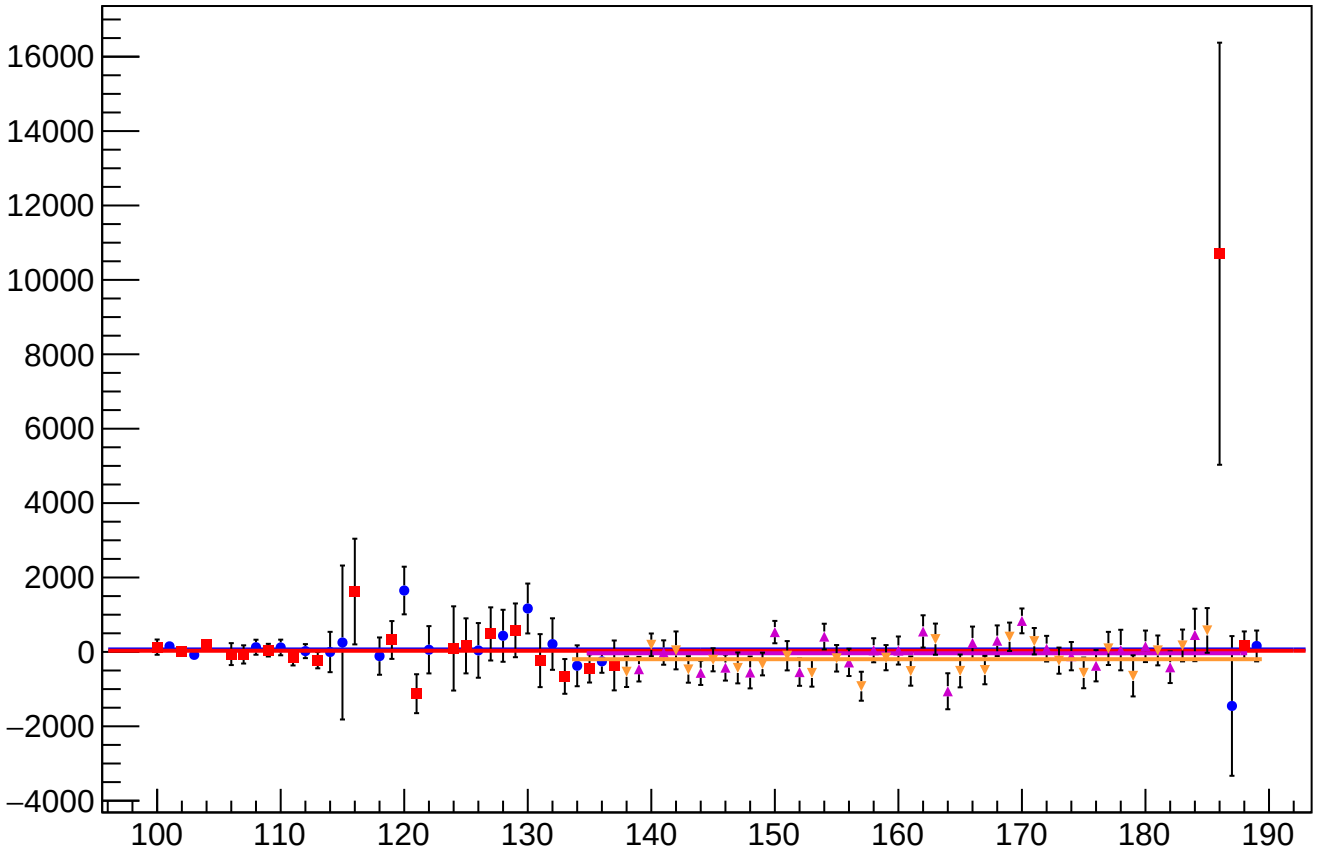
Right Out: 54.045+/-0.013 χ^2/NDF: 1214202.4/20

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 60.381+/-0.008 χ^2/NDF: 1248795.5/42

All: 60.248+/-0.006 χ^2/NDF: 3240890.9/86

- sign 60.114+/-0.008 χ^2/NDF: 1991578.9/43



Right In: 66.104+/-46.174 χ^2/NDF: 16.4/17

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

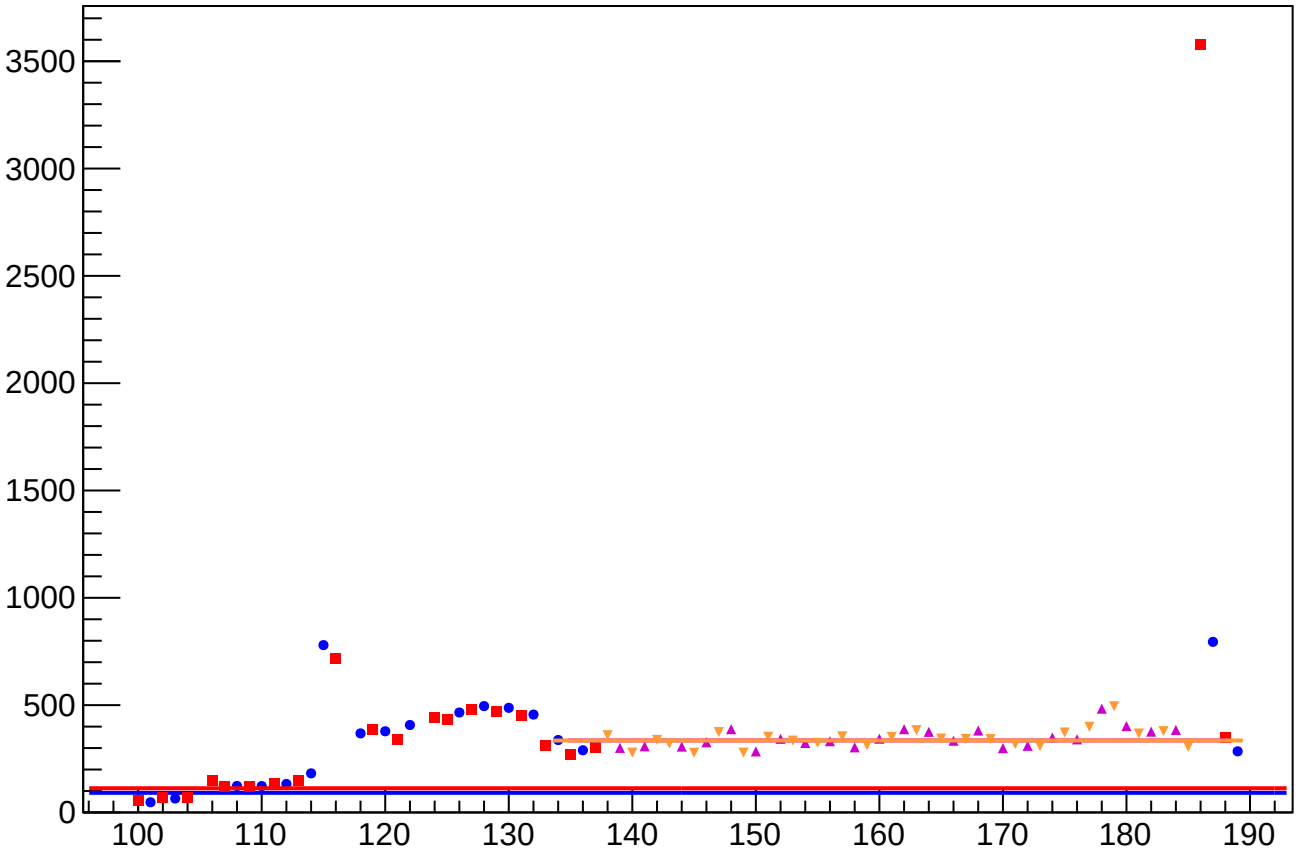
Right Out: 31.047+/-49.786 χ^2/NDF: 21.7/20

Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

\+ sign -3.088+/-39.612 χ^2/NDF: 45.5/42

All: 3.961+/-28.866 χ^2/NDF: 98.9/86

\- sign 11.943+/-42.151 χ^2/NDF: 53.3/43



Right In: 91.515+/-0.033 χ^2/NDF: 7371039.4/17

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 112.843+/-0.035 χ^2/NDF: 6929463.4/20

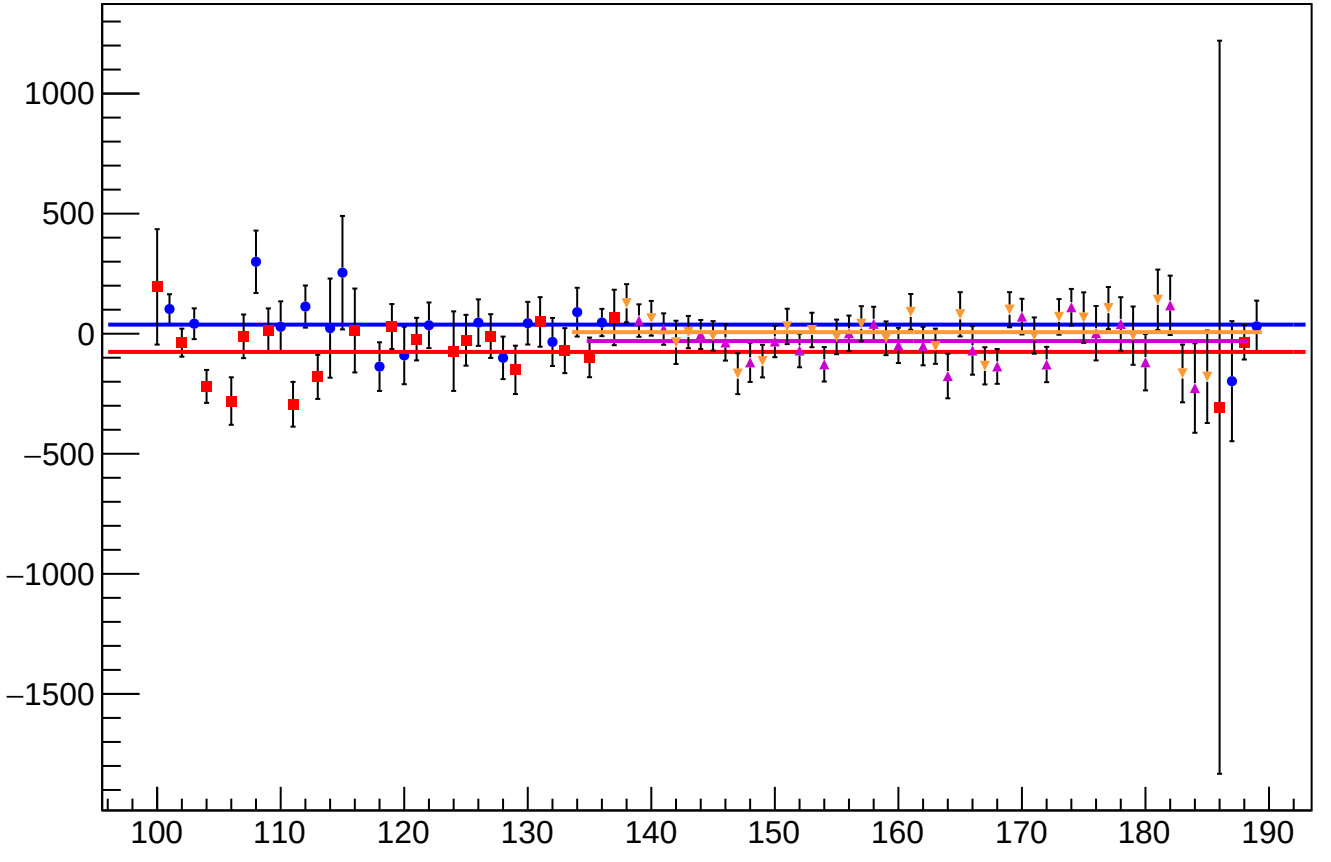
Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 155.877+/-0.028 χ^2/NDF: 22651773.5/42

All: 165.269+/-0.020 χ^2/NDF: 41646724.7/86

- sign 175.903+/-0.030 χ^2/NDF: 18755231.8/43

dit_asym_sam_15_avg_mean vs Slug



Right In: 37.812+/-21.946 χ^2/NDF: 15.0/17

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: -75.798+/-20.661 χ^2/NDF: 25.2/20

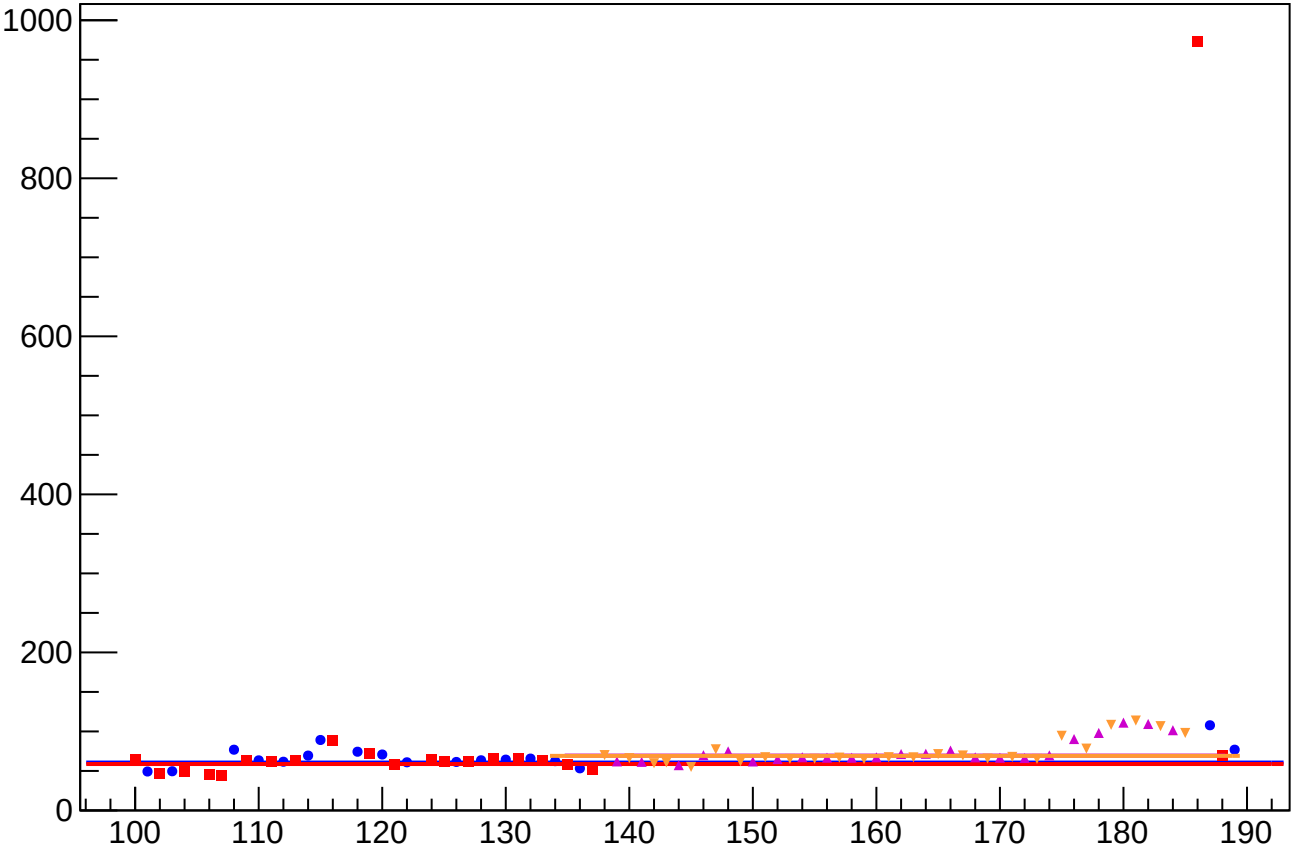
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 17.327+/-12.917 χ^2/NDF: 41.4/42

All: -15.514+/-9.126 χ^2/NDF: 104.9/86

- sign -48.243+/-12.895 χ^2/NDF: 50.5/43

dit_asym_sam_15_avg_rms vs Slug



Right In: 60.615+/-0.016 χ^2/NDF: 405764.8/17

Left Out: 69.078+/-0.011 χ^2/NDF:1074001.6/24

Right Out: 58.754+/-0.015 χ^2/NDF: 1118774.6/20

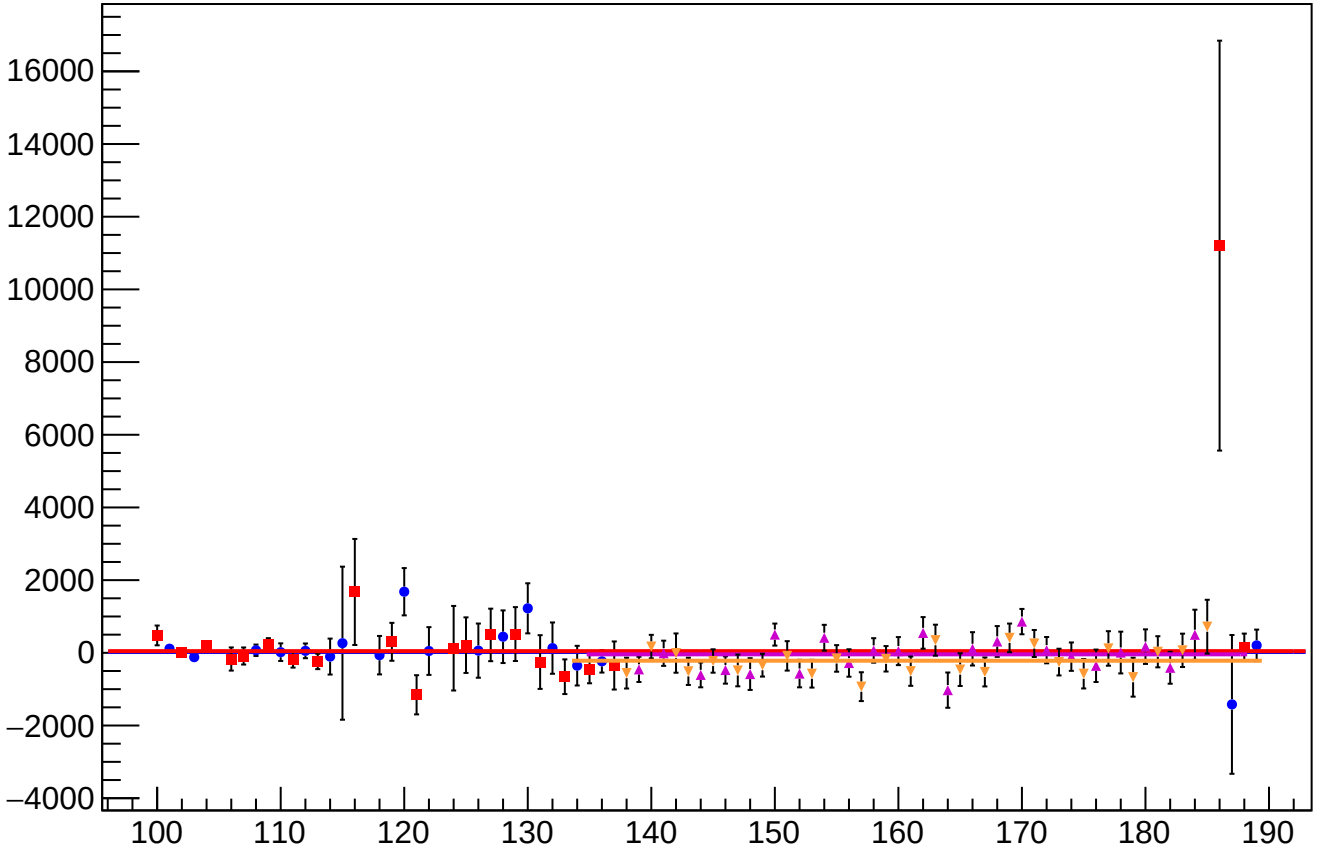
Left In: 69.436+/-0.012 χ^2/NDF:924607.6/22

+ sign 66.146+/-0.009 χ^2/NDF: 1674189.4/42

All: 65.710+/-0.006 χ^2/NDF: 4048496.5/86

- sign 65.276+/-0.009 χ^2/NDF: 2369753.4/43

asym_sam_15_avg_dit_correction_mean vs Slug



Right In: 22.474+/-53.162 χ^2/NDF: 15.4/17

Left Out: -217.349+/-80.133 χ^2/NDF:19.3/24

Right Out: 46.479+/-52.675 χ^2/NDF: 25.5/20

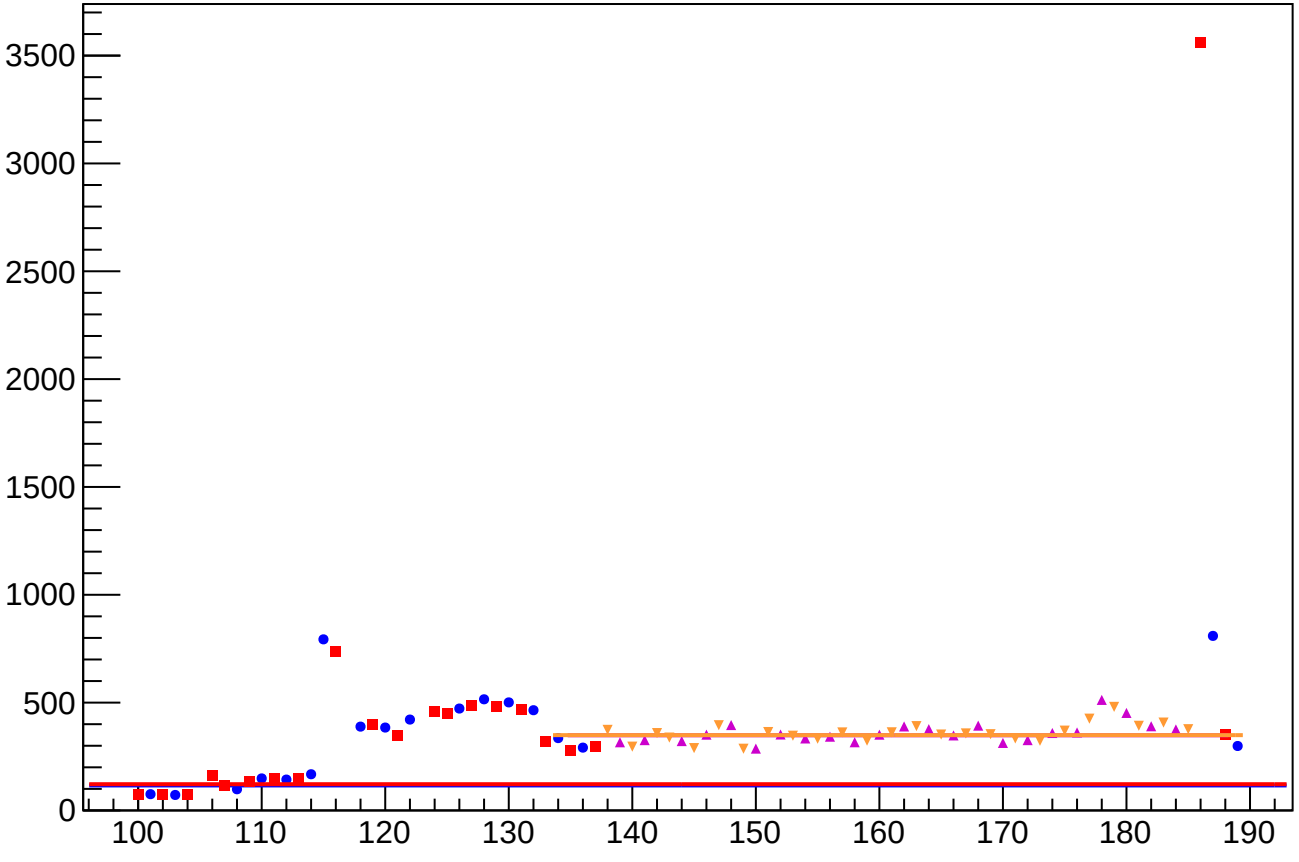
Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

+ sign -50.819+/-44.300 χ^2/NDF: 40.9/42

All: -15.014+/-31.346 χ^2/NDF: 98.5/86

- sign 20.889+/-44.359 χ^2/NDF: 56.3/43

asym_sam_15_avg_dit_correction_rms vs Slug



Right In: 115.995+/-0.038 χ^2/NDF: 6225388.7/17

Left Out: 349.177+/-0.057 χ^2/NDF:524075.5/24

Right Out: 121.737+/-0.037 χ^2/NDF: 6670086.7/20

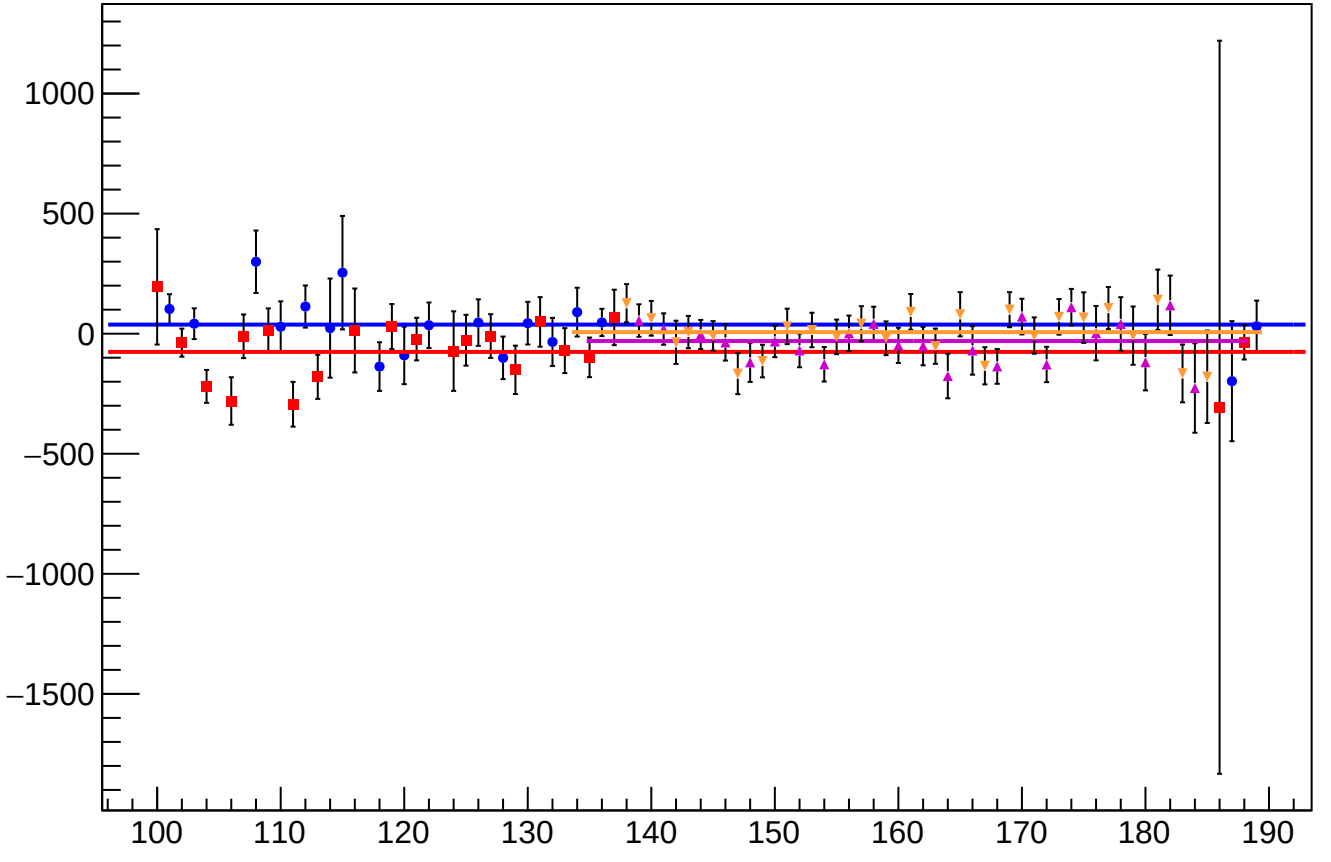
Left In: 348.560+/-0.058 χ^2/NDF:525743.6/22

+ sign 187.259+/-0.031 χ^2/NDF: 18509092.0/42

All: 187.481+/-0.022 χ^2/NDF: 36490009.3/86

- sign 187.703+/-0.031 χ^2/NDF: 17980816.8/43

eigen_dit_asym_sam_15_avg_mean vs Slug



Right In: 37.812+/-21.946 χ^2/NDF: 15.0/17

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: -75.798+/-20.661 χ^2/NDF: 25.2/20

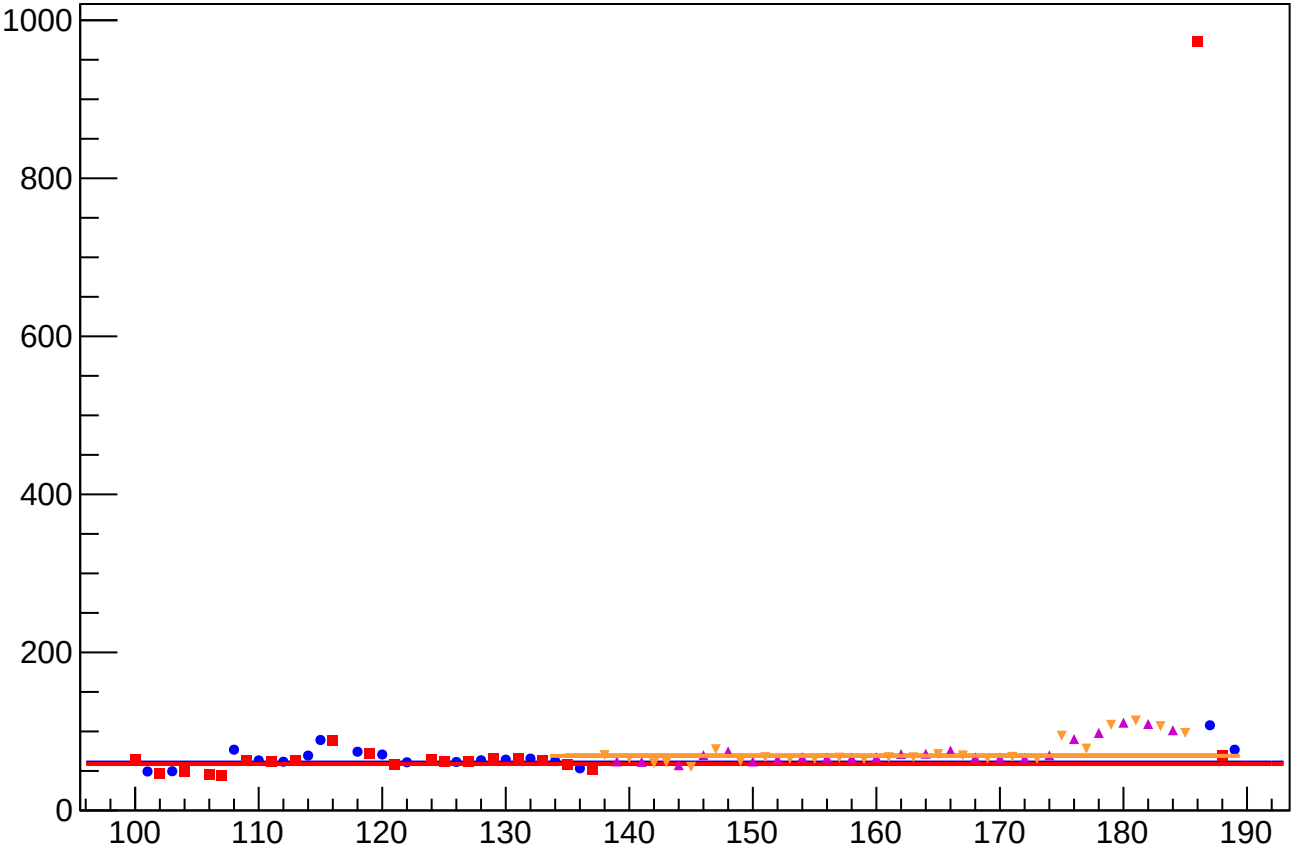
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 17.327+/-12.917 χ^2/NDF: 41.4/42

All: -15.514+/-9.126 χ^2/NDF: 104.9/86

- sign -48.243+/-12.895 χ^2/NDF: 50.5/43

eigen_dit_asym_sam_15_avg_rms vs Slug



Right In: 60.615+/-0.016 χ^2/NDF: 405766.9/17

Left Out: 69.079+/-0.011 χ^2/NDF:1073983.7/24

Right Out: 58.754+/-0.015 χ^2/NDF: 1118771.5/20

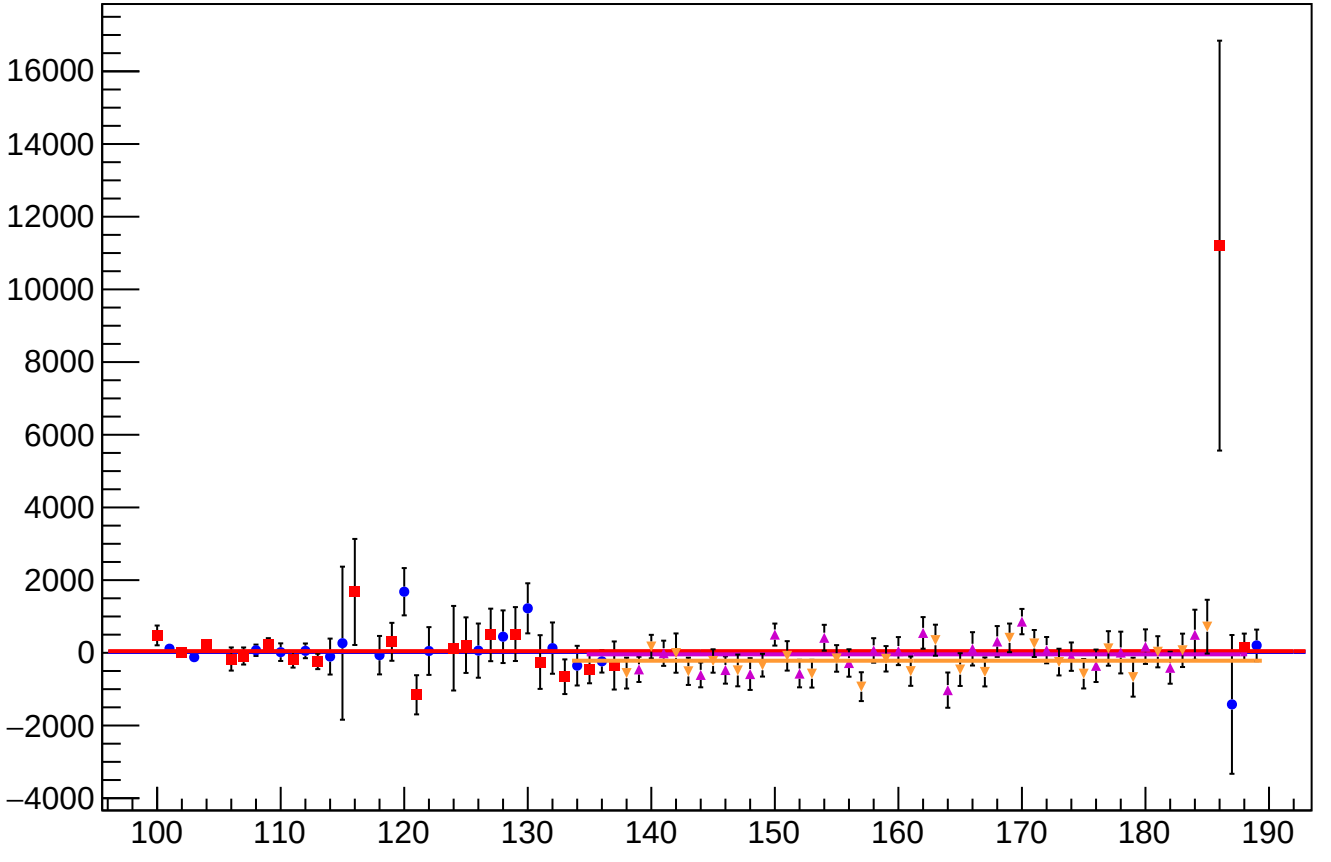
Left In: 69.436+/-0.012 χ^2/NDF:924591.6/22

+ sign 66.146+/-0.009 χ^2/NDF: 1674180.7/42

All: 65.710+/-0.006 χ^2/NDF: 4048481.9/86

- sign 65.276+/-0.009 χ^2/NDF: 2369747.8/43

asym_sam_15_avg_eigen_dit_correction_mean vs Slug



Right In: 22.473+/-53.162 χ^2/NDF: 15.4/17

Left Out: -217.348+/-80.133 χ^2/NDF:19.3/24

Right Out: 46.478+/-52.675 χ^2/NDF: 25.5/20

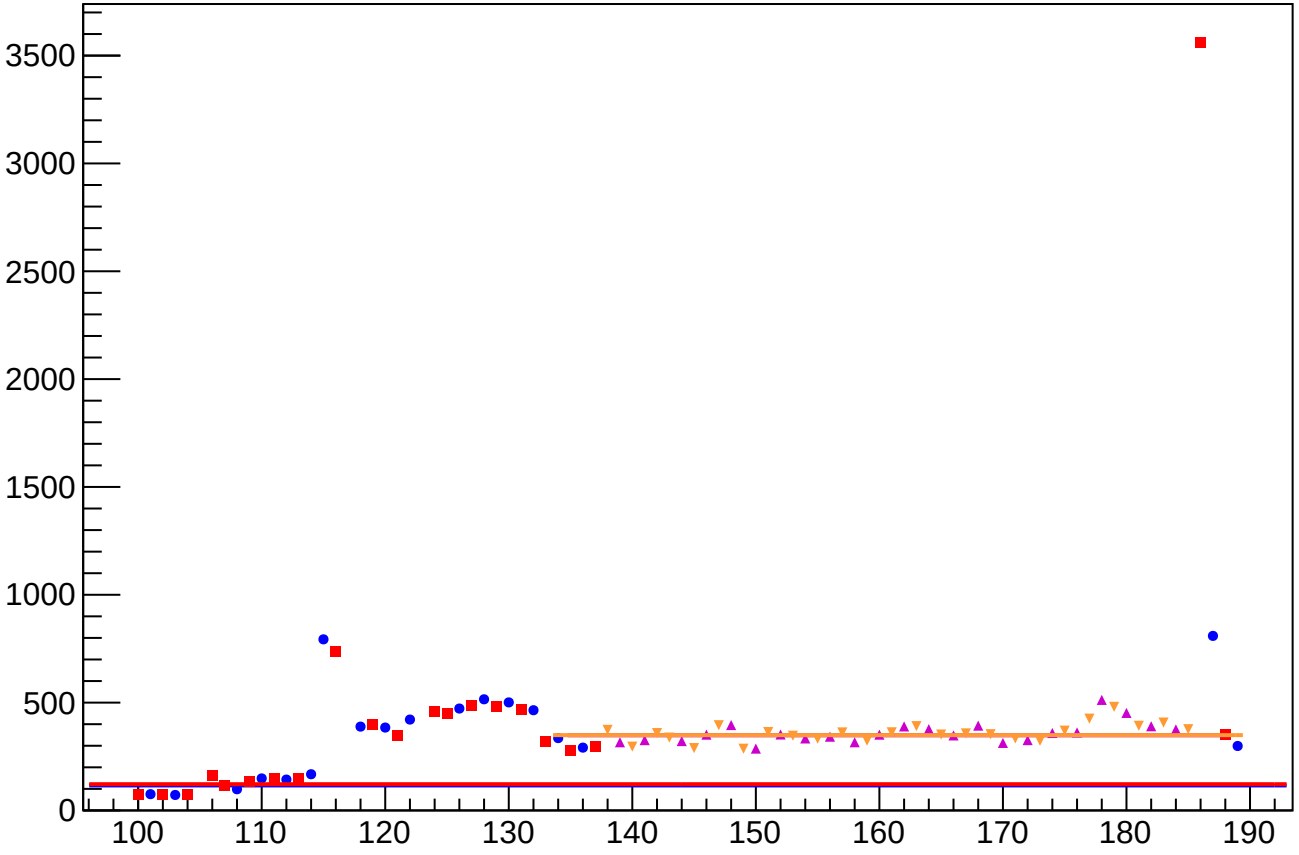
Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

+ sign -50.819+/-44.300 χ^2/NDF: 40.9/42

All: -15.013+/-31.346 χ^2/NDF: 98.5/86

- sign 20.889+/-44.359 χ^2/NDF: 56.3/43

asym_sam_15_avg_eigen_dit_correction_rms vs Slug



Right In: 115.995+/-0.038 χ^2/NDF: 6225390.9/17

Left Out: 349.177+/-0.057 χ^2/NDF:524067.1/24

Right Out: 121.737+/-0.037 χ^2/NDF: 6670097.0/20

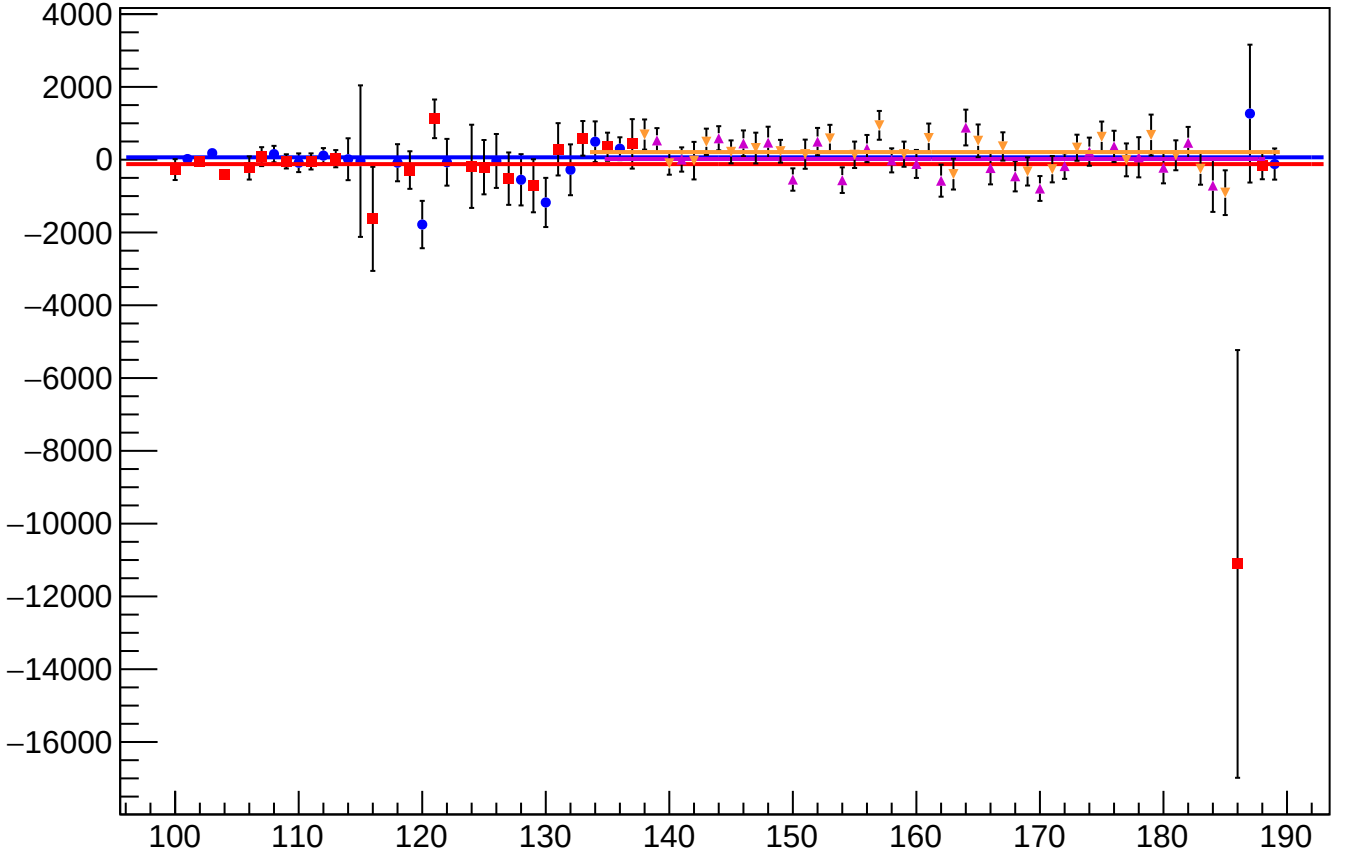
Left In: 348.560+/-0.058 χ^2/NDF:525736.6/22

+ sign 187.259+/-0.031 χ^2/NDF: 18509153.7/42

All: 187.480+/-0.022 χ^2/NDF: 36490158.2/86

- sign 187.702+/-0.031 χ^2/NDF: 17980904.1/43

asym_sam_15_avg_mean vs Slug



Right In: 65.268+/-58.584 χ^2/NDF: 16.4/17

Left Out: 209.819+/-78.511 χ^2/NDF:21.4/24

Right Out: -121.630+/-57.265 χ^2/NDF: 24.6/20

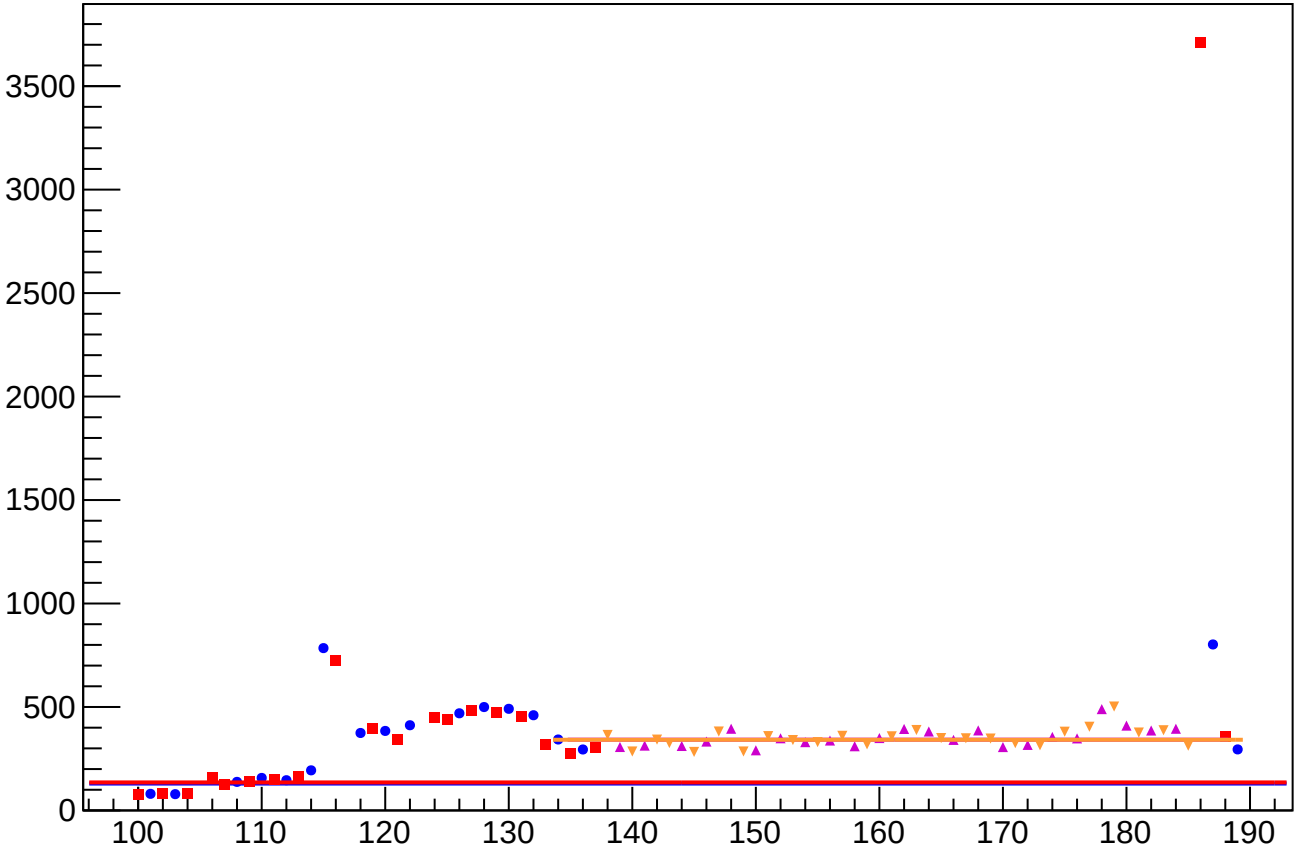
Left In: 18.738+/-80.699 χ^2/NDF:32.0/22

+ sign 116.968+/-46.953 χ^2/NDF: 40.0/42

All: 20.658+/-33.112 χ^2/NDF: 107.0/86

- sign -74.620+/-46.701 χ^2/NDF: 58.7/43

asym_sam_15_avg_rms vs Slug



Right In: 129.958+/-0.041 χ^2/NDF: 5777063.8/17

Left Out: 341.585+/-0.056 χ^2/NDF:554287.8/24

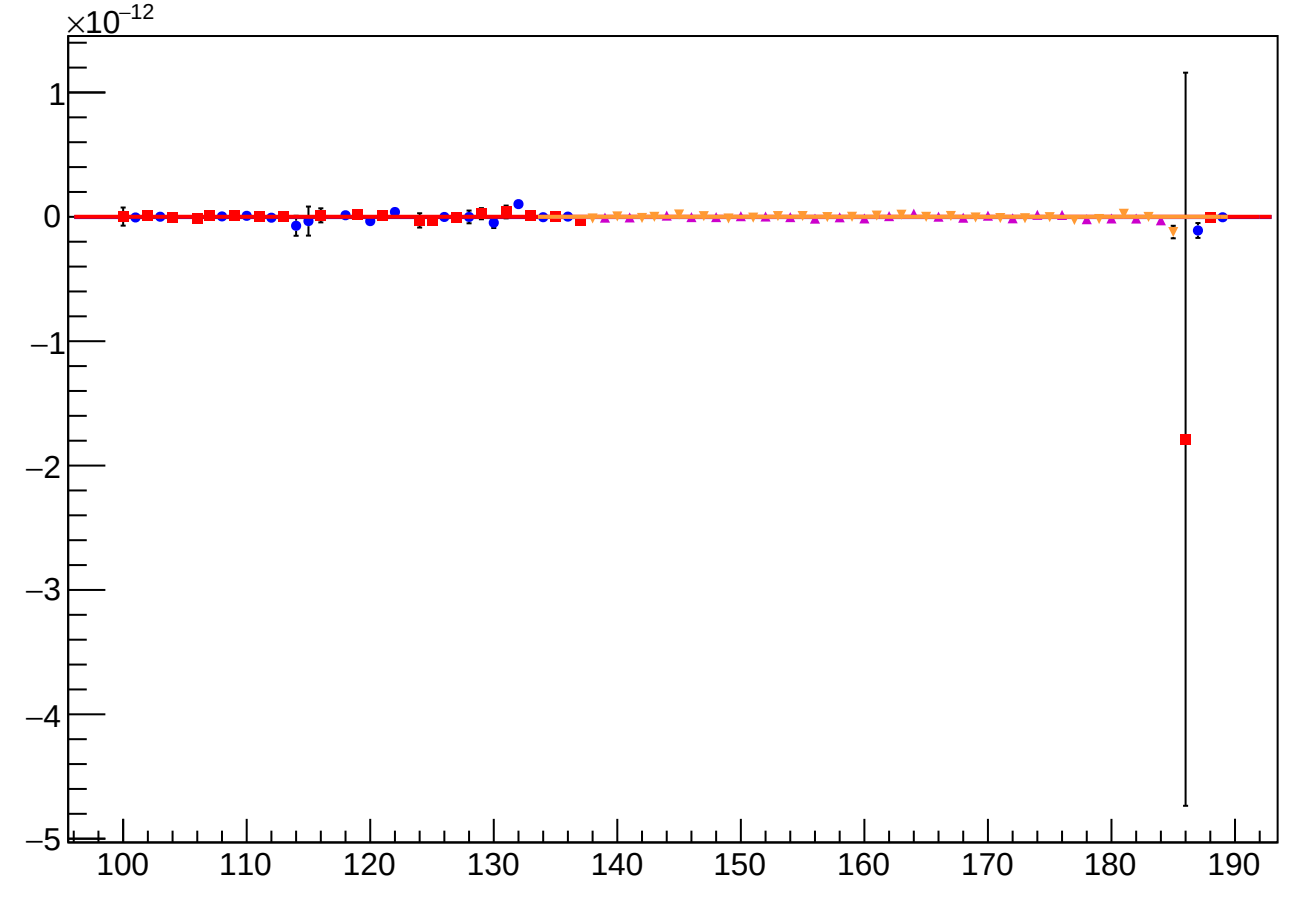
Right Out: 135.482+/-0.040 χ^2/NDF: 6092313.1/20

Left In: 341.943+/-0.057 χ^2/NDF:485509.1/22

+ sign 205.648+/-0.033 χ^2/NDF: 15665466.5/42

All: 205.134+/-0.023 χ^2/NDF: 30950389.9/86

- sign 204.627+/-0.033 χ^2/NDF: 15284448.0/43



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:28.6/24

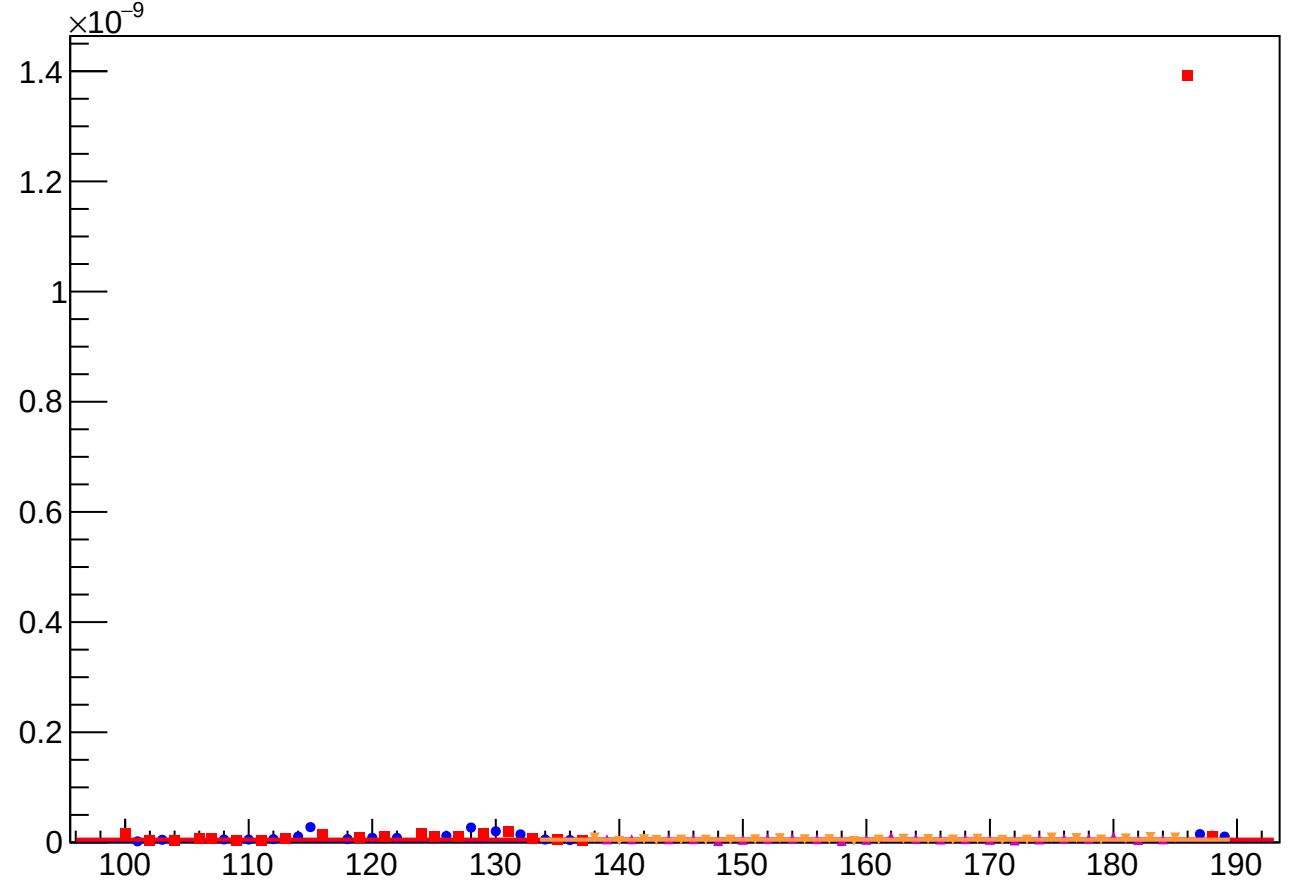
Right Out: 0.000+/-0.000 χ^2/NDF: 10.9/20

Left In: -0.000+/-0.000 χ^2/NDF:20.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 50.1/42

All: -0.000+/-0.000 χ^2/NDF: 81.6/86

- sign -0.000+/-0.000 χ^2/NDF: 31.6/43



Right In: 0.000+/-0.000 χ^2/NDF: 2415181.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:1294137.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1957158.9/20

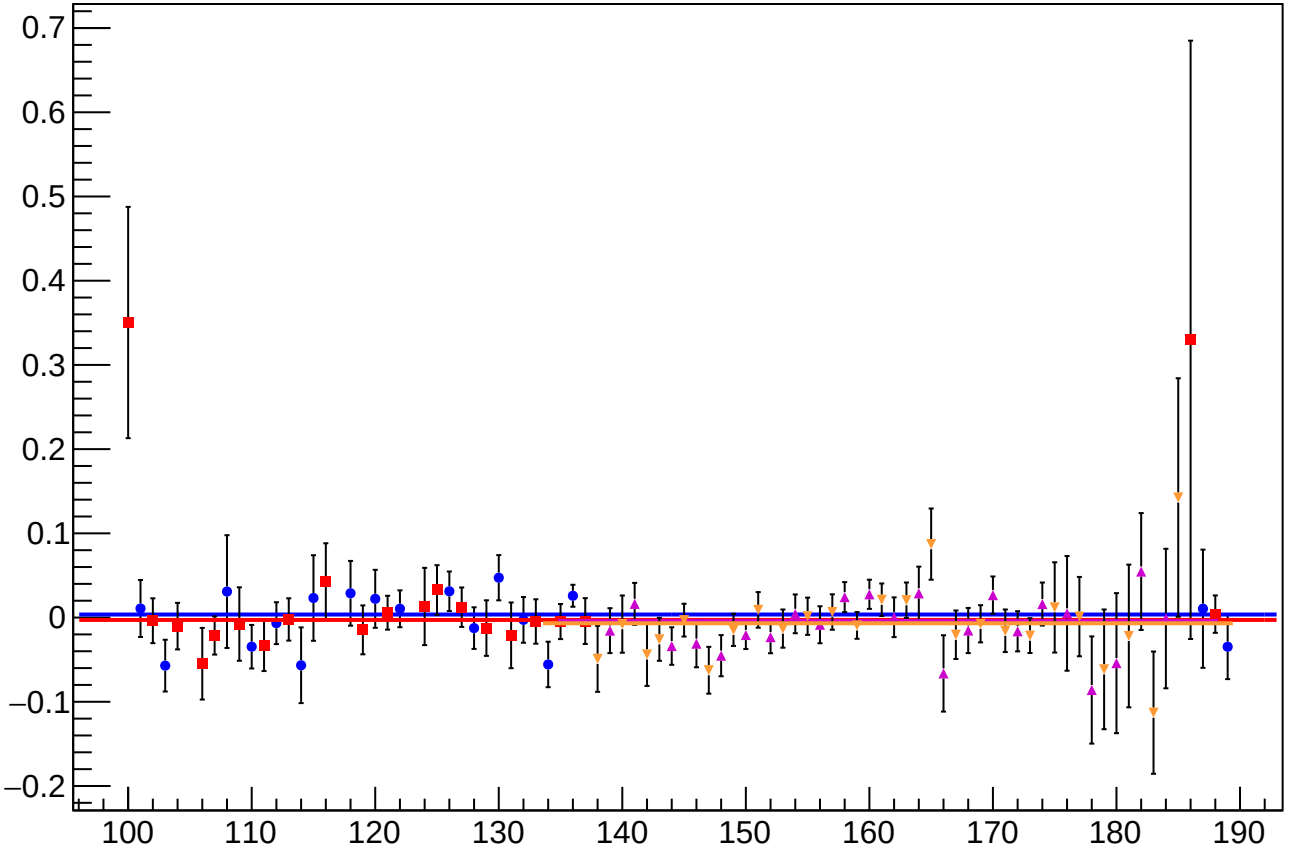
Left In: 0.000+/-0.000 χ^2/NDF:1225248.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 4004173.5/42

All: 0.000+/-0.000 χ^2/NDF: 7278277.9/86

- sign 0.000+/-0.000 χ^2/NDF: 3187194.1/43

asym_sam_15_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.006 χ^2/NDF: 22.5/17

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.003+/-0.006 χ^2/NDF: 14.6/20

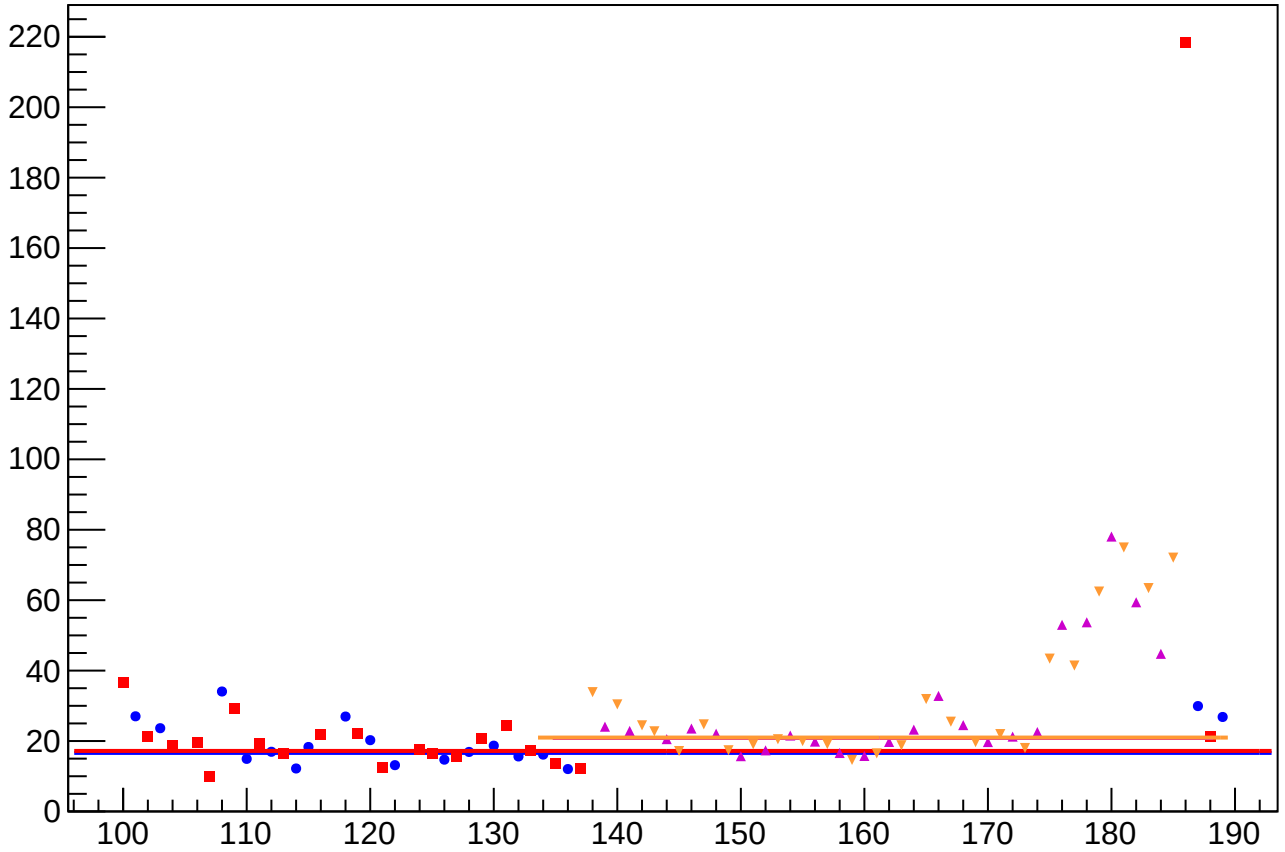
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.003+/-0.004 χ^2/NDF: 45.8/42

All: -0.003+/-0.003 χ^2/NDF: 83.6/86

- sign -0.004+/-0.004 χ^2/NDF: 37.8/43

asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug



Right In: 16.631+/-0.005 χ^2/NDF: 1164611.0/17

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

Right Out: 17.190+/-0.004 χ^2/NDF: 1580381.3/20

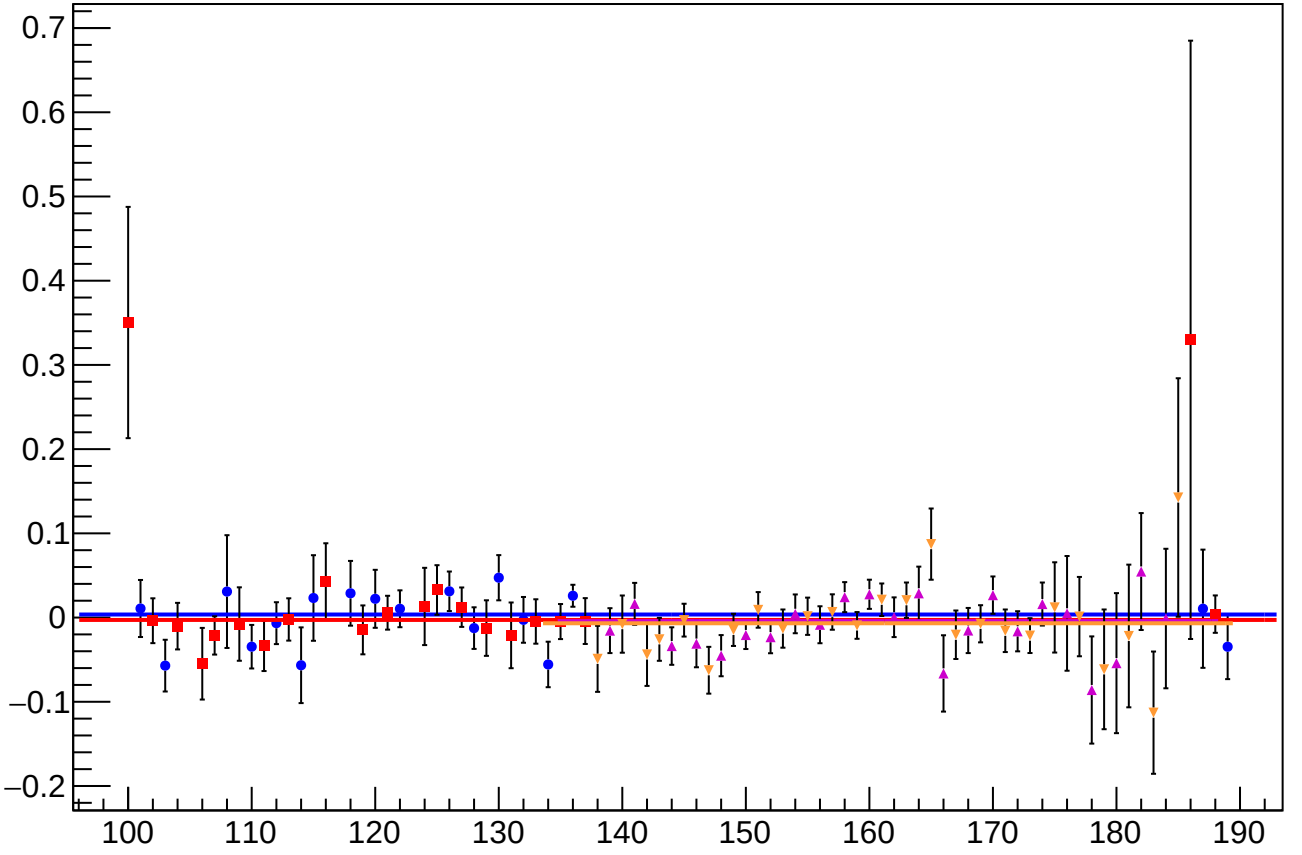
Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

+ sign 19.264+/-0.003 χ^2/NDF: 6183343.2/42

All: 19.312+/-0.002 χ^2/NDF: 11695165.0/86

- sign 19.361+/-0.003 χ^2/NDF: 5511254.1/43

asym_sam_15_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.004+/-0.006 χ^2/NDF: 22.5/17

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

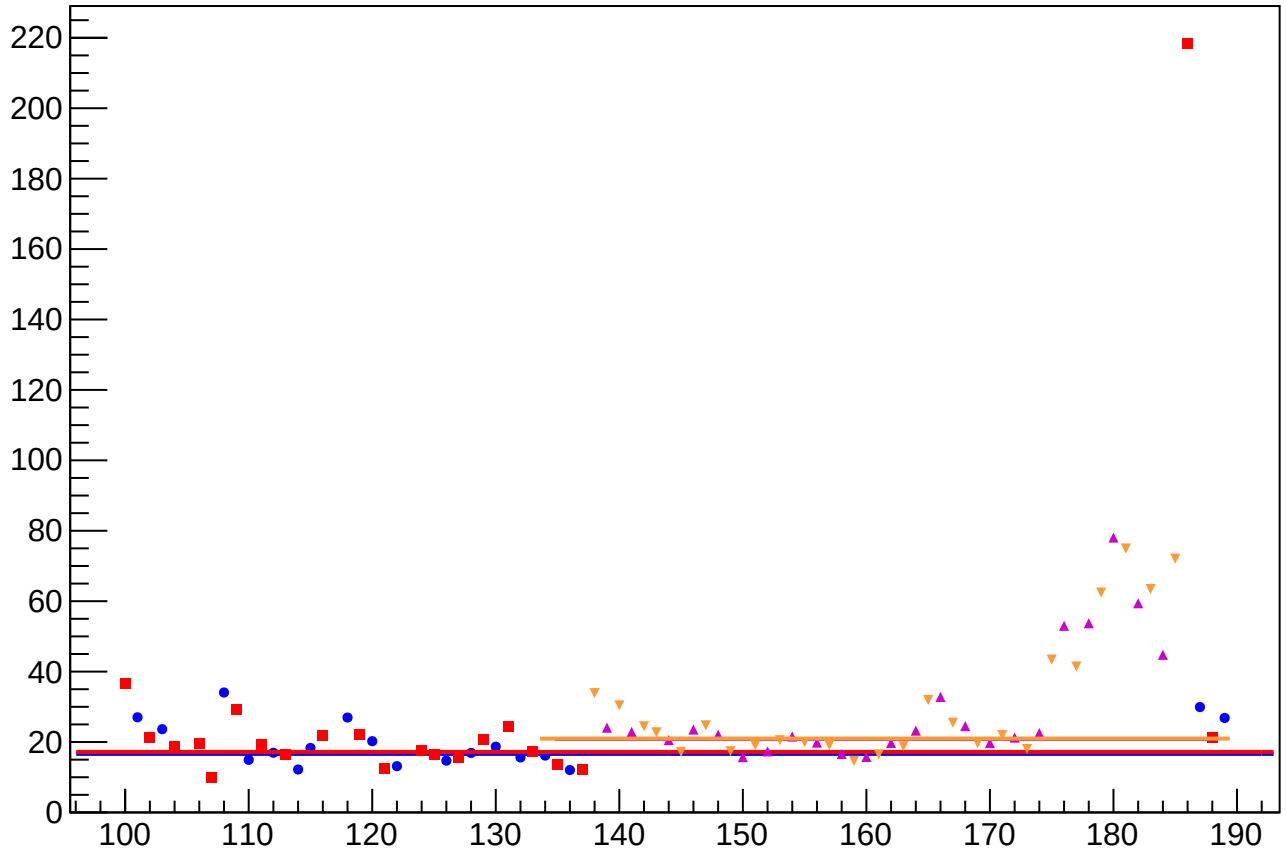
Right Out: -0.003+/-0.006 χ^2/NDF: 14.6/20

Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.003+/-0.004 χ^2/NDF: 45.8/42

All: -0.003+/-0.003 χ^2/NDF: 83.6/86

- sign -0.004+/-0.004 χ^2/NDF: 37.8/43



Right In: 16.631+/-0.005 χ^2/NDF: 1164611.0/17

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

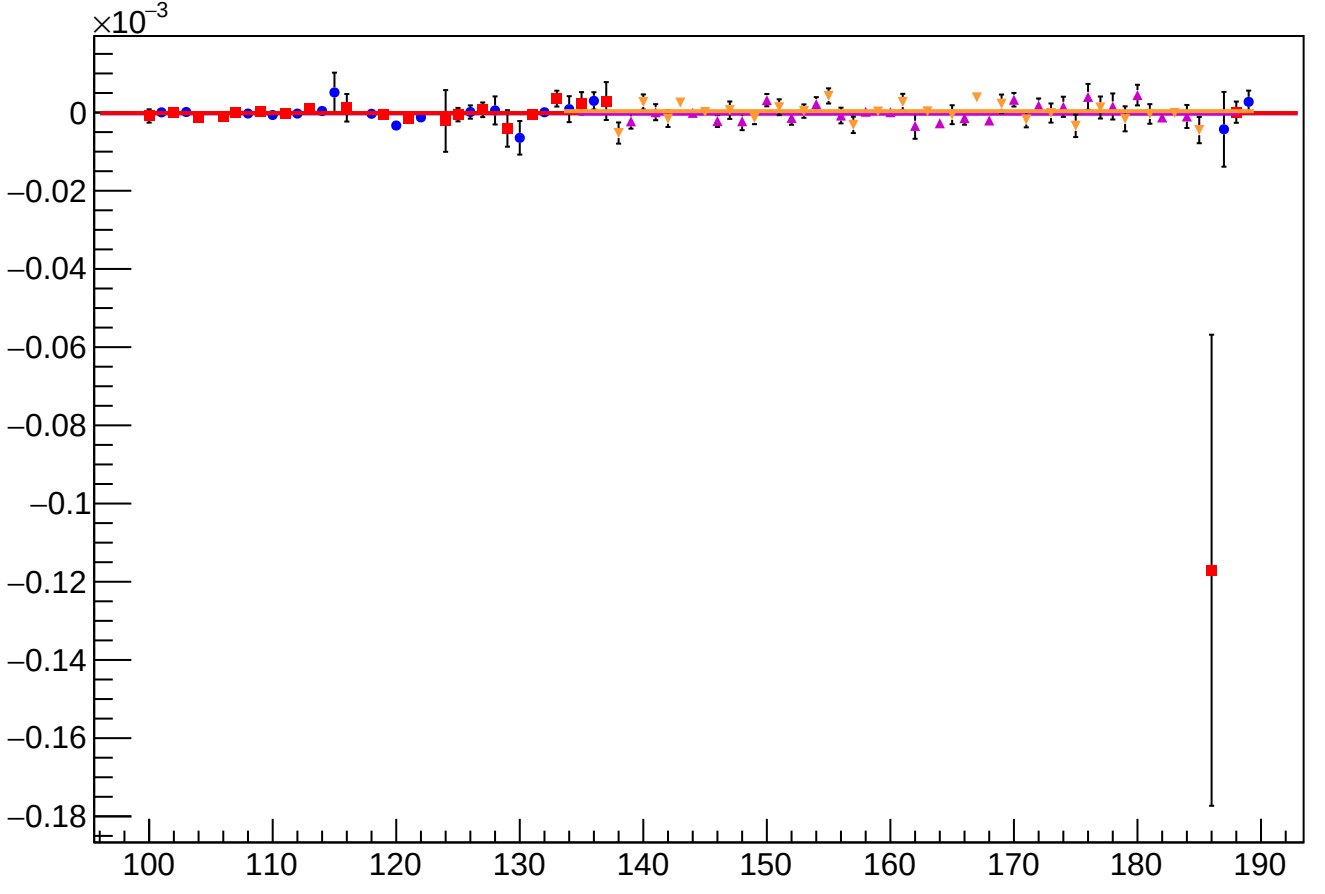
Right Out: 17.190+/-0.004 χ^2/NDF: 1580381.3/20

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

+ sign 19.264+/-0.003 χ^2/NDF: 6183343.2/42

All: 19.312+/-0.002 χ^2/NDF: 11695165.0/86

- sign 19.361+/-0.003 χ^2/NDF: 5511254.1/43



Right In: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:34.2/24

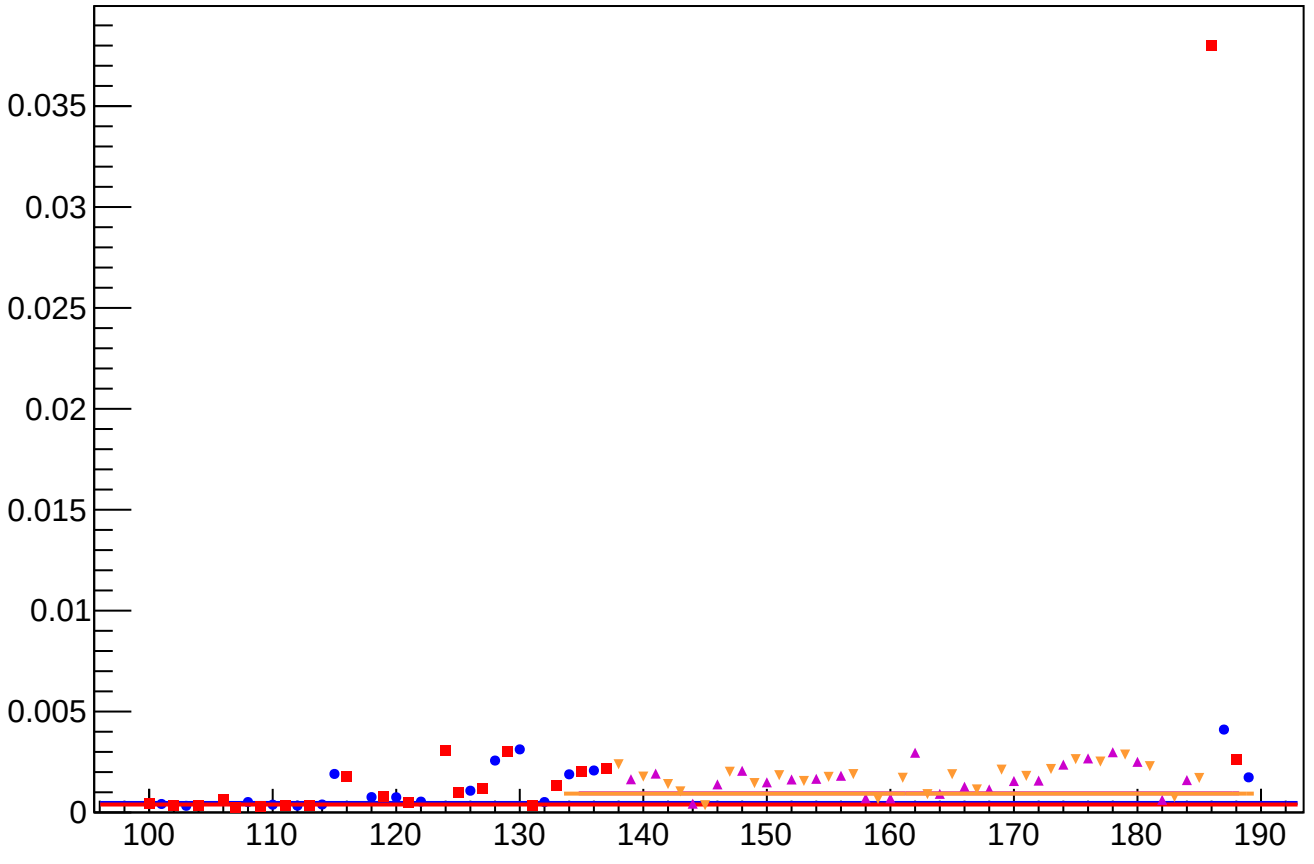
Right Out: -0.000+/-0.000 χ^2/NDF: 24.0/20

Left In: -0.000+/-0.000 χ^2/NDF:31.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.8/42

All: -0.000+/-0.000 χ^2/NDF: 109.3/86

- sign -0.000+/-0.000 χ^2/NDF: 55.8/43



Right In: 0.000+/-0.000 χ^2/NDF: 4697622.9/17

Left Out: 0.001+/-0.000 χ^2/NDF:11996378.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6166528.9/20

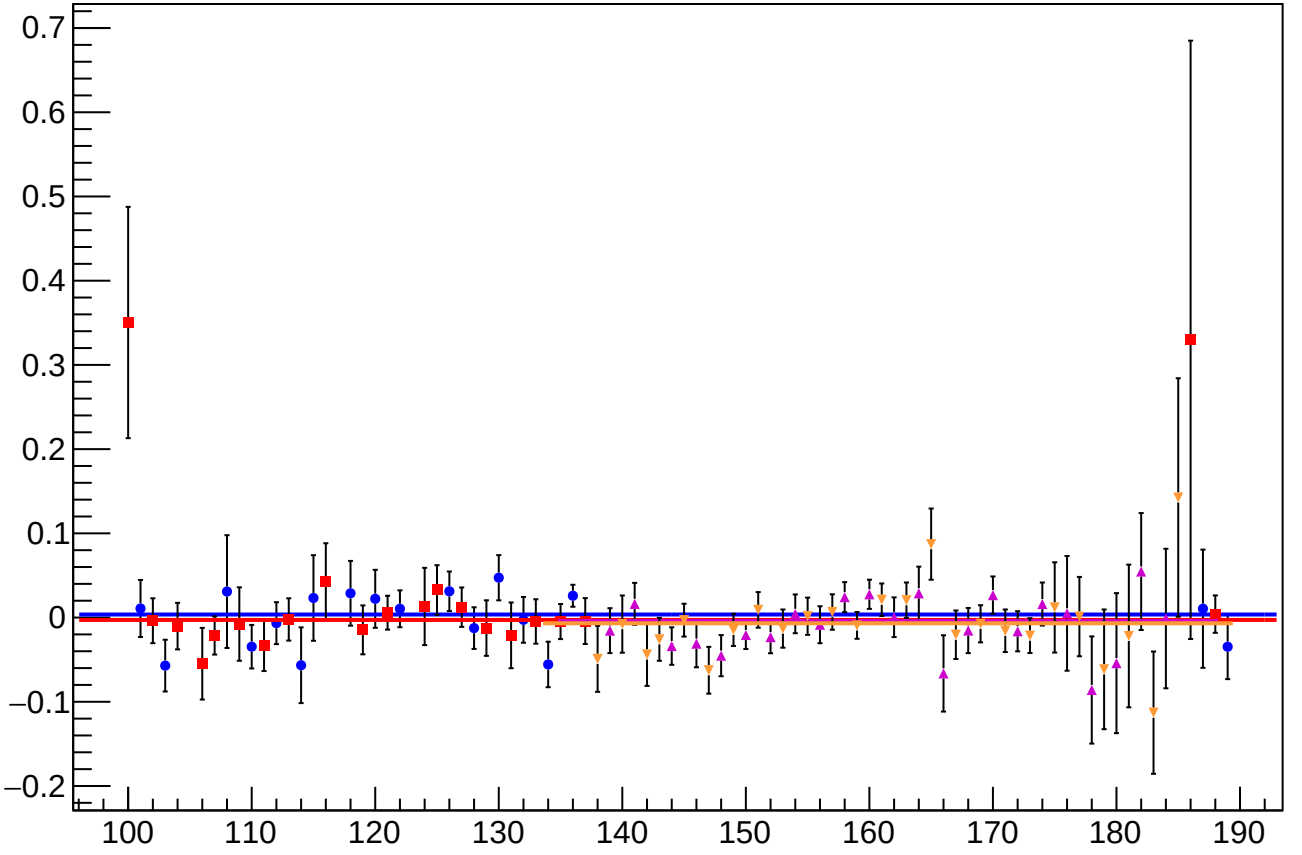
Left In: 0.001+/-0.000 χ^2/NDF:9470540.4/22

+ sign 0.001+/-0.000 χ^2/NDF: 20536527.7/42

All: 0.001+/-0.000 χ^2/NDF: 42741435.7/86

- sign 0.001+/-0.000 χ^2/NDF: 21864831.5/43

asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.006 χ^2/NDF: 22.5/17

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.003+/-0.006 χ^2/NDF: 14.6/20

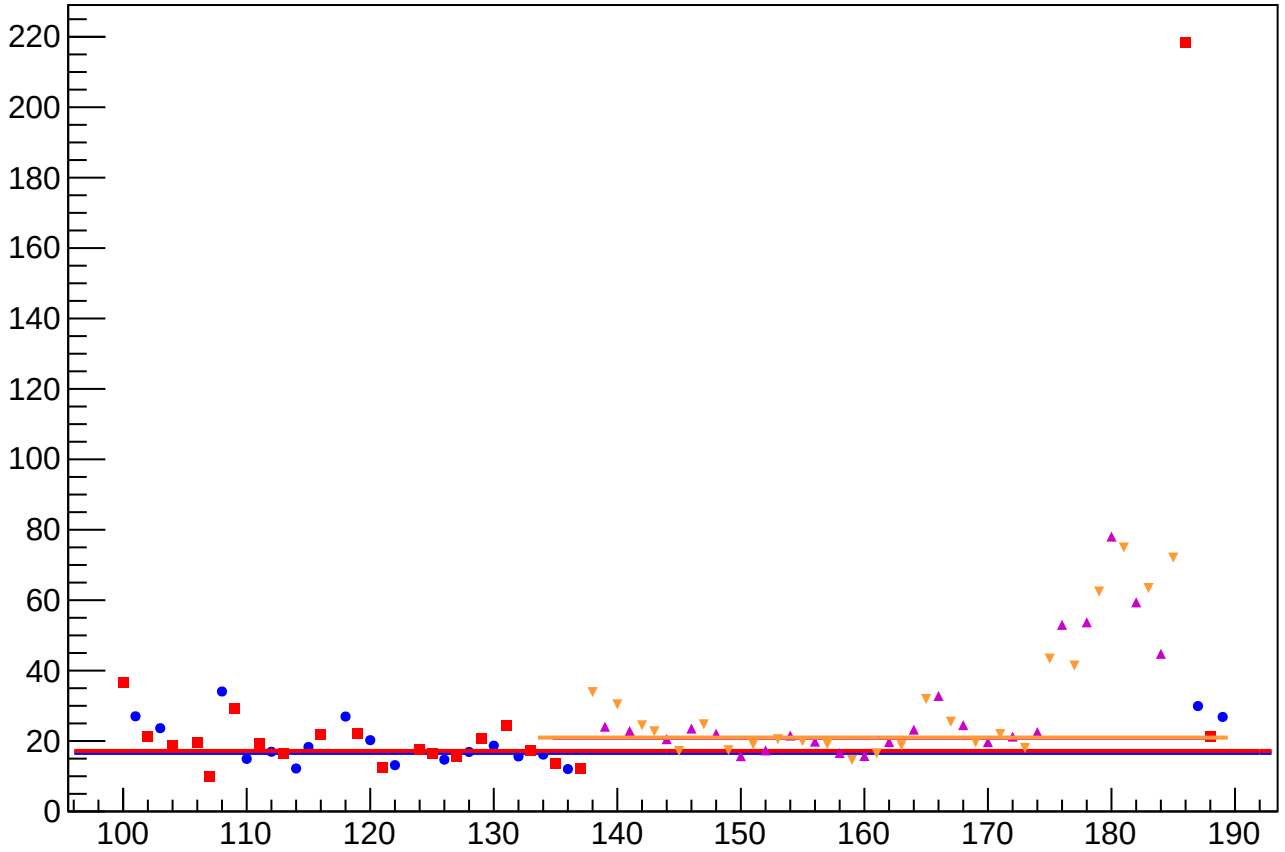
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.003+/-0.004 χ^2/NDF: 45.8/42

All: -0.003+/-0.003 χ^2/NDF: 83.6/86

- sign -0.004+/-0.004 χ^2/NDF: 37.8/43

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 16.631+/-0.005 χ^2/NDF: 1164647.2/17

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

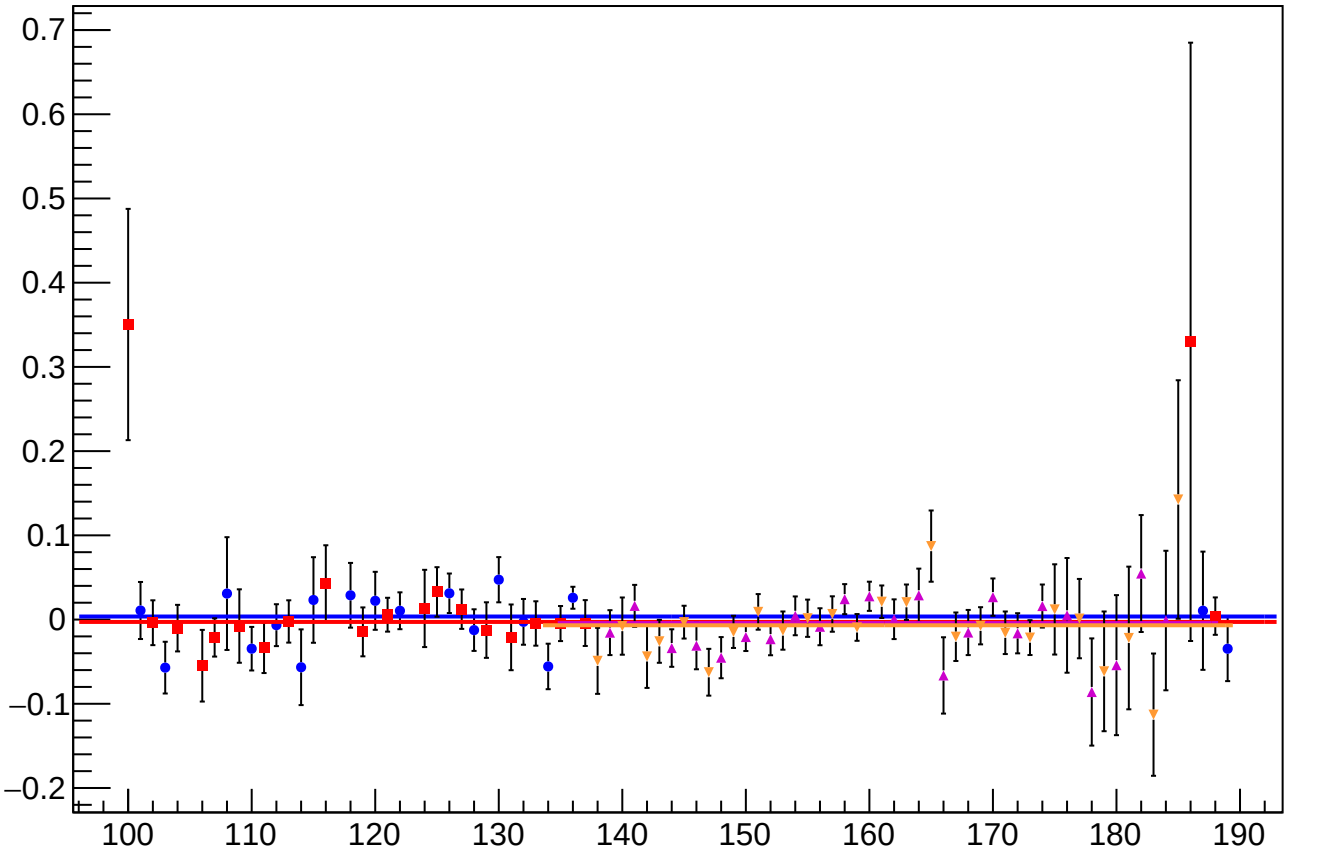
Right Out: 17.190+/-0.004 χ^2/NDF: 1580379.6/20

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

+ sign 19.264+/-0.003 χ^2/NDF: 6183429.9/42

All: 19.312+/-0.002 χ^2/NDF: 11695360.5/86

- sign 19.361+/-0.003 χ^2/NDF: 5511363.7/43



Right In: 0.004+/-0.006 χ^2/NDF: 22.5/17

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

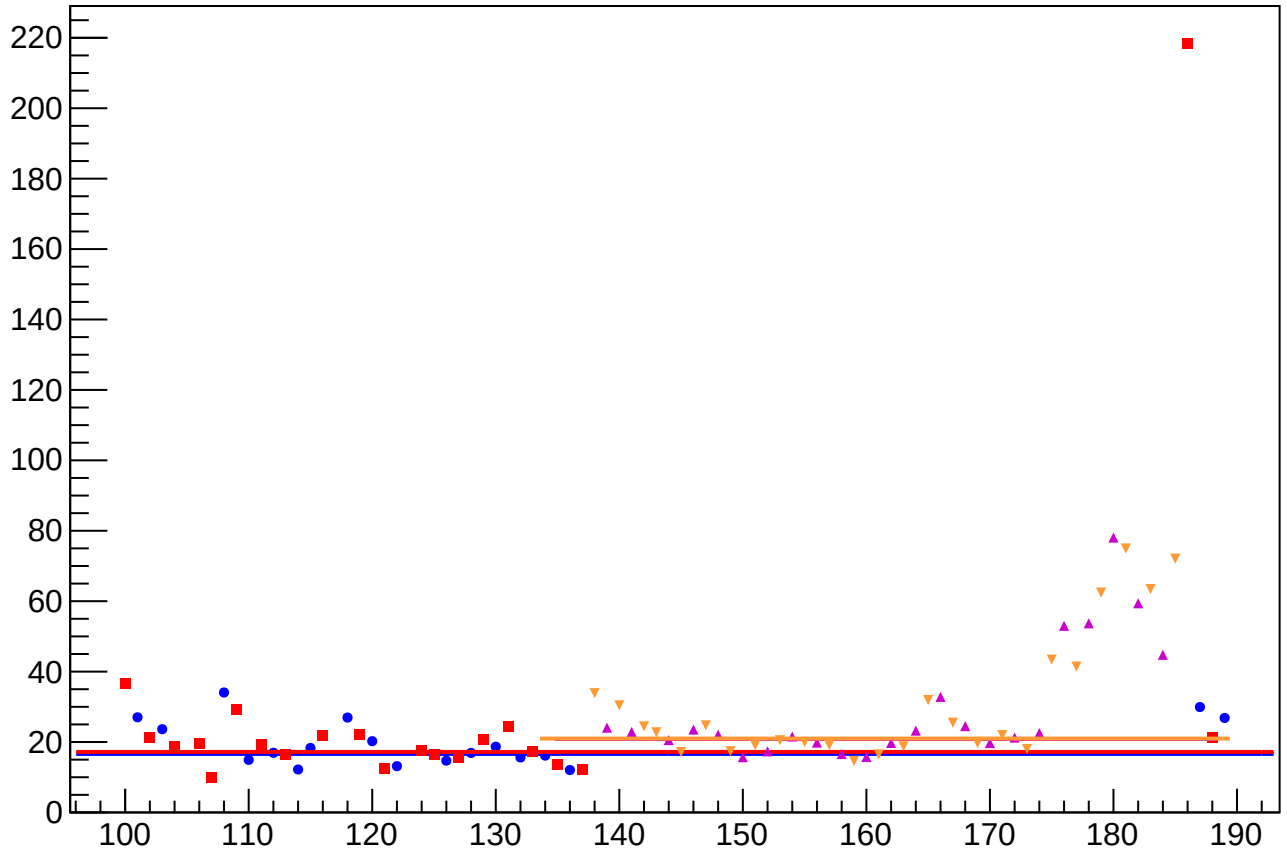
Right Out: -0.003+/-0.006 χ^2/NDF: 14.6/20

Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.003+/-0.004 χ^2/NDF: 45.8/42

All: -0.003+/-0.003 χ^2/NDF: 83.6/86

- sign -0.004+/-0.004 χ^2/NDF: 37.8/43



Right In: 16.631+/-0.005 χ^2/NDF: 1164647.2/17

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

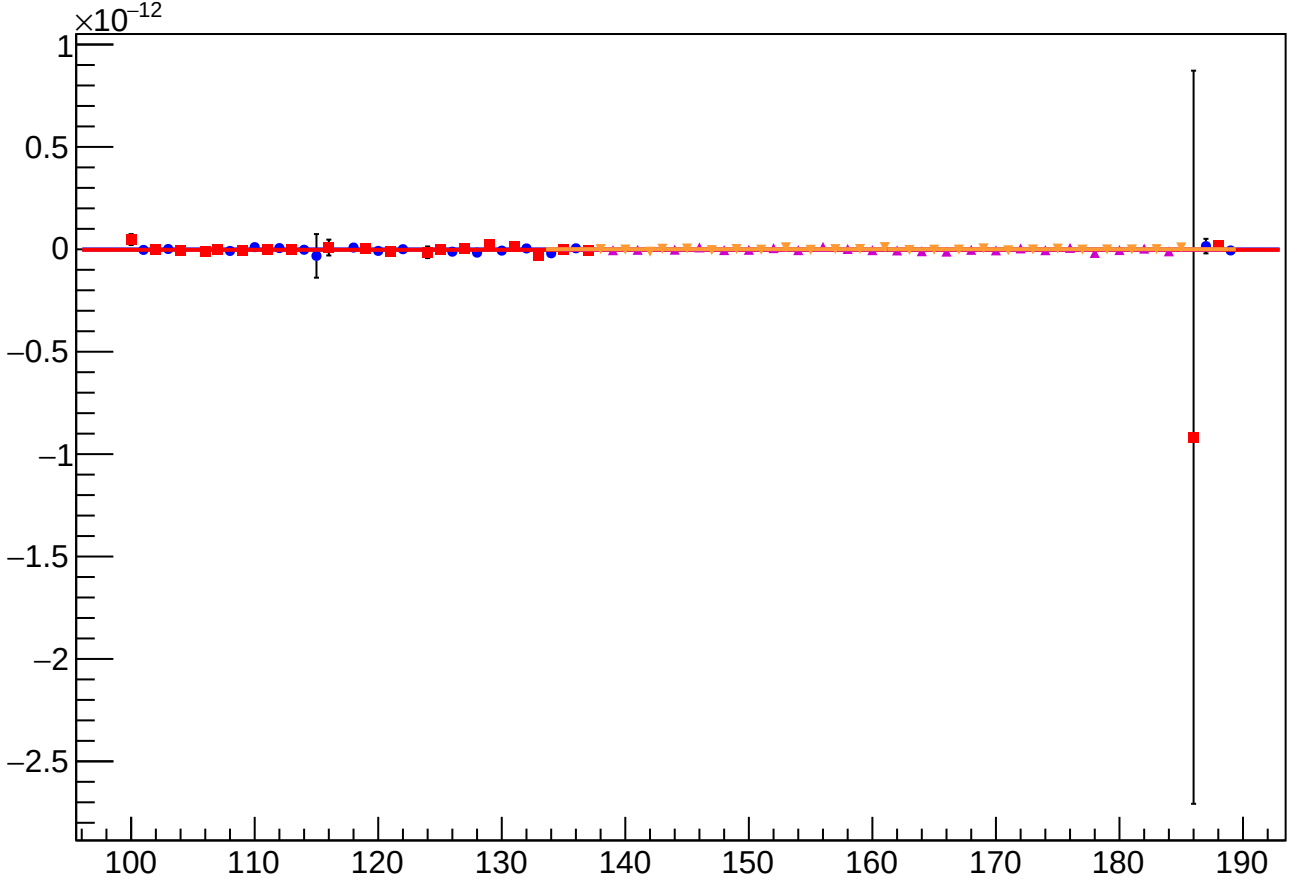
Right Out: 17.190+/-0.004 χ^2/NDF: 1580379.6/20

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

+ sign 19.264+/-0.003 χ^2/NDF: 6183429.9/42

All: 19.312+/-0.002 χ^2/NDF: 11695360.5/86

- sign 19.361+/-0.003 χ^2/NDF: 5511363.7/43



Right In: -0.000+/-0.000 χ^2/NDF: 13.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/24

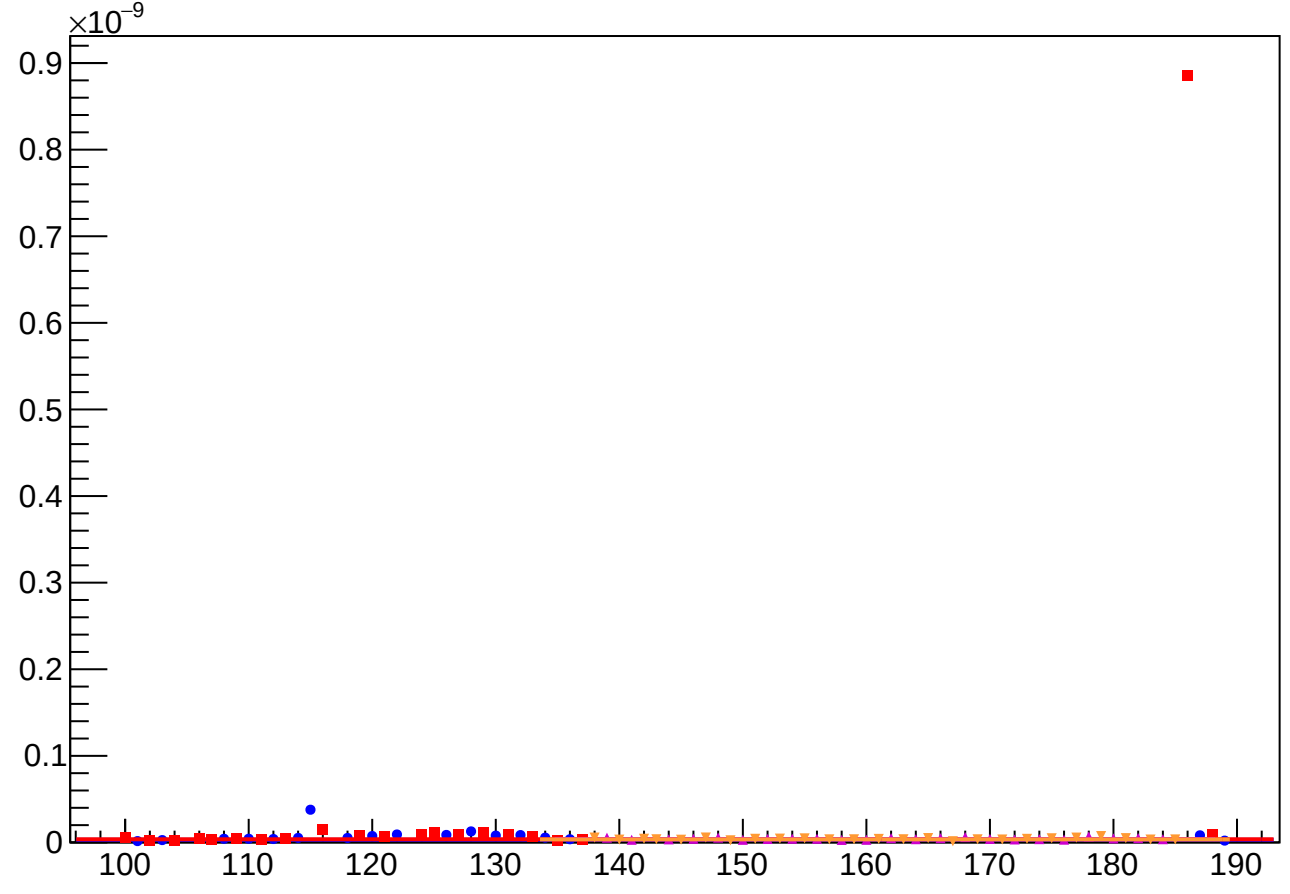
Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/20

Left In: -0.000+/-0.000 χ^2/NDF:26.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 27.9/42

All: -0.000+/-0.000 χ^2/NDF: 73.6/86

- sign -0.000+/-0.000 χ^2/NDF: 44.5/43



Right In: 0.000+/-0.000 χ^2/NDF: 3011668.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:2527443.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3473189.9/20

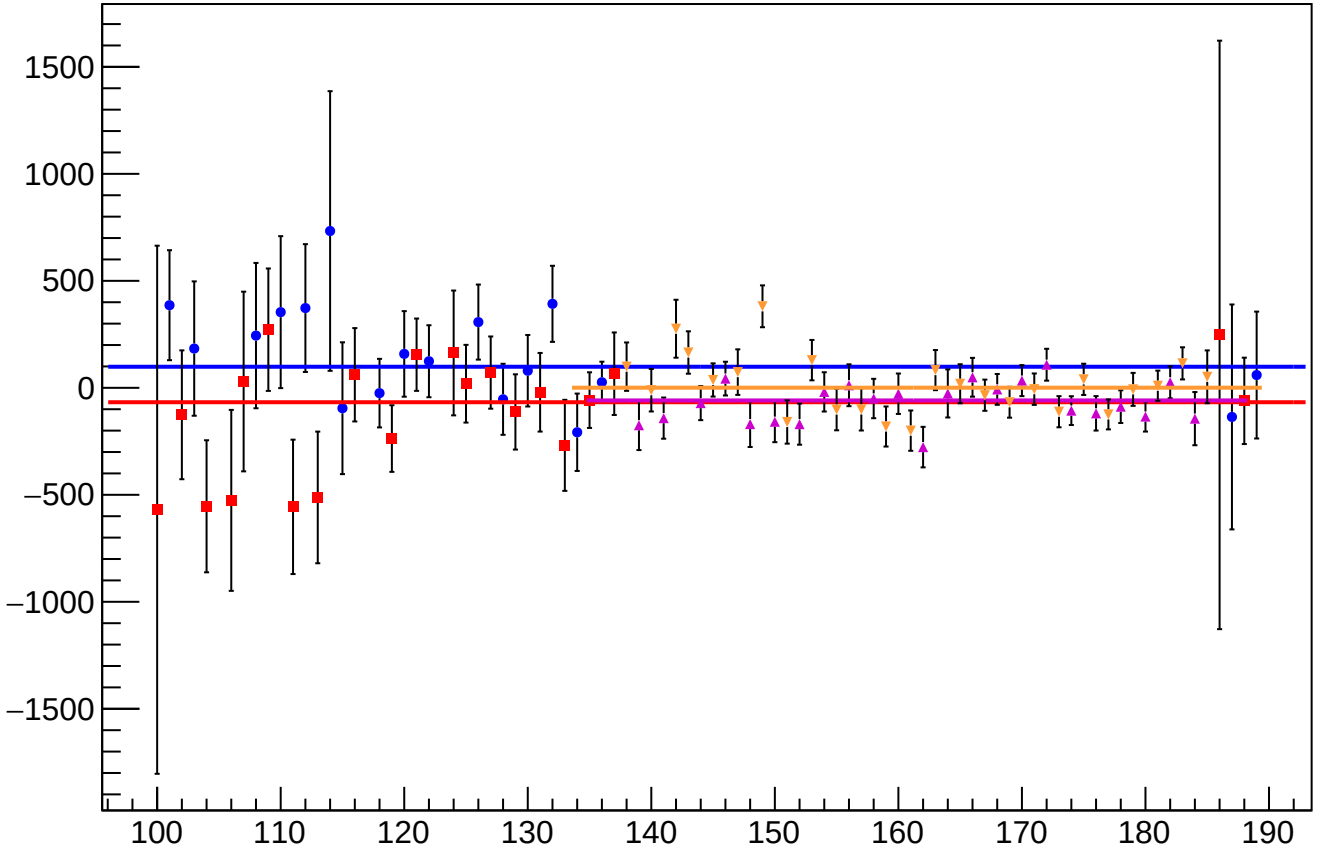
Left In: 0.000+/-0.000 χ^2/NDF:1198286.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5691896.9/42

All: 0.000+/-0.000 χ^2/NDF: 10640825.3/86

- sign 0.000+/-0.000 χ^2/NDF: 4703408.2/43

reg_asym_sam_26_avg_mean vs Slug



Right In: 98.532+/-46.841 χ^2/NDF: 13.6/17

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: -67.321+/-47.888 χ^2/NDF: 16.2/20

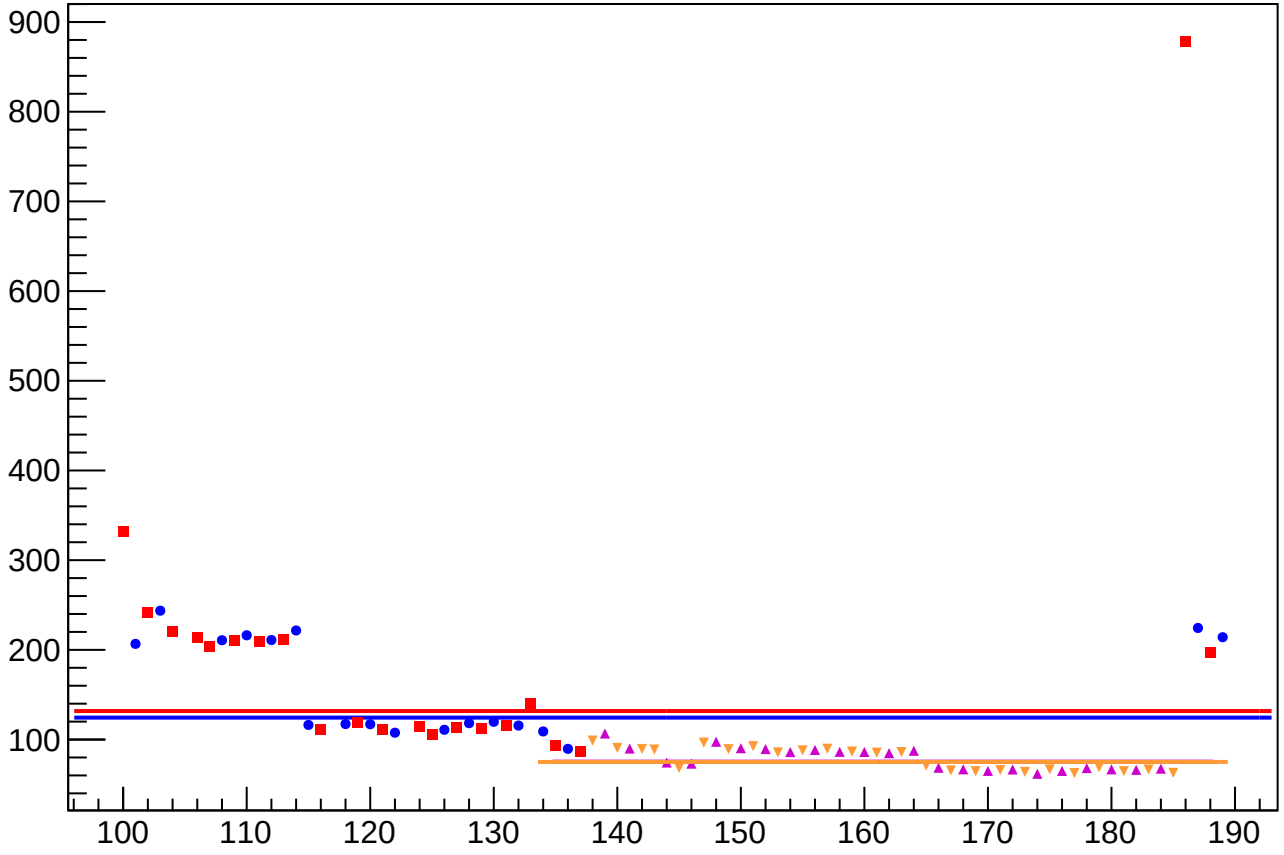
Left In: -58.907+/-17.879 χ^2/NDF:25.8/22

\+ sign 12.377+/-16.244 χ^2/NDF: 66.0/42

All: -22.673+/-11.661 χ^2/NDF: 117.7/86

\- sign -59.936+/-16.750 χ^2/NDF: 42.0/43

reg_asym_sam_26_avg_rms vs Slug



Right In: 124.459+/-0.033 χ^2/NDF: 1550401.6/17

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

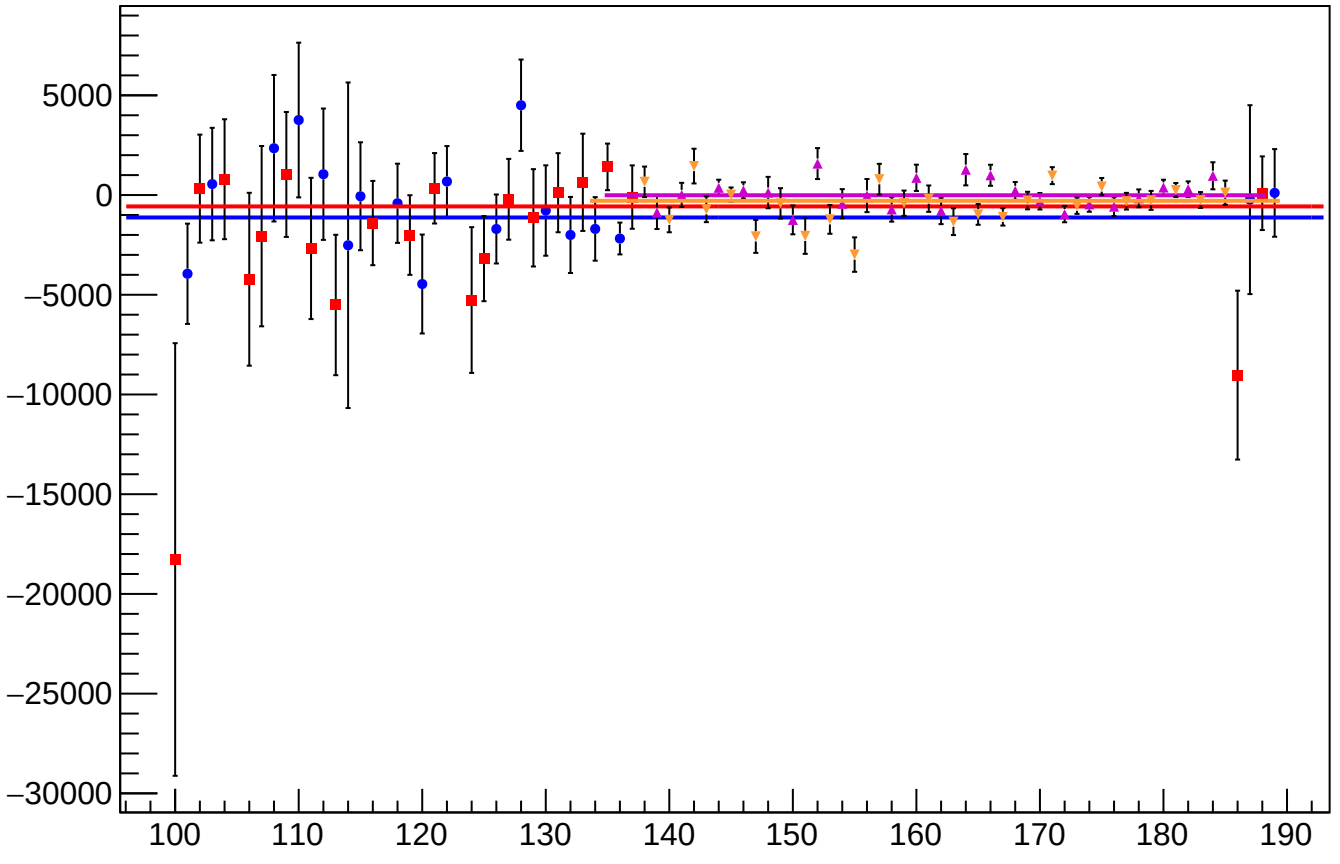
Right Out: 131.781+/-0.034 χ^2/NDF: 2286839.1/20

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 80.985+/-0.011 χ^2/NDF: 4436906.2/42

All: 81.601+/-0.008 χ^2/NDF: 10004602.1/86

- sign 82.255+/-0.012 χ^2/NDF: 5561765.3/43



Right In: -1124.527+/-465.655 χ^2/NDF: 16.3/17

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -570.260+/-498.607 χ^2/NDF: 18.0/20

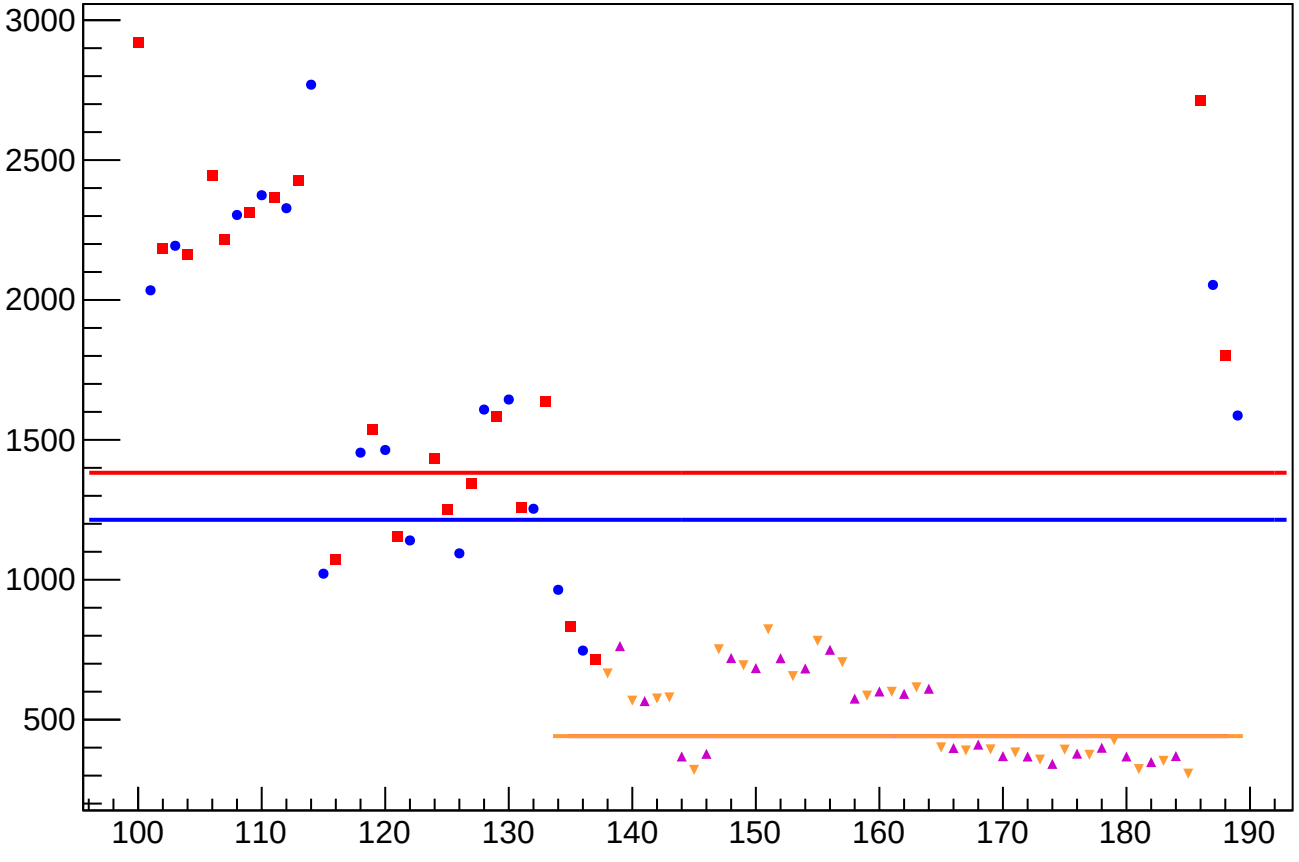
Left In: -10.643+/-107.669 χ^2/NDF:33.4/22

+ sign -328.720+/-102.643 χ^2/NDF: 72.6/42

All: -185.815+/-73.482 χ^2/NDF: 129.3/86

- sign -35.576+/-105.244 χ^2/NDF: 52.6/43

asym_sam_26_avg_reg_correction_rms vs Slug



Right In: 1214.358+/-0.329 χ^2/NDF: 2171035.0/17

Left Out: 441.128+/-0.074 χ^2/NDF:3234629.2/24

Right Out: 1382.454+/-0.353 χ^2/NDF: 2279022.3/20

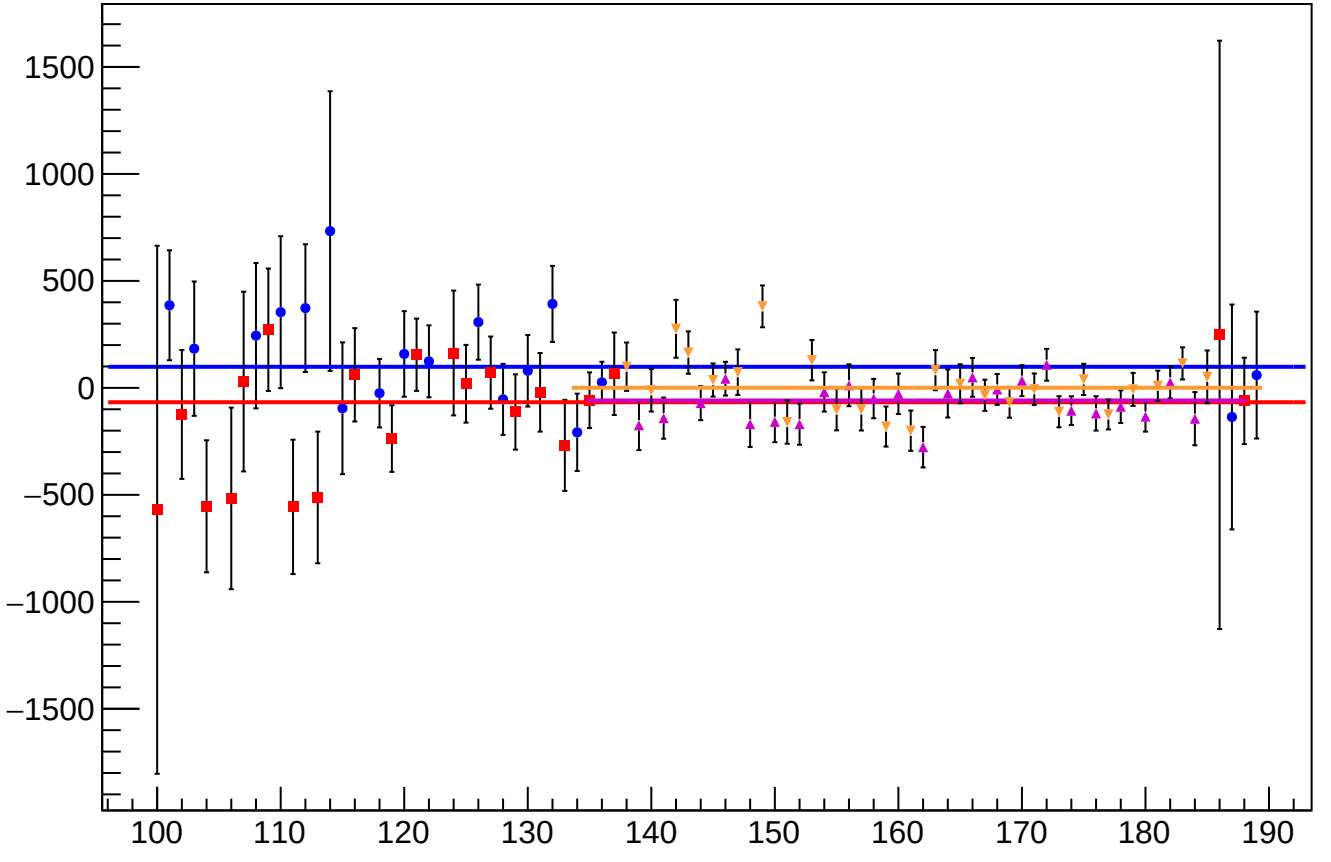
Left In: 441.196+/-0.076 χ^2/NDF:2682075.8/22

+ sign 478.698+/-0.073 χ^2/NDF: 10652364.6/42

All: 480.859+/-0.052 χ^2/NDF: 22425127.8/86

- sign 483.132+/-0.074 χ^2/NDF: 11770944.1/43

cor_asym_sam_26_avg_mean vs Slug



Right In: 98.519+/-46.841 χ^2/NDF: 13.6/17

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: -67.106+/-47.891 χ^2/NDF: 16.1/20

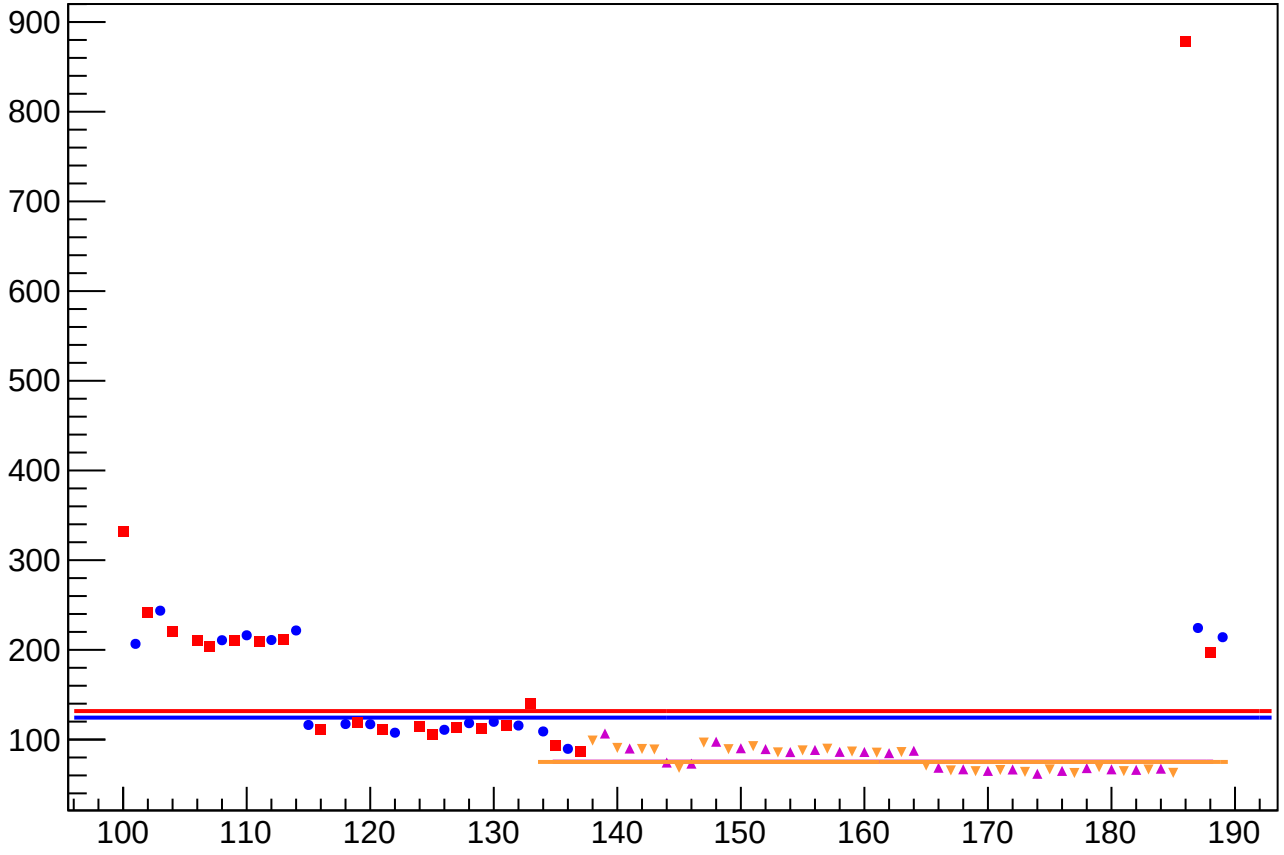
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

+ sign 12.375+/-16.244 χ^2/NDF: 66.0/42

All: -22.659+/-11.661 χ^2/NDF: 117.6/86

- sign -59.907+/-16.750 χ^2/NDF: 42.0/43

cor_asym_sam_26_avg_rms vs Slug



Right In: 124.459+/-0.033 χ^2/NDF: 1550404.1/17

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

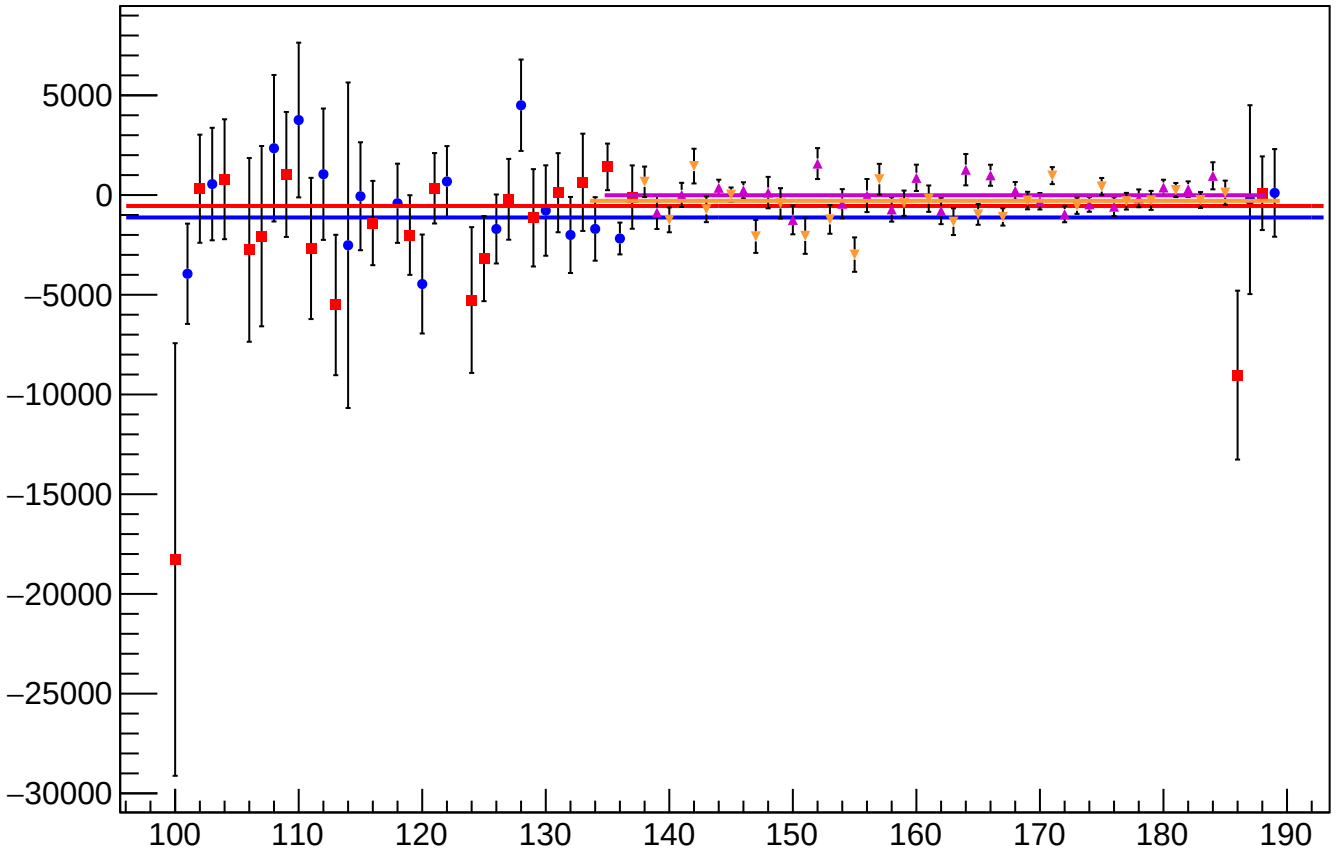
Right Out: 131.734+/-0.034 χ^2/NDF: 2281120.9/20

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 80.985+/-0.011 χ^2/NDF: 4436908.2/42

All: 81.598+/-0.008 χ^2/NDF: 9994553.4/86

- sign 82.249+/-0.012 χ^2/NDF: 5551774.4/43



Right In: -1124.504+/-465.656 χ^2/NDF: 16.3/17

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -547.644+/-498.998 χ^2/NDF: 17.5/20

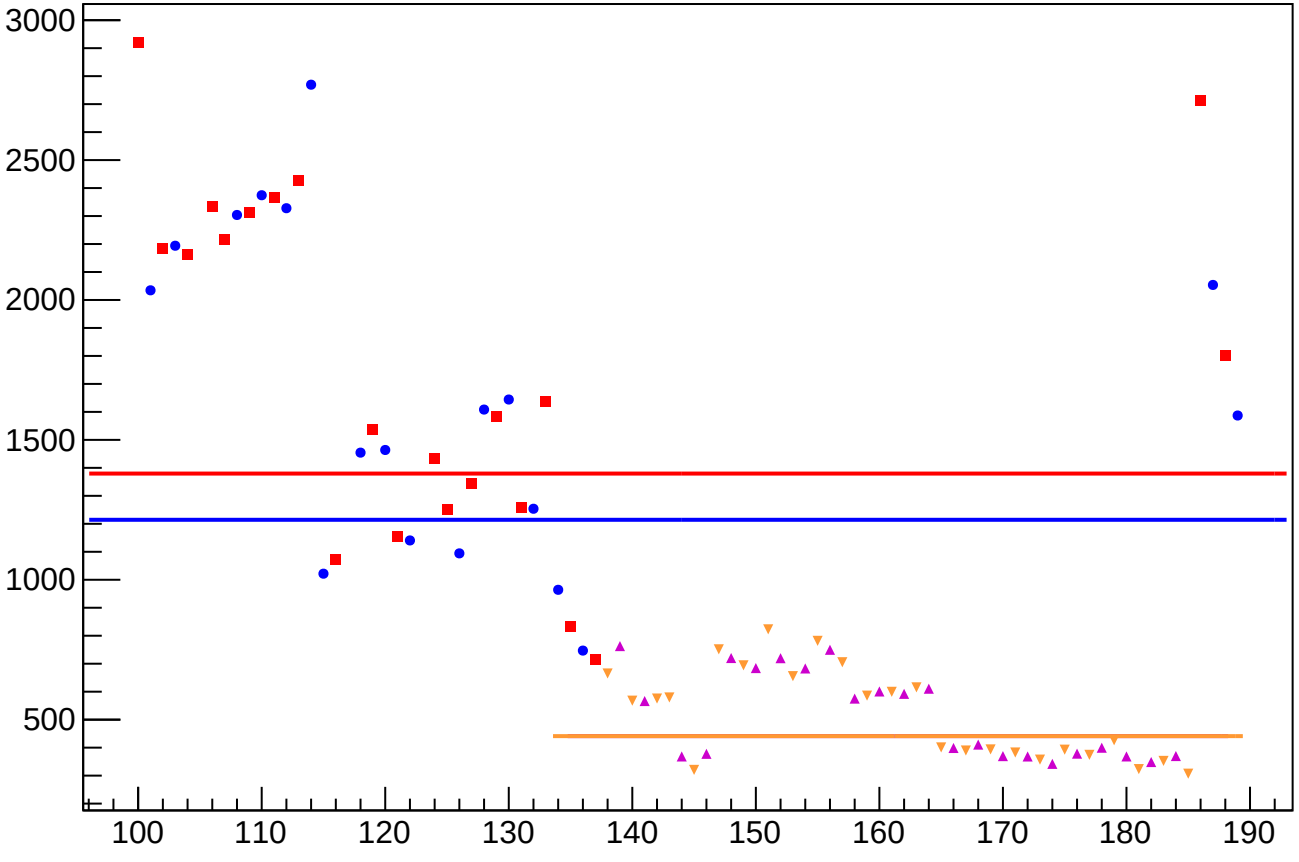
Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

+ sign -328.719+/-102.643 χ^2/NDF: 72.6/42

All: -185.311+/-73.483 χ^2/NDF: 128.7/86

- sign -34.533+/-105.247 χ^2/NDF: 52.0/43

asym_sam_26_avg_cor_correction_rms vs Slug



Right In: 1214.358+/-0.329 χ^2/NDF: 2171066.1/17

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1379.569+/-0.353 χ^2/NDF: 2244782.5/20

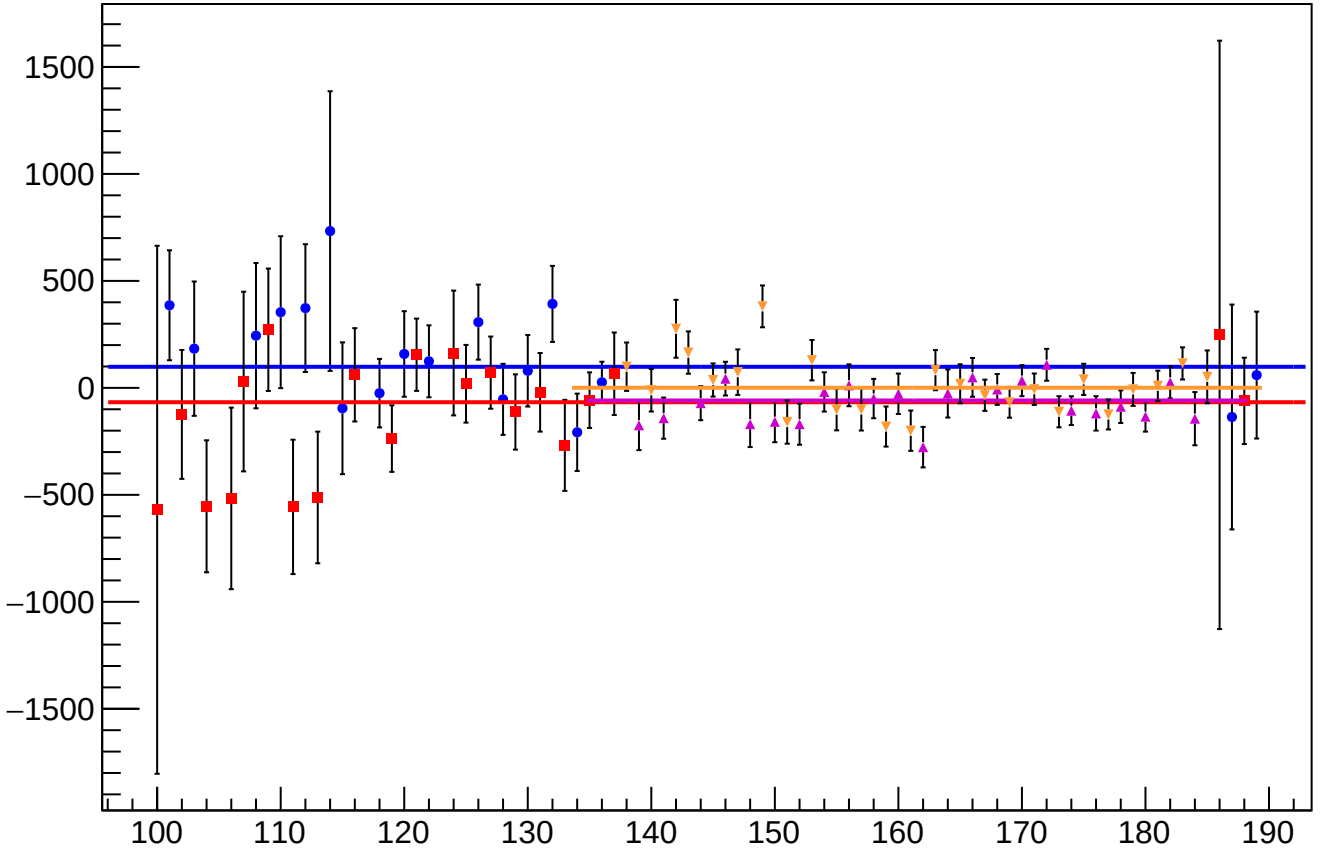
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

+ sign 478.698+/-0.073 χ^2/NDF: 10652372.4/42

All: 480.766+/-0.052 χ^2/NDF: 22338929.3/86

- sign 482.941+/-0.074 χ^2/NDF: 11684891.0/43

eigen_cor_asym_sam_26_avg_mean vs Slug



Right In: 98.519+/-46.841 χ^2/NDF: 13.6/17

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: -67.106+/-47.891 χ^2/NDF: 16.1/20

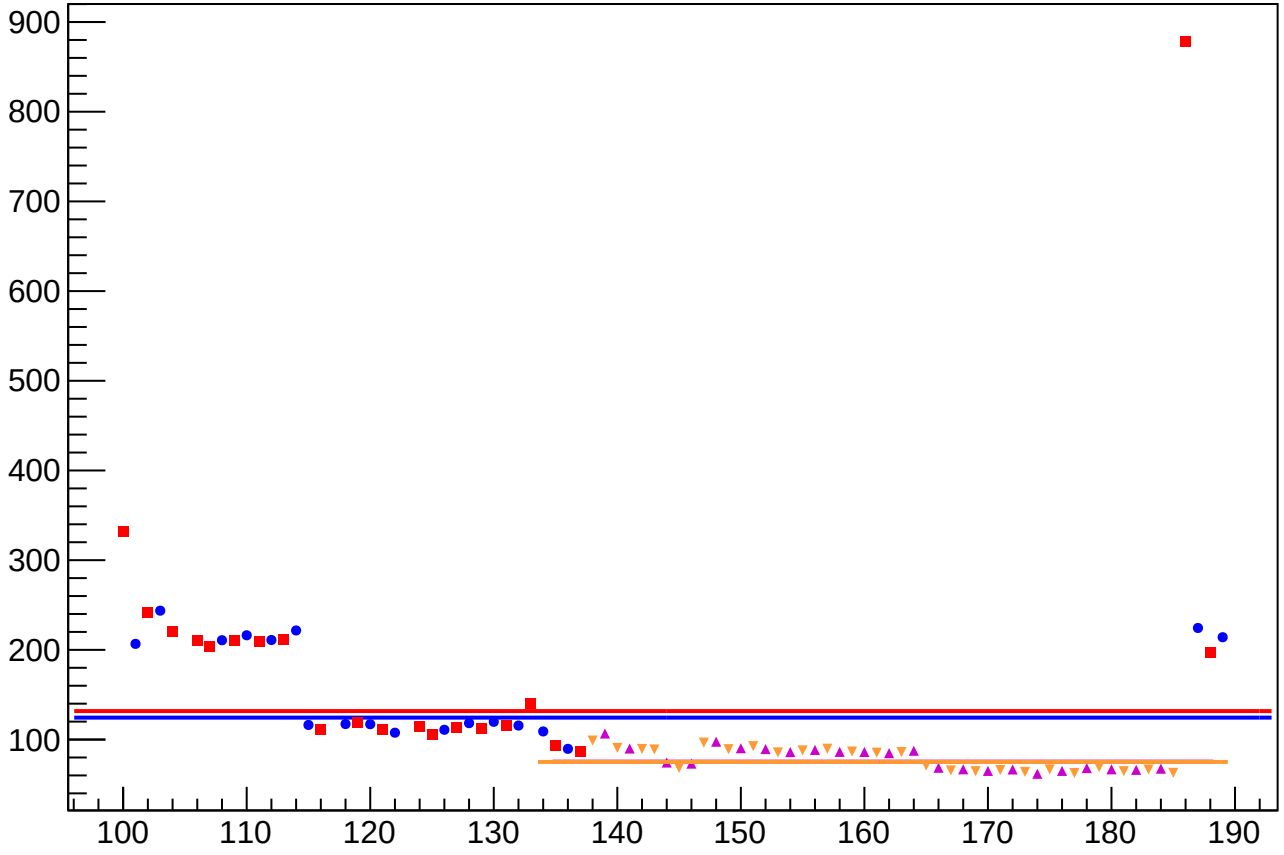
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

+ sign 12.375+/-16.244 χ^2/NDF: 66.0/42

All: -22.659+/-11.661 χ^2/NDF: 117.6/86

- sign -59.907+/-16.750 χ^2/NDF: 42.0/43

eigen_cor_asym_sam_26_avg_rms vs Slug



Right In: 124.459+/-0.033 χ^2/NDF: 1550404.1/17

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

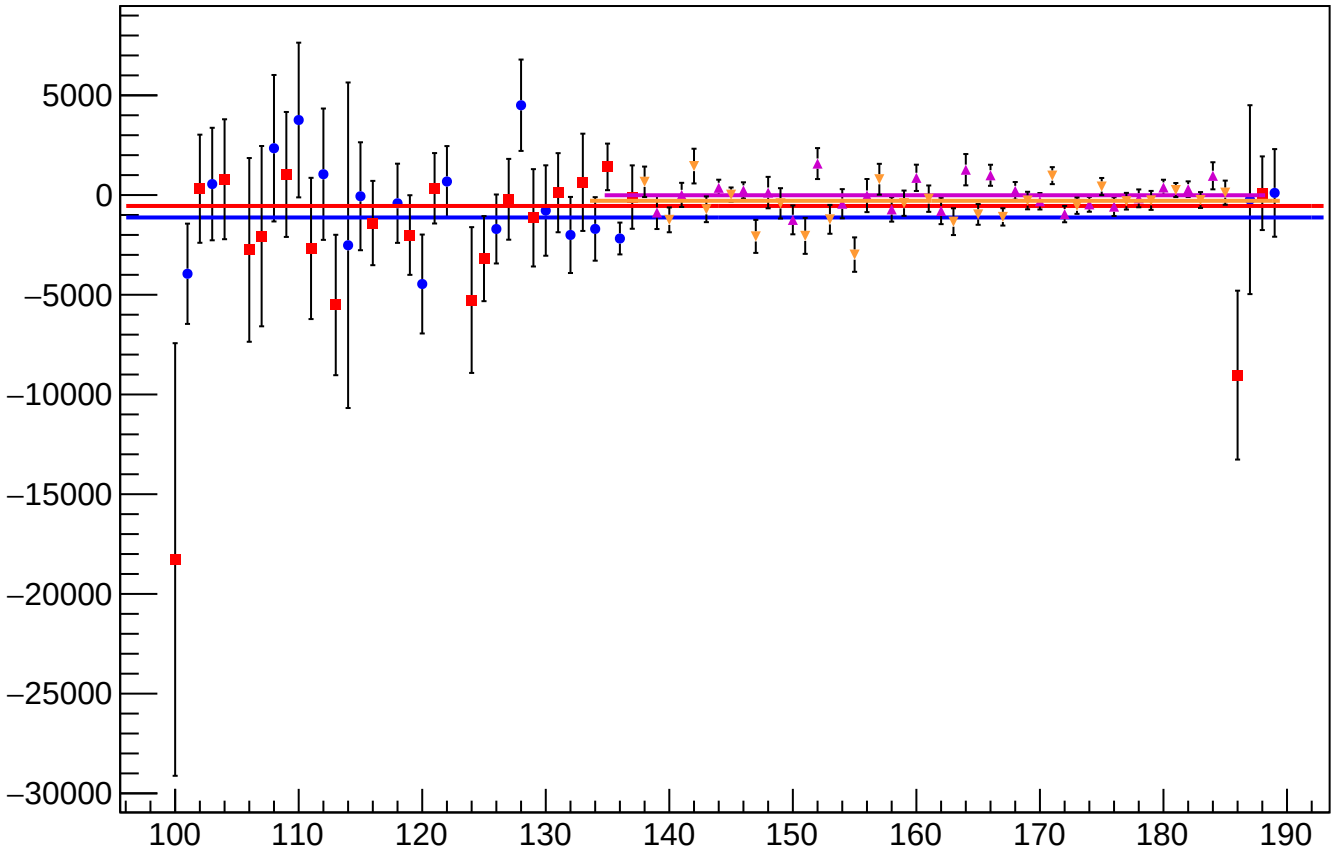
Right Out: 131.734+/-0.034 χ^2/NDF: 2281120.9/20

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 80.985+/-0.011 χ^2/NDF: 4436908.2/42

All: 81.598+/-0.008 χ^2/NDF: 9994553.4/86

- sign 82.249+/-0.012 χ^2/NDF: 5551774.4/43



Right In: -1124.504+/-465.656 χ^2/NDF: 16.3/17

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

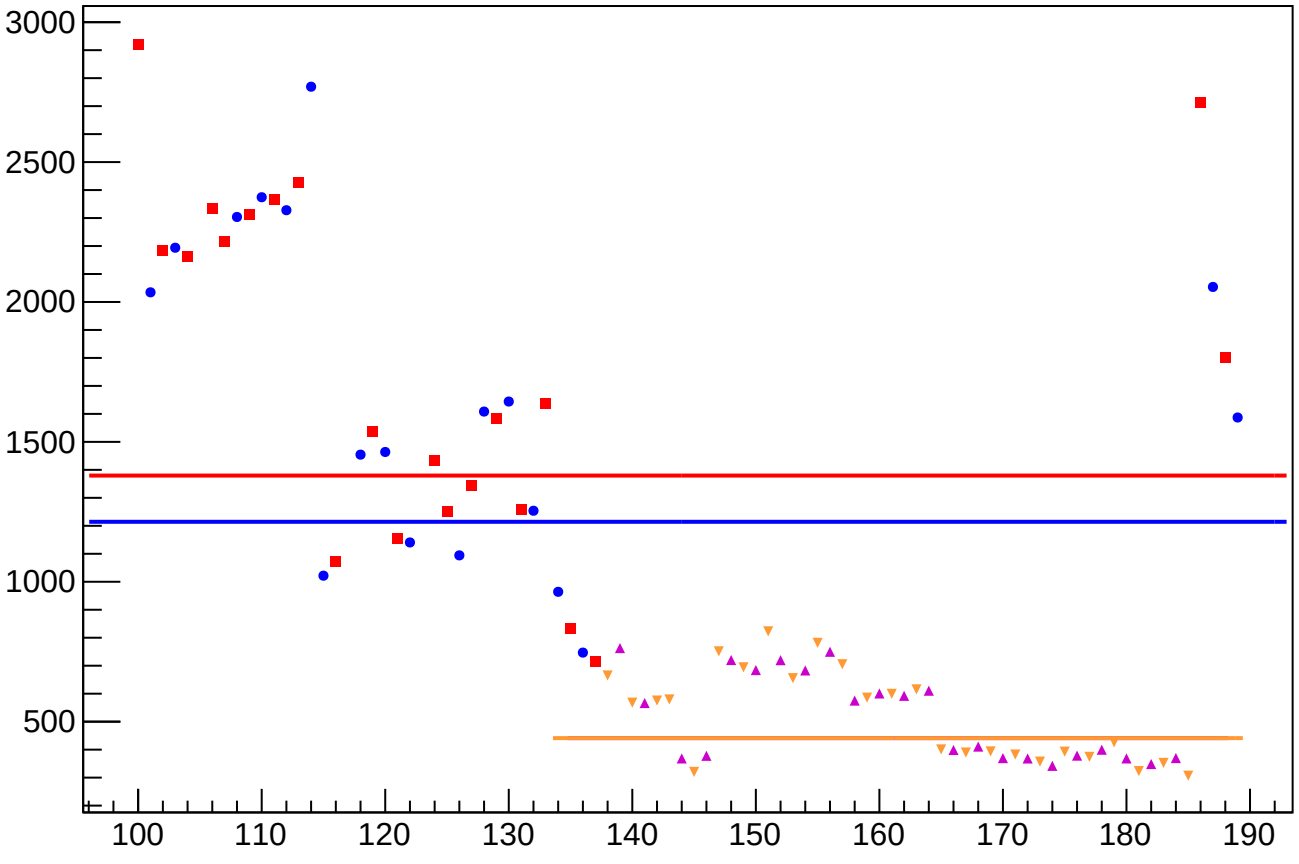
Right Out: -547.644+/-498.998 χ^2/NDF: 17.5/20

Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

+ sign -328.719+/-102.643 χ^2/NDF: 72.6/42

All: -185.311+/-73.483 χ^2/NDF: 128.7/86

- sign -34.533+/-105.247 χ^2/NDF: 52.0/43



Right In: 1214.358+/-0.329 χ^2/NDF: 2171066.1/17

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1379.569+/-0.353 χ^2/NDF: 2244782.5/20

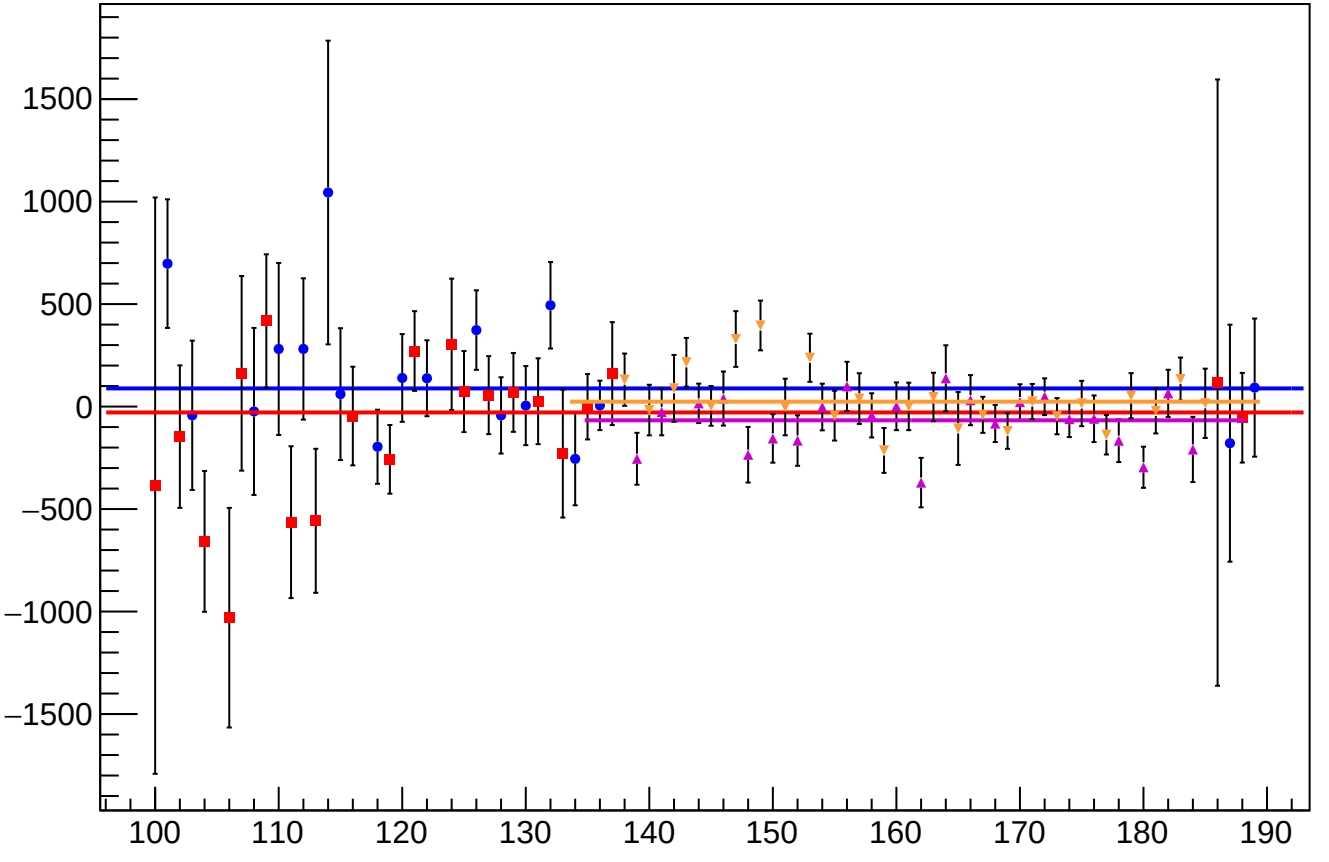
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

+ sign 478.698+/-0.073 χ^2/NDF: 10652372.4/42

All: 480.766+/-0.052 χ^2/NDF: 22338929.3/86

- sign 482.941+/-0.074 χ^2/NDF: 11684891.0/43

dit_asym_sam_26_avg_mean vs Slug



Right In: 88.550+/-54.579 χ^2/NDF: 18.3/17

Left Out: 23.873+/-22.414 χ^2/NDF:35.2/24

Right Out: -28.703+/-55.133 χ^2/NDF: 20.6/20

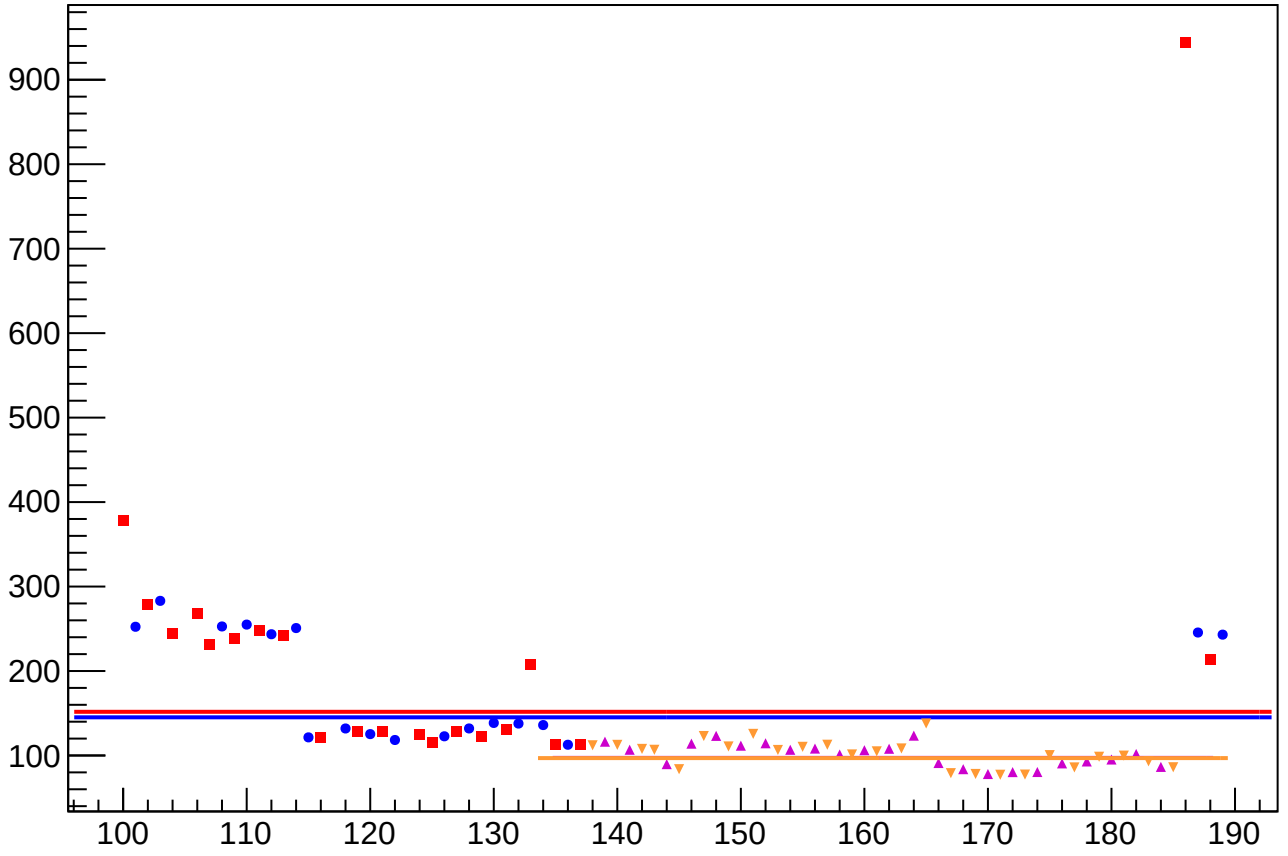
Left In: -67.086+/-23.121 χ^2/NDF:28.6/22

+ sign 33.207+/-20.734 χ^2/NDF: 54.7/42

All: -12.747+/-14.865 χ^2/NDF: 114.4/86

- sign -61.345+/-21.322 χ^2/NDF: 49.6/43

dit_asym_sam_26_avg_rms vs Slug



Right In: 145.177+/-0.039 χ^2/NDF: 1499896.5/17

Left Out: 96.907+/-0.016 χ^2/NDF:933980.7/24

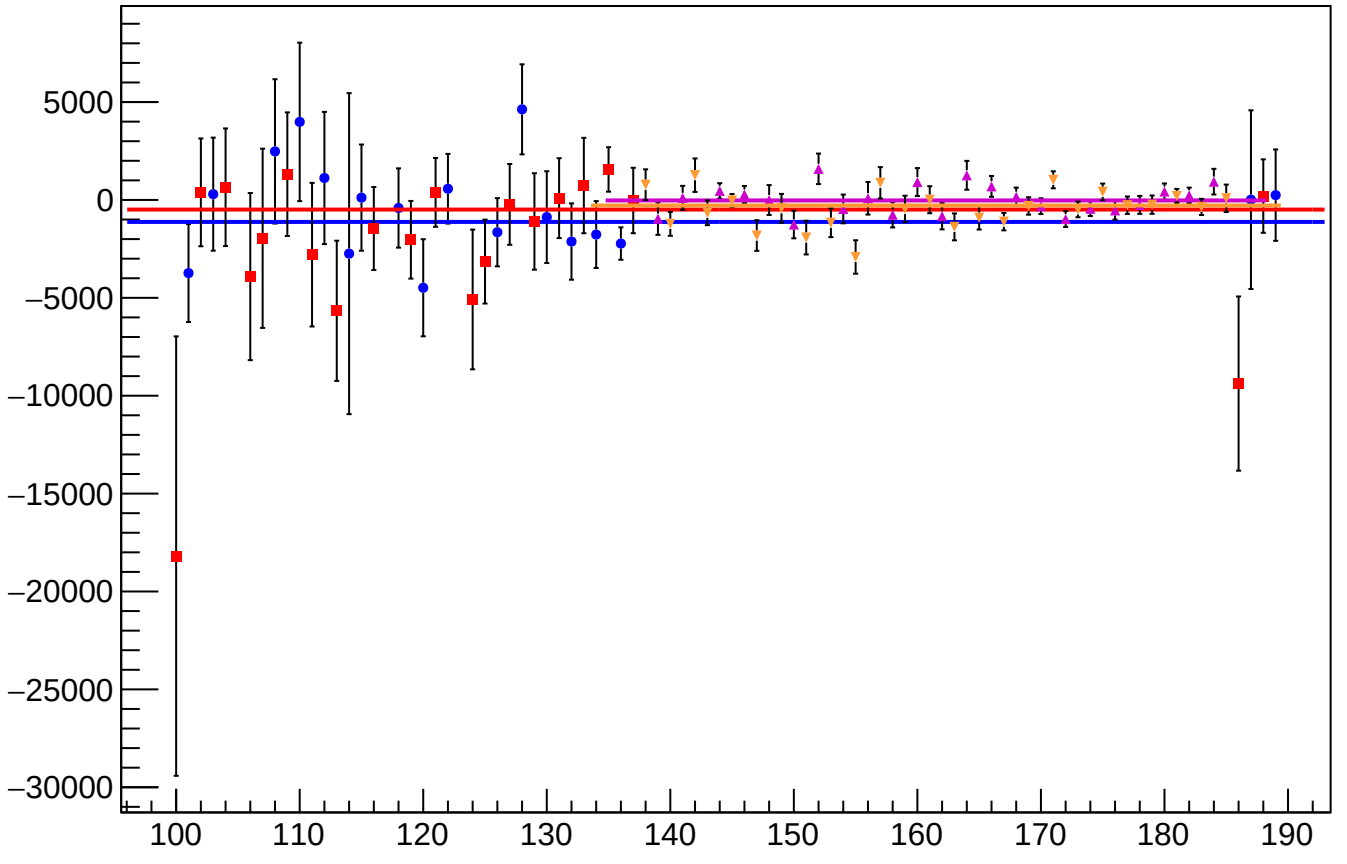
Right Out: 151.718+/-0.039 χ^2/NDF: 2262850.0/20

Left In: 97.167+/-0.016 χ^2/NDF:674595.2/22

+ sign 103.873+/-0.015 χ^2/NDF: 3772436.2/42

All: 104.579+/-0.011 χ^2/NDF: 8379778.8/86

- sign 105.326+/-0.015 χ^2/NDF: 4602568.3/43



Right In: -1122.784+/-478.197 χ^2/NDF: 16.4/17

Left Out: -282.422+/-106.394 χ^2/NDF:50.4/24

Right Out: -491.627+/-501.318 χ^2/NDF: 18.4/20

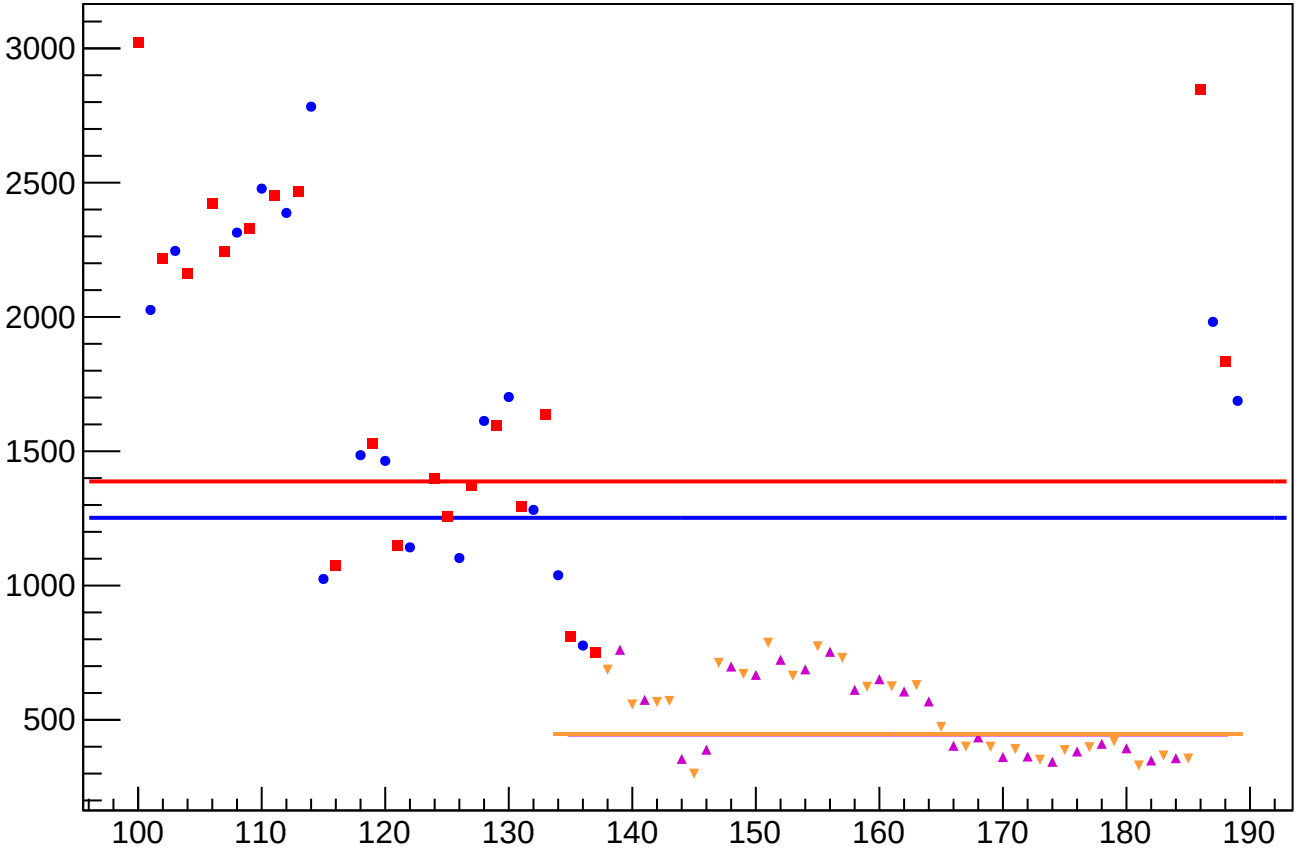
Left In: -24.625+/-108.884 χ^2/NDF:32.9/22

+ sign -322.060+/-103.855 χ^2/NDF: 69.8/42

All: -187.211+/-74.321 χ^2/NDF: 125.4/86

- sign -45.663+/-106.403 χ^2/NDF: 52.2/43

asym_sam_26_avg_dit_correction_rms vs Slug



Right In: 1252.226+/-0.338 χ^2/NDF: 2086447.3/17

Left Out: 447.386+/-0.075 χ^2/NDF:3197771.9/24

Right Out: 1387.721+/-0.354 χ^2/NDF: 2344578.9/20

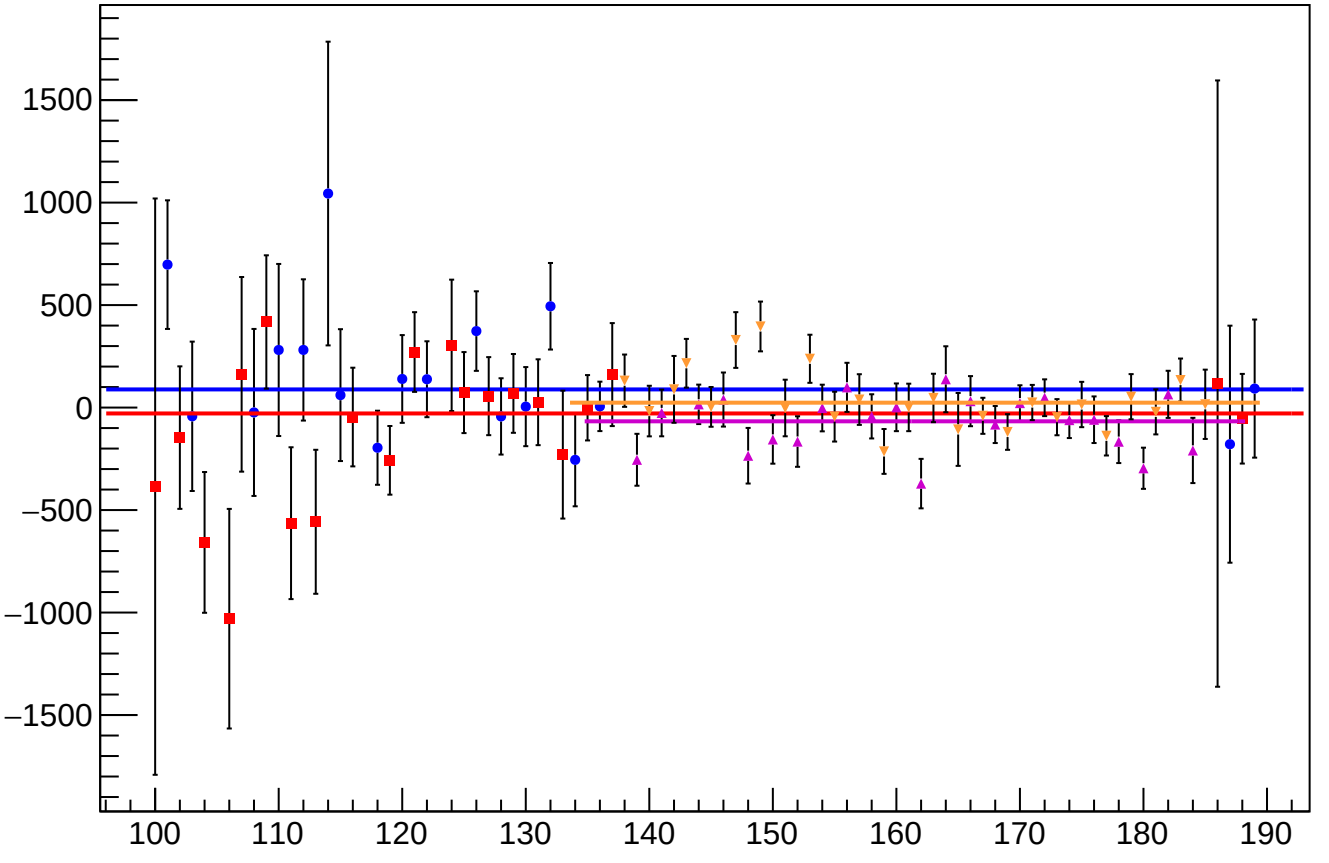
Left In: 445.491+/-0.077 χ^2/NDF:2713295.1/22

+ sign 485.348+/-0.073 χ^2/NDF: 10682464.5/42

All: 486.611+/-0.053 χ^2/NDF: 22487742.4/86

- sign 487.937+/-0.075 χ^2/NDF: 11804671.3/43

eigen_dit_asym_sam_26_avg_mean vs Slug



Right In: 88.553+/-54.579 χ^2/NDF: 18.3/17

Left Out: 23.872+/-22.414 χ^2/NDF:35.2/24

Right Out: -28.704+/-55.133 χ^2/NDF: 20.6/20

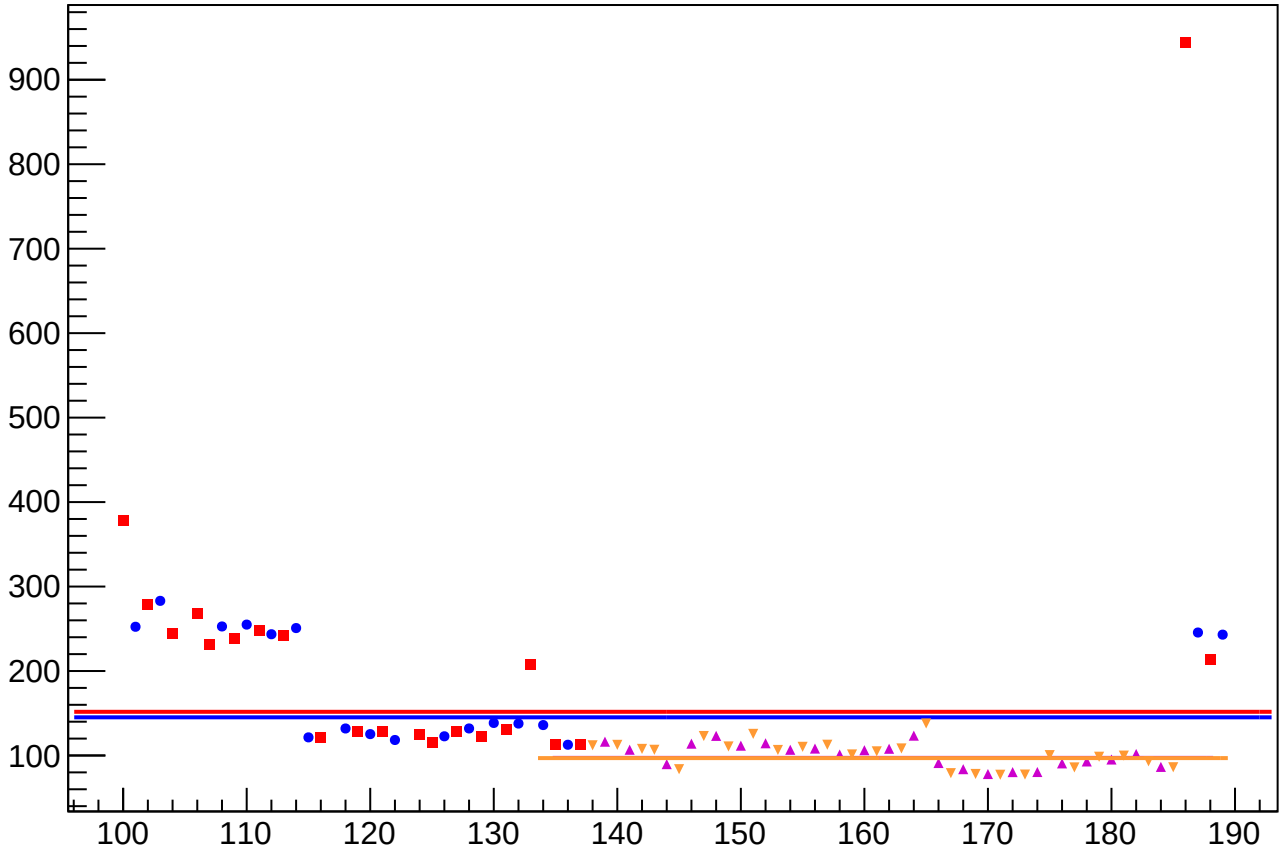
Left In: -67.085+/-23.121 χ^2/NDF:28.6/22

+ sign 33.206+/-20.734 χ^2/NDF: 54.7/42

All: -12.747+/-14.865 χ^2/NDF: 114.4/86

- sign -61.345+/-21.322 χ^2/NDF: 49.6/43

eigen_dit_asym_sam_26_avg_rms vs Slug



Right In: 145.176+/-0.039 χ^2/NDF: 1499886.2/17

Left Out: 96.907+/-0.016 χ^2/NDF:933979.3/24

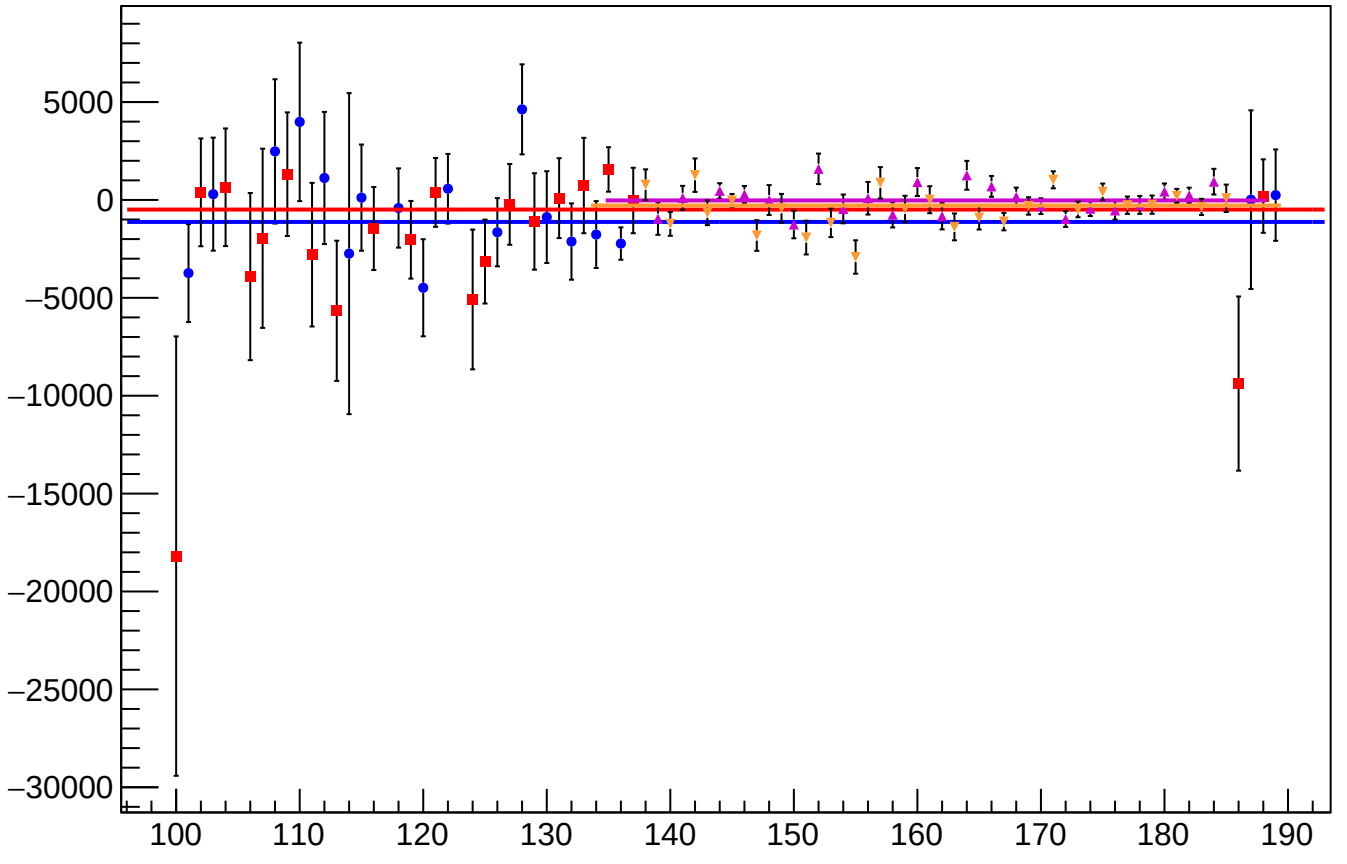
Right Out: 151.718+/-0.039 χ^2/NDF: 2262839.2/20

Left In: 97.168+/-0.016 χ^2/NDF:674586.0/22

+ sign 103.873+/-0.015 χ^2/NDF: 3772381.6/42

All: 104.580+/-0.011 χ^2/NDF: 8379666.2/86

- sign 105.327+/-0.015 χ^2/NDF: 4602509.5/43



Right In: -1122.781+/-478.196 χ^2/NDF: 16.4/17

Left Out: -282.421+/-106.394 χ^2/NDF:50.4/24

Right Out: -491.629+/-501.318 χ^2/NDF: 18.4/20

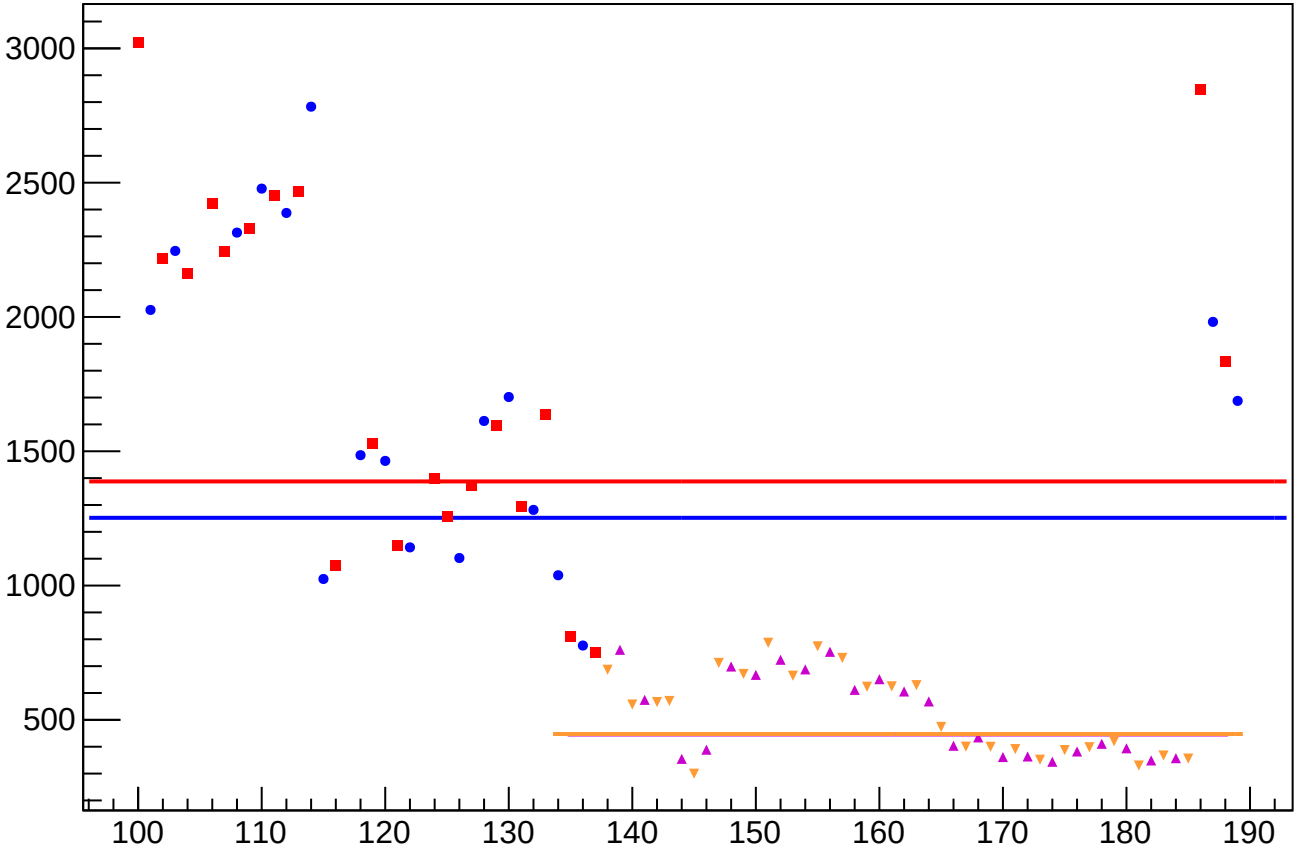
Left In: -24.626+/-108.884 χ^2/NDF:32.9/22

+ sign -322.059+/-103.855 χ^2/NDF: 69.8/42

All: -187.210+/-74.321 χ^2/NDF: 125.4/86

- sign -45.664+/-106.403 χ^2/NDF: 52.2/43

asym_sam_26_avg_eigen_dit_correction_rms vs Slug



Right In: 1252.225+/-0.338 χ^2/NDF: 2086426.9/17

Left Out: 447.385+/-0.075 χ^2/NDF:3197793.9/24

Right Out: 1387.720+/-0.354 χ^2/NDF: 2344562.9/20

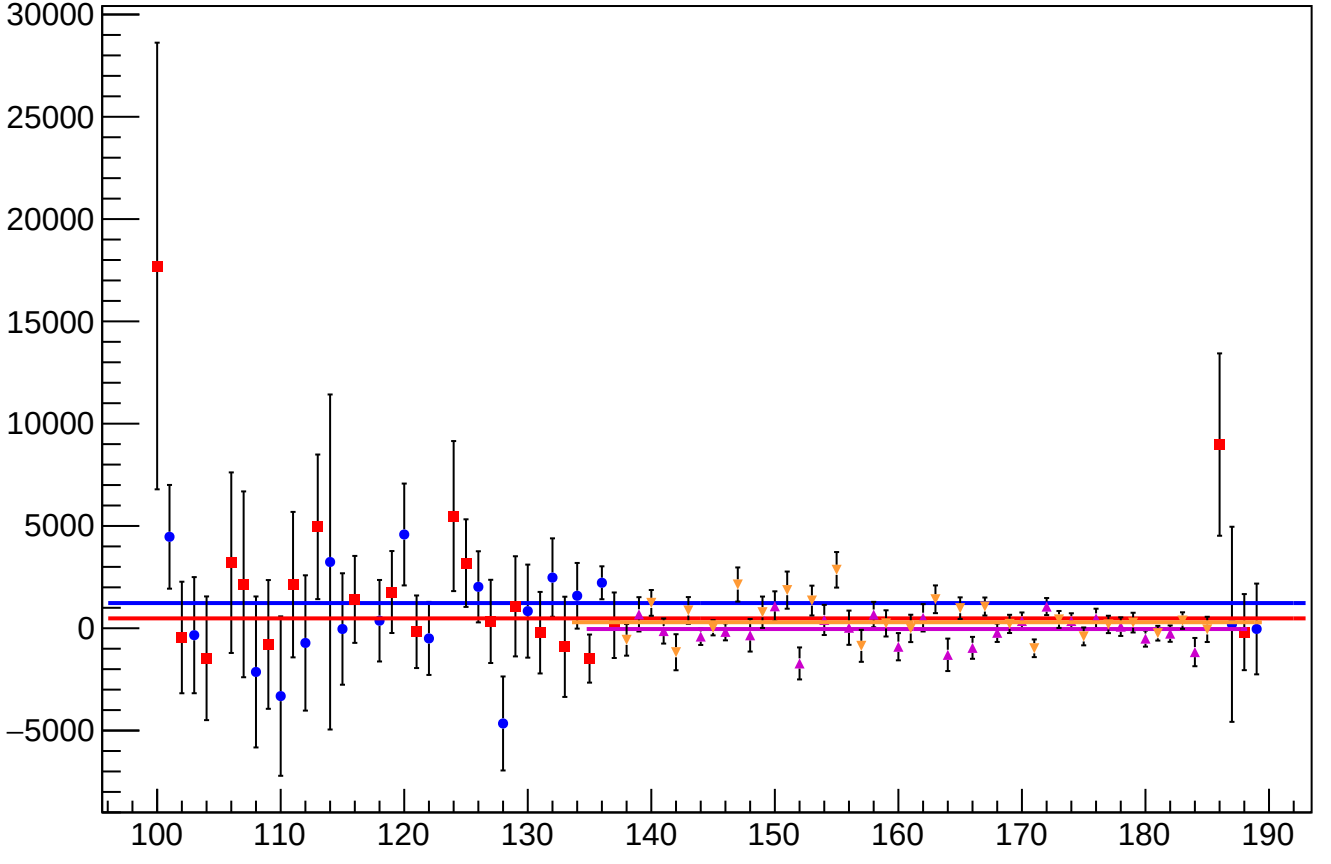
Left In: 445.491+/-0.077 χ^2/NDF:2713303.9/22

+ sign 485.347+/-0.073 χ^2/NDF: 10682477.0/42

All: 486.611+/-0.053 χ^2/NDF: 22487756.2/86

- sign 487.937+/-0.075 χ^2/NDF: 11804672.6/43

asym_sam_26_avg_mean vs Slug



Right In: 1231.234+/-468.689 χ^2/NDF: 16.9/17

Left Out: 295.006+/-106.810 χ^2/NDF:50.5/24

Right Out: 482.542+/-501.608 χ^2/NDF: 16.8/20

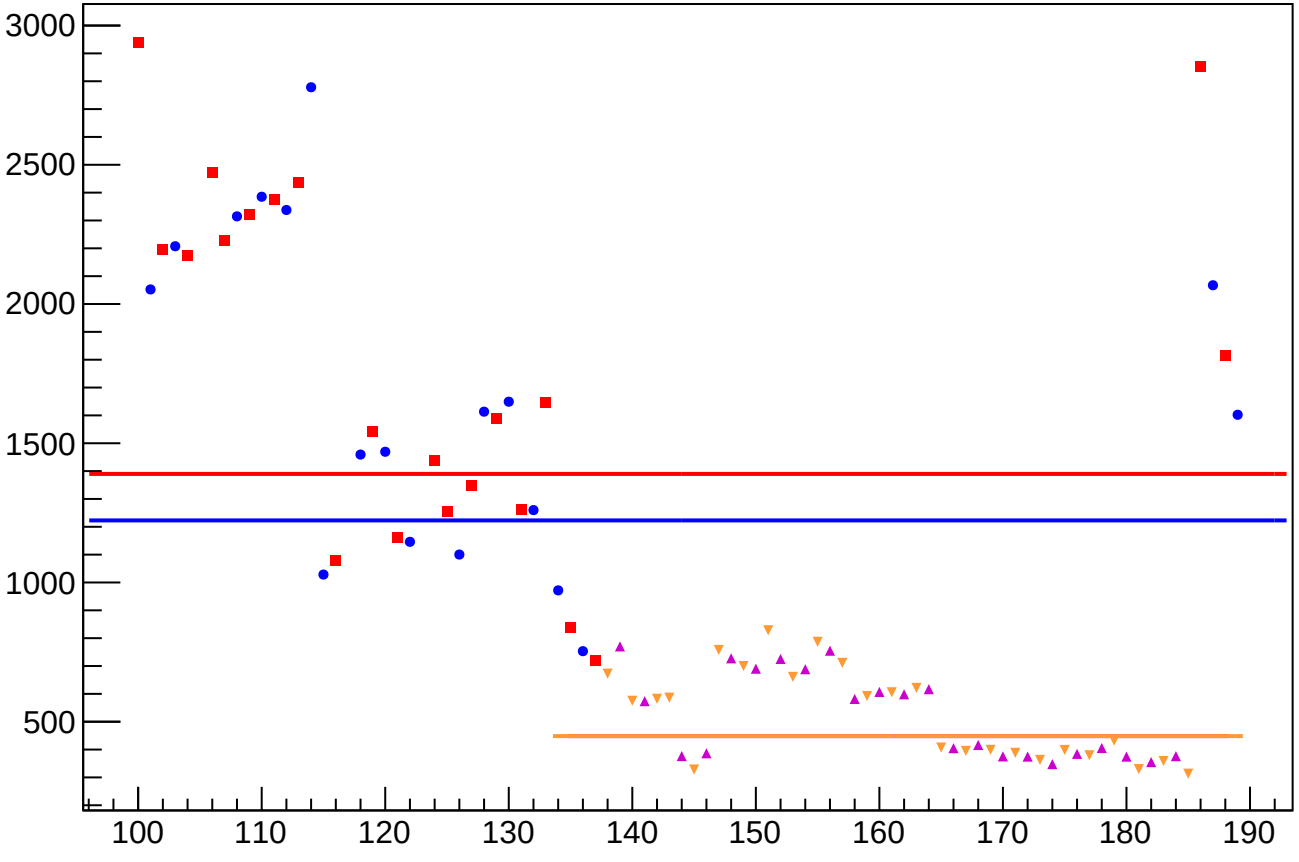
Left In: -38.107+/-109.315 χ^2/NDF:32.9/22

+ sign 341.228+/-104.140 χ^2/NDF: 71.2/42

All: 167.864+/-74.564 χ^2/NDF: 127.6/86

- sign -14.500+/-106.809 χ^2/NDF: 50.8/43

asym_sam_26_avg_rms vs Slug



Right In: 1222.892+/-0.331 χ^2/NDF: 2159019.7/17

Left Out: 448.278+/-0.076 χ^2/NDF:3156909.8/24

Right Out: 1389.867+/-0.355 χ^2/NDF: 2292866.3/20

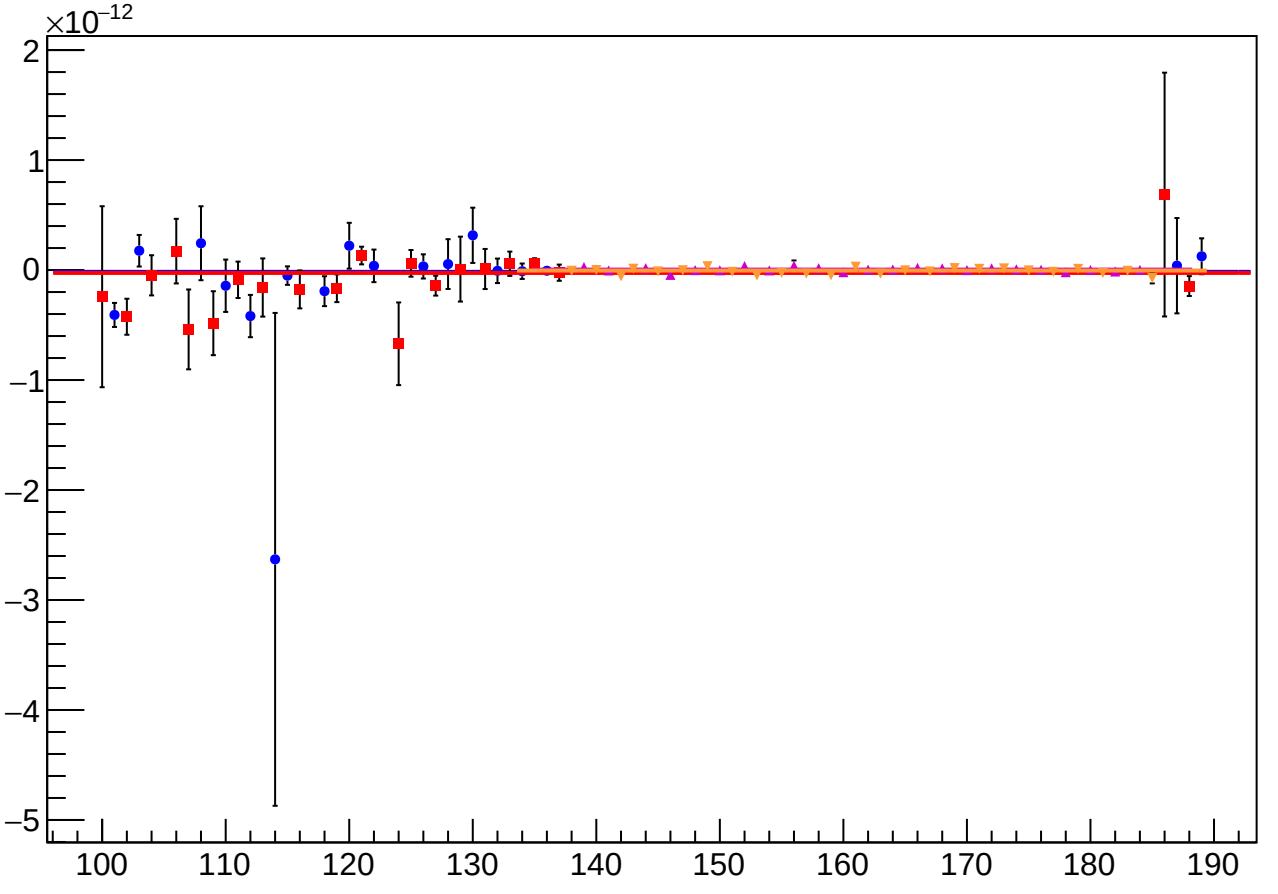
Left In: 448.397+/-0.077 χ^2/NDF:2620759.6/22

+ sign 486.521+/-0.074 χ^2/NDF: 10509222.1/42

All: 488.745+/-0.053 χ^2/NDF: 22150806.6/86

- sign 491.083+/-0.076 χ^2/NDF: 11639713.7/43

asym_sam_26_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 27.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:23.2/24

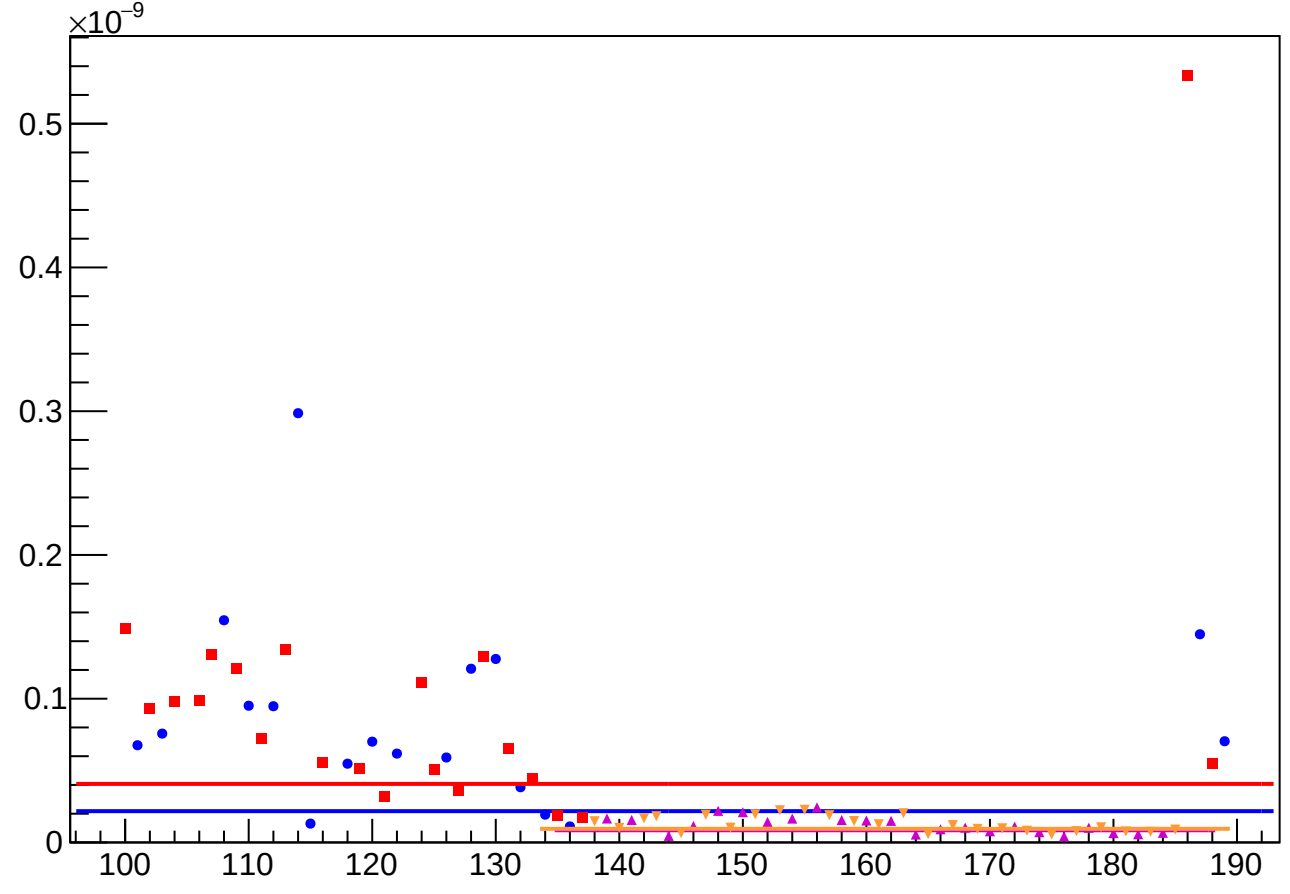
Right Out: -0.000+/-0.000 χ^2/NDF: 27.9/20

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 51.1/42

All: -0.000+/-0.000 χ^2/NDF: 99.6/86

- sign 0.000+/-0.000 χ^2/NDF: 45.9/43



Right In: 0.000+/-0.000 χ^2/NDF: 3723508.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:2422094.9/24

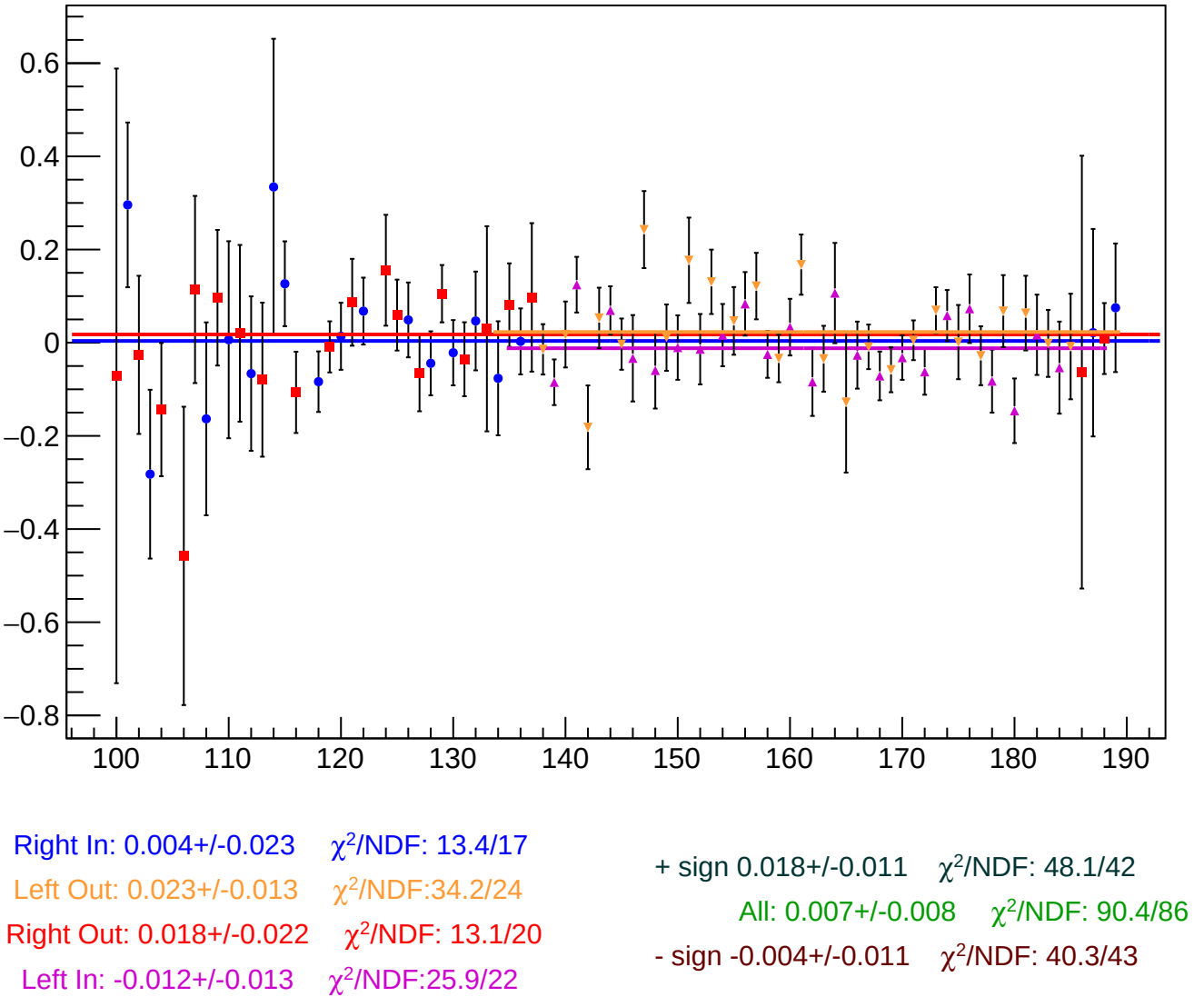
Right Out: 0.000+/-0.000 χ^2/NDF: 2527899.3/20

Left In: 0.000+/-0.000 χ^2/NDF:2739291.5/22

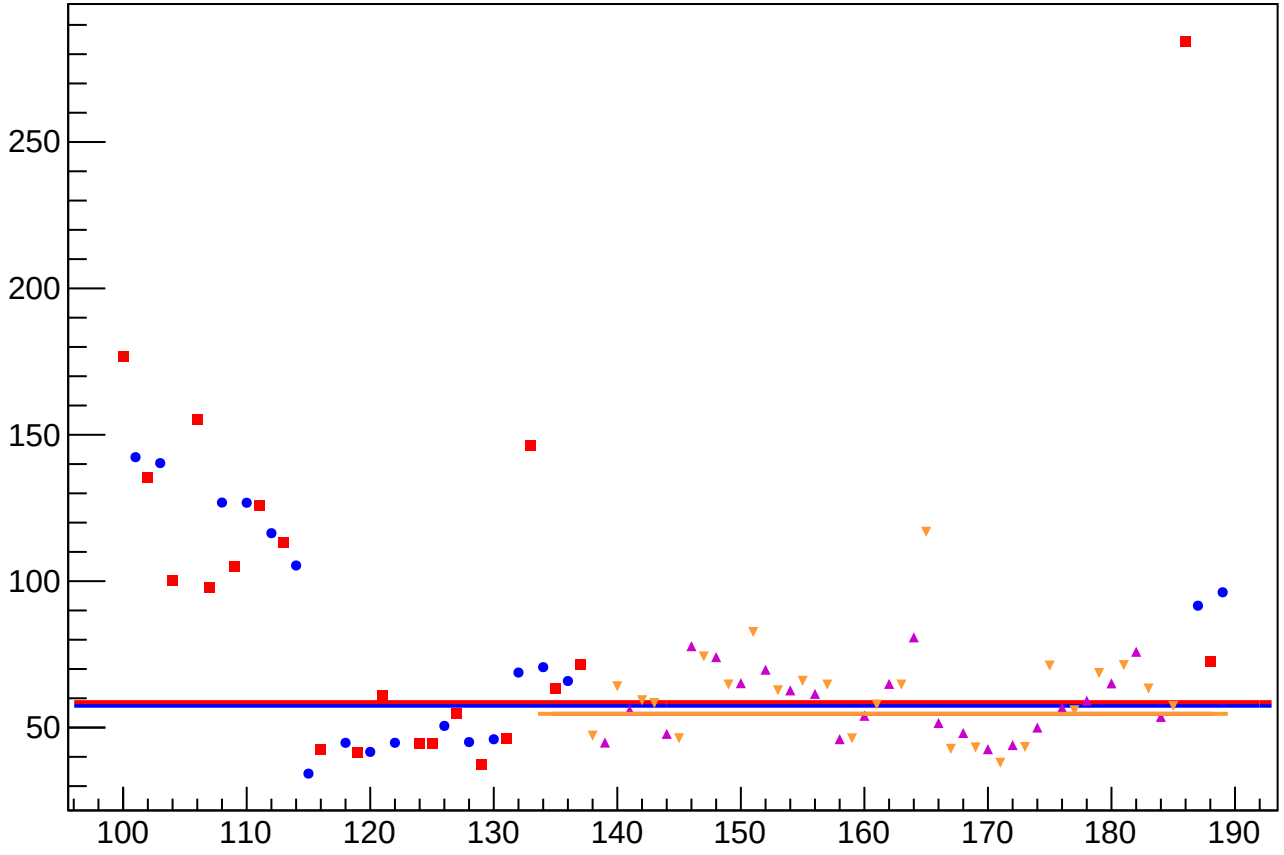
+ sign 0.000+/-0.000 χ^2/NDF: 7064897.9/42

All: 0.000+/-0.000 χ^2/NDF: 15326217.1/86

- sign 0.000+/-0.000 χ^2/NDF: 8199555.7/43


asym_sam_26_avg_dit_vs_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
180
190
Right In: 0.004+/-0.023 χ²/NDF: 13.4/17
Left Out: 0.023+/-0.013 χ²/NDF:34.2/24
Right Out: 0.018+/-0.022 χ²/NDF: 13.1/20
Left In: -0.012+/-0.013 χ²/NDF:25.9/22
+ sign 0.018+/-0.011 χ²/NDF: 48.1/42
All: 0.007+/-0.008 χ²/NDF: 90.4/86
- sign -0.004+/-0.011 χ²/NDF: 40.3/43

asym_sam_26_avg_dit_vs_cor_diff_rms vs Slug



Right In: 57.461+/-0.016 χ^2/NDF: 2392621.4/17

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

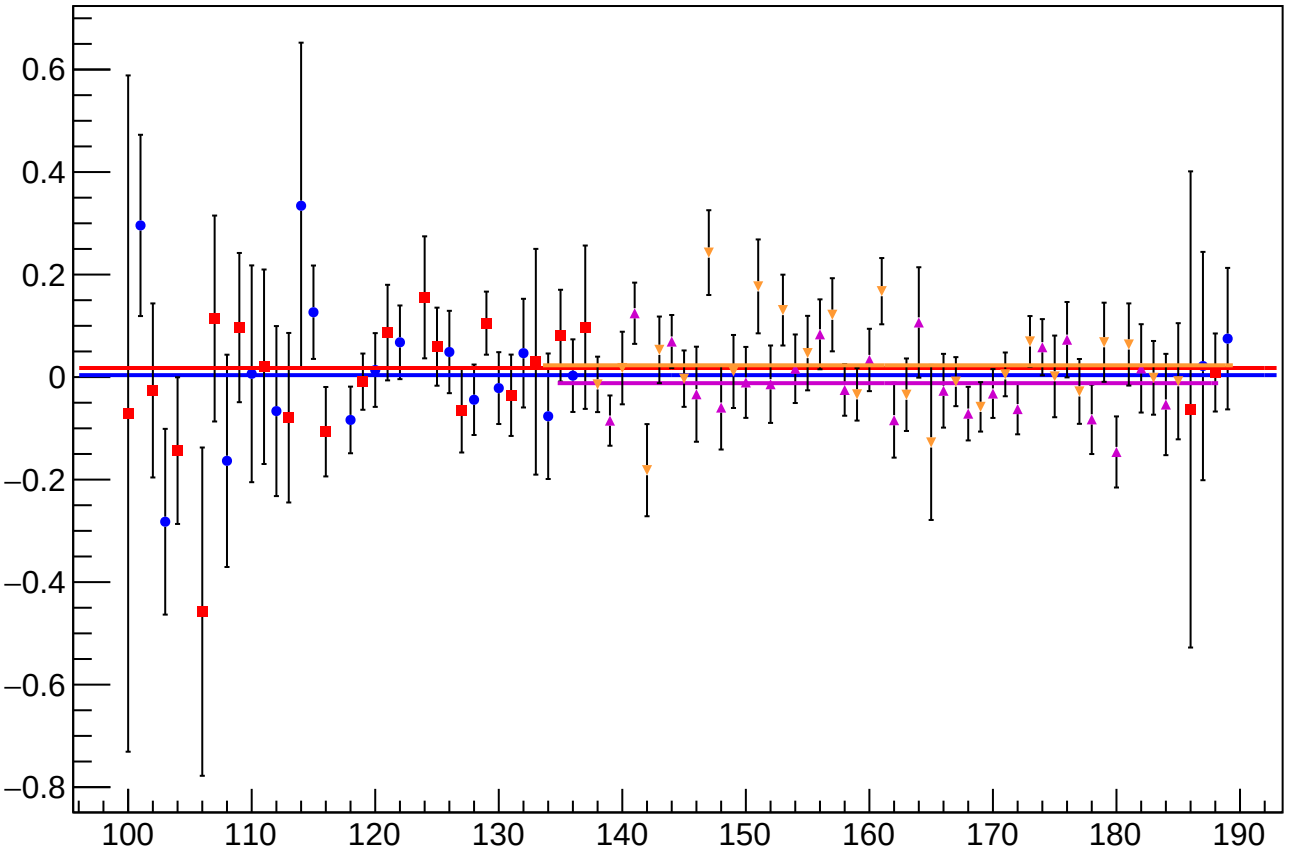
Right Out: 58.684+/-0.016 χ^2/NDF: 3105841.4/20

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

+ sign 55.354+/-0.008 χ^2/NDF: 4351363.2/42

All: 55.535+/-0.006 χ^2/NDF: 8696031.6/86

- sign 55.722+/-0.008 χ^2/NDF: 4343616.6/43



Right In: 0.004+/-0.023 χ^2/NDF: 13.4/17

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

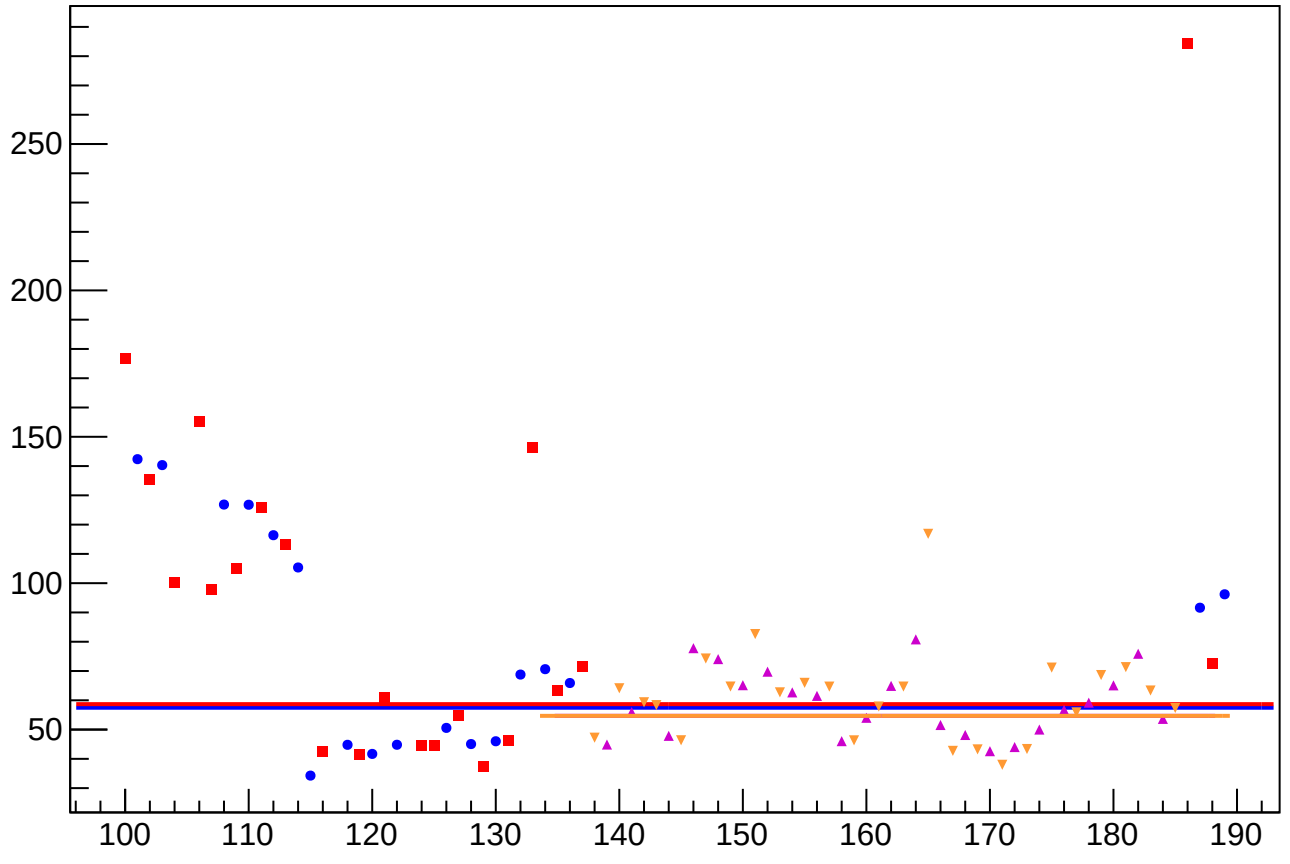
Right Out: 0.018+/-0.022 χ^2/NDF: 13.1/20

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.018+/-0.011 χ^2/NDF: 48.1/42

All: 0.007+/-0.008 χ^2/NDF: 90.4/86

- sign -0.004+/-0.011 χ^2/NDF: 40.3/43



Right In: 57.461+/-0.016 χ^2/NDF: 2392621.4/17

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

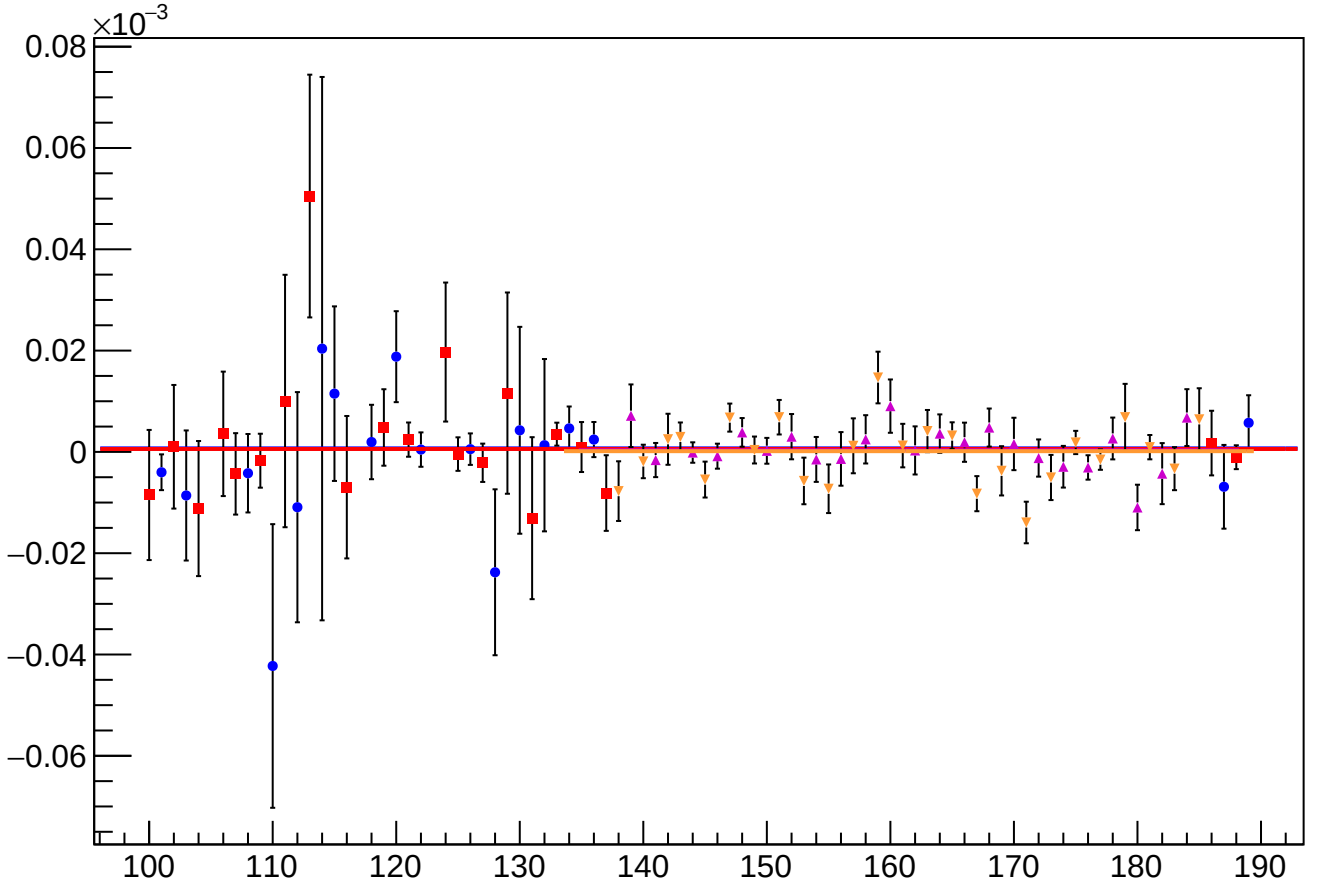
Right Out: 58.684+/-0.016 χ^2/NDF: 3105841.4/20

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

+ sign 55.354+/-0.008 χ^2/NDF: 4351363.2/42

All: 55.535+/-0.006 χ^2/NDF: 8696031.6/86

- sign 55.722+/-0.008 χ^2/NDF: 4343616.6/43



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:53.7/24

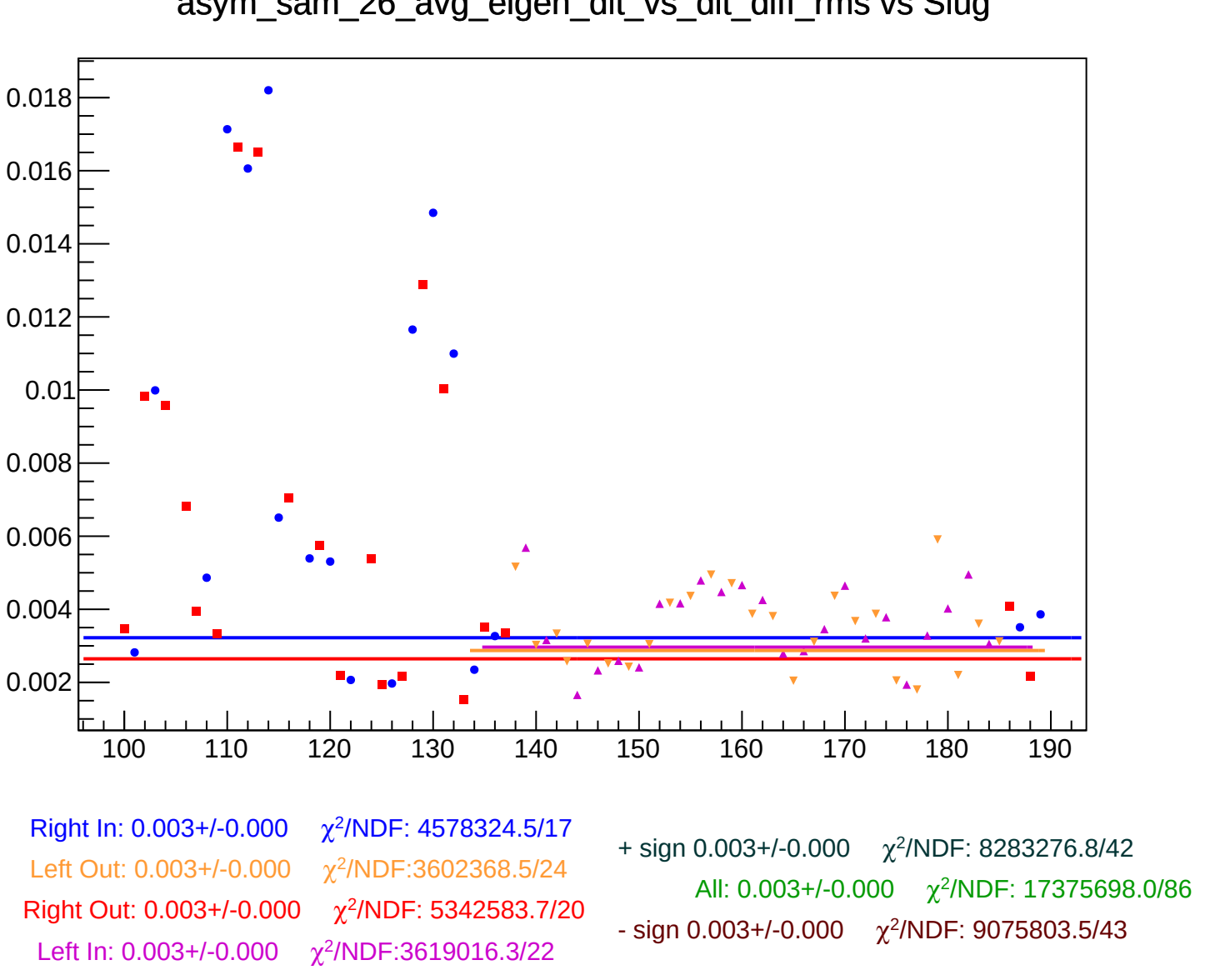
Right Out: 0.000+/-0.000 χ^2/NDF: 14.4/20

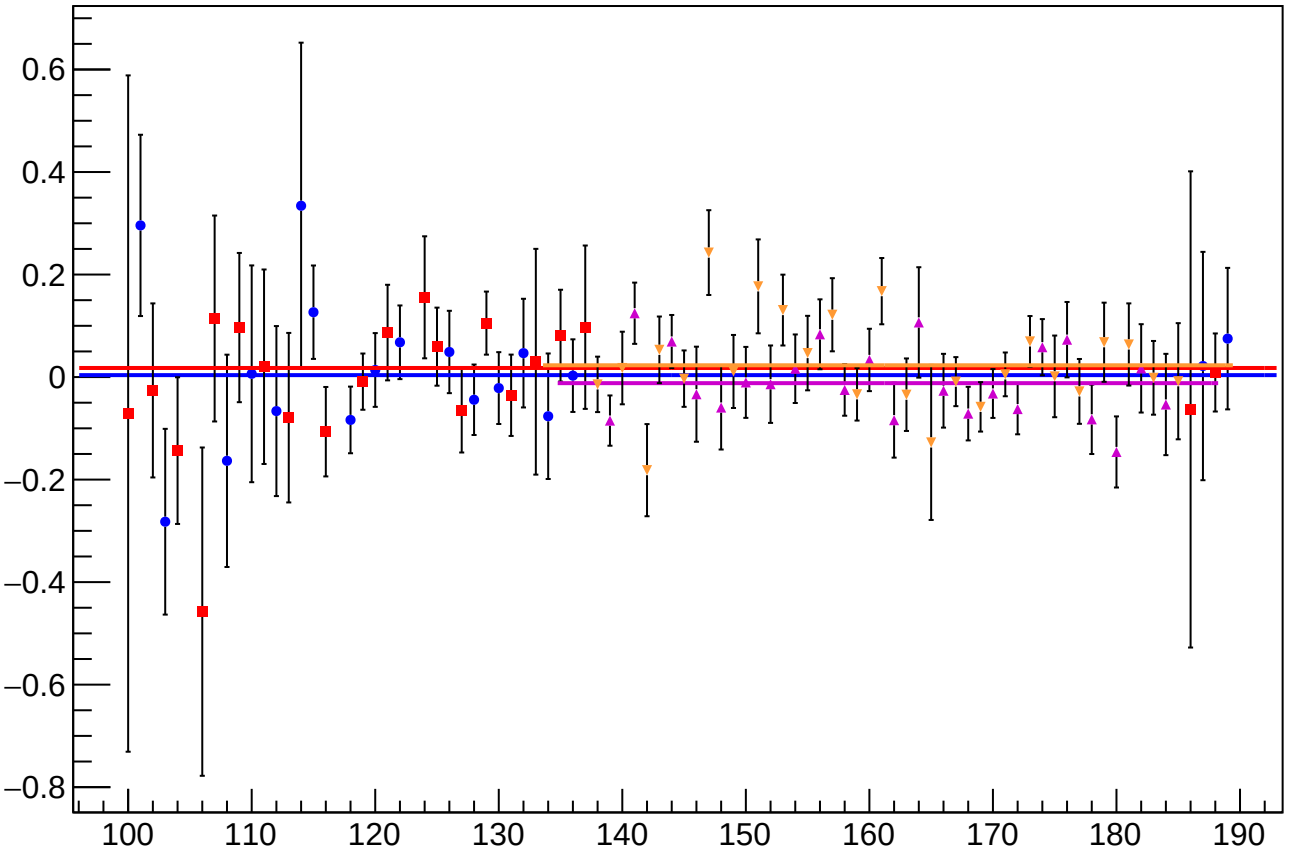
Left In: 0.000+/-0.000 χ^2/NDF:20.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 68.9/42

All: 0.000+/-0.000 χ^2/NDF: 104.0/86

- sign 0.000+/-0.000 χ^2/NDF: 35.2/43


asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
180
190
Right In: 0.003+/-0.000 χ²/NDF: 4578324.5/17
Left Out: 0.003+/-0.000 χ²/NDF:3602368.5/24
Right Out: 0.003+/-0.000 χ²/NDF: 5342583.7/20
Left In: 0.003+/-0.000 χ²/NDF:3619016.3/22
+ sign 0.003+/-0.000 χ²/NDF: 8283276.8/42
All: 0.003+/-0.000 χ²/NDF: 17375698.0/86
- sign 0.003+/-0.000 χ²/NDF: 9075803.5/43



Right In: 0.004+/-0.023 χ^2/NDF: 13.4/17

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

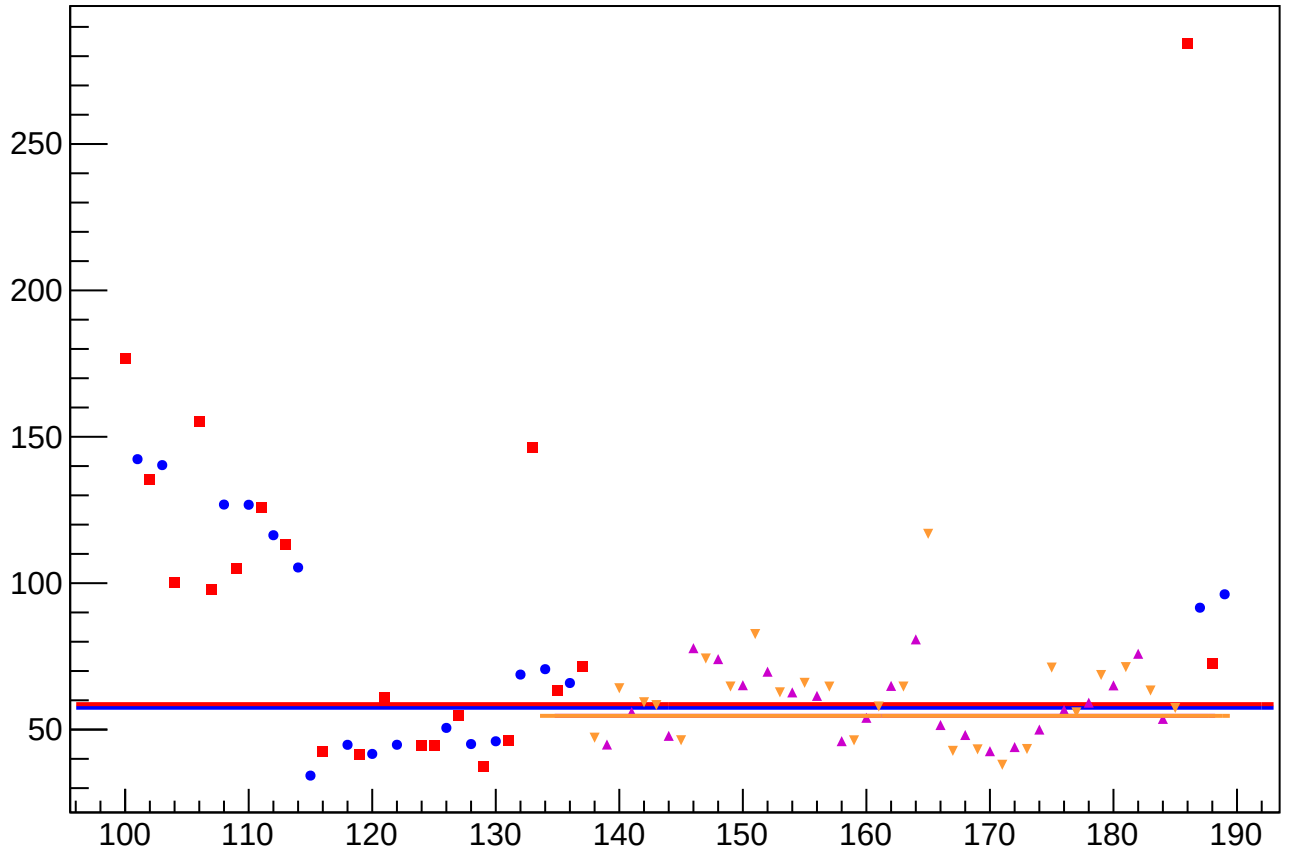
Right Out: 0.018+/-0.022 χ^2/NDF: 13.1/20

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.018+/-0.011 χ^2/NDF: 48.1/42

All: 0.007+/-0.008 χ^2/NDF: 90.4/86

- sign -0.004+/-0.011 χ^2/NDF: 40.3/43



Right In: 57.461+/-0.016 χ^2/NDF: 2392572.9/17

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

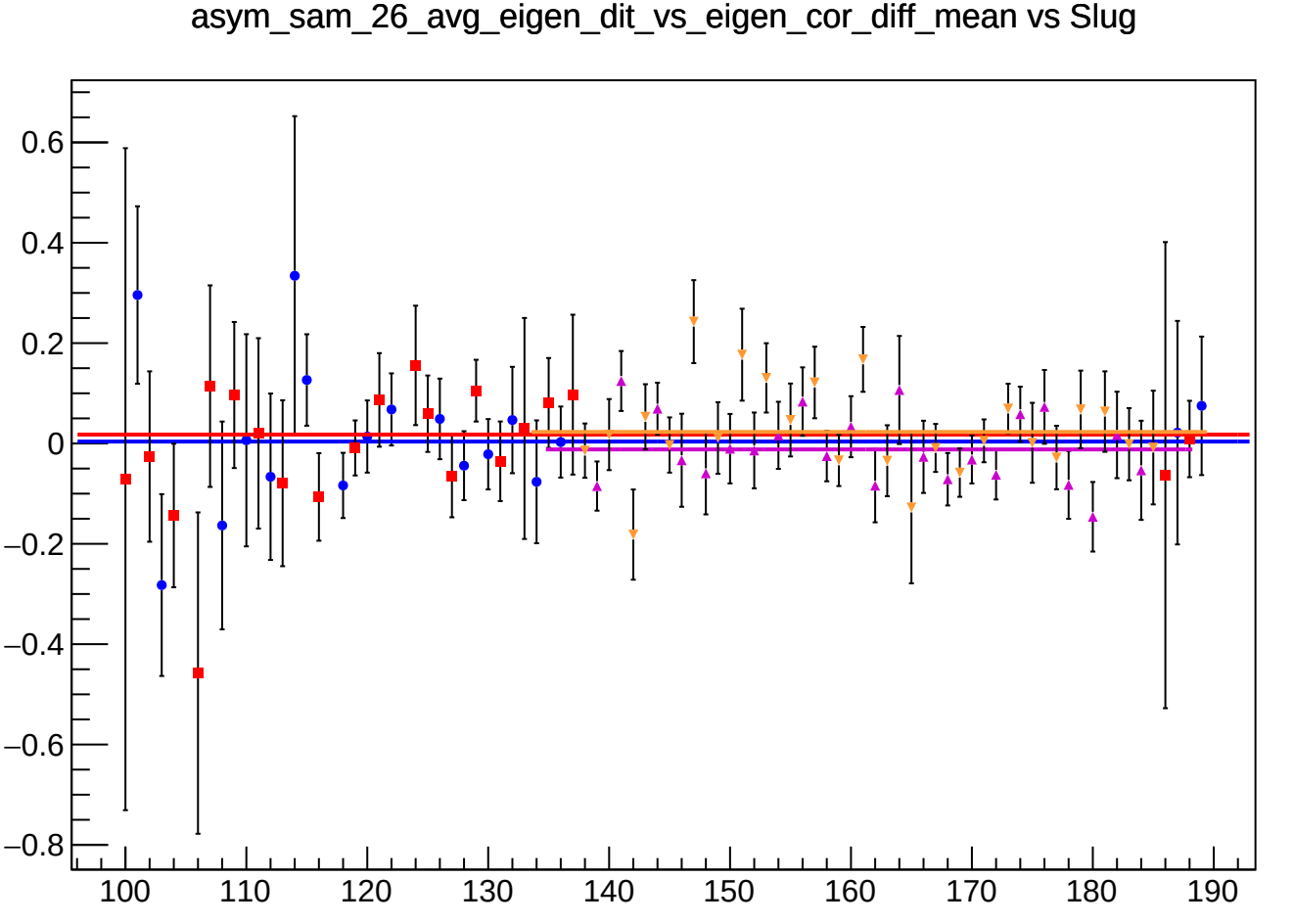
Right Out: 58.683+/-0.016 χ^2/NDF: 3105798.4/20

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

\+ sign 55.354+/-0.008 χ^2/NDF: 4351298.2/42

All: 55.536+/-0.006 χ^2/NDF: 8695867.3/86

\- sign 55.722+/-0.008 χ^2/NDF: 4343517.0/43



Right In: 0.004+/-0.023 χ^2/NDF: 13.4/17

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

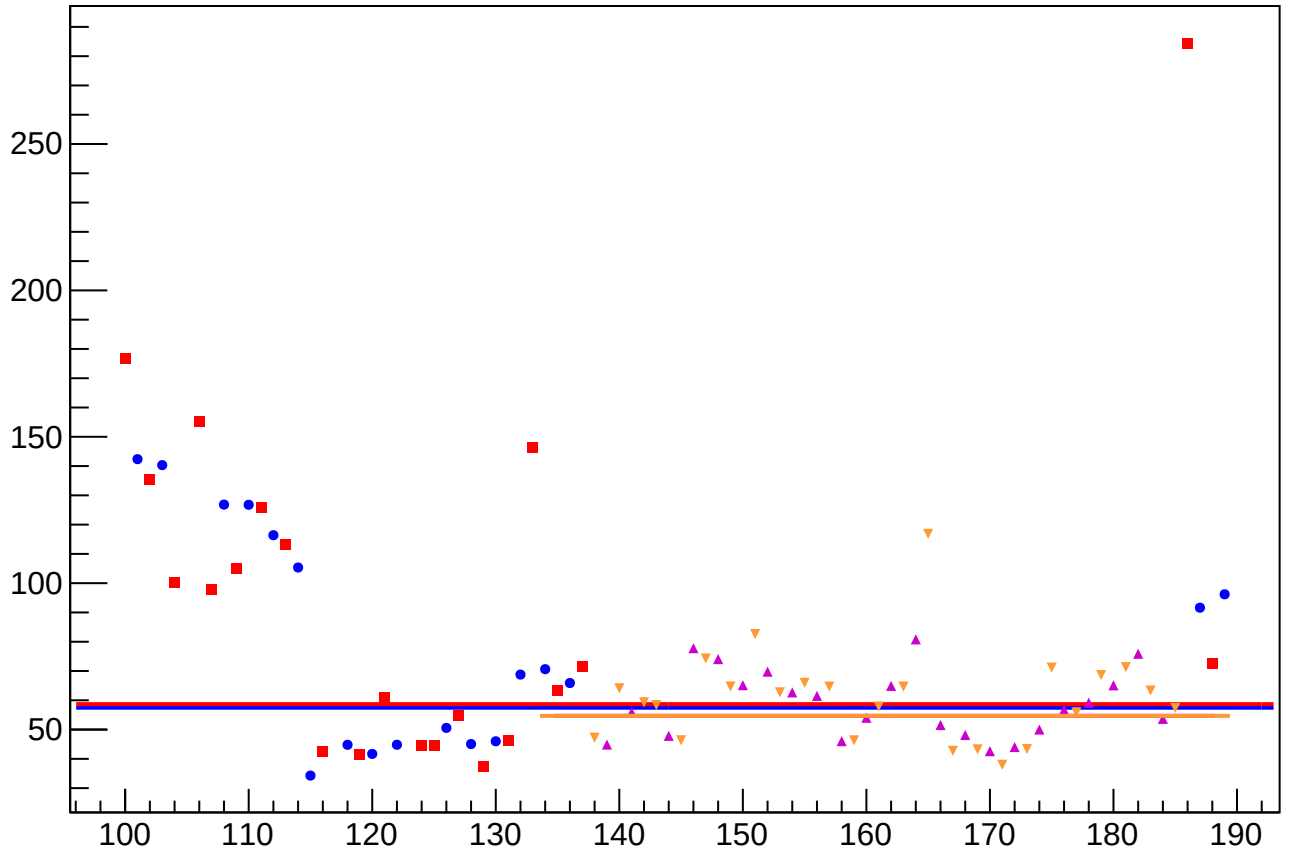
Right Out: 0.018+/-0.022 χ^2/NDF: 13.1/20

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.018+/-0.011 χ^2/NDF: 48.1/42

All: 0.007+/-0.008 χ^2/NDF: 90.4/86

- sign -0.004+/-0.011 χ^2/NDF: 40.3/43



Right In: 57.461+/-0.016 χ^2/NDF: 2392572.9/17

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

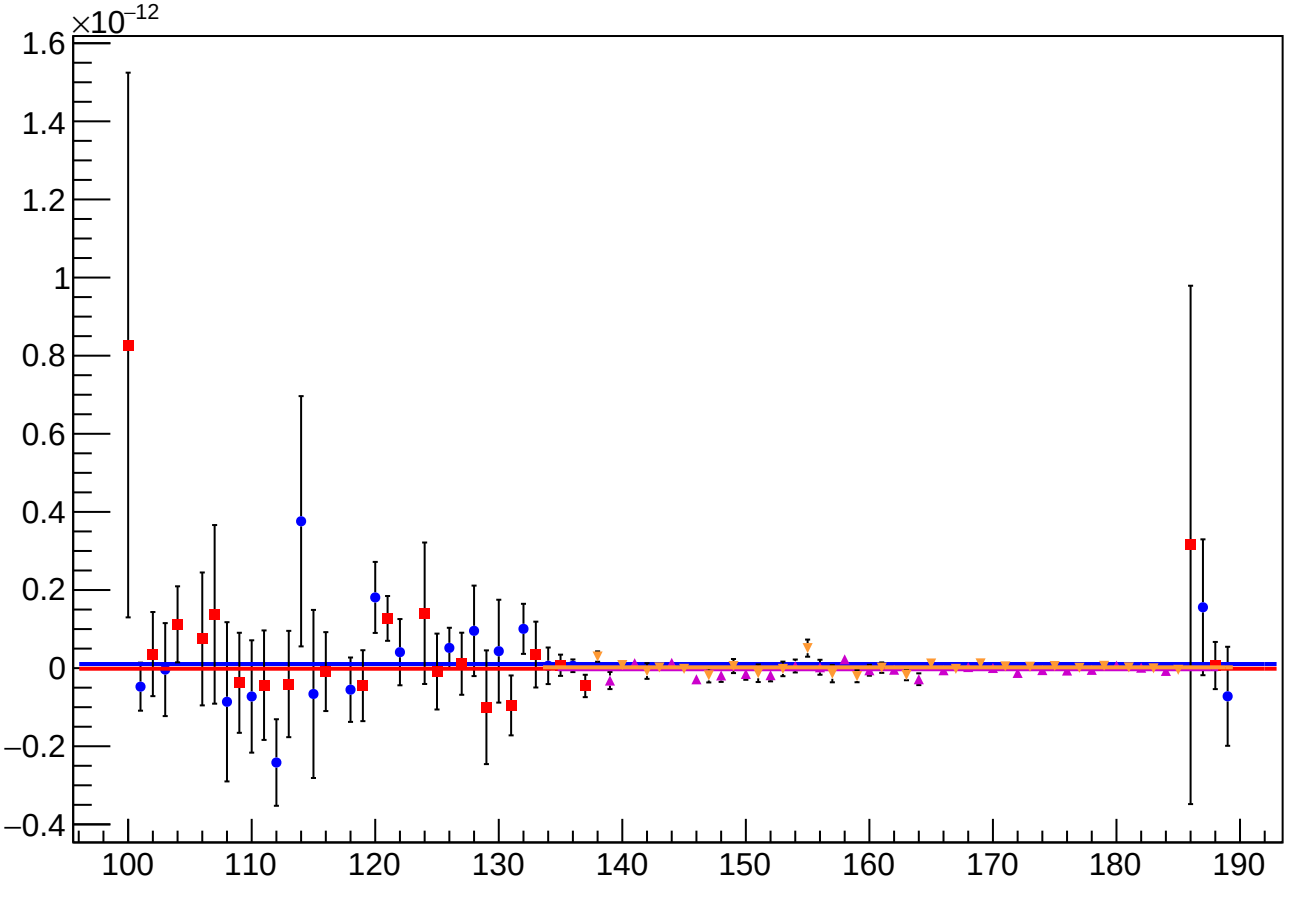
Right Out: 58.683+/-0.016 χ^2/NDF: 3105798.4/20

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

\+ sign 55.354+/-0.008 χ^2/NDF: 4351298.2/42

All: 55.536+/-0.006 χ^2/NDF: 8695867.3/86

\- sign 55.722+/-0.008 χ^2/NDF: 4343517.0/43



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/24

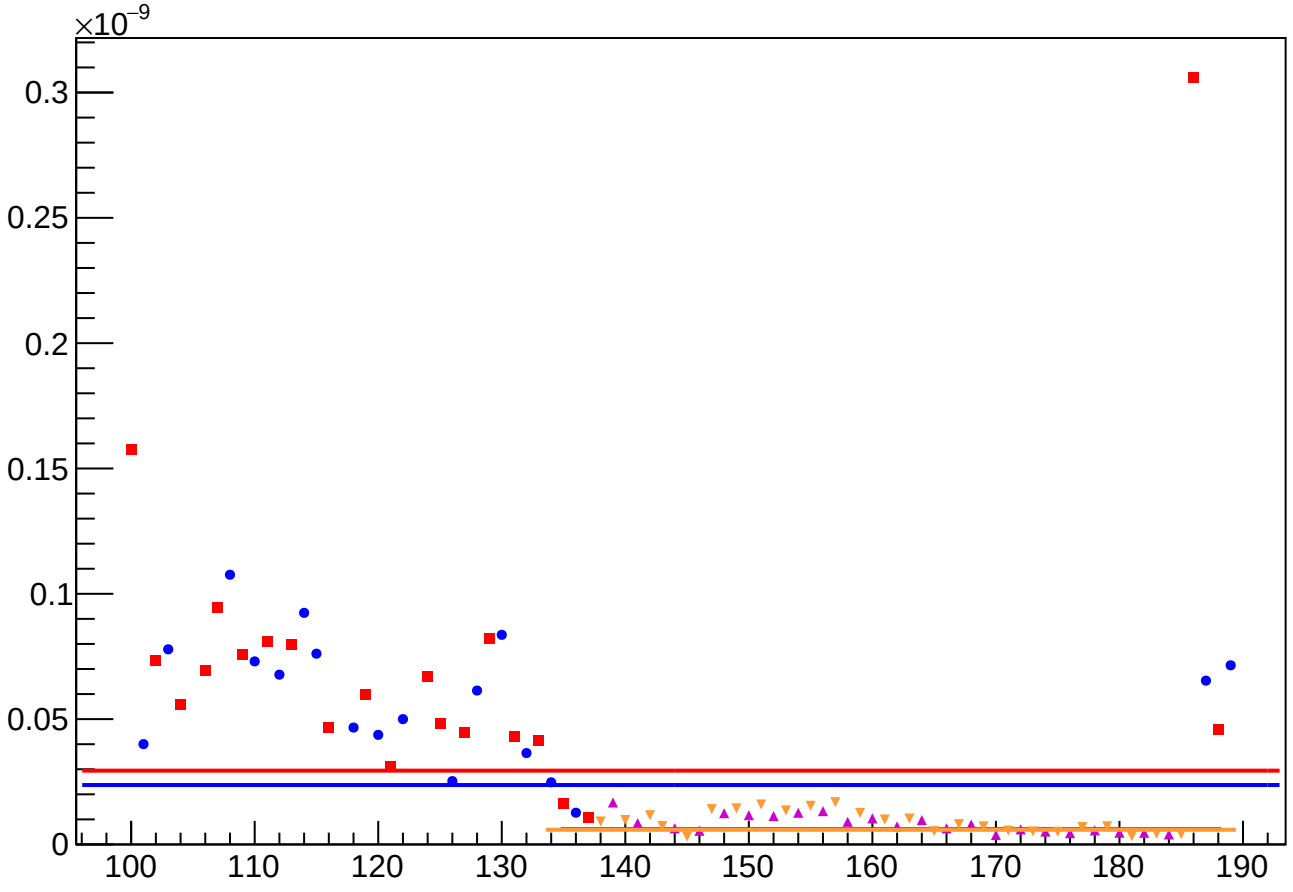
Right Out: -0.000+/-0.000 χ^2/NDF: 14.5/20

Left In: -0.000+/-0.000 χ^2/NDF:33.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 37.9/42

All: -0.000+/-0.000 χ^2/NDF: 89.3/86

- sign -0.000+/-0.000 χ^2/NDF: 47.6/43



Right In: 0.000+/-0.000 χ^2/NDF: 4136851.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:5538819.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4326004.6/20

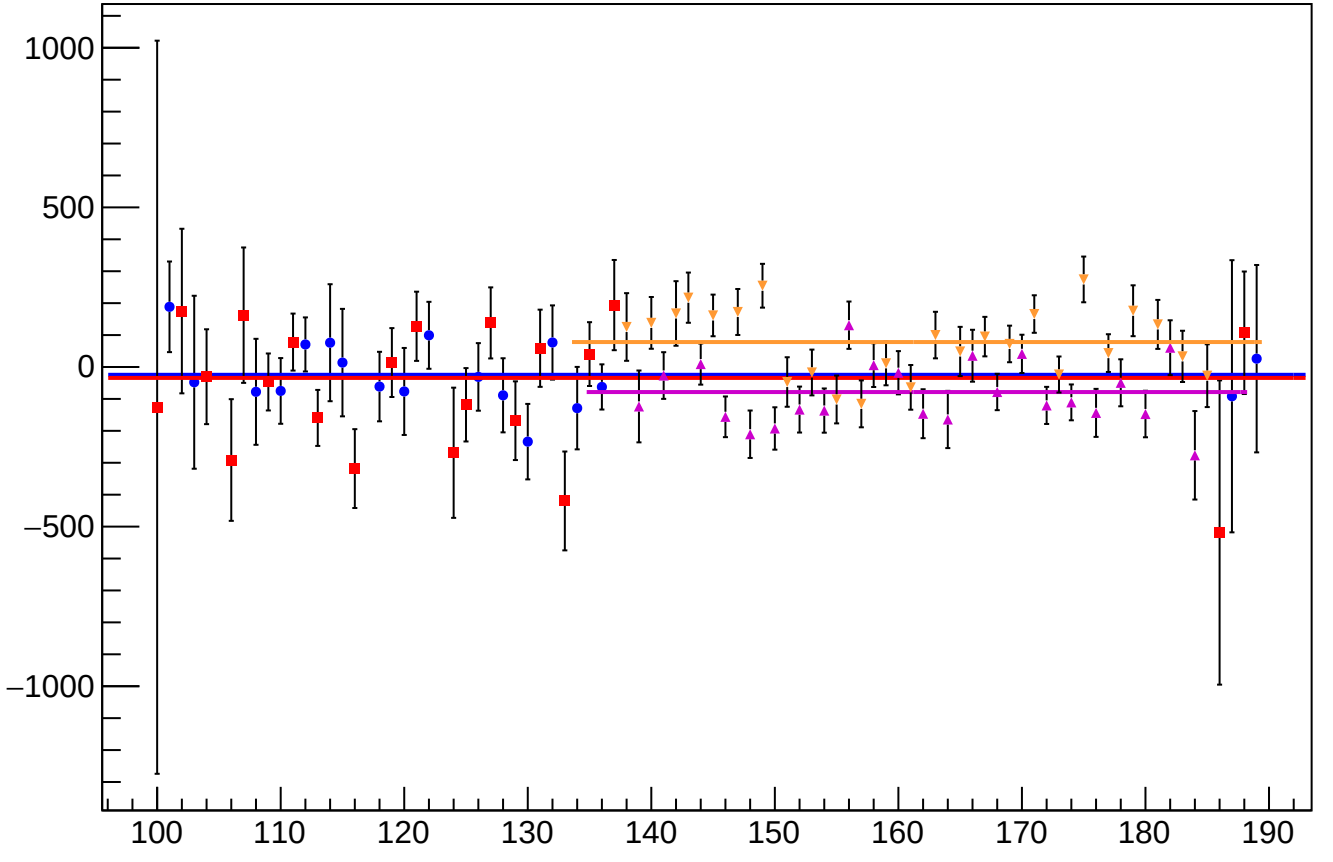
Left In: 0.000+/-0.000 χ^2/NDF:3304370.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 13451596.2/42

All: 0.000+/-0.000 χ^2/NDF: 25859558.4/86

- sign 0.000+/-0.000 χ^2/NDF: 12386445.9/43

reg_asym_sam_37_avg_mean vs Slug



Right In: -24.451+/-28.708 χ^2/NDF: 11.1/17

Left Out: 78.159+/-14.326 χ^2/NDF:53.9/24

Right Out: -34.198+/-28.098 χ^2/NDF: 31.7/20

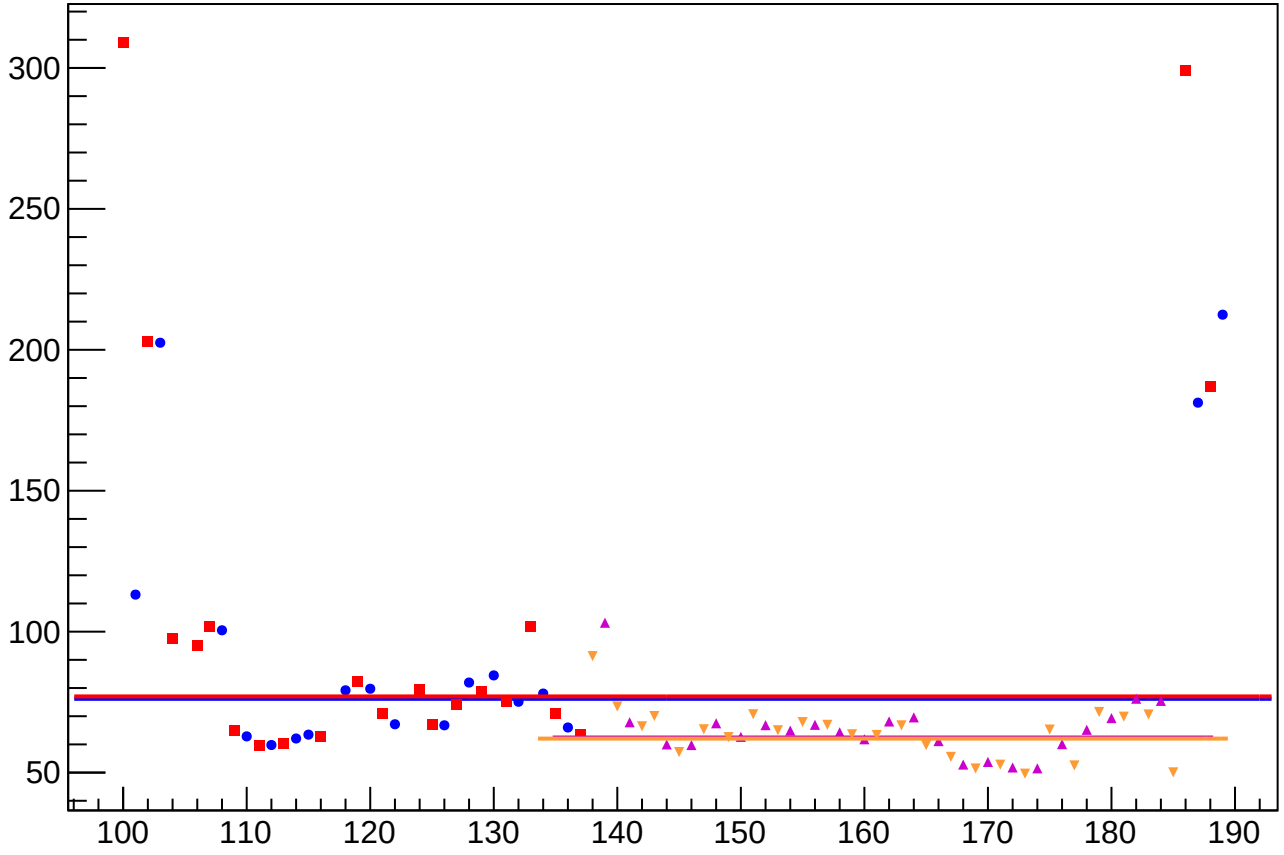
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 57.702+/-12.818 χ^2/NDF: 75.2/42

All: -4.198+/-9.163 χ^2/NDF: 193.1/86

- sign -68.872+/-13.102 χ^2/NDF: 70.3/43

reg_asym_sam_37_avg_rms vs Slug



Right In: 76.175+/-0.020 χ^2/NDF: 1388092.9/17

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

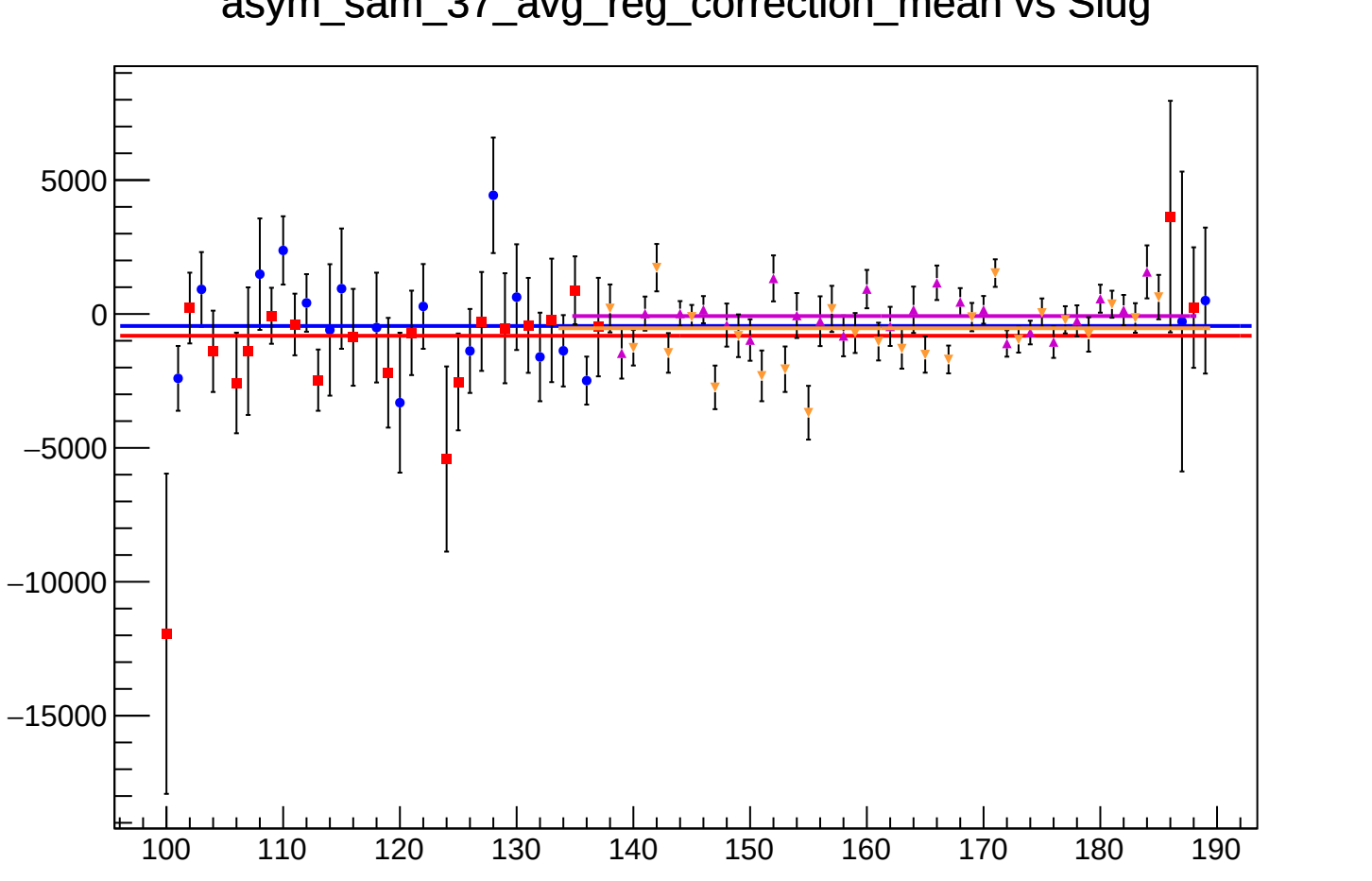
Right Out: 77.024+/-0.020 χ^2/NDF: 2048417.8/20

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 64.876+/-0.009 χ^2/NDF: 2461562.2/42

All: 65.238+/-0.006 χ^2/NDF: 5599238.8/86

- sign 65.615+/-0.009 χ^2/NDF: 3134423.6/43



Right In: -447.820+/-370.715 χ^2/NDF: 23.8/17

Left Out: -532.779+/-127.927 χ^2/NDF:69.1/24

Right Out: -813.529+/-365.929 χ^2/NDF: 14.4/20

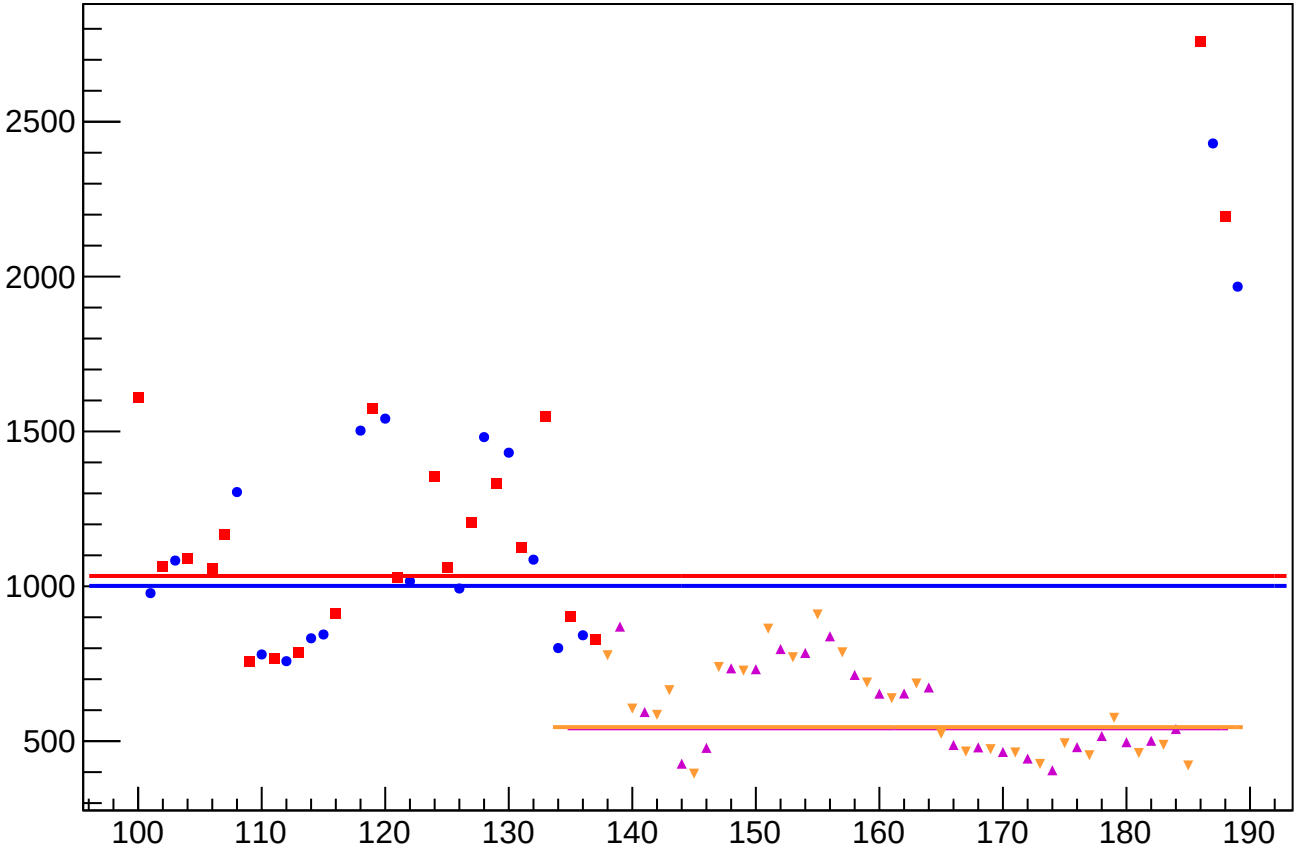
Left In: -77.393+/-130.317 χ^2/NDF:28.4/22

+ sign -523.738+/-120.929 χ^2/NDF: 93.0/42

All: -344.730+/-86.151 χ^2/NDF: 143.7/86

- sign -160.246+/-122.765 χ^2/NDF: 46.3/43

asym_sam_37_avg_reg_correction_rms vs Slug



Right In: 1001.283+/-0.262 χ^2/NDF: 1126804.2/17

Left Out: 545.304+/-0.090 χ^2/NDF:2083690.3/24

Right Out: 1033.340+/-0.259 χ^2/NDF: 1595813.9/20

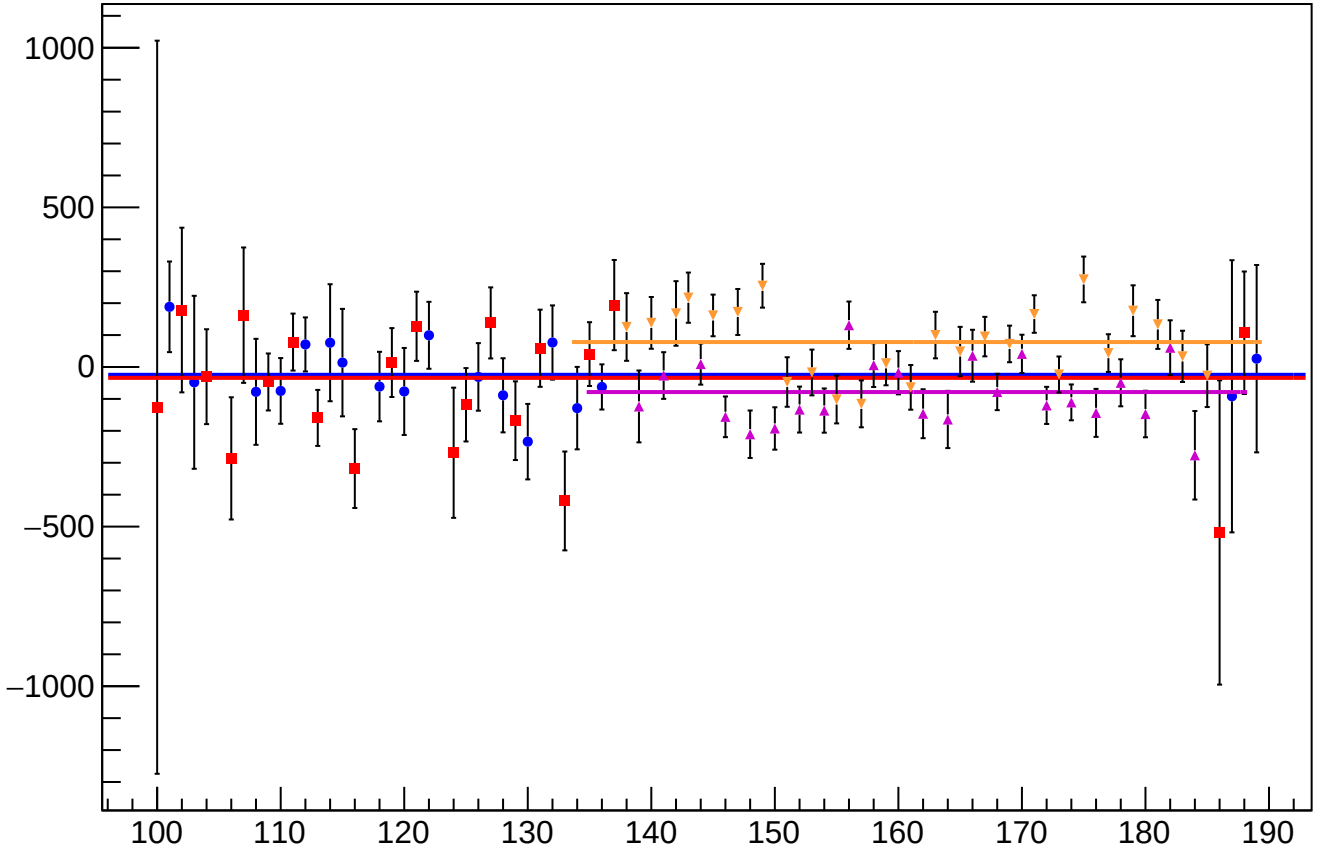
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 593.825+/-0.086 χ^2/NDF: 5914319.2/42

All: 595.300+/-0.061 χ^2/NDF: 12558095.4/86

- sign 596.820+/-0.087 χ^2/NDF: 6643171.9/43

cor_asym_sam_37_avg_mean vs Slug



Right In: -24.459+/-28.708 χ^2/NDF: 11.1/17

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: -34.003+/-28.100 χ^2/NDF: 31.6/20

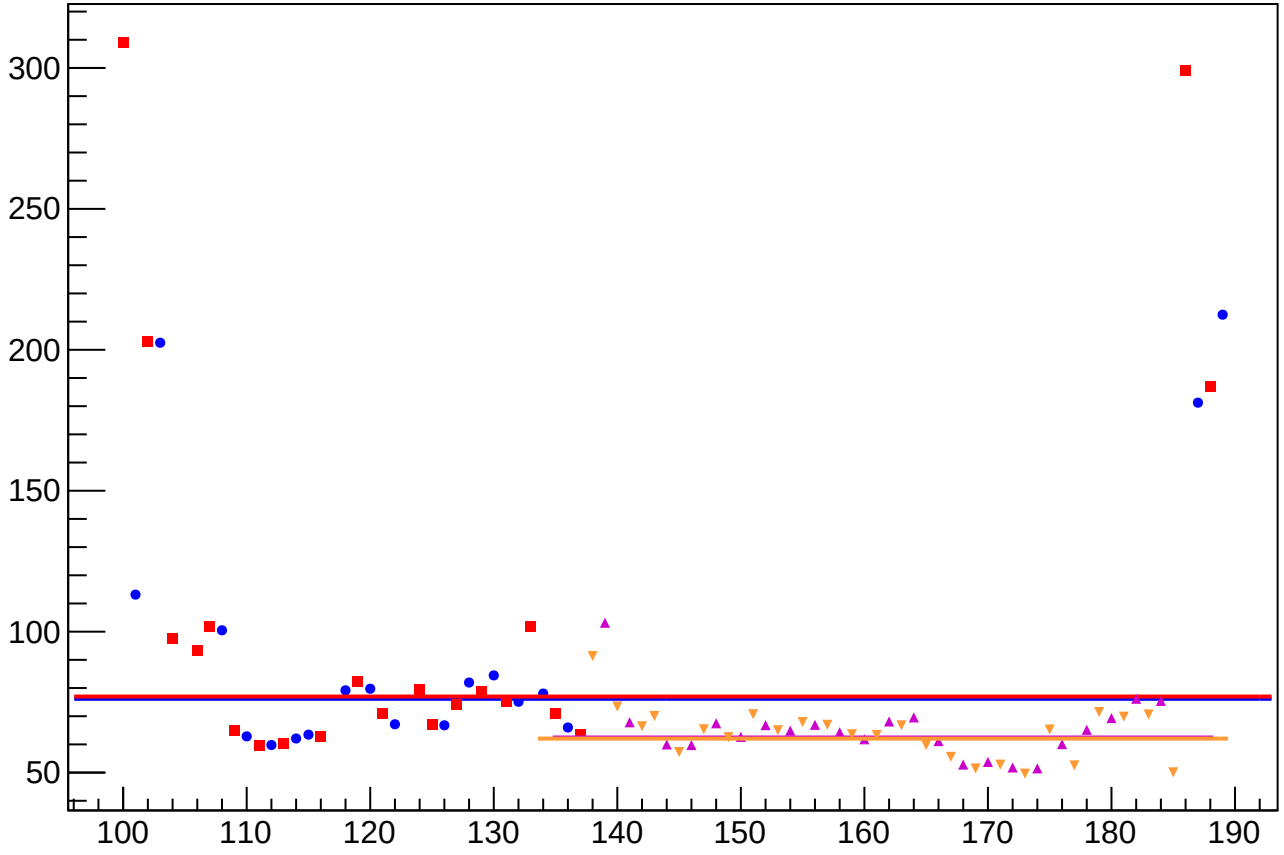
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 57.703+/-12.818 χ^2/NDF: 75.2/42

All: -4.176+/-9.163 χ^2/NDF: 193.1/86

- sign -68.831+/-13.103 χ^2/NDF: 70.2/43

cor_asym_sam_37_avg_rms vs Slug



Right In: 76.175+/-0.020 χ^2/NDF: 1388095.0/17

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

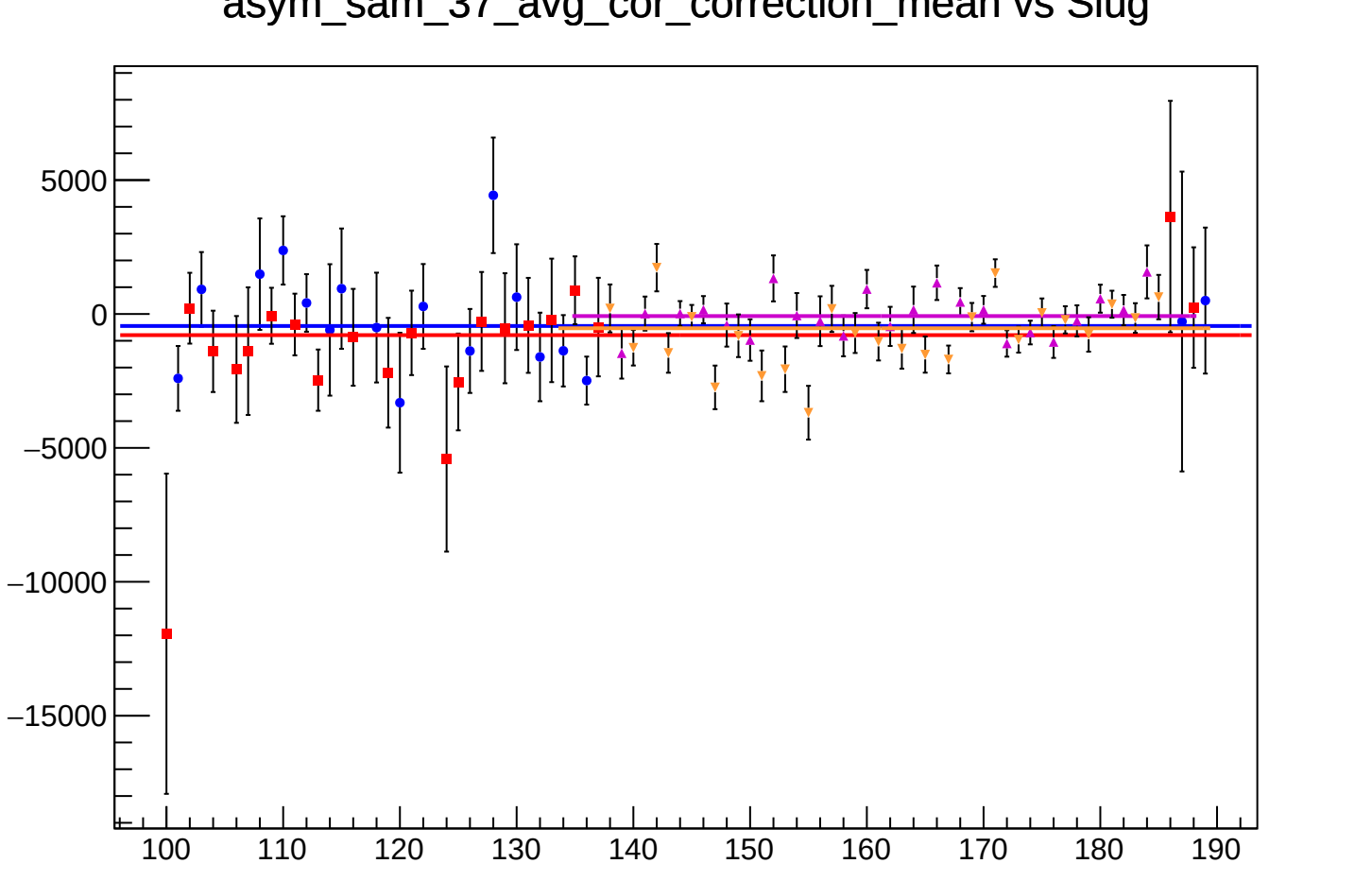
Right Out: 76.984+/-0.020 χ^2/NDF: 2045291.3/20

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 64.876+/-0.009 χ^2/NDF: 2461564.0/42

All: 65.233+/-0.006 χ^2/NDF: 5593649.0/86

- sign 65.606+/-0.009 χ^2/NDF: 3128912.7/43



Right In: -447.806+/-370.718 χ^2/NDF: 23.8/17

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

Right Out: -789.490+/-366.740 χ^2/NDF: 13.9/20

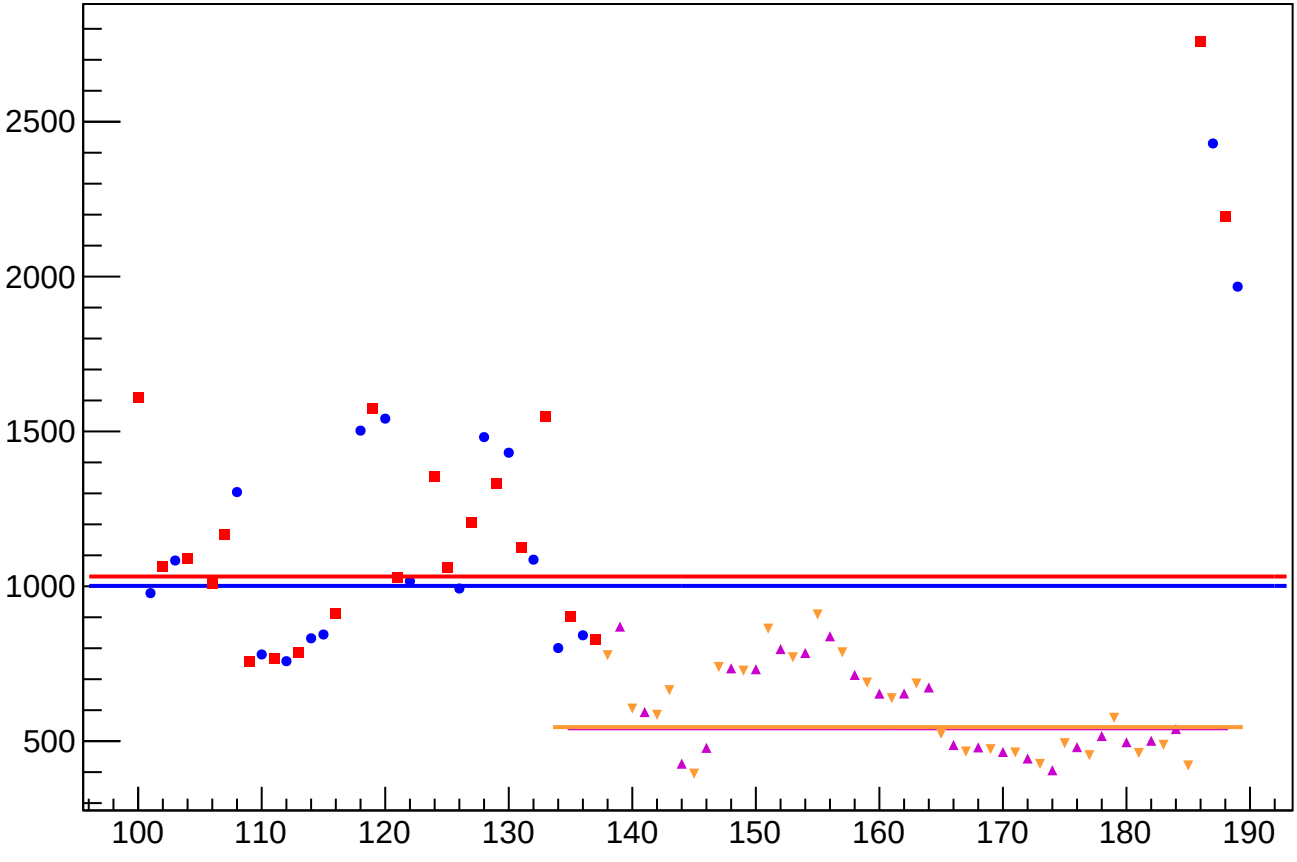
Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -523.735+/-120.929 χ^2/NDF: 93.0/42

All: -343.287+/-86.162 χ^2/NDF: 143.1/86

- sign -157.226+/-122.795 χ^2/NDF: 45.6/43

asym_sam_37_avg_cor_correction_rms vs Slug



Right In: 1001.290+/-0.262 χ^2/NDF: 1126823.7/17

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1031.664+/-0.259 χ^2/NDF: 1595792.5/20

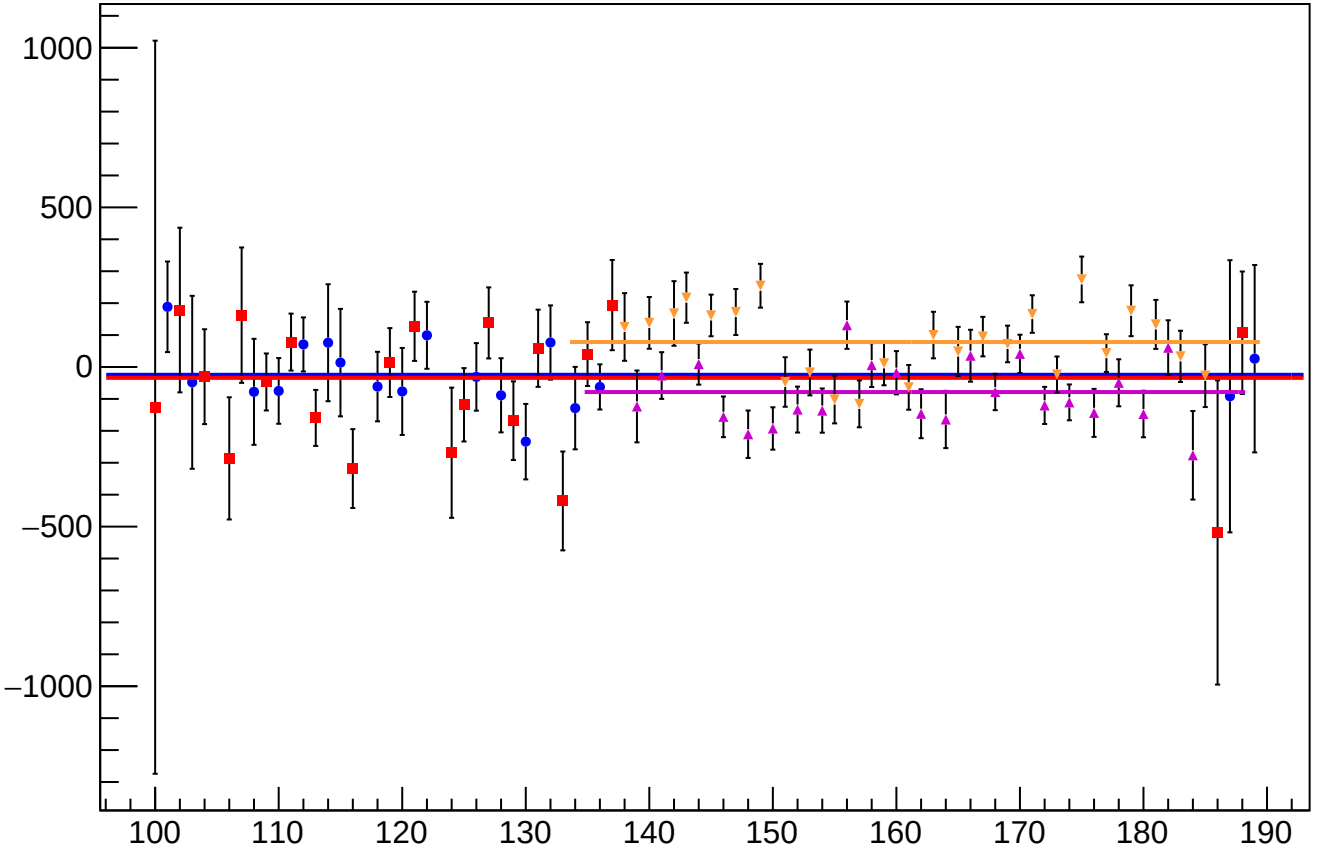
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 593.825+/-0.086 χ^2/NDF: 5914374.4/42

All: 595.100+/-0.061 χ^2/NDF: 12523662.2/86

- sign 596.415+/-0.087 χ^2/NDF: 6608836.0/43

eigen_cor_asym_sam_37_avg_mean vs Slug



Right In: -24.459+/-28.708 χ^2/NDF: 11.1/17

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: -34.003+/-28.100 χ^2/NDF: 31.6/20

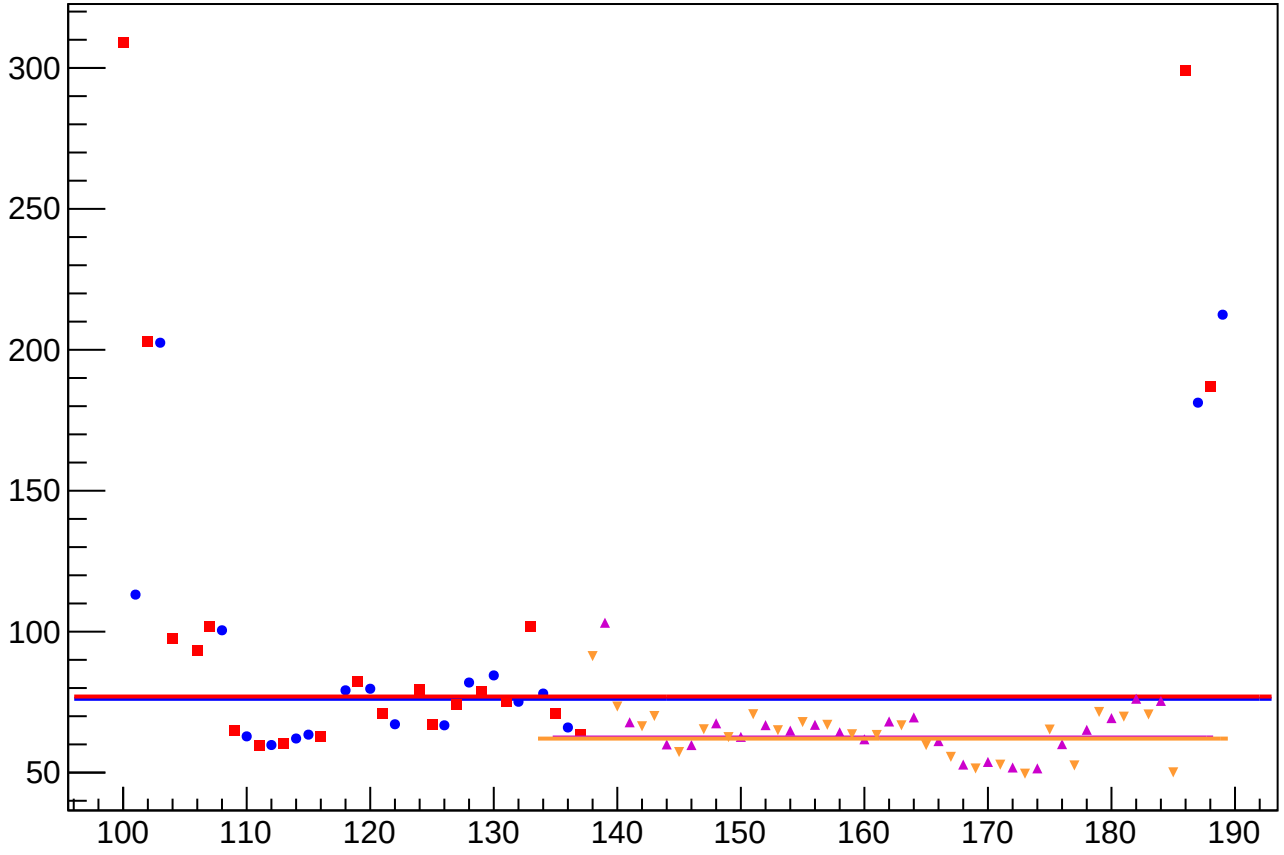
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 57.703+/-12.818 χ^2/NDF: 75.2/42

All: -4.176+/-9.163 χ^2/NDF: 193.1/86

- sign -68.831+/-13.103 χ^2/NDF: 70.2/43

eigen_cor_asym_sam_37_avg_rms vs Slug



Right In: 76.175+/-0.020 χ^2/NDF: 1388095.0/17

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

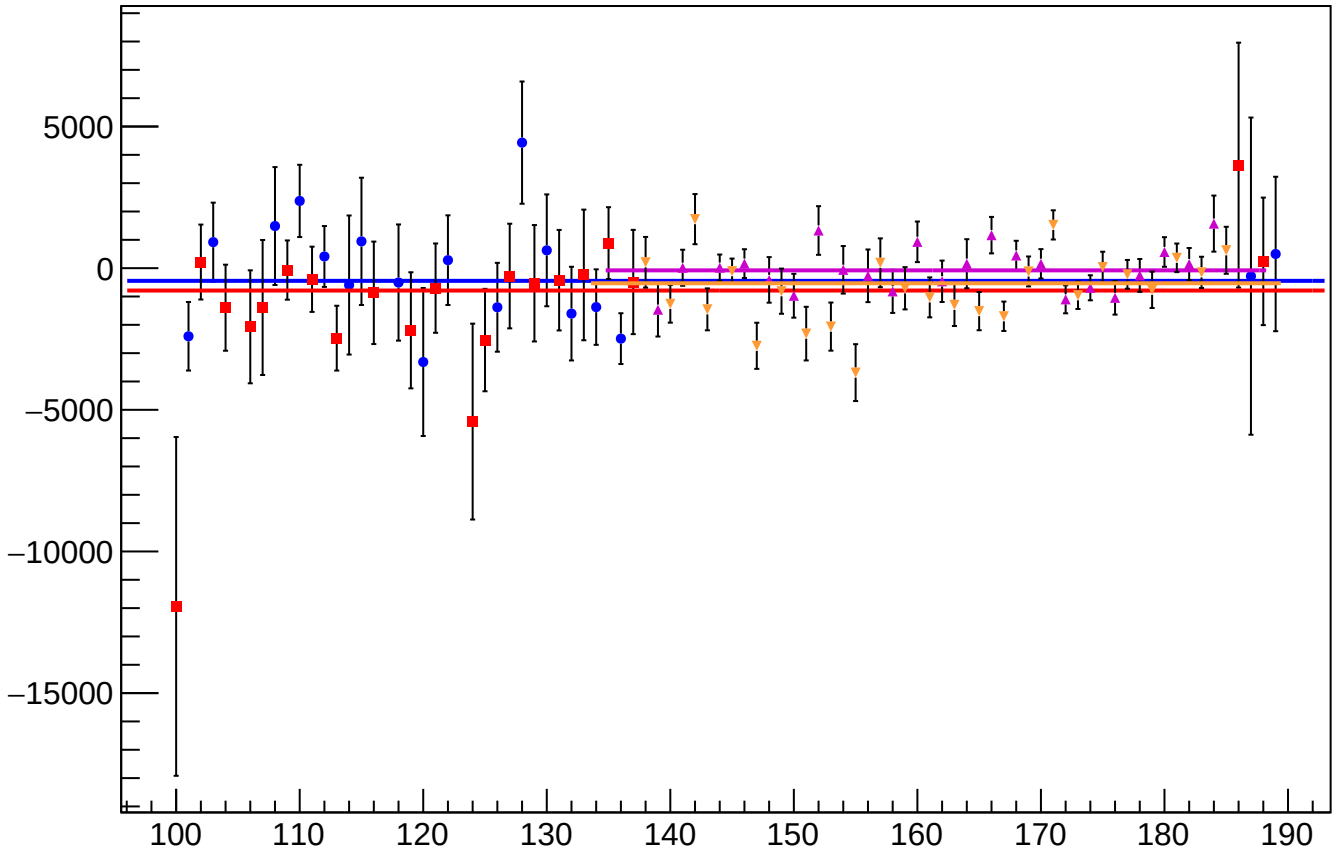
Right Out: 76.984+/-0.020 χ^2/NDF: 2045291.3/20

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 64.876+/-0.009 χ^2/NDF: 2461564.0/42

All: 65.233+/-0.006 χ^2/NDF: 5593649.0/86

- sign 65.606+/-0.009 χ^2/NDF: 3128912.7/43



Right In: -447.806+/-370.718 χ^2/NDF: 23.8/17

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

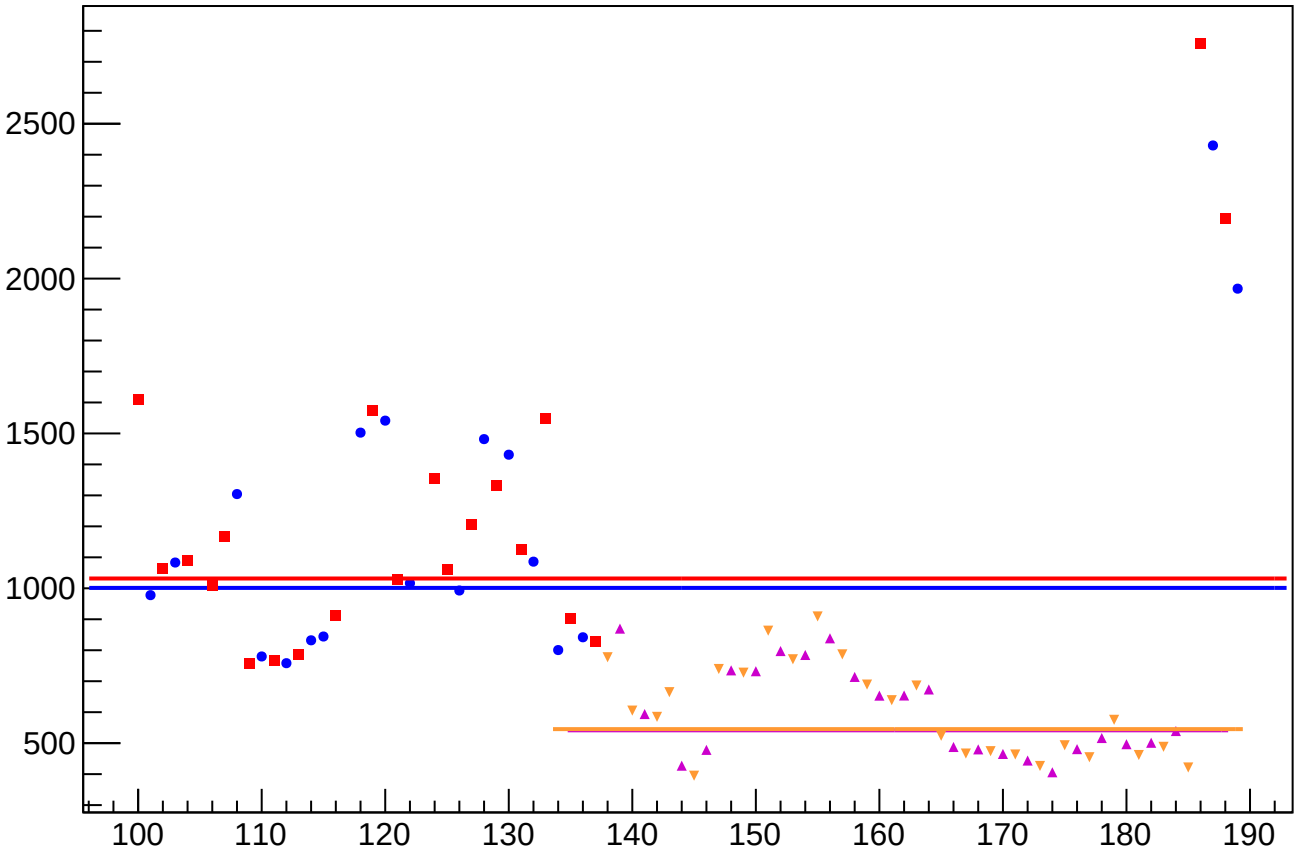
Right Out: -789.490+/-366.740 χ^2/NDF: 13.9/20

Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -523.735+/-120.929 χ^2/NDF: 93.0/42

All: -343.287+/-86.162 χ^2/NDF: 143.1/86

- sign -157.226+/-122.795 χ^2/NDF: 45.6/43



Right In: 1001.290+/-0.262 χ^2/NDF: 1126823.7/17

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1031.664+/-0.259 χ^2/NDF: 1595792.5/20

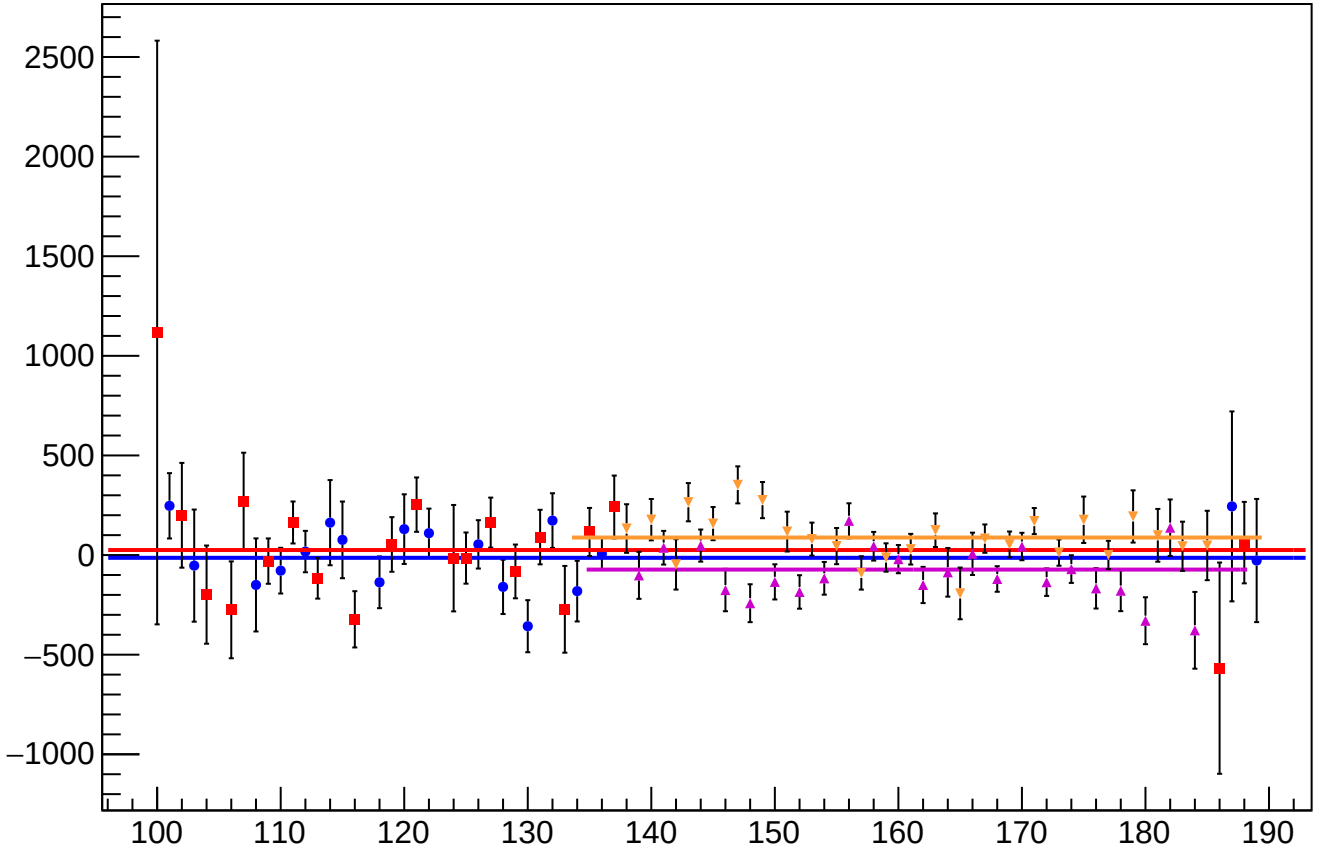
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 593.825+/-0.086 χ^2/NDF: 5914374.4/42

All: 595.100+/-0.061 χ^2/NDF: 12523662.2/86

- sign 596.415+/-0.087 χ^2/NDF: 6608836.0/43

dit_asym_sam_37_avg_mean vs Slug



Right In: -13.820+/-33.478 χ^2/NDF: 18.6/17

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: 25.240+/-33.542 χ^2/NDF: 24.9/20

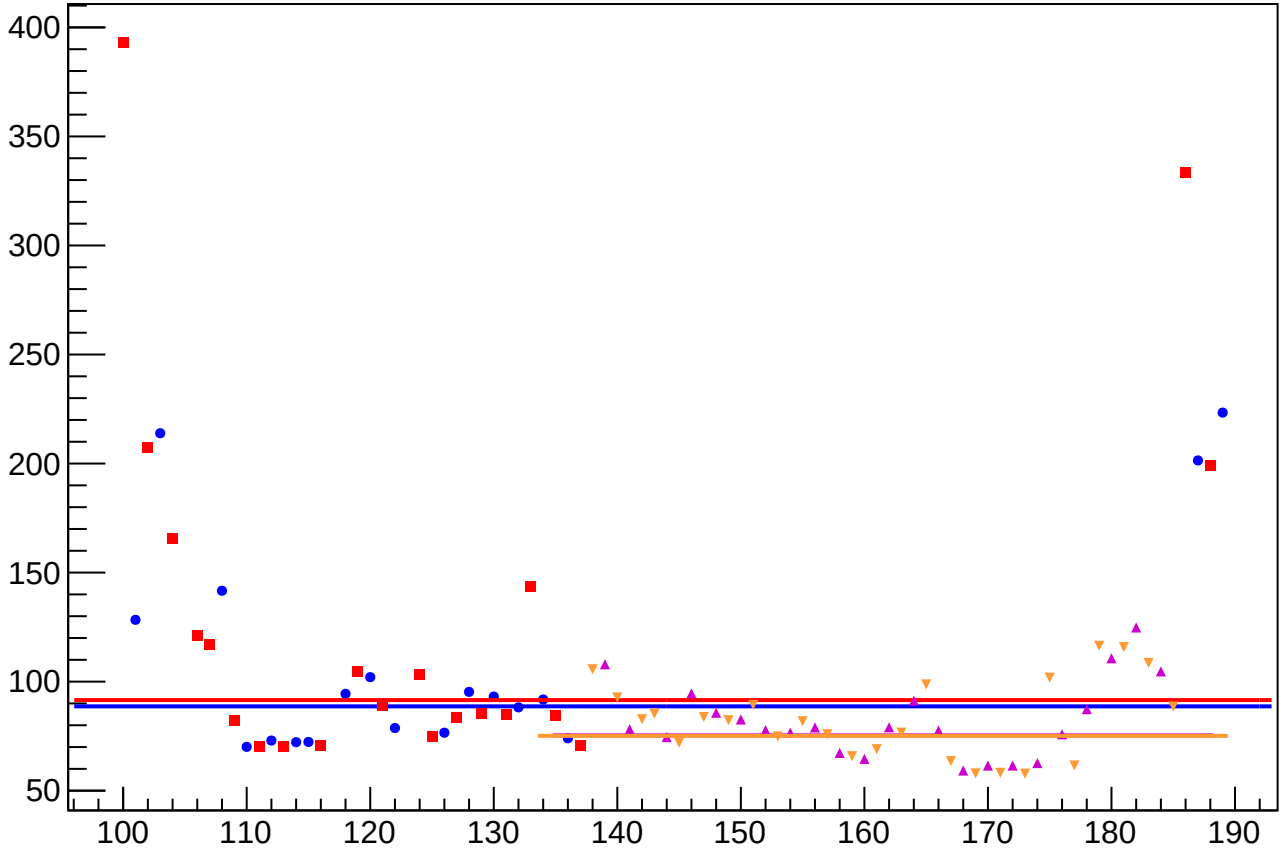
Left In: -72.849+/-18.276 χ^2/NDF:38.4/22

+ sign 65.700+/-15.678 χ^2/NDF: 62.7/42

All: 9.006+/-11.215 χ^2/NDF: 159.4/86

- sign -50.395+/-16.048 χ^2/NDF: 69.9/43

dit_asym_sam_37_avg_rms vs Slug



Right In: 88.661+/-0.024 χ^2/NDF: 1356177.2/17

Left Out: 75.128+/-0.013 χ^2/NDF:1601461.8/24

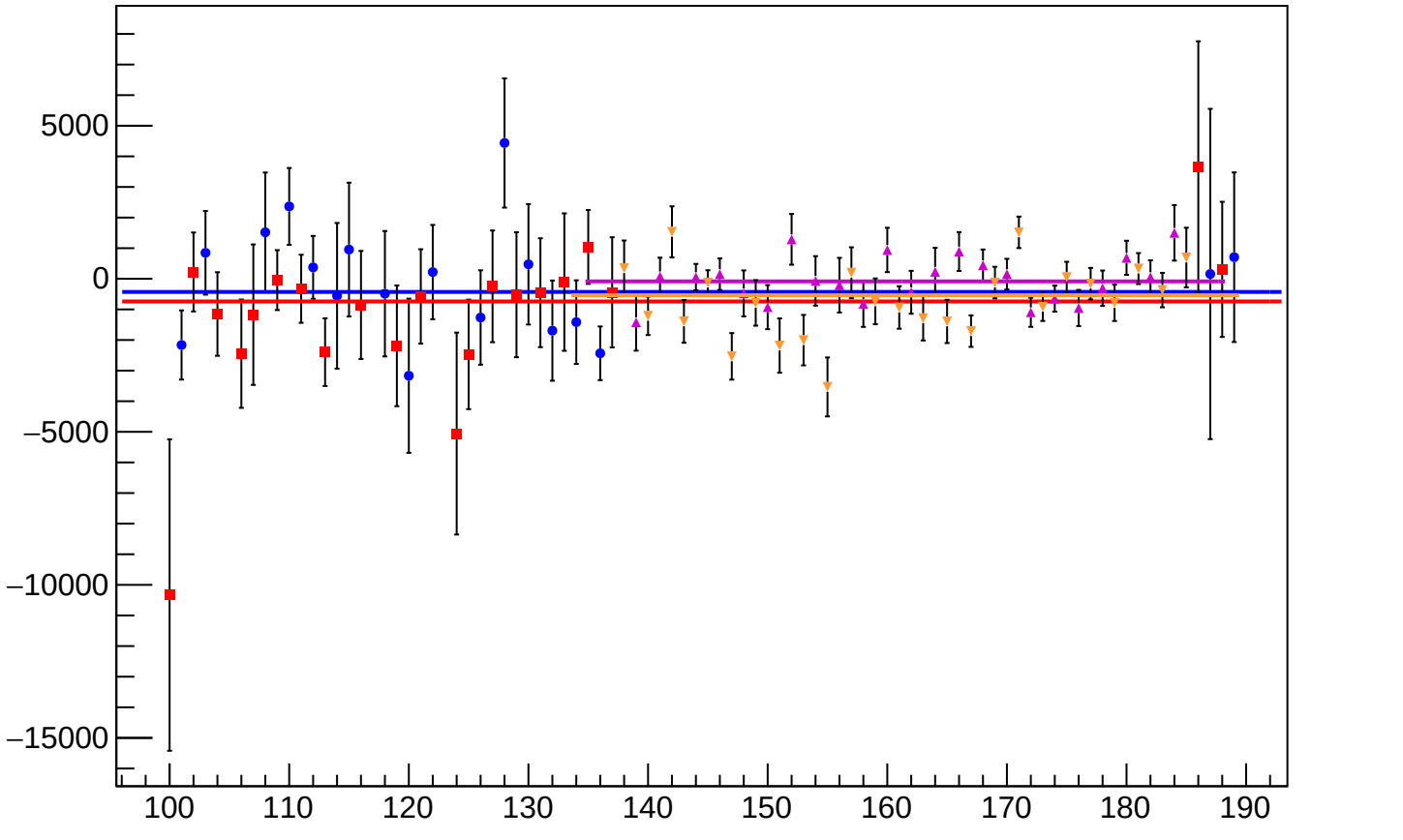
Right Out: 91.538+/-0.024 χ^2/NDF: 2125533.1/20

Left In: 75.363+/-0.013 χ^2/NDF:1225318.4/22

+ sign 78.096+/-0.011 χ^2/NDF: 3212770.4/42

All: 78.570+/-0.008 χ^2/NDF: 6925975.6/86

- sign 79.066+/-0.011 χ^2/NDF: 3709469.4/43



Right In: -428.925+/-361.647 χ^2/NDF: 23.9/17

Left Out: -536.789+/-124.471 χ^2/NDF:67.0/24

Right Out: -740.362+/-351.958 χ^2/NDF: 15.0/20

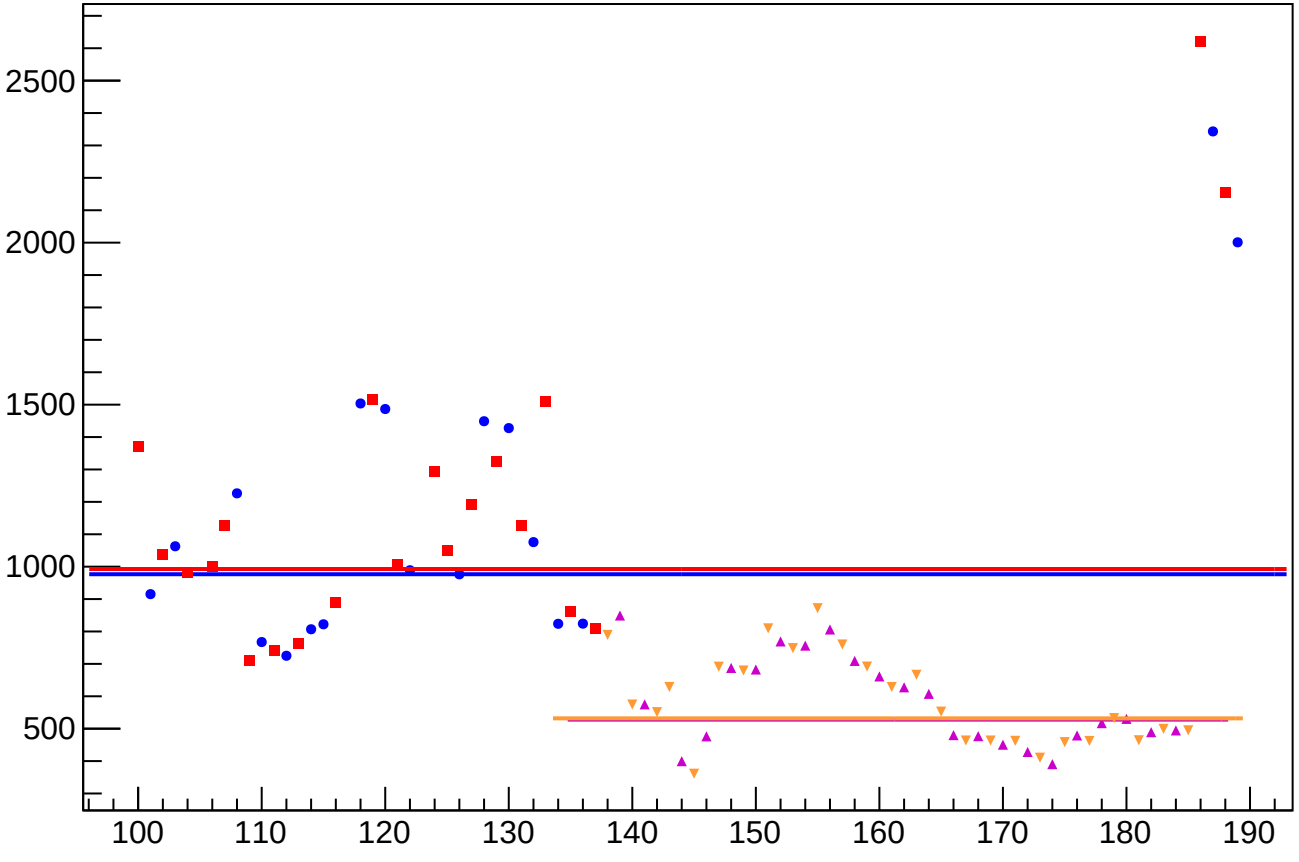
Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

+ sign -525.365+/-117.695 χ^2/NDF: 91.0/42

All: -345.574+/-83.852 χ^2/NDF: 141.3/86

- sign -160.248+/-119.493 χ^2/NDF: 45.6/43

asym_sam_37_avg_dit_correction_rms vs Slug



Right In: 976.669+/-0.256 χ^2/NDF: 1156850.9/17

Left Out: 531.872+/-0.088 χ^2/NDF:2037750.0/24

Right Out: 992.768+/-0.249 χ^2/NDF: 1648358.7/20

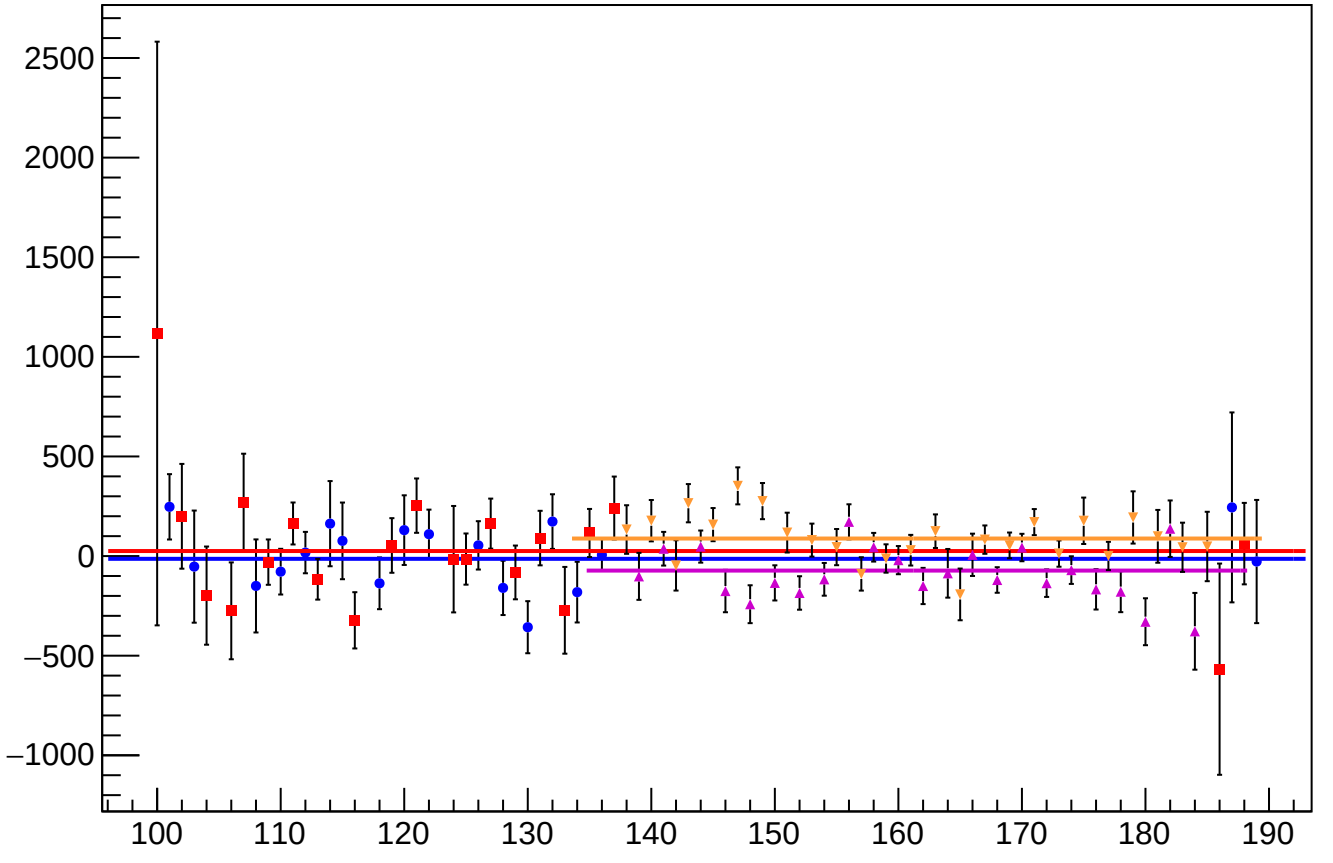
Left In: 527.986+/-0.090 χ^2/NDF:1800455.5/22

+ sign 578.982+/-0.083 χ^2/NDF: 5899582.4/42

All: 580.251+/-0.059 χ^2/NDF: 12434608.4/86

- sign 581.560+/-0.084 χ^2/NDF: 6534553.6/43

eigen_dit_asym_sam_37_avg_mean vs Slug



Right In: -13.821+/-33.479 χ^2/NDF: 18.6/17

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: 25.243+/-33.542 χ^2/NDF: 24.9/20

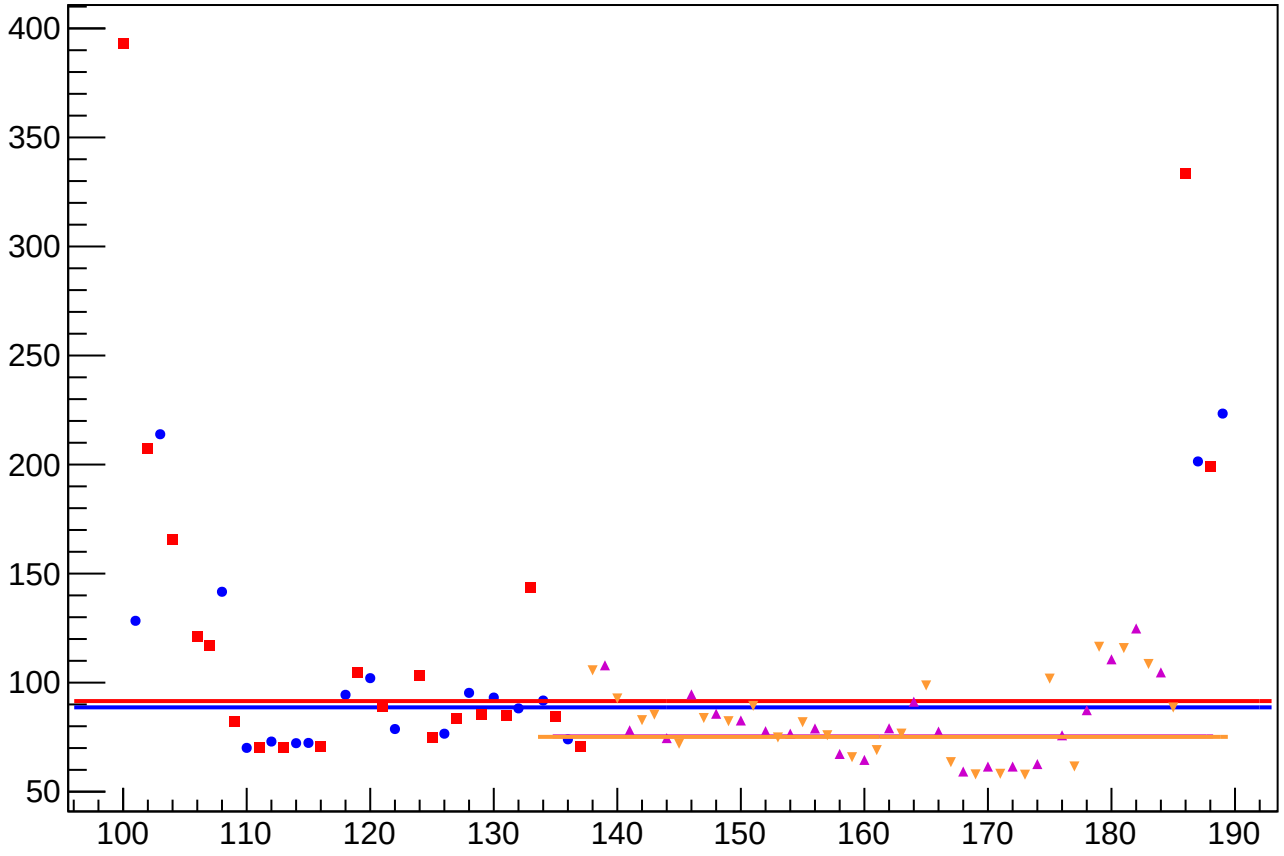
Left In: -72.848+/-18.276 χ^2/NDF:38.4/22

+ sign 65.700+/-15.678 χ^2/NDF: 62.7/42

All: 9.006+/-11.215 χ^2/NDF: 159.4/86

- sign -50.394+/-16.048 χ^2/NDF: 69.9/43

eigen_dit_asym_sam_37_avg_rms vs Slug



Right In: 88.661+/-0.024 χ^2/NDF: 1356168.5/17

Left Out: 75.128+/-0.013 χ^2/NDF:1601462.6/24

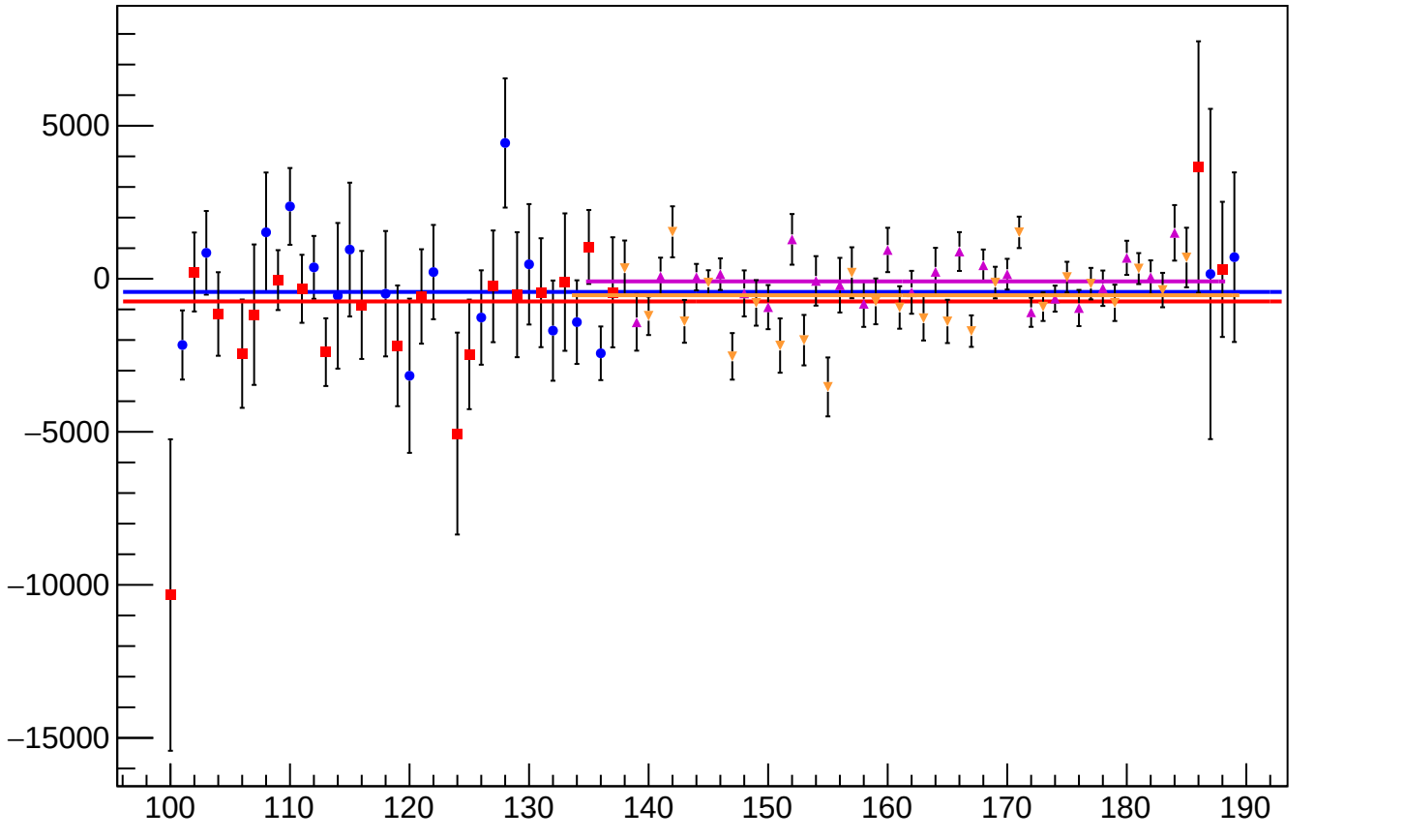
Right Out: 91.538+/-0.024 χ^2/NDF: 2125533.2/20

Left In: 75.363+/-0.013 χ^2/NDF:1225319.2/22

+ sign 78.096+/-0.011 χ^2/NDF: 3212765.2/42

All: 78.570+/-0.008 χ^2/NDF: 6925979.2/86

- sign 79.066+/-0.011 χ^2/NDF: 3709478.2/43



Right In: -428.923+/-361.646 χ^2/NDF: 23.9/17

Left Out: -536.790+/-124.471 χ^2/NDF:67.0/24

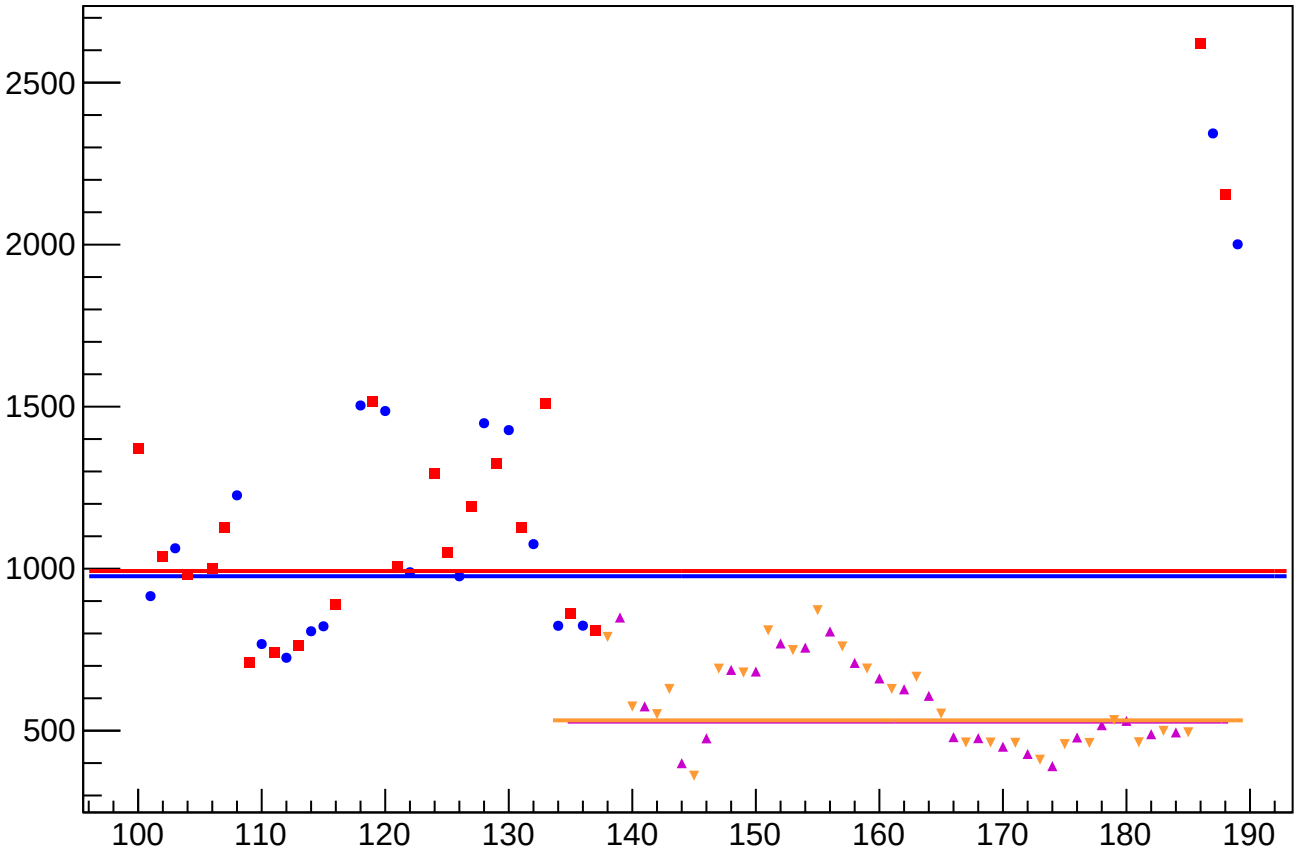
Right Out: -740.361+/-351.957 χ^2/NDF: 15.0/20

Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

+ sign -525.365+/-117.695 χ^2/NDF: 91.0/42

All: -345.575+/-83.852 χ^2/NDF: 141.3/86

- sign -160.248+/-119.493 χ^2/NDF: 45.6/43



Right In: 976.667+/-0.256 χ^2/NDF: 1156854.5/17

Left Out: 531.872+/-0.088 χ^2/NDF:2037744.9/24

Right Out: 992.766+/-0.249 χ^2/NDF: 1648358.4/20

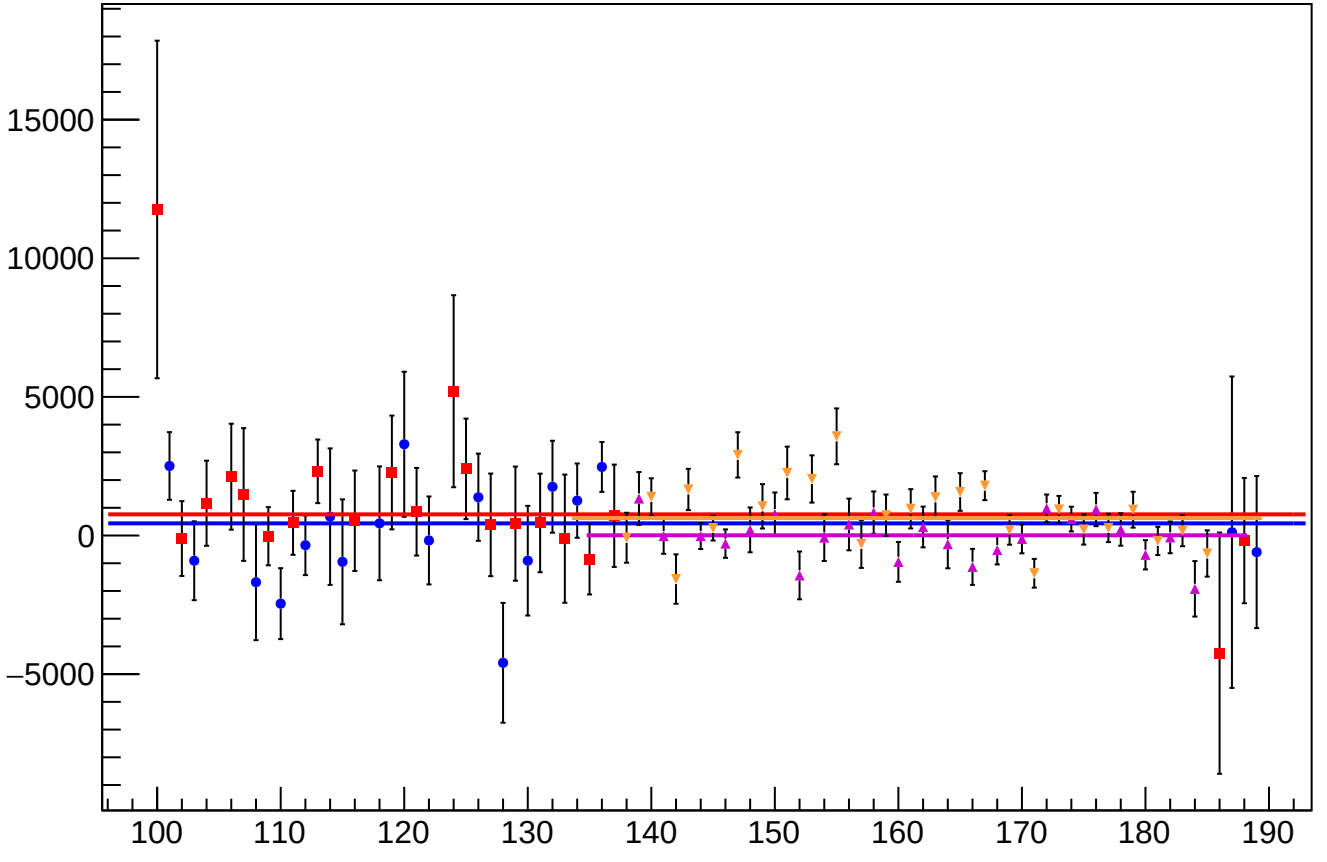
Left In: 527.986+/-0.090 χ^2/NDF:1800449.7/22

+ sign 578.982+/-0.083 χ^2/NDF: 5899570.7/42

All: 580.251+/-0.059 χ^2/NDF: 12434579.2/86

- sign 581.560+/-0.084 χ^2/NDF: 6534536.0/43

asym_sam_37_avg_mean vs Slug



Right In: 438.135+/-372.543 χ^2/NDF: 24.7/17

Left Out: 629.379+/-128.853 χ^2/NDF:64.9/24

Right Out: 763.542+/-367.892 χ^2/NDF: 13.2/20

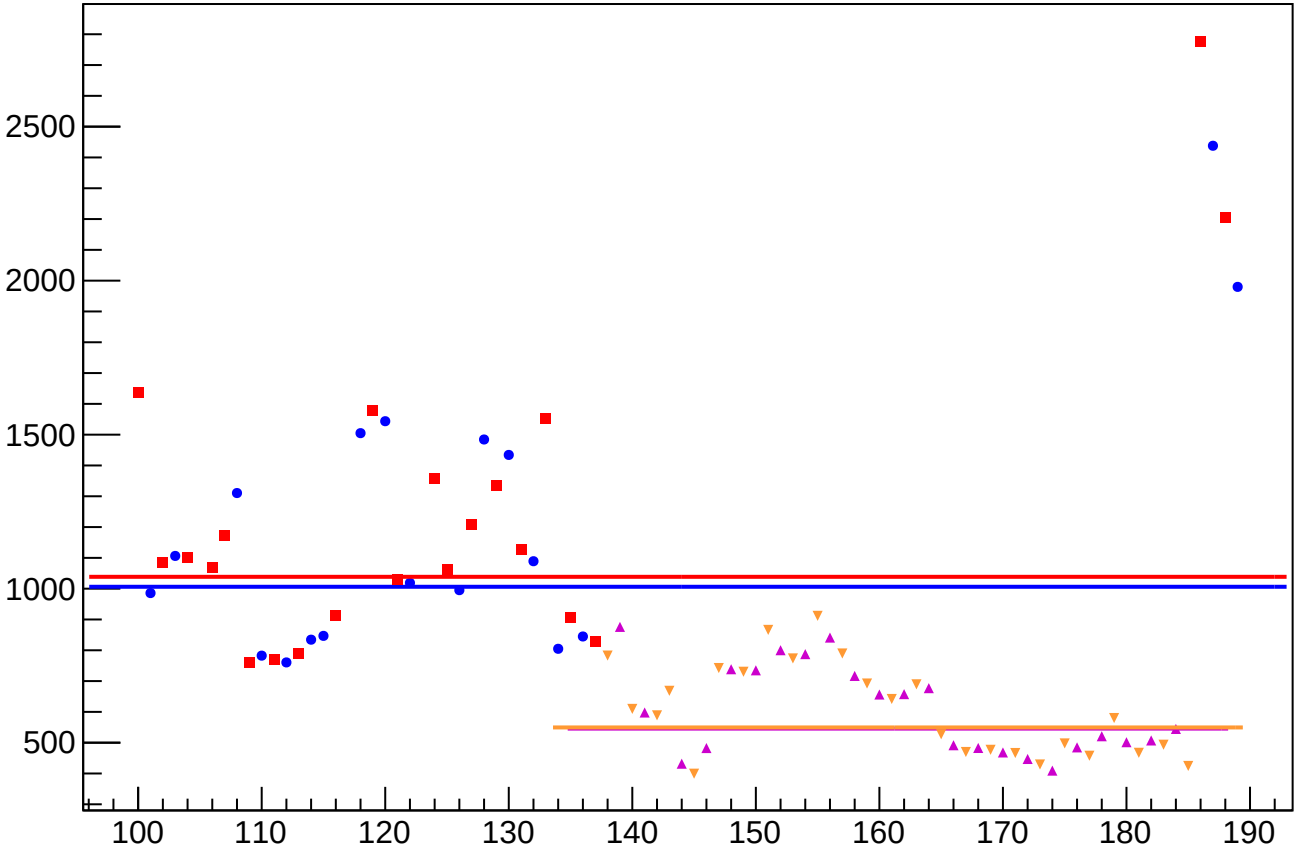
Left In: 8.460+/-131.289 χ^2/NDF:27.3/22

+ sign 608.945+/-121.775 χ^2/NDF: 89.8/42

All: 355.291+/-86.764 χ^2/NDF: 142.9/86

- sign 93.761+/-123.651 χ^2/NDF: 44.3/43

asym_sam_37_avg_rms vs Slug



Right In: 1006.178+/-0.263 χ^2/NDF: 1128291.9/17

Left Out: 549.475+/-0.091 χ^2/NDF:2053905.8/24

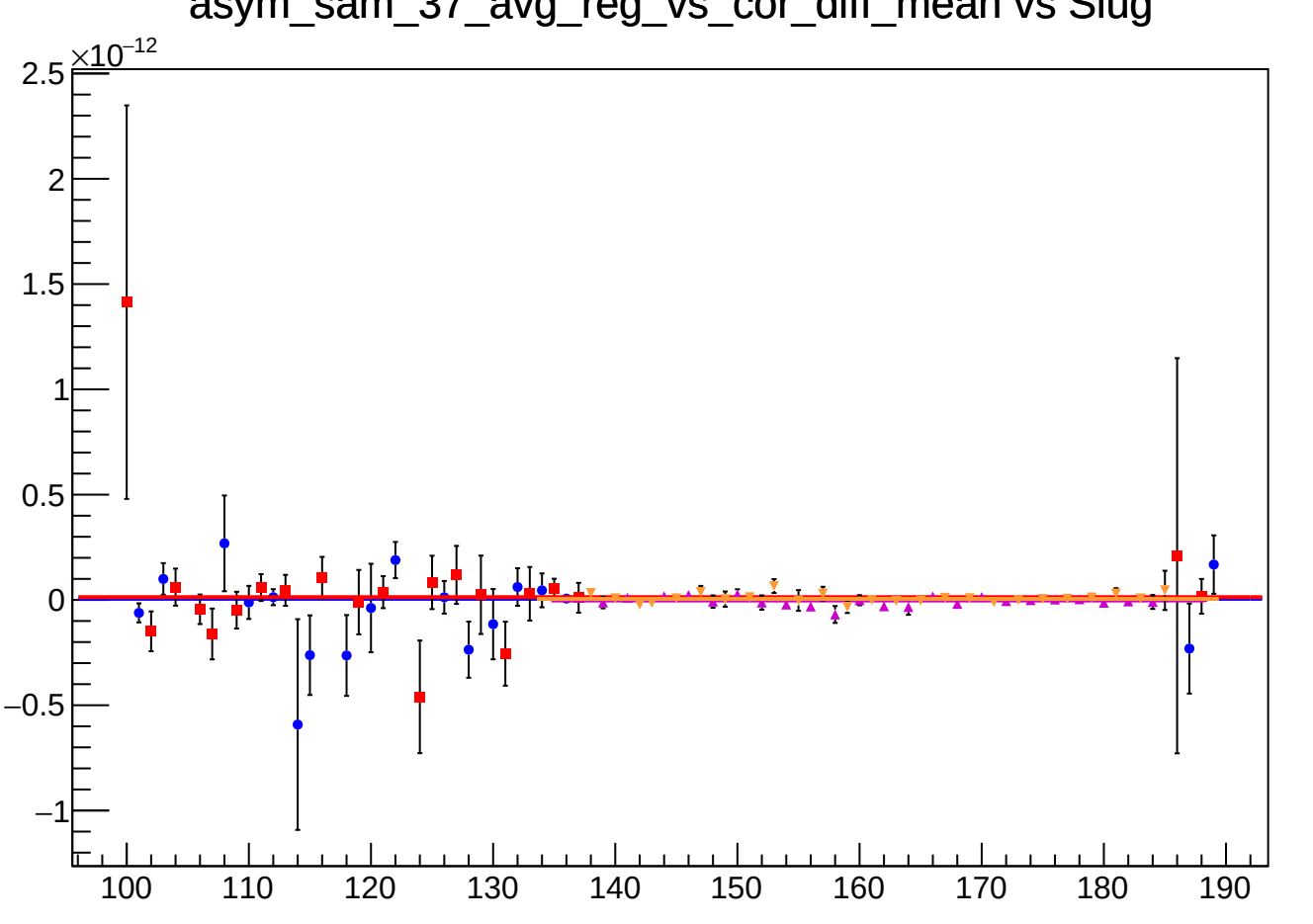
Right Out: 1038.518+/-0.260 χ^2/NDF: 1599815.0/20

Left In: 545.708+/-0.093 χ^2/NDF:1814508.3/22

+ sign 598.272+/-0.086 χ^2/NDF: 5866751.8/42

All: 599.802+/-0.061 χ^2/NDF: 12465090.4/86

- sign 601.380+/-0.087 χ^2/NDF: 6597697.3/43



Right In: 0.000+/-0.000 χ^2/NDF: 22.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:15.6/24

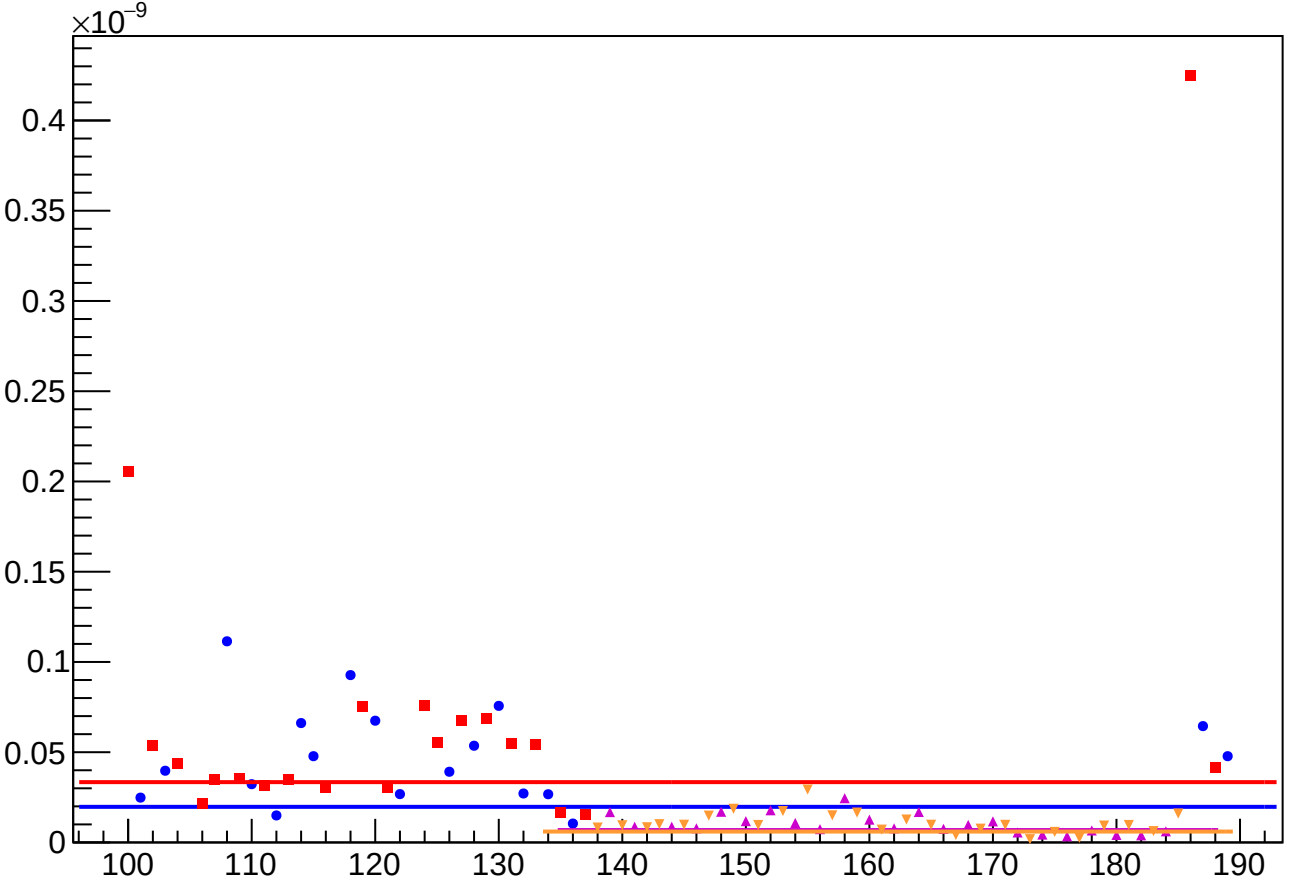
Right Out: 0.000+/-0.000 χ^2/NDF: 18.5/20

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 37.9/42

All: 0.000+/-0.000 χ^2/NDF: 79.4/86

- sign -0.000+/-0.000 χ^2/NDF: 39.1/43



Right In: 0.000+/-0.000 χ^2/NDF: 2149847.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:3623754.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1550539.9/20

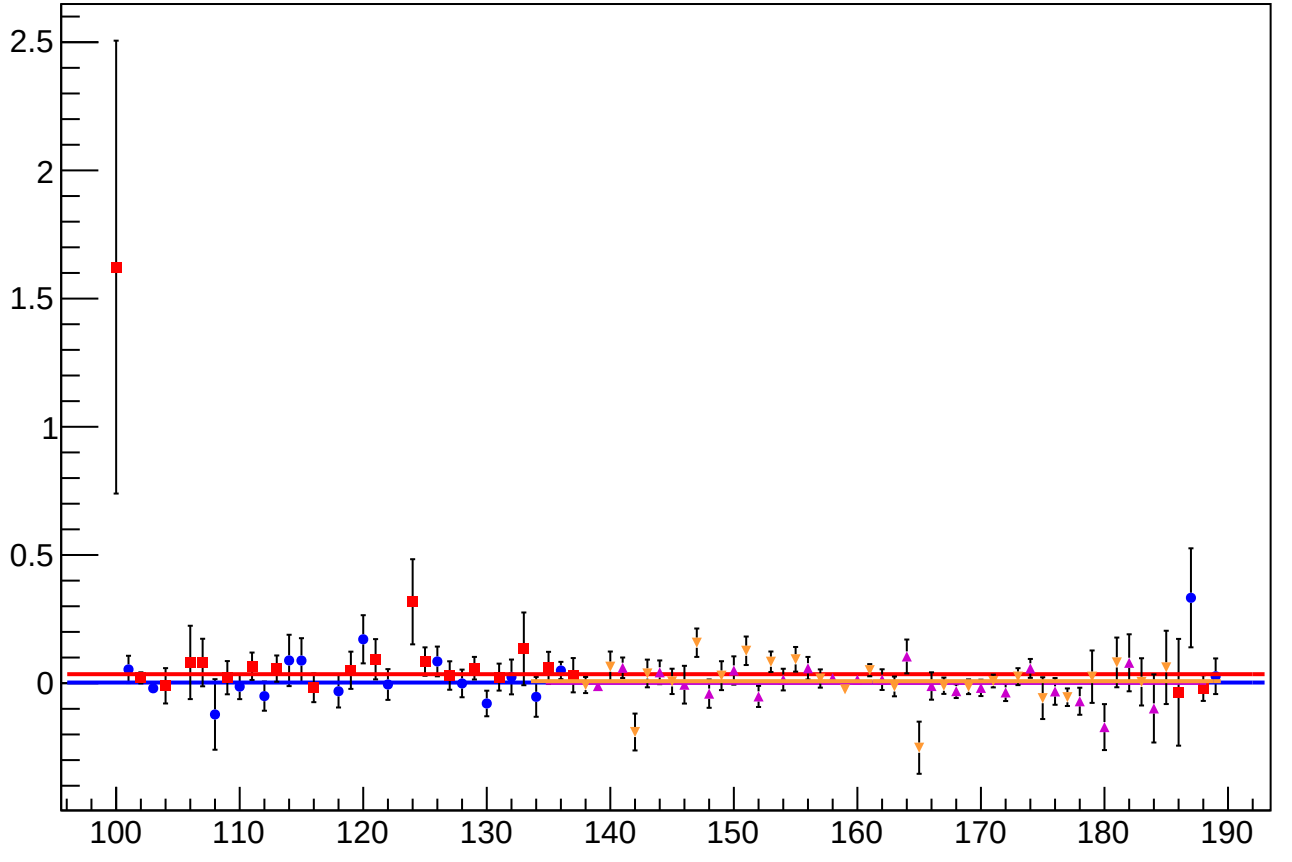
Left In: 0.000+/-0.000 χ^2/NDF:2417942.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 7519438.3/42

All: 0.000+/-0.000 χ^2/NDF: 14970443.4/86

- sign 0.000+/-0.000 χ^2/NDF: 7361320.9/43

asym_sam_37_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.012 χ^2/NDF: 19.6/17

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.035+/-0.012 χ^2/NDF: 12.4/20

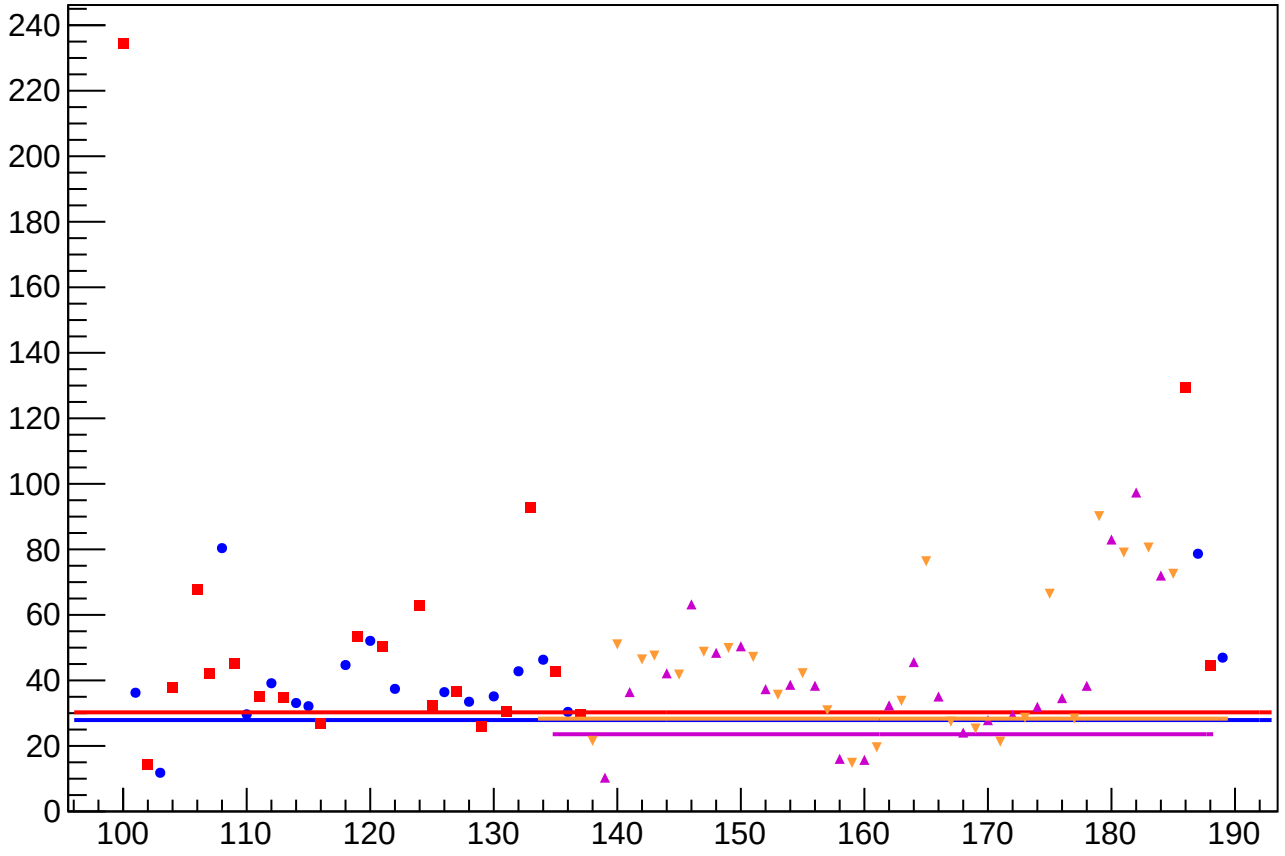
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 67.3/42

All: 0.008+/-0.004 χ^2/NDF: 110.8/86

- sign 0.009+/-0.006 χ^2/NDF: 43.4/43

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug



Right In: 27.896+/-0.008 χ^2/NDF: 2712003.0/17

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

Right Out: 30.256+/-0.009 χ^2/NDF: 3093113.9/20

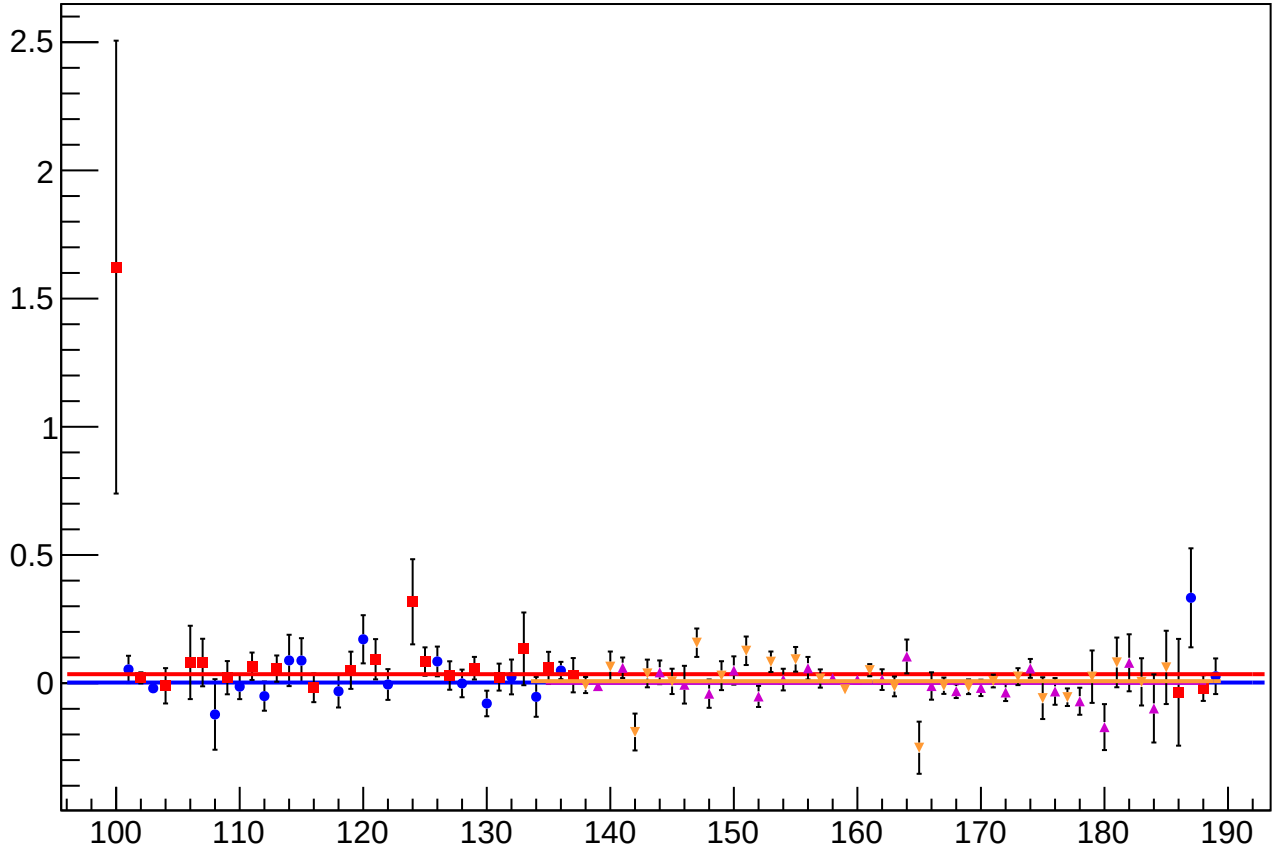
Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

\+ sign 28.200+/-0.005 χ^2/NDF: 9502169.1/42

All: 26.569+/-0.003 χ^2/NDF: 21559268.3/86

\- sign 25.152+/-0.004 χ^2/NDF: 11812992.5/43

asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.002+/-0.012 χ^2/NDF: 19.6/17

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.035+/-0.012 χ^2/NDF: 12.4/20

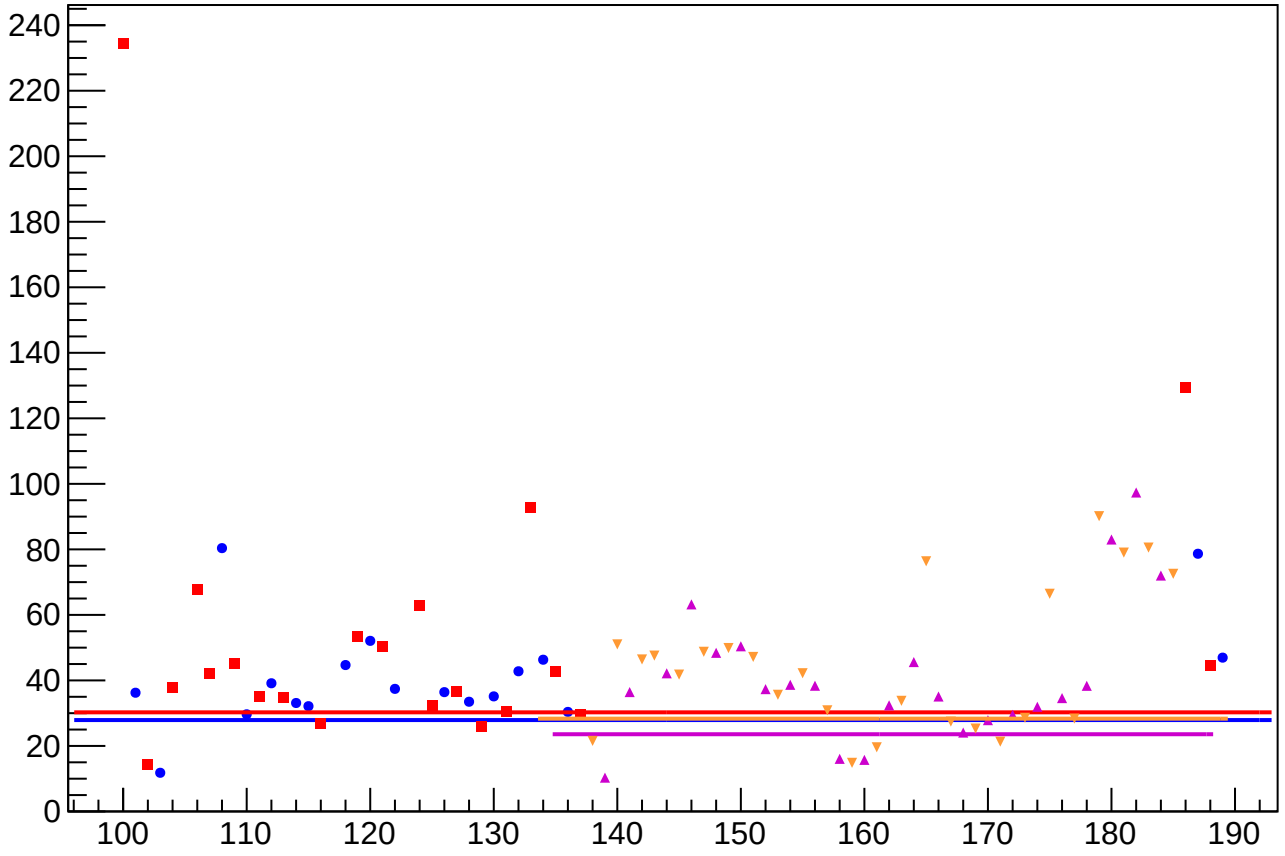
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 67.3/42

All: 0.008+/-0.004 χ^2/NDF: 110.8/86

- sign 0.009+/-0.006 χ^2/NDF: 43.4/43

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.896+/-0.008 χ^2/NDF: 2712003.0/17

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

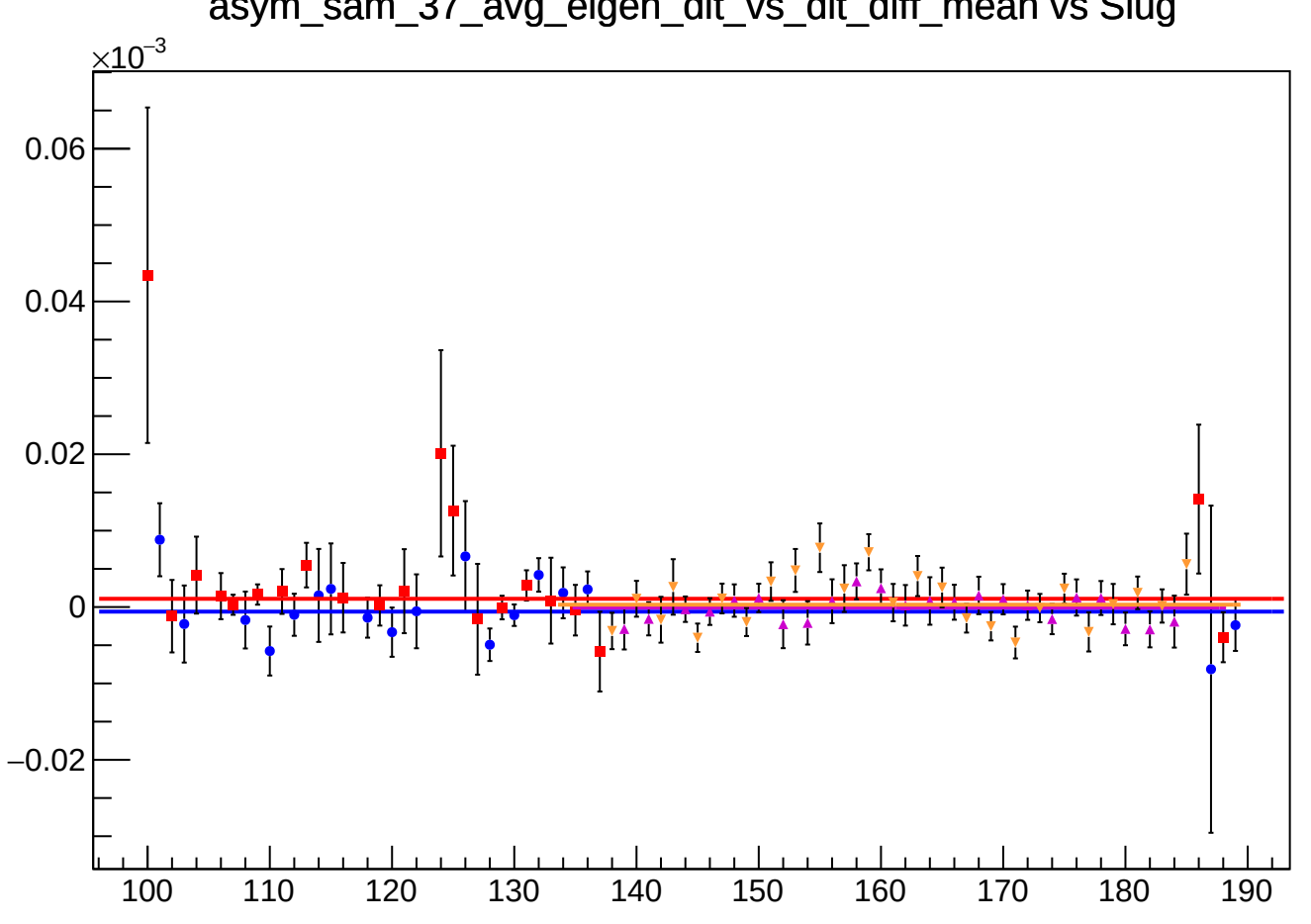
Right Out: 30.256+/-0.009 χ^2/NDF: 3093113.9/20

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

+ sign 28.200+/-0.005 χ^2/NDF: 9502169.1/42

All: 26.569+/-0.003 χ^2/NDF: 21559268.3/86

- sign 25.152+/-0.004 χ^2/NDF: 11812992.5/43



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:45.7/24

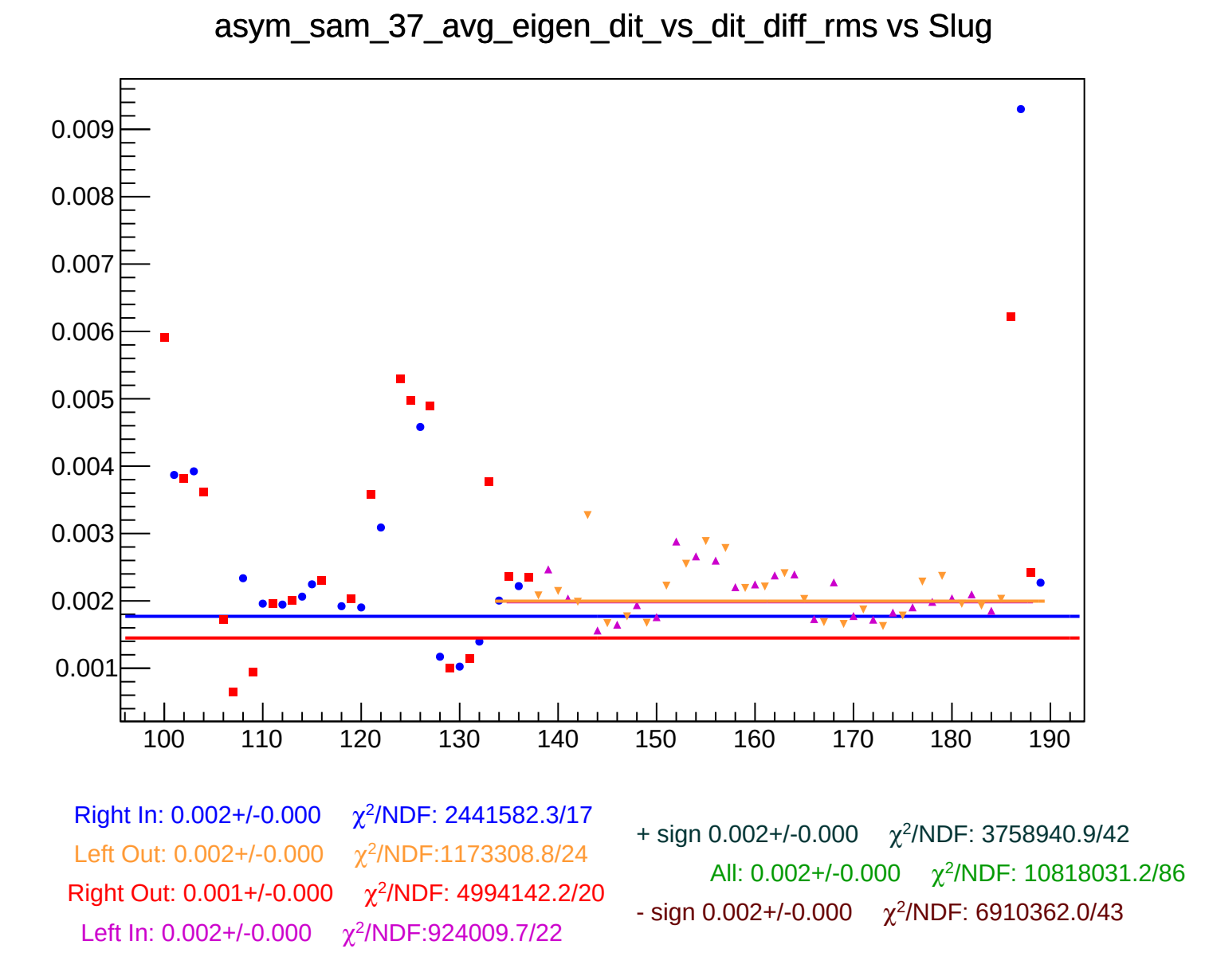
Right Out: 0.000+/-0.000 χ^2/NDF: 18.8/20

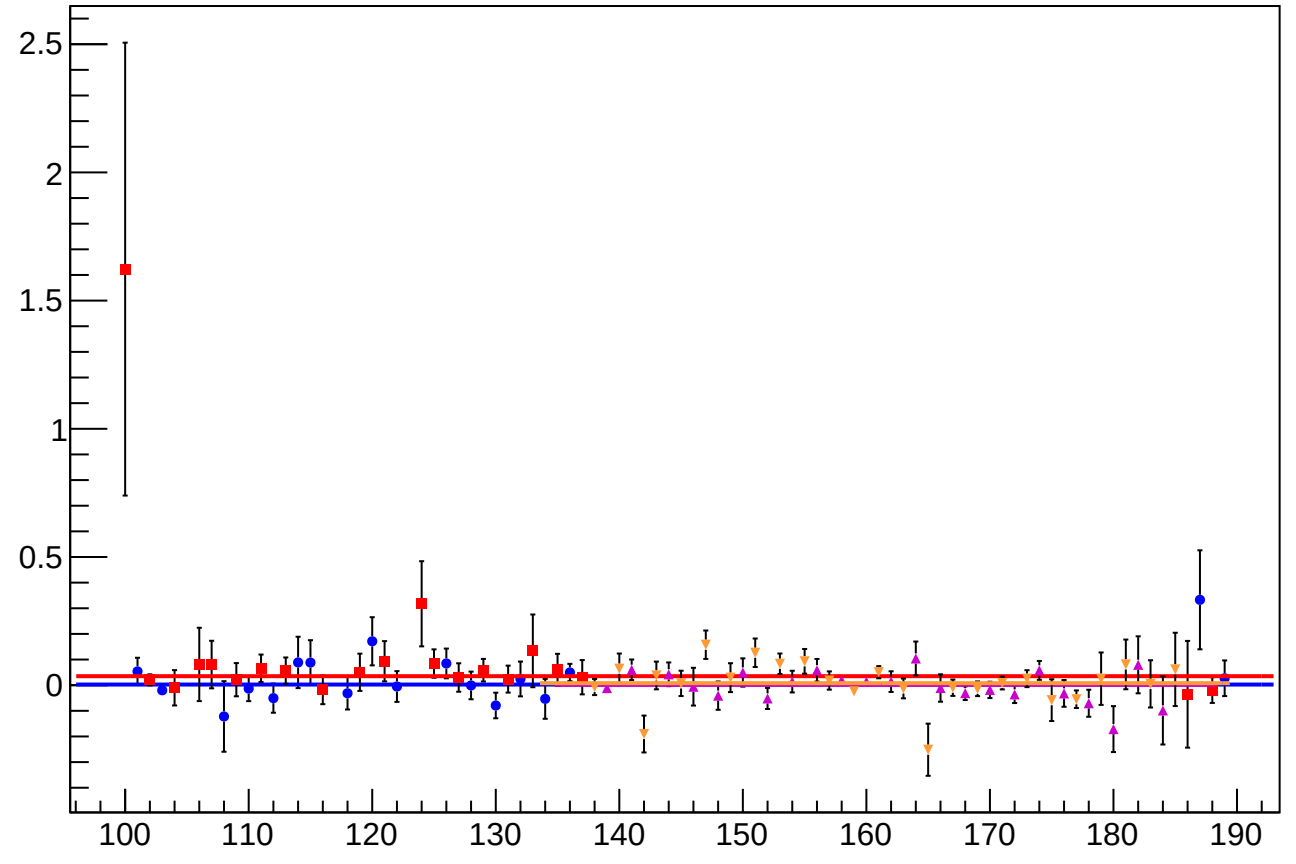
Left In: -0.000+/-0.000 χ^2/NDF:12.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.2/42

All: 0.000+/-0.000 χ^2/NDF: 100.8/86

- sign 0.000+/-0.000 χ^2/NDF: 33.2/43


asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
170
180
190
Right In: 0.002+/-0.000 χ²/NDF: 2441582.3/17
Left Out: 0.002+/-0.000 χ²/NDF:1173308.8/24
Right Out: 0.001+/-0.000 χ²/NDF: 4994142.2/20
Left In: 0.002+/-0.000 χ²/NDF:924009.7/22
+ sign 0.002+/-0.000 χ²/NDF: 3758940.9/42
All: 0.002+/-0.000 χ²/NDF: 10818031.2/86
- sign 0.002+/-0.000 χ²/NDF: 6910362.0/43



Right In: 0.002+/-0.012 χ^2/NDF: 19.6/17

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.035+/-0.012 χ^2/NDF: 12.4/20

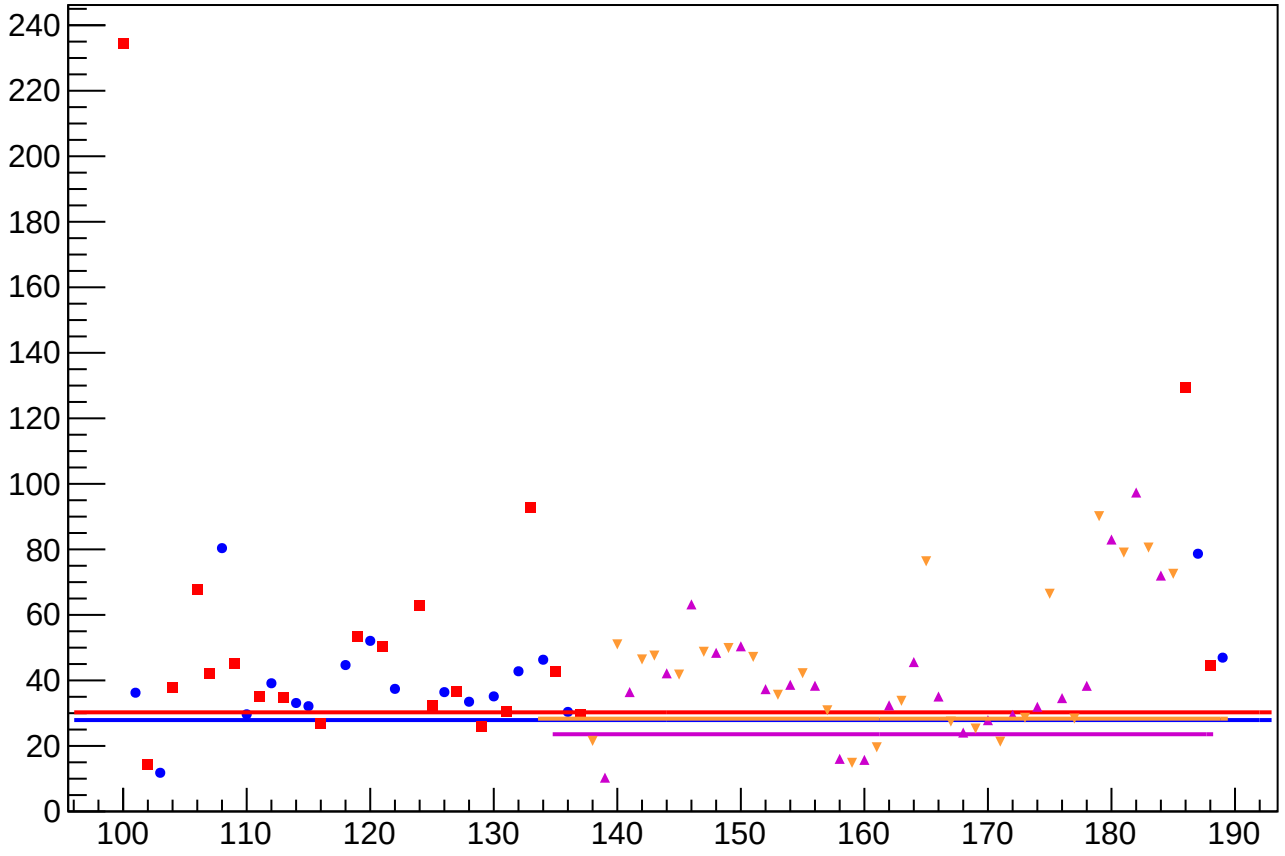
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 67.3/42

All: 0.008+/-0.004 χ^2/NDF: 110.8/86

- sign 0.009+/-0.006 χ^2/NDF: 43.4/43

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 27.896+/-0.008 χ^2/NDF: 2712356.2/17

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

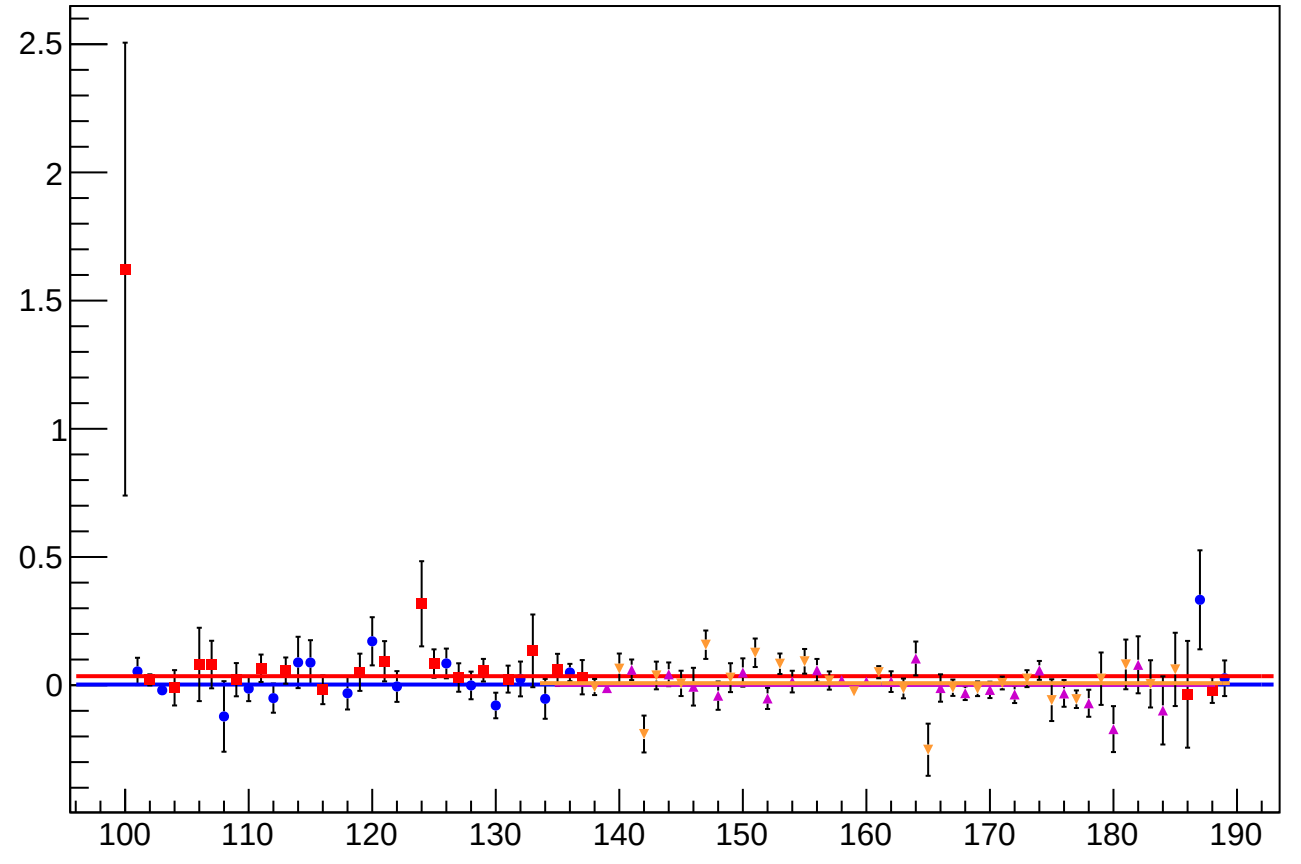
Right Out: 30.259+/-0.009 χ^2/NDF: 3092429.4/20

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

+ sign 28.200+/-0.005 χ^2/NDF: 9502984.6/42

All: 26.569+/-0.003 χ^2/NDF: 21560938.7/86

- sign 25.152+/-0.004 χ^2/NDF: 11813847.5/43



Right In: 0.002+/-0.012 χ^2/NDF: 19.6/17

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.035+/-0.012 χ^2/NDF: 12.4/20

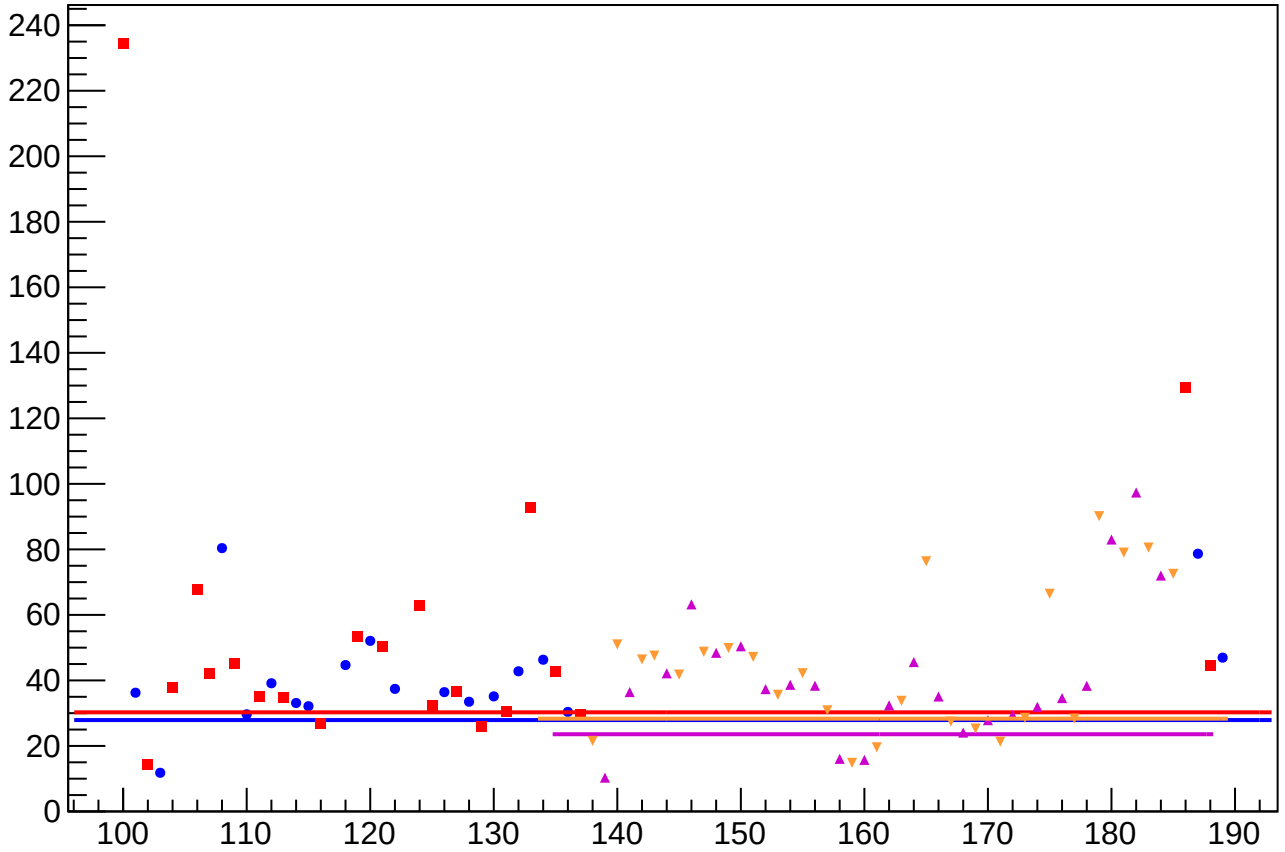
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 67.3/42

All: 0.008+/-0.004 χ^2/NDF: 110.8/86

- sign 0.009+/-0.006 χ^2/NDF: 43.4/43

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.896+/-0.008 χ^2/NDF: 2712356.2/17

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

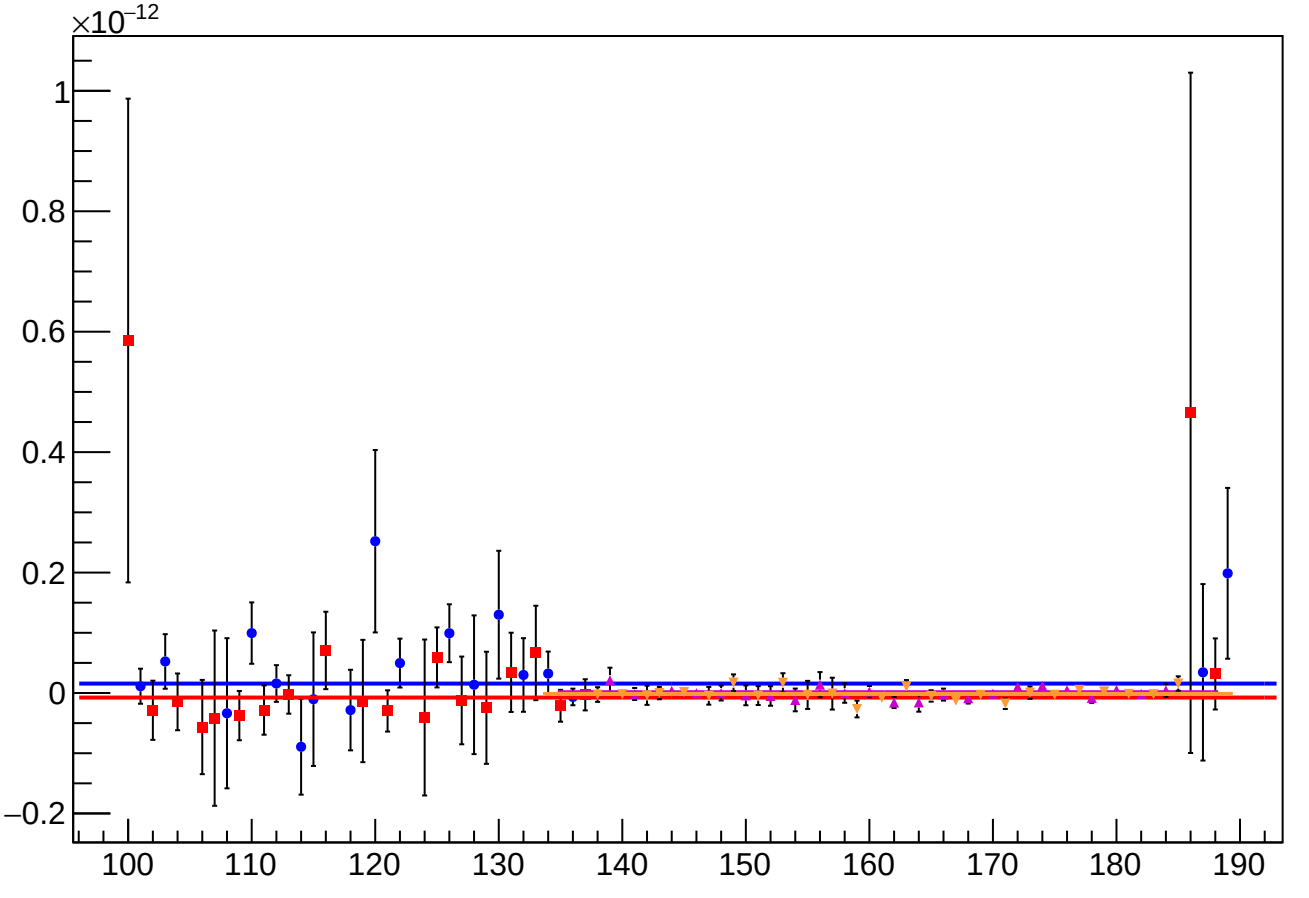
Right Out: 30.259+/-0.009 χ^2/NDF: 3092429.4/20

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

+ sign 28.200+/-0.005 χ^2/NDF: 9502984.6/42

All: 26.569+/-0.003 χ^2/NDF: 21560938.7/86

- sign 25.152+/-0.004 χ^2/NDF: 11813847.5/43



Right In: 0.000+/-0.000 χ^2/NDF: 17.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:17.6/24

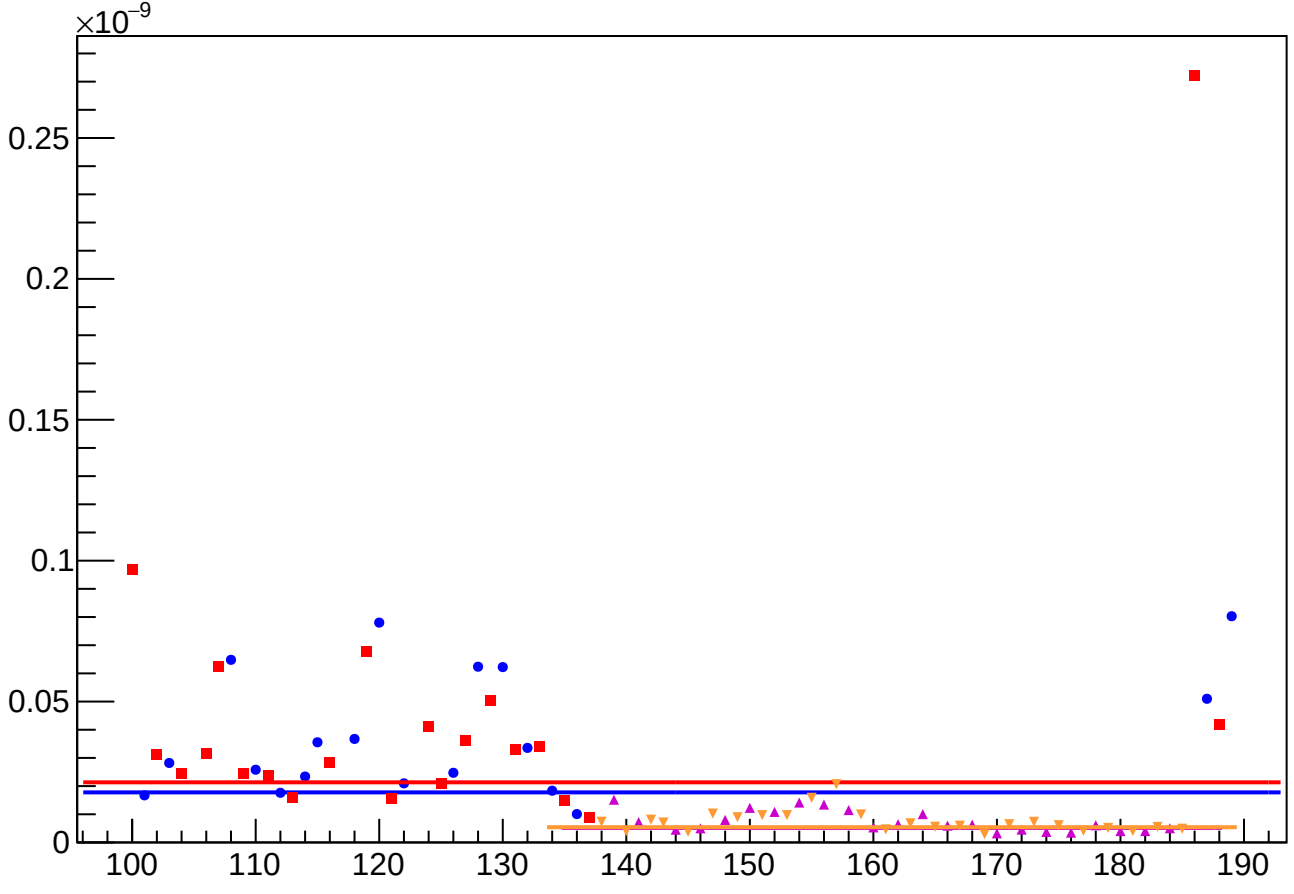
Right Out: -0.000+/-0.000 χ^2/NDF: 10.2/20

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 38.4/42

All: 0.000+/-0.000 χ^2/NDF: 65.8/86

- sign 0.000+/-0.000 χ^2/NDF: 26.8/43



Right In: 0.000+/-0.000 χ^2/NDF: 2937196.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:3068356.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2570456.5/20

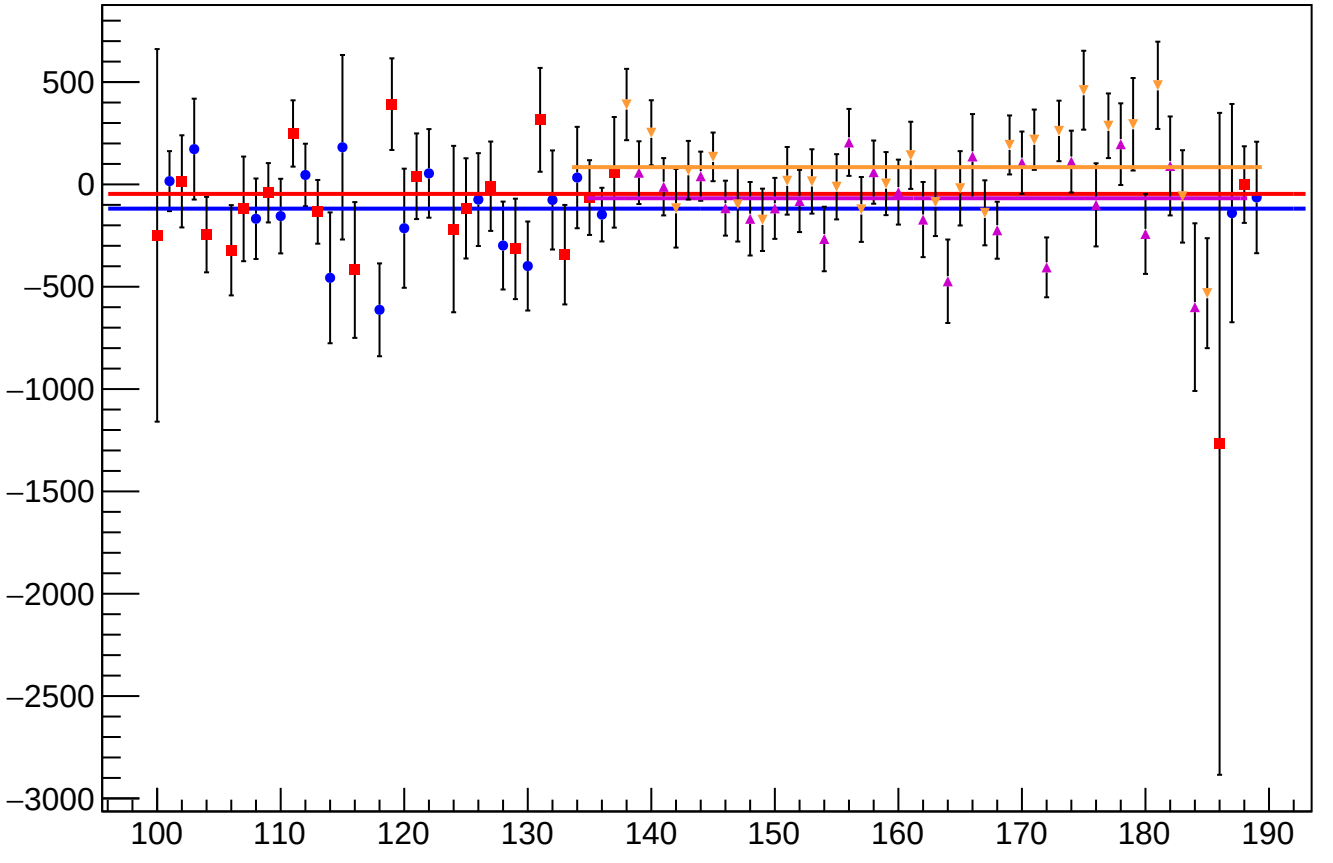
Left In: 0.000+/-0.000 χ^2/NDF:3390855.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 9337982.8/42

All: 0.000+/-0.000 χ^2/NDF: 19815448.0/86

- sign 0.000+/-0.000 χ^2/NDF: 10457344.9/43

reg_asym_sam_48_avg_mean vs Slug



Right In: -118.438+/-50.006 χ^2/NDF: 13.5/17

Left Out: 84.324+/-33.036 χ^2/NDF:33.8/24

Right Out: -46.377+/-48.203 χ^2/NDF: 17.6/20

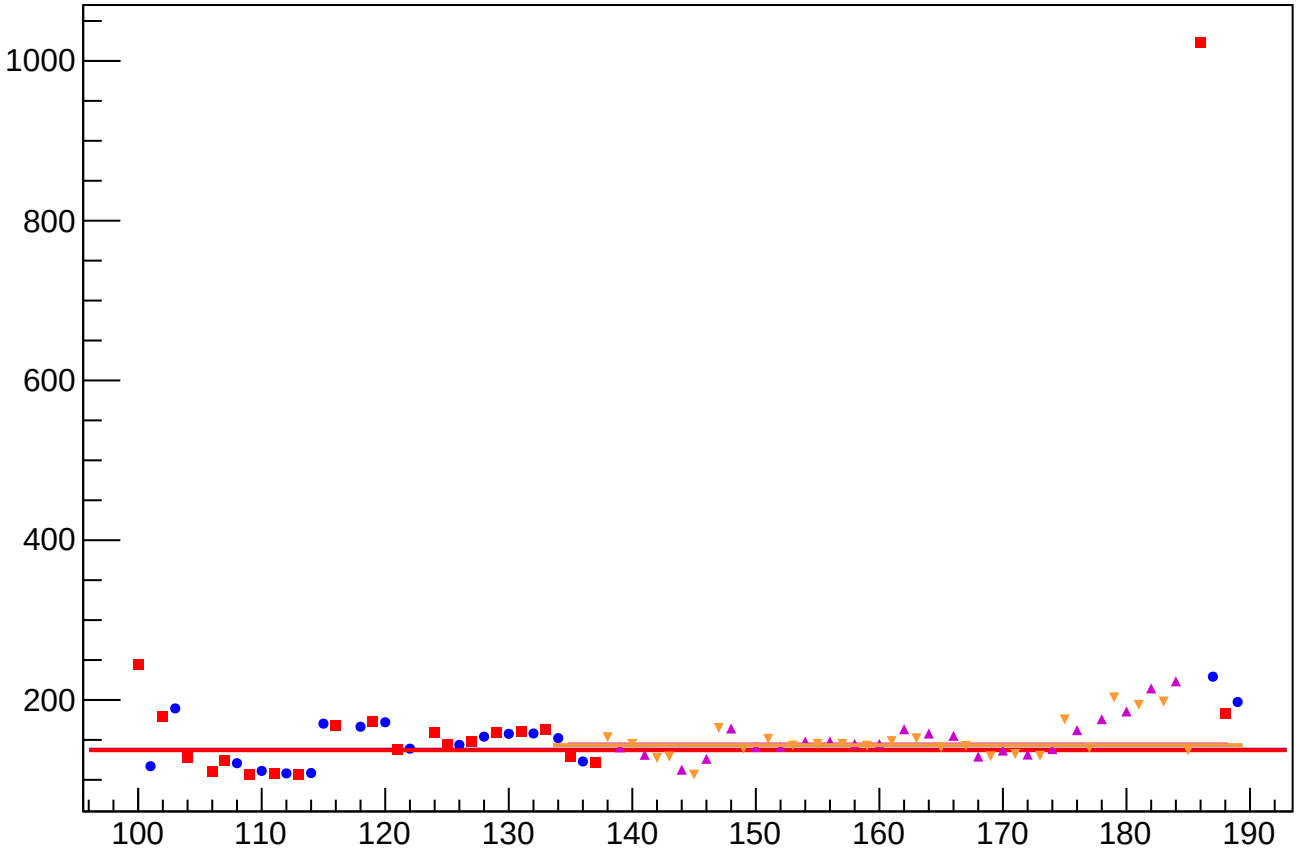
Left In: -67.646+/-34.137 χ^2/NDF:26.5/22

+ sign 22.718+/-27.564 χ^2/NDF: 58.7/42

All: -18.469+/-19.594 χ^2/NDF: 107.5/86

- sign -60.542+/-27.858 χ^2/NDF: 44.3/43

reg_asym_sam_48_avg_rms vs Slug



Right In: 137.712+/-0.035 χ^2/NDF: 578306.6/17

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

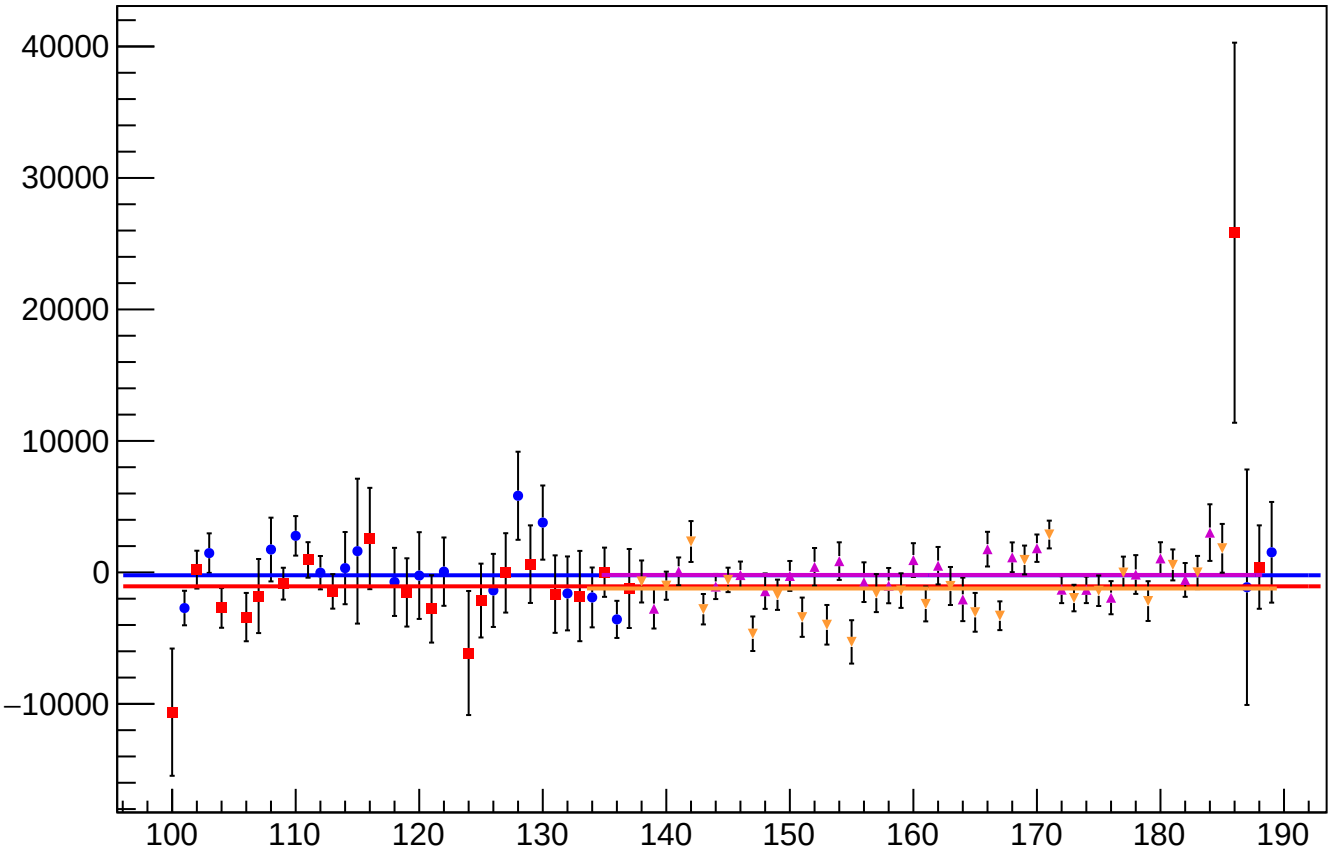
Right Out: 137.124+/-0.034 χ^2/NDF: 1229492.1/20

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 141.702+/-0.019 χ^2/NDF: 1343636.6/42

All: 141.759+/-0.014 χ^2/NDF: 3304321.7/86

- sign 141.817+/-0.020 χ^2/NDF: 1960668.0/43



Right In: -219.227+/-496.405 χ^2/NDF: 21.8/17

Left Out: -1225.049+/-251.767 χ^2/NDF:59.3/24

Right Out: -1059.247+/-463.138 χ^2/NDF: 17.1/20

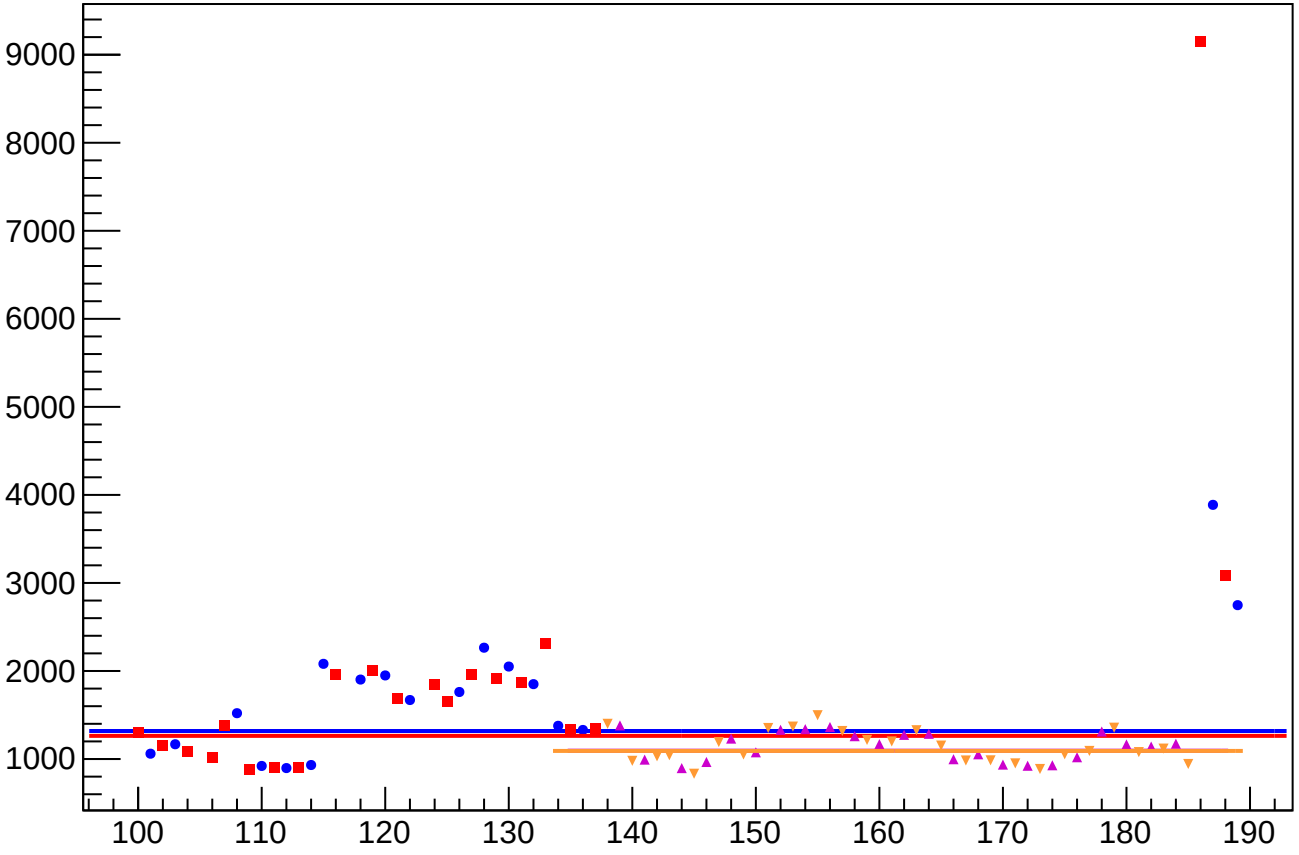
Left In: -193.805+/-258.922 χ^2/NDF:23.3/22

+ sign -1019.255+/-224.539 χ^2/NDF: 84.4/42

All: -711.581+/-159.287 χ^2/NDF: 131.2/86

- sign -399.887+/-226.001 χ^2/NDF: 43.0/43

asym_sam_48_avg_reg_correction_rms vs Slug



Right In: 1318.233+/-0.351 χ^2/NDF: 1622190.1/17

Left Out: 1091.980+/-0.178 χ^2/NDF:892442.4/24

Right Out: 1263.153+/-0.327 χ^2/NDF: 2659444.3/20

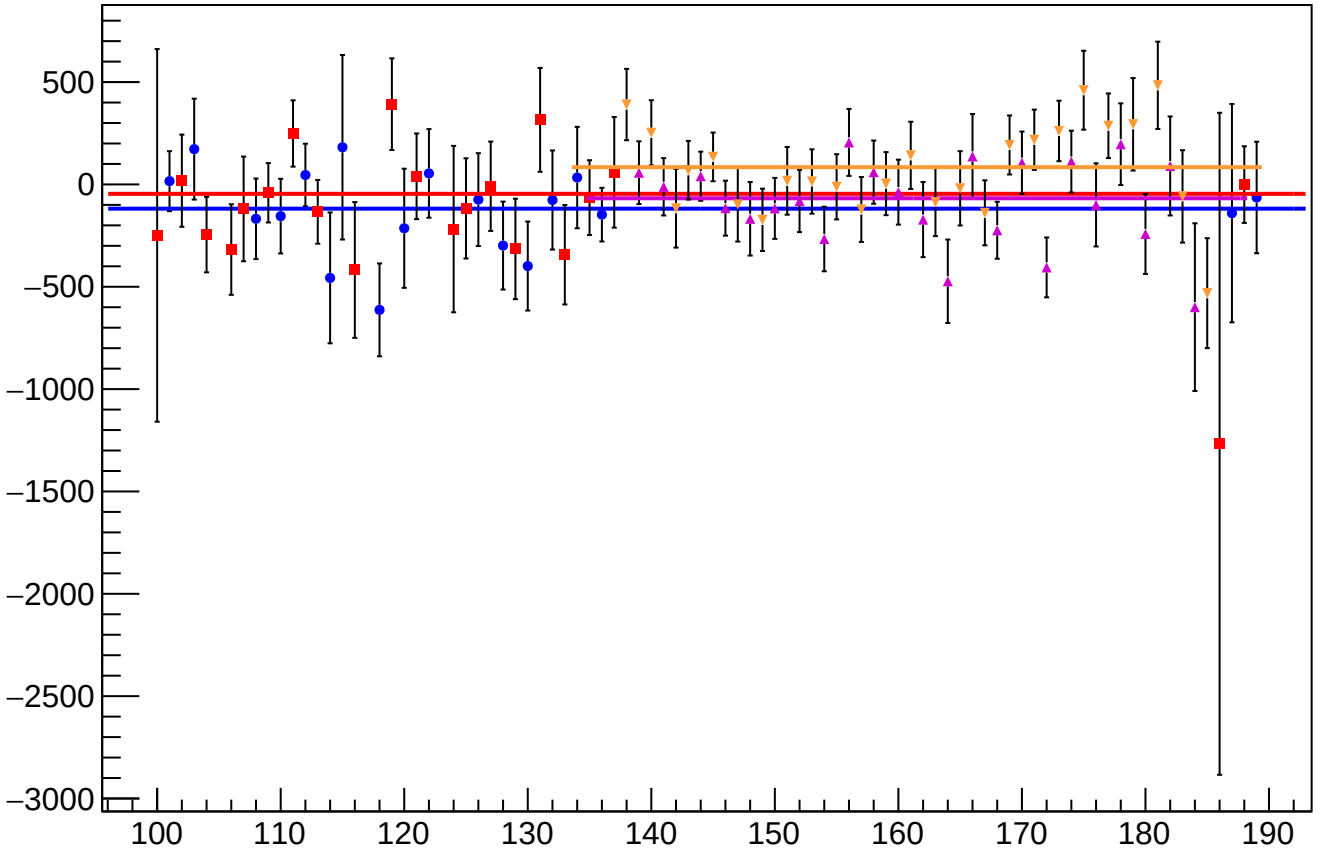
Left In: 1094.478+/-0.183 χ^2/NDF:732975.2/22

+ sign 1138.271+/-0.159 χ^2/NDF: 2845101.9/42

All: 1136.469+/-0.113 χ^2/NDF: 6439893.7/86

- sign 1134.644+/-0.160 χ^2/NDF: 3594532.4/43

cor_asym_sam_48_avg_mean vs Slug



Right In: -118.447+/-50.006 χ^2/NDF: 13.5/17

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: -45.968+/-48.211 χ^2/NDF: 17.6/20

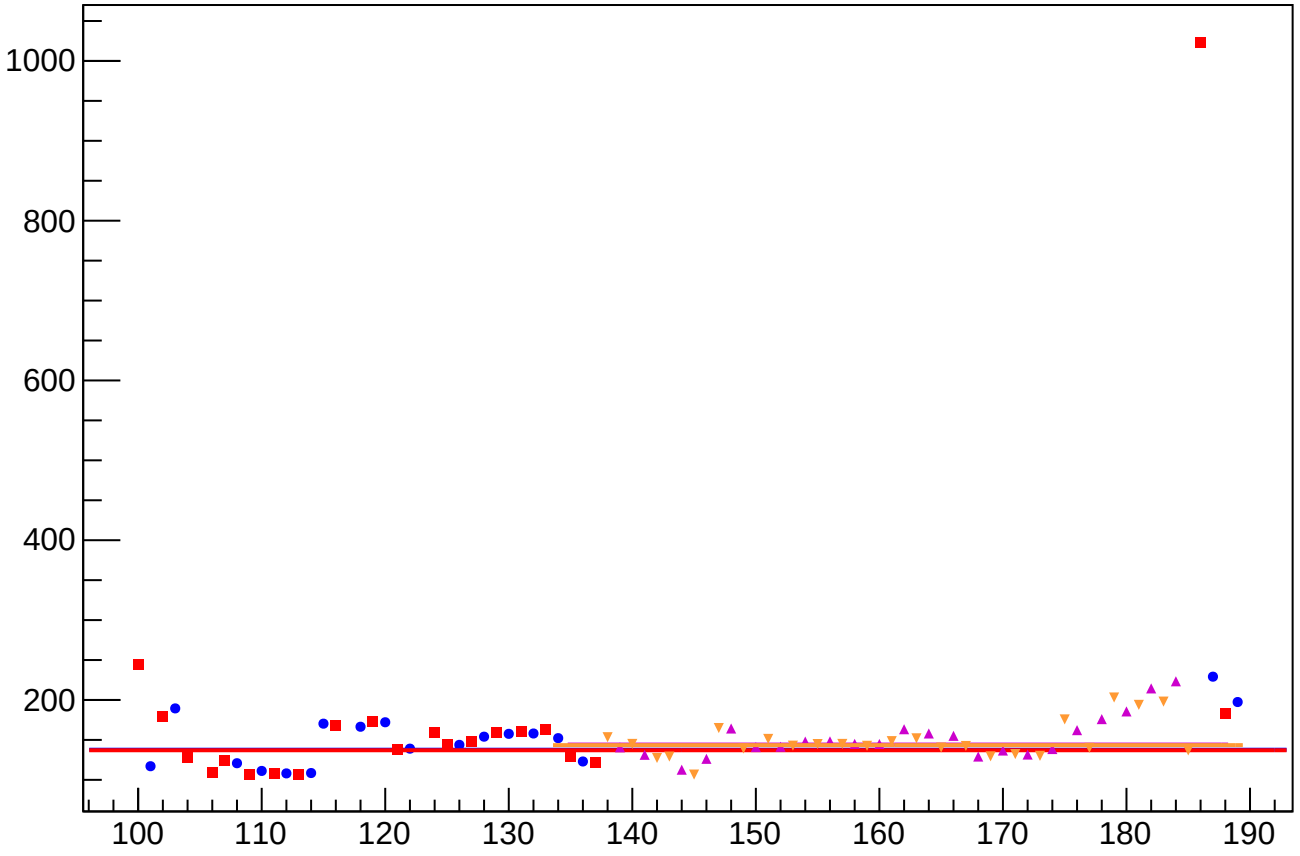
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 22.725+/-27.564 χ^2/NDF: 58.7/42

All: -18.397+/-19.594 χ^2/NDF: 107.5/86

- sign -60.408+/-27.860 χ^2/NDF: 44.2/43

cor_asym_sam_48_avg_rms vs Slug



Right In: 137.712+/-0.035 χ^2/NDF: 578309.5/17

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

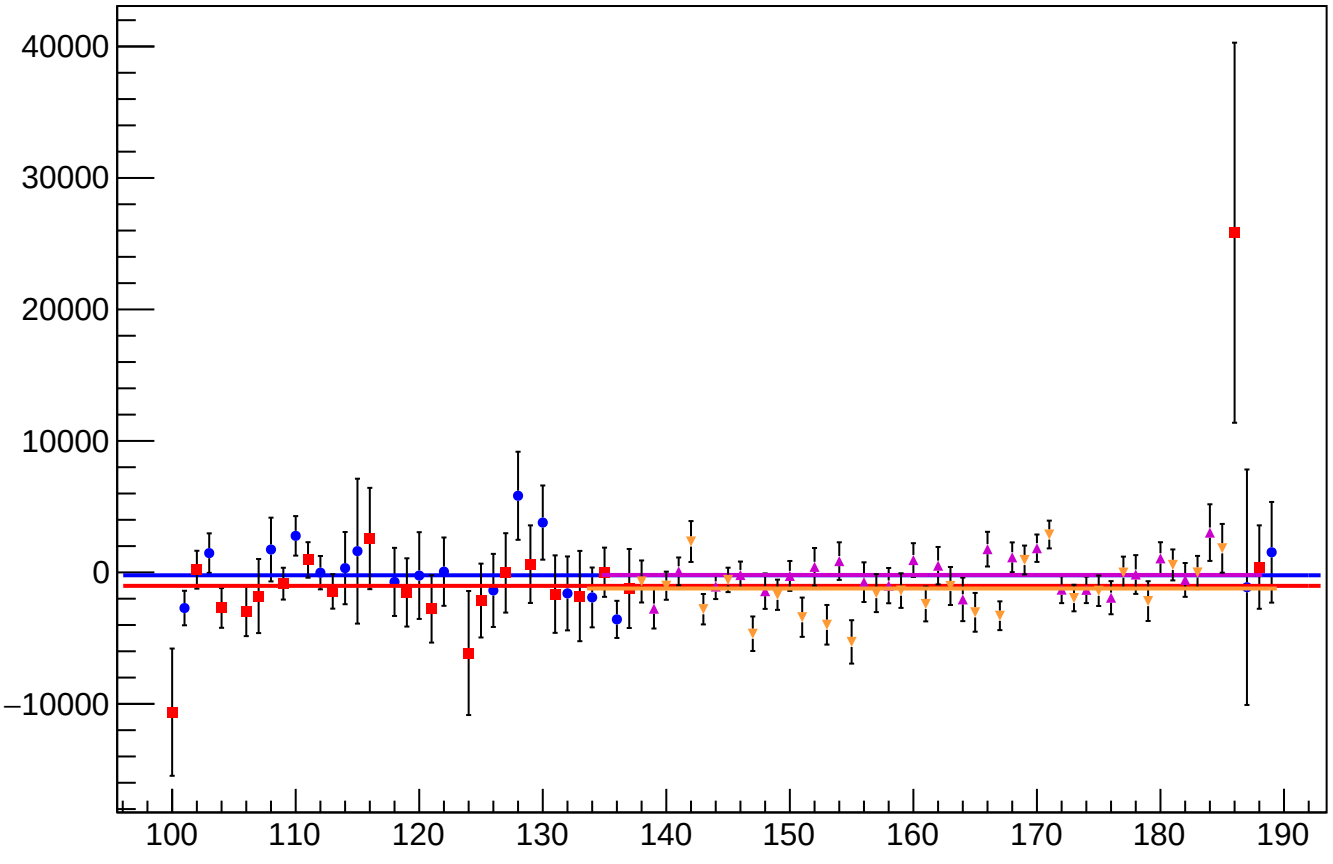
Right Out: 137.058+/-0.034 χ^2/NDF: 1233098.1/20

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 141.702+/-0.019 χ^2/NDF: 1343639.4/42

All: 141.748+/-0.014 χ^2/NDF: 3308454.8/86

- sign 141.795+/-0.020 χ^2/NDF: 1964804.1/43



Right In: -219.294+/-496.409 χ^2/NDF: 21.8/17

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: -1024.480+/-464.031 χ^2/NDF: 16.5/20

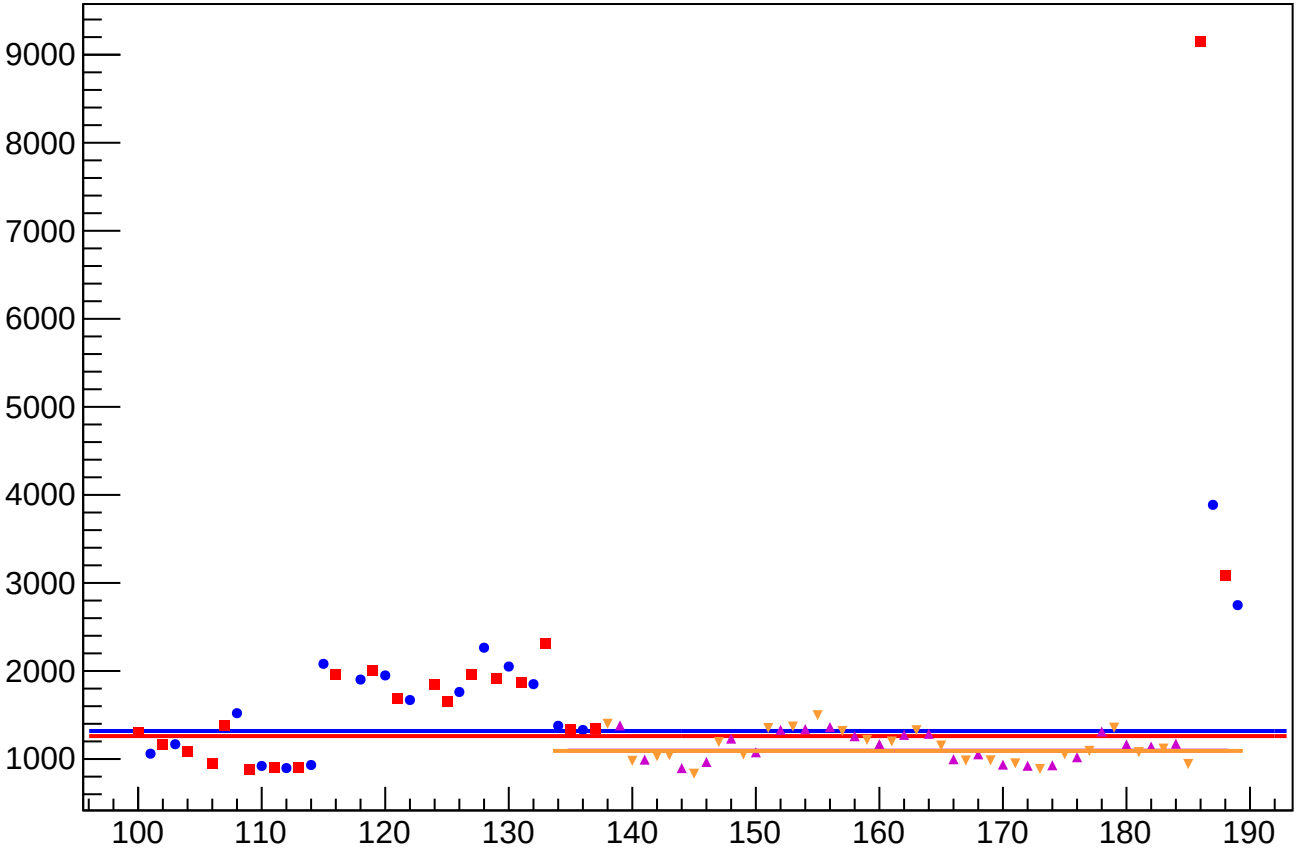
Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

+ sign -1019.258+/-224.539 χ^2/NDF: 84.4/42

All: -707.327+/-159.324 χ^2/NDF: 130.4/86

- sign -391.030+/-226.105 χ^2/NDF: 42.2/43

asym_sam_48_avg_cor_correction_rms vs Slug



Right In: 1318.247+/-0.351 χ^2/NDF: 1622158.1/17

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1260.443+/-0.328 χ^2/NDF: 2676295.2/20

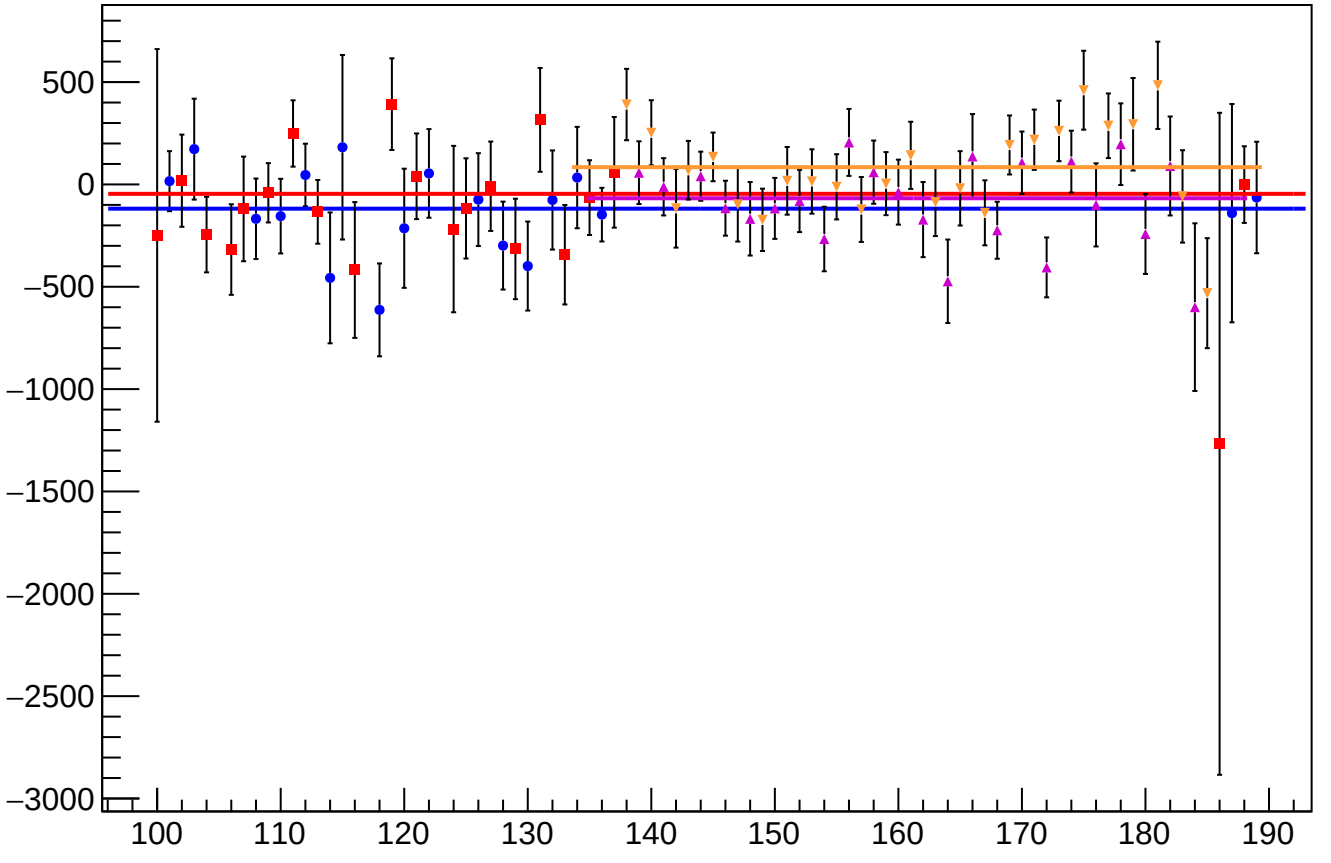
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1138.274+/-0.159 χ^2/NDF: 2845105.5/42

All: 1136.093+/-0.113 χ^2/NDF: 6449852.2/86

- sign 1133.883+/-0.160 χ^2/NDF: 3604367.0/43

eigen_cor_asym_sam_48_avg_mean vs Slug



Right In: -118.447+/-50.006 χ^2/NDF: 13.5/17

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: -45.968+/-48.211 χ^2/NDF: 17.6/20

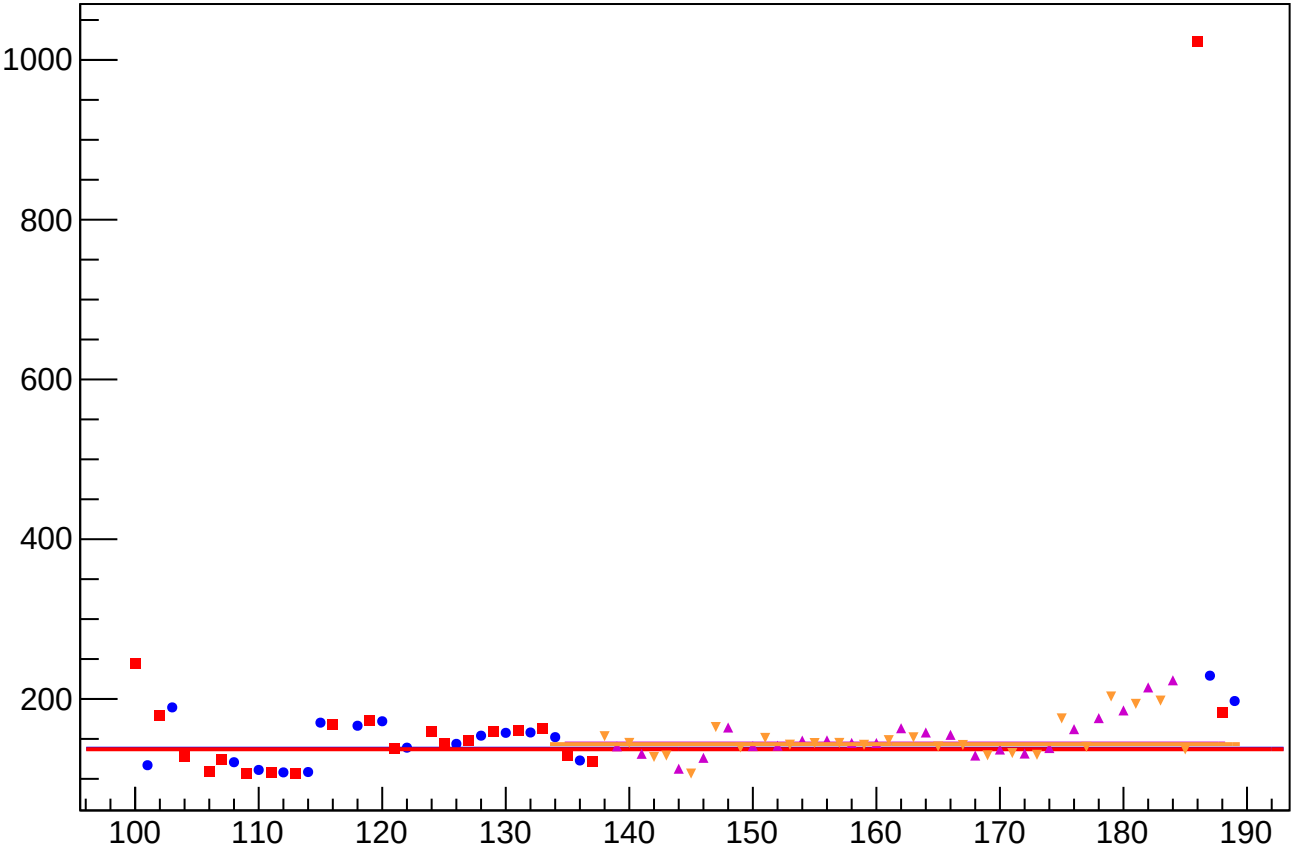
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 22.725+/-27.564 χ^2/NDF: 58.7/42

All: -18.397+/-19.594 χ^2/NDF: 107.5/86

- sign -60.408+/-27.860 χ^2/NDF: 44.2/43

eigen_cor_asym_sam_48_avg_rms vs Slug



Right In: 137.712+/-0.035 χ^2/NDF: 578309.5/17

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

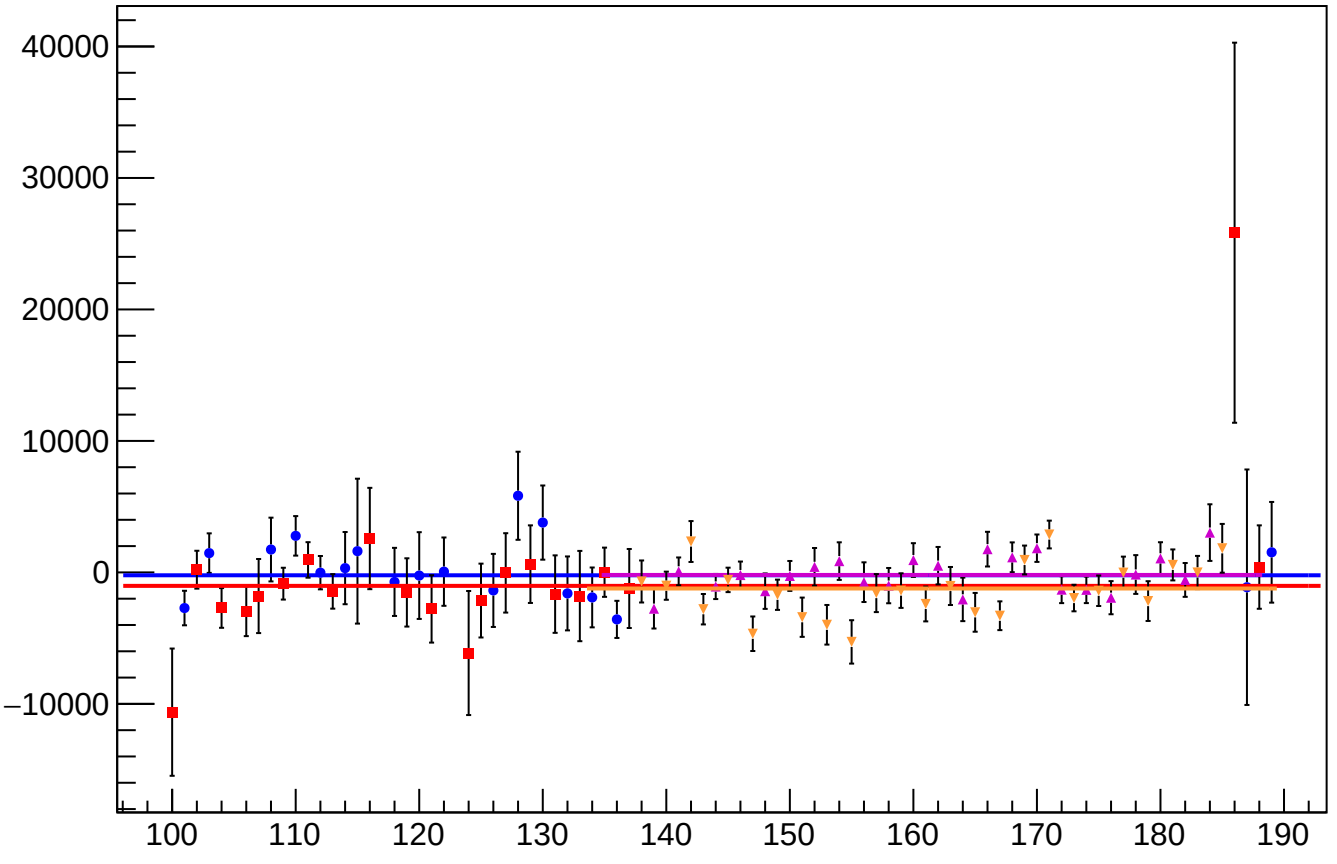
Right Out: 137.058+/-0.034 χ^2/NDF: 1233098.1/20

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 141.702+/-0.019 χ^2/NDF: 1343639.4/42

All: 141.748+/-0.014 χ^2/NDF: 3308454.8/86

- sign 141.795+/-0.020 χ^2/NDF: 1964804.1/43



Right In: -219.294+/-496.409 χ^2/NDF: 21.8/17

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: -1024.480+/-464.031 χ^2/NDF: 16.5/20

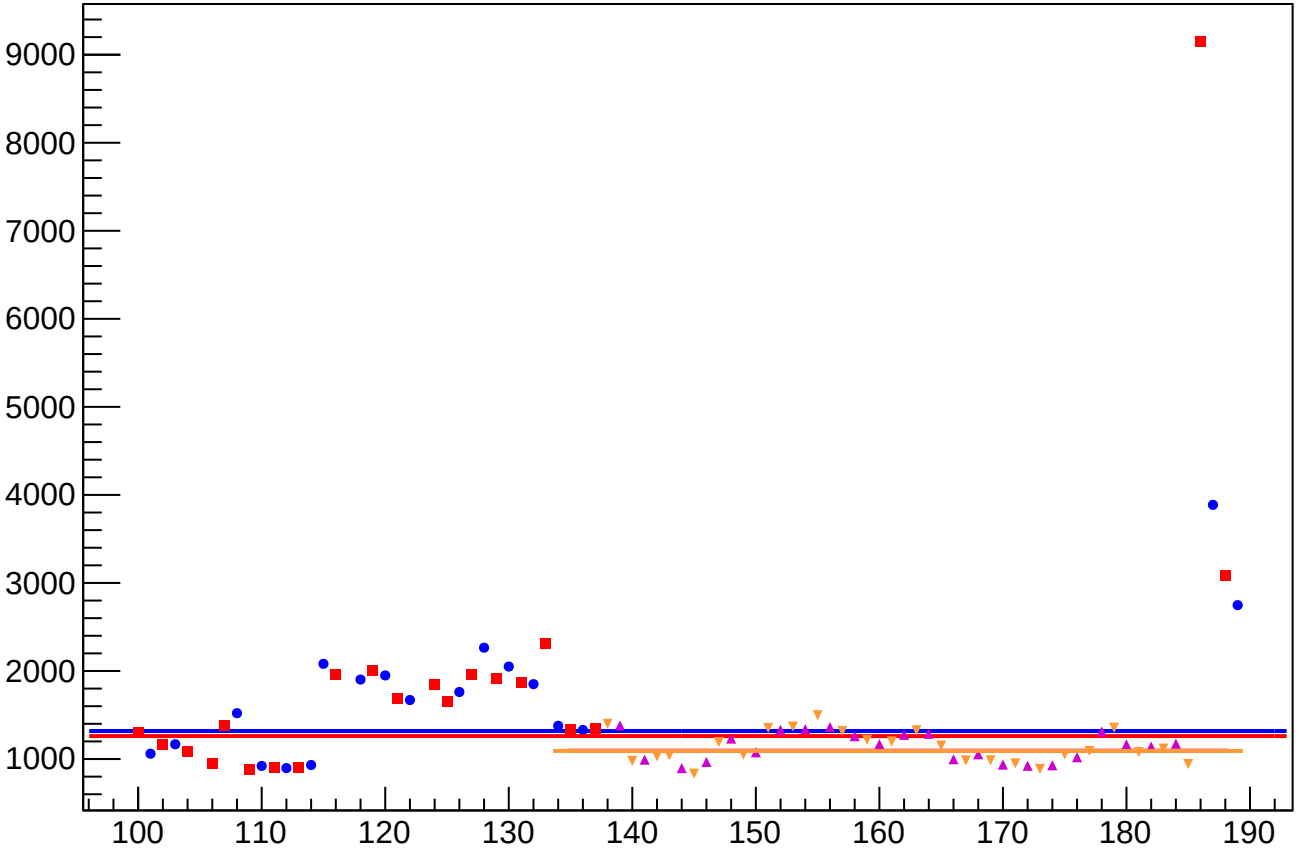
Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

+ sign -1019.258+/-224.539 χ^2/NDF: 84.4/42

All: -707.327+/-159.324 χ^2/NDF: 130.4/86

- sign -391.030+/-226.105 χ^2/NDF: 42.2/43

asym_sam_48_avg_eigen_cor_correction_rms vs Slug



Right In: 1318.247+/-0.351 χ^2/NDF: 1622158.1/17

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1260.443+/-0.328 χ^2/NDF: 2676295.2/20

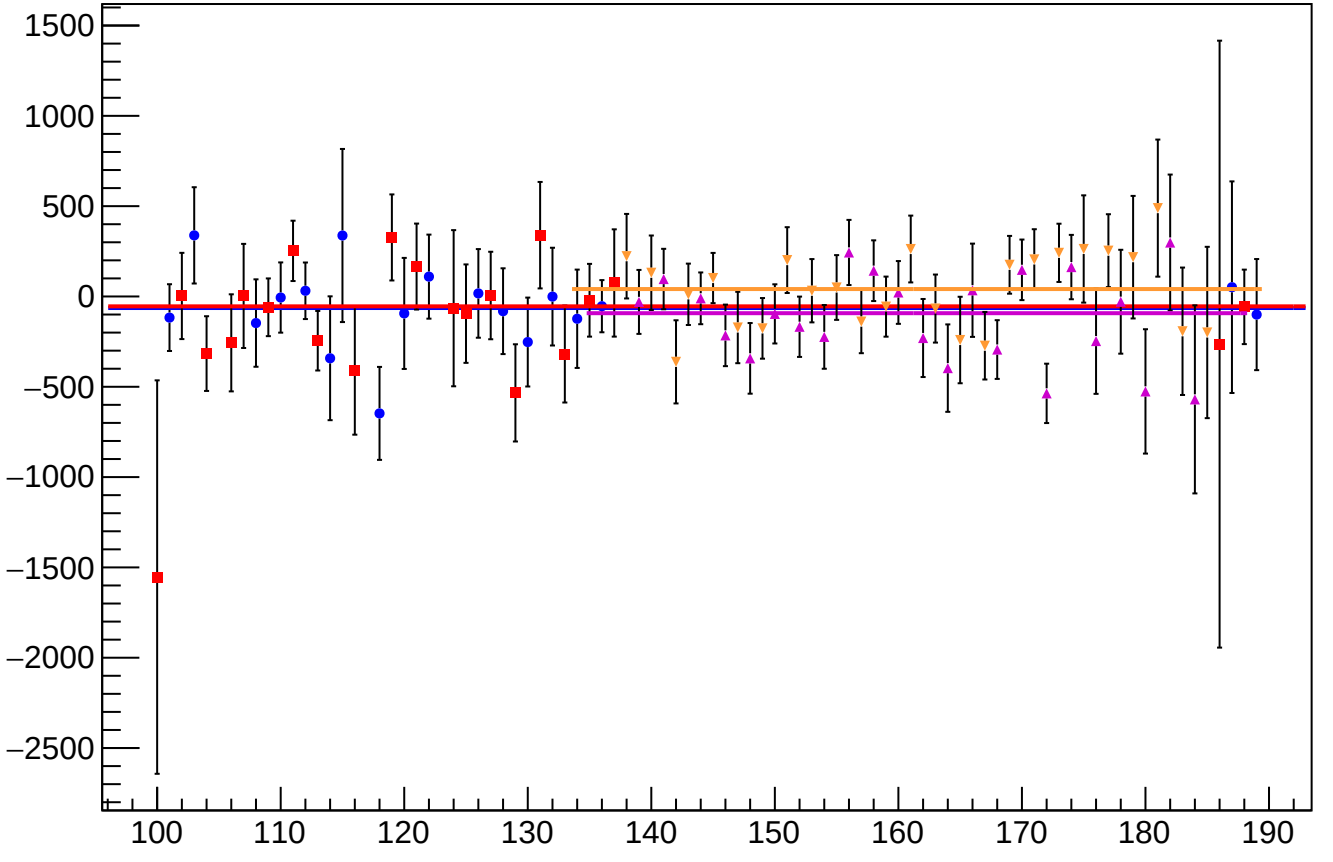
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1138.274+/-0.159 χ^2/NDF: 2845105.5/42

All: 1136.093+/-0.113 χ^2/NDF: 6449852.2/86

- sign 1133.883+/-0.160 χ^2/NDF: 3604367.0/43

dit_asym_sam_48_avg_mean vs Slug



Right In: -63.937+/-55.541 χ^2/NDF: 10.9/17

Left Out: 41.086+/-39.177 χ^2/NDF:22.3/24

Right Out: -54.728+/-52.883 χ^2/NDF: 19.5/20

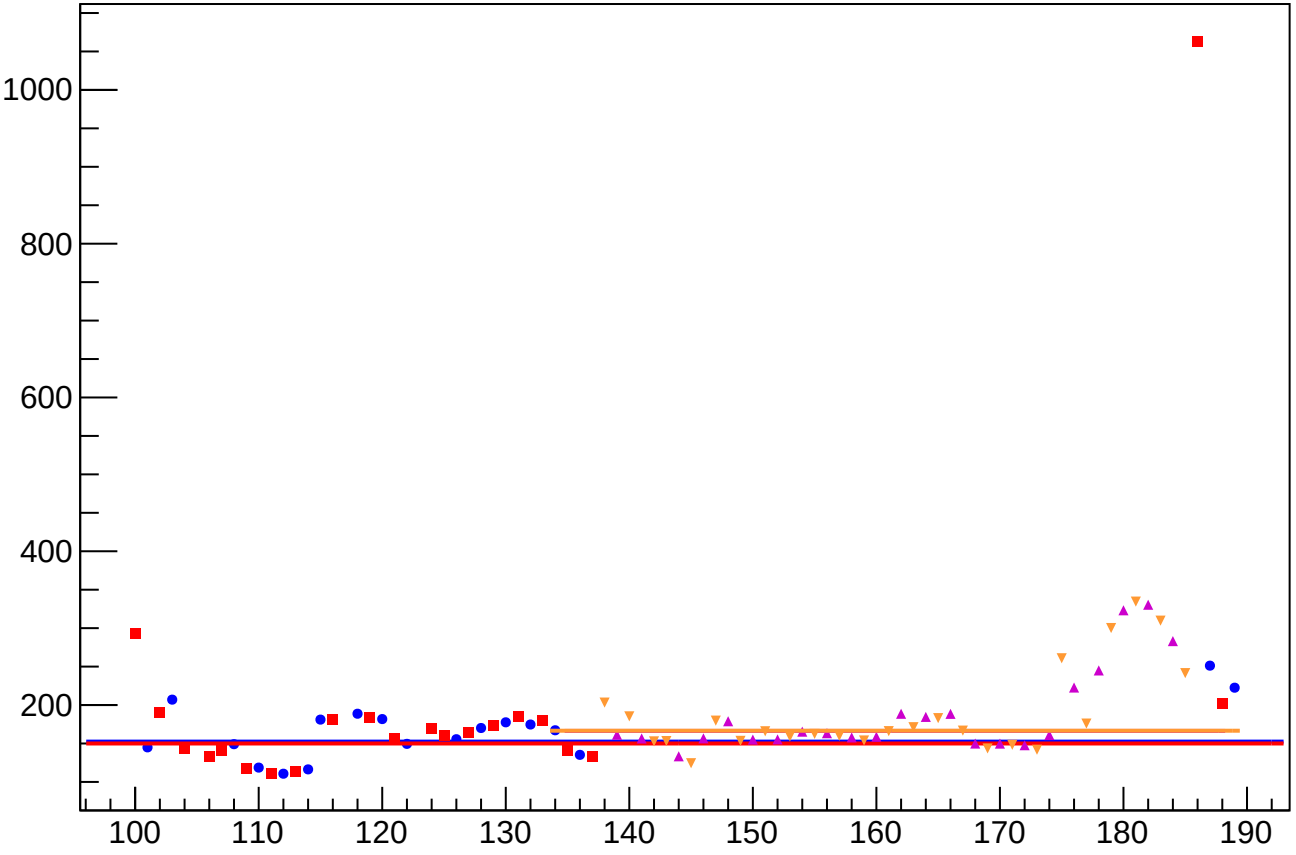
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign 6.193+/-32.014 χ^2/NDF: 35.6/42

All: -36.300+/-22.627 χ^2/NDF: 88.4/86

- sign -78.718+/-31.986 χ^2/NDF: 49.3/43

dit_asym_sam_48_avg_rms vs Slug



Right In: 152.443+/-0.039 χ^2/NDF: 618642.9/17

Left Out: 166.599+/-0.028 χ^2/NDF:1719835.6/24

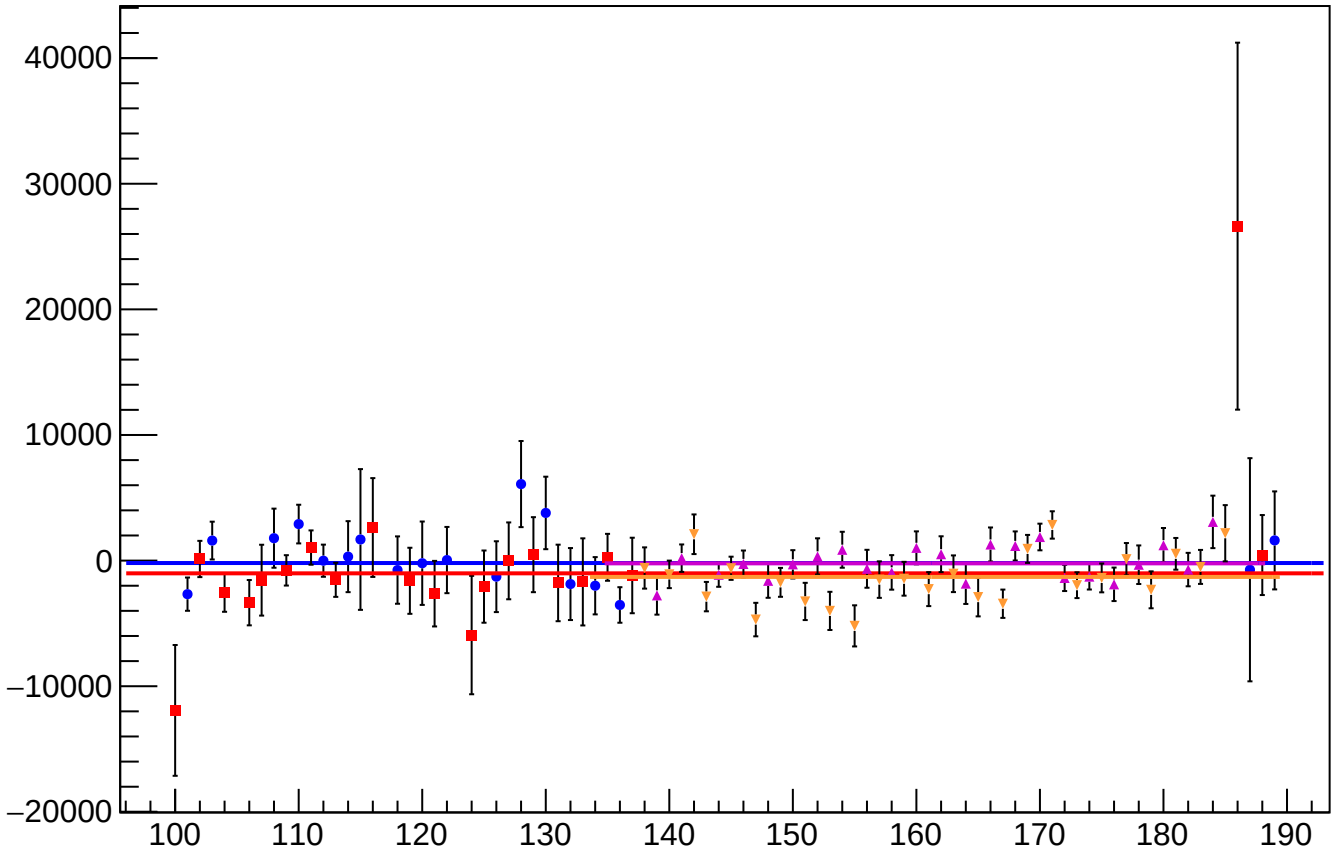
Right Out: 149.998+/-0.037 χ^2/NDF: 1255047.1/20

Left In: 166.308+/-0.028 χ^2/NDF:1392466.3/22

+ sign 161.895+/-0.023 χ^2/NDF: 2425232.9/42

All: 161.118+/-0.016 χ^2/NDF: 5195757.4/86

- sign 160.341+/-0.023 χ^2/NDF: 2768165.8/43



Right In: -192.644+/-501.193 χ^2/NDF: 22.1/17

Left Out: -1298.333+/-256.961 χ^2/NDF:55.1/24

Right Out: -1013.370+/-467.449 χ^2/NDF: 17.4/20

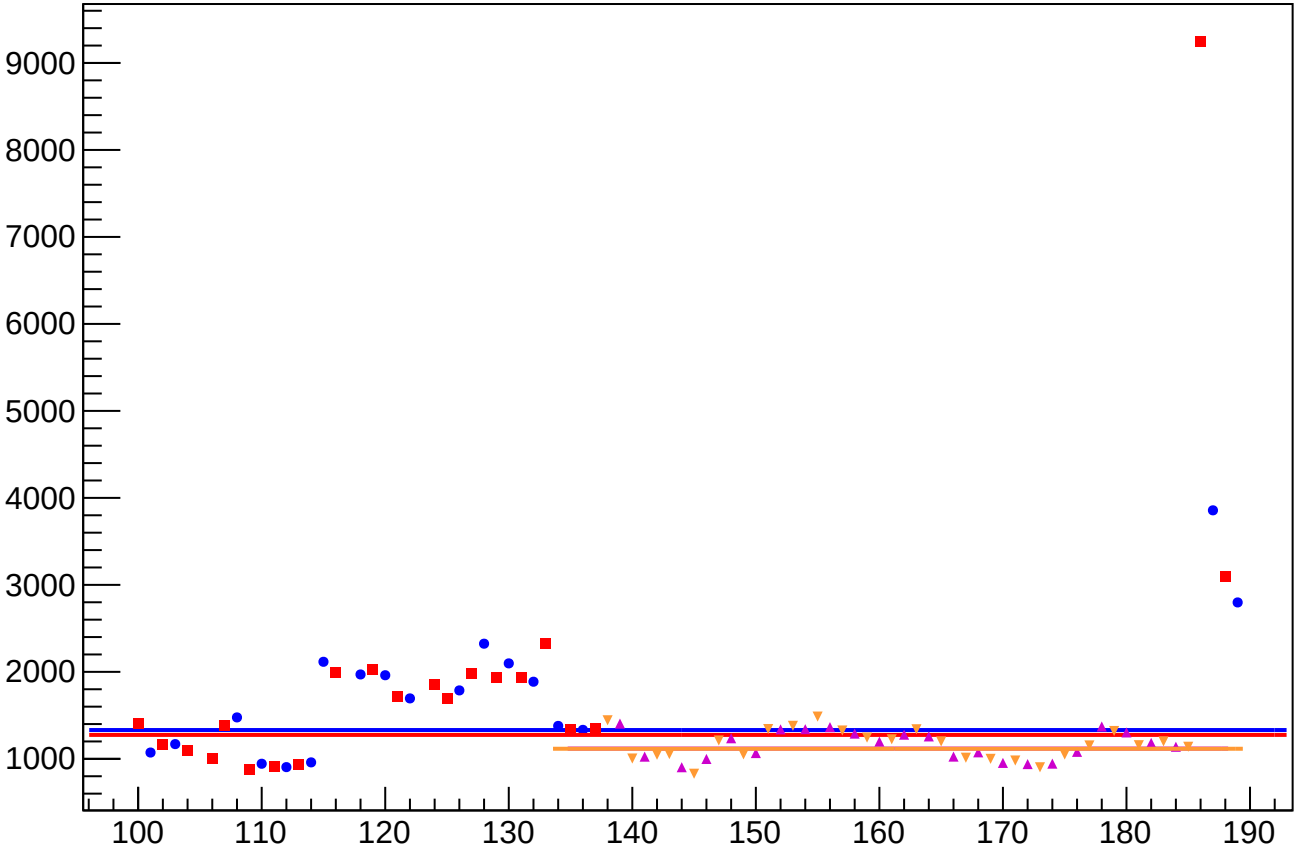
Left In: -217.285+/-264.388 χ^2/NDF:22.2/22

+ sign -1068.187+/-228.660 χ^2/NDF: 81.0/42

All: -741.315+/-162.204 χ^2/NDF: 127.0/86

- sign -410.230+/-230.129 χ^2/NDF: 41.9/43

asym_sam_48_avg_dit_correction_rms vs Slug



Right In: 1331.195+/-0.354 χ^2/NDF: 1635092.5/17

Left Out: 1116.034+/-0.182 χ^2/NDF:867489.3/24

Right Out: 1275.199+/-0.331 χ^2/NDF: 2674159.0/20

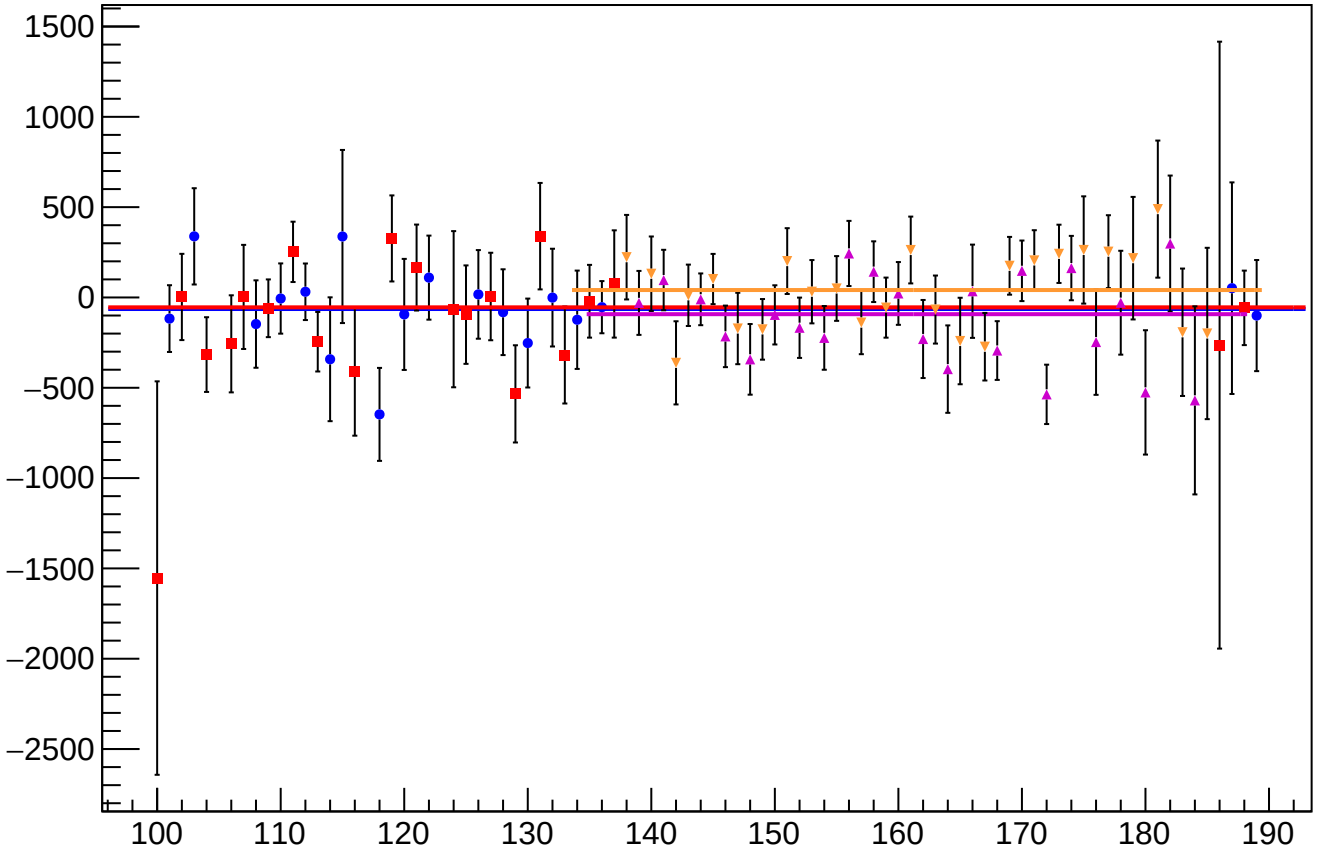
Left In: 1117.831+/-0.187 χ^2/NDF:729387.1/22

+ sign 1160.819+/-0.162 χ^2/NDF: 2794454.5/42

All: 1158.411+/-0.115 χ^2/NDF: 6370178.7/86

- sign 1155.972+/-0.163 χ^2/NDF: 3575277.7/43

eigen_dit_asym_sam_48_avg_mean vs Slug



Right In: -63.934+/-55.541 χ^2/NDF: 10.9/17

Left Out: 41.088+/-39.177 χ^2/NDF:22.3/24

Right Out: -54.728+/-52.883 χ^2/NDF: 19.5/20

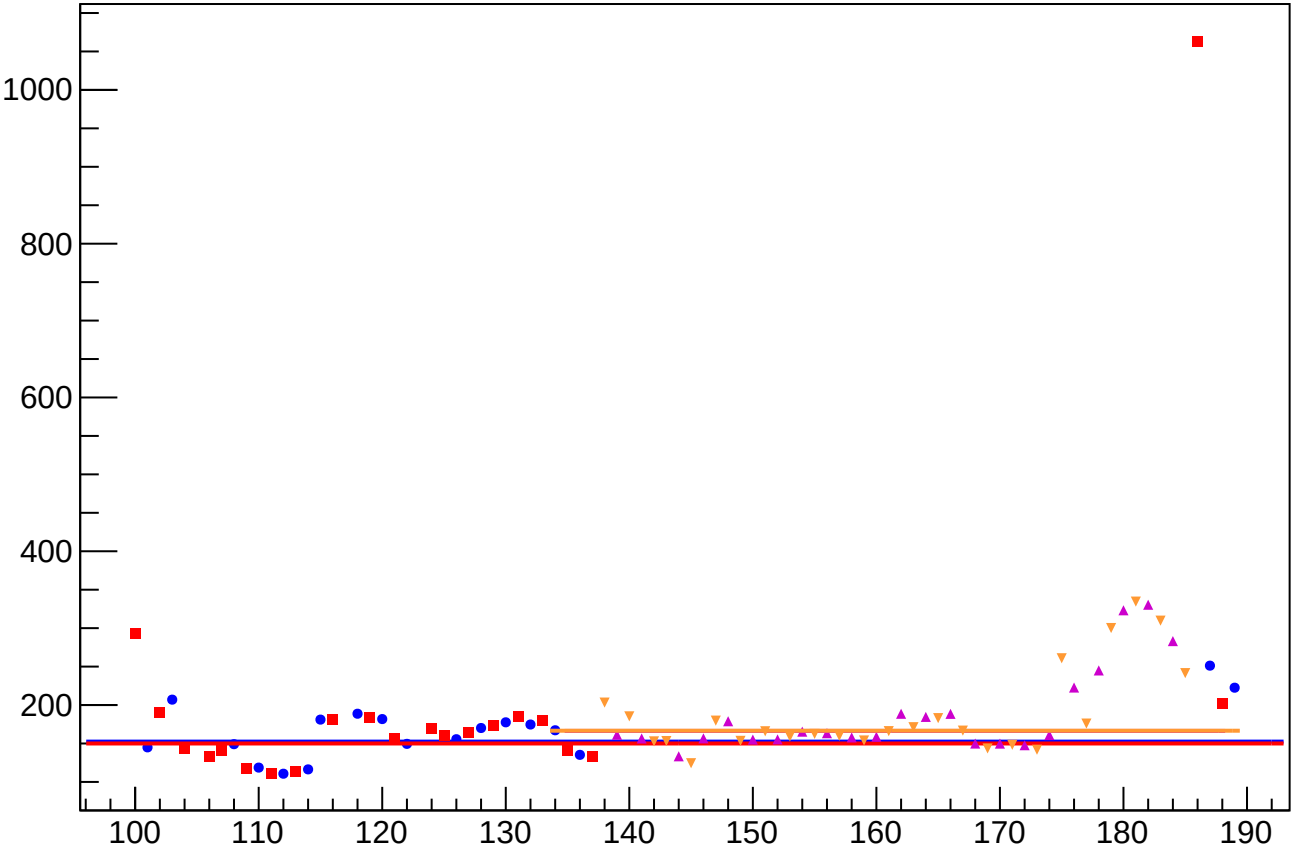
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign 6.195+/-32.014 χ^2/NDF: 35.6/42

All: -36.299+/-22.627 χ^2/NDF: 88.4/86

- sign -78.718+/-31.986 χ^2/NDF: 49.3/43

eigen_dit_asym_sam_48_avg_rms vs Slug



Right In: 152.443+/-0.039 χ^2/NDF: 618642.1/17

Left Out: 166.599+/-0.028 χ^2/NDF:1719829.4/24

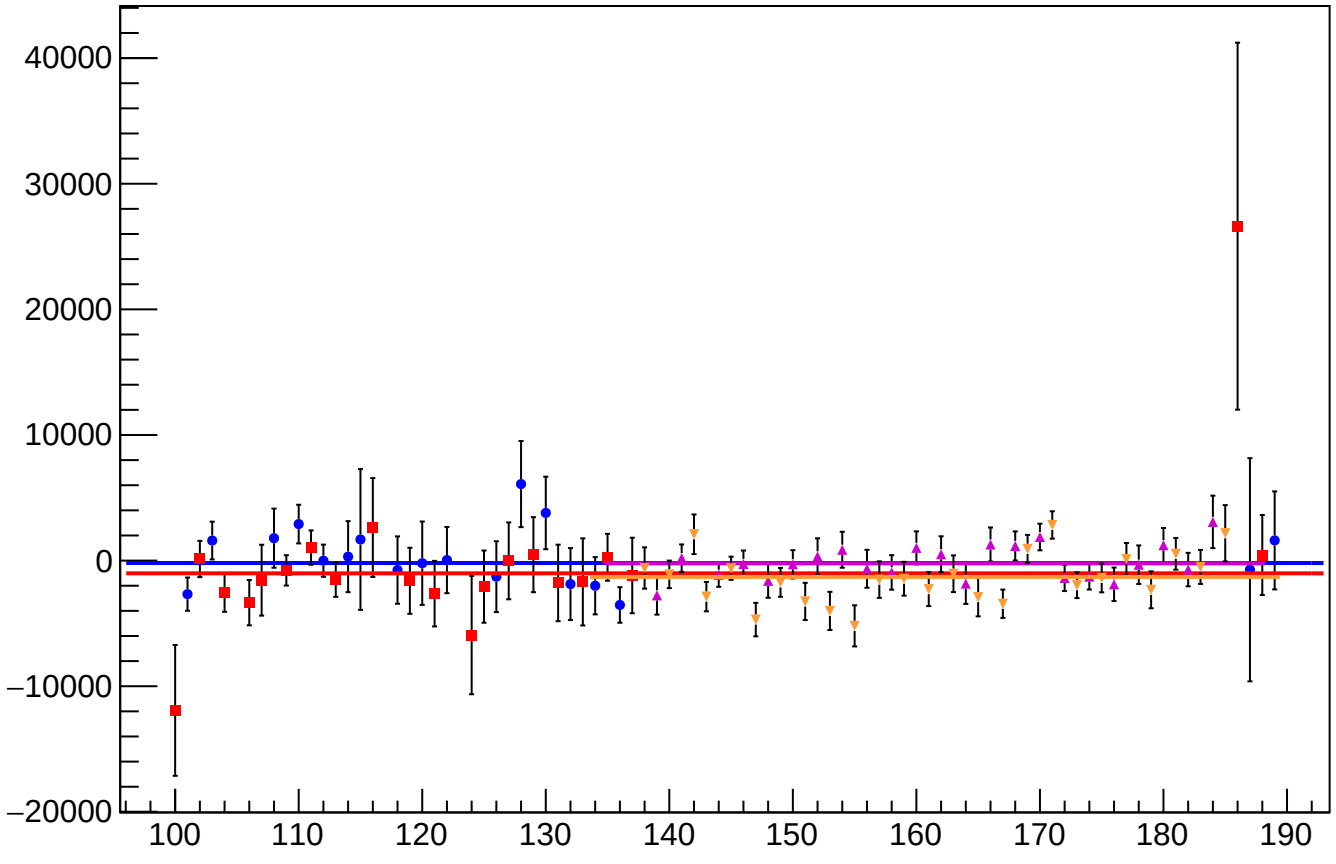
Right Out: 149.998+/-0.037 χ^2/NDF: 1255049.5/20

Left In: 166.308+/-0.028 χ^2/NDF:1392446.1/22

+ sign 161.896+/-0.023 χ^2/NDF: 2425229.3/42

All: 161.118+/-0.016 χ^2/NDF: 5195740.2/86

- sign 160.341+/-0.023 χ^2/NDF: 2768152.2/43



Right In: -192.643+/-501.193 χ^2/NDF: 22.1/17

Left Out: -1298.330+/-256.961 χ^2/NDF:55.1/24

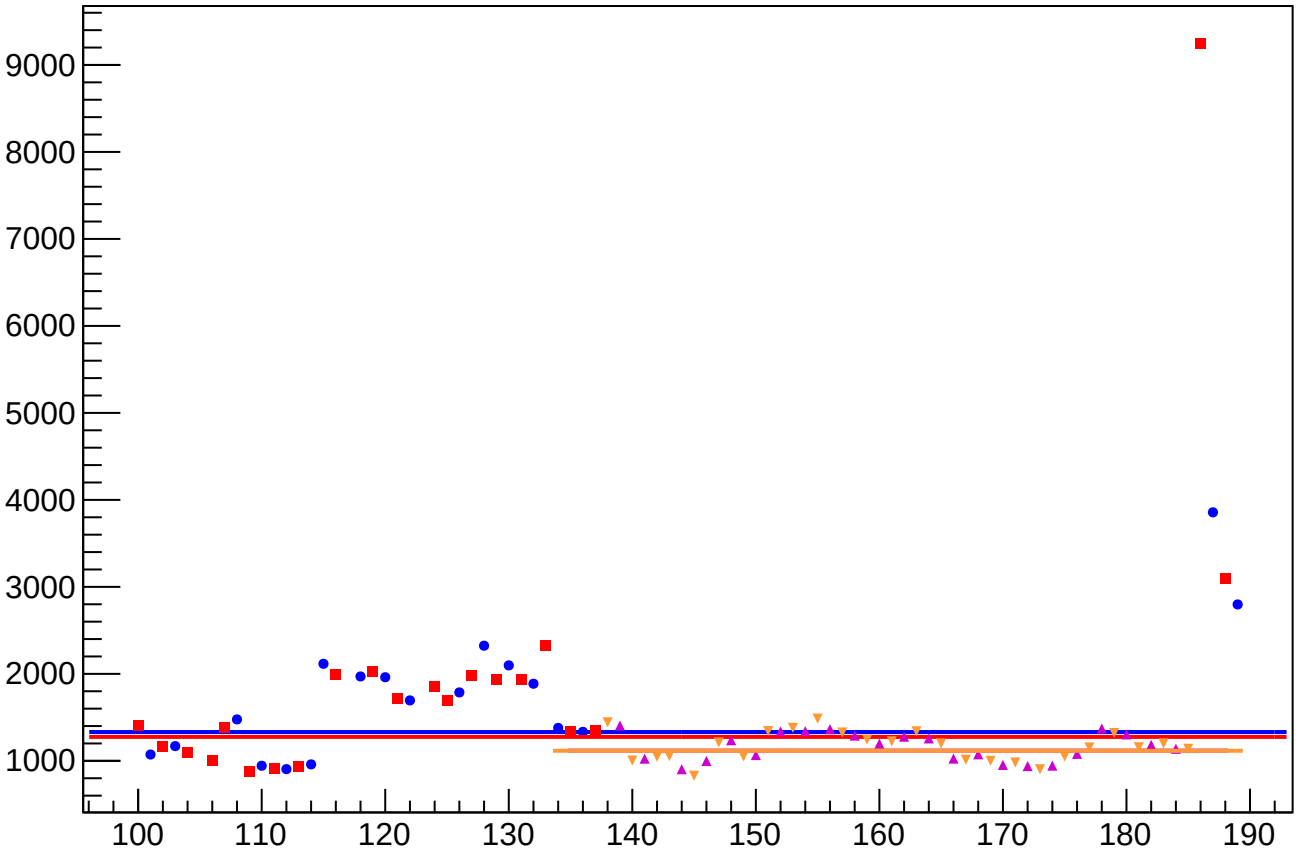
Right Out: -1013.368+/-467.448 χ^2/NDF: 17.4/20

Left In: -217.283+/-264.388 χ^2/NDF:22.2/22

+ sign -1068.185+/-228.660 χ^2/NDF: 81.0/42

All: -741.313+/-162.204 χ^2/NDF: 127.0/86

- sign -410.228+/-230.129 χ^2/NDF: 41.9/43



Right In: 1331.194+/-0.354 χ^2/NDF: 1635096.0/17

Left Out: 1116.032+/-0.182 χ^2/NDF:867491.2/24

Right Out: 1275.197+/-0.331 χ^2/NDF: 2674159.9/20

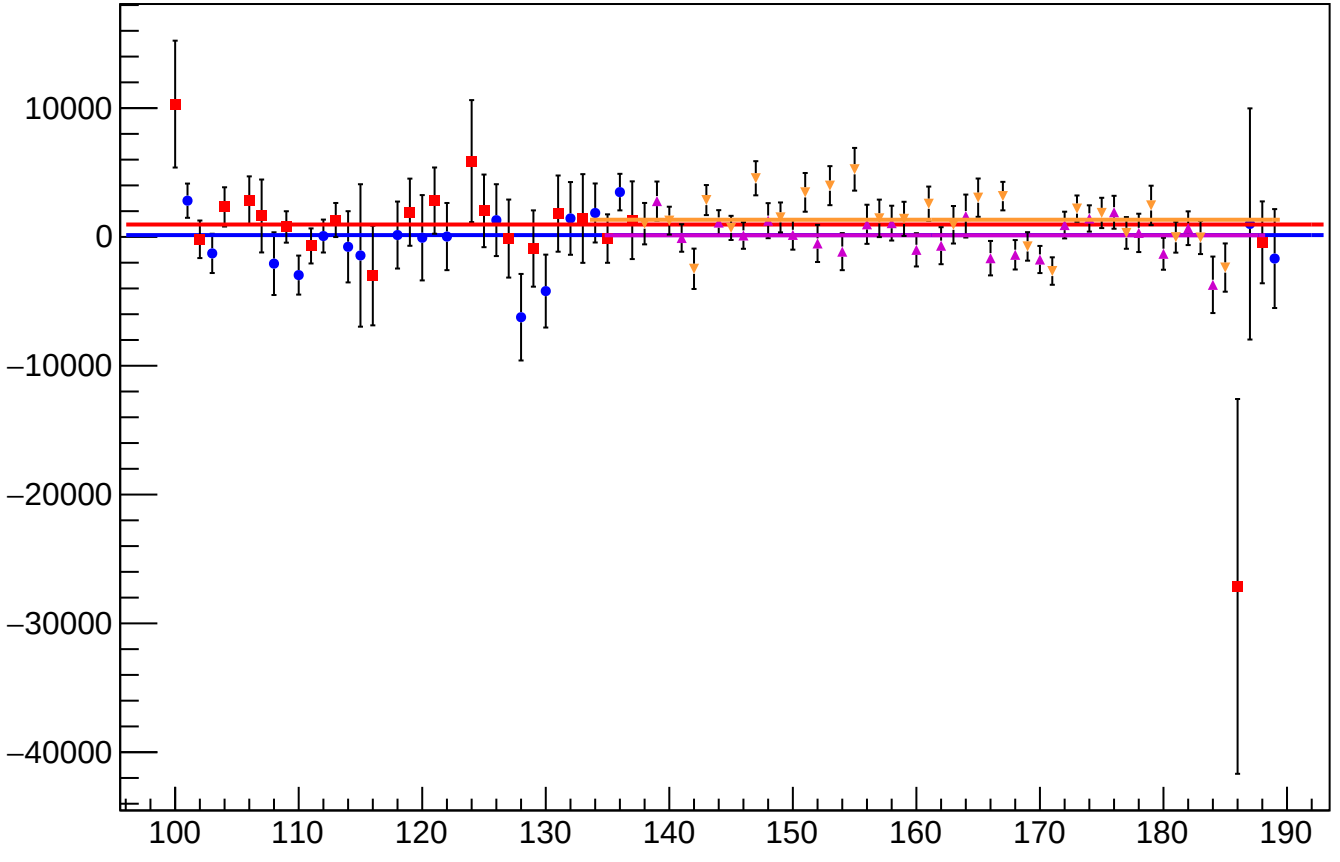
Left In: 1117.829+/-0.187 χ^2/NDF:729386.0/22

+ sign 1160.817+/-0.162 χ^2/NDF: 2794462.0/42

All: 1158.409+/-0.115 χ^2/NDF: 6370187.6/86

- sign 1155.970+/-0.163 χ^2/NDF: 3575279.2/43

asym_sam_48_avg_mean vs Slug



Right In: 142.272+/-500.042 χ^2/NDF: 22.8/17

Left Out: 1334.704+/-254.187 χ^2/NDF:55.7/24

Right Out: 963.618+/-466.648 χ^2/NDF: 15.5/20

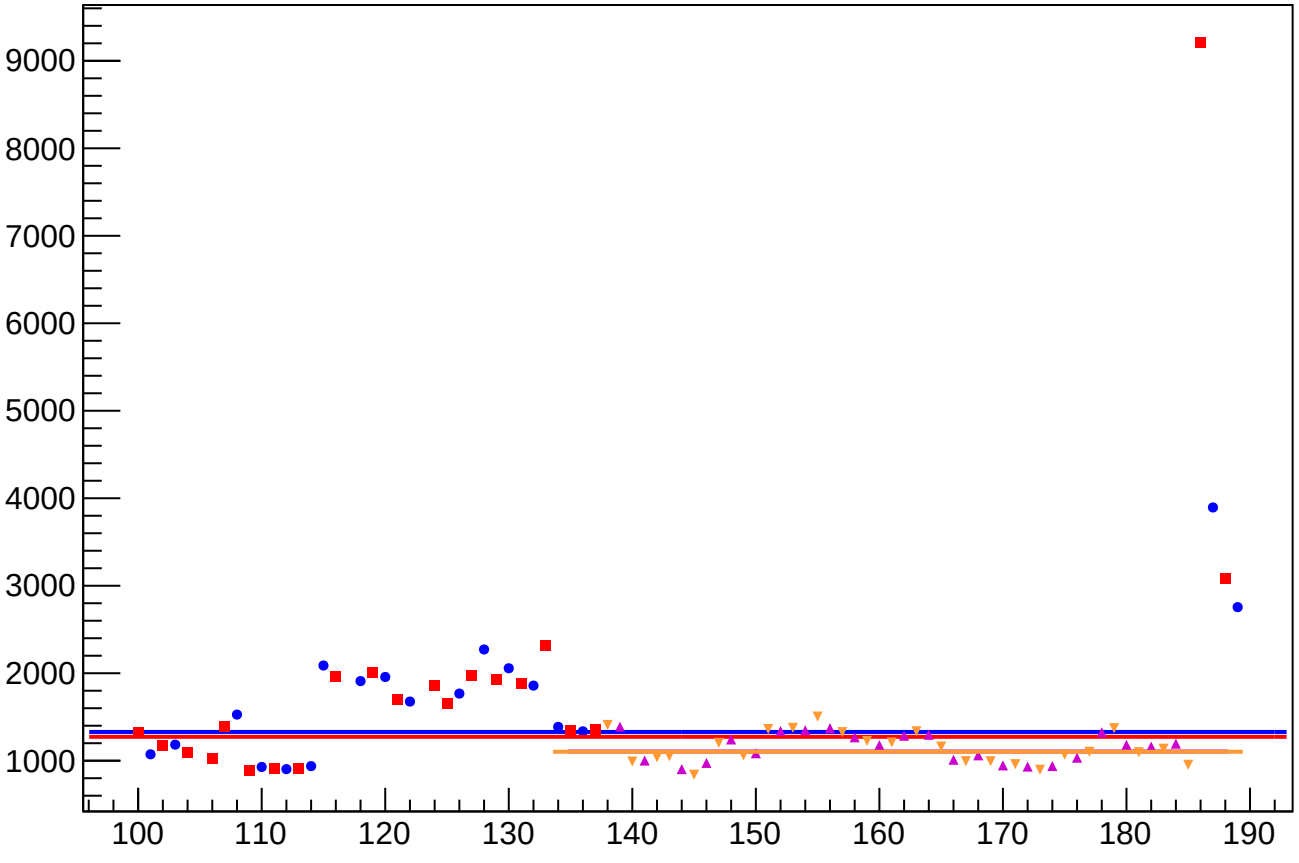
Left In: 128.368+/-261.415 χ^2/NDF:24.0/22

+ sign 1089.849+/-226.592 χ^2/NDF: 83.0/42

All: 711.336+/-160.744 χ^2/NDF: 130.5/86

- sign 327.877+/-228.067 χ^2/NDF: 41.9/43

asym_sam_48_avg_rms vs Slug



Right In: 1328.811+/-0.354 χ^2/NDF: 1602283.5/17

Left Out: 1102.700+/-0.180 χ^2/NDF:880468.6/24

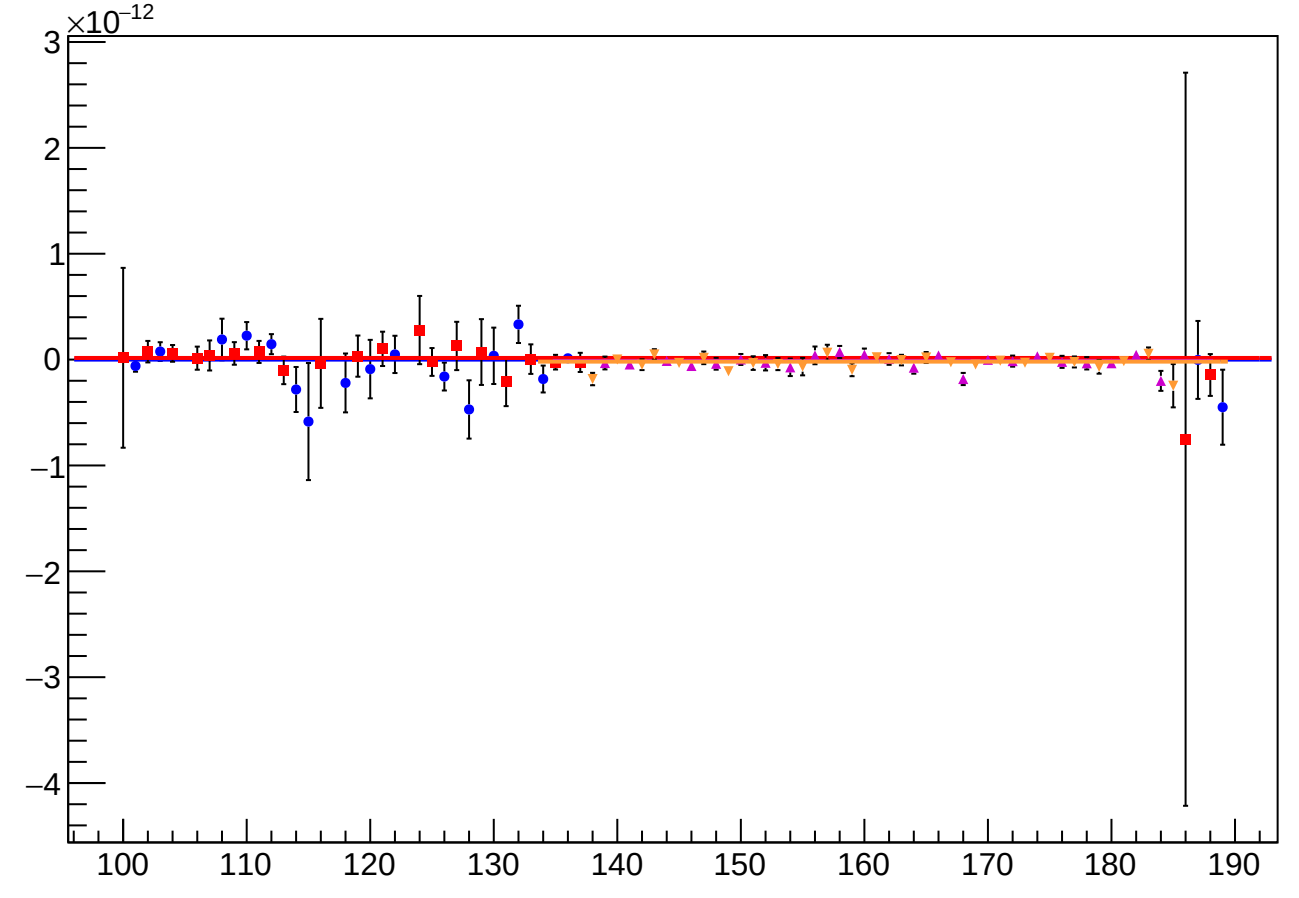
Right Out: 1273.233+/-0.330 χ^2/NDF: 2638932.5/20

Left In: 1105.200+/-0.185 χ^2/NDF:723304.5/22

+ sign 1149.130+/-0.160 χ^2/NDF: 2807718.8/42

All: 1147.245+/-0.114 χ^2/NDF: 6367614.6/86

- sign 1145.336+/-0.161 χ^2/NDF: 3559617.3/43



Right In: -0.000+/-0.000 χ^2/NDF: 23.8/17

Left Out: -0.000+/-0.000 χ^2/NDF:26.5/24

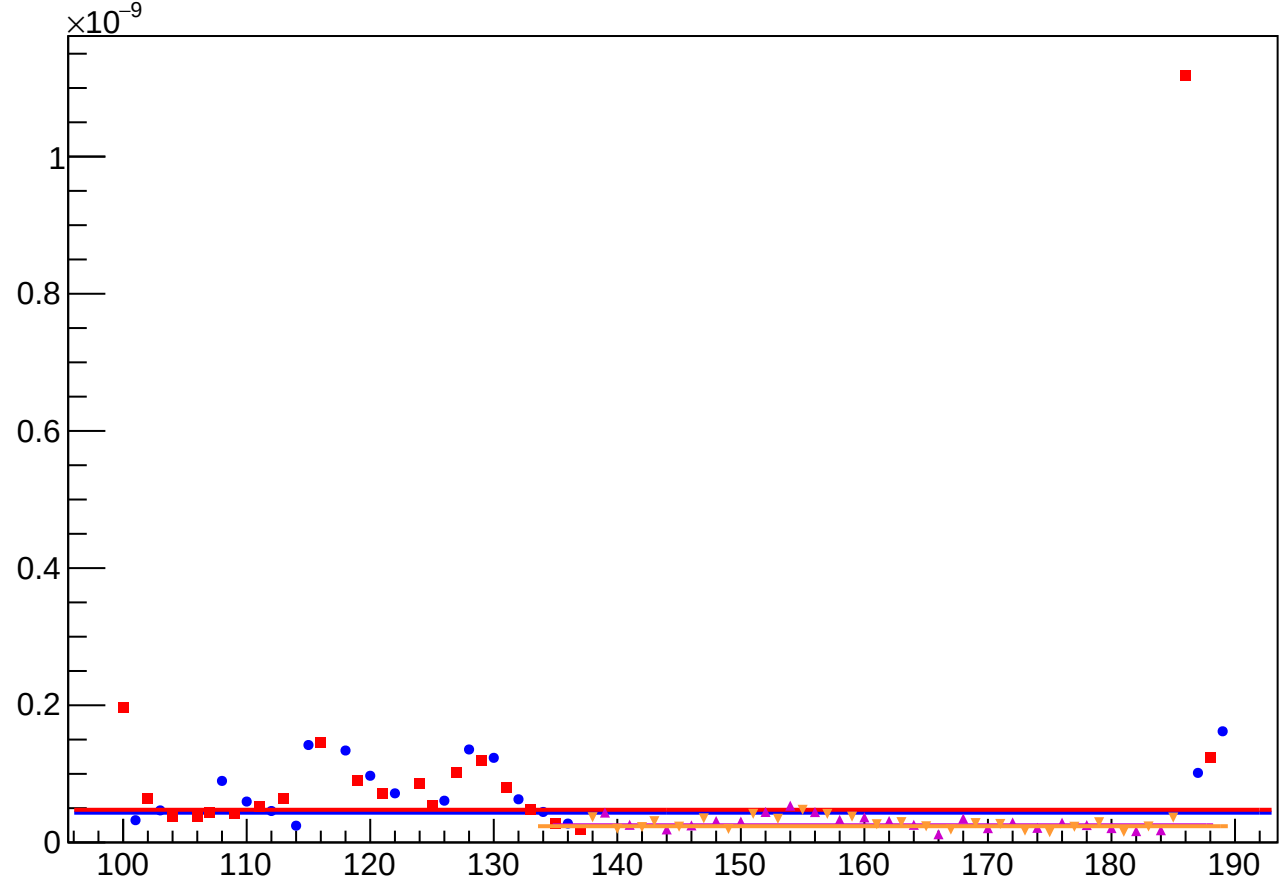
Right Out: 0.000+/-0.000 χ^2/NDF: 5.5/20

Left In: -0.000+/-0.000 χ^2/NDF:27.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 50.7/42

All: -0.000+/-0.000 χ^2/NDF: 84.5/86

- sign -0.000+/-0.000 χ^2/NDF: 33.4/43



Right In: 0.000+/-0.000 χ^2/NDF: 1618105.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:1433511.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1611148.2/20

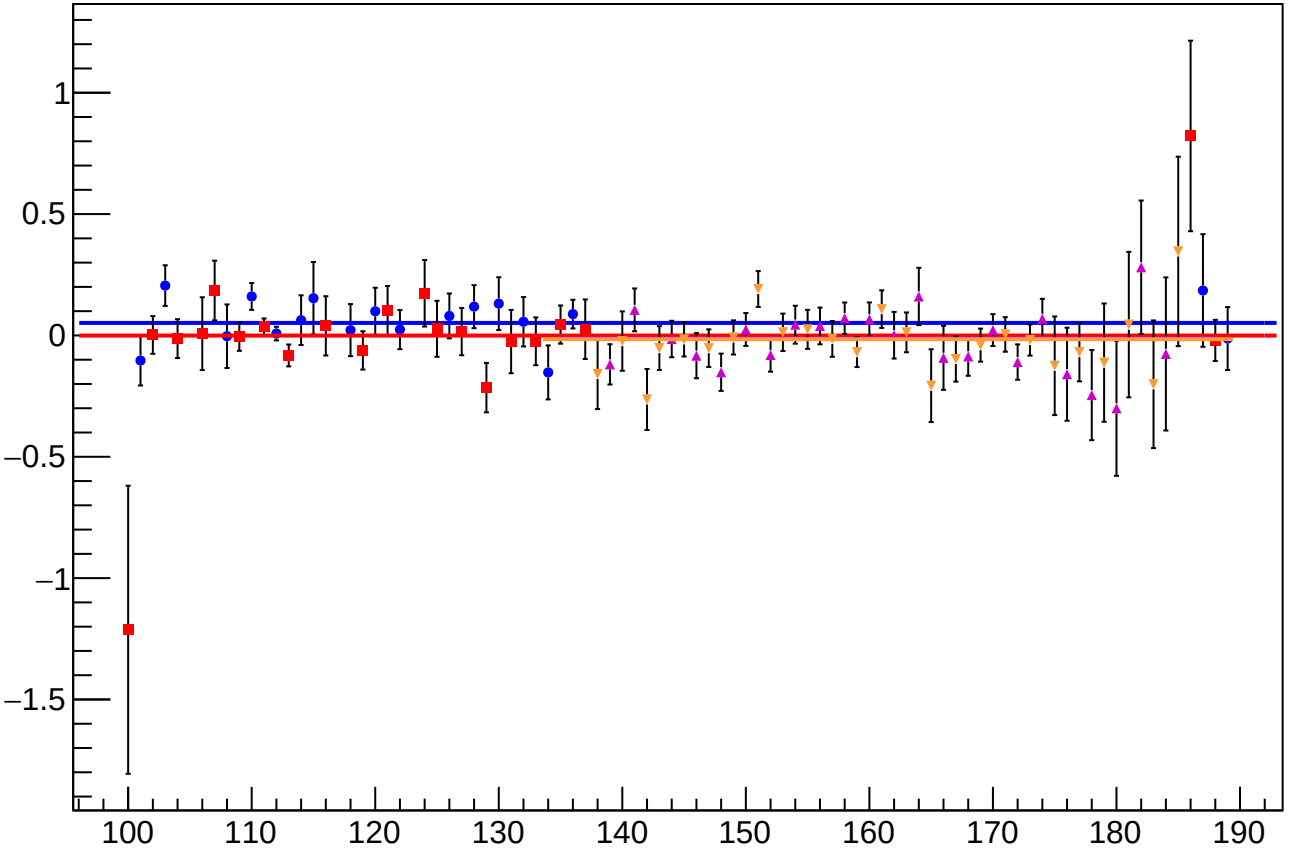
Left In: 0.000+/-0.000 χ^2/NDF:1544727.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 4027551.0/42

All: 0.000+/-0.000 χ^2/NDF: 8335509.3/86

- sign 0.000+/-0.000 χ^2/NDF: 4269175.9/43

asym_sam_48_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.052+/-0.018 χ^2/NDF: 18.6/17

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: -0.001+/-0.018 χ^2/NDF: 23.7/20

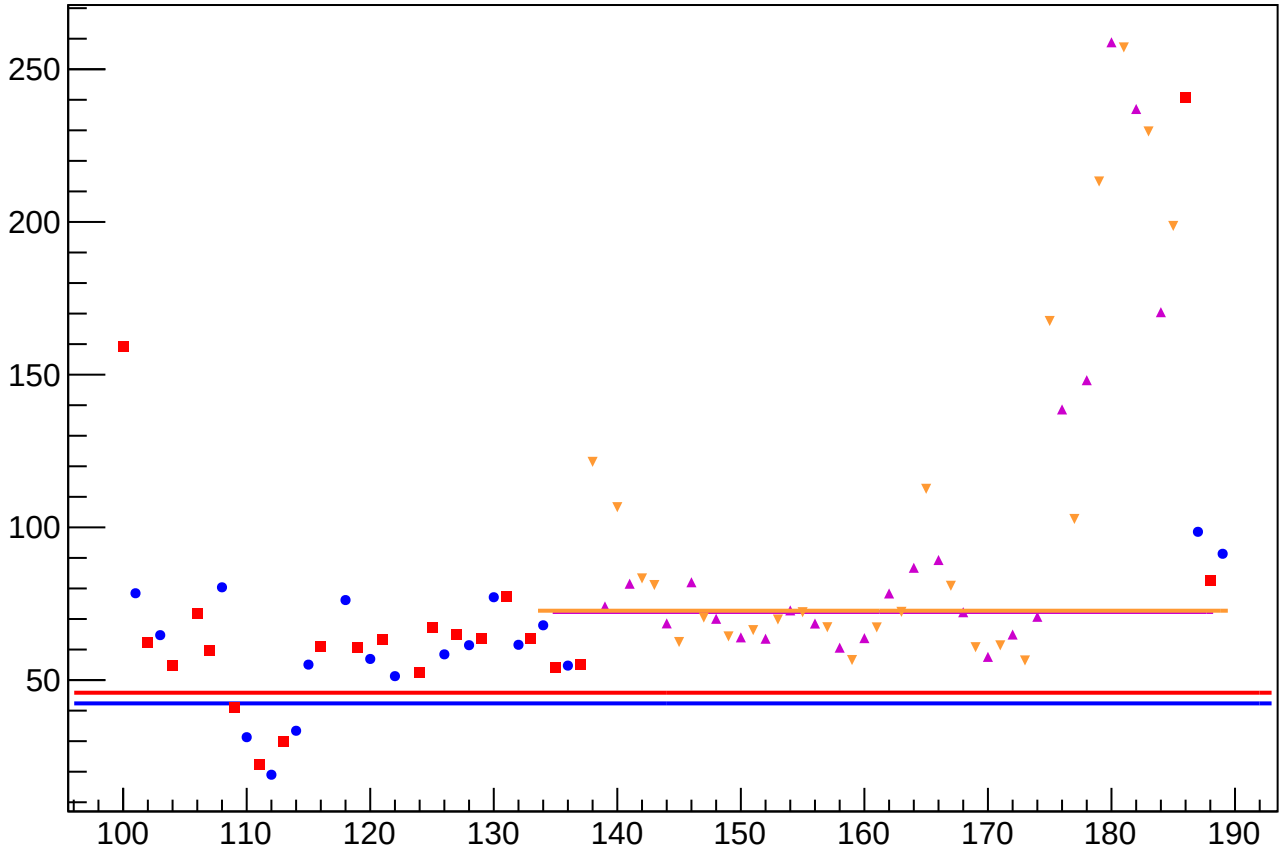
Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.019+/-0.013 χ^2/NDF: 47.3/42

All: 0.007+/-0.009 χ^2/NDF: 96.4/86

- sign -0.006+/-0.013 χ^2/NDF: 47.2/43

asym_sam_48_avg_dit_vs_cor_diff_rms vs Slug



Right In: 42.369+/-0.012 χ^2/NDF: 3337671.1/17

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

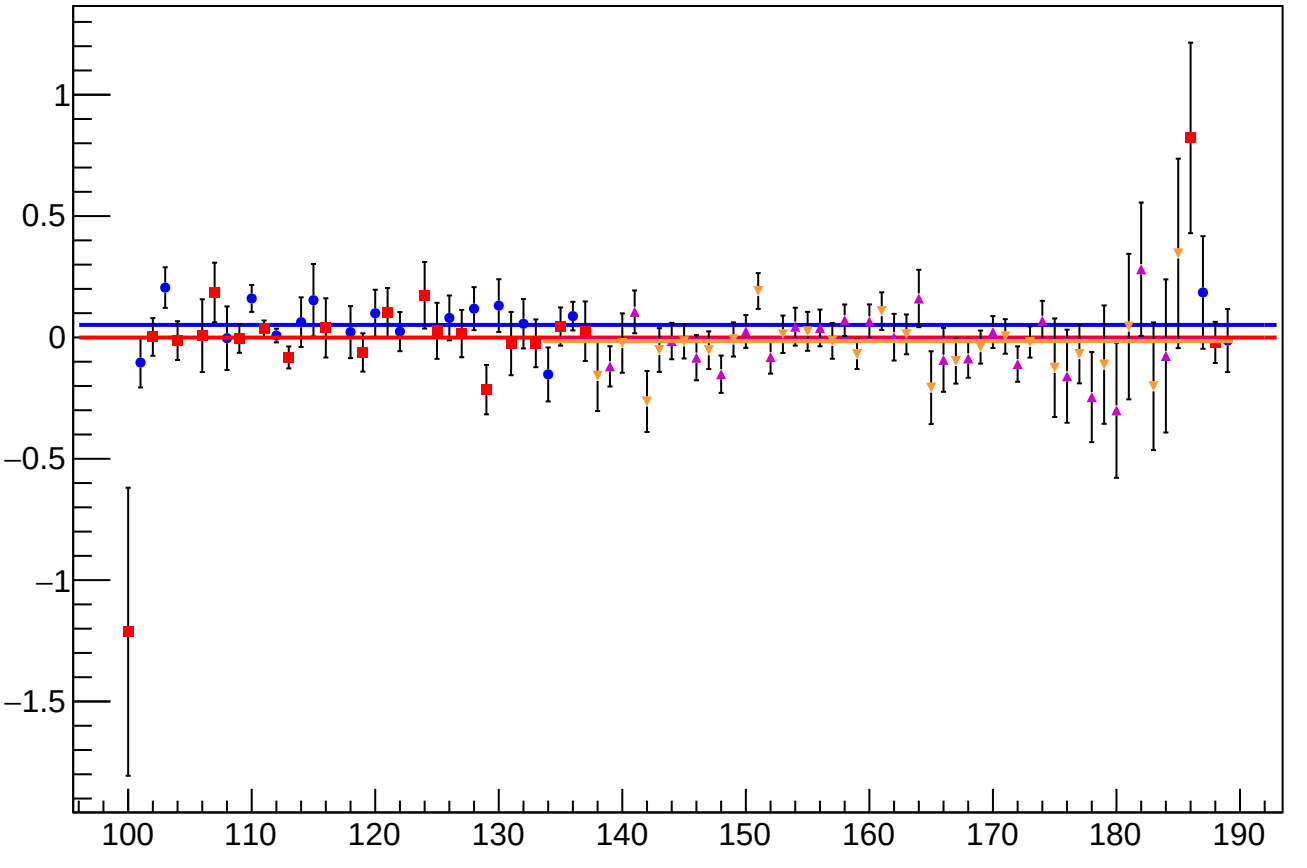
Right Out: 45.860+/-0.012 χ^2/NDF: 2942799.2/20

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

+ sign 57.197+/-0.009 χ^2/NDF: 10218242.8/42

All: 57.863+/-0.006 χ^2/NDF: 18145767.5/86

- sign 58.538+/-0.009 χ^2/NDF: 7916184.3/43



Right In: 0.052+/-0.018 χ^2/NDF: 18.6/17

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

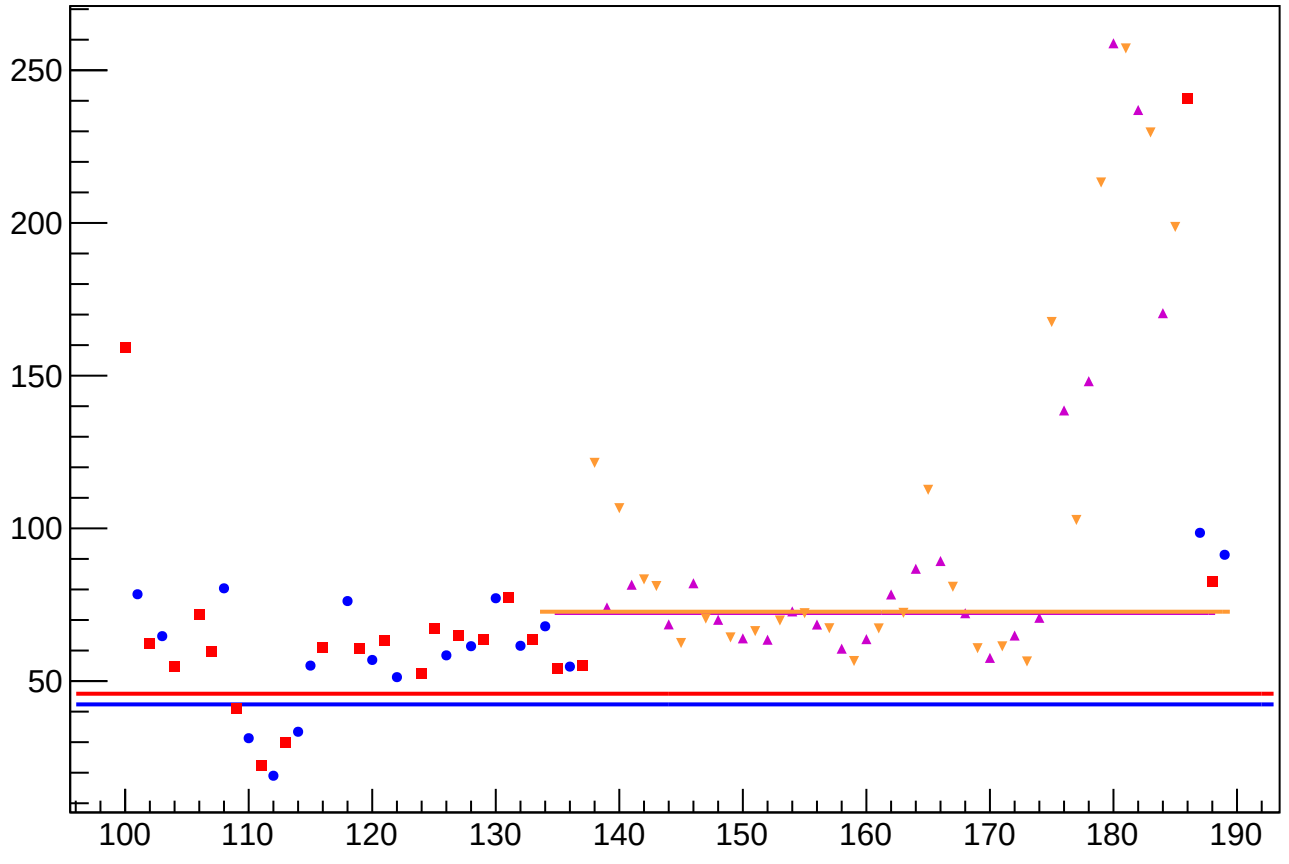
Right Out: -0.001+/-0.018 χ^2/NDF: 23.7/20

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.019+/-0.013 χ^2/NDF: 47.3/42

All: 0.007+/-0.009 χ^2/NDF: 96.4/86

- sign -0.006+/-0.013 χ^2/NDF: 47.2/43



Right In: 42.369+/-0.012 χ^2/NDF: 3337671.1/17

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

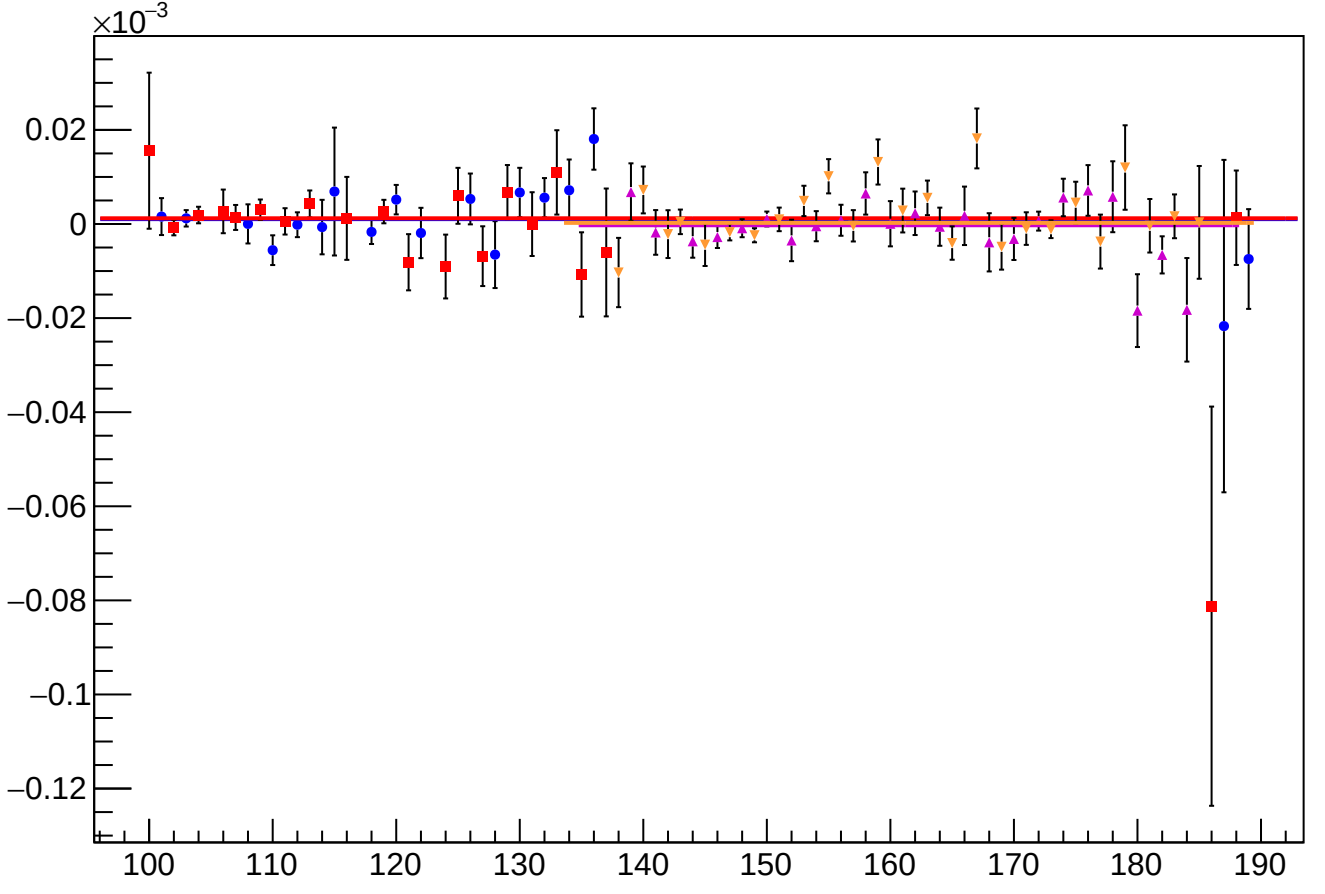
Right Out: 45.860+/-0.012 χ^2/NDF: 2942799.2/20

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

+ sign 57.197+/-0.009 χ^2/NDF: 10218242.8/42

All: 57.863+/-0.006 χ^2/NDF: 18145767.5/86

- sign 58.538+/-0.009 χ^2/NDF: 7916184.3/43



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 19.7/20

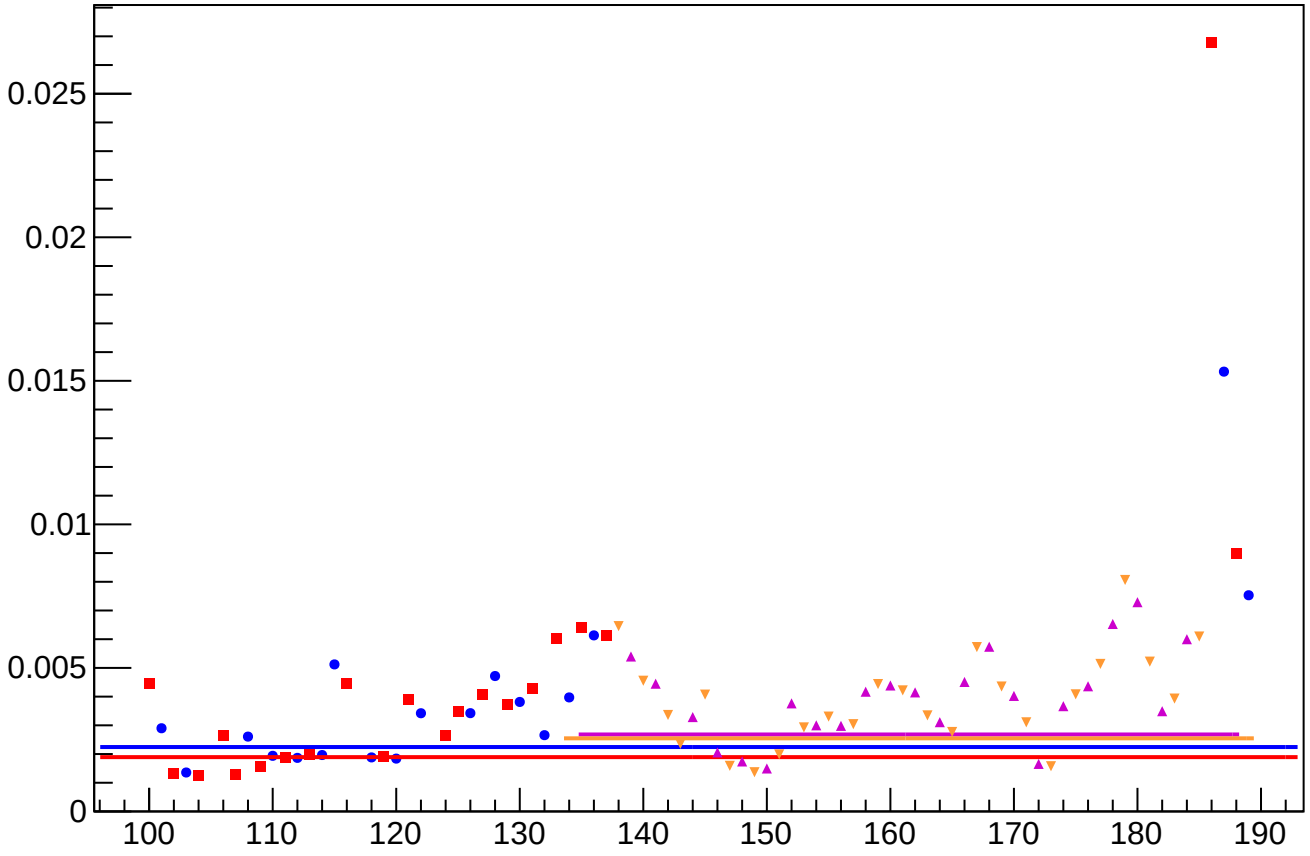
Left In: -0.000+/-0.000 χ^2/NDF:24.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.8/42

All: 0.000+/-0.000 χ^2/NDF: 110.7/86

- sign 0.000+/-0.000 χ^2/NDF: 45.8/43

asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 3069835.4/17

Left Out: 0.003+/-0.000 χ^2/NDF:7499900.9/24

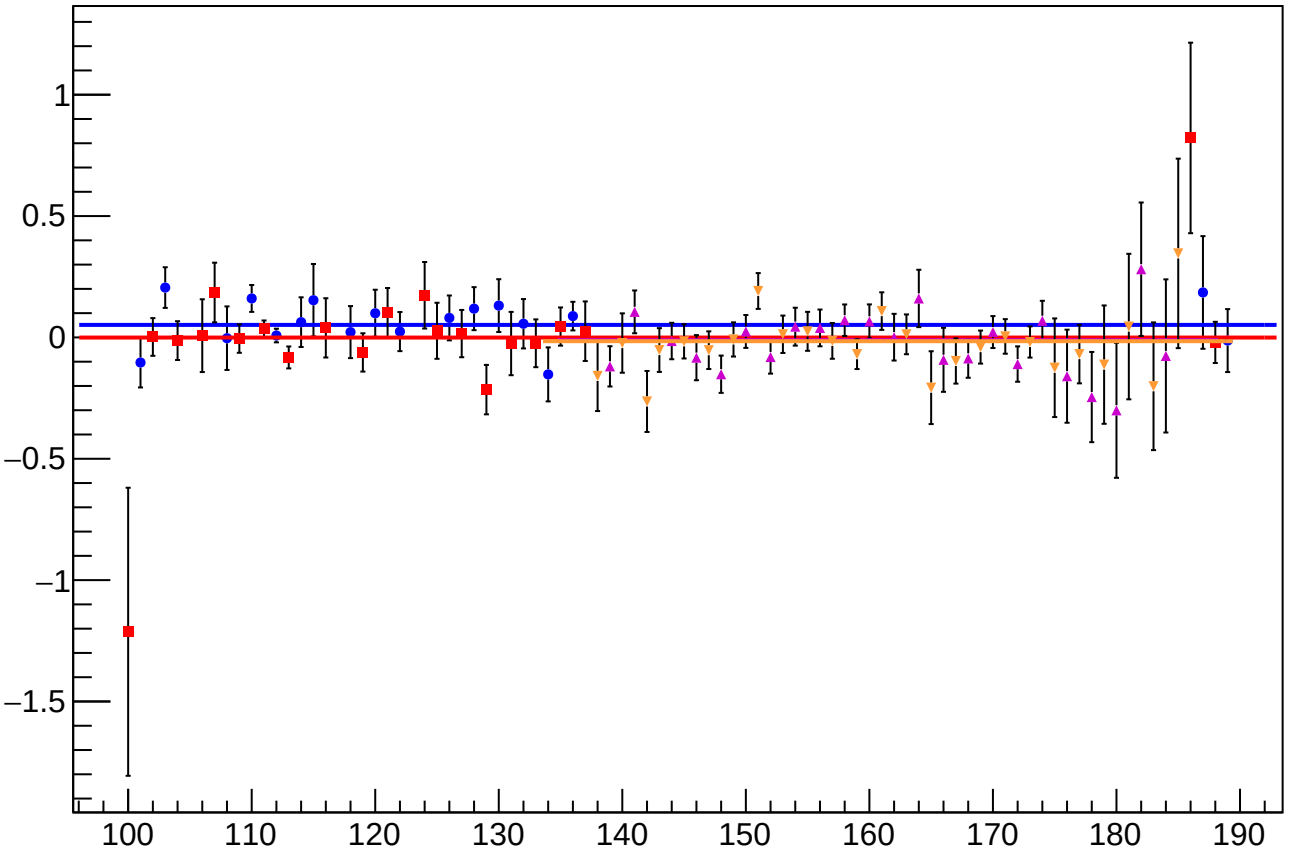
Right Out: 0.002+/-0.000 χ^2/NDF: 4834894.0/20

Left In: 0.003+/-0.000 χ^2/NDF:6504235.2/22

+ sign 0.002+/-0.000 χ^2/NDF: 10717447.5/42

All: 0.002+/-0.000 χ^2/NDF: 23268144.7/86

- sign 0.002+/-0.000 χ^2/NDF: 12492309.7/43



Right In: 0.052+/-0.018 χ^2/NDF: 18.6/17

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: -0.001+/-0.018 χ^2/NDF: 23.7/20

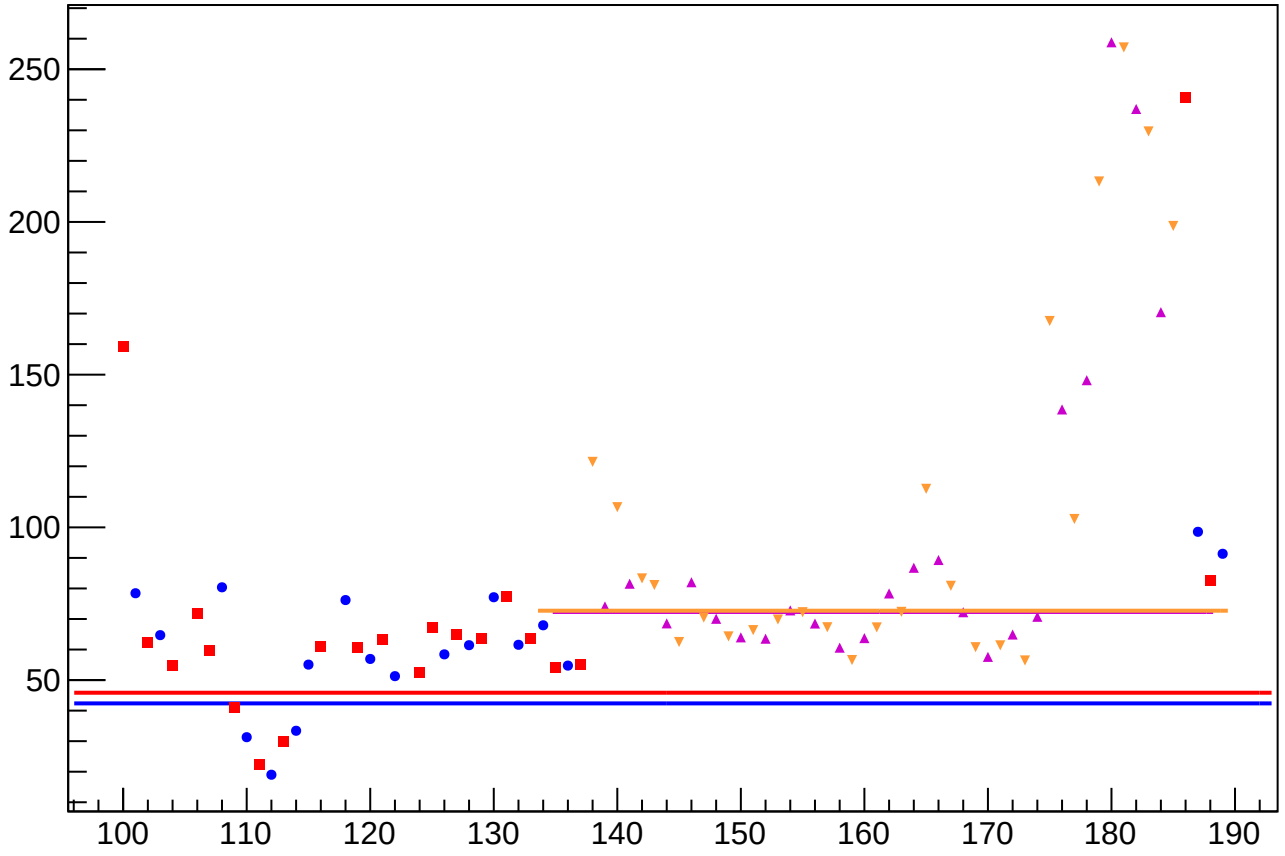
Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.019+/-0.013 χ^2/NDF: 47.3/42

All: 0.007+/-0.009 χ^2/NDF: 96.4/86

- sign -0.006+/-0.013 χ^2/NDF: 47.2/43

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 42.368+/-0.012 χ^2/NDF: 3337830.3/17

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

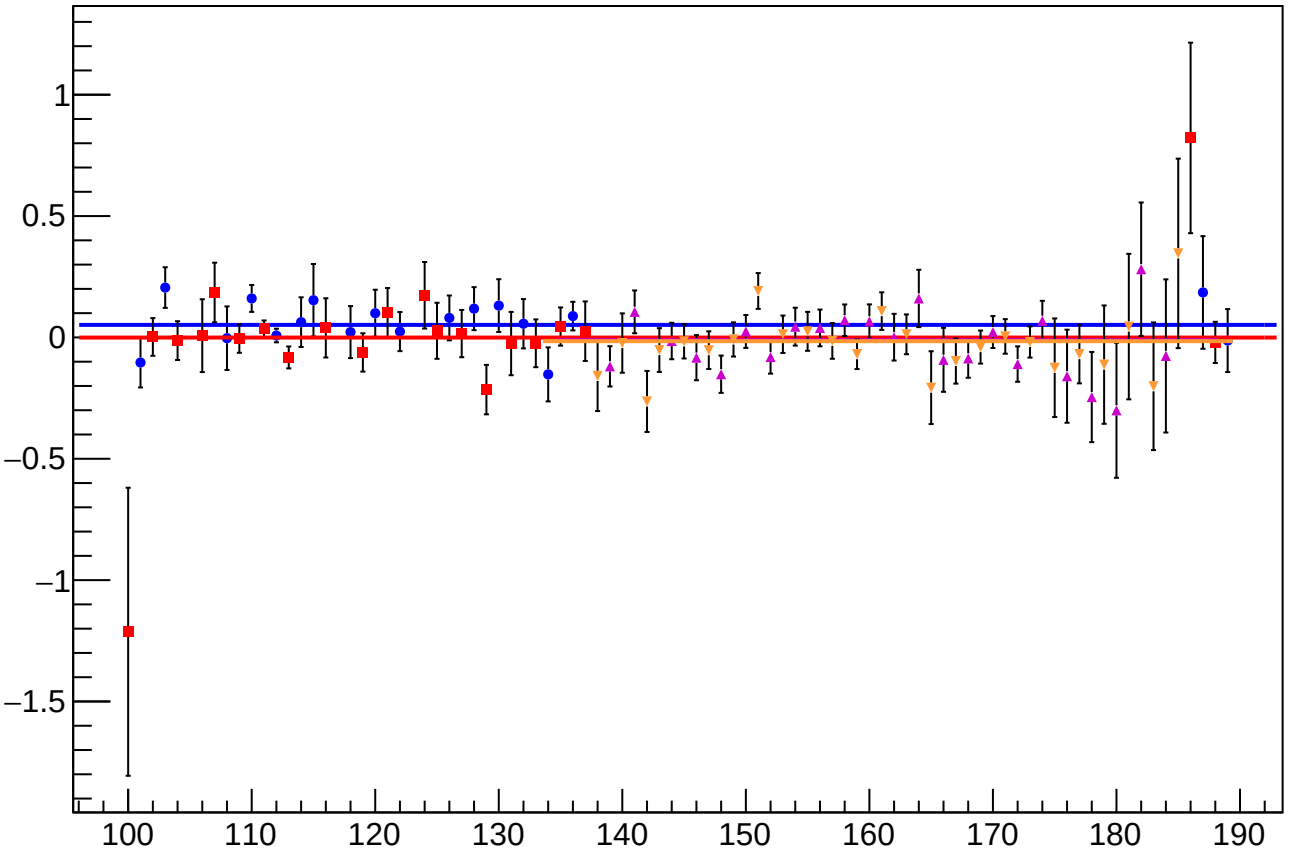
Right Out: 45.859+/-0.012 χ^2/NDF: 2942988.1/20

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

+ sign 57.196+/-0.009 χ^2/NDF: 10218663.0/42

All: 57.863+/-0.006 χ^2/NDF: 18146567.0/86

- sign 58.538+/-0.009 χ^2/NDF: 7916562.1/43



Right In: 0.052+/-0.018 χ^2/NDF: 18.6/17

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

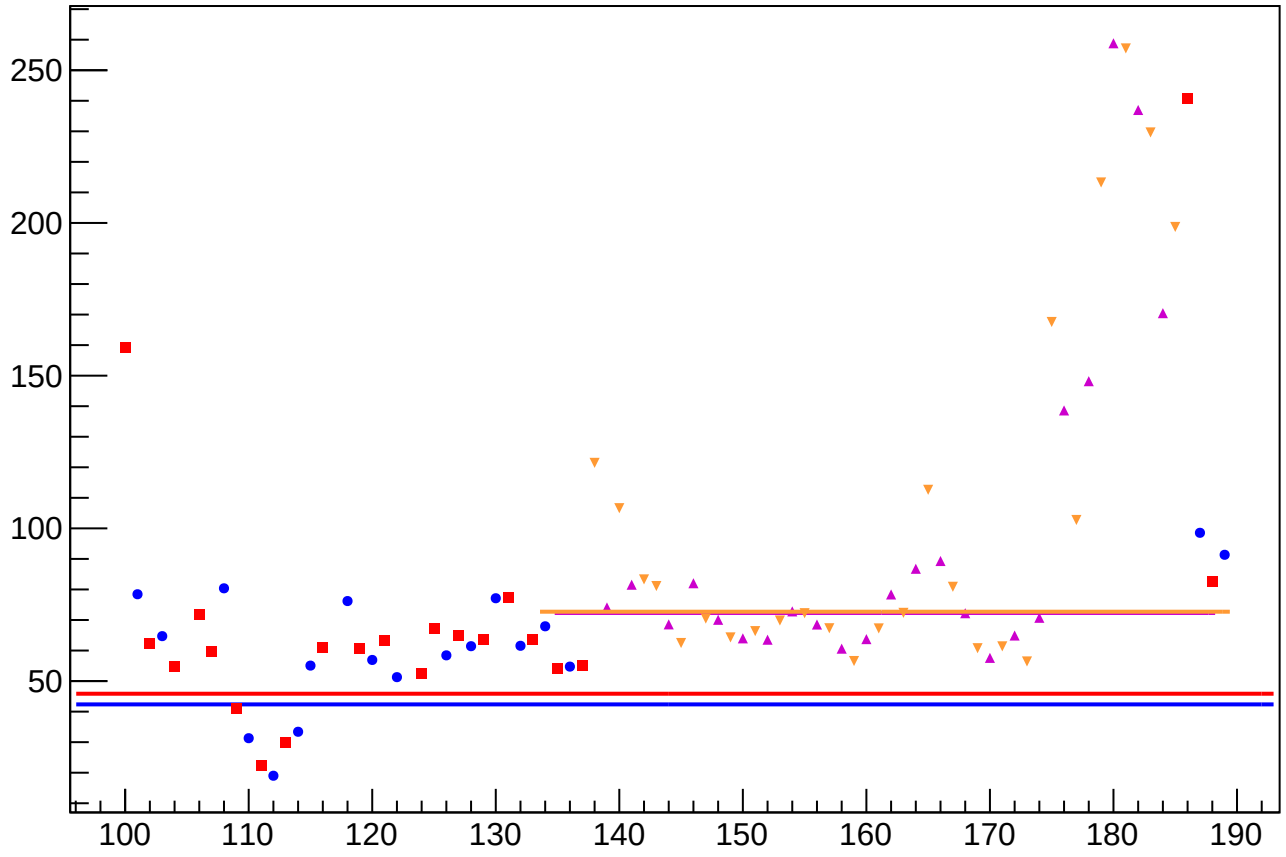
Right Out: -0.001+/-0.018 χ^2/NDF: 23.7/20

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.019+/-0.013 χ^2/NDF: 47.3/42

All: 0.007+/-0.009 χ^2/NDF: 96.4/86

- sign -0.006+/-0.013 χ^2/NDF: 47.2/43



Right In: 42.368+/-0.012 χ^2/NDF: 3337830.3/17

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

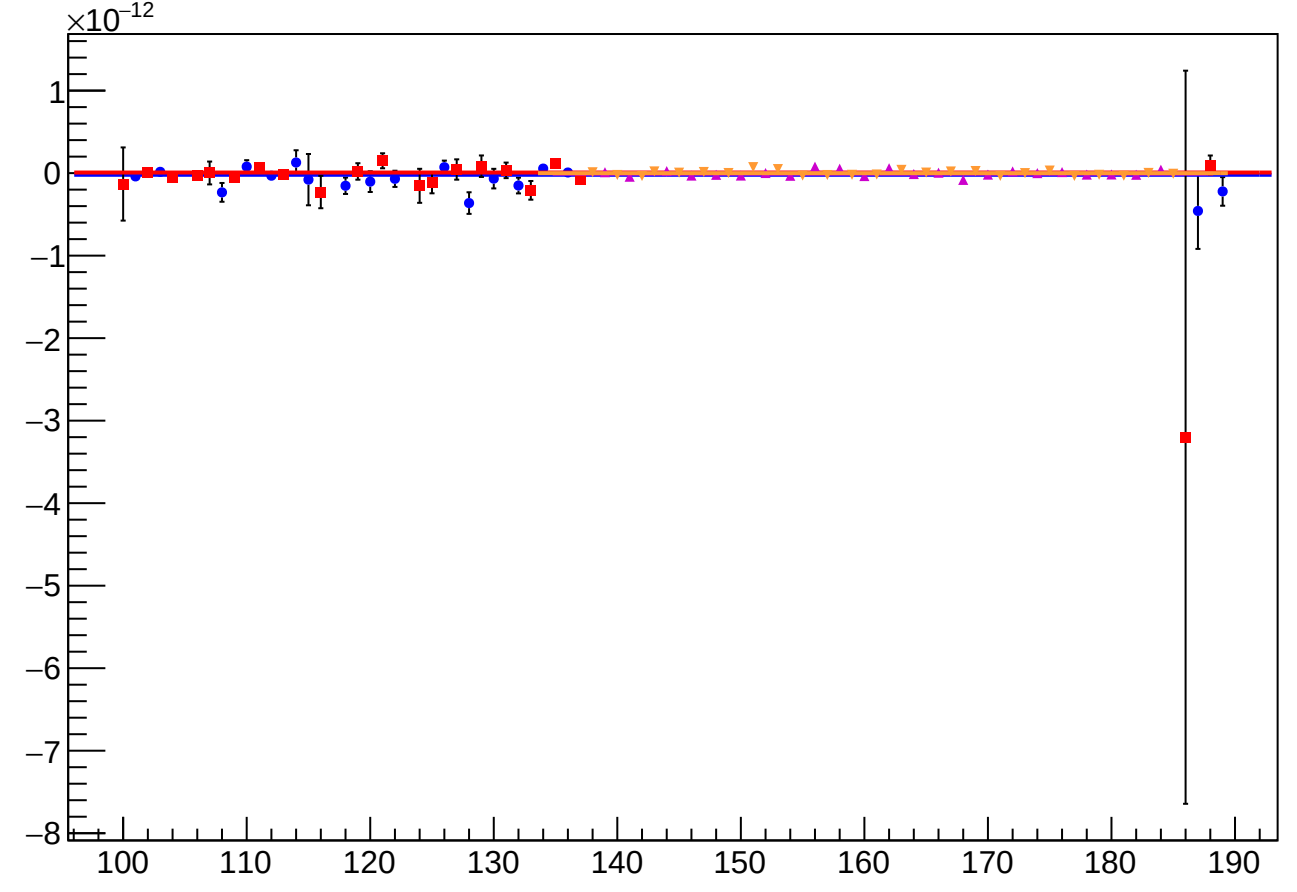
Right Out: 45.859+/-0.012 χ^2/NDF: 2942988.1/20

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

+ sign 57.196+/-0.009 χ^2/NDF: 10218663.0/42

All: 57.863+/-0.006 χ^2/NDF: 18146567.0/86

- sign 58.538+/-0.009 χ^2/NDF: 7916562.1/43



Right In: -0.000+/-0.000 χ^2/NDF: 25.3/17

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/24

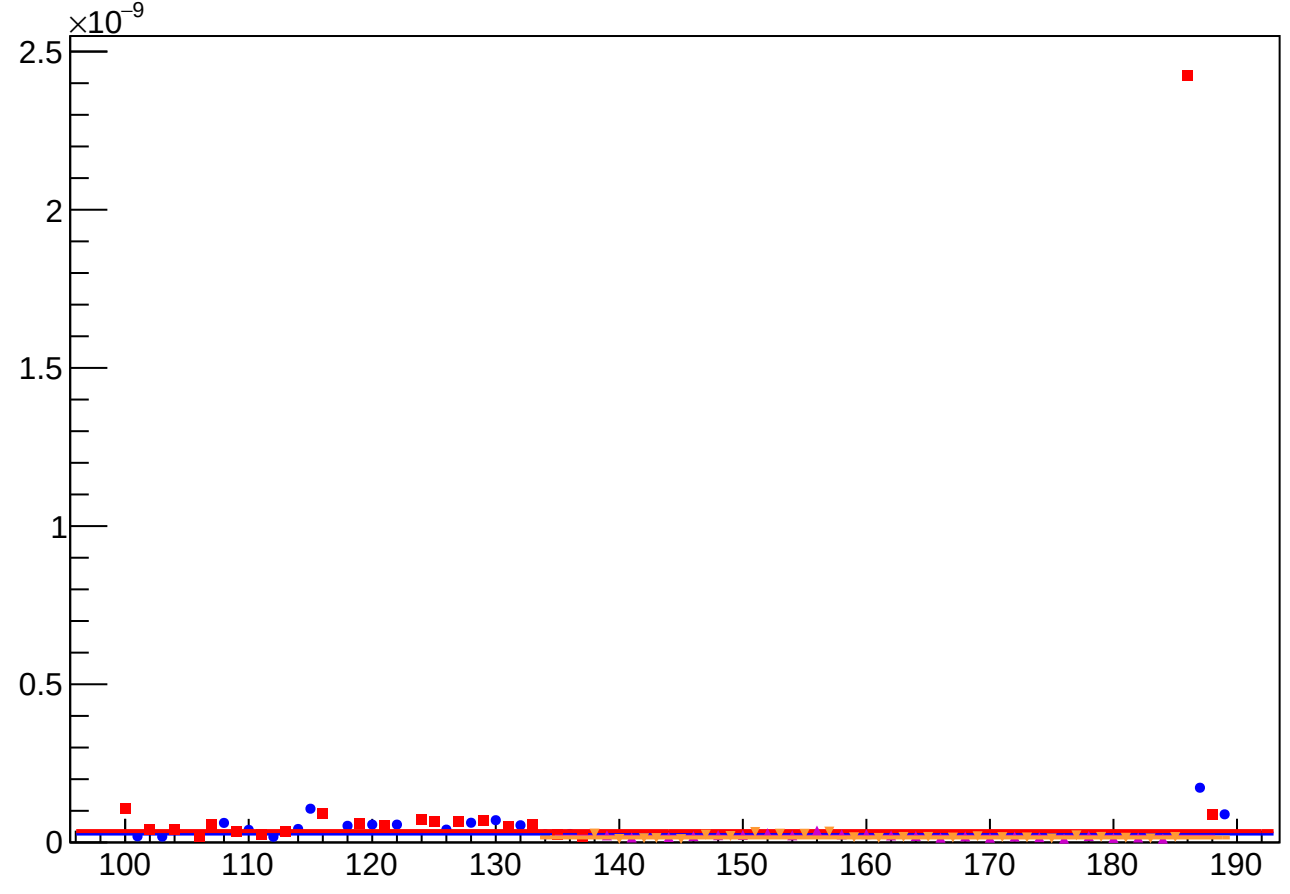
Right Out: 0.000+/-0.000 χ^2/NDF: 24.4/20

Left In: -0.000+/-0.000 χ^2/NDF:38.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.8/42

All: -0.000+/-0.000 χ^2/NDF: 118.2/86

- sign -0.000+/-0.000 χ^2/NDF: 63.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 2247993.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:2331257.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2653454.8/20

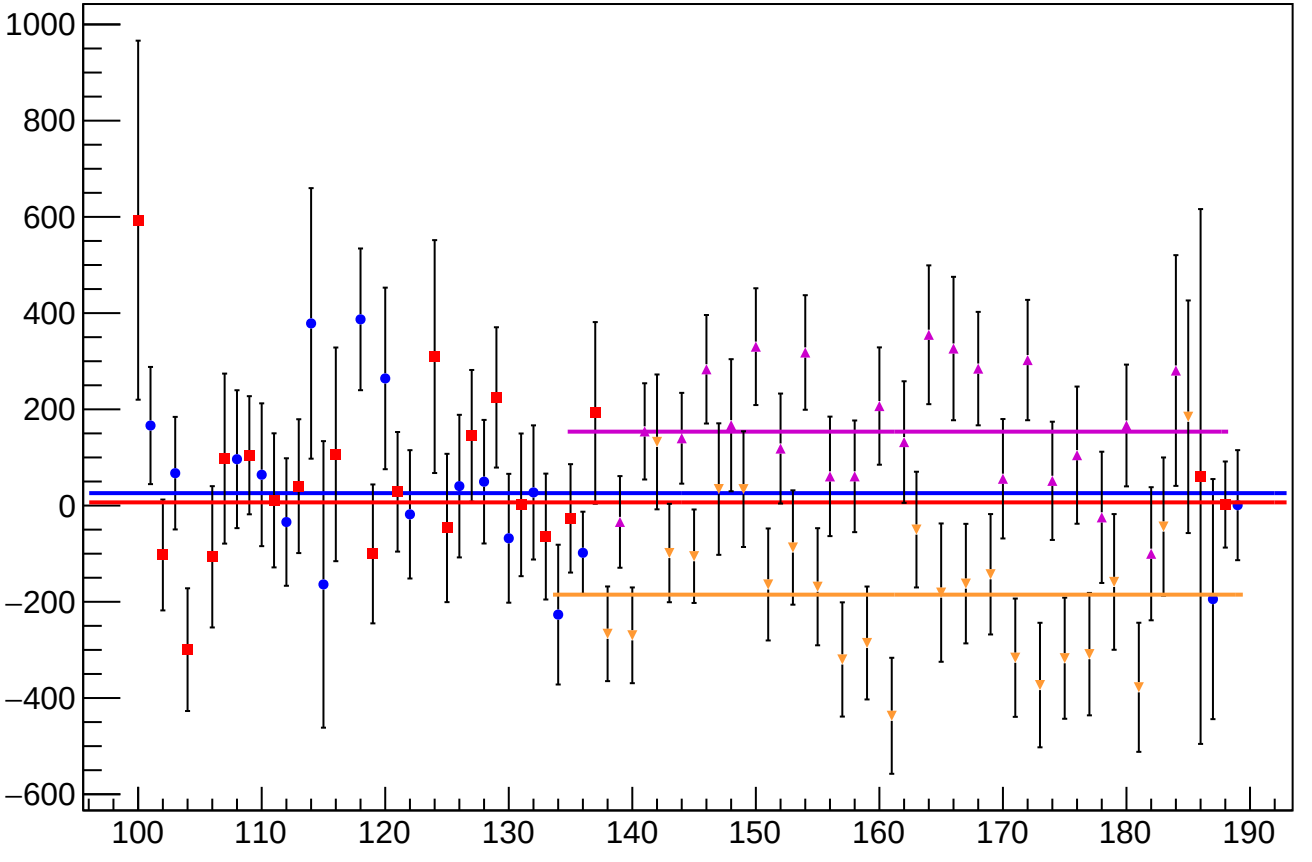
Left In: 0.000+/-0.000 χ^2/NDF:1621439.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5897747.6/42

All: 0.000+/-0.000 χ^2/NDF: 12627354.6/86

- sign 0.000+/-0.000 χ^2/NDF: 6371206.1/43

reg_asym_sam_15_dd_mean vs Slug



Right In: 25.839+/-32.683 χ^2/NDF: 18.2/17

Left Out: -185.146+/-24.452 χ^2/NDF:33.1/24

Right Out: 6.638+/-31.258 χ^2/NDF: 17.8/20

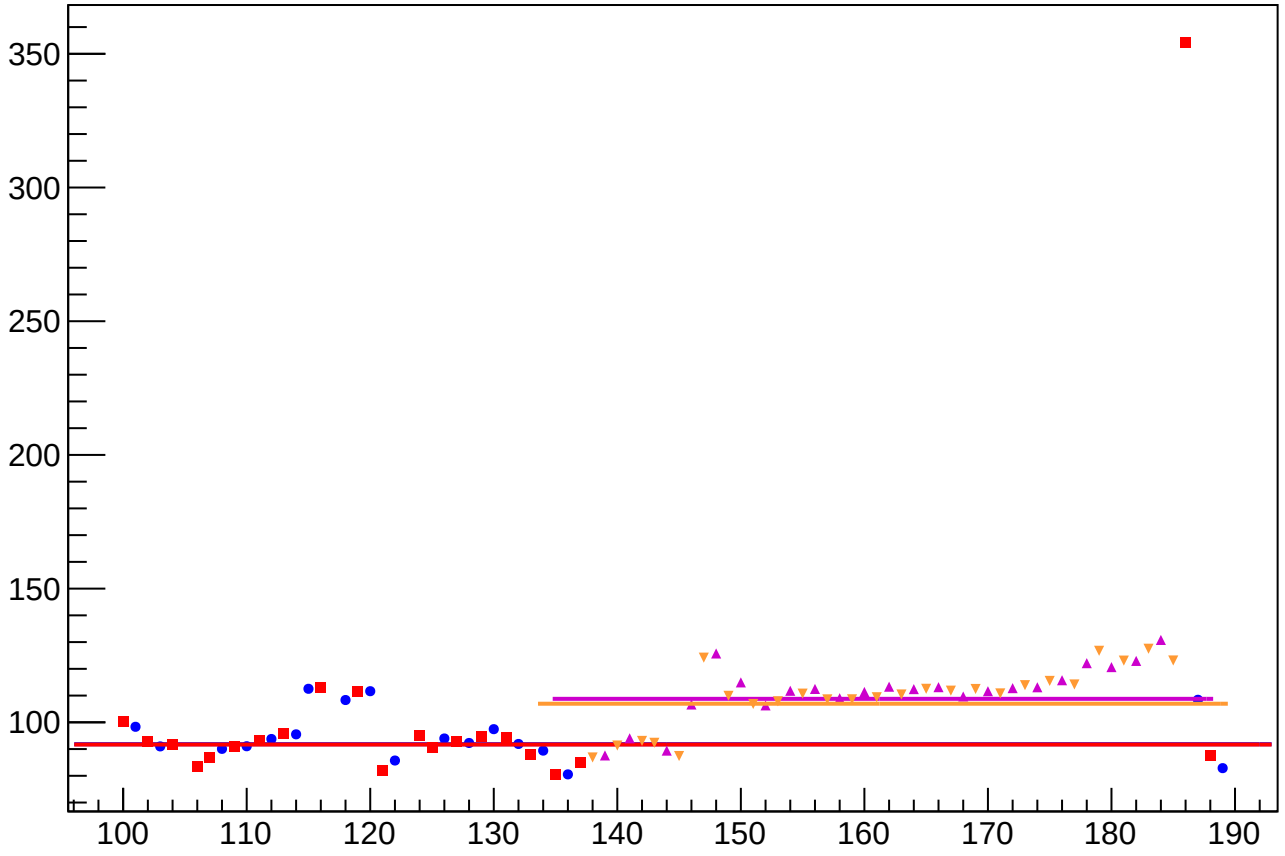
Left In: 153.627+/-25.538 χ^2/NDF:23.5/22

+ sign -109.430+/-19.579 χ^2/NDF: 77.9/42

All: -8.346+/-13.914 χ^2/NDF: 186.3/86

- sign 94.787+/-19.777 χ^2/NDF: 54.6/43

reg_asym_sam_15_dd_rms vs Slug



Right In: 91.808+/-0.023 χ^2/NDF: 128580.2/17

Left Out: 106.954+/-0.017 χ^2/NDF:464271.3/24

Right Out: 91.694+/-0.022 χ^2/NDF: 555182.4/20

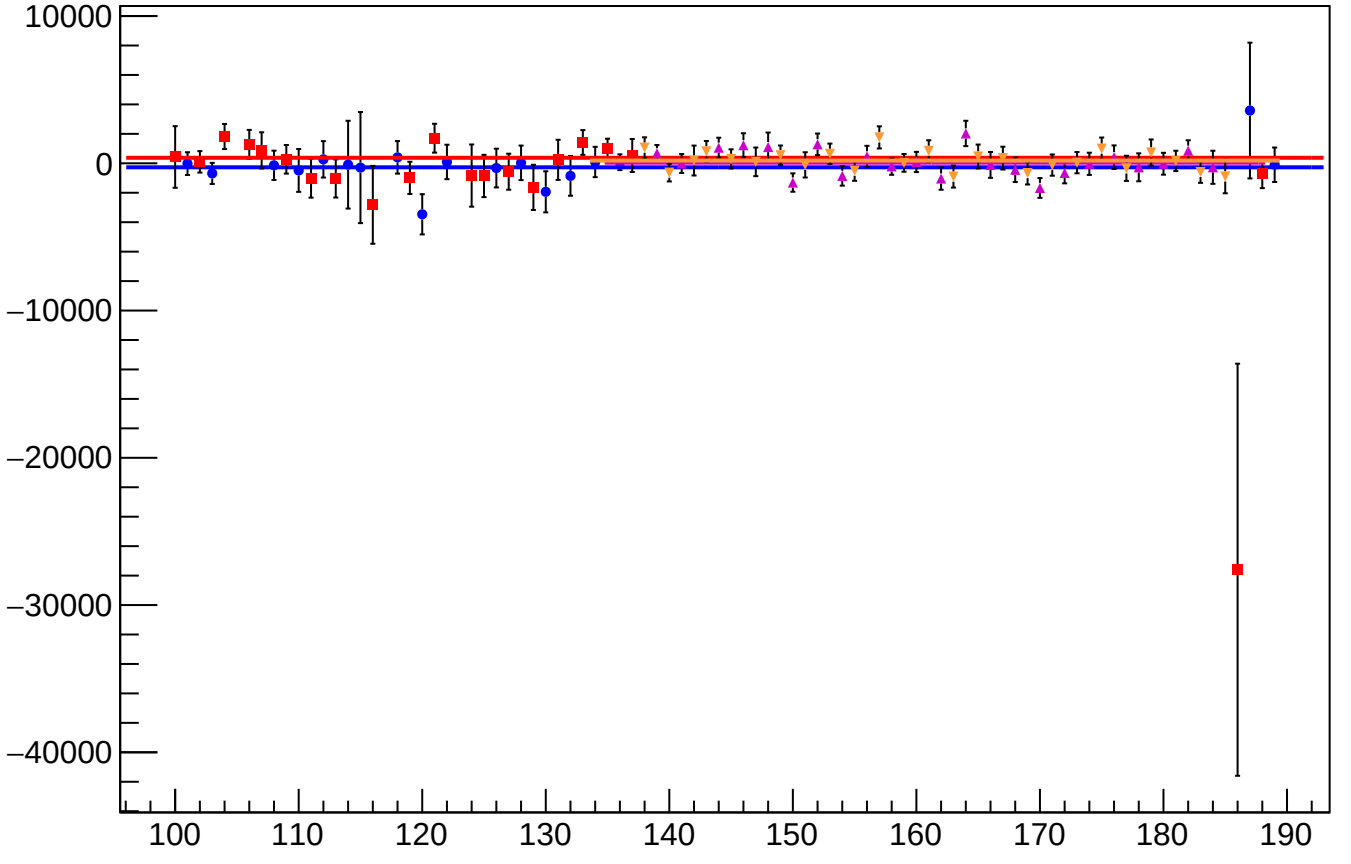
Left In: 108.781+/-0.018 χ^2/NDF:358436.3/22

+ sign 101.519+/-0.014 χ^2/NDF: 868218.4/42

All: 101.728+/-0.010 χ^2/NDF: 2140688.3/86

- sign 101.941+/-0.014 χ^2/NDF: 1272009.7/43

asym_sam_15_dd_reg_correction_mean vs Slug



Right In: -272.045+/-253.145 χ^2/NDF: 9.5/17

Left Out: 186.456+/-148.819 χ^2/NDF:19.1/24

Right Out: 374.715+/-240.845 χ^2/NDF: 22.2/20

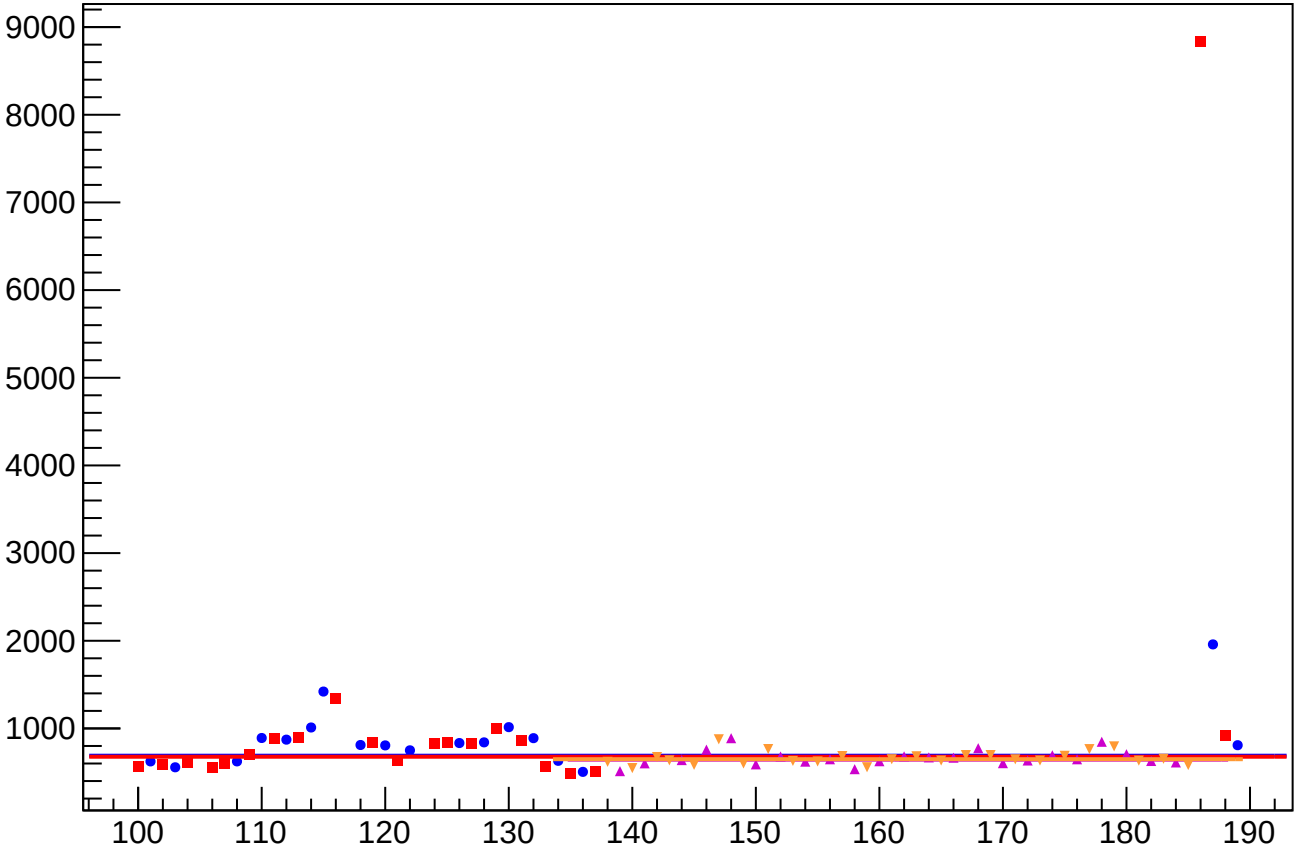
Left In: 43.249+/-152.059 χ^2/NDF:33.7/22

+ sign 68.695+/-128.292 χ^2/NDF: 31.0/42

All: 103.130+/-90.817 χ^2/NDF: 88.5/86

- sign 137.718+/-128.577 χ^2/NDF: 57.3/43

asym_sam_15_dd_reg_correction_rms vs Slug



Right In: 688.938+/-0.179 χ^2/NDF: 943650.8/17

Left Out: 649.189+/-0.105 χ^2/NDF:418364.7/24

Right Out: 677.461+/-0.170 χ^2/NDF: 1607752.8/20

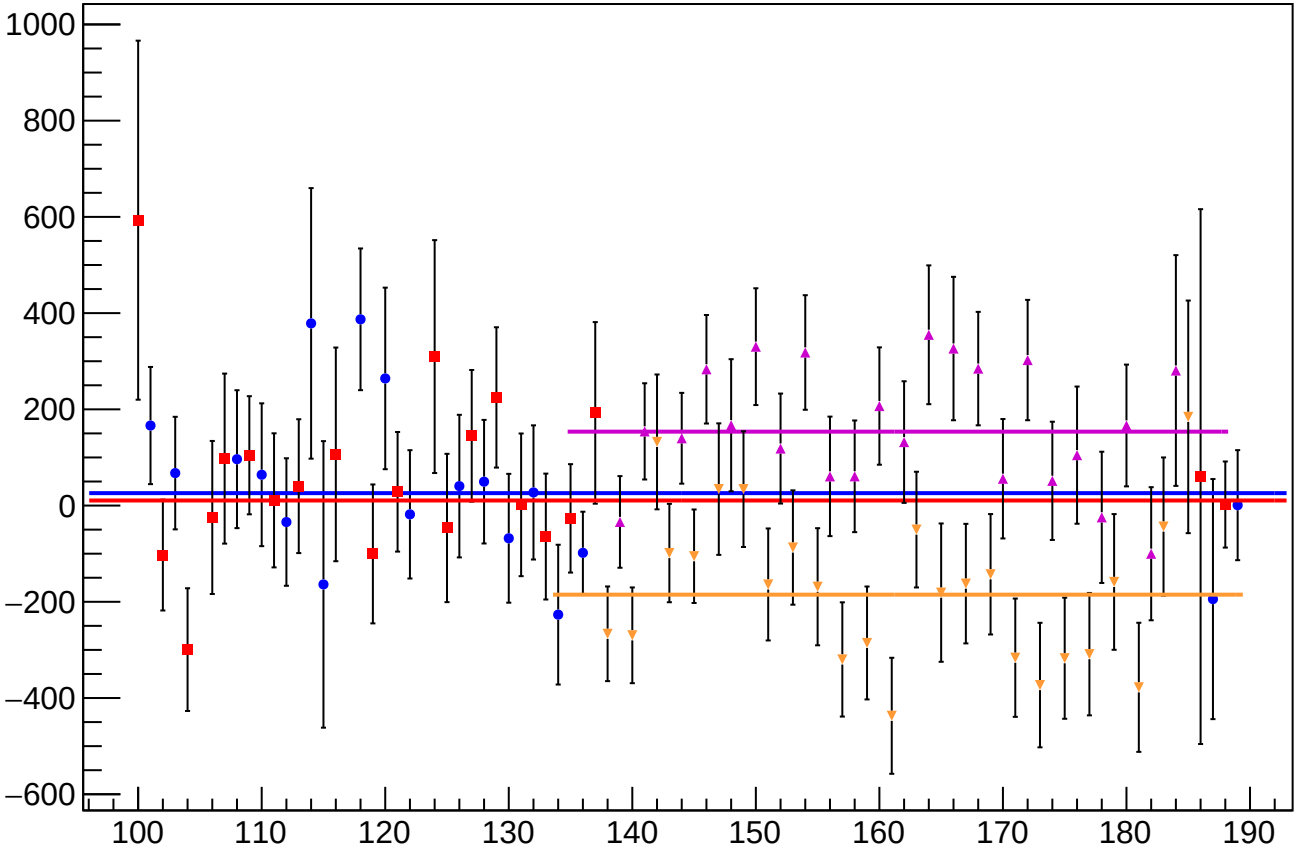
Left In: 644.072+/-0.108 χ^2/NDF:559119.9/22

+ sign 659.398+/-0.091 χ^2/NDF: 1398660.9/42

All: 656.500+/-0.064 χ^2/NDF: 3595062.7/86

- sign 653.588+/-0.091 χ^2/NDF: 2194355.6/43

cor_asym_sam_15_dd_mean vs Slug



Right In: 25.852+/-32.683 χ^2/NDF: 18.2/17

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: 10.572+/-31.363 χ^2/NDF: 17.2/20

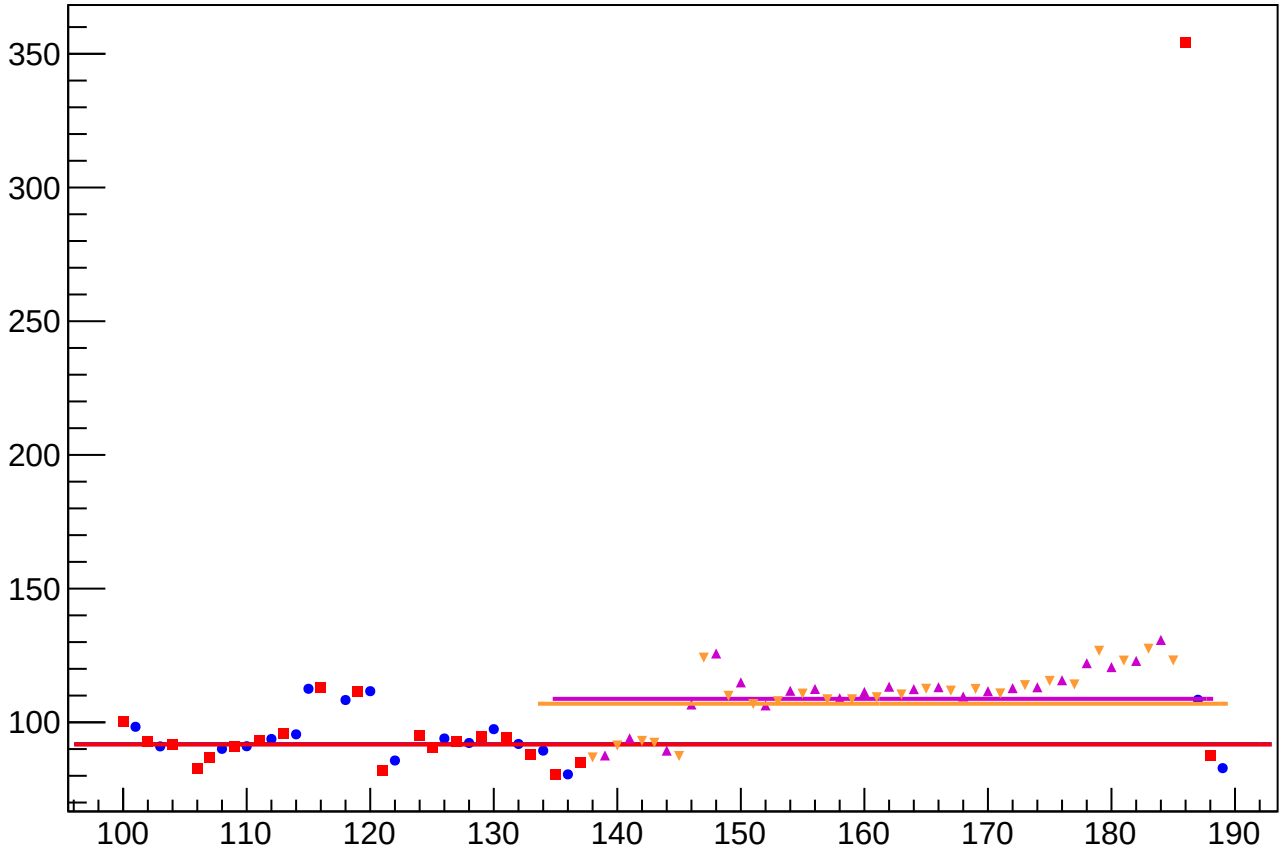
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -109.427+/-19.579 χ^2/NDF: 77.9/42

All: -7.588+/-13.923 χ^2/NDF: 185.9/86

- sign 96.596+/-19.803 χ^2/NDF: 53.2/43

cor_asym_sam_15_dd_rms vs Slug



Right In: 91.808+/-0.023 χ^2/NDF: 128580.2/17

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 91.730+/-0.022 χ^2/NDF: 554947.3/20

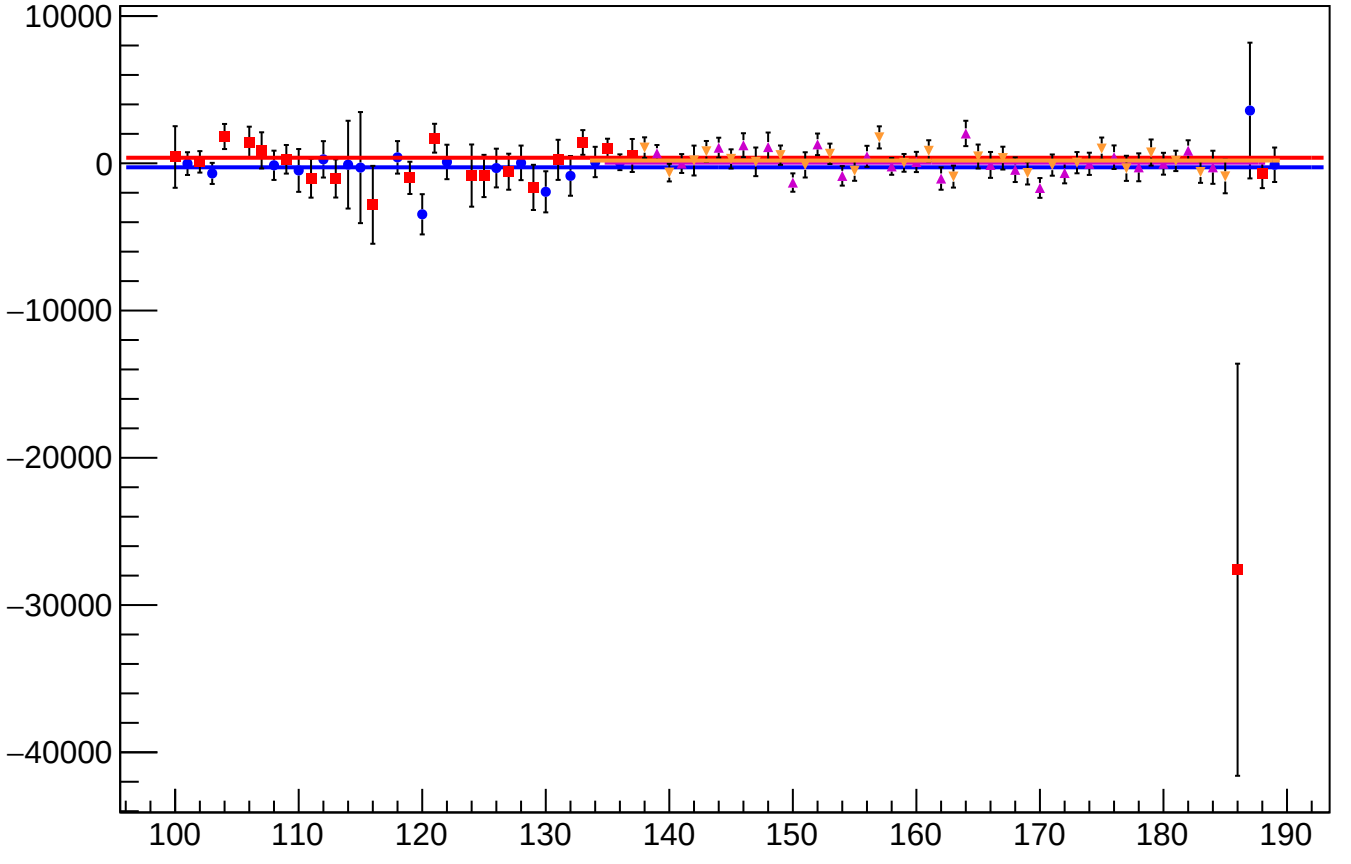
Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

\+ sign 101.519+/-0.014 χ^2/NDF: 868218.3/42

All: 101.748+/-0.010 χ^2/NDF: 2137594.8/86

\- sign 101.983+/-0.014 χ^2/NDF: 1268820.9/43

asym_sam_15_dd_cor_correction_mean vs Slug



Right In: -272.042+/-253.145 χ^2/NDF: 9.5/17

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: 377.738+/-241.595 χ^2/NDF: 22.4/20

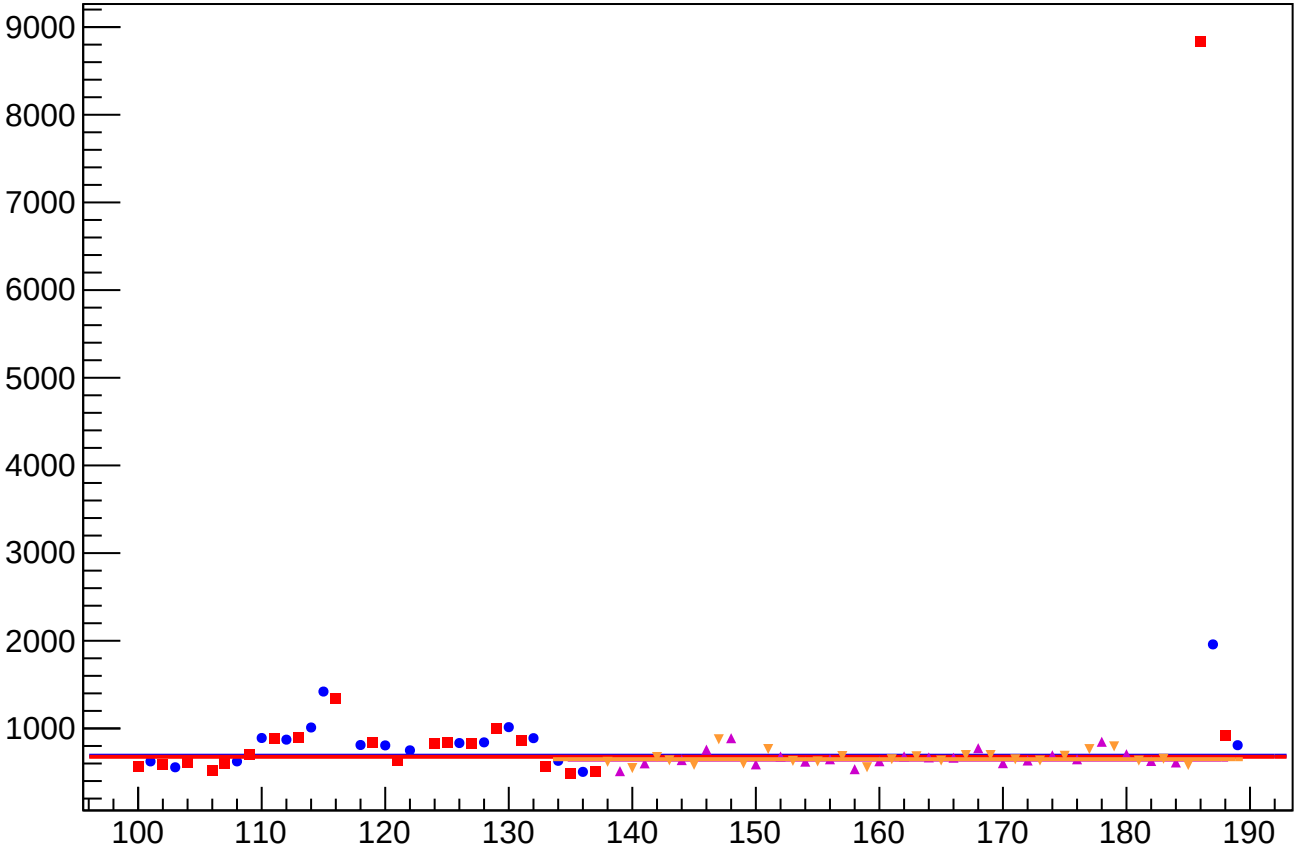
Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

+ sign 68.691+/-128.292 χ^2/NDF: 31.0/42

All: 103.317+/-90.857 χ^2/NDF: 88.7/86

- sign 138.158+/-128.691 χ^2/NDF: 57.5/43

asym_sam_15_dd_cor_correction_rms vs Slug



Right In: 688.937+/-0.179 χ^2/NDF: 943653.0/17

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 676.759+/-0.171 χ^2/NDF: 1618734.2/20

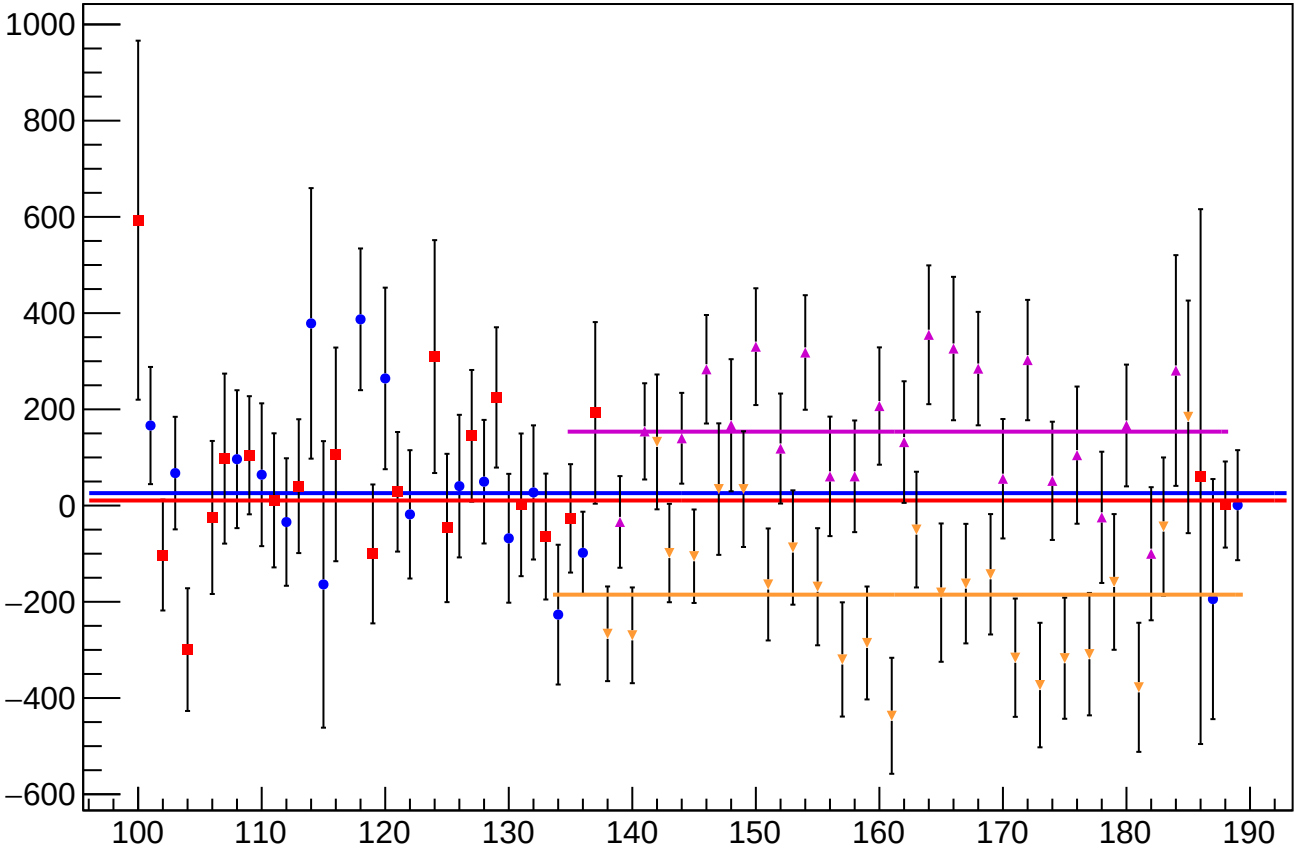
Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

+ sign 659.398+/-0.091 χ^2/NDF: 1398662.7/42

All: 656.382+/-0.064 χ^2/NDF: 3604957.3/86

- sign 653.347+/-0.091 χ^2/NDF: 2204076.6/43

eigen_cor_asym_sam_15_dd_mean vs Slug



Right In: 25.852+/-32.683 χ^2/NDF: 18.2/17

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: 10.572+/-31.363 χ^2/NDF: 17.2/20

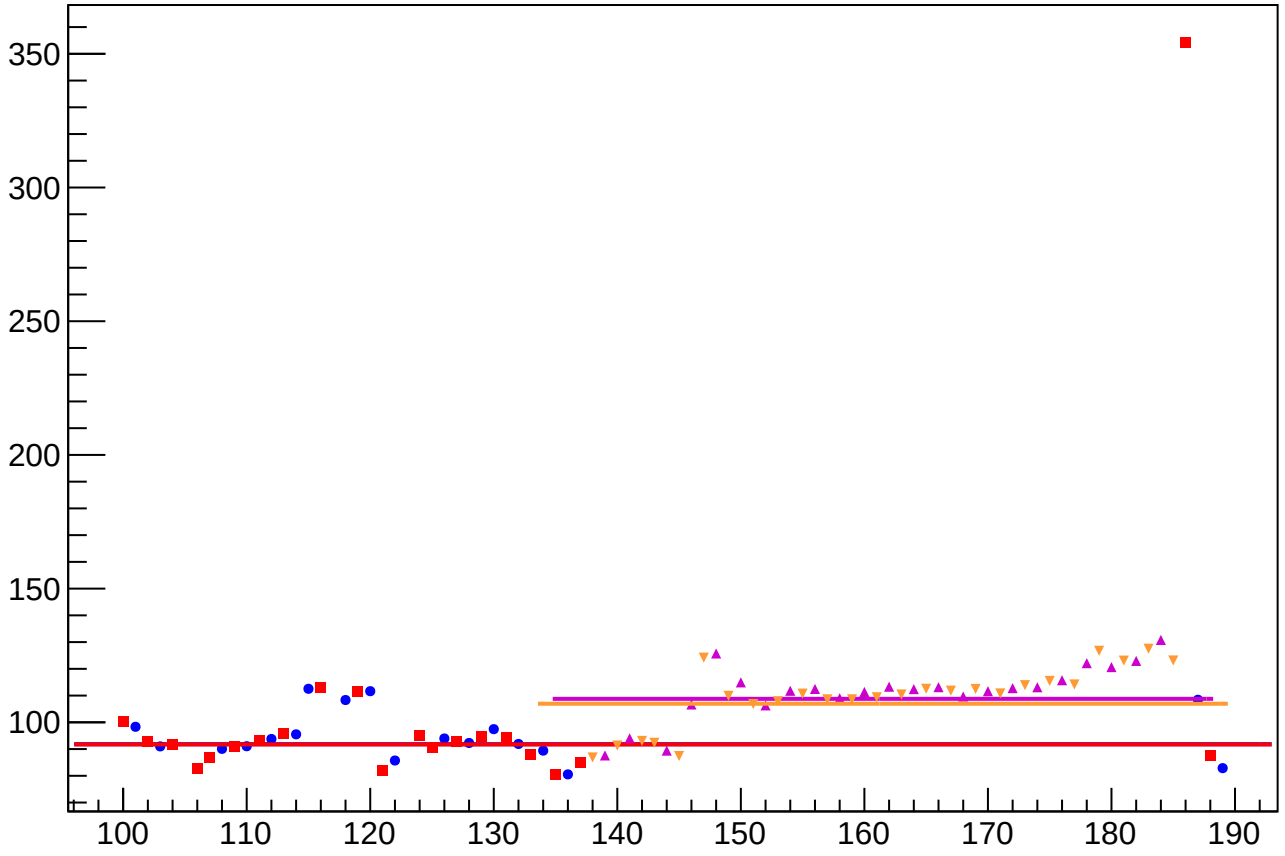
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -109.427+/-19.579 χ^2/NDF: 77.9/42

All: -7.588+/-13.923 χ^2/NDF: 185.9/86

- sign 96.596+/-19.803 χ^2/NDF: 53.2/43

eigen_cor_asym_sam_15_dd_rms vs Slug



Right In: 91.808+/-0.023 χ^2/NDF: 128580.2/17

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

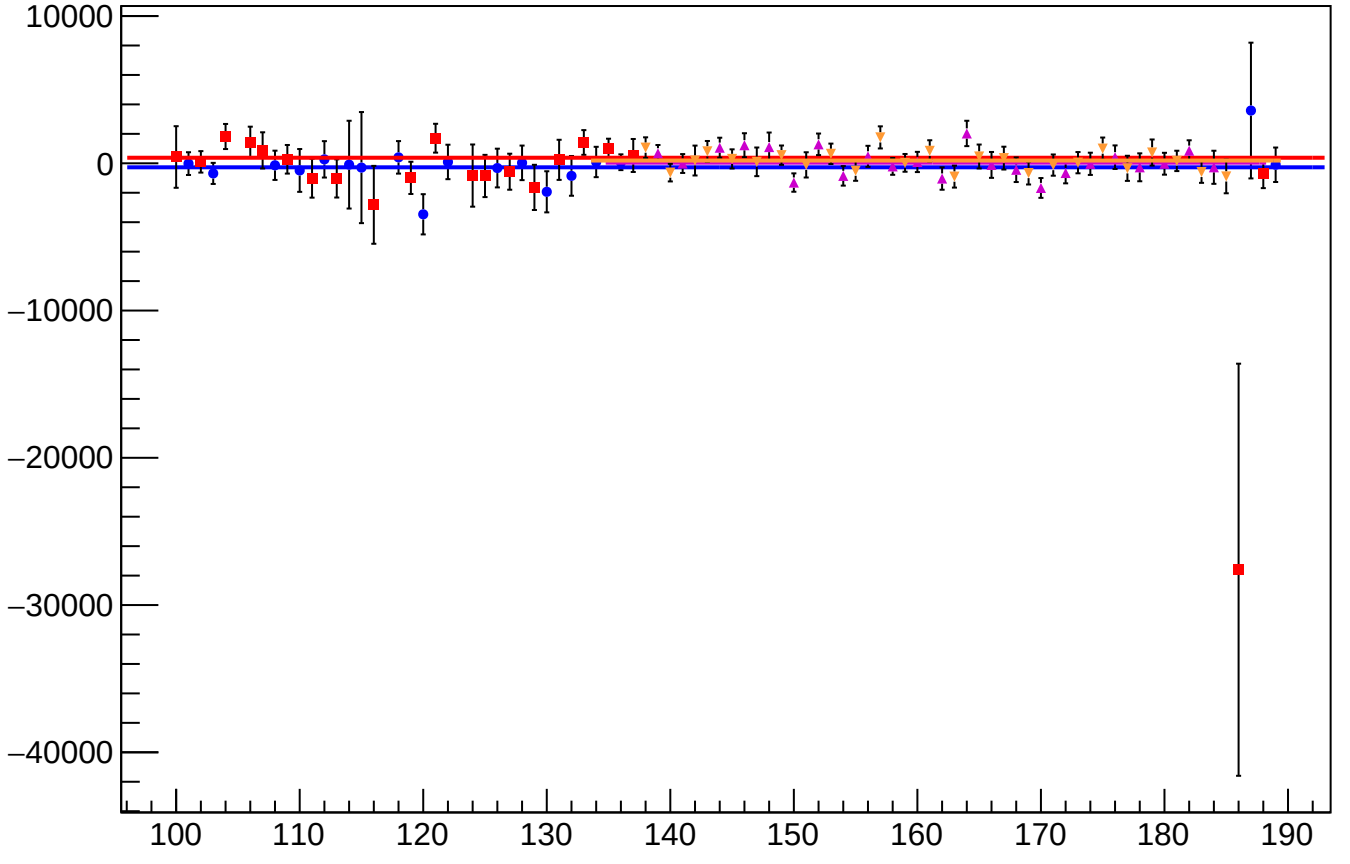
Right Out: 91.730+/-0.022 χ^2/NDF: 554947.3/20

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

+ sign 101.519+/-0.014 χ^2/NDF: 868218.3/42

All: 101.748+/-0.010 χ^2/NDF: 2137594.8/86

- sign 101.983+/-0.014 χ^2/NDF: 1268820.9/43



Right In: -272.042+/-253.145 χ^2/NDF: 9.5/17

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: 377.738+/-241.595 χ^2/NDF: 22.4/20

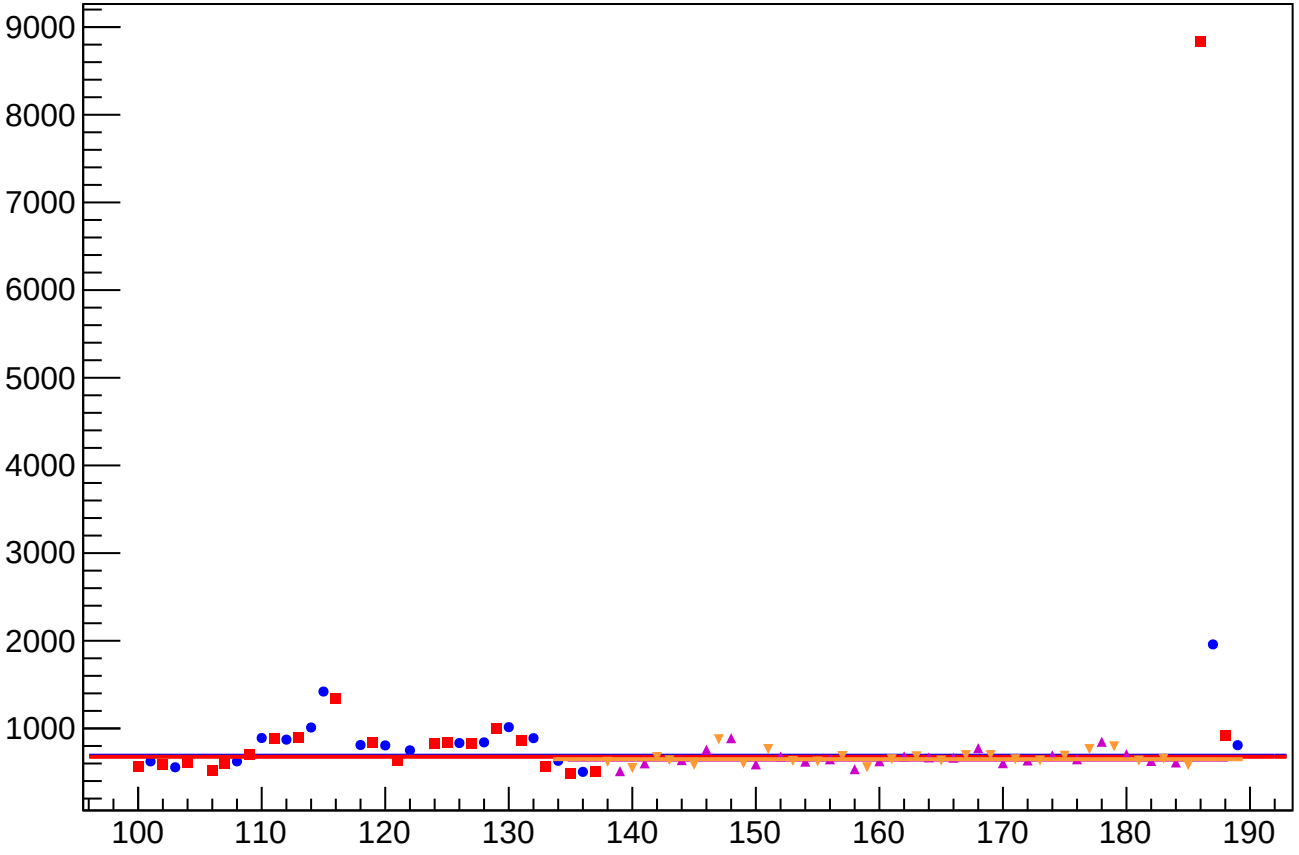
Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

+ sign 68.691+/-128.292 χ^2/NDF: 31.0/42

All: 103.317+/-90.857 χ^2/NDF: 88.7/86

- sign 138.158+/-128.691 χ^2/NDF: 57.5/43

asym_sam_15_dd_eigen_cor_correction_rms vs Slug



Right In: 688.937+/-0.179 χ^2/NDF: 943653.0/17

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

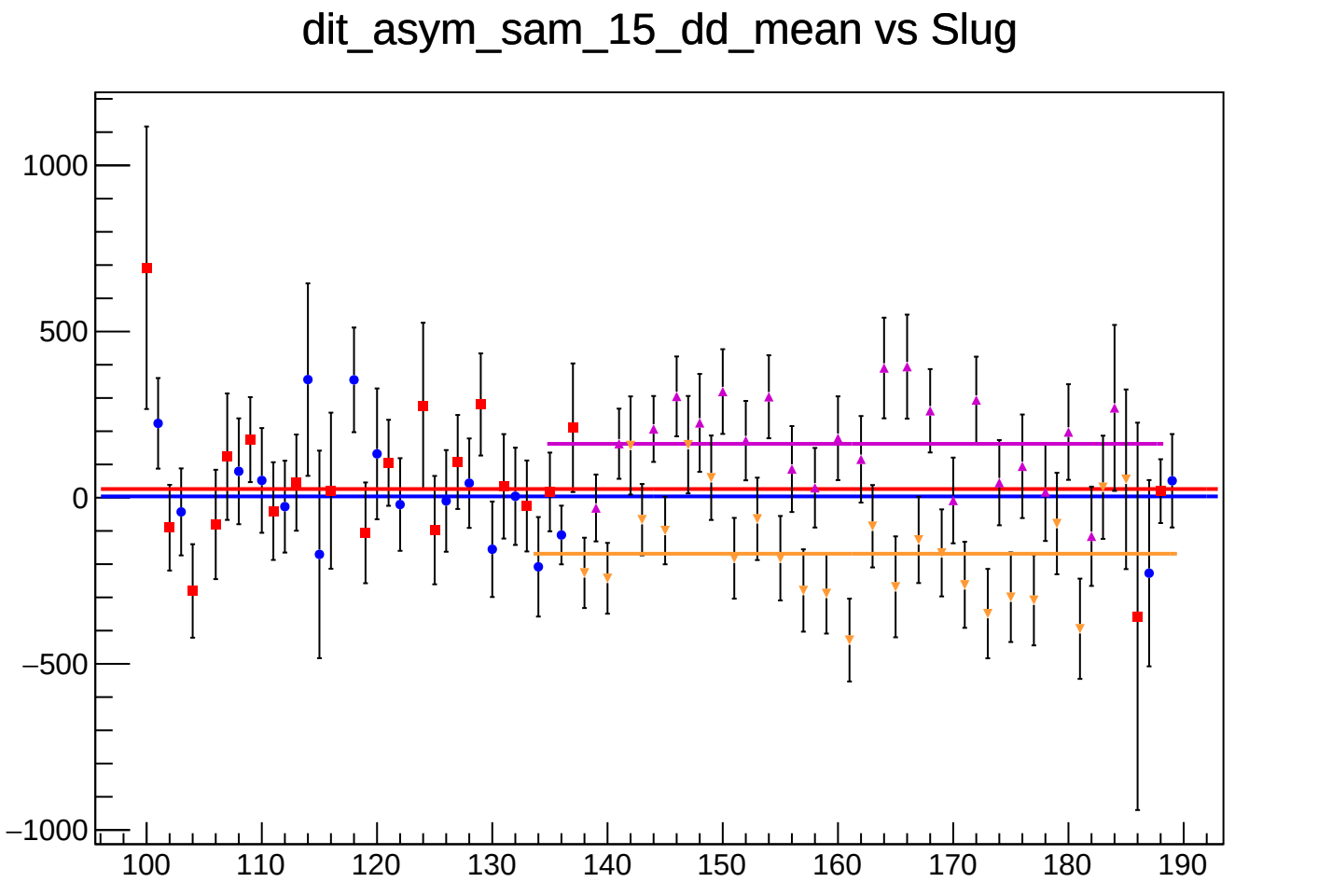
Right Out: 676.759+/-0.171 χ^2/NDF: 1618734.2/20

Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

+ sign 659.398+/-0.091 χ^2/NDF: 1398662.7/42

All: 656.382+/-0.064 χ^2/NDF: 3604957.3/86

- sign 653.347+/-0.091 χ^2/NDF: 2204076.6/43


dit_asym_sam_15_dd_mean vs Slug
1000
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−500
−1000
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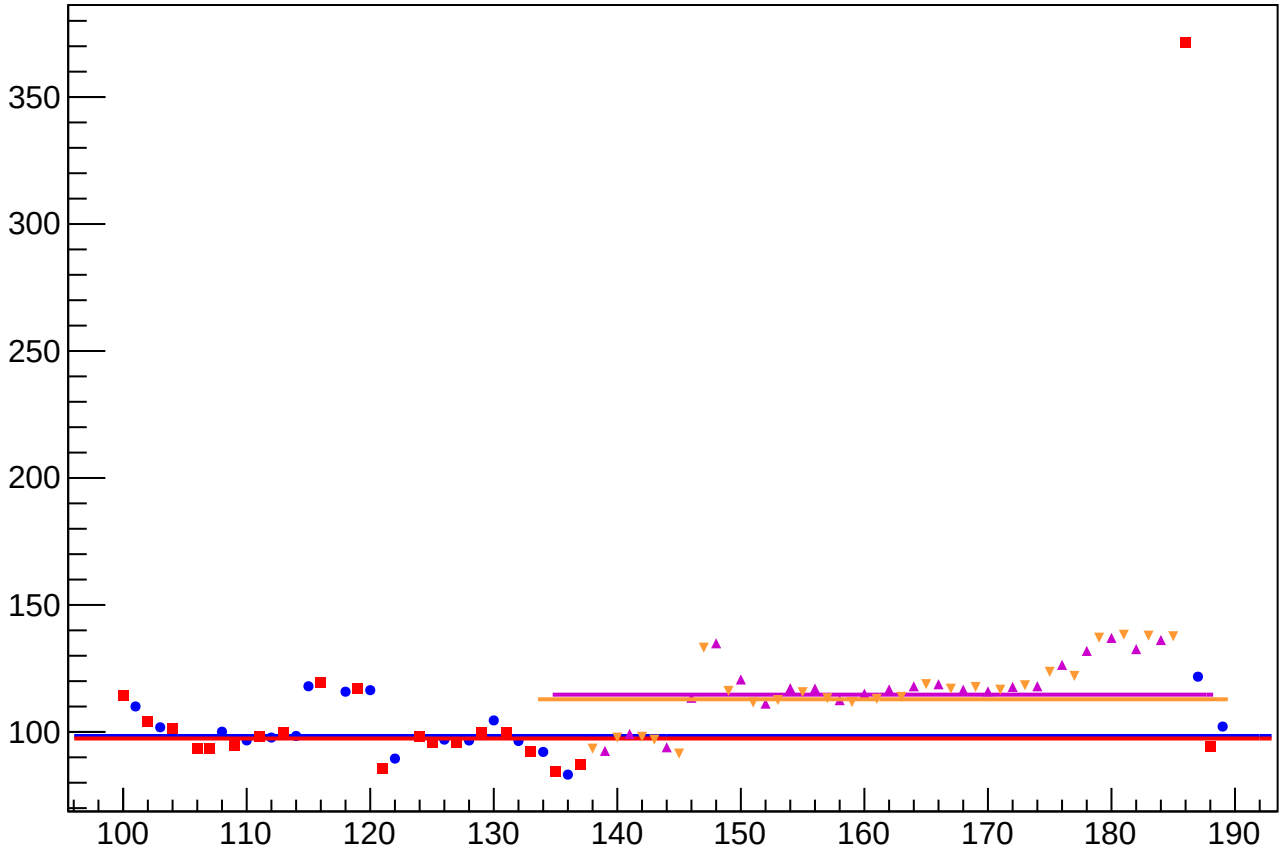
140
150
160
170
180
190
Right In: 3.869+/-35.059 χ²/NDF: 16.1/17
Left Out: -168.634+/-25.819 χ²/NDF:32.4/24
Right Out: 26.108+/-33.214 χ²/NDF: 17.5/20
Left In: 162.028+/-26.948 χ²/NDF:23.6/22
+ sign -107.975+/-20.790 χ²/NDF: 64.2/42
All: -0.657+/-14.749 χ²/NDF: 169.1/86
- sign 108.074+/-20.926 χ²/NDF: 51.2/43

dit_asym_sam_15_dd_rms vs Slug



Right In: 98.403+/-0.025 χ^2/NDF: 156567.2/17

Left Out: 112.850+/-0.018 χ^2/NDF:512260.6/24

Right Out: 97.413+/-0.023 χ^2/NDF: 559955.1/20

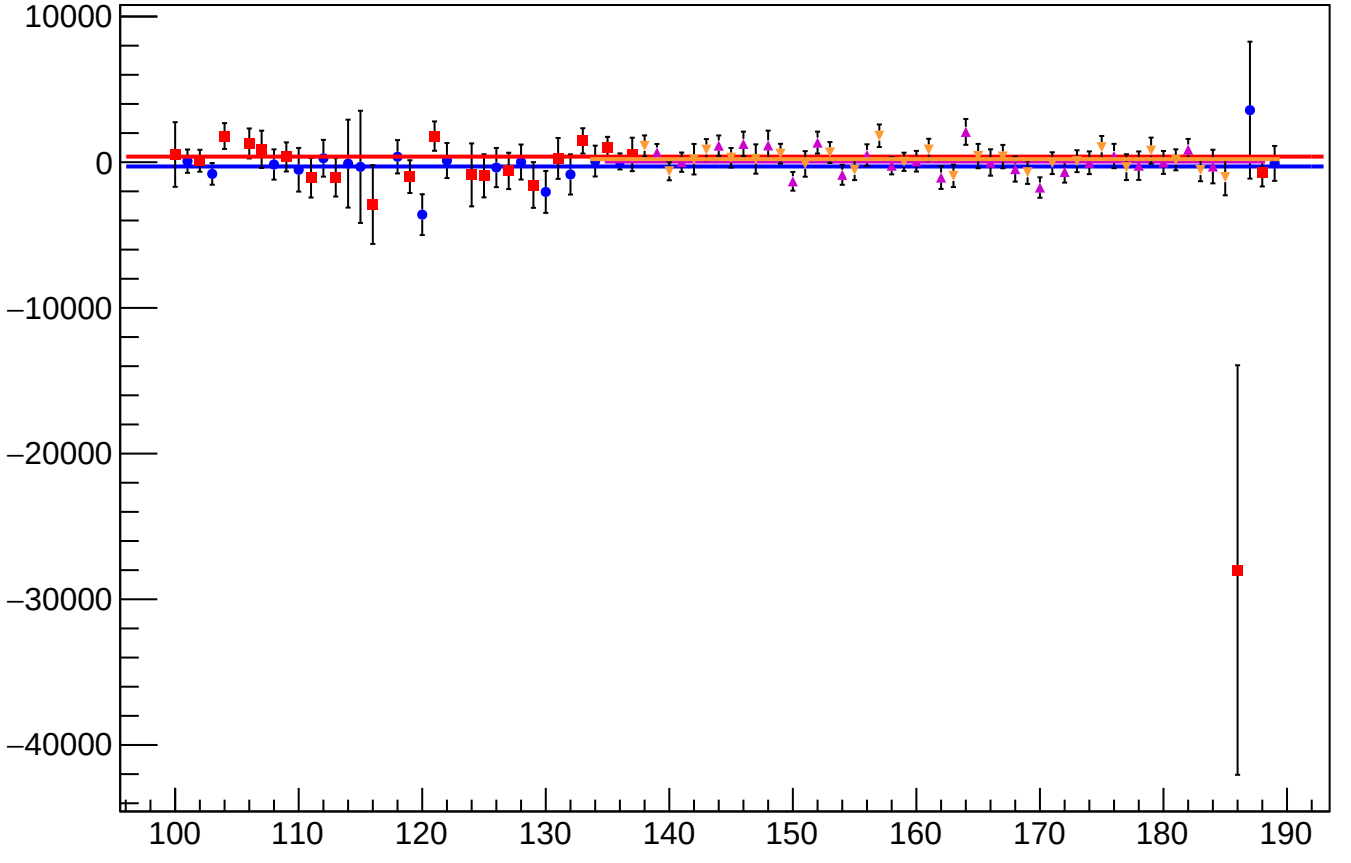
Left In: 114.677+/-0.019 χ^2/NDF:409932.2/22

\+ sign 107.769+/-0.015 χ^2/NDF: 889014.0/42

All: 107.797+/-0.010 χ^2/NDF: 2184747.4/86

\- sign 107.824+/-0.015 χ^2/NDF: 1295726.6/43

asym_sam_15_dd_dit_correction_mean vs Slug



Right In: -293.466+/-260.680 χ^2/NDF: 9.9/17

Left Out: 209.377+/-153.925 χ^2/NDF:18.9/24

Right Out: 384.137+/-248.333 χ^2/NDF: 21.8/20

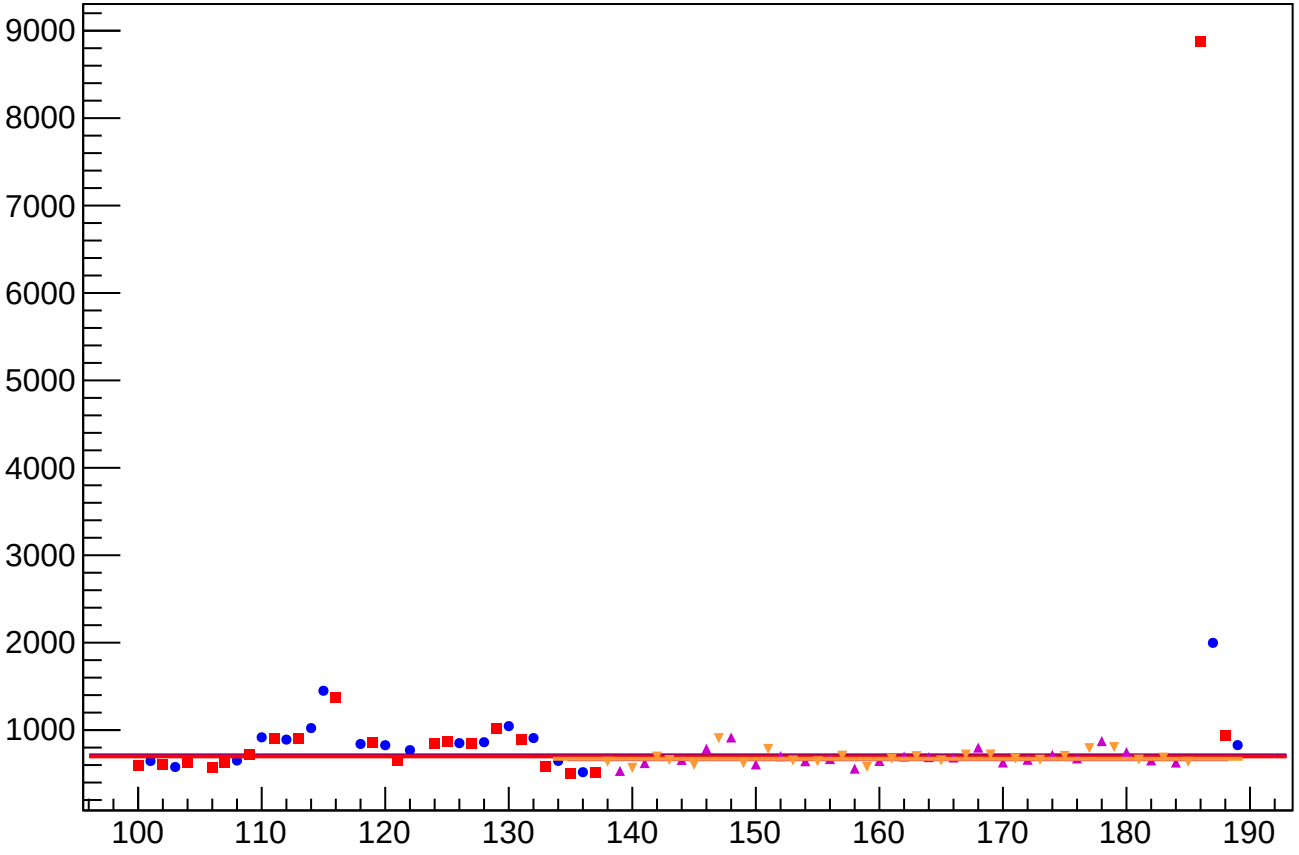
Left In: 50.266+/-157.485 χ^2/NDF:33.3/22

+ sign 79.380+/-132.544 χ^2/NDF: 31.5/42

All: 112.590+/-93.882 χ^2/NDF: 88.1/86

- sign 146.027+/-132.996 χ^2/NDF: 56.4/43

asym_sam_15_dd_dit_correction_rms vs Slug



Right In: 710.041+/-0.184 χ^2/NDF: 926140.1/17

Left Out: 671.849+/-0.109 χ^2/NDF:399159.9/24

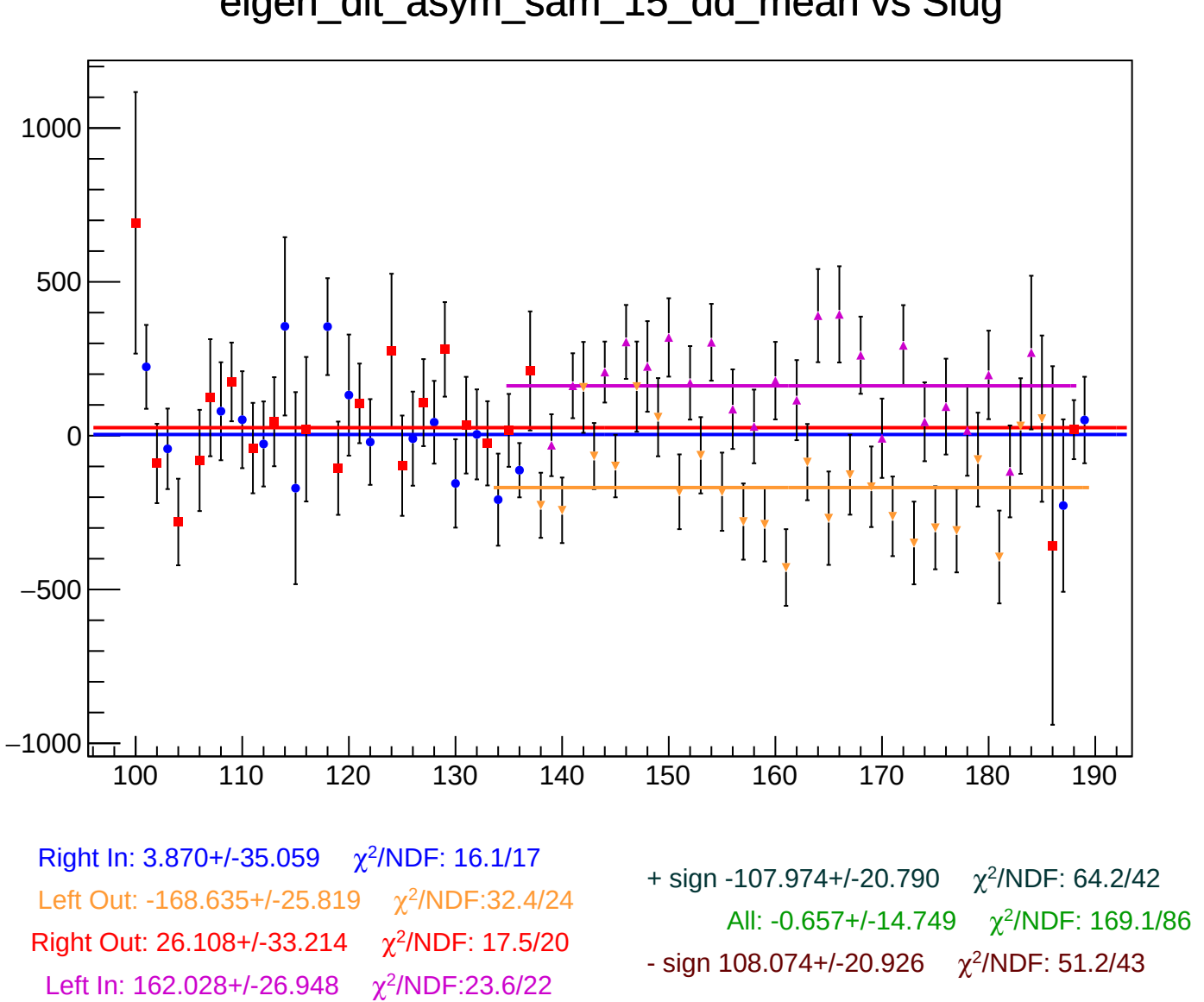
Right Out: 699.644+/-0.176 χ^2/NDF: 1570171.8/20

Left In: 667.341+/-0.111 χ^2/NDF:546903.6/22

+ sign 681.722+/-0.094 χ^2/NDF: 1357132.5/42

All: 679.173+/-0.066 χ^2/NDF: 3499827.5/86

- sign 676.606+/-0.094 χ^2/NDF: 2141210.4/43


eigen_dit_asym_sam_15_dd_mean vs Slug
1000
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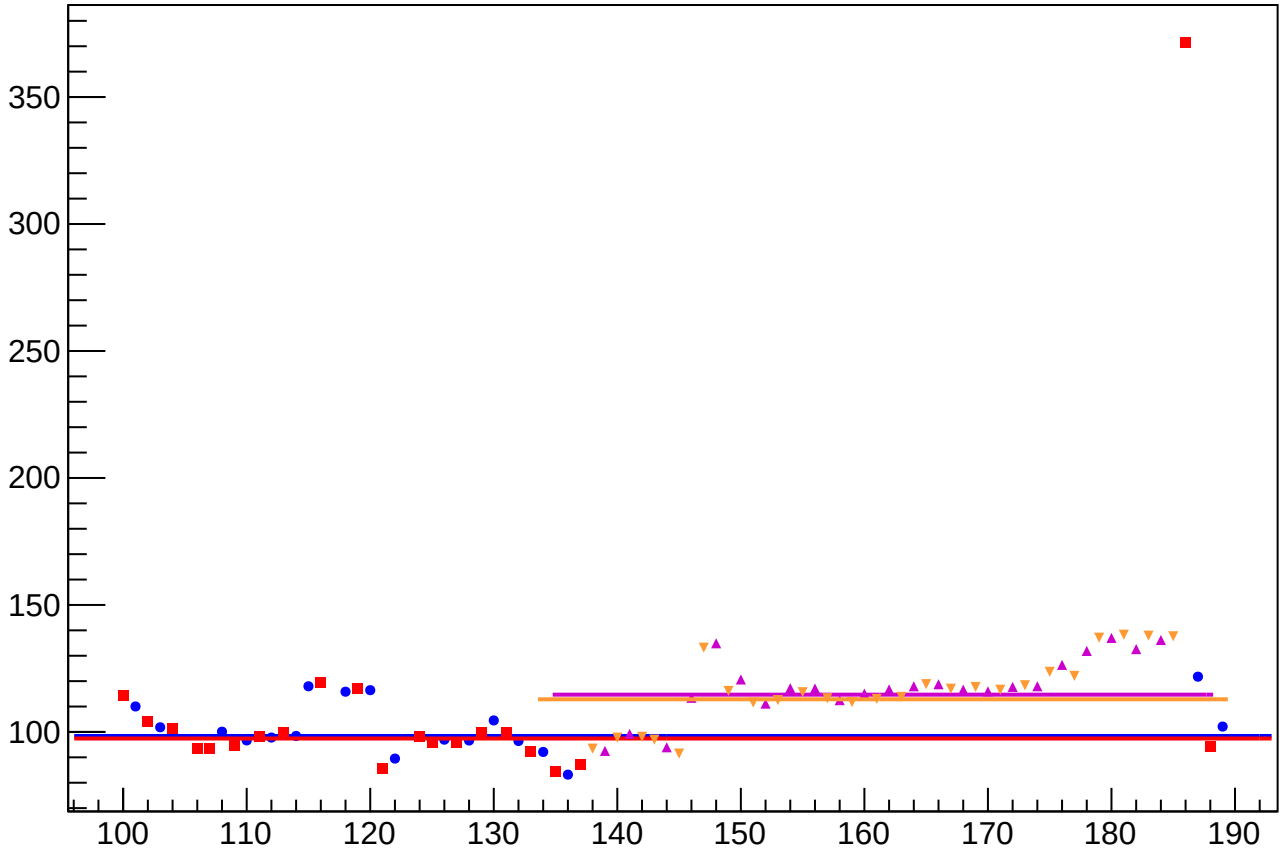
180
190
Right In: 3.870+/-35.059 χ²/NDF: 16.1/17
Left Out: -168.635+/-25.819 χ²/NDF:32.4/24
Right Out: 26.108+/-33.214 χ²/NDF: 17.5/20
Left In: 162.028+/-26.948 χ²/NDF:23.6/22
+ sign -107.974+/-20.790 χ²/NDF: 64.2/42
All: -0.657+/-14.749 χ²/NDF: 169.1/86
- sign 108.074+/-20.926 χ²/NDF: 51.2/43

eigen_dit_asym_sam_15_dd_rms vs Slug



Right In: 98.402+/-0.025 χ^2/NDF: 156569.8/17

Left Out: 112.850+/-0.018 χ^2/NDF:512254.2/24

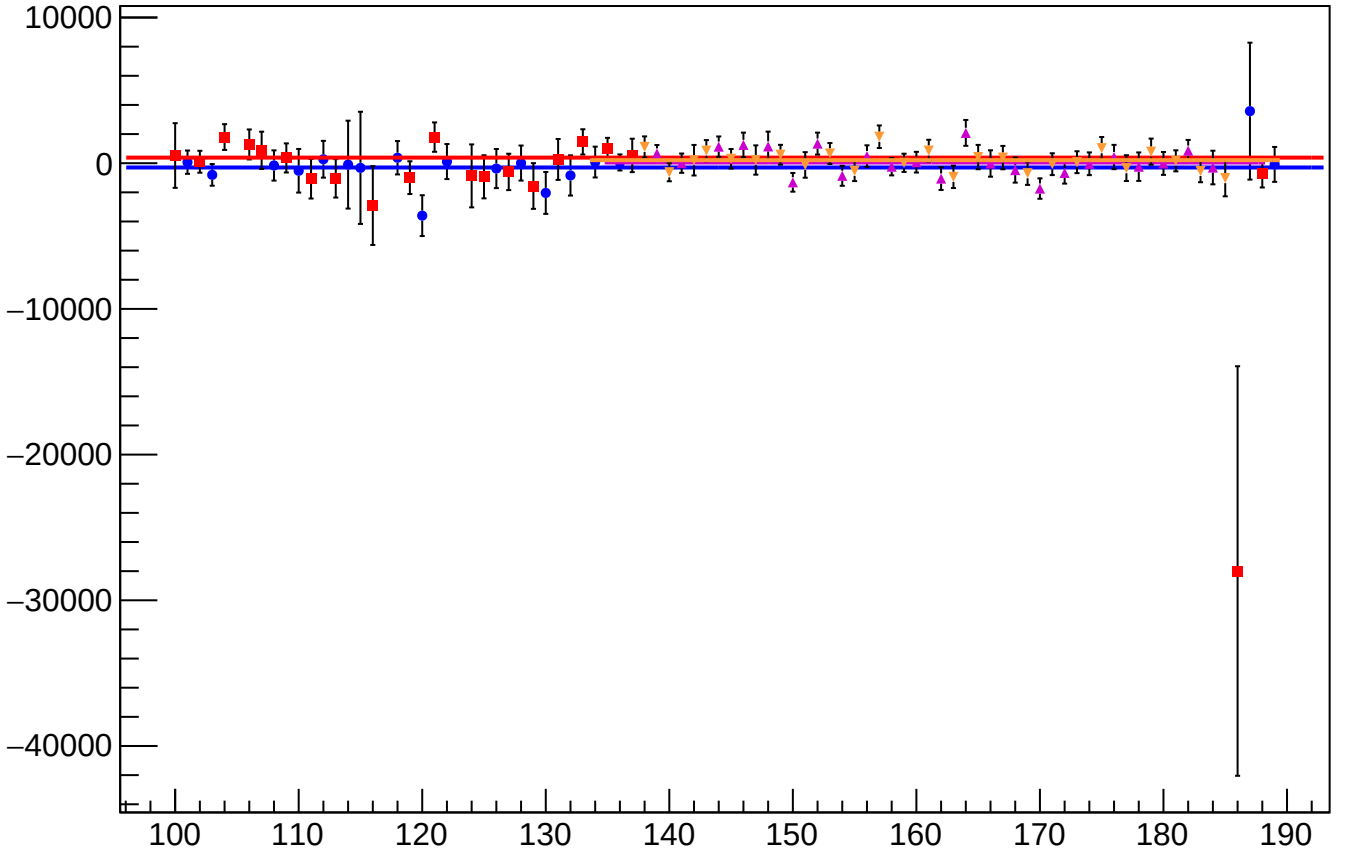
Right Out: 97.413+/-0.023 χ^2/NDF: 559953.1/20

Left In: 114.677+/-0.019 χ^2/NDF:409929.2/22

+ sign 107.769+/-0.015 χ^2/NDF: 889017.7/42

All: 107.797+/-0.010 χ^2/NDF: 2184759.2/86

- sign 107.824+/-0.015 χ^2/NDF: 1295734.6/43



Right In: -293.465+/-260.680 χ^2/NDF: 9.9/17

Left Out: 209.377+/-153.926 χ^2/NDF:18.9/24

Right Out: 384.137+/-248.332 χ^2/NDF: 21.8/20

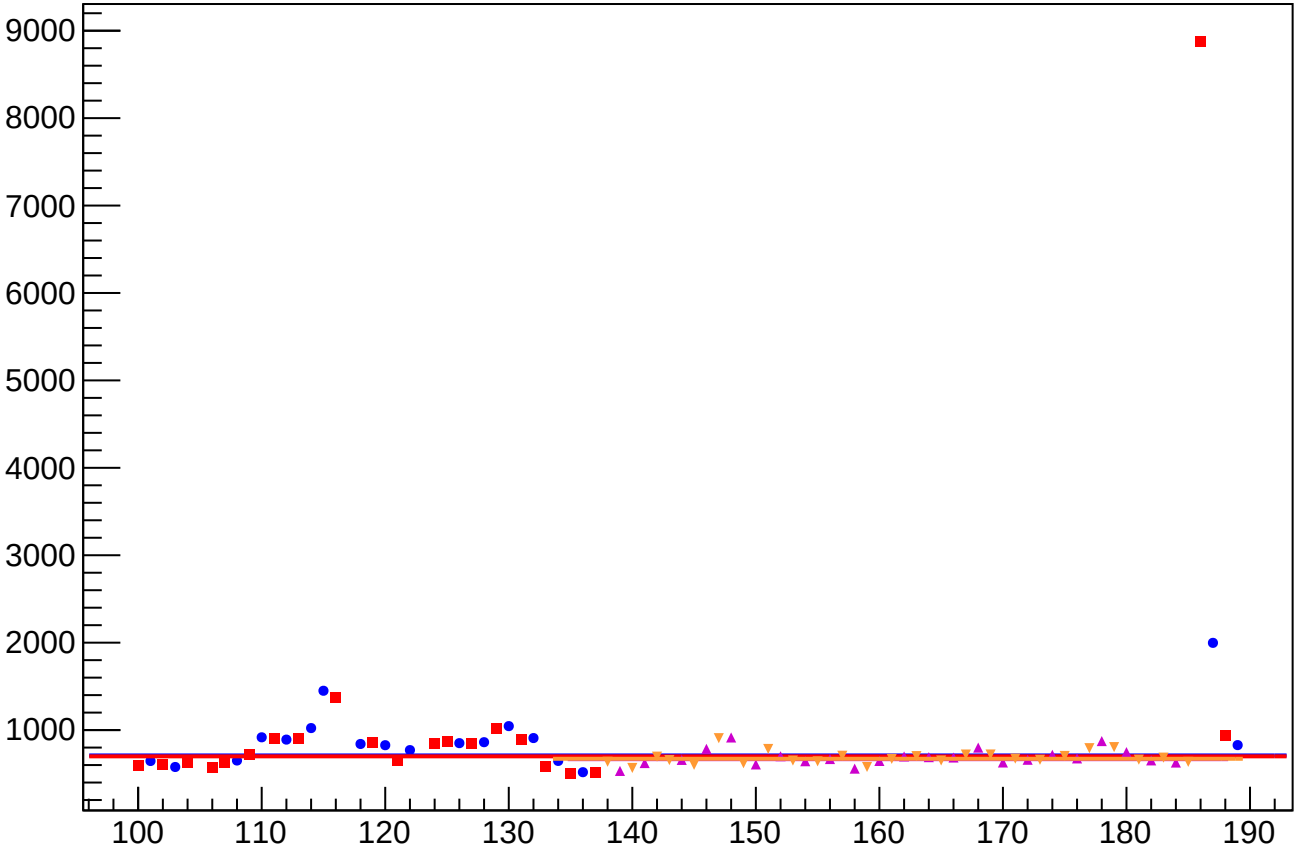
Left In: 50.267+/-157.485 χ^2/NDF:33.3/22

+ sign 79.379+/-132.544 χ^2/NDF: 31.5/42

All: 112.590+/-93.882 χ^2/NDF: 88.1/86

- sign 146.028+/-132.996 χ^2/NDF: 56.4/43

asym_sam_15_dd_eigen_dit_correction_rms vs Slug



Right In: 710.040+/-0.184 χ^2/NDF: 926144.4/17

Left Out: 671.849+/-0.109 χ^2/NDF:399160.3/24

Right Out: 699.643+/-0.176 χ^2/NDF: 1570177.9/20

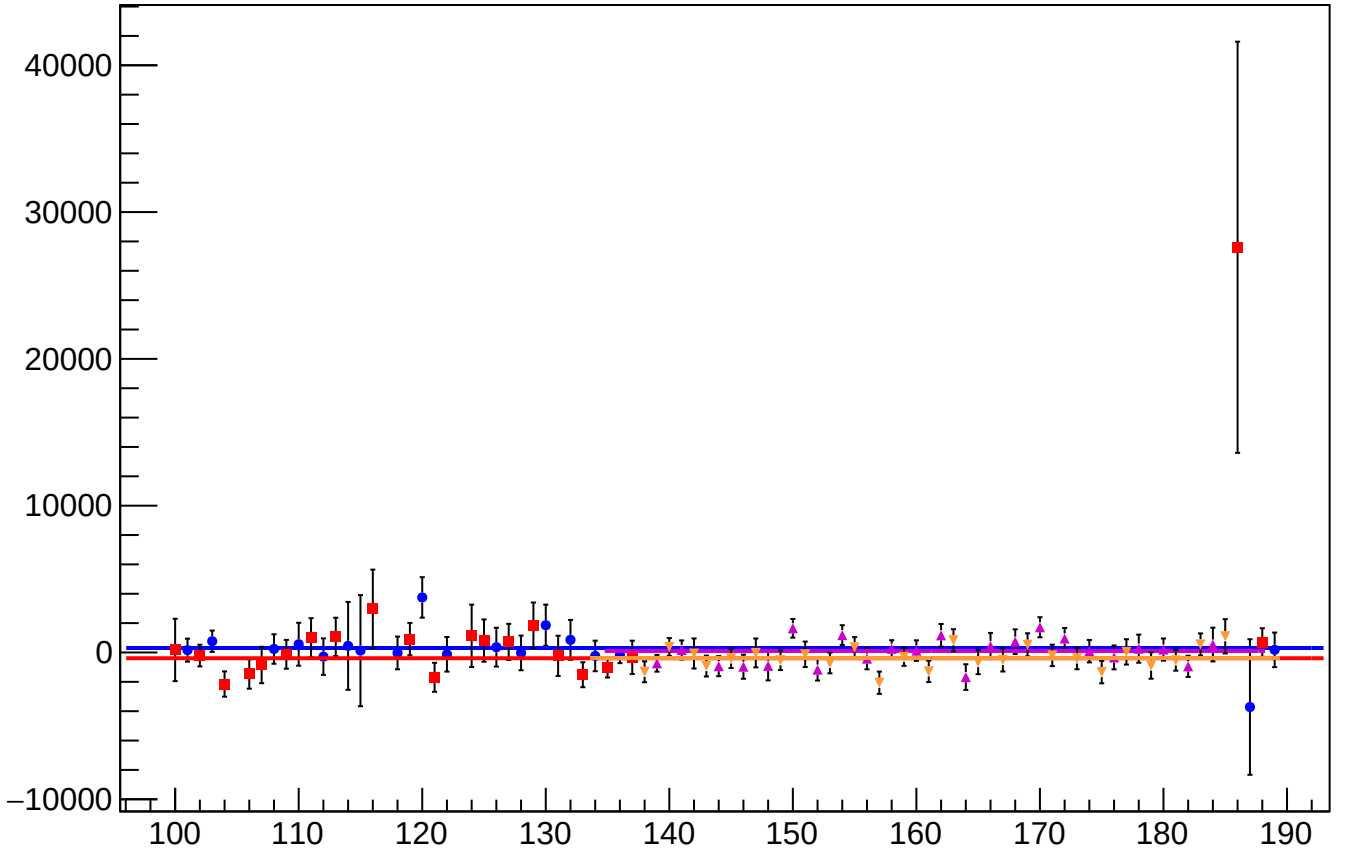
Left In: 667.342+/-0.111 χ^2/NDF:546905.8/22

+ sign 681.722+/-0.094 χ^2/NDF: 1357134.1/42

All: 679.173+/-0.066 χ^2/NDF: 3499834.3/86

- sign 676.606+/-0.094 χ^2/NDF: 2141215.5/43

asym_sam_15_dd_mean vs Slug



Right In: 304.015+/-255.664 χ^2/NDF: 10.5/17

Left Out: -377.221+/-150.952 χ^2/NDF:21.4/24

Right Out: -392.715+/-243.297 χ^2/NDF: 24.7/20

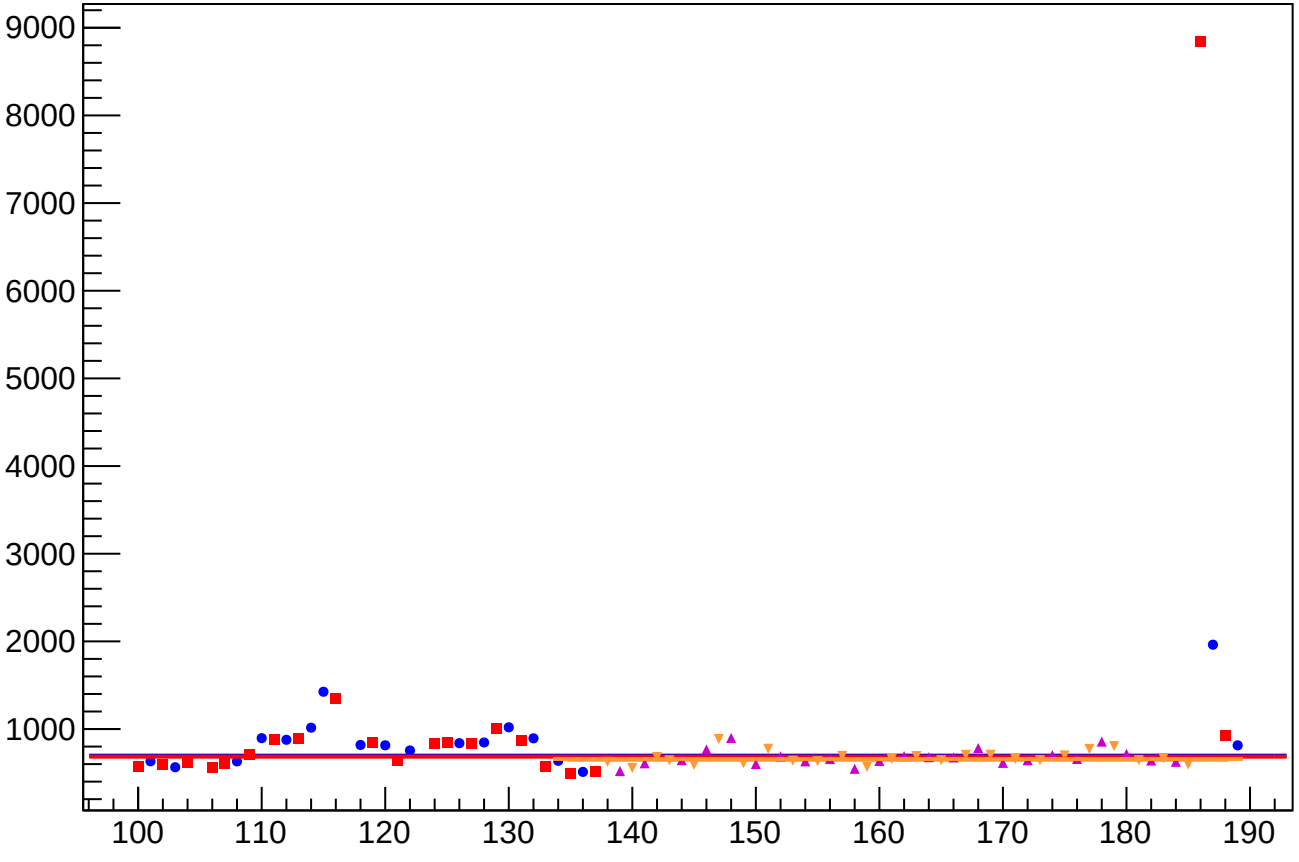
Left In: 103.321+/-154.335 χ^2/NDF:35.5/22

+ sign -201.125+/-129.985 χ^2/NDF: 37.2/42

All: -120.279+/-92.034 χ^2/NDF: 101.1/86

- sign -39.009+/-130.325 χ^2/NDF: 63.2/43

asym_sam_15_dd_rms vs Slug



Right In: 696.331+/-0.181 χ^2/NDF: 922718.4/17

Left Out: 658.672+/-0.107 χ^2/NDF:409684.4/24

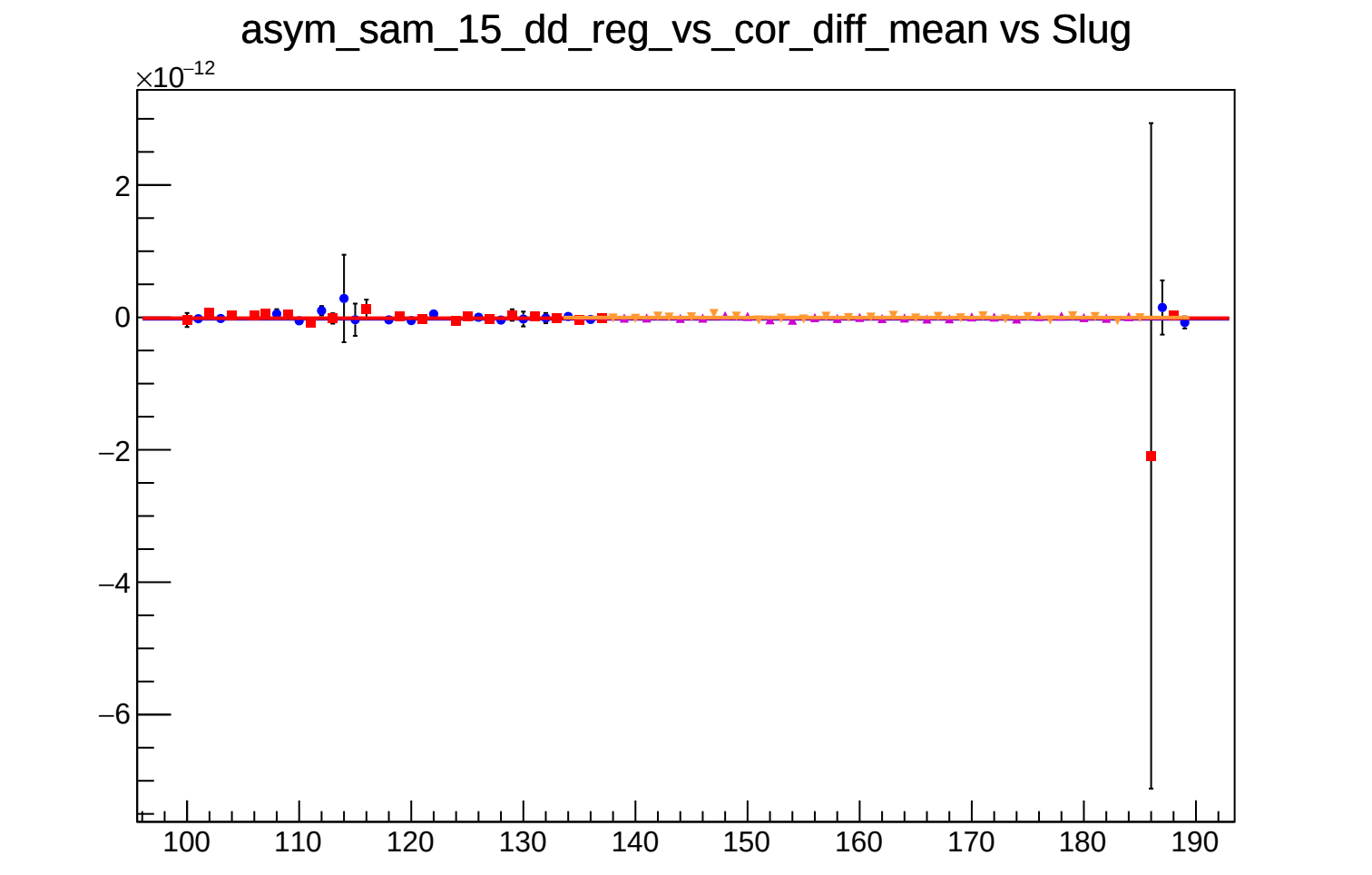
Right Out: 685.027+/-0.172 χ^2/NDF: 1584120.9/20

Left In: 653.950+/-0.109 χ^2/NDF:542078.1/22

+ sign 668.407+/-0.092 χ^2/NDF: 1364580.0/42

All: 665.644+/-0.065 χ^2/NDF: 3515858.3/86

- sign 662.867+/-0.092 χ^2/NDF: 2149466.6/43



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/17

Left Out: -0.000+/-0.000 χ^2/NDF:31.8/24

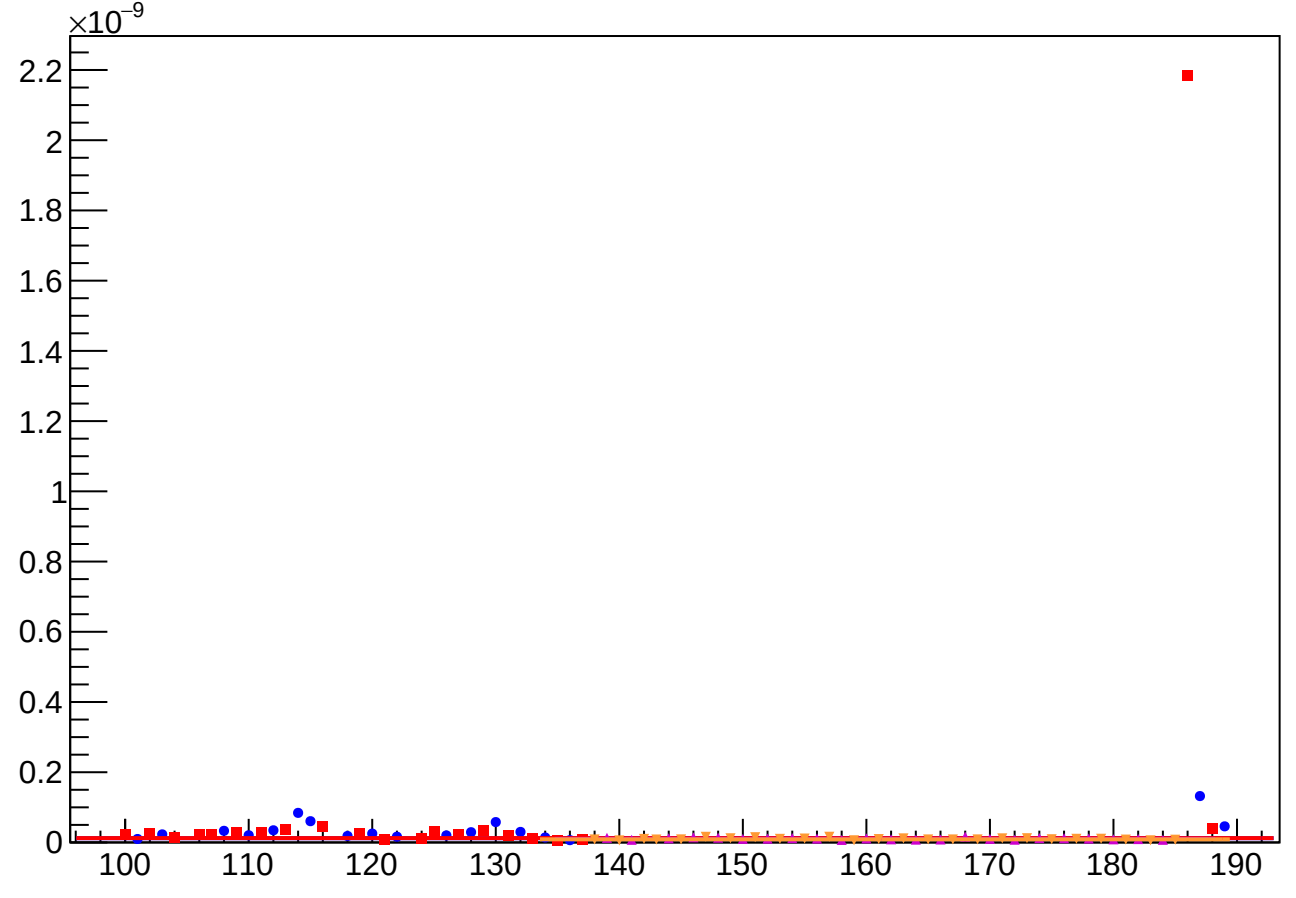
Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/20

Left In: -0.000+/-0.000 χ^2/NDF:15.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 47.4/42

All: -0.000+/-0.000 χ^2/NDF: 81.6/86

- sign -0.000+/-0.000 χ^2/NDF: 33.6/43



Right In: 0.000+/-0.000 χ^2/NDF: 2616054.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:1037287.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2967699.5/20

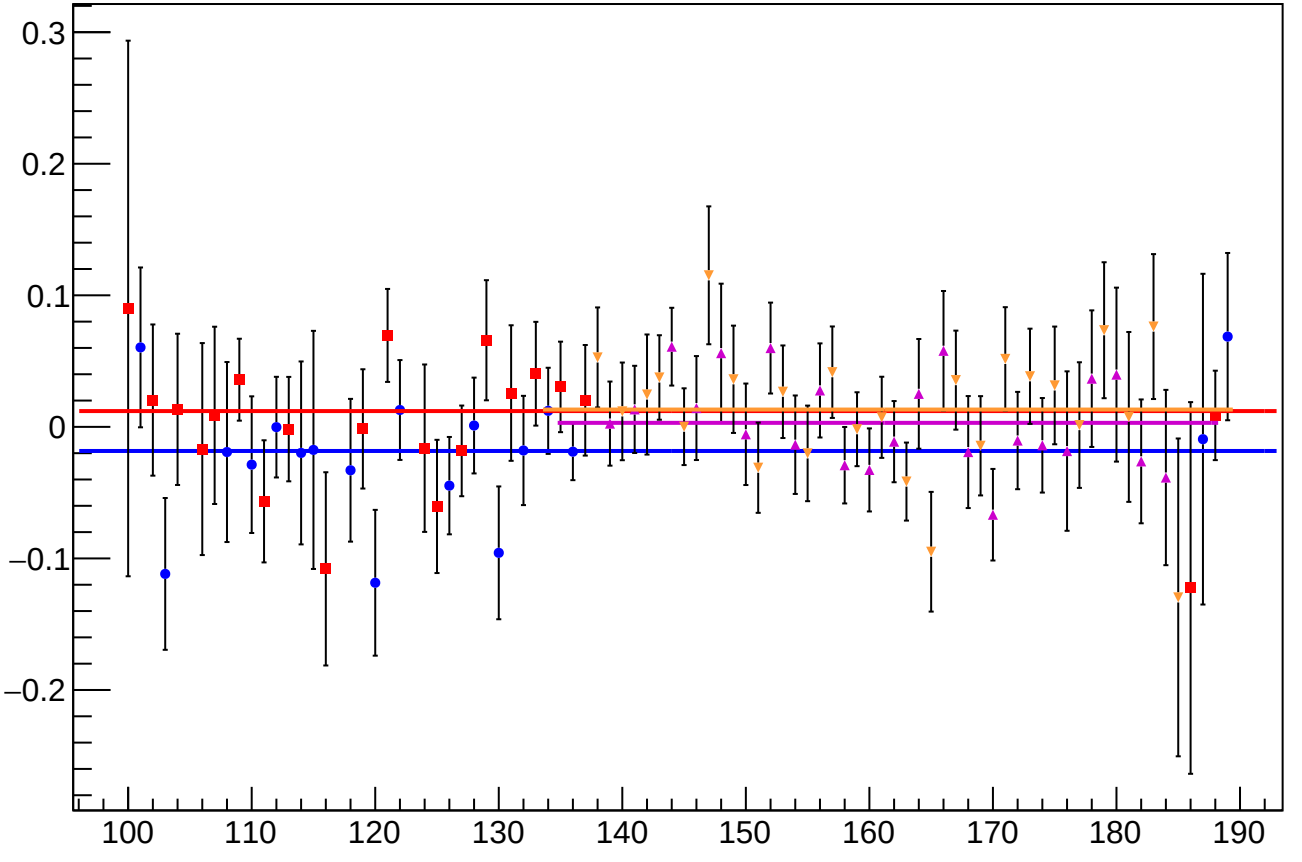
Left In: 0.000+/-0.000 χ^2/NDF:659247.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 3918098.4/42

All: 0.000+/-0.000 χ^2/NDF: 7792677.1/86

- sign 0.000+/-0.000 χ^2/NDF: 3751822.9/43

asym_sam_15_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.018+/-0.010 χ^2/NDF: 14.5/17

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: 0.012+/-0.010 χ^2/NDF: 14.8/20

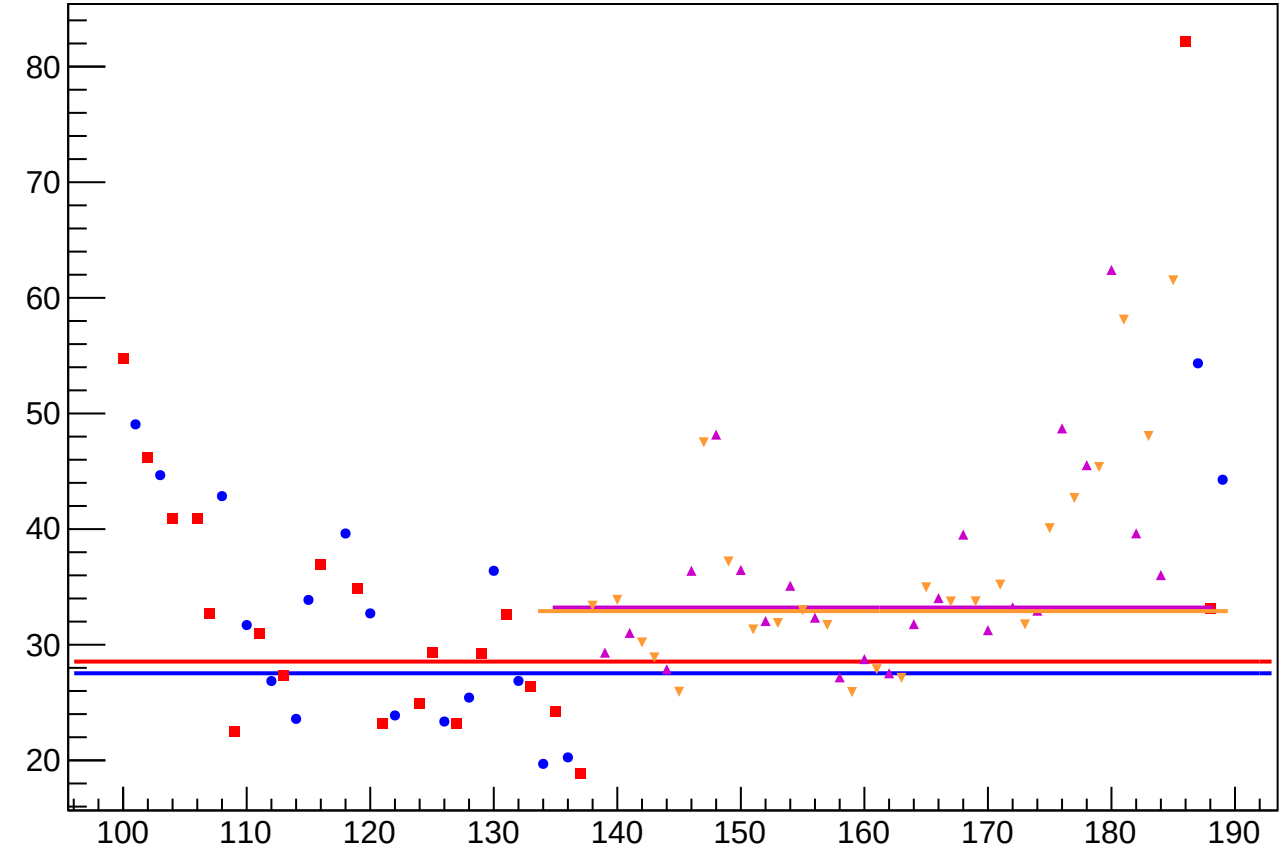
Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.002+/-0.006 χ^2/NDF: 45.8/42

All: 0.004+/-0.004 χ^2/NDF: 80.6/86

- sign 0.007+/-0.006 χ^2/NDF: 34.5/43

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug



Right In: 27.531+/-0.007 χ^2/NDF: 1357715.2/17

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

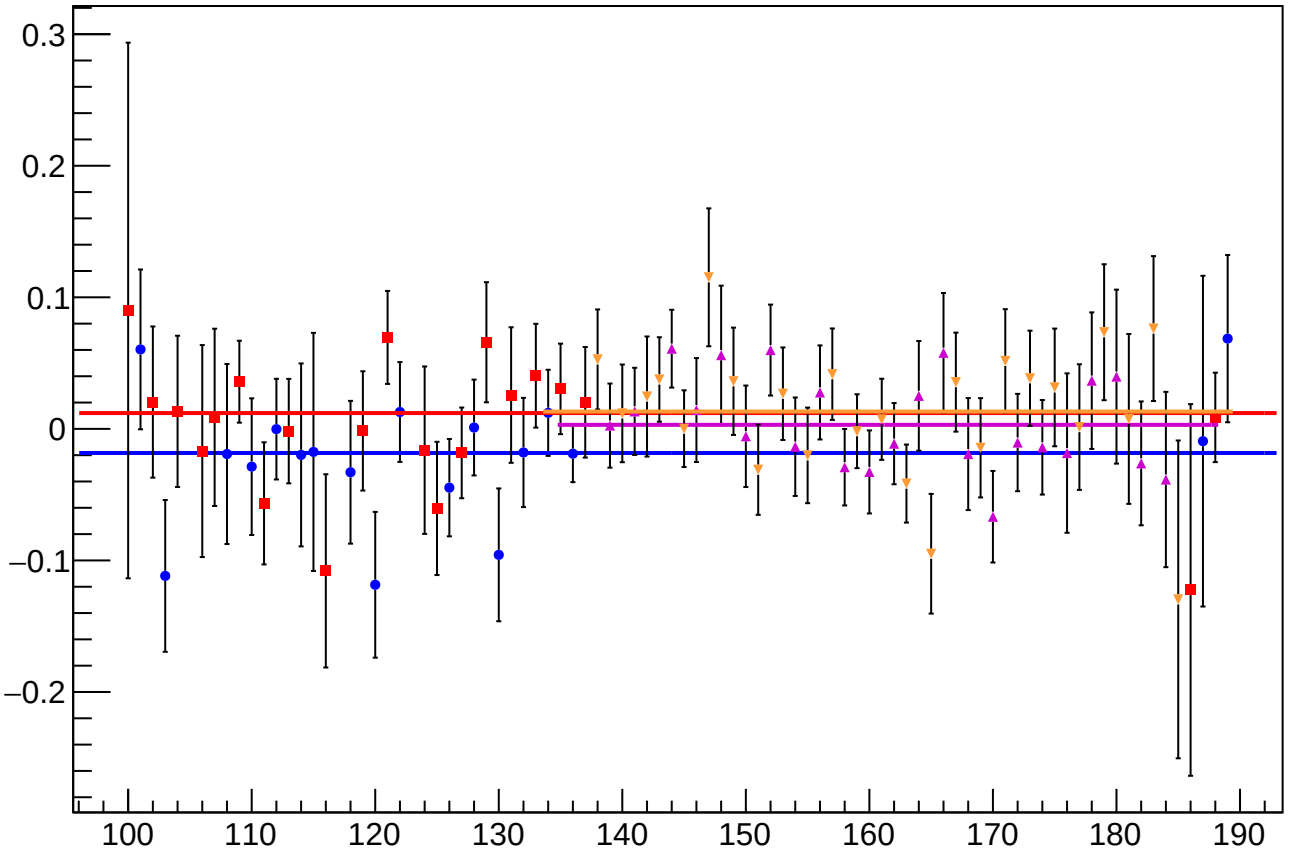
Right Out: 28.542+/-0.007 χ^2/NDF: 1097406.9/20

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

+ sign 30.994+/-0.004 χ^2/NDF: 3134464.5/42

All: 31.201+/-0.003 χ^2/NDF: 5723922.9/86

- sign 31.412+/-0.004 χ^2/NDF: 2584919.6/43



Right In: -0.018+/-0.010 χ^2/NDF: 14.5/17

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

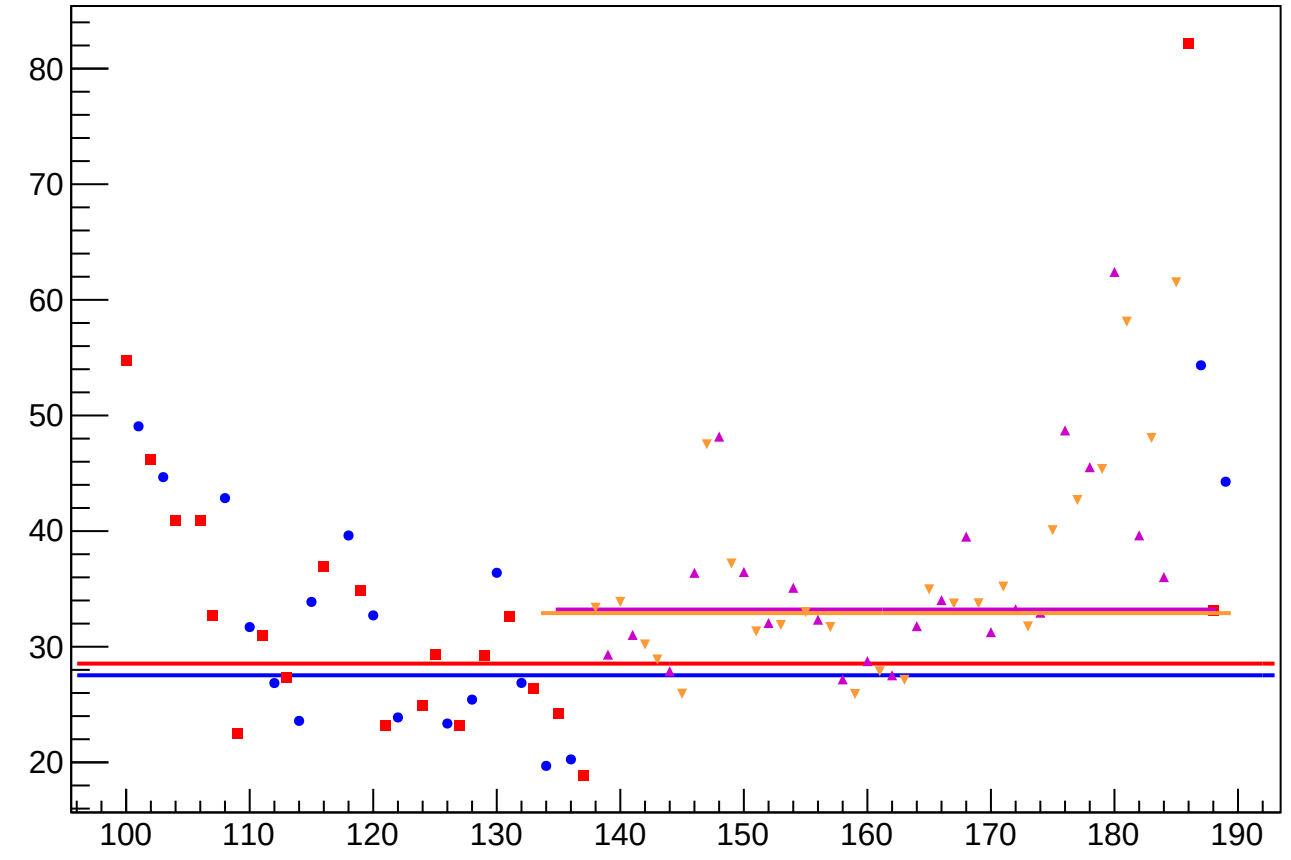
Right Out: 0.012+/-0.010 χ^2/NDF: 14.8/20

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.002+/-0.006 χ^2/NDF: 45.8/42

All: 0.004+/-0.004 χ^2/NDF: 80.6/86

- sign 0.007+/-0.006 χ^2/NDF: 34.5/43



Right In: 27.531+/-0.007 χ^2/NDF: 1357715.2/17

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

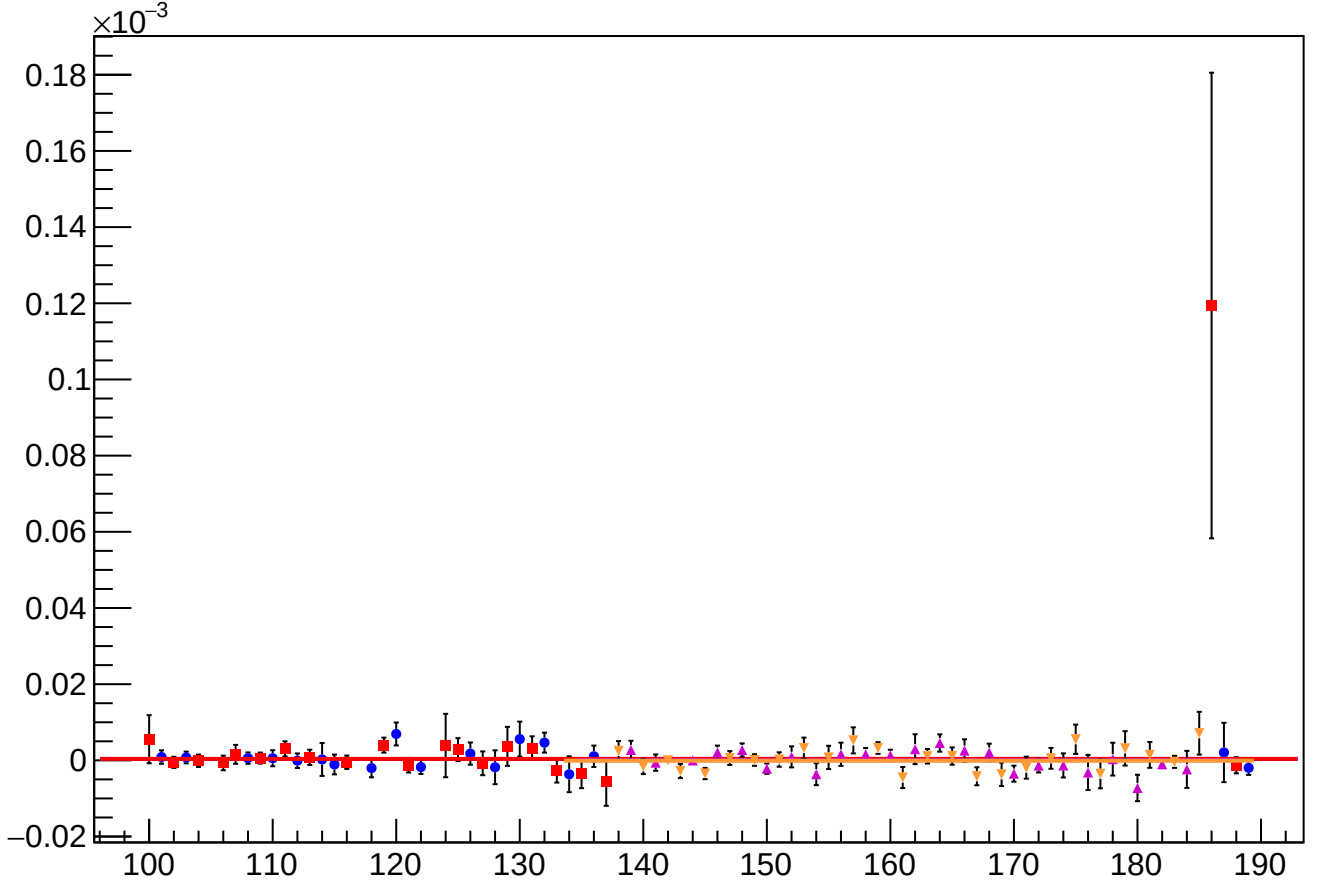
Right Out: 28.542+/-0.007 χ^2/NDF: 1097406.9/20

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

+ sign 30.994+/-0.004 χ^2/NDF: 3134464.5/42

All: 31.201+/-0.003 χ^2/NDF: 5723922.9/86

- sign 31.412+/-0.004 χ^2/NDF: 2584919.6/43



Right In: 0.000+/-0.000 χ^2/NDF: 14.5/17

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17.6/20

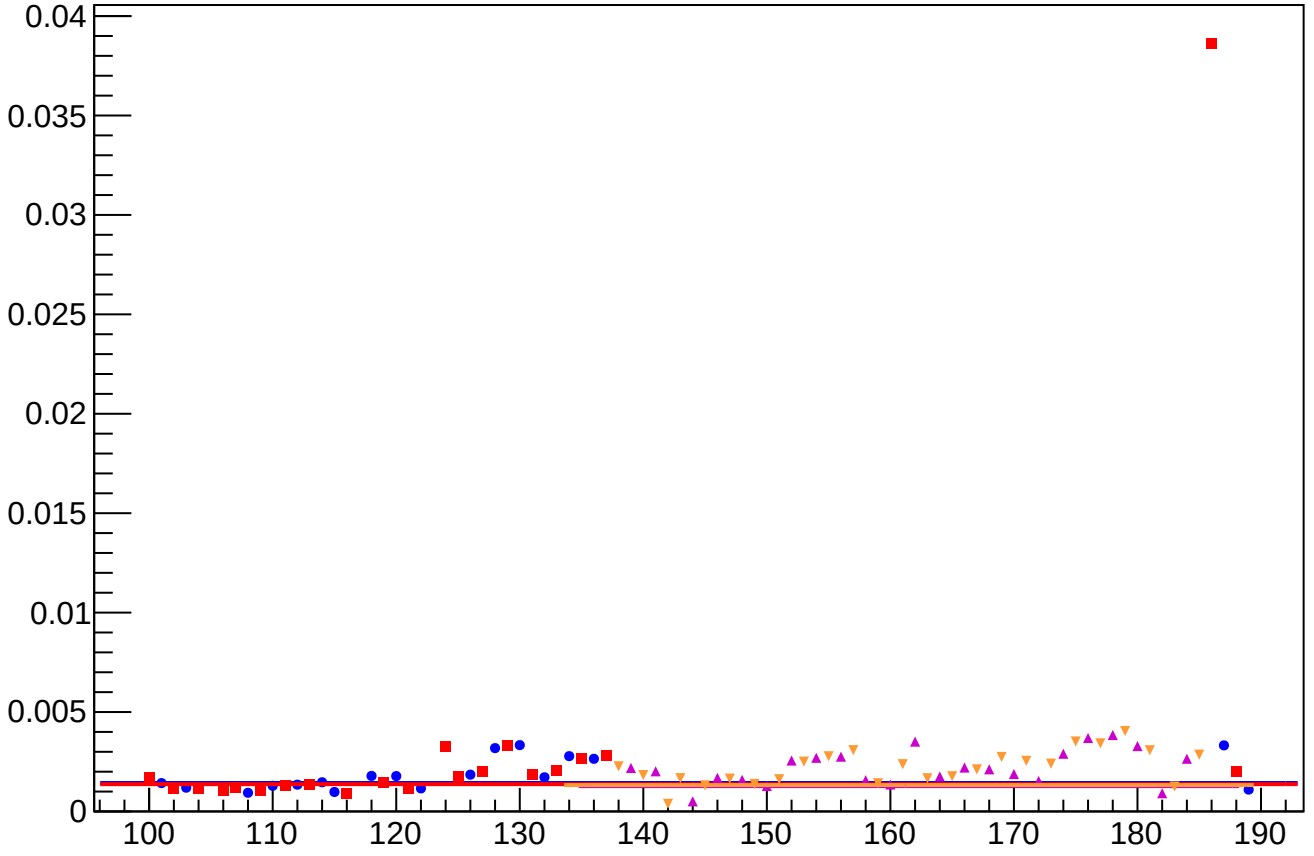
Left In: 0.000+/-0.000 χ^2/NDF:27.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.0/42

All: 0.000+/-0.000 χ^2/NDF: 91.0/86

- sign 0.000+/-0.000 χ^2/NDF: 45.0/43

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 1895664.1/17

Left Out: 0.001+/-0.000 χ^2/NDF:11159347.0/24

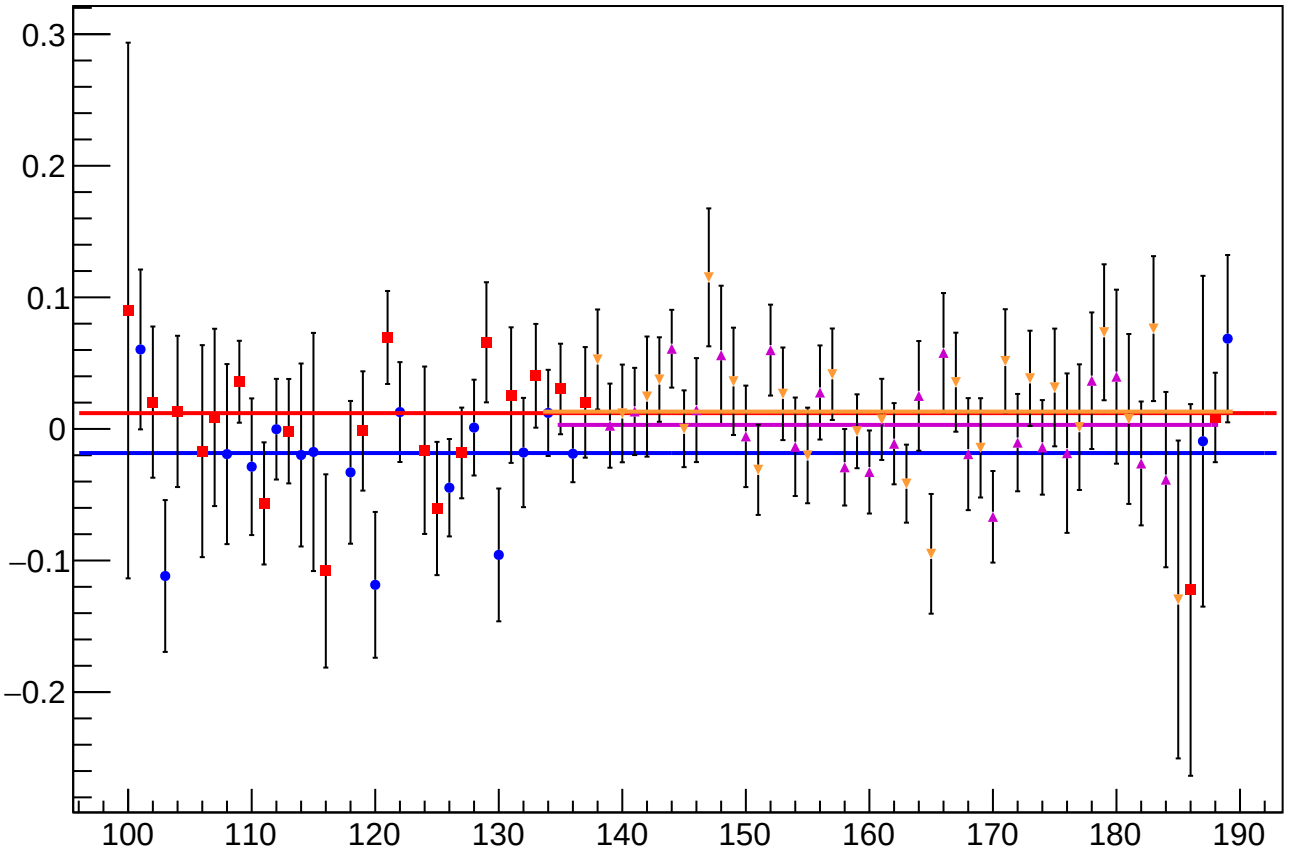
Right Out: 0.001+/-0.000 χ^2/NDF: 2351511.1/20

Left In: 0.001+/-0.000 χ^2/NDF:9878422.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 13104951.0/42

All: 0.001+/-0.000 χ^2/NDF: 25416654.3/86

- sign 0.001+/-0.000 χ^2/NDF: 12281243.7/43



Right In: -0.018+/-0.010 χ^2/NDF: 14.5/17

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

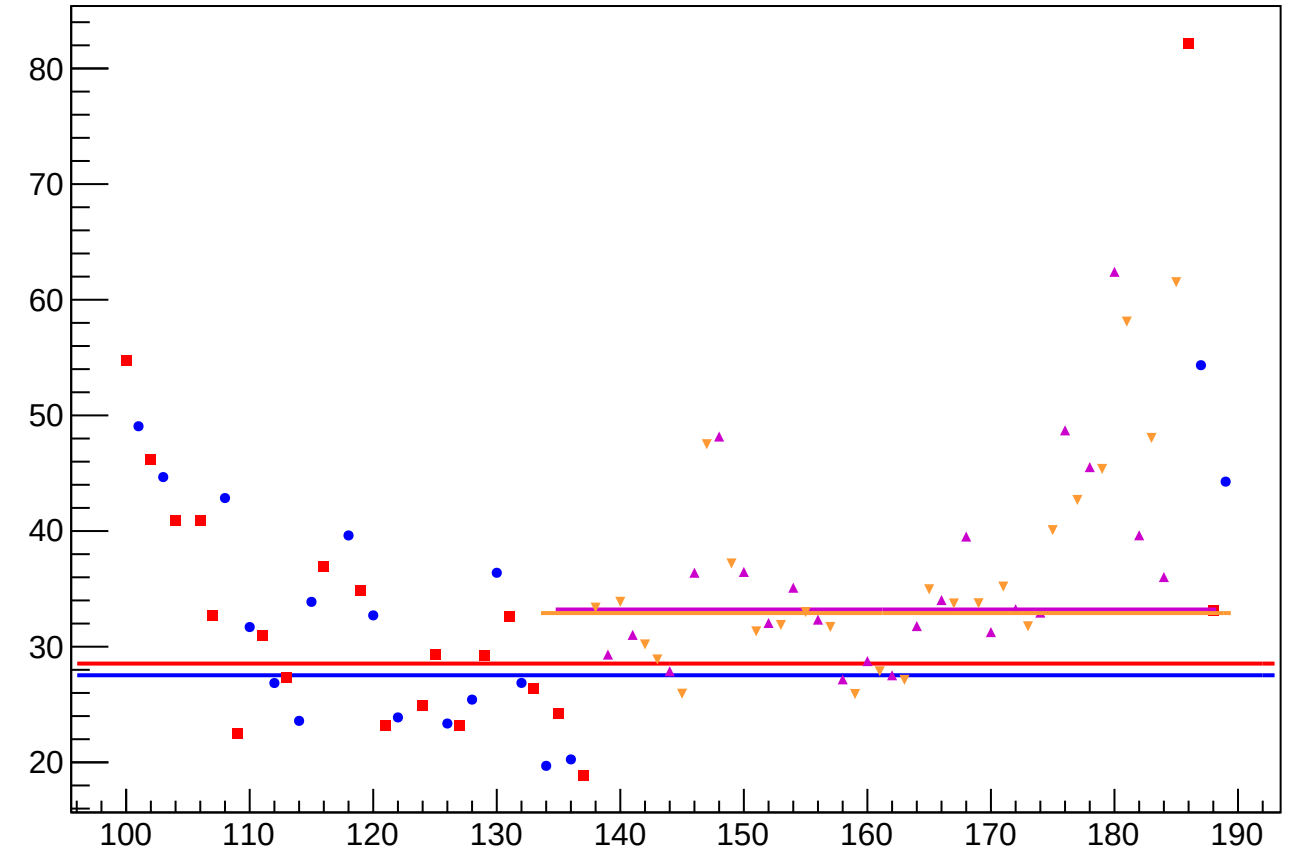
Right Out: 0.012+/-0.010 χ^2/NDF: 14.8/20

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.002+/-0.006 χ^2/NDF: 45.8/42

All: 0.004+/-0.004 χ^2/NDF: 80.6/86

- sign 0.007+/-0.006 χ^2/NDF: 34.5/43



Right In: 27.530+/-0.007 χ^2/NDF: 1357780.4/17

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

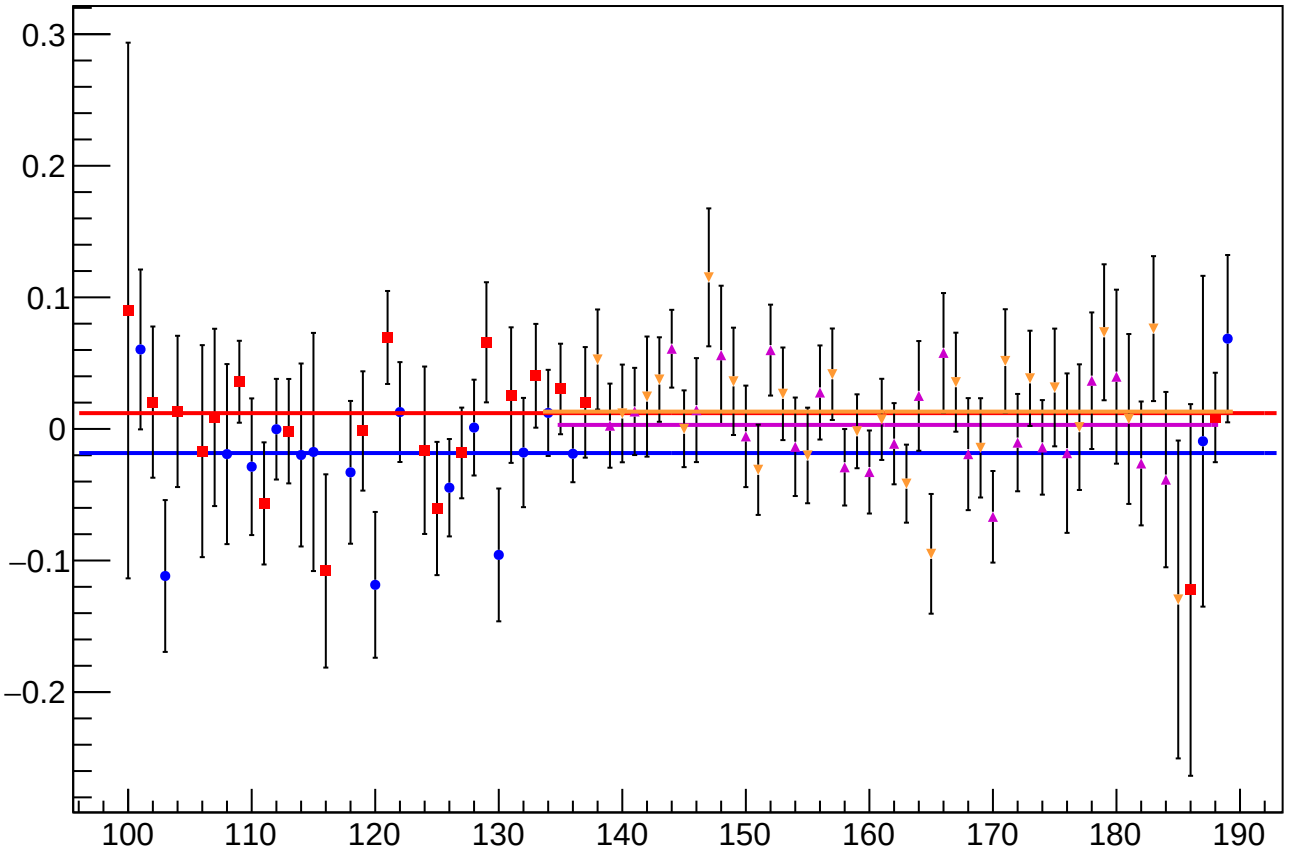
Right Out: 28.540+/-0.007 χ^2/NDF: 1097506.8/20

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

+ sign 30.994+/-0.004 χ^2/NDF: 3134715.4/42

All: 31.200+/-0.003 χ^2/NDF: 5724493.2/86

- sign 31.412+/-0.004 χ^2/NDF: 2585241.4/43



Right In: -0.018+/-0.010 χ^2/NDF: 14.5/17

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

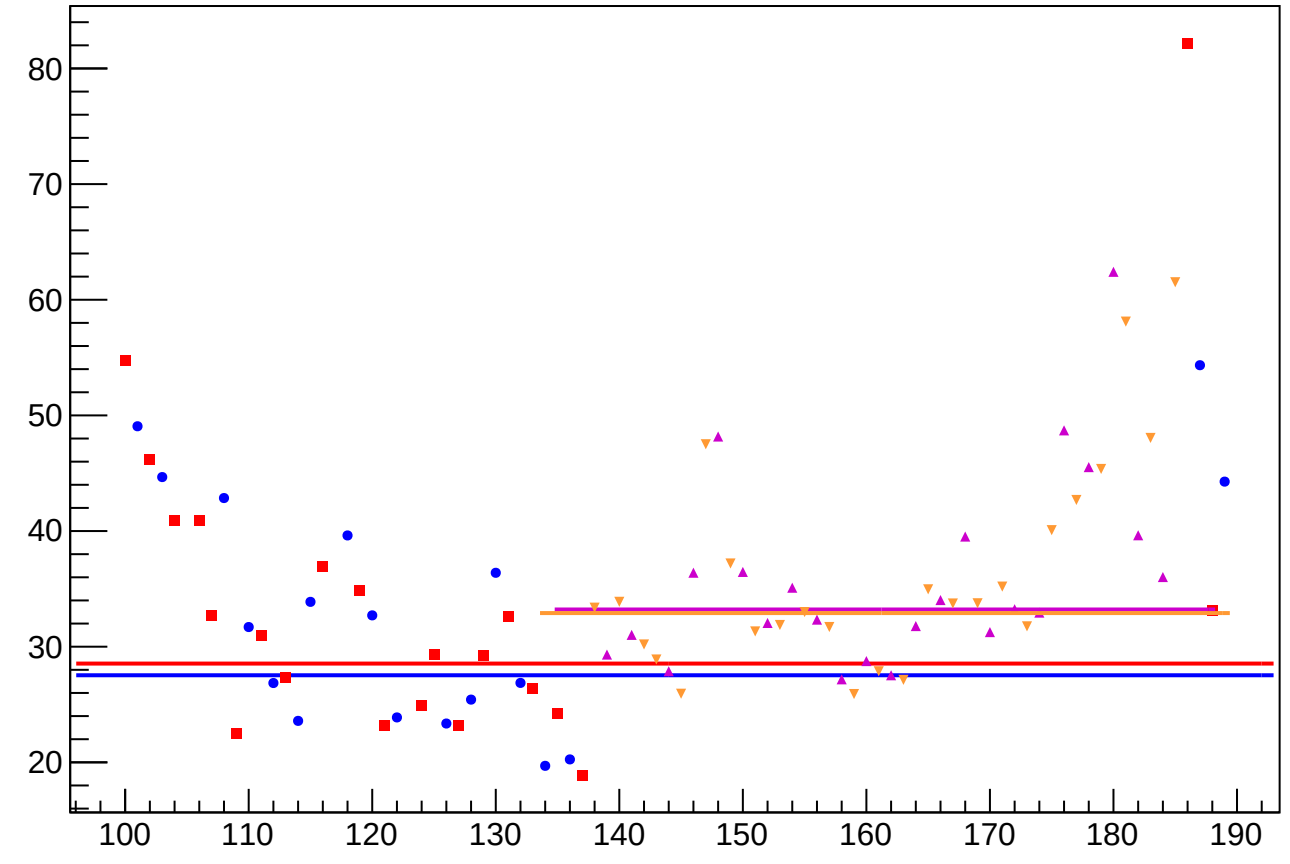
Right Out: 0.012+/-0.010 χ^2/NDF: 14.8/20

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.002+/-0.006 χ^2/NDF: 45.8/42

All: 0.004+/-0.004 χ^2/NDF: 80.6/86

- sign 0.007+/-0.006 χ^2/NDF: 34.5/43



Right In: 27.530+/-0.007 χ^2/NDF: 1357780.4/17

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

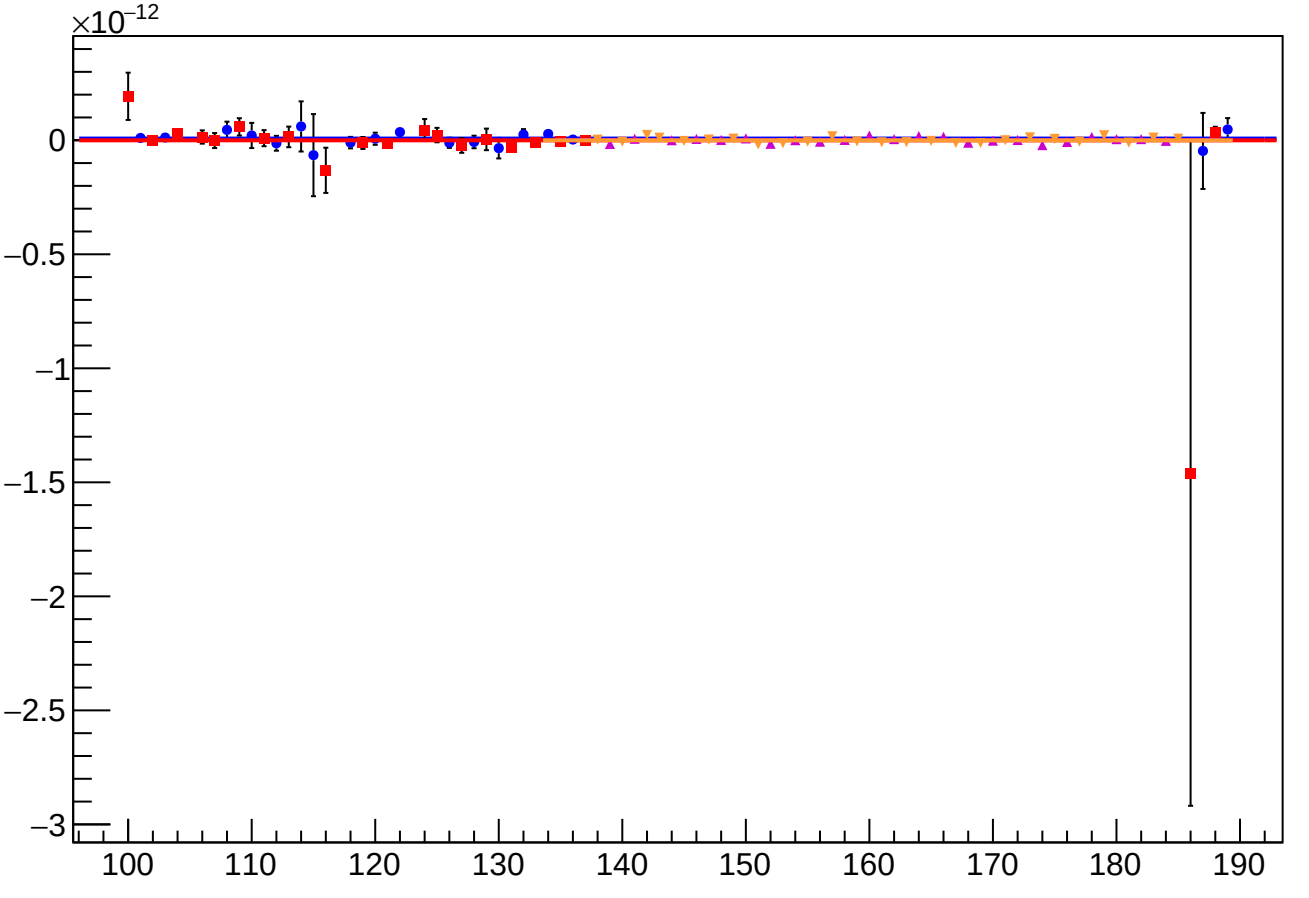
Right Out: 28.540+/-0.007 χ^2/NDF: 1097506.8/20

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

+ sign 30.994+/-0.004 χ^2/NDF: 3134715.4/42

All: 31.200+/-0.003 χ^2/NDF: 5724493.2/86

- sign 31.412+/-0.004 χ^2/NDF: 2585241.4/43



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/17

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

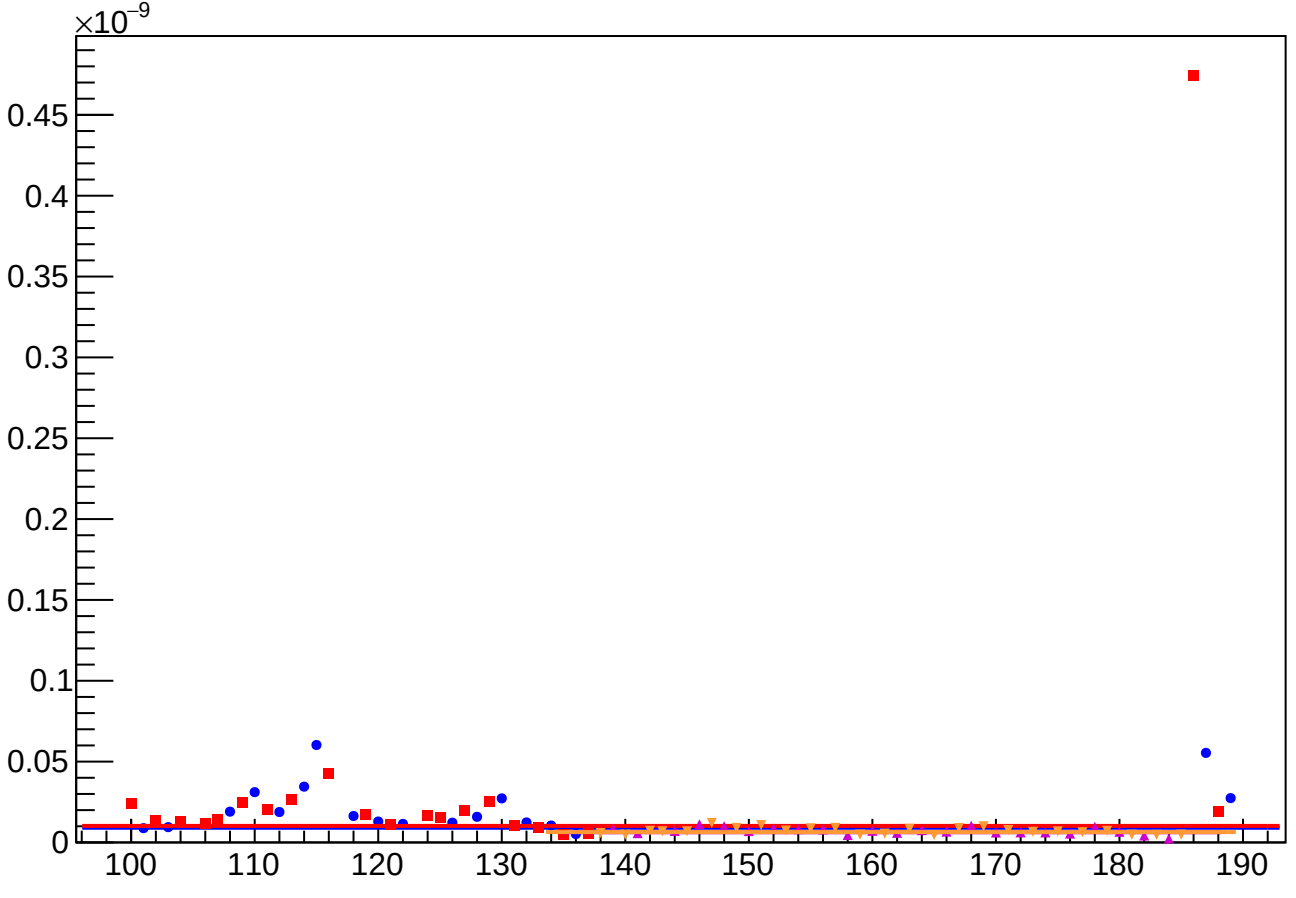
Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/20

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 42.6/42

All: 0.000+/-0.000 χ^2/NDF: 85.8/86

- sign 0.000+/-0.000 χ^2/NDF: 43.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 2830708.5/17

Left Out: 0.000+/-0.000 χ^2/NDF:1879116.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3101879.5/20

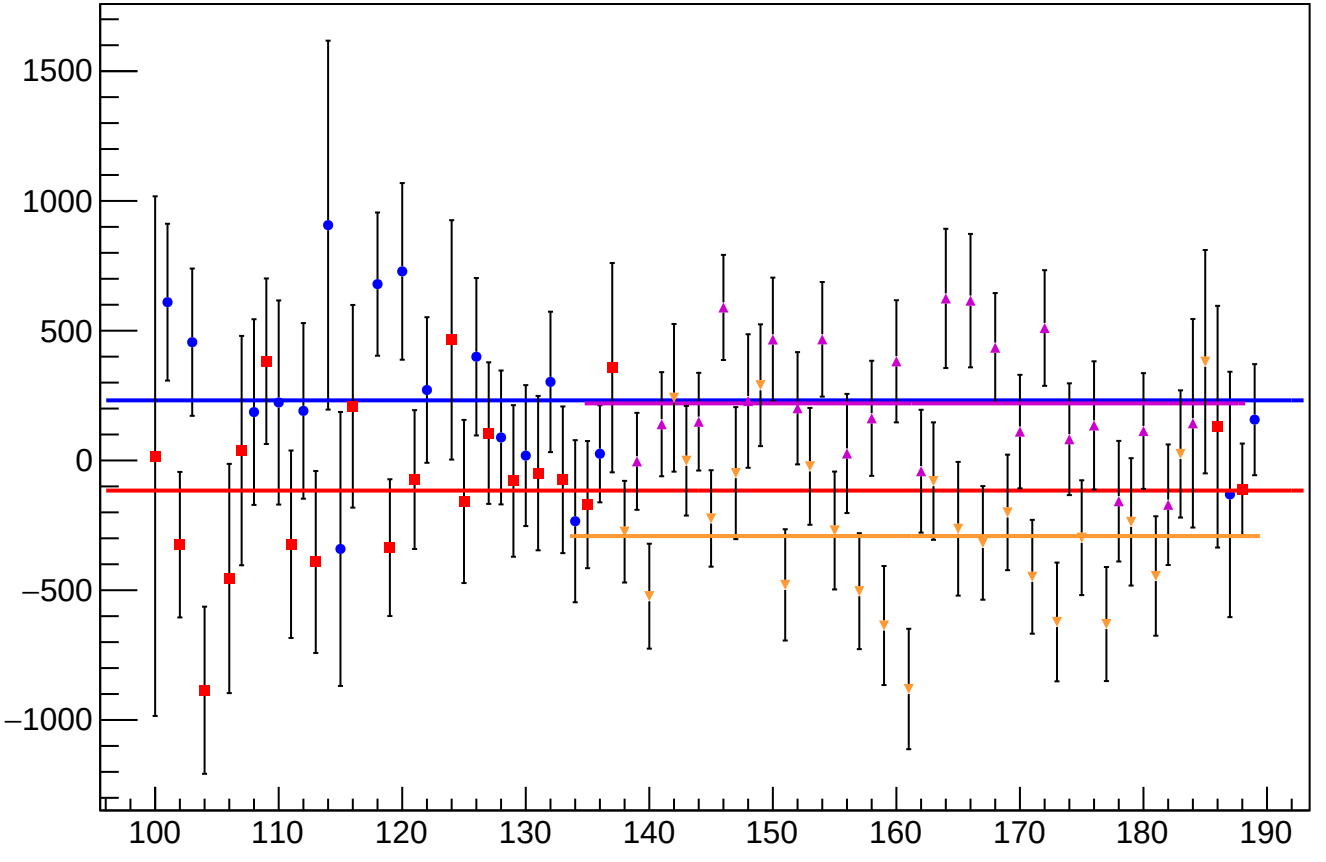
Left In: 0.000+/-0.000 χ^2/NDF:2127144.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 5313694.1/42

All: 0.000+/-0.000 χ^2/NDF: 11679184.4/86

- sign 0.000+/-0.000 χ^2/NDF: 6365178.6/43

reg_asym_sam_26_dd_mean vs Slug



Right In: 231.566+/-69.899 χ^2/NDF: 14.5/17

Left Out: -291.313+/-45.614 χ^2/NDF:36.4/24

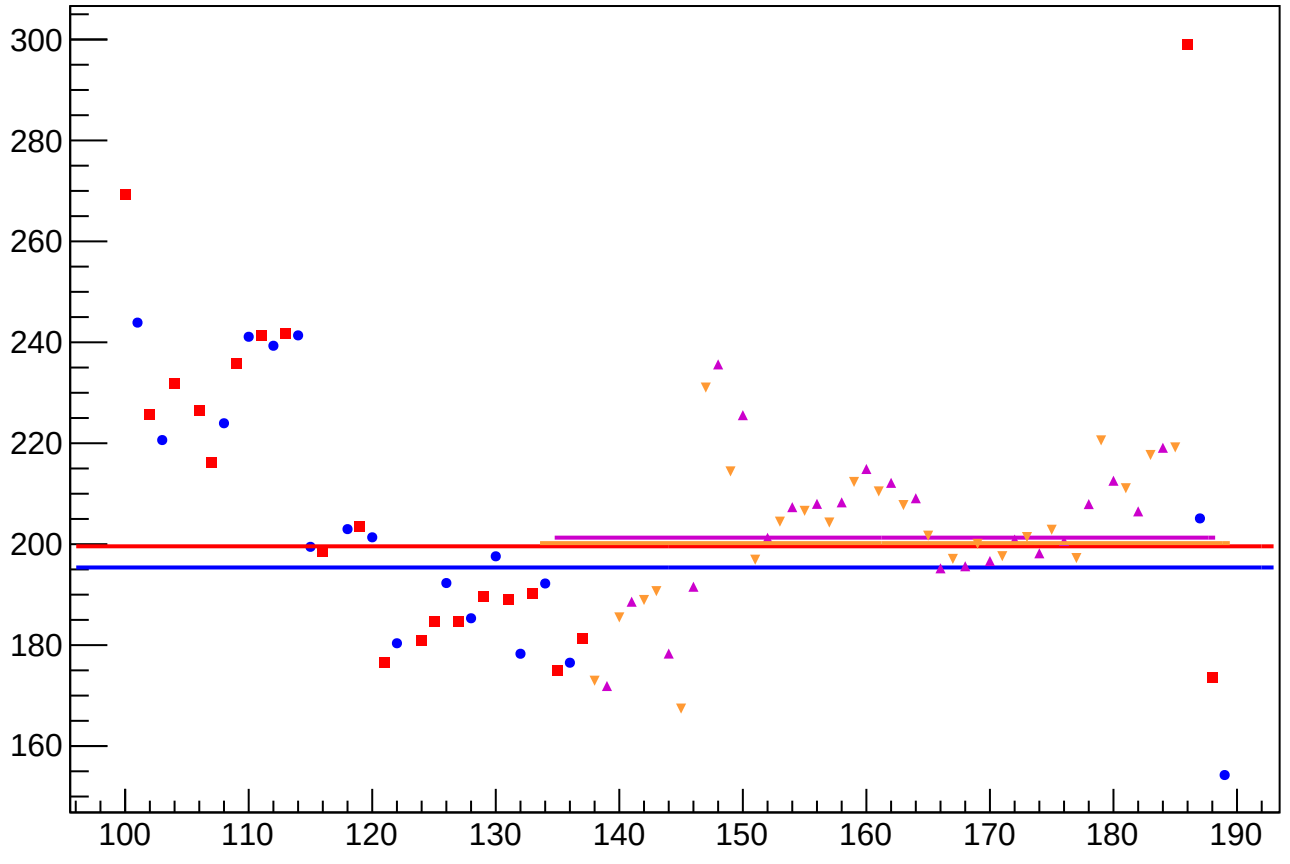
Right Out: -116.018+/-67.841 χ^2/NDF: 15.8/20

Left In: 219.974+/-47.146 χ^2/NDF:23.7/22

+ sign -135.151+/-38.200 χ^2/NDF: 90.1/42

All: -13.945+/-27.192 χ^2/NDF: 166.7/86

- sign 110.553+/-38.715 χ^2/NDF: 56.1/43



Right In: 195.386+/-0.049 χ^2/NDF: 263895.1/17

Left Out: 200.210+/-0.032 χ^2/NDF:204393.9/24

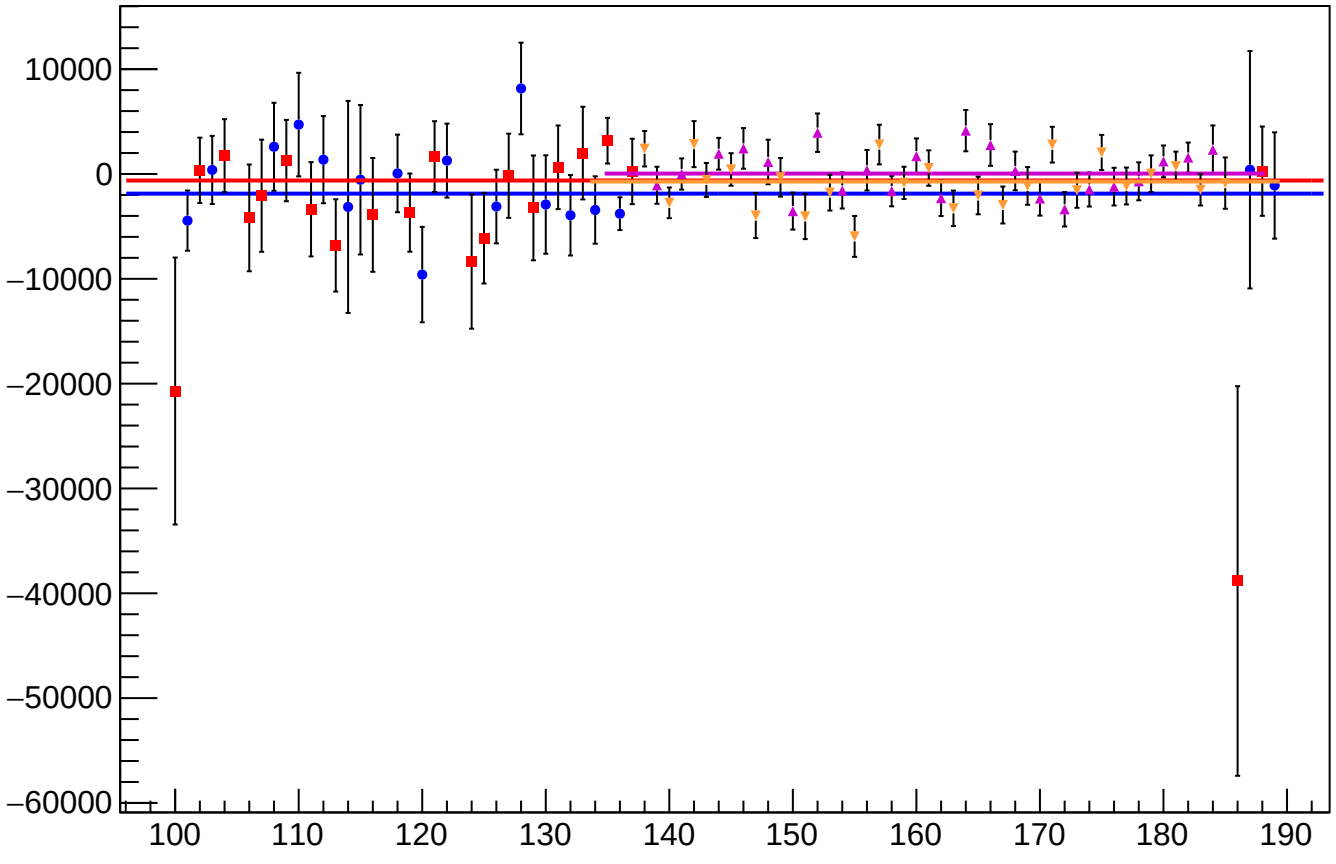
Right Out: 199.579+/-0.048 χ^2/NDF: 333159.5/20

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 198.769+/-0.027 χ^2/NDF: 474969.1/42

All: 199.740+/-0.019 χ^2/NDF: 993260.8/86

- sign 200.738+/-0.027 χ^2/NDF: 515672.1/43



Right In: -1874.920+/-844.661 χ^2/NDF: 16.3/17

Left Out: -720.700+/-346.376 χ^2/NDF:38.3/24

Right Out: -620.917+/-879.987 χ^2/NDF: 18.9/20

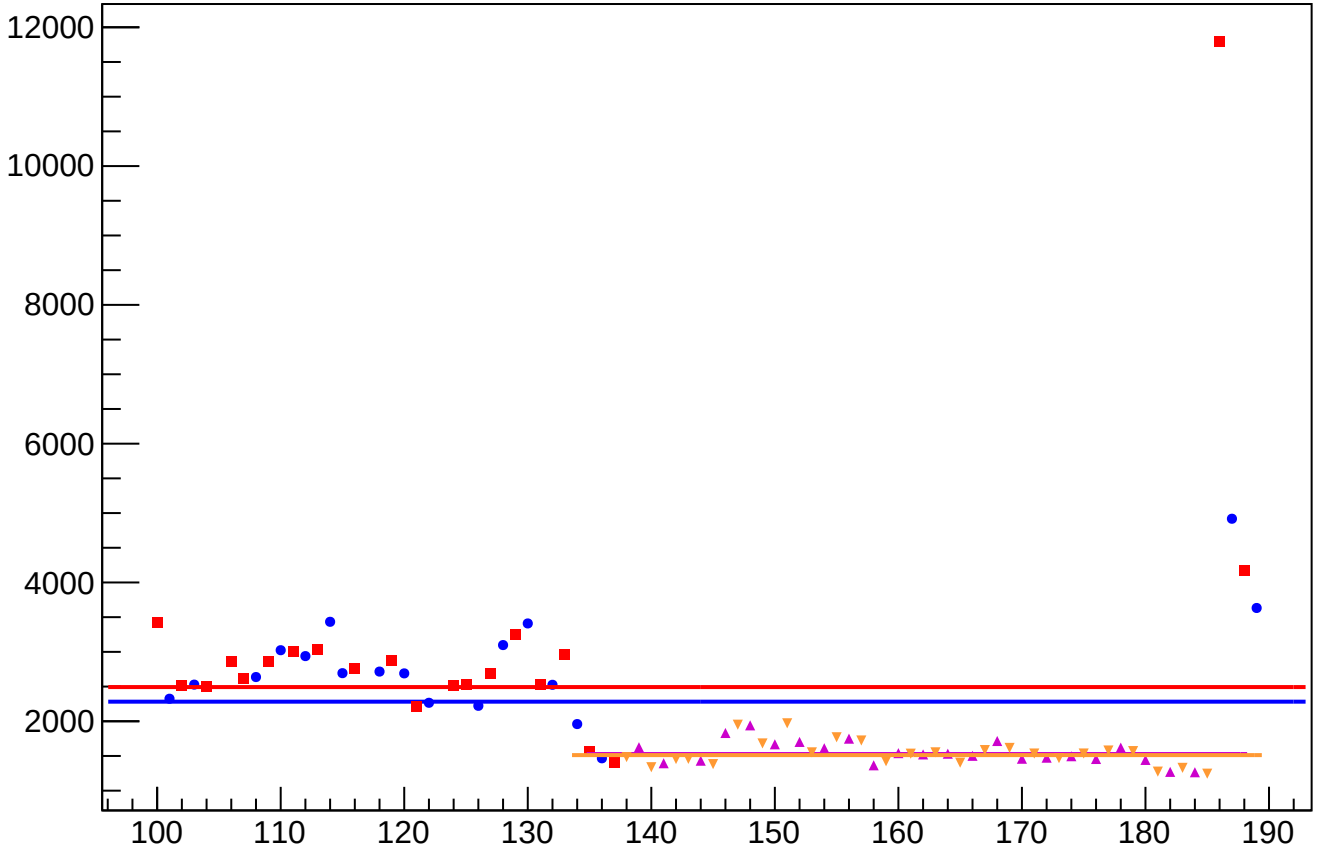
Left In: 39.277+/-359.265 χ^2/NDF:34.4/22

+ sign -886.856+/-320.476 χ^2/NDF: 56.2/42

All: -486.402+/-230.782 χ^2/NDF: 113.2/86

- sign -55.042+/-332.613 χ^2/NDF: 53.8/43

asym_sam_26_dd_reg_correction_rms vs Slug



Right In: 2282.346+/-0.597 χ^2/NDF: 1205674.0/17

Left Out: 1512.365+/-0.245 χ^2/NDF:442558.0/24

Right Out: 2492.778+/-0.622 χ^2/NDF: 1632670.0/20

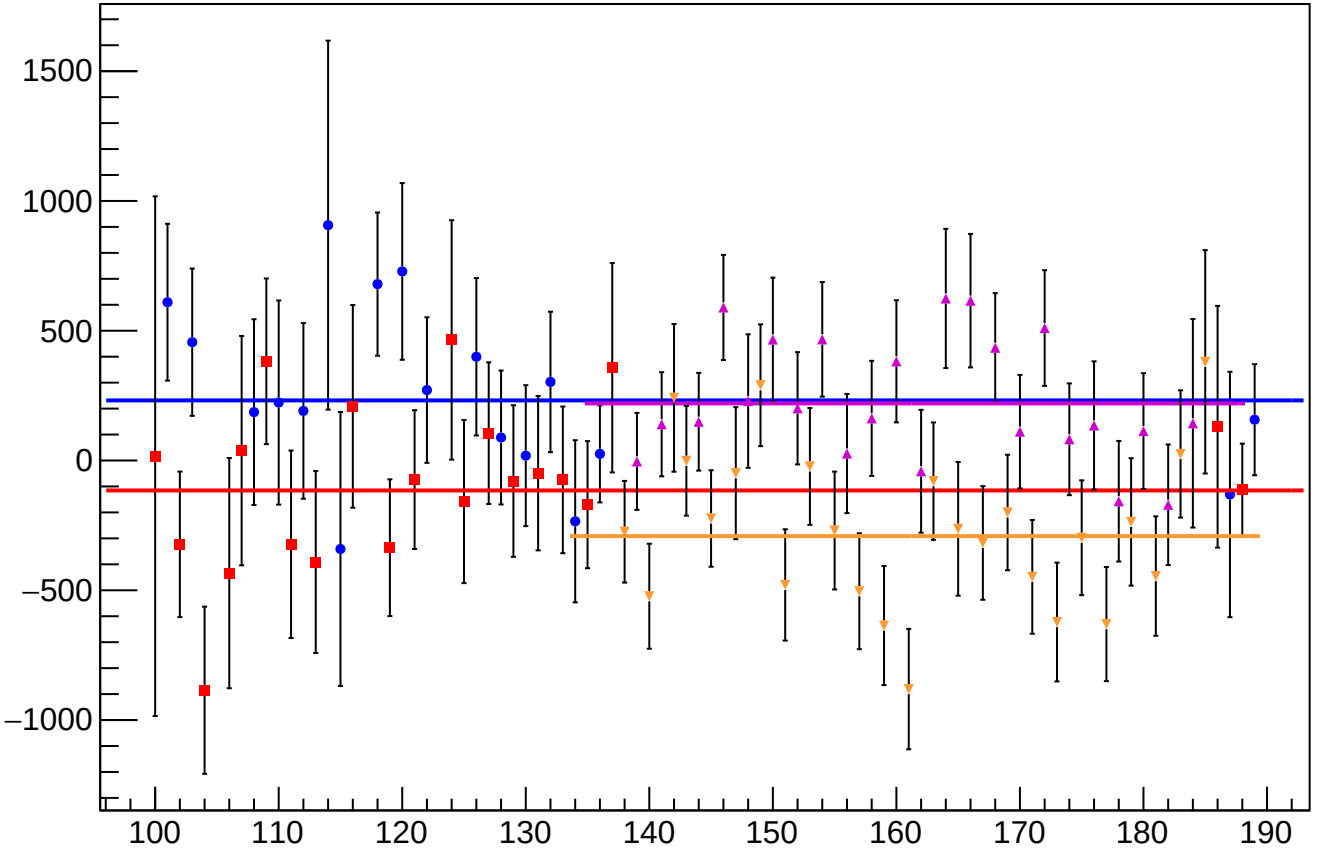
Left In: 1527.964+/-0.254 χ^2/NDF:373844.4/22

+ sign 1623.207+/-0.227 χ^2/NDF: 3070960.9/42

All: 1643.714+/-0.163 χ^2/NDF: 7155180.8/86

- sign 1665.803+/-0.235 χ^2/NDF: 4067210.6/43

cor_asym_sam_26_dd_mean vs Slug



Right In: 231.569+/-69.899 χ^2/NDF: 14.5/17

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: -115.364+/-67.849 χ^2/NDF: 15.8/20

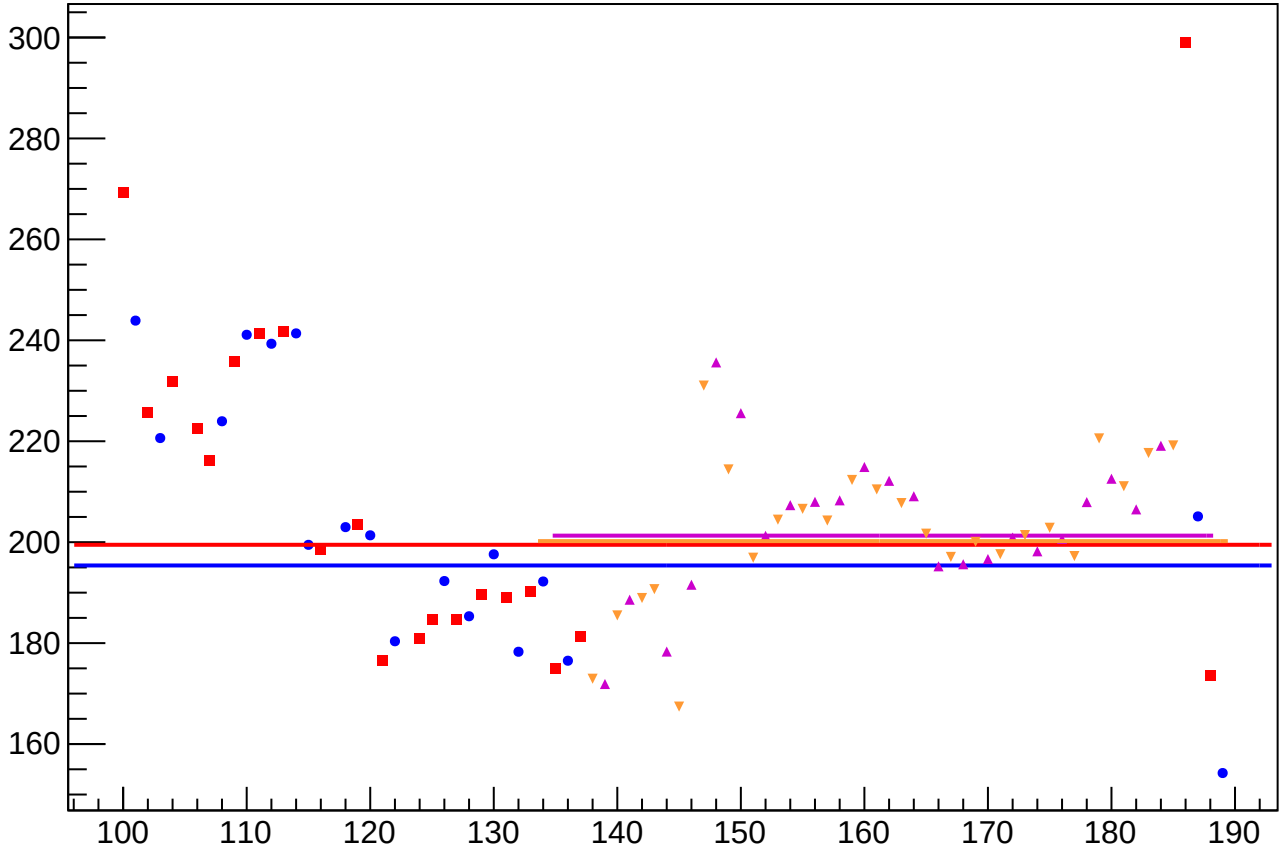
Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

+ sign -135.152+/-38.200 χ^2/NDF: 90.1/42

All: -13.834+/-27.192 χ^2/NDF: 166.5/86

- sign 110.788+/-38.717 χ^2/NDF: 56.0/43

cor_asym_sam_26_dd_rms vs Slug



Right In: 195.386+/-0.049 χ^2/NDF: 263895.5/17

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

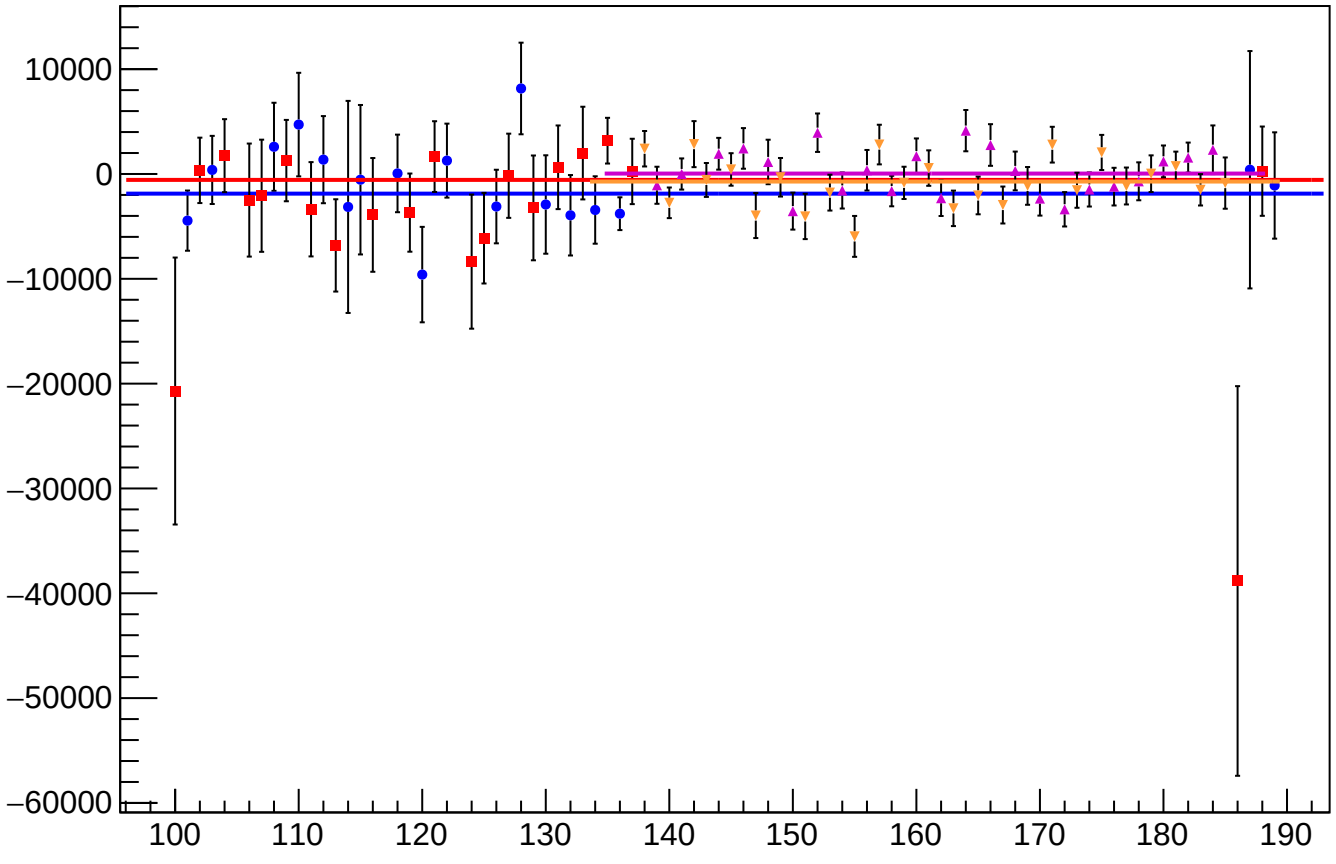
Right Out: 199.484+/-0.048 χ^2/NDF: 331178.3/20

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 198.769+/-0.027 χ^2/NDF: 474969.4/42

All: 199.725+/-0.019 χ^2/NDF: 991296.4/86

- sign 200.707+/-0.027 χ^2/NDF: 513788.3/43



Right In: -1874.883+/-844.663 χ^2/NDF: 16.3/17

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: -564.104+/-881.445 χ^2/NDF: 18.5/20

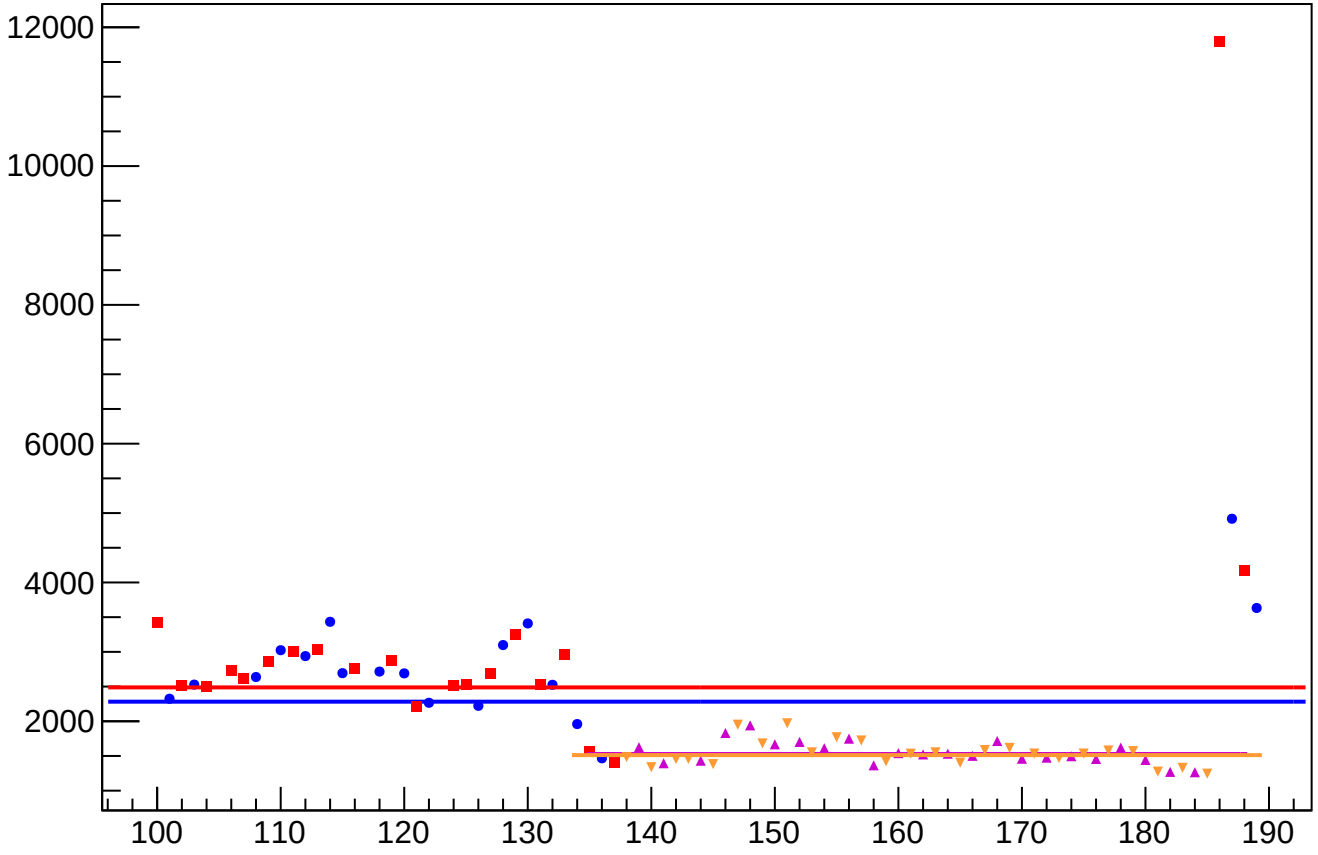
Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

+ sign -886.854+/-320.476 χ^2/NDF: 56.2/42

All: -482.476+/-230.809 χ^2/NDF: 112.9/86

- sign -46.683+/-332.692 χ^2/NDF: 53.3/43

asym_sam_26_dd_cor_correction_rms vs Slug



Right In: 2282.350+/-0.597 χ^2/NDF: 1205677.3/17

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2487.991+/-0.623 χ^2/NDF: 1625706.2/20

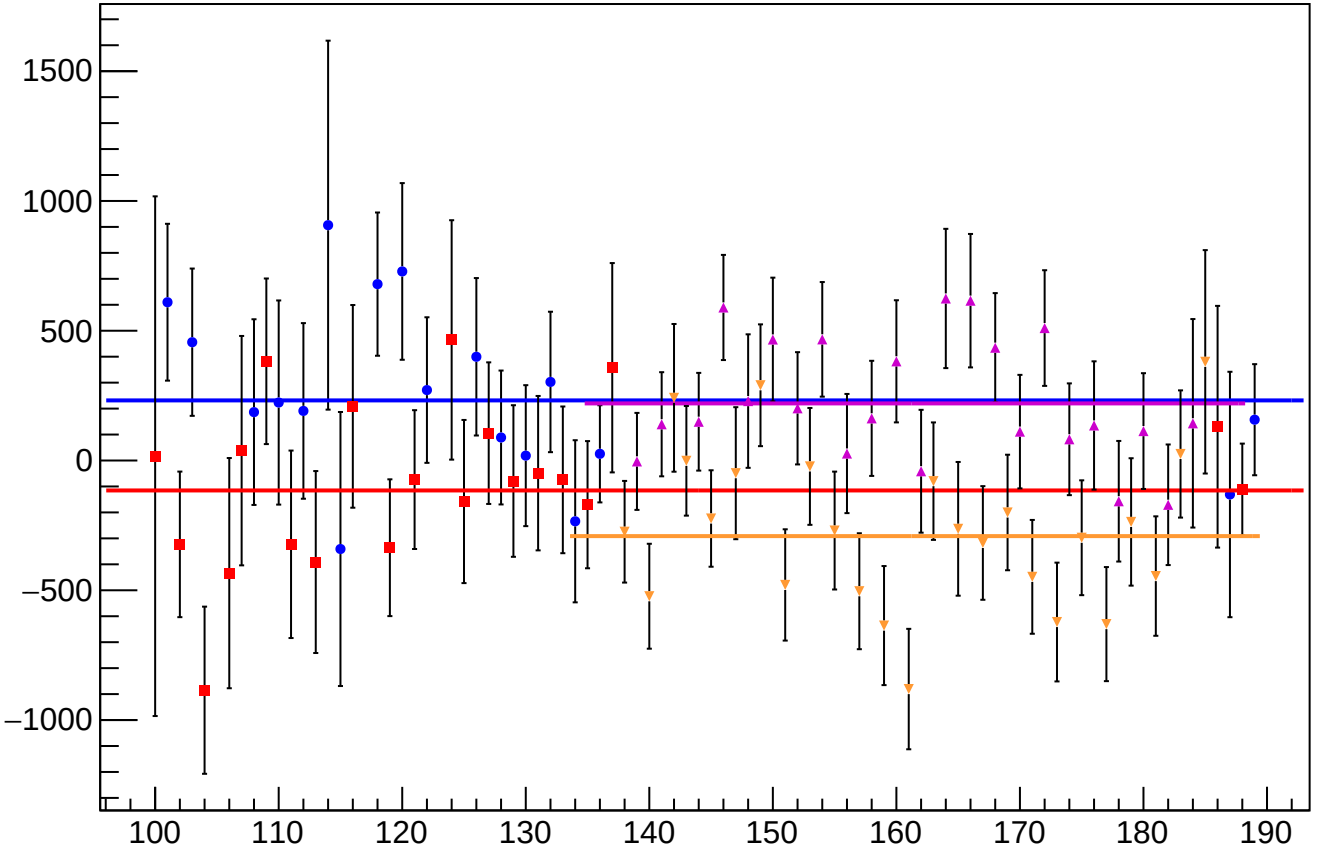
Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

+ sign 1623.208+/-0.227 χ^2/NDF: 3070974.4/42

All: 1643.192+/-0.163 χ^2/NDF: 7121197.7/86

- sign 1664.730+/-0.235 χ^2/NDF: 4034064.0/43

eigen_cor_asym_sam_26_dd_mean vs Slug



Right In: 231.569+/-69.899 χ^2/NDF: 14.5/17

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: -115.364+/-67.849 χ^2/NDF: 15.8/20

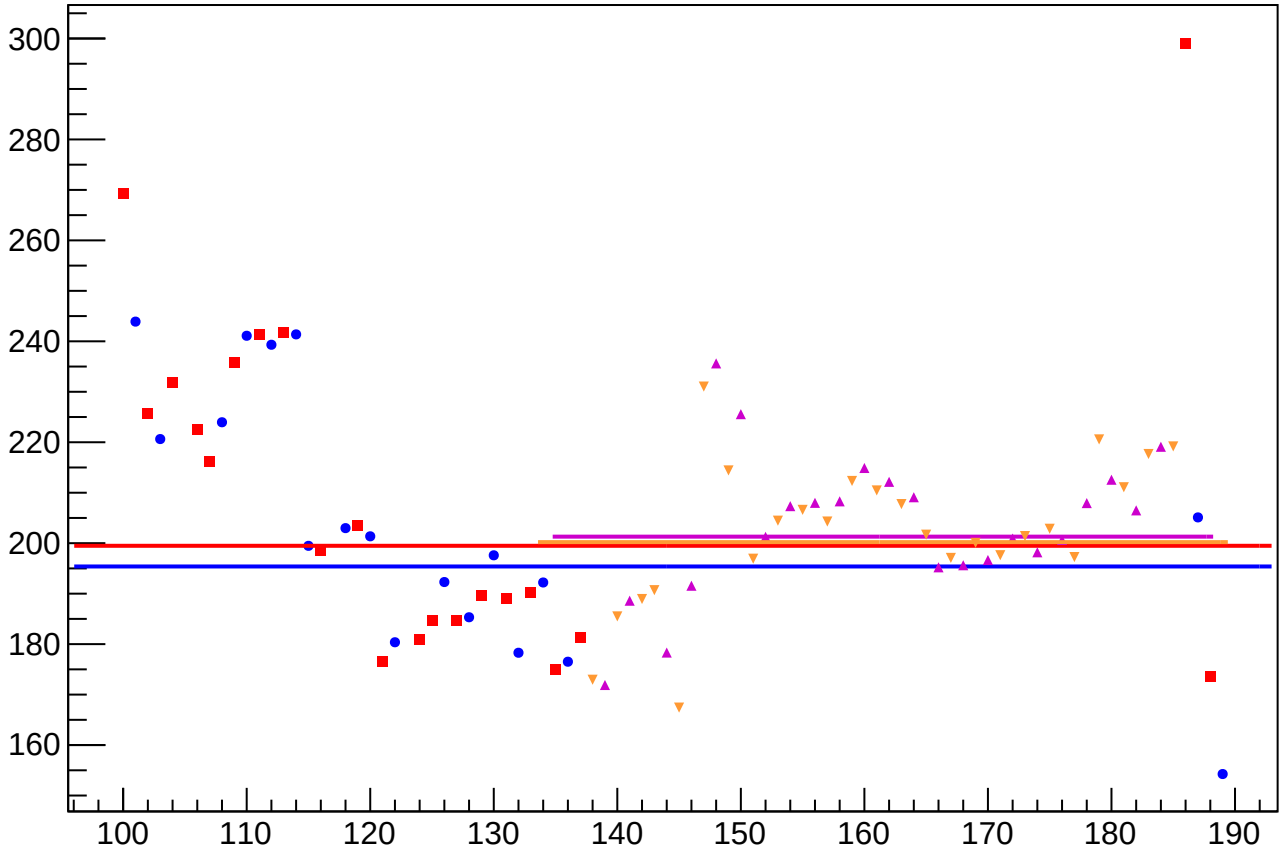
Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

+ sign -135.152+/-38.200 χ^2/NDF: 90.1/42

All: -13.834+/-27.192 χ^2/NDF: 166.5/86

- sign 110.788+/-38.717 χ^2/NDF: 56.0/43

eigen_cor_asym_sam_26_dd_rms vs Slug



Right In: 195.386+/-0.049 χ^2/NDF: 263895.5/17

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

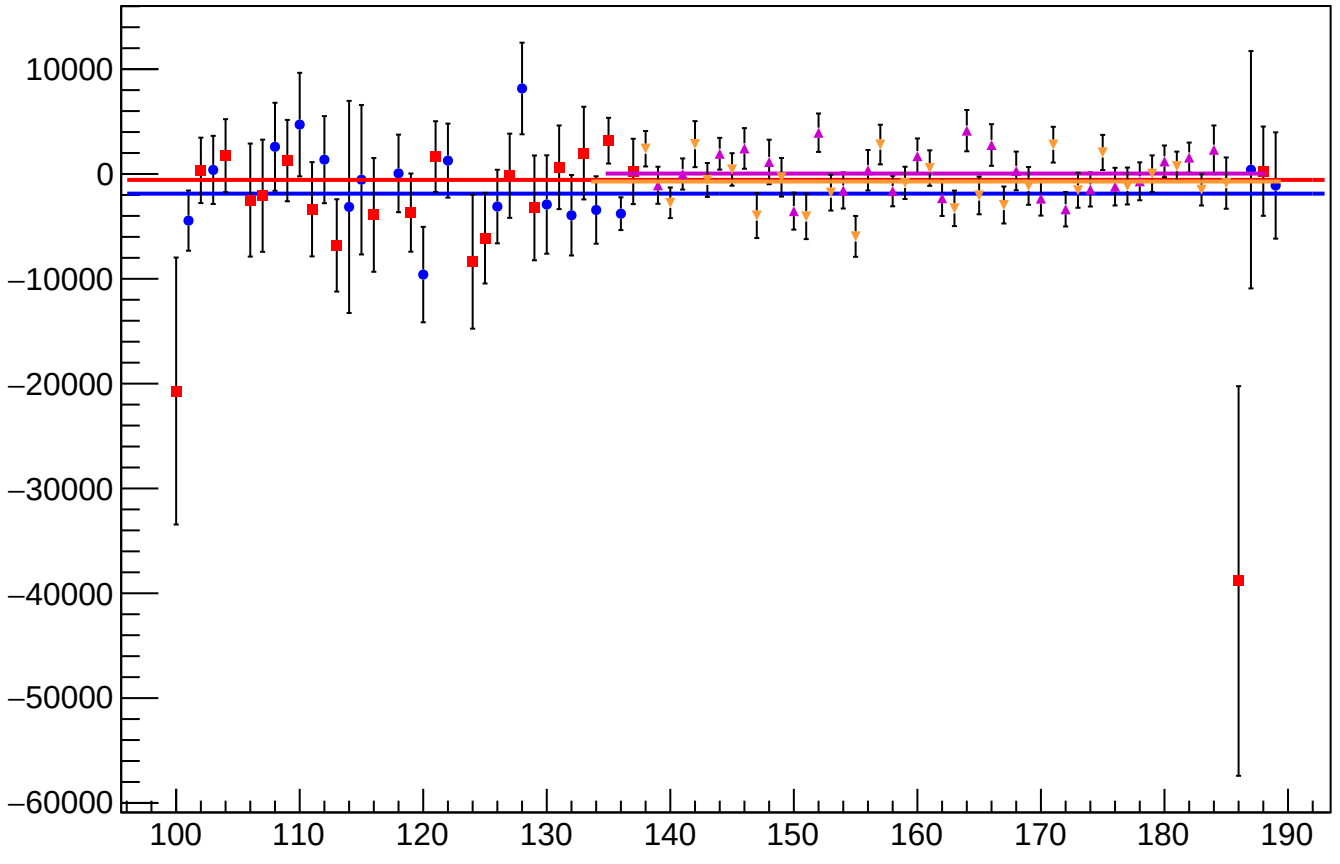
Right Out: 199.484+/-0.048 χ^2/NDF: 331178.3/20

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 198.769+/-0.027 χ^2/NDF: 474969.4/42

All: 199.725+/-0.019 χ^2/NDF: 991296.4/86

- sign 200.707+/-0.027 χ^2/NDF: 513788.3/43



Right In: -1874.883+/-844.663 χ^2/NDF: 16.3/17

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: -564.104+/-881.445 χ^2/NDF: 18.5/20

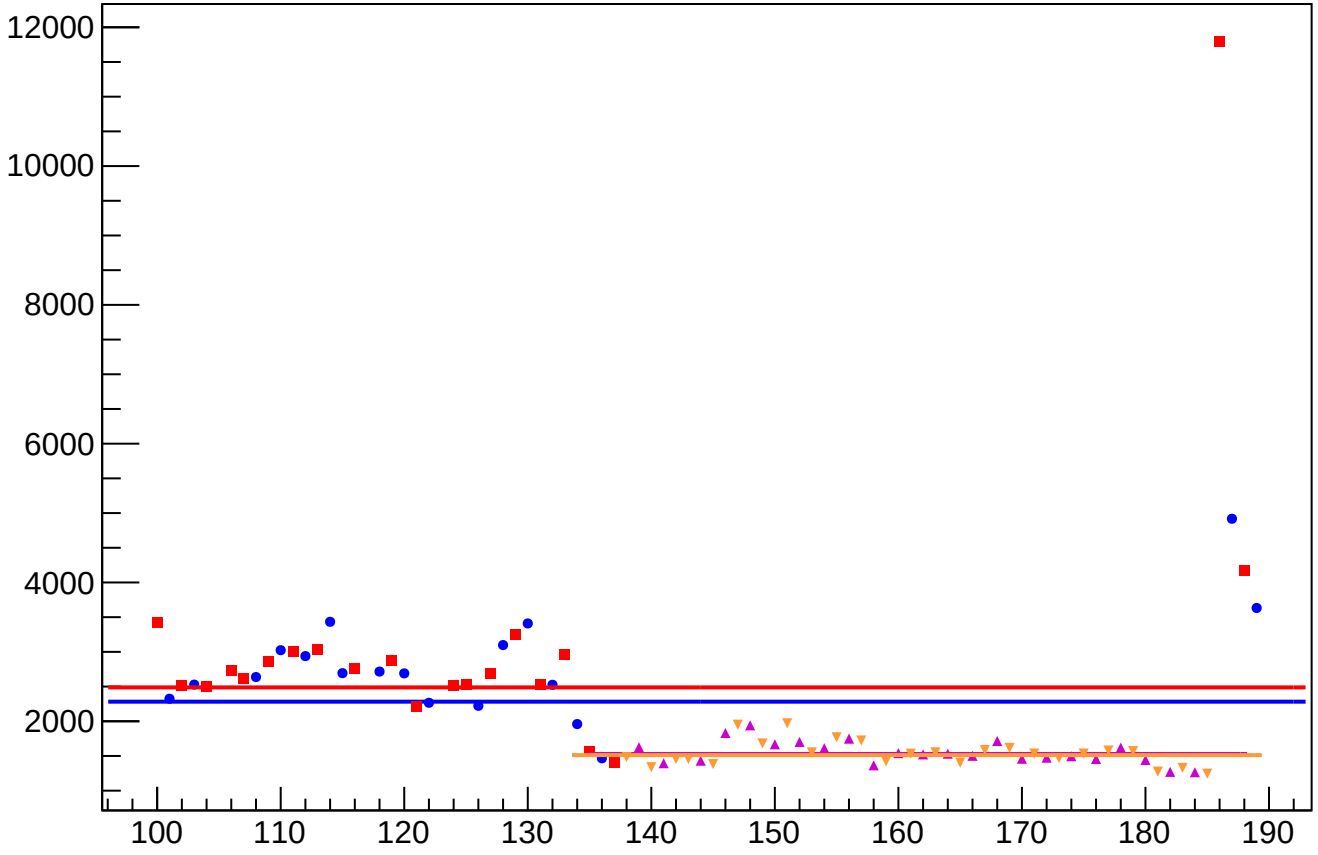
Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

+ sign -886.854+/-320.476 χ^2/NDF: 56.2/42

All: -482.476+/-230.809 χ^2/NDF: 112.9/86

- sign -46.683+/-332.692 χ^2/NDF: 53.3/43

asym_sam_26_dd_eigen_cor_correction_rms vs Slug



Right In: 2282.350+/-0.597 χ^2/NDF: 1205677.3/17

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2487.991+/-0.623 χ^2/NDF: 1625706.2/20

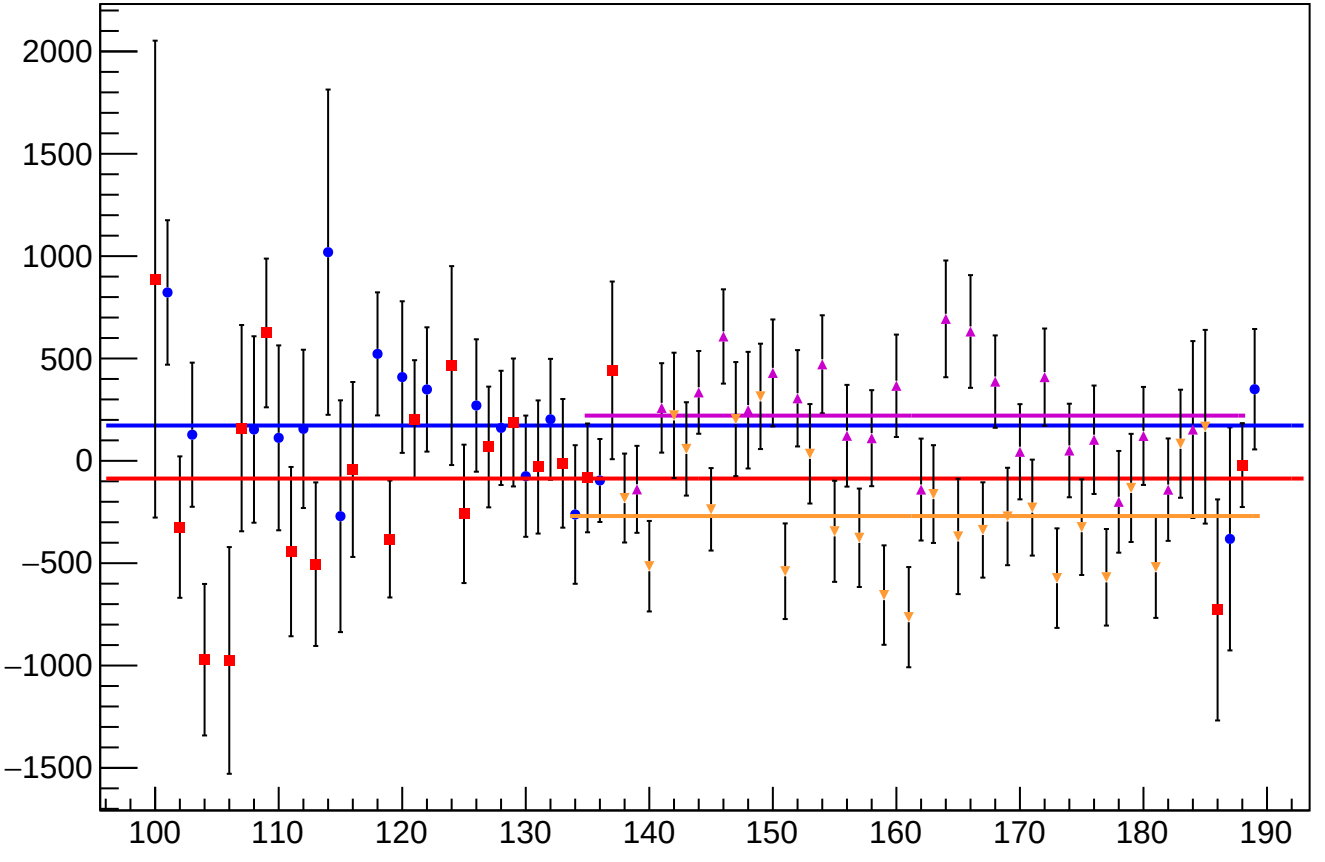
Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

+ sign 1623.208+/-0.227 χ^2/NDF: 3070974.4/42

All: 1643.192+/-0.163 χ^2/NDF: 7121197.7/86

- sign 1664.730+/-0.235 χ^2/NDF: 4034064.0/43

dit_asym_sam_26_dd_mean vs Slug



Right In: 172.533+/-79.135 χ^2/NDF: 12.9/17

Left Out: -269.678+/-49.158 χ^2/NDF:31.5/24

Right Out: -86.500+/-75.808 χ^2/NDF: 23.1/20

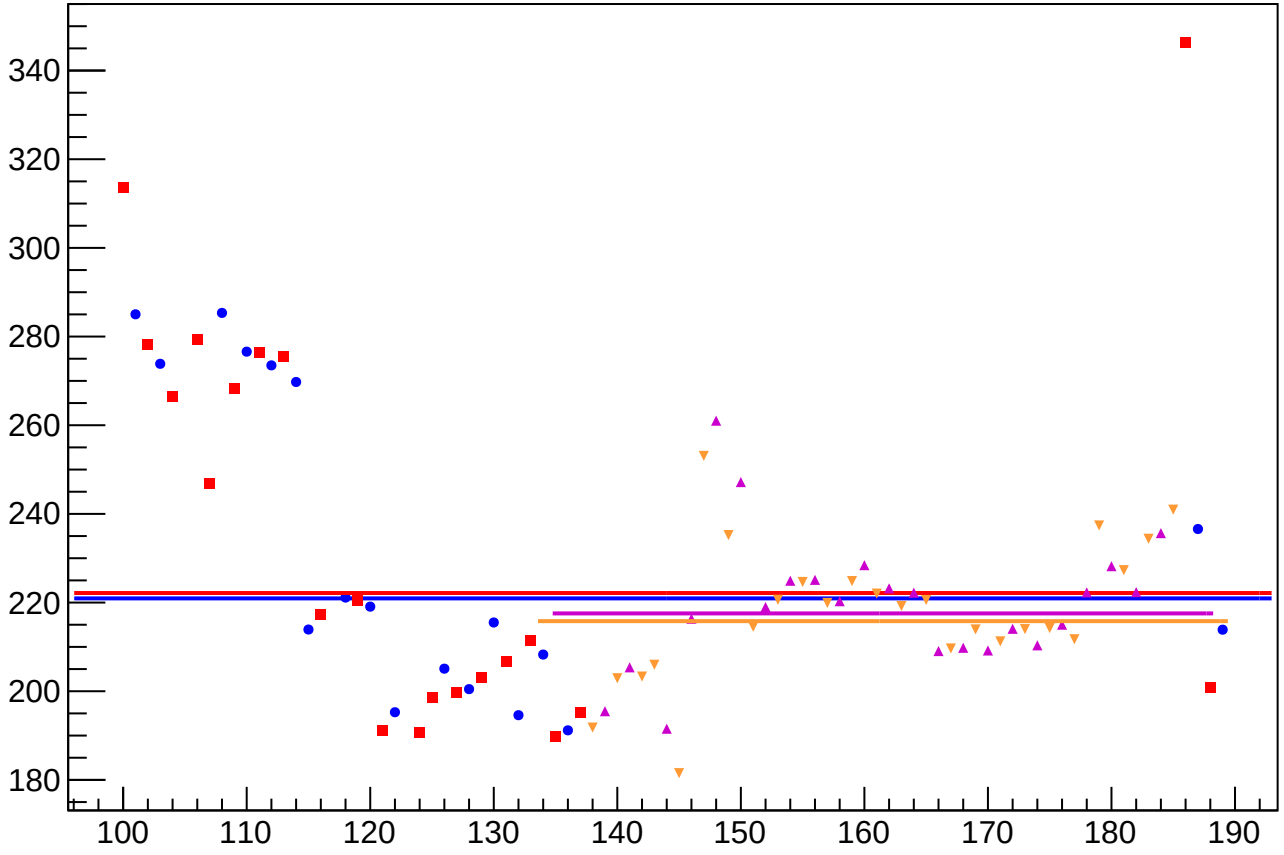
Left In: 220.926+/-50.956 χ^2/NDF:23.4/22

+ sign -146.552+/-41.757 χ^2/NDF: 66.9/42

All: -12.372+/-29.713 χ^2/NDF: 145.6/86

- sign 125.255+/-42.290 χ^2/NDF: 57.8/43

dit_asym_sam_26_dd_rms vs Slug



Right In: 220.940+/-0.056 χ^2/NDF: 321515.2/17

Left Out: 215.807+/-0.035 χ^2/NDF:188699.2/24

Right Out: 222.153+/-0.054 χ^2/NDF: 454431.5/20

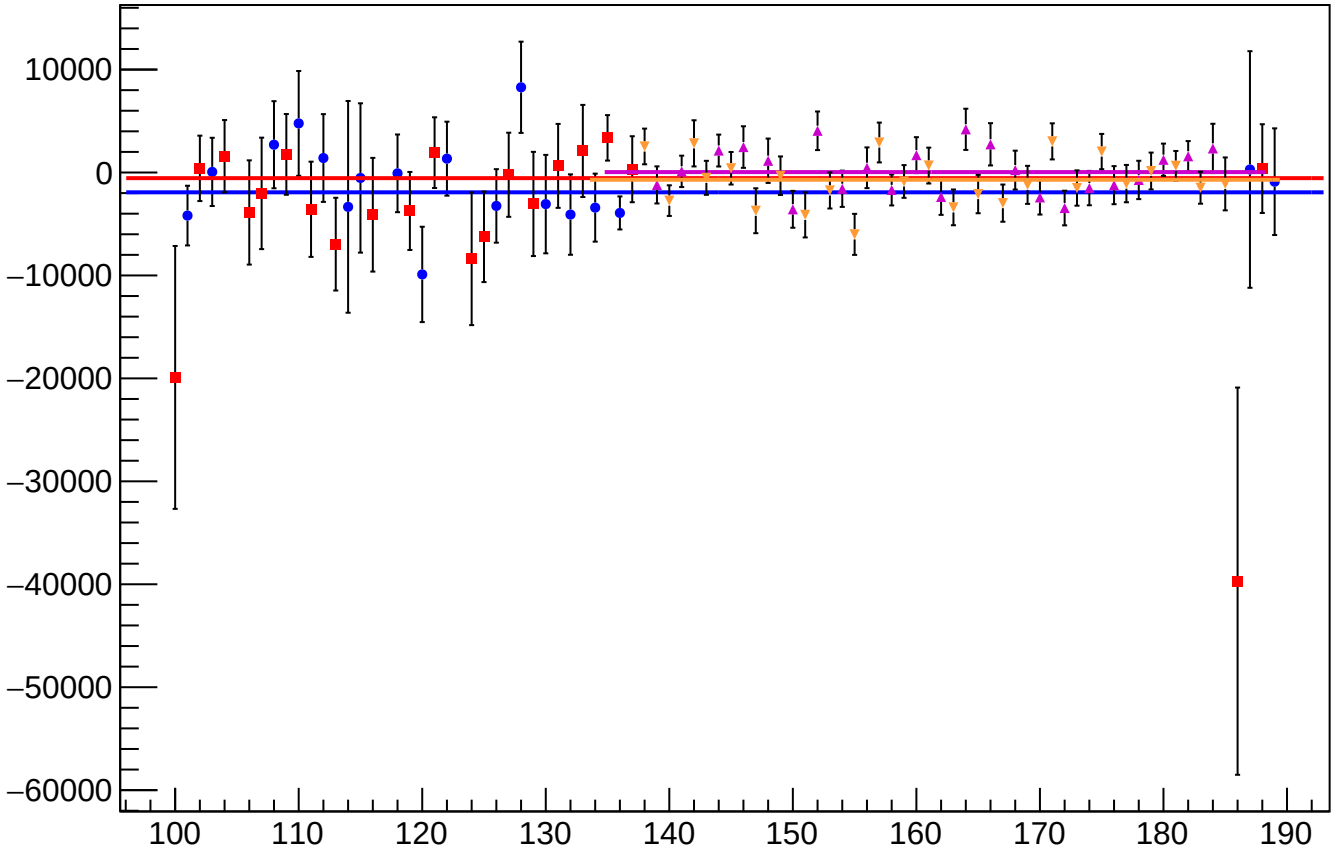
Left In: 217.555+/-0.036 χ^2/NDF:161066.4/22

\+ sign 217.236+/-0.030 χ^2/NDF: 516287.1/42

All: 218.100+/-0.021 χ^2/NDF: 1138587.4/86

\- sign 218.986+/-0.030 χ^2/NDF: 620566.5/43

asym_sam_26_dd_dit_correction_mean vs Slug



Right In: -1924.953+/-861.897 χ^2/NDF: 16.2/17

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: -548.092+/-893.807 χ^2/NDF: 19.1/20

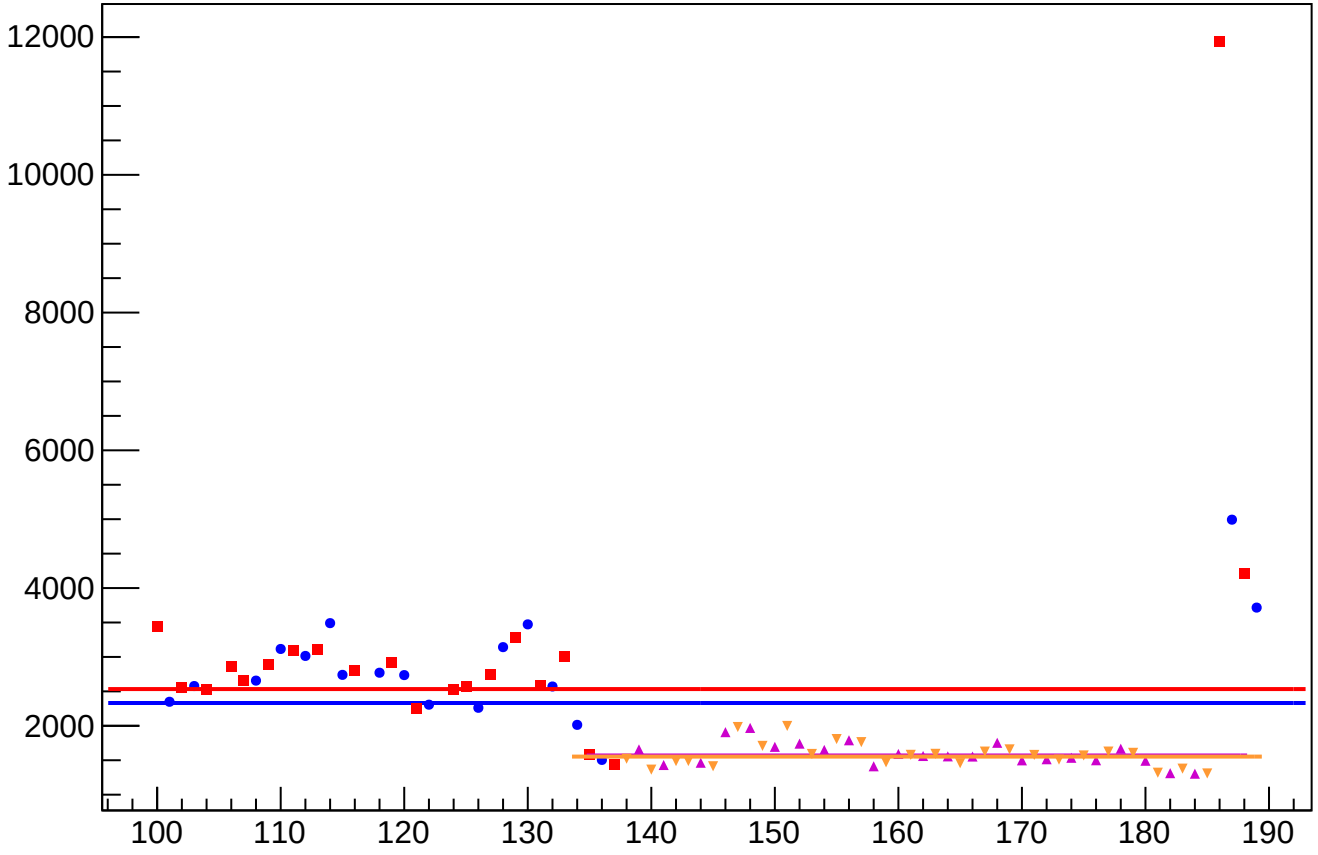
Left In: 39.658+/-368.873 χ^2/NDF:34.3/22

+ sign -881.493+/-328.612 χ^2/NDF: 55.6/42

All: -479.112+/-236.614 χ^2/NDF: 112.5/86

- sign -45.879+/-340.977 χ^2/NDF: 53.8/43

asym_sam_26_dd_dit_correction_rms vs Slug



Right In: 2331.256+/-0.609 χ^2/NDF: 1185062.0/17

Left Out: 1553.019+/-0.251 χ^2/NDF:409933.8/24

Right Out: 2533.453+/-0.632 χ^2/NDF: 1619414.3/20

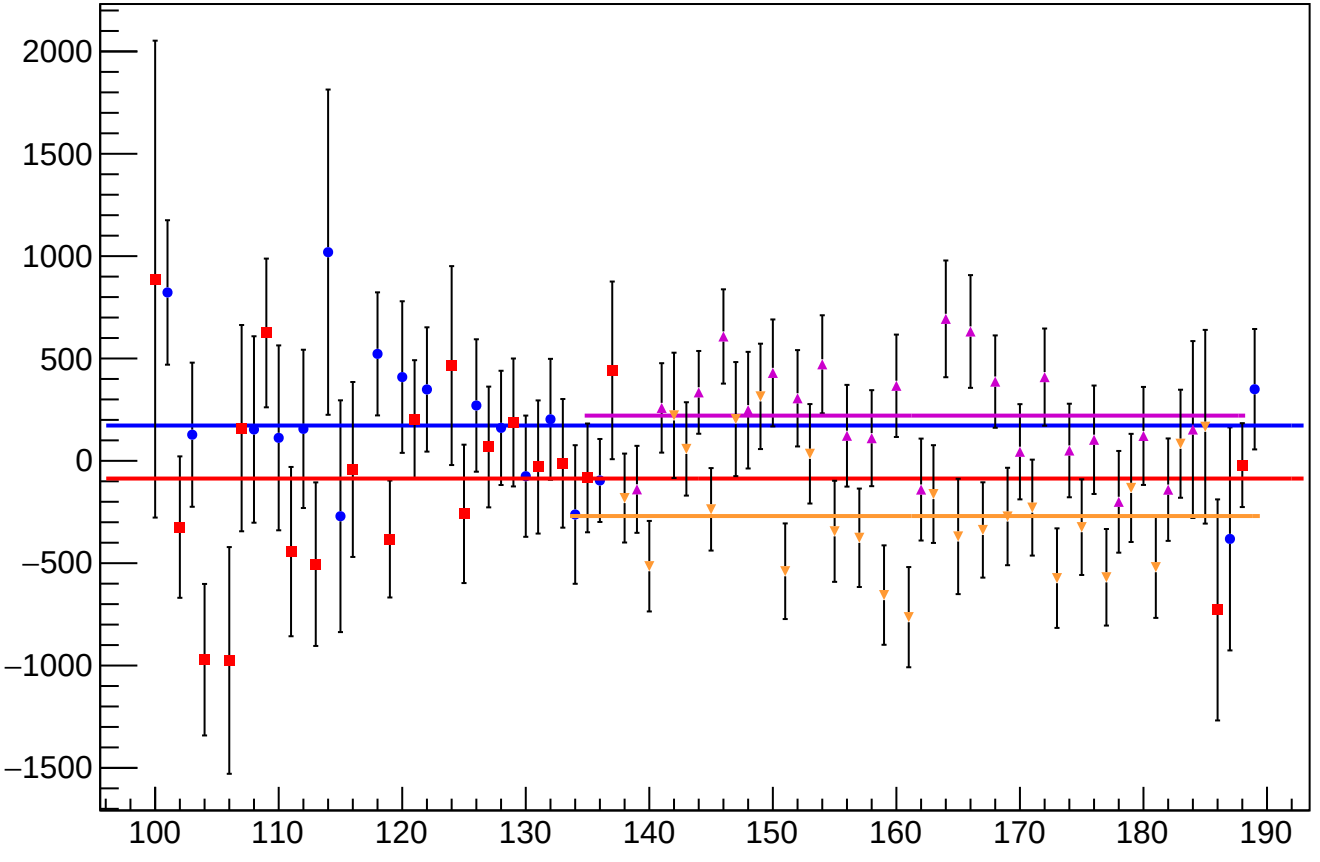
Left In: 1569.383+/-0.261 χ^2/NDF:357481.9/22

+ sign 1666.147+/-0.232 χ^2/NDF: 2988550.1/42

All: 1687.113+/-0.167 χ^2/NDF: 6970526.4/86

- sign 1709.687+/-0.241 χ^2/NDF: 3965068.6/43

eigen_dit_asym_sam_26_dd_mean vs Slug



Right In: 172.535+/-79.135 χ^2/NDF: 12.9/17

Left Out: -269.680+/-49.158 χ^2/NDF:31.5/24

Right Out: -86.499+/-75.808 χ^2/NDF: 23.1/20

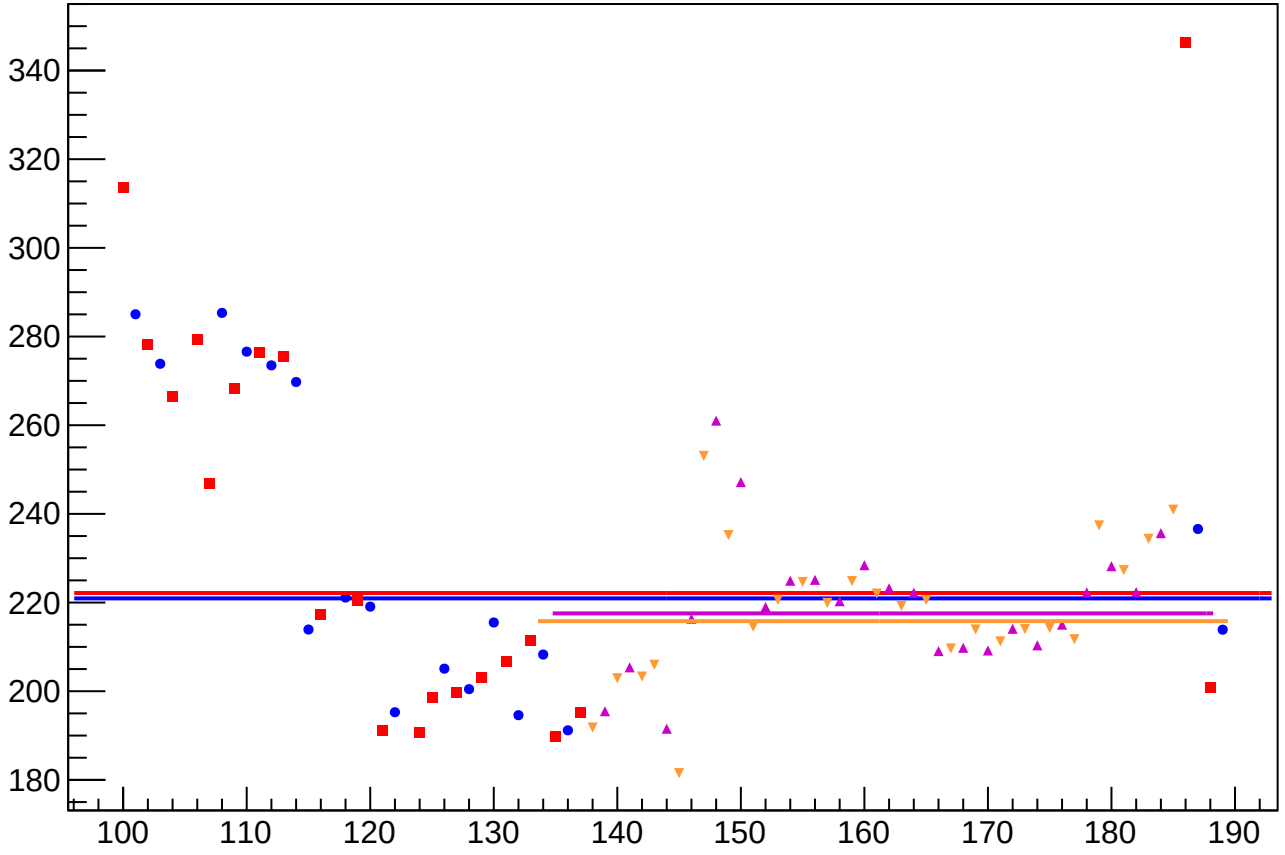
Left In: 220.927+/-50.956 χ^2/NDF:23.4/22

+ sign -146.552+/-41.757 χ^2/NDF: 66.9/42

All: -12.372+/-29.713 χ^2/NDF: 145.6/86

- sign 125.255+/-42.290 χ^2/NDF: 57.8/43

eigen_dit_asym_sam_26_dd_rms vs Slug



Right In: 220.939+/-0.056 χ^2/NDF: 321509.8/17

Left Out: 215.806+/-0.035 χ^2/NDF:188703.4/24

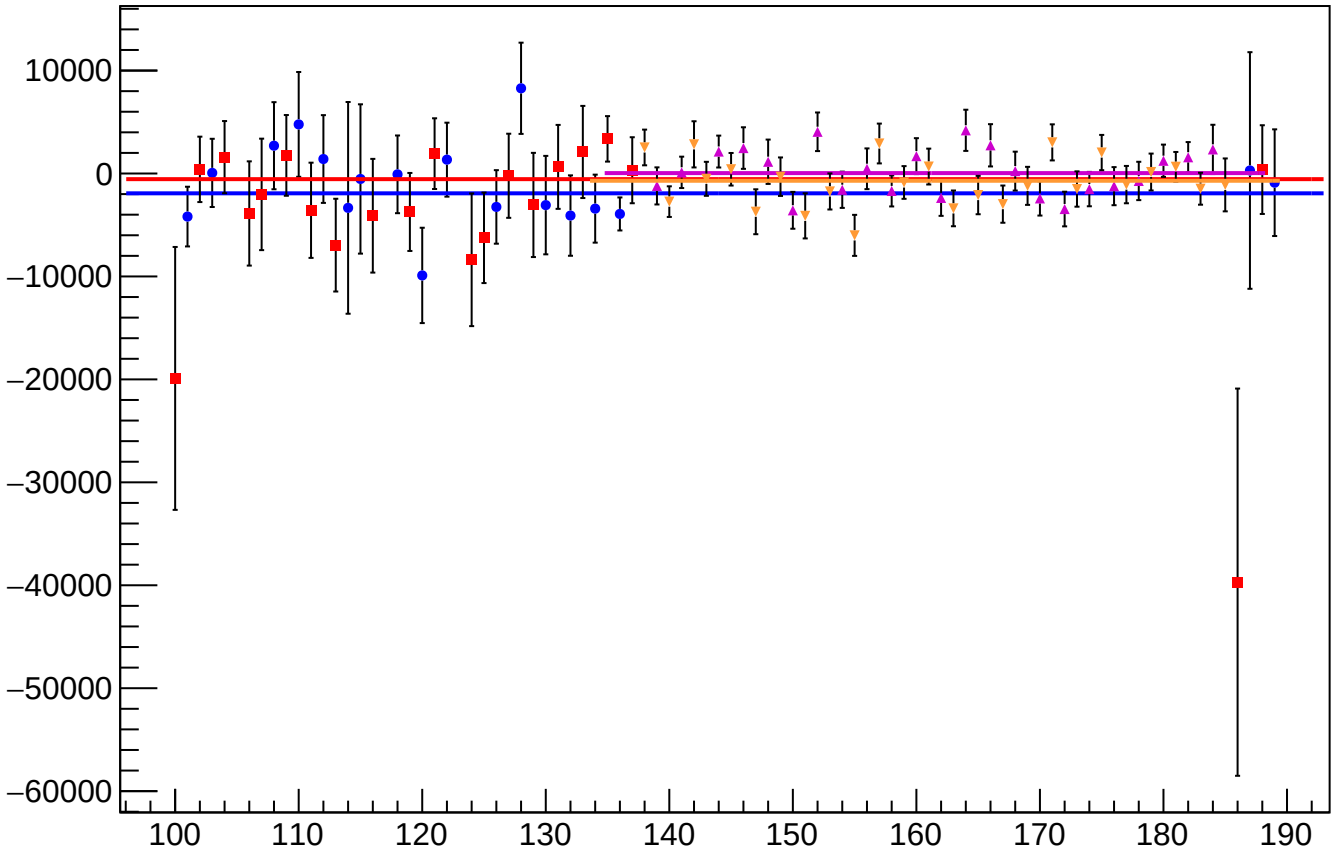
Right Out: 222.152+/-0.054 χ^2/NDF: 454416.2/20

Left In: 217.555+/-0.036 χ^2/NDF:161069.0/22

+ sign 217.235+/-0.030 χ^2/NDF: 516283.5/42

All: 218.099+/-0.021 χ^2/NDF: 1138569.7/86

- sign 218.985+/-0.030 χ^2/NDF: 620552.3/43



Right In: -1924.949+/-861.895 χ^2/NDF: 16.2/17

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: -548.093+/-893.806 χ^2/NDF: 19.1/20

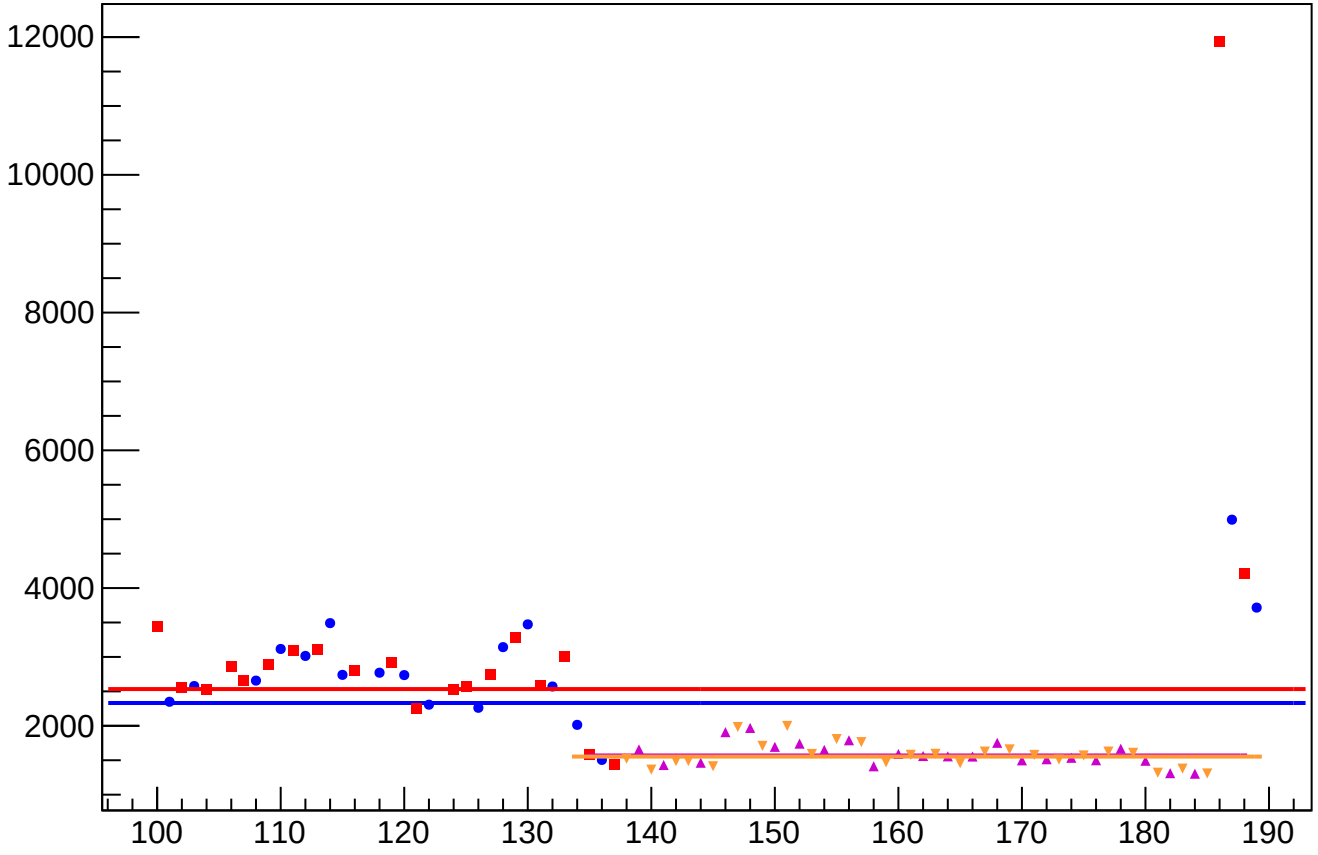
Left In: 39.657+/-368.873 χ^2/NDF:34.3/22

\+ sign -881.493+/-328.612 χ^2/NDF: 55.6/42

All: -479.112+/-236.614 χ^2/NDF: 112.5/86

\- sign -45.881+/-340.977 χ^2/NDF: 53.8/43

asym_sam_26_dd_eigen_dit_correction_rms vs Slug



Right In: 2331.253+/-0.609 χ^2/NDF: 1185052.9/17

Left Out: 1553.020+/-0.251 χ^2/NDF:409936.6/24

Right Out: 2533.449+/-0.632 χ^2/NDF: 1619409.6/20

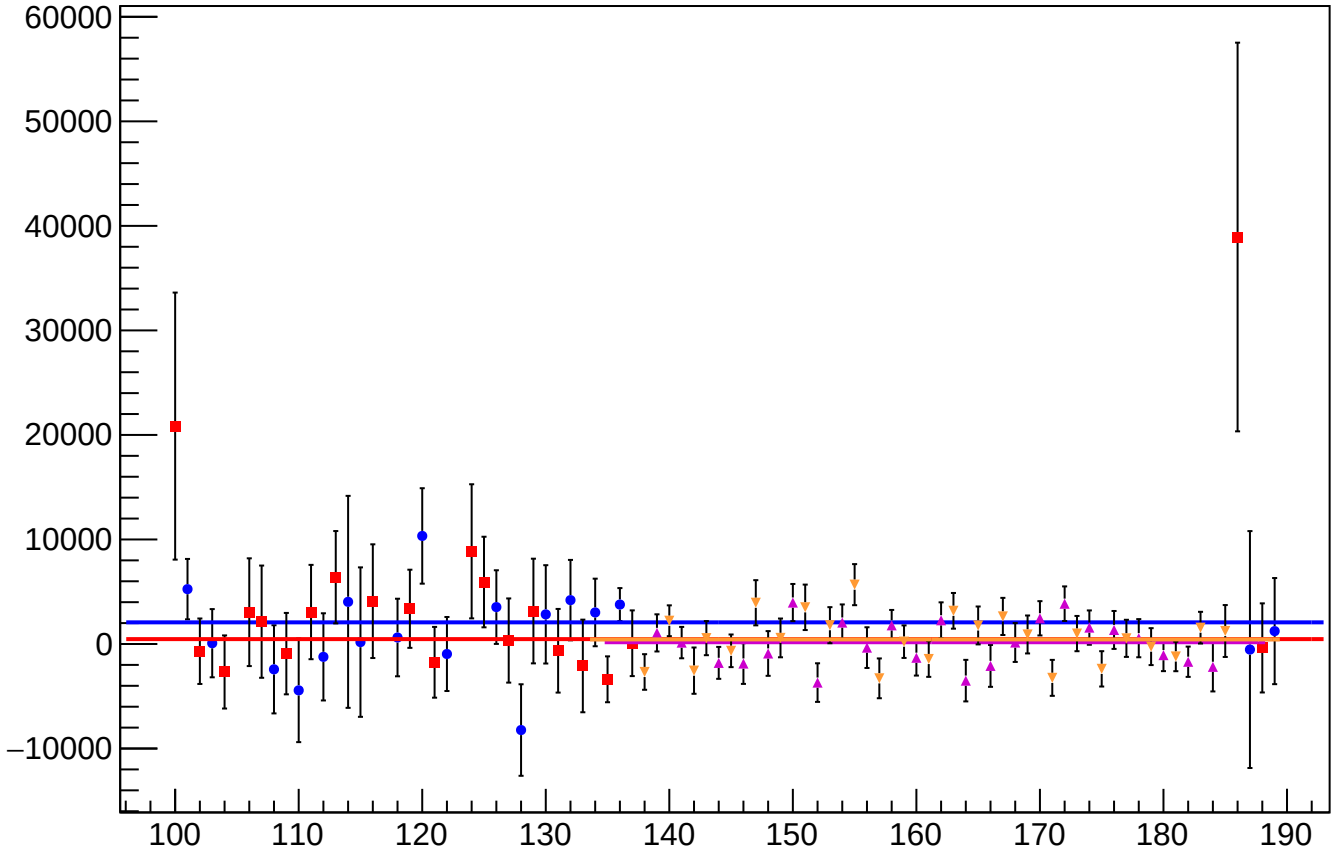
Left In: 1569.383+/-0.261 χ^2/NDF:357484.6/22

+ sign 1666.147+/-0.232 χ^2/NDF: 2988535.8/42

All: 1687.113+/-0.167 χ^2/NDF: 6970499.9/86

- sign 1709.687+/-0.241 χ^2/NDF: 3965056.7/43

asym_sam_26_dd_mean vs Slug



Right In: 2070.237+/-848.681 χ^2/NDF: 16.7/17

Left Out: 437.522+/-349.581 χ^2/NDF:38.9/24

Right Out: 467.213+/-883.717 χ^2/NDF: 19.0/20

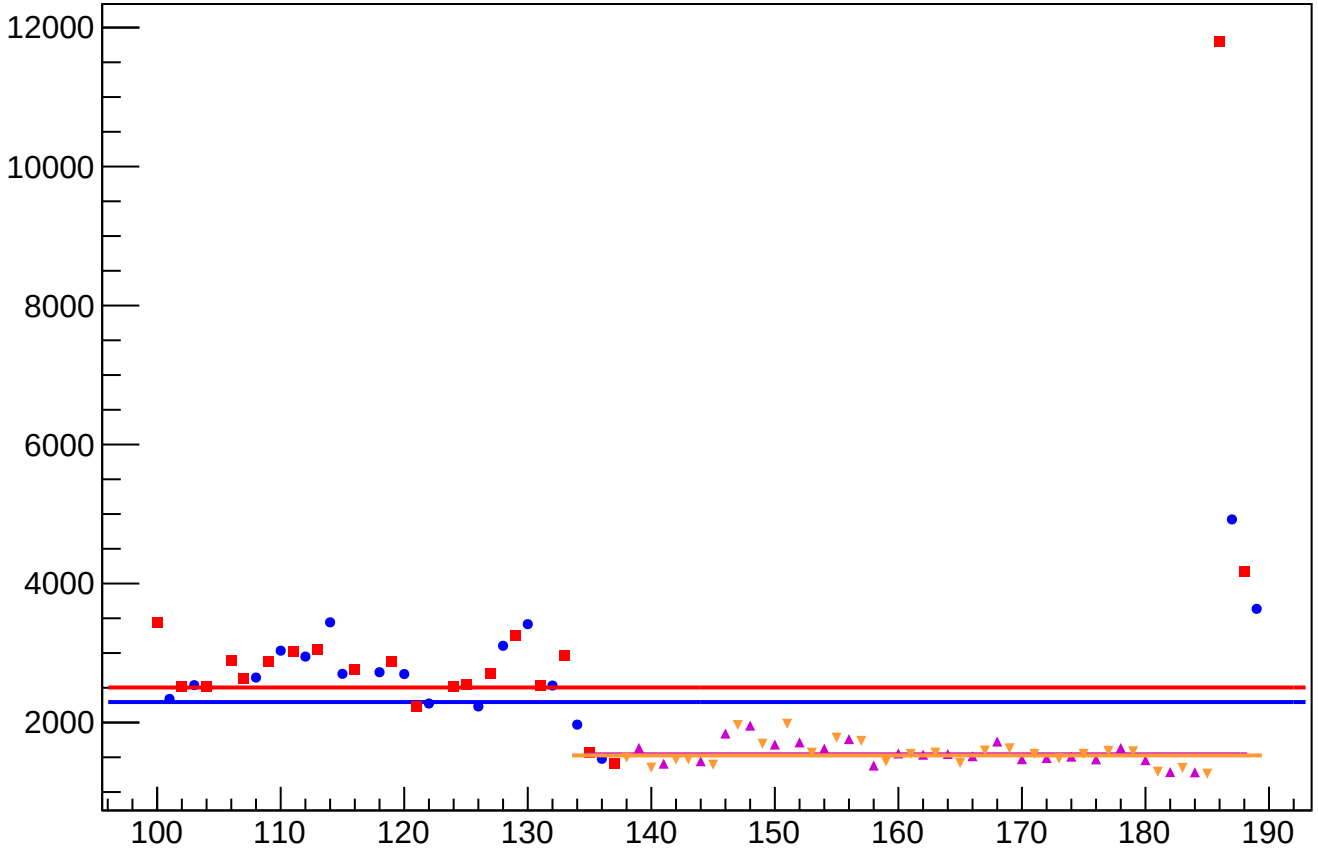
Left In: 169.827+/-362.550 χ^2/NDF:33.0/22

+ sign 674.361+/-323.233 χ^2/NDF: 58.7/42

All: 452.055+/-232.750 χ^2/NDF: 111.8/86

- sign 212.669+/-335.420 χ^2/NDF: 52.1/43

asym_sam_26_dd_rms vs Slug



Right In: 2294.667+/-0.600 χ^2/NDF: 1188601.4/17

Left Out: 1526.726+/-0.247 χ^2/NDF:429467.0/24

Right Out: 2504.163+/-0.625 χ^2/NDF: 1617667.7/20

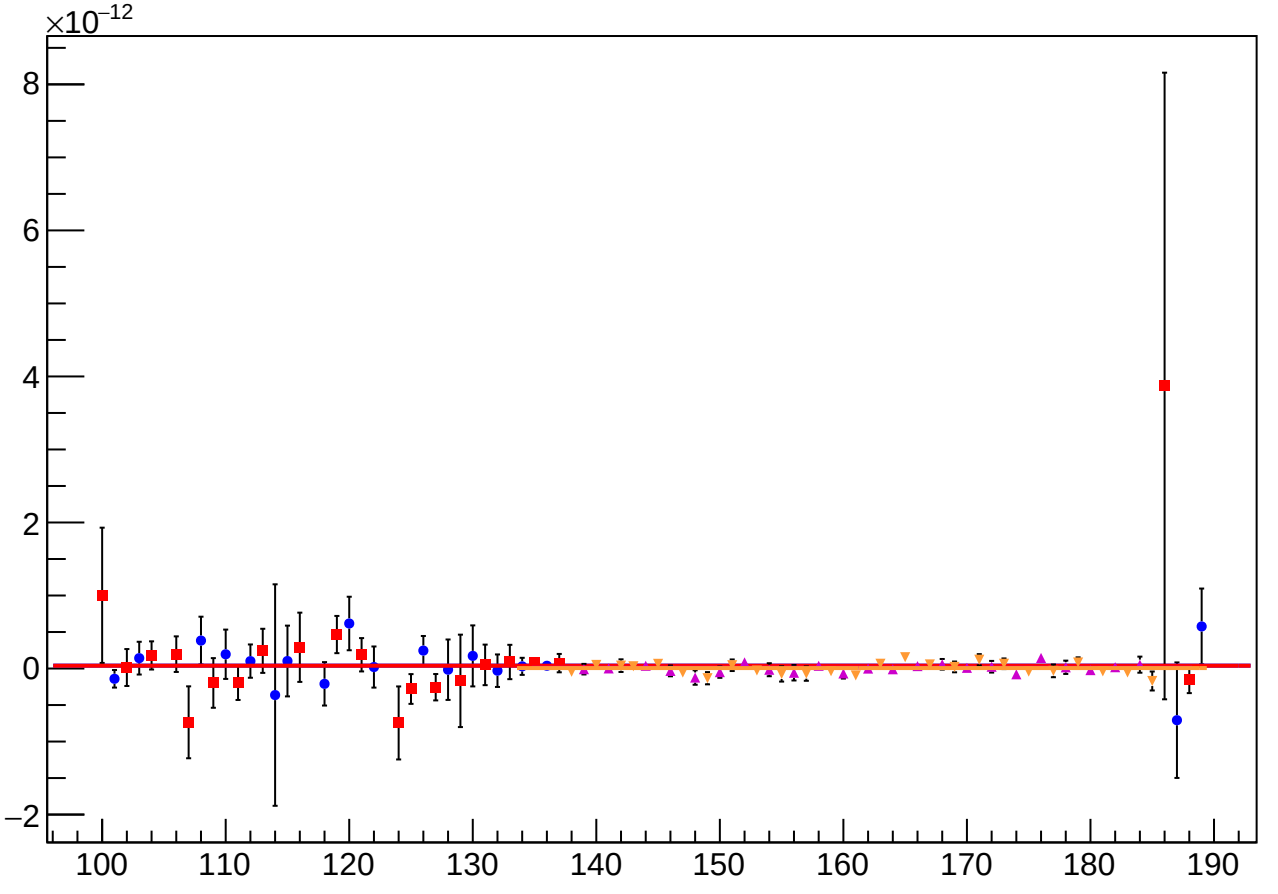
Left In: 1542.262+/-0.256 χ^2/NDF:362291.1/22

+ sign 1638.122+/-0.229 χ^2/NDF: 3018082.8/42

All: 1658.689+/-0.165 χ^2/NDF: 7043034.6/86

- sign 1680.836+/-0.237 χ^2/NDF: 4008135.1/43

asym_sam_26_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:30.8/24

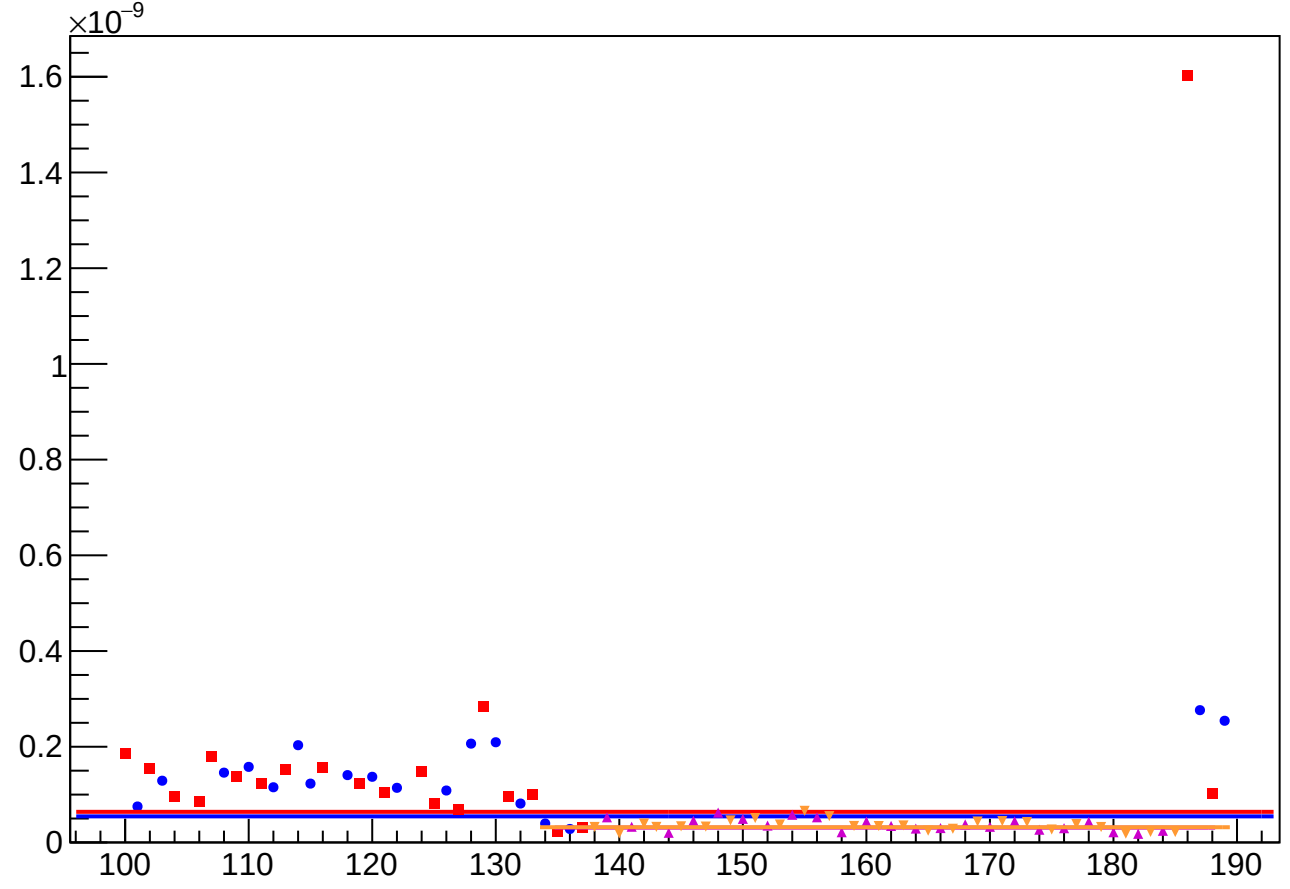
Right Out: 0.000+/-0.000 χ^2/NDF: 20.1/20

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.9/42

All: 0.000+/-0.000 χ^2/NDF: 79.4/86

- sign 0.000+/-0.000 χ^2/NDF: 37.5/43



Right In: 0.000+/-0.000 χ^2/NDF: 3033410.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:1231140.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2761002.1/20

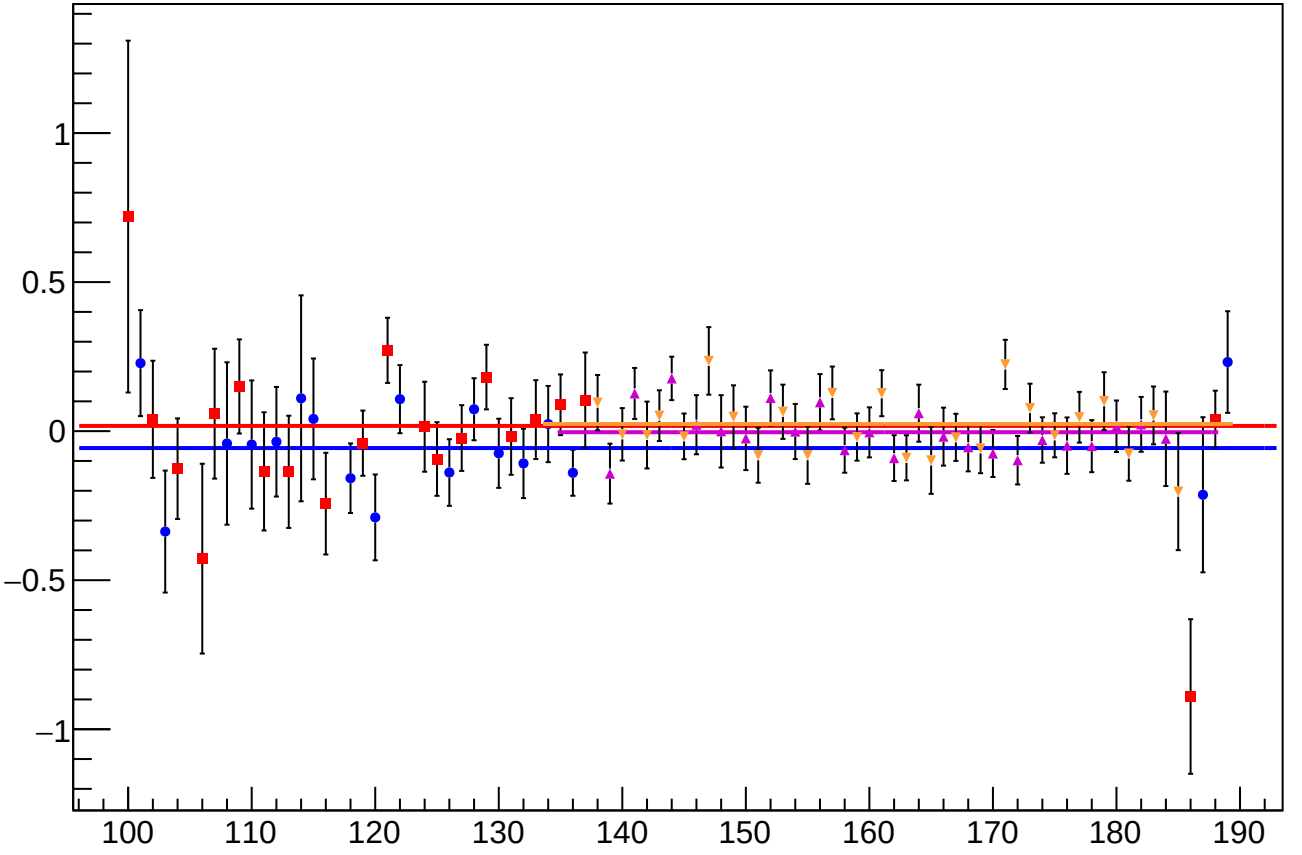
Left In: 0.000+/-0.000 χ^2/NDF:1593815.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 4969412.9/42

All: 0.000+/-0.000 χ^2/NDF: 10445095.8/86

- sign 0.000+/-0.000 χ^2/NDF: 5474468.1/43

asym_sam_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.057+/-0.032 χ^2/NDF: 17.5/17

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: 0.018+/-0.031 χ^2/NDF: 30.5/20

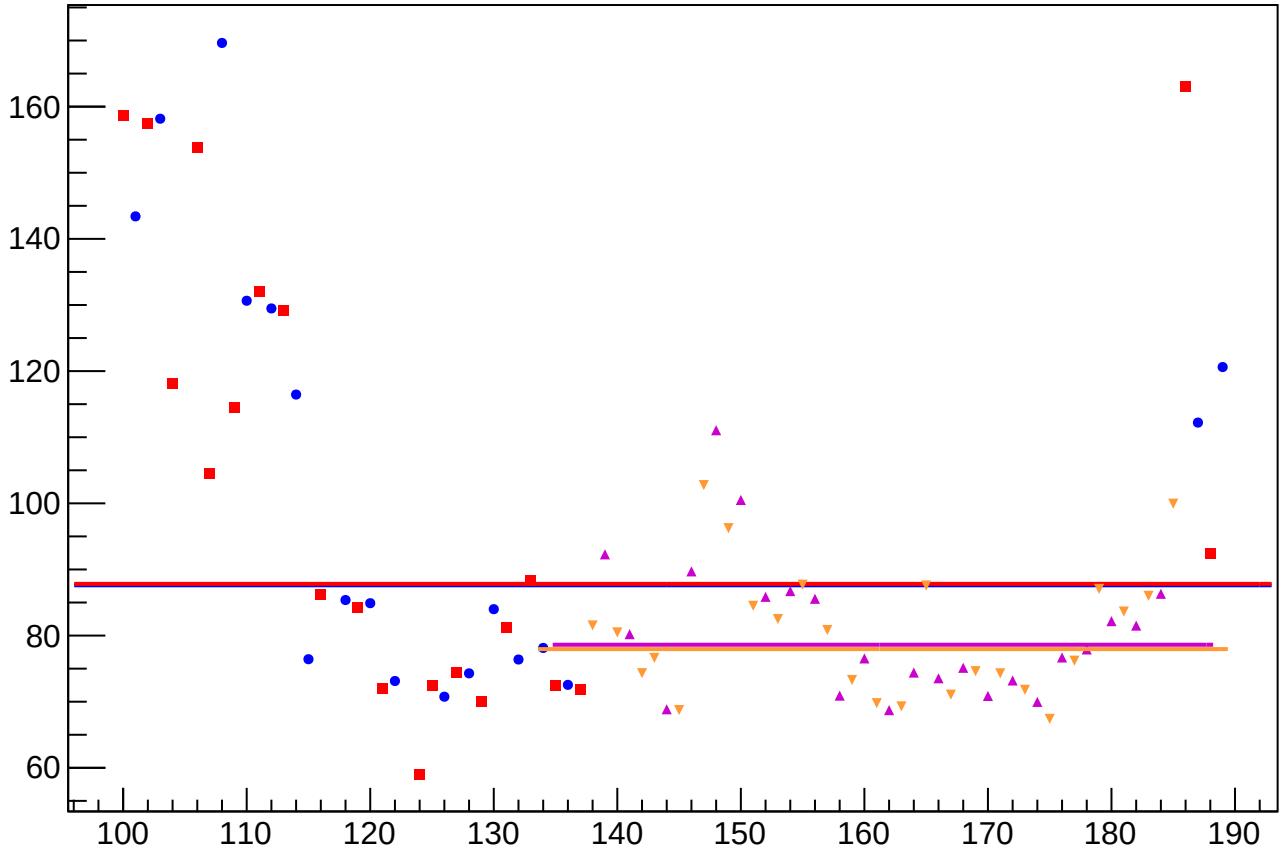
Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.005+/-0.016 χ^2/NDF: 47.7/42

All: 0.004+/-0.011 χ^2/NDF: 97.5/86

- sign 0.002+/-0.016 χ^2/NDF: 49.7/43

asym_sam_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 87.609+/-0.023 χ^2/NDF: 1132848.1/17

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

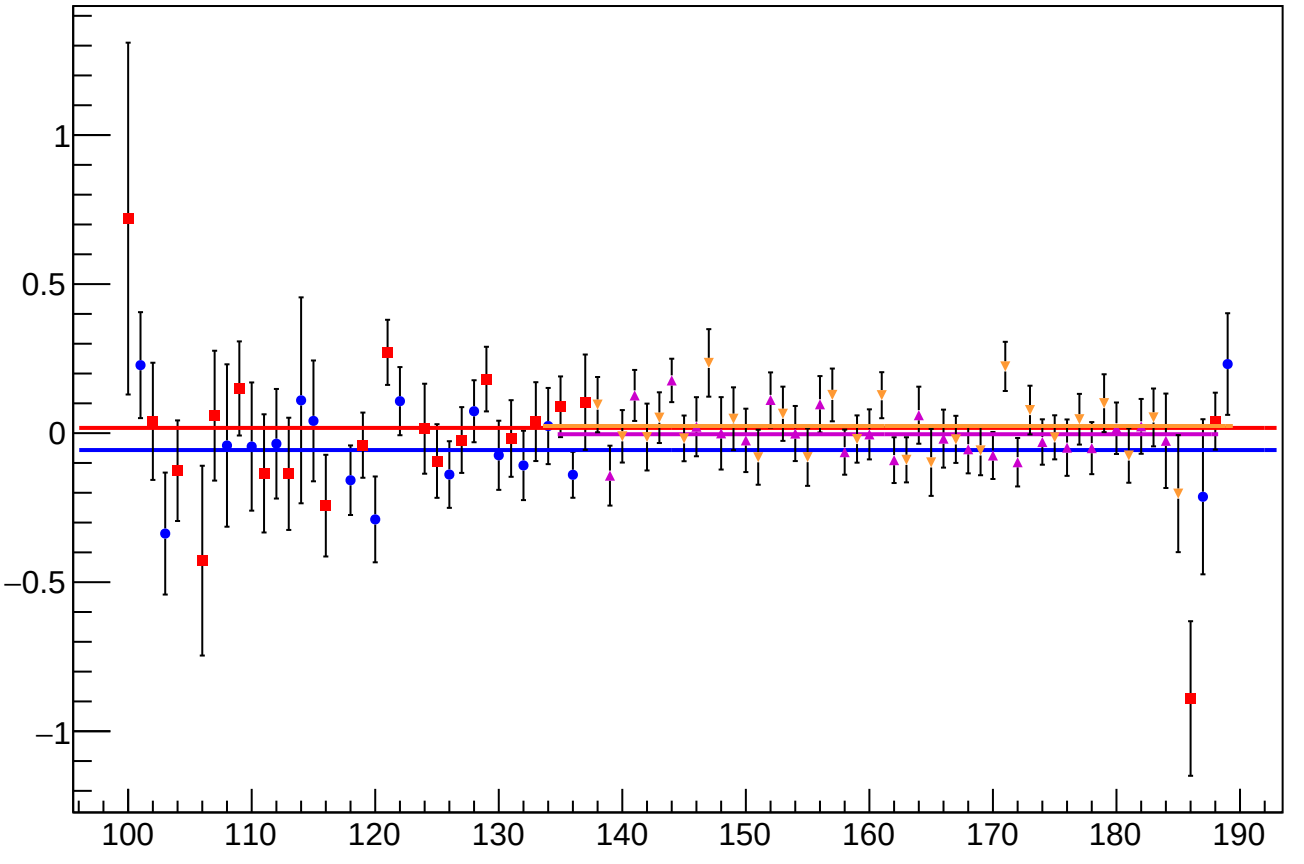
Right Out: 87.825+/-0.022 χ^2/NDF: 1169508.8/20

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

+ sign 80.202+/-0.011 χ^2/NDF: 1708456.4/42

All: 80.620+/-0.008 χ^2/NDF: 3508996.8/86

- sign 81.053+/-0.011 χ^2/NDF: 1797630.6/43



Right In: -0.057+/-0.032 χ^2/NDF: 17.5/17

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

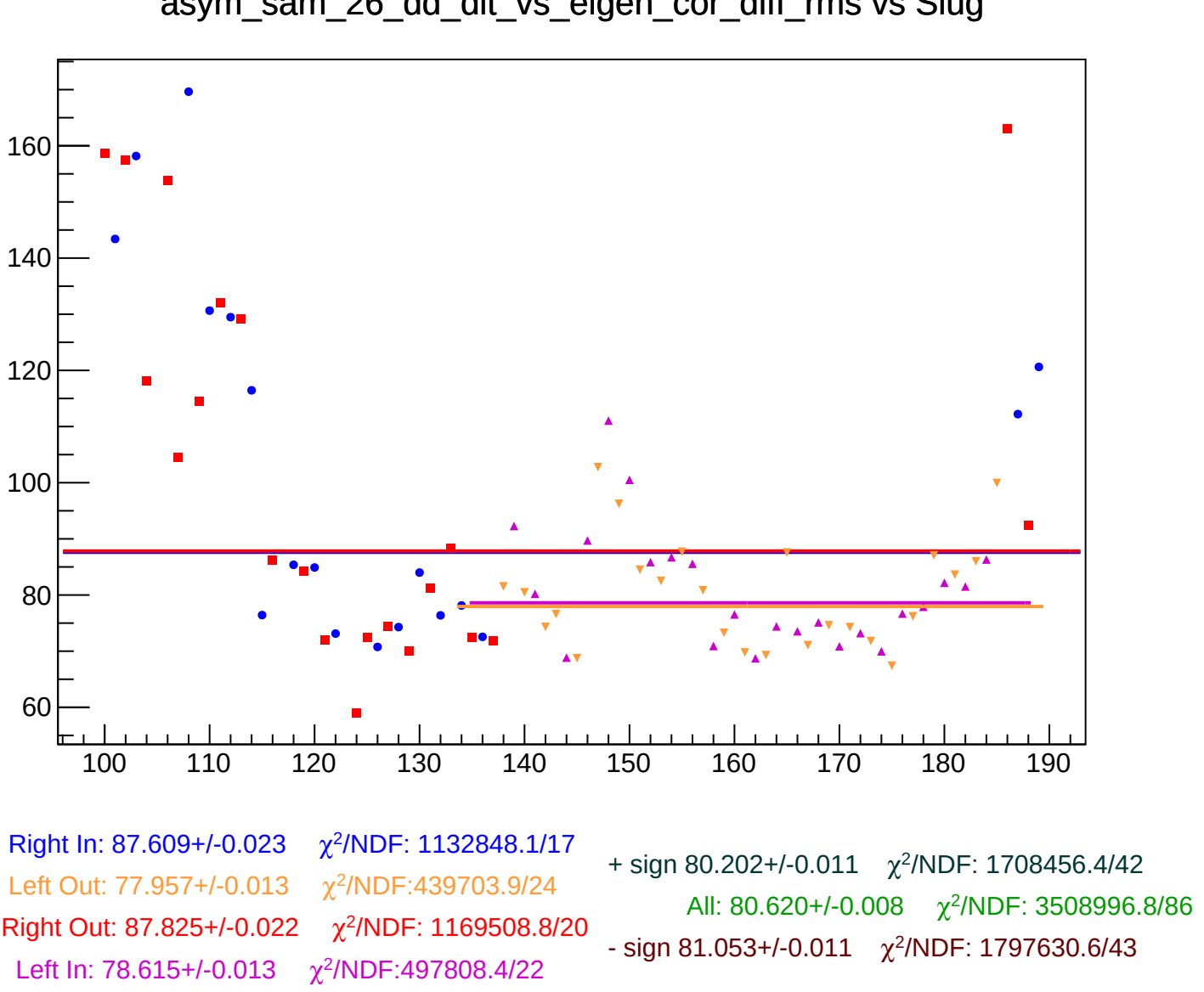
Right Out: 0.018+/-0.031 χ^2/NDF: 30.5/20

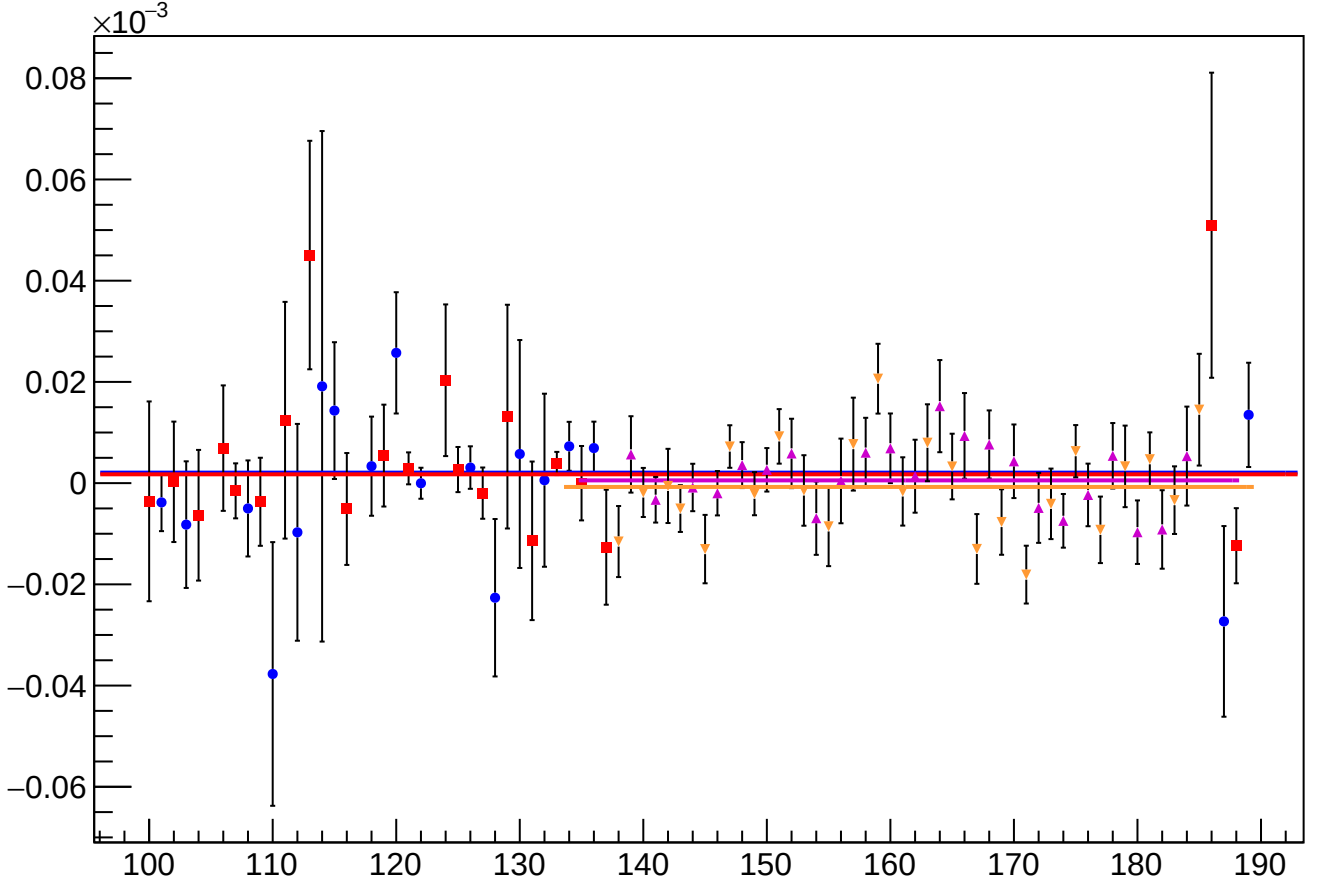
Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.005+/-0.016 χ^2/NDF: 47.7/42

All: 0.004+/-0.011 χ^2/NDF: 97.5/86

- sign 0.002+/-0.016 χ^2/NDF: 49.7/43


asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs Slug
160
140
120
100
80
60
100
110
120
130
140
150
160
170
180
190
Right In: 87.609+/-0.023 χ²/NDF: 1132848.1/17
Left Out: 77.957+/-0.013 χ²/NDF:439703.9/24
Right Out: 87.825+/-0.022 χ²/NDF: 1169508.8/20
Left In: 78.615+/-0.013 χ²/NDF:497808.4/22
+ sign 80.202+/-0.011 χ²/NDF: 1708456.4/42
All: 80.620+/-0.008 χ²/NDF: 3508996.8/86
- sign 81.053+/-0.011 χ²/NDF: 1797630.6/43



Right In: 0.000+/-0.000 χ^2/NDF: 18.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:47.6/24

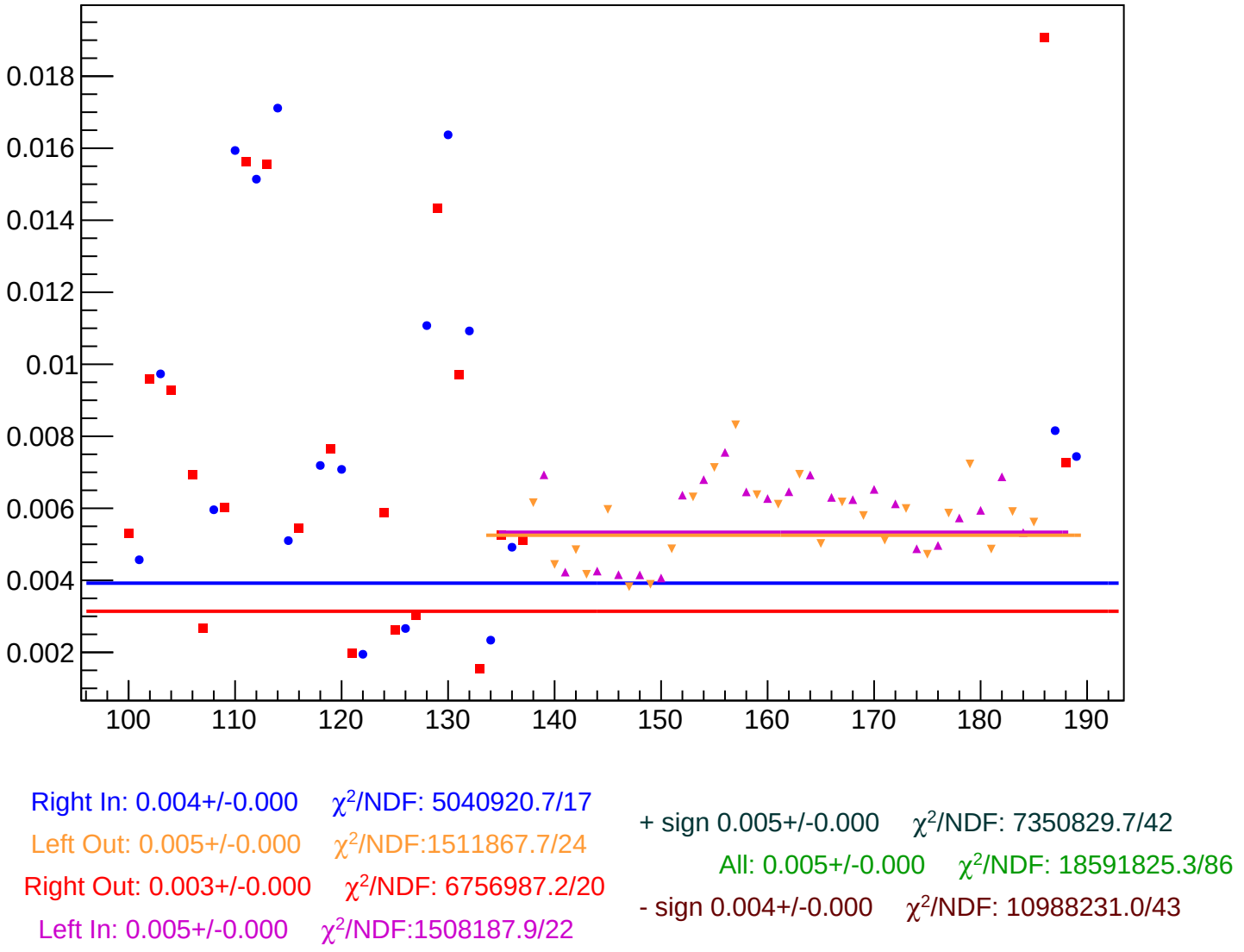
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/20

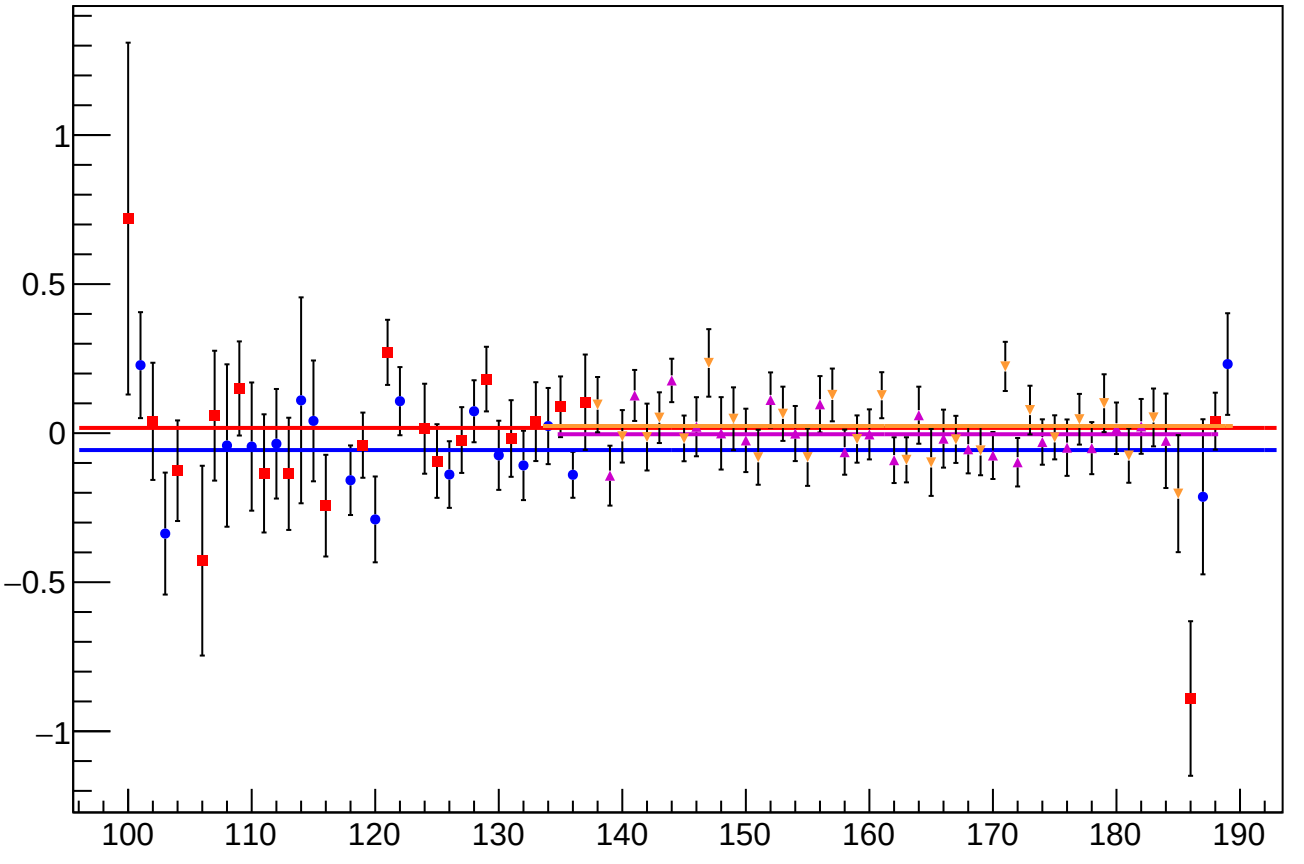
Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.9/42

All: 0.000+/-0.000 χ^2/NDF: 105.3/86

- sign 0.000+/-0.000 χ^2/NDF: 36.9/43


asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
180
190
Right In: 0.004+/-0.000 χ²/NDF: 5040920.7/17
Left Out: 0.005+/-0.000 χ²/NDF:1511867.7/24
Right Out: 0.003+/-0.000 χ²/NDF: 6756987.2/20
Left In: 0.005+/-0.000 χ²/NDF:1508187.9/22
+ sign 0.005+/-0.000 χ²/NDF: 7350829.7/42
All: 0.005+/-0.000 χ²/NDF: 18591825.3/86
- sign 0.004+/-0.000 χ²/NDF: 10988231.0/43



Right In: -0.057+/-0.032 χ^2/NDF: 17.5/17

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

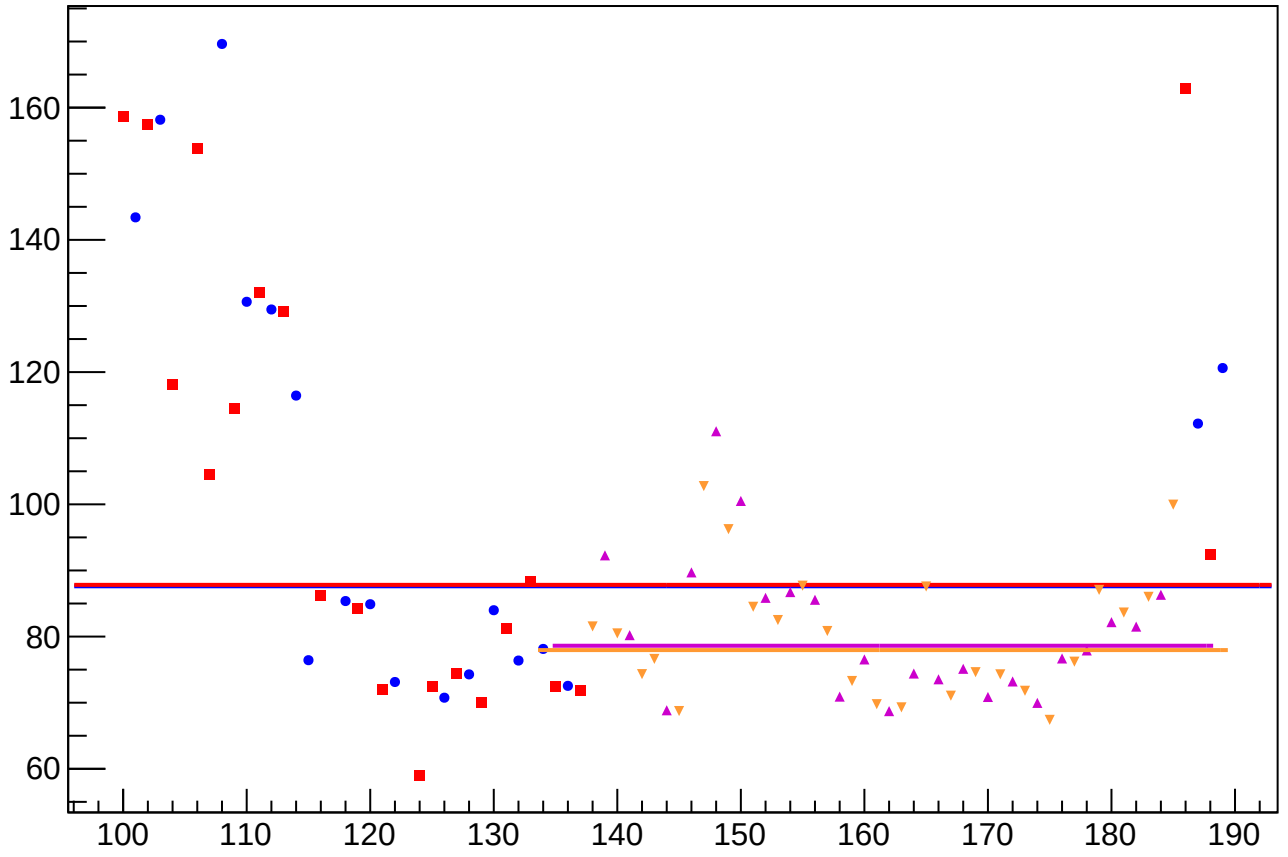
Right Out: 0.018+/-0.031 χ^2/NDF: 30.5/20

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.005+/-0.016 χ^2/NDF: 47.7/42

All: 0.004+/-0.011 χ^2/NDF: 97.5/86

- sign 0.002+/-0.016 χ^2/NDF: 49.7/43



Right In: 87.606+/-0.023 χ^2/NDF: 1132840.4/17

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

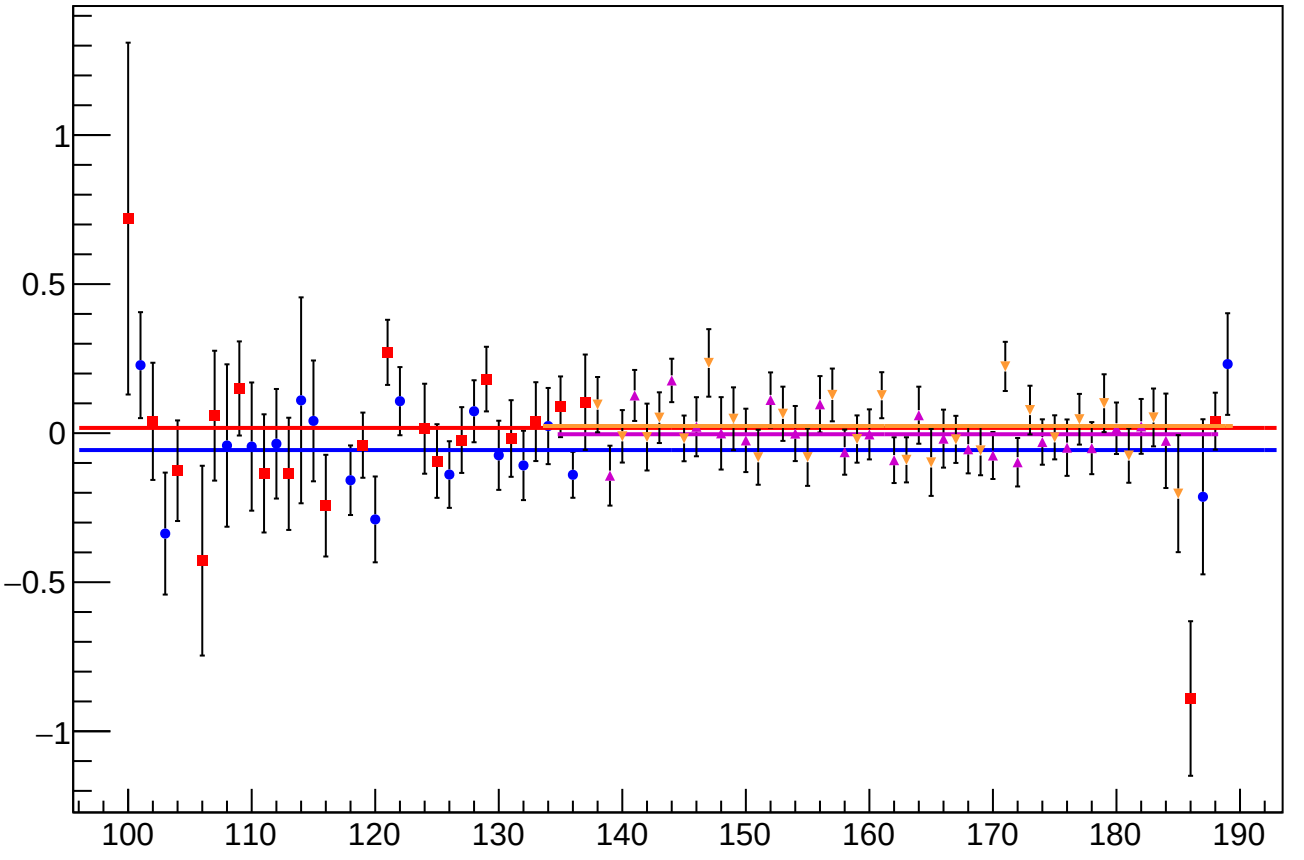
Right Out: 87.823+/-0.022 χ^2/NDF: 1169480.6/20

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

+ sign 80.201+/-0.011 χ^2/NDF: 1708437.4/42

All: 80.619+/-0.008 χ^2/NDF: 3508952.5/86

- sign 81.052+/-0.011 χ^2/NDF: 1797606.5/43



Right In: -0.057+/-0.032 χ^2/NDF: 17.5/17

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

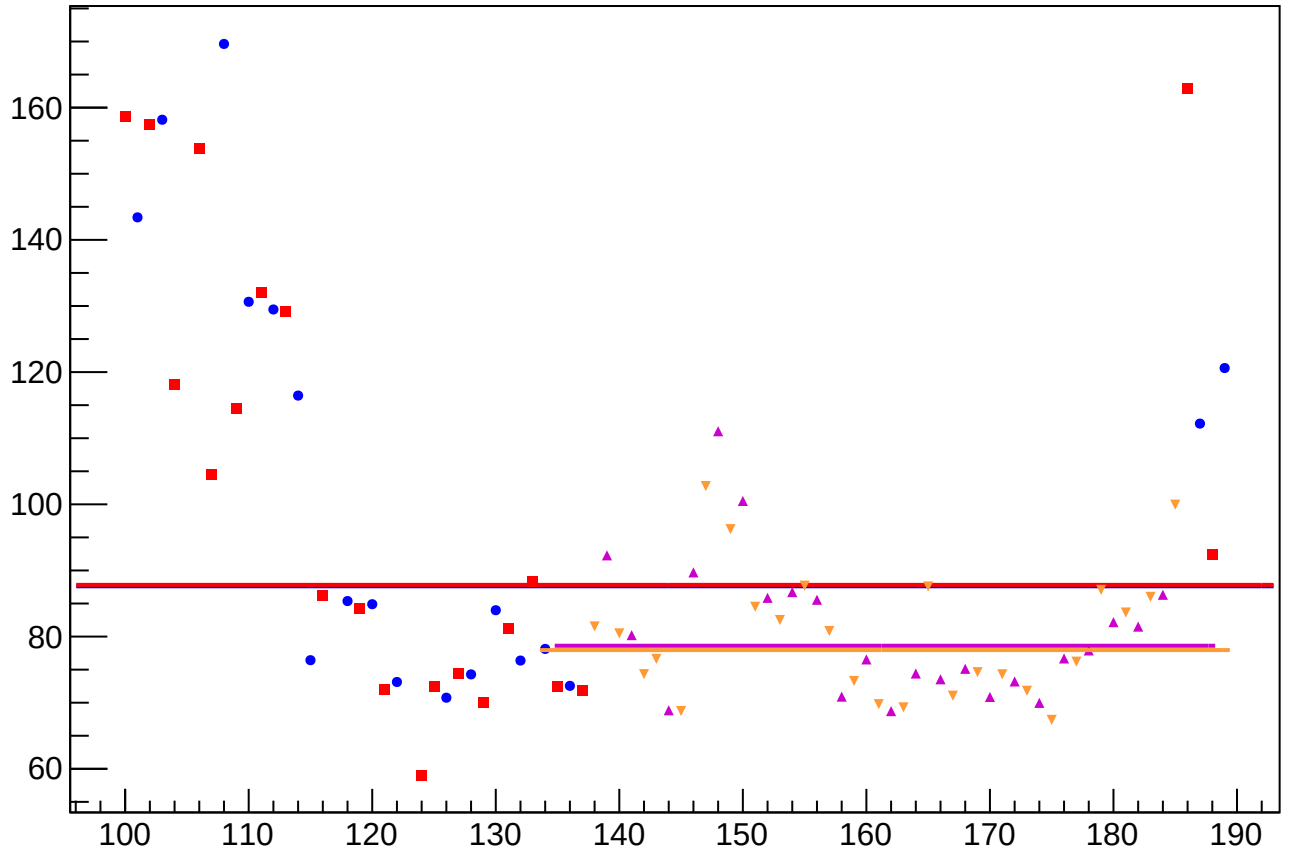
Right Out: 0.018+/-0.031 χ^2/NDF: 30.5/20

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.005+/-0.016 χ^2/NDF: 47.7/42

All: 0.004+/-0.011 χ^2/NDF: 97.5/86

- sign 0.002+/-0.016 χ^2/NDF: 49.7/43



Right In: 87.606+/-0.023 χ^2/NDF: 1132840.4/17

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

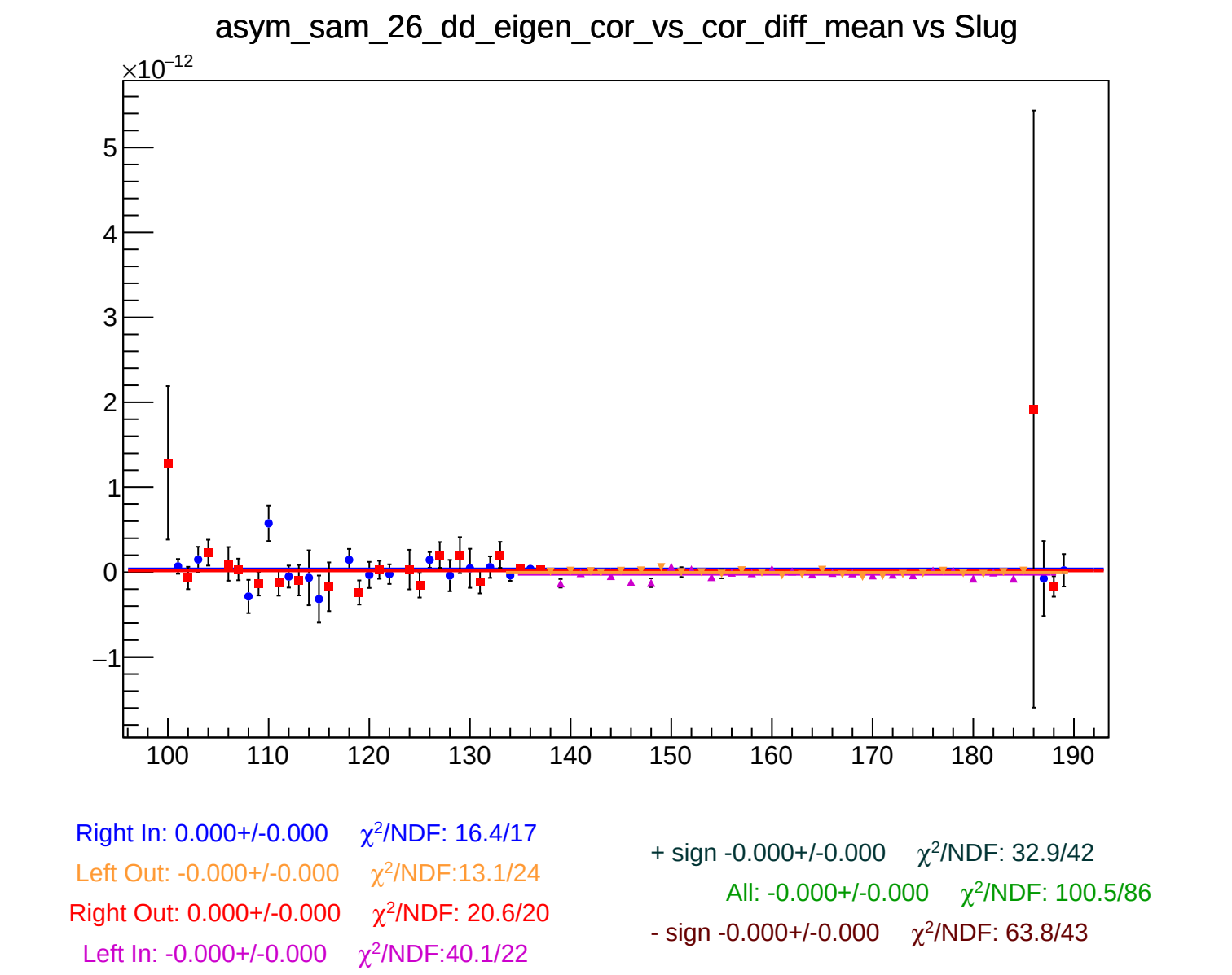
Right Out: 87.823+/-0.022 χ^2/NDF: 1169480.6/20

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

+ sign 80.201+/-0.011 χ^2/NDF: 1708437.4/42

All: 80.619+/-0.008 χ^2/NDF: 3508952.5/86

- sign 81.052+/-0.011 χ^2/NDF: 1797606.5/43


asym_sam_26_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
5
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2
1
0
−1
100
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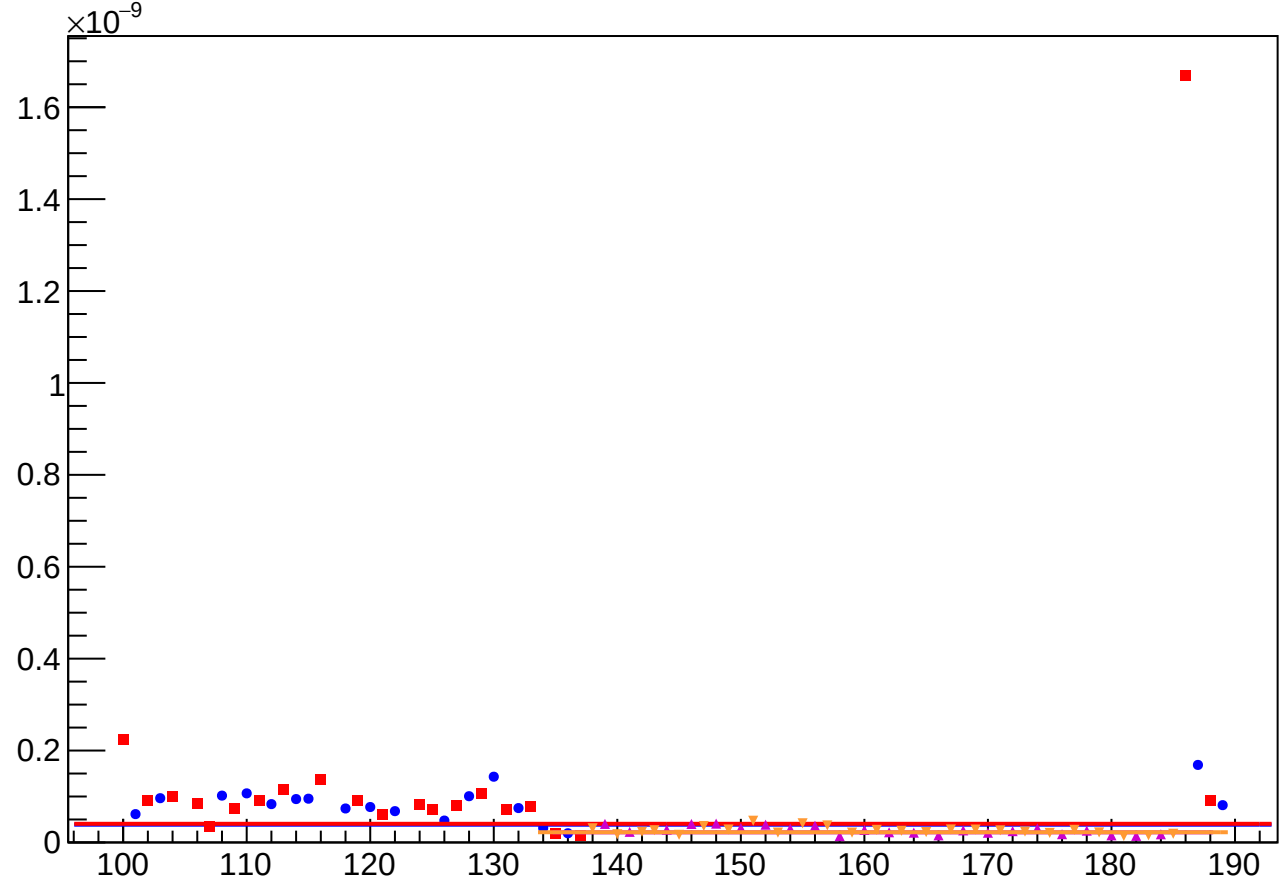
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 16.4/17
Left Out: -0.000+/-0.000 χ²/NDF:13.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 20.6/20
Left In: -0.000+/-0.000 χ²/NDF:40.1/22
+ sign -0.000+/-0.000 χ²/NDF: 32.9/42
All: -0.000+/-0.000 χ²/NDF: 100.5/86
- sign -0.000+/-0.000 χ²/NDF: 63.8/43



Right In: 0.000+/-0.000 χ^2/NDF: 3732512.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:2302790.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4924680.1/20

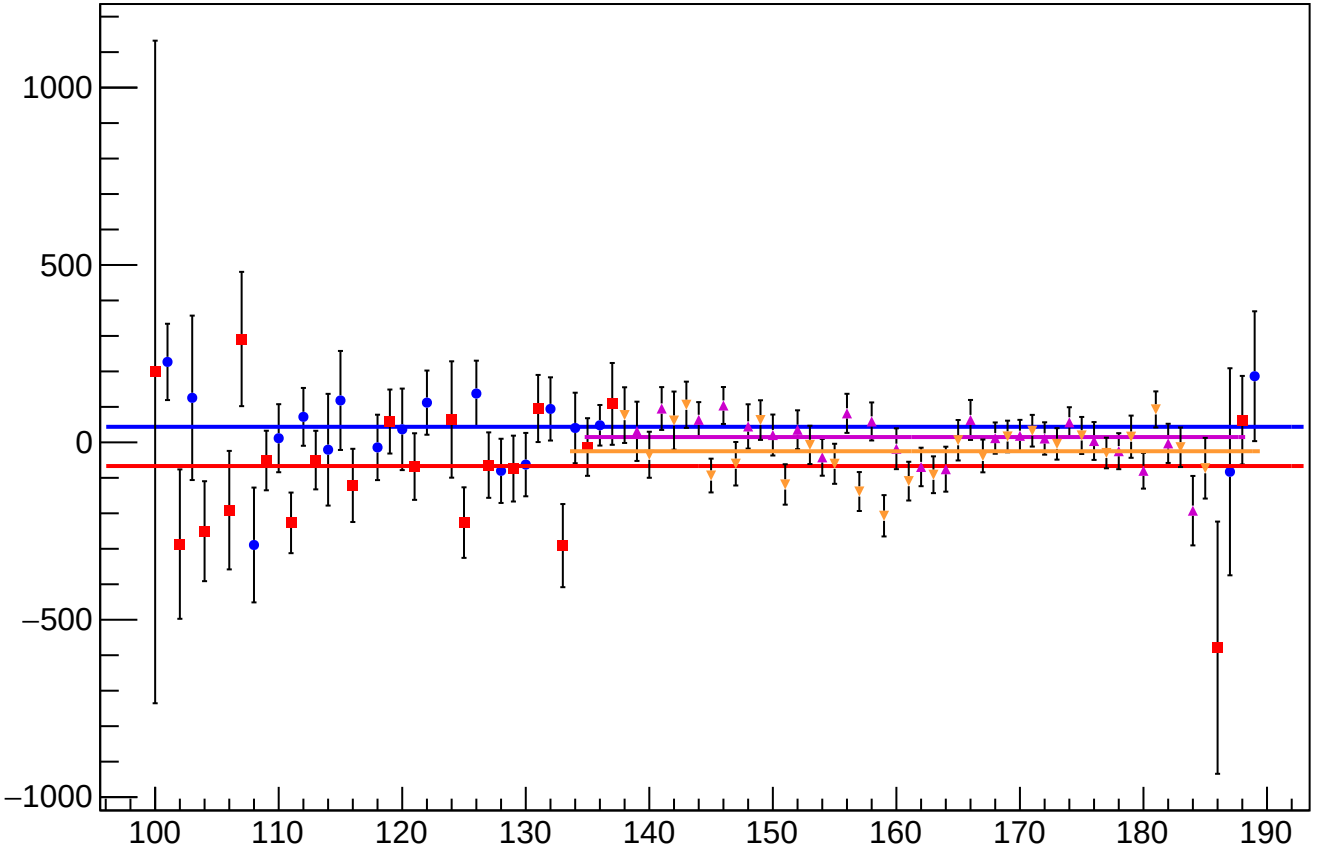
Left In: 0.000+/-0.000 χ^2/NDF:2802318.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7210170.9/42

All: 0.000+/-0.000 χ^2/NDF: 16272429.5/86

- sign 0.000+/-0.000 χ^2/NDF: 9061870.4/43

reg_asym_sam_37_dd_mean vs Slug



Right In: 43.843+/-23.917 χ^2/NDF: 14.4/17

Left Out: -24.988+/-10.888 χ^2/NDF:43.1/24

Right Out: -66.723+/-23.910 χ^2/NDF: 28.5/20

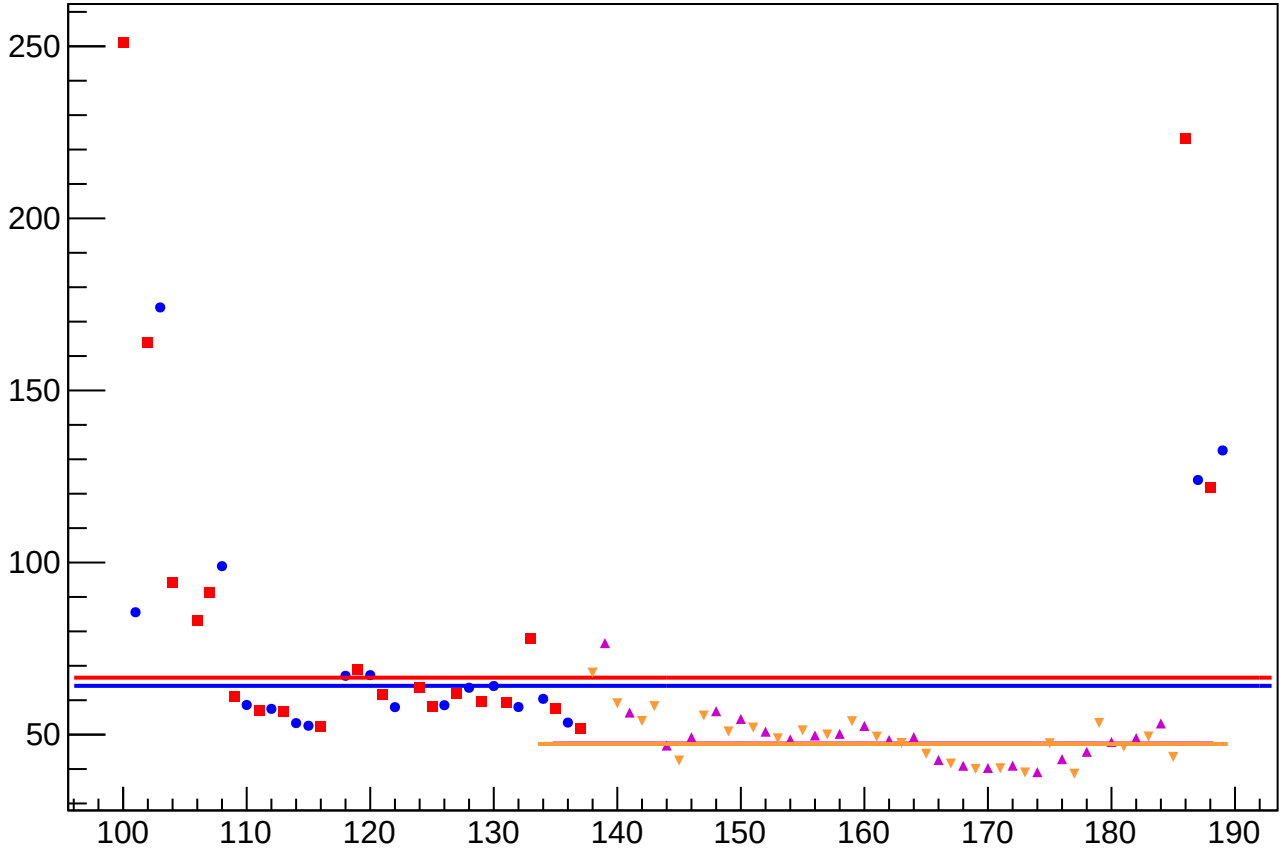
Left In: 14.994+/-11.218 χ^2/NDF:24.7/22

+ sign -13.173+/-9.909 χ^2/NDF: 64.3/42

All: -6.626+/-7.092 χ^2/NDF: 128.0/86

- sign 0.251+/-10.156 χ^2/NDF: 62.8/43

reg_asym_sam_37_dd_rms vs Slug



Right In: 64.174+/-0.017 χ^2/NDF: 1130772.7/17

Left Out: 47.284+/-0.008 χ^2/NDF:717249.8/24

Right Out: 66.553+/-0.017 χ^2/NDF: 1642146.6/20

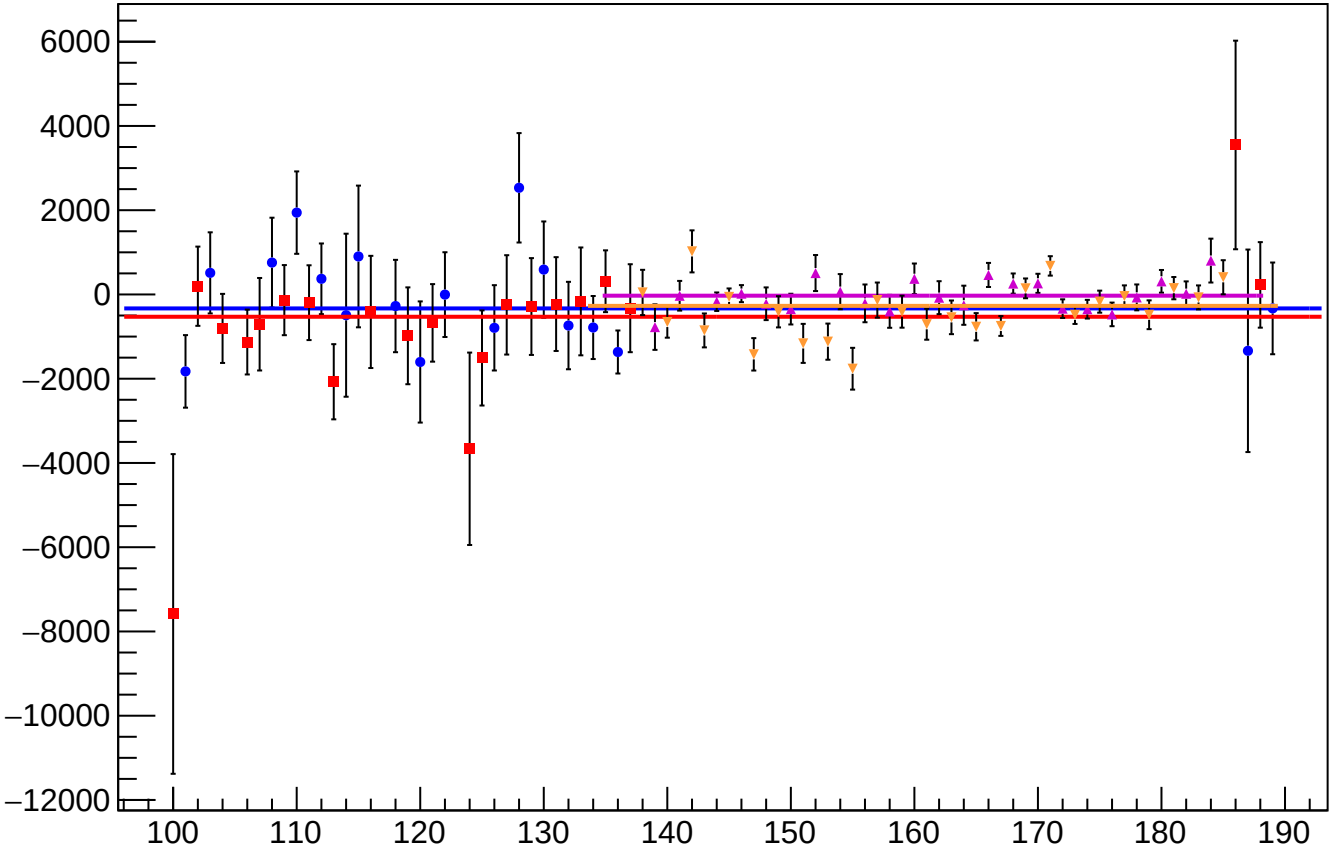
Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 50.183+/-0.007 χ^2/NDF: 2674214.5/42

All: 50.521+/-0.005 χ^2/NDF: 6025945.9/86

- sign 50.876+/-0.007 χ^2/NDF: 3346958.9/43

asym_sam_37_dd_reg_correction_mean vs Slug



Right In: -331.527+/-231.872 χ^2/NDF: 22.9/17

Left Out: -271.031+/-62.346 χ^2/NDF:73.9/24

Right Out: -529.483+/-226.734 χ^2/NDF: 15.9/20

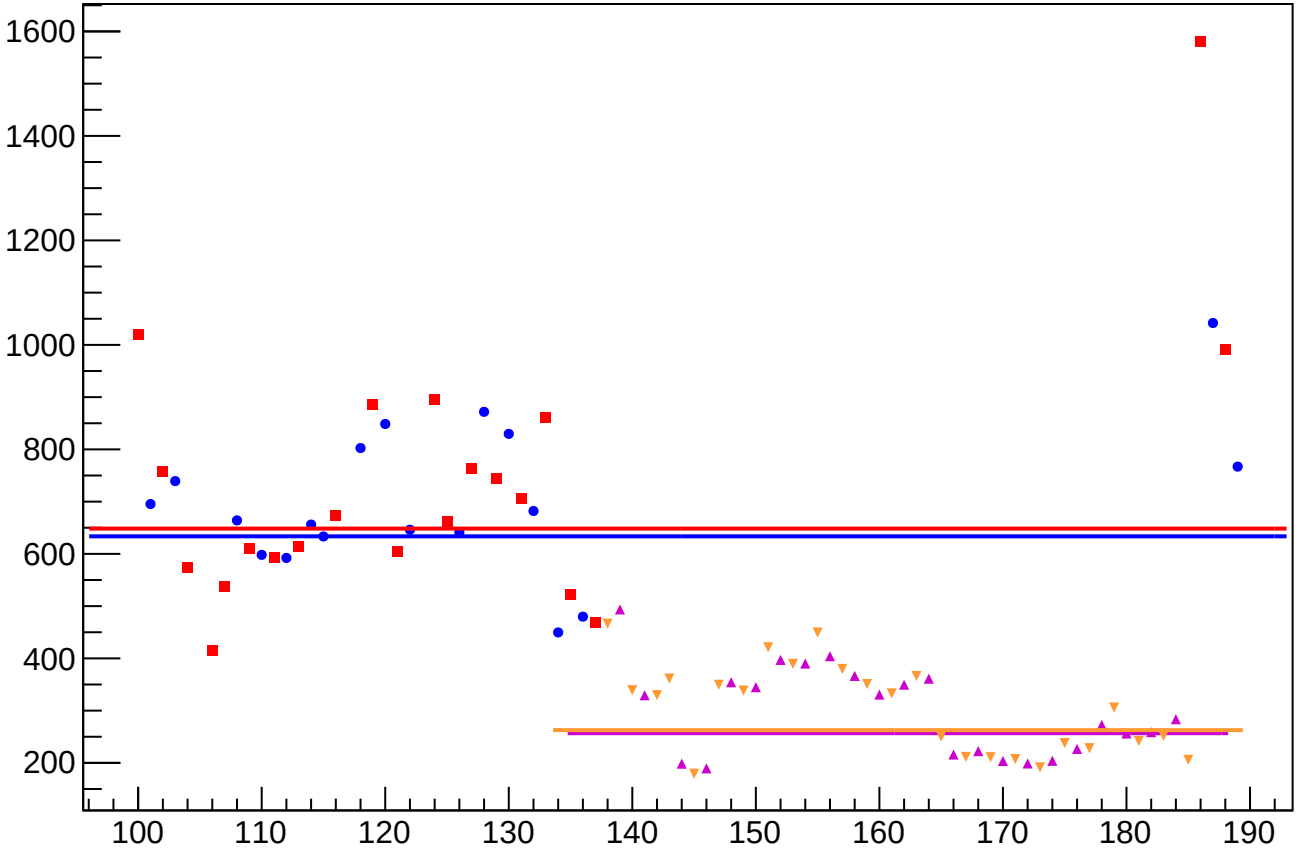
Left In: -29.200+/-62.671 χ^2/NDF:24.4/22

+ sign -275.110+/-60.207 χ^2/NDF: 96.9/42

All: -170.255+/-42.643 χ^2/NDF: 147.7/86

- sign -64.709+/-60.406 χ^2/NDF: 44.8/43

asym_sam_37_dd_reg_correction_rms vs Slug



Right In: 633.603+/-0.164 χ^2/NDF: 657100.2/17

Left Out: 262.679+/-0.044 χ^2/NDF:2893255.4/24

Right Out: 648.410+/-0.160 χ^2/NDF: 1119179.6/20

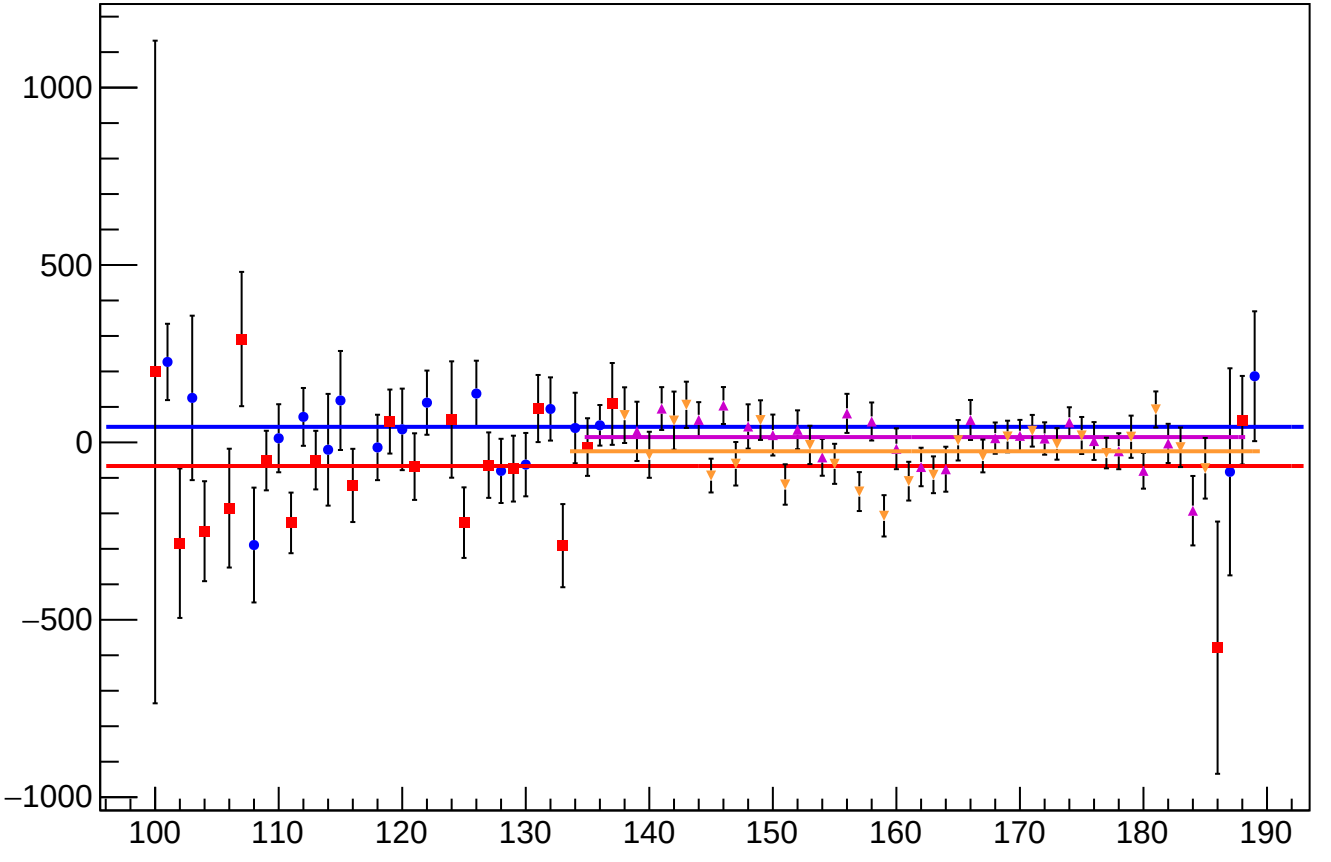
Left In: 256.842+/-0.044 χ^2/NDF:2639200.9/22

+ sign 287.687+/-0.043 χ^2/NDF: 8323328.7/42

All: 286.166+/-0.030 χ^2/NDF: 17625891.4/86

- sign 284.635+/-0.043 χ^2/NDF: 9300000.4/43

cor_asym_sam_37_dd_mean vs Slug



Right In: 43.837+/-23.917 χ^2/NDF: 14.4/17

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: -66.548+/-23.911 χ^2/NDF: 28.4/20

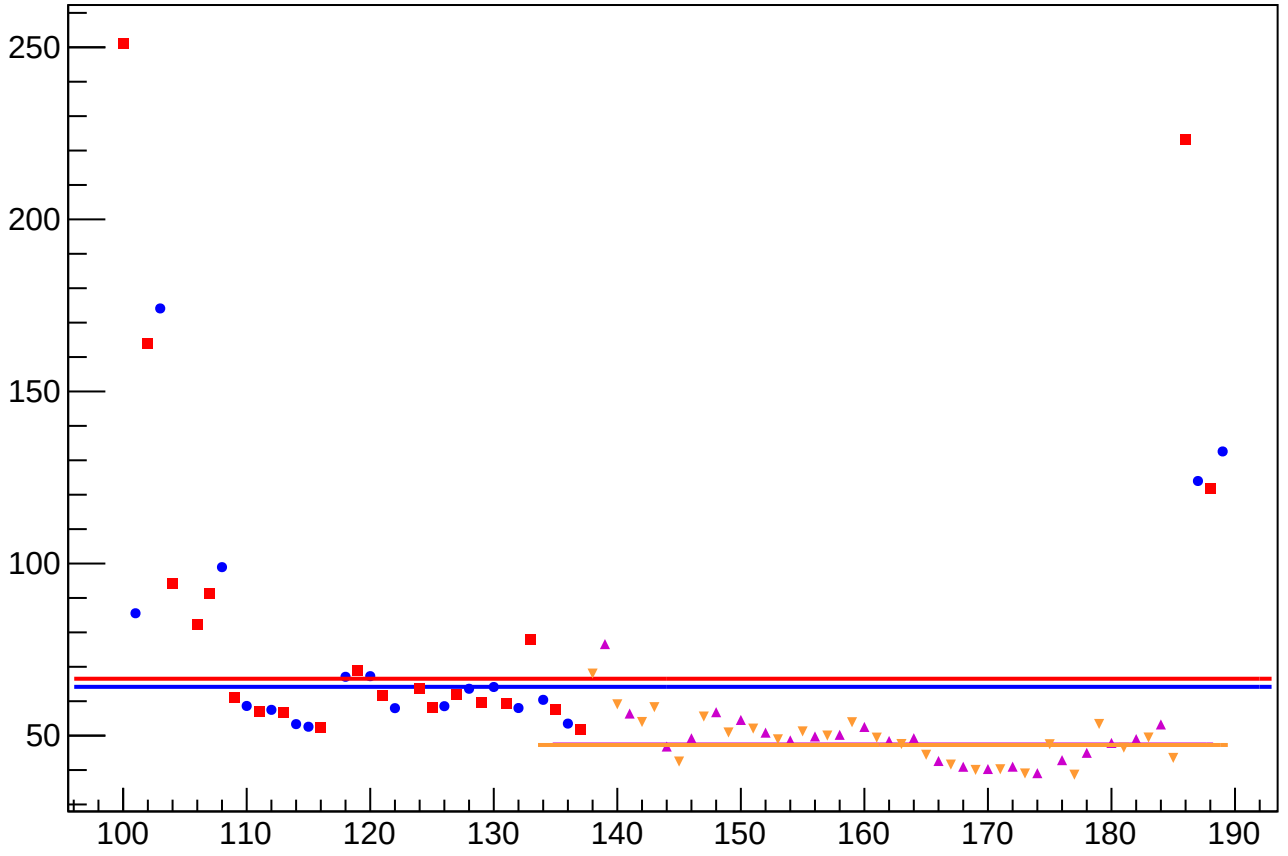
Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -13.171+/-9.909 χ^2/NDF: 64.3/42

All: -6.610+/-7.092 χ^2/NDF: 127.9/86

- sign 0.283+/-10.156 χ^2/NDF: 62.7/43

cor_asym_sam_37_dd_rms vs Slug



Right In: 64.174+/-0.017 χ^2/NDF: 1130774.9/17

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

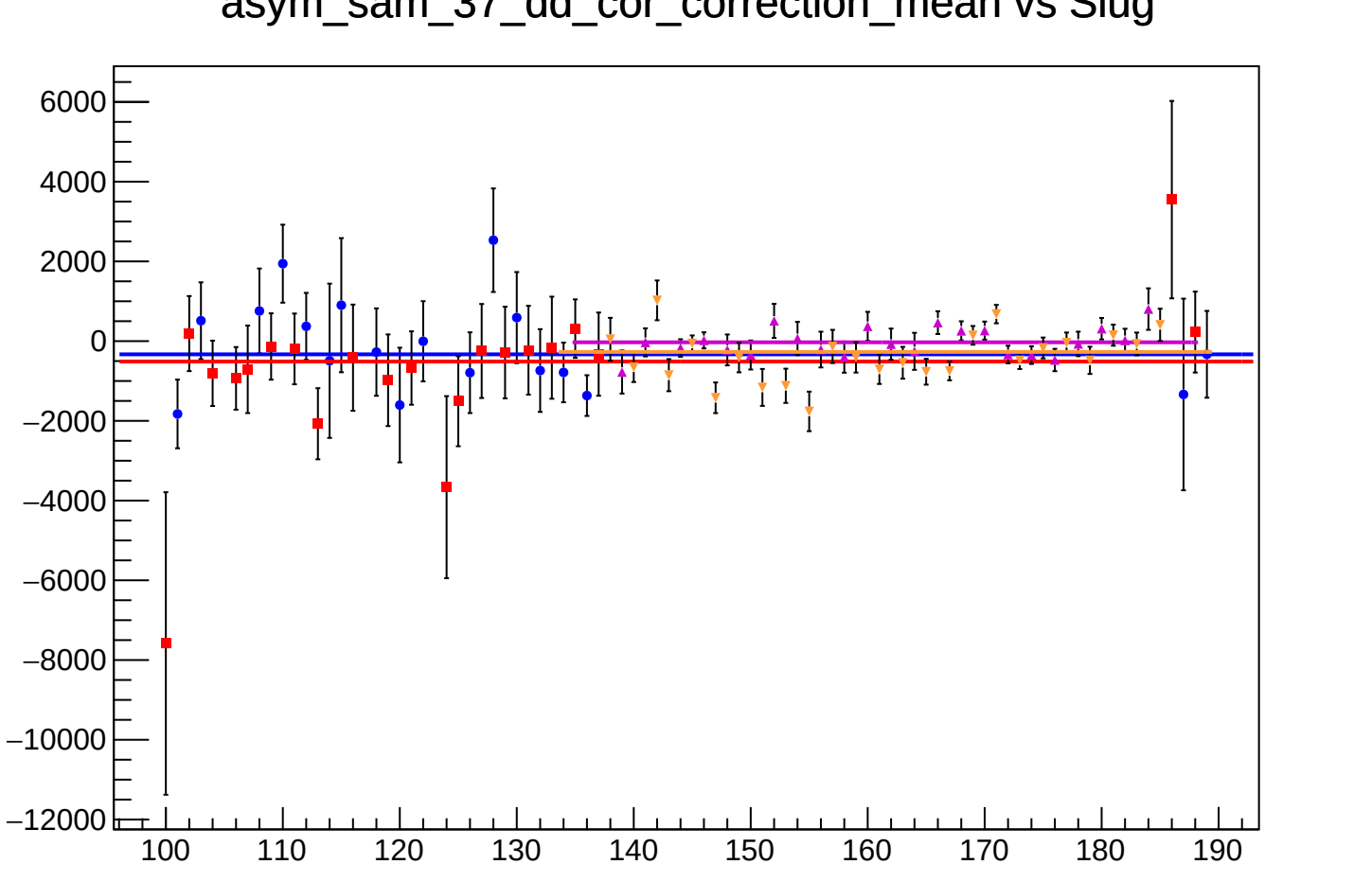
Right Out: 66.530+/-0.017 χ^2/NDF: 1639857.7/20

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 50.183+/-0.007 χ^2/NDF: 2674216.2/42

All: 50.519+/-0.005 χ^2/NDF: 6020997.0/86

- sign 50.872+/-0.007 χ^2/NDF: 3342069.3/43



Right In: -331.523+/-231.873 χ^2/NDF: 22.9/17

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: -511.662+/-227.133 χ^2/NDF: 15.5/20

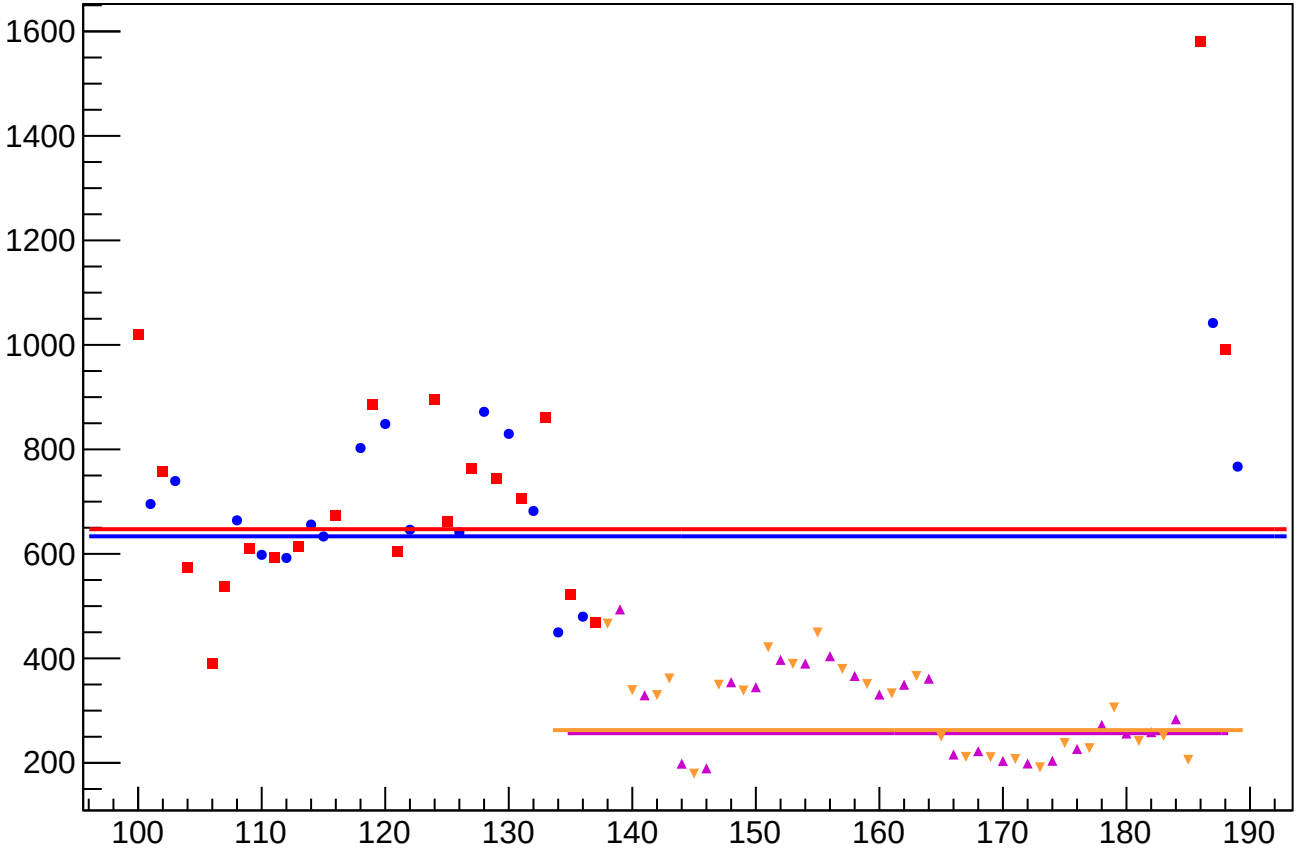
Left In: -29.202+/-62.671 χ^2/NDF:24.4/22

+ sign -275.105+/-60.207 χ^2/NDF: 96.8/42

All: -169.581+/-42.646 χ^2/NDF: 147.1/86

- sign -63.334+/-60.413 χ^2/NDF: 44.1/43

asym_sam_37_dd_cor_correction_rms vs Slug



Right In: 633.606+/-0.164 χ^2/NDF: 657130.2/17

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 647.278+/-0.161 χ^2/NDF: 1149540.4/20

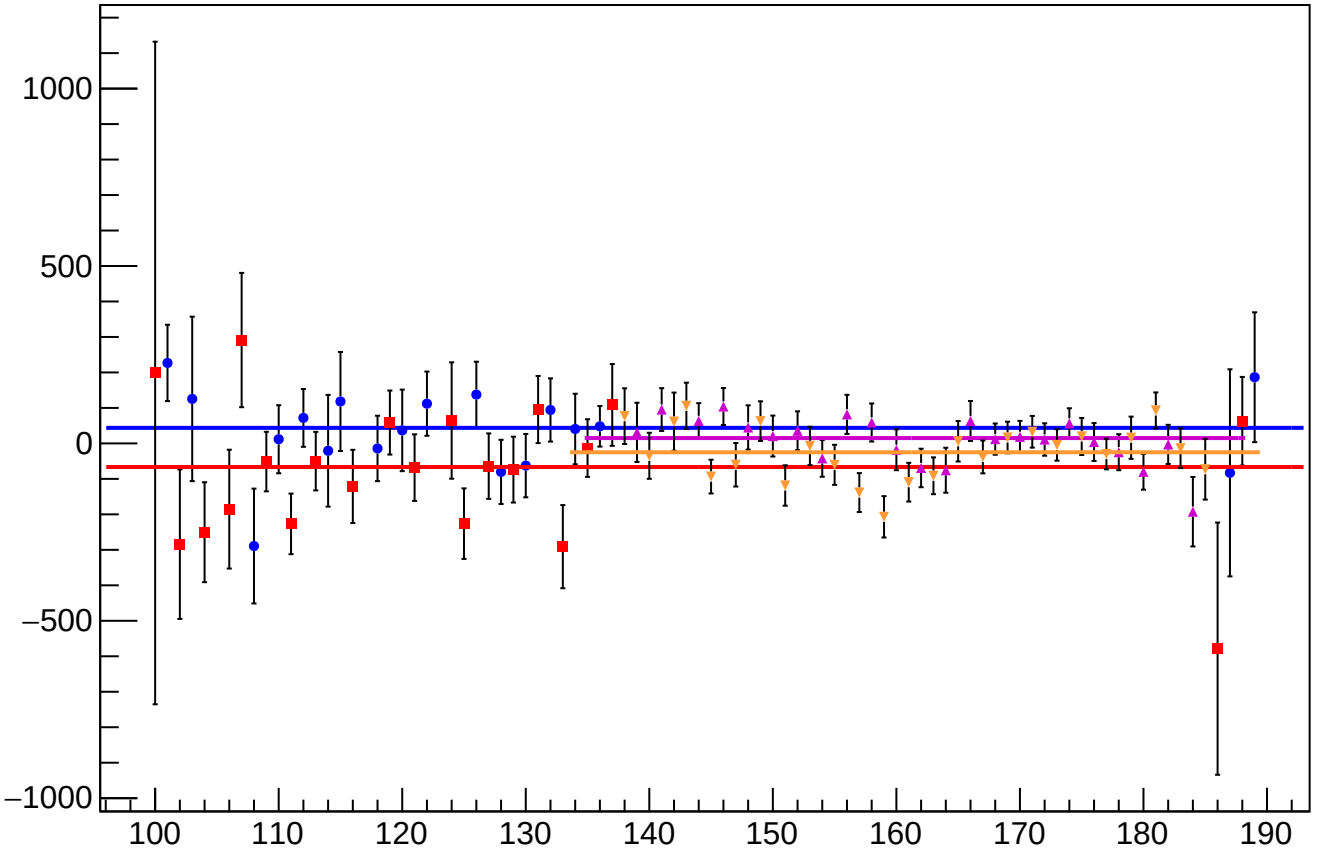
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 287.687+/-0.043 χ^2/NDF: 8323382.9/42

All: 286.081+/-0.030 χ^2/NDF: 17606606.3/86

- sign 284.464+/-0.043 χ^2/NDF: 9280367.0/43

eigen_cor_asym_sam_37_dd_mean vs Slug



Right In: 43.837+/-23.917 χ^2/NDF: 14.4/17

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: -66.548+/-23.911 χ^2/NDF: 28.4/20

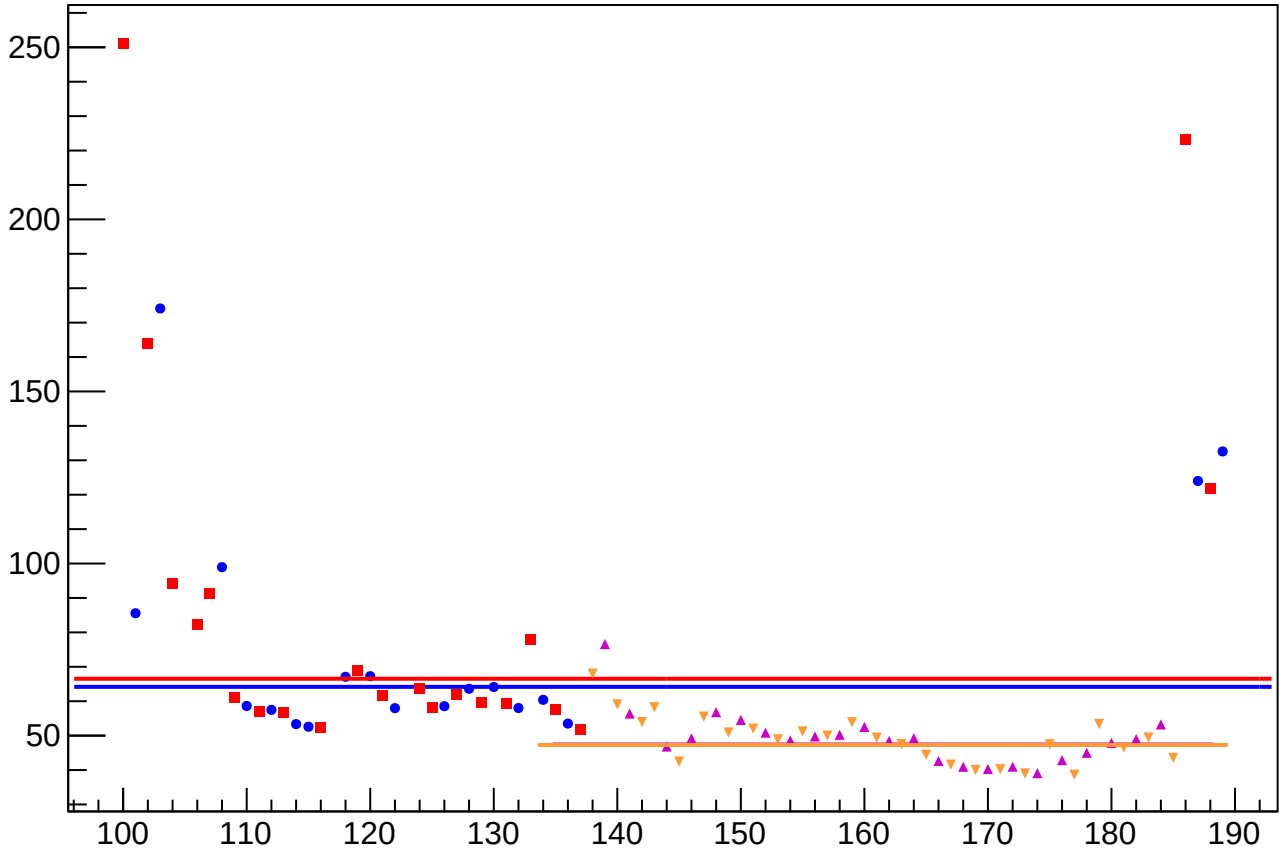
Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -13.171+/-9.909 χ^2/NDF: 64.3/42

All: -6.610+/-7.092 χ^2/NDF: 127.9/86

- sign 0.283+/-10.156 χ^2/NDF: 62.7/43

eigen_cor_asym_sam_37_dd_rms vs Slug



Right In: 64.174+/-0.017 χ^2/NDF: 1130774.9/17

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

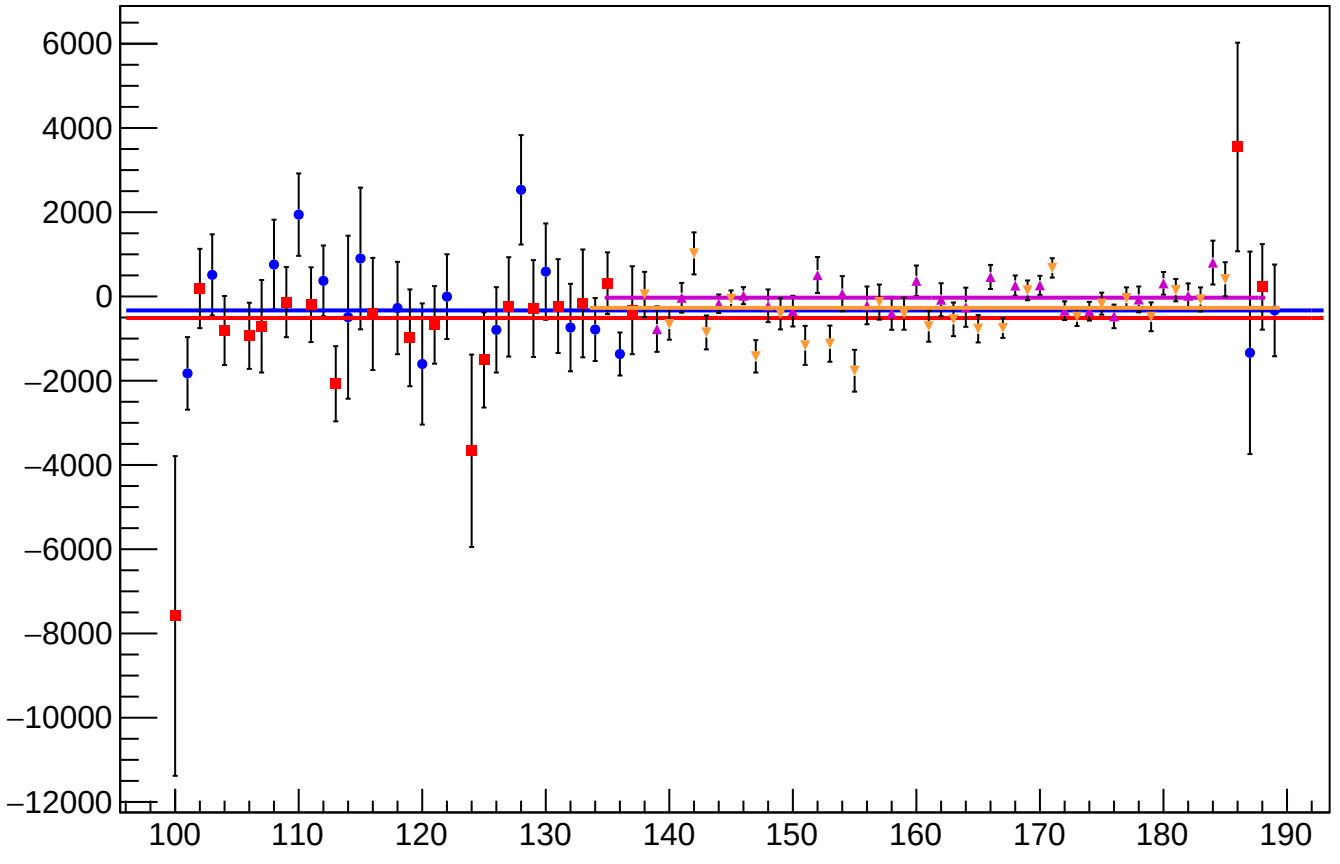
Right Out: 66.530+/-0.017 χ^2/NDF: 1639857.7/20

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 50.183+/-0.007 χ^2/NDF: 2674216.2/42

All: 50.519+/-0.005 χ^2/NDF: 6020997.0/86

- sign 50.872+/-0.007 χ^2/NDF: 3342069.3/43



Right In: -331.523+/-231.873 χ^2/NDF: 22.9/17

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: -511.662+/-227.133 χ^2/NDF: 15.5/20

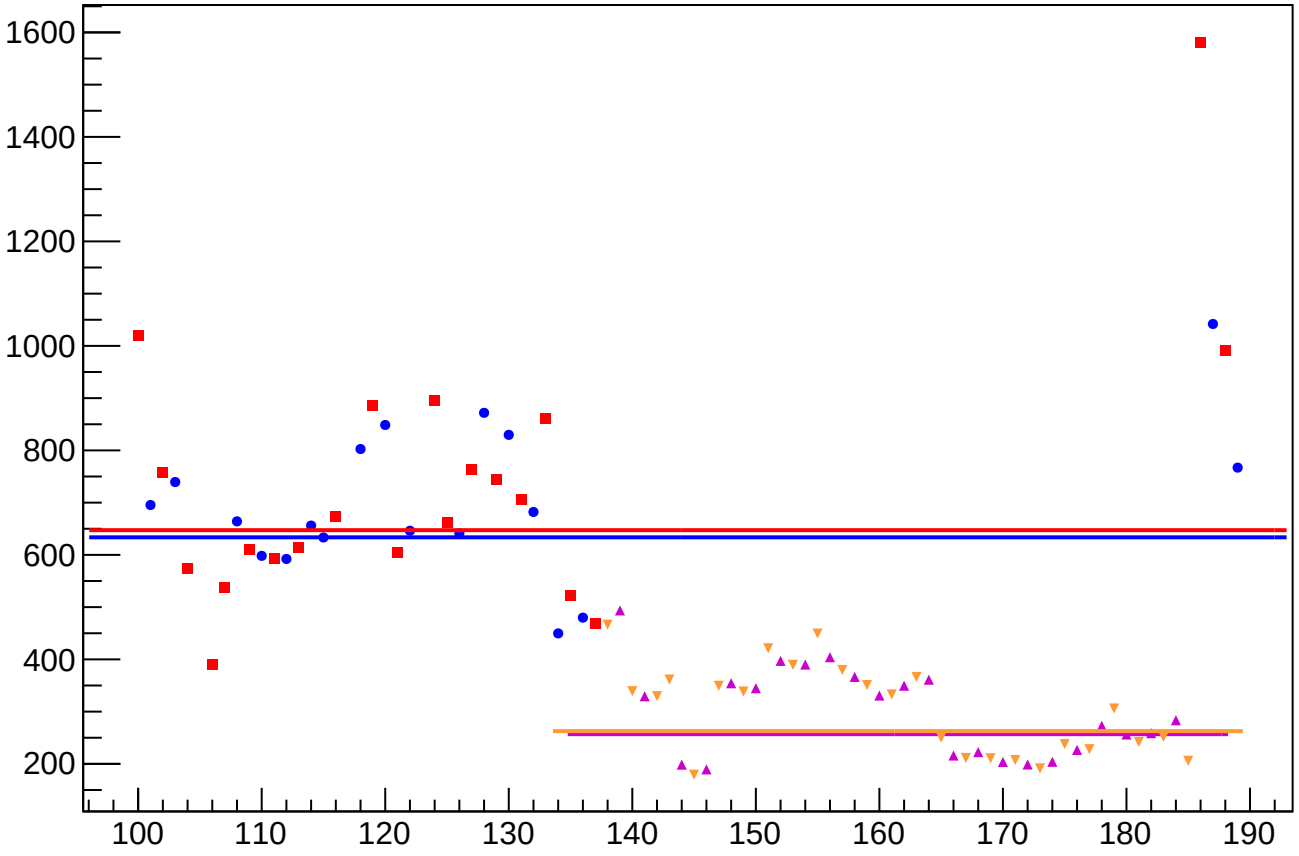
Left In: -29.202+/-62.671 χ^2/NDF:24.4/22

+ sign -275.105+/-60.207 χ^2/NDF: 96.8/42

All: -169.581+/-42.646 χ^2/NDF: 147.1/86

- sign -63.334+/-60.413 χ^2/NDF: 44.1/43

asym_sam_37_dd_eigen_cor_correction_rms vs Slug



Right In: 633.606+/-0.164 χ^2/NDF: 657130.2/17

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 647.278+/-0.161 χ^2/NDF: 1149540.4/20

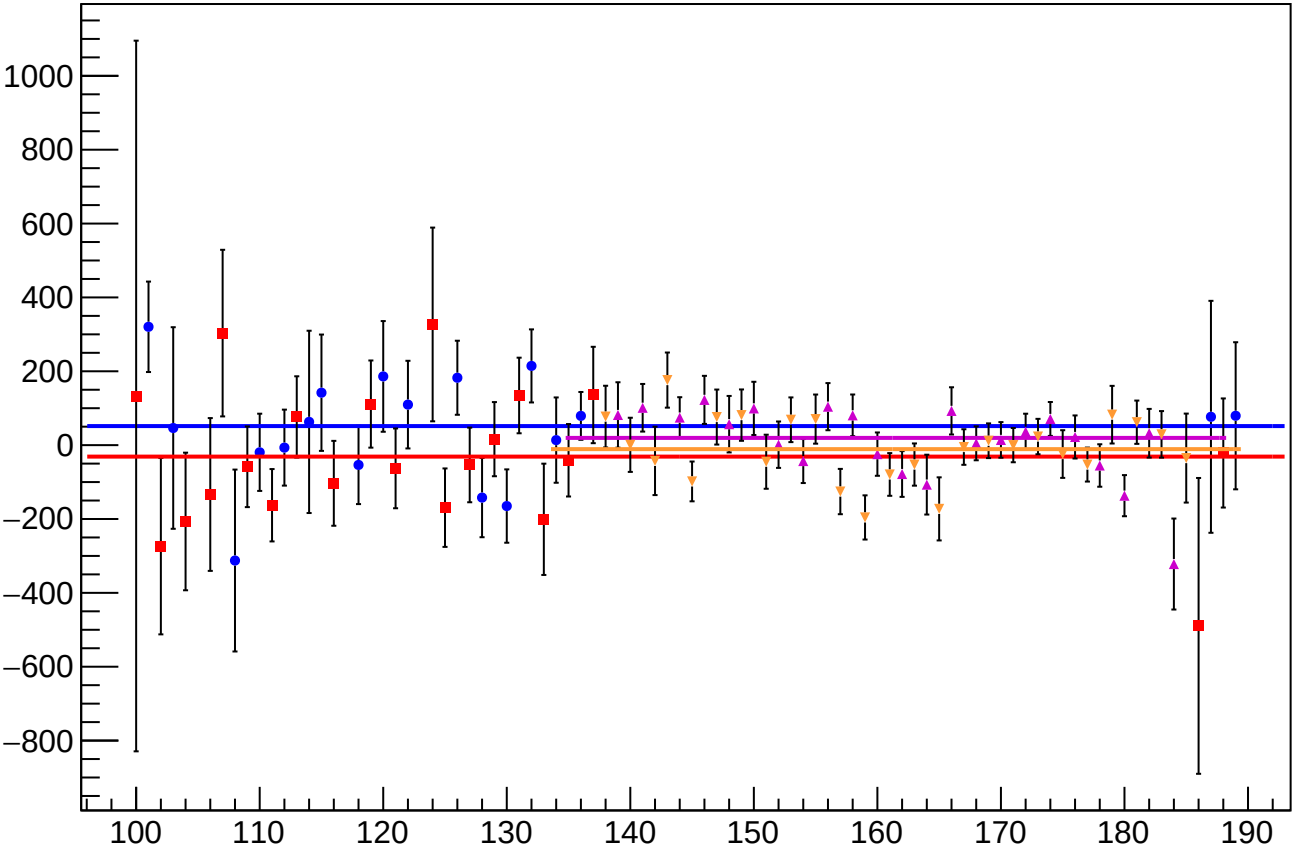
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 287.687+/-0.043 χ^2/NDF: 8323382.9/42

All: 286.081+/-0.030 χ^2/NDF: 17606606.3/86

- sign 284.464+/-0.043 χ^2/NDF: 9280367.0/43

dit_asym_sam_37_dd_mean vs Slug



Right In: 51.608+/-27.923 χ^2/NDF: 22.9/17

Left Out: -10.823+/-12.306 χ^2/NDF:40.4/24

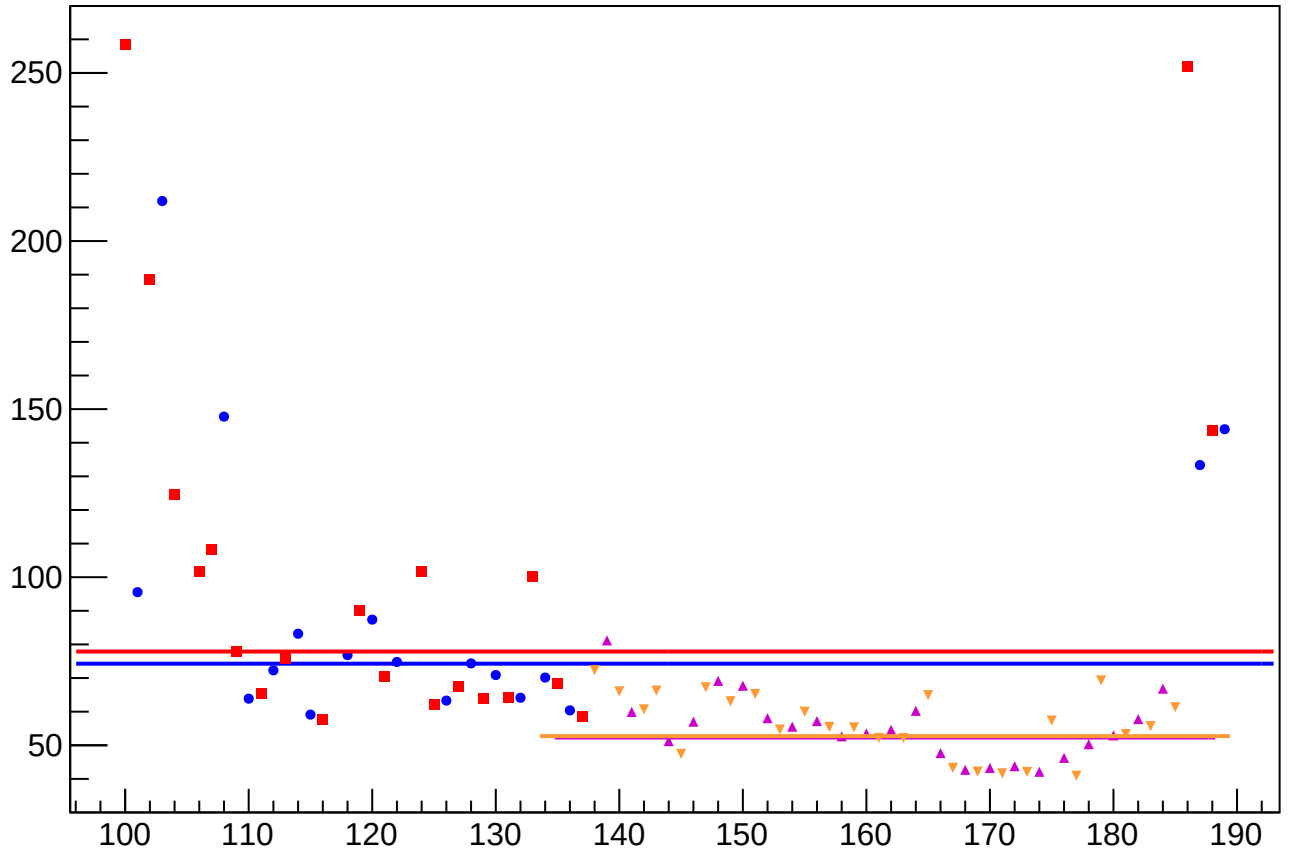
Right Out: -31.053+/-28.301 χ^2/NDF: 19.8/20

Left In: 19.597+/-12.546 χ^2/NDF:36.8/22

+ sign -0.669+/-11.261 χ^2/NDF: 67.5/42

All: 5.195+/-8.035 χ^2/NDF: 127.3/86

- sign 11.278+/-11.469 χ^2/NDF: 59.3/43



Right In: 74.268+/-0.020 χ^2/NDF: 1263185.2/17

Left Out: 52.731+/-0.009 χ^2/NDF:1167195.4/24

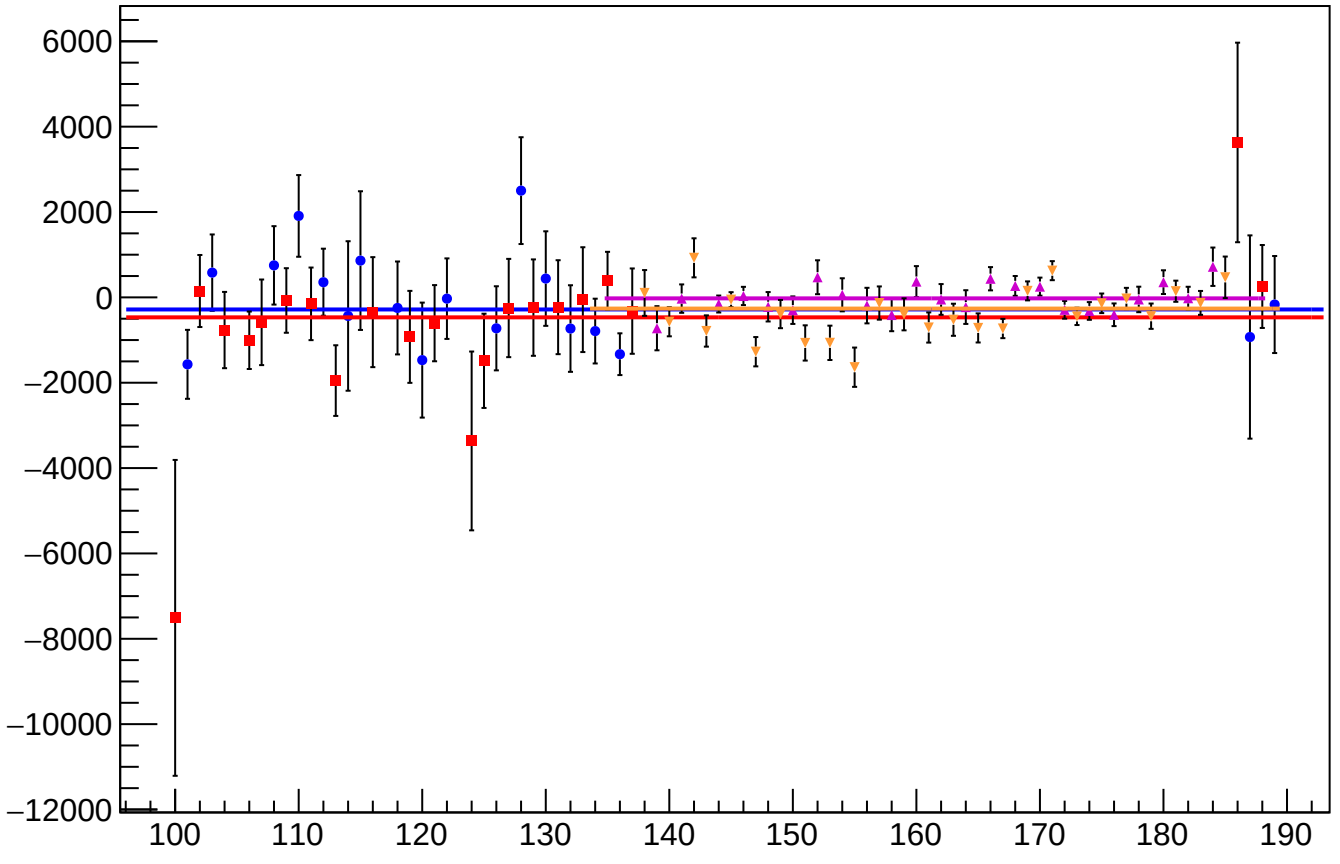
Right Out: 77.886+/-0.020 χ^2/NDF: 1853638.5/20

Left In: 52.314+/-0.009 χ^2/NDF:891847.5/22

+ sign 56.234+/-0.008 χ^2/NDF: 3426680.1/42

All: 56.371+/-0.006 χ^2/NDF: 7537551.8/86

- sign 56.514+/-0.008 χ^2/NDF: 4110264.1/43



Right In: -283.304+/-222.373 χ^2/NDF: 22.9/17

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: -468.074+/-214.500 χ^2/NDF: 17.0/20

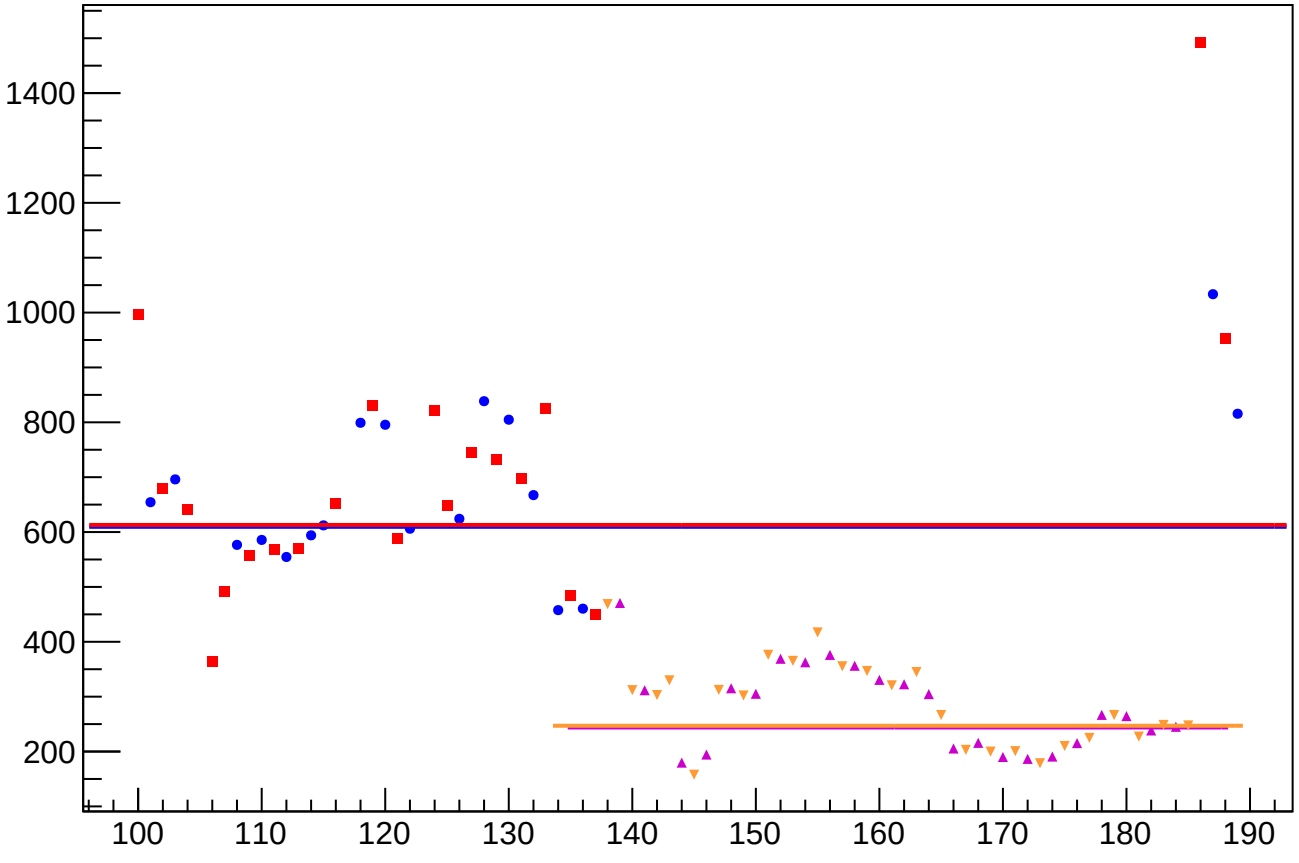
Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -263.923+/-56.576 χ^2/NDF: 95.1/42

All: -160.751+/-40.239 χ^2/NDF: 147.0/86

- sign -55.133+/-57.243 χ^2/NDF: 45.2/43

asym_sam_37_dd_dit_correction_rms vs Slug



Right In: 609.590+/-0.157 χ^2/NDF: 668558.7/17

Left Out: 246.995+/-0.041 χ^2/NDF:2925691.6/24

Right Out: 612.933+/-0.152 χ^2/NDF: 1241639.2/20

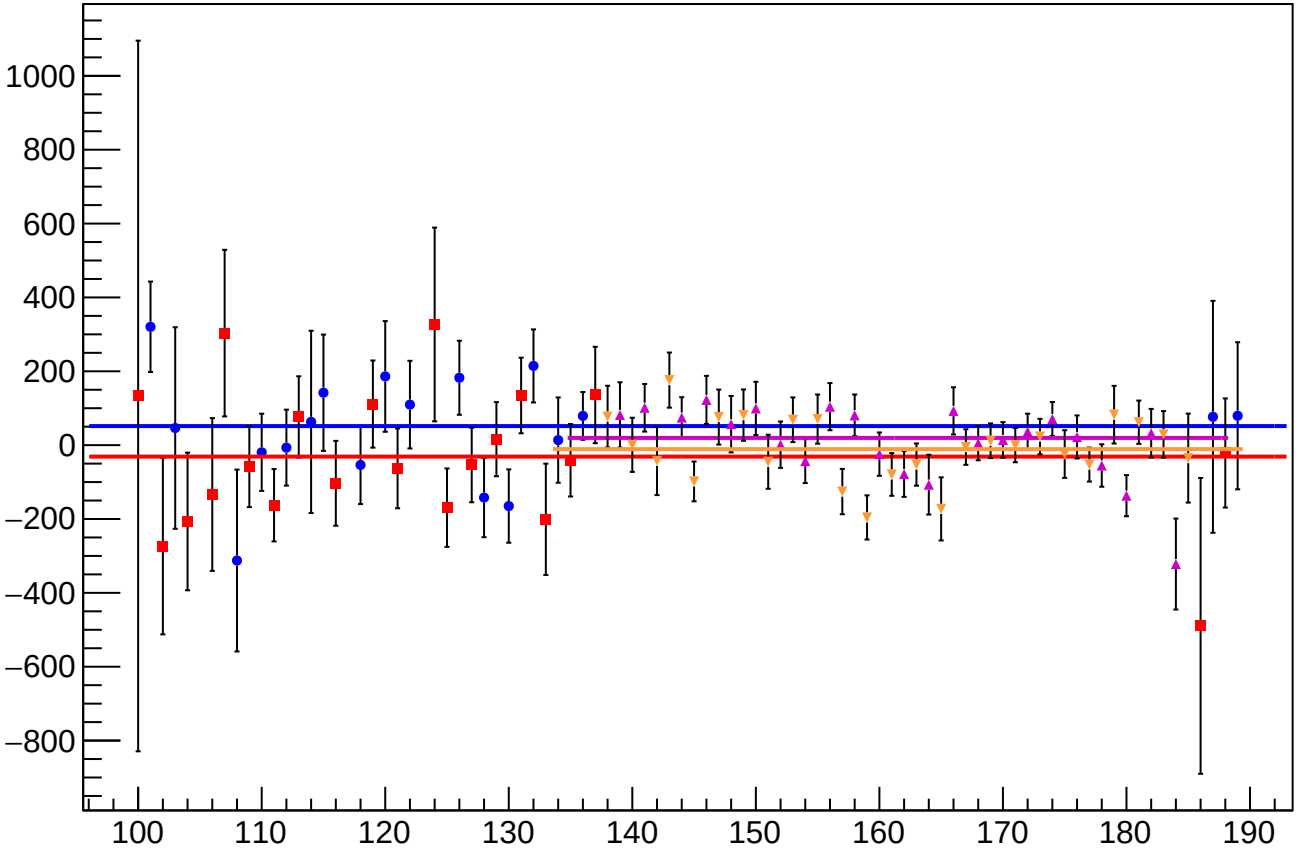
Left In: 243.825+/-0.042 χ^2/NDF:2490545.8/22

+ sign 270.466+/-0.040 χ^2/NDF: 8567542.3/42

All: 270.291+/-0.028 χ^2/NDF: 17800188.8/86

- sign 270.112+/-0.040 χ^2/NDF: 9232607.8/43

eigen_dit_asym_sam_37_dd_mean vs Slug



Right In: 51.608+/-27.923 χ^2/NDF: 22.9/17

Left Out: -10.822+/-12.306 χ^2/NDF:40.4/24

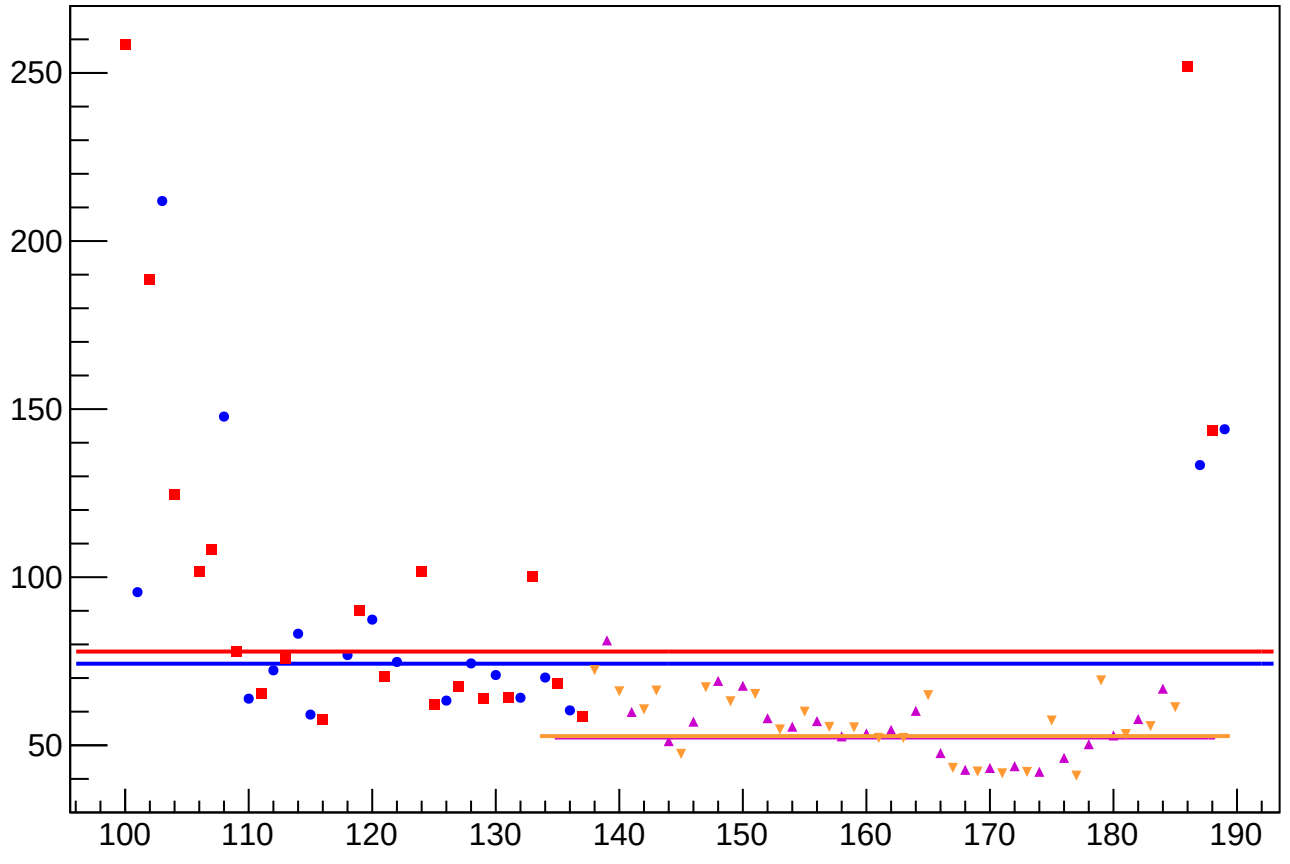
Right Out: -31.052+/-28.301 χ^2/NDF: 19.8/20

Left In: 19.598+/-12.546 χ^2/NDF:36.8/22

+ sign -0.669+/-11.261 χ^2/NDF: 67.5/42

All: 5.196+/-8.035 χ^2/NDF: 127.3/86

- sign 11.279+/-11.469 χ^2/NDF: 59.3/43



Right In: 74.268+/-0.020 χ^2/NDF: 1263190.4/17

Left Out: 52.731+/-0.009 χ^2/NDF:1167223.2/24

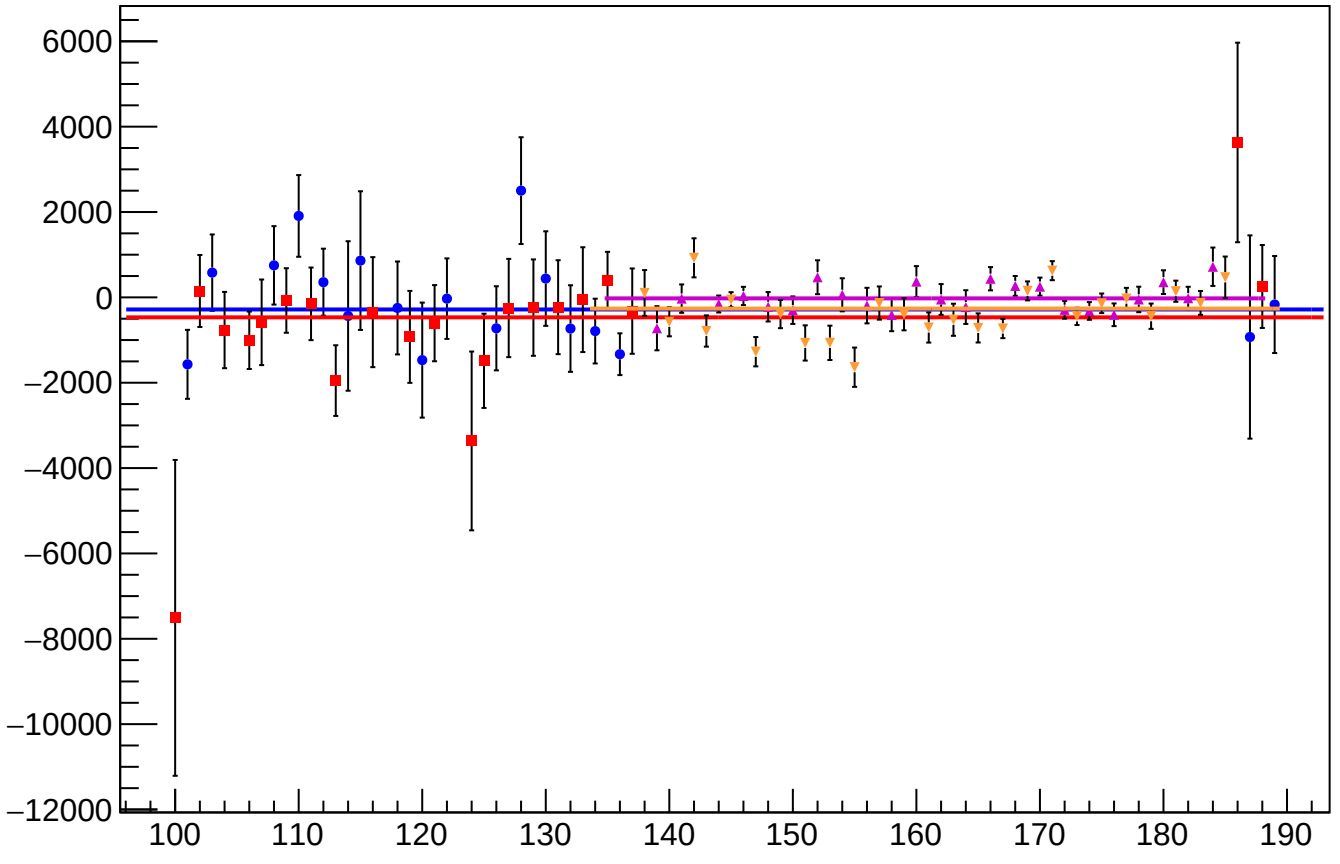
Right Out: 77.886+/-0.020 χ^2/NDF: 1853637.1/20

Left In: 52.314+/-0.009 χ^2/NDF:891856.0/22

+ sign 56.234+/-0.008 χ^2/NDF: 3426696.2/42

All: 56.371+/-0.006 χ^2/NDF: 7537561.8/86

- sign 56.514+/-0.008 χ^2/NDF: 4110258.0/43



Right In: -283.303+/-222.374 χ^2/NDF: 22.9/17

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: -468.074+/-214.500 χ^2/NDF: 17.0/20

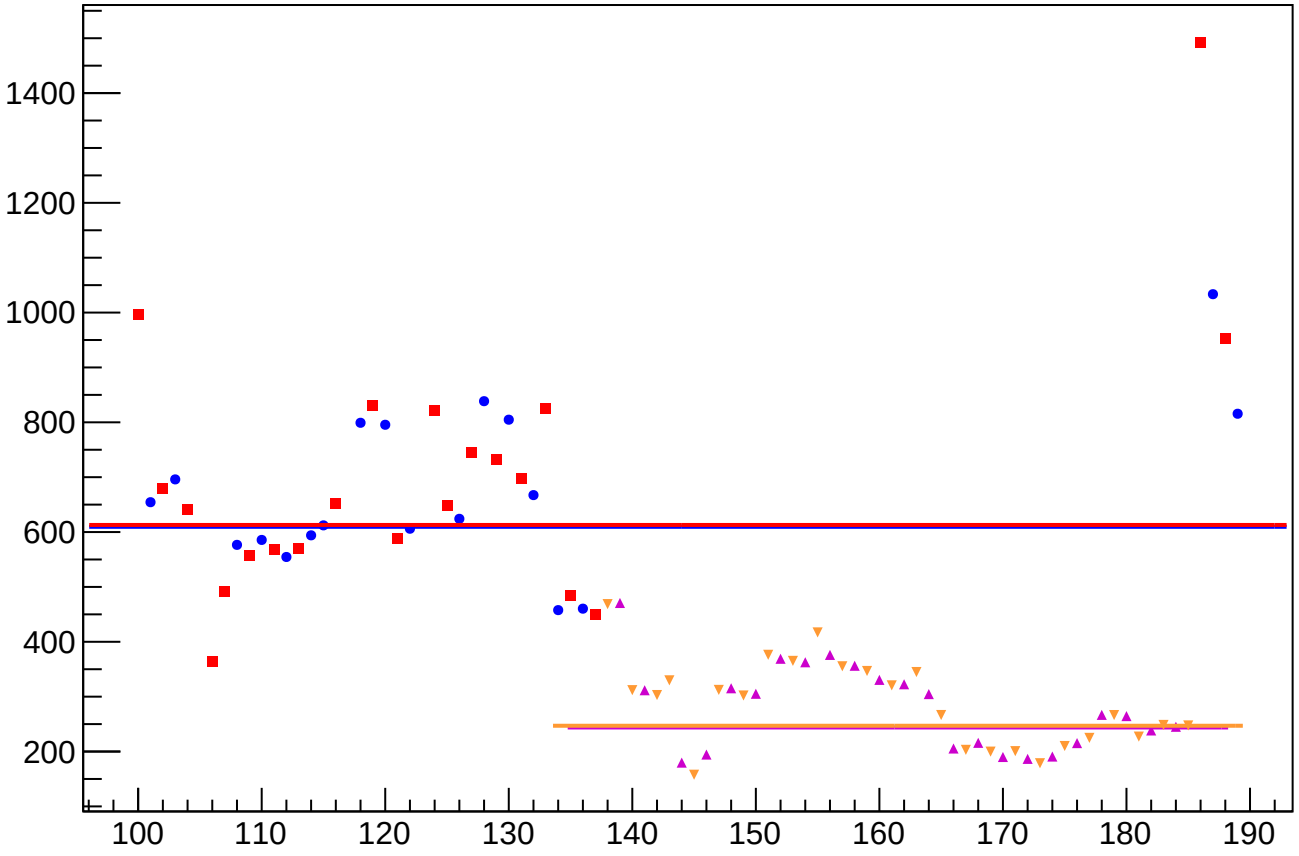
Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -263.923+/-56.576 χ^2/NDF: 95.1/42

All: -160.751+/-40.239 χ^2/NDF: 147.0/86

- sign -55.132+/-57.243 χ^2/NDF: 45.2/43

asym_sam_37_dd_eigen_dit_correction_rms vs Slug



Right In: 609.590+/-0.157 χ^2/NDF: 668556.3/17

Left Out: 246.995+/-0.041 χ^2/NDF:2925680.1/24

Right Out: 612.933+/-0.152 χ^2/NDF: 1241633.9/20

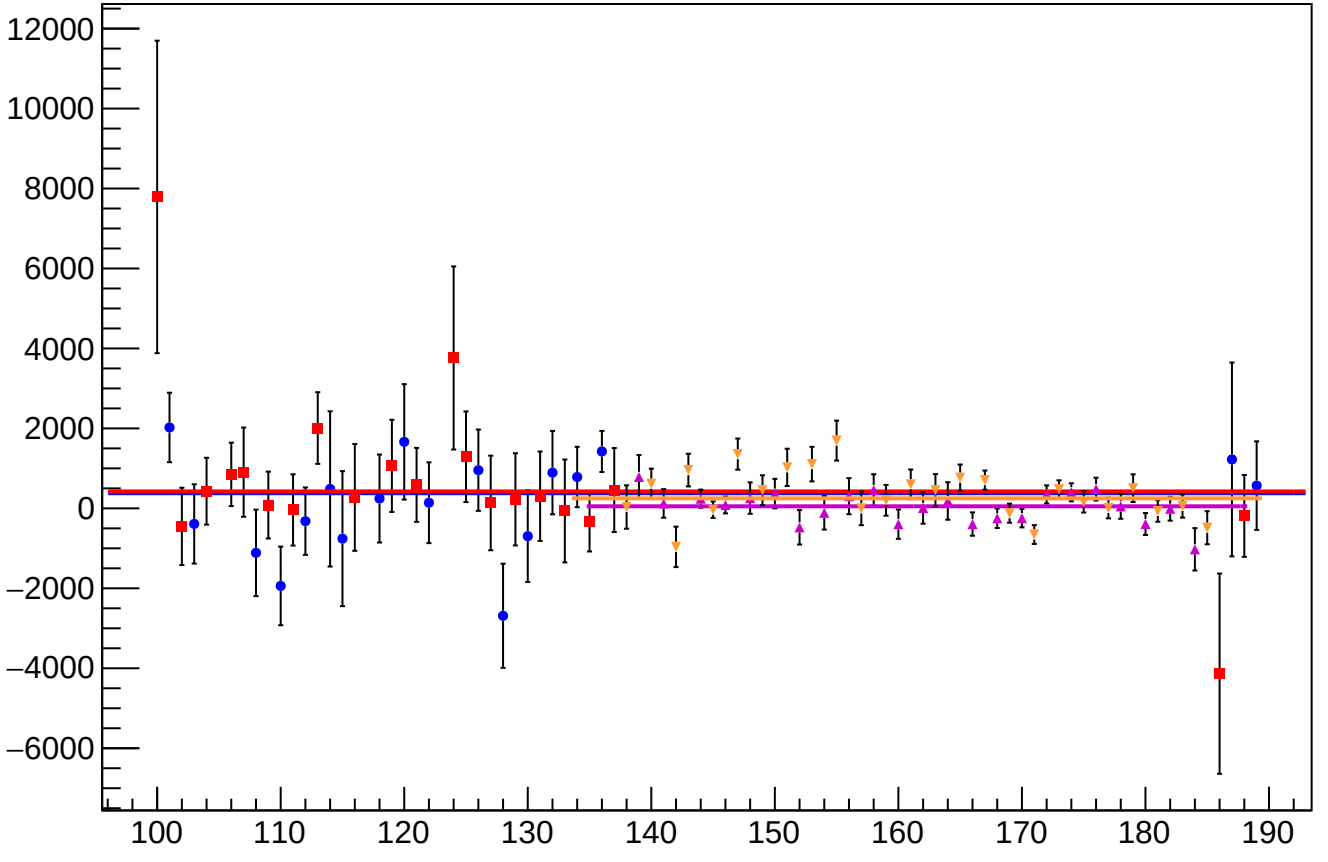
Left In: 243.825+/-0.042 χ^2/NDF:2490539.0/22

+ sign 270.466+/-0.040 χ^2/NDF: 8567535.4/42

All: 270.291+/-0.028 χ^2/NDF: 17800173.2/86

- sign 270.112+/-0.040 χ^2/NDF: 9232599.0/43

asym_sam_37_dd_mean vs Slug



Right In: 379.585+/-233.747 χ^2/NDF: 25.2/17

Left Out: 251.109+/-63.424 χ^2/NDF:67.5/24

Right Out: 423.593+/-229.032 χ^2/NDF: 16.5/20

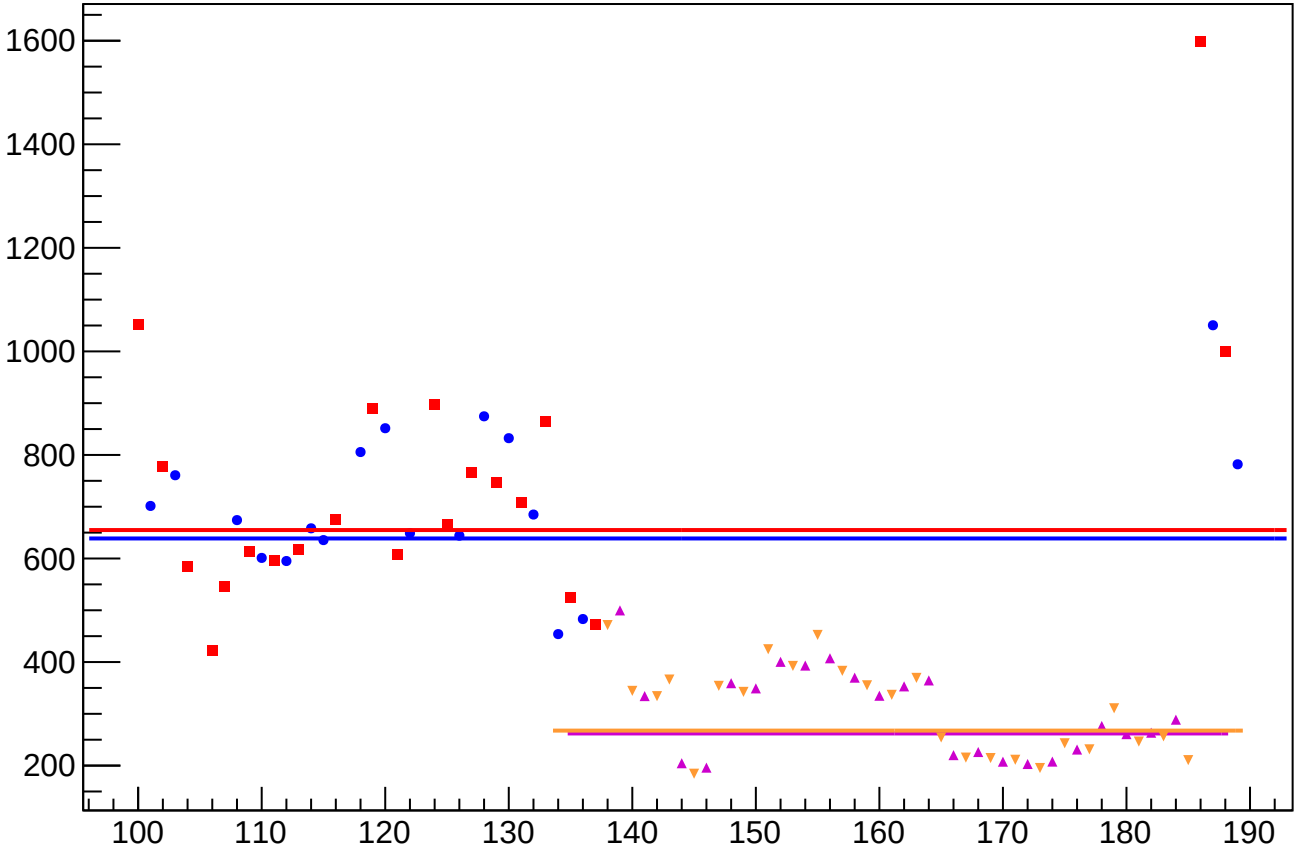
Left In: 51.707+/-63.843 χ^2/NDF:26.8/22

+ sign 259.920+/-61.210 χ^2/NDF: 93.0/42

All: 169.646+/-43.384 χ^2/NDF: 143.1/86

- sign 78.520+/-61.499 χ^2/NDF: 45.7/43

asym_sam_37_dd_rms vs Slug



Right In: 638.684+/-0.165 χ^2/NDF: 661995.0/17

Left Out: 267.589+/-0.045 χ^2/NDF:2801460.2/24

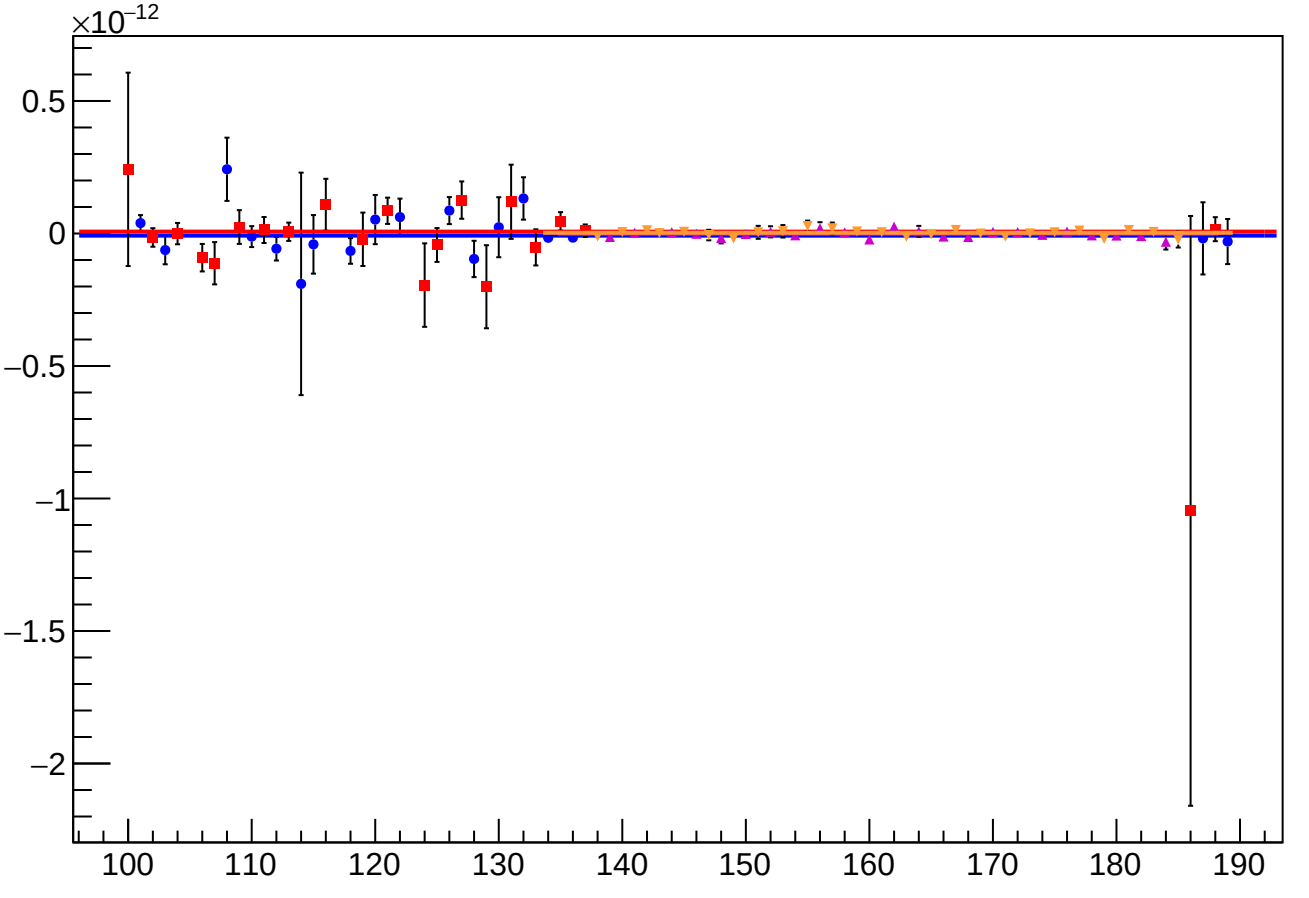
Right Out: 654.939+/-0.162 χ^2/NDF: 1106844.5/20

Left In: 262.092+/-0.045 χ^2/NDF:2537465.8/22

+ sign 293.036+/-0.043 χ^2/NDF: 8158681.3/42

All: 291.733+/-0.031 χ^2/NDF: 17264711.6/86

- sign 290.417+/-0.043 χ^2/NDF: 9104207.1/43



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

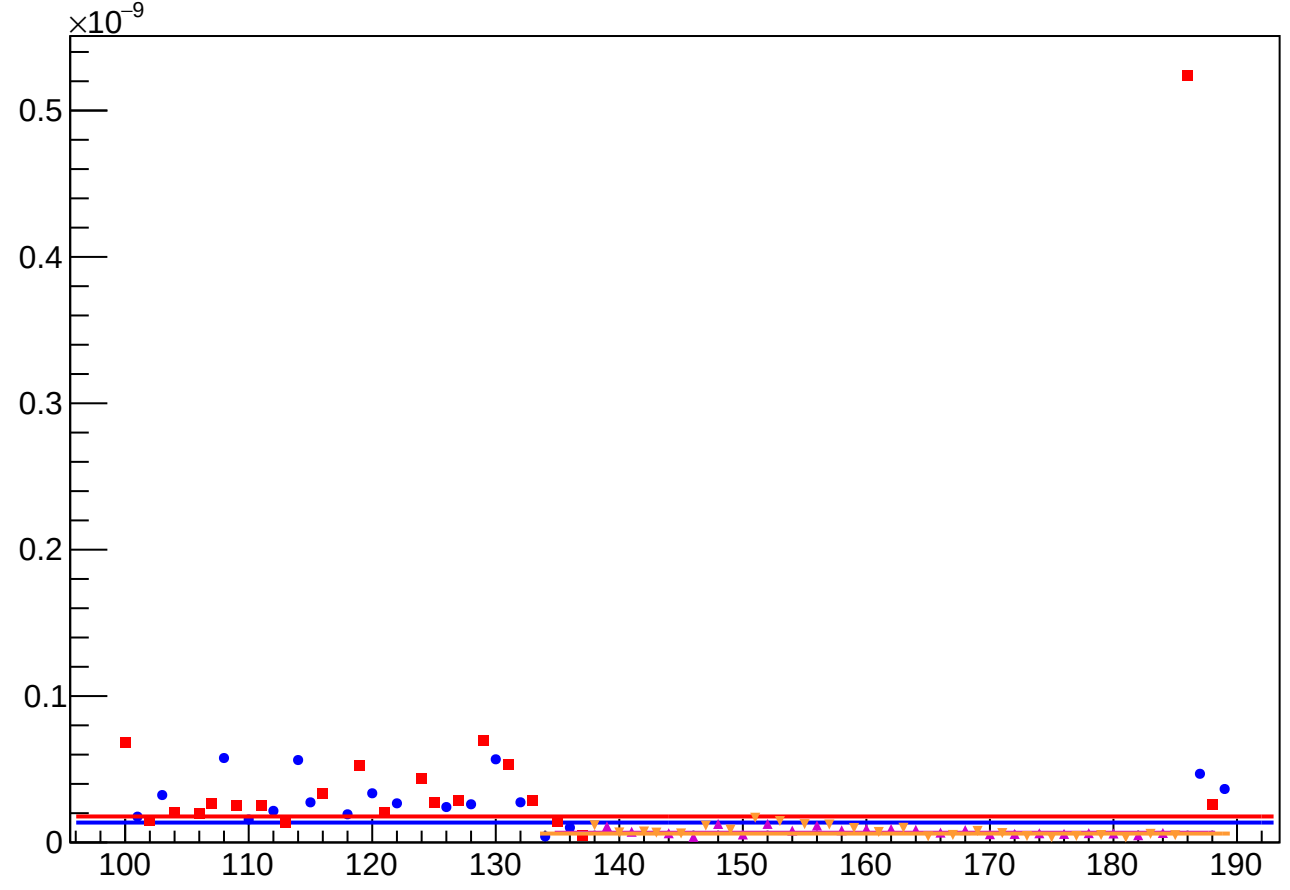
Right Out: 0.000+/-0.000 χ^2/NDF: 20.9/20

Left In: -0.000+/-0.000 χ^2/NDF:12.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 37.5/42

All: 0.000+/-0.000 χ^2/NDF: 71.8/86

- sign -0.000+/-0.000 χ^2/NDF: 33.7/43



Right In: 0.000+/-0.000 χ^2/NDF: 2352165.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:2413933.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2132206.9/20

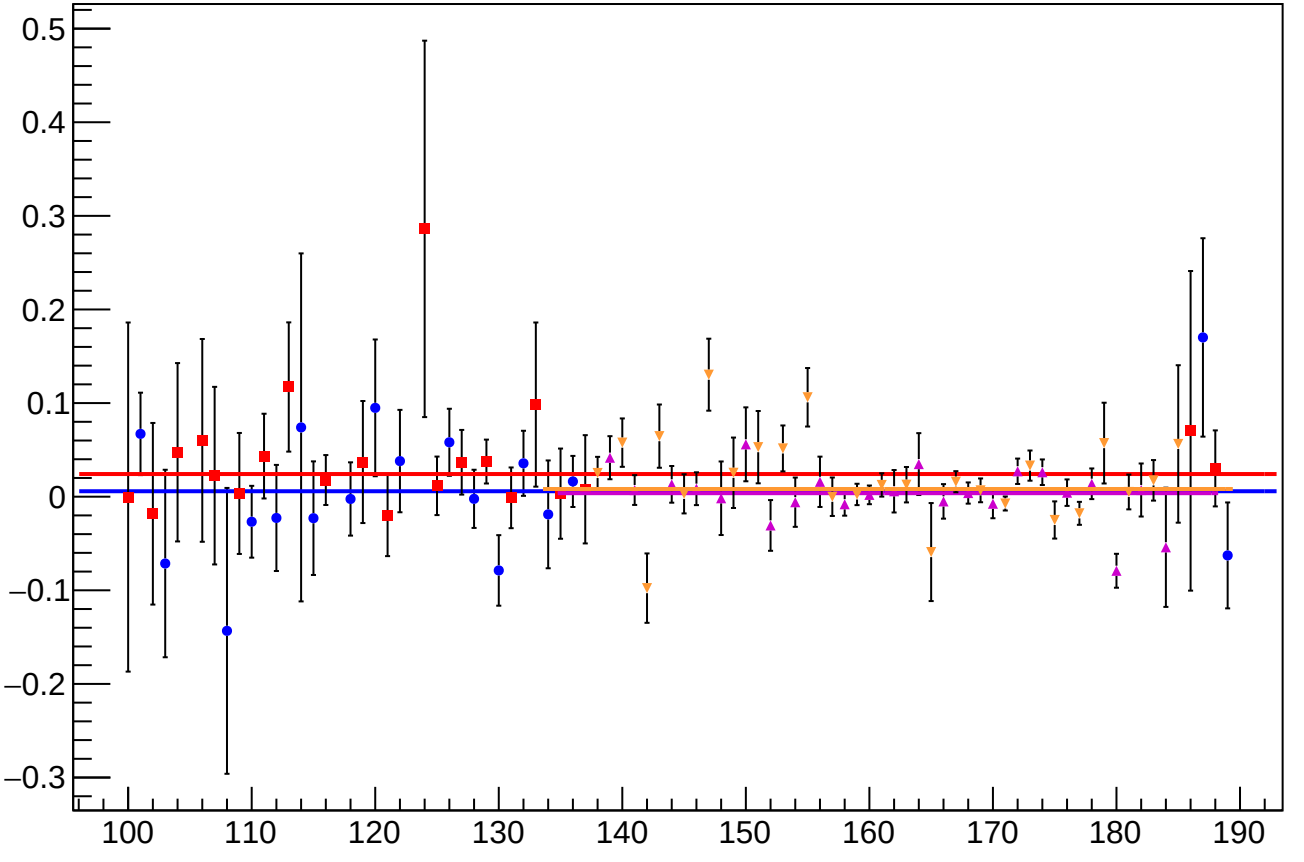
Left In: 0.000+/-0.000 χ^2/NDF:1176996.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5988567.4/42

All: 0.000+/-0.000 χ^2/NDF: 11241342.2/86

- sign 0.000+/-0.000 χ^2/NDF: 5181130.1/43

asym_sam_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.011 χ^2/NDF: 18.9/17

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: 0.024+/-0.010 χ^2/NDF: 7.6/20

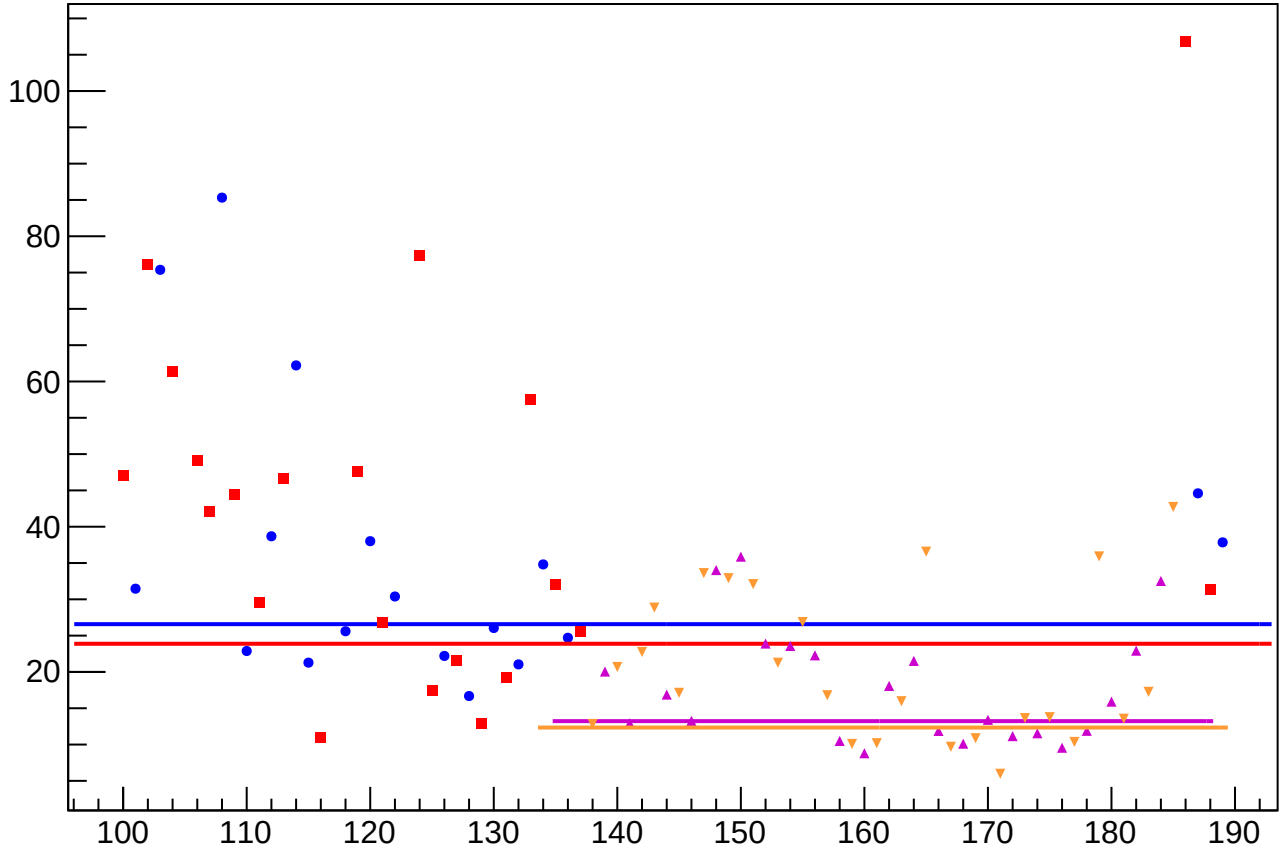
Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 77.7/42

All: 0.007+/-0.002 χ^2/NDF: 126.3/86

- sign 0.006+/-0.003 χ^2/NDF: 48.4/43

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 26.580+/-0.008 χ^2/NDF: 1525206.2/17

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

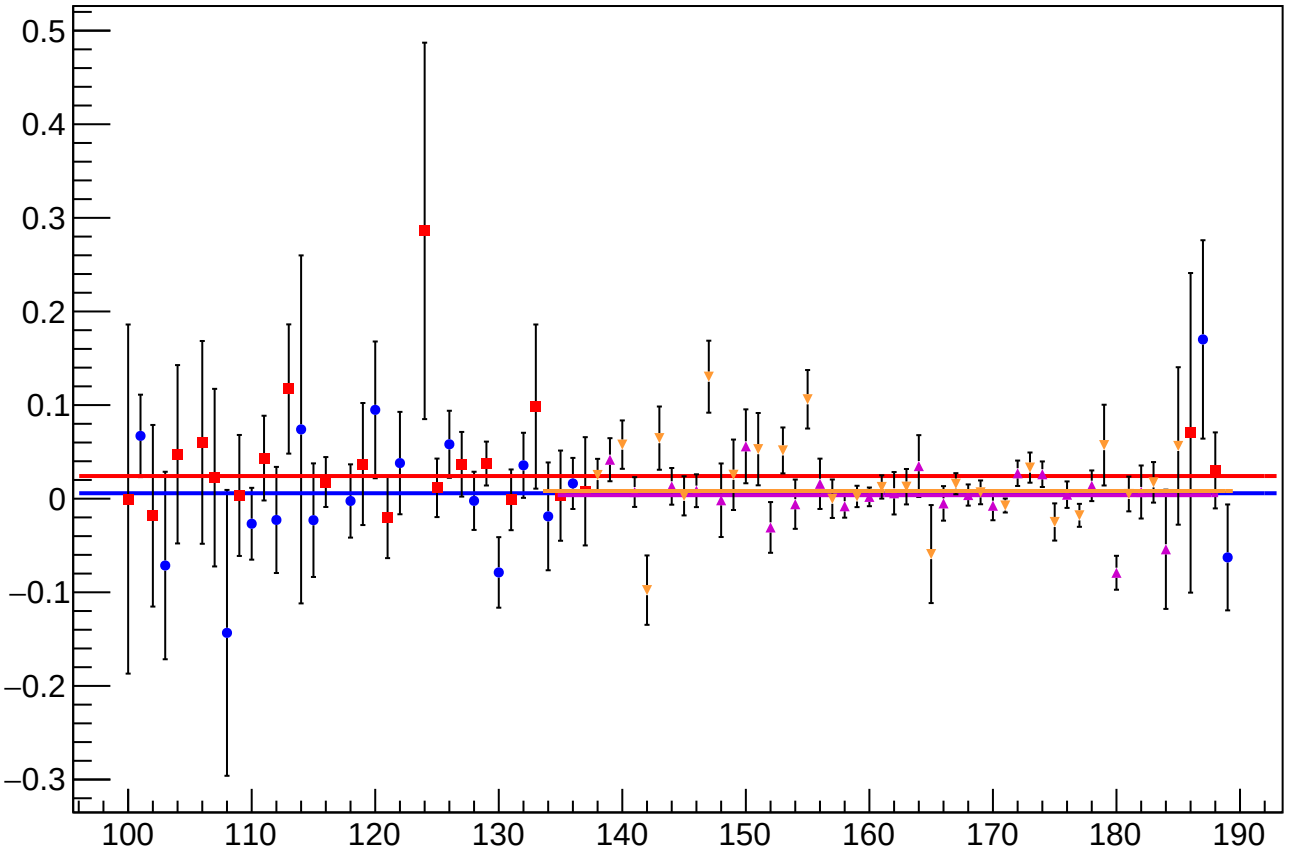
Right Out: 23.880+/-0.007 χ^2/NDF: 3913068.2/20

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

+ sign 13.656+/-0.002 χ^2/NDF: 11403686.4/42

All: 14.031+/-0.002 χ^2/NDF: 21195008.7/86

- sign 14.436+/-0.002 χ^2/NDF: 9737411.2/43



Right In: 0.006+/-0.011 χ^2/NDF: 18.9/17

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

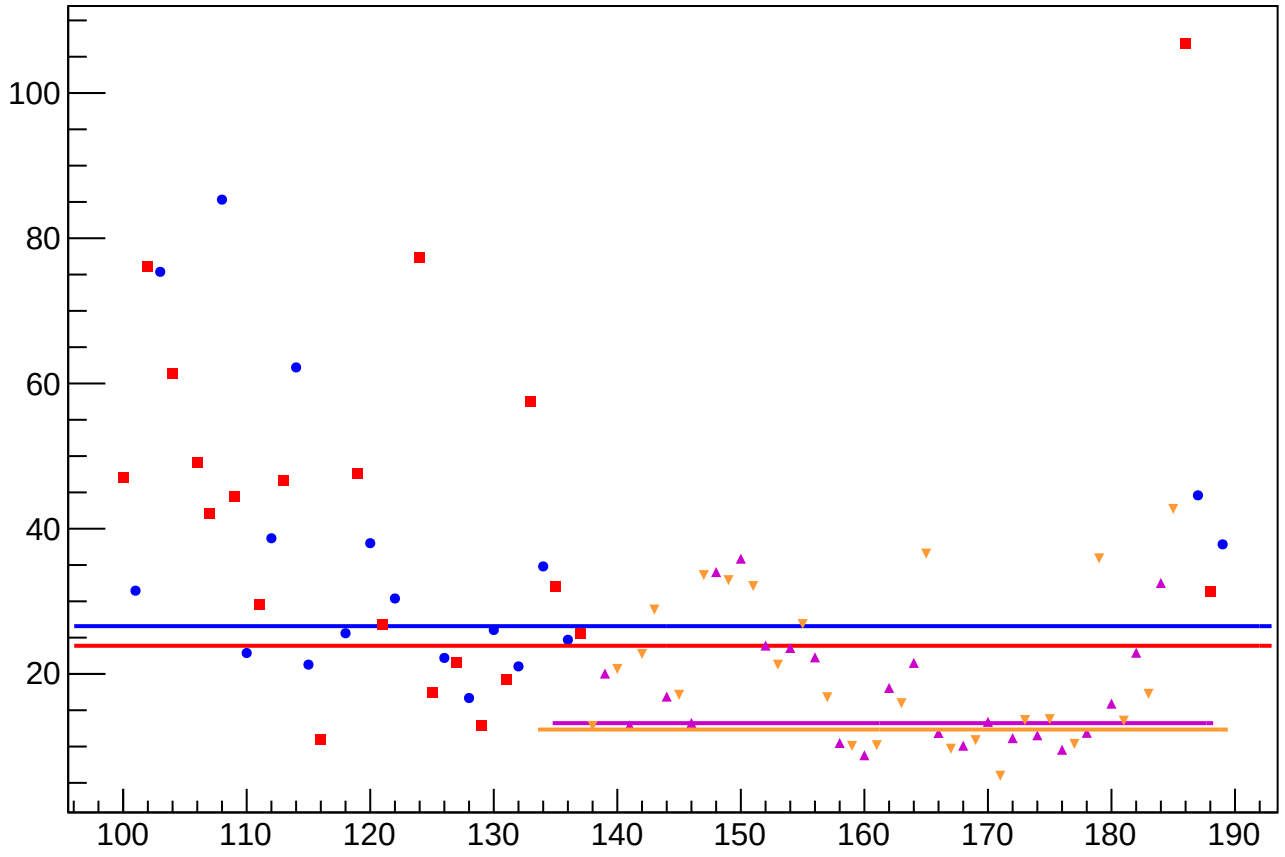
Right Out: 0.024+/-0.010 χ^2/NDF: 7.6/20

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 77.7/42

All: 0.007+/-0.002 χ^2/NDF: 126.3/86

- sign 0.006+/-0.003 χ^2/NDF: 48.4/43



Right In: 26.580+/-0.008 χ^2/NDF: 1525206.2/17

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

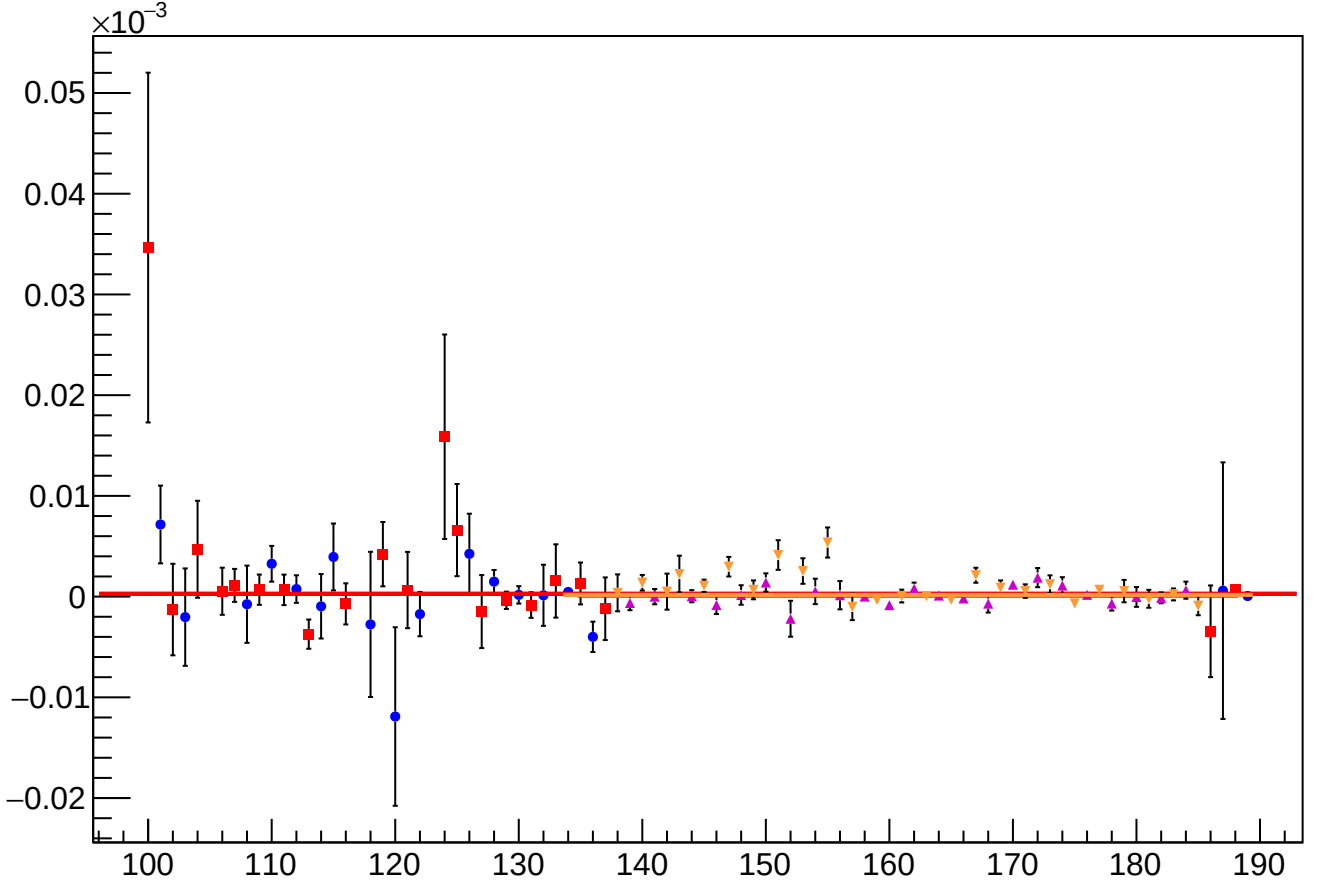
Right Out: 23.880+/-0.007 χ^2/NDF: 3913068.2/20

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

+ sign 13.656+/-0.002 χ^2/NDF: 11403686.4/42

All: 14.031+/-0.002 χ^2/NDF: 21195008.7/86

- sign 14.436+/-0.002 χ^2/NDF: 9737411.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 21.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:61.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.7/20

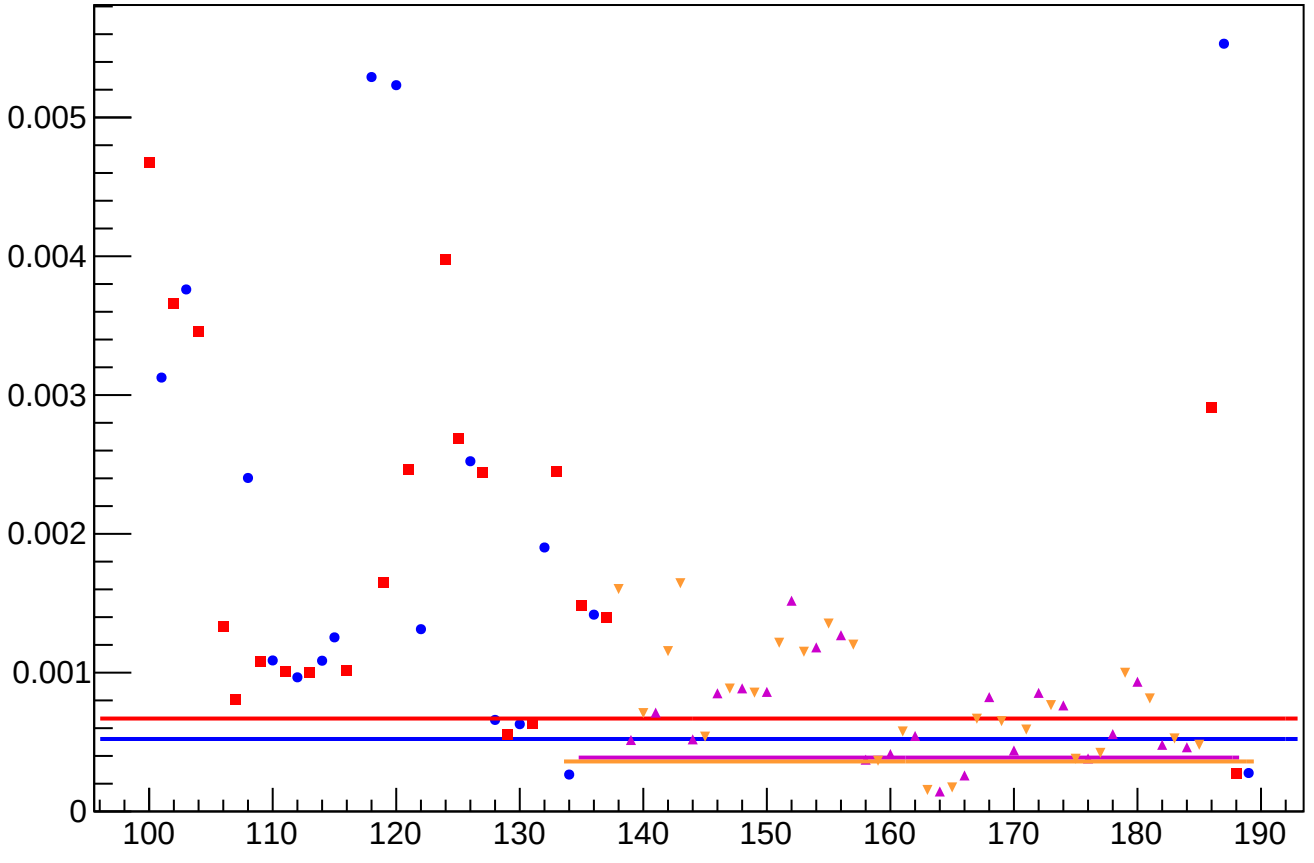
Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 82.8/42

All: 0.000+/-0.000 χ^2/NDF: 130.5/86

- sign 0.000+/-0.000 χ^2/NDF: 47.5/43

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 7678598.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:14019628.7/24

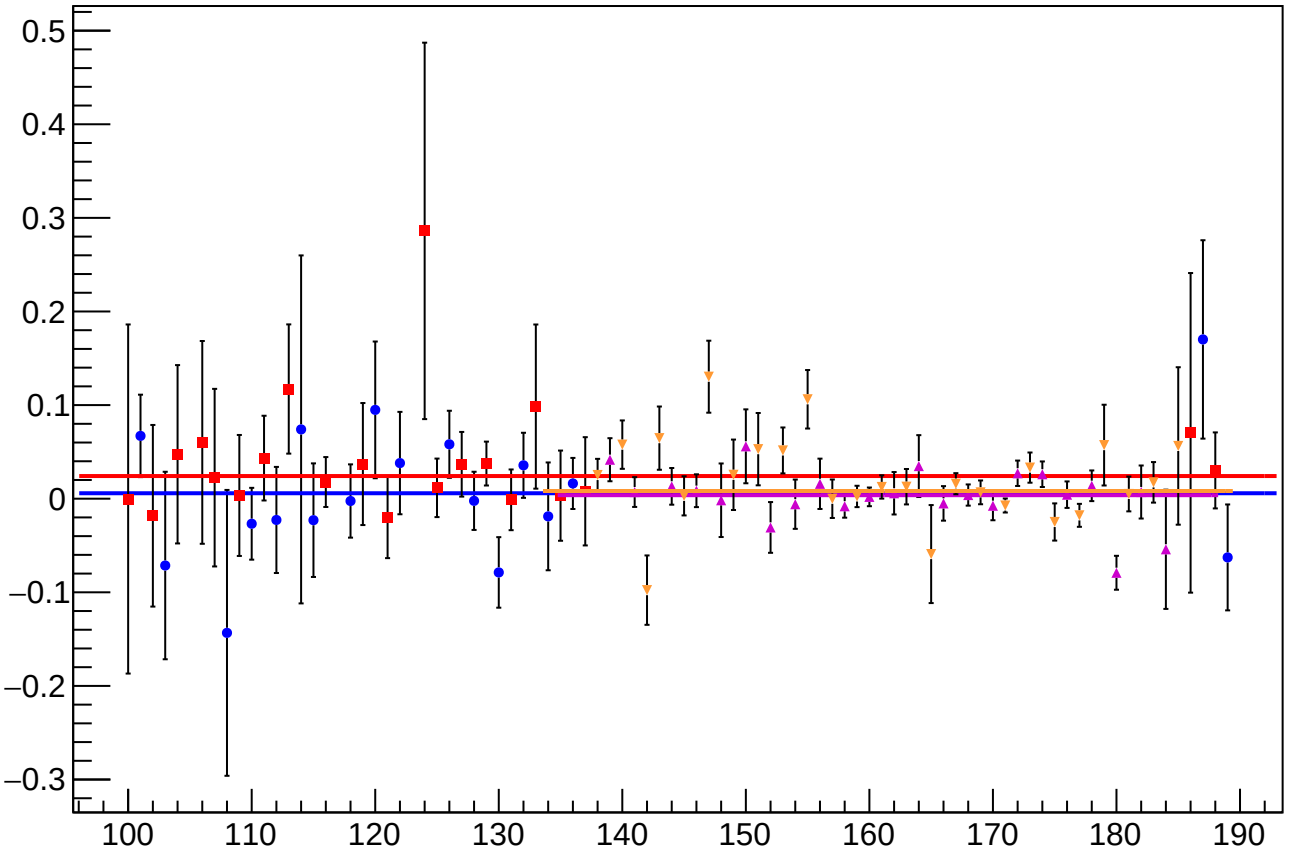
Right Out: 0.001+/-0.000 χ^2/NDF: 6823488.5/20

Left In: 0.000+/-0.000 χ^2/NDF:10459340.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 22298780.7/42

All: 0.000+/-0.000 χ^2/NDF: 41073629.0/86

- sign 0.000+/-0.000 χ^2/NDF: 18637282.6/43



Right In: 0.006+/-0.011 χ^2/NDF: 18.9/17

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

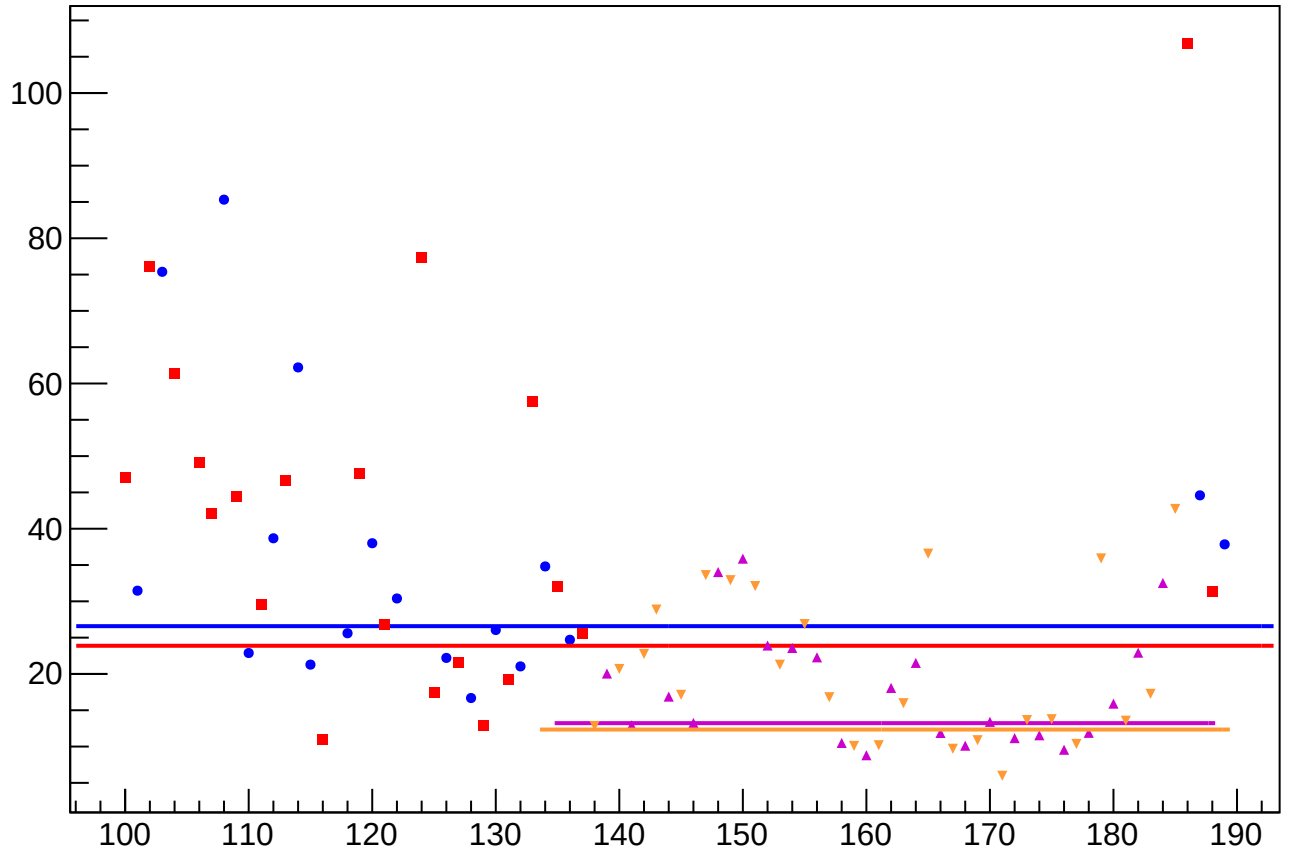
Right Out: 0.024+/-0.010 χ^2/NDF: 7.6/20

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 77.7/42

All: 0.007+/-0.002 χ^2/NDF: 126.3/86

- sign 0.006+/-0.003 χ^2/NDF: 48.4/43



Right In: 26.581+/-0.008 χ^2/NDF: 1525148.8/17

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

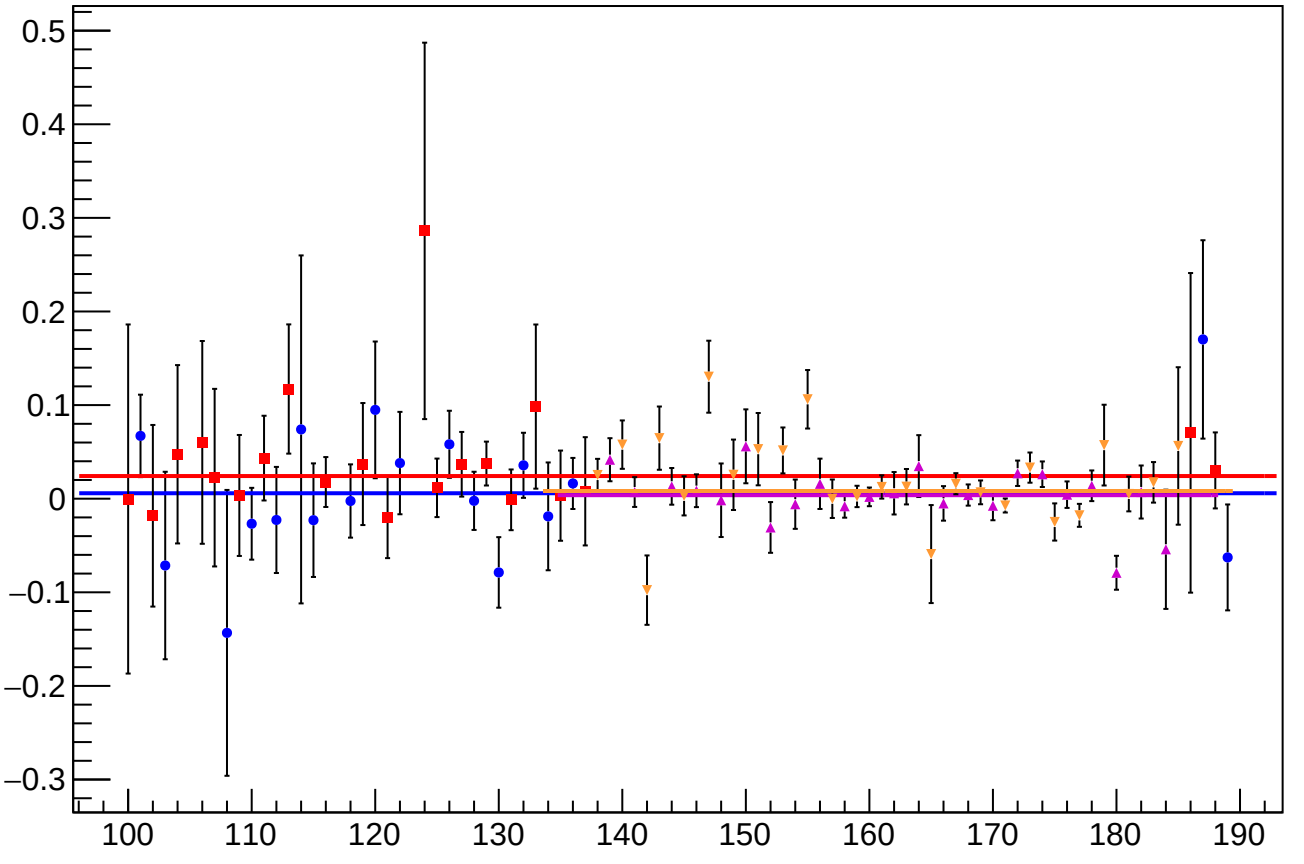
Right Out: 23.881+/-0.007 χ^2/NDF: 3912876.2/20

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

+ sign 13.656+/-0.002 χ^2/NDF: 11403929.8/42

All: 14.031+/-0.002 χ^2/NDF: 21195325.9/86

- sign 14.436+/-0.002 χ^2/NDF: 9737489.9/43



Right In: 0.006+/-0.011 χ^2/NDF: 18.9/17

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

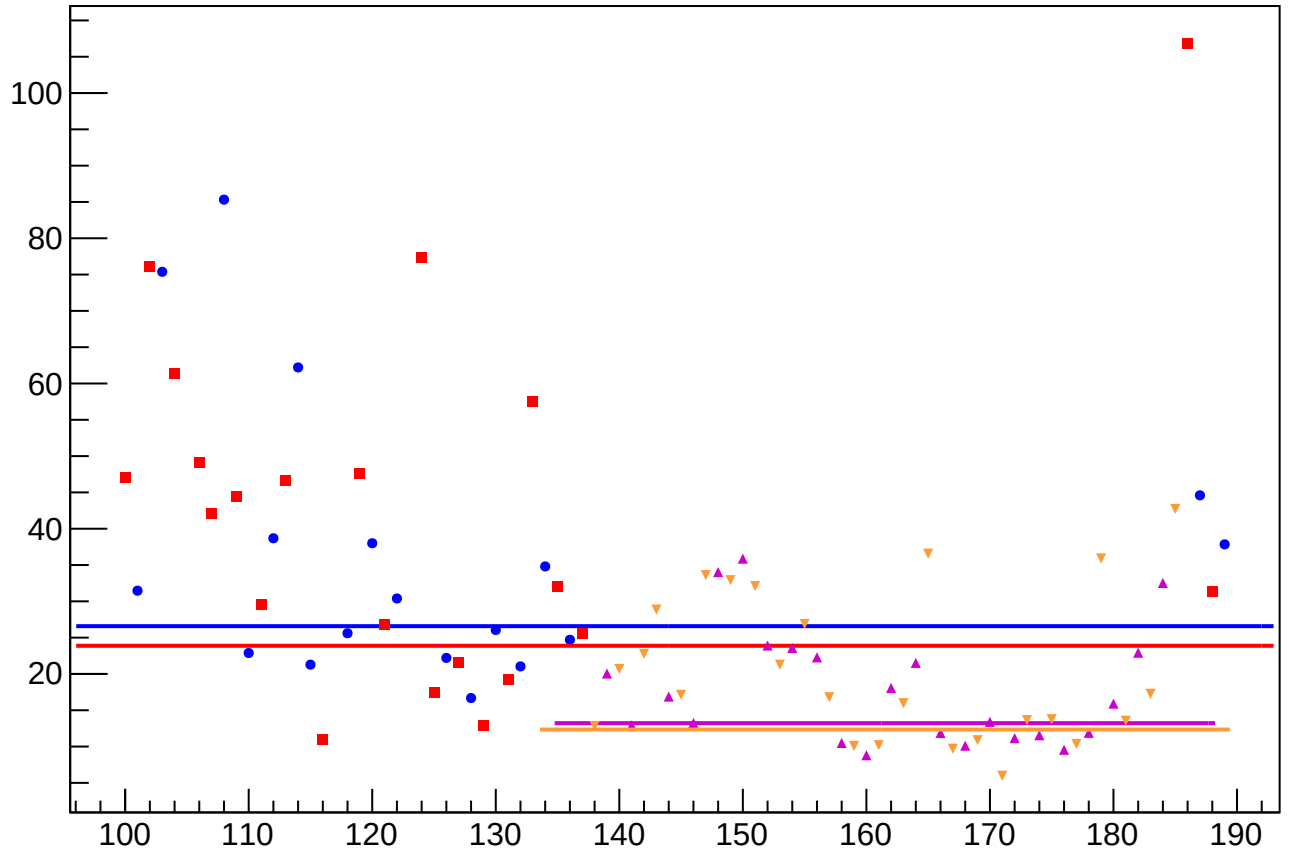
Right Out: 0.024+/-0.010 χ^2/NDF: 7.6/20

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 77.7/42

All: 0.007+/-0.002 χ^2/NDF: 126.3/86

- sign 0.006+/-0.003 χ^2/NDF: 48.4/43



Right In: 26.581+/-0.008 χ^2/NDF: 1525148.8/17

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

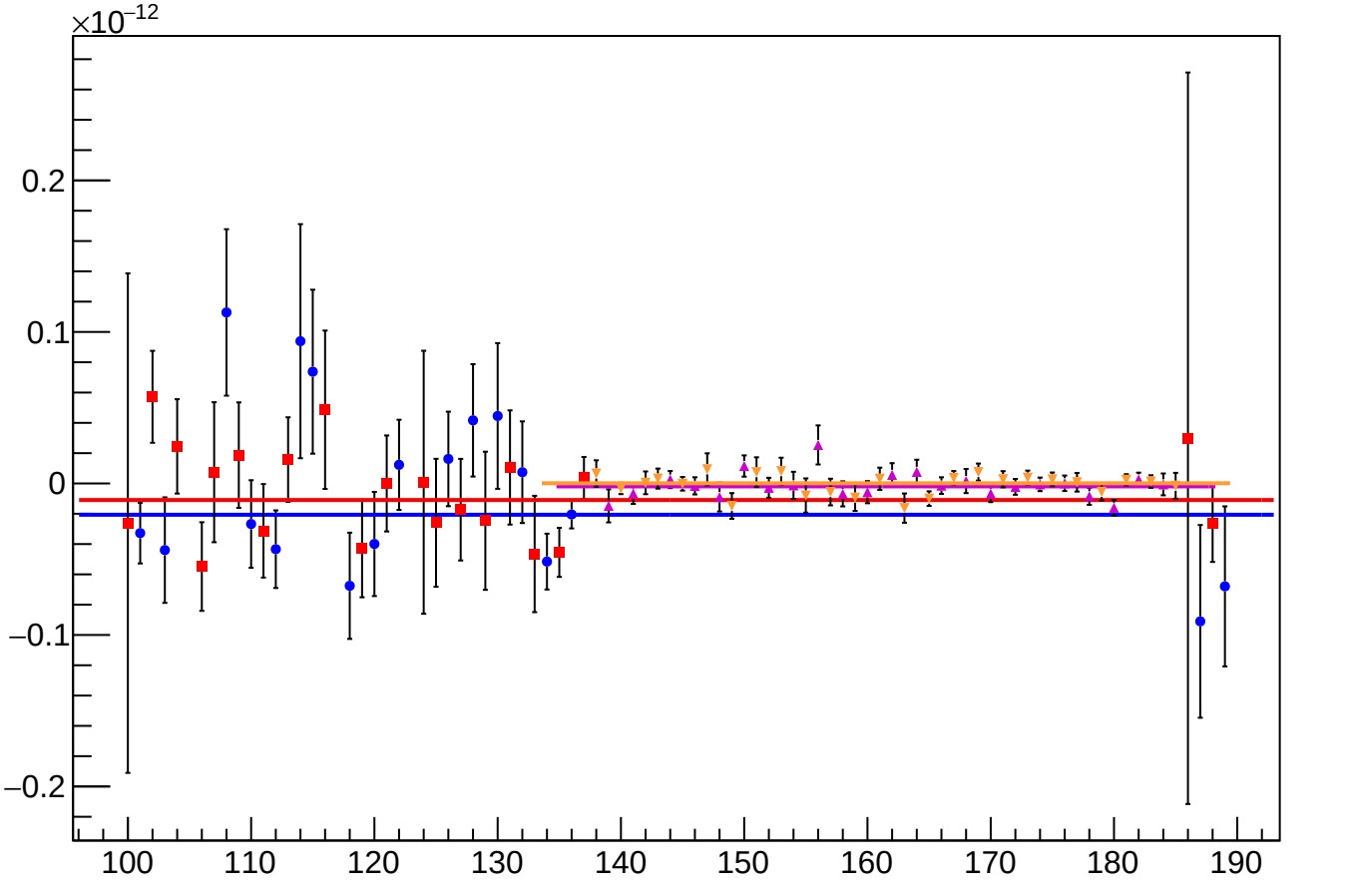
Right Out: 23.881+/-0.007 χ^2/NDF: 3912876.2/20

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

+ sign 13.656+/-0.002 χ^2/NDF: 11403929.8/42

All: 14.031+/-0.002 χ^2/NDF: 21195325.9/86

- sign 14.436+/-0.002 χ^2/NDF: 9737489.9/43



Right In: -0.000+/-0.000 χ^2/NDF: 27.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:21.5/24

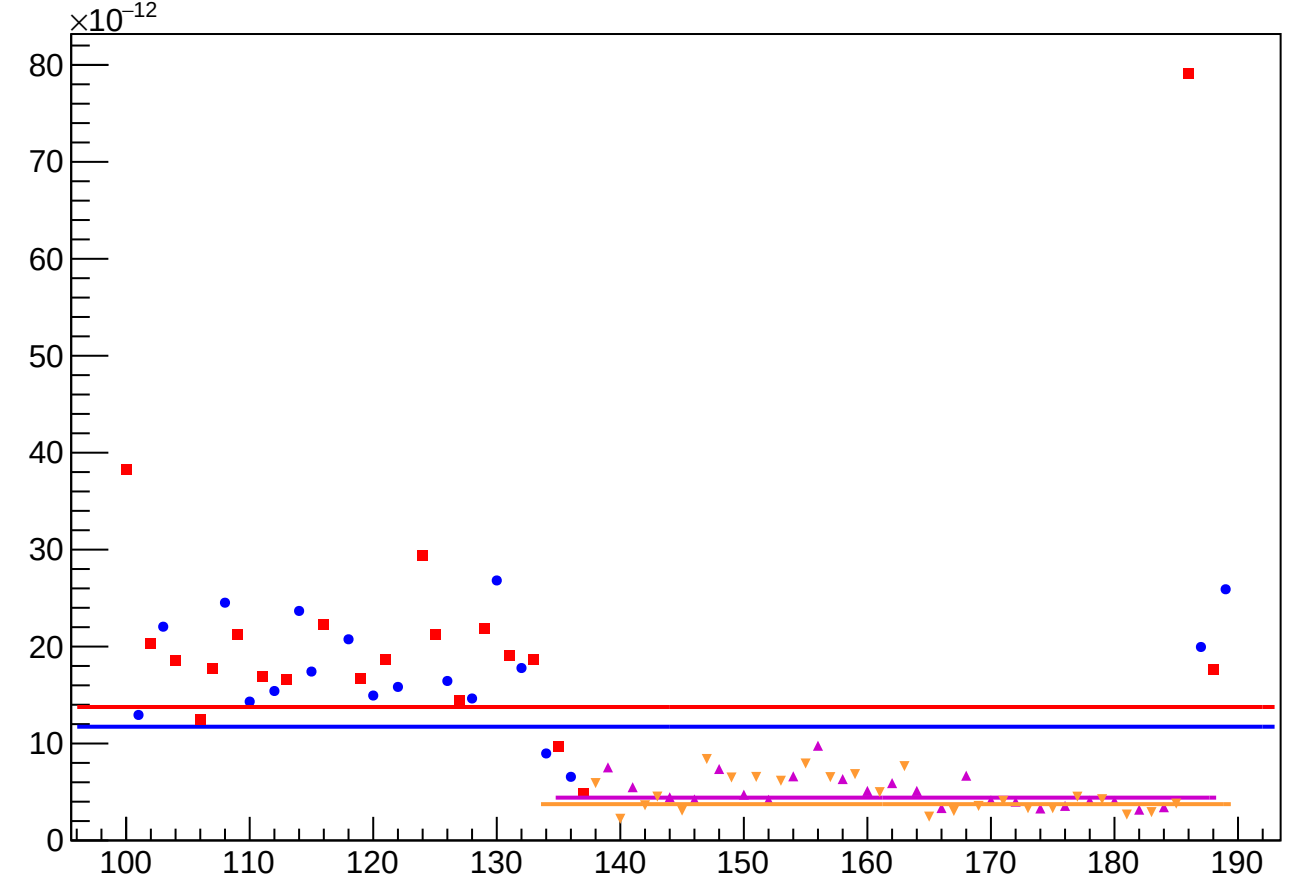
Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/20

Left In: -0.000+/-0.000 χ^2/NDF:25.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.9/42

All: -0.000+/-0.000 χ^2/NDF: 109.8/86

- sign -0.000+/-0.000 χ^2/NDF: 48.0/43



Right In: 0.000+/-0.000 χ^2/NDF: 1779853.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:3083424.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1870555.1/20

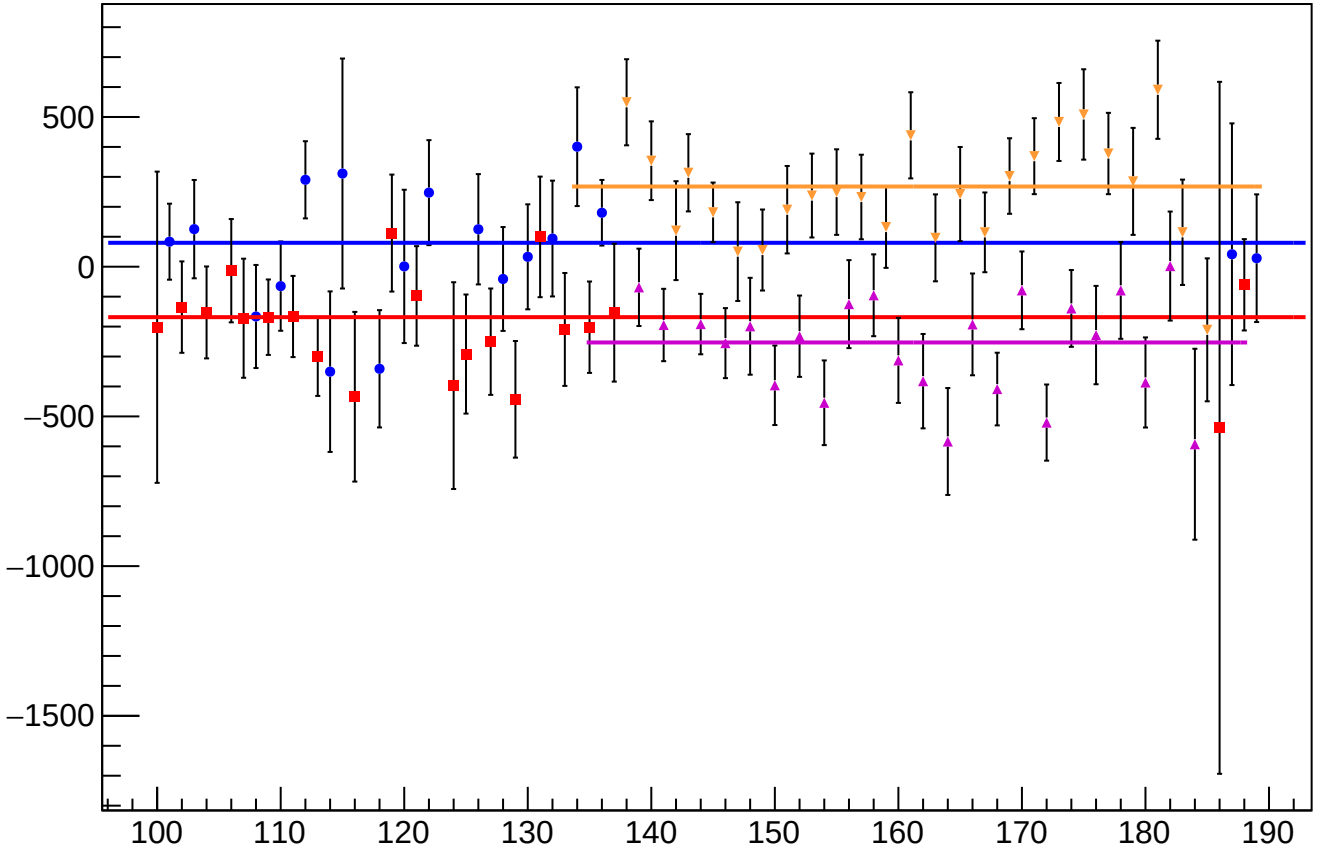
Left In: 0.000+/-0.000 χ^2/NDF:1736522.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 8316822.0/42

All: 0.000+/-0.000 χ^2/NDF: 16214158.8/86

- sign 0.000+/-0.000 χ^2/NDF: 7524719.2/43

reg_asym_sam_48_dd_mean vs Slug



Right In: 79.832+/-41.150 χ^2/NDF: 18.4/17

Left Out: 267.782+/-28.407 χ^2/NDF:31.0/24

Right Out: -168.503+/-39.277 χ^2/NDF: 10.5/20

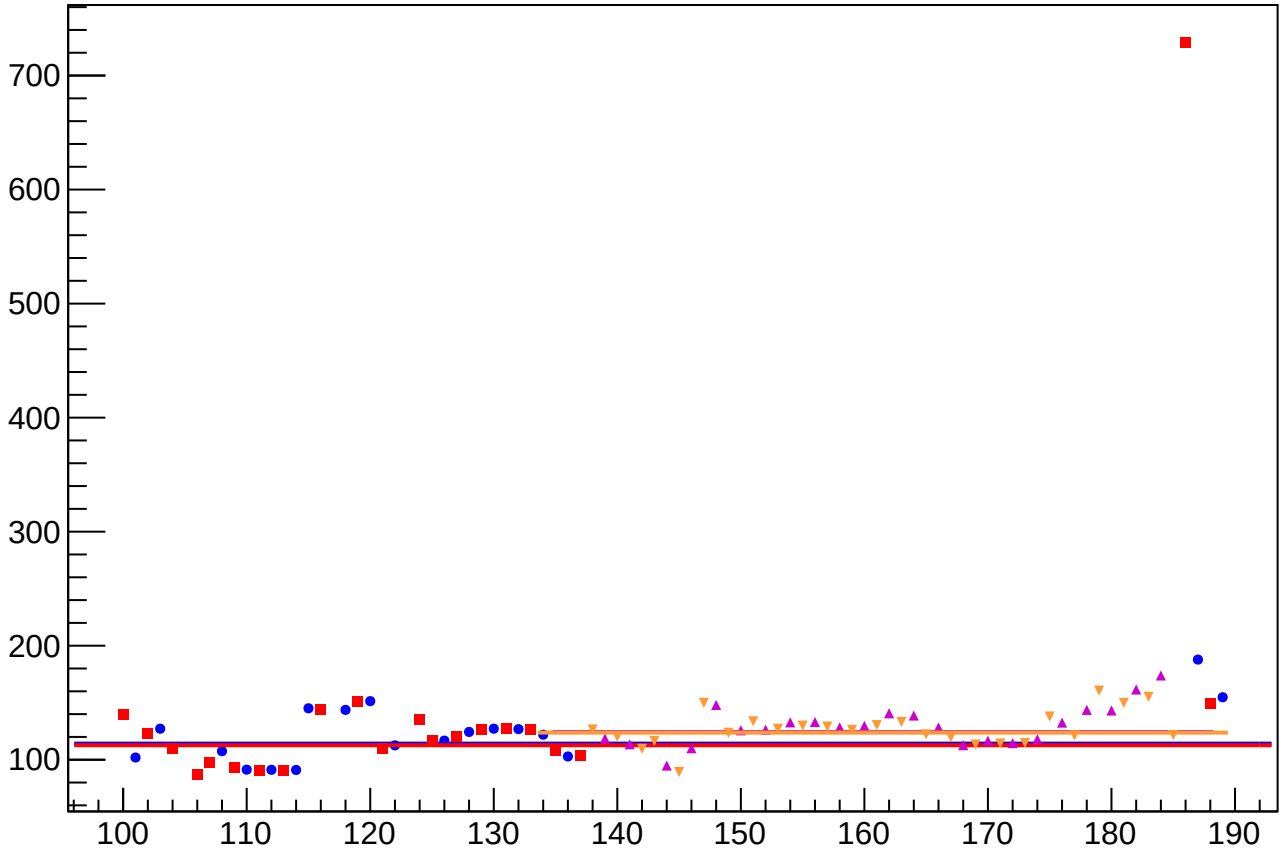
Left In: -253.048+/-29.313 χ^2/NDF:26.2/22

+ sign 207.121+/-23.378 χ^2/NDF: 63.6/42

All: -6.797+/-16.571 χ^2/NDF: 271.5/86

- sign -222.803+/-23.492 χ^2/NDF: 39.7/43

reg_asym_sam_48_dd_rms vs Slug



Right In: 114.135+/-0.029 χ^2/NDF: 441431.3/17

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 112.704+/-0.028 χ^2/NDF: 1064565.8/20

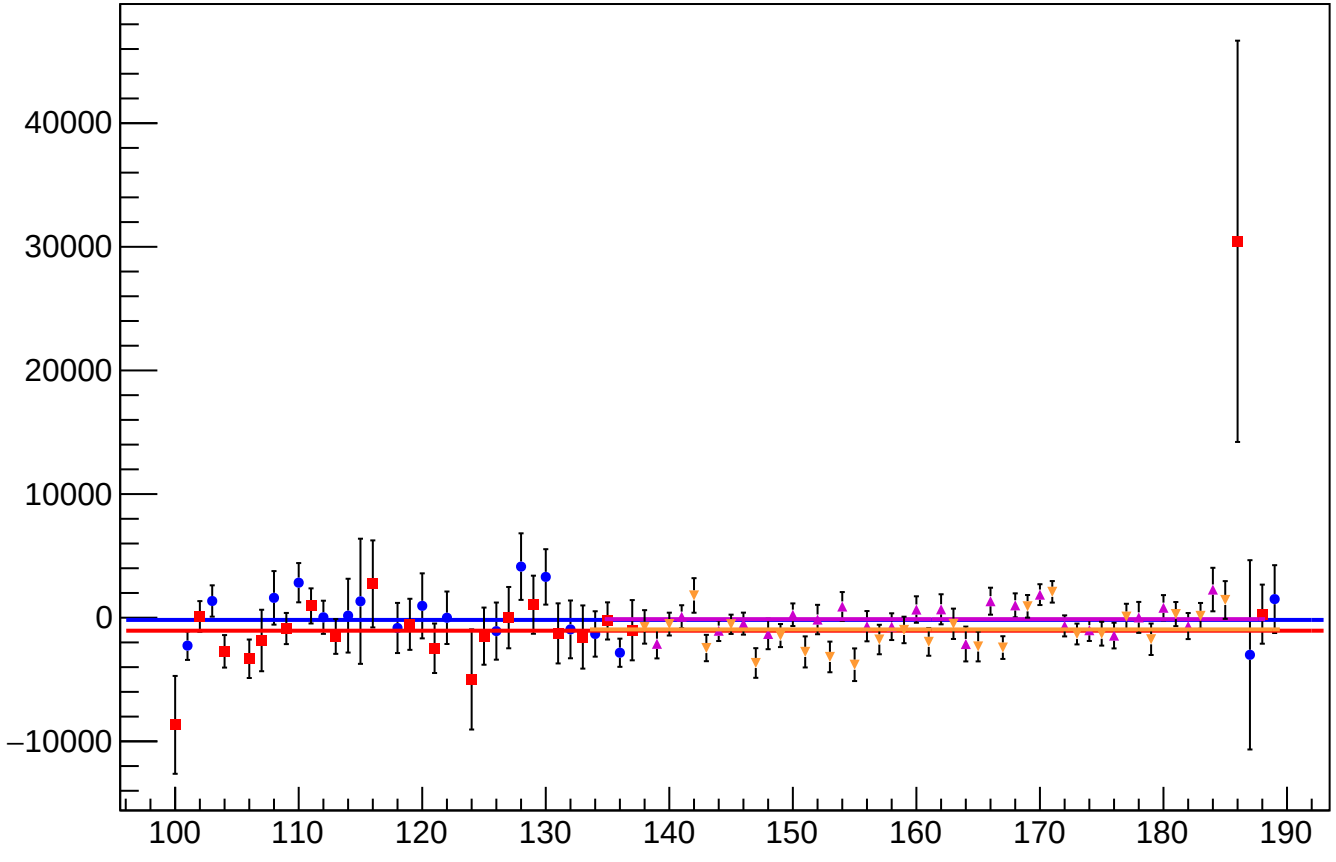
Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 120.685+/-0.017 χ^2/NDF: 1114716.7/42

All: 120.407+/-0.012 χ^2/NDF: 2848250.5/86

- sign 120.125+/-0.017 χ^2/NDF: 1732962.0/43

asym_sam_48_dd_reg_correction_mean vs Slug



Right In: -179.564+/-437.544 χ^2/NDF: 21.0/17

Left Out: -947.720+/-211.794 χ^2/NDF:50.3/24

Right Out: -1051.375+/-416.425 χ^2/NDF: 18.6/20

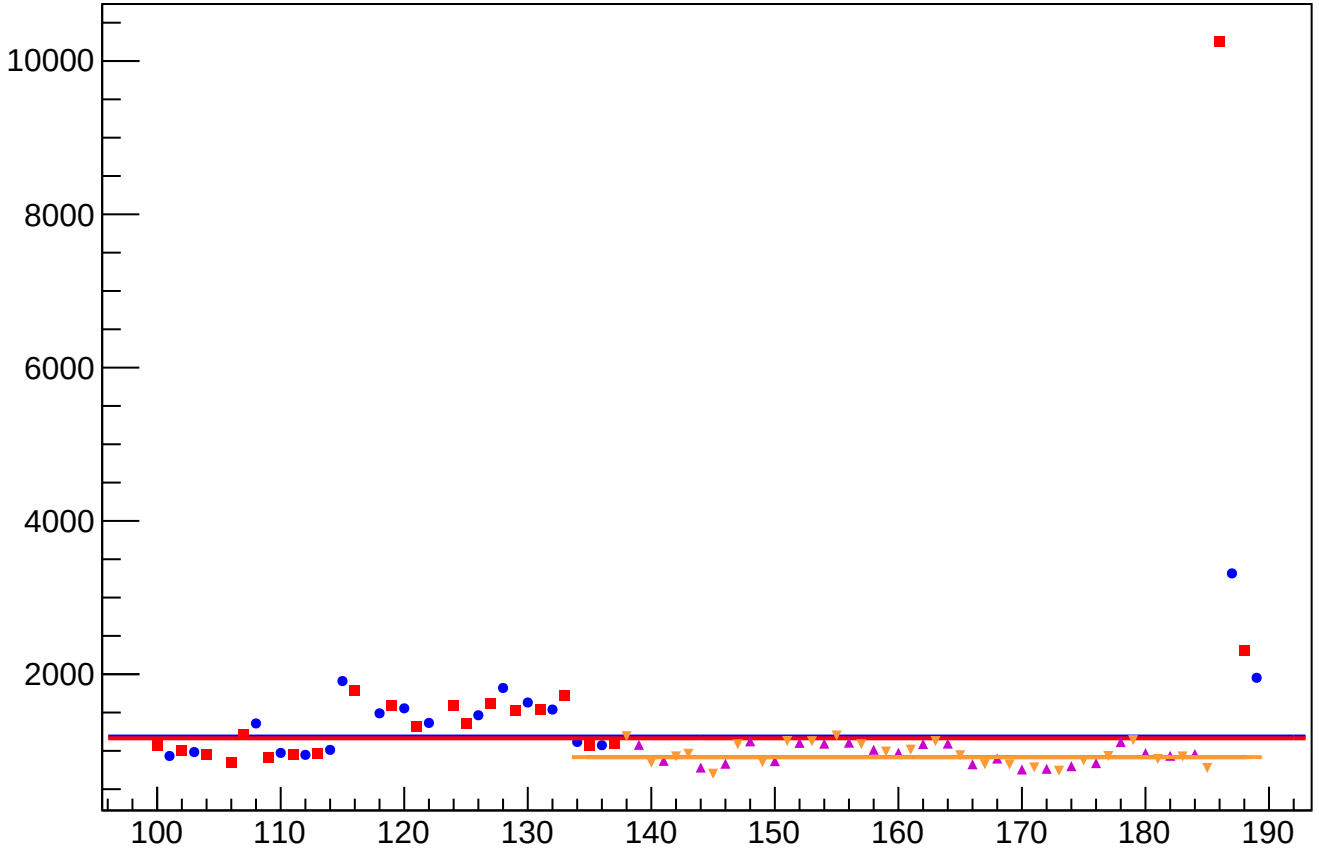
Left In: -118.433+/-217.165 χ^2/NDF:24.4/22

+ sign -801.903+/-190.635 χ^2/NDF: 73.7/42

All: -562.330+/-135.473 χ^2/NDF: 123.9/86

- sign -317.907+/-192.555 χ^2/NDF: 47.0/43

asym_sam_48_dd_reg_correction_rms vs Slug



Right In: 1186.806+/-0.309 χ^2/NDF: 1002076.5/17

Left Out: 918.501+/-0.150 χ^2/NDF:887820.0/24

Right Out: 1163.854+/-0.294 χ^2/NDF: 1889801.0/20

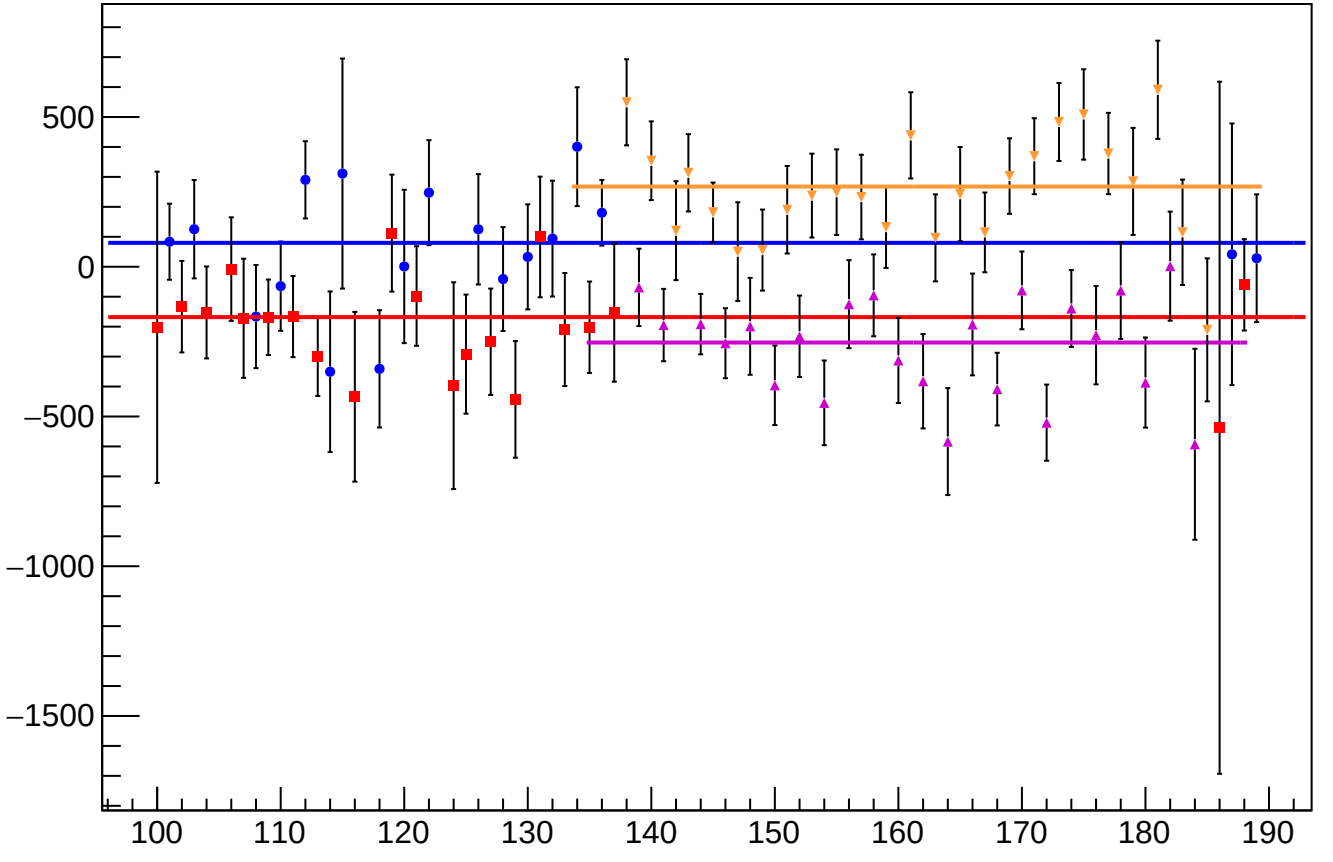
Left In: 918.214+/-0.154 χ^2/NDF:666262.3/22

+ sign 969.433+/-0.135 χ^2/NDF: 2499182.6/42

All: 970.077+/-0.096 χ^2/NDF: 5602407.6/86

- sign 970.735+/-0.136 χ^2/NDF: 3103178.9/43

cor_asym_sam_48_dd_mean vs Slug



Right In: 79.822+/-41.150 χ^2/NDF: 18.4/17

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: -168.133+/-39.282 χ^2/NDF: 10.6/20

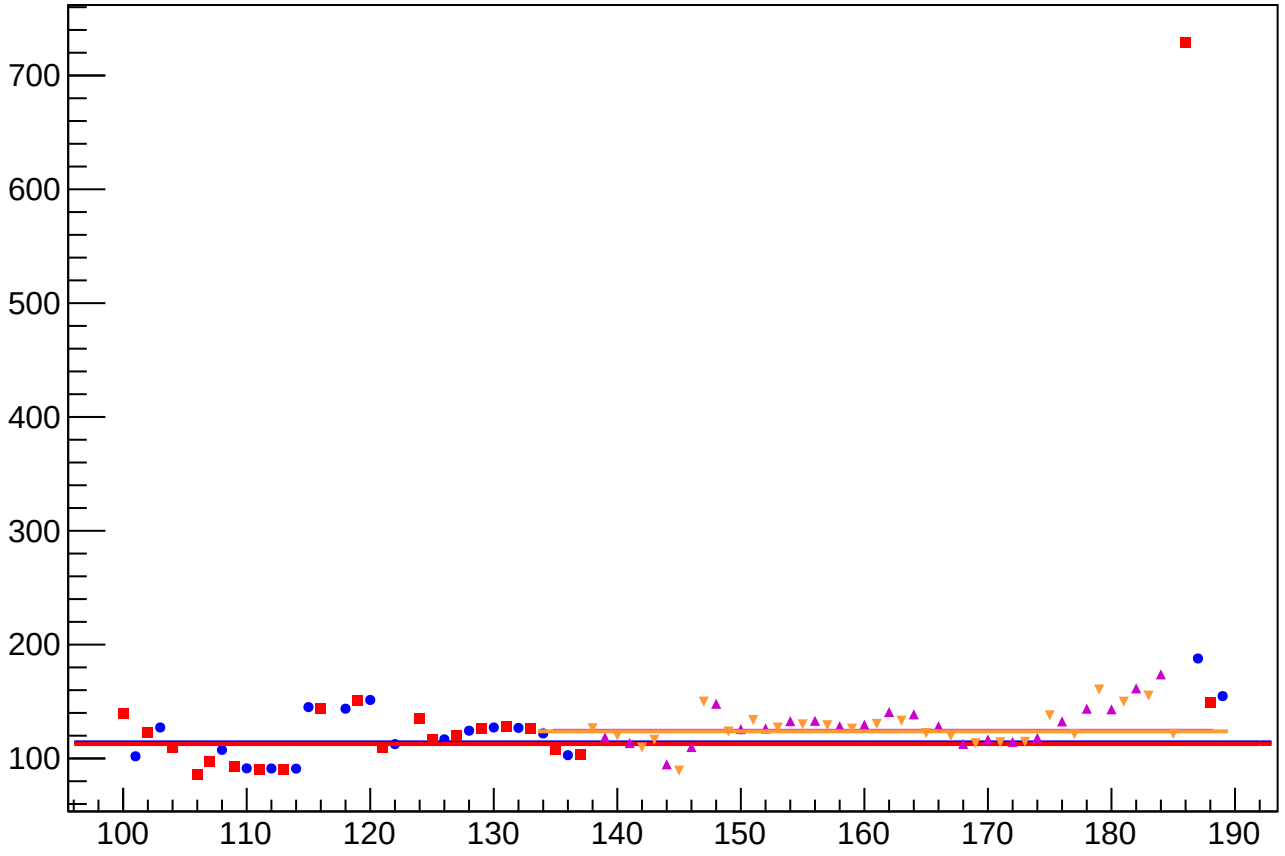
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 207.124+/-23.378 χ^2/NDF: 63.6/42

All: -6.723+/-16.571 χ^2/NDF: 271.5/86

- sign -222.678+/-23.493 χ^2/NDF: 39.7/43

cor_asym_sam_48_dd_rms vs Slug



Right In: 114.135+/-0.029 χ^2/NDF: 441432.3/17

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

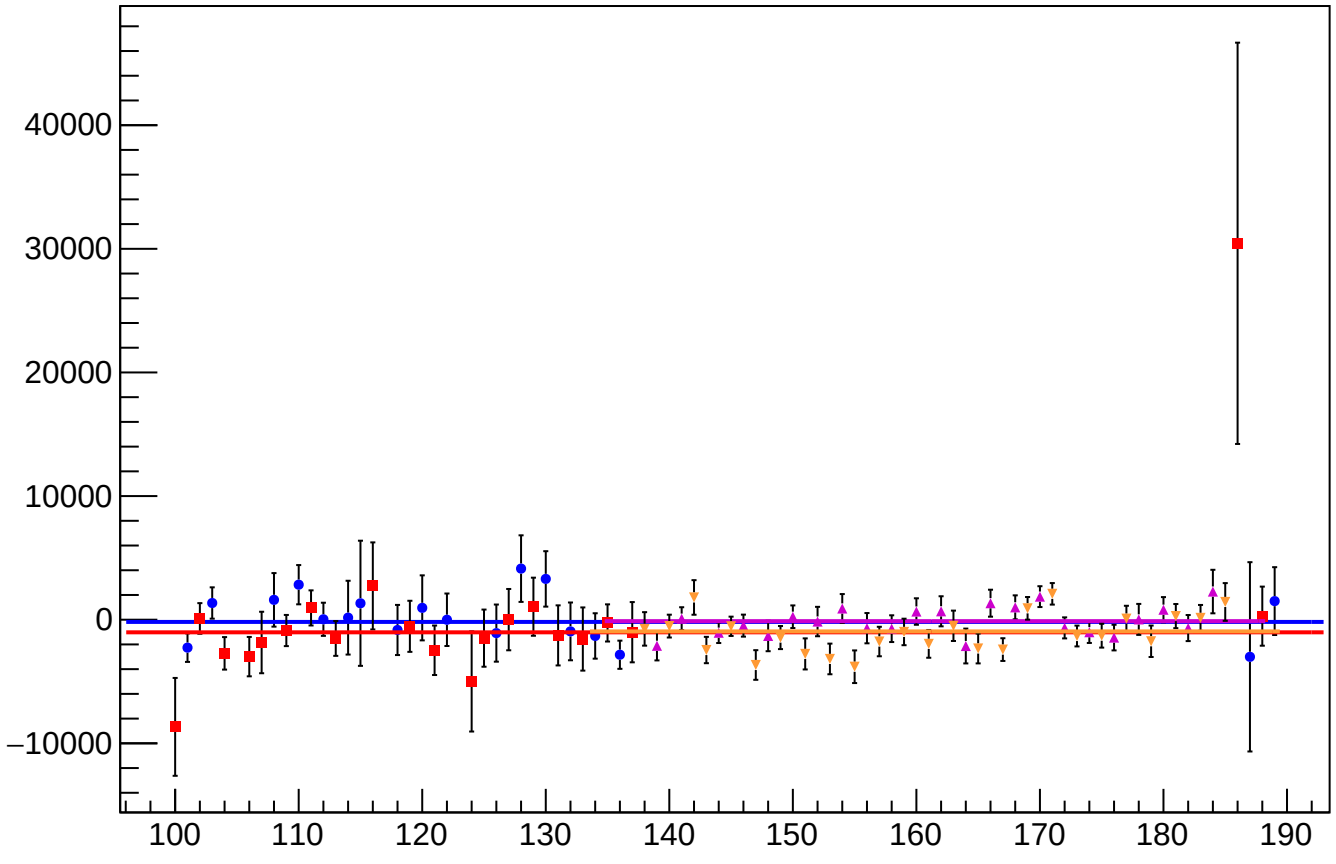
Right Out: 112.652+/-0.028 χ^2/NDF: 1068510.4/20

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 120.685+/-0.017 χ^2/NDF: 1114717.3/42

All: 120.398+/-0.012 χ^2/NDF: 2853207.3/86

- sign 120.107+/-0.017 χ^2/NDF: 1737881.5/43



Right In: -179.650+/-437.547 χ^2/NDF: 21.0/17

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: -1021.360+/-417.127 χ^2/NDF: 18.0/20

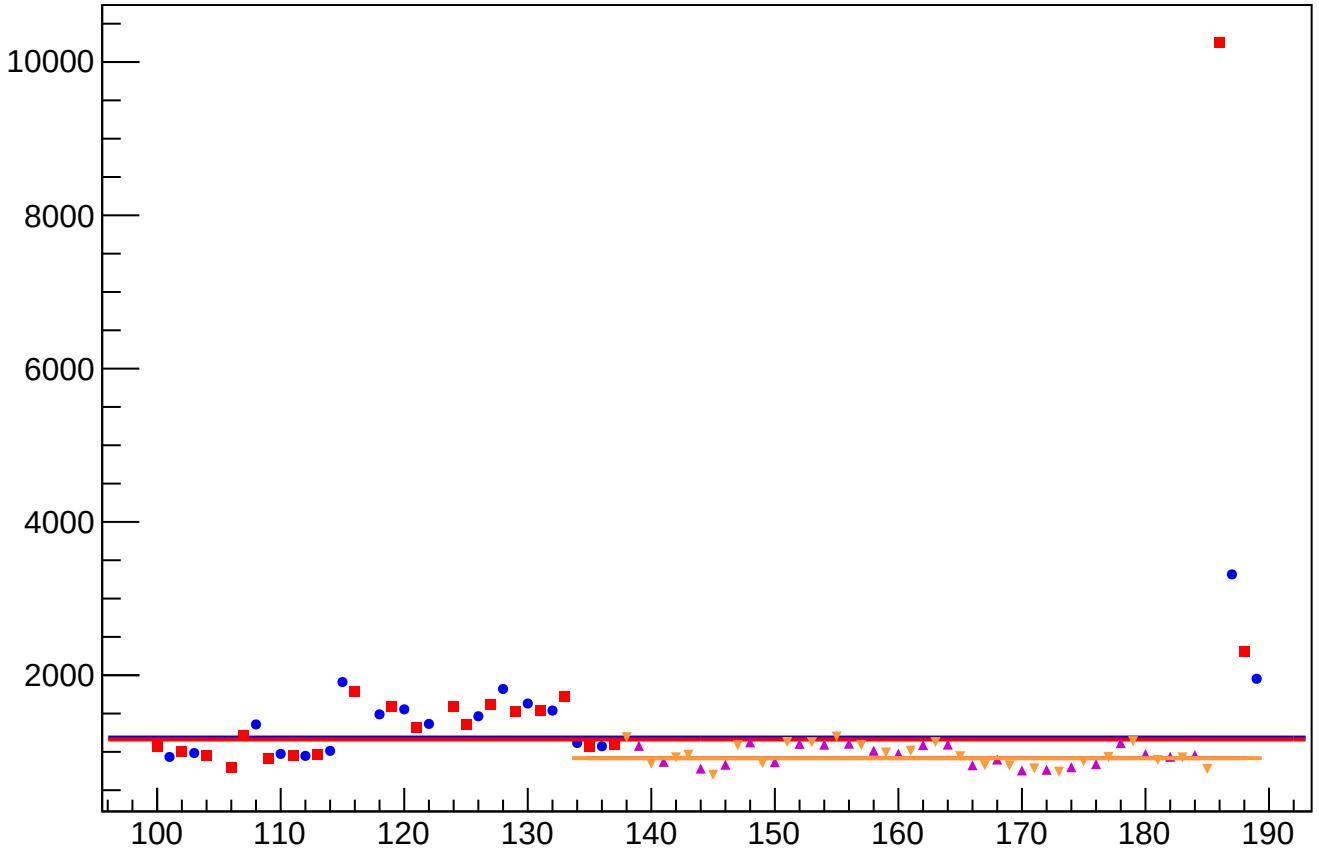
Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

+ sign -801.912+/-190.635 χ^2/NDF: 73.7/42

All: -558.994+/-135.497 χ^2/NDF: 123.1/86

- sign -310.981+/-192.624 χ^2/NDF: 46.1/43

asym_sam_48_dd_cor_correction_rms vs Slug



Right In: 1186.816+/-0.309 χ^2/NDF: 1002040.1/17

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1161.480+/-0.295 χ^2/NDF: 1913058.4/20

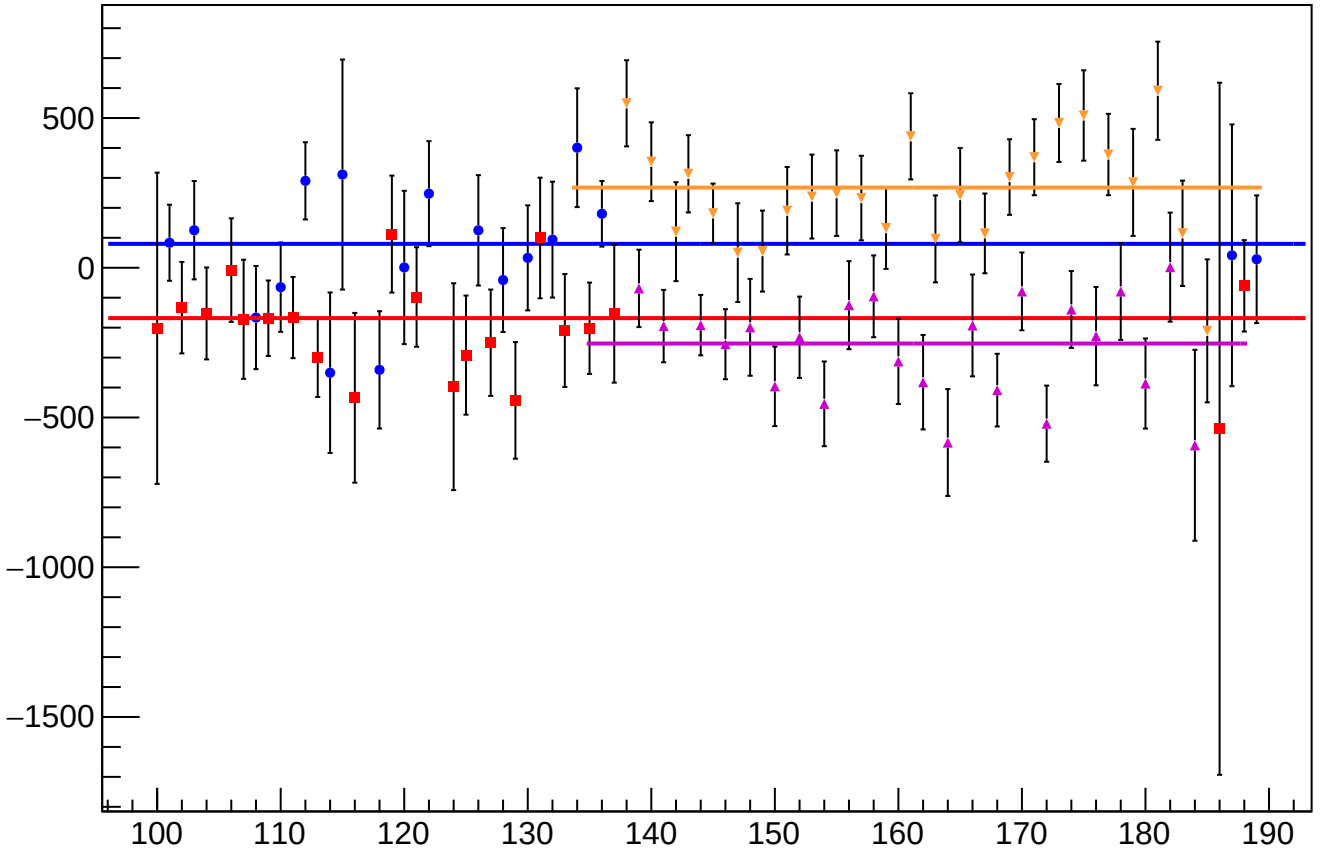
Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

+ sign 969.434+/-0.135 χ^2/NDF: 2499182.9/42

All: 969.759+/-0.096 χ^2/NDF: 5613691.1/86

- sign 970.090+/-0.136 χ^2/NDF: 3114496.6/43

eigen_cor_asym_sam_48_dd_mean vs Slug



Right In: 79.822+/-41.150 χ^2/NDF: 18.4/17

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: -168.133+/-39.282 χ^2/NDF: 10.6/20

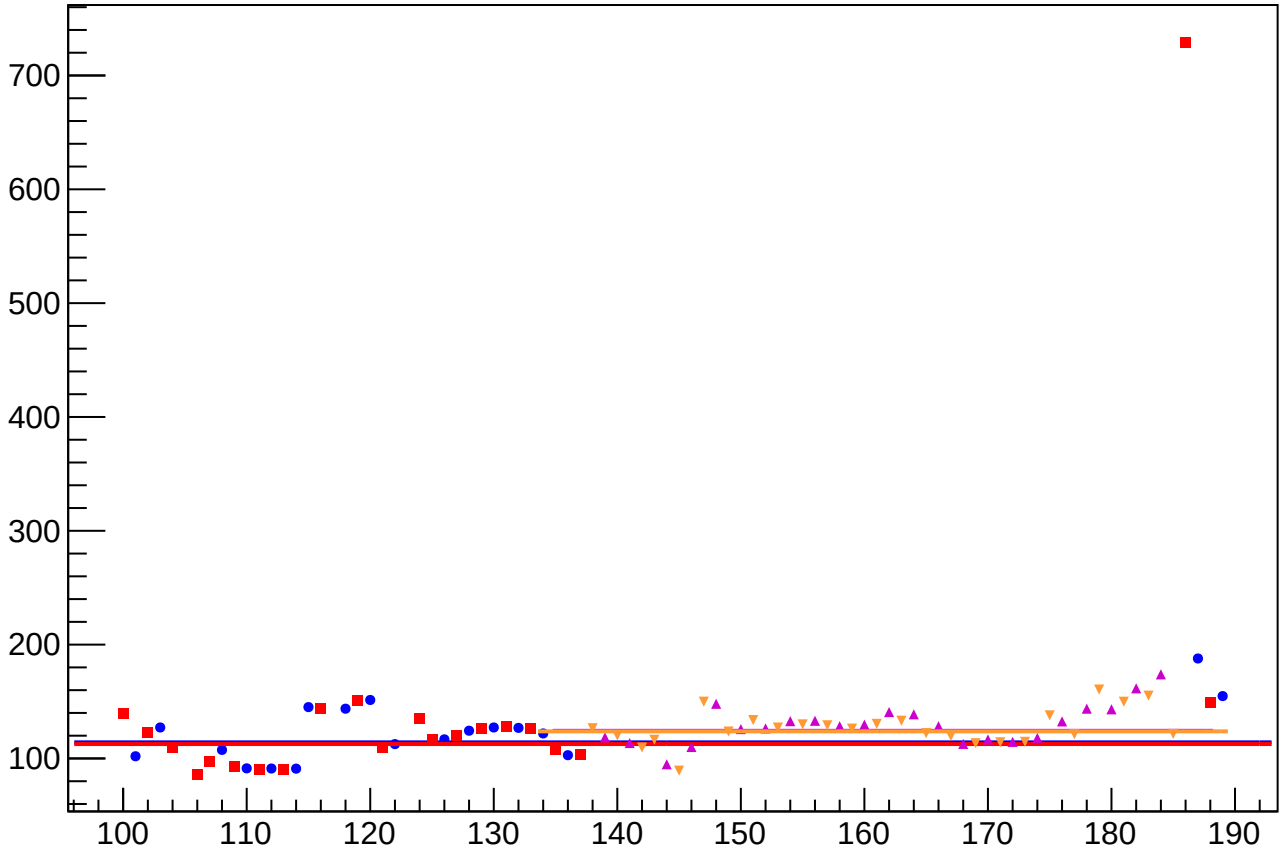
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 207.124+/-23.378 χ^2/NDF: 63.6/42

All: -6.723+/-16.571 χ^2/NDF: 271.5/86

- sign -222.678+/-23.493 χ^2/NDF: 39.7/43

eigen_cor_asym_sam_48_dd_rms vs Slug



Right In: 114.135+/-0.029 χ^2/NDF: 441432.3/17

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

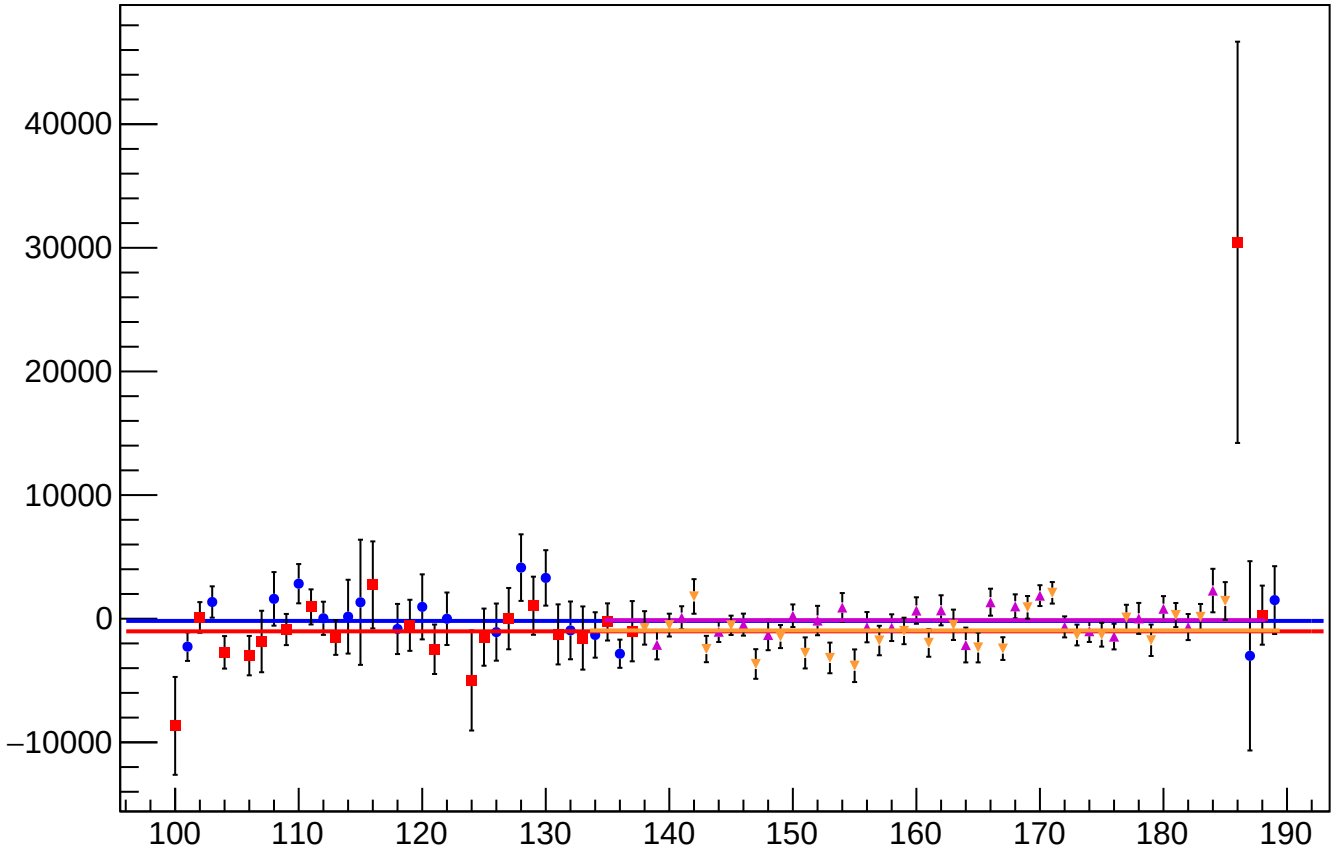
Right Out: 112.652+/-0.028 χ^2/NDF: 1068510.4/20

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 120.685+/-0.017 χ^2/NDF: 1114717.3/42

All: 120.398+/-0.012 χ^2/NDF: 2853207.3/86

- sign 120.107+/-0.017 χ^2/NDF: 1737881.5/43



Right In: -179.650+/-437.547 χ^2/NDF: 21.0/17

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: -1021.360+/-417.127 χ^2/NDF: 18.0/20

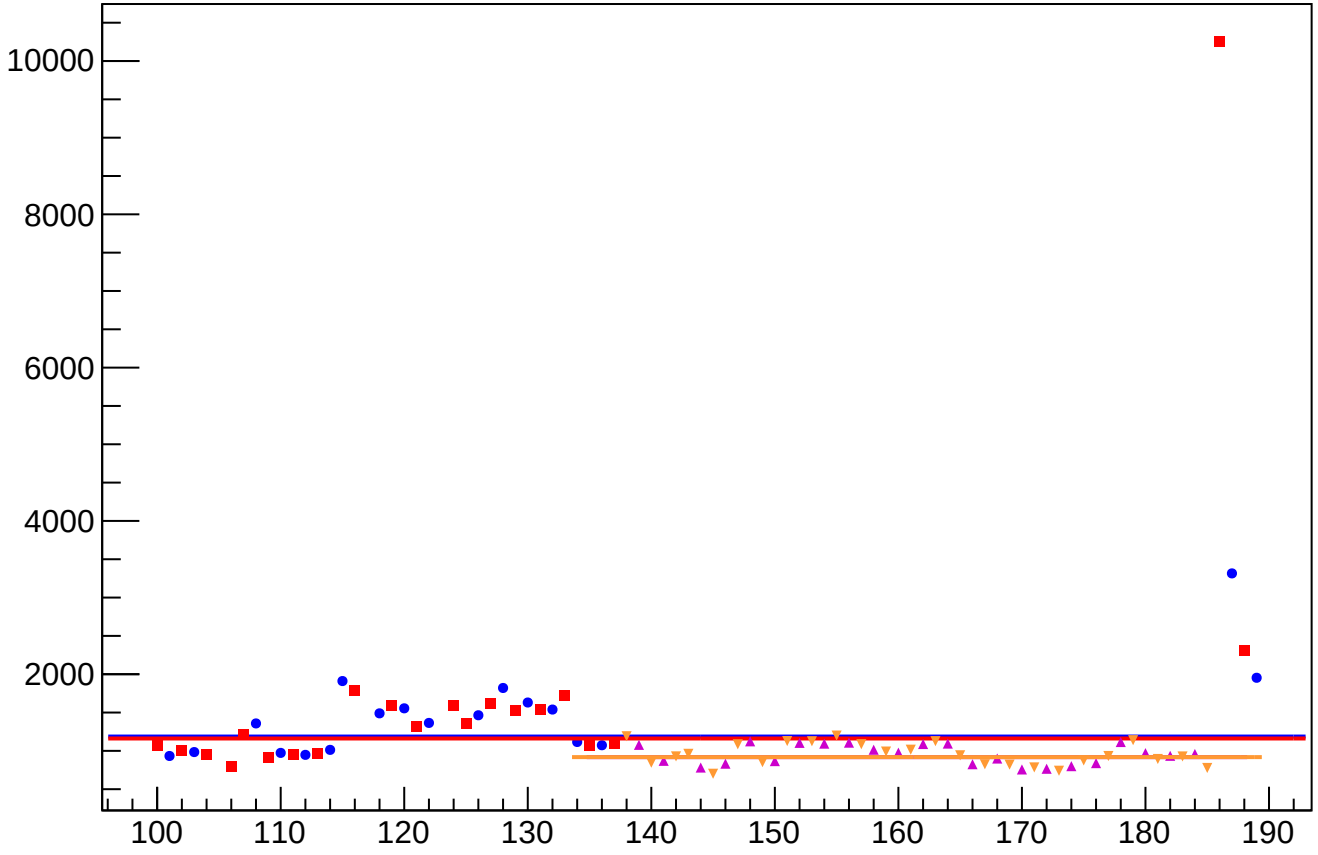
Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

+ sign -801.912+/-190.635 χ^2/NDF: 73.7/42

All: -558.994+/-135.497 χ^2/NDF: 123.1/86

- sign -310.981+/-192.624 χ^2/NDF: 46.1/43

asym_sam_48_dd_eigen_cor_correction_rms vs Slug



Right In: 1186.816+/-0.309 χ^2/NDF: 1002040.1/17

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1161.480+/-0.295 χ^2/NDF: 1913058.4/20

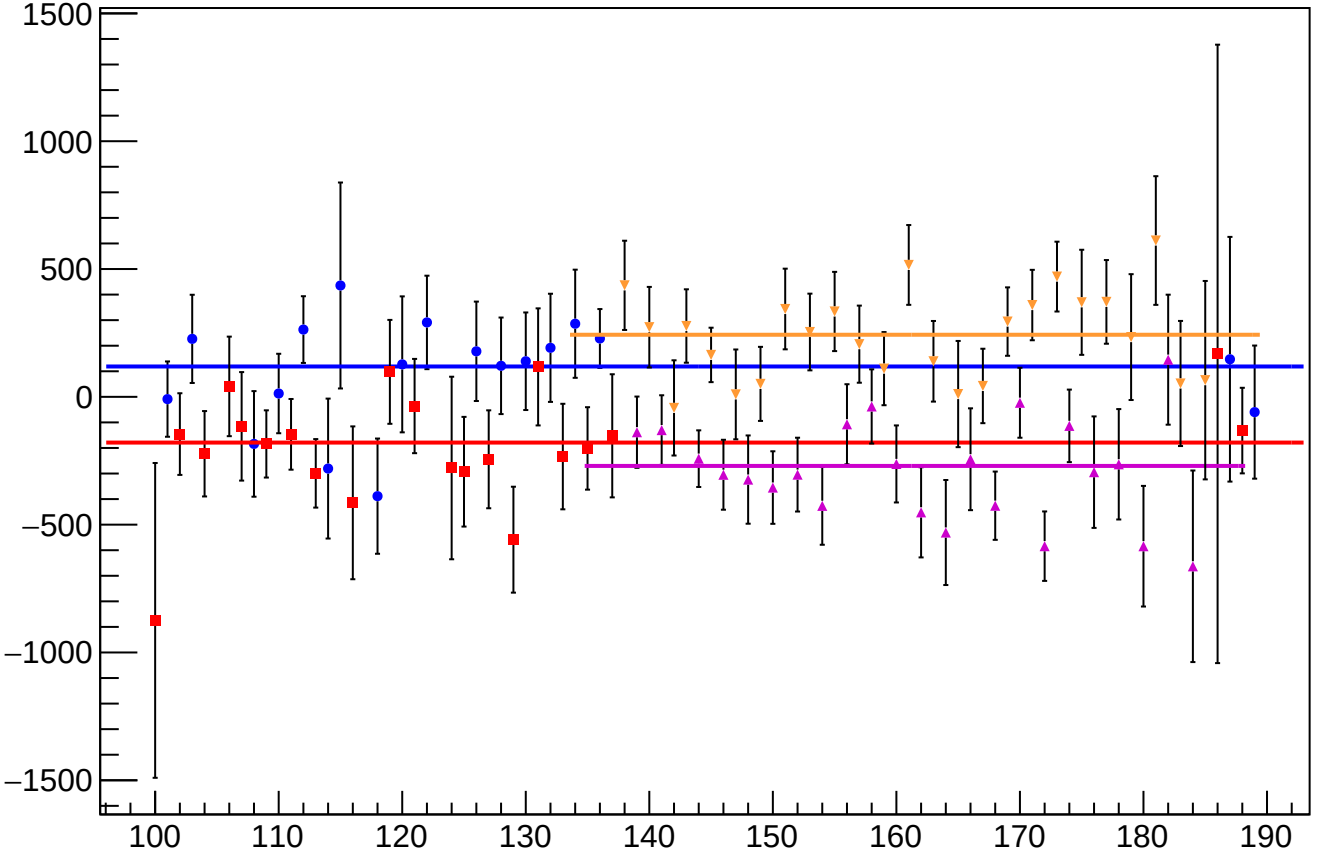
Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

+ sign 969.434+/-0.135 χ^2/NDF: 2499182.9/42

All: 969.759+/-0.096 χ^2/NDF: 5613691.1/86

- sign 970.090+/-0.136 χ^2/NDF: 3114496.6/43

dit_asym_sam_48_dd_mean vs Slug



Right In: 118.757+/-44.378 χ^2/NDF: 15.9/17

Left Out: 242.890+/-32.138 χ^2/NDF:23.7/24

Right Out: -178.896+/-41.826 χ^2/NDF: 12.5/20

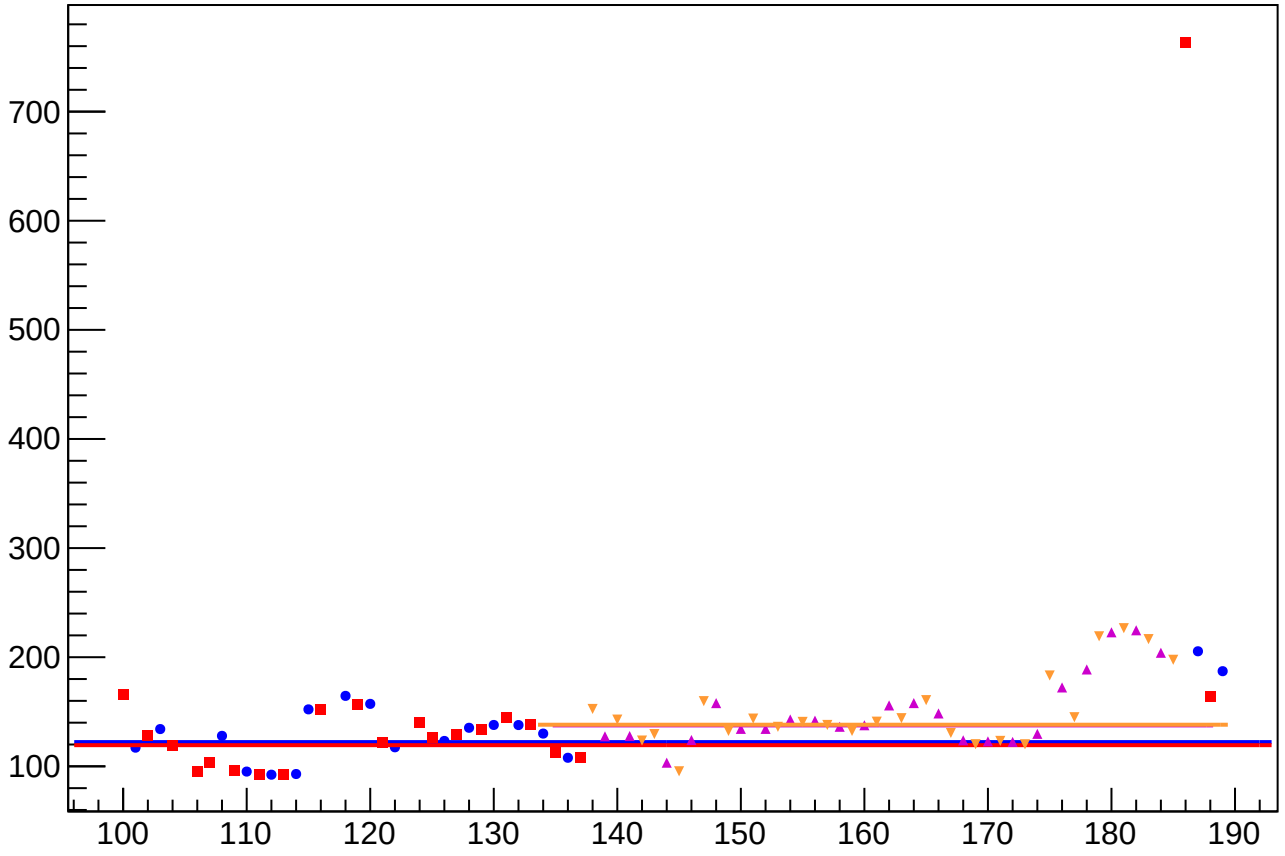
Left In: -270.243+/-32.893 χ^2/NDF:26.7/22

+ sign 200.185+/-26.030 χ^2/NDF: 44.7/42

All: -19.037+/-18.344 χ^2/NDF: 227.7/86

- sign -235.337+/-25.856 χ^2/NDF: 42.1/43

dit_asym_sam_48_dd_rms vs Slug



Right In: 122.200+/-0.031 χ^2/NDF: 572527.3/17

Left Out: 138.127+/-0.023 χ^2/NDF:1338308.5/24

Right Out: 119.394+/-0.030 χ^2/NDF: 1148537.2/20

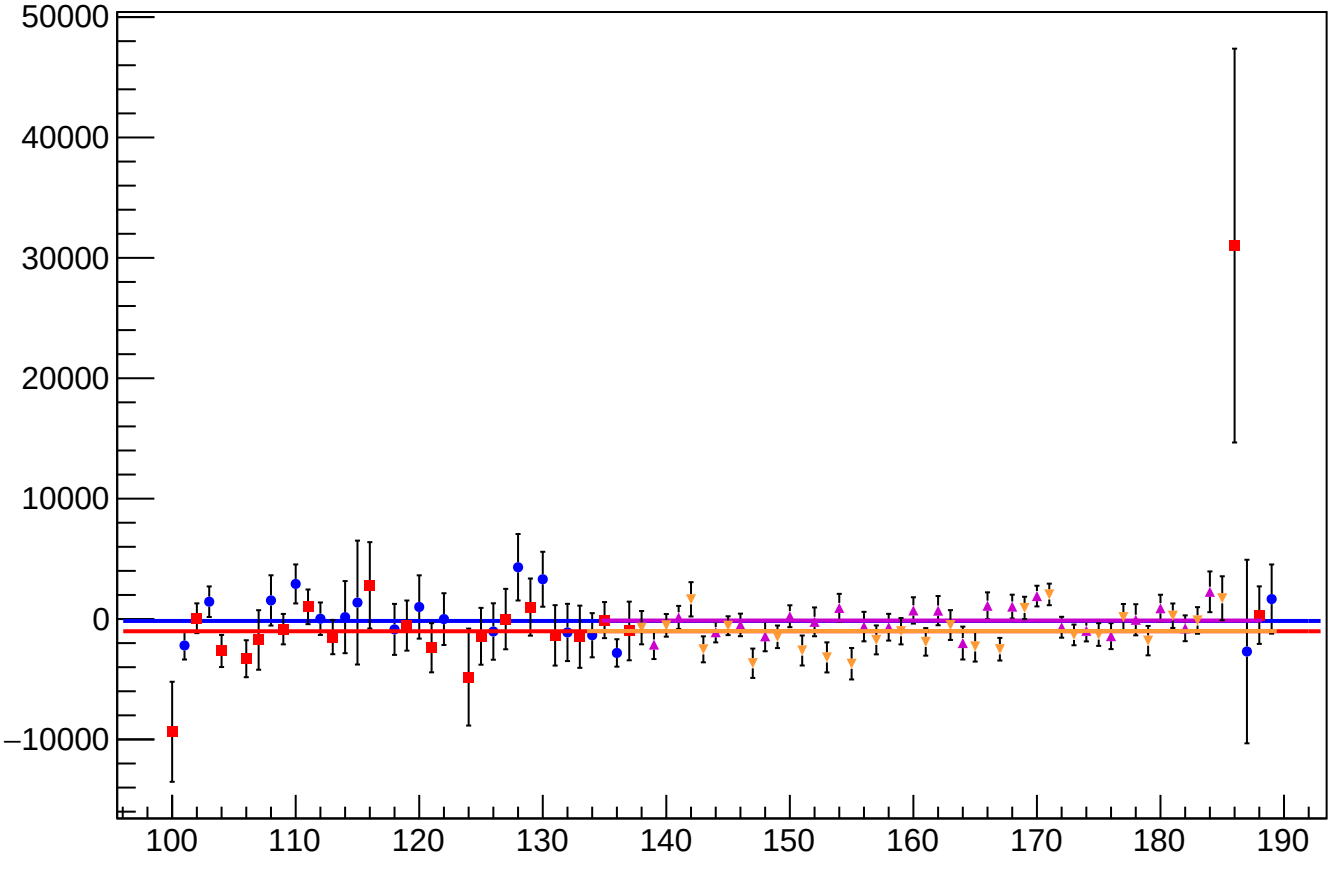
Left In: 137.491+/-0.023 χ^2/NDF:1109333.5/22

+ sign 132.648+/-0.018 χ^2/NDF: 2079819.0/42

All: 131.605+/-0.013 χ^2/NDF: 4575403.2/86

- sign 130.576+/-0.018 χ^2/NDF: 2489204.7/43

asym_sam_48_dd_dit_correction_mean vs Slug



Right In: -159.731+/-441.267 χ^2/NDF: 20.9/17

Left Out: -993.237+/-215.652 χ^2/NDF:46.9/24

Right Out: -1015.128+/-419.206 χ^2/NDF: 18.7/20

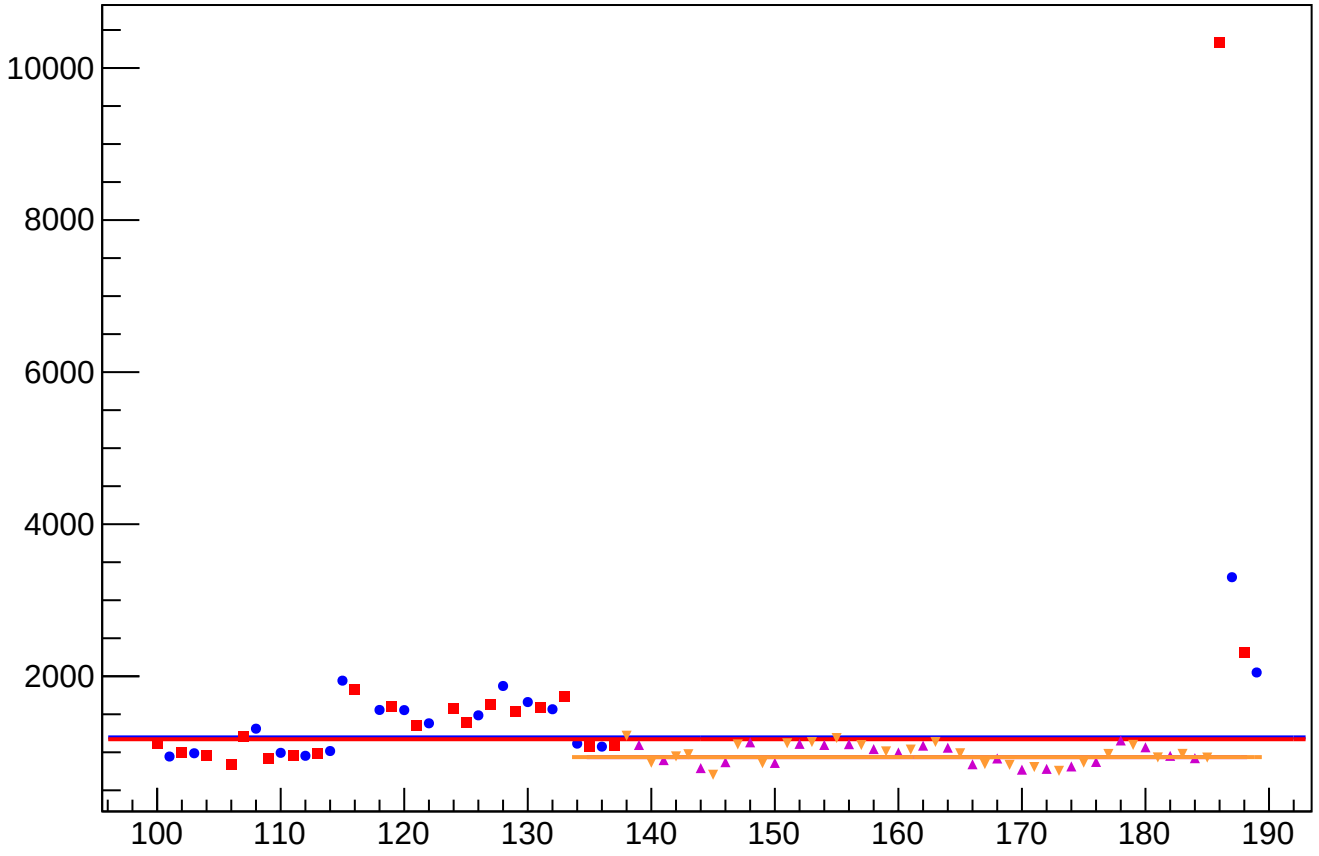
Left In: -124.857+/-221.367 χ^2/NDF:23.9/22

+ sign -832.543+/-193.752 χ^2/NDF: 70.7/42

All: -578.395+/-137.704 χ^2/NDF: 120.3/86

- sign -318.978+/-195.750 χ^2/NDF: 46.1/43

asym_sam_48_dd_dit_correction_rms vs Slug



Right In: 1196.016+/-0.312 χ^2/NDF: 1046557.8/17

Left Out: 936.743+/-0.152 χ^2/NDF:832449.3/24

Right Out: 1171.763+/-0.296 χ^2/NDF: 1910501.5/20

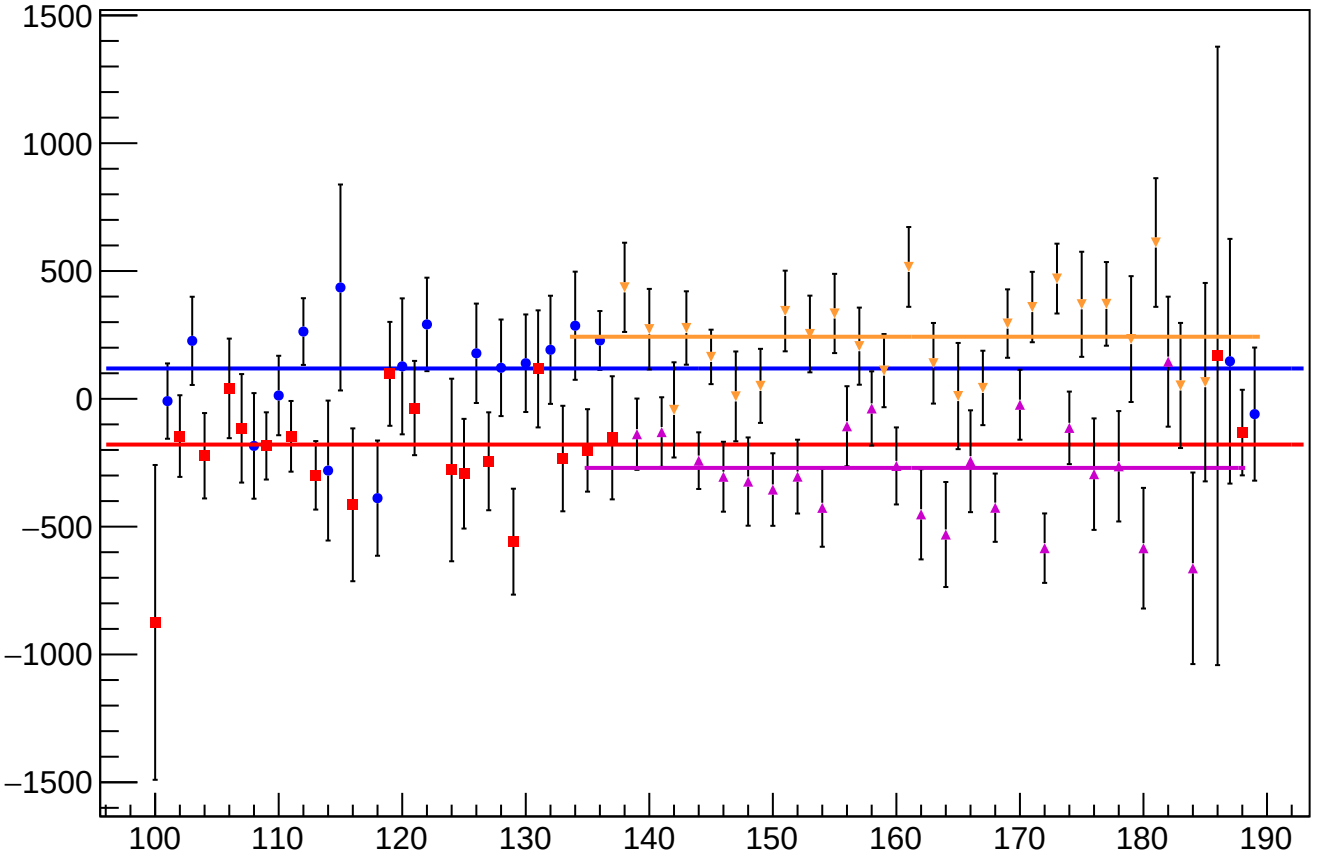
Left In: 936.380+/-0.157 χ^2/NDF:642749.3/22

+ sign 986.729+/-0.137 χ^2/NDF: 2436352.5/42

All: 987.212+/-0.097 χ^2/NDF: 5482692.3/86

- sign 987.705+/-0.138 χ^2/NDF: 3046314.7/43

eigen_dit_asym_sam_48_dd_mean vs Slug



Right In: 118.760+/-44.378 χ^2/NDF: 15.9/17

Left Out: 242.892+/-32.138 χ^2/NDF:23.7/24

Right Out: -178.897+/-41.826 χ^2/NDF: 12.5/20

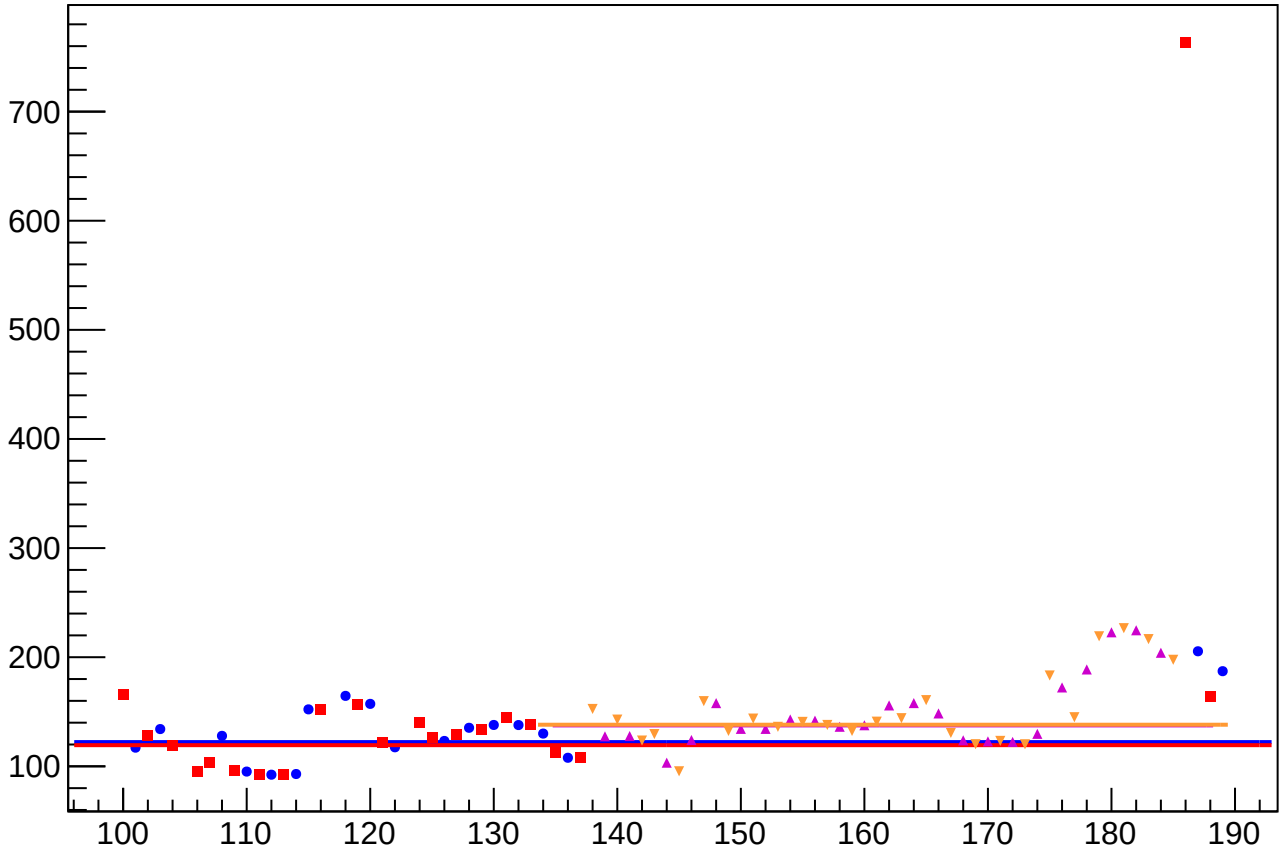
Left In: -270.244+/-32.893 χ^2/NDF:26.7/22

+ sign 200.187+/-26.030 χ^2/NDF: 44.7/42

All: -19.037+/-18.344 χ^2/NDF: 227.7/86

- sign -235.338+/-25.856 χ^2/NDF: 42.1/43

eigen_dit_asym_sam_48_dd_rms vs Slug



Right In: 122.200+/-0.031 χ^2/NDF: 572526.2/17

Left Out: 138.127+/-0.023 χ^2/NDF:1338311.7/24

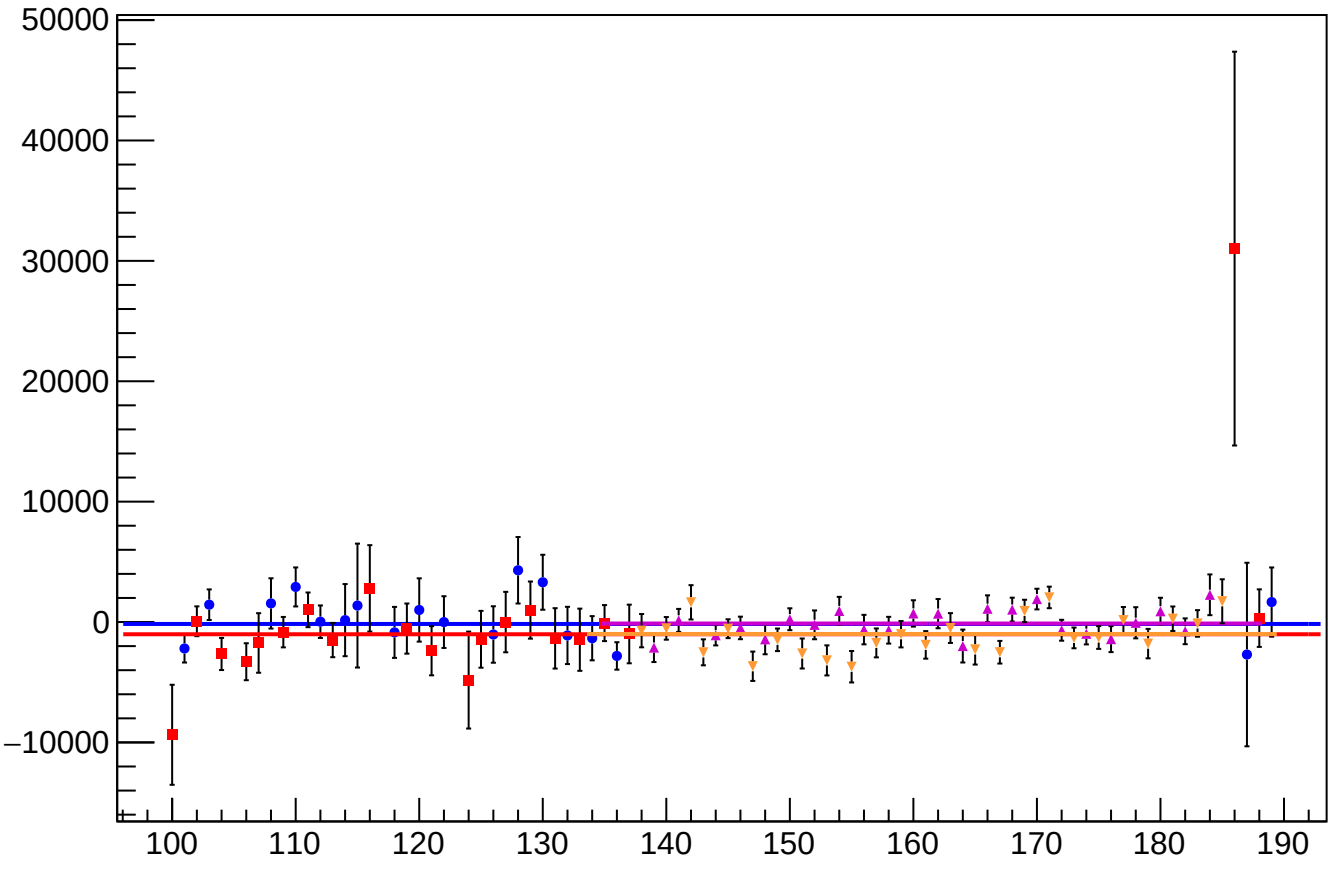
Right Out: 119.394+/-0.030 χ^2/NDF: 1148543.1/20

Left In: 137.491+/-0.023 χ^2/NDF:1109319.8/22

+ sign 132.648+/-0.018 χ^2/NDF: 2079821.0/42

All: 131.605+/-0.013 χ^2/NDF: 4575397.8/86

- sign 130.576+/-0.018 χ^2/NDF: 2489197.2/43



Right In: -159.730+/-441.267 χ^2/NDF: 20.9/17

Left Out: -993.235+/-215.652 χ^2/NDF:46.9/24

Right Out: -1015.128+/-419.206 χ^2/NDF: 18.7/20

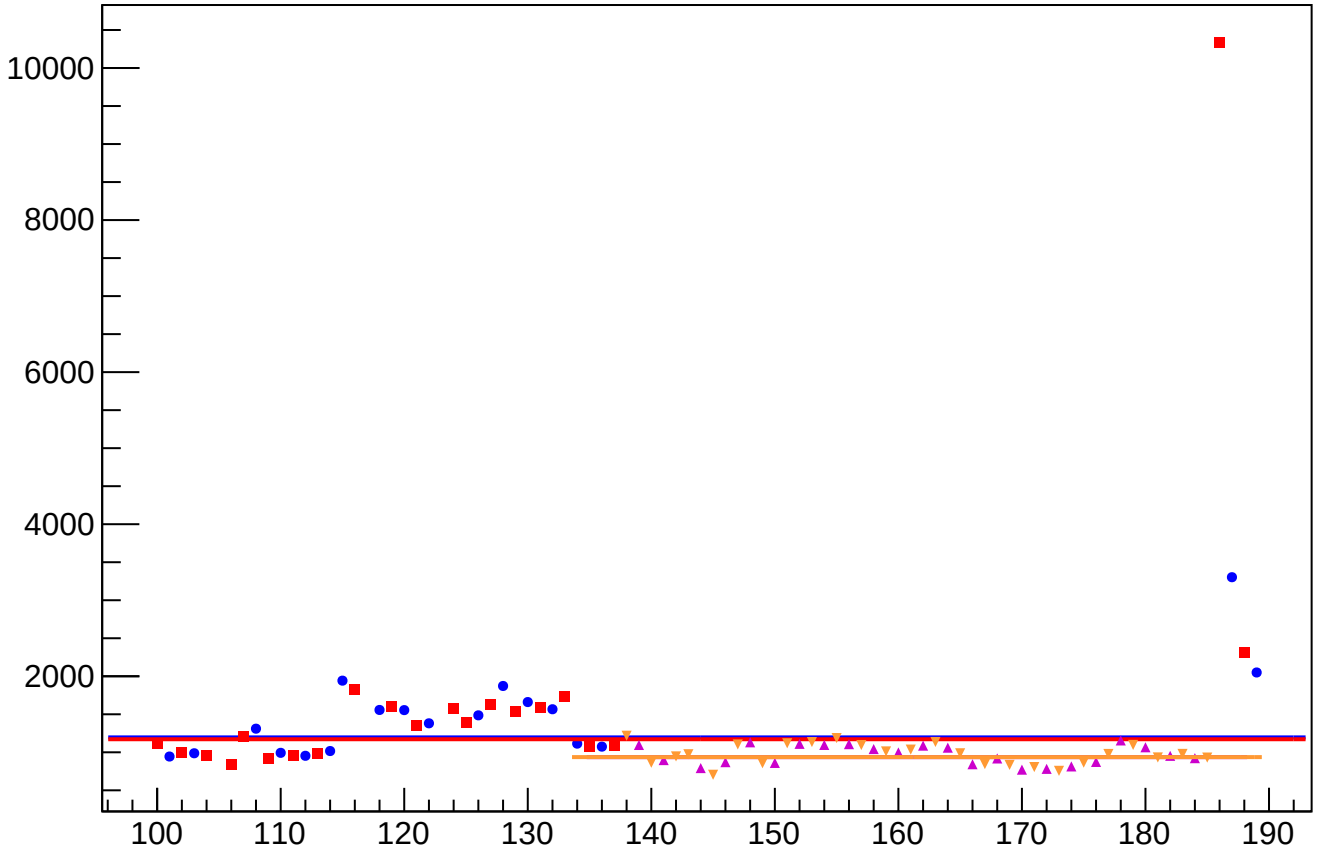
Left In: -124.856+/-221.366 χ^2/NDF:23.9/22

+ sign -832.542+/-193.752 χ^2/NDF: 70.7/42

All: -578.394+/-137.704 χ^2/NDF: 120.3/86

- sign -318.977+/-195.750 χ^2/NDF: 46.1/43

asym_sam_48_dd_eigen_dit_correction_rms vs Slug



Right In: 1196.015+/-0.312 χ^2/NDF: 1046558.6/17

Left Out: 936.742+/-0.152 χ^2/NDF:832452.0/24

Right Out: 1171.763+/-0.296 χ^2/NDF: 1910500.4/20

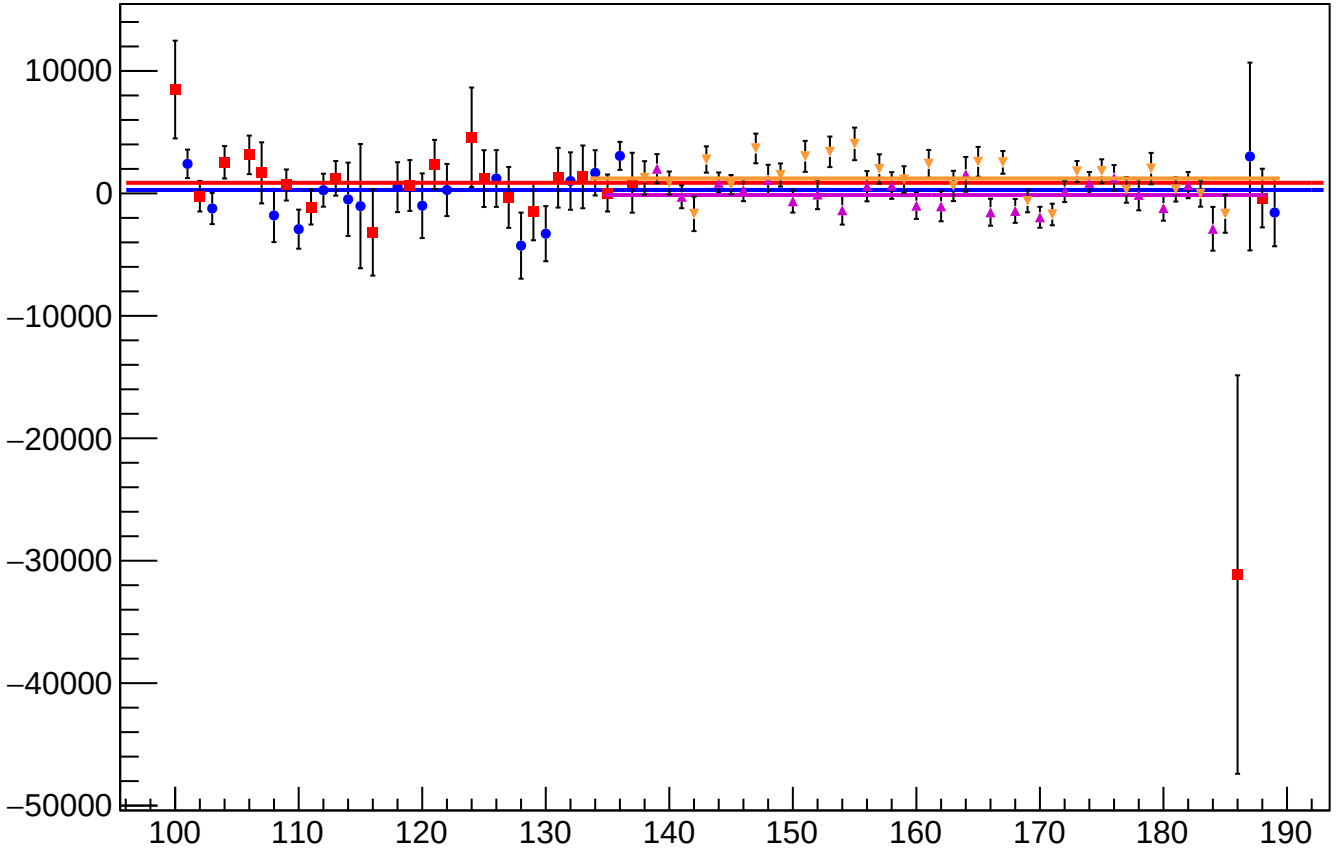
Left In: 936.379+/-0.157 χ^2/NDF:642748.0/22

+ sign 986.728+/-0.137 χ^2/NDF: 2436360.6/42

All: 987.211+/-0.097 χ^2/NDF: 5482701.1/86

- sign 987.704+/-0.138 χ^2/NDF: 3046315.4/43

asym_sam_48_dd_mean vs Slug



Right In: 278.166+/-439.861 χ^2/NDF: 22.8/17

Left Out: 1225.521+/-213.843 χ^2/NDF:48.5/24

Right Out: 864.917+/-418.712 χ^2/NDF: 18.7/20

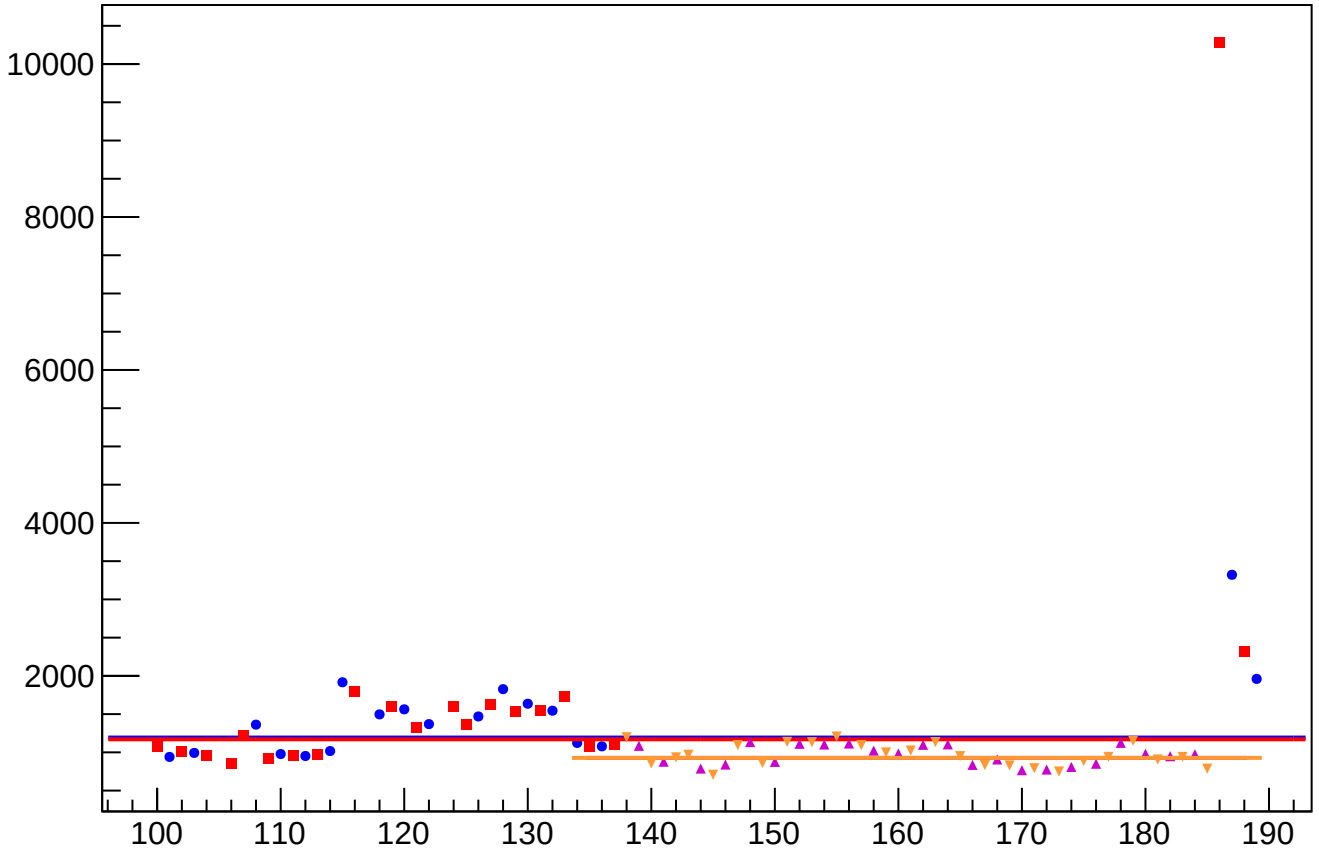
Left In: -132.834+/-219.278 χ^2/NDF:25.8/22

+ sign 1044.416+/-192.320 χ^2/NDF: 75.0/42

All: 567.976+/-136.669 χ^2/NDF: 136.4/86

- sign 81.912+/-194.252 χ^2/NDF: 49.0/43

asym_sam_48_dd_rms vs Slug



Right In: 1193.430+/-0.311 χ^2/NDF: 993839.4/17

Left Out: 927.610+/-0.151 χ^2/NDF:875127.3/24

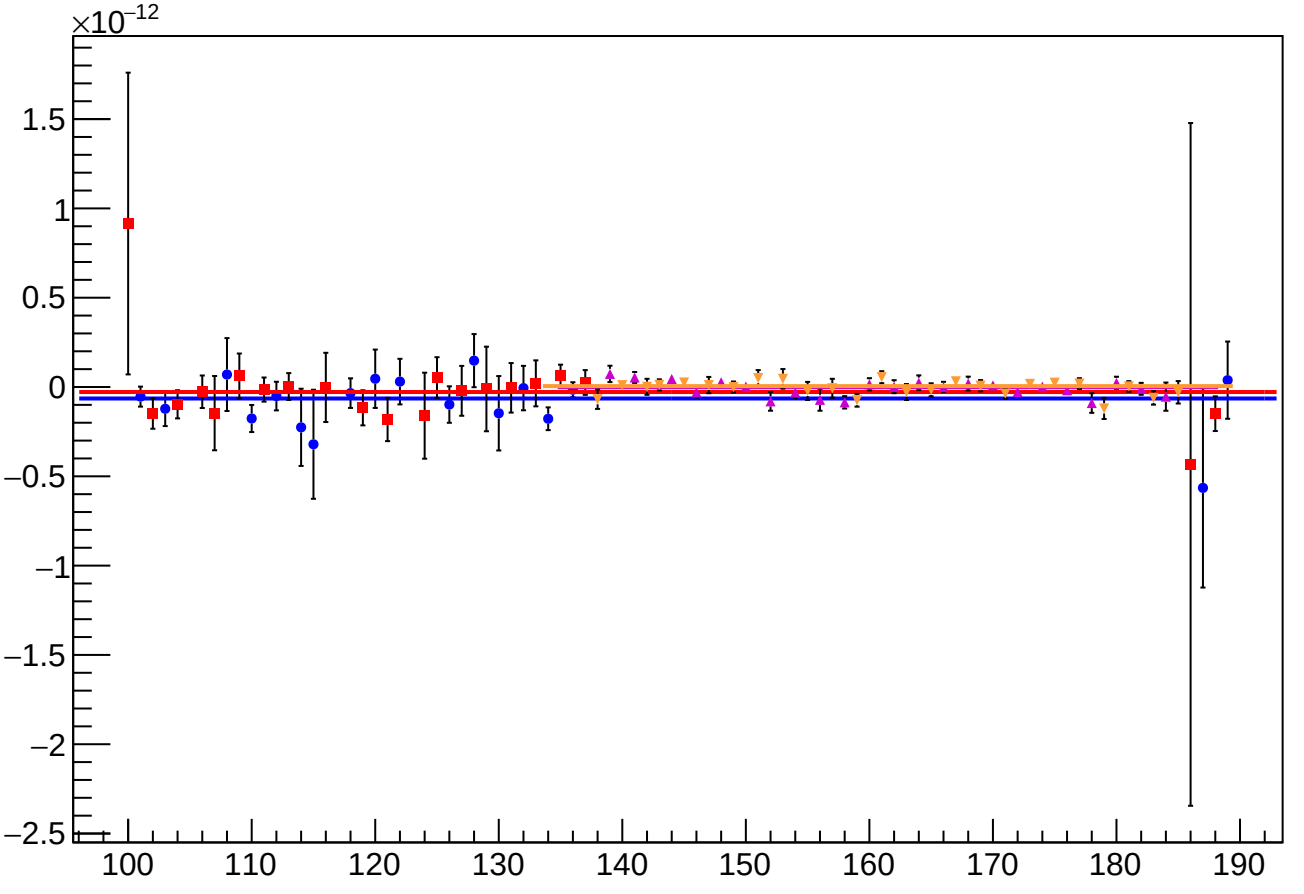
Right Out: 1170.367+/-0.296 χ^2/NDF: 1880069.0/20

Left In: 927.321+/-0.155 χ^2/NDF:656539.8/22

+ sign 978.426+/-0.136 χ^2/NDF: 2459759.3/42

All: 979.023+/-0.097 χ^2/NDF: 5525242.9/86

- sign 979.632+/-0.137 χ^2/NDF: 3065444.7/43



Right In: -0.000+/-0.000 χ^2/NDF: 13.5/17

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

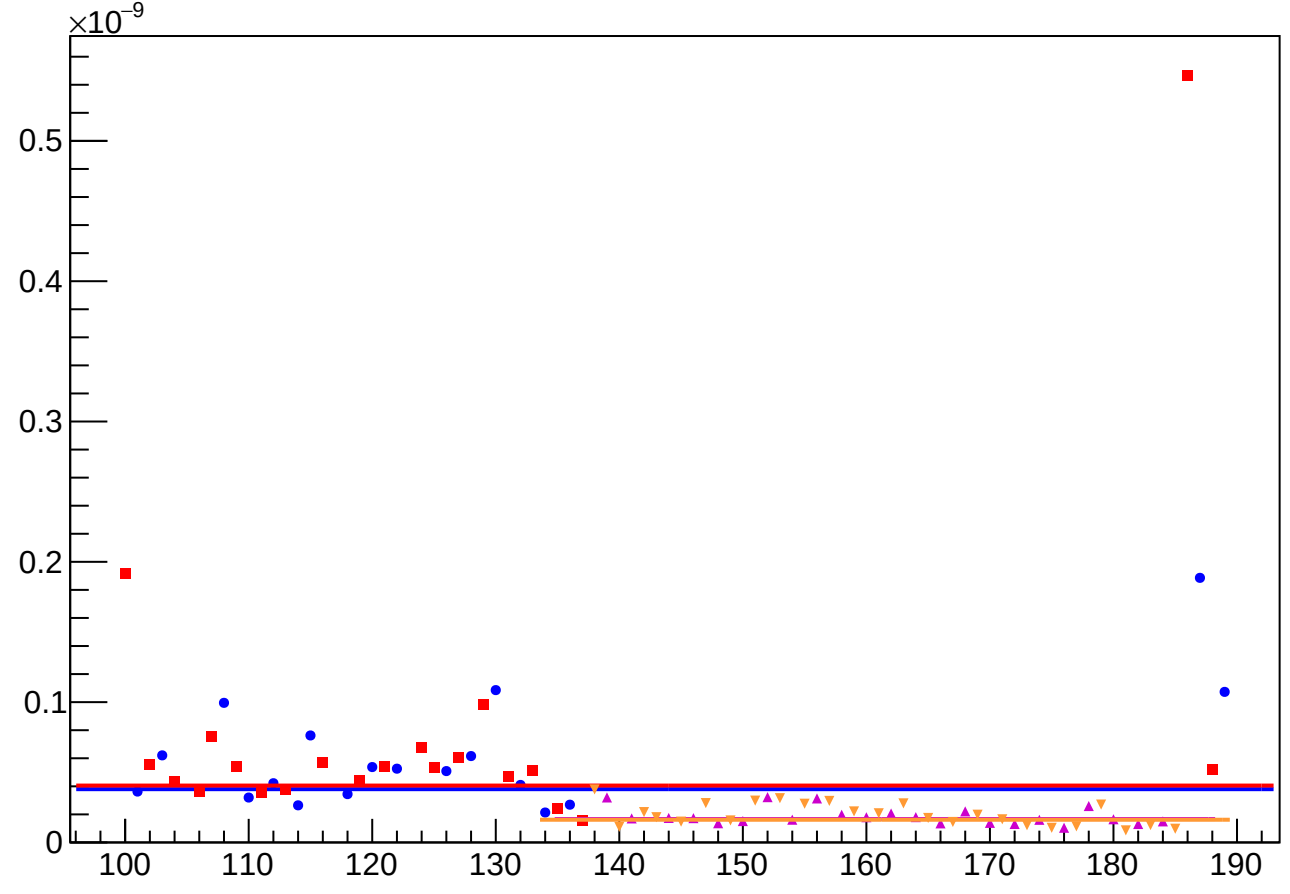
Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/20

Left In: -0.000+/-0.000 χ^2/NDF:27.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.3/42

All: -0.000+/-0.000 χ^2/NDF: 90.6/86

- sign -0.000+/-0.000 χ^2/NDF: 42.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 1350444.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:2009728.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1074872.8/20

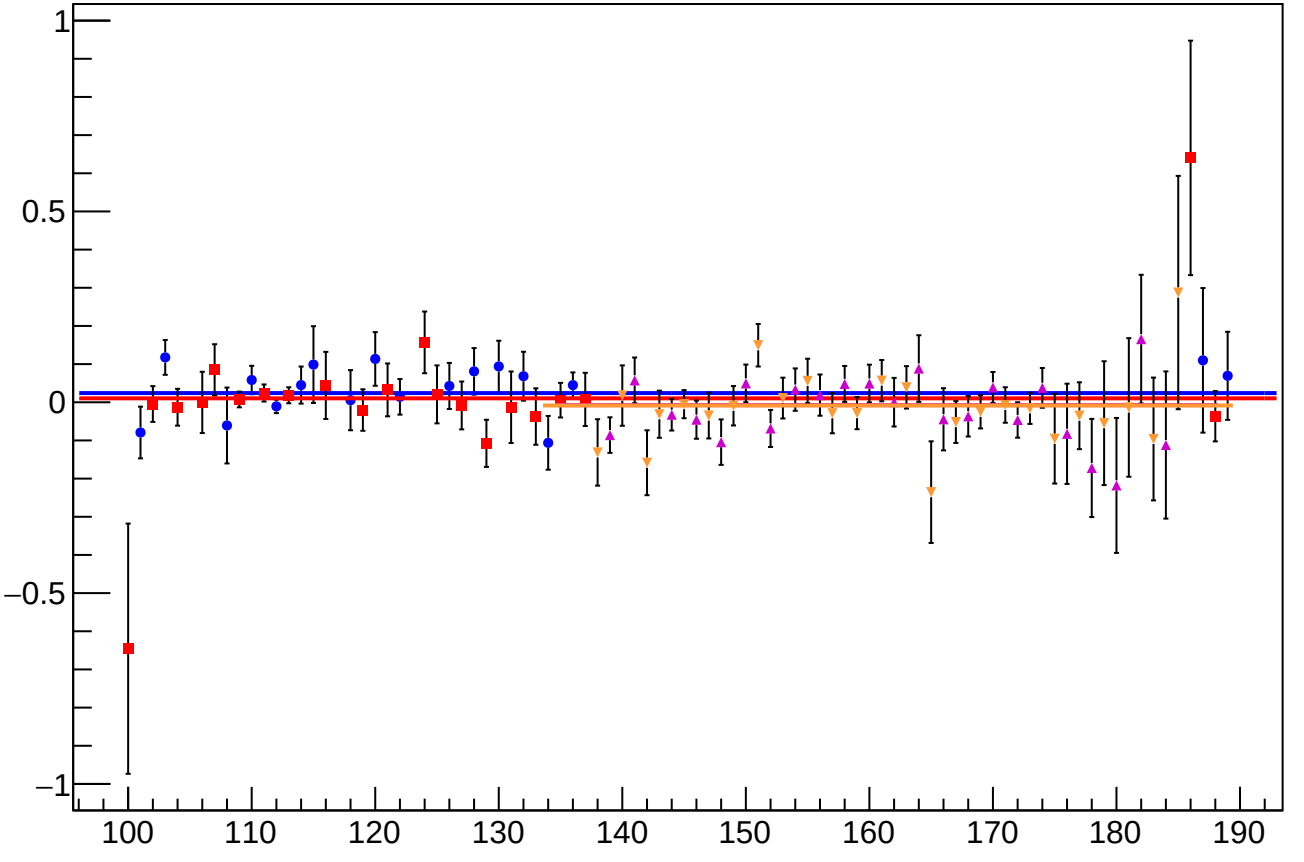
Left In: 0.000+/-0.000 χ^2/NDF:928356.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 5212372.8/42

All: 0.000+/-0.000 χ^2/NDF: 9294753.6/86

- sign 0.000+/-0.000 χ^2/NDF: 4068922.9/43

asym_sam_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.024+/-0.011 χ^2/NDF: 21.1/17

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: 0.010+/-0.010 χ^2/NDF: 19.0/20

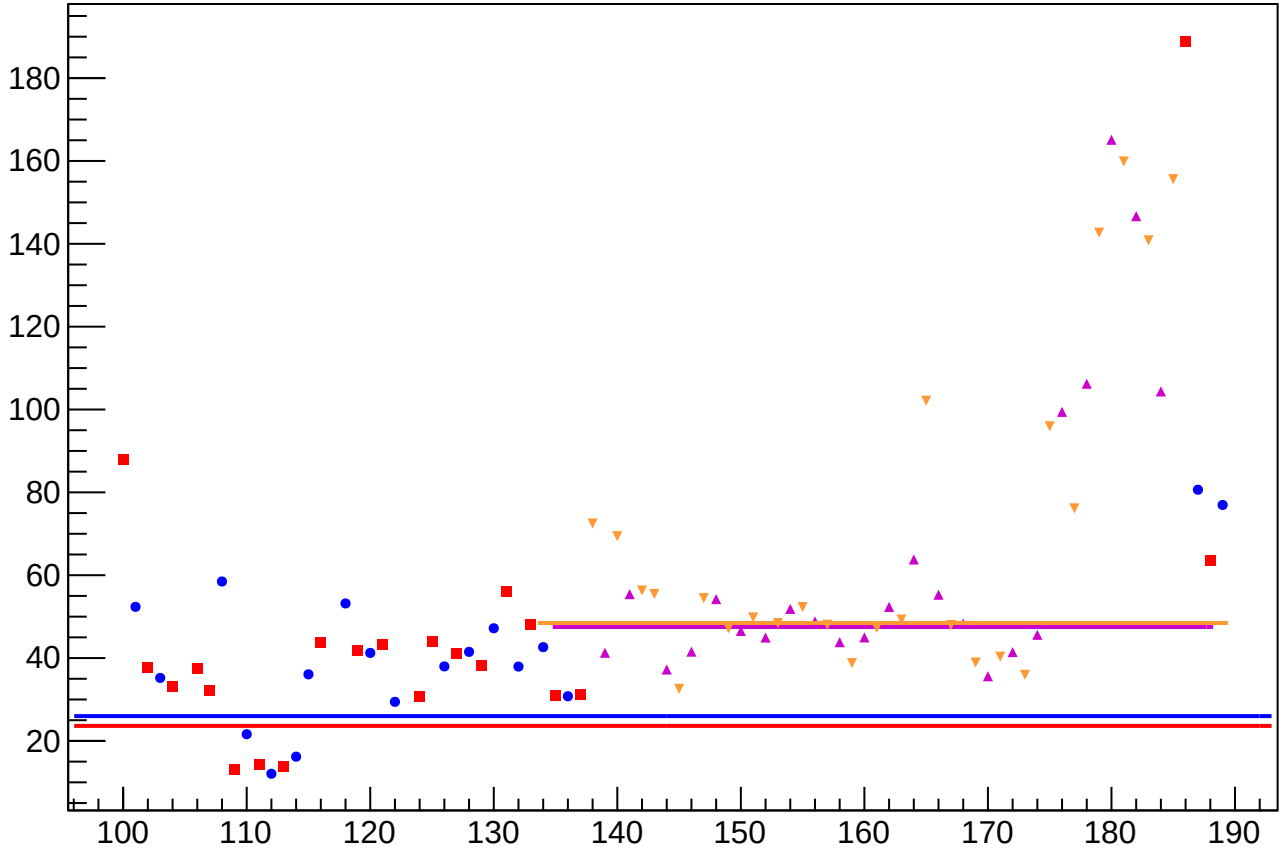
Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.009+/-0.008 χ^2/NDF: 48.2/42

All: 0.006+/-0.006 χ^2/NDF: 92.1/86

- sign 0.003+/-0.008 χ^2/NDF: 43.5/43

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 25.990+/-0.008 χ^2/NDF: 3488878.6/17

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

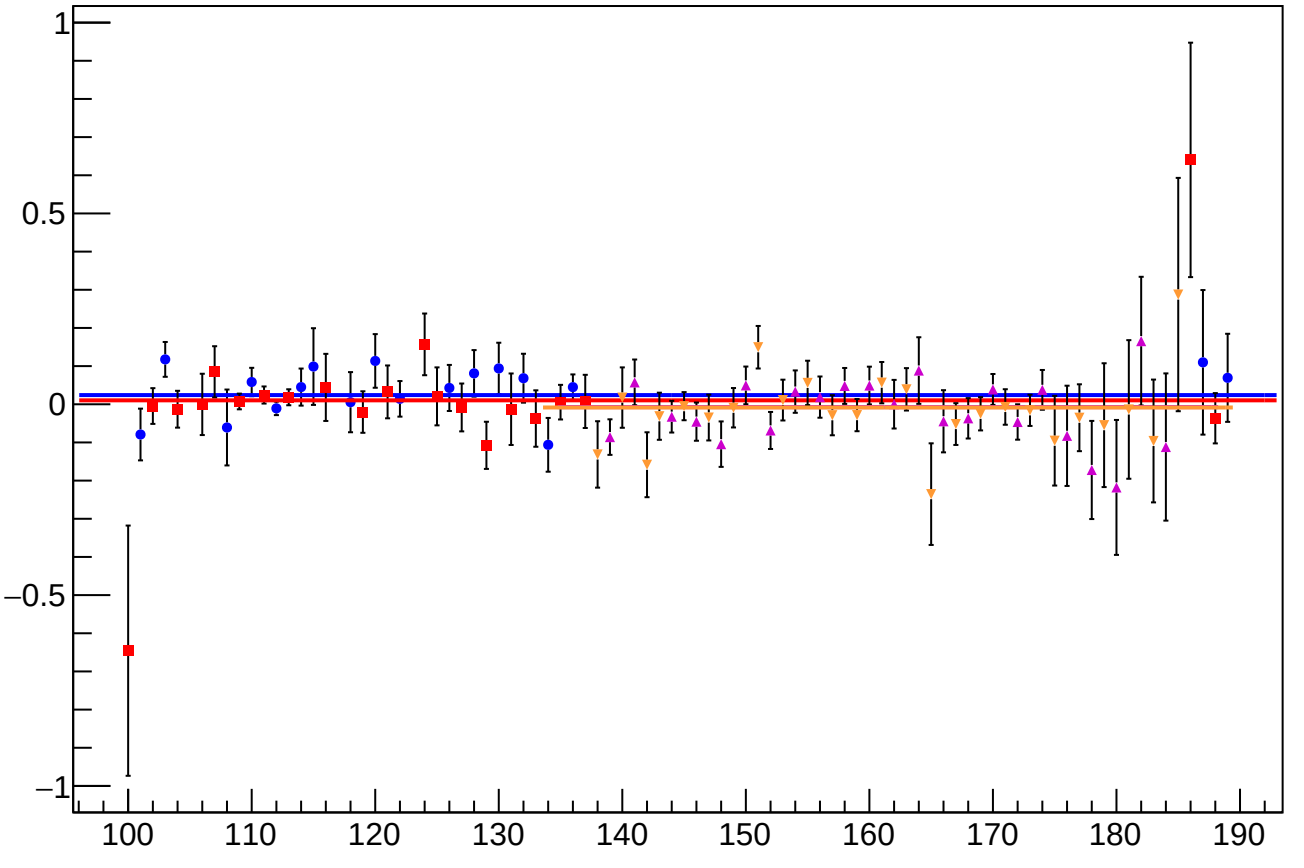
Right Out: 23.625+/-0.007 χ^2/NDF: 4478150.6/20

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 36.248+/-0.006 χ^2/NDF: 11674872.1/42

All: 34.518+/-0.004 χ^2/NDF: 24176572.7/86

- sign 33.020+/-0.005 χ^2/NDF: 12331993.6/43



Right In: 0.024+/-0.011 χ^2/NDF: 21.1/17

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: 0.010+/-0.010 χ^2/NDF: 19.0/20

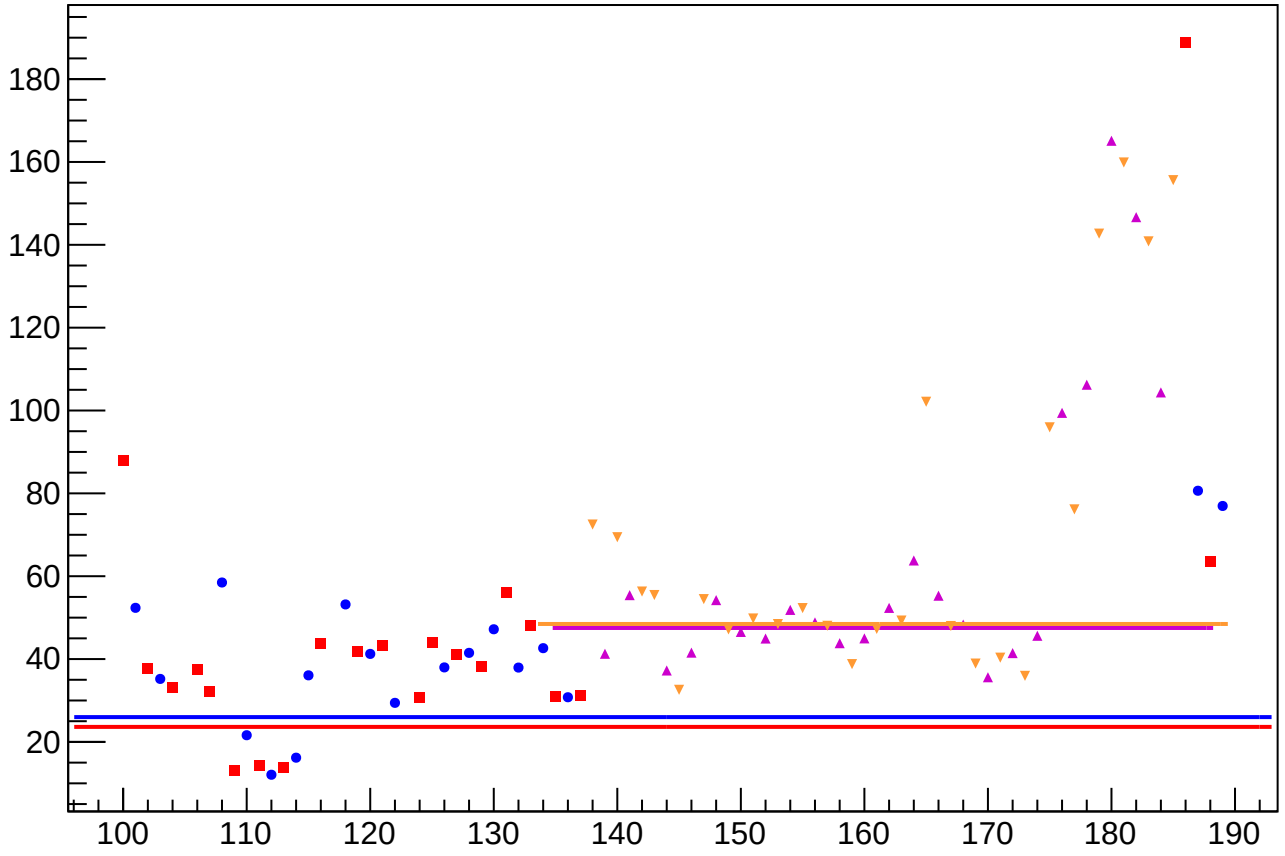
Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.009+/-0.008 χ^2/NDF: 48.2/42

All: 0.006+/-0.006 χ^2/NDF: 92.1/86

- sign 0.003+/-0.008 χ^2/NDF: 43.5/43

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.990+/-0.008 χ^2/NDF: 3488878.6/17

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

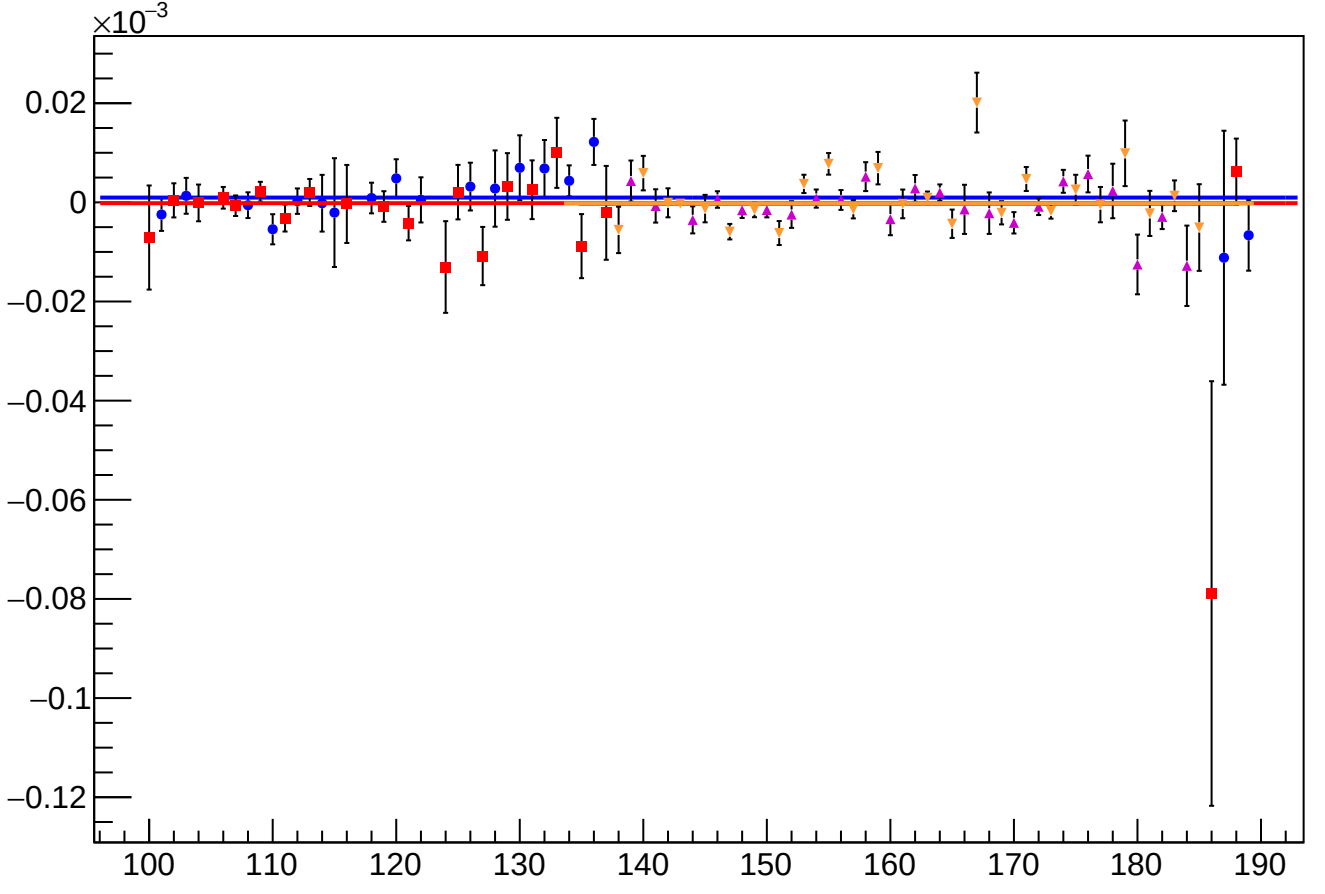
Right Out: 23.625+/-0.007 χ^2/NDF: 4478150.6/20

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 36.248+/-0.006 χ^2/NDF: 11674872.1/42

All: 34.518+/-0.004 χ^2/NDF: 24176572.7/86

- sign 33.020+/-0.005 χ^2/NDF: 12331993.6/43



Right In: 0.000+/-0.000 χ^2/NDF: 17.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:71.7/24

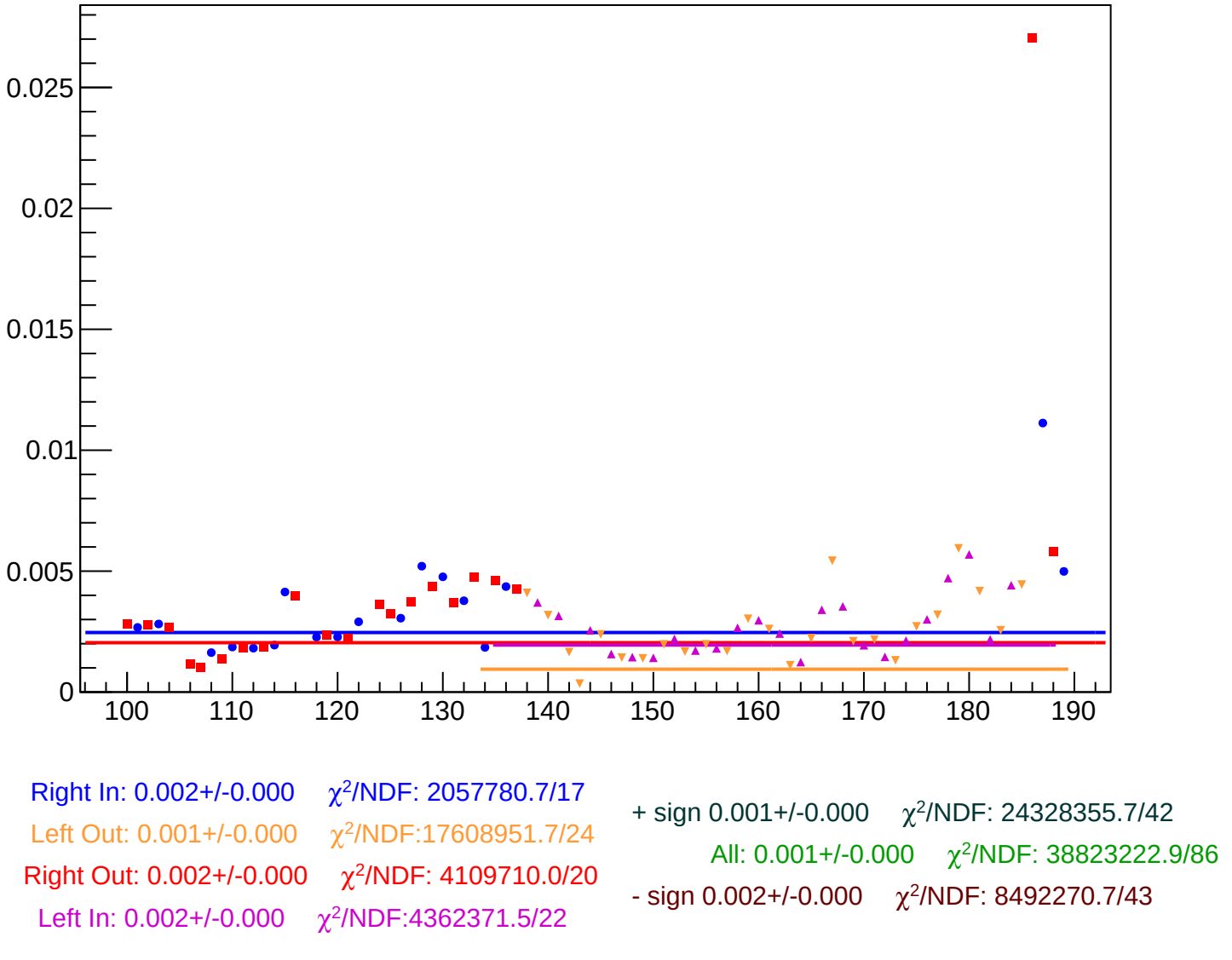
Right Out: -0.000+/-0.000 χ^2/NDF: 19.4/20

Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

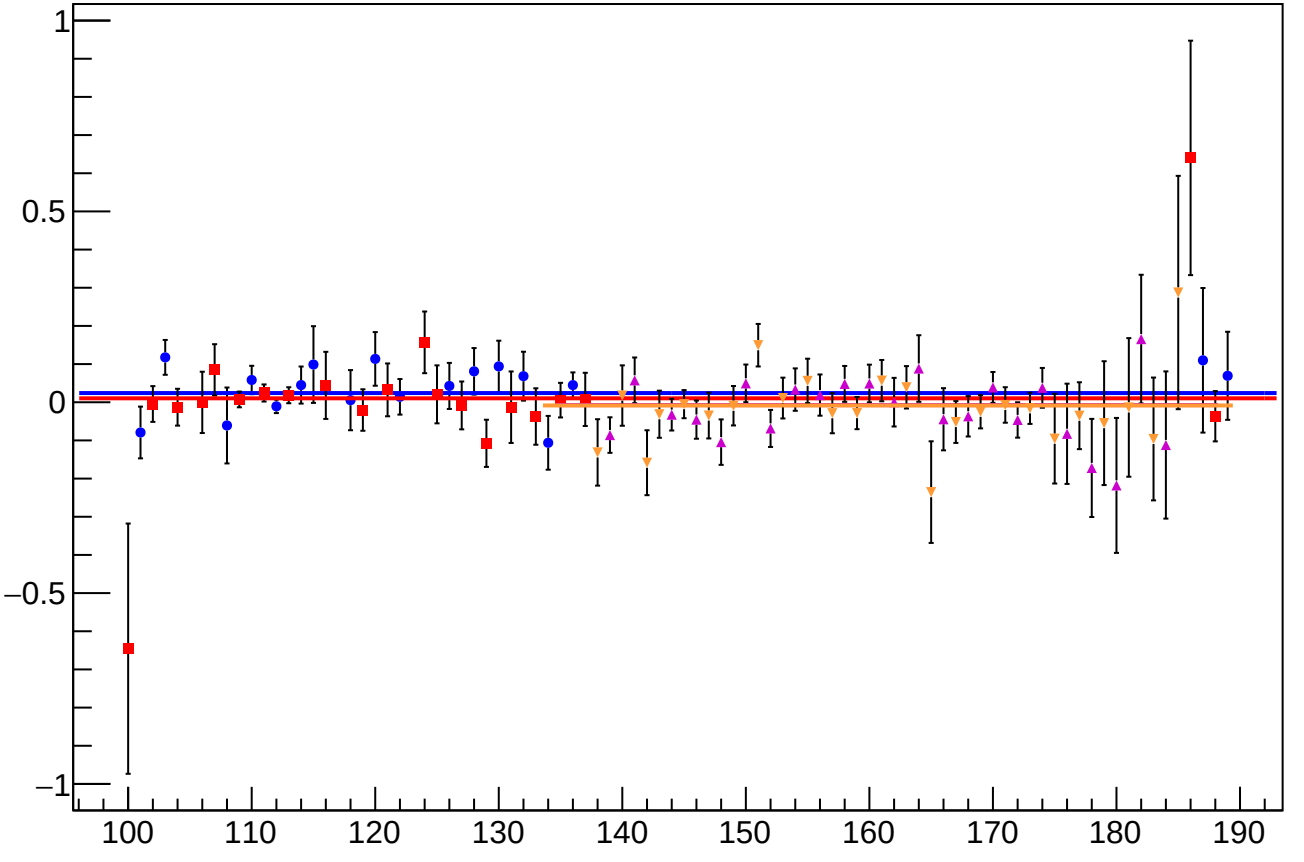
+ sign -0.000+/-0.000 χ^2/NDF: 90.6/42

All: -0.000+/-0.000 χ^2/NDF: 141.1/86

- sign -0.000+/-0.000 χ^2/NDF: 50.4/43


asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.002+/-0.000 χ²/NDF: 2057780.7/17
Left Out: 0.001+/-0.000 χ²/NDF:17608951.7/24
Right Out: 0.002+/-0.000 χ²/NDF: 4109710.0/20
Left In: 0.002+/-0.000 χ²/NDF:4362371.5/22
+ sign 0.001+/-0.000 χ²/NDF: 24328355.7/42
All: 0.001+/-0.000 χ²/NDF: 38823222.9/86
- sign 0.002+/-0.000 χ²/NDF: 8492270.7/43

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.024+/-0.011 χ^2/NDF: 21.1/17

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: 0.010+/-0.010 χ^2/NDF: 19.0/20

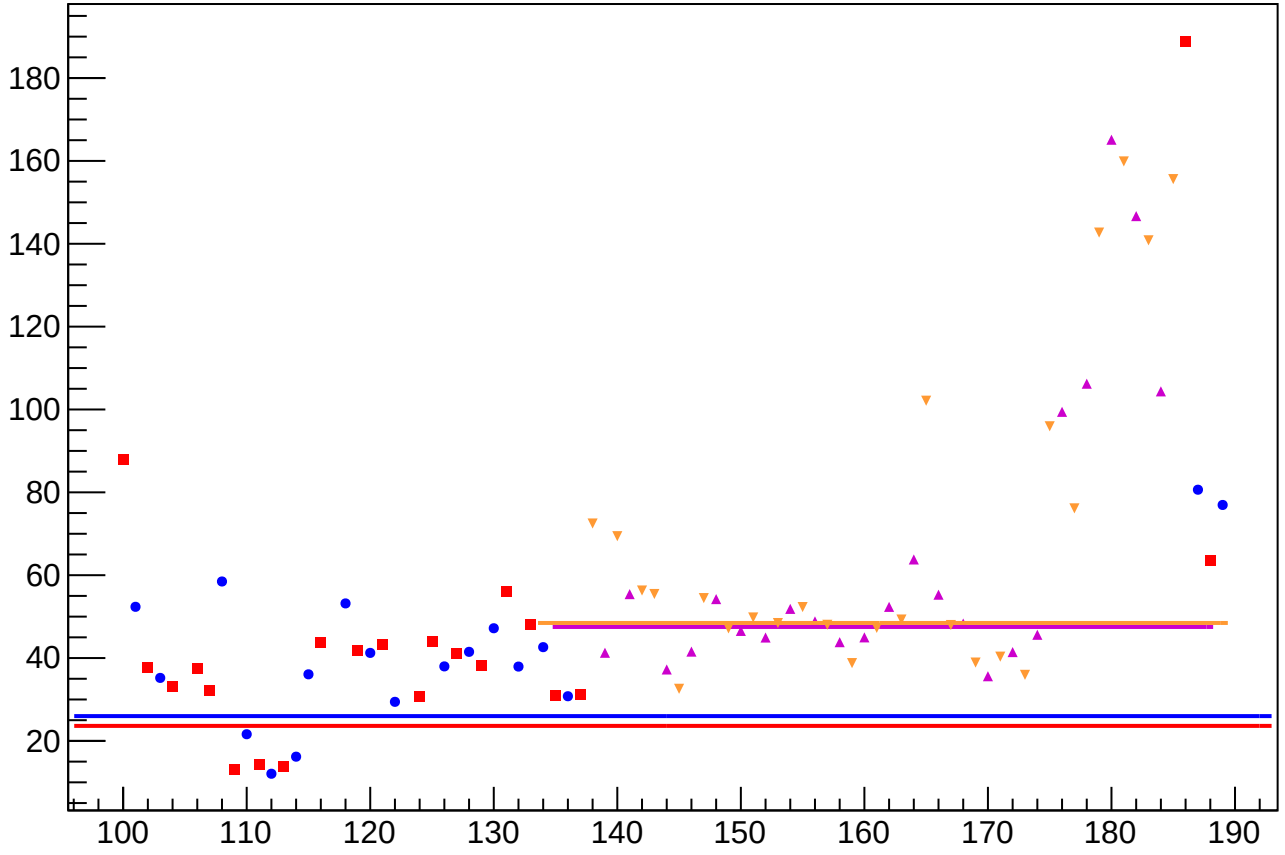
Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.009+/-0.008 χ^2/NDF: 48.2/42

All: 0.006+/-0.006 χ^2/NDF: 92.1/86

- sign 0.003+/-0.008 χ^2/NDF: 43.5/43

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 25.988+/-0.008 χ^2/NDF: 3489306.9/17

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

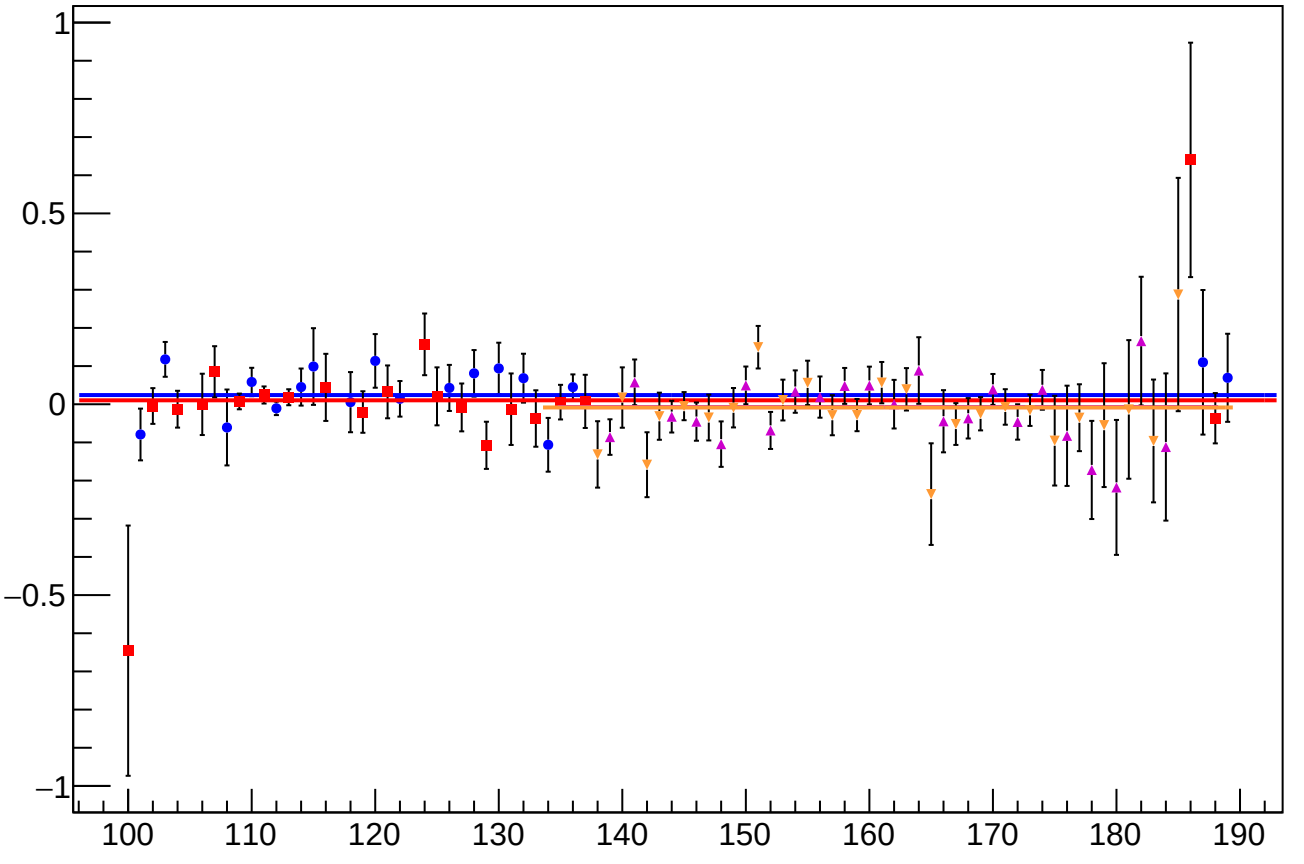
Right Out: 23.624+/-0.007 χ^2/NDF: 4478309.8/20

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 36.247+/-0.006 χ^2/NDF: 11675894.0/42

All: 34.517+/-0.004 χ^2/NDF: 24177865.5/86

- sign 33.020+/-0.005 χ^2/NDF: 12332342.0/43



Right In: 0.024+/-0.011 χ^2/NDF: 21.1/17

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

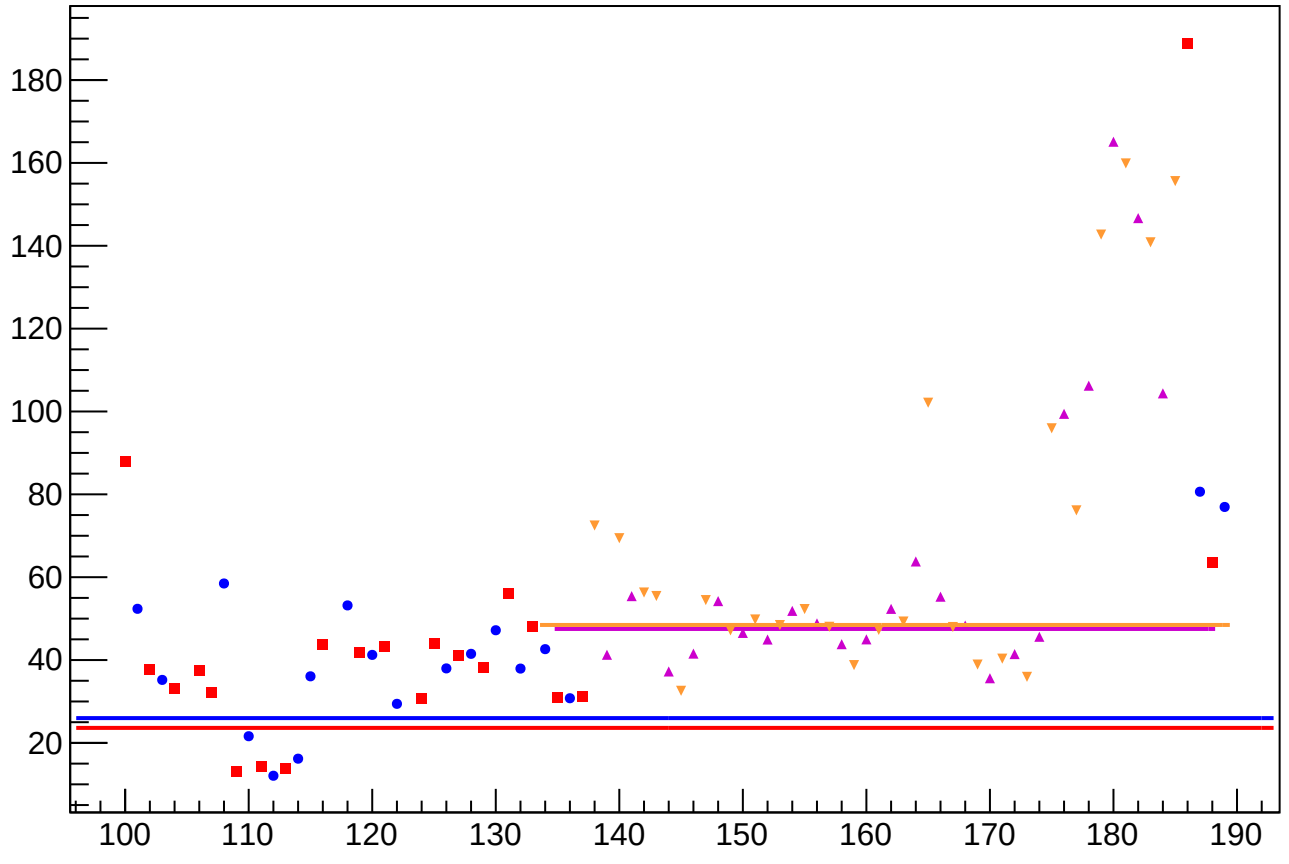
Right Out: 0.010+/-0.010 χ^2/NDF: 19.0/20

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.009+/-0.008 χ^2/NDF: 48.2/42

All: 0.006+/-0.006 χ^2/NDF: 92.1/86

- sign 0.003+/-0.008 χ^2/NDF: 43.5/43



Right In: 25.988+/-0.008 χ^2/NDF: 3489306.9/17

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

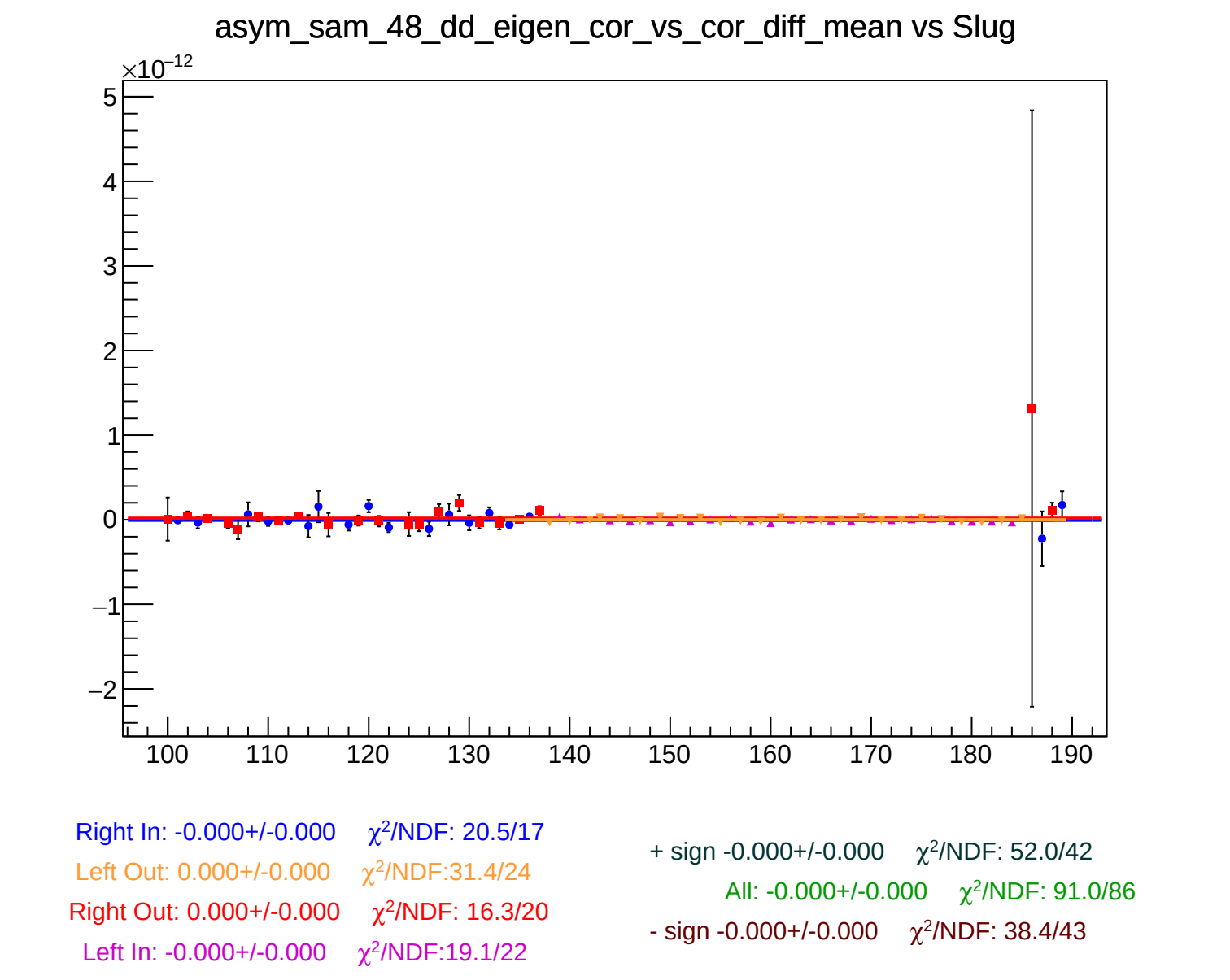
Right Out: 23.624+/-0.007 χ^2/NDF: 4478309.8/20

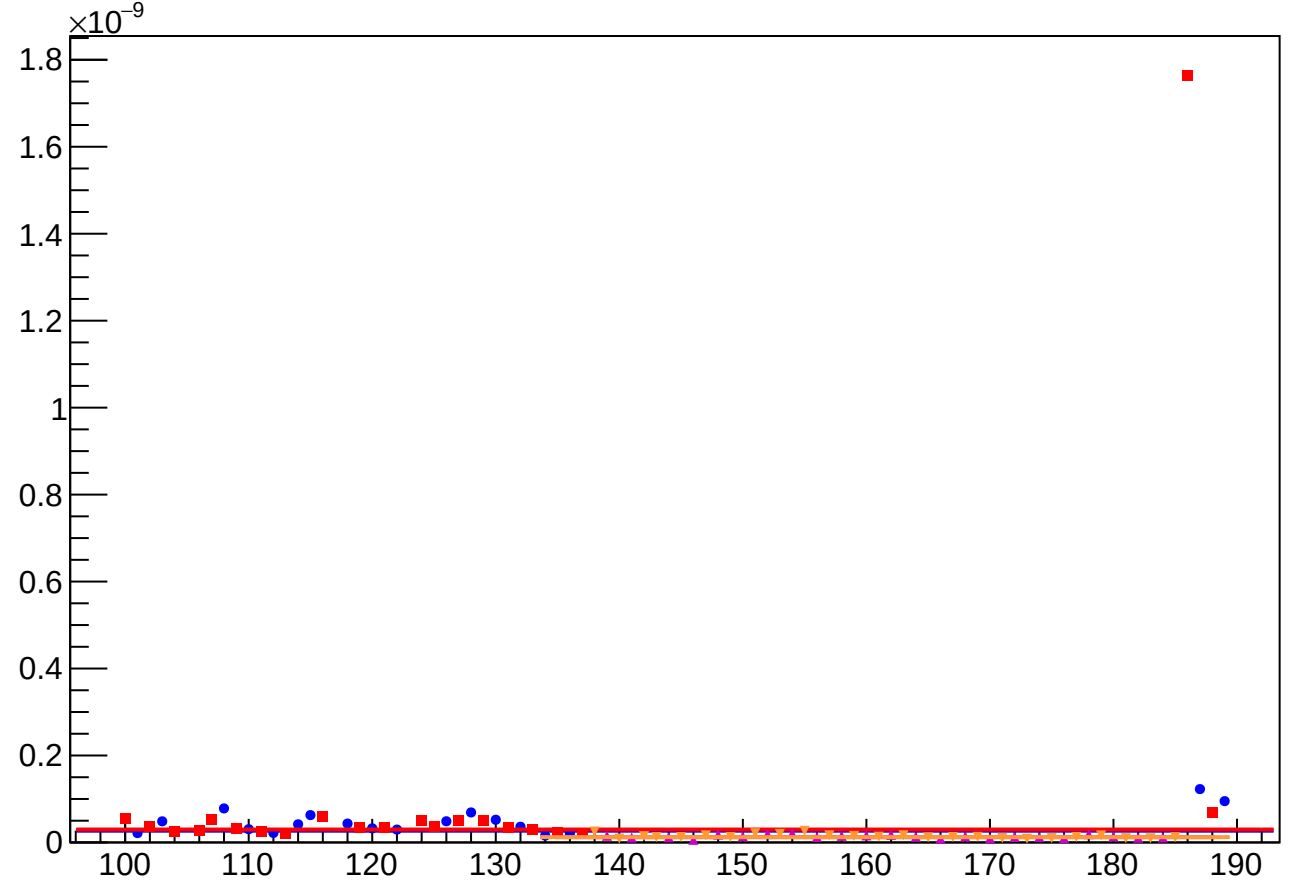
Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 36.247+/-0.006 χ^2/NDF: 11675894.0/42

All: 34.517+/-0.004 χ^2/NDF: 24177865.5/86

- sign 33.020+/-0.005 χ^2/NDF: 12332342.0/43


asym_sam_48_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
5
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 20.5/17
Left Out: 0.000+/-0.000 χ²/NDF:31.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 16.3/20
Left In: -0.000+/-0.000 χ²/NDF:19.1/22
+ sign -0.000+/-0.000 χ²/NDF: 52.0/42
All: -0.000+/-0.000 χ²/NDF: 91.0/86
- sign -0.000+/-0.000 χ²/NDF: 38.4/43



Right In: 0.000+/-0.000 χ^2/NDF: 2226303.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:1915201.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1785073.0/20

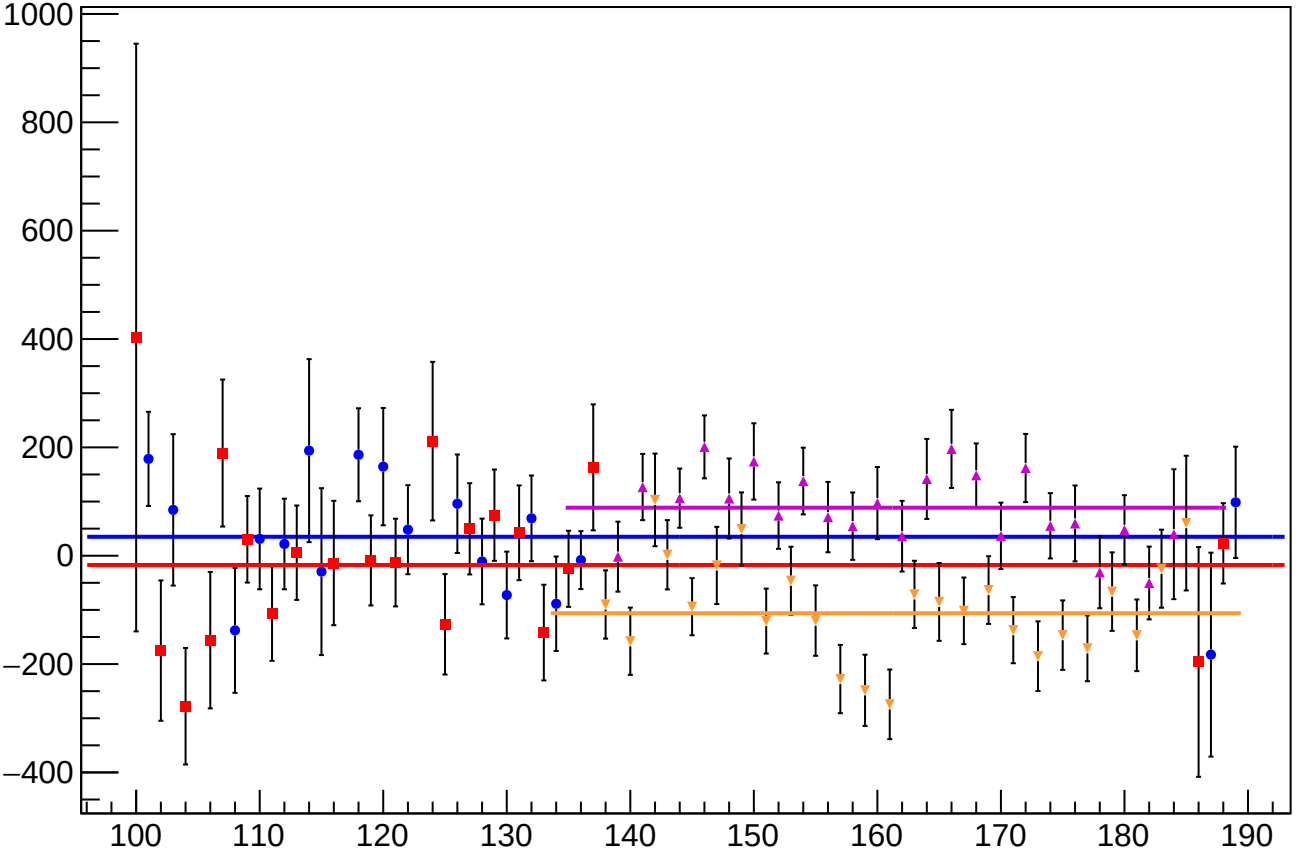
Left In: 0.000+/-0.000 χ^2/NDF:1925839.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 6693920.6/42

All: 0.000+/-0.000 χ^2/NDF: 13696701.4/86

- sign 0.000+/-0.000 χ^2/NDF: 7001477.0/43

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 34.965+/-21.496 χ^2/NDF: 17.9/17

Left Out: -106.100+/-13.089 χ^2/NDF:40.7/24

Right Out: -17.081+/-21.107 χ^2/NDF: 24.5/20

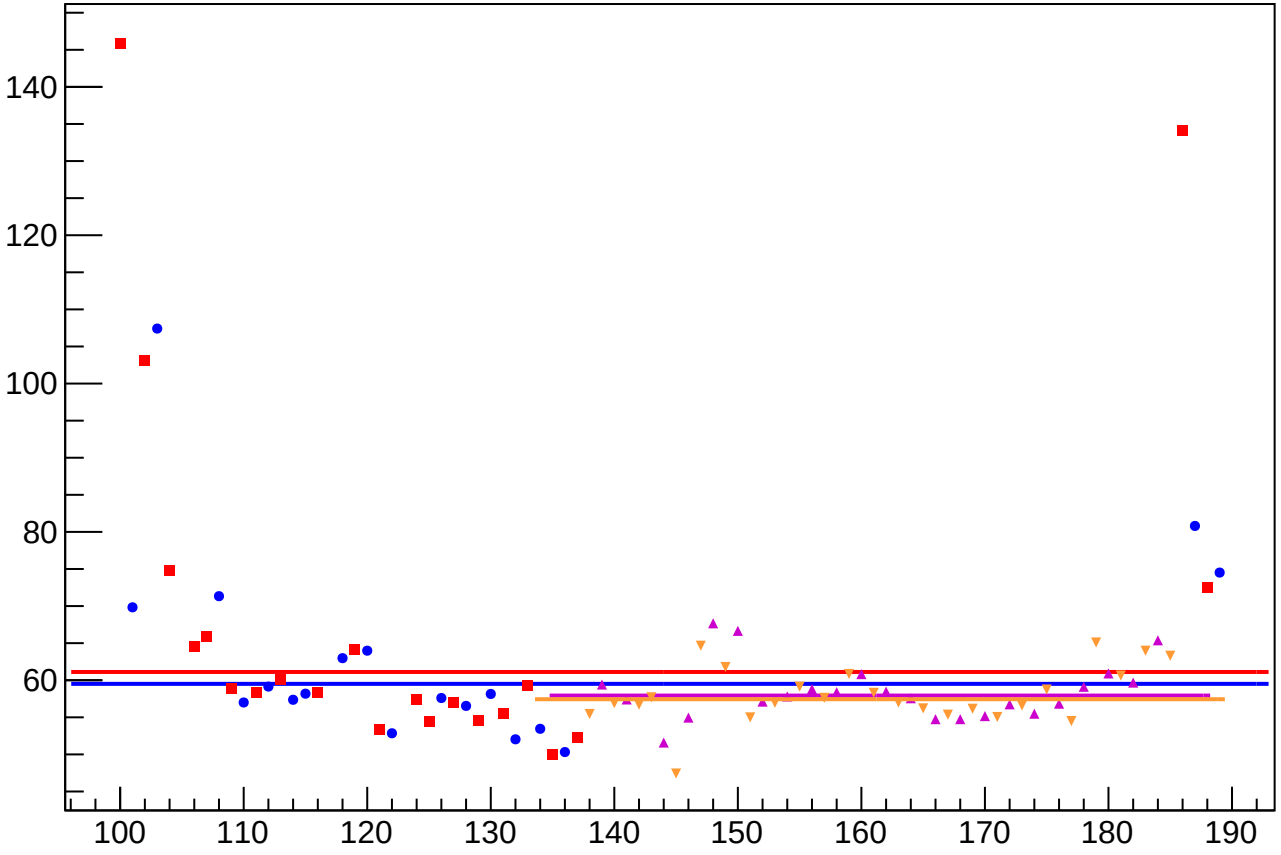
Left In: 88.619+/-13.566 χ^2/NDF:23.9/22

+ sign -67.945+/-11.180 χ^2/NDF: 90.0/42

All: -6.406+/-7.986 χ^2/NDF: 218.0/86

- sign 57.718+/-11.412 χ^2/NDF: 66.2/43

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 59.513+/-0.015 χ^2/NDF: 465005.1/17

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

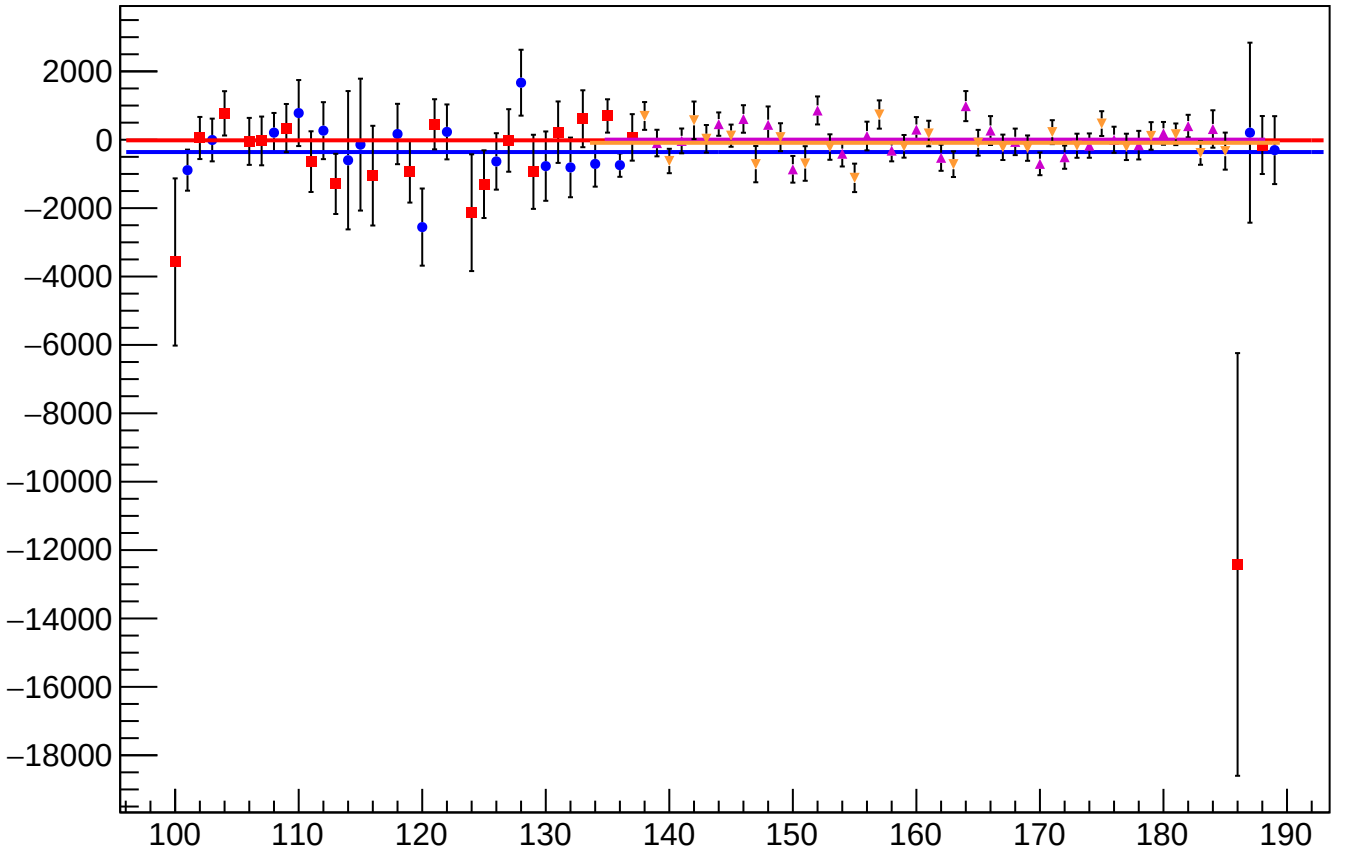
Right Out: 61.115+/-0.015 χ^2/NDF: 704293.2/20

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 58.001+/-0.008 χ^2/NDF: 653122.0/42

All: 58.423+/-0.006 χ^2/NDF: 1531314.3/86

- sign 58.863+/-0.008 χ^2/NDF: 872366.5/43



Right In: -359.550+/-177.284 χ^2/NDF: 15.3/17

Left Out: -89.059+/-77.011 χ^2/NDF:29.9/24

Right Out: -16.709+/-178.887 χ^2/NDF: 19.1/20

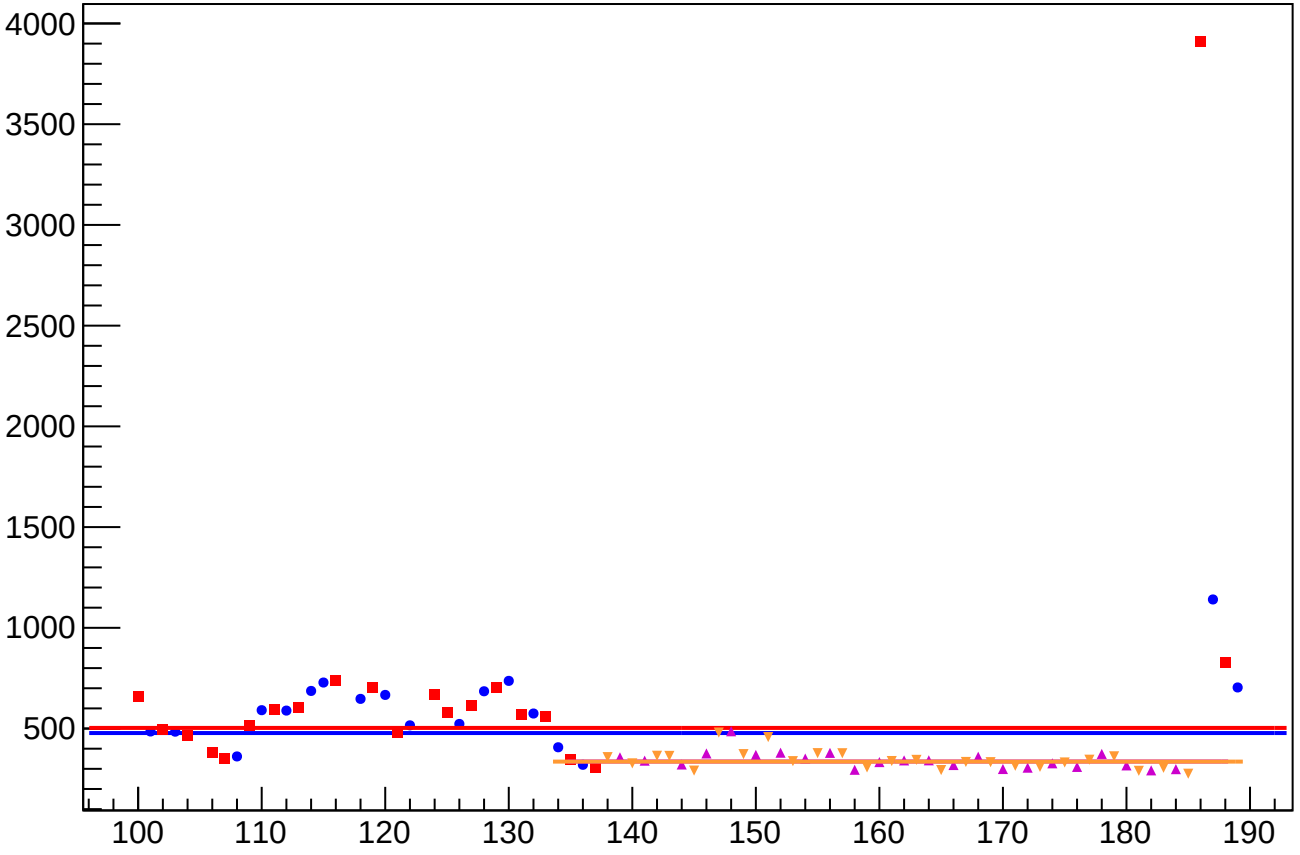
Left In: 3.046+/-79.193 χ^2/NDF:33.6/22

+ sign -131.997+/-70.635 χ^2/NDF: 47.1/42

All: -67.734+/-50.564 χ^2/NDF: 101.6/86

- sign -0.192+/-72.414 χ^2/NDF: 52.7/43

asym_sam_13_57_dd_reg_correction_rms vs Slug



Right In: 477.671+/-0.125 χ^2/NDF: 1267911.0/17

Left Out: 335.894+/-0.054 χ^2/NDF:533835.0/24

Right Out: 503.138+/-0.126 χ^2/NDF: 1795956.7/20

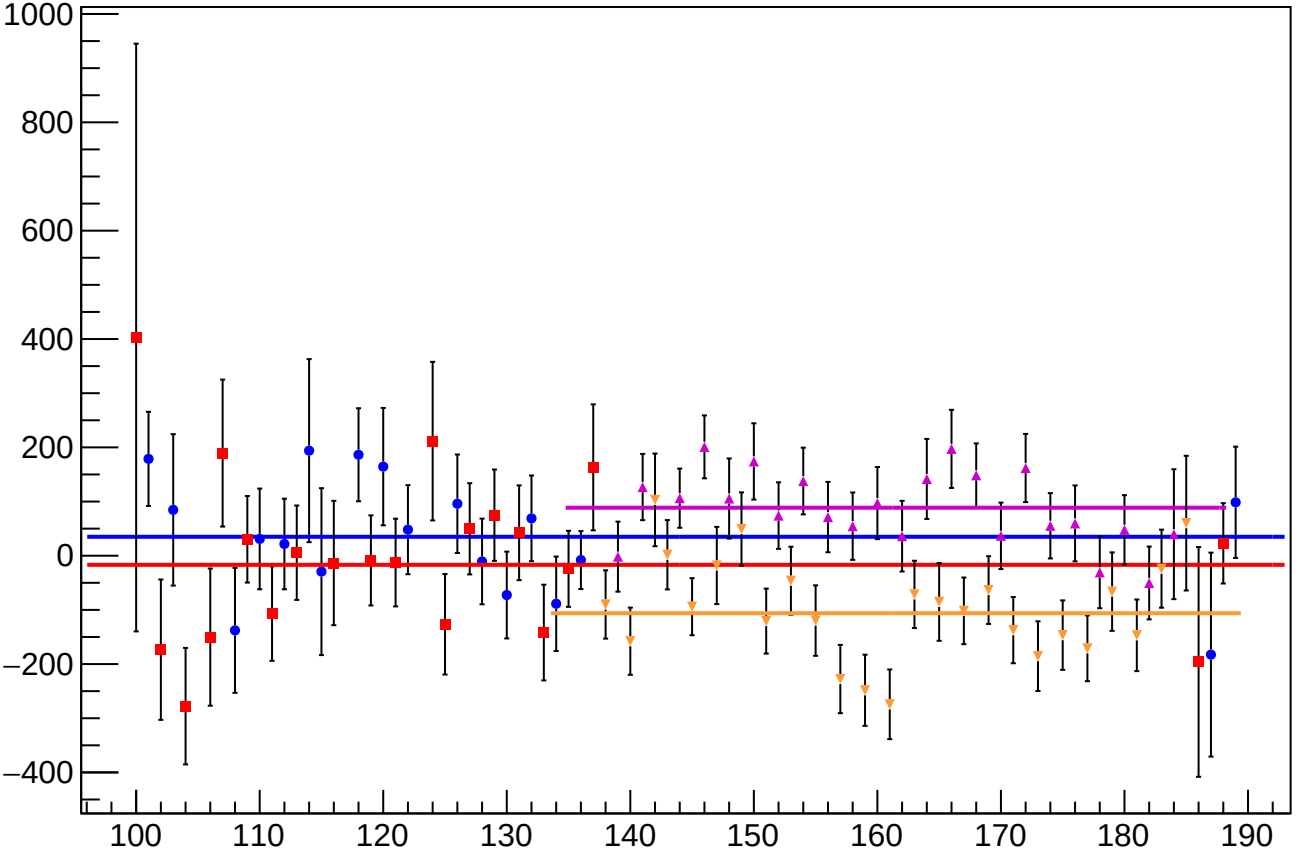
Left In: 336.343+/-0.056 χ^2/NDF:414202.1/22

+ sign 358.400+/-0.050 χ^2/NDF: 2877788.7/42

All: 360.972+/-0.036 χ^2/NDF: 6547214.5/86

- sign 363.675+/-0.051 χ^2/NDF: 3663987.5/43

cor_asym_sam_13_57_dd_mean vs Slug



Right In: 34.964+/-21.496 χ^2/NDF: 17.9/17

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: -16.831+/-21.110 χ^2/NDF: 24.4/20

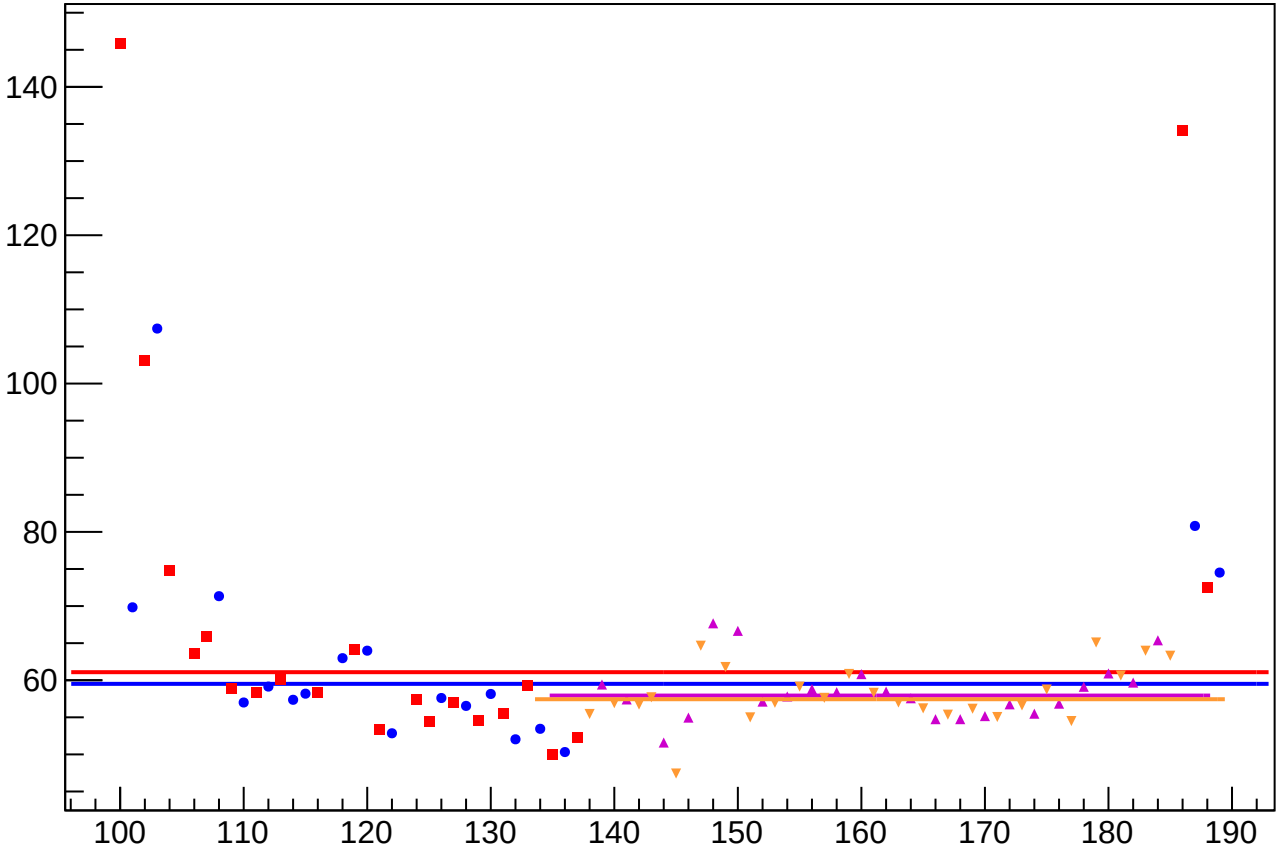
Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

\+ sign -67.945+/-11.180 χ^2/NDF: 90.0/42

All: -6.369+/-7.986 χ^2/NDF: 217.9/86

\- sign 57.800+/-11.413 χ^2/NDF: 65.9/43

cor_asym_sam_13_57_dd_rms vs Slug



Right In: 59.513+/-0.015 χ^2/NDF: 465007.1/17

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

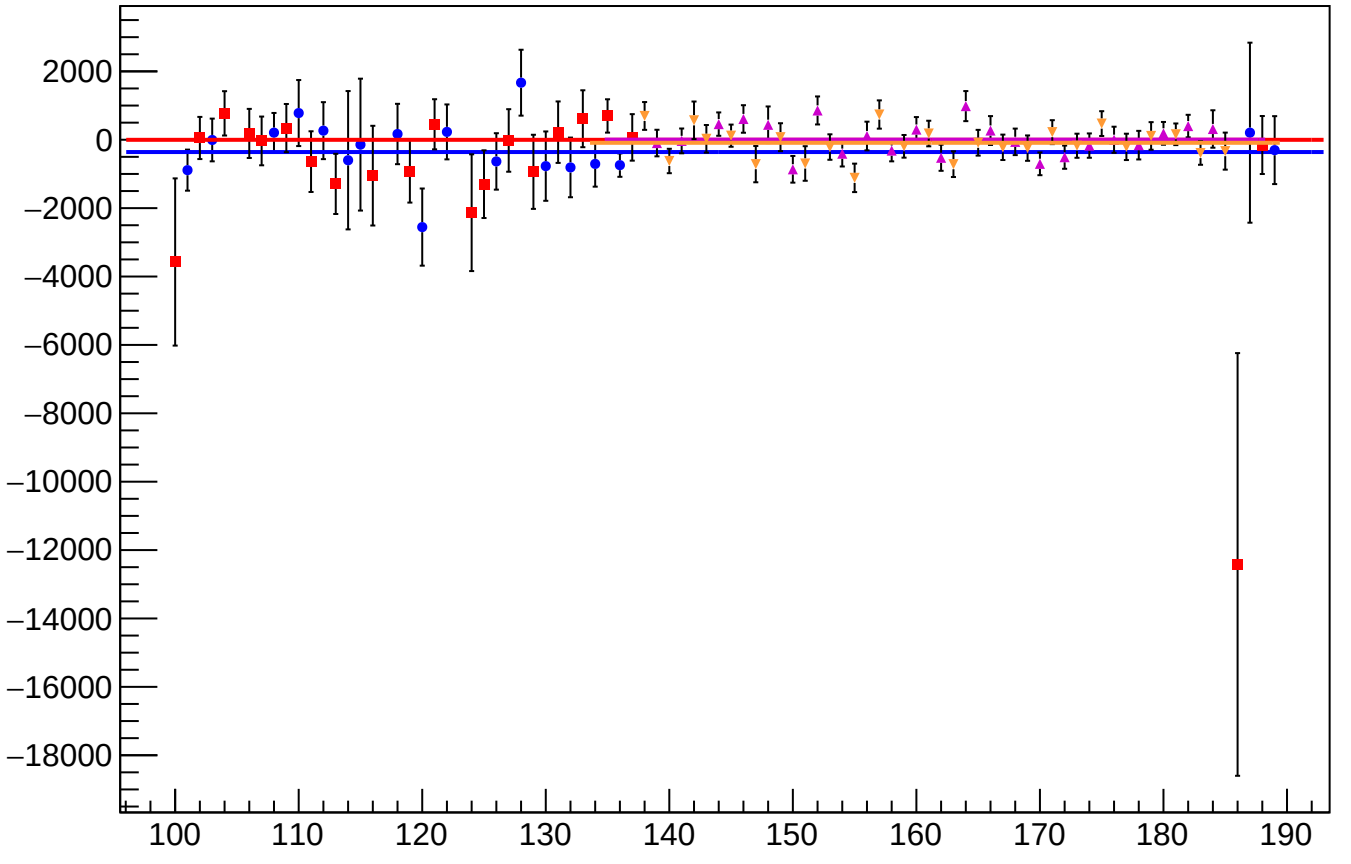
Right Out: 61.087+/-0.015 χ^2/NDF: 703764.8/20

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 58.001+/-0.008 χ^2/NDF: 653124.1/42

All: 58.419+/-0.006 χ^2/NDF: 1530095.5/86

- sign 58.855+/-0.008 χ^2/NDF: 871260.2/43



Right In: -359.514+/-177.285 χ^2/NDF: 15.3/17

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: -2.002+/-179.414 χ^2/NDF: 19.2/20

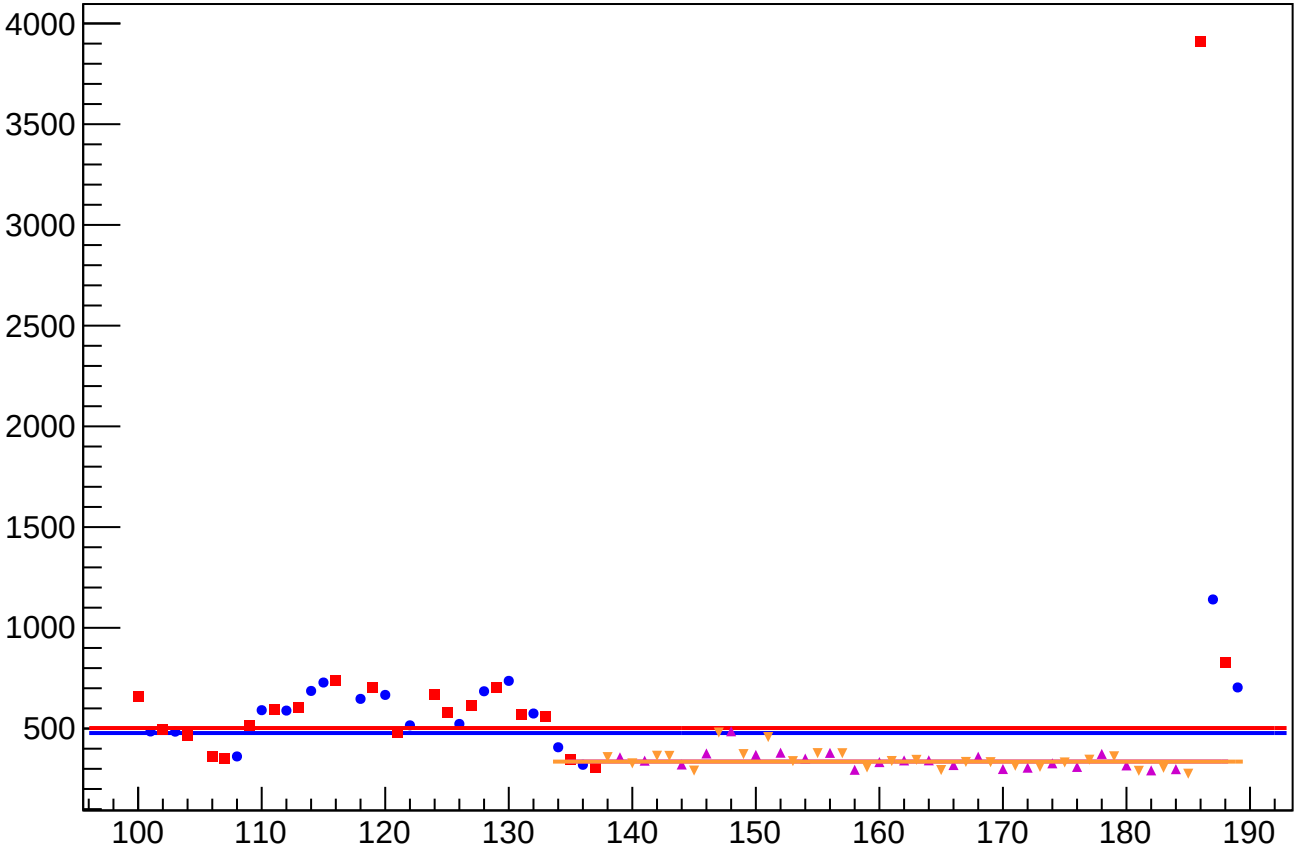
Left In: 3.047+/-79.193 χ^2/NDF:33.6/22

+ sign -131.993+/-70.635 χ^2/NDF: 47.1/42

All: -66.587+/-50.576 χ^2/NDF: 101.7/86

- sign 2.224+/-72.449 χ^2/NDF: 52.8/43

asym_sam_13_57_dd_cor_correction_rms vs Slug



Right In: 477.674+/-0.125 χ^2/NDF: 1267910.4/17

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 502.569+/-0.127 χ^2/NDF: 1812064.6/20

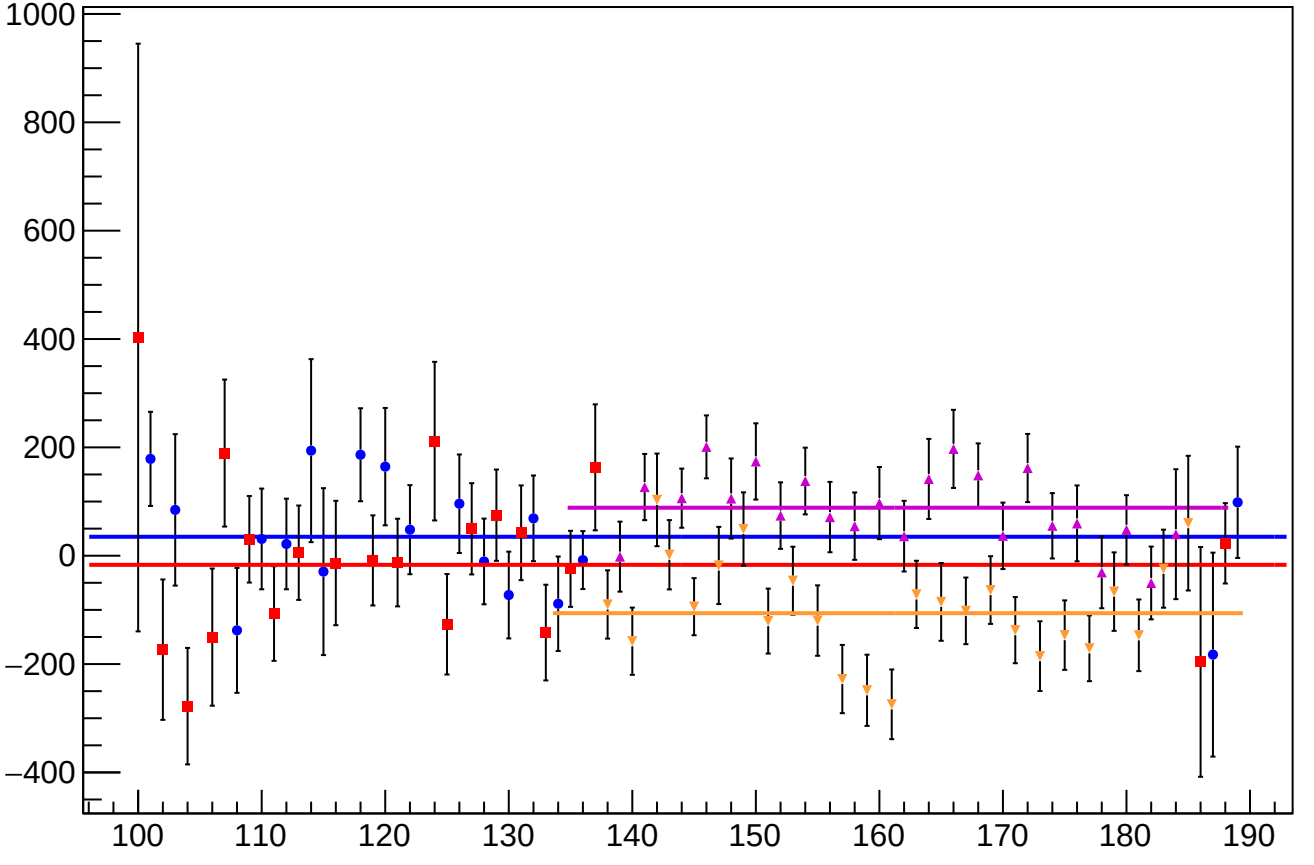
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 358.401+/-0.050 χ^2/NDF: 2877818.0/42

All: 360.861+/-0.036 χ^2/NDF: 6545911.3/86

- sign 363.448+/-0.051 χ^2/NDF: 3663115.8/43

eigen_cor_asym_sam_13_57_dd_mean vs Slug



Right In: 34.964+/-21.496 χ^2/NDF: 17.9/17

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: -16.831+/-21.110 χ^2/NDF: 24.4/20

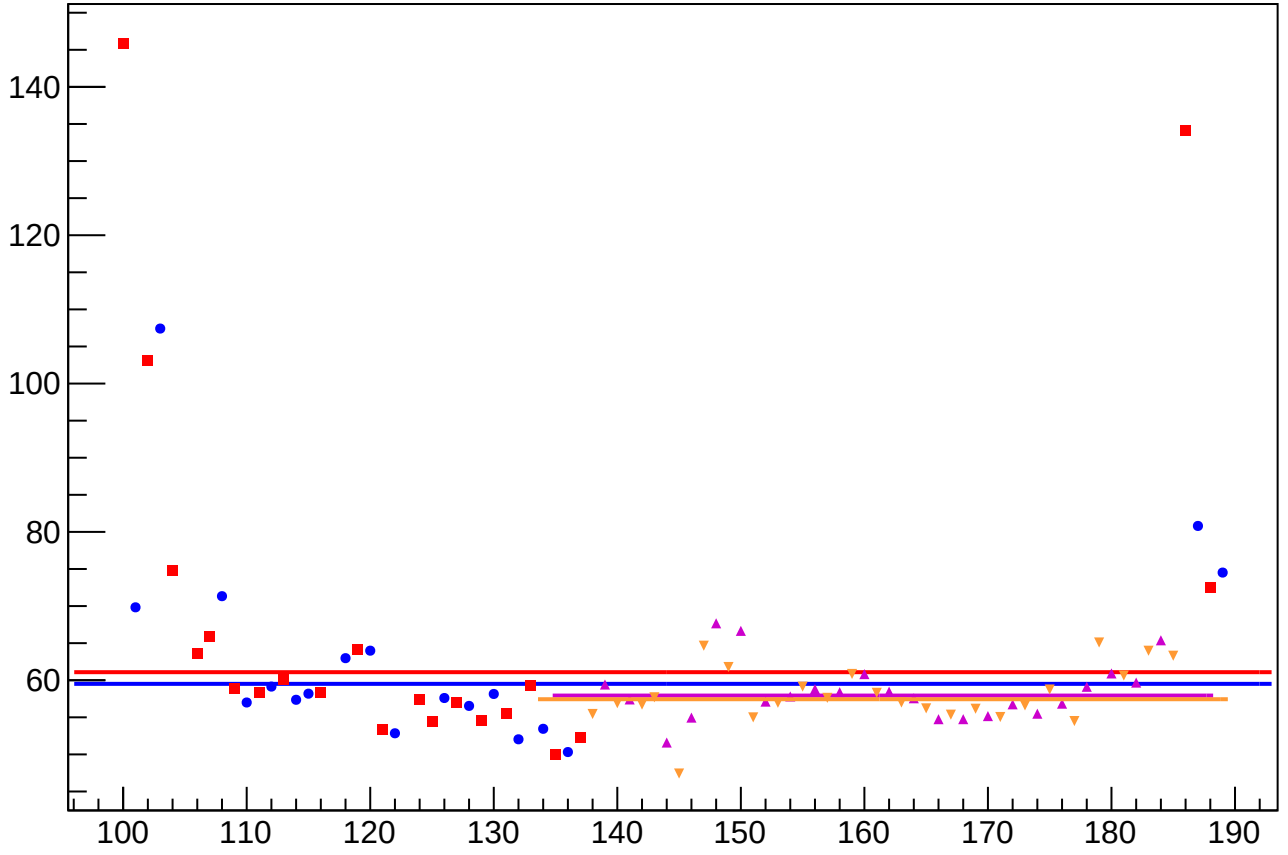
Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

+ sign -67.945+/-11.180 χ^2/NDF: 90.0/42

All: -6.369+/-7.986 χ^2/NDF: 217.9/86

- sign 57.800+/-11.413 χ^2/NDF: 65.9/43

eigen_cor_asym_sam_13_57_dd_rms vs Slug



Right In: 59.513+/-0.015 χ^2/NDF: 465007.1/17

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

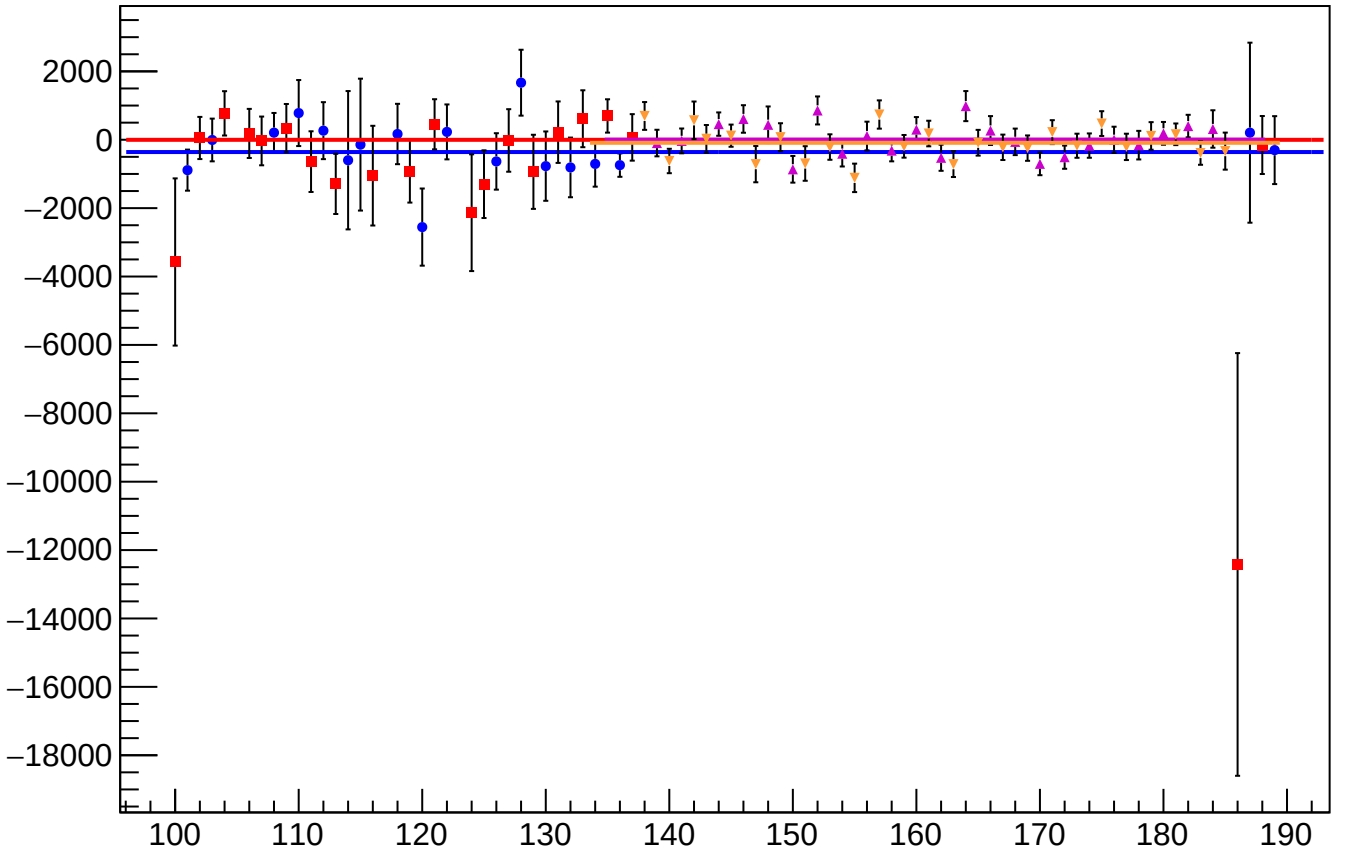
Right Out: 61.087+/-0.015 χ^2/NDF: 703764.8/20

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 58.001+/-0.008 χ^2/NDF: 653124.1/42

All: 58.419+/-0.006 χ^2/NDF: 1530095.5/86

- sign 58.855+/-0.008 χ^2/NDF: 871260.2/43



Right In: -359.514+/-177.285 χ^2/NDF: 15.3/17

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

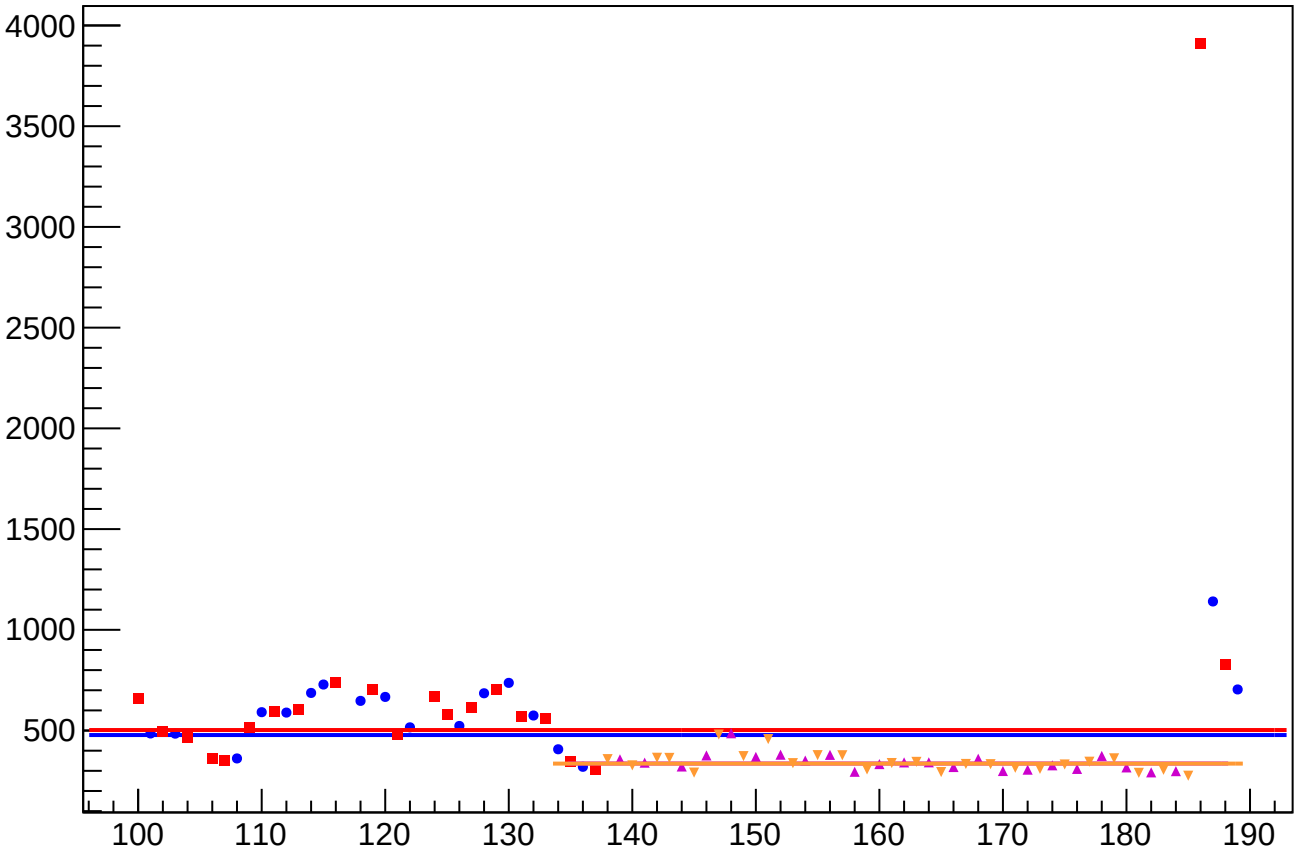
Right Out: -2.002+/-179.414 χ^2/NDF: 19.2/20

Left In: 3.047+/-79.193 χ^2/NDF:33.6/22

+ sign -131.993+/-70.635 χ^2/NDF: 47.1/42

All: -66.587+/-50.576 χ^2/NDF: 101.7/86

- sign 2.224+/-72.449 χ^2/NDF: 52.8/43



Right In: 477.674+/-0.125 χ^2/NDF: 1267910.4/17

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 502.569+/-0.127 χ^2/NDF: 1812064.6/20

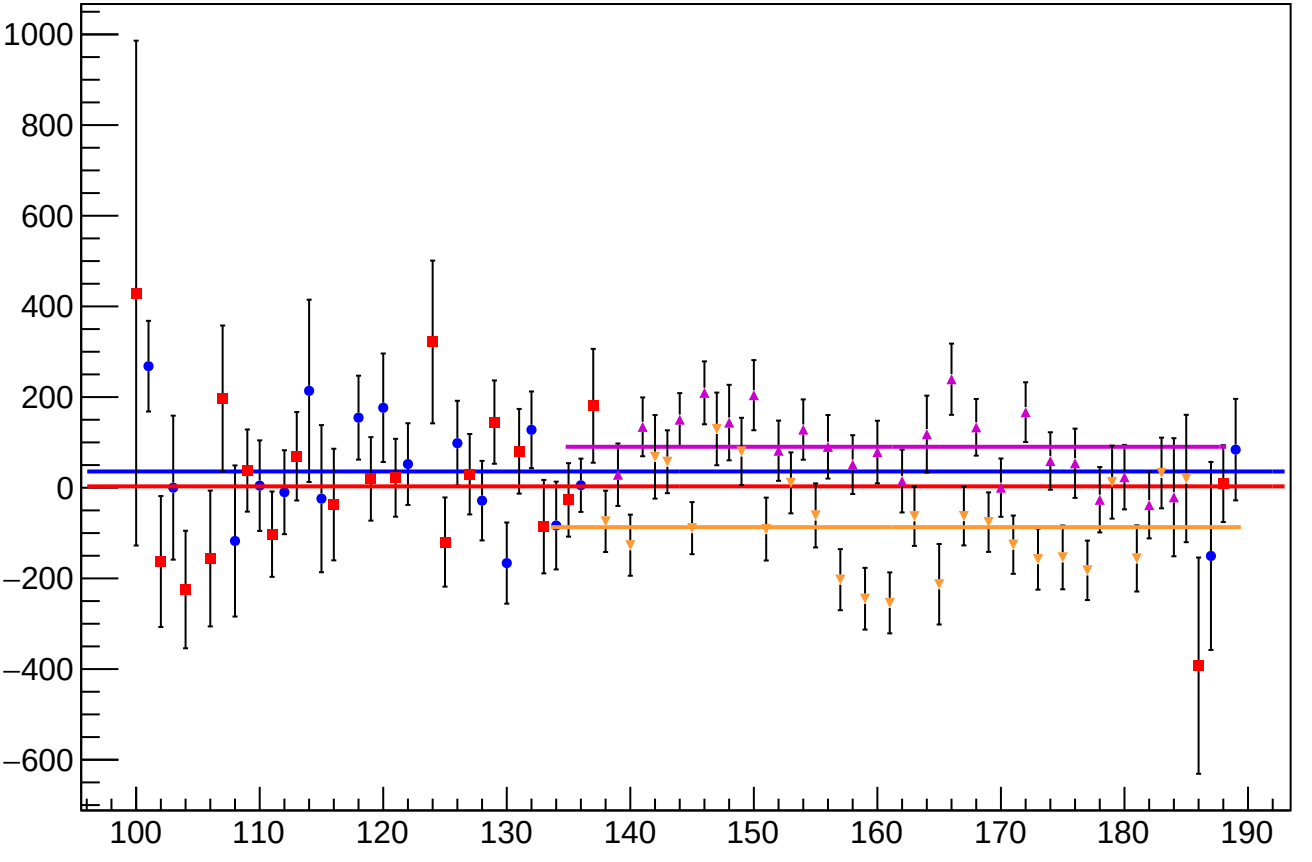
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 358.401+/-0.050 χ^2/NDF: 2877818.0/42

All: 360.861+/-0.036 χ^2/NDF: 6545911.3/86

- sign 363.448+/-0.051 χ^2/NDF: 3663115.8/43

dit_asym_sam_13_57_dd_mean vs Slug



Right In: 35.867+/-23.750 χ^2/NDF: 20.6/17

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: 3.045+/-23.480 χ^2/NDF: 23.1/20

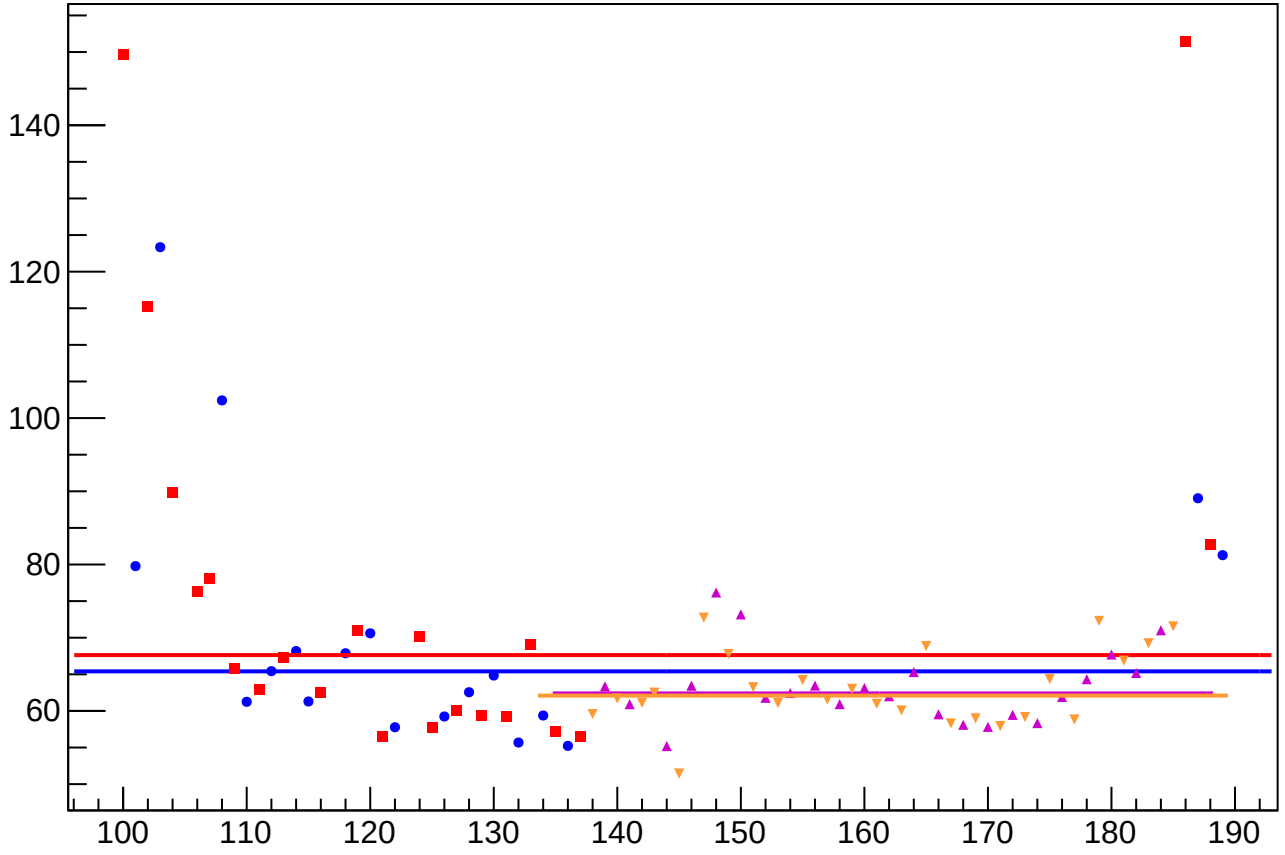
Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

+ sign -54.697+/-12.172 χ^2/NDF: 89.2/42

All: 4.310+/-8.698 χ^2/NDF: 195.3/86

- sign 65.880+/-12.433 χ^2/NDF: 58.1/43

dit_asym_sam_13_57_dd_rms vs Slug



Right In: 65.404+/-0.017 χ^2/NDF: 602204.8/17

Left Out: 62.093+/-0.010 χ^2/NDF:233343.0/24

Right Out: 67.626+/-0.017 χ^2/NDF: 808307.8/20

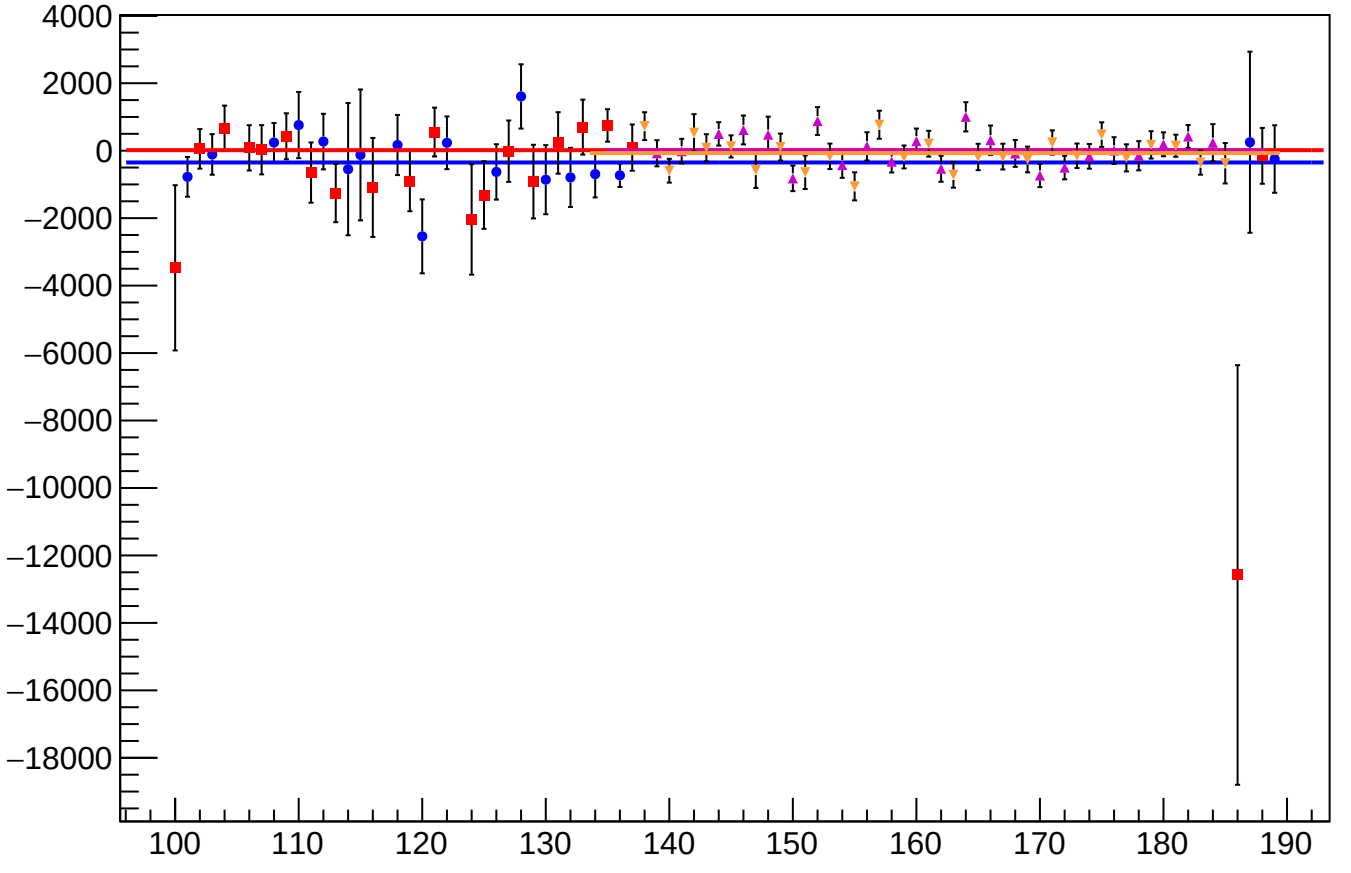
Left In: 62.395+/-0.010 χ^2/NDF:188814.3/22

+ sign 62.963+/-0.009 χ^2/NDF: 864202.6/42

All: 63.403+/-0.006 χ^2/NDF: 1938107.2/86

- sign 63.862+/-0.009 χ^2/NDF: 1068562.8/43

asym_sam_13_57_dd_dit_correction_mean vs Slug



Right In: -349.485+/-177.089 χ^2/NDF: 14.9/17

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: 14.966+/-177.276 χ^2/NDF: 19.6/20

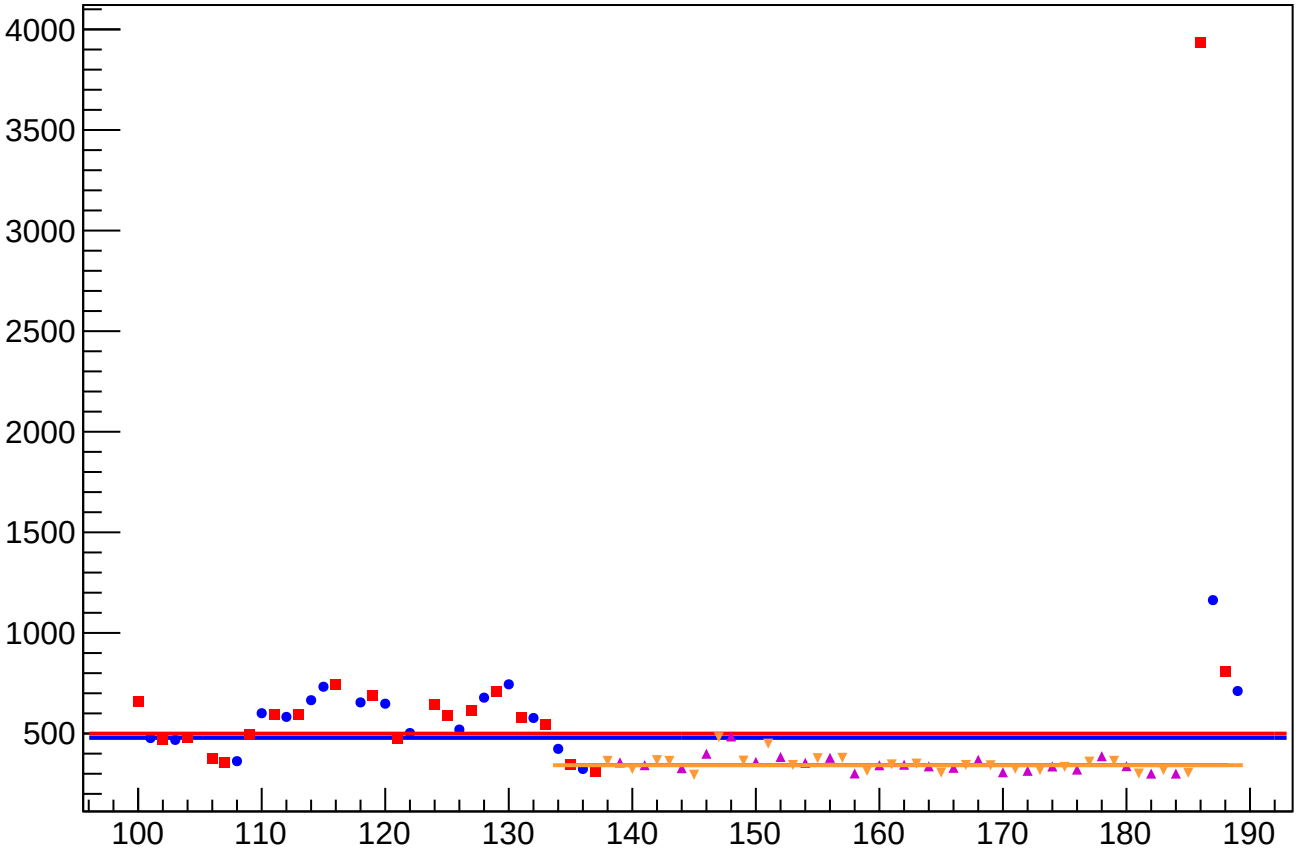
Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -116.908+/-71.688 χ^2/NDF: 45.5/42

All: -56.176+/-51.317 χ^2/NDF: 100.5/86

- sign 7.652+/-73.493 χ^2/NDF: 53.6/43

asym_sam_13_57_dd_dit_correction_rms vs Slug



Right In: 478.334+/-0.125 χ^2/NDF: 1231581.2/17

Left Out: 342.502+/-0.055 χ^2/NDF:434208.3/24

Right Out: 499.383+/-0.125 χ^2/NDF: 1762062.6/20

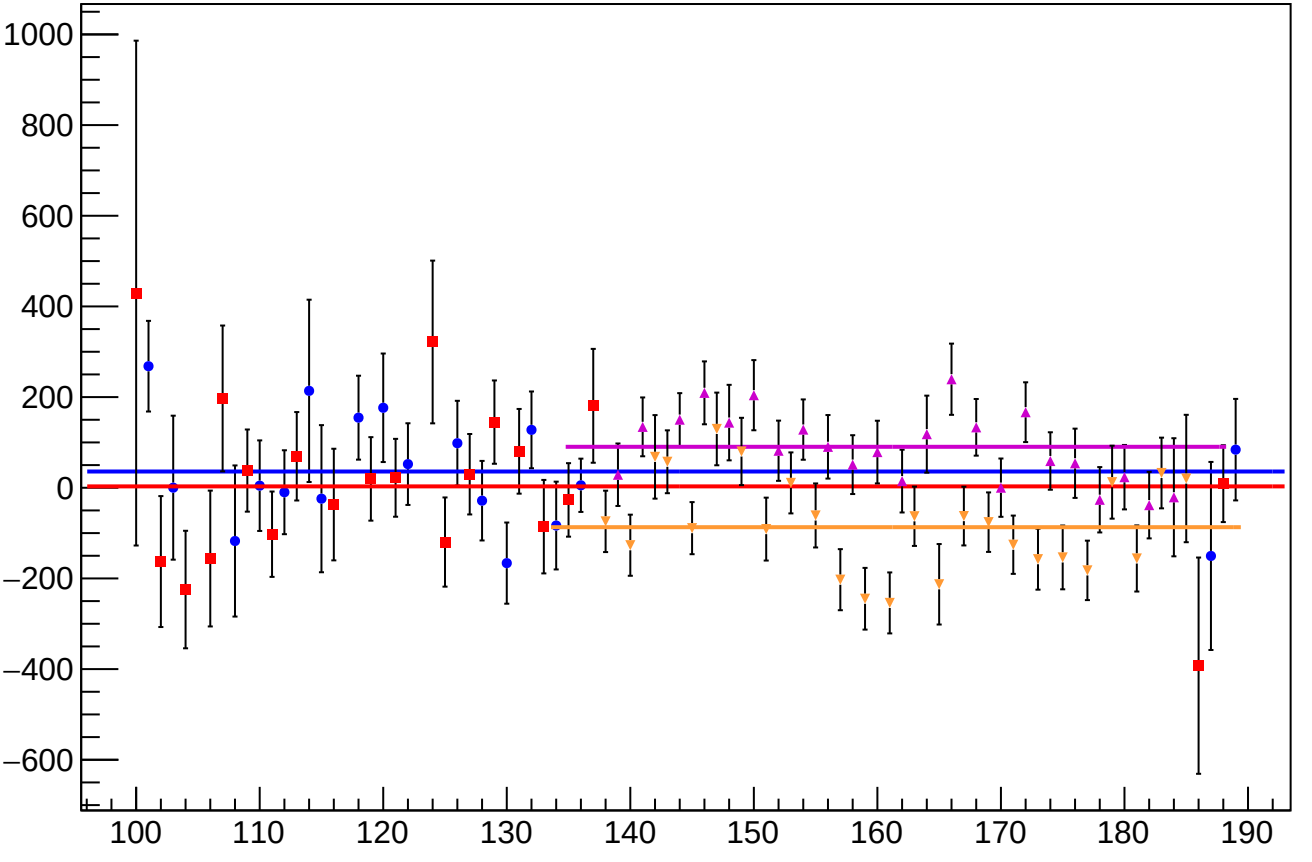
Left In: 343.245+/-0.057 χ^2/NDF:372991.6/22

+ sign 364.762+/-0.051 χ^2/NDF: 2649619.6/42

All: 367.355+/-0.036 χ^2/NDF: 6074883.6/86

- sign 370.080+/-0.052 χ^2/NDF: 3419897.7/43

eigen_dit_asym_sam_13_57_dd_mean vs Slug



Right In: 35.867+/-23.750 χ^2/NDF: 20.6/17

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: 3.045+/-23.480 χ^2/NDF: 23.1/20

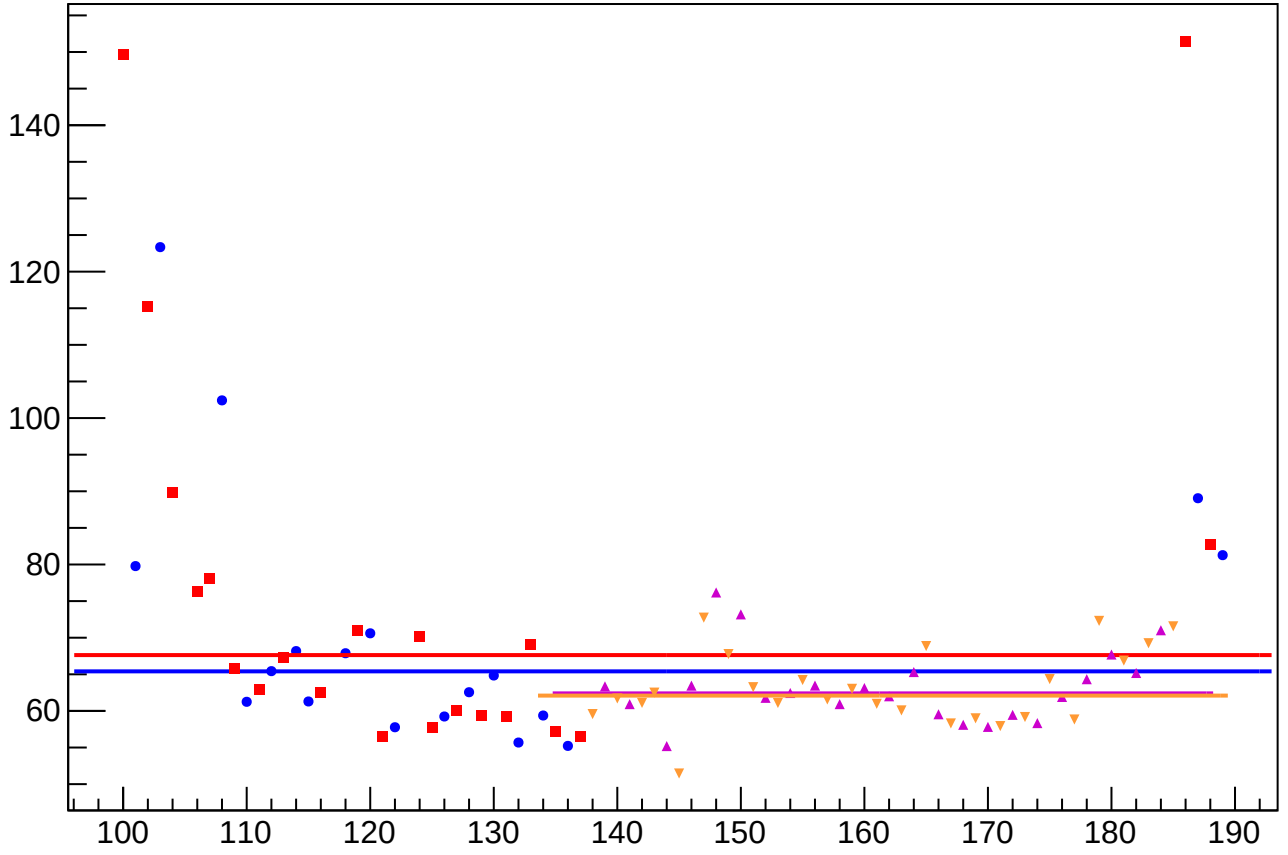
Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

+ sign -54.697+/-12.172 χ^2/NDF: 89.2/42

All: 4.310+/-8.698 χ^2/NDF: 195.3/86

- sign 65.880+/-12.433 χ^2/NDF: 58.1/43

eigen_dit_asym_sam_13_57_dd_rms vs Slug



Right In: 65.404+/-0.017 χ^2/NDF: 602215.4/17

Left Out: 62.093+/-0.010 χ^2/NDF:233347.2/24

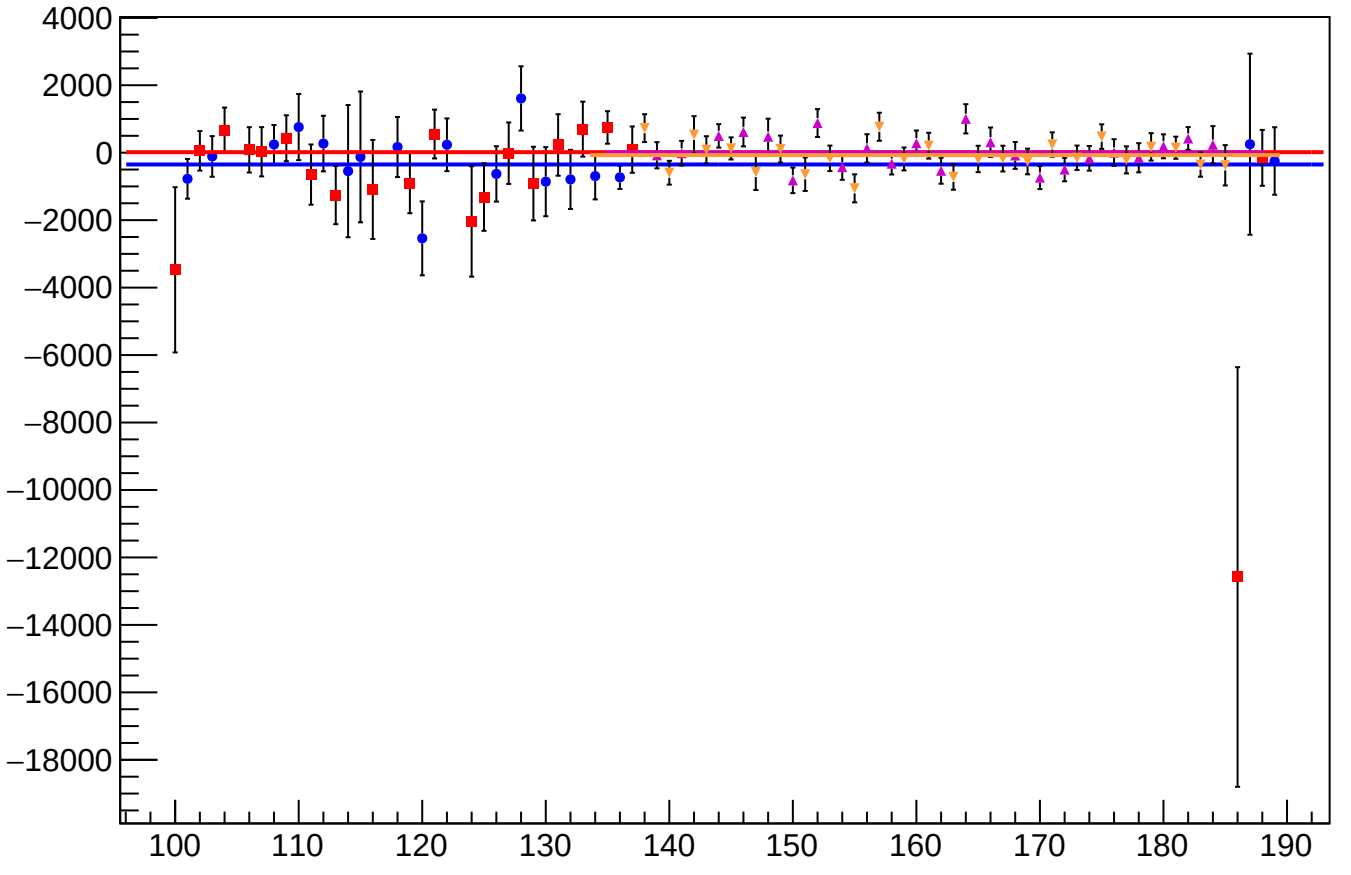
Right Out: 67.626+/-0.017 χ^2/NDF: 808307.7/20

Left In: 62.395+/-0.010 χ^2/NDF:188817.4/22

+ sign 62.963+/-0.009 χ^2/NDF: 864215.8/42

All: 63.403+/-0.006 χ^2/NDF: 1938121.1/86

- sign 63.862+/-0.009 χ^2/NDF: 1068563.2/43



Right In: -349.485+/-177.089 χ^2/NDF: 14.9/17

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

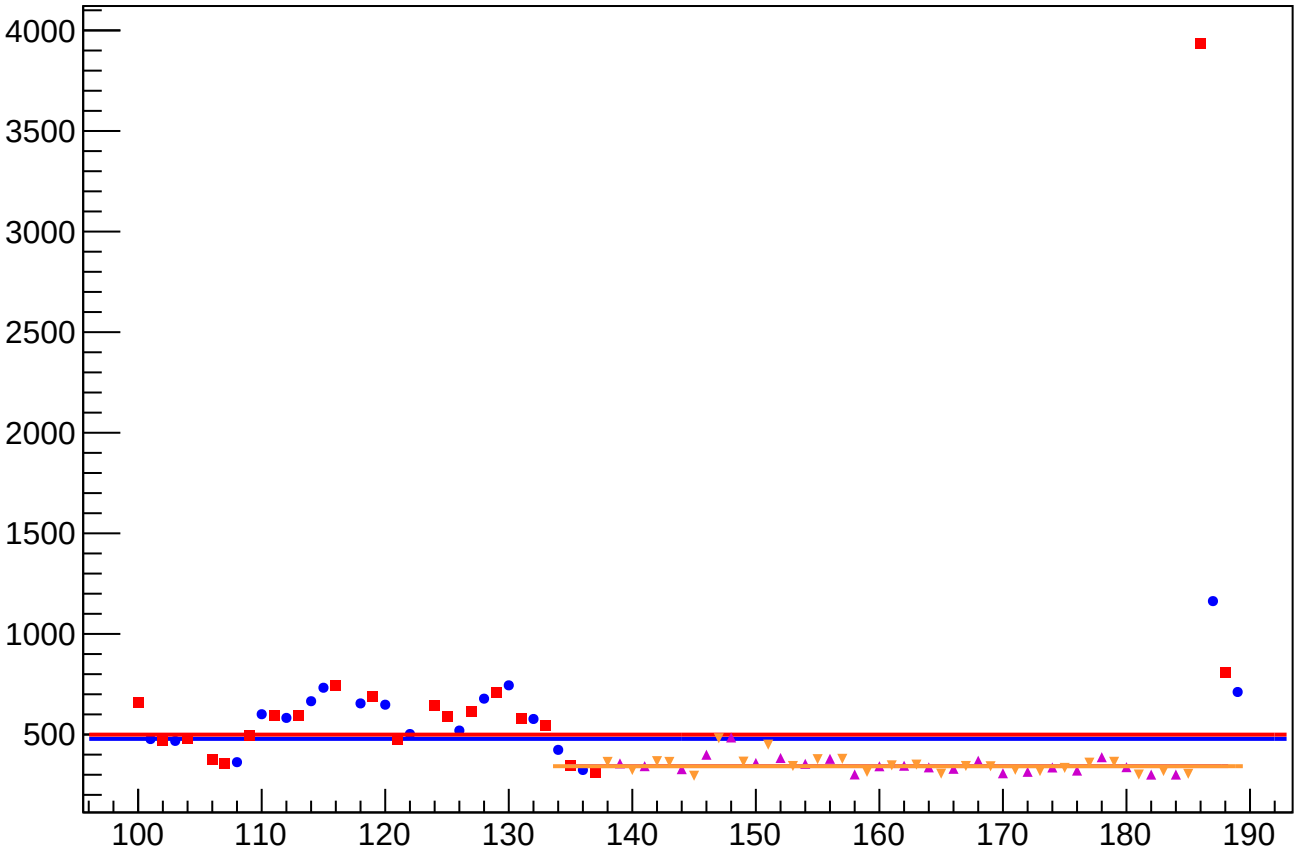
Right Out: 14.967+/-177.276 χ^2/NDF: 19.6/20

Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -116.908+/-71.688 χ^2/NDF: 45.5/42

All: -56.176+/-51.317 χ^2/NDF: 100.5/86

- sign 7.652+/-73.493 χ^2/NDF: 53.6/43



Right In: 478.333+/-0.125 χ^2/NDF: 1231584.3/17

Left Out: 342.502+/-0.055 χ^2/NDF:434210.5/24

Right Out: 499.383+/-0.125 χ^2/NDF: 1762062.4/20

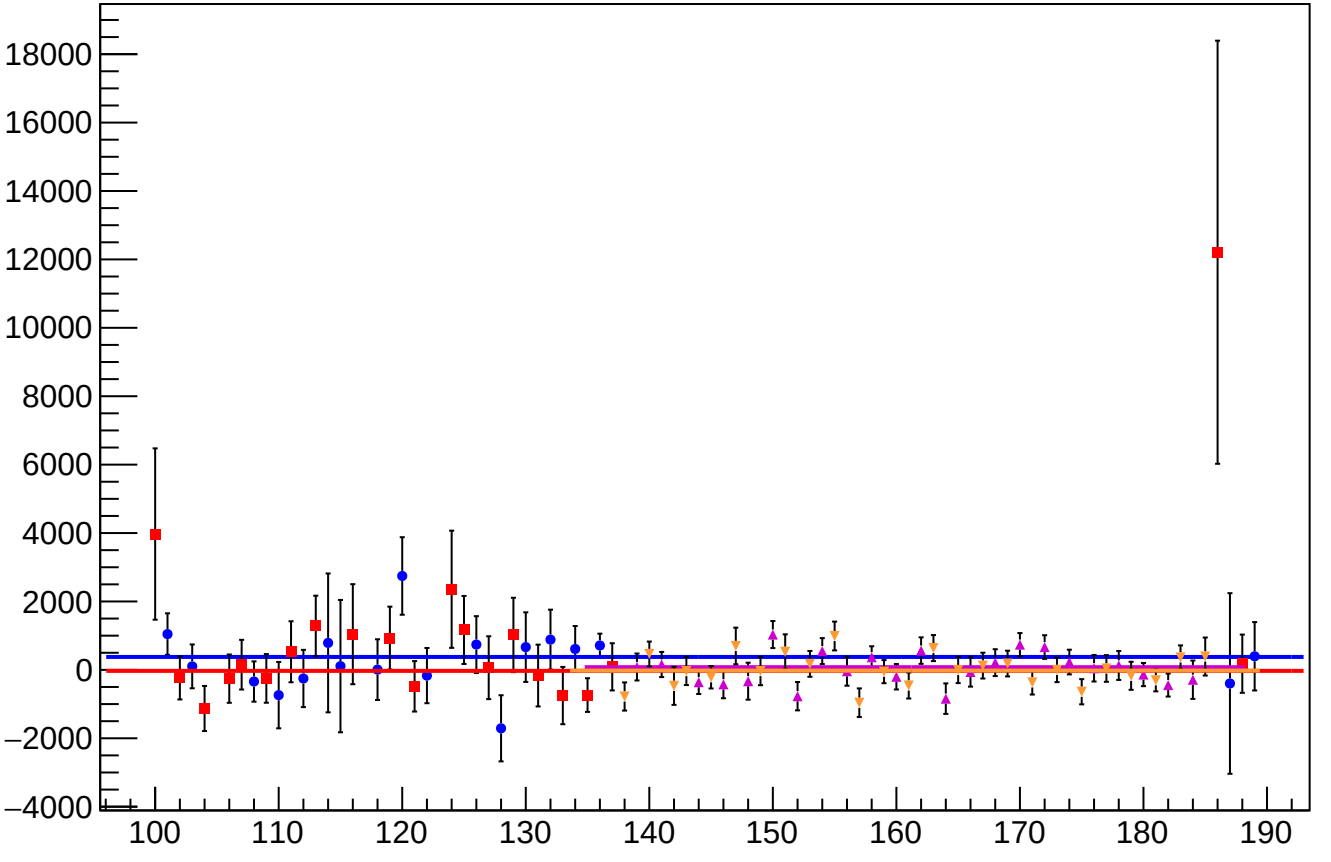
Left In: 343.245+/-0.057 χ^2/NDF:372993.5/22

+ sign 364.762+/-0.051 χ^2/NDF: 2649618.1/42

All: 367.355+/-0.036 χ^2/NDF: 6074872.0/86

- sign 370.080+/-0.052 χ^2/NDF: 3419887.5/43

asym_sam_13_57_dd_mean vs Slug



Right In: 378.016+/-179.265 χ^2/NDF: 16.2/17

Left Out: -20.272+/-78.196 χ^2/NDF:31.4/24

Right Out: -29.486+/-180.949 χ^2/NDF: 21.5/20

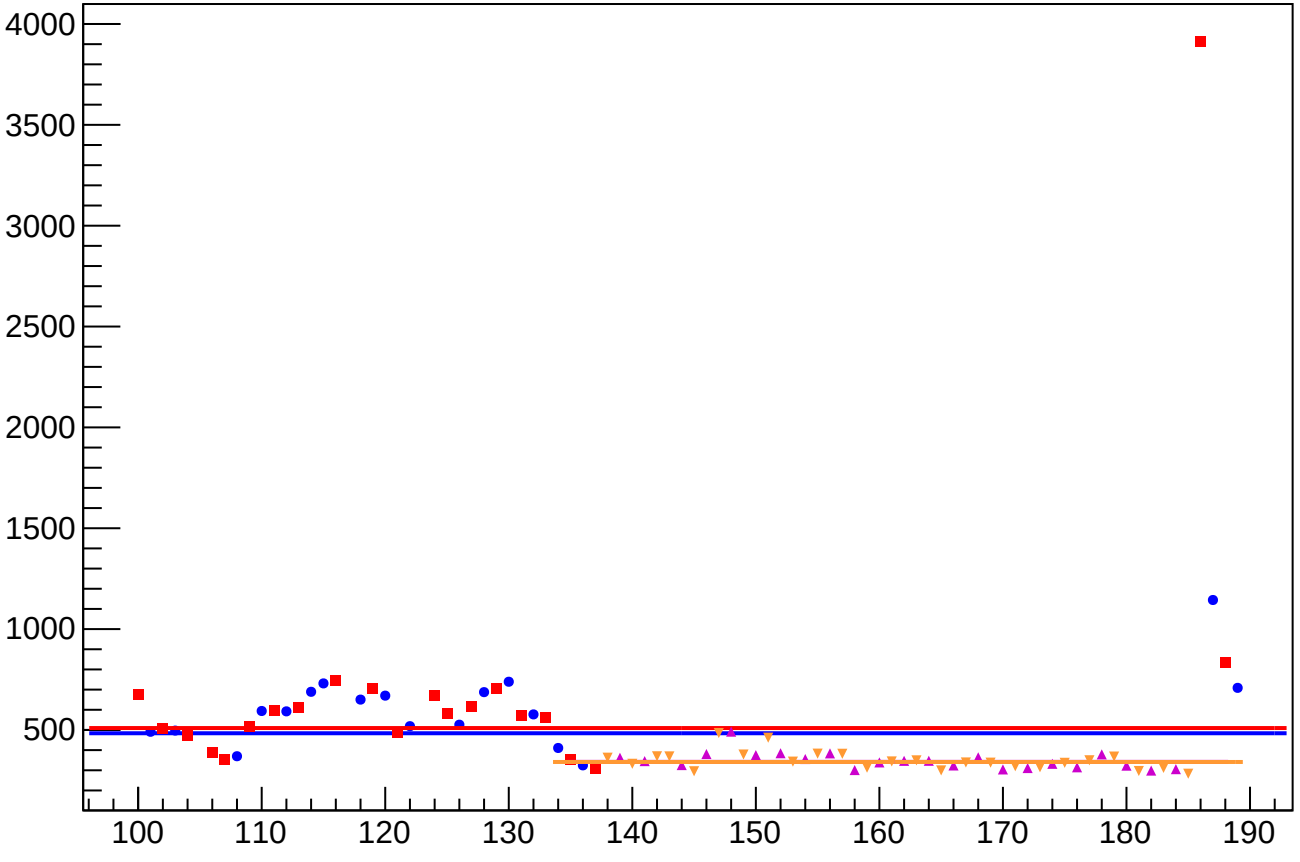
Left In: 78.719+/-80.410 χ^2/NDF:32.9/22

+ sign 43.397+/-71.674 χ^2/NDF: 51.8/42

All: 51.919+/-51.308 χ^2/NDF: 106.5/86

- sign 60.875+/-73.481 χ^2/NDF: 54.7/43

asym_sam_13_57_dd_rms vs Slug



Right In: 483.603+/-0.127 χ^2/NDF: 1233767.0/17

Left Out: 341.199+/-0.055 χ^2/NDF:510854.5/24

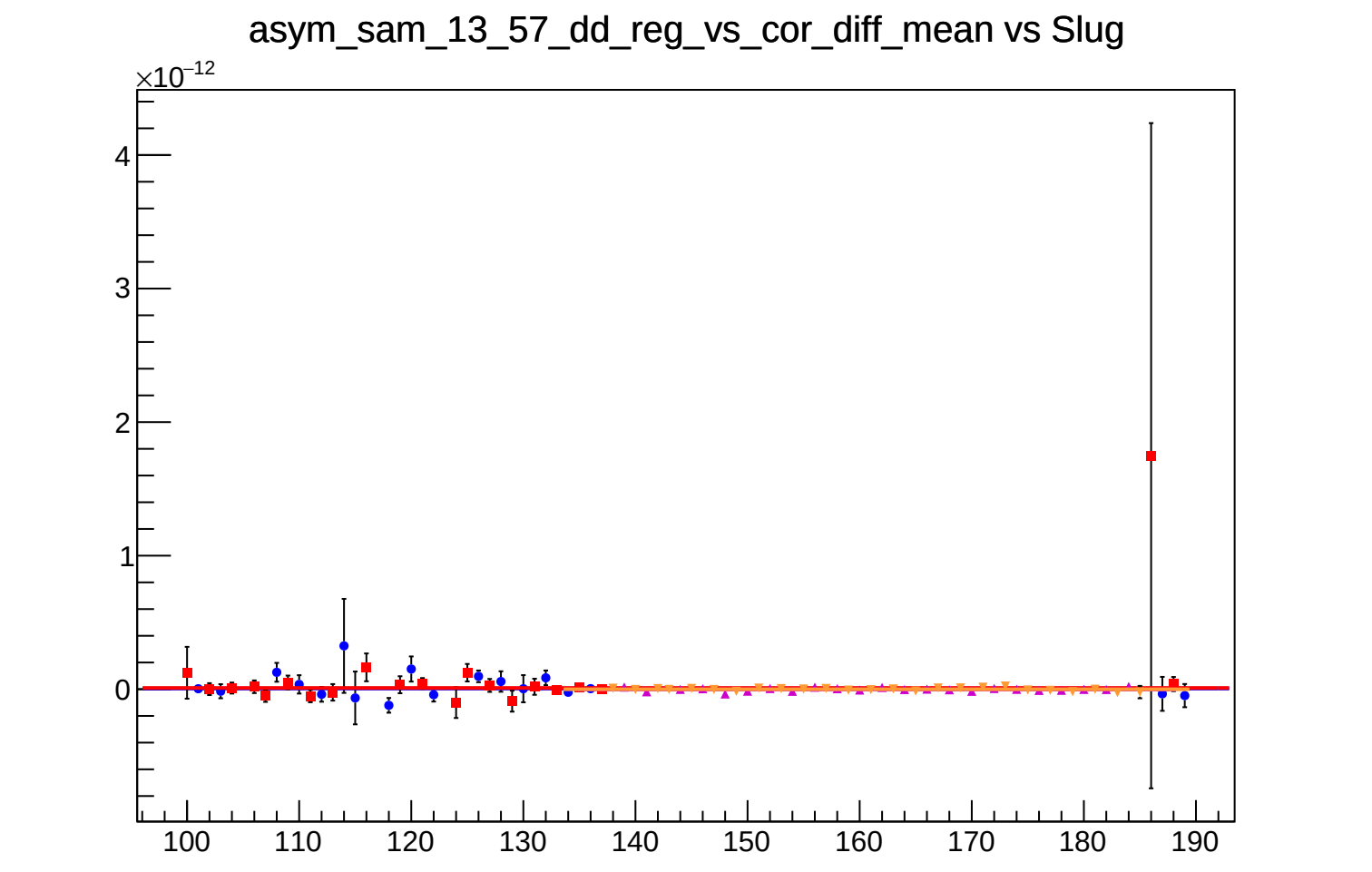
Right Out: 509.386+/-0.128 χ^2/NDF: 1759698.1/20

Left In: 341.622+/-0.057 χ^2/NDF:396885.0/22

+ sign 363.963+/-0.051 χ^2/NDF: 2804942.4/42

All: 366.559+/-0.036 χ^2/NDF: 6402564.8/86

- sign 369.288+/-0.052 χ^2/NDF: 3592240.6/43



Right In: 0.000+/-0.000 χ^2/NDF: 21.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/24

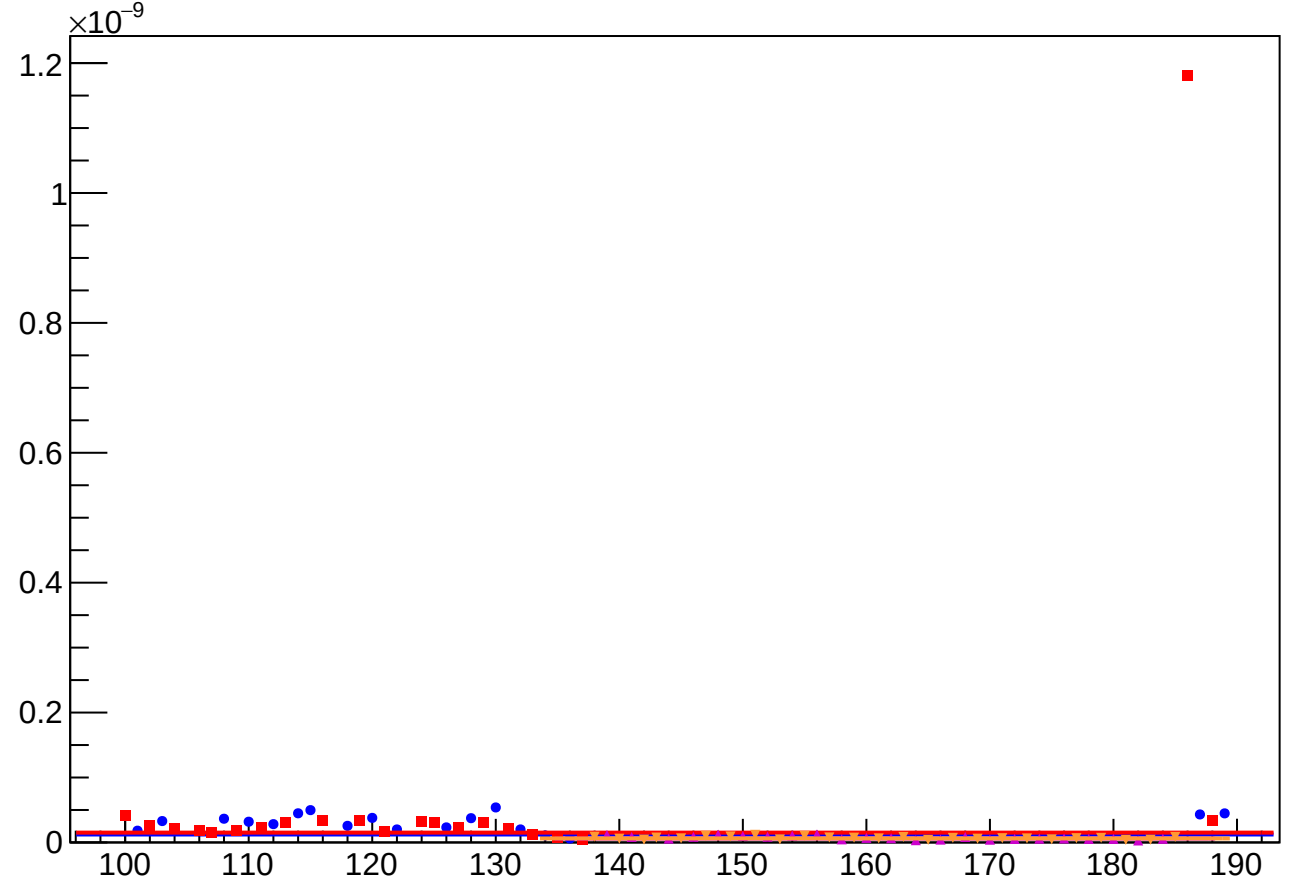
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/20

Left In: -0.000+/-0.000 χ^2/NDF:14.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.2/42

All: -0.000+/-0.000 χ^2/NDF: 72.1/86

- sign -0.000+/-0.000 χ^2/NDF: 30.6/43



Right In: 0.000+/-0.000 χ^2/NDF: 3251650.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:1159883.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2471650.0/20

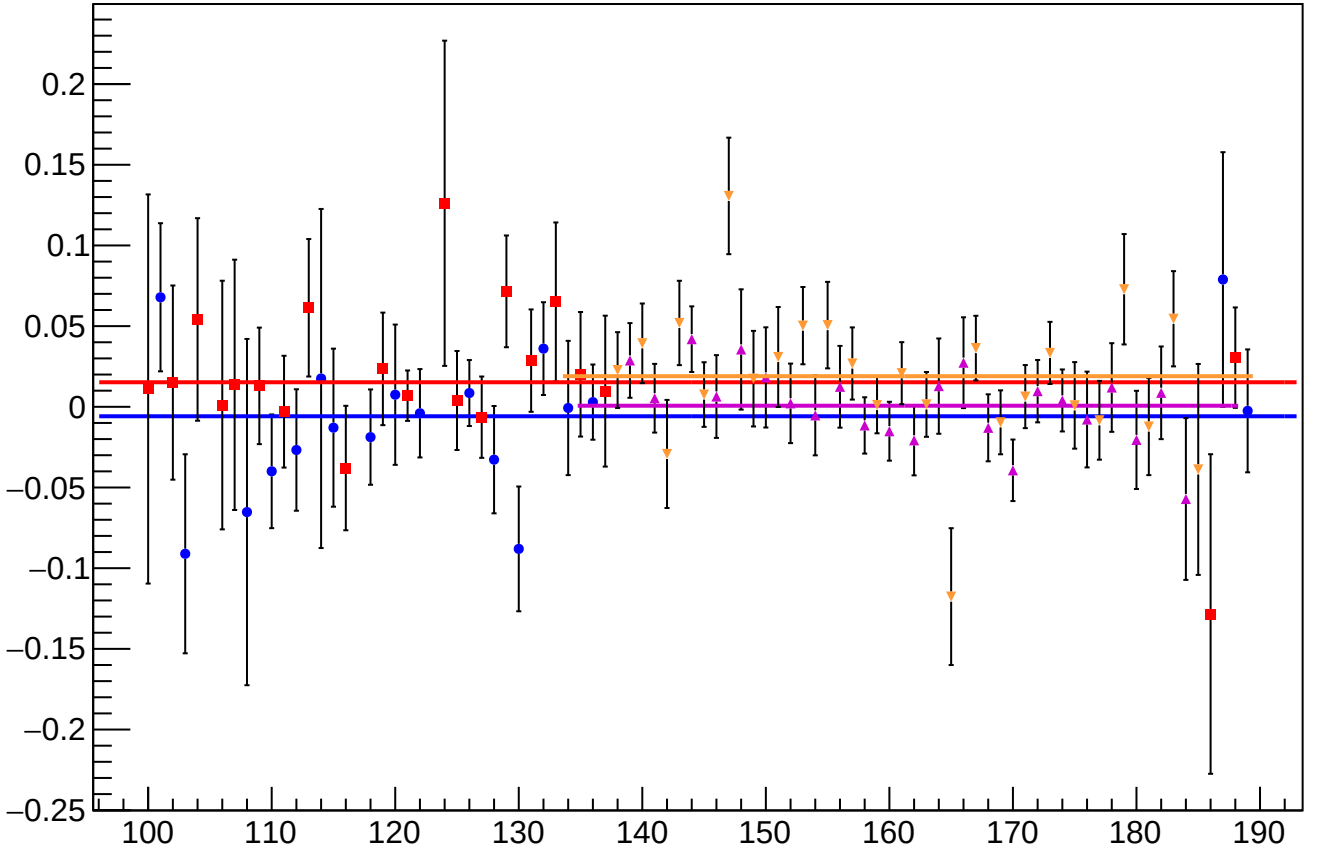
Left In: 0.000+/-0.000 χ^2/NDF:1660677.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 5460192.3/42

All: 0.000+/-0.000 χ^2/NDF: 11441198.1/86

- sign 0.000+/-0.000 χ^2/NDF: 5980871.0/43

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.006+/-0.008 χ^2/NDF: 15.5/17

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: 0.015+/-0.008 χ^2/NDF: 12.4/20

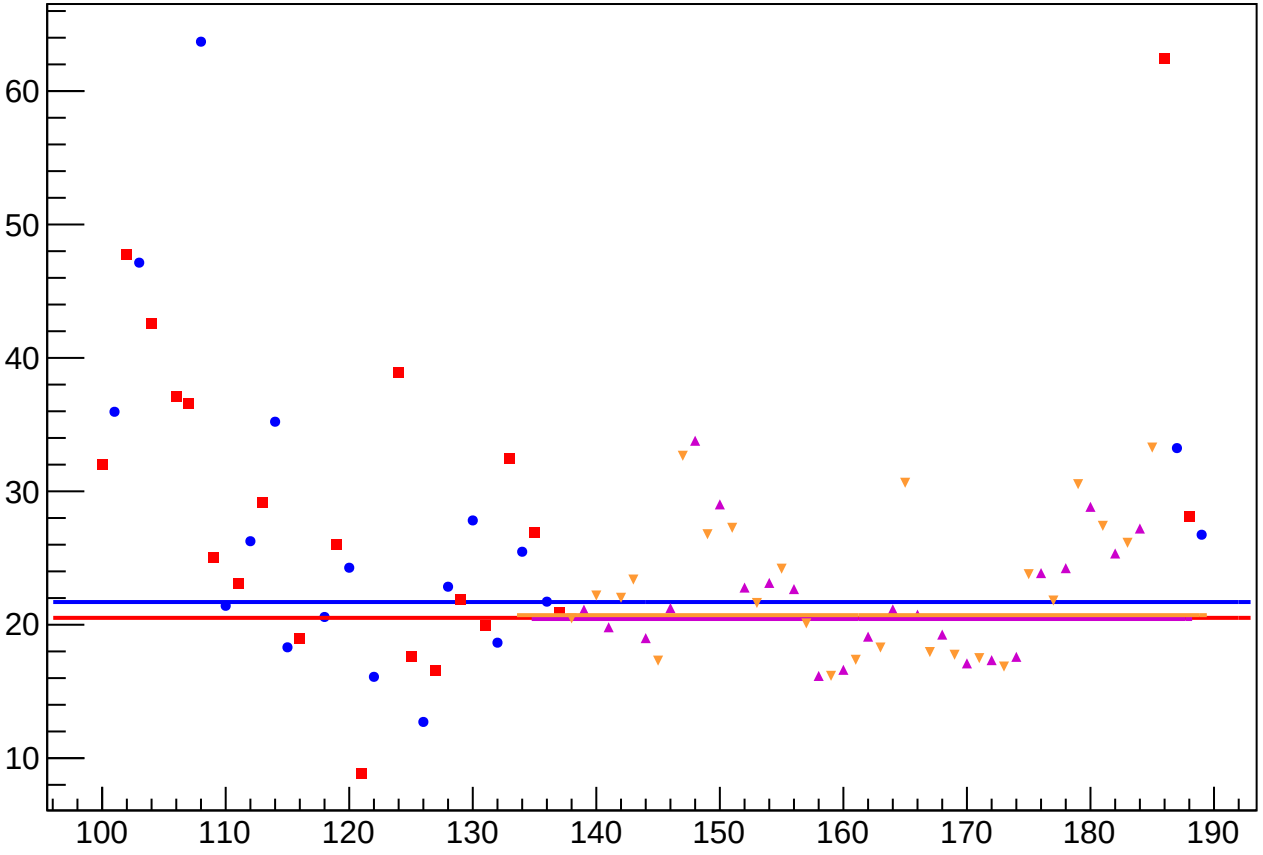
Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.013+/-0.004 χ^2/NDF: 63.3/42

All: 0.009+/-0.003 χ^2/NDF: 97.6/86

- sign 0.005+/-0.004 χ^2/NDF: 32.5/43

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug



Right In: 21.702+/-0.006 χ^2/NDF: 1561481.9/17

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

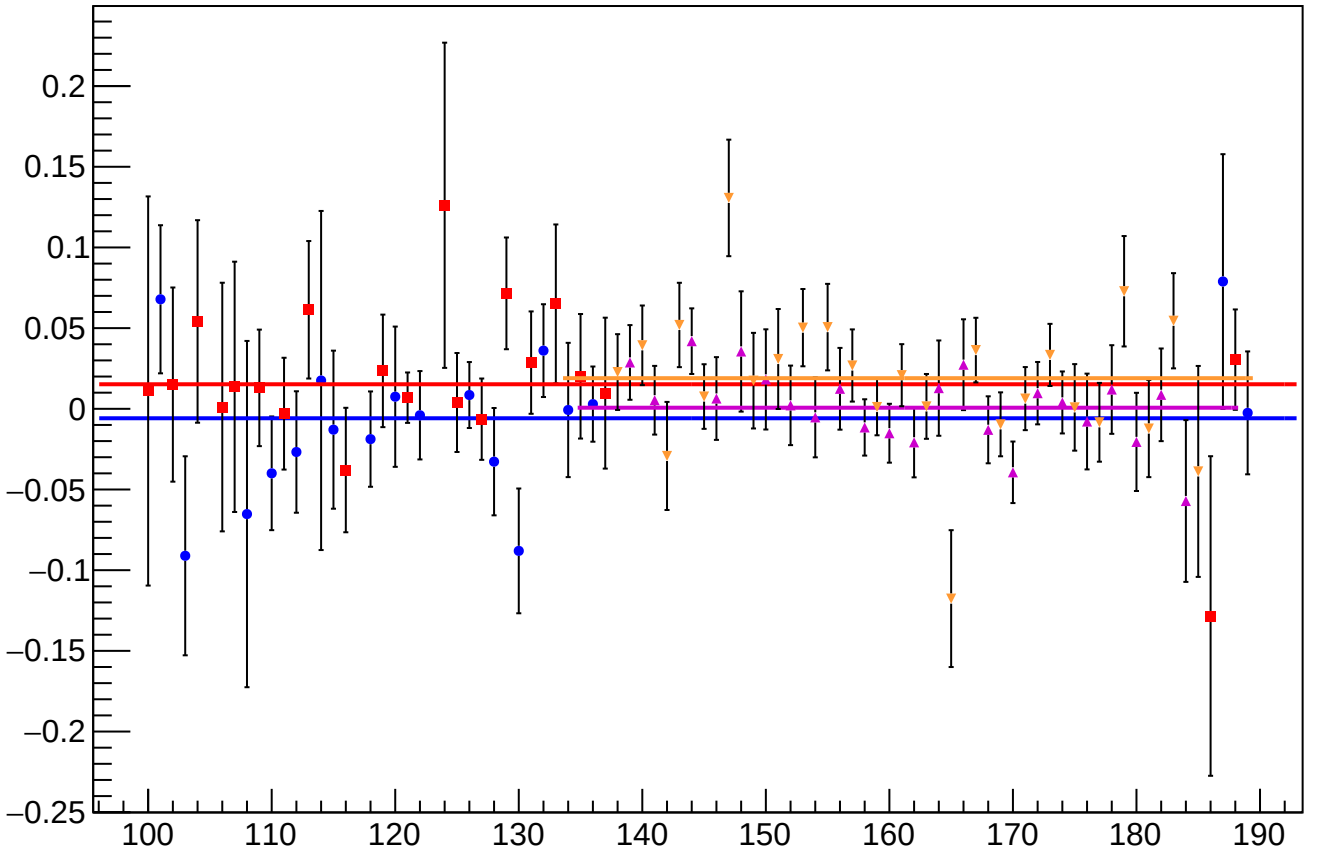
Right Out: 20.516+/-0.006 χ^2/NDF: 2935759.4/20

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

+ sign 20.967+/-0.003 χ^2/NDF: 3088520.9/42

All: 20.709+/-0.002 χ^2/NDF: 7213383.6/86

- sign 20.453+/-0.003 χ^2/NDF: 4109882.7/43



Right In: -0.006+/-0.008 χ^2/NDF: 15.5/17

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

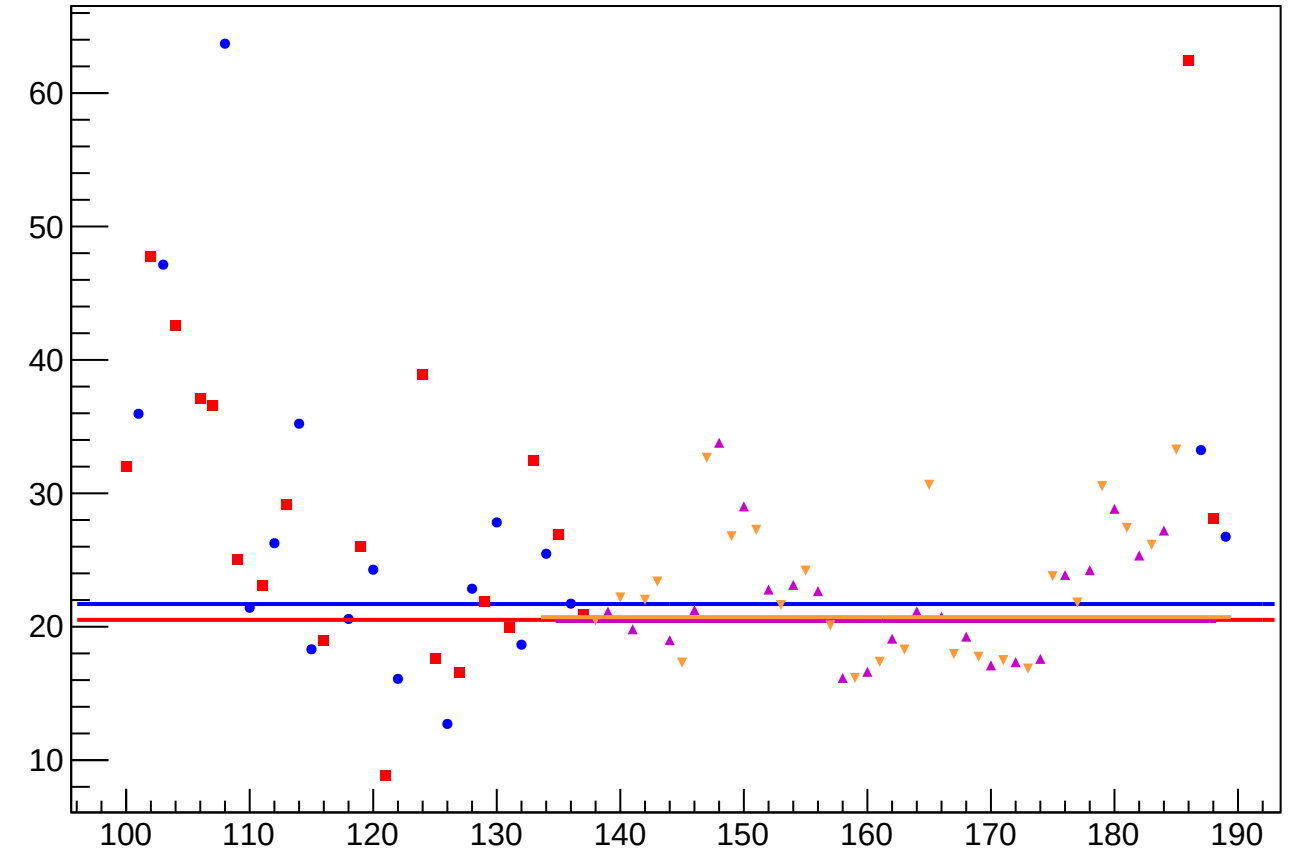
Right Out: 0.015+/-0.008 χ^2/NDF: 12.4/20

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.013+/-0.004 χ^2/NDF: 63.3/42

All: 0.009+/-0.003 χ^2/NDF: 97.6/86

- sign 0.005+/-0.004 χ^2/NDF: 32.5/43



Right In: 21.702+/-0.006 χ^2/NDF: 1561481.9/17

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

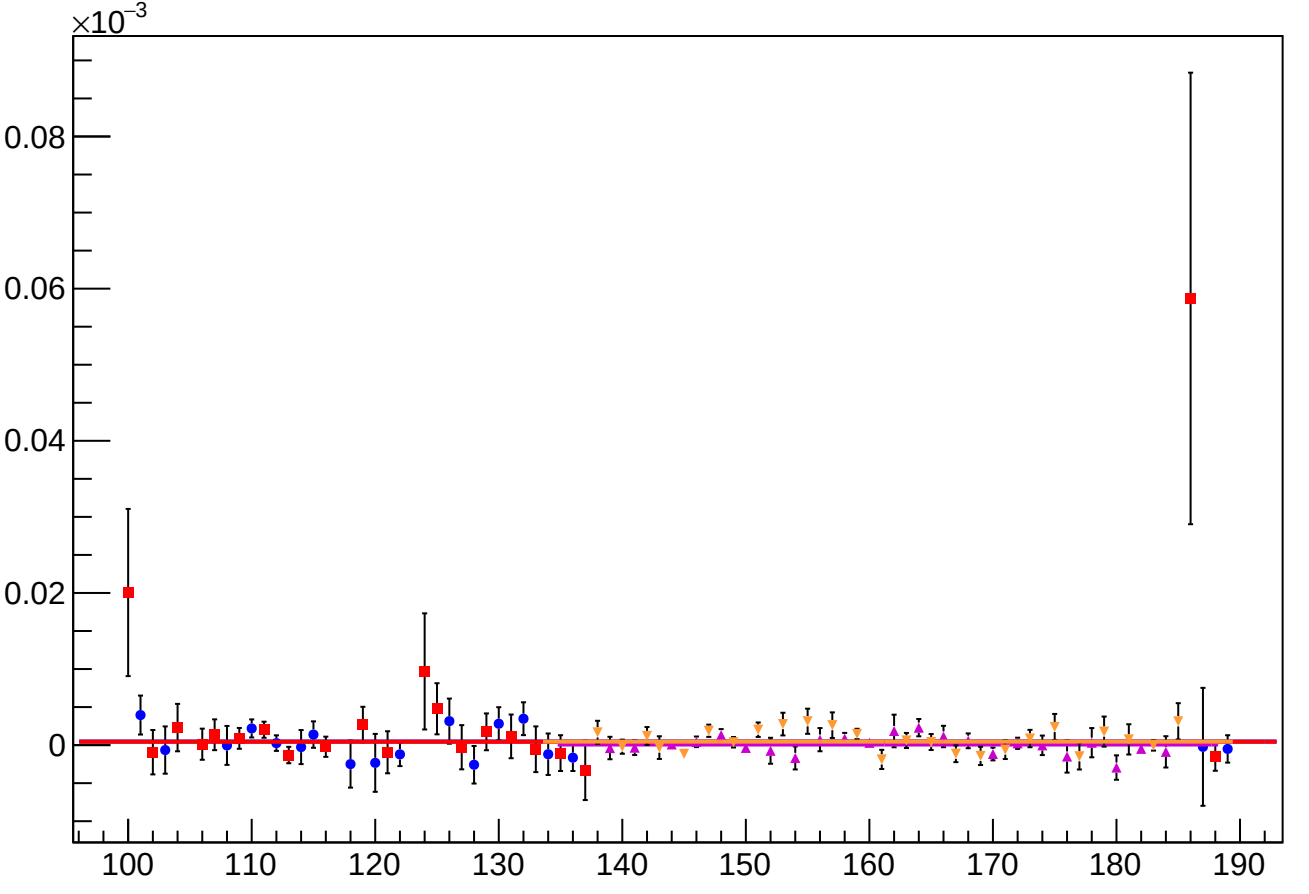
Right Out: 20.516+/-0.006 χ^2/NDF: 2935759.4/20

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

+ sign 20.967+/-0.003 χ^2/NDF: 3088520.9/42

All: 20.709+/-0.002 χ^2/NDF: 7213383.6/86

- sign 20.453+/-0.003 χ^2/NDF: 4109882.7/43



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:36.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/20

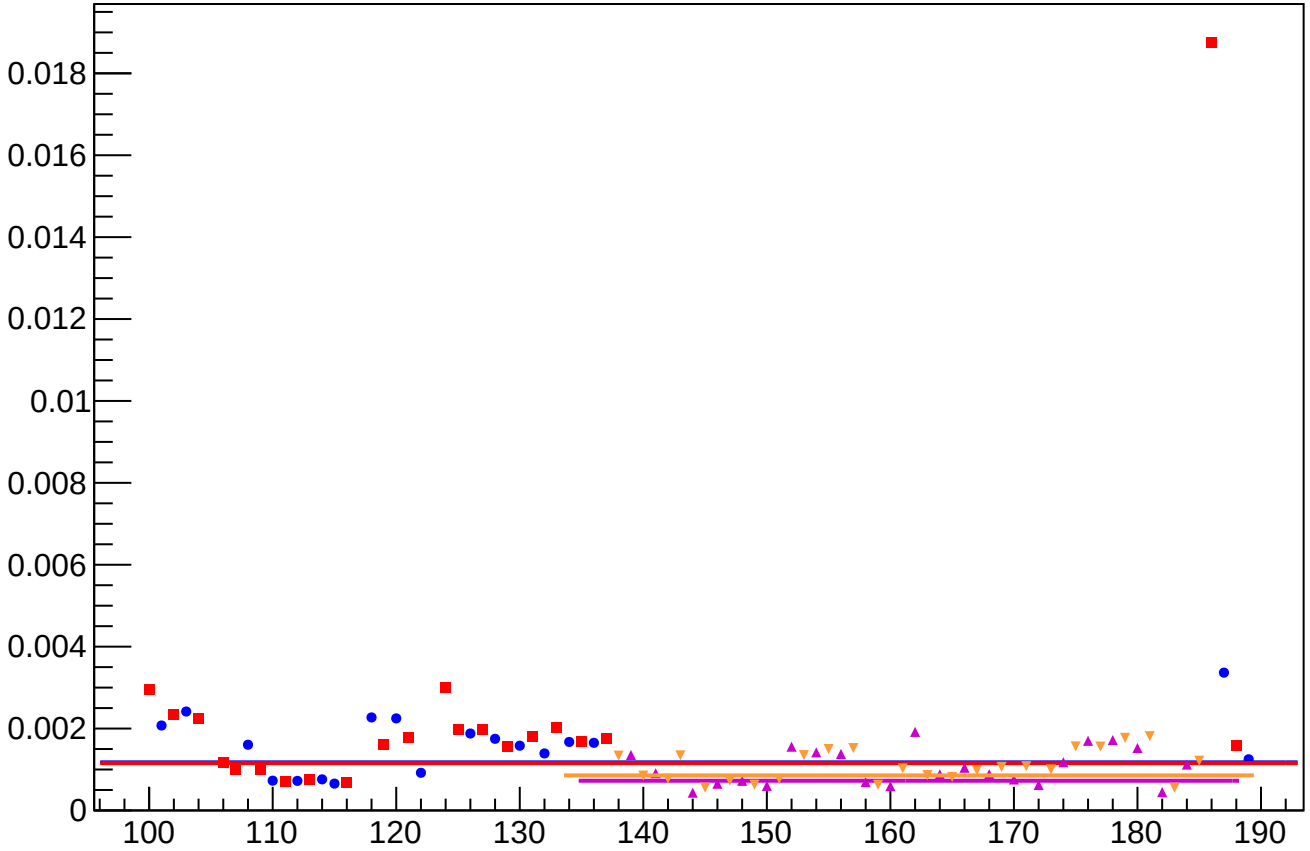
Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.5/42

All: 0.000+/-0.000 χ^2/NDF: 93.6/86

- sign 0.000+/-0.000 χ^2/NDF: 40.5/43

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 2699605.0/17

Left Out: 0.001+/-0.000 χ^2/NDF:4439075.2/24

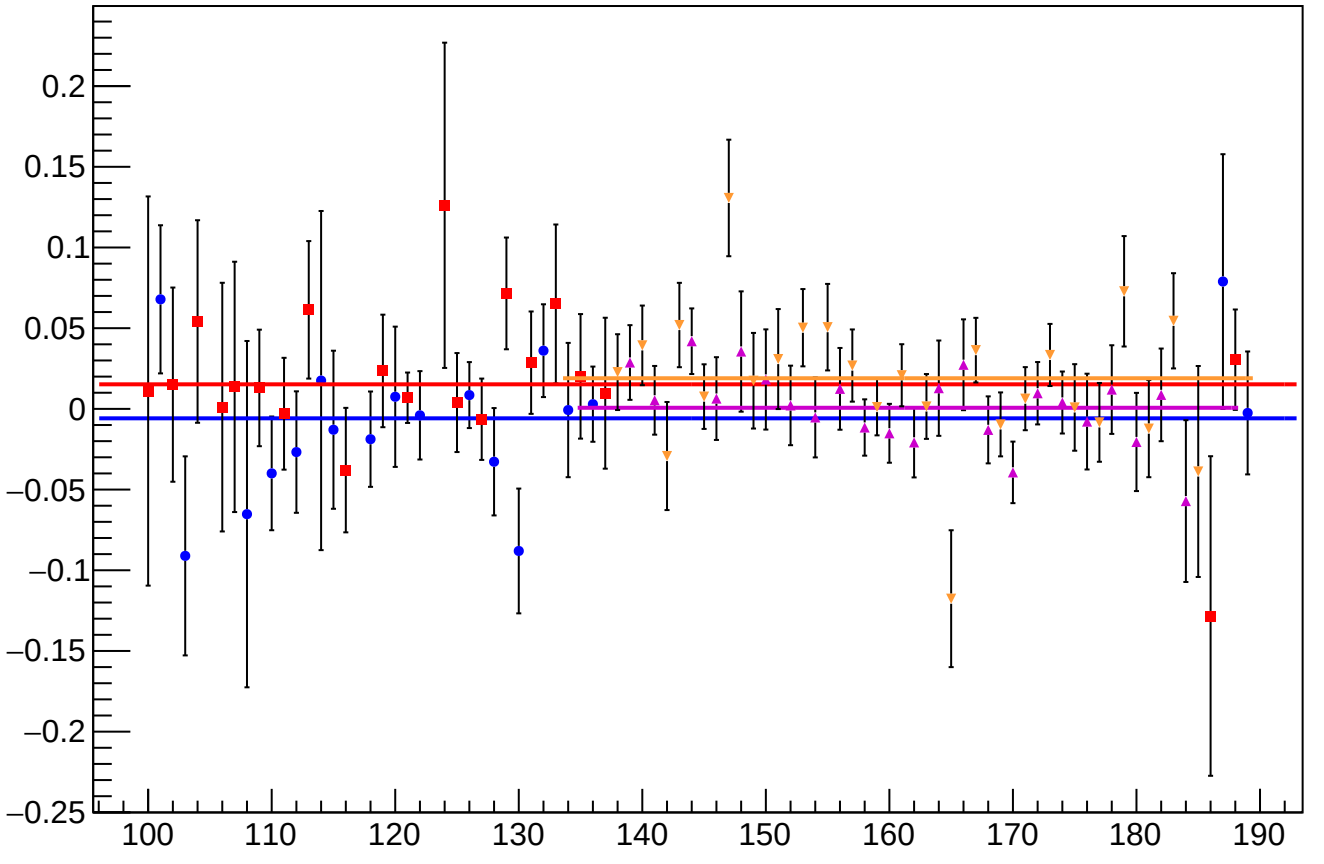
Right Out: 0.001+/-0.000 χ^2/NDF: 3446475.1/20

Left In: 0.001+/-0.000 χ^2/NDF:5805288.5/22

+ sign 0.001+/-0.000 χ^2/NDF: 7922713.7/42

All: 0.001+/-0.000 χ^2/NDF: 19208663.3/86

- sign 0.001+/-0.000 χ^2/NDF: 10846929.3/43



Right In: -0.006+/-0.008 χ^2/NDF: 15.5/17

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

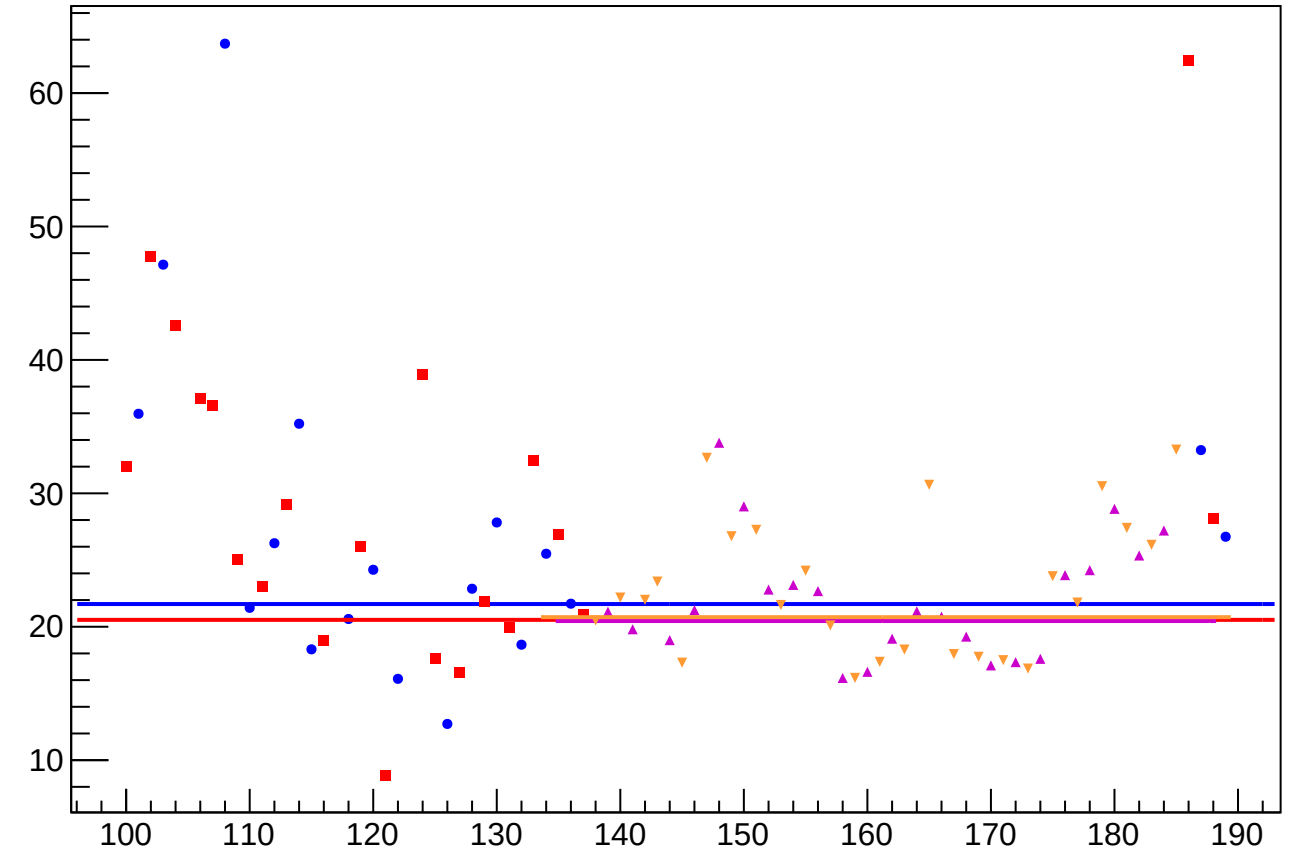
Right Out: 0.015+/-0.008 χ^2/NDF: 12.4/20

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.013+/-0.004 χ^2/NDF: 63.3/42

All: 0.009+/-0.003 χ^2/NDF: 97.6/86

- sign 0.005+/-0.004 χ^2/NDF: 32.5/43



Right In: 21.702+/-0.006 χ^2/NDF: 1561322.4/17

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

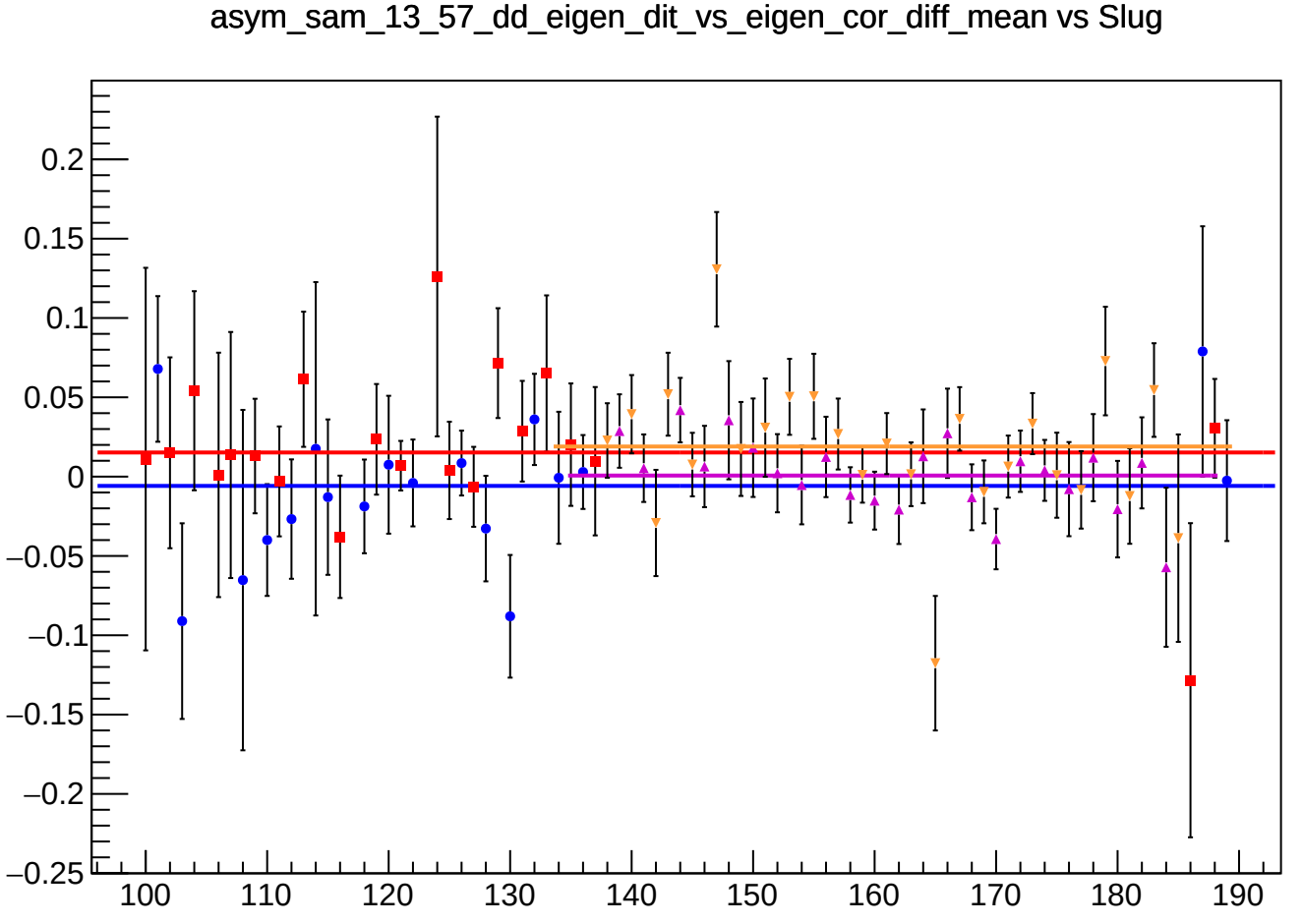
Right Out: 20.517+/-0.006 χ^2/NDF: 2935314.2/20

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

+ sign 20.967+/-0.003 χ^2/NDF: 3088478.3/42

All: 20.709+/-0.002 χ^2/NDF: 7212935.0/86

- sign 20.453+/-0.003 χ^2/NDF: 4109486.2/43



Right In: -0.006+/-0.008 χ^2/NDF: 15.5/17

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

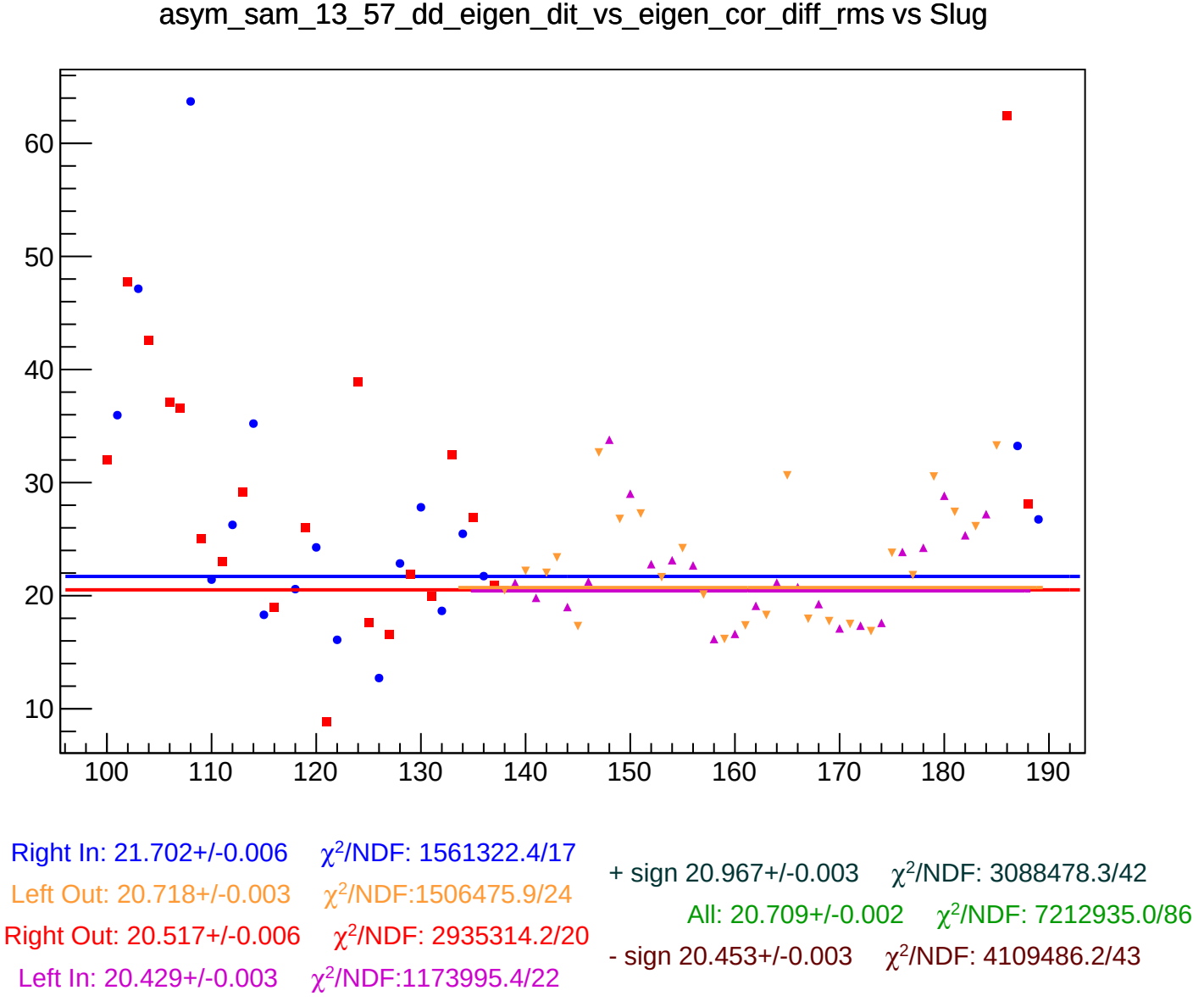
Right Out: 0.015+/-0.008 χ^2/NDF: 12.4/20

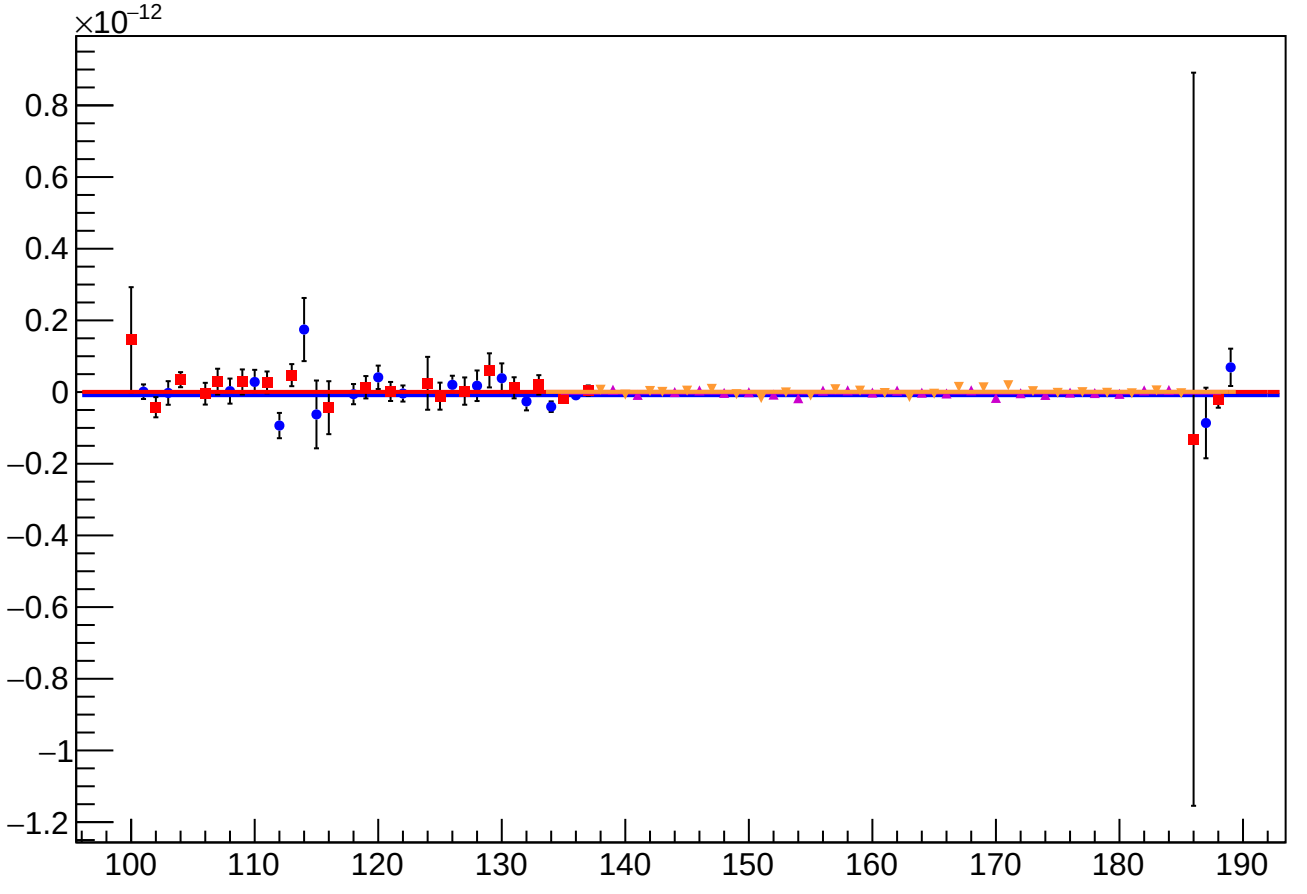
Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.013+/-0.004 χ^2/NDF: 63.3/42

All: 0.009+/-0.003 χ^2/NDF: 97.6/86

- sign 0.005+/-0.004 χ^2/NDF: 32.5/43


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
190
Right In: 21.702+/-0.006 χ²/NDF: 1561322.4/17
Left Out: 20.718+/-0.003 χ²/NDF:1506475.9/24
Right Out: 20.517+/-0.006 χ²/NDF: 2935314.2/20
Left In: 20.429+/-0.003 χ²/NDF:1173995.4/22
+ sign 20.967+/-0.003 χ²/NDF: 3088478.3/42
All: 20.709+/-0.002 χ²/NDF: 7212935.0/86
- sign 20.453+/-0.003 χ²/NDF: 4109486.2/43



Right In: -0.000+/-0.000 χ^2/NDF: 25.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:29.0/24

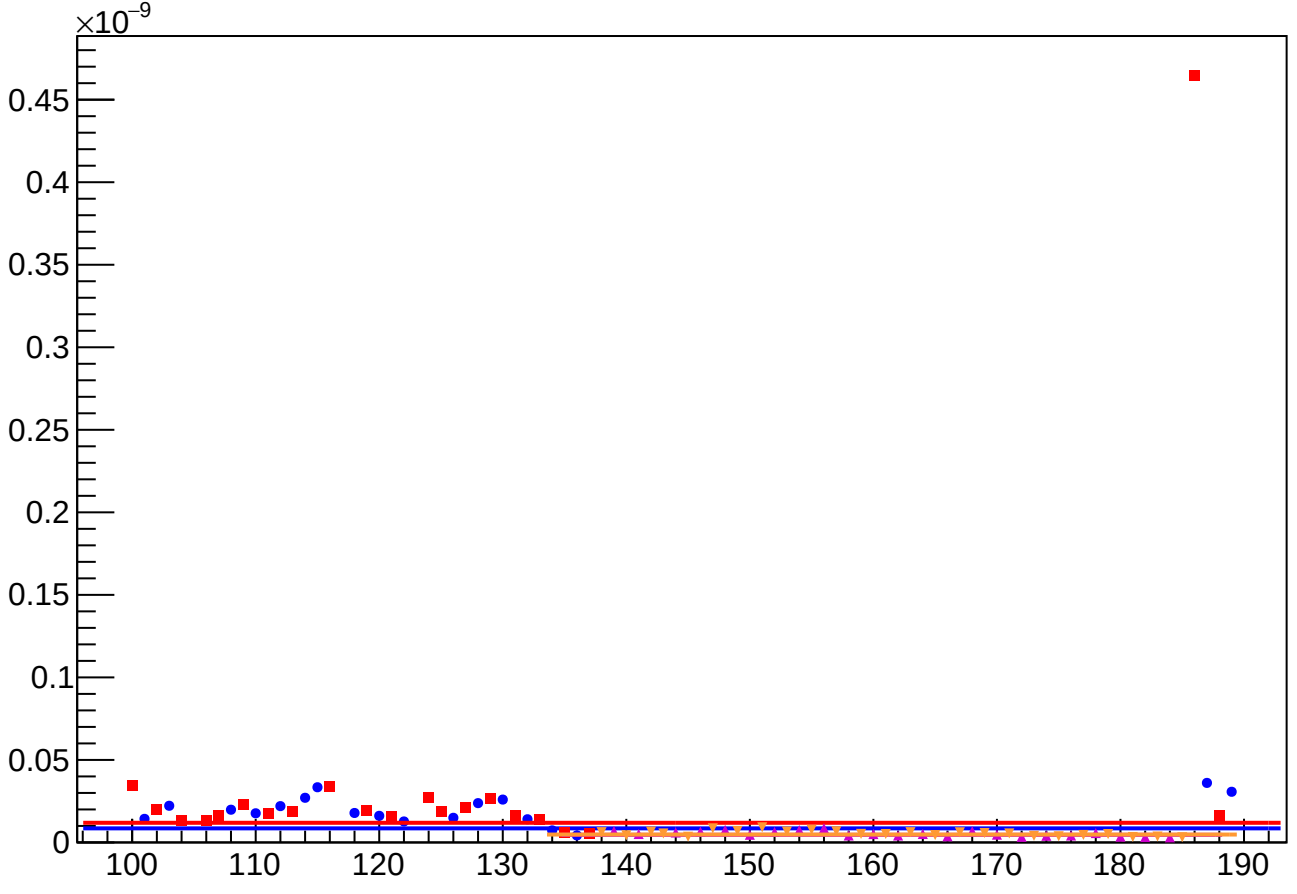
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/20

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 58.4/42

All: -0.000+/-0.000 χ^2/NDF: 97.6/86

- sign -0.000+/-0.000 χ^2/NDF: 38.6/43



Right In: 0.000+/-0.000 χ^2/NDF: 4255585.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:2118264.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3082098.2/20

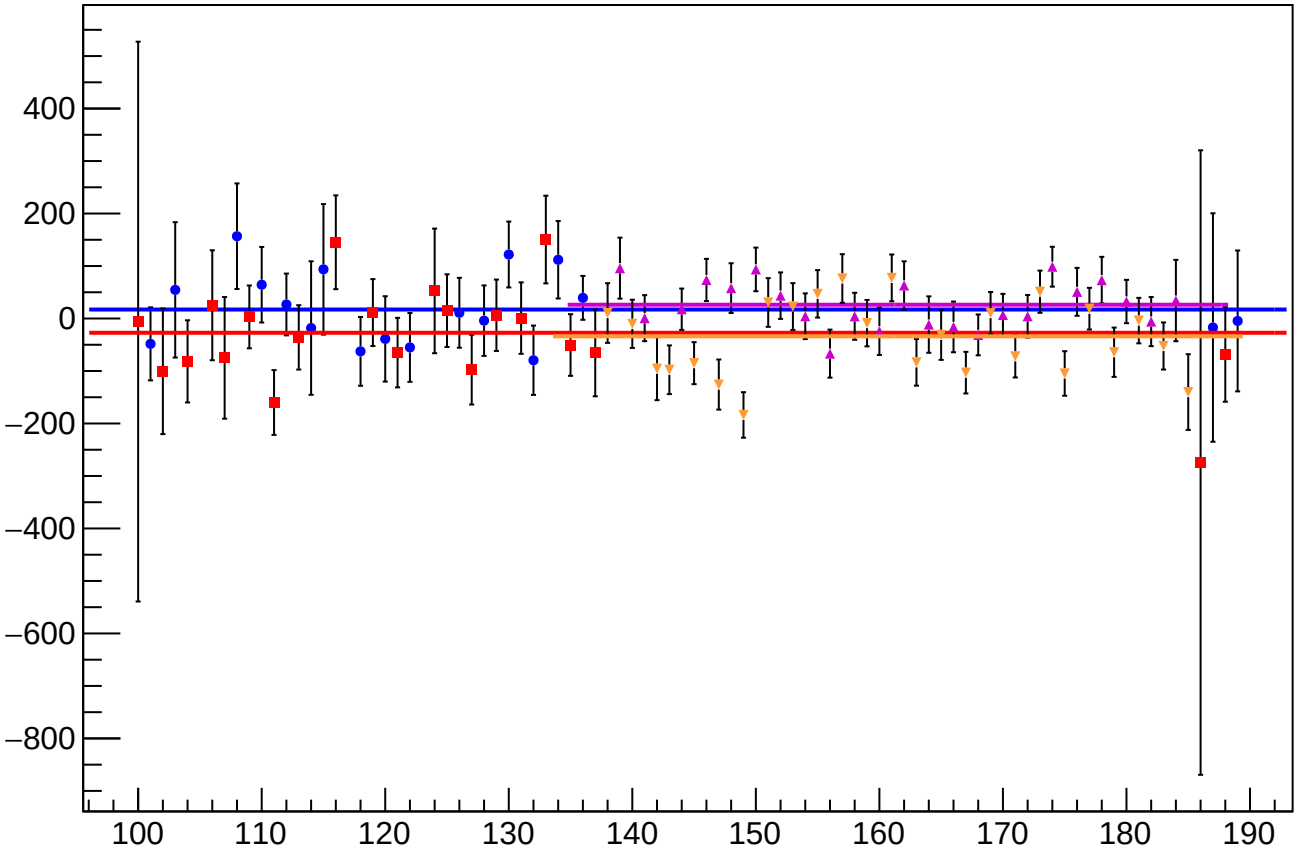
Left In: 0.000+/-0.000 χ^2/NDF:1908439.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 7660005.0/42

All: 0.000+/-0.000 χ^2/NDF: 15965278.7/86

- sign 0.000+/-0.000 χ^2/NDF: 8301331.2/43

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 17.111+/-17.269 χ^2/NDF: 14.0/17

Left Out: -33.956+/-8.993 χ^2/NDF:58.7/24

Right Out: -27.163+/-17.019 χ^2/NDF: 18.2/20

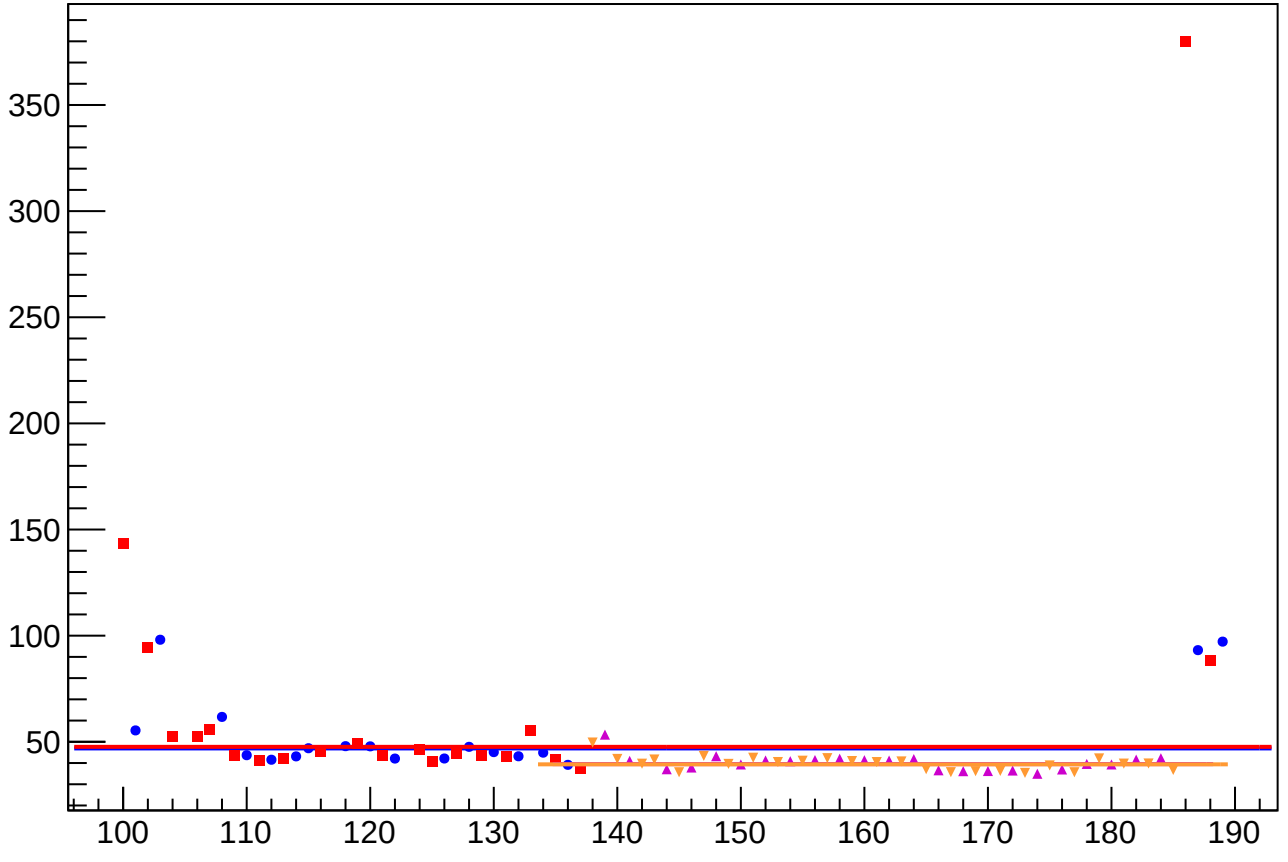
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -23.061+/-7.977 χ^2/NDF: 79.6/42

All: -4.891+/-5.698 χ^2/NDF: 138.5/86

- sign 14.039+/-8.142 χ^2/NDF: 48.3/43

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 46.878+/-0.012 χ^2/NDF: 881819.8/17

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

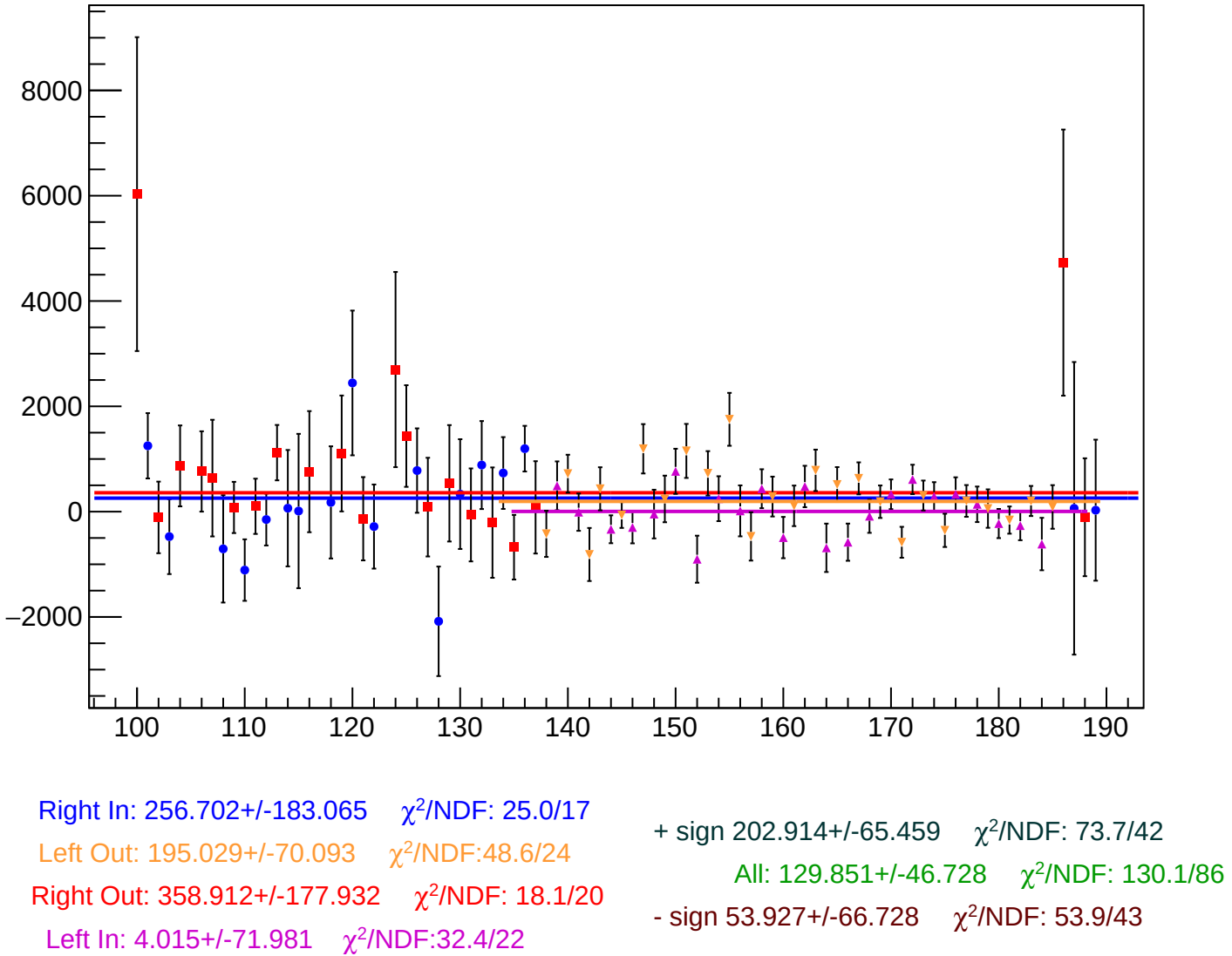
Right Out: 47.624+/-0.012 χ^2/NDF: 1587292.5/20

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

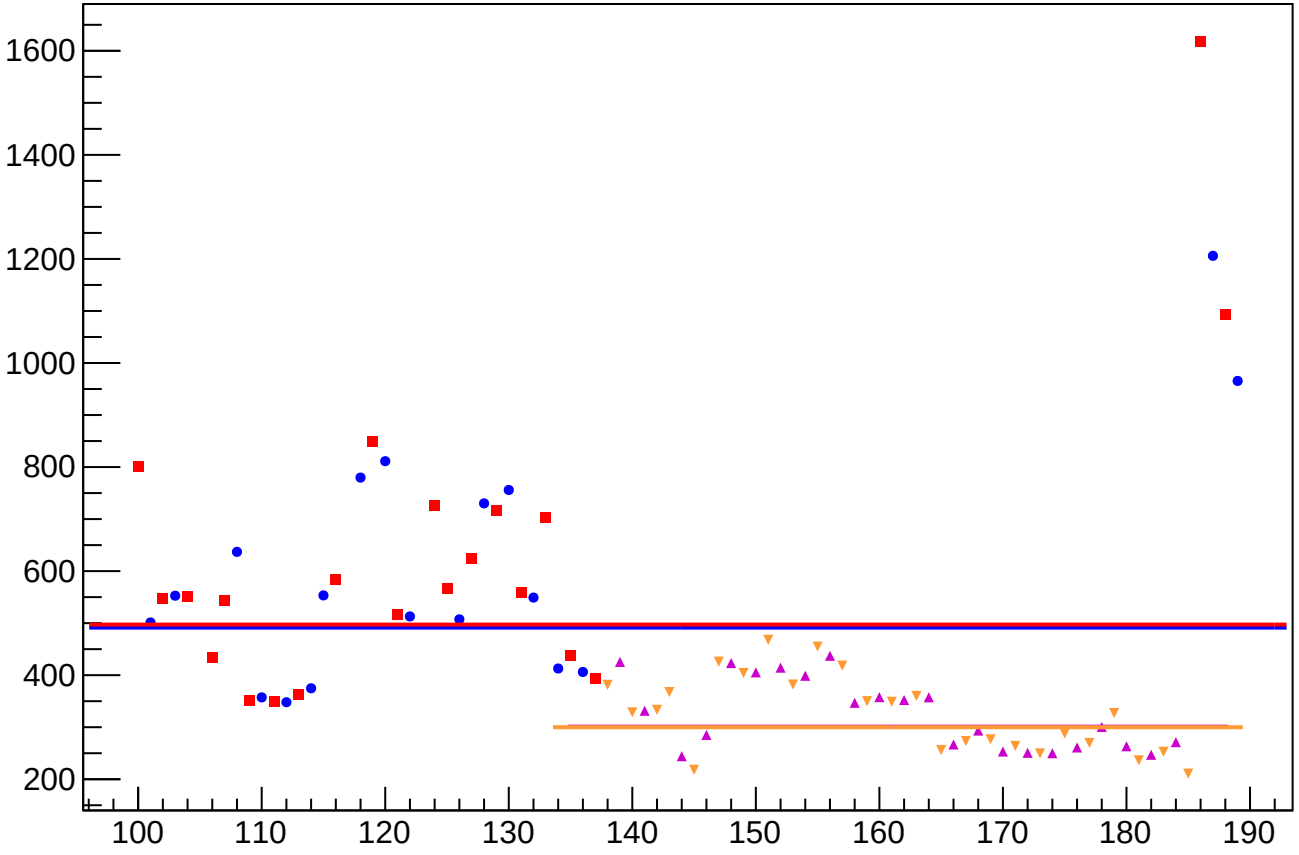
+ sign 40.982+/-0.006 χ^2/NDF: 1406990.4/42

All: 41.163+/-0.004 χ^2/NDF: 3600384.9/86

- sign 41.352+/-0.006 χ^2/NDF: 2191281.8/43


asym_sam_15_37_dd_reg_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
180
190
Right In: 256.702+/-183.065 χ²/NDF: 25.0/17
Left Out: 195.029+/-70.093 χ²/NDF:48.6/24
Right Out: 358.912+/-177.932 χ²/NDF: 18.1/20
Left In: 4.015+/-71.981 χ²/NDF:32.4/22
+ sign 202.914+/-65.459 χ²/NDF: 73.7/42
All: 129.851+/-46.728 χ²/NDF: 130.1/86
- sign 53.927+/-66.728 χ²/NDF: 53.9/43

asym_sam_15_37_dd_reg_correction_rms vs Slug



Right In: 491.424+/-0.129 χ^2/NDF: 1344501.8/17

Left Out: 299.976+/-0.050 χ^2/NDF:1808461.5/24

Right Out: 497.256+/-0.126 χ^2/NDF: 1995271.4/20

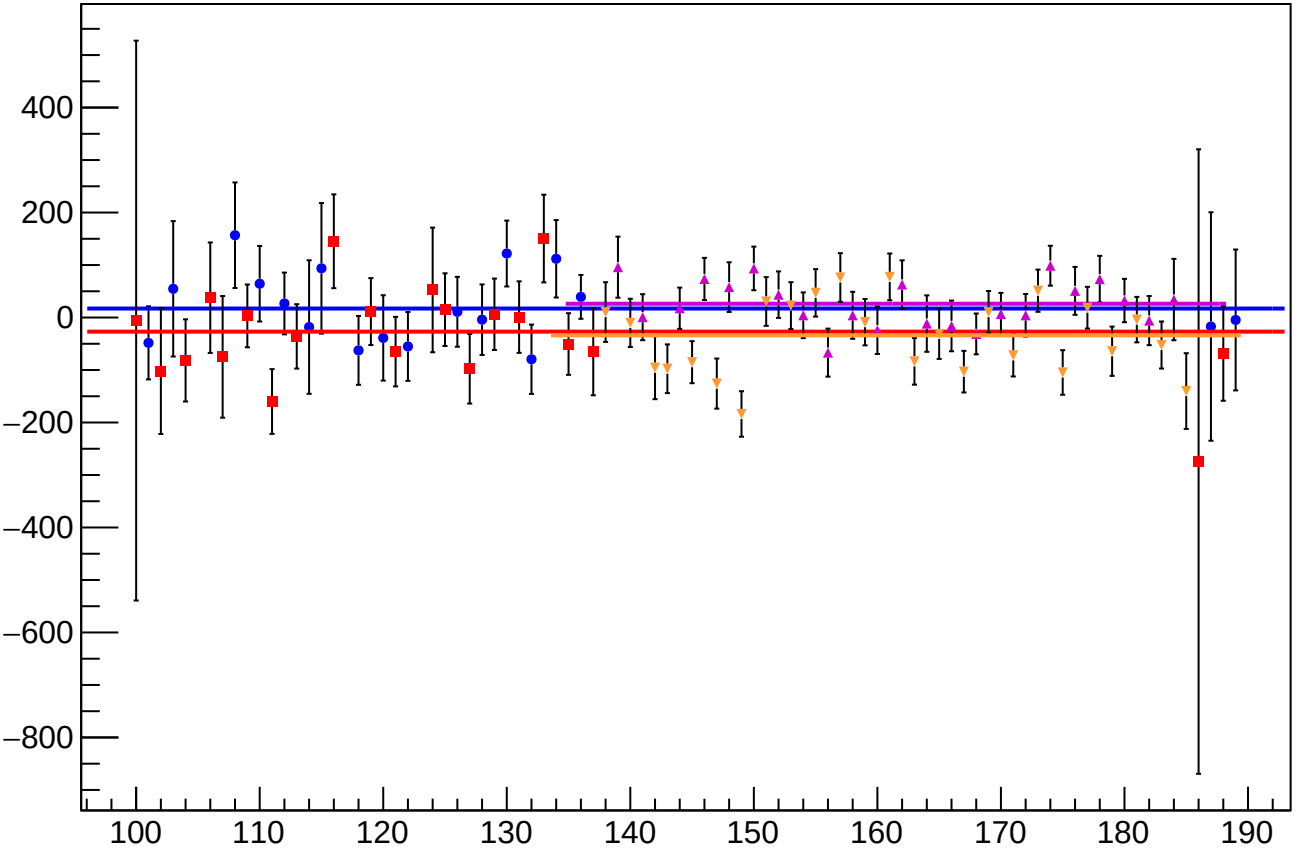
Left In: 301.000+/-0.051 χ^2/NDF:1407198.4/22

+ sign 324.454+/-0.046 χ^2/NDF: 5060652.0/42

All: 326.488+/-0.033 χ^2/NDF: 10558025.2/86

- sign 328.601+/-0.047 χ^2/NDF: 5493437.5/43

cor_asym_sam_15_37_dd_mean vs Slug



Right In: 17.116+/-17.269 χ^2/NDF: 14.0/17

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: -26.879+/-17.021 χ^2/NDF: 18.4/20

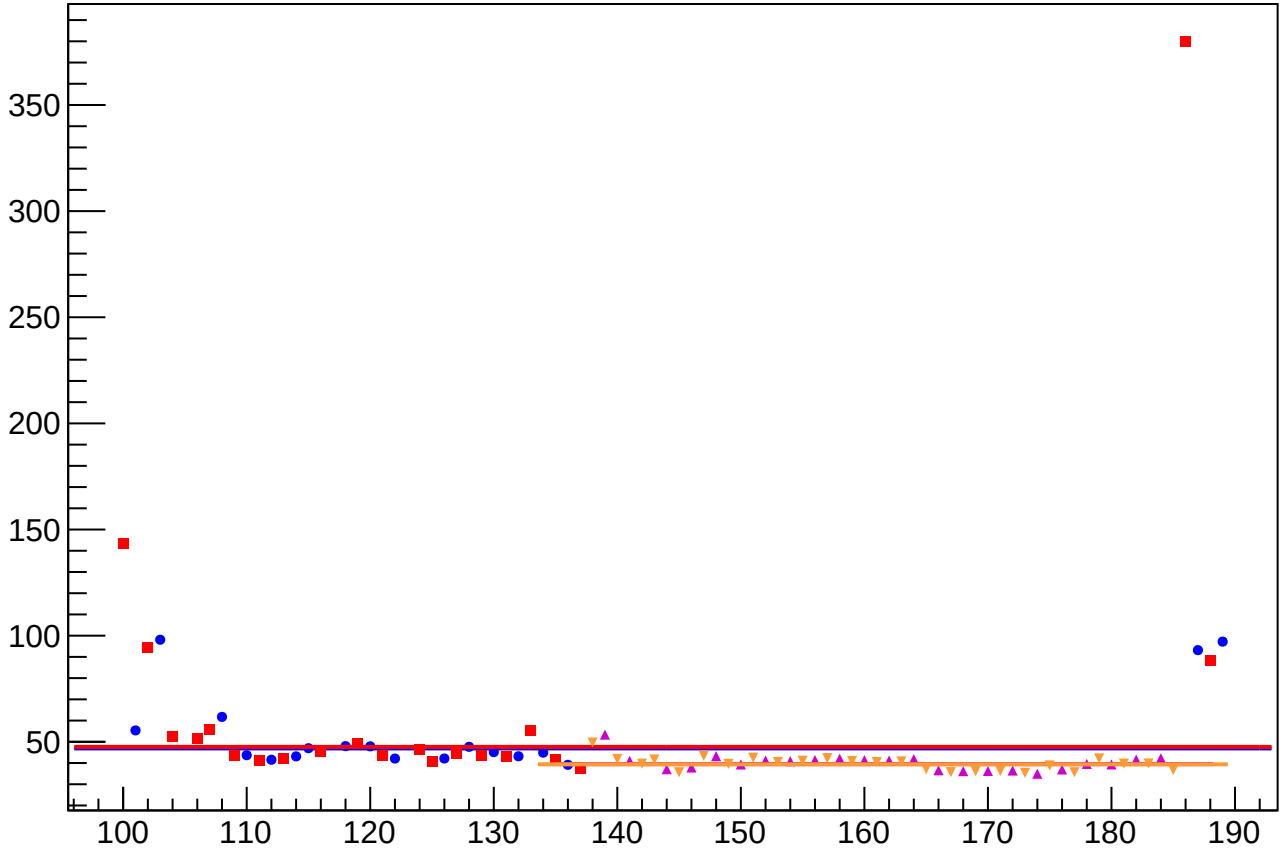
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -23.059+/-7.977 χ^2/NDF: 79.6/42

All: -4.858+/-5.698 χ^2/NDF: 138.6/86

- sign 14.107+/-8.142 χ^2/NDF: 48.4/43

cor_asym_sam_15_37_dd_rms vs Slug



Right In: 46.878+/-0.012 χ^2/NDF: 881822.9/17

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

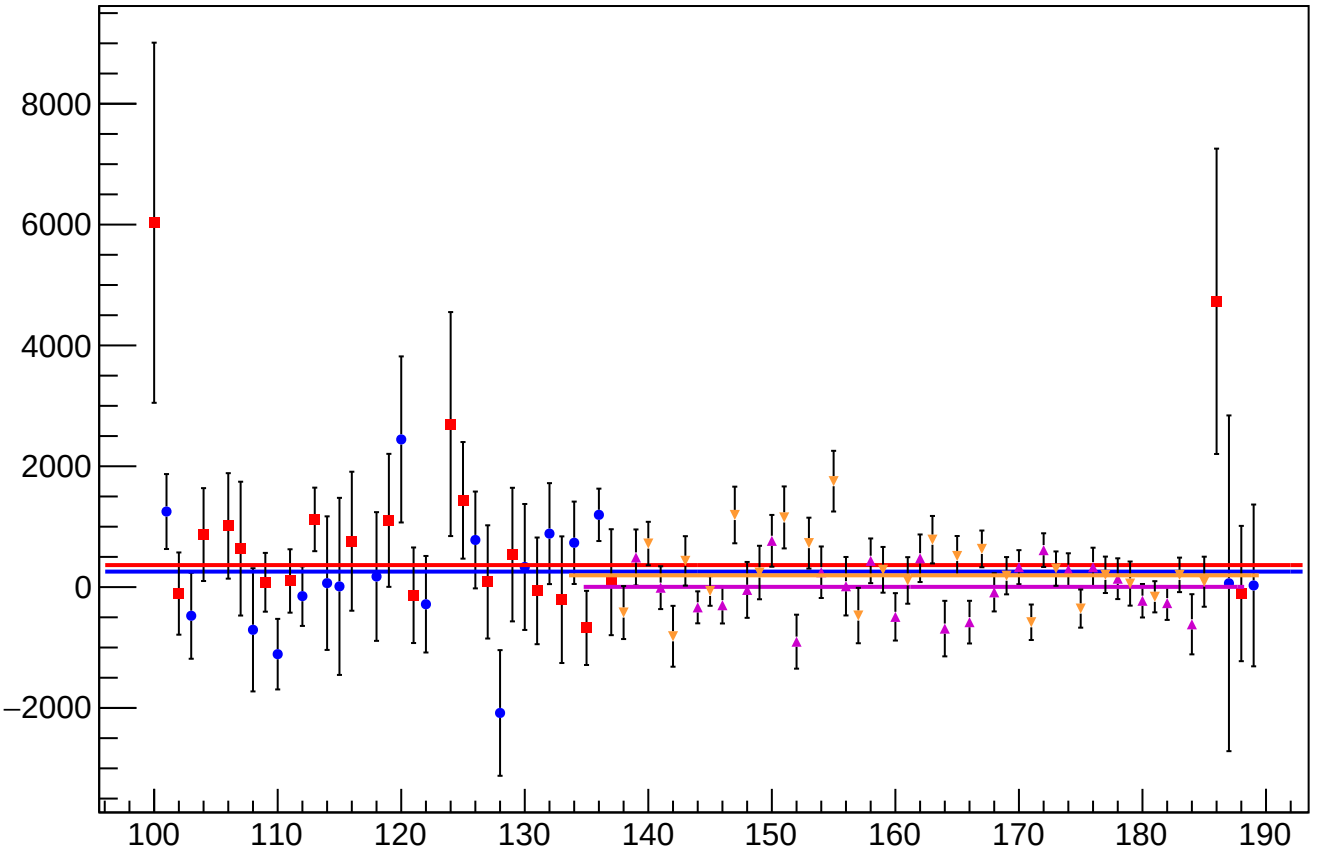
Right Out: 47.601+/-0.012 χ^2/NDF: 1586164.5/20

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 40.982+/-0.006 χ^2/NDF: 1406993.3/42

All: 41.160+/-0.004 χ^2/NDF: 3597179.0/86

- sign 41.347+/-0.006 χ^2/NDF: 2188135.5/43



Right In: 256.706+/-183.066 χ^2/NDF: 25.0/17

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

Right Out: 364.399+/-179.097 χ^2/NDF: 18.4/20

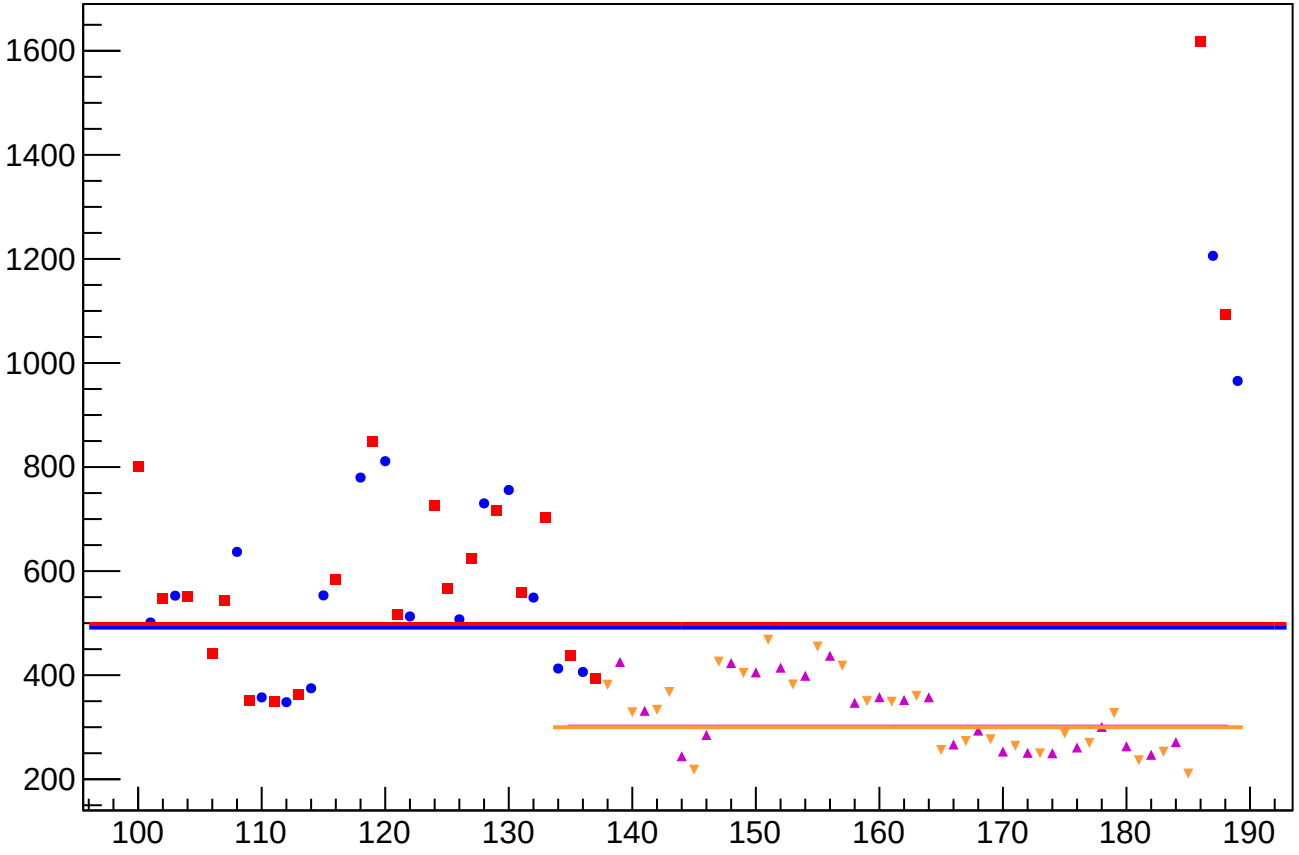
Left In: 4.014+/-71.981 χ^2/NDF:32.4/22

+ sign 202.914+/-65.459 χ^2/NDF: 73.7/42

All: 130.019+/-46.749 χ^2/NDF: 130.5/86

- sign 54.132+/-66.789 χ^2/NDF: 54.2/43

asym_sam_15_37_dd_cor_correction_rms vs Slug



Right In: 491.427+/-0.129 χ^2/NDF: 1344527.7/17

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 498.409+/-0.127 χ^2/NDF: 1989829.5/20

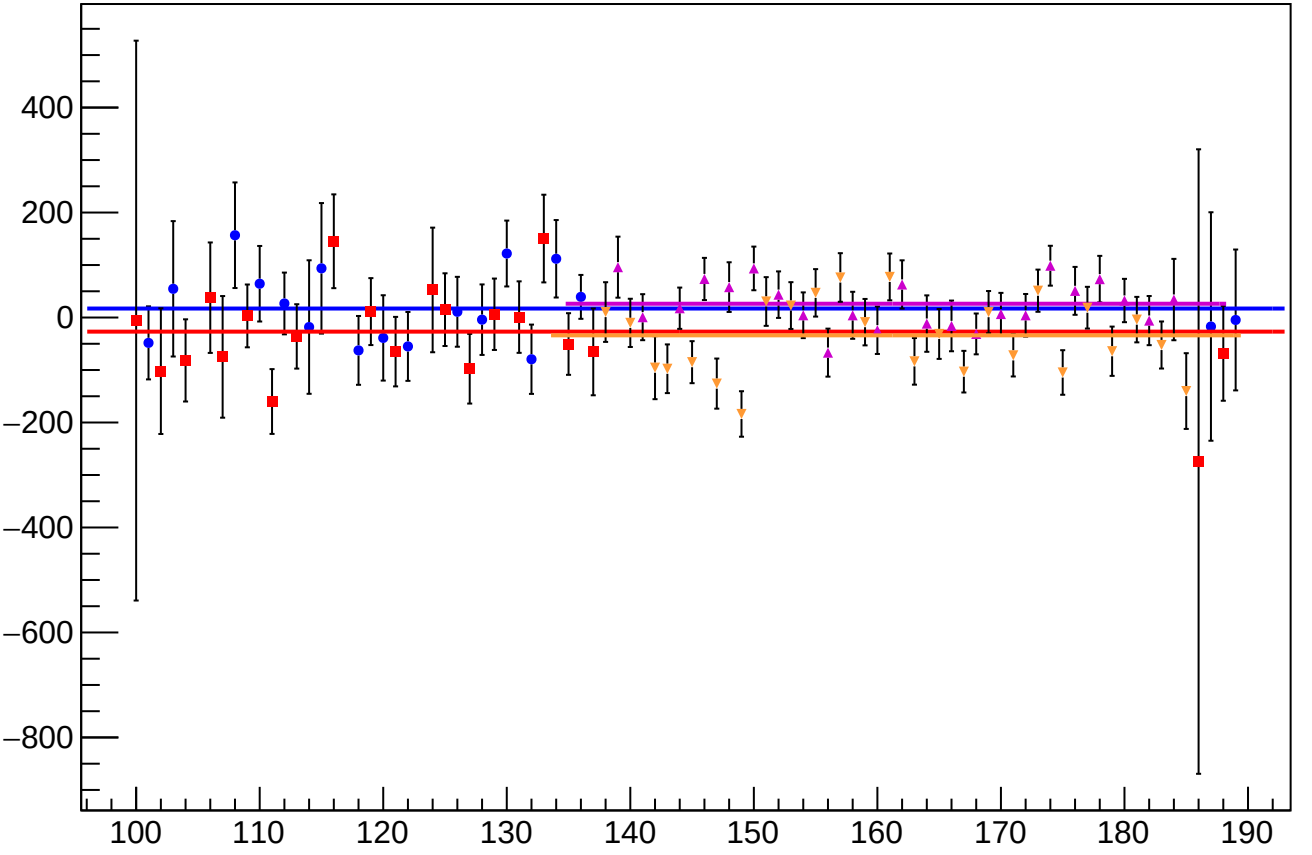
Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

+ sign 324.454+/-0.046 χ^2/NDF: 5060695.7/42

All: 326.413+/-0.033 χ^2/NDF: 10553368.4/86

- sign 328.453+/-0.047 χ^2/NDF: 5489016.6/43

eigen_cor_asym_sam_15_37_dd_mean vs Slug



Right In: 17.116+/-17.269 χ^2/NDF: 14.0/17

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: -26.879+/-17.021 χ^2/NDF: 18.4/20

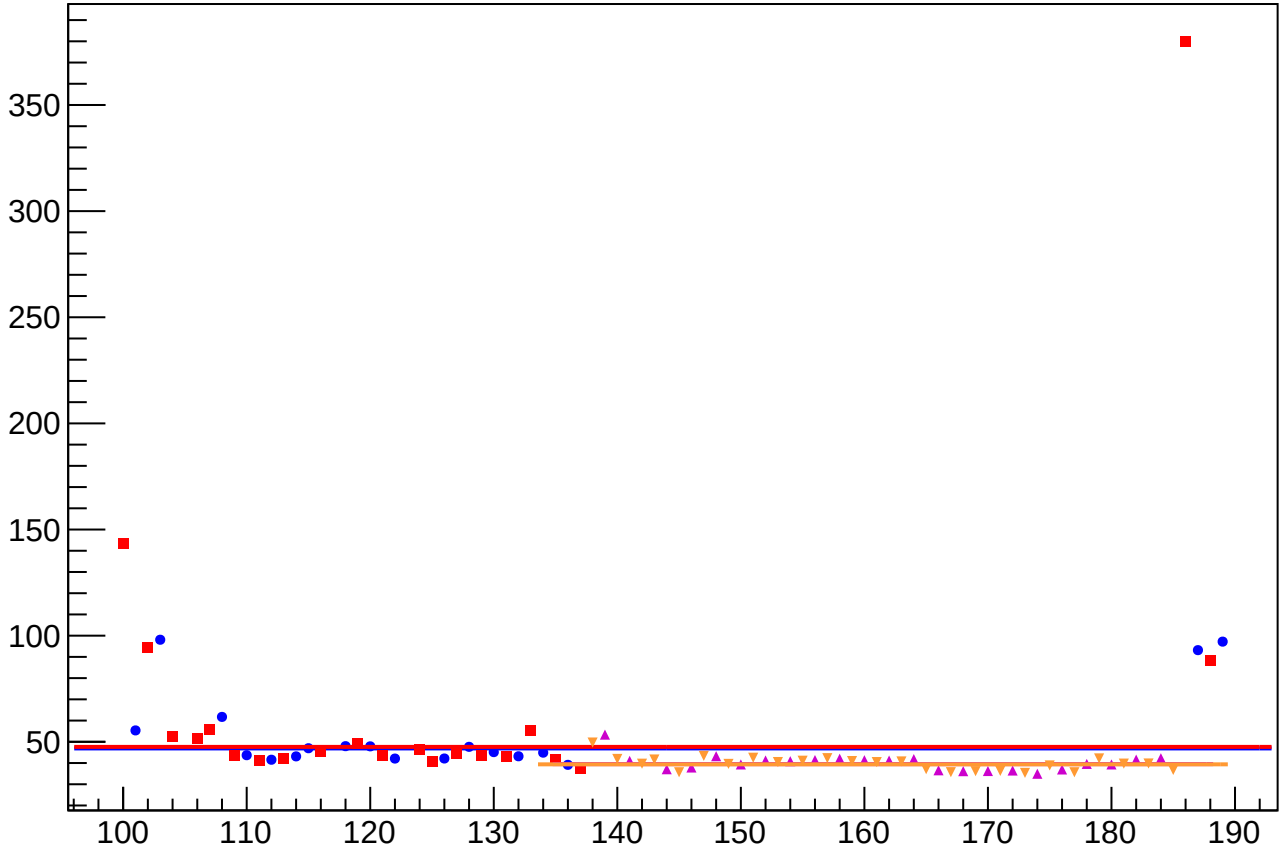
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -23.059+/-7.977 χ^2/NDF: 79.6/42

All: -4.858+/-5.698 χ^2/NDF: 138.6/86

- sign 14.107+/-8.142 χ^2/NDF: 48.4/43

eigen_cor_asym_sam_15_37_dd_rms vs Slug



Right In: 46.878+/-0.012 χ^2/NDF: 881822.9/17

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

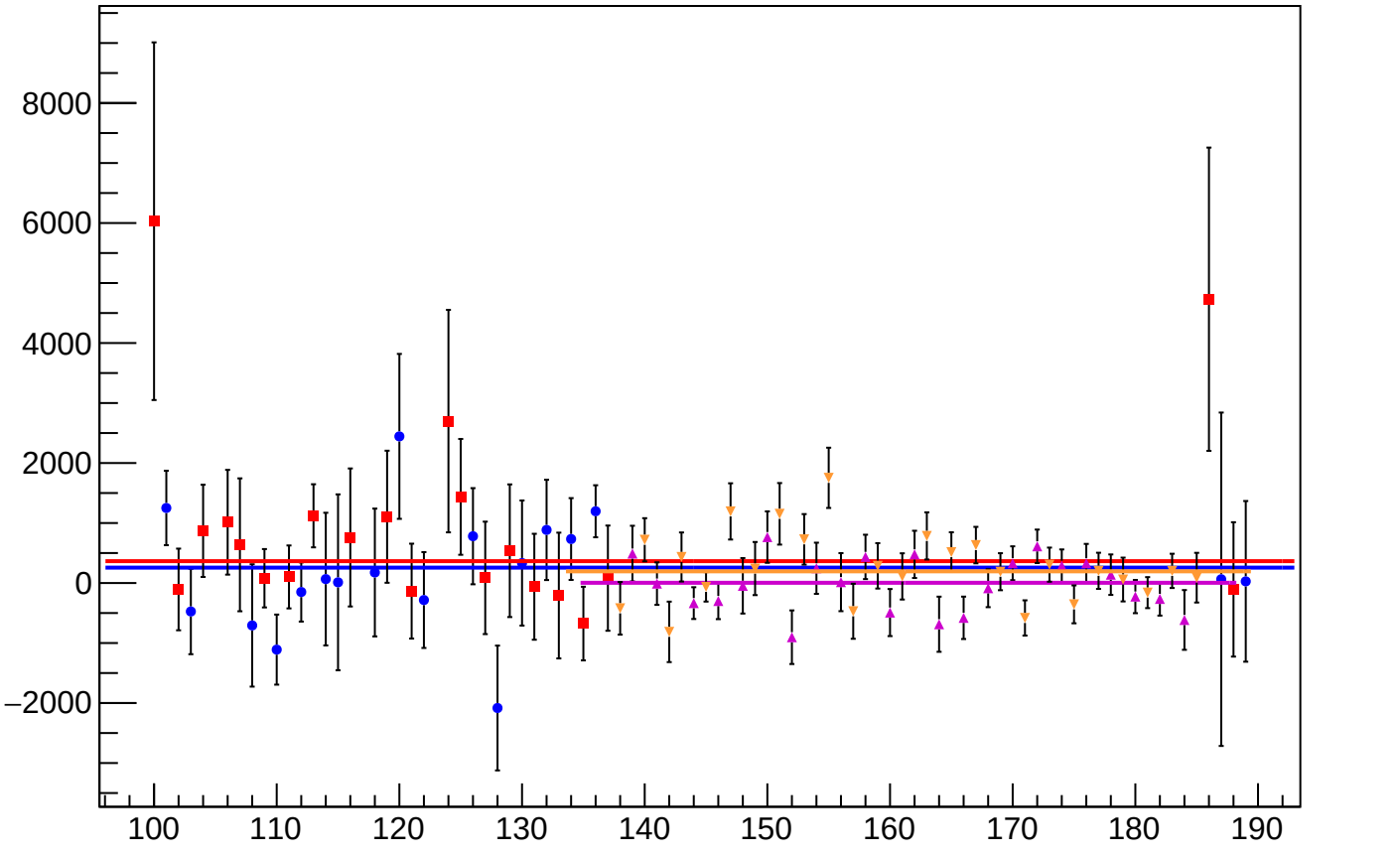
Right Out: 47.601+/-0.012 χ^2/NDF: 1586164.5/20

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 40.982+/-0.006 χ^2/NDF: 1406993.3/42

All: 41.160+/-0.004 χ^2/NDF: 3597179.0/86

- sign 41.347+/-0.006 χ^2/NDF: 2188135.5/43



Right In: 256.706+/-183.066 χ^2/NDF: 25.0/17

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

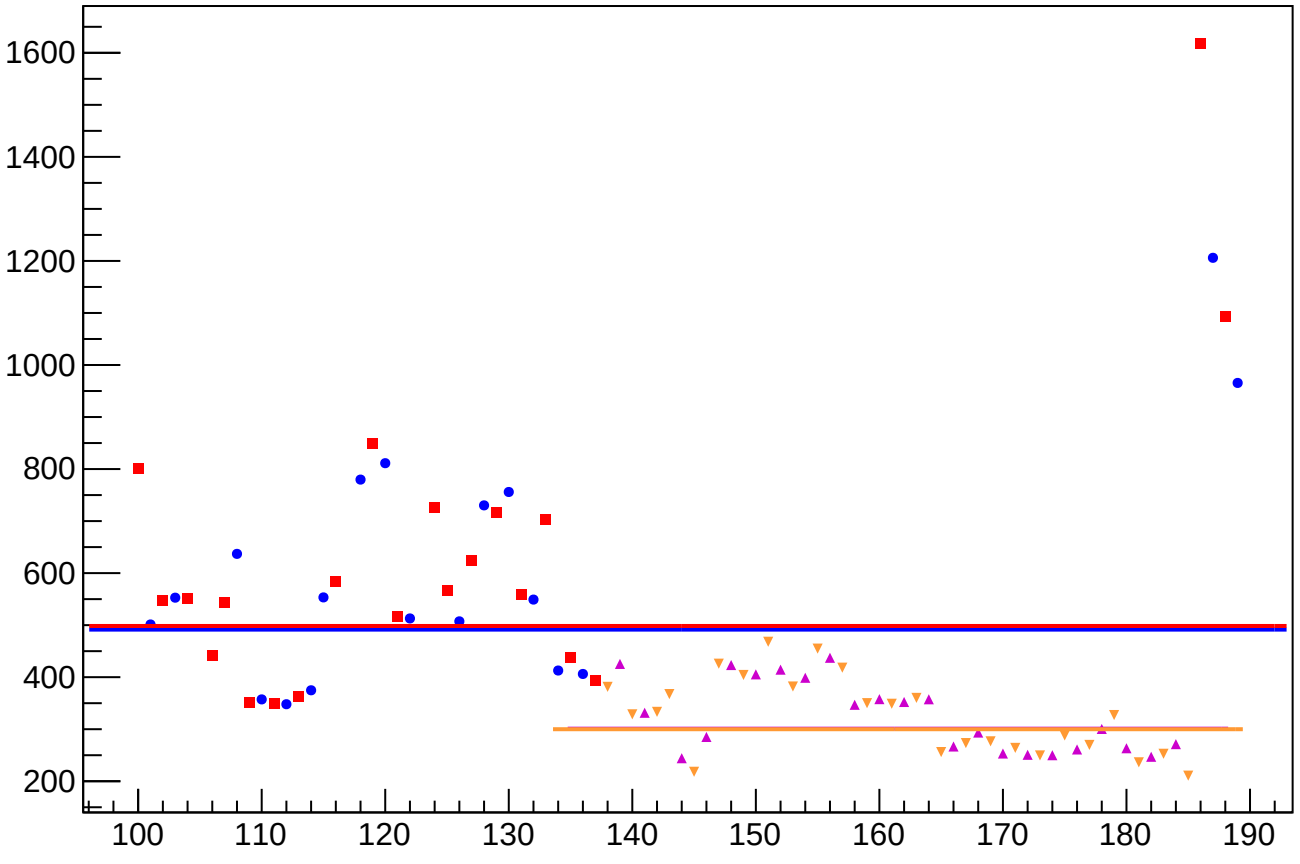
Right Out: 364.399+/-179.097 χ^2/NDF: 18.4/20

Left In: 4.014+/-71.981 χ^2/NDF:32.4/22

+ sign 202.914+/-65.459 χ^2/NDF: 73.7/42

All: 130.019+/-46.749 χ^2/NDF: 130.5/86

- sign 54.132+/-66.789 χ^2/NDF: 54.2/43



Right In: 491.427+/-0.129 χ^2/NDF: 1344527.7/17

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 498.409+/-0.127 χ^2/NDF: 1989829.5/20

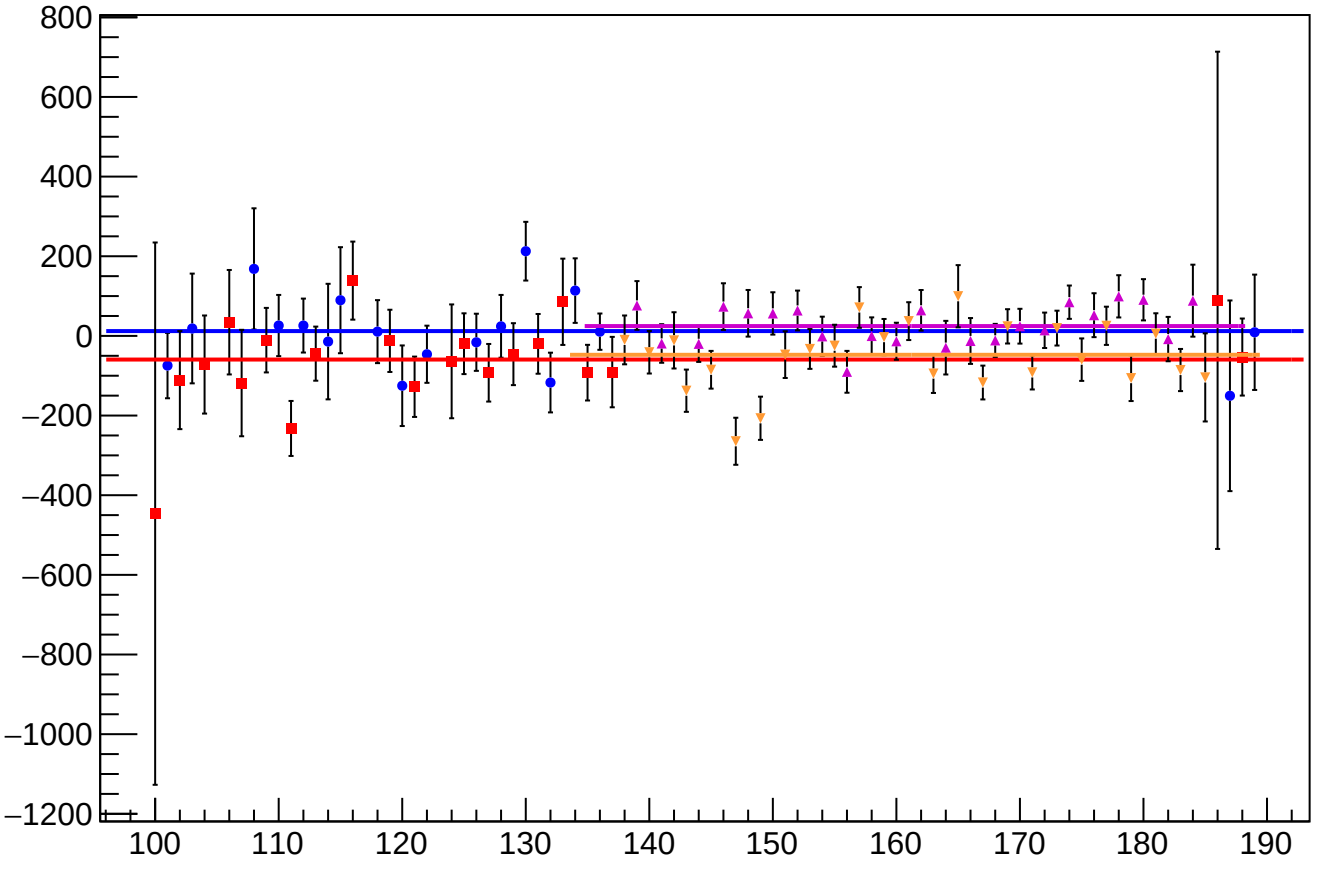
Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

+ sign 324.454+/-0.046 χ^2/NDF: 5060695.7/42

All: 326.413+/-0.033 χ^2/NDF: 10553368.4/86

- sign 328.453+/-0.047 χ^2/NDF: 5489016.6/43

dit_asym_sam_15_37_dd_mean vs Slug



Right In: 12.092+/-19.599 χ^2/NDF: 17.7/17

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: -59.379+/-19.795 χ^2/NDF: 16.2/20

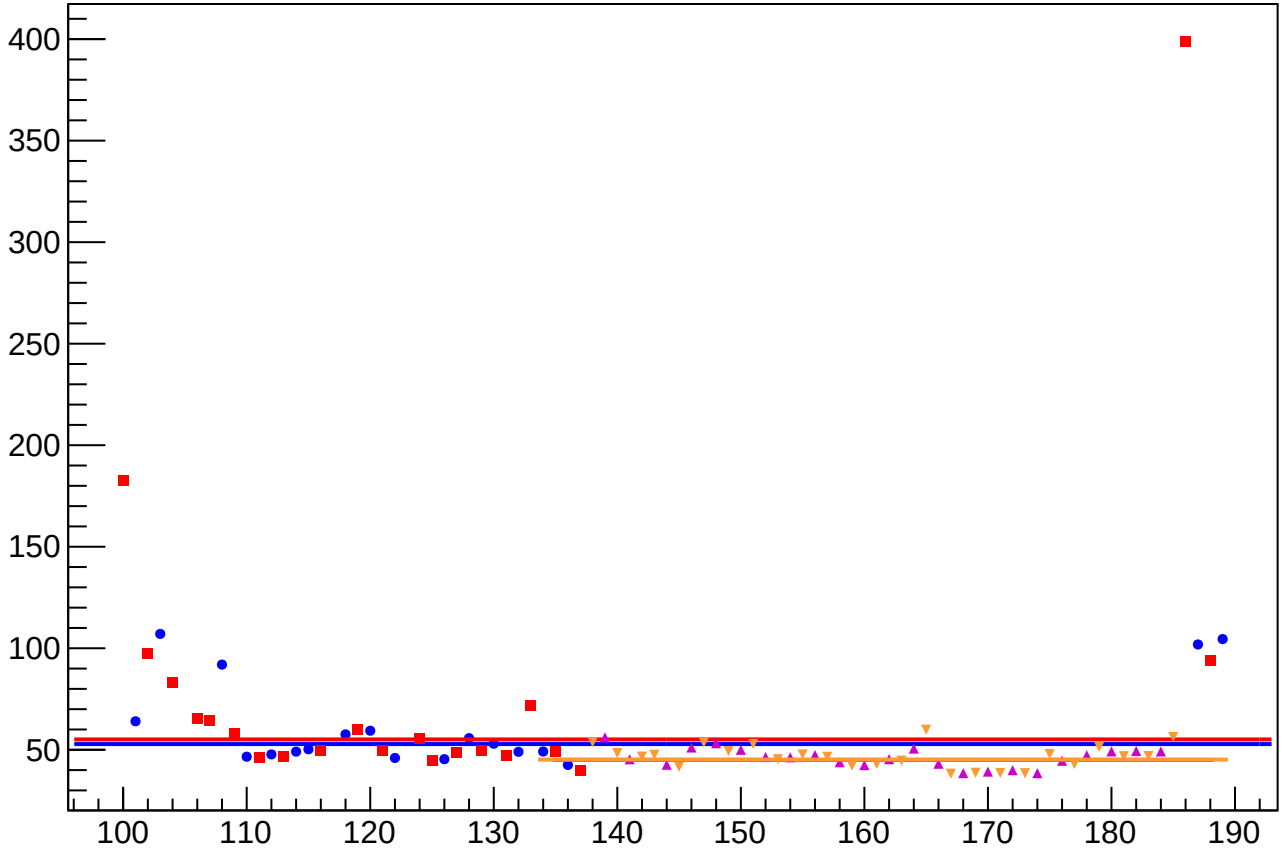
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

+ sign -34.407+/-9.181 χ^2/NDF: 79.6/42

All: -14.751+/-6.563 χ^2/NDF: 138.8/86

- sign 5.789+/-9.385 χ^2/NDF: 49.8/43

dit_asym_sam_15_37_dd_rms vs Slug



Right In: 52.815+/-0.014 χ^2/NDF: 1014814.6/17

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 55.109+/-0.014 χ^2/NDF: 1666468.1/20

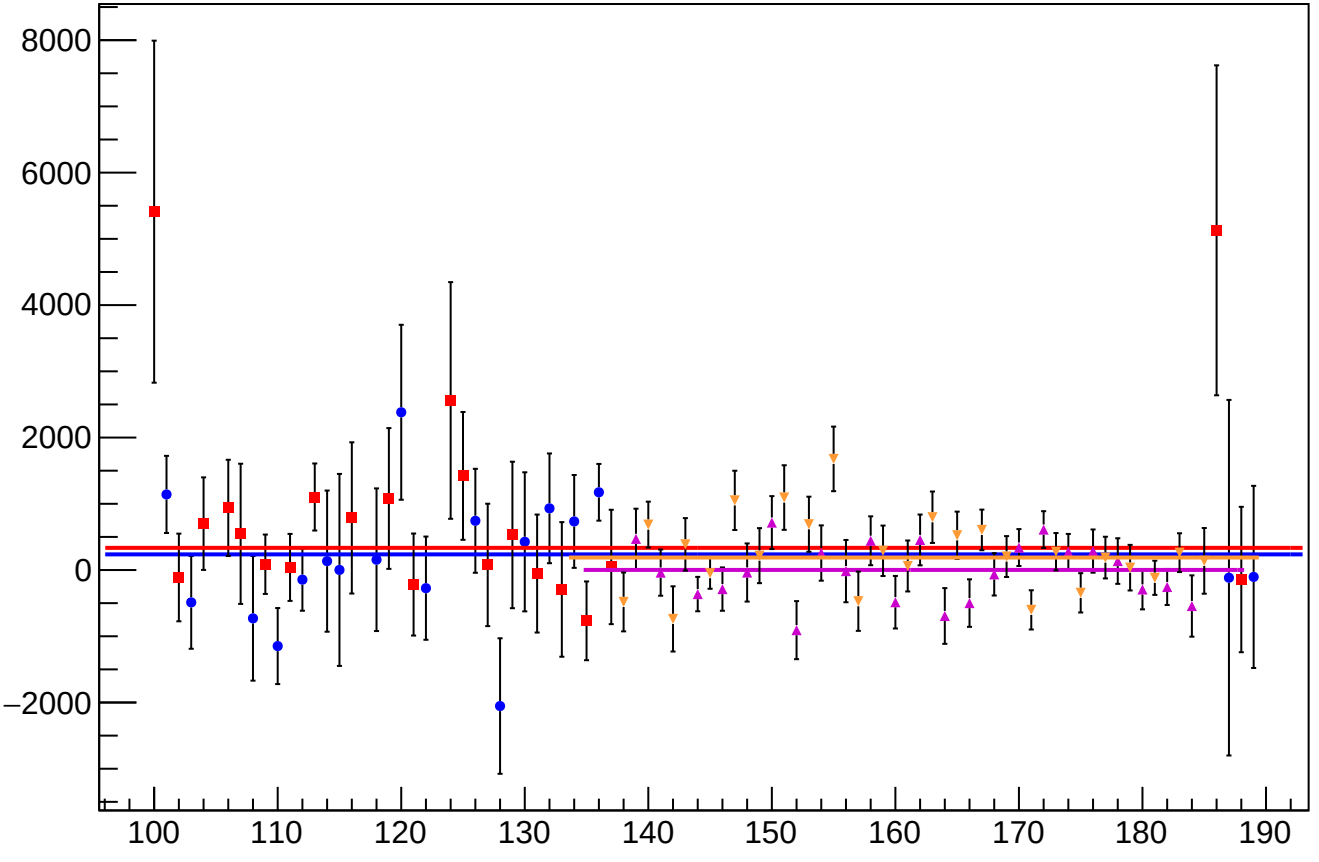
Left In: 45.017+/-0.008 χ^2/NDF:372690.8/22

+ sign 46.851+/-0.006 χ^2/NDF: 1741856.3/42

All: 47.064+/-0.005 χ^2/NDF: 4186126.0/86

- sign 47.286+/-0.007 χ^2/NDF: 2442079.8/43

asym_sam_15_37_dd_dit_correction_mean vs Slug



Right In: 236.342+/-178.928 χ^2/NDF: 25.7/17

Left Out: 188.812+/-69.714 χ^2/NDF:46.8/24

Right Out: 334.954+/-171.094 χ^2/NDF: 20.4/20

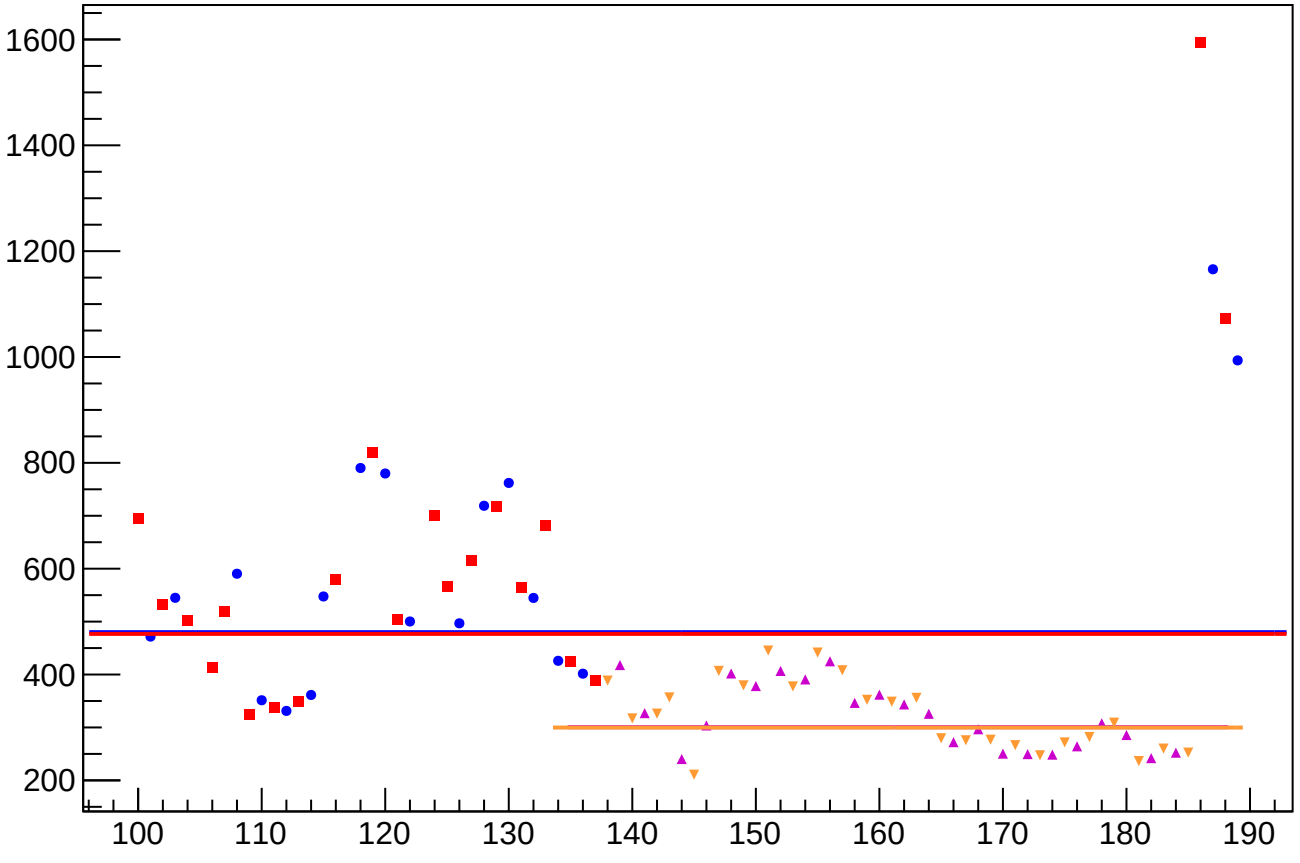
Left In: 1.655+/-71.712 χ^2/NDF:32.2/22

+ sign 195.077+/-64.957 χ^2/NDF: 72.5/42

All: 124.561+/-46.344 χ^2/NDF: 130.7/86

- sign 51.459+/-66.138 χ^2/NDF: 55.8/43

asym_sam_15_37_dd_dit_correction_rms vs Slug



Right In: 480.066+/-0.127 χ^2/NDF: 1401239.6/17

Left Out: 299.798+/-0.049 χ^2/NDF:1577420.4/24

Right Out: 476.812+/-0.121 χ^2/NDF: 2102103.0/20

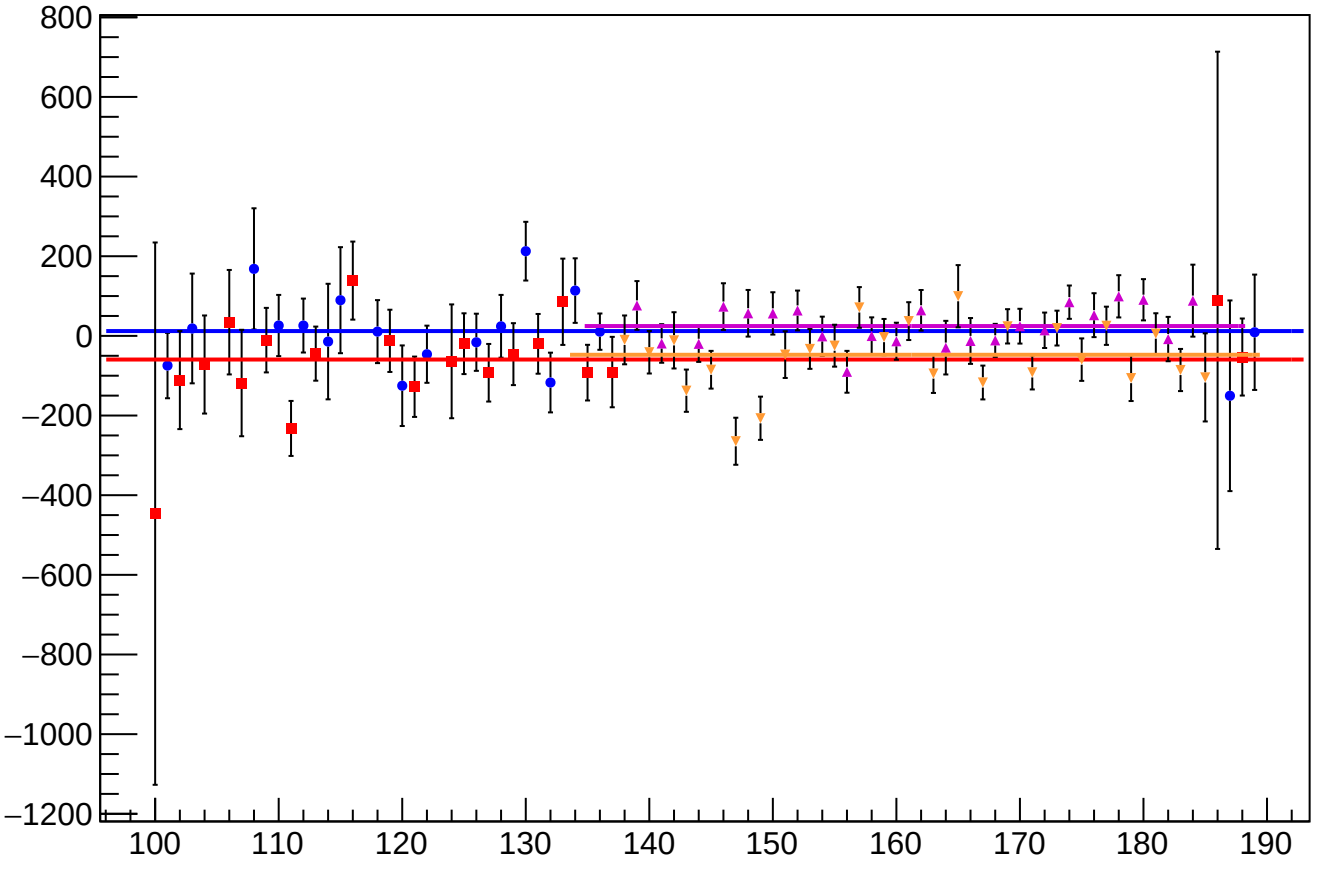
Left In: 300.544+/-0.051 χ^2/NDF:1259270.5/22

+ sign 323.557+/-0.046 χ^2/NDF: 4741160.8/42

All: 325.190+/-0.033 χ^2/NDF: 9910706.7/86

- sign 326.883+/-0.047 χ^2/NDF: 5166970.1/43

eigen_dit_asym_sam_15_37_dd_mean vs Slug



Right In: 12.092+/-19.599 χ^2/NDF: 17.7/17

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: -59.380+/-19.795 χ^2/NDF: 16.2/20

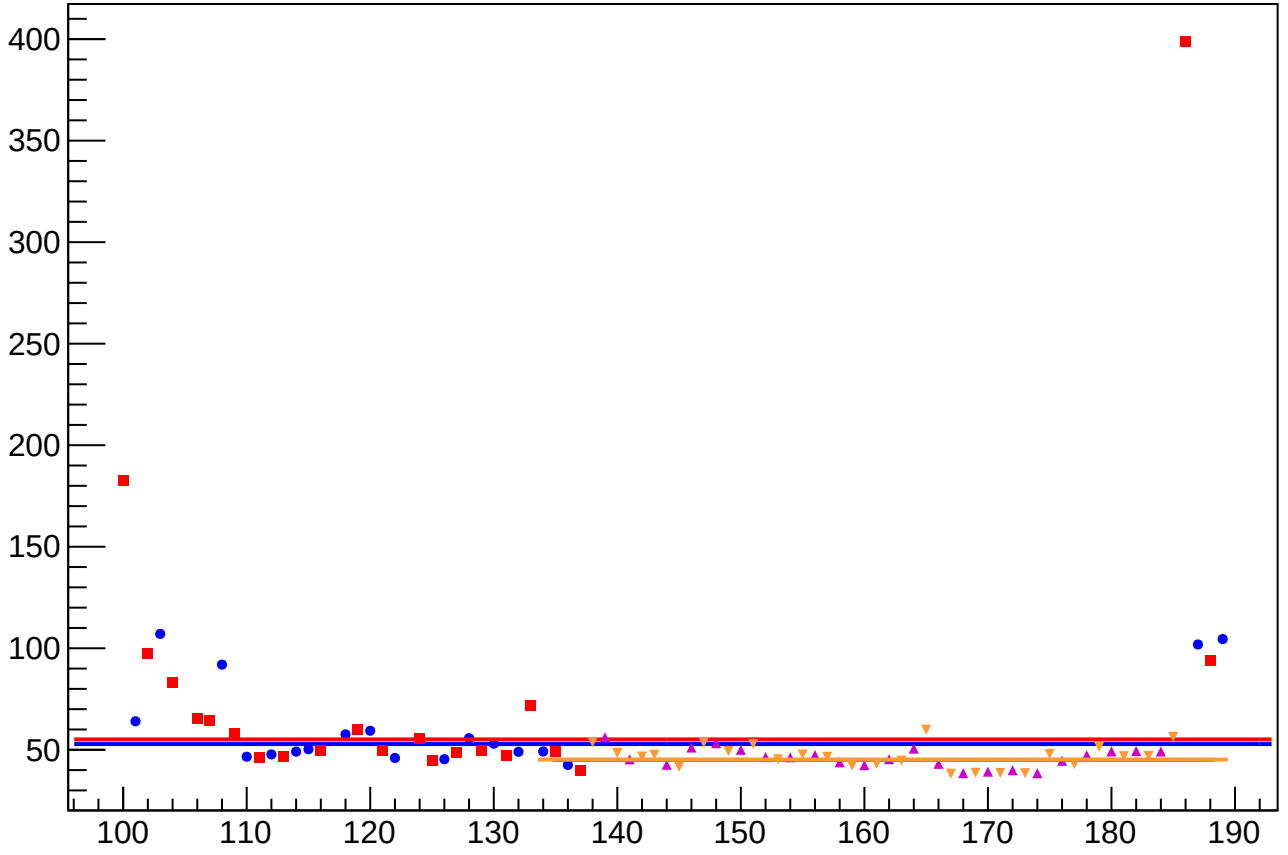
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

+ sign -34.407+/-9.181 χ^2/NDF: 79.6/42

All: -14.751+/-6.563 χ^2/NDF: 138.8/86

- sign 5.789+/-9.385 χ^2/NDF: 49.8/43

eigen_dit_asym_sam_15_37_dd_rms vs Slug



Right In: 52.815+/-0.014 χ^2/NDF: 1014823.3/17

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

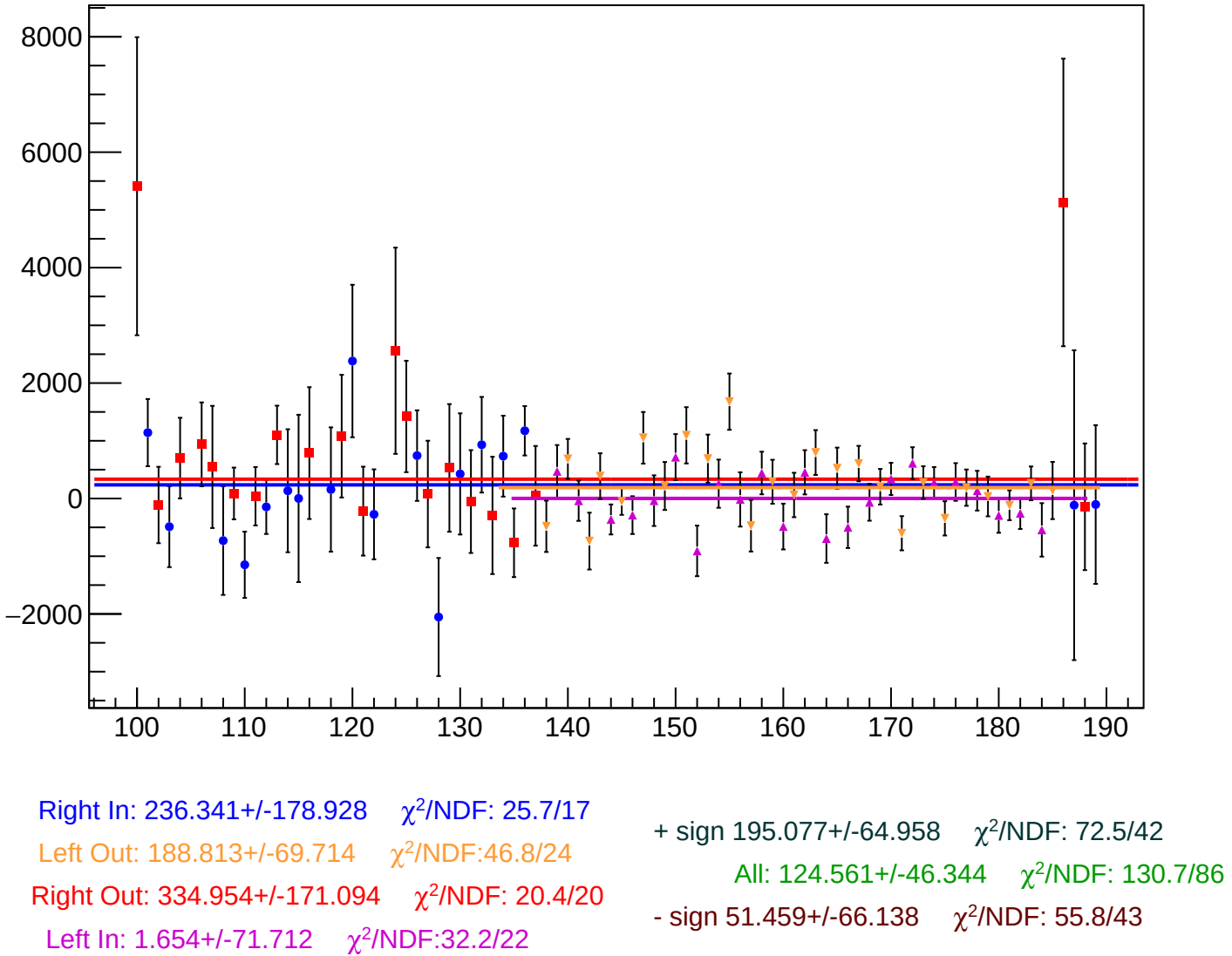
Right Out: 55.109+/-0.014 χ^2/NDF: 1666484.9/20

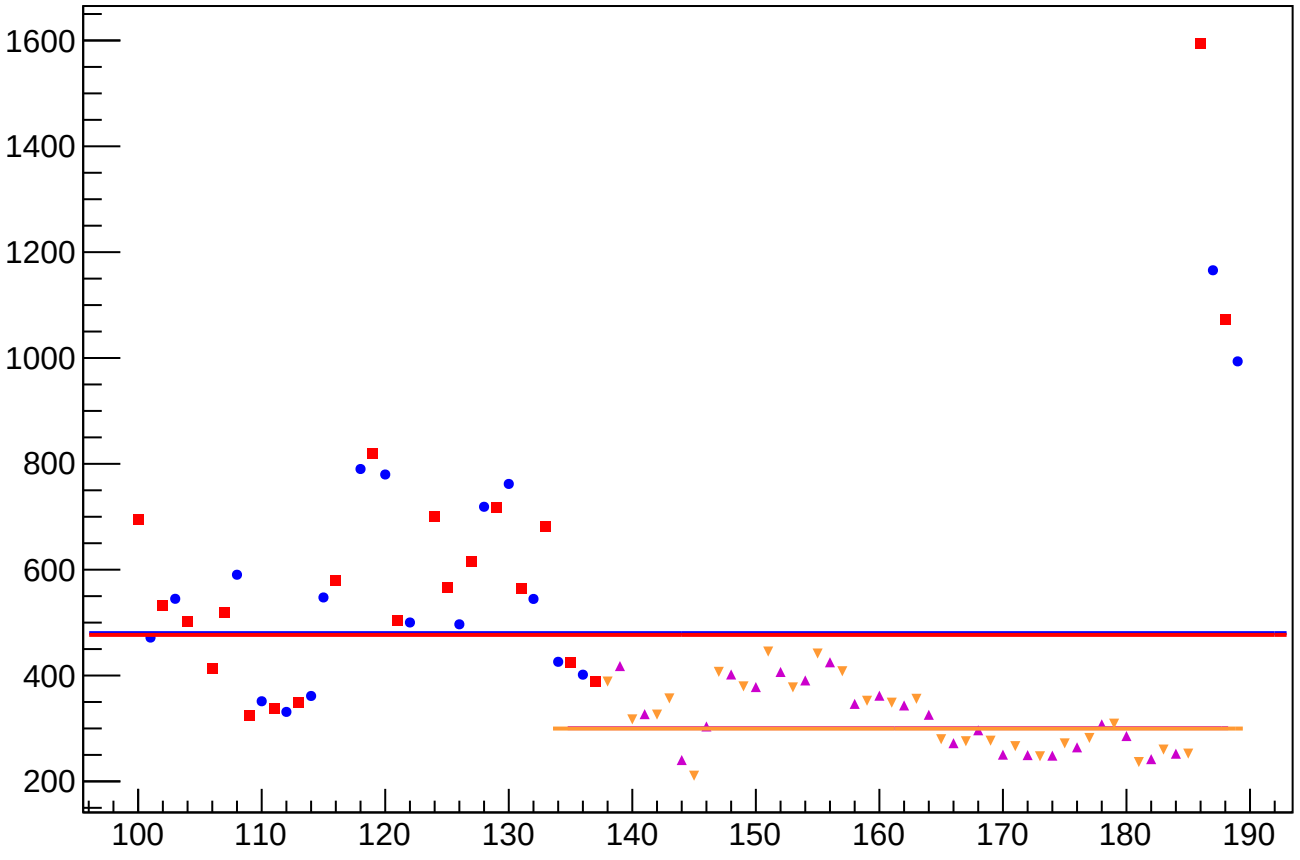
Left In: 45.017+/-0.008 χ^2/NDF:372691.9/22

+ sign 46.852+/-0.006 χ^2/NDF: 1741865.9/42

All: 47.064+/-0.005 χ^2/NDF: 4186154.2/86

- sign 47.286+/-0.007 χ^2/NDF: 2442098.1/43


asym_sam_15_37_dd_eigen_dit_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
180
190
Right In: 236.341+/-178.928 χ²/NDF: 25.7/17
Left Out: 188.813+/-69.714 χ²/NDF:46.8/24
Right Out: 334.954+/-171.094 χ²/NDF: 20.4/20
Left In: 1.654+/-71.712 χ²/NDF:32.2/22
+ sign 195.077+/-64.958 χ²/NDF: 72.5/42
All: 124.561+/-46.344 χ²/NDF: 130.7/86
- sign 51.459+/-66.138 χ²/NDF: 55.8/43



Right In: 480.065+/-0.127 χ^2/NDF: 1401241.8/17

Left Out: 299.798+/-0.049 χ^2/NDF:1577421.4/24

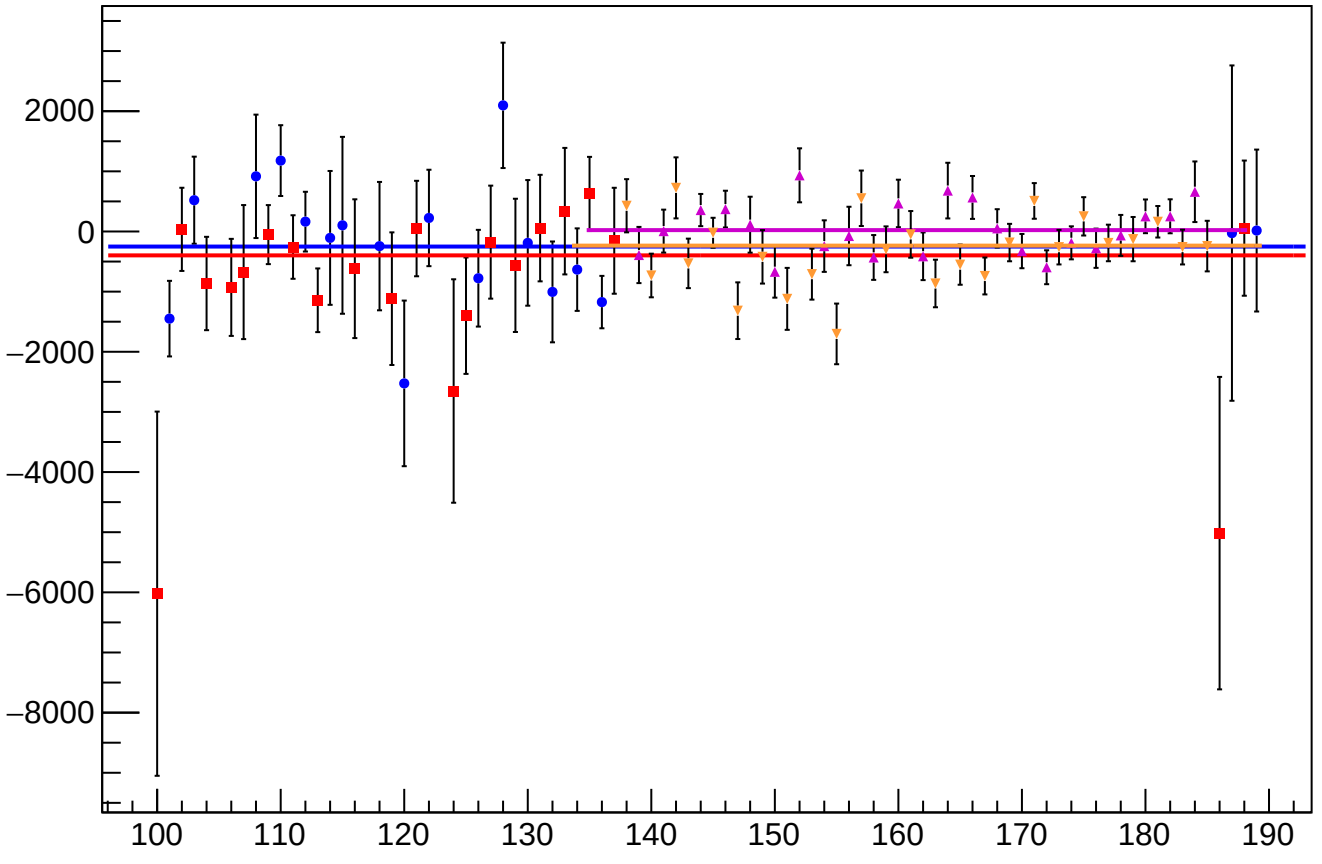
Right Out: 476.812+/-0.121 χ^2/NDF: 2102097.5/20

Left In: 300.544+/-0.051 χ^2/NDF:1259265.2/22

+ sign 323.557+/-0.046 χ^2/NDF: 4741148.4/42

All: 325.190+/-0.033 χ^2/NDF: 9910664.5/86

- sign 326.884+/-0.047 χ^2/NDF: 5166940.1/43



Right In: -250.639+/-184.294 χ^2/NDF: 27.0/17

Left Out: -235.168+/-70.741 χ^2/NDF:47.5/24

Right Out: -397.283+/-179.577 χ^2/NDF: 17.6/20

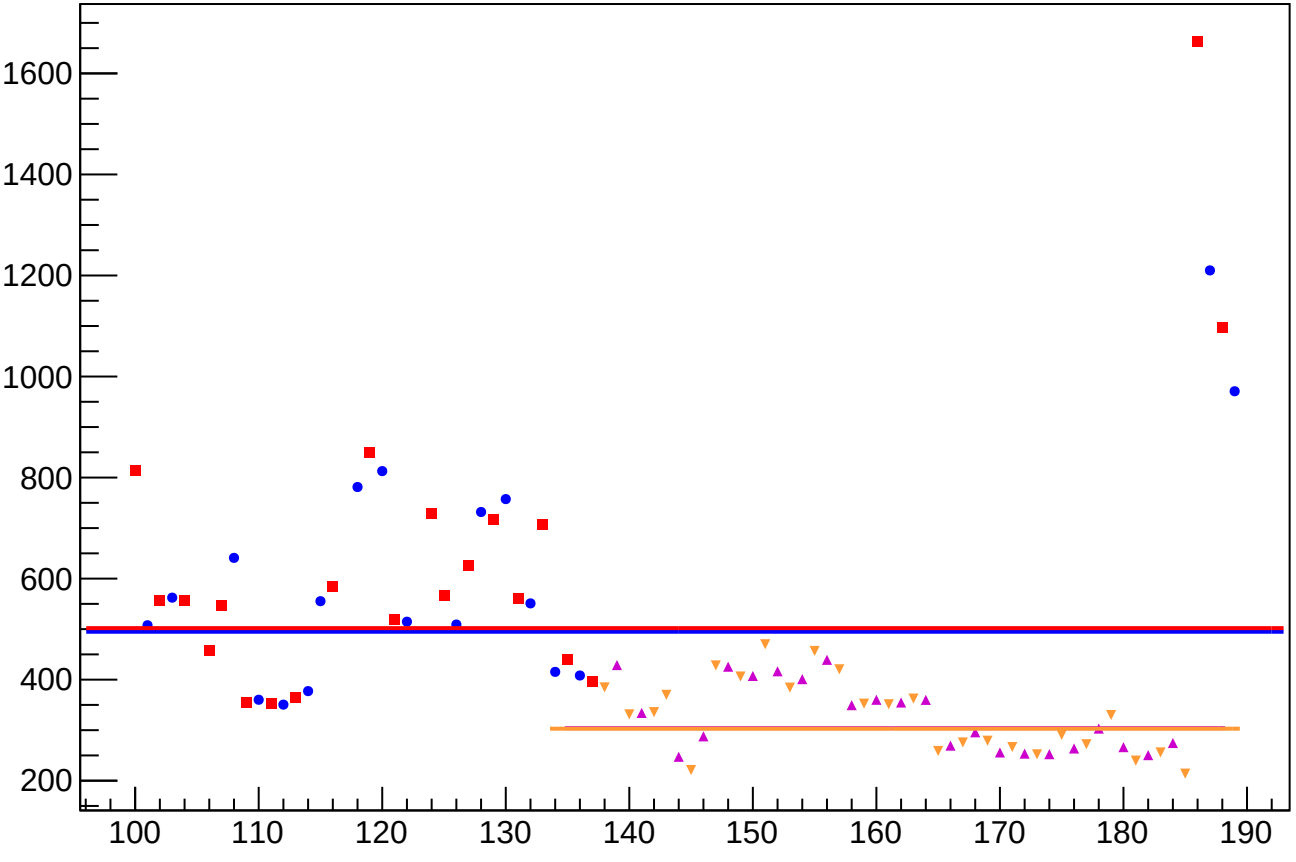
Left In: 22.662+/-72.642 χ^2/NDF:29.9/22

+ sign -237.155+/-66.043 χ^2/NDF: 74.4/42

All: -138.727+/-47.152 χ^2/NDF: 131.1/86

- sign -36.392+/-67.341 χ^2/NDF: 52.1/43

asym_sam_15_37_dd_rms vs Slug



Right In: 494.844+/-0.130 χ^2/NDF: 1336976.0/17

Left Out: 302.944+/-0.050 χ^2/NDF:1766061.8/24

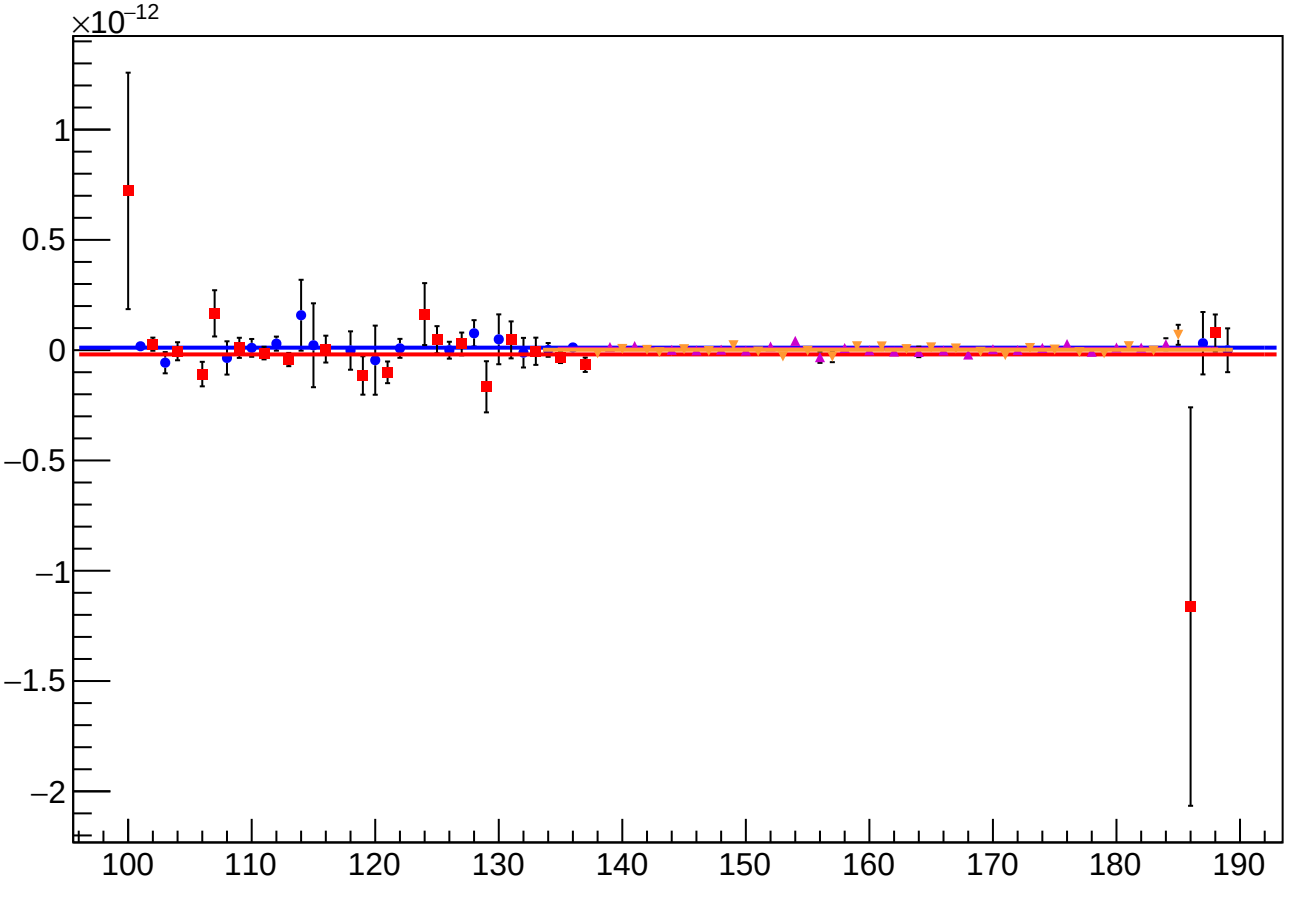
Right Out: 501.976+/-0.127 χ^2/NDF: 1983394.2/20

Left In: 303.923+/-0.051 χ^2/NDF:1376278.3/22

+ sign 327.587+/-0.047 χ^2/NDF: 4993059.8/42

All: 329.640+/-0.033 χ^2/NDF: 10447286.7/86

- sign 331.774+/-0.048 χ^2/NDF: 5450286.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 5.5/17

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.7/20

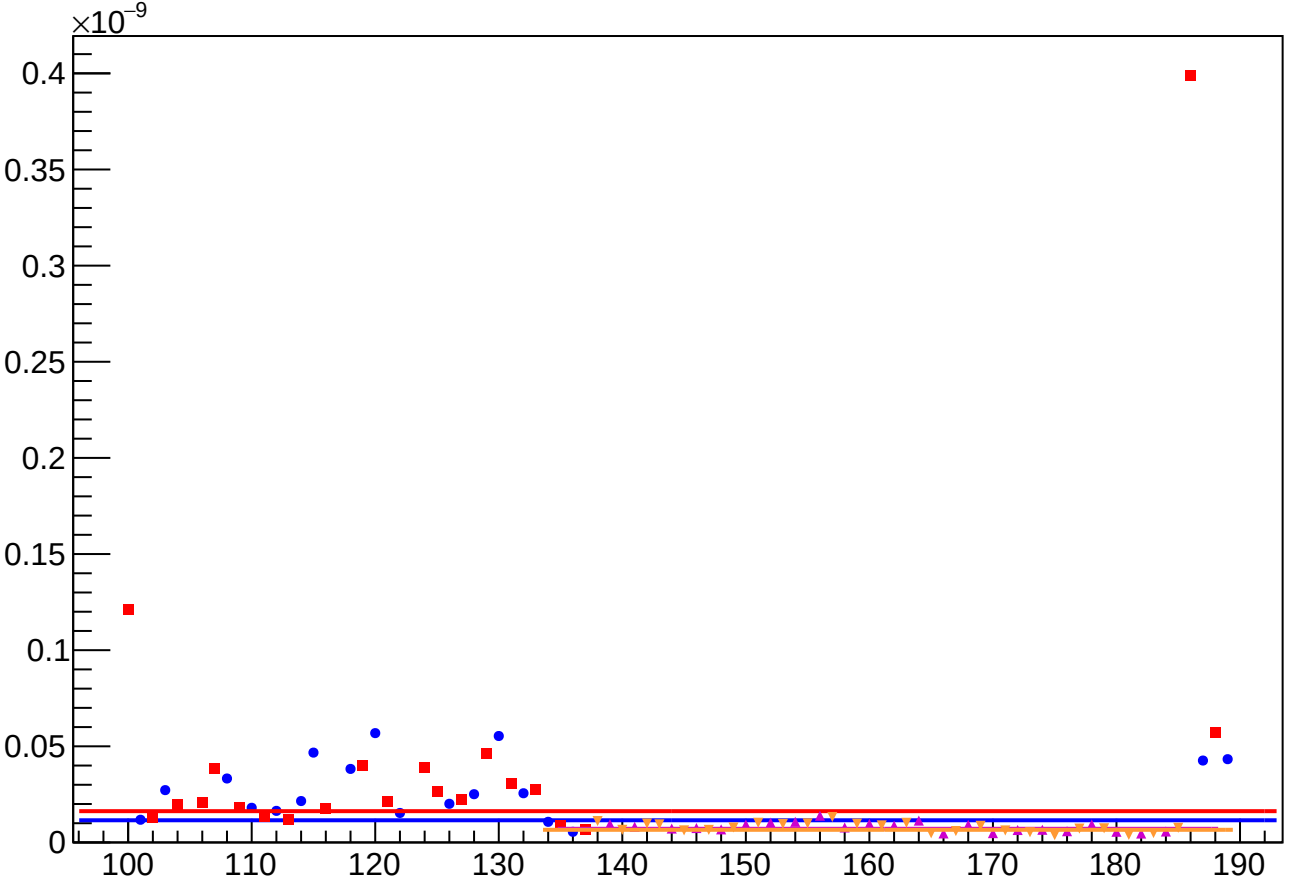
Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 29.6/42

All: 0.000+/-0.000 χ^2/NDF: 80.4/86

- sign 0.000+/-0.000 χ^2/NDF: 50.6/43

asym_sam_15_37_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2407064.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:1479029.9/24

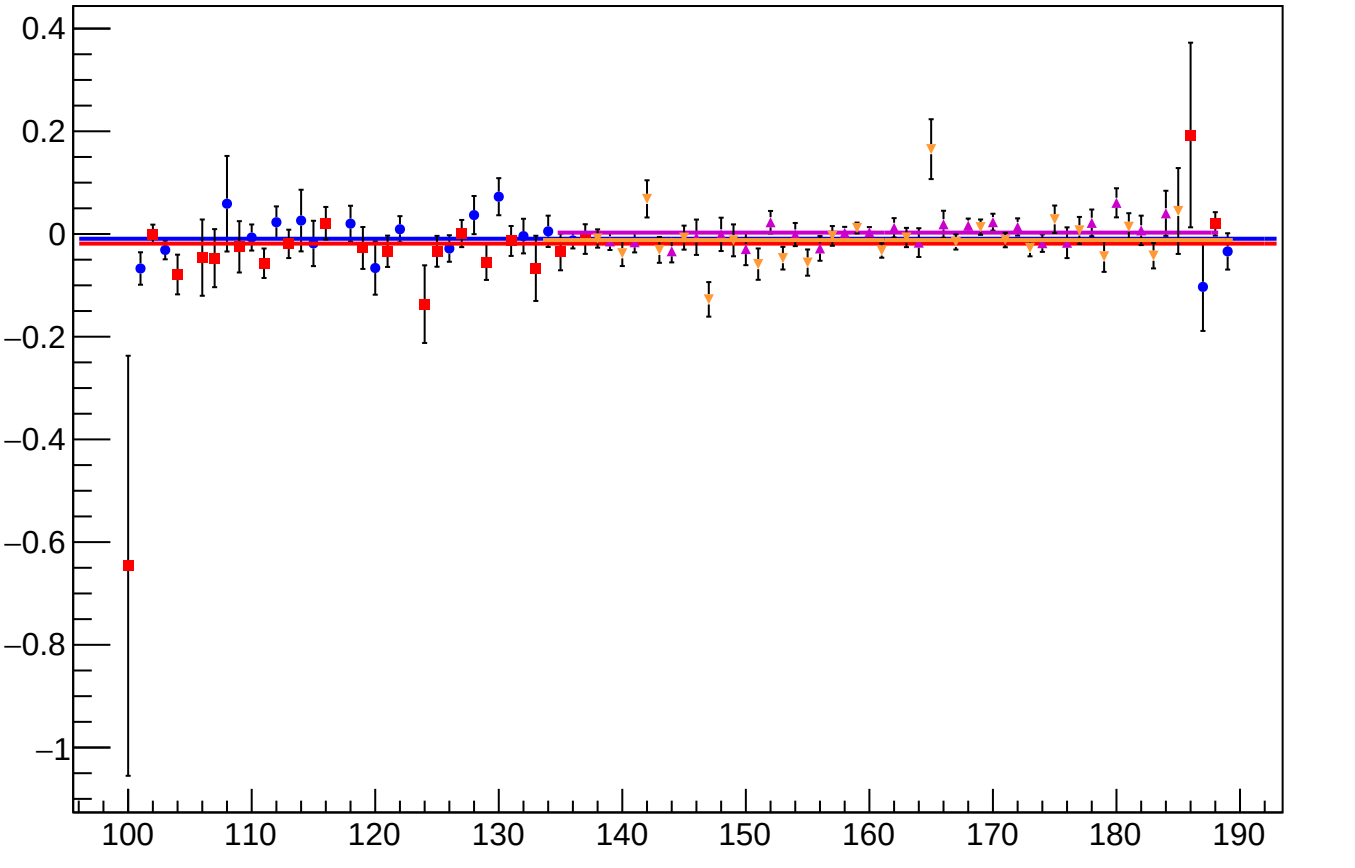
Right Out: 0.000+/-0.000 χ^2/NDF: 2031639.3/20

Left In: 0.000+/-0.000 χ^2/NDF:981529.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 4586672.4/42

All: 0.000+/-0.000 χ^2/NDF: 9177276.7/86

- sign 0.000+/-0.000 χ^2/NDF: 4520221.3/43



Right In: -0.009+/-0.007 χ^2/NDF: 18.5/17

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: -0.019+/-0.007 χ^2/NDF: 19.3/20

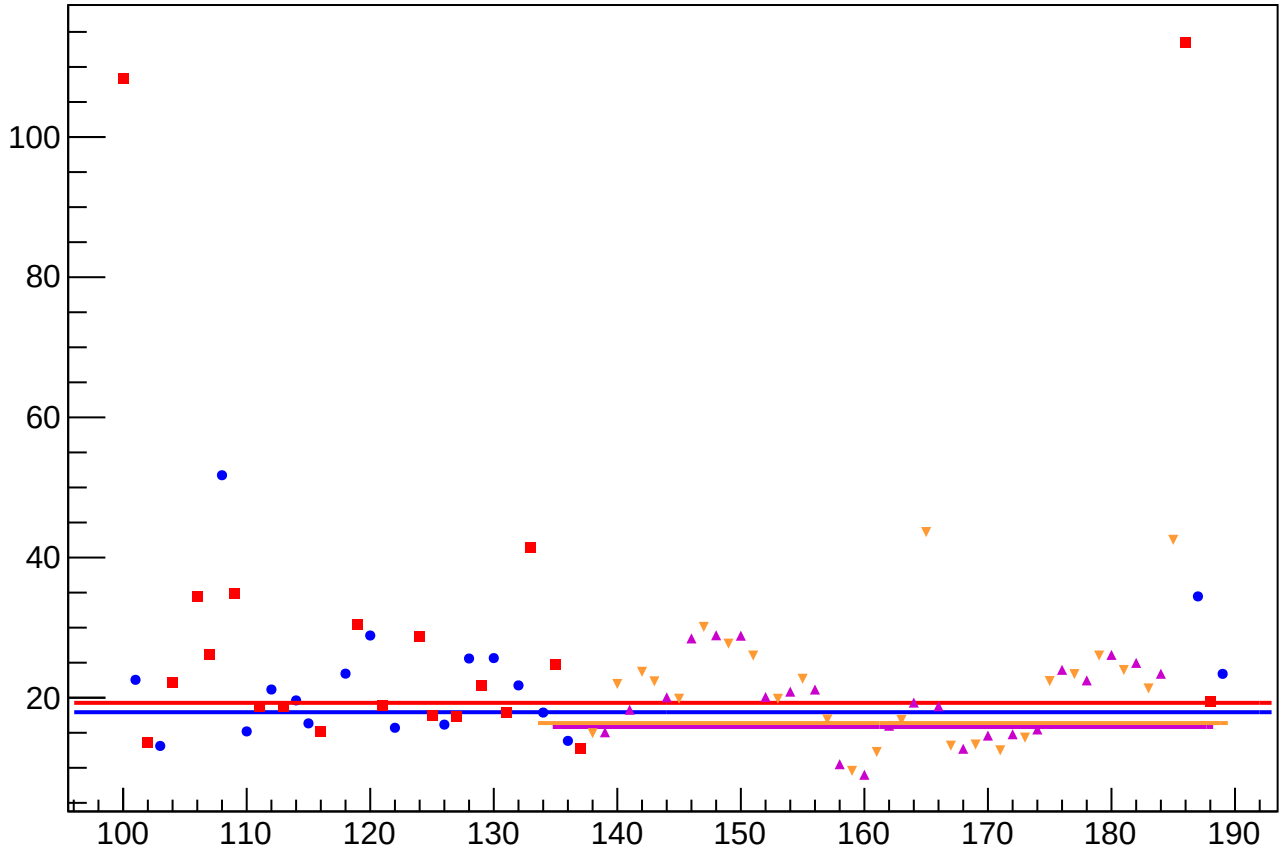
Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.011+/-0.004 χ^2/NDF: 72.0/42

All: -0.007+/-0.002 χ^2/NDF: 120.7/86

- sign -0.002+/-0.004 χ^2/NDF: 45.6/43

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 17.934+/-0.005 χ^2/NDF: 1119828.7/17

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

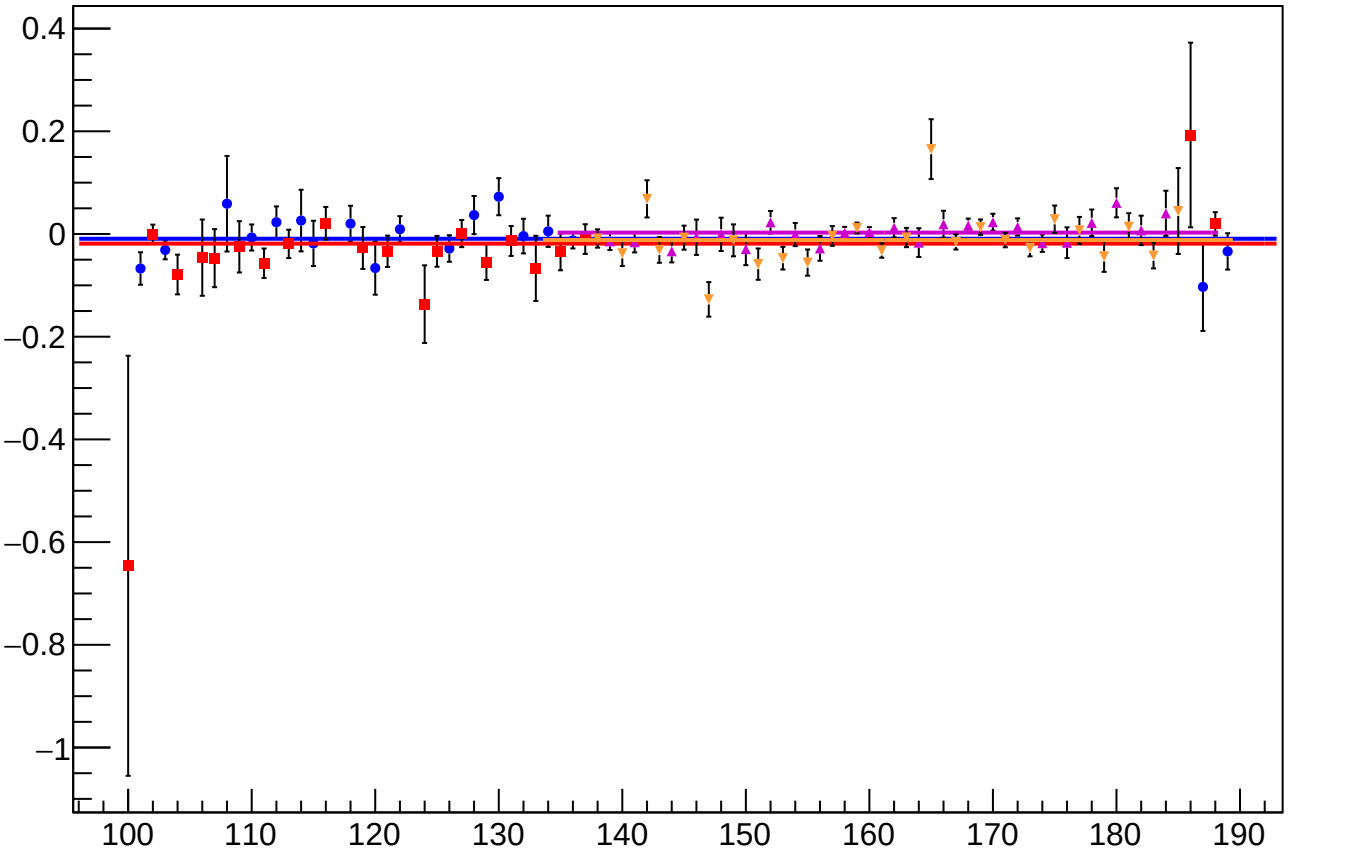
Right Out: 19.271+/-0.005 χ^2/NDF: 1798652.7/20

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

\+ sign 16.775+/-0.002 χ^2/NDF: 5222393.0/42

All: 16.702+/-0.002 χ^2/NDF: 11016920.5/86

\- sign 16.628+/-0.003 χ^2/NDF: 5792781.6/43



Right In: -0.009+/-0.007 χ^2/NDF: 18.5/17

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

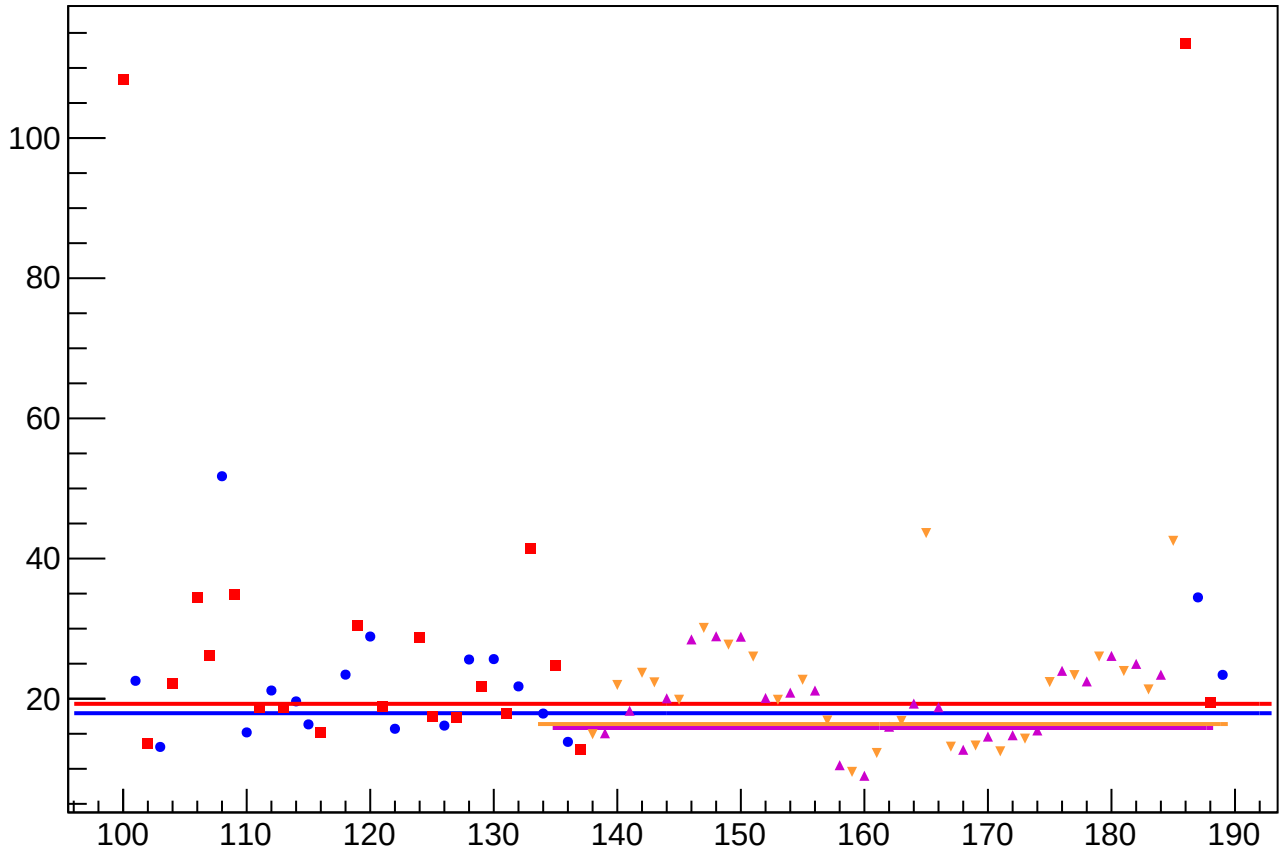
Right Out: -0.019+/-0.007 χ^2/NDF: 19.3/20

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.011+/-0.004 χ^2/NDF: 72.0/42

All: -0.007+/-0.002 χ^2/NDF: 120.7/86

- sign -0.002+/-0.004 χ^2/NDF: 45.6/43



Right In: 17.934+/-0.005 χ^2/NDF: 1119828.7/17

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

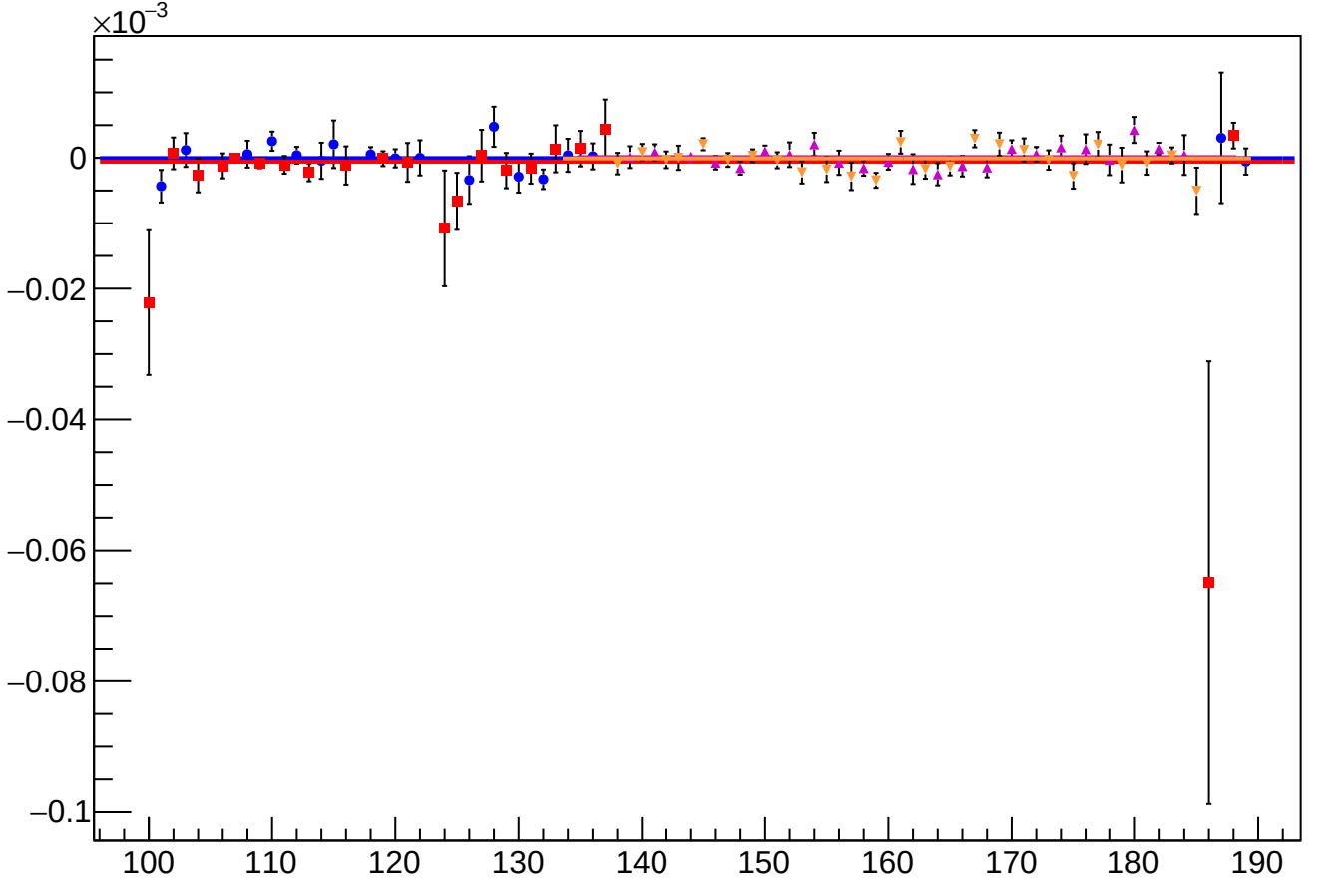
Right Out: 19.271+/-0.005 χ^2/NDF: 1798652.7/20

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

\+ sign 16.775+/-0.002 χ^2/NDF: 5222393.0/42

All: 16.702+/-0.002 χ^2/NDF: 11016920.5/86

\- sign 16.628+/-0.003 χ^2/NDF: 5792781.6/43



Right In: -0.000+/-0.000 χ^2/NDF: 16.7/17

Left Out: -0.000+/-0.000 χ^2/NDF:36.1/24

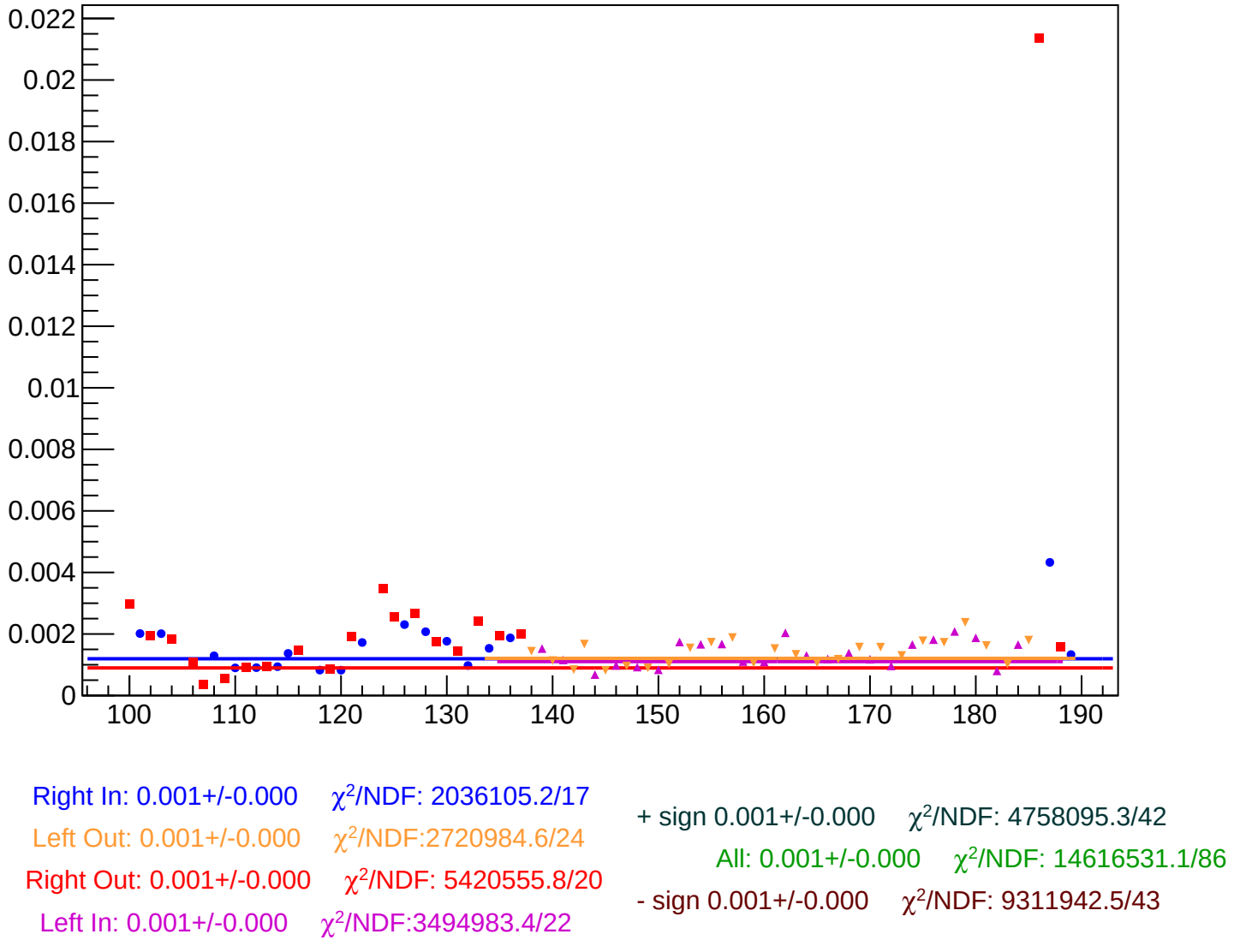
Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/20

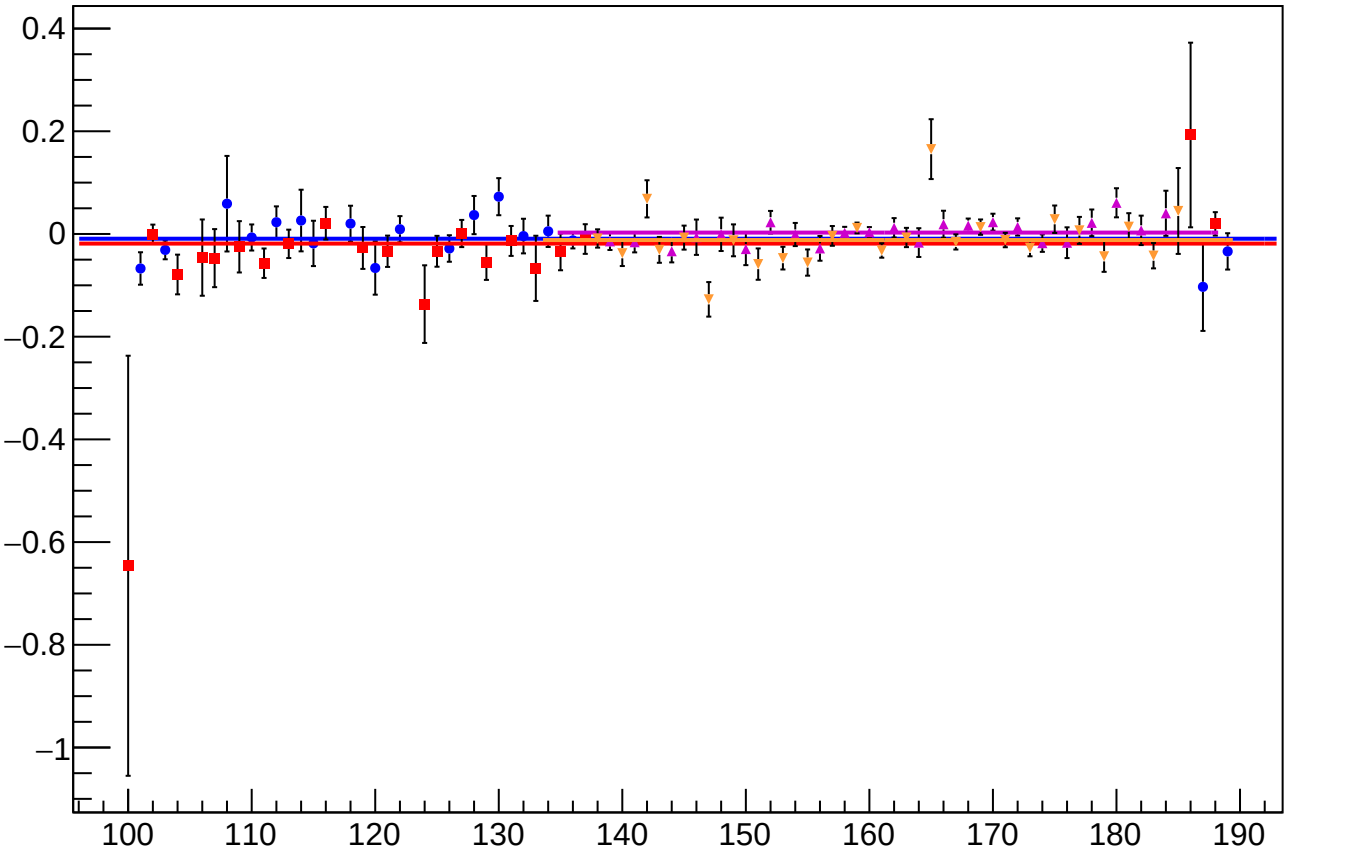
Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

\+ sign -0.000+/-0.000 χ^2/NDF: 52.8/42

All: -0.000+/-0.000 χ^2/NDF: 97.7/86

\- sign -0.000+/-0.000 χ^2/NDF: 44.9/43


asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.001+/-0.000 χ²/NDF: 2036105.2/17
Left Out: 0.001+/-0.000 χ²/NDF:2720984.6/24
Right Out: 0.001+/-0.000 χ²/NDF: 5420555.8/20
Left In: 0.001+/-0.000 χ²/NDF:3494983.4/22
+ sign 0.001+/-0.000 χ²/NDF: 4758095.3/42
All: 0.001+/-0.000 χ²/NDF: 14616531.1/86
- sign 0.001+/-0.000 χ²/NDF: 9311942.5/43



Right In: -0.009+/-0.007 χ^2/NDF: 18.4/17

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

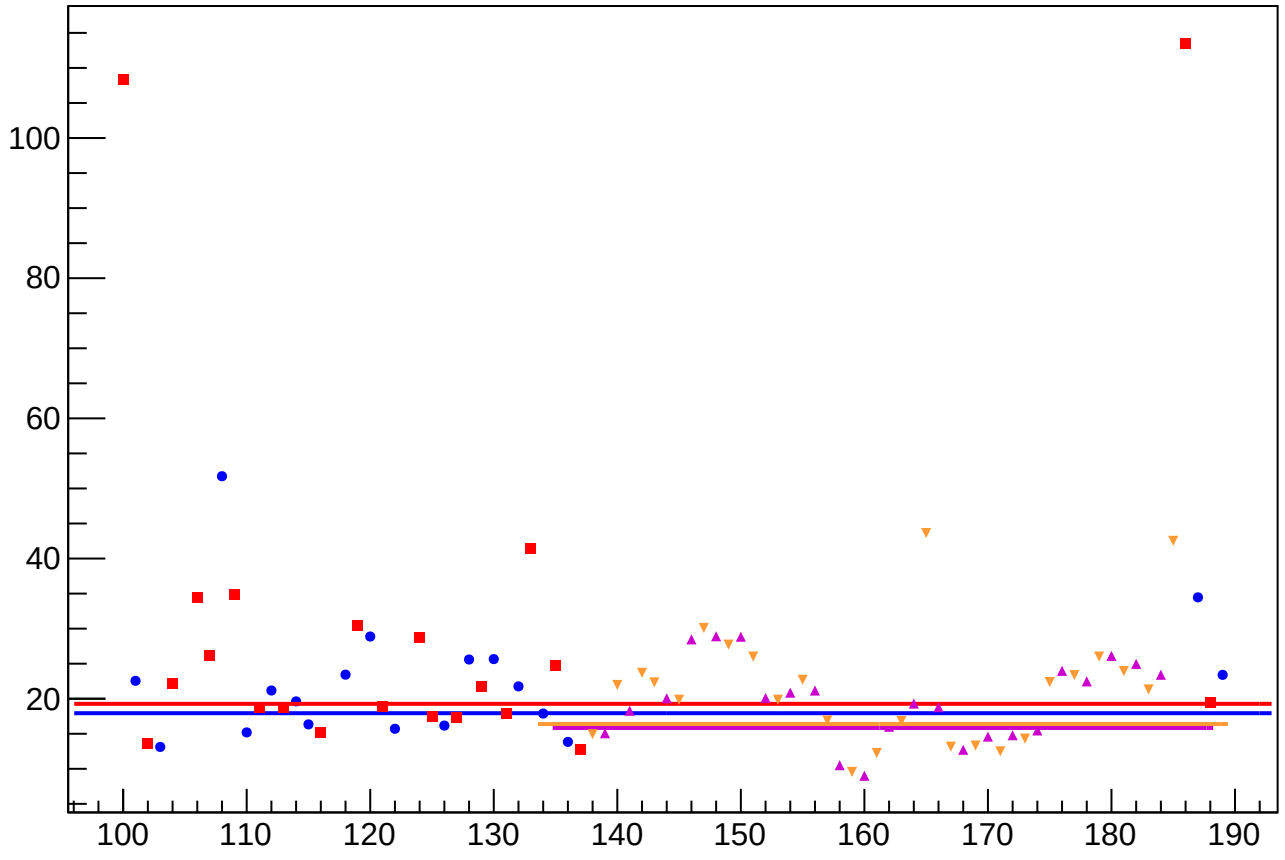
Right Out: -0.019+/-0.007 χ^2/NDF: 19.3/20

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.011+/-0.004 χ^2/NDF: 72.0/42

All: -0.007+/-0.002 χ^2/NDF: 120.7/86

- sign -0.002+/-0.004 χ^2/NDF: 45.6/43



Right In: 17.935+/-0.005 χ^2/NDF: 1119888.7/17

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

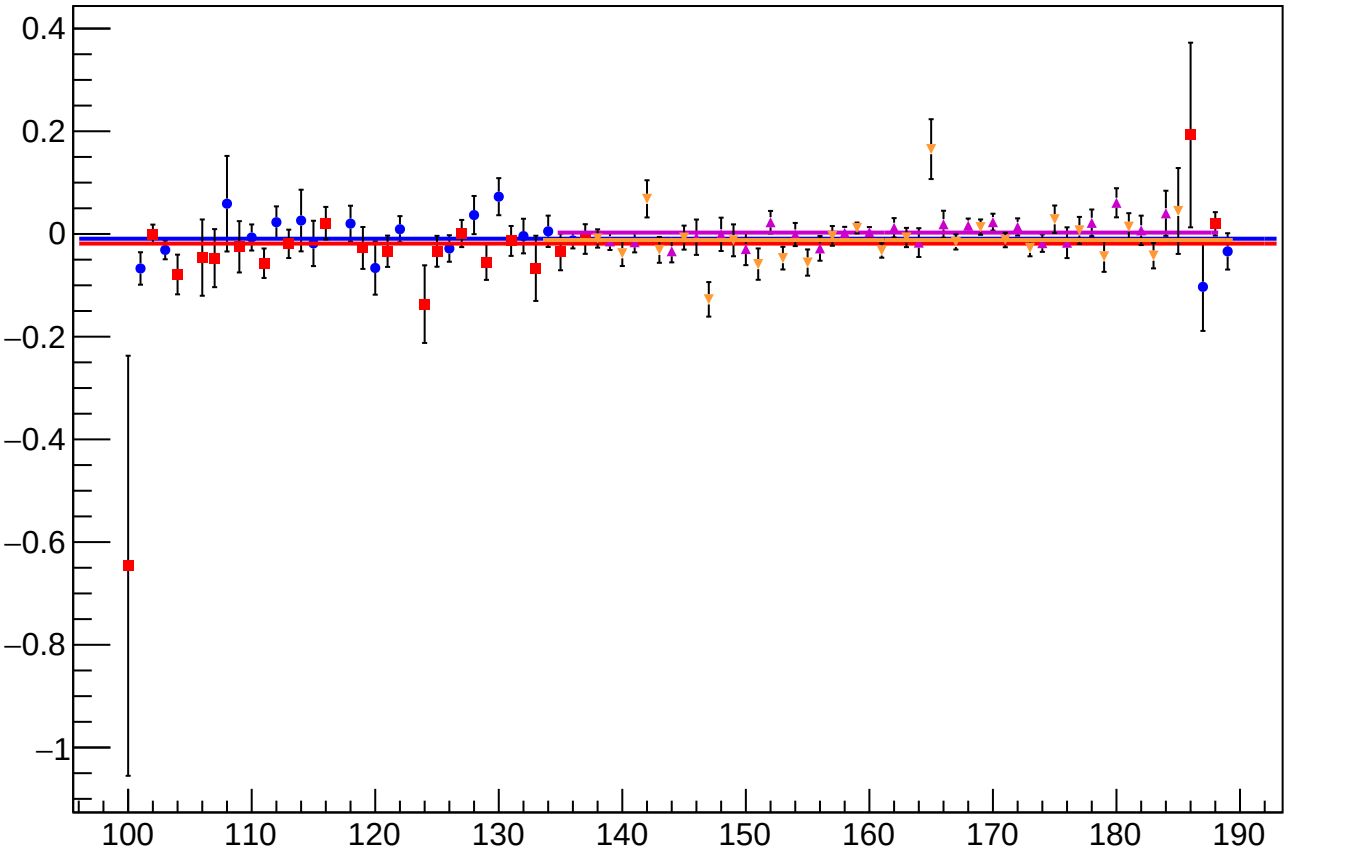
Right Out: 19.272+/-0.005 χ^2/NDF: 1798562.8/20

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

\+ sign 16.775+/-0.002 χ^2/NDF: 5222727.2/42

All: 16.702+/-0.002 χ^2/NDF: 11017670.9/86

\- sign 16.628+/-0.003 χ^2/NDF: 5793198.4/43



Right In: -0.009+/-0.007 χ^2/NDF: 18.4/17

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

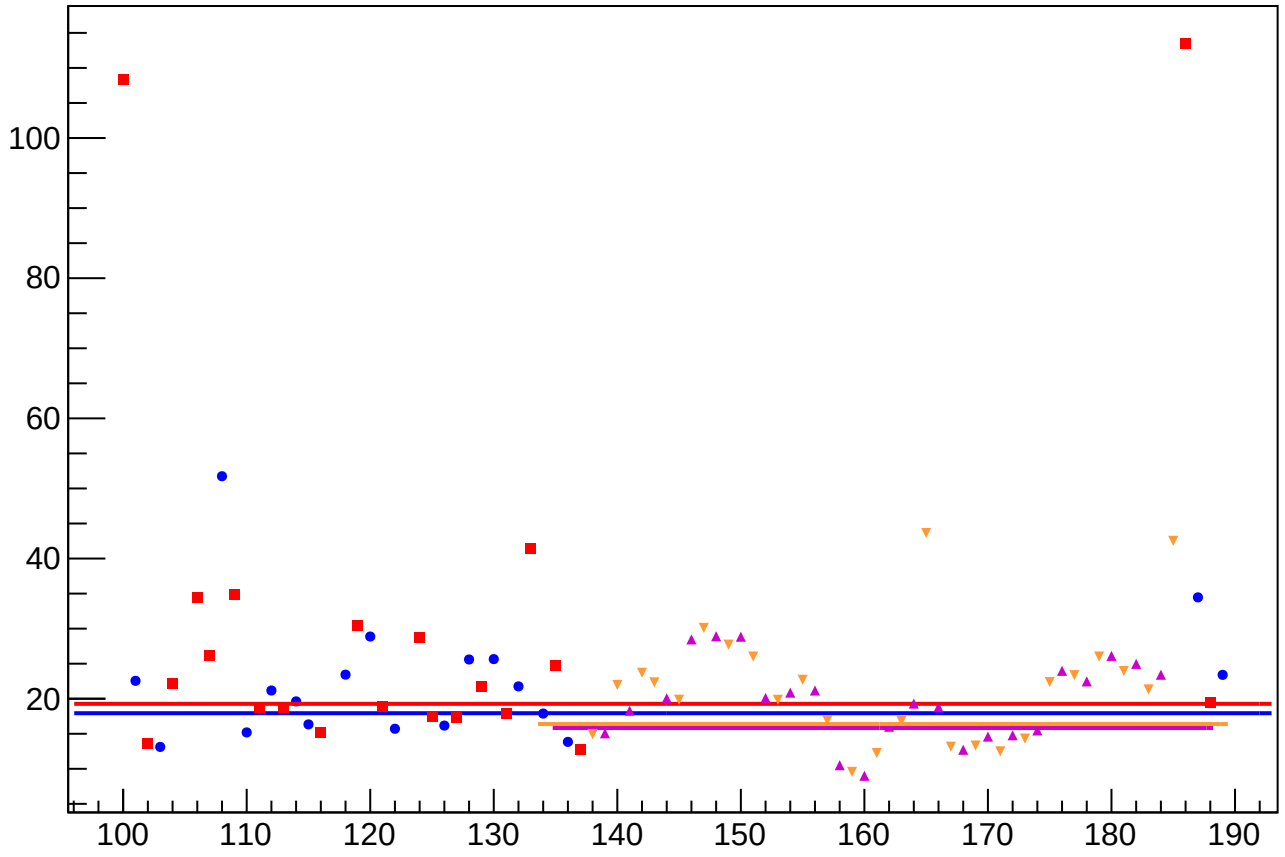
Right Out: -0.019+/-0.007 χ^2/NDF: 19.3/20

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.011+/-0.004 χ^2/NDF: 72.0/42

All: -0.007+/-0.002 χ^2/NDF: 120.7/86

- sign -0.002+/-0.004 χ^2/NDF: 45.6/43



Right In: 17.935+/-0.005 χ^2/NDF: 1119888.7/17

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

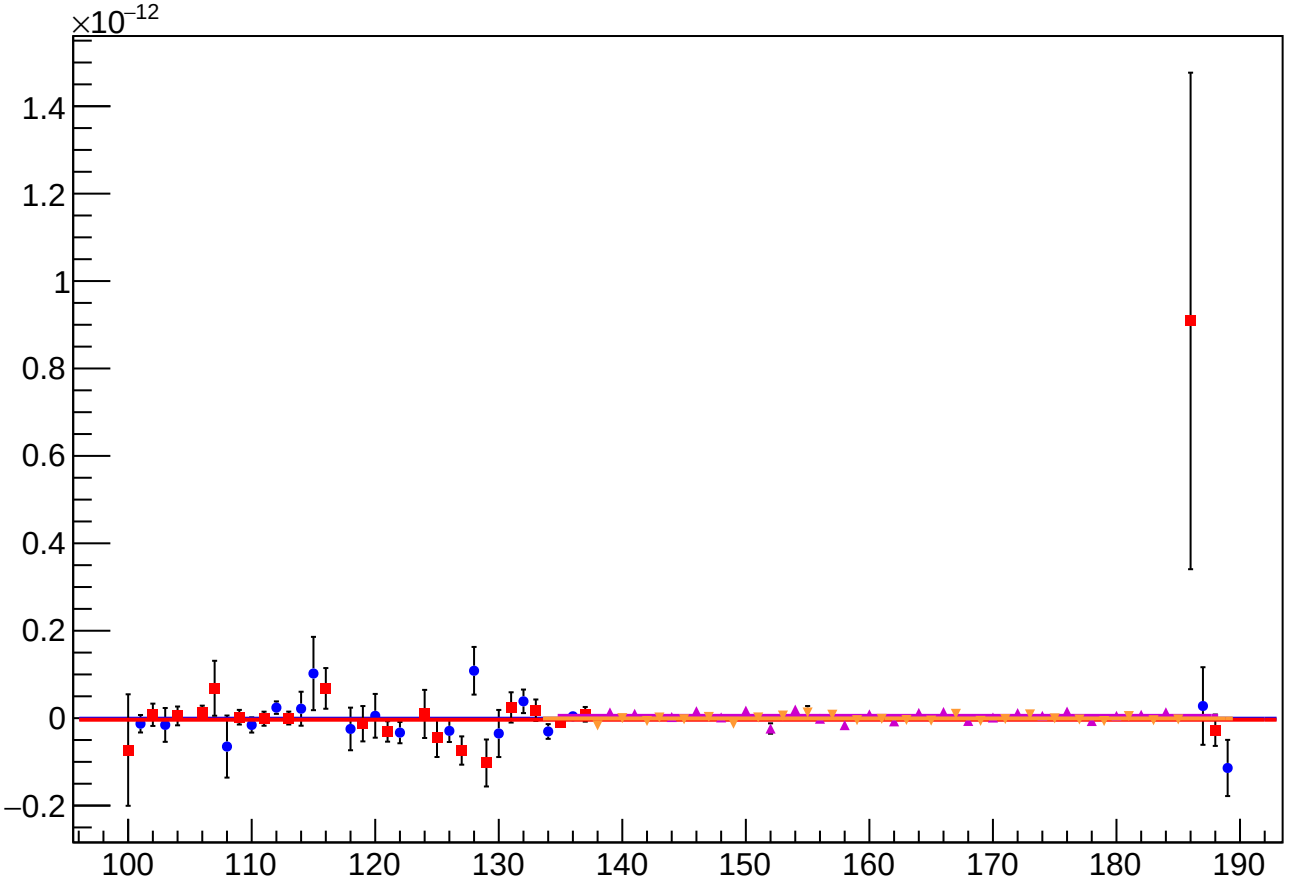
Right Out: 19.272+/-0.005 χ^2/NDF: 1798562.8/20

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

\+ sign 16.775+/-0.002 χ^2/NDF: 5222727.2/42

All: 16.702+/-0.002 χ^2/NDF: 11017670.9/86

\- sign 16.628+/-0.003 χ^2/NDF: 5793198.4/43



Right In: -0.000+/-0.000 χ^2/NDF: 23.5/17

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/24

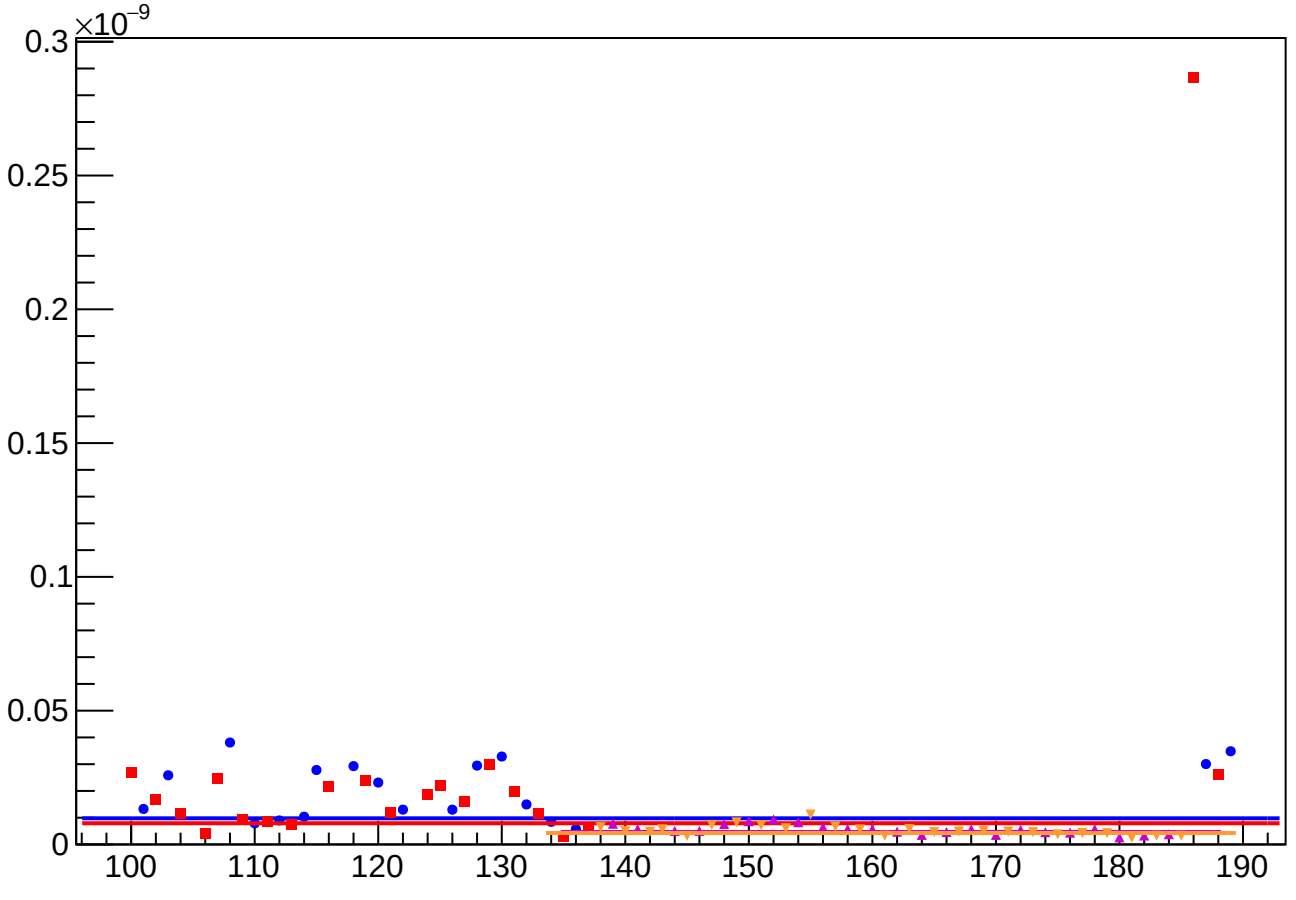
Right Out: -0.000+/-0.000 χ^2/NDF: 22.2/20

Left In: 0.000+/-0.000 χ^2/NDF:37.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 42.6/42

All: 0.000+/-0.000 χ^2/NDF: 114.7/86

- sign 0.000+/-0.000 χ^2/NDF: 63.7/43



Right In: 0.000+/-0.000 χ^2/NDF: 3044710.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:2583638.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4083740.1/20

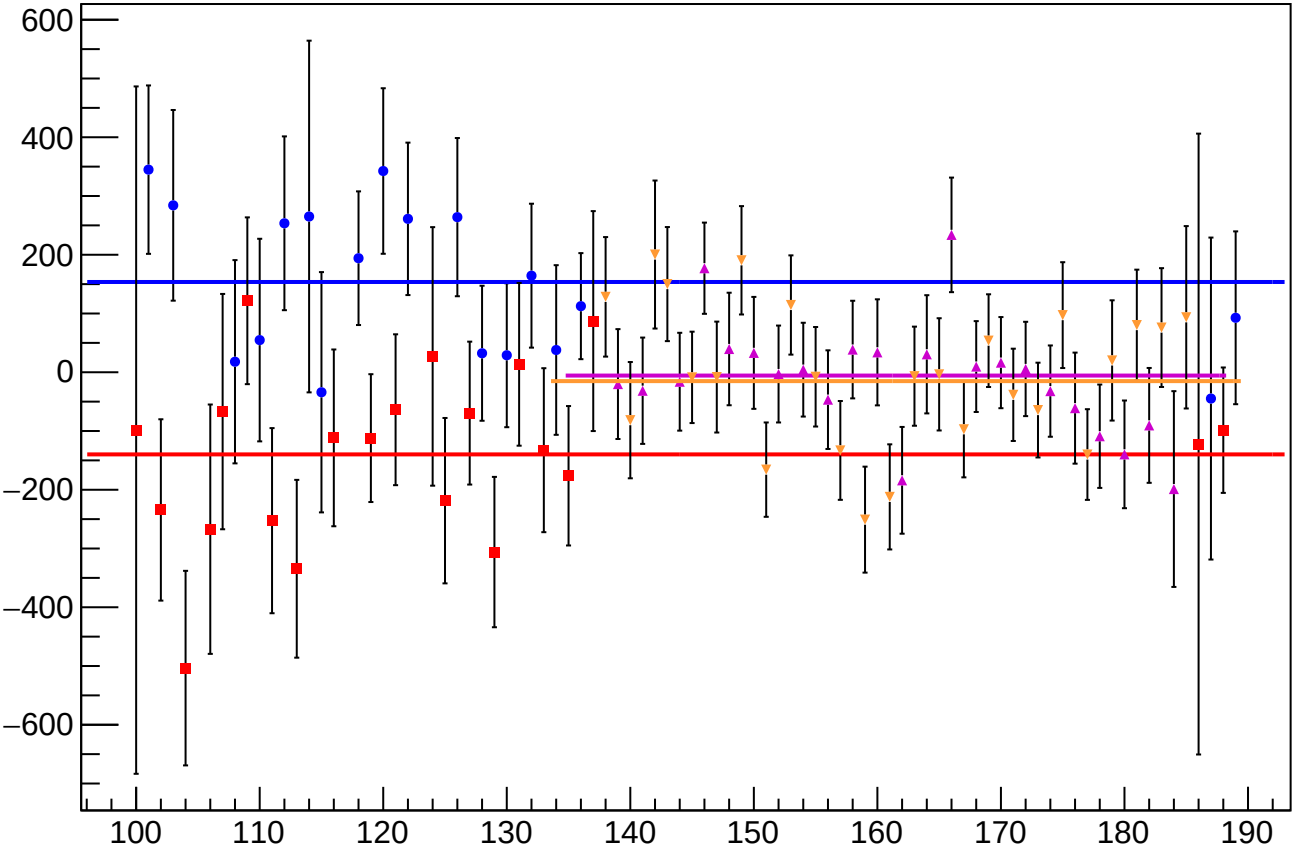
Left In: 0.000+/-0.000 χ^2/NDF:2508440.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 7851317.8/42

All: 0.000+/-0.000 χ^2/NDF: 15494317.1/86

- sign 0.000+/-0.000 χ^2/NDF: 7574200.6/43

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 153.650+/-33.041 χ^2/NDF: 11.8/17

Left Out: -15.100+/-17.957 χ^2/NDF:41.6/24

Right Out: -139.809+/-32.519 χ^2/NDF: 17.6/20

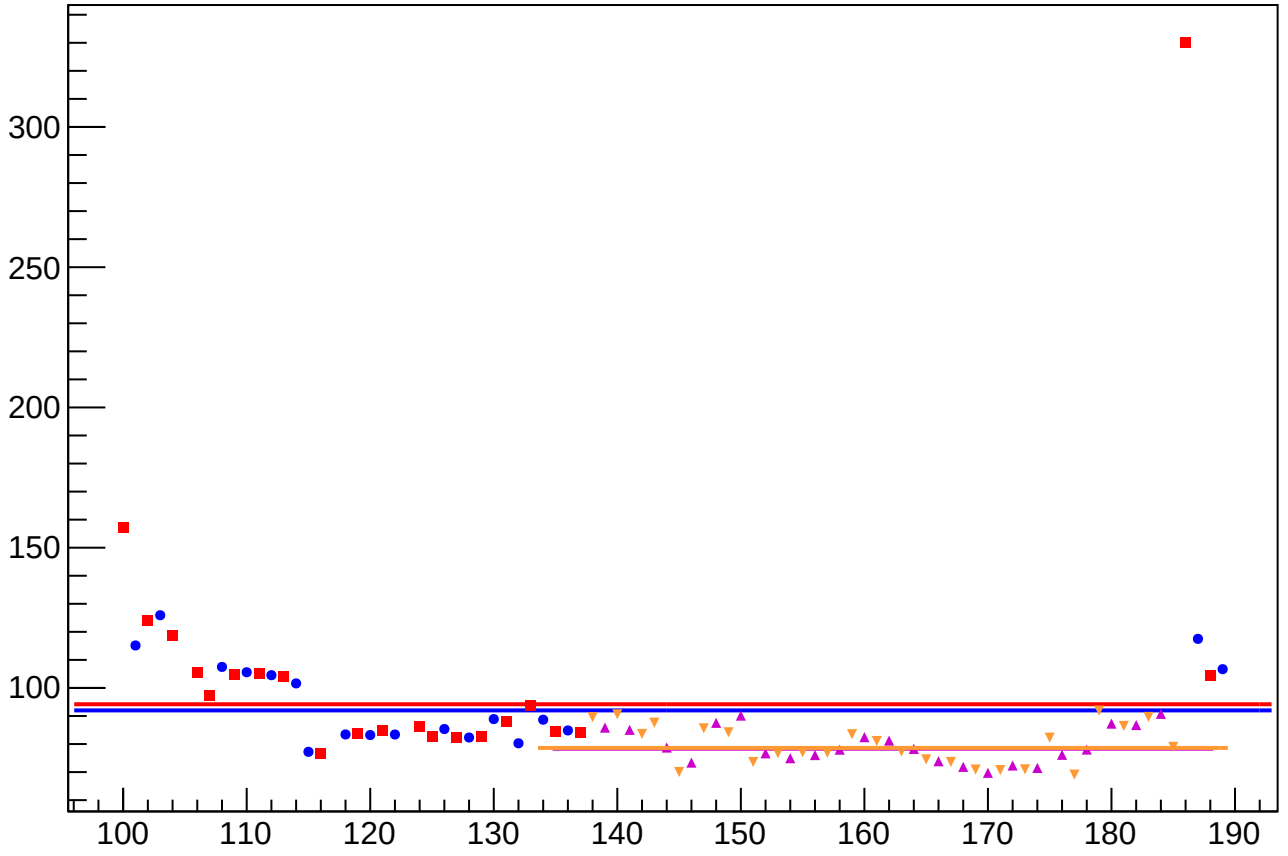
Left In: -5.629+/-18.382 χ^2/NDF:23.0/22

+ sign 23.378+/-15.777 χ^2/NDF: 73.6/42

All: -6.937+/-11.235 χ^2/NDF: 134.5/86

- sign -38.121+/-16.002 χ^2/NDF: 53.5/43

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 91.992+/-0.023 χ^2/NDF: 312481.8/17

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

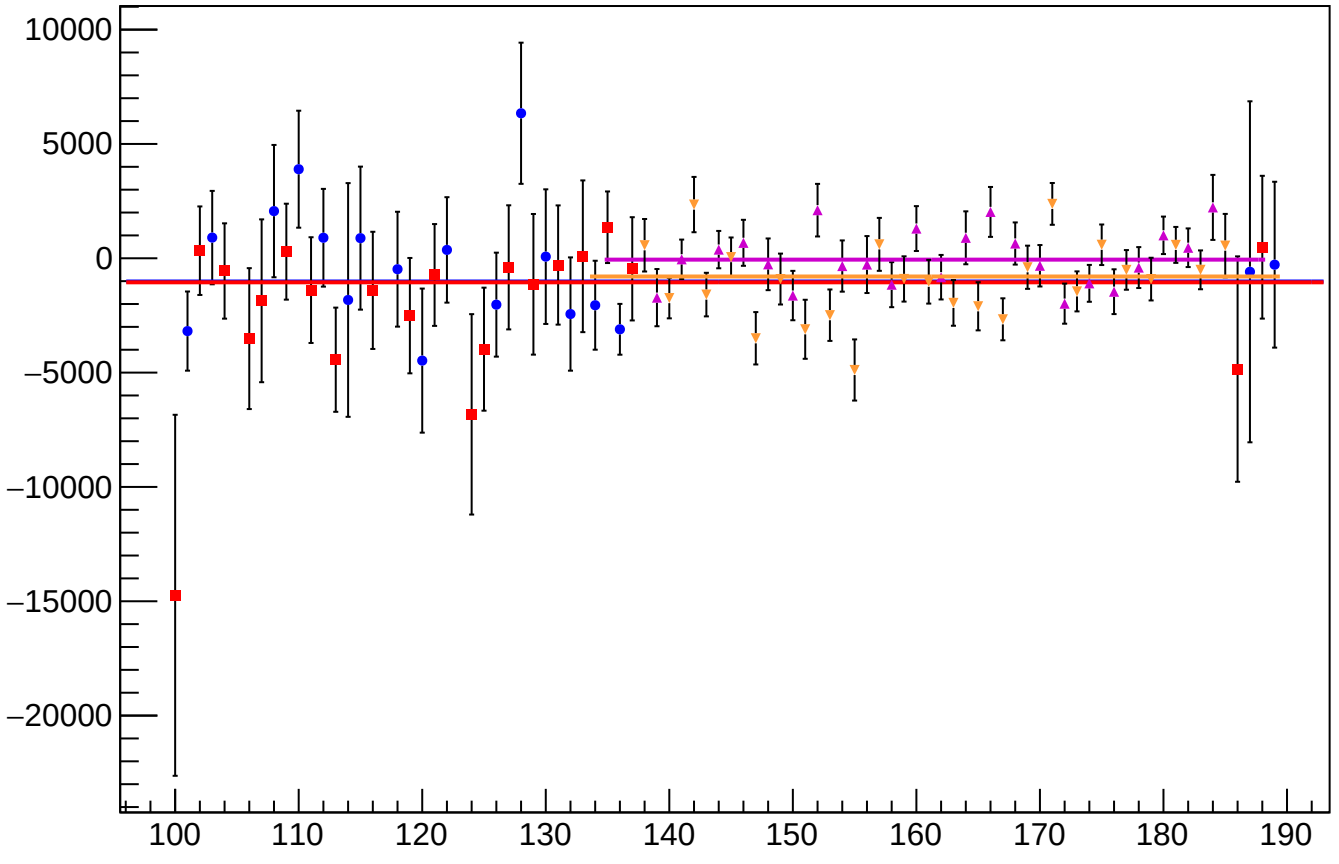
Right Out: 94.186+/-0.023 χ^2/NDF: 726180.3/20

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 81.668+/-0.011 χ^2/NDF: 872664.8/42

All: 81.917+/-0.008 χ^2/NDF: 2169160.3/86

- sign 82.173+/-0.011 χ^2/NDF: 1295484.7/43



Right In: -1015.803+/-542.542 χ^2/NDF: 20.3/17

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: -1051.115+/-556.146 χ^2/NDF: 13.7/20

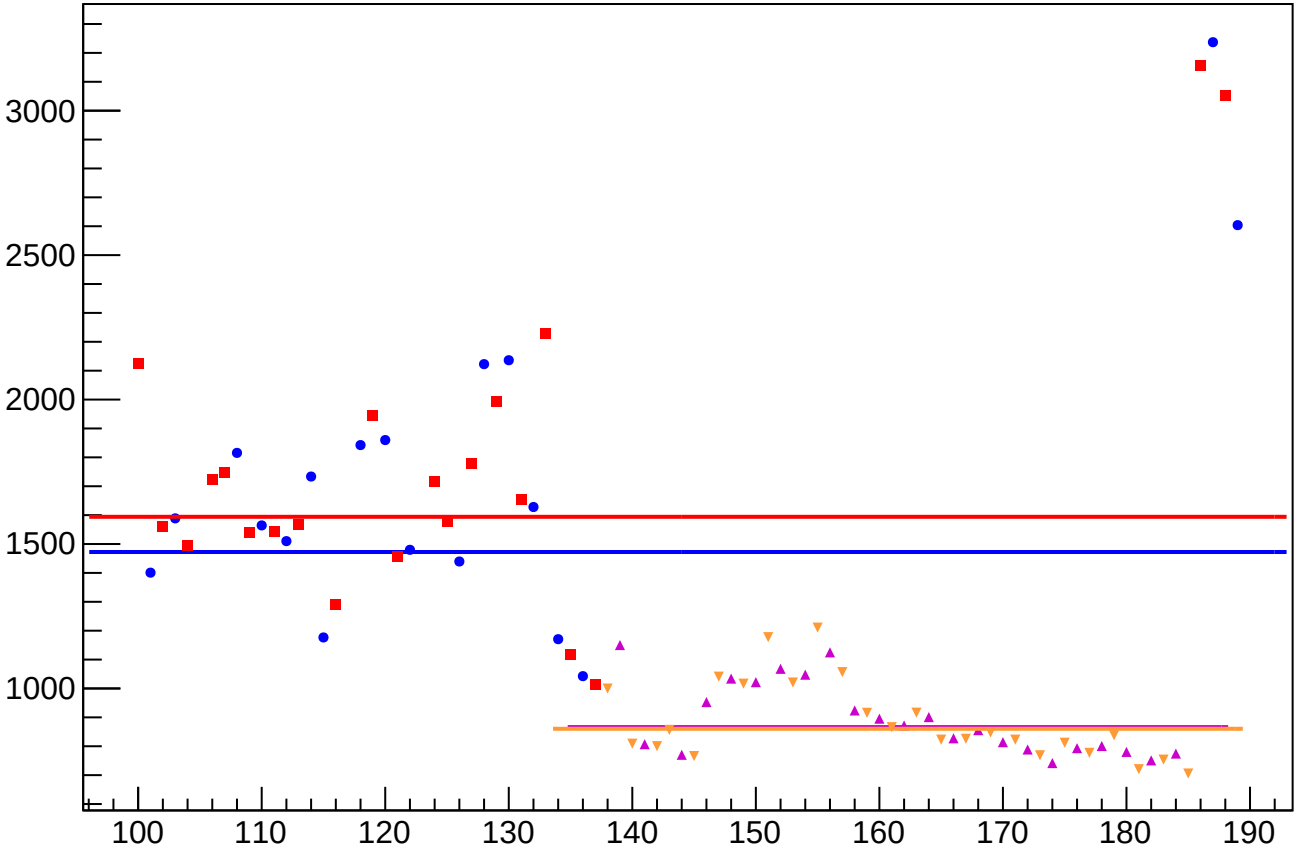
Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -822.690+/-185.904 χ^2/NDF: 79.9/42

All: -510.322+/-133.518 χ^2/NDF: 132.7/86

- sign -177.537+/-191.883 χ^2/NDF: 47.0/43

asym_sam_24_68_dd_reg_correction_rms vs Slug



Right In: 1472.376+/-0.384 χ^2/NDF: 990678.3/17

Left Out: 860.492+/-0.140 χ^2/NDF:699252.0/24

Right Out: 1594.231+/-0.393 χ^2/NDF: 1172289.1/20

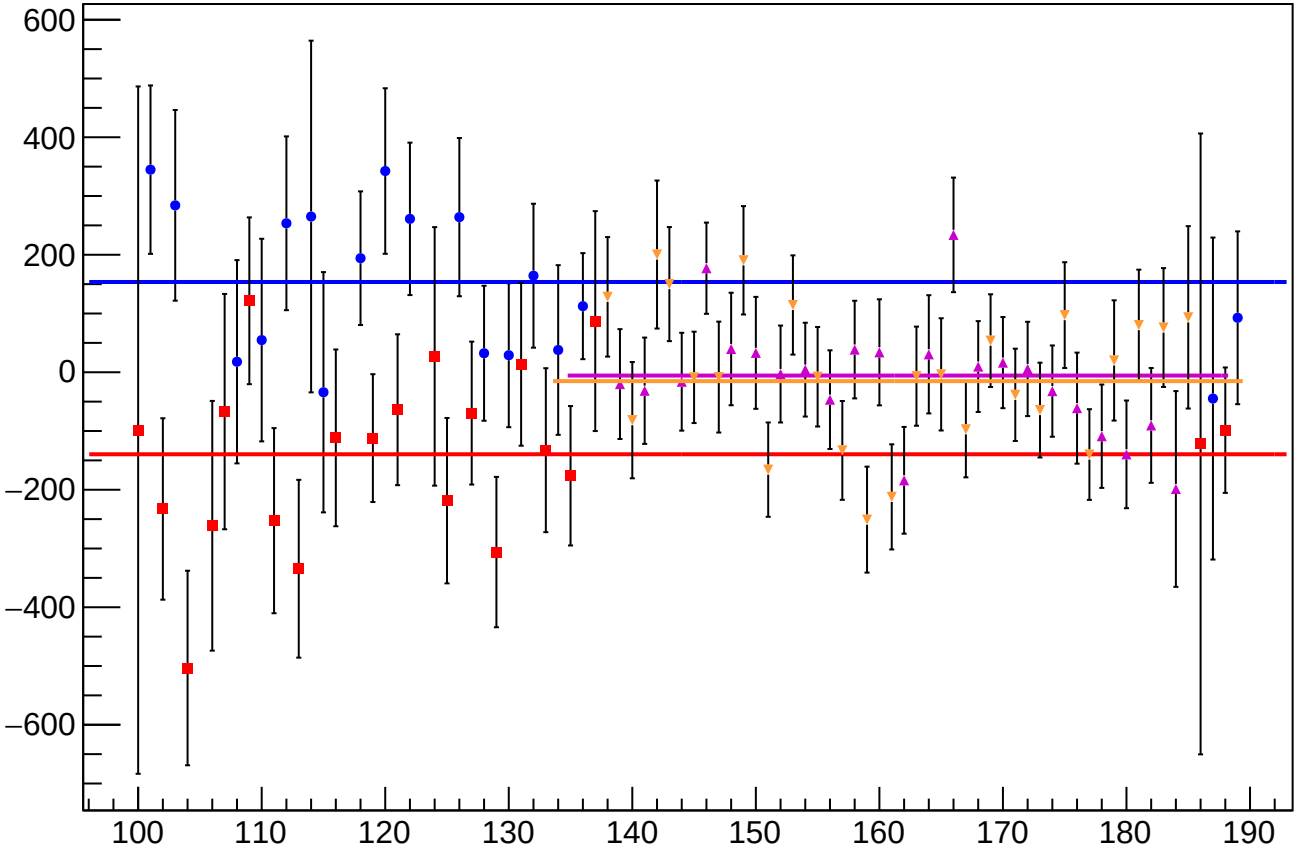
Left In: 866.351+/-0.145 χ^2/NDF:613257.7/22

+ sign 932.335+/-0.131 χ^2/NDF: 3935156.1/42

All: 942.340+/-0.094 χ^2/NDF: 8750720.1/86

- sign 952.999+/-0.136 χ^2/NDF: 4803599.6/43

cor_asym_sam_24_68_dd_mean vs Slug



Right In: 153.647+/-33.041 χ^2/NDF: 11.8/17

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: -139.578+/-32.520 χ^2/NDF: 17.5/20

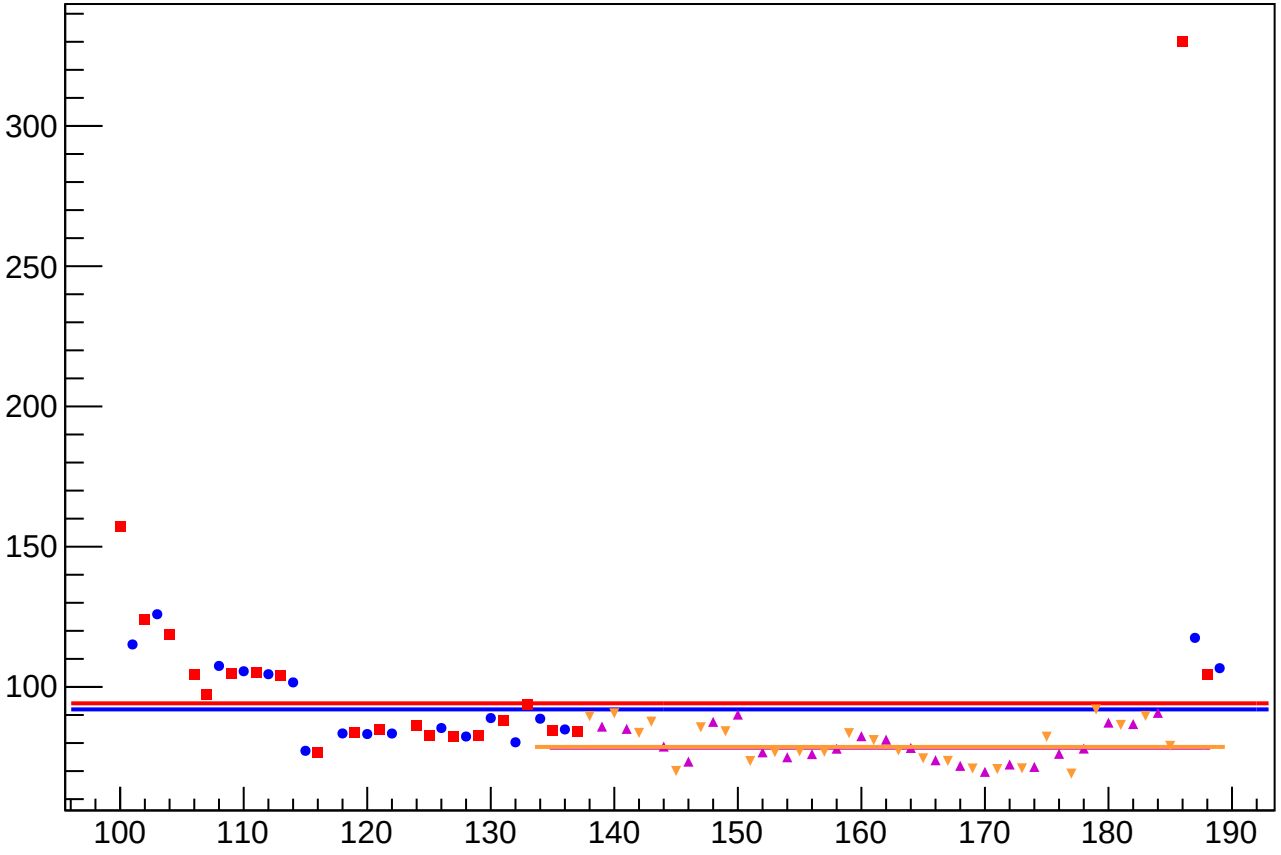
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

\+ sign 23.379+/-15.777 χ^2/NDF: 73.6/42

All: -6.905+/-11.235 χ^2/NDF: 134.4/86

\- sign -38.060+/-16.002 χ^2/NDF: 53.4/43

cor_asym_sam_24_68_dd_rms vs Slug



Right In: 91.992+/-0.023 χ^2/NDF: 312483.5/17

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

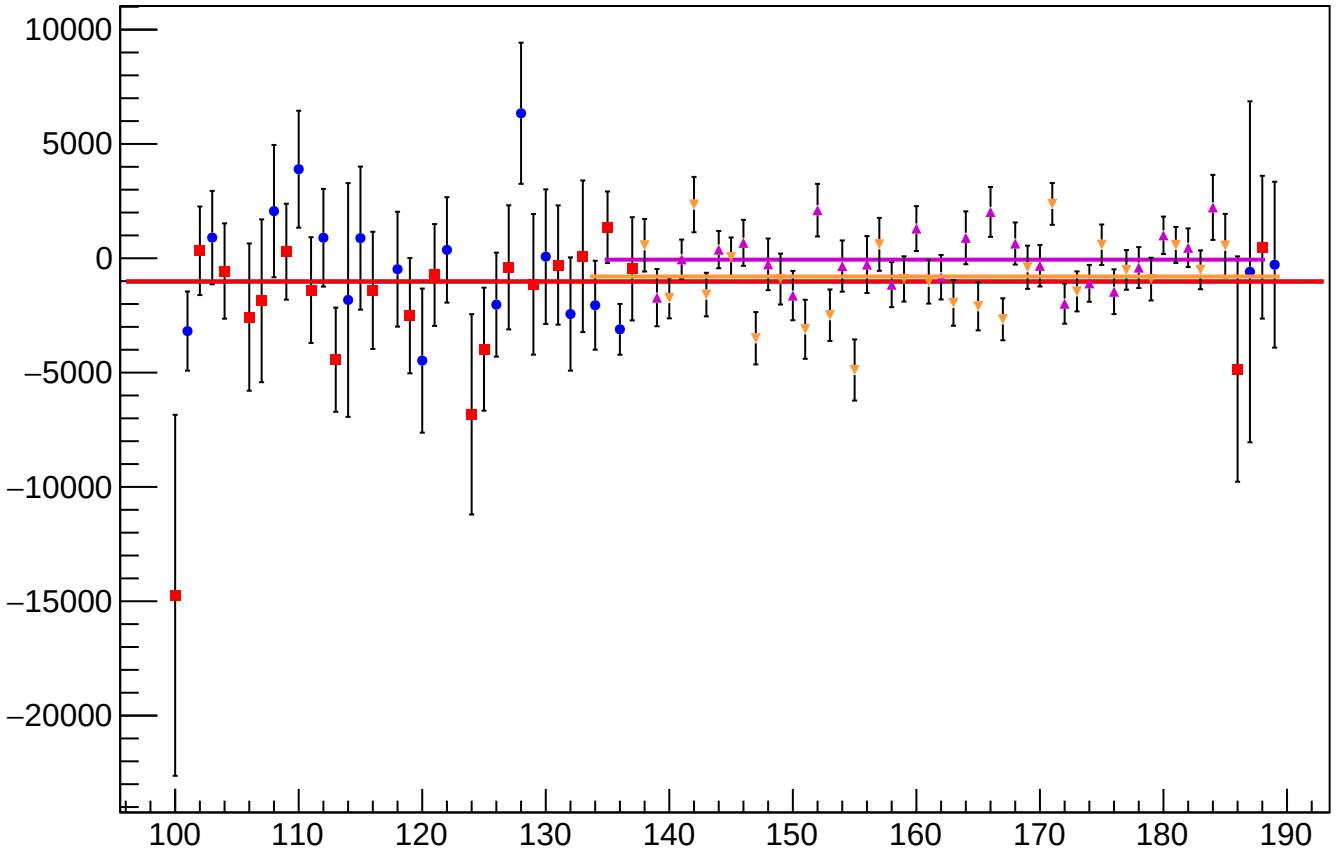
Right Out: 94.156+/-0.023 χ^2/NDF: 725146.3/20

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 81.668+/-0.011 χ^2/NDF: 872666.8/42

All: 81.913+/-0.008 χ^2/NDF: 2166721.5/86

- sign 82.165+/-0.011 χ^2/NDF: 1293073.7/43



Right In: -1015.780+/-542.543 χ^2/NDF: 20.3/17

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

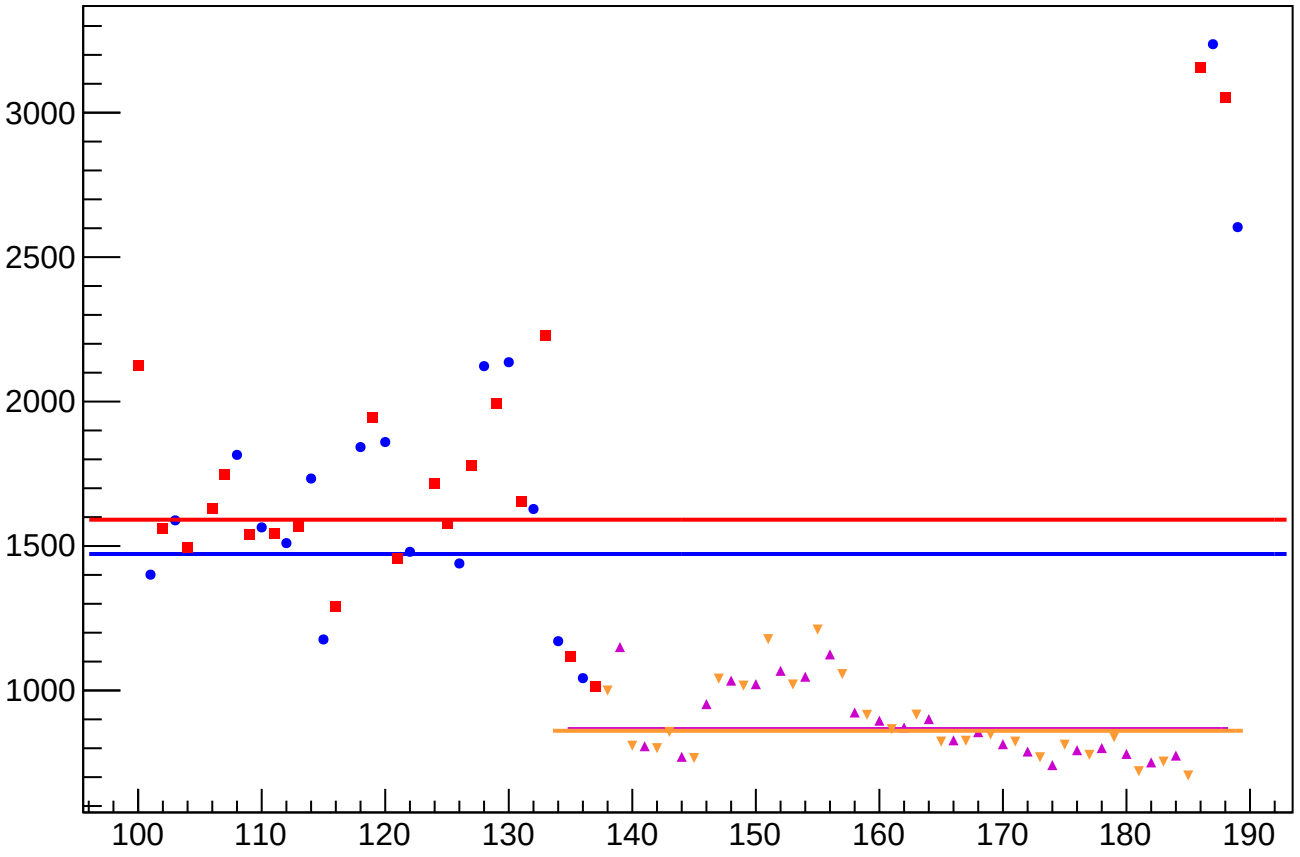
Right Out: -1016.593+/-556.929 χ^2/NDF: 13.3/20

Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

\+ sign -822.687+/-185.904 χ^2/NDF: 79.9/42

All: -508.248+/-133.529 χ^2/NDF: 132.2/86

\- sign -173.146+/-191.915 χ^2/NDF: 46.4/43



Right In: 1472.380+/-0.384 χ^2/NDF: 990685.3/17

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1591.121+/-0.394 χ^2/NDF: 1168964.7/20

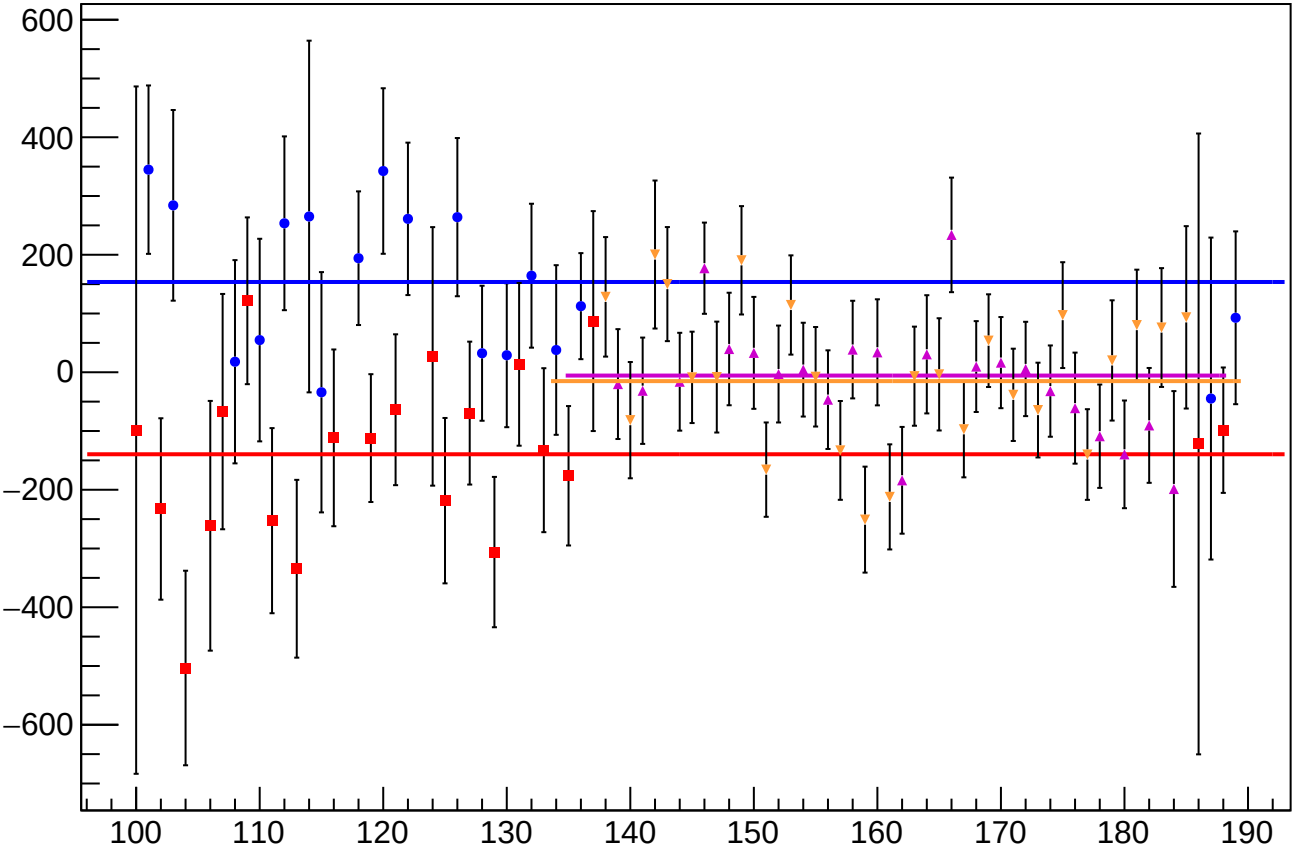
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

+ sign 932.335+/-0.131 χ^2/NDF: 3935177.0/42

All: 942.056+/-0.094 χ^2/NDF: 8713604.1/86

- sign 952.415+/-0.136 χ^2/NDF: 4767130.8/43

eigen_cor_asym_sam_24_68_dd_mean vs Slug



Right In: 153.647+/-33.041 χ^2/NDF: 11.8/17

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: -139.578+/-32.520 χ^2/NDF: 17.5/20

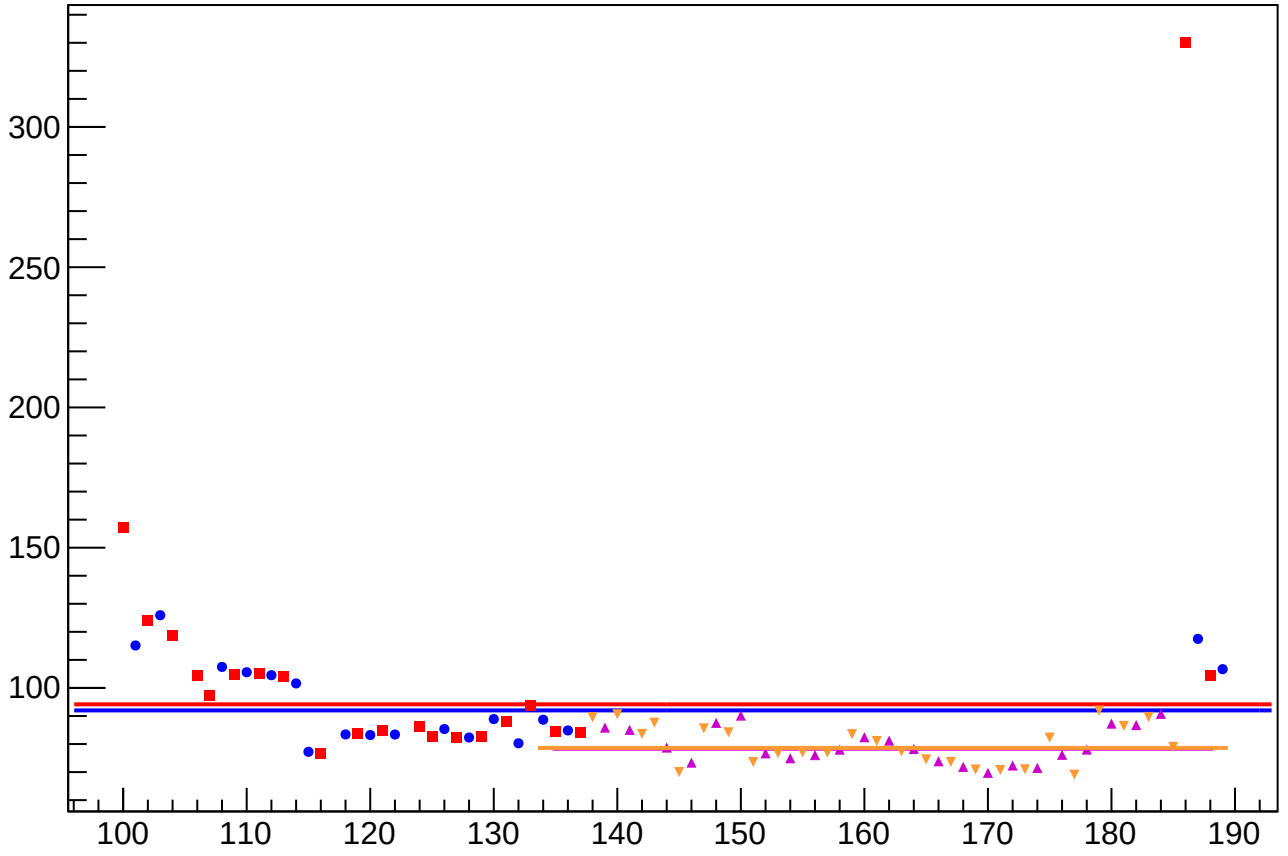
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

+ sign 23.379+/-15.777 χ^2/NDF: 73.6/42

All: -6.905+/-11.235 χ^2/NDF: 134.4/86

- sign -38.060+/-16.002 χ^2/NDF: 53.4/43

eigen_cor_asym_sam_24_68_dd_rms vs Slug



Right In: 91.992+/-0.023 χ^2/NDF: 312483.5/17

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

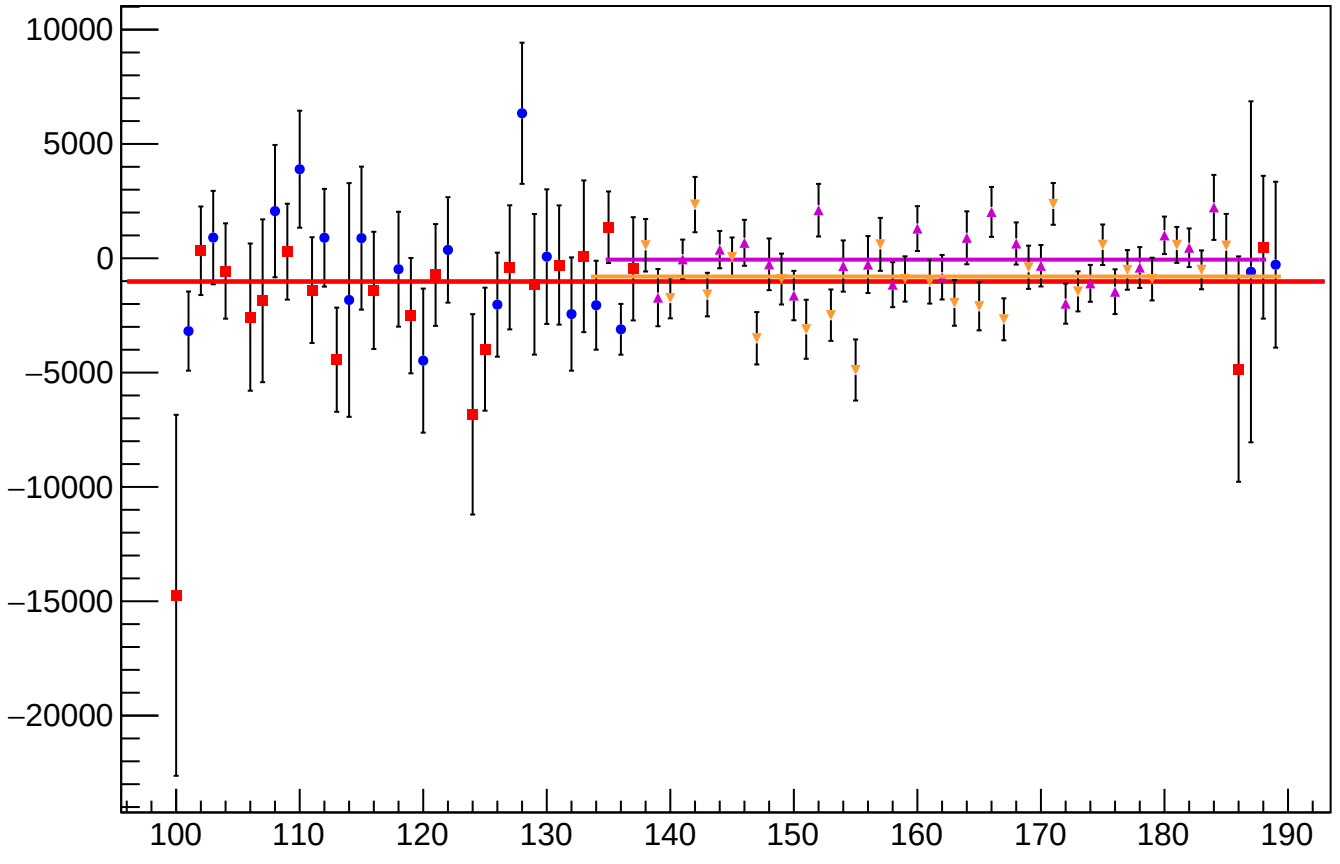
Right Out: 94.156+/-0.023 χ^2/NDF: 725146.3/20

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 81.668+/-0.011 χ^2/NDF: 872666.8/42

All: 81.913+/-0.008 χ^2/NDF: 2166721.5/86

- sign 82.165+/-0.011 χ^2/NDF: 1293073.7/43



Right In: -1015.780+/-542.543 χ^2/NDF: 20.3/17

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

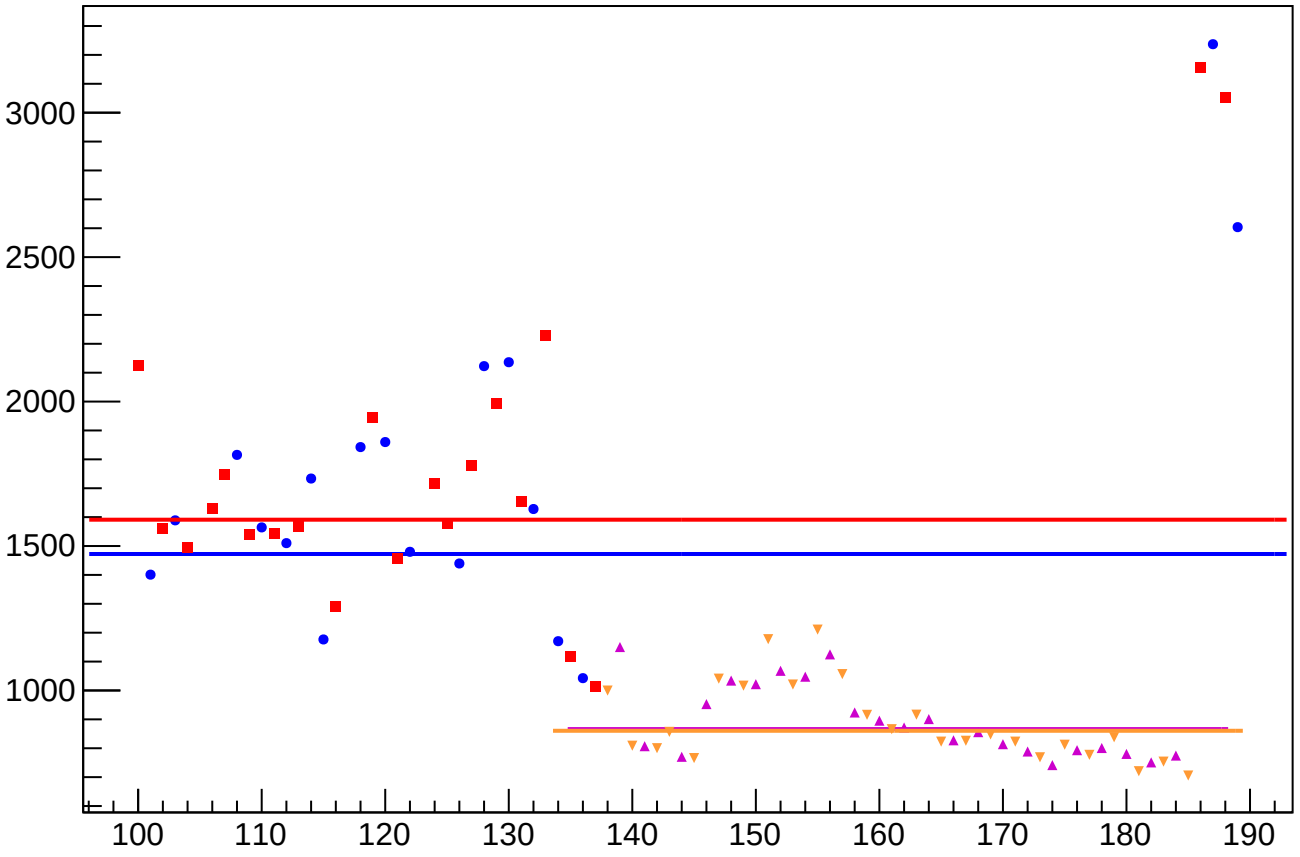
Right Out: -1016.593+/-556.929 χ^2/NDF: 13.3/20

Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

\+ sign -822.687+/-185.904 χ^2/NDF: 79.9/42

All: -508.248+/-133.529 χ^2/NDF: 132.2/86

\- sign -173.146+/-191.915 χ^2/NDF: 46.4/43



Right In: 1472.380+/-0.384 χ^2/NDF: 990685.3/17

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1591.121+/-0.394 χ^2/NDF: 1168964.7/20

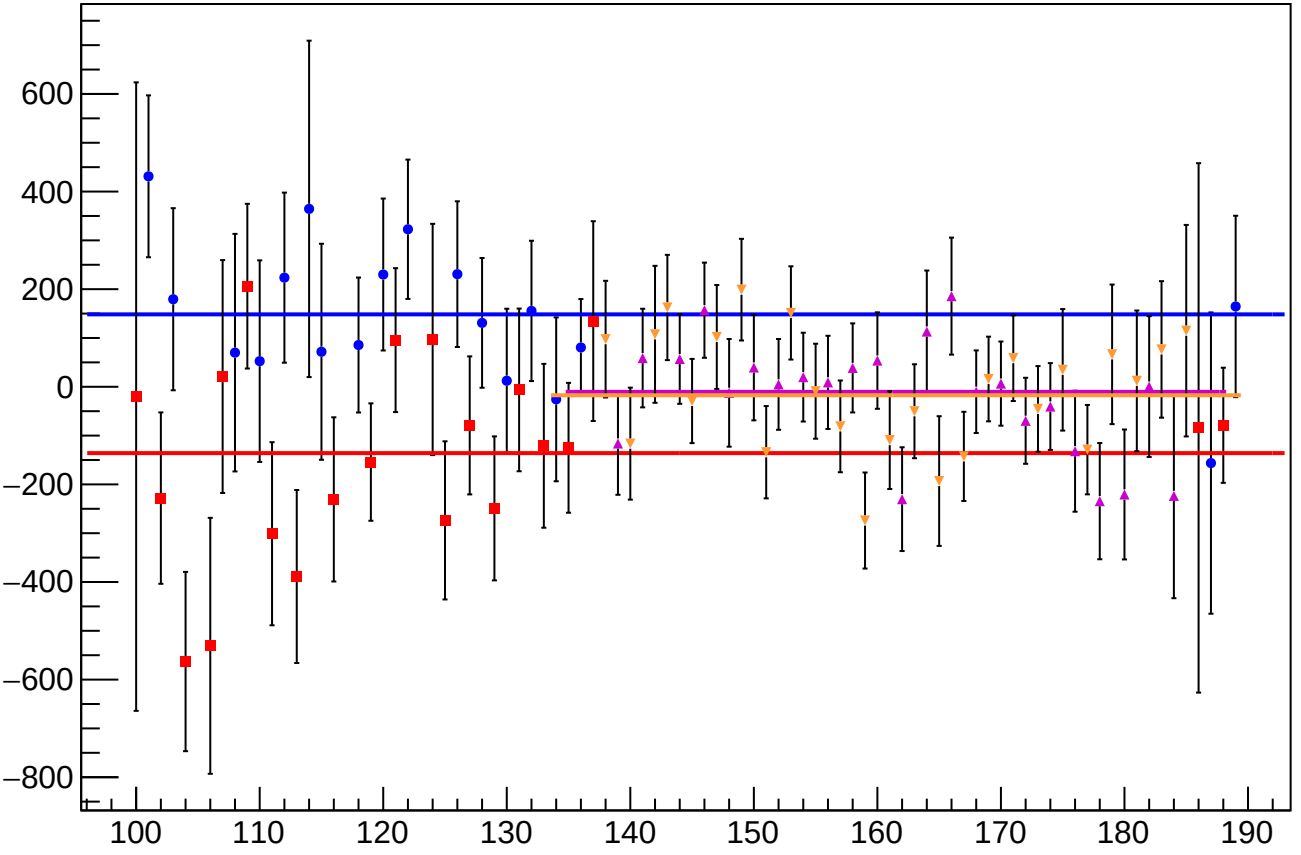
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

+ sign 932.335+/-0.131 χ^2/NDF: 3935177.0/42

All: 942.056+/-0.094 χ^2/NDF: 8713604.1/86

- sign 952.415+/-0.136 χ^2/NDF: 4767130.8/43

dit_asym_sam_24_68_dd_mean vs Slug



Right In: 148.382+/-38.289 χ^2/NDF: 9.6/17

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: -135.885+/-37.231 χ^2/NDF: 23.2/20

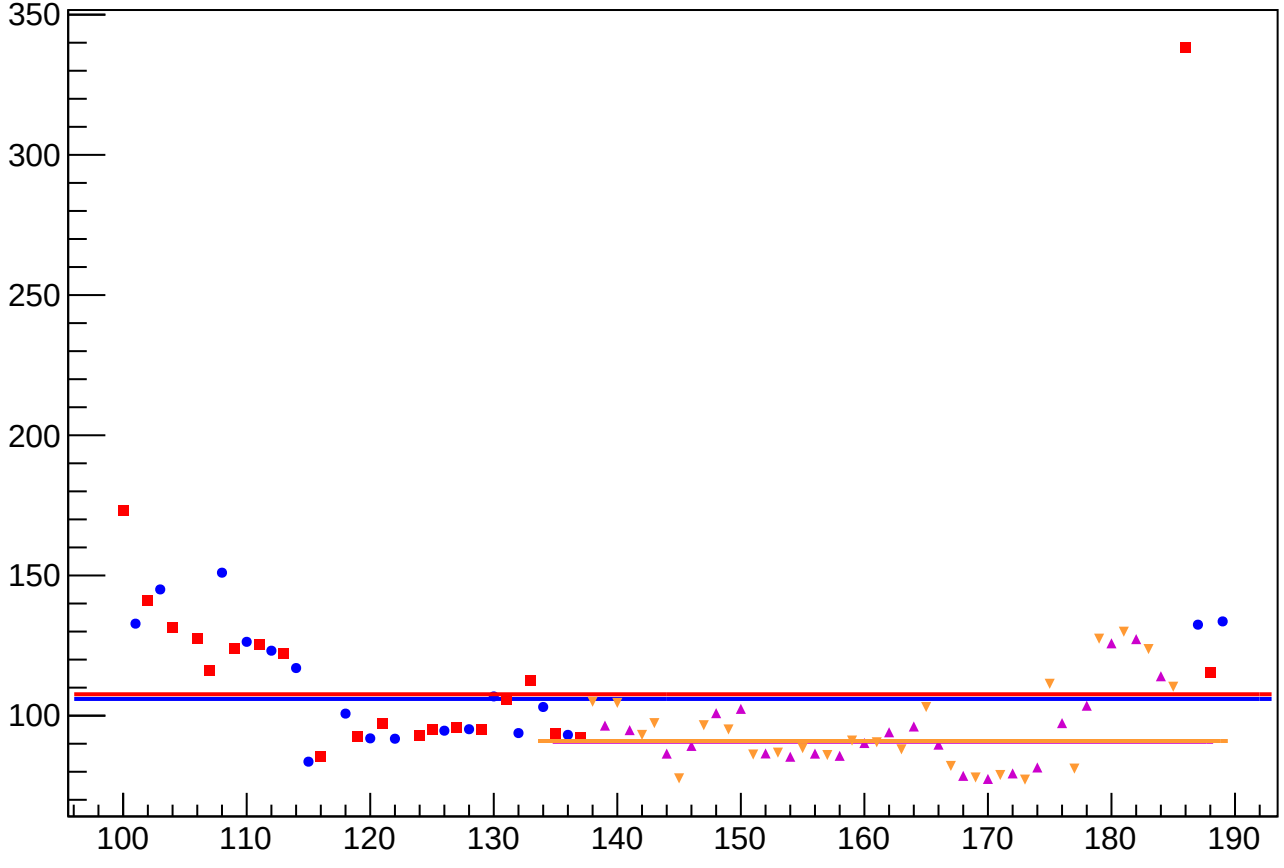
Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 20.933+/-18.404 χ^2/NDF: 55.2/42

All: -10.064+/-13.089 χ^2/NDF: 115.3/86

- sign -41.797+/-18.621 χ^2/NDF: 54.3/43

dit_asym_sam_24_68_dd_rms vs Slug



Right In: 105.964+/-0.027 χ^2/NDF: 440939.6/17

Left Out: 90.967+/-0.015 χ^2/NDF:784523.6/24

Right Out: 107.636+/-0.026 χ^2/NDF: 720039.3/20

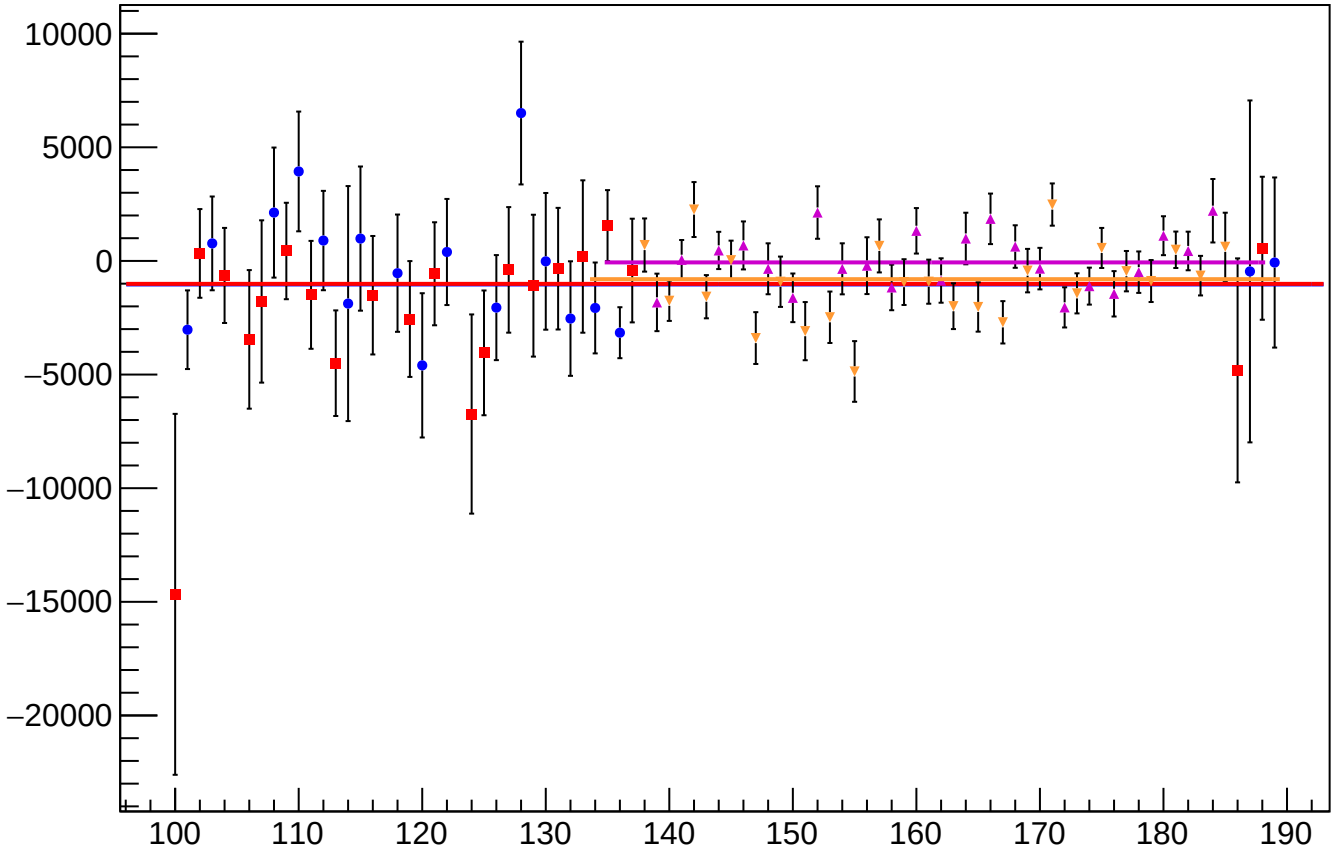
Left In: 90.690+/-0.015 χ^2/NDF:545969.6/22

+ sign 94.432+/-0.013 χ^2/NDF: 1461424.9/42

All: 94.677+/-0.009 χ^2/NDF: 3038840.1/86

- sign 94.929+/-0.013 χ^2/NDF: 1576694.0/43

asym_sam_24_68_dd_dit_correction_mean vs Slug



Right In: -1034.794+/-550.080 χ^2/NDF: 20.1/17

Left Out: -802.532+/-199.851 χ^2/NDF:58.3/24

Right Out: -1009.367+/-562.035 χ^2/NDF: 14.1/20

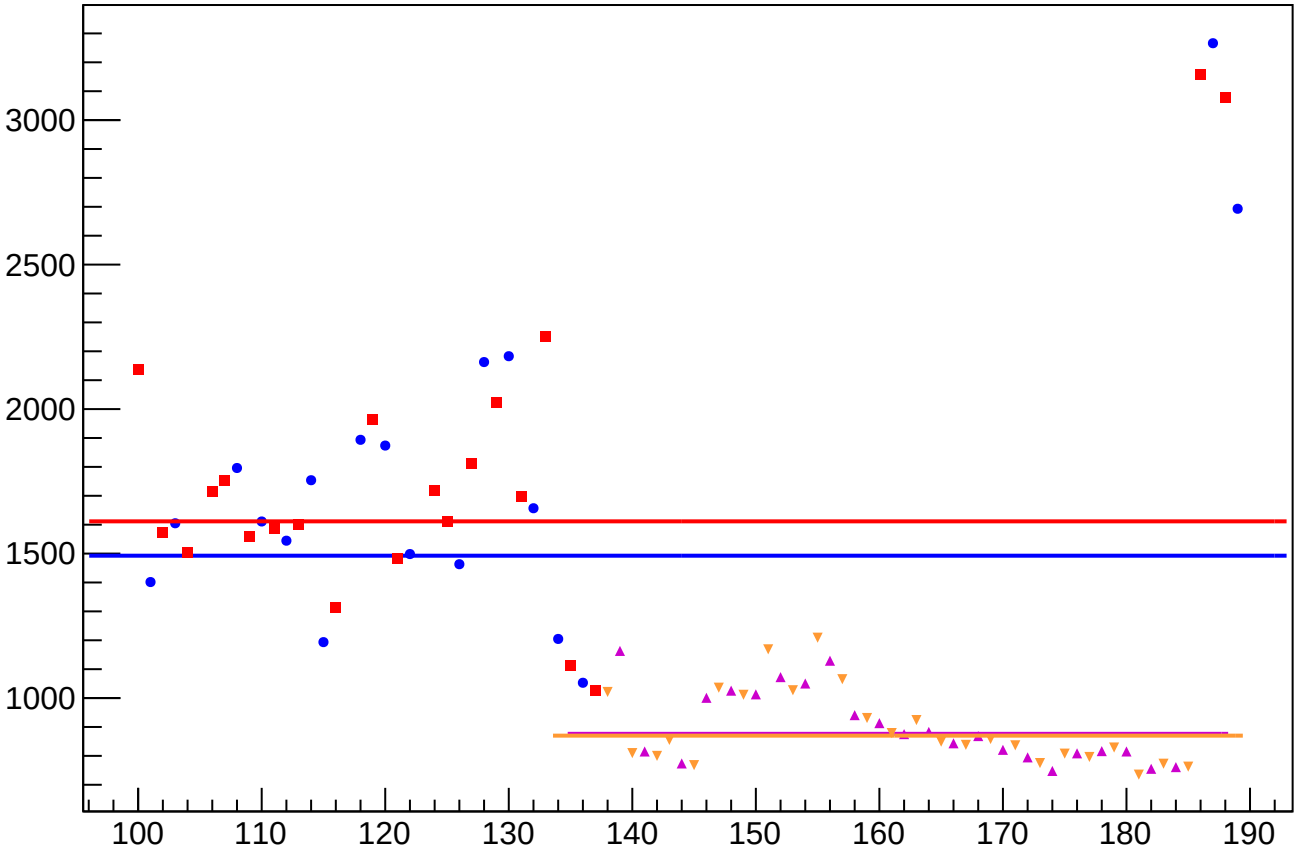
Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

+ sign -829.615+/-187.838 χ^2/NDF: 78.6/42

All: -514.129+/-134.940 χ^2/NDF: 131.8/86

- sign -177.683+/-193.978 χ^2/NDF: 47.3/43

asym_sam_24_68_dd_dit_correction_rms vs Slug



Right In: 1492.697+/-0.389 χ^2/NDF: 1010231.6/17

Left Out: 870.009+/-0.141 χ^2/NDF:647274.1/24

Right Out: 1611.558+/-0.397 χ^2/NDF: 1180024.4/20

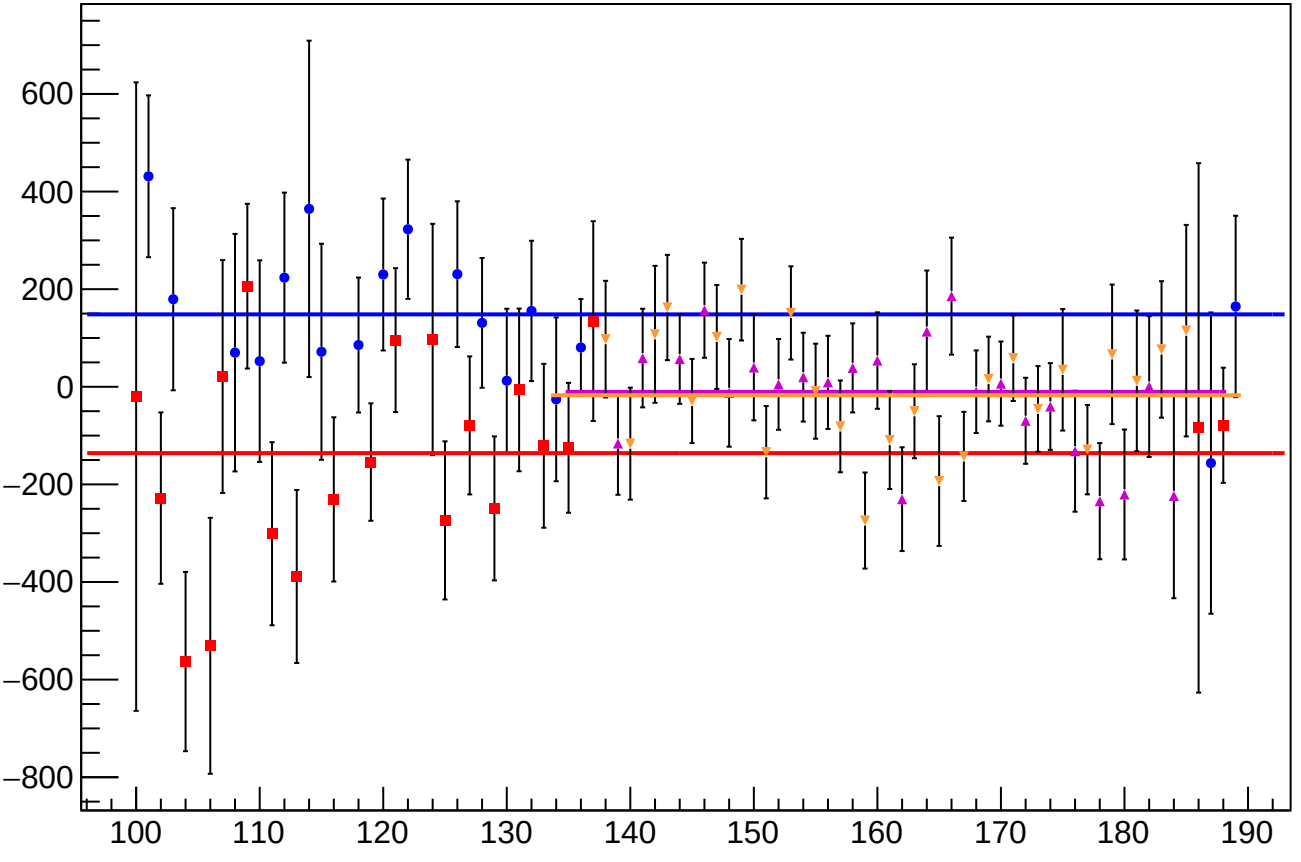
Left In: 876.273+/-0.146 χ^2/NDF:597200.7/22

\+ sign 942.617+/-0.133 χ^2/NDF: 3921492.1/42

All: 952.896+/-0.095 χ^2/NDF: 8726406.2/86

\- sign 963.858+/-0.137 χ^2/NDF: 4792537.1/43

eigen_dit_asym_sam_24_68_dd_mean vs Slug



Right In: 148.384+/-38.289 χ^2/NDF: 9.6/17

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: -135.884+/-37.231 χ^2/NDF: 23.2/20

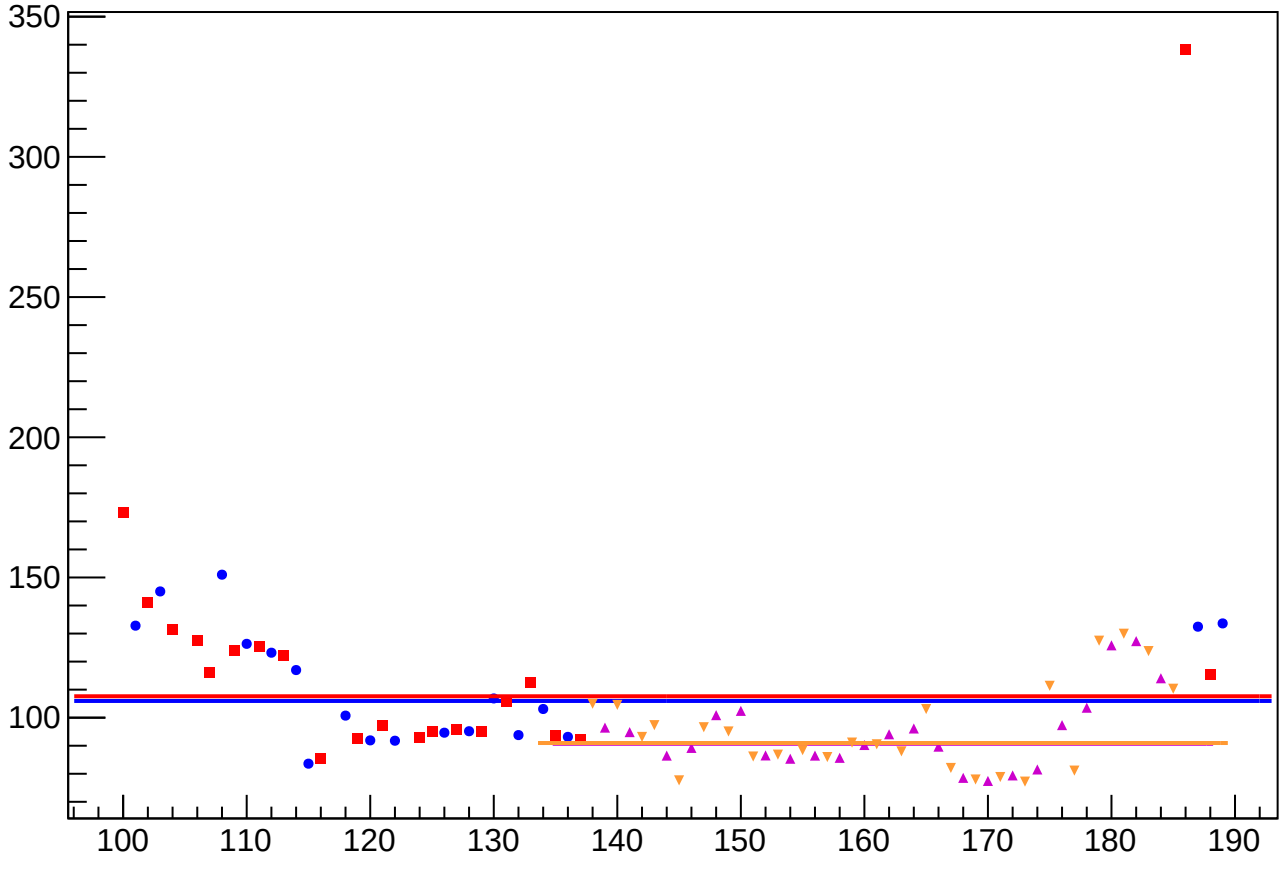
Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 20.934+/-18.403 χ^2/NDF: 55.2/42

All: -10.063+/-13.089 χ^2/NDF: 115.3/86

- sign -41.797+/-18.621 χ^2/NDF: 54.3/43

eigen_dit_asym_sam_24_68_dd_rms vs Slug



Right In: 105.963+/-0.027 χ^2/NDF: 440943.5/17

Left Out: 90.967+/-0.015 χ^2/NDF:784529.9/24

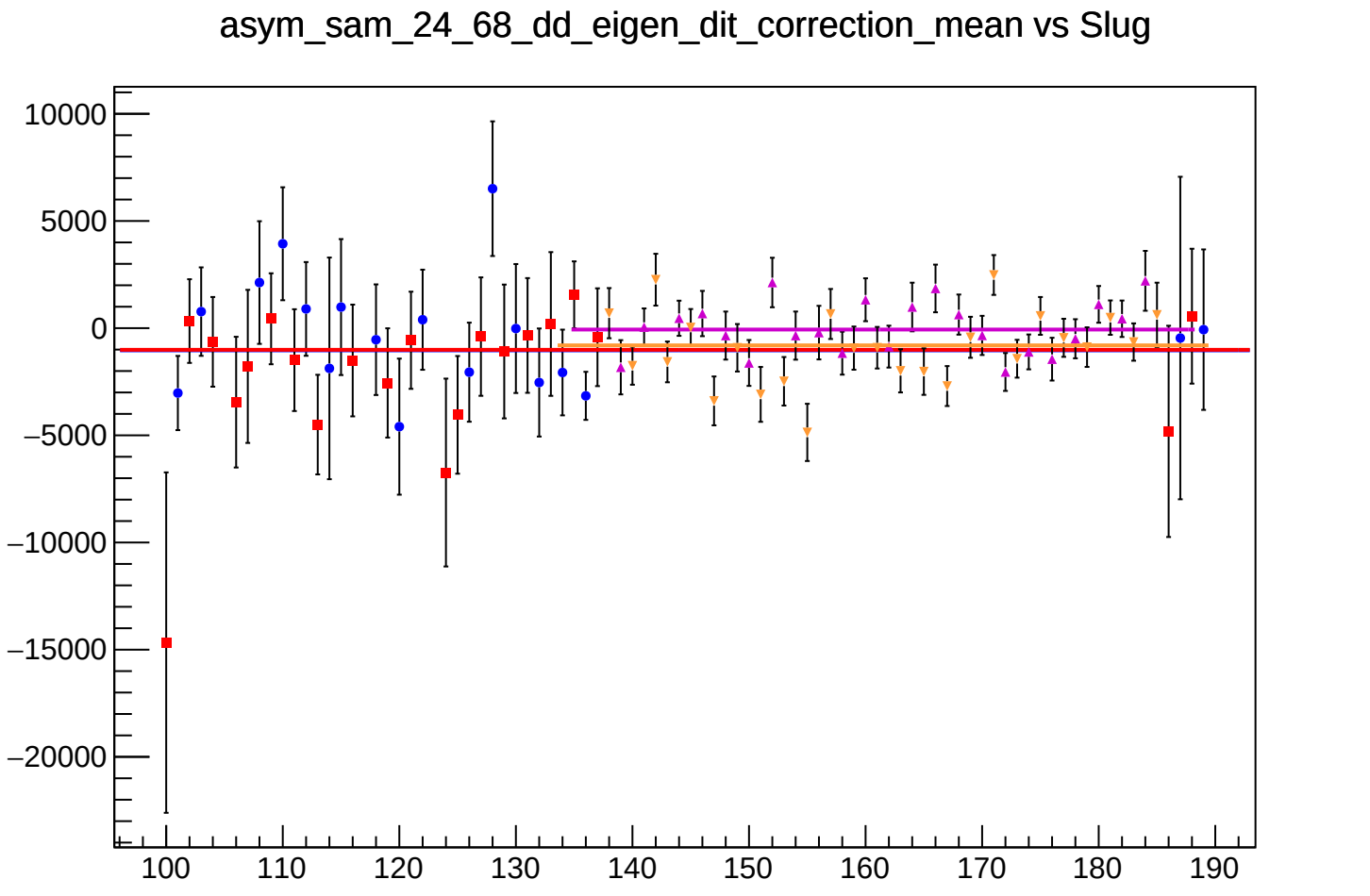
Right Out: 107.635+/-0.026 χ^2/NDF: 720042.4/20

Left In: 90.690+/-0.015 χ^2/NDF:545960.7/22

+ sign 94.432+/-0.013 χ^2/NDF: 1461404.0/42

All: 94.677+/-0.009 χ^2/NDF: 3038792.3/86

- sign 94.929+/-0.013 χ^2/NDF: 1576667.2/43



Right In: -1034.790+/-550.079 χ^2/NDF: 20.1/17

Left Out: -802.531+/-199.851 χ^2/NDF:58.3/24

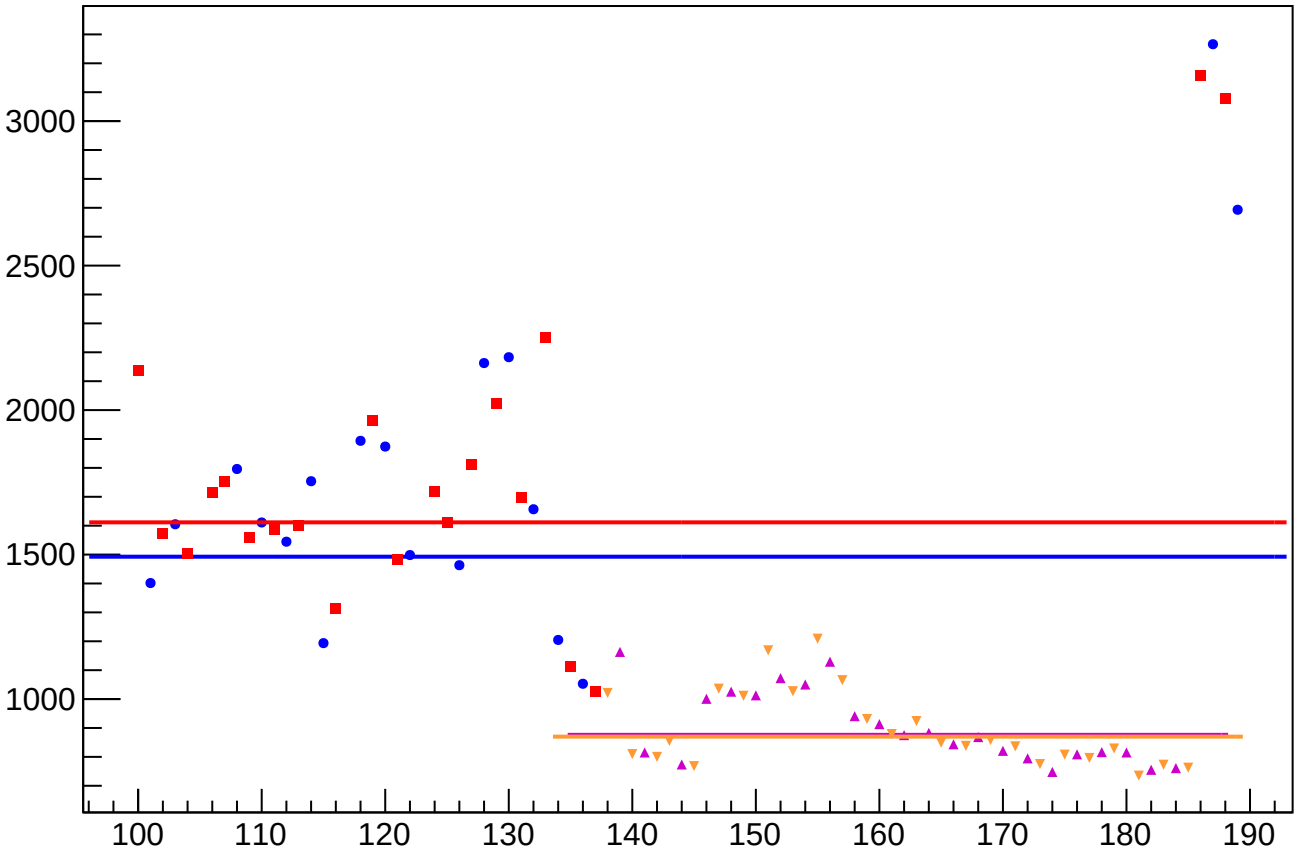
Right Out: -1009.367+/-562.034 χ^2/NDF: 14.1/20

Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

+ sign -829.614+/-187.838 χ^2/NDF: 78.6/42

All: -514.128+/-134.940 χ^2/NDF: 131.8/86

- sign -177.683+/-193.977 χ^2/NDF: 47.3/43



Right In: 1492.694+/-0.389 χ^2/NDF: 1010229.2/17

Left Out: 870.008+/-0.141 χ^2/NDF:647275.9/24

Right Out: 1611.555+/-0.397 χ^2/NDF: 1180025.9/20

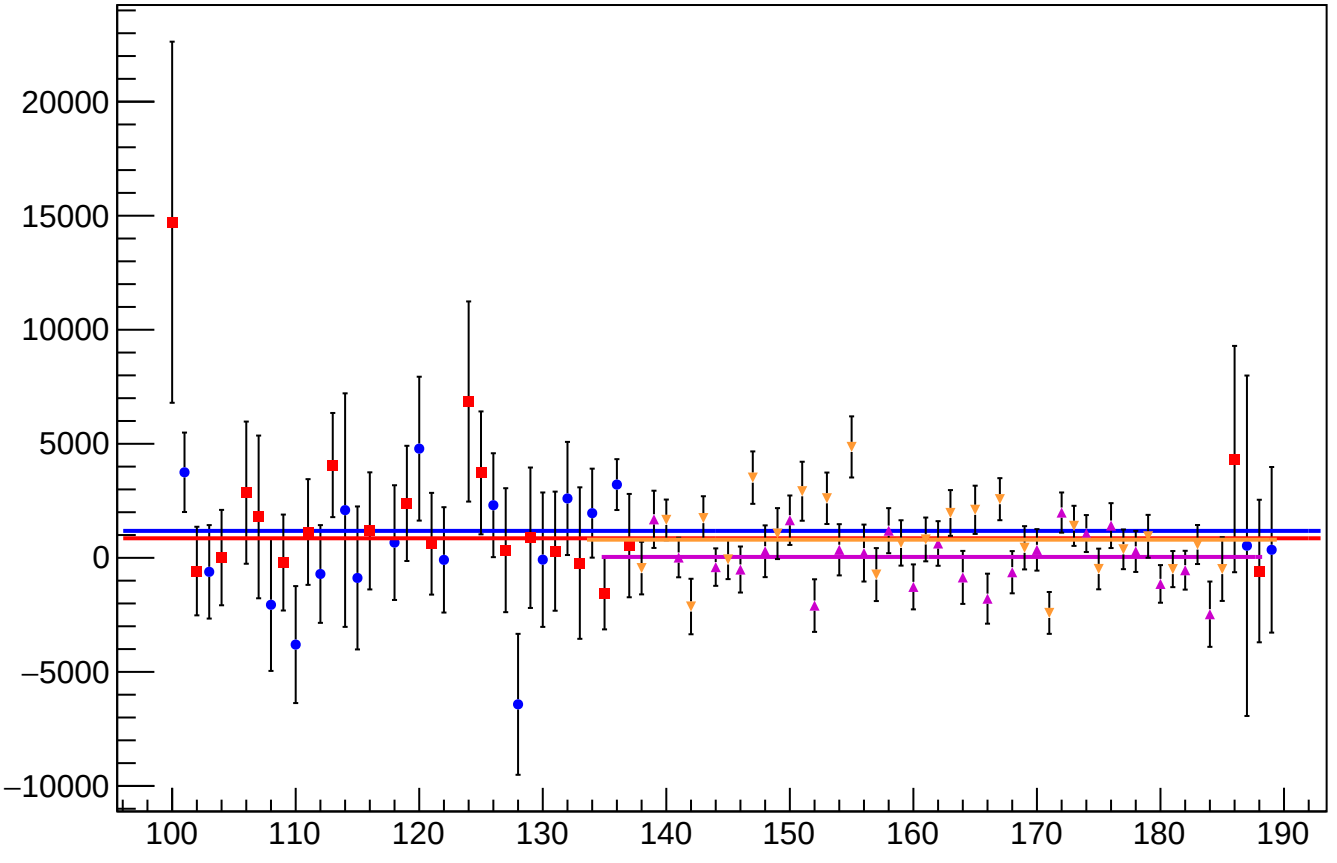
Left In: 876.272+/-0.146 χ^2/NDF:597200.9/22

+ sign 942.616+/-0.133 χ^2/NDF: 3921485.2/42

All: 952.895+/-0.095 χ^2/NDF: 8726393.1/86

- sign 963.858+/-0.137 χ^2/NDF: 4792531.1/43

asym_sam_24_68_dd_mean vs Slug



Right In: 1181.964+/-544.014 χ^2/NDF: 21.2/17

Left Out: 796.287+/-198.802 χ^2/NDF:57.2/24

Right Out: 857.360+/-557.564 χ^2/NDF: 13.2/20

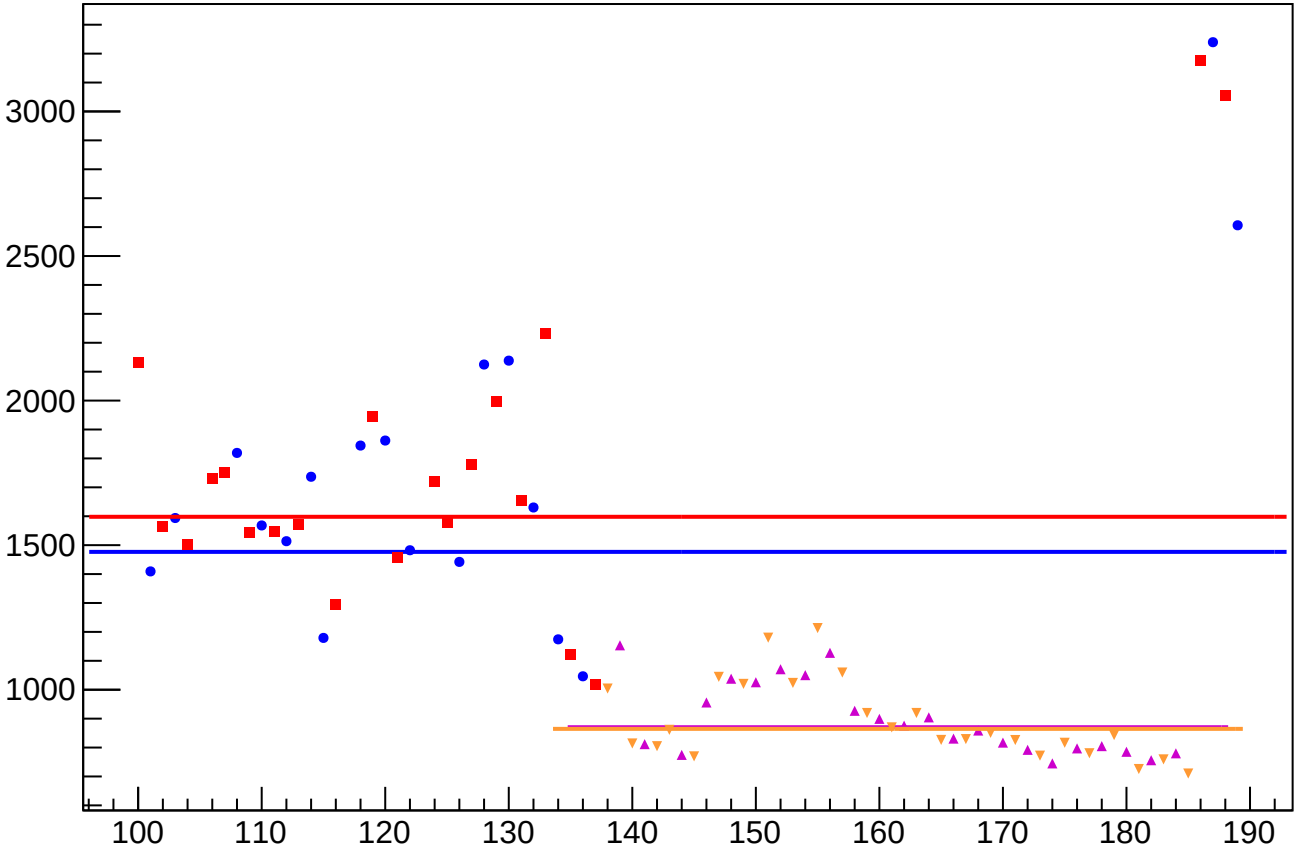
Left In: 39.746+/-205.349 χ^2/NDF:29.7/22

+ sign 841.724+/-186.725 χ^2/NDF: 78.8/42

All: 500.645+/-134.096 χ^2/NDF: 130.5/86

- sign 137.403+/-192.696 χ^2/NDF: 44.8/43

asym_sam_24_68_dd_rms vs Slug



Right In: 1476.748+/-0.385 χ^2/NDF: 984266.1/17

Left Out: 864.637+/-0.141 χ^2/NDF:688948.2/24

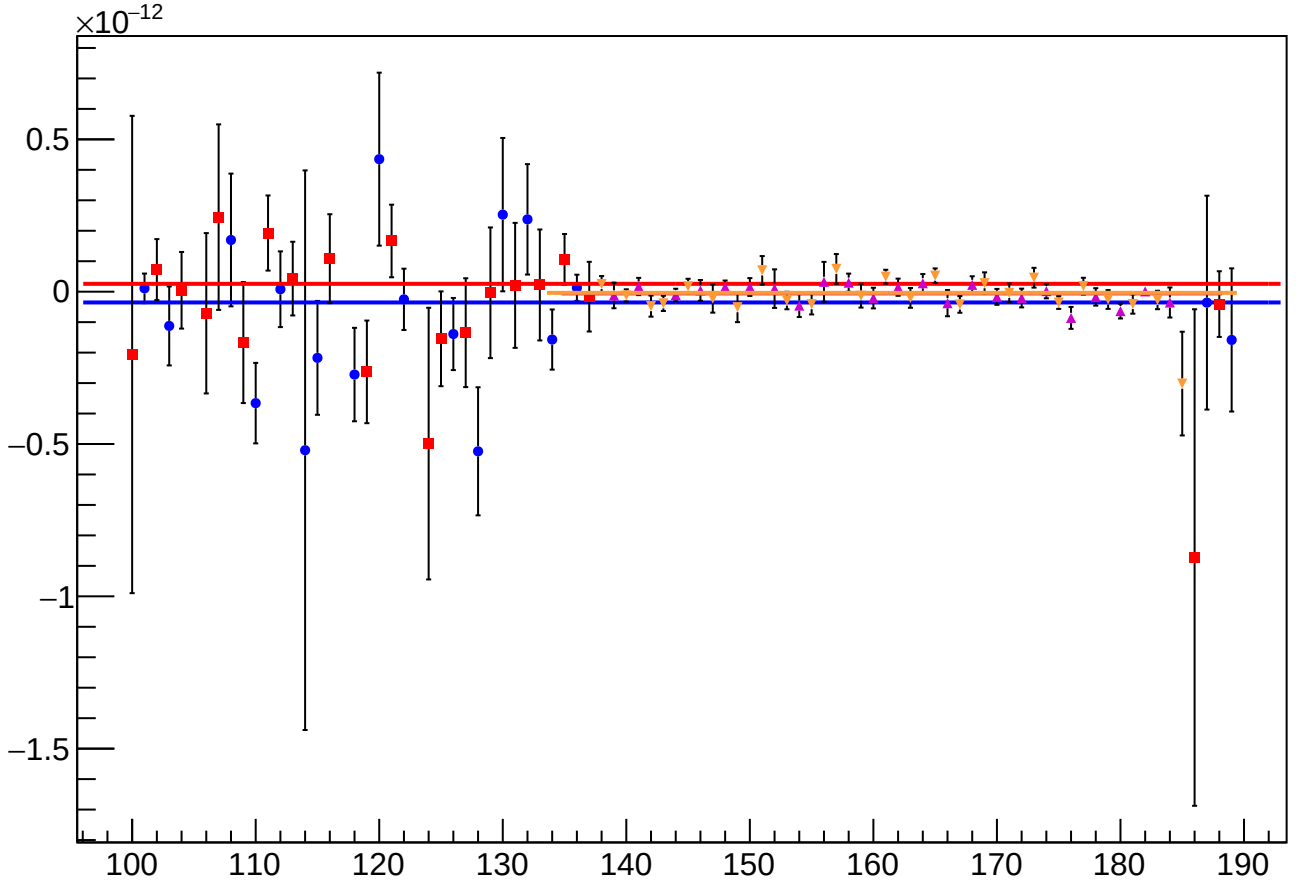
Right Out: 1598.105+/-0.394 χ^2/NDF: 1169356.9/20

Left In: 870.346+/-0.145 χ^2/NDF:604520.6/22

+ sign 936.750+/-0.132 χ^2/NDF: 3906954.5/42

All: 946.687+/-0.095 χ^2/NDF: 8692898.6/86

- sign 957.271+/-0.136 χ^2/NDF: 4774245.9/43



Right In: -0.000+/-0.000 χ^2/NDF: 27.7/17

Left Out: -0.000+/-0.000 χ^2/NDF:38.7/24

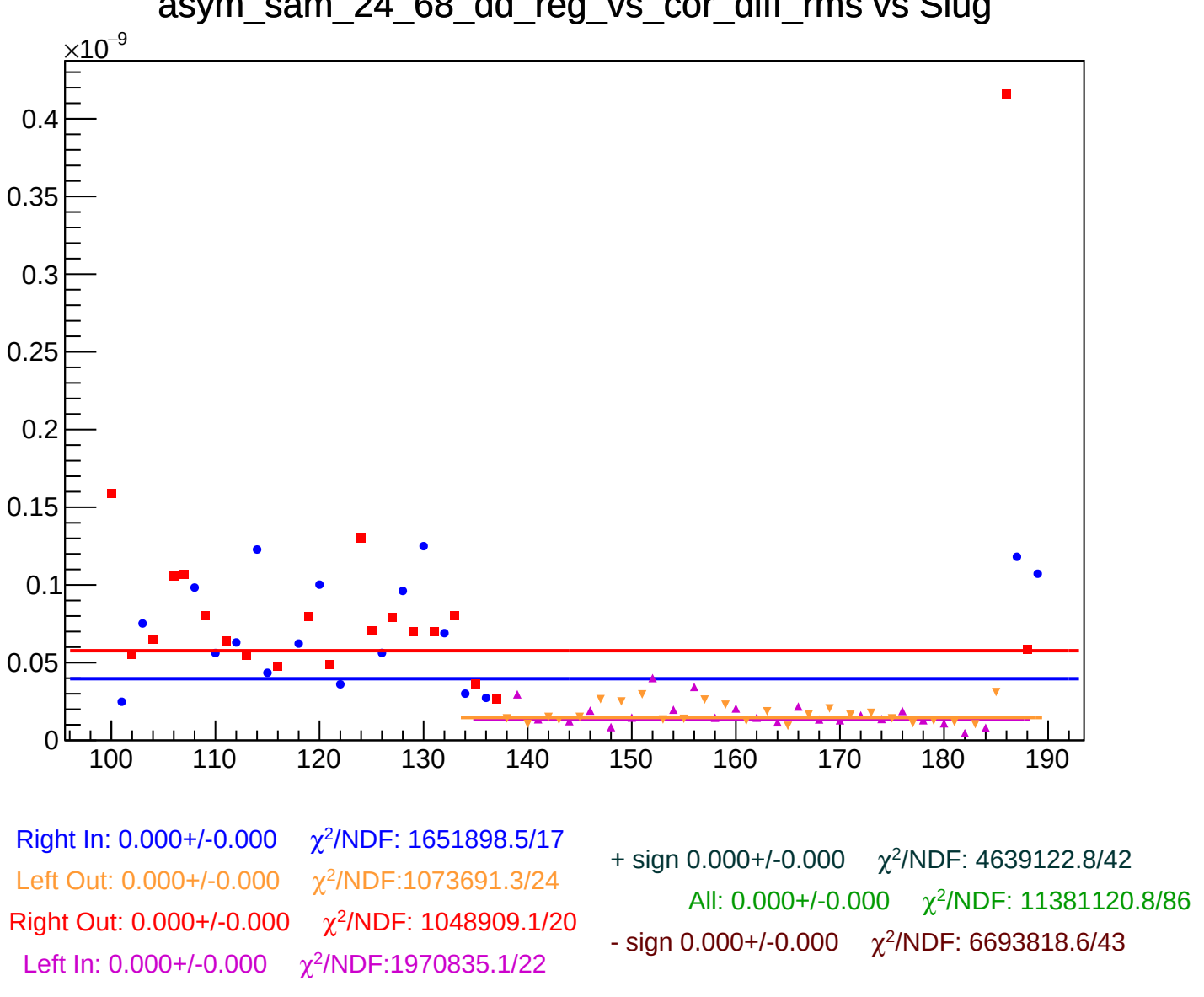
Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/20

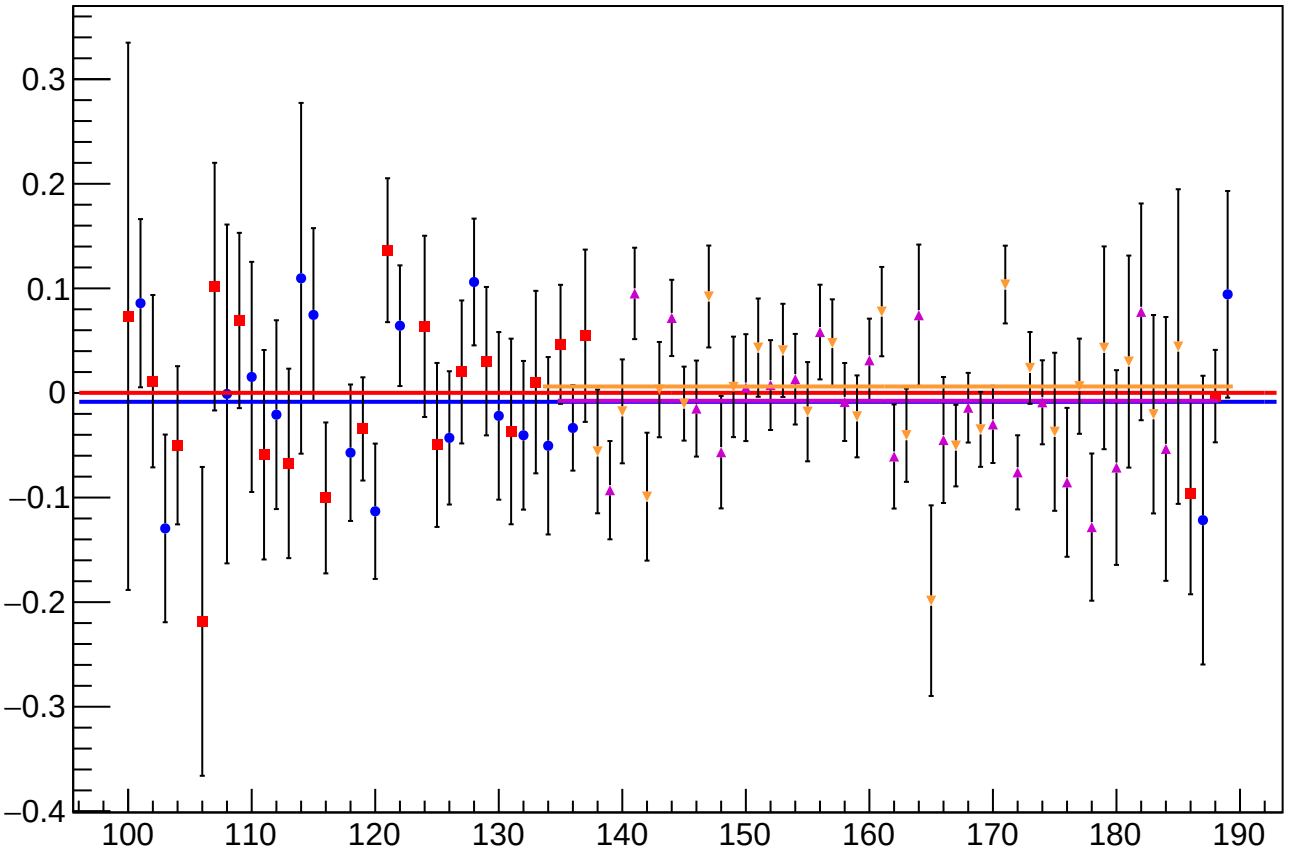
Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 67.9/42

All: -0.000+/-0.000 χ^2/NDF: 104.1/86

- sign -0.000+/-0.000 χ^2/NDF: 36.2/43


asym_sam_24_68_dd_reg_vs_cor_diff_rms vs Slug
×10^−9
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1651898.5/17
Left Out: 0.000+/-0.000 χ²/NDF:1073691.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 1048909.1/20
Left In: 0.000+/-0.000 χ²/NDF:1970835.1/22
+ sign 0.000+/-0.000 χ²/NDF: 4639122.8/42
All: 0.000+/-0.000 χ²/NDF: 11381120.8/86
- sign 0.000+/-0.000 χ²/NDF: 6693818.6/43



Right In: -0.008+/-0.018 χ^2/NDF: 16.0/17

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.000+/-0.016 χ^2/NDF: 14.9/20

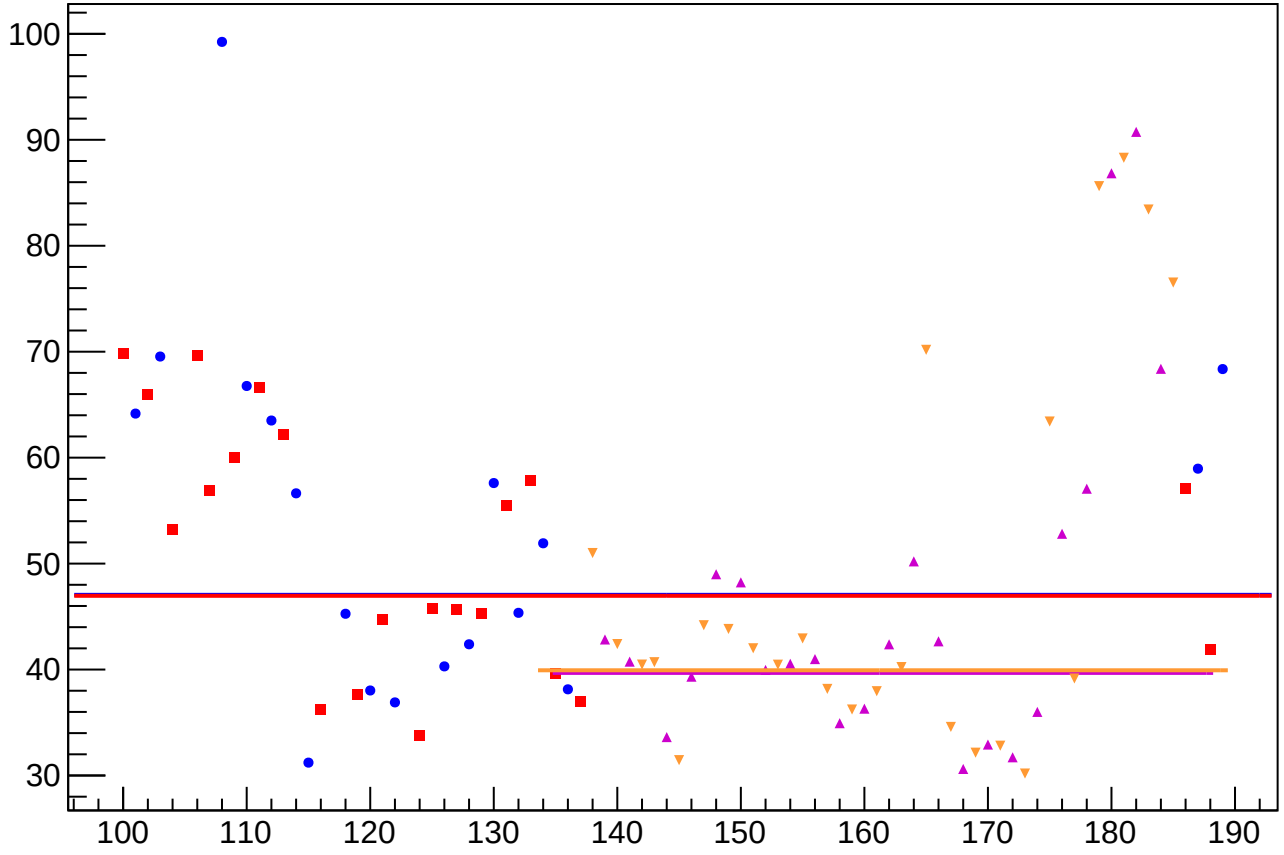
Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.003+/-0.008 χ^2/NDF: 47.3/42

All: -0.001+/-0.006 χ^2/NDF: 93.3/86

- sign -0.006+/-0.008 χ^2/NDF: 45.5/43

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs Slug



Right In: 47.051+/-0.012 χ^2/NDF: 1016342.2/17

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

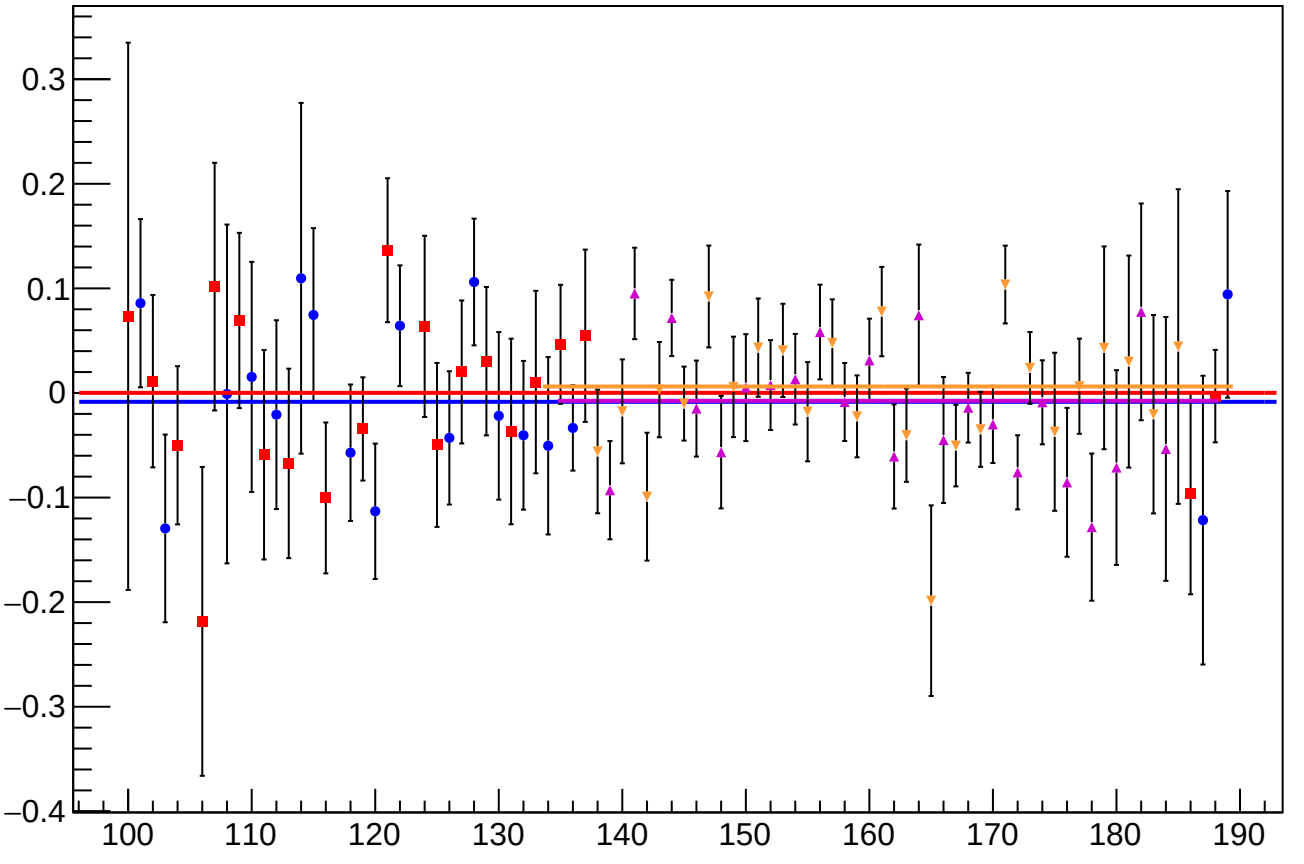
Right Out: 46.961+/-0.012 χ^2/NDF: 703997.5/20

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 41.562+/-0.006 χ^2/NDF: 3745399.8/42

All: 41.569+/-0.004 χ^2/NDF: 6653159.5/86

- sign 41.576+/-0.006 χ^2/NDF: 2907756.7/43



Right In: -0.008+/-0.018 χ^2/NDF: 16.0/17

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

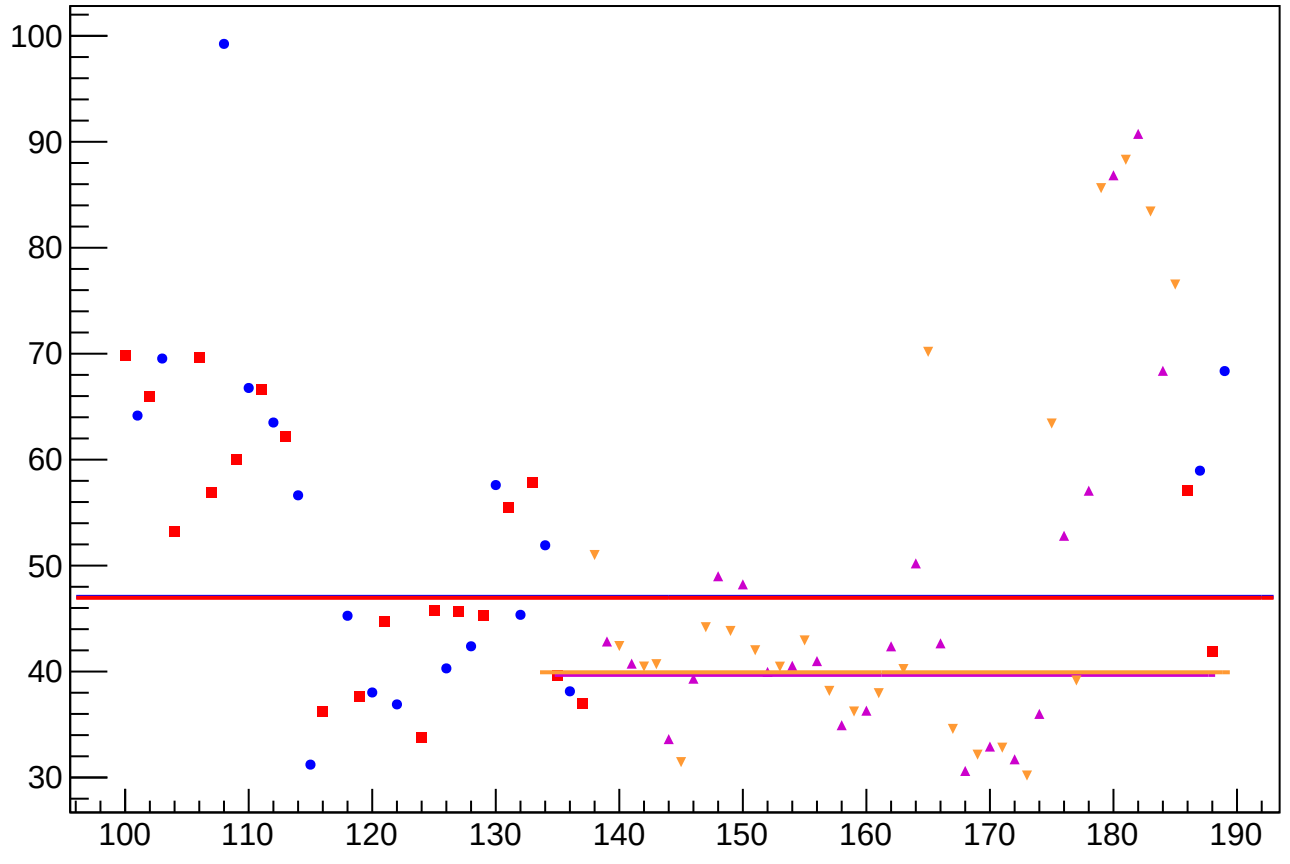
Right Out: 0.000+/-0.016 χ^2/NDF: 14.9/20

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.003+/-0.008 χ^2/NDF: 47.3/42

All: -0.001+/-0.006 χ^2/NDF: 93.3/86

- sign -0.006+/-0.008 χ^2/NDF: 45.5/43



Right In: 47.051+/-0.012 χ^2/NDF: 1016342.2/17

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

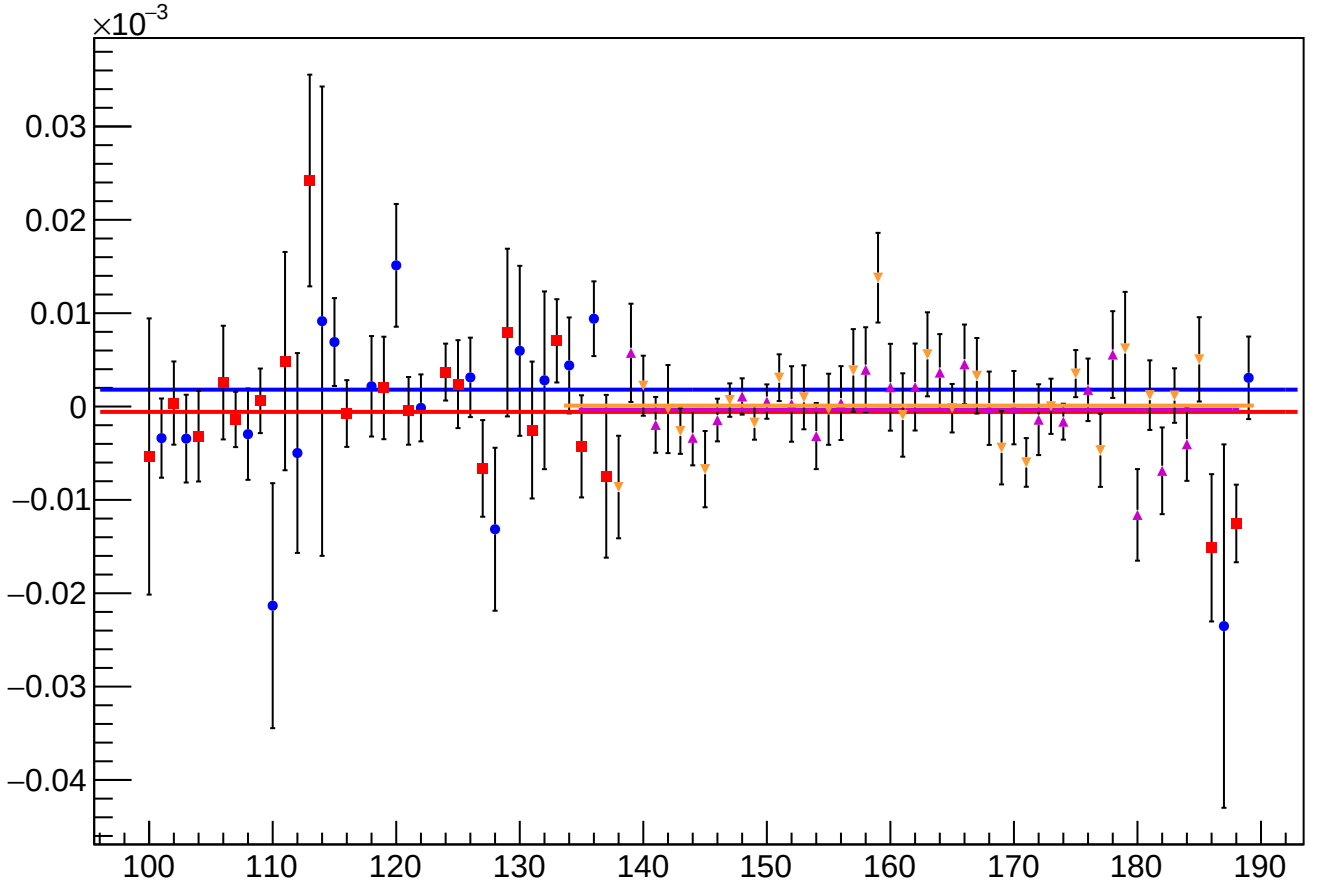
Right Out: 46.961+/-0.012 χ^2/NDF: 703997.5/20

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 41.562+/-0.006 χ^2/NDF: 3745399.8/42

All: 41.569+/-0.004 χ^2/NDF: 6653159.5/86

- sign 41.576+/-0.006 χ^2/NDF: 2907756.7/43



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:33.2/24

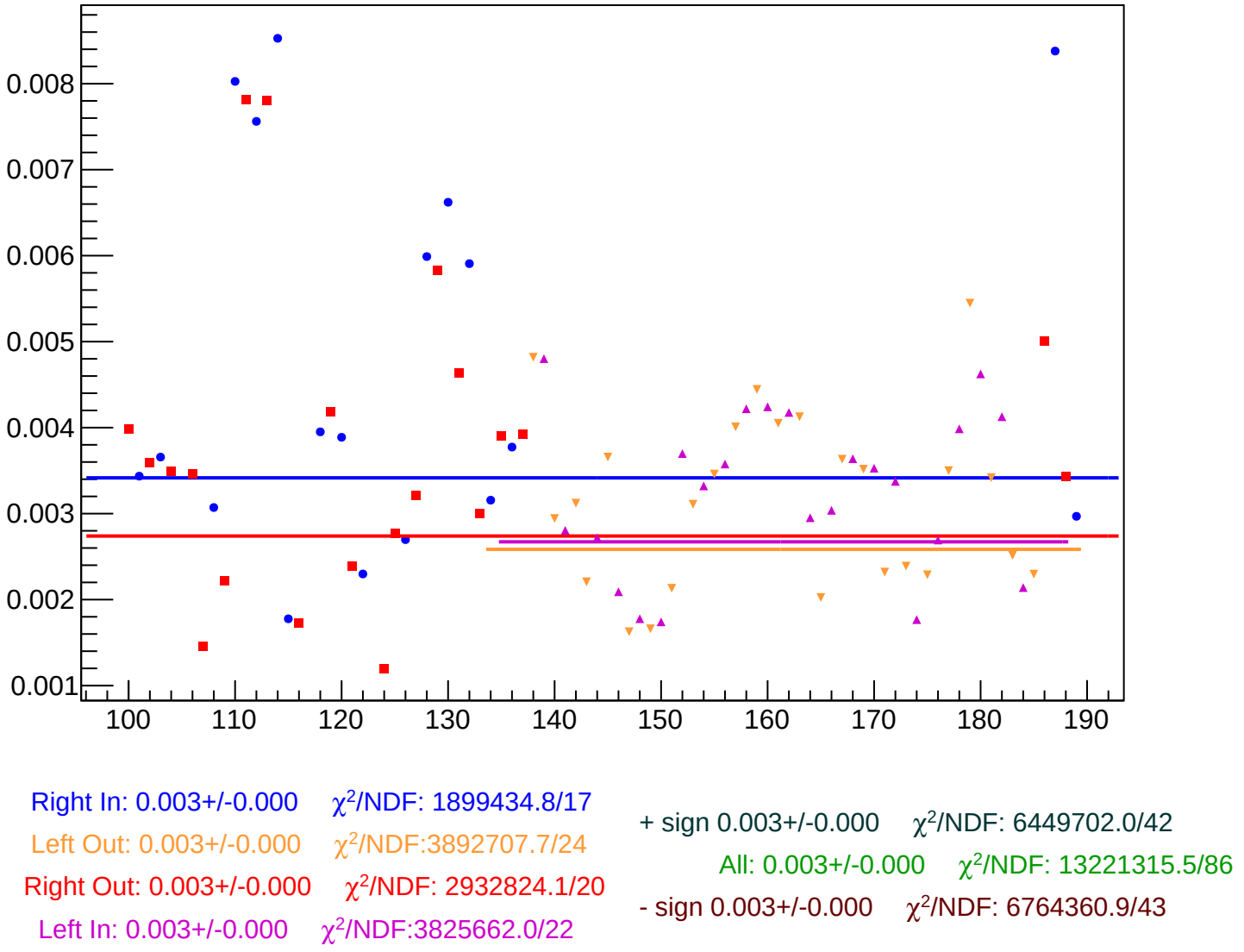
Right Out: -0.000+/-0.000 χ^2/NDF: 26.5/20

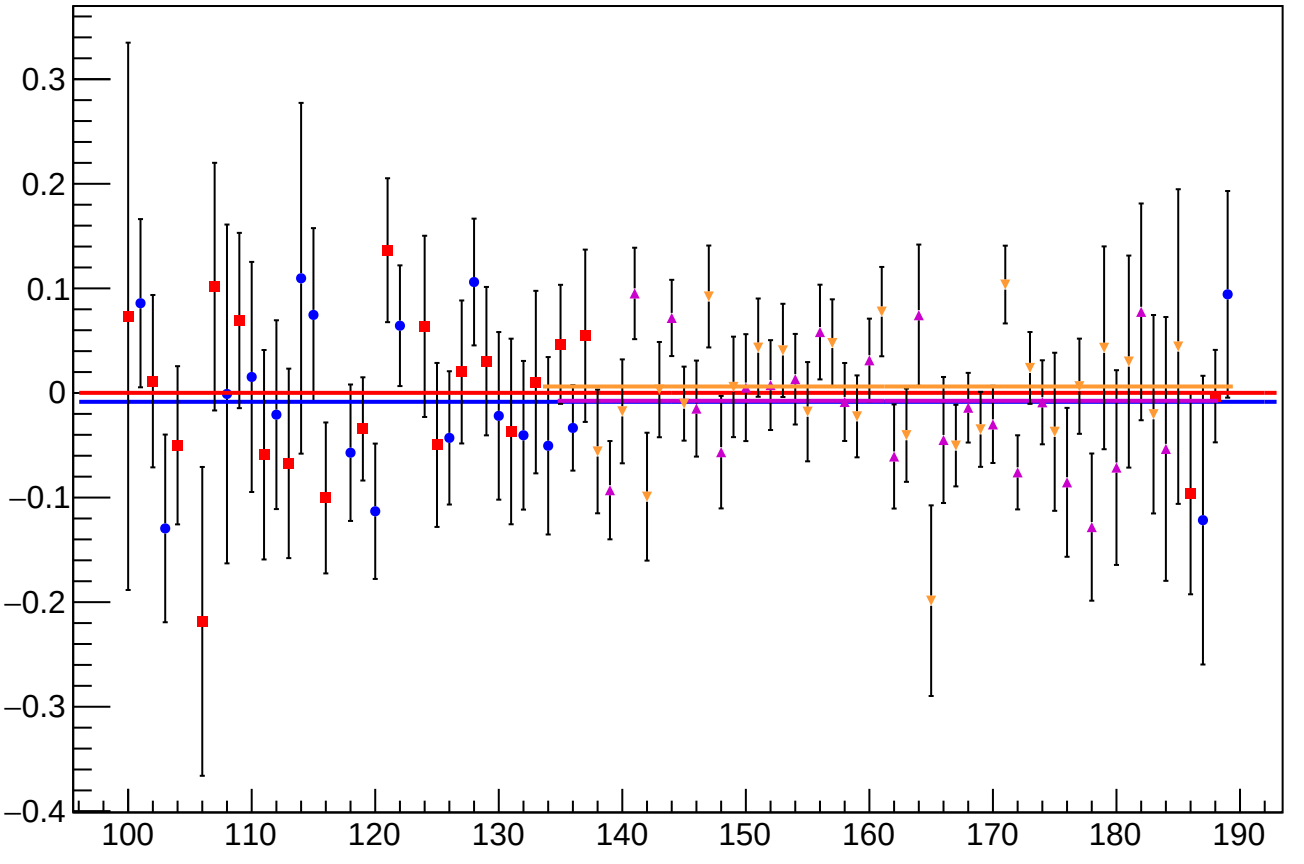
Left In: -0.000+/-0.000 χ^2/NDF:18.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 56.3/42

All: -0.000+/-0.000 χ^2/NDF: 102.7/86

- sign -0.000+/-0.000 χ^2/NDF: 45.2/43


asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
170
180
190
Right In: 0.003+/-0.000 χ²/NDF: 1899434.8/17
Left Out: 0.003+/-0.000 χ²/NDF:3892707.7/24
Right Out: 0.003+/-0.000 χ²/NDF: 2932824.1/20
Left In: 0.003+/-0.000 χ²/NDF:3825662.0/22
+ sign 0.003+/-0.000 χ²/NDF: 6449702.0/42
All: 0.003+/-0.000 χ²/NDF: 13221315.5/86
- sign 0.003+/-0.000 χ²/NDF: 6764360.9/43



Right In: -0.008+/-0.018 χ^2/NDF: 16.0/17

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.000+/-0.016 χ^2/NDF: 14.9/20

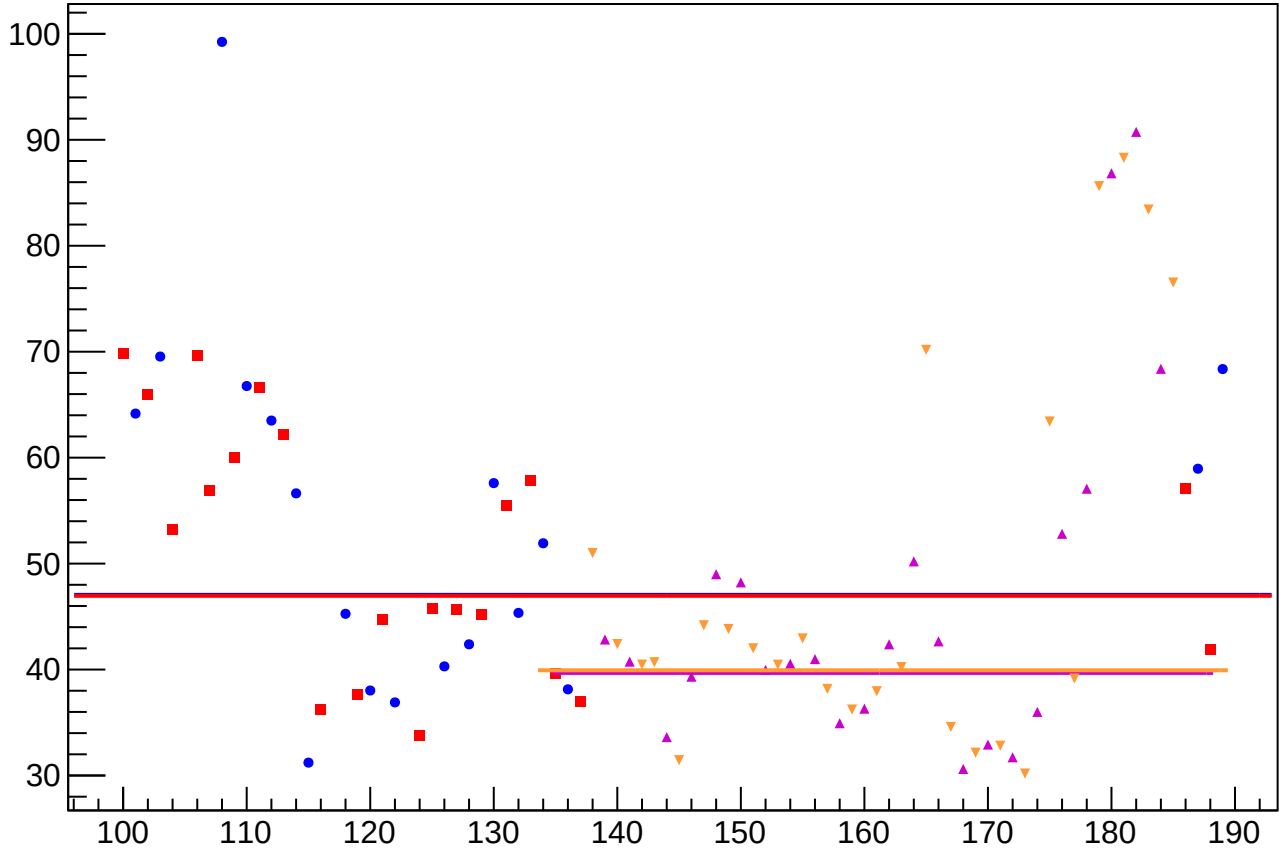
Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.003+/-0.008 χ^2/NDF: 47.3/42

All: -0.001+/-0.006 χ^2/NDF: 93.3/86

- sign -0.006+/-0.008 χ^2/NDF: 45.5/43

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 47.049+/-0.012 χ^2/NDF: 1016323.6/17

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

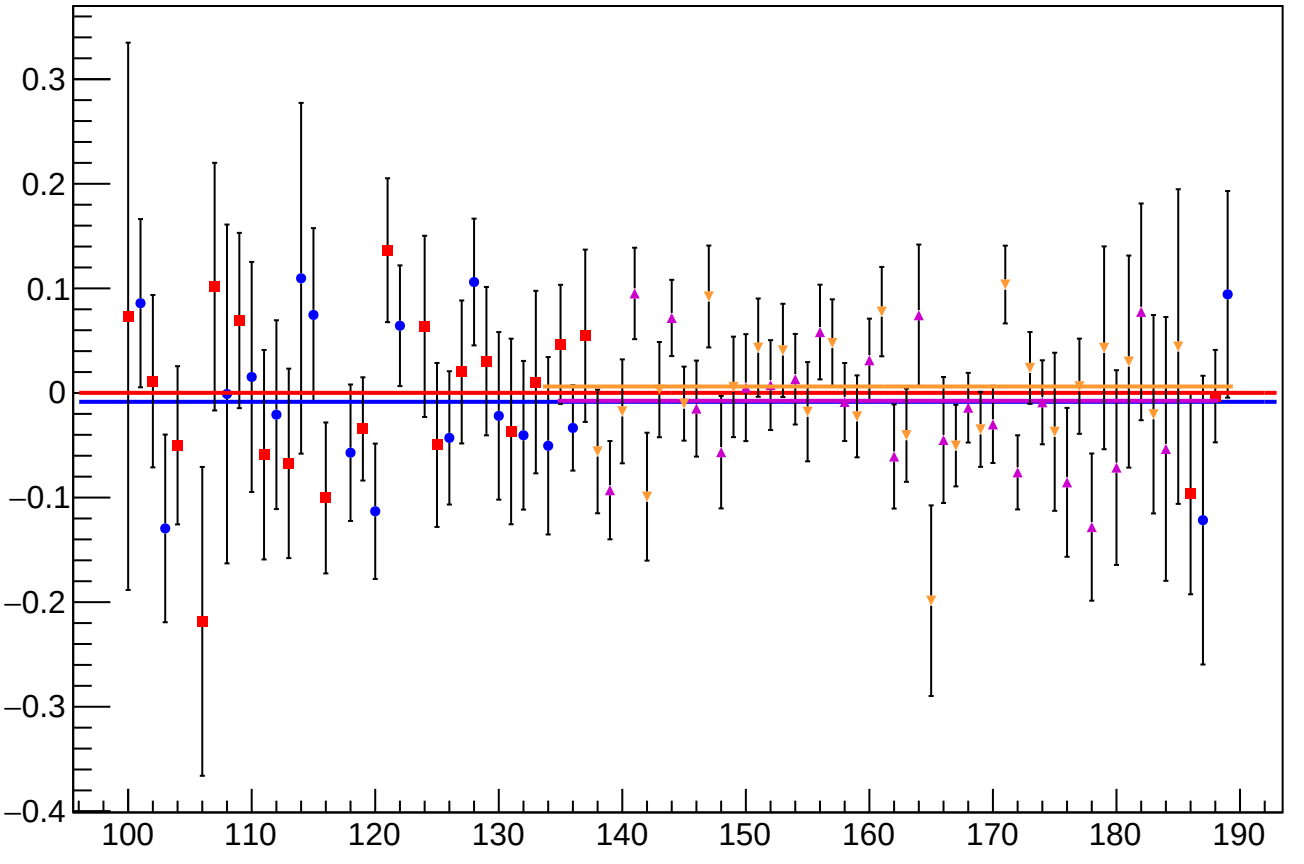
Right Out: 46.960+/-0.012 χ^2/NDF: 703974.2/20

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

+ sign 41.561+/-0.006 χ^2/NDF: 3745315.9/42

All: 41.569+/-0.004 χ^2/NDF: 6653040.8/86

- sign 41.576+/-0.006 χ^2/NDF: 2907721.9/43



Right In: -0.008+/-0.018 χ^2/NDF: 16.0/17

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

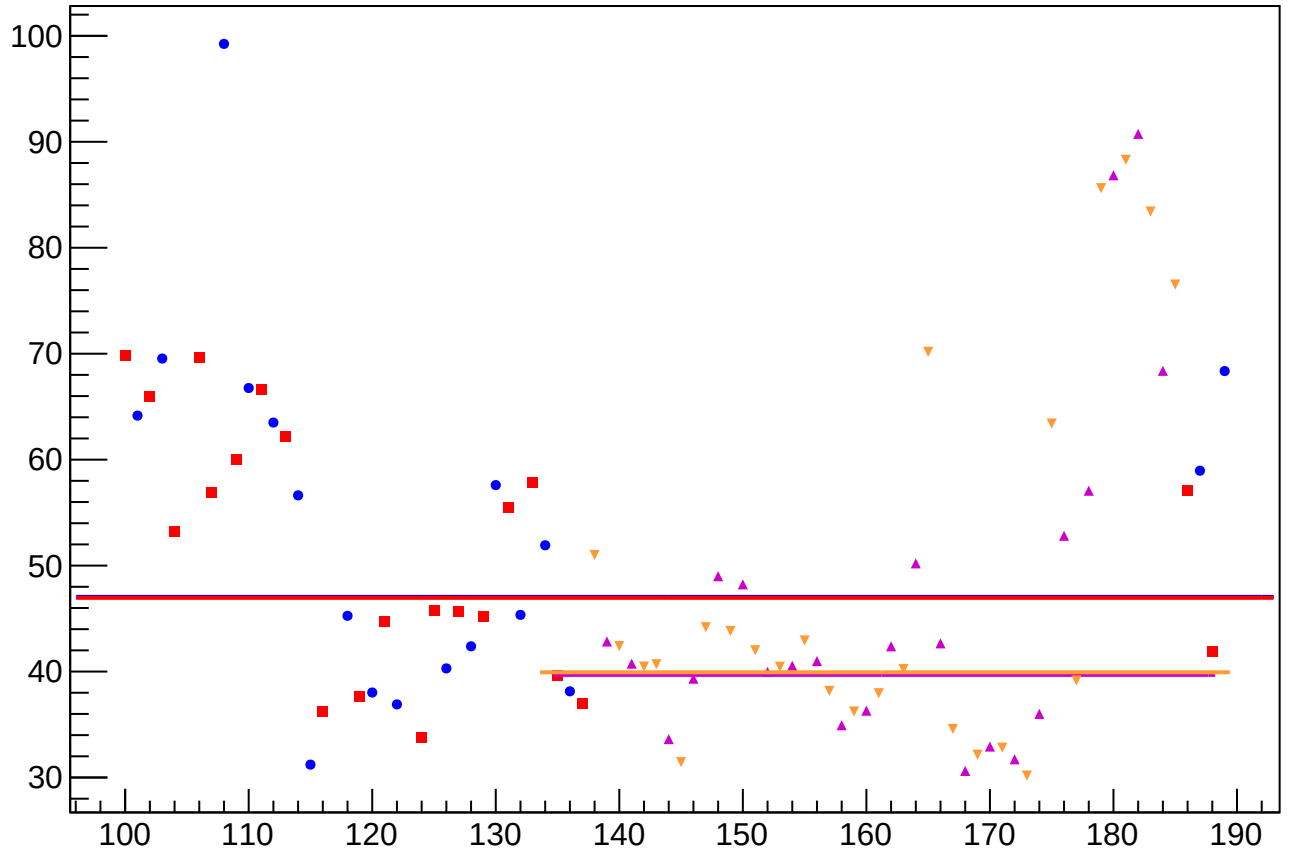
Right Out: 0.000+/-0.016 χ^2/NDF: 14.9/20

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.003+/-0.008 χ^2/NDF: 47.3/42

All: -0.001+/-0.006 χ^2/NDF: 93.3/86

- sign -0.006+/-0.008 χ^2/NDF: 45.5/43



Right In: 47.049+/-0.012 χ^2/NDF: 1016323.6/17

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

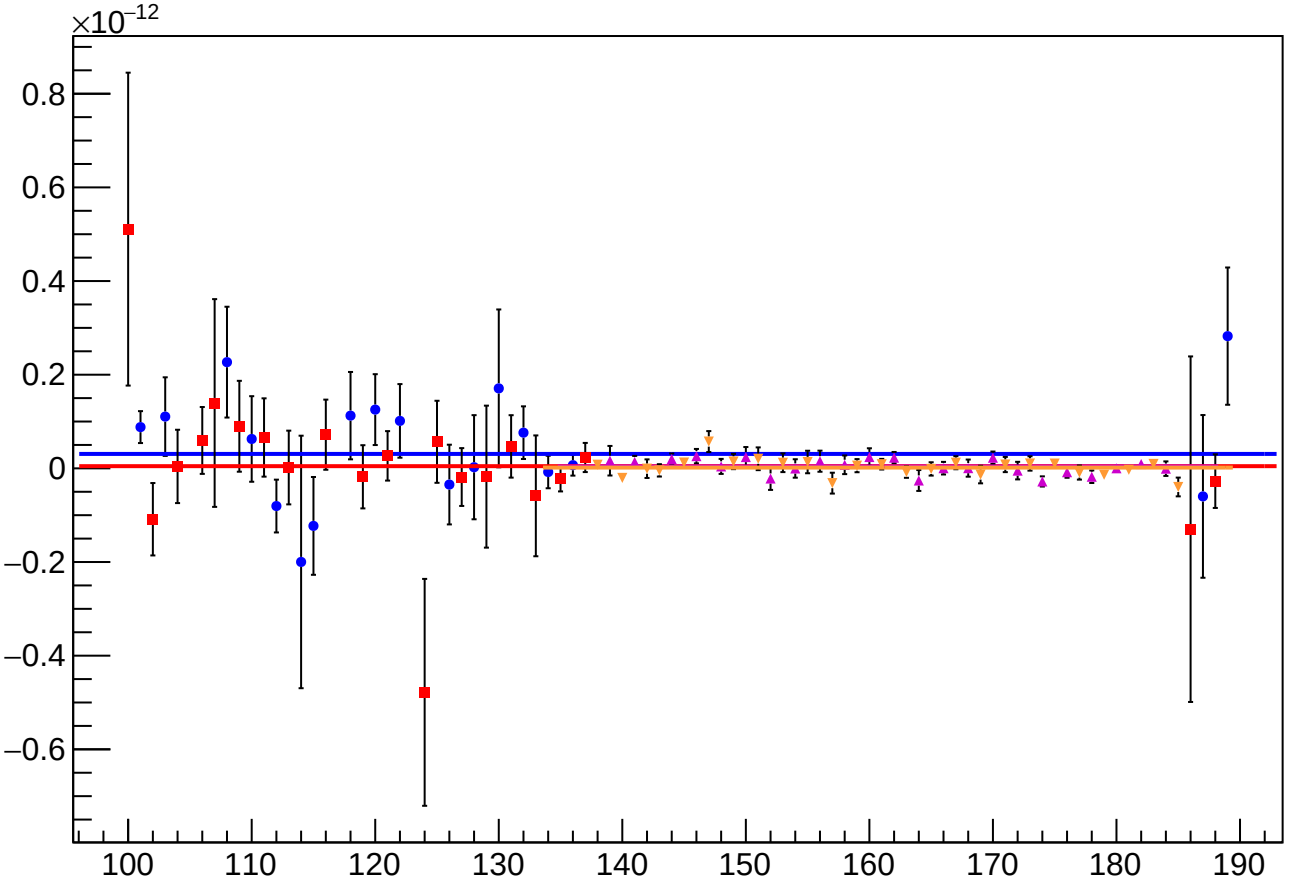
Right Out: 46.960+/-0.012 χ^2/NDF: 703974.2/20

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

+ sign 41.561+/-0.006 χ^2/NDF: 3745315.9/42

All: 41.569+/-0.004 χ^2/NDF: 6653040.8/86

- sign 41.576+/-0.006 χ^2/NDF: 2907721.9/43



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:28.0/24

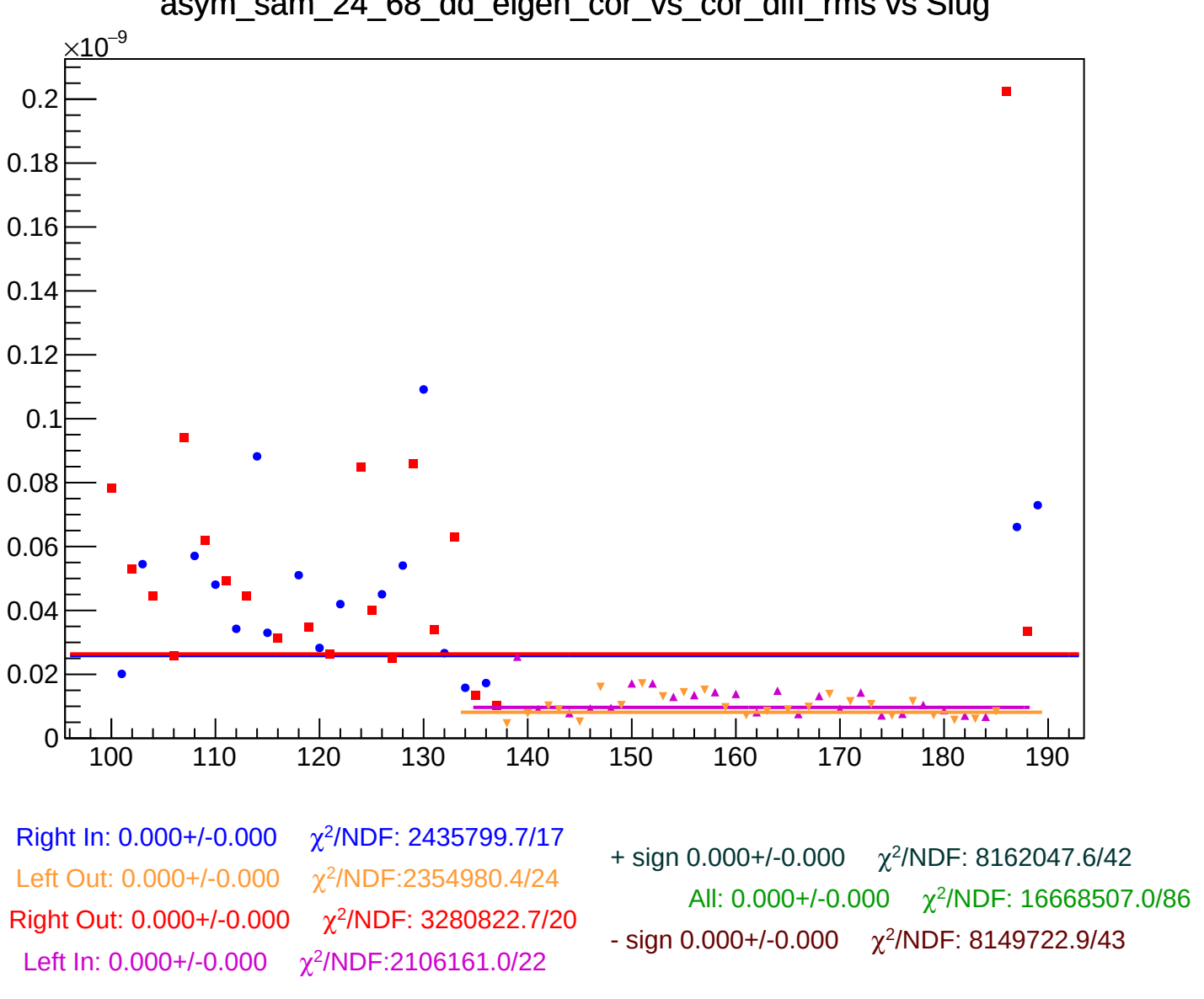
Right Out: 0.000+/-0.000 χ^2/NDF: 14.7/20

Left In: 0.000+/-0.000 χ^2/NDF:27.5/22

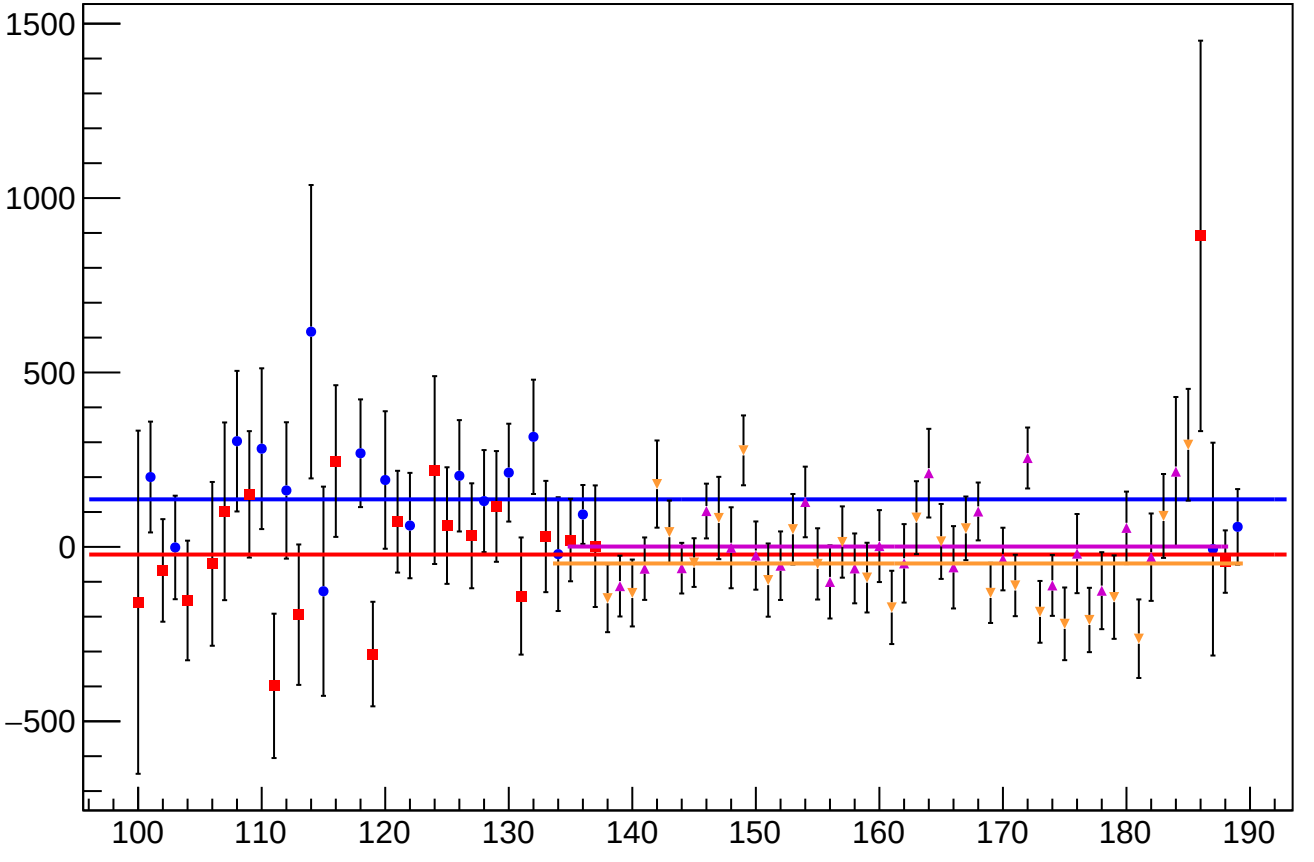
+ sign 0.000+/-0.000 χ^2/NDF: 56.6/42

All: 0.000+/-0.000 χ^2/NDF: 99.0/86

- sign 0.000+/-0.000 χ^2/NDF: 42.2/43


asym_sam_24_68_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2435799.7/17
Left Out: 0.000+/-0.000 χ²/NDF:2354980.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 3280822.7/20
Left In: 0.000+/-0.000 χ²/NDF:2106161.0/22
+ sign 0.000+/-0.000 χ²/NDF: 8162047.6/42
All: 0.000+/-0.000 χ²/NDF: 16668507.0/86
- sign 0.000+/-0.000 χ²/NDF: 8149722.9/43

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 136.297+/-36.986 χ^2/NDF: 8.9/17

Left Out: -47.524+/-19.983 χ^2/NDF:44.0/24

Right Out: -21.915+/-36.515 χ^2/NDF: 16.9/20

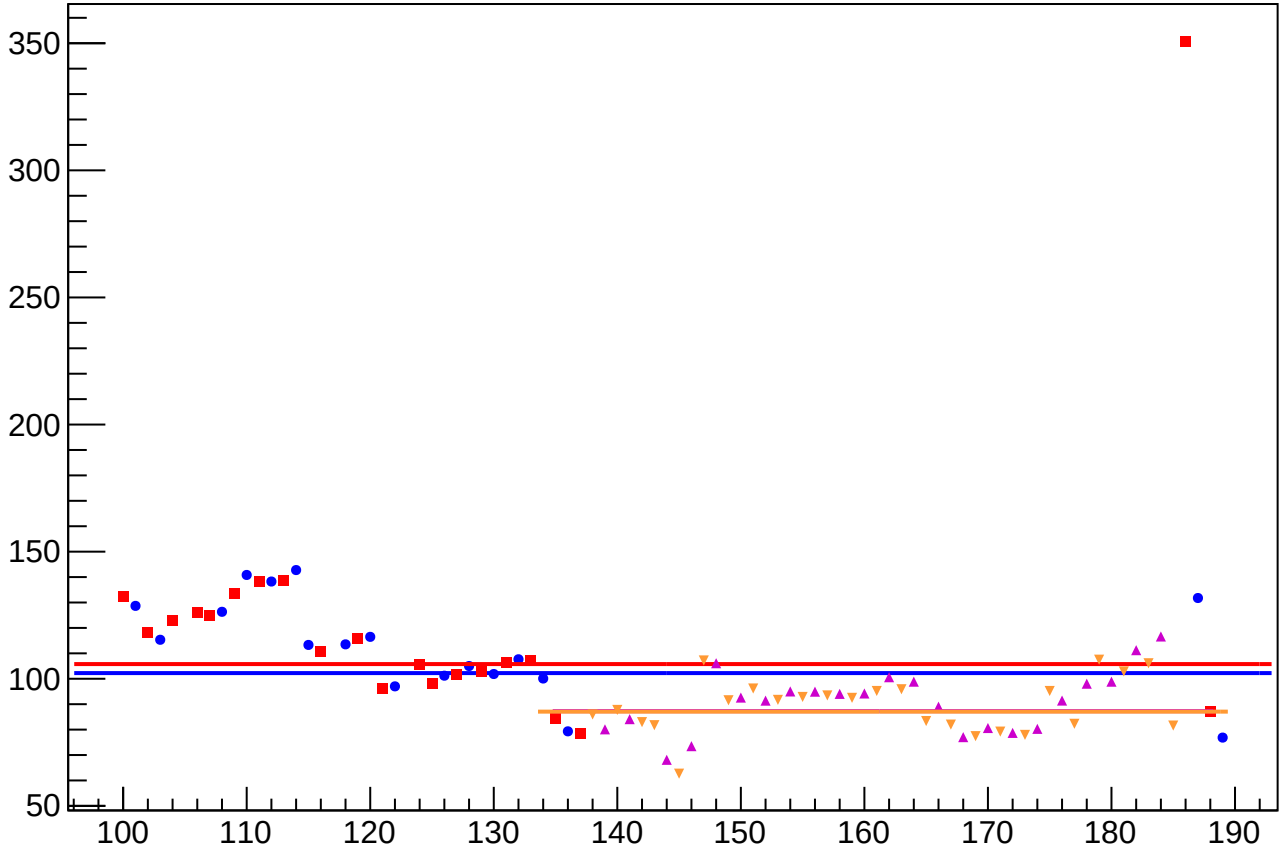
Left In: 0.986+/-20.604 χ^2/NDF:25.5/22

+ sign -5.989+/-17.581 χ^2/NDF: 72.0/42

All: -5.282+/-12.558 χ^2/NDF: 114.7/86

- sign -4.544+/-17.944 χ^2/NDF: 42.7/43

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 102.234+/-0.026 χ^2/NDF: 547869.7/17

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

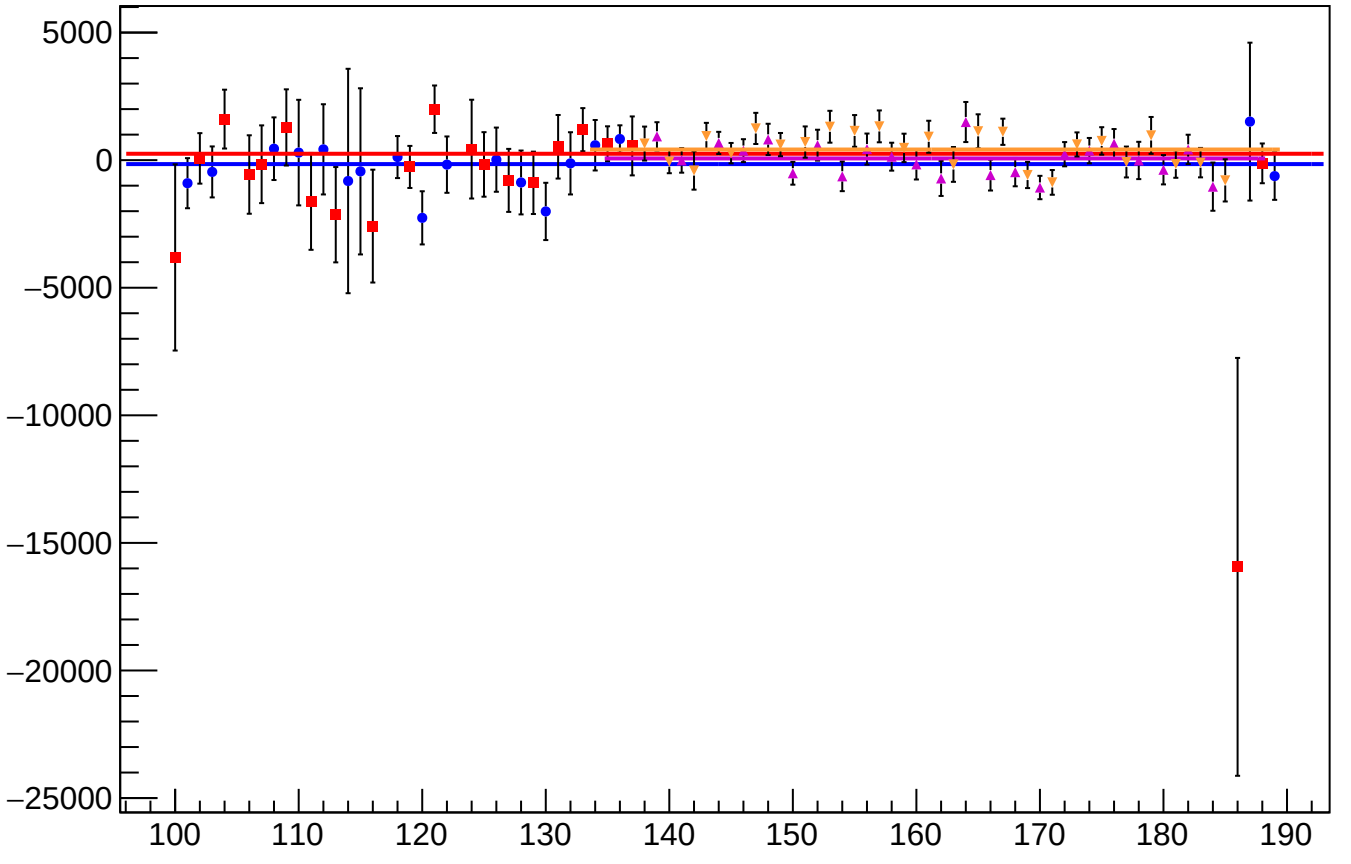
Right Out: 105.779+/-0.026 χ^2/NDF: 825409.0/20

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 90.498+/-0.012 χ^2/NDF: 1428656.3/42

All: 91.101+/-0.009 χ^2/NDF: 3245020.5/86

- sign 91.730+/-0.013 χ^2/NDF: 1811553.0/43



Right In: -154.651+/-257.192 χ^2/NDF: 12.9/17

Left Out: 416.424+/-112.336 χ^2/NDF:32.4/24

Right Out: 250.231+/-255.099 χ^2/NDF: 19.2/20

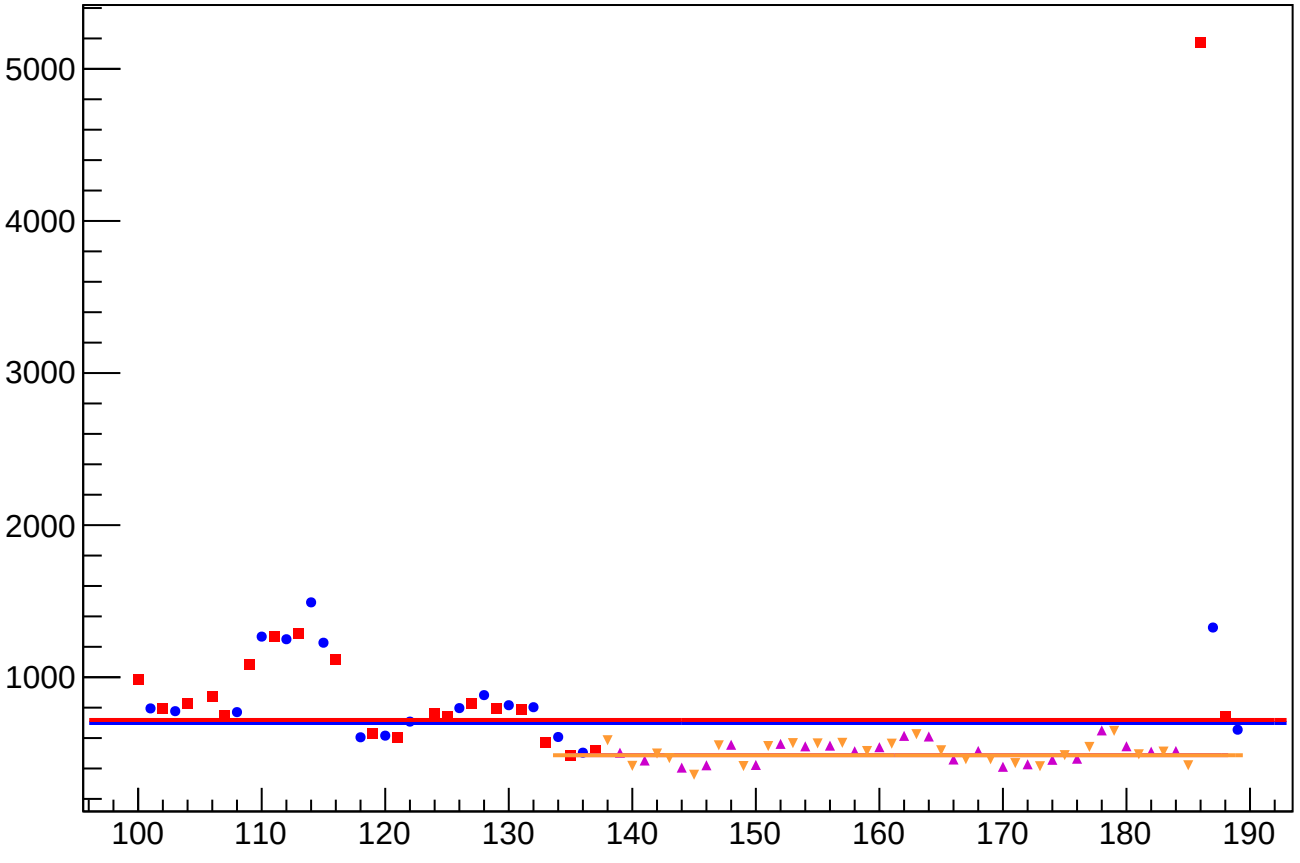
Left In: 66.675+/-115.419 χ^2/NDF:27.5/22

+ sign 324.932+/-102.945 χ^2/NDF: 49.4/42

All: 213.812+/-73.562 χ^2/NDF: 98.9/86

- sign 97.866+/-105.156 χ^2/NDF: 47.1/43

asym_sam_26_48_dd_reg_correction_rms vs Slug



Right In: 699.113+/-0.182 χ^2/NDF: 999686.1/17

Left Out: 487.081+/-0.079 χ^2/NDF:821265.9/24

Right Out: 718.959+/-0.180 χ^2/NDF: 1630676.0/20

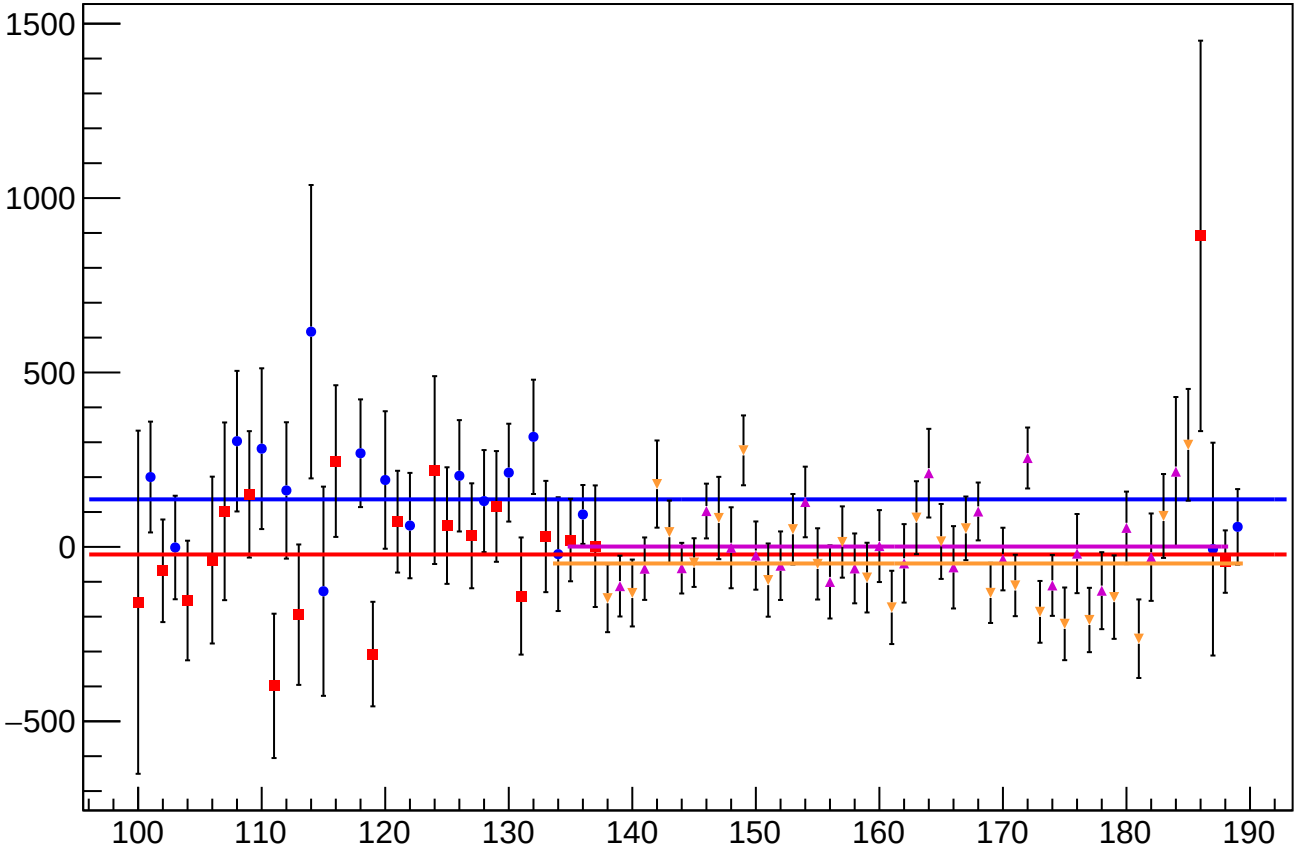
Left In: 487.930+/-0.082 χ^2/NDF:634269.5/22

+ sign 521.051+/-0.073 χ^2/NDF: 2962486.8/42

All: 524.054+/-0.052 χ^2/NDF: 6592547.3/86

- sign 527.188+/-0.074 χ^2/NDF: 3626582.3/43

cor_asym_sam_26_48_dd_mean vs Slug



Right In: 136.287+/-36.986 χ^2/NDF: 8.9/17

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: -21.706+/-36.531 χ^2/NDF: 16.9/20

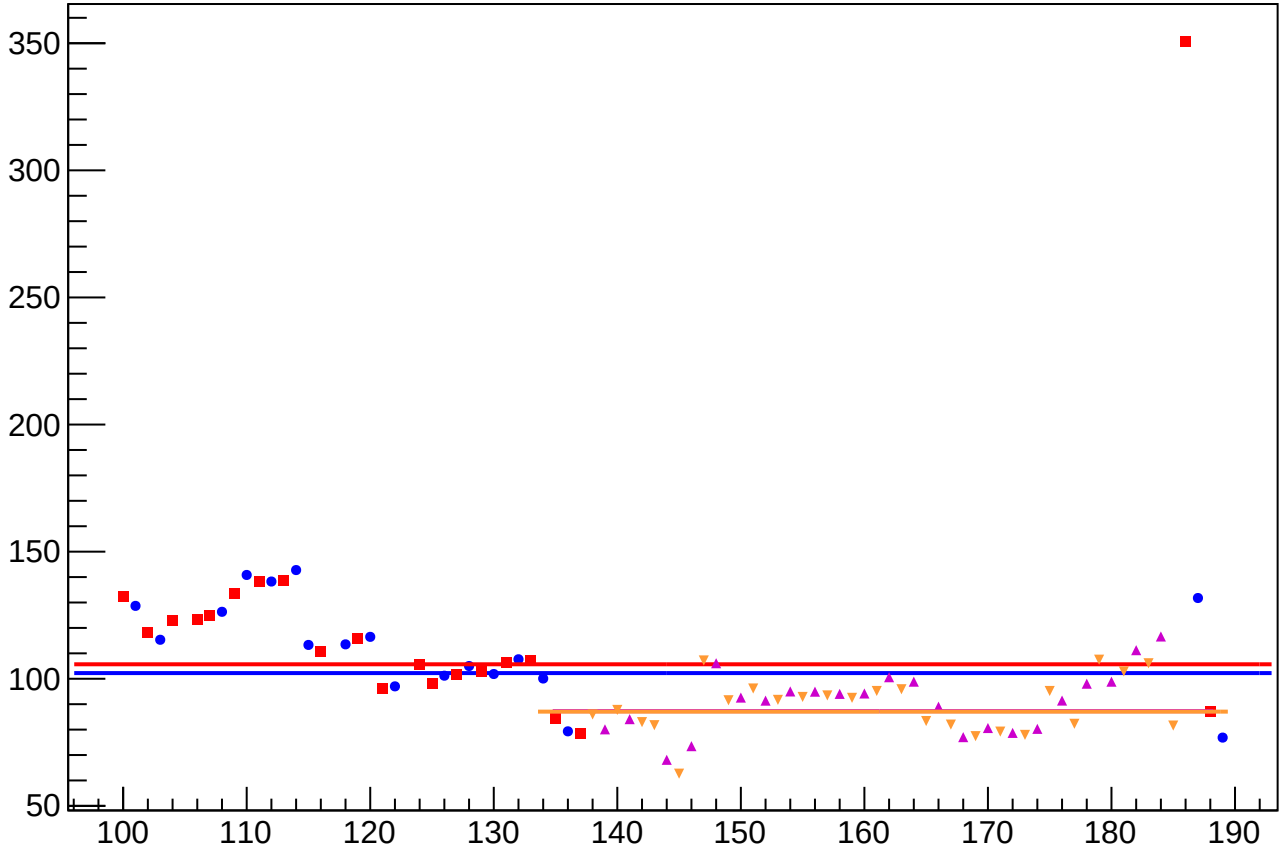
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -5.998+/-17.581 χ^2/NDF: 72.0/42

All: -5.259+/-12.559 χ^2/NDF: 114.7/86

- sign -4.489+/-17.946 χ^2/NDF: 42.7/43

cor_asym_sam_26_48_dd_rms vs Slug



Right In: 102.234+/-0.026 χ^2/NDF: 547870.0/17

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

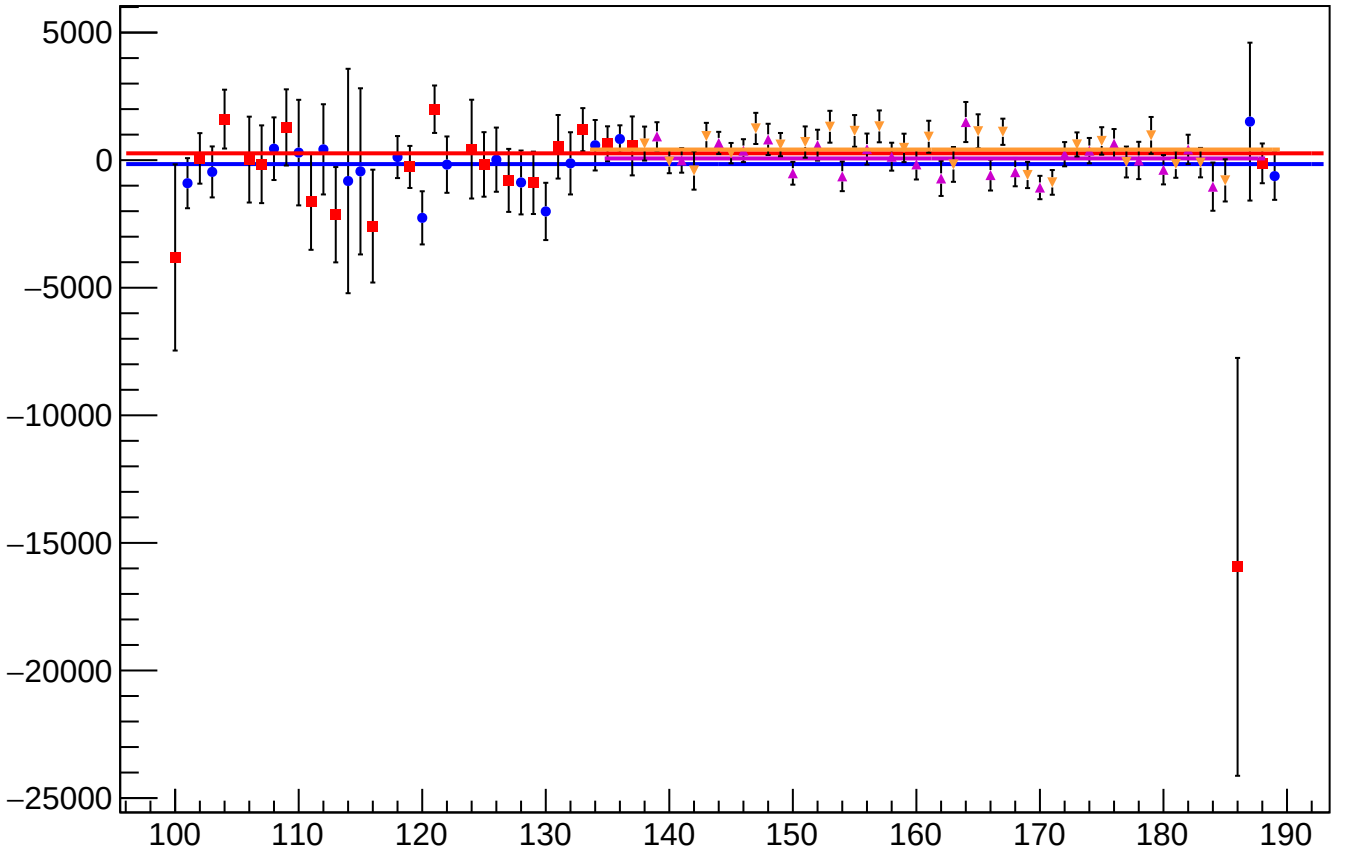
Right Out: 105.697+/-0.026 χ^2/NDF: 821200.2/20

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 90.498+/-0.012 χ^2/NDF: 1428656.7/42

All: 91.090+/-0.009 χ^2/NDF: 3236911.8/86

- sign 91.707+/-0.013 χ^2/NDF: 1803621.8/43



Right In: -154.643+/-257.192 χ^2/NDF: 12.9/17

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: 267.435+/-255.692 χ^2/NDF: 18.9/20

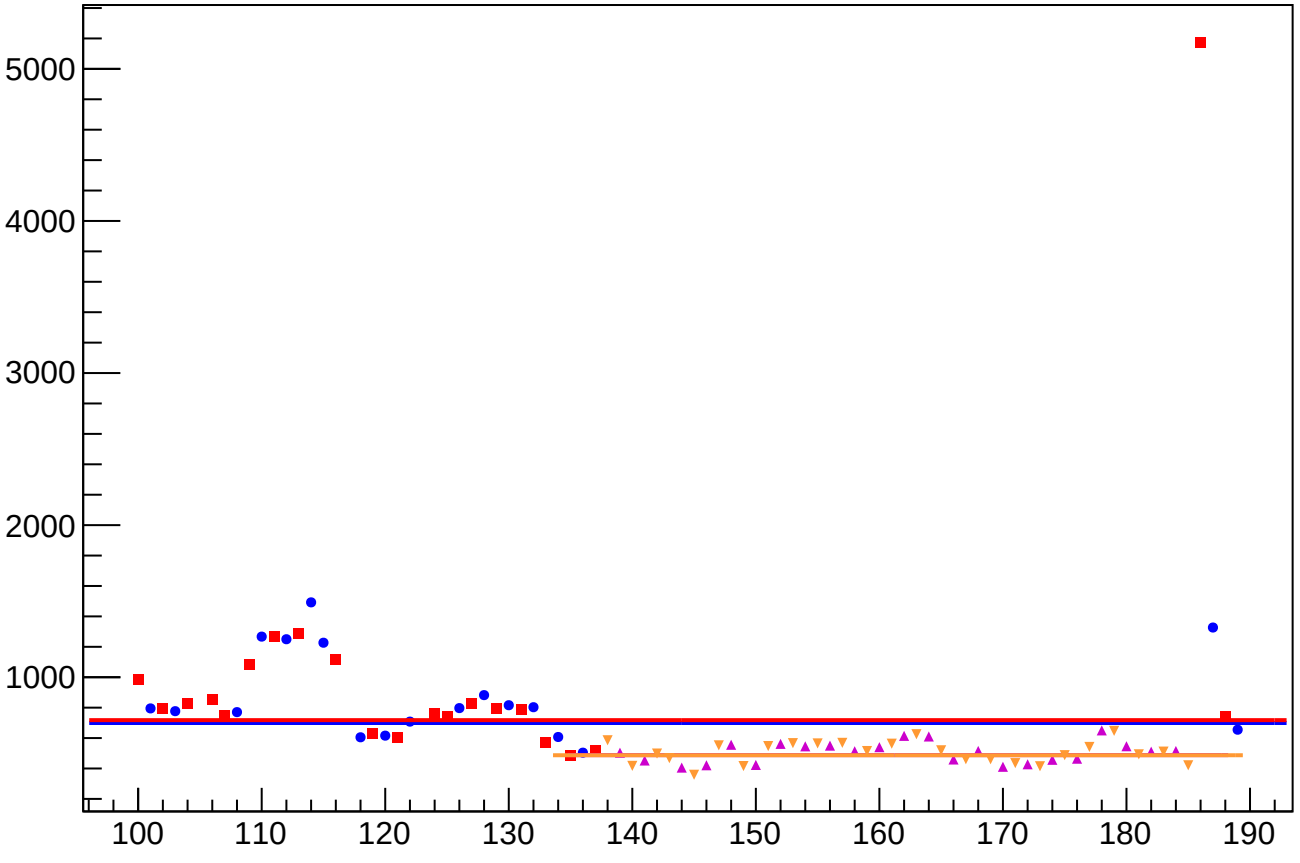
Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

+ sign 324.926+/-102.945 χ^2/NDF: 49.4/42

All: 215.219+/-73.577 χ^2/NDF: 98.7/86

- sign 100.657+/-105.198 χ^2/NDF: 47.0/43

asym_sam_26_48_dd_cor_correction_rms vs Slug



Right In: 699.113+/-0.182 χ^2/NDF: 999695.6/17

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 717.802+/-0.181 χ^2/NDF: 1623245.7/20

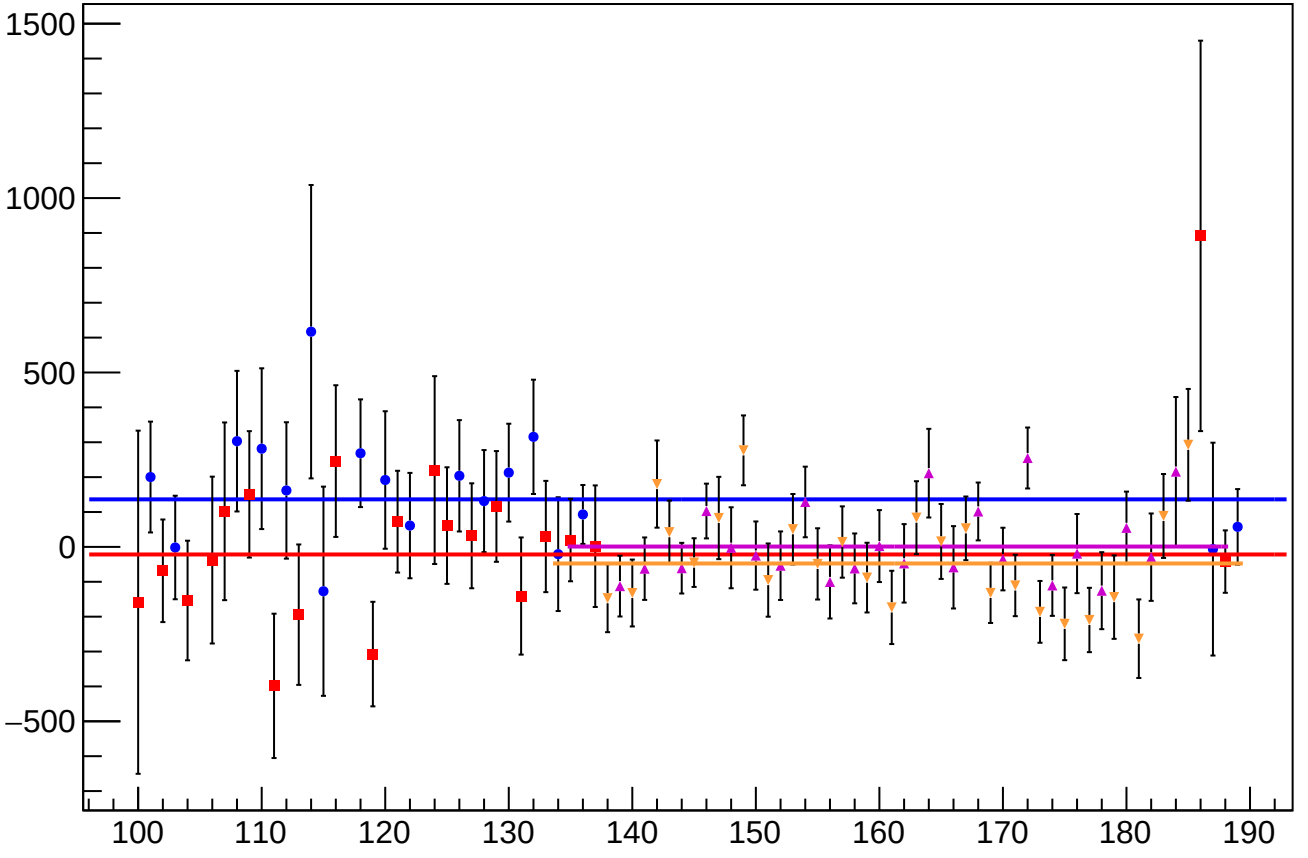
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 521.051+/-0.073 χ^2/NDF: 2962493.5/42

All: 523.883+/-0.052 χ^2/NDF: 6565949.8/86

- sign 526.841+/-0.074 χ^2/NDF: 3600361.6/43

eigen_cor_asym_sam_26_48_dd_mean vs Slug



Right In: 136.287+/-36.986 χ^2/NDF: 8.9/17

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: -21.706+/-36.531 χ^2/NDF: 16.9/20

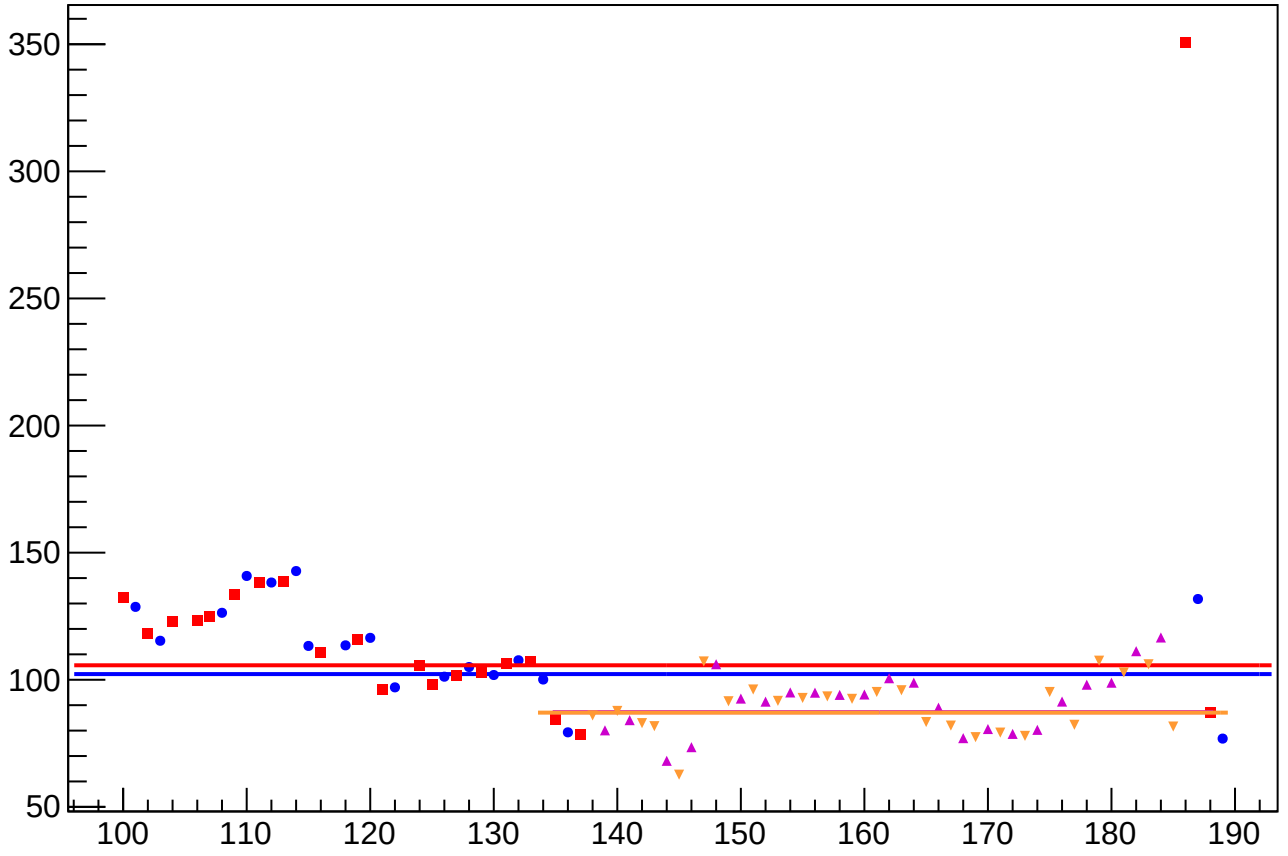
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -5.998+/-17.581 χ^2/NDF: 72.0/42

All: -5.259+/-12.559 χ^2/NDF: 114.7/86

- sign -4.489+/-17.946 χ^2/NDF: 42.7/43

eigen_cor_asym_sam_26_48_dd_rms vs Slug



Right In: 102.234+/-0.026 χ^2/NDF: 547870.0/17

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

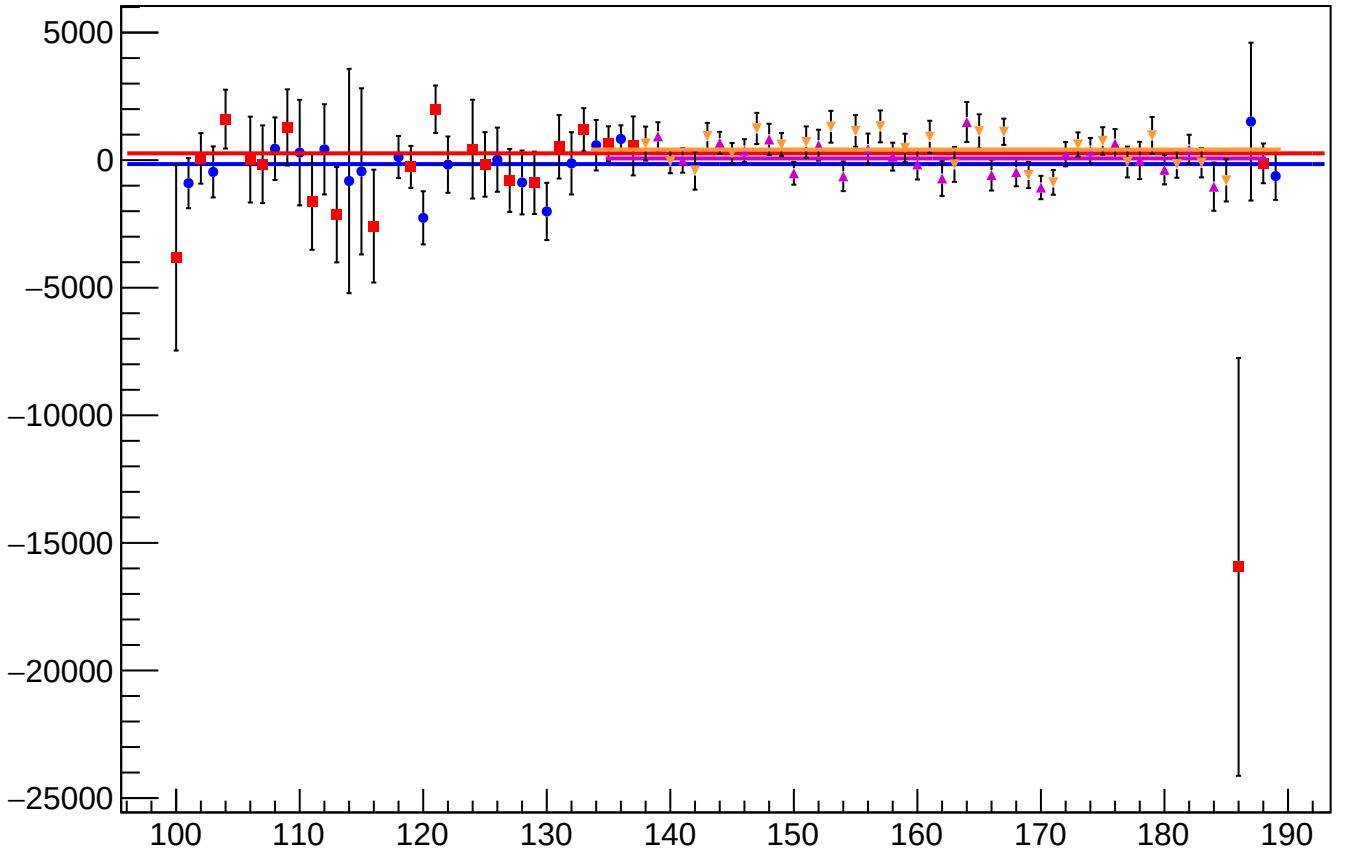
Right Out: 105.697+/-0.026 χ^2/NDF: 821200.2/20

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

\+ sign 90.498+/-0.012 χ^2/NDF: 1428656.7/42

All: 91.090+/-0.009 χ^2/NDF: 3236911.8/86

\- sign 91.707+/-0.013 χ^2/NDF: 1803621.8/43



Right In: -154.643+/-257.192 χ^2/NDF: 12.9/17

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

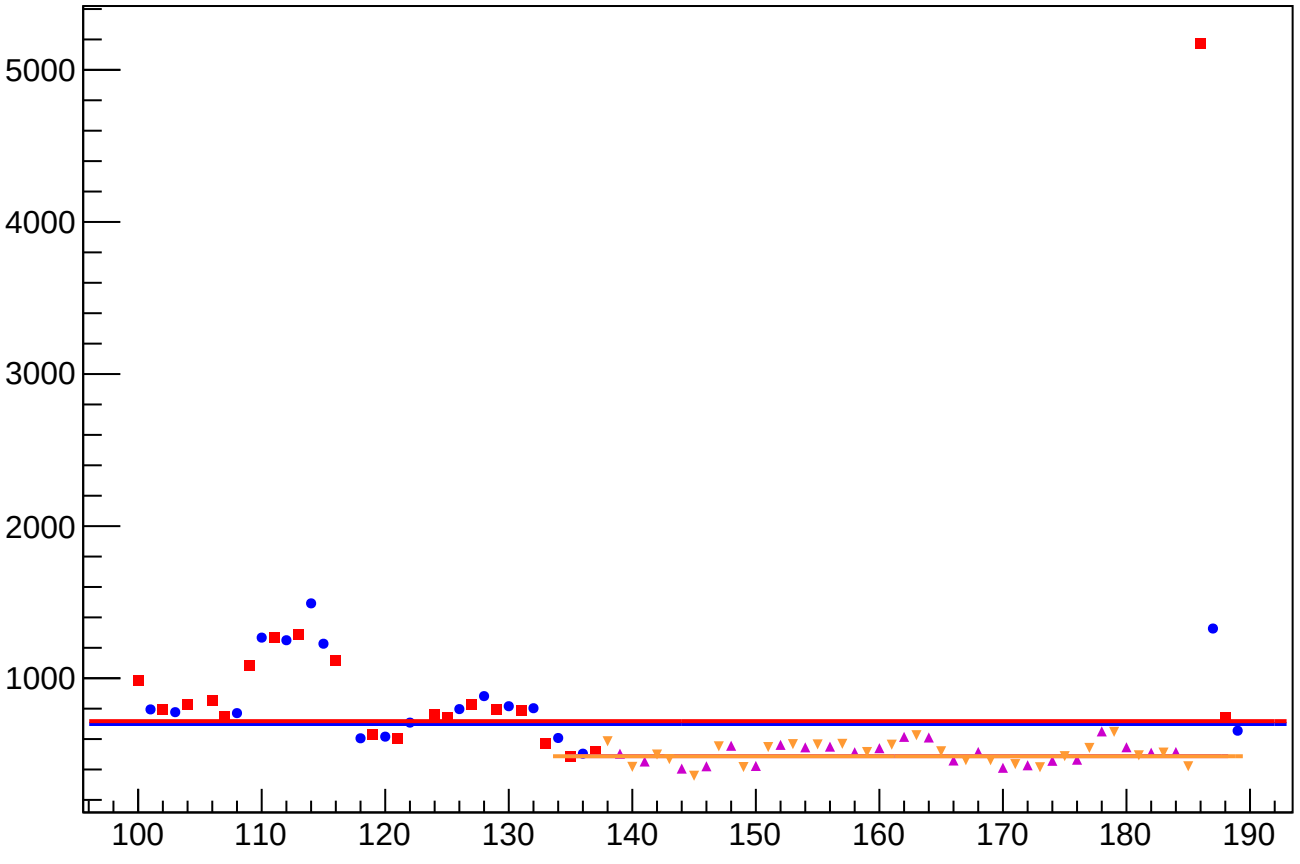
Right Out: 267.435+/-255.692 χ^2/NDF: 18.9/20

Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

+ sign 324.926+/-102.945 χ^2/NDF: 49.4/42

All: 215.219+/-73.577 χ^2/NDF: 98.7/86

- sign 100.657+/-105.198 χ^2/NDF: 47.0/43



Right In: 699.113+/-0.182 χ^2/NDF: 999695.6/17

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 717.802+/-0.181 χ^2/NDF: 1623245.7/20

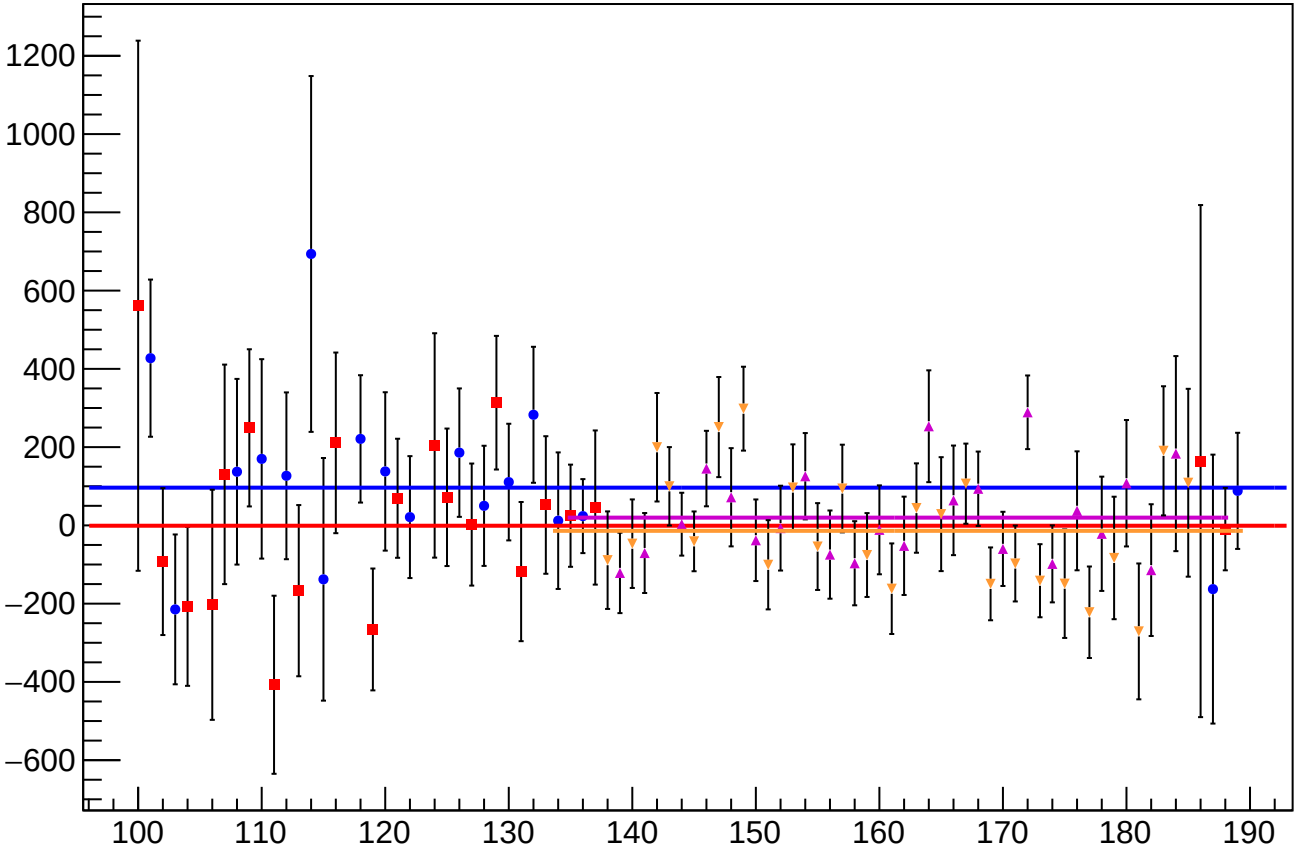
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 521.051+/-0.073 χ^2/NDF: 2962493.5/42

All: 523.883+/-0.052 χ^2/NDF: 6565949.8/86

- sign 526.841+/-0.074 χ^2/NDF: 3600361.6/43

dit_asym_sam_26_48_dd_mean vs Slug



Right In: 96.422+/-41.447 χ^2/NDF: 11.6/17

Left Out: -13.904+/-22.916 χ^2/NDF:36.4/24

Right Out: -0.881+/-40.549 χ^2/NDF: 16.7/20

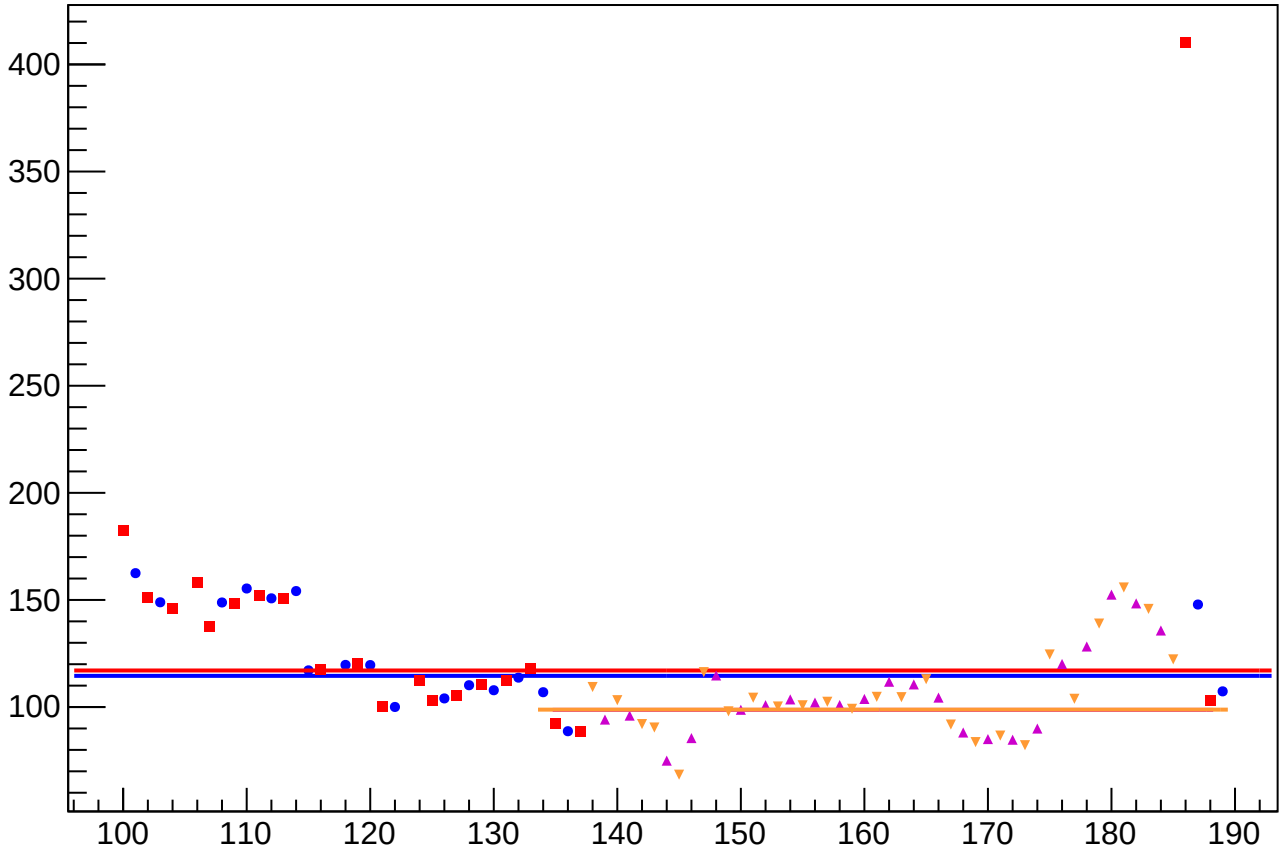
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

+ sign 11.926+/-20.055 χ^2/NDF: 53.4/42

All: 13.232+/-14.294 χ^2/NDF: 93.6/86

- sign 14.580+/-20.378 χ^2/NDF: 40.2/43

dit_asym_sam_26_48_dd_rms vs Slug



Right In: 114.566+/-0.029 χ^2/NDF: 555515.8/17

Left Out: 98.799+/-0.016 χ^2/NDF:1185806.0/24

Right Out: 117.071+/-0.029 χ^2/NDF: 922543.4/20

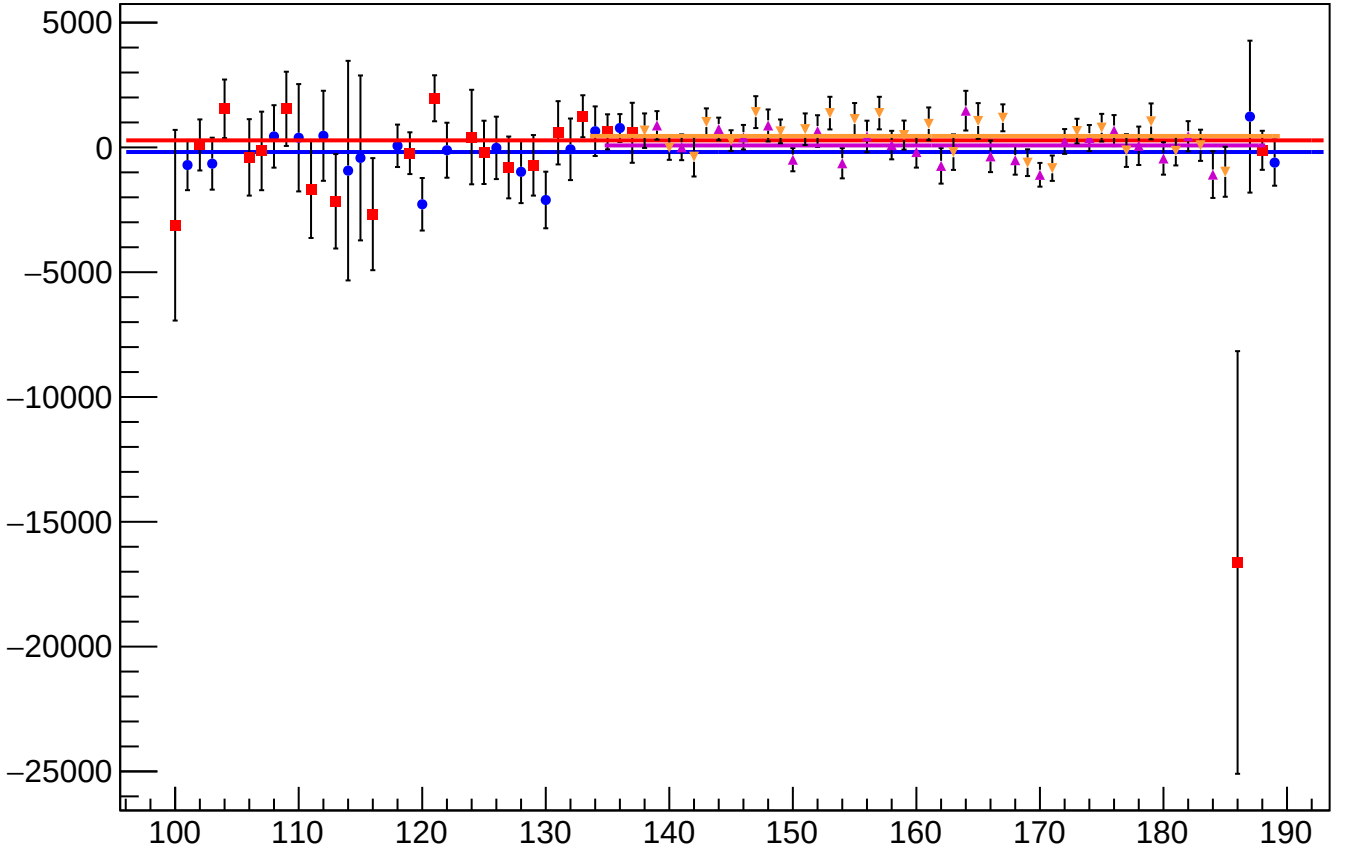
Left In: 98.673+/-0.017 χ^2/NDF:987817.0/22

+ sign 102.490+/-0.014 χ^2/NDF: 1963004.5/42

All: 102.898+/-0.010 χ^2/NDF: 4182810.9/86

- sign 103.320+/-0.014 χ^2/NDF: 2218123.5/43

asym_sam_26_48_dd_dit_correction_mean vs Slug



Right In: -185.094+/-262.218 χ^2/NDF: 12.4/17

Left Out: 459.094+/-118.111 χ^2/NDF:30.8/24

Right Out: 282.122+/-258.139 χ^2/NDF: 18.6/20

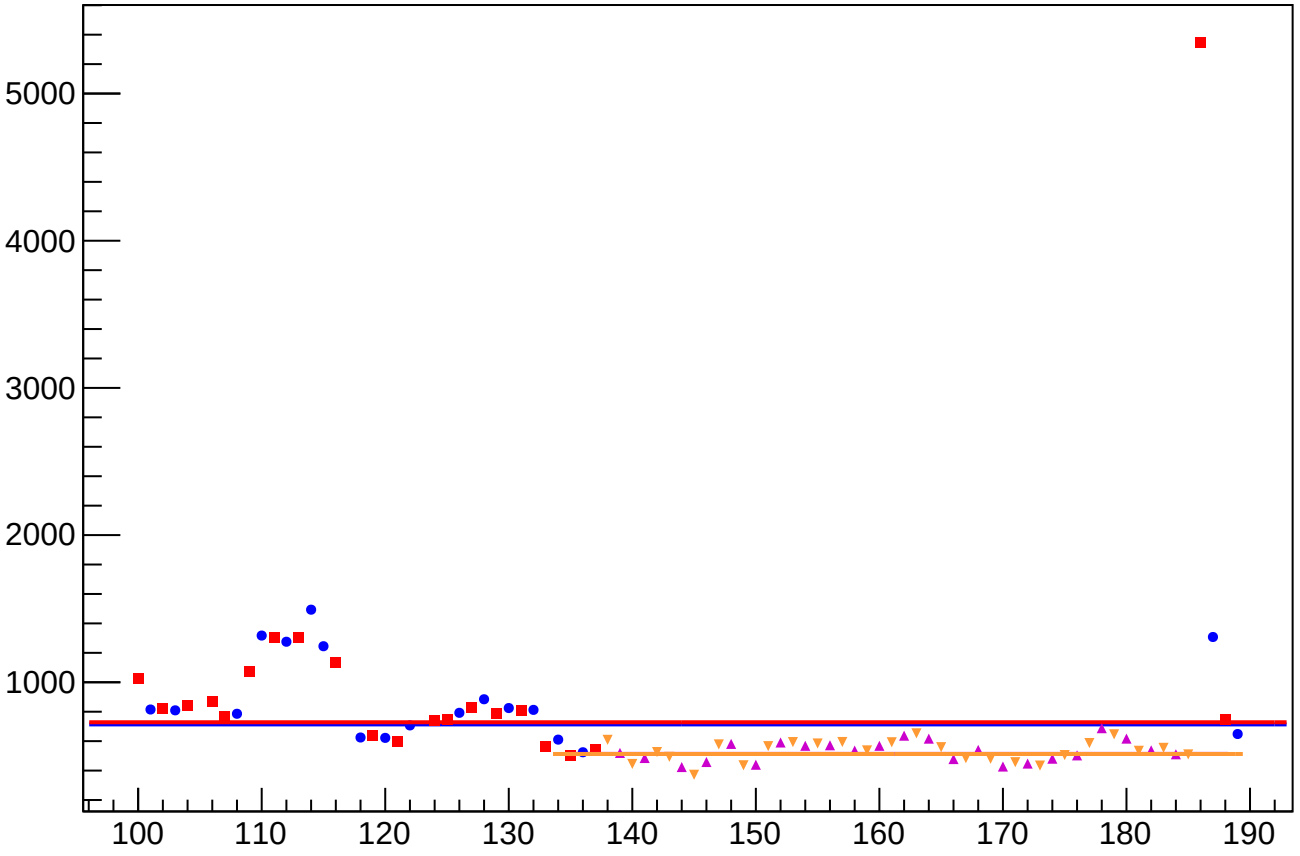
Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

+ sign 350.440+/-107.691 χ^2/NDF: 48.2/42

All: 235.405+/-76.913 χ^2/NDF: 95.9/86

- sign 115.635+/-109.885 χ^2/NDF: 45.3/43

asym_sam_26_48_dd_dit_correction_rms vs Slug



Right In: 713.746+/-0.185 χ^2/NDF: 962343.8/17

Left Out: 512.768+/-0.084 χ^2/NDF:799239.4/24

Right Out: 728.317+/-0.183 χ^2/NDF: 1616480.3/20

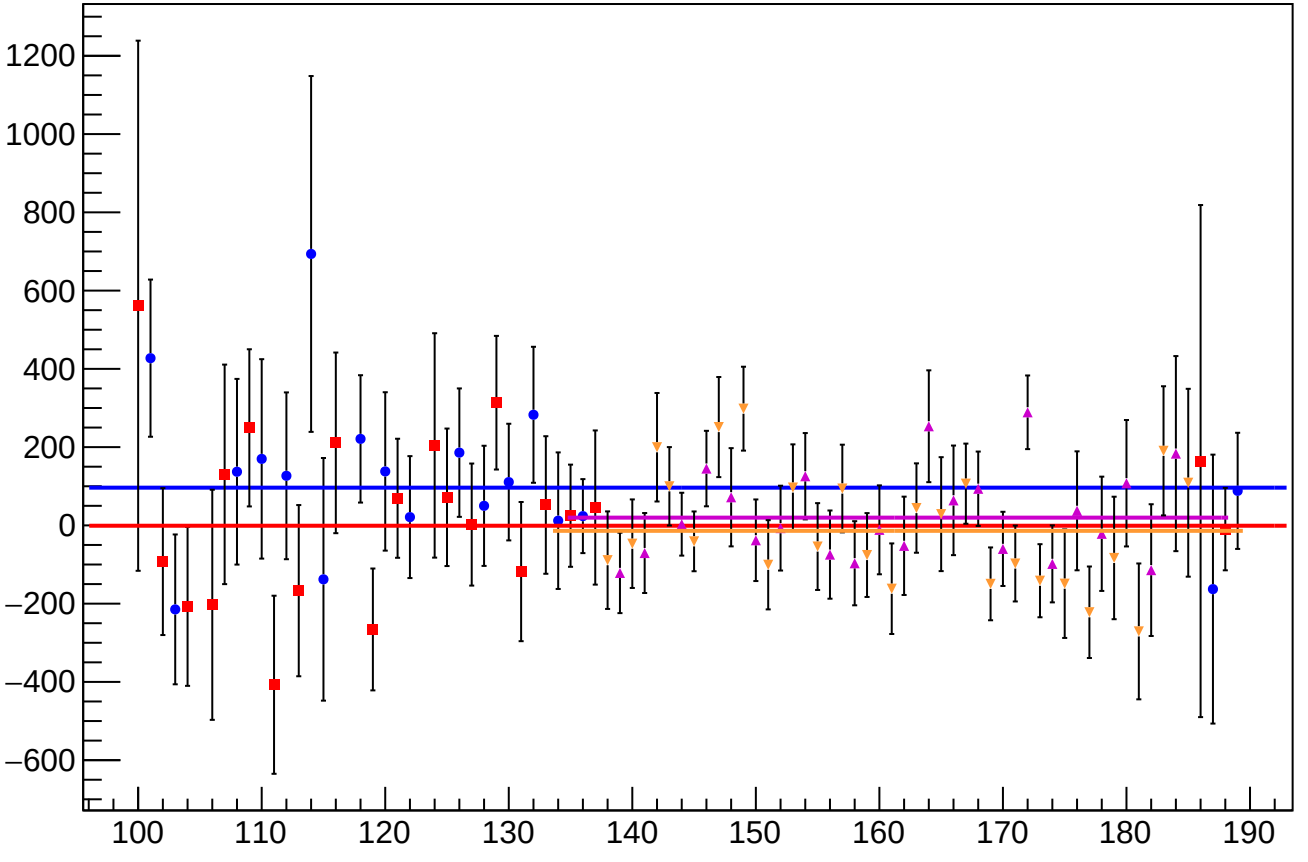
Left In: 513.375+/-0.086 χ^2/NDF:634000.2/22

\+ sign 546.667+/-0.076 χ^2/NDF: 2738313.8/42

All: 549.438+/-0.054 χ^2/NDF: 6126876.5/86

\- sign 552.323+/-0.078 χ^2/NDF: 3385860.0/43

eigen_dit_asym_sam_26_48_dd_mean vs Slug



Right In: 96.420+/-41.447 χ^2/NDF: 11.6/17

Left Out: -13.906+/-22.916 χ^2/NDF:36.4/24

Right Out: -0.880+/-40.549 χ^2/NDF: 16.7/20

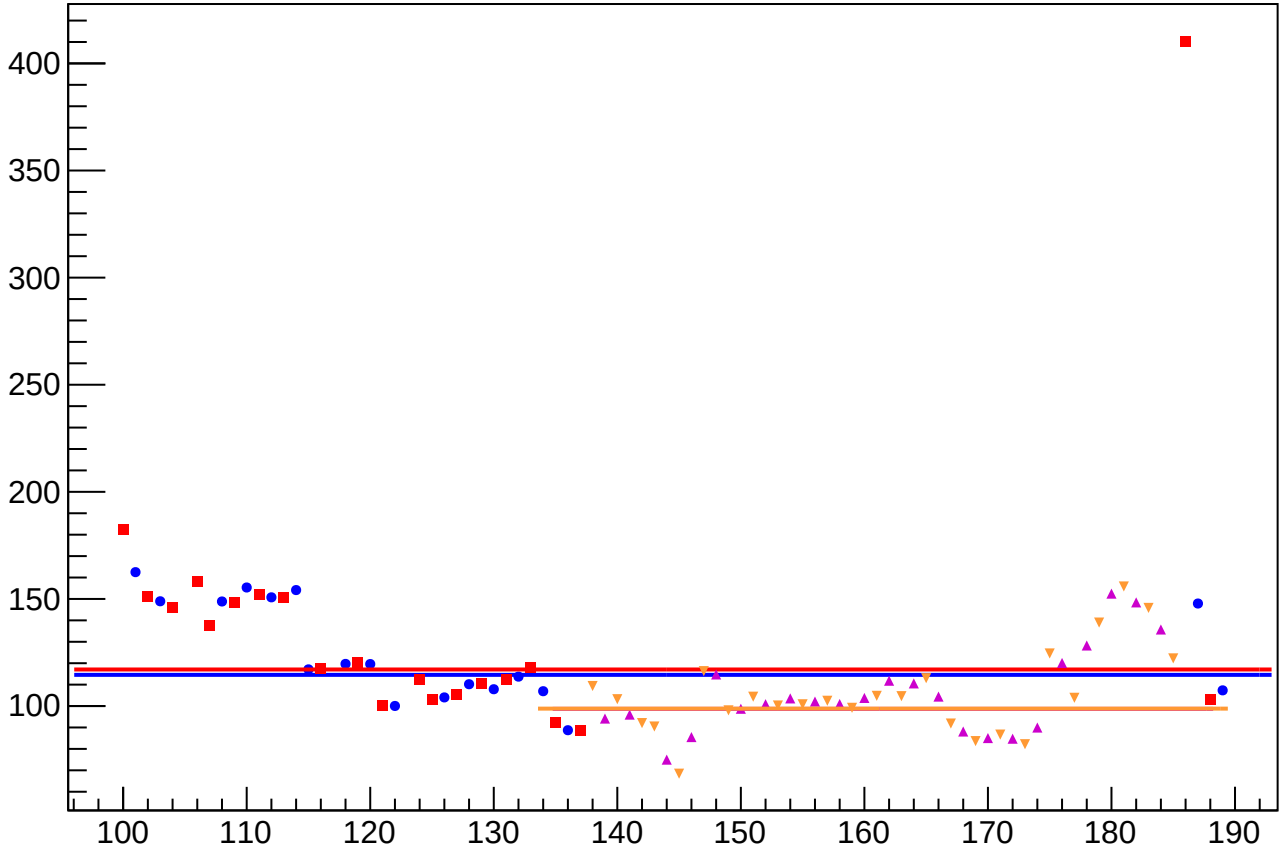
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

\+ sign 11.924+/-20.055 χ^2/NDF: 53.4/42

All: 13.231+/-14.294 χ^2/NDF: 93.6/86

\- sign 14.581+/-20.378 χ^2/NDF: 40.2/43

eigen_dit_asym_sam_26_48_dd_rms vs Slug



Right In: 114.567+/-0.029 χ^2/NDF: 555500.7/17

Left Out: 98.799+/-0.016 χ^2/NDF:1185809.9/24

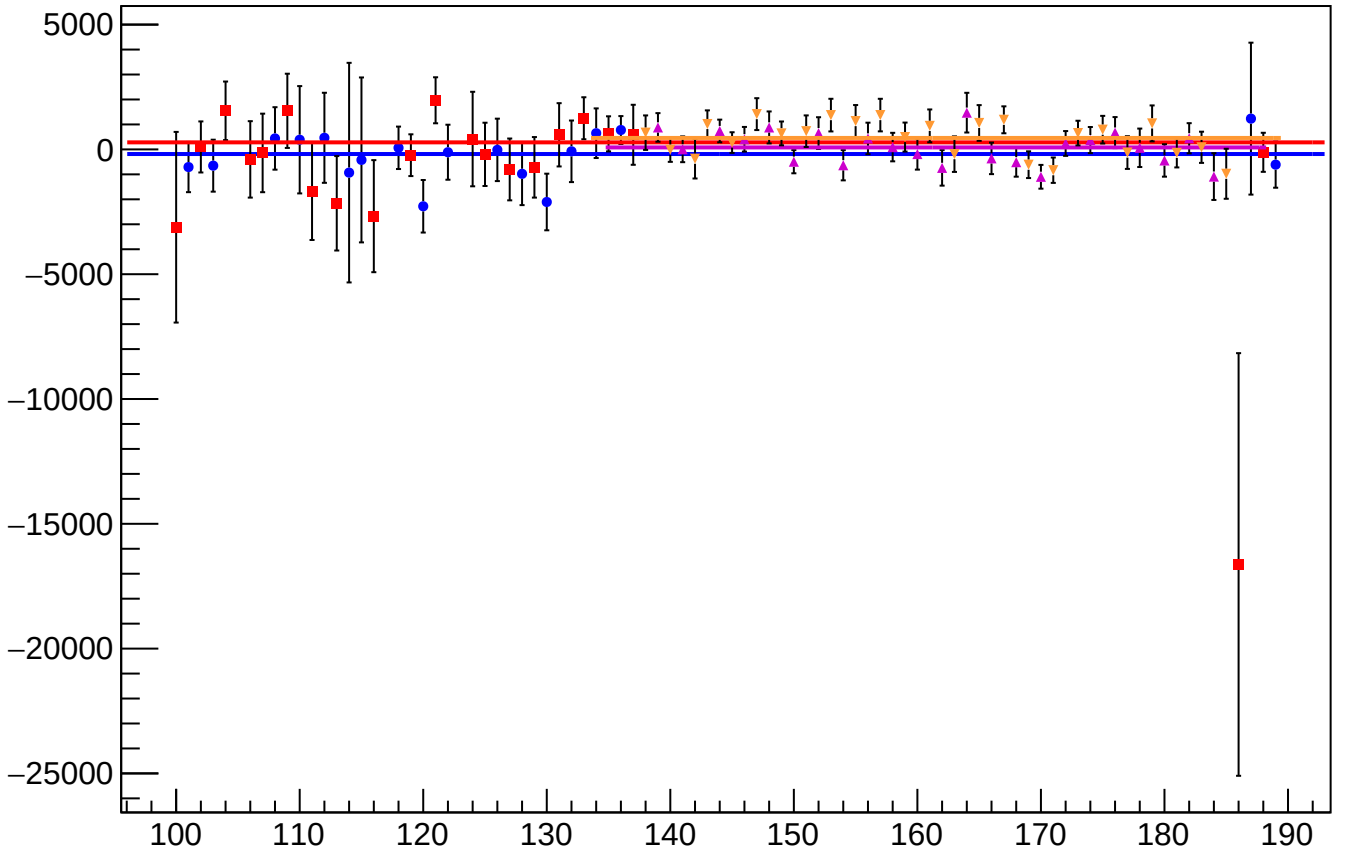
Right Out: 117.071+/-0.029 χ^2/NDF: 922531.7/20

Left In: 98.673+/-0.017 χ^2/NDF:987808.4/22

+ sign 102.490+/-0.014 χ^2/NDF: 1963000.0/42

All: 102.898+/-0.010 χ^2/NDF: 4182786.5/86

- sign 103.320+/-0.014 χ^2/NDF: 2218103.5/43



Right In: -185.096+/-262.218 χ^2/NDF: 12.4/17

Left Out: 459.092+/-118.111 χ^2/NDF:30.8/24

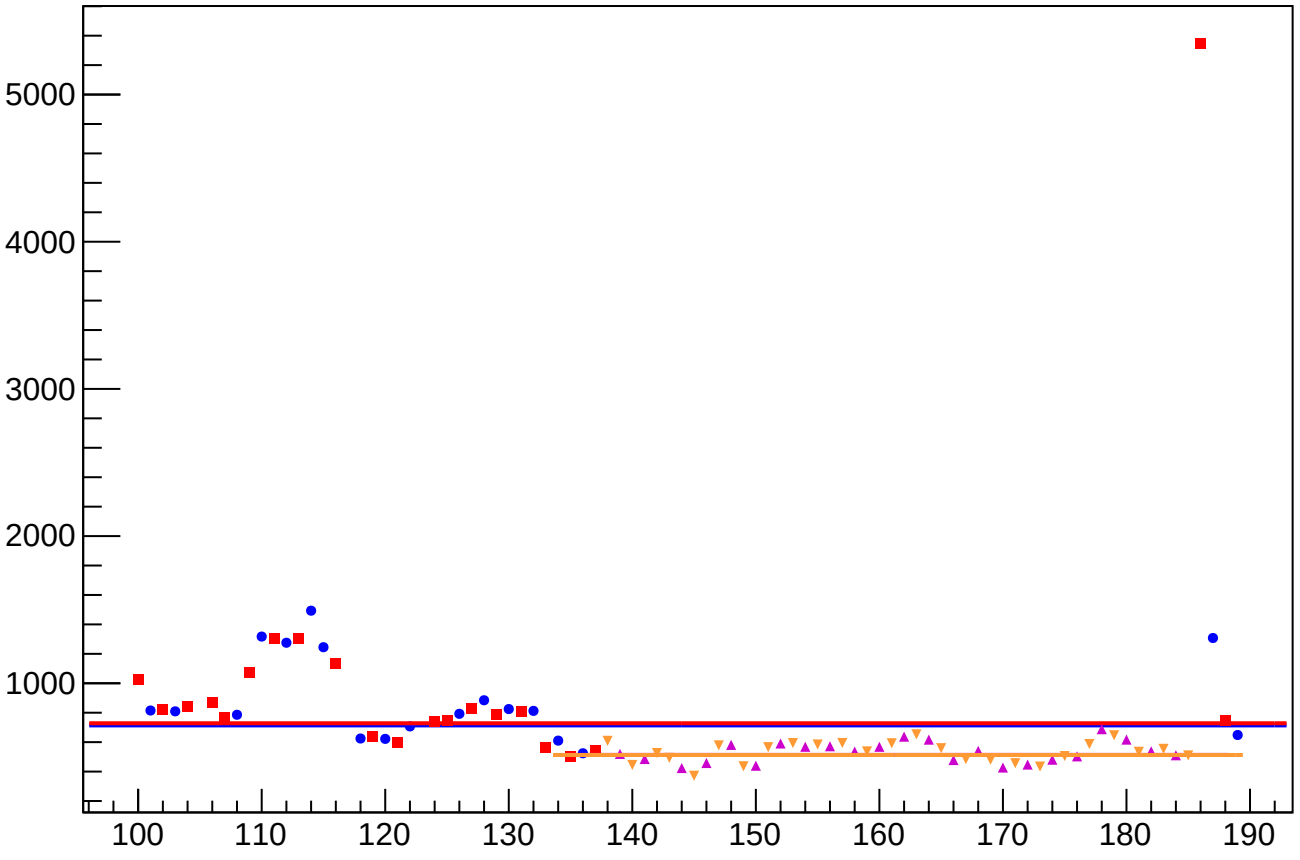
Right Out: 282.122+/-258.139 χ^2/NDF: 18.6/20

Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

\+ sign 350.438+/-107.691 χ^2/NDF: 48.2/42

All: 235.404+/-76.913 χ^2/NDF: 95.9/86

\- sign 115.635+/-109.885 χ^2/NDF: 45.3/43



Right In: 713.746+/-0.185 χ^2/NDF: 962338.9/17

Left Out: 512.768+/-0.084 χ^2/NDF:799239.0/24

Right Out: 728.316+/-0.183 χ^2/NDF: 1616473.0/20

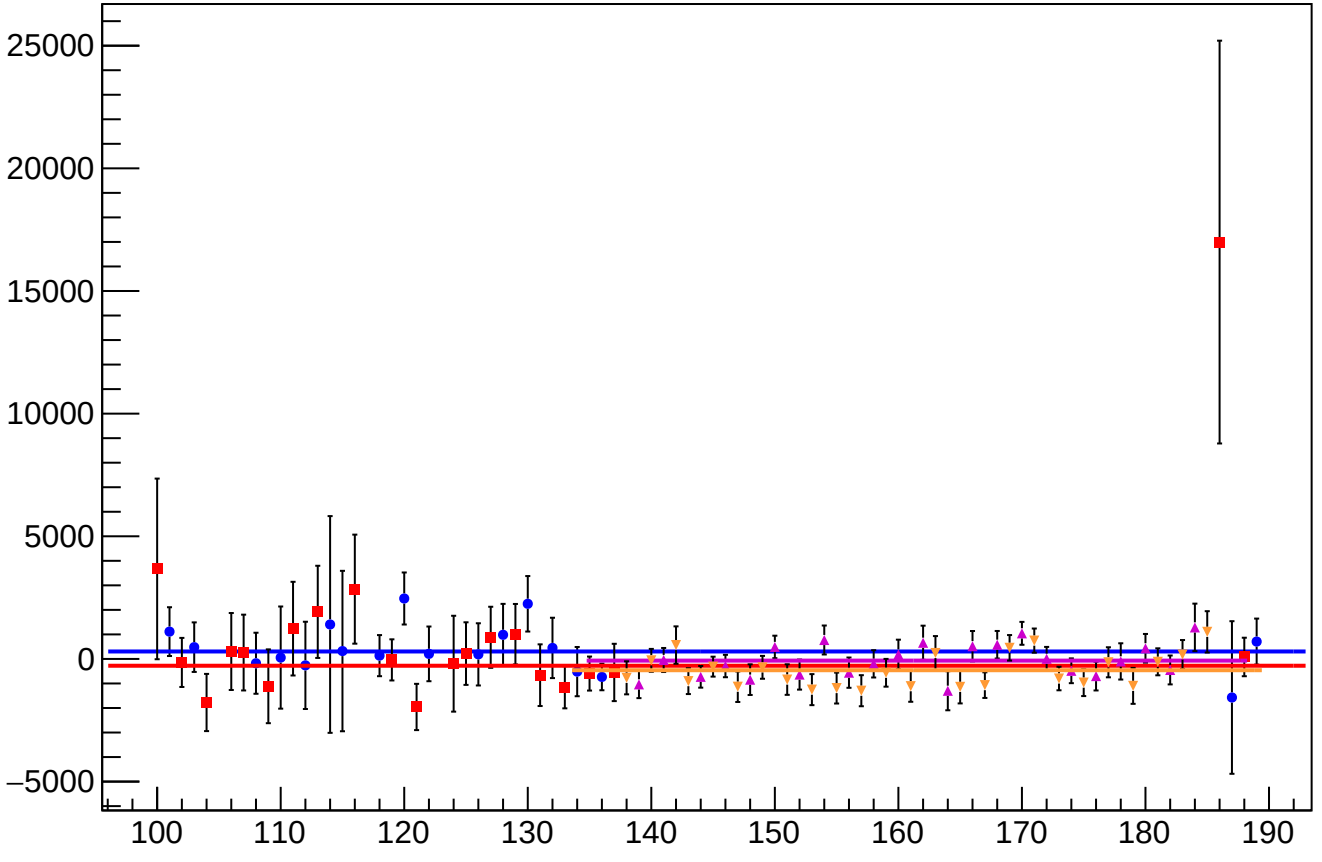
Left In: 513.374+/-0.086 χ^2/NDF:633997.9/22

+ sign 546.667+/-0.076 χ^2/NDF: 2738308.6/42

All: 549.438+/-0.054 χ^2/NDF: 6126857.7/86

- sign 552.323+/-0.078 χ^2/NDF: 3385846.3/43

asym_sam_26_48_dd_mean vs Slug



Right In: 304.336+/-260.268 χ^2/NDF: 13.3/17

Left Out: -459.862+/-114.233 χ^2/NDF:30.8/24

Right Out: -277.375+/-258.221 χ^2/NDF: 18.8/20

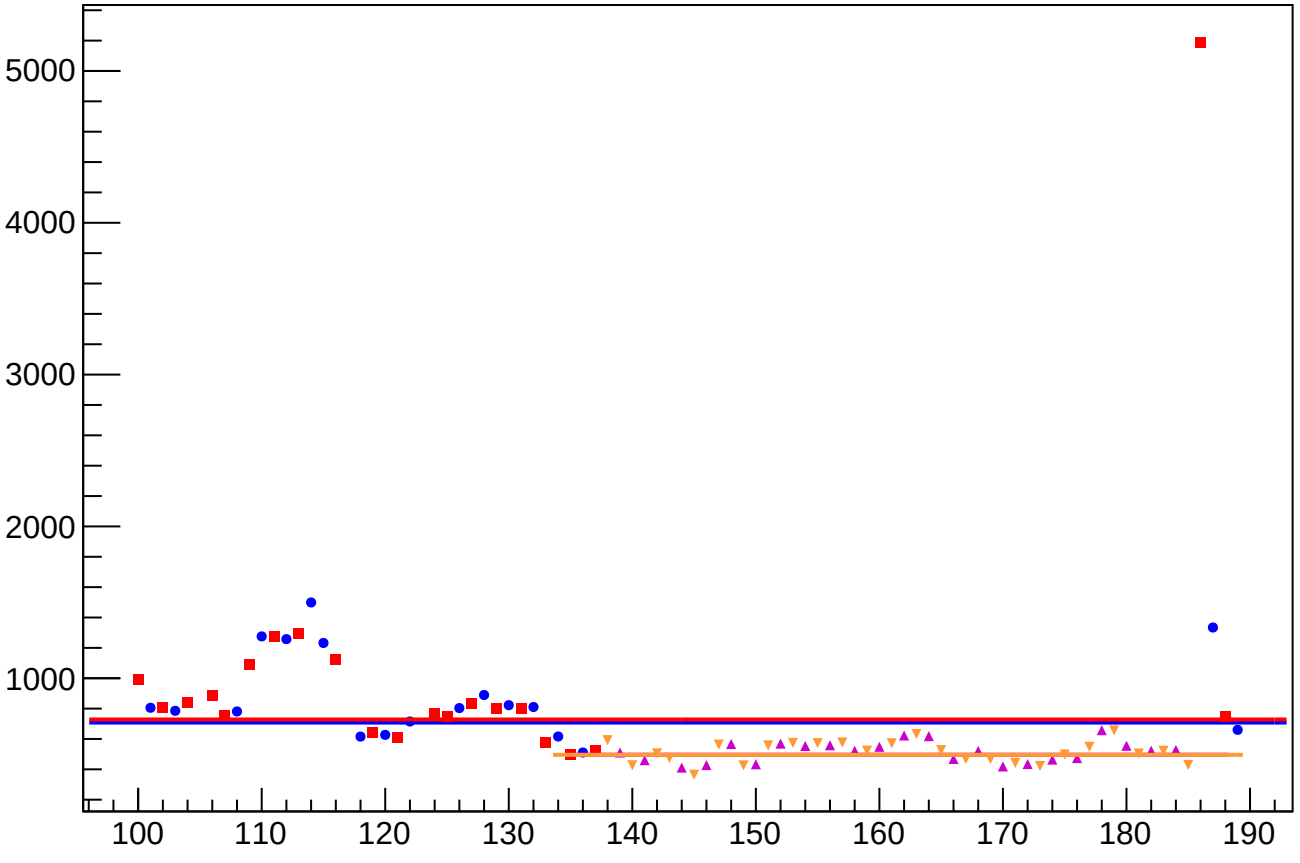
Left In: -68.043+/-117.366 χ^2/NDF:28.6/22

+ sign -336.428+/-104.601 χ^2/NDF: 51.4/42

All: -222.626+/-74.746 χ^2/NDF: 101.7/86

- sign -103.884+/-106.847 χ^2/NDF: 47.9/43

asym_sam_26_48_dd_rms vs Slug



Right In: 707.952+/-0.184 χ^2/NDF: 983025.0/17

Left Out: 495.514+/-0.081 χ^2/NDF:804659.4/24

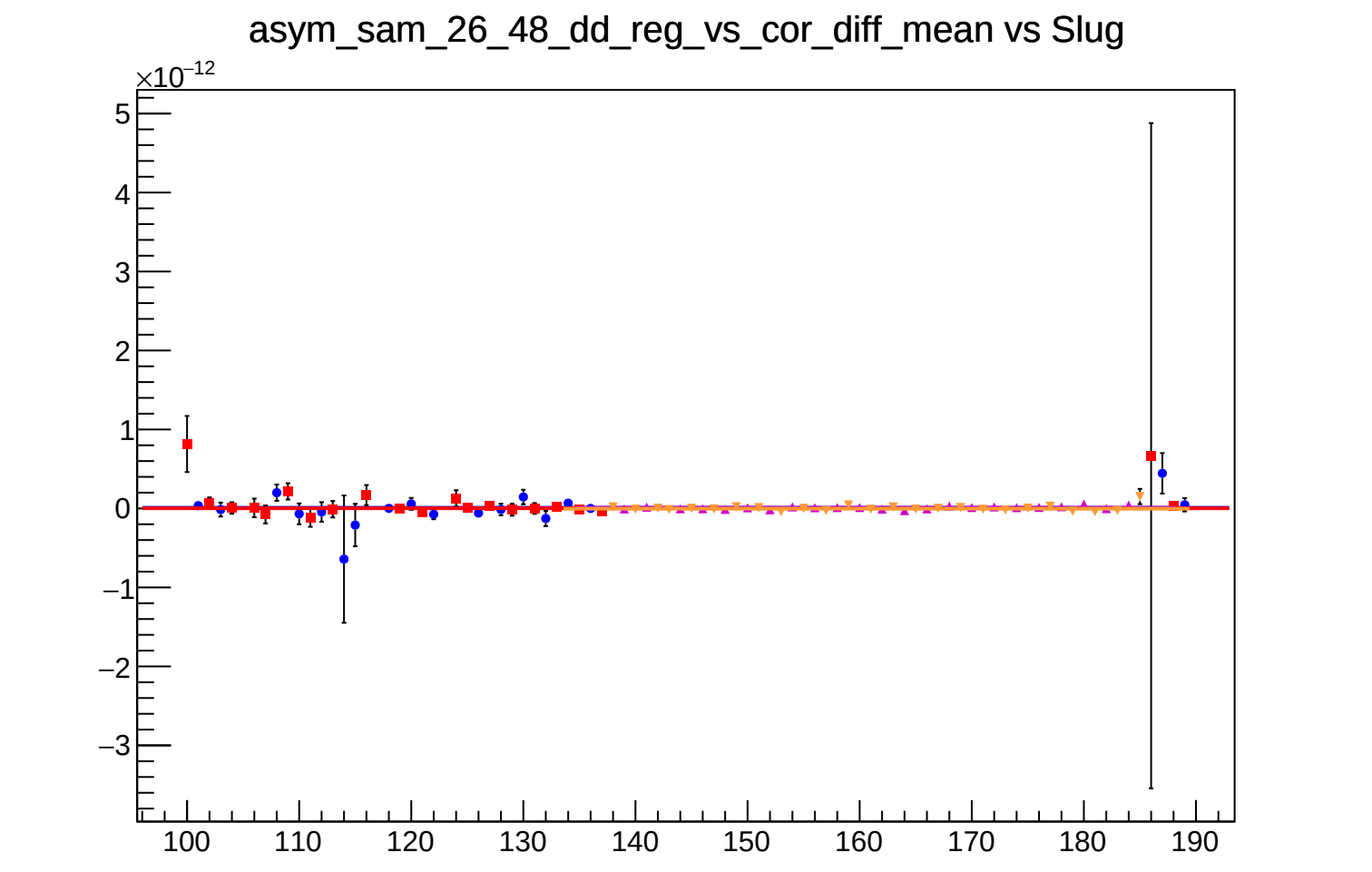
Right Out: 728.345+/-0.183 χ^2/NDF: 1608147.1/20

Left In: 496.307+/-0.083 χ^2/NDF:622356.2/22

\+ sign 529.827+/-0.074 χ^2/NDF: 2904919.8/42

All: 532.866+/-0.053 χ^2/NDF: 6477339.1/86

\- sign 536.036+/-0.076 χ^2/NDF: 3568971.1/43



Right In: 0.000+/-0.000 χ^2/NDF: 20.5/17

Left Out: -0.000+/-0.000 χ^2/NDF:25.1/24

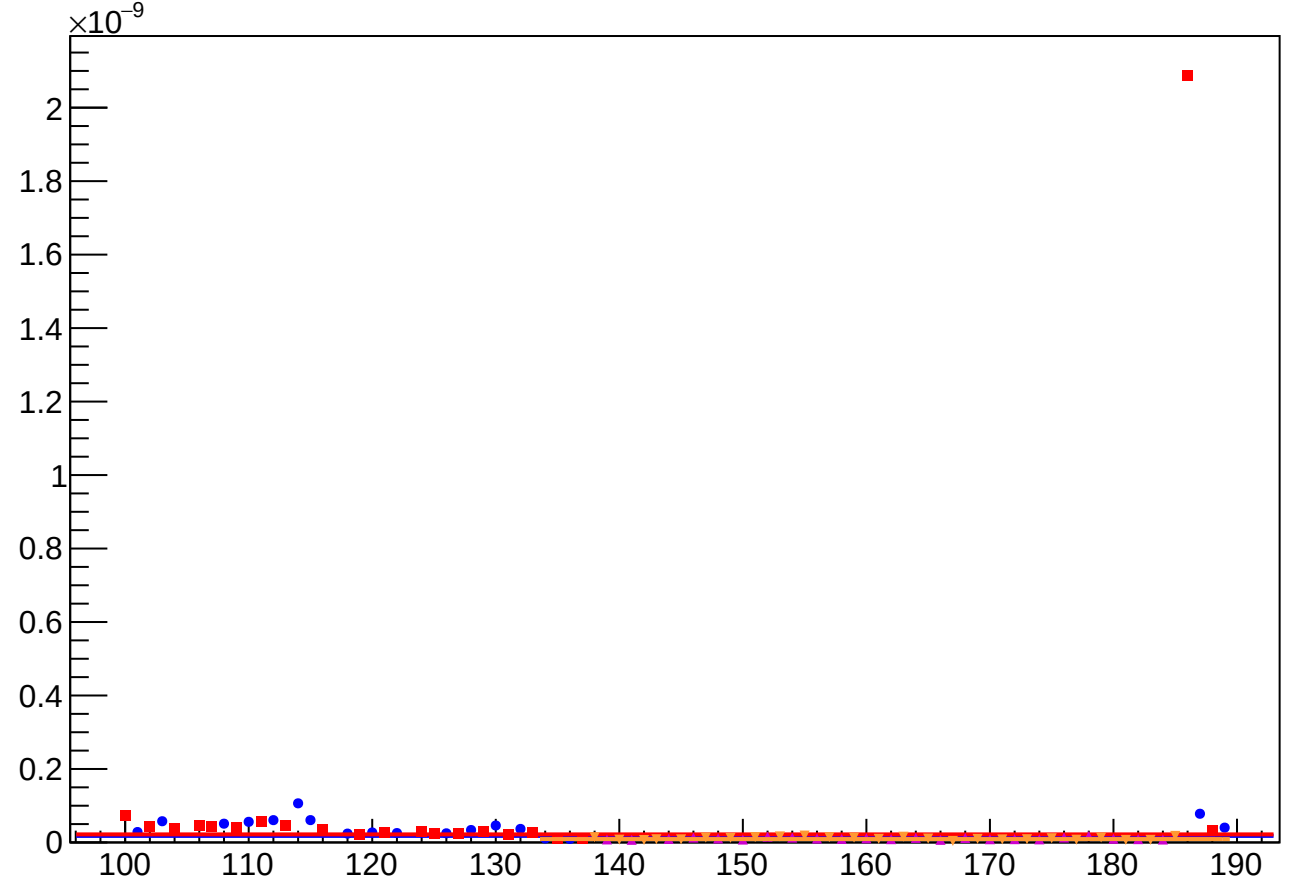
Right Out: 0.000+/-0.000 χ^2/NDF: 18.3/20

Left In: 0.000+/-0.000 χ^2/NDF:15.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 46.4/42

All: 0.000+/-0.000 χ^2/NDF: 83.6/86

- sign 0.000+/-0.000 χ^2/NDF: 34.0/43



Right In: 0.000+/-0.000 χ^2/NDF: 2626042.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:1832944.8/24

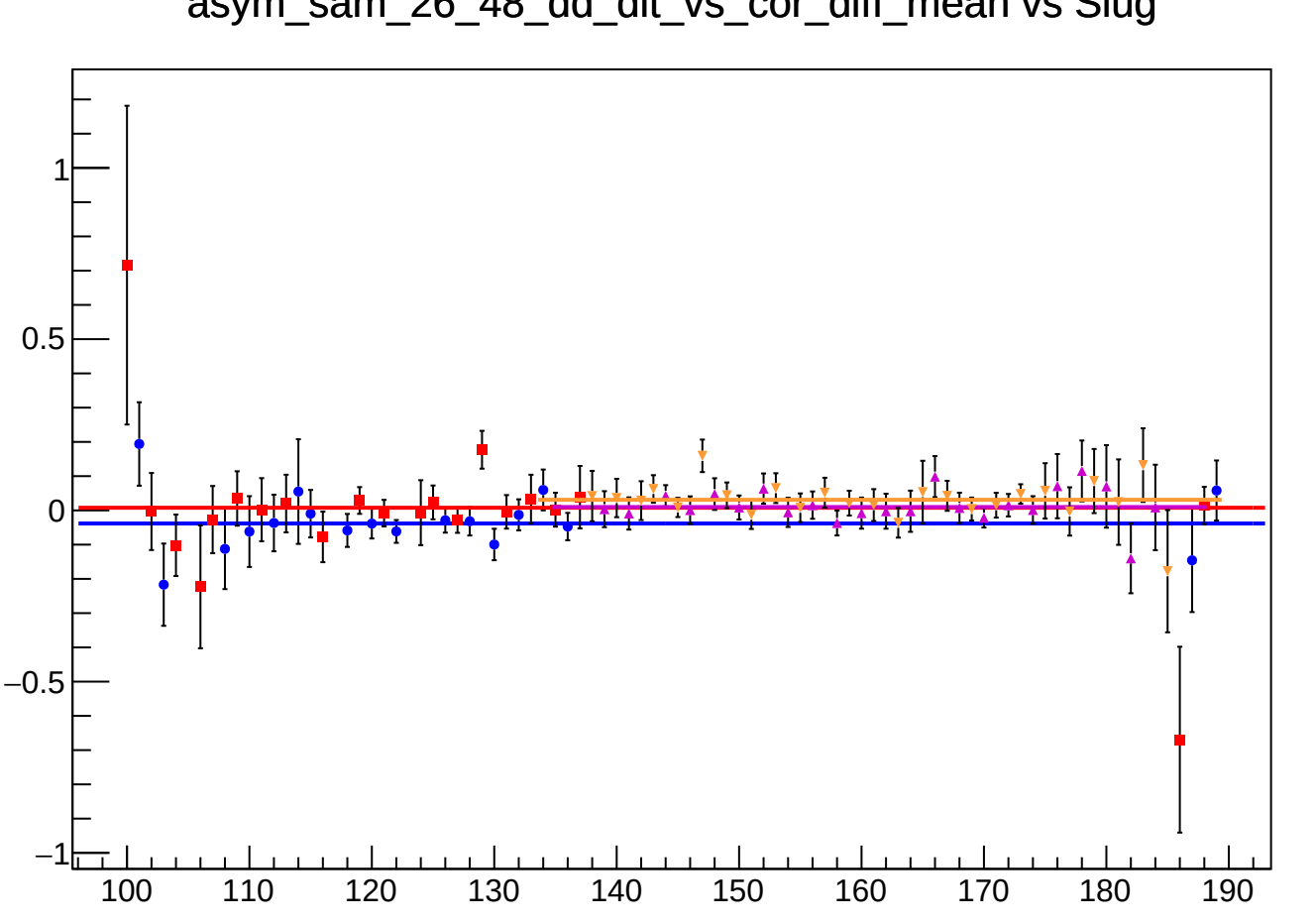
Right Out: 0.000+/-0.000 χ^2/NDF: 2233221.1/20

Left In: 0.000+/-0.000 χ^2/NDF:622904.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5509343.3/42

All: 0.000+/-0.000 χ^2/NDF: 10022367.6/86

- sign 0.000+/-0.000 χ^2/NDF: 4470211.5/43



Right In: -0.038+/-0.013 χ^2/NDF: 14.1/17

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: 0.008+/-0.014 χ^2/NDF: 24.5/20

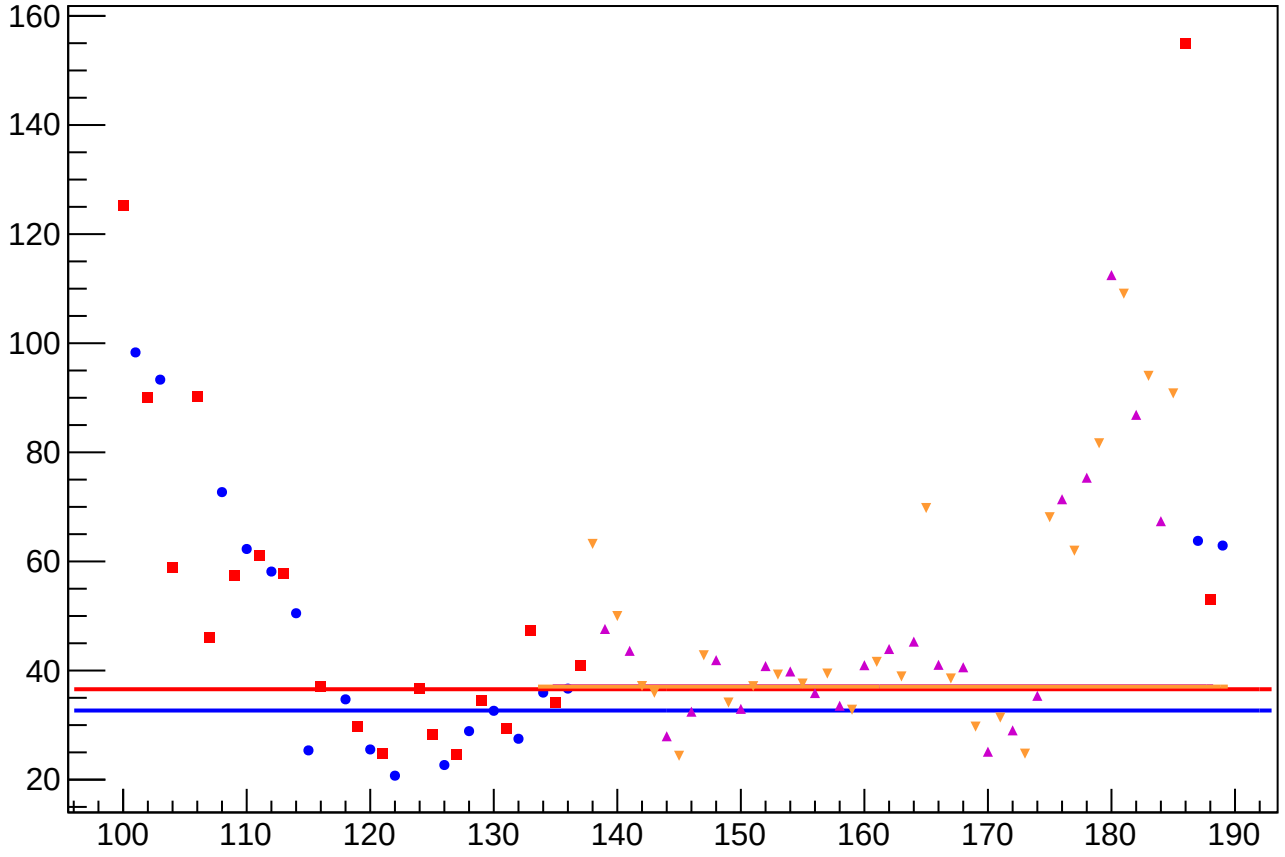
Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.008+/-0.007 χ^2/NDF: 50.9/42

All: 0.009+/-0.005 χ^2/NDF: 88.7/86

- sign 0.009+/-0.008 χ^2/NDF: 37.8/43

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 32.672+/-0.009 χ^2/NDF: 2584433.8/17

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

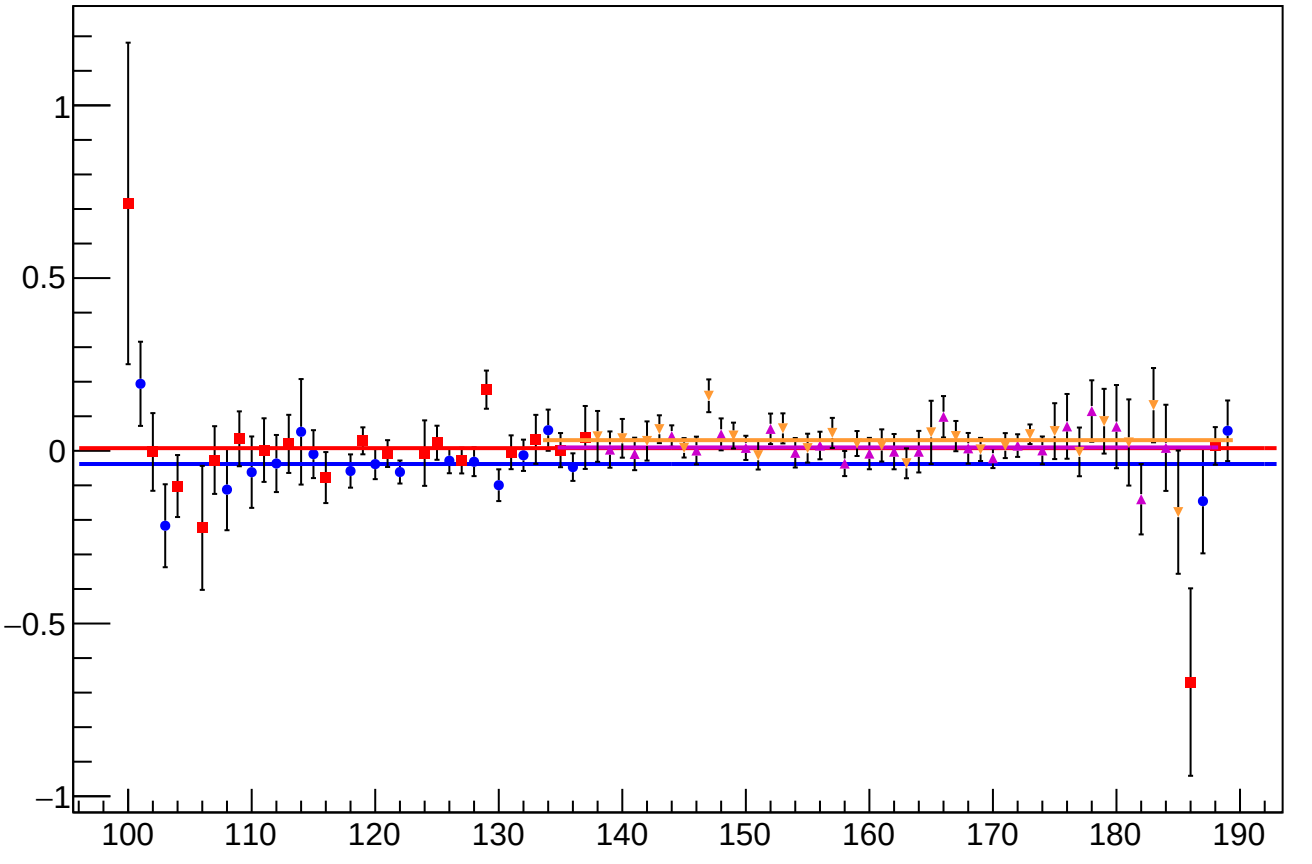
Right Out: 36.574+/-0.010 χ^2/NDF: 2427352.3/20

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 35.605+/-0.005 χ^2/NDF: 6791103.2/42

All: 36.253+/-0.004 χ^2/NDF: 12264799.2/86

- sign 36.950+/-0.005 χ^2/NDF: 5442366.3/43



Right In: -0.038+/-0.013 χ^2/NDF: 14.1/17

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

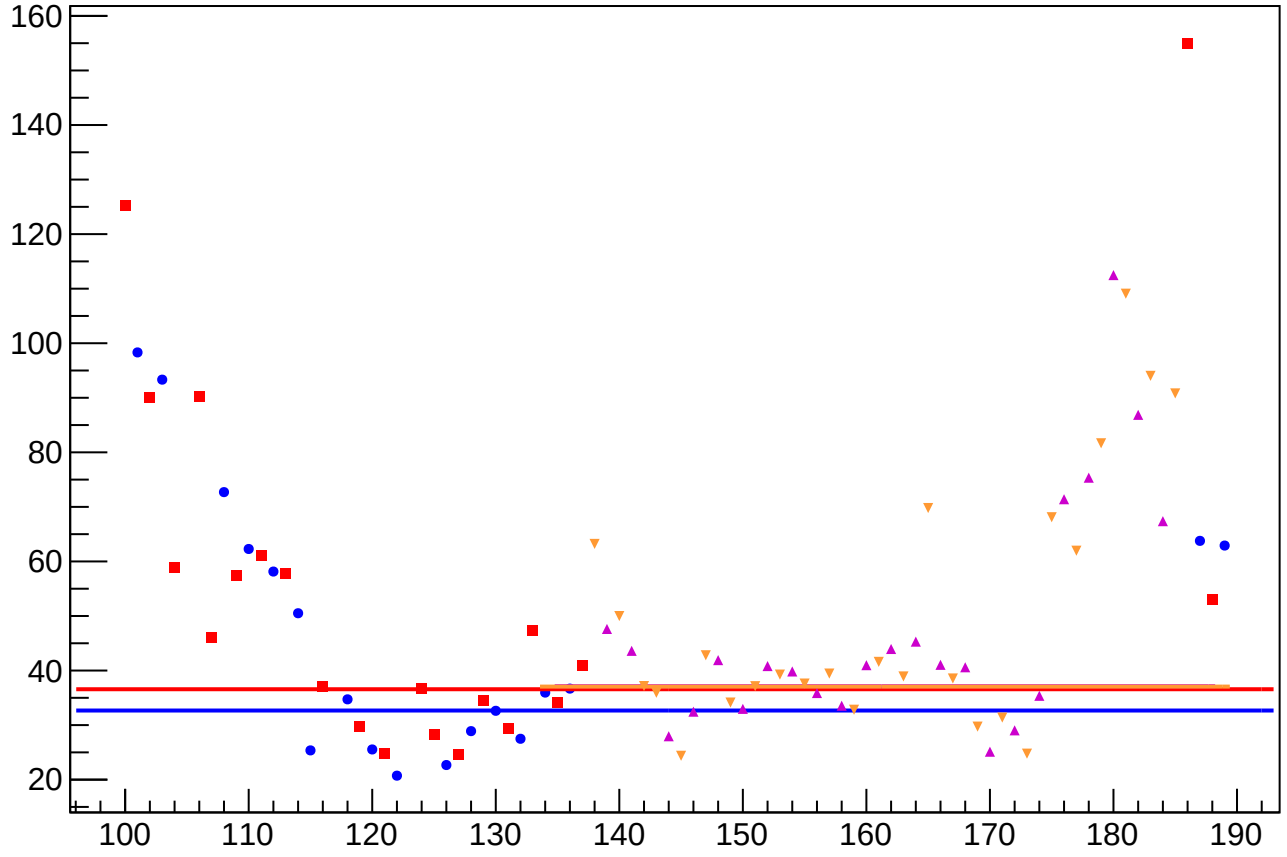
Right Out: 0.008+/-0.014 χ^2/NDF: 24.5/20

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.008+/-0.007 χ^2/NDF: 50.9/42

All: 0.009+/-0.005 χ^2/NDF: 88.7/86

- sign 0.009+/-0.008 χ^2/NDF: 37.8/43



Right In: 32.672+/-0.009 χ^2/NDF: 2584433.8/17

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

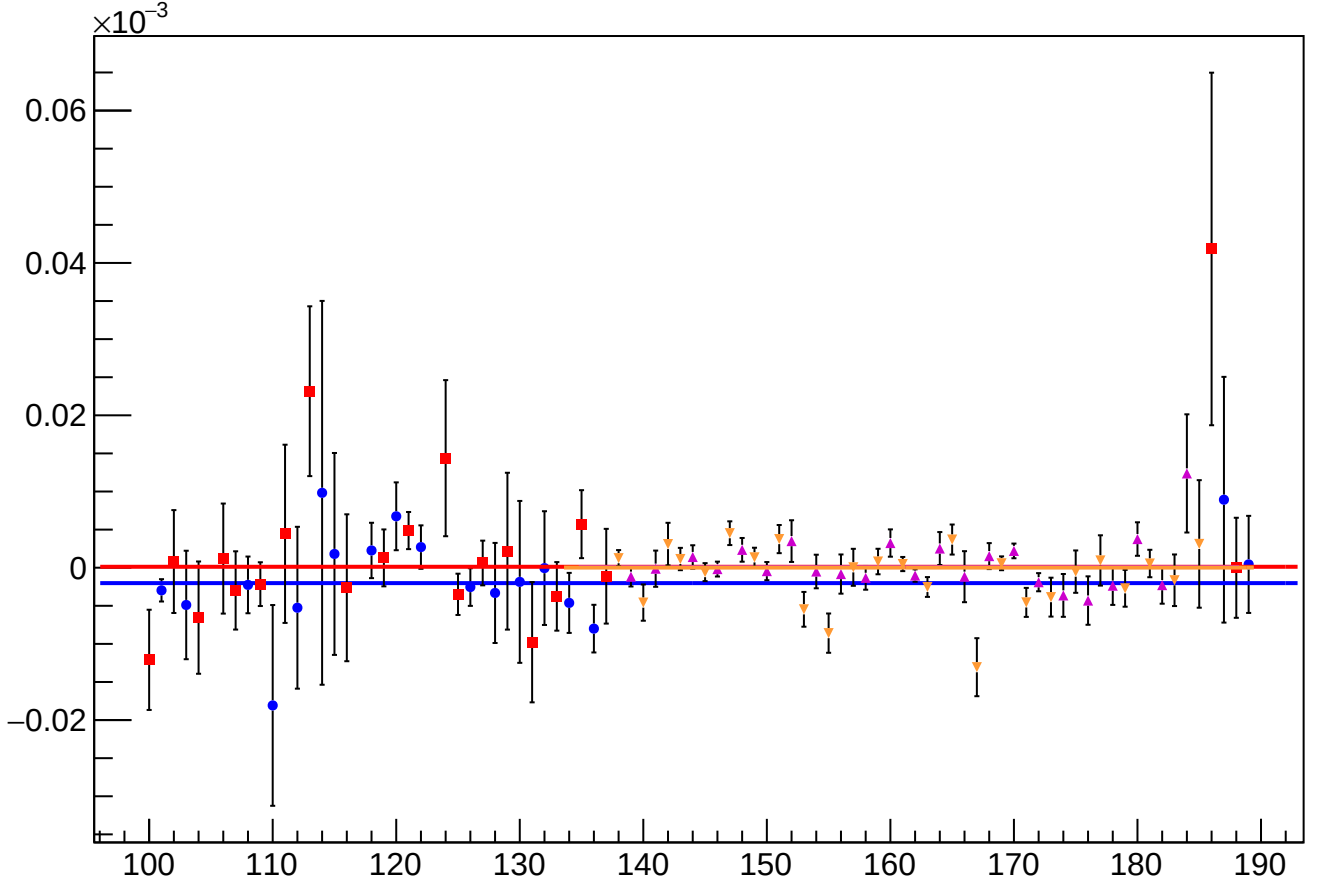
Right Out: 36.574+/-0.010 χ^2/NDF: 2427352.3/20

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 35.605+/-0.005 χ^2/NDF: 6791103.2/42

All: 36.253+/-0.004 χ^2/NDF: 12264799.2/86

- sign 36.950+/-0.005 χ^2/NDF: 5442366.3/43



Right In: -0.000+/-0.000 χ^2/NDF: 15.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:67.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.7/20

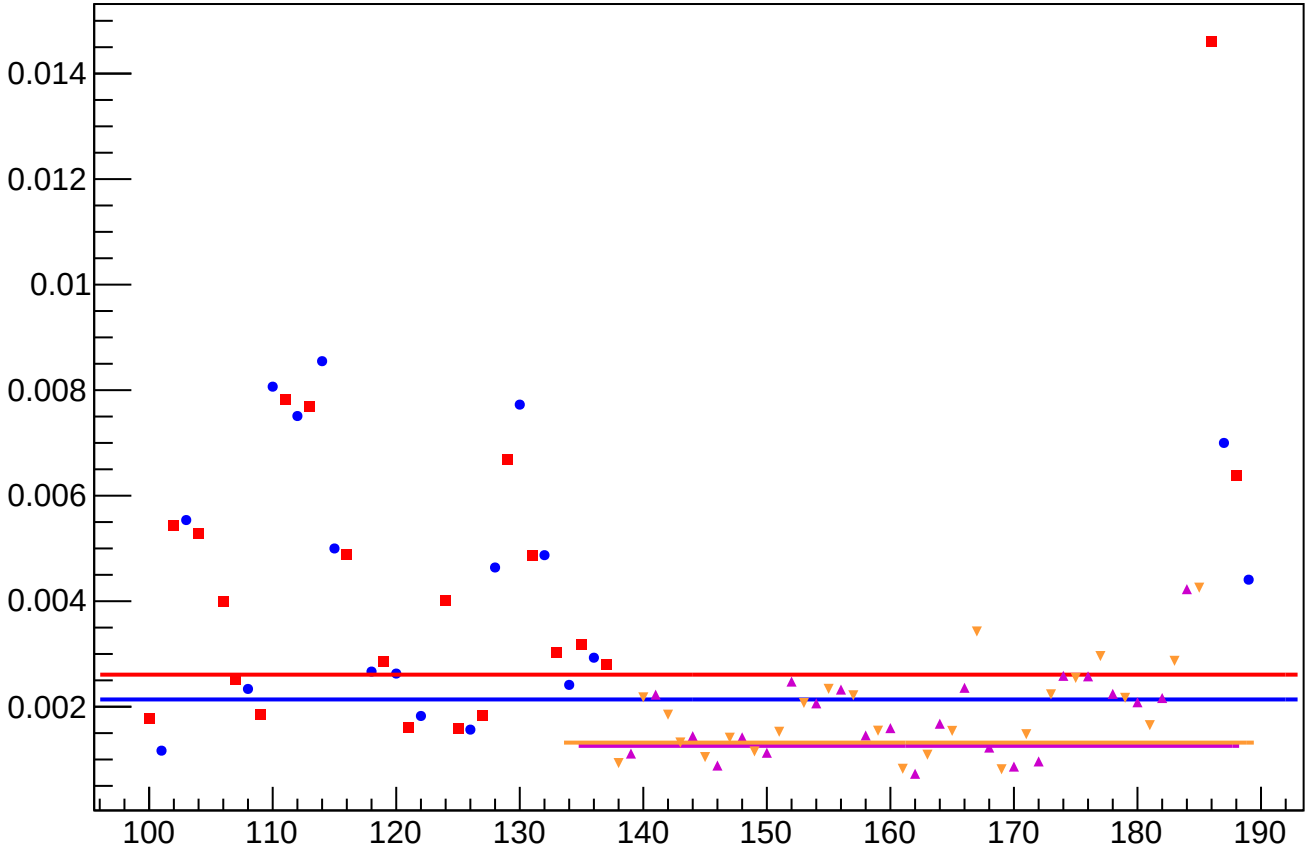
Left In: 0.000+/-0.000 χ^2/NDF:32.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 87.5/42

All: -0.000+/-0.000 χ^2/NDF: 144.9/86

- sign 0.000+/-0.000 χ^2/NDF: 56.9/43

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 4361545.9/17

Left Out: 0.001+/-0.000 χ^2/NDF:5632532.9/24

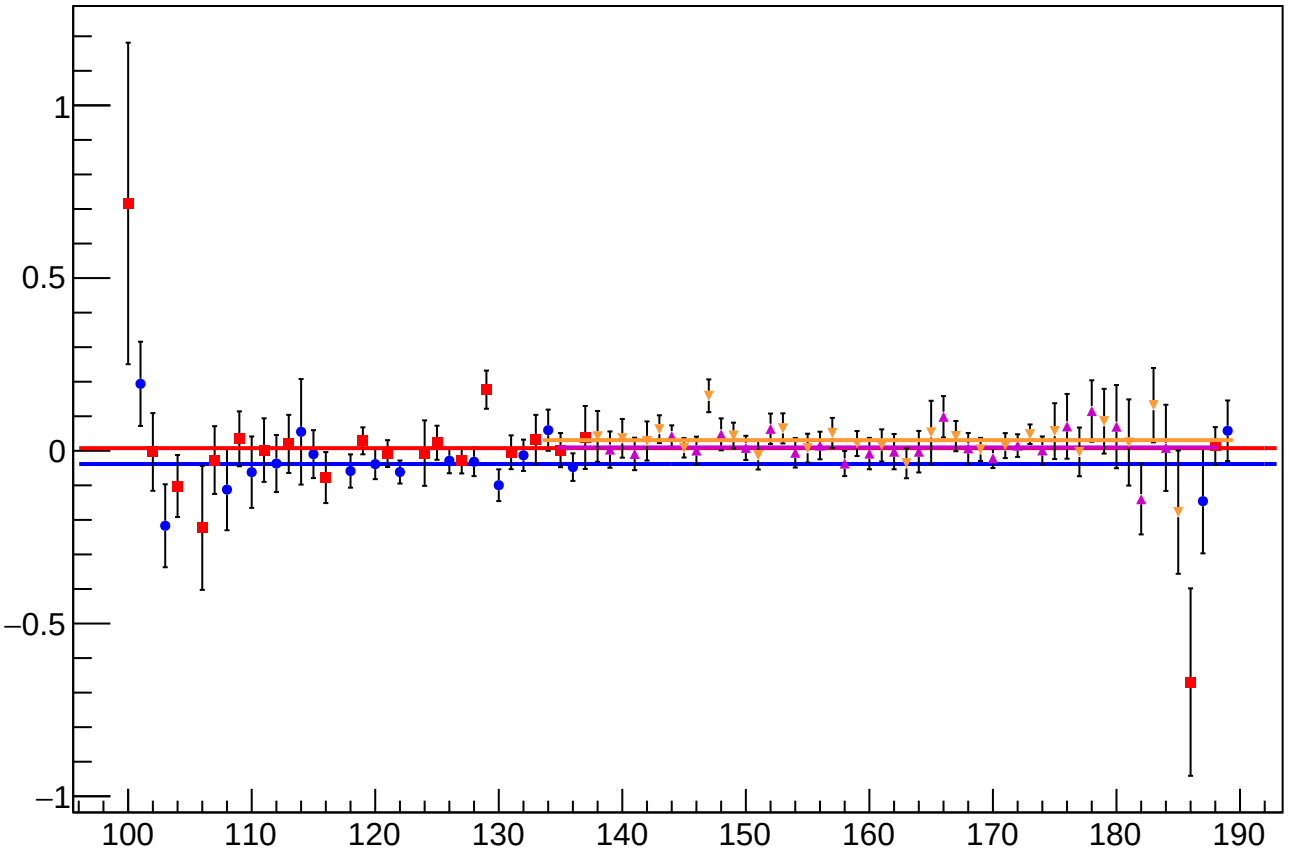
Right Out: 0.003+/-0.000 χ^2/NDF: 4315317.4/20

Left In: 0.001+/-0.000 χ^2/NDF:5369001.1/22

+ sign 0.001+/-0.000 χ^2/NDF: 11452107.6/42

All: 0.001+/-0.000 χ^2/NDF: 24275643.0/86

- sign 0.001+/-0.000 χ^2/NDF: 12811164.4/43



Right In: -0.038+/-0.013 χ^2/NDF: 14.1/17

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

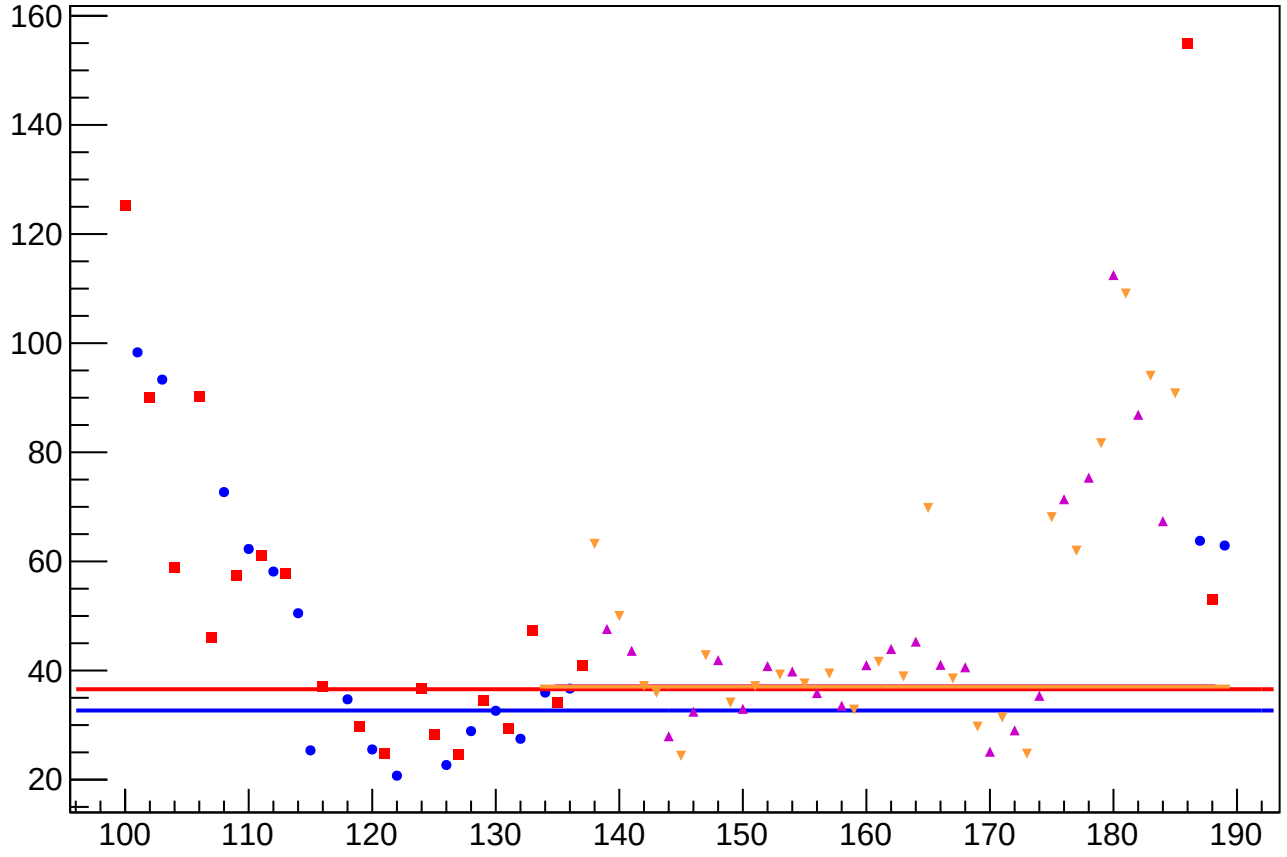
Right Out: 0.008+/-0.014 χ^2/NDF: 24.5/20

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.008+/-0.007 χ^2/NDF: 50.9/42

All: 0.009+/-0.005 χ^2/NDF: 88.7/86

- sign 0.009+/-0.008 χ^2/NDF: 37.8/43



Right In: 32.672+/-0.009 χ^2/NDF: 2584397.8/17

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

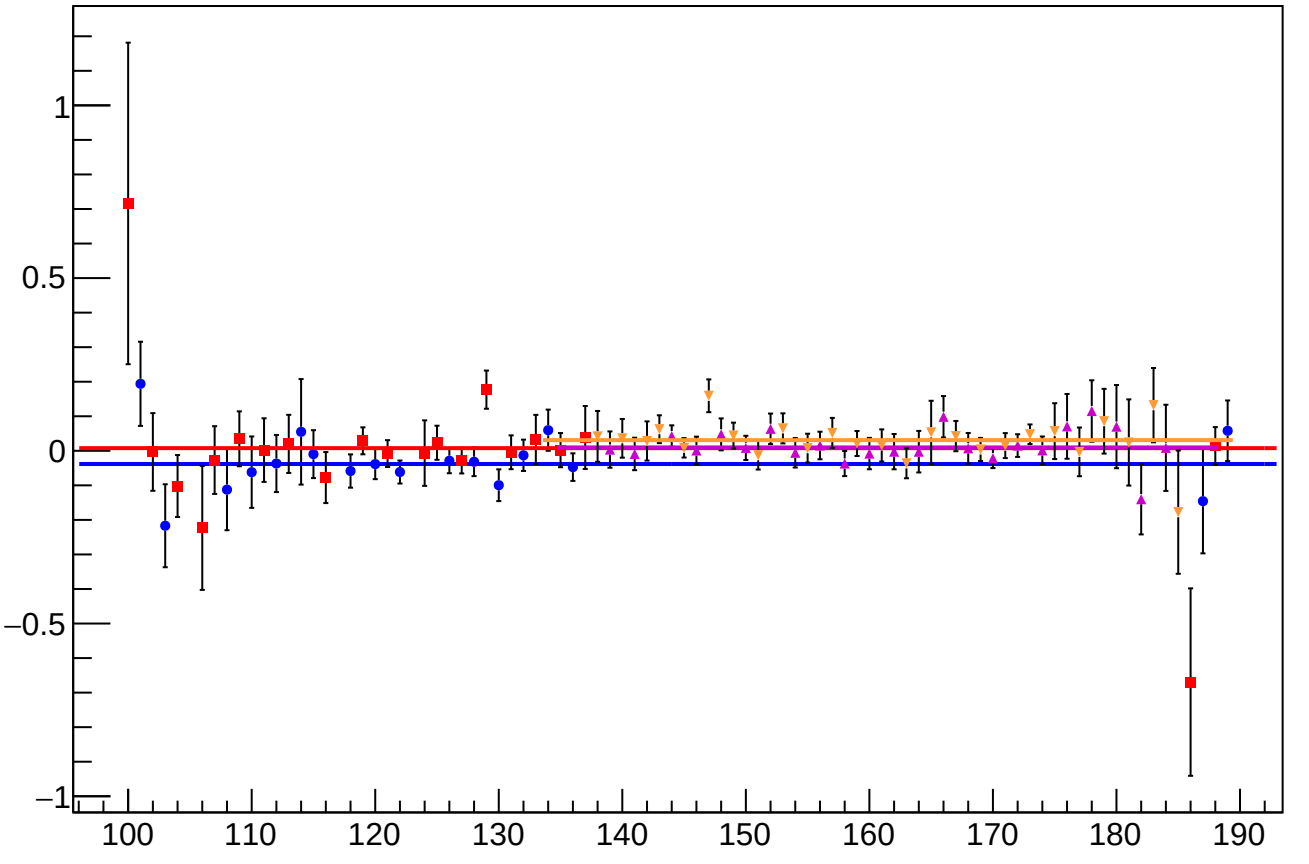
Right Out: 36.574+/-0.010 χ^2/NDF: 2427194.9/20

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

+ sign 35.605+/-0.005 χ^2/NDF: 6791047.5/42

All: 36.254+/-0.004 χ^2/NDF: 12264553.2/86

- sign 36.950+/-0.005 χ^2/NDF: 5442176.4/43



Right In: -0.038+/-0.013 χ^2/NDF: 14.1/17

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

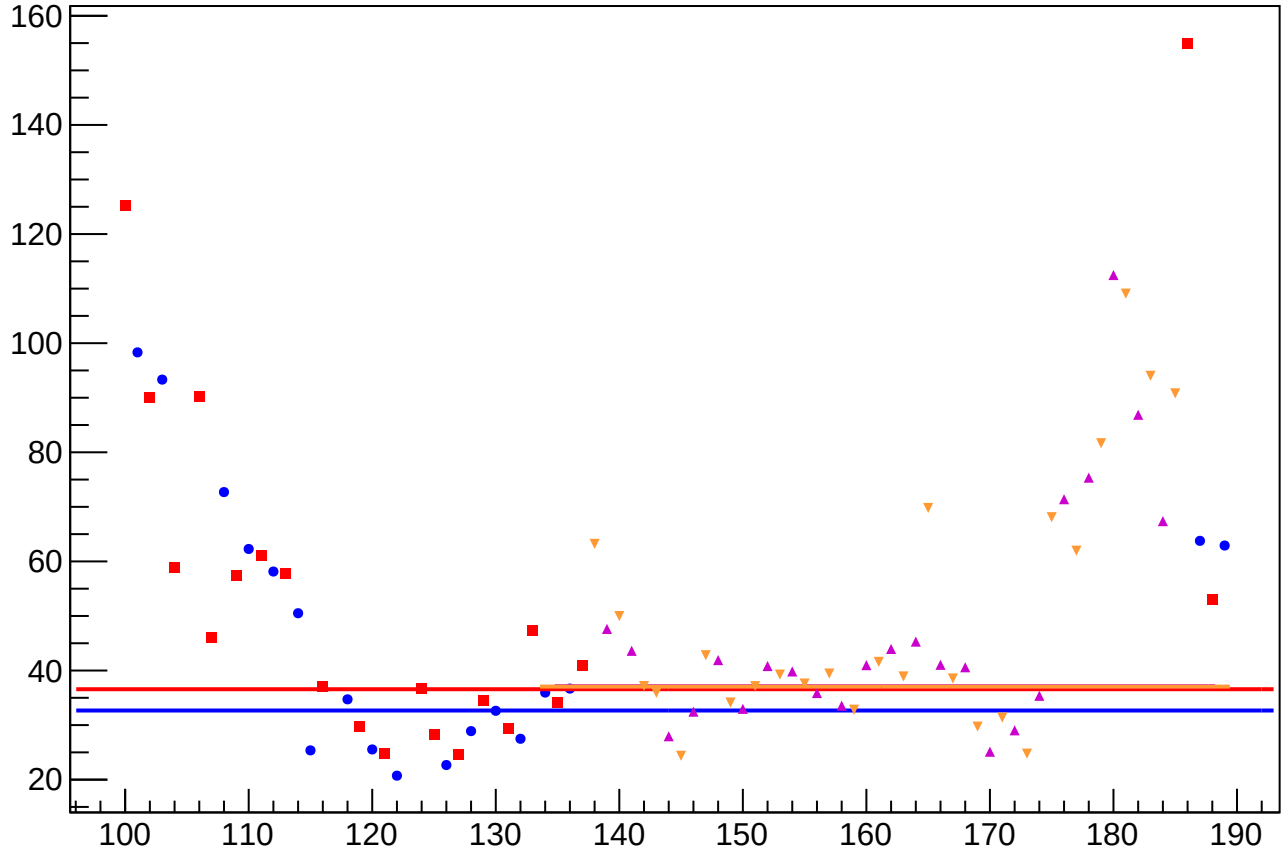
Right Out: 0.008+/-0.014 χ^2/NDF: 24.5/20

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.008+/-0.007 χ^2/NDF: 50.9/42

All: 0.009+/-0.005 χ^2/NDF: 88.7/86

- sign 0.009+/-0.008 χ^2/NDF: 37.8/43



Right In: 32.672+/-0.009 χ^2/NDF: 2584397.8/17

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

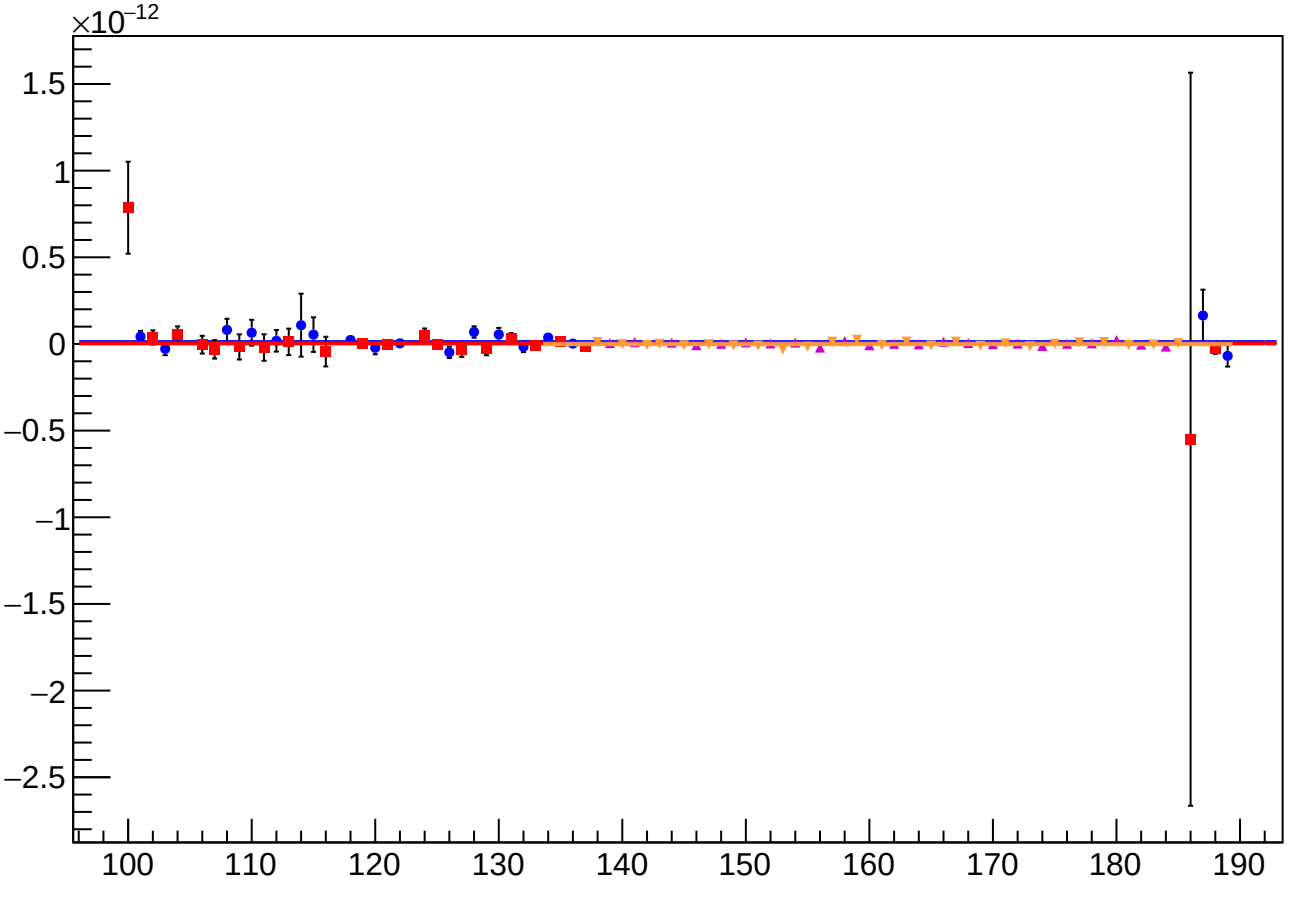
Right Out: 36.574+/-0.010 χ^2/NDF: 2427194.9/20

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

+ sign 35.605+/-0.005 χ^2/NDF: 6791047.5/42

All: 36.254+/-0.004 χ^2/NDF: 12264553.2/86

- sign 36.950+/-0.005 χ^2/NDF: 5442176.4/43



Right In: 0.000+/-0.000 χ^2/NDF: 19.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

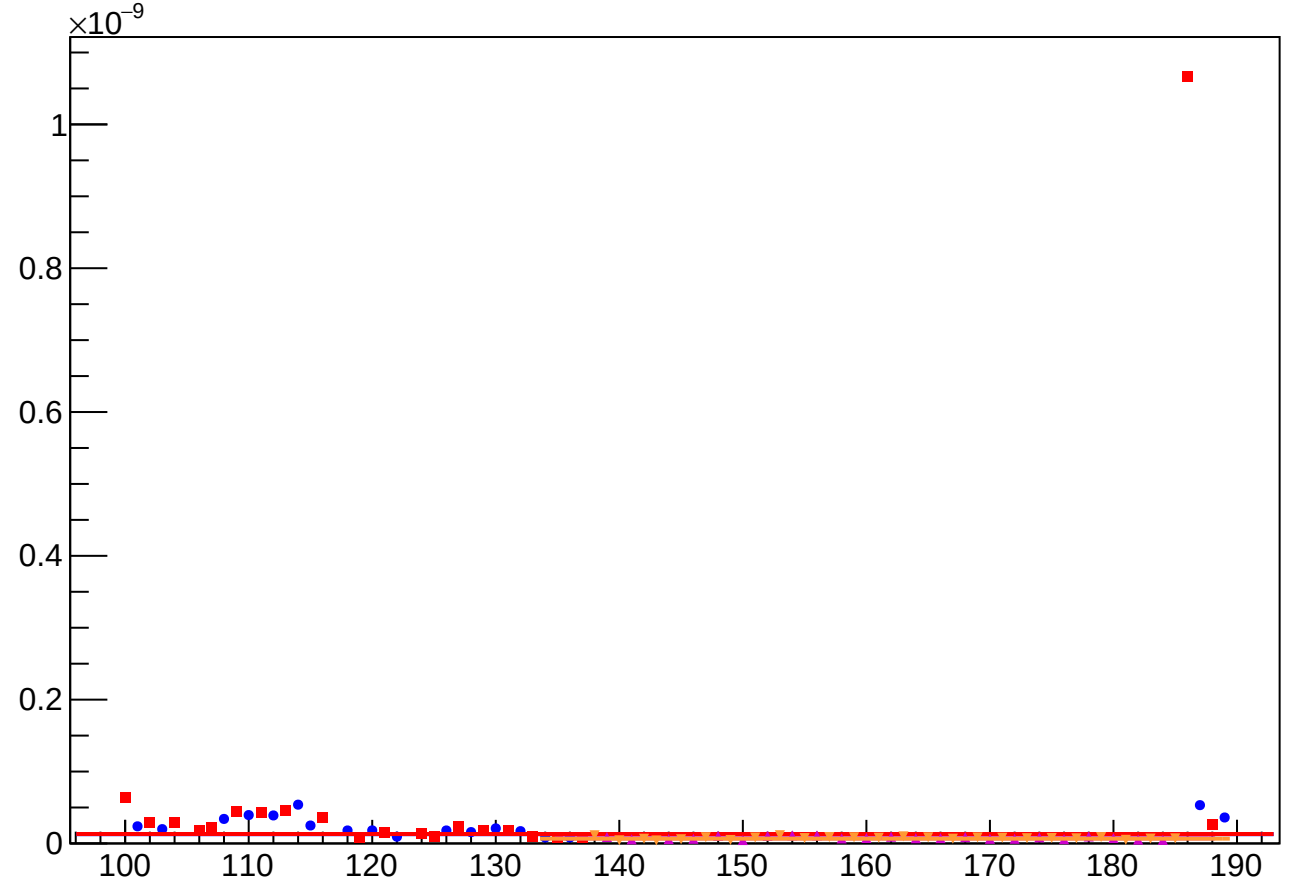
Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/20

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.8/42

All: 0.000+/-0.000 χ^2/NDF: 89.3/86

- sign 0.000+/-0.000 χ^2/NDF: 38.8/43



Right In: 0.000+/-0.000 χ^2/NDF: 2598829.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:1953818.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3583158.5/20

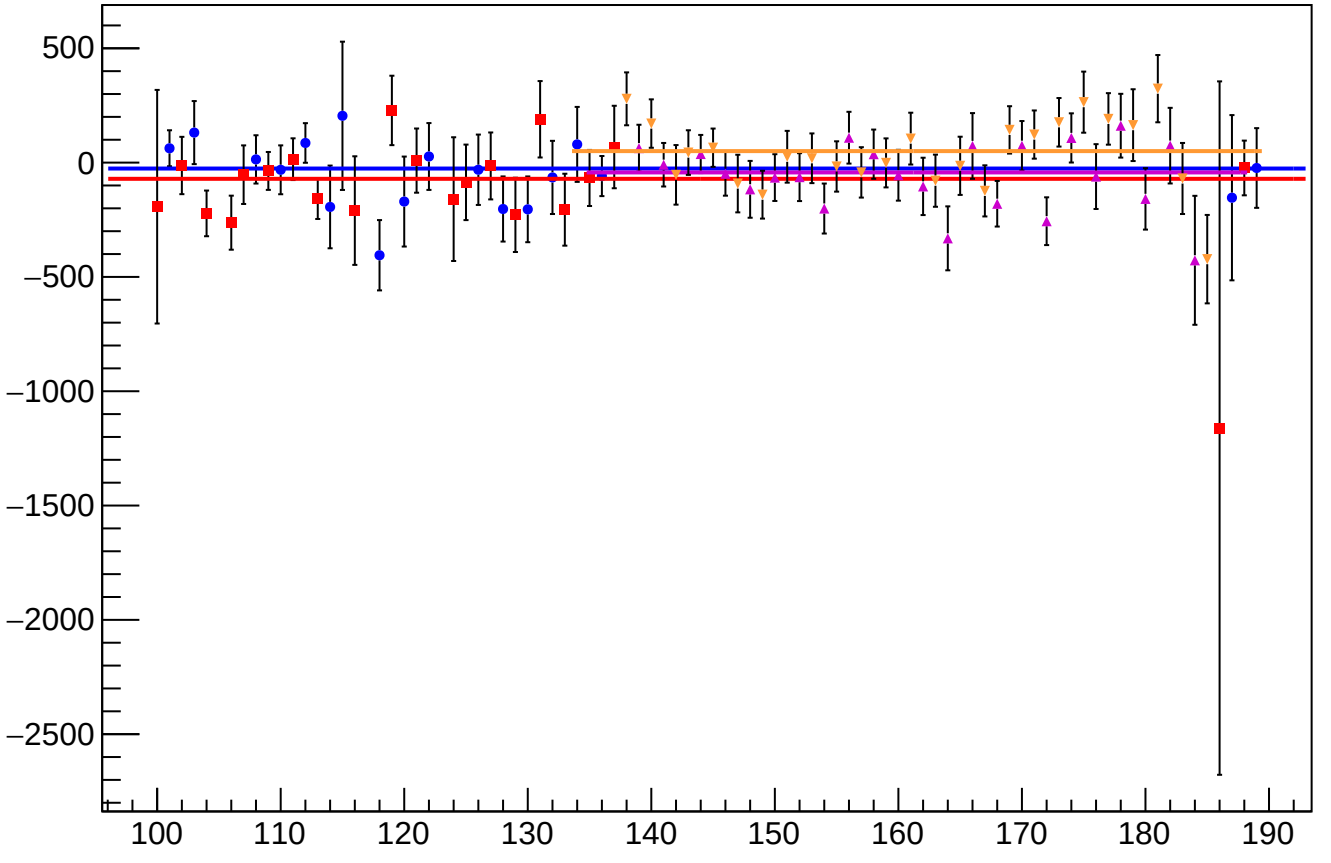
Left In: 0.000+/-0.000 χ^2/NDF:1431998.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 6280913.2/42

All: 0.000+/-0.000 χ^2/NDF: 12915610.7/86

- sign 0.000+/-0.000 χ^2/NDF: 6578627.8/43

reg_asym_sam_1548_avg_mean vs Slug



Right In: -25.949+/-30.630 χ^2/NDF: 16.3/17

Left Out: 50.314+/-22.958 χ^2/NDF:33.5/24

Right Out: -70.911+/-29.034 χ^2/NDF: 17.5/20

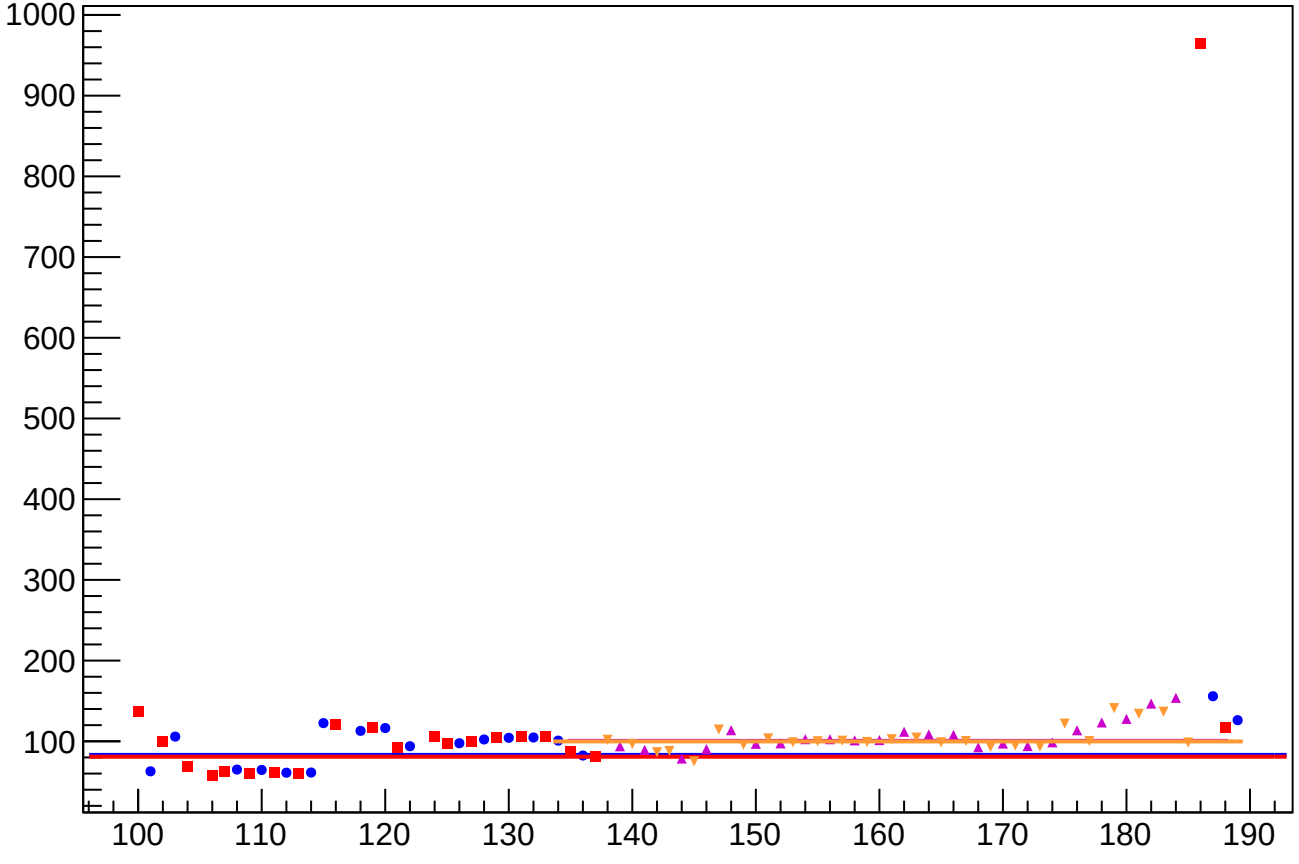
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 22.882+/-18.370 χ^2/NDF: 53.7/42

All: -15.629+/-12.996 χ^2/NDF: 107.2/86

- sign -54.209+/-18.387 χ^2/NDF: 44.6/43

reg_asym_sam_1548_avg_rms vs Slug



Right In: 83.135+/-0.022 χ^2/NDF: 998341.3/17

Left Out: 99.839+/-0.016 χ^2/NDF:697768.7/24

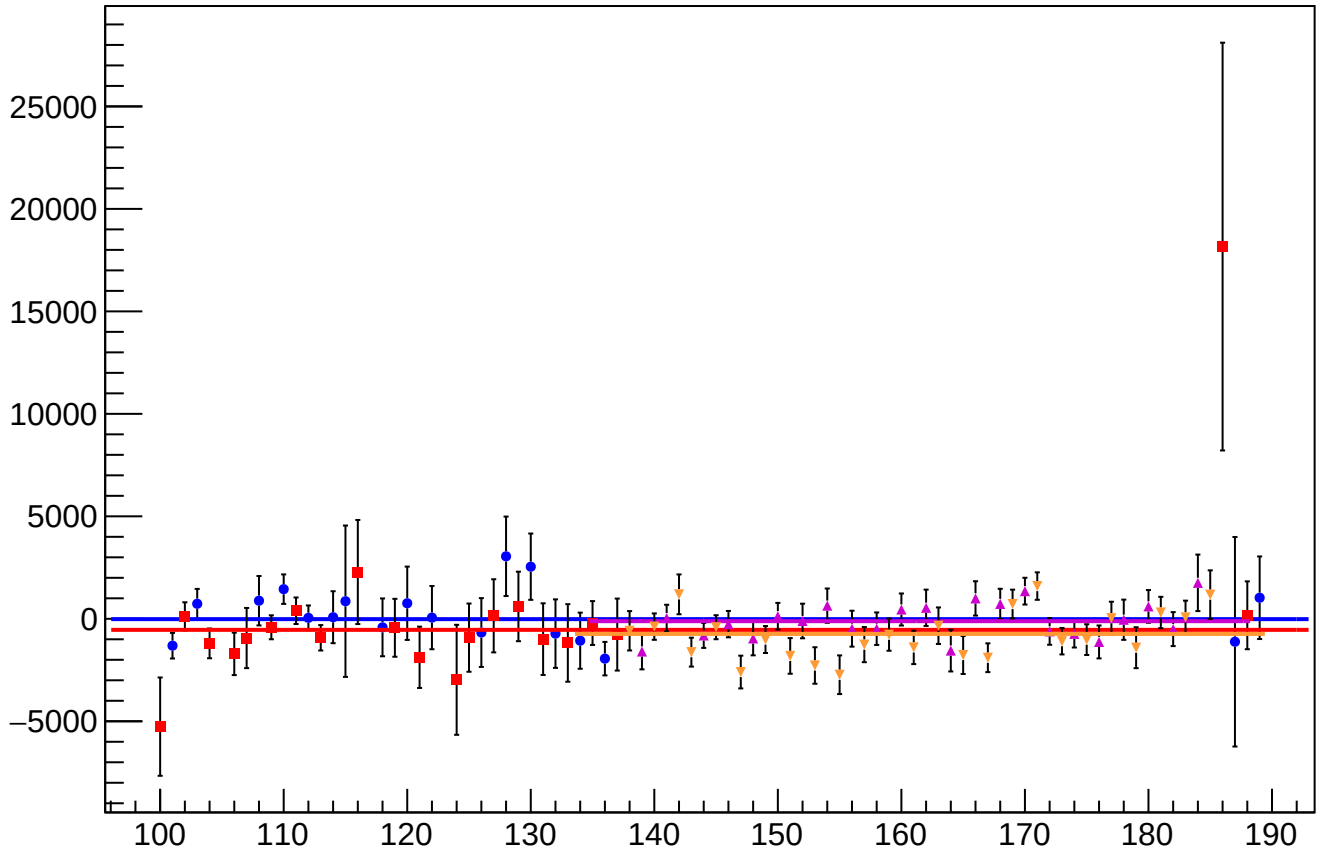
Right Out: 80.898+/-0.021 χ^2/NDF: 1810295.1/20

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 93.830+/-0.013 χ^2/NDF: 2076958.3/42

All: 93.234+/-0.009 χ^2/NDF: 5094210.9/86

- sign 92.637+/-0.013 χ^2/NDF: 3013038.6/43



Right In: -16.201+/-254.616 χ^2/NDF: 22.2/17

Left Out: -738.364+/-156.311 χ^2/NDF:49.7/24

Right Out: -539.391+/-235.988 χ^2/NDF: 17.0/20

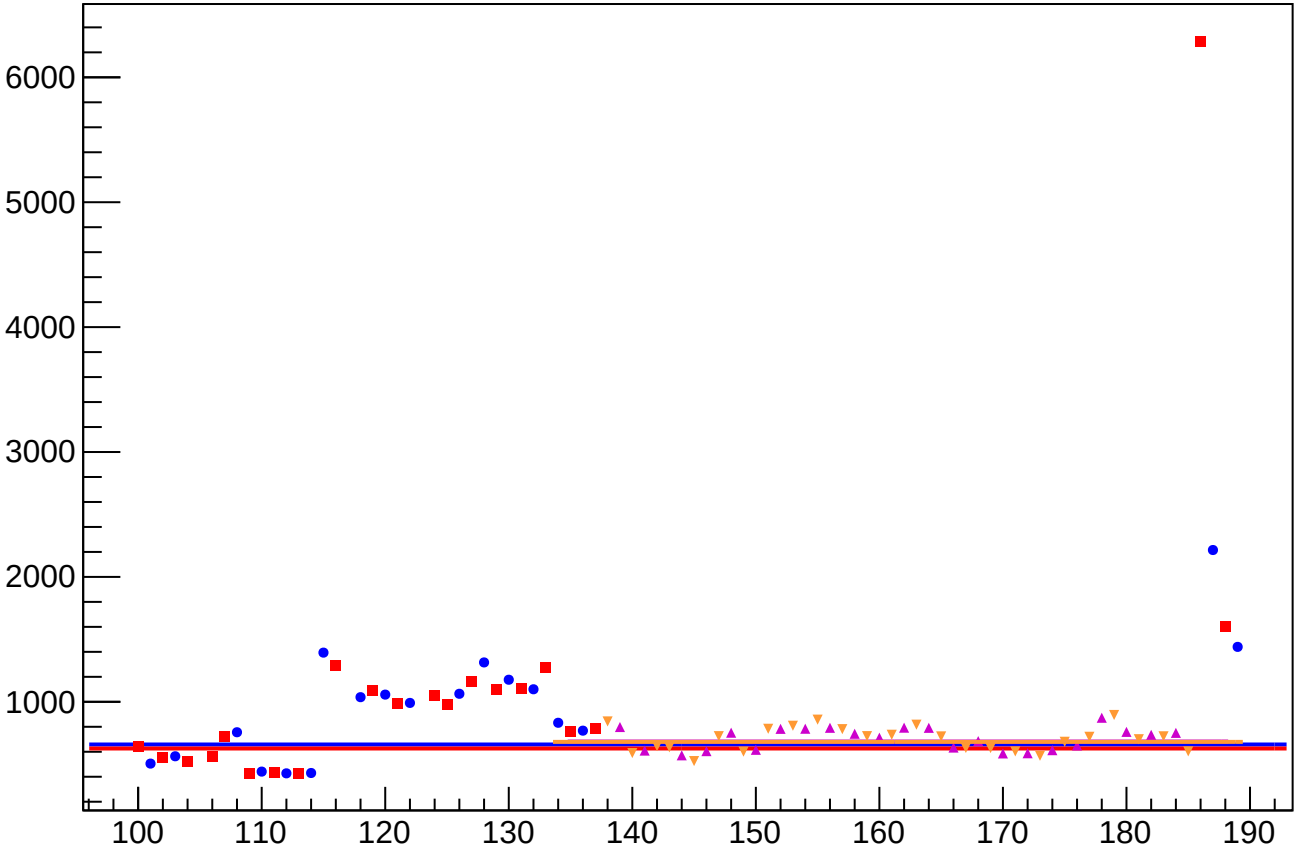
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -540.692+/-133.211 χ^2/NDF: 77.7/42

All: -395.214+/-94.117 χ^2/NDF: 123.1/86

- sign -250.218+/-132.991 χ^2/NDF: 43.0/43

asym_sam_1548_avg_reg_correction_rms vs Slug



Right In: 658.160+/-0.180 χ^2/NDF: 2370171.2/17

Left Out: 679.146+/-0.111 χ^2/NDF:737419.7/24

Right Out: 626.148+/-0.167 χ^2/NDF: 3431189.9/20

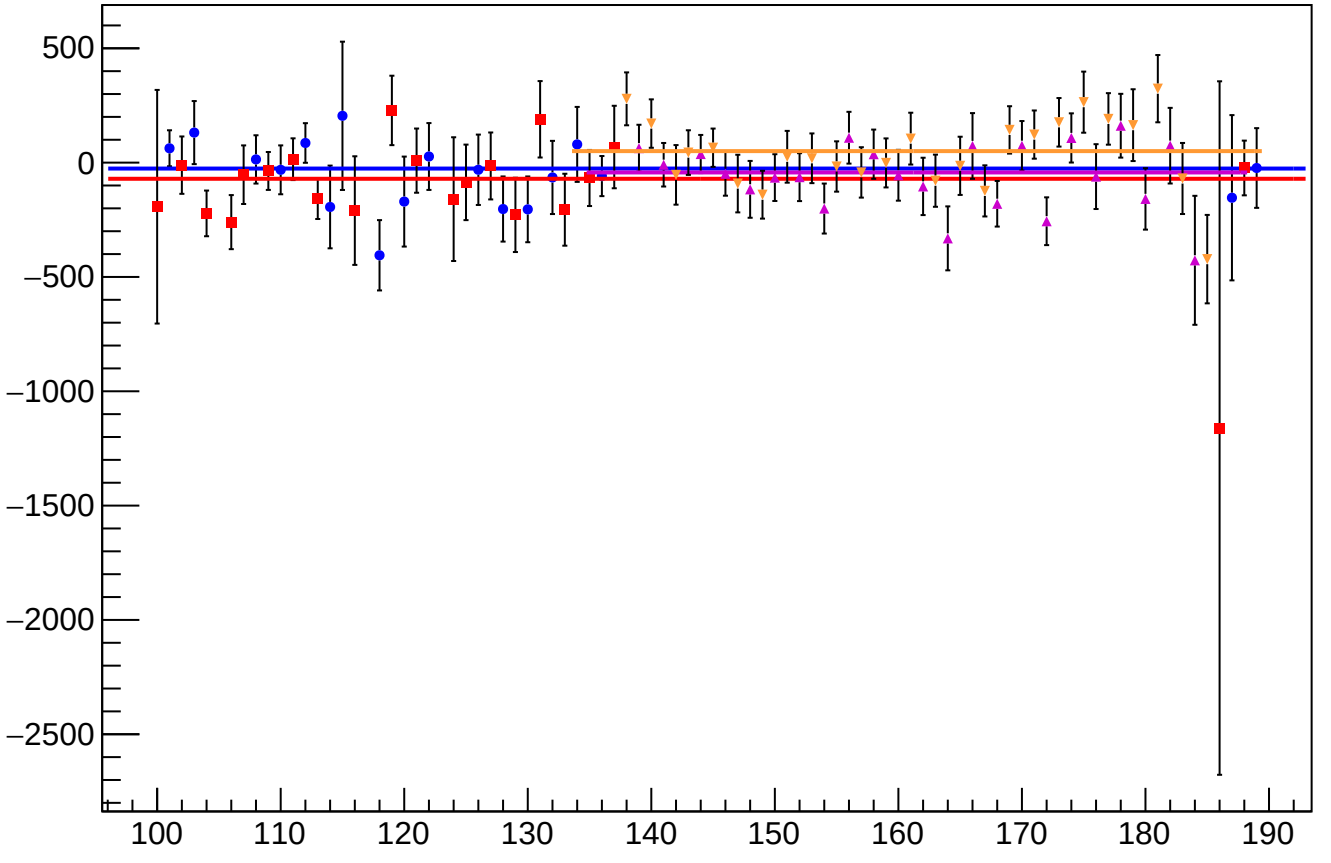
Left In: 681.893+/-0.114 χ^2/NDF:573812.4/22

+ sign 673.402+/-0.094 χ^2/NDF: 3117459.1/42

All: 668.788+/-0.067 χ^2/NDF: 7203408.8/86

- sign 664.189+/-0.094 χ^2/NDF: 4081159.0/43

cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.951+/-30.630 χ^2/NDF: 16.3/17

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: -70.660+/-29.036 χ^2/NDF: 17.4/20

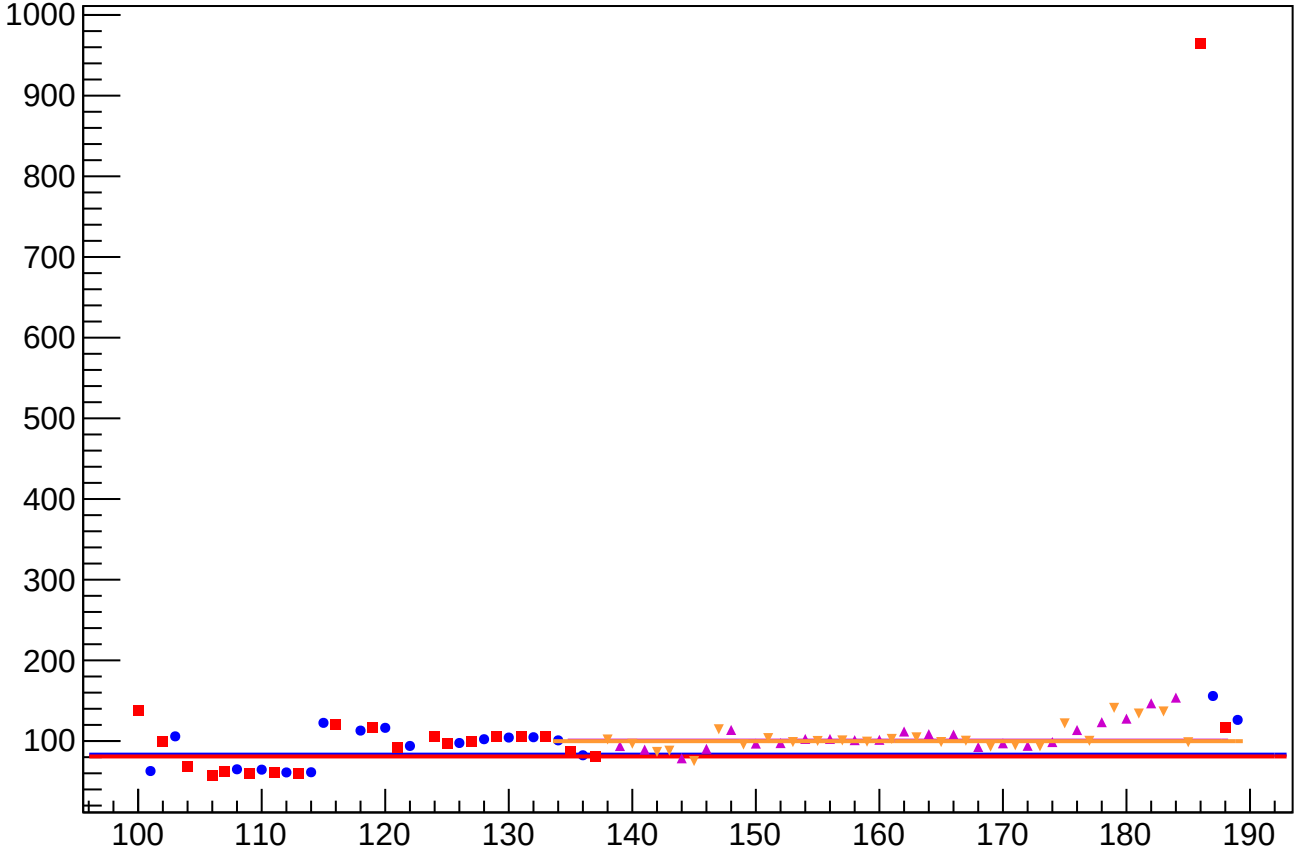
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 22.886+/-18.370 χ^2/NDF: 53.7/42

All: -15.575+/-12.996 χ^2/NDF: 107.1/86

- sign -54.108+/-18.387 χ^2/NDF: 44.6/43

cor_asym_sam_1548_avg_rms vs Slug



Right In: 83.135+/-0.022 χ^2/NDF: 998343.6/17

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

Right Out: 80.881+/-0.021 χ^2/NDF: 1812648.0/20

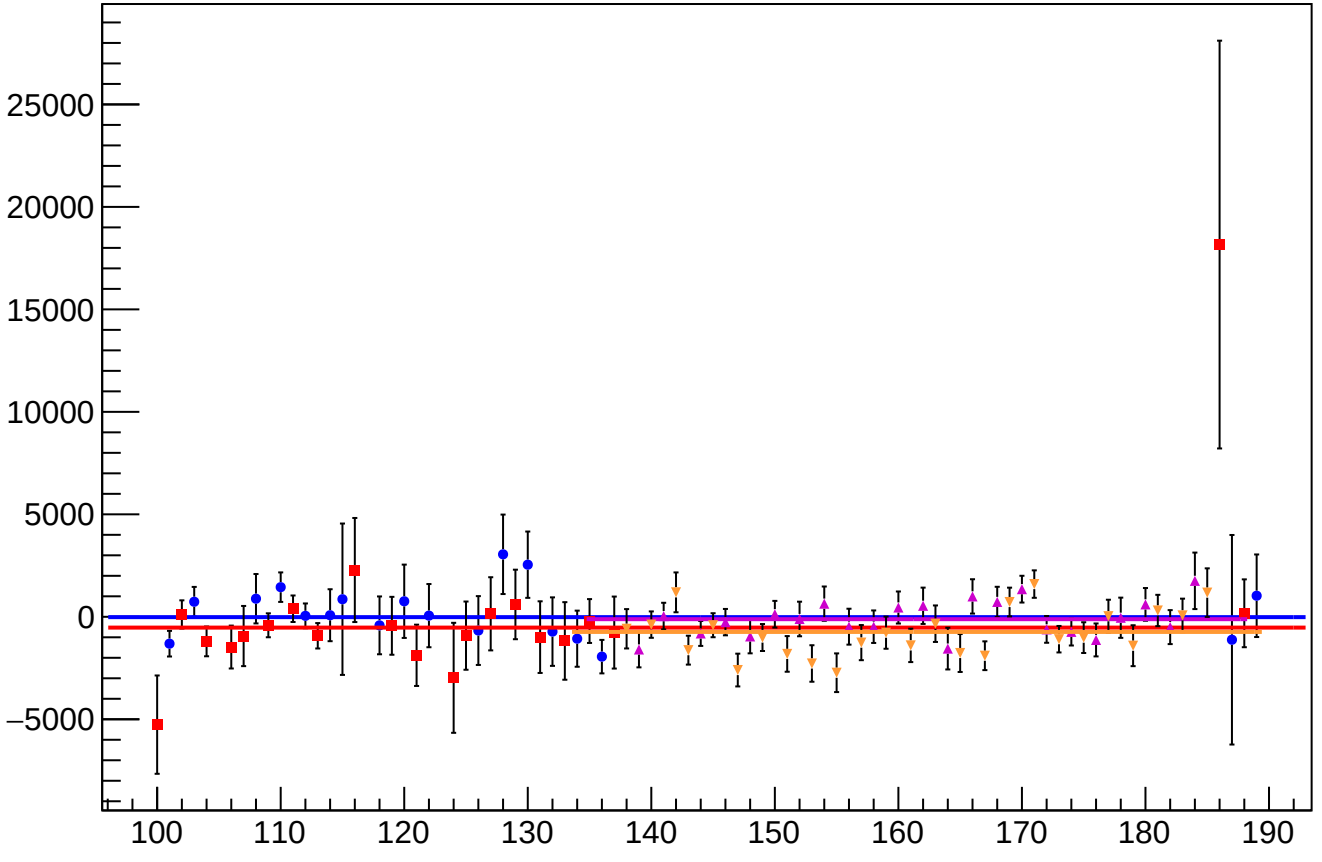
Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 93.830+/-0.013 χ^2/NDF: 2076959.7/42

All: 93.231+/-0.009 χ^2/NDF: 5097533.2/86

- sign 92.631+/-0.013 χ^2/NDF: 3016314.5/43

asym_sam_1548_avg_cor_correction_mean vs Slug



Right In: -16.227+/-254.619 χ^2/NDF: 22.2/17

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

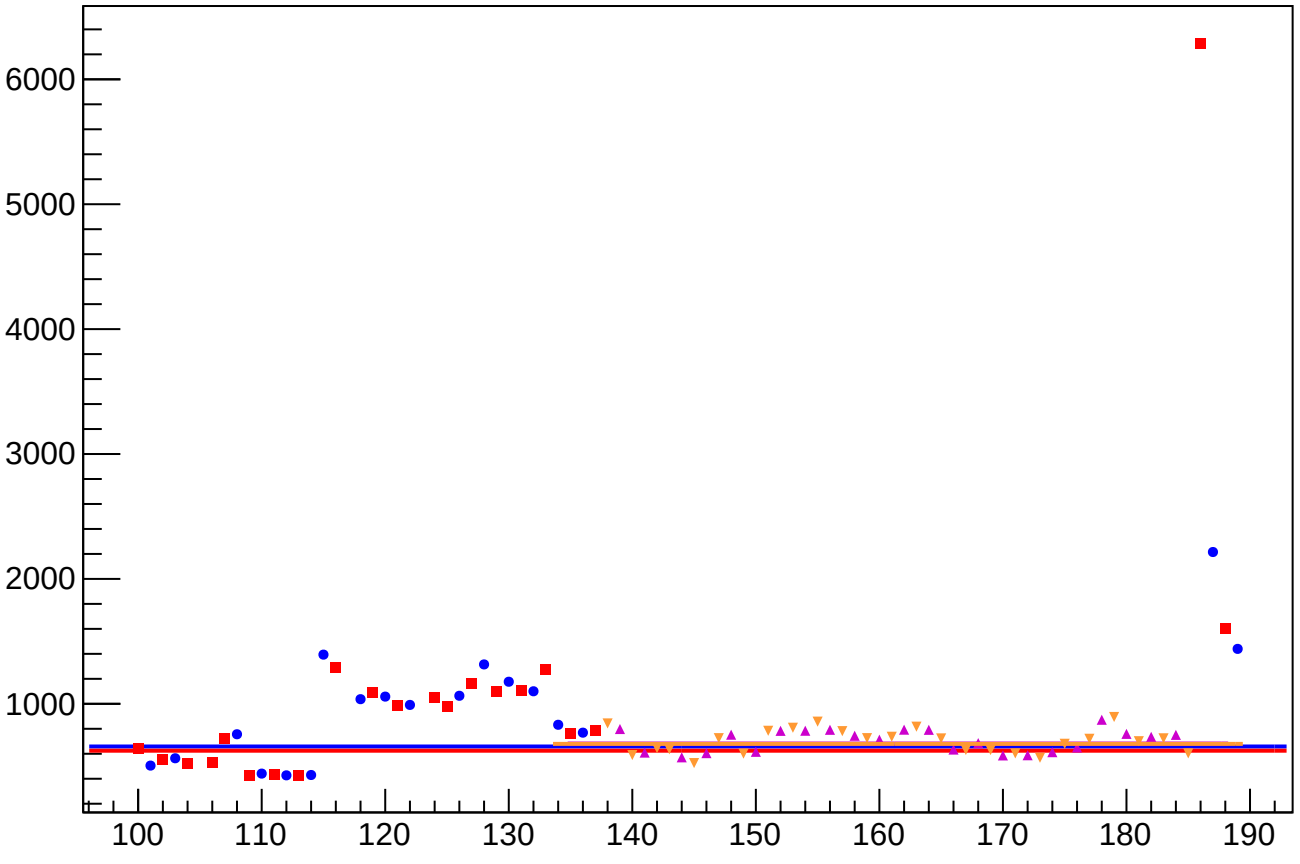
Right Out: -526.688+/-236.132 χ^2/NDF: 16.5/20

Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -540.693+/-133.212 χ^2/NDF: 77.7/42

All: -393.168+/-94.126 χ^2/NDF: 122.5/86

- sign -246.075+/-133.017 χ^2/NDF: 42.3/43



Right In: 658.169+/-0.180 χ^2/NDF: 2370121.4/17

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 624.534+/-0.167 χ^2/NDF: 3440865.2/20

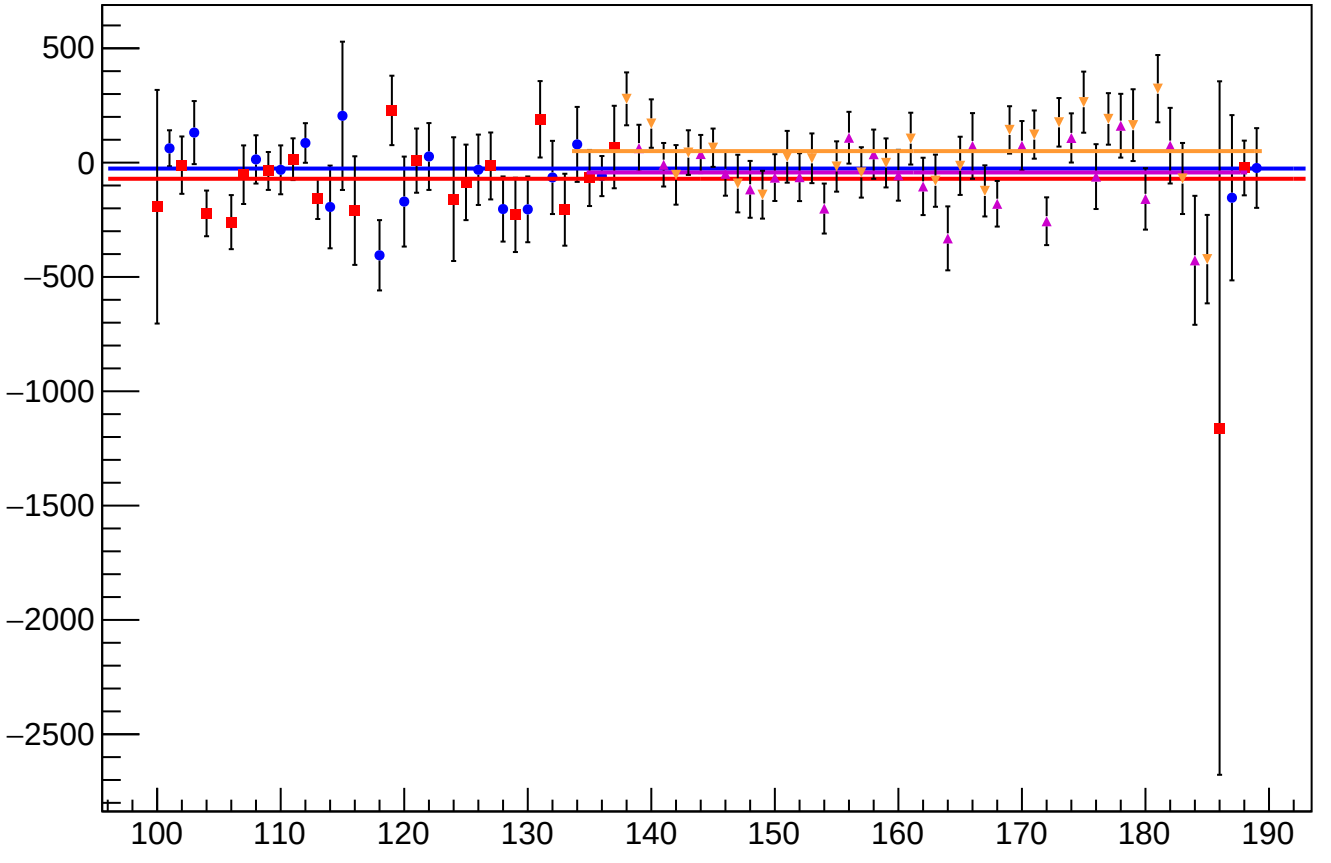
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 673.404+/-0.094 χ^2/NDF: 3117399.4/42

All: 668.541+/-0.067 χ^2/NDF: 7217967.7/86

- sign 663.692+/-0.094 χ^2/NDF: 4095244.2/43

eigen_cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.951+/-30.630 χ^2/NDF: 16.3/17

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: -70.660+/-29.036 χ^2/NDF: 17.4/20

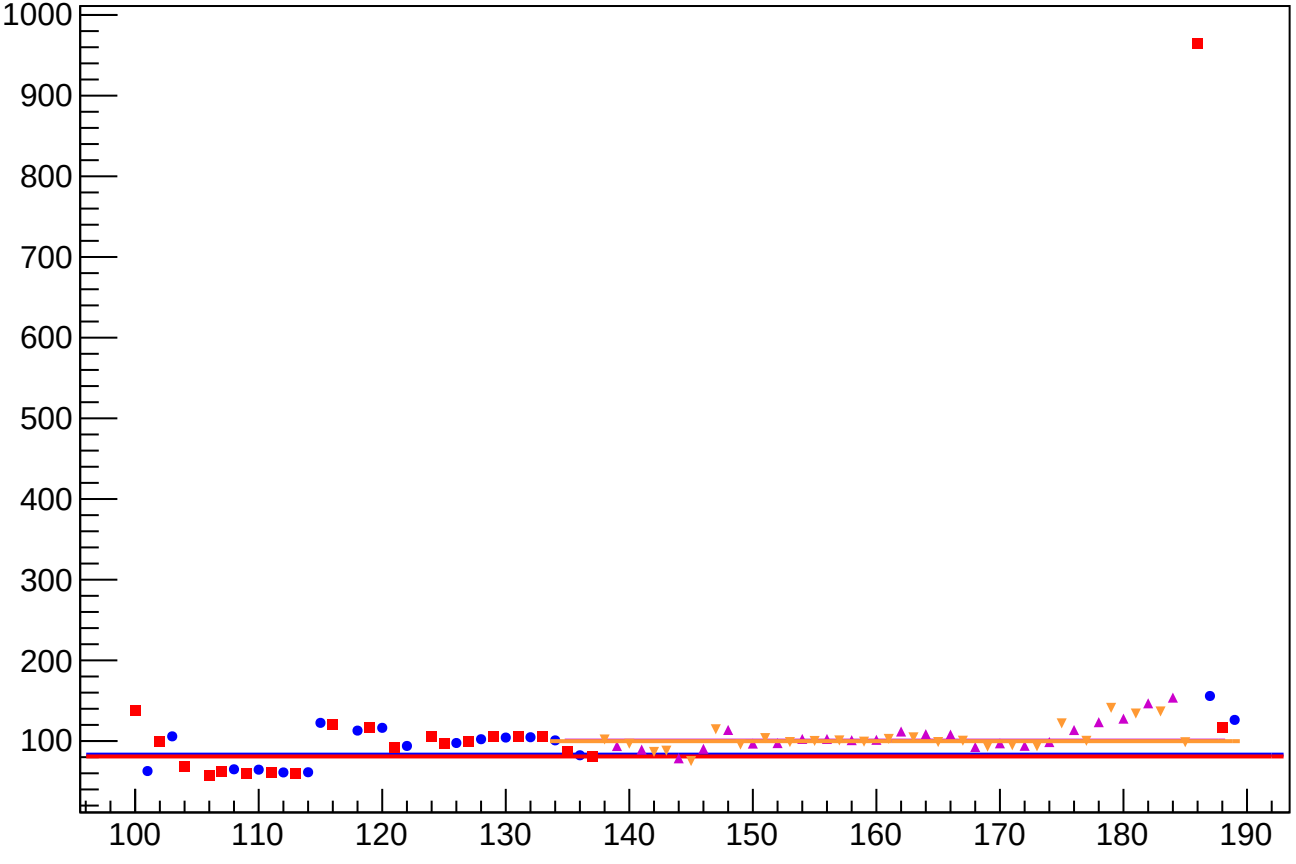
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 22.886+/-18.370 χ^2/NDF: 53.7/42

All: -15.575+/-12.996 χ^2/NDF: 107.1/86

- sign -54.108+/-18.387 χ^2/NDF: 44.6/43

eigen_cor_asym_sam_1548_avg_rms vs Slug



Right In: 83.135+/-0.022 χ^2/NDF: 998343.6/17

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

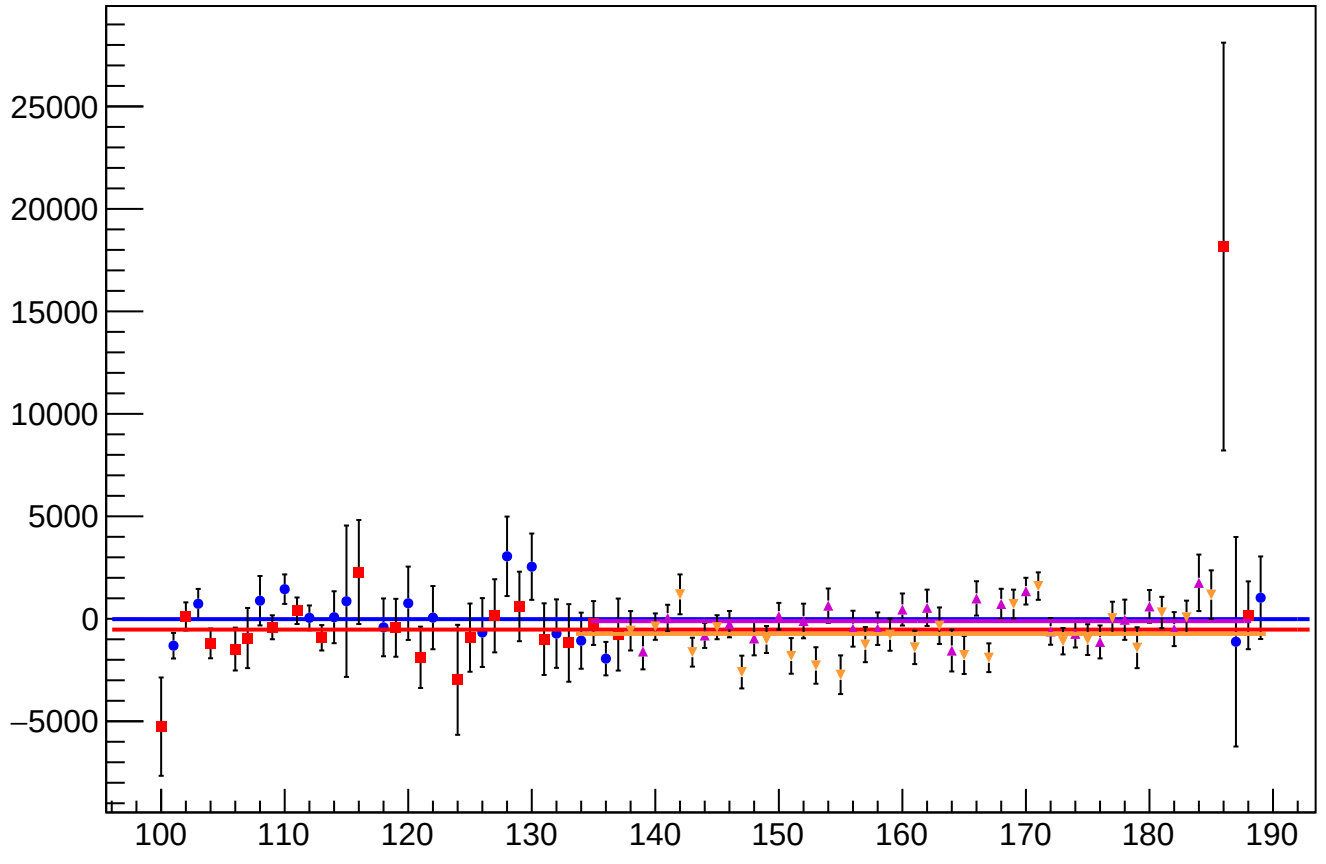
Right Out: 80.881+/-0.021 χ^2/NDF: 1812648.0/20

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 93.830+/-0.013 χ^2/NDF: 2076959.7/42

All: 93.231+/-0.009 χ^2/NDF: 5097533.2/86

- sign 92.631+/-0.013 χ^2/NDF: 3016314.5/43



Right In: -16.227+/-254.619 χ^2/NDF: 22.2/17

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

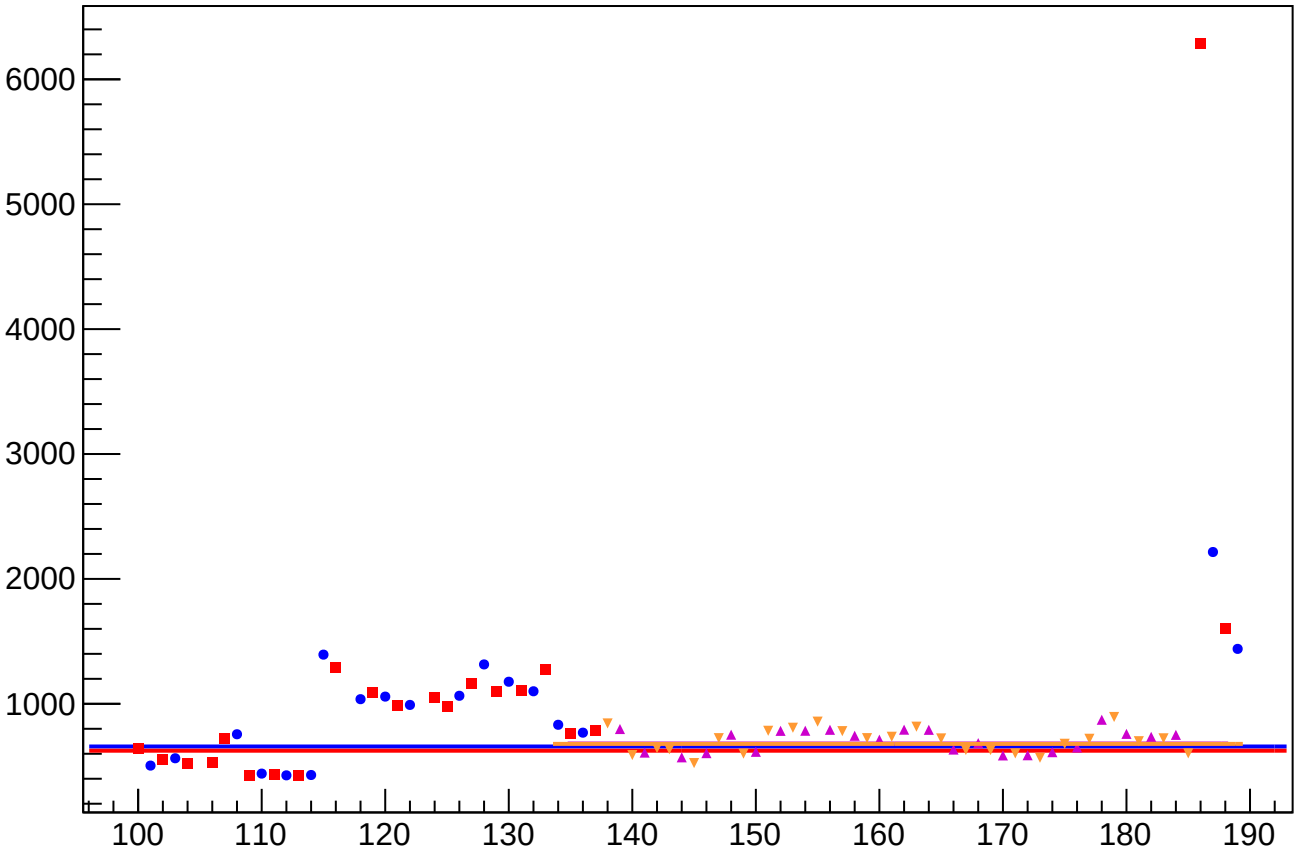
Right Out: -526.688+/-236.132 χ^2/NDF: 16.5/20

Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -540.693+/-133.212 χ^2/NDF: 77.7/42

All: -393.168+/-94.126 χ^2/NDF: 122.5/86

- sign -246.075+/-133.017 χ^2/NDF: 42.3/43



Right In: 658.169+/-0.180 χ^2/NDF: 2370121.4/17

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 624.534+/-0.167 χ^2/NDF: 3440865.2/20

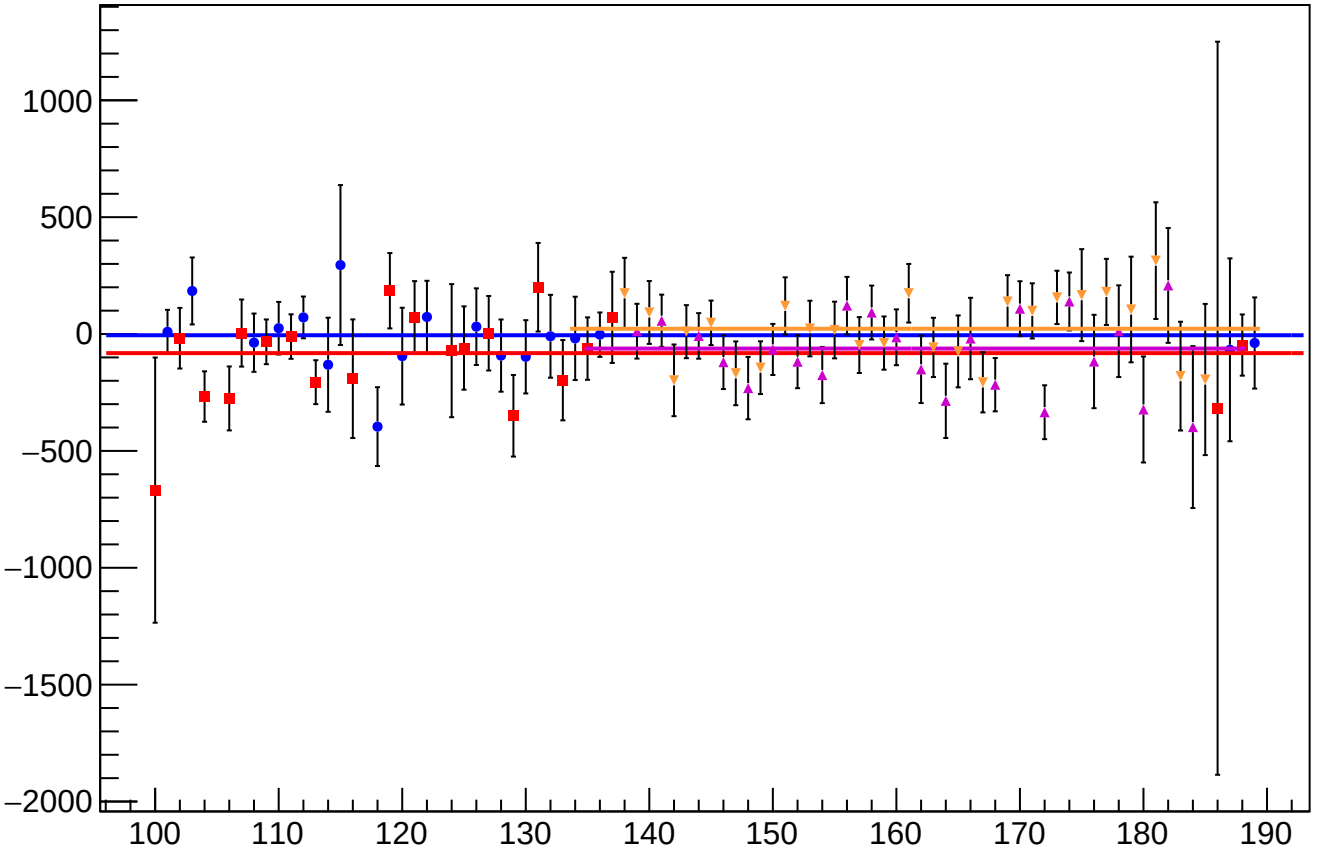
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 673.404+/-0.094 χ^2/NDF: 3117399.4/42

All: 668.541+/-0.067 χ^2/NDF: 7217967.7/86

- sign 663.692+/-0.094 χ^2/NDF: 4095244.2/43

dit_asym_sam_1548_avg_mean vs Slug



Right In: -5.129+/-33.517 χ^2/NDF: 10.4/17

Left Out: 22.542+/-26.643 χ^2/NDF:21.6/24

Right Out: -81.631+/-31.657 χ^2/NDF: 19.2/20

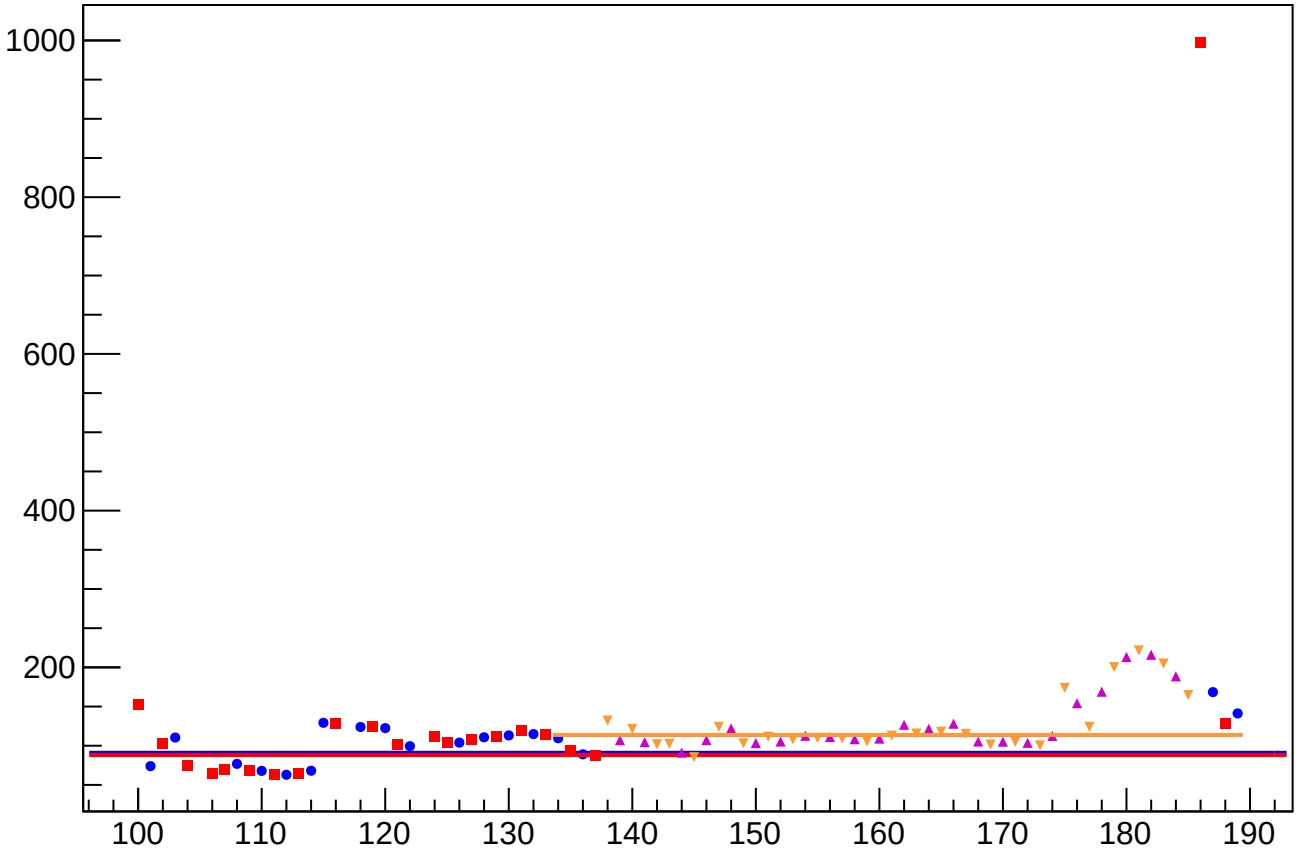
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign 11.827+/-20.856 χ^2/NDF: 32.4/42

All: -29.655+/-14.689 χ^2/NDF: 87.0/86

- sign -70.483+/-20.691 χ^2/NDF: 46.7/43

dit_asym_sam_1548_avg_rms vs Slug



Right In: 90.945+/-0.024 χ^2/NDF: 943703.2/17

Left Out: 113.766+/-0.019 χ^2/NDF:1579920.3/24

Right Out: 88.091+/-0.022 χ^2/NDF: 1756553.8/20

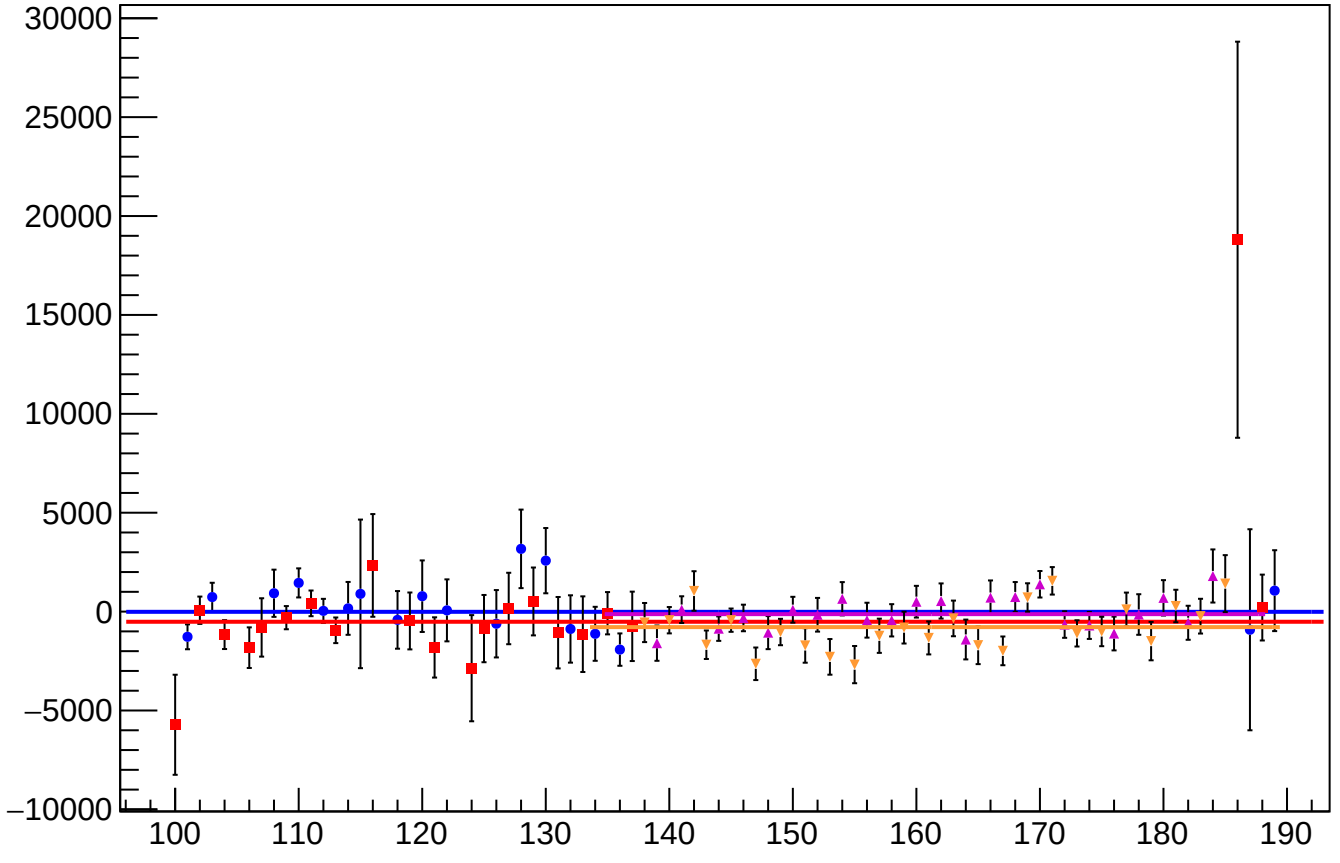
Left In: 113.677+/-0.019 χ^2/NDF:1316044.6/22

+ sign 104.929+/-0.015 χ^2/NDF: 3091789.4/42

All: 103.829+/-0.010 χ^2/NDF: 6923760.1/86

- sign 102.747+/-0.015 χ^2/NDF: 3820929.5/43

asym_sam_1548_avg_dit_correction_mean vs Slug



Right In: -10.922+/-257.010 χ^2/NDF: 21.9/17

Left Out: -784.286+/-160.482 χ^2/NDF:45.4/24

Right Out: -513.343+/-238.677 χ^2/NDF: 17.6/20

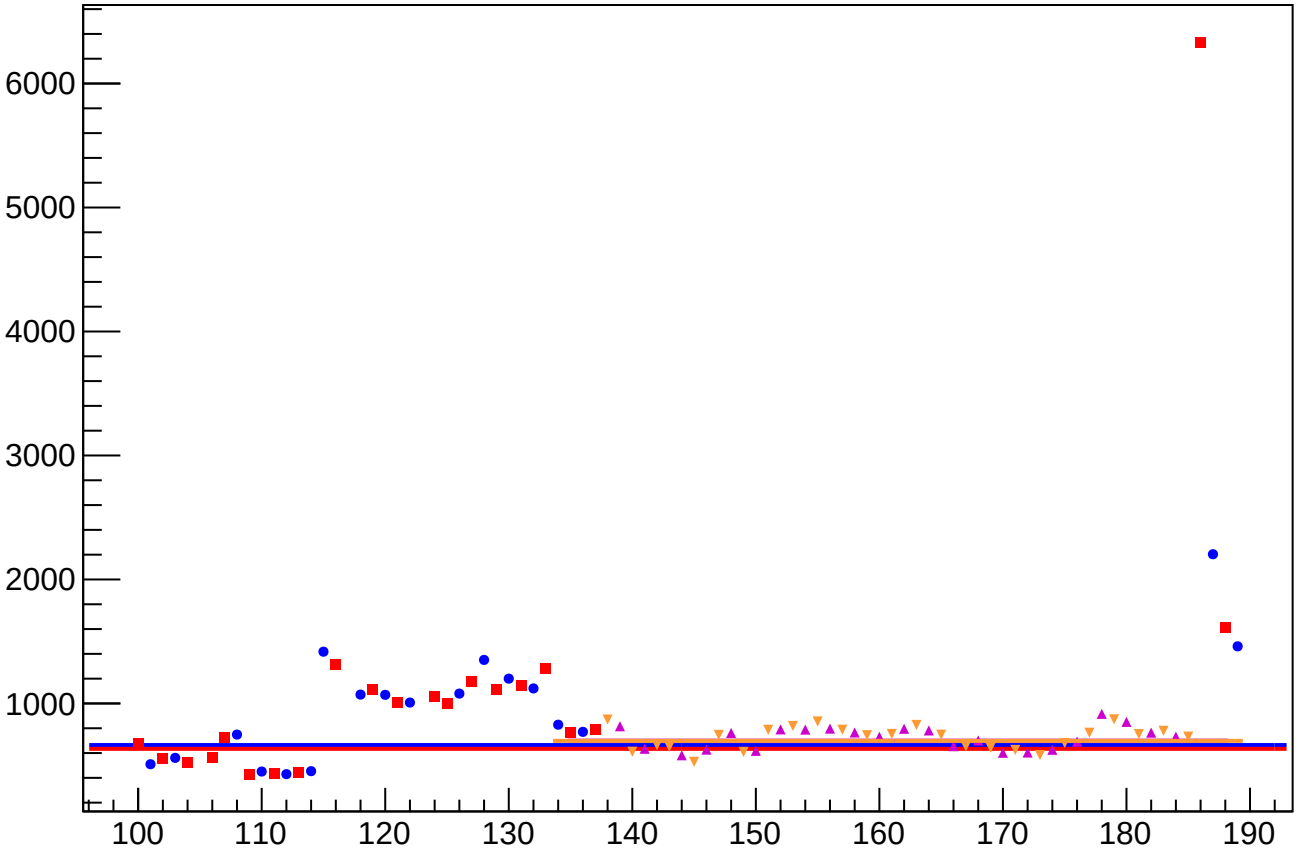
Left In: -128.155+/-165.255 χ^2/NDF:22.7/22

+ sign -567.340+/-136.124 χ^2/NDF: 73.8/42

All: -409.860+/-96.163 χ^2/NDF: 118.5/86

- sign -252.973+/-135.867 χ^2/NDF: 42.0/43

asym_sam_1548_avg_dit_correction_rms vs Slug



Right In: 664.461+/-0.182 χ^2/NDF: 2382808.9/17

Left Out: 698.237+/-0.113 χ^2/NDF:714686.8/24

Right Out: 633.909+/-0.169 χ^2/NDF: 3431786.0/20

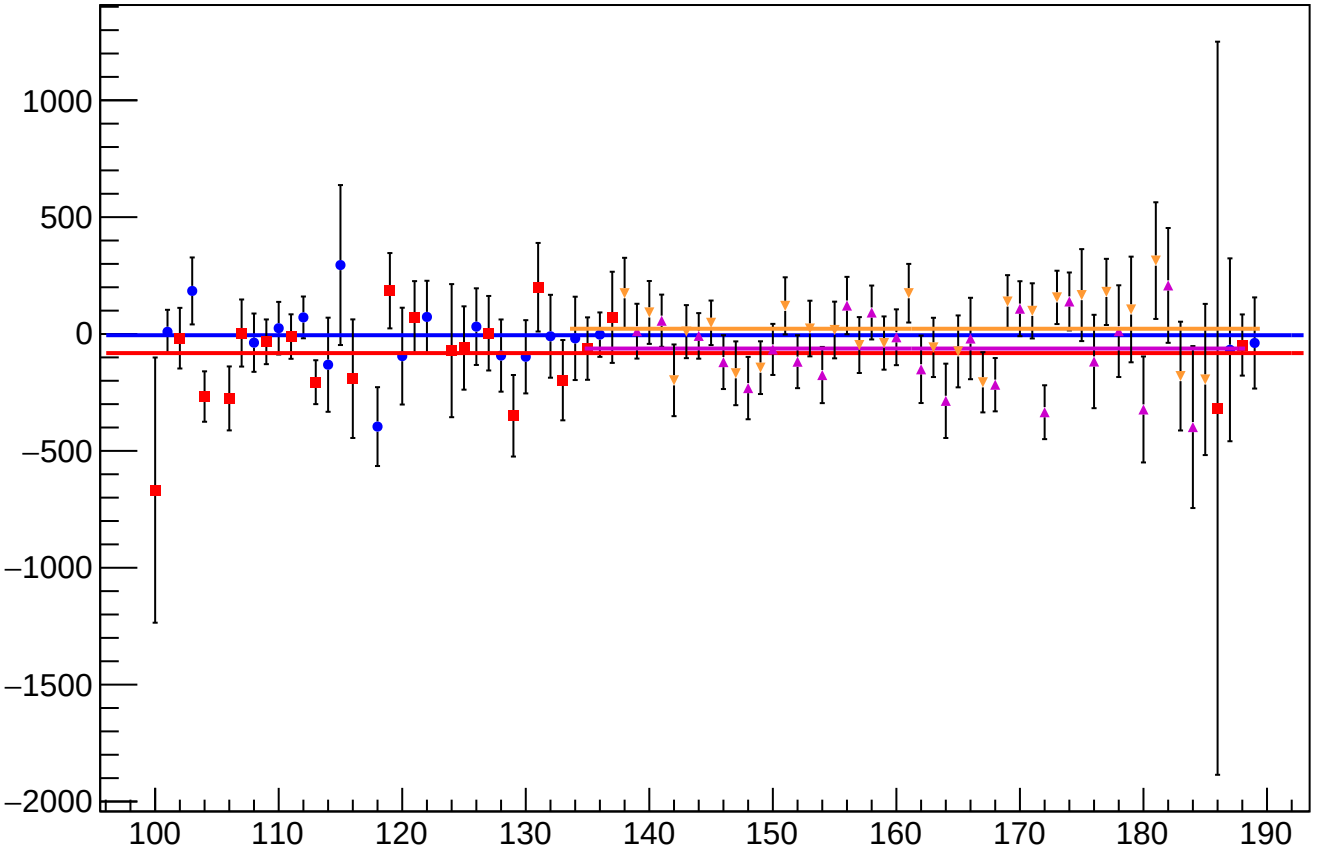
Left In: 700.079+/-0.117 χ^2/NDF:584318.7/22

+ sign 688.762+/-0.096 χ^2/NDF: 3122348.3/42

All: 683.690+/-0.068 χ^2/NDF: 7247903.6/86

- sign 678.637+/-0.096 χ^2/NDF: 4120012.5/43

eigen_dit_asym_sam_1548_avg_mean vs Slug



Right In: -5.128+/-33.517 χ^2/NDF: 10.4/17

Left Out: 22.544+/-26.643 χ^2/NDF:21.6/24

Right Out: -81.631+/-31.657 χ^2/NDF: 19.2/20

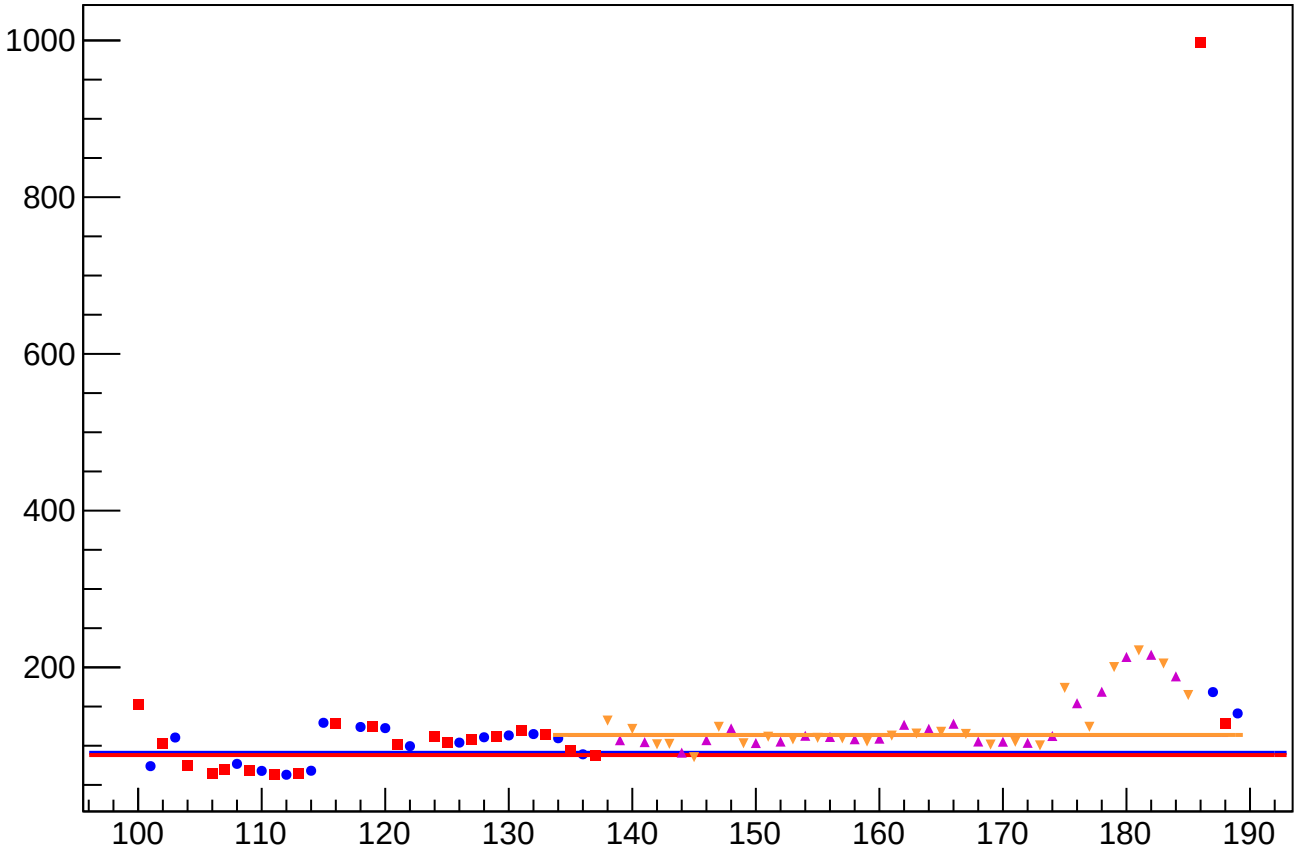
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign 11.829+/-20.856 χ^2/NDF: 32.4/42

All: -29.655+/-14.689 χ^2/NDF: 87.0/86

- sign -70.483+/-20.691 χ^2/NDF: 46.7/43

eigen_dit_asym_sam_1548_avg_rms vs Slug



Right In: 90.945+/-0.024 χ^2/NDF: 943702.3/17

Left Out: 113.766+/-0.019 χ^2/NDF:1579910.8/24

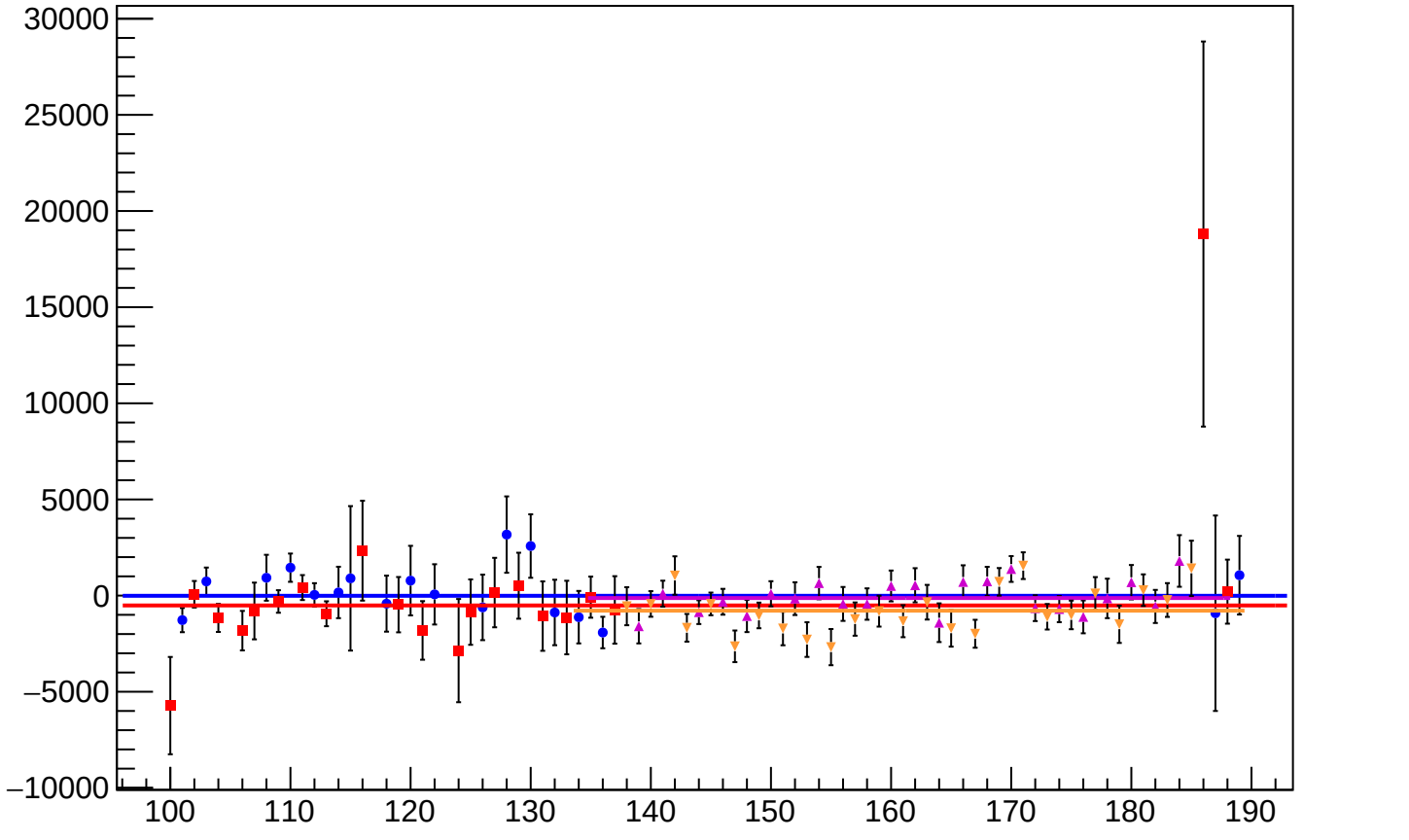
Right Out: 88.091+/-0.022 χ^2/NDF: 1756555.6/20

Left In: 113.677+/-0.019 χ^2/NDF:1316023.5/22

+ sign 104.930+/-0.015 χ^2/NDF: 3091785.9/42

All: 103.829+/-0.010 χ^2/NDF: 6923747.8/86

- sign 102.747+/-0.015 χ^2/NDF: 3820920.9/43



Right In: -10.921+/-257.010 χ^2/NDF: 21.9/17

Left Out: -784.284+/-160.482 χ^2/NDF:45.4/24

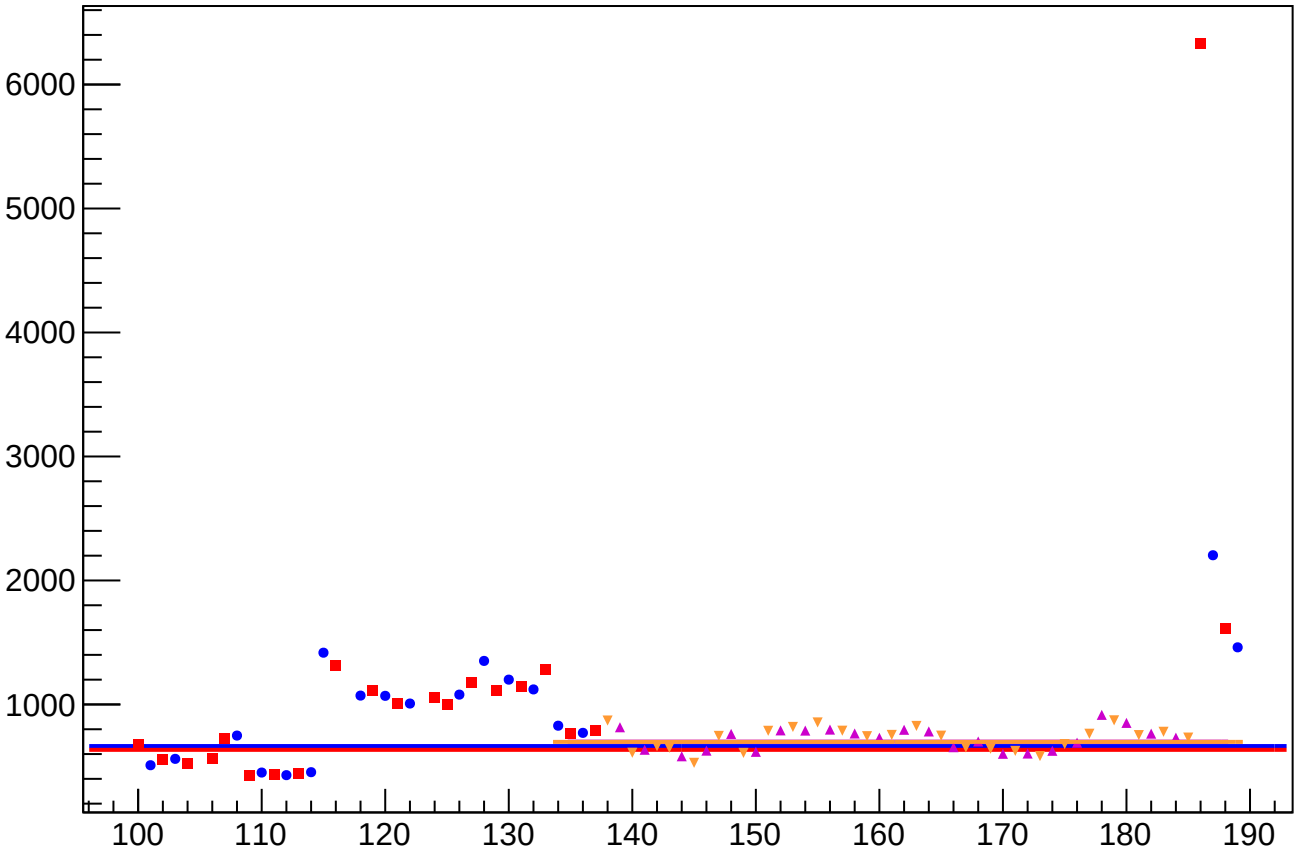
Right Out: -513.342+/-238.677 χ^2/NDF: 17.6/20

Left In: -128.154+/-165.255 χ^2/NDF:22.7/22

+ sign -567.339+/-136.124 χ^2/NDF: 73.8/42

All: -409.859+/-96.163 χ^2/NDF: 118.5/86

- sign -252.972+/-135.867 χ^2/NDF: 42.0/43



Right In: 664.460+/-0.182 χ^2/NDF: 2382812.8/17

Left Out: 698.236+/-0.113 χ^2/NDF:714685.1/24

Right Out: 633.909+/-0.169 χ^2/NDF: 3431786.5/20

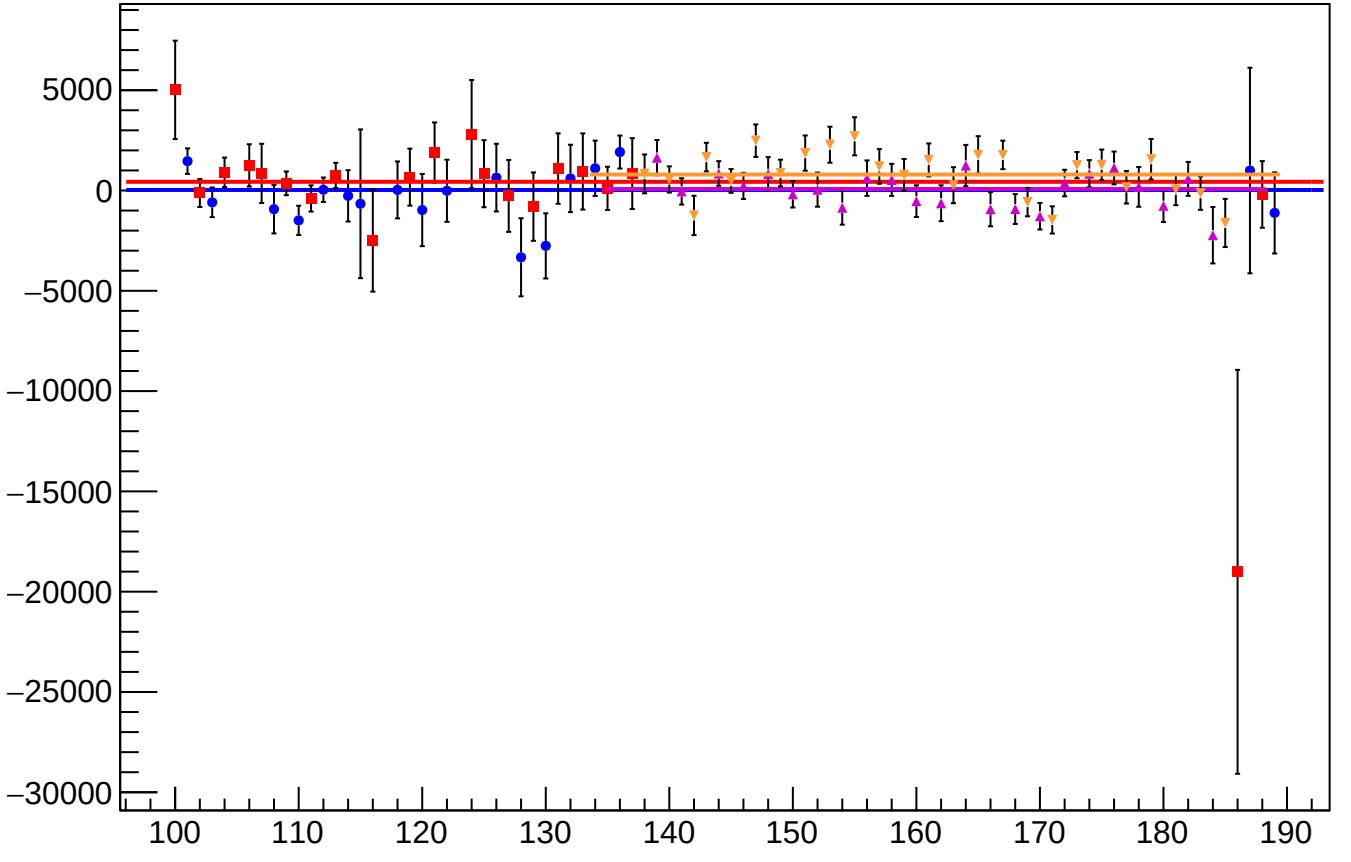
Left In: 700.079+/-0.117 χ^2/NDF:584314.1/22

+ sign 688.761+/-0.096 χ^2/NDF: 3122350.7/42

All: 683.689+/-0.068 χ^2/NDF: 7247902.2/86

- sign 678.636+/-0.096 χ^2/NDF: 4120008.9/43

asym_sam_1548_avg_mean vs Slug



Right In: 26.767+/-257.354 χ^2/NDF: 23.6/17

Left Out: 796.905+/-158.142 χ^2/NDF:46.4/24

Right Out: 433.681+/-238.547 χ^2/NDF: 15.1/20

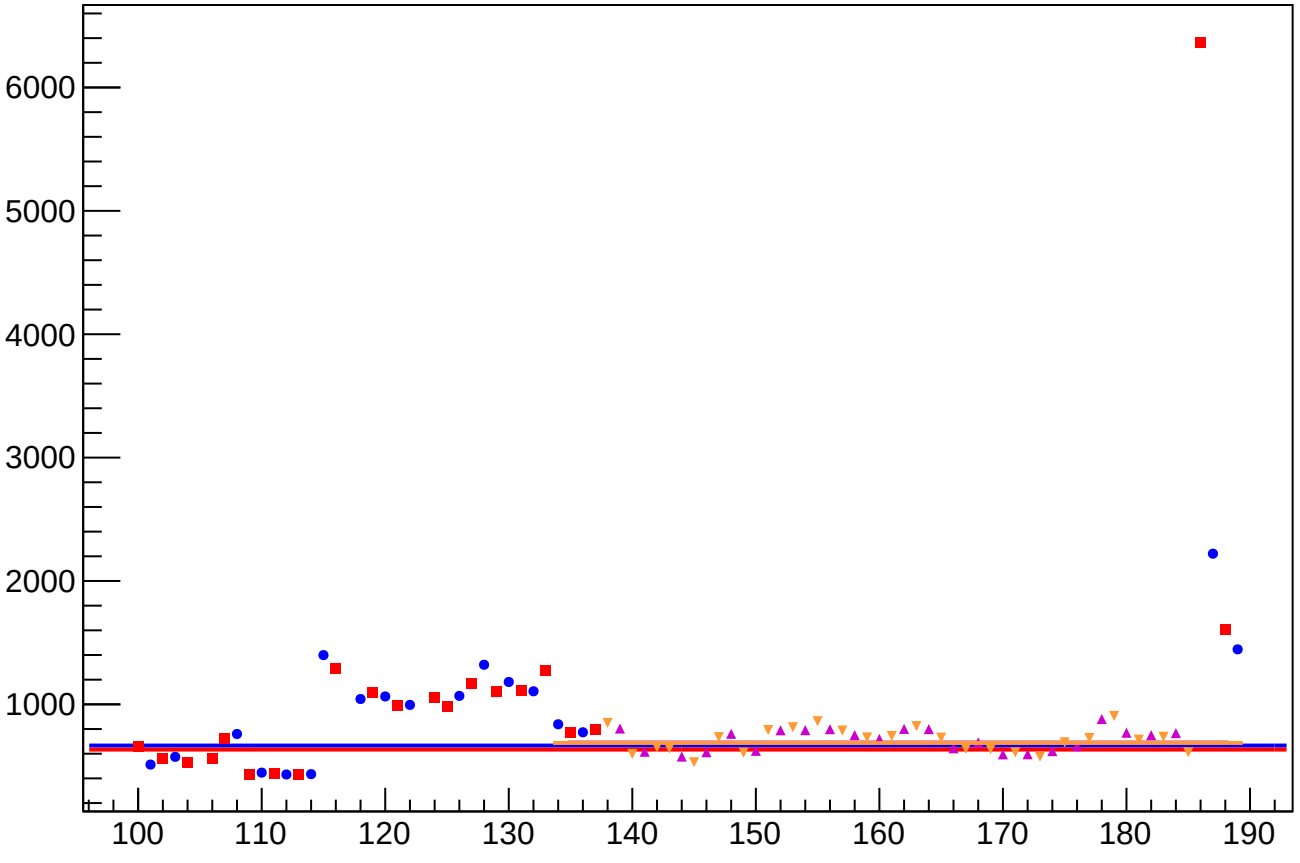
Left In: 73.501+/-162.879 χ^2/NDF:24.9/22

+ sign 585.810+/-134.736 χ^2/NDF: 76.5/42

All: 386.590+/-95.194 χ^2/NDF: 122.4/86

- sign 188.027+/-134.514 χ^2/NDF: 41.6/43

asym_sam_1548_avg_rms vs Slug



Right In: 665.957+/-0.182 χ^2/NDF: 2335833.3/17

Left Out: 687.243+/-0.112 χ^2/NDF:727994.0/24

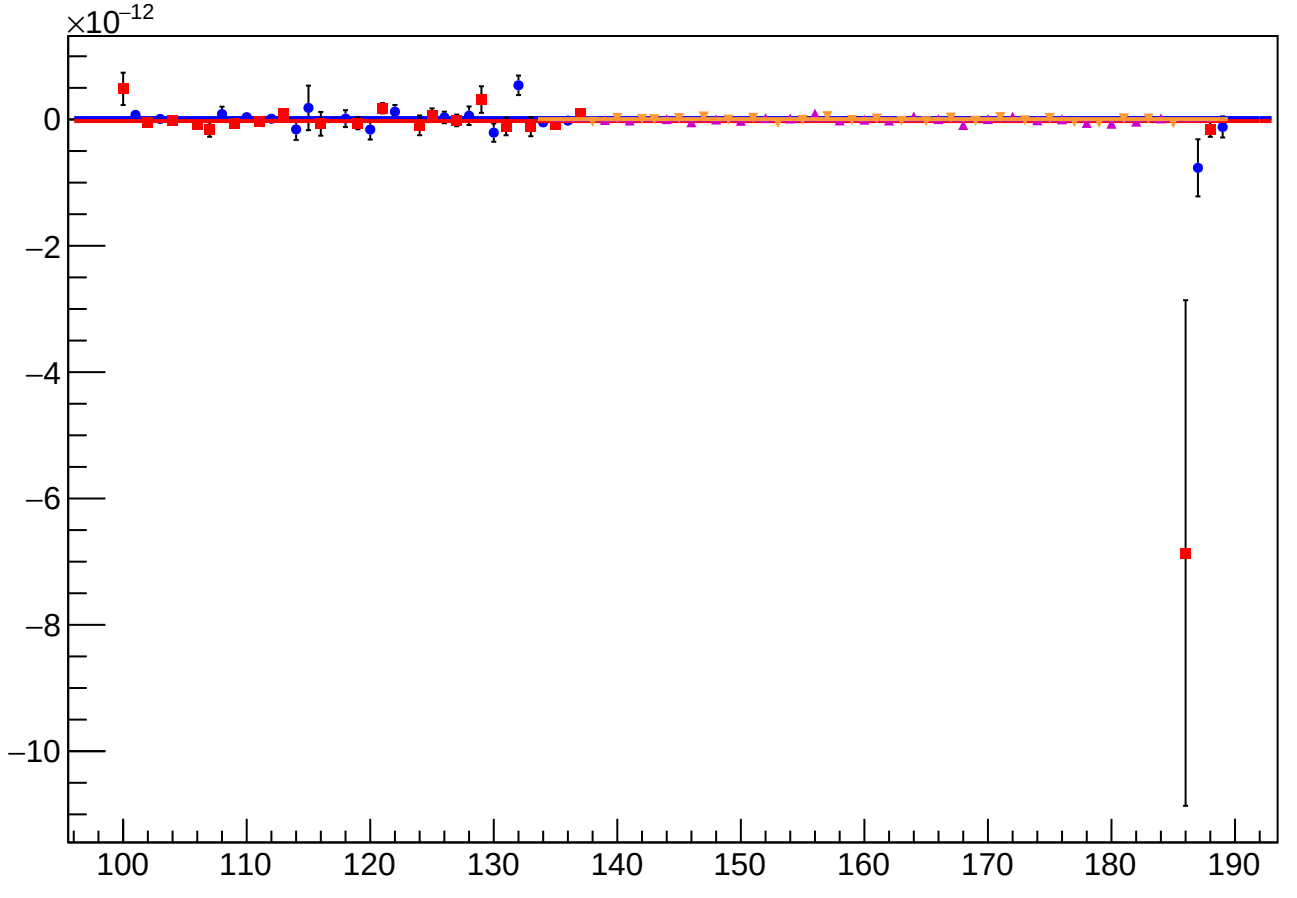
Right Out: 633.325+/-0.169 χ^2/NDF: 3397950.4/20

Left In: 689.997+/-0.115 χ^2/NDF:567089.0/22

+ sign 681.408+/-0.095 χ^2/NDF: 3073759.4/42

All: 676.685+/-0.067 χ^2/NDF: 7120695.1/86

- sign 671.977+/-0.095 χ^2/NDF: 4042027.6/43



Right In: 0.000+/-0.000 χ^2/NDF: 27.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:22.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.9/20

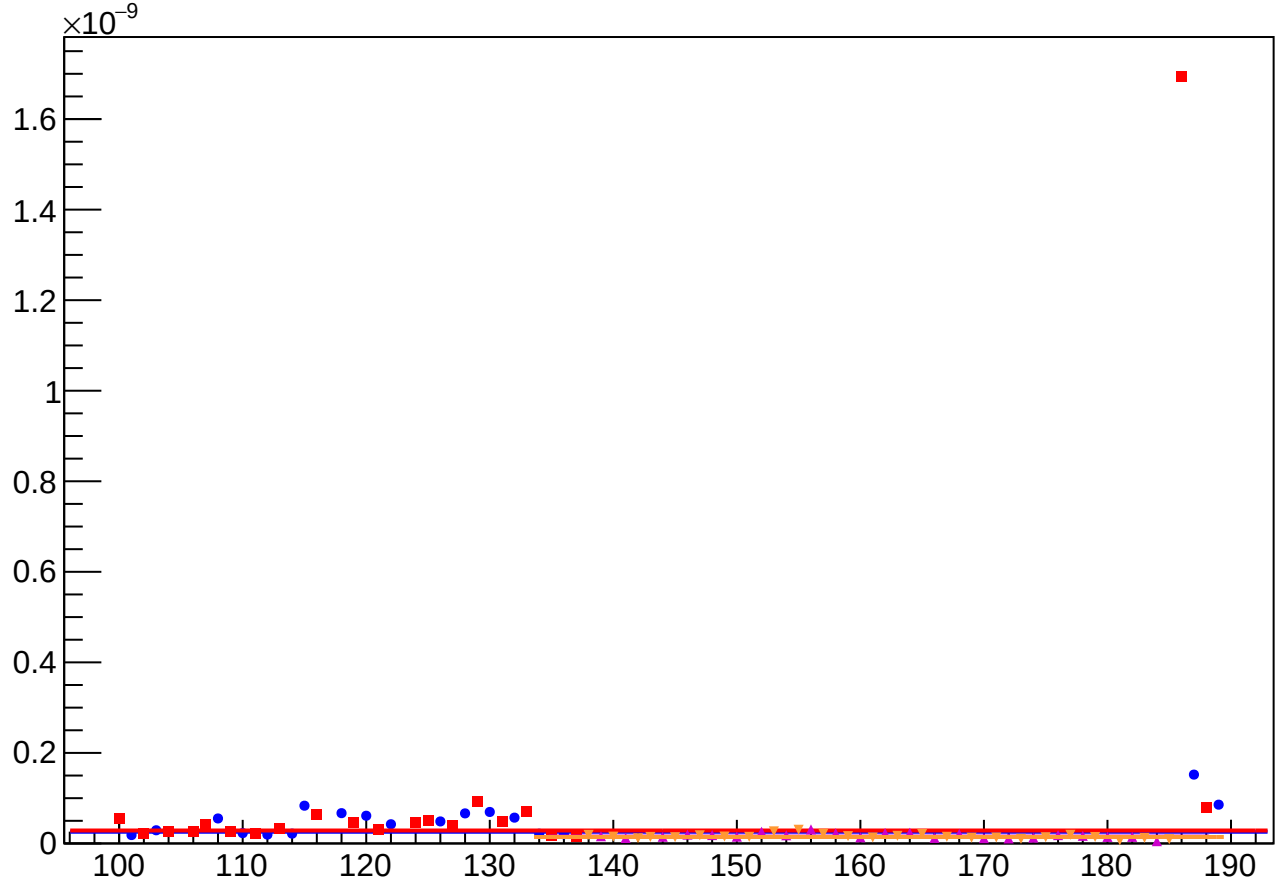
Left In: -0.000+/-0.000 χ^2/NDF:26.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 50.5/42

All: 0.000+/-0.000 χ^2/NDF: 111.9/86

- sign -0.000+/-0.000 χ^2/NDF: 57.6/43

asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1728769.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:992947.6/24

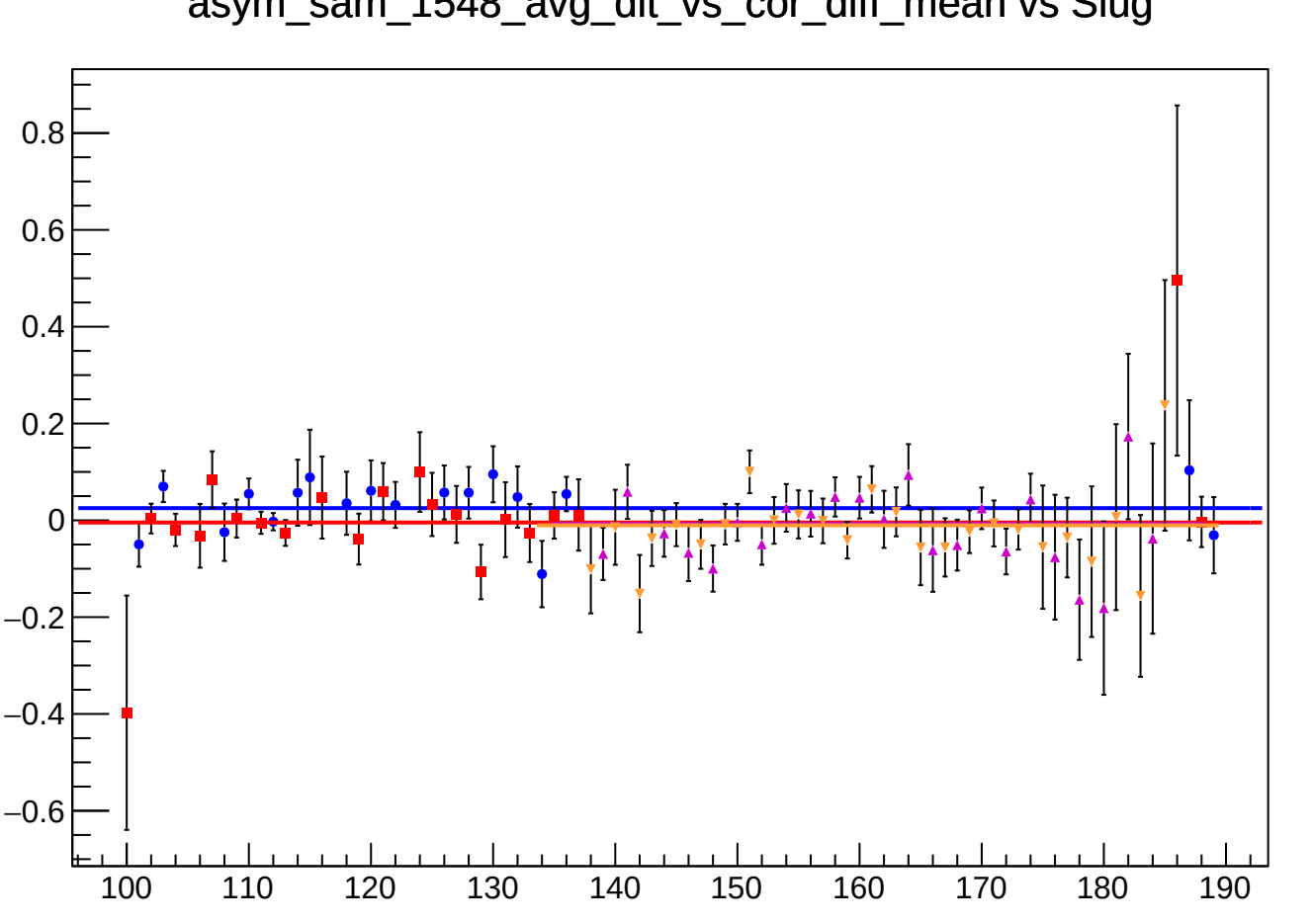
Right Out: 0.000+/-0.000 χ^2/NDF: 1722771.7/20

Left In: 0.000+/-0.000 χ^2/NDF:1107168.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 3747097.2/42

All: 0.000+/-0.000 χ^2/NDF: 7830843.8/86

- sign 0.000+/-0.000 χ^2/NDF: 4039488.0/43



Right In: 0.025+/-0.010 χ^2/NDF: 17.3/17

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: -0.005+/-0.010 χ^2/NDF: 15.5/20

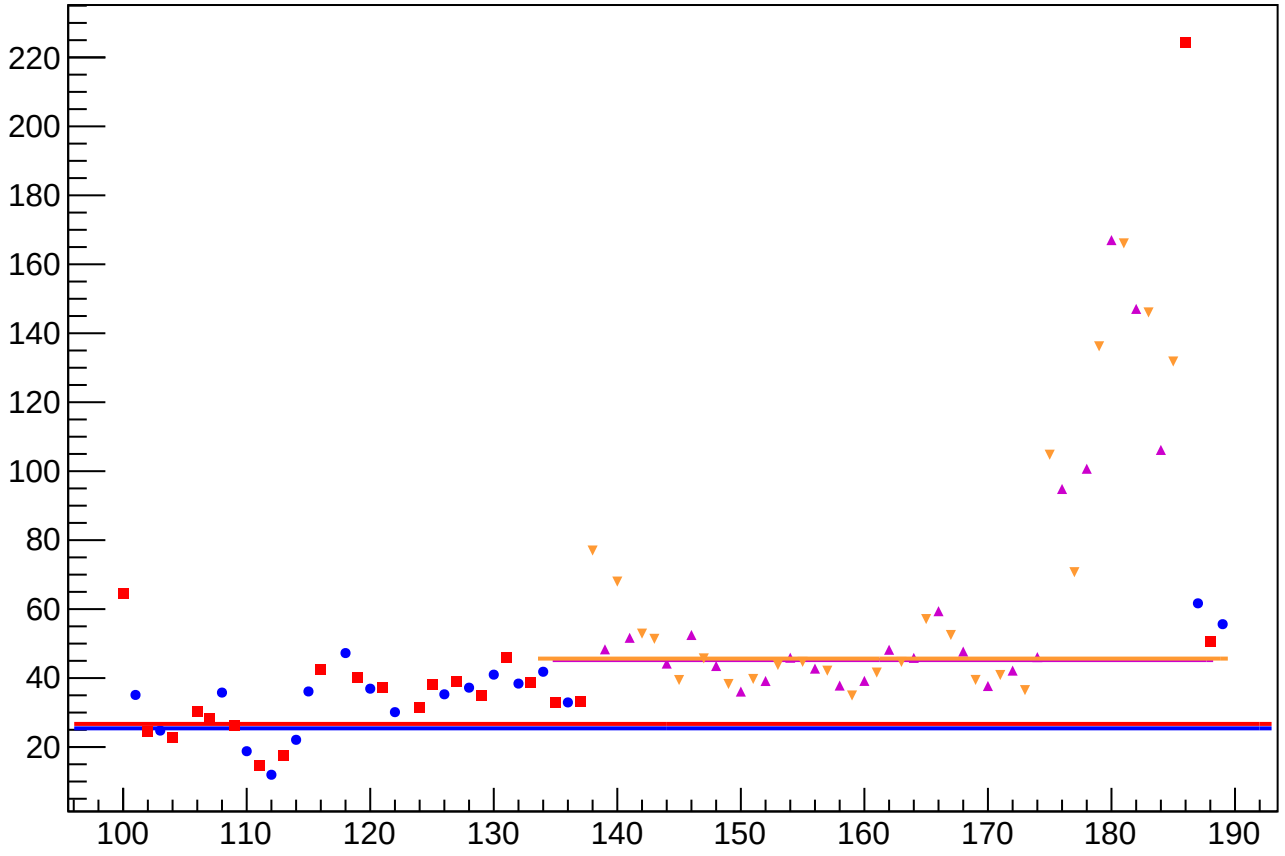
Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.009+/-0.008 χ^2/NDF: 40.8/42

All: 0.002+/-0.005 χ^2/NDF: 81.6/86

- sign -0.006+/-0.008 χ^2/NDF: 38.9/43

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug



Right In: 25.420+/-0.007 χ^2/NDF: 2724335.9/17

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

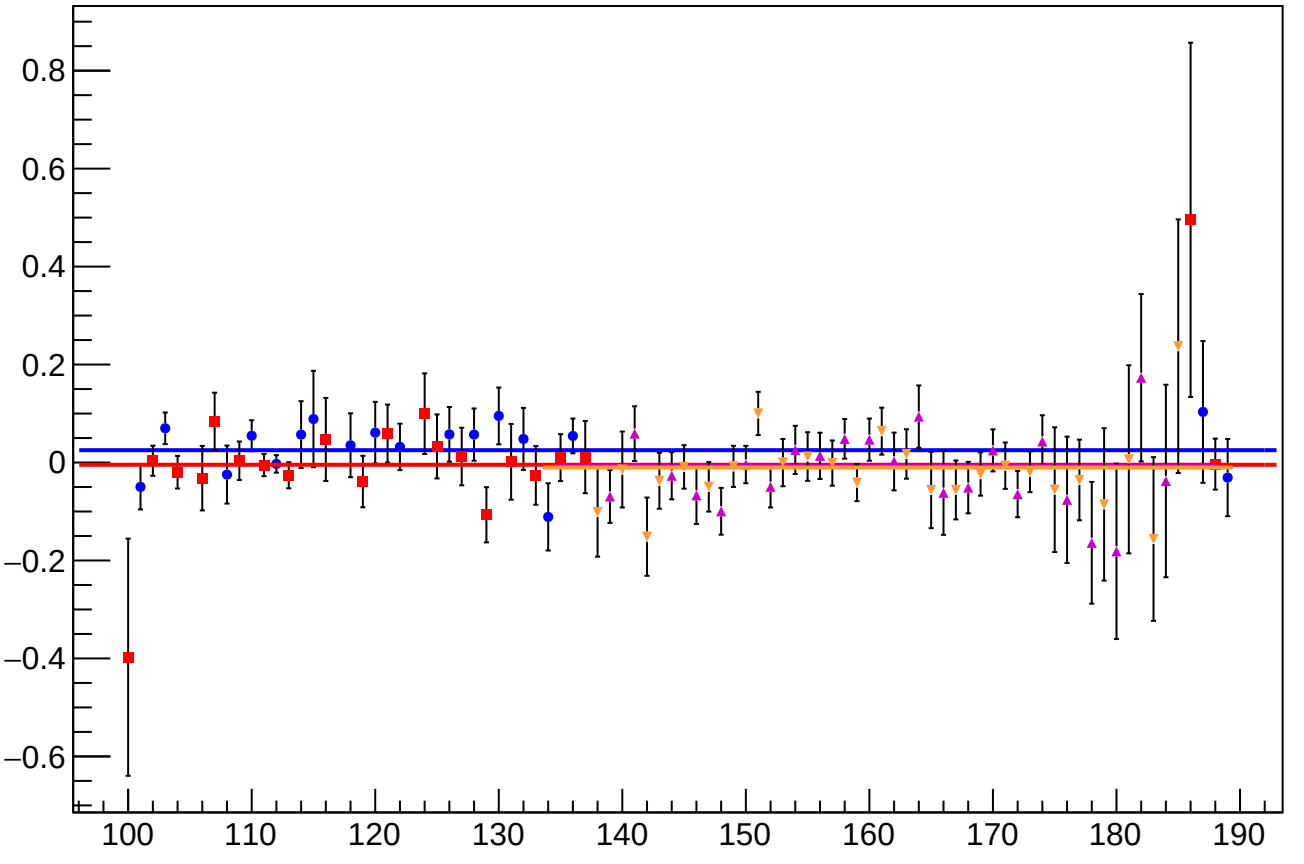
Right Out: 26.706+/-0.007 χ^2/NDF: 2649108.7/20

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

\+ sign 34.567+/-0.005 χ^2/NDF: 10266974.2/42

All: 34.721+/-0.004 χ^2/NDF: 18848301.3/86

\- sign 34.875+/-0.005 χ^2/NDF: 8579678.6/43



Right In: 0.025+/-0.010 χ^2/NDF: 17.3/17

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

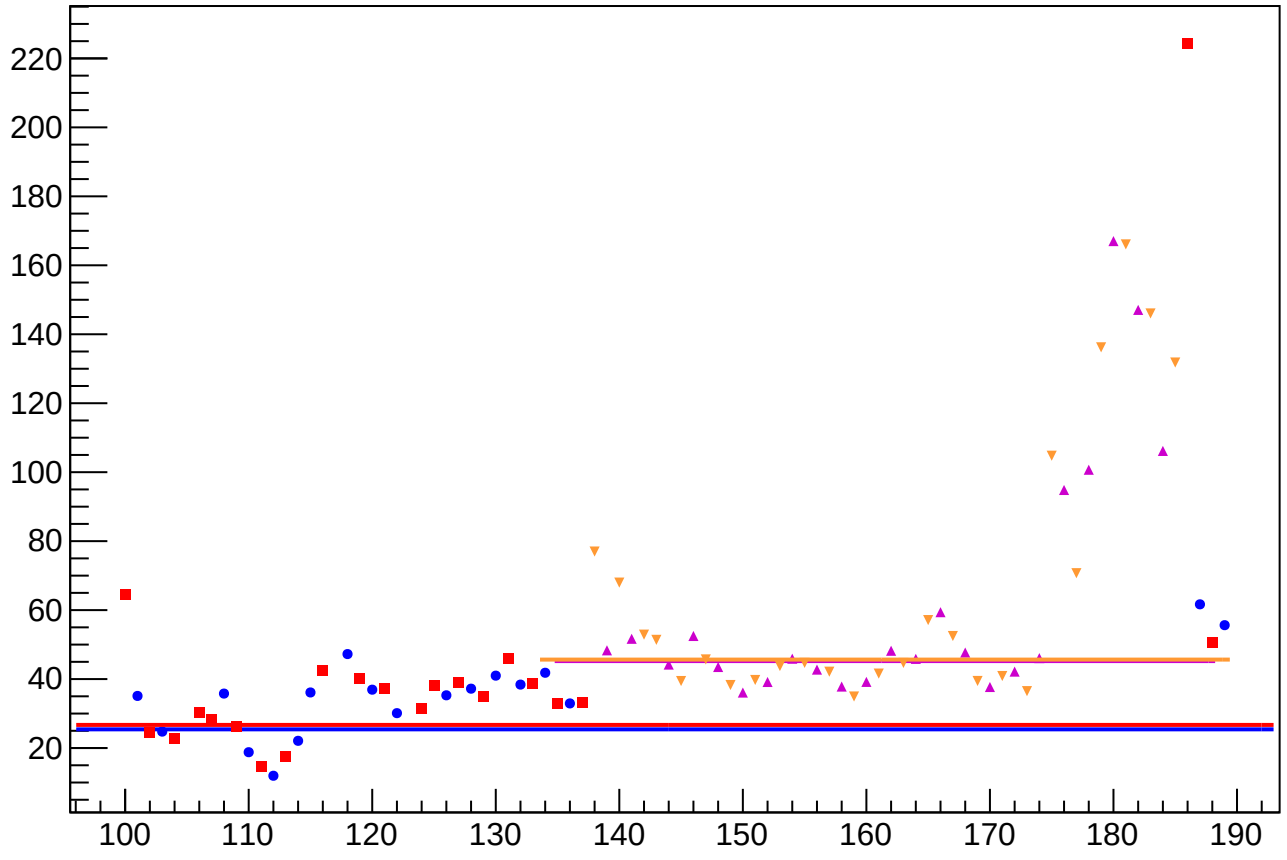
Right Out: -0.005+/-0.010 χ^2/NDF: 15.5/20

Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.009+/-0.008 χ^2/NDF: 40.8/42

All: 0.002+/-0.005 χ^2/NDF: 81.6/86

- sign -0.006+/-0.008 χ^2/NDF: 38.9/43



Right In: 25.420+/-0.007 χ^2/NDF: 2724335.9/17

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

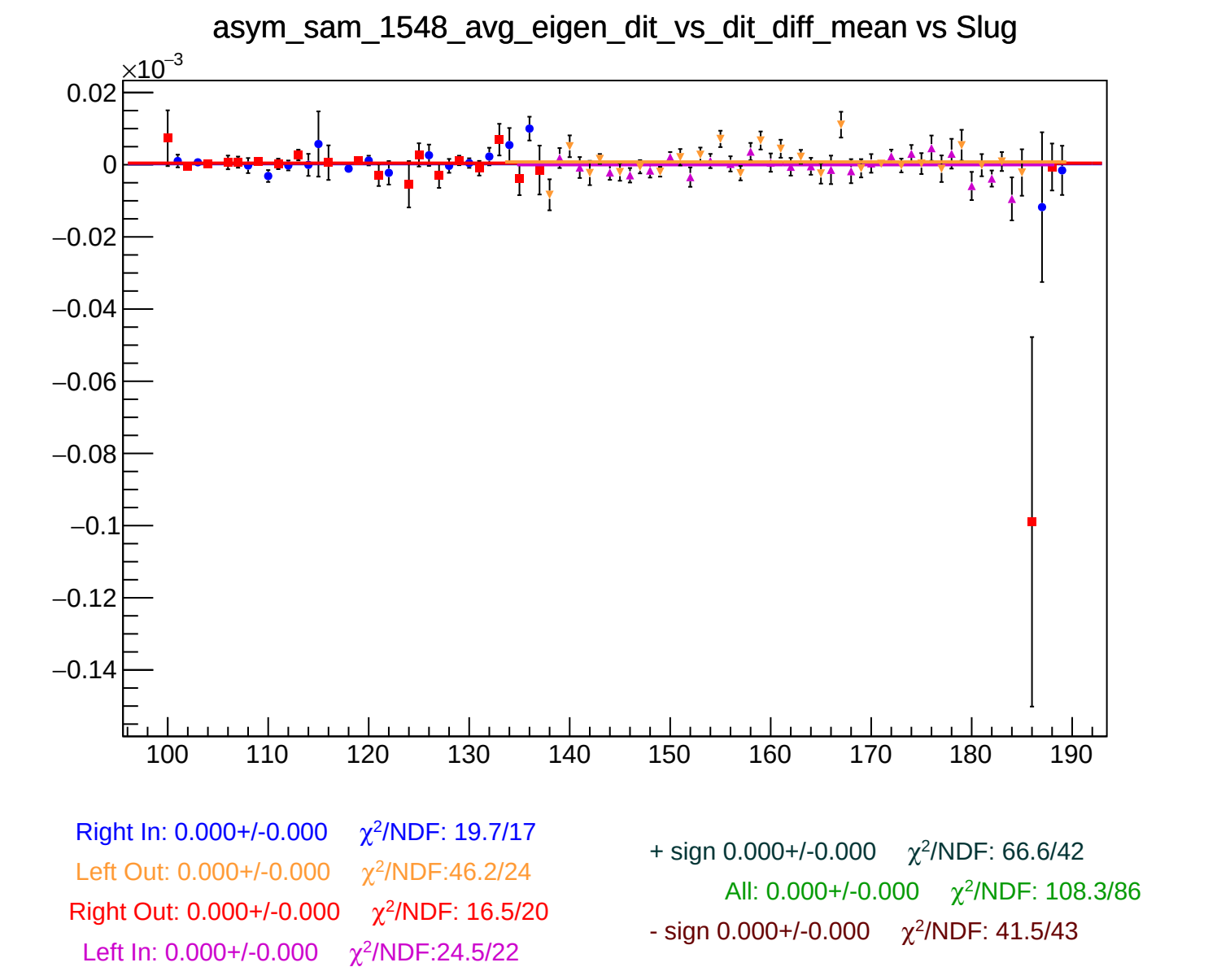
Right Out: 26.706+/-0.007 χ^2/NDF: 2649108.7/20

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

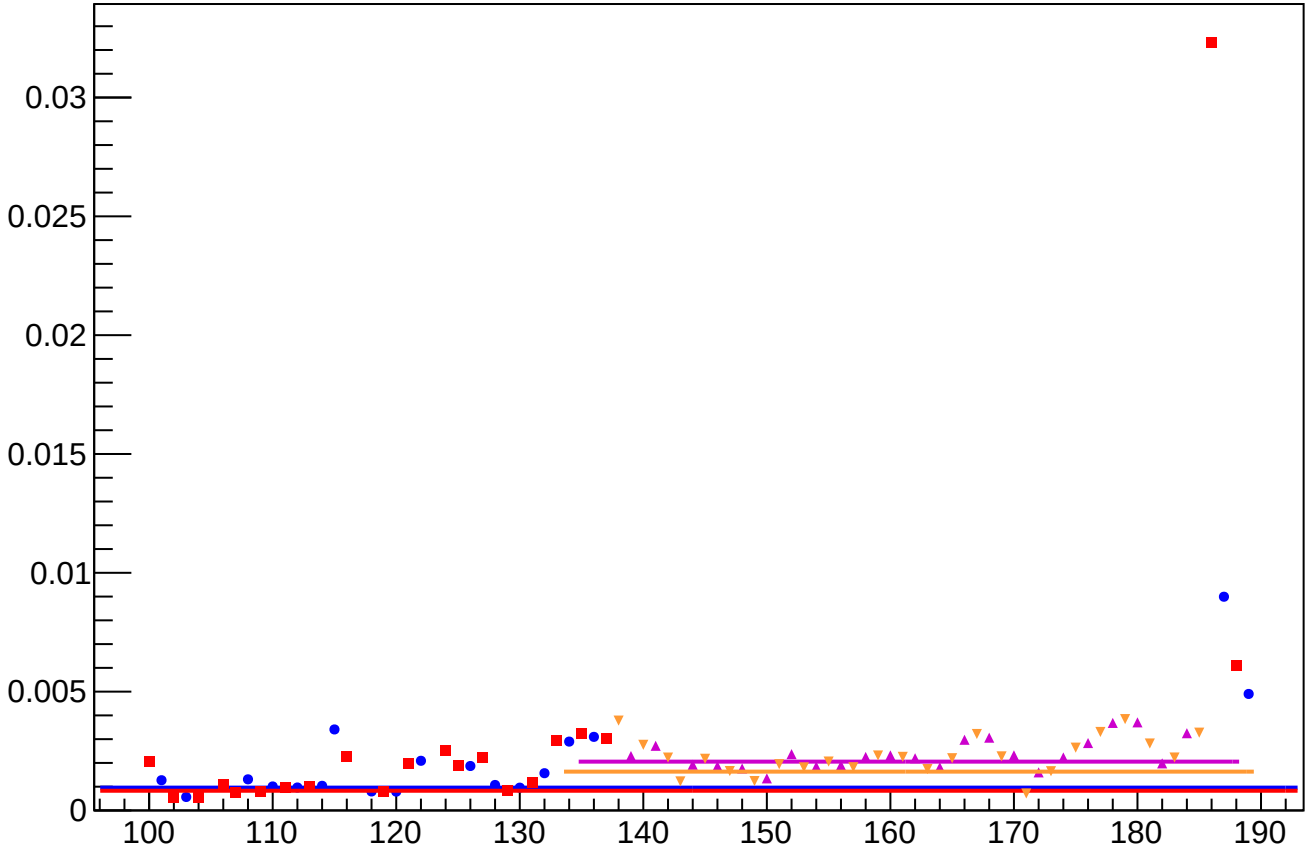
\+ sign 34.567+/-0.005 χ^2/NDF: 10266974.2/42

All: 34.721+/-0.004 χ^2/NDF: 18848301.3/86

\- sign 34.875+/-0.005 χ^2/NDF: 8579678.6/43


asym_sam_1548_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 19.7/17
Left Out: 0.000+/-0.000 χ²/NDF:46.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 16.5/20
Left In: 0.000+/-0.000 χ²/NDF:24.5/22
+ sign 0.000+/-0.000 χ²/NDF: 66.6/42
All: 0.000+/-0.000 χ²/NDF: 108.3/86
- sign 0.000+/-0.000 χ²/NDF: 41.5/43

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 3636890.3/17

Left Out: 0.002+/-0.000 χ^2/NDF:6495366.7/24

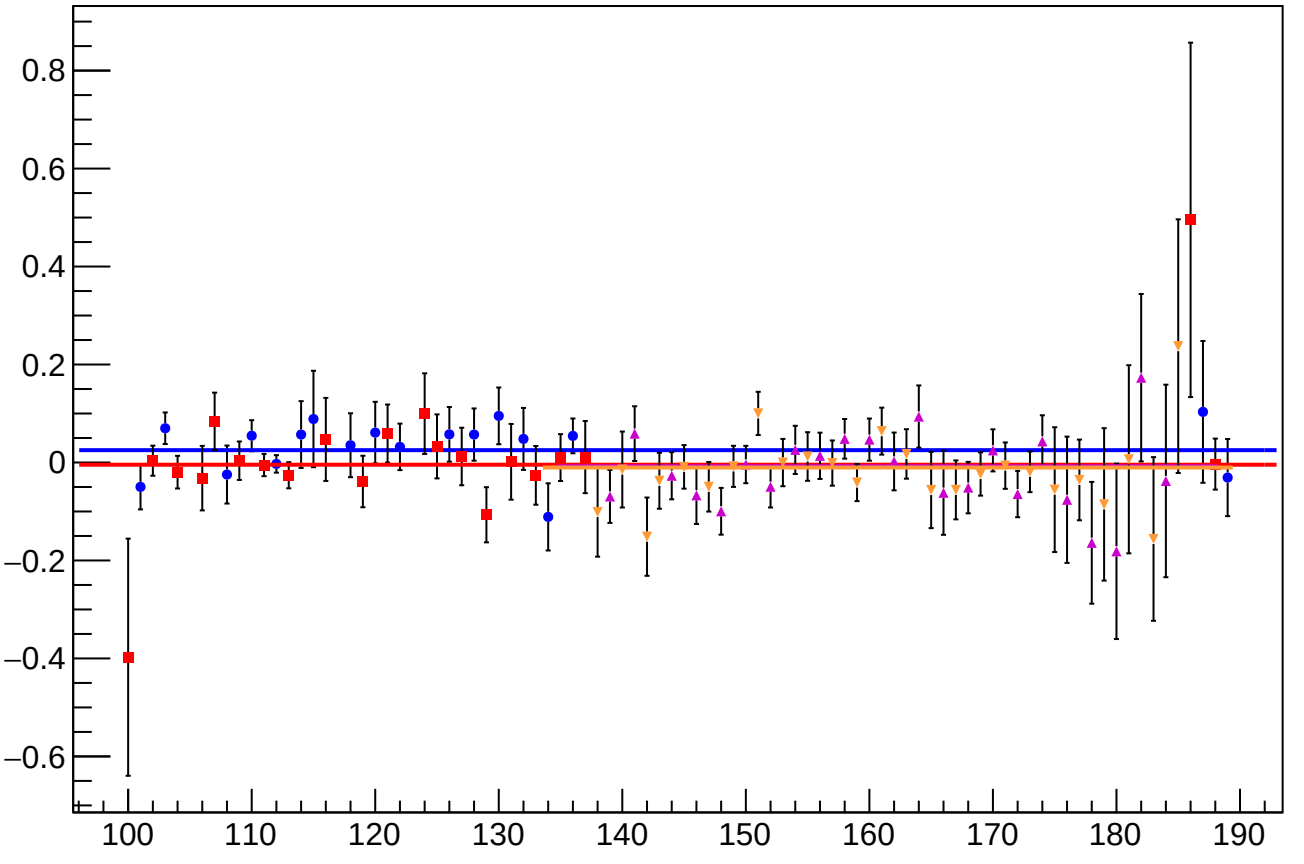
Right Out: 0.001+/-0.000 χ^2/NDF: 5313028.7/20

Left In: 0.002+/-0.000 χ^2/NDF:2093048.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 12881124.8/42

All: 0.001+/-0.000 χ^2/NDF: 28531190.5/86

- sign 0.001+/-0.000 χ^2/NDF: 15586826.3/43



Right In: 0.025+/-0.010 χ^2/NDF: 17.3/17

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

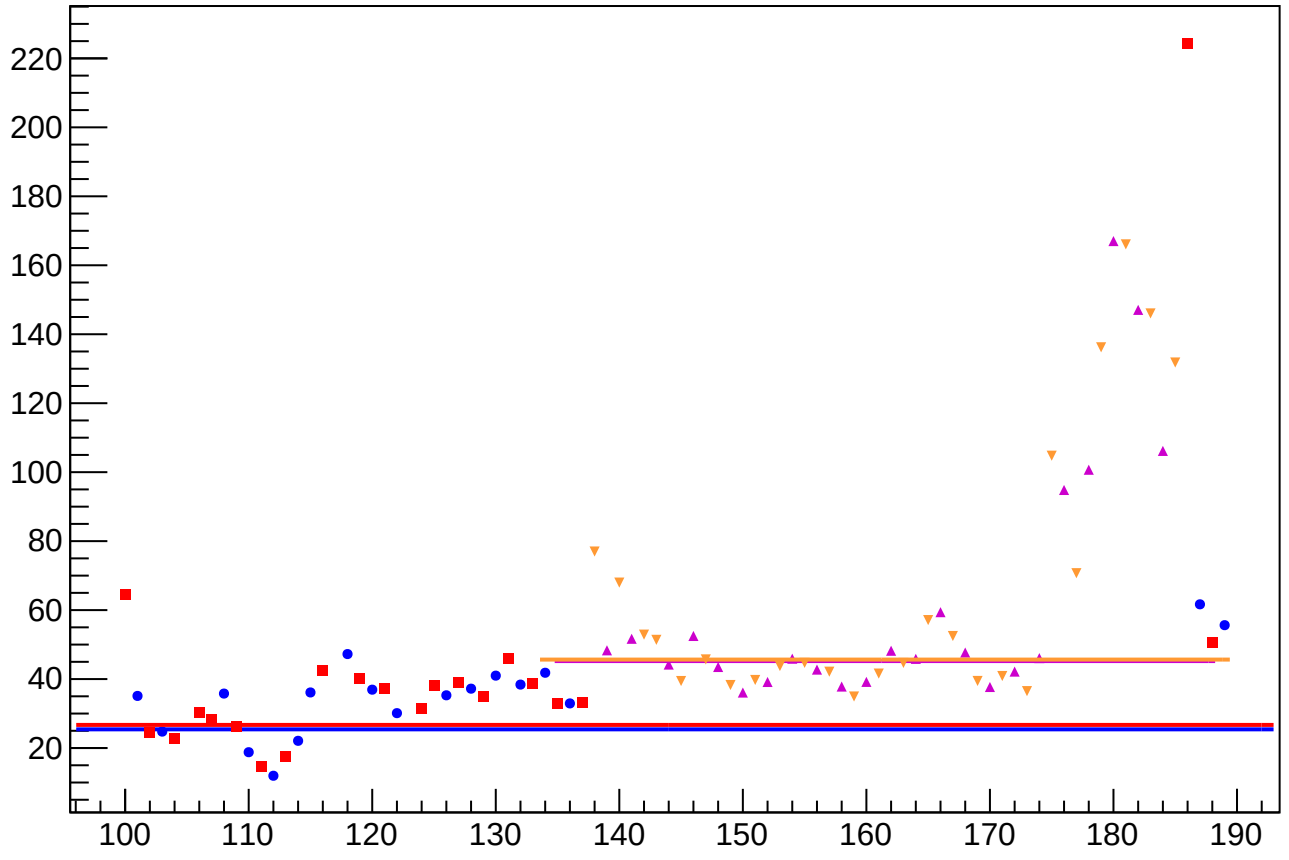
Right Out: -0.005+/-0.010 χ^2/NDF: 15.5/20

Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.009+/-0.008 χ^2/NDF: 40.8/42

All: 0.002+/-0.005 χ^2/NDF: 81.6/86

- sign -0.006+/-0.008 χ^2/NDF: 38.9/43



Right In: 25.420+/-0.007 χ^2/NDF: 2724518.0/17

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

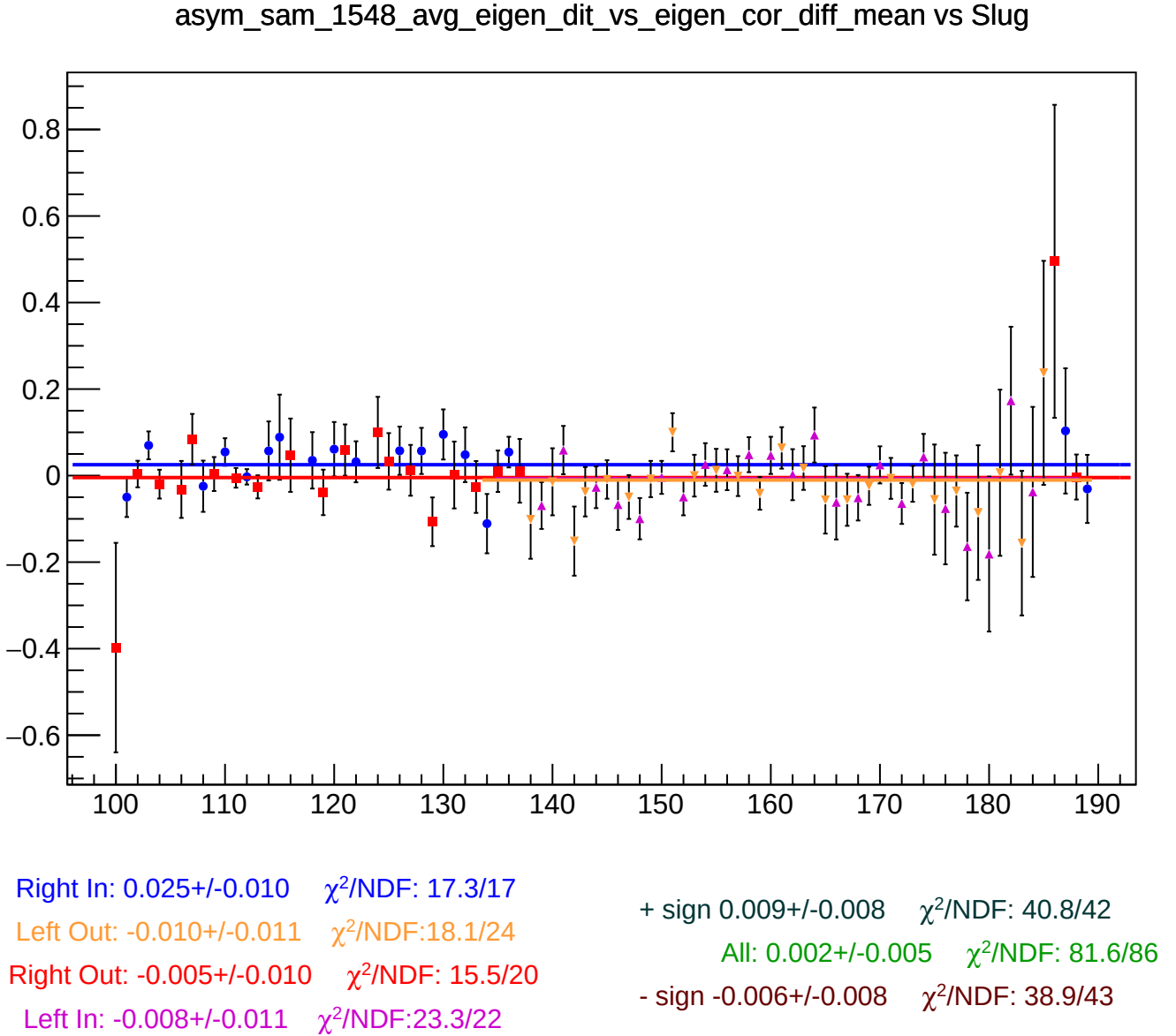
Right Out: 26.706+/-0.007 χ^2/NDF: 2649264.4/20

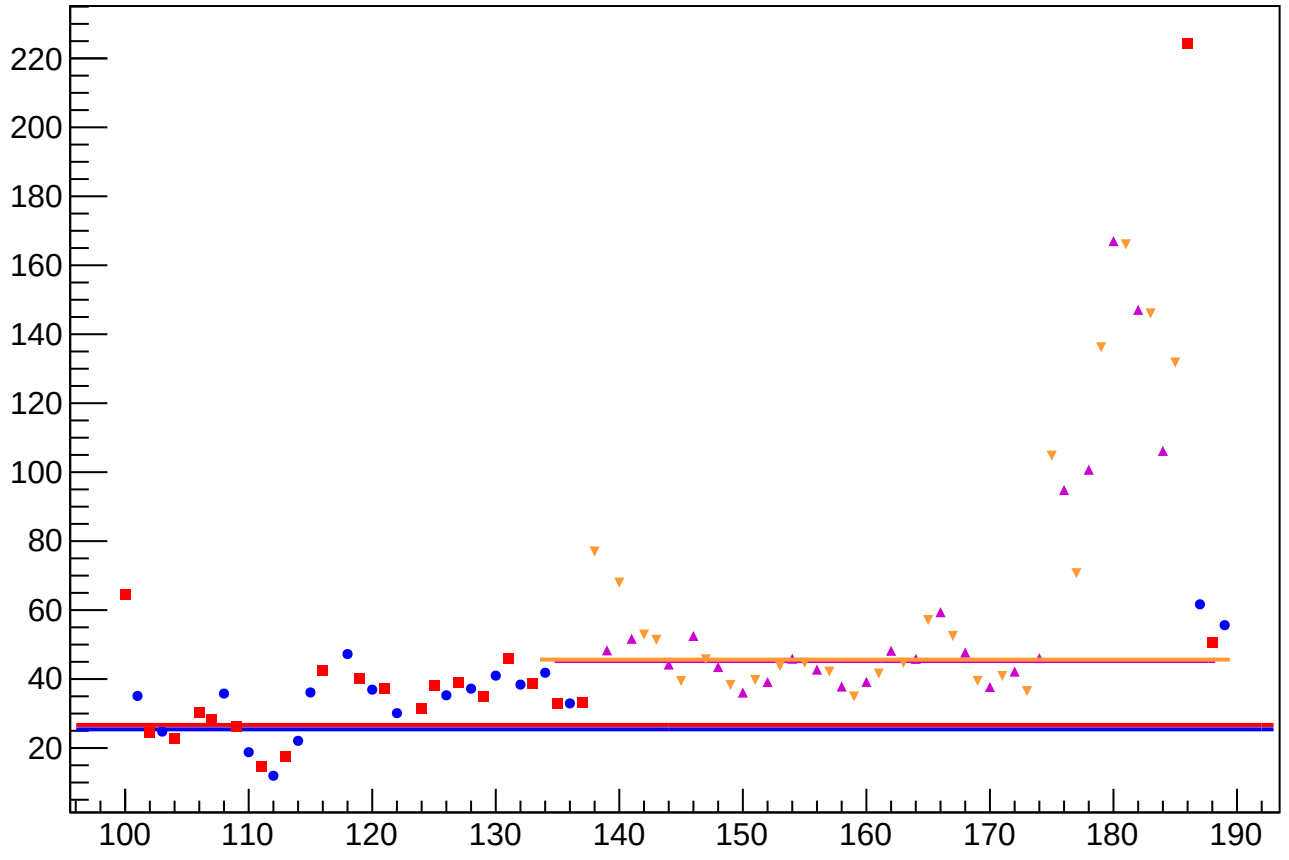
Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 34.567+/-0.005 χ^2/NDF: 10267433.1/42

All: 34.721+/-0.004 χ^2/NDF: 18849099.8/86

- sign 34.875+/-0.005 χ^2/NDF: 8580016.5/43


asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
180
190
Right In: 0.025+/-0.010 χ²/NDF: 17.3/17
Left Out: -0.010+/-0.011 χ²/NDF:18.1/24
Right Out: -0.005+/-0.010 χ²/NDF: 15.5/20
Left In: -0.008+/-0.011 χ²/NDF:23.3/22
+ sign 0.009+/-0.008 χ²/NDF: 40.8/42
All: 0.002+/-0.005 χ²/NDF: 81.6/86
- sign -0.006+/-0.008 χ²/NDF: 38.9/43



Right In: 25.420+/-0.007 χ^2/NDF: 2724518.0/17

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

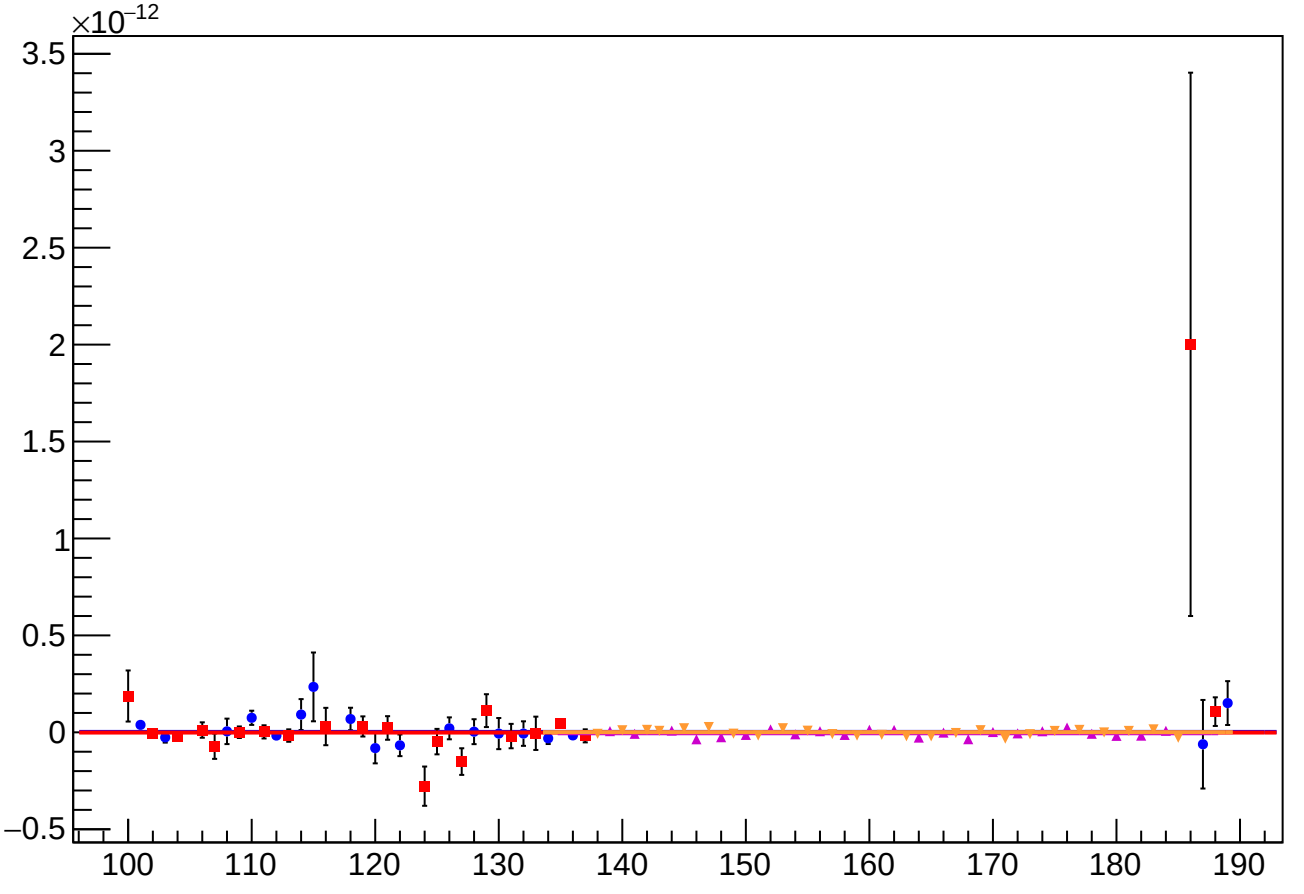
Right Out: 26.706+/-0.007 χ^2/NDF: 2649264.4/20

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 34.567+/-0.005 χ^2/NDF: 10267433.1/42

All: 34.721+/-0.004 χ^2/NDF: 18849099.8/86

- sign 34.875+/-0.005 χ^2/NDF: 8580016.5/43



Right In: 0.000+/-0.000 χ^2/NDF: 20.5/17

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

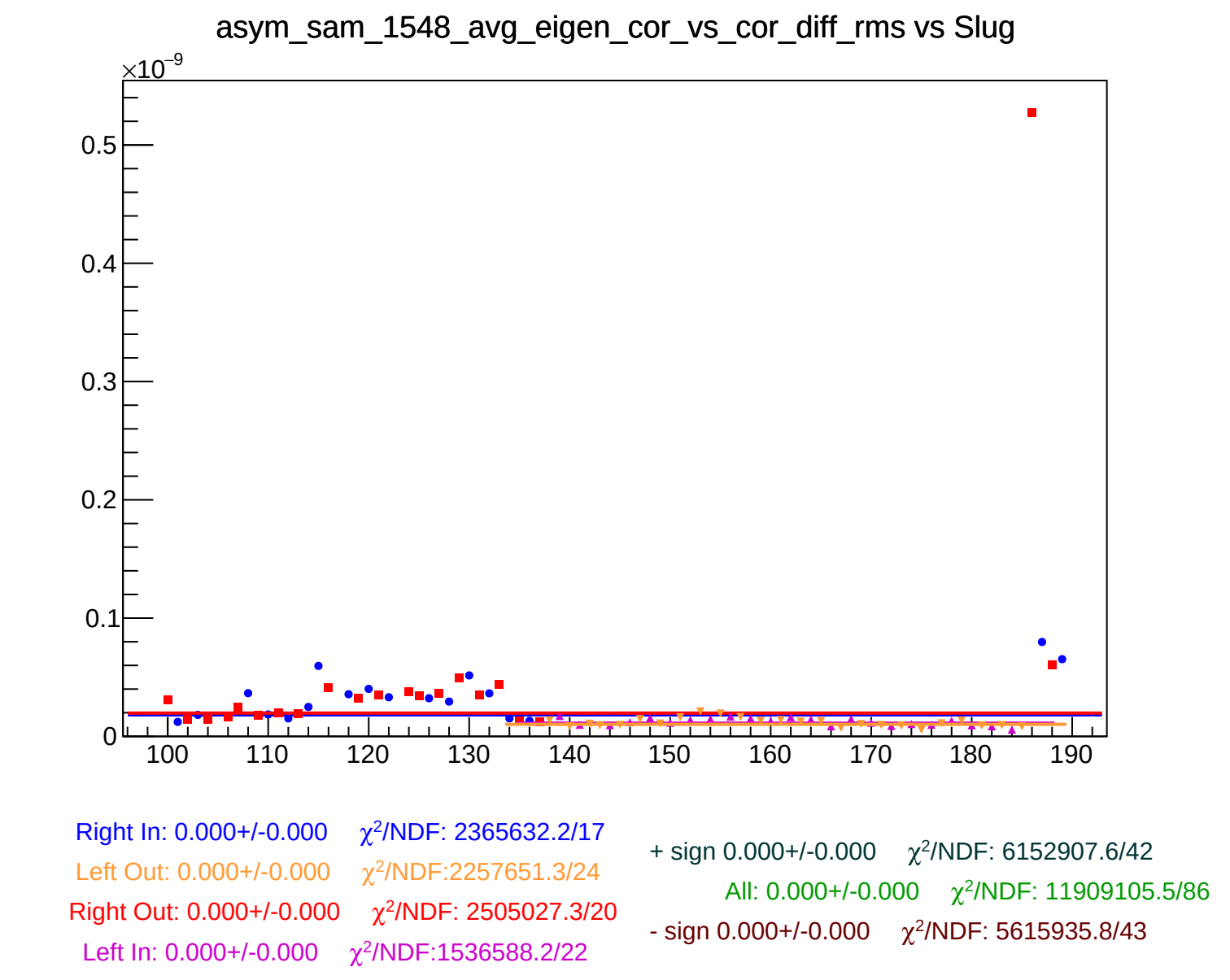
Right Out: -0.000+/-0.000 χ^2/NDF: 27.7/20

Left In: -0.000+/-0.000 χ^2/NDF:23.7/22

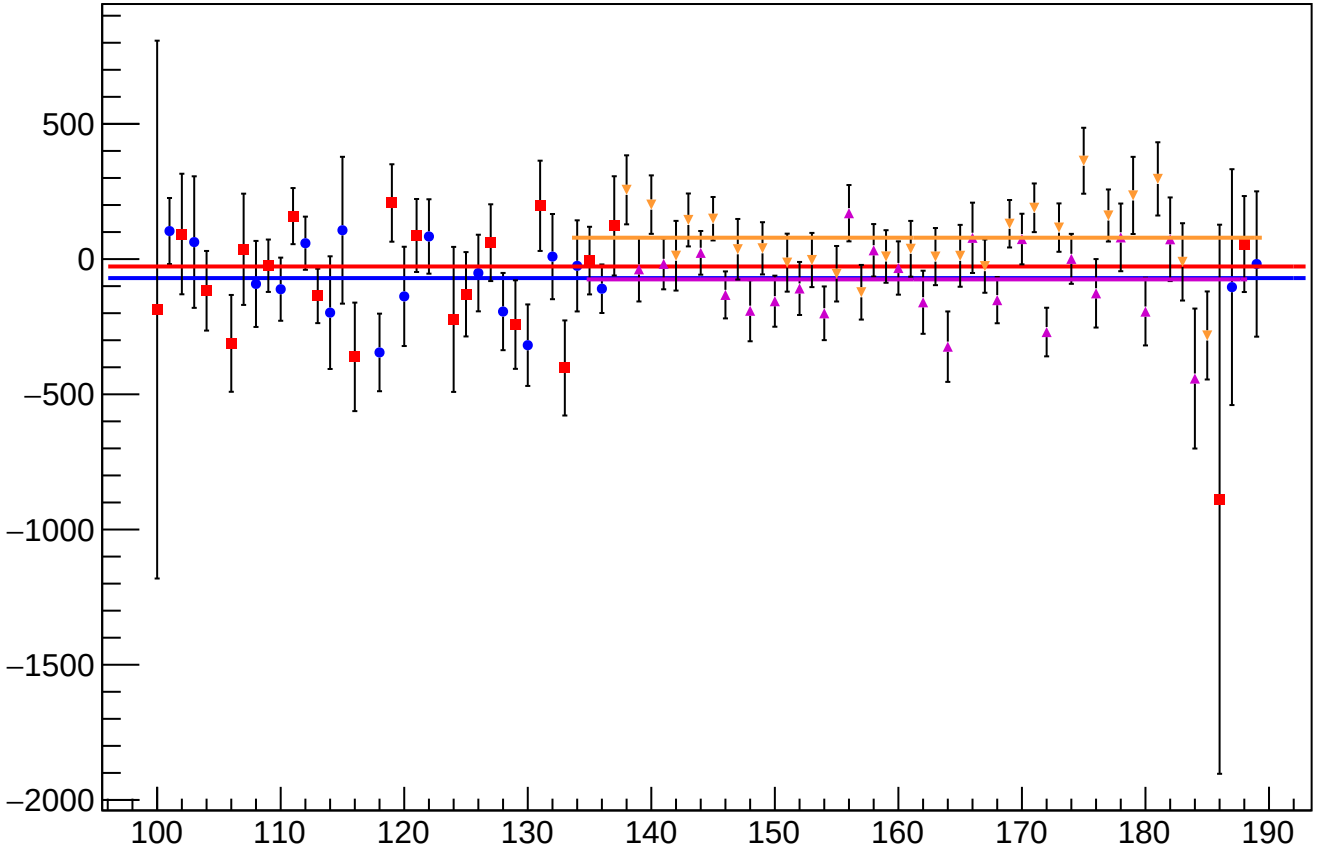
+ sign 0.000+/-0.000 χ^2/NDF: 46.0/42

All: -0.000+/-0.000 χ^2/NDF: 99.2/86

- sign -0.000+/-0.000 χ^2/NDF: 51.5/43


asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2365632.2/17
Left Out: 0.000+/-0.000 χ²/NDF:2257651.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 2505027.3/20
Left In: 0.000+/-0.000 χ²/NDF:1536588.2/22
+ sign 0.000+/-0.000 χ²/NDF: 6152907.6/42
All: 0.000+/-0.000 χ²/NDF: 11909105.5/86
- sign 0.000+/-0.000 χ²/NDF: 5615935.8/43

reg_asym_sam_3748_avg_mean vs Slug



Right In: -70.218+/-34.715 χ^2/NDF: 14.1/17

Left Out: 79.098+/-21.102 χ^2/NDF:32.0/24

Right Out: -27.298+/-33.604 χ^2/NDF: 25.0/20

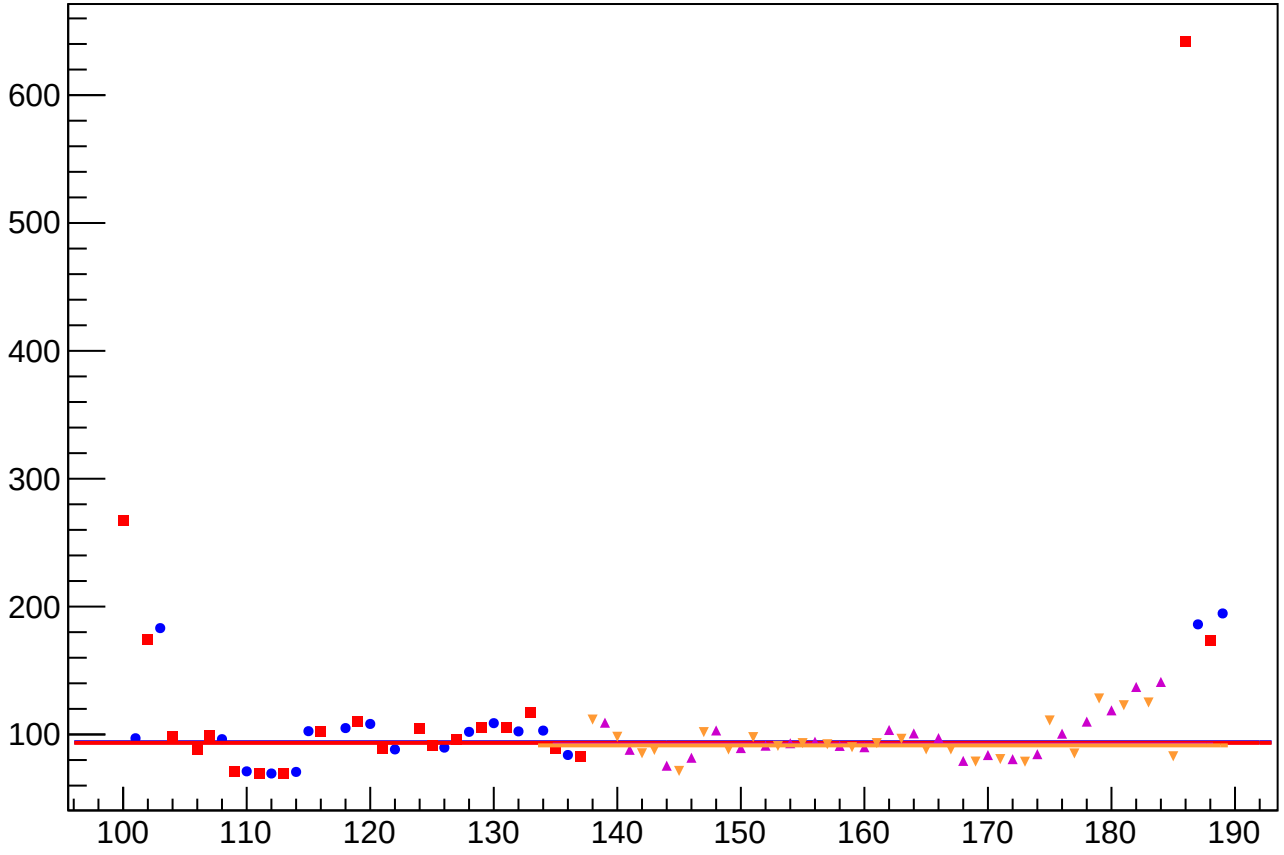
Left In: -75.048+/-21.837 χ^2/NDF:32.6/22

+ sign 38.811+/-18.032 χ^2/NDF: 59.6/42

All: -10.266+/-12.848 χ^2/NDF: 133.7/86

- sign -60.871+/-18.311 χ^2/NDF: 59.0/43

reg_asym_sam_3748_avg_rms vs Slug



Right In: 93.927+/-0.025 χ^2/NDF: 959708.4/17

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

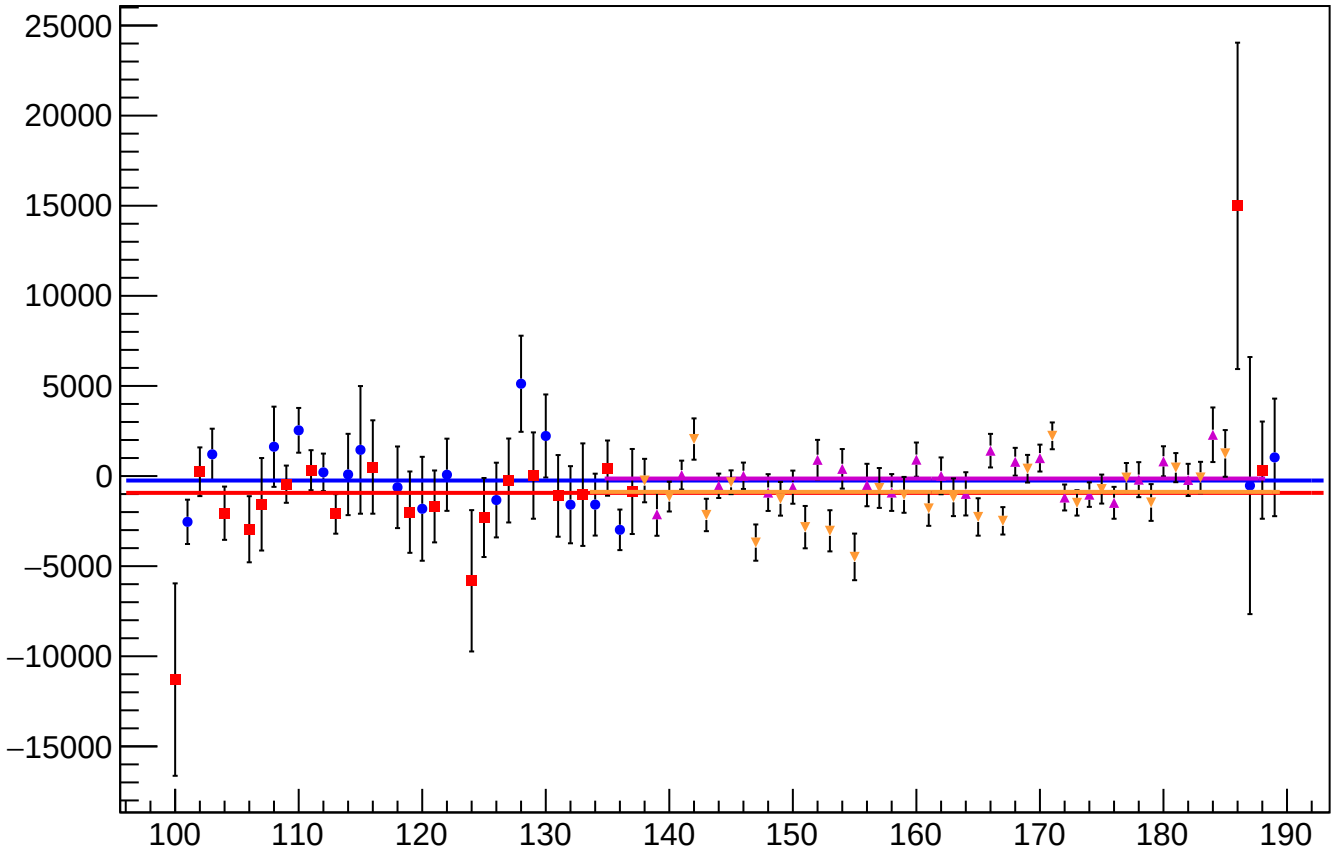
Right Out: 93.447+/-0.024 χ^2/NDF: 1755584.1/20

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 92.127+/-0.013 χ^2/NDF: 1718284.4/42

All: 92.311+/-0.009 χ^2/NDF: 4176138.4/86

- sign 92.500+/-0.013 χ^2/NDF: 2457431.6/43



Right In: -248.224+/-415.442 χ^2/NDF: 23.6/17

Left Out: -878.463+/-182.188 χ^2/NDF:67.7/24

Right Out: -933.619+/-396.091 χ^2/NDF: 16.0/20

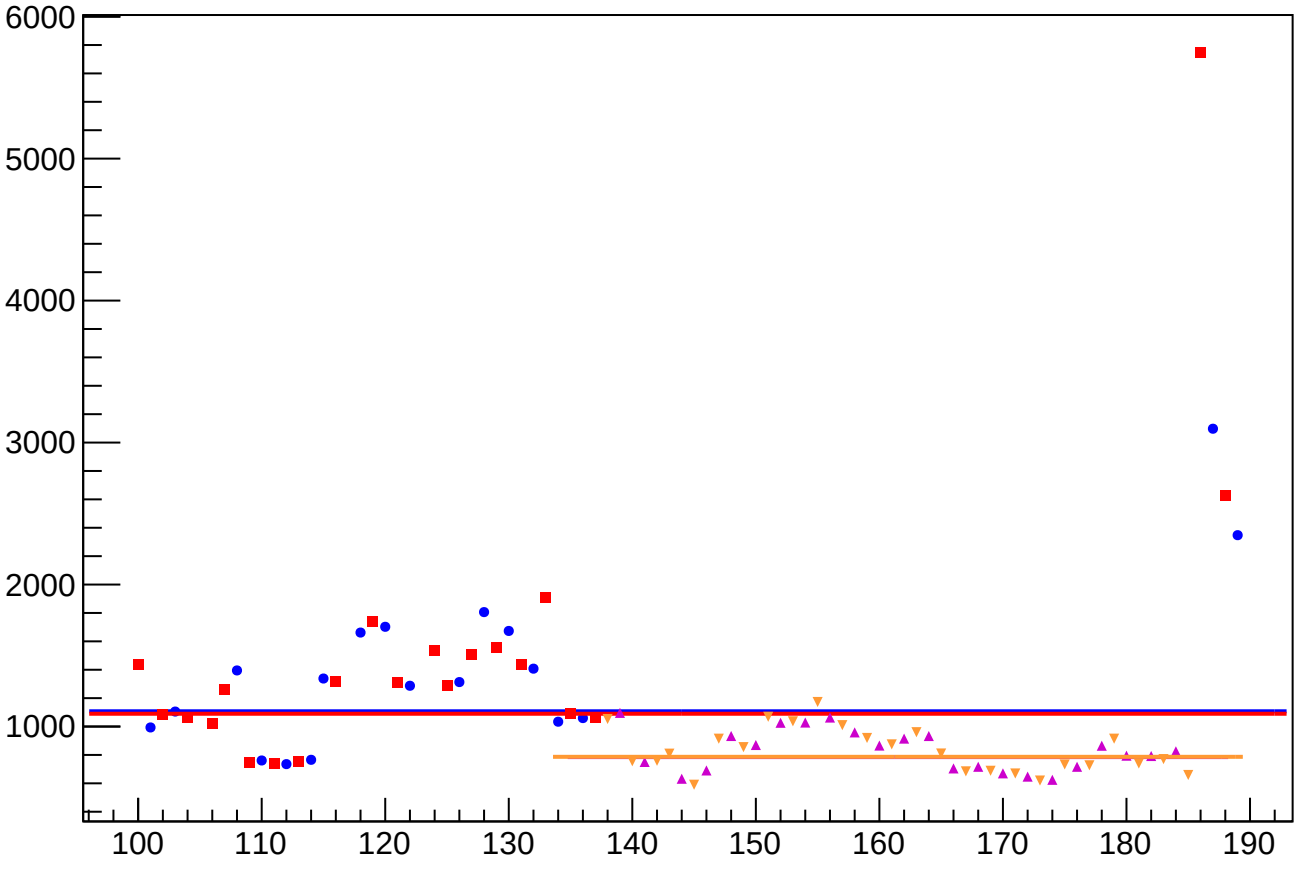
Left In: -138.728+/-186.573 χ^2/NDF:24.2/22

+ sign -776.807+/-166.849 χ^2/NDF: 93.3/42

All: -532.787+/-118.659 χ^2/NDF: 141.1/86

- sign -283.069+/-168.786 χ^2/NDF: 43.5/43

asym_sam_3748_avg_reg_correction_rms vs Slug



Right In: 1107.458+/-0.294 χ^2/NDF: 1506947.9/17

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1090.104+/-0.280 χ^2/NDF: 2398869.0/20

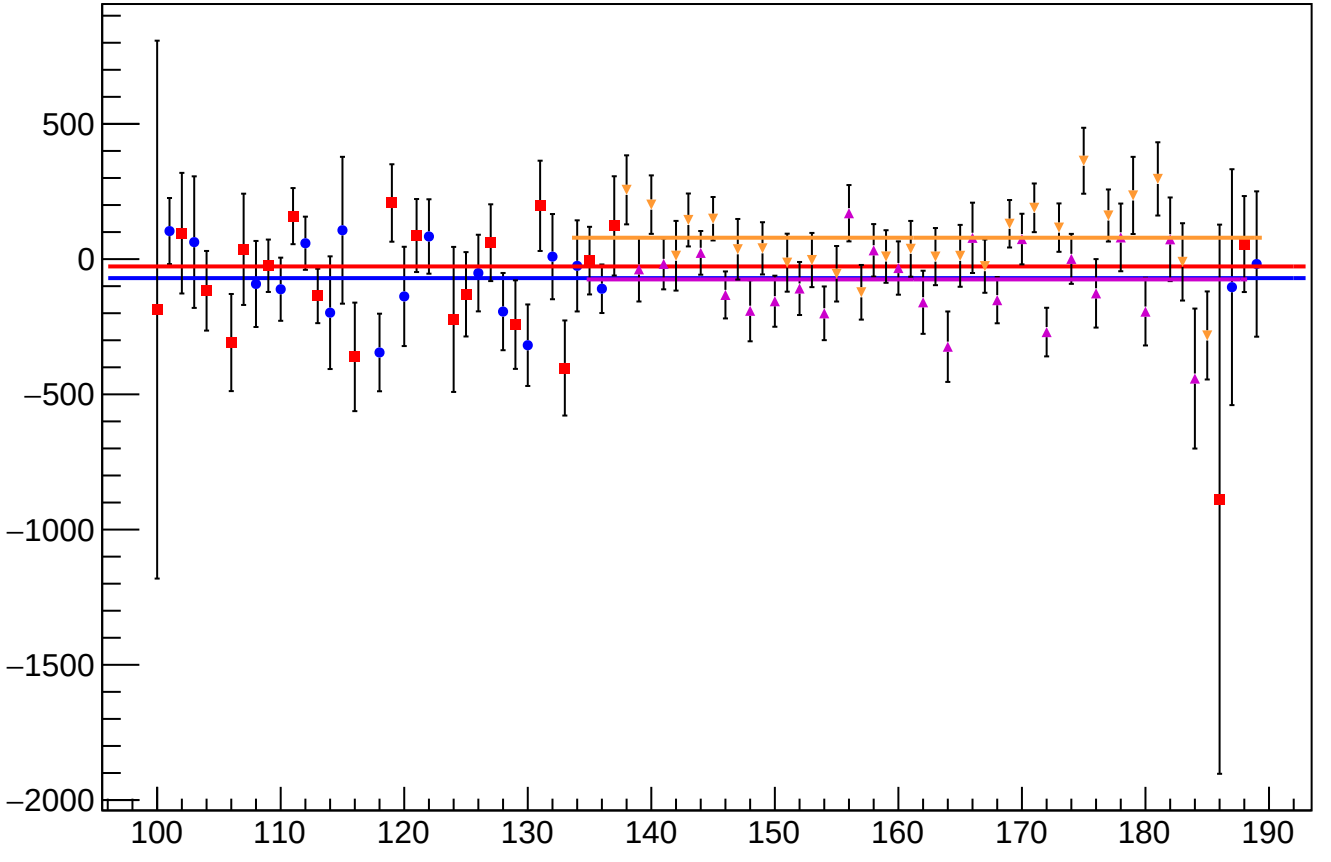
Left In: 784.833+/-0.132 χ^2/NDF:1063747.2/22

+ sign 838.486+/-0.118 χ^2/NDF: 3717413.8/42

All: 839.366+/-0.084 χ^2/NDF: 8152408.8/86

- sign 840.266+/-0.119 χ^2/NDF: 4434882.5/43

cor_asym_sam_3748_avg_mean vs Slug



Right In: -70.230+/-34.715 χ^2/NDF: 14.1/17

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: -27.055+/-33.608 χ^2/NDF: 24.9/20

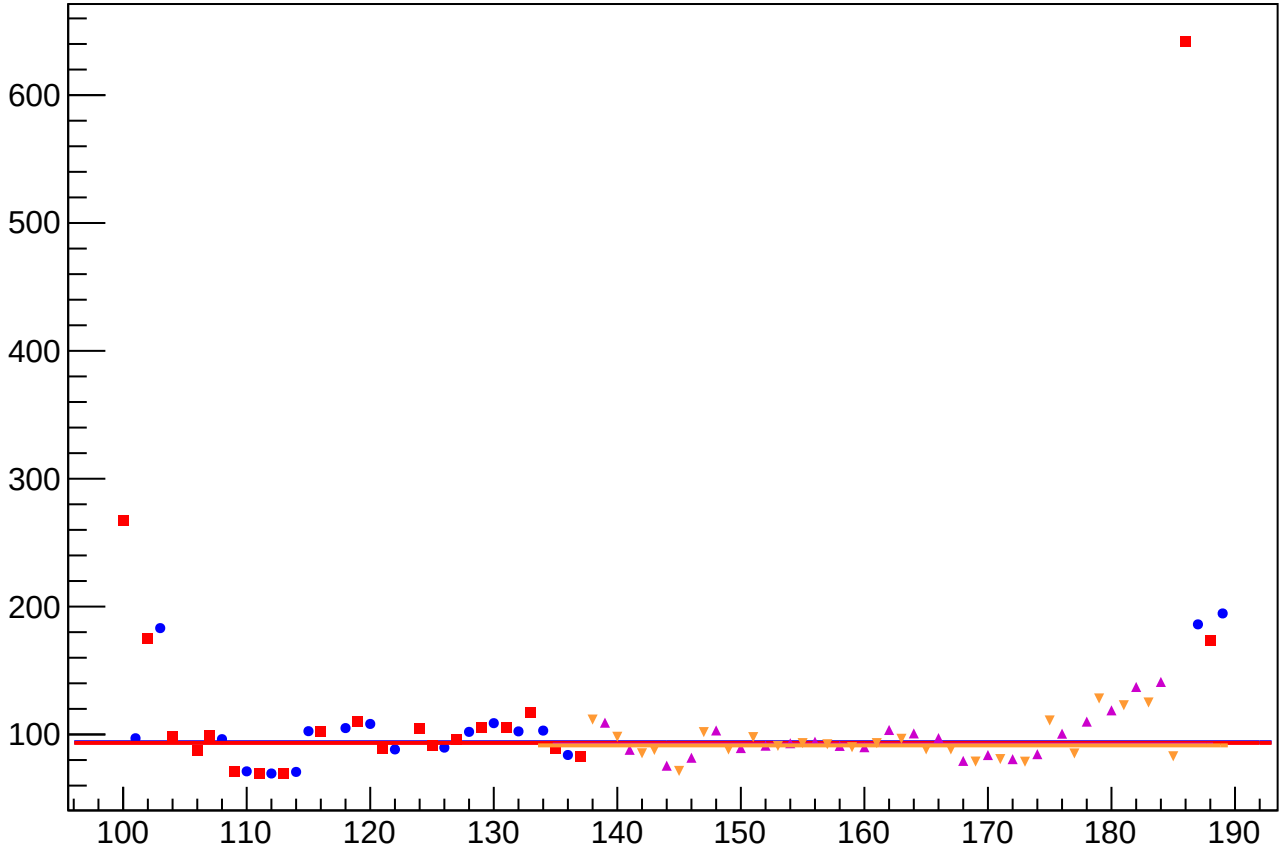
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 38.815+/-18.032 χ^2/NDF: 59.6/42

All: -10.229+/-12.848 χ^2/NDF: 133.6/86

- sign -60.802+/-18.311 χ^2/NDF: 59.0/43

cor_asym_sam_3748_avg_rms vs Slug



Right In: 93.927+/-0.025 χ^2/NDF: 959711.5/17

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

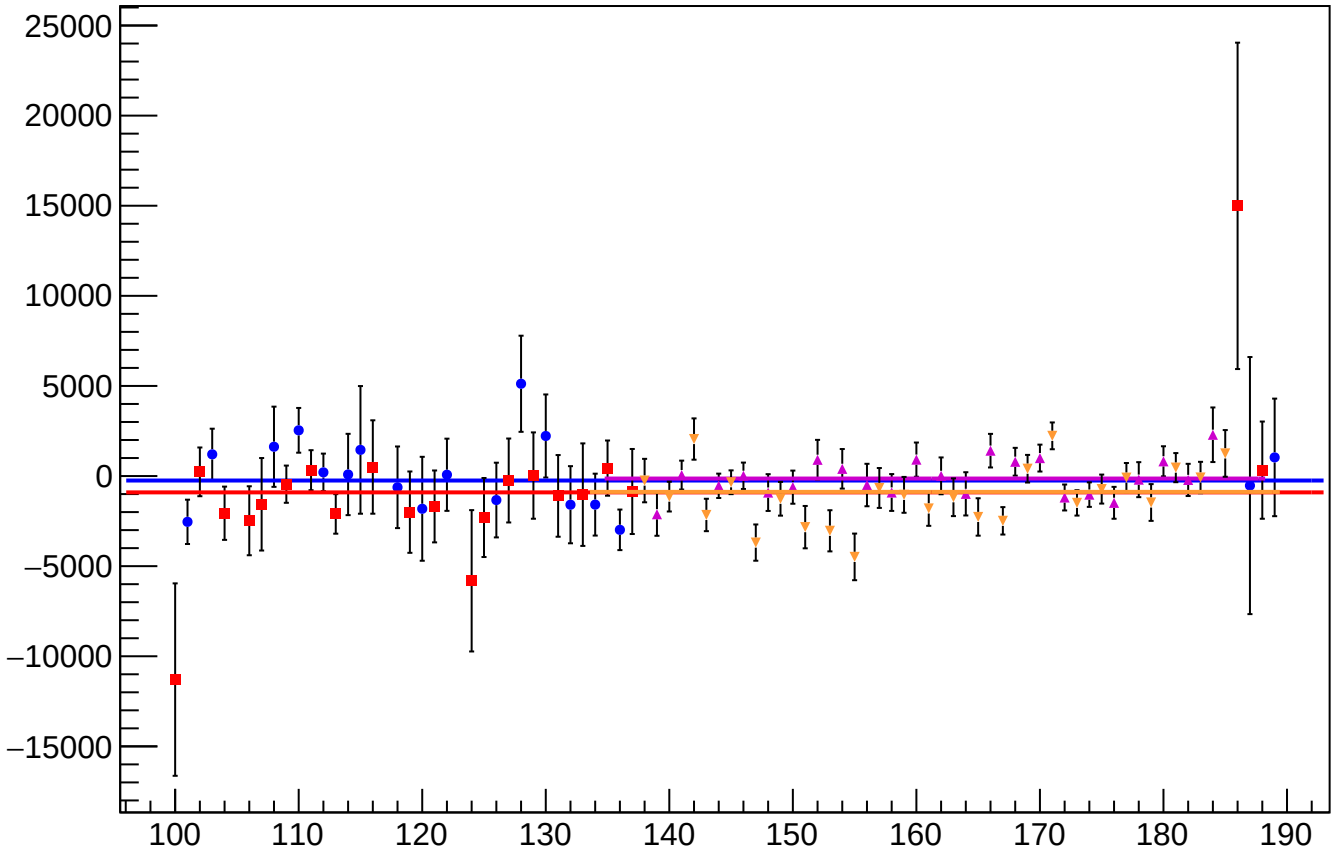
Right Out: 93.402+/-0.024 χ^2/NDF: 1756704.7/20

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 92.127+/-0.013 χ^2/NDF: 1718287.5/42

All: 92.304+/-0.009 χ^2/NDF: 4177084.2/86

- sign 92.487+/-0.013 χ^2/NDF: 2458404.0/43



Right In: -248.244+/-415.445 χ^2/NDF: 23.6/17

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

Right Out: -906.353+/-396.871 χ^2/NDF: 15.4/20

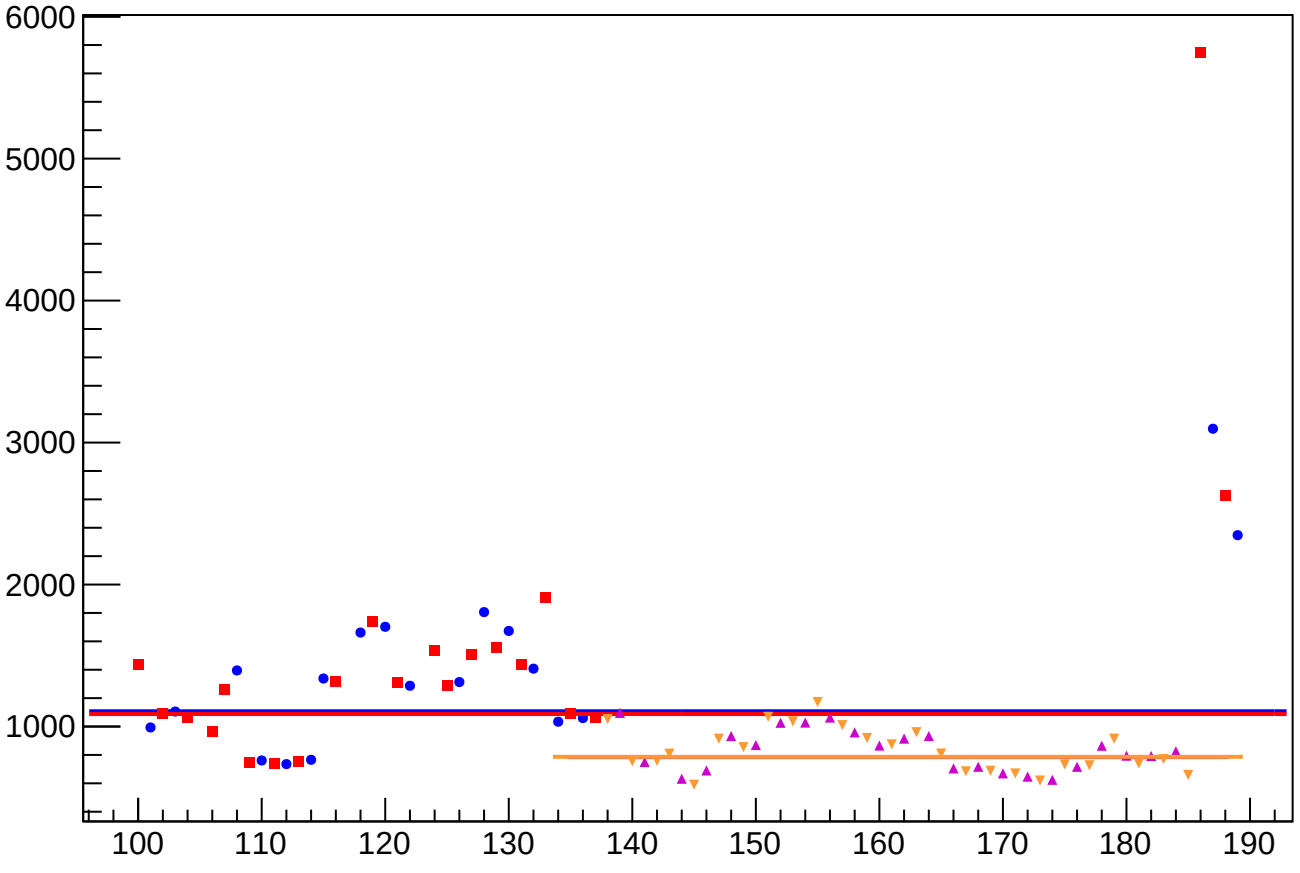
Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

+ sign -776.804+/-166.849 χ^2/NDF: 93.3/42

All: -530.207+/-118.680 χ^2/NDF: 140.4/86

- sign -277.671+/-168.846 χ^2/NDF: 42.7/43

asym_sam_3748_avg_cor_correction_rms vs Slug



Right In: 1107.467+/-0.294 χ^2/NDF: 1506949.1/17

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1087.978+/-0.281 χ^2/NDF: 2404475.9/20

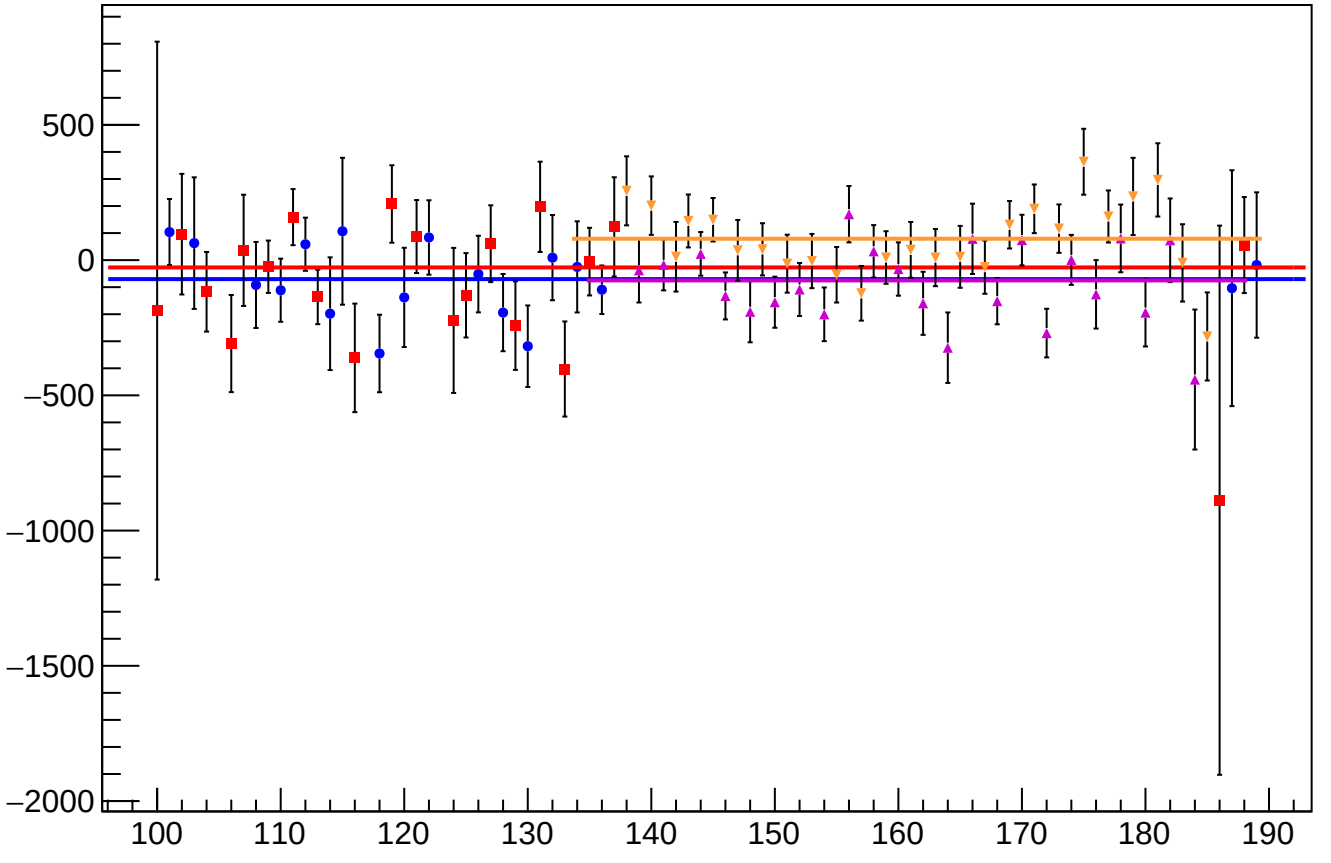
Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

+ sign 838.487+/-0.118 χ^2/NDF: 3717457.8/42

All: 839.088+/-0.084 χ^2/NDF: 8141419.4/86

- sign 839.703+/-0.119 χ^2/NDF: 4423909.2/43

eigen_cor_asym_sam_3748_avg_mean vs Slug



Right In: -70.230+/-34.715 χ^2/NDF: 14.1/17

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: -27.055+/-33.608 χ^2/NDF: 24.9/20

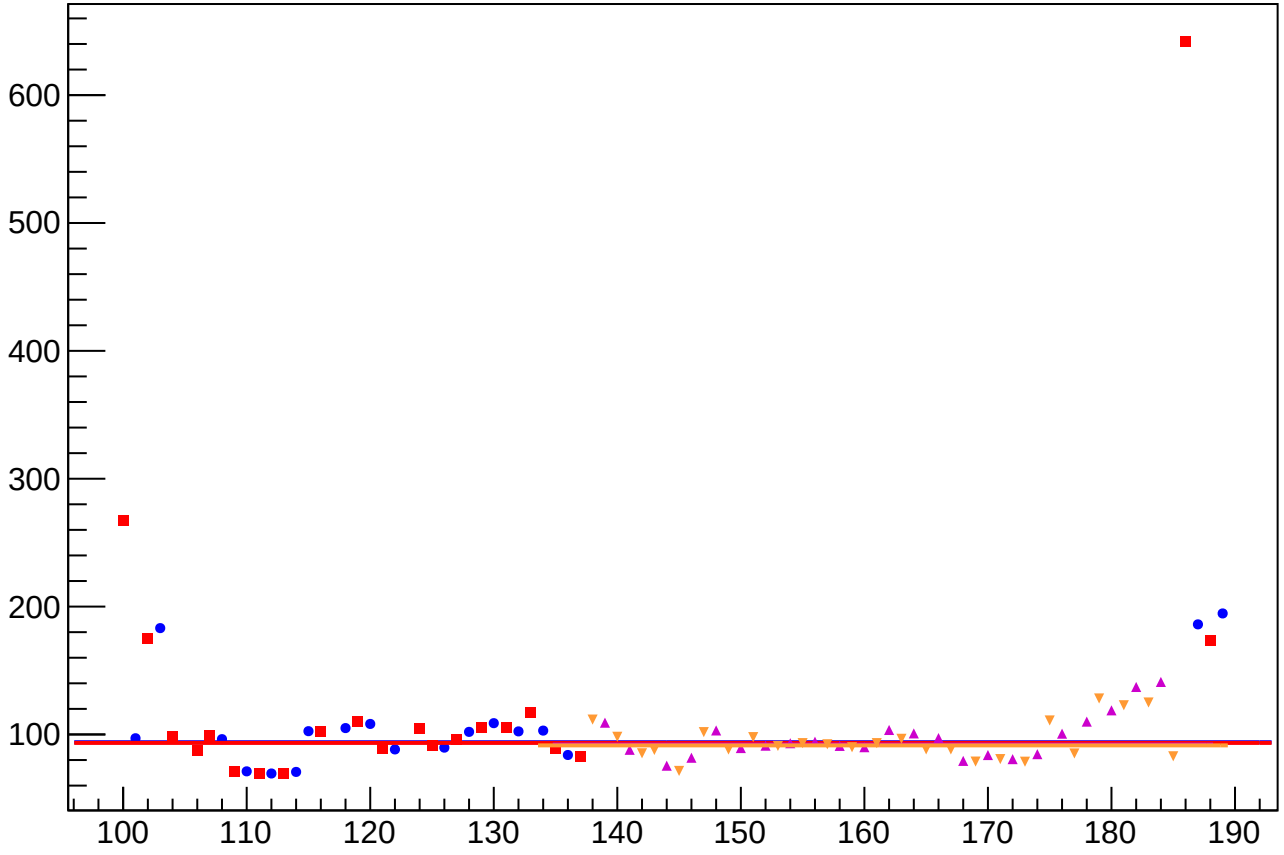
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 38.815+/-18.032 χ^2/NDF: 59.6/42

All: -10.229+/-12.848 χ^2/NDF: 133.6/86

- sign -60.802+/-18.311 χ^2/NDF: 59.0/43

eigen_cor_asym_sam_3748_avg_rms vs Slug



Right In: 93.927+/-0.025 χ^2/NDF: 959711.5/17

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

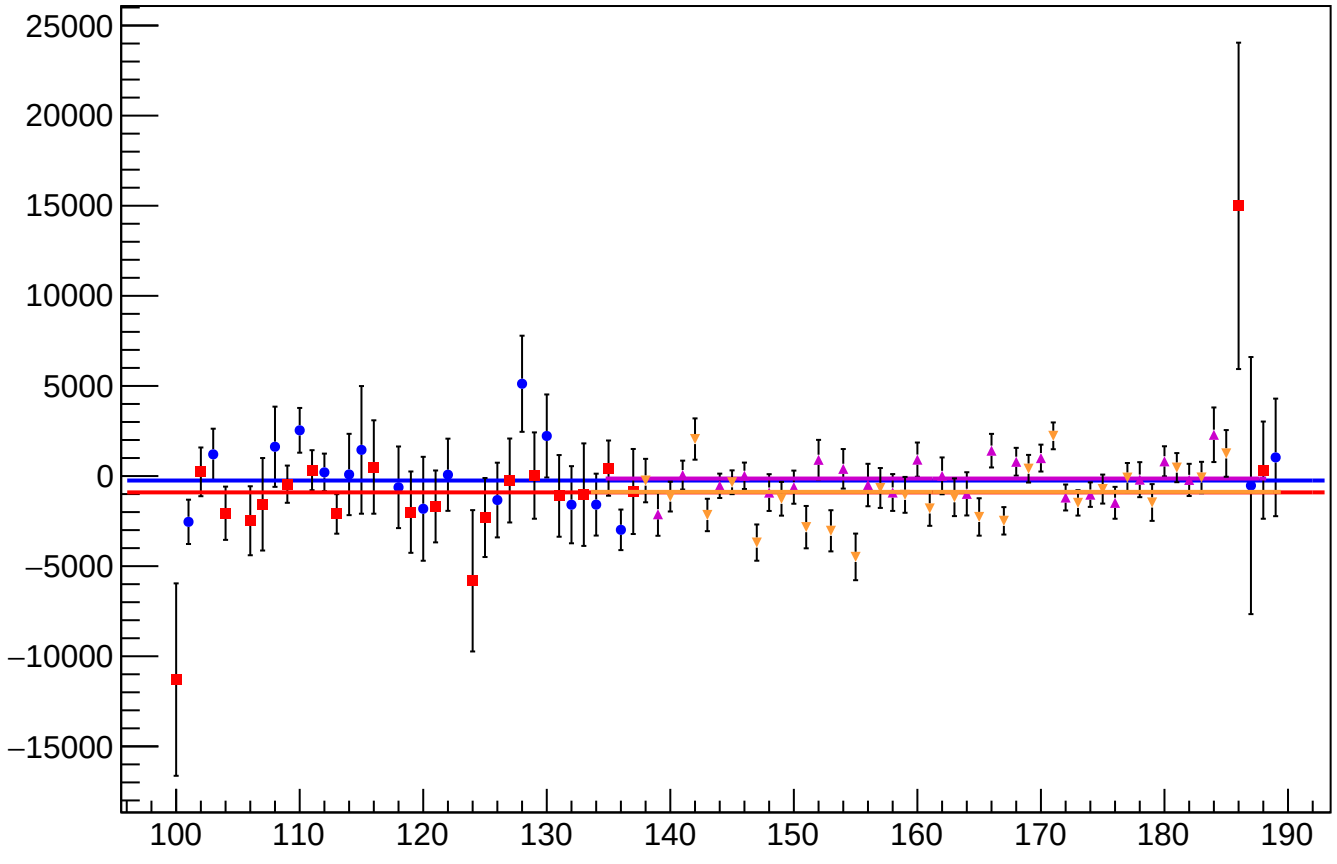
Right Out: 93.402+/-0.024 χ^2/NDF: 1756704.7/20

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 92.127+/-0.013 χ^2/NDF: 1718287.5/42

All: 92.304+/-0.009 χ^2/NDF: 4177084.2/86

- sign 92.487+/-0.013 χ^2/NDF: 2458404.0/43



Right In: -248.244+/-415.445 χ^2/NDF: 23.6/17

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

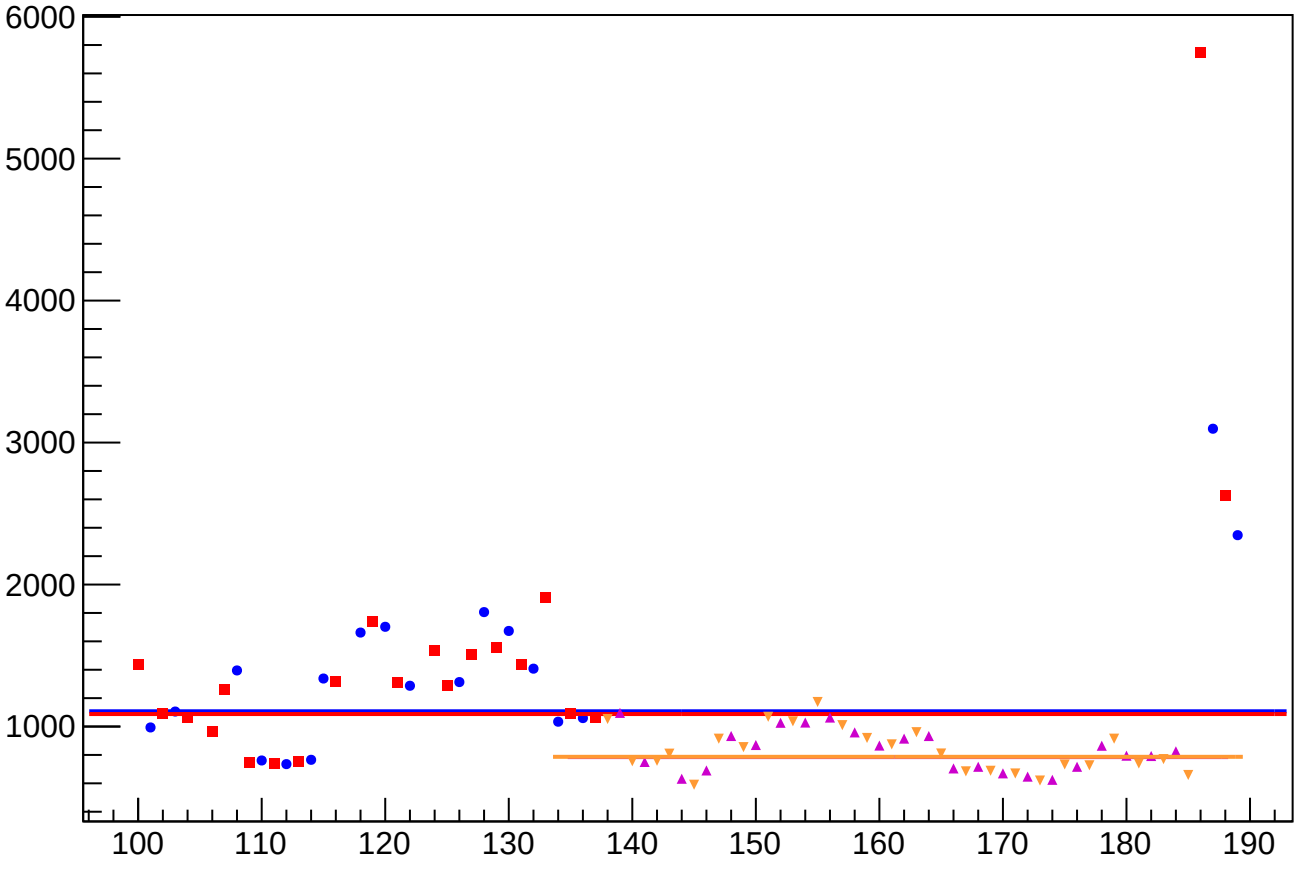
Right Out: -906.353+/-396.871 χ^2/NDF: 15.4/20

Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

+ sign -776.804+/-166.849 χ^2/NDF: 93.3/42

All: -530.207+/-118.680 χ^2/NDF: 140.4/86

- sign -277.671+/-168.846 χ^2/NDF: 42.7/43



Right In: 1107.467+/-0.294 χ^2/NDF: 1506949.1/17

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1087.978+/-0.281 χ^2/NDF: 2404475.9/20

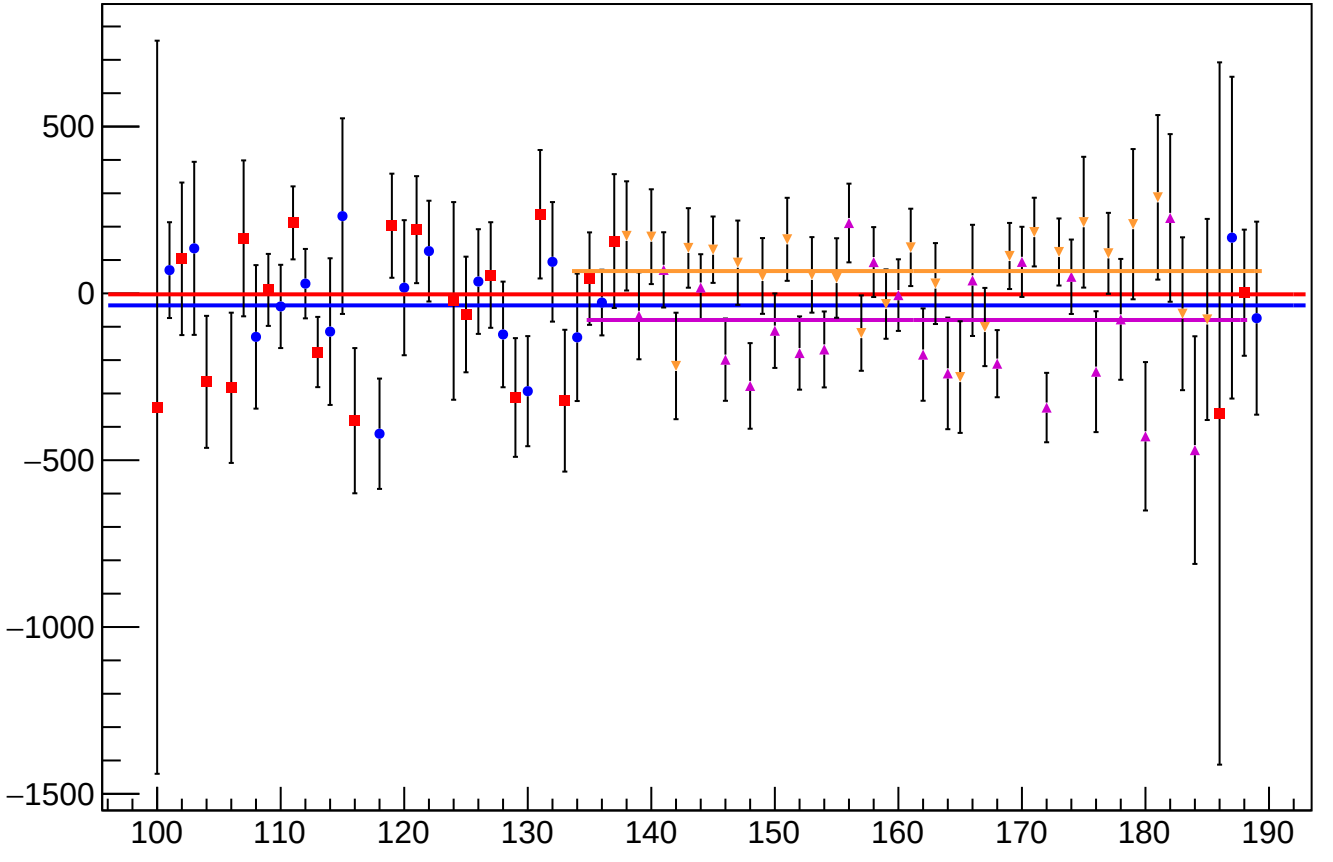
Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

+ sign 838.487+/-0.118 χ^2/NDF: 3717457.8/42

All: 839.088+/-0.084 χ^2/NDF: 8141419.4/86

- sign 839.703+/-0.119 χ^2/NDF: 4423909.2/43

dit_asym_sam_3748_avg_mean vs Slug



Right In: -35.960+/-38.518 χ^2/NDF: 13.1/17

Left Out: 66.896+/-25.584 χ^2/NDF:19.6/24

Right Out: -2.840+/-37.386 χ^2/NDF: 24.9/20

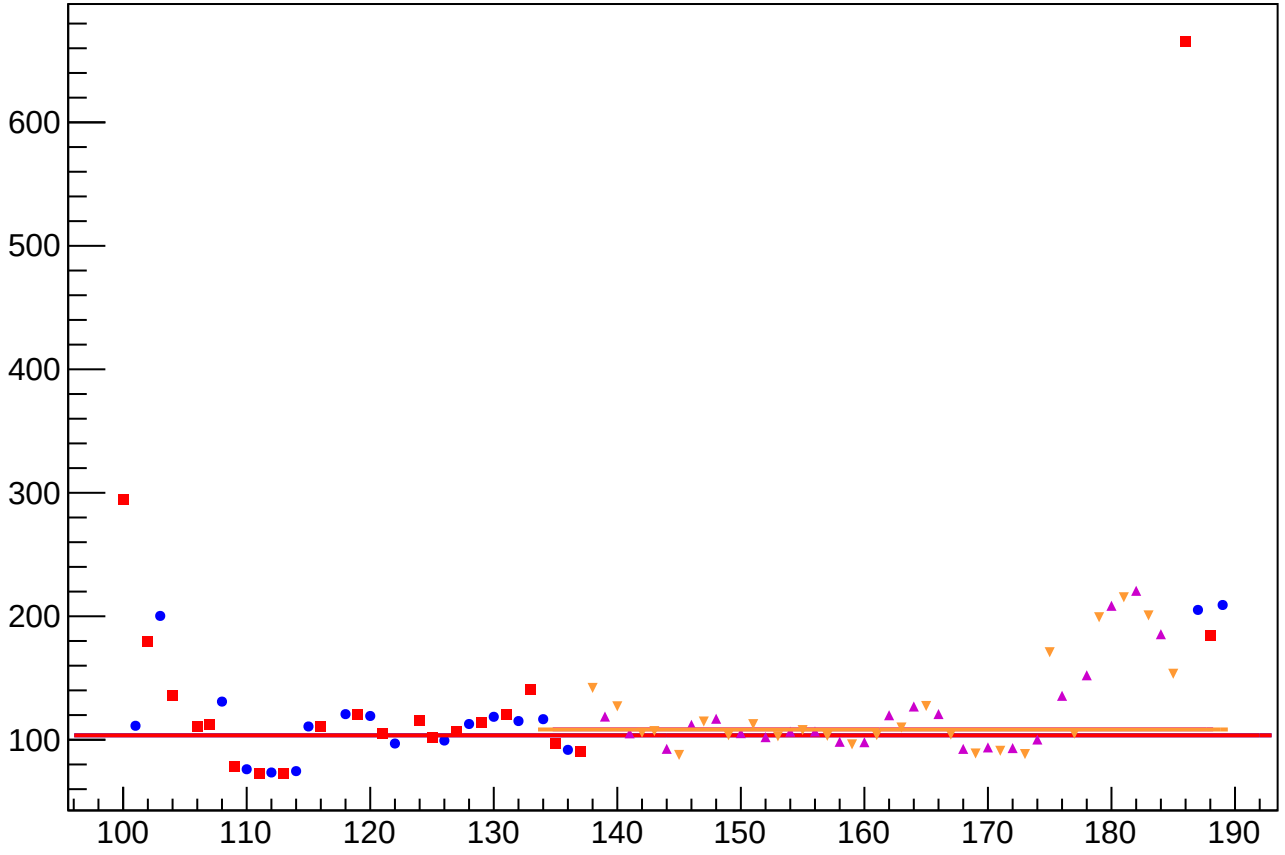
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 35.410+/-21.311 χ^2/NDF: 37.6/42

All: -9.029+/-15.139 χ^2/NDF: 111.0/86

- sign -54.302+/-21.510 χ^2/NDF: 64.6/43

dit_asym_sam_3748_avg_rms vs Slug



Right In: 103.612+/-0.027 χ^2/NDF: 1079710.4/17

Left Out: 108.330+/-0.018 χ^2/NDF:1774599.9/24

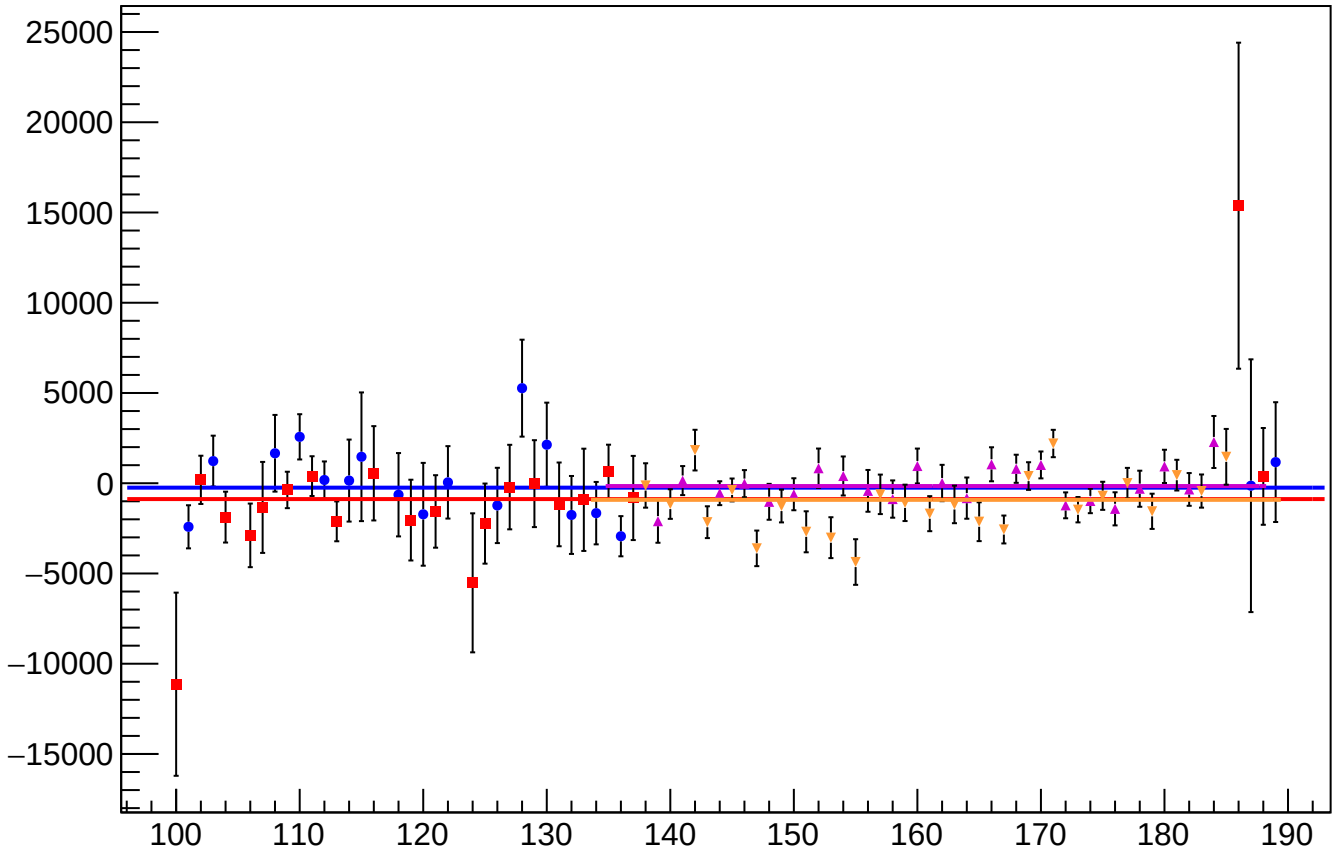
Right Out: 103.576+/-0.026 χ^2/NDF: 1837413.8/20

Left In: 108.492+/-0.019 χ^2/NDF:1379398.3/22

+ sign 106.886+/-0.015 χ^2/NDF: 2875131.5/42

All: 106.876+/-0.011 χ^2/NDF: 6115079.1/86

- sign 106.865+/-0.015 χ^2/NDF: 3239946.7/43



Right In: -245.153+/-413.086 χ^2/NDF: 23.6/17

Left Out: -918.735+/-182.461 χ^2/NDF:64.1/24

Right Out: -877.996+/-391.608 χ^2/NDF: 16.6/20

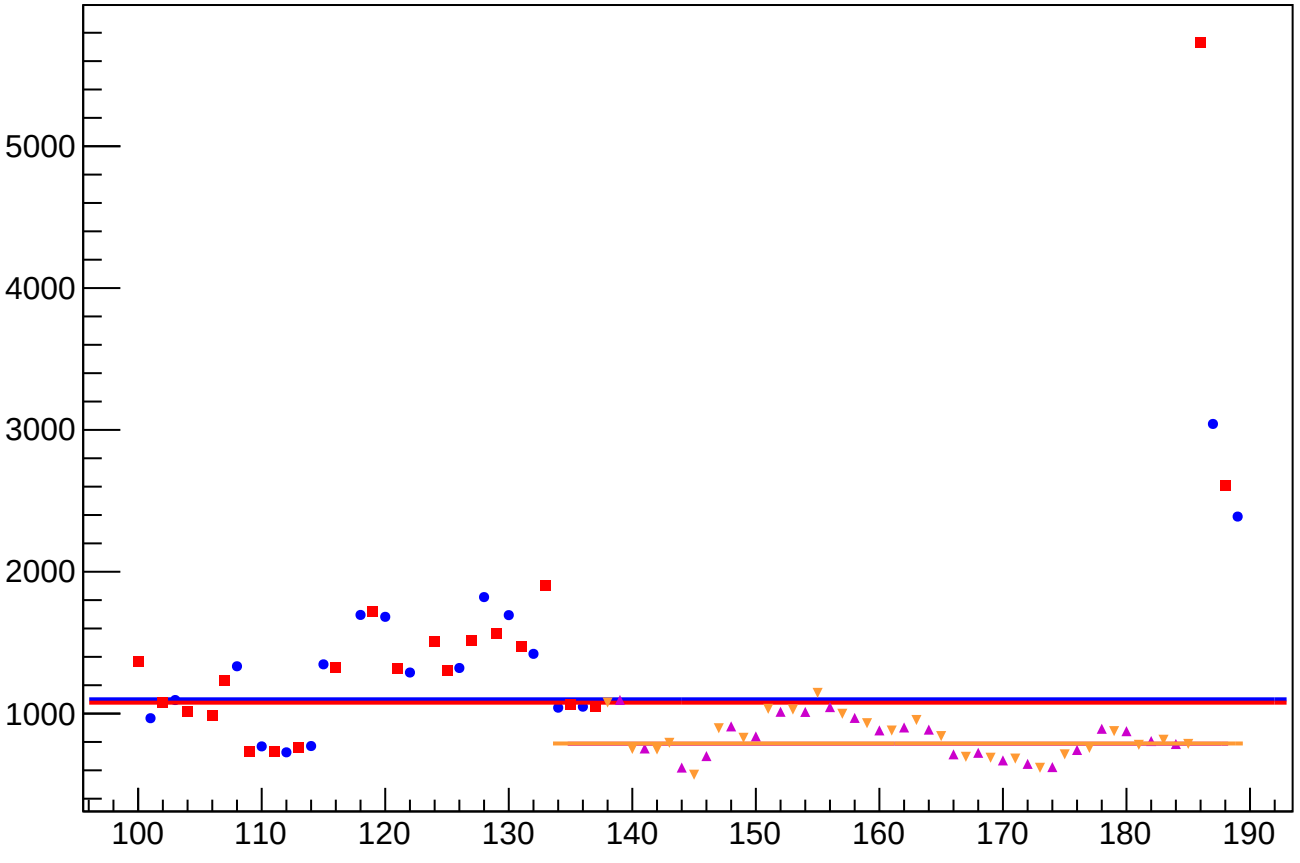
Left In: -155.874+/-187.116 χ^2/NDF:23.1/22

+ sign -808.772+/-166.905 χ^2/NDF: 90.0/42

All: -552.412+/-118.695 χ^2/NDF: 137.2/86

- sign -290.095+/-168.833 χ^2/NDF: 42.5/43

asym_sam_3748_avg_dit_correction_rms vs Slug



Right In: 1100.691+/-0.292 χ^2/NDF: 1540759.2/17

Left Out: 789.250+/-0.129 χ^2/NDF:1176799.1/24

Right Out: 1077.000+/-0.277 χ^2/NDF: 2438102.8/20

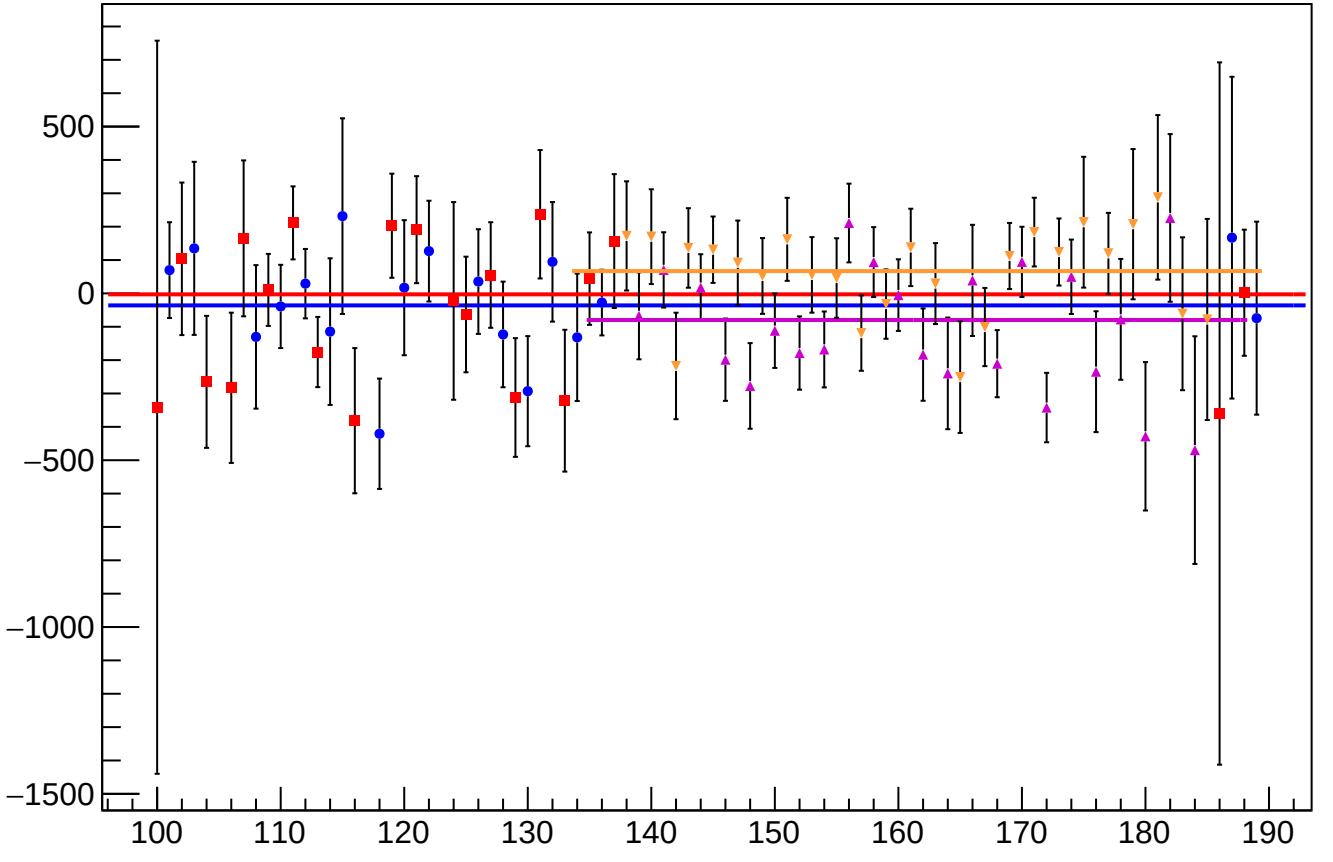
Left In: 787.390+/-0.132 χ^2/NDF:1041390.9/22

+ sign 840.093+/-0.118 χ^2/NDF: 3668816.3/42

All: 840.650+/-0.084 χ^2/NDF: 8038886.7/86

- sign 841.220+/-0.119 χ^2/NDF: 4370025.3/43

eigen_dit_asym_sam_3748_avg_mean vs Slug



Right In: -35.959+/-38.518 χ^2/NDF: 13.1/17

Left Out: 66.898+/-25.584 χ^2/NDF:19.6/24

Right Out: -2.838+/-37.386 χ^2/NDF: 24.9/20

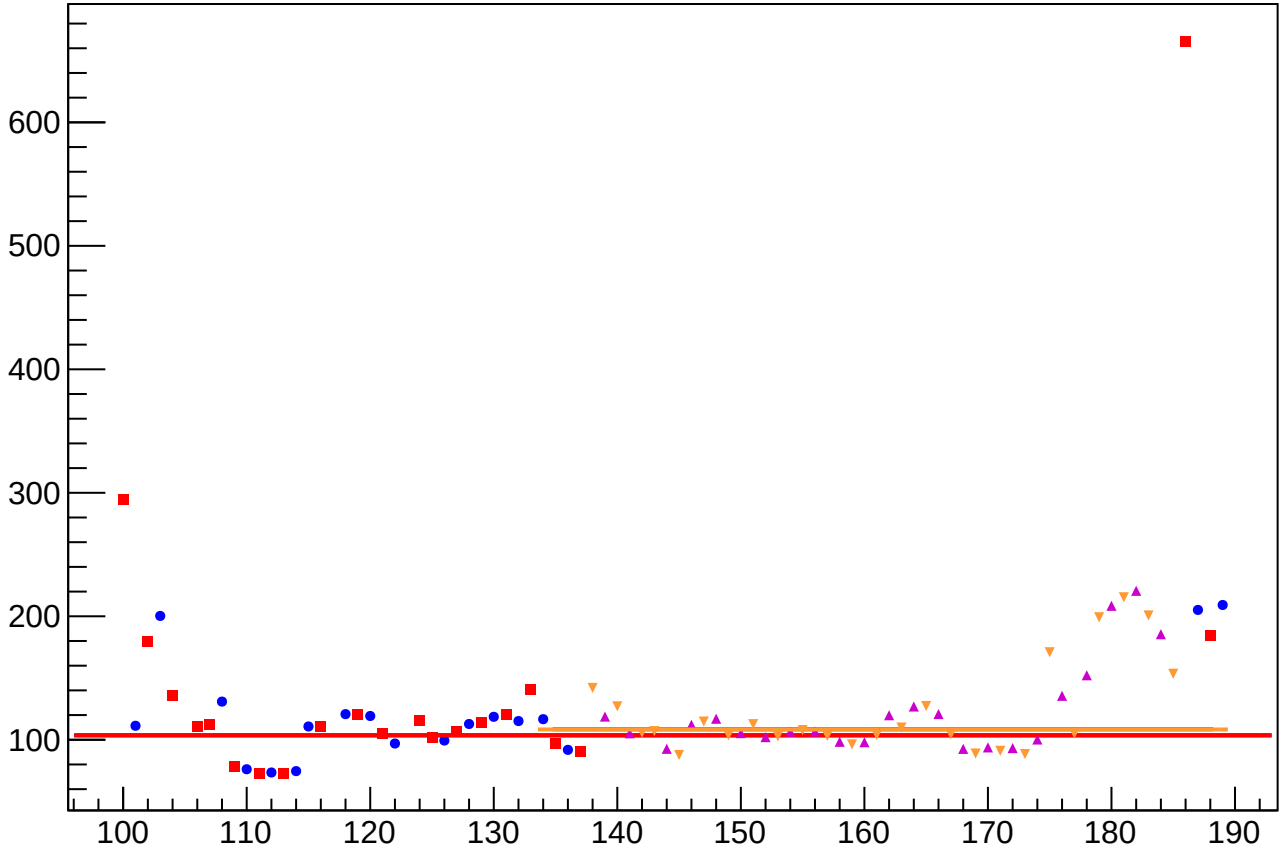
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 35.411+/-21.311 χ^2/NDF: 37.6/42

All: -9.028+/-15.139 χ^2/NDF: 111.0/86

- sign -54.301+/-21.510 χ^2/NDF: 64.6/43

eigen_dit_asym_sam_3748_avg_rms vs Slug



Right In: 103.612+/-0.027 χ^2/NDF: 1079708.2/17

Left Out: 108.330+/-0.018 χ^2/NDF:1774594.6/24

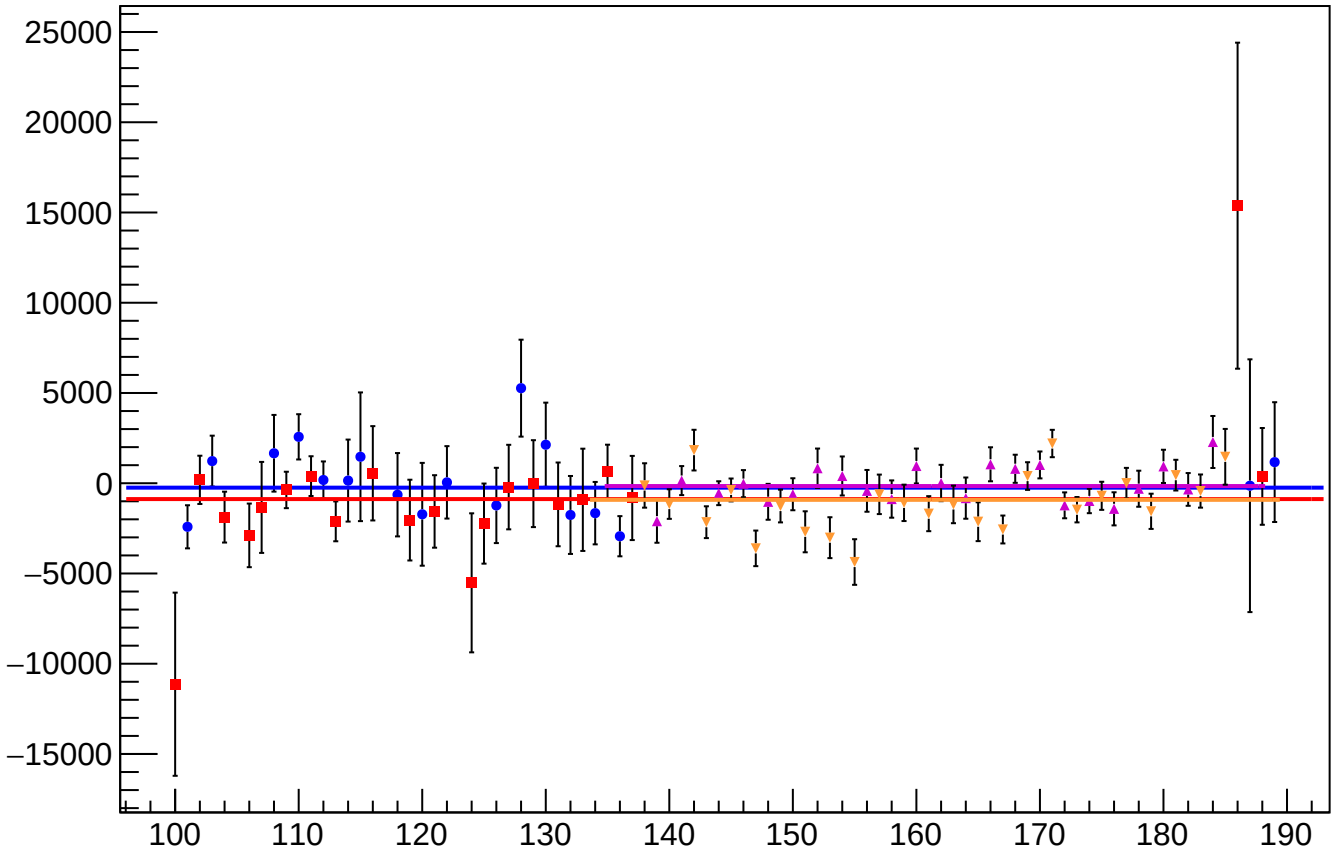
Right Out: 103.577+/-0.026 χ^2/NDF: 1837421.9/20

Left In: 108.493+/-0.019 χ^2/NDF:1379379.3/22

+ sign 106.886+/-0.015 χ^2/NDF: 2875125.6/42

All: 106.876+/-0.011 χ^2/NDF: 6115063.8/86

- sign 106.865+/-0.015 χ^2/NDF: 3239937.3/43



Right In: -245.151+/-413.085 χ^2/NDF: 23.6/17

Left Out: -918.734+/-182.461 χ^2/NDF:64.1/24

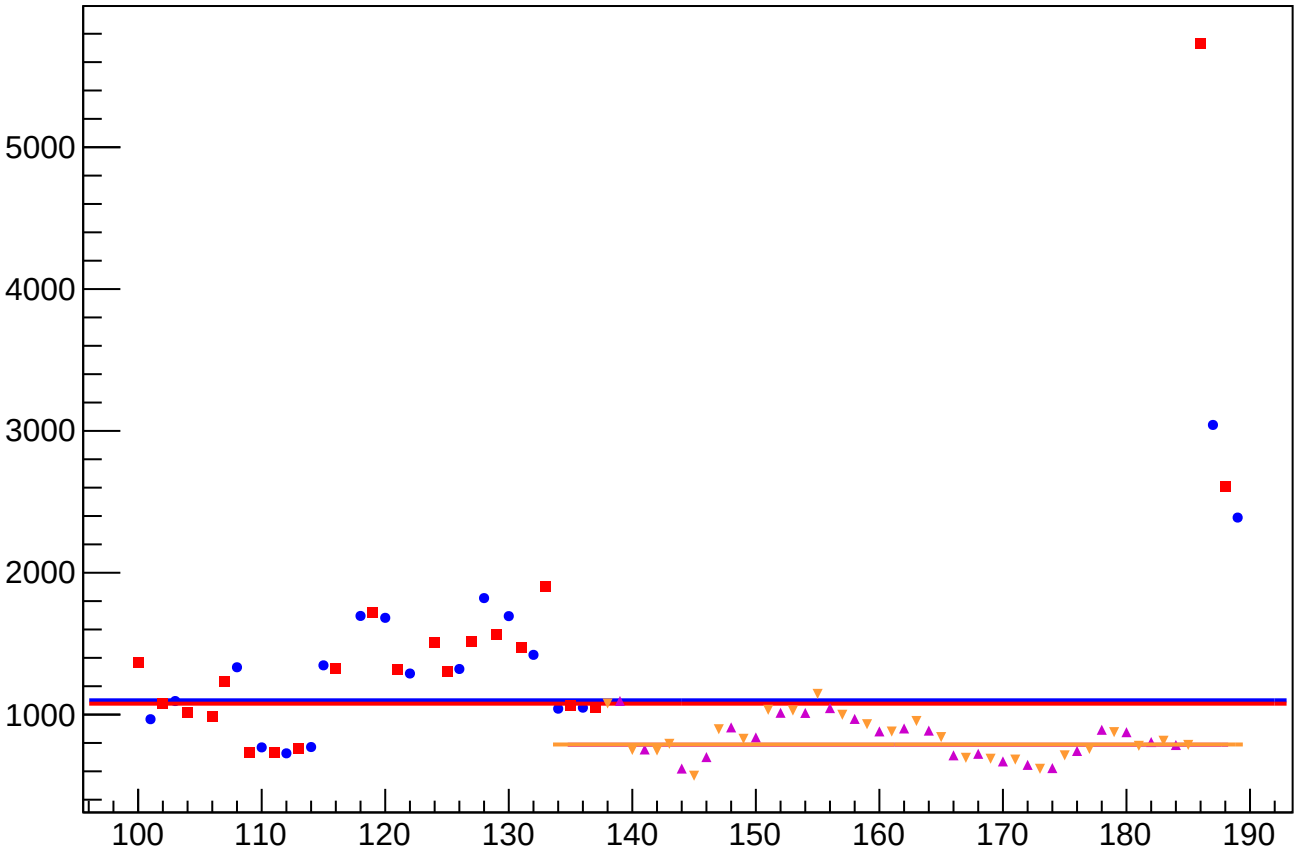
Right Out: -877.995+/-391.607 χ^2/NDF: 16.6/20

Left In: -155.873+/-187.115 χ^2/NDF:23.1/22

+ sign -808.771+/-166.904 χ^2/NDF: 90.0/42

All: -552.411+/-118.695 χ^2/NDF: 137.2/86

- sign -290.094+/-168.833 χ^2/NDF: 42.5/43



Right In: 1100.689+/-0.292 χ^2/NDF: 1540765.2/17

Left Out: 789.248+/-0.129 χ^2/NDF:1176801.9/24

Right Out: 1076.999+/-0.277 χ^2/NDF: 2438104.2/20

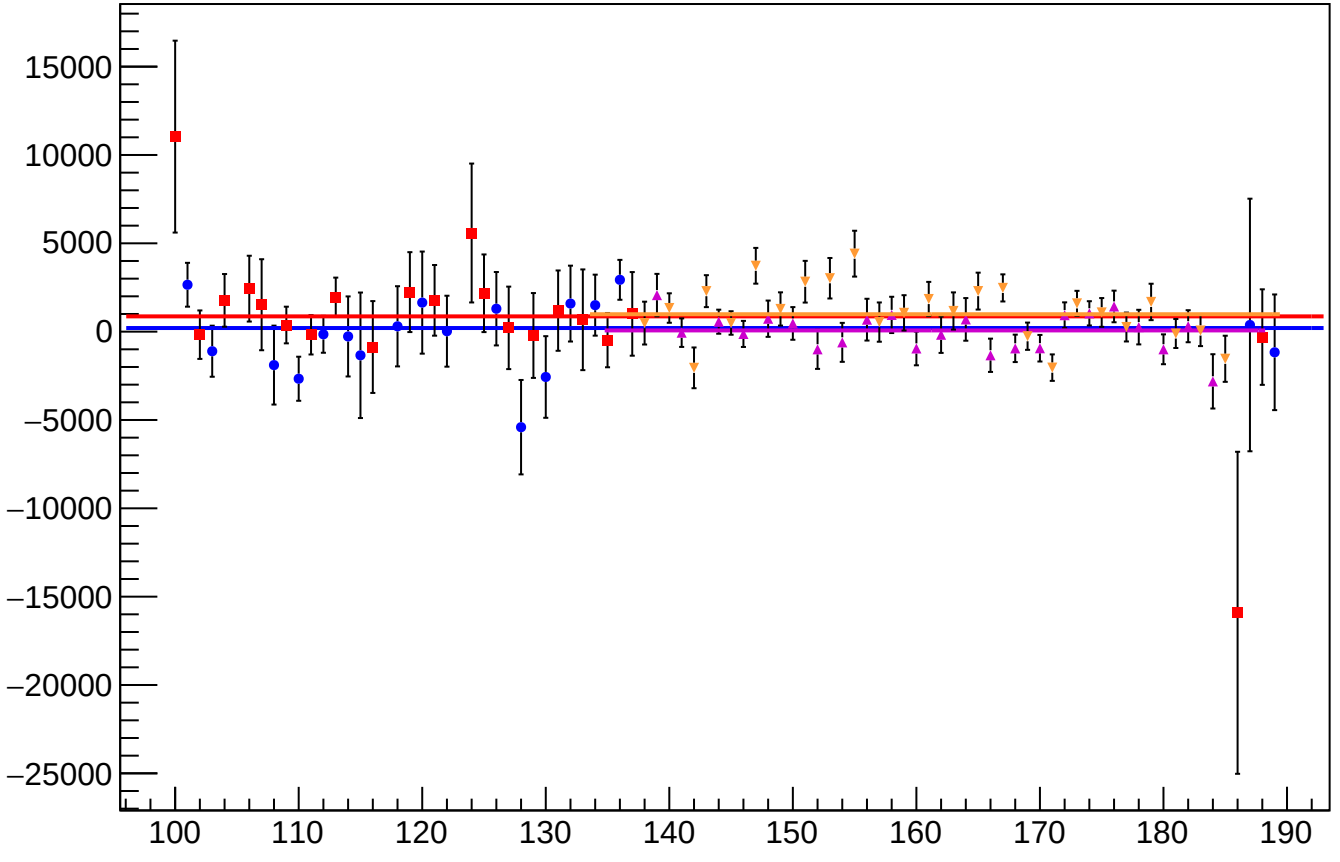
Left In: 787.388+/-0.132 χ^2/NDF:1041391.2/22

+ sign 840.091+/-0.118 χ^2/NDF: 3668824.6/42

All: 840.648+/-0.084 χ^2/NDF: 8038897.4/86

- sign 841.218+/-0.119 χ^2/NDF: 4370027.8/43

asym_sam_3748_avg_mean vs Slug



Right In: 205.302+/-417.664 χ^2/NDF: 24.6/17

Left Out: 985.656+/-183.601 χ^2/NDF:63.7/24

Right Out: 864.774+/-398.315 χ^2/NDF: 14.8/20

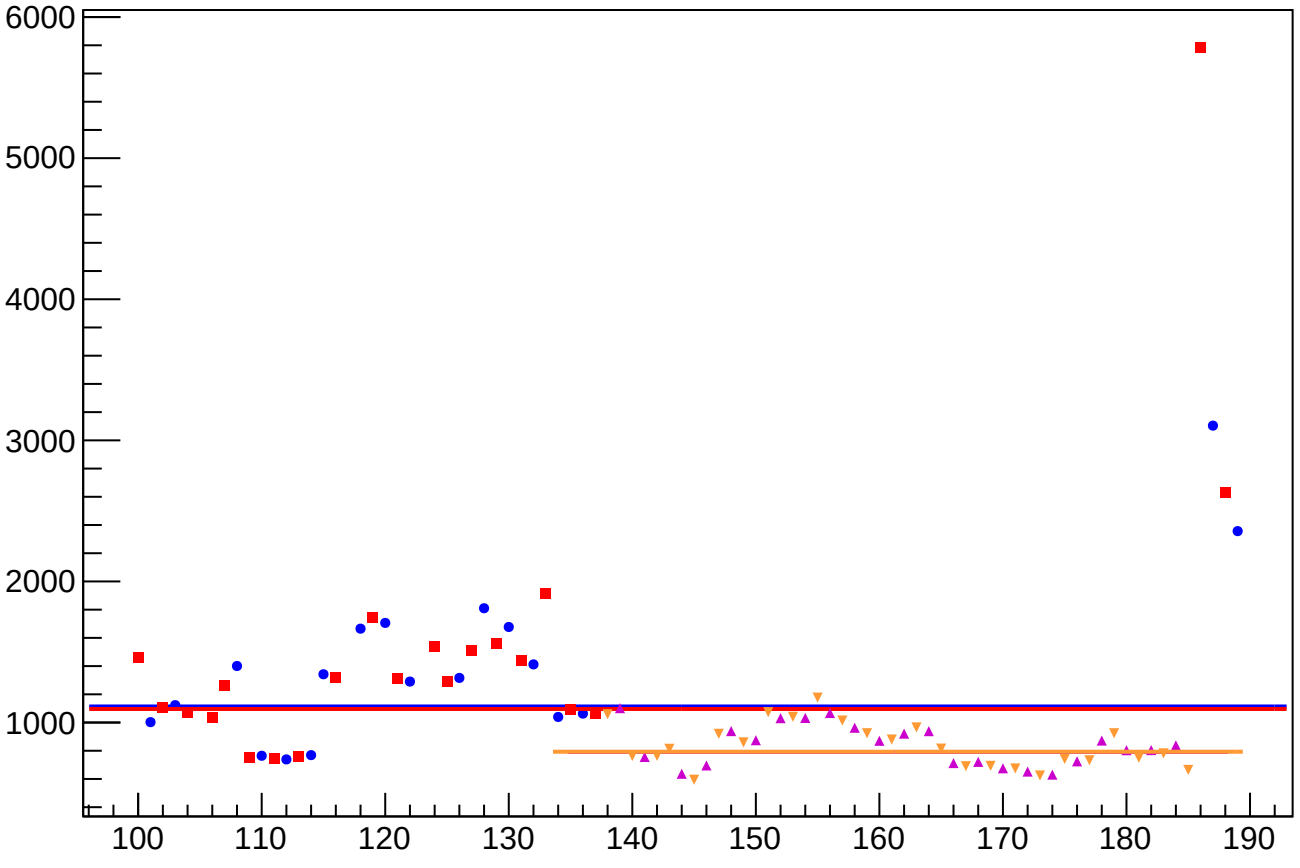
Left In: 70.089+/-188.036 χ^2/NDF:24.4/22

+ sign 859.281+/-168.078 χ^2/NDF: 91.3/42

All: 540.838+/-119.537 χ^2/NDF: 141.0/86

- sign 214.915+/-170.040 χ^2/NDF: 42.5/43

asym_sam_3748_avg_rms vs Slug



Right In: 1113.709+/-0.295 χ^2/NDF: 1499434.1/17

Left Out: 793.051+/-0.130 χ^2/NDF:1193972.3/24

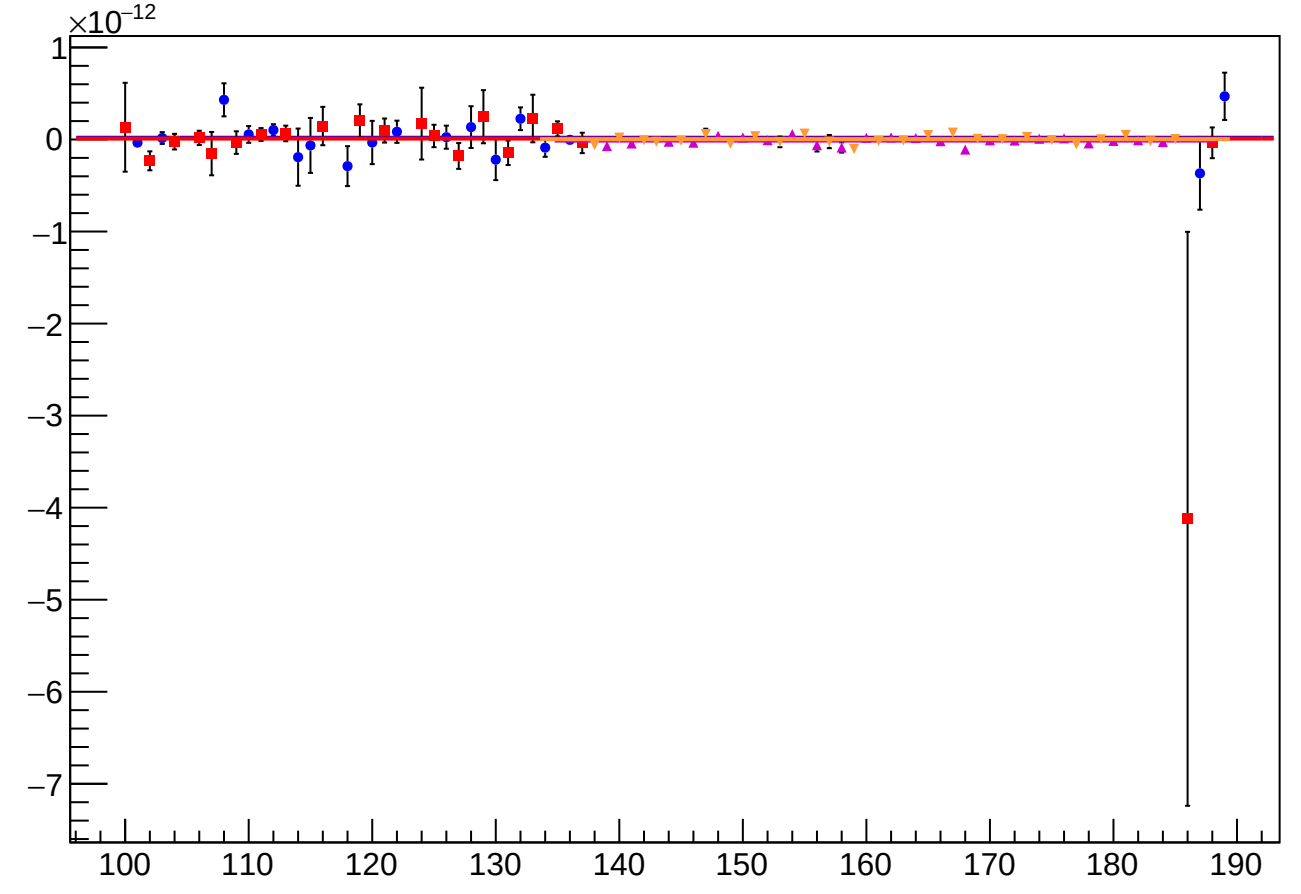
Right Out: 1096.147+/-0.282 χ^2/NDF: 2392295.8/20

Left In: 791.155+/-0.133 χ^2/NDF:1049107.7/22

\+ sign 844.980+/-0.119 χ^2/NDF: 3681349.5/42

All: 845.849+/-0.085 χ^2/NDF: 8081768.9/86

\- sign 846.738+/-0.120 χ^2/NDF: 4400311.3/43



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:34.0/24

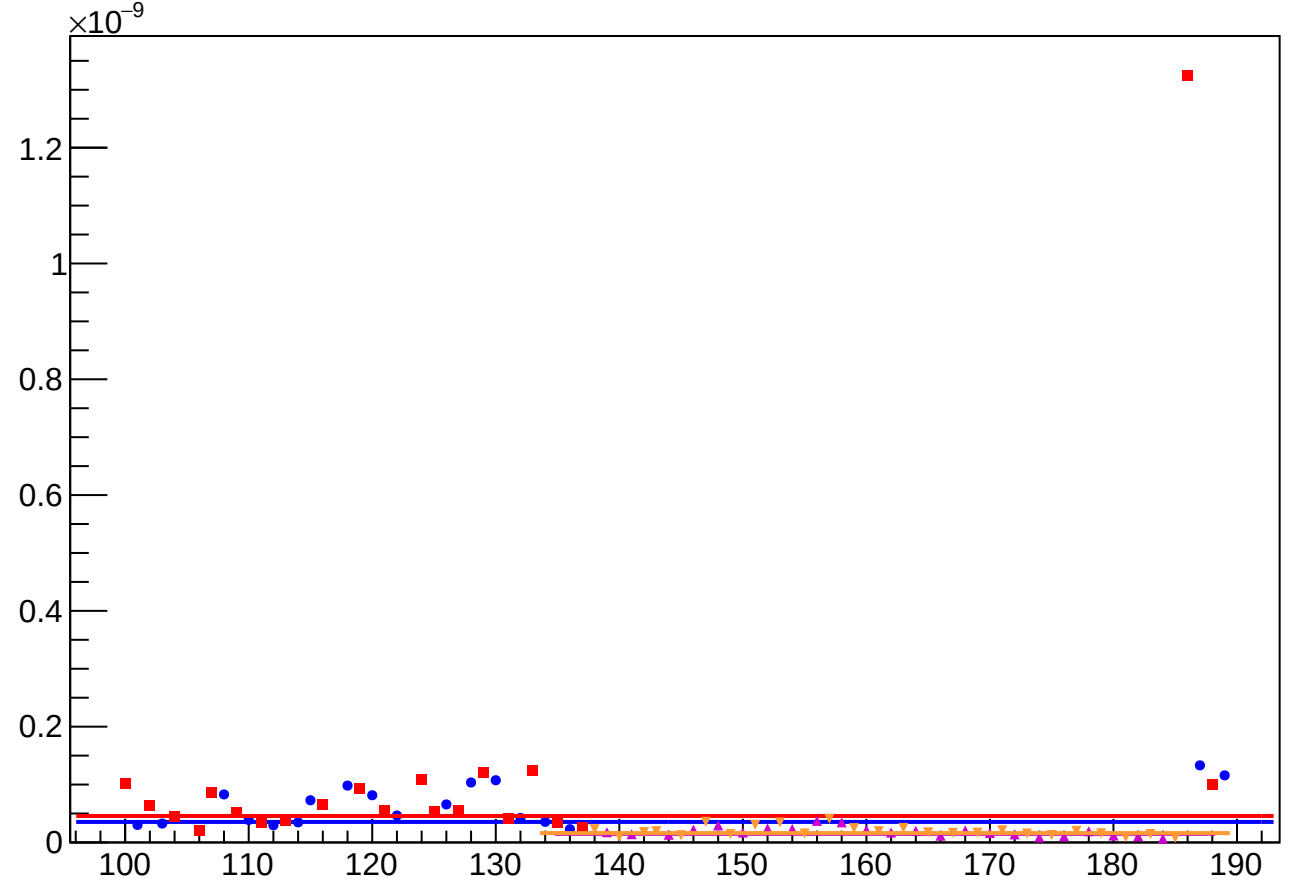
Right Out: 0.000+/-0.000 χ^2/NDF: 17.7/20

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 55.4/42

All: -0.000+/-0.000 χ^2/NDF: 102.2/86

- sign -0.000+/-0.000 χ^2/NDF: 43.6/43



Right In: 0.000+/-0.000 χ^2/NDF: 1510668.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:1725685.8/24

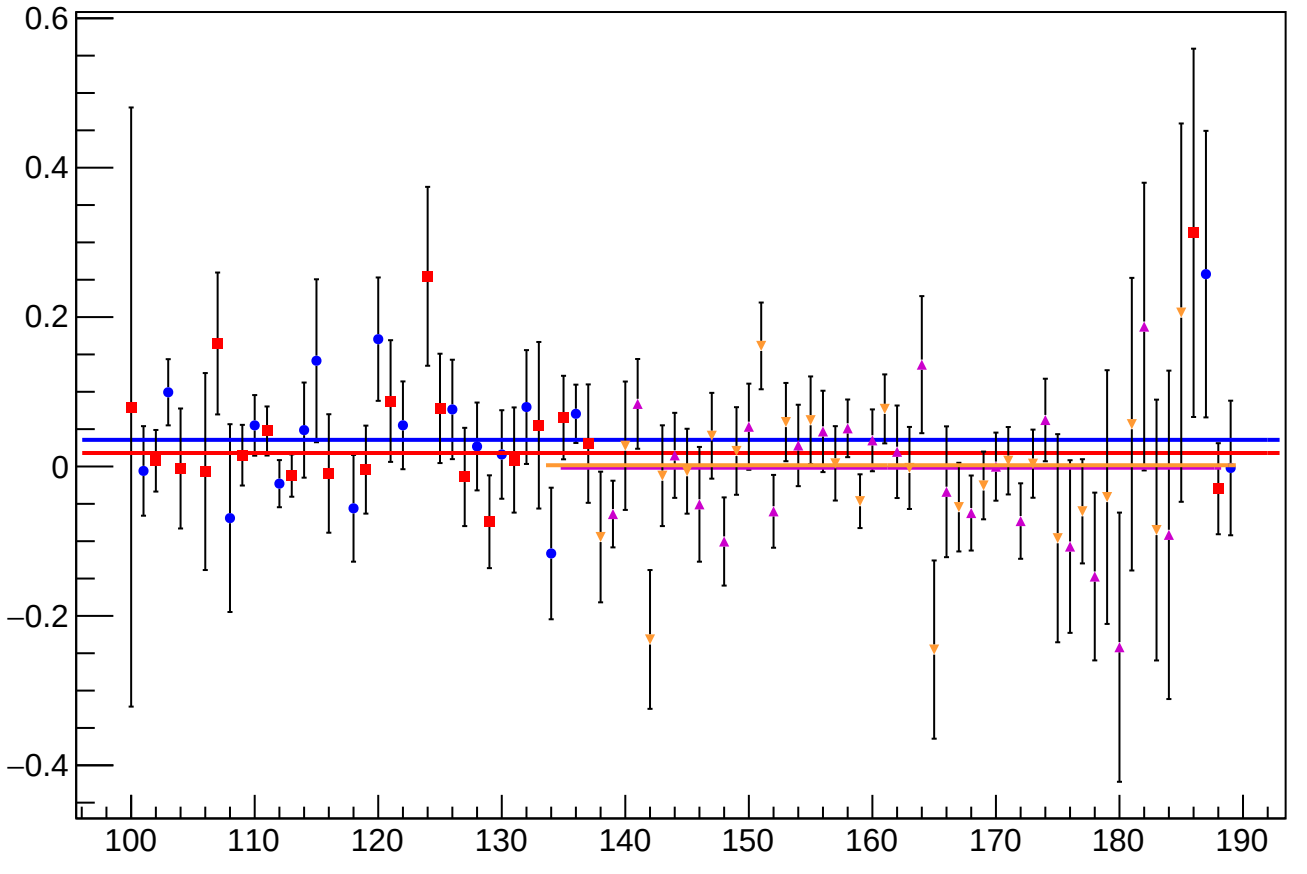
Right Out: 0.000+/-0.000 χ^2/NDF: 1627289.3/20

Left In: 0.000+/-0.000 χ^2/NDF:1661952.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 4681128.9/42

All: 0.000+/-0.000 χ^2/NDF: 10561652.0/86

- sign 0.000+/-0.000 χ^2/NDF: 5843398.2/43



Right In: 0.036+/-0.014 χ^2/NDF: 18.5/17

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

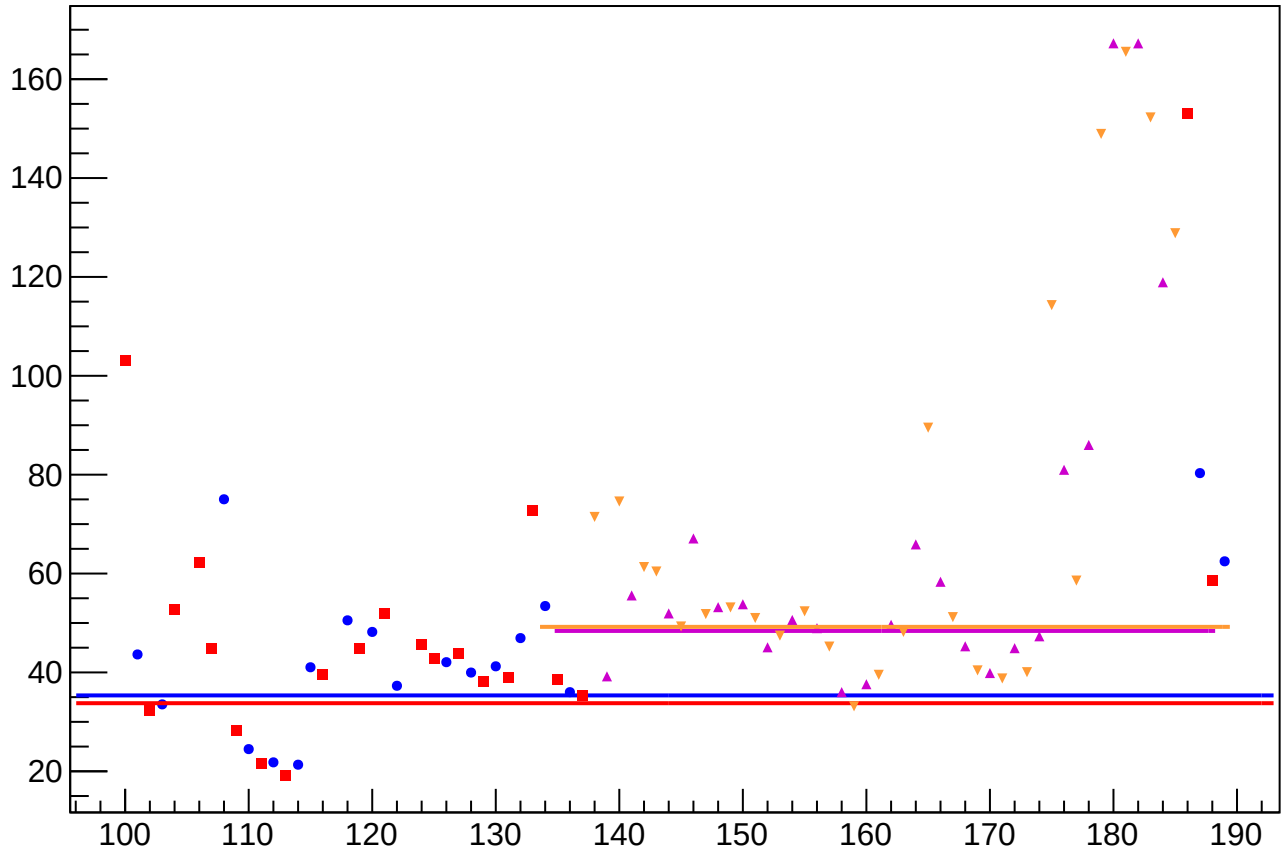
Right Out: 0.018+/-0.013 χ^2/NDF: 15.4/20

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.017+/-0.009 χ^2/NDF: 52.3/42

All: 0.012+/-0.006 χ^2/NDF: 95.5/86

- sign 0.008+/-0.009 χ^2/NDF: 42.7/43



Right In: 35.349+/-0.010 χ^2/NDF: 1470531.0/17

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

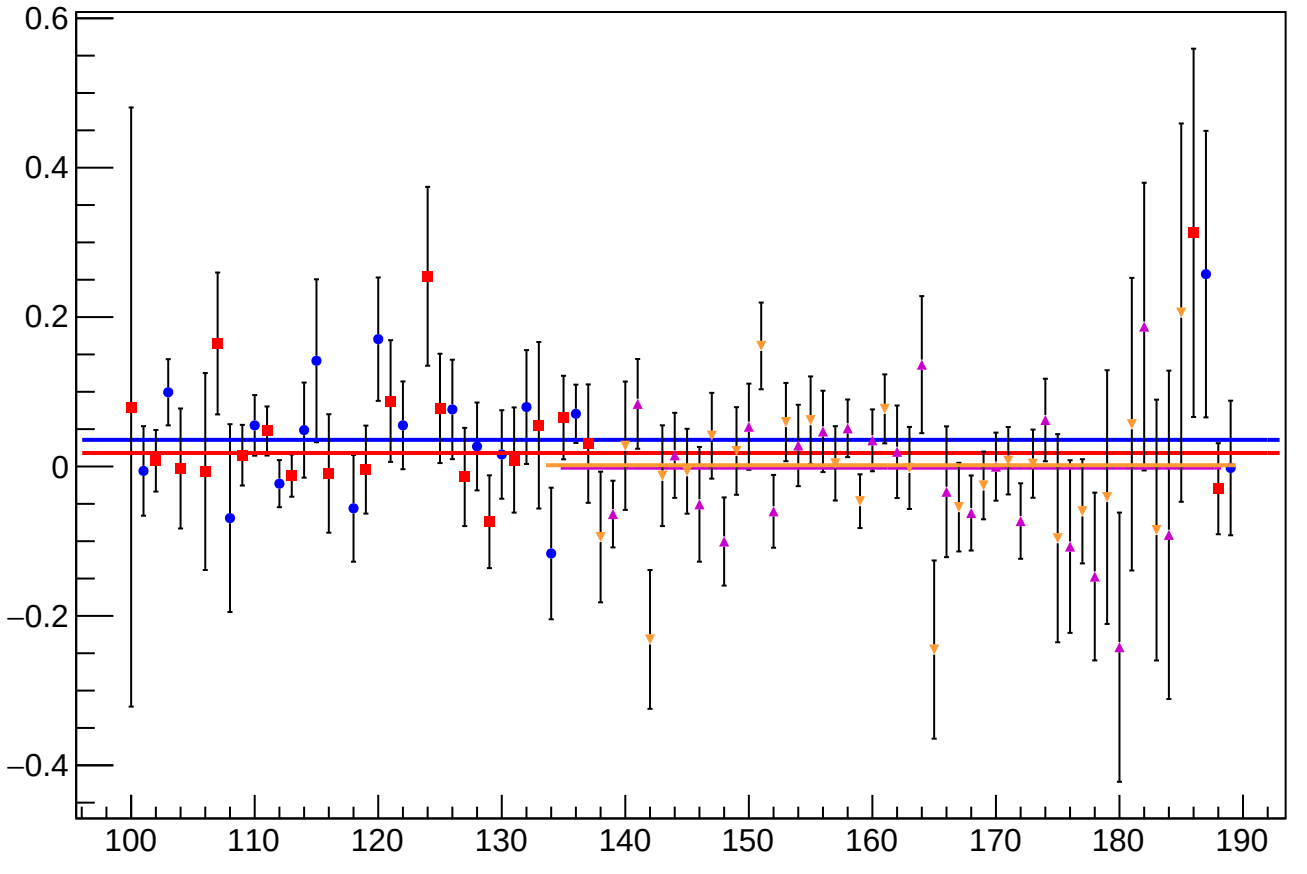
Right Out: 33.775+/-0.009 χ^2/NDF: 2498740.9/20

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

+ sign 43.025+/-0.006 χ^2/NDF: 6777579.3/42

All: 42.159+/-0.005 χ^2/NDF: 13691829.3/86

- sign 41.340+/-0.006 χ^2/NDF: 6879358.2/43



Right In: 0.036+/-0.014 χ^2/NDF: 18.5/17

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

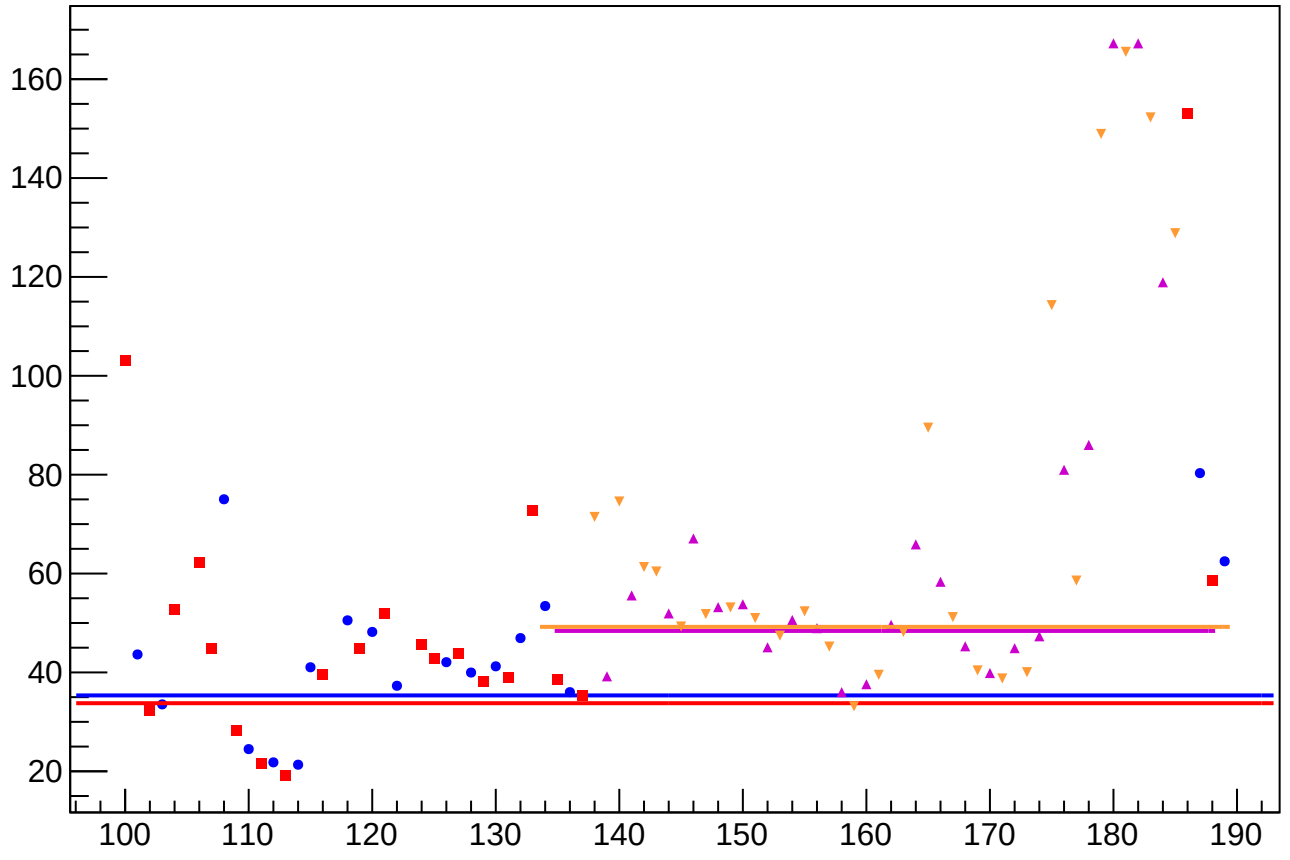
Right Out: 0.018+/-0.013 χ^2/NDF: 15.4/20

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.017+/-0.009 χ^2/NDF: 52.3/42

All: 0.012+/-0.006 χ^2/NDF: 95.5/86

- sign 0.008+/-0.009 χ^2/NDF: 42.7/43



Right In: 35.349+/-0.010 χ^2/NDF: 1470531.0/17

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

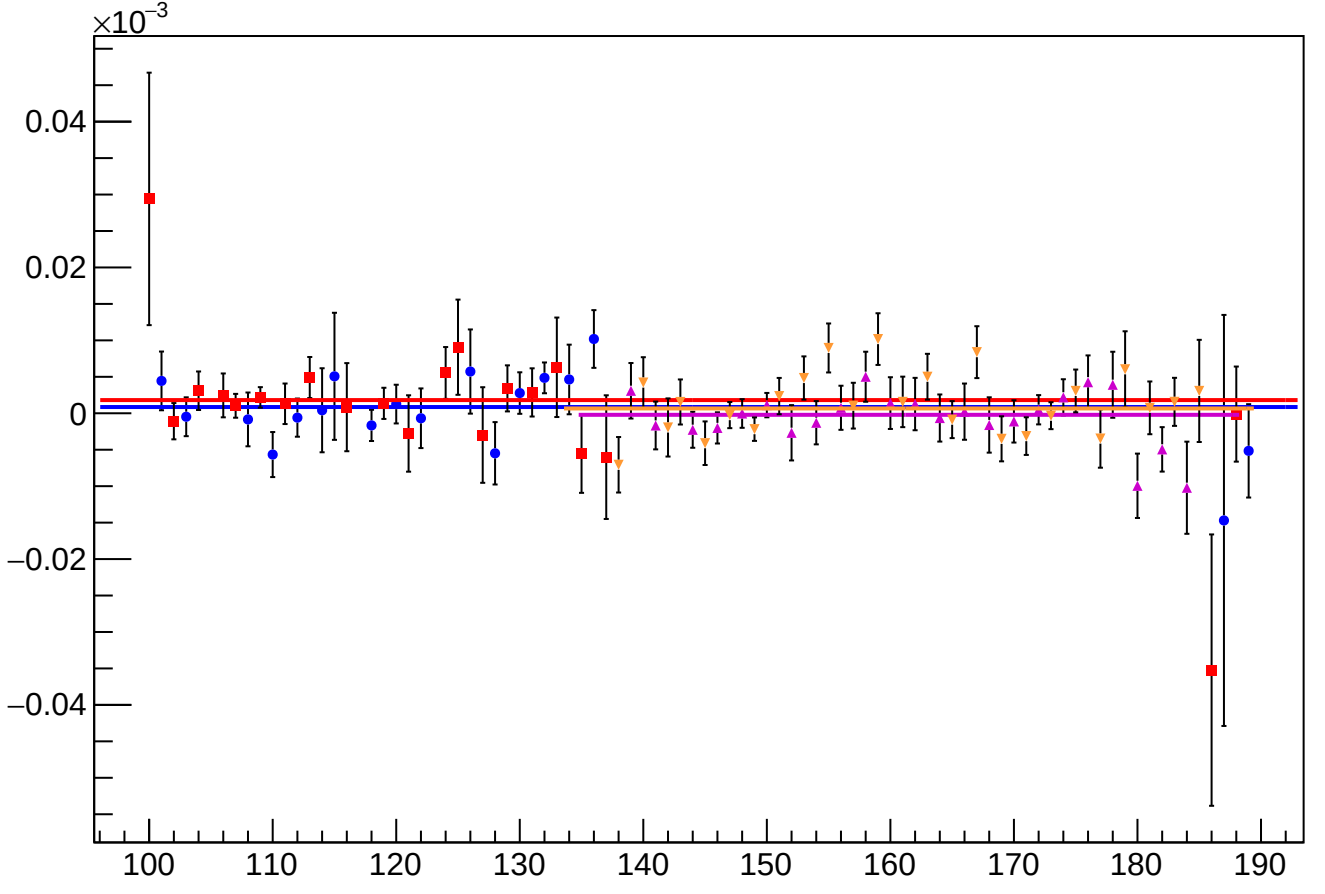
Right Out: 33.775+/-0.009 χ^2/NDF: 2498740.9/20

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

+ sign 43.025+/-0.006 χ^2/NDF: 6777579.3/42

All: 42.159+/-0.005 χ^2/NDF: 13691829.3/86

- sign 41.340+/-0.006 χ^2/NDF: 6879358.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 22.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:41.7/24

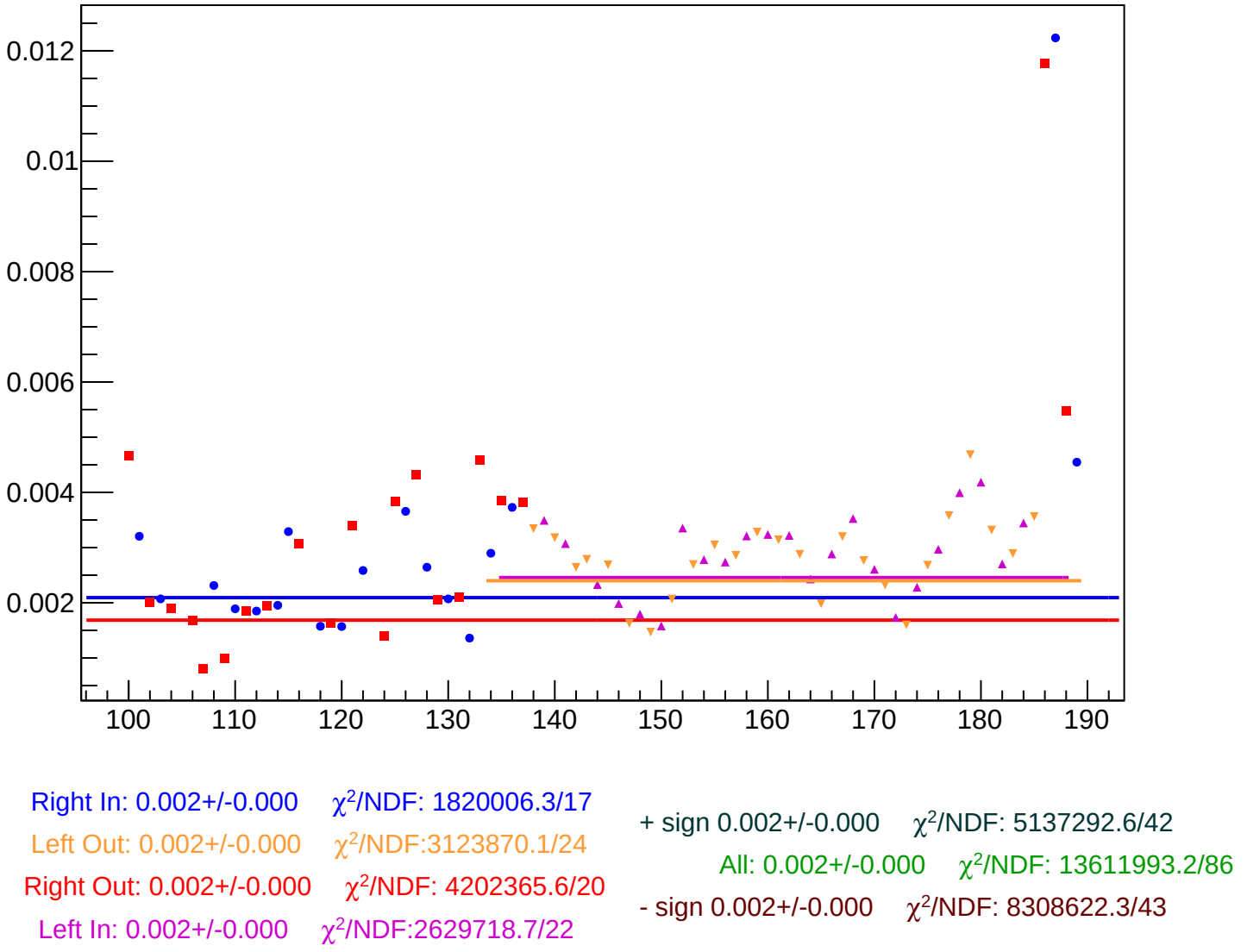
Right Out: 0.000+/-0.000 χ^2/NDF: 16.9/20

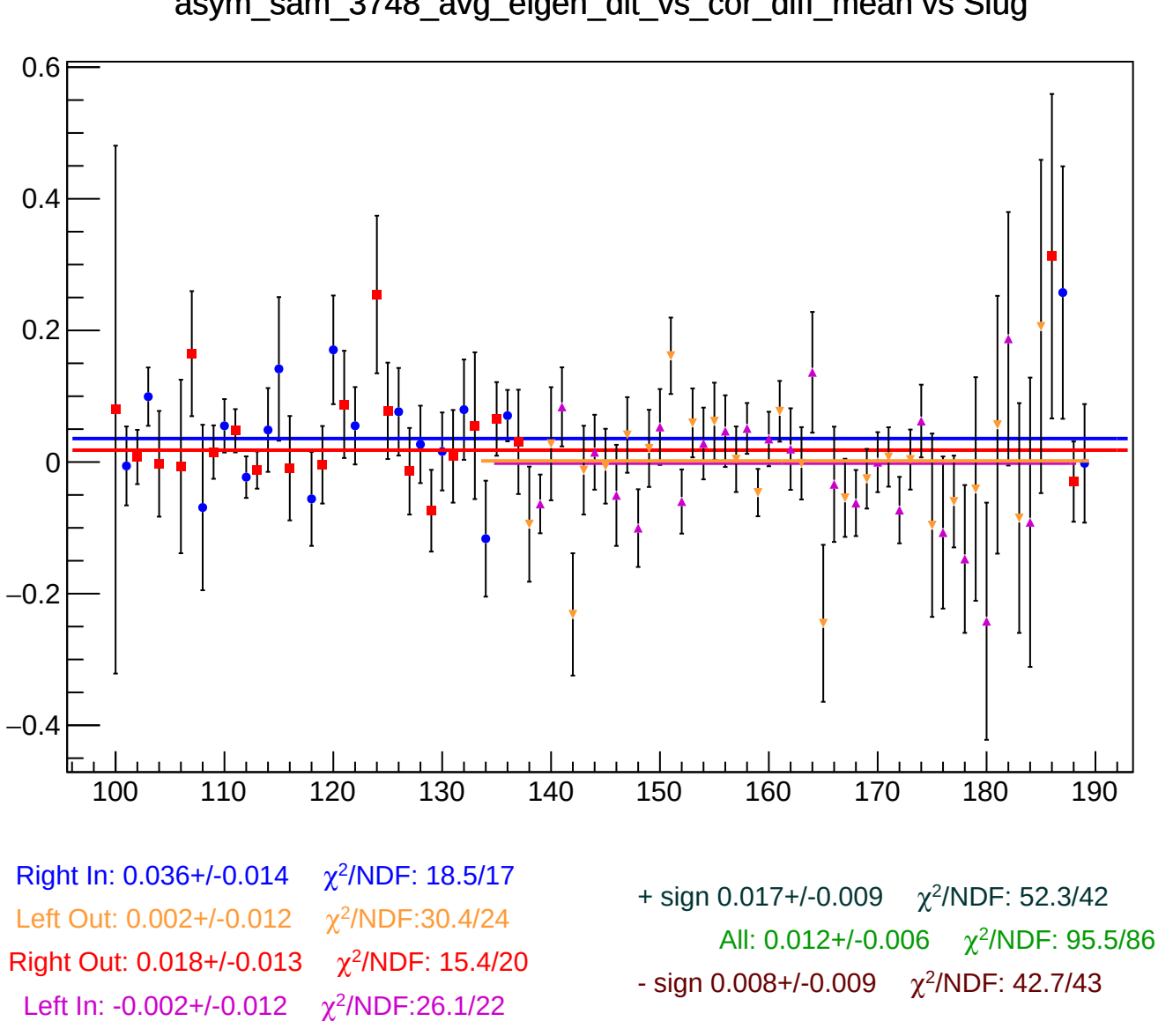
Left In: -0.000+/-0.000 χ^2/NDF:19.8/22

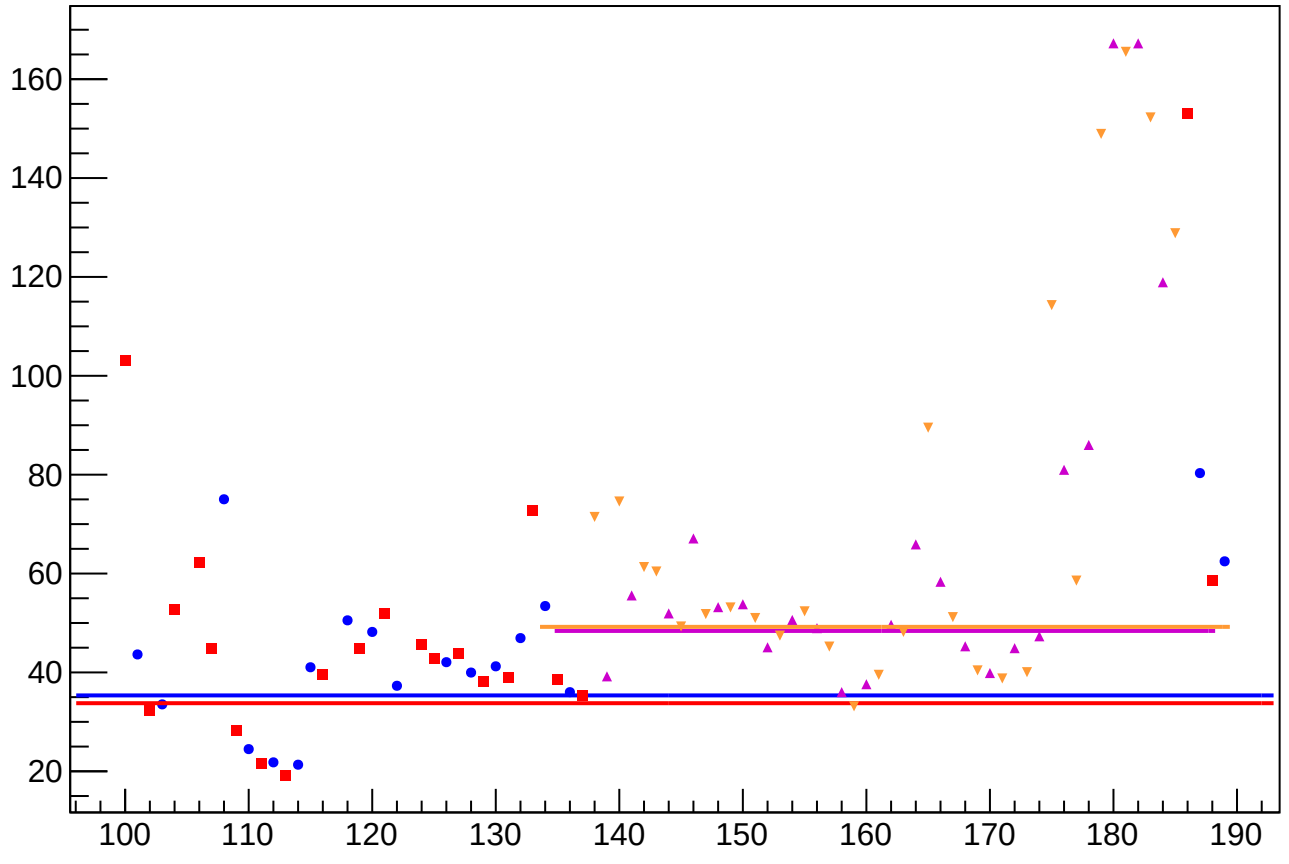
+ sign 0.000+/-0.000 χ^2/NDF: 63.8/42

All: 0.000+/-0.000 χ^2/NDF: 105.6/86

- sign 0.000+/-0.000 χ^2/NDF: 41.8/43


asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
180
190
Right In: 0.002+/-0.000 χ²/NDF: 1820006.3/17
Left Out: 0.002+/-0.000 χ²/NDF:3123870.1/24
Right Out: 0.002+/-0.000 χ²/NDF: 4202365.6/20
Left In: 0.002+/-0.000 χ²/NDF:2629718.7/22
+ sign 0.002+/-0.000 χ²/NDF: 5137292.6/42
All: 0.002+/-0.000 χ²/NDF: 13611993.2/86
- sign 0.002+/-0.000 χ²/NDF: 8308622.3/43


asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
180
190
Right In: 0.036+/-0.014 χ²/NDF: 18.5/17
Left Out: 0.002+/-0.012 χ²/NDF:30.4/24
Right Out: 0.018+/-0.013 χ²/NDF: 15.4/20
Left In: -0.002+/-0.012 χ²/NDF:26.1/22
+ sign 0.017+/-0.009 χ²/NDF: 52.3/42
All: 0.012+/-0.006 χ²/NDF: 95.5/86
- sign 0.008+/-0.009 χ²/NDF: 42.7/43



Right In: 35.349+/-0.010 χ^2/NDF: 1470475.8/17

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

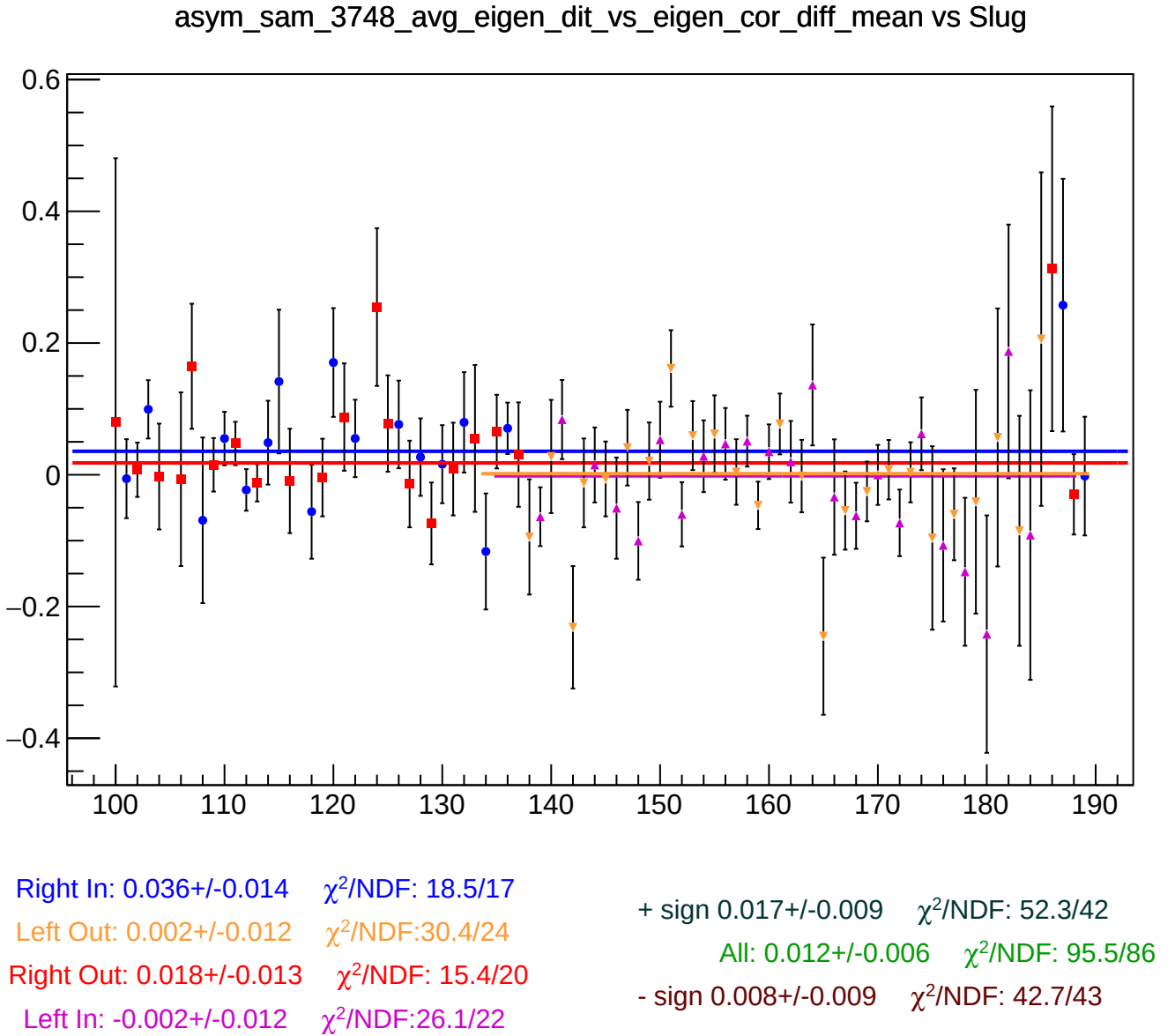
Right Out: 33.775+/-0.009 χ^2/NDF: 2498738.0/20

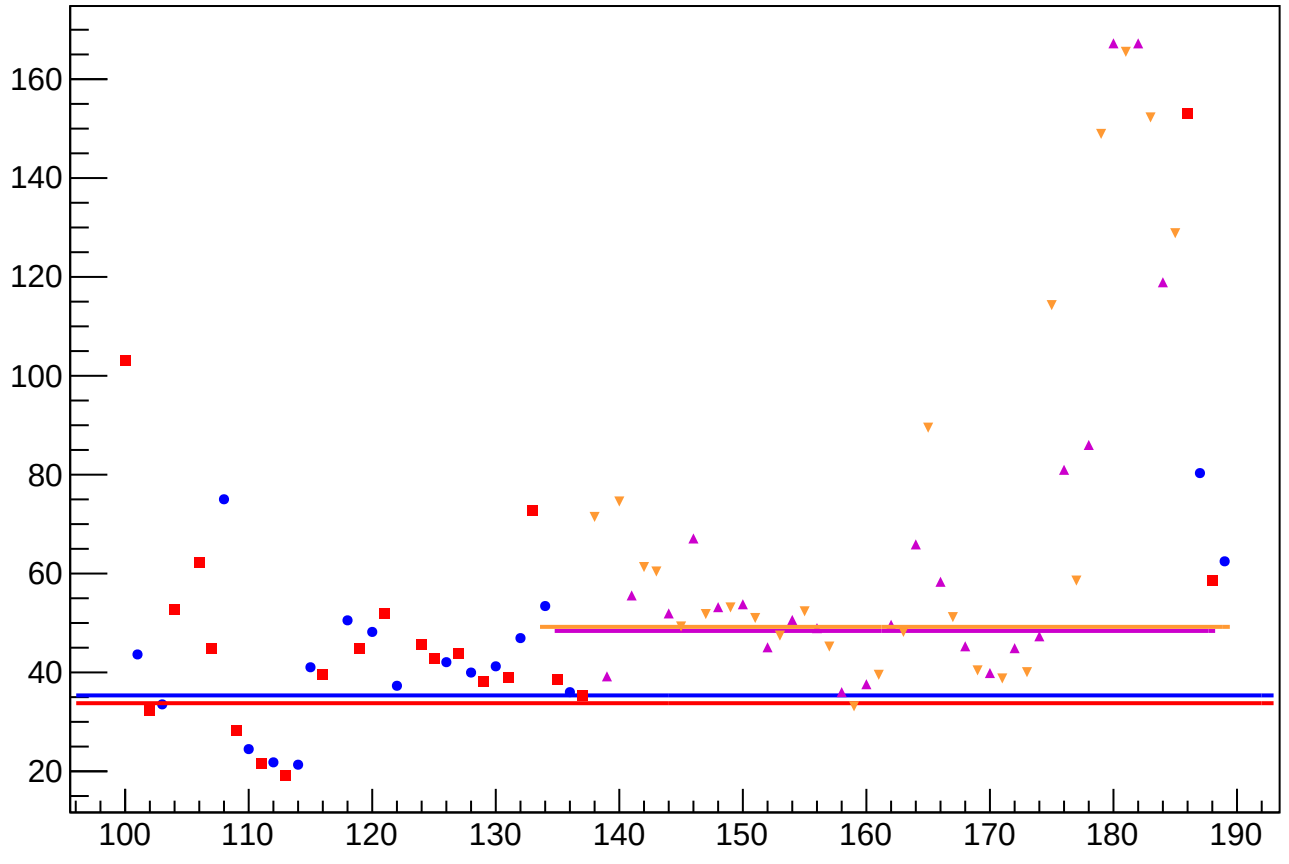
Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 43.026+/-0.006 χ^2/NDF: 6777513.9/42

All: 42.160+/-0.005 χ^2/NDF: 13691724.8/86

- sign 41.340+/-0.006 χ^2/NDF: 6879321.4/43


asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
180
190
Right In: 0.036+/-0.014 χ²/NDF: 18.5/17
Left Out: 0.002+/-0.012 χ²/NDF:30.4/24
Right Out: 0.018+/-0.013 χ²/NDF: 15.4/20
Left In: -0.002+/-0.012 χ²/NDF:26.1/22
+ sign 0.017+/-0.009 χ²/NDF: 52.3/42
All: 0.012+/-0.006 χ²/NDF: 95.5/86
- sign 0.008+/-0.009 χ²/NDF: 42.7/43



Right In: 35.349+/-0.010 χ^2/NDF: 1470475.8/17

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

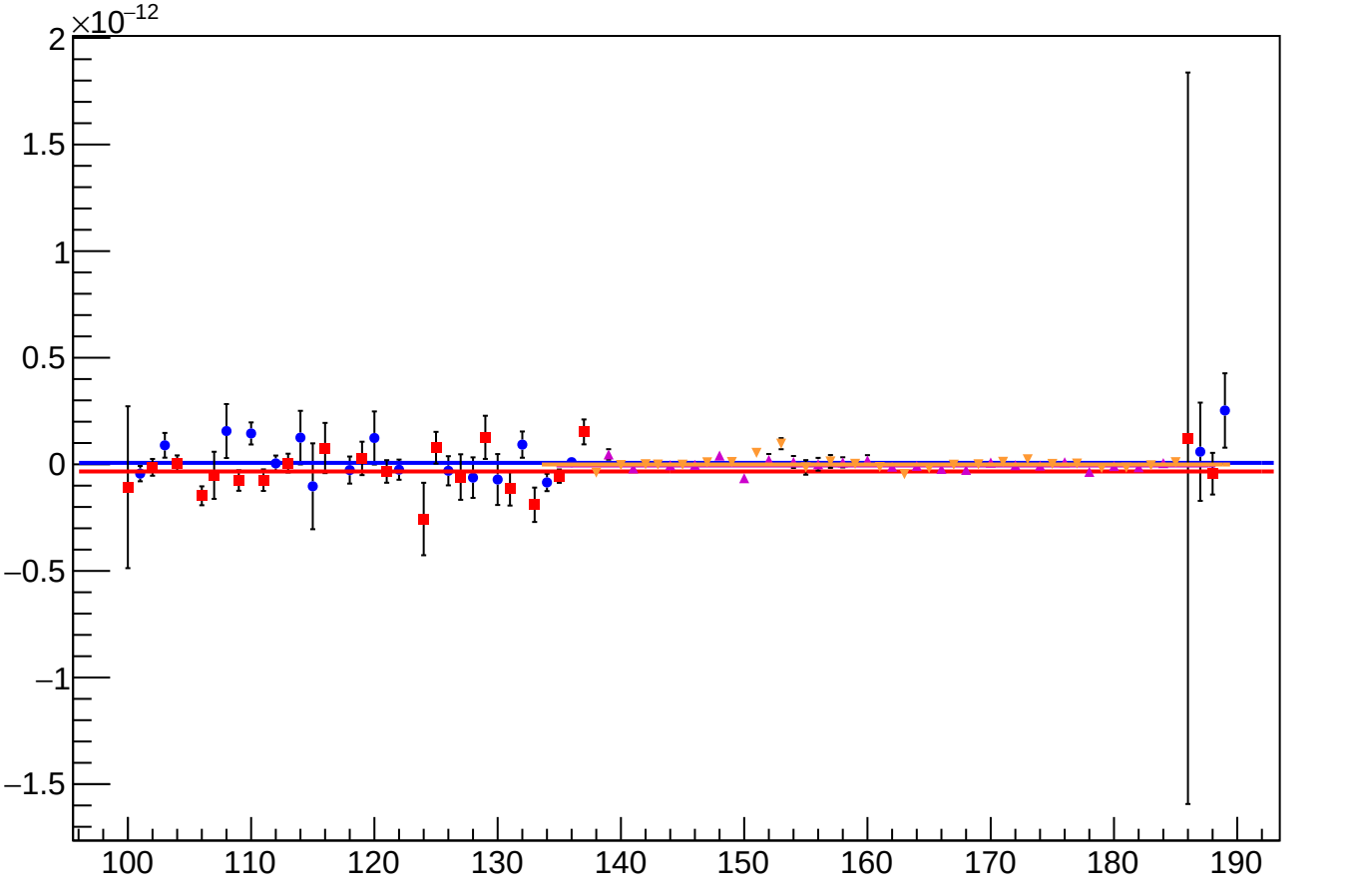
Right Out: 33.775+/-0.009 χ^2/NDF: 2498738.0/20

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 43.026+/-0.006 χ^2/NDF: 6777513.9/42

All: 42.160+/-0.005 χ^2/NDF: 13691724.8/86

- sign 41.340+/-0.006 χ^2/NDF: 6879321.4/43



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:37.0/24

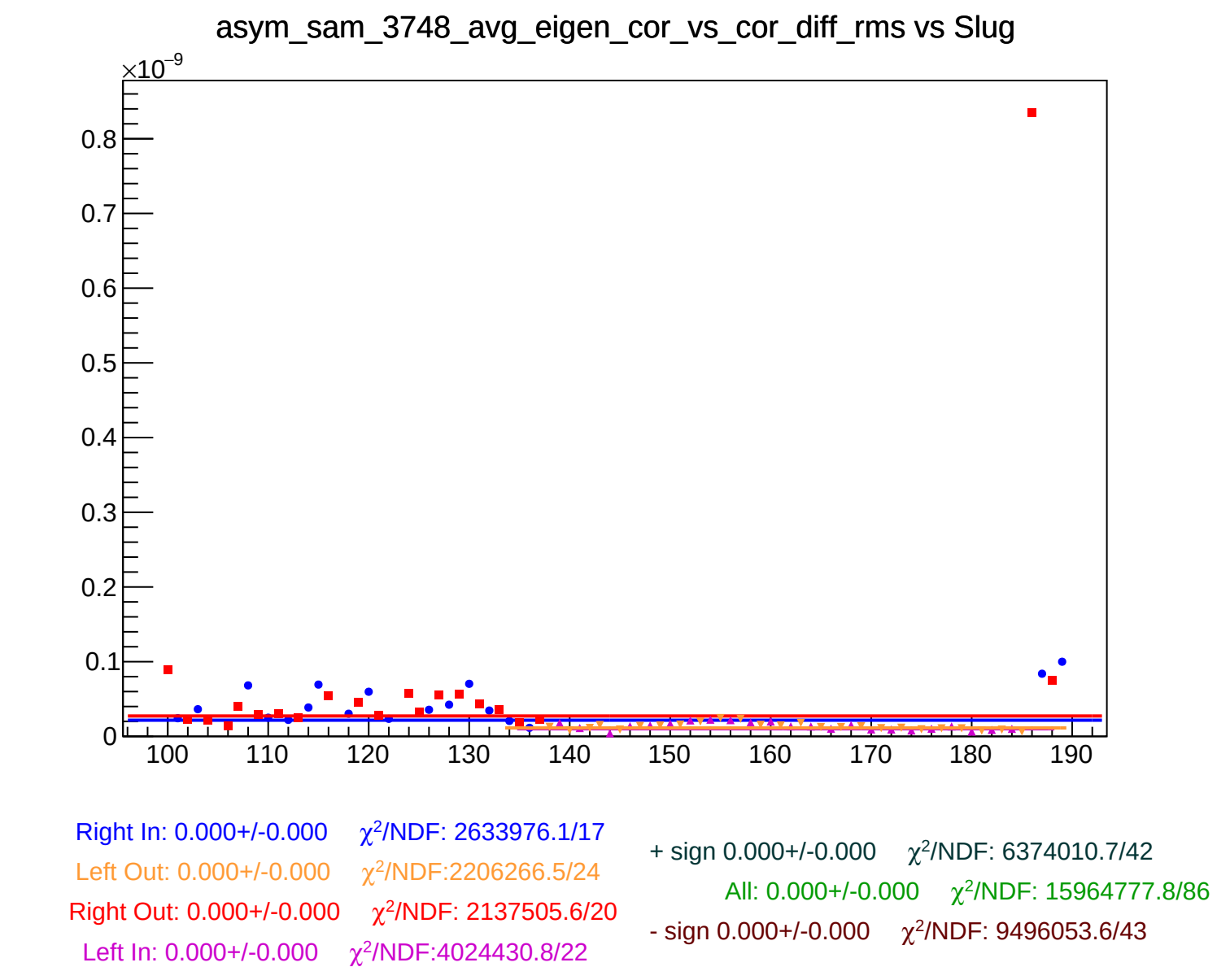
Right Out: -0.000+/-0.000 χ^2/NDF: 33.5/20

Left In: -0.000+/-0.000 χ^2/NDF:28.4/22

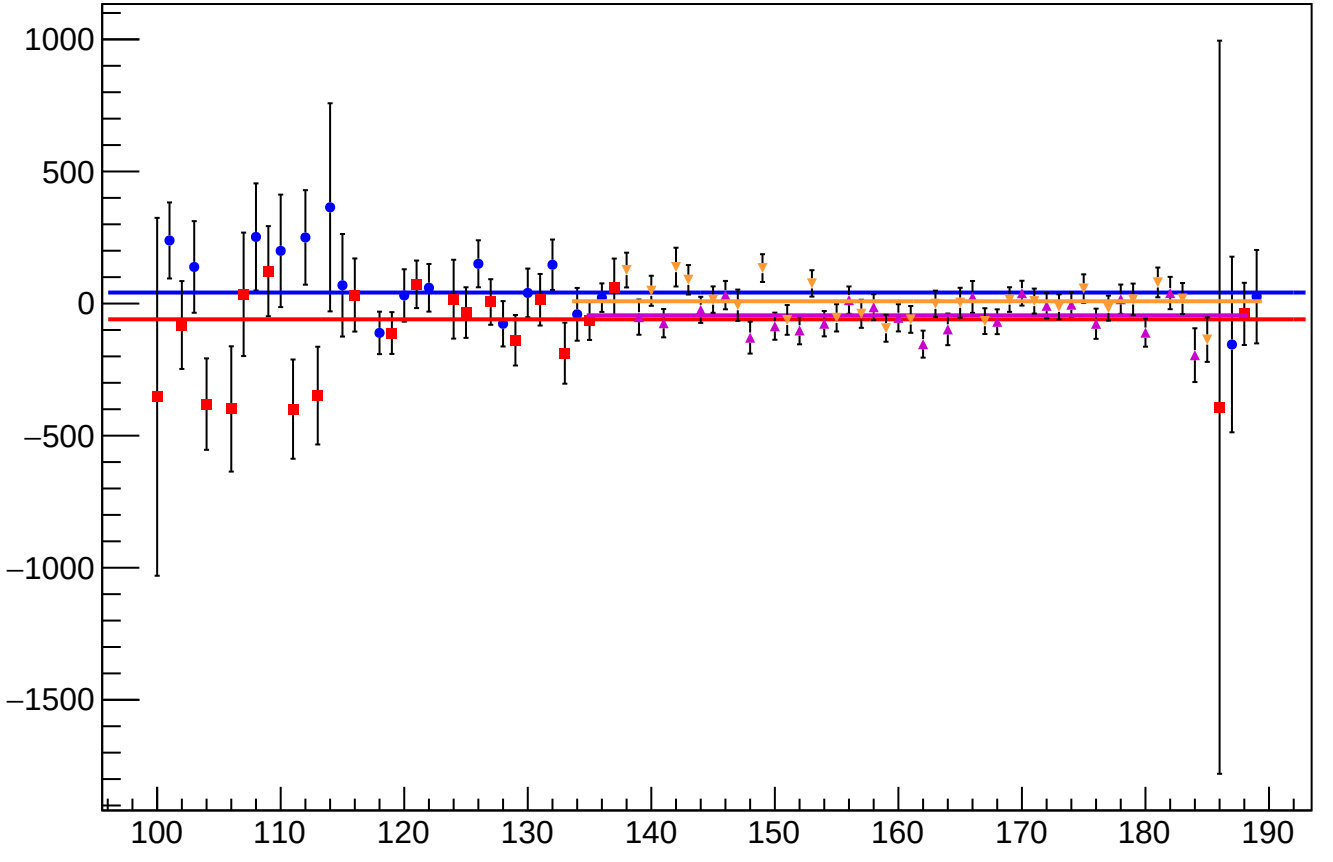
+ sign -0.000+/-0.000 χ^2/NDF: 63.0/42

All: -0.000+/-0.000 χ^2/NDF: 131.8/86

- sign -0.000+/-0.000 χ^2/NDF: 66.4/43


asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2633976.1/17
Left Out: 0.000+/-0.000 χ²/NDF:2206266.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 2137505.6/20
Left In: 0.000+/-0.000 χ²/NDF:4024430.8/22
+ sign 0.000+/-0.000 χ²/NDF: 6374010.7/42
All: 0.000+/-0.000 χ²/NDF: 15964777.8/86
- sign 0.000+/-0.000 χ²/NDF: 9496053.6/43

reg_asym_sam_1526_avg_mean vs Slug



Right In: 41.731+/-25.436 χ^2/NDF: 15.3/17

Left Out: 8.756+/-10.770 χ^2/NDF:34.6/24

Right Out: -59.636+/-26.214 χ^2/NDF: 20.5/20

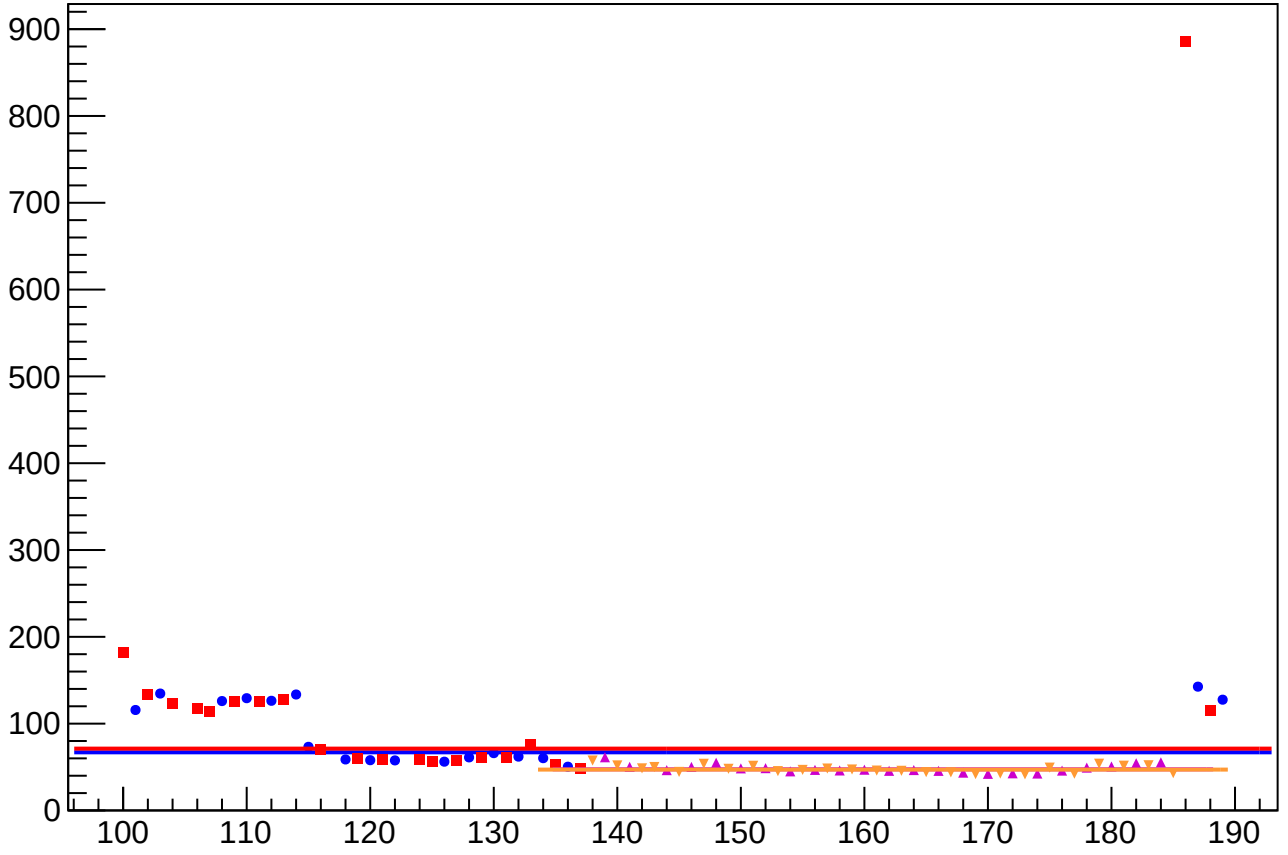
Left In: -44.541+/-11.149 χ^2/NDF:27.0/22

+ sign 13.768+/-9.917 χ^2/NDF: 51.3/42

All: -15.515+/-7.130 χ^2/NDF: 117.2/86

- sign -46.853+/-10.259 χ^2/NDF: 47.8/43

reg_asym_sam_1526_avg_rms vs Slug



Right In: 66.957+/-0.018 χ^2/NDF: 1794470.9/17

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

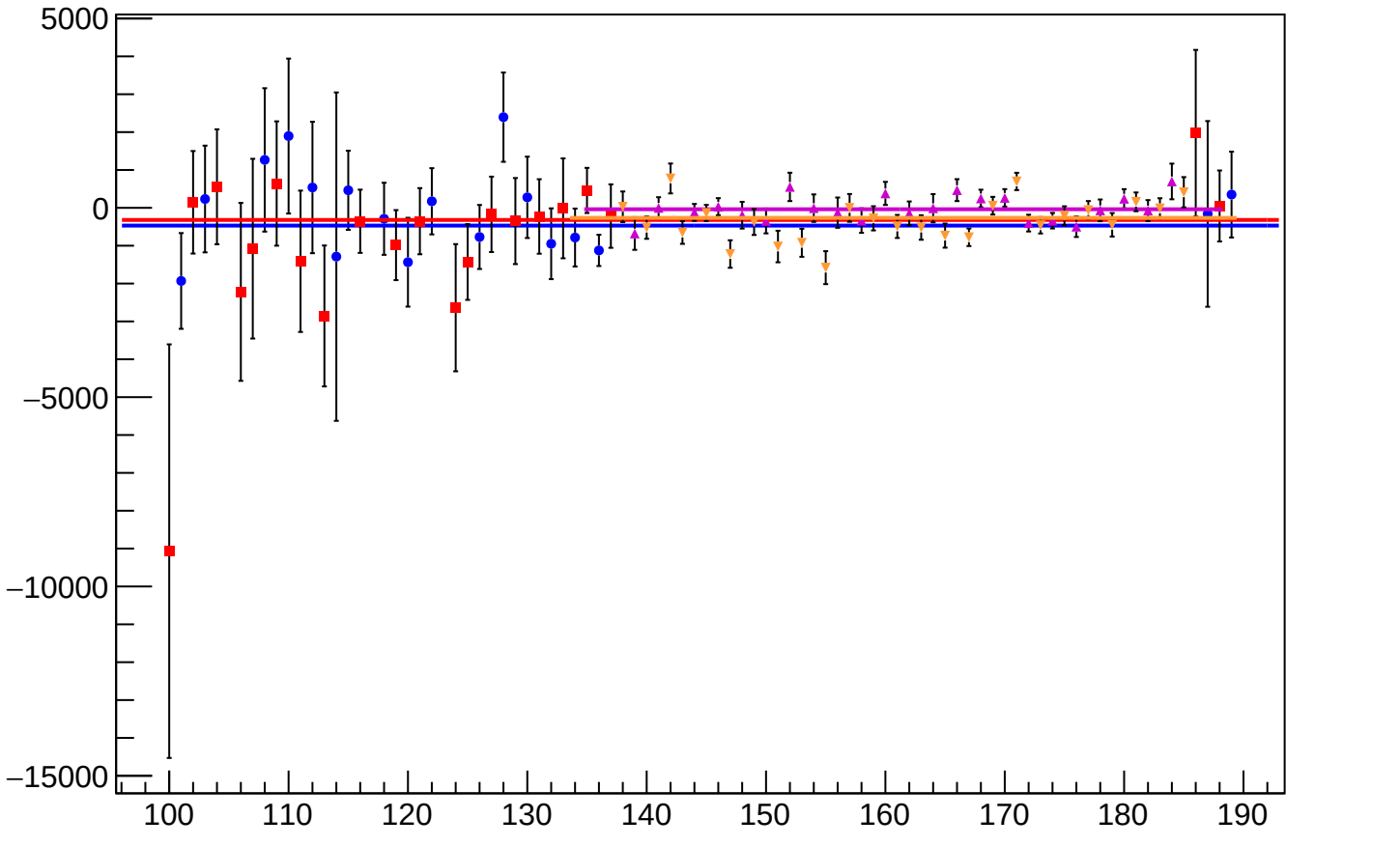
Right Out: 71.231+/-0.019 χ^2/NDF: 2620829.2/20

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 50.088+/-0.007 χ^2/NDF: 3119351.0/42

All: 50.546+/-0.005 χ^2/NDF: 7421662.6/86

- sign 51.036+/-0.007 χ^2/NDF: 4293480.7/43



Right In: -469.270+/-230.905 χ^2/NDF: 16.2/17

Left Out: -265.684+/-58.031 χ^2/NDF:69.8/24

Right Out: -320.191+/-245.778 χ^2/NDF: 13.0/20

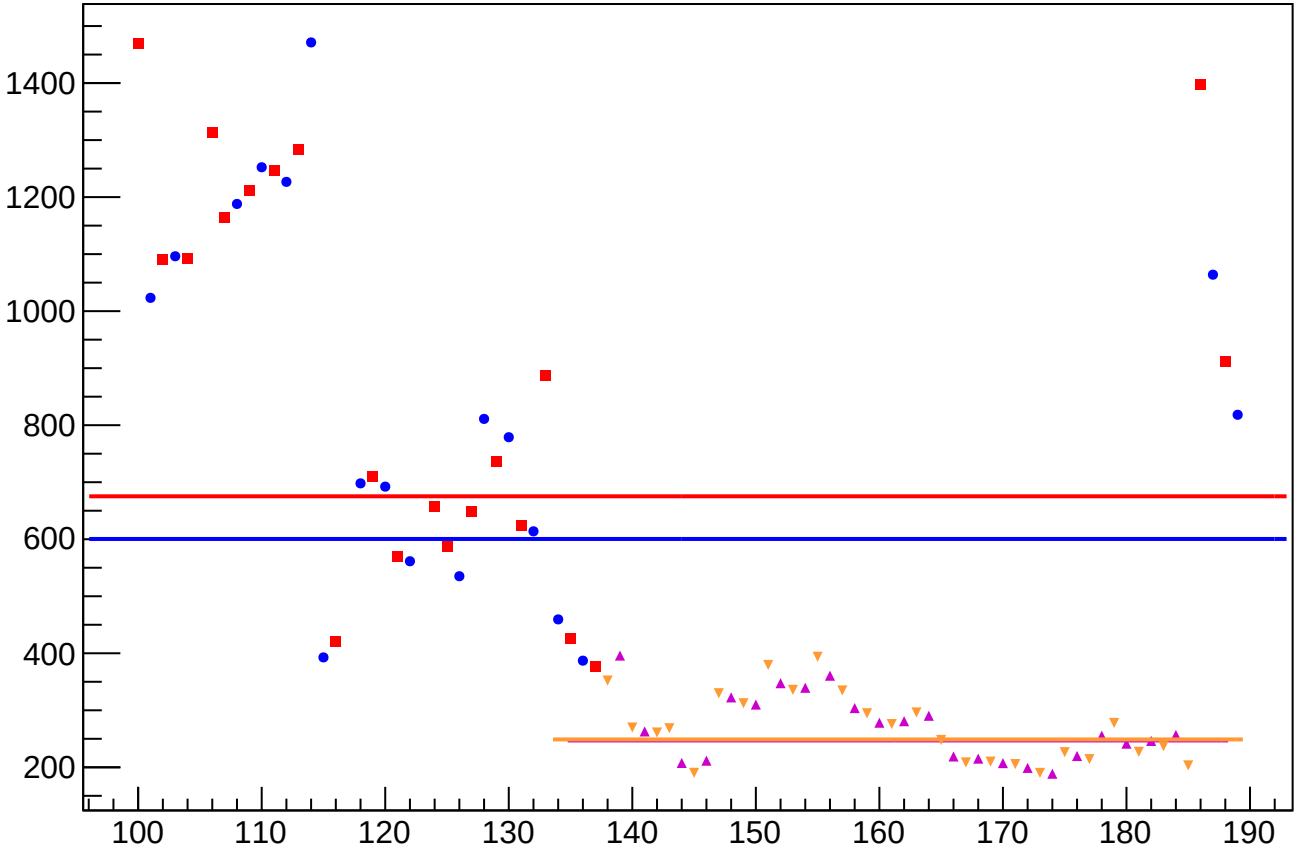
Left In: -37.530+/-59.159 χ^2/NDF:26.6/22

+ sign -277.779+/-56.281 χ^2/NDF: 86.7/42

All: -167.835+/-40.226 χ^2/NDF: 135.4/86

- sign -53.009+/-57.517 χ^2/NDF: 40.9/43

asym_sam_1526_avg_reg_correction_rms vs Slug



Right In: 600.479+/-0.163 χ^2/NDF: 2205147.8/17

Left Out: 248.891+/-0.041 χ^2/NDF:1663709.5/24

Right Out: 675.288+/-0.174 χ^2/NDF: 2472533.3/20

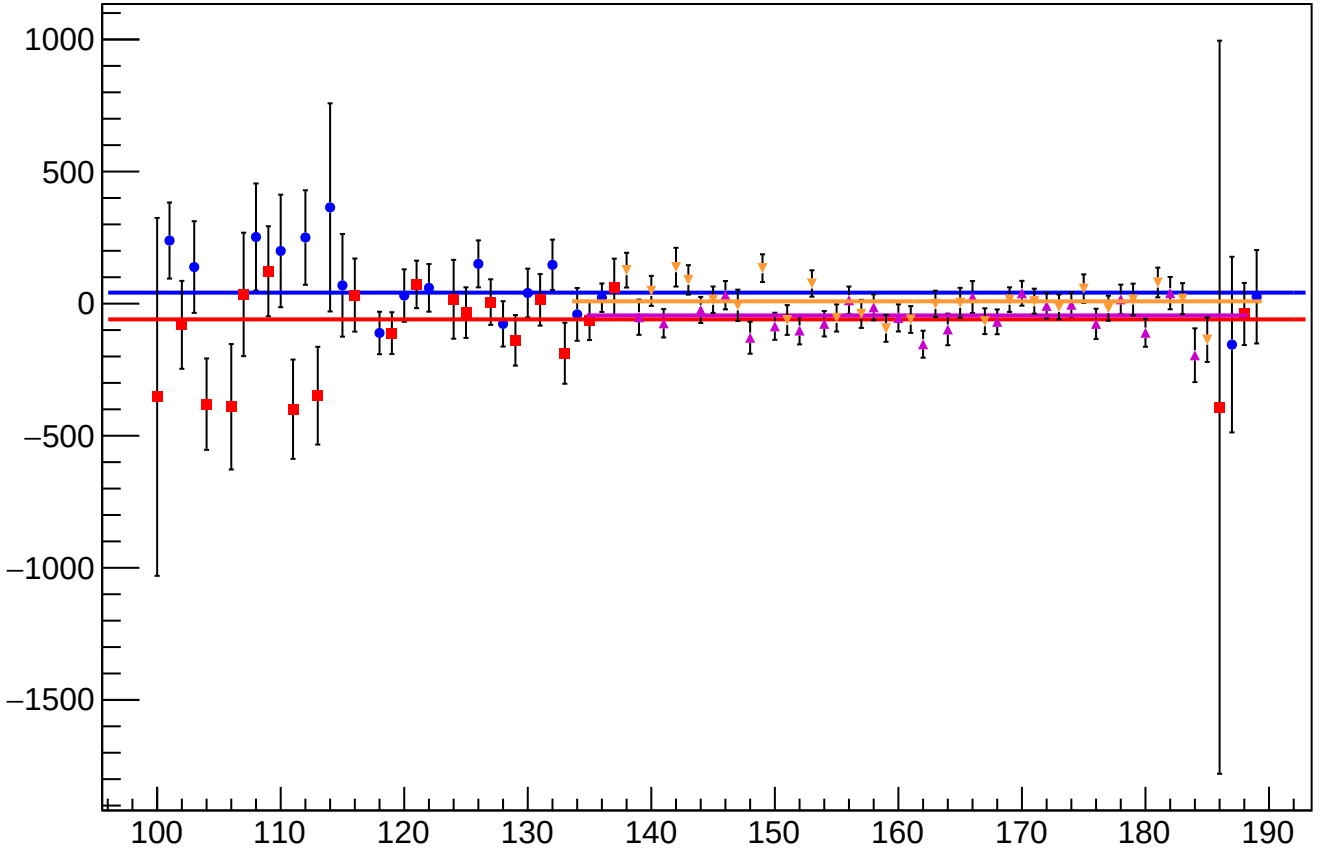
Left In: 247.109+/-0.042 χ^2/NDF:1484450.6/22

+ sign 269.779+/-0.040 χ^2/NDF: 8230312.7/42

All: 270.160+/-0.028 χ^2/NDF: 17925135.1/86

- sign 270.558+/-0.041 χ^2/NDF: 9694634.7/43

cor_asym_sam_1526_avg_mean vs Slug



Right In: 41.724+/-25.436 χ^2/NDF: 15.3/17

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: -59.493+/-26.215 χ^2/NDF: 20.4/20

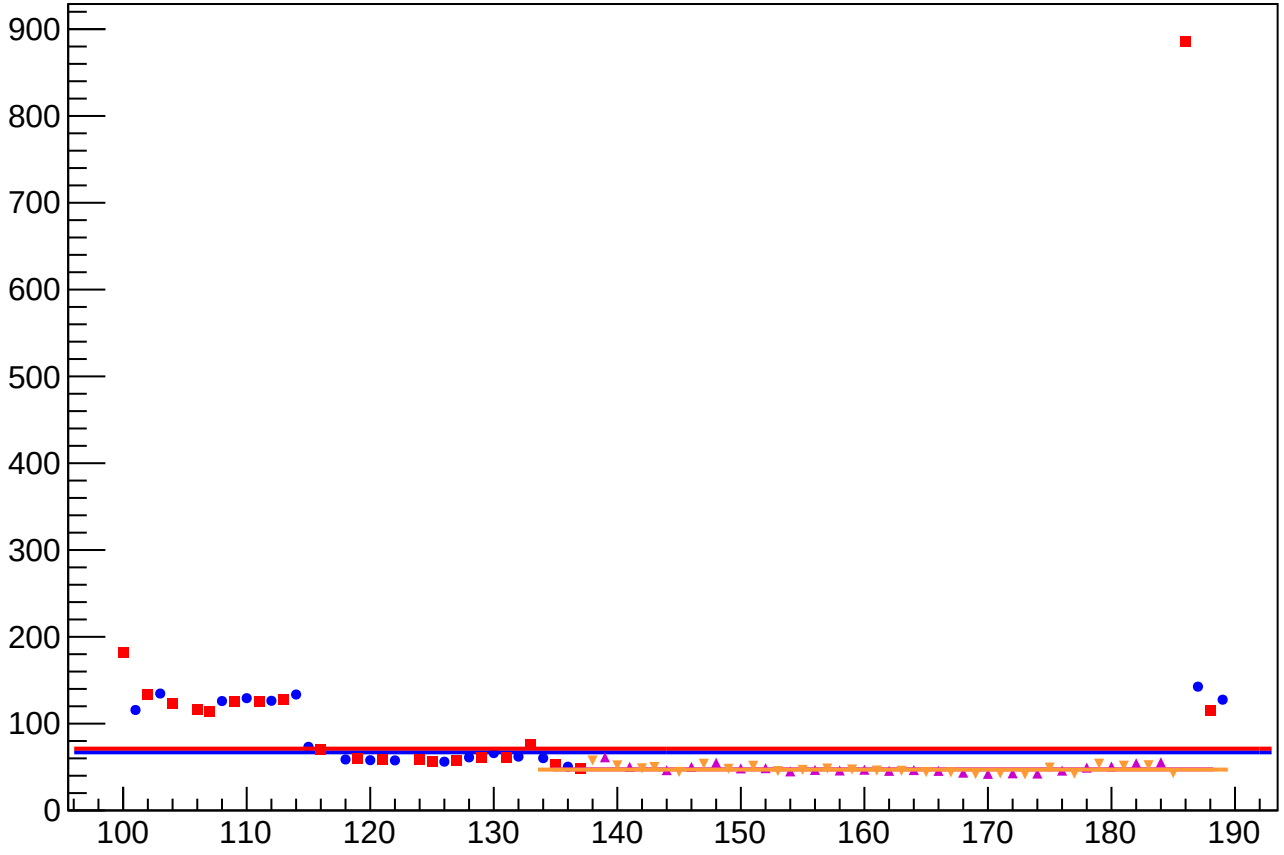
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 13.769+/-9.917 χ^2/NDF: 51.3/42

All: -15.503+/-7.130 χ^2/NDF: 117.1/86

- sign -46.830+/-10.259 χ^2/NDF: 47.7/43

cor_asym_sam_1526_avg_rms vs Slug



Right In: 66.957+/-0.018 χ^2/NDF: 1794473.2/17

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

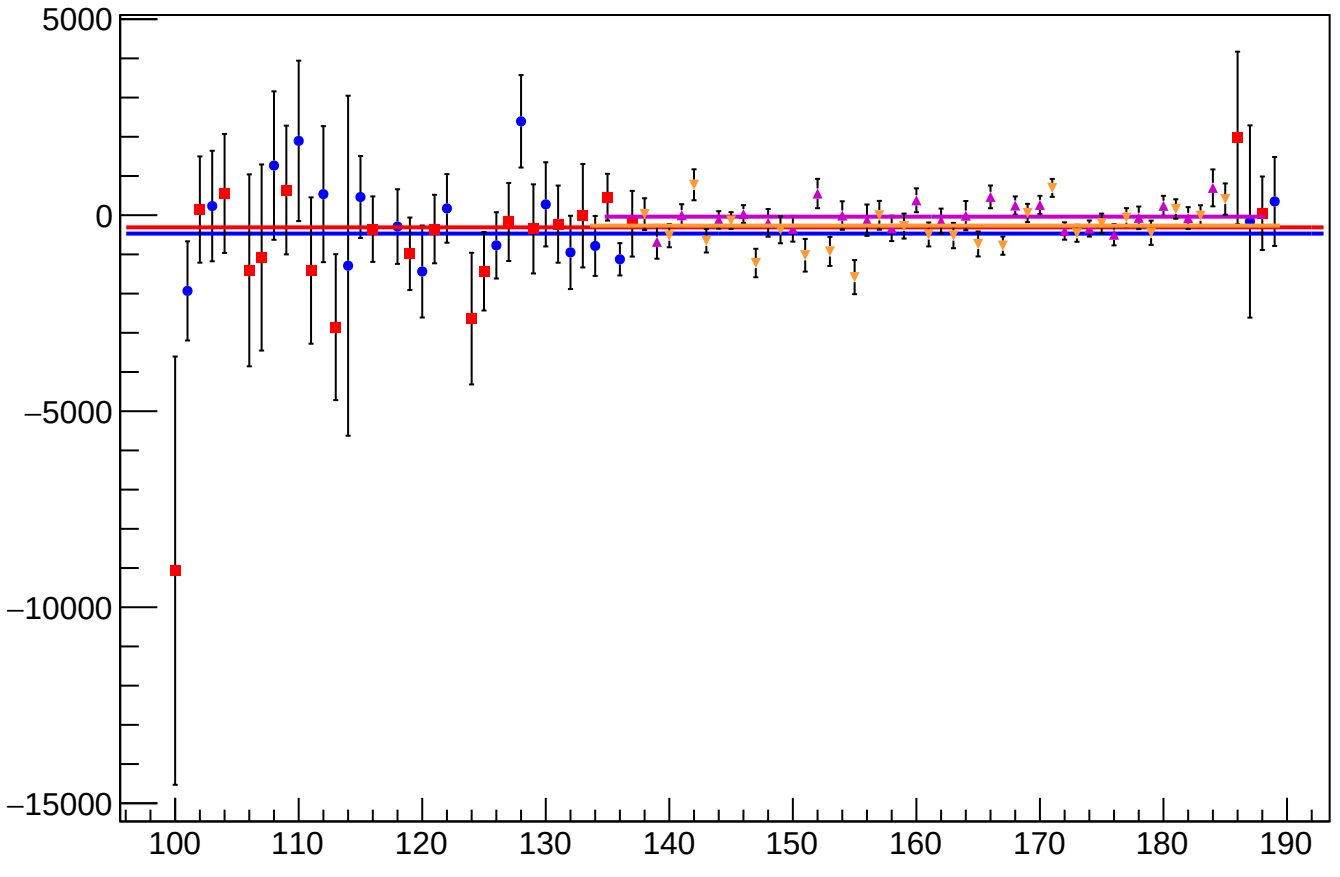
Right Out: 71.217+/-0.019 χ^2/NDF: 2617691.4/20

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 50.088+/-0.007 χ^2/NDF: 3119353.0/42

All: 50.545+/-0.005 χ^2/NDF: 7416826.4/86

- sign 51.034+/-0.007 χ^2/NDF: 4288684.3/43



Right In: -469.253+/-230.906 χ^2/NDF: 16.2/17

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: -310.435+/-245.890 χ^2/NDF: 12.6/20

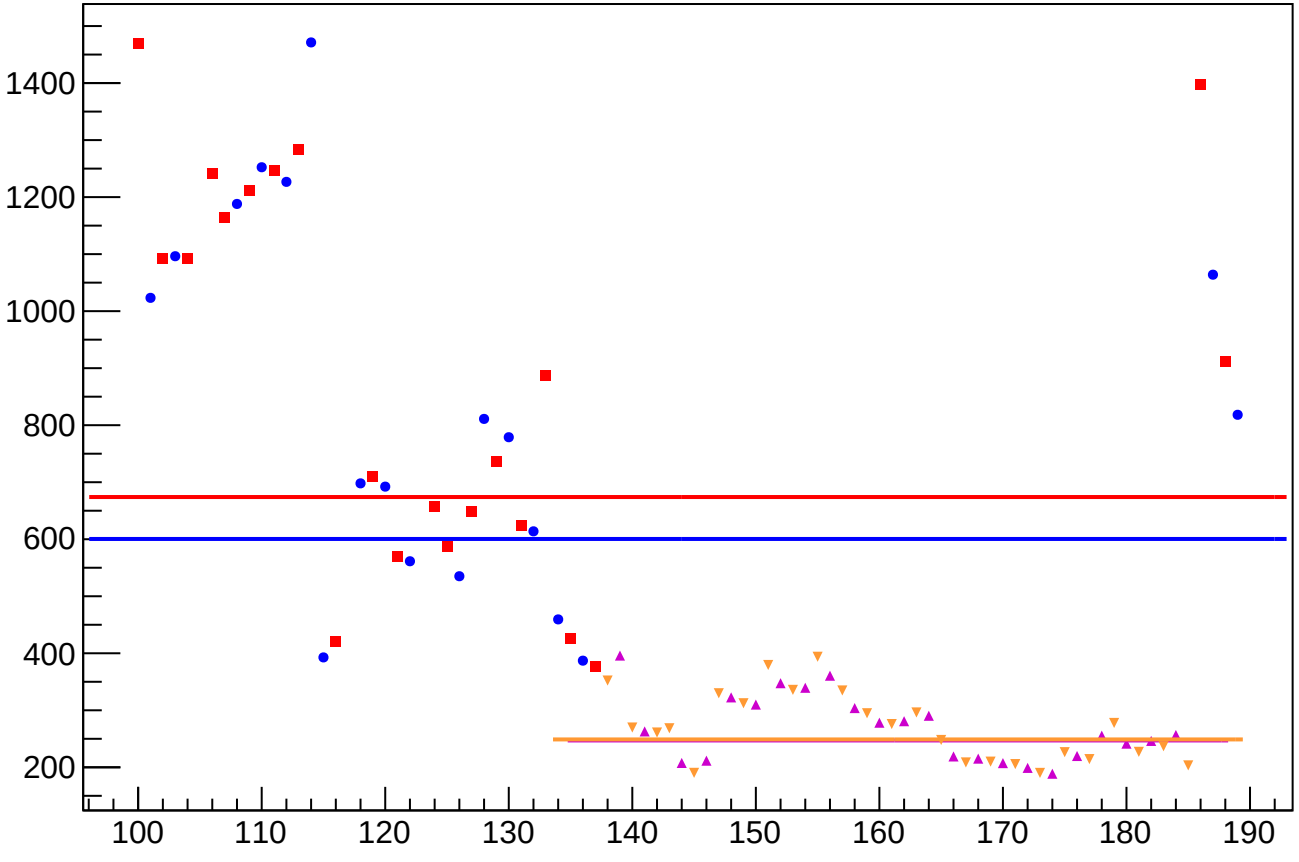
Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

+ sign -277.774+/-56.281 χ^2/NDF: 86.7/42

All: -167.566+/-40.227 χ^2/NDF: 134.9/86

- sign -52.460+/-57.518 χ^2/NDF: 40.3/43

asym_sam_1526_avg_cor_correction_rms vs Slug



Right In: 600.479+/-0.163 χ^2/NDF: 2205185.2/17

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 674.019+/-0.174 χ^2/NDF: 2432421.7/20

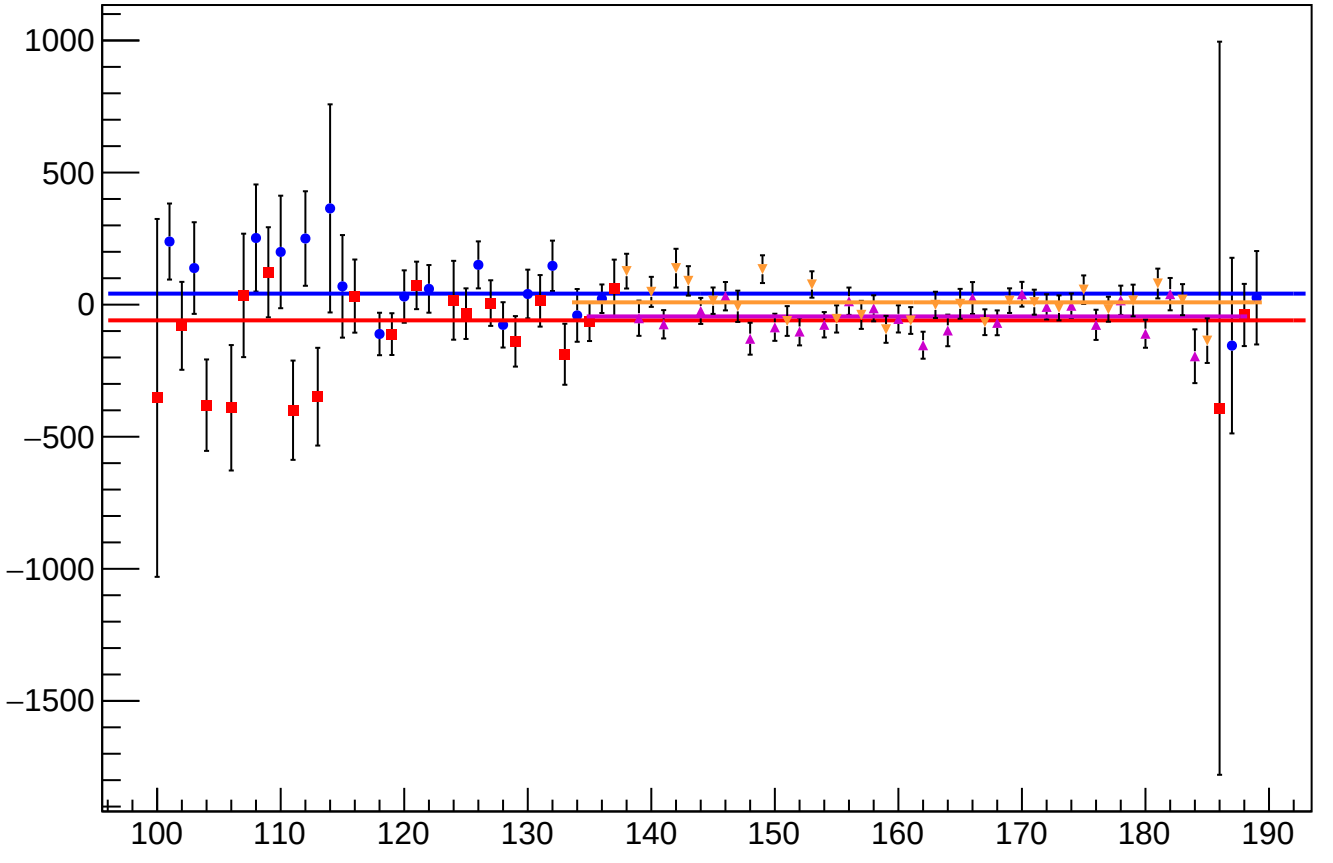
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 269.778+/-0.040 χ^2/NDF: 8230345.2/42

All: 270.116+/-0.028 χ^2/NDF: 17846156.6/86

- sign 270.469+/-0.041 χ^2/NDF: 9615664.1/43

eigen_cor_asym_sam_1526_avg_mean vs Slug



Right In: 41.724+/-25.436 χ^2/NDF: 15.3/17

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: -59.493+/-26.215 χ^2/NDF: 20.4/20

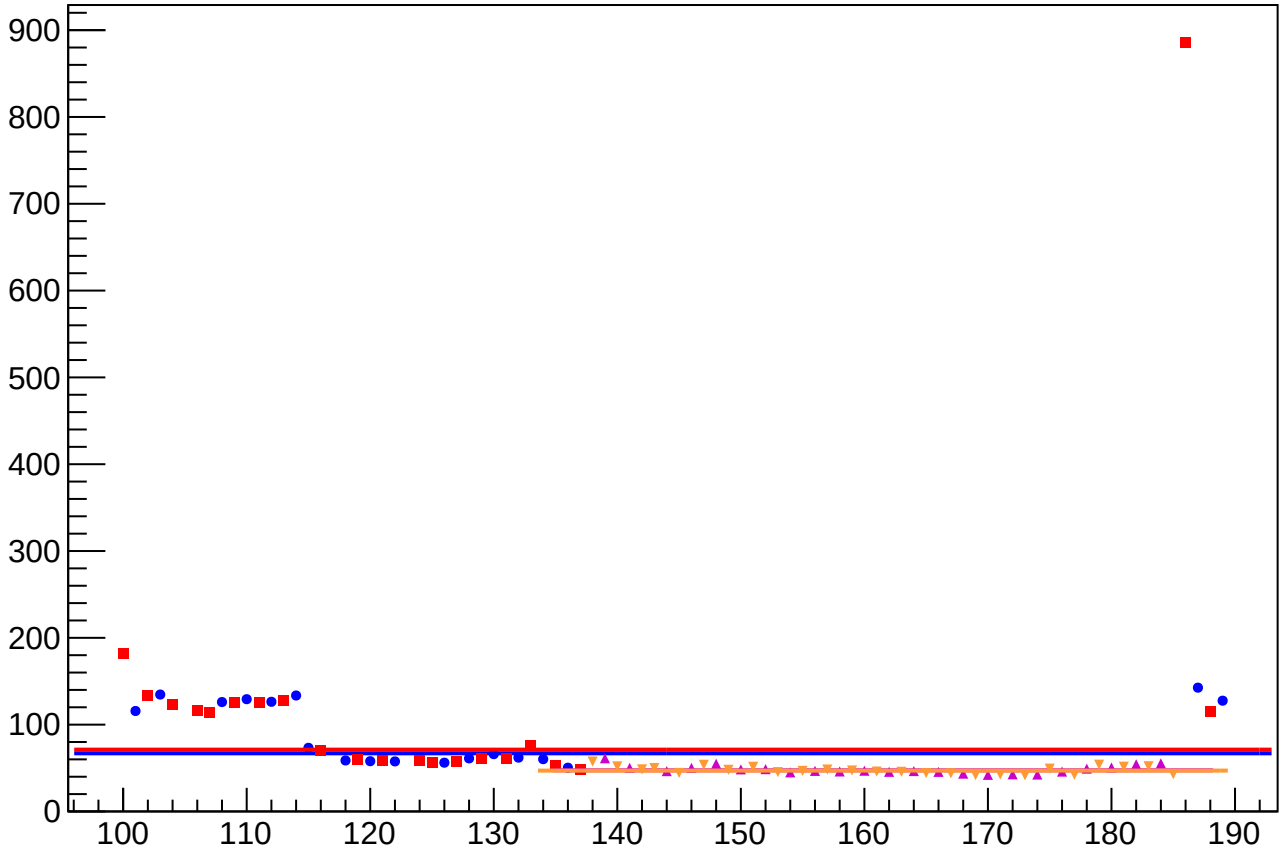
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 13.769+/-9.917 χ^2/NDF: 51.3/42

All: -15.503+/-7.130 χ^2/NDF: 117.1/86

- sign -46.830+/-10.259 χ^2/NDF: 47.7/43

eigen_cor_asym_sam_1526_avg_rms vs Slug



Right In: 66.957+/-0.018 χ^2/NDF: 1794473.2/17

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

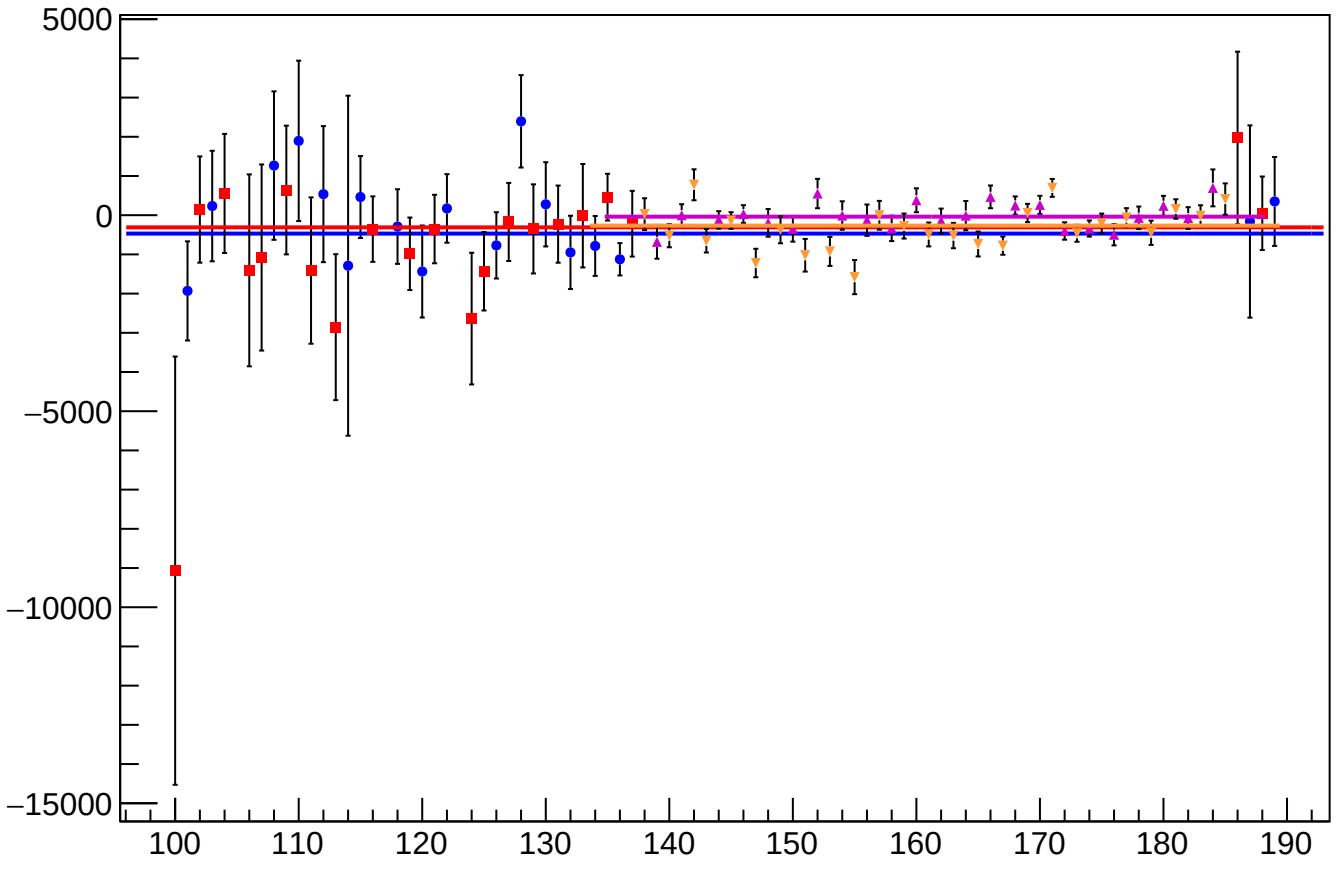
Right Out: 71.217+/-0.019 χ^2/NDF: 2617691.4/20

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 50.088+/-0.007 χ^2/NDF: 3119353.0/42

All: 50.545+/-0.005 χ^2/NDF: 7416826.4/86

- sign 51.034+/-0.007 χ^2/NDF: 4288684.3/43



Right In: -469.253+/-230.906 χ^2/NDF: 16.2/17

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

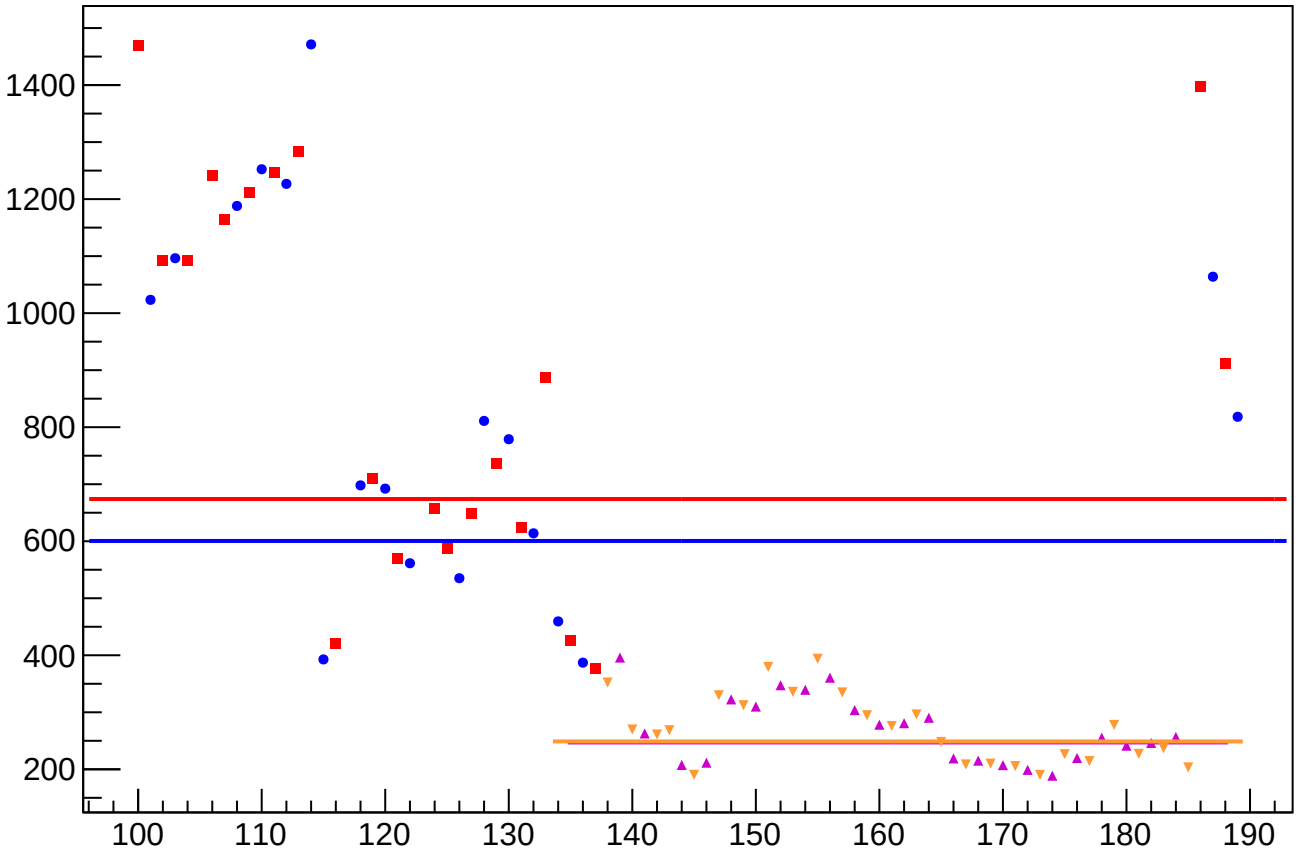
Right Out: -310.435+/-245.890 χ^2/NDF: 12.6/20

Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

+ sign -277.774+/-56.281 χ^2/NDF: 86.7/42

All: -167.566+/-40.227 χ^2/NDF: 134.9/86

- sign -52.460+/-57.518 χ^2/NDF: 40.3/43



Right In: 600.479+/-0.163 χ^2/NDF: 2205185.2/17

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 674.019+/-0.174 χ^2/NDF: 2432421.7/20

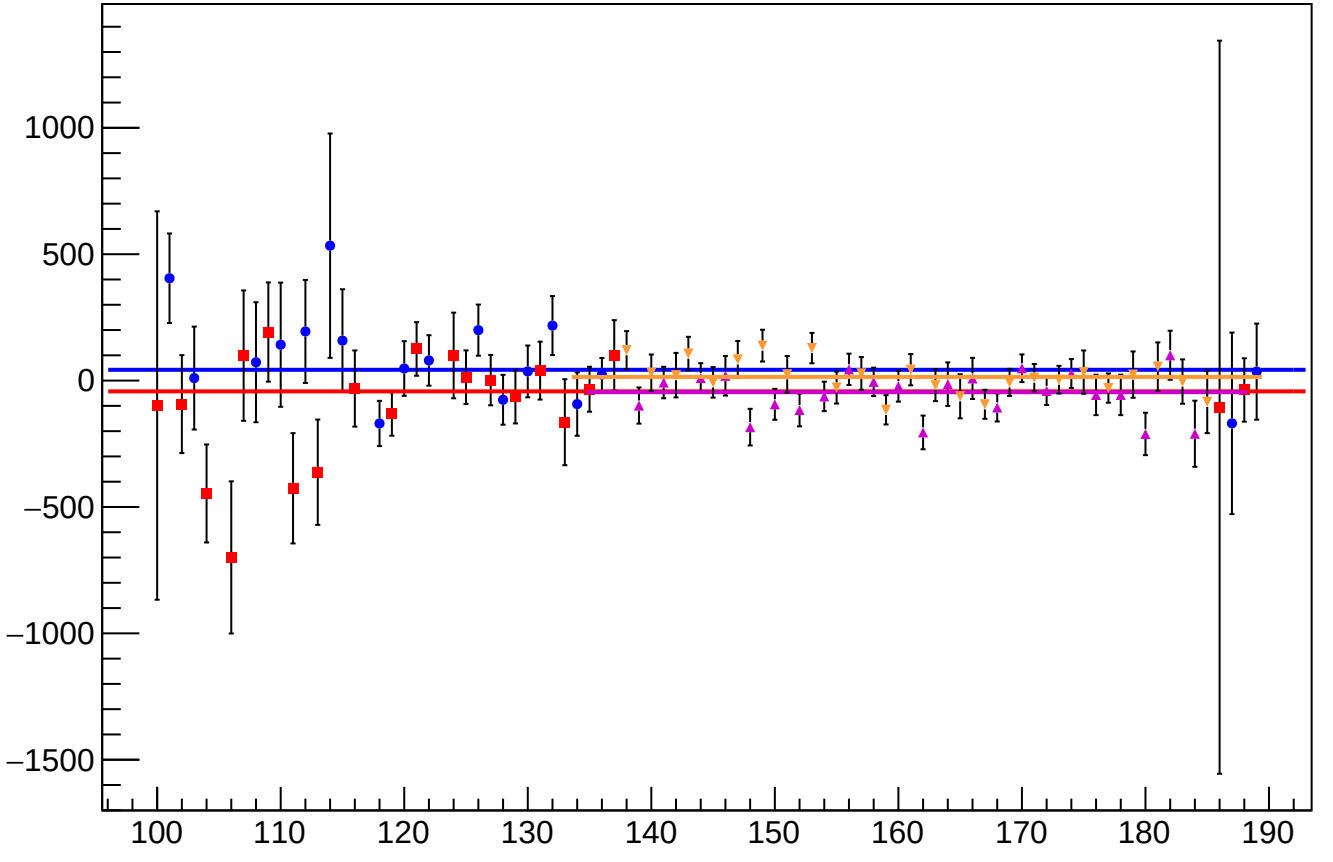
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 269.778+/-0.040 χ^2/NDF: 8230345.2/42

All: 270.116+/-0.028 χ^2/NDF: 17846156.6/86

- sign 270.469+/-0.041 χ^2/NDF: 9615664.1/43

dit_asym_sam_1526_avg_mean vs Slug



Right In: 42.738+/-29.446 χ^2/NDF: 20.0/17

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: -42.590+/-30.313 χ^2/NDF: 23.3/20

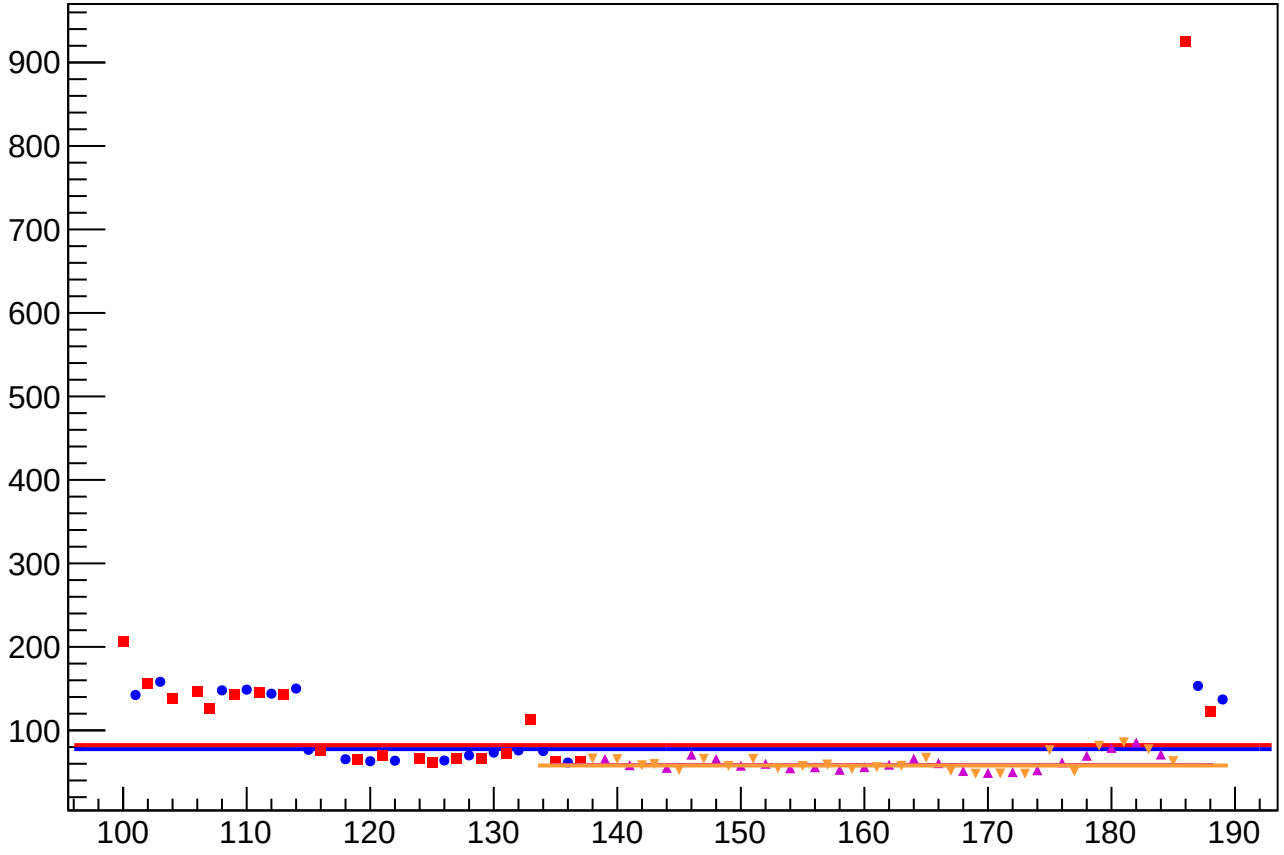
Left In: -45.806+/-13.931 χ^2/NDF:30.7/22

+ sign 19.376+/-12.237 χ^2/NDF: 45.3/42

All: -11.842+/-8.798 χ^2/NDF: 112.8/86

- sign -45.245+/-12.658 χ^2/NDF: 54.0/43

dit_asym_sam_1526_avg_rms vs Slug



Right In: 77.541+/-0.021 χ^2/NDF: 1758991.6/17

Left Out: 57.965+/-0.010 χ^2/NDF:896947.4/24

Right Out: 82.326+/-0.021 χ^2/NDF: 2576761.9/20

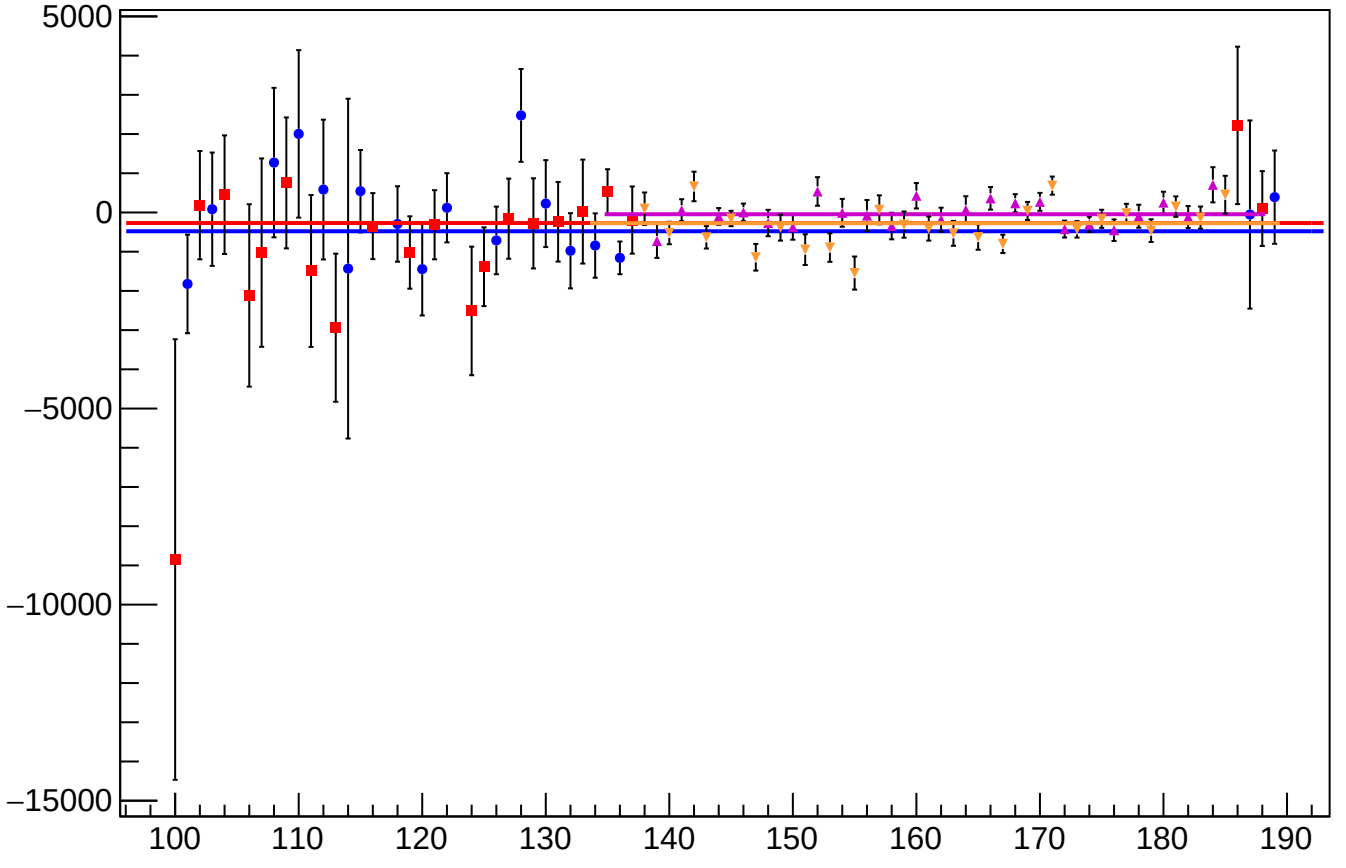
Left In: 58.479+/-0.010 χ^2/NDF:649919.9/22

+ sign 61.346+/-0.009 χ^2/NDF: 3387226.1/42

All: 61.970+/-0.006 χ^2/NDF: 7646613.2/86

- sign 62.638+/-0.009 χ^2/NDF: 4248631.0/43

asym_sam_1526_avg_dit_correction_mean vs Slug



Right In: -479.136+/-235.359 χ^2/NDF: 16.4/17

Left Out: -272.513+/-57.274 χ^2/NDF:65.8/24

Right Out: -269.276+/-245.942 χ^2/NDF: 13.7/20

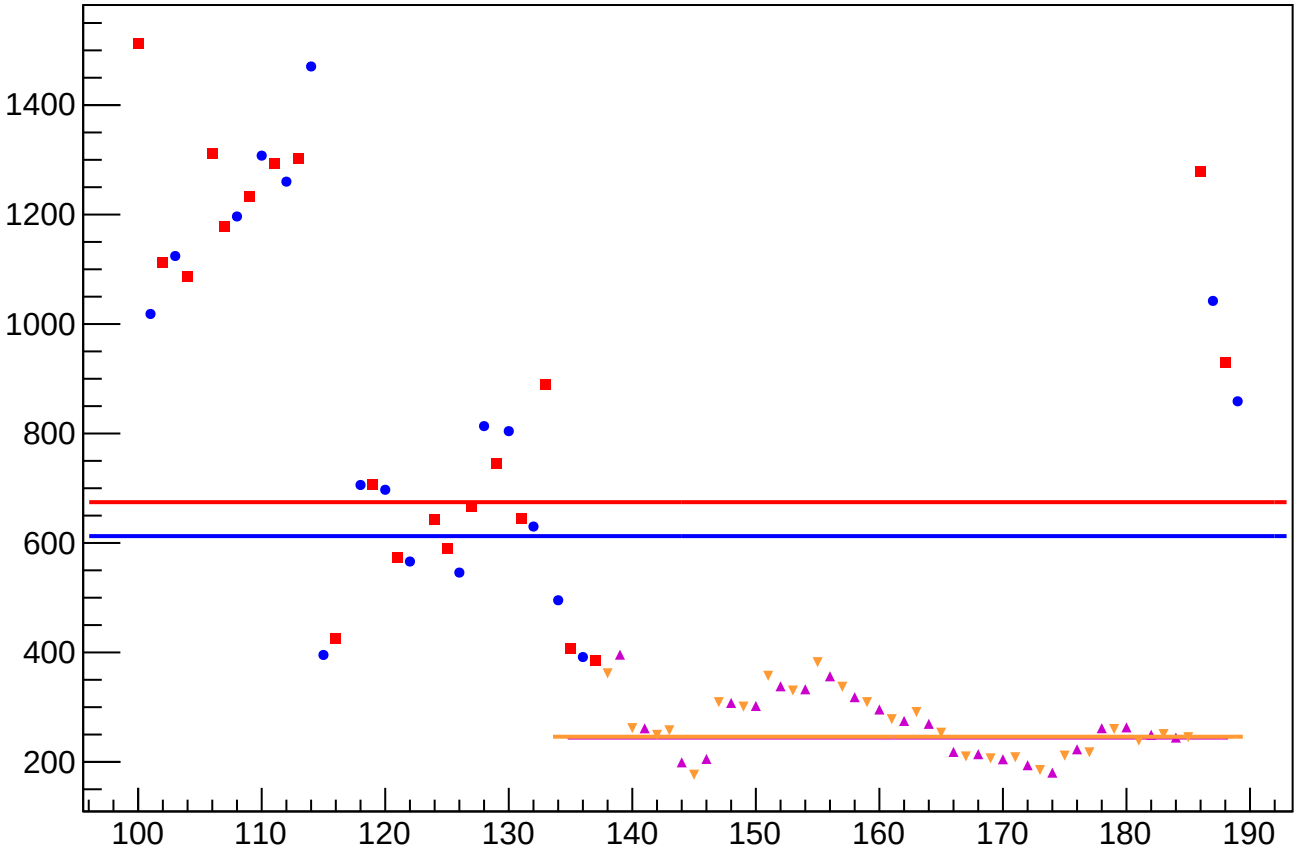
Left In: -44.553+/-58.614 χ^2/NDF:26.5/22

+ sign -284.065+/-55.650 χ^2/NDF: 82.9/42

All: -173.108+/-39.825 χ^2/NDF: 132.0/86

- sign -56.631+/-57.017 χ^2/NDF: 41.0/43

asym_sam_1526_avg_dit_correction_rms vs Slug



Right In: 612.528+/-0.166 χ^2/NDF: 2204946.3/17

Left Out: 246.017+/-0.040 χ^2/NDF:1680565.1/24

Right Out: 674.544+/-0.174 χ^2/NDF: 2554610.9/20

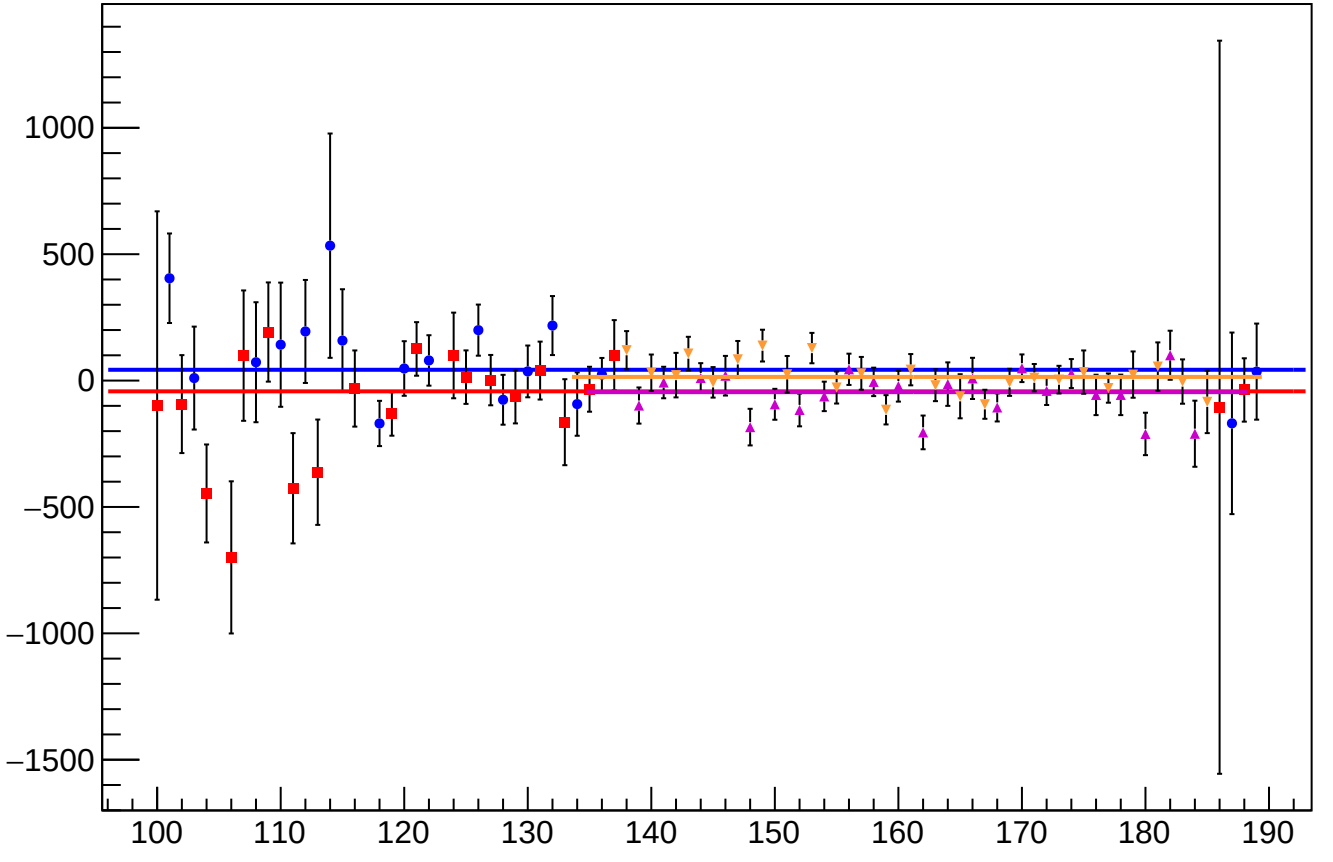
Left In: 244.450+/-0.041 χ^2/NDF:1596988.0/22

+ sign 266.507+/-0.039 χ^2/NDF: 8464398.2/42

All: 267.024+/-0.028 χ^2/NDF: 18403934.6/86

- sign 267.566+/-0.040 χ^2/NDF: 9939183.4/43

eigen_dit_asym_sam_1526_avg_mean vs Slug



Right In: 42.740+/-29.445 χ^2/NDF: 20.0/17

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: -42.590+/-30.313 χ^2/NDF: 23.3/20

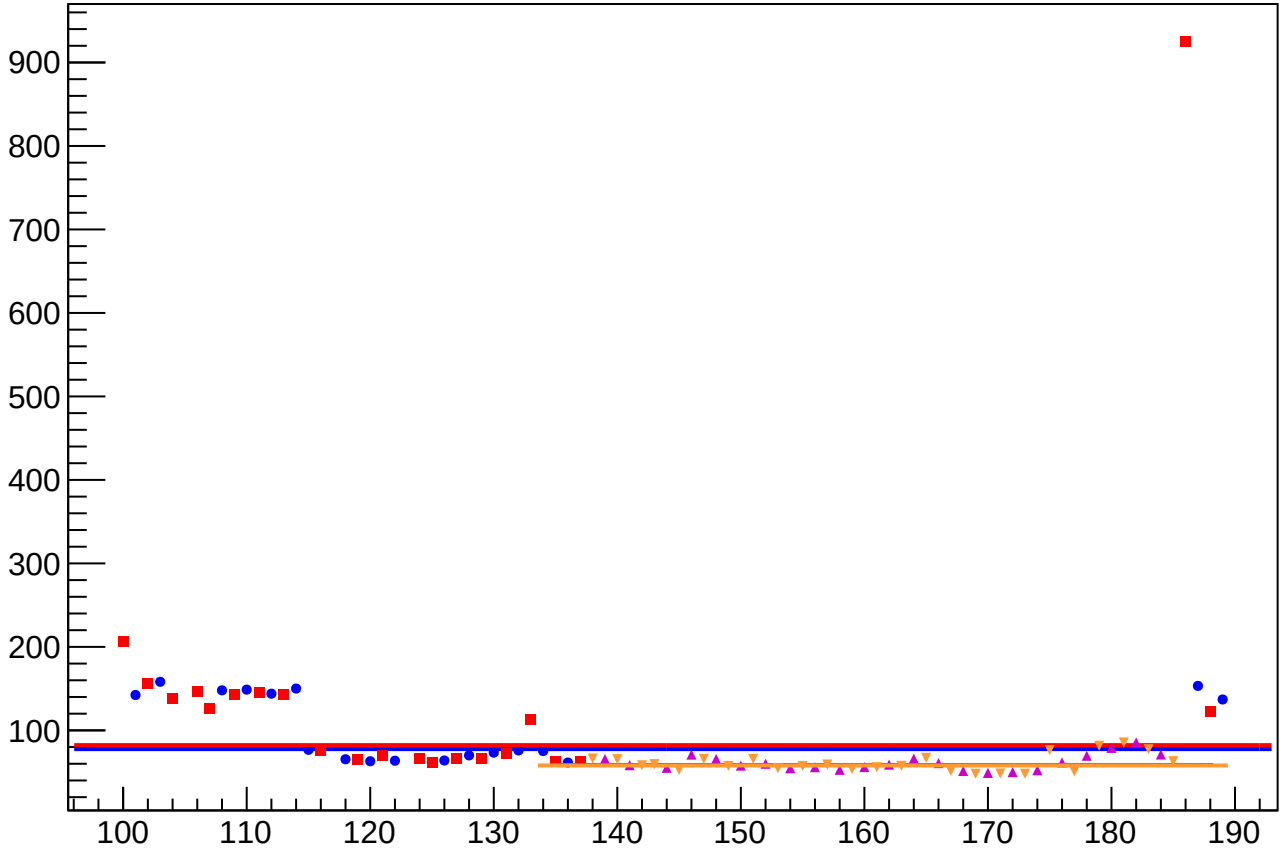
Left In: -45.805+/-13.931 χ^2/NDF:30.7/22

+ sign 19.375+/-12.237 χ^2/NDF: 45.3/42

All: -11.842+/-8.798 χ^2/NDF: 112.8/86

- sign -45.245+/-12.658 χ^2/NDF: 54.0/43

eigen_dit_asym_sam_1526_avg_rms vs Slug



Right In: 77.541+/-0.021 χ^2/NDF: 1758980.7/17

Left Out: 57.965+/-0.010 χ^2/NDF:896952.8/24

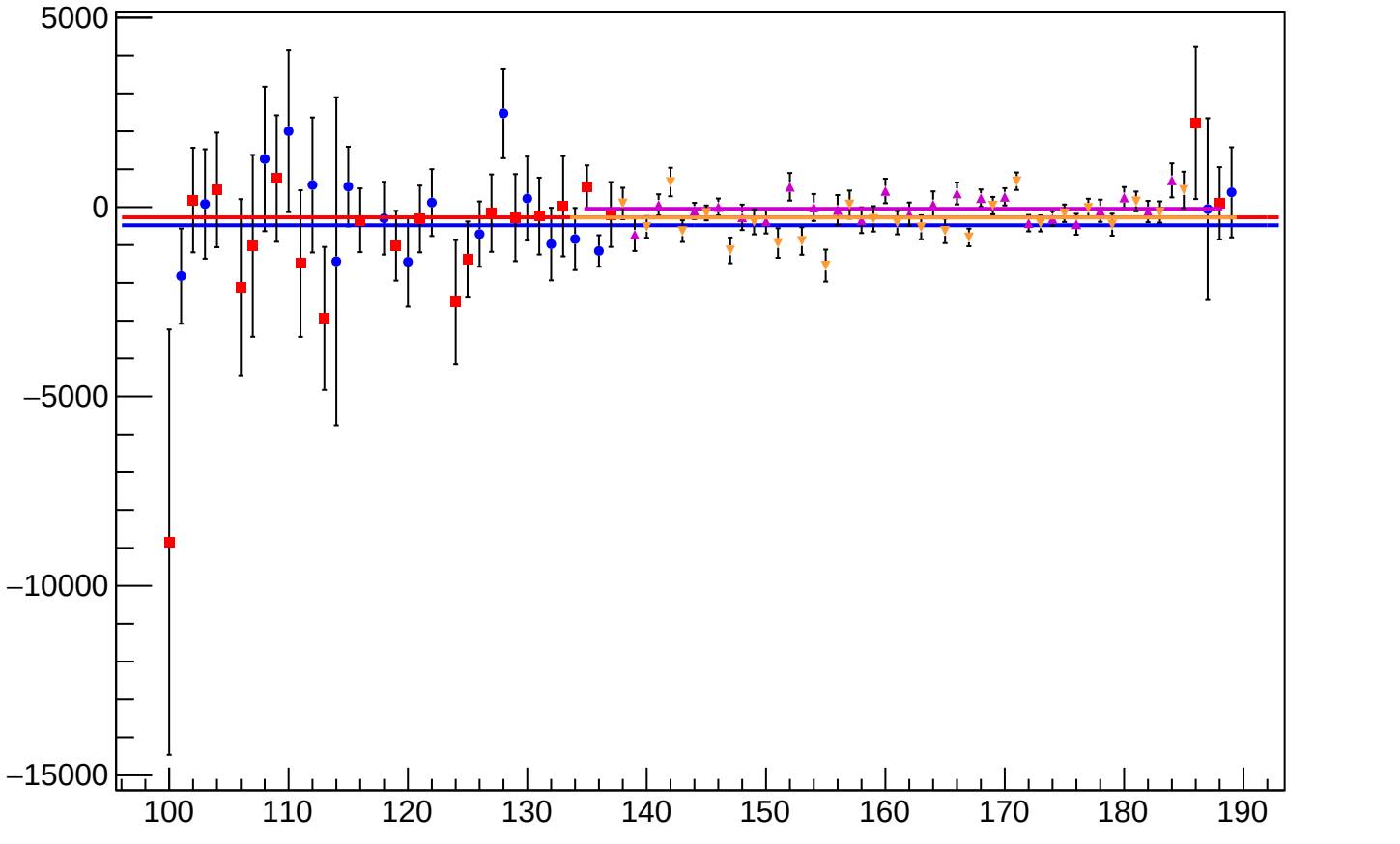
Right Out: 82.326+/-0.021 χ^2/NDF: 2576759.3/20

Left In: 58.479+/-0.010 χ^2/NDF:649911.4/22

+ sign 61.346+/-0.009 χ^2/NDF: 3387194.9/42

All: 61.970+/-0.006 χ^2/NDF: 7646538.1/86

- sign 62.638+/-0.009 χ^2/NDF: 4248585.8/43



Right In: -479.134+/-235.358 χ^2/NDF: 16.4/17

Left Out: -272.512+/-57.274 χ^2/NDF:65.8/24

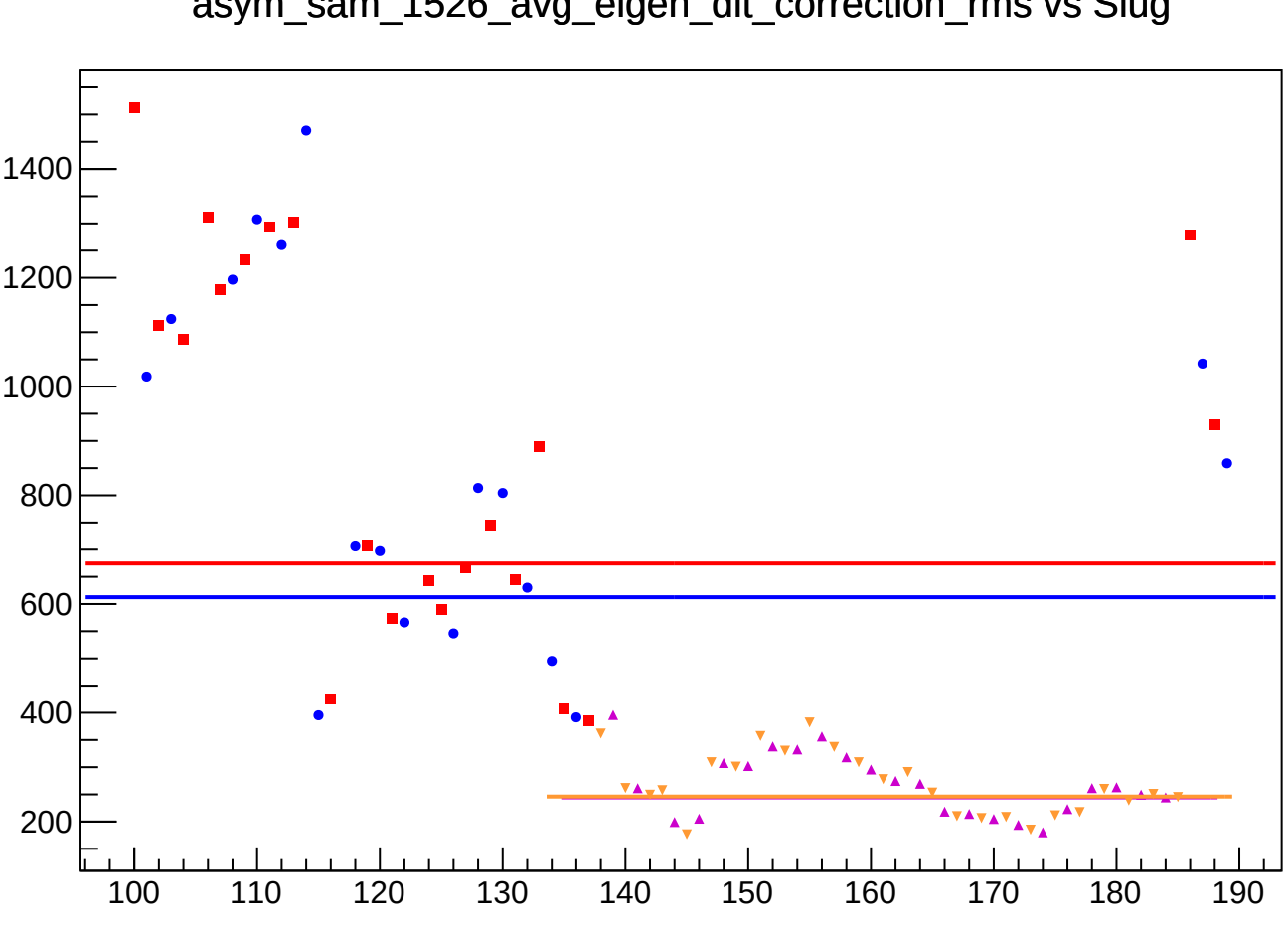
Right Out: -269.276+/-245.942 χ^2/NDF: 13.7/20

Left In: -44.552+/-58.614 χ^2/NDF:26.5/22

+ sign -284.064+/-55.650 χ^2/NDF: 82.9/42

All: -173.107+/-39.825 χ^2/NDF: 132.0/86

- sign -56.630+/-57.017 χ^2/NDF: 41.0/43



Right In: 612.528+/-0.166 χ^2/NDF: 2204928.6/17

Left Out: 246.016+/-0.040 χ^2/NDF:1680566.1/24

Right Out: 674.543+/-0.174 χ^2/NDF: 2554592.7/20

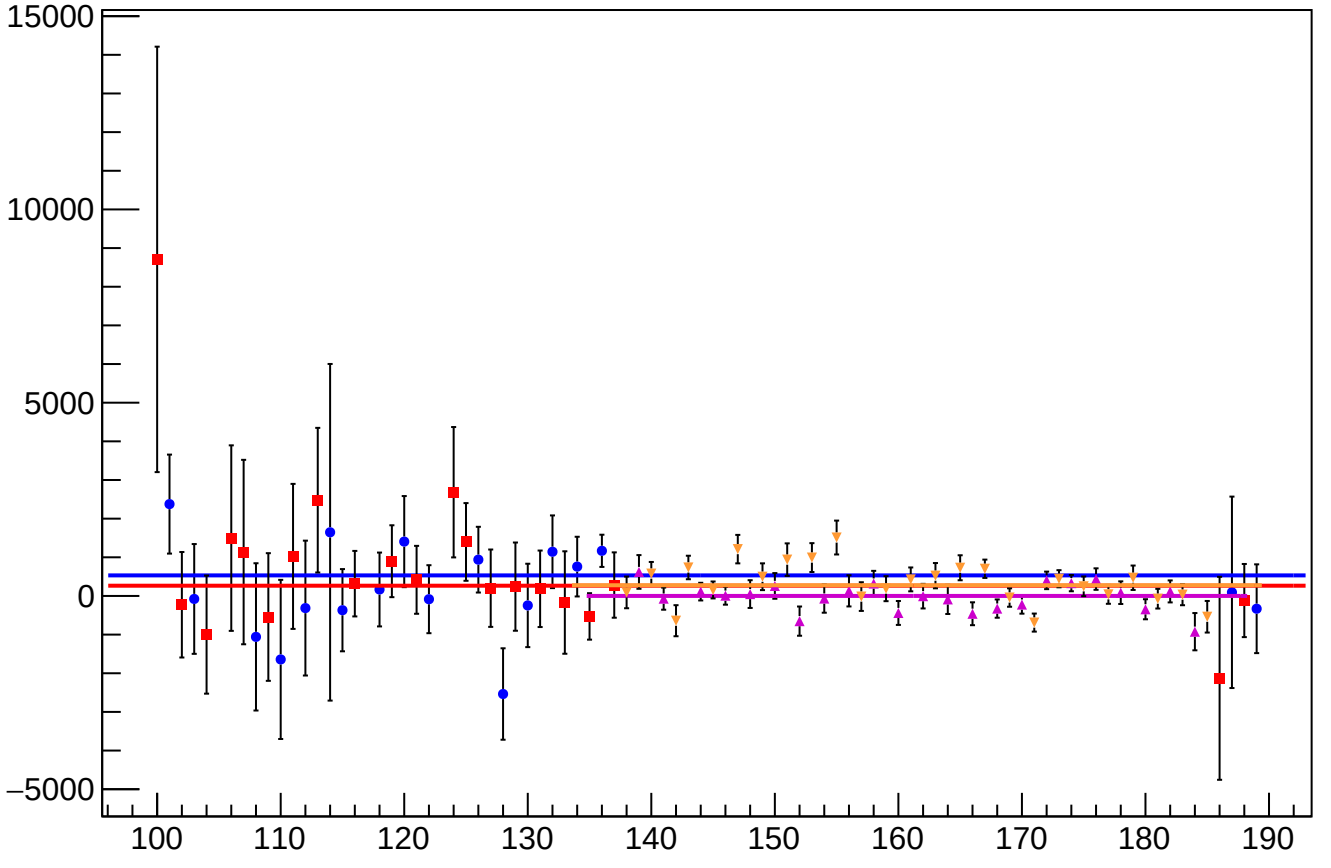
Left In: 244.450+/-0.041 χ^2/NDF:1596977.8/22

+ sign 266.507+/-0.039 χ^2/NDF: 8464393.0/42

All: 267.023+/-0.028 χ^2/NDF: 18403909.8/86

- sign 267.566+/-0.040 χ^2/NDF: 9939163.8/43

asym_sam_1526_avg_mean vs Slug



Right In: 531.968+/-232.877 χ^2/NDF: 17.2/17

Left Out: 277.077+/-59.149 χ^2/NDF:64.1/24

Right Out: 265.054+/-248.013 χ^2/NDF: 12.1/20

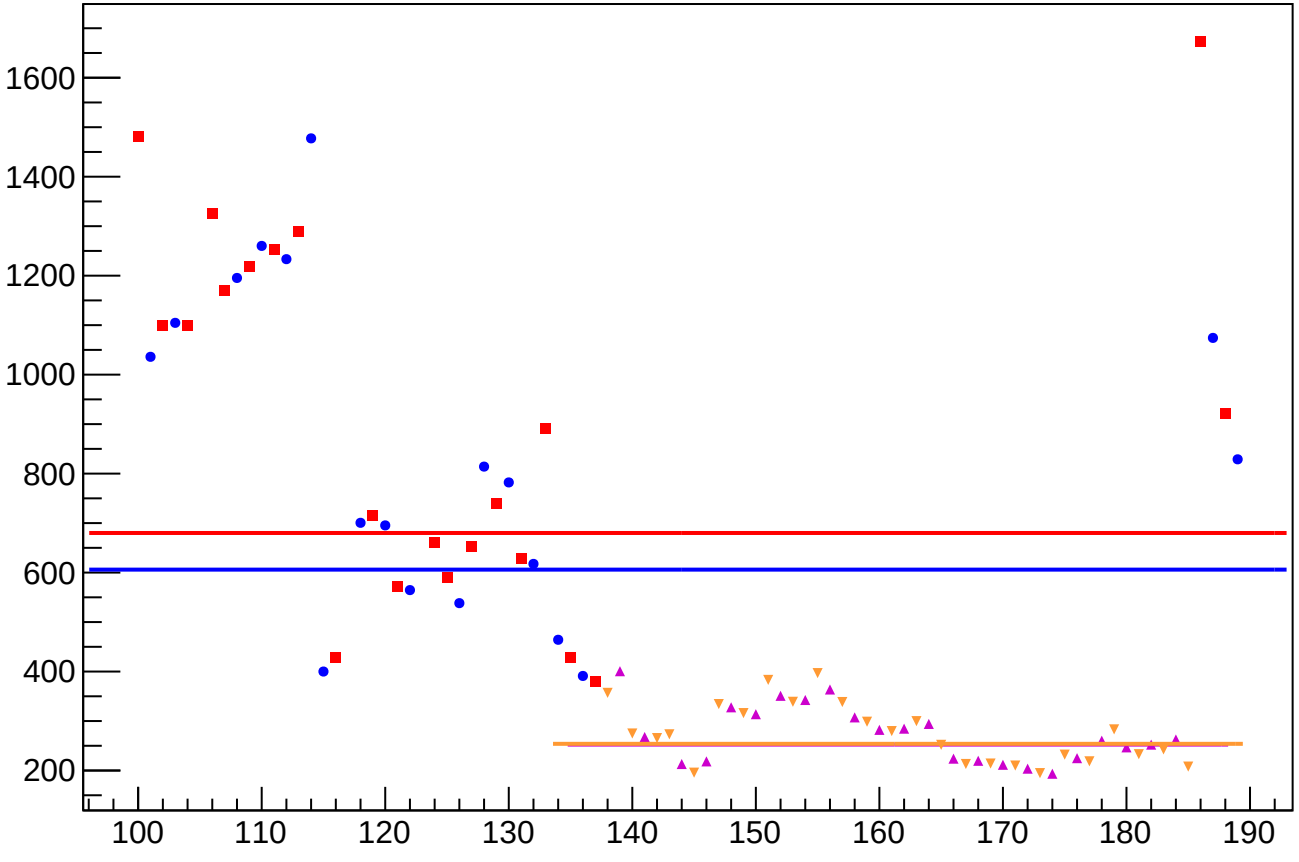
Left In: 0.556+/-60.356 χ^2/NDF:28.1/22

+ sign 292.524+/-57.328 χ^2/NDF: 82.4/42

All: 157.080+/-40.995 χ^2/NDF: 135.1/86

- sign 15.344+/-58.645 χ^2/NDF: 41.3/43

asym_sam_1526_avg_rms vs Slug



Right In: 605.979+/-0.165 χ^2/NDF: 2189412.4/17

Left Out: 253.953+/-0.042 χ^2/NDF:1590761.5/24

Right Out: 680.021+/-0.175 χ^2/NDF: 2528657.9/20

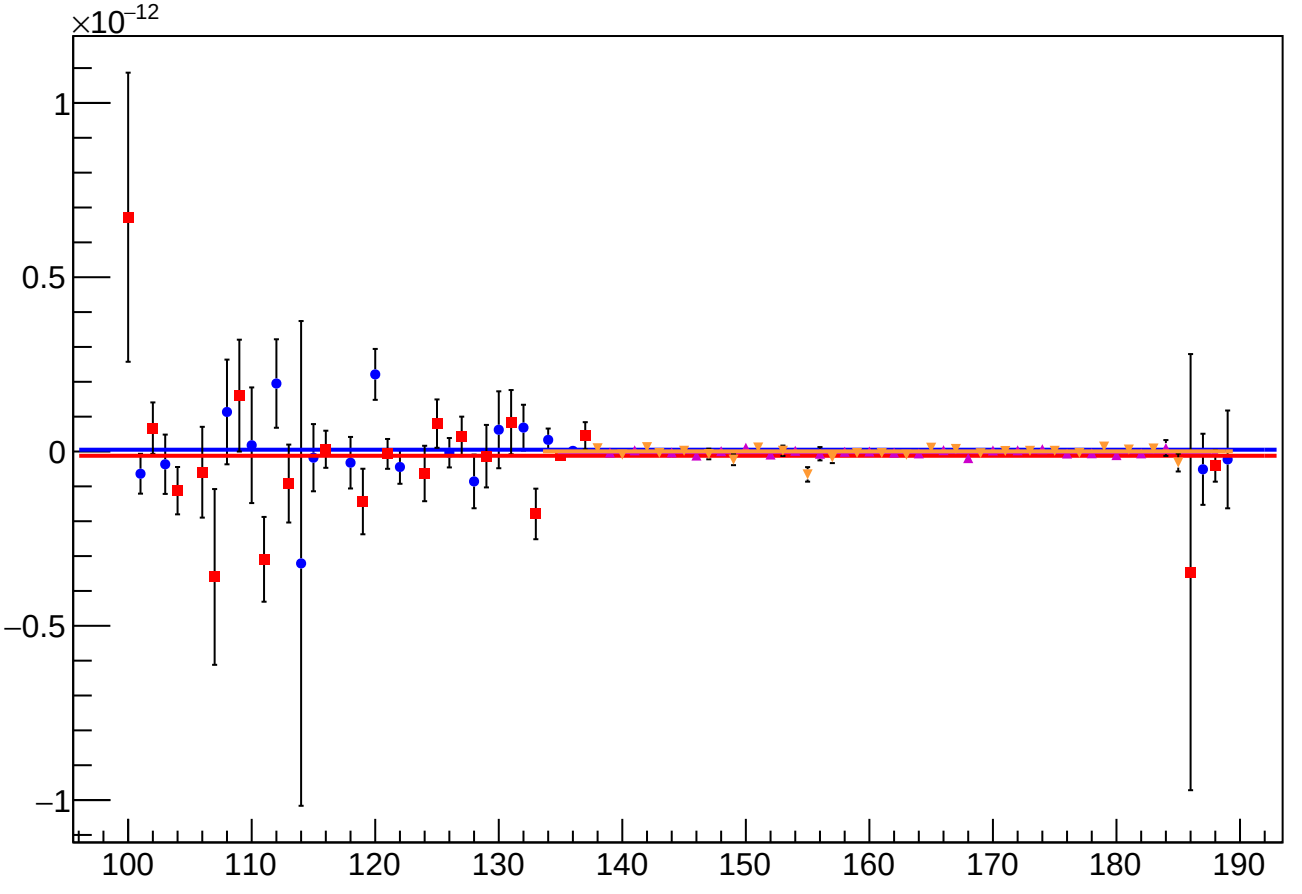
Left In: 252.390+/-0.043 χ^2/NDF:1412169.8/22

+ sign 275.287+/-0.041 χ^2/NDF: 8073291.8/42

All: 275.782+/-0.029 χ^2/NDF: 17627897.4/86

- sign 276.300+/-0.041 χ^2/NDF: 9554300.4/43

asym_sam_1526_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 18.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/24

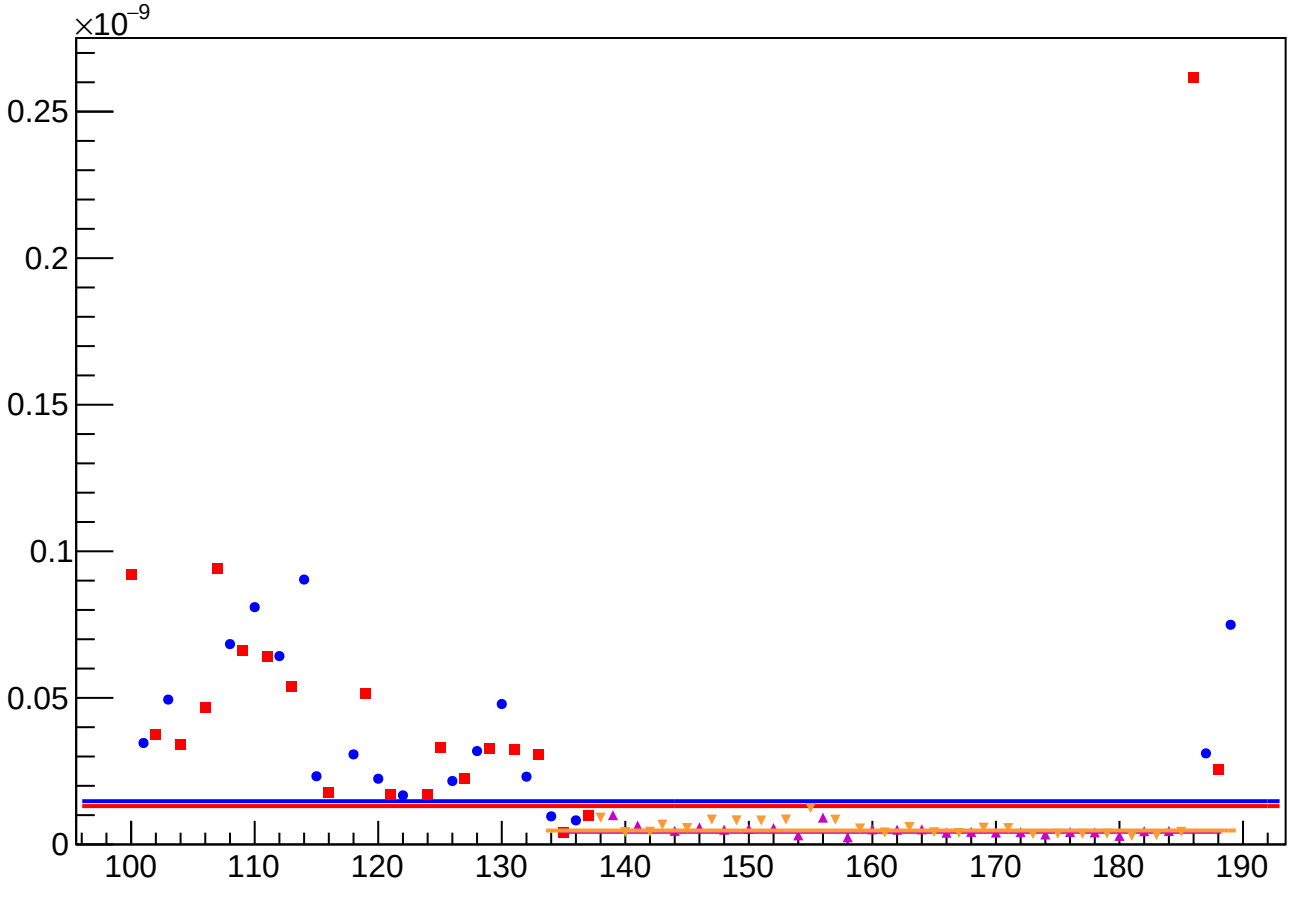
Right Out: -0.000+/-0.000 χ^2/NDF: 30.2/20

Left In: -0.000+/-0.000 χ^2/NDF:14.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.7/42

All: -0.000+/-0.000 χ^2/NDF: 91.9/86

- sign -0.000+/-0.000 χ^2/NDF: 45.1/43



Right In: 0.000+/-0.000 χ^2/NDF: 2917603.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:1613401.1/24

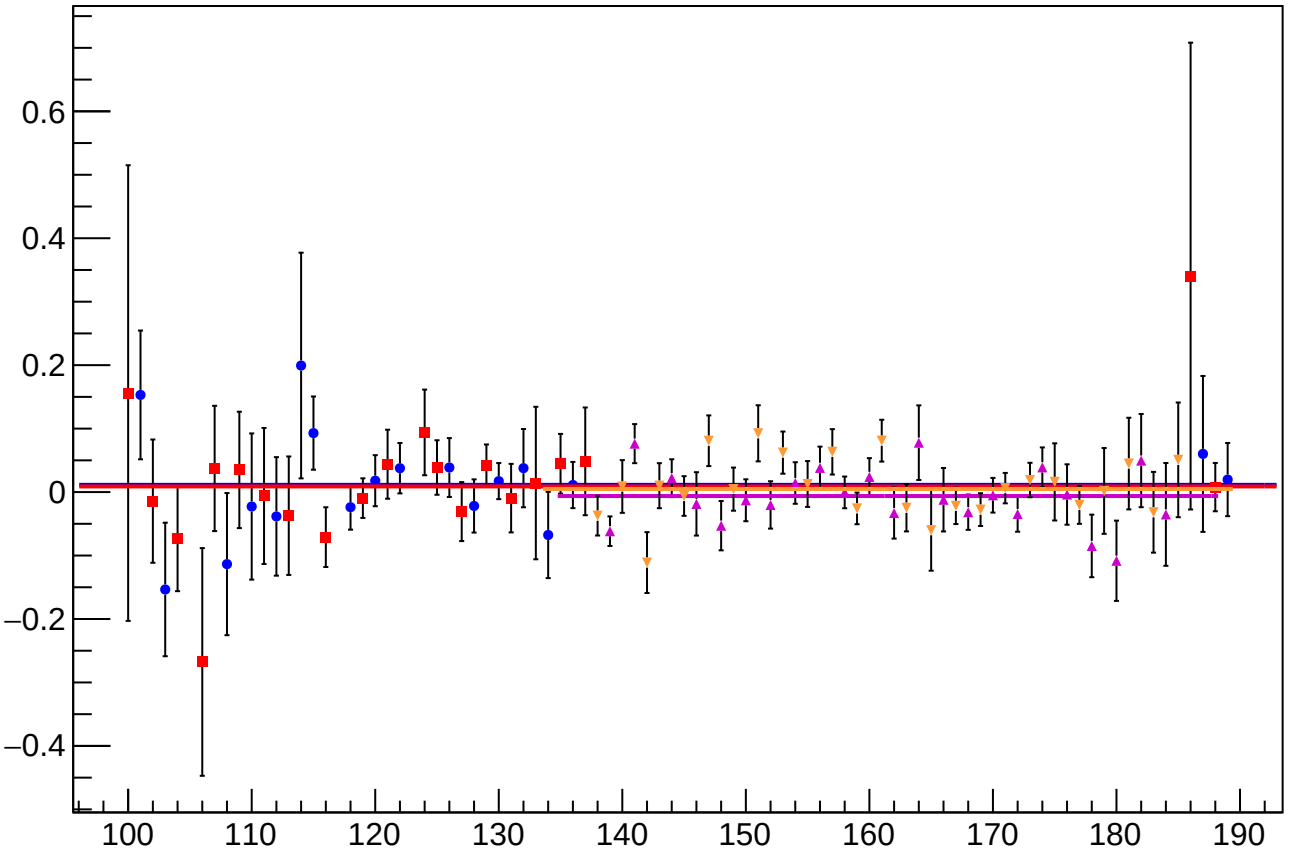
Right Out: 0.000+/-0.000 χ^2/NDF: 3946881.9/20

Left In: 0.000+/-0.000 χ^2/NDF:983290.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6304113.2/42

All: 0.000+/-0.000 χ^2/NDF: 12713826.7/86

- sign 0.000+/-0.000 χ^2/NDF: 6341205.1/43



Right In: 0.011+/-0.012 χ^2/NDF: 13.3/17

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: 0.009+/-0.012 χ^2/NDF: 13.2/20

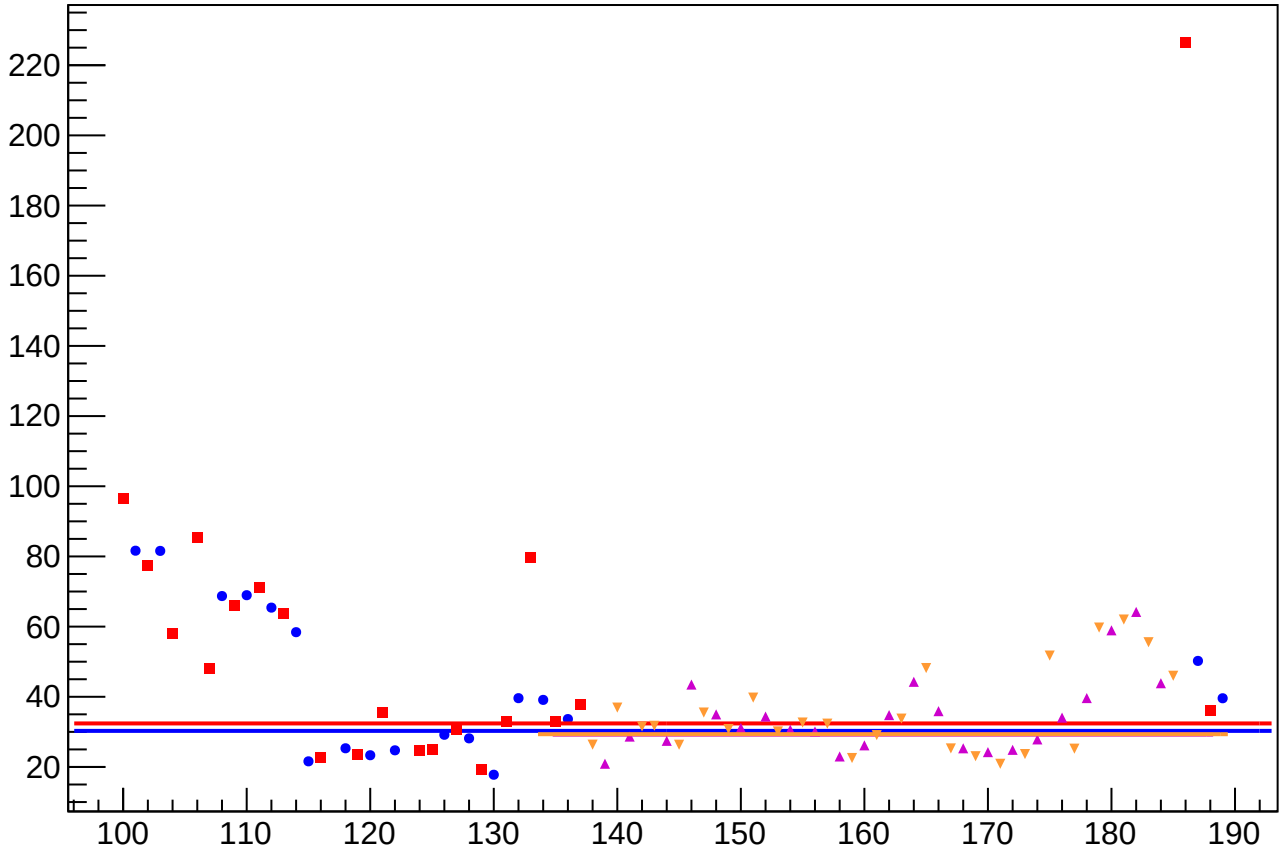
Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.007+/-0.006 χ^2/NDF: 47.5/42

All: 0.002+/-0.004 χ^2/NDF: 93.8/86

- sign -0.002+/-0.006 χ^2/NDF: 45.3/43

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug



Right In: 30.284+/-0.009 χ^2/NDF: 2558486.4/17

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

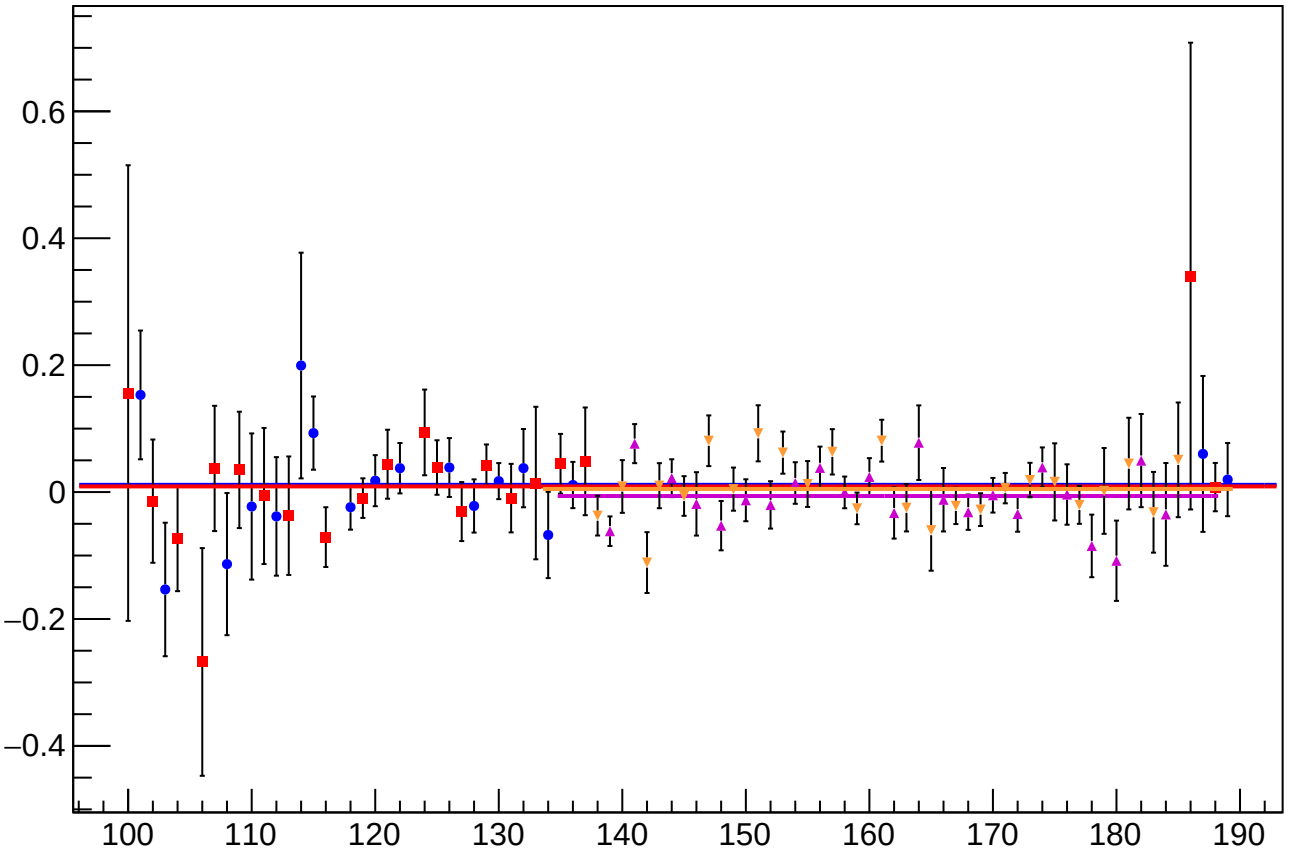
Right Out: 32.407+/-0.009 χ^2/NDF: 3232157.6/20

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

\+ sign 29.577+/-0.004 χ^2/NDF: 5254616.3/42

All: 29.798+/-0.003 χ^2/NDF: 10686542.4/86

\- sign 30.029+/-0.004 χ^2/NDF: 5426630.6/43



Right In: 0.011+/-0.012 χ^2/NDF: 13.3/17

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

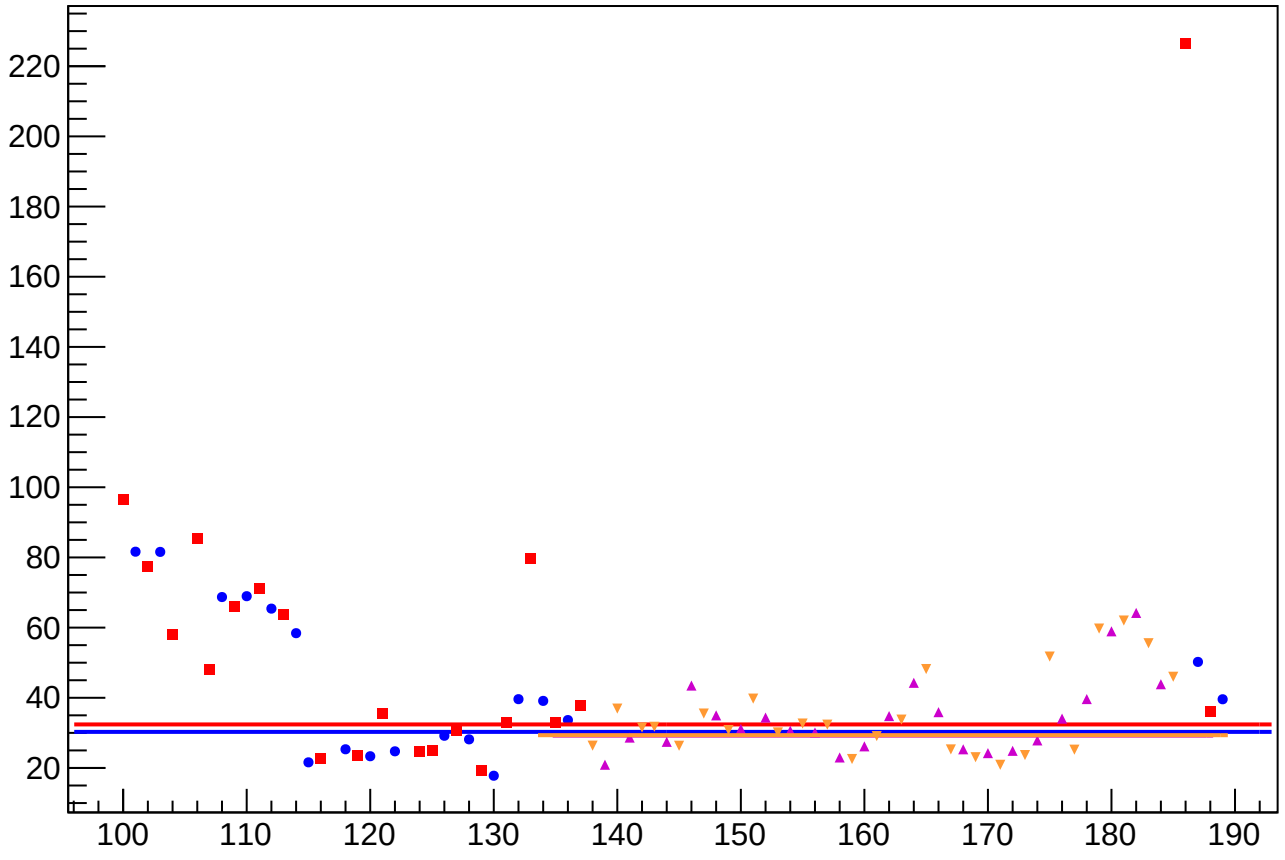
Right Out: 0.009+/-0.012 χ^2/NDF: 13.2/20

Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.007+/-0.006 χ^2/NDF: 47.5/42

All: 0.002+/-0.004 χ^2/NDF: 93.8/86

- sign -0.002+/-0.006 χ^2/NDF: 45.3/43



Right In: 30.284+/-0.009 χ^2/NDF: 2558486.4/17

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

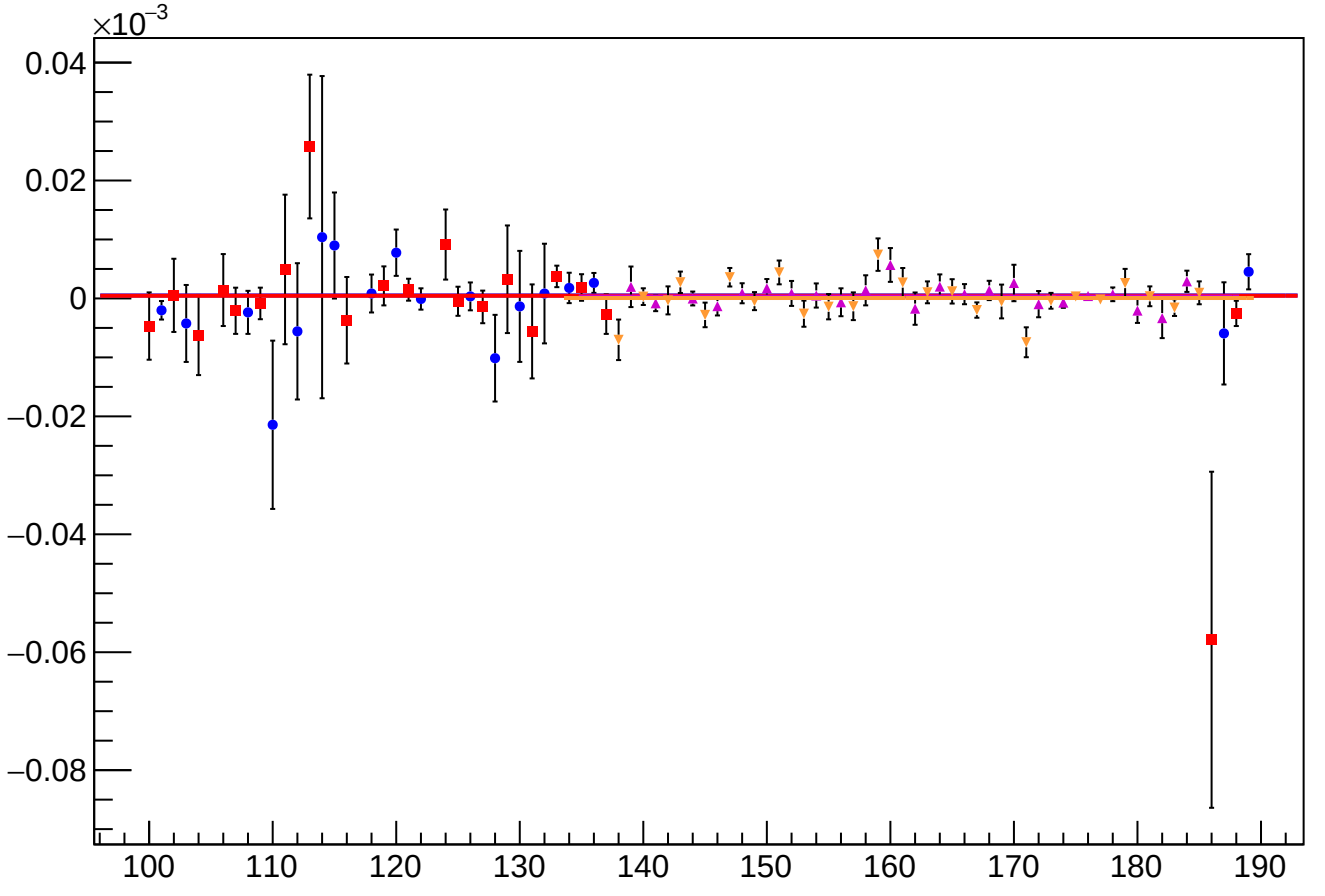
Right Out: 32.407+/-0.009 χ^2/NDF: 3232157.6/20

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

+ sign 29.577+/-0.004 χ^2/NDF: 5254616.3/42

All: 29.798+/-0.003 χ^2/NDF: 10686542.4/86

- sign 30.029+/-0.004 χ^2/NDF: 5426630.6/43



Right In: 0.000+/-0.000 χ^2/NDF: 17.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:43.7/24

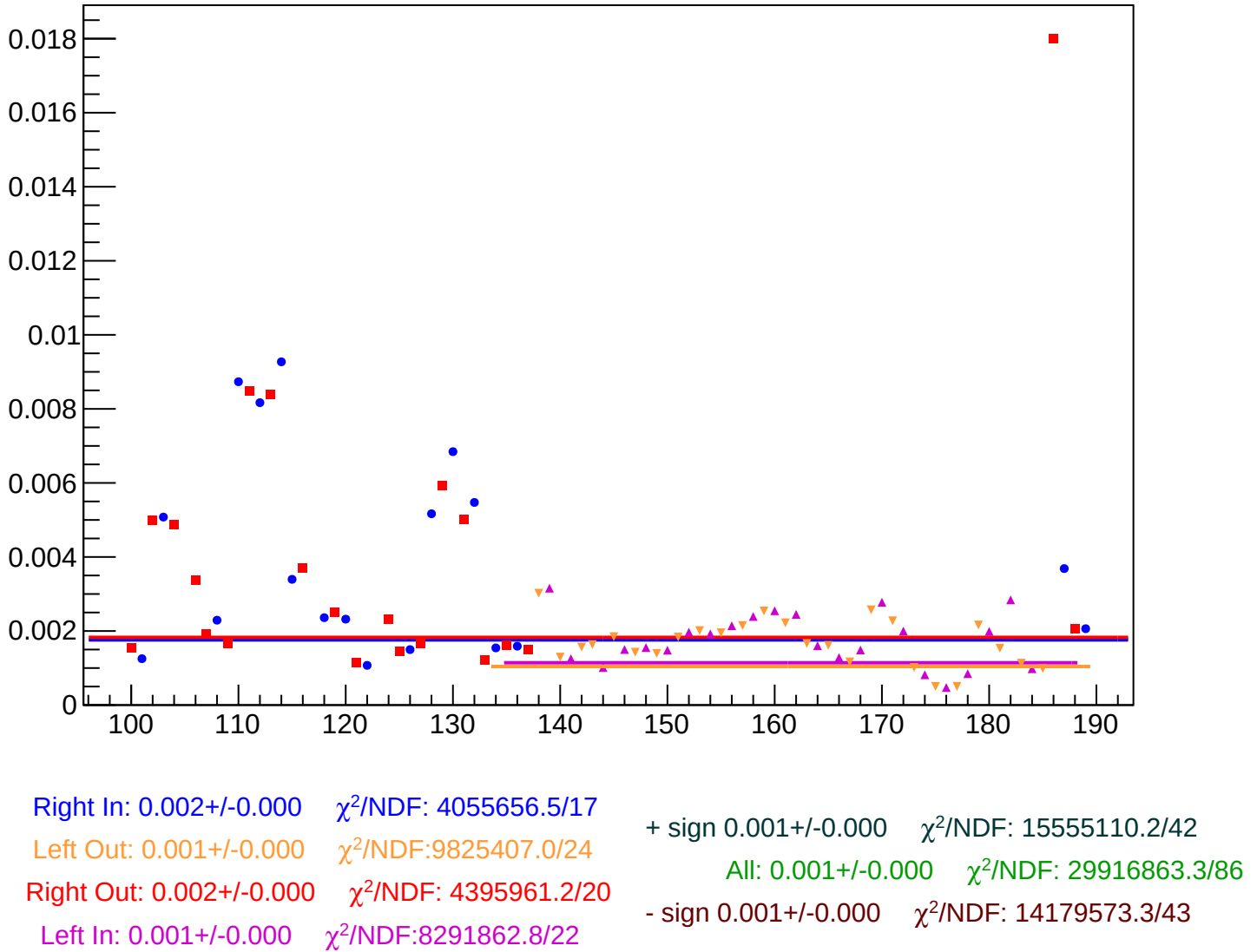
Right Out: 0.000+/-0.000 χ^2/NDF: 21.8/20

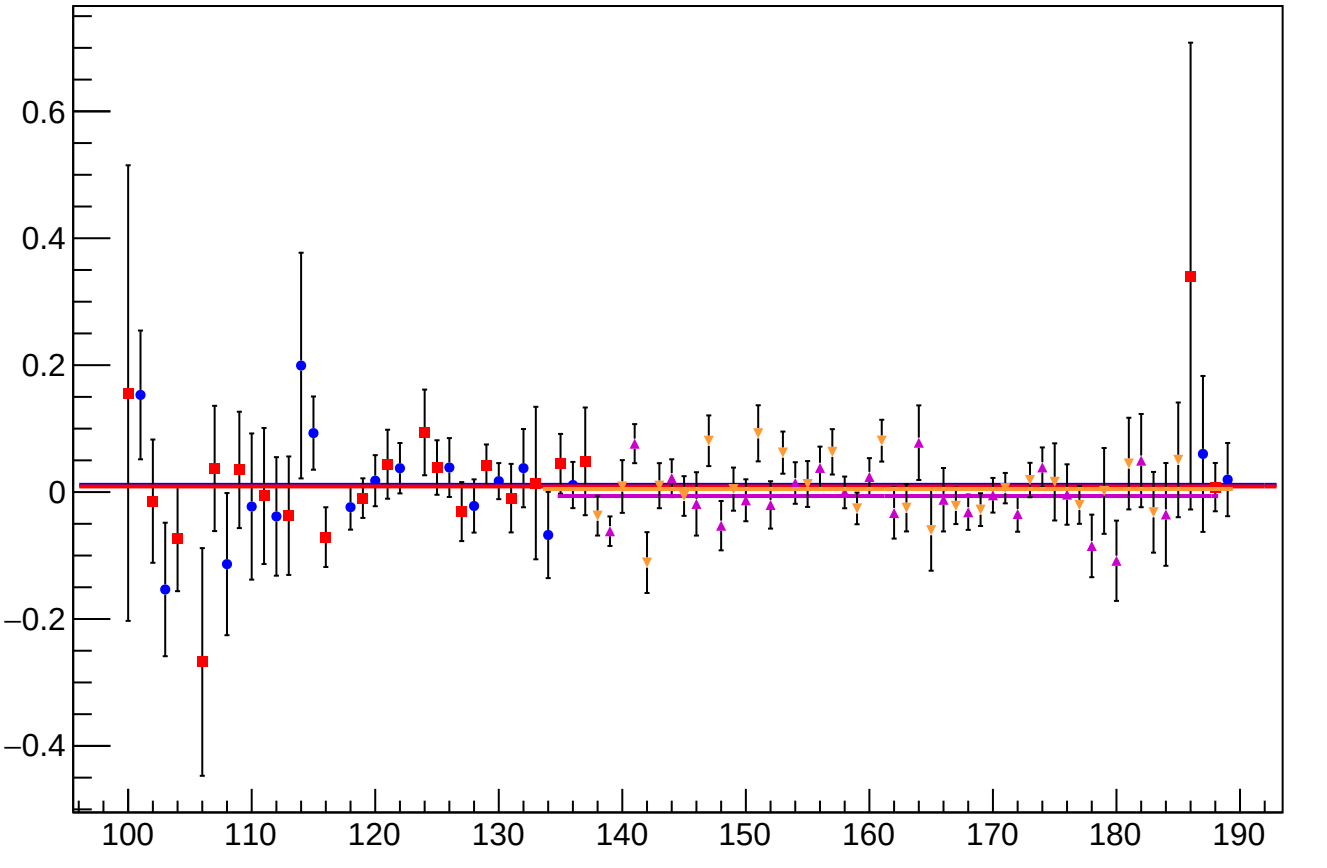
Left In: 0.000+/-0.000 χ^2/NDF:15.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 61.3/42

All: 0.000+/-0.000 χ^2/NDF: 98.9/86

- sign 0.000+/-0.000 χ^2/NDF: 37.3/43


asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.002+/-0.000 χ²/NDF: 4055656.5/17
Left Out: 0.001+/-0.000 χ²/NDF:9825407.0/24
Right Out: 0.002+/-0.000 χ²/NDF: 4395961.2/20
Left In: 0.001+/-0.000 χ²/NDF:8291862.8/22
+ sign 0.001+/-0.000 χ²/NDF: 15555110.2/42
All: 0.001+/-0.000 χ²/NDF: 29916863.3/86
- sign 0.001+/-0.000 χ²/NDF: 14179573.3/43



Right In: 0.011+/-0.012 χ^2/NDF: 13.3/17

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

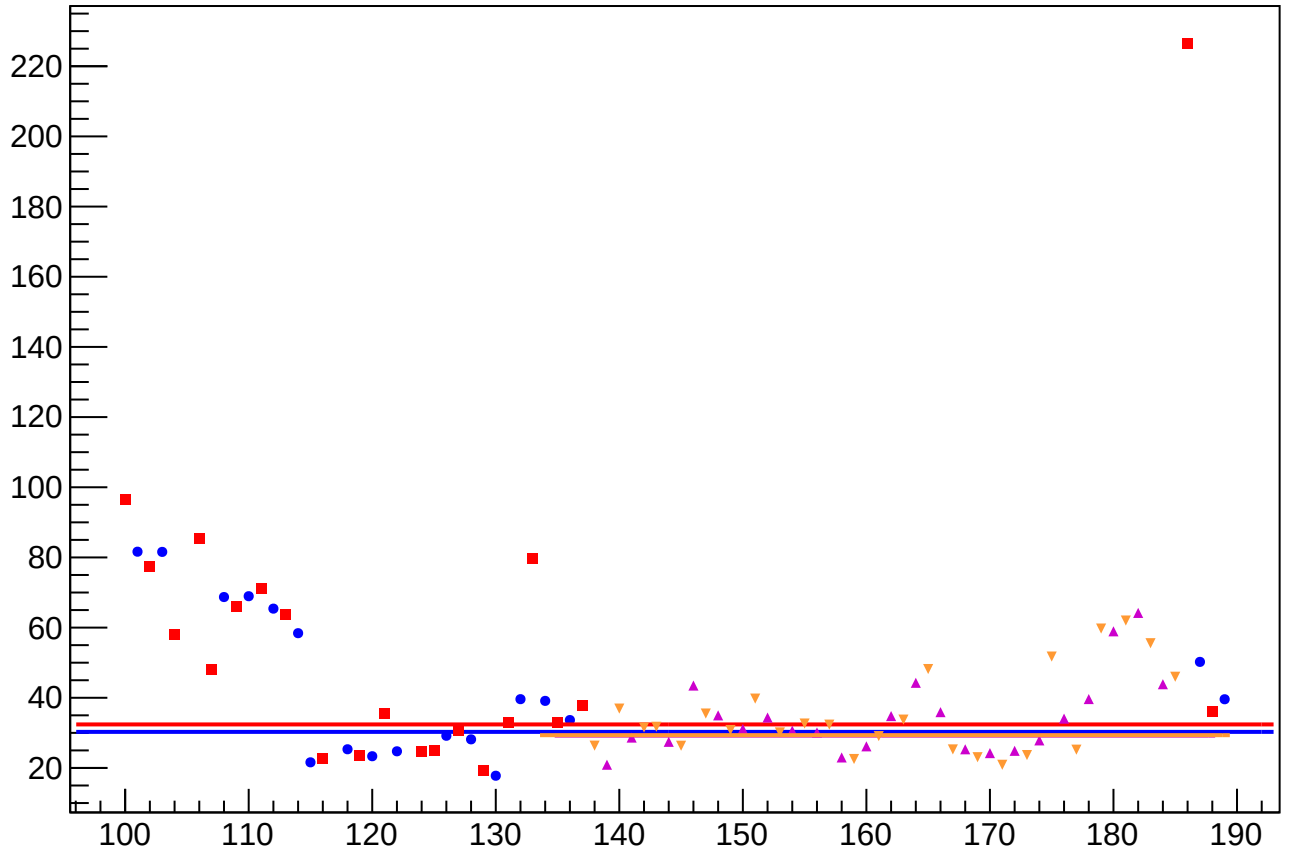
Right Out: 0.009+/-0.012 χ^2/NDF: 13.2/20

Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.007+/-0.006 χ^2/NDF: 47.5/42

All: 0.002+/-0.004 χ^2/NDF: 93.9/86

- sign -0.002+/-0.006 χ^2/NDF: 45.3/43



Right In: 30.282+/-0.009 χ^2/NDF: 2558722.2/17

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

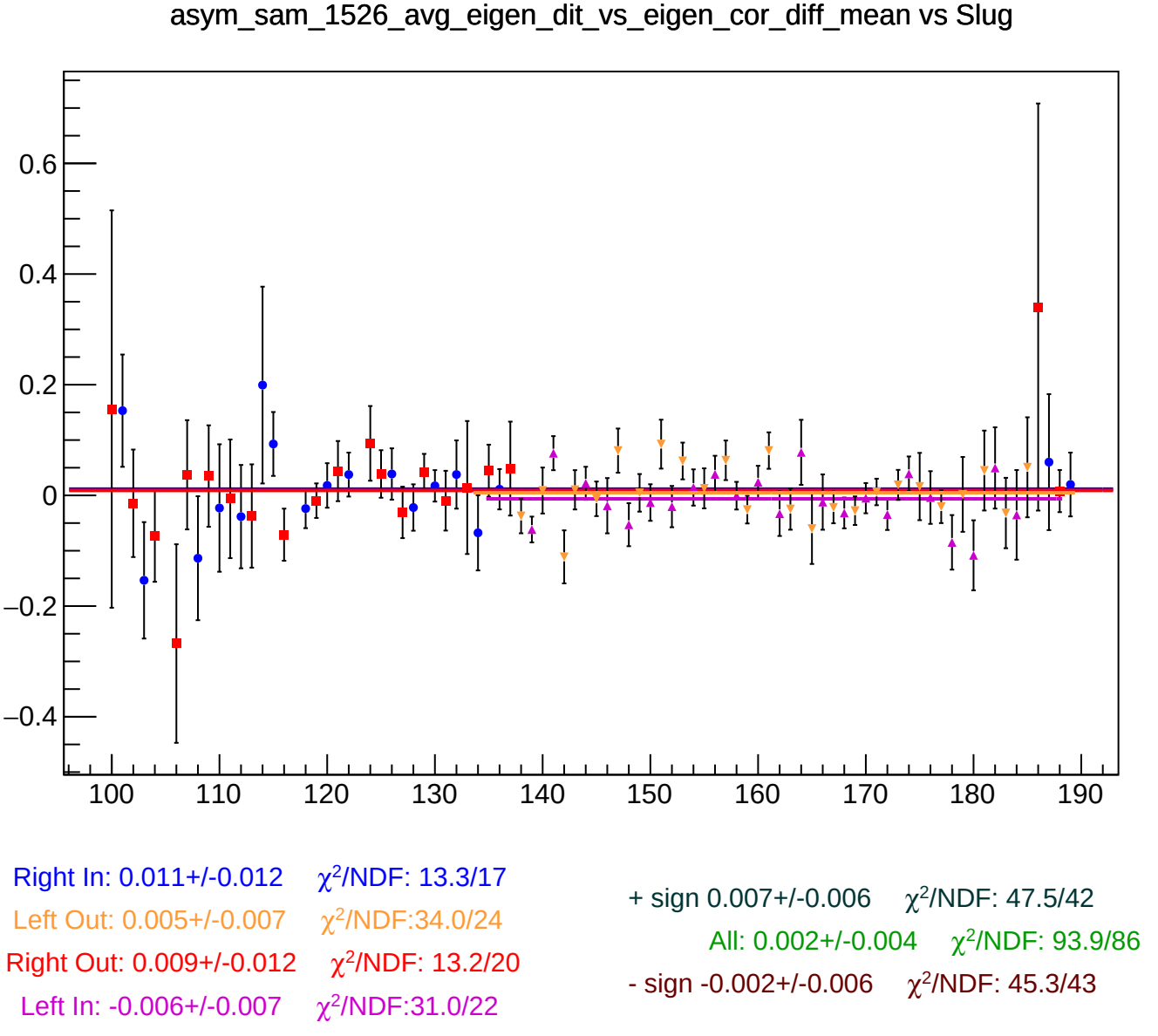
Right Out: 32.406+/-0.009 χ^2/NDF: 3232350.2/20

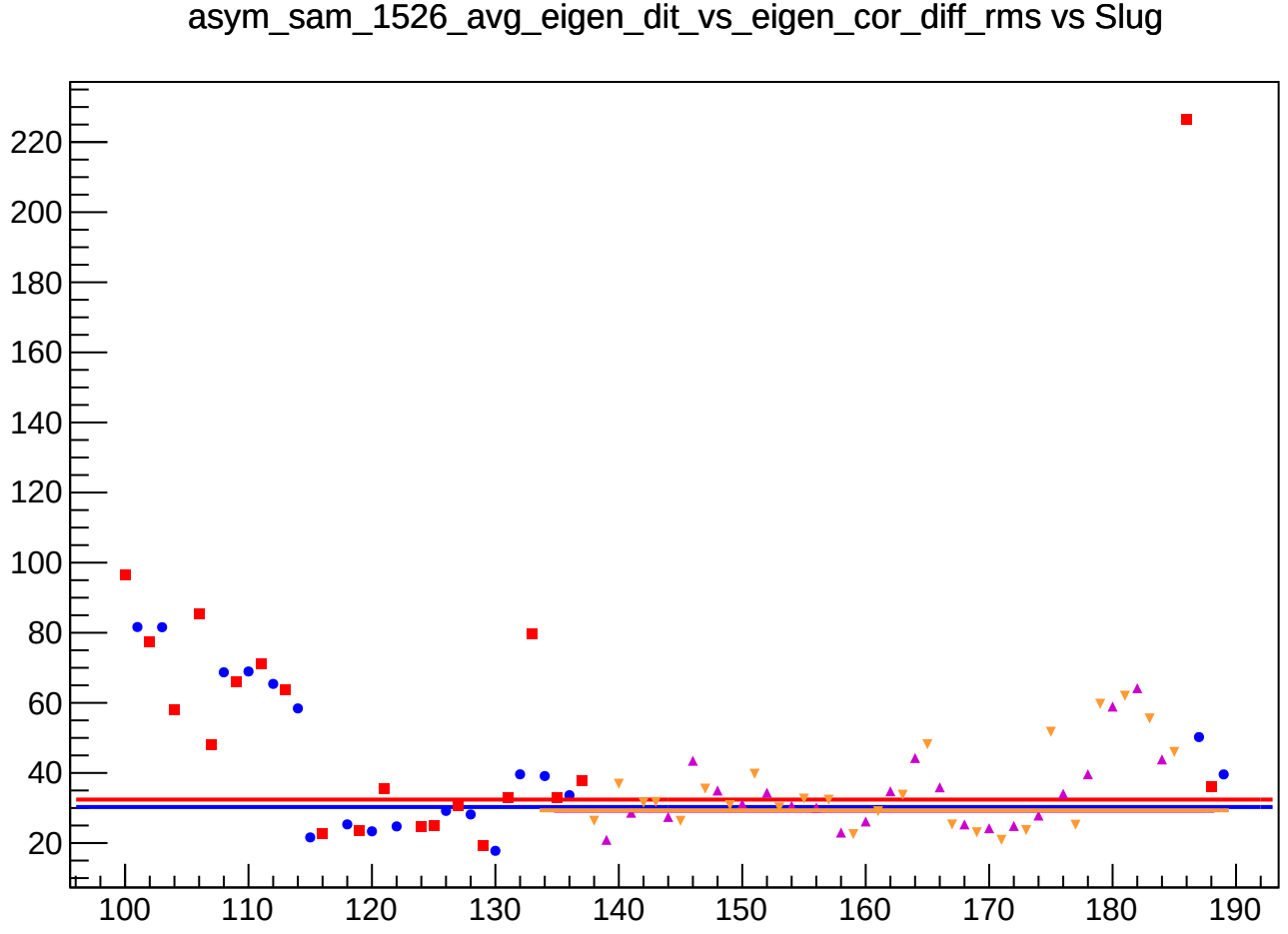
Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

\+ sign 29.577+/-0.004 χ^2/NDF: 5254867.4/42

All: 29.798+/-0.003 χ^2/NDF: 10686863.7/86

\- sign 30.029+/-0.004 χ^2/NDF: 5426695.8/43


asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.6
0.4
0.2
0
–0.2
–0.4
100
110
120
130
140
150
160
170
180
190
Right In: 0.011+/-0.012 χ²/NDF: 13.3/17
Left Out: 0.005+/-0.007 χ²/NDF:34.0/24
Right Out: 0.009+/-0.012 χ²/NDF: 13.2/20
Left In: -0.006+/-0.007 χ²/NDF:31.0/22
+ sign 0.007+/-0.006 χ²/NDF: 47.5/42
All: 0.002+/-0.004 χ²/NDF: 93.9/86
- sign -0.002+/-0.006 χ²/NDF: 45.3/43



Right In: 30.282+/-0.009 χ^2/NDF: 2558722.2/17

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

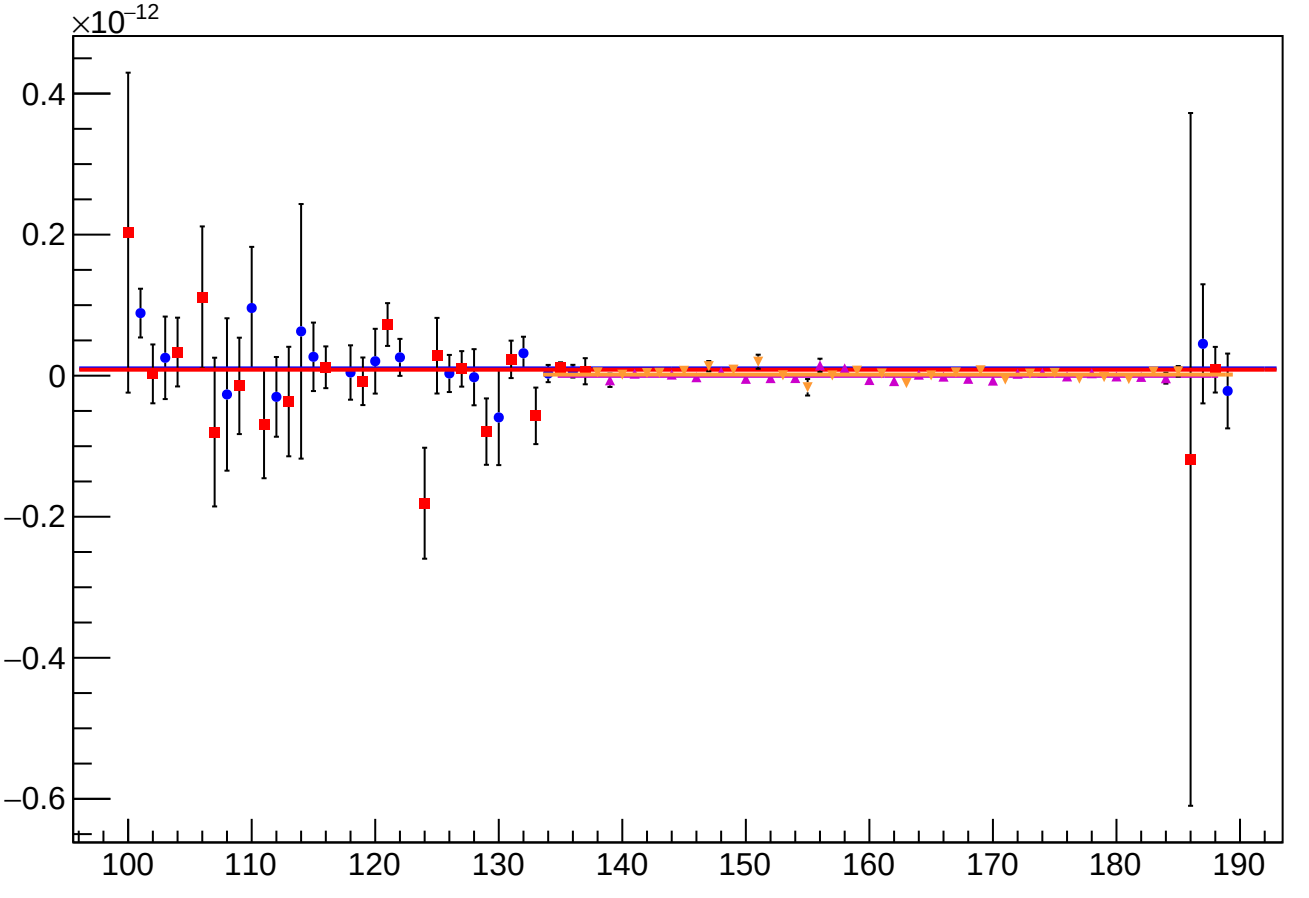
Right Out: 32.406+/-0.009 χ^2/NDF: 3232350.2/20

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

+ sign 29.577+/-0.004 χ^2/NDF: 5254867.4/42

All: 29.798+/-0.003 χ^2/NDF: 10686863.7/86

- sign 30.029+/-0.004 χ^2/NDF: 5426695.8/43



Right In: 0.000+/-0.000 χ^2/NDF: 10.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:35.0/24

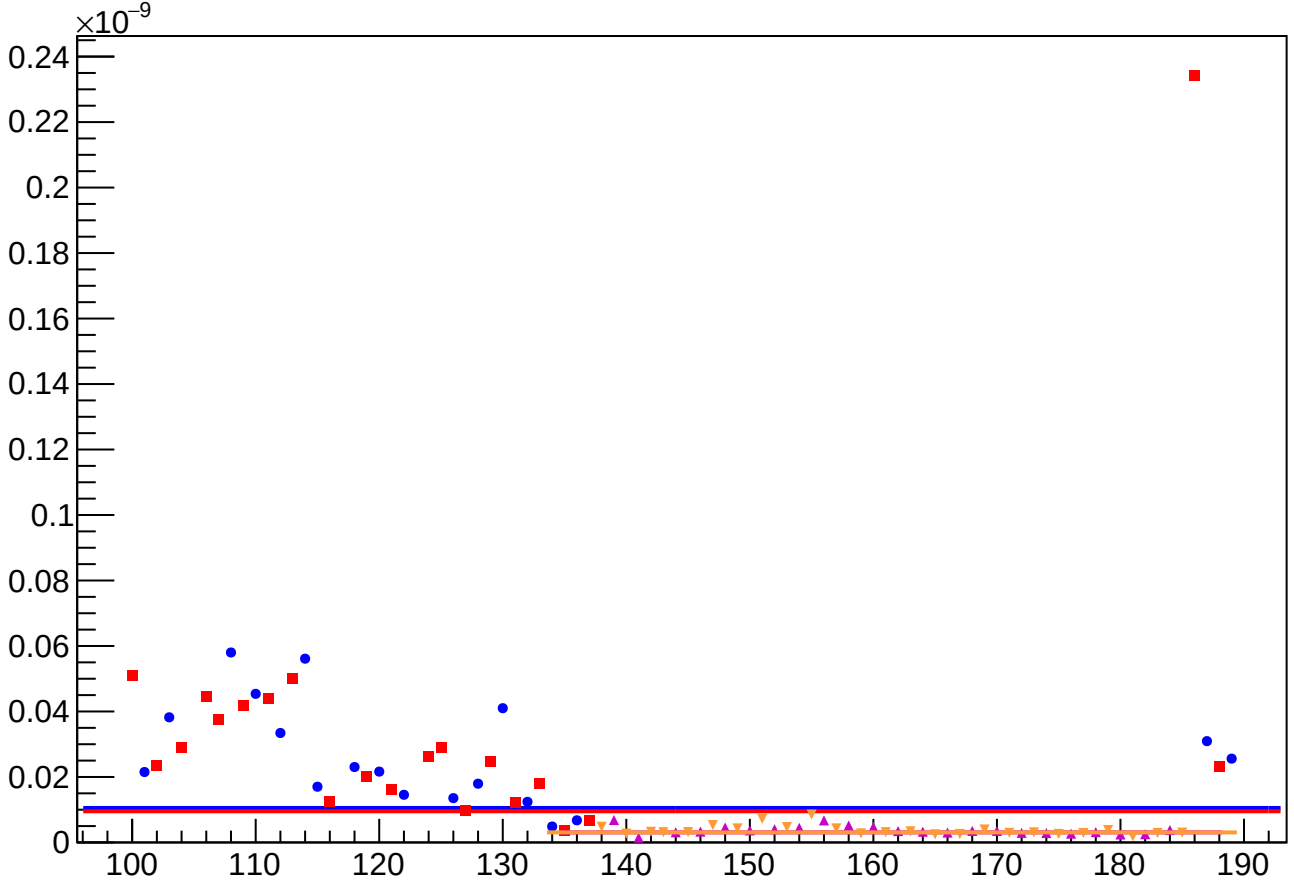
Right Out: 0.000+/-0.000 χ^2/NDF: 21.5/20

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 47.7/42

All: 0.000+/-0.000 χ^2/NDF: 91.7/86

- sign 0.000+/-0.000 χ^2/NDF: 42.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 3794696.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:2024861.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5295883.4/20

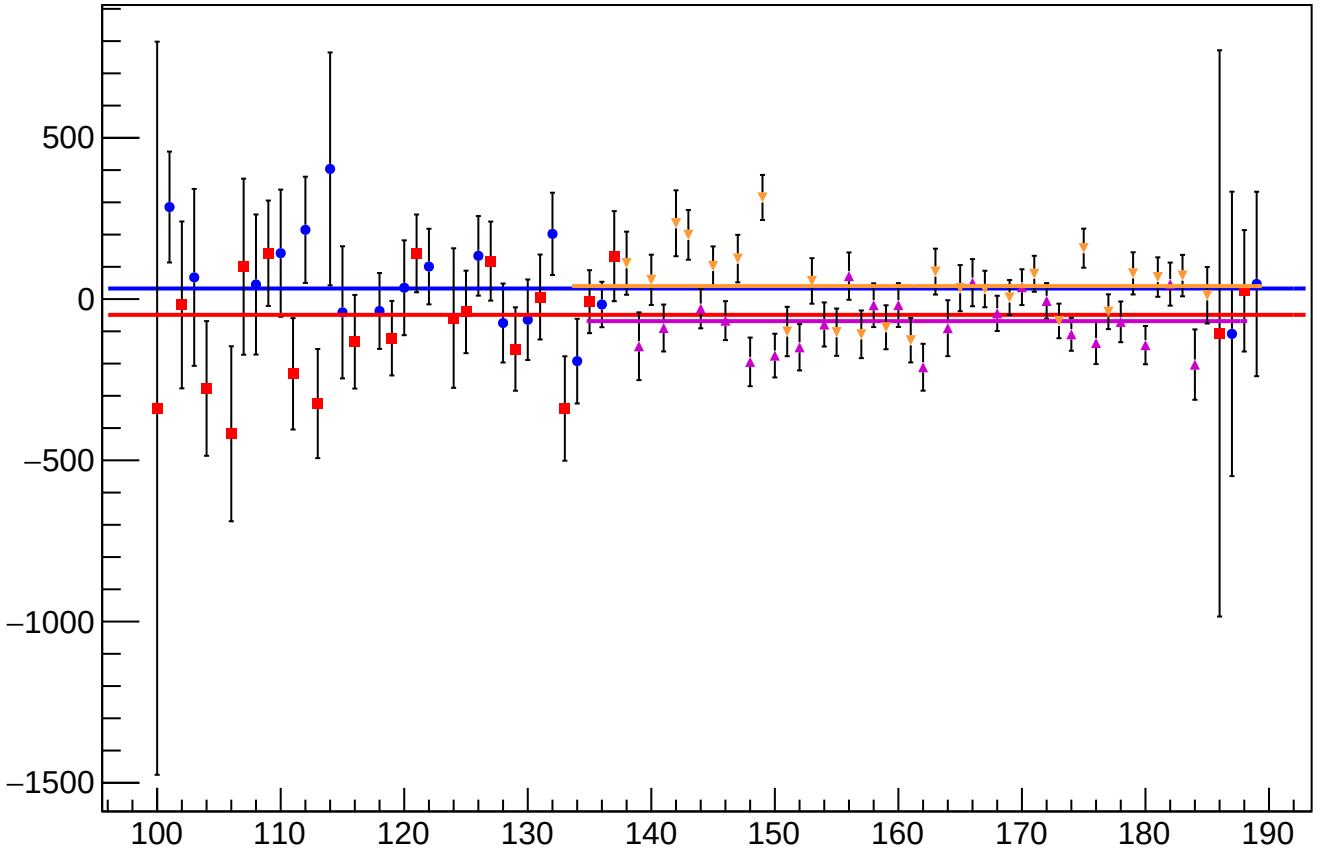
Left In: 0.000+/-0.000 χ^2/NDF:2149738.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 8894111.0/42

All: 0.000+/-0.000 χ^2/NDF: 18724398.6/86

- sign 0.000+/-0.000 χ^2/NDF: 9830260.2/43

reg_asym_sam_3726_avg_mean vs Slug



Right In: 32.798+/-33.548 χ^2/NDF: 12.9/17

Left Out: 40.342+/-13.402 χ^2/NDF:59.4/24

Right Out: -48.871+/-34.243 χ^2/NDF: 19.7/20

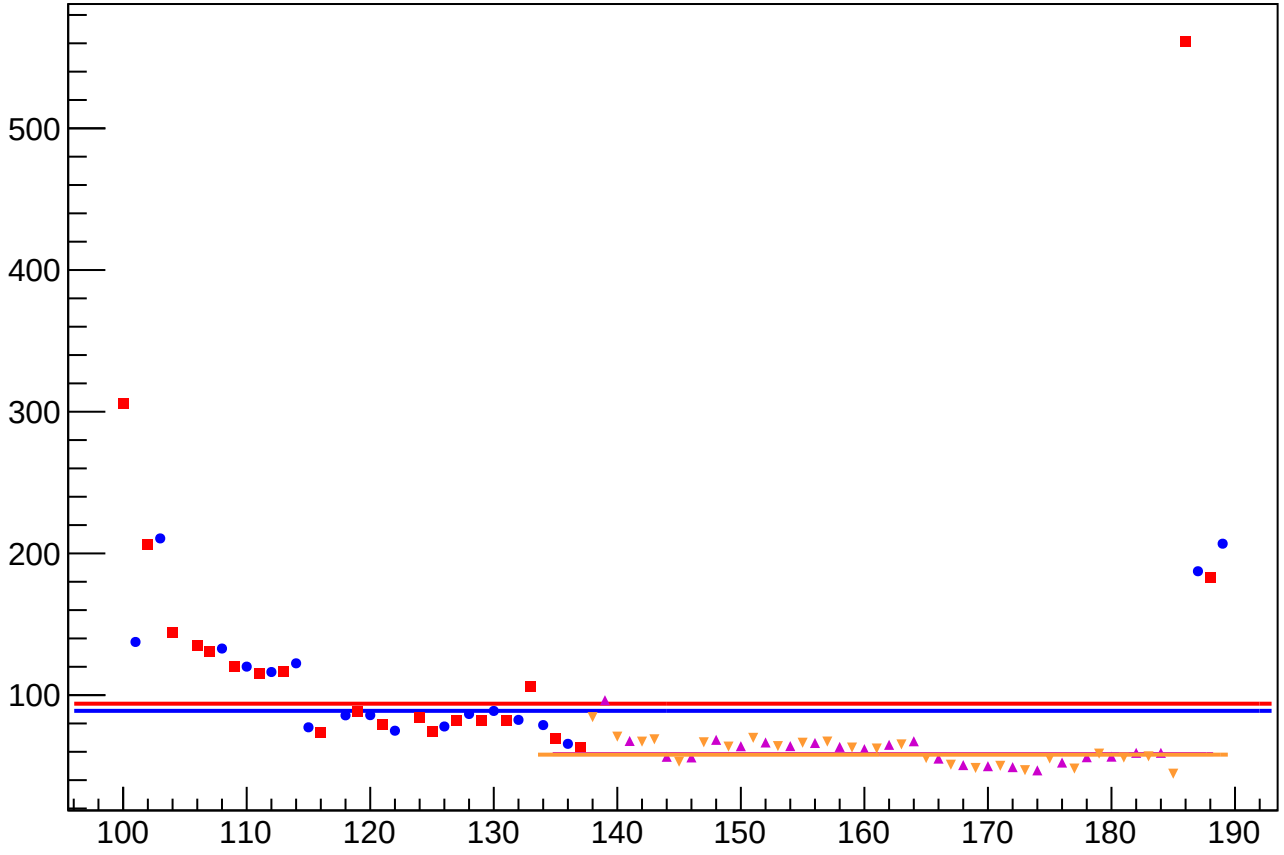
Left In: -68.344+/-13.866 χ^2/NDF:31.8/22

+ sign 39.304+/-12.446 χ^2/NDF: 72.4/42

All: -11.462+/-8.941 χ^2/NDF: 158.5/86

- sign -65.601+/-12.852 χ^2/NDF: 51.8/43

reg_asym_sam_3726_avg_rms vs Slug



Right In: 88.903+/-0.024 χ^2/NDF: 1487617.3/17

Left Out: 57.996+/-0.009 χ^2/NDF:807648.8/24

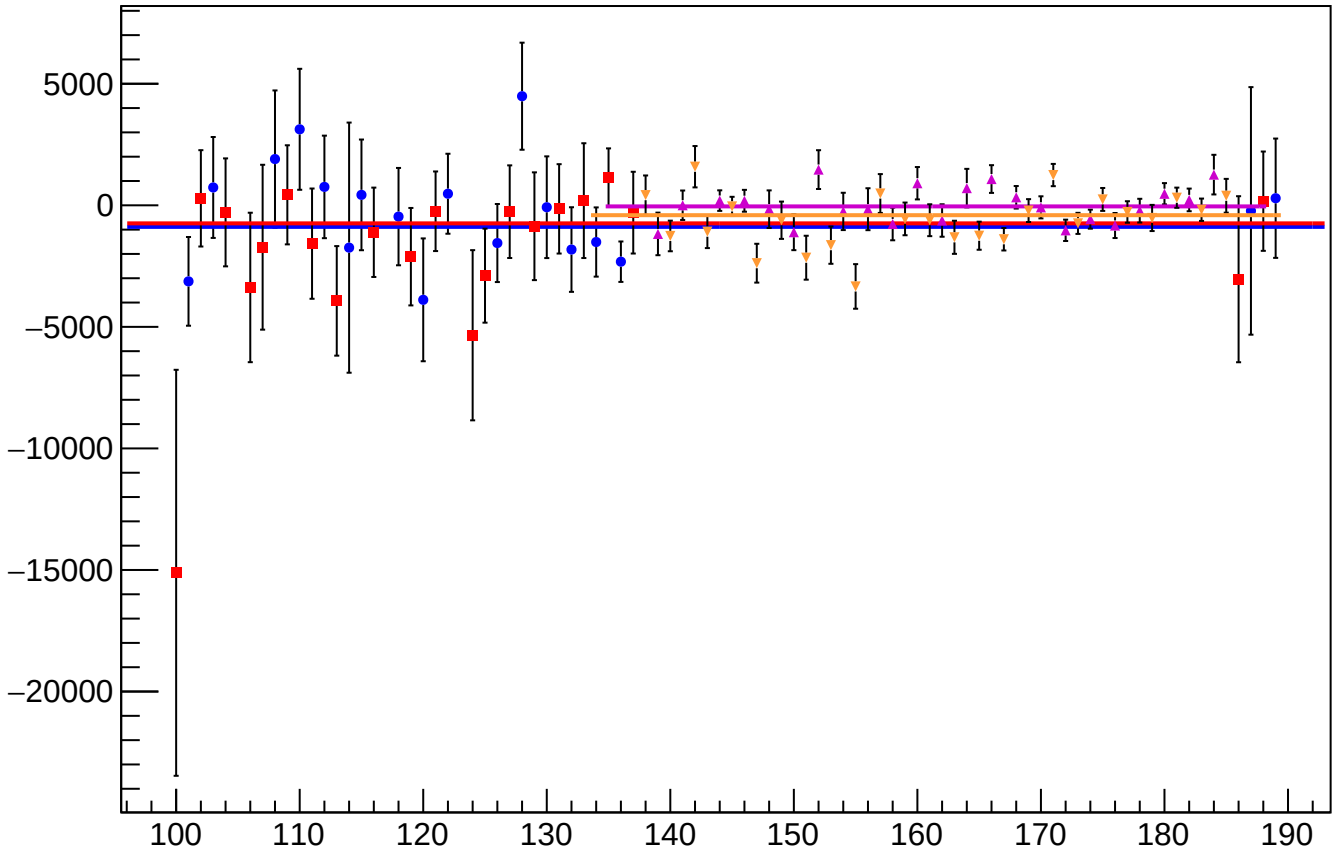
Right Out: 93.950+/-0.024 χ^2/NDF: 2190429.5/20

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 62.249+/-0.009 χ^2/NDF: 3759211.7/42

All: 62.809+/-0.006 χ^2/NDF: 8545474.1/86

- sign 63.405+/-0.009 χ^2/NDF: 4777911.8/43



Right In: -886.841+/-432.377 χ^2/NDF: 18.8/17

Left Out: -406.322+/-113.468 χ^2/NDF:63.2/24

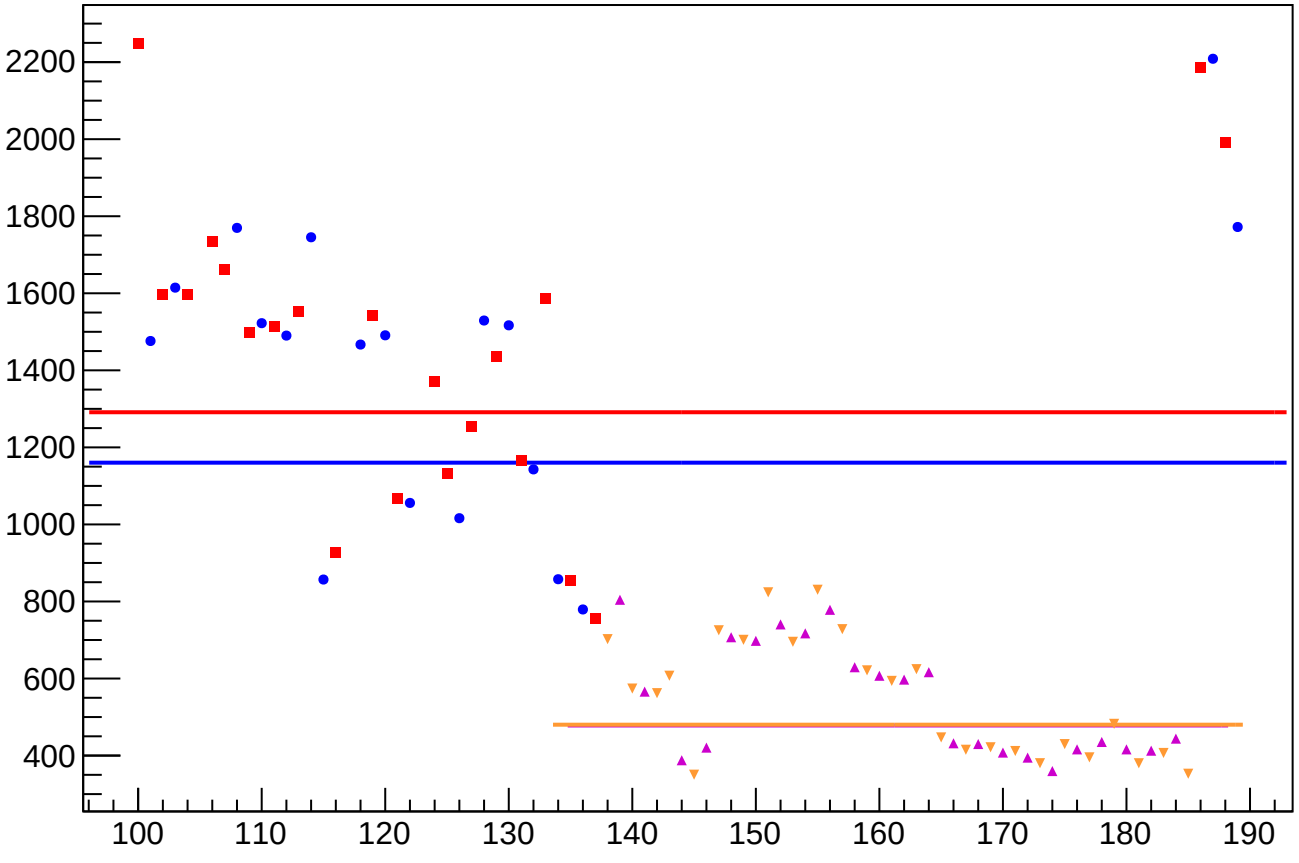
Right Out: -742.455+/-452.073 χ^2/NDF: 13.7/20

Left In: -44.831+/-115.765 χ^2/NDF:31.1/22

+ sign -437.282+/-109.751 χ^2/NDF: 83.1/42

All: -266.295+/-78.439 χ^2/NDF: 135.0/86

- sign -87.763+/-112.146 χ^2/NDF: 46.9/43



Right In: 1160.300+/-0.306 χ^2/NDF: 1341126.0/17

Left Out: 480.162+/-0.080 χ^2/NDF:2582213.9/24

Right Out: 1291.201+/-0.320 χ^2/NDF: 1294753.1/20

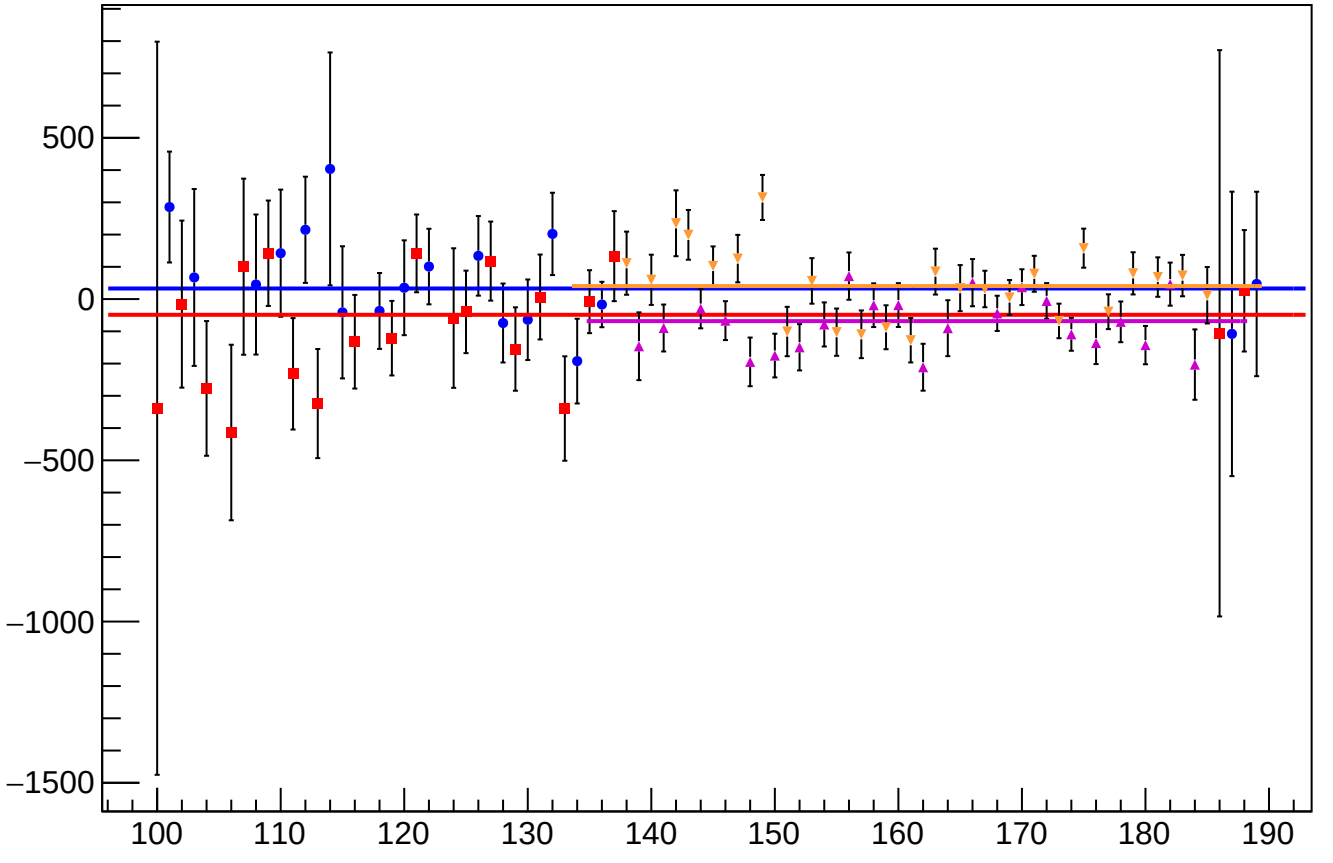
Left In: 478.084+/-0.082 χ^2/NDF:2215520.4/22

+ sign 523.984+/-0.078 χ^2/NDF: 8553285.5/42

All: 526.008+/-0.055 χ^2/NDF: 18137006.6/86

- sign 528.122+/-0.079 χ^2/NDF: 9582329.9/43

cor_asym_sam_3726_avg_mean vs Slug



Right In: 32.790+/-33.548 χ^2/NDF: 12.9/17

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: -48.727+/-34.245 χ^2/NDF: 19.7/20

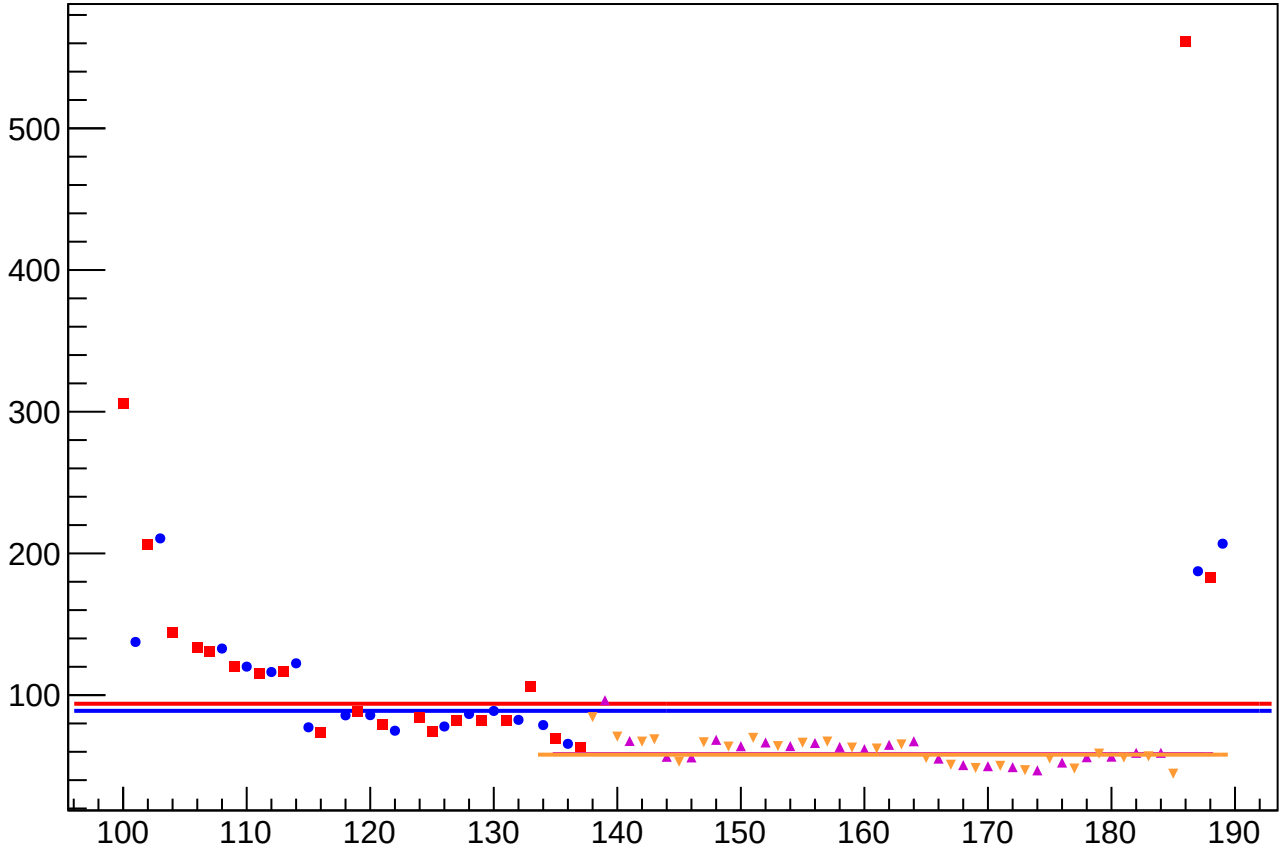
Left In: -68.343+/-13.866 χ^2/NDF:31.7/22

+ sign 39.304+/-12.446 χ^2/NDF: 72.4/42

All: -11.451+/-8.941 χ^2/NDF: 158.5/86

- sign -65.580+/-12.853 χ^2/NDF: 51.7/43

cor_asym_sam_3726_avg_rms vs Slug



Right In: 88.903+/-0.024 χ^2/NDF: 1487620.1/17

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

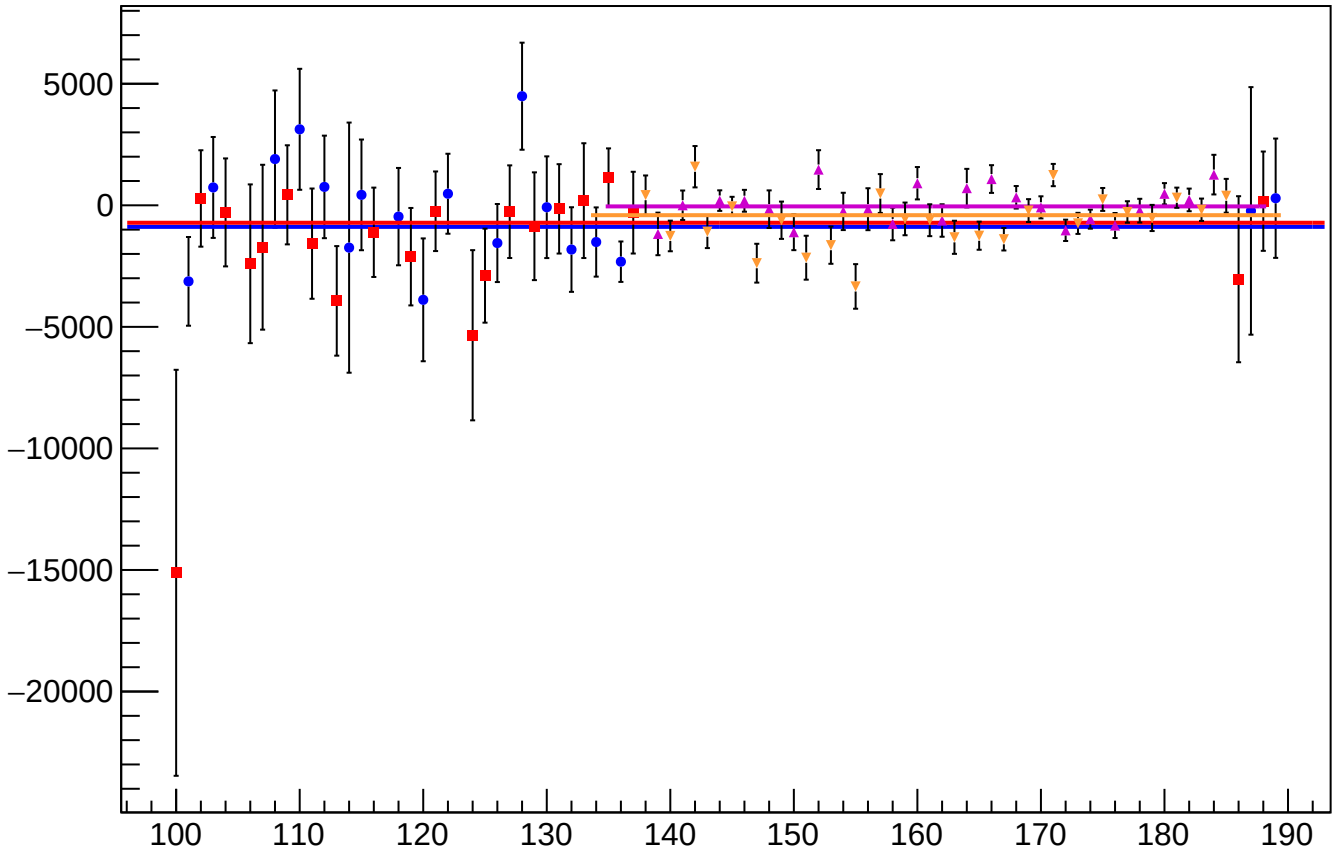
Right Out: 93.915+/-0.024 χ^2/NDF: 2186196.6/20

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 62.249+/-0.009 χ^2/NDF: 3759213.9/42

All: 62.806+/-0.006 χ^2/NDF: 8537295.0/86

- sign 63.400+/-0.009 χ^2/NDF: 4769809.7/43



Right In: -886.809+/-432.378 χ^2/NDF: 18.8/17

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

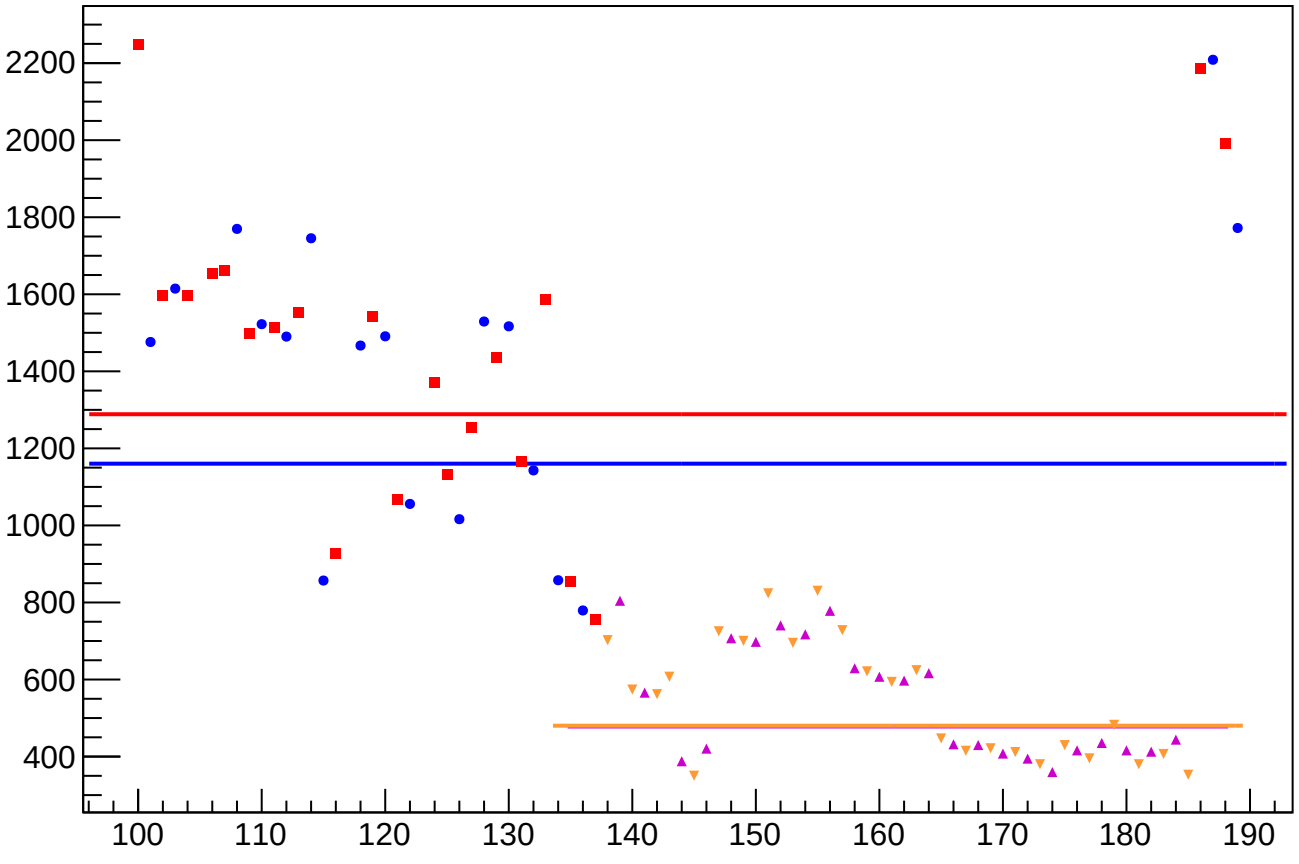
Right Out: -717.614+/-452.648 χ^2/NDF: 13.2/20

Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

+ sign -437.278+/-109.751 χ^2/NDF: 83.1/42

All: -265.510+/-78.442 χ^2/NDF: 134.4/86

- sign -86.134+/-112.155 χ^2/NDF: 46.3/43



Right In: 1160.302+/-0.306 χ^2/NDF: 1341161.7/17

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1288.647+/-0.320 χ^2/NDF: 1278466.1/20

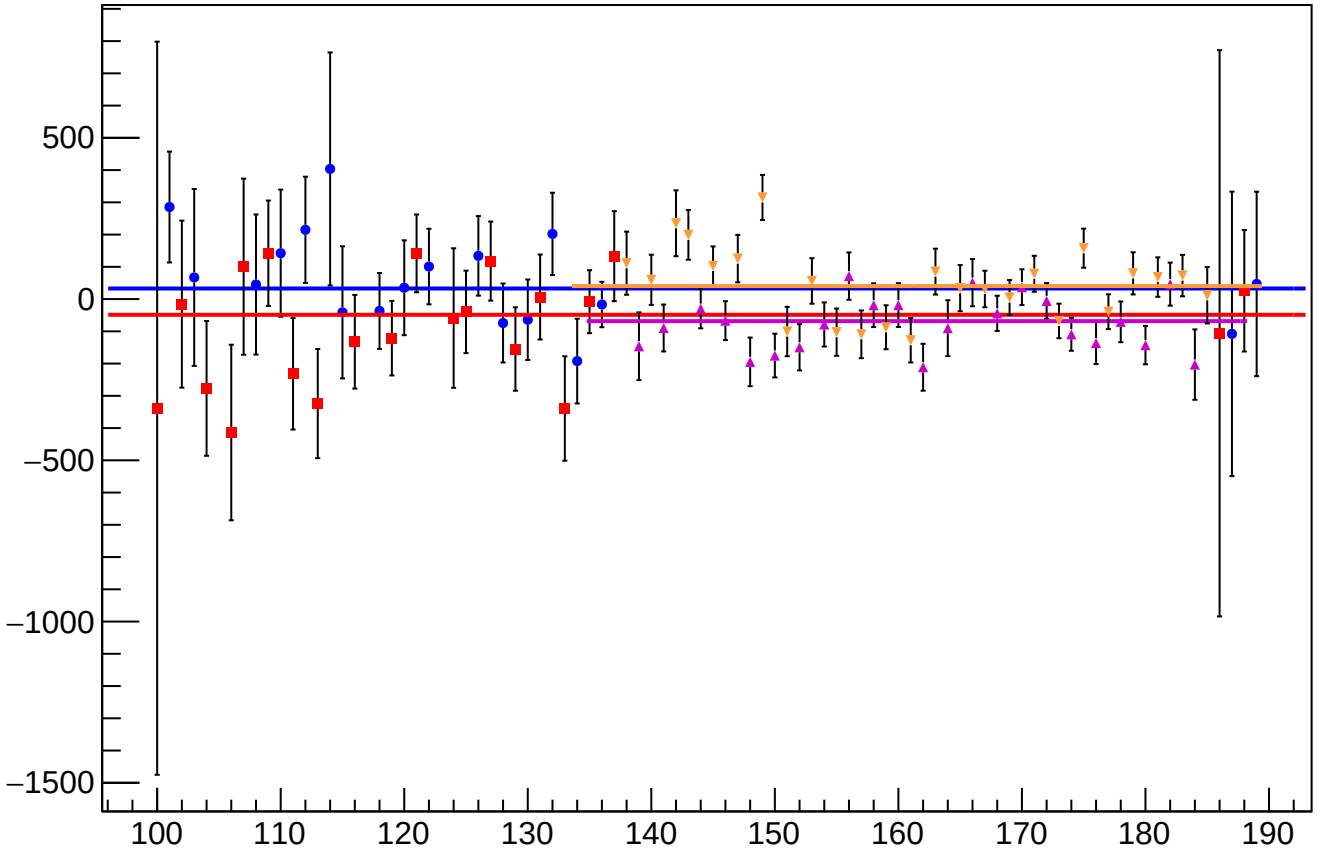
Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

+ sign 523.984+/-0.078 χ^2/NDF: 8553312.1/42

All: 525.873+/-0.055 χ^2/NDF: 18068105.0/86

- sign 527.847+/-0.079 χ^2/NDF: 9513581.0/43

eigen_cor_asym_sam_3726_avg_mean vs Slug



Right In: 32.790+/-33.548 χ^2/NDF: 12.9/17

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: -48.727+/-34.245 χ^2/NDF: 19.7/20

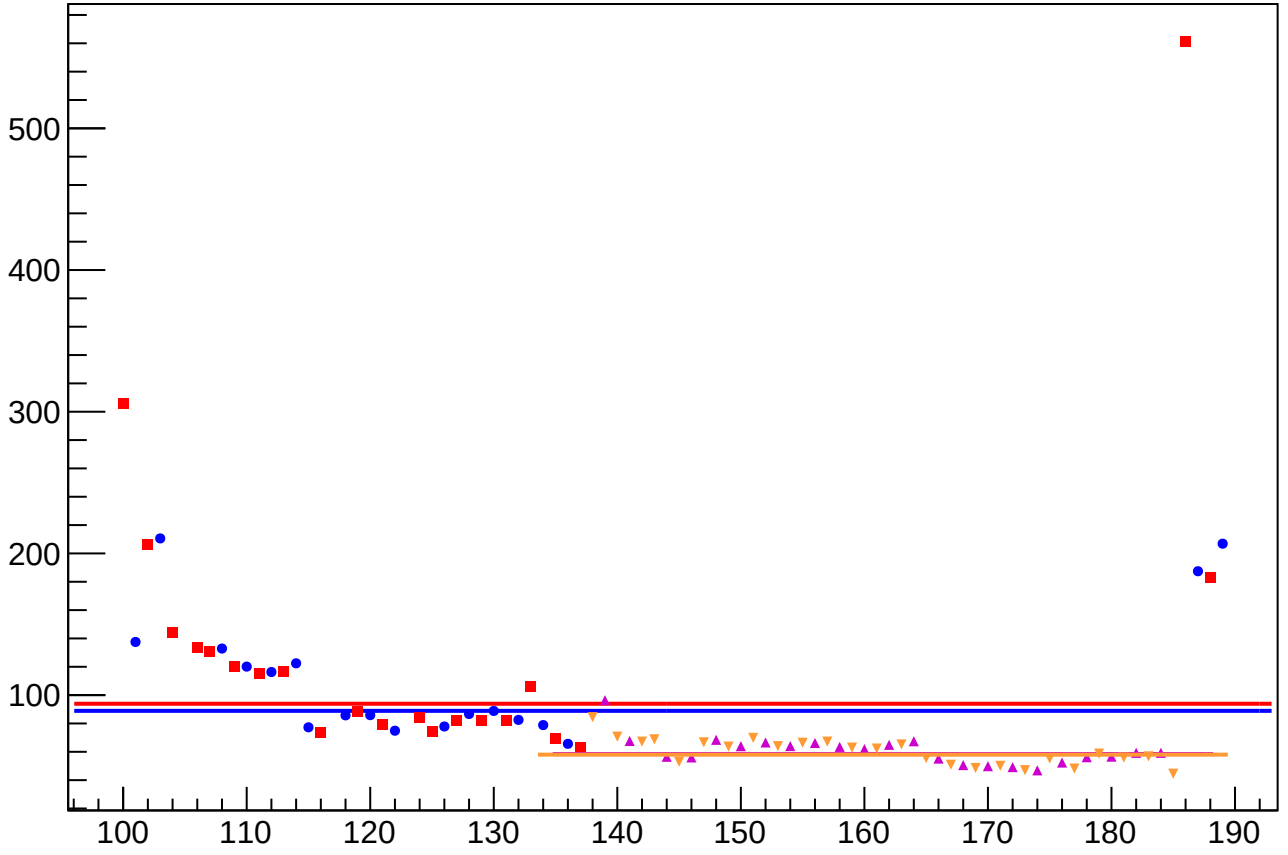
Left In: -68.343+/-13.866 χ^2/NDF:31.7/22

+ sign 39.304+/-12.446 χ^2/NDF: 72.4/42

All: -11.451+/-8.941 χ^2/NDF: 158.5/86

- sign -65.580+/-12.853 χ^2/NDF: 51.7/43

eigen_cor_asym_sam_3726_avg_rms vs Slug



Right In: 88.903+/-0.024 χ^2/NDF: 1487620.1/17

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

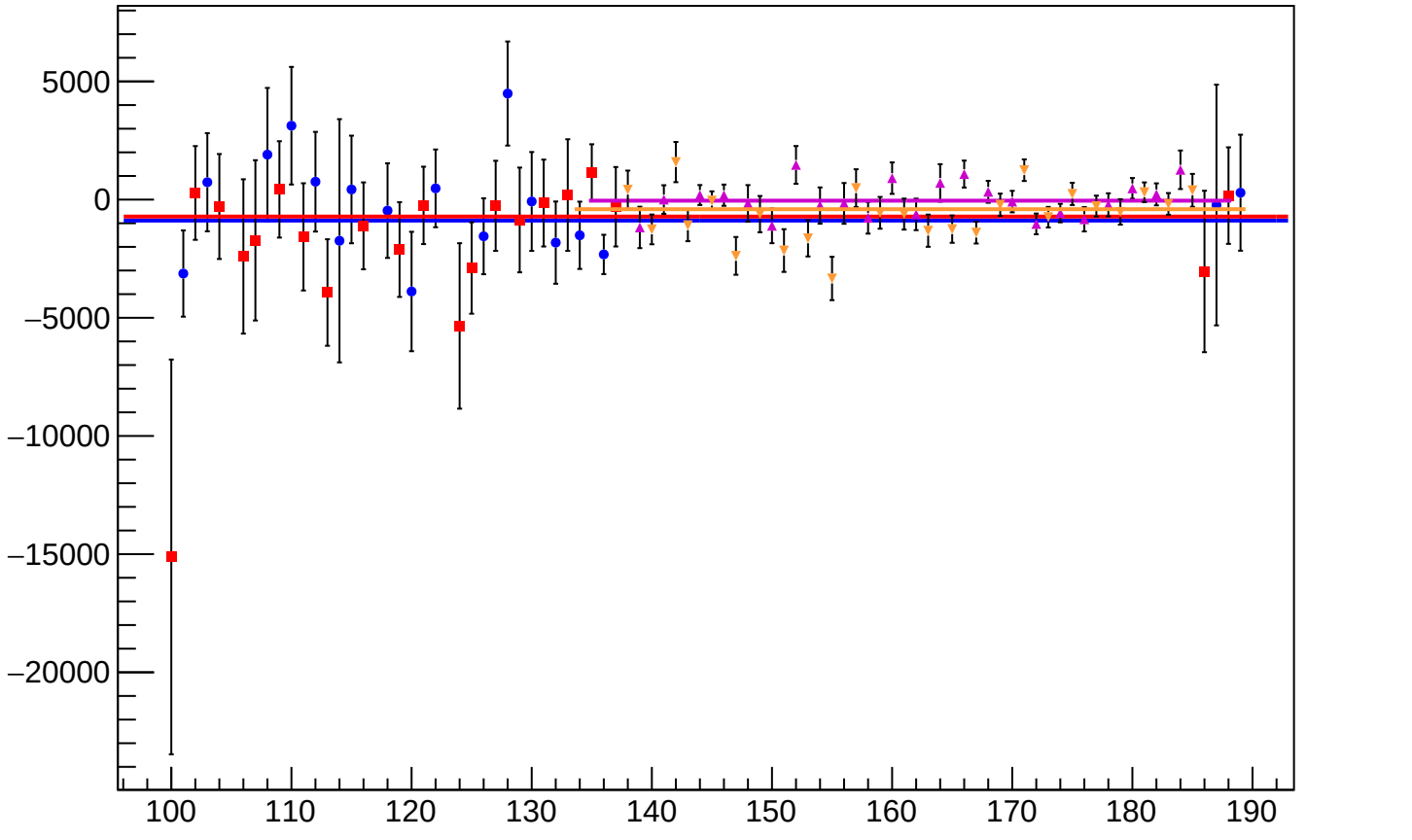
Right Out: 93.915+/-0.024 χ^2/NDF: 2186196.6/20

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 62.249+/-0.009 χ^2/NDF: 3759213.9/42

All: 62.806+/-0.006 χ^2/NDF: 8537295.0/86

- sign 63.400+/-0.009 χ^2/NDF: 4769809.7/43



Right In: -886.809+/-432.378 χ^2/NDF: 18.8/17

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

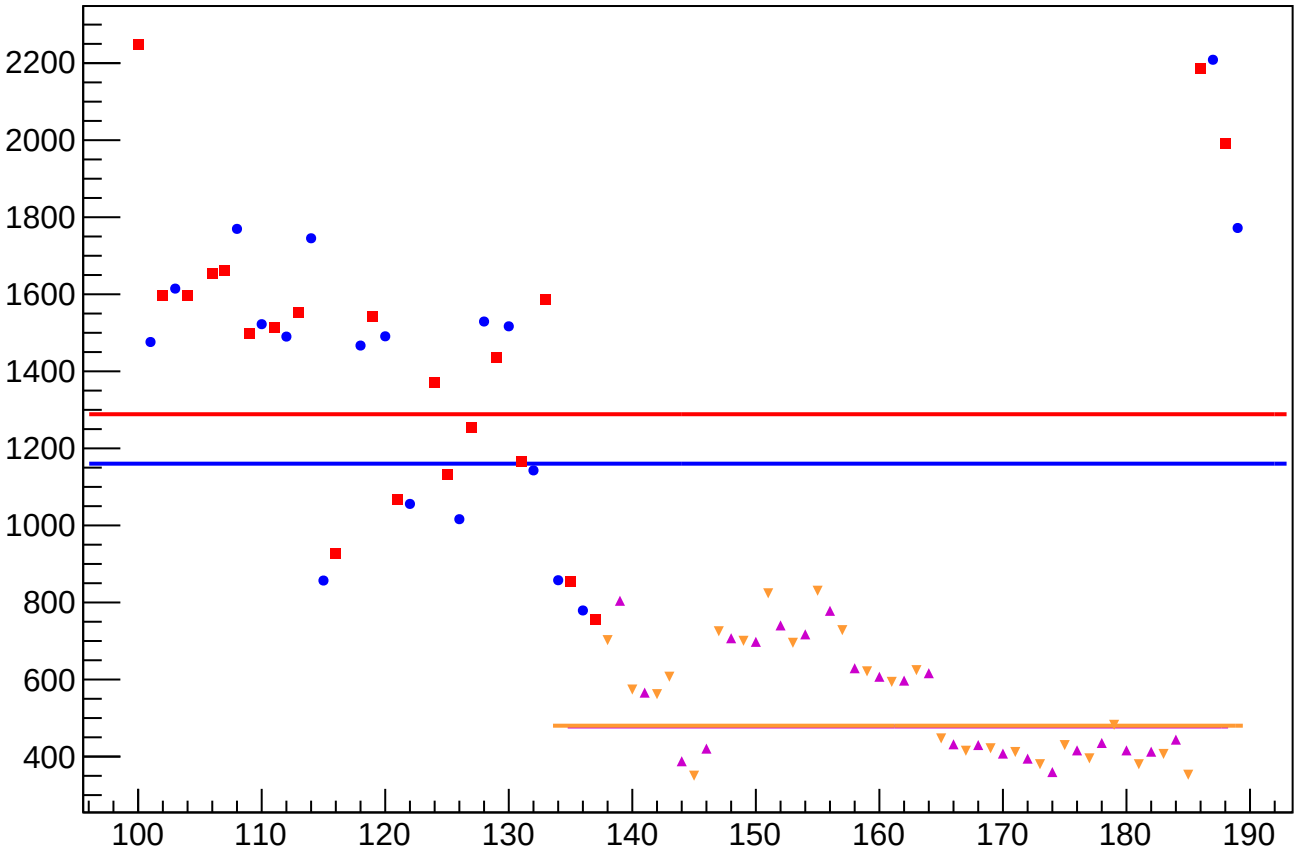
Right Out: -717.614+/-452.648 χ^2/NDF: 13.2/20

Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

+ sign -437.278+/-109.751 χ^2/NDF: 83.1/42

All: -265.510+/-78.442 χ^2/NDF: 134.4/86

- sign -86.134+/-112.155 χ^2/NDF: 46.3/43



Right In: 1160.302+/-0.306 χ^2/NDF: 1341161.7/17

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1288.647+/-0.320 χ^2/NDF: 1278466.1/20

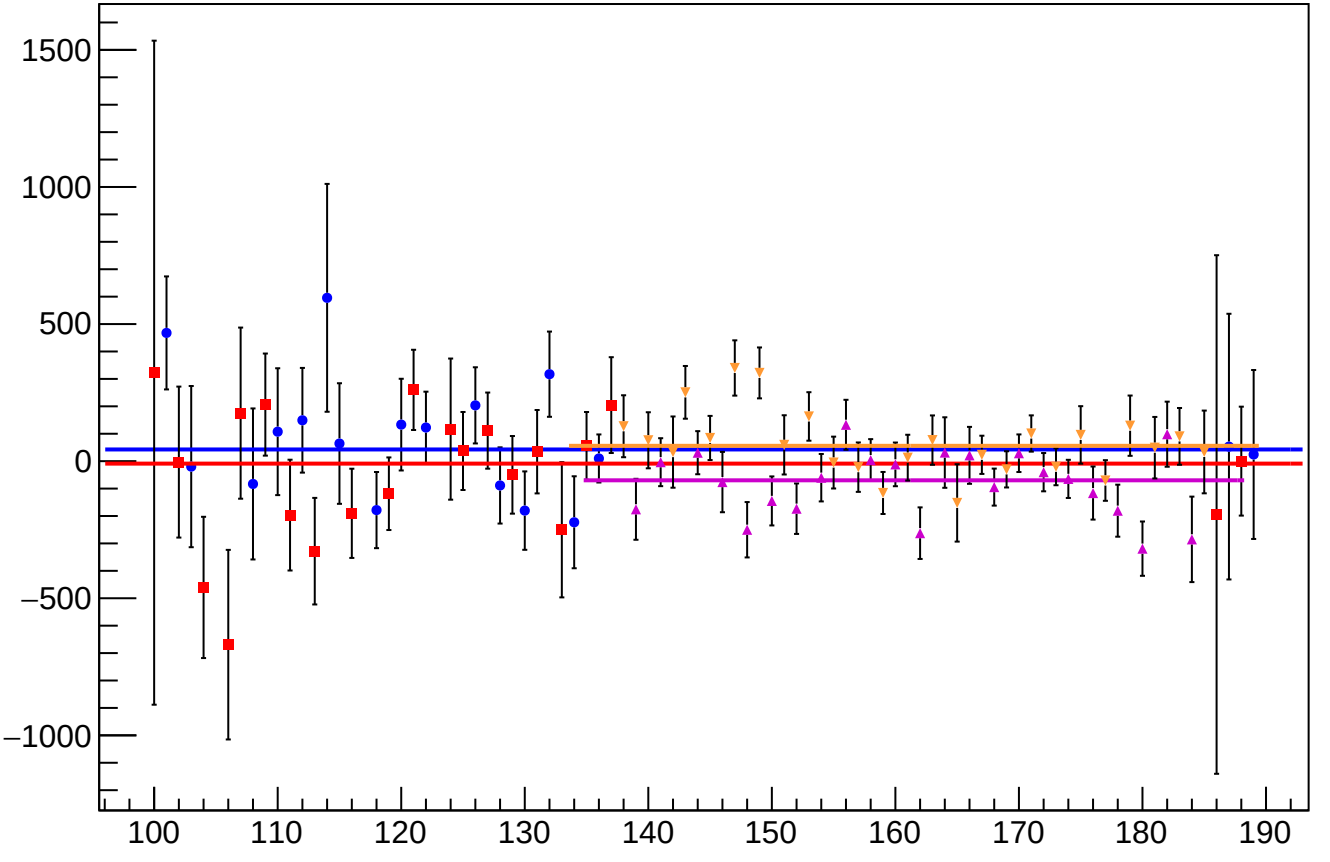
Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

+ sign 523.984+/-0.078 χ^2/NDF: 8553312.1/42

All: 525.873+/-0.055 χ^2/NDF: 18068105.0/86

- sign 527.847+/-0.079 χ^2/NDF: 9513581.0/43

dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.677+/-39.484 χ^2/NDF: 20.3/17

Left Out: 55.949+/-17.949 χ^2/NDF:38.3/24

Right Out: -8.952+/-40.173 χ^2/NDF: 21.4/20

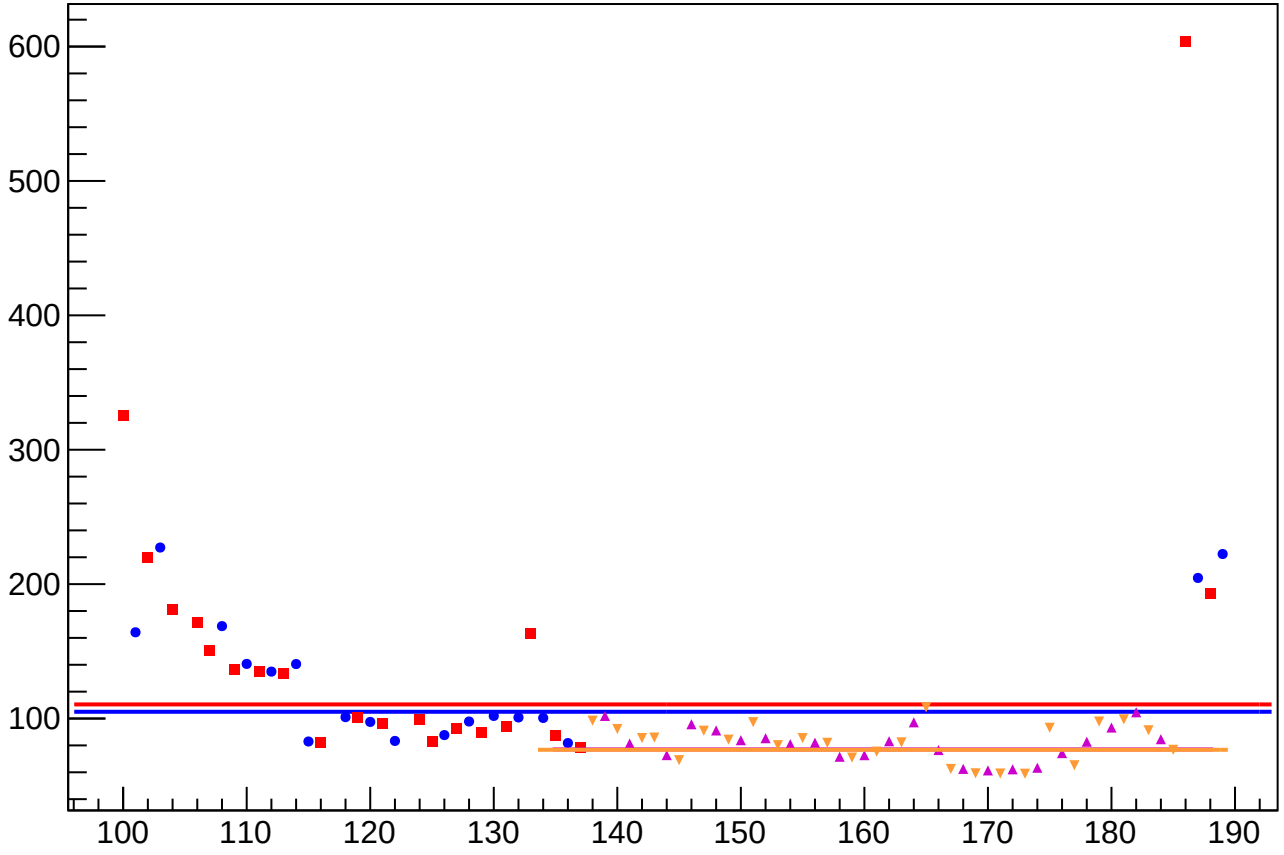
Left In: -69.844+/-18.497 χ^2/NDF:34.5/22

+ sign 53.676+/-16.340 χ^2/NDF: 58.7/42

All: -1.188+/-11.714 χ^2/NDF: 139.7/86

- sign -59.193+/-16.801 χ^2/NDF: 57.8/43

dit_asym_sam_3726_avg_rms vs Slug



Right In: 105.029+/-0.028 χ^2/NDF: 1365927.0/17

Left Out: 76.744+/-0.013 χ^2/NDF:1234629.1/24

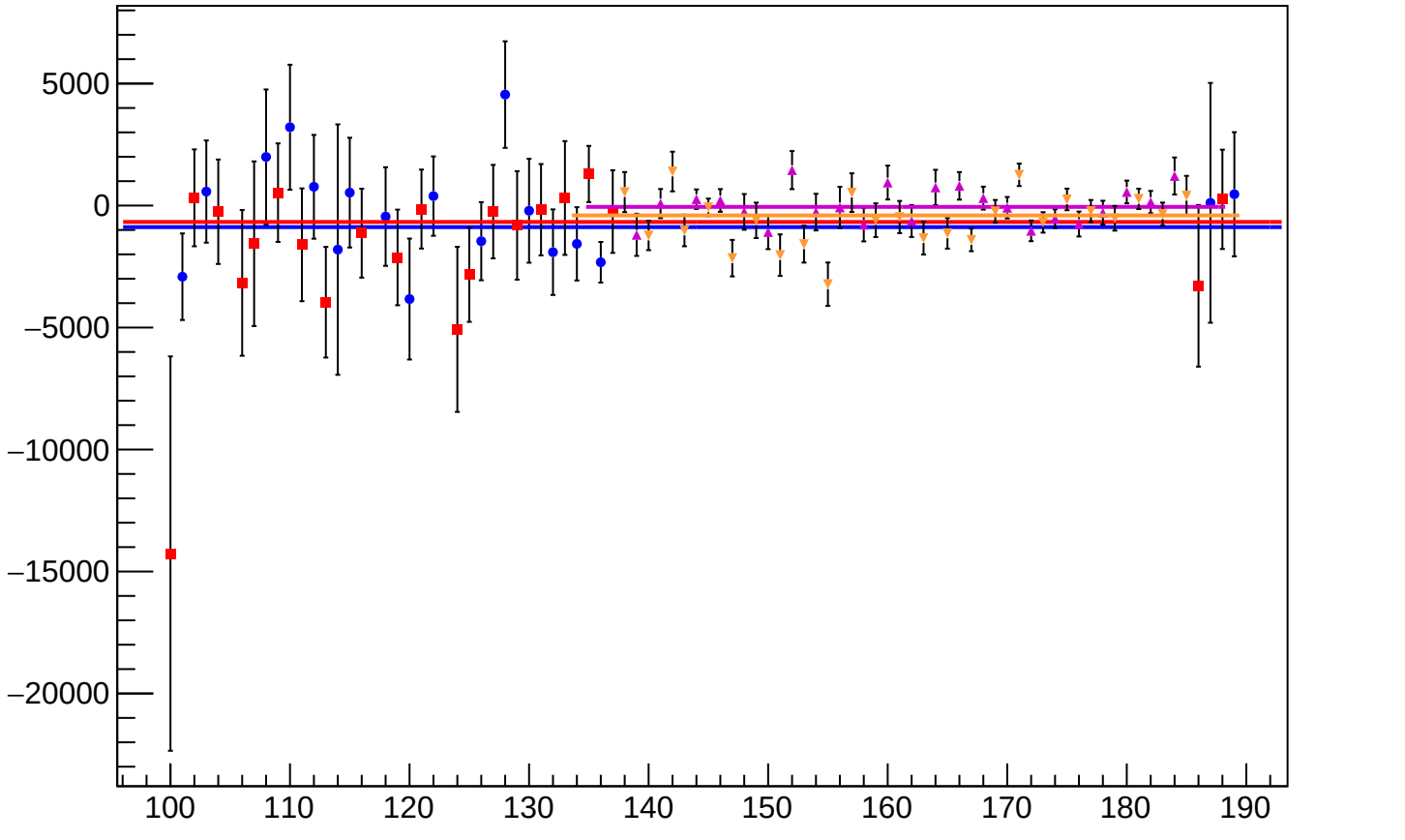
Right Out: 110.500+/-0.028 χ^2/NDF: 2106494.2/20

Left In: 77.018+/-0.013 χ^2/NDF:858871.7/22

+ sign 81.588+/-0.012 χ^2/NDF: 3451134.2/42

All: 82.213+/-0.008 χ^2/NDF: 7568773.5/86

- sign 82.874+/-0.012 χ^2/NDF: 4111614.0/43



Right In: -883.466+/-434.459 χ^2/NDF: 18.8/17

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: -671.738+/-447.528 χ^2/NDF: 14.3/20

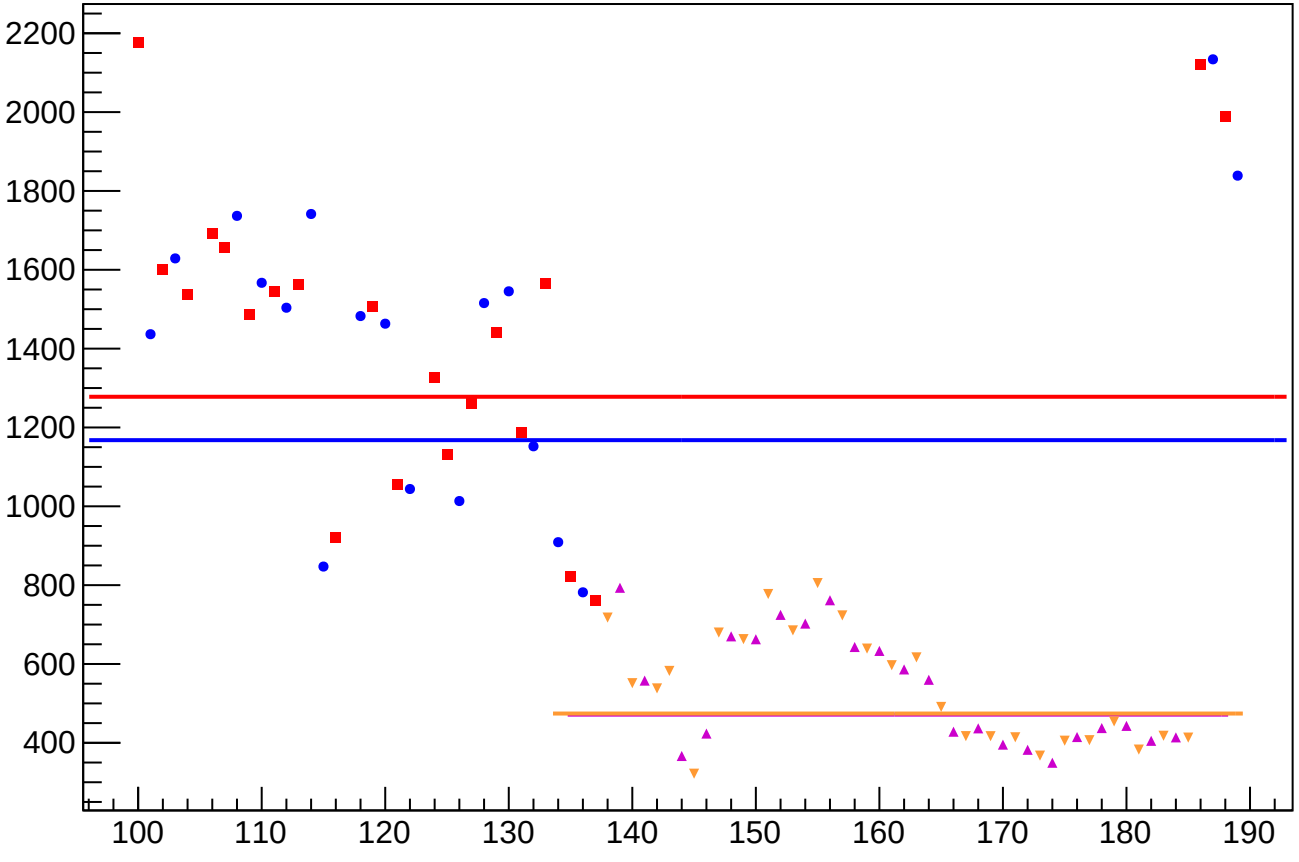
Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

+ sign -433.179+/-108.248 χ^2/NDF: 80.7/42

All: -266.352+/-77.387 χ^2/NDF: 132.3/86

- sign -91.960+/-110.675 χ^2/NDF: 46.8/43

asym_sam_3726_avg_dit_correction_rms vs Slug



Right In: 1167.824+/-0.307 χ^2/NDF: 1317952.9/17

Left Out: 474.294+/-0.079 χ^2/NDF:2538995.4/24

Right Out: 1277.883+/-0.316 χ^2/NDF: 1321669.0/20

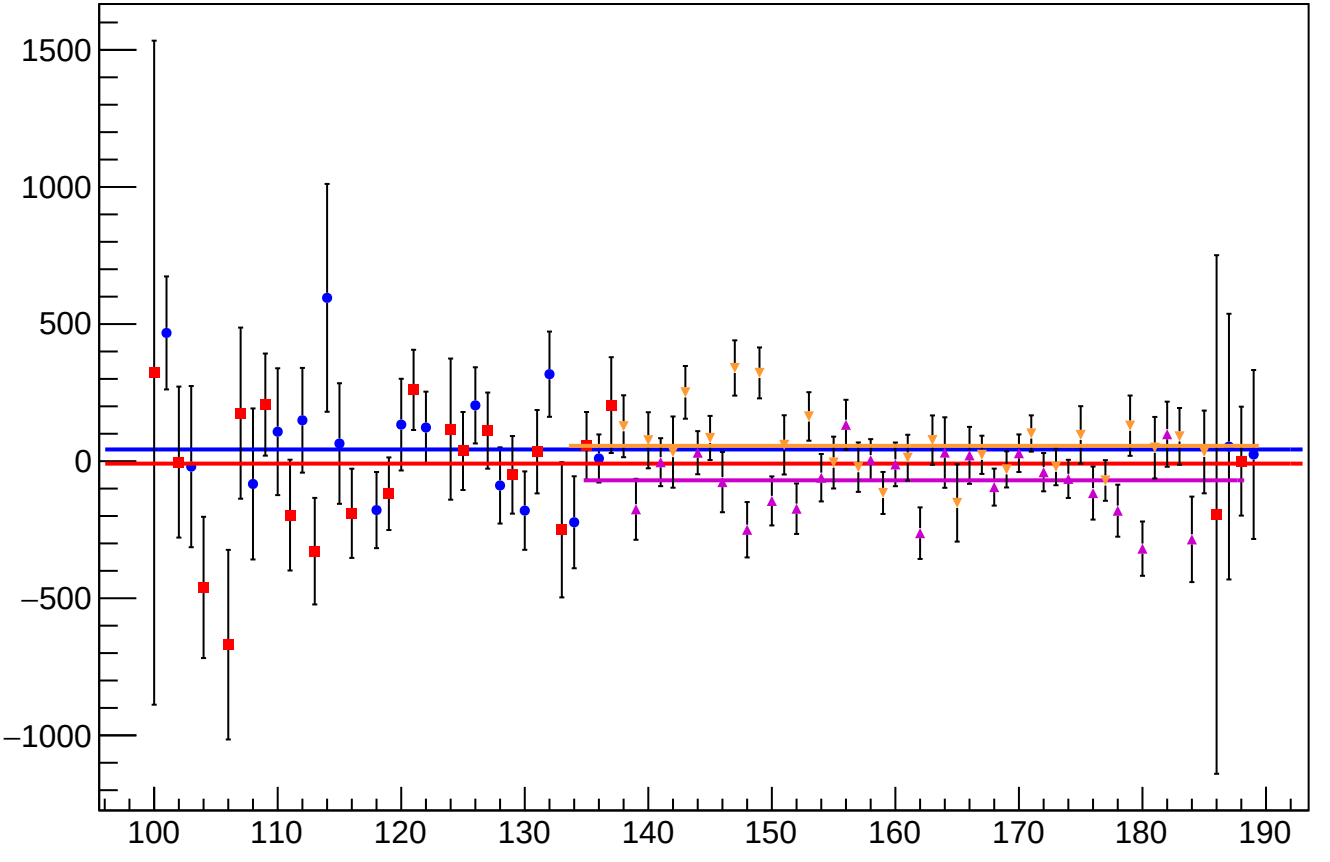
Left In: 471.456+/-0.081 χ^2/NDF:2209343.4/22

+ sign 517.347+/-0.077 χ^2/NDF: 8636957.4/42

All: 519.024+/-0.055 χ^2/NDF: 18265888.0/86

- sign 520.776+/-0.078 χ^2/NDF: 9627949.6/43

eigen_dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.677+/-39.484 χ^2/NDF: 20.3/17

Left Out: 55.948+/-17.949 χ^2/NDF:38.3/24

Right Out: -8.949+/-40.173 χ^2/NDF: 21.4/20

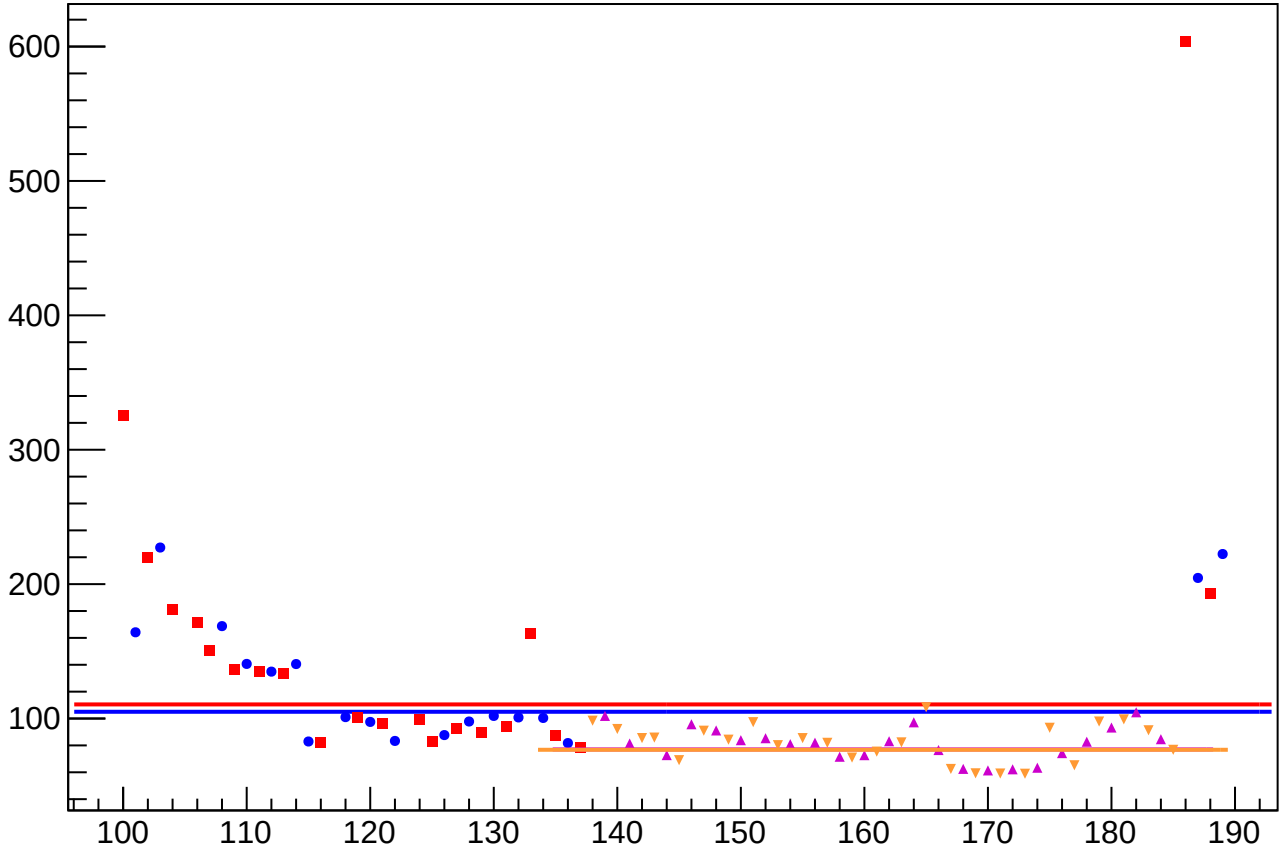
Left In: -69.843+/-18.497 χ^2/NDF:34.5/22

+ sign 53.675+/-16.340 χ^2/NDF: 58.7/42

All: -1.188+/-11.714 χ^2/NDF: 139.7/86

- sign -59.192+/-16.801 χ^2/NDF: 57.8/43

eigen_dit_asym_sam_3726_avg_rms vs Slug



Right In: 105.029+/-0.028 χ^2/NDF: 1365926.0/17

Left Out: 76.744+/-0.013 χ^2/NDF:1234627.7/24

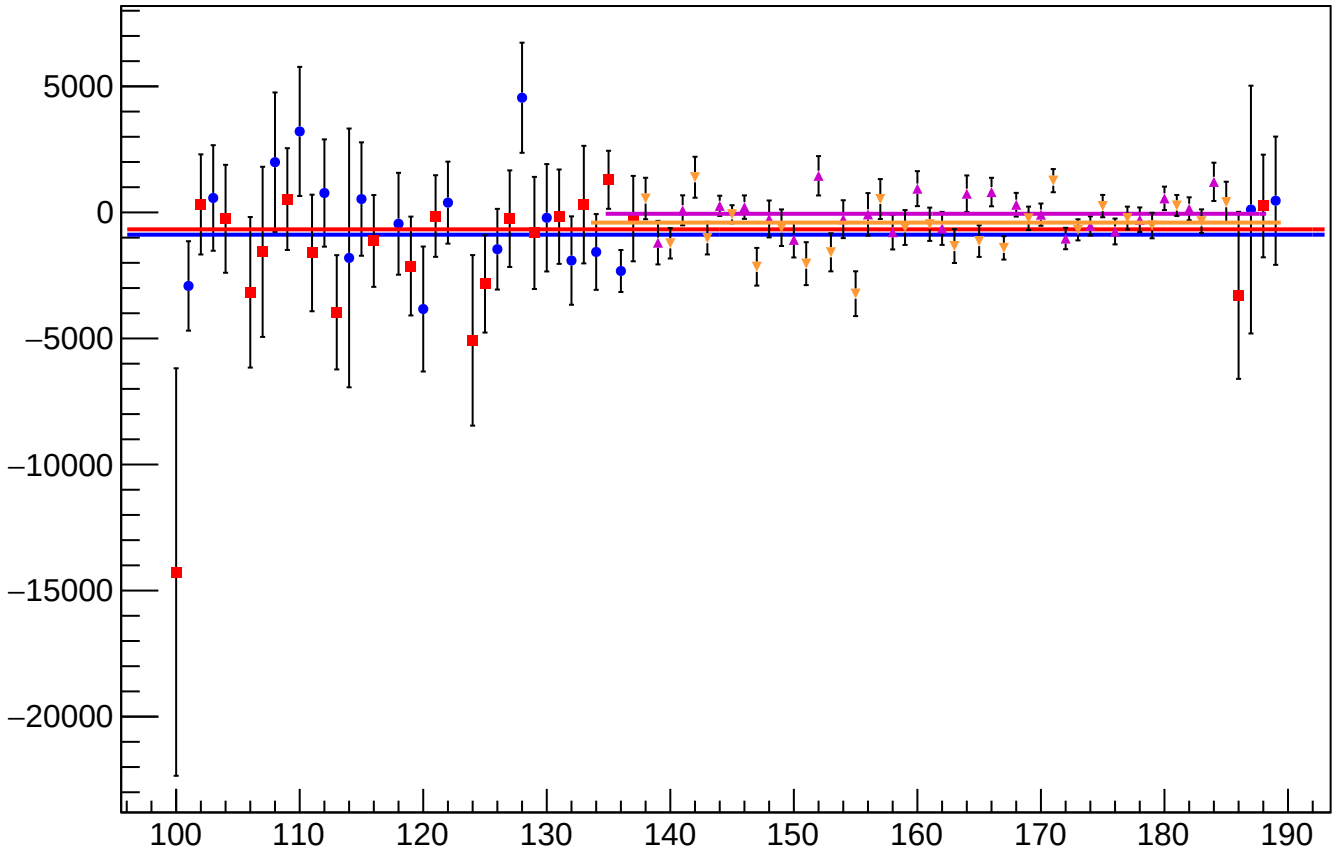
Right Out: 110.500+/-0.028 χ^2/NDF: 2106500.4/20

Left In: 77.018+/-0.013 χ^2/NDF:858863.2/22

+ sign 81.588+/-0.012 χ^2/NDF: 3451104.2/42

All: 82.213+/-0.008 χ^2/NDF: 7568715.5/86

- sign 82.875+/-0.012 χ^2/NDF: 4111585.6/43



Right In: -883.462+/-434.459 χ^2/NDF: 18.8/17

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: -671.739+/-447.527 χ^2/NDF: 14.3/20

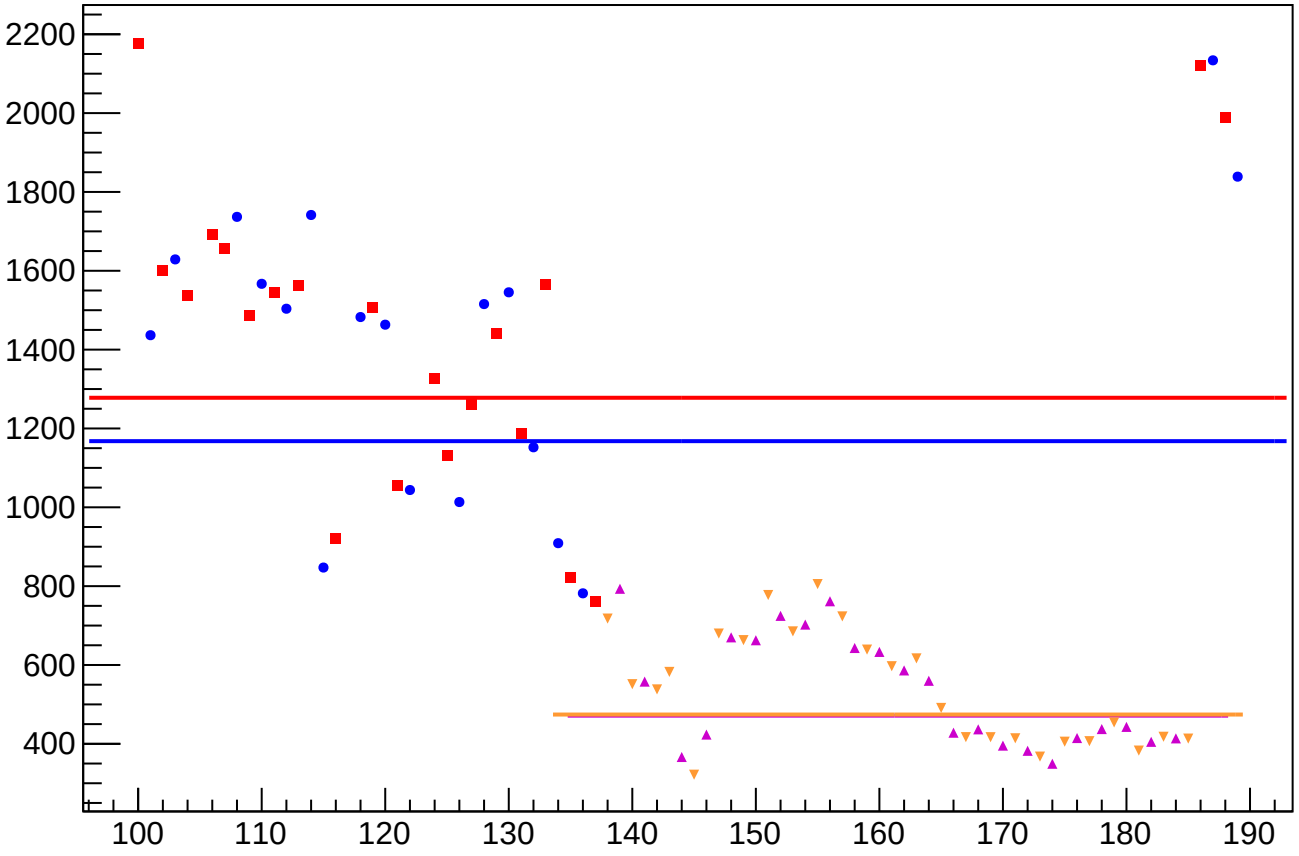
Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

+ sign -433.178+/-108.248 χ^2/NDF: 80.7/42

All: -266.352+/-77.387 χ^2/NDF: 132.3/86

- sign -91.961+/-110.675 χ^2/NDF: 46.8/43

asym_sam_3726_avg_eigen_dit_correction_rms vs Slug



Right In: 1167.823+/-0.307 χ^2/NDF: 1317940.7/17

Left Out: 474.294+/-0.079 χ^2/NDF:2538999.2/24

Right Out: 1277.881+/-0.316 χ^2/NDF: 1321659.4/20

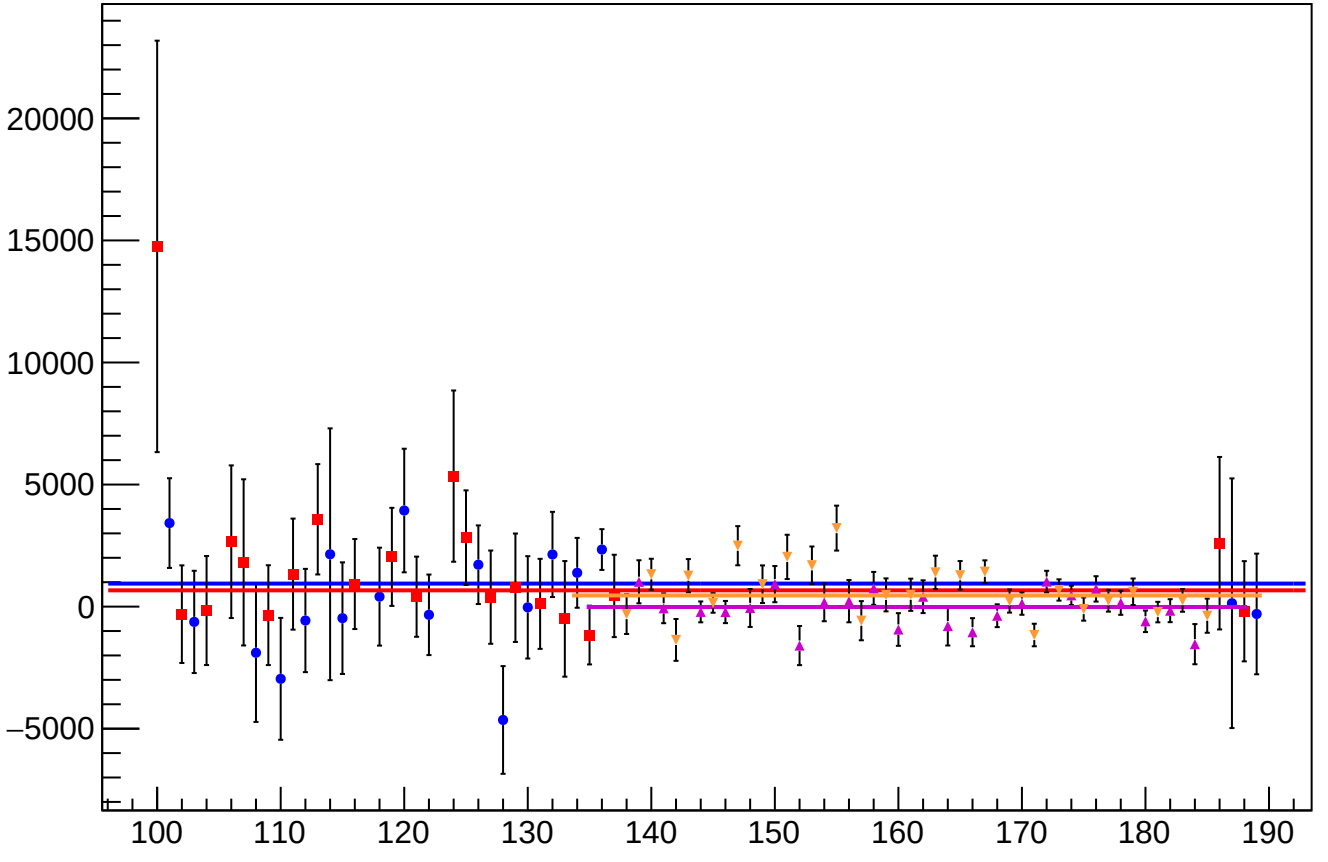
Left In: 471.456+/-0.081 χ^2/NDF:2209338.4/22

+ sign 517.347+/-0.077 χ^2/NDF: 8636949.8/42

All: 519.024+/-0.055 χ^2/NDF: 18265861.1/86

- sign 520.776+/-0.078 χ^2/NDF: 9627930.1/43

asym_sam_3726_avg_mean vs Slug



Right In: 943.380+/-434.128 χ^2/NDF: 19.3/17

Left Out: 457.286+/-114.351 χ^2/NDF:59.4/24

Right Out: 666.899+/-454.023 χ^2/NDF: 12.4/20

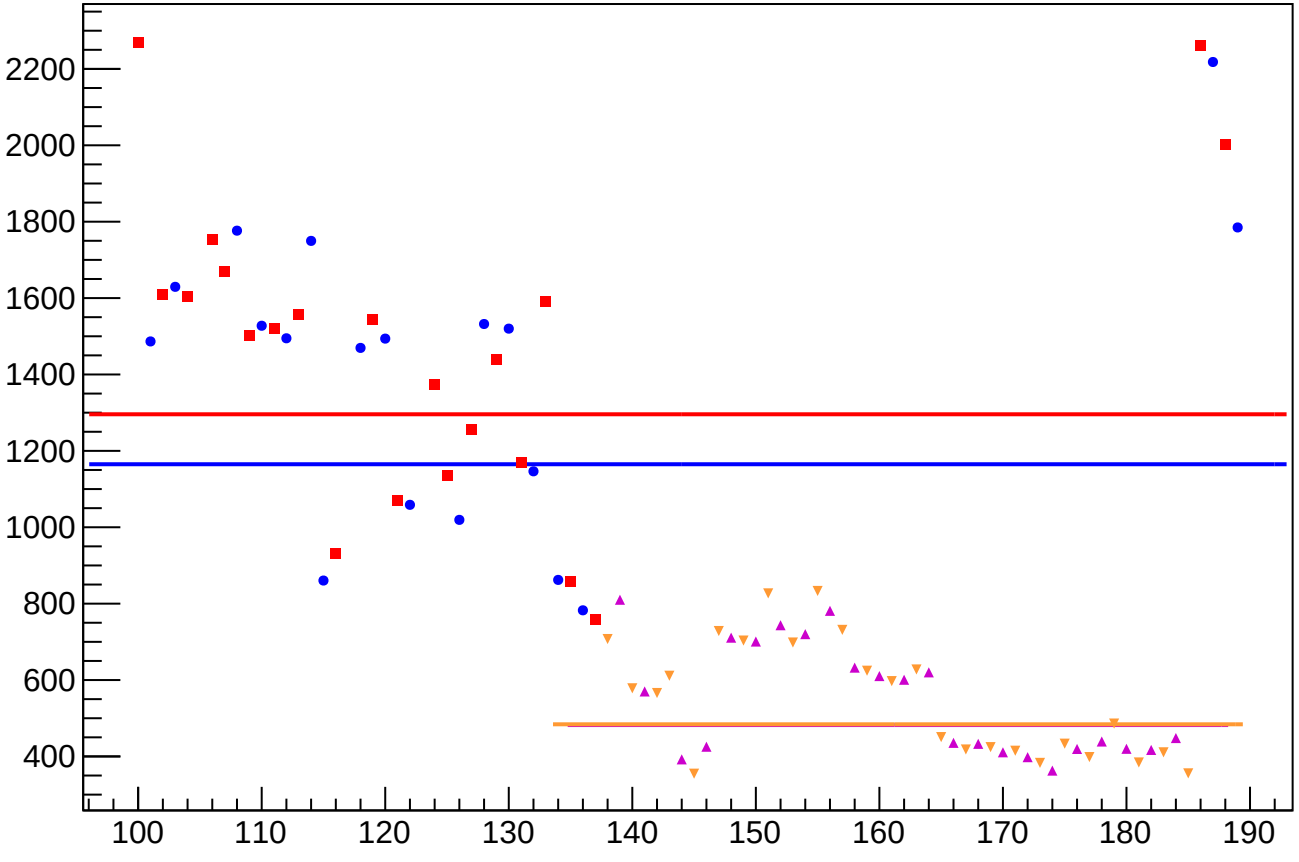
Left In: -15.089+/-116.701 χ^2/NDF:30.3/22

+ sign 488.824+/-110.580 χ^2/NDF: 79.9/42

All: 263.052+/-79.043 χ^2/NDF: 133.2/86

- sign 27.176+/-113.027 χ^2/NDF: 44.8/43

asym_sam_3726_avg_rms vs Slug



Right In: 1164.996+/-0.307 χ^2/NDF: 1342232.6/17

Left Out: 484.128+/-0.081 χ^2/NDF:2548479.4/24

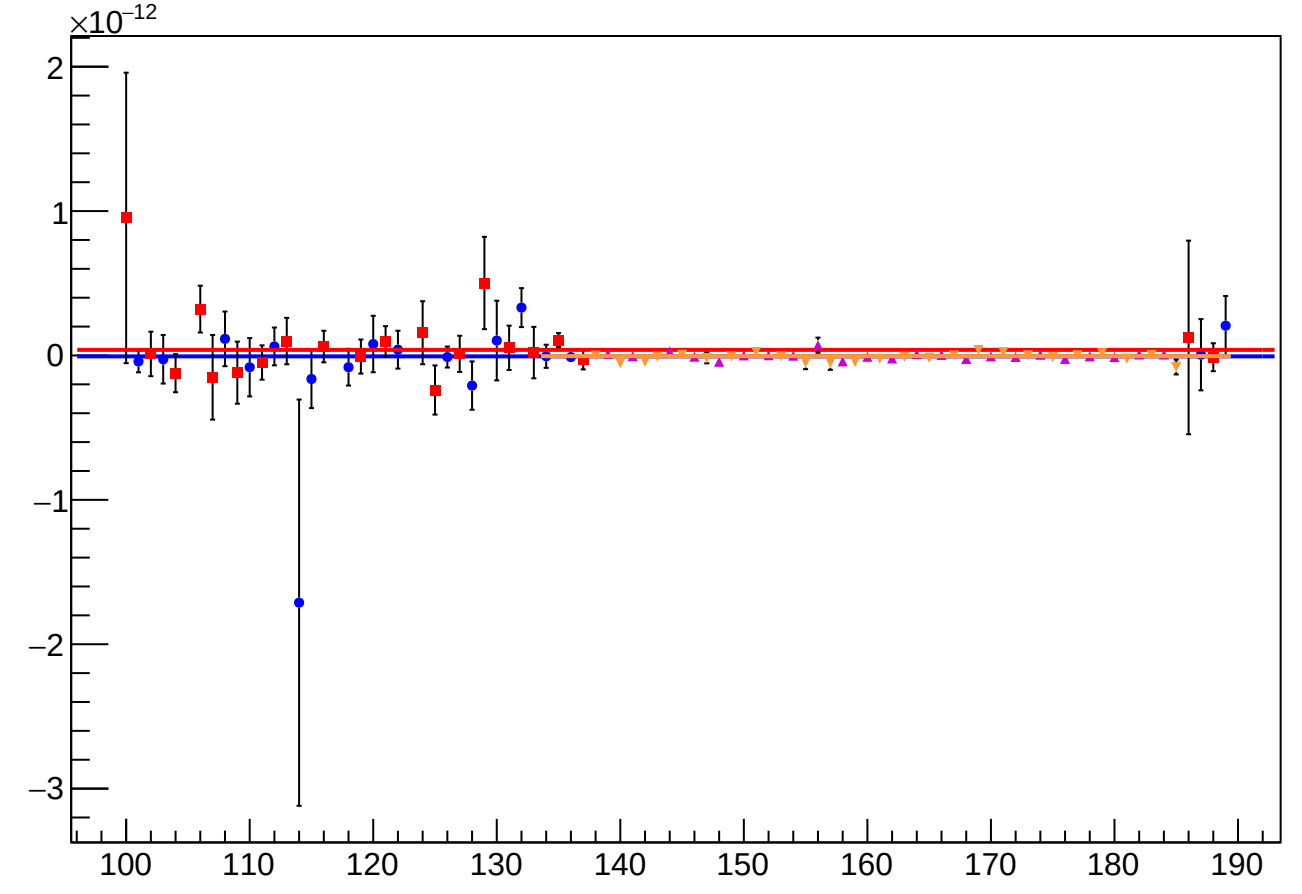
Right Out: 1295.802+/-0.321 χ^2/NDF: 1312873.2/20

Left In: 482.160+/-0.083 χ^2/NDF:2186689.9/22

+ sign 528.303+/-0.078 χ^2/NDF: 8491022.6/42

All: 530.397+/-0.056 χ^2/NDF: 18017046.1/86

- sign 532.584+/-0.080 χ^2/NDF: 9524557.4/43



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/17

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

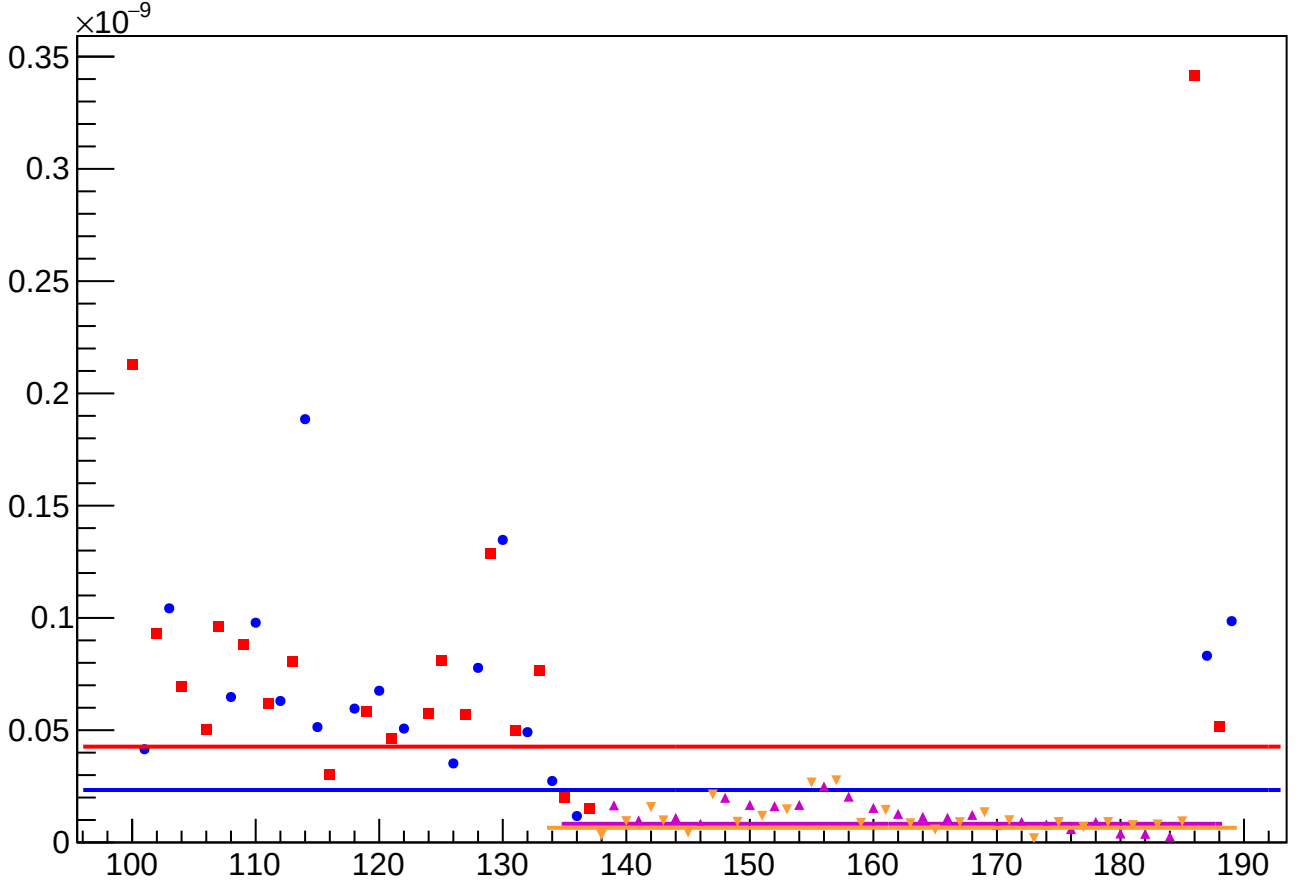
Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/20

Left In: -0.000+/-0.000 χ^2/NDF:15.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 43.9/42

All: -0.000+/-0.000 χ^2/NDF: 77.5/86

- sign -0.000+/-0.000 χ^2/NDF: 33.5/43



Right In: 0.000+/-0.000 χ^2/NDF: 3242661.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:3737127.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2266912.4/20

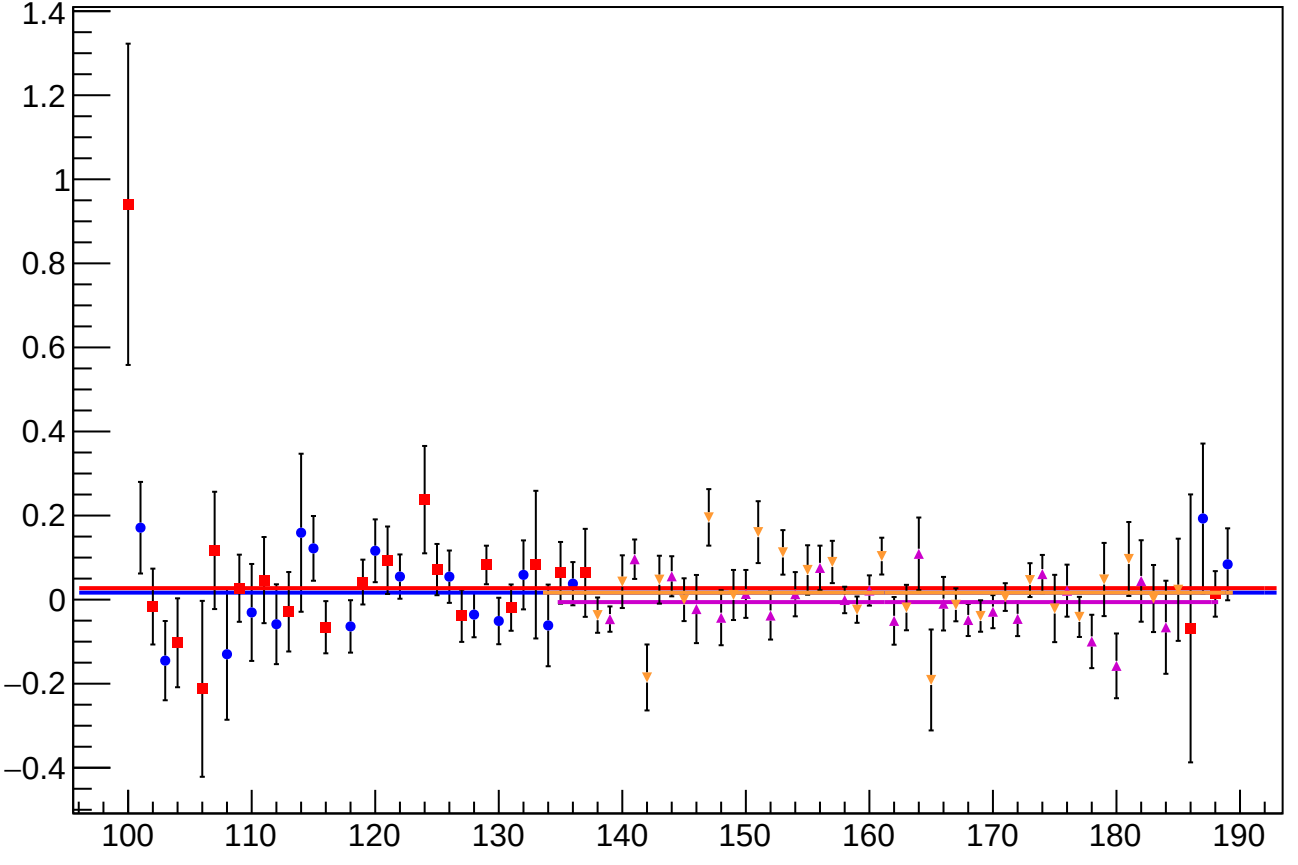
Left In: 0.000+/-0.000 χ^2/NDF:2799238.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8823496.7/42

All: 0.000+/-0.000 χ^2/NDF: 17615993.8/86

- sign 0.000+/-0.000 χ^2/NDF: 8476971.2/43

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.017+/-0.018 χ^2/NDF: 18.5/17

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: 0.027+/-0.017 χ^2/NDF: 19.7/20

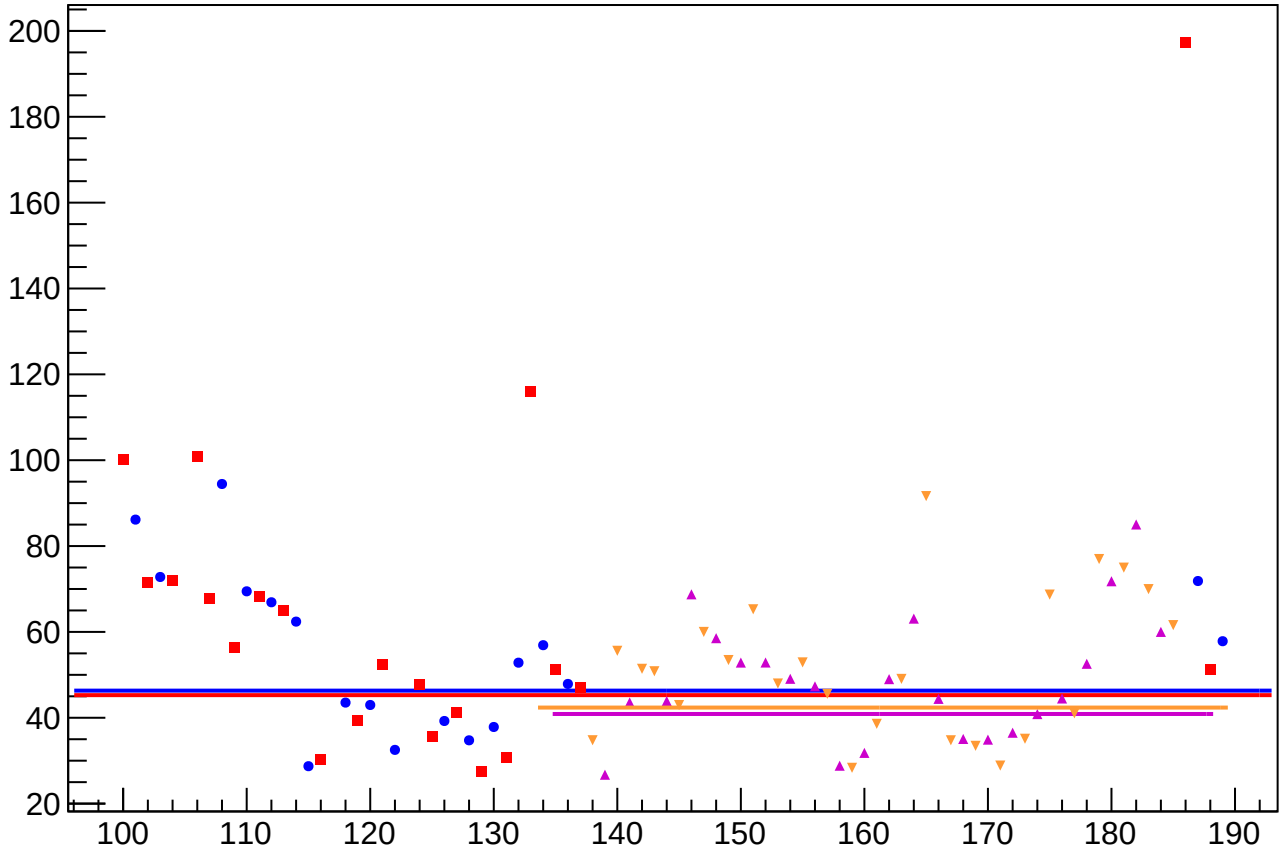
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.017+/-0.009 χ^2/NDF: 59.6/42

All: 0.010+/-0.006 χ^2/NDF: 109.2/86

- sign 0.003+/-0.009 χ^2/NDF: 48.5/43

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug



Right In: 46.321+/-0.013 χ^2/NDF: 1334942.0/17

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

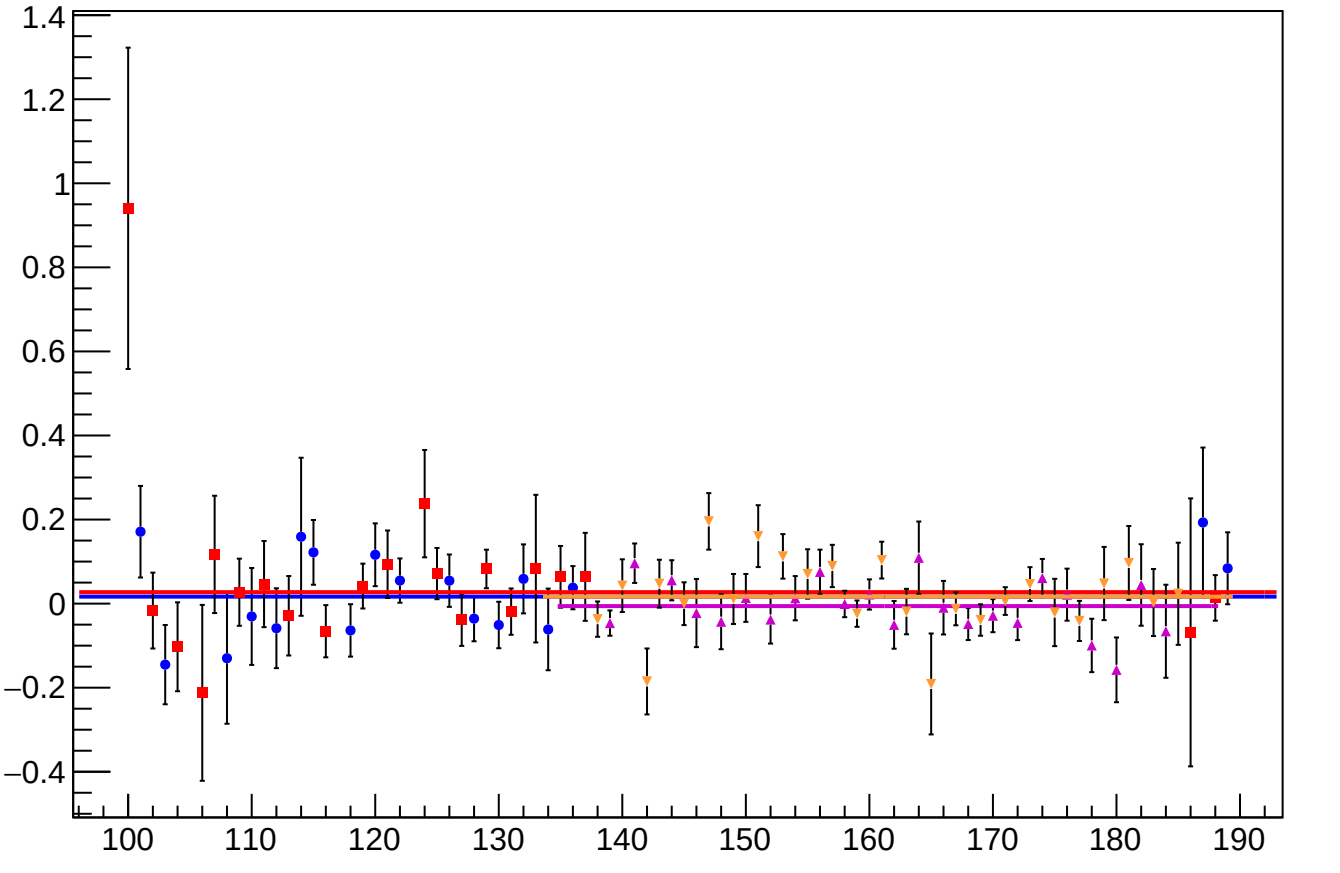
Right Out: 45.269+/-0.012 χ^2/NDF: 2230445.9/20

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

+ sign 43.370+/-0.006 χ^2/NDF: 4599253.7/42

All: 42.703+/-0.004 χ^2/NDF: 9627756.9/86

- sign 42.060+/-0.006 χ^2/NDF: 5006713.2/43



Right In: 0.017+/-0.018 χ^2/NDF: 18.5/17

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

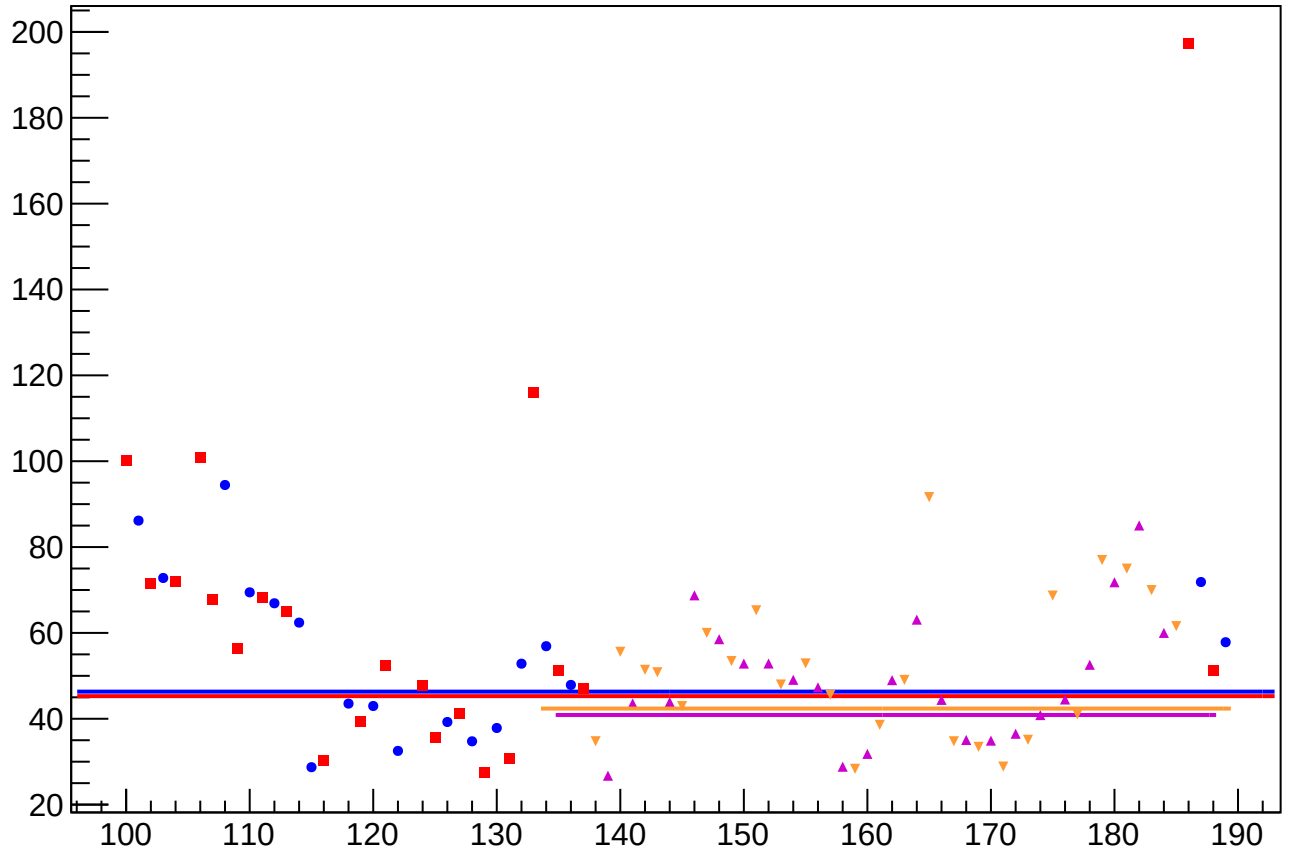
Right Out: 0.027+/-0.017 χ^2/NDF: 19.7/20

Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.017+/-0.009 χ^2/NDF: 59.6/42

All: 0.010+/-0.006 χ^2/NDF: 109.2/86

- sign 0.003+/-0.009 χ^2/NDF: 48.5/43



Right In: 46.321+/-0.013 χ^2/NDF: 1334942.0/17

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

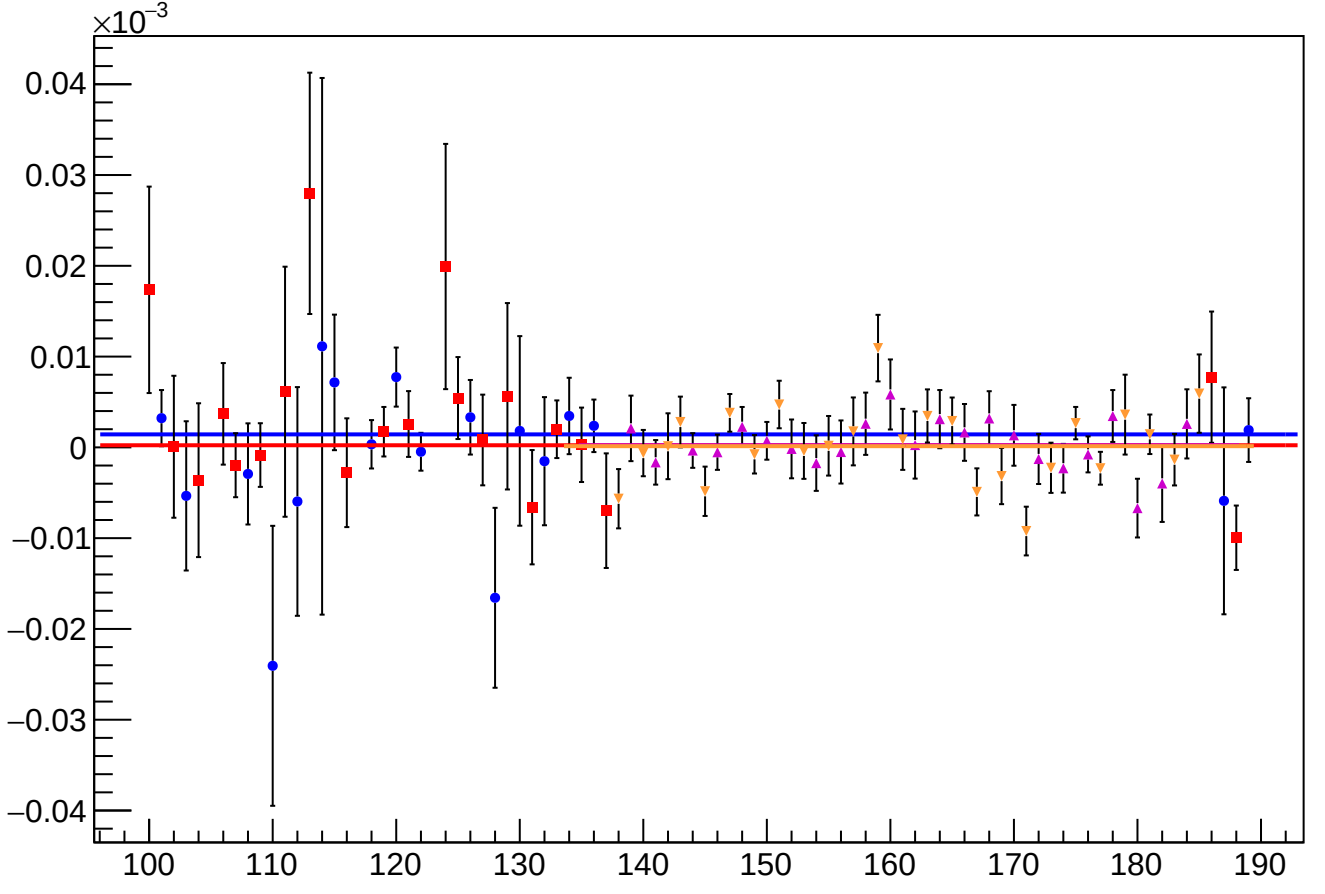
Right Out: 45.269+/-0.012 χ^2/NDF: 2230445.9/20

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

+ sign 43.370+/-0.006 χ^2/NDF: 4599253.7/42

All: 42.703+/-0.004 χ^2/NDF: 9627756.9/86

- sign 42.060+/-0.006 χ^2/NDF: 5006713.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 14.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:49.9/24

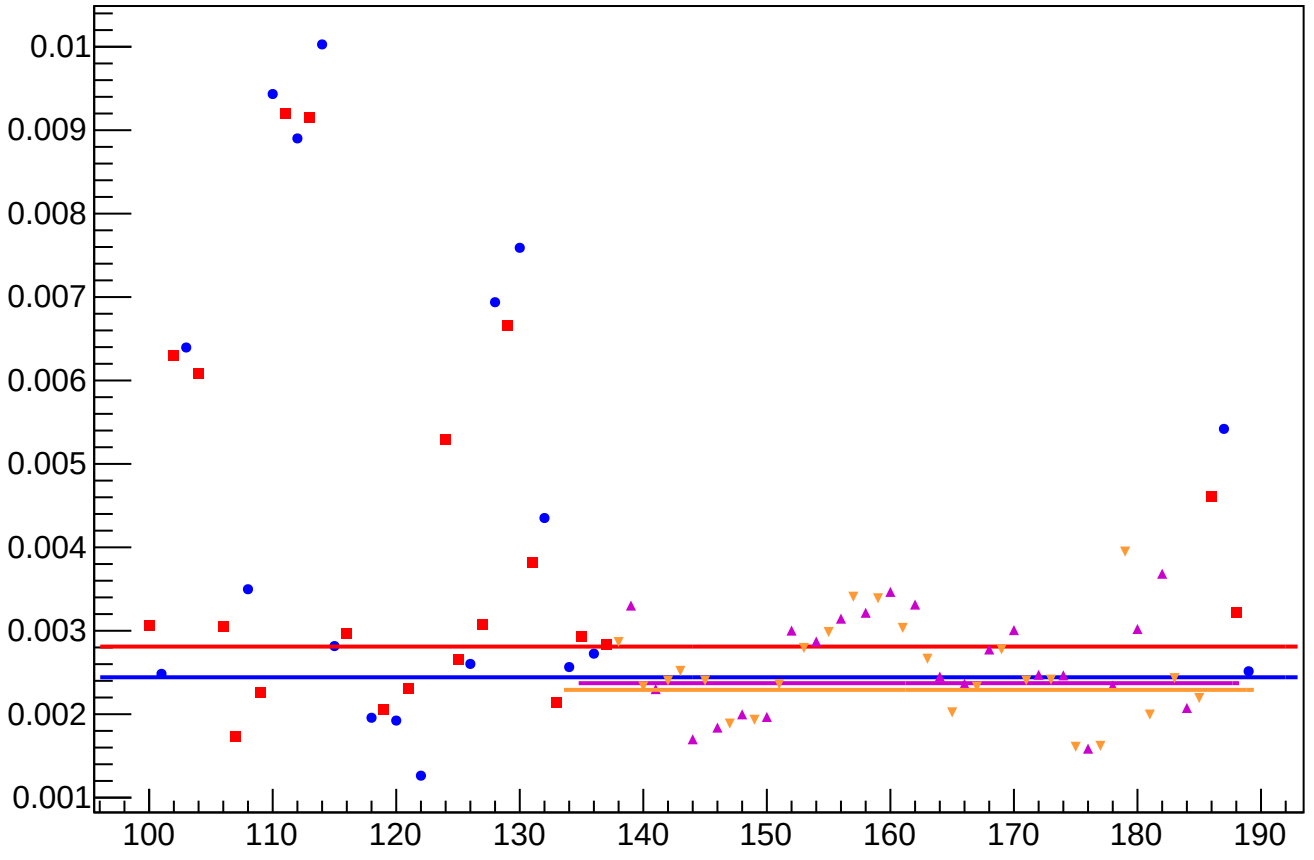
Right Out: 0.000+/-0.000 χ^2/NDF: 24.7/20

Left In: 0.000+/-0.000 χ^2/NDF:15.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 65.8/42

All: 0.000+/-0.000 χ^2/NDF: 106.4/86

- sign 0.000+/-0.000 χ^2/NDF: 40.5/43



Right In: 0.002+/-0.000 χ^2/NDF: 3547793.0/17

Left Out: 0.002+/-0.000 χ^2/NDF:1818891.6/24

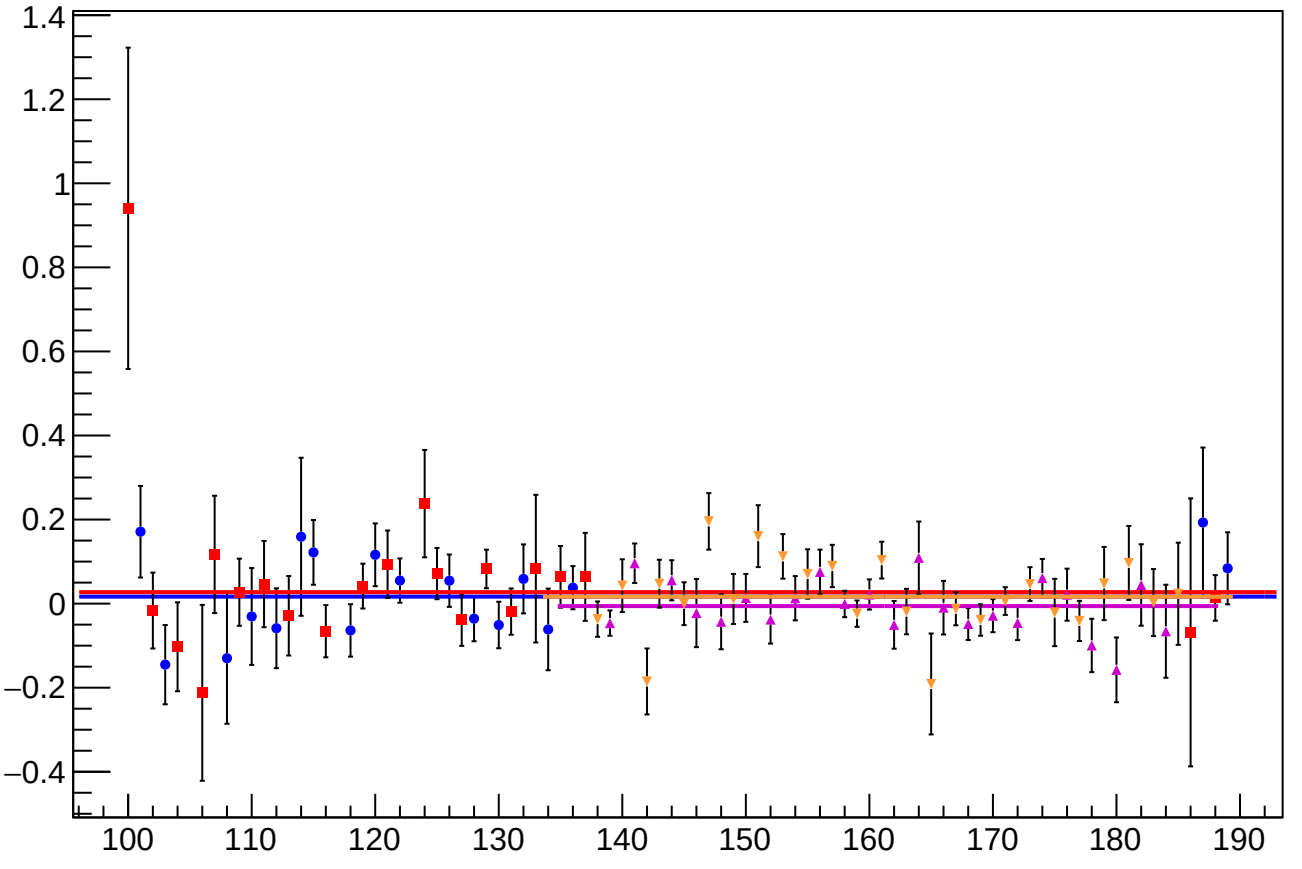
Right Out: 0.003+/-0.000 χ^2/NDF: 2666458.6/20

Left In: 0.002+/-0.000 χ^2/NDF:2020314.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 5402267.7/42

All: 0.002+/-0.000 χ^2/NDF: 10443511.3/86

- sign 0.002+/-0.000 χ^2/NDF: 4951436.4/43



Right In: 0.017+/-0.018 χ^2/NDF: 18.5/17

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

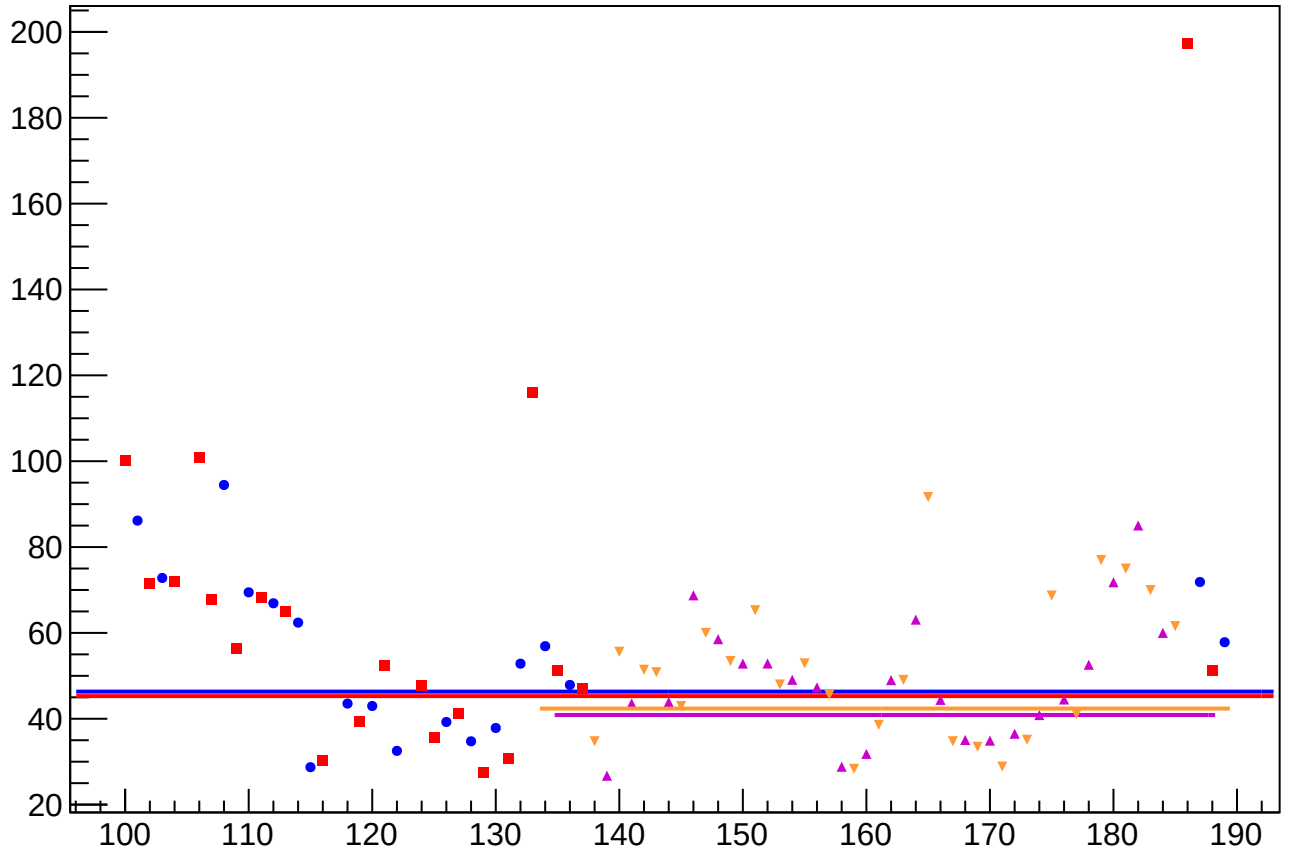
Right Out: 0.027+/-0.017 χ^2/NDF: 19.7/20

Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.017+/-0.009 χ^2/NDF: 59.6/42

All: 0.010+/-0.006 χ^2/NDF: 109.2/86

- sign 0.003+/-0.009 χ^2/NDF: 48.5/43



Right In: 46.321+/-0.013 χ^2/NDF: 1334906.7/17

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

Right Out: 45.270+/-0.012 χ^2/NDF: 2230366.1/20

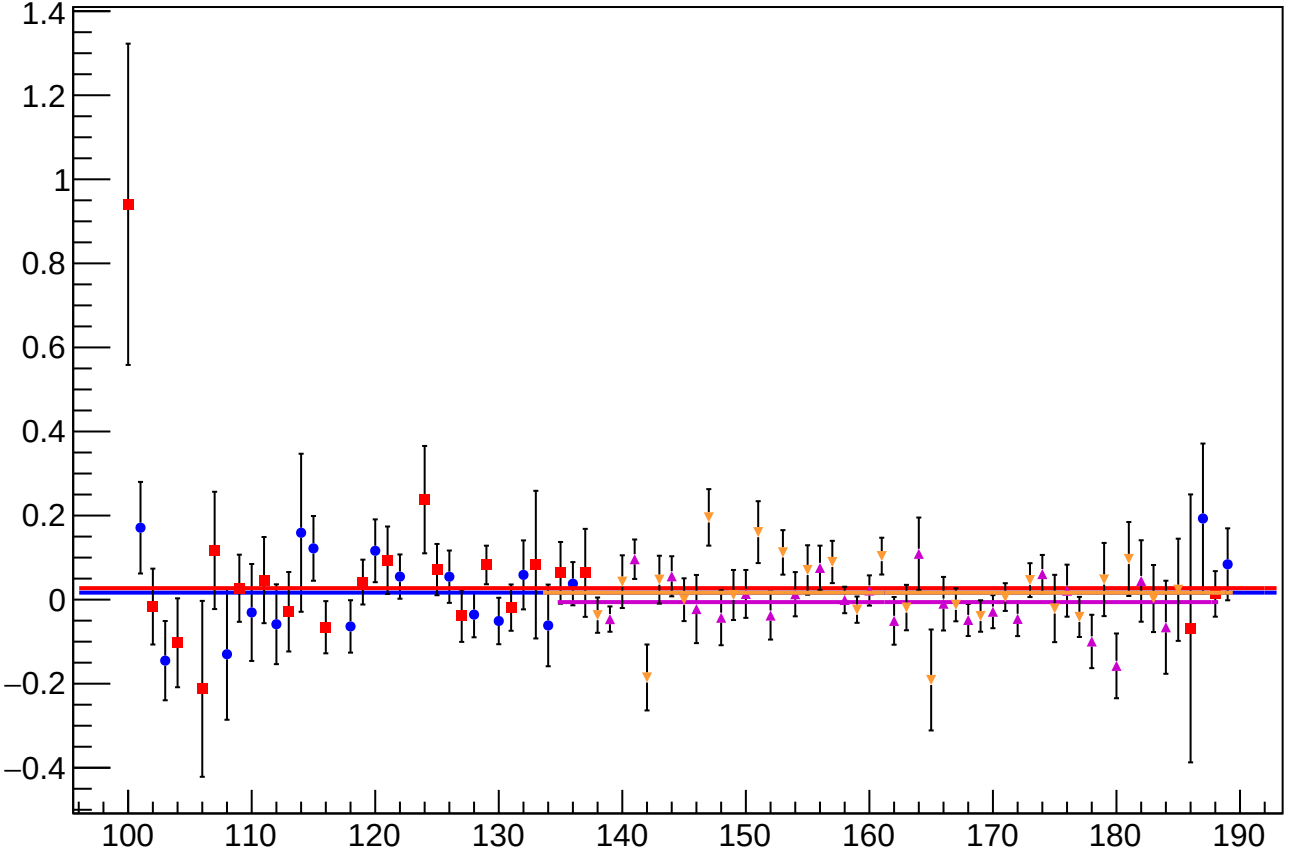
Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

+ sign 43.370+/-0.006 χ^2/NDF: 4599235.5/42

All: 42.704+/-0.004 χ^2/NDF: 9627673.2/86

- sign 42.061+/-0.006 χ^2/NDF: 5006652.2/43

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.017+/-0.018 χ^2/NDF: 18.5/17

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

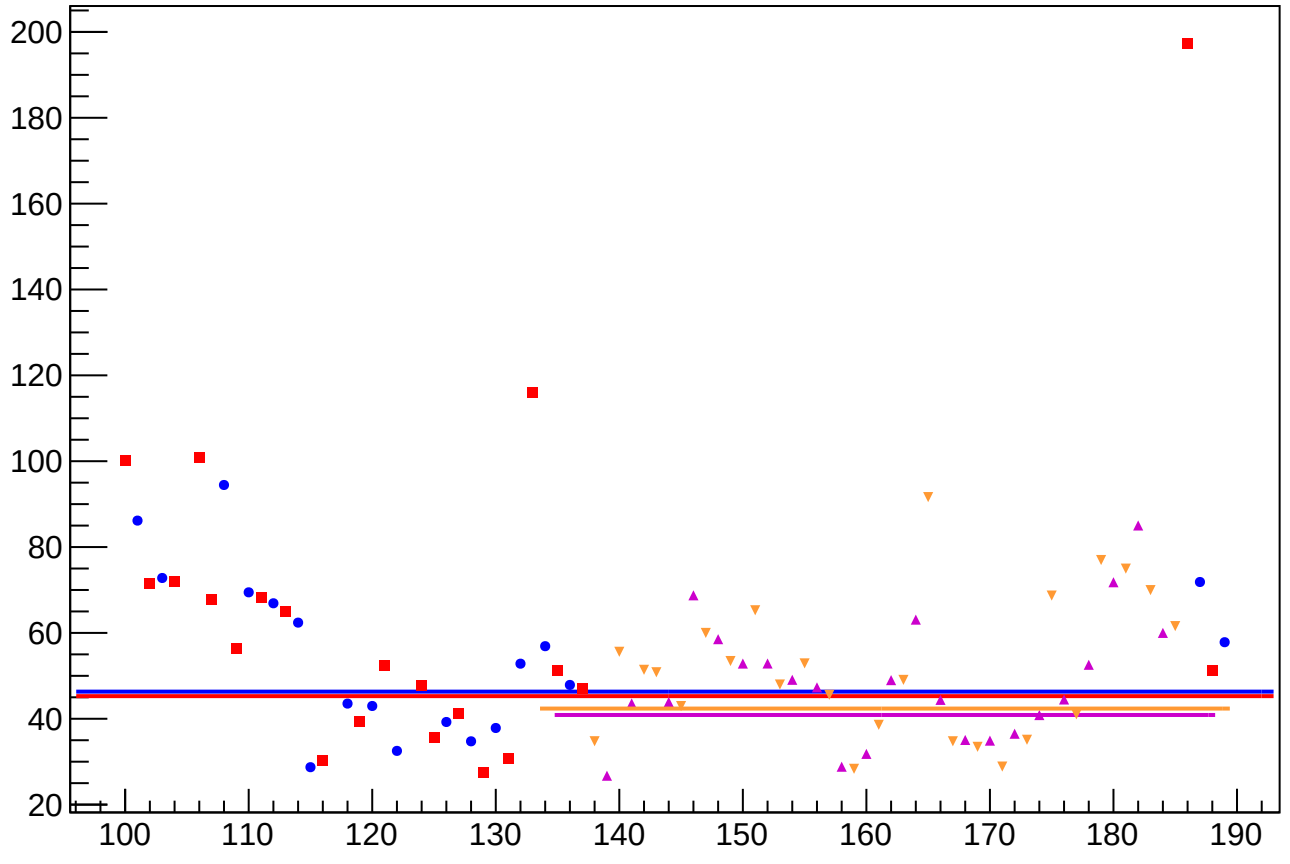
Right Out: 0.027+/-0.017 χ^2/NDF: 19.7/20

Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.017+/-0.009 χ^2/NDF: 59.6/42

All: 0.010+/-0.006 χ^2/NDF: 109.2/86

- sign 0.003+/-0.009 χ^2/NDF: 48.5/43



Right In: 46.321+/-0.013 χ^2/NDF: 1334906.7/17

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

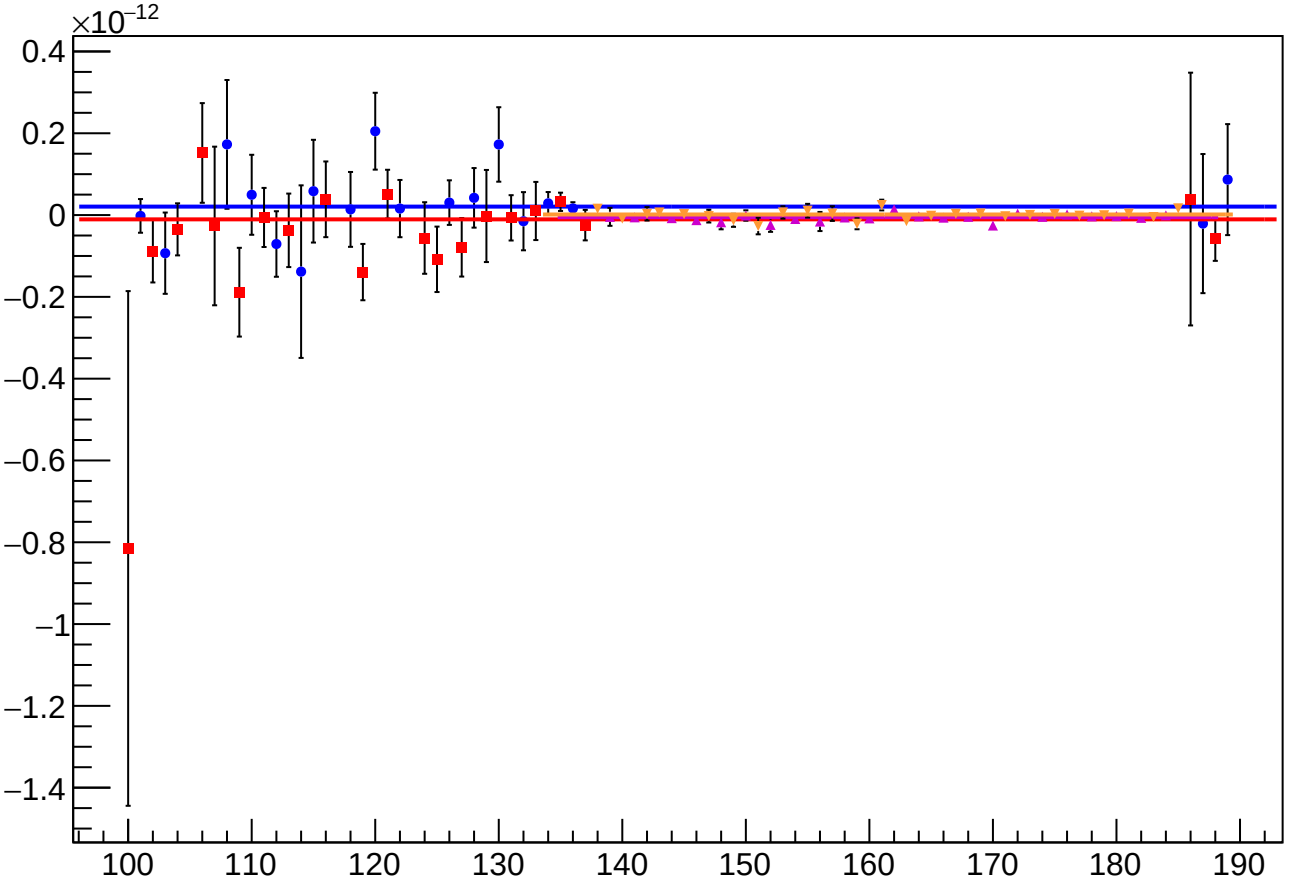
Right Out: 45.270+/-0.012 χ^2/NDF: 2230366.1/20

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

+ sign 43.370+/-0.006 χ^2/NDF: 4599235.5/42

All: 42.704+/-0.004 χ^2/NDF: 9627673.2/86

- sign 42.061+/-0.006 χ^2/NDF: 5006652.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 12.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/24

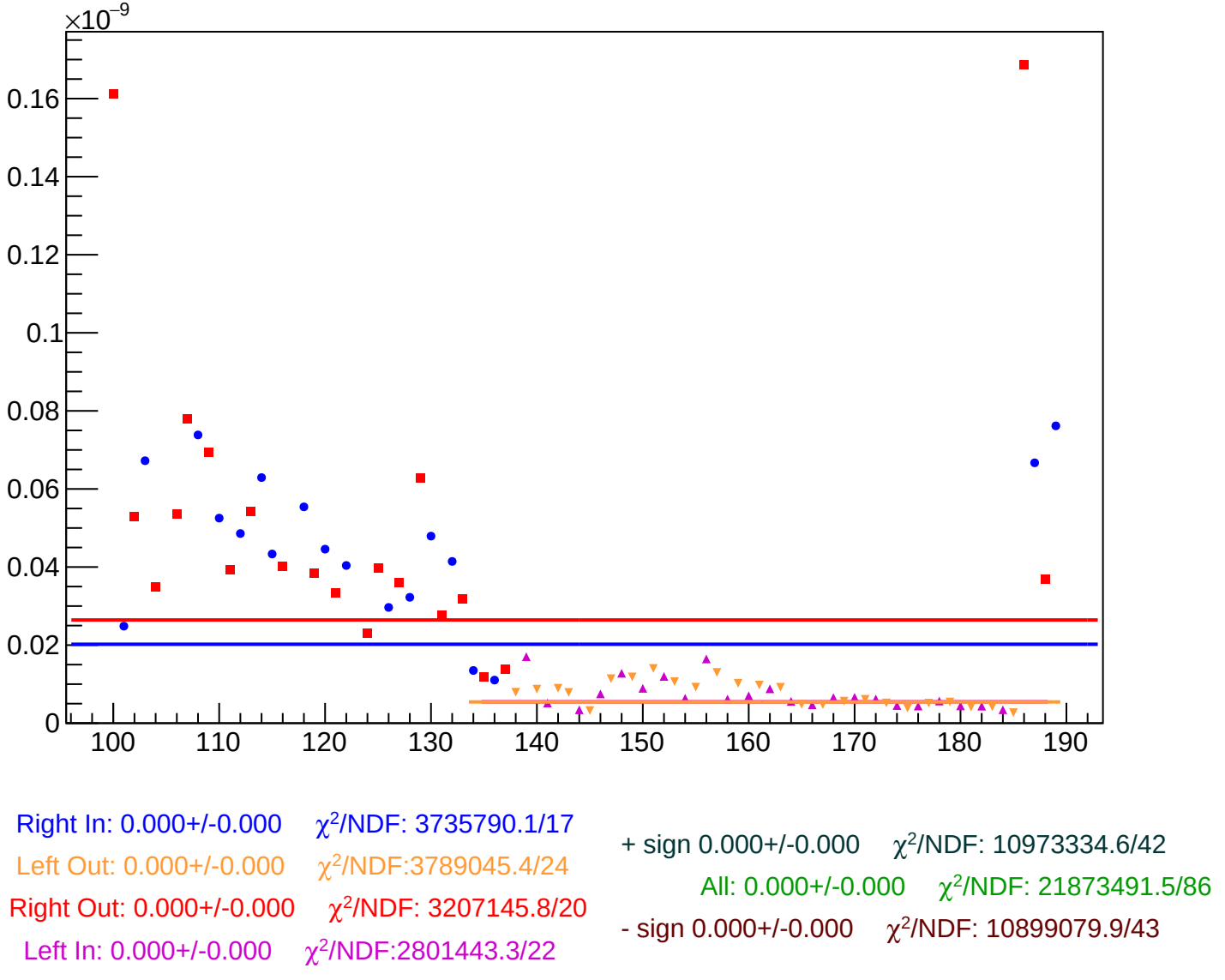
Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/20

Left In: -0.000+/-0.000 χ^2/NDF:13.2/22

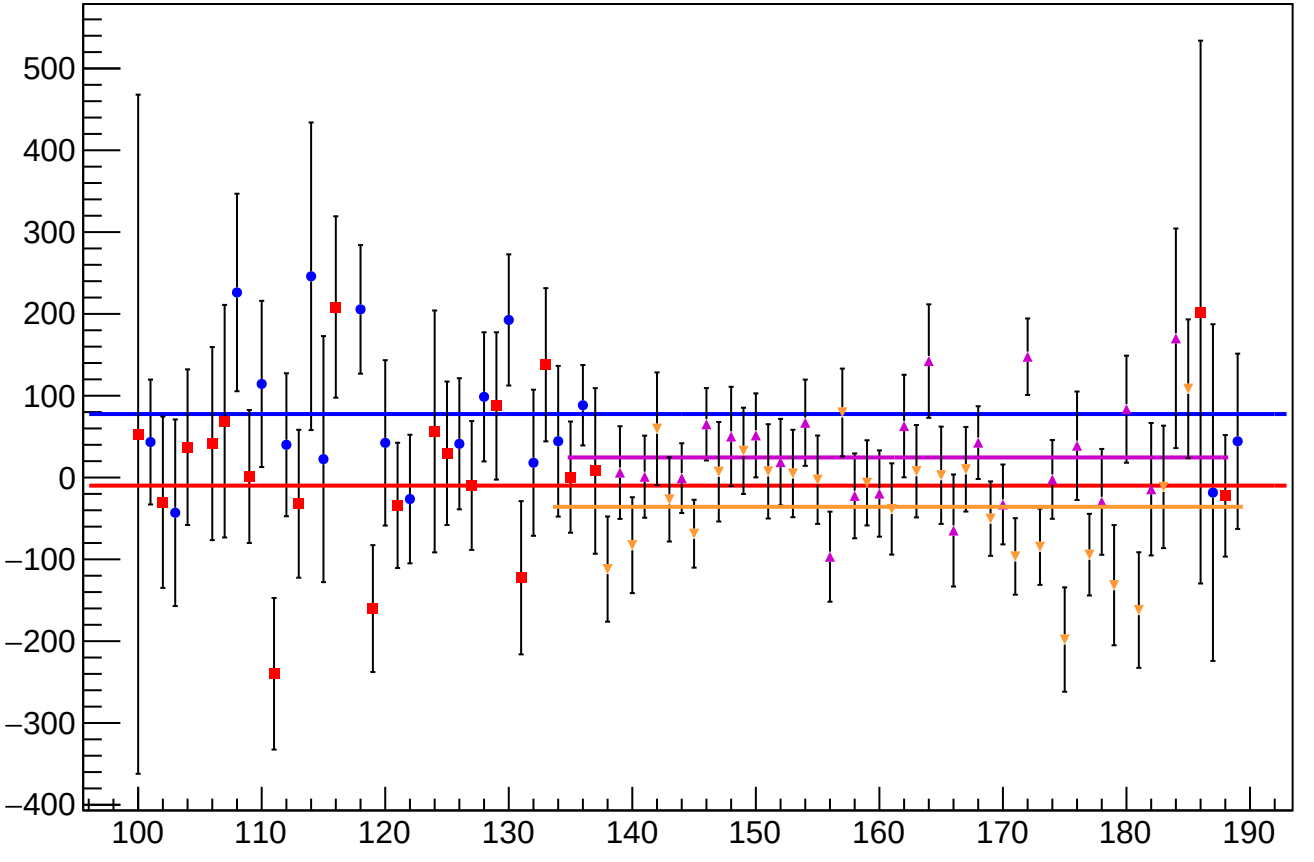
+ sign 0.000+/-0.000 χ^2/NDF: 34.7/42

All: -0.000+/-0.000 χ^2/NDF: 75.8/86

- sign -0.000+/-0.000 χ^2/NDF: 32.9/43


asym_sam_3726_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3735790.1/17
Left Out: 0.000+/-0.000 χ²/NDF:3789045.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 3207145.8/20
Left In: 0.000+/-0.000 χ²/NDF:2801443.3/22
+ sign 0.000+/-0.000 χ²/NDF: 10973334.6/42
All: 0.000+/-0.000 χ²/NDF: 21873491.5/86
- sign 0.000+/-0.000 χ²/NDF: 10899079.9/43

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 77.609+/-20.946 χ^2/NDF: 11.9/17

Left Out: -35.787+/-11.119 χ^2/NDF:33.7/24

Right Out: -9.885+/-20.716 χ^2/NDF: 20.8/20

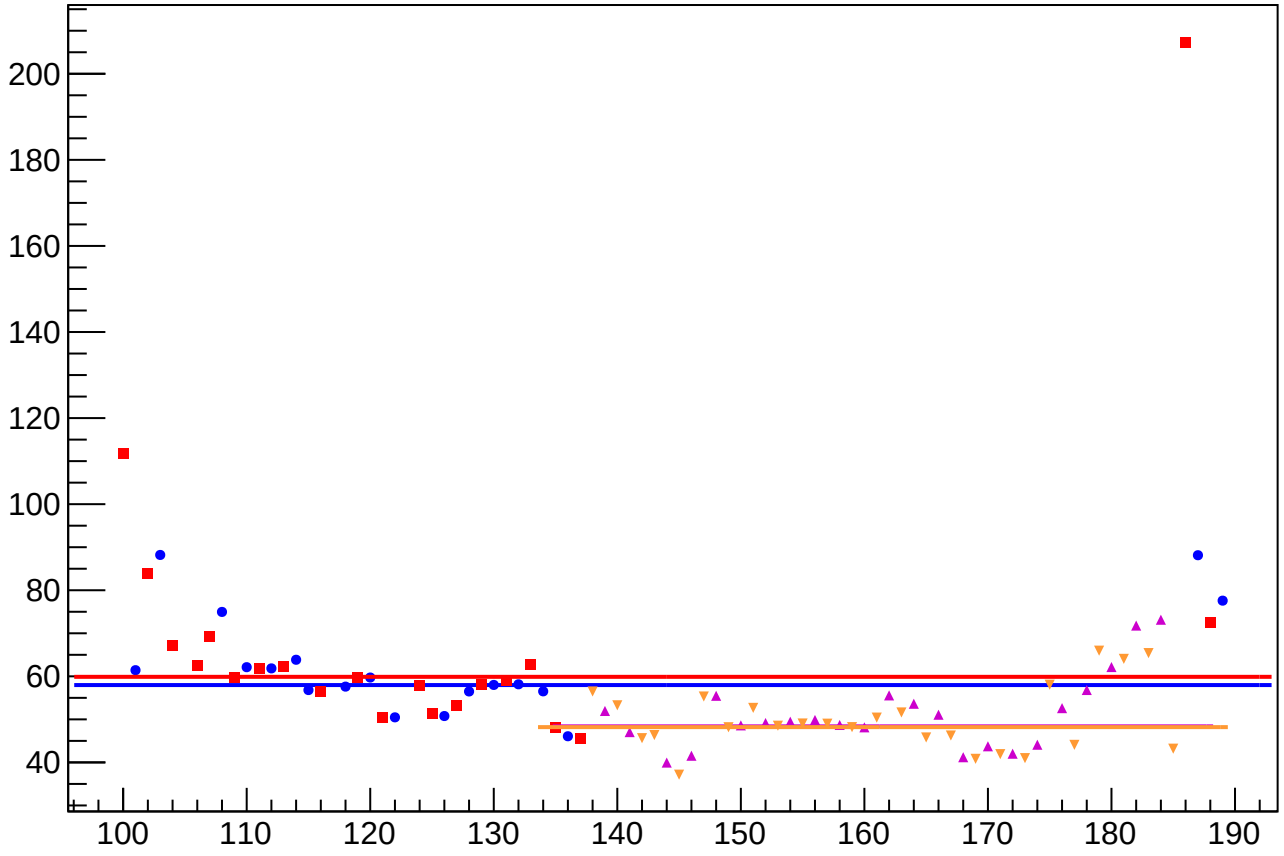
Left In: 24.572+/-11.471 χ^2/NDF:25.7/22

+ sign -10.856+/-9.821 χ^2/NDF: 68.4/42

All: 2.520+/-7.019 χ^2/NDF: 120.9/86

- sign 16.486+/-10.035 χ^2/NDF: 48.6/43

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 57.971+/-0.015 χ^2/NDF: 457039.7/17

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 59.884+/-0.015 χ^2/NDF: 780211.9/20

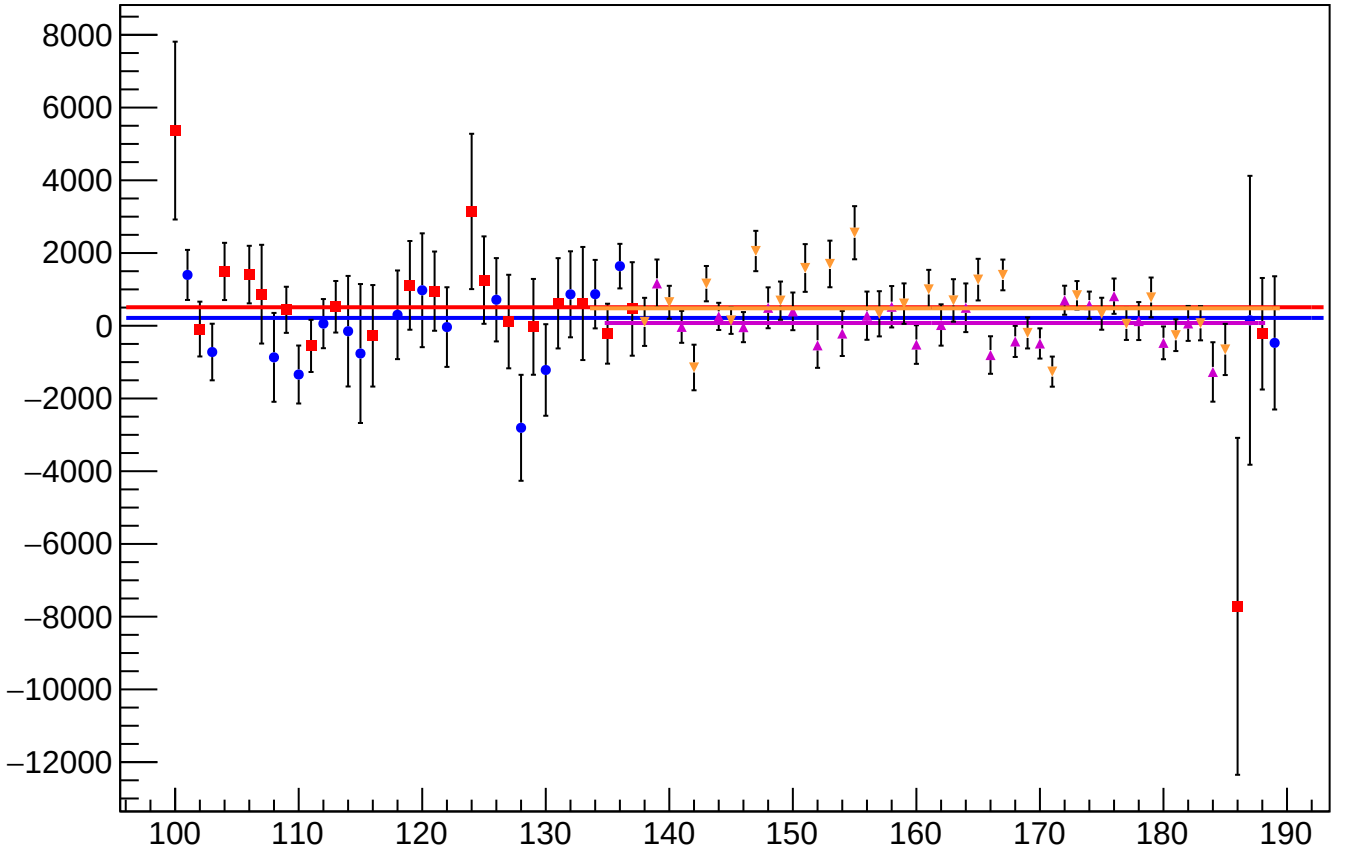
Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 50.347+/-0.007 χ^2/NDF: 1576969.6/42

All: 50.706+/-0.005 χ^2/NDF: 3530020.4/86

- sign 51.080+/-0.007 χ^2/NDF: 1947597.0/43

asym_sam_15_48_dd_reg_correction_mean vs Slug



Right In: 215.371+/-238.728 χ^2/NDF: 21.8/17

Left Out: 480.215+/-100.526 χ^2/NDF:69.2/24

Right Out: 508.981+/-224.525 χ^2/NDF: 16.8/20

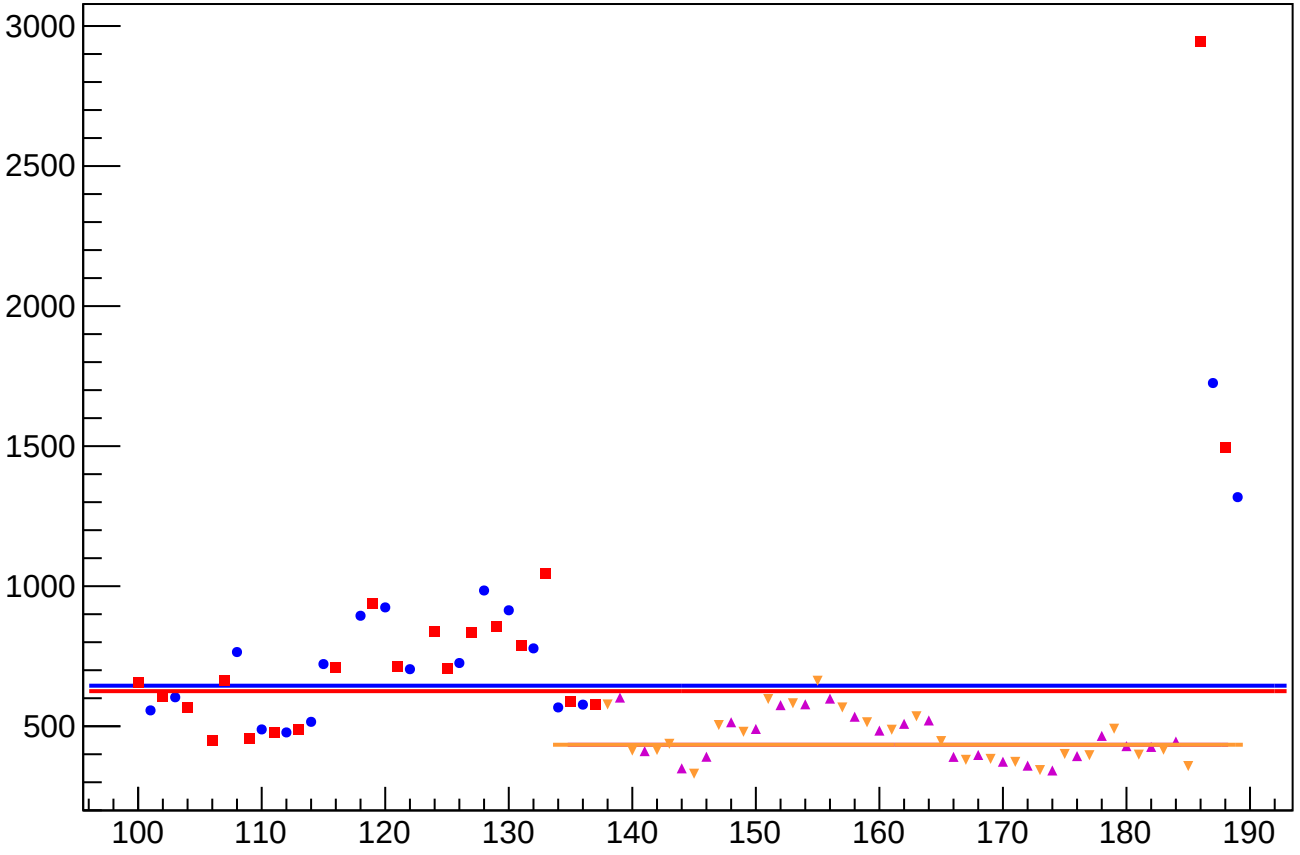
Left In: 75.662+/-103.128 χ^2/NDF:24.5/22

+ sign 440.327+/-92.647 χ^2/NDF: 92.0/42

All: 297.399+/-65.886 χ^2/NDF: 141.2/86

- sign 151.154+/-93.715 χ^2/NDF: 44.3/43

asym_sam_15_48_dd_reg_correction_rms vs Slug



Right In: 644.752+/-0.169 χ^2/NDF: 1119183.1/17

Left Out: 433.945+/-0.071 χ^2/NDF:1243704.6/24

Right Out: 625.250+/-0.159 χ^2/NDF: 2041425.4/20

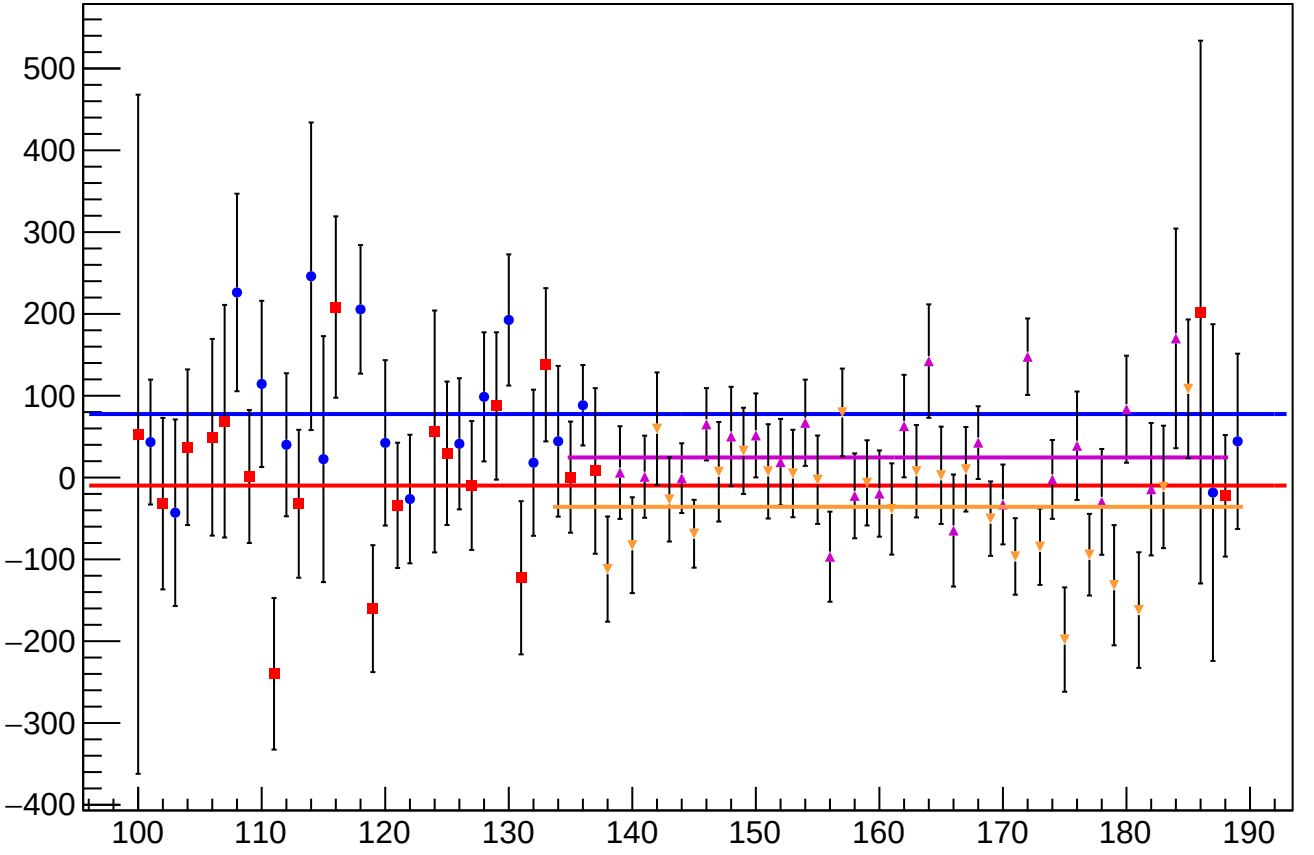
Left In: 433.722+/-0.073 χ^2/NDF:1094788.8/22

\+ sign 465.695+/-0.066 χ^2/NDF: 3687530.0/42

All: 466.384+/-0.047 χ^2/NDF: 8025771.9/86

\- sign 467.089+/-0.066 χ^2/NDF: 4338017.8/43

cor_asym_sam_15_48_dd_mean vs Slug



Right In: 77.613+/-20.946 χ^2/NDF: 11.9/17

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: -9.784+/-20.728 χ^2/NDF: 20.8/20

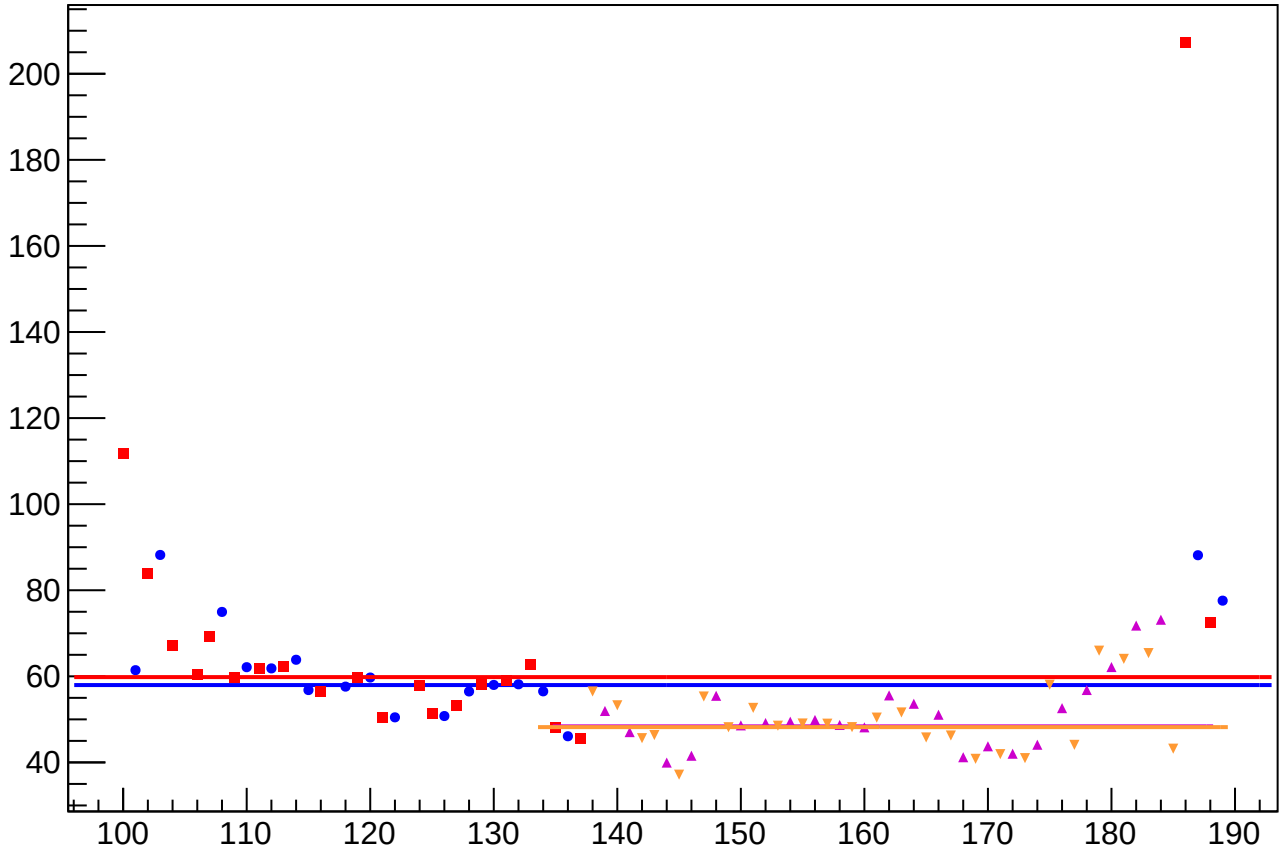
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

\+ sign -10.860+/-9.821 χ^2/NDF: 68.4/42

All: 2.532+/-7.020 χ^2/NDF: 120.9/86

\- sign 16.518+/-10.037 χ^2/NDF: 48.7/43

cor_asym_sam_15_48_dd_rms vs Slug



Right In: 57.971+/-0.015 χ^2/NDF: 457043.3/17

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

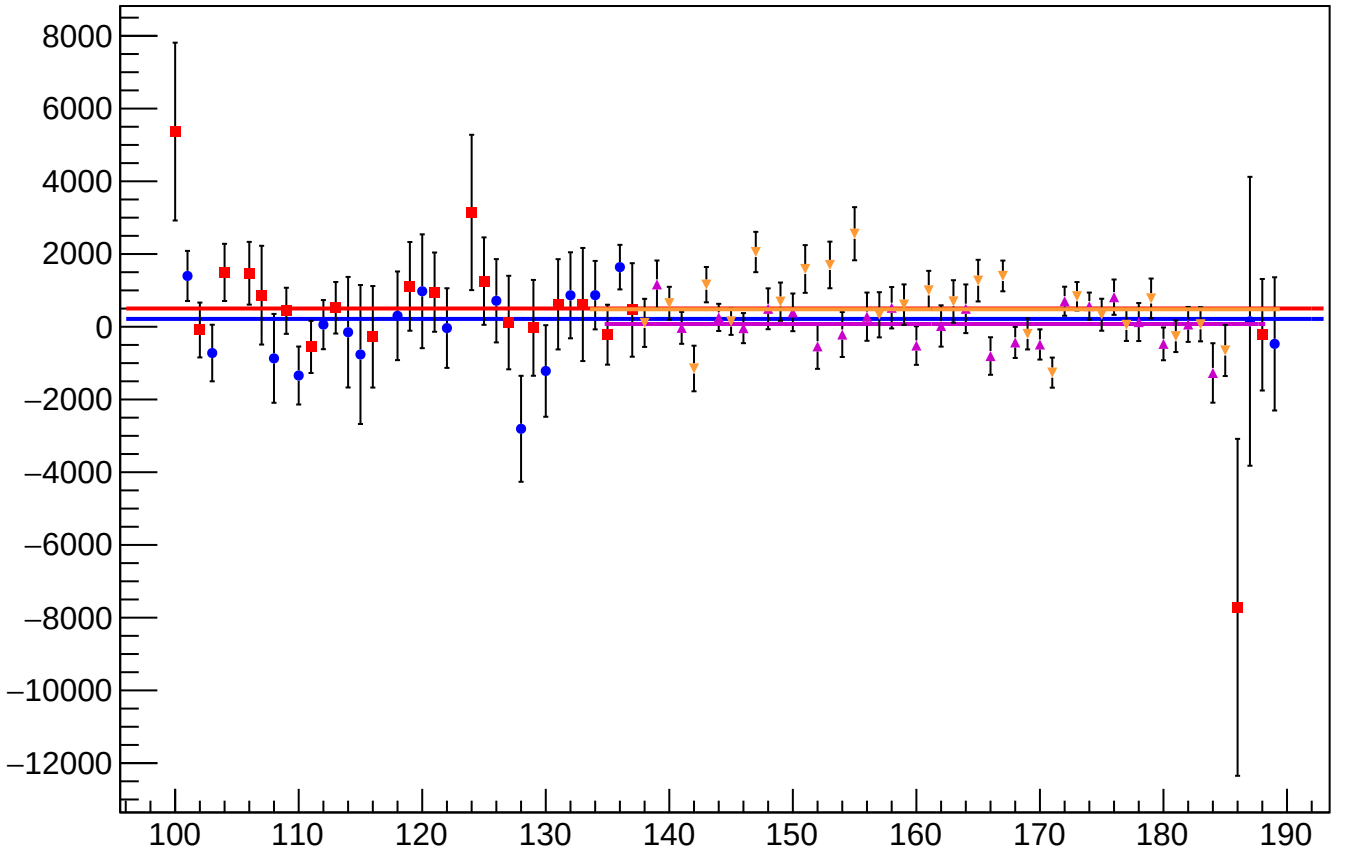
Right Out: 59.821+/-0.015 χ^2/NDF: 779506.5/20

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 50.347+/-0.007 χ^2/NDF: 1576973.6/42

All: 50.697+/-0.005 χ^2/NDF: 3523500.5/86

- sign 51.063+/-0.007 χ^2/NDF: 1941325.9/43



Right In: 215.407+/-238.730 χ^2/NDF: 21.8/17

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

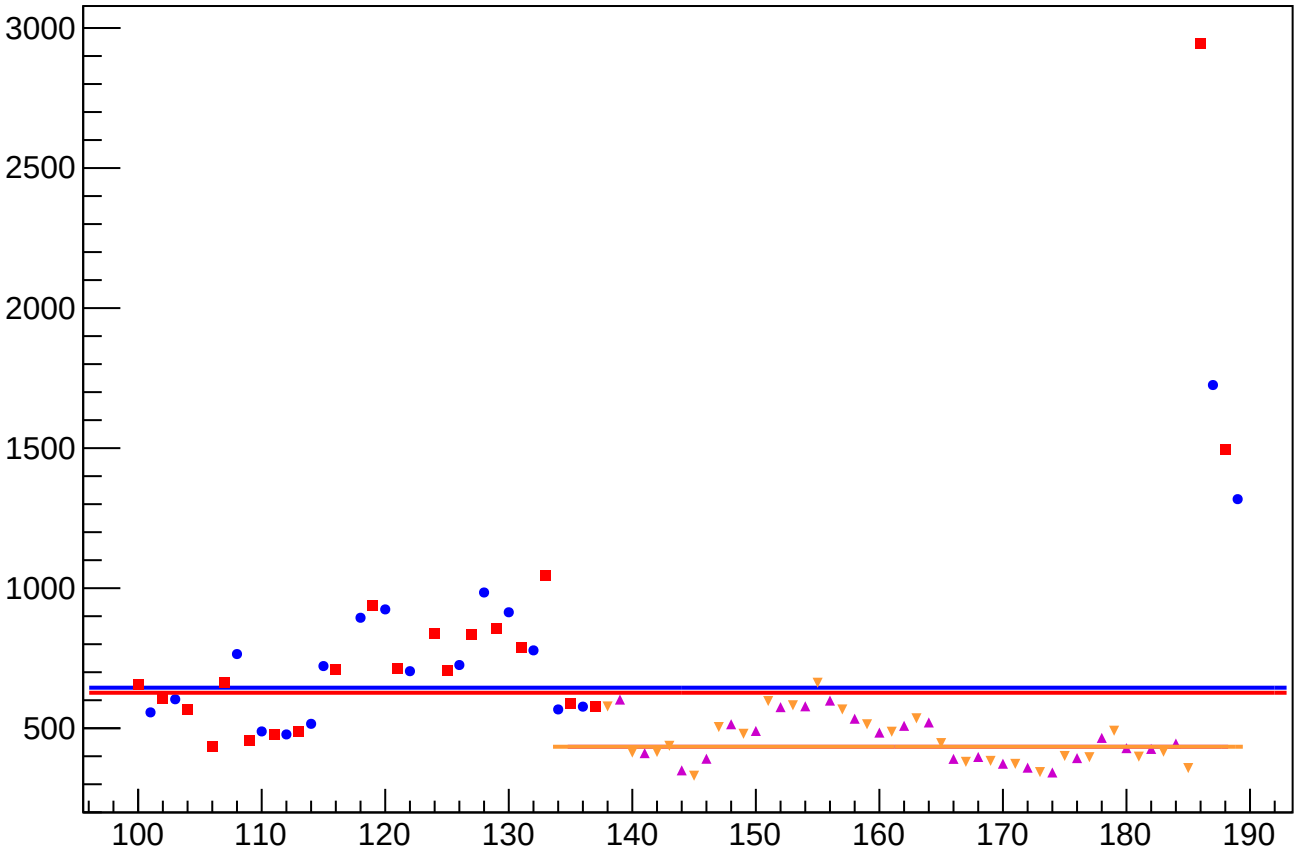
Right Out: 502.022+/-225.982 χ^2/NDF: 16.7/20

Left In: 75.665+/-103.128 χ^2/NDF:24.5/22

+ sign 440.329+/-92.647 χ^2/NDF: 92.0/42

All: 296.574+/-65.922 χ^2/NDF: 141.1/86

- sign 149.154+/-93.820 χ^2/NDF: 44.1/43



Right In: 644.757+/-0.169 χ^2/NDF: 1119169.7/17

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 626.671+/-0.160 χ^2/NDF: 2038387.6/20

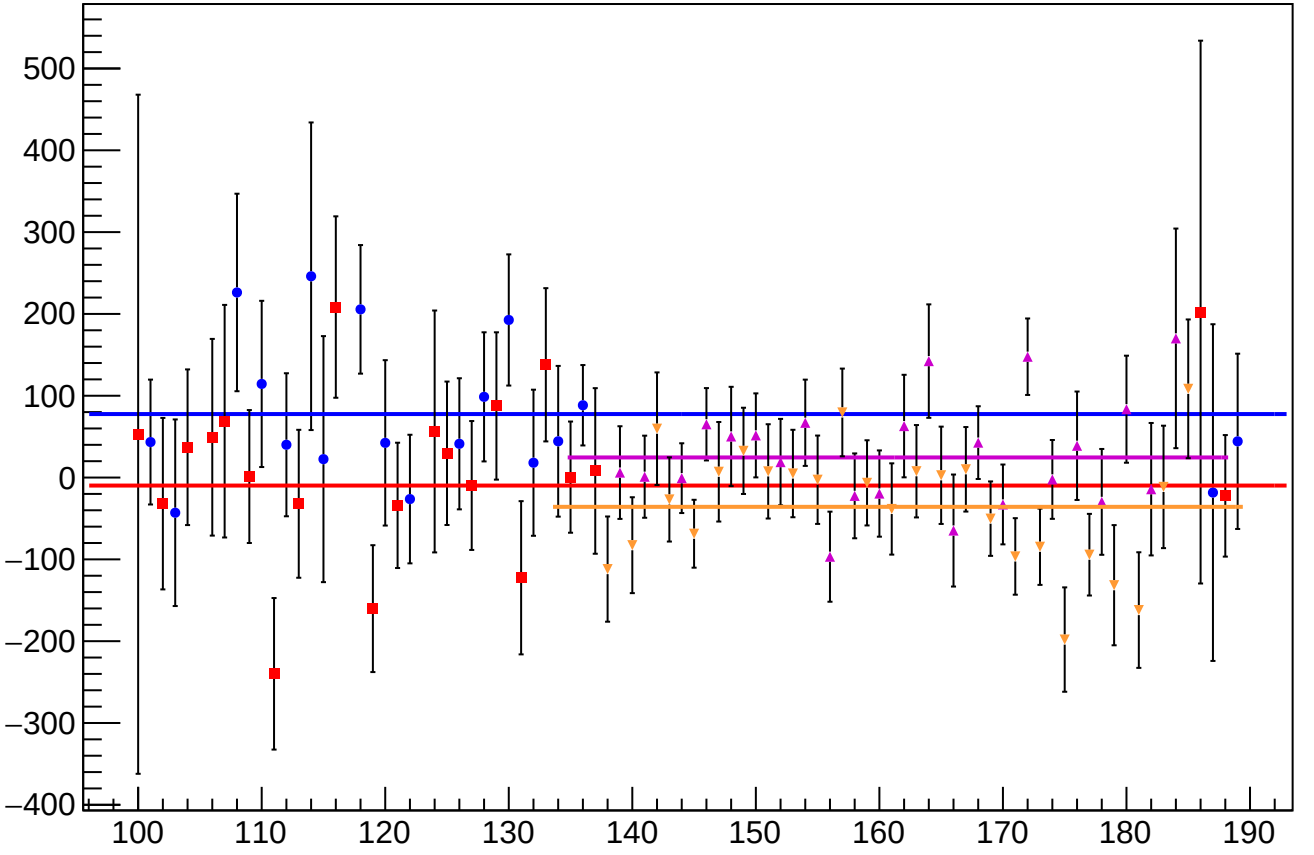
Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

+ sign 465.695+/-0.066 χ^2/NDF: 3687559.6/42

All: 466.329+/-0.047 χ^2/NDF: 8027652.2/86

- sign 466.979+/-0.066 χ^2/NDF: 4339902.8/43

eigen_cor_asym_sam_15_48_dd_mean vs Slug



Right In: 77.613+/-20.946 χ^2/NDF: 11.9/17

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: -9.784+/-20.728 χ^2/NDF: 20.8/20

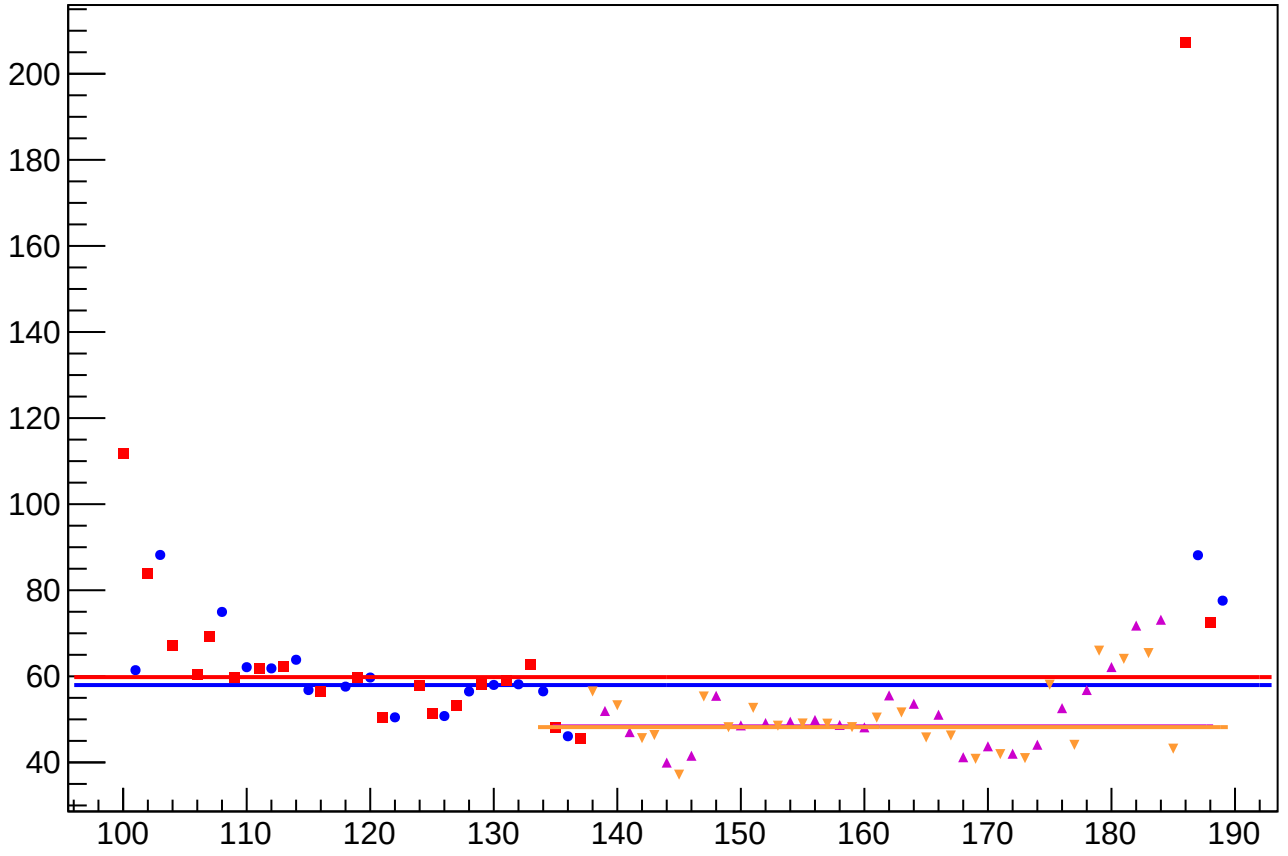
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

+ sign -10.860+/-9.821 χ^2/NDF: 68.4/42

All: 2.532+/-7.020 χ^2/NDF: 120.9/86

- sign 16.518+/-10.037 χ^2/NDF: 48.7/43

eigen_cor_asym_sam_15_48_dd_rms vs Slug



Right In: 57.971+/-0.015 χ^2/NDF: 457043.3/17

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

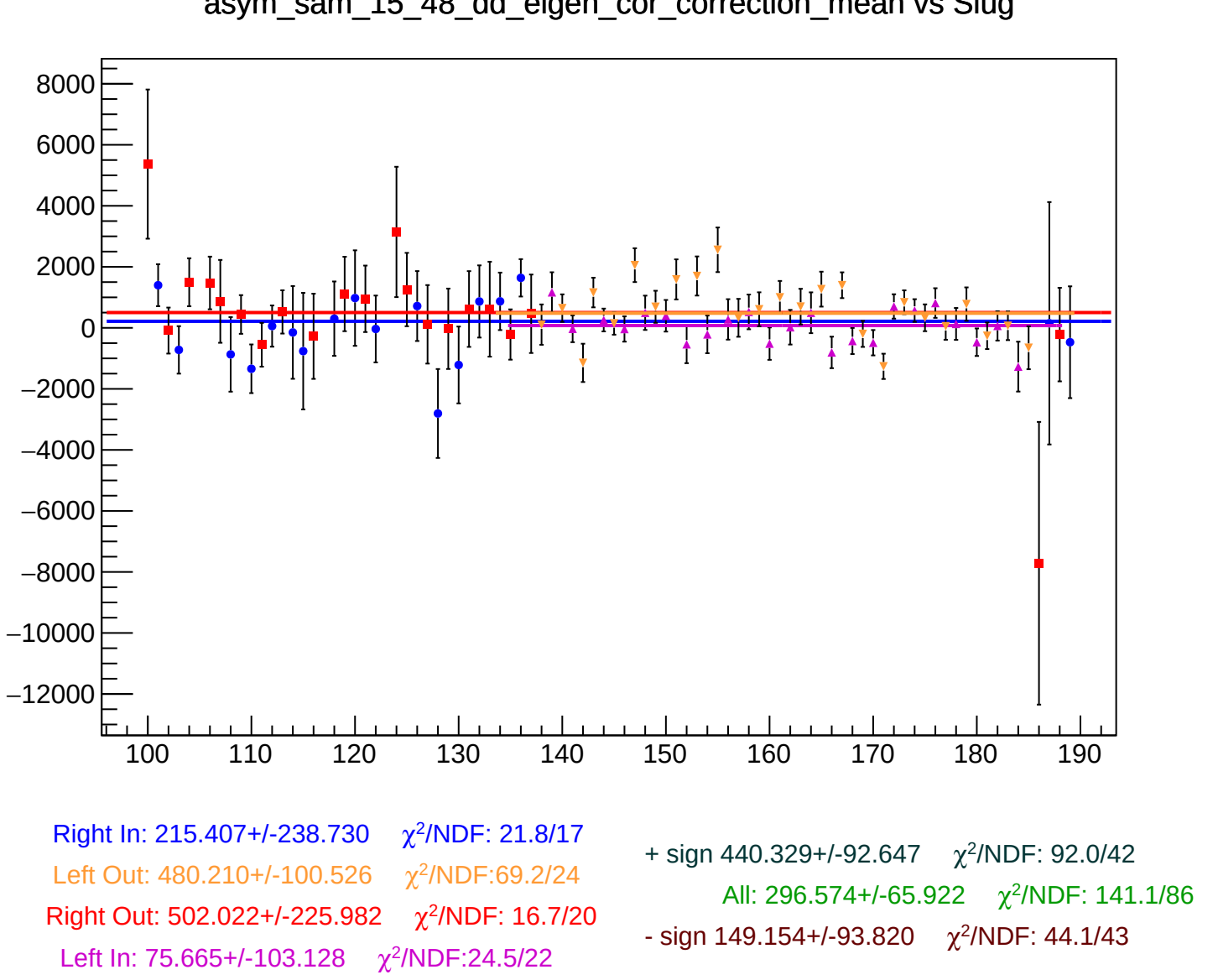
Right Out: 59.821+/-0.015 χ^2/NDF: 779506.5/20

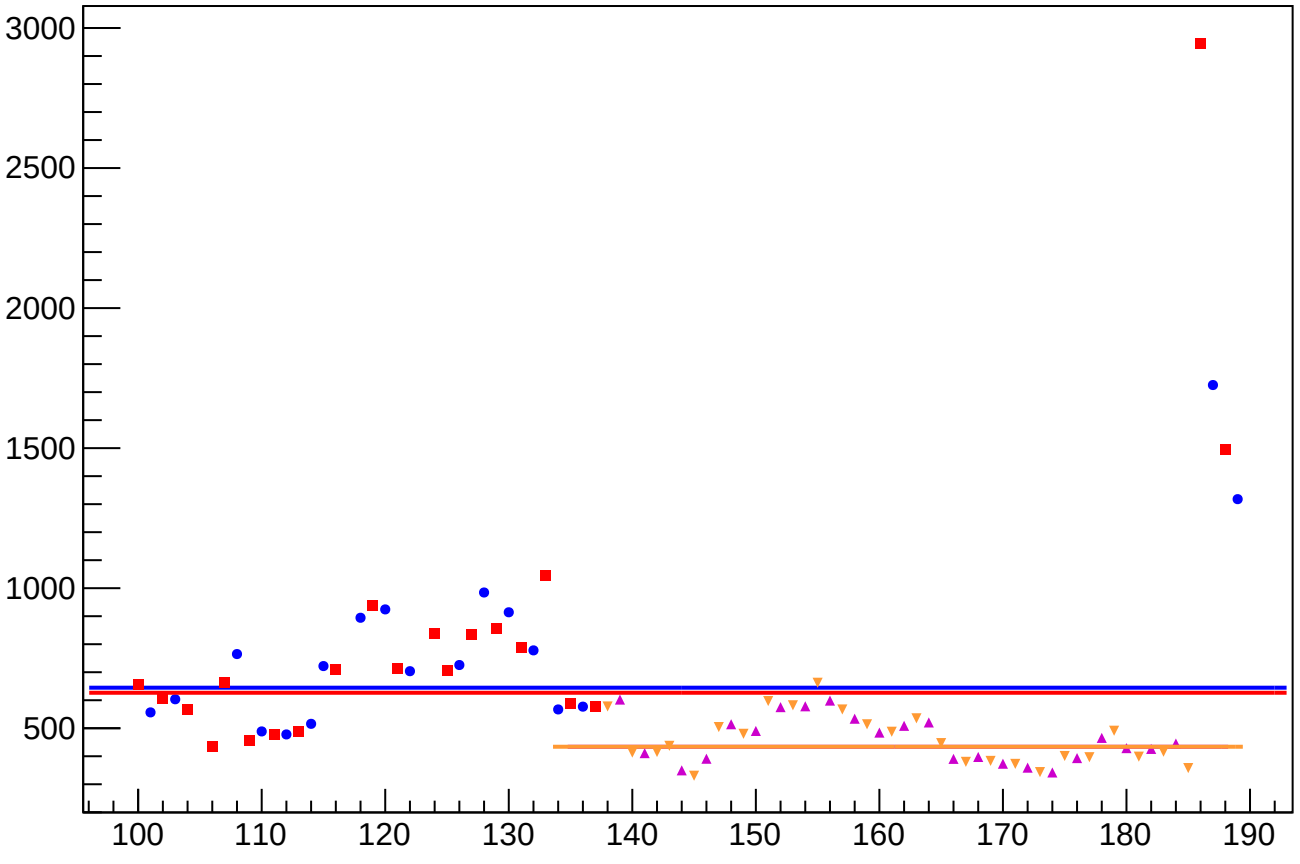
Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 50.347+/-0.007 χ^2/NDF: 1576973.6/42

All: 50.697+/-0.005 χ^2/NDF: 3523500.5/86

- sign 51.063+/-0.007 χ^2/NDF: 1941325.9/43


asym_sam_15_48_dd_eigen_cor_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
180
190
Right In: 215.407+/-238.730 χ²/NDF: 21.8/17
Left Out: 480.210+/-100.526 χ²/NDF:69.2/24
Right Out: 502.022+/-225.982 χ²/NDF: 16.7/20
Left In: 75.665+/-103.128 χ²/NDF:24.5/22
+ sign 440.329+/-92.647 χ²/NDF: 92.0/42
All: 296.574+/-65.922 χ²/NDF: 141.1/86
- sign 149.154+/-93.820 χ²/NDF: 44.1/43



Right In: 644.757+/-0.169 χ^2/NDF: 1119169.7/17

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 626.671+/-0.160 χ^2/NDF: 2038387.6/20

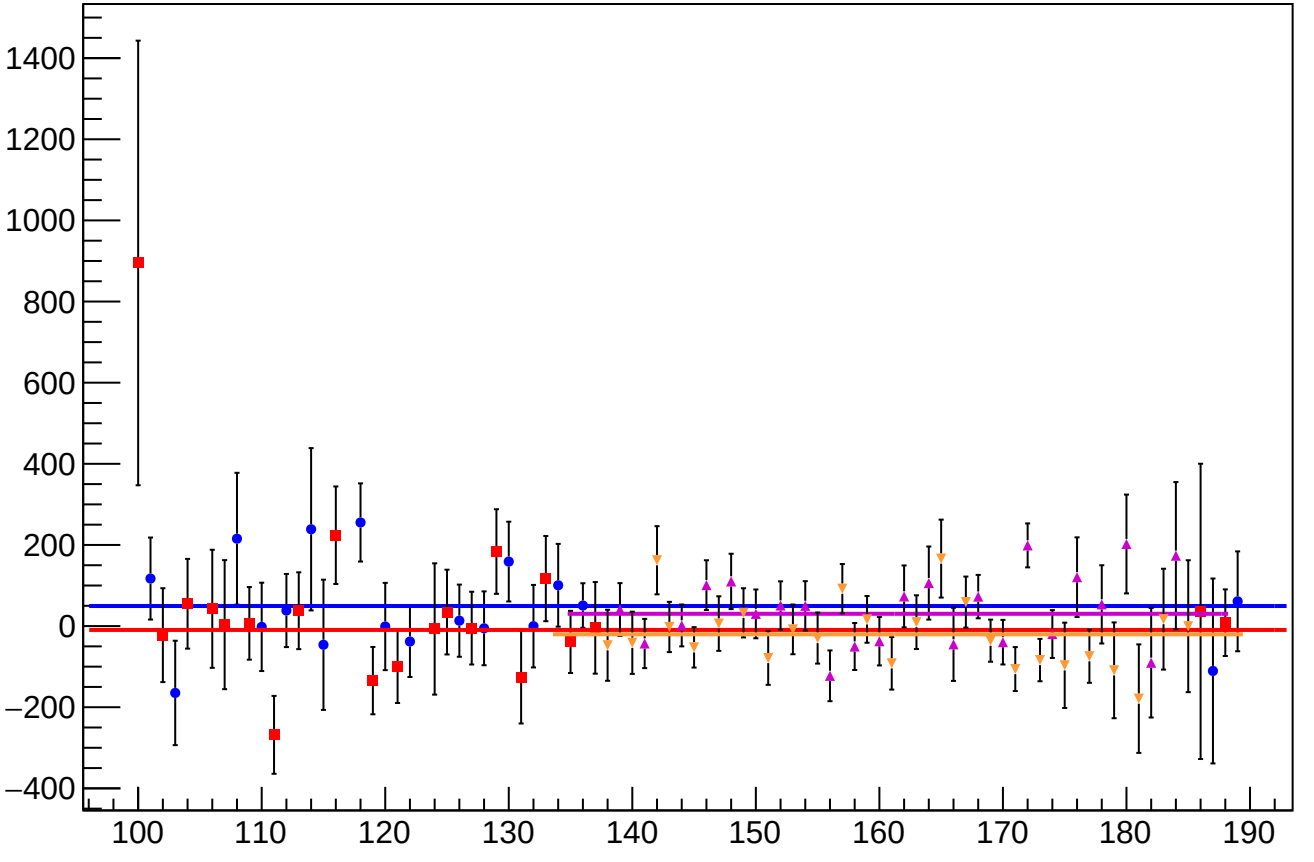
Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

+ sign 465.695+/-0.066 χ^2/NDF: 3687559.6/42

All: 466.329+/-0.047 χ^2/NDF: 8027652.2/86

- sign 466.979+/-0.066 χ^2/NDF: 4339902.8/43

dit_asym_sam_15_48_dd_mean vs Slug



Right In: 49.470+/-23.889 χ^2/NDF: 14.3/17

Left Out: -20.270+/-13.636 χ^2/NDF:25.1/24

Right Out: -9.491+/-23.275 χ^2/NDF: 24.1/20

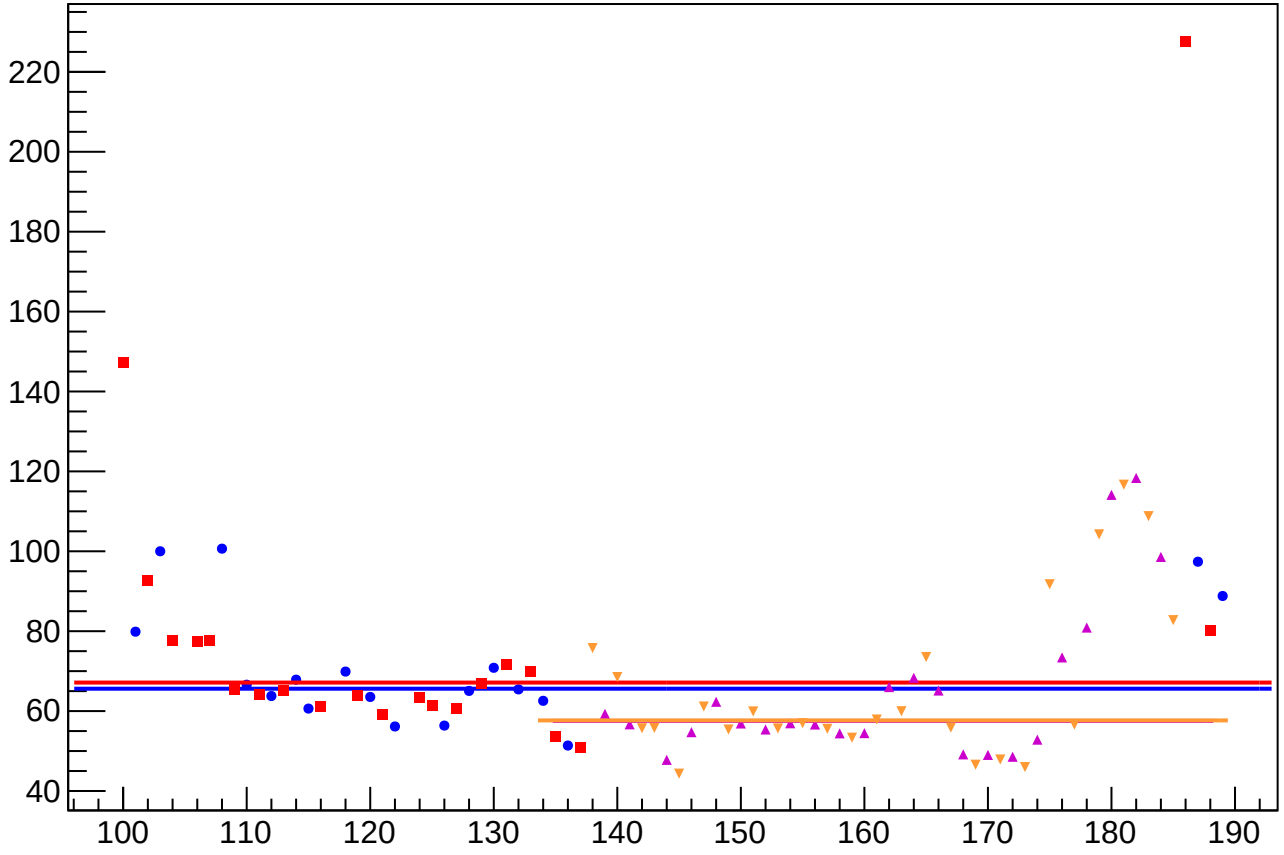
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

+ sign -3.131+/-11.843 χ^2/NDF: 45.9/42

All: 8.182+/-8.423 χ^2/NDF: 106.5/86

- sign 19.765+/-11.984 χ^2/NDF: 58.8/43

dit_asym_sam_15_48_dd_rms vs Slug



Right In: 65.603+/-0.017 χ^2/NDF: 580440.3/17

Left Out: 57.668+/-0.010 χ^2/NDF:1909743.5/24

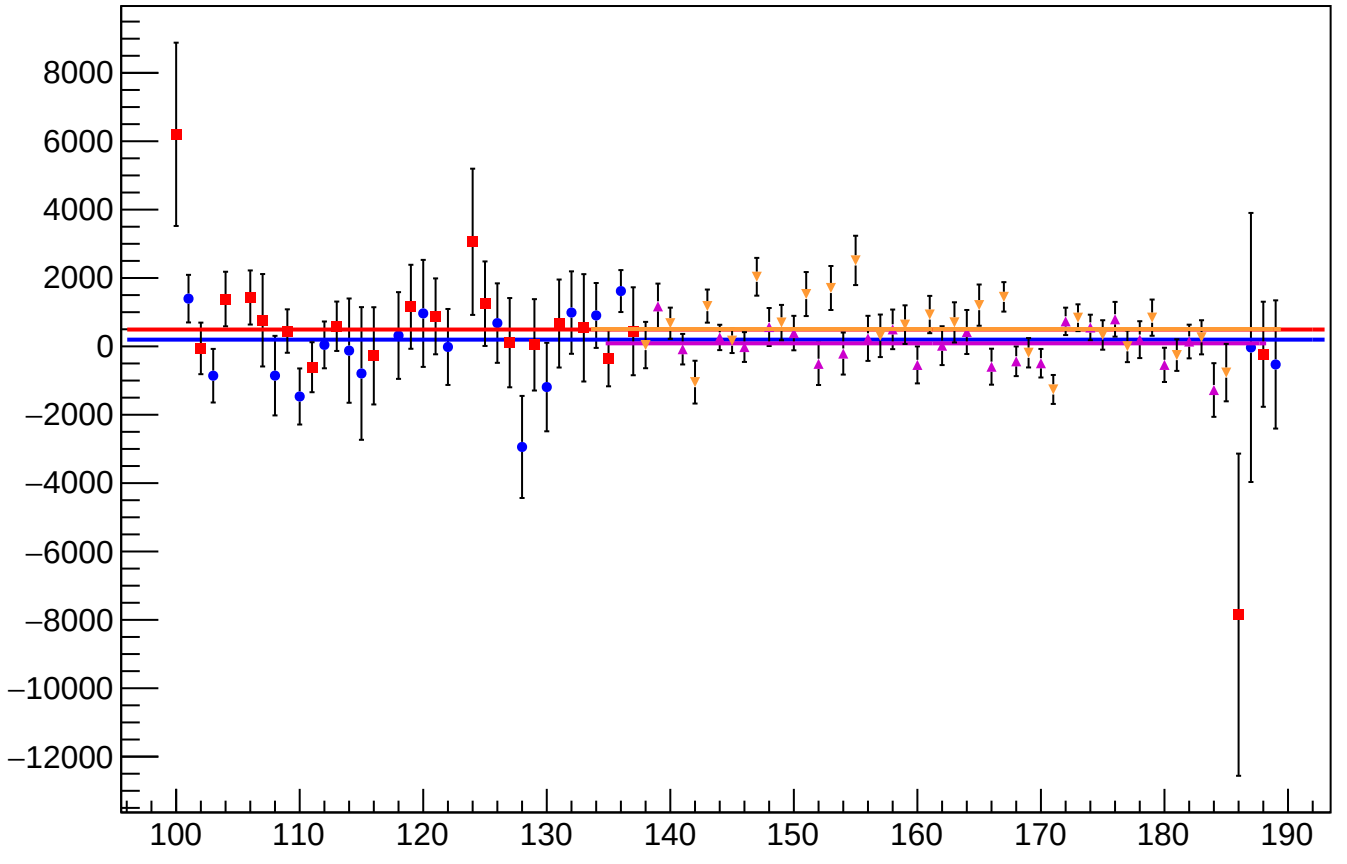
Right Out: 67.141+/-0.016 χ^2/NDF: 770096.0/20

Left In: 57.539+/-0.010 χ^2/NDF:1443279.4/22

+ sign 59.618+/-0.008 χ^2/NDF: 2656587.2/42

All: 59.849+/-0.006 χ^2/NDF: 5121601.6/86

- sign 60.085+/-0.008 χ^2/NDF: 2463481.6/43



Right In: 196.872+/-241.309 χ^2/NDF: 22.6/17

Left Out: 507.171+/-101.776 χ^2/NDF:65.8/24

Right Out: 492.699+/-226.893 χ^2/NDF: 17.2/20

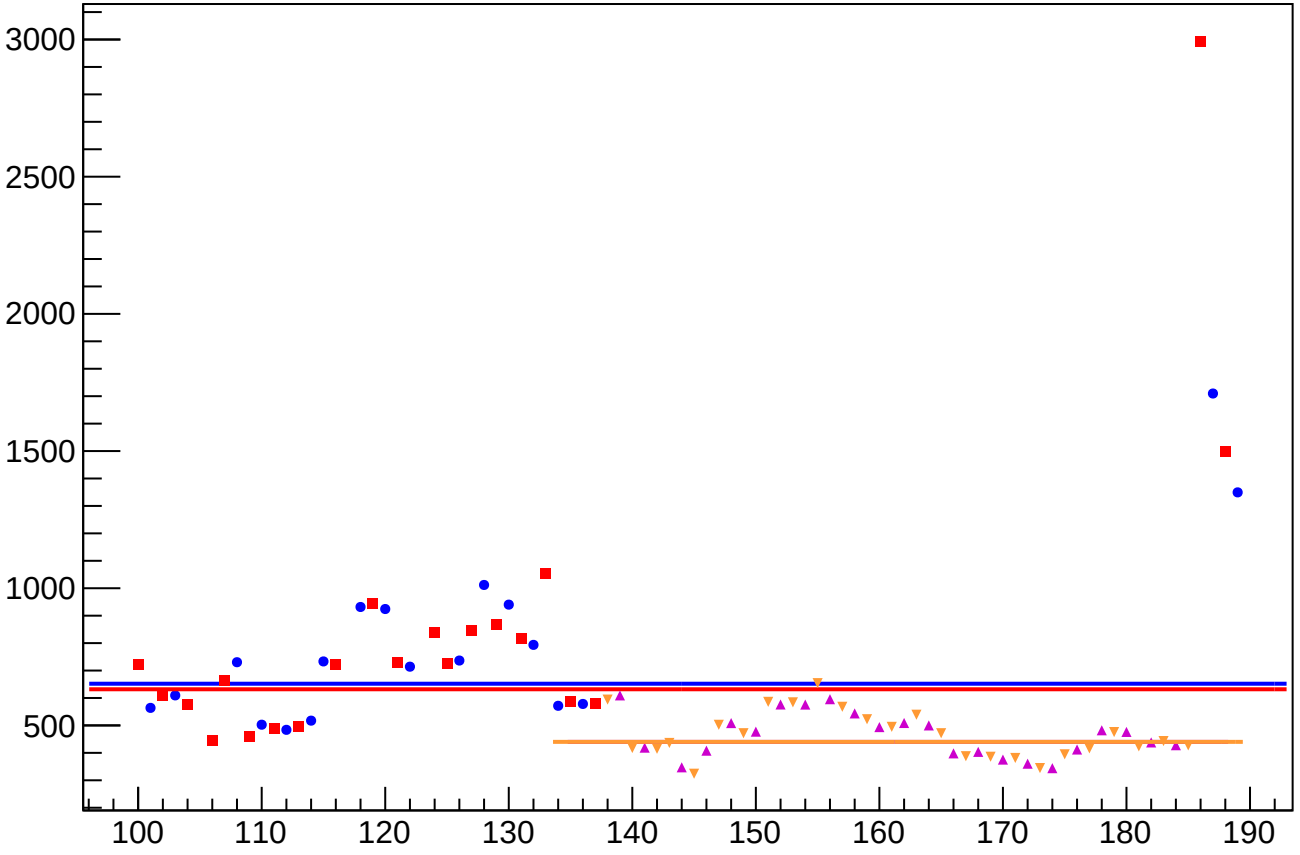
Left In: 88.471+/-104.542 χ^2/NDF:23.3/22

+ sign 460.309+/-93.777 χ^2/NDF: 89.8/42

All: 311.652+/-66.720 χ^2/NDF: 138.0/86

- sign 159.259+/-94.948 χ^2/NDF: 43.1/43

asym_sam_15_48_dd_dit_correction_rms vs Slug



Right In: 651.988+/-0.171 χ^2/NDF: 1134734.1/17

Left Out: 440.075+/-0.072 χ^2/NDF:1196985.5/24

Right Out: 631.755+/-0.160 χ^2/NDF: 2054593.5/20

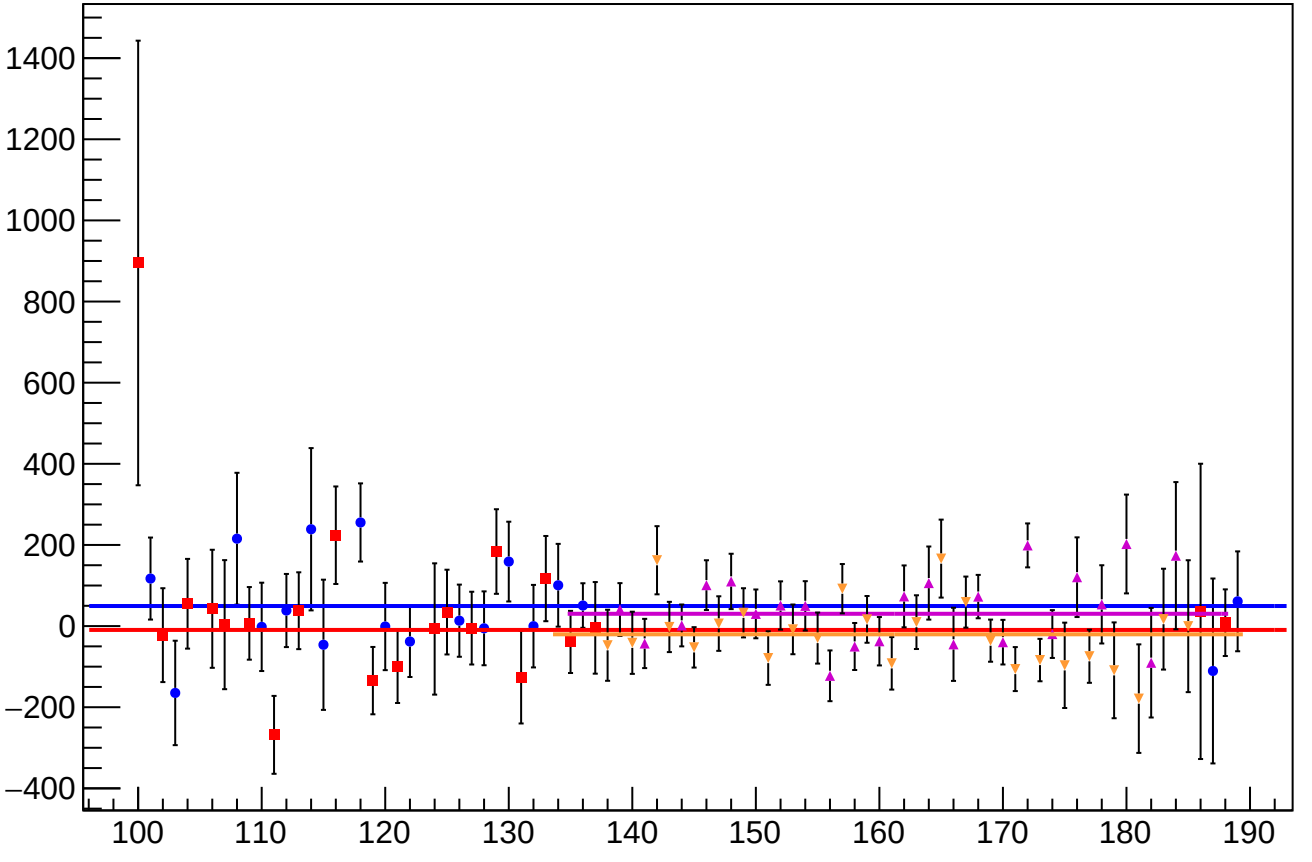
Left In: 439.877+/-0.074 χ^2/NDF:1061910.1/22

+ sign 472.079+/-0.066 χ^2/NDF: 3641187.7/42

All: 472.770+/-0.047 χ^2/NDF: 7937767.7/86

- sign 473.478+/-0.067 χ^2/NDF: 4296360.1/43

eigen_dit_asym_sam_15_48_dd_mean vs Slug



Right In: 49.468+/-23.889 χ^2/NDF: 14.3/17

Left Out: -20.271+/-13.636 χ^2/NDF:25.1/24

Right Out: -9.490+/-23.275 χ^2/NDF: 24.1/20

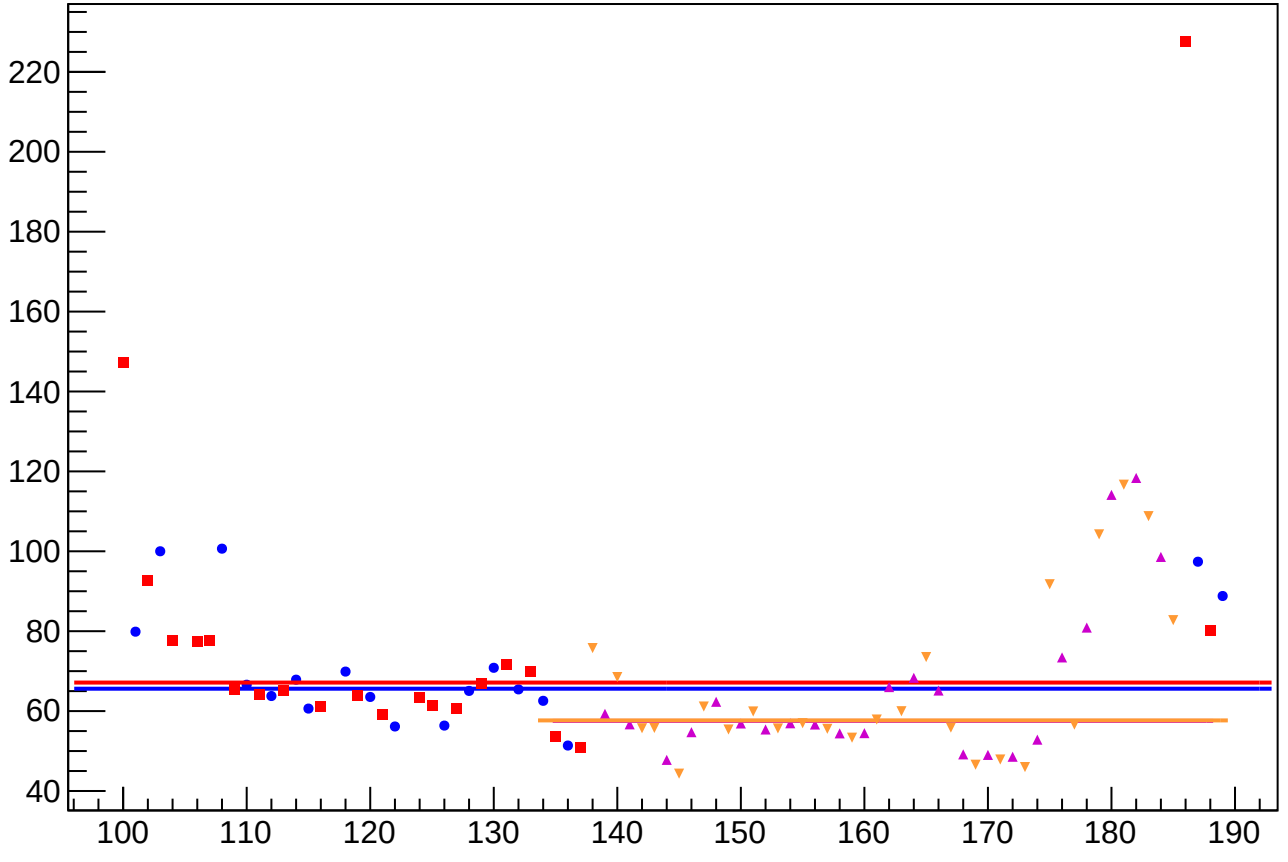
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

+ sign -3.132+/-11.843 χ^2/NDF: 45.9/42

All: 8.182+/-8.423 χ^2/NDF: 106.5/86

- sign 19.766+/-11.984 χ^2/NDF: 58.8/43

eigen_dit_asym_sam_15_48_dd_rms vs Slug



Right In: 65.602+/-0.017 χ^2/NDF: 580436.3/17

Left Out: 57.668+/-0.010 χ^2/NDF:1909739.8/24

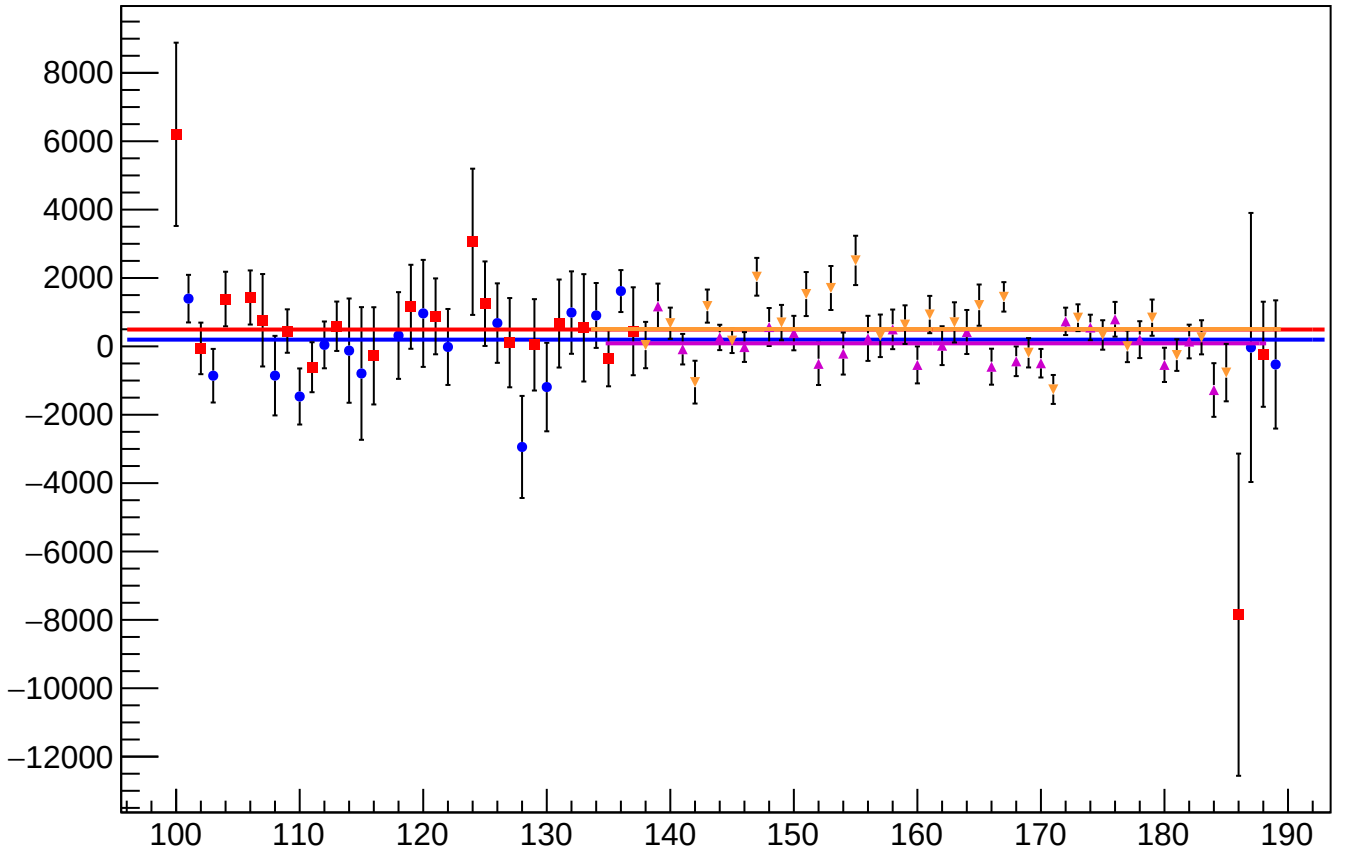
Right Out: 67.140+/-0.016 χ^2/NDF: 770105.9/20

Left In: 57.539+/-0.010 χ^2/NDF:1443262.3/22

+ sign 59.618+/-0.008 χ^2/NDF: 2656570.7/42

All: 59.849+/-0.006 χ^2/NDF: 5121568.0/86

- sign 60.085+/-0.008 χ^2/NDF: 2463464.9/43



Right In: 196.872+/-241.309 χ^2/NDF: 22.6/17

Left Out: 507.170+/-101.776 χ^2/NDF:65.8/24

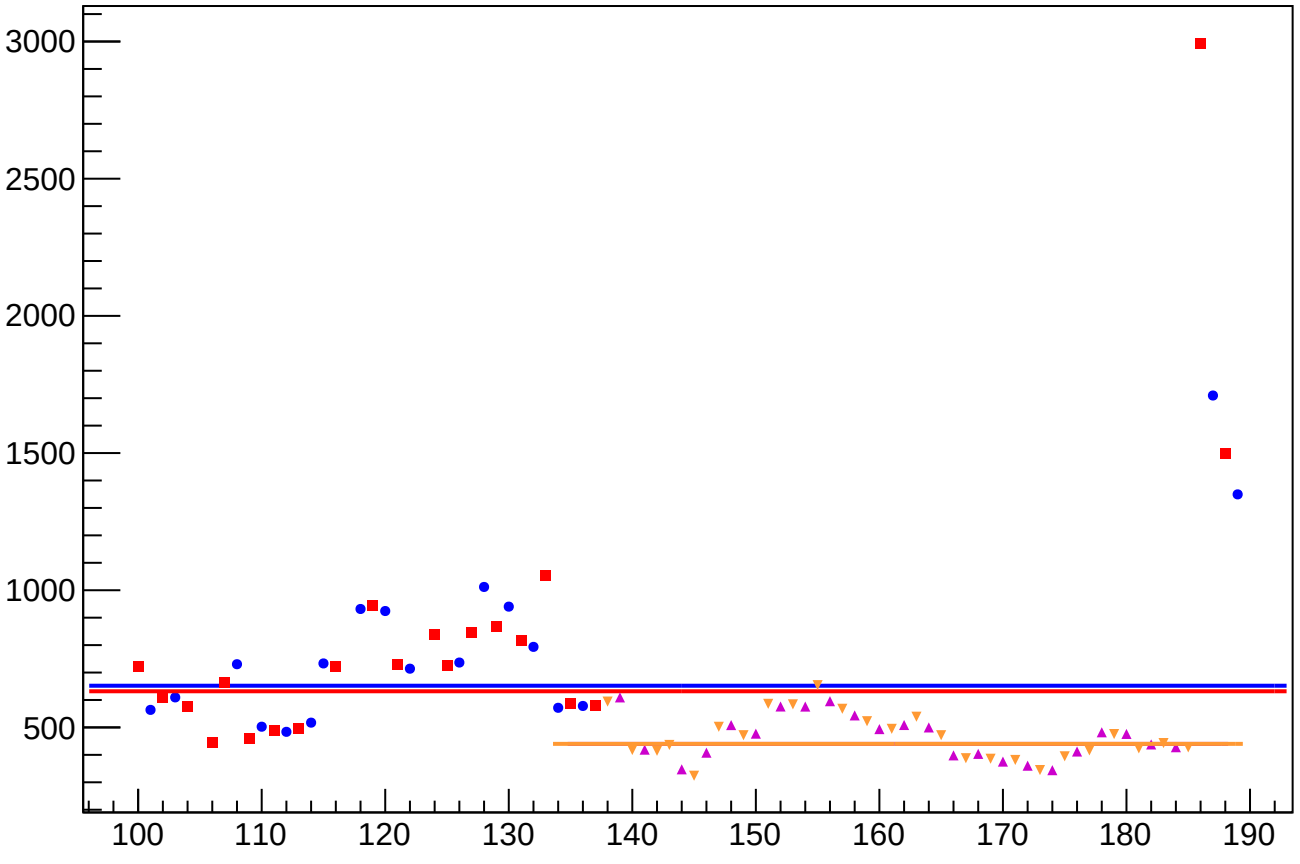
Right Out: 492.698+/-226.892 χ^2/NDF: 17.2/20

Left In: 88.471+/-104.541 χ^2/NDF:23.3/22

\+ sign 460.308+/-93.776 χ^2/NDF: 89.8/42

All: 311.651+/-66.720 χ^2/NDF: 138.0/86

\- sign 159.258+/-94.948 χ^2/NDF: 43.1/43



Right In: 651.988+/-0.171 χ^2/NDF: 1134736.7/17

Left Out: 440.074+/-0.072 χ^2/NDF:1196993.4/24

Right Out: 631.754+/-0.160 χ^2/NDF: 2054594.8/20

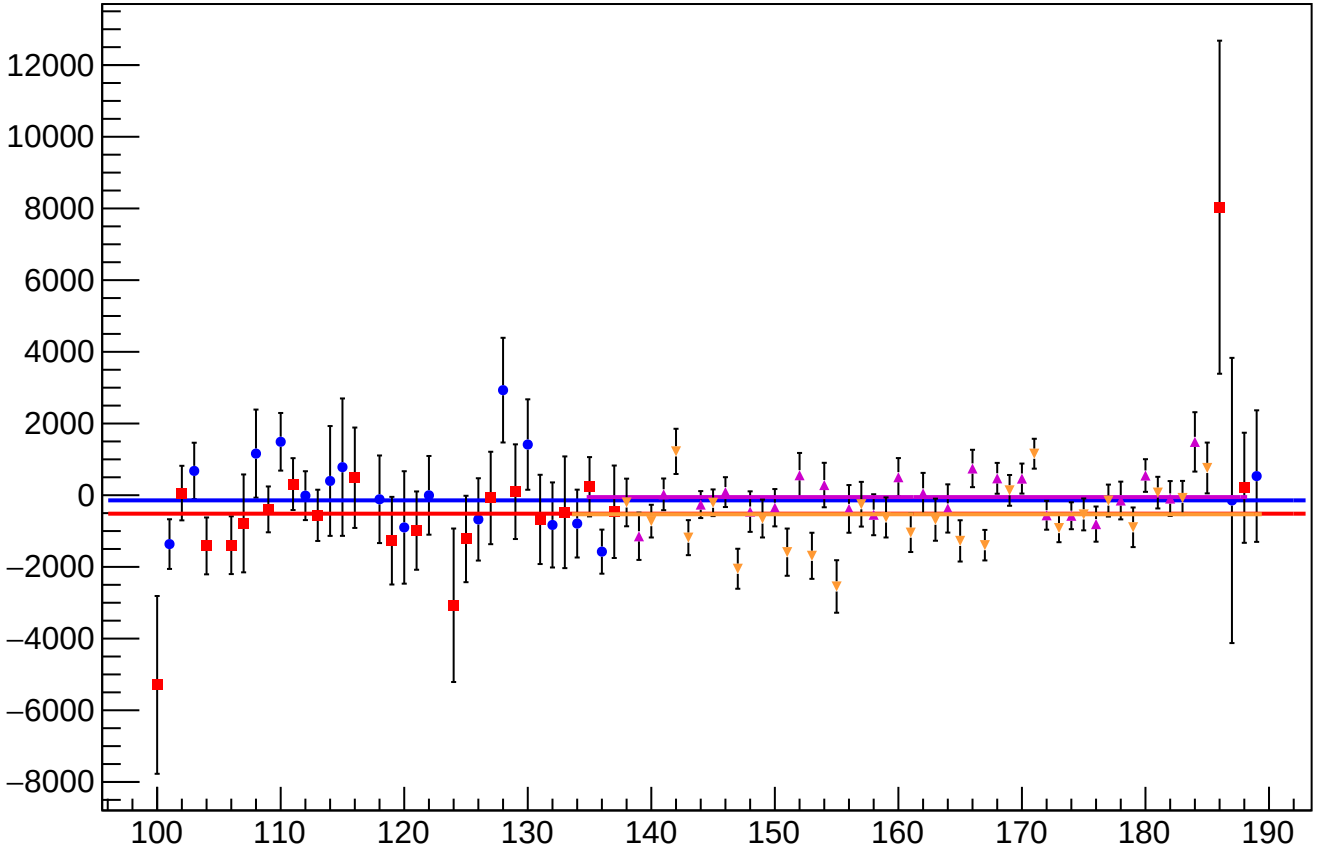
Left In: 439.876+/-0.074 χ^2/NDF:1061916.6/22

+ sign 472.078+/-0.066 χ^2/NDF: 3641205.6/42

All: 472.769+/-0.047 χ^2/NDF: 7937802.2/86

- sign 473.477+/-0.067 χ^2/NDF: 4296376.7/43

asym_sam_15_48_dd_mean vs Slug



Right In: -143.833+/-240.065 χ^2/NDF: 22.6/17

Left Out: -531.569+/-101.245 χ^2/NDF:65.6/24

Right Out: -515.369+/-226.121 χ^2/NDF: 15.8/20

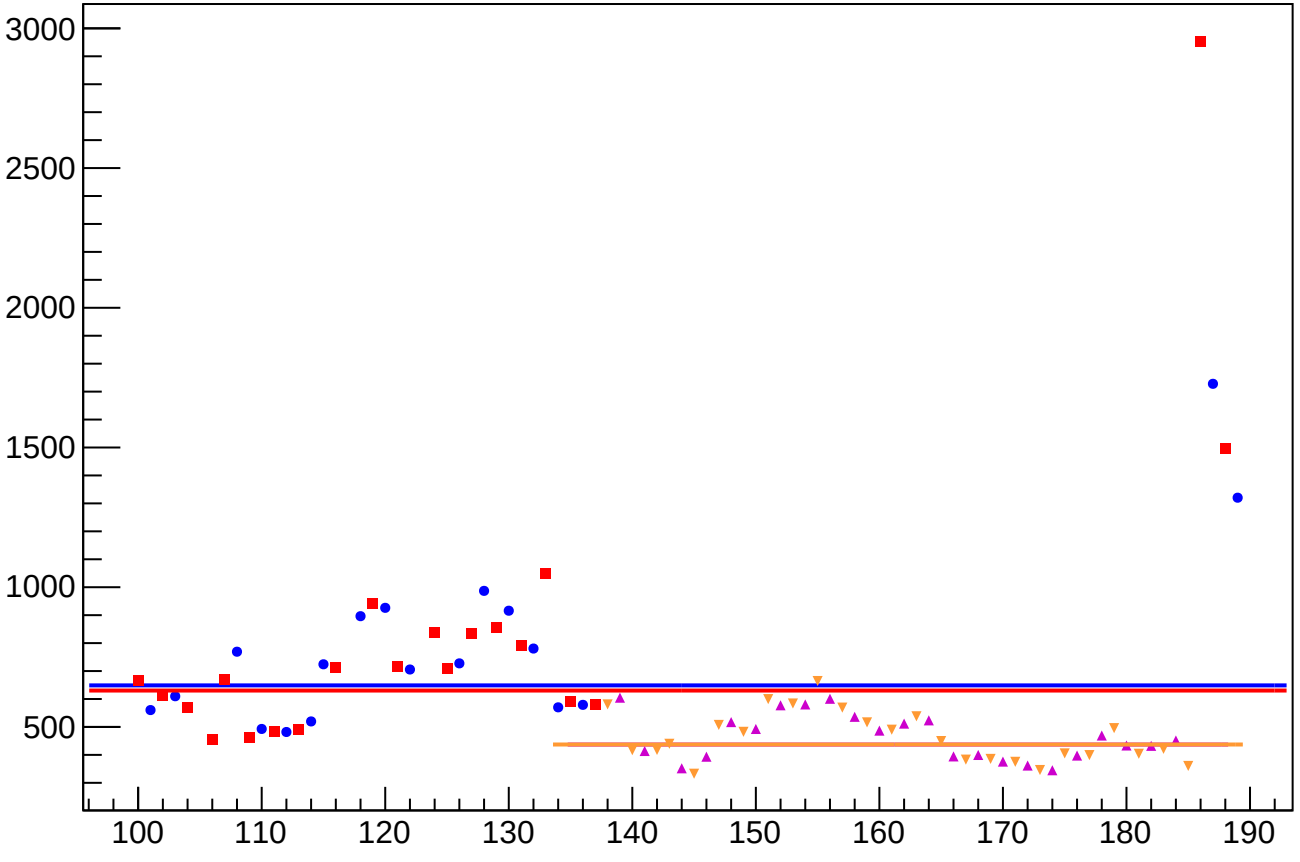
Left In: -52.554+/-103.870 χ^2/NDF:24.1/22

+ sign -473.018+/-93.288 χ^2/NDF: 90.4/42

All: -305.098+/-66.350 χ^2/NDF: 140.3/86

- sign -133.195+/-94.388 χ^2/NDF: 43.3/43

asym_sam_15_48_dd_rms vs Slug



Right In: 648.714+/-0.170 χ^2/NDF: 1104600.4/17

Left Out: 437.157+/-0.072 χ^2/NDF:1227453.3/24

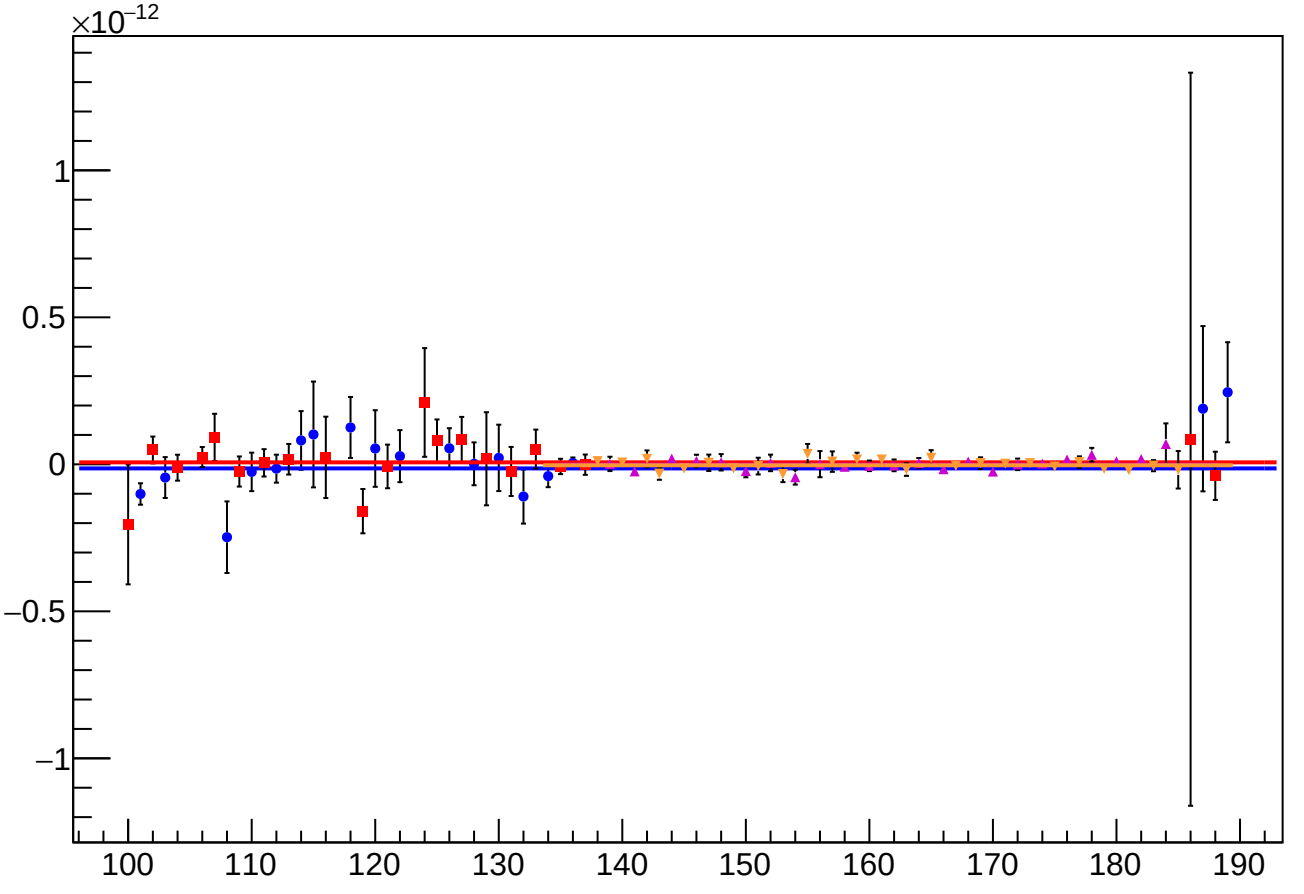
Right Out: 630.248+/-0.160 χ^2/NDF: 2013297.7/20

Left In: 436.937+/-0.073 χ^2/NDF:1080038.0/22

+ sign 469.103+/-0.066 χ^2/NDF: 3650719.3/42

All: 469.853+/-0.047 χ^2/NDF: 7951328.3/86

- sign 470.620+/-0.067 χ^2/NDF: 4300347.8/43



Right In: -0.000+/-0.000 χ^2/NDF: 19.8/17

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/24

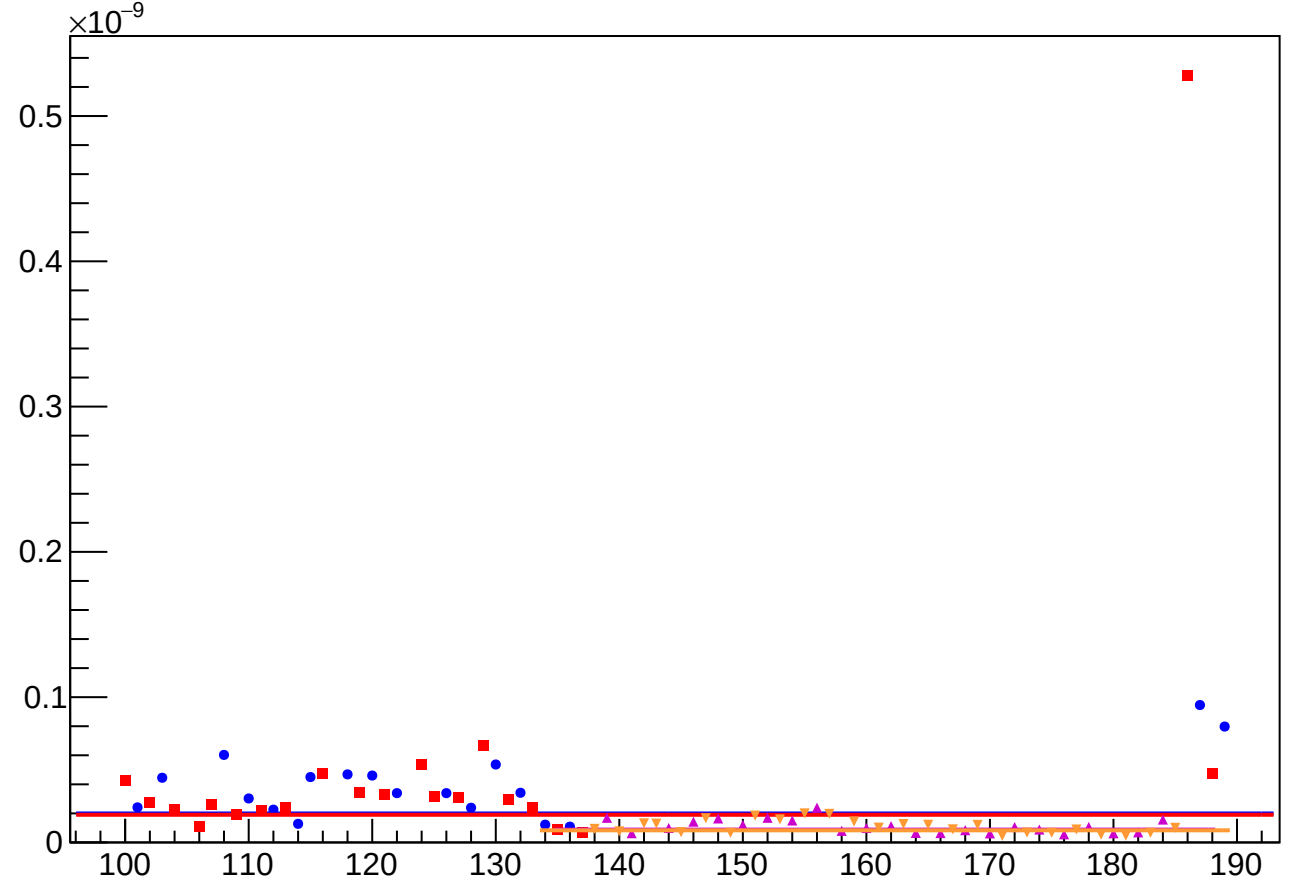
Right Out: 0.000+/-0.000 χ^2/NDF: 13.3/20

Left In: -0.000+/-0.000 χ^2/NDF:22.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 34.8/42

All: -0.000+/-0.000 χ^2/NDF: 71.0/86

- sign -0.000+/-0.000 χ^2/NDF: 35.7/43



Right In: 0.000+/-0.000 χ^2/NDF: 2126523.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:2207304.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2019176.5/20

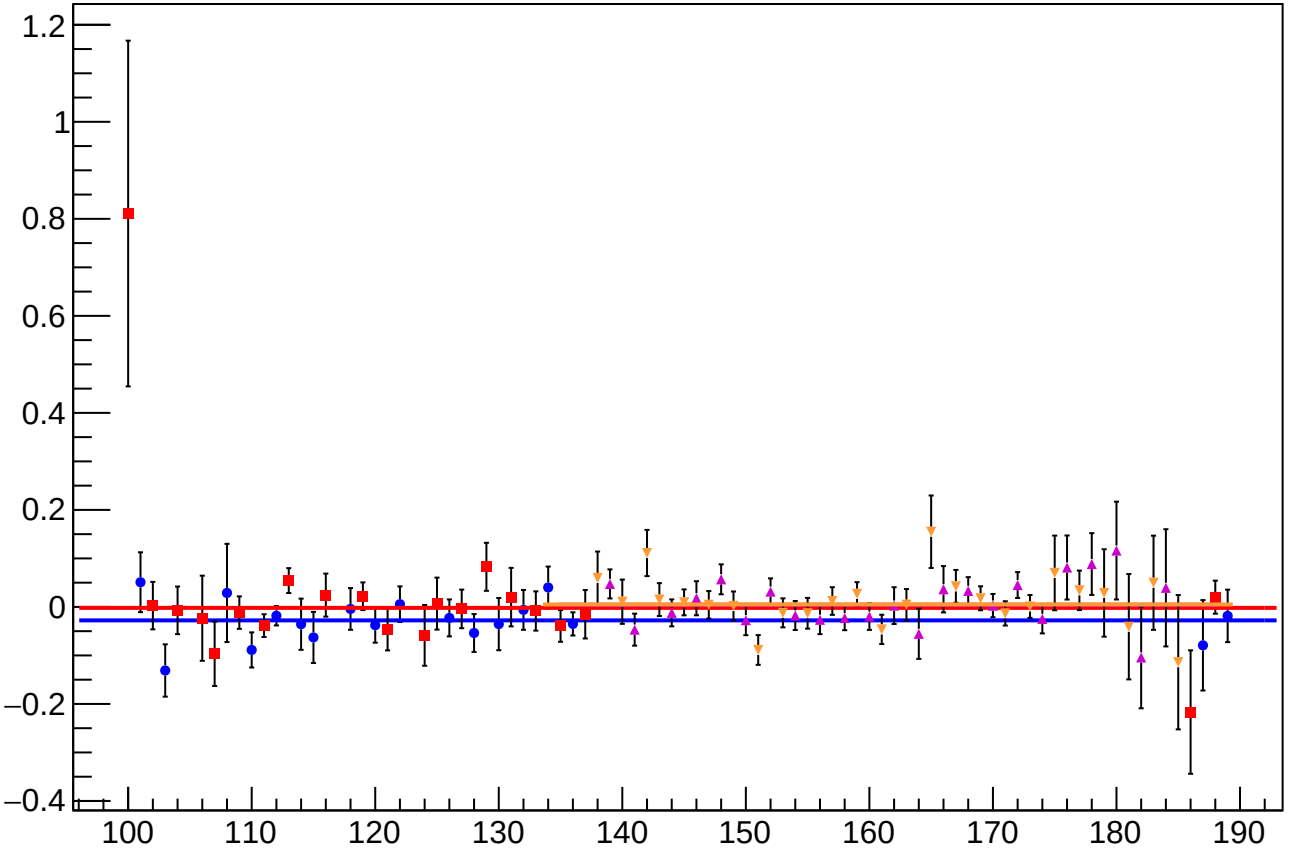
Left In: 0.000+/-0.000 χ^2/NDF:1644276.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 5918994.5/42

All: 0.000+/-0.000 χ^2/NDF: 10929350.8/86

- sign 0.000+/-0.000 χ^2/NDF: 4984688.5/43

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.028+/-0.009 χ^2/NDF: 14.0/17

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: -0.002+/-0.009 χ^2/NDF: 25.4/20

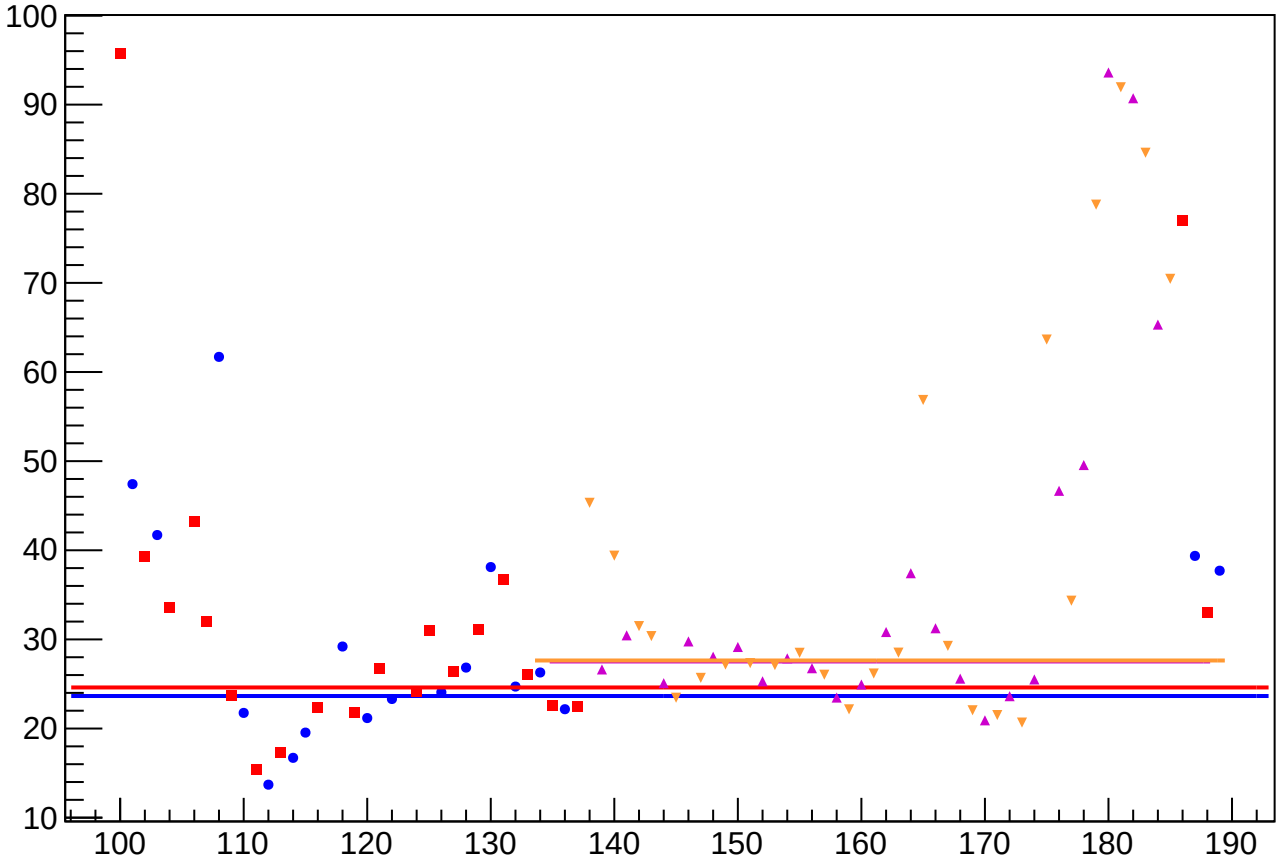
Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.007+/-0.005 χ^2/NDF: 50.6/42

All: -0.002+/-0.004 χ^2/NDF: 102.7/86

- sign 0.002+/-0.006 χ^2/NDF: 50.8/43

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 23.649+/-0.007 χ^2/NDF: 1764182.9/17

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

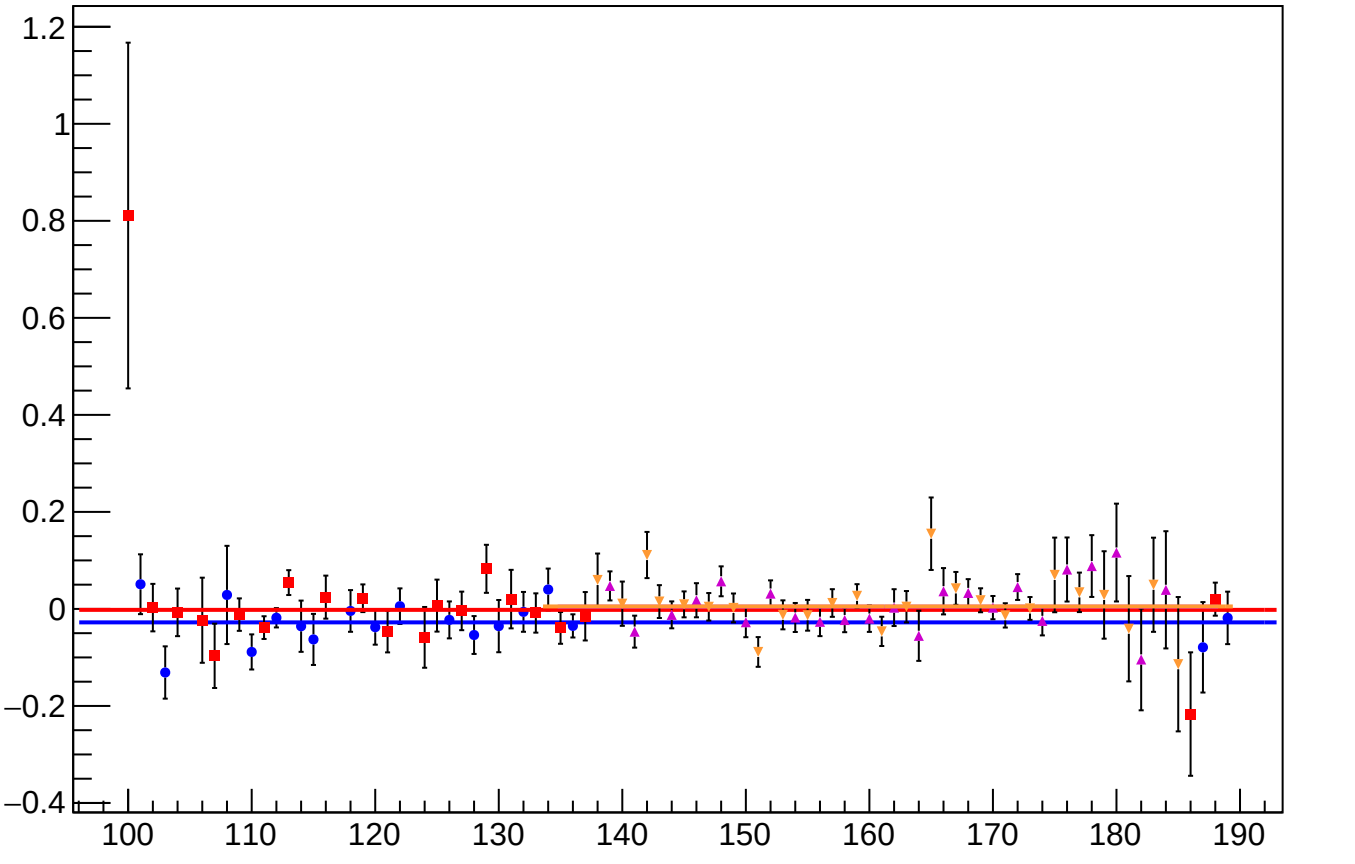
Right Out: 24.609+/-0.006 χ^2/NDF: 1569087.3/20

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

+ sign 26.216+/-0.004 χ^2/NDF: 5979427.8/42

All: 26.318+/-0.003 χ^2/NDF: 10316474.2/86

- sign 26.420+/-0.004 χ^2/NDF: 4335665.1/43



Right In: -0.028+/-0.009 χ^2/NDF: 14.0/17

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

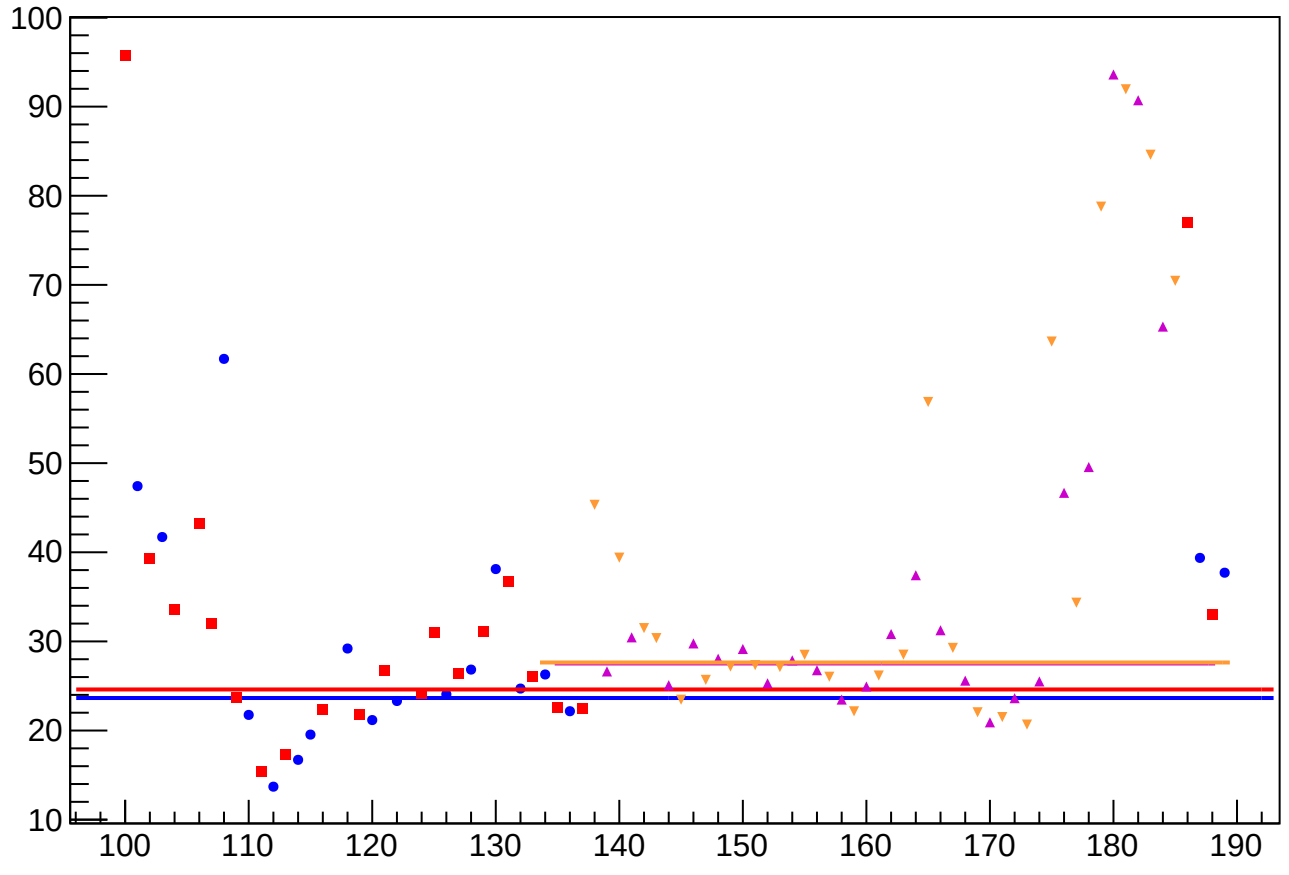
Right Out: -0.002+/-0.009 χ^2/NDF: 25.4/20

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.007+/-0.005 χ^2/NDF: 50.6/42

All: -0.002+/-0.004 χ^2/NDF: 102.7/86

- sign 0.002+/-0.006 χ^2/NDF: 50.8/43



Right In: 23.649+/-0.007 χ^2/NDF: 1764182.9/17

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

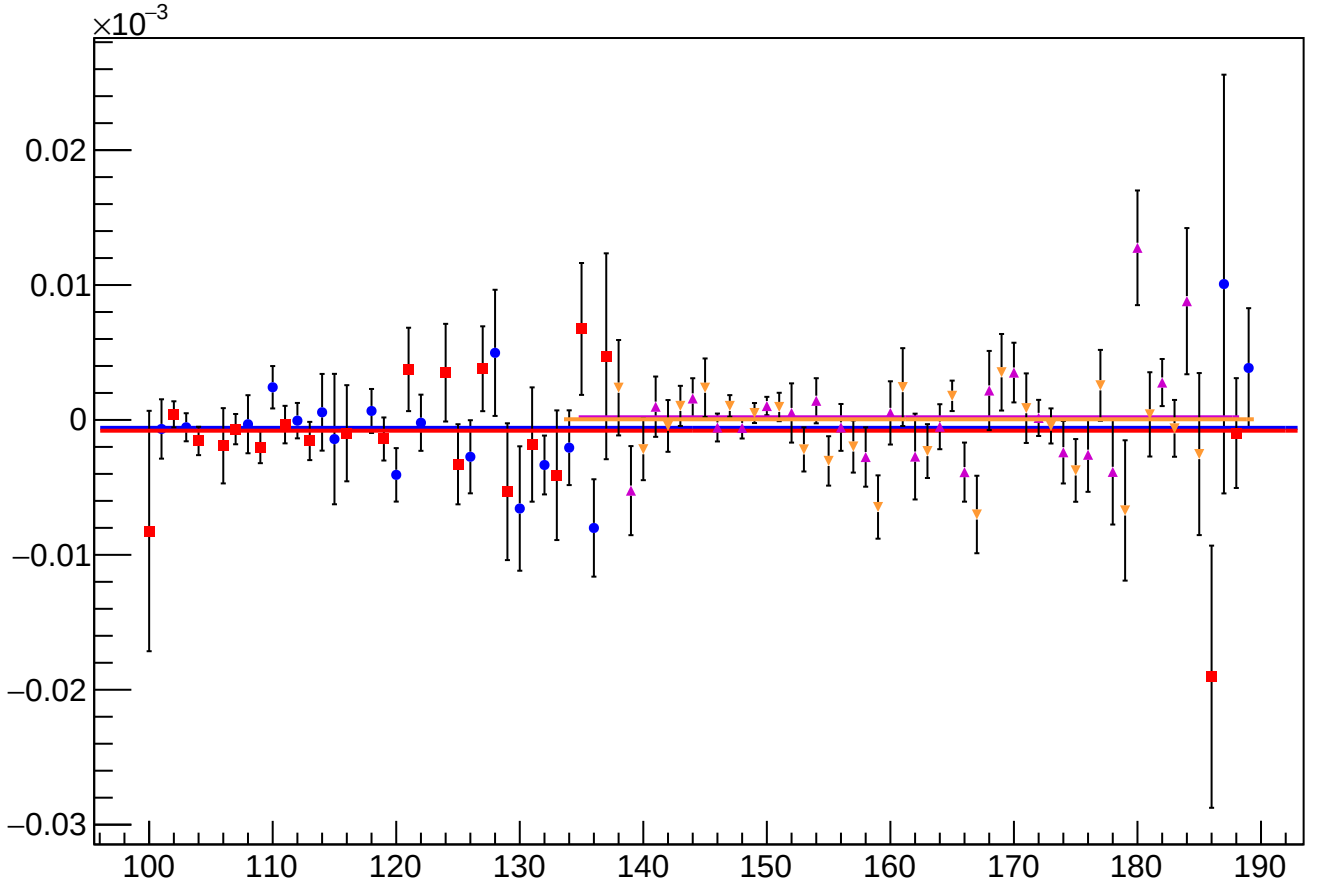
Right Out: 24.609+/-0.006 χ^2/NDF: 1569087.3/20

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

+ sign 26.216+/-0.004 χ^2/NDF: 5979427.8/42

All: 26.318+/-0.003 χ^2/NDF: 10316474.2/86

- sign 26.420+/-0.004 χ^2/NDF: 4335665.1/43



Right In: -0.000+/-0.000 χ^2/NDF: 19.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:37.0/24

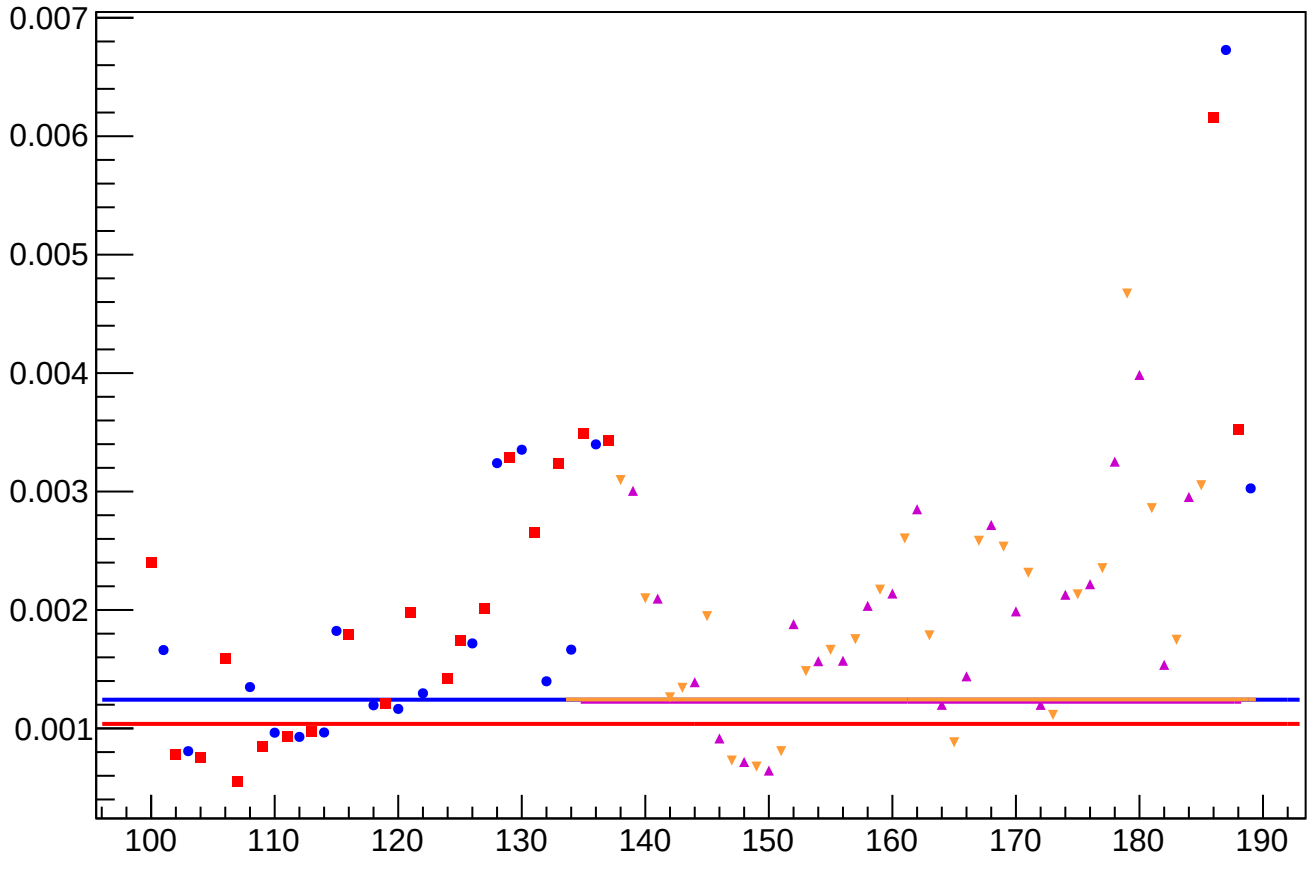
Right Out: -0.000+/-0.000 χ^2/NDF: 18.7/20

Left In: 0.000+/-0.000 χ^2/NDF:33.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 57.2/42

All: -0.000+/-0.000 χ^2/NDF: 112.7/86

- sign -0.000+/-0.000 χ^2/NDF: 55.5/43



Right In: 0.001+/-0.000 χ^2/NDF: 2847705.5/17

Left Out: 0.001+/-0.000 χ^2/NDF:8341059.1/24

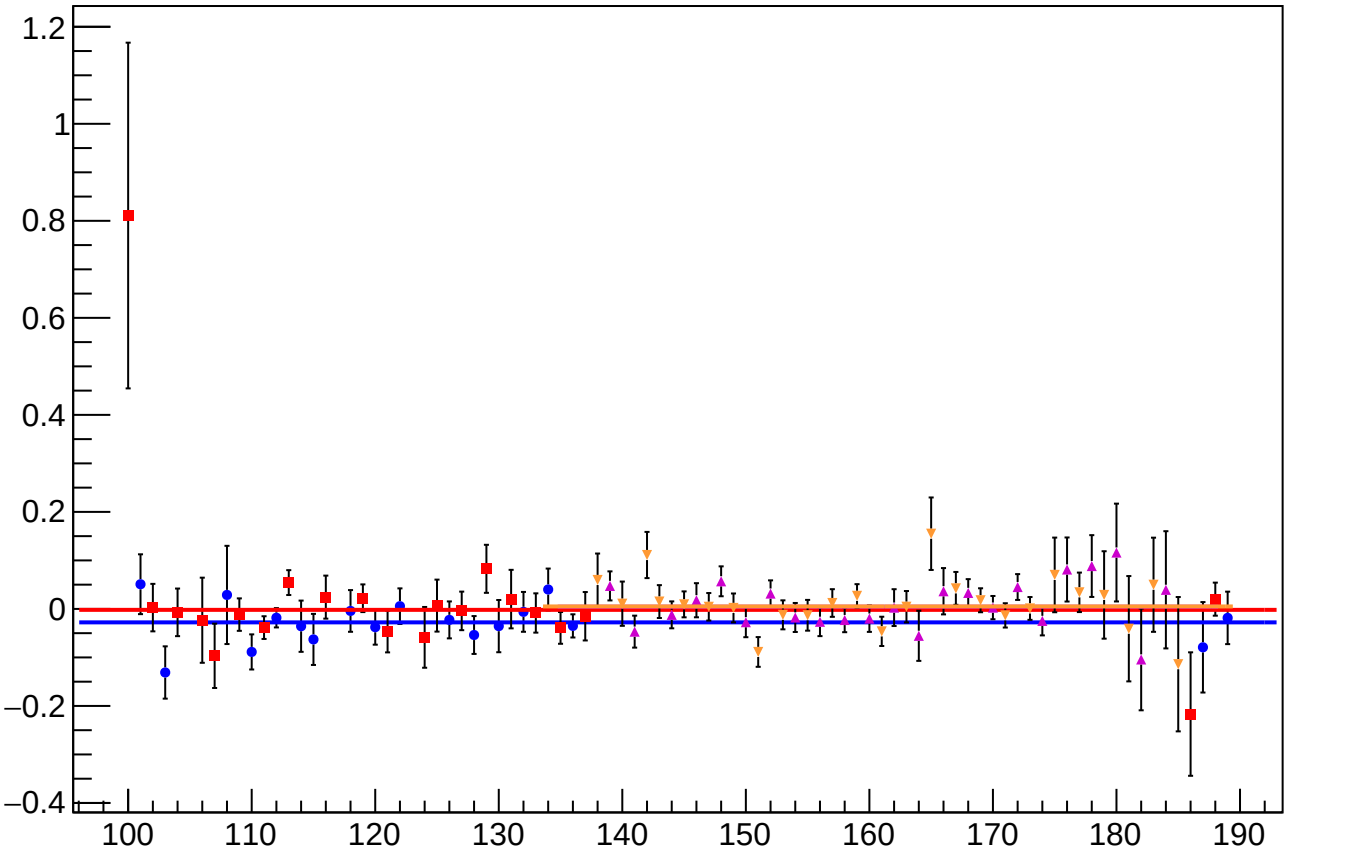
Right Out: 0.001+/-0.000 χ^2/NDF: 4591552.2/20

Left In: 0.001+/-0.000 χ^2/NDF:7822849.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 11188789.3/42

All: 0.001+/-0.000 χ^2/NDF: 23968492.1/86

- sign 0.001+/-0.000 χ^2/NDF: 12661762.0/43



Right In: -0.028+/-0.009 χ^2/NDF: 14.0/17

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

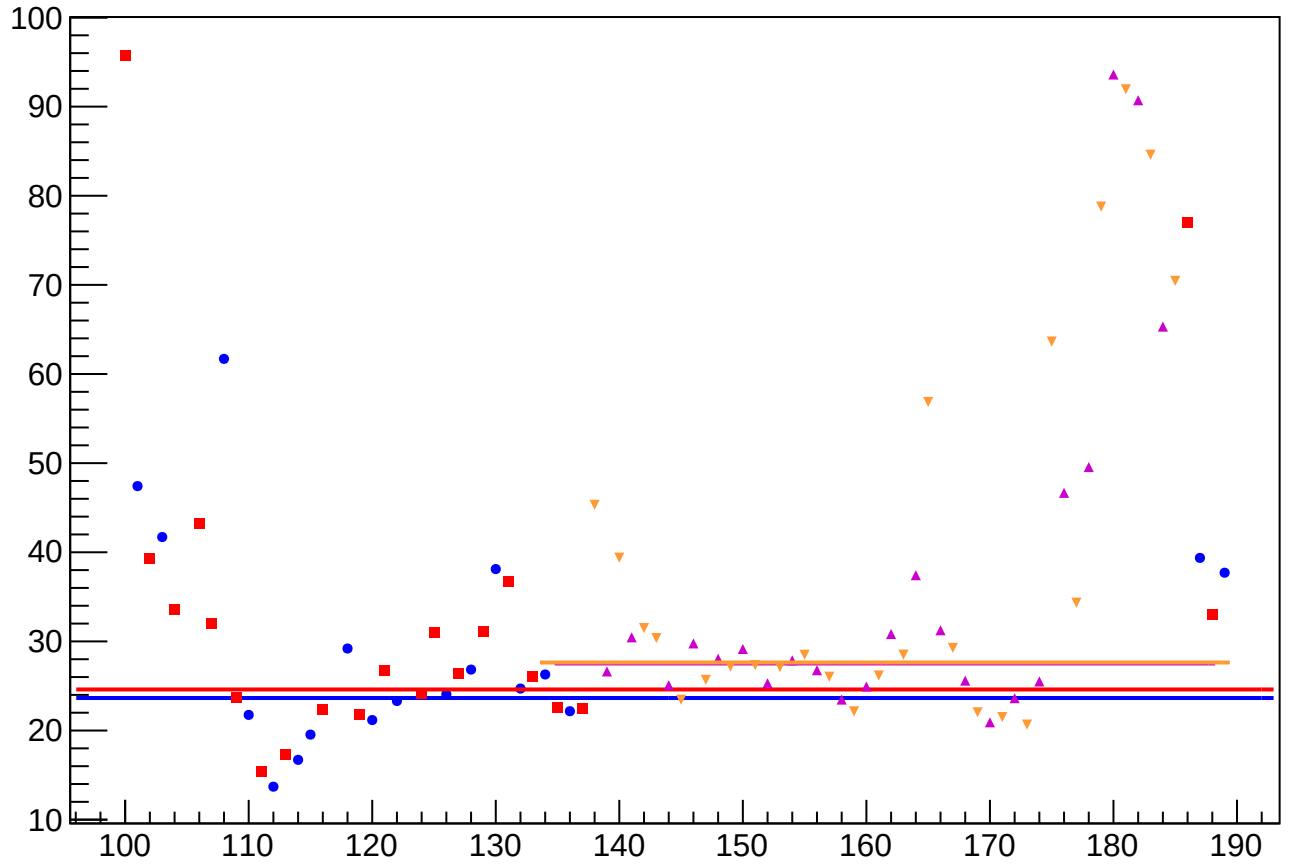
Right Out: -0.002+/-0.009 χ^2/NDF: 25.4/20

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.007+/-0.005 χ^2/NDF: 50.6/42

All: -0.002+/-0.004 χ^2/NDF: 102.7/86

- sign 0.002+/-0.006 χ^2/NDF: 50.8/43



Right In: 23.649+/-0.007 χ^2/NDF: 1764189.8/17

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

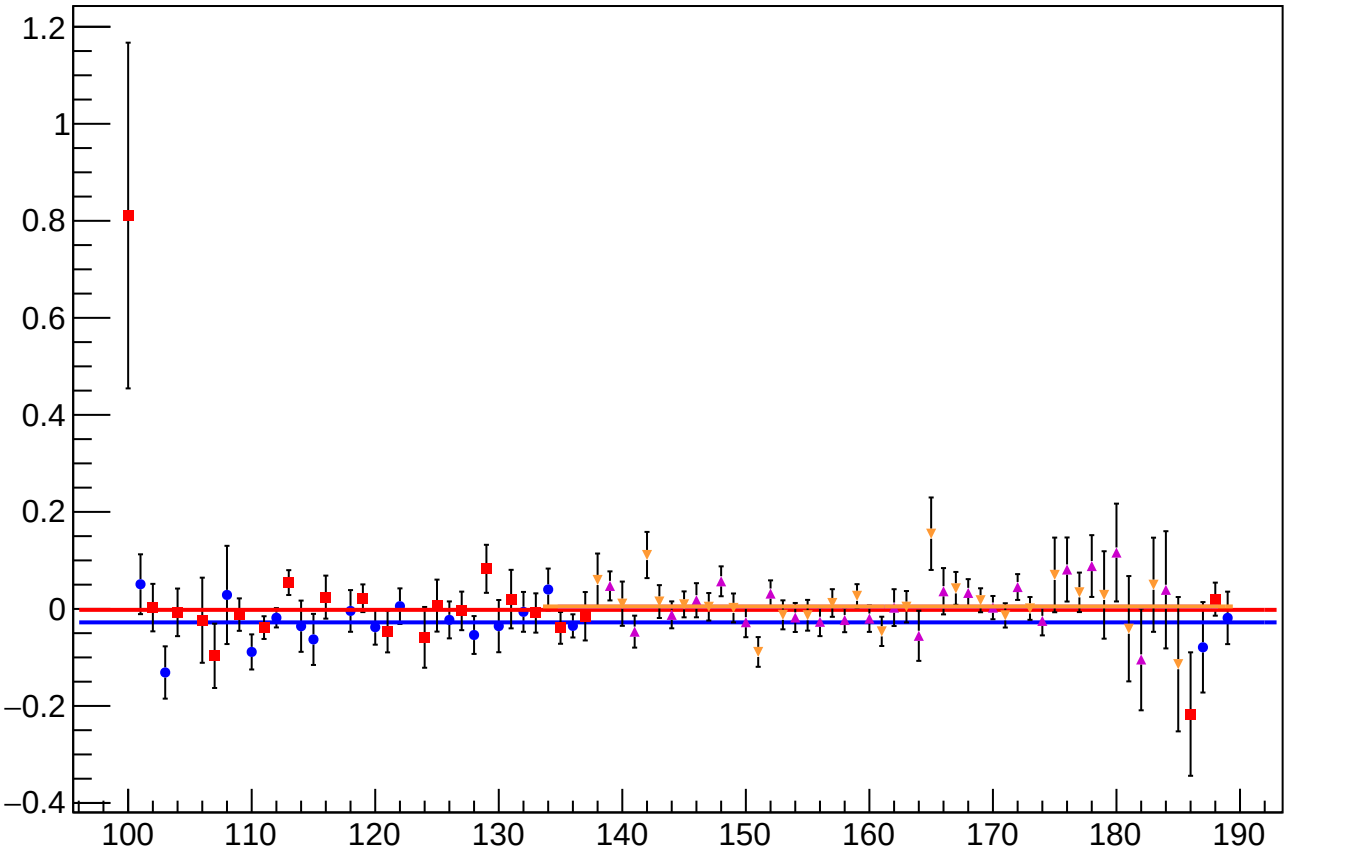
Right Out: 24.609+/-0.006 χ^2/NDF: 1569163.4/20

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 26.216+/-0.004 χ^2/NDF: 5979441.1/42

All: 26.318+/-0.003 χ^2/NDF: 10316569.1/86

- sign 26.420+/-0.004 χ^2/NDF: 4335748.0/43



Right In: -0.028+/-0.009 χ^2/NDF: 14.0/17

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

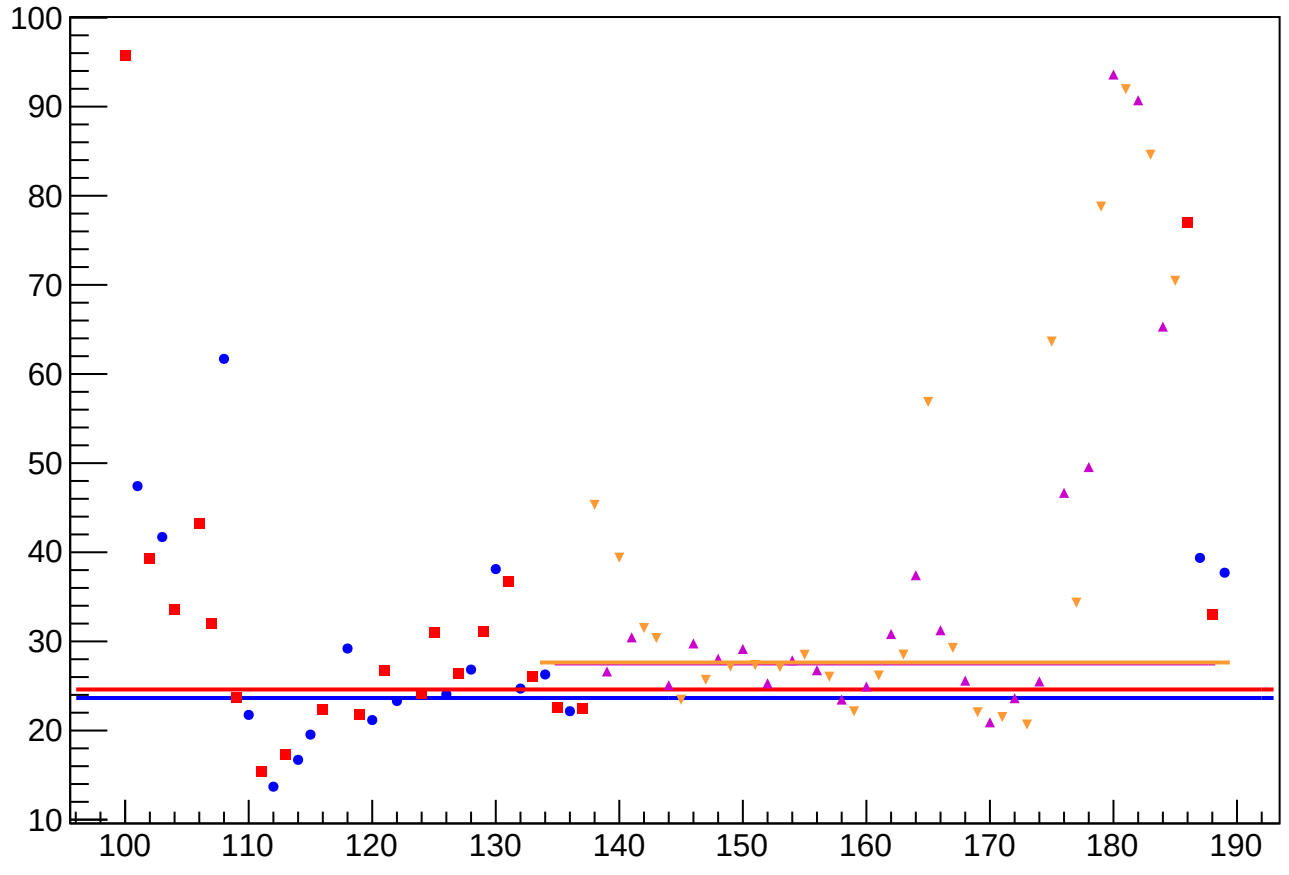
Right Out: -0.002+/-0.009 χ^2/NDF: 25.4/20

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.007+/-0.005 χ^2/NDF: 50.6/42

All: -0.002+/-0.004 χ^2/NDF: 102.7/86

- sign 0.002+/-0.006 χ^2/NDF: 50.8/43



Right In: 23.649+/-0.007 χ^2/NDF: 1764189.8/17

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

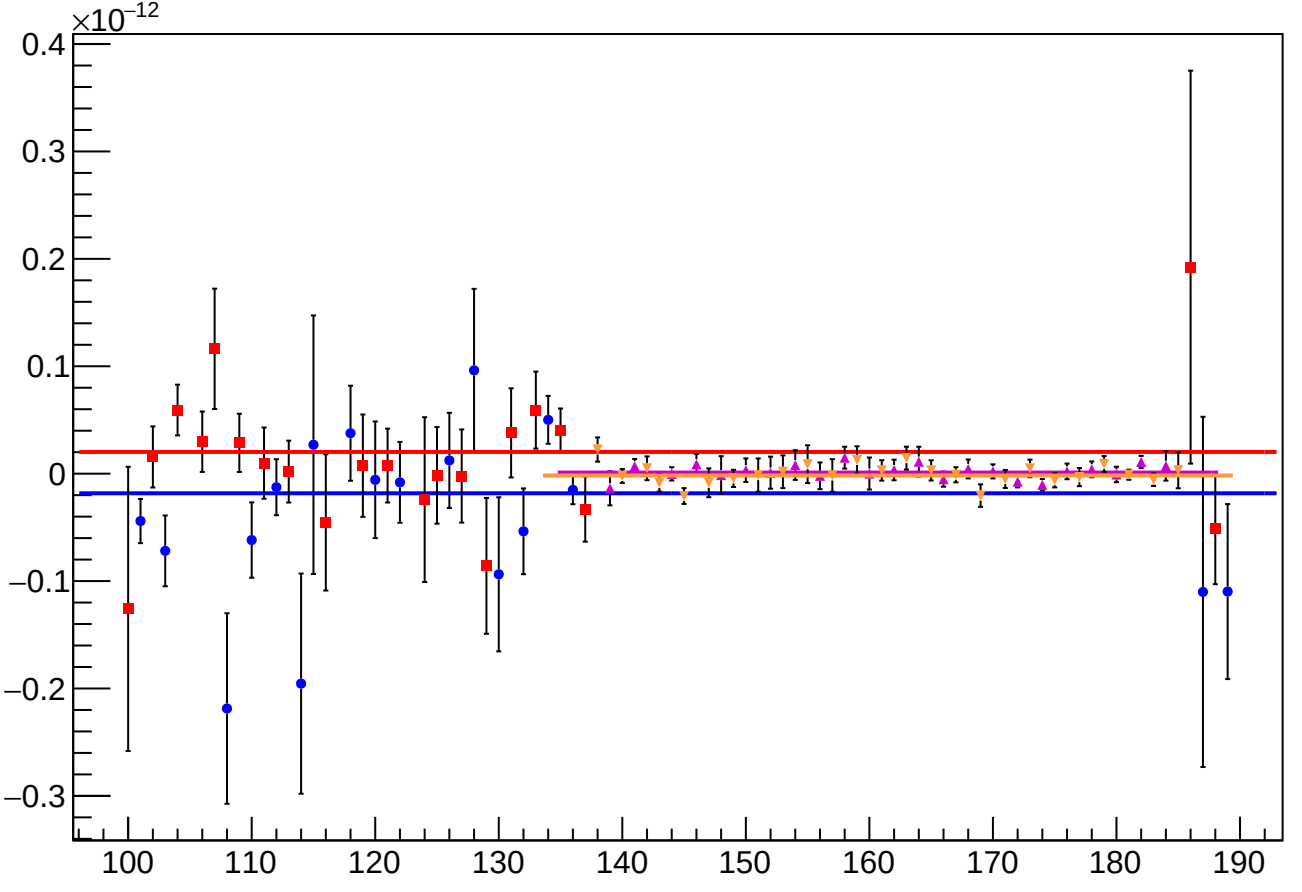
Right Out: 24.609+/-0.006 χ^2/NDF: 1569163.4/20

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 26.216+/-0.004 χ^2/NDF: 5979441.1/42

All: 26.318+/-0.003 χ^2/NDF: 10316569.1/86

- sign 26.420+/-0.004 χ^2/NDF: 4335748.0/43



Right In: -0.000+/-0.000 χ^2/NDF: 31.5/17

Left Out: -0.000+/-0.000 χ^2/NDF:24.4/24

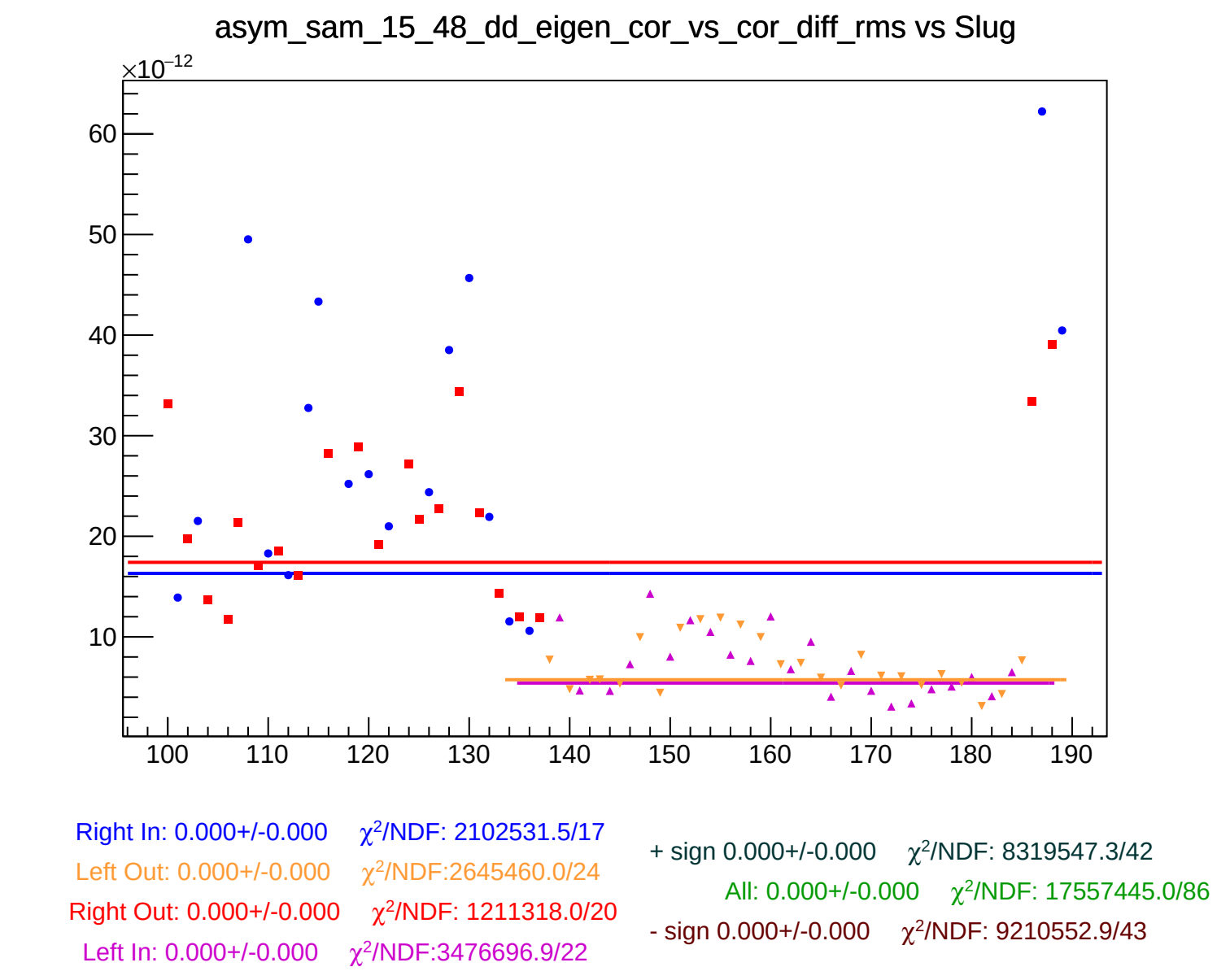
Right Out: 0.000+/-0.000 χ^2/NDF: 20.8/20

Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

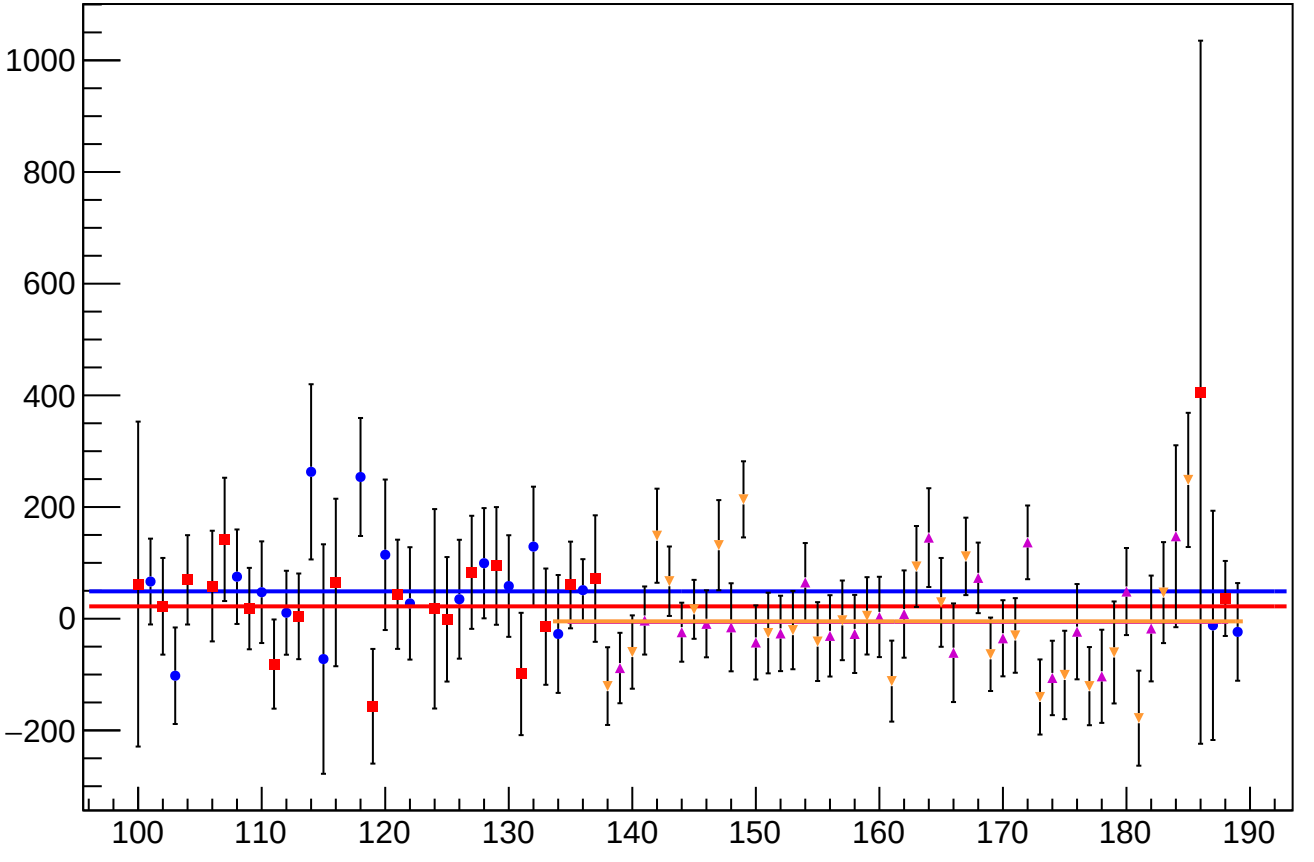
+ sign -0.000+/-0.000 χ^2/NDF: 60.3/42

All: -0.000+/-0.000 χ^2/NDF: 106.9/86

- sign 0.000+/-0.000 χ^2/NDF: 43.2/43


asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2102531.5/17
Left Out: 0.000+/-0.000 χ²/NDF:2645460.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 1211318.0/20
Left In: 0.000+/-0.000 χ²/NDF:3476696.9/22
+ sign 0.000+/-0.000 χ²/NDF: 8319547.3/42
All: 0.000+/-0.000 χ²/NDF: 17557445.0/86
- sign 0.000+/-0.000 χ²/NDF: 9210552.9/43

reg_asym_sam_37_48_dd_mean vs Slug



Right In: 49.003+/-22.273 χ^2/NDF: 11.9/17

Left Out: -4.742+/-14.432 χ^2/NDF:47.4/24

Right Out: 22.110+/-21.384 χ^2/NDF: 9.7/20

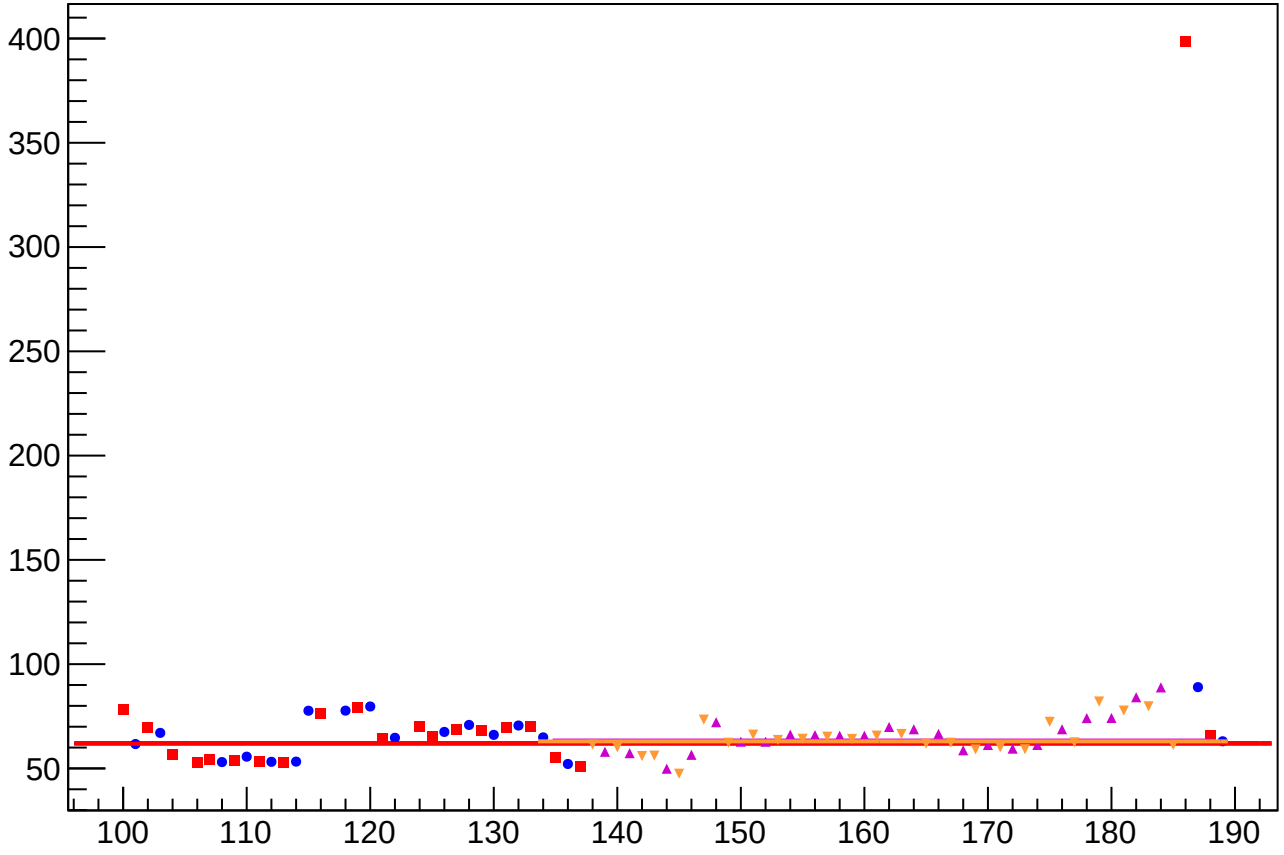
Left In: -5.776+/-14.931 χ^2/NDF:18.3/22

+ sign 11.150+/-12.111 χ^2/NDF: 63.3/42

All: 7.298+/-8.610 χ^2/NDF: 92.6/86

- sign 3.363+/-12.242 χ^2/NDF: 29.1/43

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 62.082+/-0.016 χ^2/NDF: 302293.8/17

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

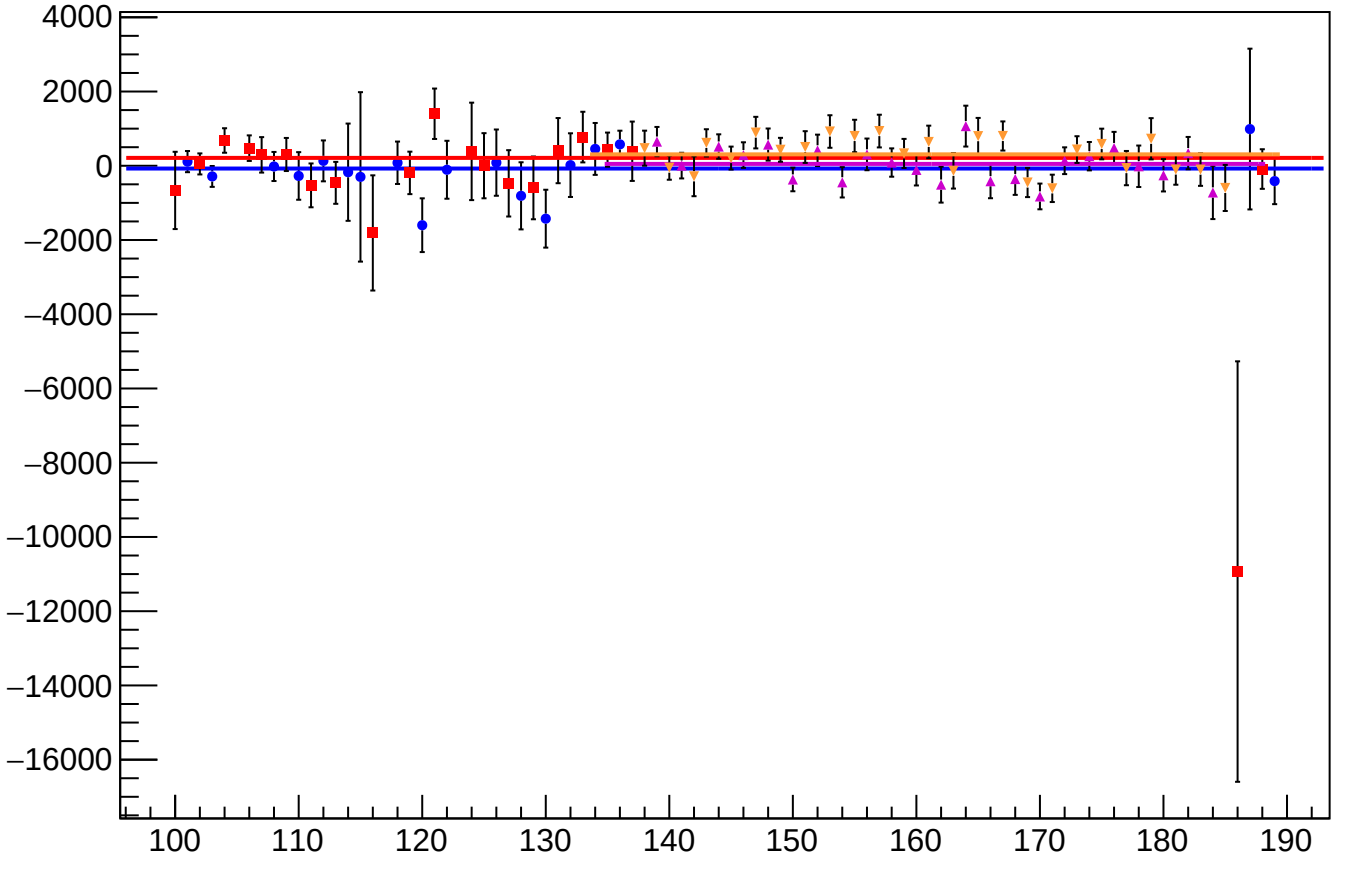
Right Out: 61.846+/-0.015 χ^2/NDF: 866080.4/20

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

\+ sign 62.712+/-0.009 χ^2/NDF: 831426.0/42

All: 62.789+/-0.006 χ^2/NDF: 2201383.4/86

\- sign 62.867+/-0.009 χ^2/NDF: 1369793.7/43



Right In: -74.749+/-126.722 χ^2/NDF: 13.7/17

Left Out: 307.183+/-82.361 χ^2/NDF:30.6/24

Right Out: 212.065+/-119.636 χ^2/NDF: 18.7/20

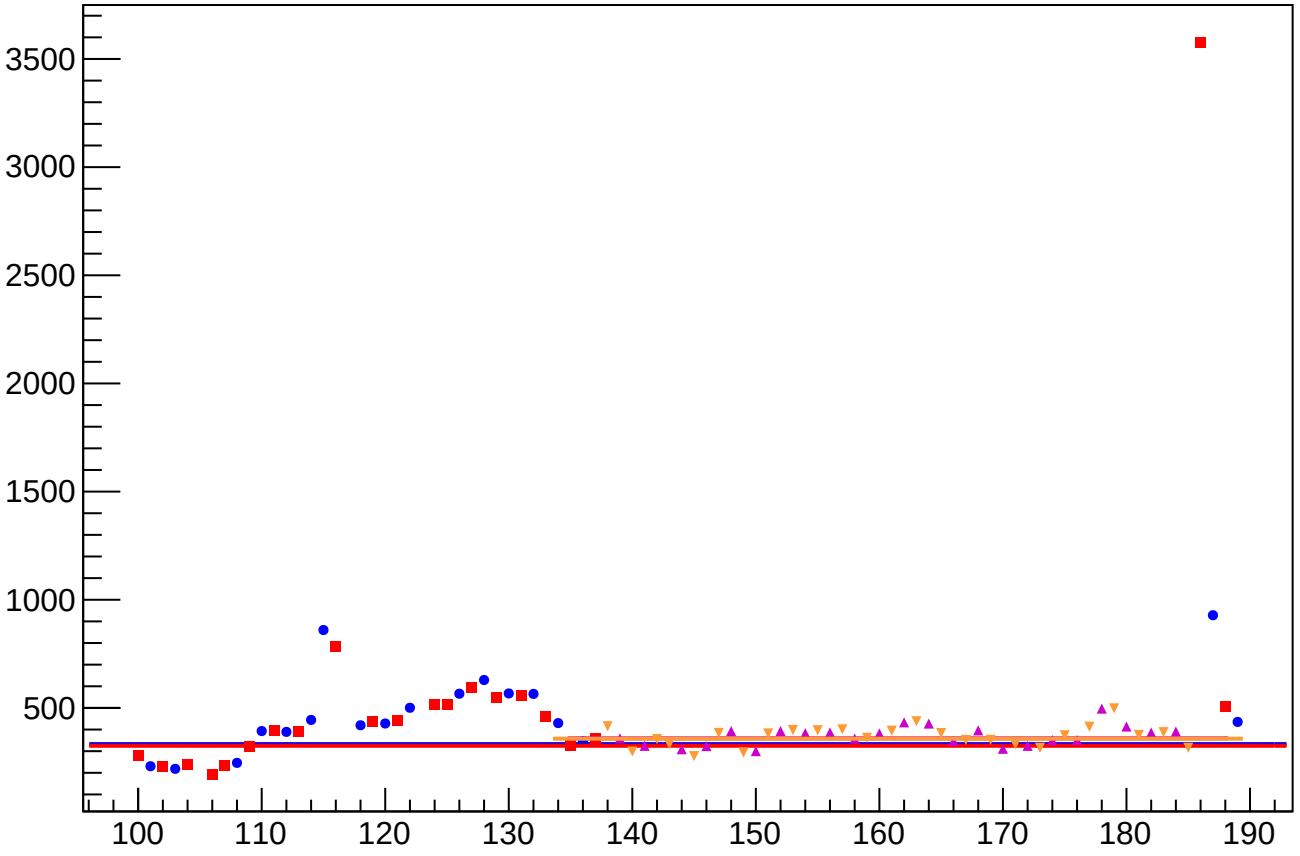
Left In: 50.030+/-84.838 χ^2/NDF:27.3/22

+ sign 193.760+/-69.057 χ^2/NDF: 50.8/42

All: 149.099+/-48.883 χ^2/NDF: 98.8/86

- sign 104.248+/-69.204 χ^2/NDF: 47.2/43

asym_sam_37_48_dd_reg_correction_rms vs Slug



Right In: 332.750+/-0.090 χ^2/NDF: 1944990.5/17

Left Out: 357.731+/-0.058 χ^2/NDF:683730.4/24

Right Out: 324.939+/-0.085 χ^2/NDF: 2700702.0/20

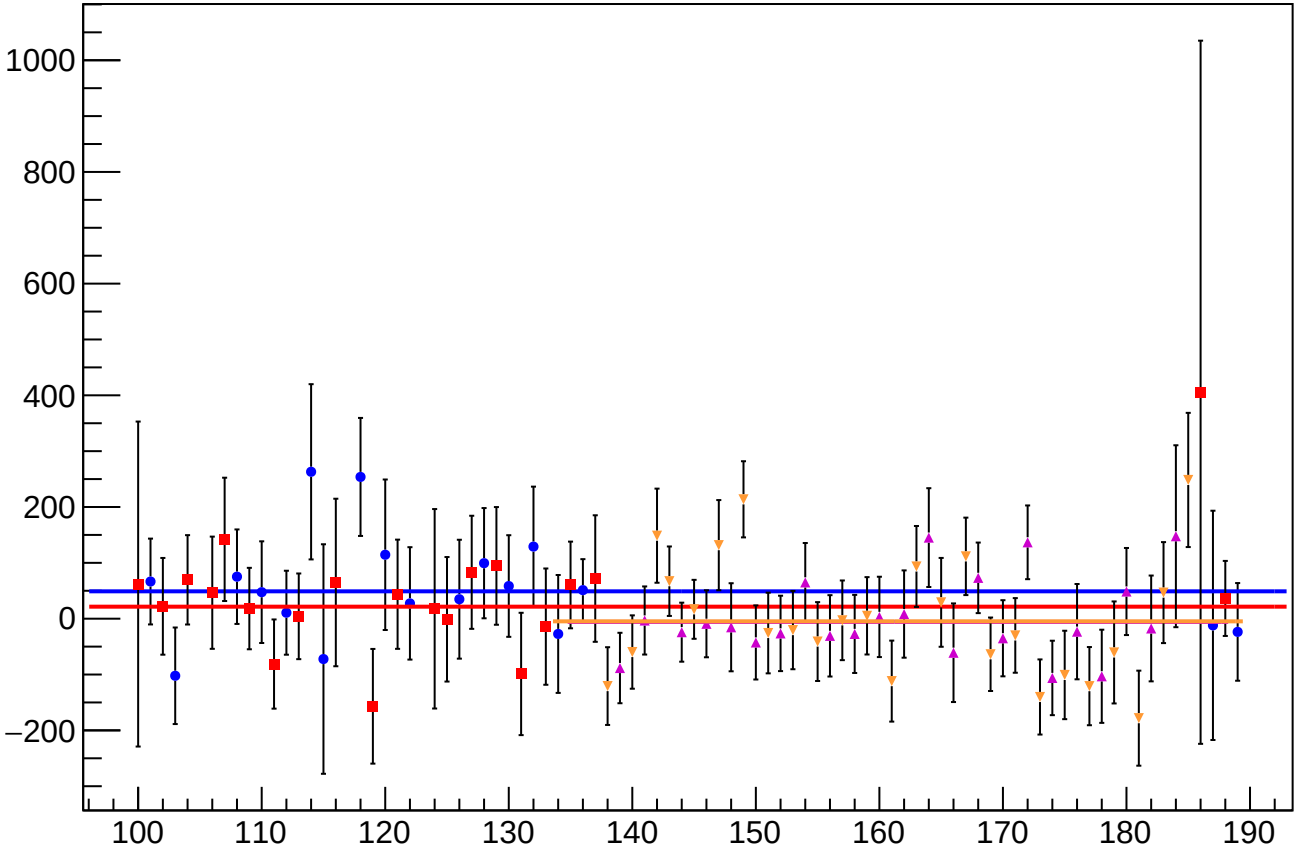
Left In: 359.350+/-0.060 χ^2/NDF:519759.9/22

+ sign 350.313+/-0.049 χ^2/NDF: 2683362.5/42

All: 349.077+/-0.035 χ^2/NDF: 6015205.2/86

- sign 347.836+/-0.049 χ^2/NDF: 3330559.0/43

cor_asym_sam_37_48_dd_mean vs Slug



Right In: 48.997+/-22.273 χ^2/NDF: 11.9/17

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: 21.514+/-21.398 χ^2/NDF: 9.6/20

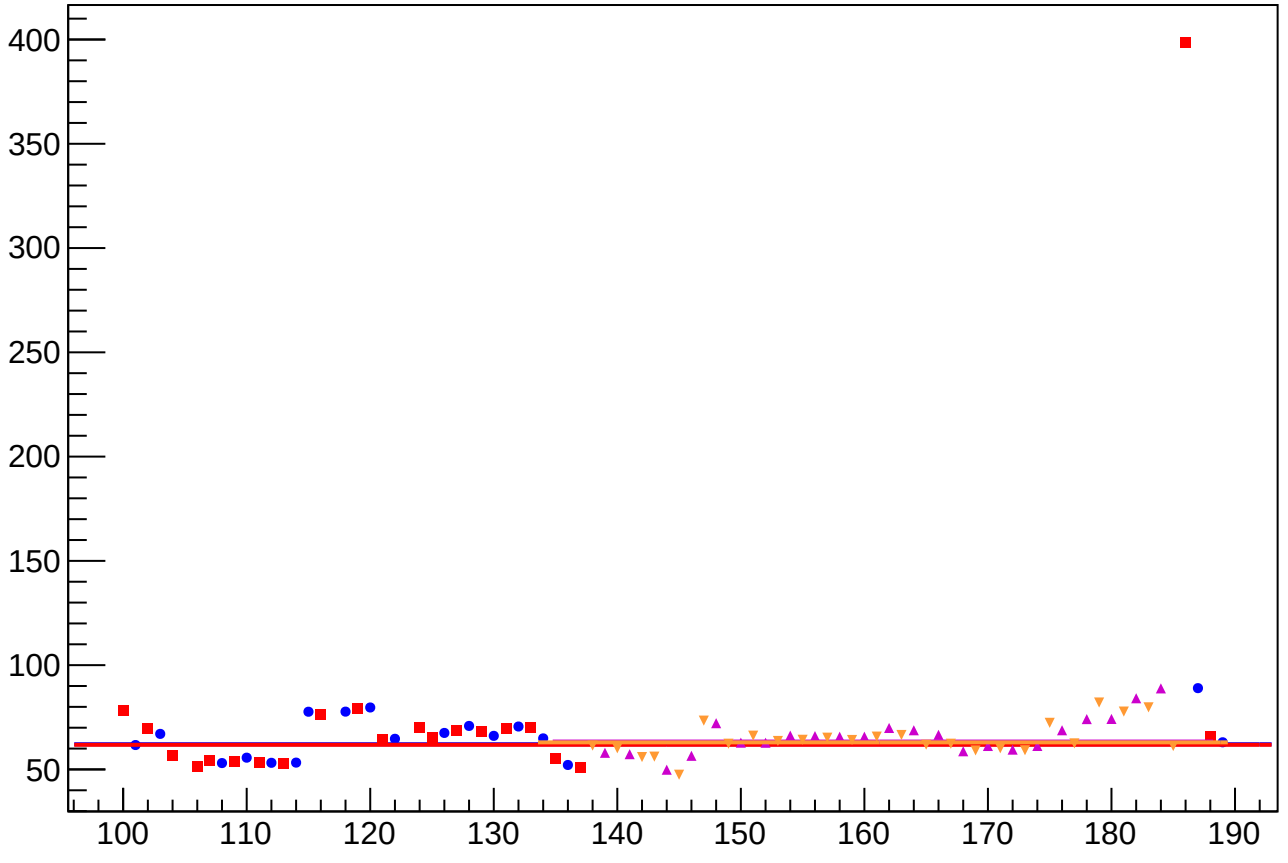
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign 11.144+/-12.111 χ^2/NDF: 63.3/42

All: 7.196+/-8.611 χ^2/NDF: 92.5/86

- sign 3.161+/-12.245 χ^2/NDF: 29.0/43

cor_asym_sam_37_48_dd_rms vs Slug



Right In: 62.082+/-0.016 χ^2/NDF: 302294.0/17

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

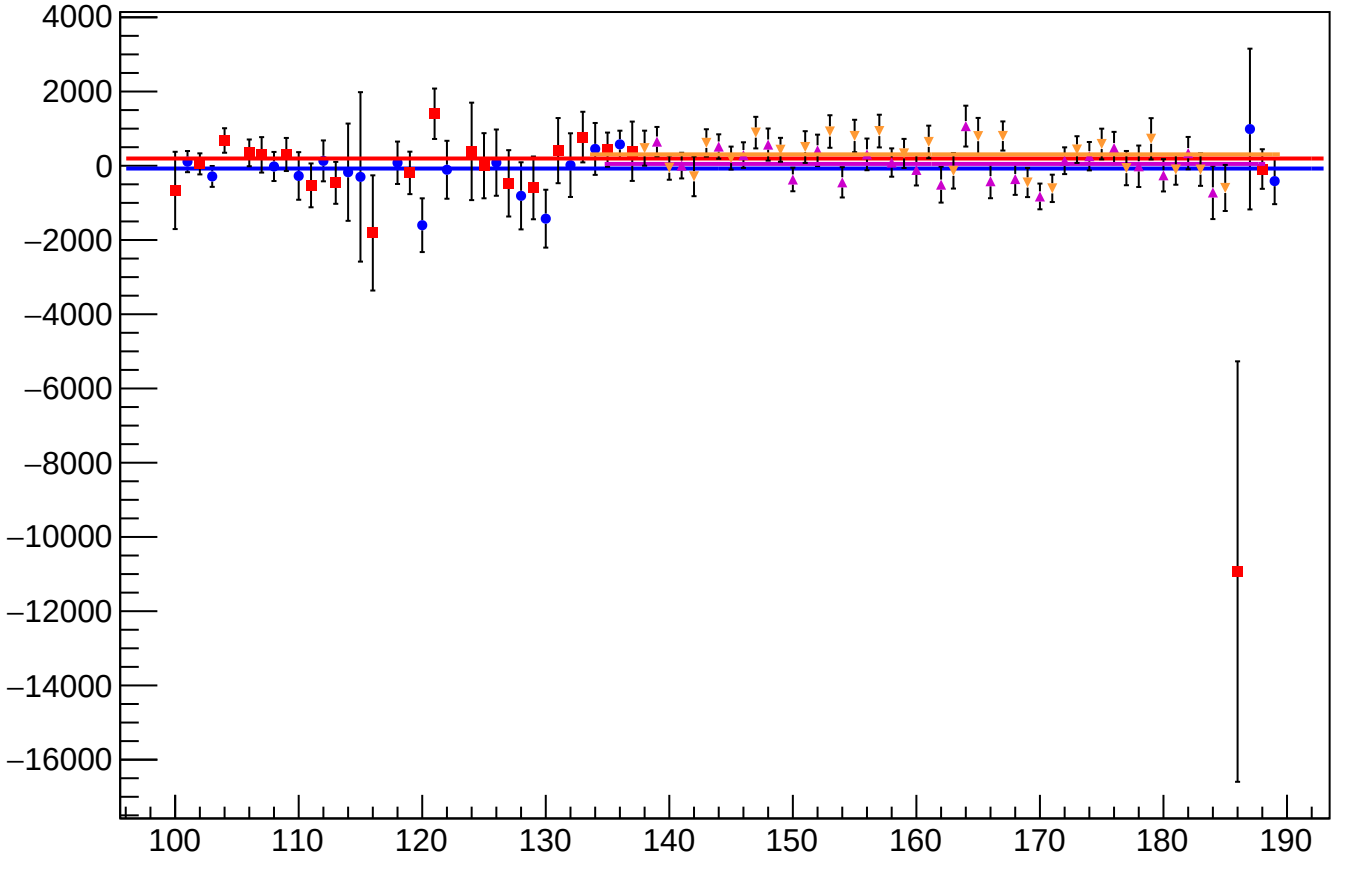
Right Out: 61.811+/-0.015 χ^2/NDF: 869754.8/20

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 62.712+/-0.009 χ^2/NDF: 831426.2/42

All: 62.783+/-0.006 χ^2/NDF: 2205349.8/86

- sign 62.856+/-0.009 χ^2/NDF: 1373782.6/43



Right In: -74.736+/-126.723 χ^2/NDF: 13.7/17

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: 195.427+/-120.284 χ^2/NDF: 18.3/20

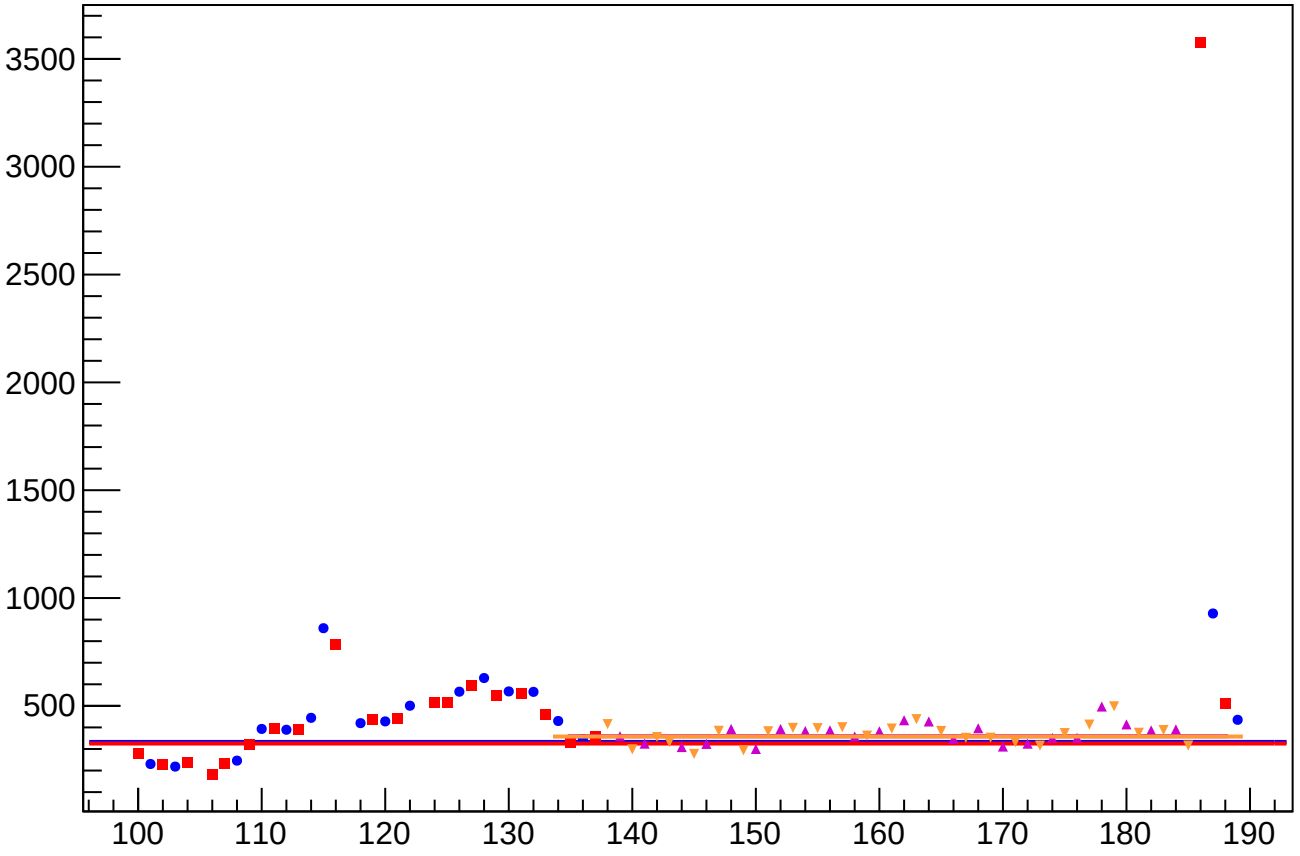
Left In: 50.029+/-84.838 χ^2/NDF:27.3/22

+ sign 193.760+/-69.057 χ^2/NDF: 50.8/42

All: 146.233+/-48.927 χ^2/NDF: 98.2/86

- sign 98.331+/-69.328 χ^2/NDF: 46.5/43

asym_sam_37_48_dd_cor_correction_rms vs Slug



Right In: 332.753+/-0.090 χ^2/NDF: 1944924.5/17

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 325.240+/-0.085 χ^2/NDF: 2718377.0/20

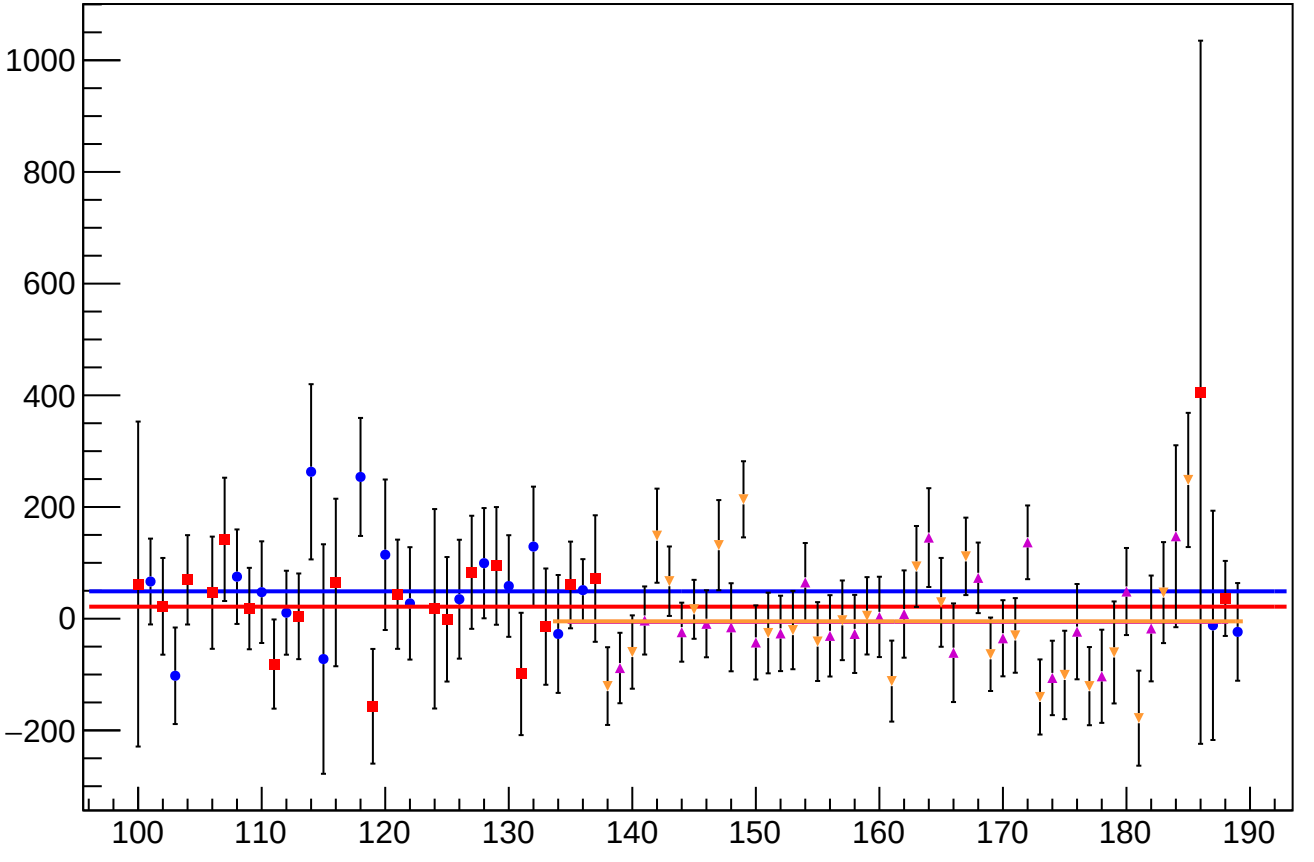
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 350.314+/-0.049 χ^2/NDF: 2683280.2/42

All: 349.171+/-0.035 χ^2/NDF: 6029921.9/86

- sign 348.019+/-0.049 χ^2/NDF: 3345541.4/43

eigen_cor_asym_sam_37_48_dd_mean vs Slug



Right In: 48.997+/-22.273 χ^2/NDF: 11.9/17

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: 21.514+/-21.398 χ^2/NDF: 9.6/20

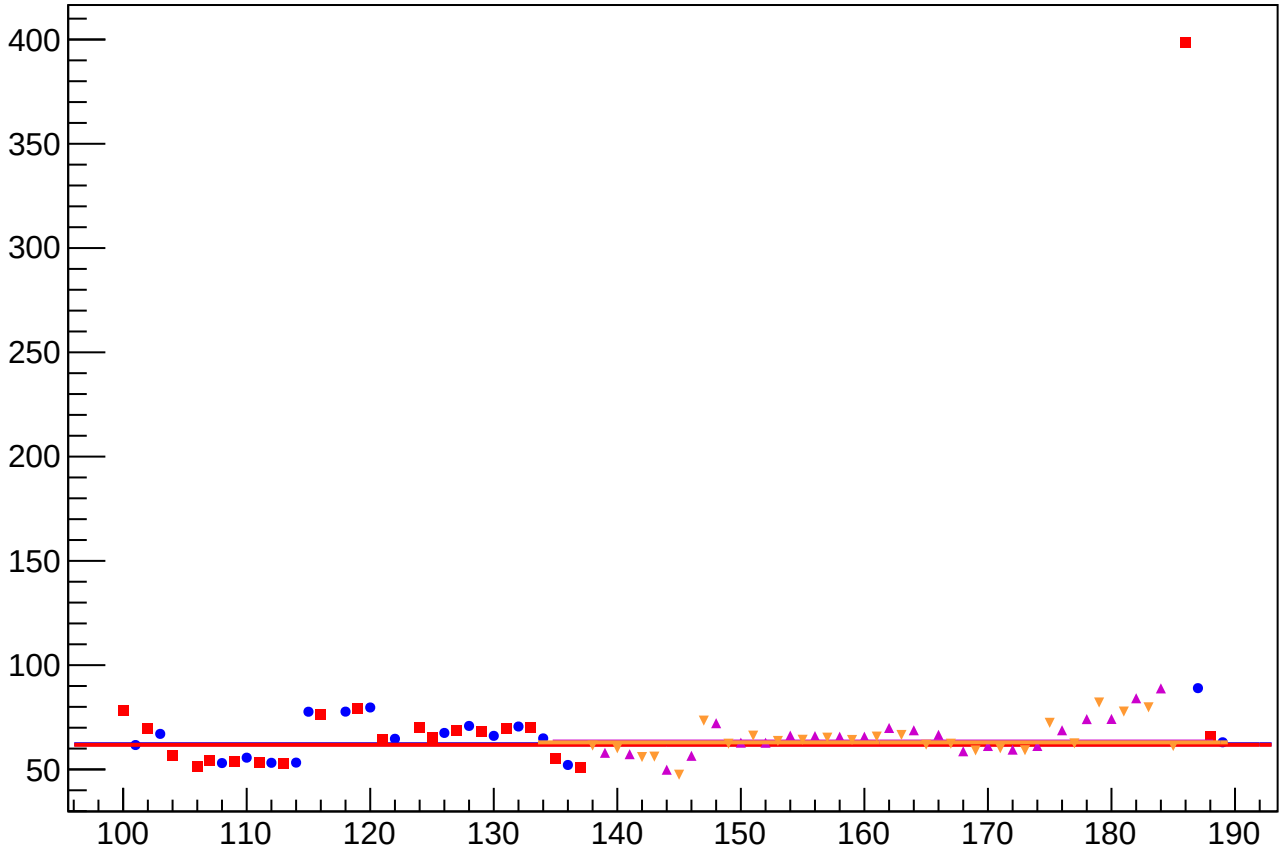
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign 11.144+/-12.111 χ^2/NDF: 63.3/42

All: 7.196+/-8.611 χ^2/NDF: 92.5/86

- sign 3.161+/-12.245 χ^2/NDF: 29.0/43

eigen_cor_asym_sam_37_48_dd_rms vs Slug



Right In: 62.082+/-0.016 χ^2/NDF: 302294.0/17

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

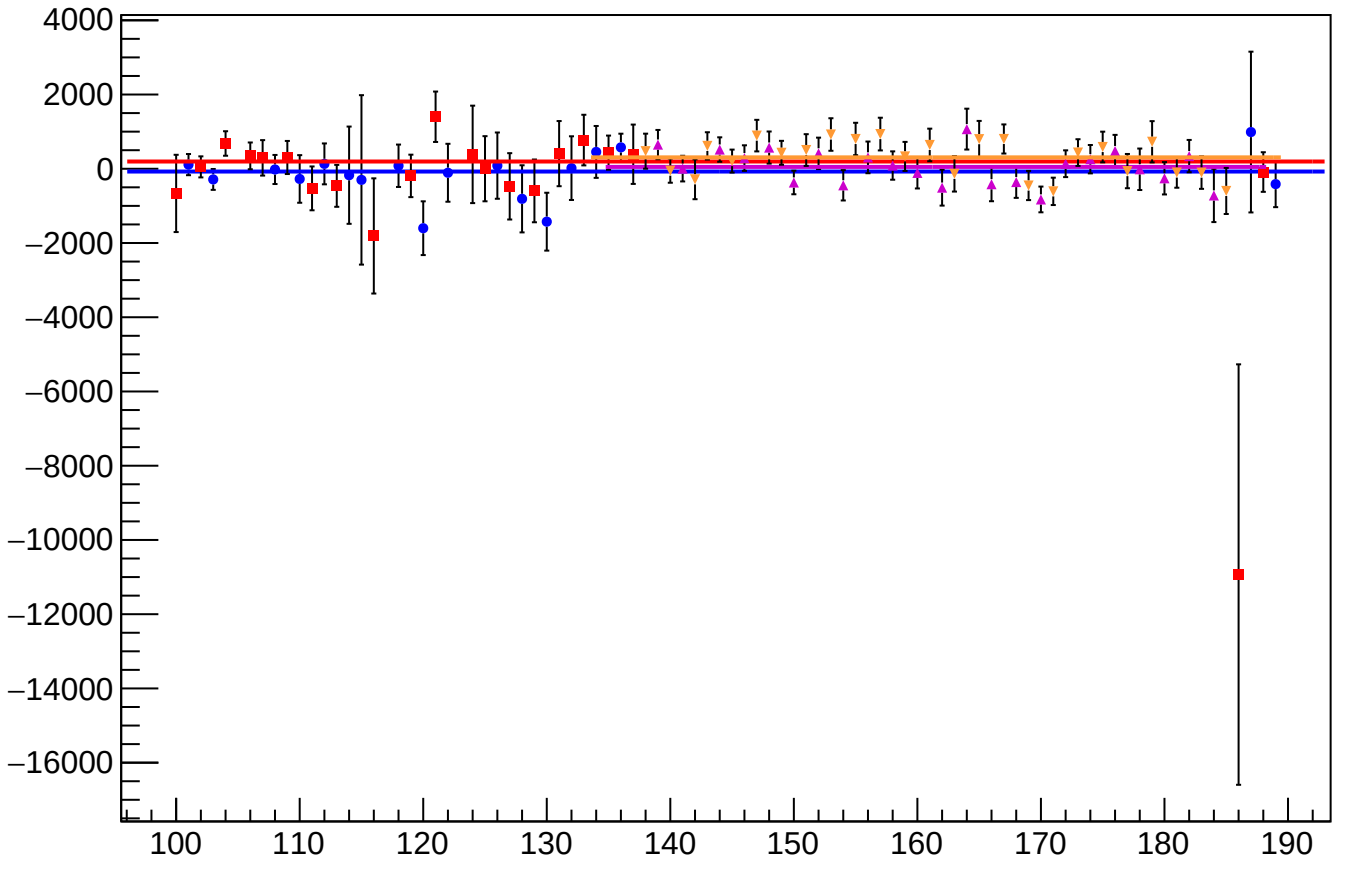
Right Out: 61.811+/-0.015 χ^2/NDF: 869754.8/20

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 62.712+/-0.009 χ^2/NDF: 831426.2/42

All: 62.783+/-0.006 χ^2/NDF: 2205349.8/86

- sign 62.856+/-0.009 χ^2/NDF: 1373782.6/43



Right In: -74.736+/-126.723 χ^2/NDF: 13.7/17

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

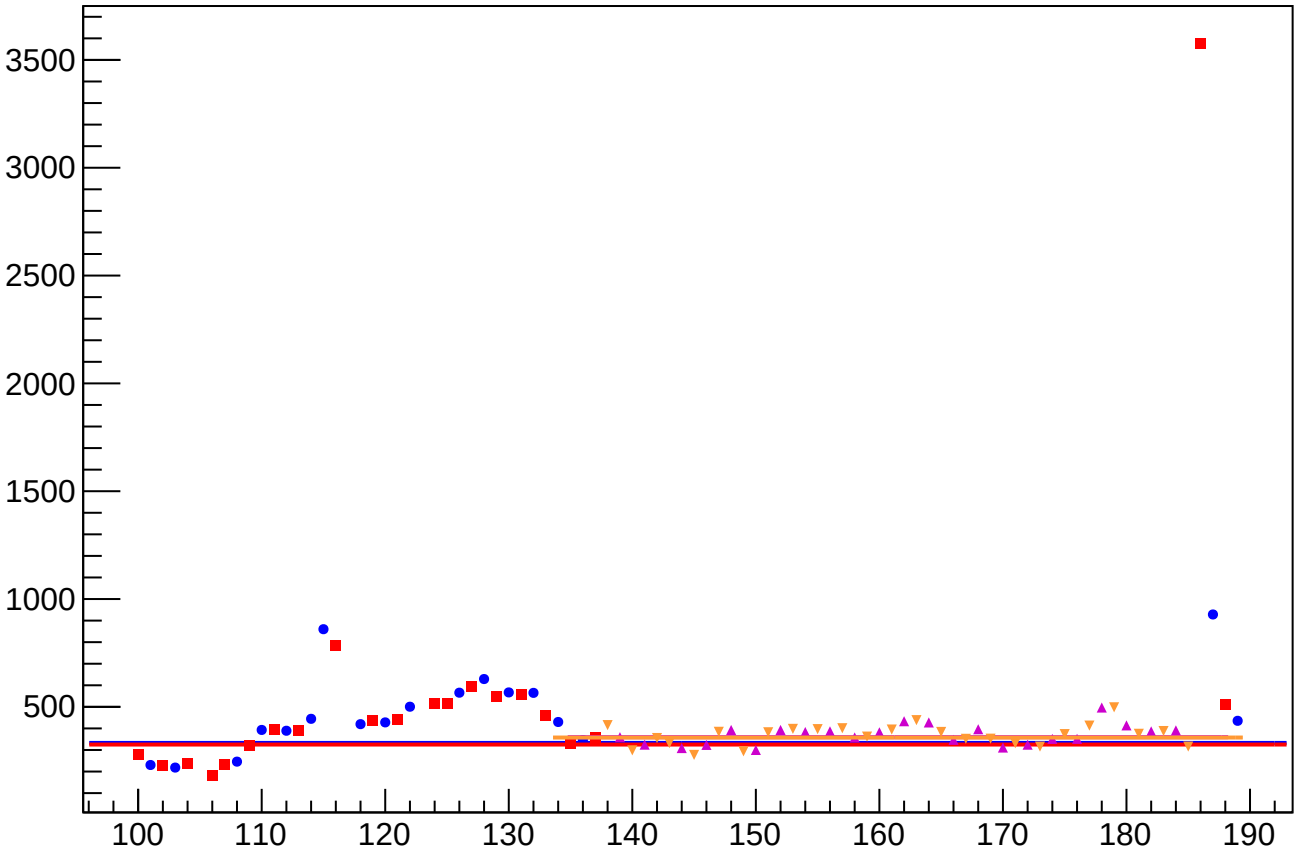
Right Out: 195.427+/-120.284 χ^2/NDF: 18.3/20

Left In: 50.029+/-84.838 χ^2/NDF:27.3/22

+ sign 193.760+/-69.057 χ^2/NDF: 50.8/42

All: 146.233+/-48.927 χ^2/NDF: 98.2/86

- sign 98.331+/-69.328 χ^2/NDF: 46.5/43



Right In: 332.753+/-0.090 χ^2/NDF: 1944924.5/17

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 325.240+/-0.085 χ^2/NDF: 2718377.0/20

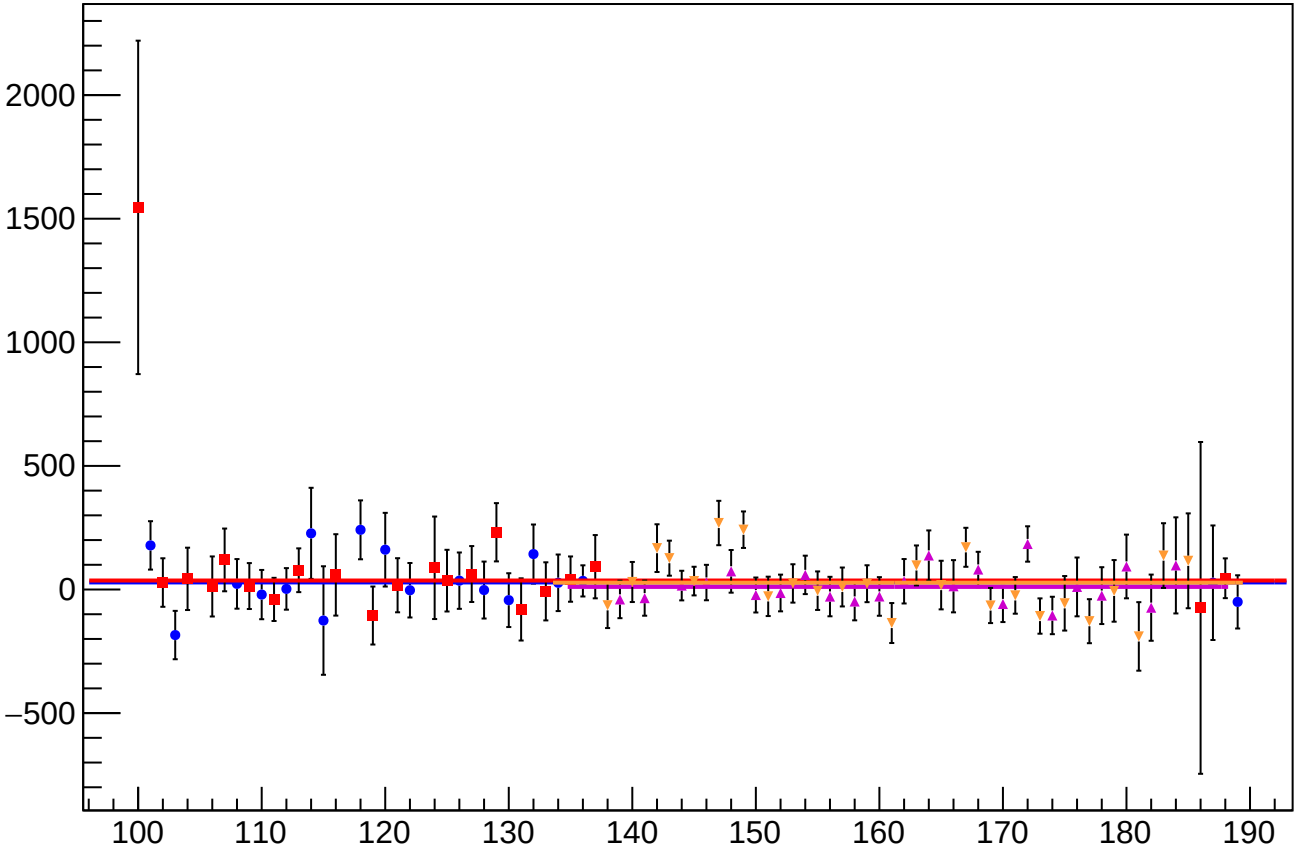
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 350.314+/-0.049 χ^2/NDF: 2683280.2/42

All: 349.171+/-0.035 χ^2/NDF: 6029921.9/86

- sign 348.019+/-0.049 χ^2/NDF: 3345541.4/43

dit_asym_sam_37_48_dd_mean vs Slug



Right In: 28.642+/-25.498 χ^2/NDF: 15.1/17

Left Out: 27.627+/-16.742 χ^2/NDF:42.4/24

Right Out: 36.394+/-25.184 χ^2/NDF: 12.1/20

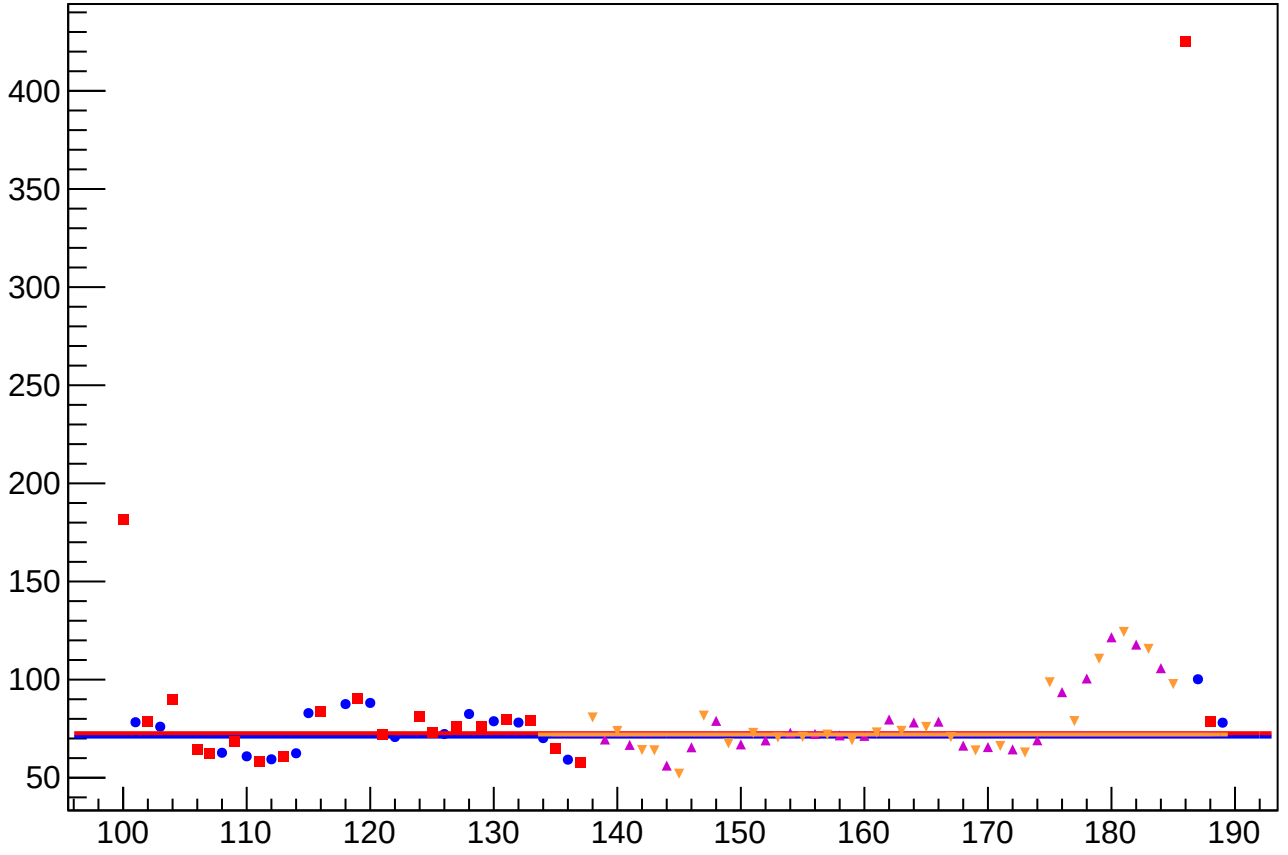
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

+ sign 27.933+/-13.995 χ^2/NDF: 57.5/42

All: 23.422+/-9.974 χ^2/NDF: 86.6/86

- sign 18.767+/-14.217 χ^2/NDF: 28.9/43

dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.974+/-0.018 χ^2/NDF: 311587.4/17

Left Out: 72.041+/-0.012 χ^2/NDF:1269471.8/24

Right Out: 72.698+/-0.018 χ^2/NDF: 892865.1/20

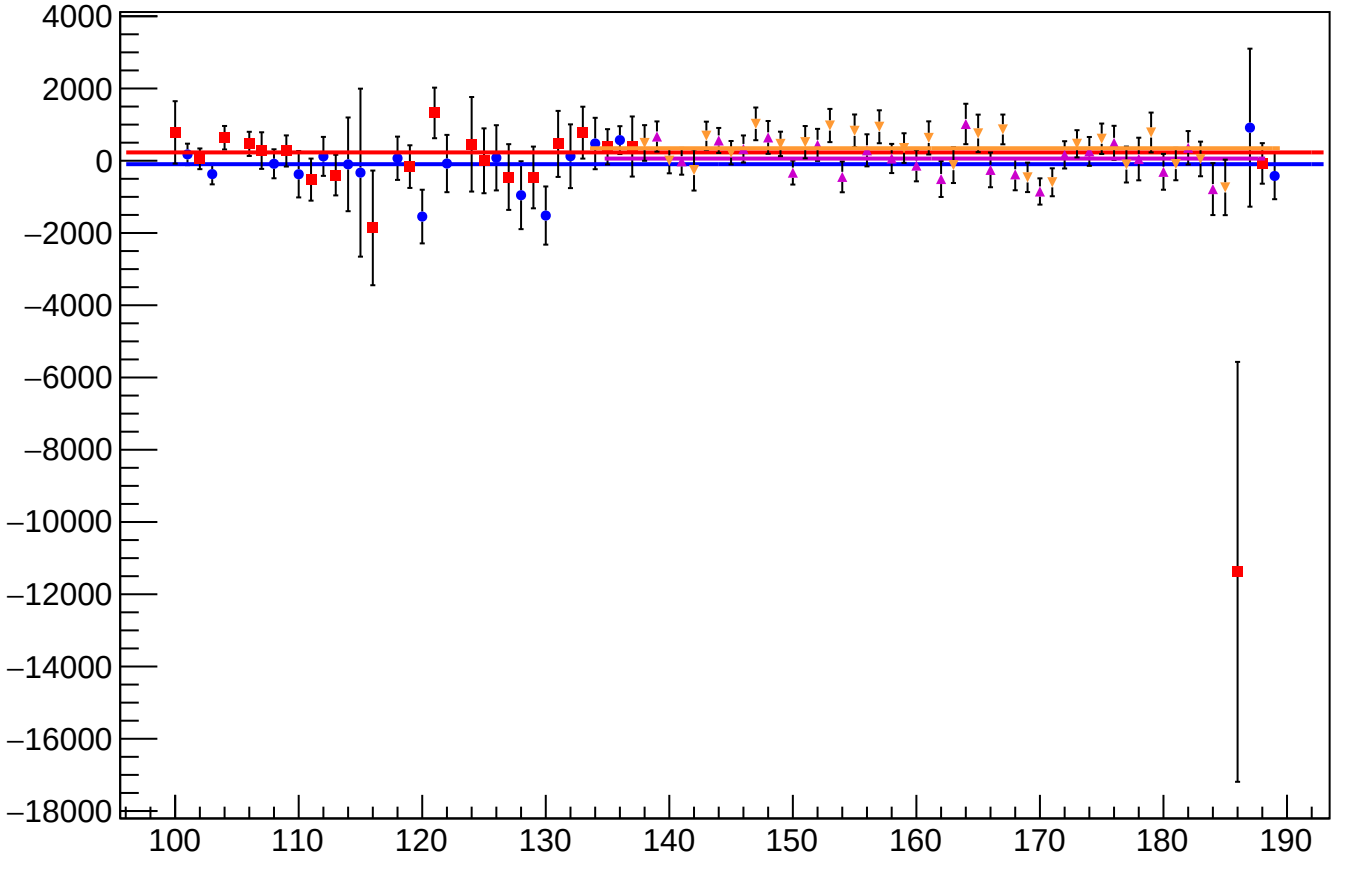
Left In: 72.092+/-0.012 χ^2/NDF:1058857.2/22

+ sign 71.719+/-0.010 χ^2/NDF: 1583506.5/42

All: 71.998+/-0.007 χ^2/NDF: 3537625.9/86

- sign 72.285+/-0.010 χ^2/NDF: 1952510.1/43

asym_sam_37_48_dd_dit_correction_mean vs Slug



Right In: -95.392+/-129.897 χ^2/NDF: 14.2/17

Left Out: 345.973+/-86.822 χ^2/NDF:28.9/24

Right Out: 230.521+/-120.406 χ^2/NDF: 16.8/20

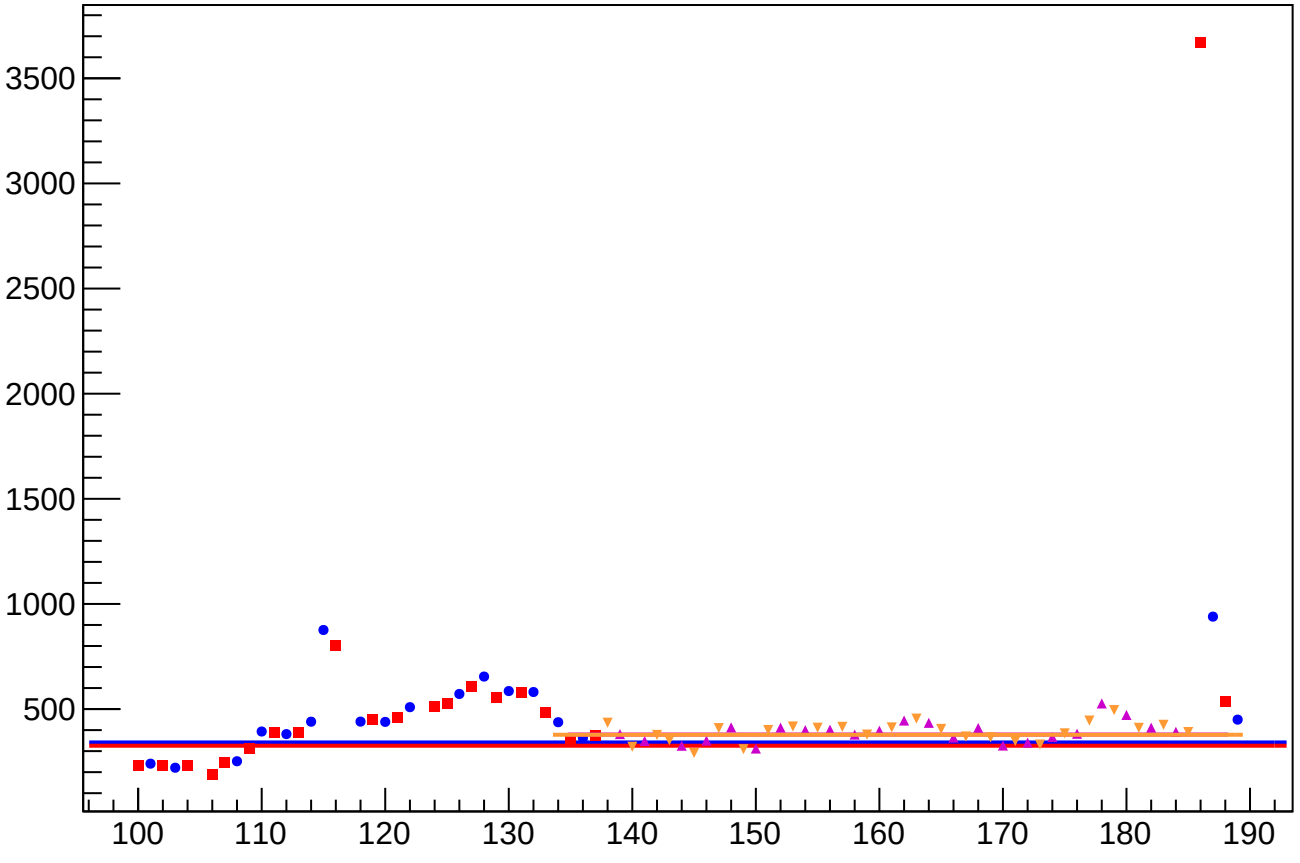
Left In: 59.908+/-89.411 χ^2/NDF:25.8/22

+ sign 209.682+/-72.183 χ^2/NDF: 51.1/42

All: 164.869+/-50.899 χ^2/NDF: 95.8/86

- sign 120.550+/-71.784 χ^2/NDF: 43.9/43

asym_sam_37_48_dd_dit_correction_rms vs Slug



Right In: 341.276+/-0.092 χ^2/NDF: 1942656.6/17

Left Out: 377.797+/-0.061 χ^2/NDF:636714.9/24

Right Out: 325.704+/-0.085 χ^2/NDF: 2870303.4/20

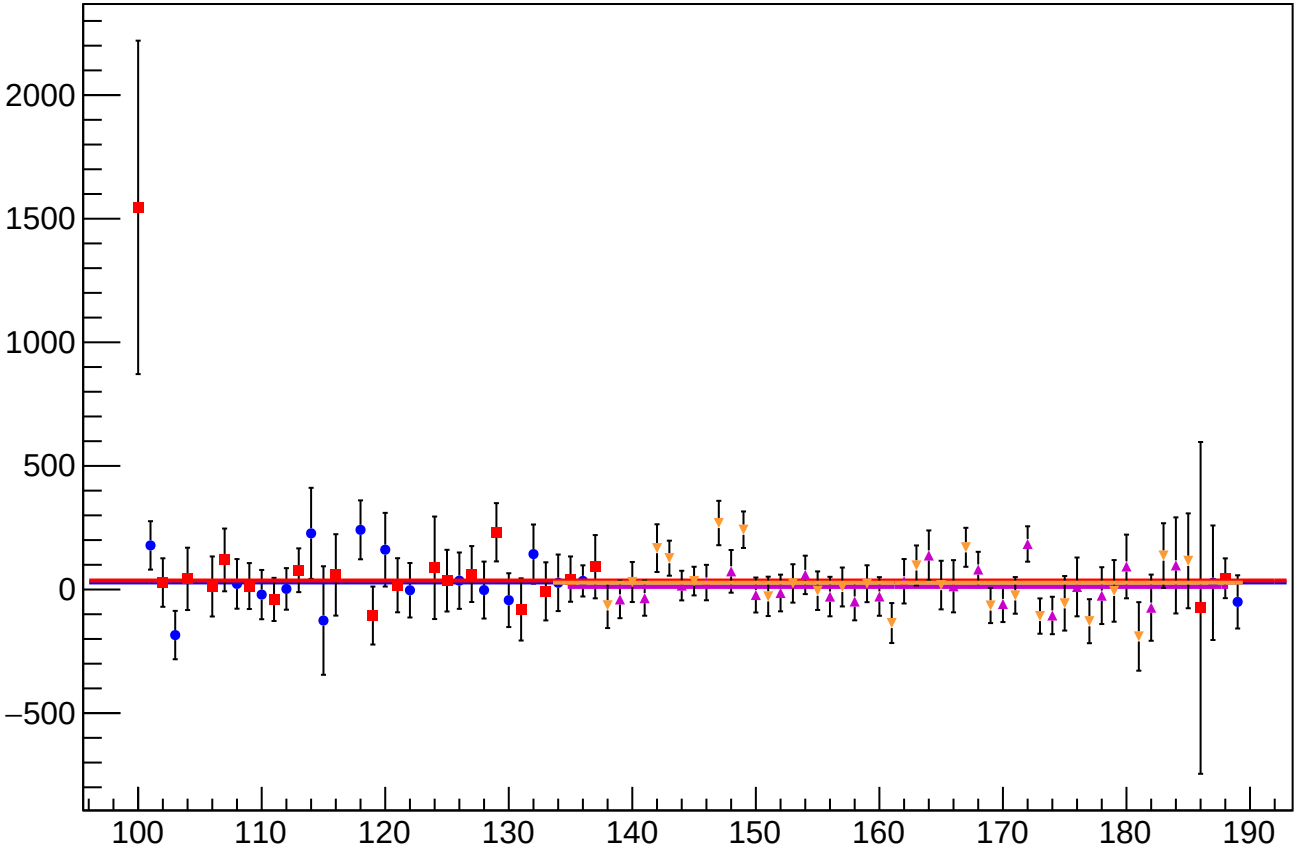
Left In: 378.869+/-0.063 χ^2/NDF:527685.1/22

+ sign 366.519+/-0.051 χ^2/NDF: 2688644.7/42

All: 363.228+/-0.036 χ^2/NDF: 6346245.5/86

- sign 359.972+/-0.051 χ^2/NDF: 3649329.0/43

eigen_dit_asym_sam_37_48_dd_mean vs Slug



Right In: 28.641+/-25.498 χ^2/NDF: 15.1/17

Left Out: 27.626+/-16.742 χ^2/NDF:42.4/24

Right Out: 36.395+/-25.184 χ^2/NDF: 12.1/20

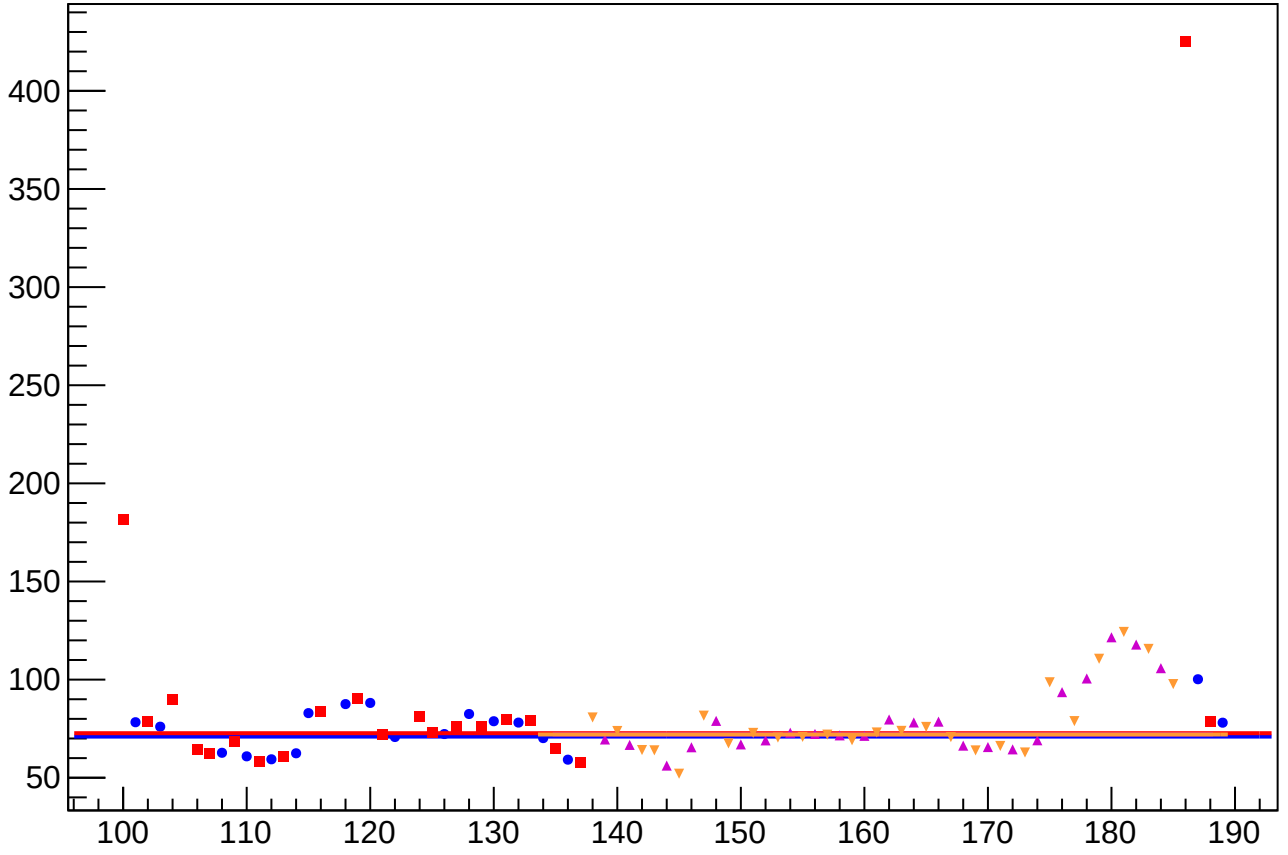
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

+ sign 27.932+/-13.995 χ^2/NDF: 57.5/42

All: 23.422+/-9.974 χ^2/NDF: 86.6/86

- sign 18.767+/-14.217 χ^2/NDF: 28.9/43

eigen_dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.974+/-0.018 χ^2/NDF: 311588.3/17

Left Out: 72.041+/-0.012 χ^2/NDF:1269479.1/24

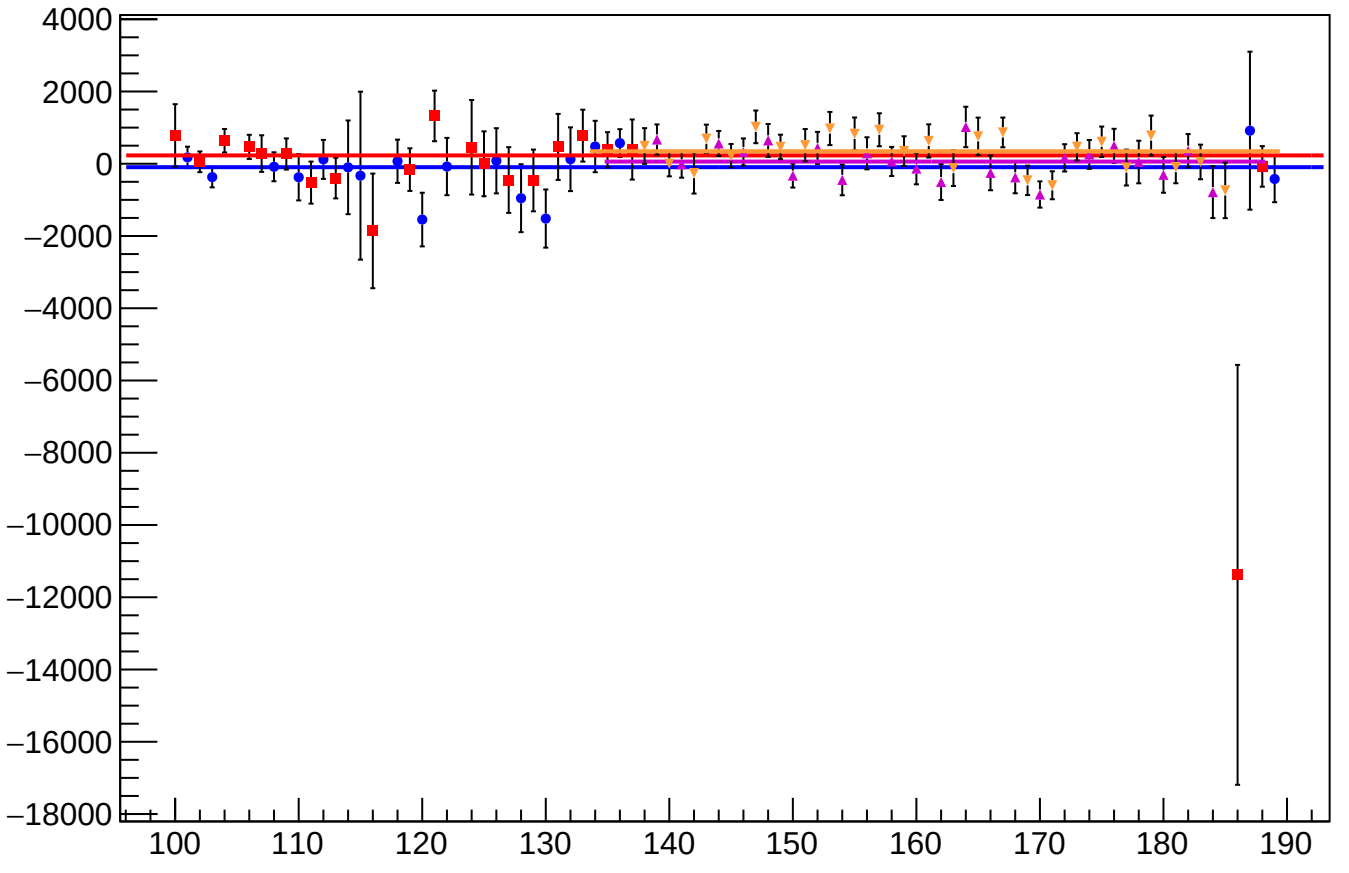
Right Out: 72.698+/-0.018 χ^2/NDF: 892866.5/20

Left In: 72.092+/-0.012 χ^2/NDF:1058847.4/22

+ sign 71.719+/-0.010 χ^2/NDF: 1583514.1/42

All: 71.998+/-0.007 χ^2/NDF: 3537625.3/86

- sign 72.285+/-0.010 χ^2/NDF: 1952502.0/43



Right In: -95.393+/-129.897 χ^2/NDF: 14.2/17

Left Out: 345.972+/-86.822 χ^2/NDF:28.9/24

Right Out: 230.521+/-120.406 χ^2/NDF: 16.8/20

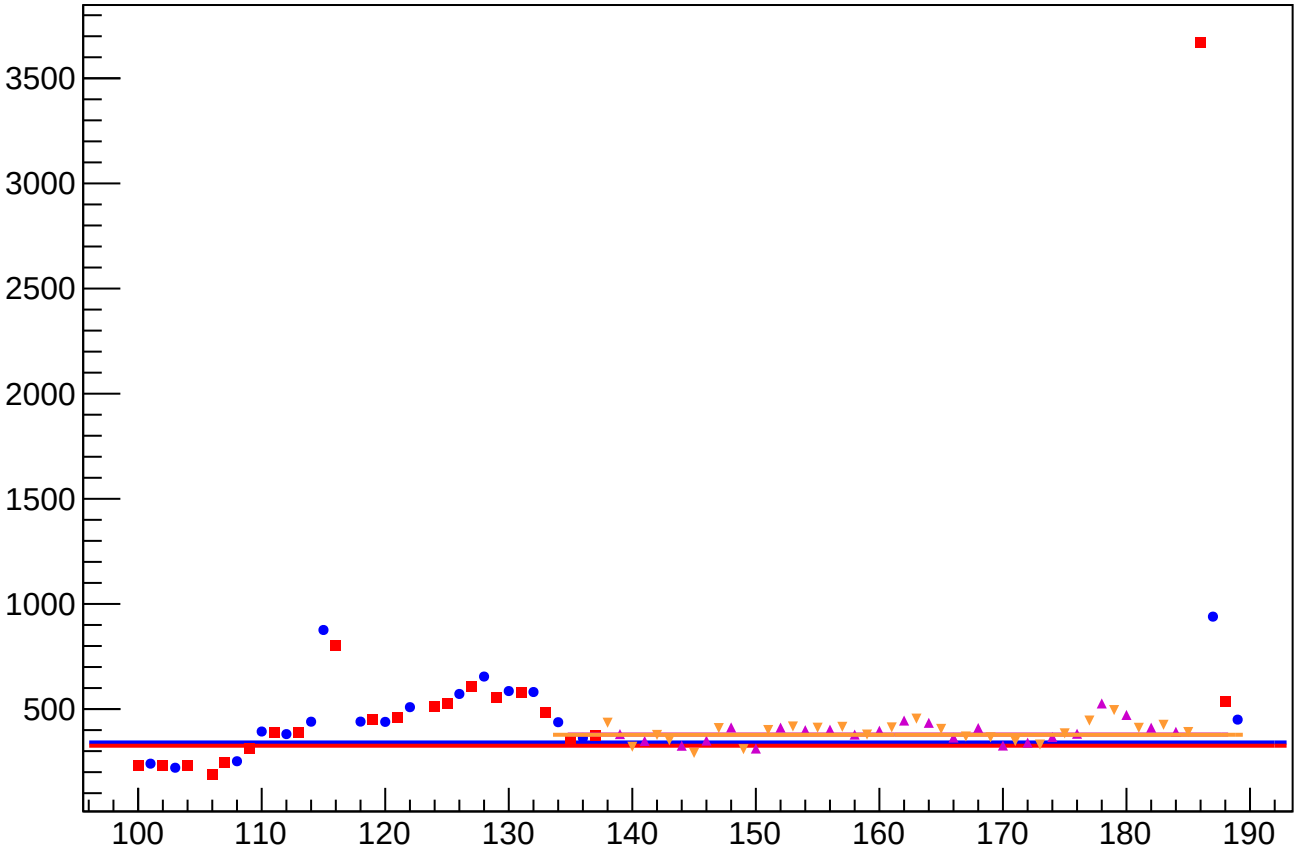
Left In: 59.907+/-89.411 χ^2/NDF:25.8/22

+ sign 209.681+/-72.183 χ^2/NDF: 51.1/42

All: 164.868+/-50.899 χ^2/NDF: 95.8/86

- sign 120.549+/-71.784 χ^2/NDF: 43.9/43

asym_sam_37_48_dd_eigen_dit_correction_rms vs Slug



Right In: 341.276+/-0.092 χ^2/NDF: 1942653.0/17

Left Out: 377.796+/-0.061 χ^2/NDF:636714.9/24

Right Out: 325.704+/-0.085 χ^2/NDF: 2870297.5/20

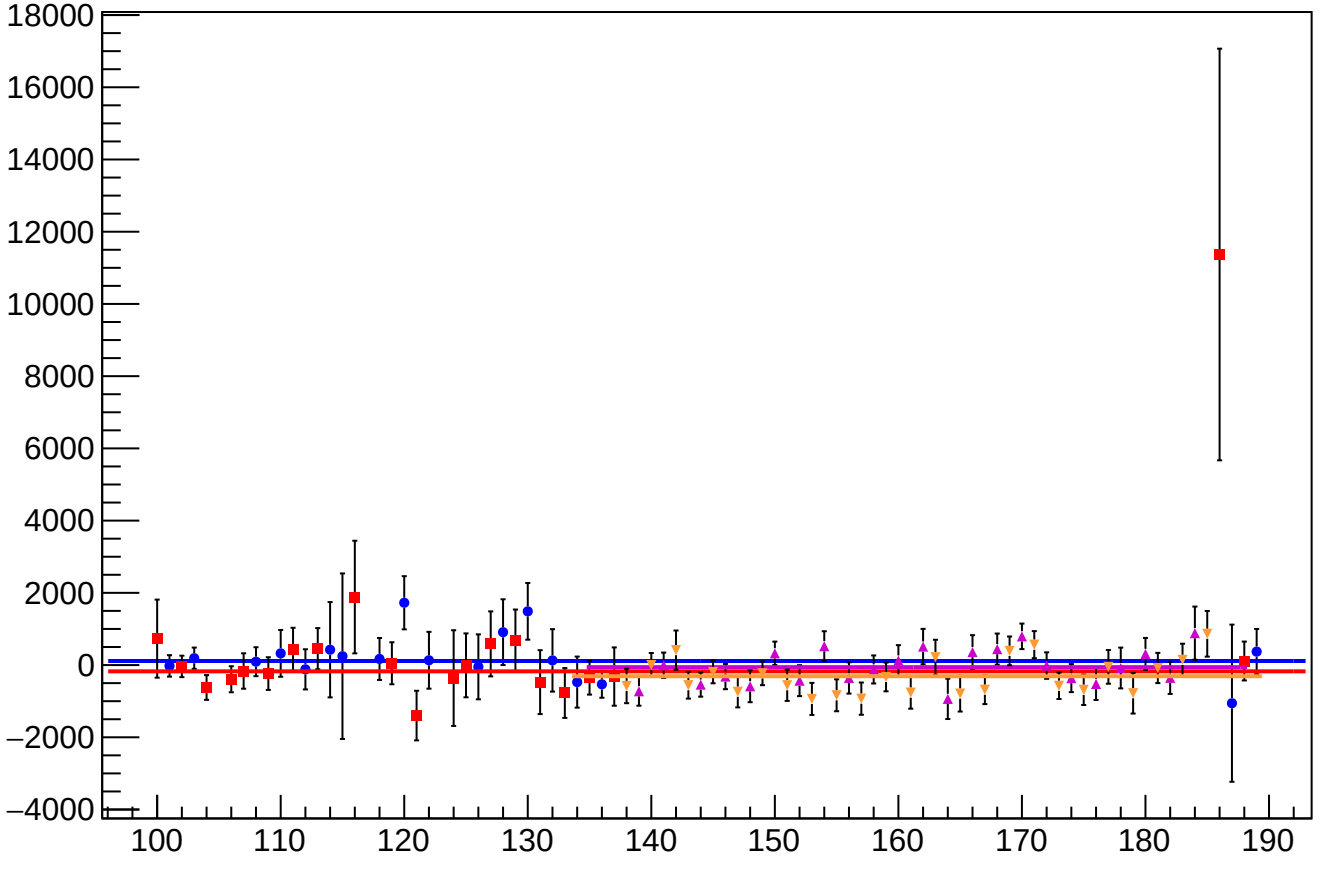
Left In: 378.869+/-0.063 χ^2/NDF:527680.9/22

+ sign 366.519+/-0.051 χ^2/NDF: 2688638.2/42

All: 363.227+/-0.036 χ^2/NDF: 6346226.7/86

- sign 359.972+/-0.051 χ^2/NDF: 3649316.8/43

asym_sam_37_48_dd_mean vs Slug



Right In: 112.670+/-129.926 χ^2/NDF: 13.4/17

Left Out: -309.330+/-83.706 χ^2/NDF:30.0/24

Right Out: -173.366+/-122.841 χ^2/NDF: 17.5/20

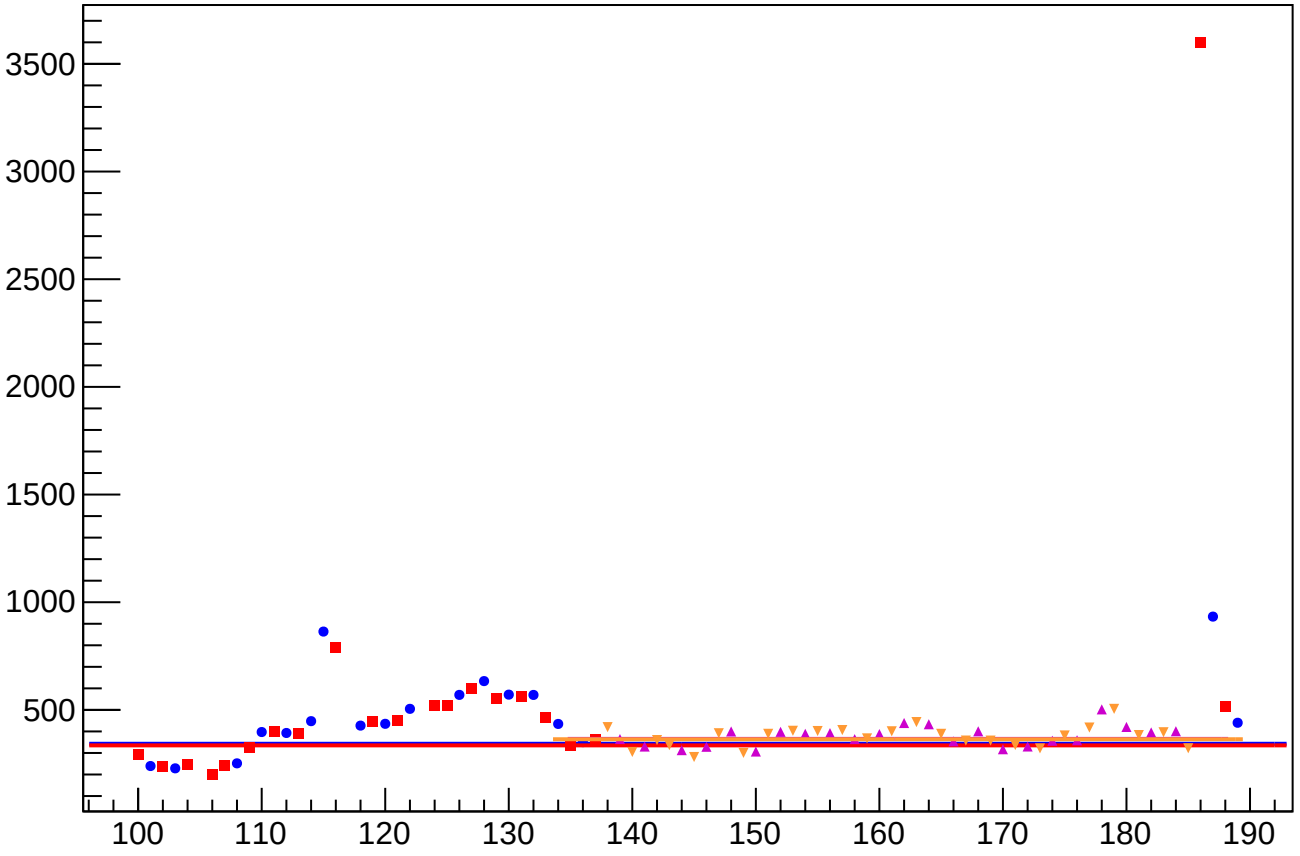
Left In: -57.543+/-86.225 χ^2/NDF:28.0/22

+ sign -185.550+/-70.367 χ^2/NDF: 50.8/42

All: -140.794+/-49.830 χ^2/NDF: 97.8/86

- sign -95.773+/-70.574 χ^2/NDF: 46.1/43

asym_sam_37_48_dd_rms vs Slug



Right In: 342.679+/-0.092 χ^2/NDF: 1819482.5/17

Left Out: 363.714+/-0.059 χ^2/NDF:669244.7/24

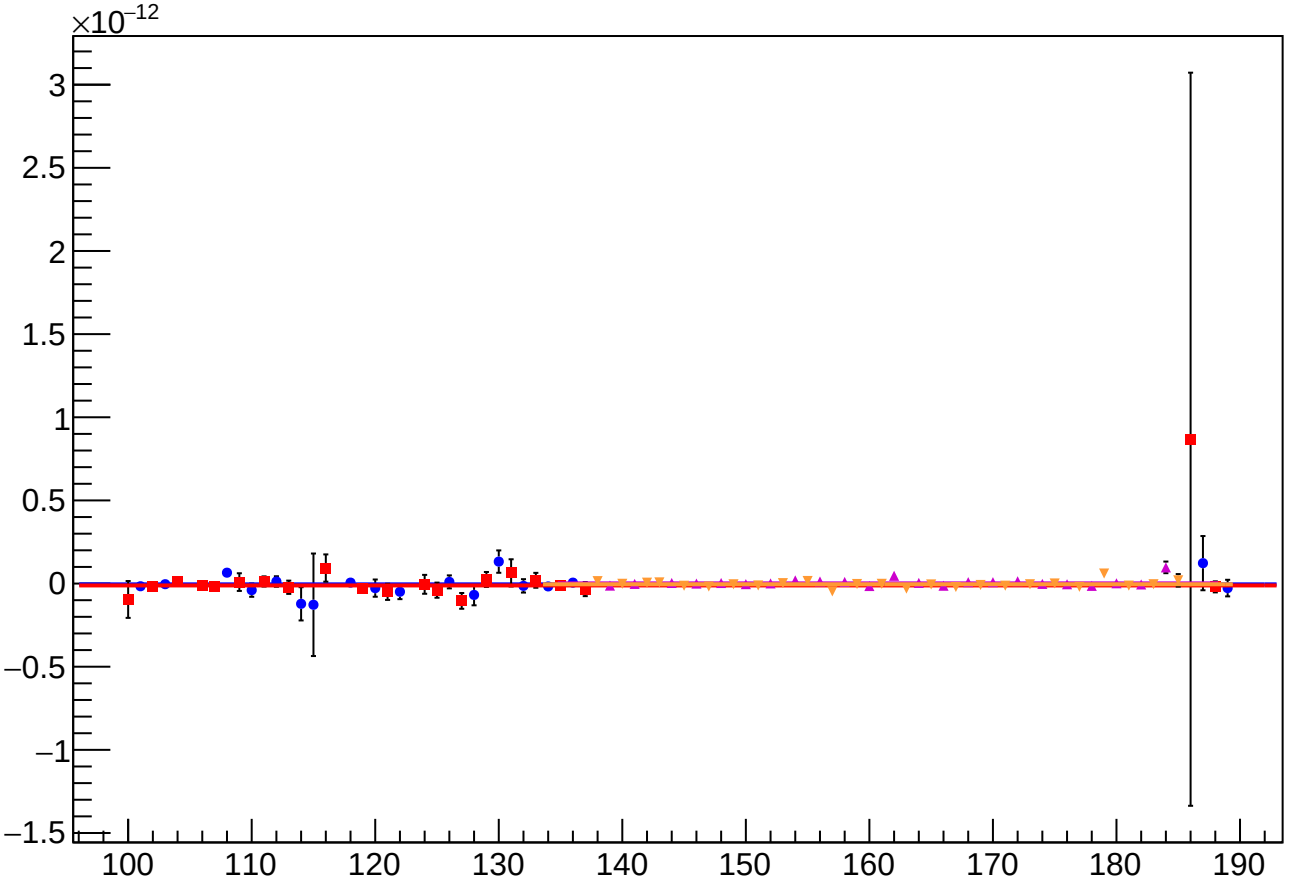
Right Out: 335.295+/-0.087 χ^2/NDF: 2557562.3/20

Left In: 365.324+/-0.061 χ^2/NDF:509496.4/22

+ sign 357.544+/-0.050 χ^2/NDF: 2525774.3/42

All: 356.481+/-0.035 χ^2/NDF: 5673815.5/86

- sign 355.412+/-0.050 χ^2/NDF: 3147126.0/43



Right In: -0.000+/-0.000 χ^2/NDF: 17.3/17

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/24

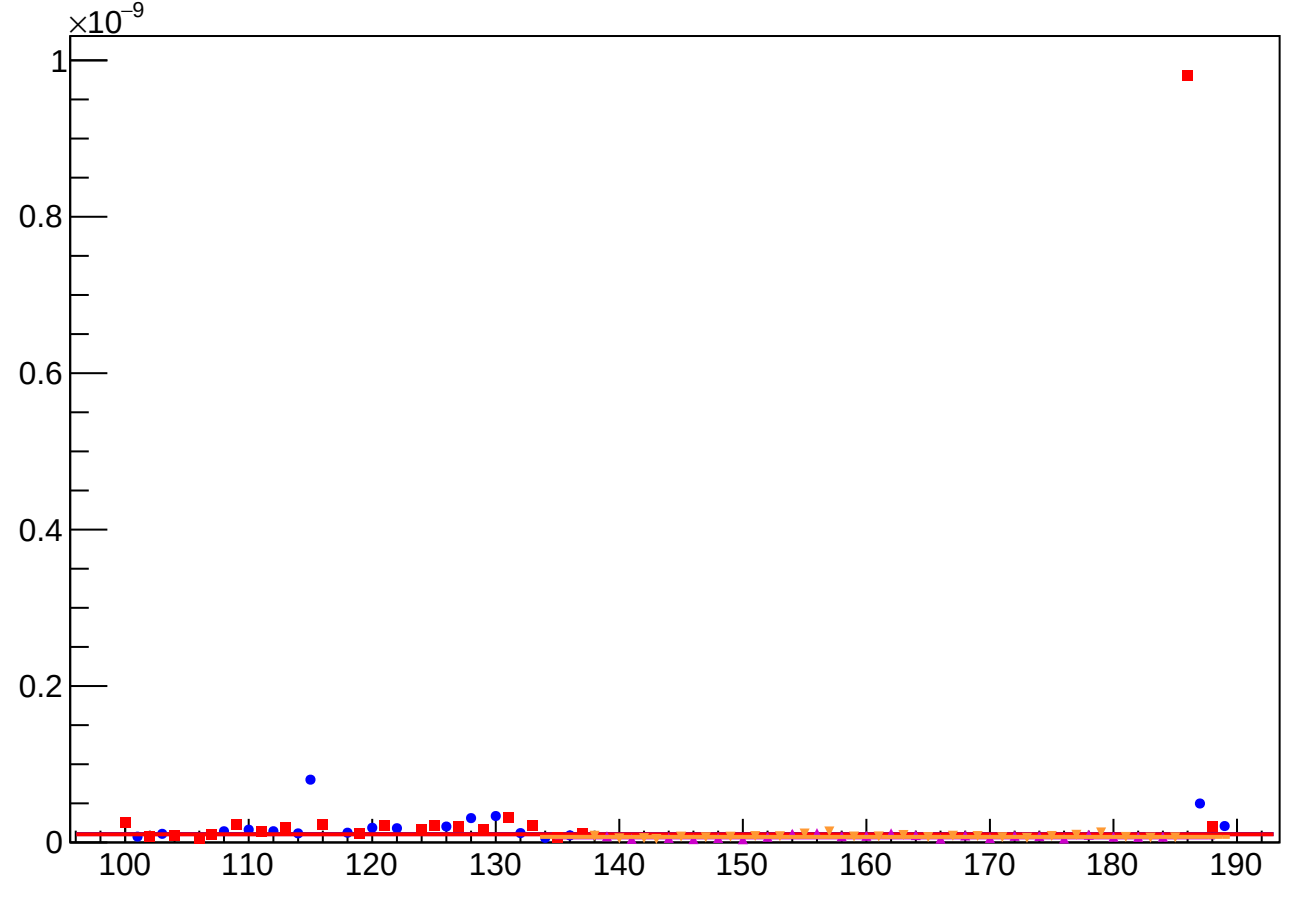
Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/20

Left In: 0.000+/-0.000 χ^2/NDF:21.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 39.2/42

All: -0.000+/-0.000 χ^2/NDF: 78.1/86

- sign -0.000+/-0.000 χ^2/NDF: 37.7/43



Right In: 0.000+/-0.000 χ^2/NDF: 1386461.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:872904.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2014449.0/20

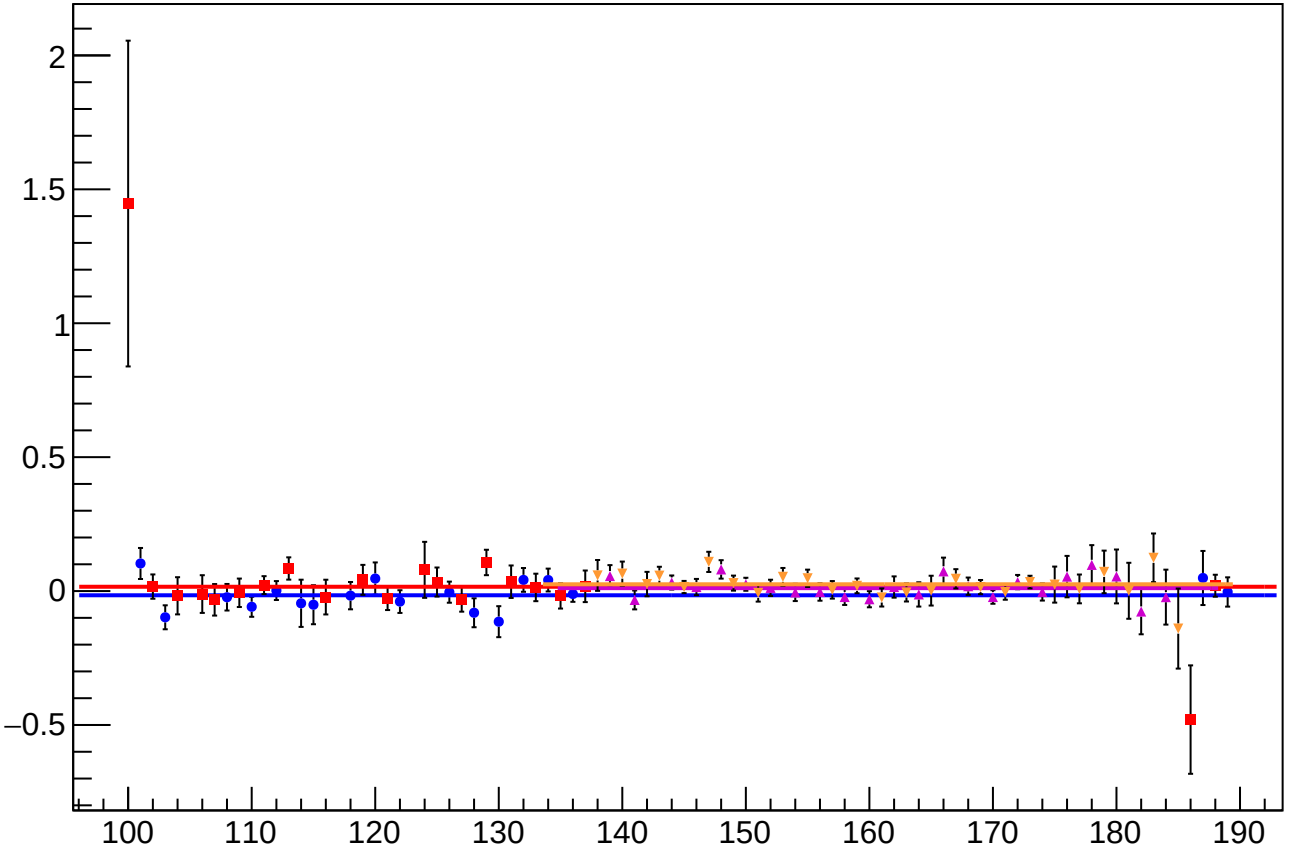
Left In: 0.000+/-0.000 χ^2/NDF:1216388.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 2790598.1/42

All: 0.000+/-0.000 χ^2/NDF: 6757994.5/86

- sign 0.000+/-0.000 χ^2/NDF: 3908294.9/43

asym_sam_37_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.016+/-0.011 χ^2/NDF: 19.3/17

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: 0.016+/-0.012 χ^2/NDF: 22.9/20

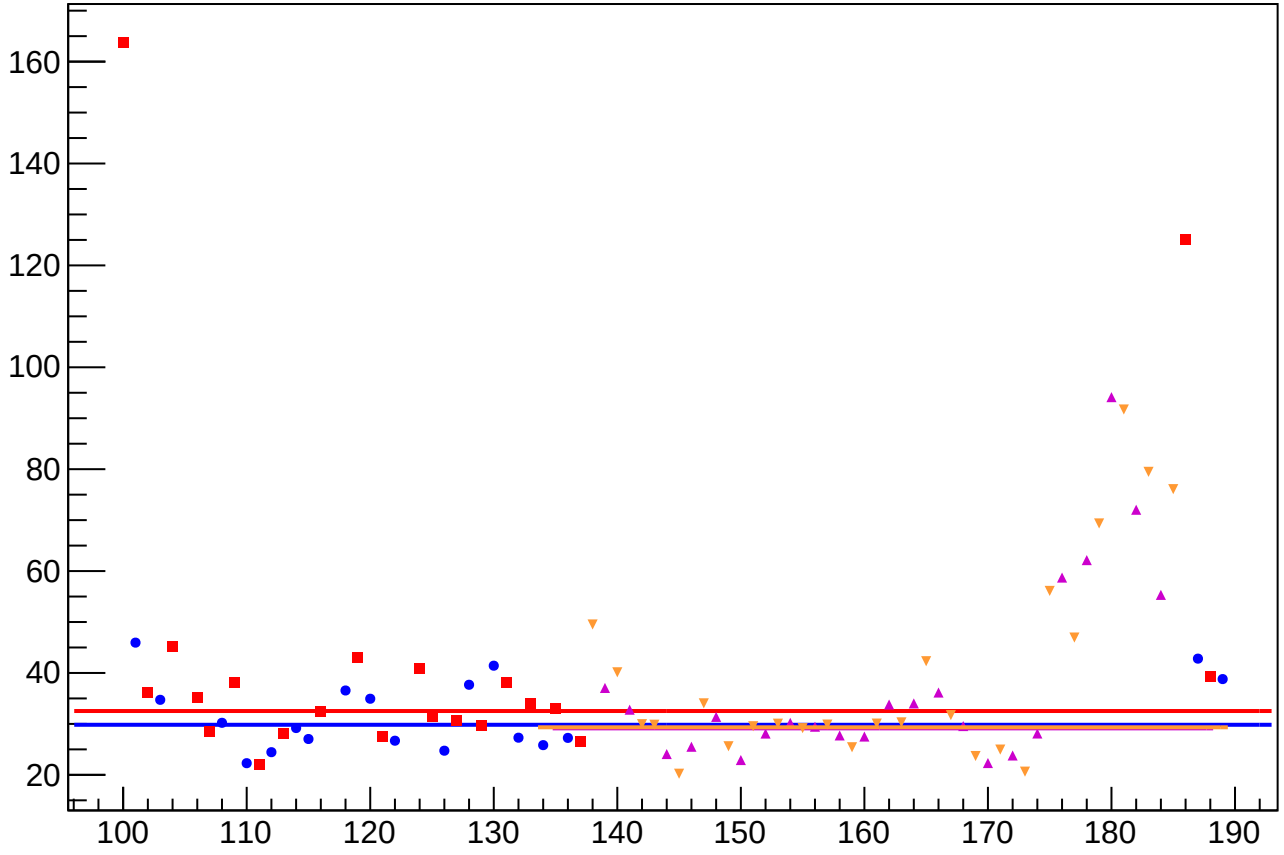
Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.013+/-0.006 χ^2/NDF: 46.4/42

All: 0.013+/-0.004 χ^2/NDF: 88.4/86

- sign 0.012+/-0.006 χ^2/NDF: 42.0/43

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 29.828+/-0.008 χ^2/NDF: 652246.3/17

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

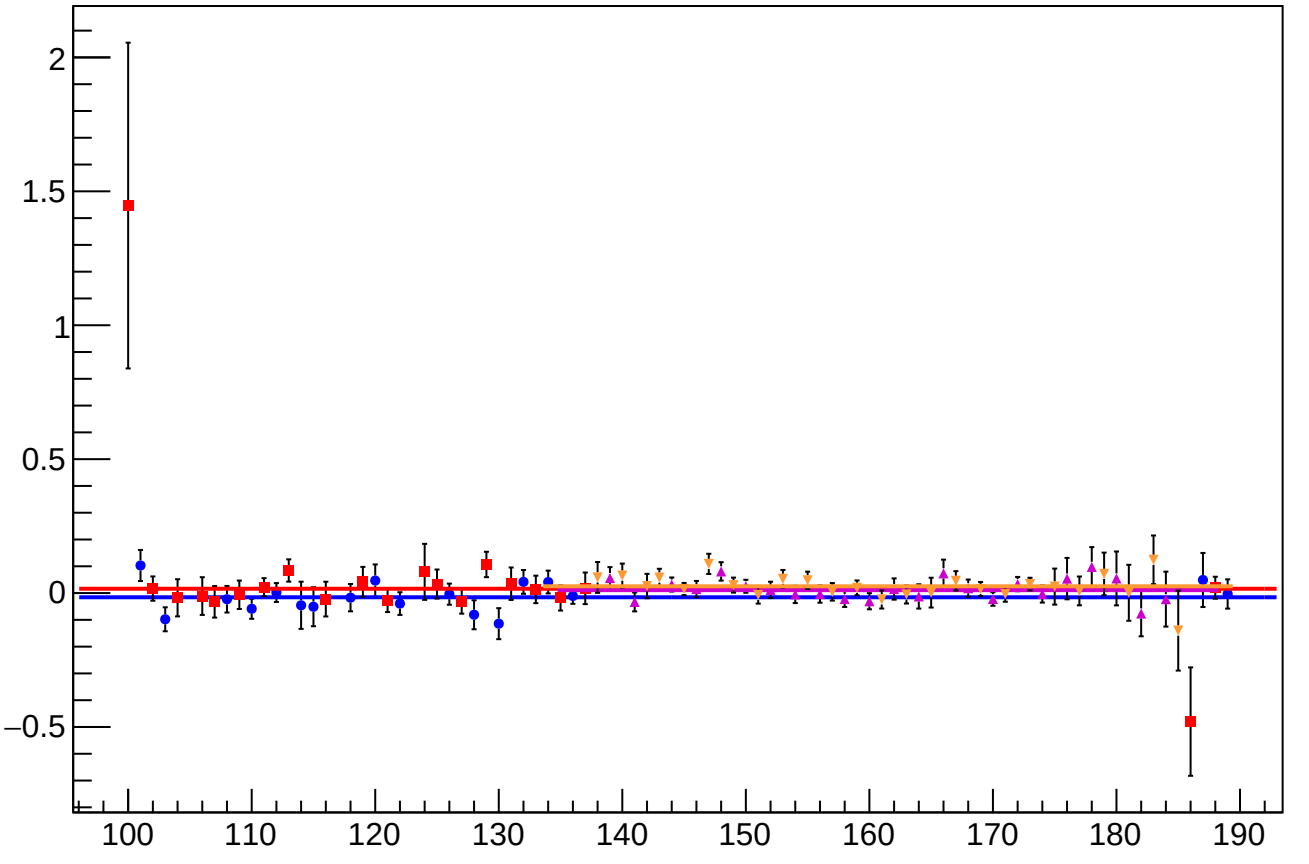
Right Out: 32.530+/-0.008 χ^2/NDF: 1054929.9/20

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

+ sign 29.481+/-0.004 χ^2/NDF: 4529832.5/42

All: 29.779+/-0.003 χ^2/NDF: 8557664.0/86

- sign 30.092+/-0.004 χ^2/NDF: 4017803.4/43



Right In: -0.016+/-0.011 χ^2/NDF: 19.3/17

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

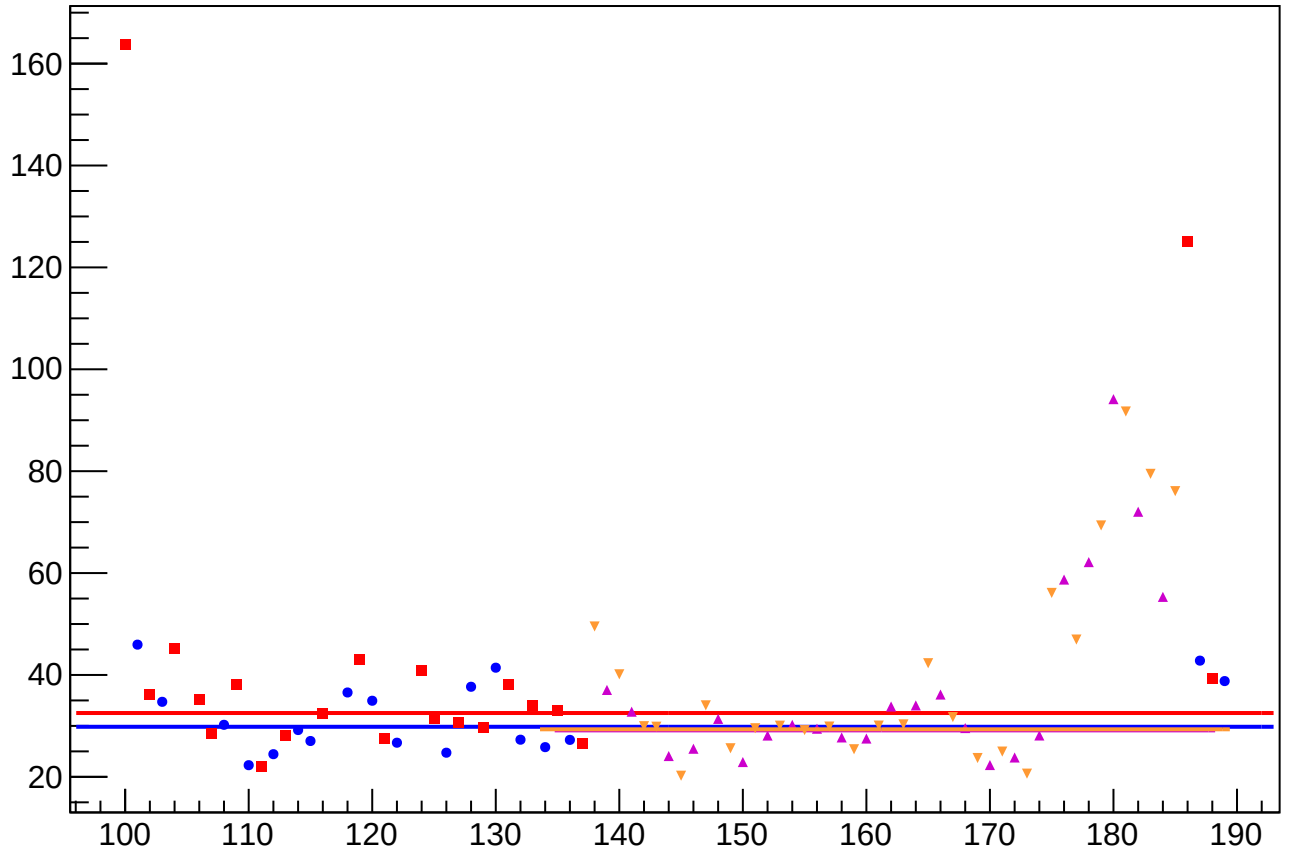
Right Out: 0.016+/-0.012 χ^2/NDF: 22.9/20

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.013+/-0.006 χ^2/NDF: 46.4/42

All: 0.013+/-0.004 χ^2/NDF: 88.4/86

- sign 0.012+/-0.006 χ^2/NDF: 42.0/43



Right In: 29.828+/-0.008 χ^2/NDF: 652246.3/17

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

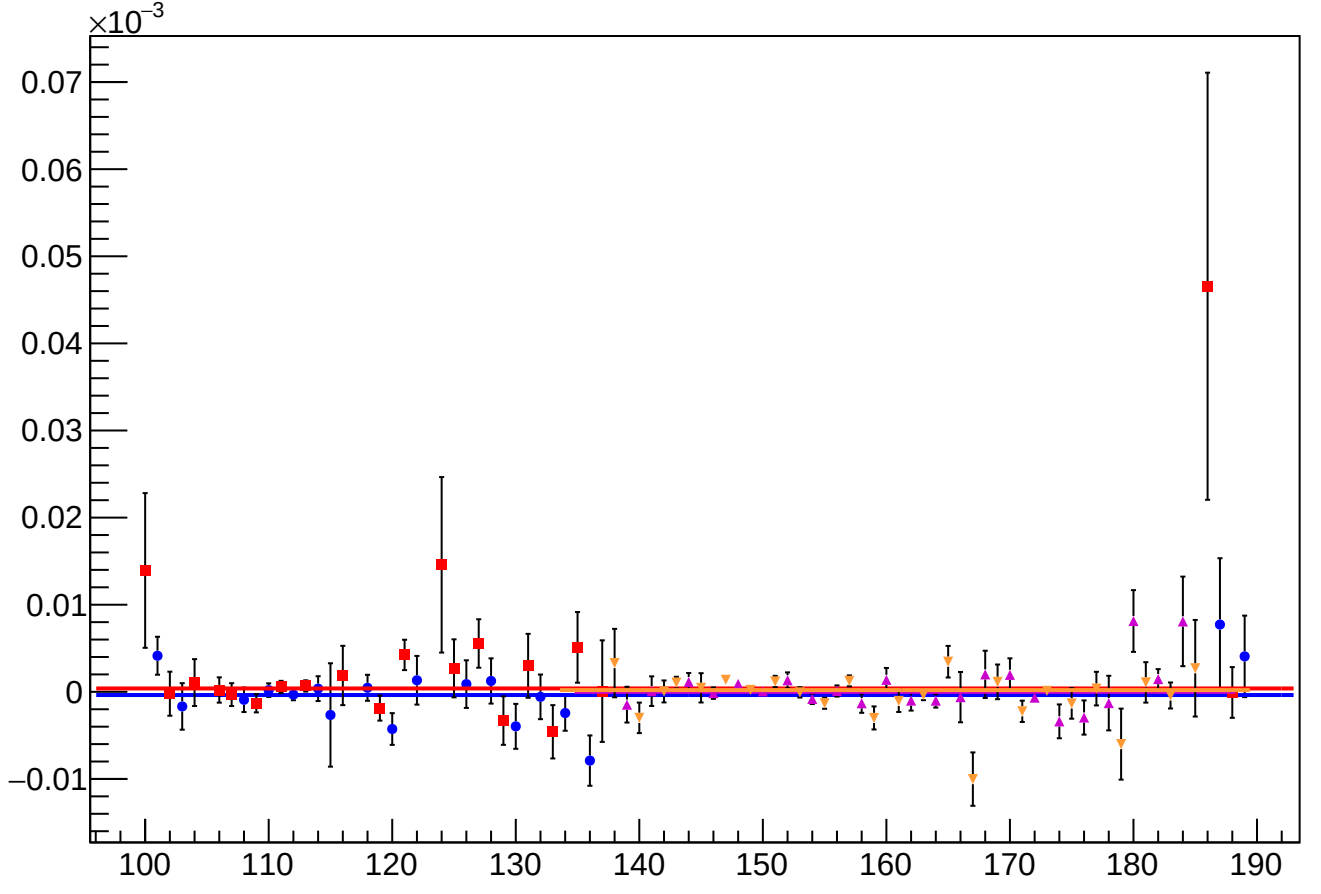
Right Out: 32.530+/-0.008 χ^2/NDF: 1054929.9/20

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

+ sign 29.481+/-0.004 χ^2/NDF: 4529832.5/42

All: 29.779+/-0.003 χ^2/NDF: 8557664.0/86

- sign 30.092+/-0.004 χ^2/NDF: 4017803.4/43



Right In: -0.000+/-0.000 χ^2/NDF: 23.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.9/20

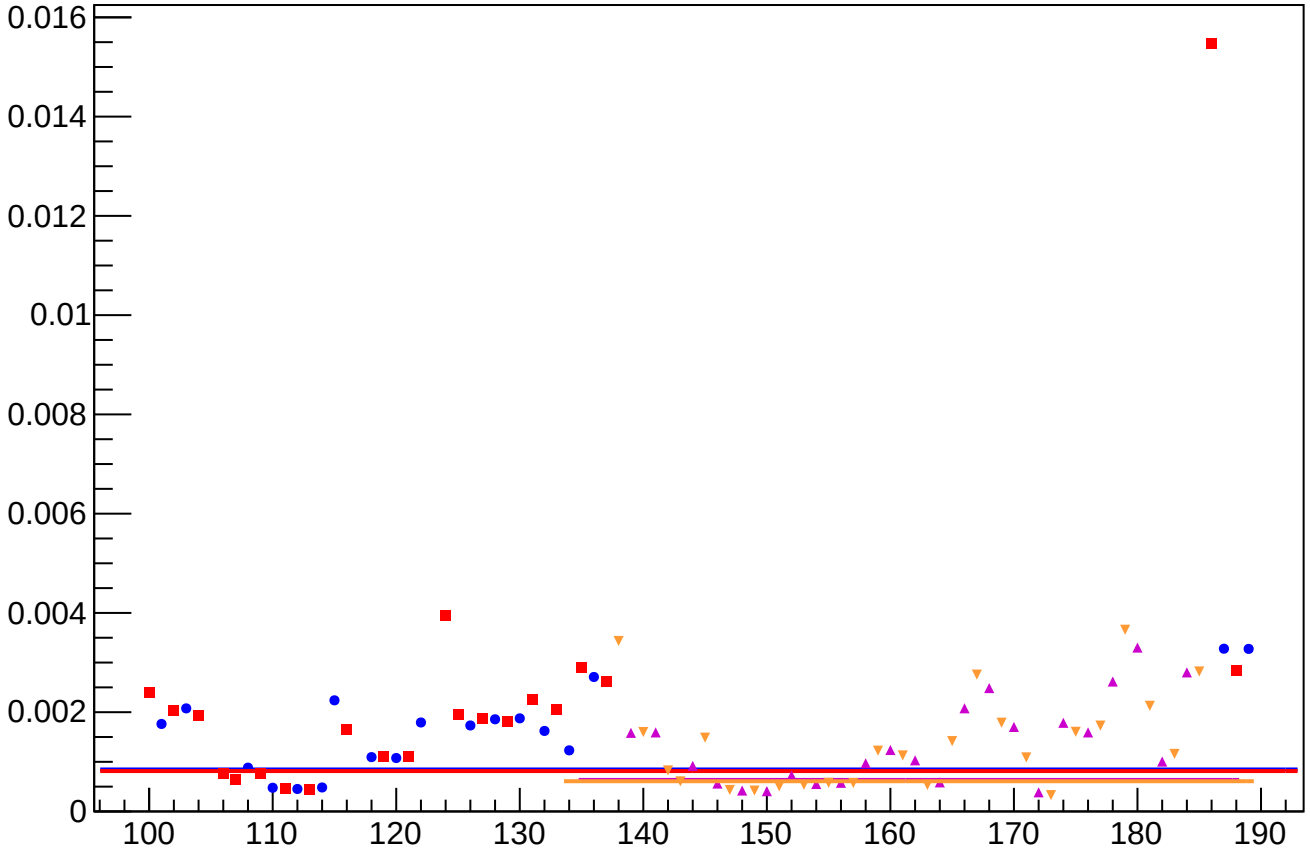
Left In: 0.000+/-0.000 χ^2/NDF:32.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 77.8/42

All: 0.000+/-0.000 χ^2/NDF: 140.6/86

- sign 0.000+/-0.000 χ^2/NDF: 62.8/43

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 5198868.6/17

Left Out: 0.001+/-0.000 χ^2/NDF:10964161.2/24

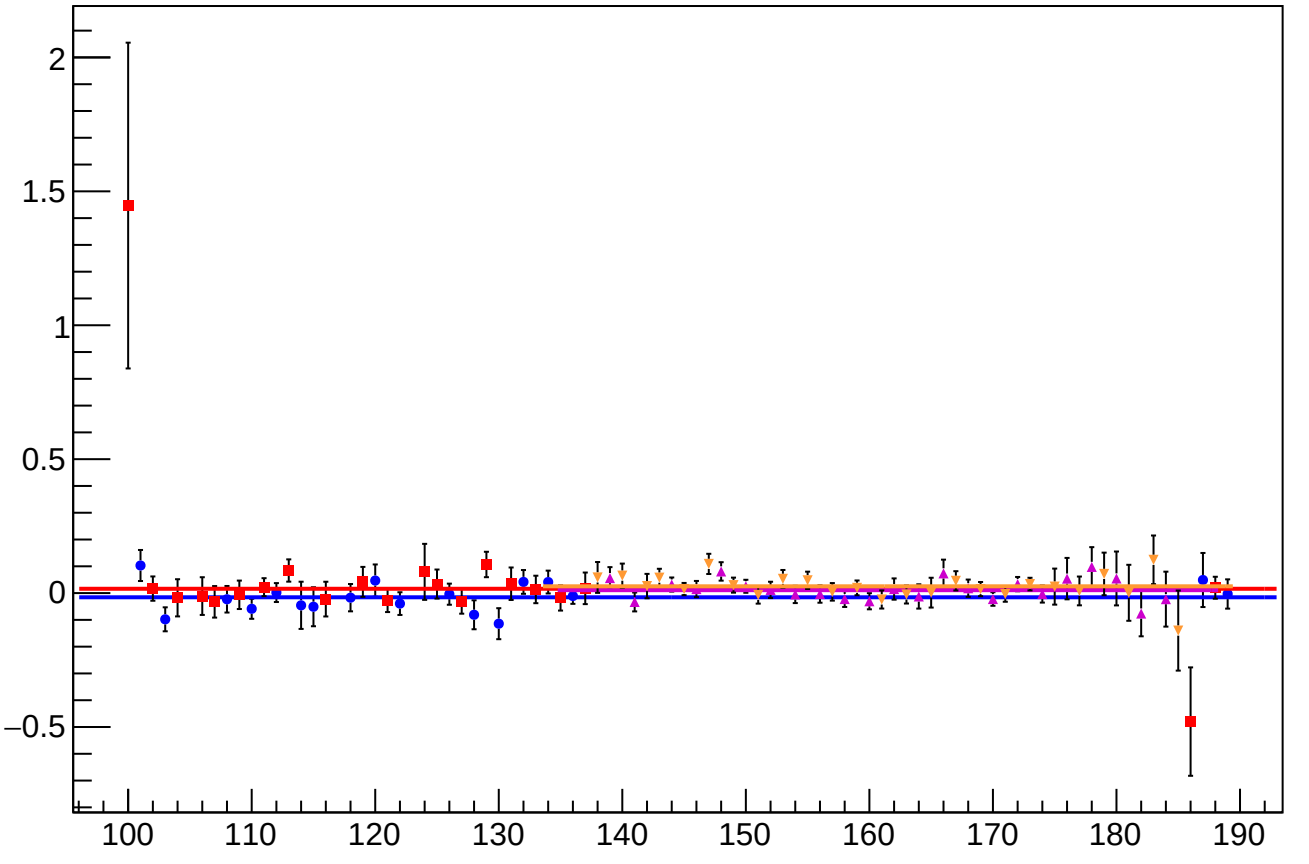
Right Out: 0.001+/-0.000 χ^2/NDF: 6340887.7/20

Left In: 0.001+/-0.000 χ^2/NDF:9376124.7/22

+ sign 0.001+/-0.000 χ^2/NDF: 16842323.5/42

All: 0.001+/-0.000 χ^2/NDF: 33001067.0/86

- sign 0.001+/-0.000 χ^2/NDF: 16136147.4/43



Right In: -0.016+/-0.011 χ^2/NDF: 19.3/17

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

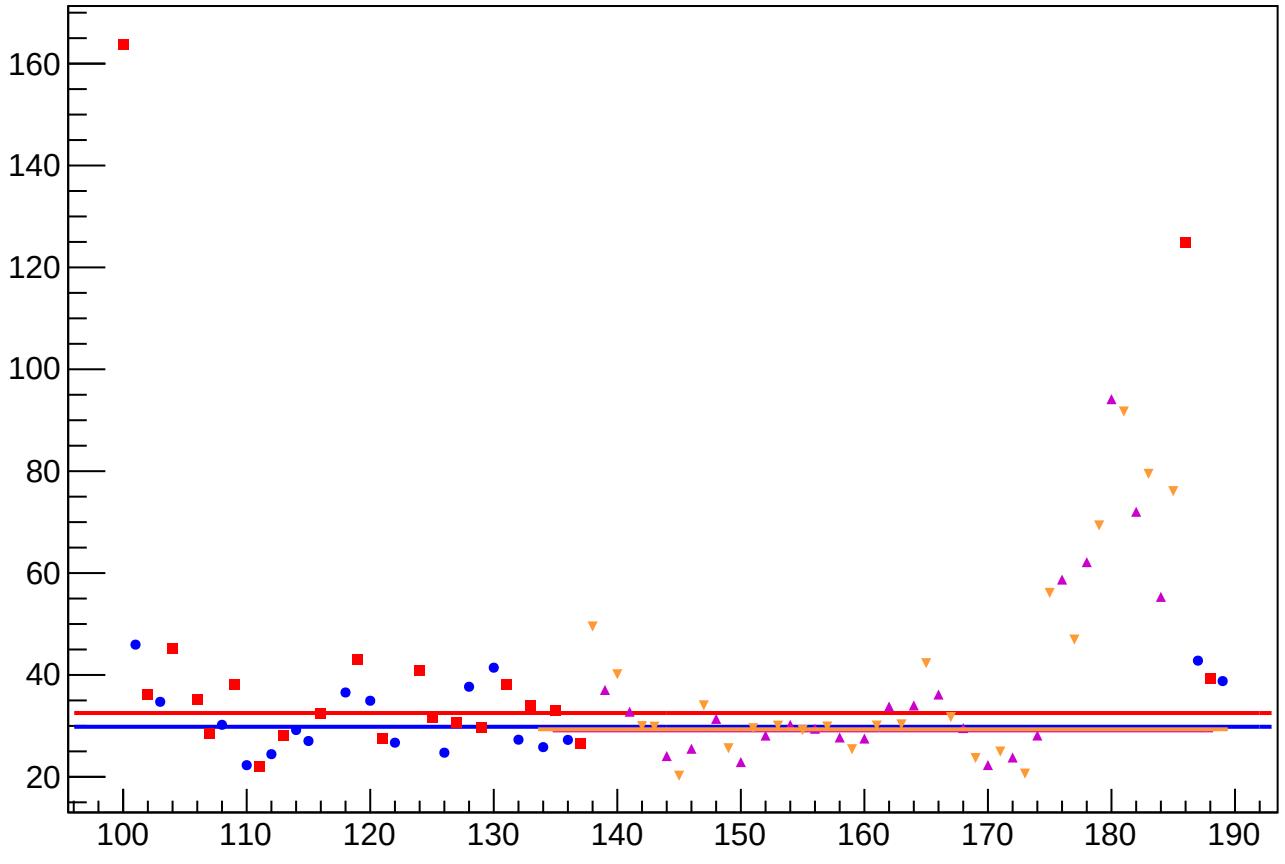
Right Out: 0.016+/-0.012 χ^2/NDF: 22.9/20

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.013+/-0.006 χ^2/NDF: 46.4/42

All: 0.013+/-0.004 χ^2/NDF: 88.4/86

- sign 0.012+/-0.006 χ^2/NDF: 42.0/43



Right In: 29.828+/-0.008 χ^2/NDF: 652215.6/17

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

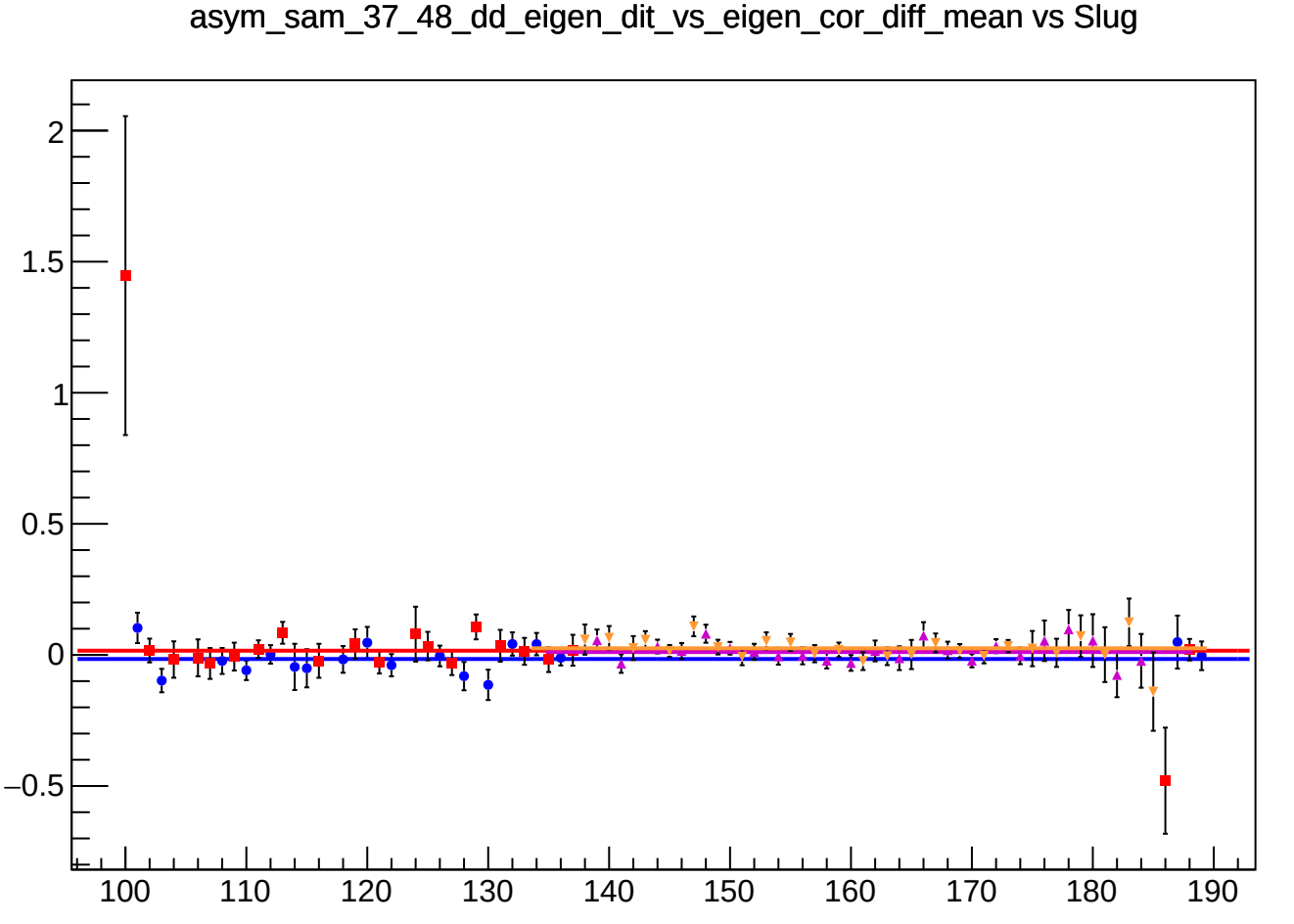
Right Out: 32.531+/-0.008 χ^2/NDF: 1054879.0/20

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 29.481+/-0.004 χ^2/NDF: 4529869.7/42

All: 29.779+/-0.003 χ^2/NDF: 8557642.8/86

- sign 30.092+/-0.004 χ^2/NDF: 4017743.4/43



Right In: -0.016+/-0.011 χ^2/NDF: 19.3/17

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

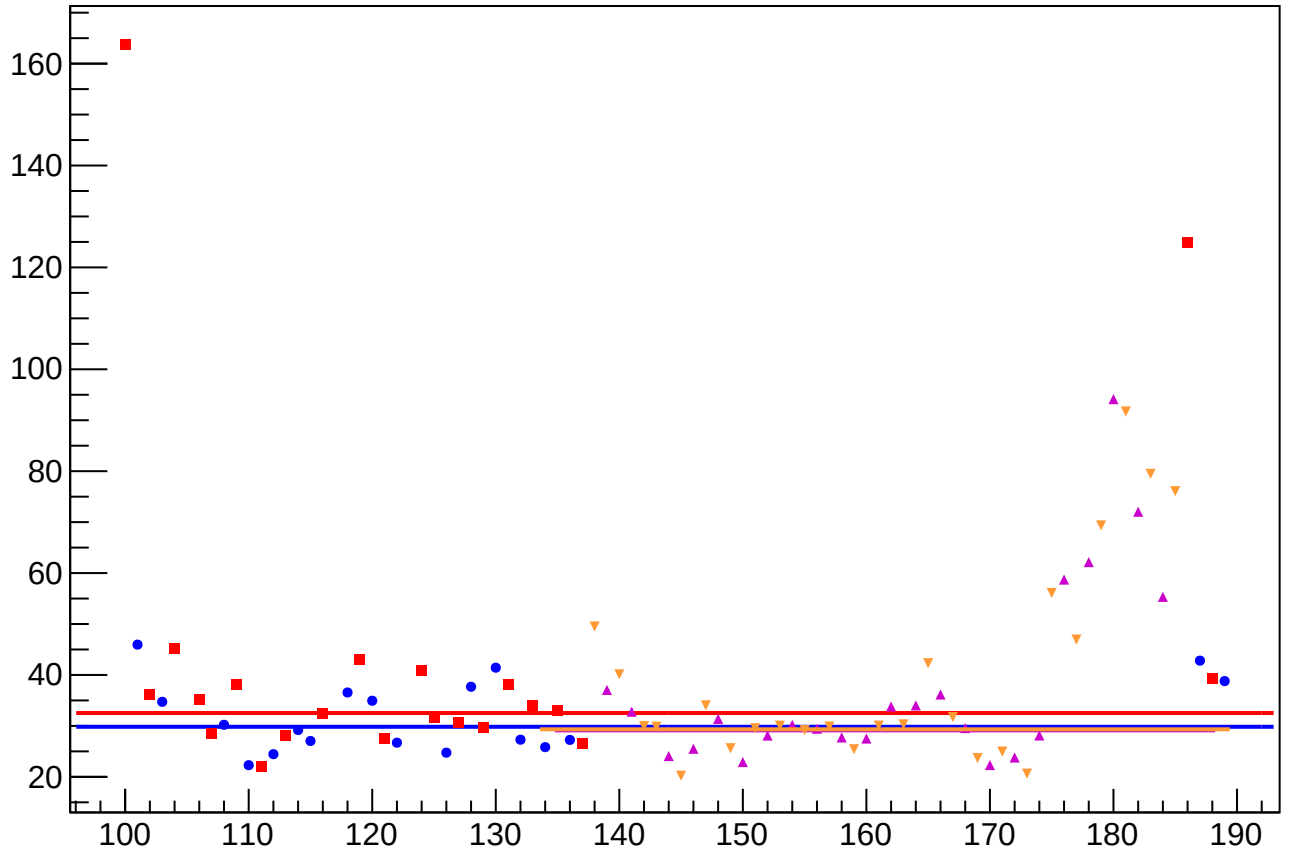
Right Out: 0.016+/-0.012 χ^2/NDF: 22.9/20

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.013+/-0.006 χ^2/NDF: 46.4/42

All: 0.013+/-0.004 χ^2/NDF: 88.4/86

- sign 0.012+/-0.006 χ^2/NDF: 42.0/43



Right In: 29.828+/-0.008 χ^2/NDF: 652215.6/17

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

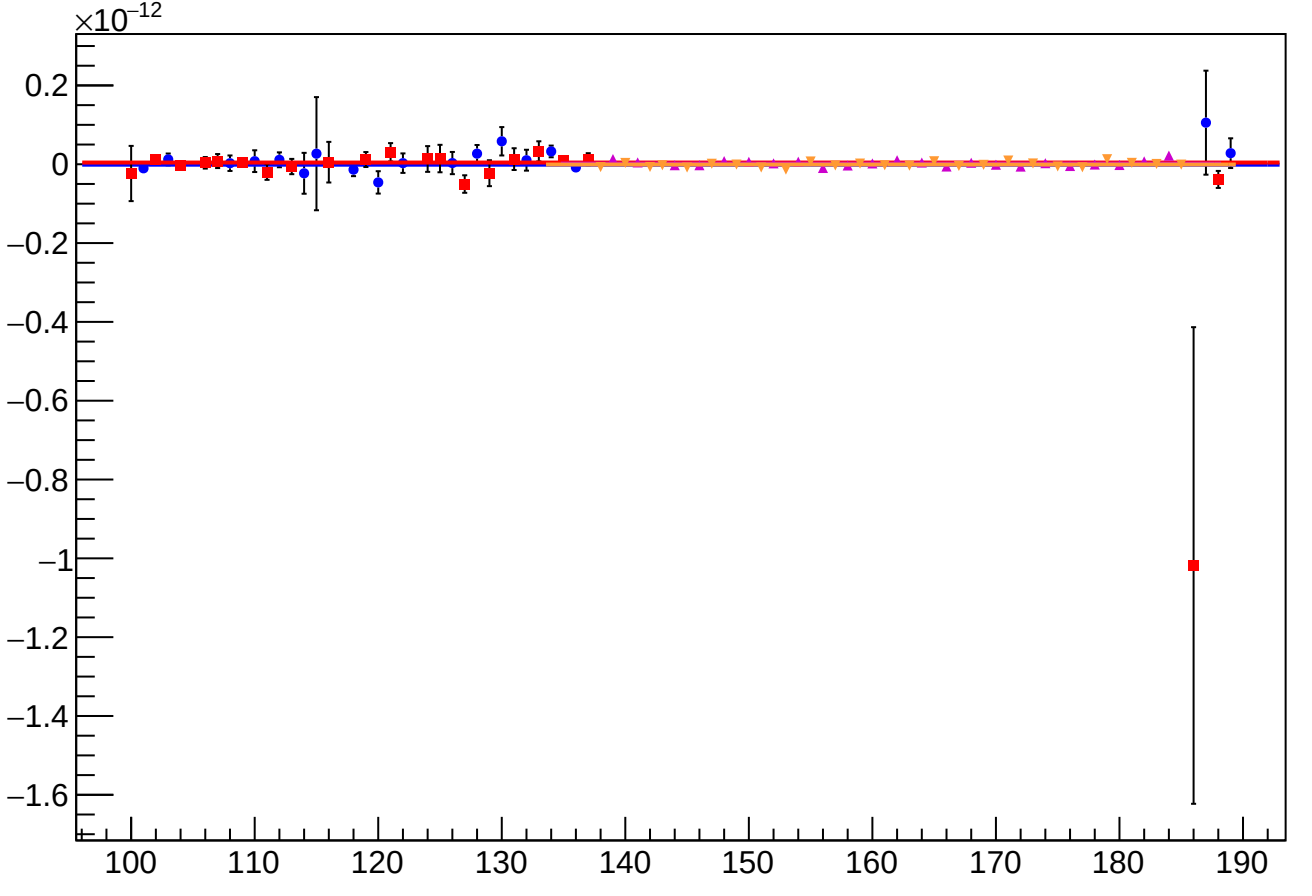
Right Out: 32.531+/-0.008 χ^2/NDF: 1054879.0/20

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 29.481+/-0.004 χ^2/NDF: 4529869.7/42

All: 29.779+/-0.003 χ^2/NDF: 8557642.8/86

- sign 30.092+/-0.004 χ^2/NDF: 4017743.4/43



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/17

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/24

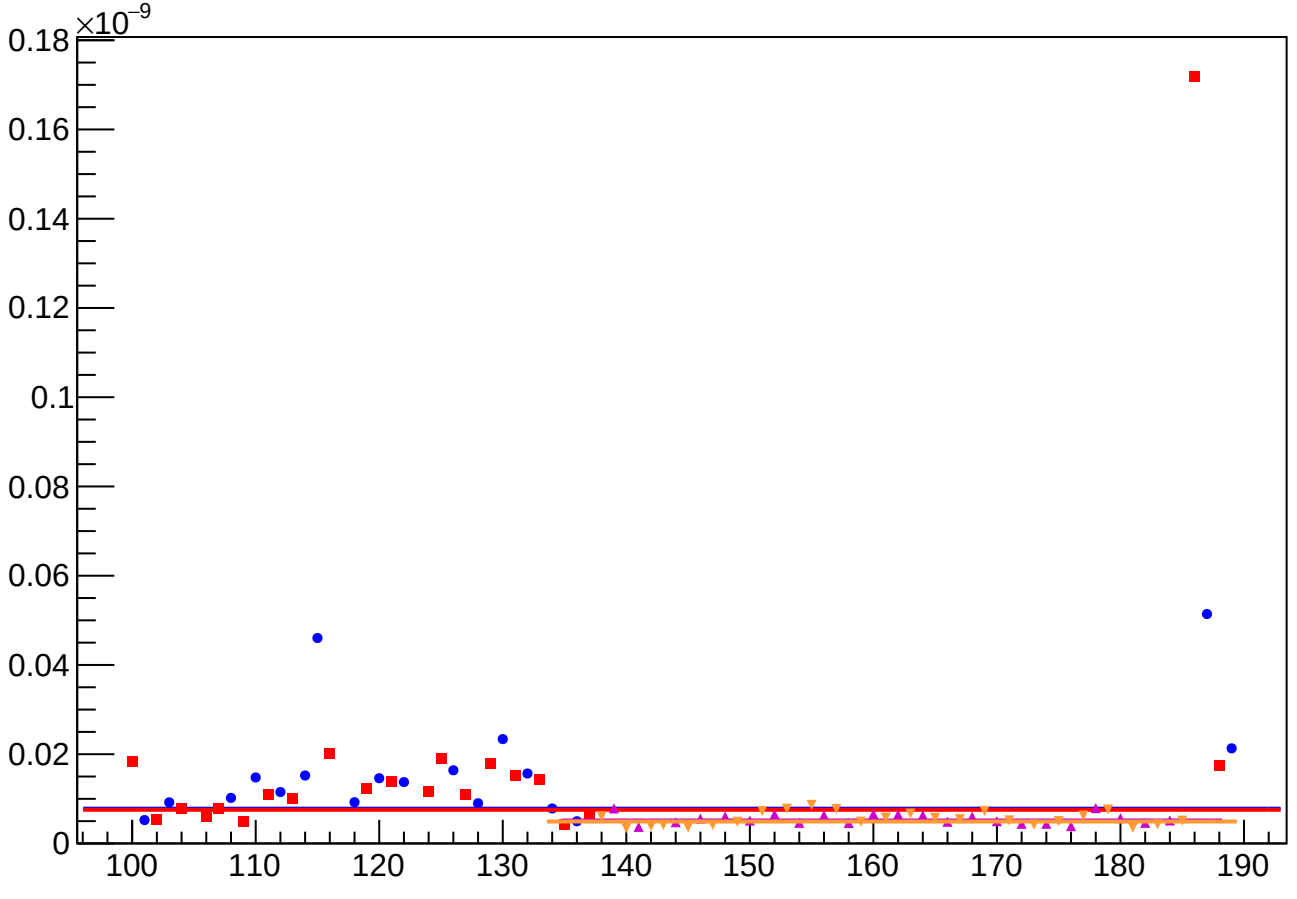
Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/20

Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 33.3/42

All: 0.000+/-0.000 χ^2/NDF: 72.6/86

- sign 0.000+/-0.000 χ^2/NDF: 37.3/43



Right In: 0.000+/-0.000 χ^2/NDF: 2501154.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:1871499.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2573805.8/20

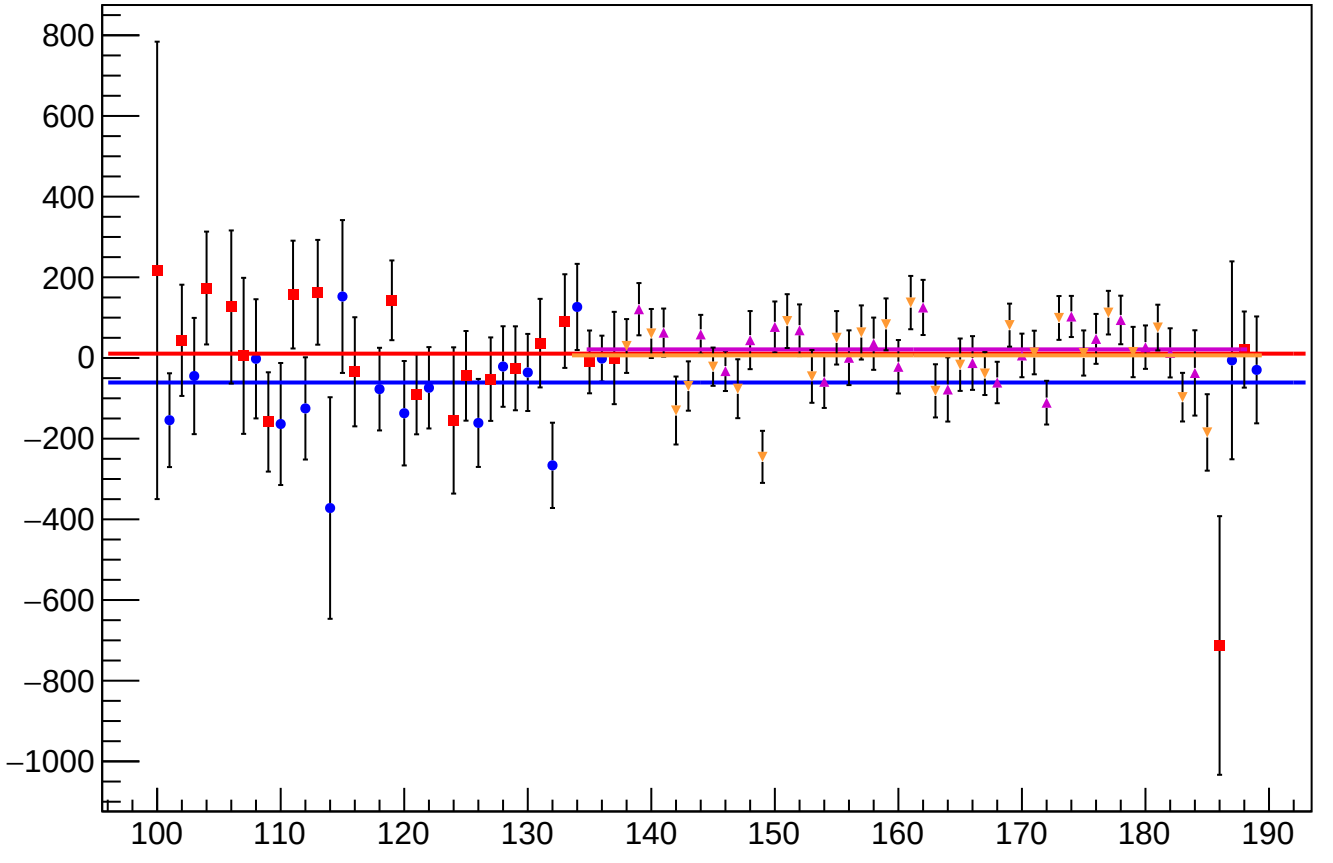
Left In: 0.000+/-0.000 χ^2/NDF:976775.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 5379362.6/42

All: 0.000+/-0.000 χ^2/NDF: 9722025.9/86

- sign 0.000+/-0.000 χ^2/NDF: 4313168.2/43

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -60.802+/-26.501 χ^2/NDF: 13.6/17

Left Out: 6.523+/-12.287 χ^2/NDF:50.6/24

Right Out: 10.737+/-26.549 χ^2/NDF: 16.6/20

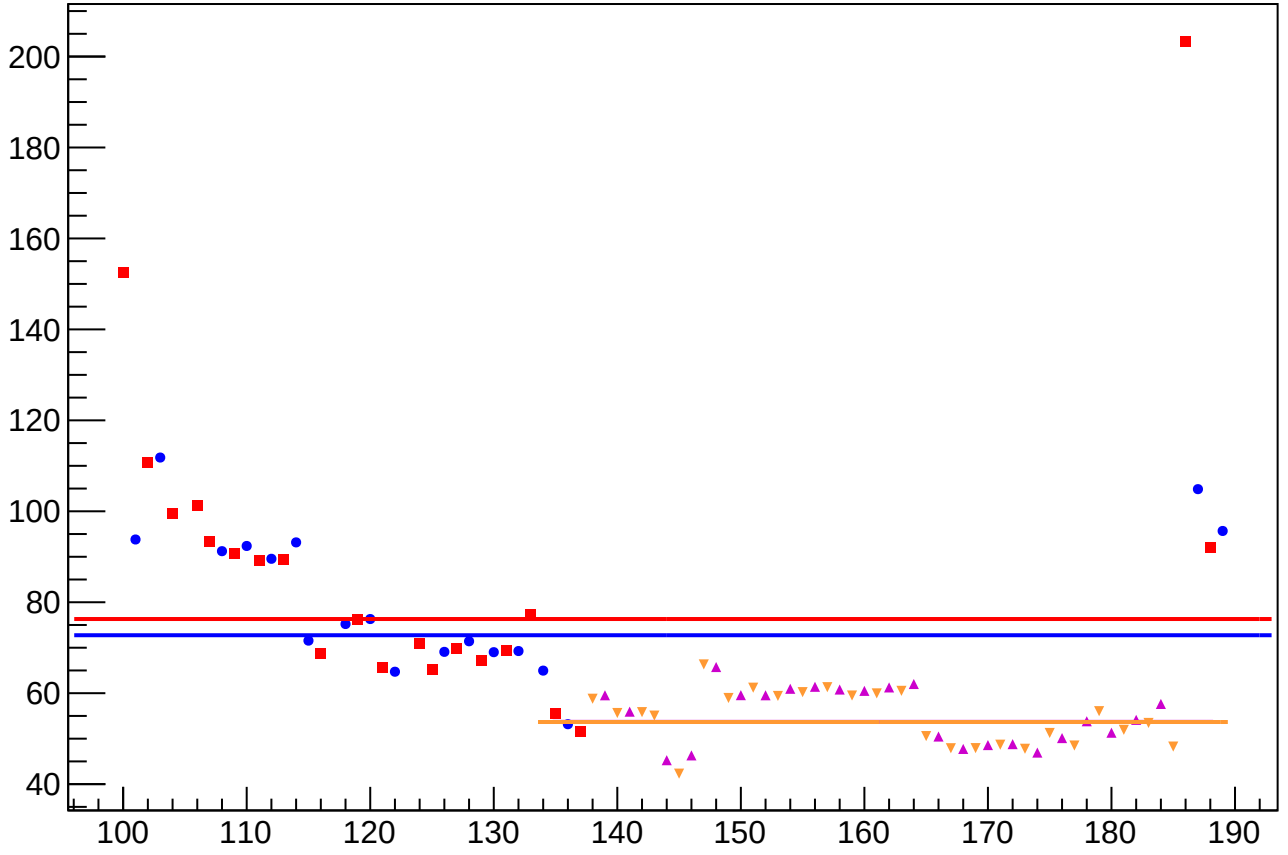
Left In: 21.336+/-12.649 χ^2/NDF:25.4/22

+ sign -5.390+/-11.147 χ^2/NDF: 69.5/42

All: 6.694+/-7.977 χ^2/NDF: 114.0/86

- sign 19.375+/-11.419 χ^2/NDF: 42.1/43

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 72.746+/-0.019 χ^2/NDF: 690131.4/17

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

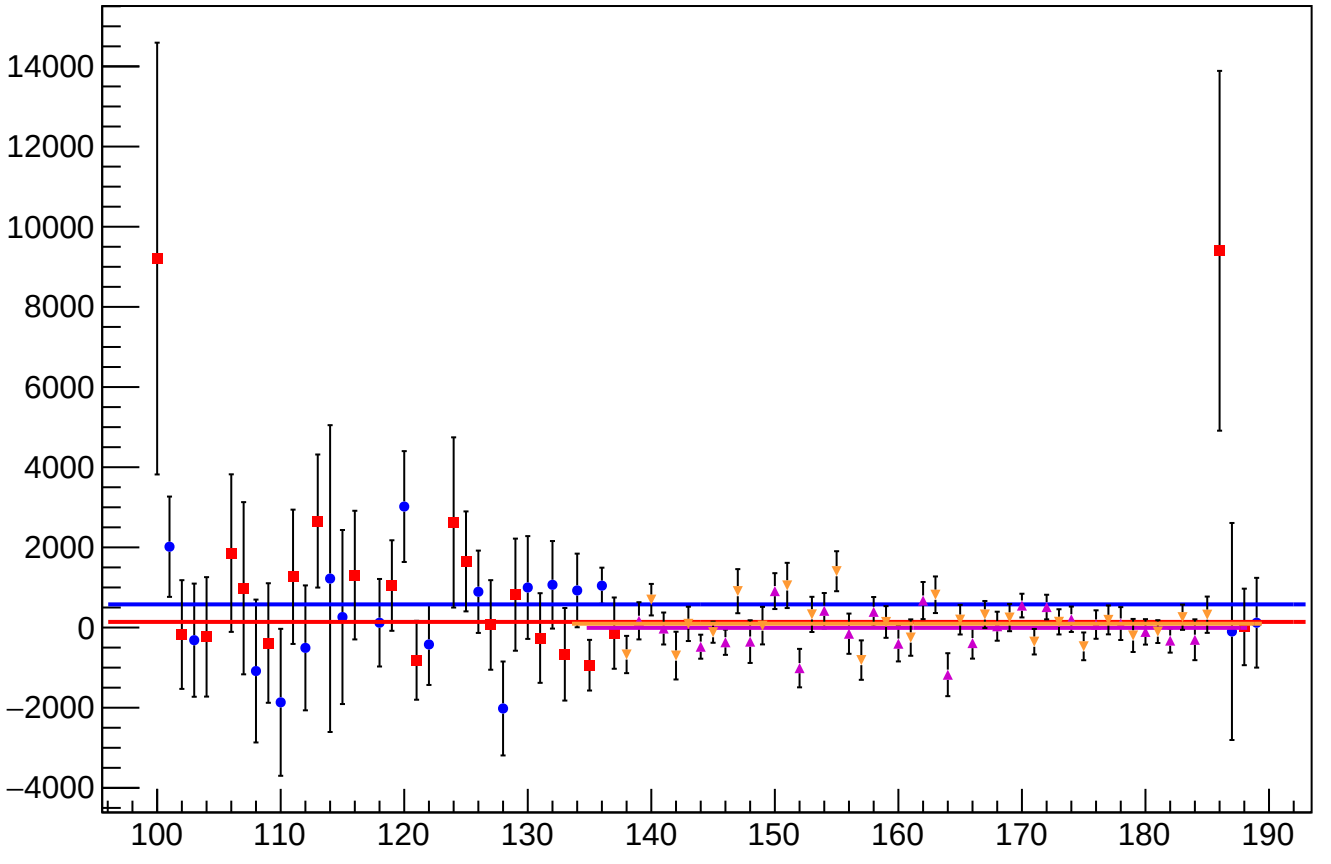
Right Out: 76.312+/-0.019 χ^2/NDF: 1021879.9/20

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 57.042+/-0.008 χ^2/NDF: 2015681.7/42

All: 57.450+/-0.006 χ^2/NDF: 4697332.0/86

- sign 57.879+/-0.008 χ^2/NDF: 2676145.3/43



Right In: 577.998+/-258.353 χ^2/NDF: 15.9/17

Left Out: 95.456+/-77.134 χ^2/NDF:33.2/24

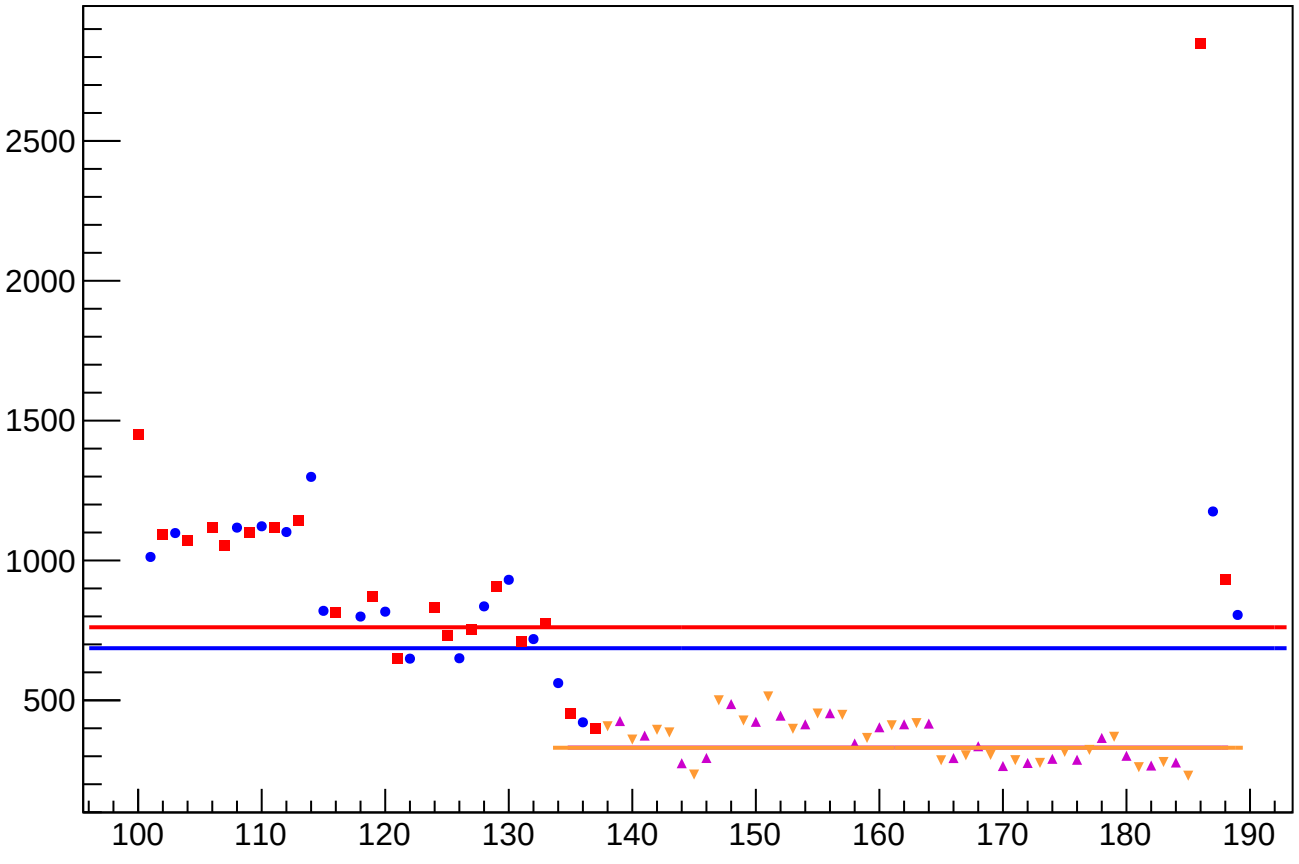
Right Out: 140.681+/-271.981 χ^2/NDF: 19.8/20

Left In: -7.879+/-79.125 χ^2/NDF:32.3/22

+ sign 134.949+/-73.910 χ^2/NDF: 52.3/42

All: 71.139+/-52.978 χ^2/NDF: 106.3/86

- sign 3.713+/-75.976 χ^2/NDF: 52.4/43



Right In: 686.329+/-0.183 χ^2/NDF: 1709085.1/17

Left Out: 330.405+/-0.055 χ^2/NDF:1752470.5/24

Right Out: 761.199+/-0.192 χ^2/NDF: 2026882.4/20

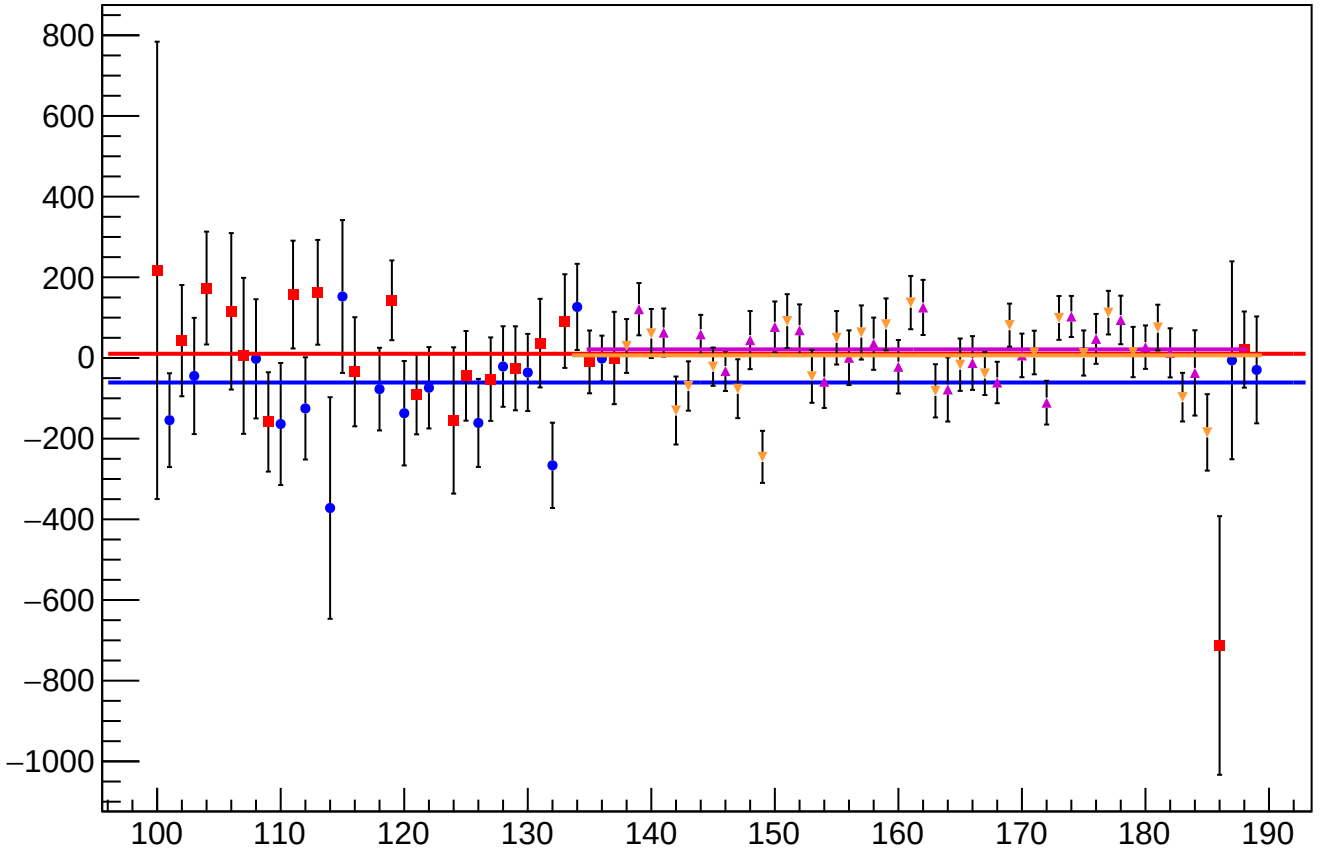
Left In: 331.059+/-0.056 χ^2/NDF:1325602.5/22

+ sign 359.535+/-0.052 χ^2/NDF: 6946814.0/42

All: 362.009+/-0.037 χ^2/NDF: 14915924.5/86

- sign 364.623+/-0.054 χ^2/NDF: 7964502.3/43

cor_asym_sam_15_26_dd_mean vs Slug



Right In: -60.794+/-26.501 χ^2/NDF: 13.6/17

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: 10.407+/-26.561 χ^2/NDF: 16.5/20

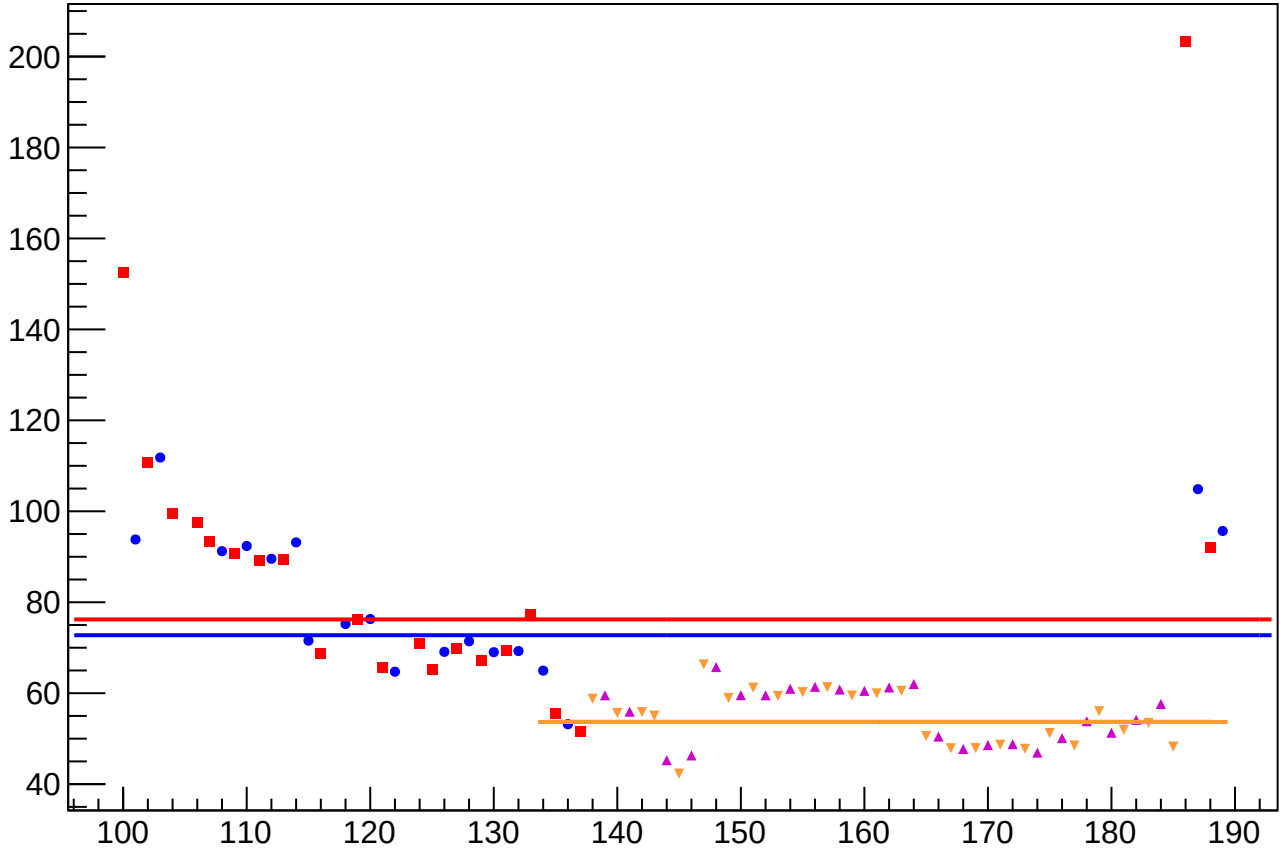
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

+ sign -5.386+/-11.147 χ^2/NDF: 69.5/42

All: 6.665+/-7.977 χ^2/NDF: 113.9/86

- sign 19.314+/-11.420 χ^2/NDF: 42.0/43

cor_asym_sam_15_26_dd_rms vs Slug



Right In: 72.746+/-0.019 χ^2/NDF: 690133.8/17

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

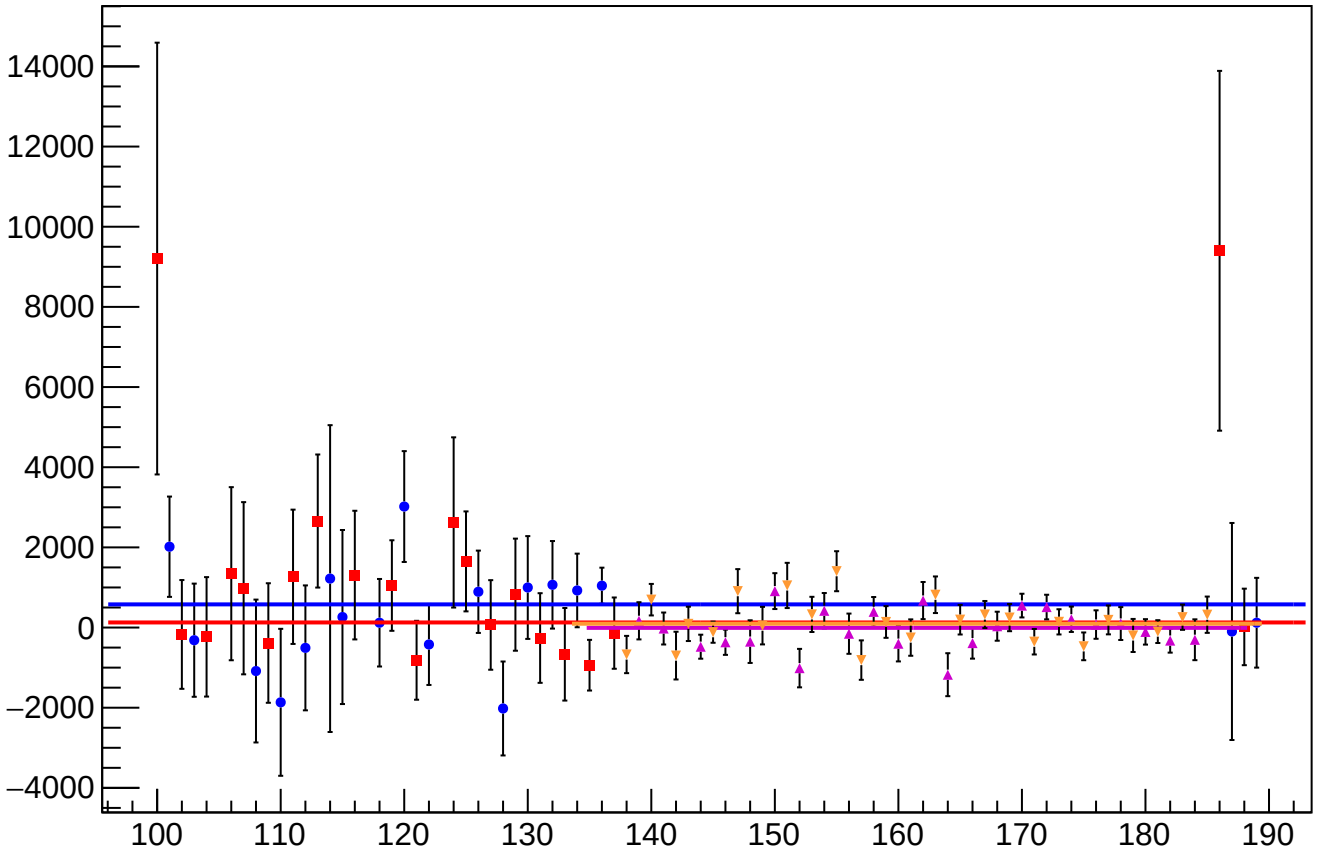
Right Out: 76.222+/-0.019 χ^2/NDF: 1011636.8/20

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 57.042+/-0.008 χ^2/NDF: 2015684.3/42

All: 57.441+/-0.006 χ^2/NDF: 4676698.7/86

- sign 57.859+/-0.008 χ^2/NDF: 2655762.7/43



Right In: 577.987+/-258.353 χ^2/NDF: 15.9/17

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

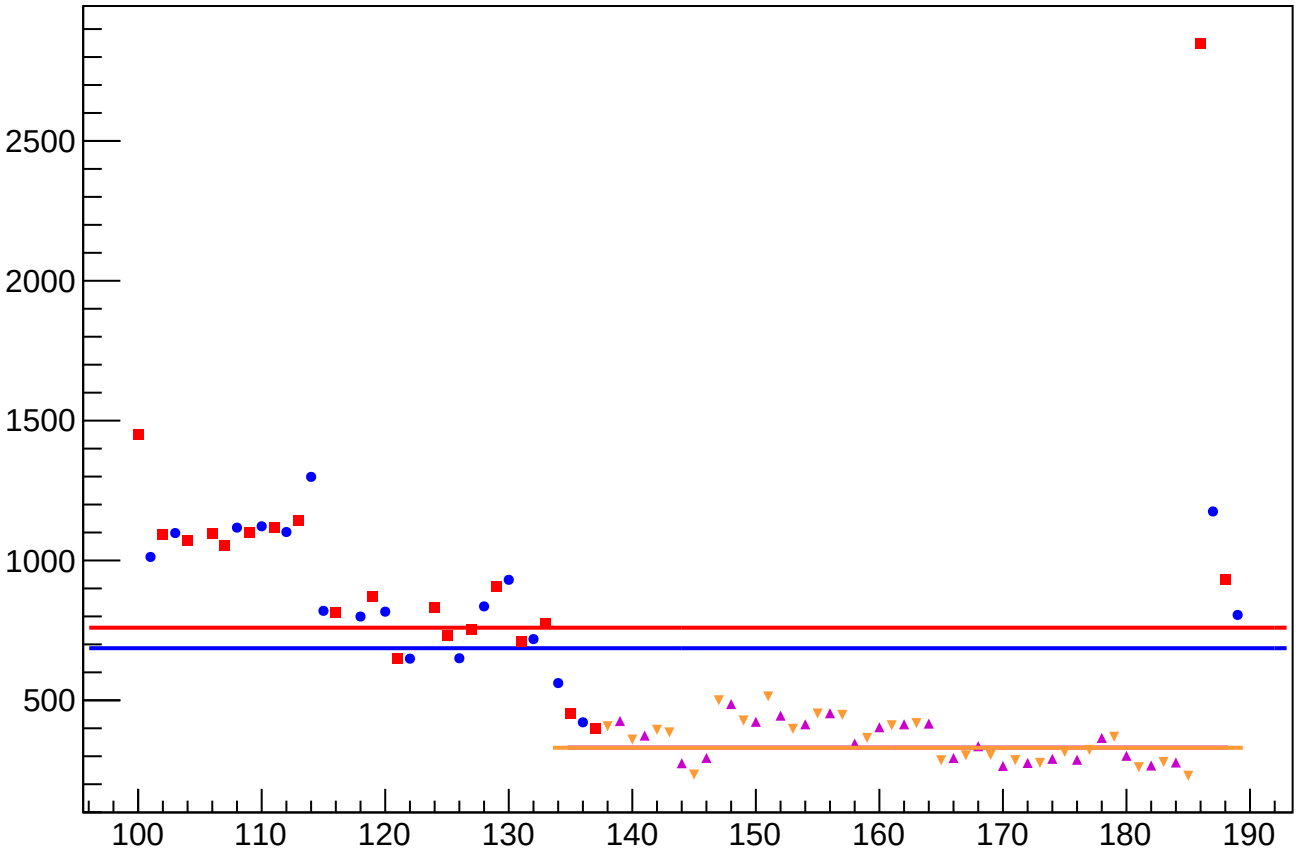
Right Out: 126.975+/-272.435 χ^2/NDF: 19.4/20

Left In: -7.875+/-79.125 χ^2/NDF:32.3/22

+ sign 134.950+/-73.910 χ^2/NDF: 52.3/42

All: 70.614+/-52.981 χ^2/NDF: 105.8/86

- sign 2.615+/-75.985 χ^2/NDF: 51.9/43



Right In: 686.330+/-0.183 χ^2/NDF: 1709110.3/17

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 759.673+/-0.193 χ^2/NDF: 2009109.0/20

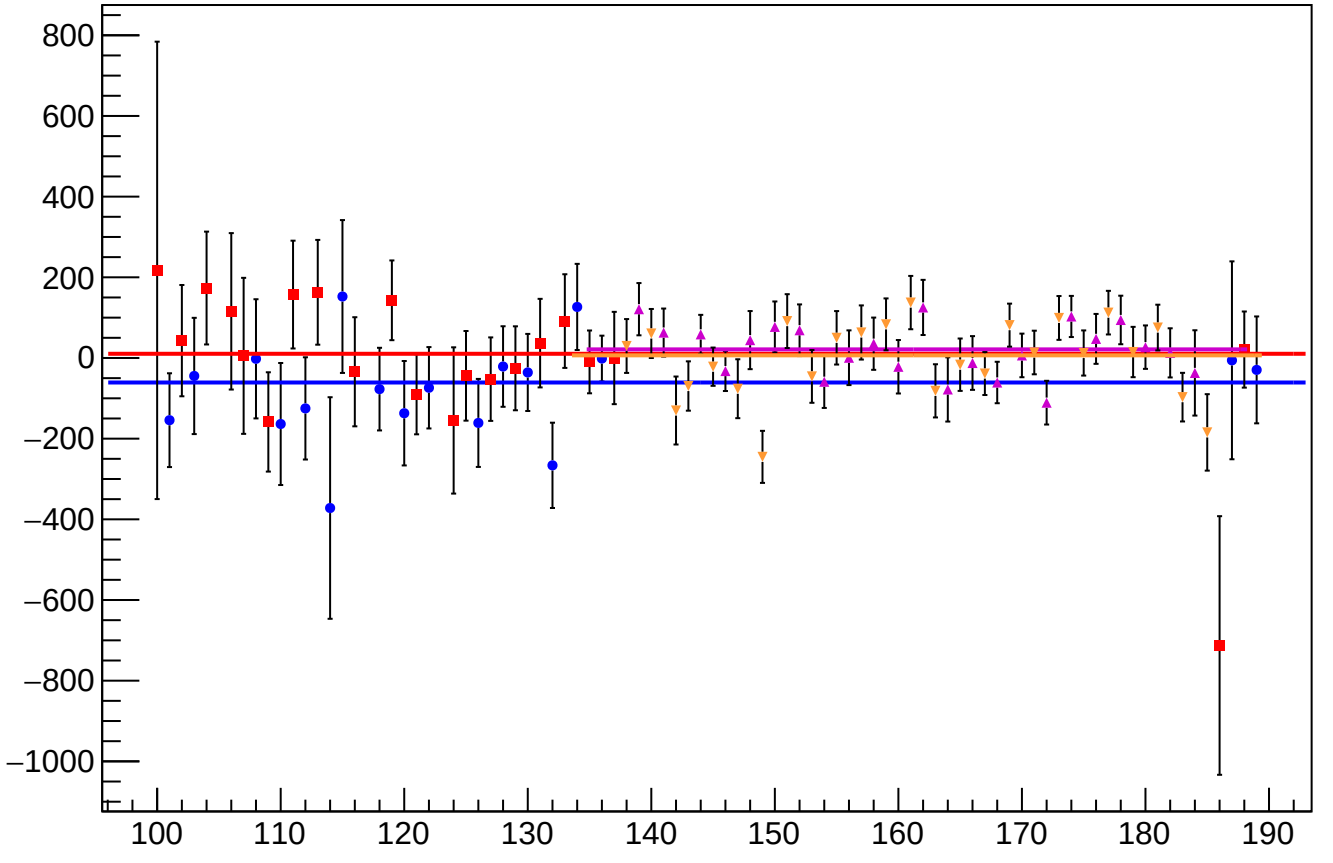
Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 359.535+/-0.052 χ^2/NDF: 6946833.7/42

All: 361.901+/-0.037 χ^2/NDF: 14851029.9/86

- sign 364.401+/-0.054 χ^2/NDF: 7899982.0/43

eigen_cor_asym_sam_15_26_dd_mean vs Slug



Right In: -60.794+/-26.501 χ^2/NDF: 13.6/17

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: 10.407+/-26.561 χ^2/NDF: 16.5/20

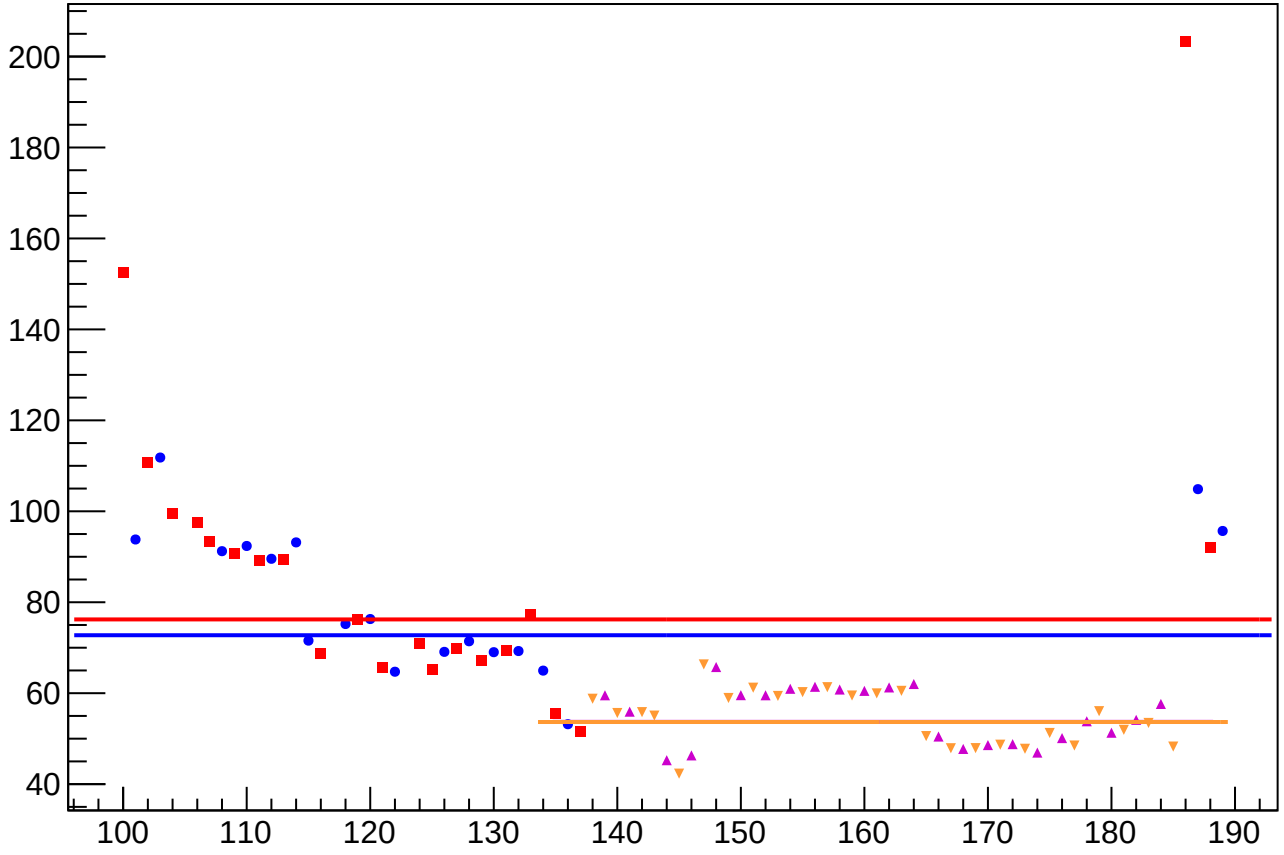
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

+ sign -5.386+/-11.147 χ^2/NDF: 69.5/42

All: 6.665+/-7.977 χ^2/NDF: 113.9/86

- sign 19.314+/-11.420 χ^2/NDF: 42.0/43

eigen_cor_asym_sam_15_26_dd_rms vs Slug



Right In: 72.746+/-0.019 χ^2/NDF: 690133.8/17

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

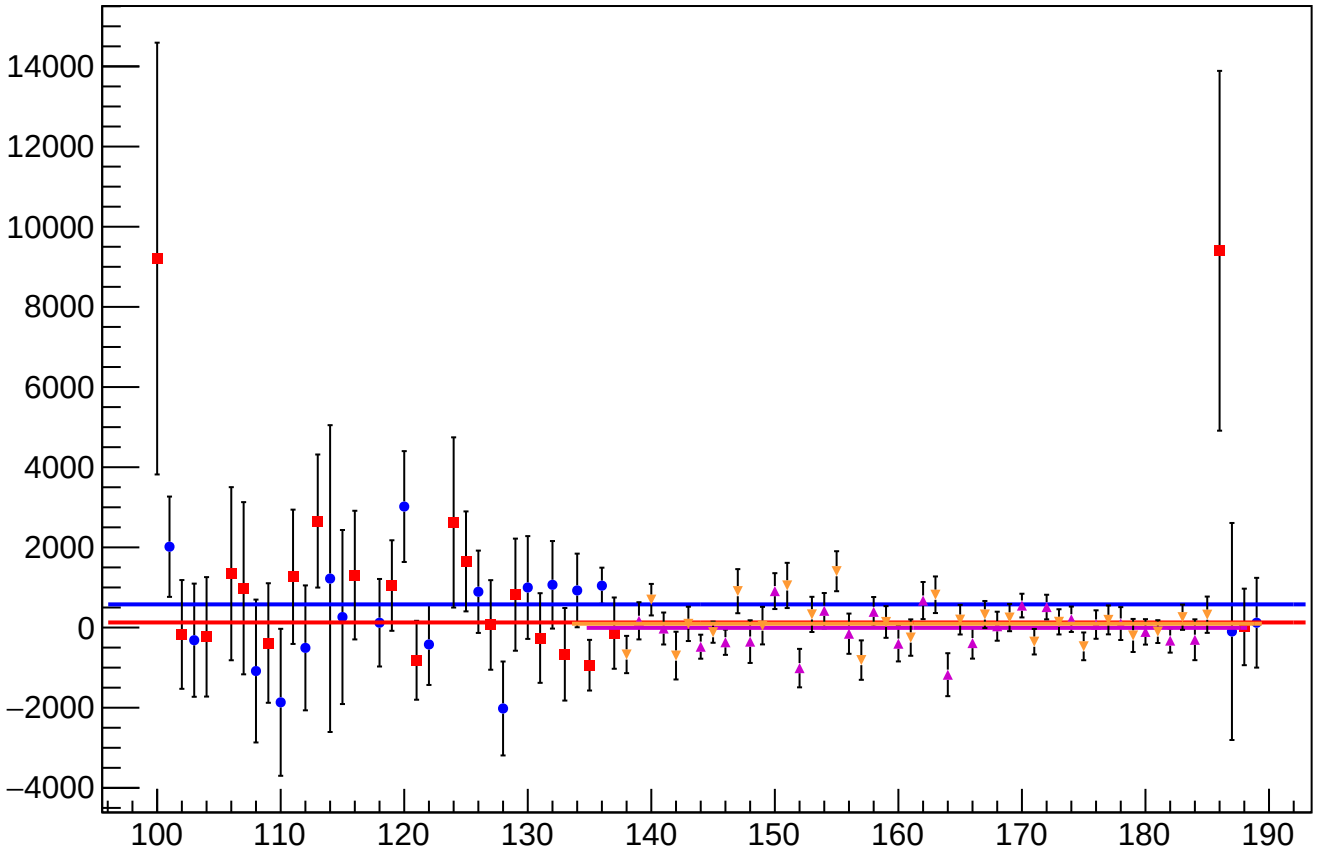
Right Out: 76.222+/-0.019 χ^2/NDF: 1011636.8/20

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 57.042+/-0.008 χ^2/NDF: 2015684.3/42

All: 57.441+/-0.006 χ^2/NDF: 4676698.7/86

- sign 57.859+/-0.008 χ^2/NDF: 2655762.7/43



Right In: 577.987+/-258.353 χ^2/NDF: 15.9/17

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

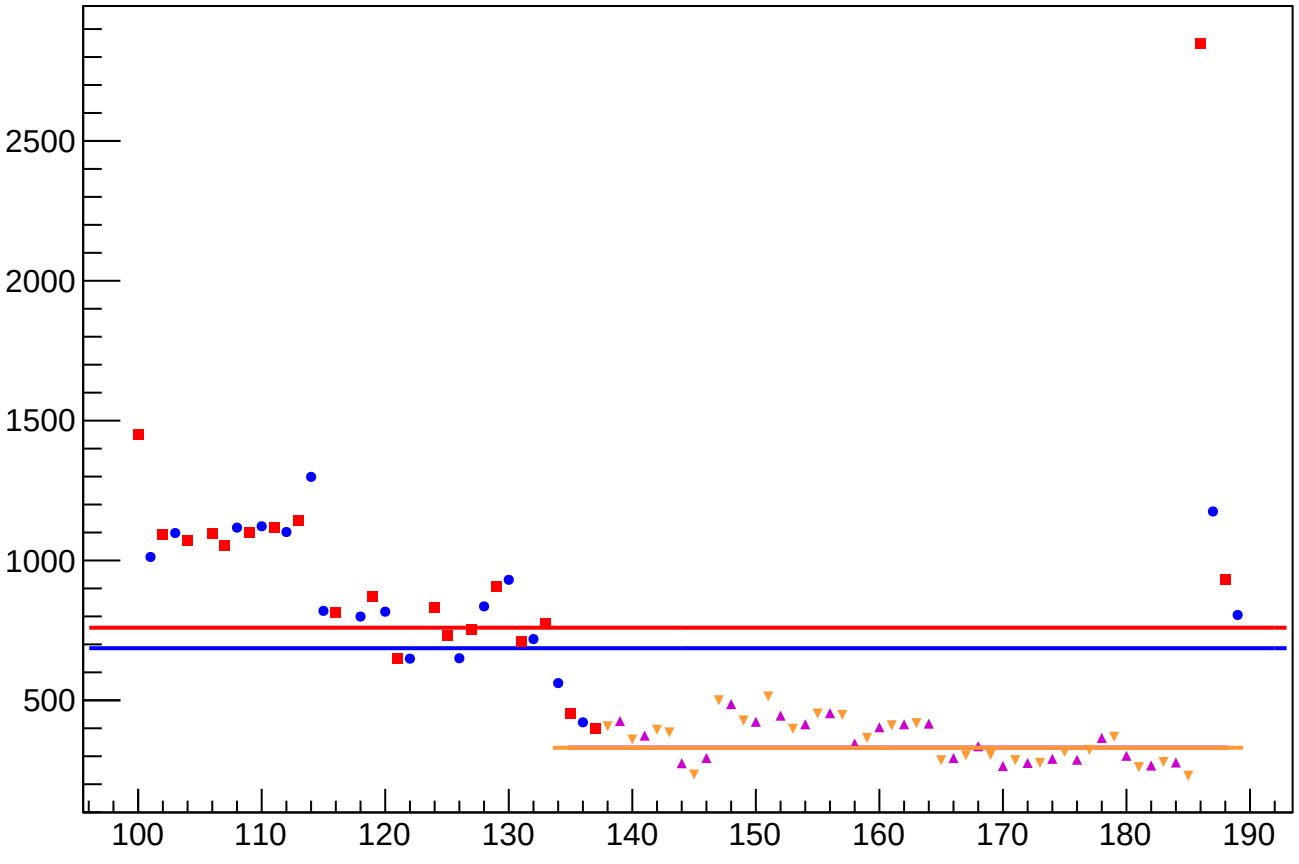
Right Out: 126.975+/-272.435 χ^2/NDF: 19.4/20

Left In: -7.875+/-79.125 χ^2/NDF:32.3/22

+ sign 134.950+/-73.910 χ^2/NDF: 52.3/42

All: 70.614+/-52.981 χ^2/NDF: 105.8/86

- sign 2.615+/-75.985 χ^2/NDF: 51.9/43



Right In: 686.330+/-0.183 χ^2/NDF: 1709110.3/17

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 759.673+/-0.193 χ^2/NDF: 2009109.0/20

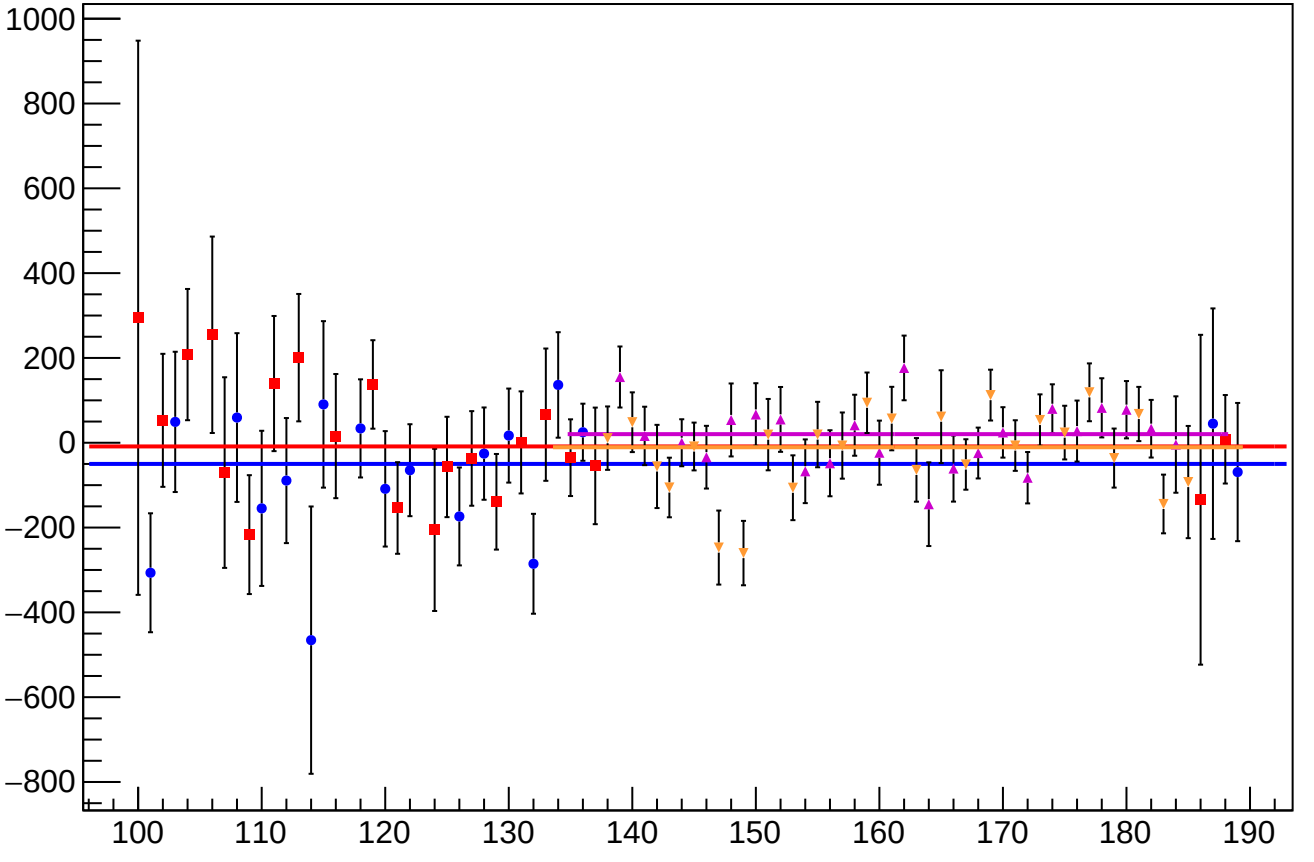
Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 359.535+/-0.052 χ^2/NDF: 6946833.7/42

All: 361.901+/-0.037 χ^2/NDF: 14851029.9/86

- sign 364.401+/-0.054 χ^2/NDF: 7899982.0/43

dit_asym_sam_15_26_dd_mean vs Slug



Right In: -49.923+/-30.322 χ^2/NDF: 16.6/17

Left Out: -10.614+/-14.311 χ^2/NDF:42.2/24

Right Out: -8.680+/-29.835 χ^2/NDF: 15.7/20

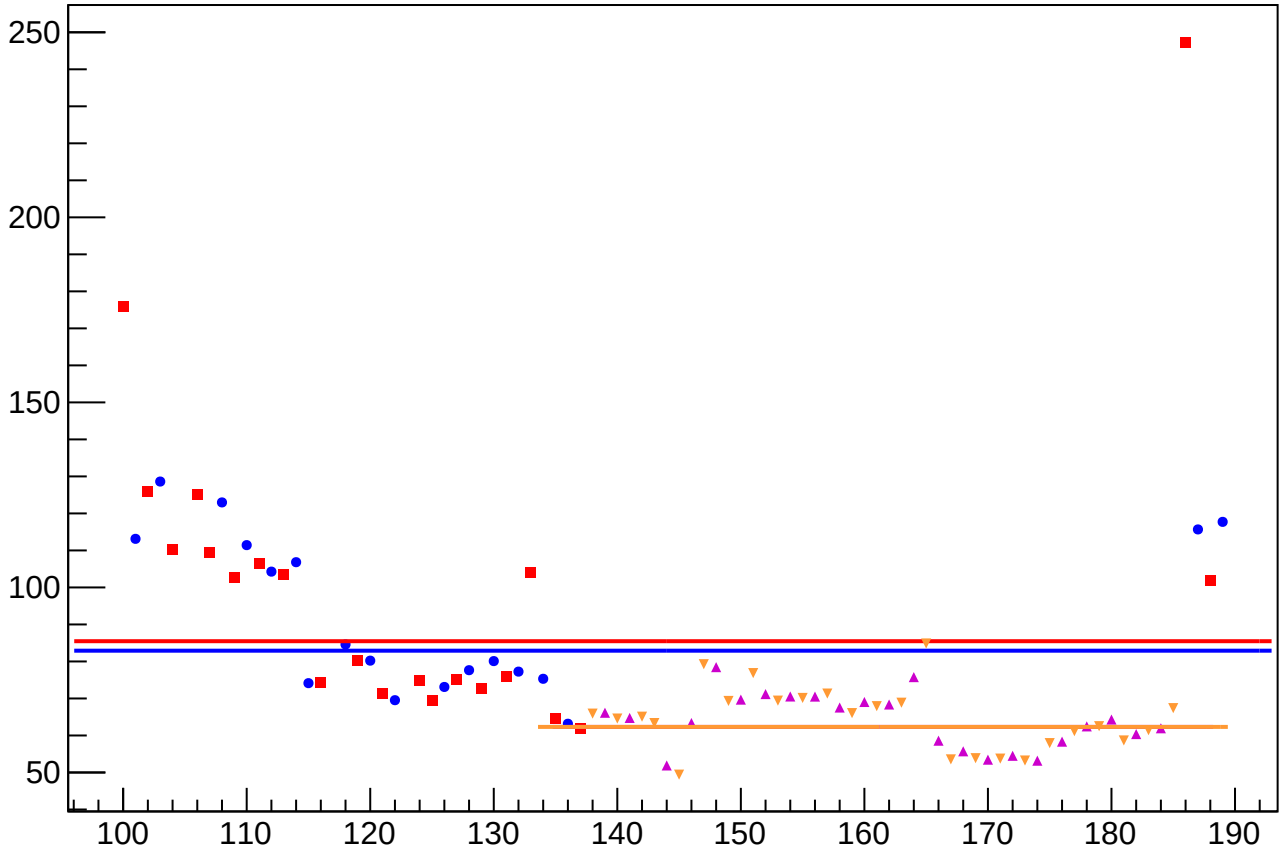
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

+ sign -17.775+/-12.942 χ^2/NDF: 60.1/42

All: -1.928+/-9.249 χ^2/NDF: 101.3/86

- sign 14.613+/-13.222 χ^2/NDF: 38.1/43

dit_asym_sam_15_26_dd_rms vs Slug



Right In: 82.910+/-0.021 χ^2/NDF: 789090.7/17

Left Out: 62.316+/-0.010 χ^2/NDF:636269.1/24

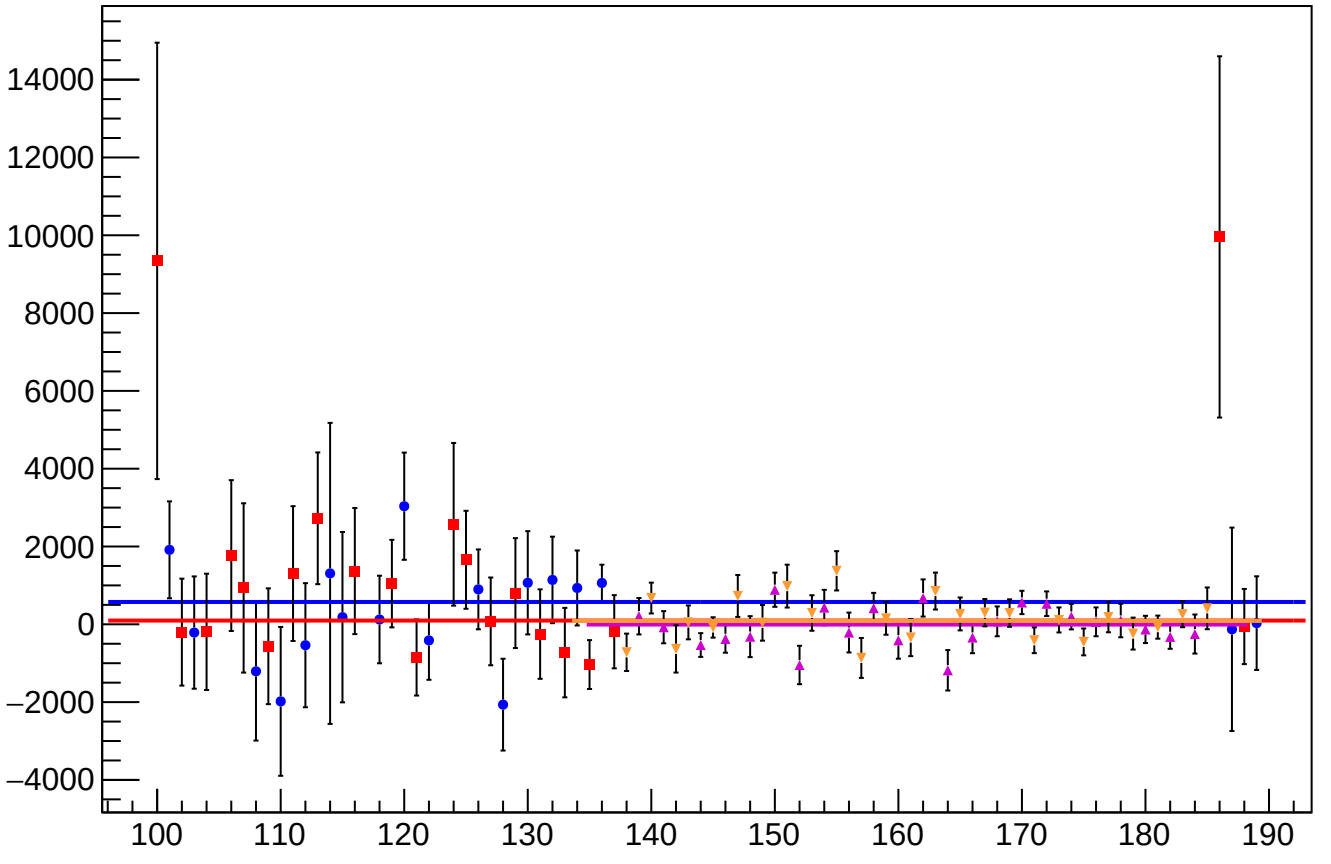
Right Out: 85.473+/-0.021 χ^2/NDF: 1137757.5/20

Left In: 62.310+/-0.010 χ^2/NDF:484549.5/22

+ sign 66.068+/-0.009 χ^2/NDF: 2179857.5/42

All: 66.455+/-0.007 χ^2/NDF: 4774576.4/86

- sign 66.860+/-0.009 χ^2/NDF: 2591053.2/43



Right In: 574.458+/-265.761 χ^2/NDF: 16.1/17

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: 96.437+/-274.496 χ^2/NDF: 20.7/20

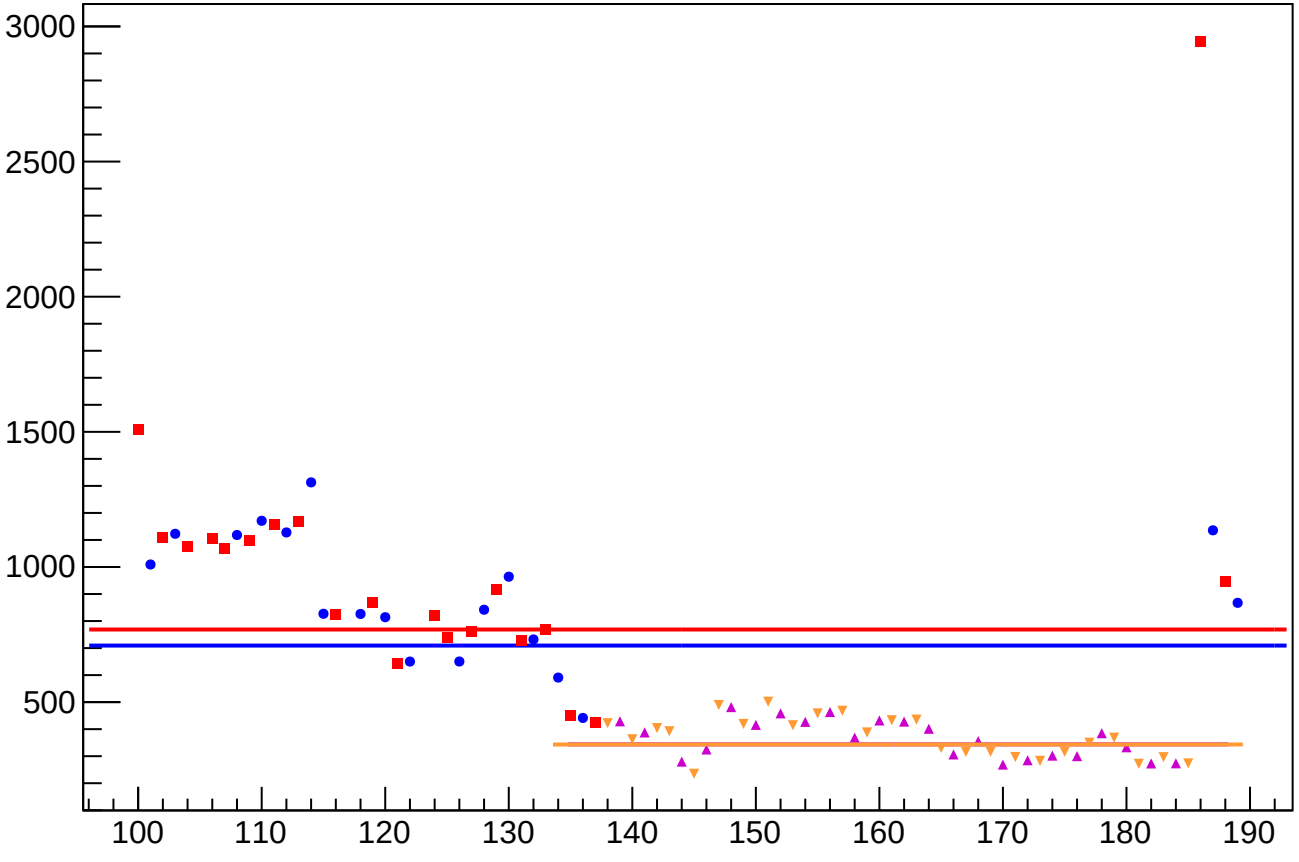
Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

+ sign 127.335+/-76.461 χ^2/NDF: 50.8/42

All: 66.428+/-54.829 χ^2/NDF: 105.4/86

- sign 1.957+/-78.666 χ^2/NDF: 53.3/43

asym_sam_15_26_dd_dit_correction_rms vs Slug



Right In: 709.254+/-0.188 χ^2/NDF: 1607666.0/17

Left Out: 343.225+/-0.056 χ^2/NDF:1595394.3/24

Right Out: 768.700+/-0.194 χ^2/NDF: 2017736.8/20

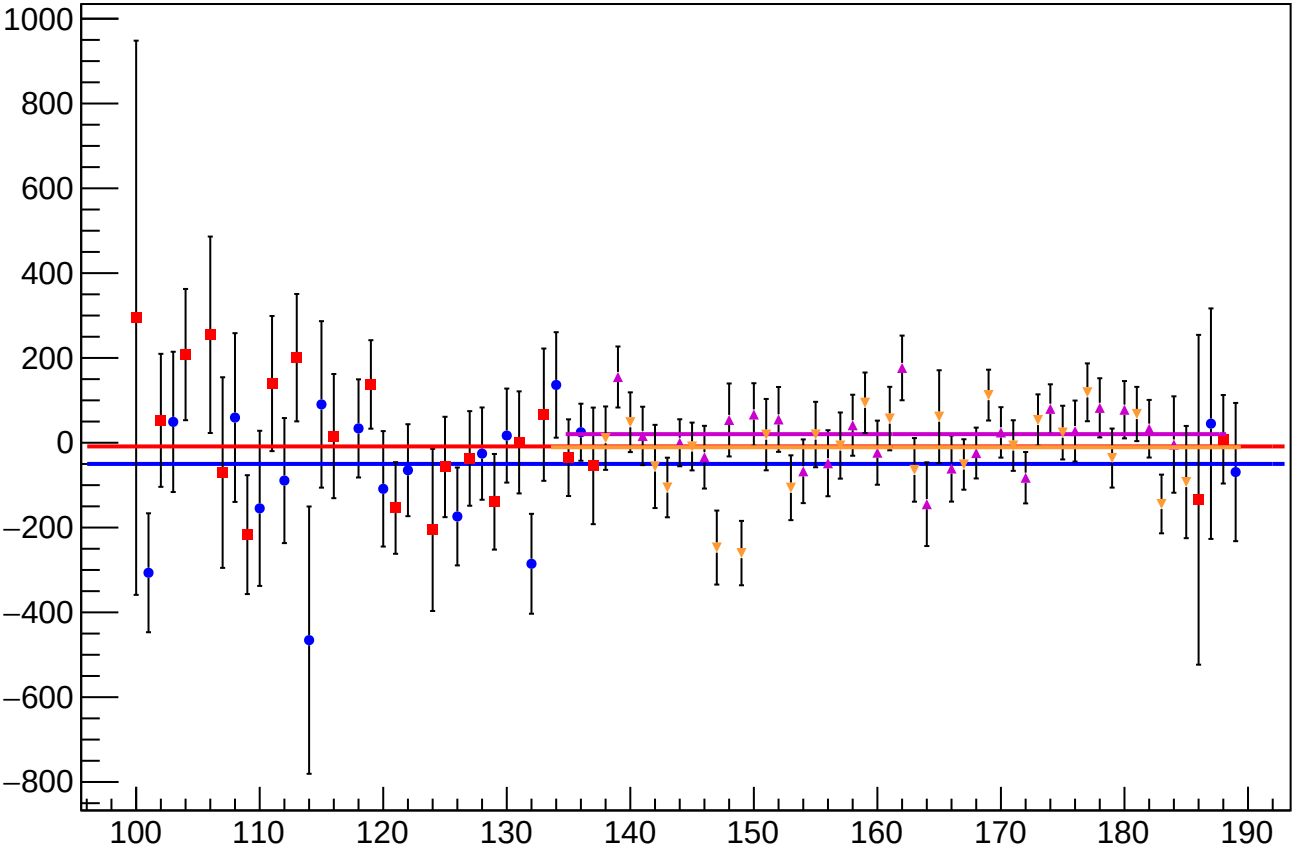
Left In: 343.717+/-0.058 χ^2/NDF:1258376.8/22

+ sign 373.523+/-0.054 χ^2/NDF: 6682869.4/42

All: 376.000+/-0.039 χ^2/NDF: 14363603.8/86

- sign 378.621+/-0.056 χ^2/NDF: 7676414.8/43

eigen_dit_asym_sam_15_26_dd_mean vs Slug



Right In: -49.923+/-30.322 χ^2/NDF: 16.6/17

Left Out: -10.613+/-14.311 χ^2/NDF:42.2/24

Right Out: -8.680+/-29.835 χ^2/NDF: 15.7/20

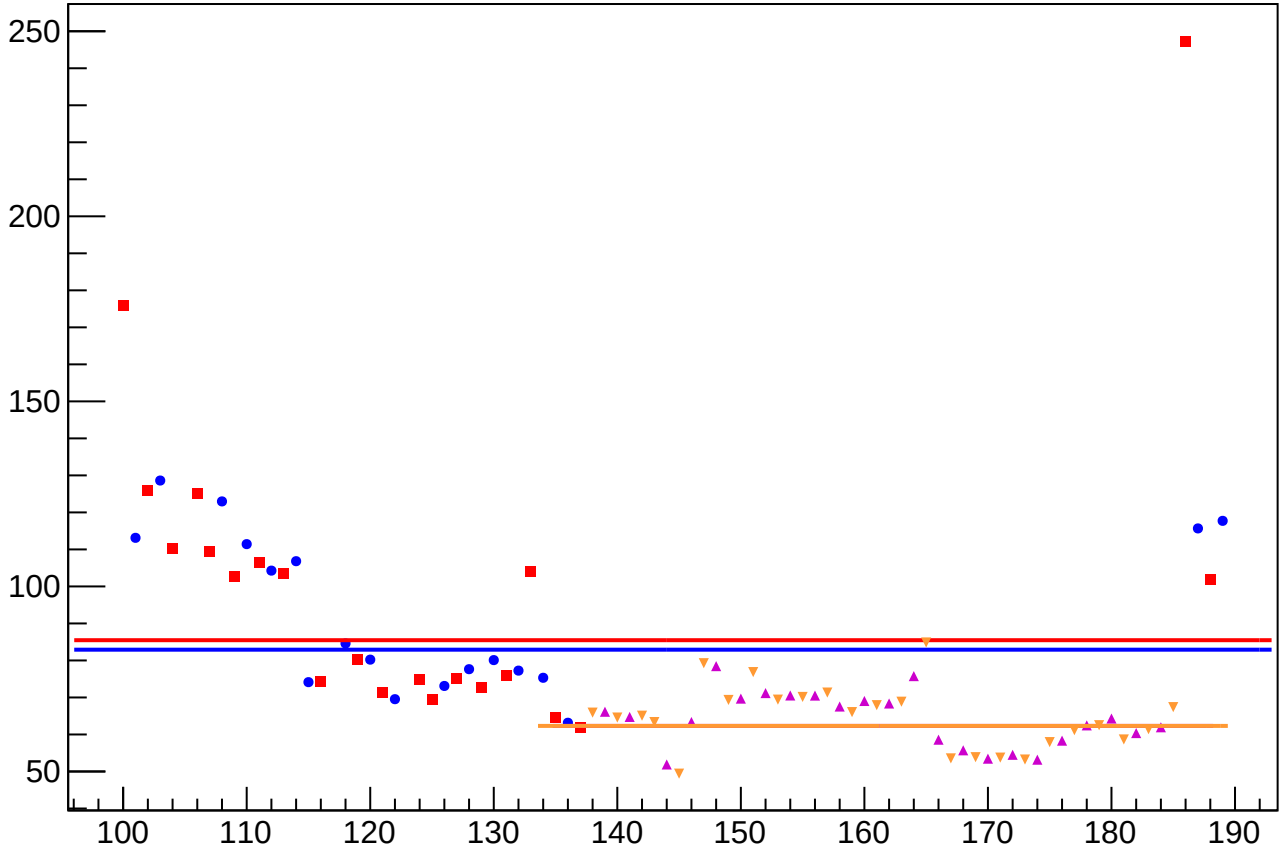
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

+ sign -17.774+/-12.942 χ^2/NDF: 60.1/42

All: -1.928+/-9.249 χ^2/NDF: 101.3/86

- sign 14.612+/-13.222 χ^2/NDF: 38.1/43

eigen_dit_asym_sam_15_26_dd_rms vs Slug



Right In: 82.910+/-0.021 χ^2/NDF: 789087.7/17

Left Out: 62.316+/-0.010 χ^2/NDF:636268.2/24

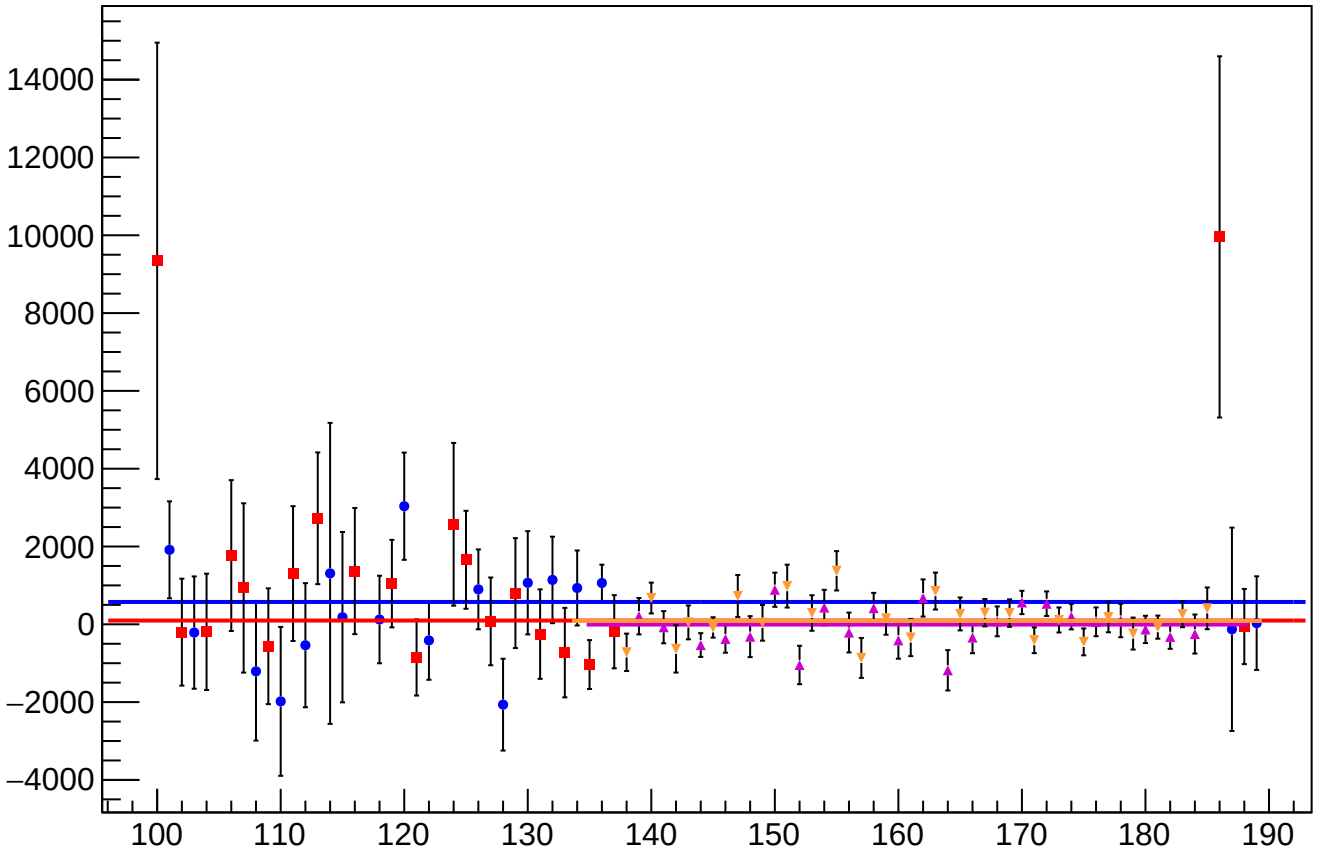
Right Out: 85.473+/-0.021 χ^2/NDF: 1137737.4/20

Left In: 62.311+/-0.010 χ^2/NDF:484544.3/22

+ sign 66.068+/-0.009 χ^2/NDF: 2179822.0/42

All: 66.455+/-0.007 χ^2/NDF: 4774483.3/86

- sign 66.860+/-0.009 χ^2/NDF: 2590994.3/43



Right In: 574.458+/-265.761 χ^2/NDF: 16.1/17

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

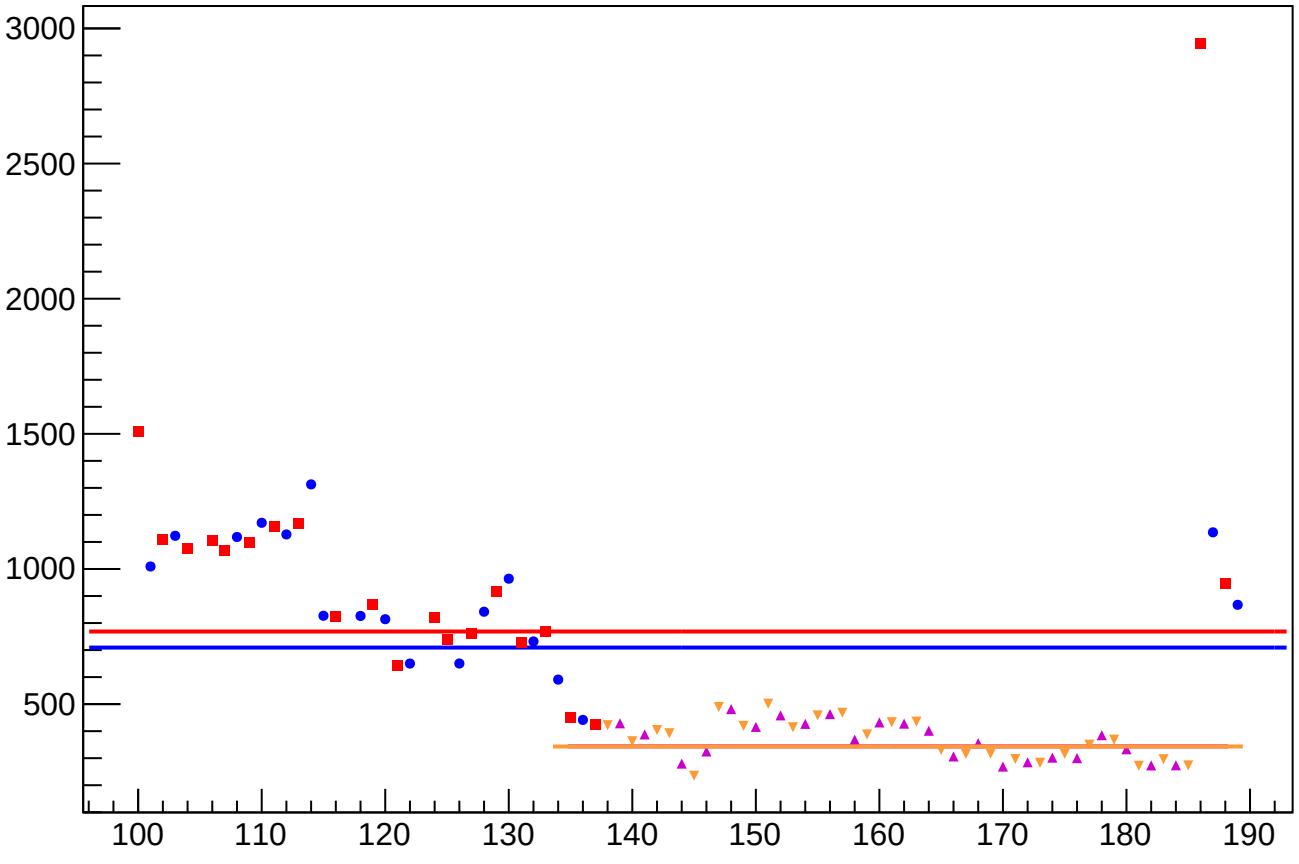
Right Out: 96.438+/-274.495 χ^2/NDF: 20.7/20

Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

+ sign 127.335+/-76.461 χ^2/NDF: 50.8/42

All: 66.428+/-54.829 χ^2/NDF: 105.4/86

- sign 1.957+/-78.666 χ^2/NDF: 53.3/43



Right In: 709.253+/-0.188 χ^2/NDF: 1607651.3/17

Left Out: 343.225+/-0.056 χ^2/NDF:1595415.4/24

Right Out: 768.699+/-0.194 χ^2/NDF: 2017725.2/20

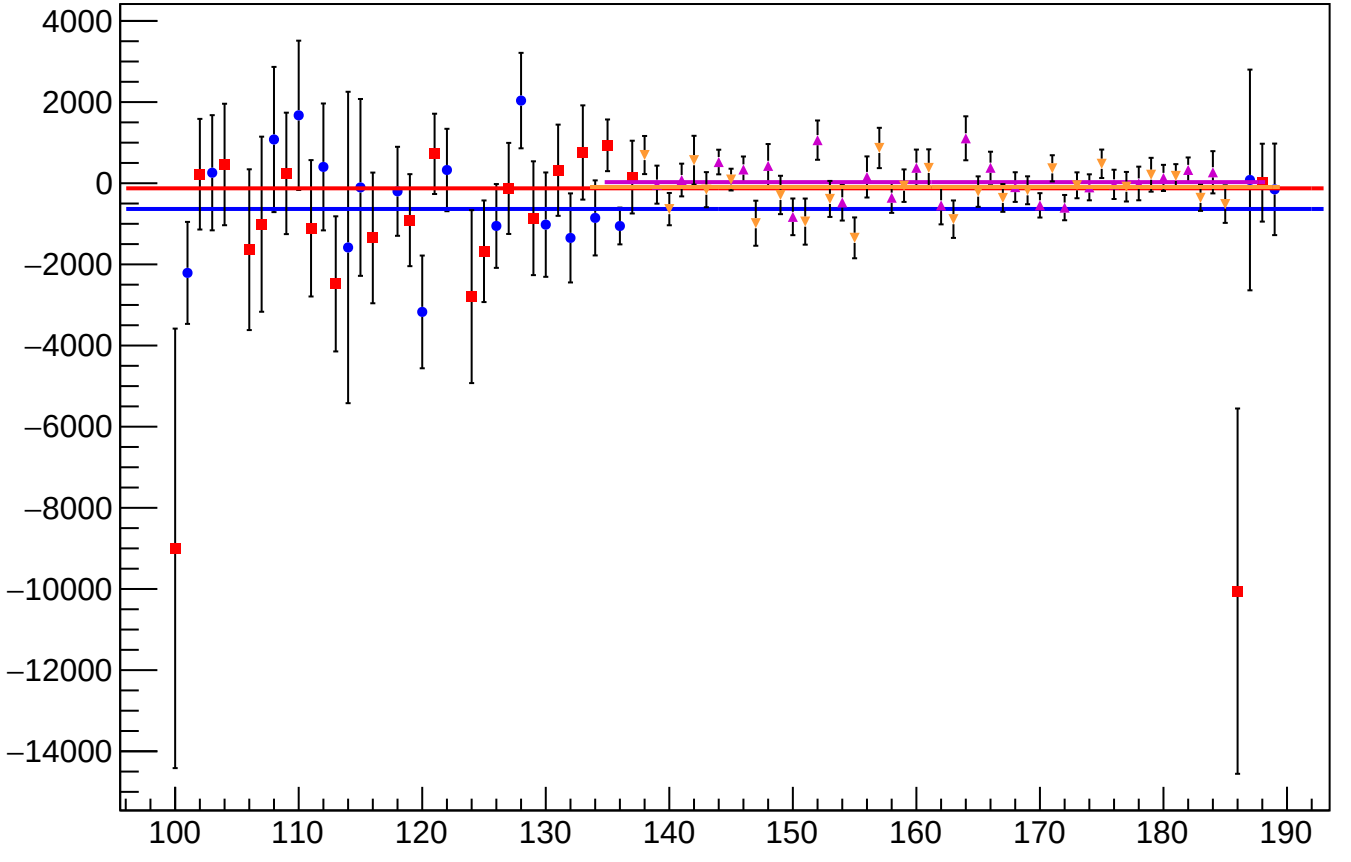
Left In: 343.717+/-0.058 χ^2/NDF:1258392.0/22

+ sign 373.523+/-0.054 χ^2/NDF: 6682869.3/42

All: 376.000+/-0.039 χ^2/NDF: 14363596.5/86

- sign 378.621+/-0.056 χ^2/NDF: 7676407.3/43

asym_sam_15_26_dd_mean vs Slug



Right In: -634.155+/-259.963 χ^2/NDF: 16.4/17

Left Out: -92.671+/-78.184 χ^2/NDF:34.2/24

Right Out: -125.656+/-273.479 χ^2/NDF: 19.7/20

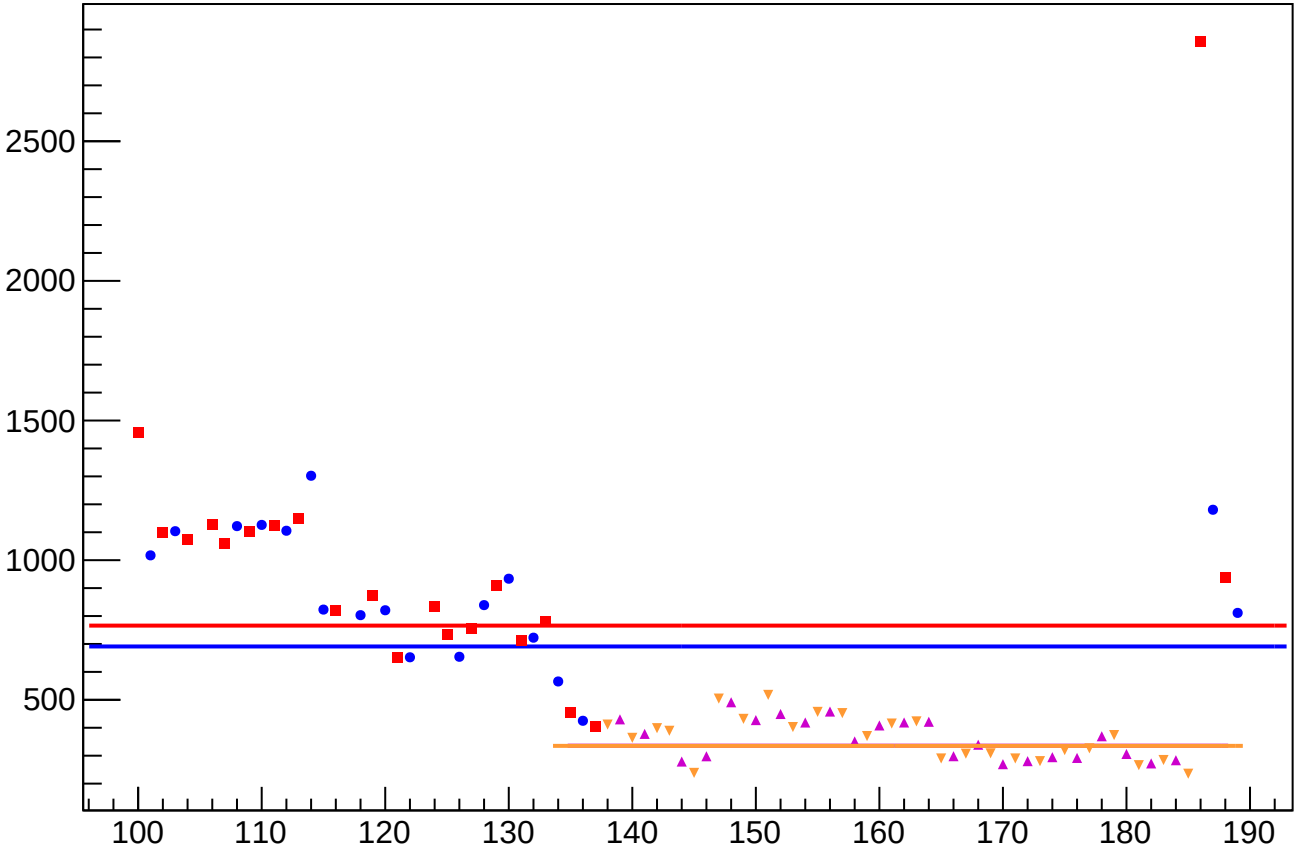
Left In: 27.173+/-80.207 χ^2/NDF:30.9/22

+ sign -137.586+/-74.871 χ^2/NDF: 54.6/42

All: -63.364+/-53.667 χ^2/NDF: 107.5/86

- sign 15.069+/-76.966 χ^2/NDF: 50.9/43

asym_sam_15_26_dd_rms vs Slug



Right In: 691.047+/-0.184 χ^2/NDF: 1692144.0/17

Left Out: 335.150+/-0.055 χ^2/NDF:1706014.2/24

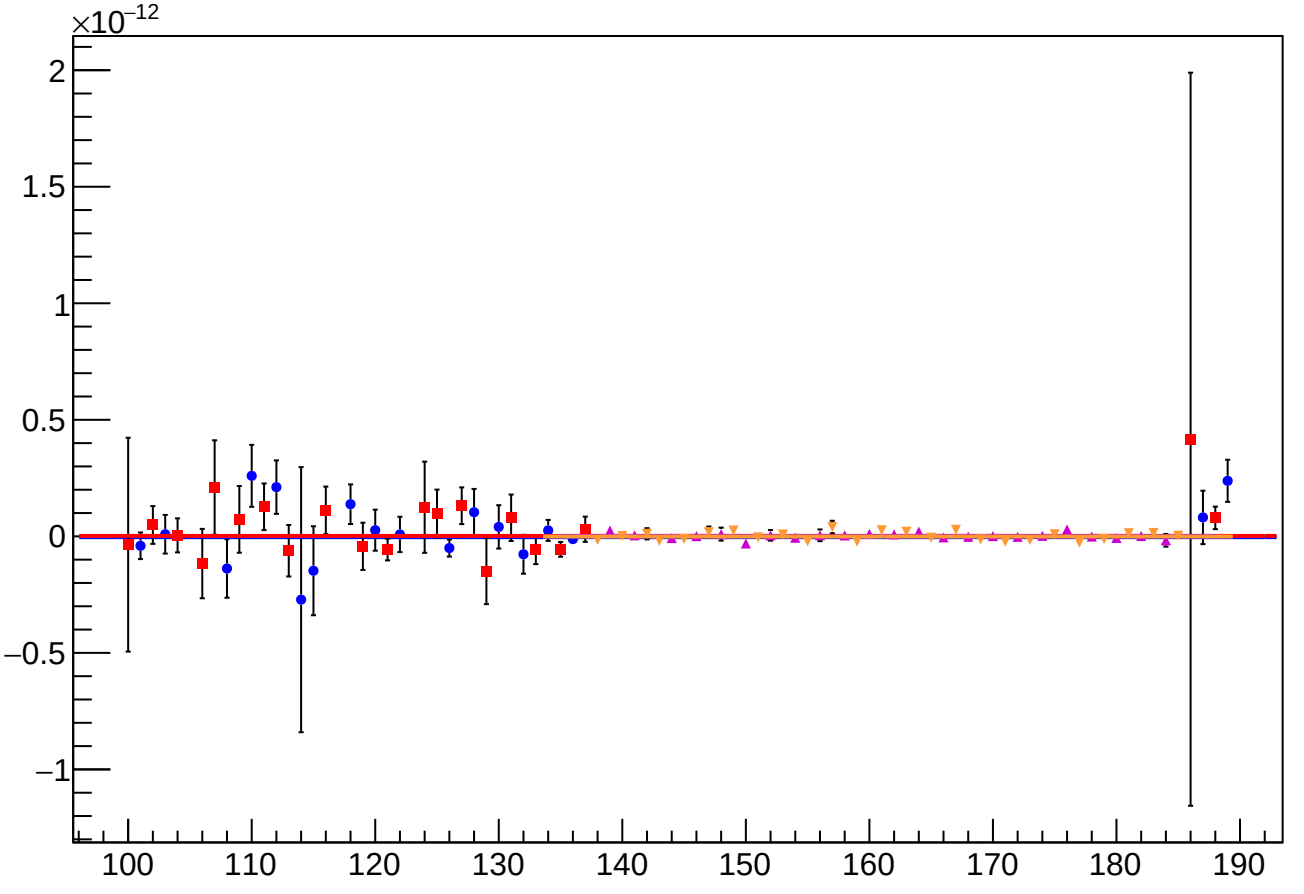
Right Out: 765.727+/-0.193 χ^2/NDF: 2013476.8/20

Left In: 335.787+/-0.057 χ^2/NDF:1291376.5/22

+ sign 364.671+/-0.053 χ^2/NDF: 6835708.9/42

All: 367.184+/-0.038 χ^2/NDF: 14696769.2/86

- sign 369.840+/-0.054 χ^2/NDF: 7856425.3/43



Right In: -0.000+/-0.000 χ^2/NDF: 25.0/17

Left Out: -0.000+/-0.000 χ^2/NDF:33.3/24

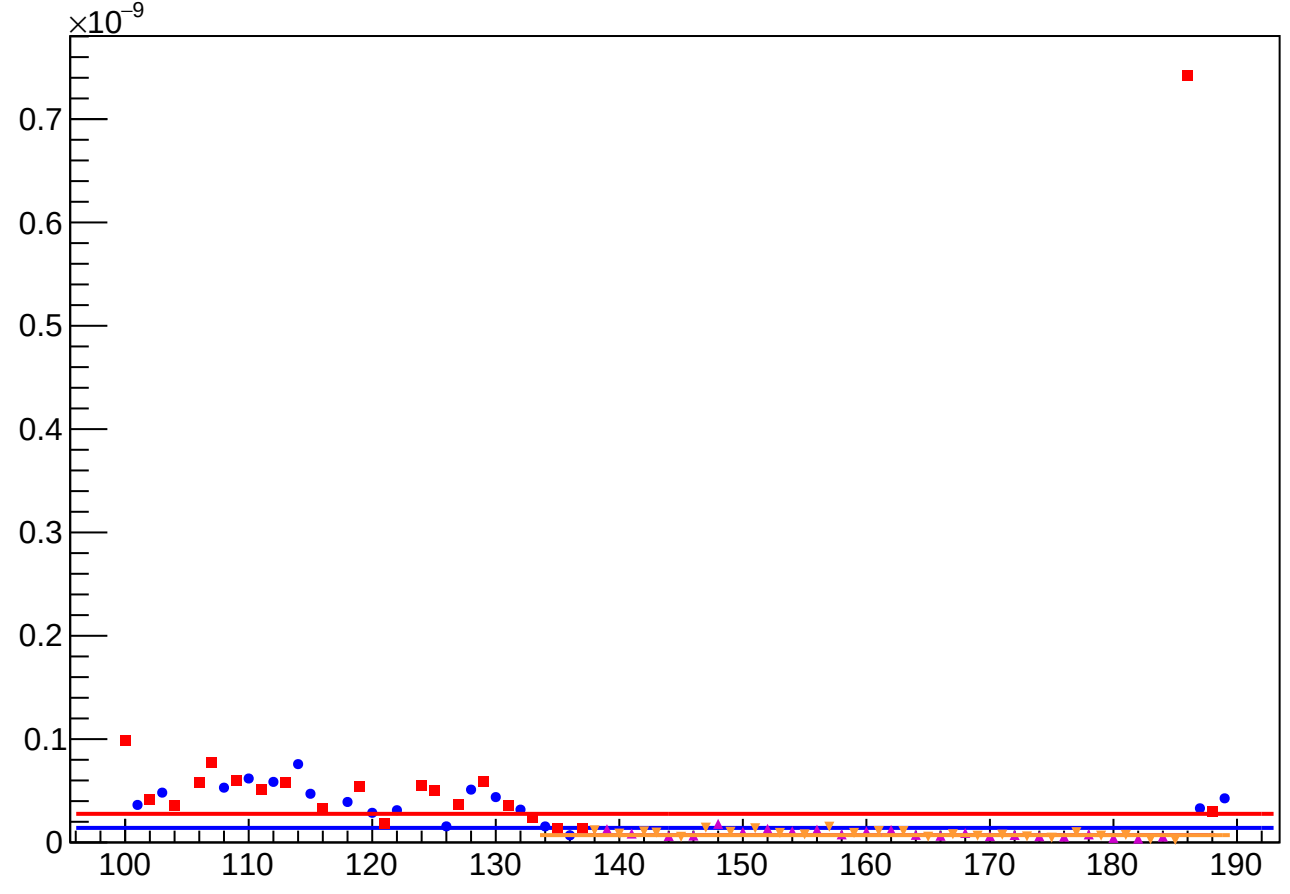
Right Out: 0.000+/-0.000 χ^2/NDF: 20.0/20

Left In: 0.000+/-0.000 χ^2/NDF:14.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 58.4/42

All: 0.000+/-0.000 χ^2/NDF: 93.5/86

- sign 0.000+/-0.000 χ^2/NDF: 34.7/43



Right In: 0.000+/-0.000 χ^2/NDF: 3305922.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:2000233.5/24

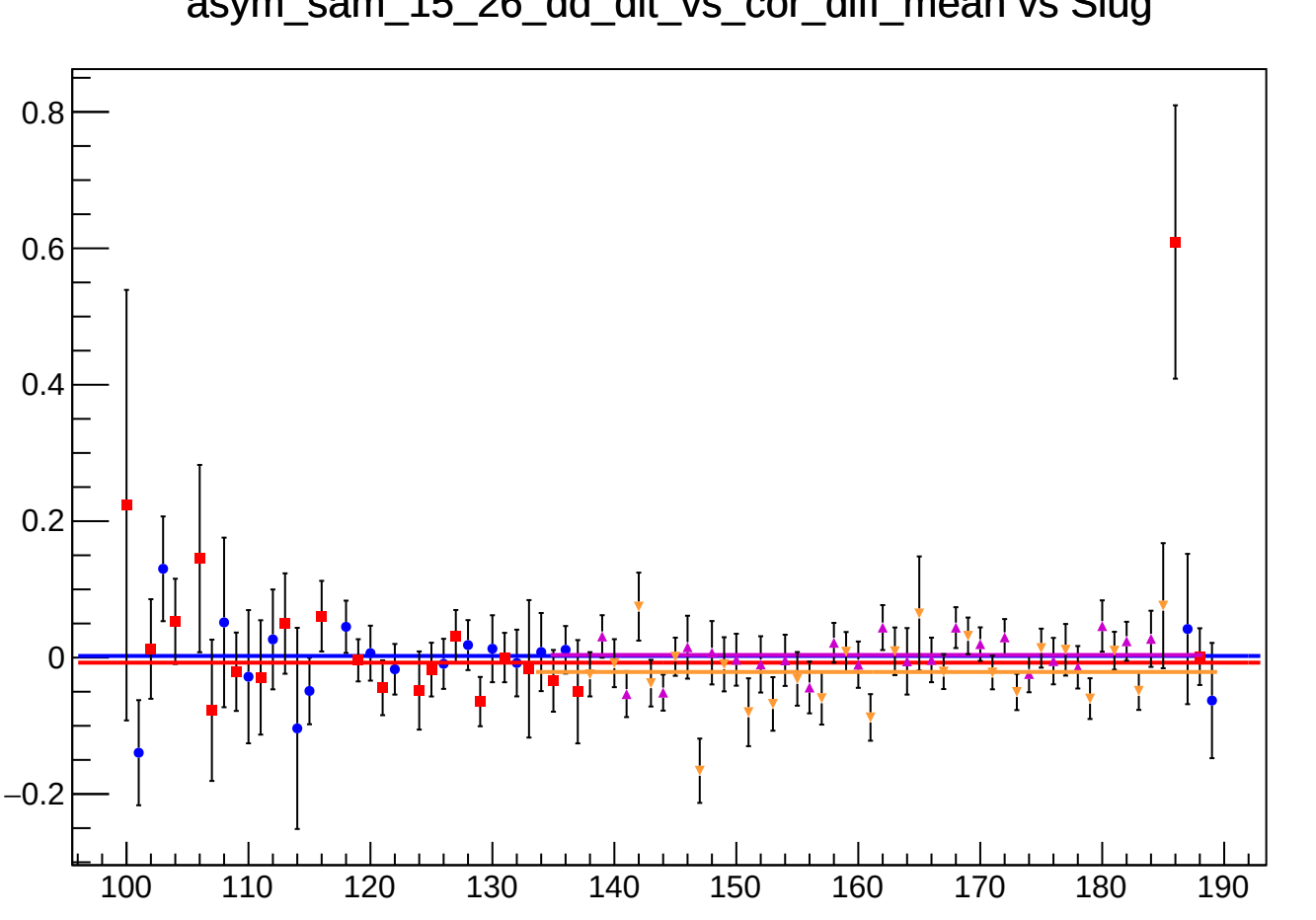
Right Out: 0.000+/-0.000 χ^2/NDF: 2155884.7/20

Left In: 0.000+/-0.000 χ^2/NDF:1604062.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 6157949.4/42

All: 0.000+/-0.000 χ^2/NDF: 12982707.6/86

- sign 0.000+/-0.000 χ^2/NDF: 6813528.5/43



Right In: 0.002+/-0.012 χ^2/NDF: 10.9/17

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: -0.007+/-0.011 χ^2/NDF: 20.8/20

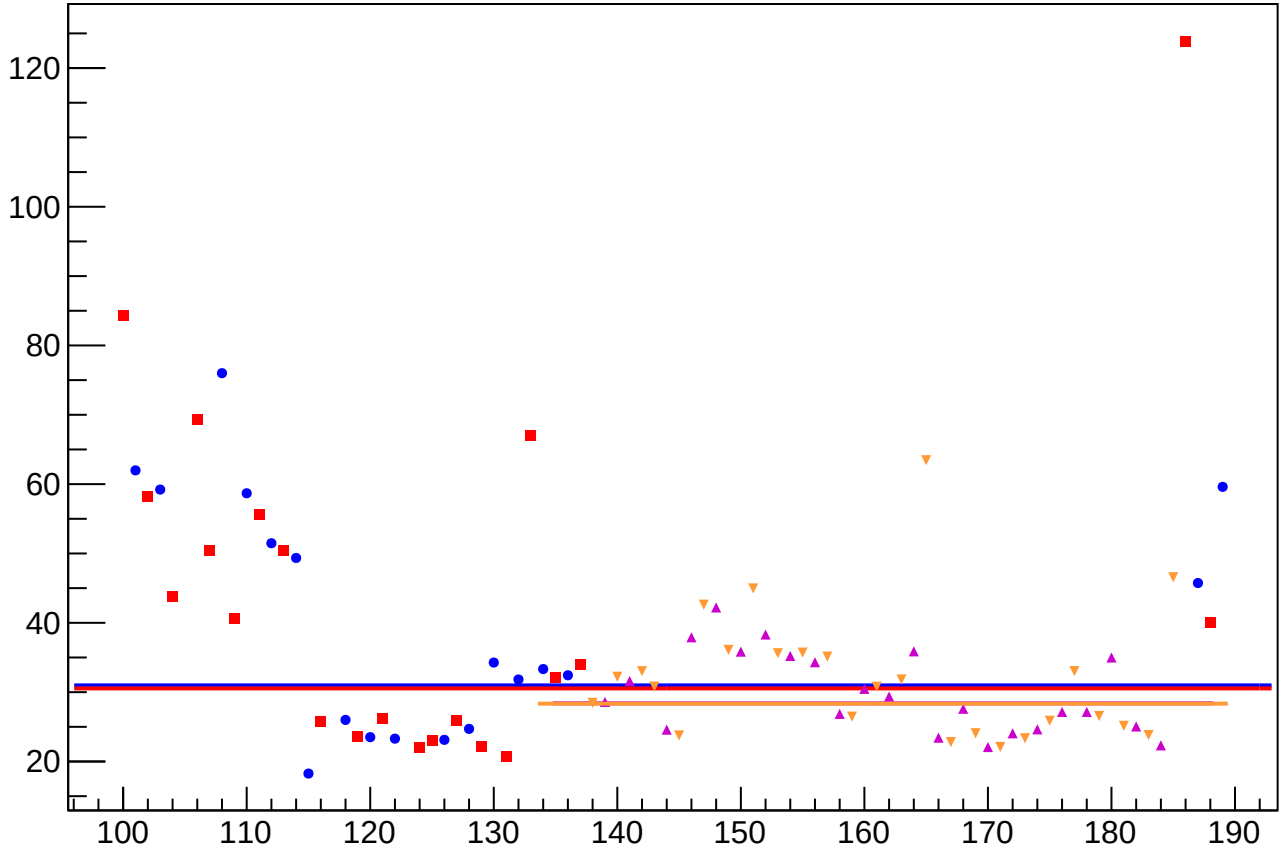
Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.016+/-0.006 χ^2/NDF: 50.9/42

All: -0.007+/-0.004 χ^2/NDF: 95.1/86

- sign 0.001+/-0.006 χ^2/NDF: 40.2/43

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 30.975+/-0.009 χ^2/NDF: 1961184.0/17

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

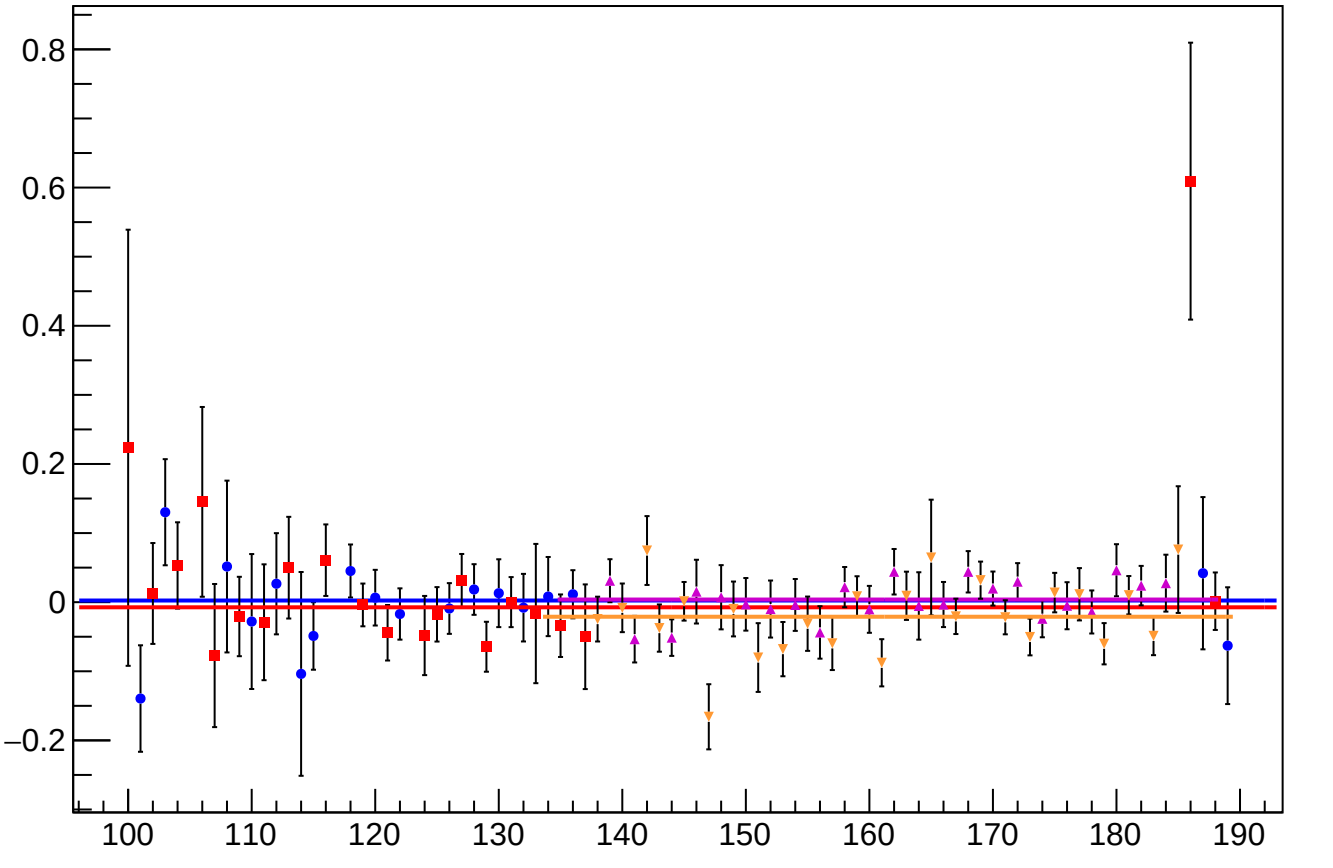
Right Out: 30.541+/-0.008 χ^2/NDF: 2402901.7/20

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

\+ sign 28.957+/-0.004 χ^2/NDF: 3767609.2/42

All: 28.961+/-0.003 χ^2/NDF: 7322028.9/86

\- sign 28.965+/-0.004 χ^2/NDF: 3554417.7/43



Right In: 0.002+/-0.012 χ^2/NDF: 10.9/17

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

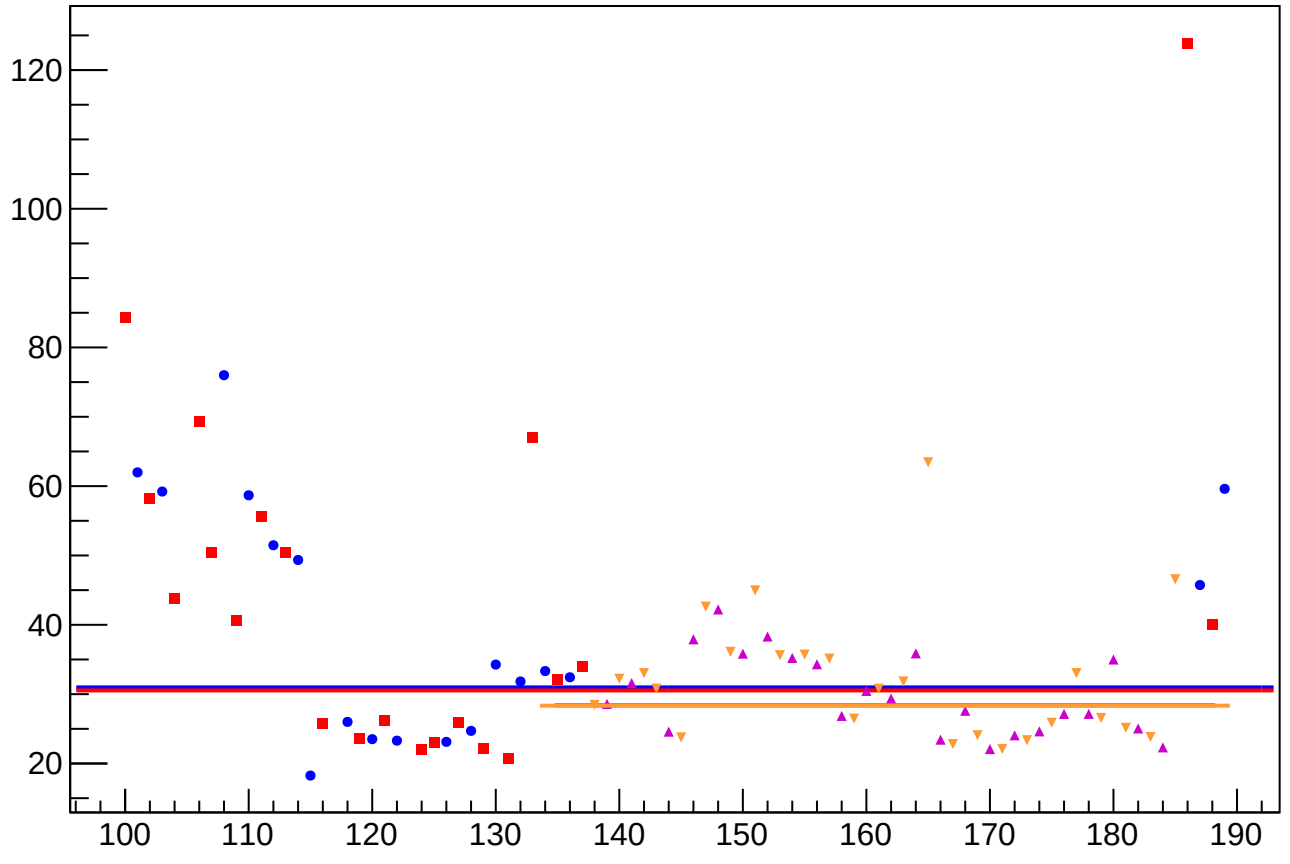
Right Out: -0.007+/-0.011 χ^2/NDF: 20.8/20

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.016+/-0.006 χ^2/NDF: 50.9/42

All: -0.007+/-0.004 χ^2/NDF: 95.1/86

- sign 0.001+/-0.006 χ^2/NDF: 40.2/43



Right In: 30.975+/-0.009 χ^2/NDF: 1961184.0/17

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

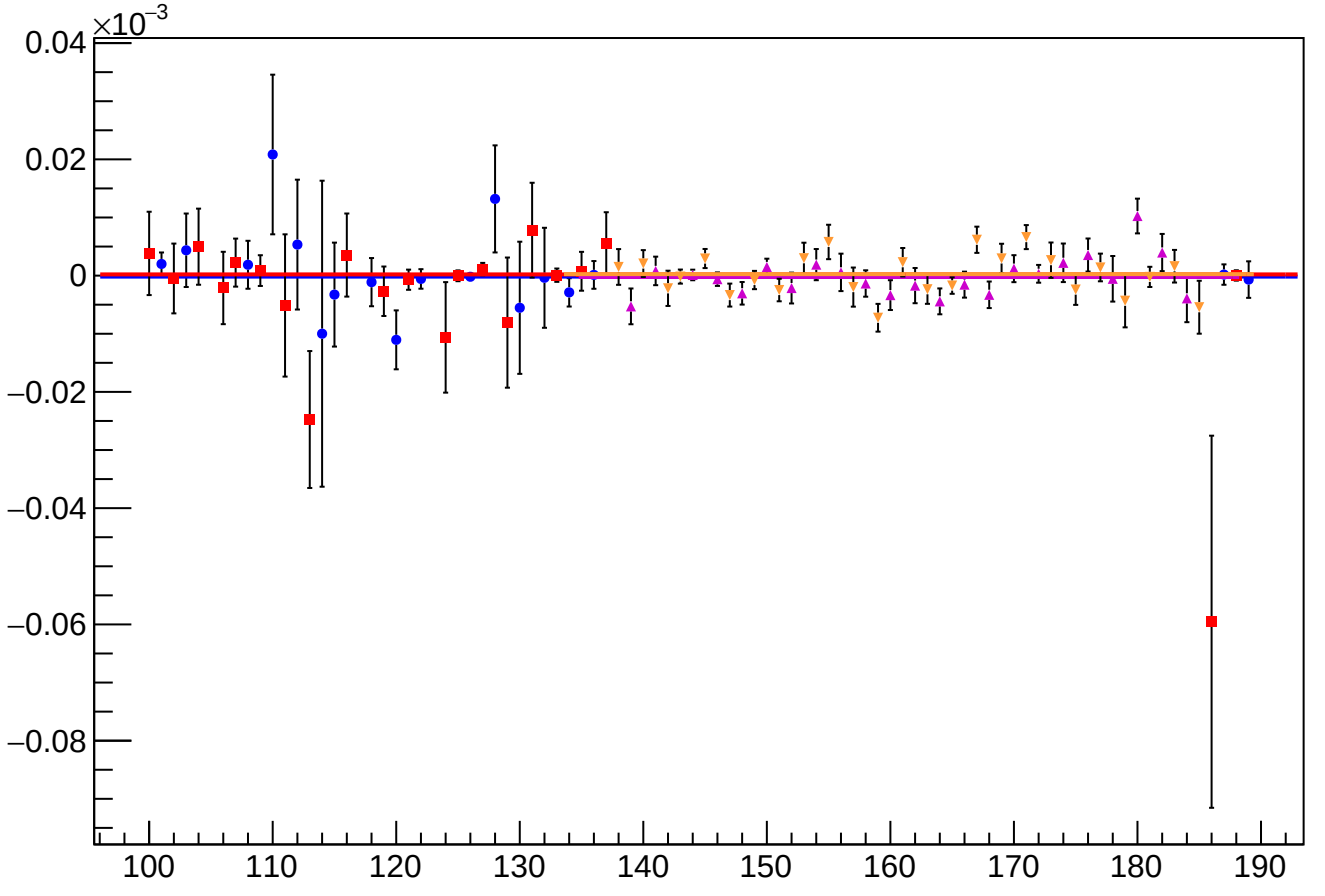
Right Out: 30.541+/-0.008 χ^2/NDF: 2402901.7/20

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

\+ sign 28.957+/-0.004 χ^2/NDF: 3767609.2/42

All: 28.961+/-0.003 χ^2/NDF: 7322028.9/86

\- sign 28.965+/-0.004 χ^2/NDF: 3554417.7/43



Right In: -0.000+/-0.000 χ^2/NDF: 13.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:50.8/24

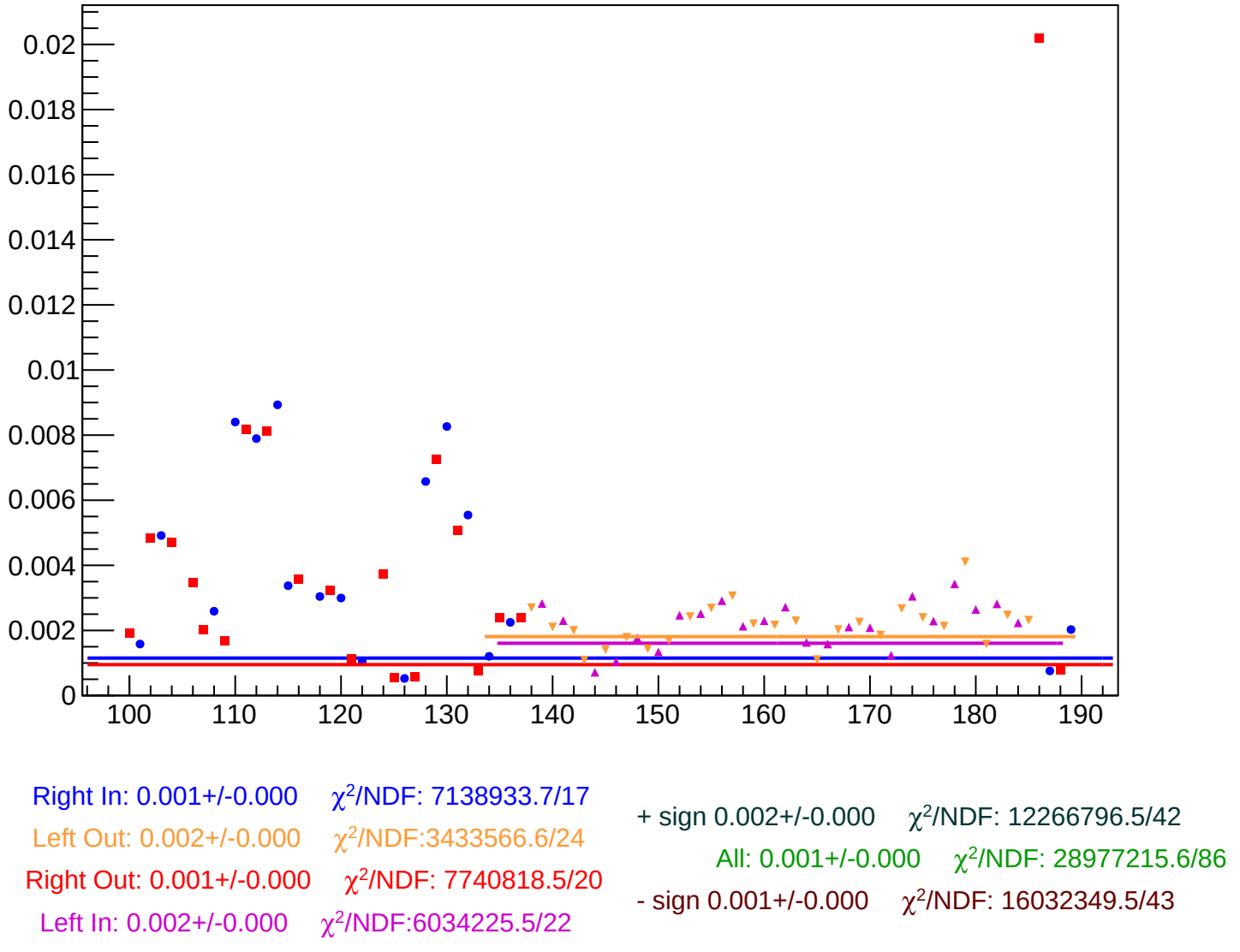
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/20

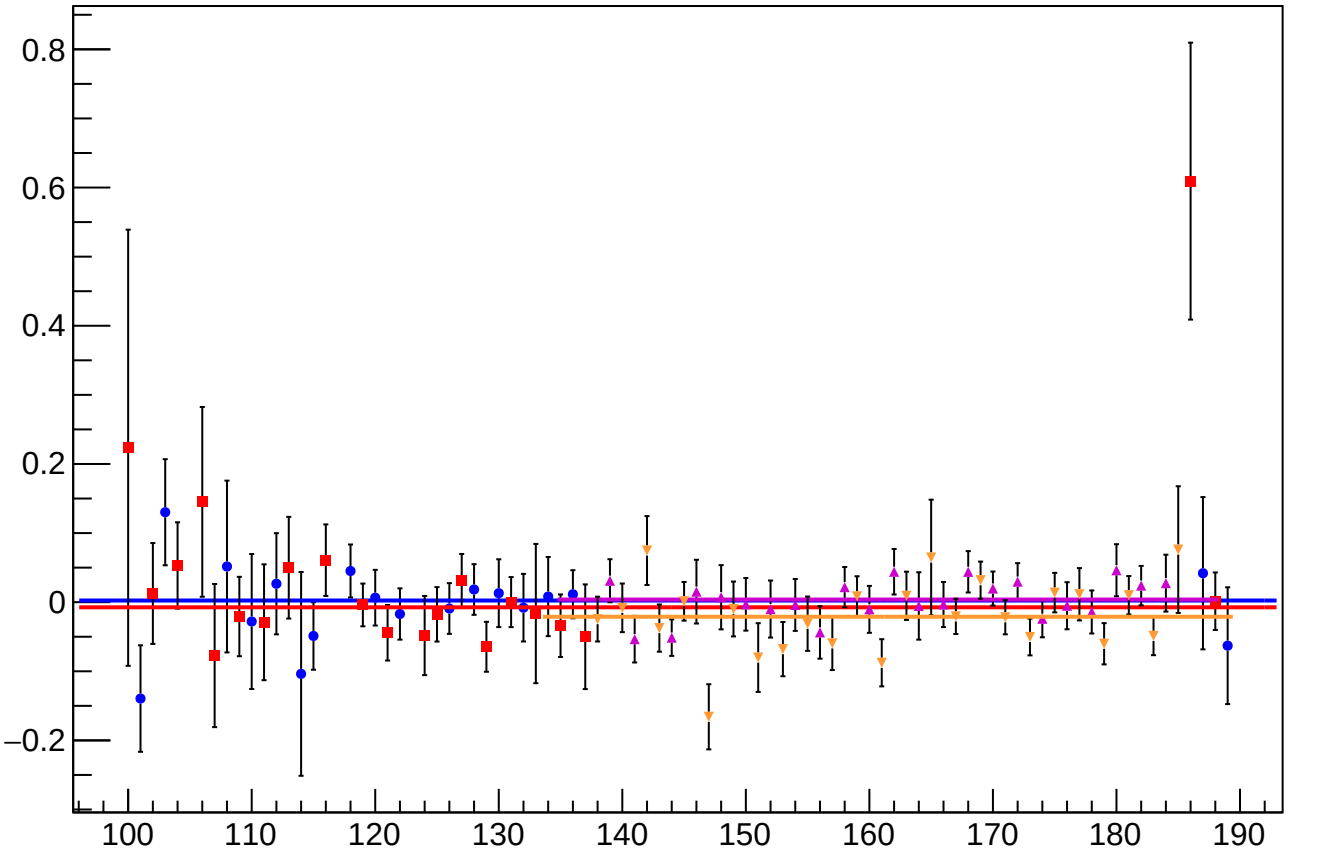
Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.3/42

All: 0.000+/-0.000 χ^2/NDF: 113.1/86

- sign -0.000+/-0.000 χ^2/NDF: 48.7/43


asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.001+/-0.000 χ²/NDF: 7138933.7/17
Left Out: 0.002+/-0.000 χ²/NDF:3433566.6/24
Right Out: 0.001+/-0.000 χ²/NDF: 7740818.5/20
Left In: 0.002+/-0.000 χ²/NDF:6034225.5/22
+ sign 0.002+/-0.000 χ²/NDF: 12266796.5/42
All: 0.001+/-0.000 χ²/NDF: 28977215.6/86
- sign 0.001+/-0.000 χ²/NDF: 16032349.5/43



Right In: 0.002+/-0.012 χ^2/NDF: 10.9/17

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

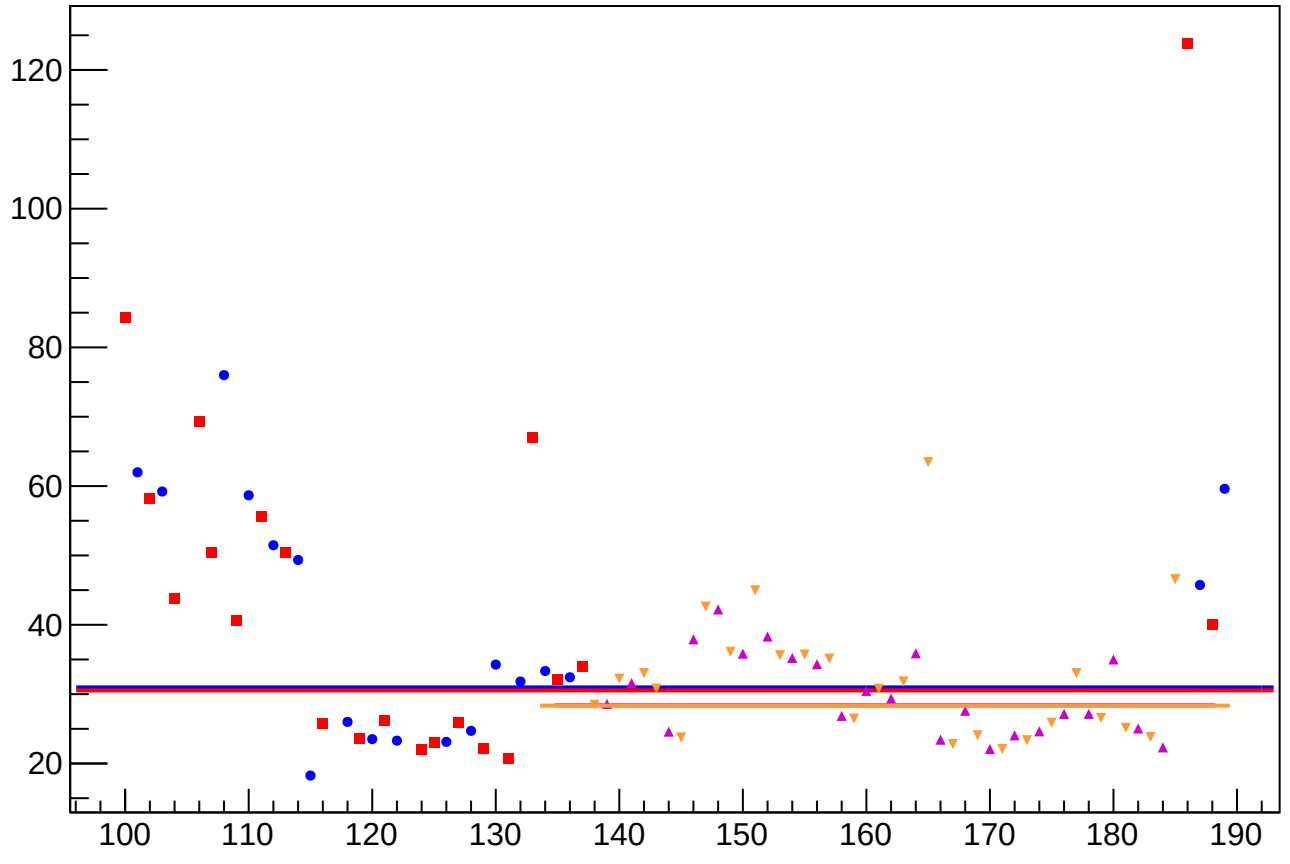
Right Out: -0.007+/-0.011 χ^2/NDF: 20.8/20

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.016+/-0.006 χ^2/NDF: 50.9/42

All: -0.007+/-0.004 χ^2/NDF: 95.1/86

- sign 0.001+/-0.006 χ^2/NDF: 40.2/43



Right In: 30.975+/-0.009 χ^2/NDF: 1961022.7/17

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

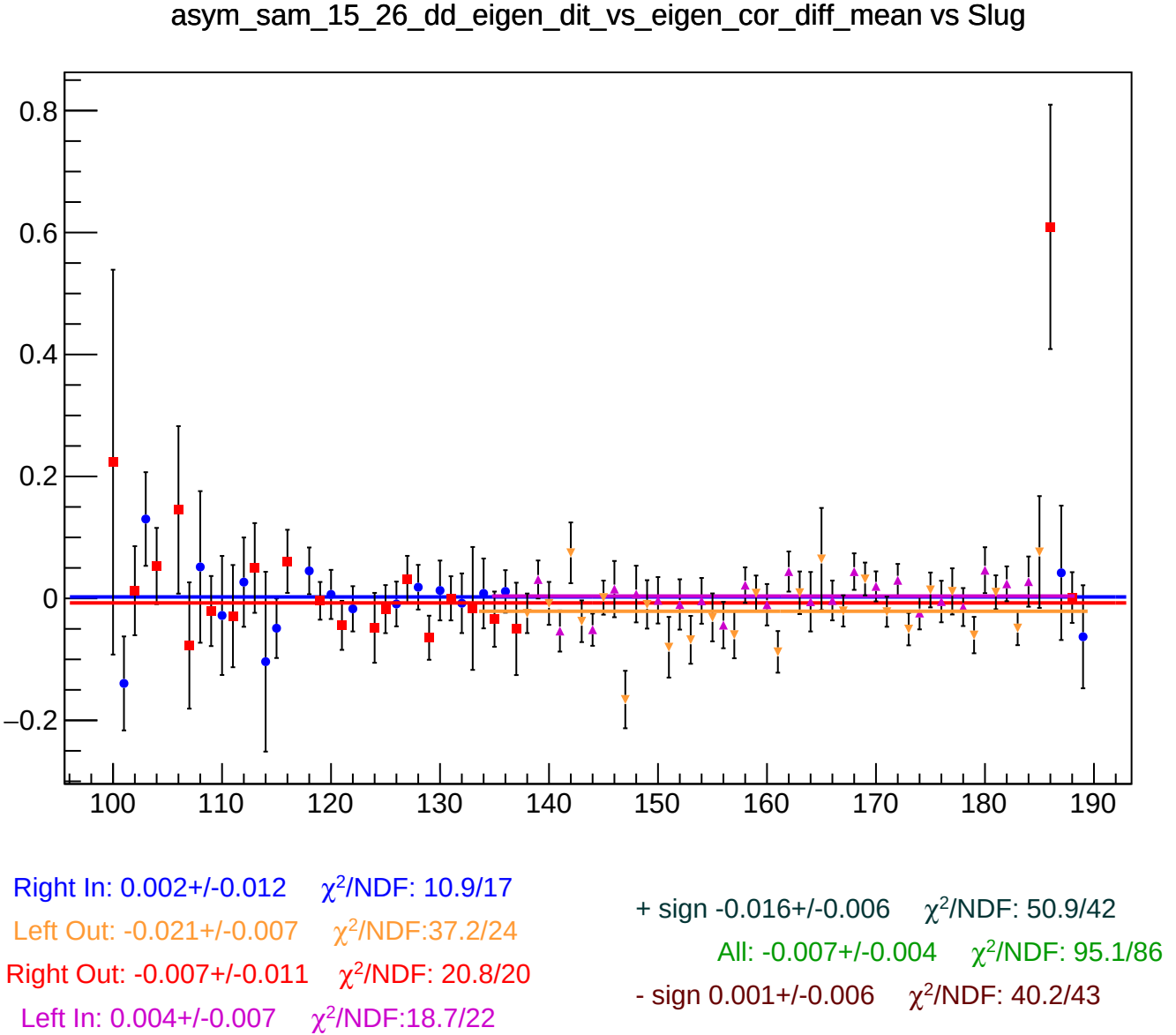
Right Out: 30.540+/-0.008 χ^2/NDF: 2402877.8/20

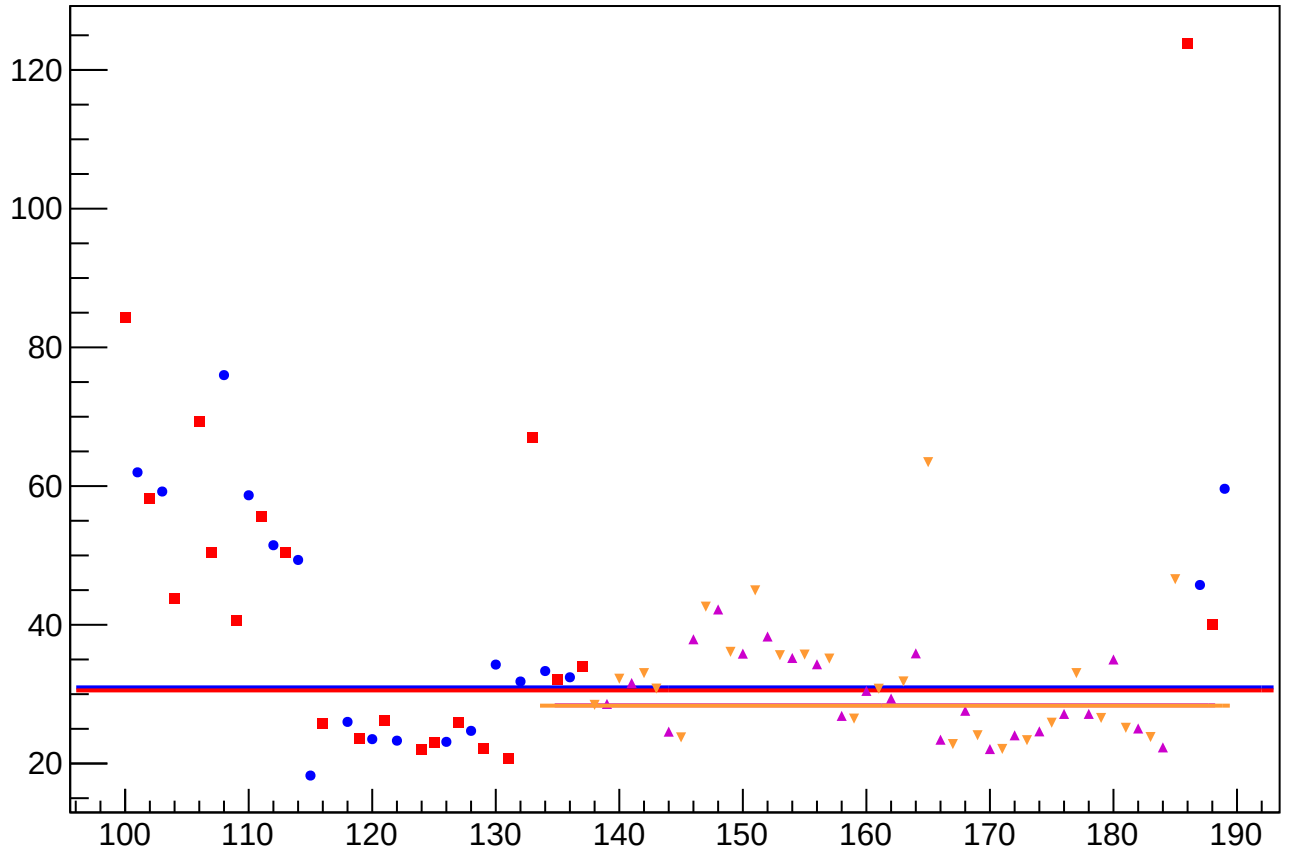
Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

+ sign 28.957+/-0.004 χ^2/NDF: 3767440.5/42

All: 28.961+/-0.003 χ^2/NDF: 7321802.0/86

- sign 28.965+/-0.004 χ^2/NDF: 3554359.5/43


asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.8
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
150
160
170
180
190
Right In: 0.002+/-0.012 χ²/NDF: 10.9/17
Left Out: -0.021+/-0.007 χ²/NDF:37.2/24
Right Out: -0.007+/-0.011 χ²/NDF: 20.8/20
Left In: 0.004+/-0.007 χ²/NDF:18.7/22
+ sign -0.016+/-0.006 χ²/NDF: 50.9/42
All: -0.007+/-0.004 χ²/NDF: 95.1/86
- sign 0.001+/-0.006 χ²/NDF: 40.2/43



Right In: 30.975+/-0.009 χ^2/NDF: 1961022.7/17

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

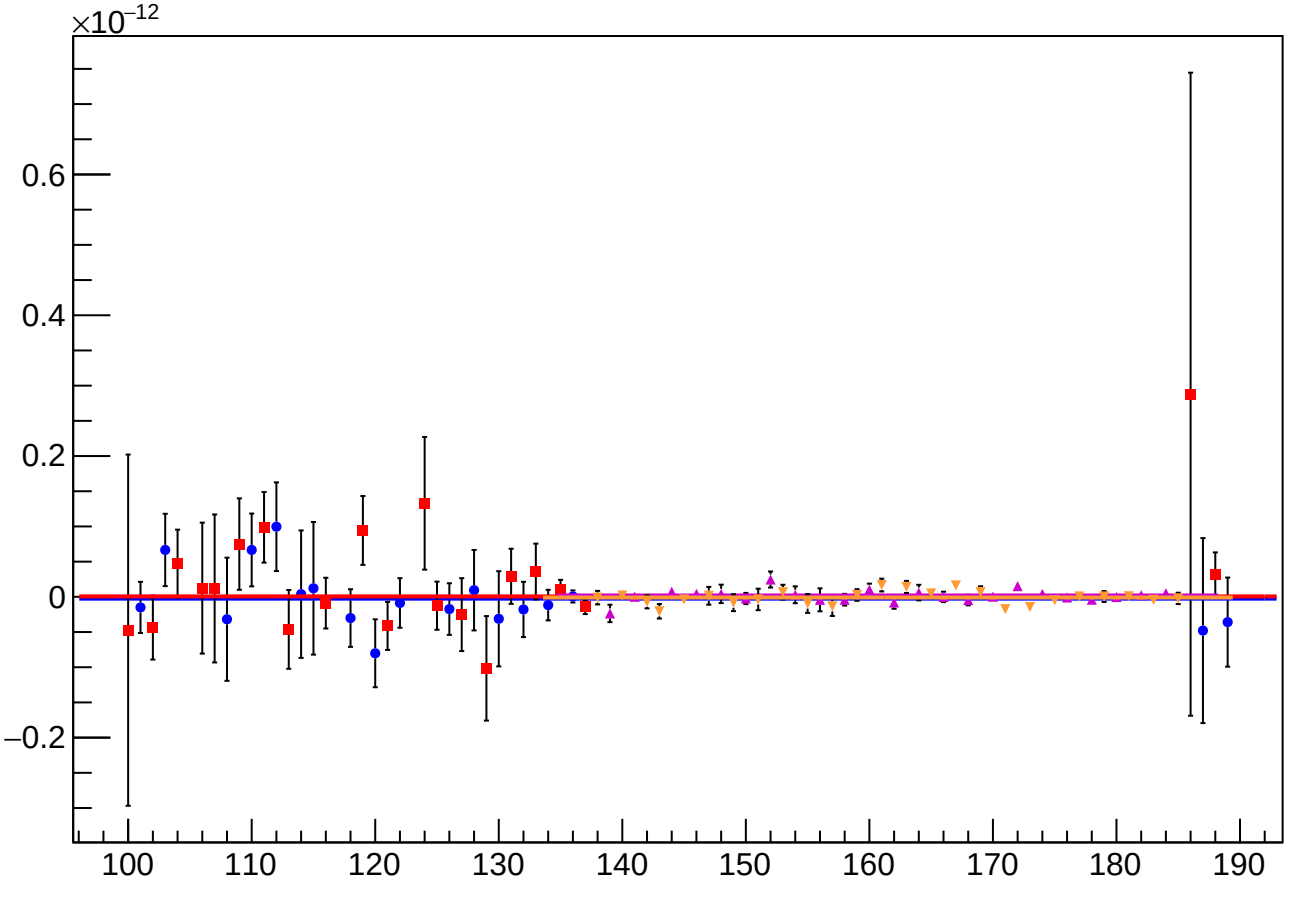
Right Out: 30.540+/-0.008 χ^2/NDF: 2402877.8/20

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

+ sign 28.957+/-0.004 χ^2/NDF: 3767440.5/42

All: 28.961+/-0.003 χ^2/NDF: 7321802.0/86

- sign 28.965+/-0.004 χ^2/NDF: 3554359.5/43



Right In: -0.000+/-0.000 χ^2/NDF: 10.8/17

Left Out: -0.000+/-0.000 χ^2/NDF:34.1/24

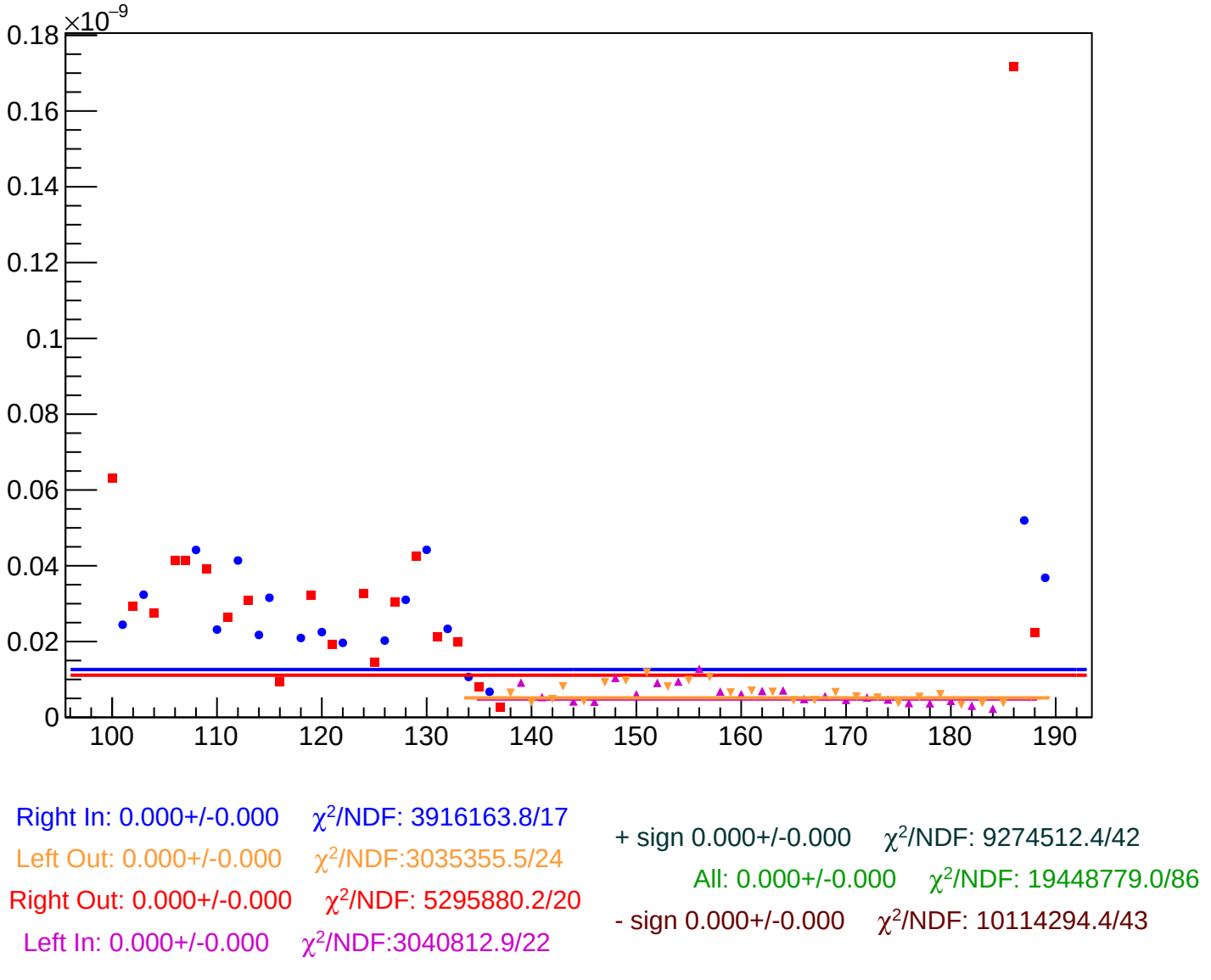
Right Out: 0.000+/-0.000 χ^2/NDF: 22.9/20

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

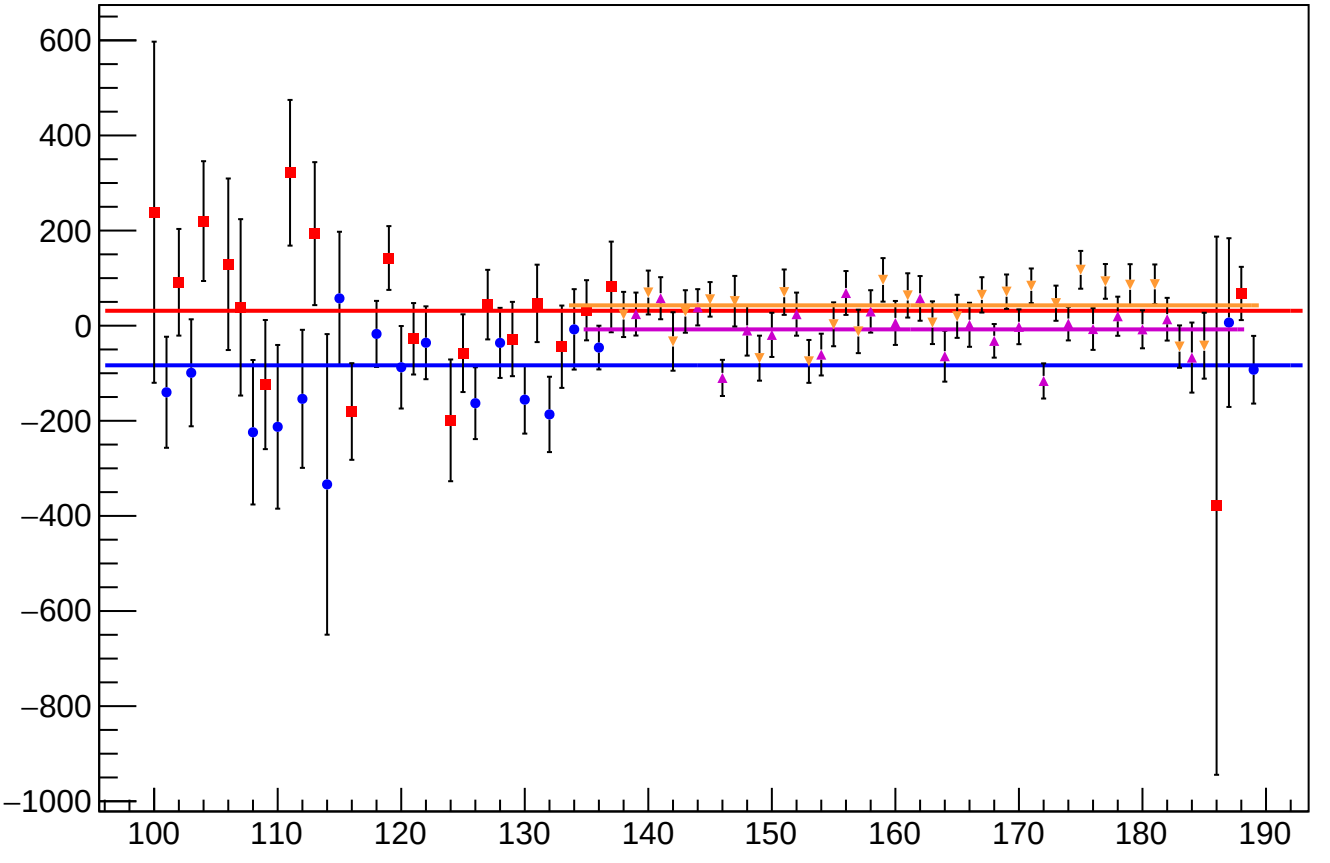
+ sign -0.000+/-0.000 χ^2/NDF: 45.0/42

All: 0.000+/-0.000 χ^2/NDF: 89.5/86

- sign 0.000+/-0.000 χ^2/NDF: 42.4/43


asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3916163.8/17
Left Out: 0.000+/-0.000 χ²/NDF:3035355.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 5295880.2/20
Left In: 0.000+/-0.000 χ²/NDF:3040812.9/22
+ sign 0.000+/-0.000 χ²/NDF: 9274512.4/42
All: 0.000+/-0.000 χ²/NDF: 19448779.0/86
- sign 0.000+/-0.000 χ²/NDF: 10114294.4/43

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -83.338+/-20.388 χ^2/NDF: 10.8/17

Left Out: 42.765+/-8.698 χ^2/NDF:34.7/24

Right Out: 31.336+/-20.515 χ^2/NDF: 24.0/20

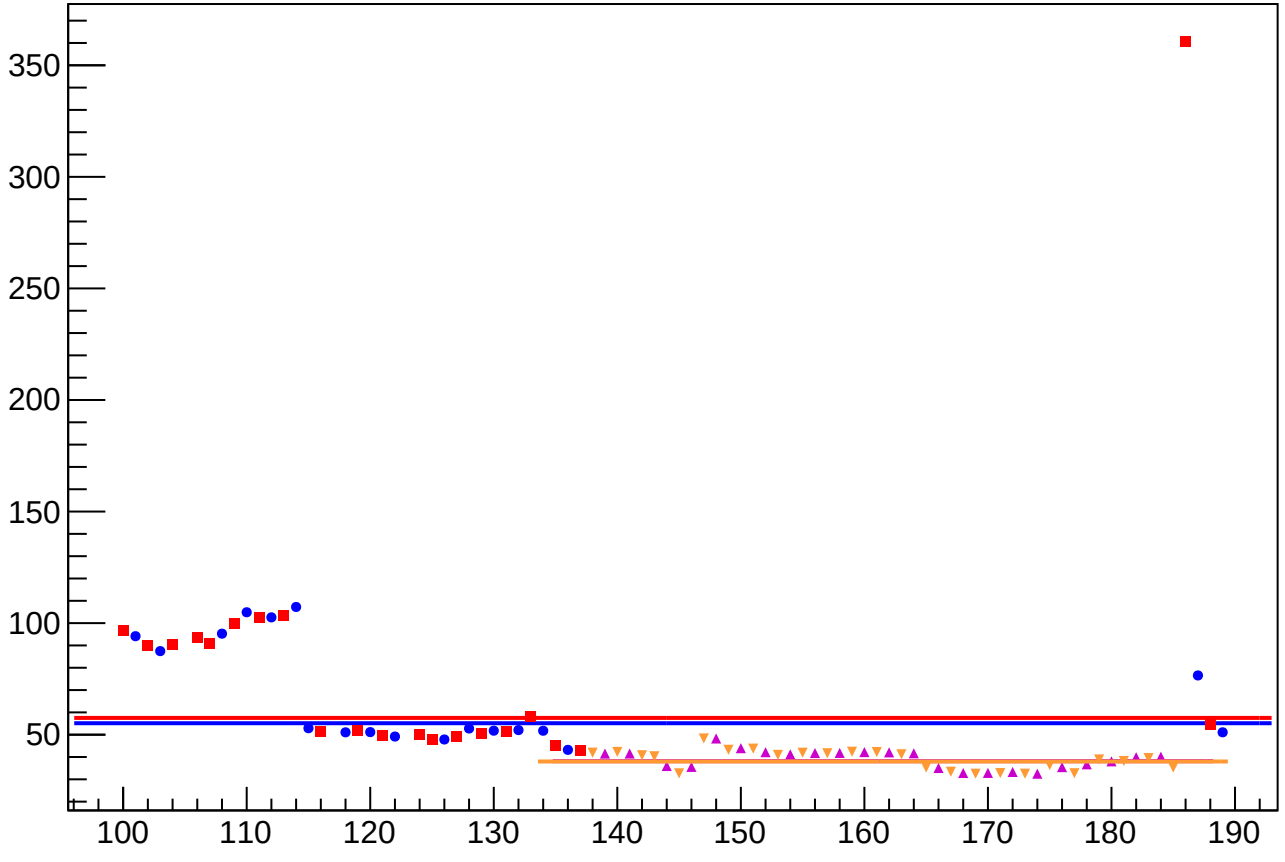
Left In: -7.783+/-8.974 χ^2/NDF:30.6/22

+ sign 23.347+/-8.000 χ^2/NDF: 77.9/42

All: 11.263+/-5.734 χ^2/NDF: 140.2/86

- sign -1.500+/-8.222 χ^2/NDF: 57.6/43

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 55.141+/-0.014 χ^2/NDF: 1188265.6/17

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

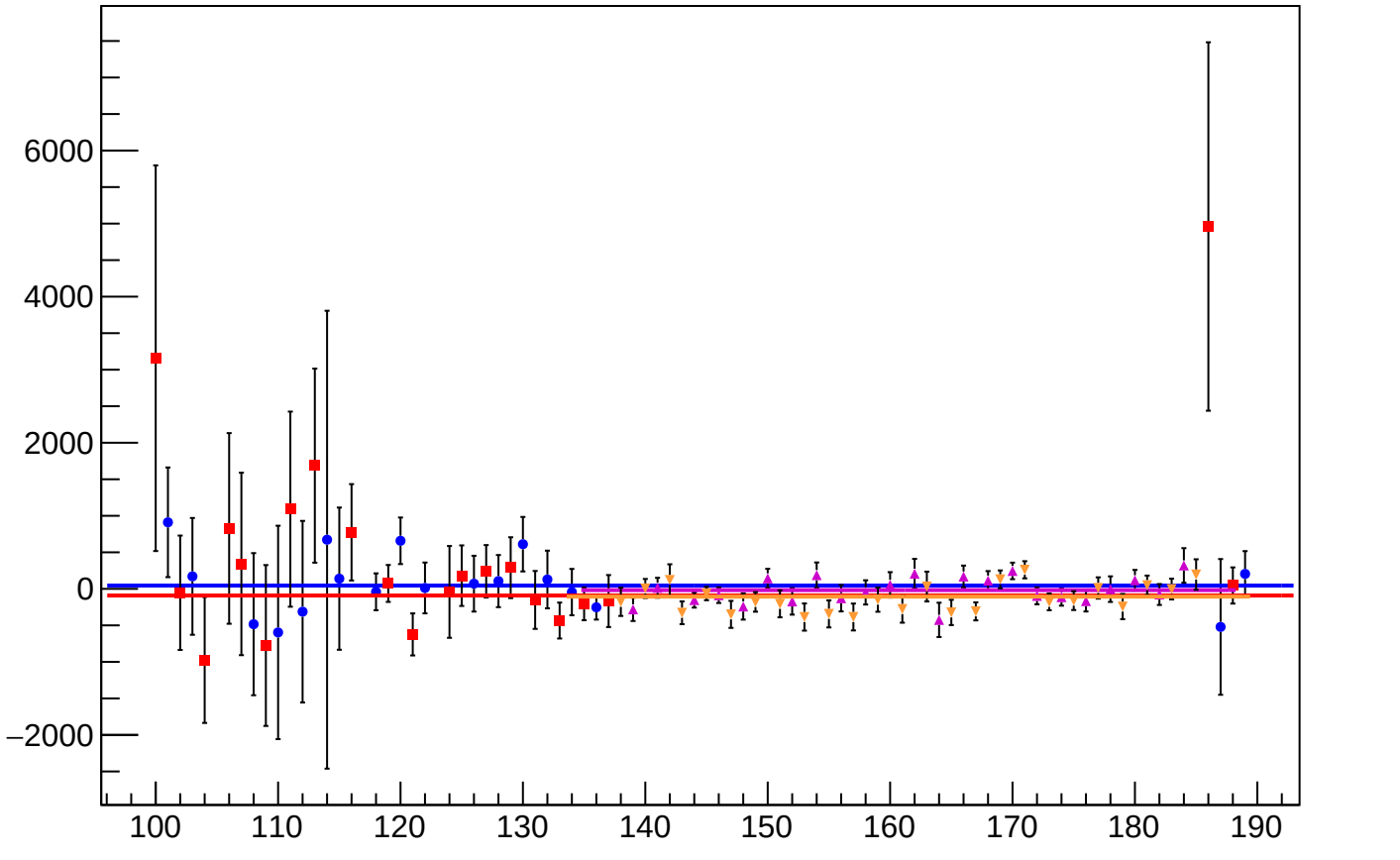
Right Out: 57.525+/-0.015 χ^2/NDF: 1861170.7/20

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 40.631+/-0.006 χ^2/NDF: 2899286.1/42

All: 40.931+/-0.004 χ^2/NDF: 6694489.2/86

- sign 41.248+/-0.006 χ^2/NDF: 3789423.6/43



Right In: 44.966+/-89.200 χ^2/NDF: 12.0/17

Left Out: -106.506+/-29.563 χ^2/NDF:37.6/24

Right Out: -91.302+/-89.314 χ^2/NDF: 20.4/20

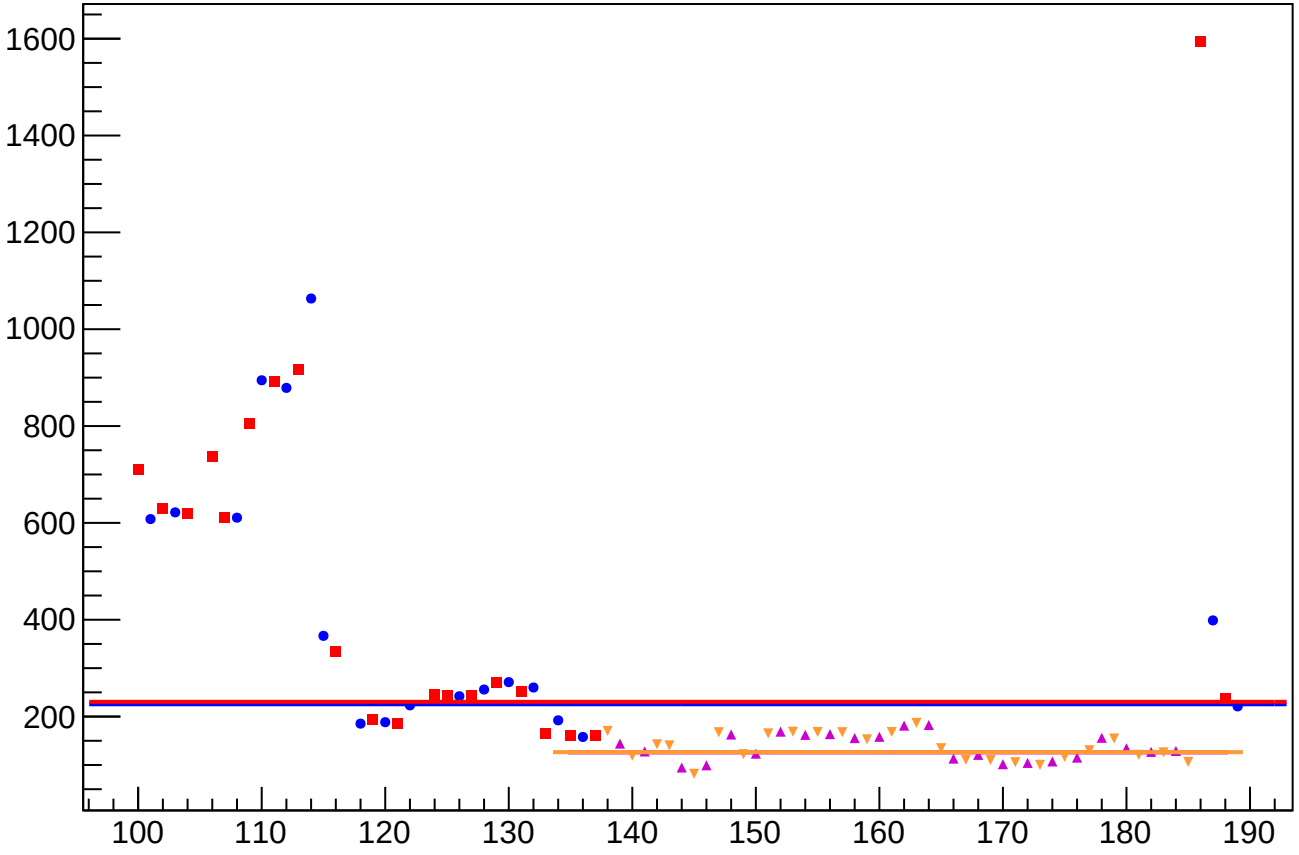
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

\+ sign -91.515+/-28.062 χ^2/NDF: 52.3/42

All: -58.924+/-20.029 χ^2/NDF: 104.3/86

\- sign -25.081+/-28.596 χ^2/NDF: 49.3/43

asym_sam_37_26_dd_reg_correction_rms vs Slug



Right In: 225.405+/-0.063 χ^2/NDF: 3038390.1/17

Left Out: 126.561+/-0.021 χ^2/NDF:1758158.3/24

Right Out: 230.466+/-0.063 χ^2/NDF: 4228938.7/20

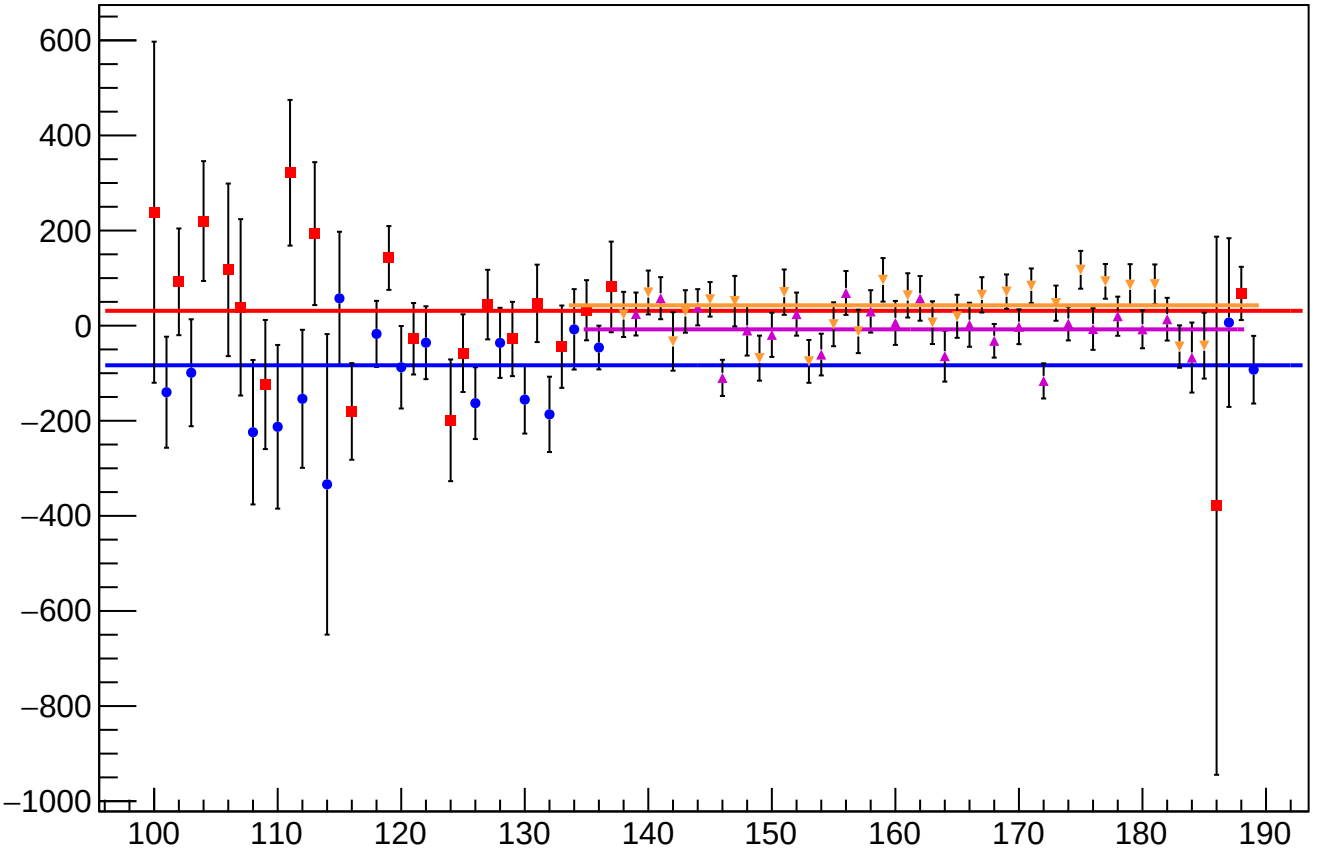
Left In: 126.013+/-0.021 χ^2/NDF:1410655.7/22

+ sign 136.344+/-0.020 χ^2/NDF: 7009355.1/42

All: 136.529+/-0.014 χ^2/NDF: 15104187.1/86

- sign 136.721+/-0.020 χ^2/NDF: 8094654.4/43

cor_asym_sam_37_26_dd_mean vs Slug



Right In: -83.336+/-20.388 χ^2/NDF: 10.8/17

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: 31.200+/-20.517 χ^2/NDF: 23.9/20

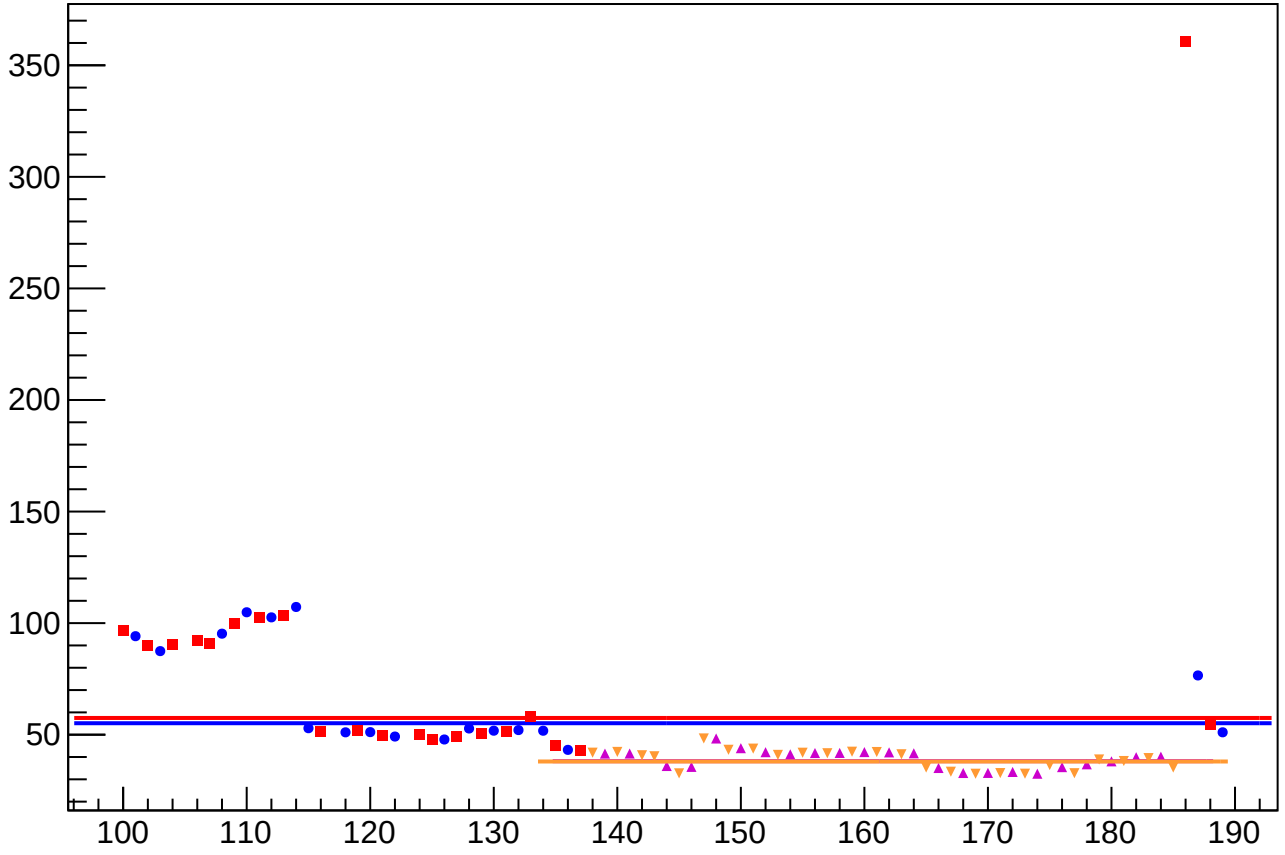
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 23.349+/-8.000 χ^2/NDF: 77.9/42

All: 11.253+/-5.734 χ^2/NDF: 140.2/86

- sign -1.524+/-8.222 χ^2/NDF: 57.5/43

cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.141+/-0.014 χ^2/NDF: 1188265.8/17

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

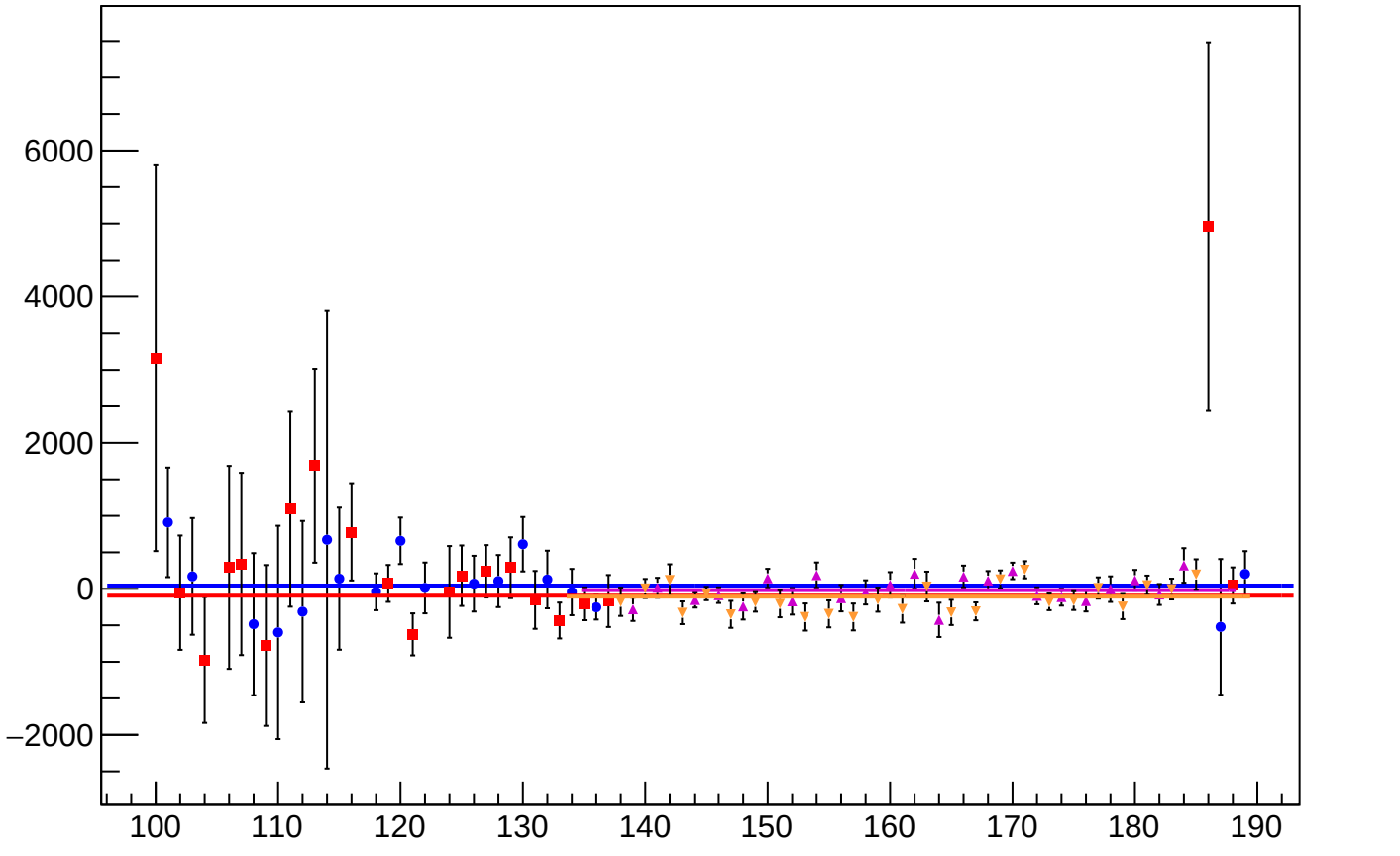
Right Out: 57.500+/-0.015 χ^2/NDF: 1853766.7/20

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 40.631+/-0.006 χ^2/NDF: 2899286.3/42

All: 40.929+/-0.004 χ^2/NDF: 6682935.8/86

- sign 41.243+/-0.006 χ^2/NDF: 3777953.0/43



Right In: 44.966+/-89.200 χ^2/NDF: 12.0/17

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: -93.995+/-89.339 χ^2/NDF: 20.0/20

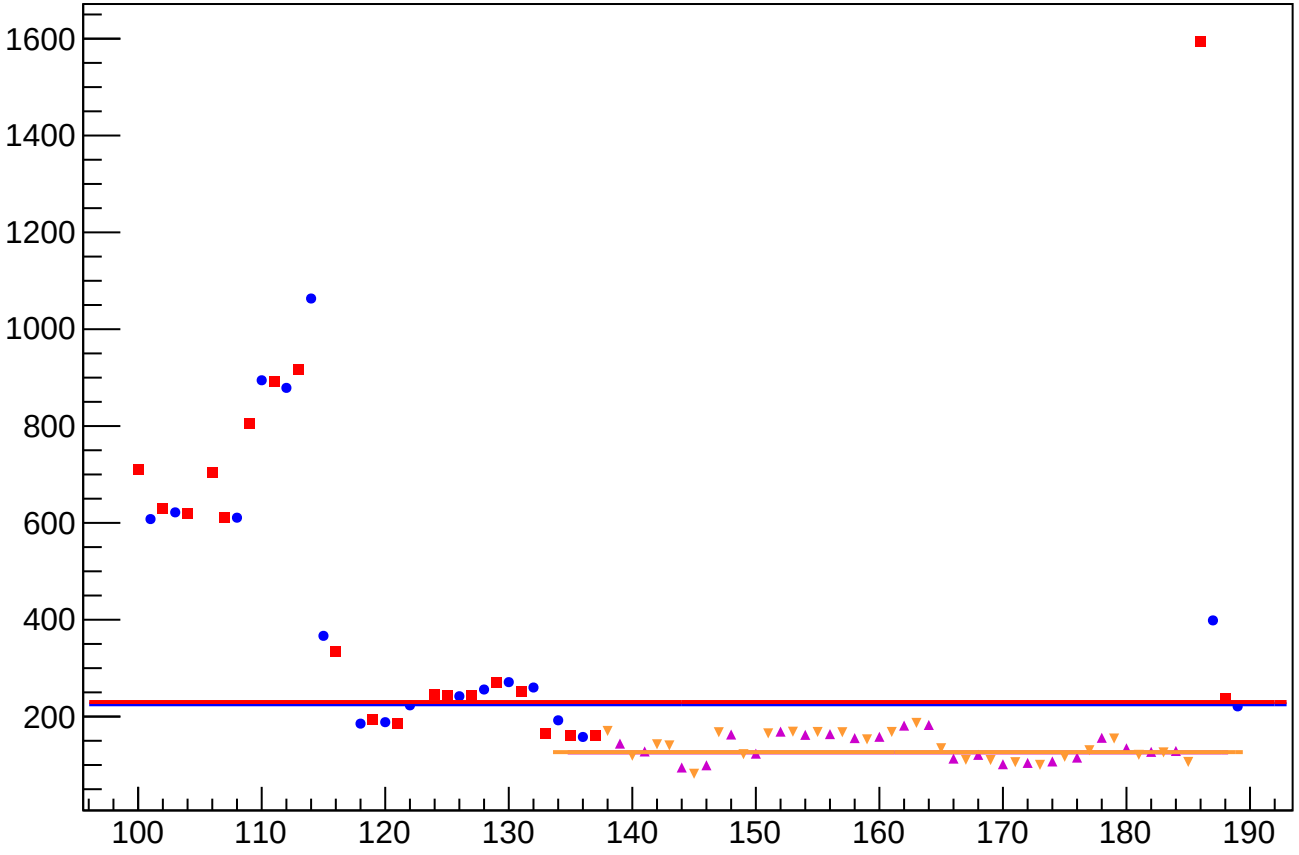
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -91.514+/-28.062 χ^2/NDF: 52.3/42

All: -59.058+/-20.029 χ^2/NDF: 103.9/86

- sign -25.353+/-28.597 χ^2/NDF: 48.9/43

asym_sam_37_26_dd_cor_correction_rms vs Slug



Right In: 225.406+/-0.063 χ^2/NDF: 3038394.9/17

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 230.052+/-0.063 χ^2/NDF: 4160886.4/20

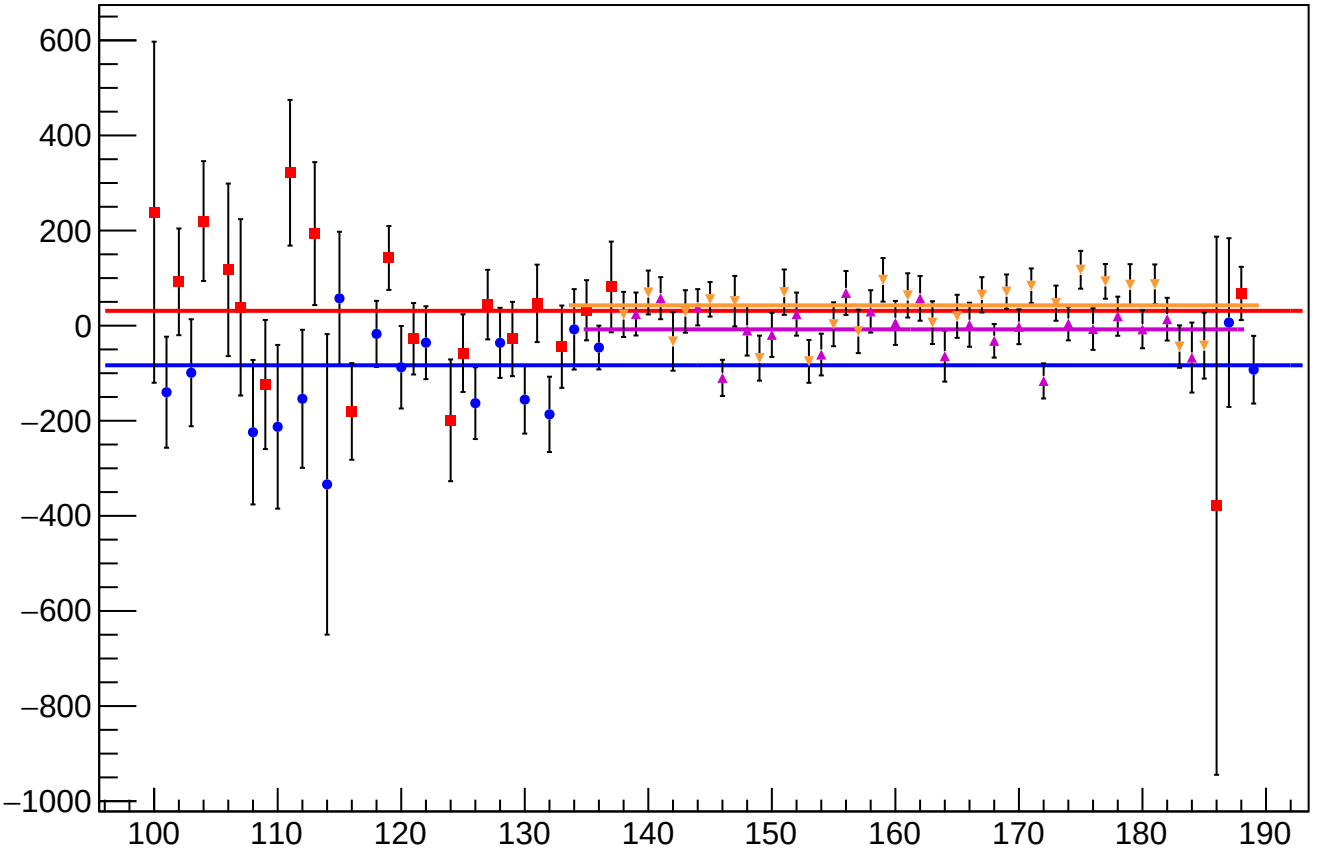
Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 136.344+/-0.020 χ^2/NDF: 7009354.8/42

All: 136.505+/-0.014 χ^2/NDF: 15015393.1/86

- sign 136.673+/-0.020 χ^2/NDF: 8005903.1/43

eigen_cor_asym_sam_37_26_dd_mean vs Slug



Right In: -83.336+/-20.388 χ^2/NDF: 10.8/17

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: 31.200+/-20.517 χ^2/NDF: 23.9/20

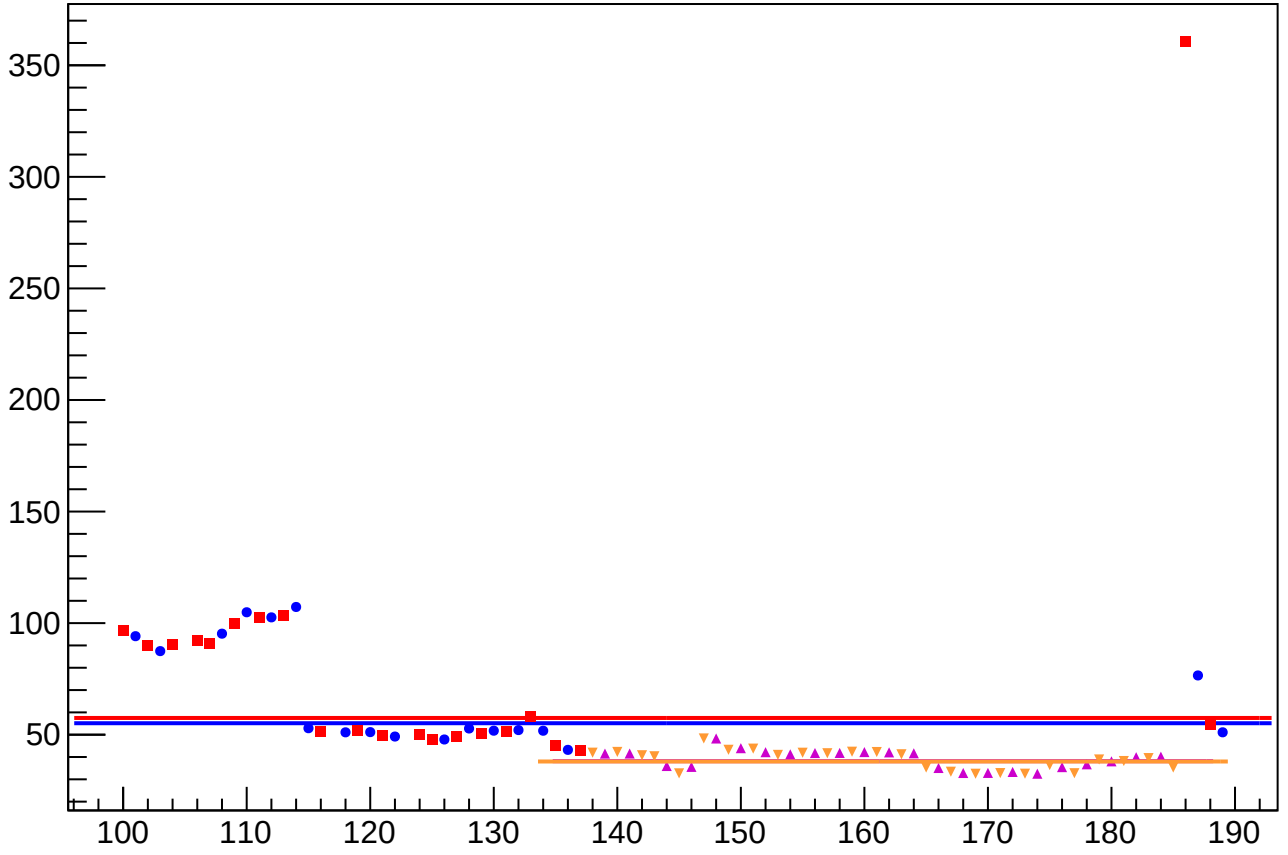
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 23.349+/-8.000 χ^2/NDF: 77.9/42

All: 11.253+/-5.734 χ^2/NDF: 140.2/86

- sign -1.524+/-8.222 χ^2/NDF: 57.5/43

eigen_cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.141+/-0.014 χ^2/NDF: 1188265.8/17

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

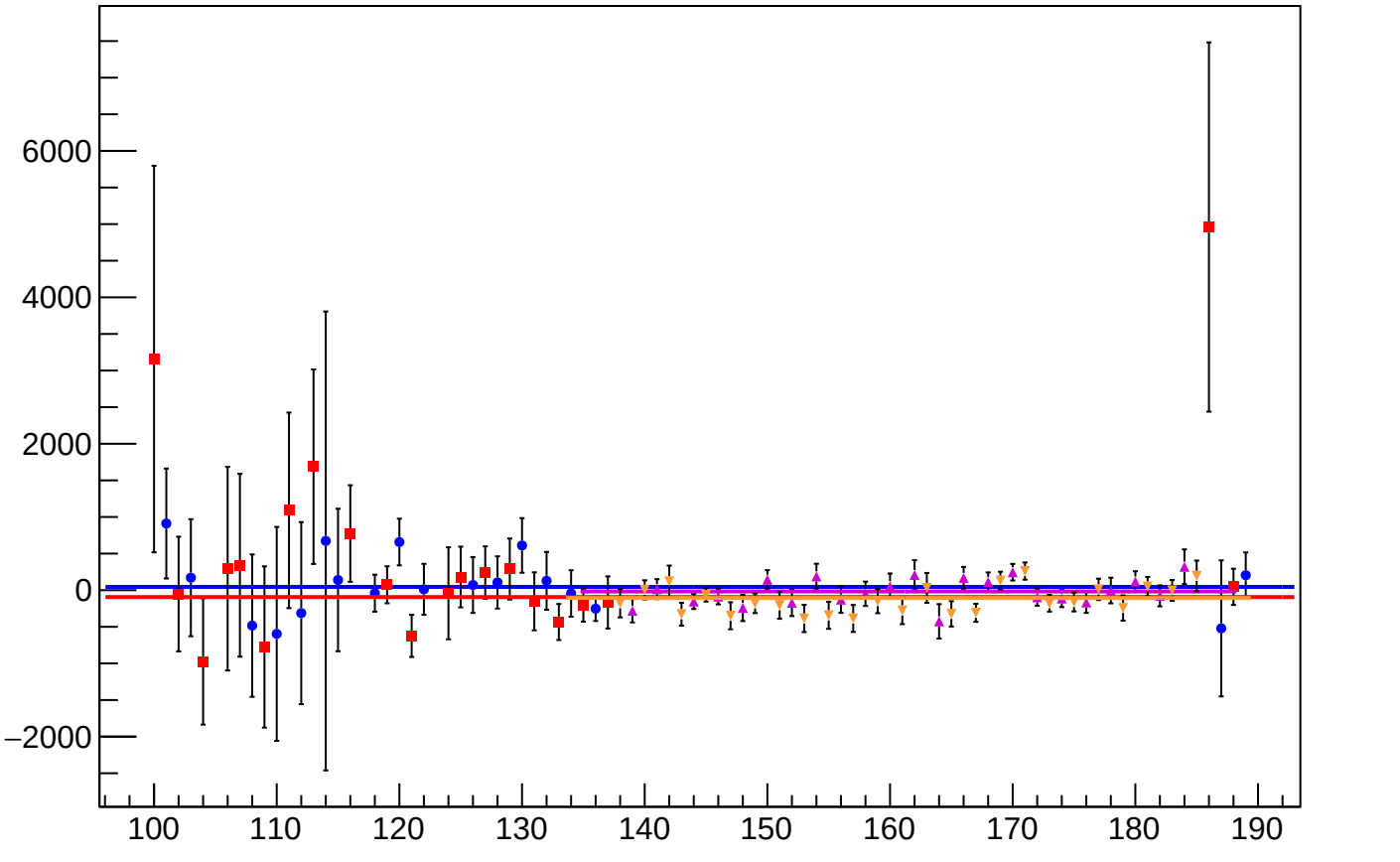
Right Out: 57.500+/-0.015 χ^2/NDF: 1853766.7/20

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 40.631+/-0.006 χ^2/NDF: 2899286.3/42

All: 40.929+/-0.004 χ^2/NDF: 6682935.8/86

- sign 41.243+/-0.006 χ^2/NDF: 3777953.0/43



Right In: 44.966+/-89.200 χ^2/NDF: 12.0/17

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

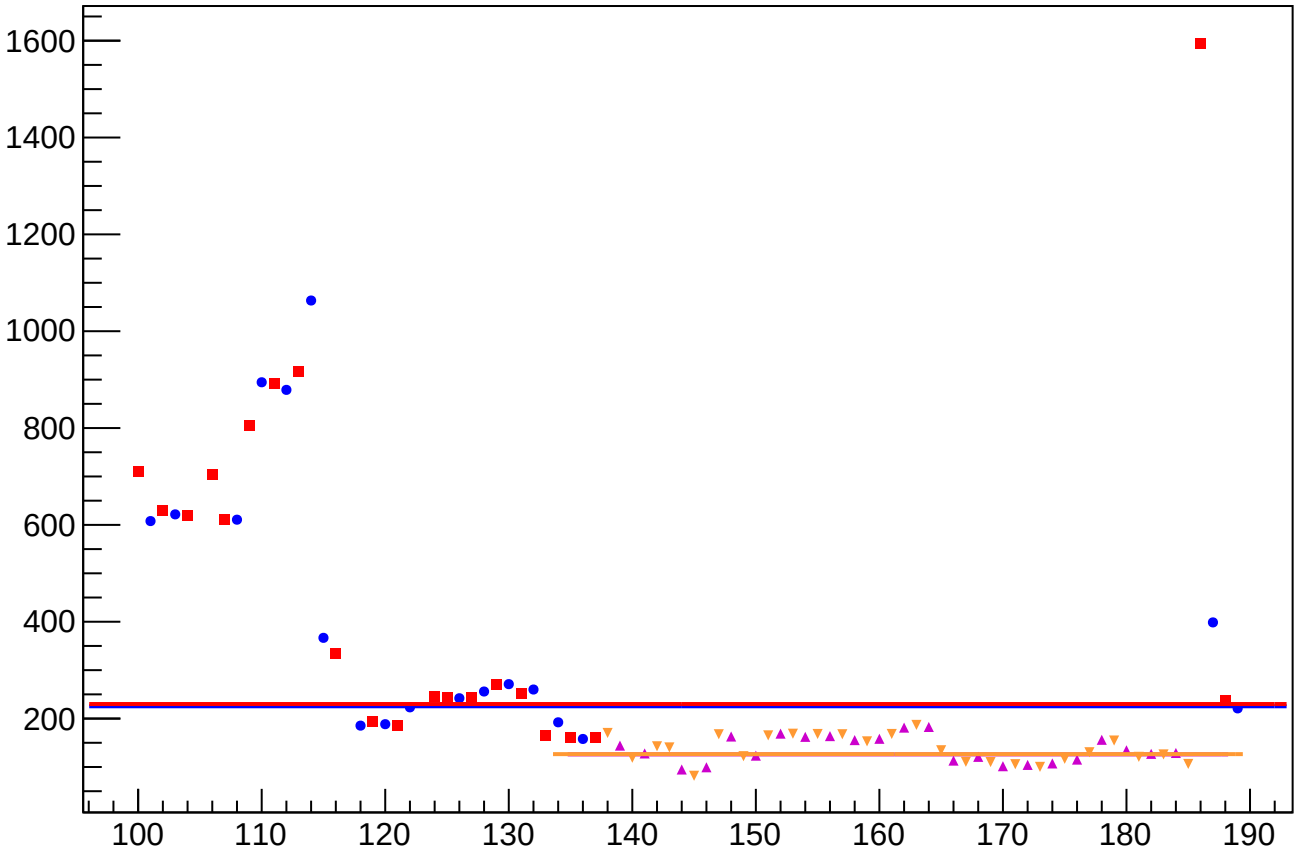
Right Out: -93.995+/-89.339 χ^2/NDF: 20.0/20

Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -91.514+/-28.062 χ^2/NDF: 52.3/42

All: -59.058+/-20.029 χ^2/NDF: 103.9/86

- sign -25.353+/-28.597 χ^2/NDF: 48.9/43



Right In: 225.406+/-0.063 χ^2/NDF: 3038394.9/17

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 230.052+/-0.063 χ^2/NDF: 4160886.4/20

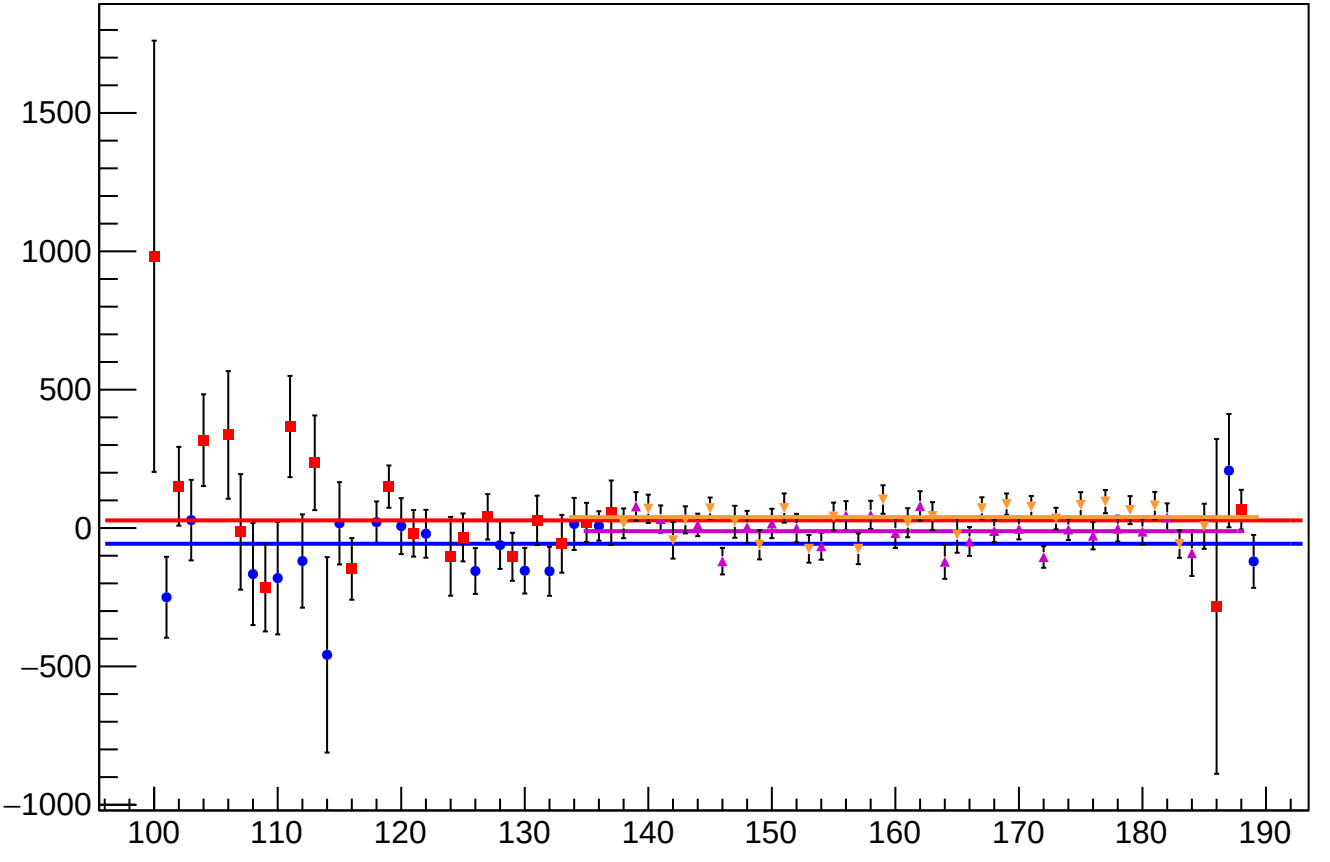
Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 136.344+/-0.020 χ^2/NDF: 7009354.8/42

All: 136.505+/-0.014 χ^2/NDF: 15015393.1/86

- sign 136.673+/-0.020 χ^2/NDF: 8005903.1/43

dit_asym_sam_37_26_dd_mean vs Slug



Right In: -56.805+/-23.566 χ^2/NDF: 14.4/17

Left Out: 39.563+/-9.745 χ^2/NDF:29.6/24

Right Out: 27.709+/-23.723 χ^2/NDF: 24.7/20

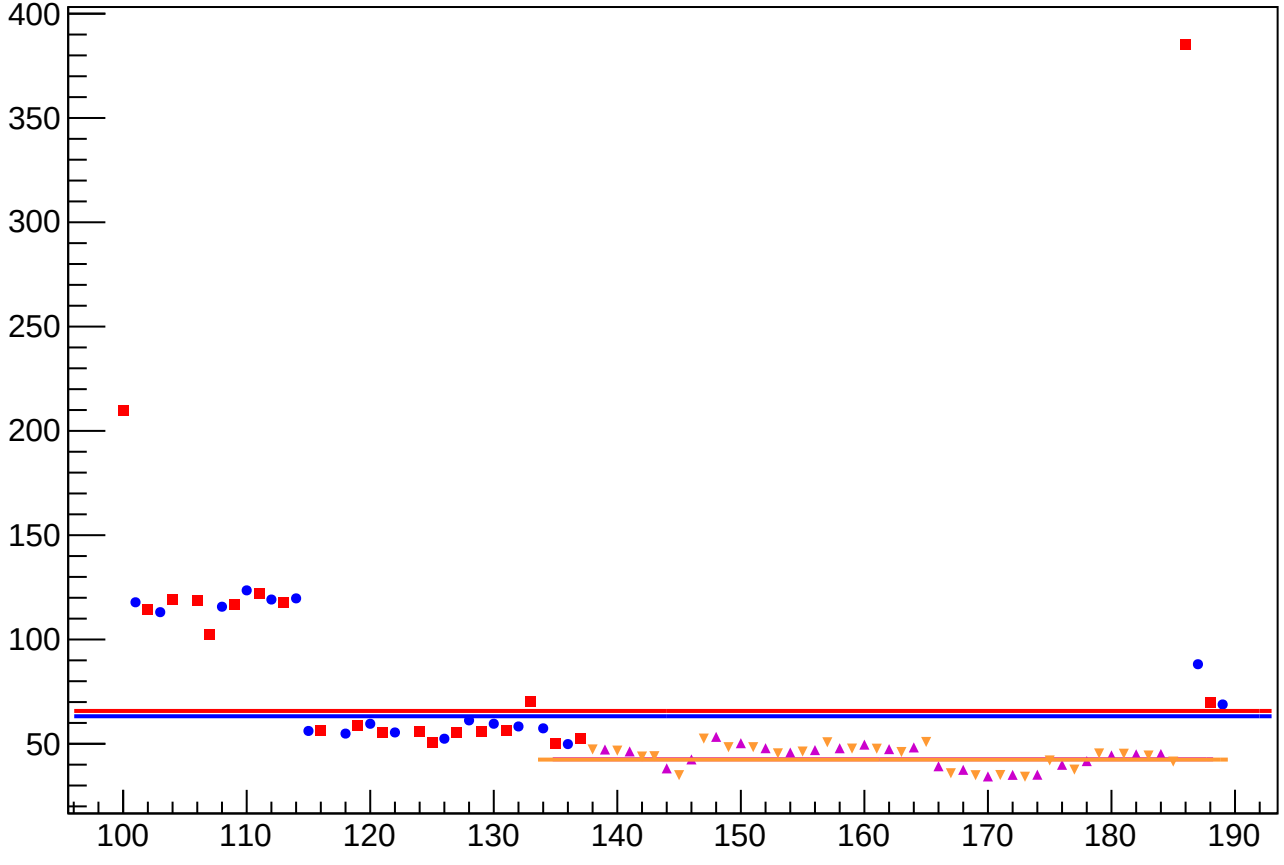
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 25.490+/-9.006 χ^2/NDF: 58.3/42

All: 10.528+/-6.461 χ^2/NDF: 118.8/86

- sign -5.342+/-9.275 χ^2/NDF: 54.9/43

dit_asym_sam_37_26_dd_rms vs Slug



Right In: 63.202+/-0.017 χ^2/NDF: 1386675.5/17

Left Out: 42.426+/-0.007 χ^2/NDF:698766.0/24

Right Out: 65.746+/-0.017 χ^2/NDF: 2158555.7/20

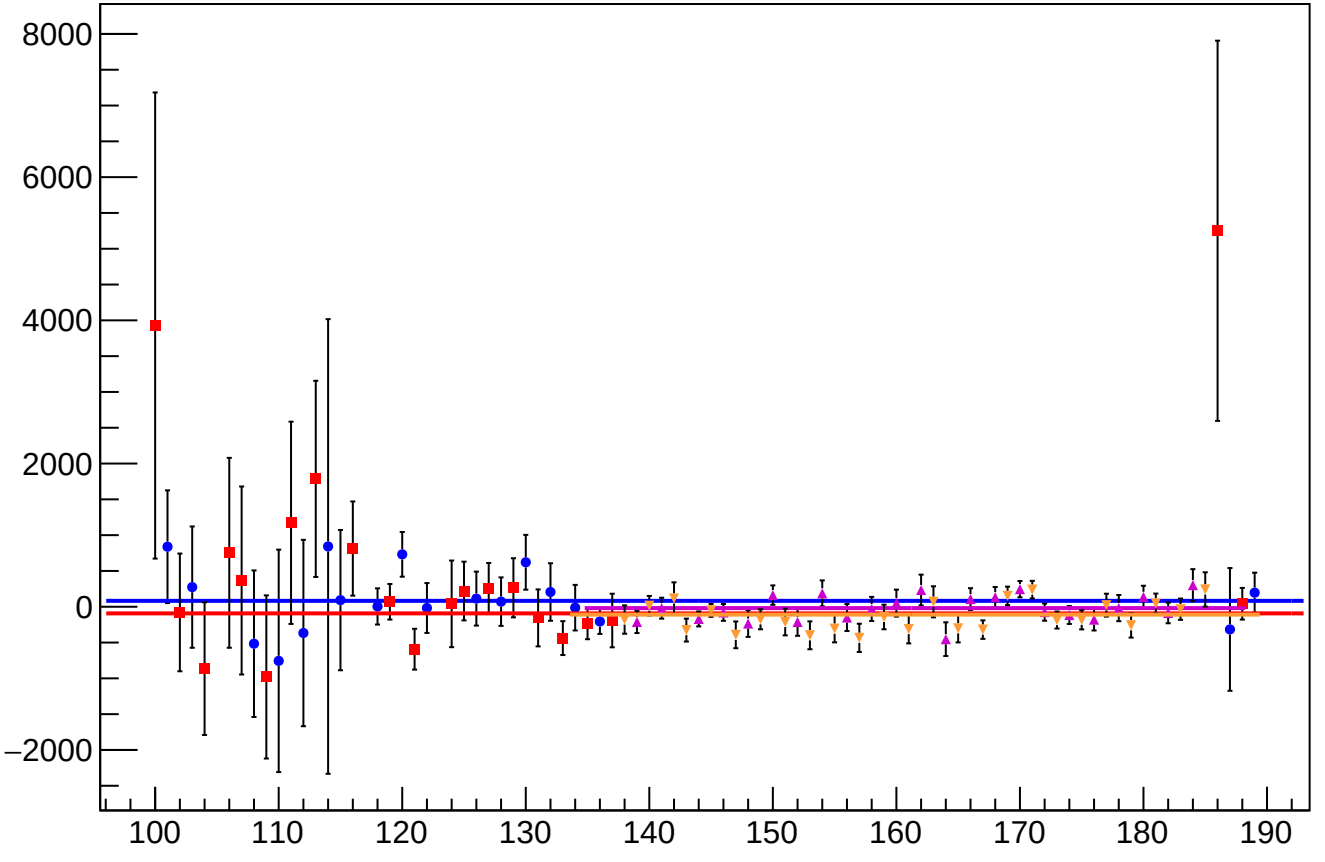
Left In: 42.579+/-0.007 χ^2/NDF:589897.0/22

+ sign 45.460+/-0.006 χ^2/NDF: 3412858.0/42

All: 45.780+/-0.005 χ^2/NDF: 7782395.5/86

- sign 46.120+/-0.007 χ^2/NDF: 4364321.6/43

asym_sam_37_26_dd_dit_correction_mean vs Slug



Right In: 82.525+/-89.020 χ^2/NDF: 11.6/17

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: -92.687+/-86.978 χ^2/NDF: 20.9/20

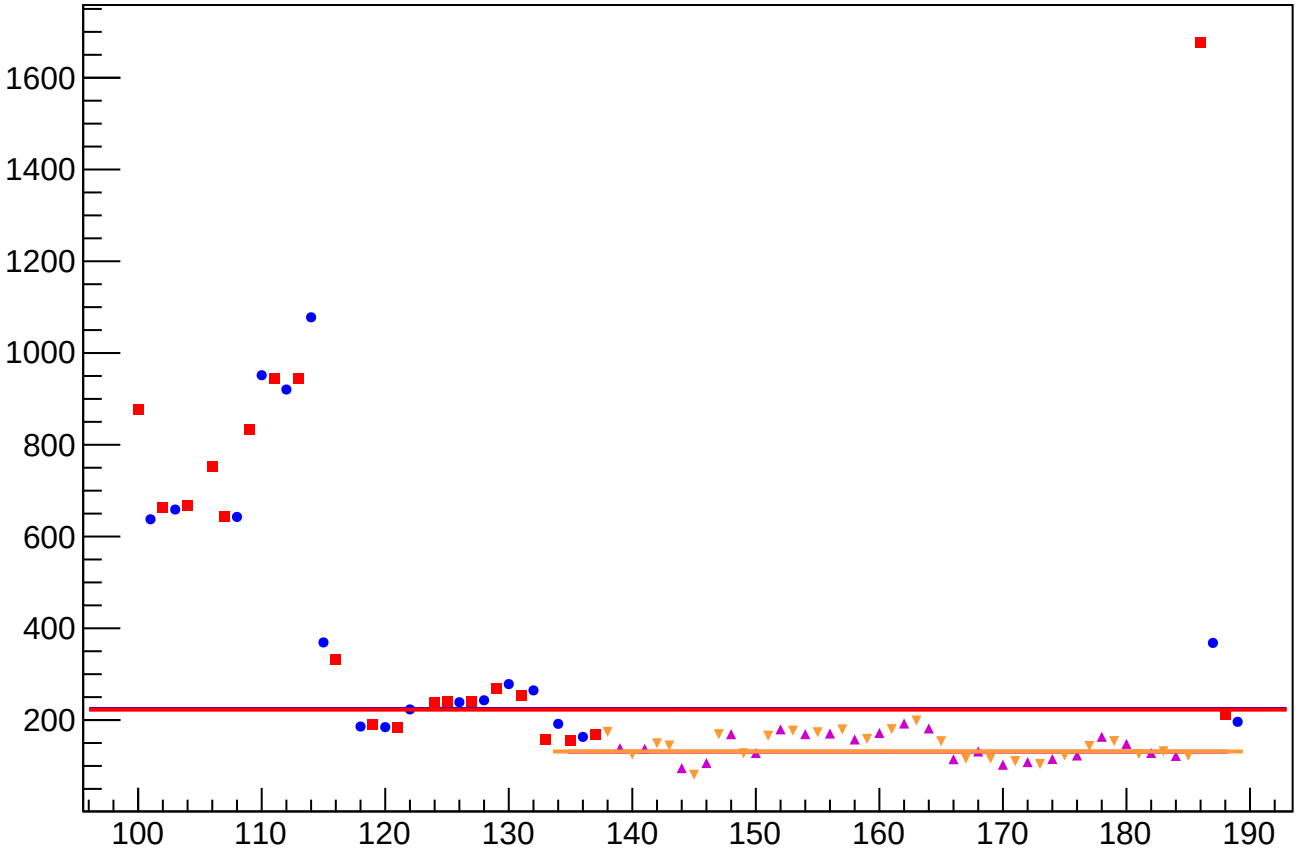
Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -89.350+/-29.072 χ^2/NDF: 52.0/42

All: -58.925+/-20.741 χ^2/NDF: 103.0/86

- sign -27.390+/-29.598 χ^2/NDF: 48.7/43

asym_sam_37_26_dd_dit_correction_rms vs Slug



Right In: 224.153+/-0.063 χ^2/NDF: 3103101.1/17

Left Out: 131.515+/-0.022 χ^2/NDF:1902958.8/24

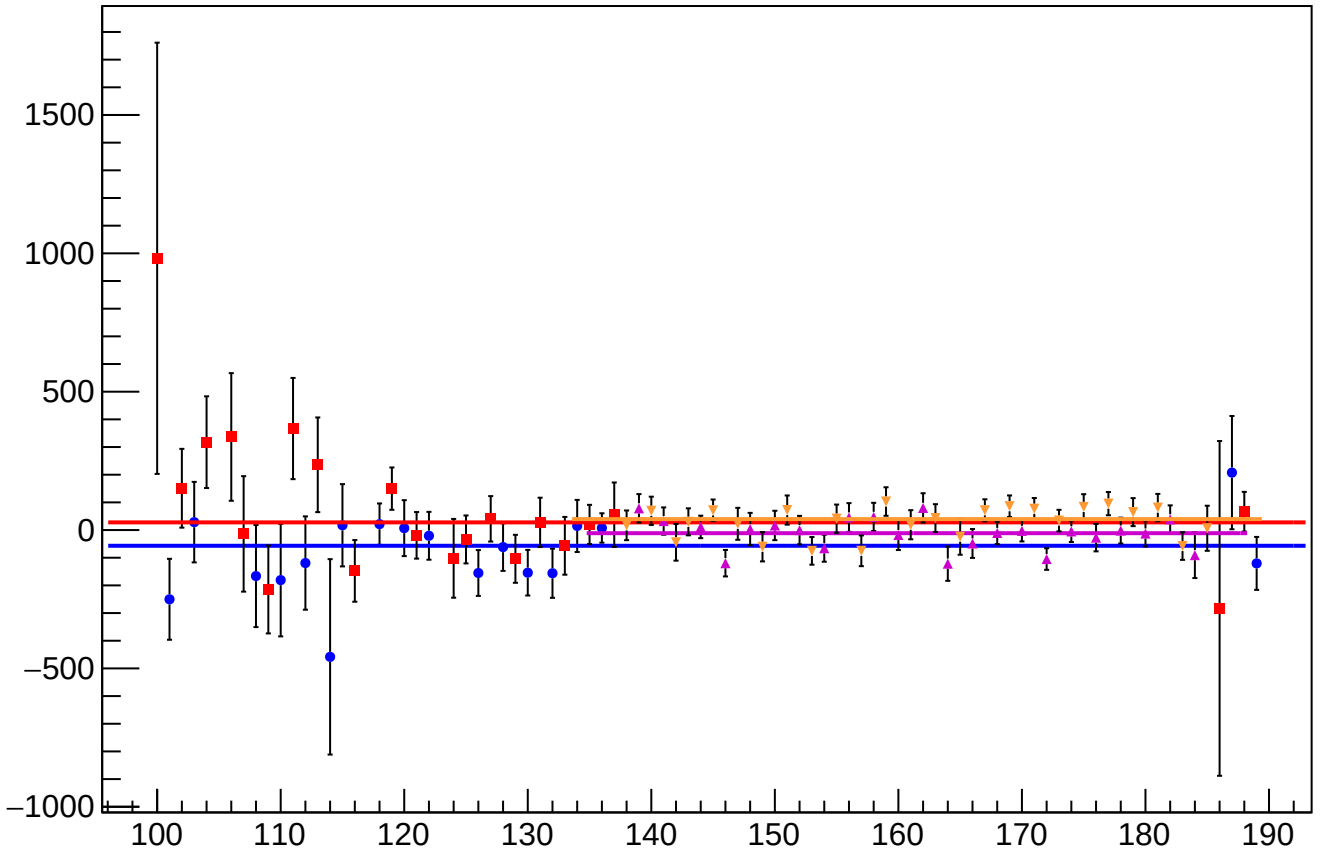
Right Out: 222.689+/-0.062 χ^2/NDF: 4452571.1/20

Left In: 131.074+/-0.022 χ^2/NDF:1467806.6/22

+ sign 141.395+/-0.021 χ^2/NDF: 6940934.4/42

All: 141.537+/-0.015 χ^2/NDF: 14823388.9/86

- sign 141.683+/-0.021 χ^2/NDF: 7882358.5/43



Right In: -56.806+/-23.566 χ^2/NDF: 14.4/17

Left Out: 39.564+/-9.745 χ^2/NDF:29.6/24

Right Out: 27.711+/-23.723 χ^2/NDF: 24.7/20

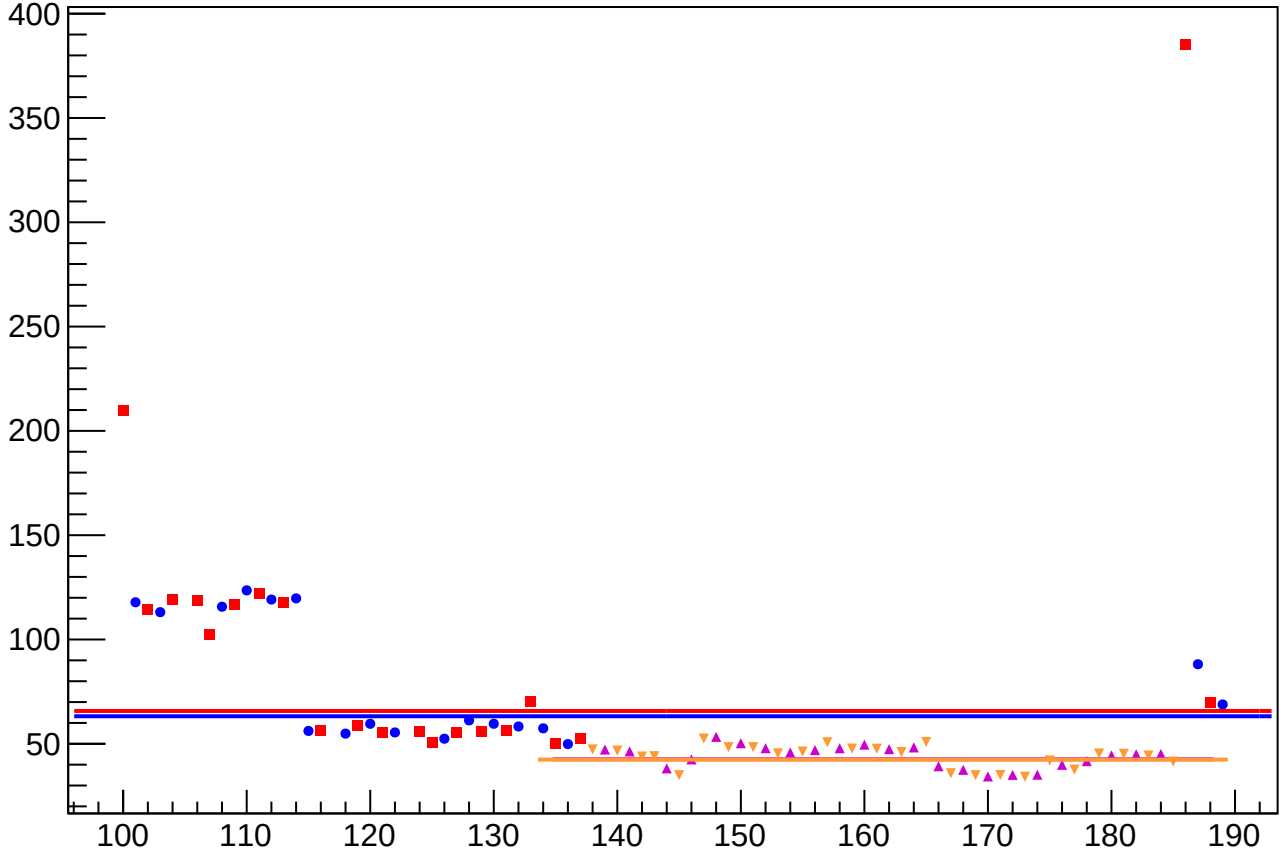
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 25.491+/-9.006 χ^2/NDF: 58.3/42

All: 10.529+/-6.461 χ^2/NDF: 118.8/86

- sign -5.342+/-9.275 χ^2/NDF: 54.9/43

eigen_dit_asym_sam_37_26_dd_rms vs Slug



Right In: 63.201+/-0.017 χ^2/NDF: 1386661.5/17

Left Out: 42.426+/-0.007 χ^2/NDF:698784.4/24

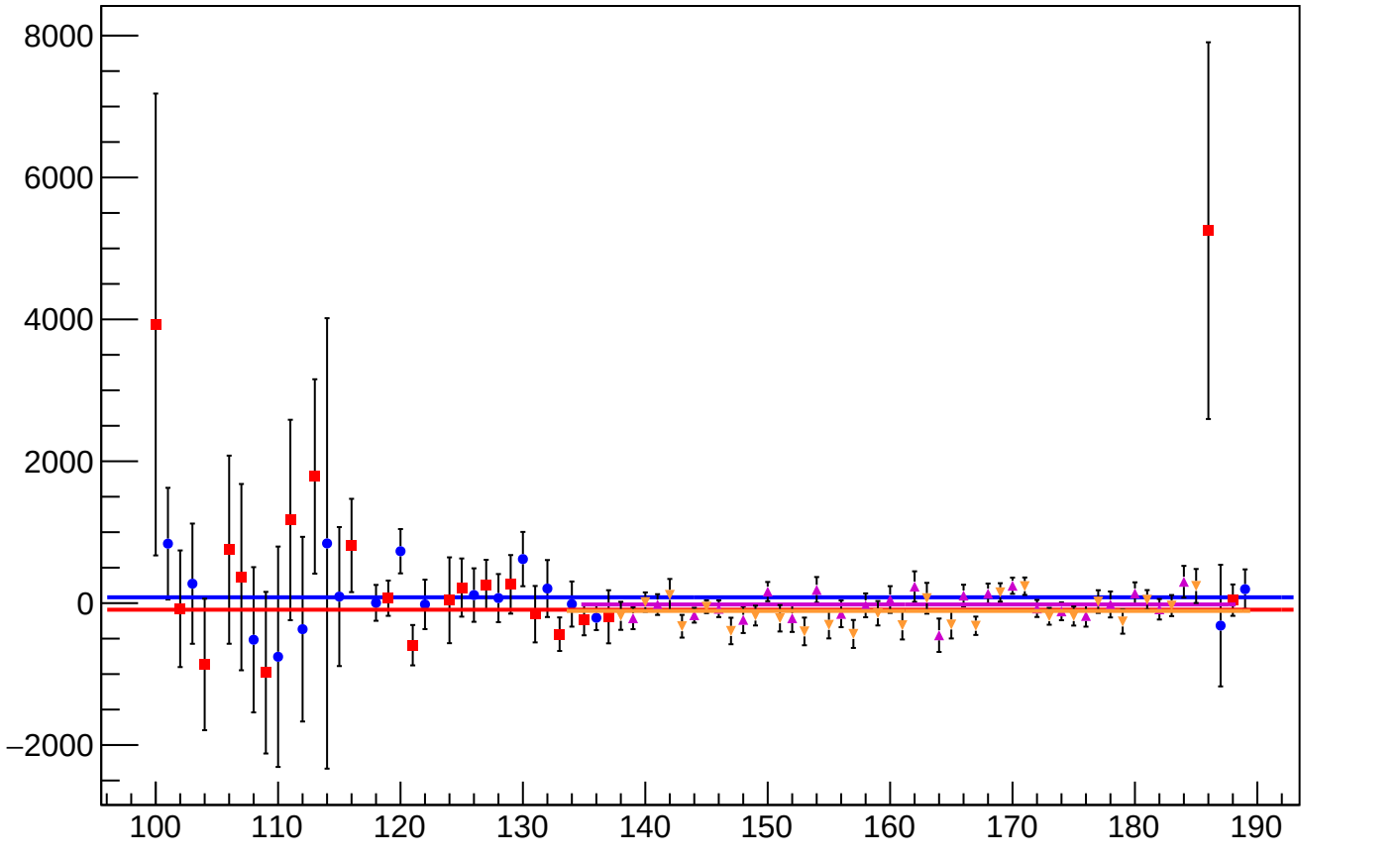
Right Out: 65.746+/-0.017 χ^2/NDF: 2158541.9/20

Left In: 42.579+/-0.007 χ^2/NDF:589901.9/22

+ sign 45.460+/-0.006 χ^2/NDF: 3412821.7/42

All: 45.780+/-0.005 χ^2/NDF: 7782331.1/86

- sign 46.120+/-0.007 χ^2/NDF: 4364291.9/43



Right In: 82.526+/-89.020 χ^2/NDF: 11.6/17

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: -92.684+/-86.978 χ^2/NDF: 20.9/20

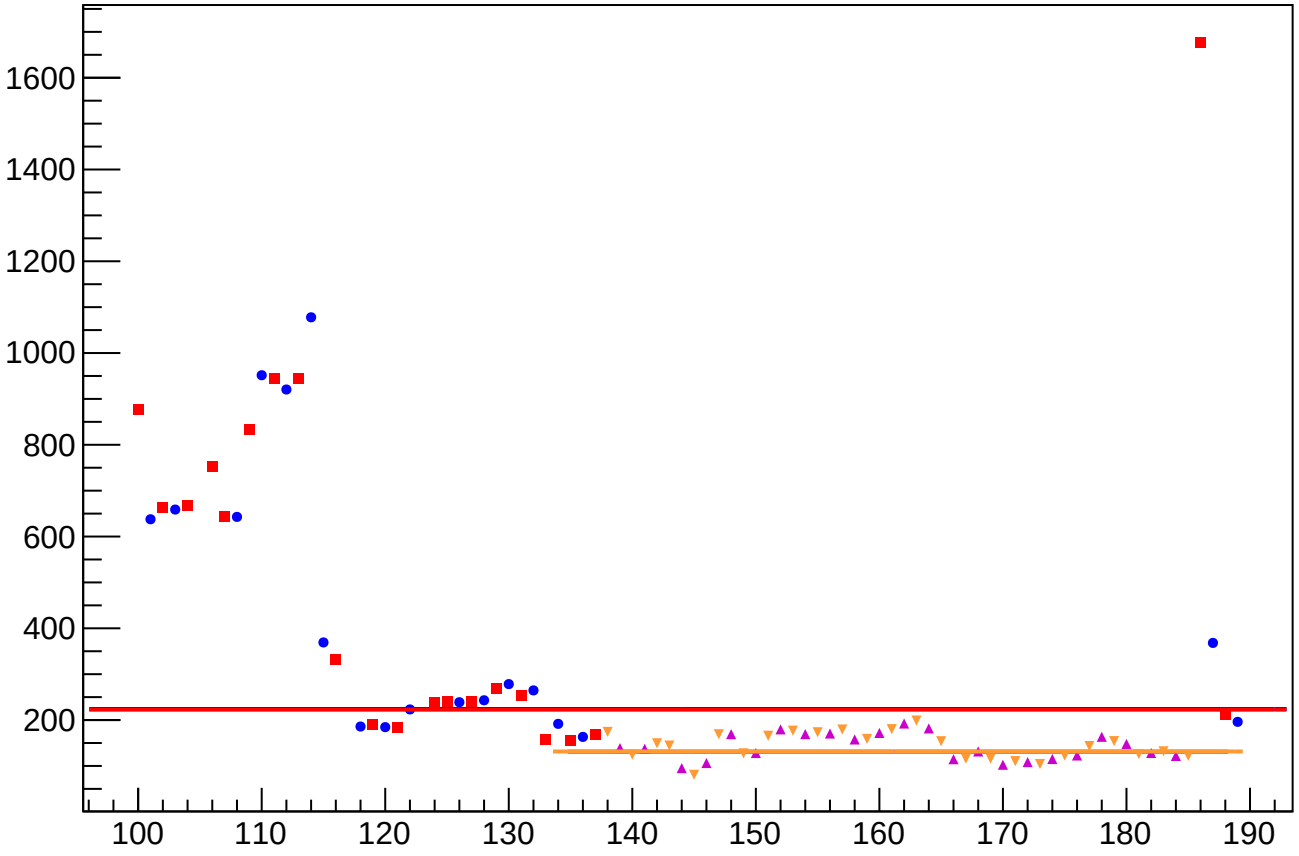
Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -89.349+/-29.072 χ^2/NDF: 52.0/42

All: -58.925+/-20.741 χ^2/NDF: 103.0/86

- sign -27.390+/-29.598 χ^2/NDF: 48.7/43

asym_sam_37_26_dd_eigen_dit_correction_rms vs Slug



Right In: 224.153+/-0.063 χ^2/NDF: 3103088.7/17

Left Out: 131.515+/-0.022 χ^2/NDF:1902951.8/24

Right Out: 222.688+/-0.062 χ^2/NDF: 4452554.5/20

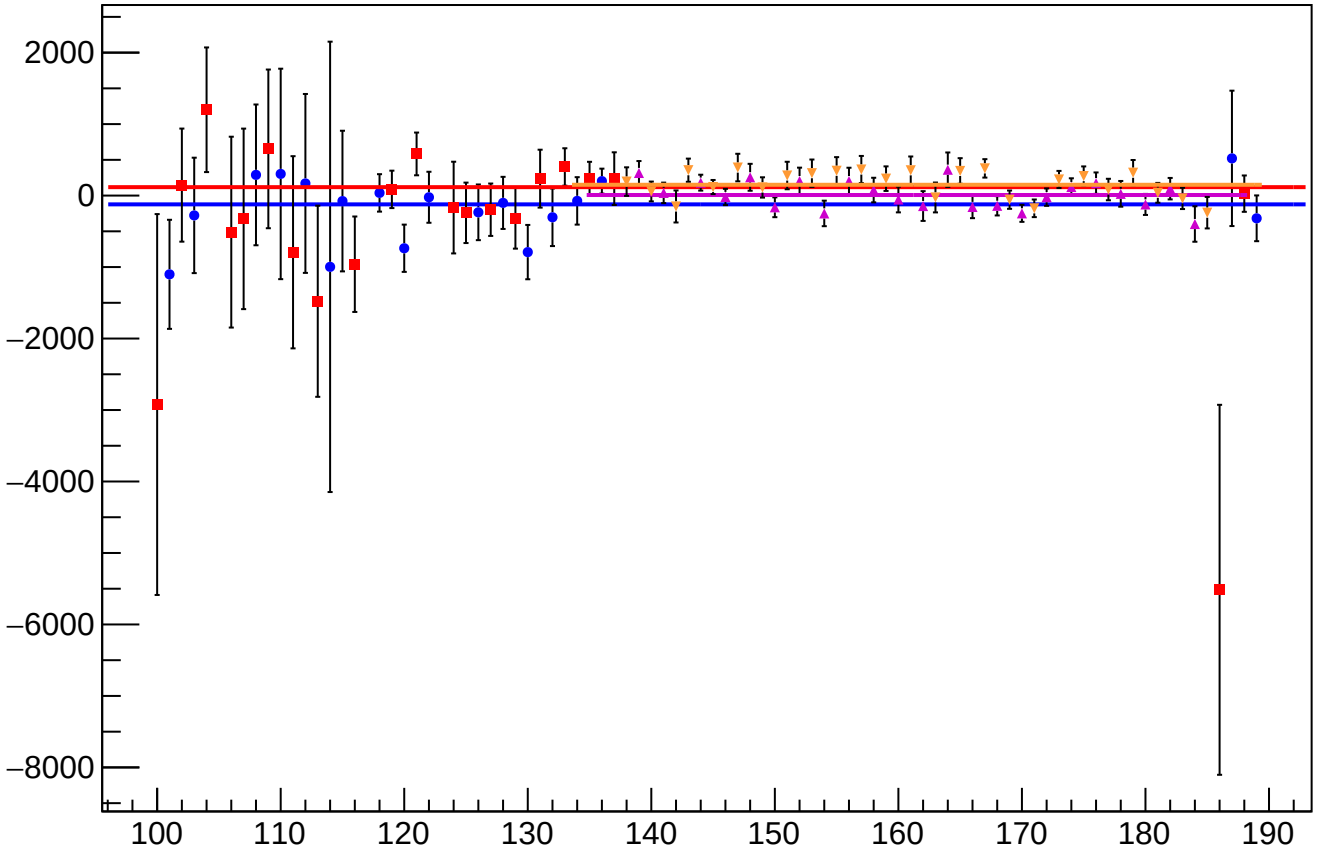
Left In: 131.074+/-0.022 χ^2/NDF:1467810.7/22

+ sign 141.396+/-0.021 χ^2/NDF: 6940901.9/42

All: 141.537+/-0.015 χ^2/NDF: 14823335.6/86

- sign 141.683+/-0.021 χ^2/NDF: 7882337.7/43

asym_sam_37_26_dd_mean vs Slug



Right In: -122.963+/-92.000 χ^2/NDF: 13.7/17

Left Out: 151.108+/-30.952 χ^2/NDF:33.1/24

Right Out: 117.881+/-92.336 χ^2/NDF: 19.6/20

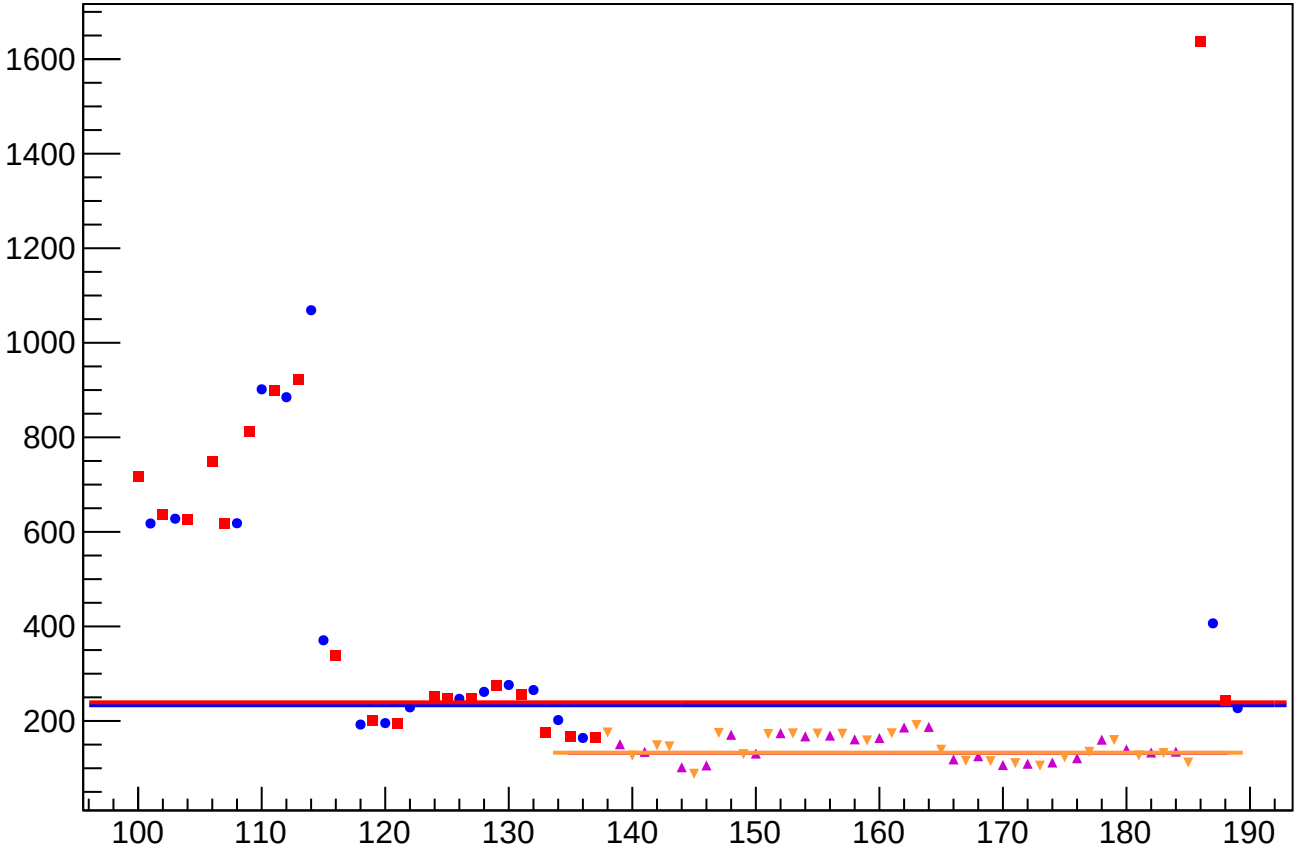
Left In: 7.941+/-31.621 χ^2/NDF:29.5/22

+ sign 123.241+/-29.336 χ^2/NDF: 54.7/42

All: 72.376+/-20.946 χ^2/NDF: 111.2/86

- sign 19.481+/-29.916 χ^2/NDF: 50.3/43

asym_sam_37_26_dd_rms vs Slug



Right In: 233.342+/-0.065 χ^2/NDF: 2953491.1/17

Left Out: 132.876+/-0.022 χ^2/NDF:1592310.5/24

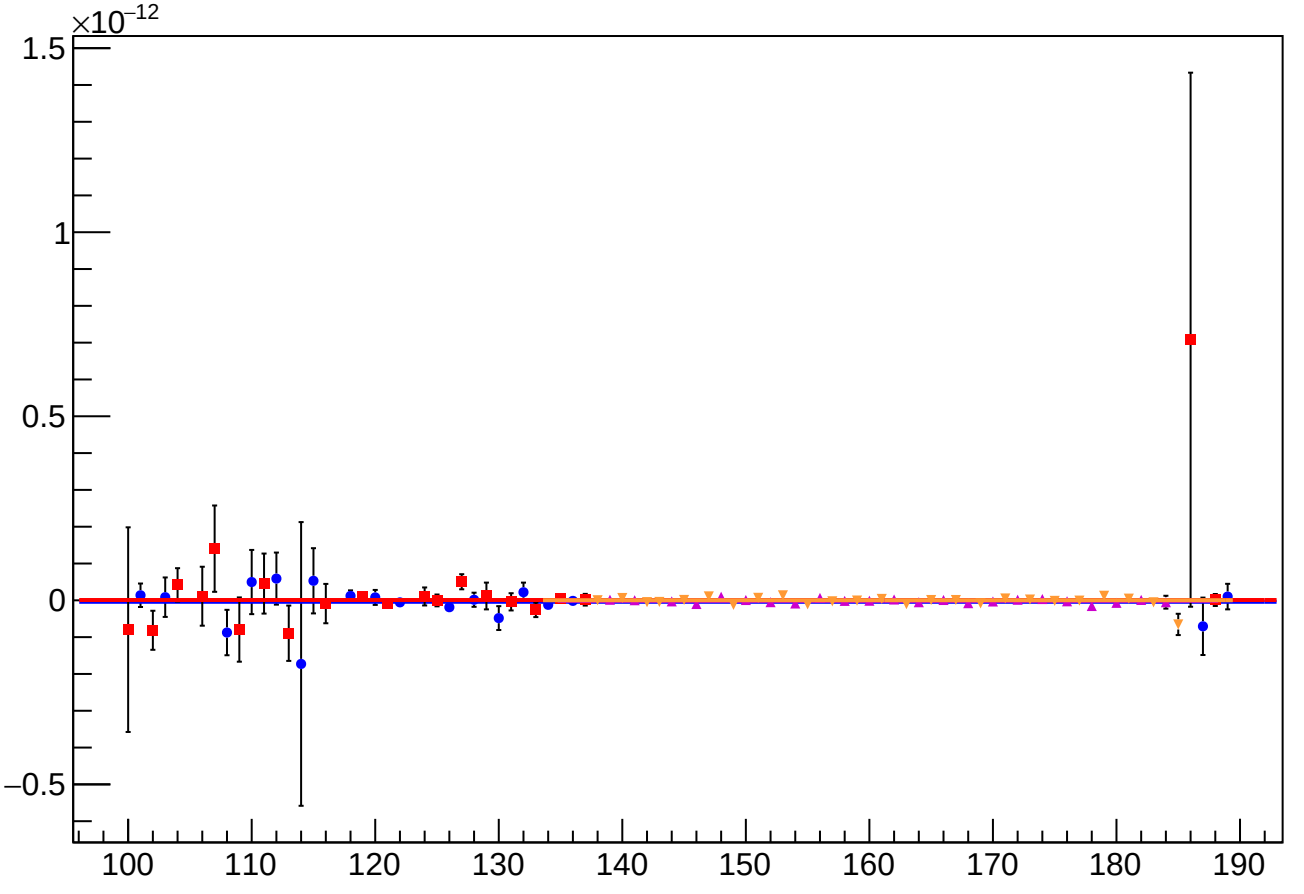
Right Out: 239.429+/-0.065 χ^2/NDF: 4106766.5/20

Left In: 132.342+/-0.022 χ^2/NDF:1277761.6/22

+ sign 143.091+/-0.021 χ^2/NDF: 6688318.2/42

All: 143.332+/-0.015 χ^2/NDF: 14480801.1/86

- sign 143.582+/-0.021 χ^2/NDF: 7792207.7/43



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:32.2/24

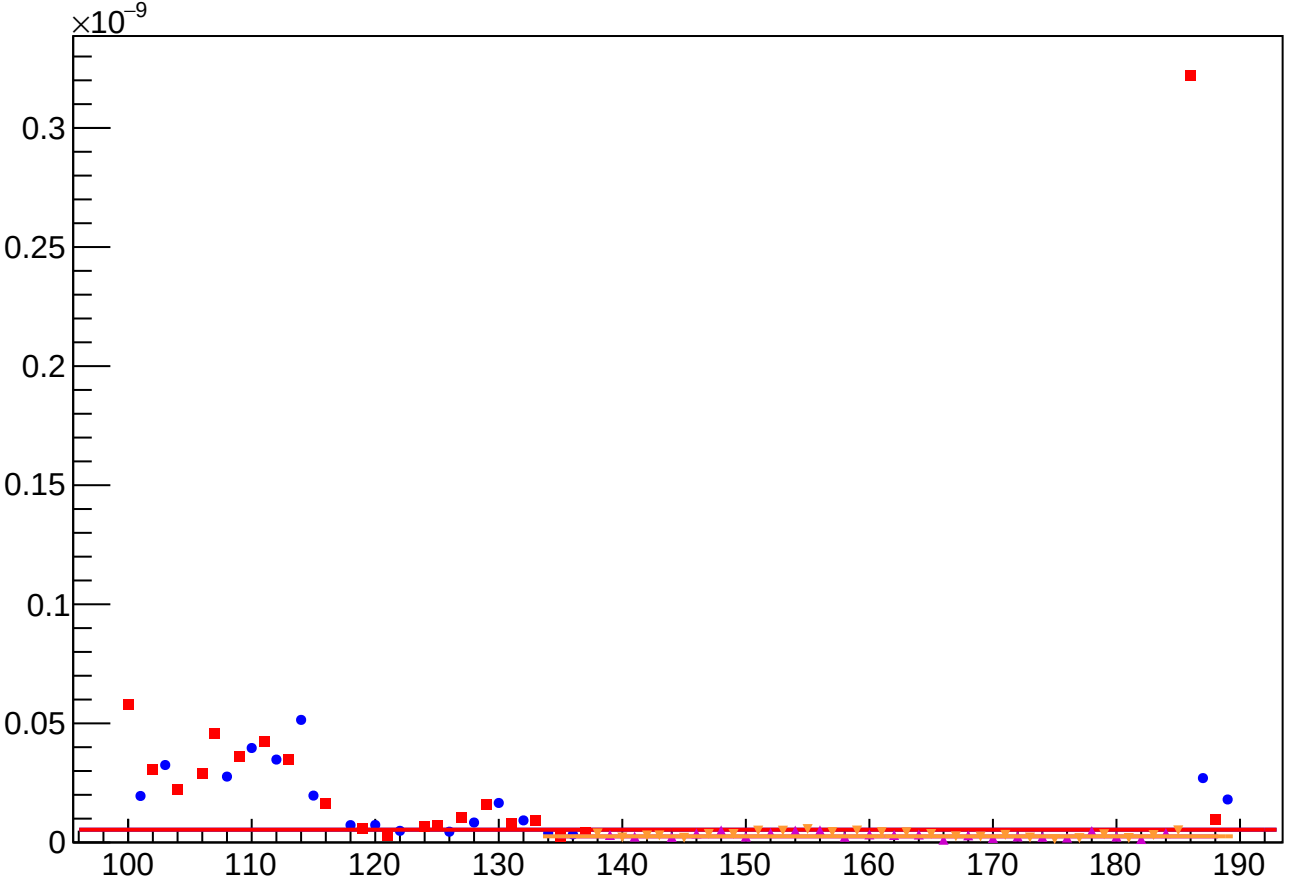
Right Out: 0.000+/-0.000 χ^2/NDF: 19.0/20

Left In: -0.000+/-0.000 χ^2/NDF:14.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 45.8/42

All: -0.000+/-0.000 χ^2/NDF: 80.6/86

- sign -0.000+/-0.000 χ^2/NDF: 34.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 3046068.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:2174042.6/24

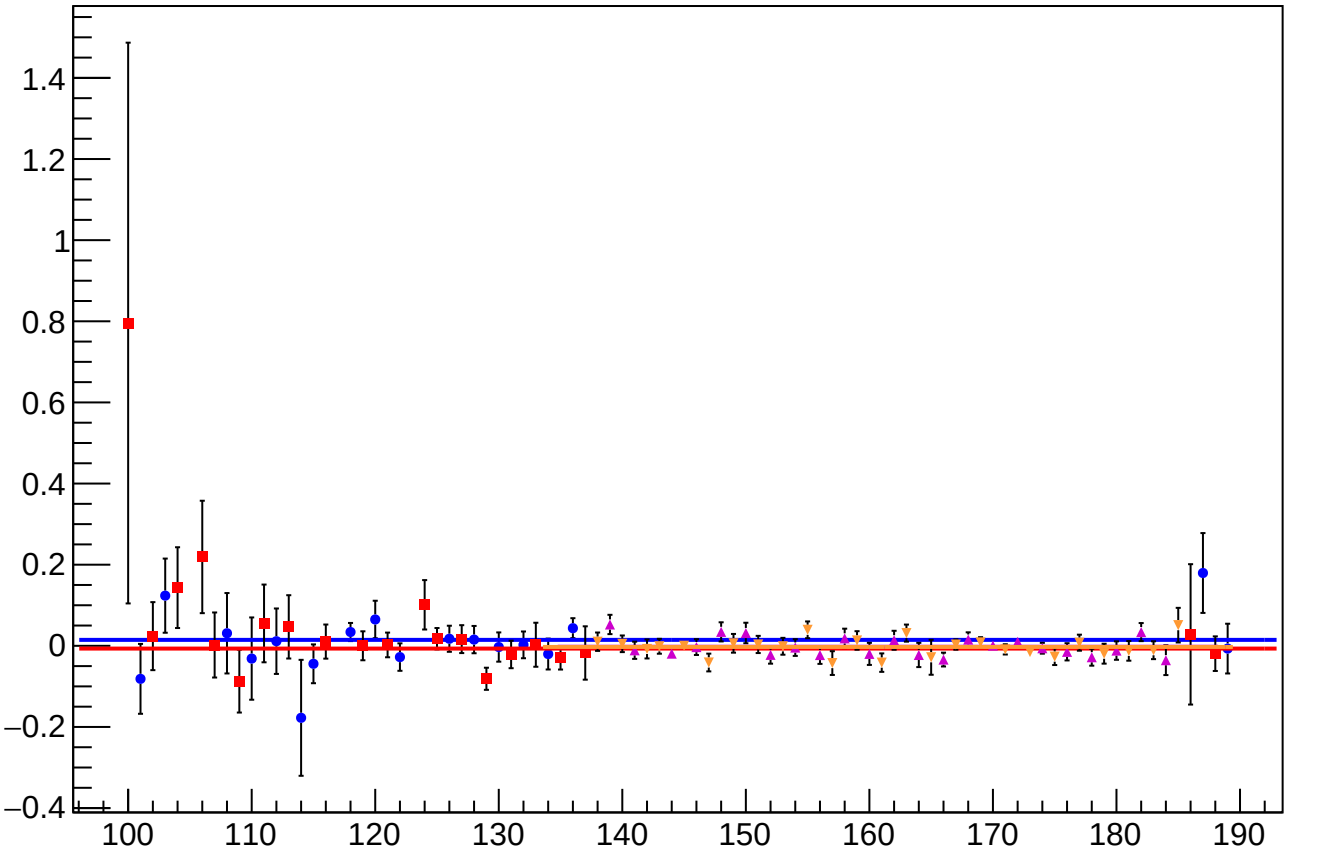
Right Out: 0.000+/-0.000 χ^2/NDF: 3758289.8/20

Left In: 0.000+/-0.000 χ^2/NDF:1530752.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6292173.8/42

All: 0.000+/-0.000 χ^2/NDF: 12587289.2/86

- sign 0.000+/-0.000 χ^2/NDF: 6292094.4/43



Right In: 0.015+/-0.010 χ^2/NDF: 15.3/17

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: -0.007+/-0.010 χ^2/NDF: 21.6/20

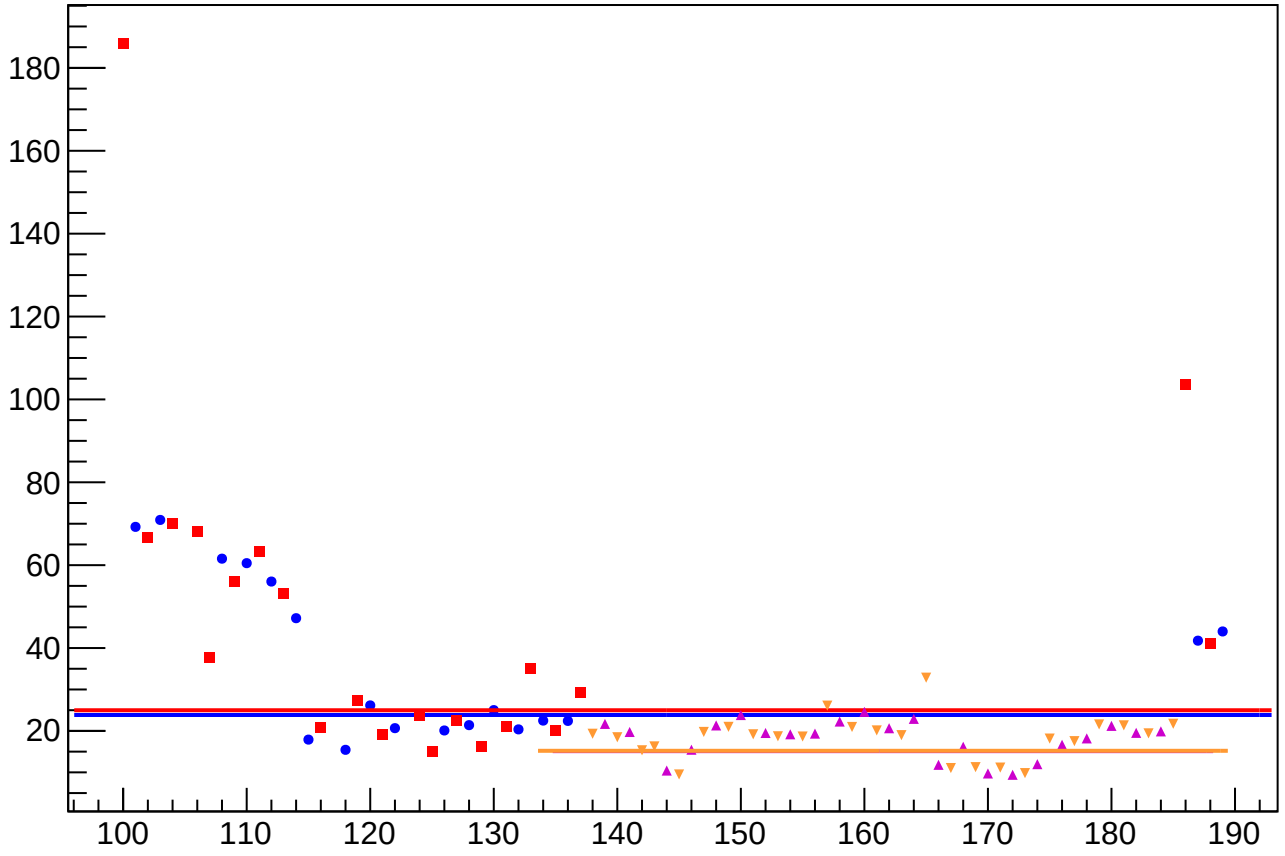
Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 40.7/42

All: -0.002+/-0.002 χ^2/NDF: 89.7/86

- sign -0.003+/-0.004 χ^2/NDF: 48.7/43

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 23.844+/-0.007 χ^2/NDF: 2699161.4/17

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

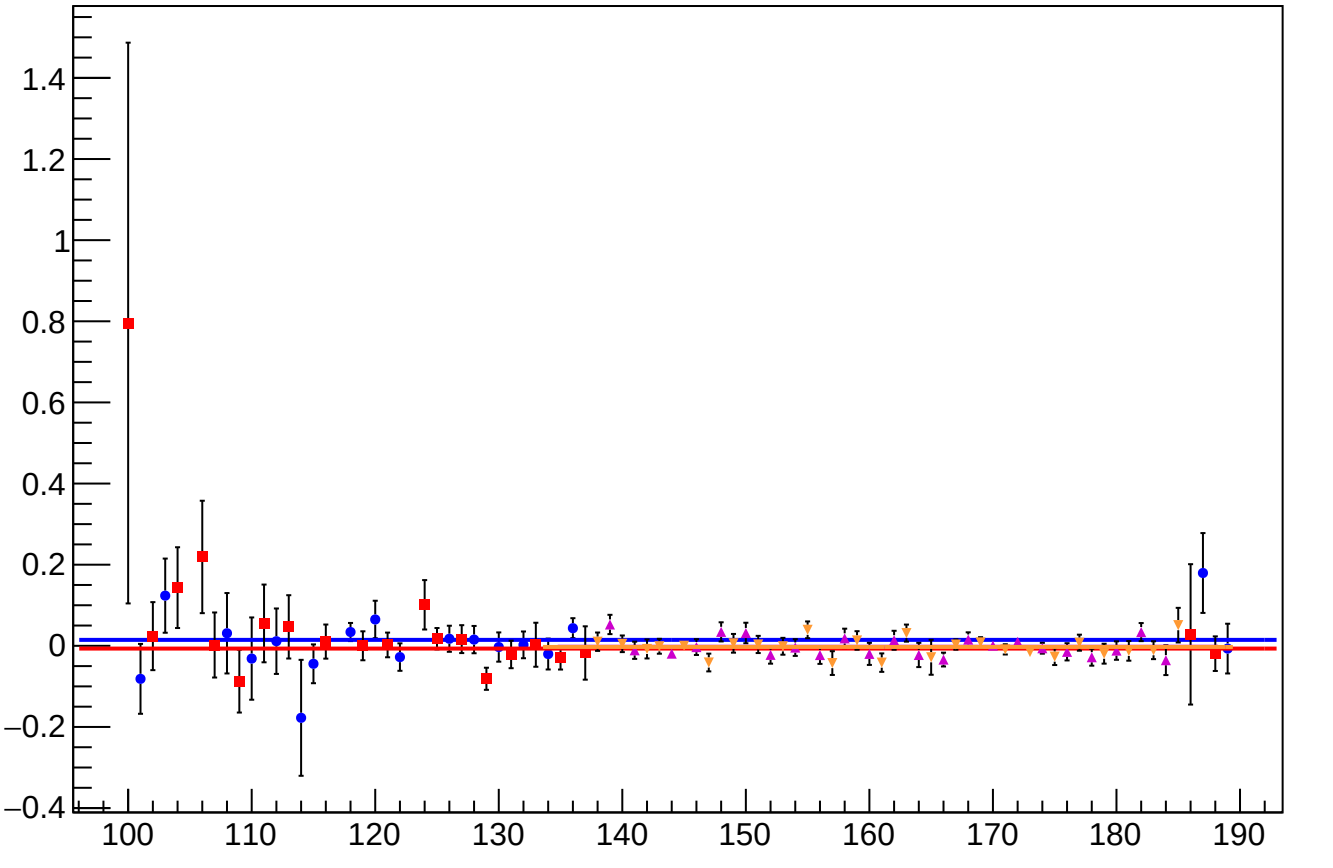
Right Out: 24.987+/-0.007 χ^2/NDF: 3622894.7/20

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

\+ sign 16.307+/-0.002 χ^2/NDF: 7533009.8/42

All: 16.365+/-0.002 χ^2/NDF: 16325392.8/86

\- sign 16.426+/-0.003 χ^2/NDF: 8791245.3/43



Right In: 0.015+/-0.010 χ^2/NDF: 15.3/17

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

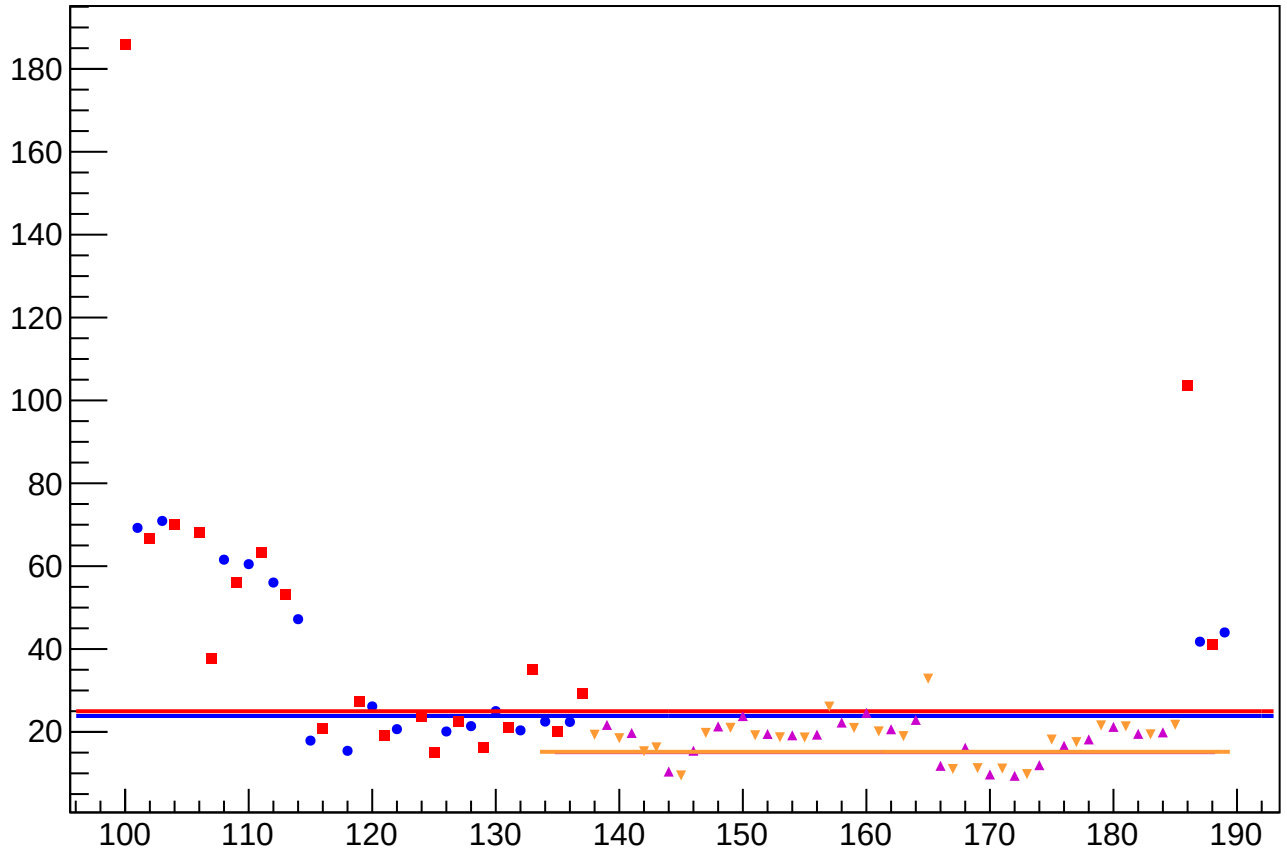
Right Out: -0.007+/-0.010 χ^2/NDF: 21.6/20

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 40.7/42

All: -0.002+/-0.002 χ^2/NDF: 89.7/86

- sign -0.003+/-0.004 χ^2/NDF: 48.7/43



Right In: 23.844+/-0.007 χ^2/NDF: 2699161.4/17

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

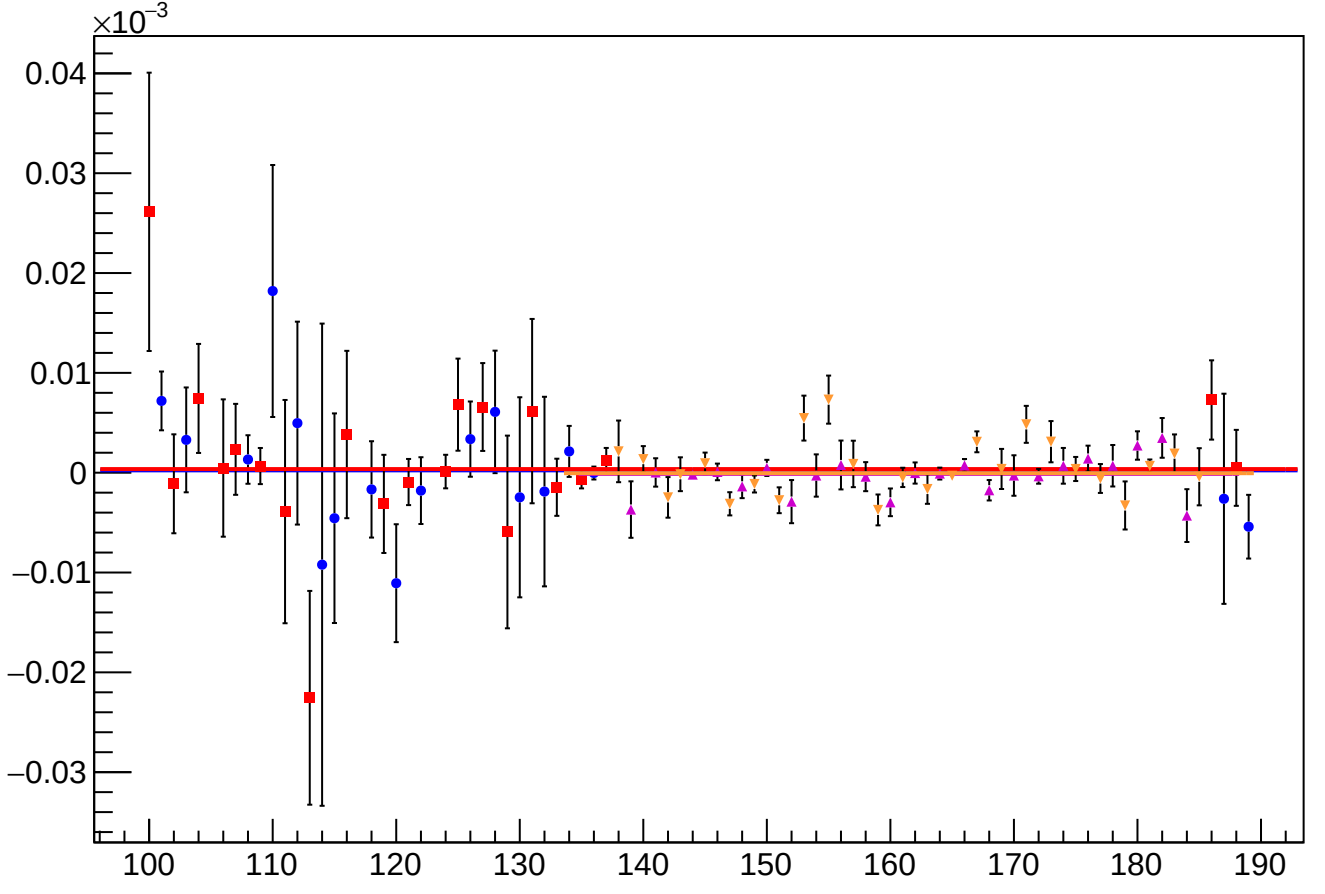
Right Out: 24.987+/-0.007 χ^2/NDF: 3622894.7/20

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

+ sign 16.307+/-0.002 χ^2/NDF: 7533009.8/42

All: 16.365+/-0.002 χ^2/NDF: 16325392.8/86

- sign 16.426+/-0.003 χ^2/NDF: 8791245.3/43



Right In: 0.000+/-0.000 χ^2/NDF: 18.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:62.8/24

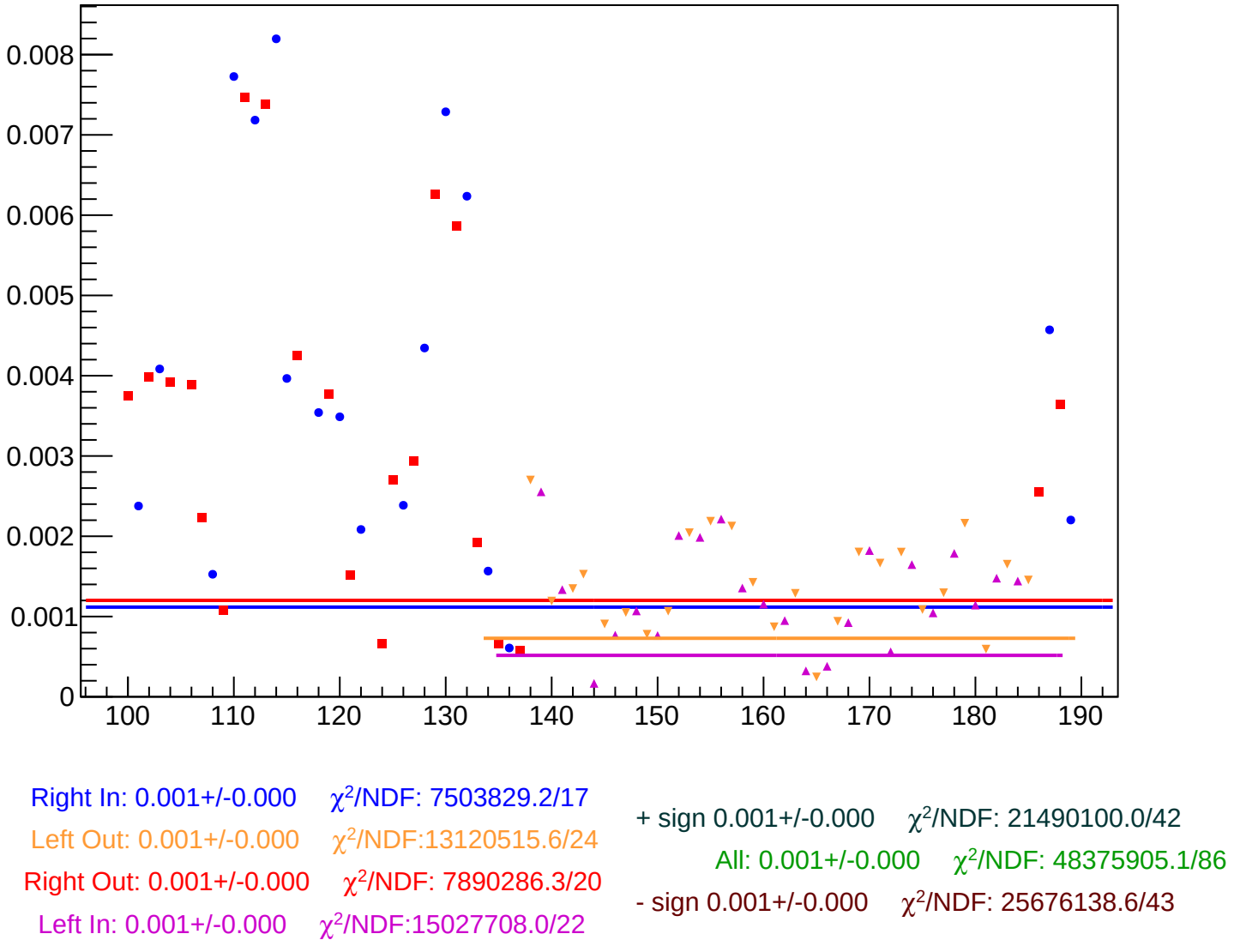
Right Out: 0.000+/-0.000 χ^2/NDF: 21.0/20

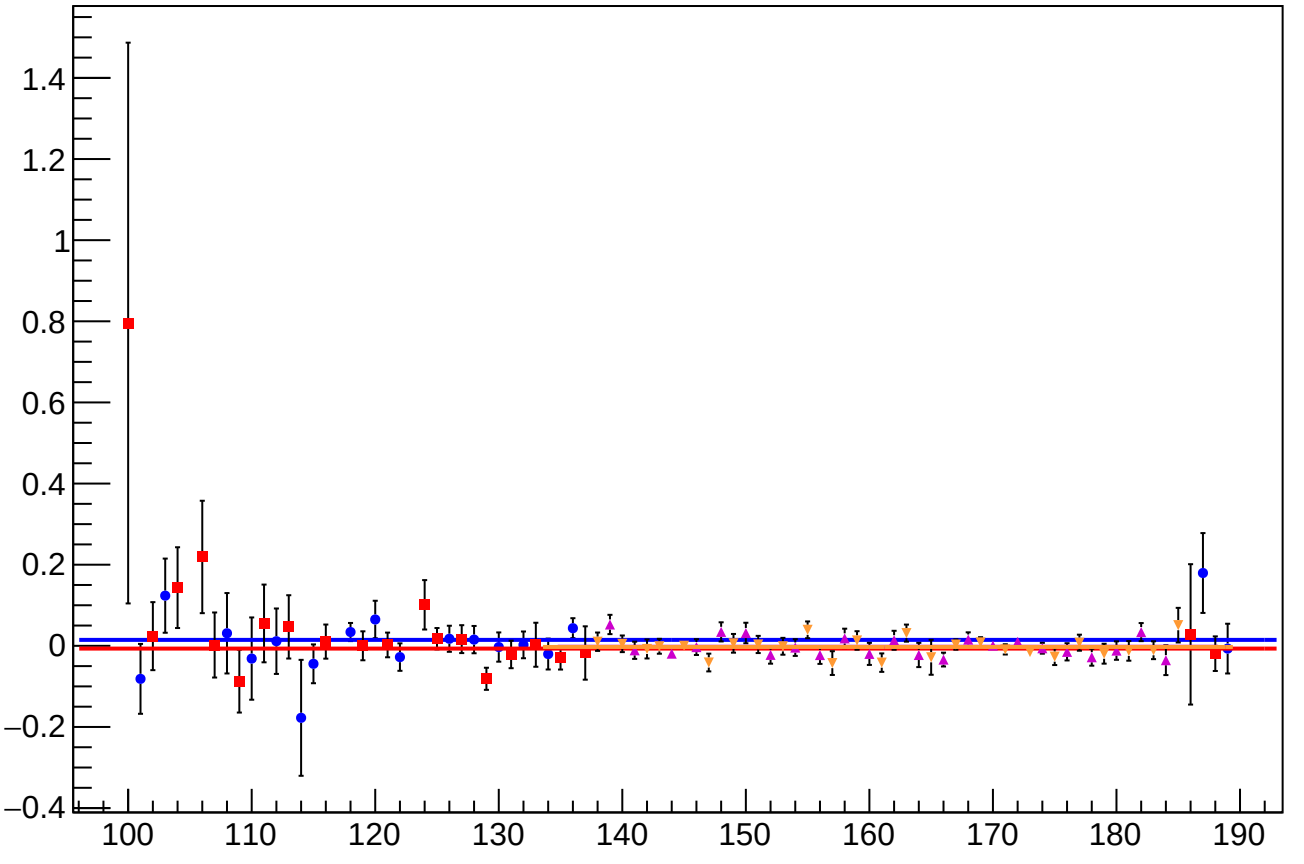
Left In: -0.000+/-0.000 χ^2/NDF:25.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 81.6/42

All: -0.000+/-0.000 χ^2/NDF: 128.8/86

- sign -0.000+/-0.000 χ^2/NDF: 47.1/43


asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.001+/-0.000 χ²/NDF: 7503829.2/17
Left Out: 0.001+/-0.000 χ²/NDF:13120515.6/24
Right Out: 0.001+/-0.000 χ²/NDF: 7890286.3/20
Left In: 0.001+/-0.000 χ²/NDF:15027708.0/22
+ sign 0.001+/-0.000 χ²/NDF: 21490100.0/42
All: 0.001+/-0.000 χ²/NDF: 48375905.1/86
- sign 0.001+/-0.000 χ²/NDF: 25676138.6/43



Right In: 0.015+/-0.010 χ^2/NDF: 15.3/17

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

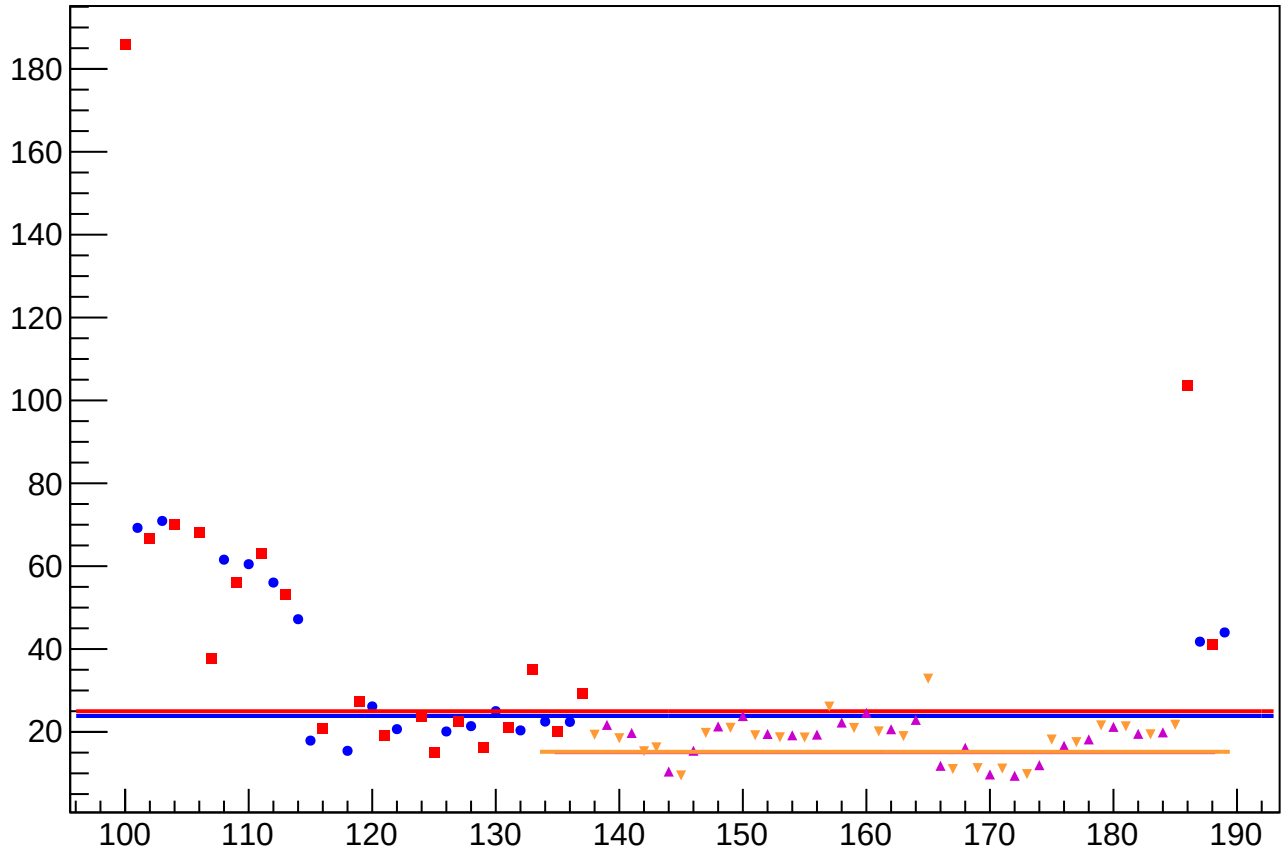
Right Out: -0.007+/-0.010 χ^2/NDF: 21.6/20

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 40.7/42

All: -0.002+/-0.002 χ^2/NDF: 89.7/86

- sign -0.003+/-0.004 χ^2/NDF: 48.7/43



Right In: 23.843+/-0.007 χ^2/NDF: 2699240.7/17

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

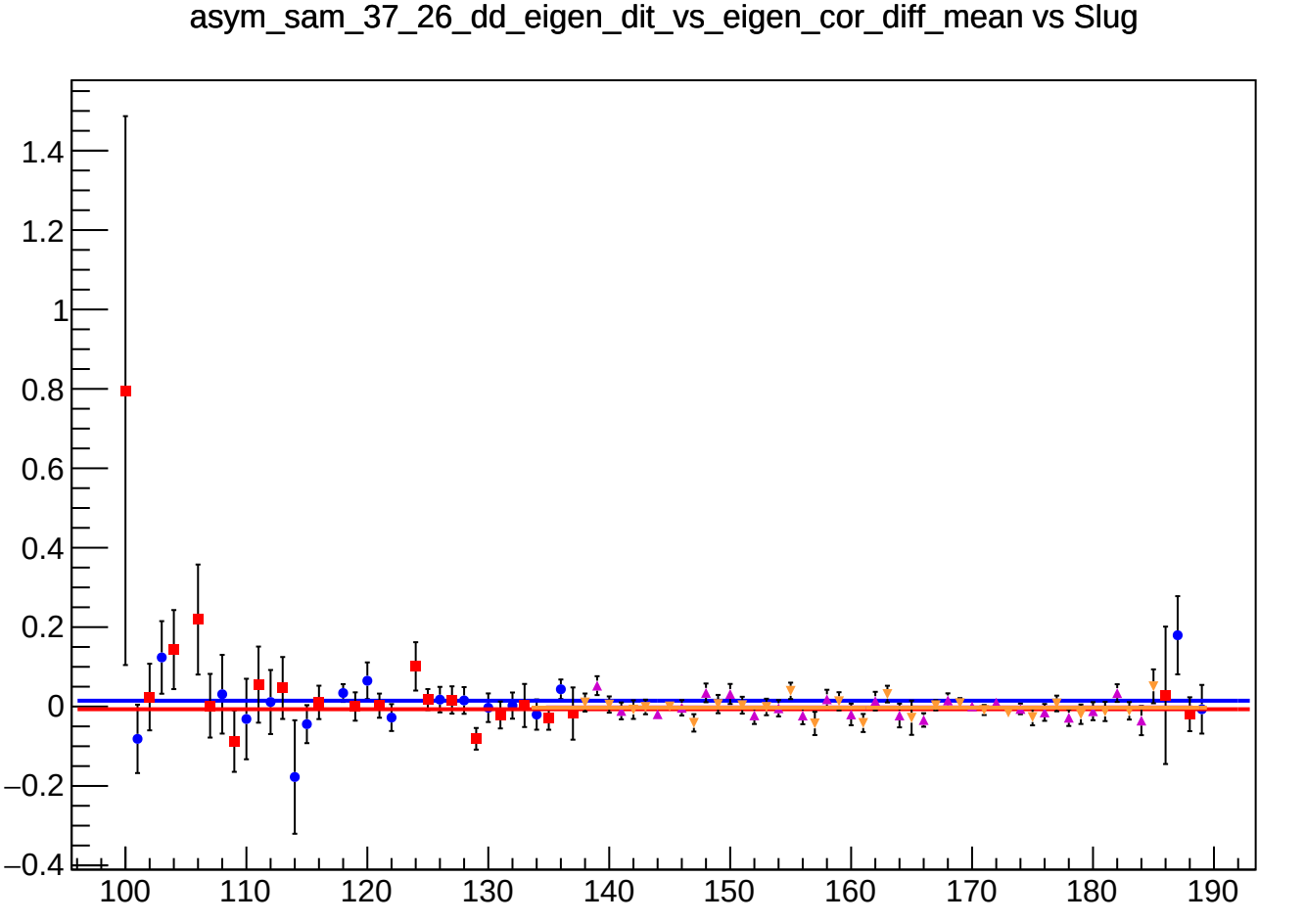
Right Out: 24.986+/-0.007 χ^2/NDF: 3622925.5/20

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

+ sign 16.307+/-0.002 χ^2/NDF: 7532865.0/42

All: 16.365+/-0.002 χ^2/NDF: 16325131.3/86

- sign 16.426+/-0.003 χ^2/NDF: 8791127.0/43



Right In: 0.015+/-0.010 χ^2/NDF: 15.3/17

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

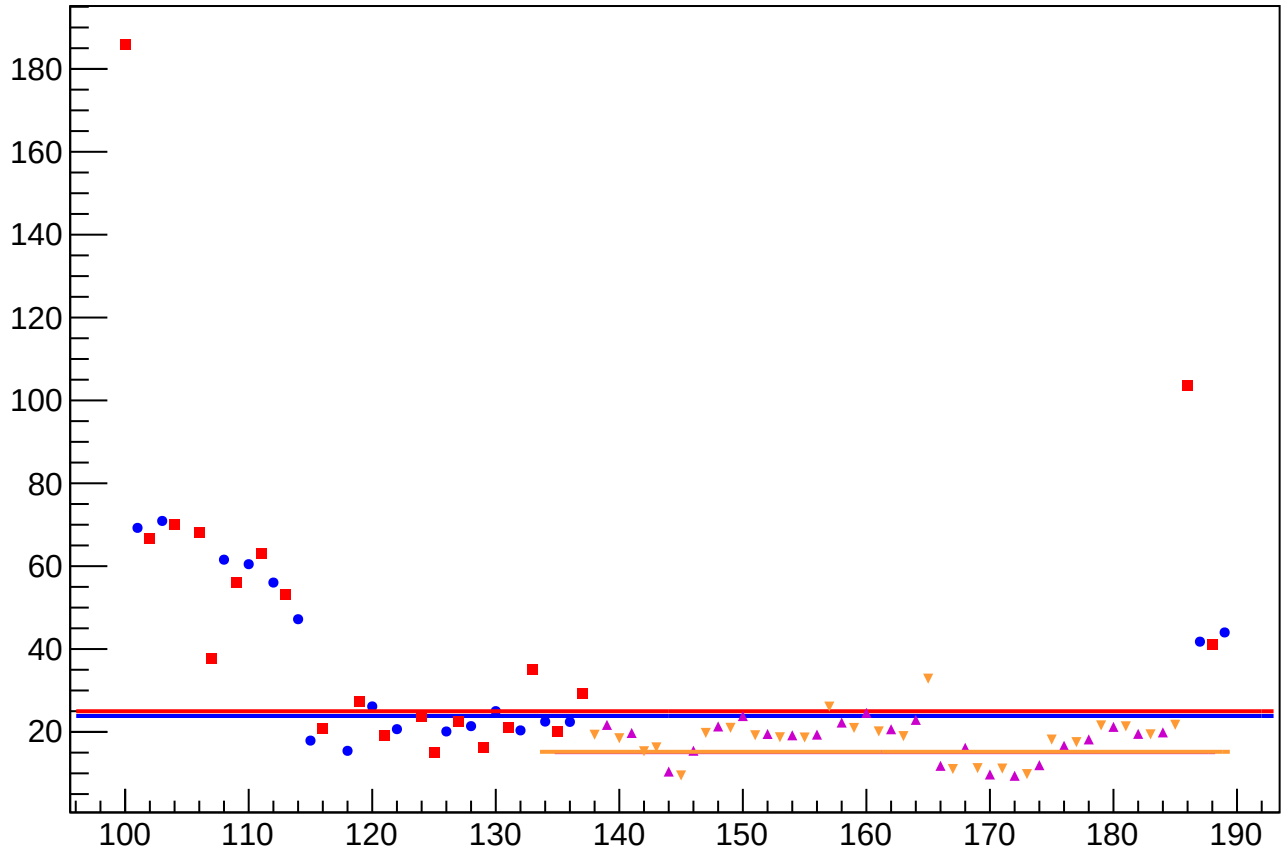
Right Out: -0.007+/-0.010 χ^2/NDF: 21.6/20

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 40.7/42

All: -0.002+/-0.002 χ^2/NDF: 89.7/86

- sign -0.003+/-0.004 χ^2/NDF: 48.7/43



Right In: 23.843+/-0.007 χ^2/NDF: 2699240.7/17

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

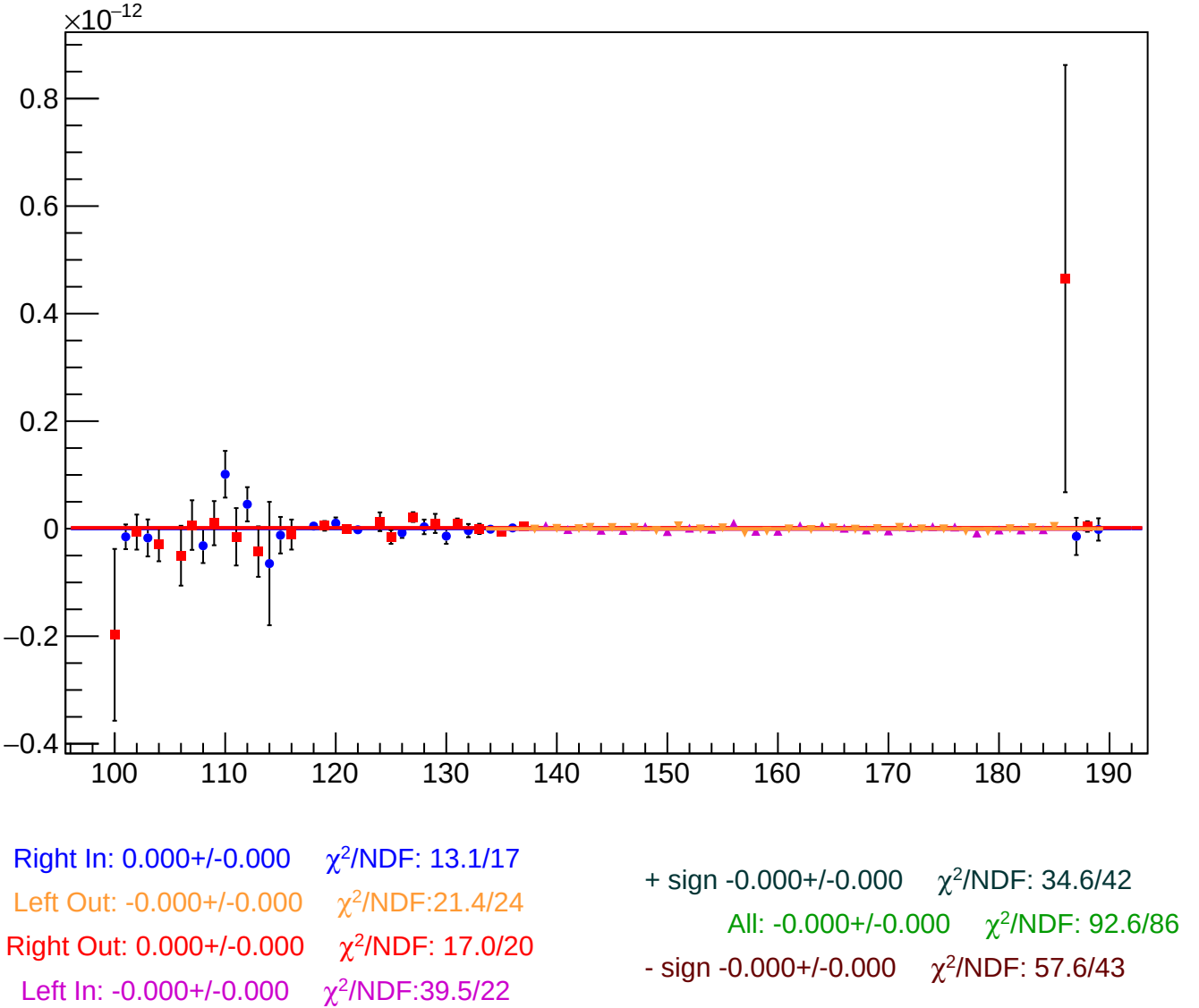
Right Out: 24.986+/-0.007 χ^2/NDF: 3622925.5/20

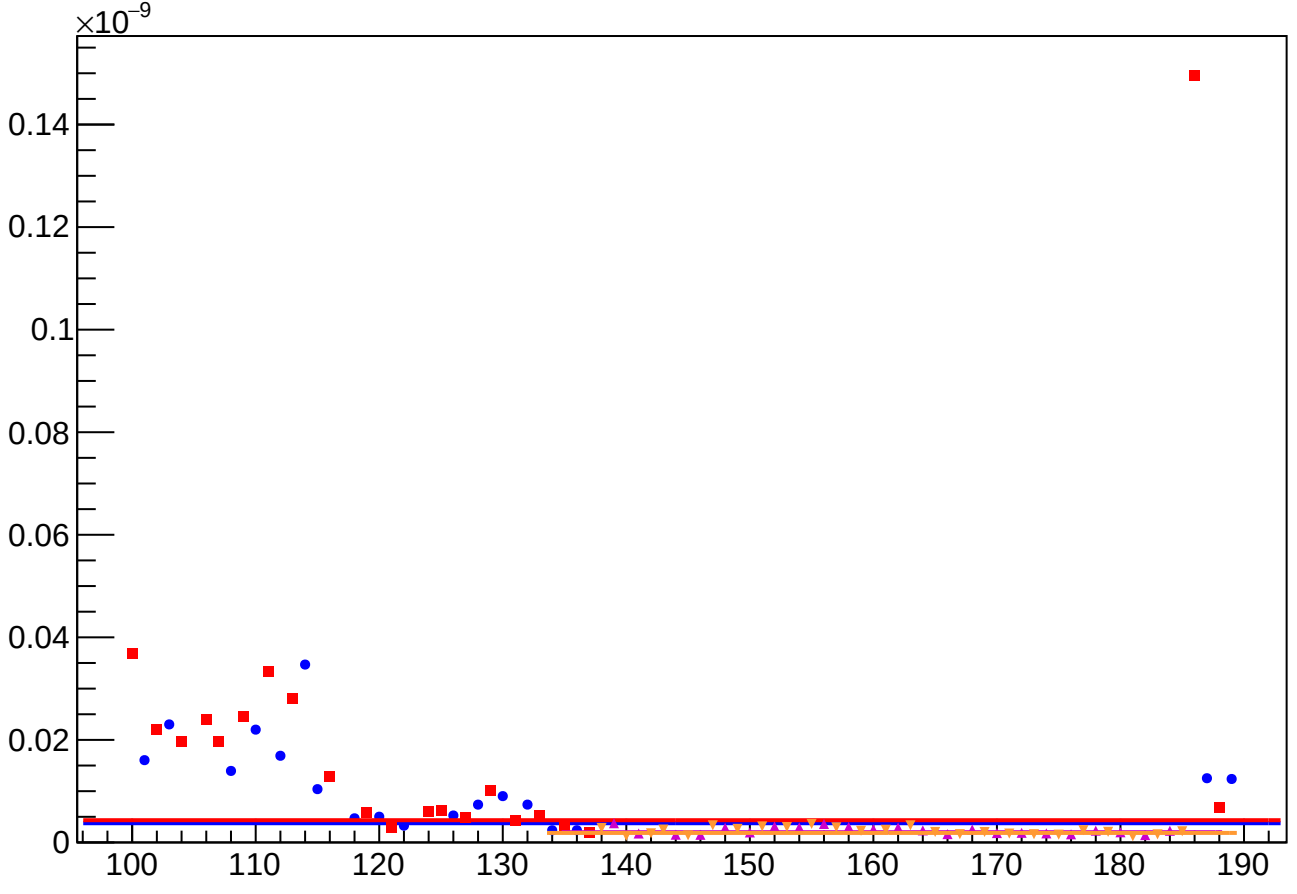
Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

+ sign 16.307+/-0.002 χ^2/NDF: 7532865.0/42

All: 16.365+/-0.002 χ^2/NDF: 16325131.3/86

- sign 16.426+/-0.003 χ^2/NDF: 8791127.0/43


asym_sam_37_26_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 13.1/17
Left Out: -0.000+/-0.000 χ²/NDF:21.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 17.0/20
Left In: -0.000+/-0.000 χ²/NDF:39.5/22
+ sign -0.000+/-0.000 χ²/NDF: 34.6/42
All: -0.000+/-0.000 χ²/NDF: 92.6/86
- sign -0.000+/-0.000 χ²/NDF: 57.6/43



Right In: 0.000+/-0.000 χ^2/NDF: 4069457.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:2645485.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4855376.9/20

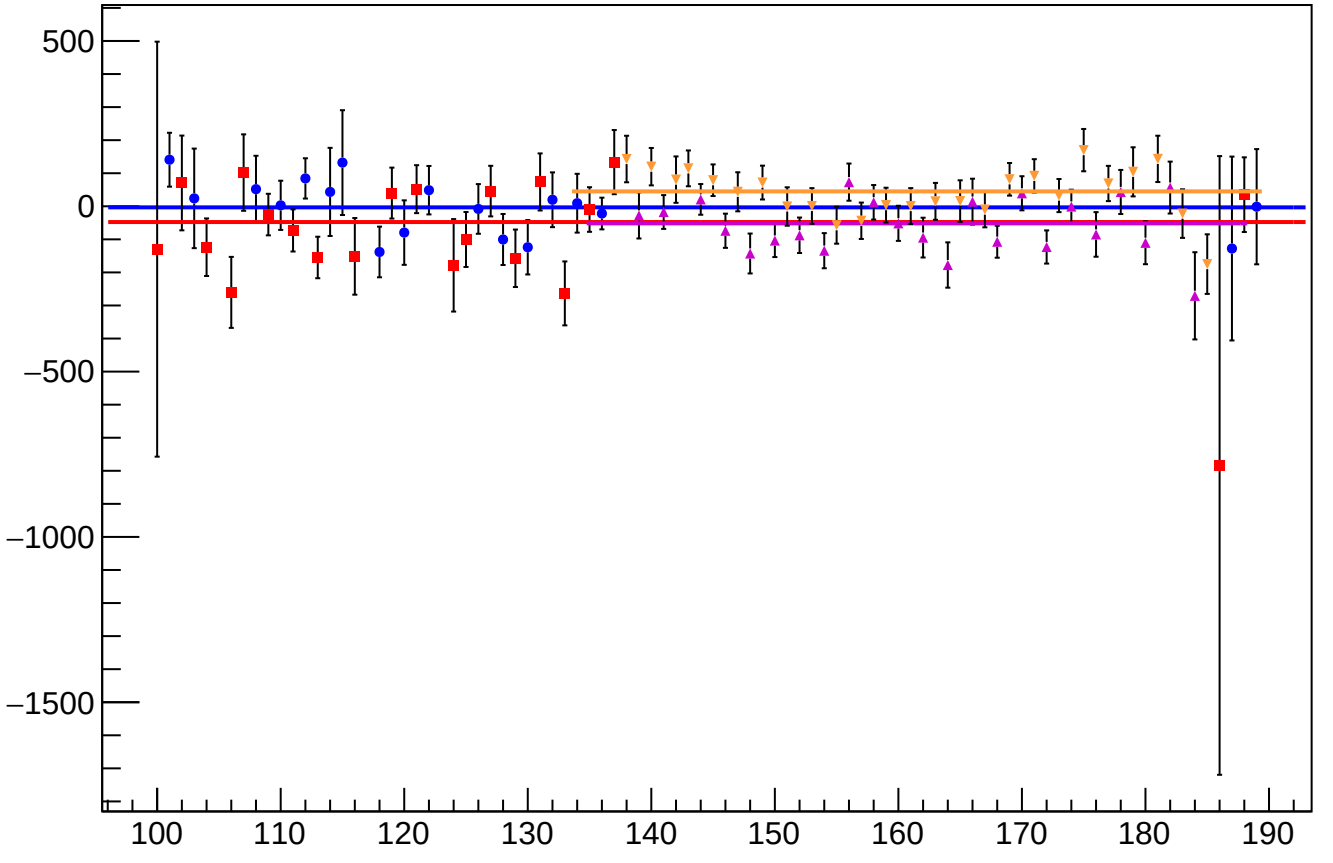
Left In: 0.000+/-0.000 χ^2/NDF:1948585.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8318237.8/42

All: 0.000+/-0.000 χ^2/NDF: 17168044.4/86

- sign 0.000+/-0.000 χ^2/NDF: 8757515.5/43

reg_asym_sam_1357_avg_mean vs Slug



Right In: -3.232+/-19.814 χ^2/NDF: 14.8/17

Left Out: 45.093+/-11.495 χ^2/NDF:31.3/24

Right Out: -47.636+/-19.328 χ^2/NDF: 30.5/20

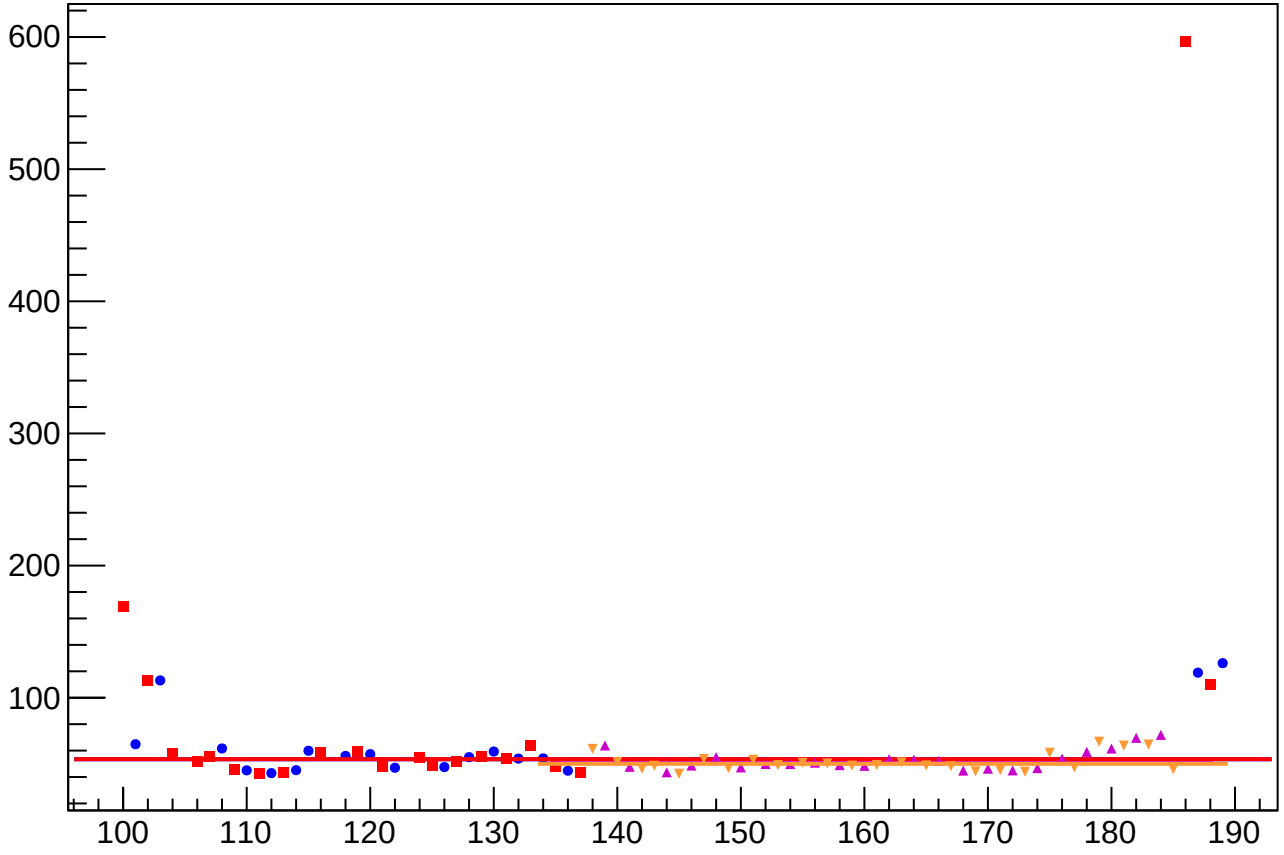
Left In: -51.616+/-11.929 χ^2/NDF:35.9/22

+ sign 32.924+/-9.943 χ^2/NDF: 50.6/42

All: -7.932+/-7.103 χ^2/NDF: 151.5/86

- sign -50.518+/-10.151 χ^2/NDF: 66.4/43

reg_asym_sam_1357_avg_rms vs Slug



Right In: 53.425+/-0.014 χ^2/NDF: 1031027.9/17

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

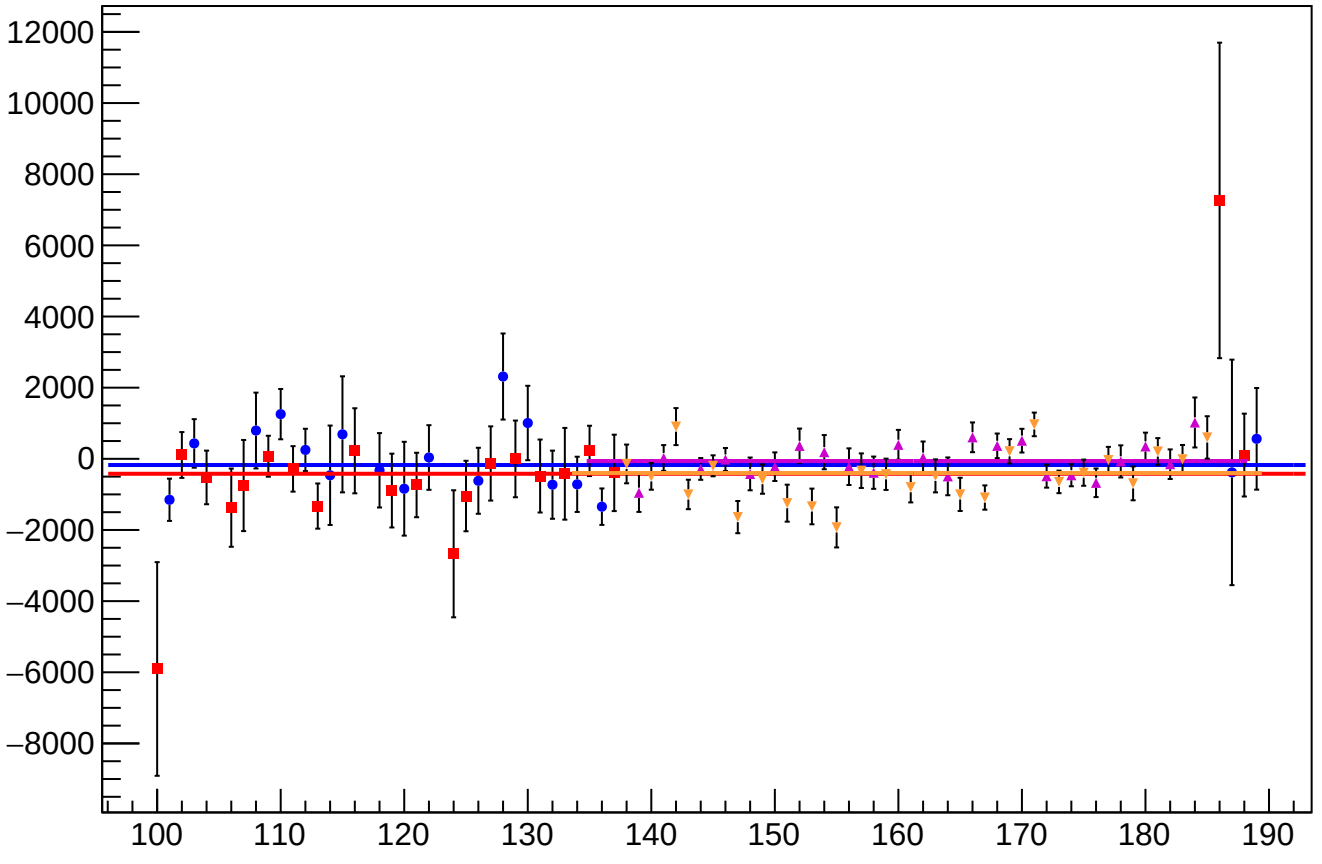
Right Out: 53.498+/-0.014 χ^2/NDF: 1835763.5/20

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 50.878+/-0.007 χ^2/NDF: 1584297.1/42

All: 51.102+/-0.005 χ^2/NDF: 3960099.0/86

- sign 51.336+/-0.007 χ^2/NDF: 2373729.5/43



Right In: -174.156+/-203.289 χ^2/NDF: 21.6/17

Left Out: -399.363+/-82.064 χ^2/NDF:65.4/24

Right Out: -420.161+/-200.655 χ^2/NDF: 14.5/20

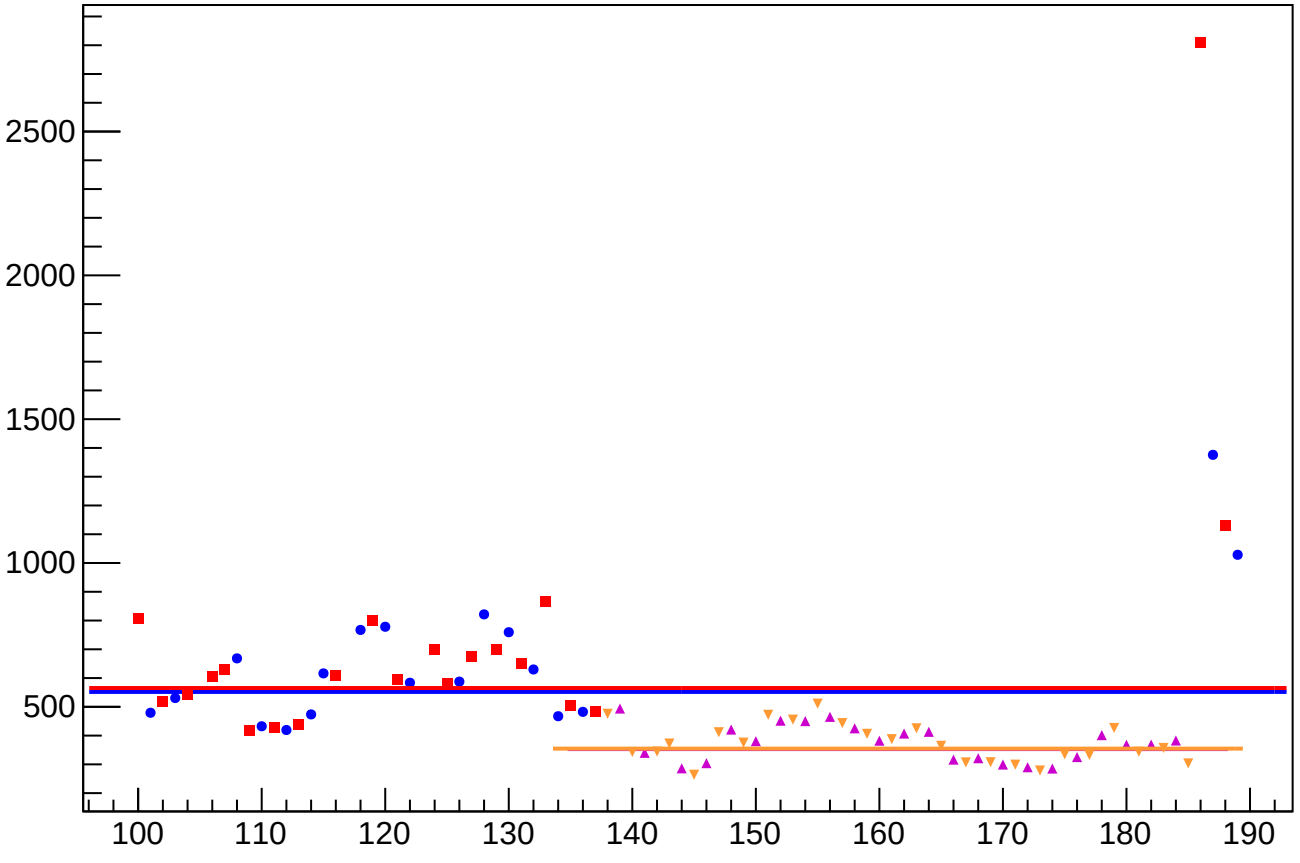
Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -367.806+/-76.097 χ^2/NDF: 88.1/42

All: -243.708+/-54.264 χ^2/NDF: 134.7/86

- sign -115.324+/-77.400 χ^2/NDF: 41.2/43

asym_sam_1357_avg_reg_correction_rms vs Slug



Right In: 551.835+/-0.144 χ^2/NDF: 980322.6/17

Left Out: 354.670+/-0.058 χ^2/NDF:1145465.6/24

Right Out: 565.368+/-0.142 χ^2/NDF: 1646596.7/20

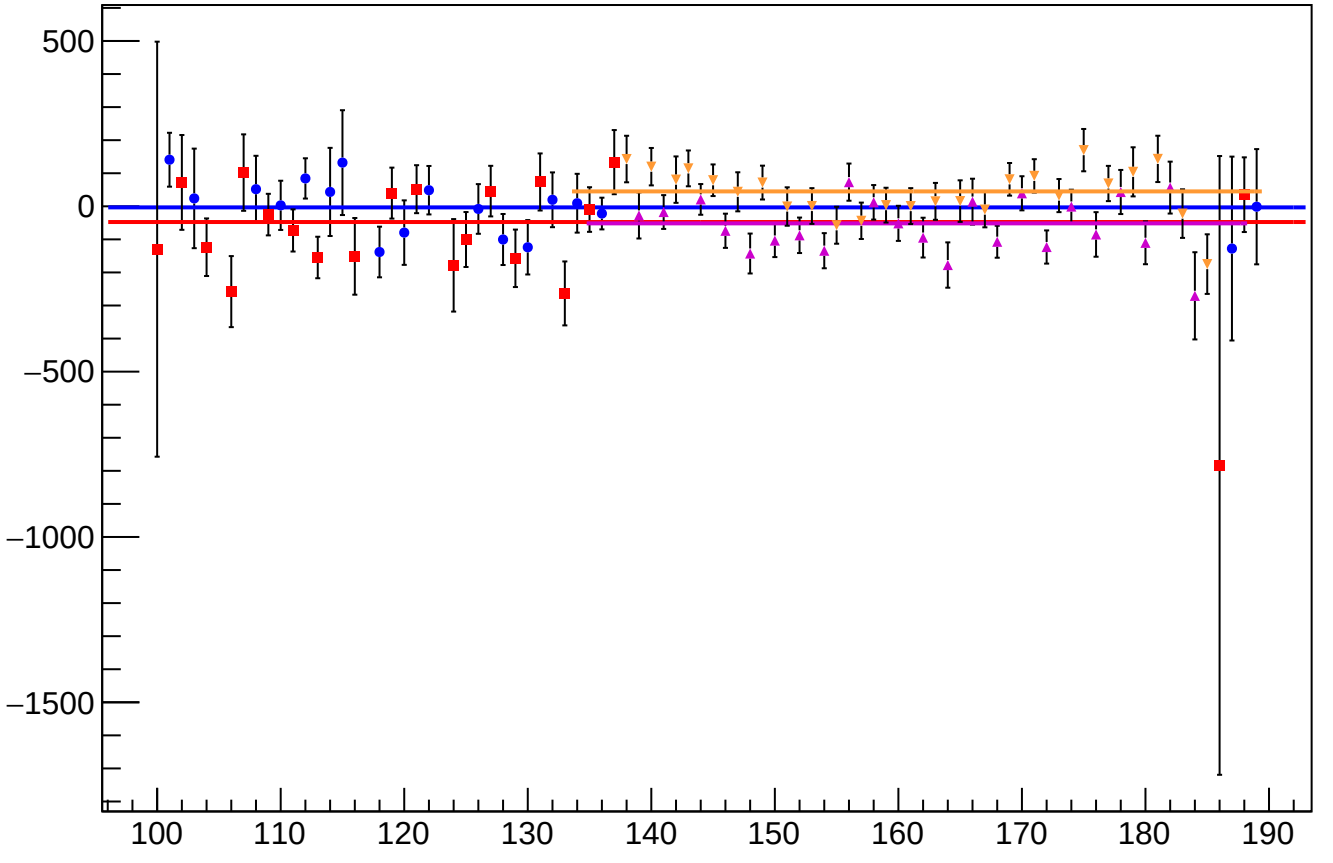
Left In: 353.110+/-0.059 χ^2/NDF:1004127.0/22

+ sign 382.297+/-0.054 χ^2/NDF: 3743490.5/42

All: 383.474+/-0.038 χ^2/NDF: 8300185.4/86

- sign 384.692+/-0.055 χ^2/NDF: 4555721.2/43

cor_asym_sam_1357_avg_mean vs Slug



Right In: -3.236+/-19.814 χ^2/NDF: 14.8/17

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: -47.522+/-19.328 χ^2/NDF: 30.4/20

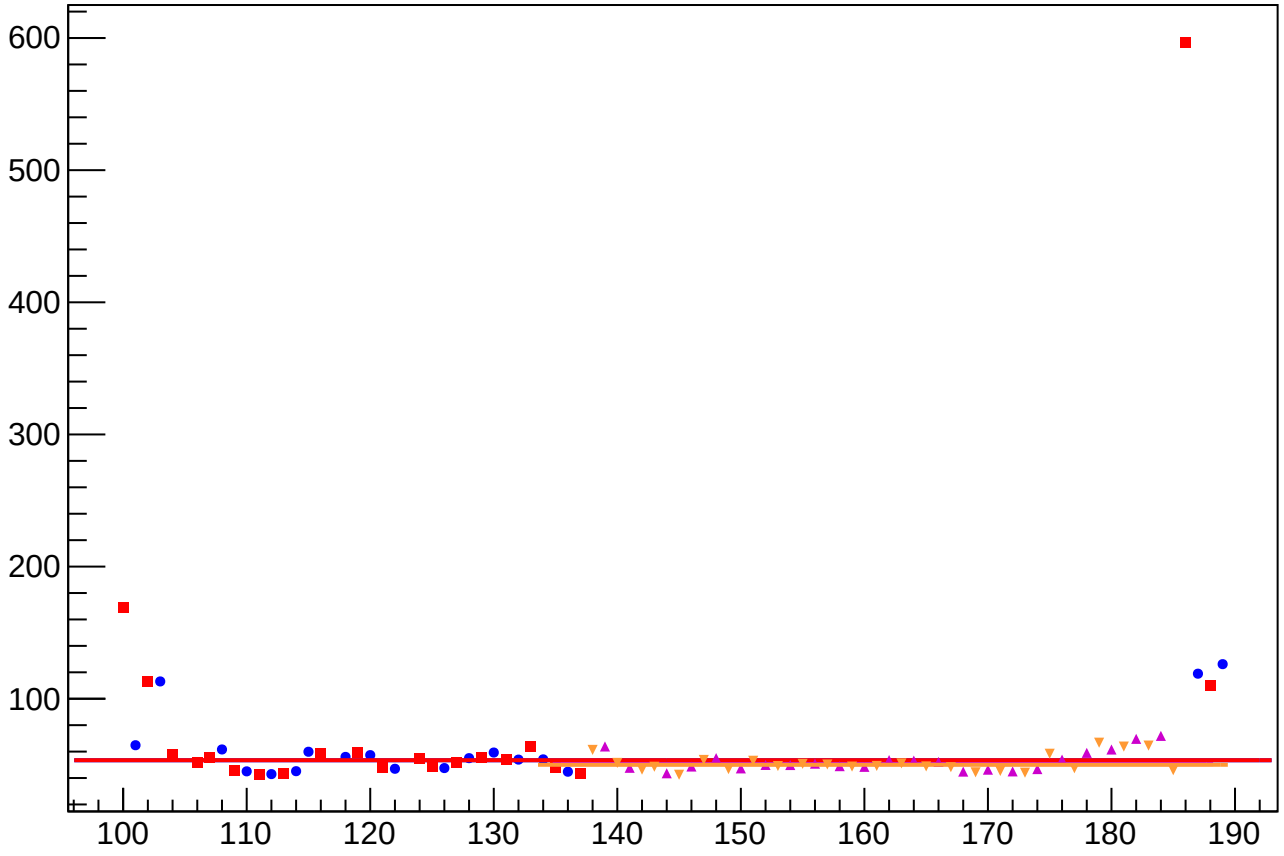
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 32.926+/-9.943 χ^2/NDF: 50.6/42

All: -7.915+/-7.103 χ^2/NDF: 151.4/86

- sign -50.487+/-10.151 χ^2/NDF: 66.3/43

cor_asym_sam_1357_avg_rms vs Slug



Right In: 53.425+/-0.014 χ^2/NDF: 1031030.2/17

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

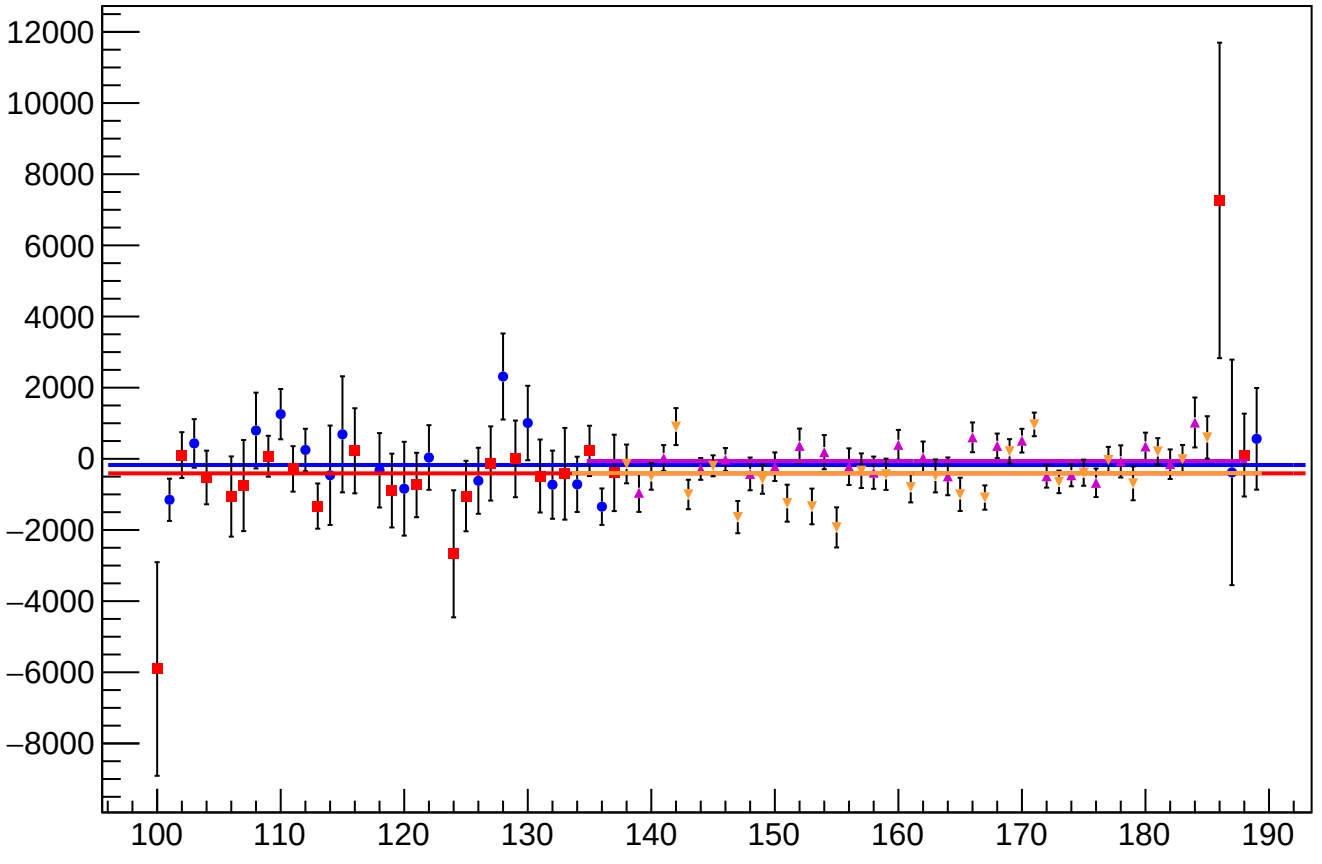
Right Out: 53.488+/-0.014 χ^2/NDF: 1836190.8/20

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 50.878+/-0.007 χ^2/NDF: 1584299.4/42

All: 51.101+/-0.005 χ^2/NDF: 3960273.6/86

- sign 51.333+/-0.007 χ^2/NDF: 2373926.7/43



Right In: -174.133+/-203.291 χ^2/NDF: 21.6/17

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

Right Out: -409.094+/-200.839 χ^2/NDF: 14.1/20

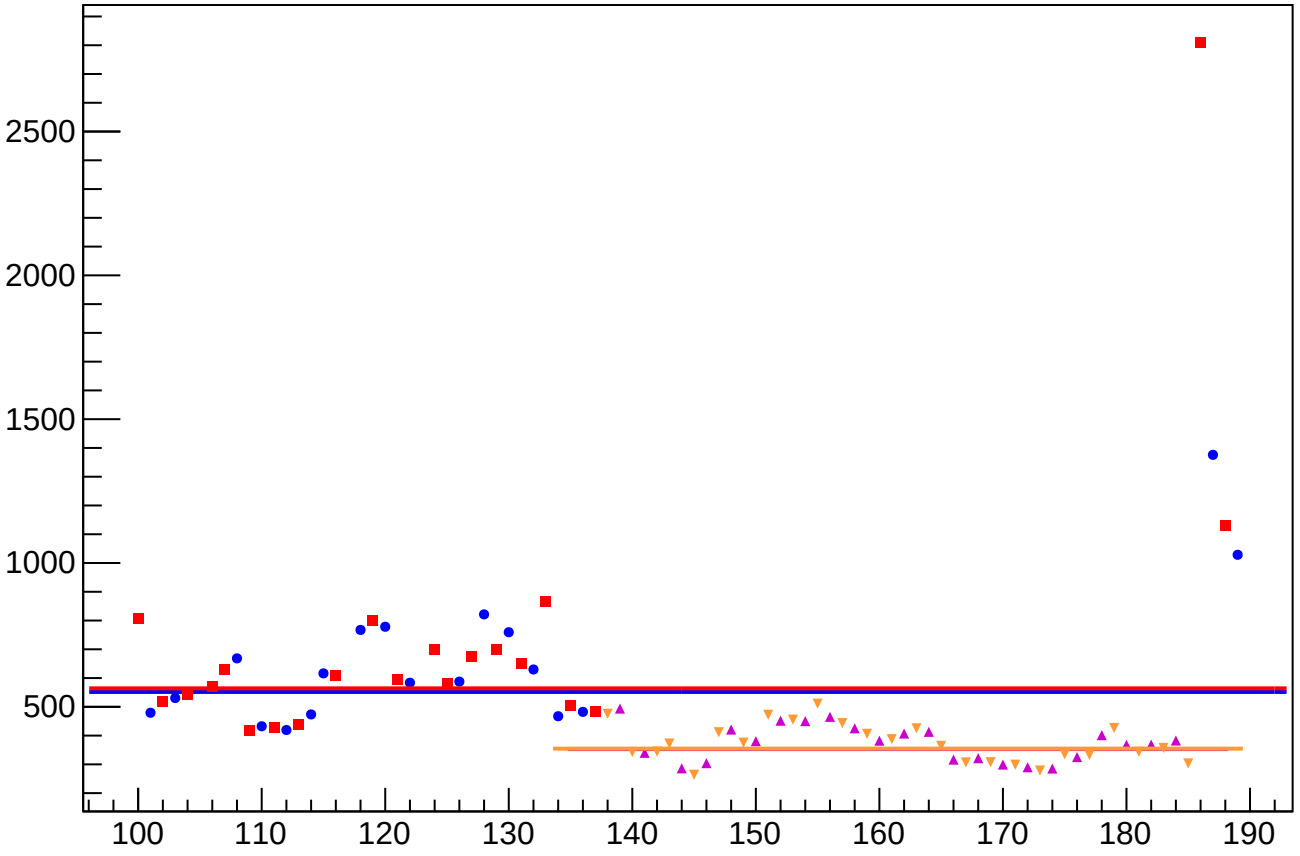
Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -367.800+/-76.097 χ^2/NDF: 88.1/42

All: -242.872+/-54.267 χ^2/NDF: 134.1/86

- sign -113.596+/-77.410 χ^2/NDF: 40.6/43

asym_sam_1357_avg_cor_correction_rms vs Slug



Right In: 551.840+/-0.144 χ^2/NDF: 980312.4/17

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 564.231+/-0.142 χ^2/NDF: 1643587.0/20

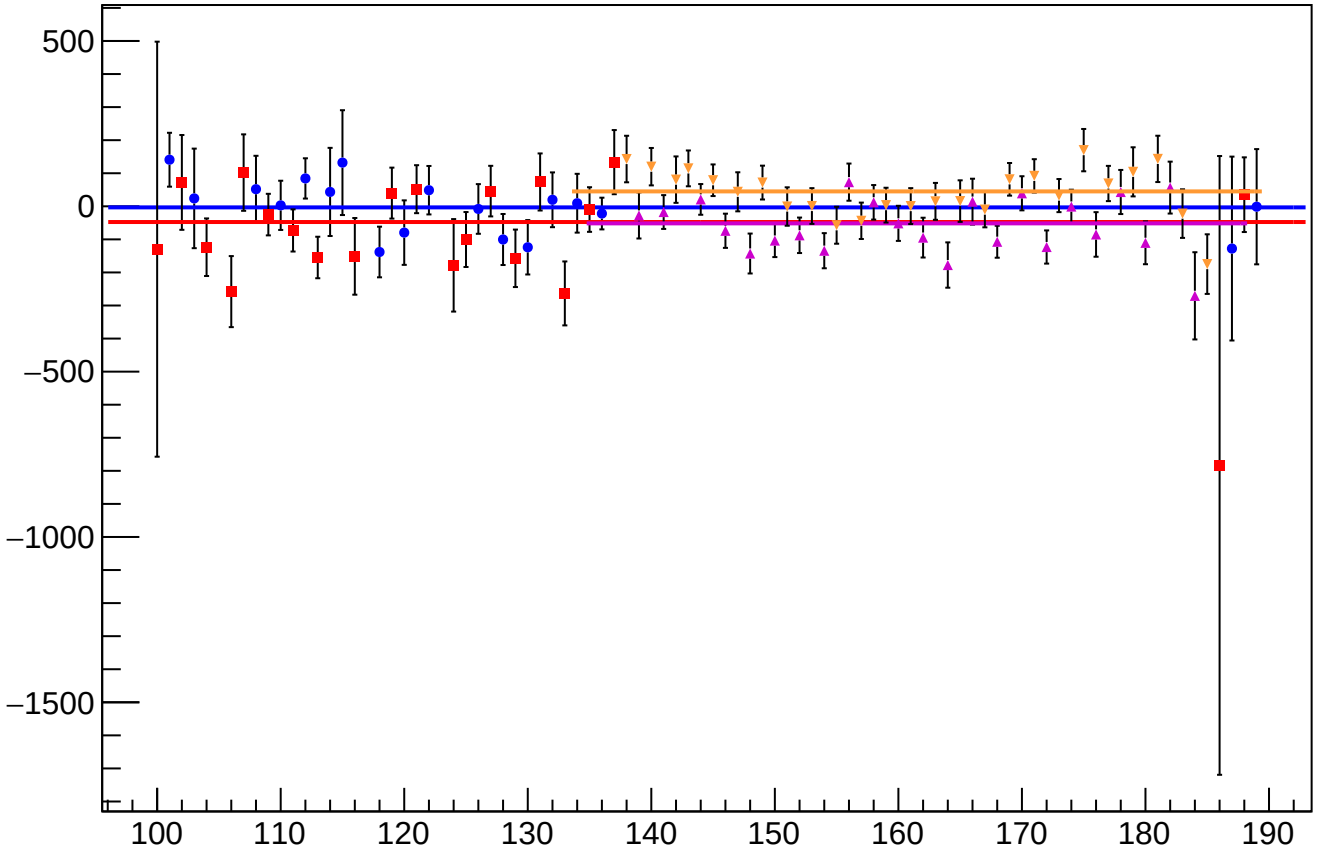
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

+ sign 382.297+/-0.054 χ^2/NDF: 3743547.6/42

All: 383.367+/-0.038 χ^2/NDF: 8273769.3/86

- sign 384.474+/-0.055 χ^2/NDF: 4529417.6/43

eigen_cor_asym_sam_1357_avg_mean vs Slug



Right In: -3.236+/-19.814 χ^2/NDF: 14.8/17

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: -47.522+/-19.328 χ^2/NDF: 30.4/20

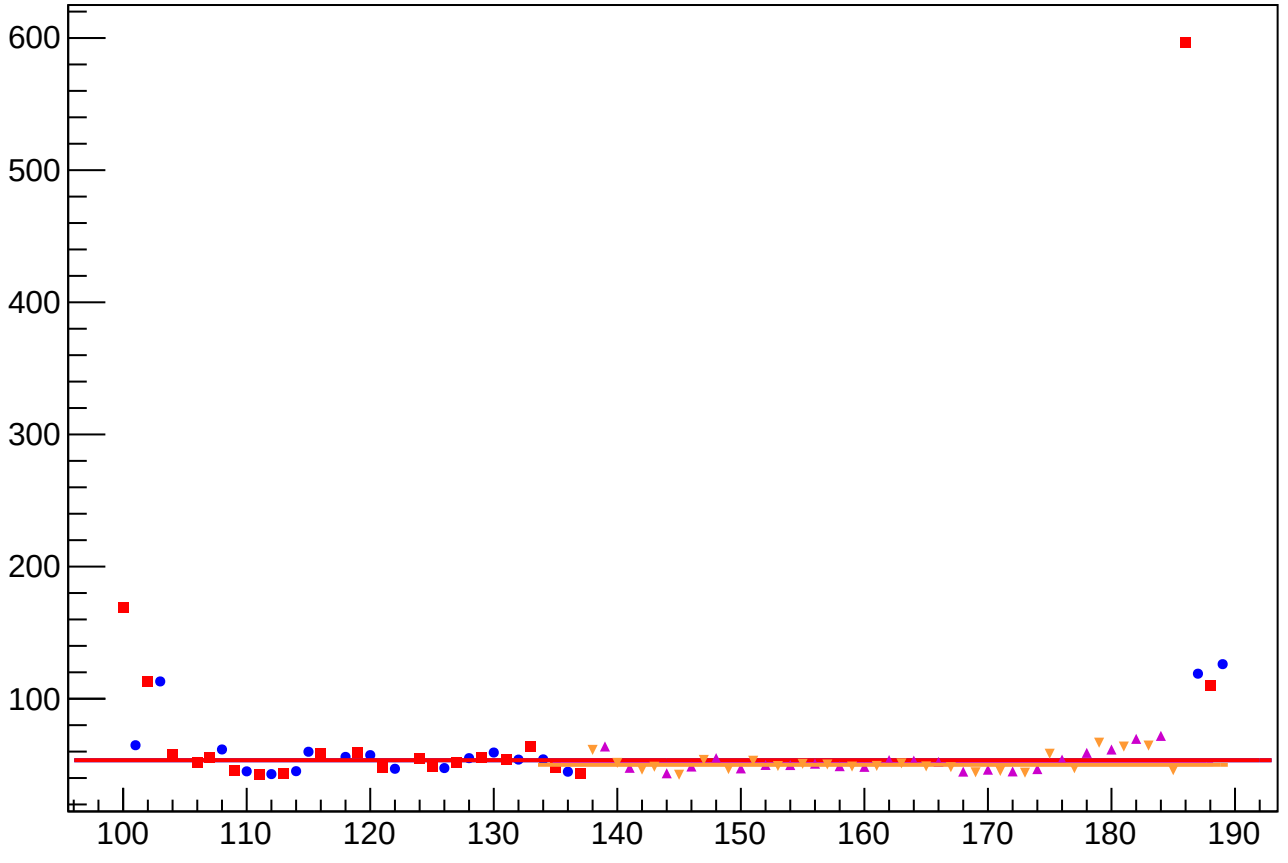
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 32.926+/-9.943 χ^2/NDF: 50.6/42

All: -7.915+/-7.103 χ^2/NDF: 151.4/86

- sign -50.487+/-10.151 χ^2/NDF: 66.3/43

eigen_cor_asym_sam_1357_avg_rms vs Slug



Right In: 53.425+/-0.014 χ^2/NDF: 1031030.2/17

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

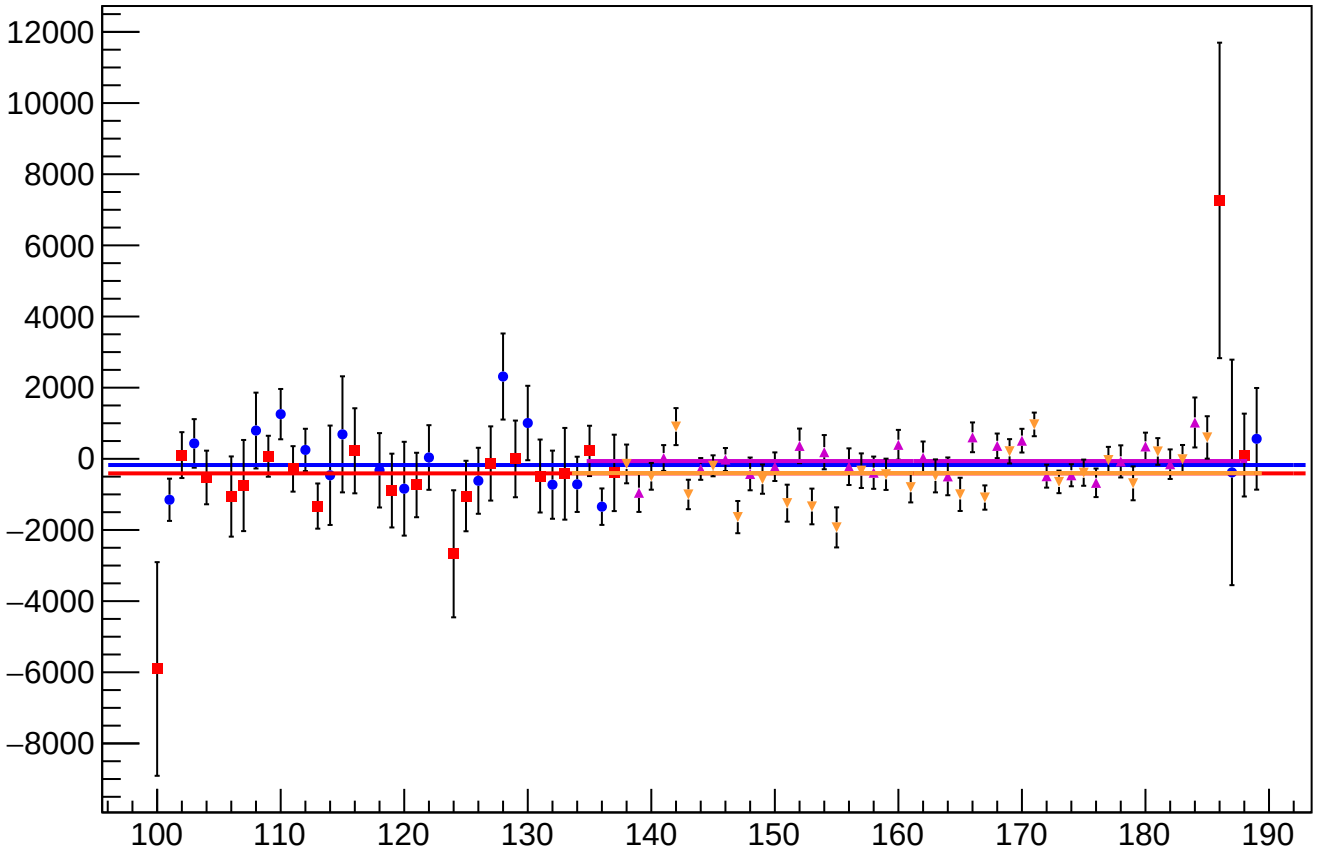
Right Out: 53.488+/-0.014 χ^2/NDF: 1836190.8/20

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 50.878+/-0.007 χ^2/NDF: 1584299.4/42

All: 51.101+/-0.005 χ^2/NDF: 3960273.6/86

- sign 51.333+/-0.007 χ^2/NDF: 2373926.7/43



Right In: -174.133+/-203.291 χ^2/NDF: 21.6/17

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

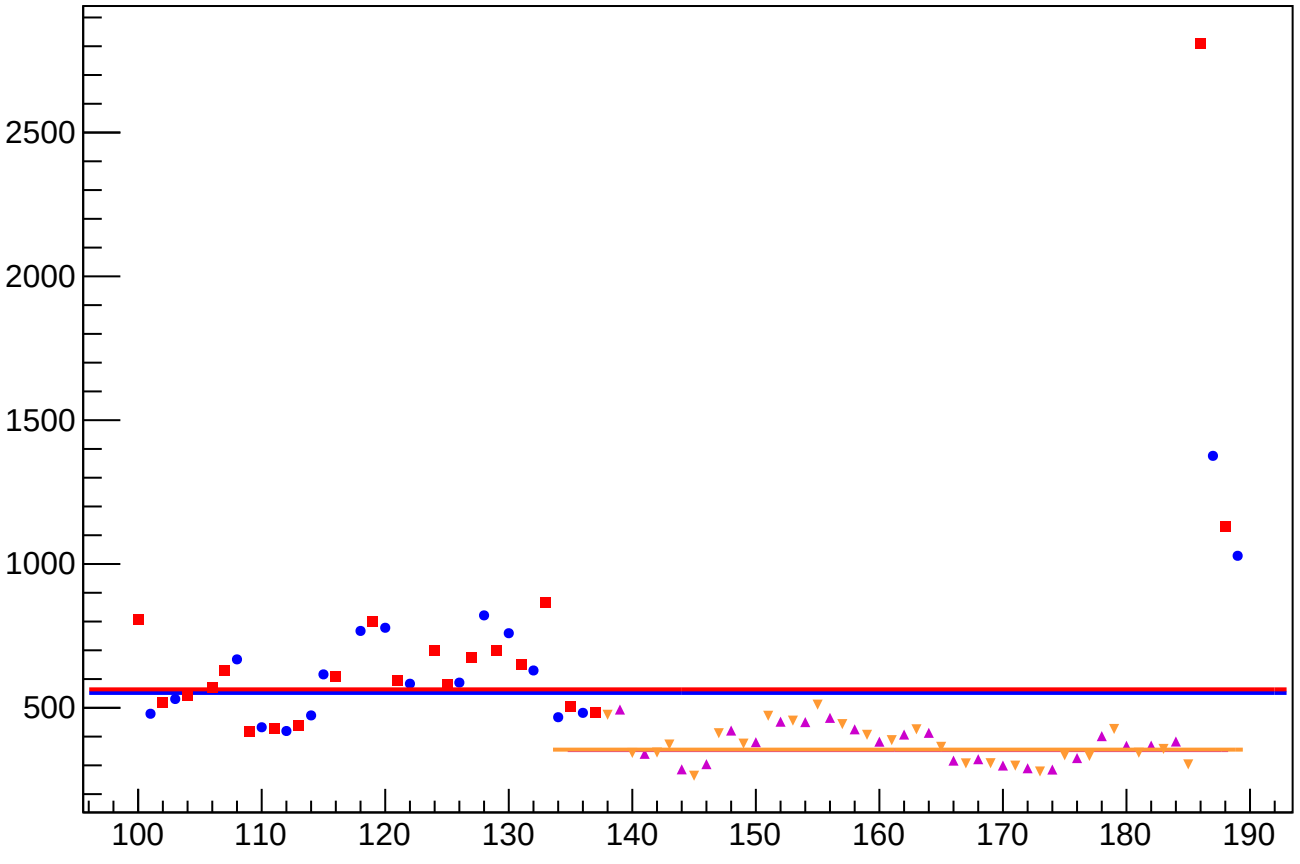
Right Out: -409.094+/-200.839 χ^2/NDF: 14.1/20

Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -367.800+/-76.097 χ^2/NDF: 88.1/42

All: -242.872+/-54.267 χ^2/NDF: 134.1/86

- sign -113.596+/-77.410 χ^2/NDF: 40.6/43



Right In: 551.840+/-0.144 χ^2/NDF: 980312.4/17

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 564.231+/-0.142 χ^2/NDF: 1643587.0/20

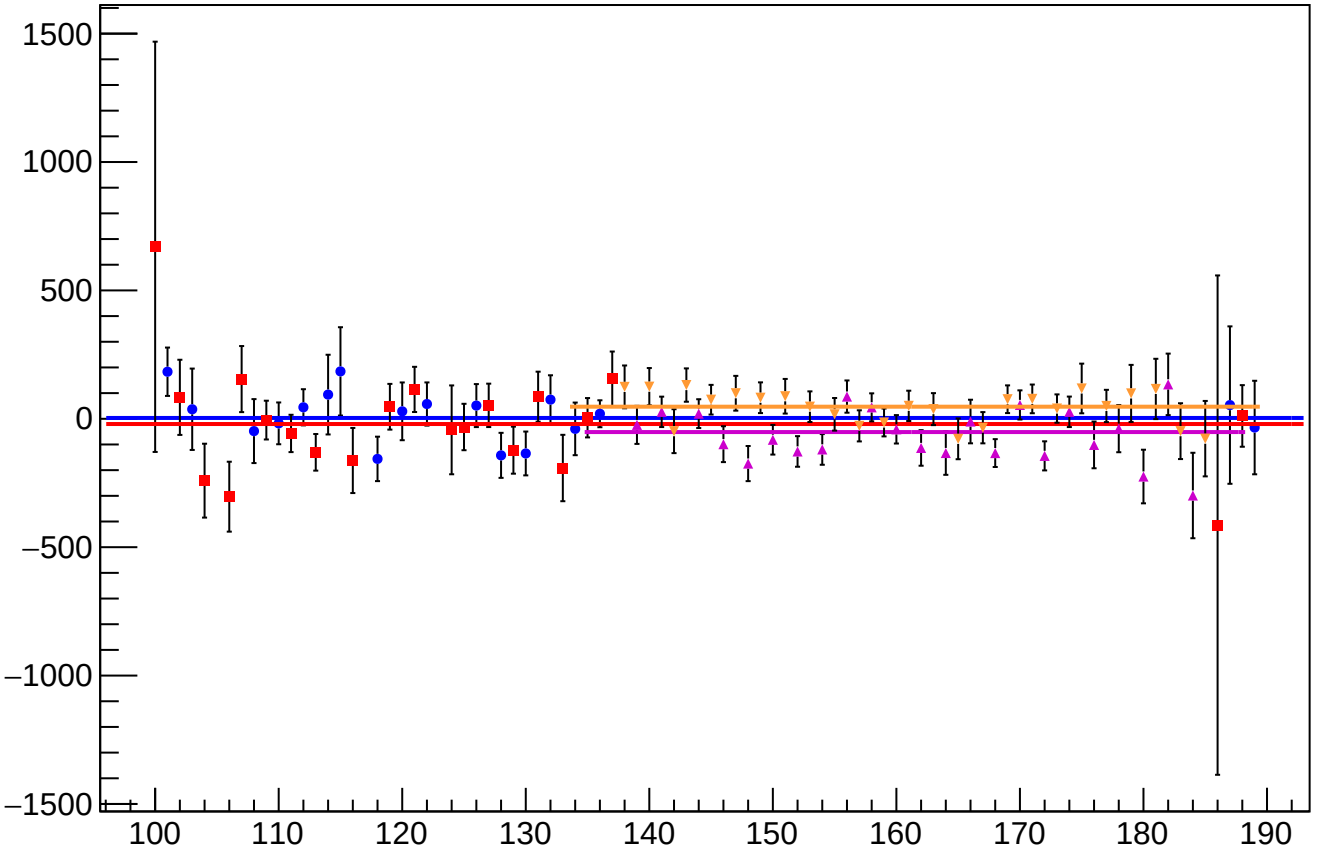
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

+ sign 382.297+/-0.054 χ^2/NDF: 3743547.6/42

All: 383.367+/-0.038 χ^2/NDF: 8273769.3/86

- sign 384.474+/-0.055 χ^2/NDF: 4529417.6/43

dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.298+/-22.252 χ^2/NDF: 16.2/17

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: -20.336+/-22.363 χ^2/NDF: 24.7/20

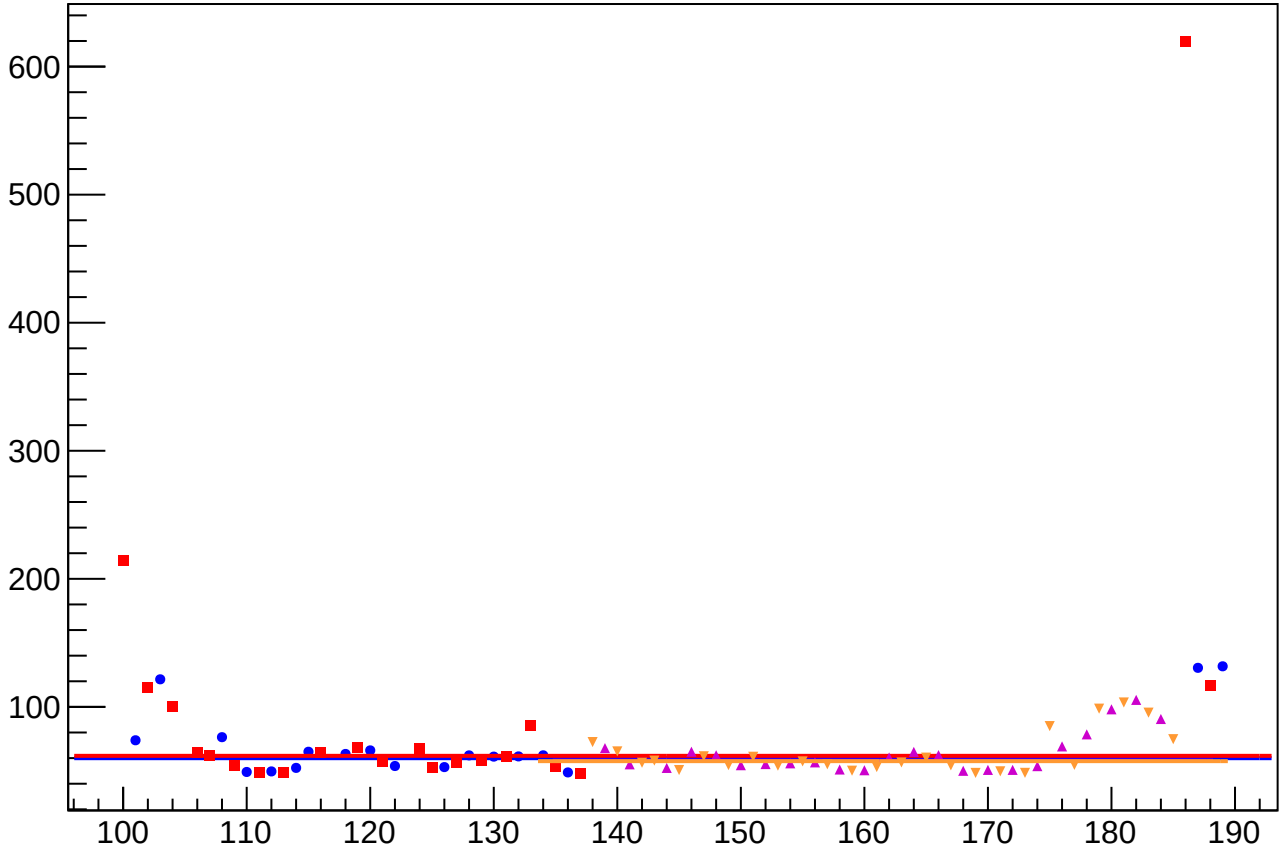
Left In: -51.652+/-13.934 χ^2/NDF:38.2/22

+ sign 35.338+/-11.549 χ^2/NDF: 36.0/42

All: -2.851+/-8.263 χ^2/NDF: 122.7/86

- sign -42.894+/-11.826 χ^2/NDF: 64.3/43

dit_asym_sam_1357_avg_rms vs Slug



Right In: 59.939+/-0.016 χ^2/NDF: 1008135.7/17

Left Out: 57.631+/-0.010 χ^2/NDF:1365448.6/24

Right Out: 61.777+/-0.016 χ^2/NDF: 1886227.2/20

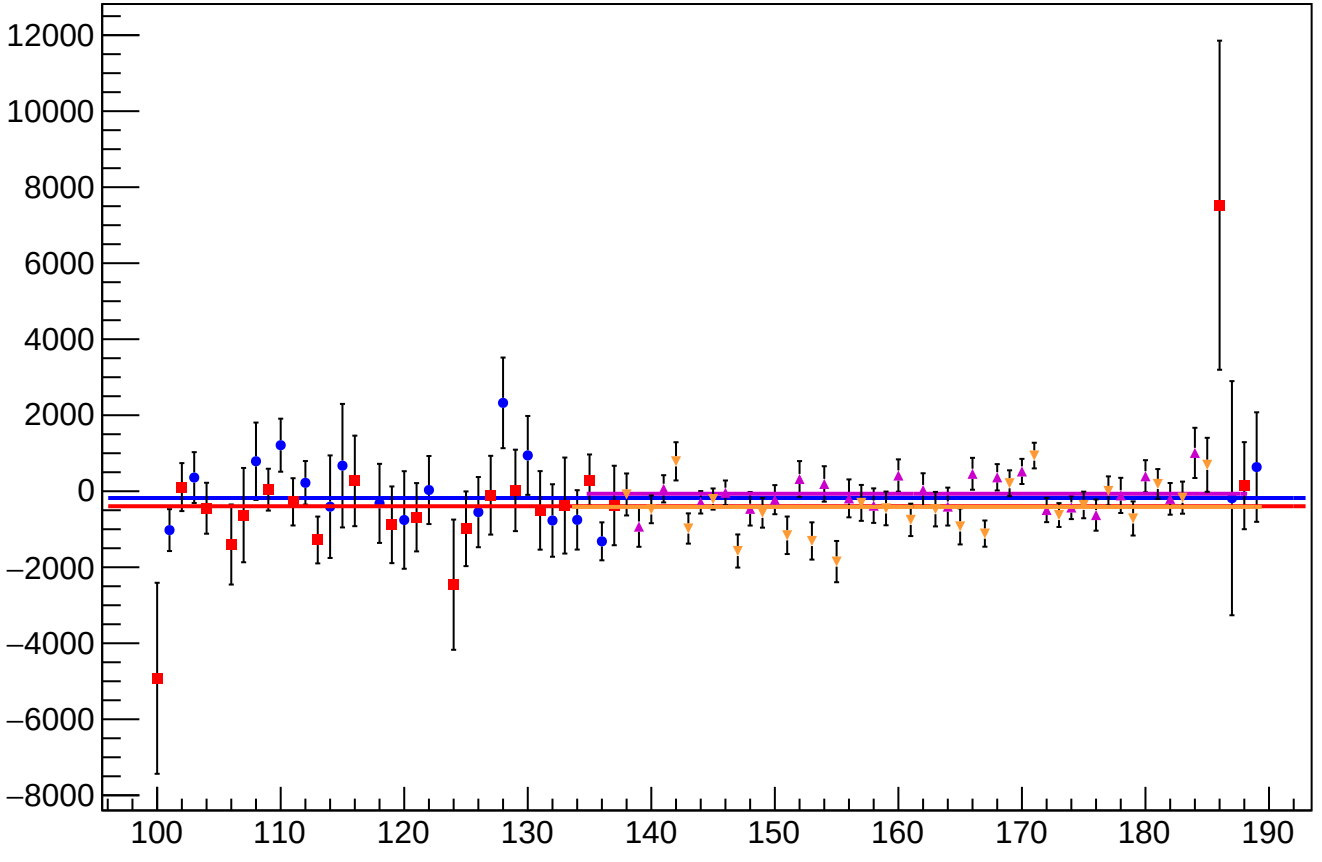
Left In: 57.940+/-0.010 χ^2/NDF:1124523.3/22

+ sign 58.252+/-0.008 χ^2/NDF: 2389300.4/42

All: 58.624+/-0.006 χ^2/NDF: 5446699.0/86

- sign 59.013+/-0.008 χ^2/NDF: 3053164.7/43

asym_sam_1357_avg_dit_correction_mean vs Slug



Right In: -178.136+/-198.275 χ^2/NDF: 21.1/17

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: -394.575+/-193.959 χ^2/NDF: 14.9/20

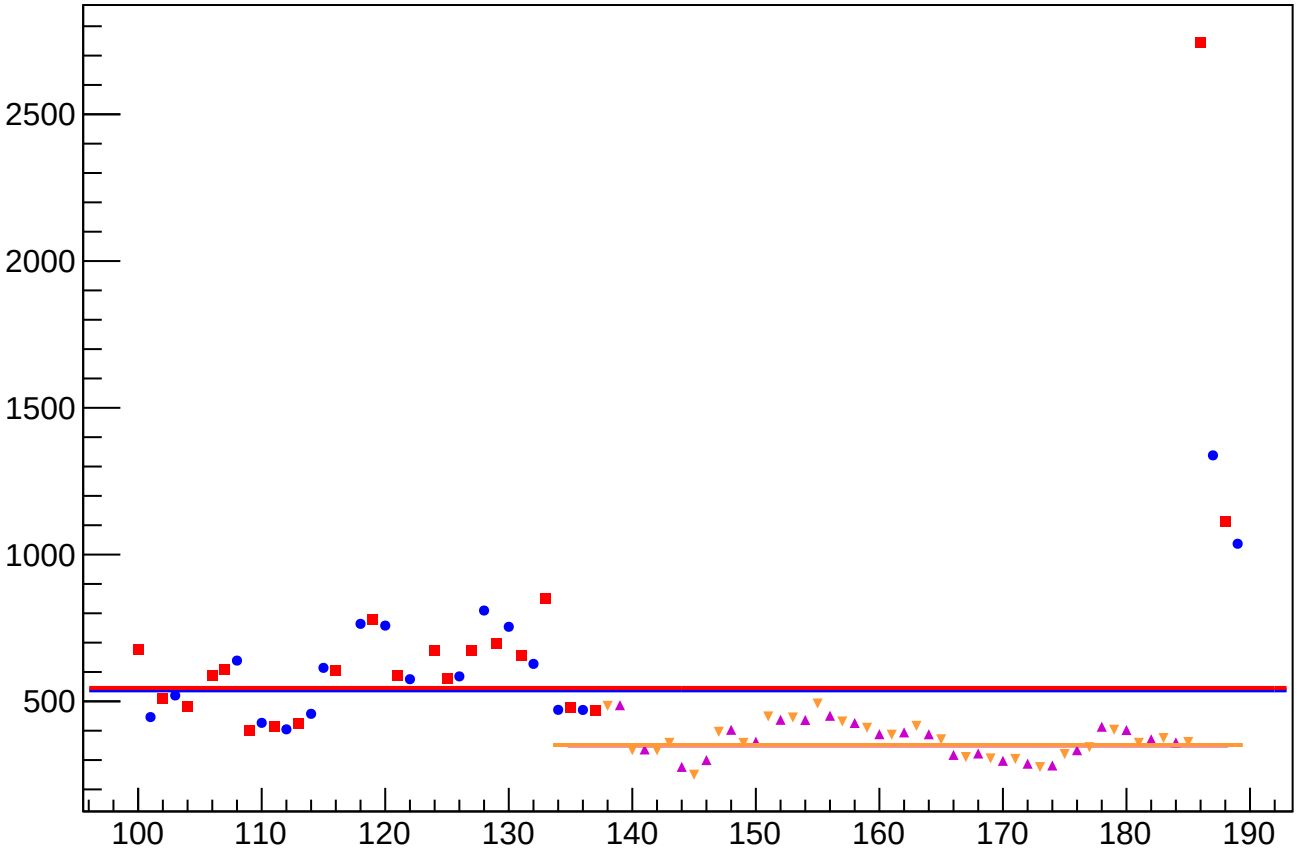
Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

+ sign -379.359+/-75.091 χ^2/NDF: 83.6/42

All: -250.632+/-53.544 χ^2/NDF: 129.8/86

- sign -117.479+/-76.370 χ^2/NDF: 40.2/43

asym_sam_1357_avg_dit_correction_rms vs Slug



Right In: 537.404+/-0.140 χ^2/NDF: 1042454.6/17

Left Out: 351.264+/-0.057 χ^2/NDF:1118247.7/24

Right Out: 545.680+/-0.137 χ^2/NDF: 1718223.7/20

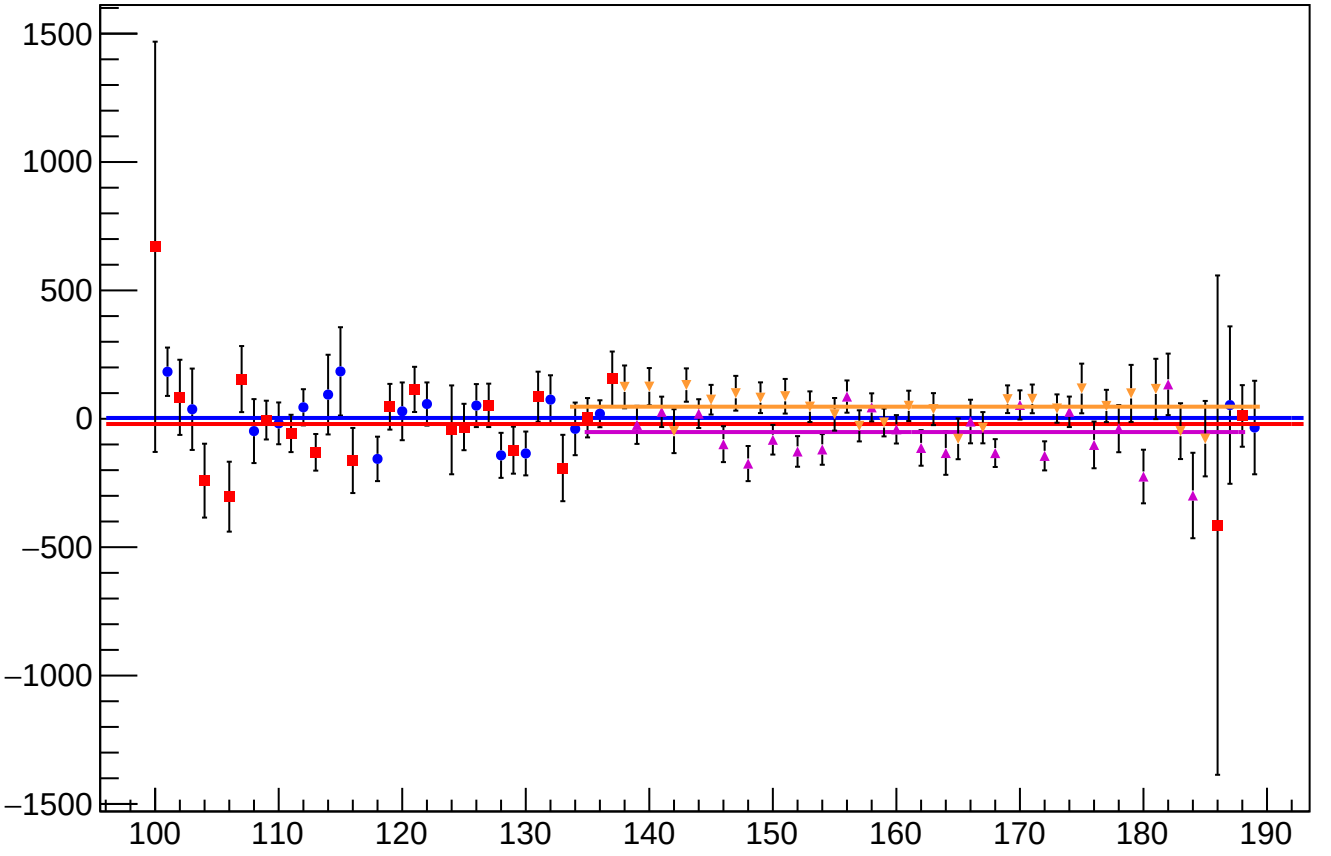
Left In: 349.813+/-0.059 χ^2/NDF:990366.6/22

+ sign 377.962+/-0.053 χ^2/NDF: 3670561.1/42

All: 379.052+/-0.038 χ^2/NDF: 8103346.9/86

- sign 380.179+/-0.054 χ^2/NDF: 4431928.7/43

eigen_dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.298+/-22.252 χ^2/NDF: 16.2/17

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: -20.334+/-22.363 χ^2/NDF: 24.7/20

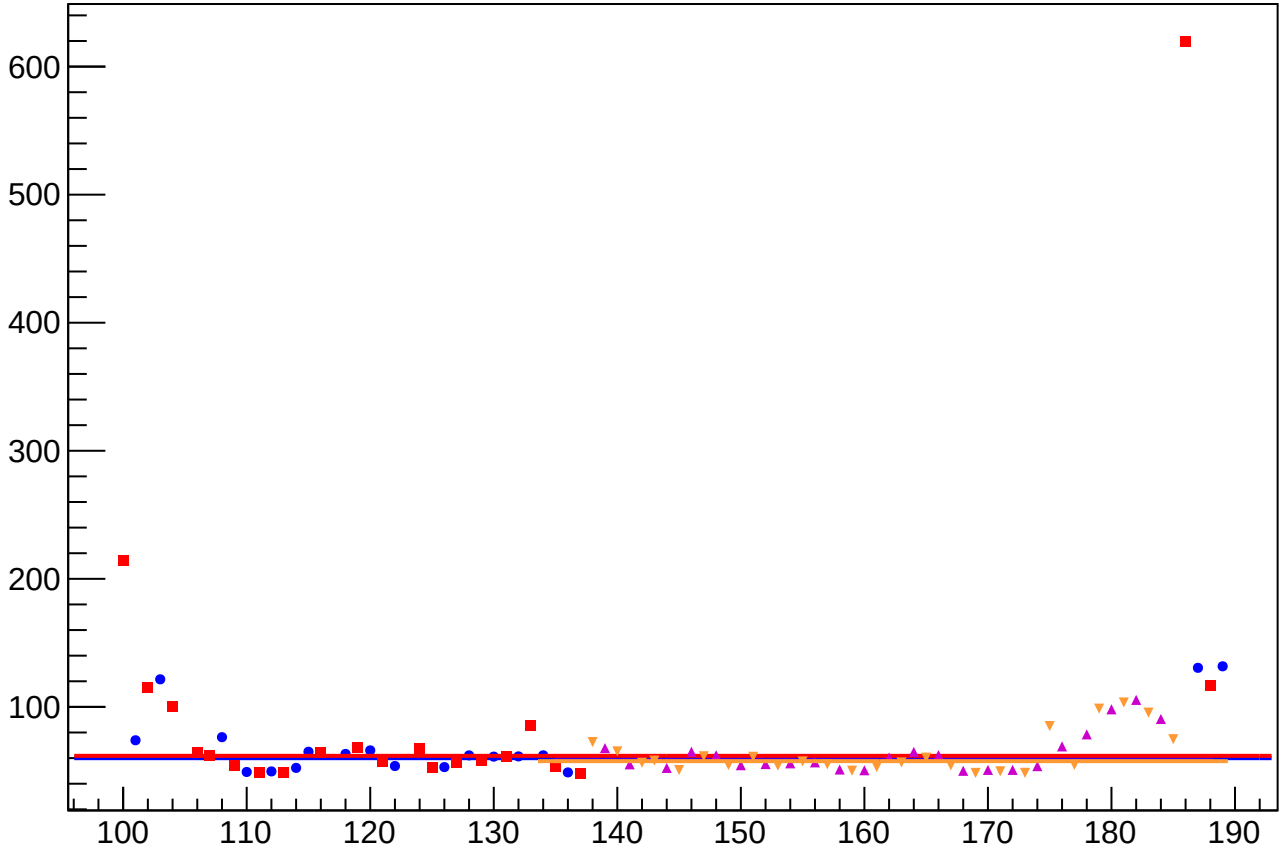
Left In: -51.651+/-13.934 χ^2/NDF:38.2/22

+ sign 35.338+/-11.549 χ^2/NDF: 36.1/42

All: -2.851+/-8.263 χ^2/NDF: 122.7/86

- sign -42.894+/-11.826 χ^2/NDF: 64.3/43

eigen_dit_asym_sam_1357_avg_rms vs Slug



Right In: 59.939+/-0.016 χ^2/NDF: 1008132.3/17

Left Out: 57.631+/-0.010 χ^2/NDF:1365443.1/24

Right Out: 61.777+/-0.016 χ^2/NDF: 1886231.1/20

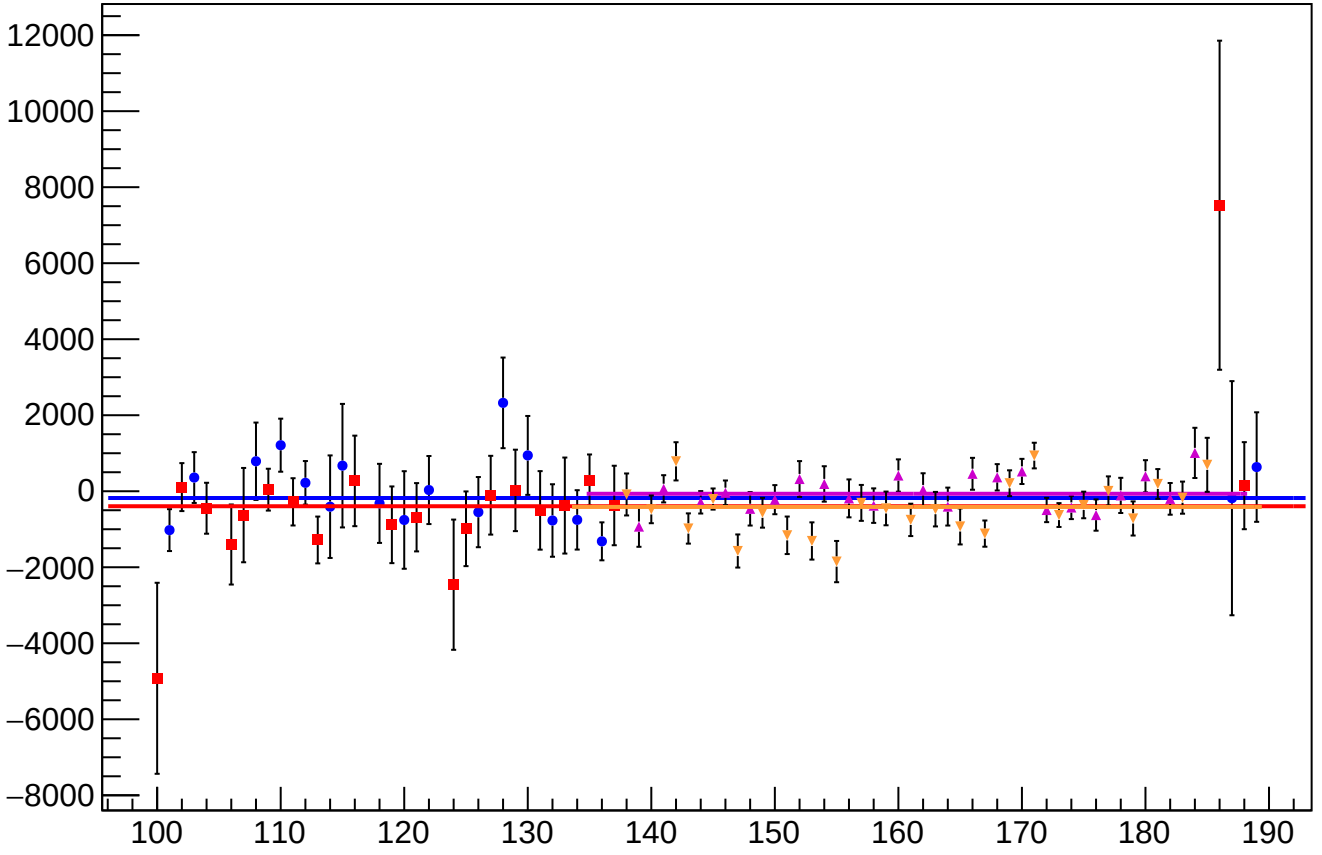
Left In: 57.940+/-0.010 χ^2/NDF:1124509.8/22

+ sign 58.253+/-0.008 χ^2/NDF: 2389291.6/42

All: 58.624+/-0.006 χ^2/NDF: 5446680.9/86

- sign 59.013+/-0.008 χ^2/NDF: 3053155.1/43

asym_sam_1357_avg_eigen_dit_correction_mean vs Slug



Right In: -178.135+/-198.275 χ^2/NDF: 21.1/17

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

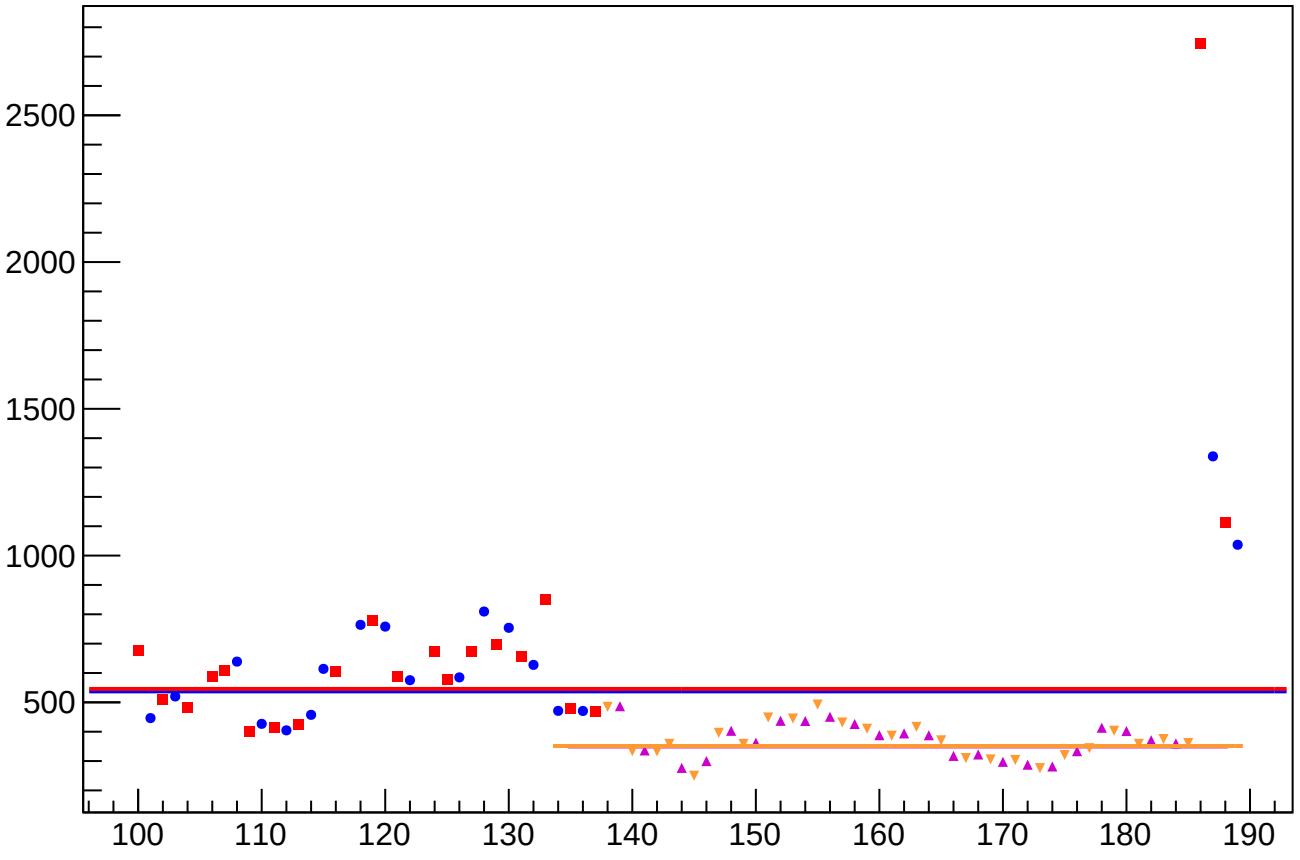
Right Out: -394.574+/-193.958 χ^2/NDF: 14.9/20

Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

+ sign -379.359+/-75.091 χ^2/NDF: 83.6/42

All: -250.631+/-53.544 χ^2/NDF: 129.8/86

- sign -117.479+/-76.370 χ^2/NDF: 40.2/43



Right In: 537.403+/-0.140 χ^2/NDF: 1042460.6/17

Left Out: 351.264+/-0.057 χ^2/NDF:1118243.1/24

Right Out: 545.679+/-0.137 χ^2/NDF: 1718224.6/20

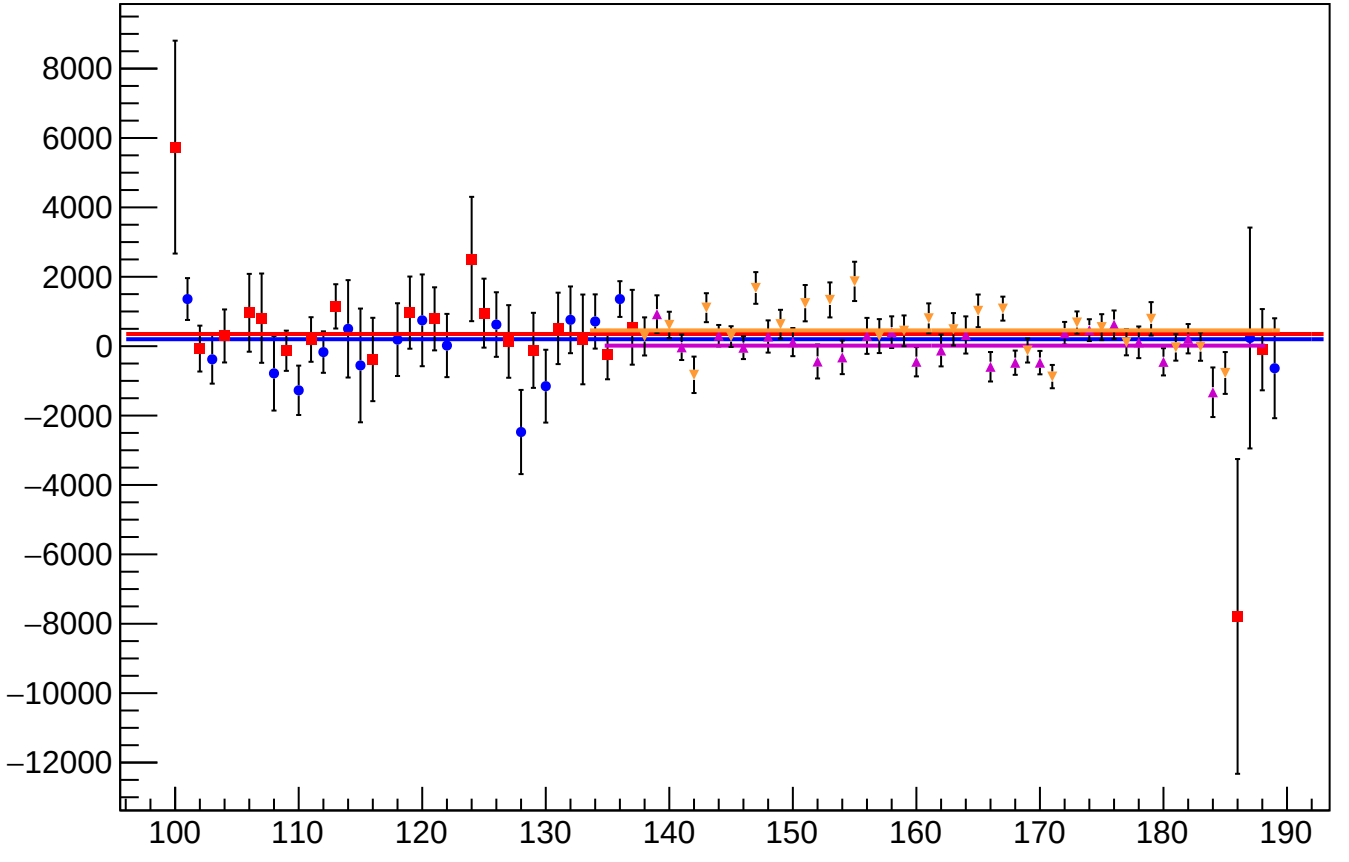
Left In: 349.813+/-0.059 χ^2/NDF:990359.9/22

+ sign 377.962+/-0.053 χ^2/NDF: 3670555.0/42

All: 379.052+/-0.038 χ^2/NDF: 8103325.4/86

- sign 380.179+/-0.054 χ^2/NDF: 4431913.2/43

asym_sam_1357_avg_mean vs Slug



Right In: 200.541+/-204.945 χ^2/NDF: 23.2/17

Left Out: 455.234+/-82.961 χ^2/NDF:60.8/24

Right Out: 351.168+/-202.286 χ^2/NDF: 13.4/20

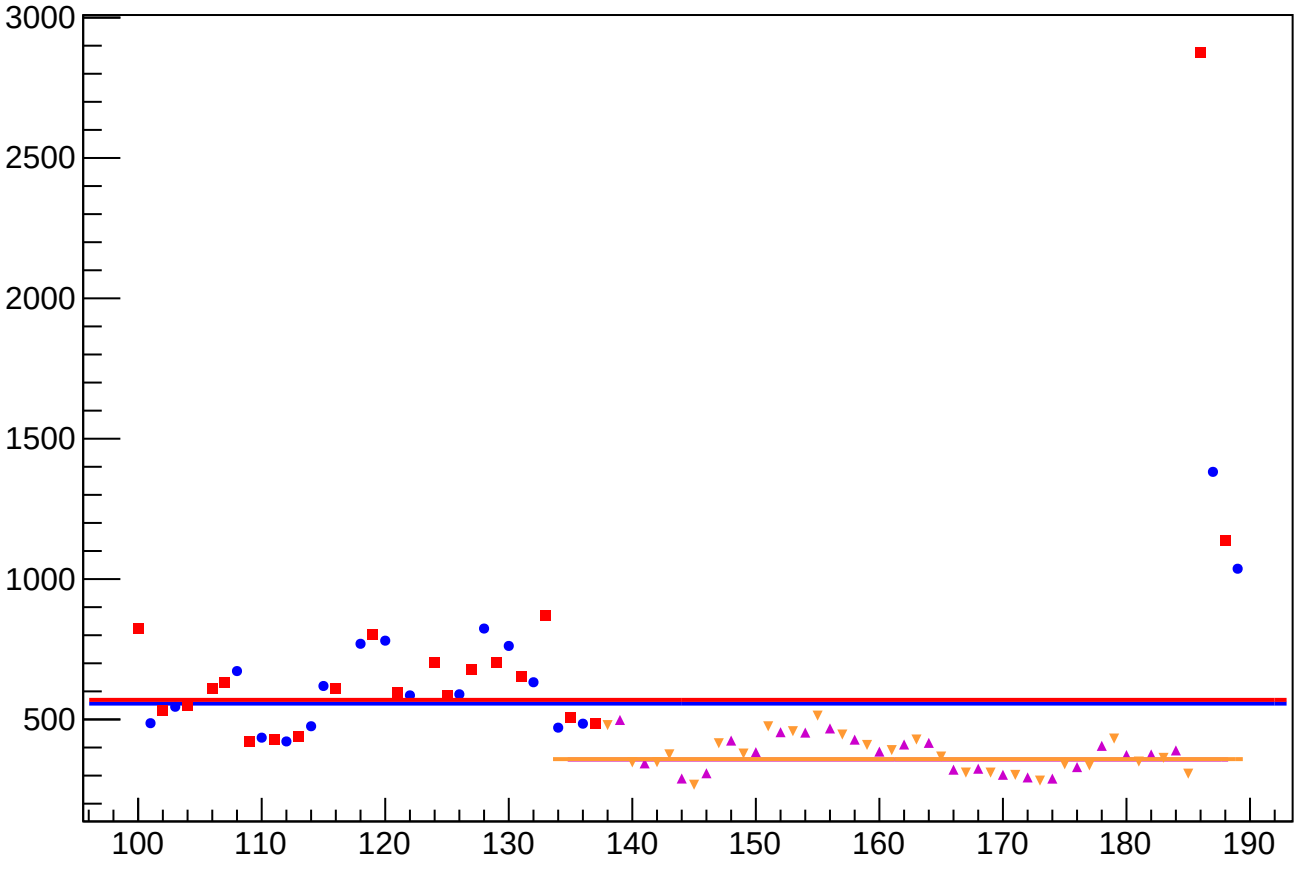
Left In: 16.073+/-84.830 χ^2/NDF:24.9/22

+ sign 419.376+/-76.899 χ^2/NDF: 85.4/42

All: 245.813+/-54.840 χ^2/NDF: 136.3/86

- sign 66.190+/-78.230 χ^2/NDF: 40.6/43

asym_sam_1357_avg_rms vs Slug



Right In: 556.478+/-0.145 χ^2/NDF: 970764.7/17

Left Out: 358.677+/-0.059 χ^2/NDF:1119535.1/24

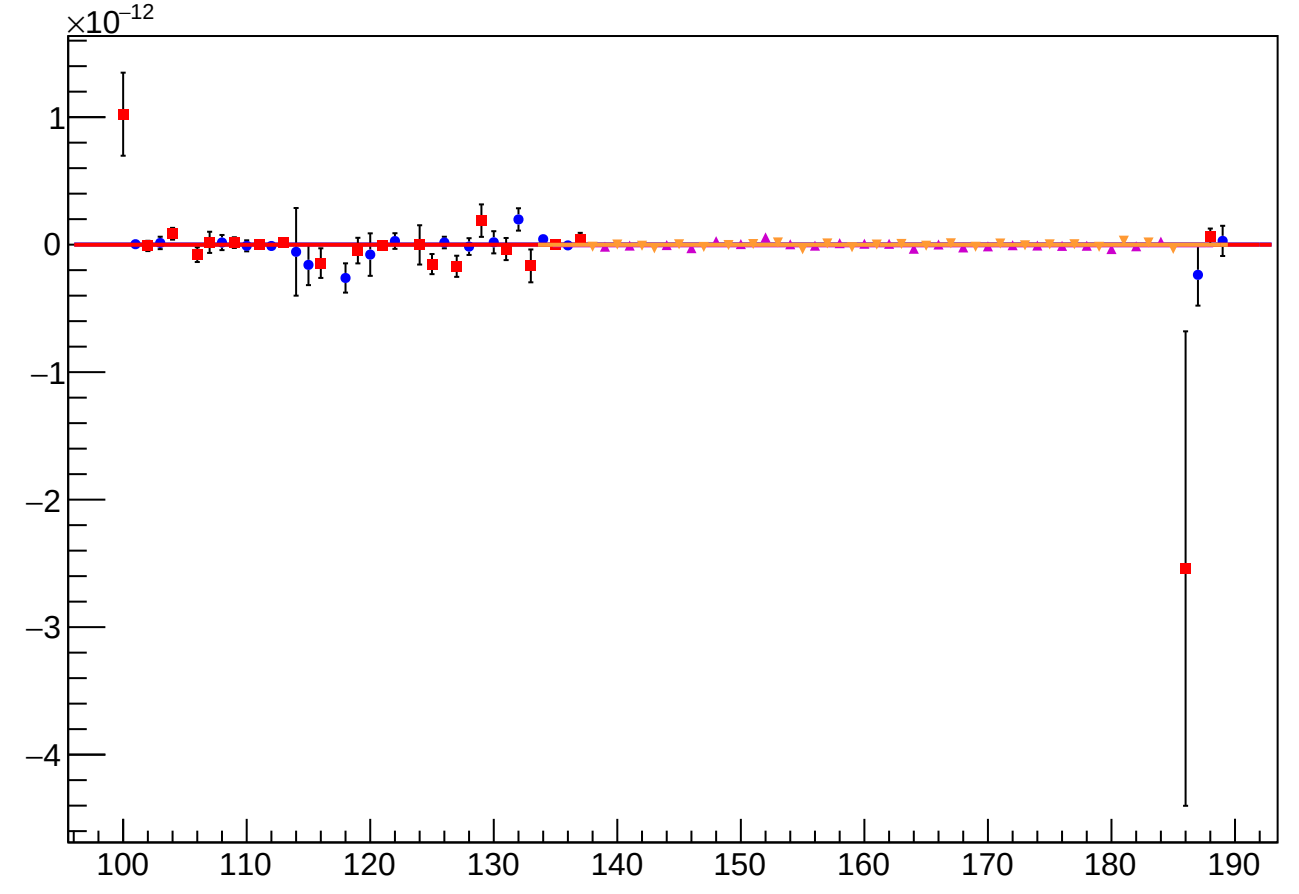
Right Out: 569.740+/-0.143 χ^2/NDF: 1642733.9/20

Left In: 357.182+/-0.060 χ^2/NDF:981641.8/22

+ sign 386.525+/-0.054 χ^2/NDF: 3691007.8/42

All: 387.728+/-0.039 χ^2/NDF: 8194385.3/86

- sign 388.972+/-0.055 χ^2/NDF: 4502381.9/43



Right In: 0.000+/-0.000 χ^2/NDF: 14.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:18.2/24

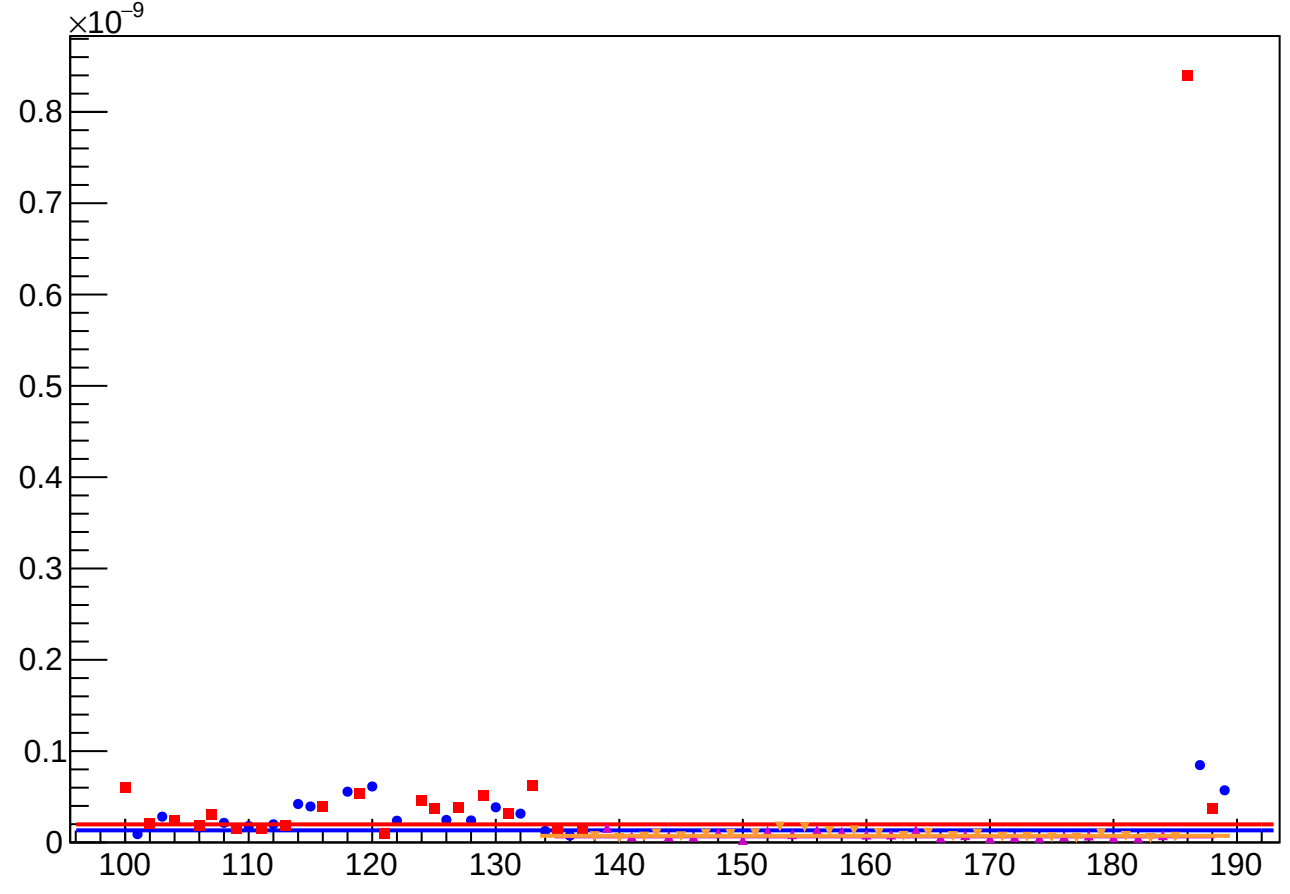
Right Out: -0.000+/-0.000 χ^2/NDF: 32.8/20

Left In: -0.000+/-0.000 χ^2/NDF:28.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 32.8/42

All: -0.000+/-0.000 χ^2/NDF: 95.7/86

- sign -0.000+/-0.000 χ^2/NDF: 61.5/43



Right In: 0.000+/-0.000 χ^2/NDF: 2209584.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:1438289.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1892266.8/20

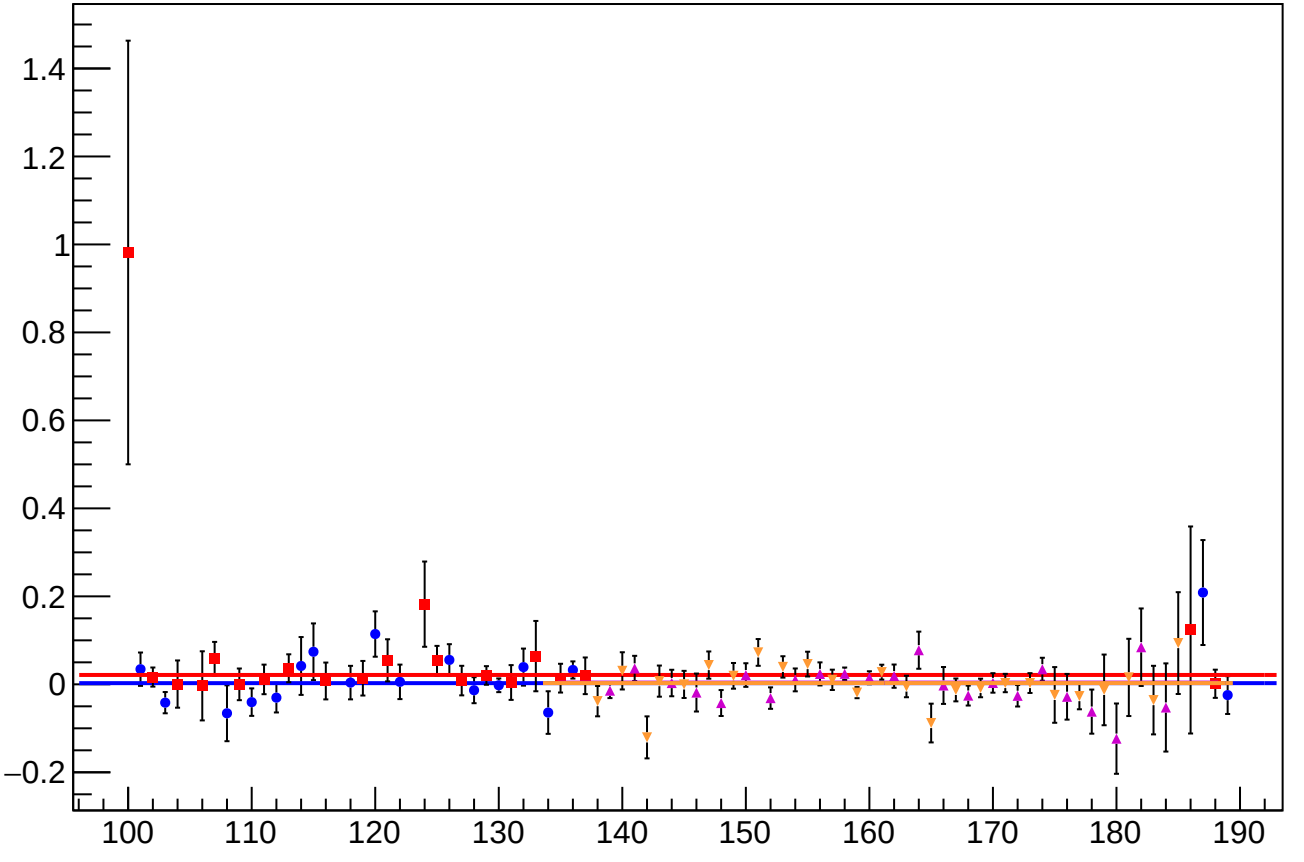
Left In: 0.000+/-0.000 χ^2/NDF:1746143.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 4445745.2/42

All: 0.000+/-0.000 χ^2/NDF: 10410599.7/86

- sign 0.000+/-0.000 χ^2/NDF: 5938677.9/43

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.008 χ^2/NDF: 25.3/17

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: 0.021+/-0.008 χ^2/NDF: 11.4/20

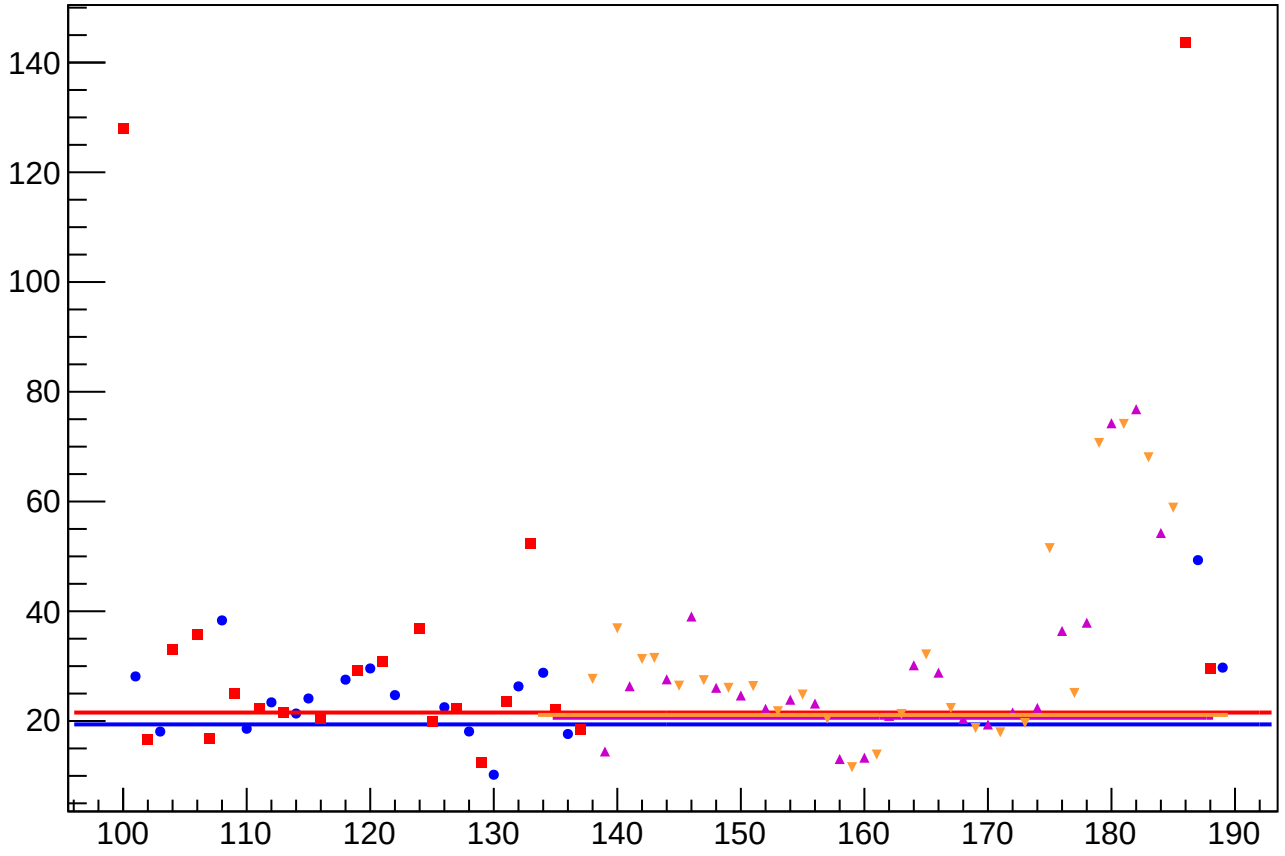
Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.003+/-0.004 χ^2/NDF: 58.1/42

All: 0.006+/-0.003 χ^2/NDF: 98.3/86

- sign 0.009+/-0.005 χ^2/NDF: 39.1/43

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug



Right In: 19.381+/-0.005 χ^2/NDF: 1639692.8/17

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

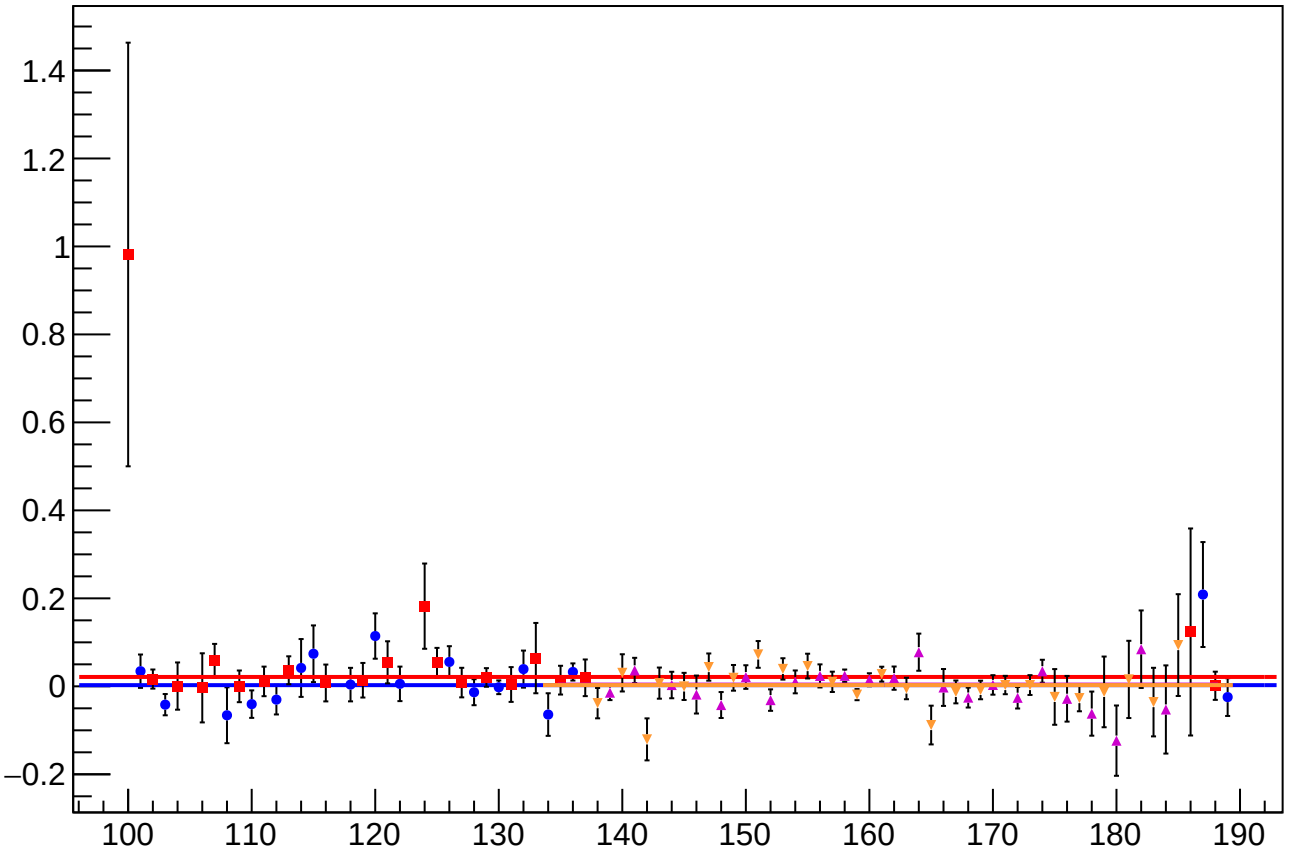
Right Out: 21.543+/-0.006 χ^2/NDF: 1970551.7/20

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

+ sign 20.528+/-0.003 χ^2/NDF: 7253692.8/42

All: 20.703+/-0.002 χ^2/NDF: 13848879.7/86

- sign 20.884+/-0.003 χ^2/NDF: 6588889.1/43



Right In: 0.003+/-0.008 χ^2/NDF: 25.3/17

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

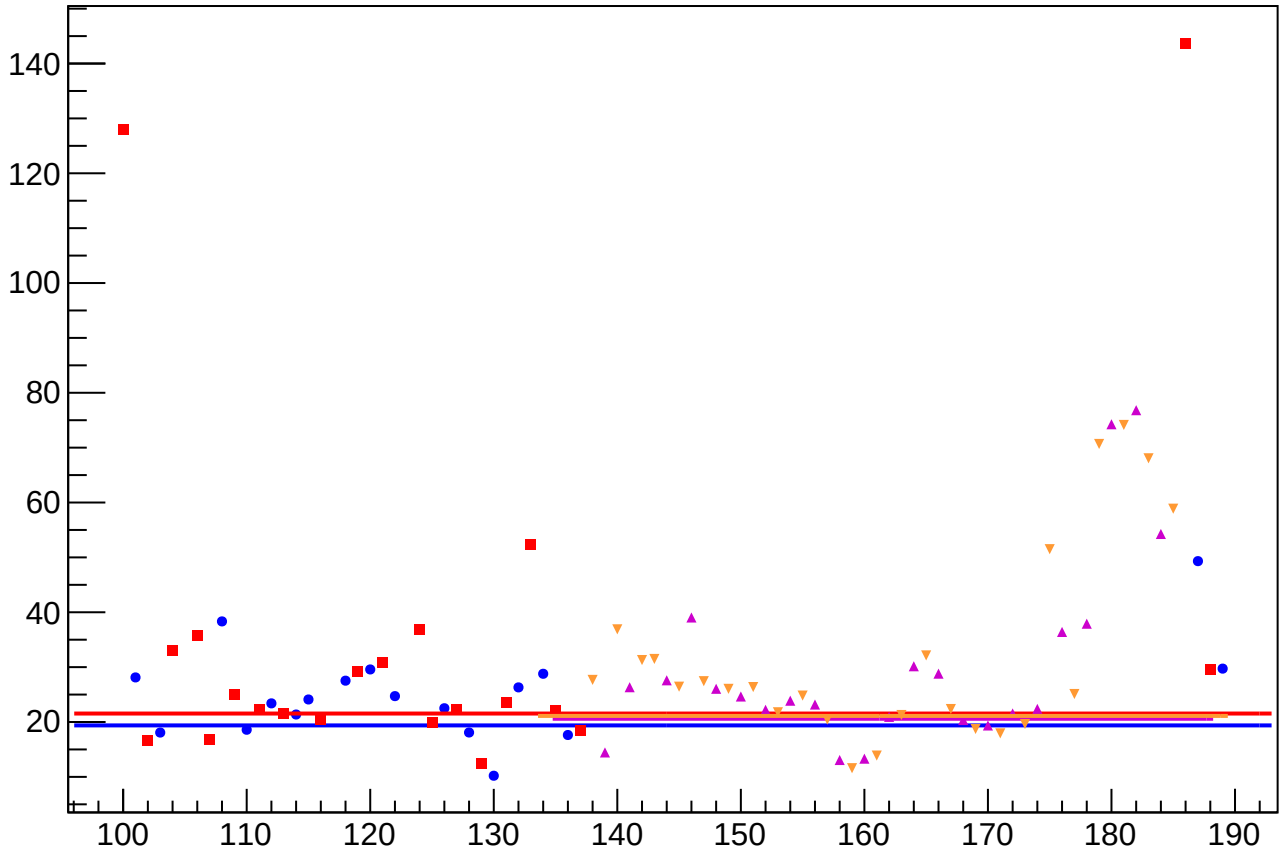
Right Out: 0.021+/-0.008 χ^2/NDF: 11.4/20

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.003+/-0.004 χ^2/NDF: 58.1/42

All: 0.006+/-0.003 χ^2/NDF: 98.3/86

- sign 0.009+/-0.005 χ^2/NDF: 39.1/43



Right In: 19.381+/-0.005 χ^2/NDF: 1639692.8/17

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

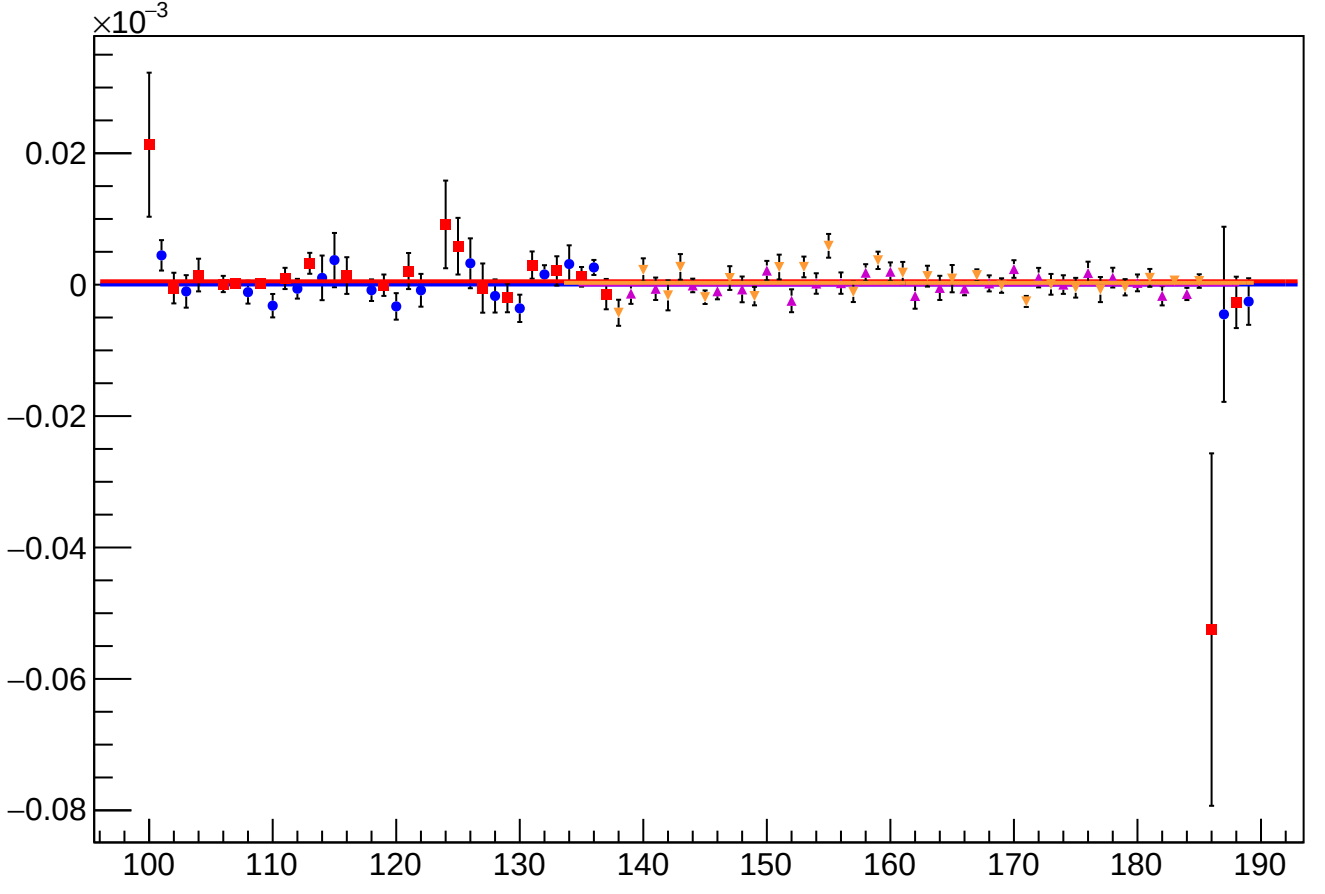
Right Out: 21.543+/-0.006 χ^2/NDF: 1970551.7/20

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

+ sign 20.528+/-0.003 χ^2/NDF: 7253692.8/42

All: 20.703+/-0.002 χ^2/NDF: 13848879.7/86

- sign 20.884+/-0.003 χ^2/NDF: 6588889.1/43



Right In: 0.000+/-0.000 χ^2/NDF: 24.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

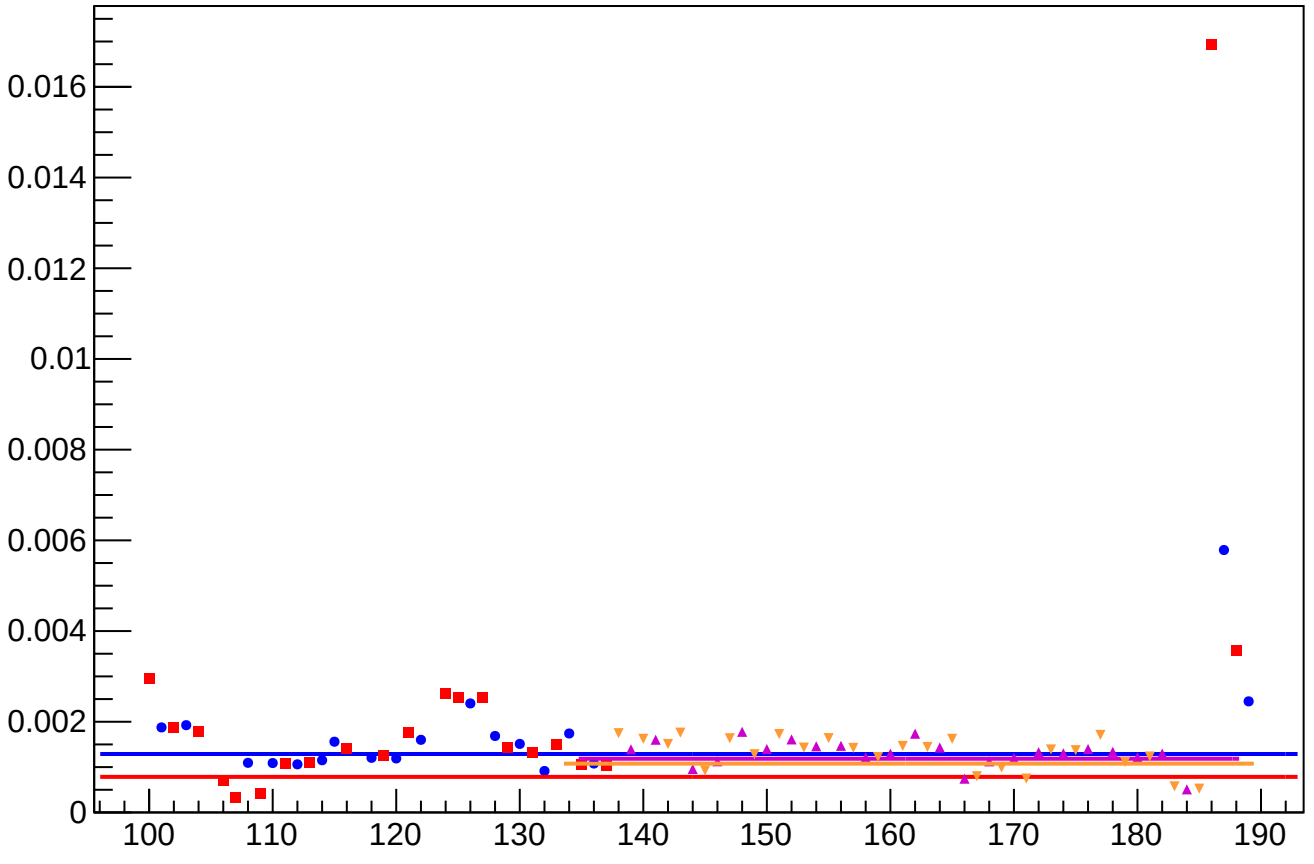
Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/20

Left In: 0.000+/-0.000 χ^2/NDF:19.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 77.0/42

All: 0.000+/-0.000 χ^2/NDF: 118.3/86

- sign 0.000+/-0.000 χ^2/NDF: 41.2/43



Right In: 0.001+/-0.000 χ^2/NDF: 1356135.7/17

Left Out: 0.001+/-0.000 χ^2/NDF:4545392.2/24

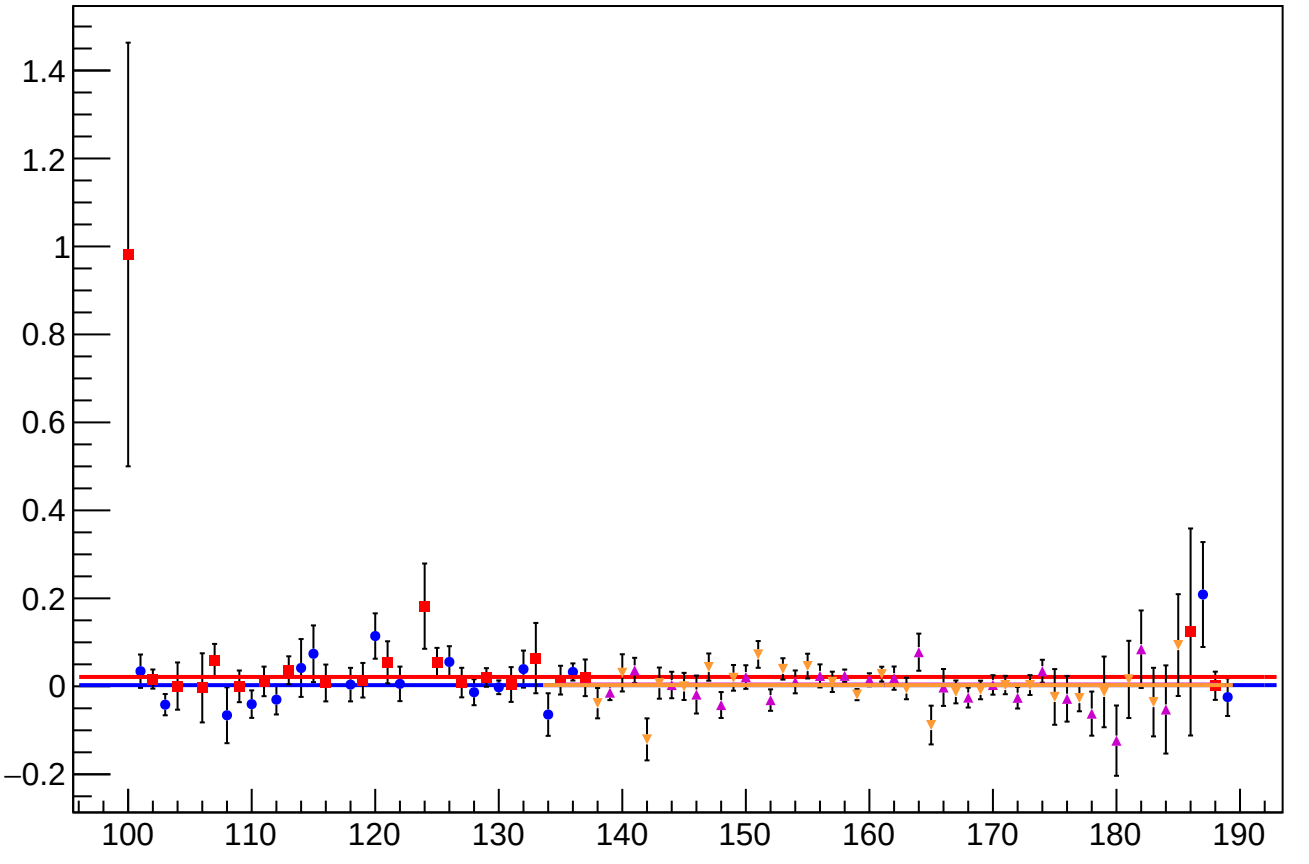
Right Out: 0.001+/-0.000 χ^2/NDF: 6428160.3/20

Left In: 0.001+/-0.000 χ^2/NDF:2456537.2/22

+ sign 0.001+/-0.000 χ^2/NDF: 6201005.7/42

All: 0.001+/-0.000 χ^2/NDF: 16945135.8/86

- sign 0.001+/-0.000 χ^2/NDF: 10506579.6/43



Right In: 0.003+/-0.008 χ^2/NDF: 25.3/17

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

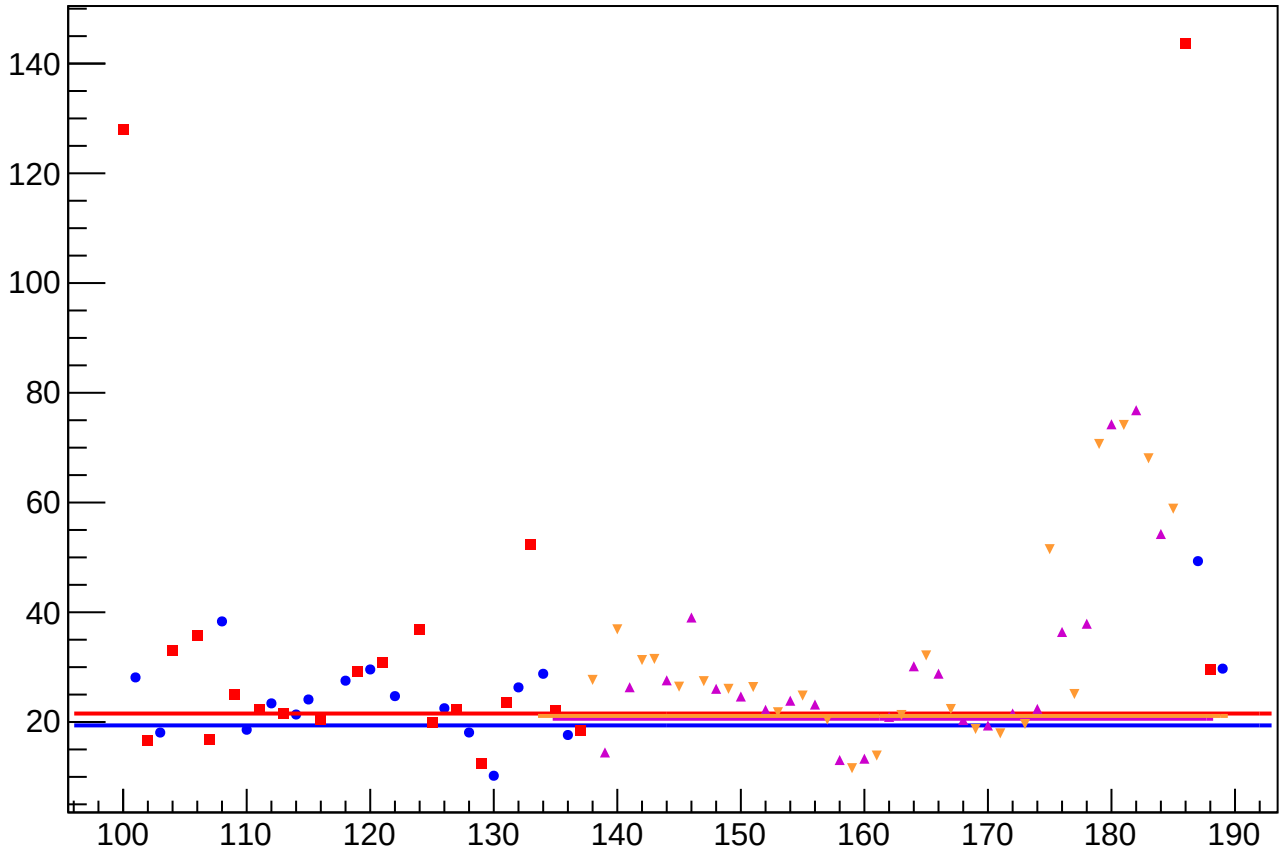
Right Out: 0.021+/-0.008 χ^2/NDF: 11.4/20

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.003+/-0.004 χ^2/NDF: 58.1/42

All: 0.006+/-0.003 χ^2/NDF: 98.3/86

- sign 0.009+/-0.005 χ^2/NDF: 39.1/43



Right In: 19.382+/-0.005 χ^2/NDF: 1639573.5/17

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

Right Out: 21.544+/-0.006 χ^2/NDF: 1970549.2/20

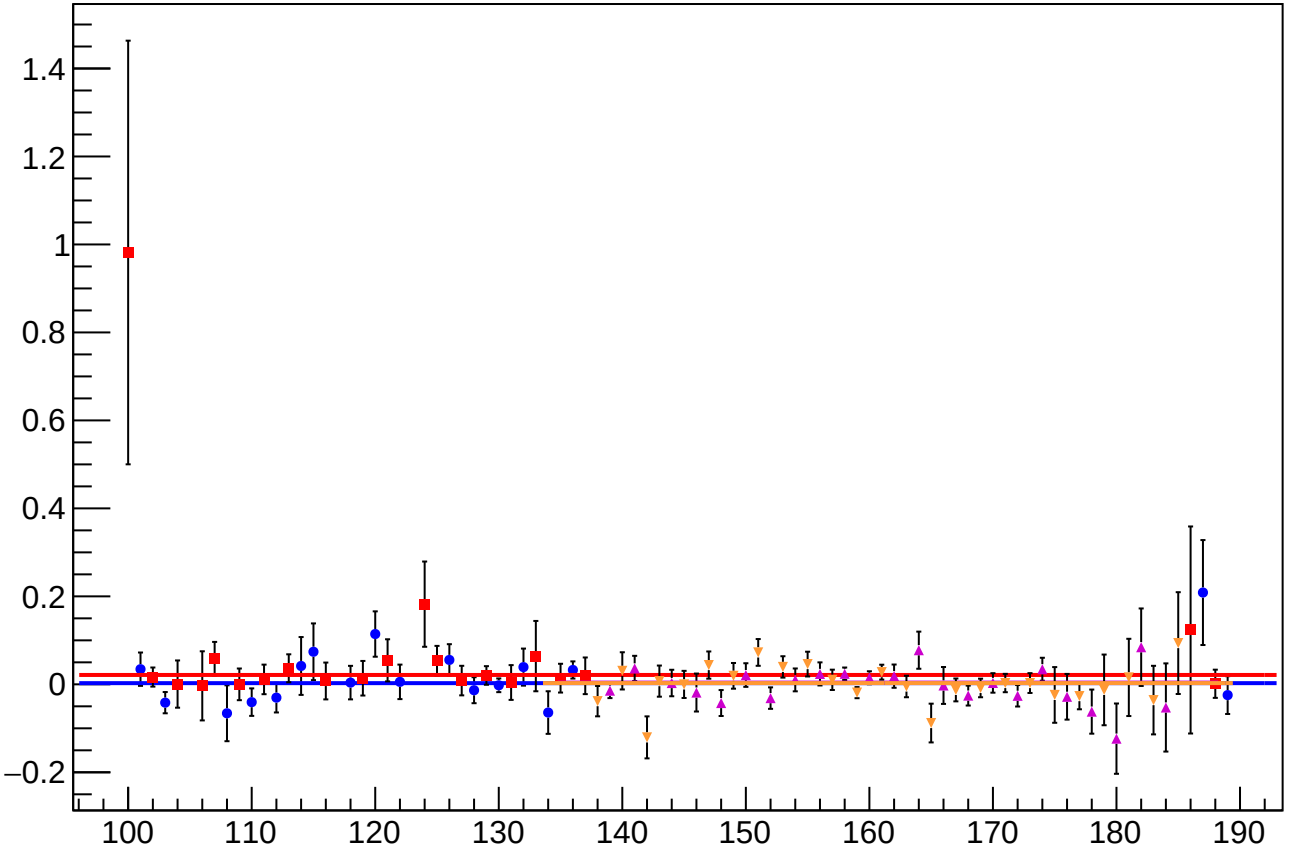
Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

+ sign 20.528+/-0.003 χ^2/NDF: 7253678.9/42

All: 20.703+/-0.002 χ^2/NDF: 13848866.1/86

- sign 20.884+/-0.003 χ^2/NDF: 6588888.2/43

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003+/-0.008 χ^2/NDF: 25.3/17

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

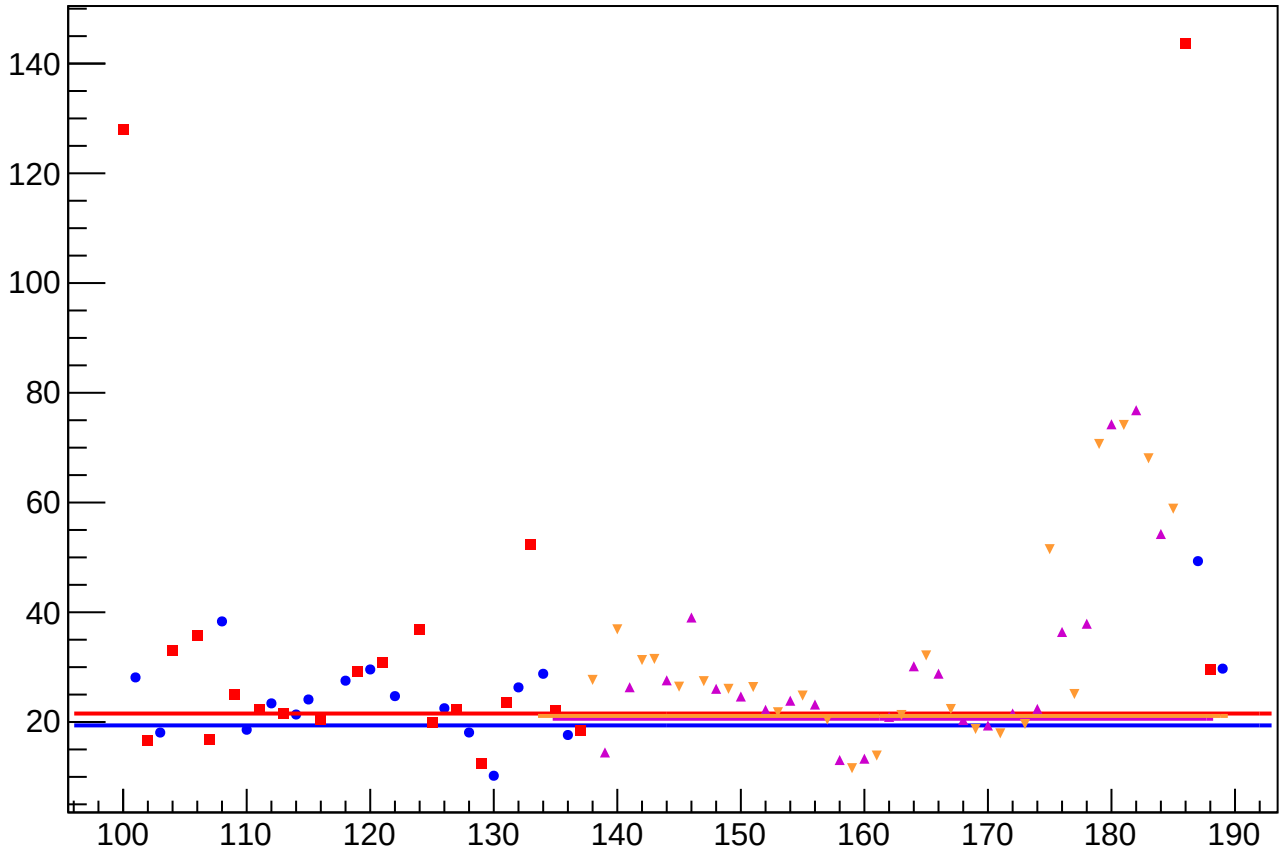
Right Out: 0.021+/-0.008 χ^2/NDF: 11.4/20

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.003+/-0.004 χ^2/NDF: 58.1/42

All: 0.006+/-0.003 χ^2/NDF: 98.3/86

- sign 0.009+/-0.005 χ^2/NDF: 39.1/43



Right In: 19.382+/-0.005 χ^2/NDF: 1639573.5/17

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

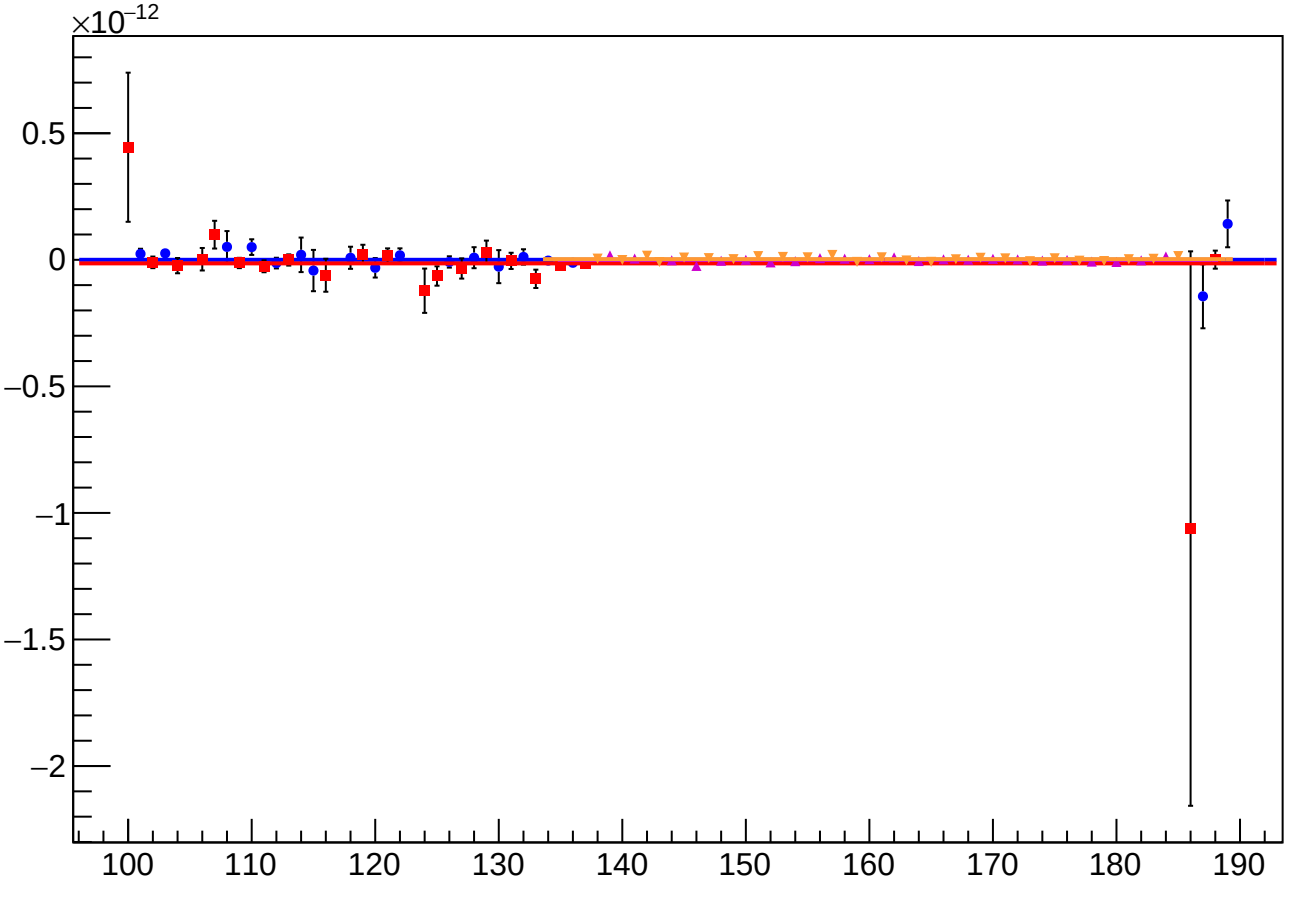
Right Out: 21.544+/-0.006 χ^2/NDF: 1970549.2/20

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

+ sign 20.528+/-0.003 χ^2/NDF: 7253678.9/42

All: 20.703+/-0.002 χ^2/NDF: 13848866.1/86

- sign 20.884+/-0.003 χ^2/NDF: 6588888.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/24

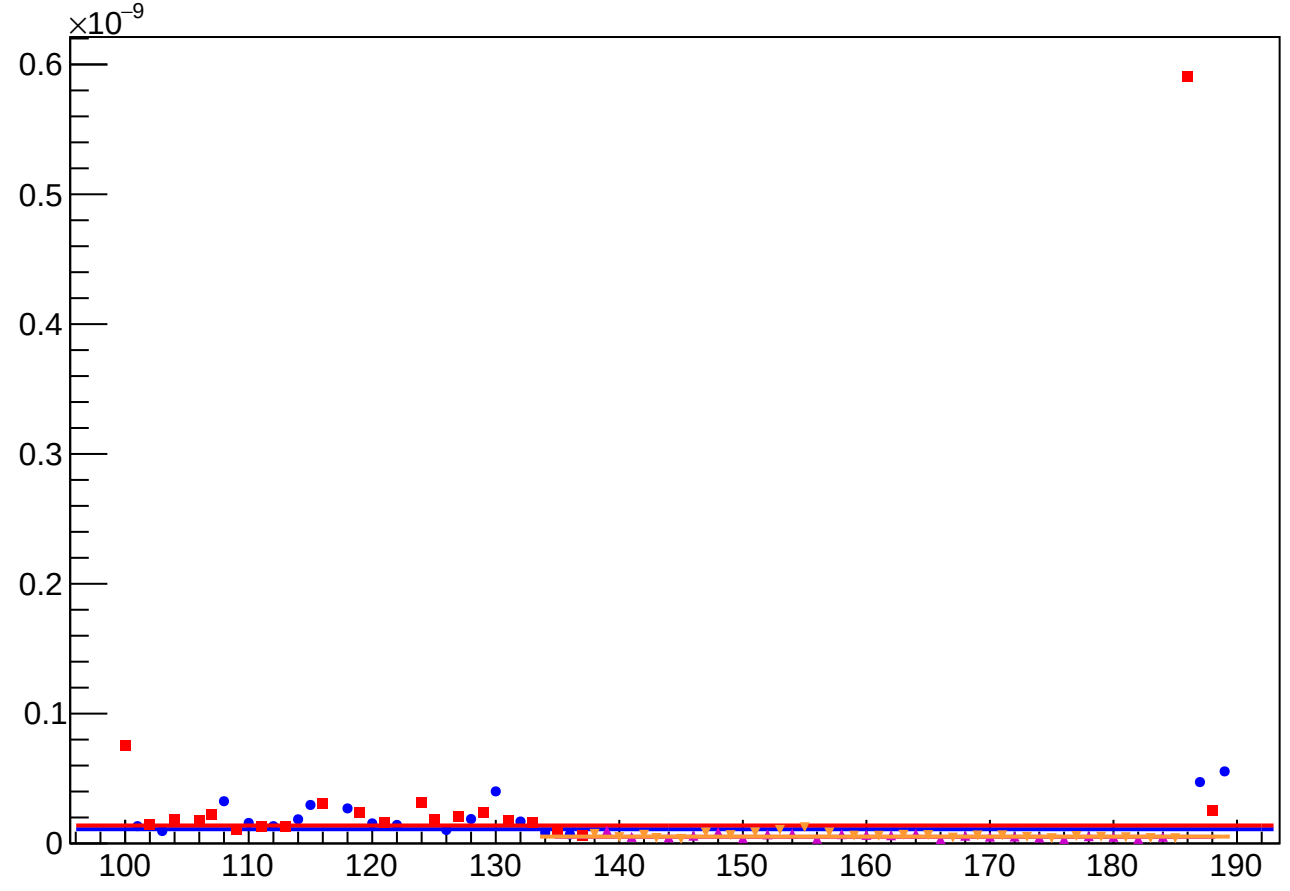
Right Out: -0.000+/-0.000 χ^2/NDF: 18.7/20

Left In: -0.000+/-0.000 χ^2/NDF:21.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 35.0/42

All: 0.000+/-0.000 χ^2/NDF: 82.7/86

- sign -0.000+/-0.000 χ^2/NDF: 44.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 2470071.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:2053779.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2164620.0/20

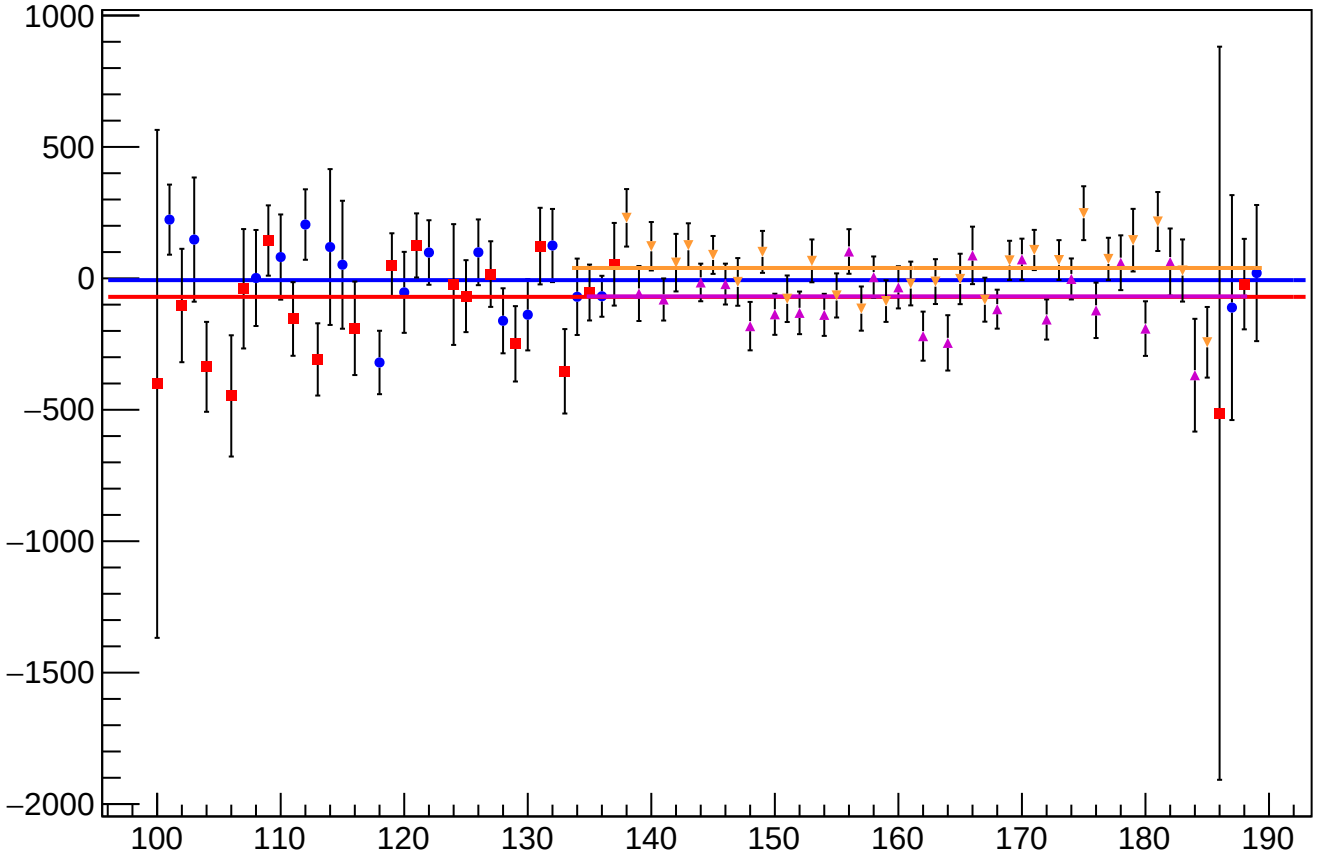
Left In: 0.000+/-0.000 χ^2/NDF:1700889.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 6452668.8/42

All: 0.000+/-0.000 χ^2/NDF: 13831014.0/86

- sign 0.000+/-0.000 χ^2/NDF: 7372845.8/43

reg_asym_sam_2468_avg_mean vs Slug



Right In: -6.757+/-33.883 χ^2/NDF: 19.0/17

Left Out: 39.477+/-17.666 χ^2/NDF:31.9/24

Right Out: -70.406+/-34.178 χ^2/NDF: 23.0/20

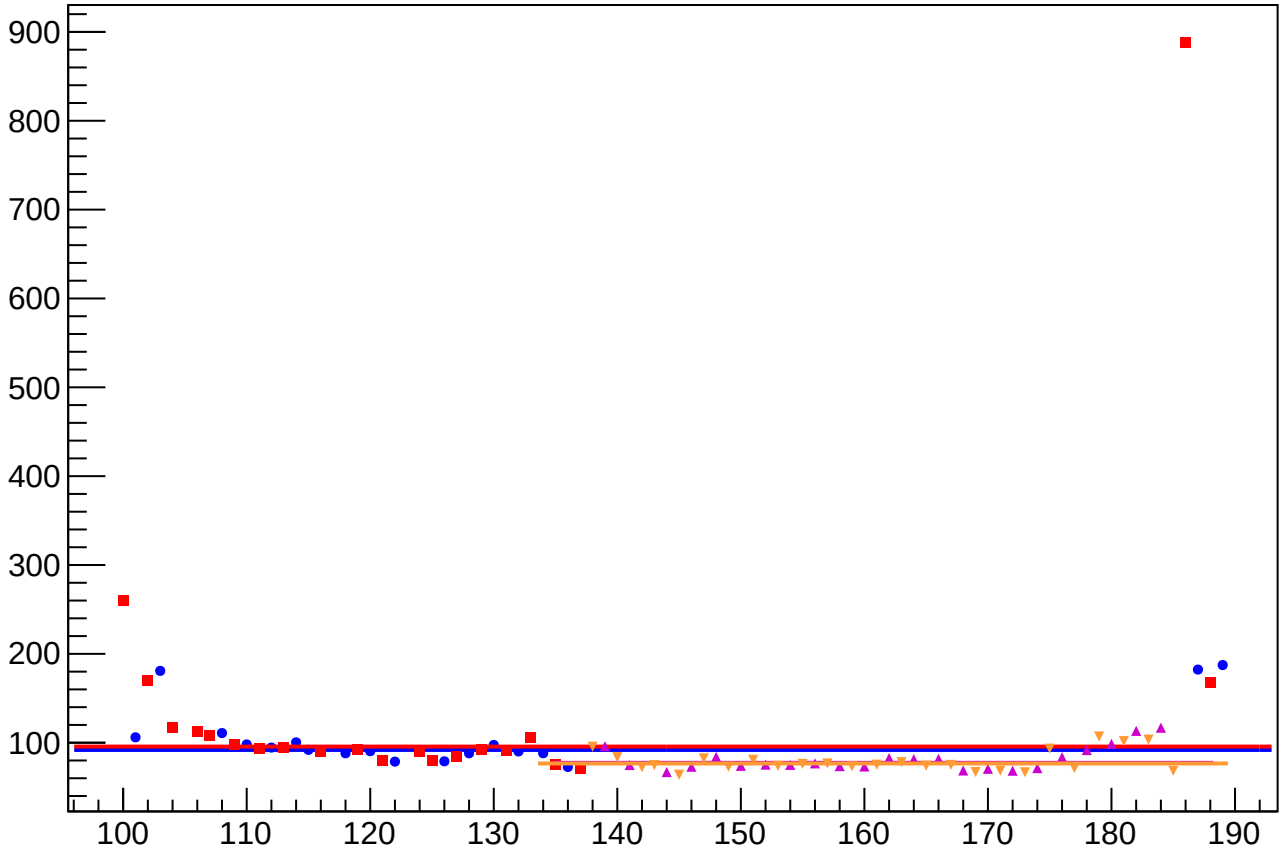
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 29.595+/-15.665 χ^2/NDF: 52.4/42

All: -18.224+/-11.242 χ^2/NDF: 123.6/86

- sign -69.018+/-16.145 χ^2/NDF: 52.0/43

reg_asym_sam_2468_avg_rms vs Slug



Right In: 91.859+/-0.024 χ^2/NDF: 868599.2/17

Left Out: 76.646+/-0.012 χ^2/NDF:654608.6/24

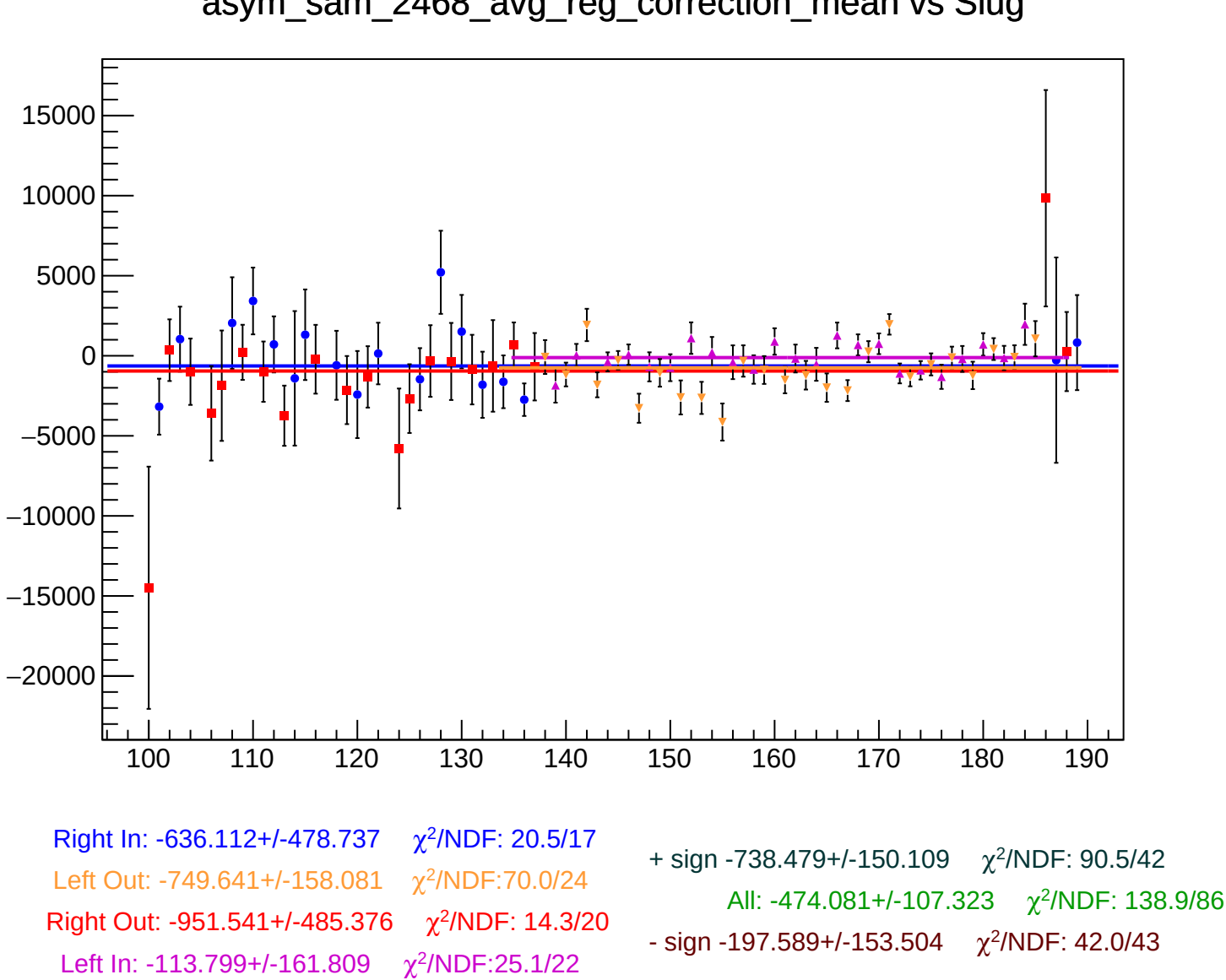
Right Out: 95.621+/-0.024 χ^2/NDF: 1559241.8/20

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

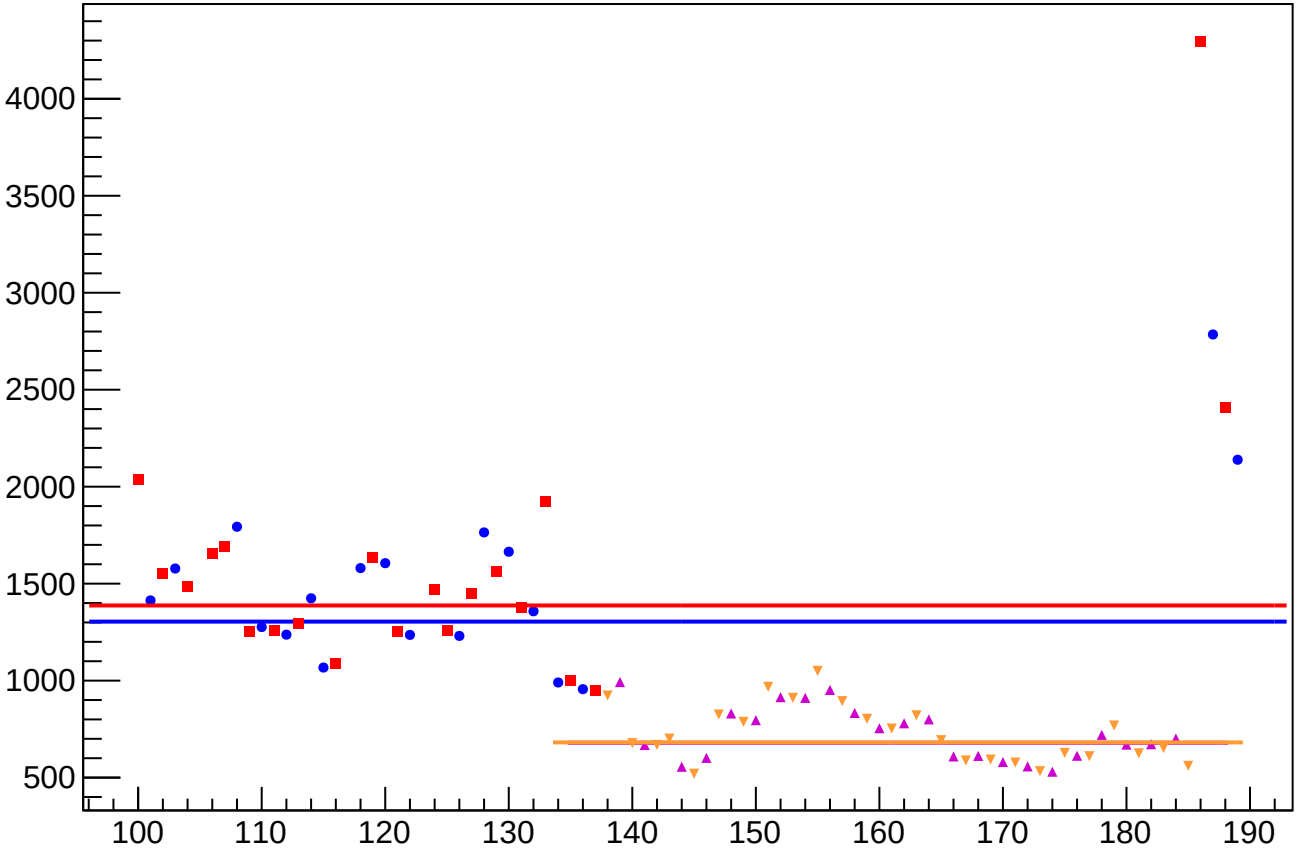
+ sign 79.898+/-0.011 χ^2/NDF: 1840194.0/42

All: 80.639+/-0.008 χ^2/NDF: 4443206.4/86

- sign 81.426+/-0.011 χ^2/NDF: 2593787.8/43


asym_sam_2468_avg_reg_correction_mean vs Slug
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
190
Right In: -636.112+/-478.737 χ²/NDF: 20.5/17
Left Out: -749.641+/-158.081 χ²/NDF:70.0/24
Right Out: -951.541+/-485.376 χ²/NDF: 14.3/20
Left In: -113.799+/-161.809 χ²/NDF:25.1/22
+ sign -738.479+/-150.109 χ²/NDF: 90.5/42
All: -474.081+/-107.323 χ²/NDF: 138.9/86
- sign -197.589+/-153.504 χ²/NDF: 42.0/43

asym_sam_2468_avg_reg_correction_rms vs Slug



Right In: 1304.256+/-0.339 χ^2/NDF: 870280.4/17

Left Out: 681.427+/-0.112 χ^2/NDF:1334213.4/24

Right Out: 1387.495+/-0.343 χ^2/NDF: 1207547.0/20

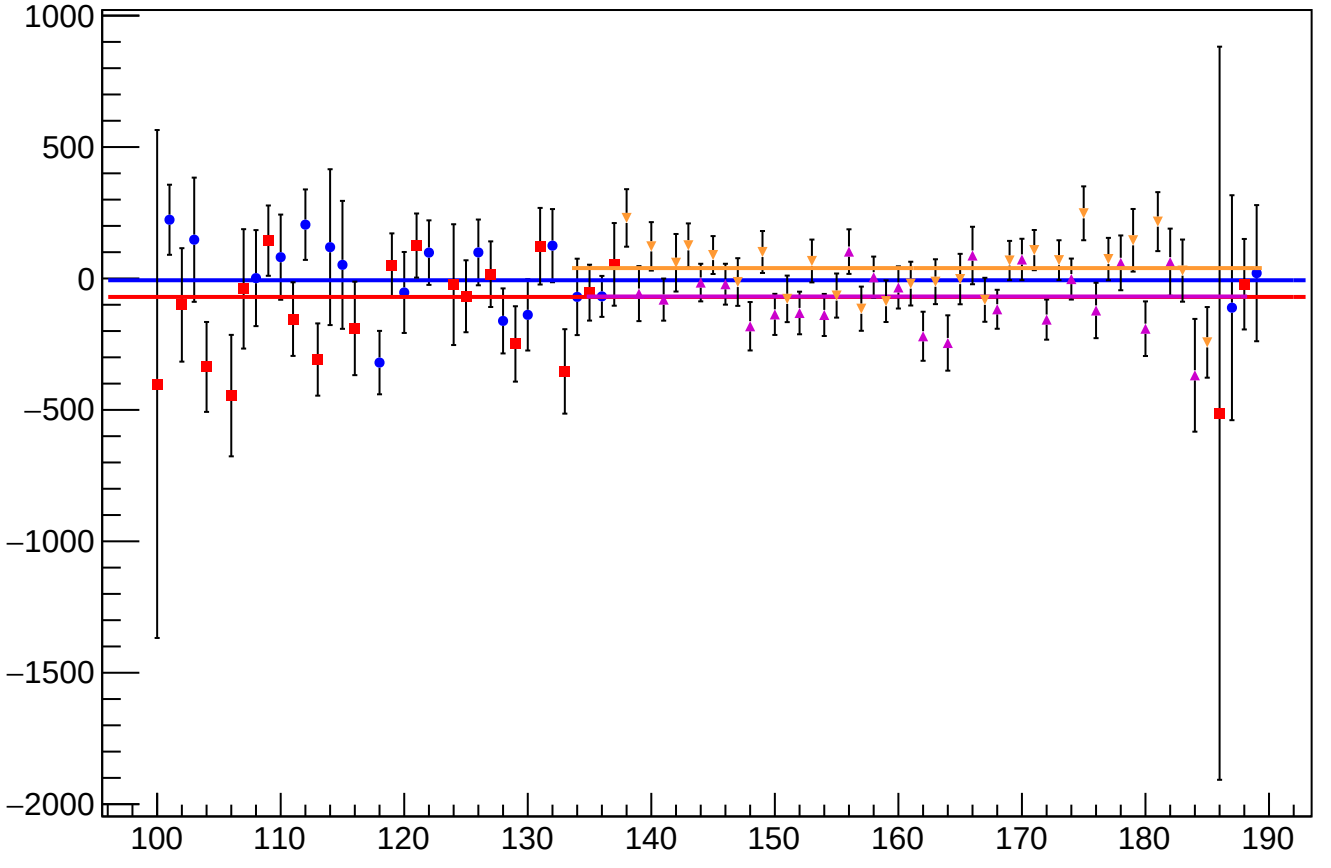
Left In: 679.413+/-0.114 χ^2/NDF:1185267.0/22

+ sign 742.660+/-0.106 χ^2/NDF: 5256807.5/42

All: 746.363+/-0.076 χ^2/NDF: 11482765.9/86

- sign 750.235+/-0.109 χ^2/NDF: 6223468.9/43

cor_asym_sam_2468_avg_mean vs Slug



Right In: -6.766+/-33.883 χ^2/NDF: 19.0/17

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: -70.268+/-34.180 χ^2/NDF: 22.9/20

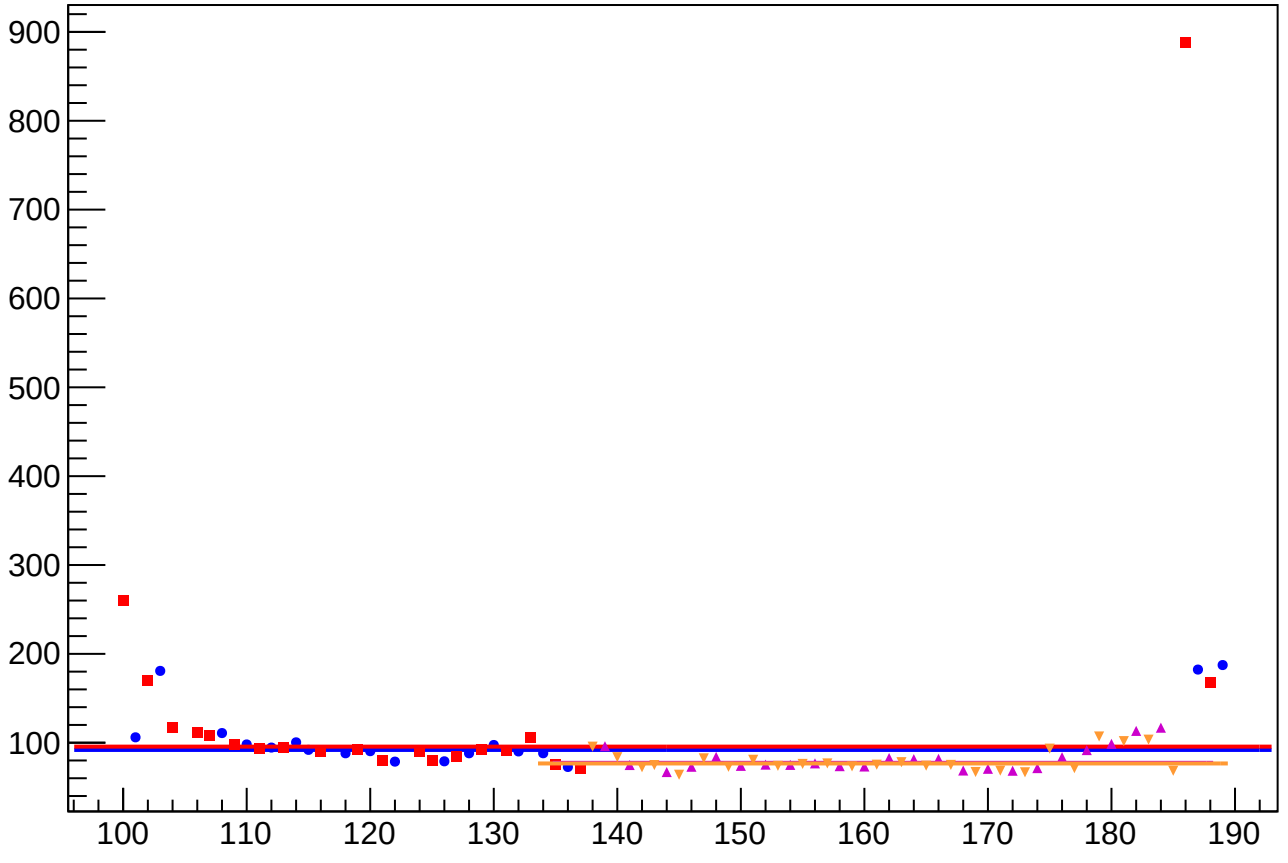
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 29.599+/-15.665 χ^2/NDF: 52.4/42

All: -18.207+/-11.243 χ^2/NDF: 123.6/86

- sign -68.987+/-16.145 χ^2/NDF: 51.9/43

cor_asym_sam_2468_avg_rms vs Slug



Right In: 91.859+/-0.024 χ^2/NDF: 868602.8/17

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

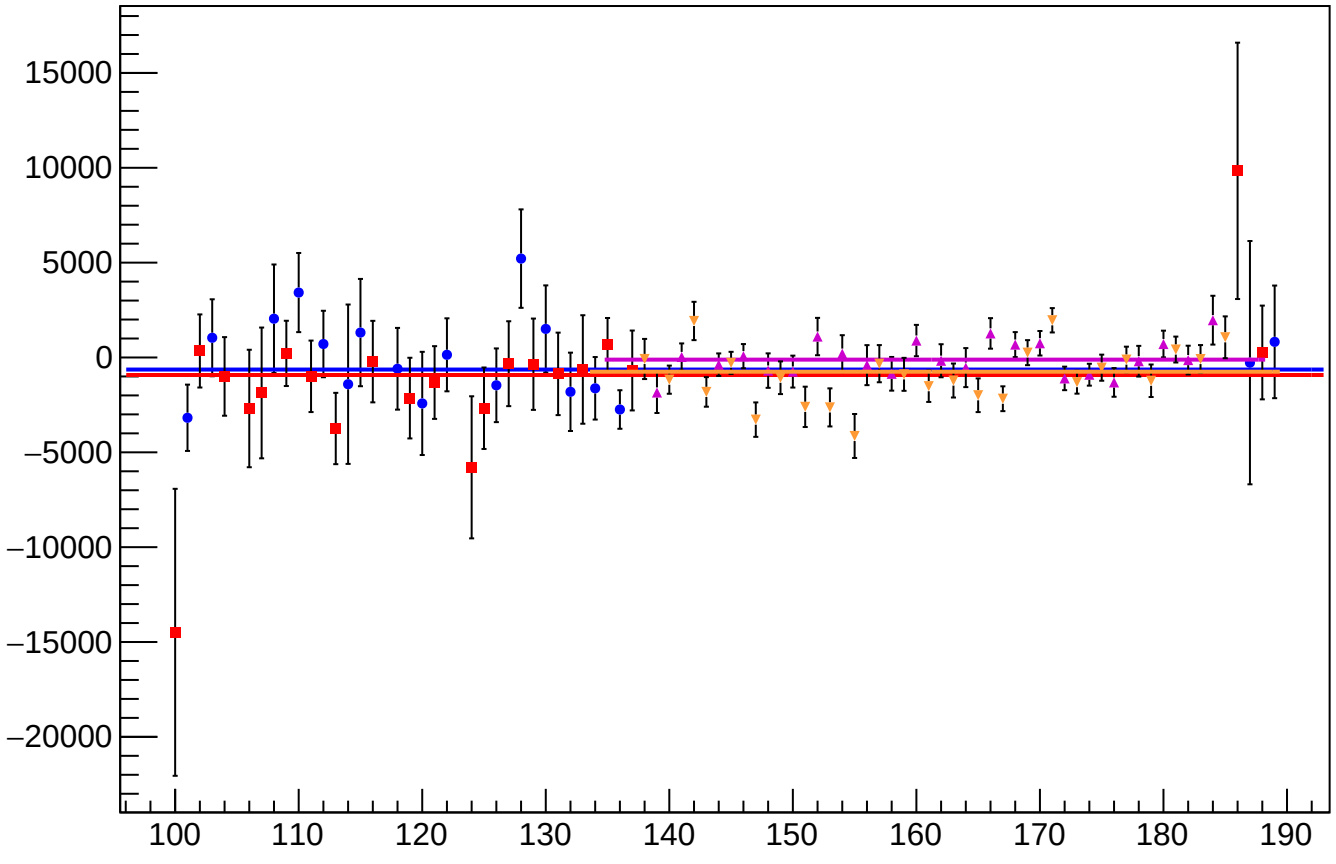
Right Out: 95.591+/-0.024 χ^2/NDF: 1557835.6/20

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 79.898+/-0.011 χ^2/NDF: 1840197.5/42

All: 80.635+/-0.008 χ^2/NDF: 4440217.5/86

- sign 81.419+/-0.011 χ^2/NDF: 2590880.5/43



Right In: -636.075+/-478.739 χ^2/NDF: 20.5/17

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

Right Out: -923.184+/-486.000 χ^2/NDF: 13.8/20

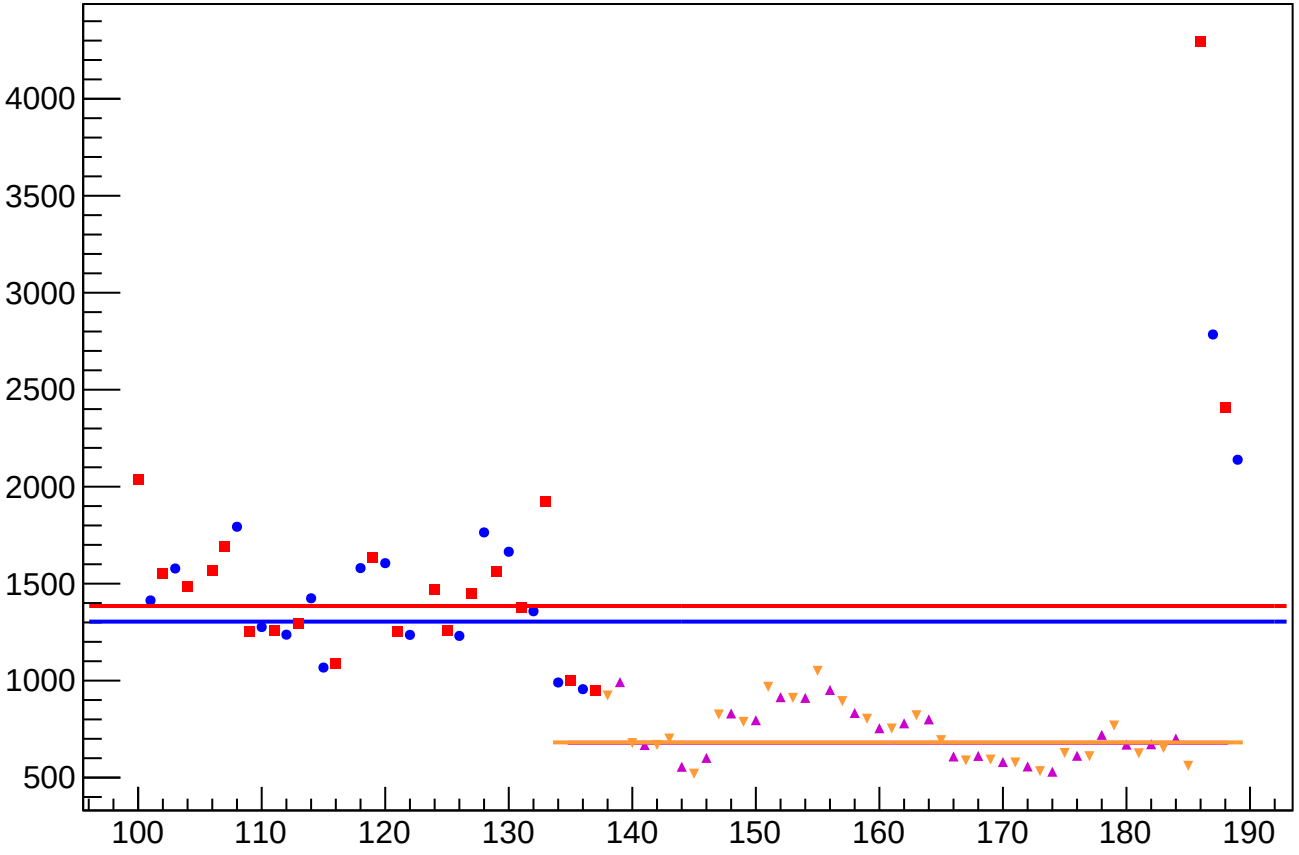
Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -738.468+/-150.109 χ^2/NDF: 90.5/42

All: -472.633+/-107.330 χ^2/NDF: 138.3/86

- sign -194.566+/-153.524 χ^2/NDF: 41.3/43

asym_sam_2468_avg_cor_correction_rms vs Slug



Right In: 1304.260+/-0.339 χ^2/NDF: 870306.1/17

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1384.751+/-0.344 χ^2/NDF: 1198044.8/20

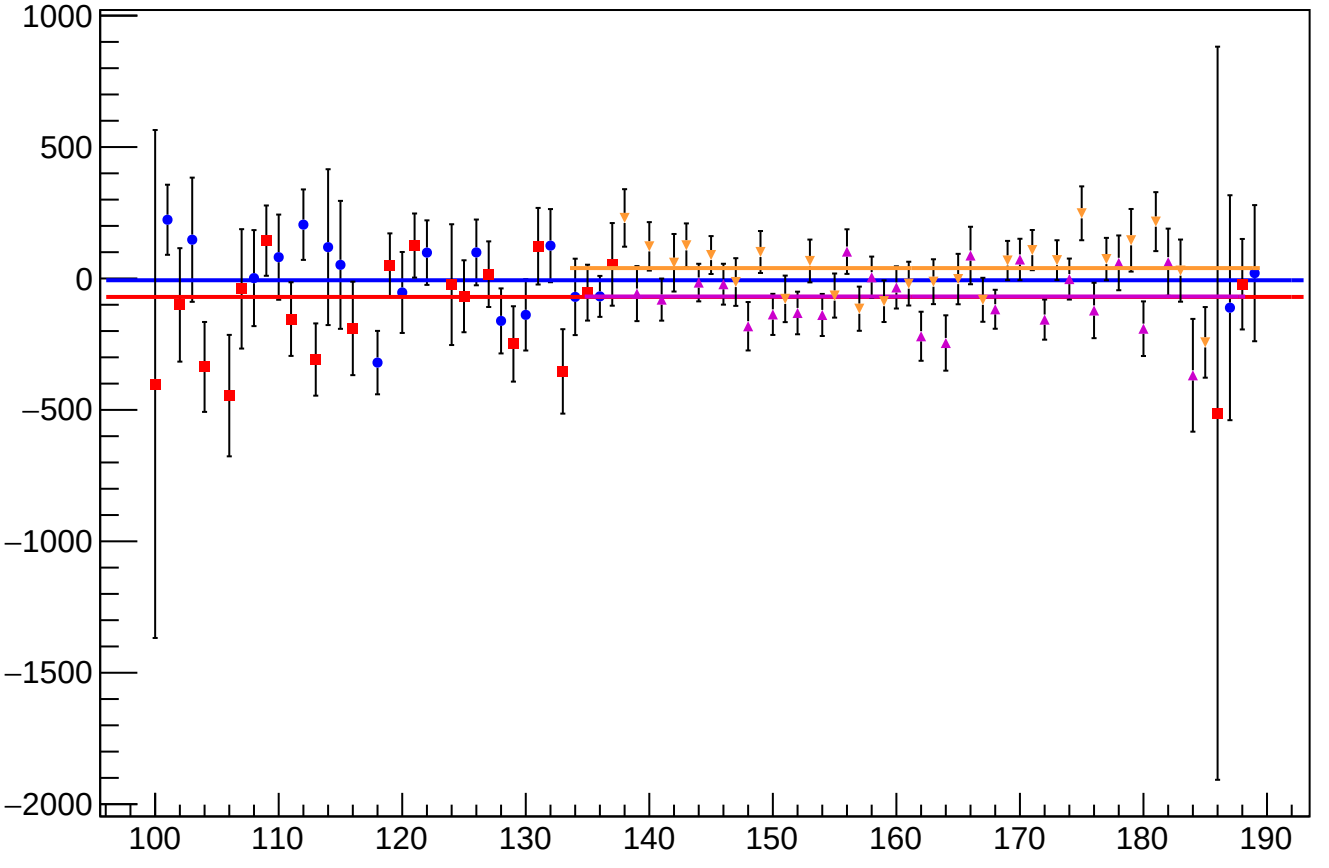
Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

\+ sign 742.660+/-0.106 χ^2/NDF: 5256850.1/42

All: 746.149+/-0.076 χ^2/NDF: 11434608.9/86

\- sign 749.798+/-0.109 χ^2/NDF: 6175548.5/43

eigen_cor_asym_sam_2468_avg_mean vs Slug



Right In: -6.766+/-33.883 χ^2/NDF: 19.0/17

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: -70.268+/-34.180 χ^2/NDF: 22.9/20

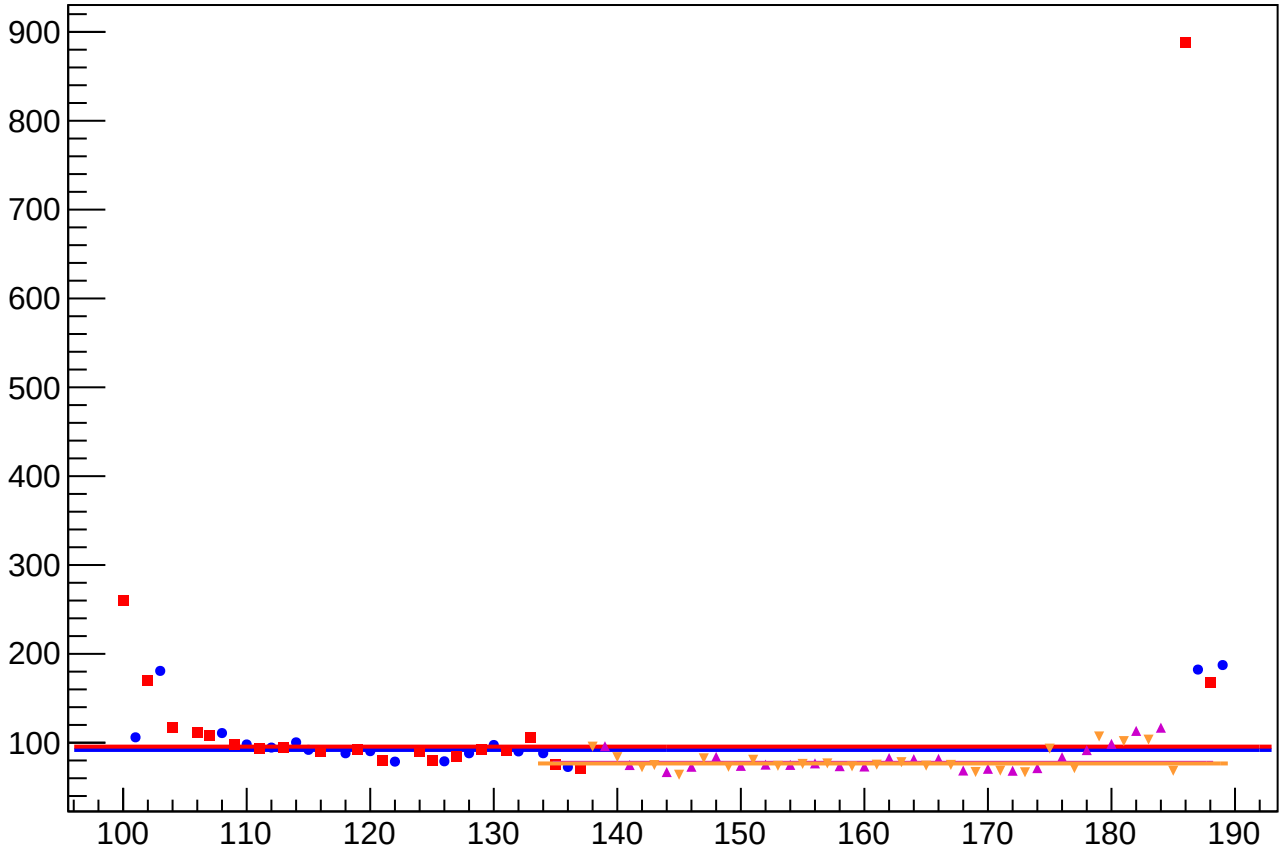
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 29.599+/-15.665 χ^2/NDF: 52.4/42

All: -18.207+/-11.243 χ^2/NDF: 123.6/86

- sign -68.987+/-16.145 χ^2/NDF: 51.9/43

eigen_cor_asym_sam_2468_avg_rms vs Slug



Right In: 91.859+/-0.024 χ^2/NDF: 868602.8/17

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

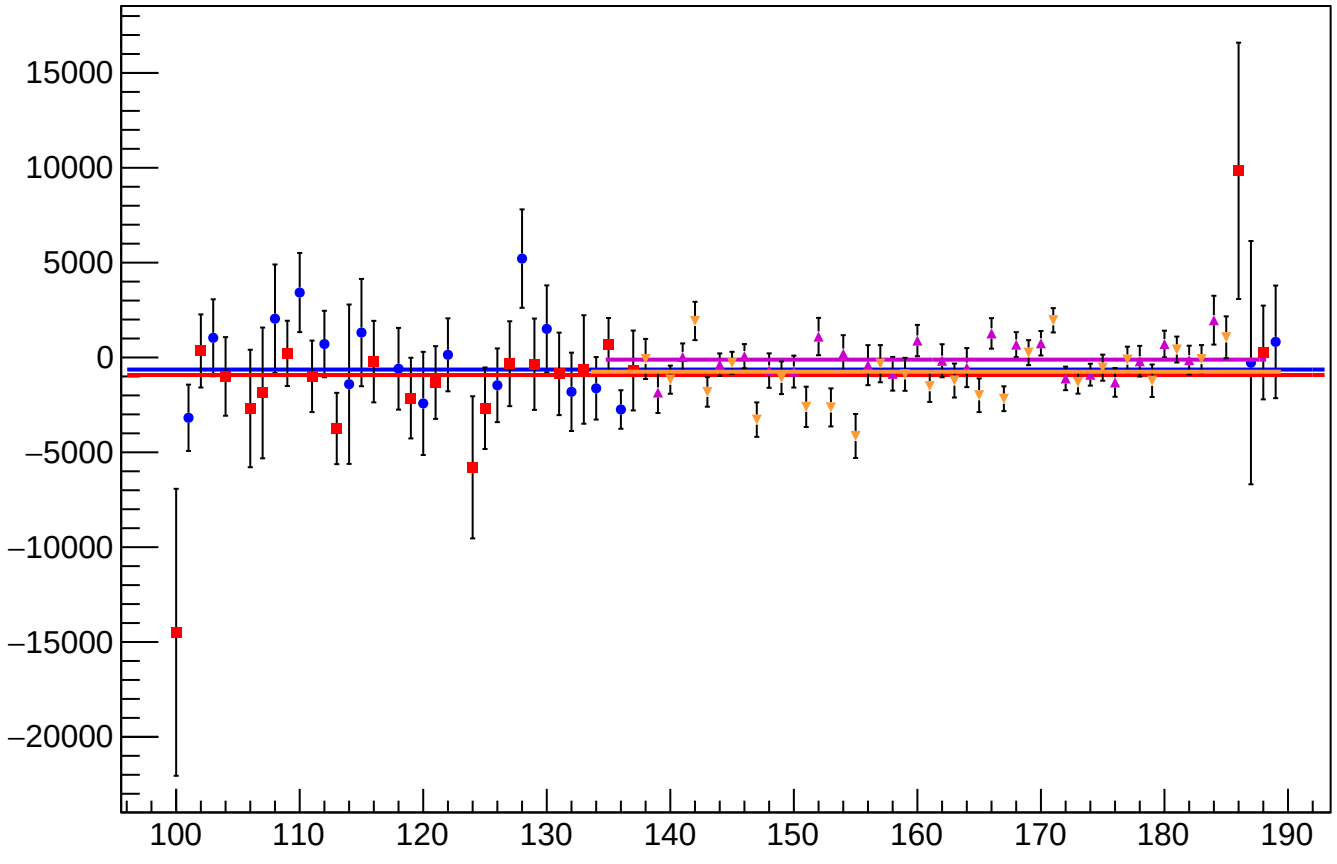
Right Out: 95.591+/-0.024 χ^2/NDF: 1557835.6/20

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 79.898+/-0.011 χ^2/NDF: 1840197.5/42

All: 80.635+/-0.008 χ^2/NDF: 4440217.5/86

- sign 81.419+/-0.011 χ^2/NDF: 2590880.5/43



Right In: -636.075+/-478.739 χ^2/NDF: 20.5/17

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

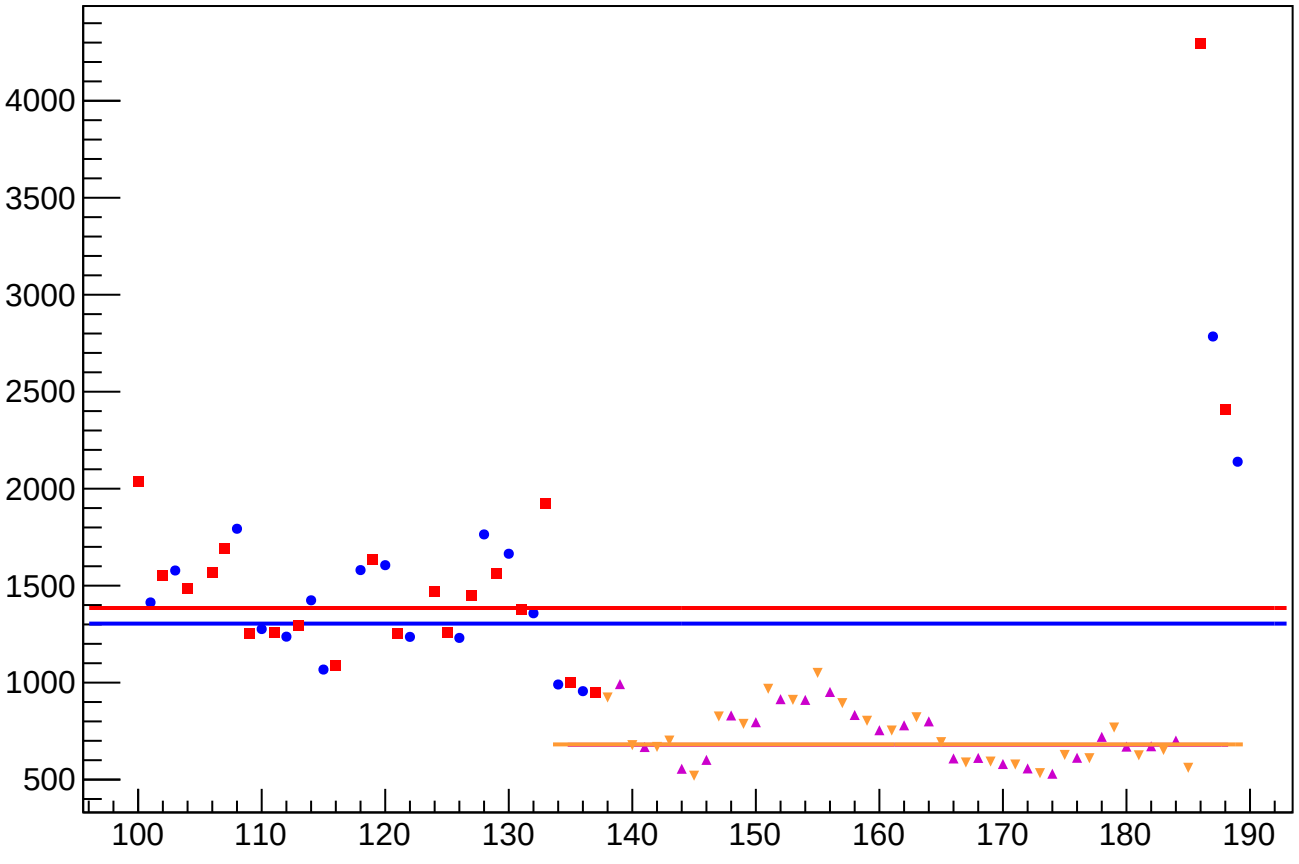
Right Out: -923.184+/-486.000 χ^2/NDF: 13.8/20

Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -738.468+/-150.109 χ^2/NDF: 90.5/42

All: -472.633+/-107.330 χ^2/NDF: 138.3/86

- sign -194.566+/-153.524 χ^2/NDF: 41.3/43



Right In: 1304.260+/-0.339 χ^2/NDF: 870306.1/17

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1384.751+/-0.344 χ^2/NDF: 1198044.8/20

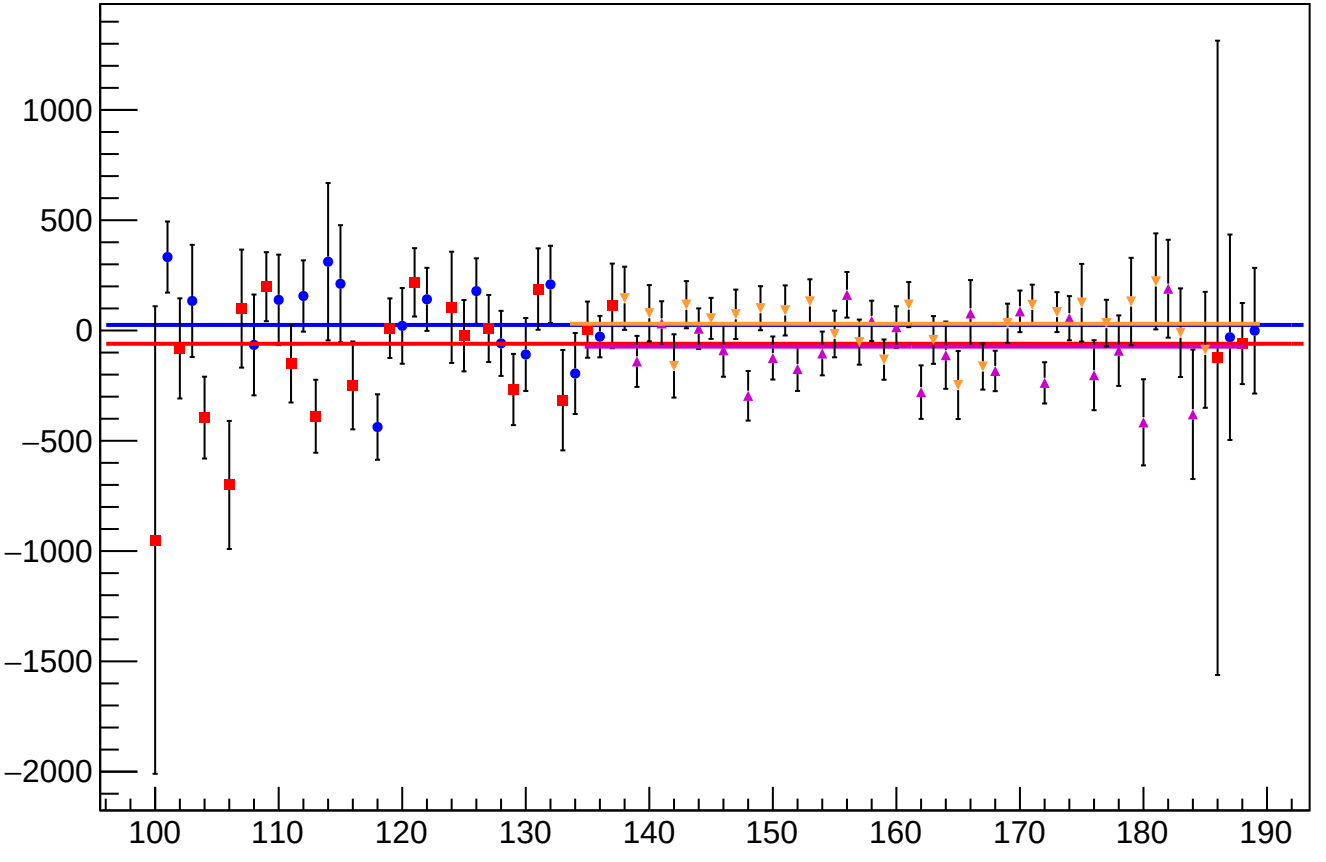
Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

+ sign 742.660+/-0.106 χ^2/NDF: 5256850.1/42

All: 746.149+/-0.076 χ^2/NDF: 11434608.9/86

- sign 749.798+/-0.109 χ^2/NDF: 6175548.5/43

dit_asym_sam_2468_avg_mean vs Slug



Right In: 25.264+/-40.639 χ^2/NDF: 21.4/17

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: -60.124+/-40.492 χ^2/NDF: 27.0/20

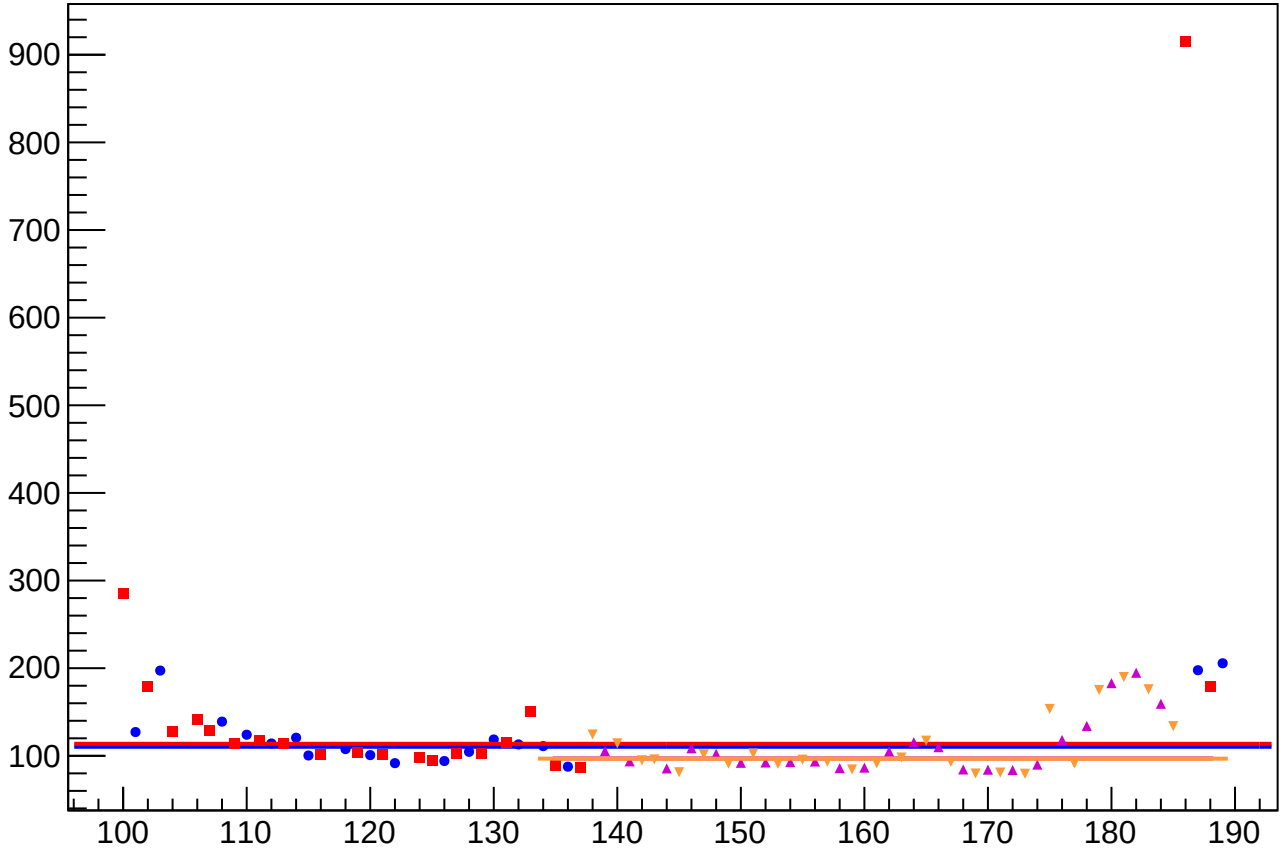
Left In: -73.147+/-23.510 χ^2/NDF:34.5/22

+ sign 29.382+/-19.921 χ^2/NDF: 41.3/42

All: -19.229+/-14.229 χ^2/NDF: 115.1/86

- sign -69.864+/-20.332 χ^2/NDF: 61.6/43

dit_asym_sam_2468_avg_rms vs Slug



Right In: 110.359+/-0.029 χ^2/NDF: 785722.3/17

Left Out: 96.794+/-0.016 χ^2/NDF:1720415.9/24

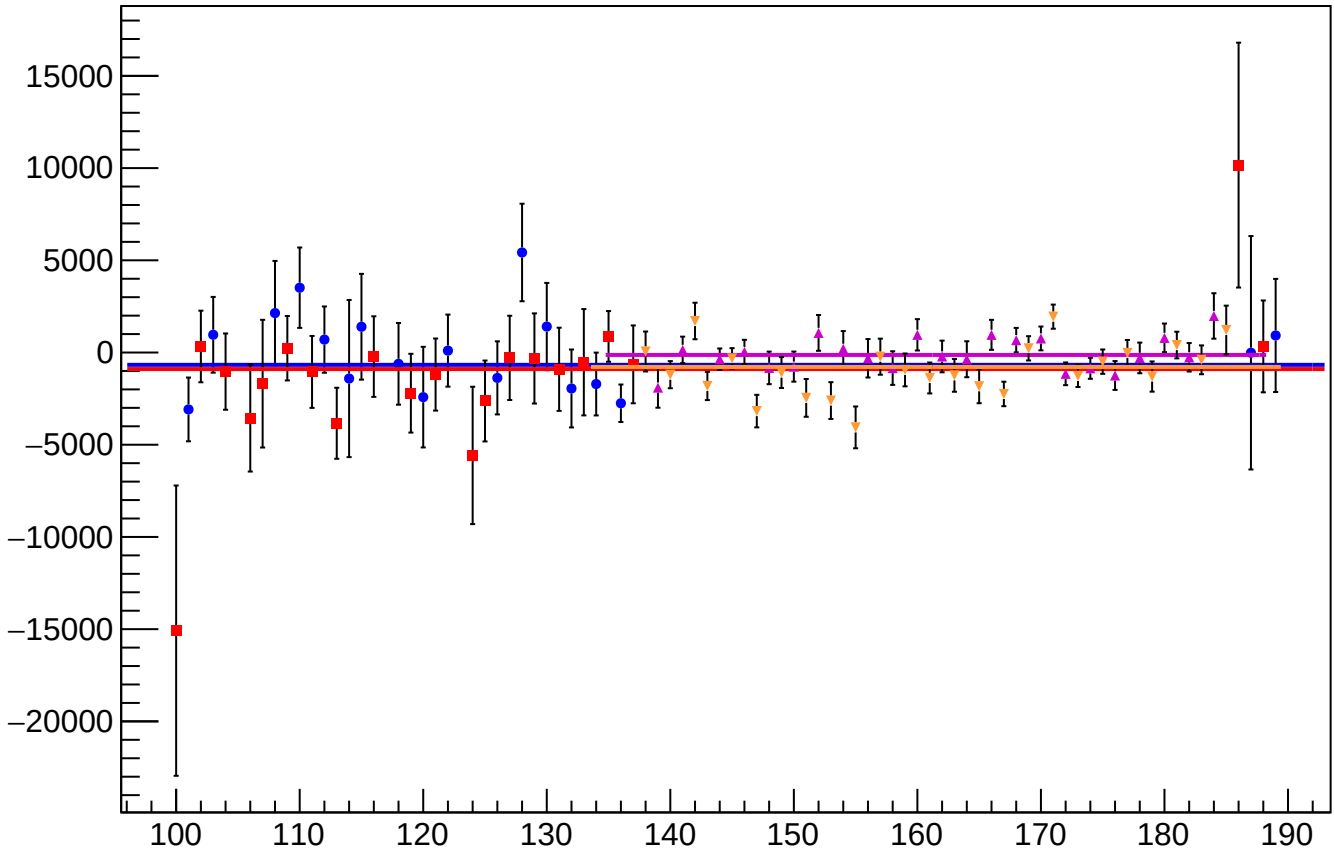
Right Out: 113.745+/-0.029 χ^2/NDF: 1384761.7/20

Left In: 97.017+/-0.017 χ^2/NDF:1321187.5/22

+ sign 100.054+/-0.014 χ^2/NDF: 2675422.8/42

All: 100.632+/-0.010 χ^2/NDF: 5640107.9/86

- sign 101.234+/-0.014 χ^2/NDF: 2961246.2/43



Right In: -667.736+/-485.561 χ^2/NDF: 20.4/17

Left Out: -783.756+/-158.329 χ^2/NDF:66.3/24

Right Out: -897.621+/-490.166 χ^2/NDF: 14.8/20

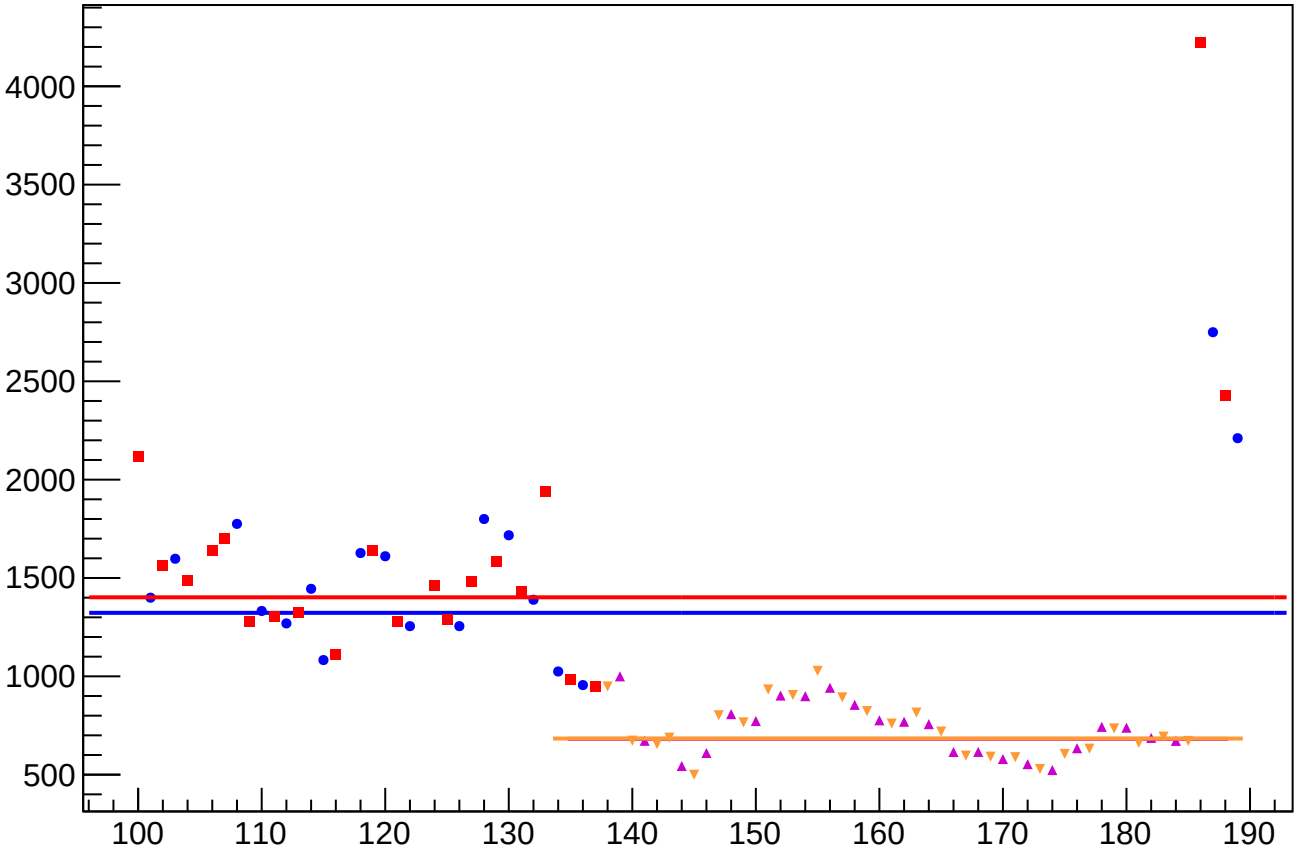
Left In: -131.380+/-162.409 χ^2/NDF:24.3/22

+ sign -772.606+/-150.528 χ^2/NDF: 86.8/42

All: -496.644+/-107.703 χ^2/NDF: 135.0/86

- sign -207.179+/-154.167 χ^2/NDF: 41.3/43

asym_sam_2468_avg_dit_correction_rms vs Slug



Right In: 1322.848+/-0.343 χ^2/NDF: 888342.8/17

Left Out: 683.698+/-0.112 χ^2/NDF:1297969.4/24

Right Out: 1401.763+/-0.347 χ^2/NDF: 1217250.5/20

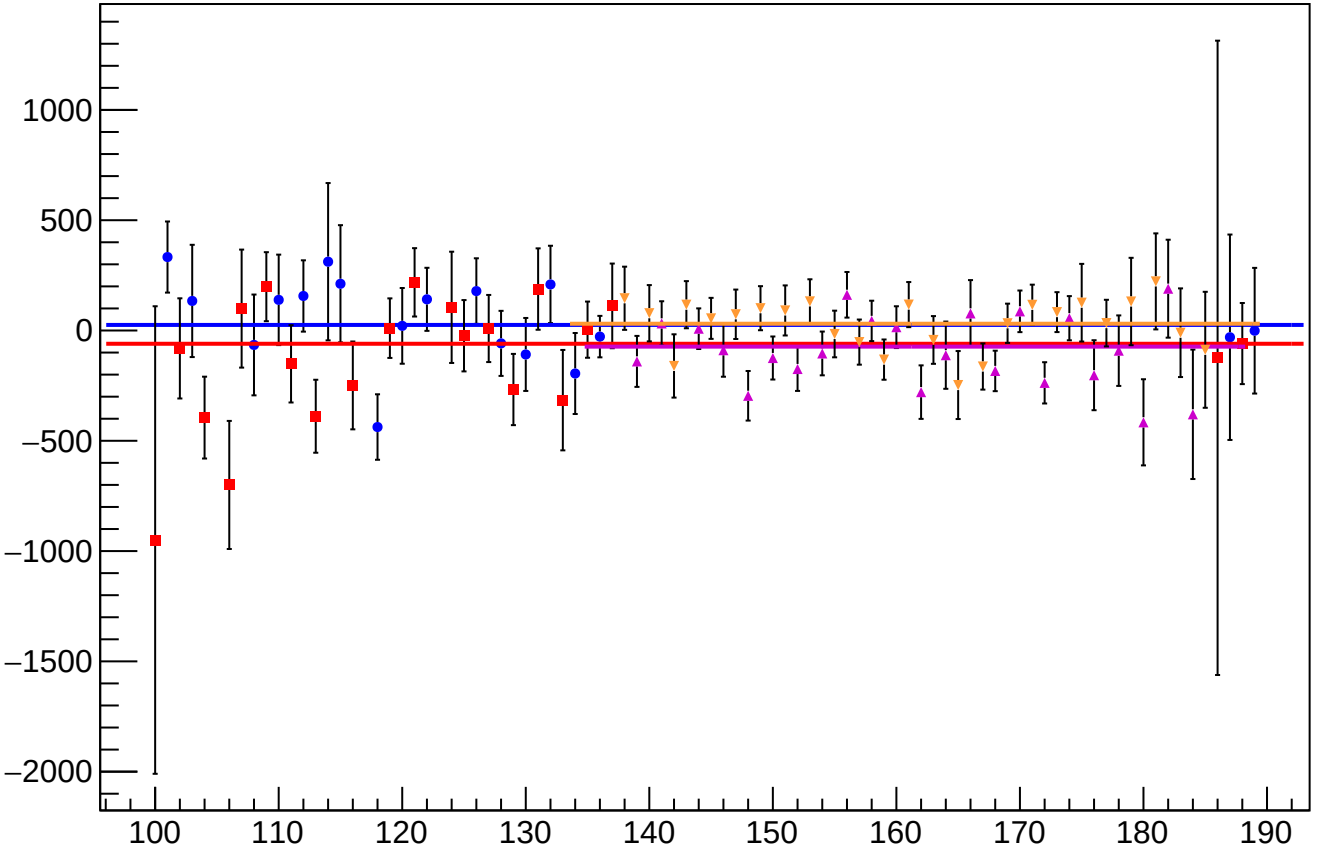
Left In: 681.961+/-0.115 χ^2/NDF:1186135.0/22

+ sign 745.124+/-0.106 χ^2/NDF: 5318629.0/42

All: 749.049+/-0.076 χ^2/NDF: 11611053.6/86

- sign 753.167+/-0.109 χ^2/NDF: 6289638.0/43

eigen_dit_asym_sam_2468_avg_mean vs Slug



Right In: 25.265+/-40.639 χ^2/NDF: 21.4/17

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: -60.122+/-40.492 χ^2/NDF: 27.0/20

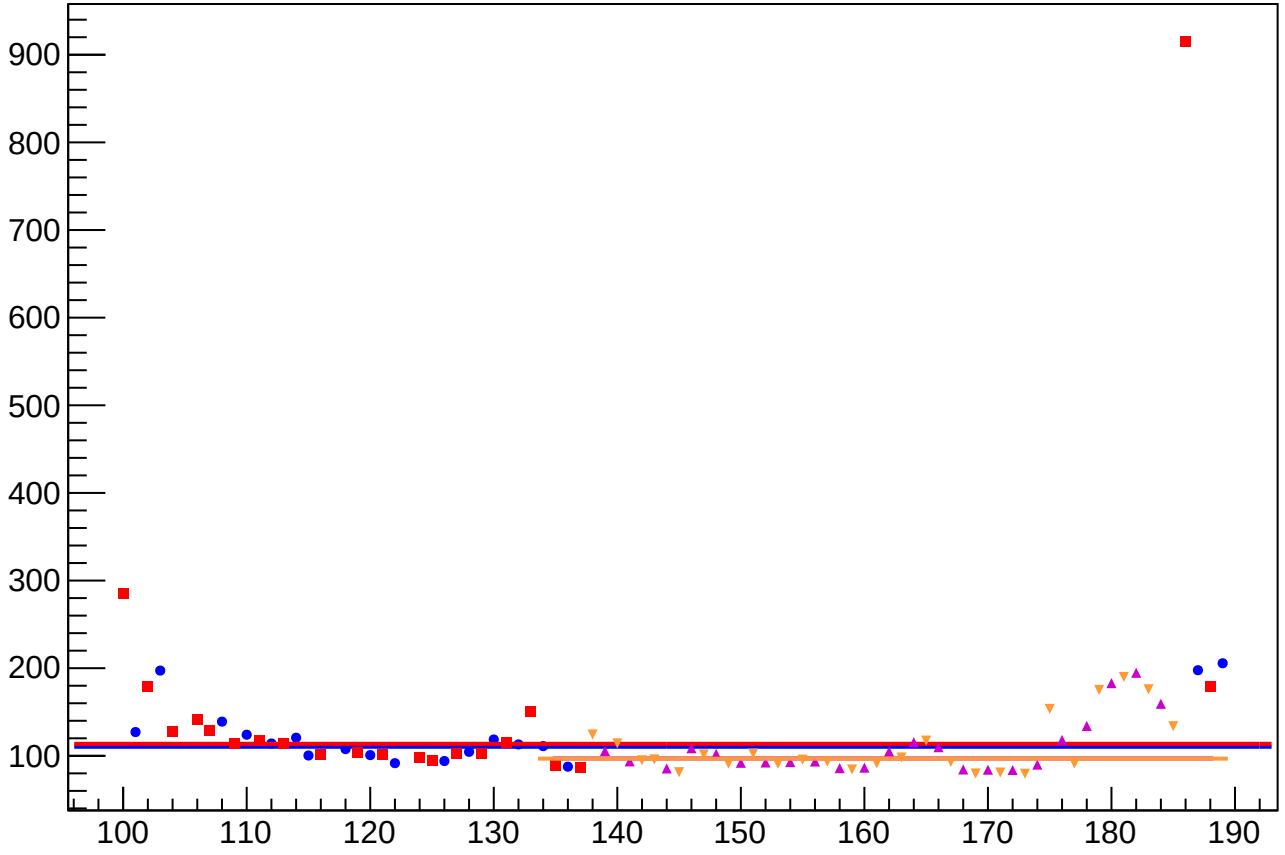
Left In: -73.146+/-23.510 χ^2/NDF:34.5/22

+ sign 29.382+/-19.921 χ^2/NDF: 41.3/42

All: -19.228+/-14.229 χ^2/NDF: 115.1/86

- sign -69.863+/-20.332 χ^2/NDF: 61.6/43

eigen_dit_asym_sam_2468_avg_rms vs Slug



Right In: 110.358+/-0.029 χ^2/NDF: 785714.1/17

Left Out: 96.795+/-0.016 χ^2/NDF:1720415.9/24

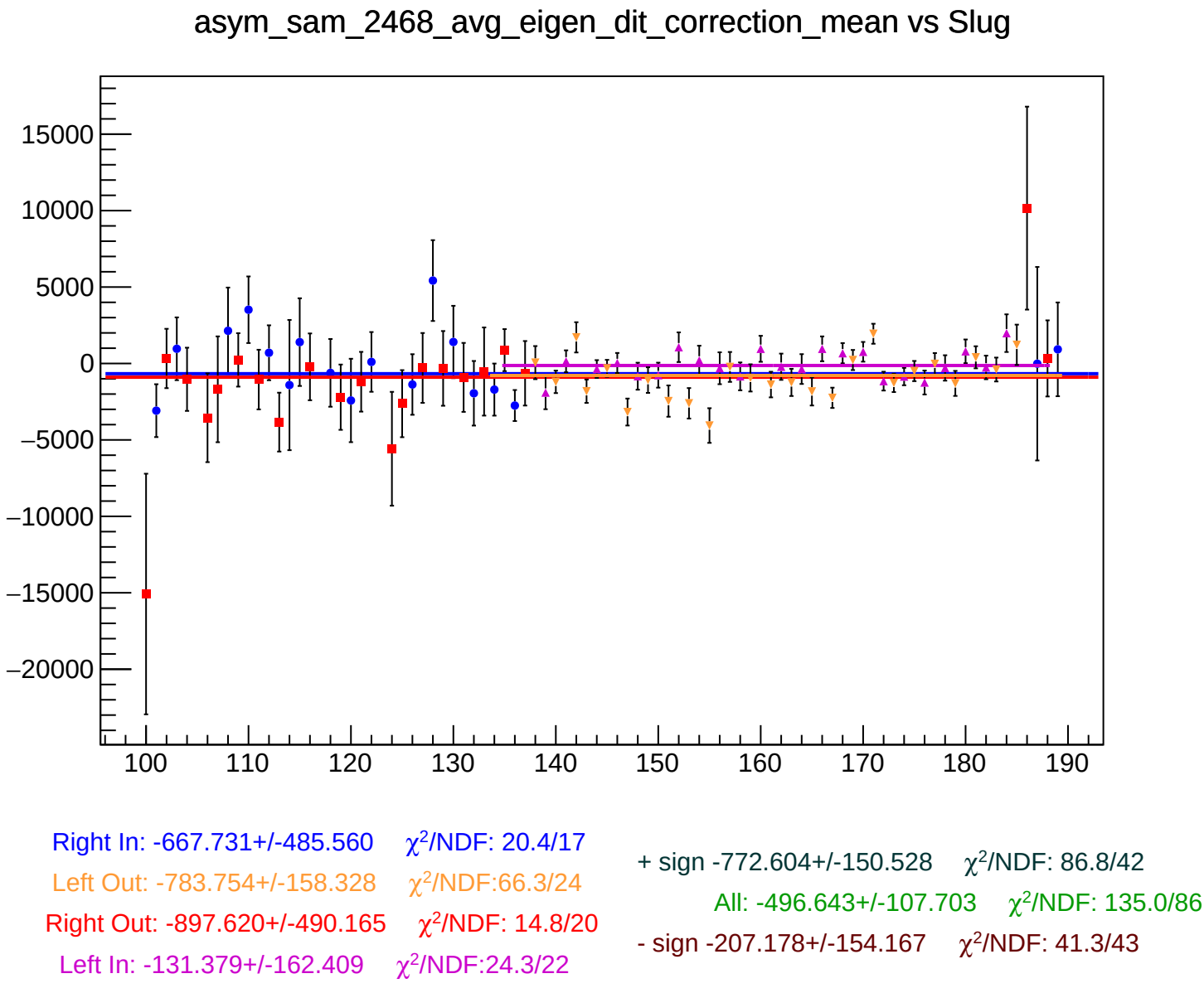
Right Out: 113.745+/-0.029 χ^2/NDF: 1384766.3/20

Left In: 97.017+/-0.017 χ^2/NDF:1321171.2/22

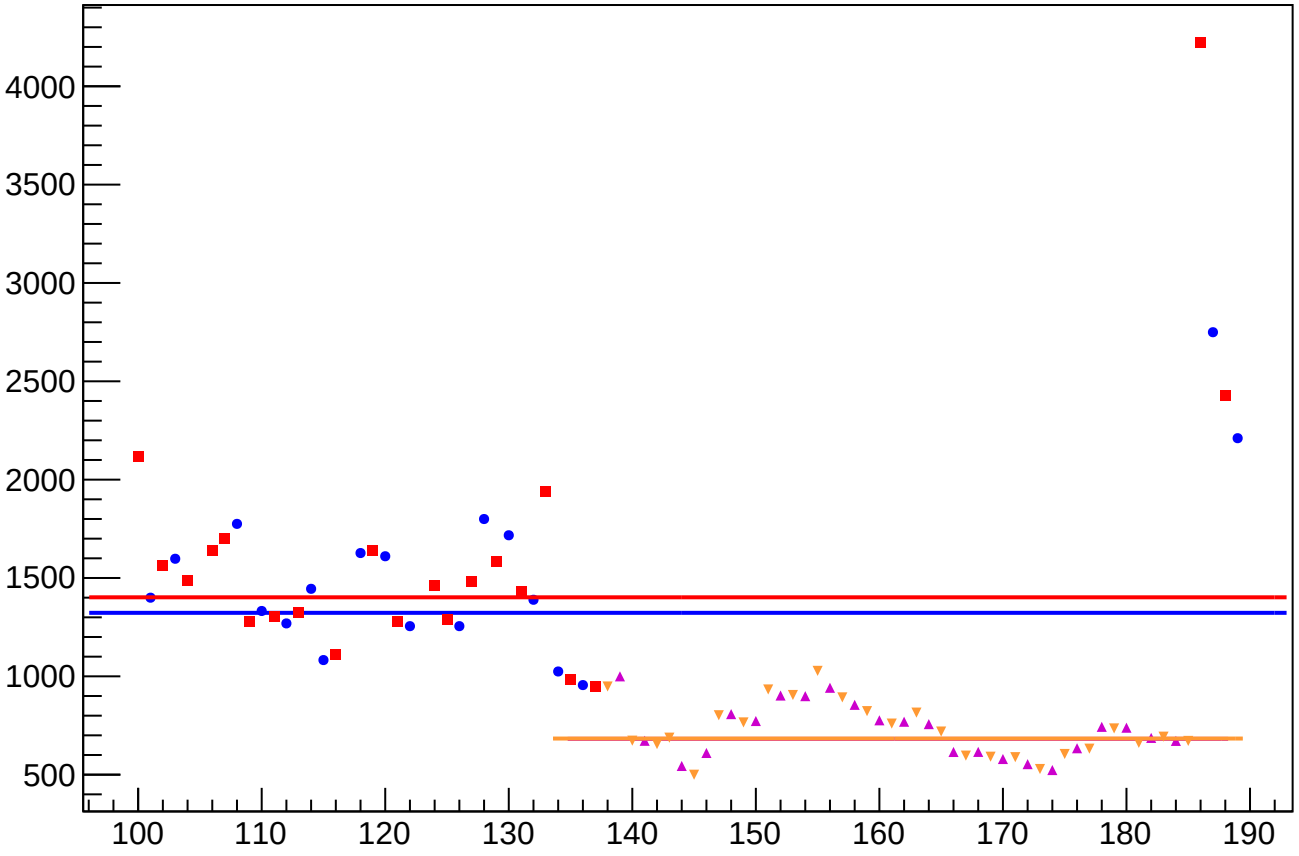
+ sign 100.054+/-0.014 χ^2/NDF: 2675389.8/42

All: 100.632+/-0.010 χ^2/NDF: 5640036.1/86

- sign 101.234+/-0.014 χ^2/NDF: 2961207.2/43


asym_sam_2468_avg_eigen_dit_correction_mean vs Slug
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
190
Right In: -667.731+/-485.560 χ²/NDF: 20.4/17
Left Out: -783.754+/-158.328 χ²/NDF:66.3/24
Right Out: -897.620+/-490.165 χ²/NDF: 14.8/20
Left In: -131.379+/-162.409 χ²/NDF:24.3/22
+ sign -772.604+/-150.528 χ²/NDF: 86.8/42
All: -496.643+/-107.703 χ²/NDF: 135.0/86
- sign -207.178+/-154.167 χ²/NDF: 41.3/43

asym_sam_2468_avg_eigen_dit_correction_rms vs Slug



Right In: 1322.845+/-0.343 χ^2/NDF: 888341.2/17

Left Out: 683.696+/-0.112 χ^2/NDF:1297975.5/24

Right Out: 1401.760+/-0.347 χ^2/NDF: 1217251.0/20

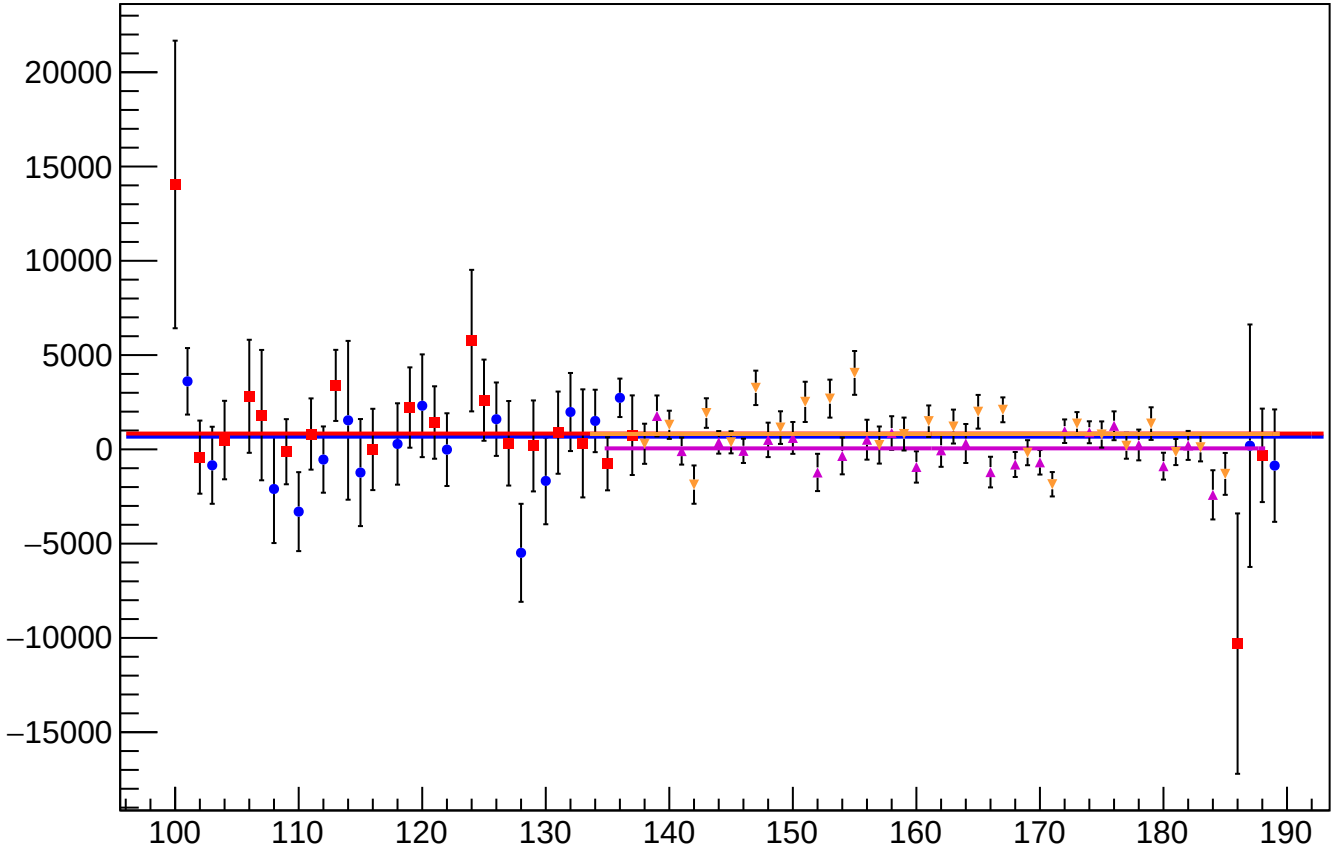
Left In: 681.960+/-0.115 χ^2/NDF:1186136.6/22

+ sign 745.122+/-0.106 χ^2/NDF: 5318633.8/42

All: 749.047+/-0.076 χ^2/NDF: 11611059.5/86

- sign 753.165+/-0.109 χ^2/NDF: 6289639.0/43

asym_sam_2468_avg_mean vs Slug



Right In: 673.619+/-480.472 χ^2/NDF: 21.2/17

Left Out: 814.067+/-159.256 χ^2/NDF:65.8/24

Right Out: 837.654+/-487.073 χ^2/NDF: 13.5/20

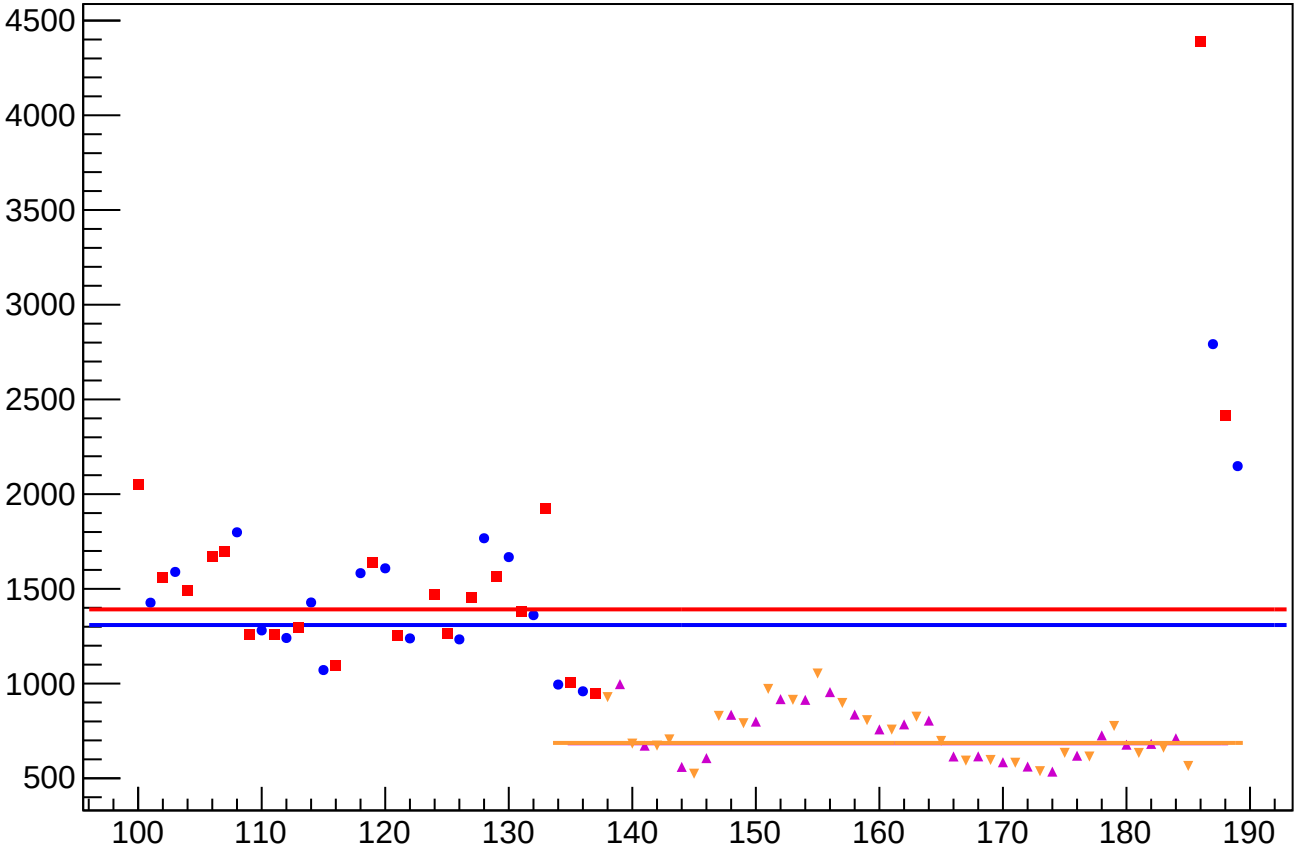
Left In: 52.290+/-163.036 χ^2/NDF:25.4/22

+ sign 800.164+/-151.168 χ^2/NDF: 87.1/42

All: 473.305+/-108.087 χ^2/NDF: 137.8/86

- sign 131.418+/-154.605 χ^2/NDF: 41.2/43

asym_sam_2468_avg_rms vs Slug



Right In: 1309.033+/-0.340 χ^2/NDF: 870516.5/17

Left Out: 686.700+/-0.113 χ^2/NDF:1312231.8/24

Right Out: 1391.663+/-0.344 χ^2/NDF: 1215315.0/20

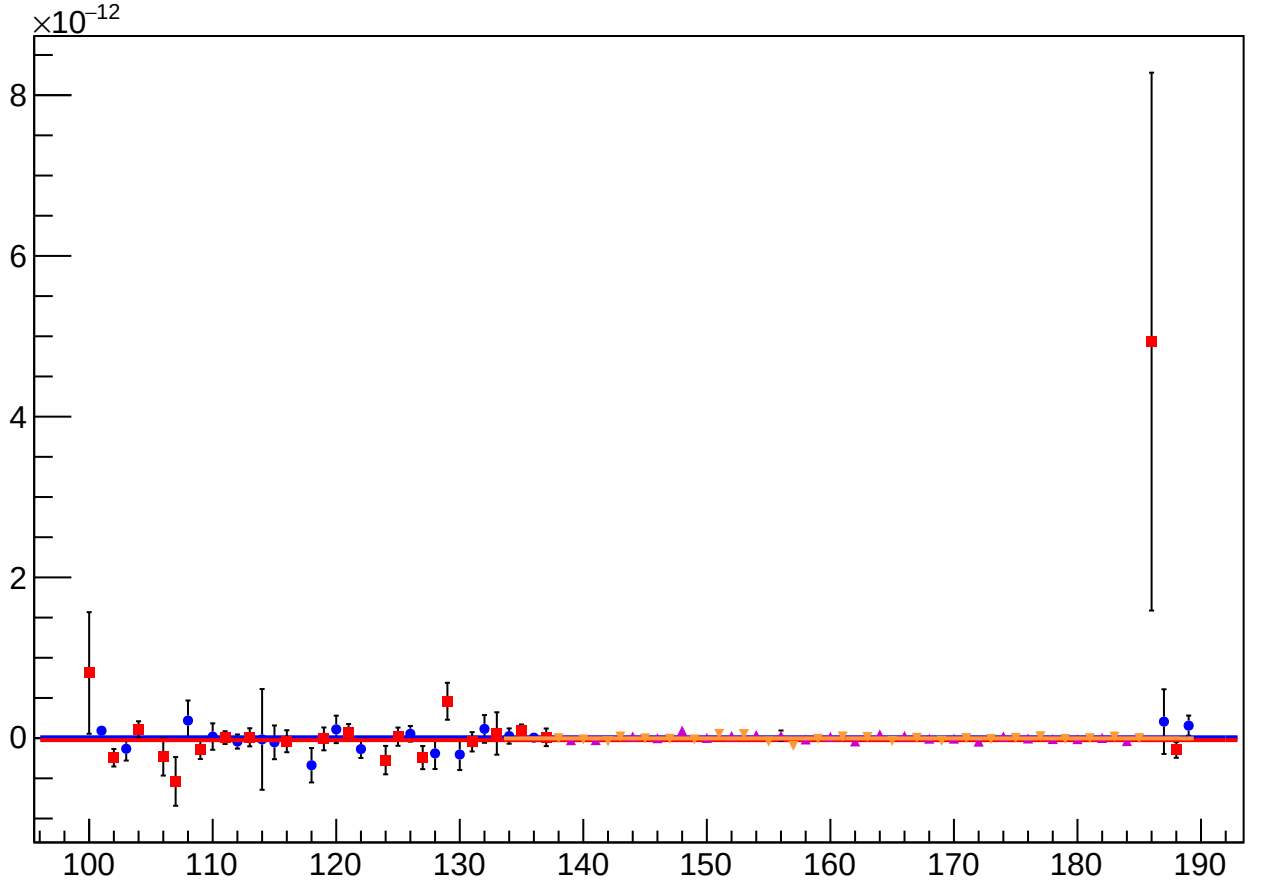
Left In: 684.763+/-0.115 χ^2/NDF:1165205.5/22

+ sign 748.304+/-0.107 χ^2/NDF: 5205968.8/42

All: 752.058+/-0.076 χ^2/NDF: 11377250.7/86

- sign 755.986+/-0.109 χ^2/NDF: 6168757.8/43

asym_sam_2468_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 13.2/17

Left Out: -0.000+/-0.000 χ^2/NDF:16.5/24

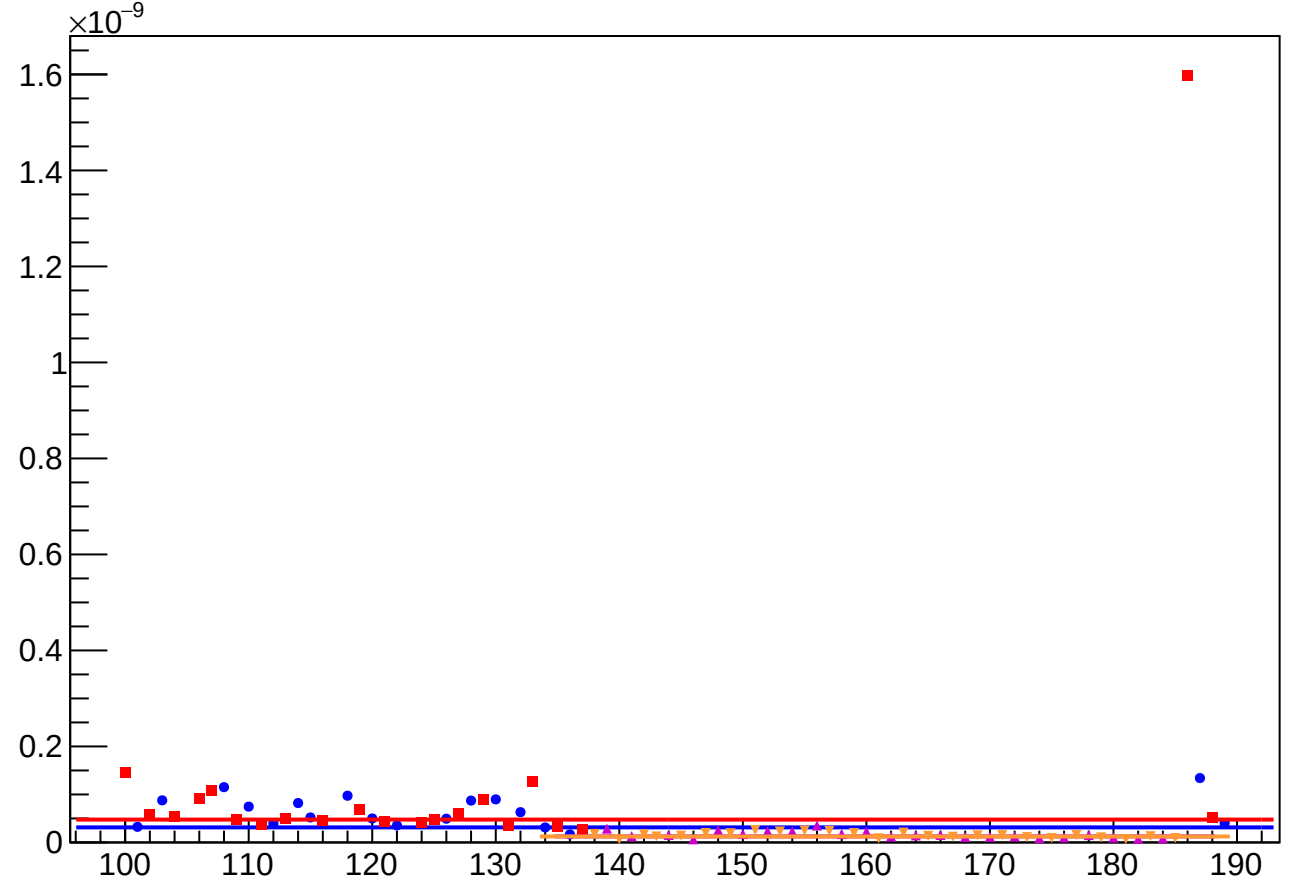
Right Out: -0.000+/-0.000 χ^2/NDF: 27.6/20

Left In: 0.000+/-0.000 χ^2/NDF:20.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 30.2/42

All: -0.000+/-0.000 χ^2/NDF: 79.2/86

- sign -0.000+/-0.000 χ^2/NDF: 48.9/43



Right In: 0.000+/-0.000 χ^2/NDF: 2054911.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:1742020.0/24

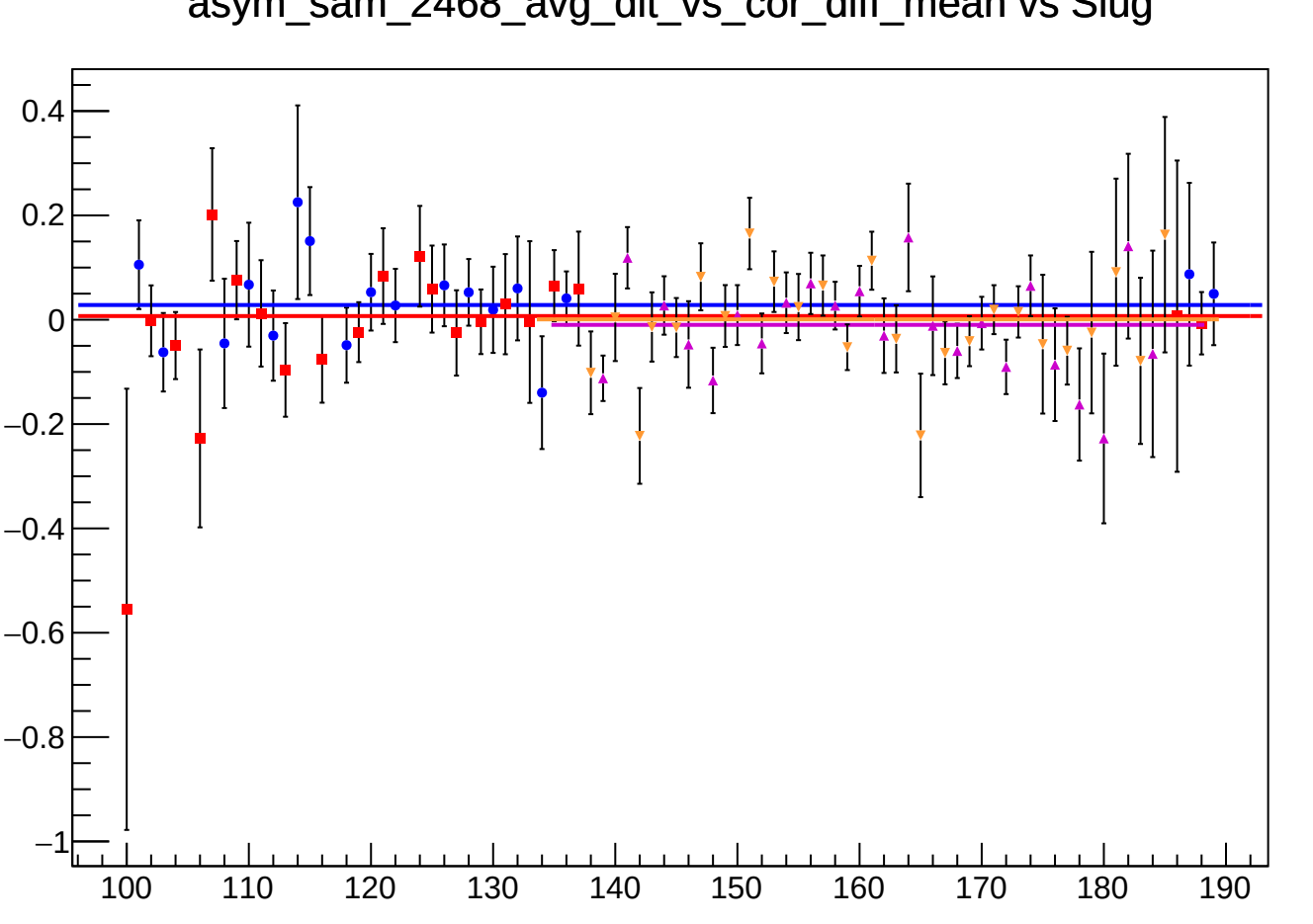
Right Out: 0.000+/-0.000 χ^2/NDF: 1155304.9/20

Left In: 0.000+/-0.000 χ^2/NDF:1961578.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 5295781.9/42

All: 0.000+/-0.000 χ^2/NDF: 11549743.5/86

- sign 0.000+/-0.000 χ^2/NDF: 6248626.0/43



Right In: 0.028+/-0.020 χ^2/NDF: 10.1/17

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: 0.007+/-0.018 χ^2/NDF: 14.0/20

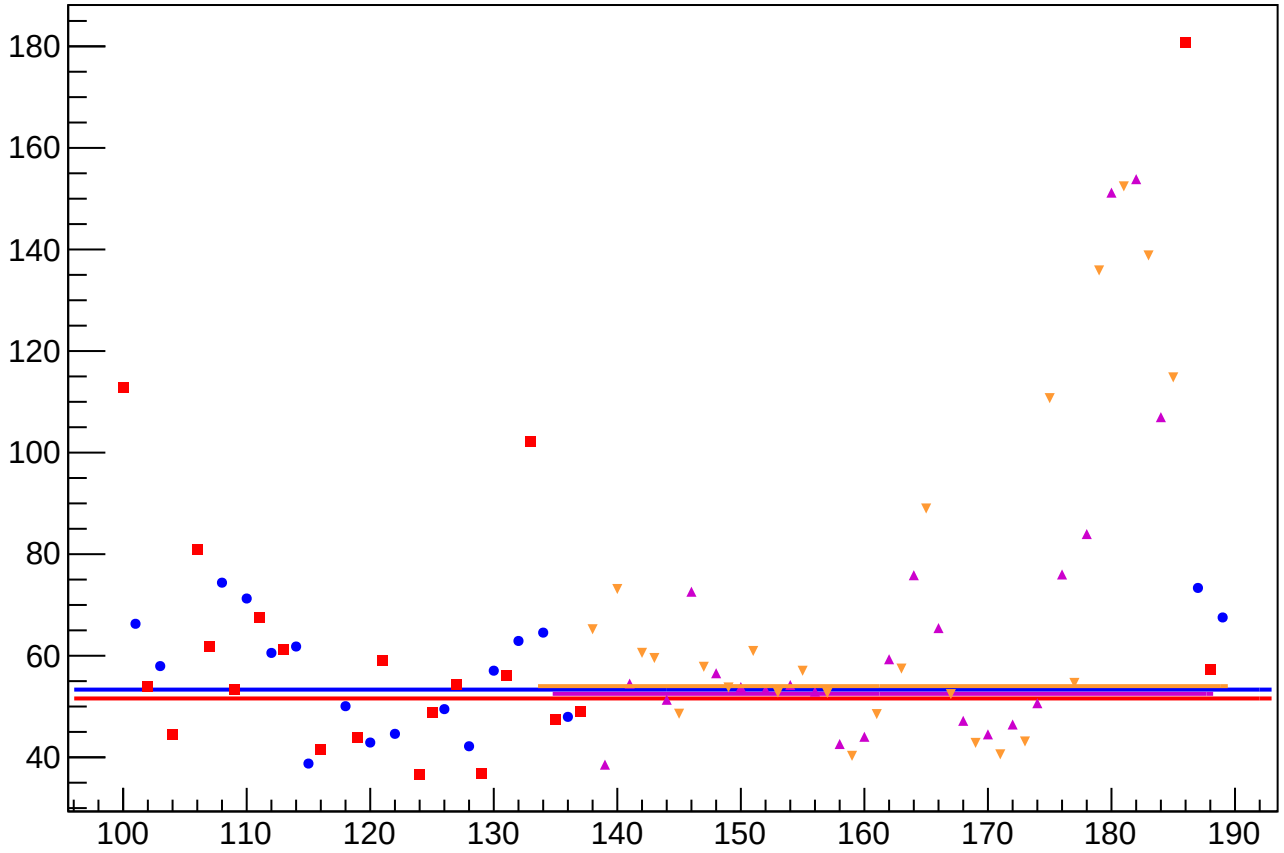
Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.009+/-0.011 χ^2/NDF: 43.1/42

All: 0.002+/-0.008 χ^2/NDF: 90.3/86

- sign -0.004+/-0.011 χ^2/NDF: 46.5/43

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug



Right In: 53.333+/-0.014 χ^2/NDF: 489563.2/17

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

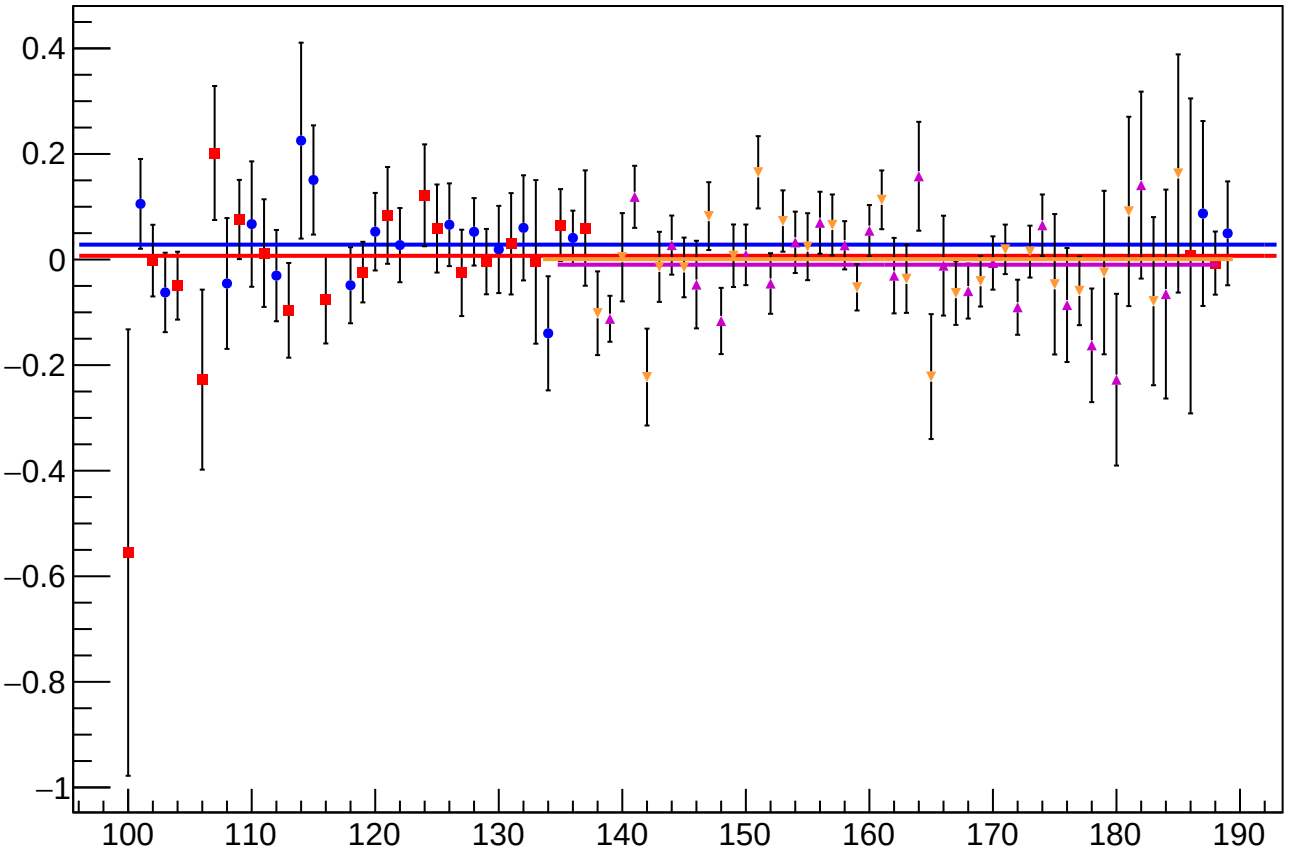
Right Out: 51.588+/-0.013 χ^2/NDF: 1077308.6/20

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

+ sign 53.804+/-0.008 χ^2/NDF: 3718744.5/42

All: 52.979+/-0.005 χ^2/NDF: 7378985.3/86

- sign 52.193+/-0.008 χ^2/NDF: 3638309.8/43



Right In: 0.028+/-0.020 χ^2/NDF: 10.1/17

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

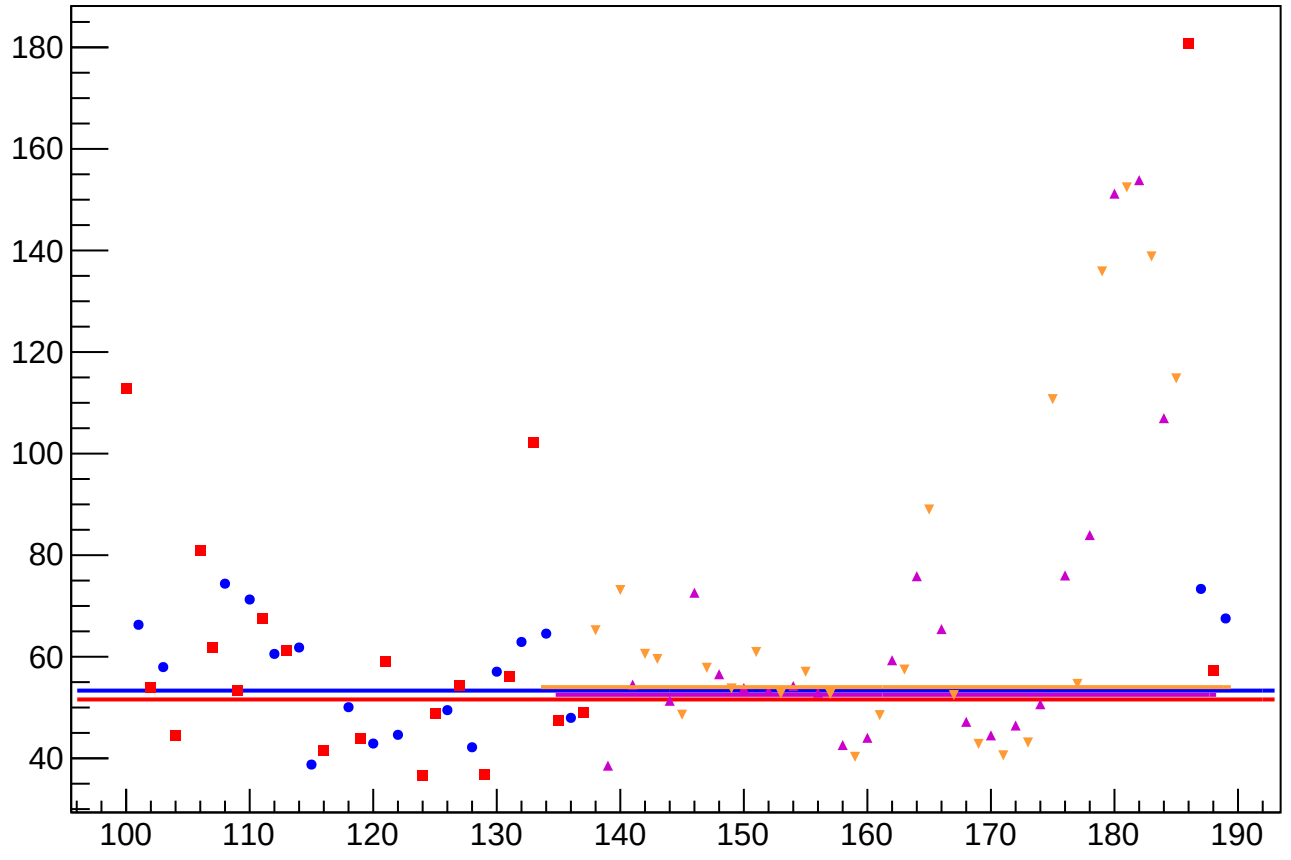
Right Out: 0.007+/-0.018 χ^2/NDF: 14.0/20

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.009+/-0.011 χ^2/NDF: 43.1/42

All: 0.002+/-0.008 χ^2/NDF: 90.3/86

- sign -0.004+/-0.011 χ^2/NDF: 46.5/43



Right In: 53.333+/-0.014 χ^2/NDF: 489563.2/17

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

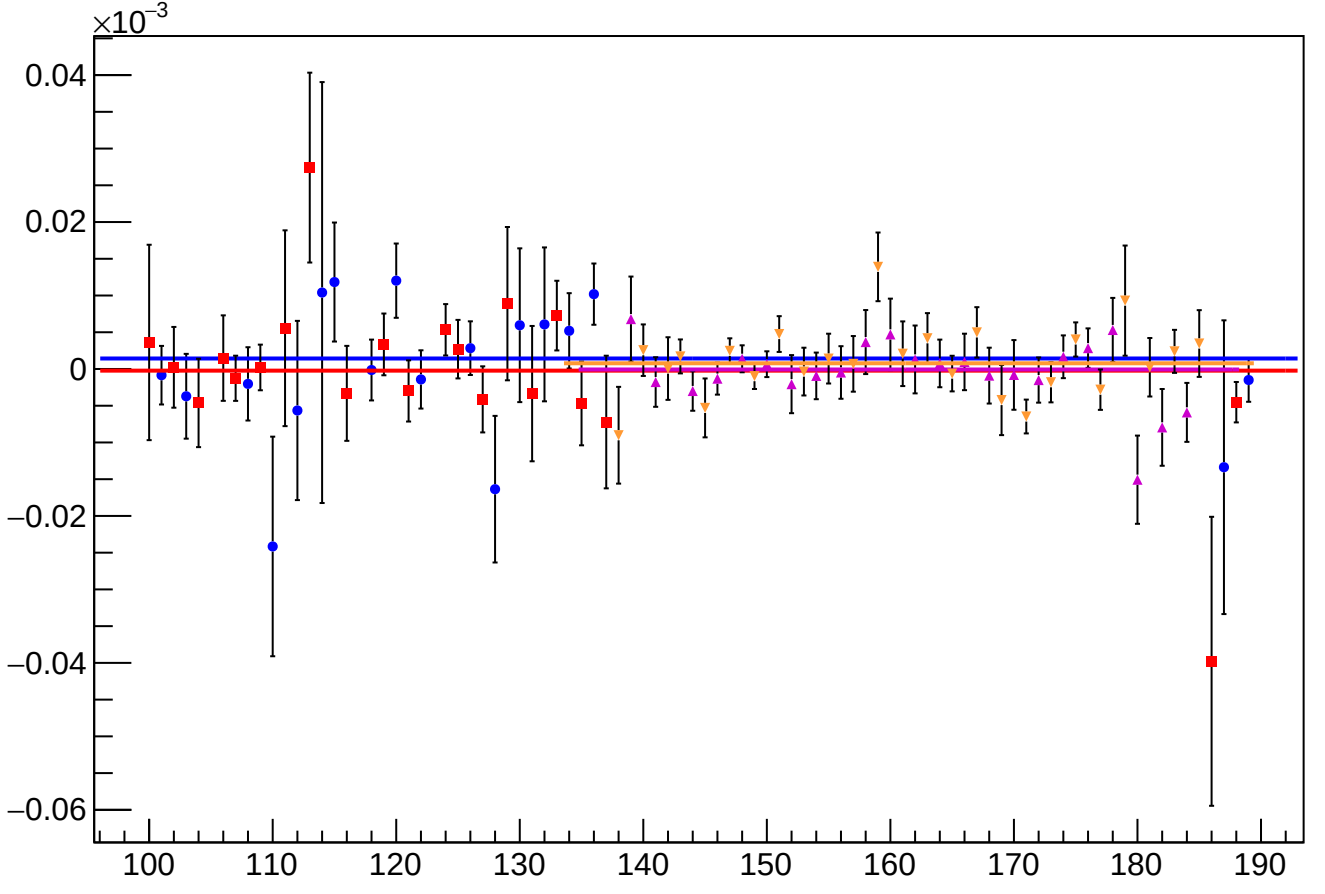
Right Out: 51.588+/-0.013 χ^2/NDF: 1077308.6/20

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

+ sign 53.804+/-0.008 χ^2/NDF: 3718744.5/42

All: 52.979+/-0.005 χ^2/NDF: 7378985.3/86

- sign 52.193+/-0.008 χ^2/NDF: 3638309.8/43



Right In: 0.000+/-0.000 χ^2/NDF: 21.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/24

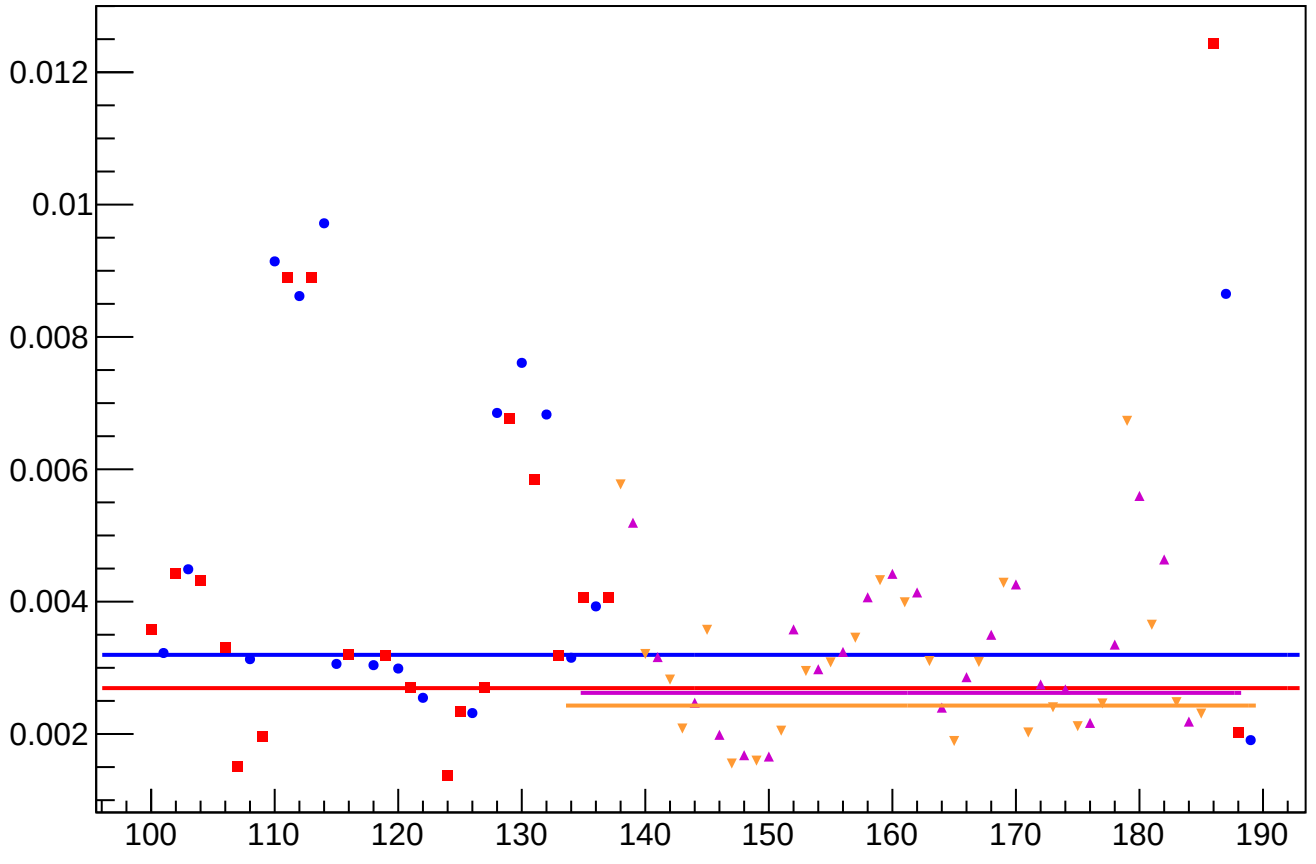
Right Out: -0.000+/-0.000 χ^2/NDF: 21.9/20

Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 60.2/42

All: 0.000+/-0.000 χ^2/NDF: 104.0/86

- sign -0.000+/-0.000 χ^2/NDF: 42.1/43



Right In: 0.003+/-0.000 χ^2/NDF: 2546544.6/17

Left Out: 0.002+/-0.000 χ^2/NDF:4218362.5/24

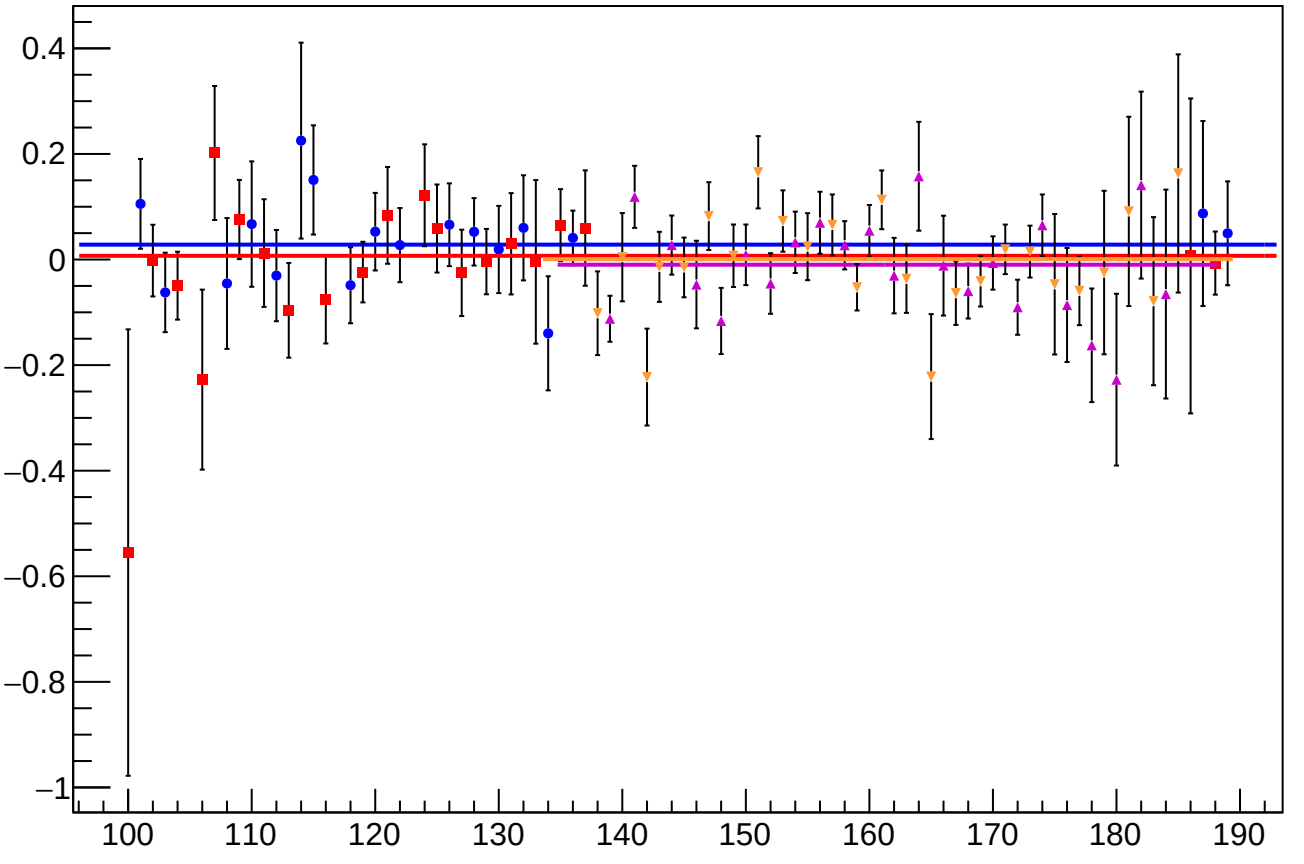
Right Out: 0.003+/-0.000 χ^2/NDF: 3352356.4/20

Left In: 0.003+/-0.000 χ^2/NDF:3955310.5/22

+ sign 0.003+/-0.000 χ^2/NDF: 7377024.9/42

All: 0.003+/-0.000 χ^2/NDF: 14708830.0/86

- sign 0.003+/-0.000 χ^2/NDF: 7314343.9/43



Right In: 0.028+/-0.020 χ^2/NDF: 10.1/17

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

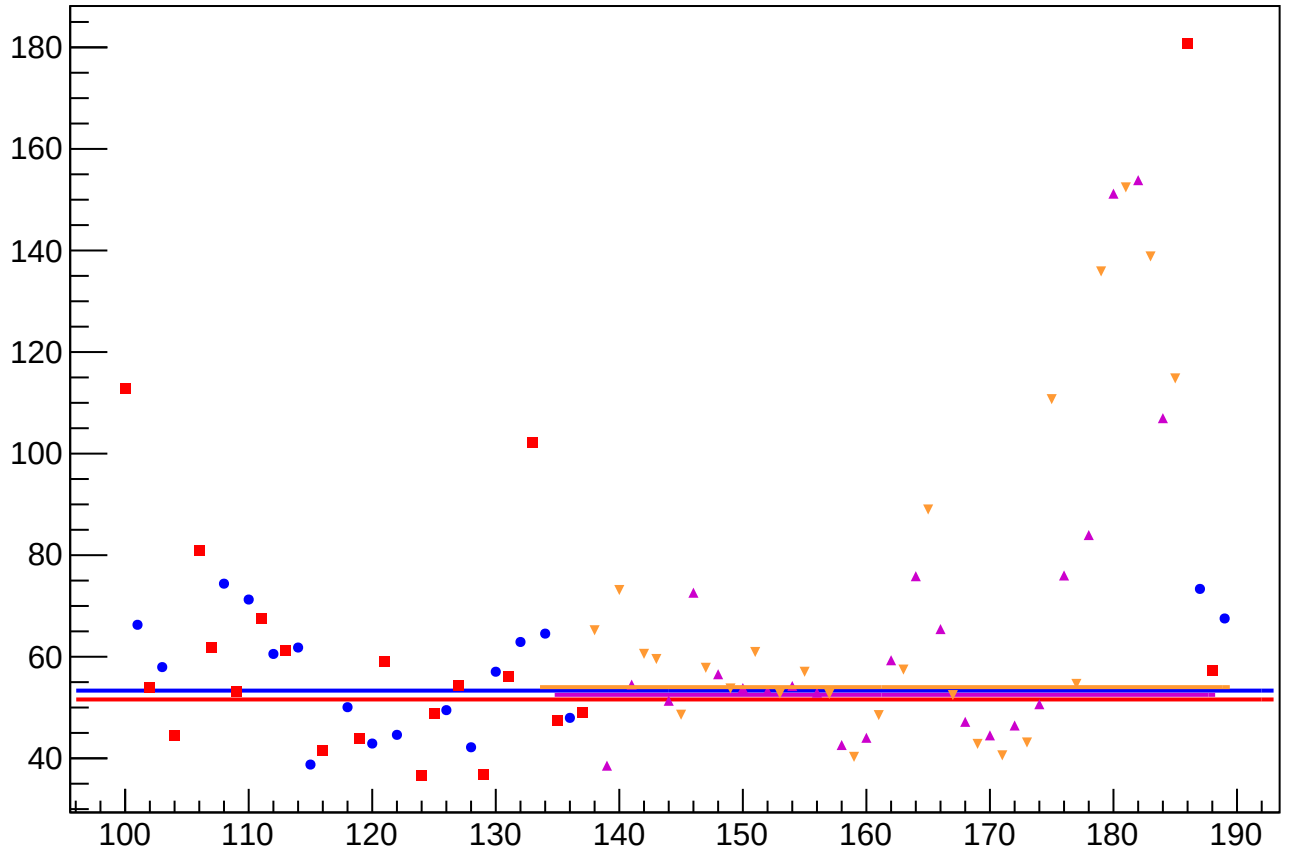
Right Out: 0.007+/-0.018 χ^2/NDF: 14.0/20

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.009+/-0.011 χ^2/NDF: 43.1/42

All: 0.002+/-0.008 χ^2/NDF: 90.3/86

- sign -0.004+/-0.011 χ^2/NDF: 46.5/43



Right In: 53.332+/-0.014 χ^2/NDF: 489532.0/17

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

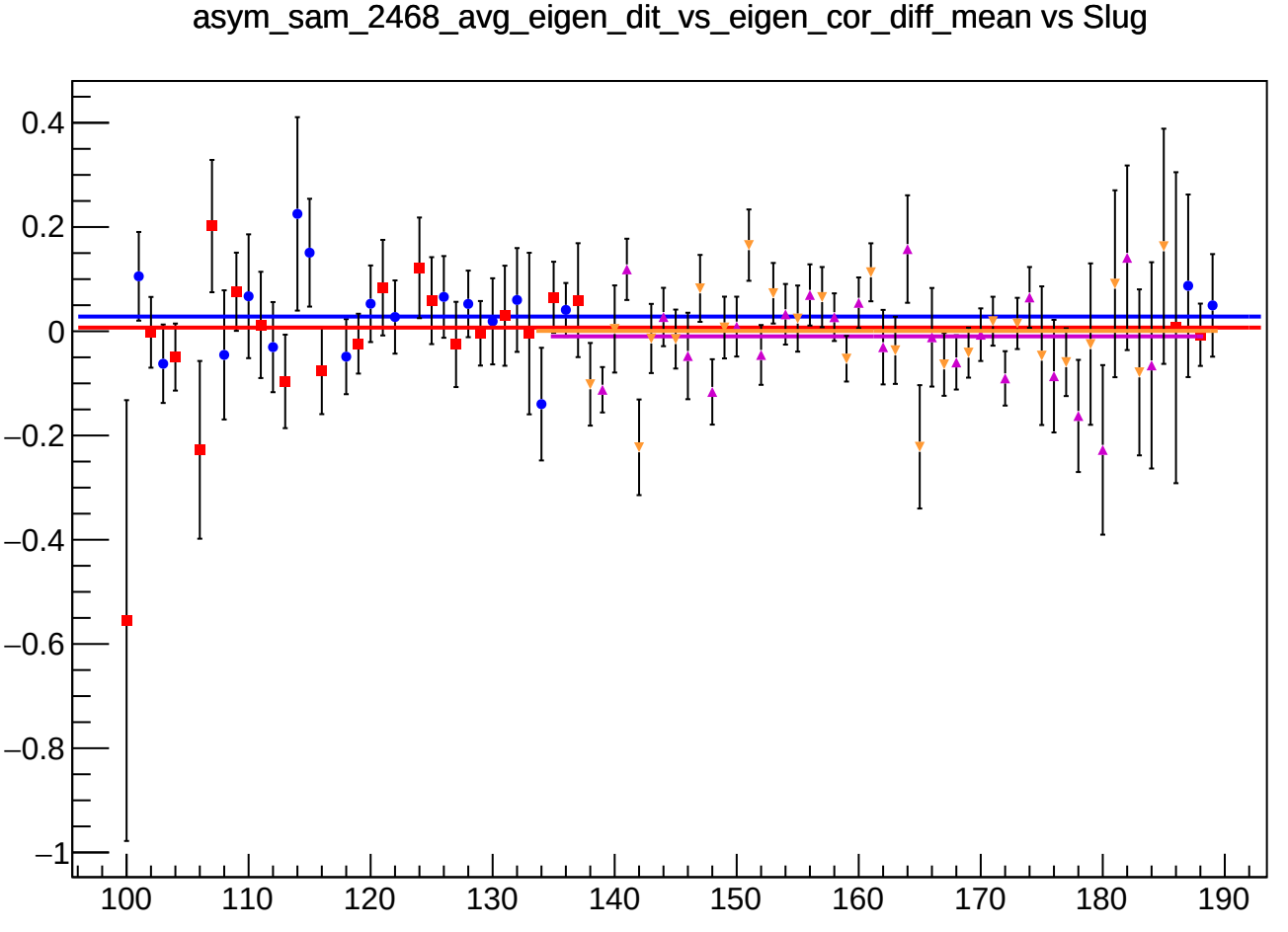
Right Out: 51.587+/-0.013 χ^2/NDF: 1077336.3/20

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 53.804+/-0.008 χ^2/NDF: 3718739.1/42

All: 52.979+/-0.005 χ^2/NDF: 7379060.1/86

- sign 52.192+/-0.008 χ^2/NDF: 3638388.8/43



Right In: 0.028+/-0.020 χ^2/NDF: 10.1/17

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

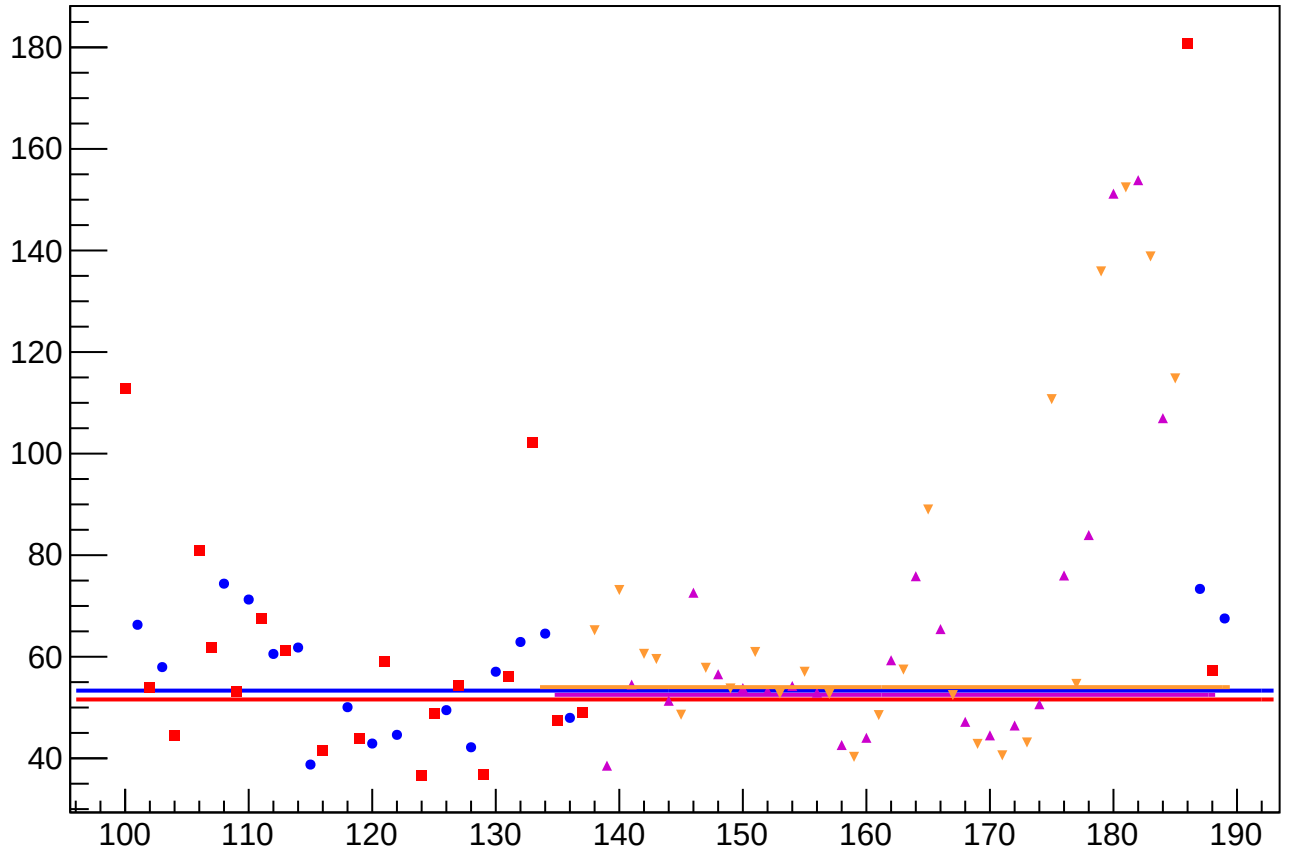
Right Out: 0.007+/-0.018 χ^2/NDF: 14.0/20

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.009+/-0.011 χ^2/NDF: 43.1/42

All: 0.002+/-0.008 χ^2/NDF: 90.3/86

- sign -0.004+/-0.011 χ^2/NDF: 46.5/43



Right In: 53.332+/-0.014 χ^2/NDF: 489532.0/17

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

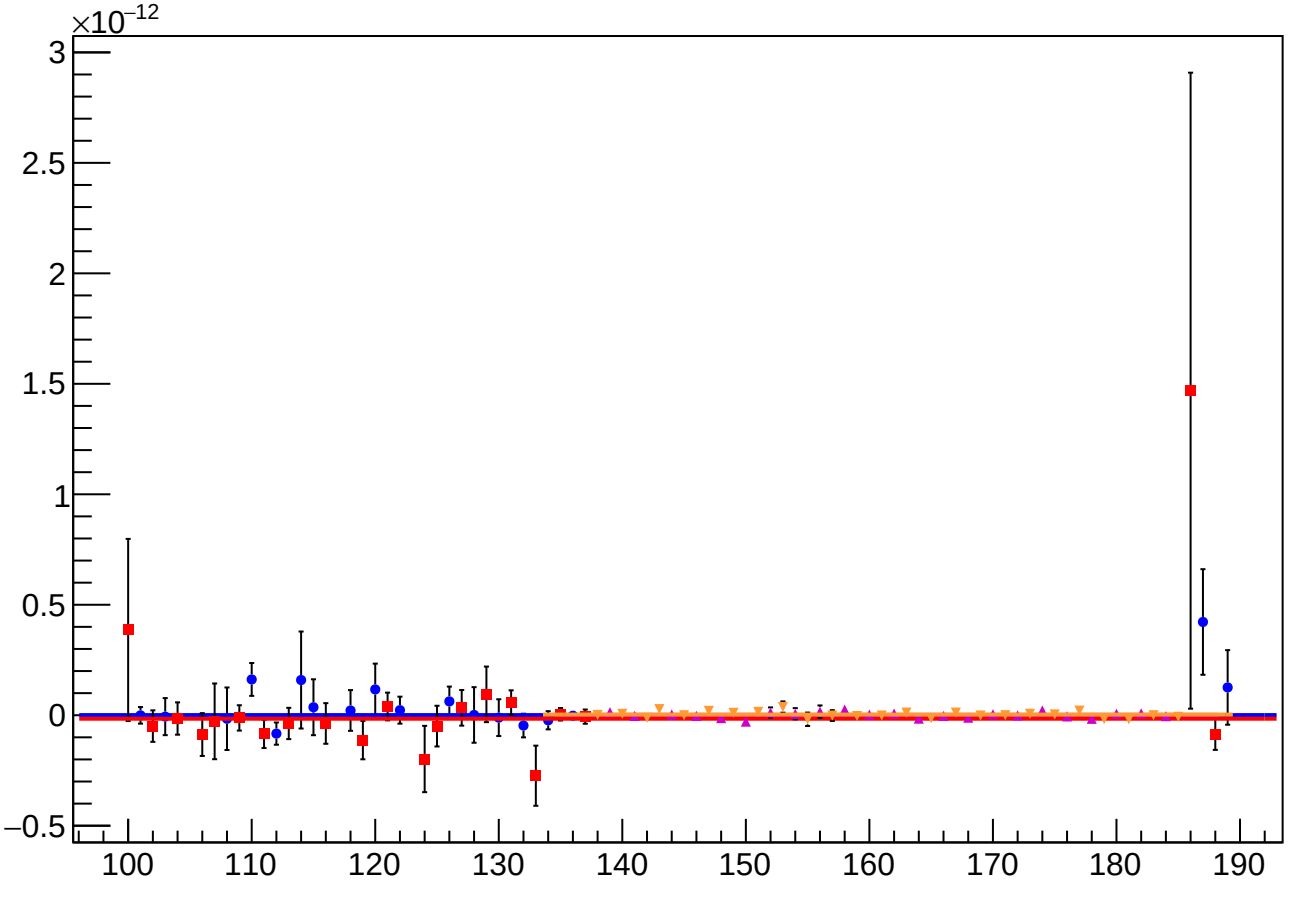
Right Out: 51.587+/-0.013 χ^2/NDF: 1077336.3/20

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 53.804+/-0.008 χ^2/NDF: 3718739.1/42

All: 52.979+/-0.005 χ^2/NDF: 7379060.1/86

- sign 52.192+/-0.008 χ^2/NDF: 3638388.8/43



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/24

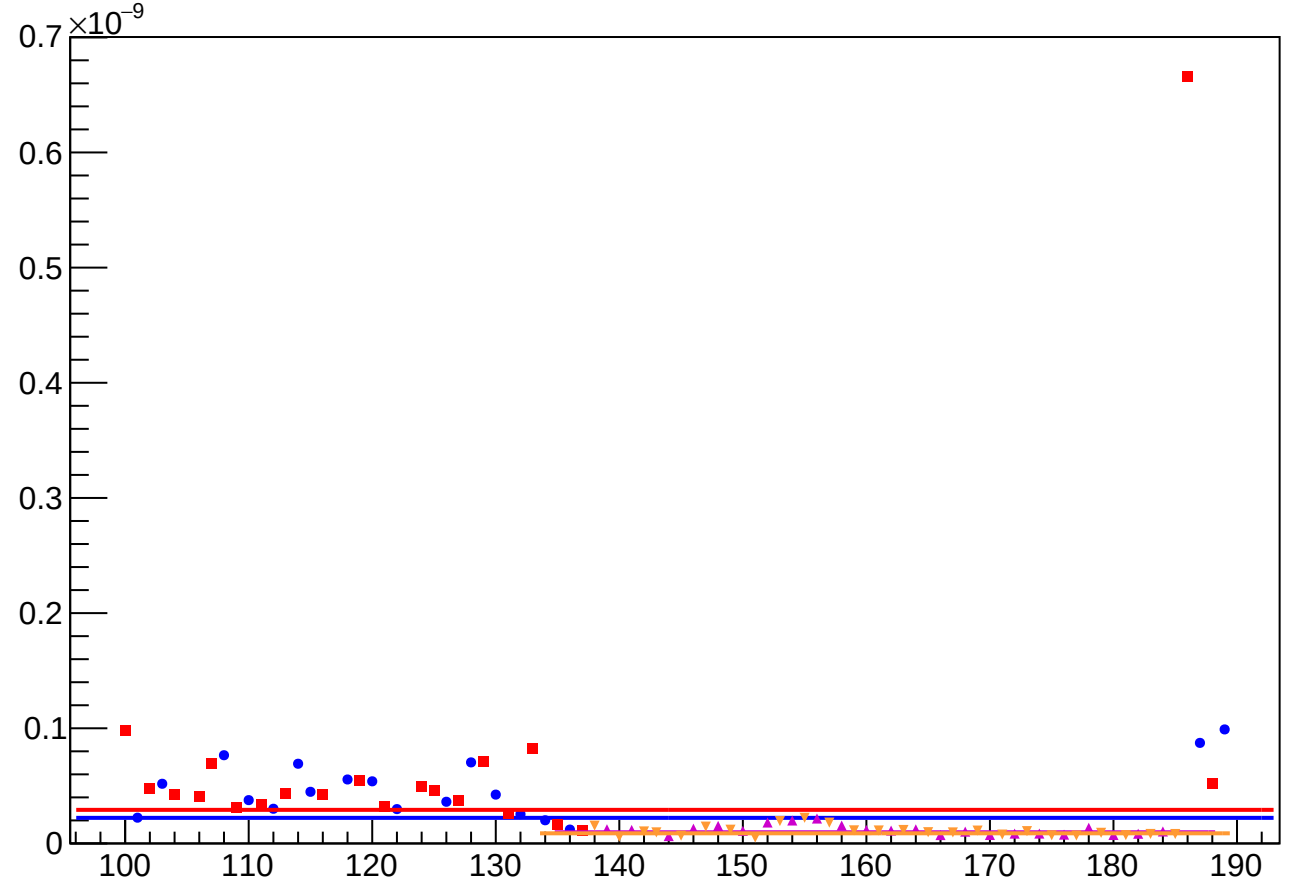
Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/20

Left In: 0.000+/-0.000 χ^2/NDF:15.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 36.8/42

All: 0.000+/-0.000 χ^2/NDF: 69.5/86

- sign 0.000+/-0.000 χ^2/NDF: 32.4/43



Right In: 0.000+/-0.000 χ^2/NDF: 3089491.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:2517075.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2994009.7/20

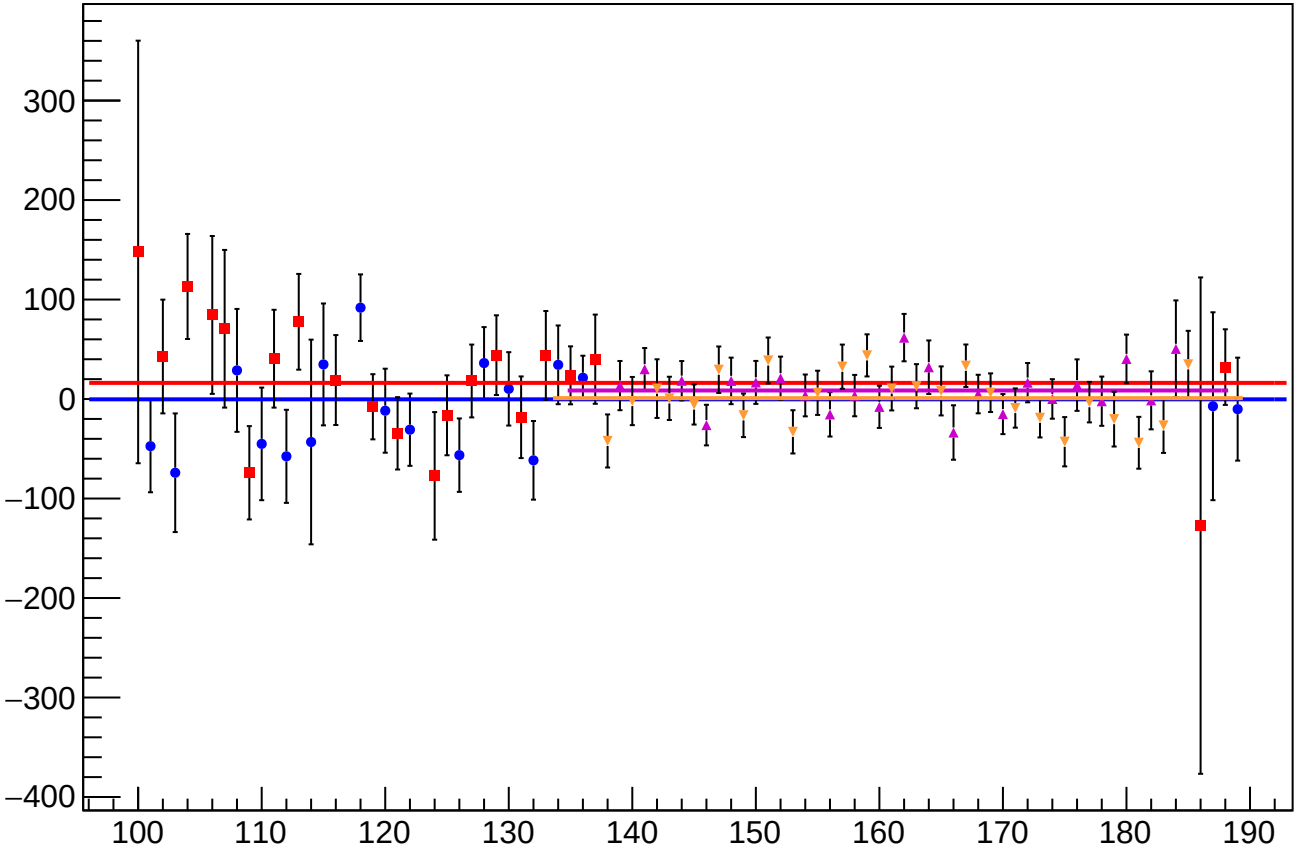
Left In: 0.000+/-0.000 χ^2/NDF:2320113.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 8017416.7/42

All: 0.000+/-0.000 χ^2/NDF: 17081648.7/86

- sign 0.000+/-0.000 χ^2/NDF: 8910429.0/43

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -0.295+/-9.810 χ^2/NDF: 21.4/17

Left Out: 0.917+/-4.574 χ^2/NDF:29.2/24

Right Out: 16.248+/-9.904 χ^2/NDF: 18.5/20

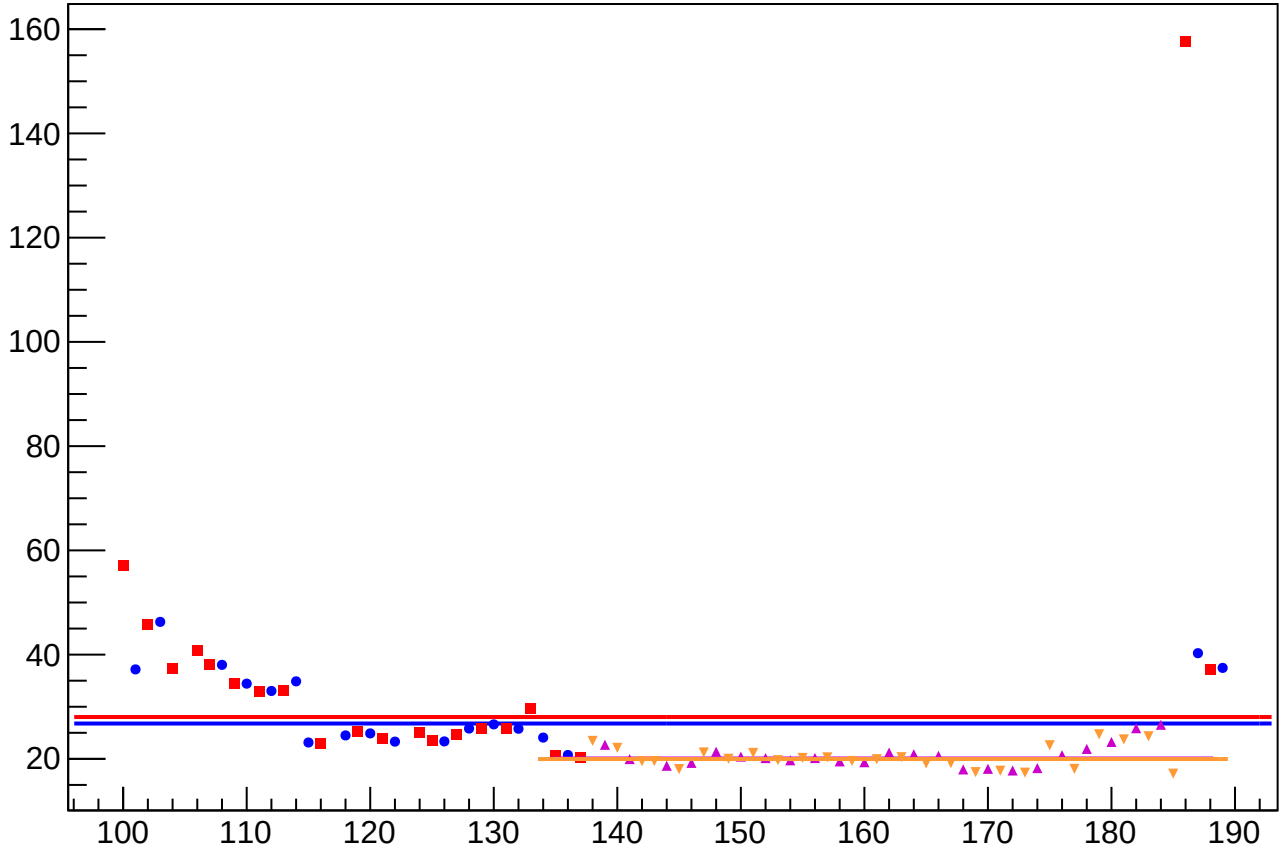
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign 0.700+/-4.146 χ^2/NDF: 50.6/42

All: 5.228+/-2.972 χ^2/NDF: 91.4/86

- sign 10.018+/-4.263 χ^2/NDF: 38.3/43

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.782+/-0.007 χ^2/NDF: 808038.9/17

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

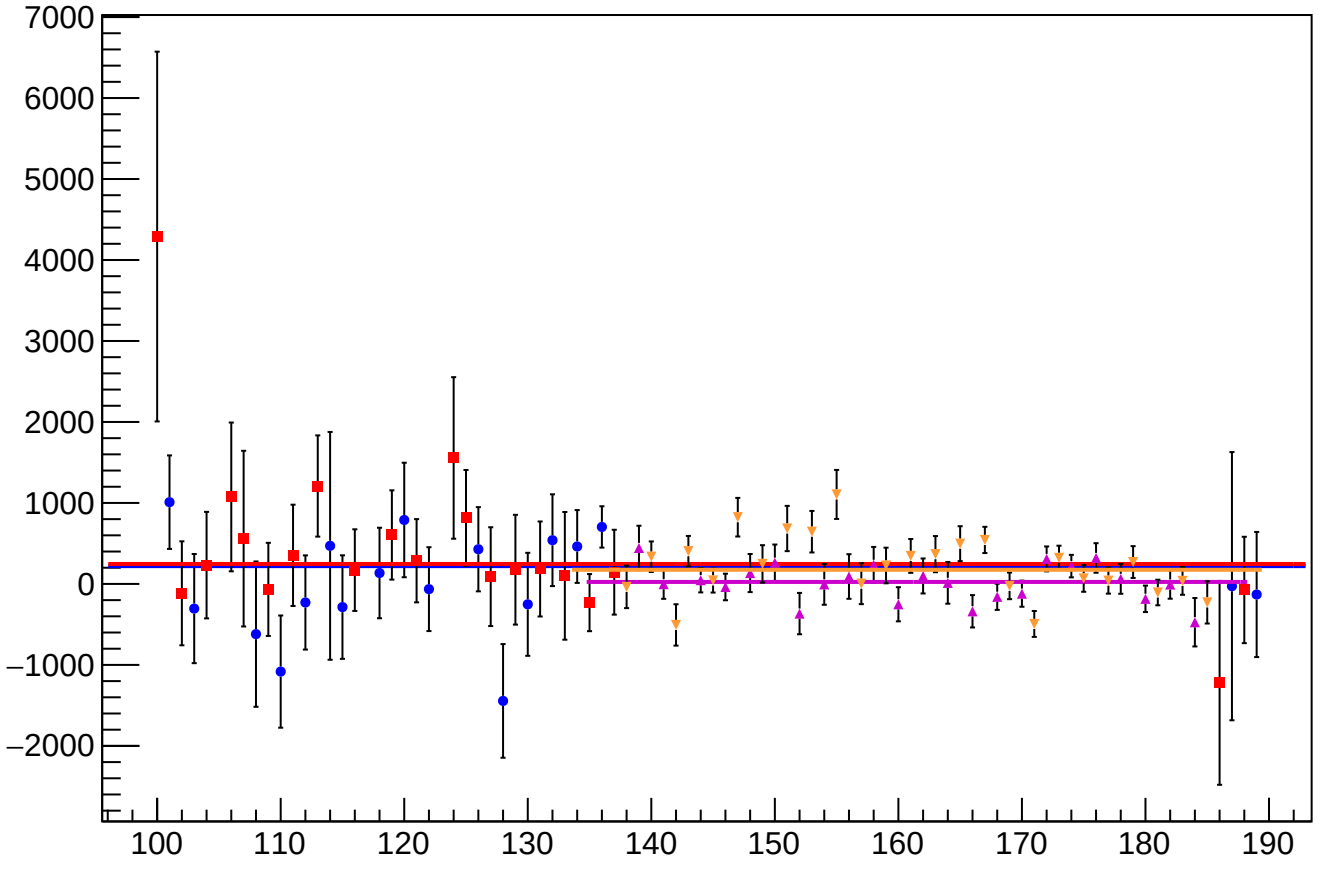
Right Out: 28.027+/-0.007 χ^2/NDF: 1423995.0/20

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 21.185+/-0.003 χ^2/NDF: 1987286.3/42

All: 21.361+/-0.002 χ^2/NDF: 4771624.1/86

- sign 21.547+/-0.003 χ^2/NDF: 2776949.4/43



Right In: 219.771+/-132.436 χ^2/NDF: 19.9/17

Left Out: 174.693+/-39.049 χ^2/NDF:71.2/24

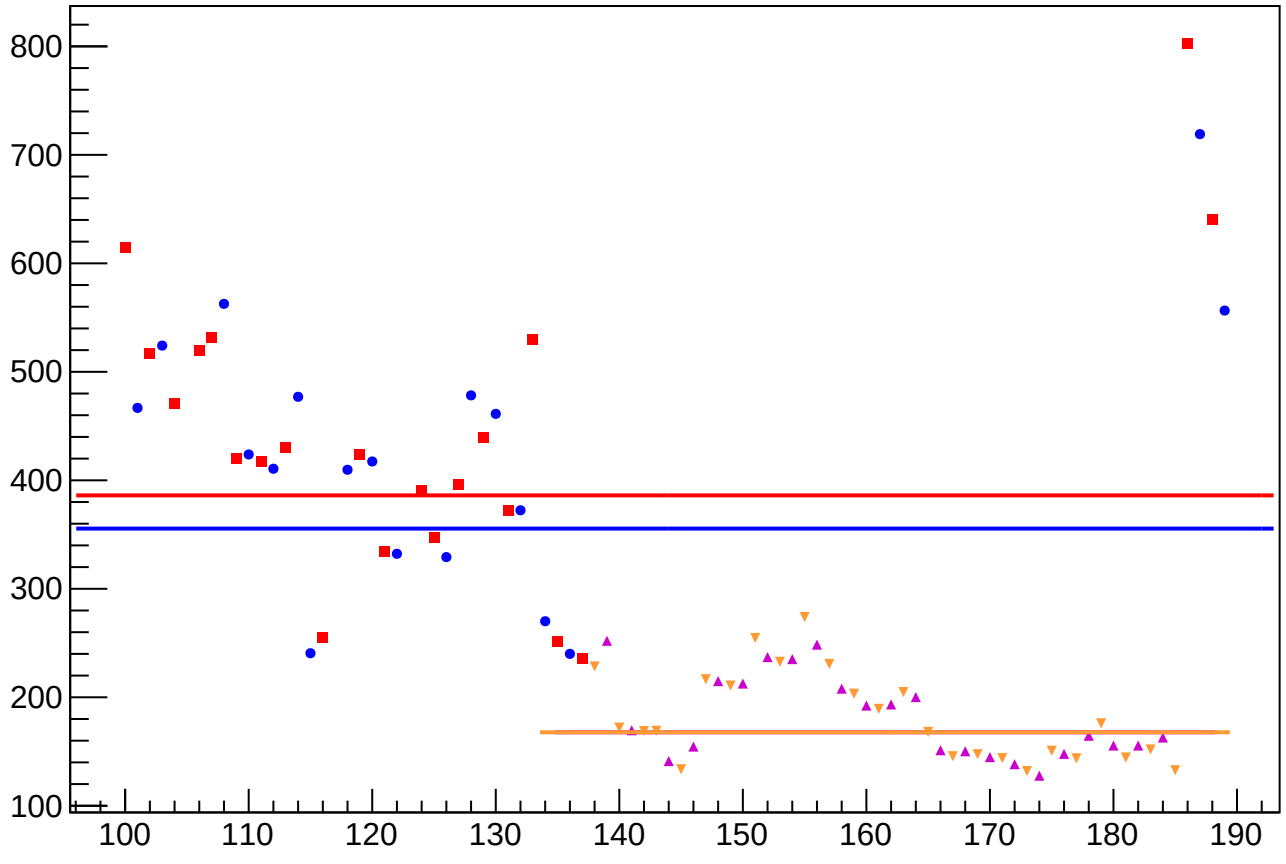
Right Out: 246.316+/-136.089 χ^2/NDF: 13.7/20

Left In: 24.589+/-40.070 χ^2/NDF:26.9/22

+ sign 178.298+/-37.455 χ^2/NDF: 91.2/42

All: 112.051+/-26.826 χ^2/NDF: 140.7/86

- sign 42.279+/-38.439 χ^2/NDF: 43.1/43



Right In: 355.505+/-0.094 χ^2/NDF: 1297760.0/17

Left Out: 167.754+/-0.028 χ^2/NDF:1578232.9/24

Right Out: 386.106+/-0.096 χ^2/NDF: 1465930.1/20

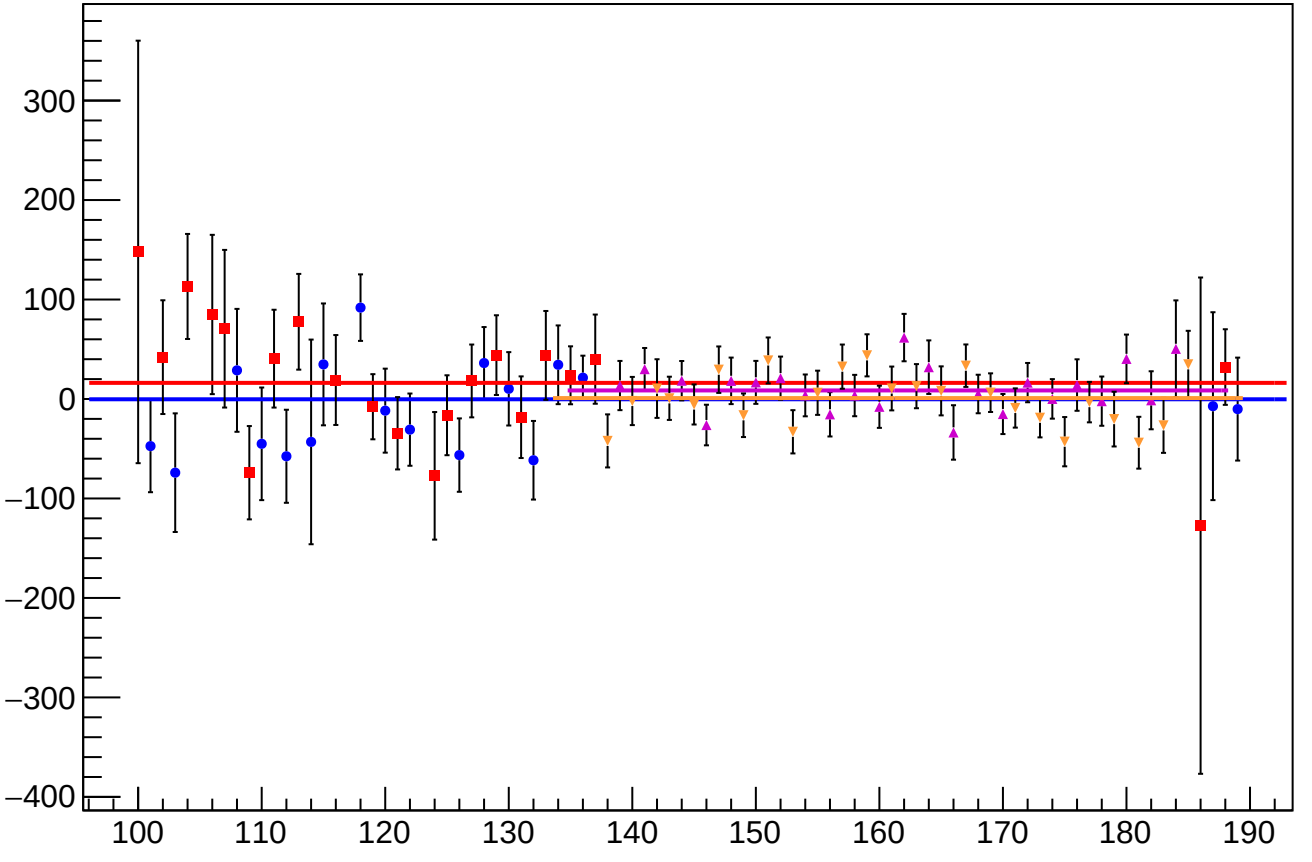
Left In: 167.748+/-0.028 χ^2/NDF:1403124.0/22

+ sign 182.771+/-0.026 χ^2/NDF: 6574044.5/42

All: 183.939+/-0.019 χ^2/NDF: 14185293.2/86

- sign 185.169+/-0.027 χ^2/NDF: 7607258.3/43

cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: -0.293+/-9.810 χ^2/NDF: 21.4/17

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: 16.210+/-9.905 χ^2/NDF: 18.4/20

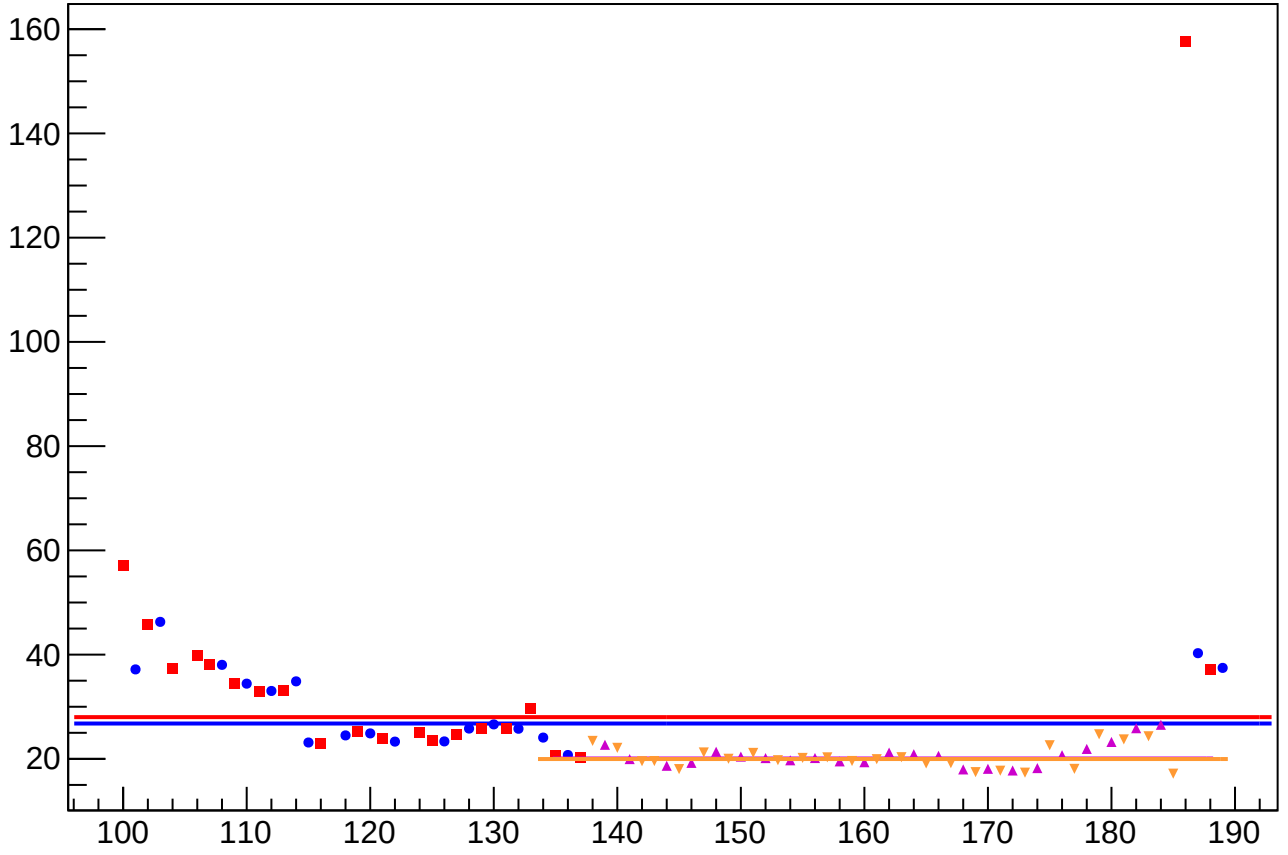
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign 0.699+/-4.146 χ^2/NDF: 50.6/42

All: 5.224+/-2.972 χ^2/NDF: 91.3/86

- sign 10.010+/-4.264 χ^2/NDF: 38.3/43

cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.782+/-0.007 χ^2/NDF: 808042.2/17

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

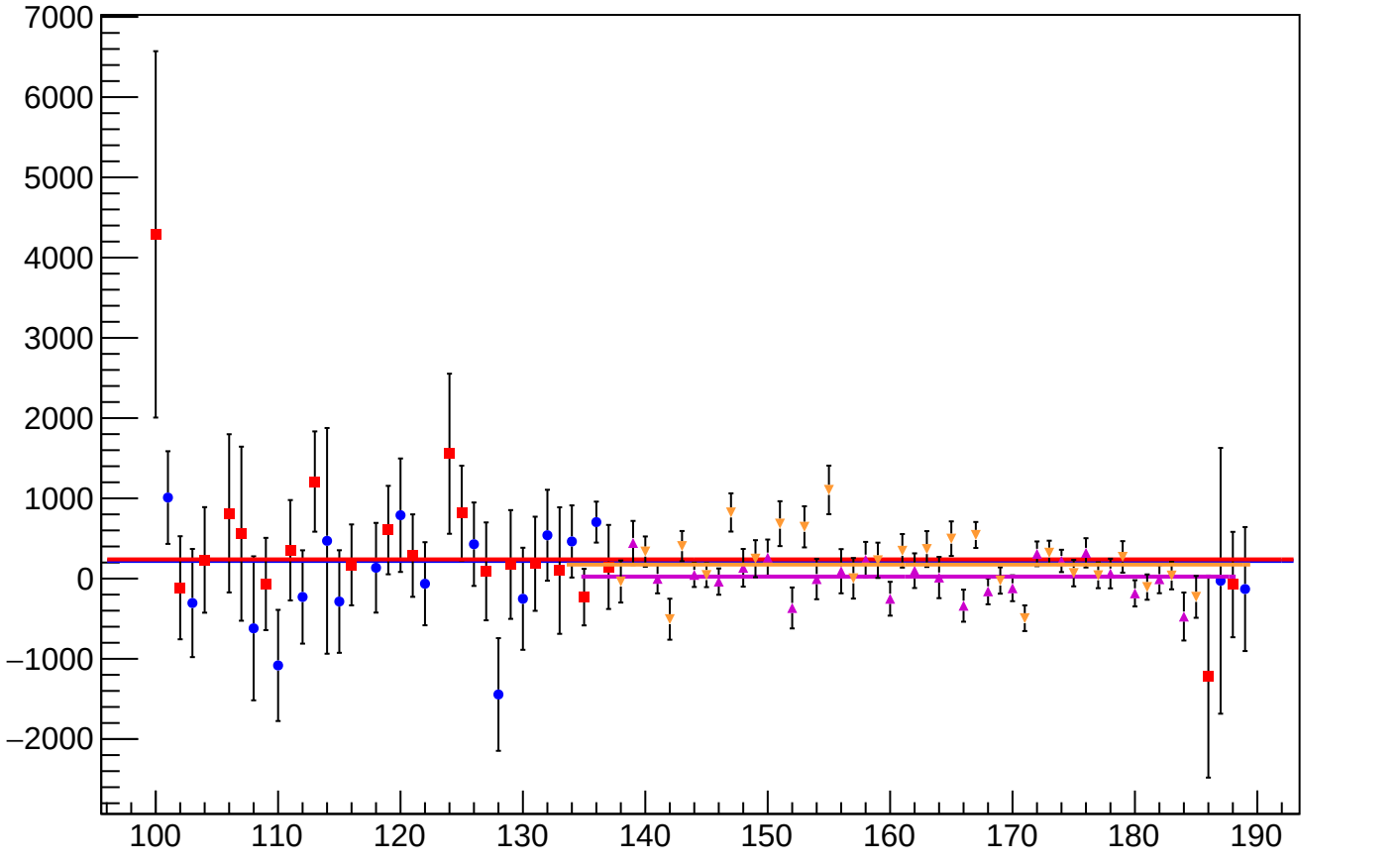
Right Out: 28.007+/-0.007 χ^2/NDF: 1414979.8/20

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 21.185+/-0.003 χ^2/NDF: 1987289.6/42

All: 21.359+/-0.002 χ^2/NDF: 4756871.8/86

- sign 21.543+/-0.003 χ^2/NDF: 2762360.7/43



Right In: 219.764+/-132.436 χ^2/NDF: 19.9/17

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

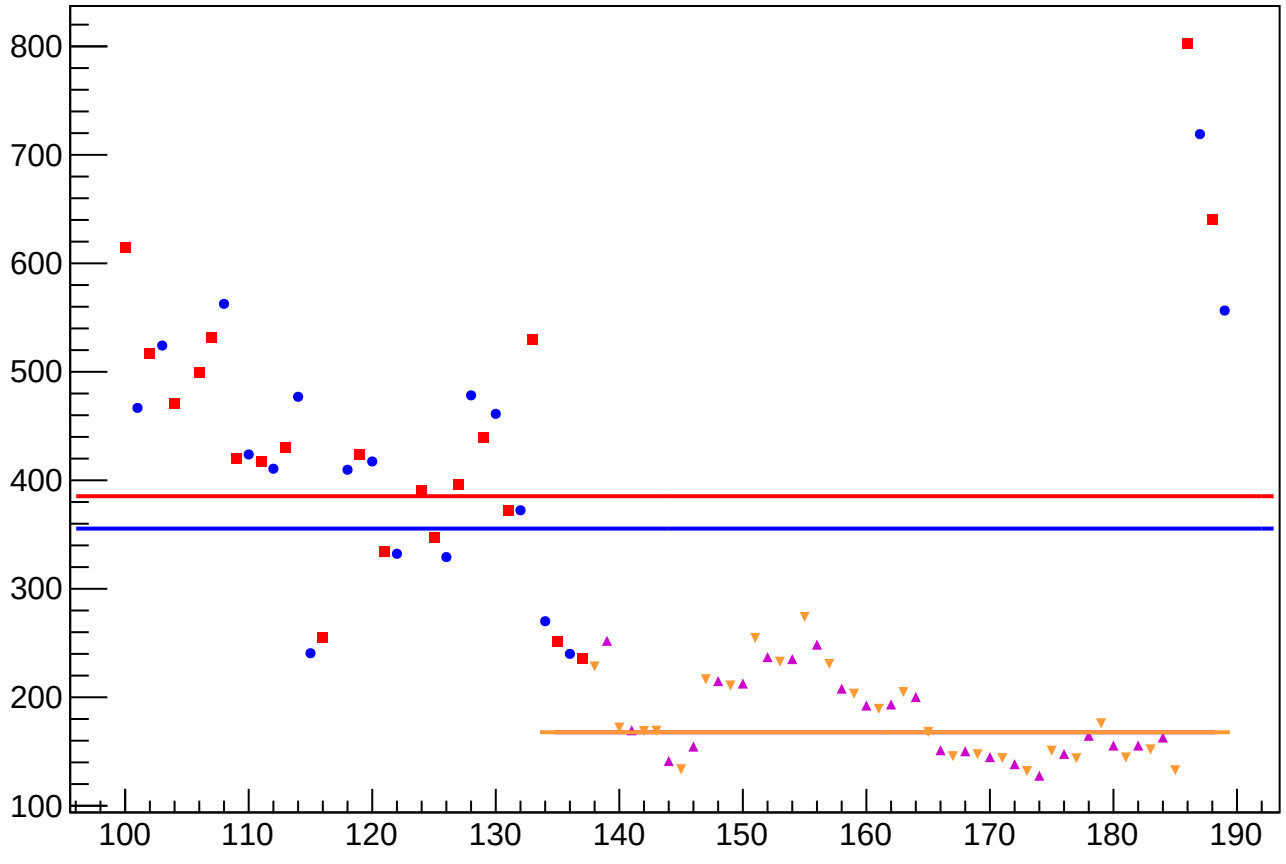
Right Out: 239.007+/-136.289 χ^2/NDF: 13.3/20

Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

+ sign 178.296+/-37.455 χ^2/NDF: 91.2/42

All: 111.752+/-26.827 χ^2/NDF: 140.1/86

- sign 41.650+/-38.443 χ^2/NDF: 42.4/43



Right In: 355.505+/-0.094 χ^2/NDF: 1297787.7/17

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

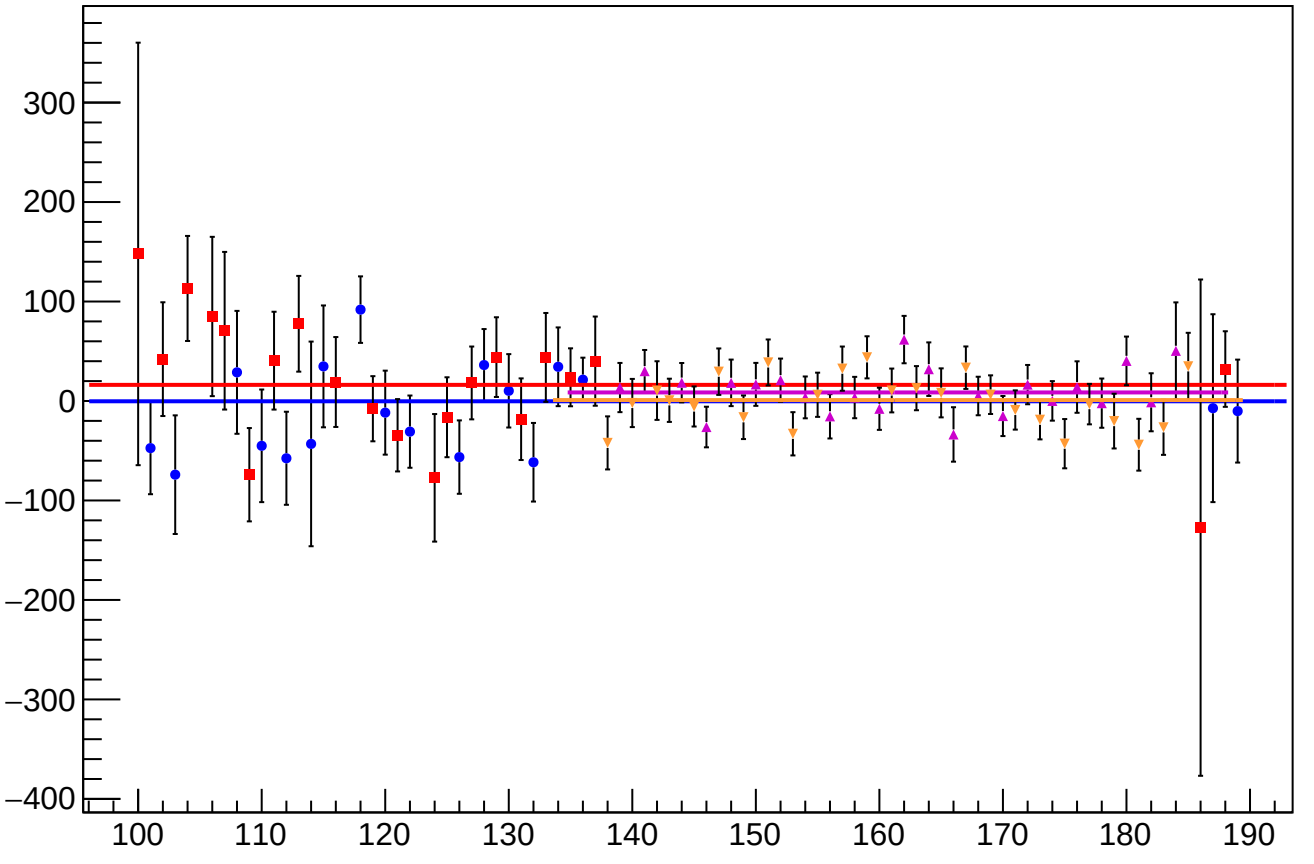
Right Out: 385.335+/-0.096 χ^2/NDF: 1450168.5/20

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 182.771+/-0.026 χ^2/NDF: 6574066.9/42

All: 183.886+/-0.019 χ^2/NDF: 14123119.9/86

- sign 185.060+/-0.027 χ^2/NDF: 7545414.9/43



Right In: -0.293+/-9.810 χ^2/NDF: 21.4/17

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: 16.210+/-9.905 χ^2/NDF: 18.4/20

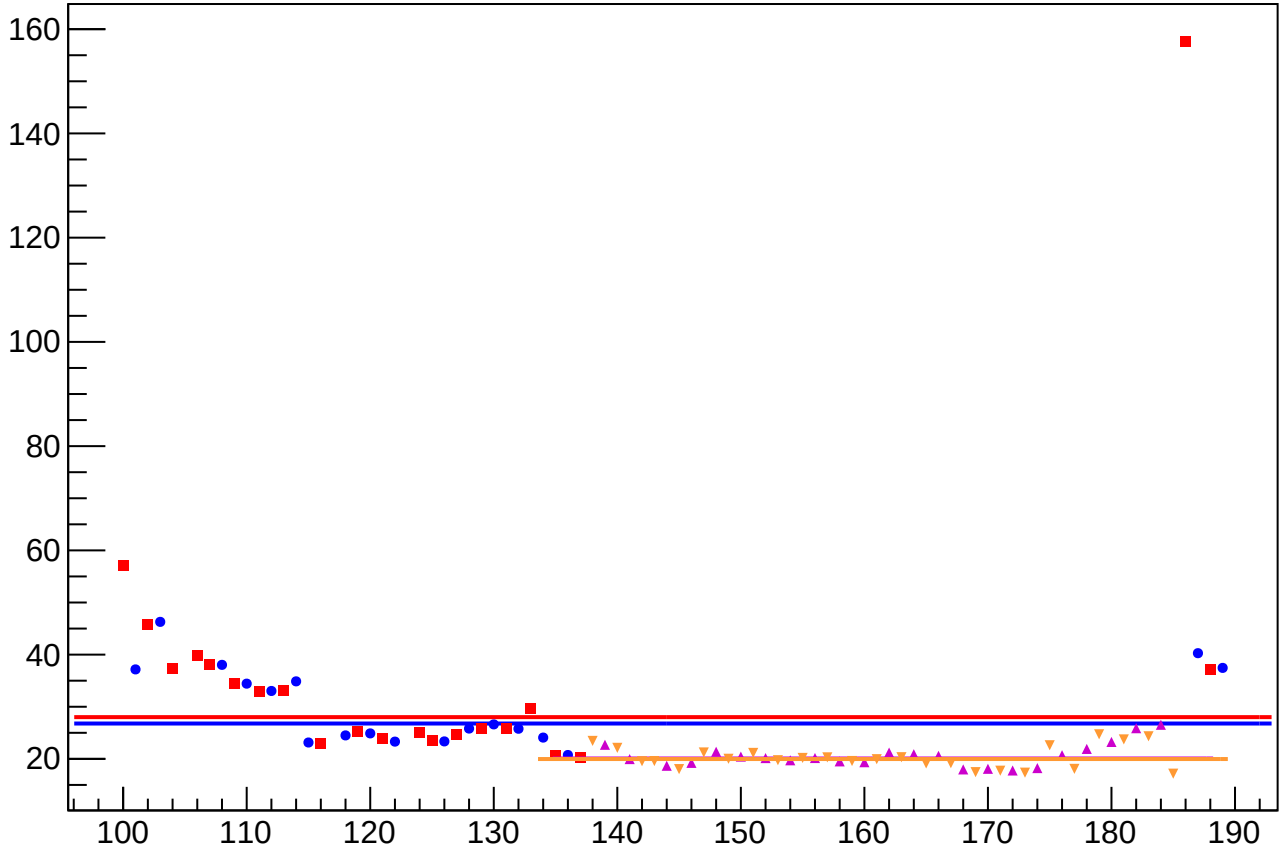
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign 0.699+/-4.146 χ^2/NDF: 50.6/42

All: 5.224+/-2.972 χ^2/NDF: 91.3/86

- sign 10.010+/-4.264 χ^2/NDF: 38.3/43

eigen_cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.782+/-0.007 χ^2/NDF: 808042.2/17

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

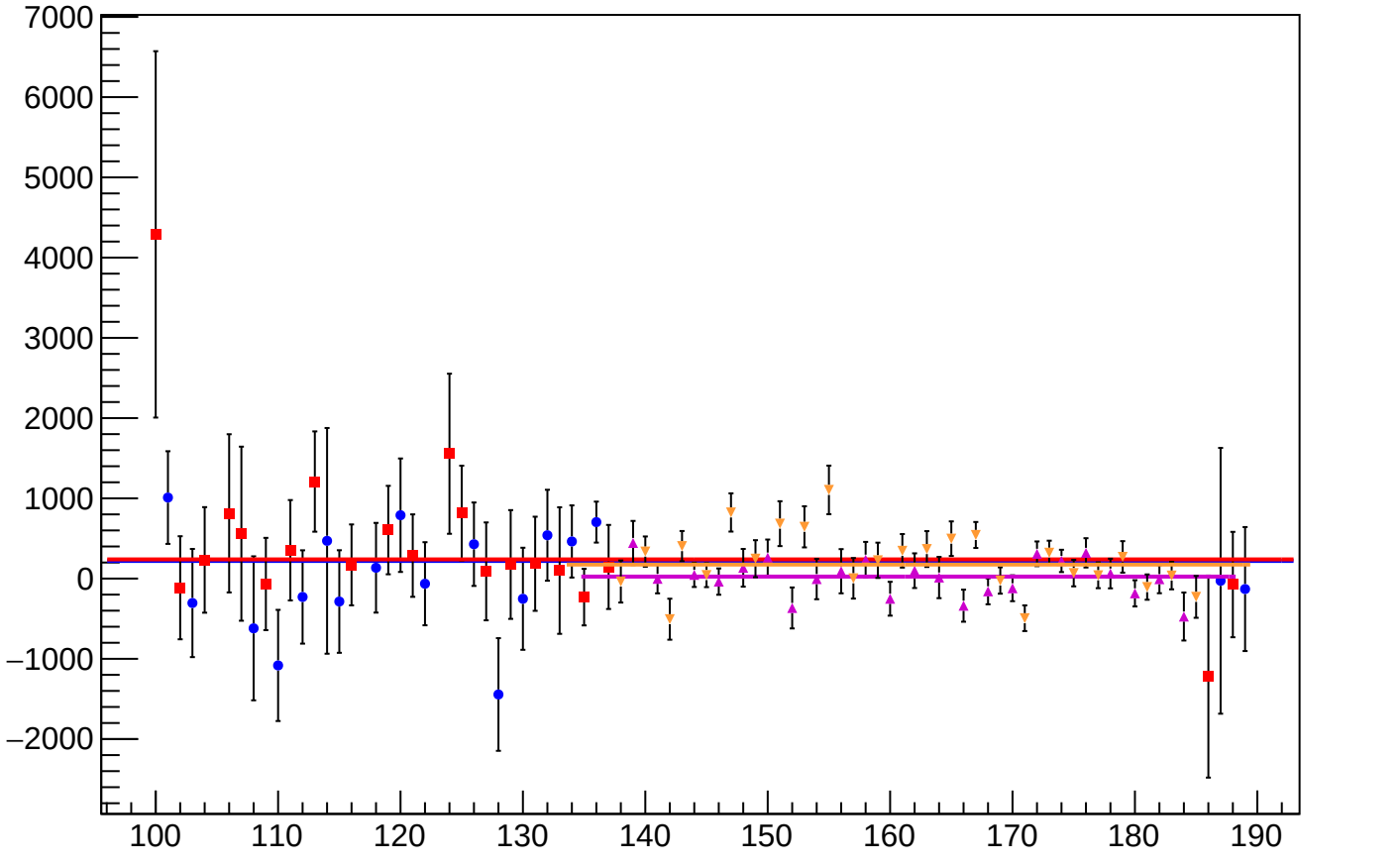
Right Out: 28.007+/-0.007 χ^2/NDF: 1414979.8/20

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 21.185+/-0.003 χ^2/NDF: 1987289.6/42

All: 21.359+/-0.002 χ^2/NDF: 4756871.8/86

- sign 21.543+/-0.003 χ^2/NDF: 2762360.7/43



Right In: 219.764+/-132.436 χ^2/NDF: 19.9/17

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

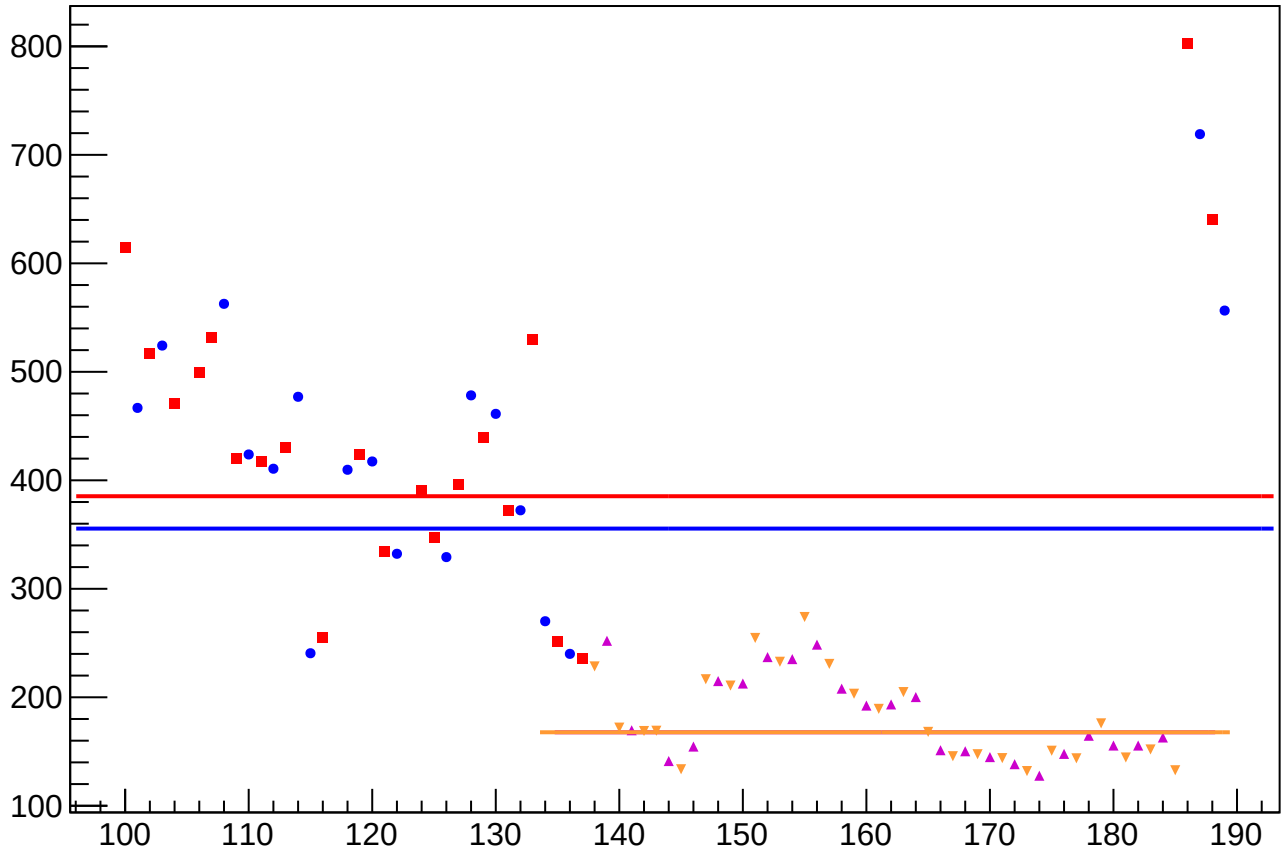
Right Out: 239.007+/-136.289 χ^2/NDF: 13.3/20

Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

+ sign 178.296+/-37.455 χ^2/NDF: 91.2/42

All: 111.752+/-26.827 χ^2/NDF: 140.1/86

- sign 41.650+/-38.443 χ^2/NDF: 42.4/43



Right In: 355.505+/-0.094 χ^2/NDF: 1297787.7/17

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 385.335+/-0.096 χ^2/NDF: 1450168.5/20

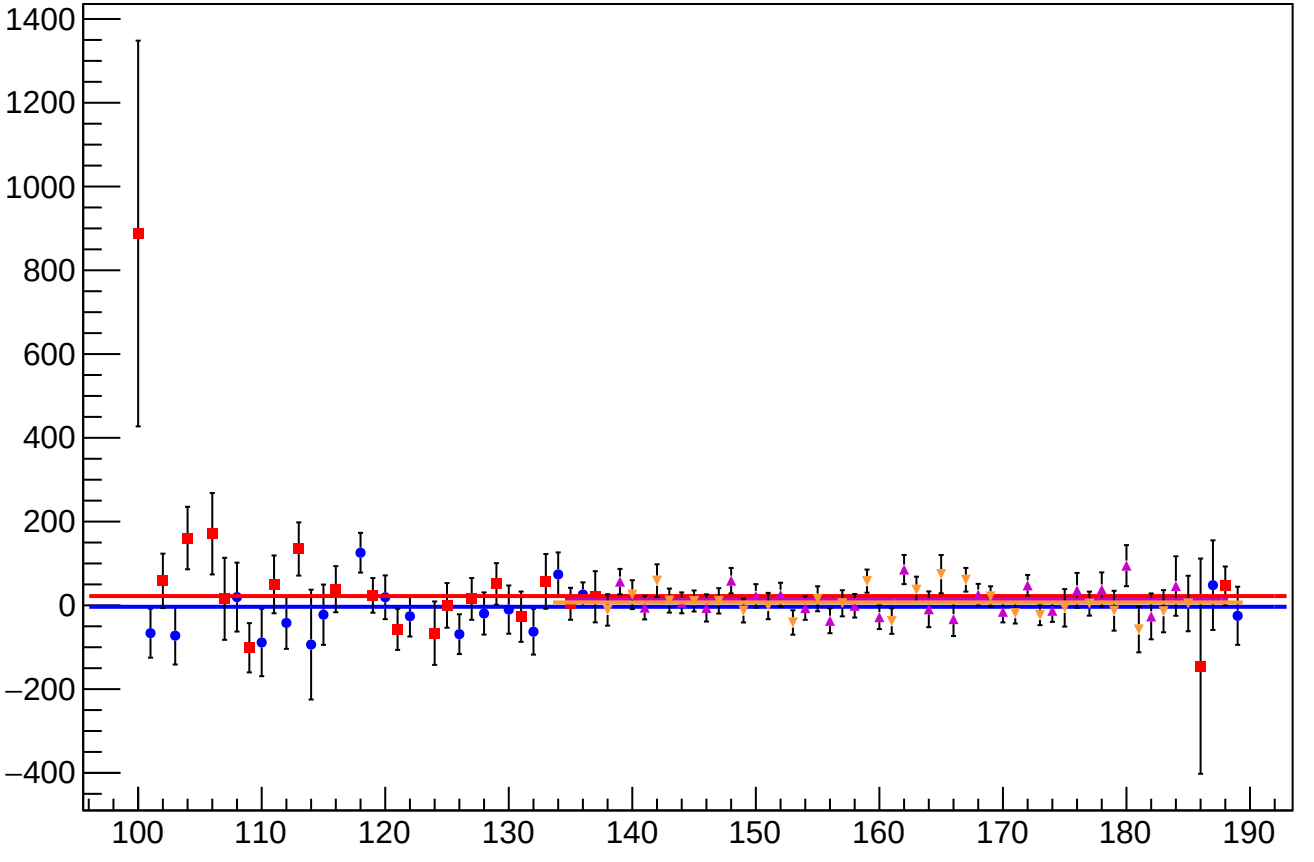
Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 182.771+/-0.026 χ^2/NDF: 6574066.9/42

All: 183.886+/-0.019 χ^2/NDF: 14123119.9/86

- sign 185.060+/-0.027 χ^2/NDF: 7545414.9/43

dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.415+/-13.052 χ^2/NDF: 18.8/17

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: 22.165+/-12.922 χ^2/NDF: 23.8/20

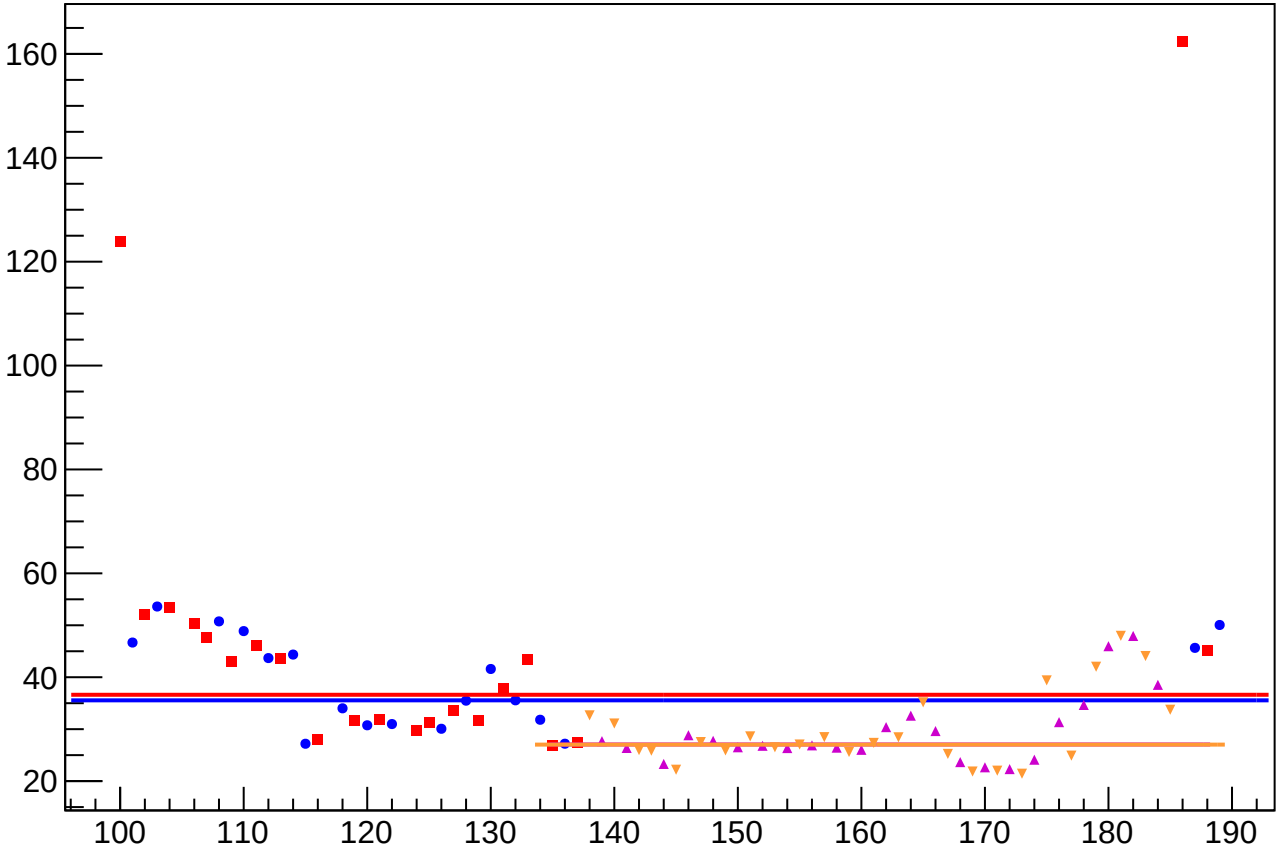
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 5.079+/-5.698 χ^2/NDF: 42.1/42

All: 9.749+/-4.070 χ^2/NDF: 93.3/86

- sign 14.615+/-5.816 χ^2/NDF: 49.9/43

dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 35.549+/-0.009 χ^2/NDF: 768857.4/17

Left Out: 27.026+/-0.004 χ^2/NDF:1430523.7/24

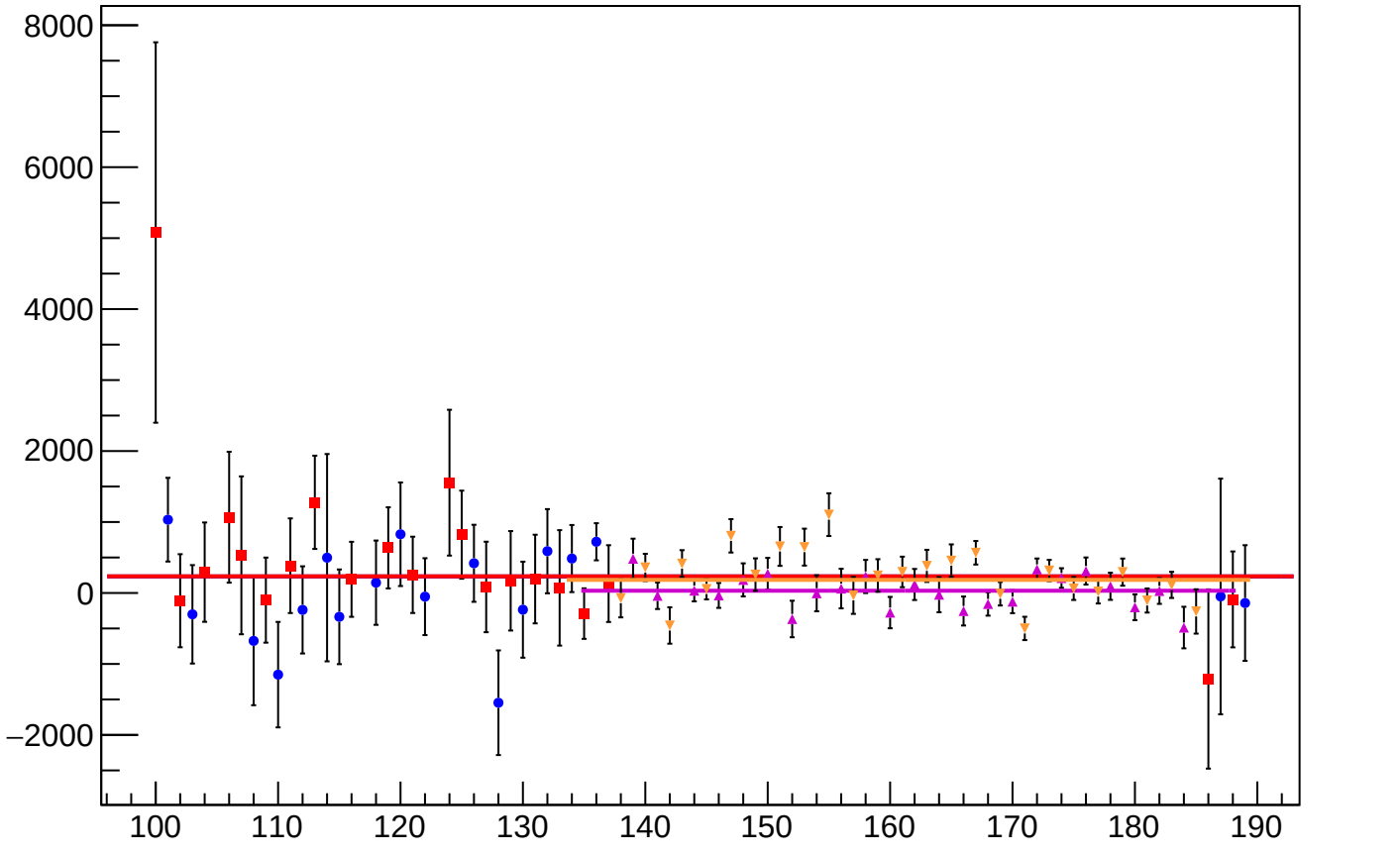
Right Out: 36.620+/-0.009 χ^2/NDF: 1339088.5/20

Left In: 27.052+/-0.005 χ^2/NDF:1044359.4/22

+ sign 28.651+/-0.004 χ^2/NDF: 2889702.1/42

All: 28.817+/-0.003 χ^2/NDF: 6151059.1/86

- sign 28.991+/-0.004 χ^2/NDF: 3257869.4/43



Right In: 233.378+/-137.766 χ^2/NDF: 20.0/17

Left Out: 184.675+/-39.832 χ^2/NDF:67.7/24

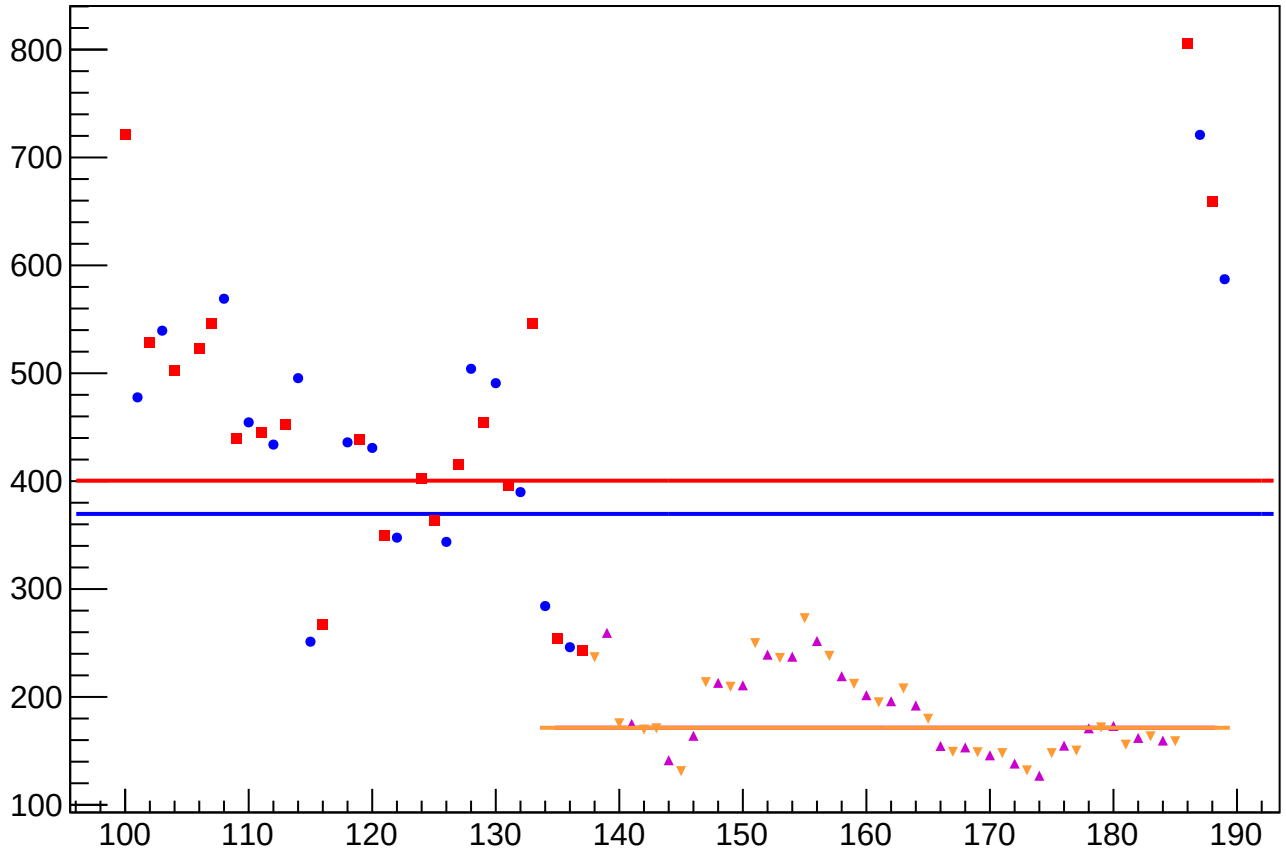
Right Out: 234.719+/-141.158 χ^2/NDF: 14.2/20

Left In: 31.891+/-40.975 χ^2/NDF:26.4/22

+ sign 188.432+/-38.265 χ^2/NDF: 87.8/42

All: 120.012+/-27.433 χ^2/NDF: 136.9/86

- sign 47.654+/-39.351 χ^2/NDF: 42.5/43



Right In: 369.644+/-0.097 χ^2/NDF: 1332936.5/17

Left Out: 171.427+/-0.028 χ^2/NDF:1526852.0/24

Right Out: 400.461+/-0.100 χ^2/NDF: 1490707.1/20

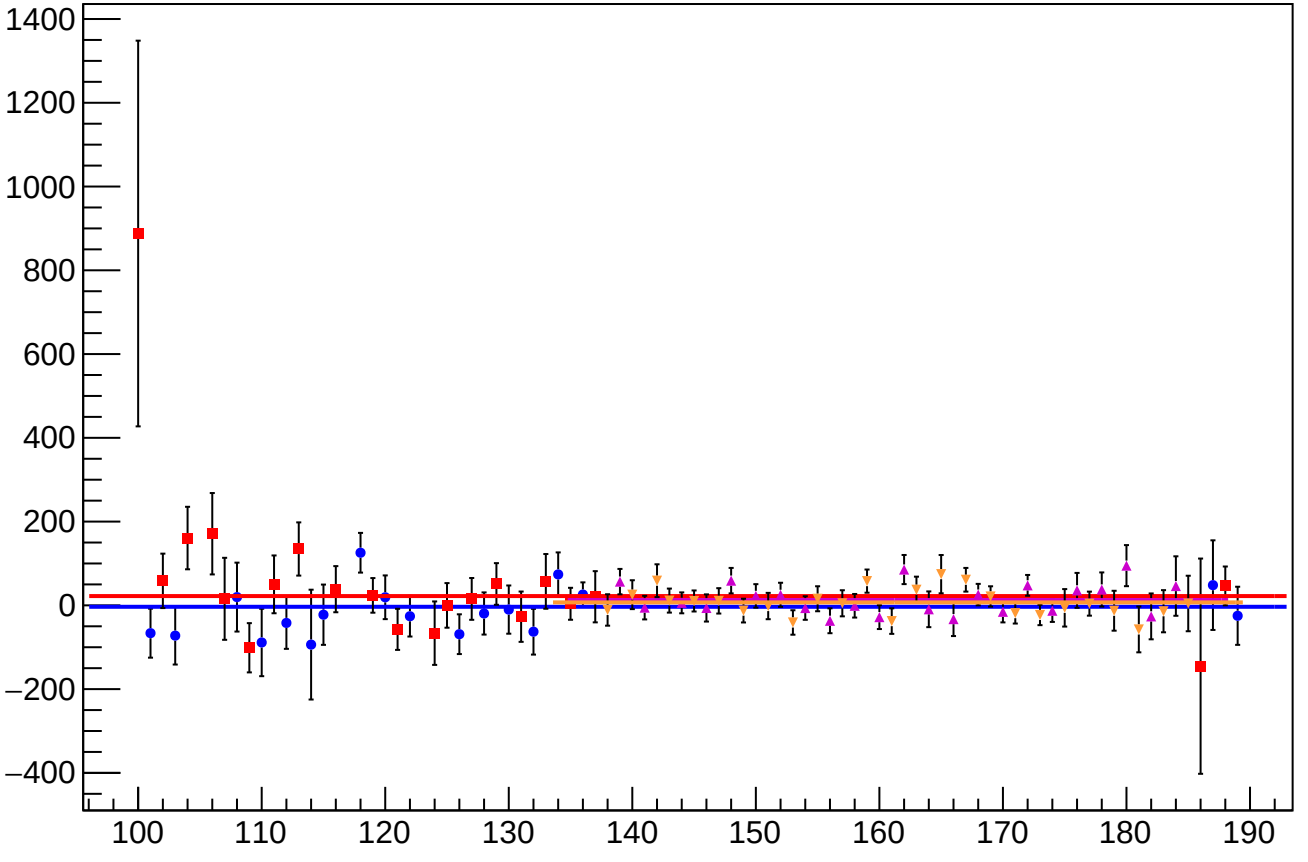
Left In: 171.490+/-0.029 χ^2/NDF:1415769.4/22

+ sign 186.718+/-0.027 χ^2/NDF: 6680656.8/42

All: 187.965+/-0.019 χ^2/NDF: 14444935.7/86

- sign 189.284+/-0.028 χ^2/NDF: 7759909.7/43

eigen_dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.416+/-13.051 χ^2/NDF: 18.8/17

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: 22.165+/-12.922 χ^2/NDF: 23.8/20

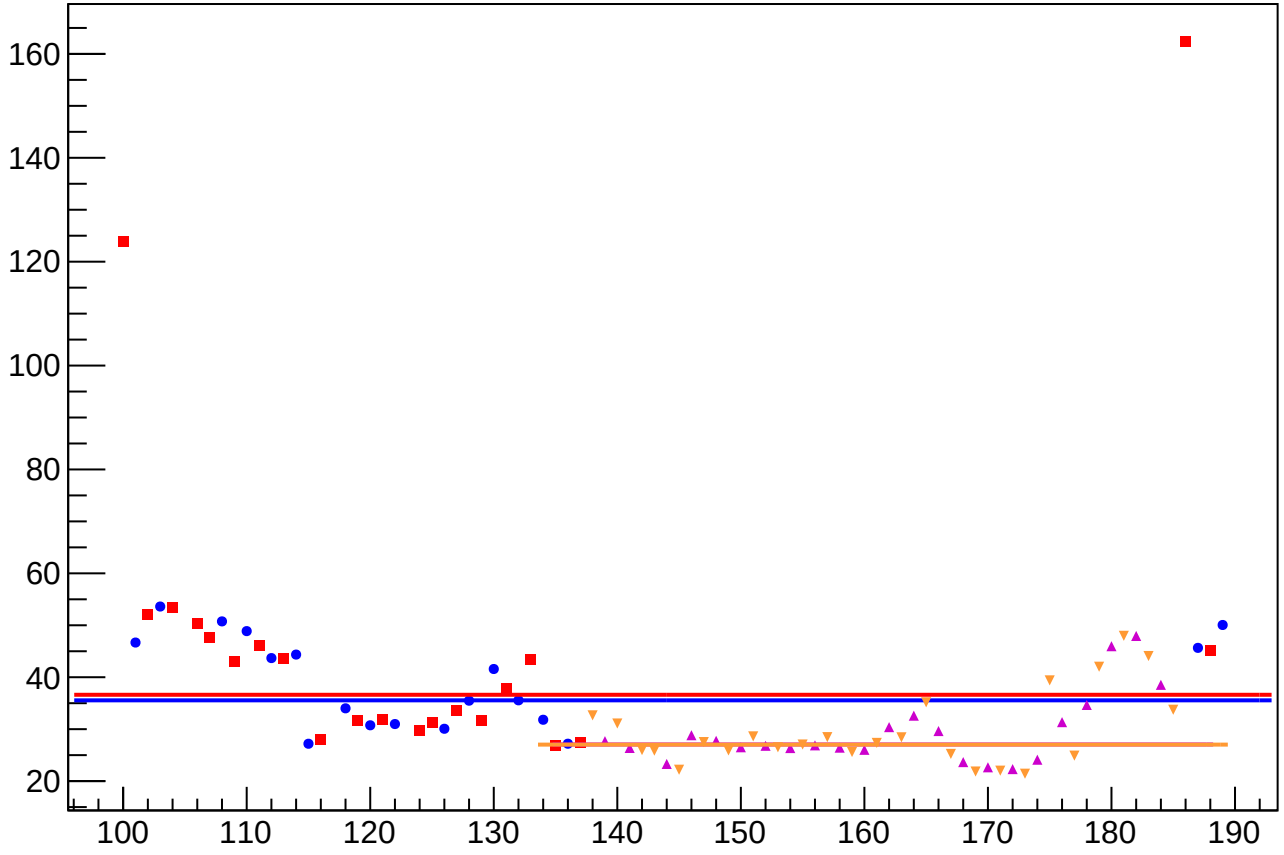
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 5.079+/-5.698 χ^2/NDF: 42.0/42

All: 9.749+/-4.070 χ^2/NDF: 93.3/86

- sign 14.615+/-5.816 χ^2/NDF: 49.9/43

eigen_dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 35.549+/-0.009 χ^2/NDF: 768815.3/17

Left Out: 27.026+/-0.004 χ^2/NDF:1430534.9/24

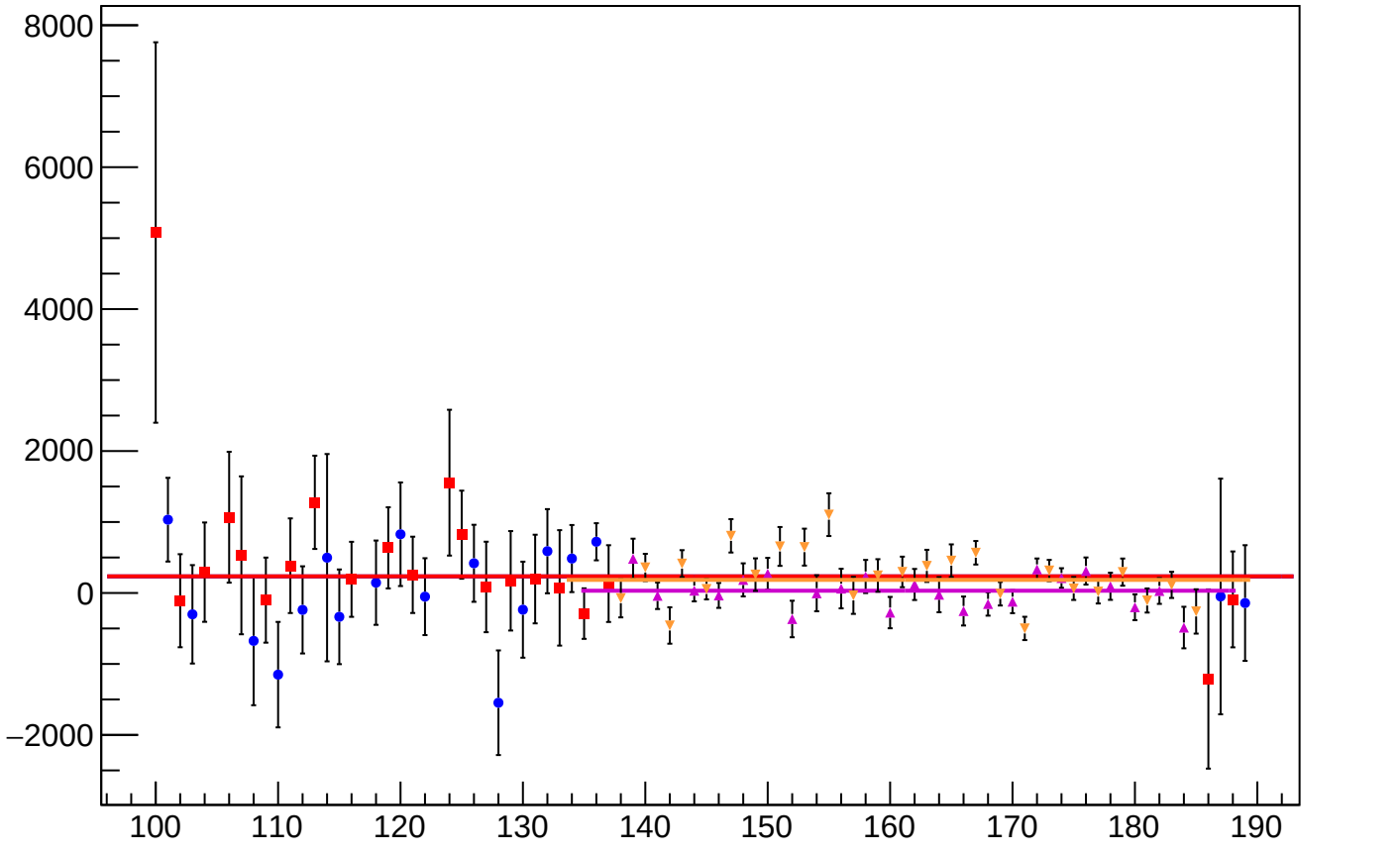
Right Out: 36.620+/-0.009 χ^2/NDF: 1339068.5/20

Left In: 27.052+/-0.005 χ^2/NDF:1044338.2/22

+ sign 28.651+/-0.004 χ^2/NDF: 2889592.6/42

All: 28.817+/-0.003 χ^2/NDF: 6150840.4/86

- sign 28.991+/-0.004 χ^2/NDF: 3257760.5/43



Right In: 233.376+/-137.765 χ^2/NDF: 20.0/17

Left Out: 184.674+/-39.832 χ^2/NDF:67.7/24

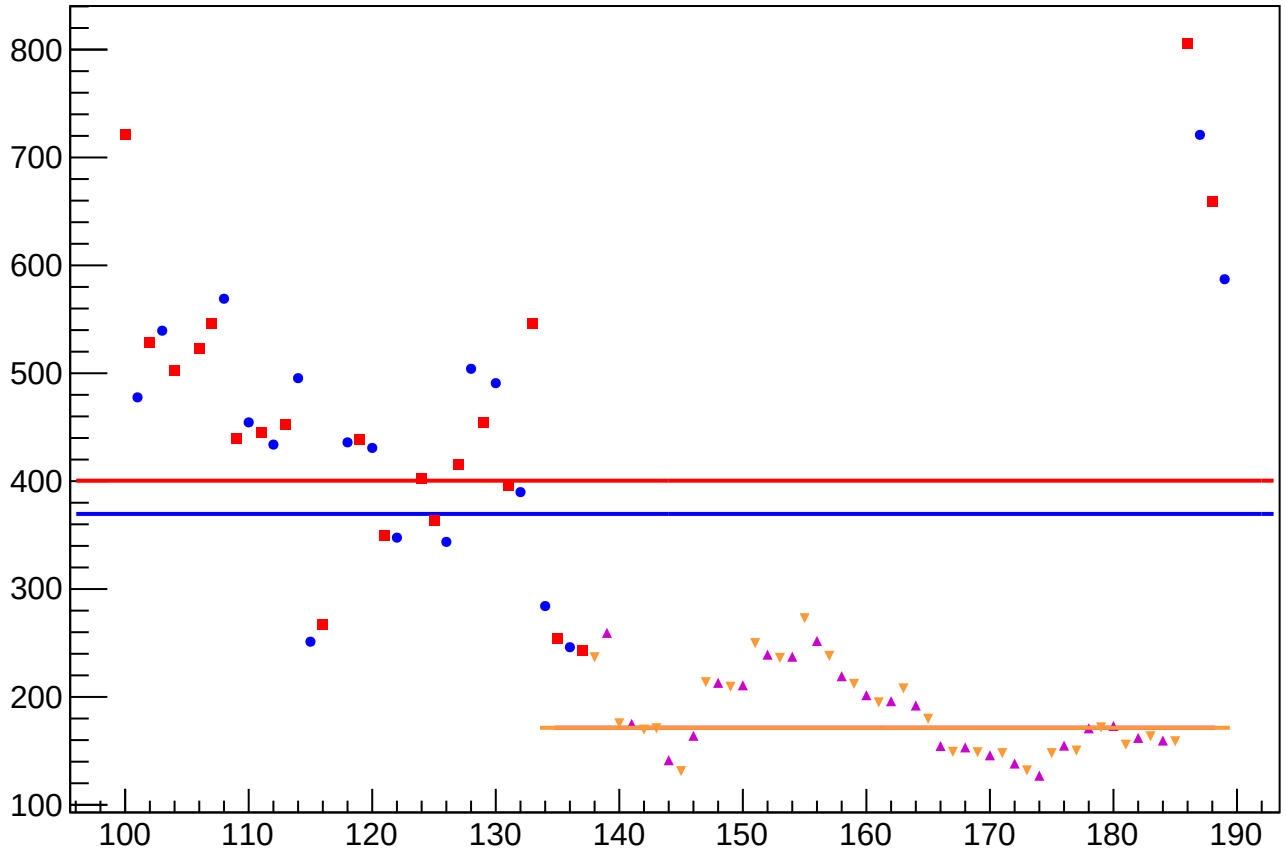
Right Out: 234.719+/-141.157 χ^2/NDF: 14.2/20

Left In: 31.891+/-40.975 χ^2/NDF:26.4/22

+ sign 188.431+/-38.265 χ^2/NDF: 87.8/42

All: 120.011+/-27.433 χ^2/NDF: 136.9/86

- sign 47.653+/-39.350 χ^2/NDF: 42.5/43



Right In: 369.643+/-0.097 χ^2/NDF: 1332929.4/17

Left Out: 171.426+/-0.028 χ^2/NDF:1526868.9/24

Right Out: 400.460+/-0.100 χ^2/NDF: 1490706.6/20

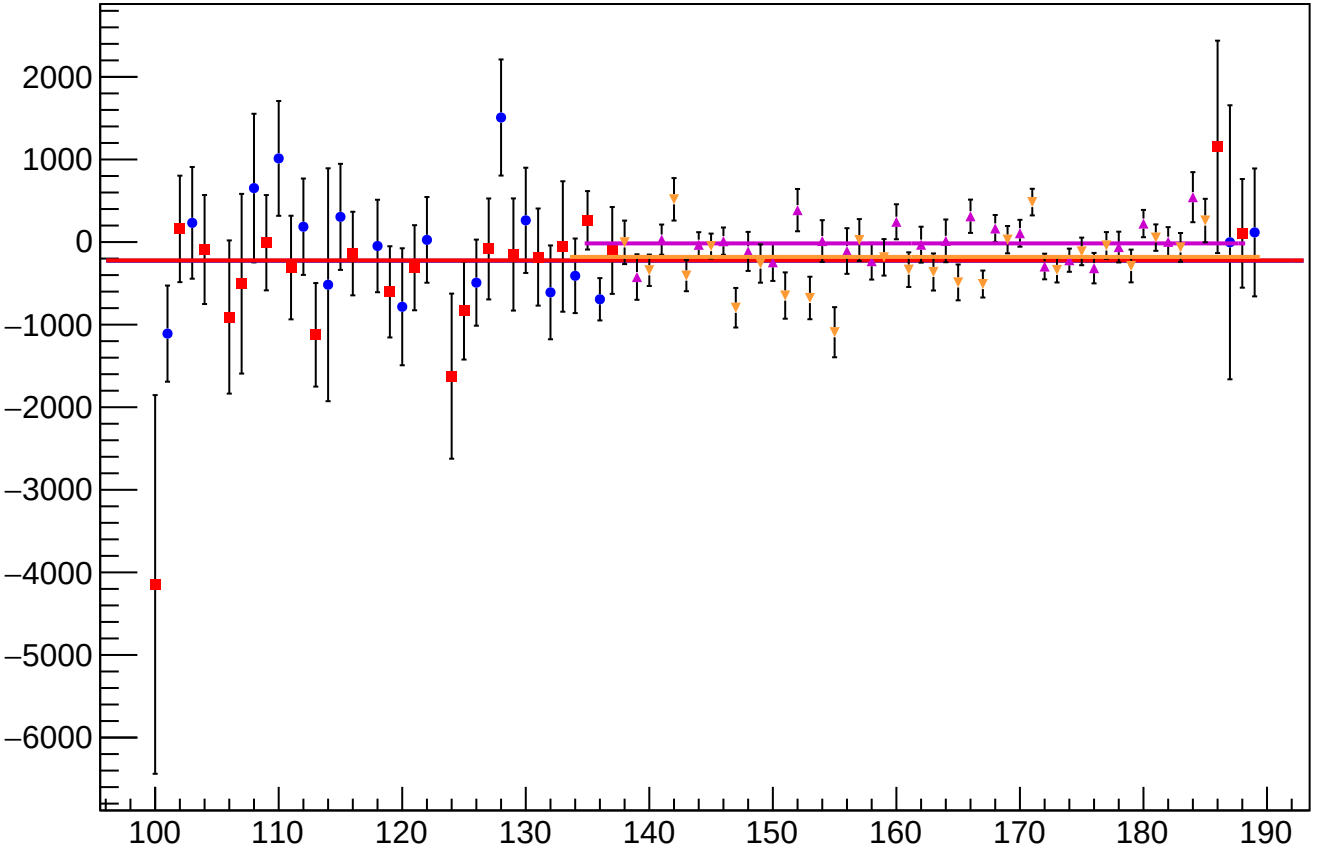
Left In: 171.489+/-0.029 χ^2/NDF:1415782.1/22

+ sign 186.718+/-0.027 χ^2/NDF: 6680673.5/42

All: 187.965+/-0.019 χ^2/NDF: 14444975.8/86

- sign 189.283+/-0.028 χ^2/NDF: 7759933.3/43

asym_sam_1357_2468_dd_mean vs Slug



Right In: -226.085+/-132.900 χ^2/NDF: 20.2/17

Left Out: -179.656+/-39.364 χ^2/NDF:67.1/24

Right Out: -222.128+/-136.546 χ^2/NDF: 13.1/20

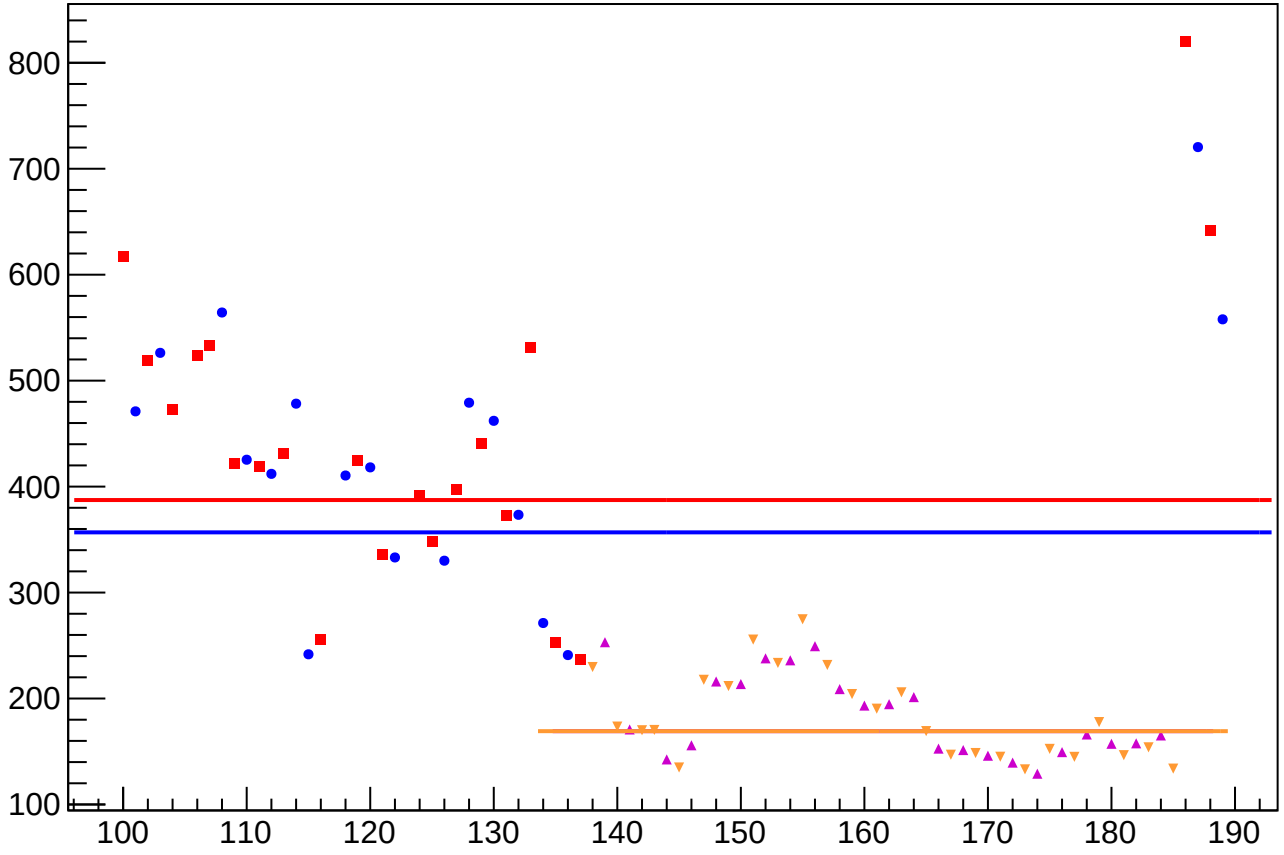
Left In: -16.057+/-40.396 χ^2/NDF:26.6/22

+ sign -183.400+/-37.743 χ^2/NDF: 87.4/42

All: -109.980+/-27.033 χ^2/NDF: 137.0/86

- sign -32.642+/-38.737 χ^2/NDF: 41.8/43

asym_sam_1357_2468_dd_rms vs Slug



Right In: 356.812+/-0.094 χ^2/NDF: 1295655.8/17

Left Out: 169.182+/-0.028 χ^2/NDF:1547748.9/24

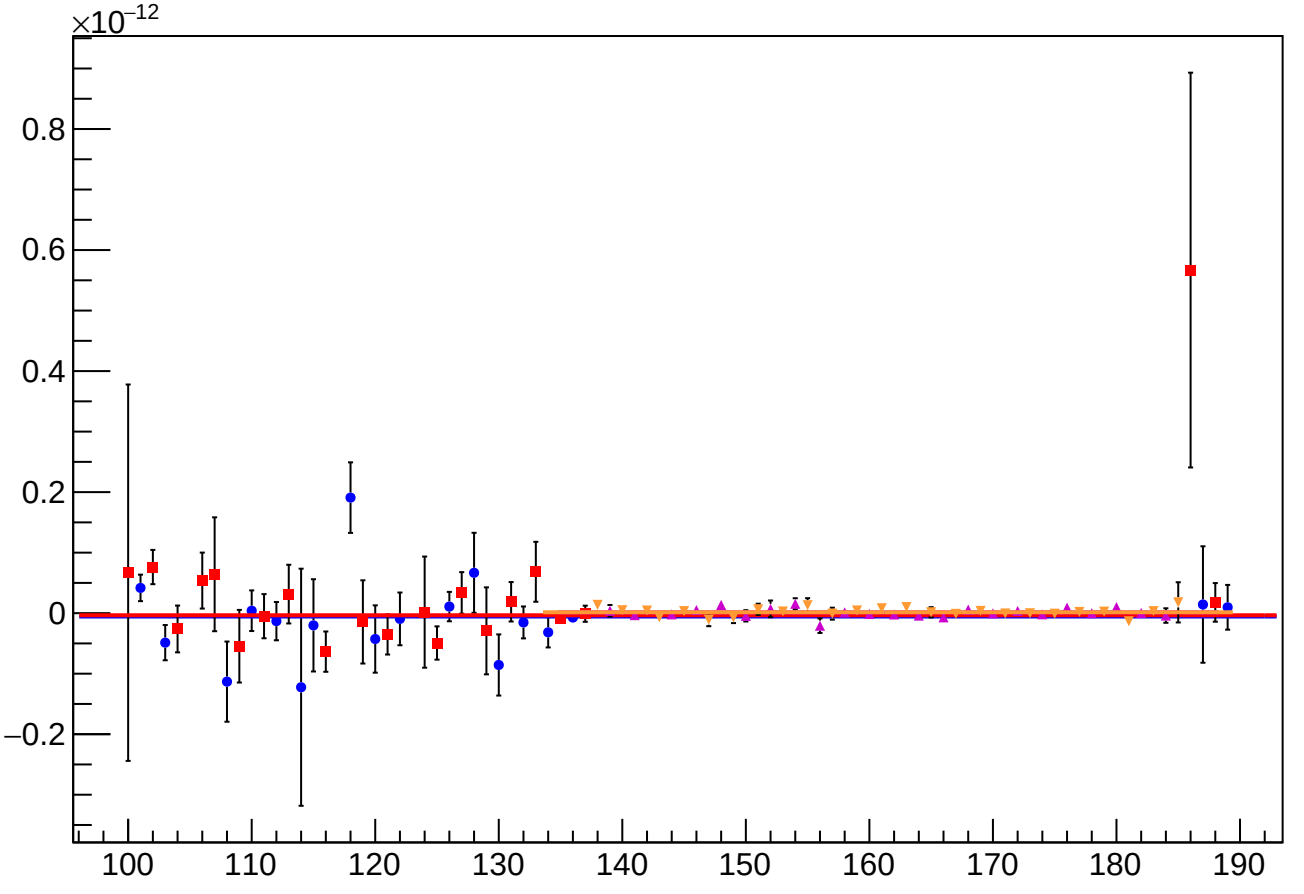
Right Out: 387.321+/-0.097 χ^2/NDF: 1471262.9/20

Left In: 169.187+/-0.029 χ^2/NDF:1374439.5/22

+ sign 184.315+/-0.027 χ^2/NDF: 6508354.4/42

All: 185.497+/-0.019 χ^2/NDF: 14051439.9/86

- sign 186.742+/-0.027 χ^2/NDF: 7539055.3/43



Right In: -0.000+/-0.000 χ^2/NDF: 27.5/17

Left Out: 0.000+/-0.000 χ^2/NDF:18.8/24

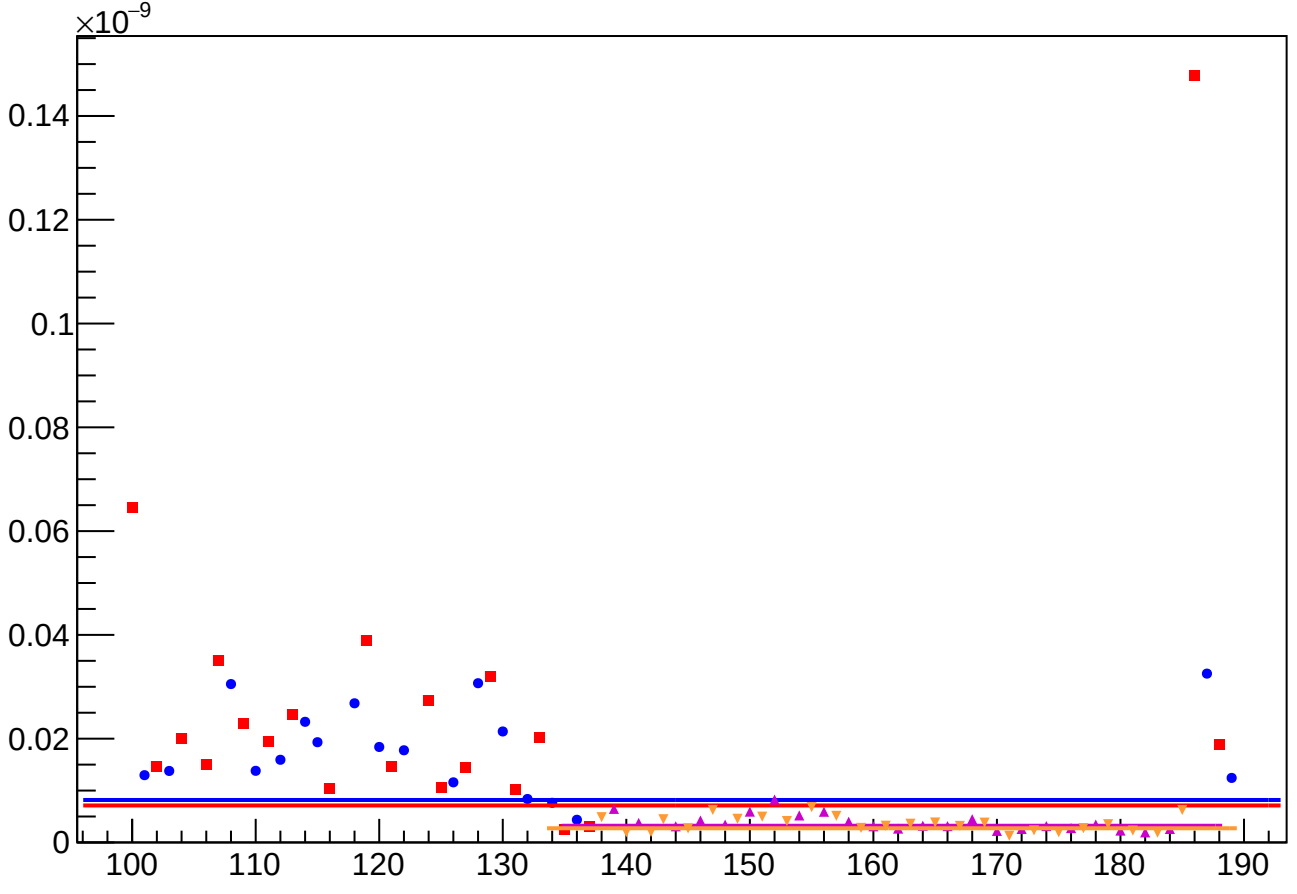
Right Out: -0.000+/-0.000 χ^2/NDF: 26.5/20

Left In: 0.000+/-0.000 χ^2/NDF:19.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 47.8/42

All: 0.000+/-0.000 χ^2/NDF: 94.7/86

- sign 0.000+/-0.000 χ^2/NDF: 46.9/43



Right In: 0.000+/-0.000 χ^2/NDF: 2106531.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:1923193.7/24

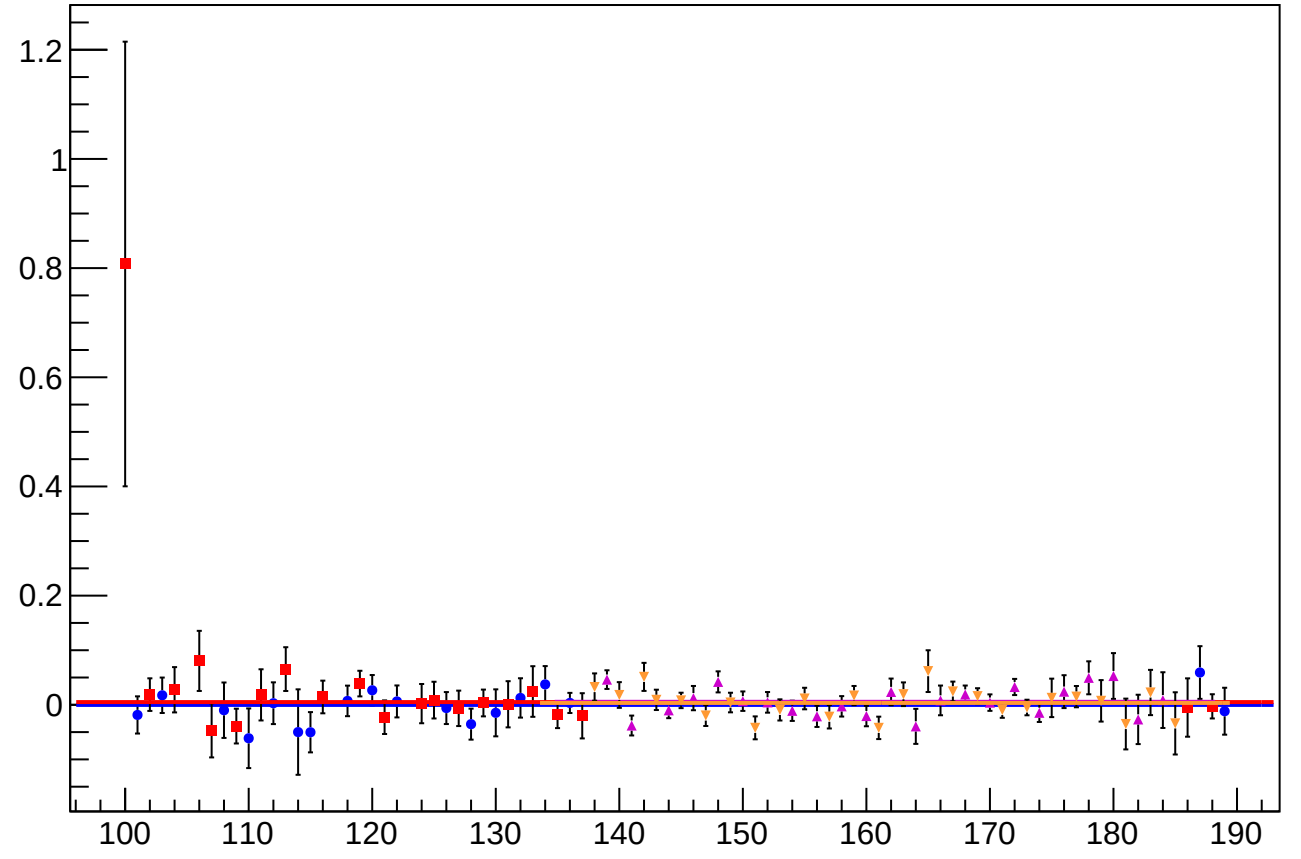
Right Out: 0.000+/-0.000 χ^2/NDF: 4033689.6/20

Left In: 0.000+/-0.000 χ^2/NDF:1355602.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 5837264.7/42

All: 0.000+/-0.000 χ^2/NDF: 12342323.0/86

- sign 0.000+/-0.000 χ^2/NDF: 6351677.3/43



Right In: -0.000+/-0.008 χ^2/NDF: 9.9/17

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: 0.005+/-0.007 χ^2/NDF: 16.4/20

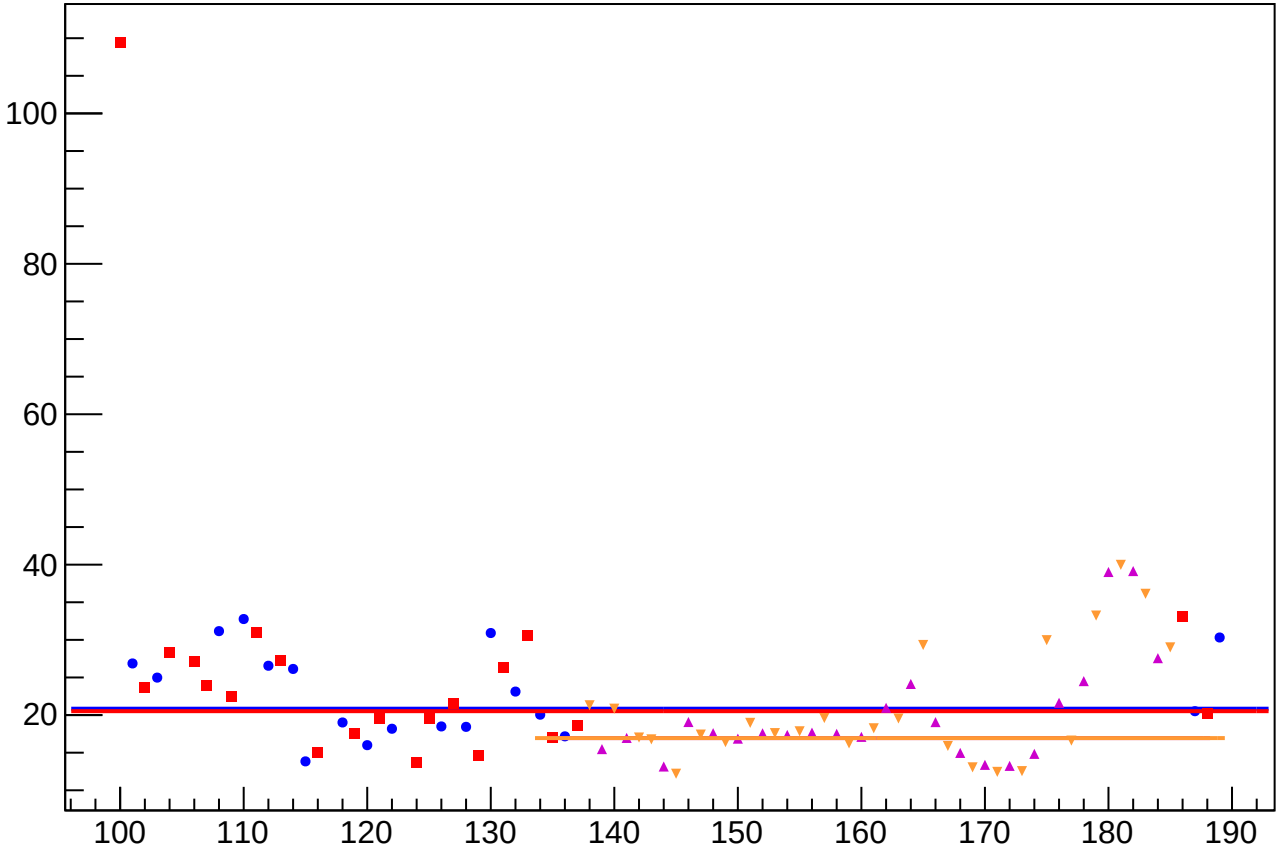
Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.004 χ^2/NDF: 37.0/42

All: 0.004+/-0.003 χ^2/NDF: 86.9/86

- sign 0.005+/-0.004 χ^2/NDF: 49.6/43

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug



Right In: 20.846+/-0.006 χ^2/NDF: 806465.3/17

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

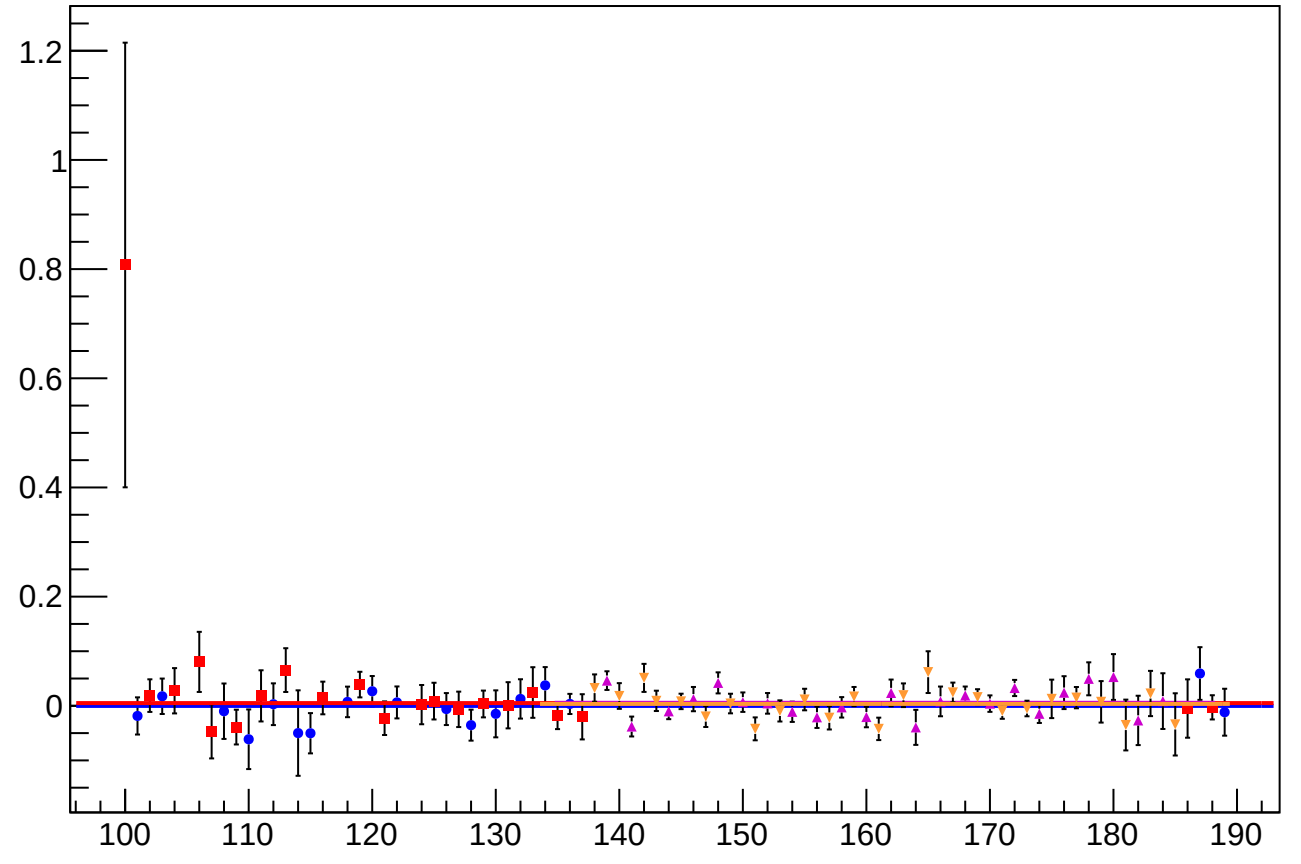
Right Out: 20.519+/-0.005 χ^2/NDF: 977624.9/20

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

\+ sign 17.779+/-0.003 χ^2/NDF: 4035479.2/42

All: 17.799+/-0.002 χ^2/NDF: 7311860.7/86

\- sign 17.819+/-0.003 χ^2/NDF: 3276257.9/43



Right In: -0.000+/-0.008 χ^2/NDF: 9.9/17

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

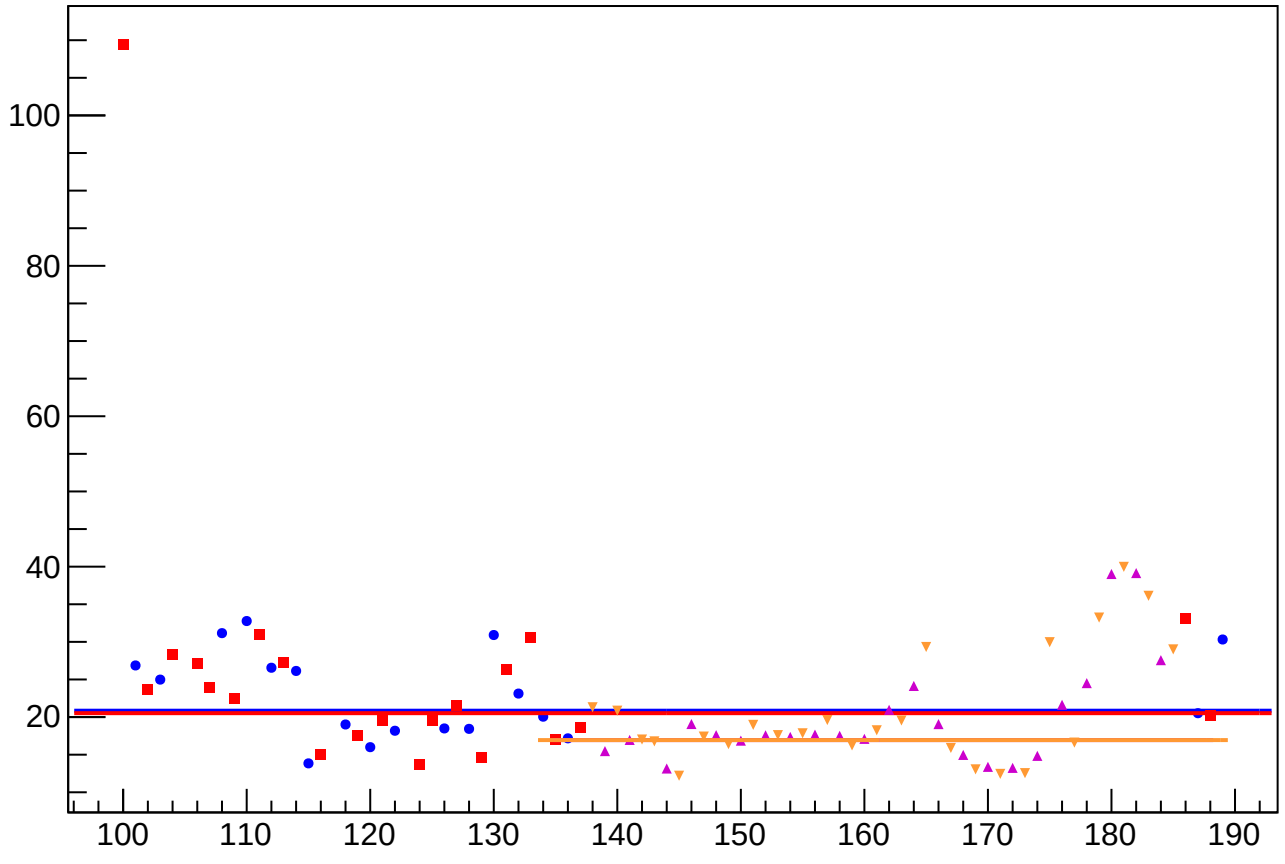
Right Out: 0.005+/-0.007 χ^2/NDF: 16.4/20

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.004 χ^2/NDF: 37.0/42

All: 0.004+/-0.003 χ^2/NDF: 86.9/86

- sign 0.005+/-0.004 χ^2/NDF: 49.6/43



Right In: 20.846+/-0.006 χ^2/NDF: 806465.3/17

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

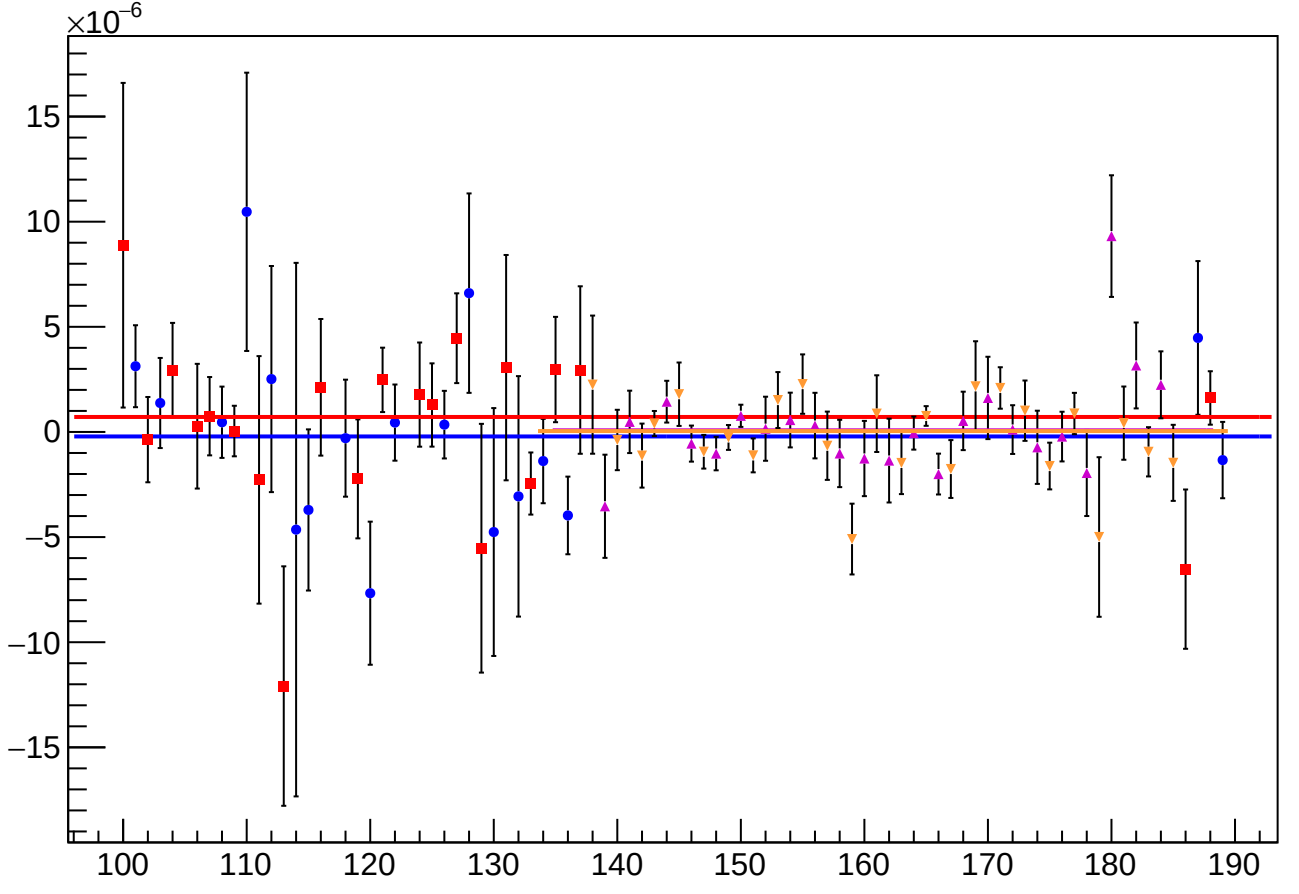
Right Out: 20.519+/-0.005 χ^2/NDF: 977624.9/20

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

\+ sign 17.779+/-0.003 χ^2/NDF: 4035479.2/42

All: 17.799+/-0.002 χ^2/NDF: 7311860.7/86

\- sign 17.819+/-0.003 χ^2/NDF: 3276257.9/43



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:37.2/24

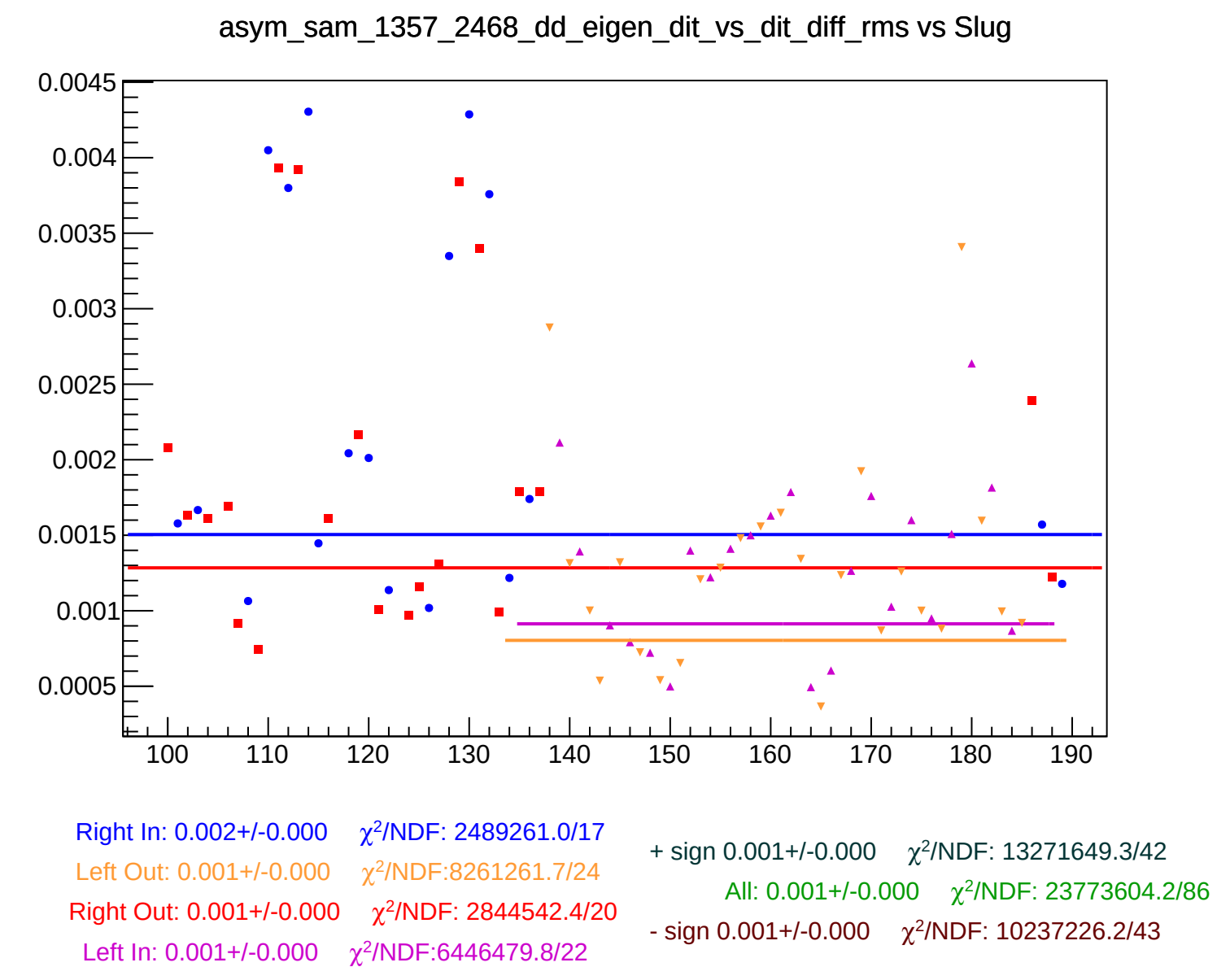
Right Out: 0.000+/-0.000 χ^2/NDF: 25.2/20

Left In: 0.000+/-0.000 χ^2/NDF:31.0/22

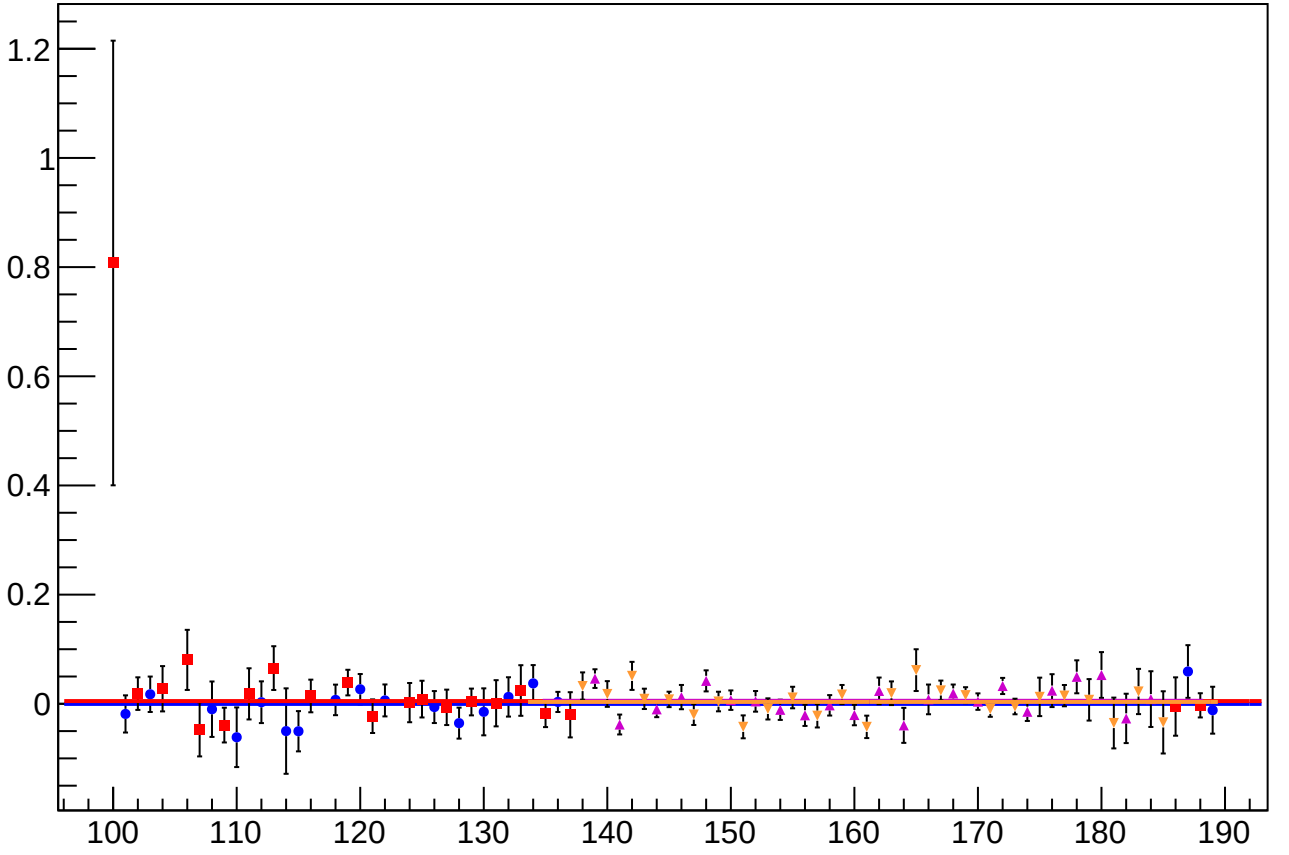
+ sign 0.000+/-0.000 χ^2/NDF: 59.3/42

All: 0.000+/-0.000 χ^2/NDF: 117.2/86

- sign 0.000+/-0.000 χ^2/NDF: 57.5/43


asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
180
190
Right In: 0.002+/-0.000 χ²/NDF: 2489261.0/17
Left Out: 0.001+/-0.000 χ²/NDF:8261261.7/24
Right Out: 0.001+/-0.000 χ²/NDF: 2844542.4/20
Left In: 0.001+/-0.000 χ²/NDF:6446479.8/22
+ sign 0.001+/-0.000 χ²/NDF: 13271649.3/42
All: 0.001+/-0.000 χ²/NDF: 23773604.2/86
- sign 0.001+/-0.000 χ²/NDF: 10237226.2/43

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.008 χ^2/NDF: 9.9/17

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

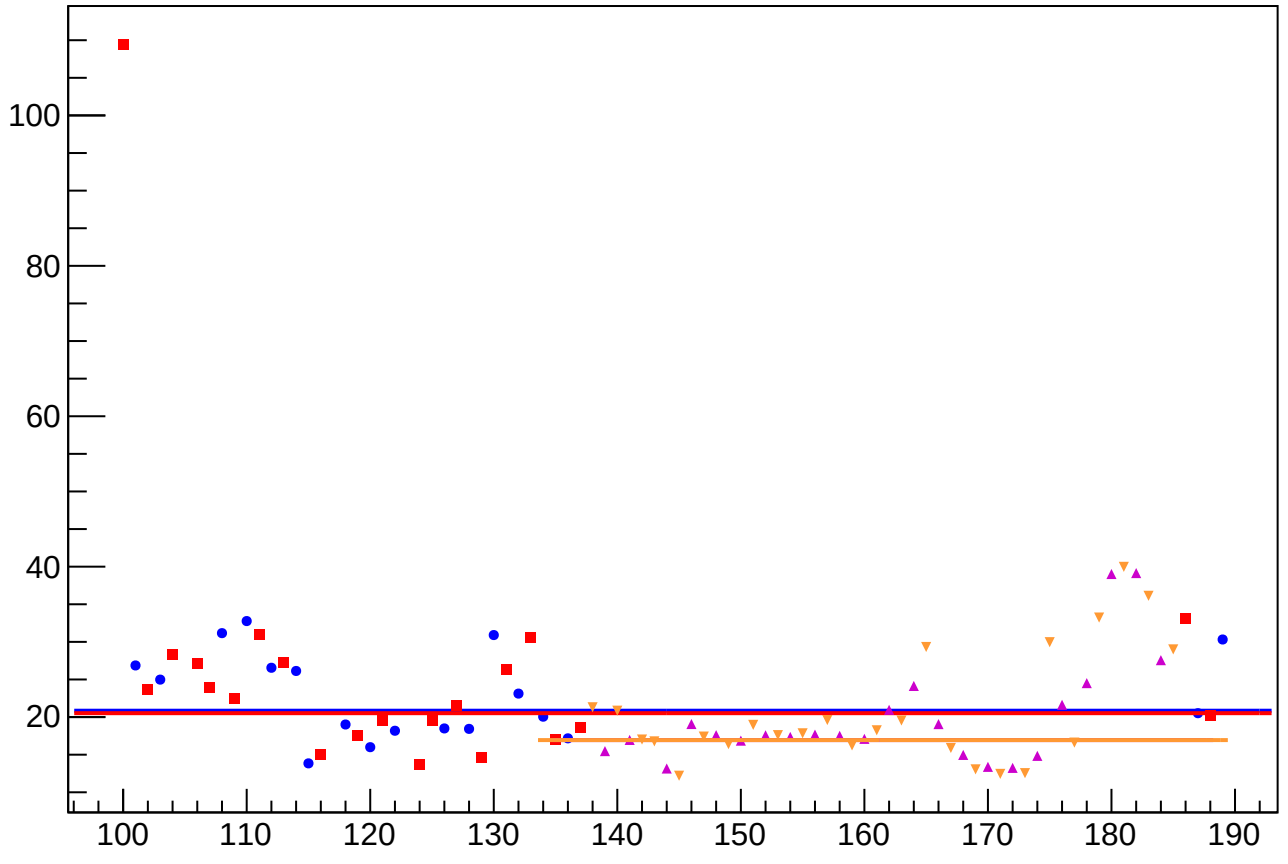
Right Out: 0.005+/-0.007 χ^2/NDF: 16.4/20

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.004 χ^2/NDF: 37.0/42

All: 0.004+/-0.003 χ^2/NDF: 86.9/86

- sign 0.005+/-0.004 χ^2/NDF: 49.6/43



Right In: 20.845+/-0.006 χ^2/NDF: 806359.9/17

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

Right Out: 20.519+/-0.005 χ^2/NDF: 977646.7/20

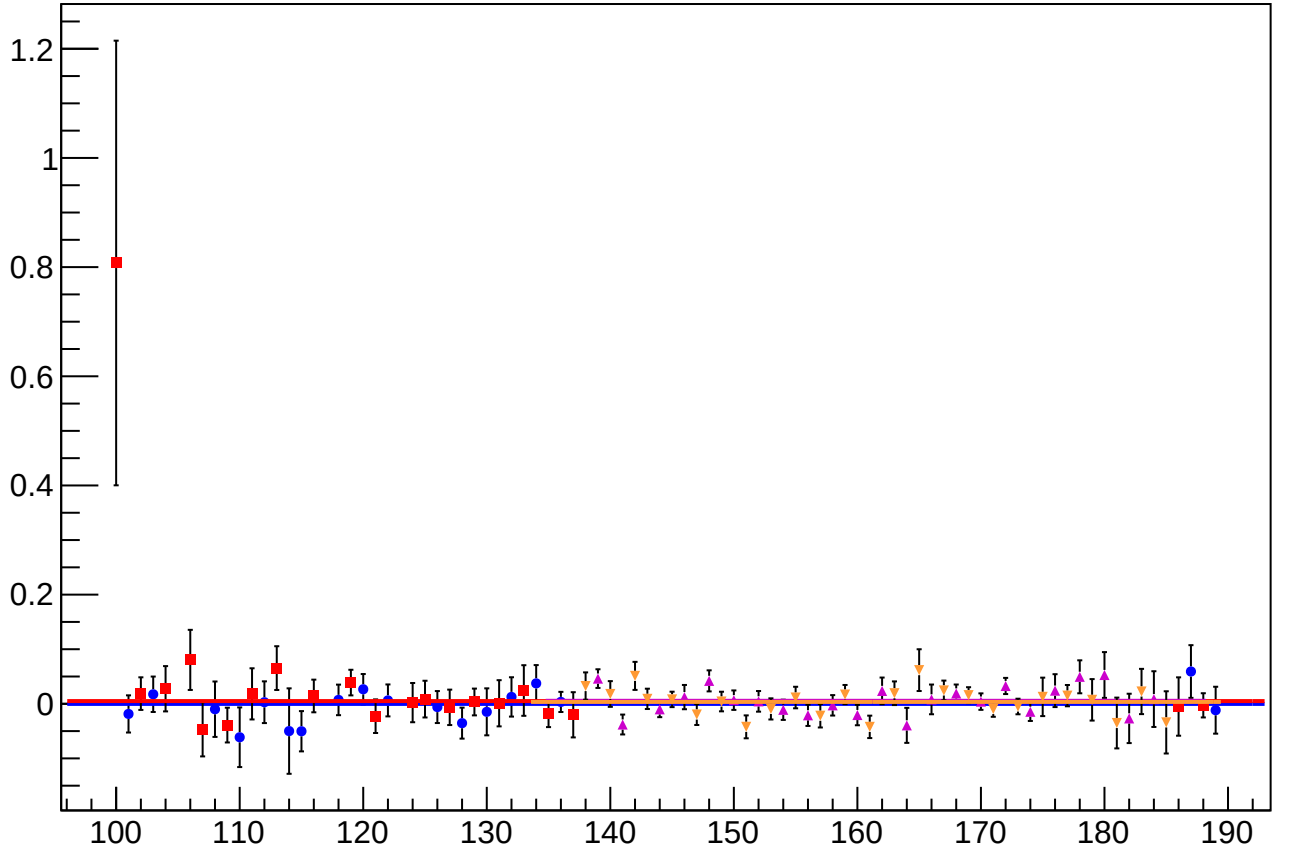
Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

\+ sign 17.779+/-0.003 χ^2/NDF: 4035229.4/42

All: 17.799+/-0.002 χ^2/NDF: 7311493.9/86

\- sign 17.819+/-0.003 χ^2/NDF: 3276141.4/43

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.000+/-0.008 χ^2/NDF: 9.9/17

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

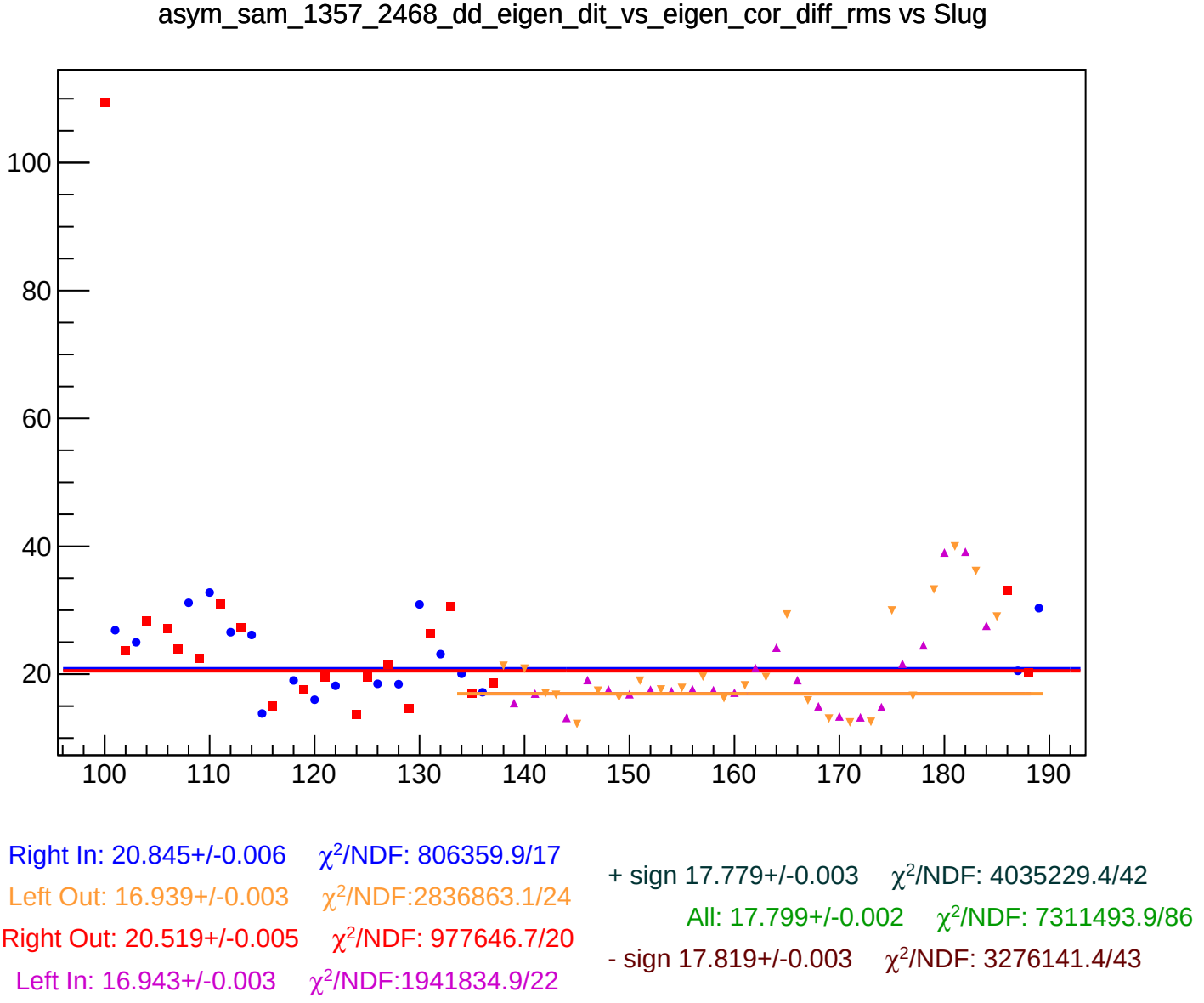
Right Out: 0.005+/-0.007 χ^2/NDF: 16.4/20

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.004 χ^2/NDF: 37.0/42

All: 0.004+/-0.003 χ^2/NDF: 86.9/86

- sign 0.005+/-0.004 χ^2/NDF: 49.6/43


asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
100
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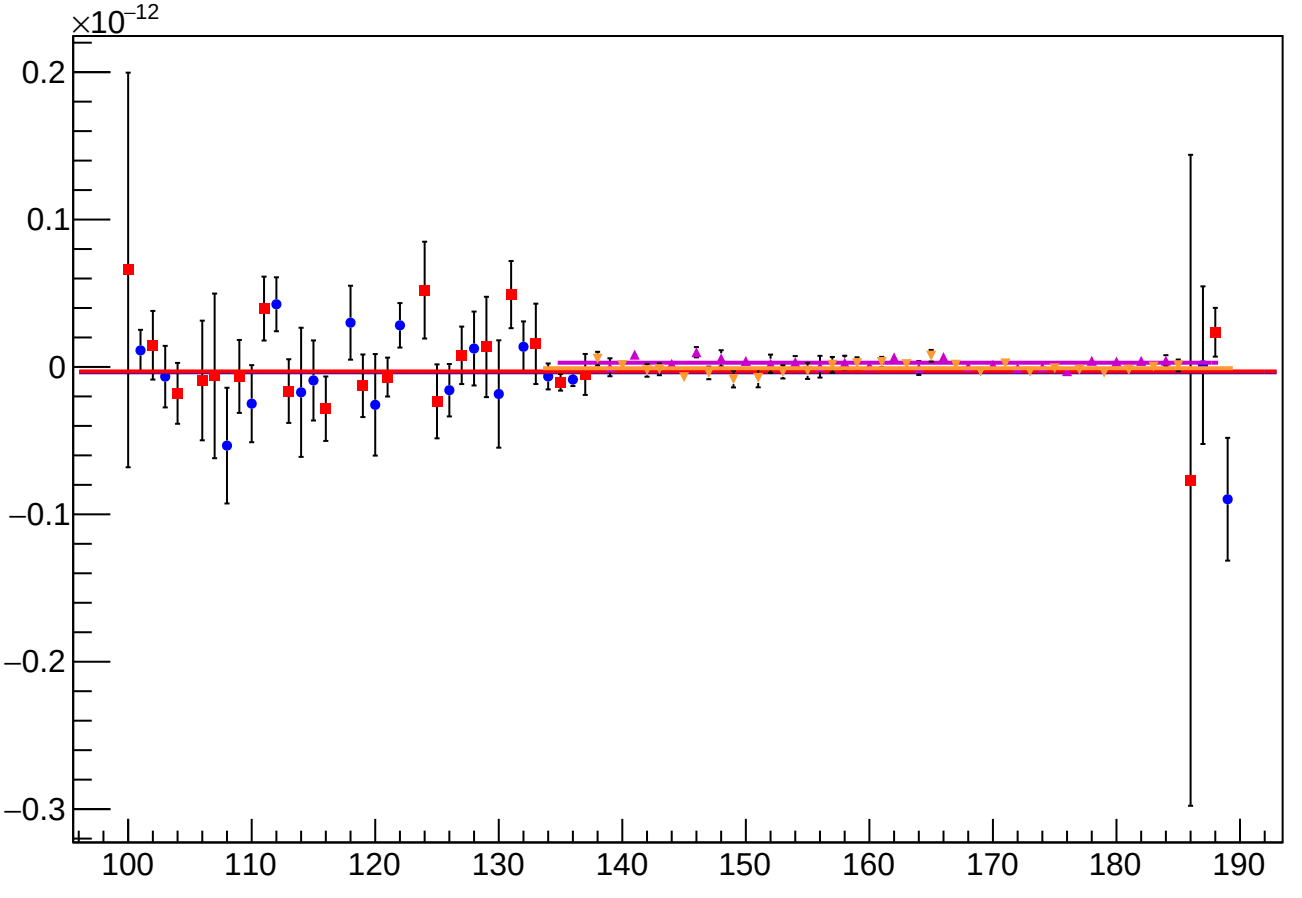
180
190
Right In: 20.845+/-0.006 χ²/NDF: 806359.9/17
Left Out: 16.939+/-0.003 χ²/NDF:2836863.1/24
Right Out: 20.519+/-0.005 χ²/NDF: 977646.7/20
Left In: 16.943+/-0.003 χ²/NDF:1941834.9/22
+ sign 17.779+/-0.003 χ²/NDF: 4035229.4/42
All: 17.799+/-0.002 χ²/NDF: 7311493.9/86
- sign 17.819+/-0.003 χ²/NDF: 3276141.4/43



Right In: -0.000+/-0.000 χ^2/NDF: 24.3/17

Left Out: -0.000+/-0.000 χ^2/NDF:23.6/24

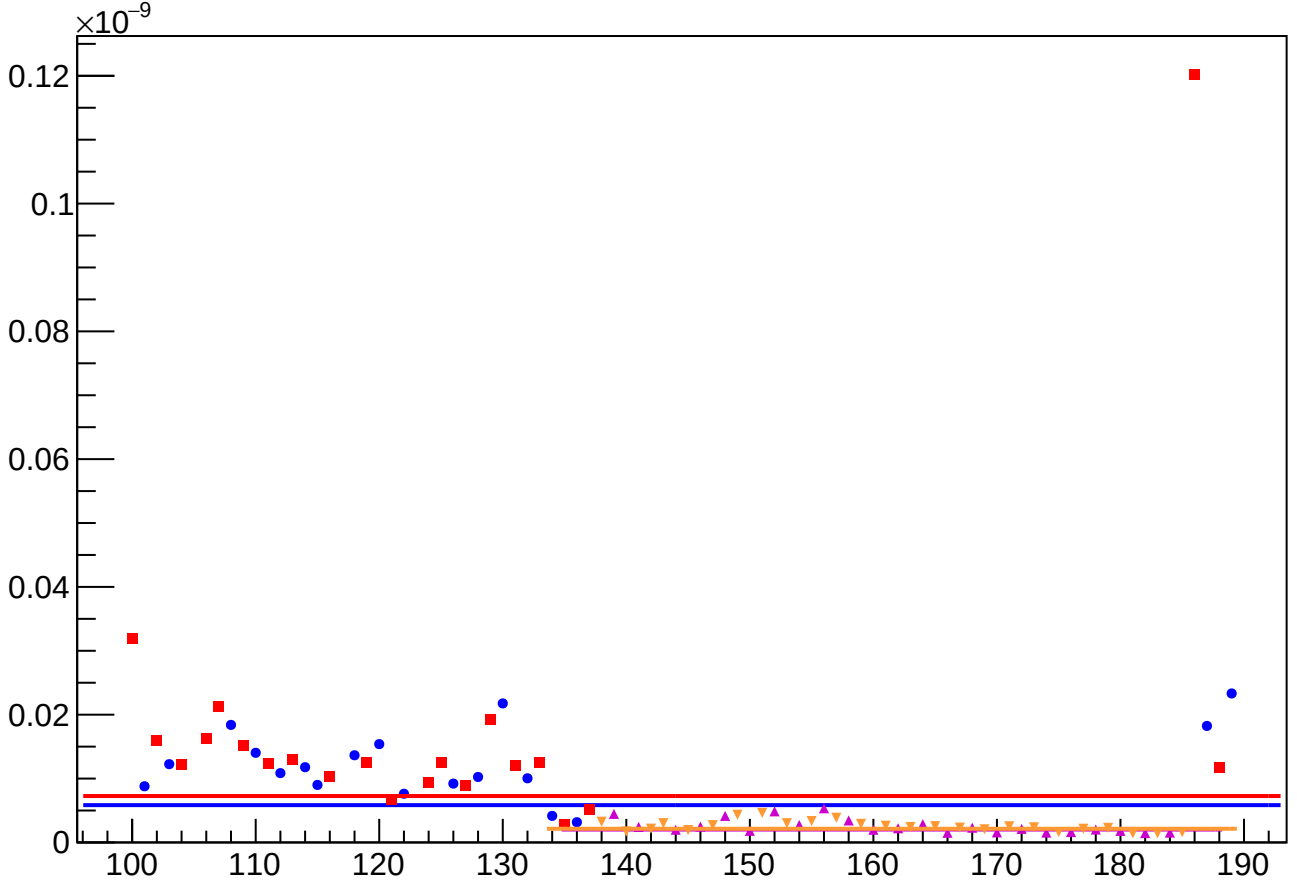
Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/20

Left In: 0.000+/-0.000 χ^2/NDF:23.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.6/42

All: 0.000+/-0.000 χ^2/NDF: 112.8/86

- sign 0.000+/-0.000 χ^2/NDF: 47.0/43



Right In: 0.000+/-0.000 χ^2/NDF: 3170139.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:2184835.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3790026.2/20

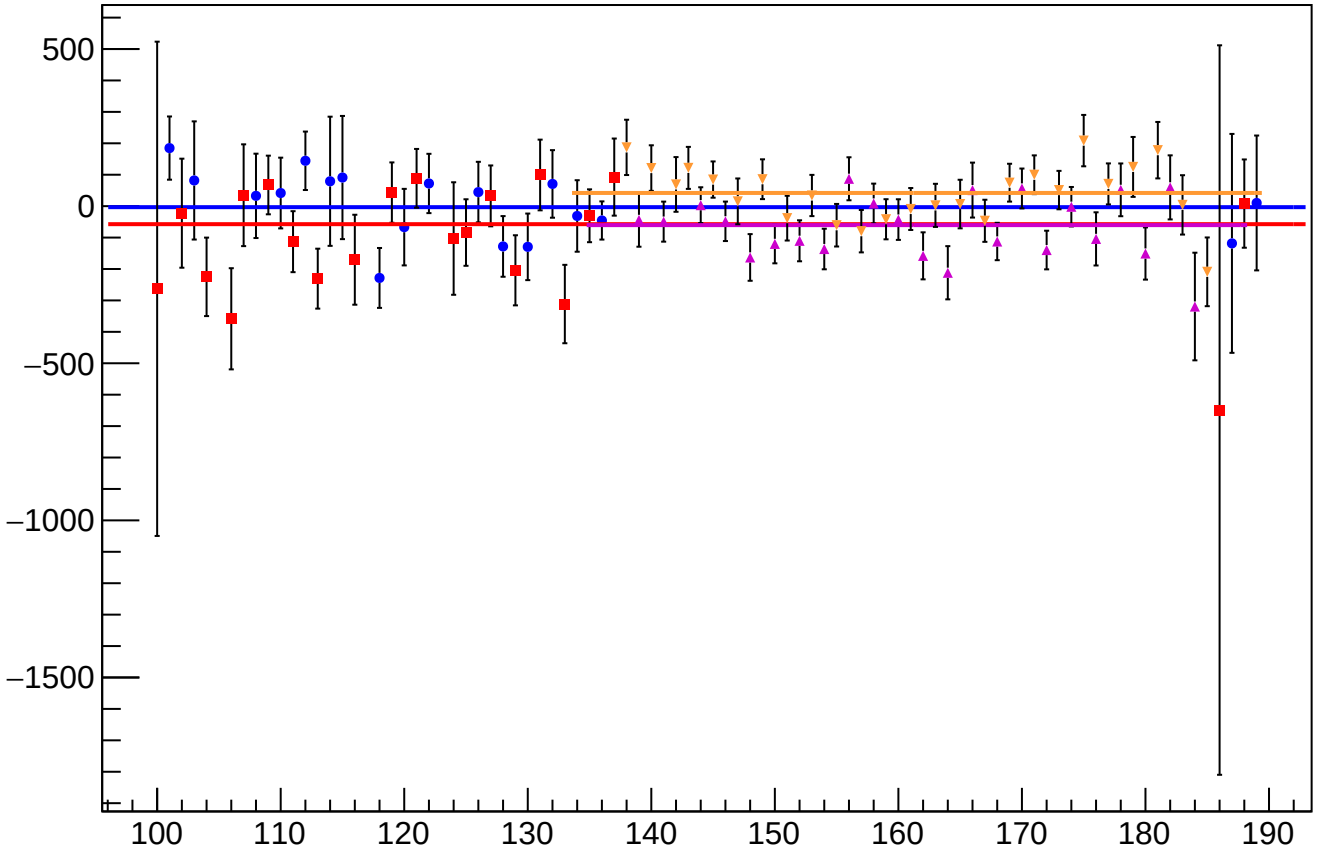
Left In: 0.000+/-0.000 χ^2/NDF:2375362.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 7860038.8/42

All: 0.000+/-0.000 χ^2/NDF: 17840027.1/86

- sign 0.000+/-0.000 χ^2/NDF: 9944892.6/43

reg_asym_sam_12345678_avg_mean vs Slug



Right In: -3.219+/-25.947 χ^2/NDF: 17.8/17

Left Out: 42.012+/-14.181 χ^2/NDF:32.0/24

Right Out: -57.344+/-25.923 χ^2/NDF: 26.2/20

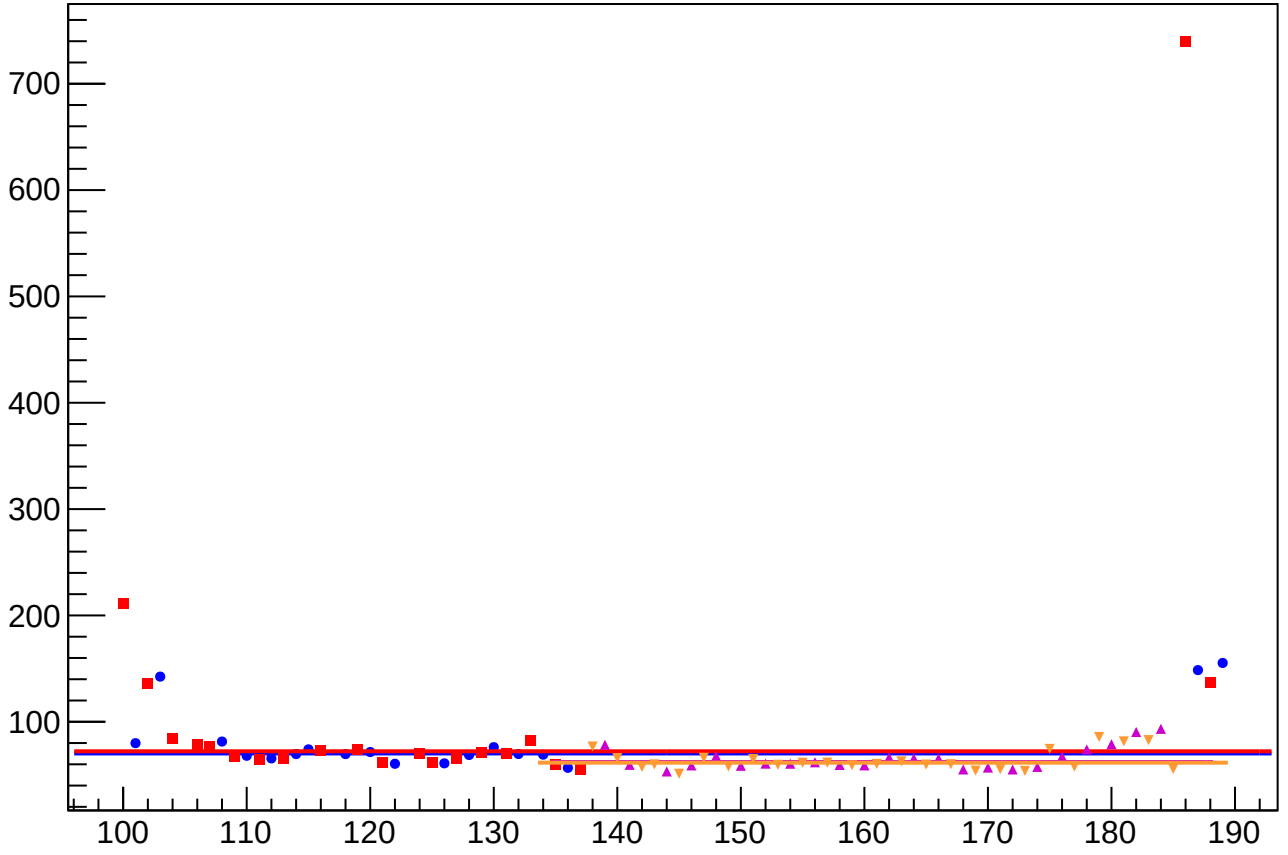
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 31.609+/-12.444 χ^2/NDF: 52.2/42

All: -12.741+/-8.921 χ^2/NDF: 136.7/86

- sign -59.637+/-12.796 χ^2/NDF: 58.4/43

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 70.212+/-0.018 χ^2/NDF: 896246.0/17

Left Out: 61.544+/-0.010 χ^2/NDF:637834.8/24

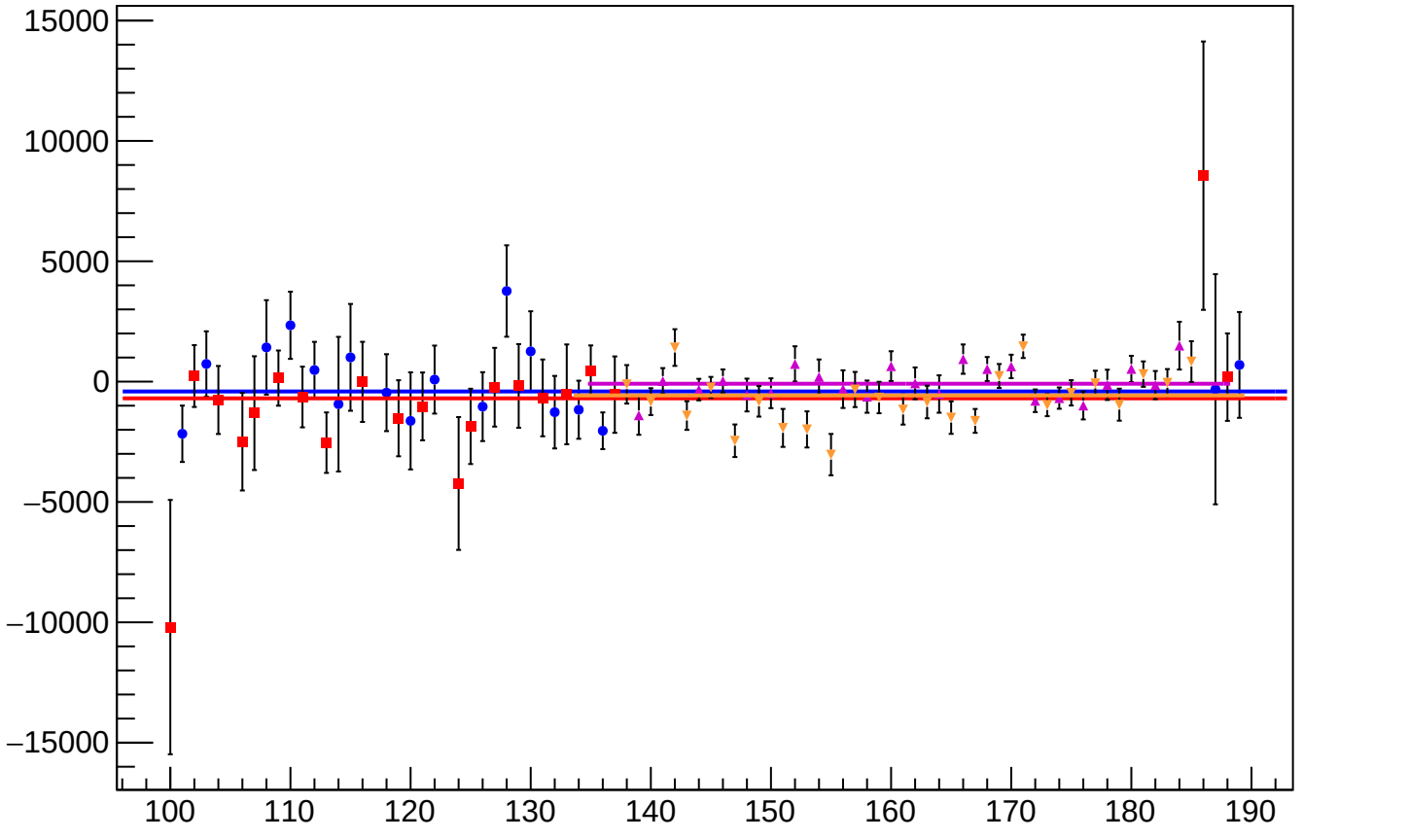
Right Out: 72.246+/-0.018 χ^2/NDF: 1625264.5/20

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 63.538+/-0.009 χ^2/NDF: 1705950.5/42

All: 64.057+/-0.006 χ^2/NDF: 4164808.2/86

- sign 64.606+/-0.009 χ^2/NDF: 2451696.8/43



Right In: -409.179+/-343.674 χ^2/NDF: 20.8/17

Left Out: -574.818+/-119.736 χ^2/NDF:68.8/24

Right Out: -694.962+/-345.901 χ^2/NDF: 14.4/20

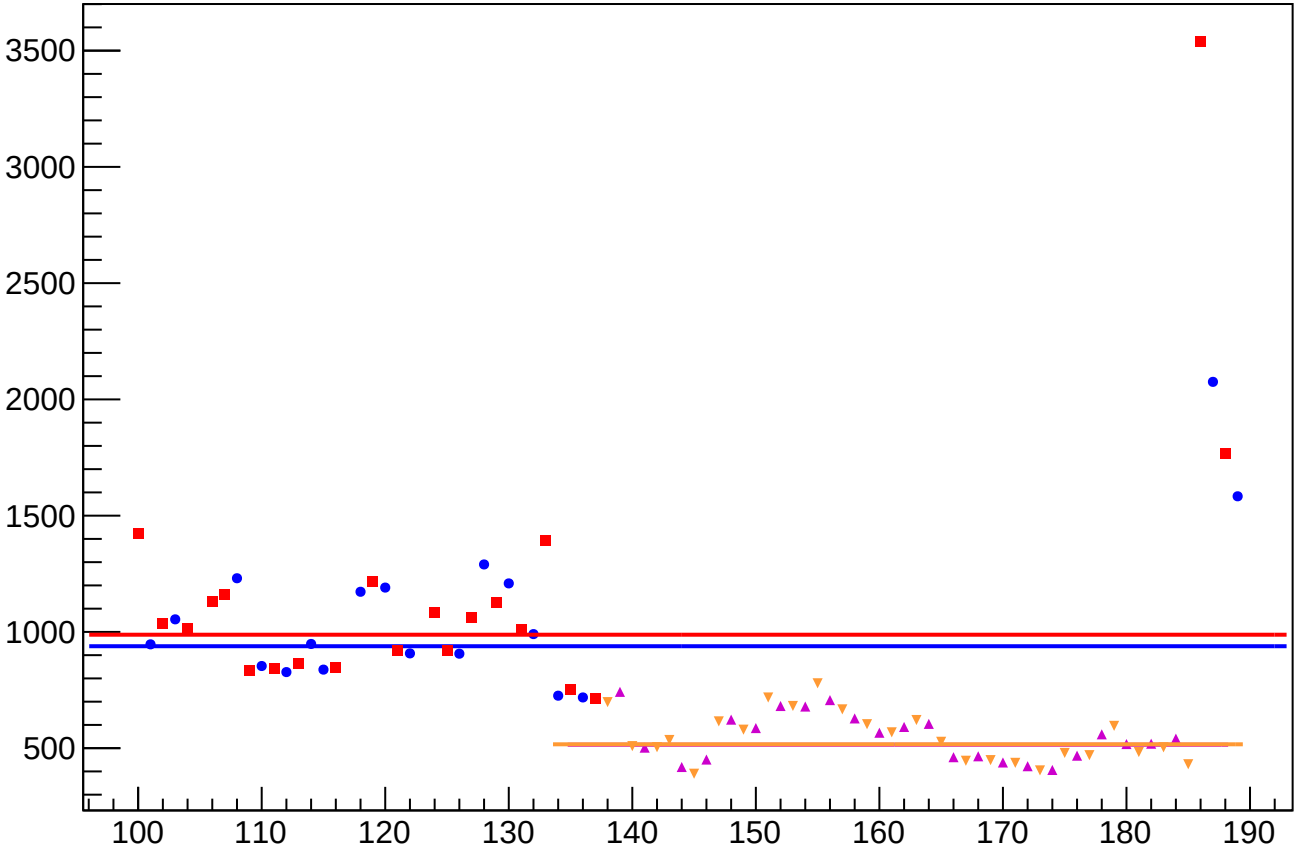
Left In: -88.334+/-122.492 χ^2/NDF:24.6/22

\+ sign -556.888+/-113.070 χ^2/NDF: 89.8/42

All: -360.613+/-80.786 χ^2/NDF: 137.6/86

\- sign -155.931+/-115.466 χ^2/NDF: 41.7/43

asym_sam_12345678_avg_reg_correction_rms vs Slug



Right In: 938.476+/-0.243 χ^2/NDF: 802630.9/17

Left Out: 516.635+/-0.085 χ^2/NDF:1265161.0/24

Right Out: 987.948+/-0.245 χ^2/NDF: 1228586.9/20

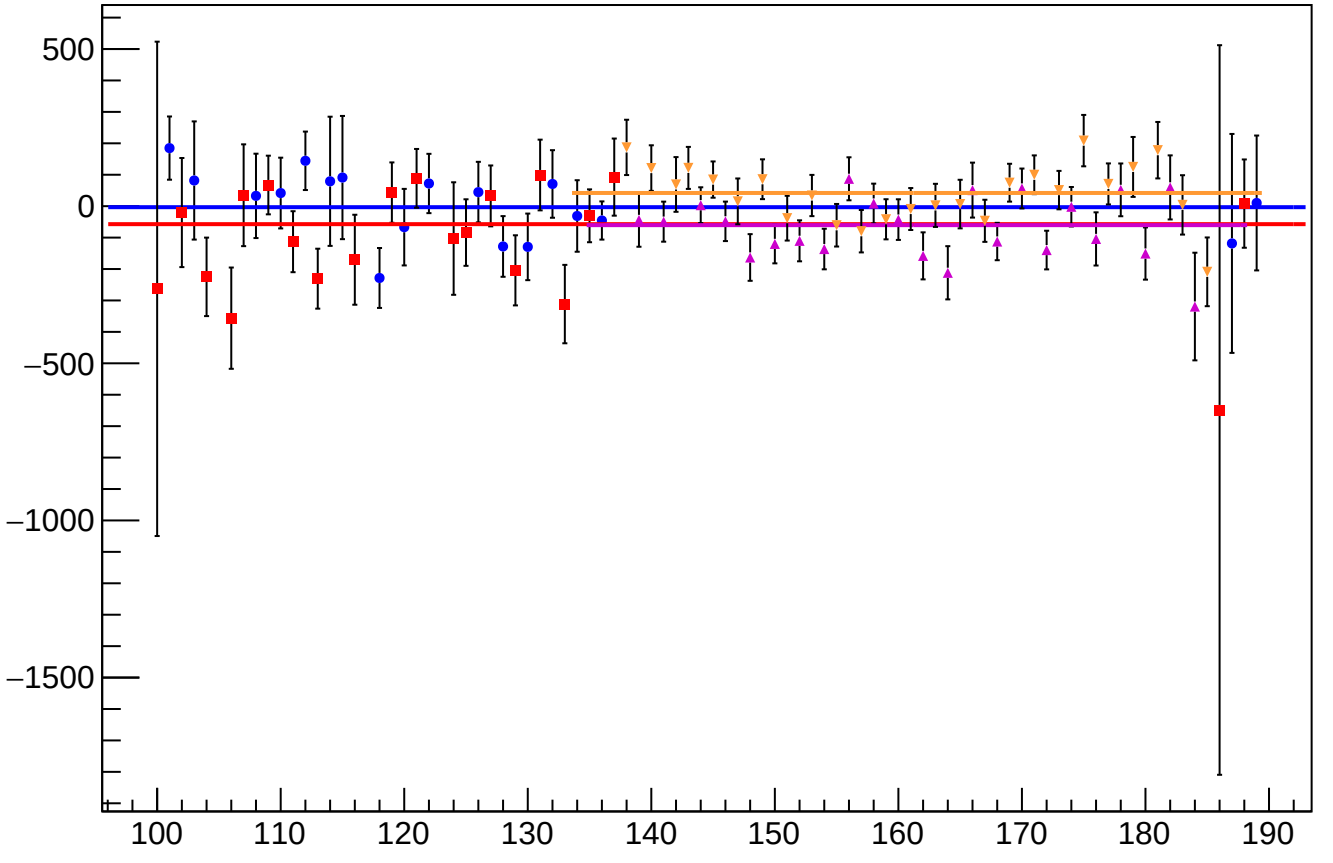
Left In: 514.781+/-0.087 χ^2/NDF:1120436.1/22

+ sign 562.297+/-0.080 χ^2/NDF: 4754870.1/42

All: 564.847+/-0.057 χ^2/NDF: 10431386.5/86

- sign 567.506+/-0.082 χ^2/NDF: 5674438.4/43

cor_asym_sam_12345678_avg_mean vs Slug



Right In: -3.226+/-25.947 χ^2/NDF: 17.8/17

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: -57.225+/-25.924 χ^2/NDF: 26.1/20

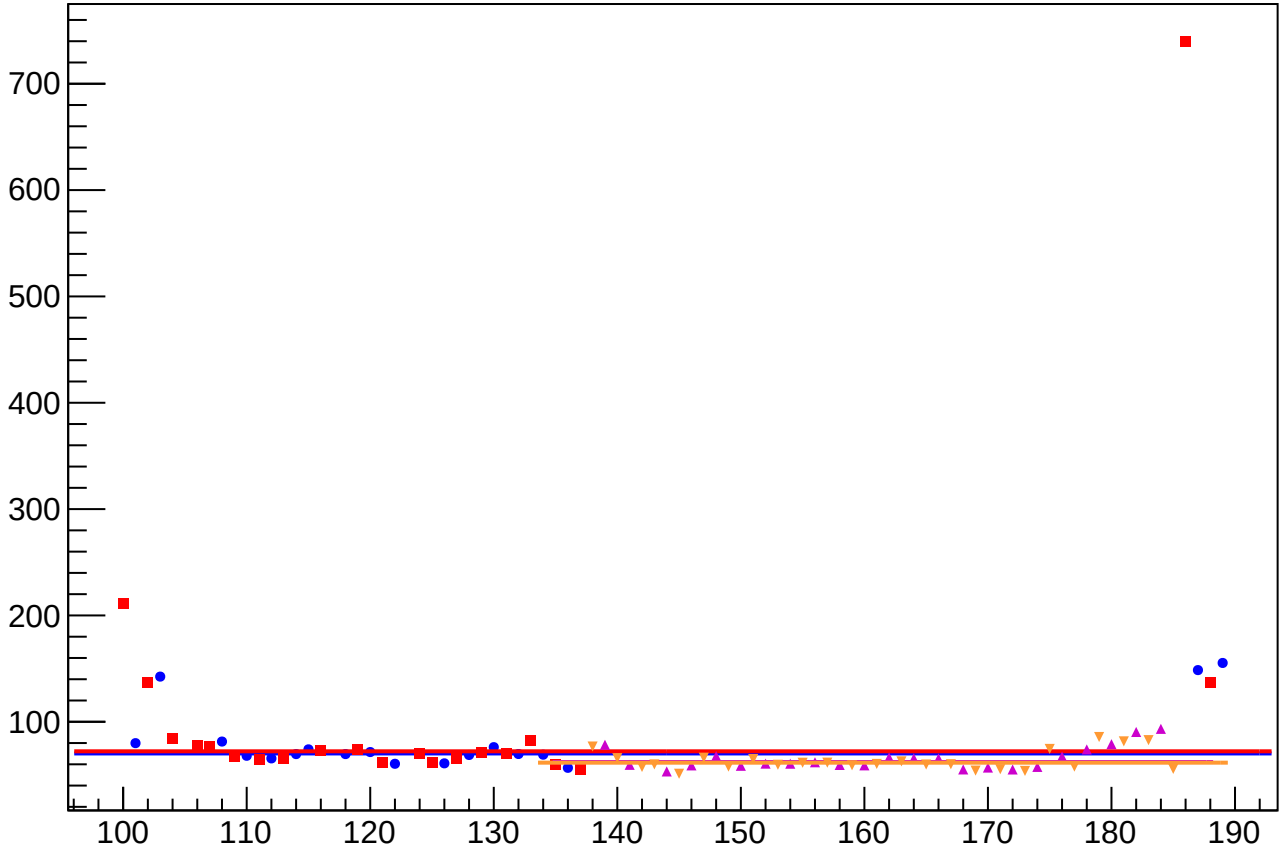
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 31.611+/-12.444 χ^2/NDF: 52.2/42

All: -12.725+/-8.921 χ^2/NDF: 136.6/86

- sign -59.608+/-12.796 χ^2/NDF: 58.3/43

cor_asym_sam_12345678_avg_rms vs Slug



Right In: 70.212+/-0.018 χ^2/NDF: 896249.1/17

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

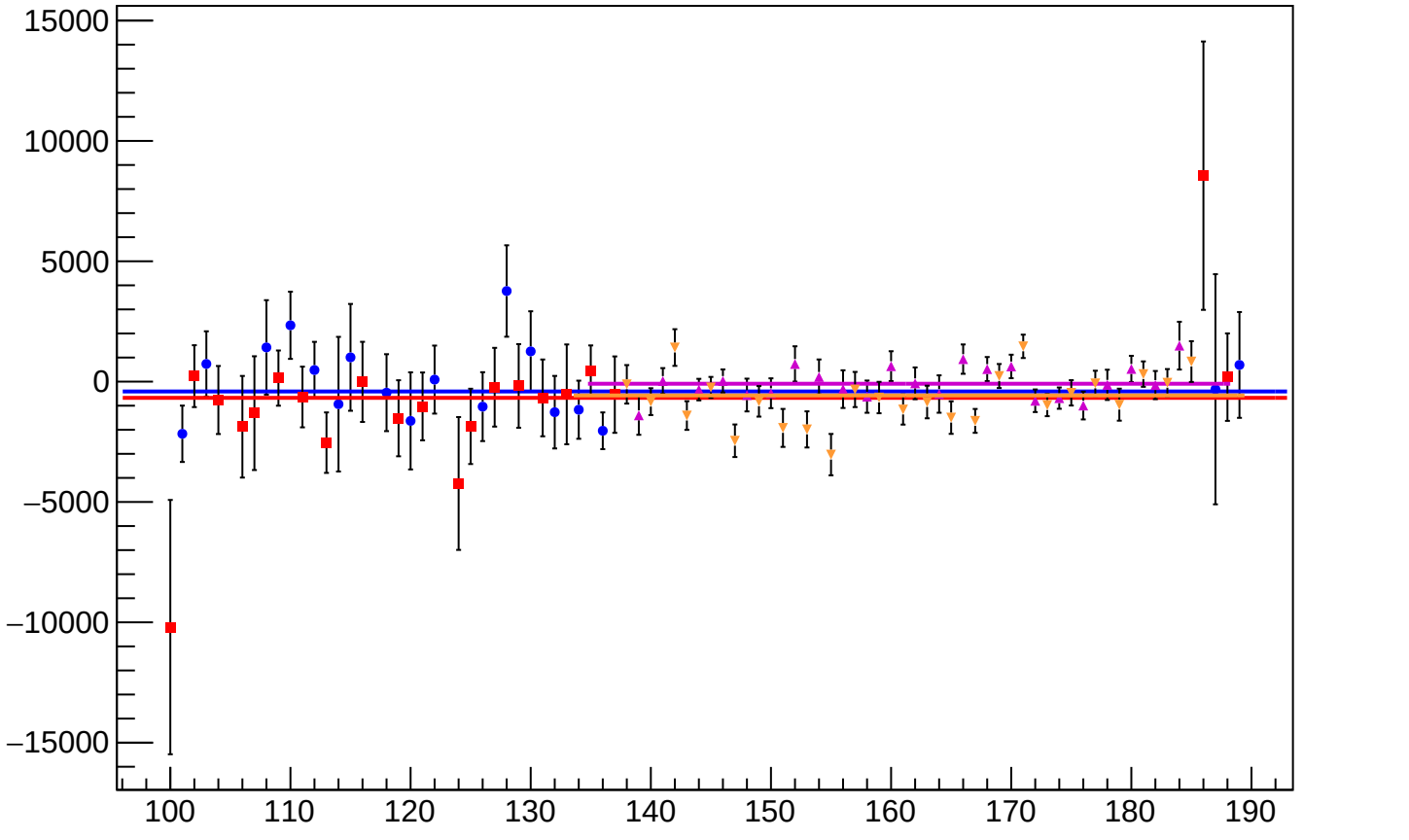
Right Out: 72.227+/-0.018 χ^2/NDF: 1624938.6/20

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 63.538+/-0.009 χ^2/NDF: 1705953.5/42

All: 64.055+/-0.006 χ^2/NDF: 4163574.4/86

- sign 64.601+/-0.009 χ^2/NDF: 2450522.0/43



Right In: -409.149+/-343.675 χ^2/NDF: 20.8/17

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

Right Out: -674.683+/-346.311 χ^2/NDF: 13.9/20

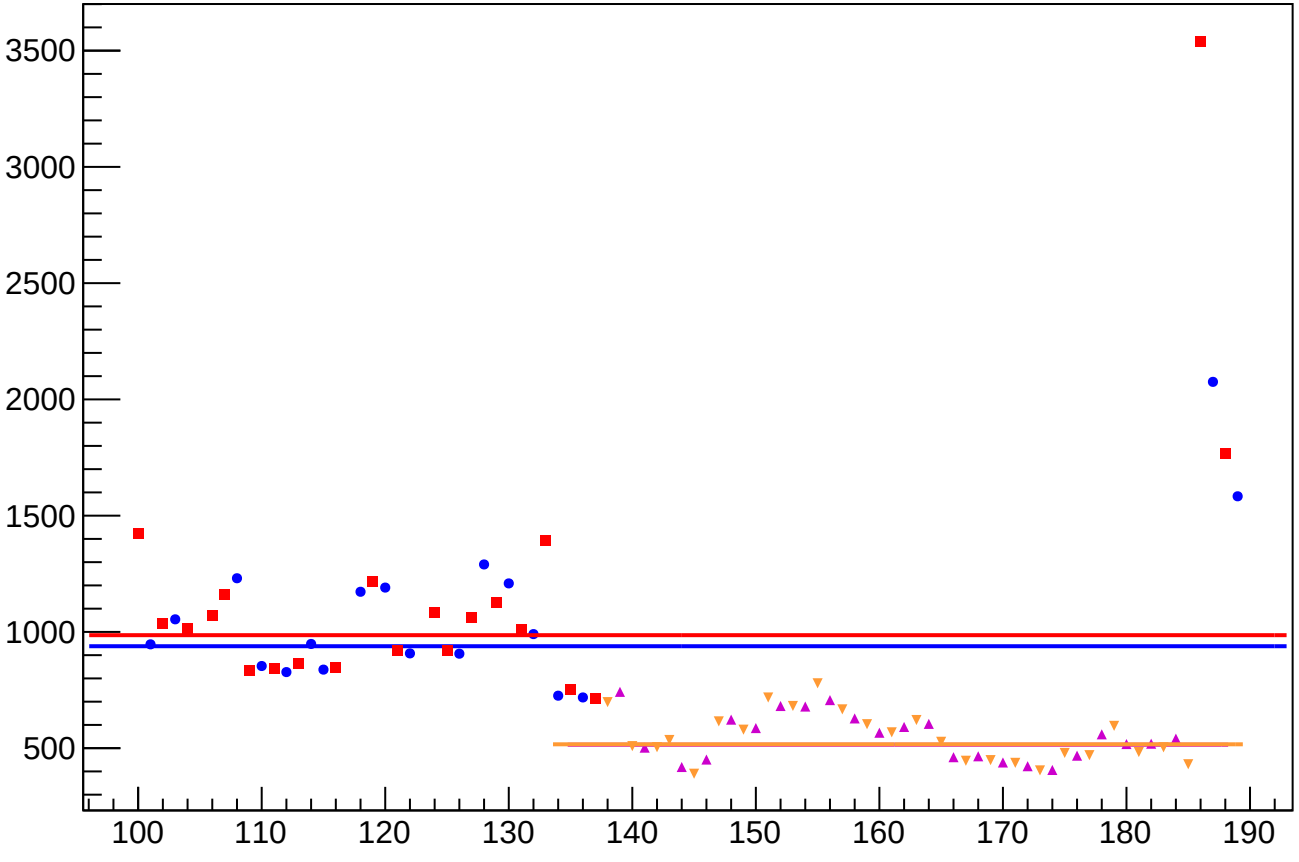
Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

\+ sign -556.879+/-113.070 χ^2/NDF: 89.8/42

All: -359.461+/-80.792 χ^2/NDF: 137.0/86

\- sign -153.533+/-115.481 χ^2/NDF: 41.0/43

asym_sam_12345678_avg_cor_correction_rms vs Slug



Right In: 938.480+/-0.243 χ^2/NDF: 802651.3/17

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

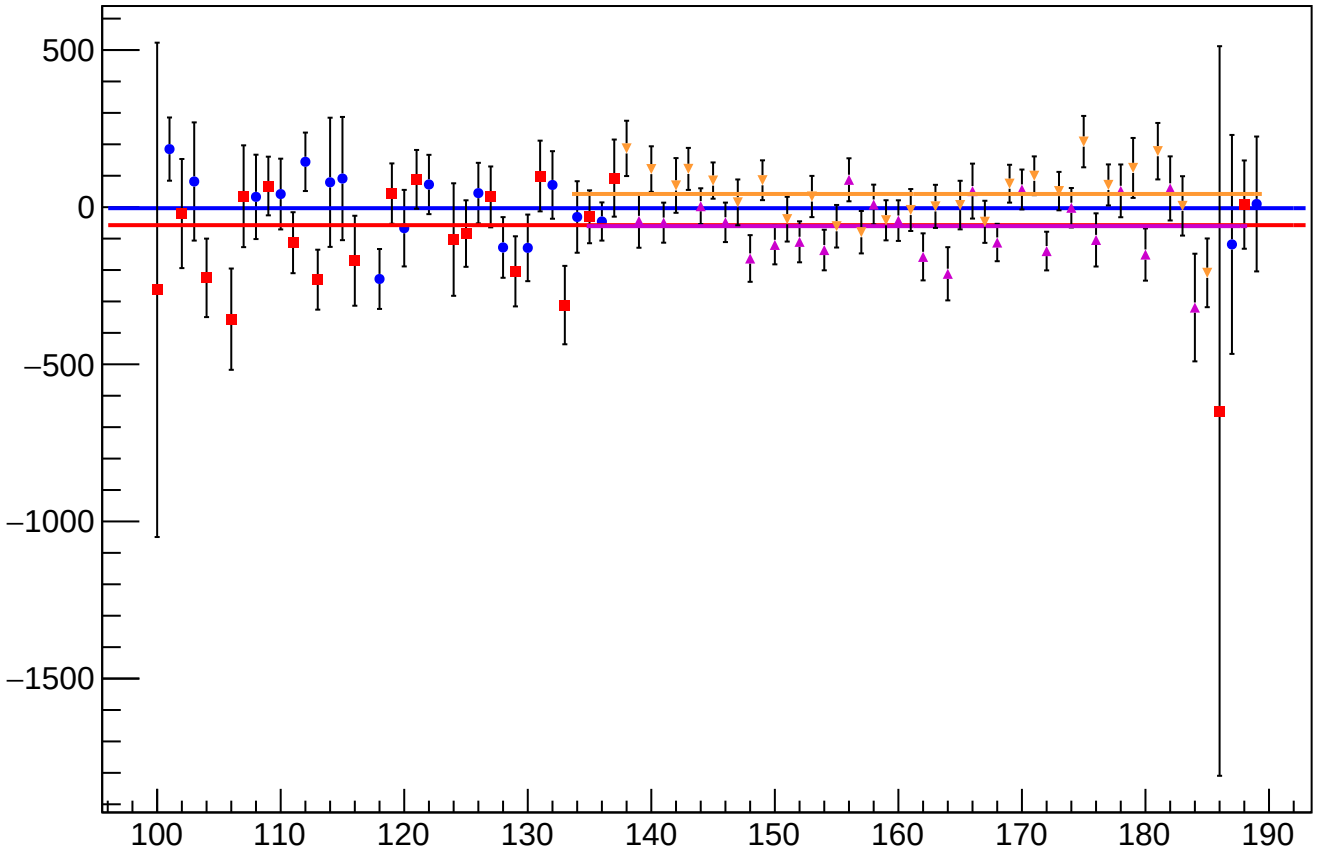
Right Out: 985.985+/-0.245 χ^2/NDF: 1221476.7/20

Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

+ sign 562.297+/-0.080 χ^2/NDF: 4754920.0/42

All: 564.686+/-0.057 χ^2/NDF: 10389606.4/86

- sign 567.177+/-0.082 χ^2/NDF: 5632862.7/43



Right In: -3.226+/-25.947 χ^2/NDF: 17.8/17

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: -57.225+/-25.924 χ^2/NDF: 26.1/20

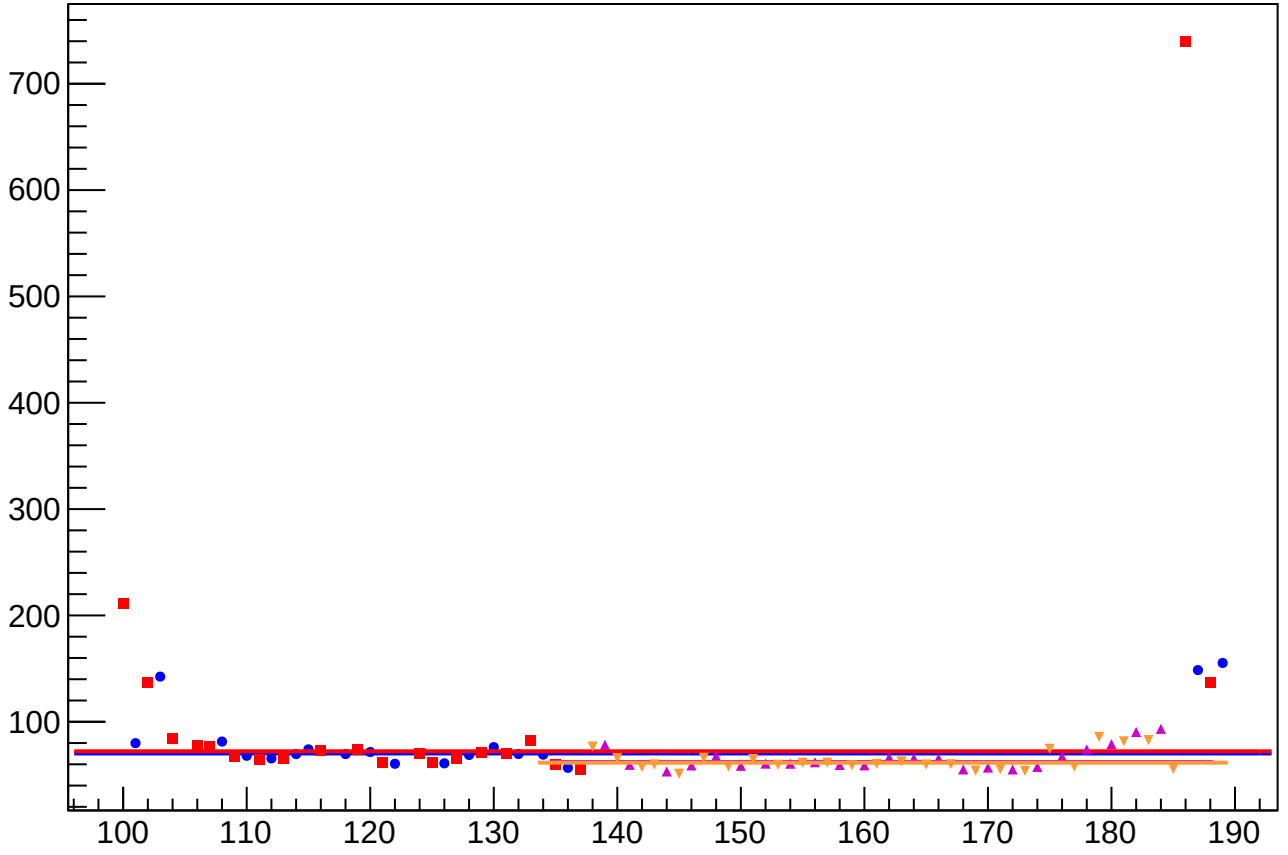
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 31.611+/-12.444 χ^2/NDF: 52.2/42

All: -12.725+/-8.921 χ^2/NDF: 136.6/86

- sign -59.608+/-12.796 χ^2/NDF: 58.3/43

eigen_cor_asym_sam_12345678_avg_rms vs Slug



Right In: 70.212+/-0.018 χ^2/NDF: 896249.1/17

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

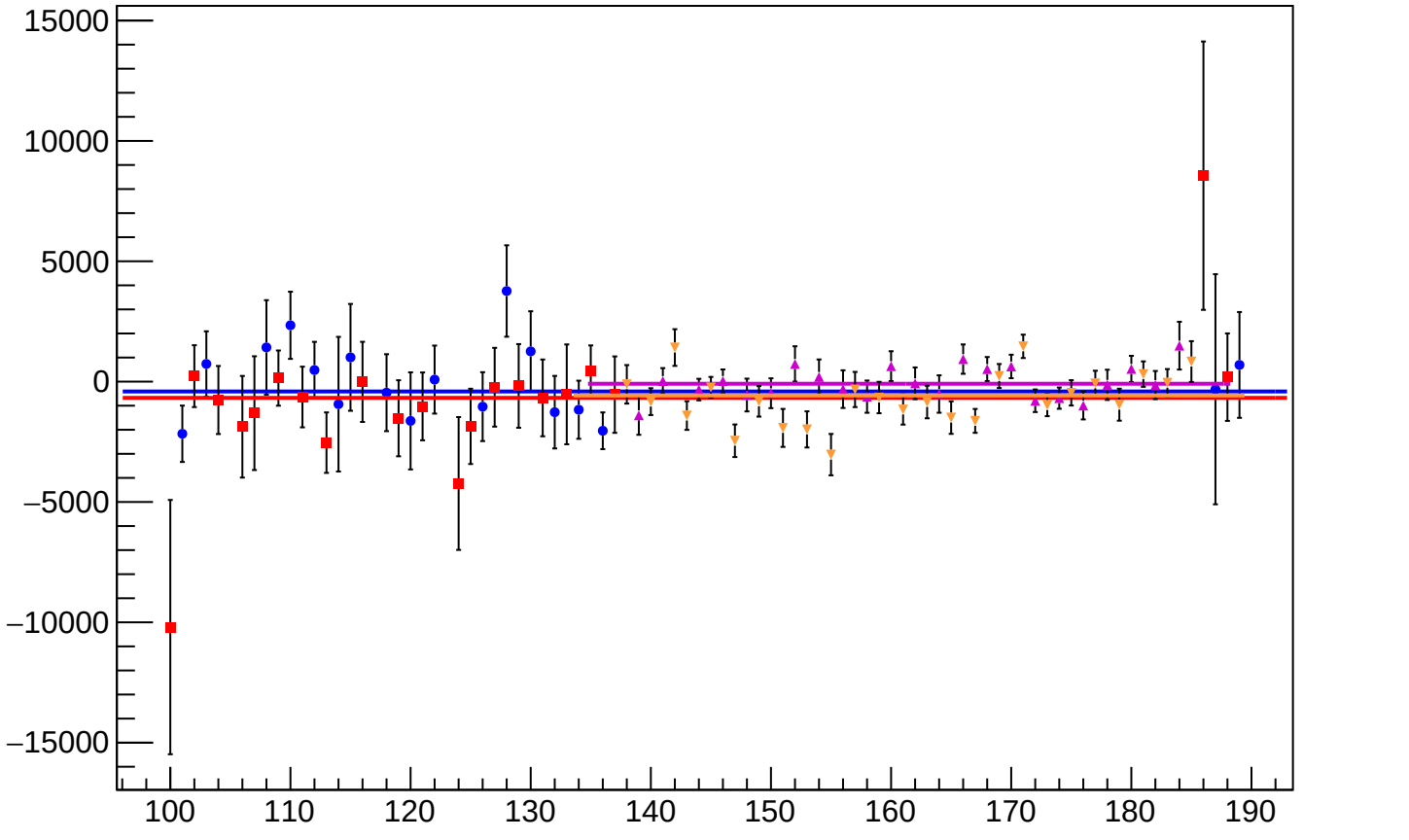
Right Out: 72.227+/-0.018 χ^2/NDF: 1624938.6/20

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 63.538+/-0.009 χ^2/NDF: 1705953.5/42

All: 64.055+/-0.006 χ^2/NDF: 4163574.4/86

- sign 64.601+/-0.009 χ^2/NDF: 2450522.0/43



Right In: -409.149+/-343.675 χ^2/NDF: 20.8/17

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

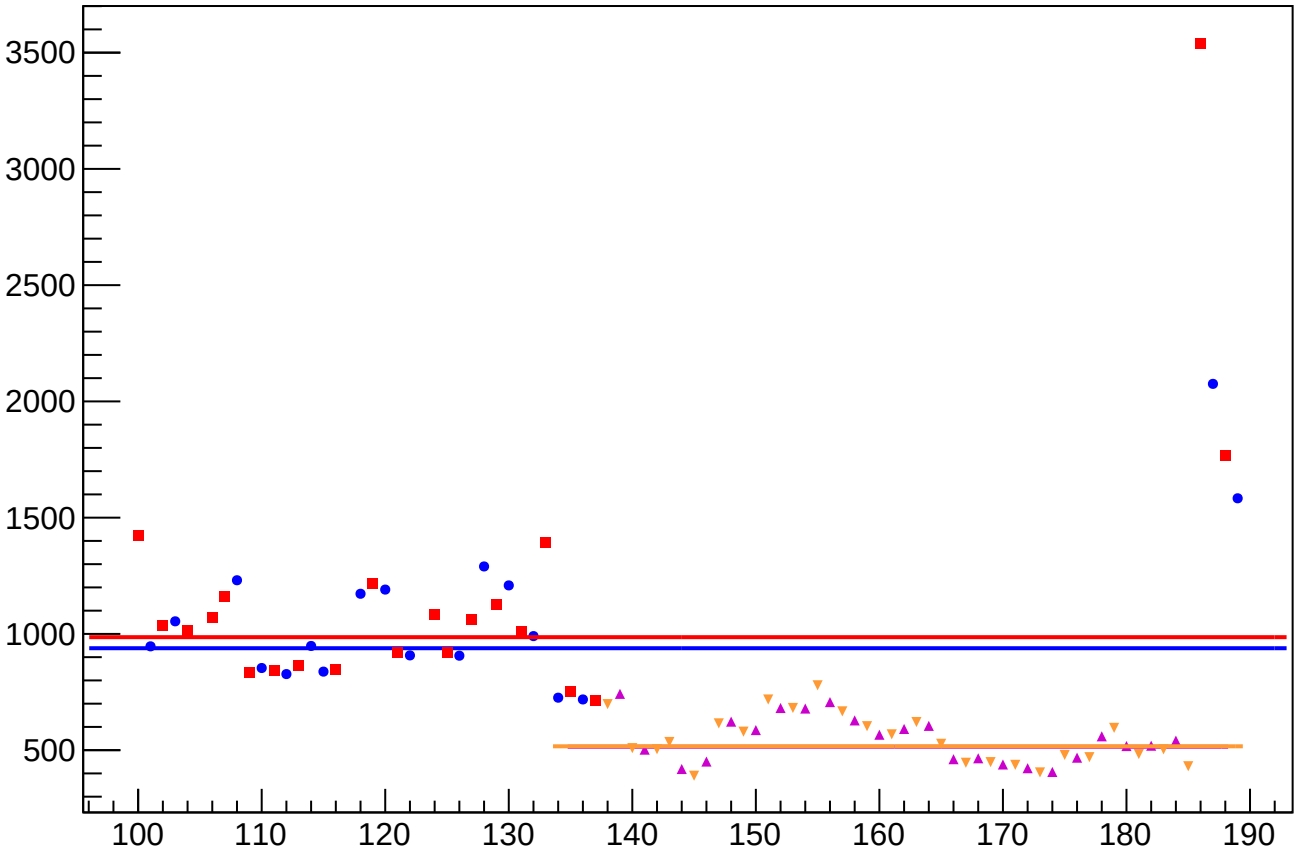
Right Out: -674.683+/-346.311 χ^2/NDF: 13.9/20

Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

\+ sign -556.879+/-113.070 χ^2/NDF: 89.8/42

All: -359.461+/-80.792 χ^2/NDF: 137.0/86

\- sign -153.533+/-115.481 χ^2/NDF: 41.0/43



Right In: 938.480+/-0.243 χ^2/NDF: 802651.3/17

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 985.985+/-0.245 χ^2/NDF: 1221476.7/20

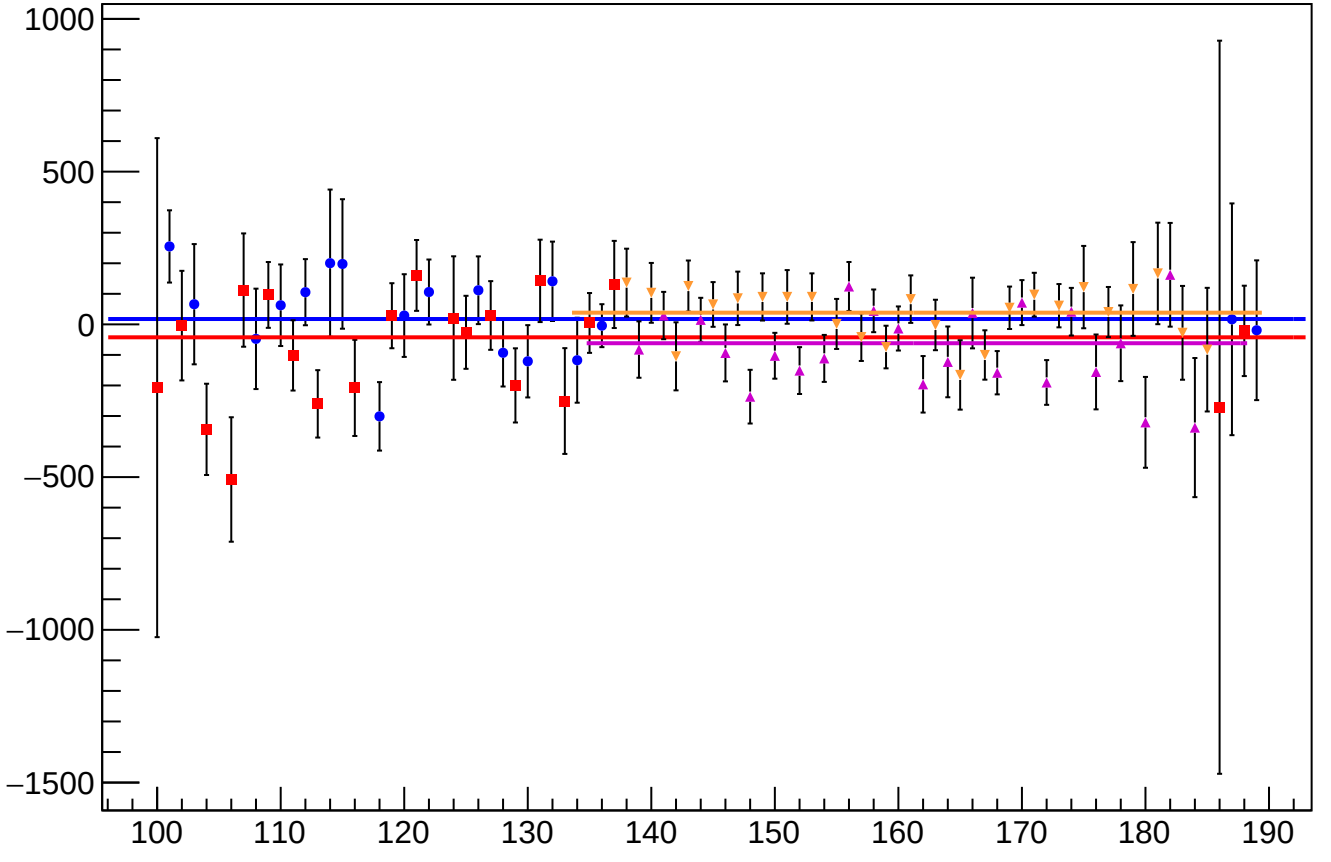
Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

+ sign 562.297+/-0.080 χ^2/NDF: 4754920.0/42

All: 564.686+/-0.057 χ^2/NDF: 10389606.4/86

- sign 567.177+/-0.082 χ^2/NDF: 5632862.7/43

dit_asym_sam_12345678_avg_mean vs Slug



Right In: 17.523+/-29.989 χ^2/NDF: 20.2/17

Left Out: 38.281+/-17.669 χ^2/NDF:18.8/24

Right Out: -42.388+/-30.057 χ^2/NDF: 27.8/20

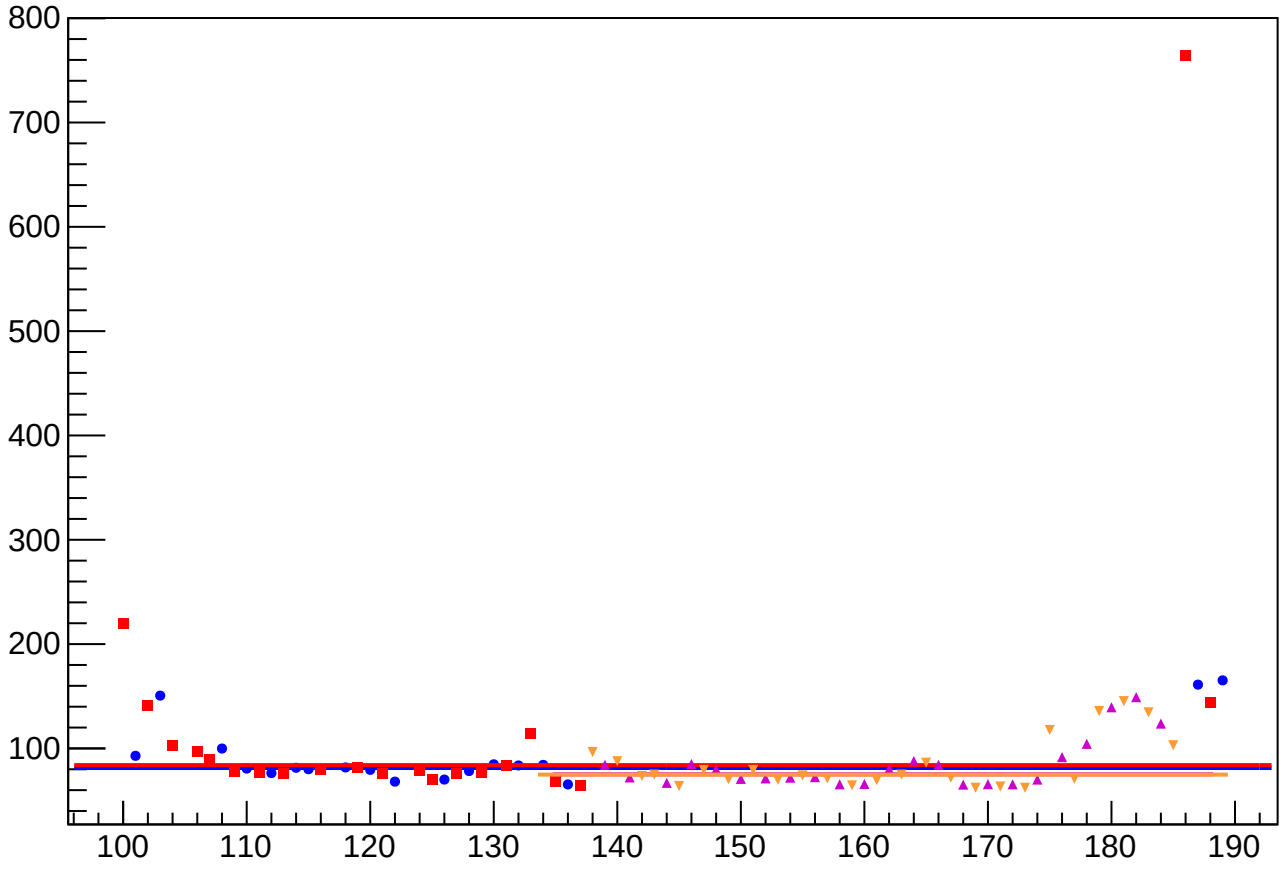
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 32.932+/-15.223 χ^2/NDF: 39.3/42

All: -10.817+/-10.883 χ^2/NDF: 121.0/86

- sign -56.540+/-15.563 χ^2/NDF: 64.8/43

dit_asym_sam_12345678_avg_rms vs Slug



Right In: 81.252+/-0.021 χ^2/NDF: 811828.5/17

Left Out: 74.903+/-0.012 χ^2/NDF:1661552.1/24

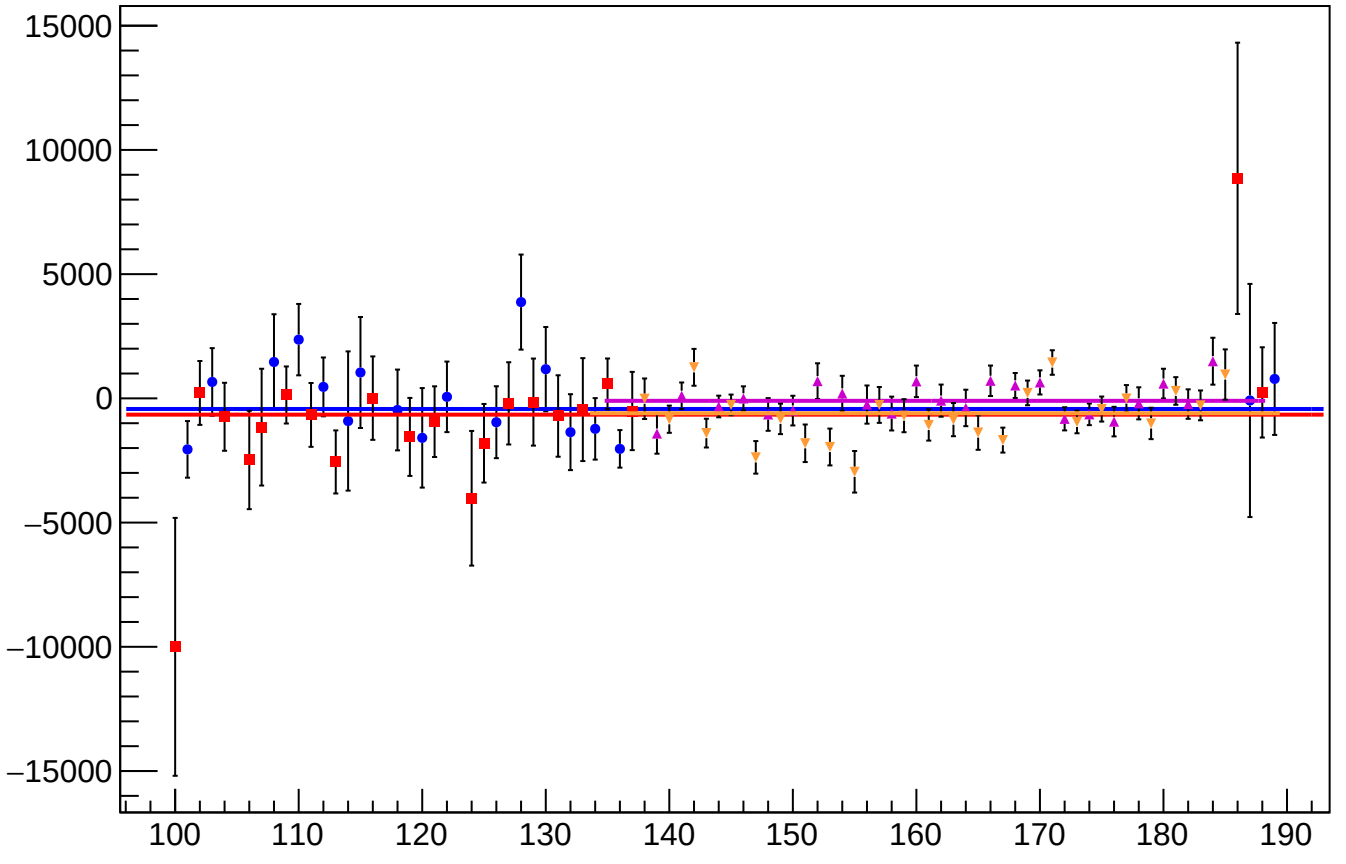
Right Out: 83.994+/-0.021 χ^2/NDF: 1506473.6/20

Left In: 75.156+/-0.013 χ^2/NDF:1312543.0/22

+ sign 76.539+/-0.011 χ^2/NDF: 2539933.0/42

All: 77.021+/-0.008 χ^2/NDF: 5489614.5/86

- sign 77.525+/-0.011 χ^2/NDF: 2945578.3/43



Right In: -427.023+/-344.990 χ^2/NDF: 20.6/17

Left Out: -598.826+/-119.324 χ^2/NDF:65.0/24

Right Out: -655.356+/-345.420 χ^2/NDF: 14.8/20

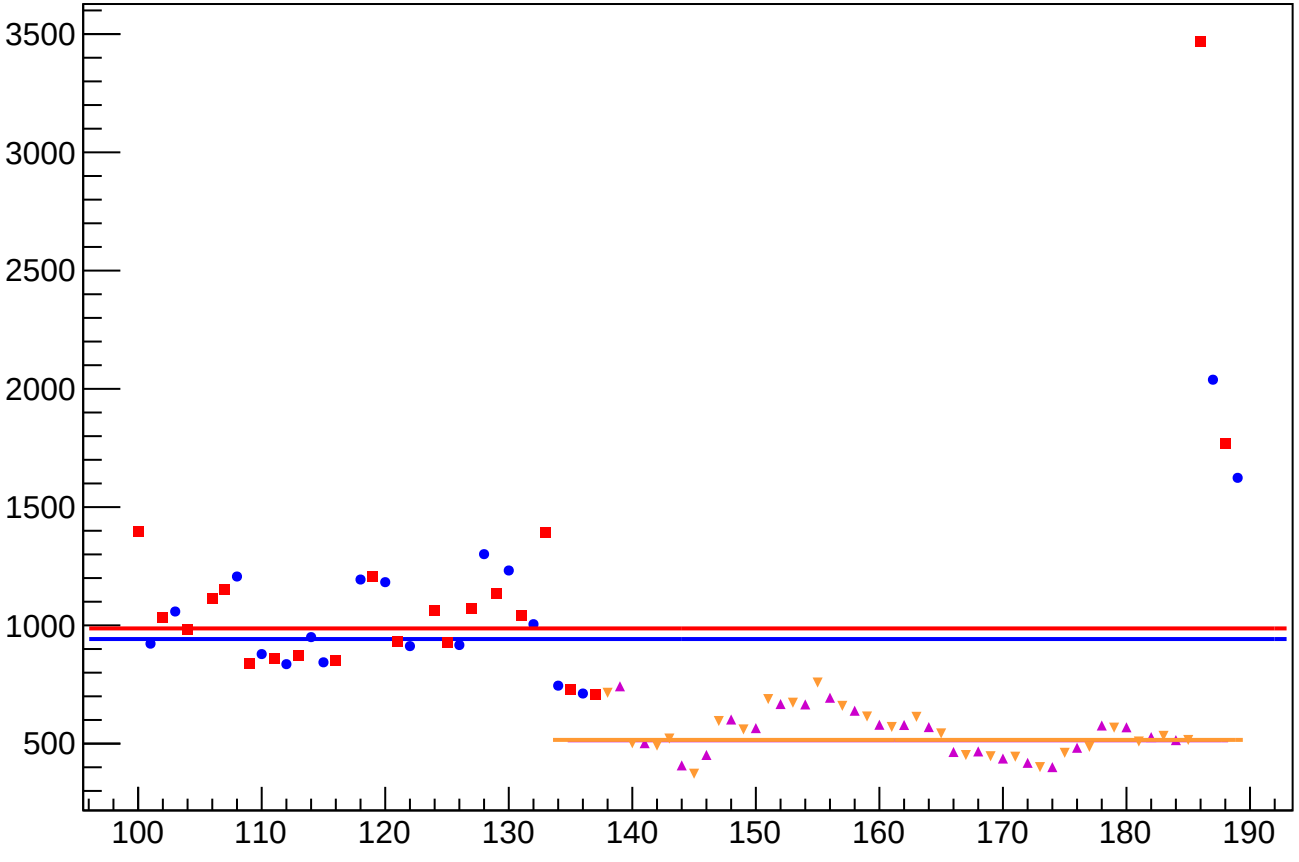
Left In: -99.102+/-122.310 χ^2/NDF:23.7/22

+ sign -580.470+/-112.769 χ^2/NDF: 85.8/42

All: -375.419+/-80.618 χ^2/NDF: 133.5/86

- sign -161.075+/-115.296 χ^2/NDF: 40.8/43

asym_sam_12345678_avg_dit_correction_rms vs Slug



Right In: 942.189+/-0.244 χ^2/NDF: 815912.7/17

Left Out: 515.762+/-0.084 χ^2/NDF:1232478.6/24

Right Out: 987.093+/-0.244 χ^2/NDF: 1235064.2/20

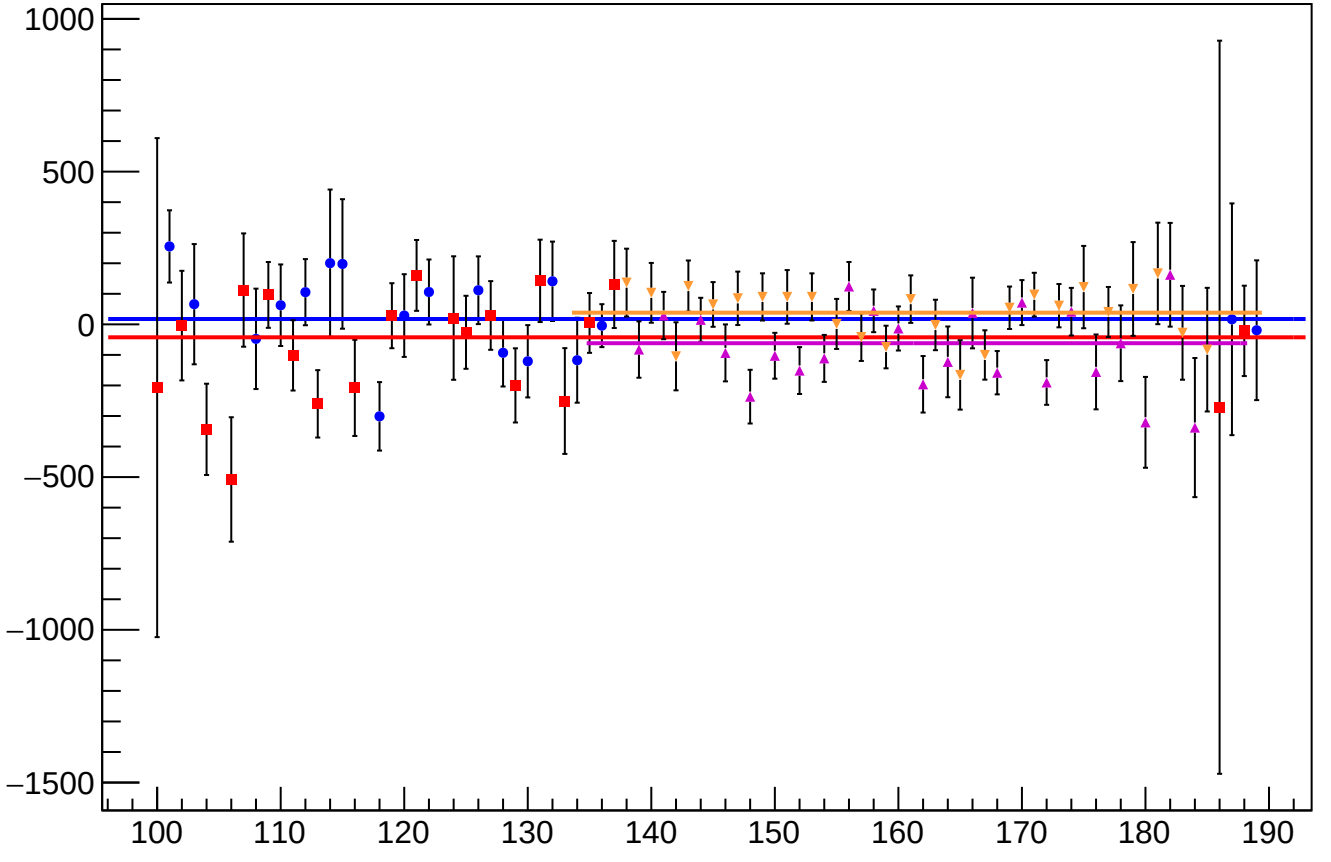
Left In: 514.088+/-0.086 χ^2/NDF:1116884.3/22

+ sign 561.325+/-0.080 χ^2/NDF: 4777578.7/42

All: 563.995+/-0.057 χ^2/NDF: 10464290.6/86

- sign 566.786+/-0.082 χ^2/NDF: 5684418.3/43

eigen_dit_asym_sam_12345678_avg_mean vs Slug



Right In: 17.523+/-29.989 χ^2/NDF: 20.2/17

Left Out: 38.282+/-17.670 χ^2/NDF:18.8/24

Right Out: -42.387+/-30.057 χ^2/NDF: 27.8/20

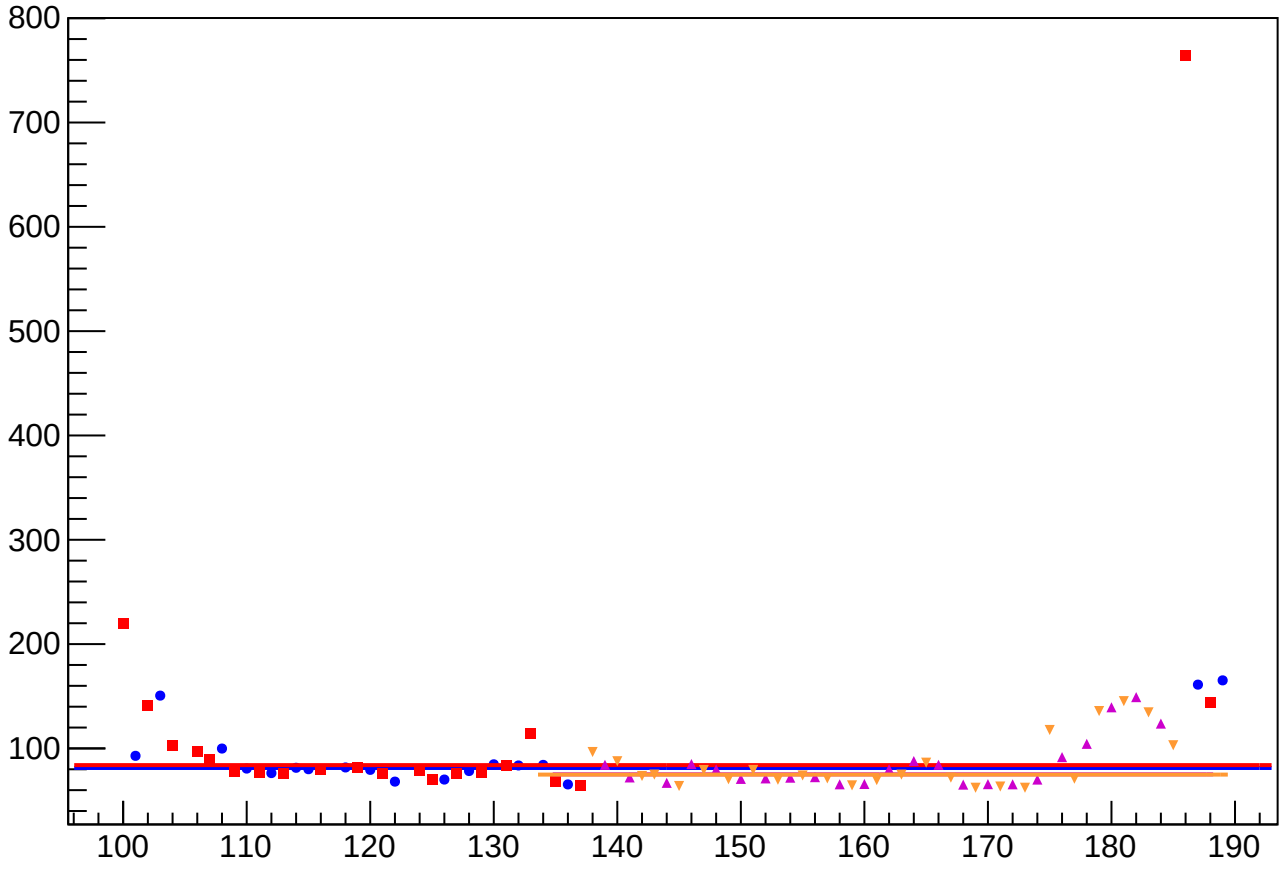
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 32.932+/-15.224 χ^2/NDF: 39.3/42

All: -10.817+/-10.883 χ^2/NDF: 121.0/86

- sign -56.539+/-15.563 χ^2/NDF: 64.8/43

eigen_dit_asym_sam_12345678_avg_rms vs Slug



Right In: 81.252+/-0.021 χ^2/NDF: 811828.6/17

Left Out: 74.903+/-0.012 χ^2/NDF:1661550.3/24

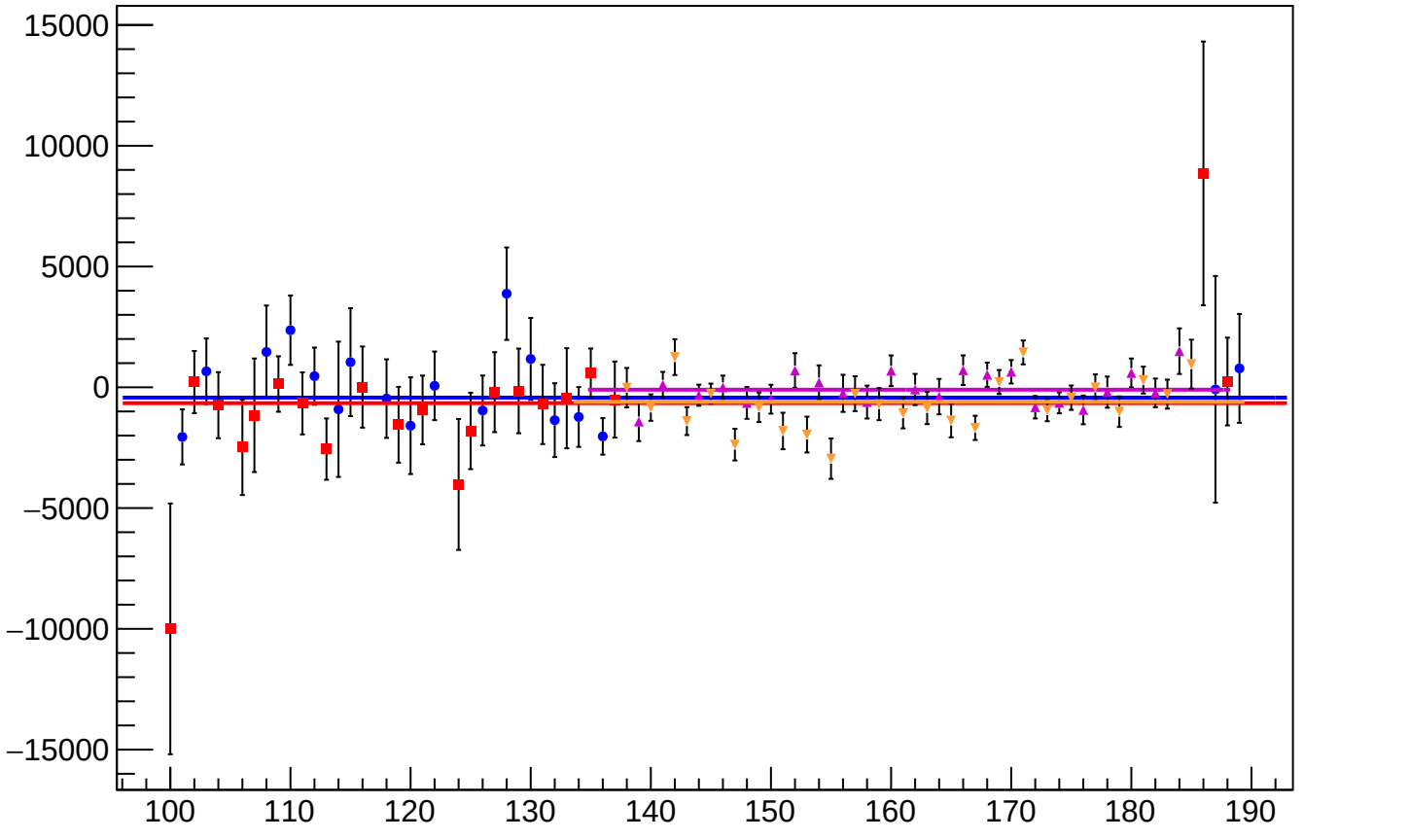
Right Out: 83.993+/-0.021 χ^2/NDF: 1506488.6/20

Left In: 75.156+/-0.013 χ^2/NDF:1312527.7/22

+ sign 76.539+/-0.011 χ^2/NDF: 2539921.7/42

All: 77.021+/-0.008 χ^2/NDF: 5489590.7/86

- sign 77.525+/-0.011 χ^2/NDF: 2945565.5/43



Right In: -427.020+/-344.989 χ^2/NDF: 20.6/17

Left Out: -598.825+/-119.324 χ^2/NDF:65.0/24

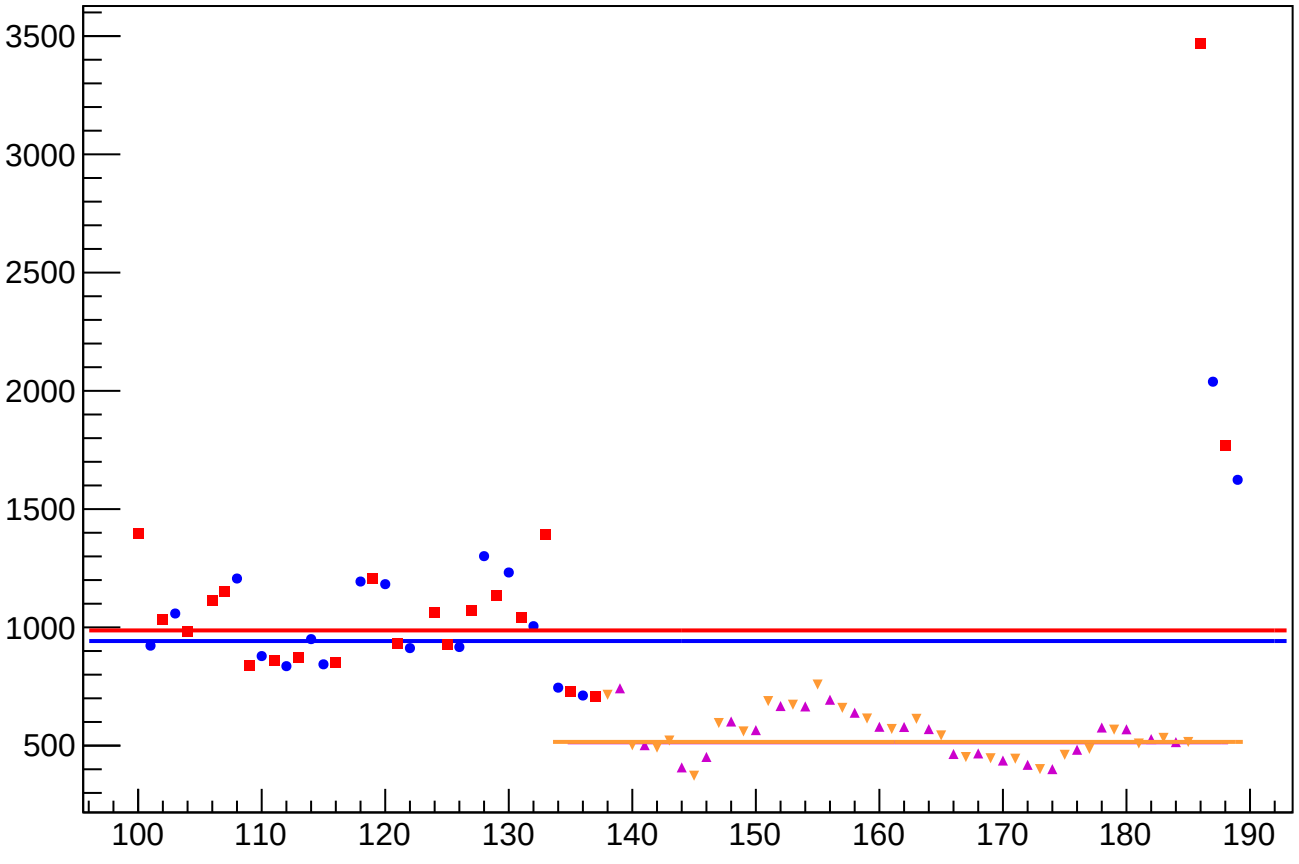
Right Out: -655.355+/-345.420 χ^2/NDF: 14.8/20

Left In: -99.101+/-122.310 χ^2/NDF:23.7/22

+ sign -580.468+/-112.769 χ^2/NDF: 85.8/42

All: -375.418+/-80.618 χ^2/NDF: 133.5/86

- sign -161.075+/-115.296 χ^2/NDF: 40.8/43



Right In: 942.187+/-0.244 χ^2/NDF: 815913.6/17

Left Out: 515.761+/-0.084 χ^2/NDF:1232481.1/24

Right Out: 987.090+/-0.244 χ^2/NDF: 1235065.6/20

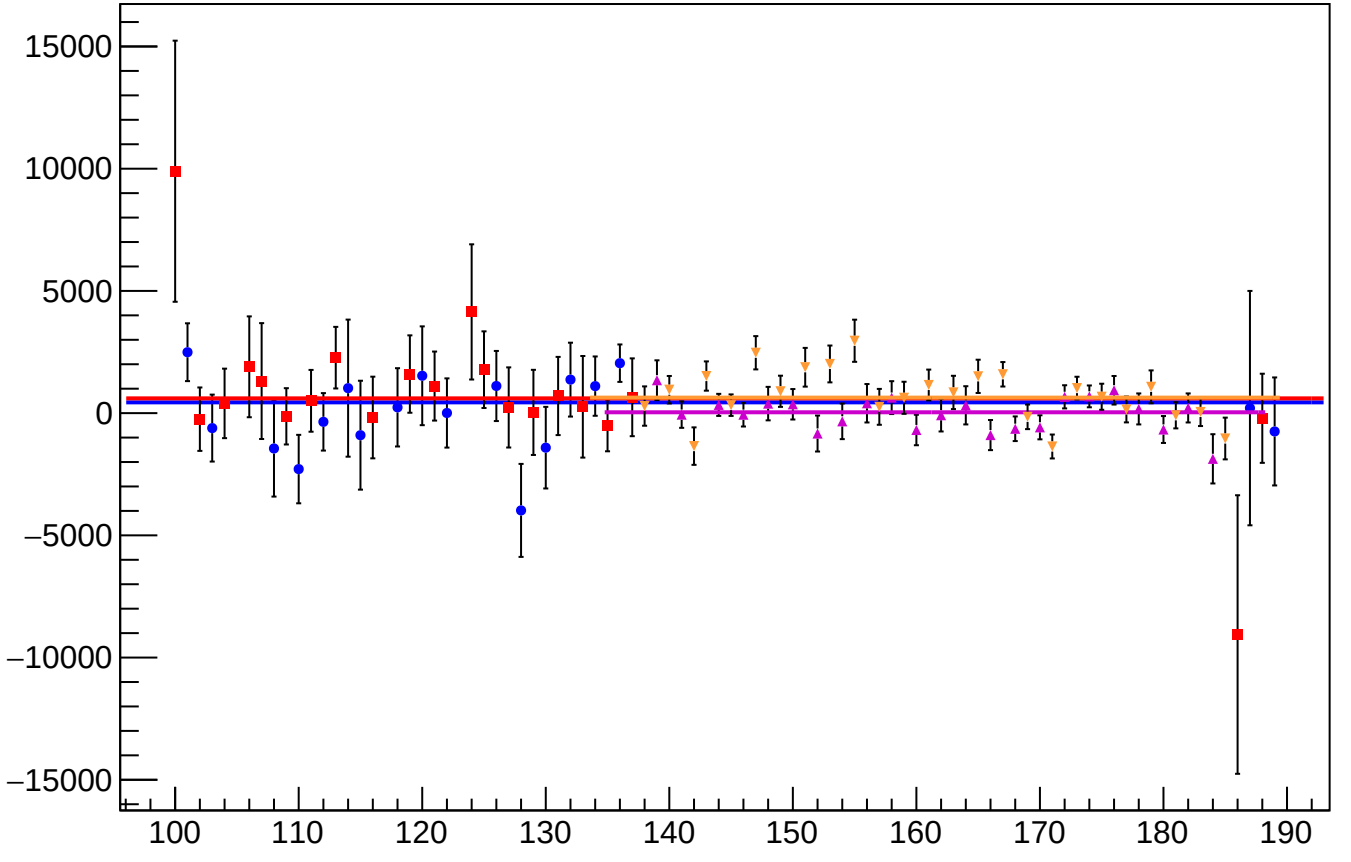
Left In: 514.087+/-0.086 χ^2/NDF:1116882.7/22

+ sign 561.324+/-0.080 χ^2/NDF: 4777579.4/42

All: 563.994+/-0.057 χ^2/NDF: 10464285.7/86

- sign 566.785+/-0.082 χ^2/NDF: 5684412.6/43

asym_sam_12345678_avg_mean vs Slug



Right In: 440.825+/-345.153 χ^2/NDF: 21.8/17

Left Out: 634.783+/-120.717 χ^2/NDF:64.5/24

Right Out: 604.313+/-347.347 χ^2/NDF: 13.4/20

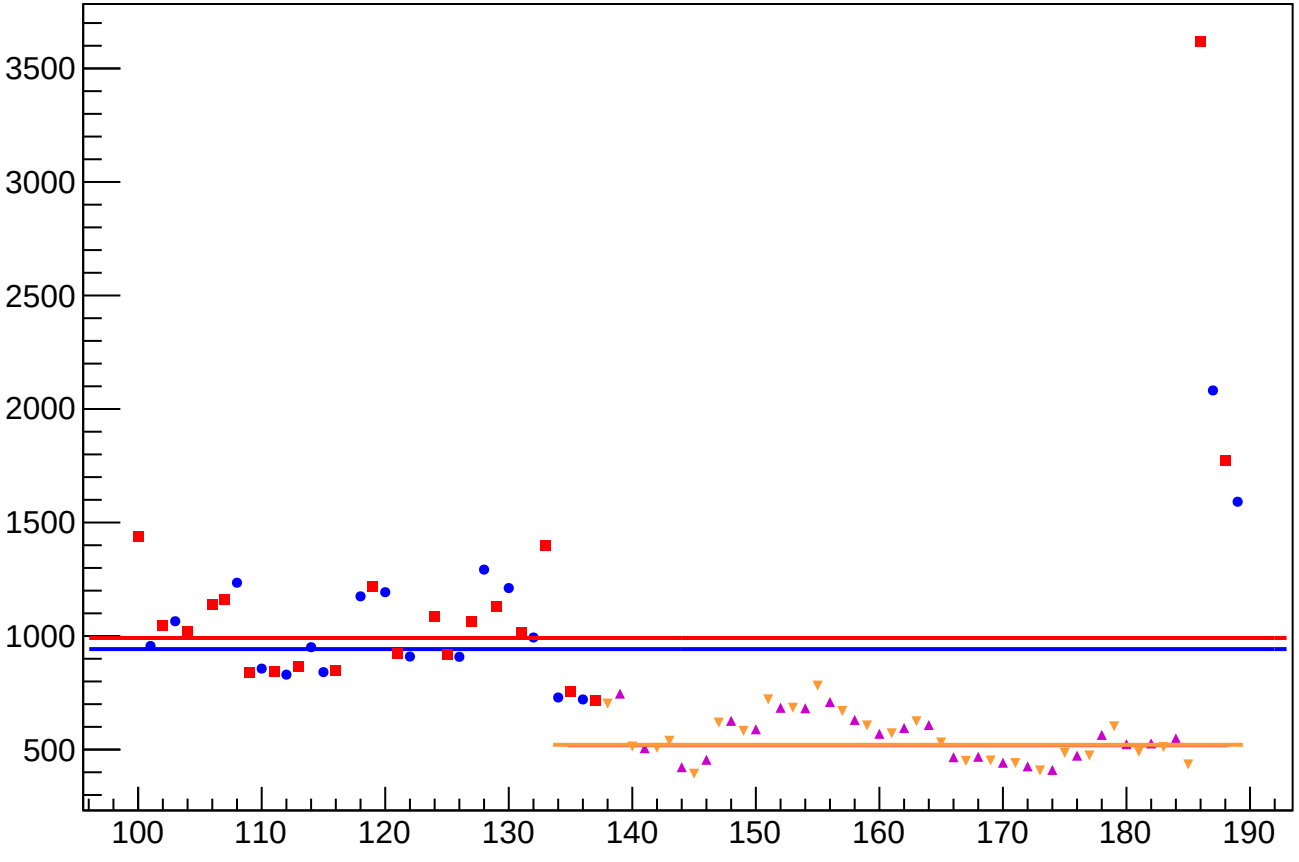
Left In: 34.808+/-123.517 χ^2/NDF:25.1/22

+ sign 613.643+/-113.949 χ^2/NDF: 86.6/42

All: 361.622+/-81.419 χ^2/NDF: 137.5/86

- sign 98.739+/-116.378 χ^2/NDF: 40.9/43

asym_sam_12345678_avg_rms vs Slug



Right In: 942.537+/-0.244 χ^2/NDF: 802432.9/17

Left Out: 521.025+/-0.085 χ^2/NDF:1243003.9/24

Right Out: 991.521+/-0.246 χ^2/NDF: 1235782.8/20

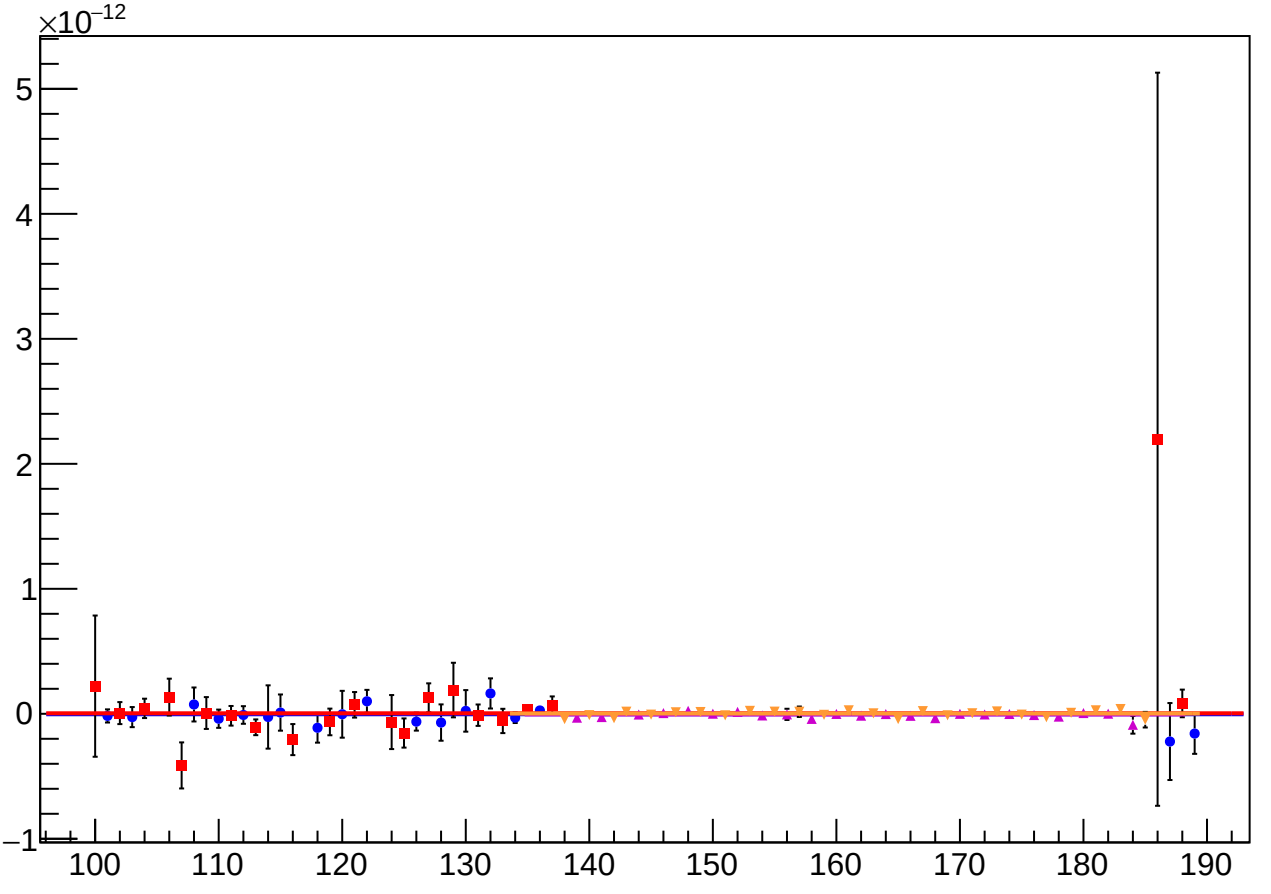
Left In: 519.239+/-0.087 χ^2/NDF:1100553.3/22

+ sign 566.967+/-0.081 χ^2/NDF: 4703155.7/42

All: 569.556+/-0.058 χ^2/NDF: 10324005.3/86

- sign 572.257+/-0.082 χ^2/NDF: 5618739.8/43

asym_sam_12345678_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 8.5/17

Left Out: 0.000+/-0.000 χ^2/NDF:22.4/24

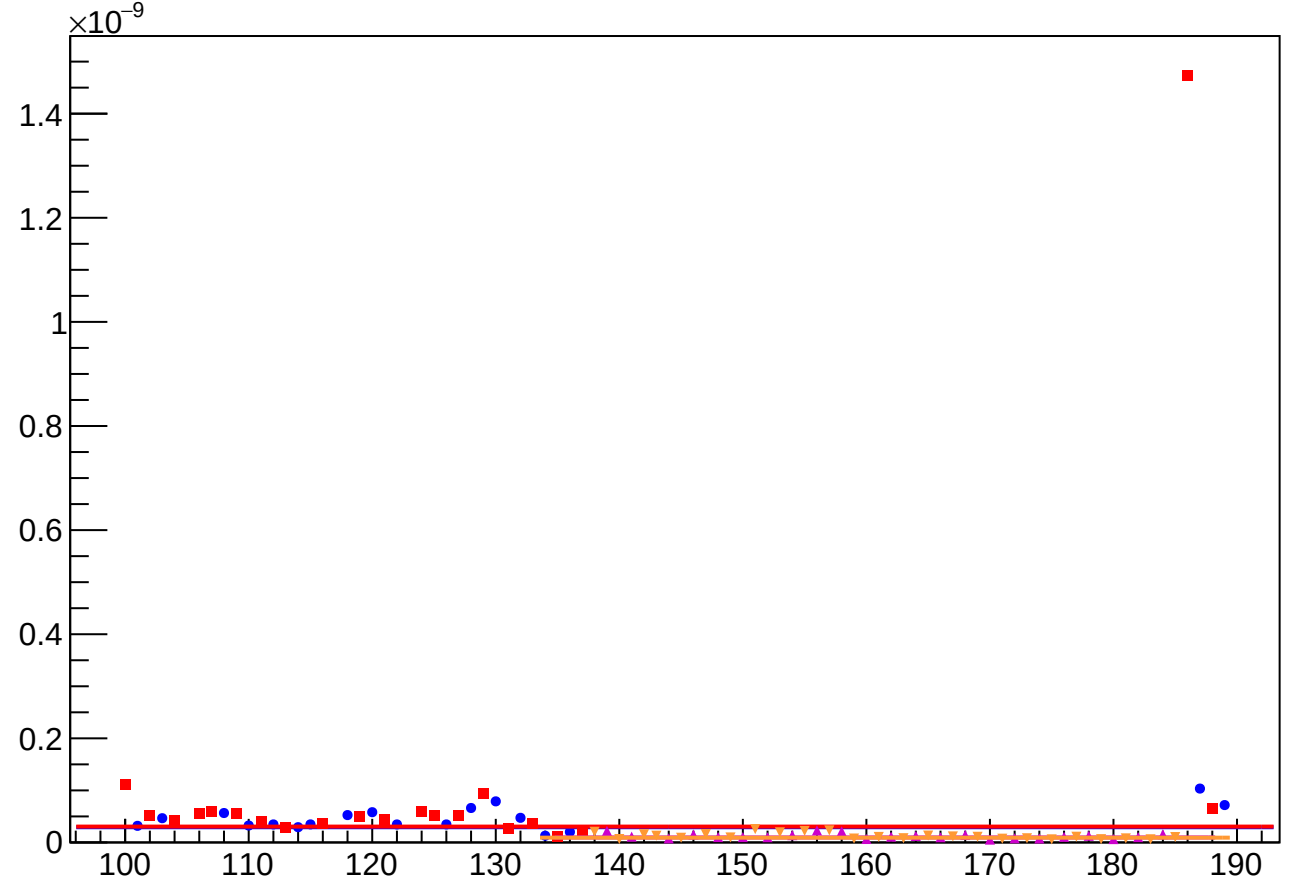
Right Out: 0.000+/-0.000 χ^2/NDF: 20.5/20

Left In: -0.000+/-0.000 χ^2/NDF:10.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 31.0/42

All: -0.000+/-0.000 χ^2/NDF: 64.0/86

- sign -0.000+/-0.000 χ^2/NDF: 31.5/43



Right In: 0.000+/-0.000 χ^2/NDF: 1409847.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:2137290.7/24

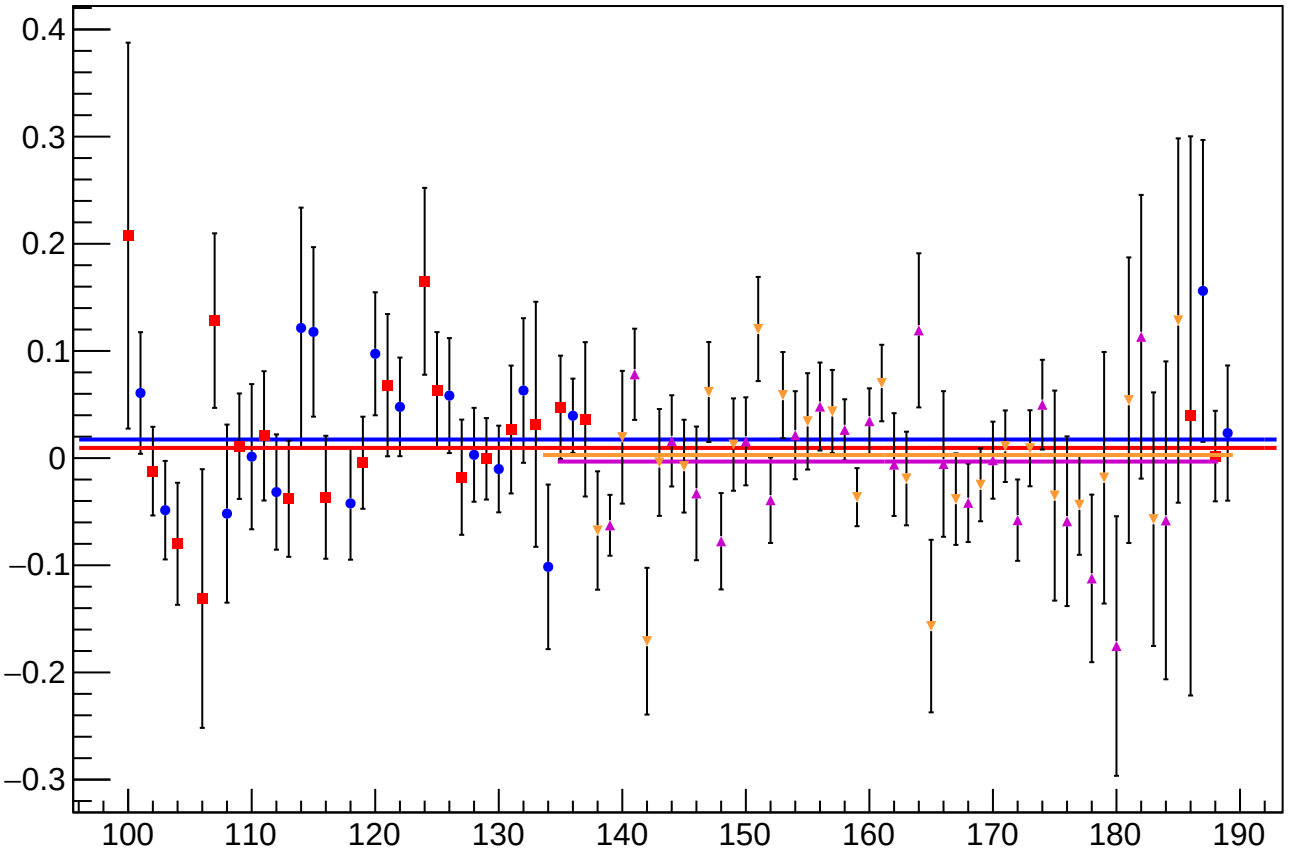
Right Out: 0.000+/-0.000 χ^2/NDF: 2345715.7/20

Left In: 0.000+/-0.000 χ^2/NDF:1614718.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 6026611.4/42

All: 0.000+/-0.000 χ^2/NDF: 12313617.2/86

- sign 0.000+/-0.000 χ^2/NDF: 6277440.7/43



Right In: 0.017+/-0.013 χ^2/NDF: 15.8/17

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: 0.010+/-0.013 χ^2/NDF: 15.2/20

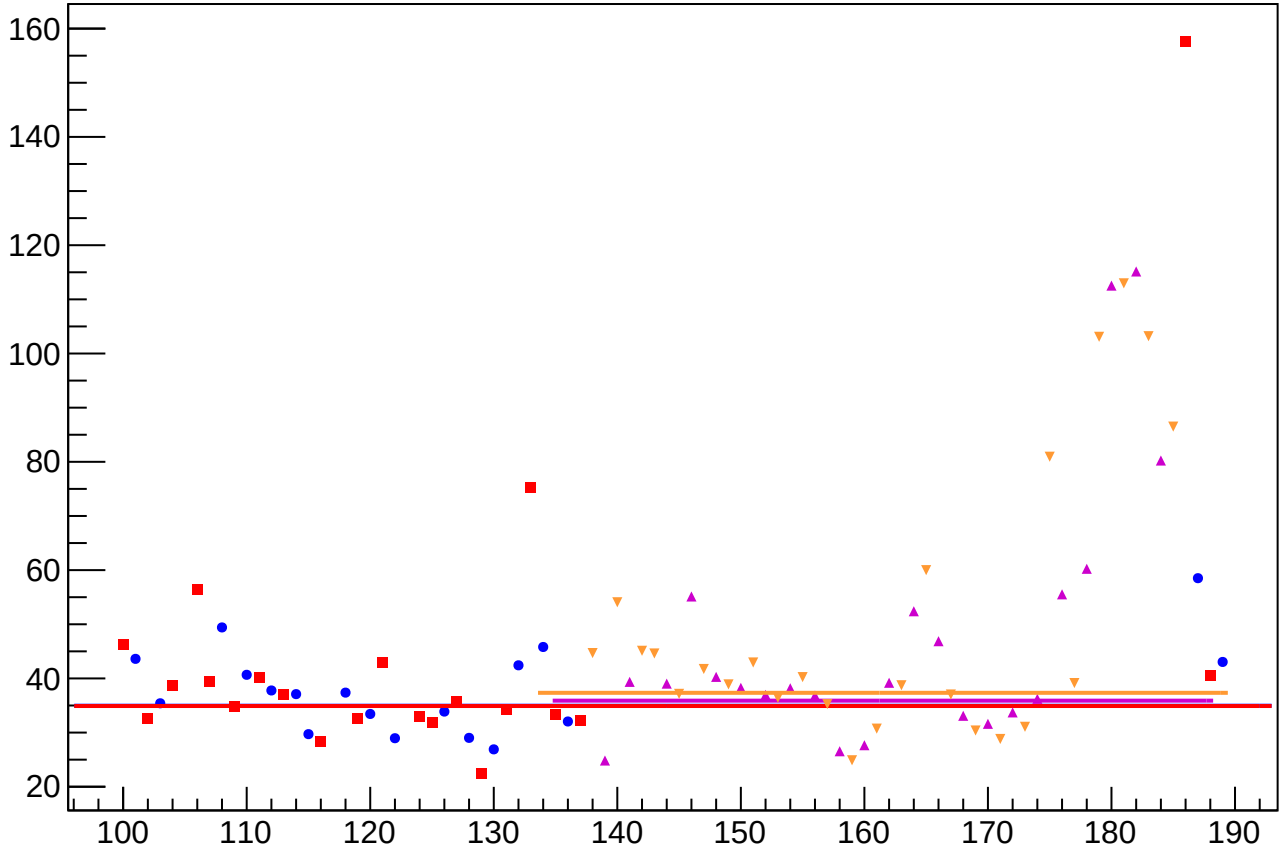
Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.008+/-0.008 χ^2/NDF: 49.4/42

All: 0.004+/-0.005 χ^2/NDF: 95.5/86

- sign 0.001+/-0.007 χ^2/NDF: 45.7/43

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug



Right In: 34.959+/-0.009 χ^2/NDF: 460379.9/17

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

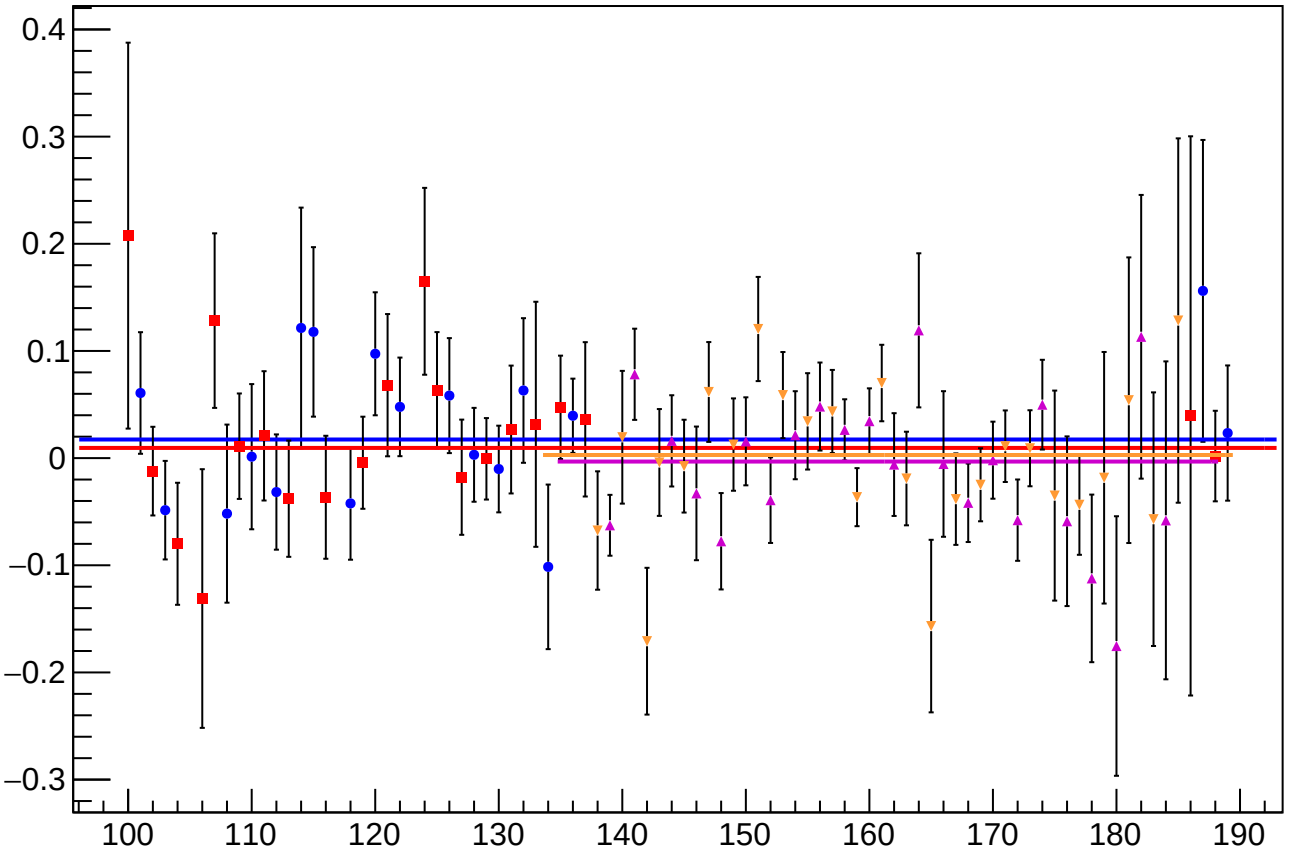
Right Out: 34.904+/-0.009 χ^2/NDF: 1127814.3/20

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

+ sign 36.545+/-0.005 χ^2/NDF: 4201458.4/42

All: 36.039+/-0.004 χ^2/NDF: 8493285.7/86

- sign 35.553+/-0.005 χ^2/NDF: 4274220.1/43



Right In: 0.017+/-0.013 χ^2/NDF: 15.8/17

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

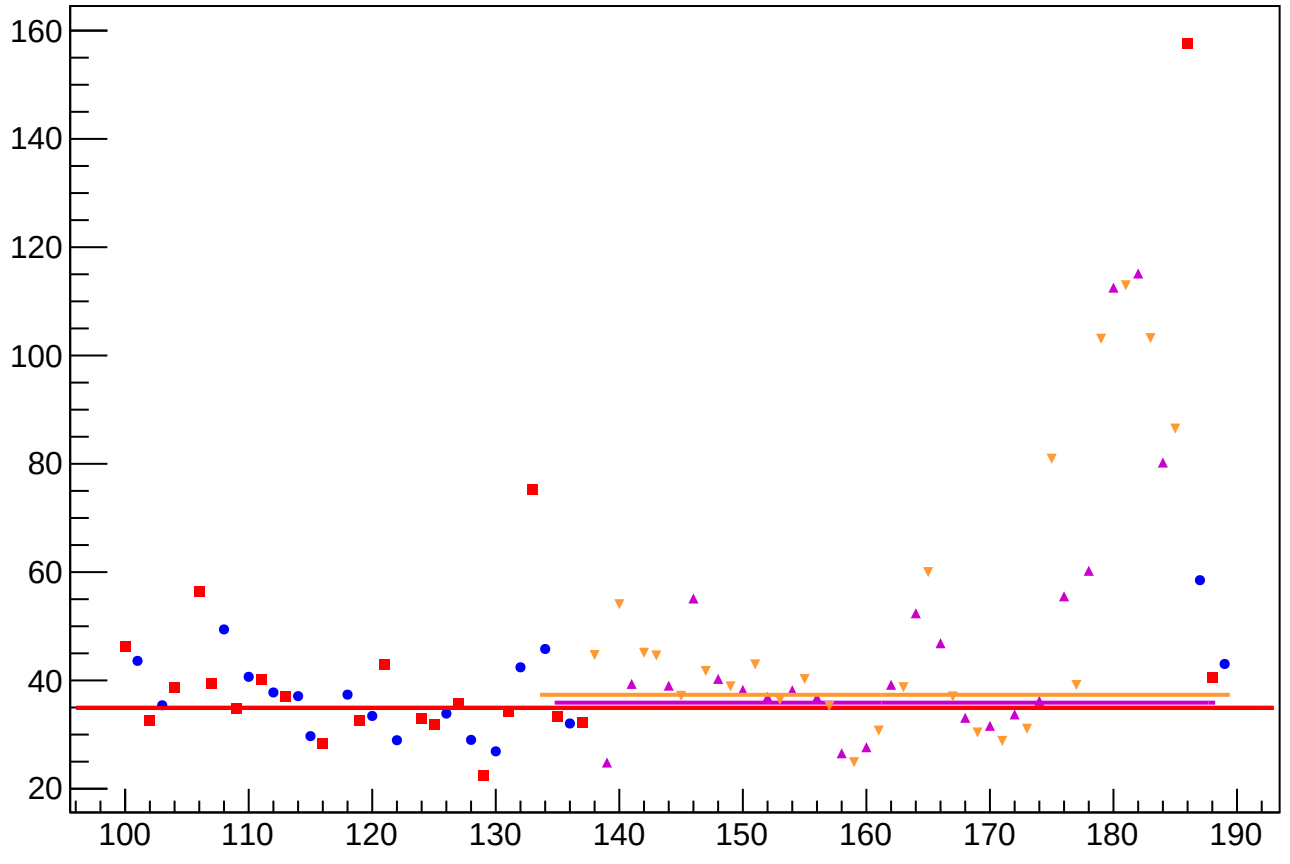
Right Out: 0.010+/-0.013 χ^2/NDF: 15.2/20

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.008+/-0.008 χ^2/NDF: 49.4/42

All: 0.004+/-0.005 χ^2/NDF: 95.5/86

- sign 0.001+/-0.007 χ^2/NDF: 45.7/43



Right In: 34.959+/-0.009 χ^2/NDF: 460379.9/17

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

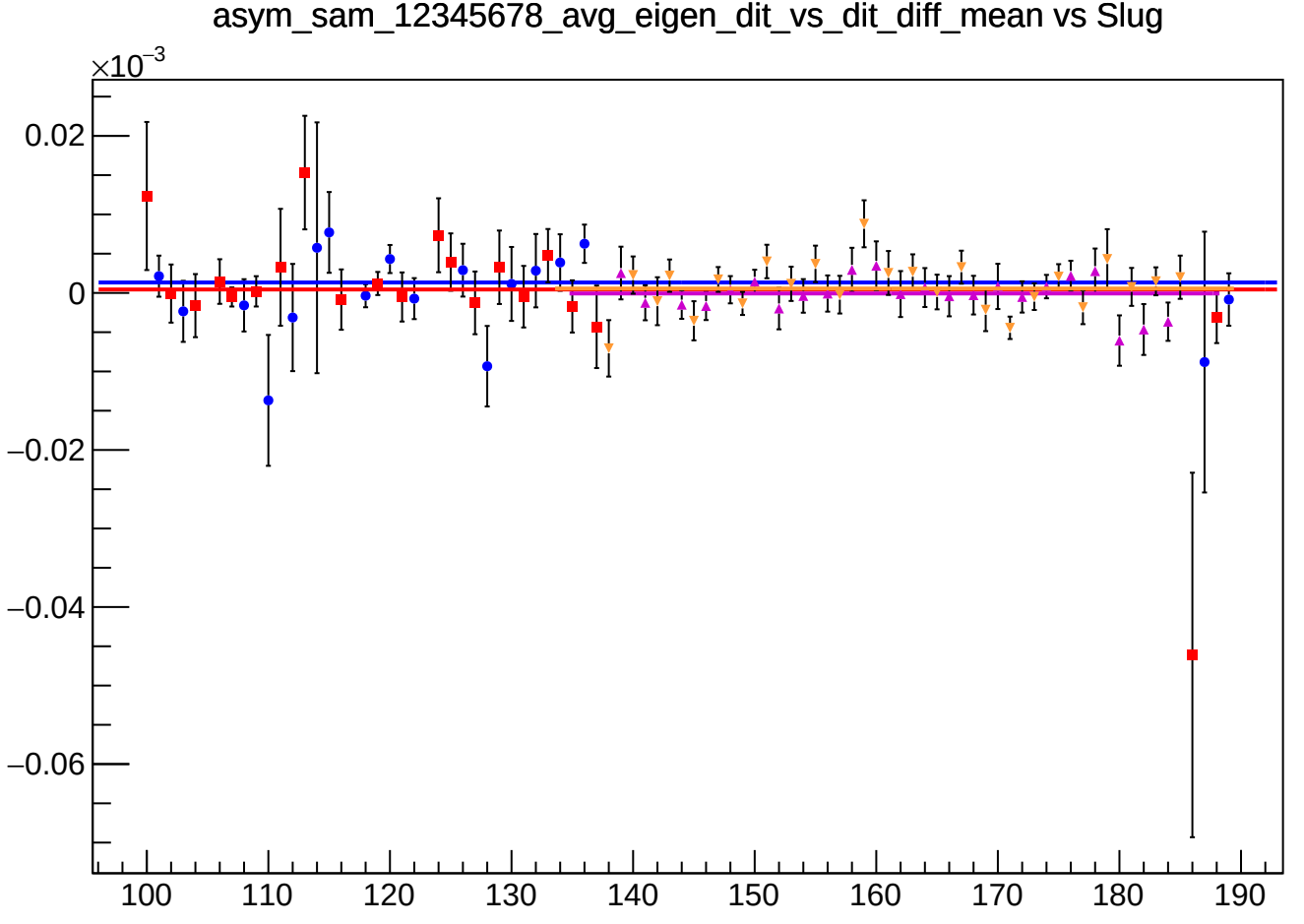
Right Out: 34.904+/-0.009 χ^2/NDF: 1127814.3/20

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

+ sign 36.545+/-0.005 χ^2/NDF: 4201458.4/42

All: 36.039+/-0.004 χ^2/NDF: 8493285.7/86

- sign 35.553+/-0.005 χ^2/NDF: 4274220.1/43



Right In: 0.000+/-0.000 χ^2/NDF: 21.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:43.5/24

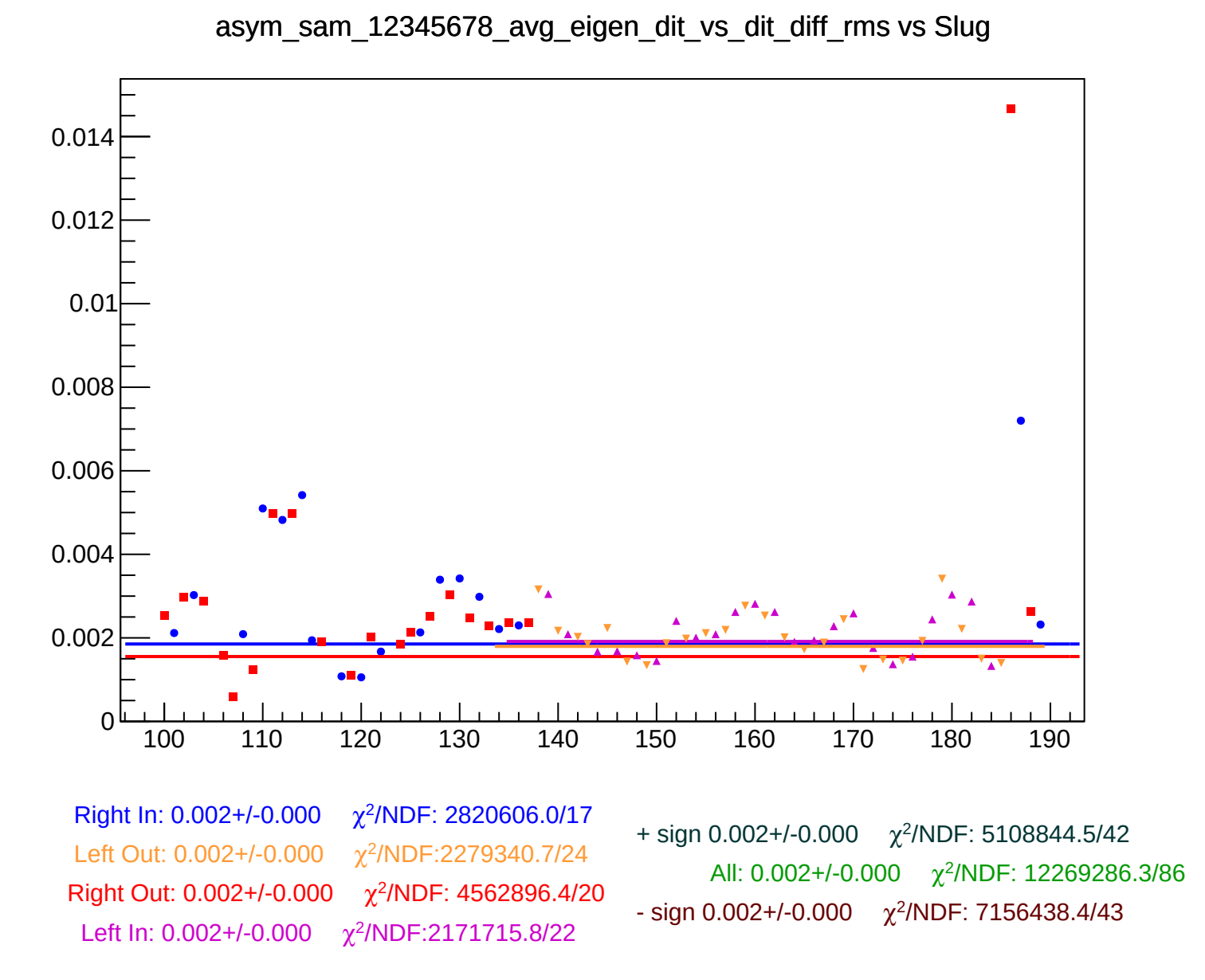
Right Out: 0.000+/-0.000 χ^2/NDF: 19.3/20

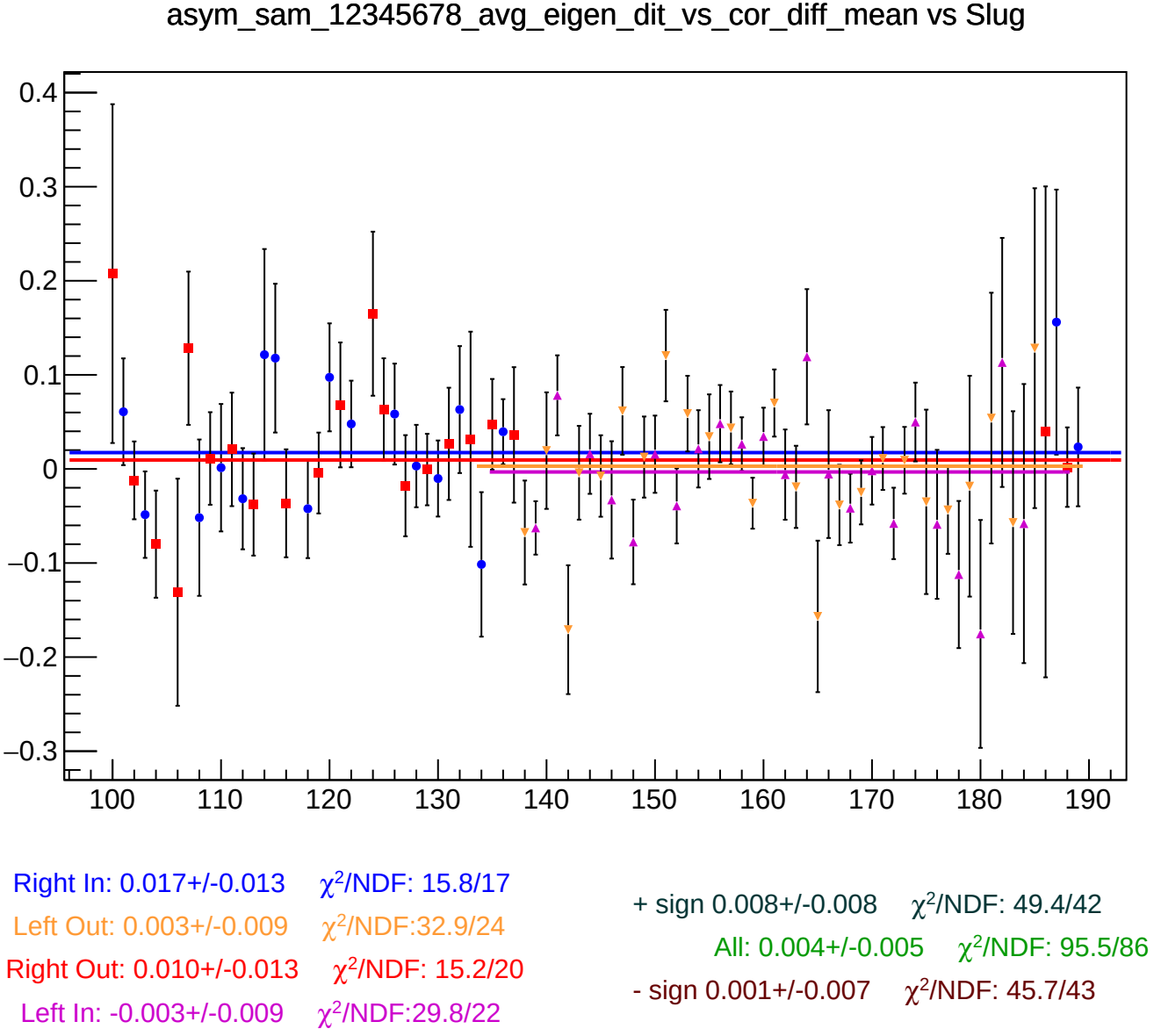
Left In: -0.000+/-0.000 χ^2/NDF:16.9/22

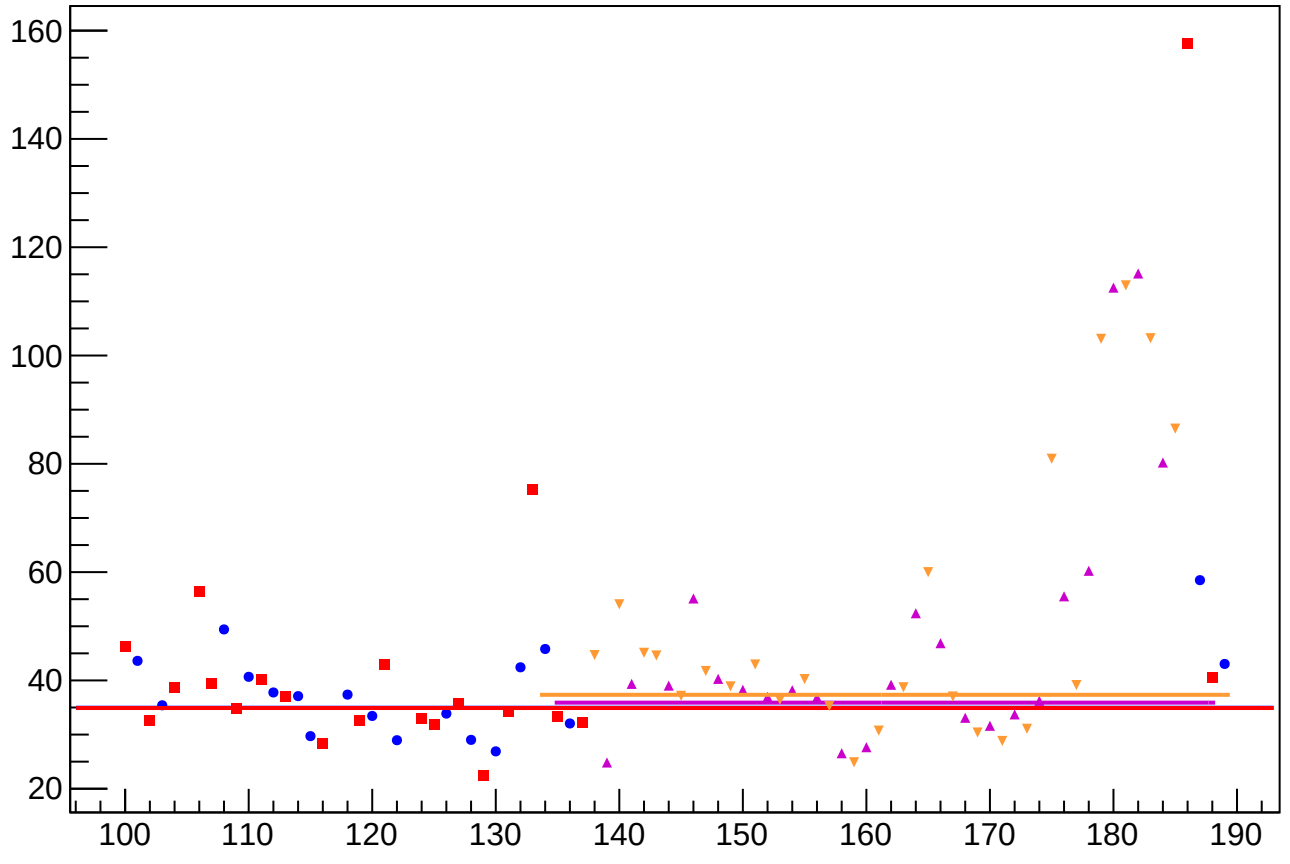
+ sign 0.000+/-0.000 χ^2/NDF: 66.2/42

All: 0.000+/-0.000 χ^2/NDF: 104.3/86

- sign 0.000+/-0.000 χ^2/NDF: 36.6/43


asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.002+/-0.000 χ²/NDF: 2820606.0/17
Left Out: 0.002+/-0.000 χ²/NDF:2279340.7/24
Right Out: 0.002+/-0.000 χ²/NDF: 4562896.4/20
Left In: 0.002+/-0.000 χ²/NDF:2171715.8/22
+ sign 0.002+/-0.000 χ²/NDF: 5108844.5/42
All: 0.002+/-0.000 χ²/NDF: 12269286.3/86
- sign 0.002+/-0.000 χ²/NDF: 7156438.4/43


asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs Slug
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
170
180
190
Right In: 0.017+/-0.013 χ²/NDF: 15.8/17
Left Out: 0.003+/-0.009 χ²/NDF:32.9/24
Right Out: 0.010+/-0.013 χ²/NDF: 15.2/20
Left In: -0.003+/-0.009 χ²/NDF:29.8/22
+ sign 0.008+/-0.008 χ²/NDF: 49.4/42
All: 0.004+/-0.005 χ²/NDF: 95.5/86
- sign 0.001+/-0.007 χ²/NDF: 45.7/43



Right In: 34.959+/-0.009 χ^2/NDF: 460451.0/17

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

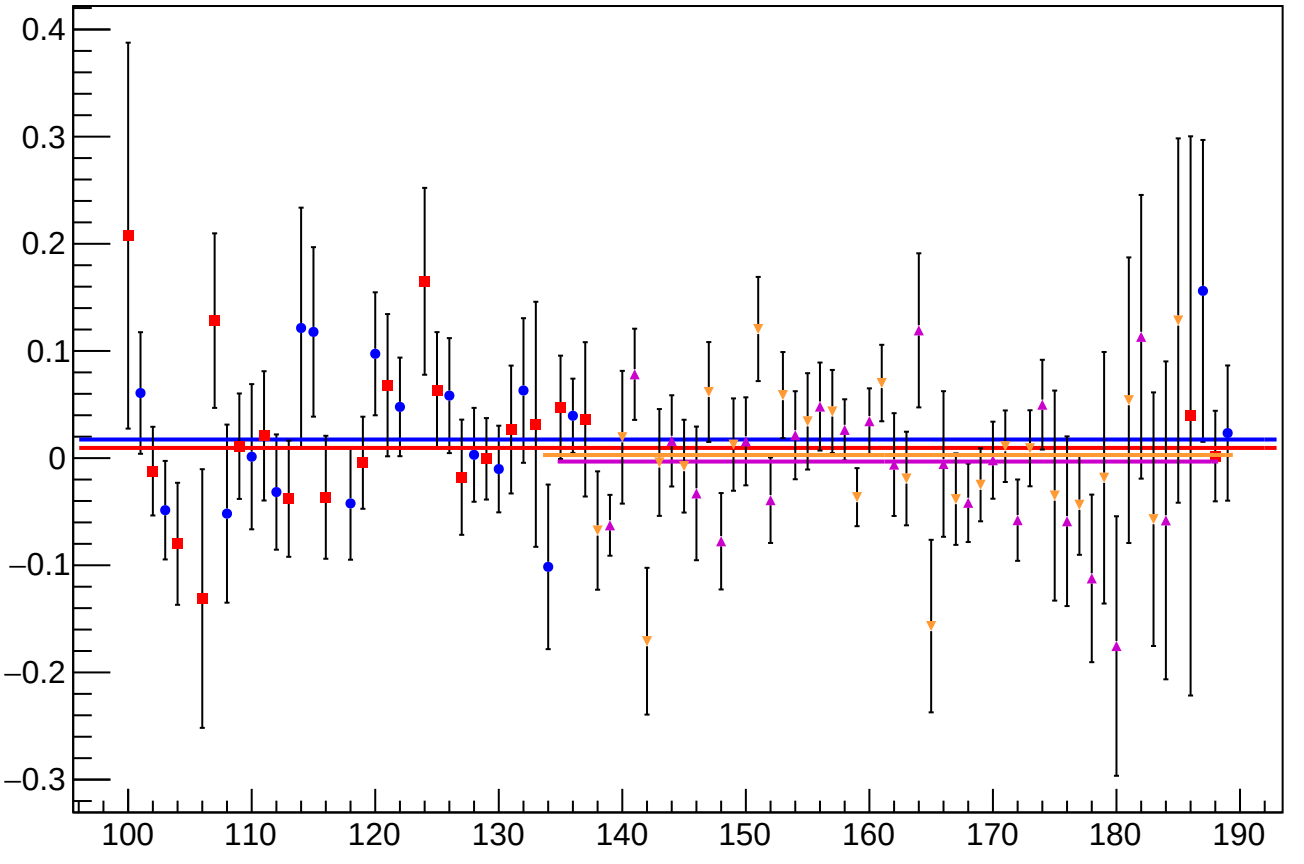
Right Out: 34.904+/-0.009 χ^2/NDF: 1127888.5/20

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

\+ sign 36.545+/-0.005 χ^2/NDF: 4201616.4/42

All: 36.039+/-0.004 χ^2/NDF: 8493539.2/86

\- sign 35.553+/-0.005 χ^2/NDF: 4274322.2/43



Right In: 0.017+/-0.013 χ^2/NDF: 15.8/17

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

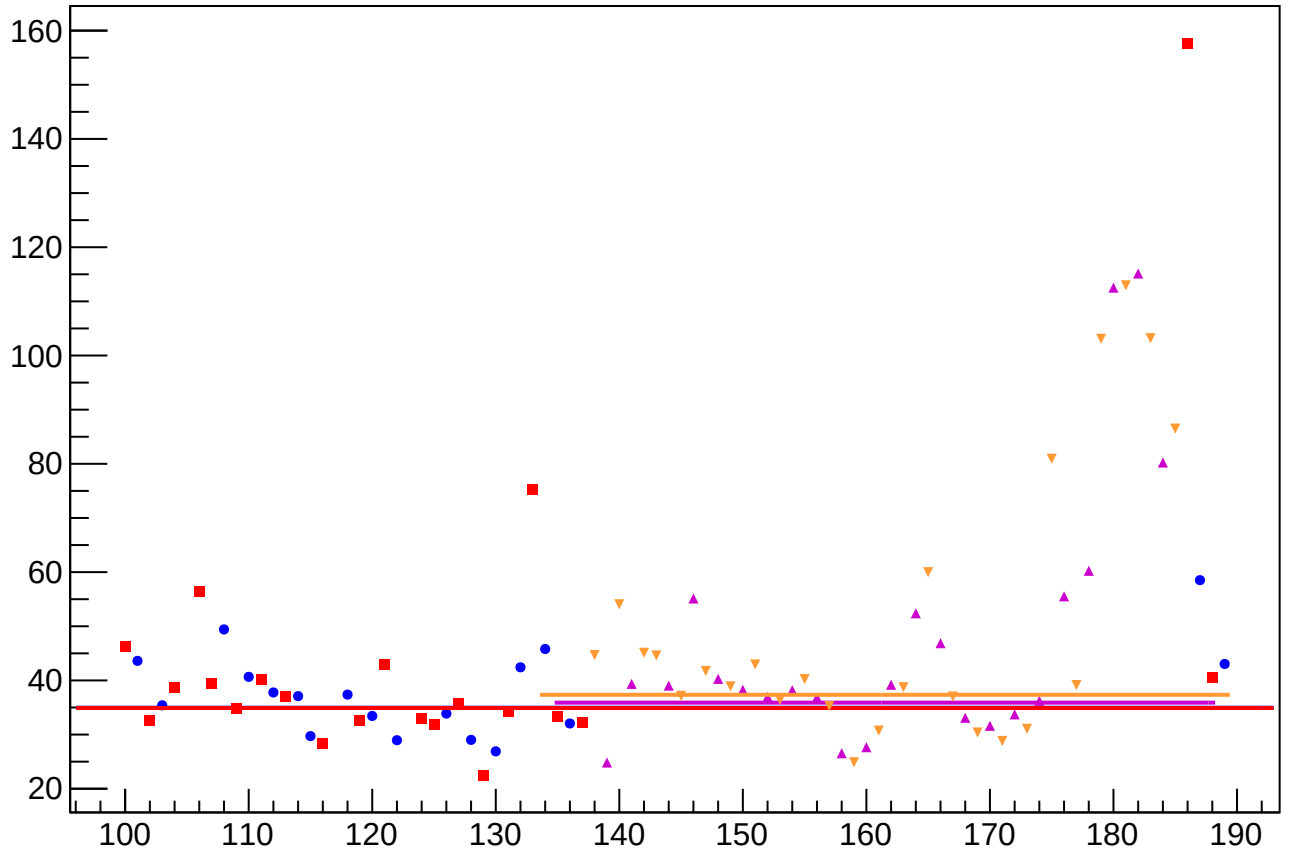
Right Out: 0.010+/-0.013 χ^2/NDF: 15.2/20

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.008+/-0.008 χ^2/NDF: 49.4/42

All: 0.004+/-0.005 χ^2/NDF: 95.5/86

- sign 0.001+/-0.007 χ^2/NDF: 45.7/43



Right In: 34.959+/-0.009 χ^2/NDF: 460451.0/17

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

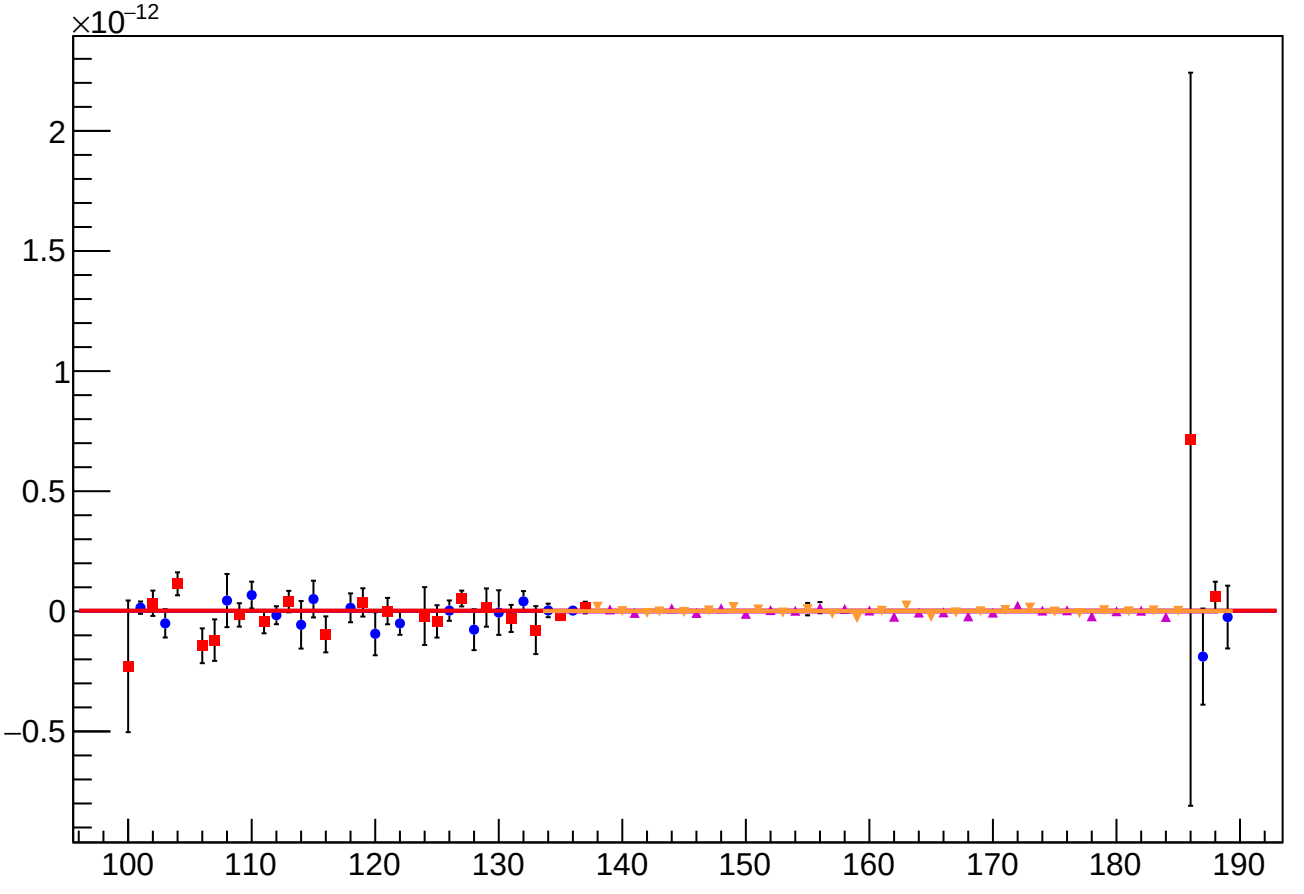
Right Out: 34.904+/-0.009 χ^2/NDF: 1127888.5/20

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

+ sign 36.545+/-0.005 χ^2/NDF: 4201616.4/42

All: 36.039+/-0.004 χ^2/NDF: 8493539.2/86

- sign 35.553+/-0.005 χ^2/NDF: 4274322.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 8.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:21.4/24

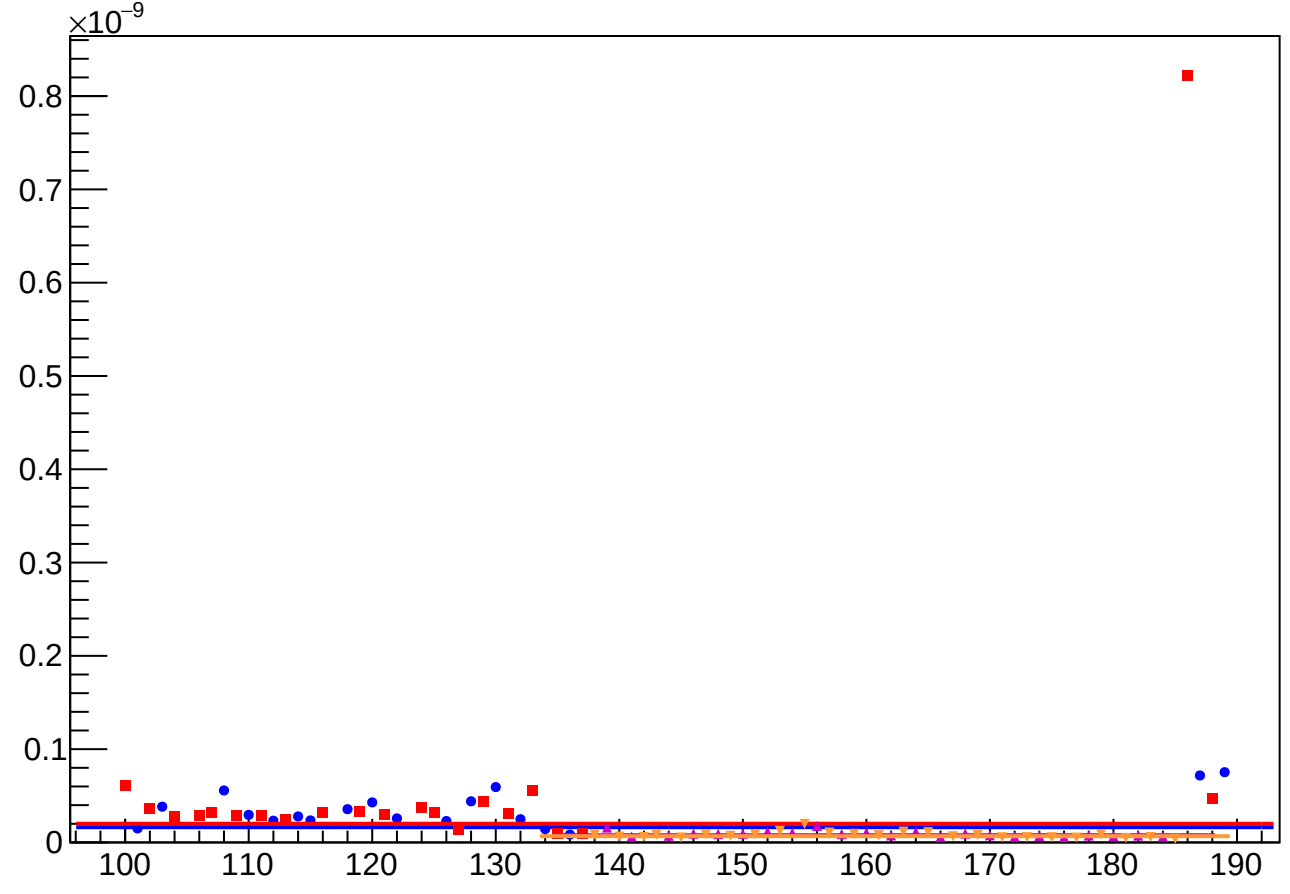
Right Out: 0.000+/-0.000 χ^2/NDF: 22.6/20

Left In: -0.000+/-0.000 χ^2/NDF:29.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 30.0/42

All: 0.000+/-0.000 χ^2/NDF: 82.2/86

- sign -0.000+/-0.000 χ^2/NDF: 51.9/43



Right In: 0.000+/-0.000 χ^2/NDF: 3386838.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:2192403.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3371737.0/20

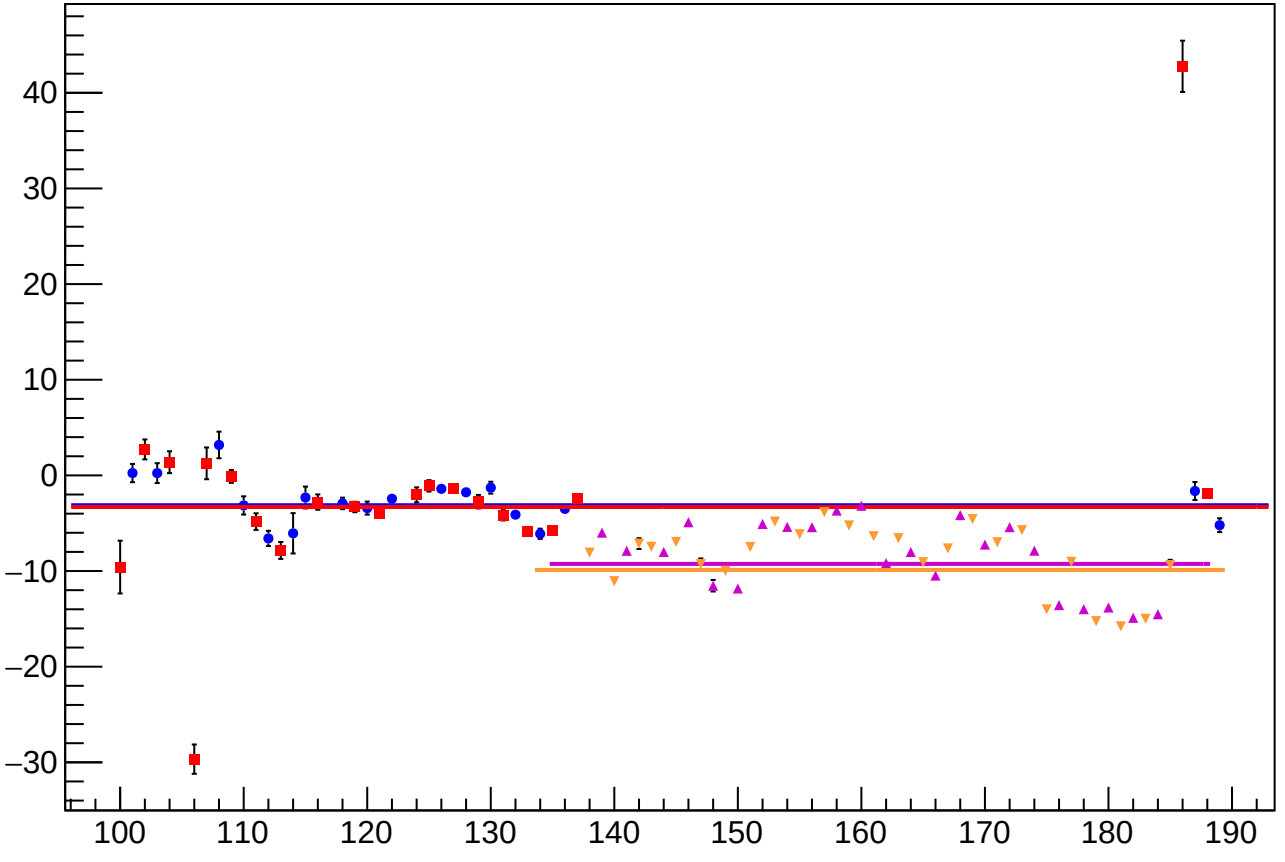
Left In: 0.000+/-0.000 χ^2/NDF:1582294.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 7911444.0/42

All: 0.000+/-0.000 χ^2/NDF: 16004116.6/86

- sign 0.000+/-0.000 χ^2/NDF: 7776111.5/43

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -3.119+/-0.132 χ^2/NDF: 144.7/17

Left Out: -9.886+/-0.070 χ^2/NDF:3206.9/24

Right Out: -3.302+/-0.128 χ^2/NDF: 856.1/20

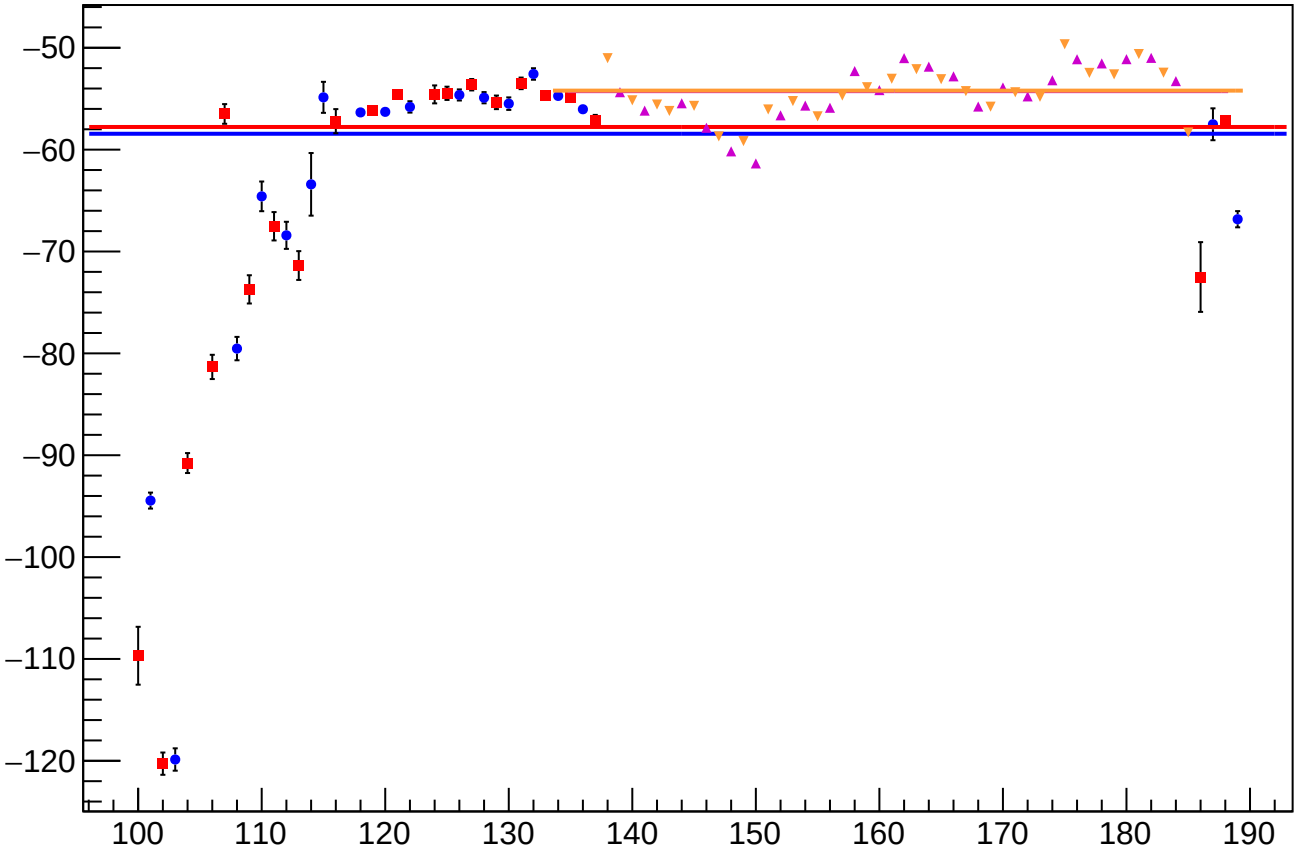
Left In: -9.255+/-0.072 χ^2/NDF:3067.6/22

+ sign -8.410+/-0.061 χ^2/NDF: 5418.0/42

All: -8.132+/-0.044 χ^2/NDF: 11021.2/86

- sign -7.843+/-0.063 χ^2/NDF: 5561.4/43

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -58.441+/-0.133 χ^2/NDF: 6241.4/17

Left Out: -54.206+/-0.056 χ^2/NDF:1857.6/24

Right Out: -57.775+/-0.133 χ^2/NDF: 5813.0/20

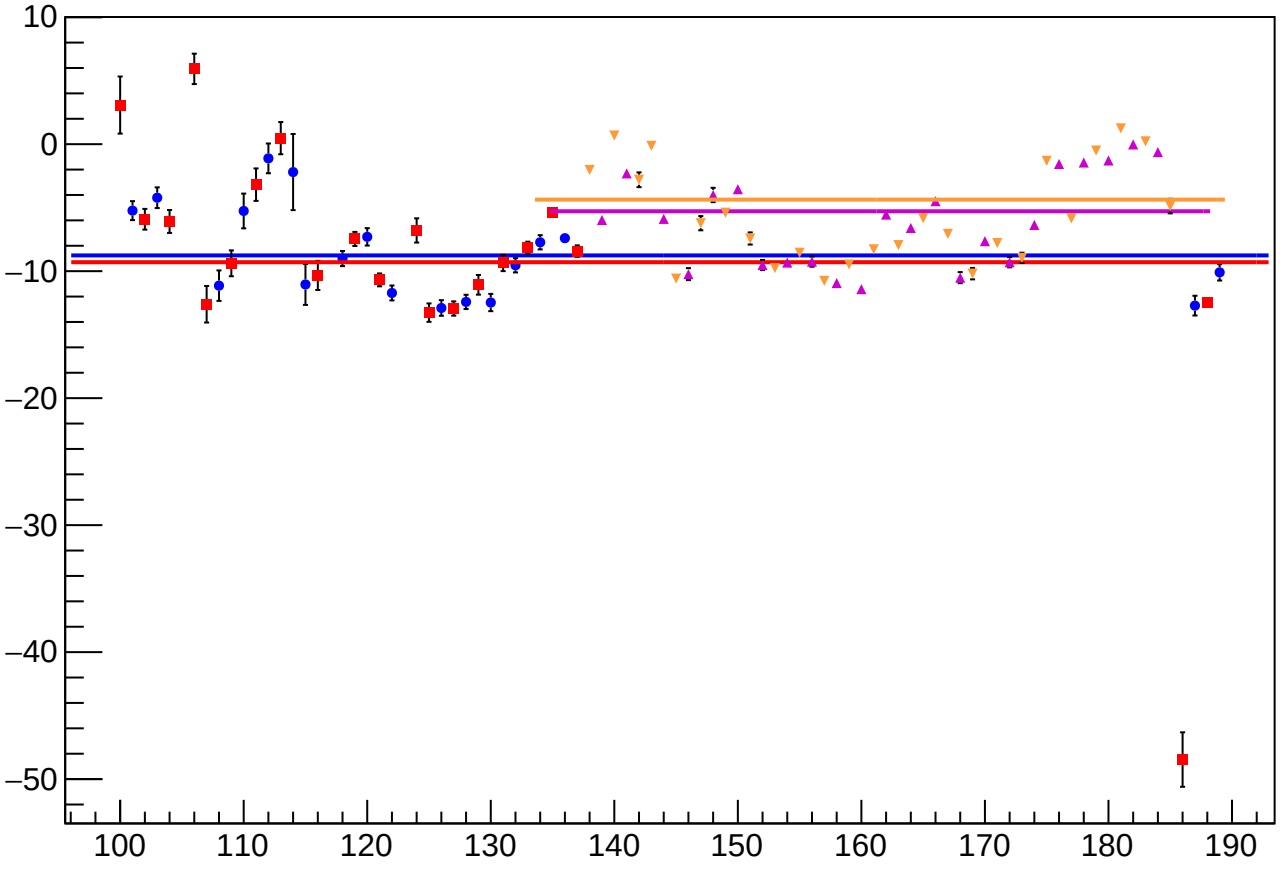
Left In: -54.257+/-0.058 χ^2/NDF:2489.9/22

+ sign -54.839+/-0.051 χ^2/NDF: 8959.0/42

All: -54.832+/-0.037 χ^2/NDF: 17848.9/86

- sign -54.824+/-0.053 χ^2/NDF: 8889.8/43

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -8.760+/-0.139 χ^2/NDF: 332.9/17

Left Out: -4.366+/-0.069 χ^2/NDF:3701.4/24

Right Out: -9.294+/-0.132 χ^2/NDF: 1040.7/20

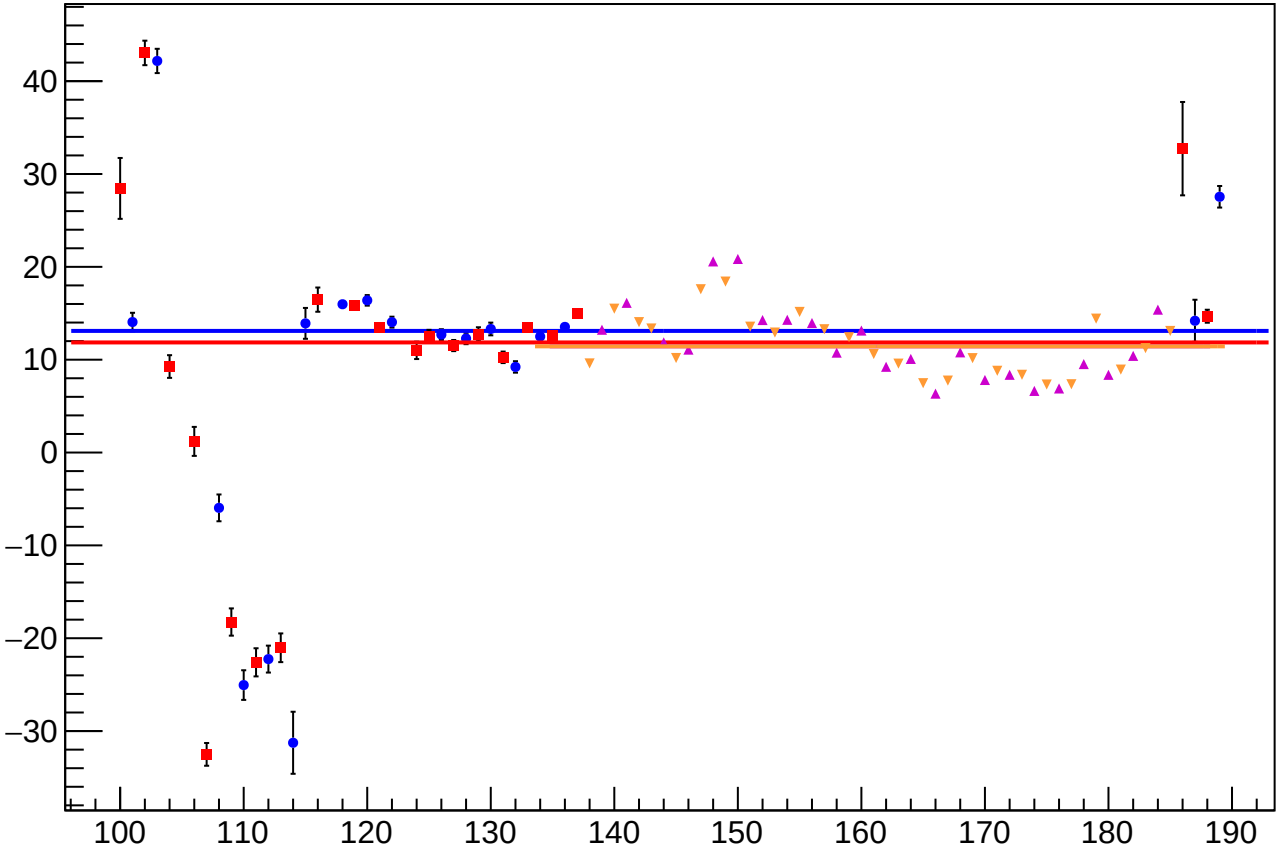
Left In: -5.283+/-0.071 χ^2/NDF:2750.2/22

+ sign -5.241+/-0.062 χ^2/NDF: 4835.5/42

All: -5.709+/-0.044 χ^2/NDF: 9458.3/86

- sign -6.185+/-0.063 χ^2/NDF: 4507.7/43

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 13.100+/-0.149 χ^2/NDF: 2286.0/17

Left Out: 11.438+/-0.062 χ^2/NDF:2435.7/24

Right Out: 11.858+/-0.151 χ^2/NDF: 3533.4/20

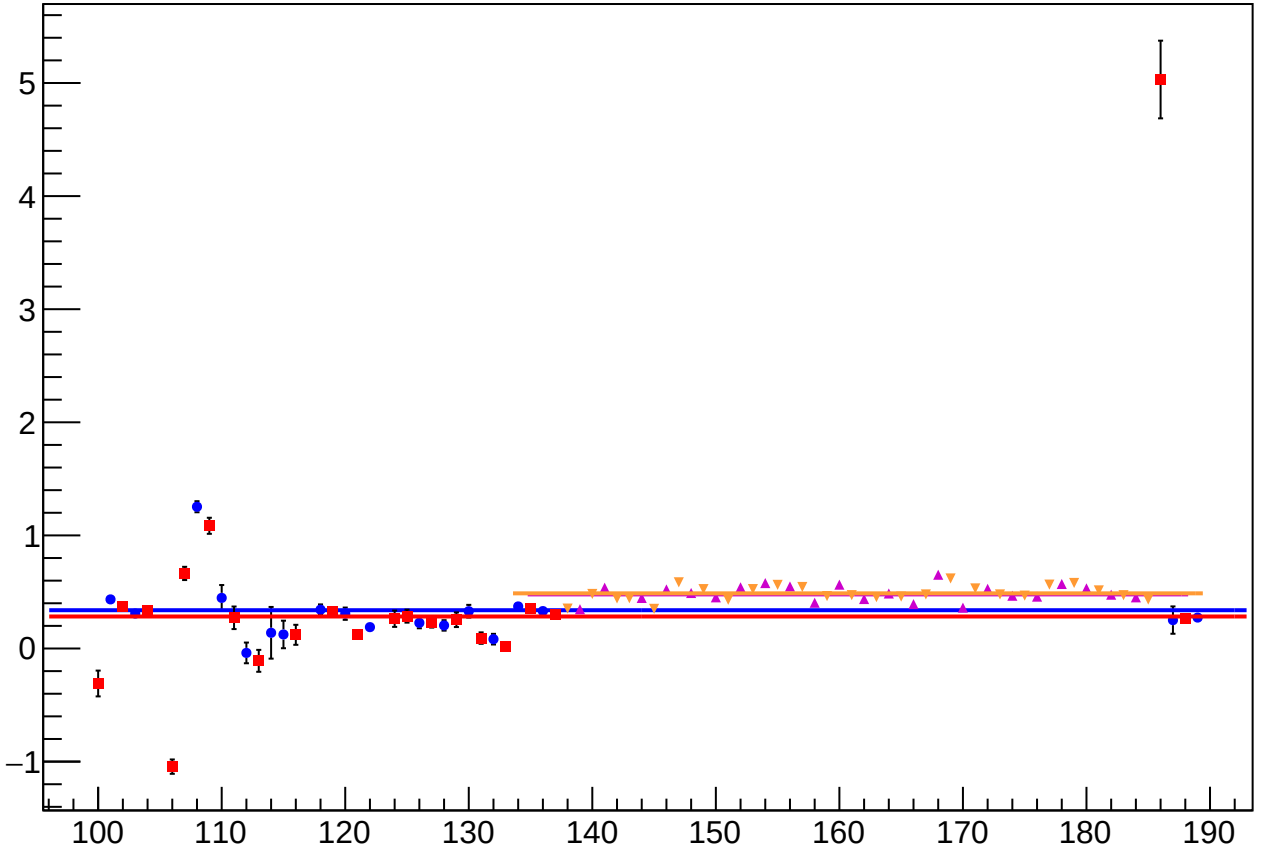
Left In: 11.441+/-0.064 χ^2/NDF:3358.4/22

\+ sign 11.684+/-0.057 χ^2/NDF: 4828.0/42

All: 11.597+/-0.041 χ^2/NDF: 11731.0/86

\- sign 11.505+/-0.059 χ^2/NDF: 6898.2/43

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.339+/-0.008 χ^2/NDF: 437.9/17

Left Out: 0.488+/-0.003 χ^2/NDF:539.4/24

Right Out: 0.283+/-0.008 χ^2/NDF: 969.0/20

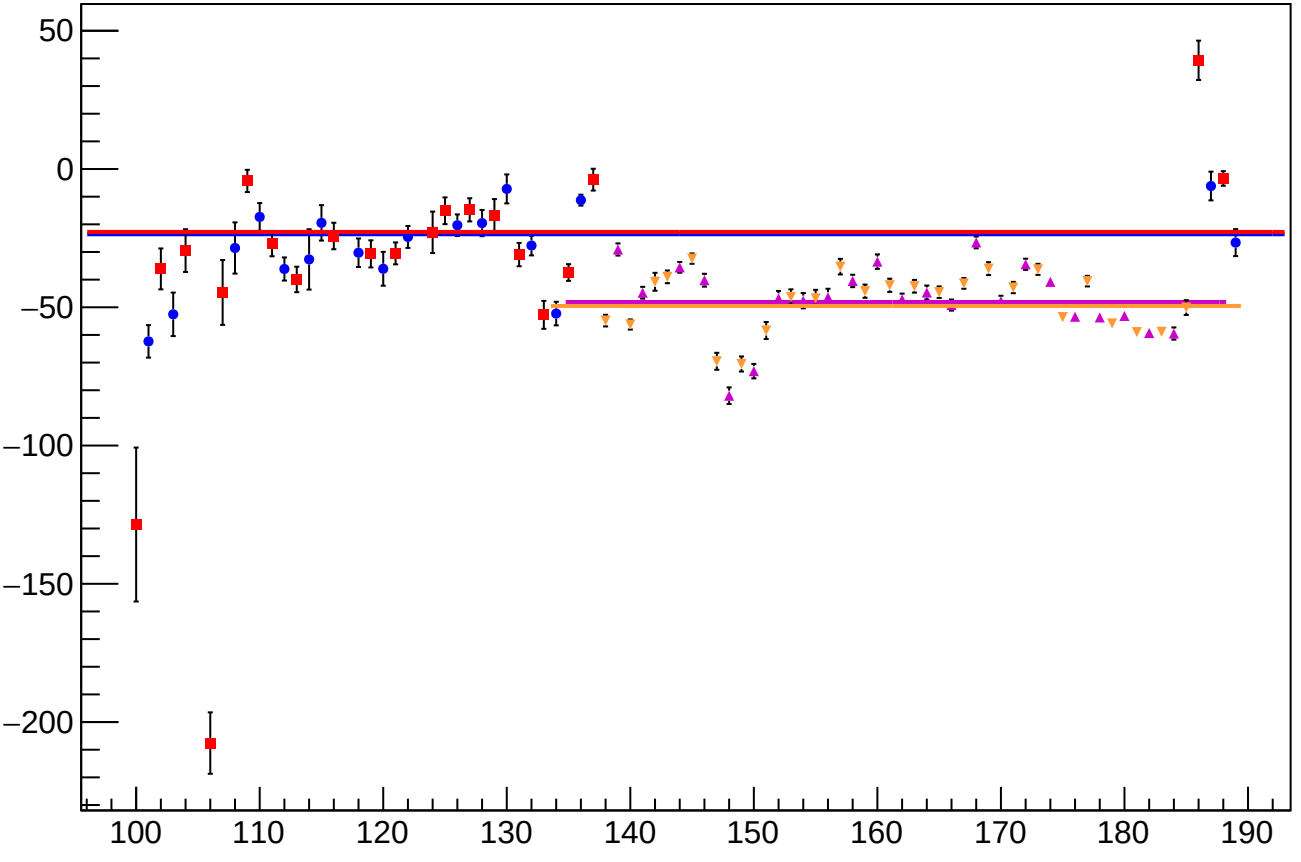
Left In: 0.478+/-0.003 χ^2/NDF:798.2/22

+ sign 0.471+/-0.003 χ^2/NDF: 1308.9/42

All: 0.465+/-0.002 χ^2/NDF: 3600.6/86

- sign 0.458+/-0.003 χ^2/NDF: 2279.7/43

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -23.591+/-1.039 χ^2/NDF: 182.7/17

Left Out: -49.516+/-0.402 χ^2/NDF:576.3/24

Right Out: -22.739+/-1.033 χ^2/NDF: 563.8/20

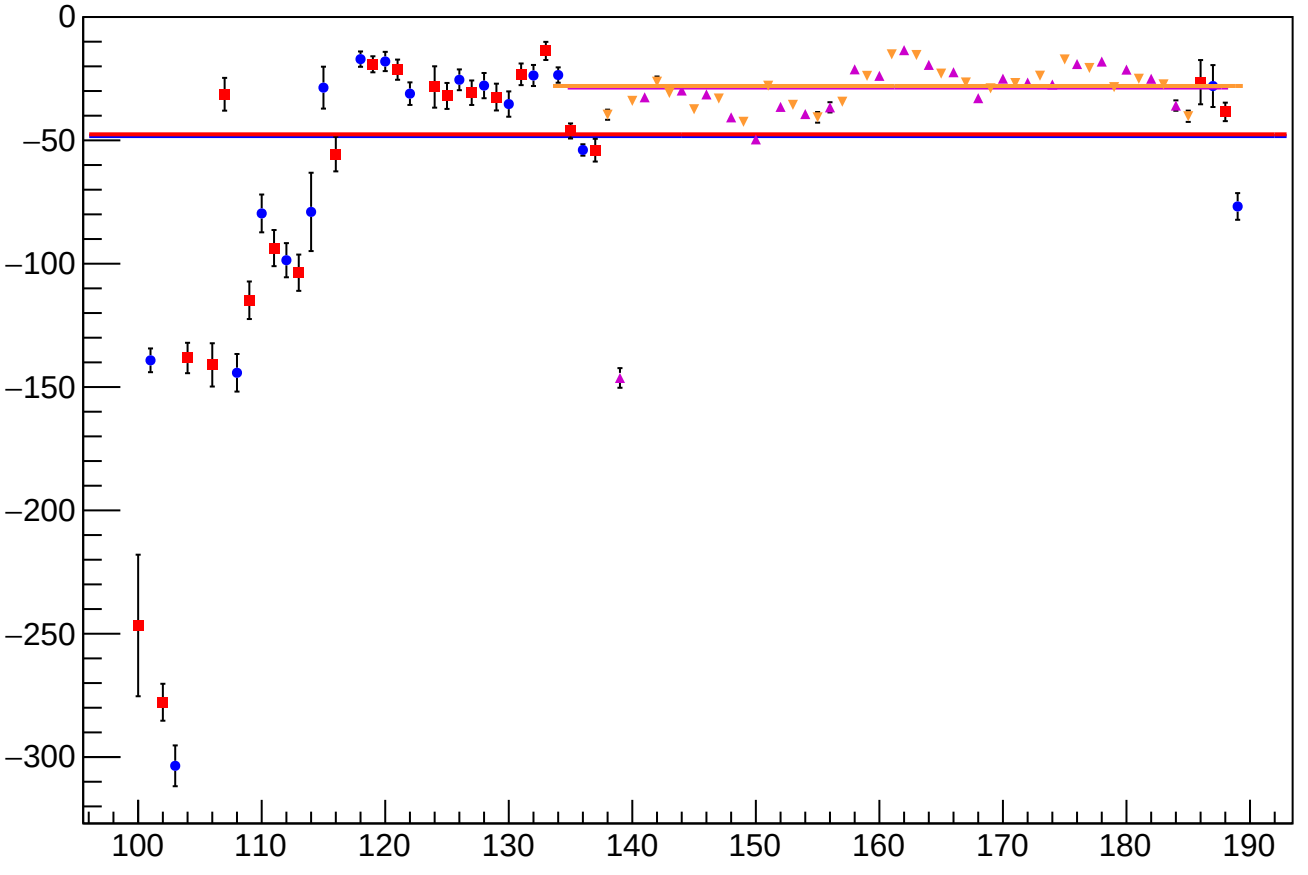
Left In: -48.087+/-0.418 χ^2/NDF:706.2/22

+ sign -46.135+/-0.375 χ^2/NDF: 1300.4/42

All: -45.352+/-0.270 χ^2/NDF: 3096.3/86

- sign -44.515+/-0.388 χ^2/NDF: 1786.9/43

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -48.262+/-1.070 χ^2/NDF: 1907.6/17

Left Out: -27.957+/-0.321 χ^2/NDF:497.7/24

Right Out: -47.557+/-1.119 χ^2/NDF: 1787.2/20

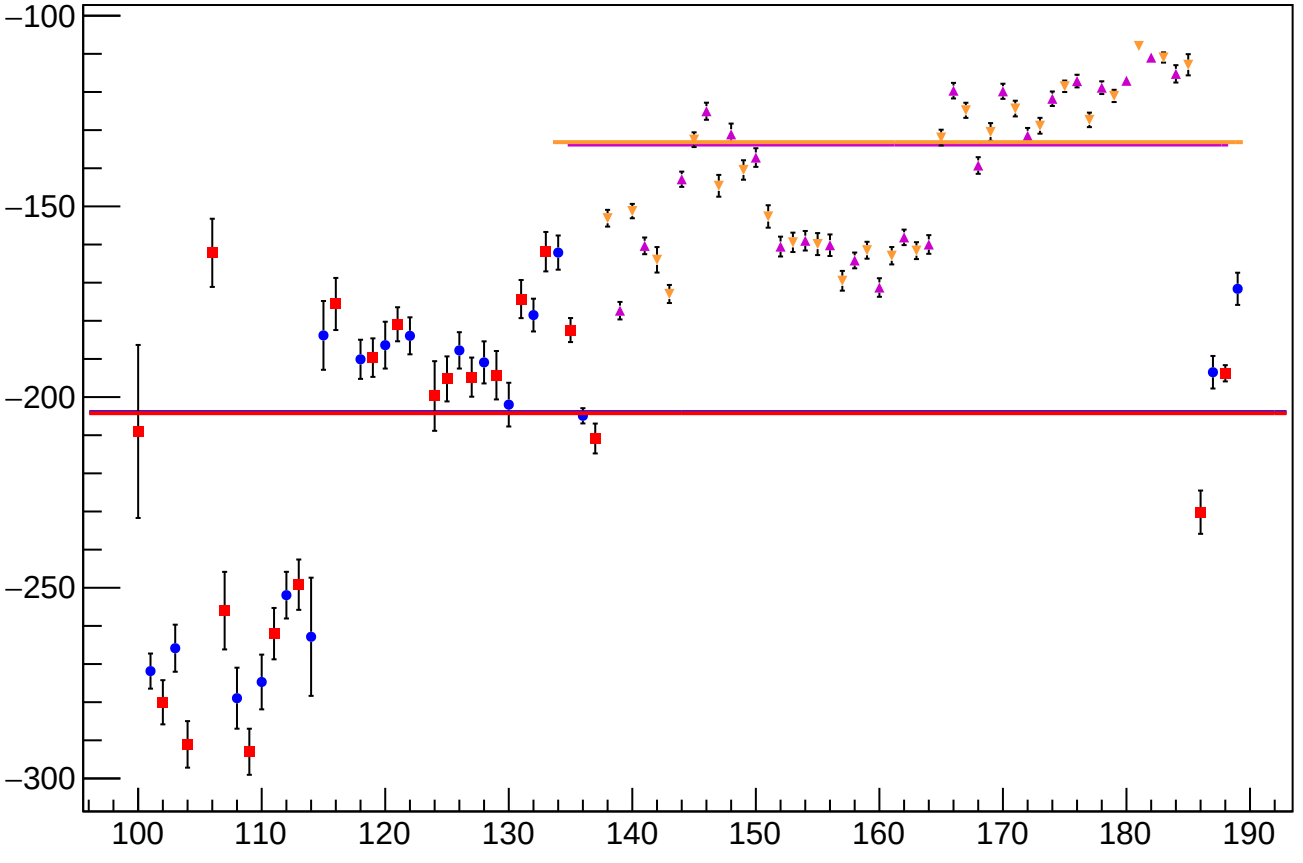
Left In: -28.592+/-0.334 χ^2/NDF:1480.6/22

+ sign -29.634+/-0.308 χ^2/NDF: 2735.5/42

All: -29.878+/-0.222 χ^2/NDF: 6268.5/86

- sign -30.141+/-0.320 χ^2/NDF: 3531.8/43

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -203.946+/-1.097 χ^2/NDF: 821.2/17

Left Out: -133.155+/-0.403 χ^2/NDF:2530.7/24

Right Out: -204.219+/-1.077 χ^2/NDF: 1018.1/20

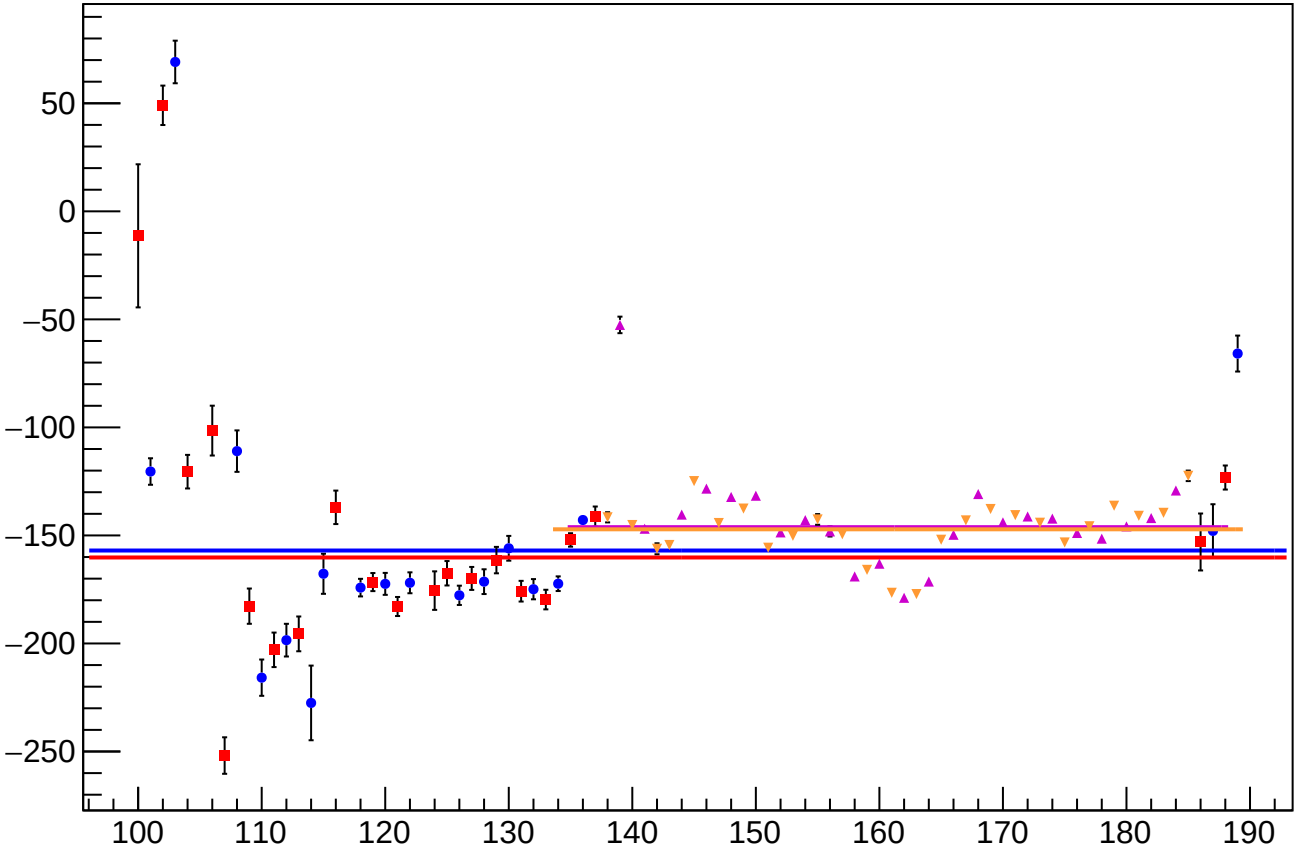
Left In: -133.777+/-0.417 χ^2/NDF:2440.7/22

+ sign -141.573+/-0.378 χ^2/NDF: 7022.5/42

All: -142.248+/-0.271 χ^2/NDF: 14208.8/86

- sign -142.962+/-0.389 χ^2/NDF: 7179.8/43

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -156.983+/-1.207 χ^2/NDF: 939.1/17

Left Out: -147.167+/-0.358 χ^2/NDF:1245.6/24

Right Out: -160.203+/-1.282 χ^2/NDF: 919.7/20

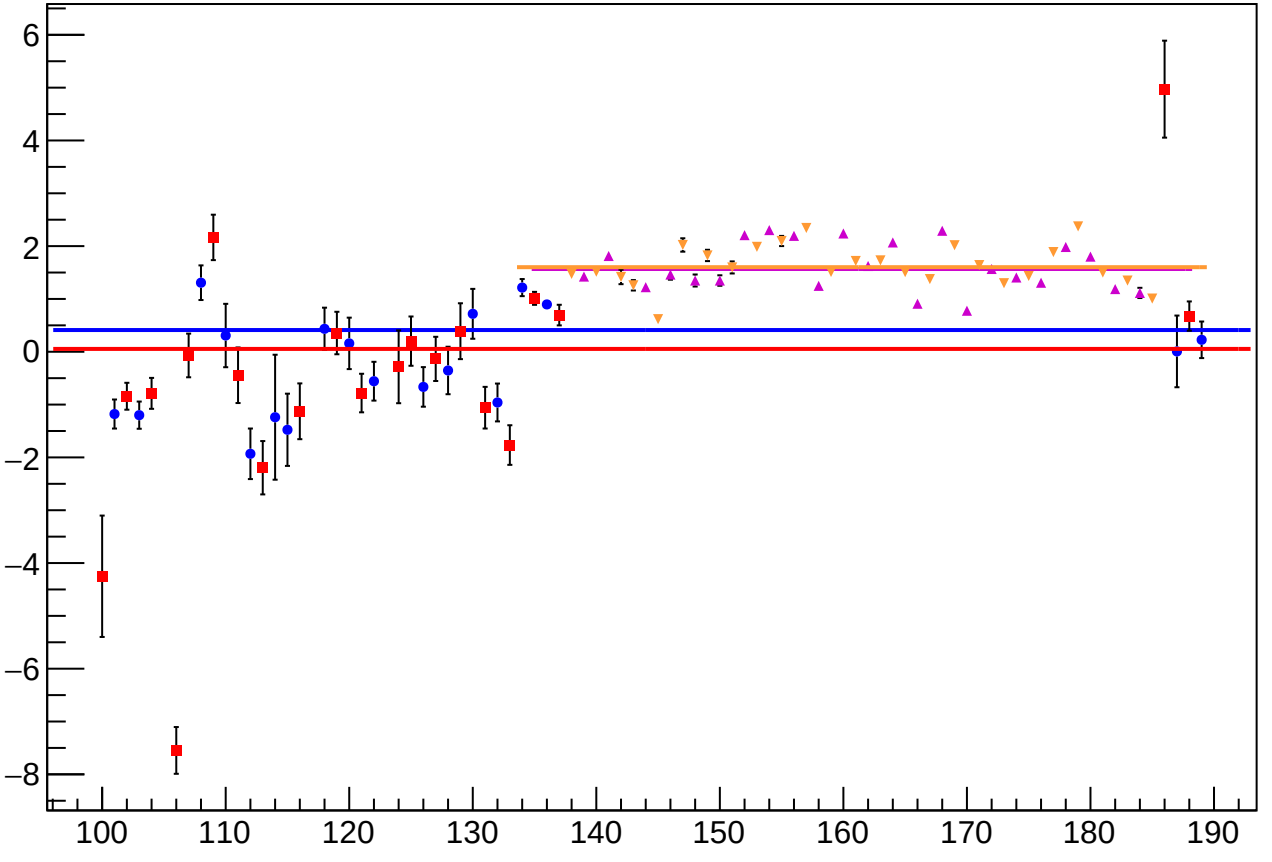
Left In: -146.173+/-0.371 χ^2/NDF:1793.8/22

+ sign -147.961+/-0.343 χ^2/NDF: 2245.6/42

All: -147.621+/-0.247 χ^2/NDF: 5071.7/86

- sign -147.255+/-0.356 χ^2/NDF: 2824.0/43

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.411+/-0.063 χ^2/NDF: 198.3/17

Left Out: 1.601+/-0.016 χ^2/NDF:581.8/24

Right Out: 0.054+/-0.070 χ^2/NDF: 523.0/20

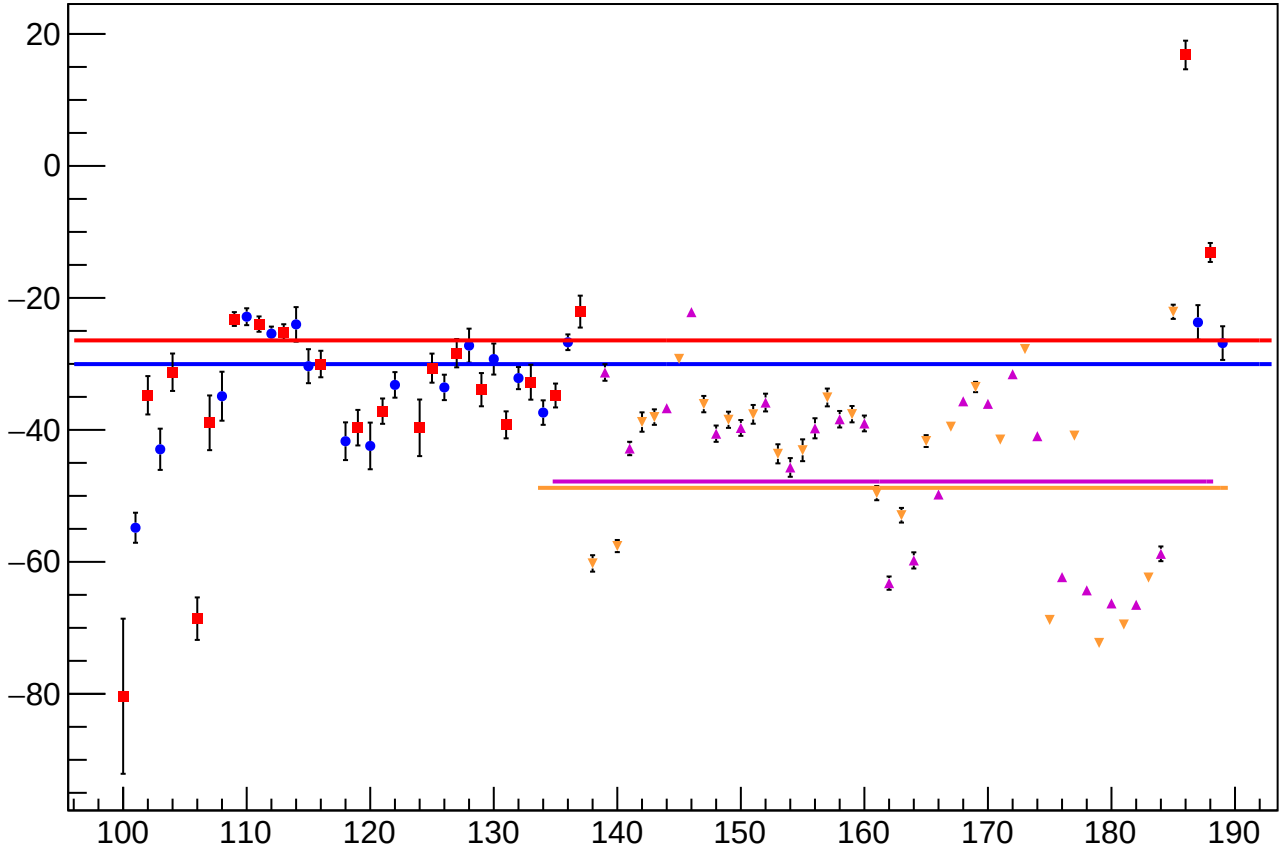
Left In: 1.567+/-0.016 χ^2/NDF:735.2/22

+ sign 1.530+/-0.016 χ^2/NDF: 1110.9/42

All: 1.510+/-0.011 χ^2/NDF: 2818.4/86

- sign 1.488+/-0.016 χ^2/NDF: 1704.0/43

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -30.032+/-0.453 χ^2/NDF: 261.4/17

Left Out: -48.783+/-0.167 χ^2/NDF:8953.8/24

Right Out: -26.439+/-0.422 χ^2/NDF: 862.6/20

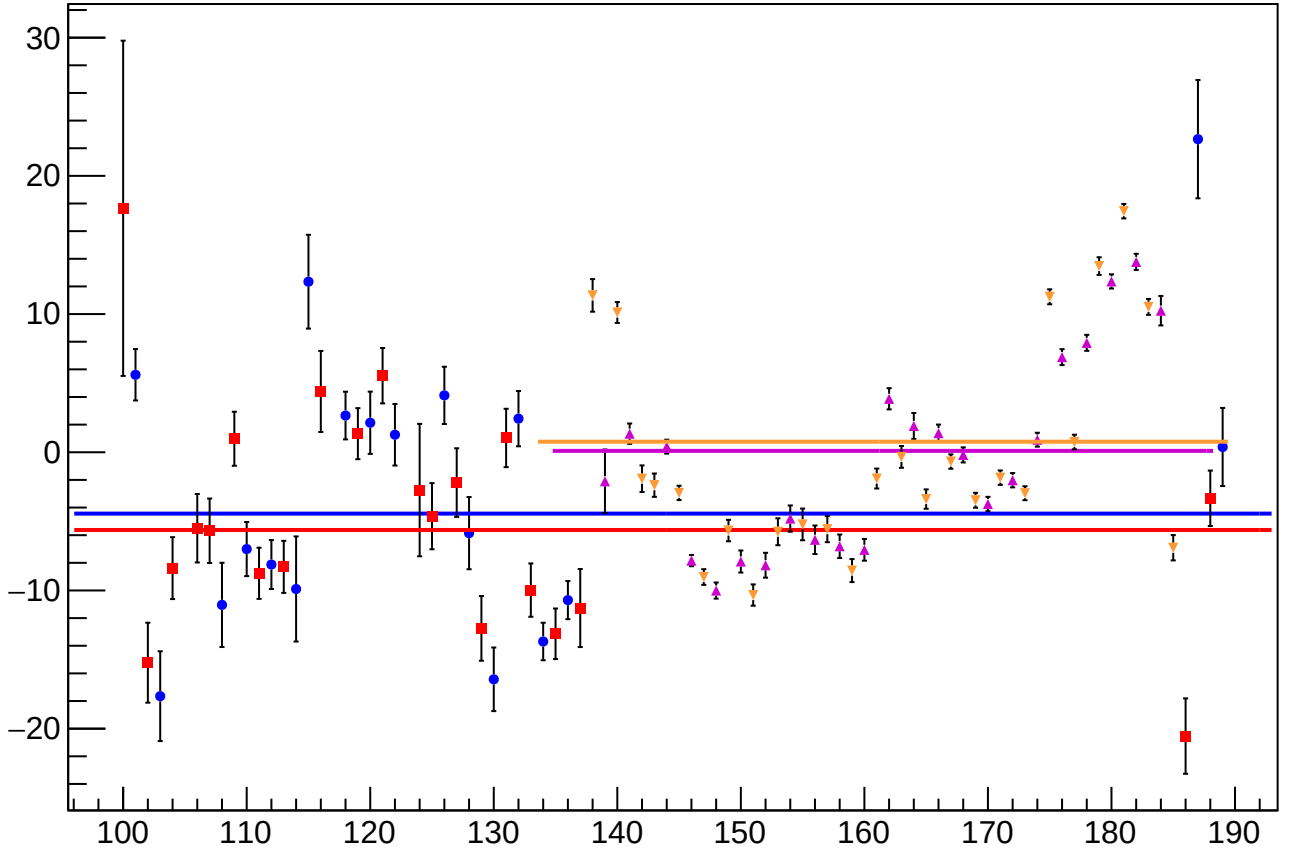
Left In: -47.822+/-0.170 χ^2/NDF:7223.0/22

+ sign -46.547+/-0.157 χ^2/NDF: 10723.1/42

All: -45.696+/-0.111 χ^2/NDF: 21080.2/86

- sign -44.833+/-0.158 χ^2/NDF: 10297.7/43

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -4.439+/-0.498 χ^2/NDF: 281.4/17

Left Out: 0.765+/-0.132 χ^2/NDF:3467.2/24

Right Out: -5.622+/-0.498 χ^2/NDF: 168.2/20

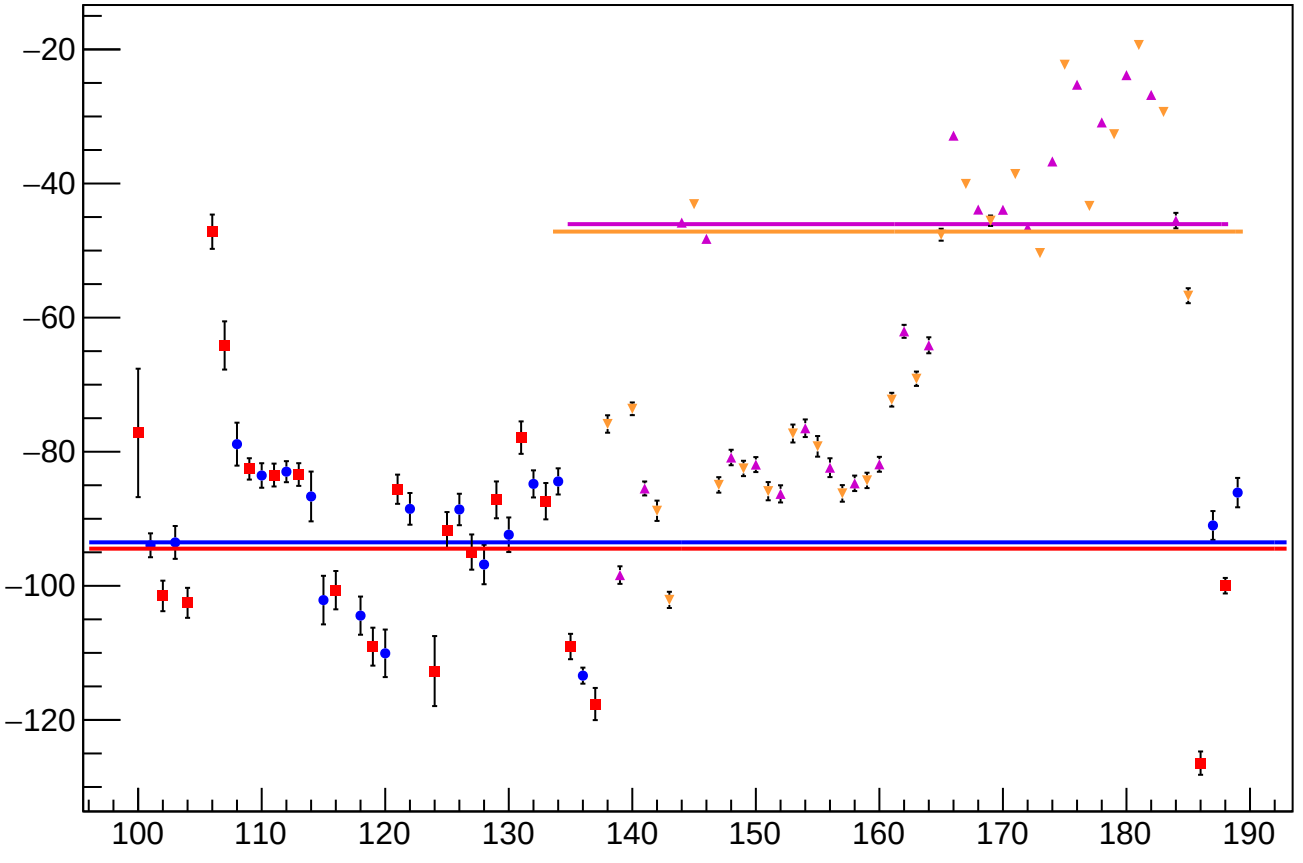
Left In: 0.102+/-0.133 χ^2/NDF:2721.8/22

+ sign 0.422+/-0.128 χ^2/NDF: 3850.7/42

All: 0.073+/-0.091 χ^2/NDF: 6878.9/86

- sign -0.279+/-0.128 χ^2/NDF: 3013.3/43

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -93.512+/-0.507 χ^2/NDF: 480.9/17

Left Out: -47.167+/-0.168 χ^2/NDF:17658.5/24

Right Out: -94.456+/-0.473 χ^2/NDF: 1213.7/20

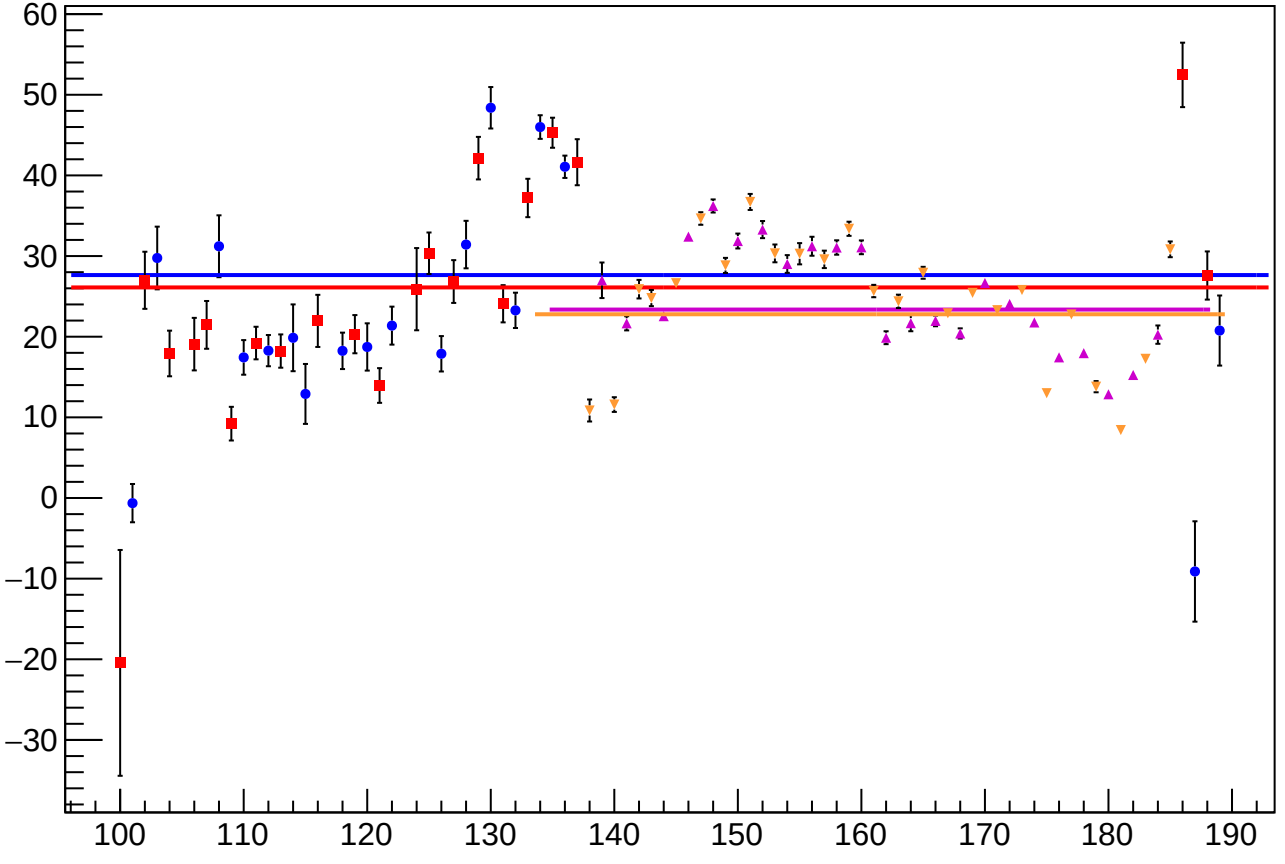
Left In: -46.058+/-0.170 χ^2/NDF:14769.8/22

\+ sign -51.732+/-0.159 χ^2/NDF: 25676.5/42

All: -51.667+/-0.113 χ^2/NDF: 50926.6/86

\- sign -51.602+/-0.160 χ^2/NDF: 25249.8/43

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 27.643+/-0.562 χ^2/NDF: 621.1/17

Left Out: 22.782+/-0.147 χ^2/NDF:2412.9/24

Right Out: 26.110+/-0.573 χ^2/NDF: 399.5/20

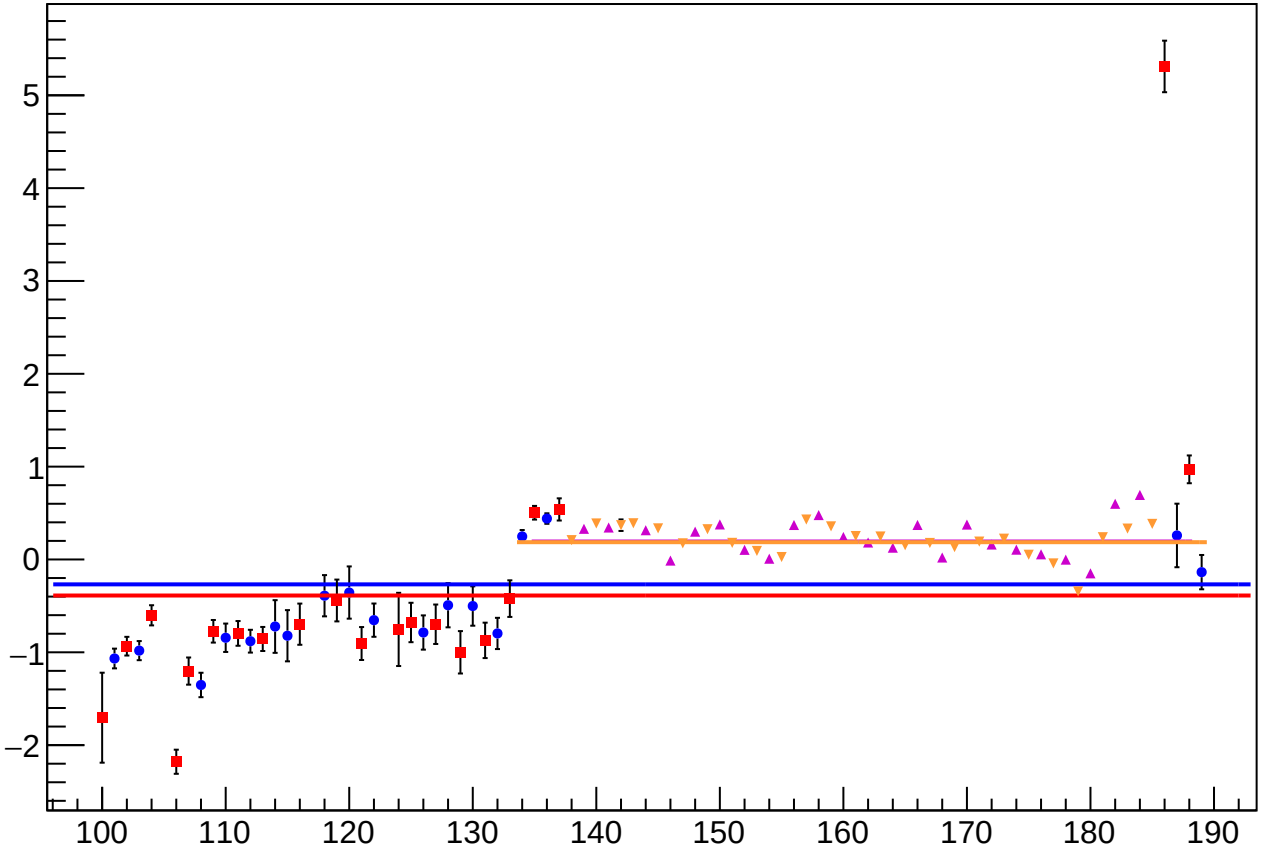
Left In: 23.366+/-0.149 χ^2/NDF:1785.4/22

+ sign 23.095+/-0.142 χ^2/NDF: 3104.1/42

All: 23.314+/-0.101 χ^2/NDF: 5315.2/86

- sign 23.539+/-0.144 χ^2/NDF: 2206.3/43

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.268+/-0.030 χ^2/NDF: 458.5/17

Left Out: 0.186+/-0.007 χ^2/NDF:645.7/24

Right Out: -0.388+/-0.032 χ^2/NDF: 1033.8/20

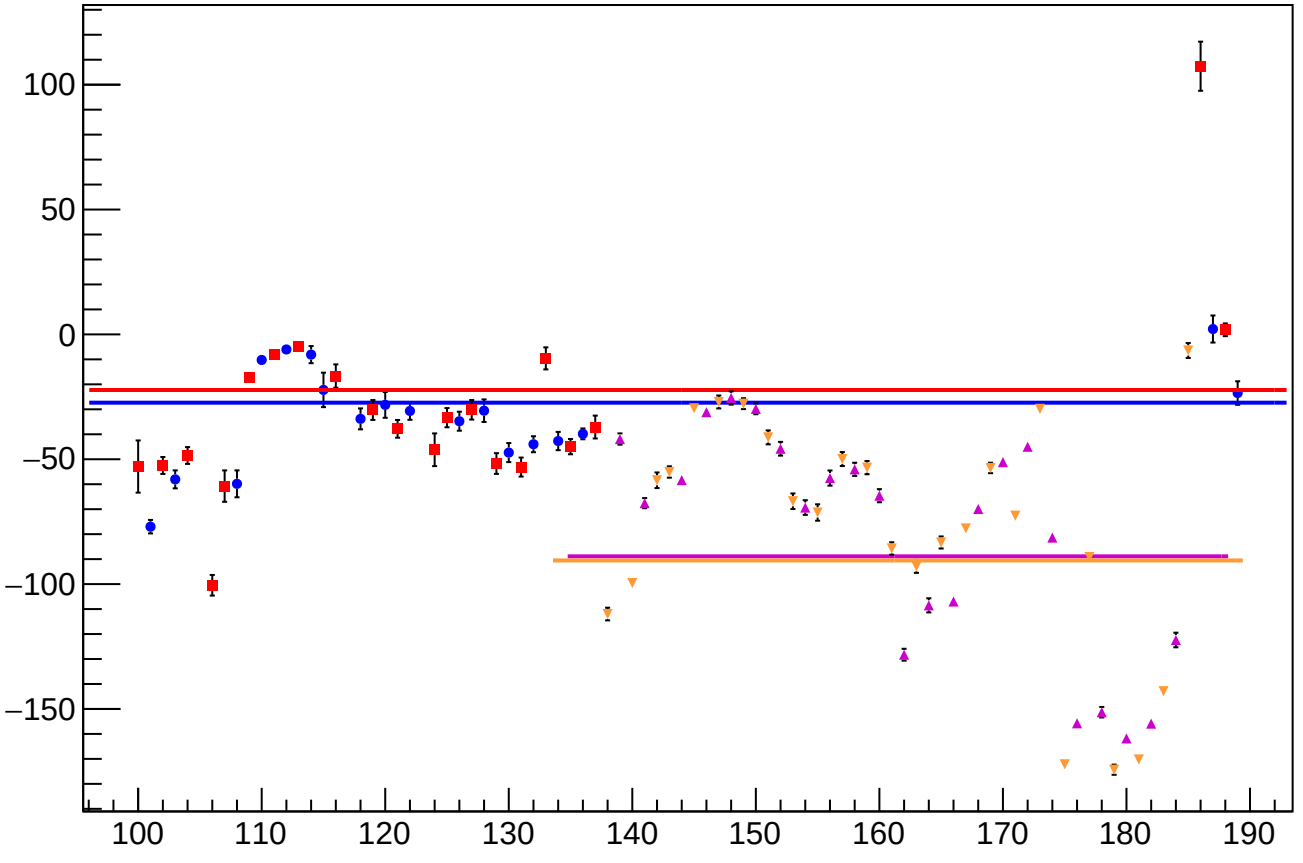
Left In: 0.193+/-0.007 χ^2/NDF:938.2/22

+ sign 0.166+/-0.006 χ^2/NDF: 1321.6/42

All: 0.167+/-0.005 χ^2/NDF: 3612.6/86

- sign 0.169+/-0.007 χ^2/NDF: 2290.9/43

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -27.343+/-0.713 χ^2/NDF: 925.7/17

Left Out: -90.534+/-0.421 χ^2/NDF:15358.6/24

Right Out: -22.268+/-0.640 χ^2/NDF: 1264.1/20

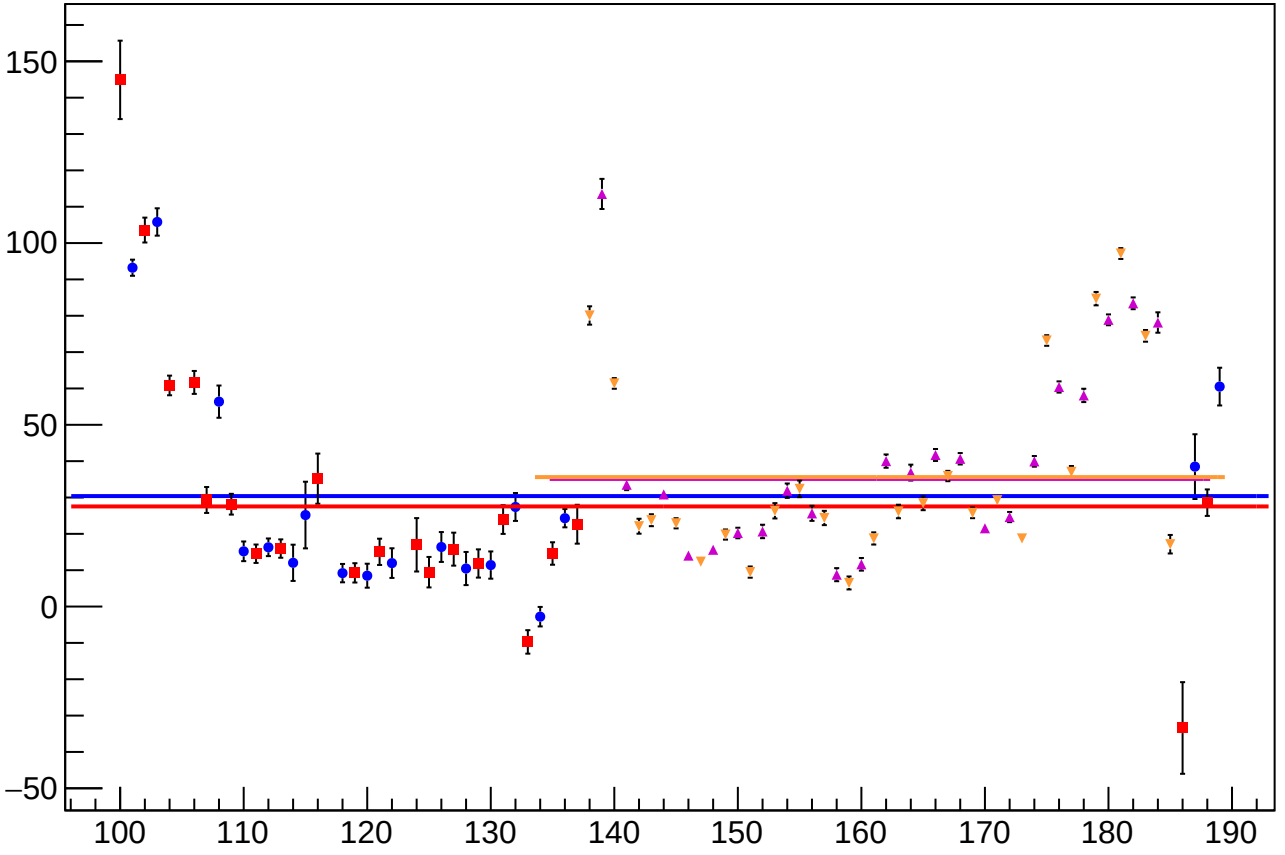
Left In: -88.888+/-0.435 χ^2/NDF:11815.7/22

\+ sign -74.175+/-0.363 χ^2/NDF: 22108.9/42

All: -70.999+/-0.255 χ^2/NDF: 42754.4/86

\- sign -67.878+/-0.360 χ^2/NDF: 20493.5/43

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 30.389+/-0.794 χ^2/NDF: 1701.2/17

Left Out: 35.612+/-0.326 χ^2/NDF:5973.0/24

Right Out: 27.542+/-0.777 χ^2/NDF: 1208.6/20

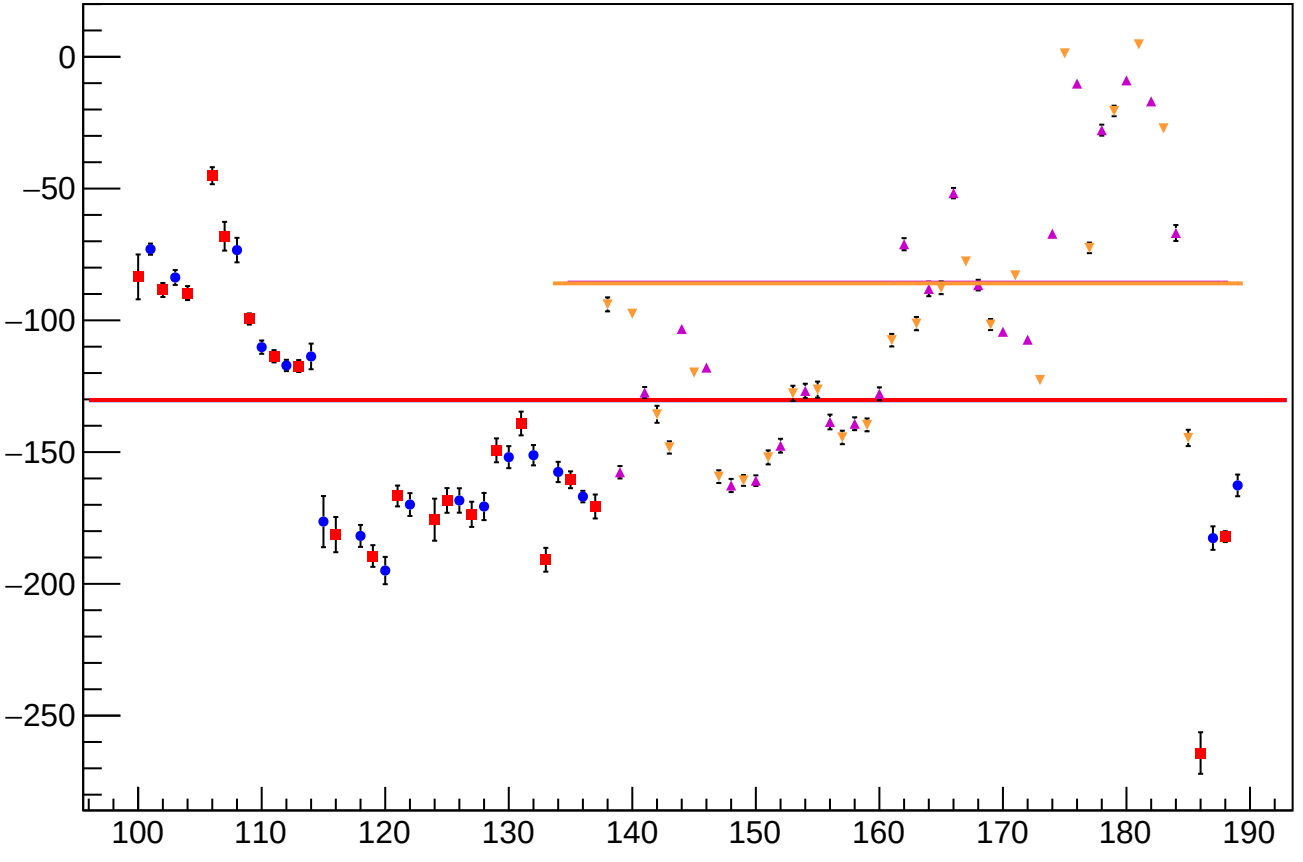
Left In: 35.112+/-0.336 χ^2/NDF:4144.4/22

+ sign 34.860+/-0.301 χ^2/NDF: 7711.2/42

All: 34.400+/-0.216 χ^2/NDF: 13148.9/86

- sign 33.917+/-0.309 χ^2/NDF: 5433.0/43

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -130.318+/-0.800 χ^2/NDF: 2392.1/17

Left Out: -85.969+/-0.421 χ^2/NDF:16232.5/24

Right Out: -130.216+/-0.741 χ^2/NDF: 3449.4/20

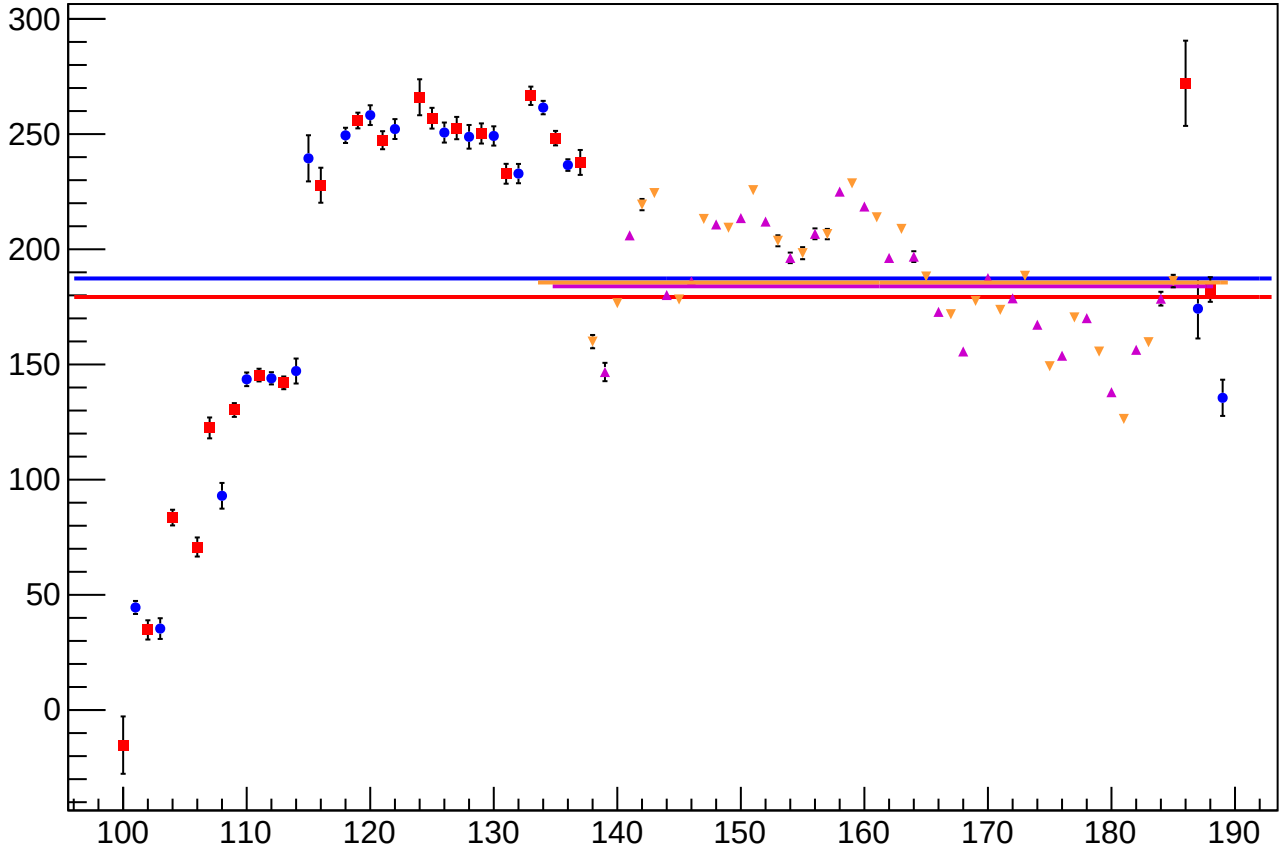
Left In: -85.705+/-0.432 χ^2/NDF:13758.7/22

+ sign -95.585+/-0.372 χ^2/NDF: 21032.9/42

All: -96.301+/-0.264 χ^2/NDF: 40941.5/86

- sign -97.021+/-0.373 χ^2/NDF: 19901.1/43

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 187.334+/-0.910 χ^2/NDF: 7163.8/17

Left Out: 185.583+/-0.367 χ^2/NDF:5354.7/24

Right Out: 179.288+/-0.894 χ^2/NDF: 6694.4/20

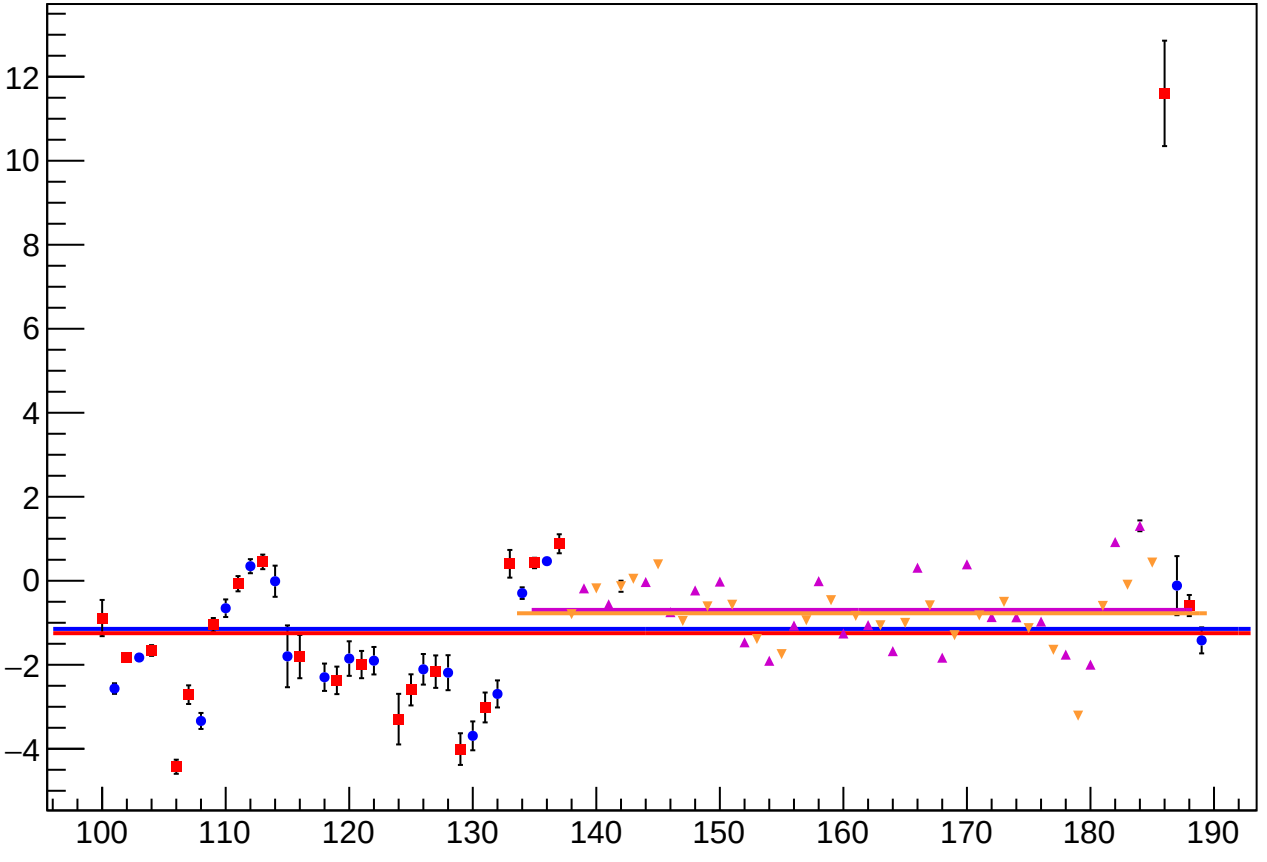
Left In: 183.940+/-0.378 χ^2/NDF:3873.5/22

+ sign 185.828+/-0.340 χ^2/NDF: 12521.7/42

All: 184.561+/-0.243 χ^2/NDF: 23141.0/86

- sign 183.236+/-0.348 χ^2/NDF: 10590.9/43

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.146+/-0.047 χ^2/NDF: 790.3/17

Left Out: -0.774+/-0.016 χ^2/NDF:1822.9/24

Right Out: -1.248+/-0.047 χ^2/NDF: 1110.7/20

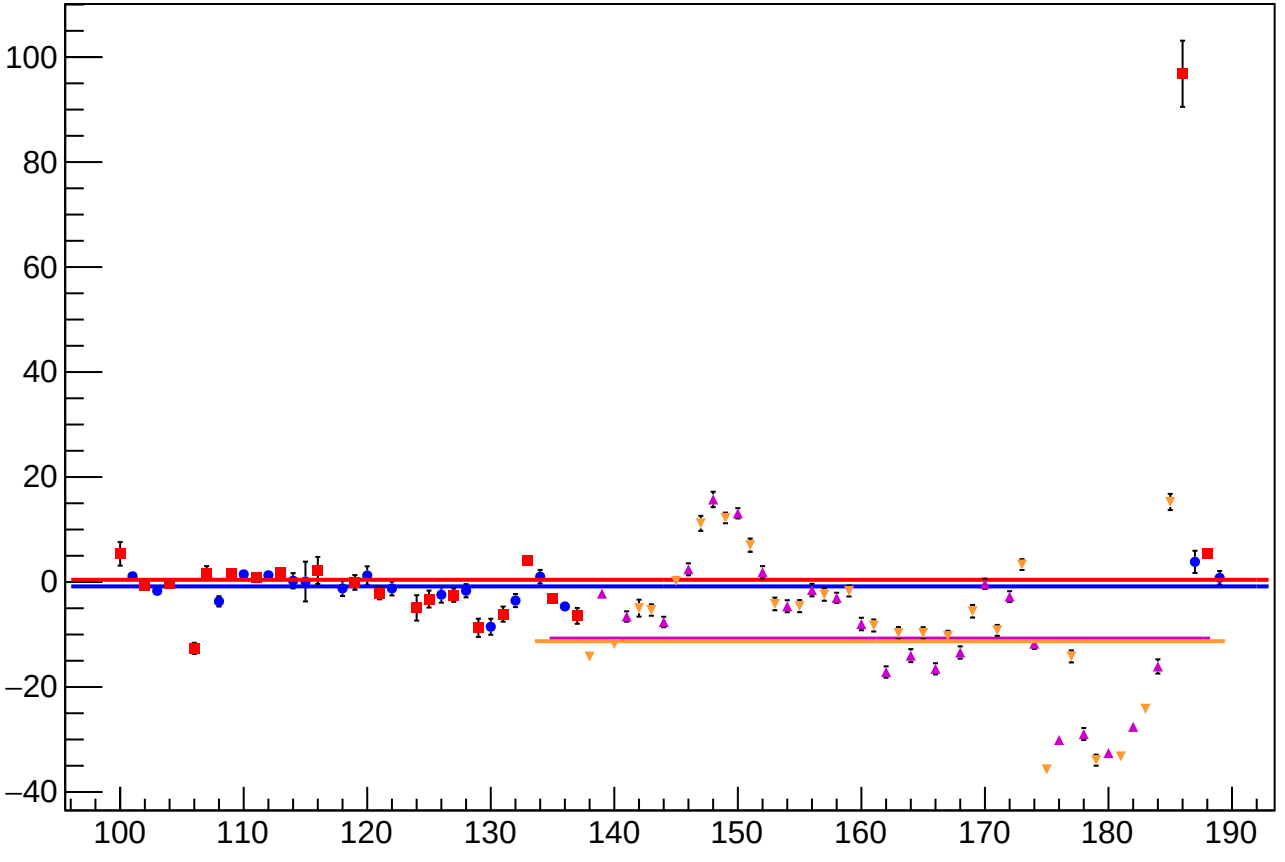
Left In: -0.694+/-0.017 χ^2/NDF:2565.3/22

+ sign -0.814+/-0.016 χ^2/NDF: 2668.3/42

All: -0.786+/-0.011 χ^2/NDF: 6476.2/86

- sign -0.757+/-0.016 χ^2/NDF: 3801.4/43

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -0.836+/-0.247 χ^2/NDF: 109.9/17

Left Out: -11.283+/-0.208 χ^2/NDF:4500.3/24

Right Out: 0.425+/-0.210 χ^2/NDF: 594.6/20

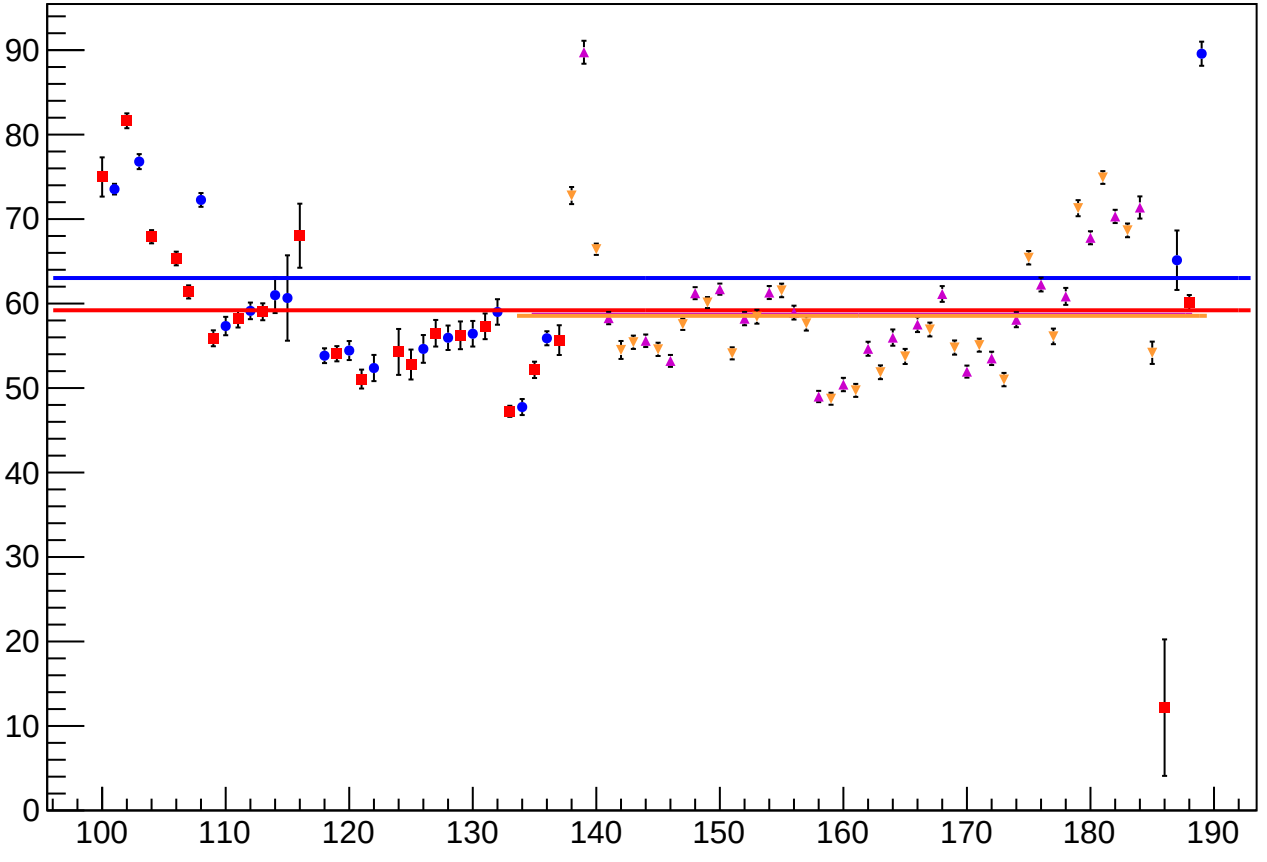
Left In: -10.776+/-0.213 χ^2/NDF:3699.2/22

+ sign -6.946+/-0.159 χ^2/NDF: 5657.9/42

All: -5.963+/-0.109 χ^2/NDF: 11422.1/86

- sign -5.092+/-0.150 χ^2/NDF: 5692.2/43

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 63.022+/-0.260 χ^2/NDF: 1659.6/17

Left Out: 58.550+/-0.161 χ^2/NDF:1902.5/24

Right Out: 59.204+/-0.236 χ^2/NDF: 1436.9/20

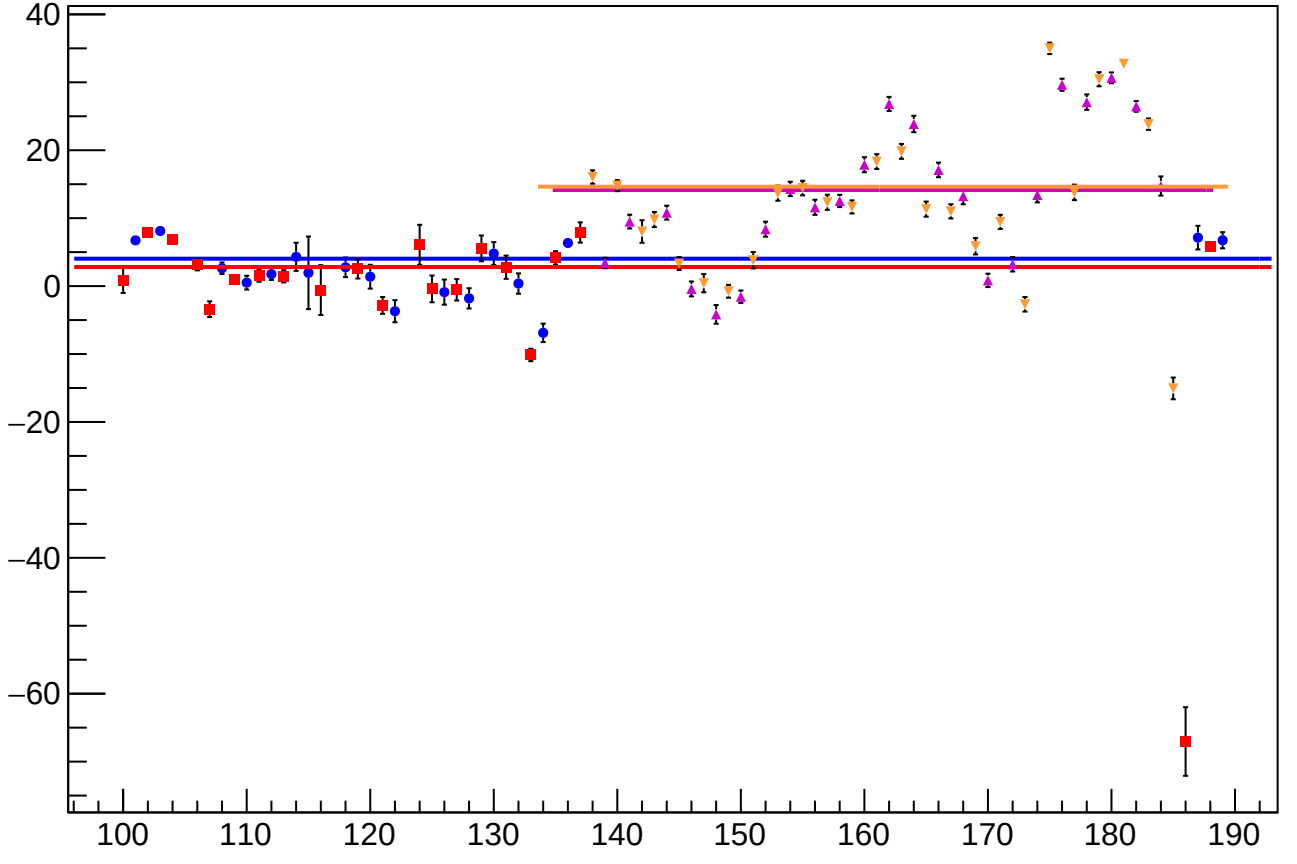
Left In: 58.679+/-0.168 χ^2/NDF:1613.4/22

+ sign 59.790+/-0.137 χ^2/NDF: 3775.7/42

All: 59.323+/-0.097 χ^2/NDF: 6852.5/86

- sign 58.856+/-0.137 χ^2/NDF: 3053.6/43

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 4.035+/-0.256 χ^2/NDF: 217.6/17

Left Out: 14.634+/-0.207 χ^2/NDF:2962.1/24

Right Out: 2.811+/-0.221 χ^2/NDF: 603.6/20

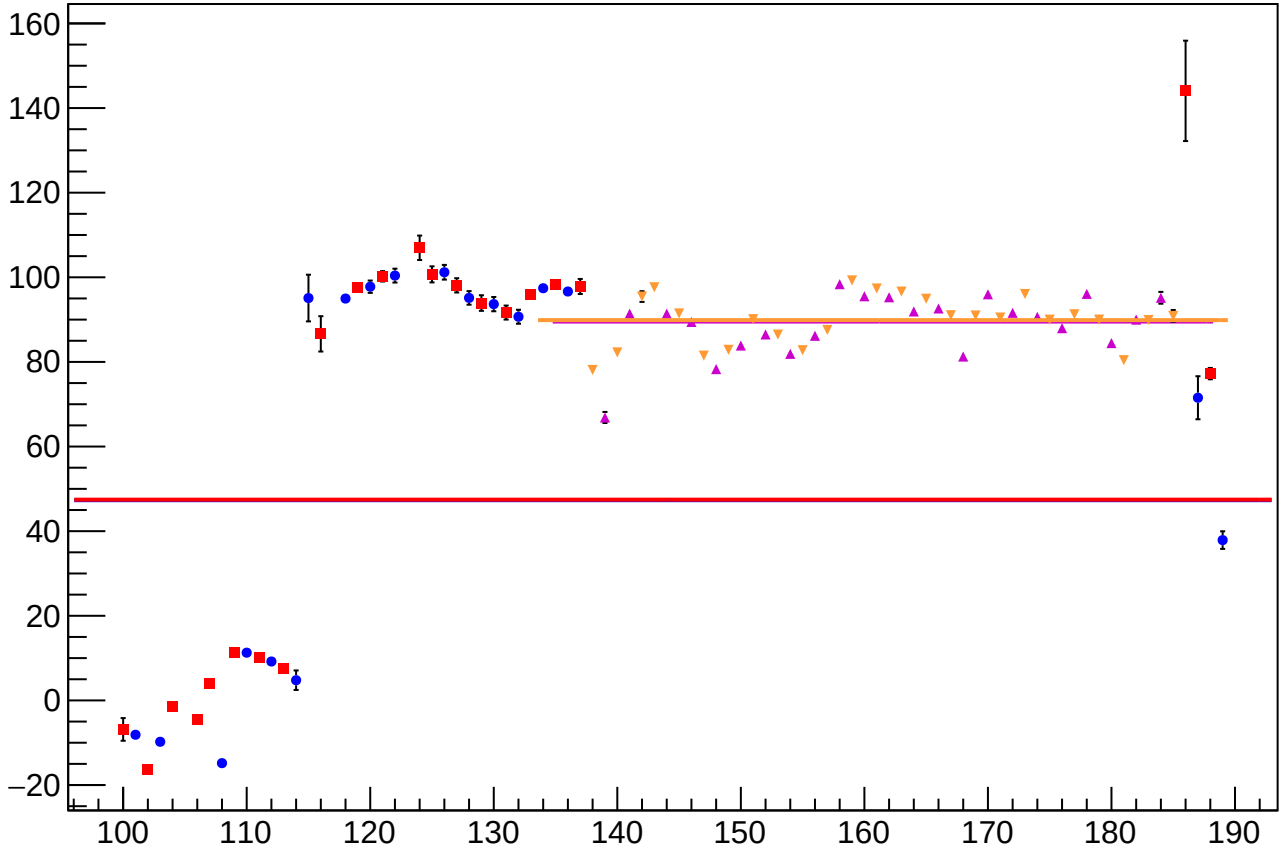
Left In: 14.146+/-0.211 χ^2/NDF:2541.2/22

\+ sign 10.453+/-0.161 χ^2/NDF: 4216.9/42

All: 9.548+/-0.111 χ^2/NDF: 8796.8/86

\- sign 8.732+/-0.153 χ^2/NDF: 4519.6/43

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 47.325+/-0.304 χ^2/NDF: 26930.2/17

Left Out: 89.875+/-0.181 χ^2/NDF:1065.4/24

Right Out: 47.450+/-0.278 χ^2/NDF: 29482.1/20

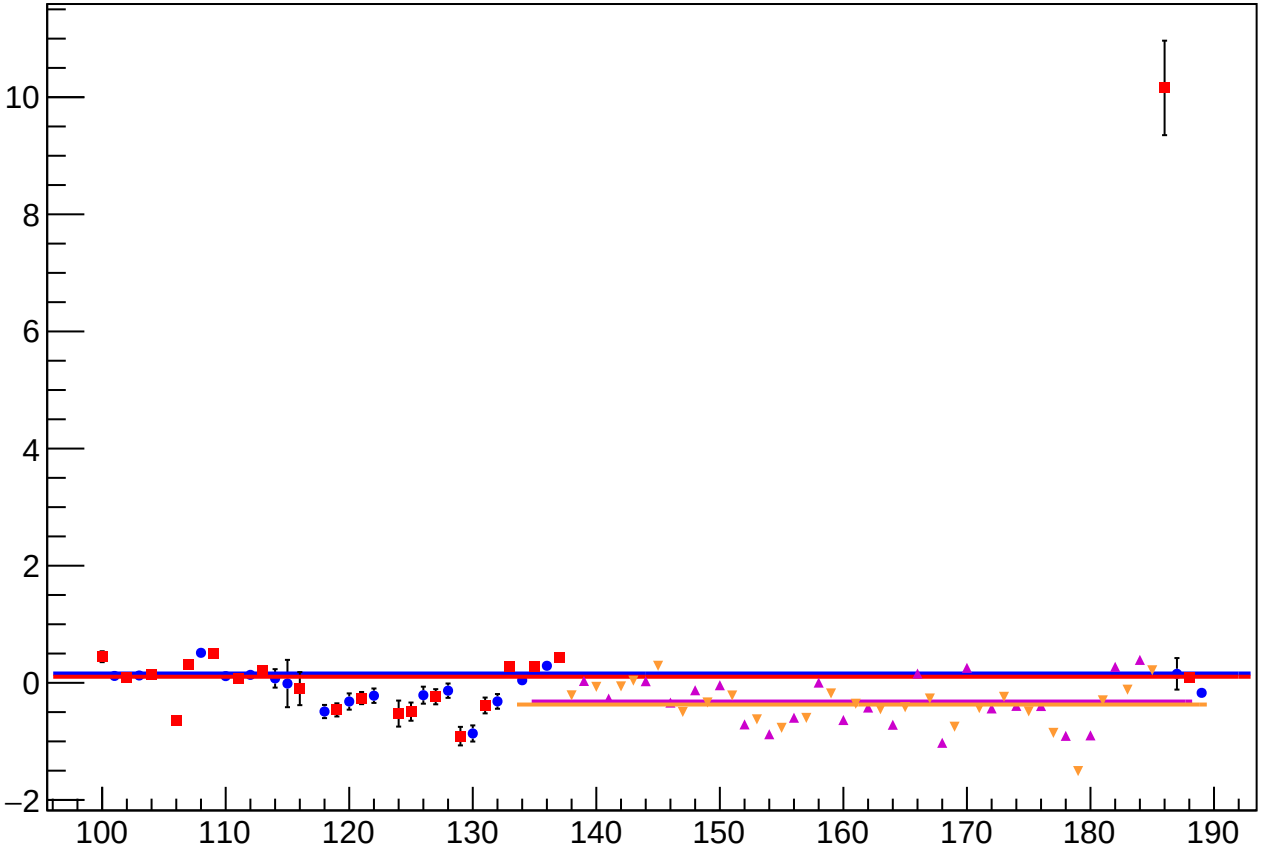
Left In: 89.541+/-0.188 χ^2/NDF:1095.3/22

+ sign 78.747+/-0.156 χ^2/NDF: 42444.4/42

All: 77.567+/-0.110 χ^2/NDF: 88879.2/86

- sign 76.388+/-0.155 χ^2/NDF: 46319.8/43

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.159+/-0.014 χ^2/NDF: 287.6/17

Left Out: -0.371+/-0.008 χ^2/NDF:1769.5/24

Right Out: 0.104+/-0.013 χ^2/NDF: 714.2/20

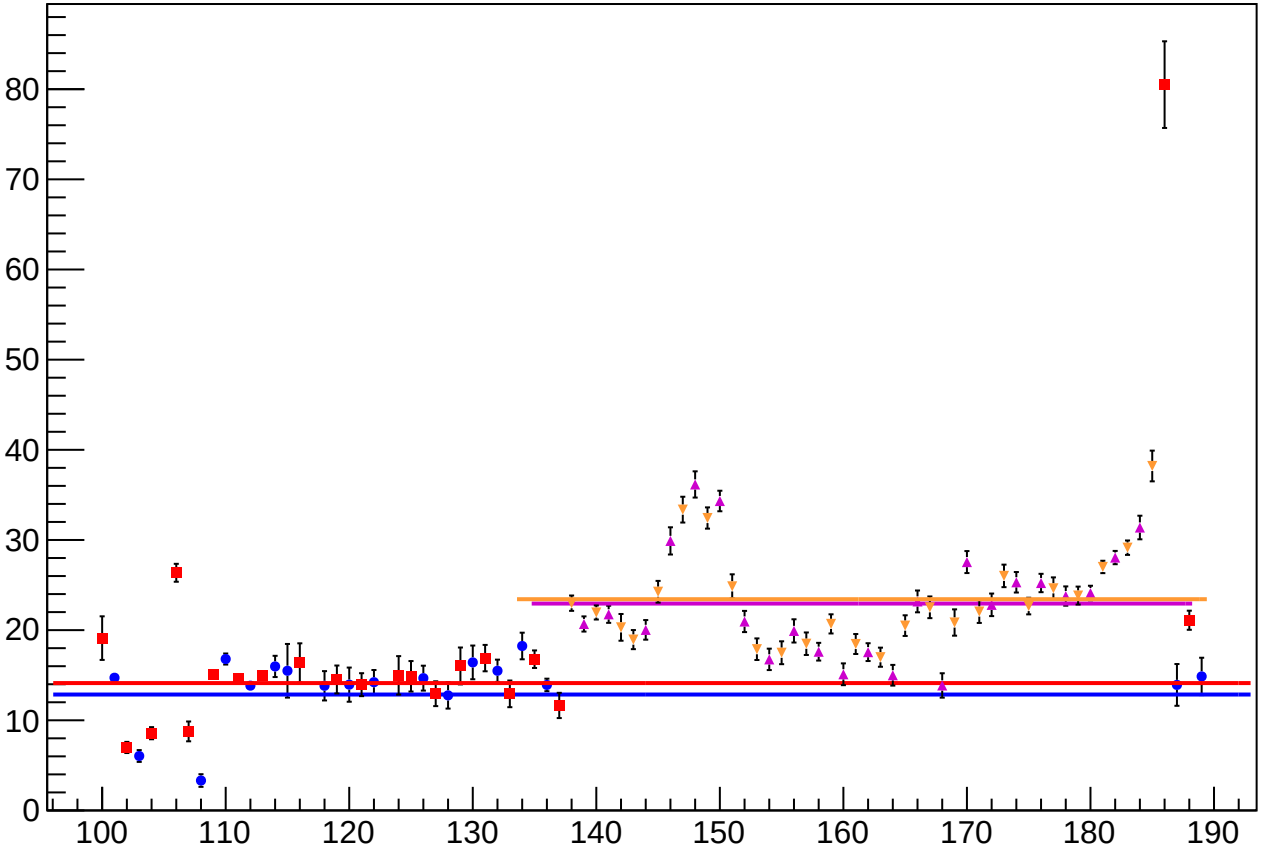
Left In: -0.319+/-0.008 χ^2/NDF:2441.1/22

+ sign -0.238+/-0.007 χ^2/NDF: 3151.8/42

All: -0.220+/-0.005 χ^2/NDF: 7075.1/86

- sign -0.202+/-0.007 χ^2/NDF: 3910.3/43

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 12.858+/-0.212 χ^2/NDF: 389.2/17

Left Out: 23.431+/-0.216 χ^2/NDF:427.8/24

Right Out: 14.129+/-0.200 χ^2/NDF: 641.4/20

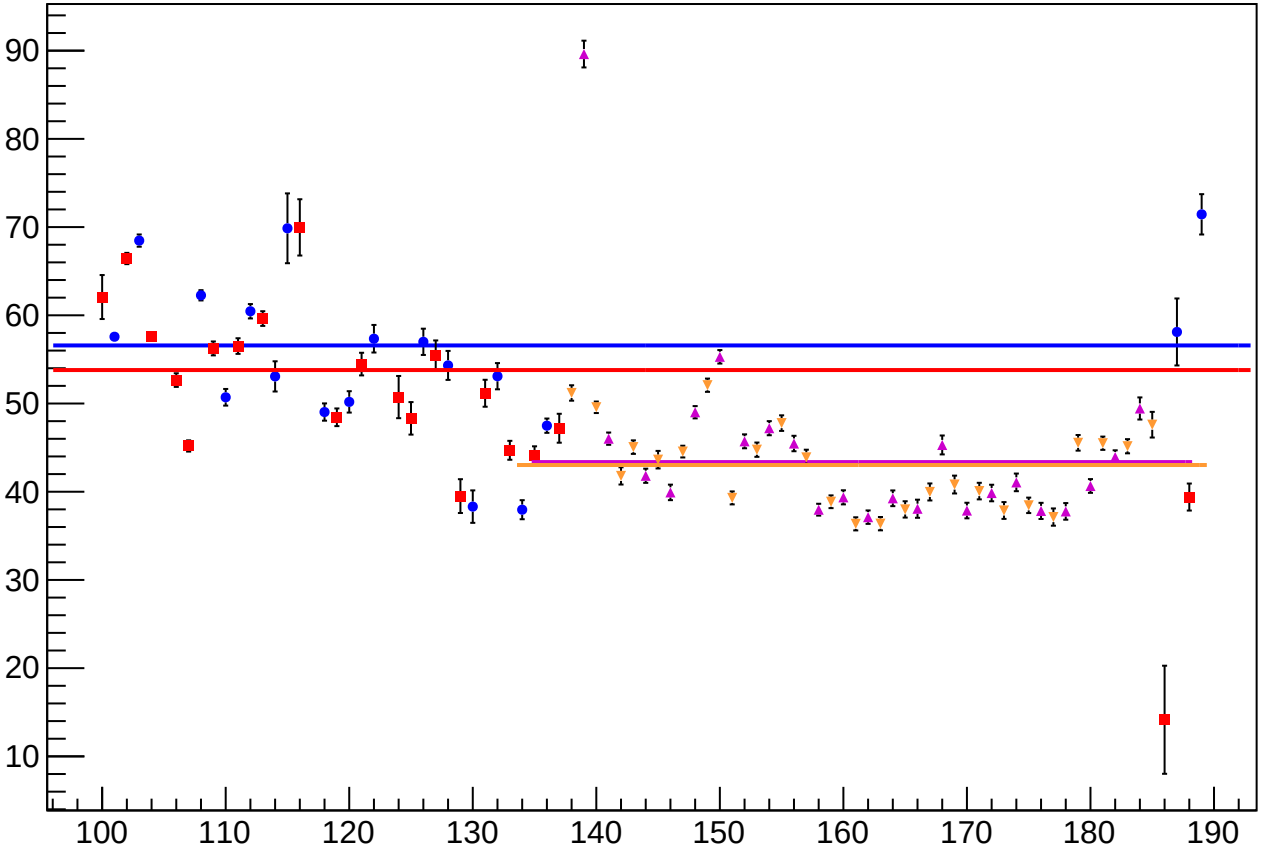
Left In: 22.949+/-0.225 χ^2/NDF:565.2/22

+ sign 18.050+/-0.151 χ^2/NDF: 2038.2/42

All: 18.035+/-0.106 χ^2/NDF: 4100.8/86

- sign 18.020+/-0.150 χ^2/NDF: 2062.6/43

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 56.584+/-0.220 χ^2/NDF: 1130.9/17

Left Out: 43.029+/-0.167 χ^2/NDF:780.7/24

Right Out: 53.794+/-0.222 χ^2/NDF: 1139.5/20

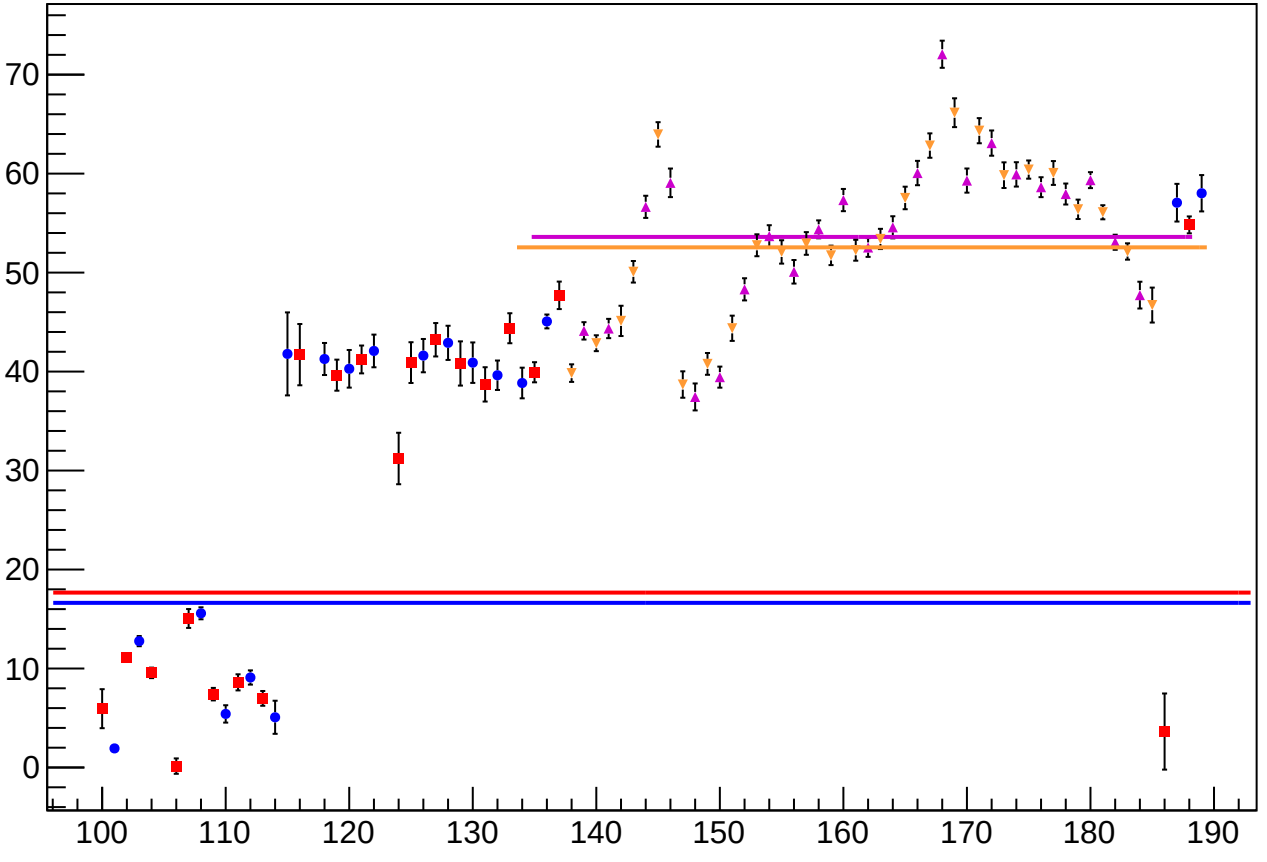
Left In: 43.361+/-0.177 χ^2/NDF:1683.3/22

+ sign 47.983+/-0.133 χ^2/NDF: 4311.1/42

All: 47.711+/-0.096 χ^2/NDF: 8492.2/86

- sign 47.417+/-0.138 χ^2/NDF: 4172.4/43

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 16.634+/-0.211 χ^2/NDF: 6160.4/17

Left Out: 52.550+/-0.215 χ^2/NDF:1186.2/24

Right Out: 17.670+/-0.212 χ^2/NDF: 5896.5/20

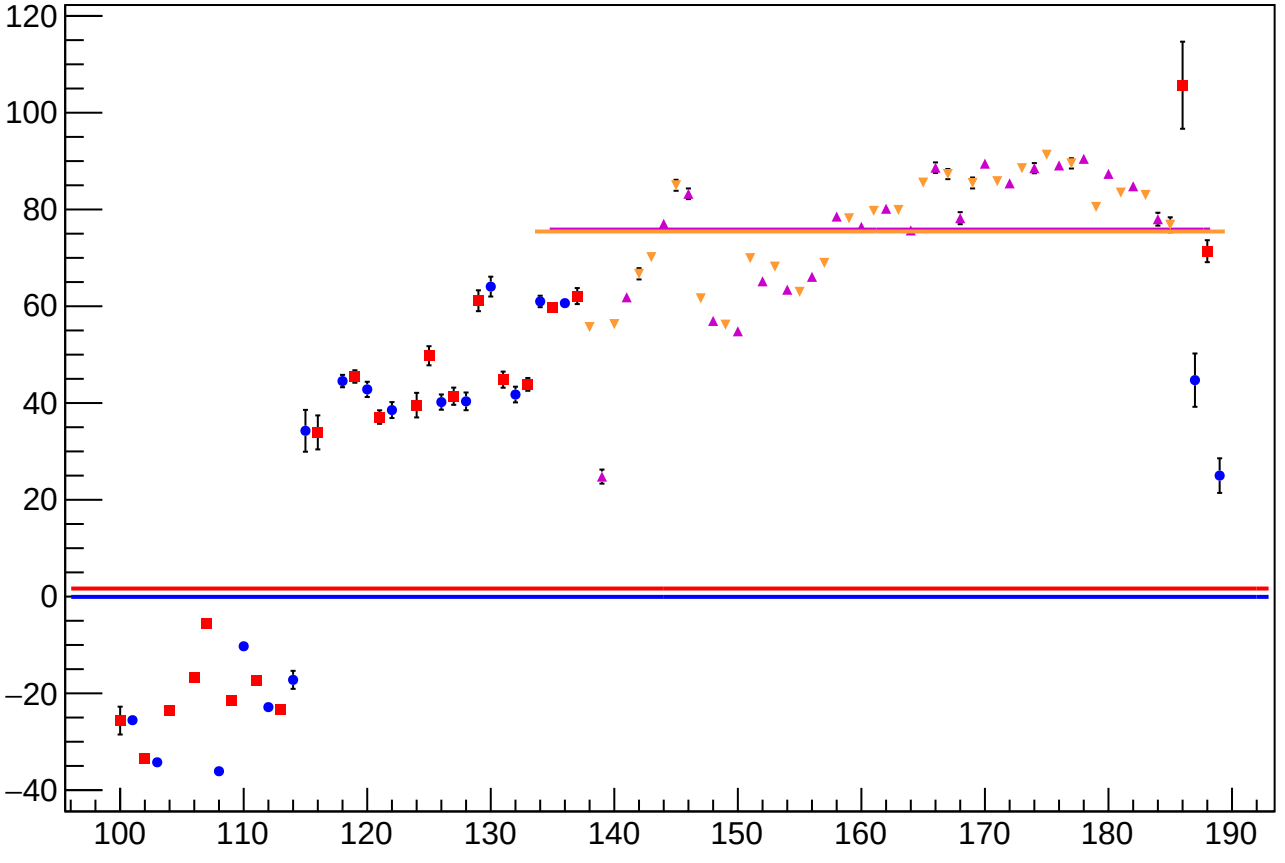
Left In: 53.605+/-0.223 χ^2/NDF:1015.9/22

+ sign 34.310+/-0.151 χ^2/NDF: 21573.9/42

All: 34.517+/-0.108 χ^2/NDF: 42140.1/86

- sign 34.732+/-0.154 χ^2/NDF: 20562.3/43

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: -0.061+/-0.260 χ^2/NDF: 21146.8/17

Left Out: 75.448+/-0.188 χ^2/NDF:3469.1/24

Right Out: 1.661+/-0.262 χ^2/NDF: 17119.4/20

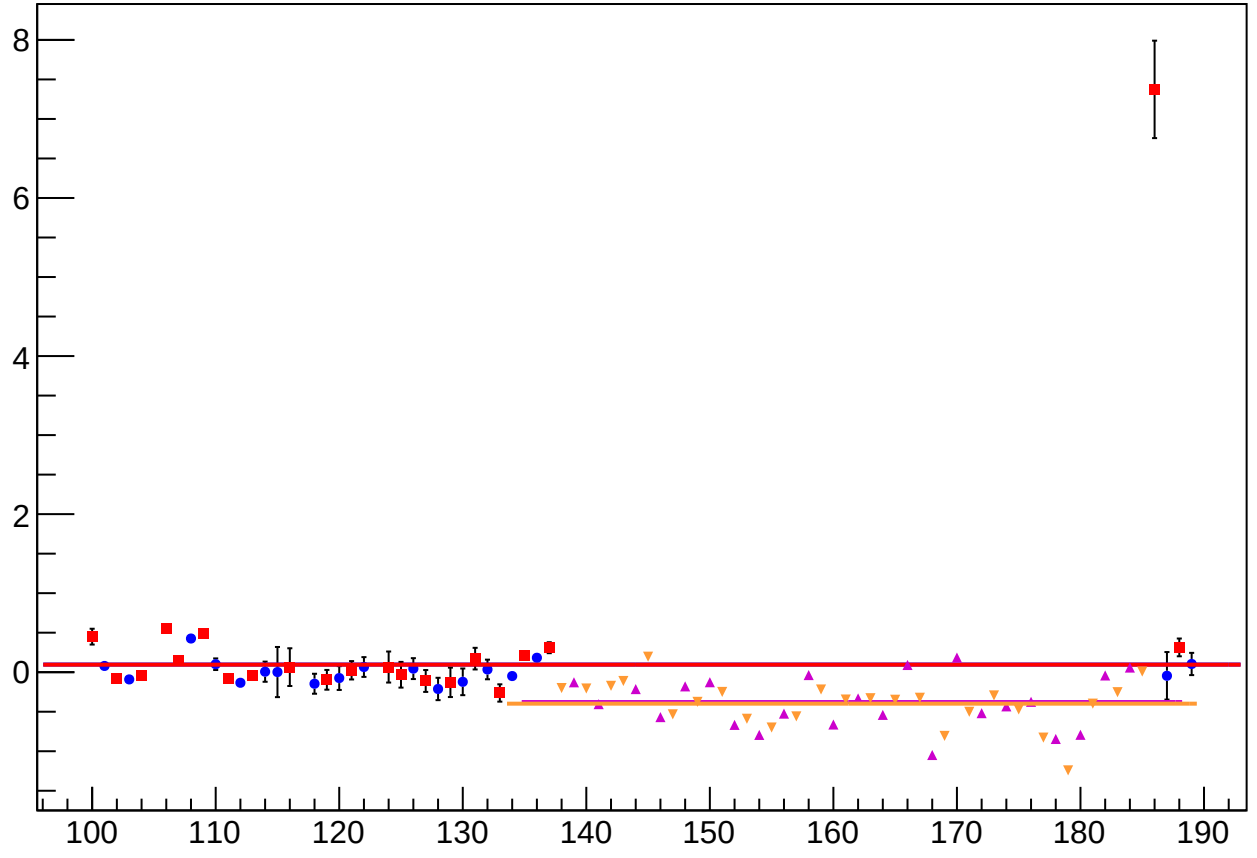
Left In: 75.844+/-0.197 χ^2/NDF:4265.6/22

+ sign 49.515+/-0.153 χ^2/NDF: 79818.3/42

All: 49.253+/-0.110 χ^2/NDF: 152439.0/86

- sign 48.973+/-0.158 χ^2/NDF: 72614.6/43

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.097+/-0.011 χ^2/NDF: 299.4/17

Left Out: -0.398+/-0.008 χ^2/NDF:1031.5/24

Right Out: 0.095+/-0.011 χ^2/NDF: 542.8/20

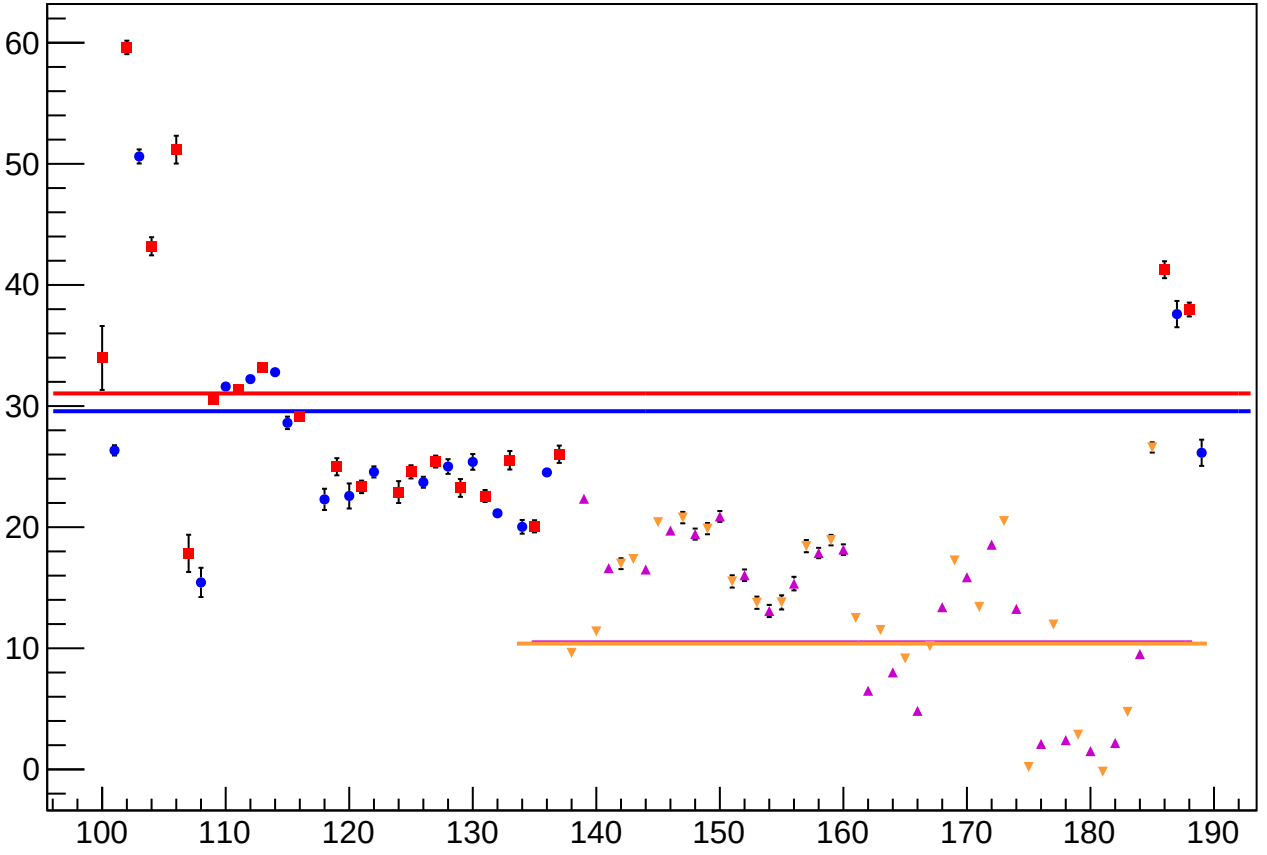
Left In: -0.378+/-0.009 χ^2/NDF:1351.5/22

+ sign -0.219+/-0.007 χ^2/NDF: 2583.5/42

All: -0.212+/-0.005 χ^2/NDF: 5585.5/86

- sign -0.205+/-0.007 χ^2/NDF: 2999.8/43

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 29.575+/-0.091 χ^2/NDF: 3437.1/17

Left Out: 10.390+/-0.064 χ^2/NDF:13792.8/24

Right Out: 31.044+/-0.079 χ^2/NDF: 5450.9/20

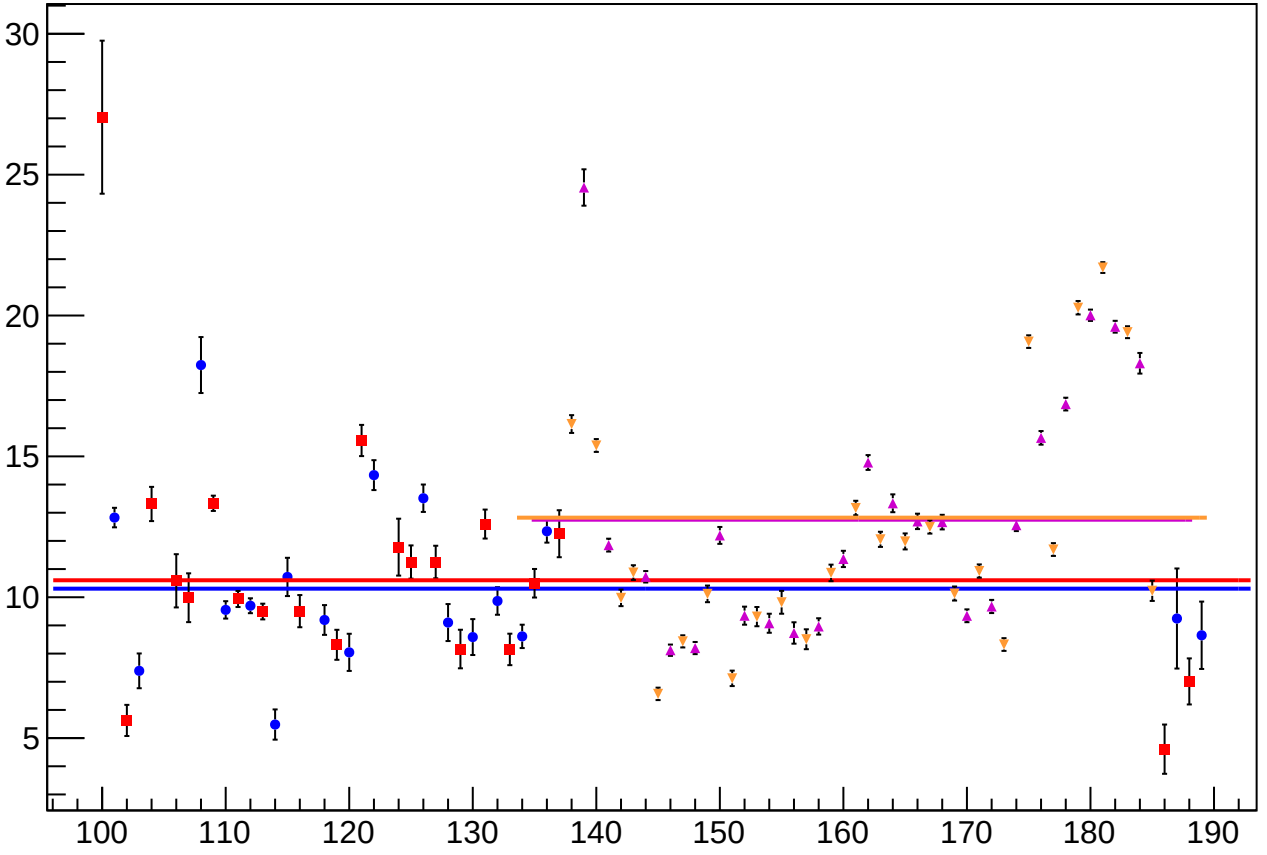
Left In: 10.488+/-0.067 χ^2/NDF:11498.1/22

+ sign 16.727+/-0.052 χ^2/NDF: 46797.7/42

All: 17.934+/-0.037 χ^2/NDF: 104338.7/86

- sign 19.073+/-0.051 χ^2/NDF: 56513.3/43

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.304+/-0.113 χ^2/NDF: 404.9/17

Left Out: 12.825+/-0.051 χ^2/NDF:8016.5/24

Right Out: 10.603+/-0.111 χ^2/NDF: 484.3/20

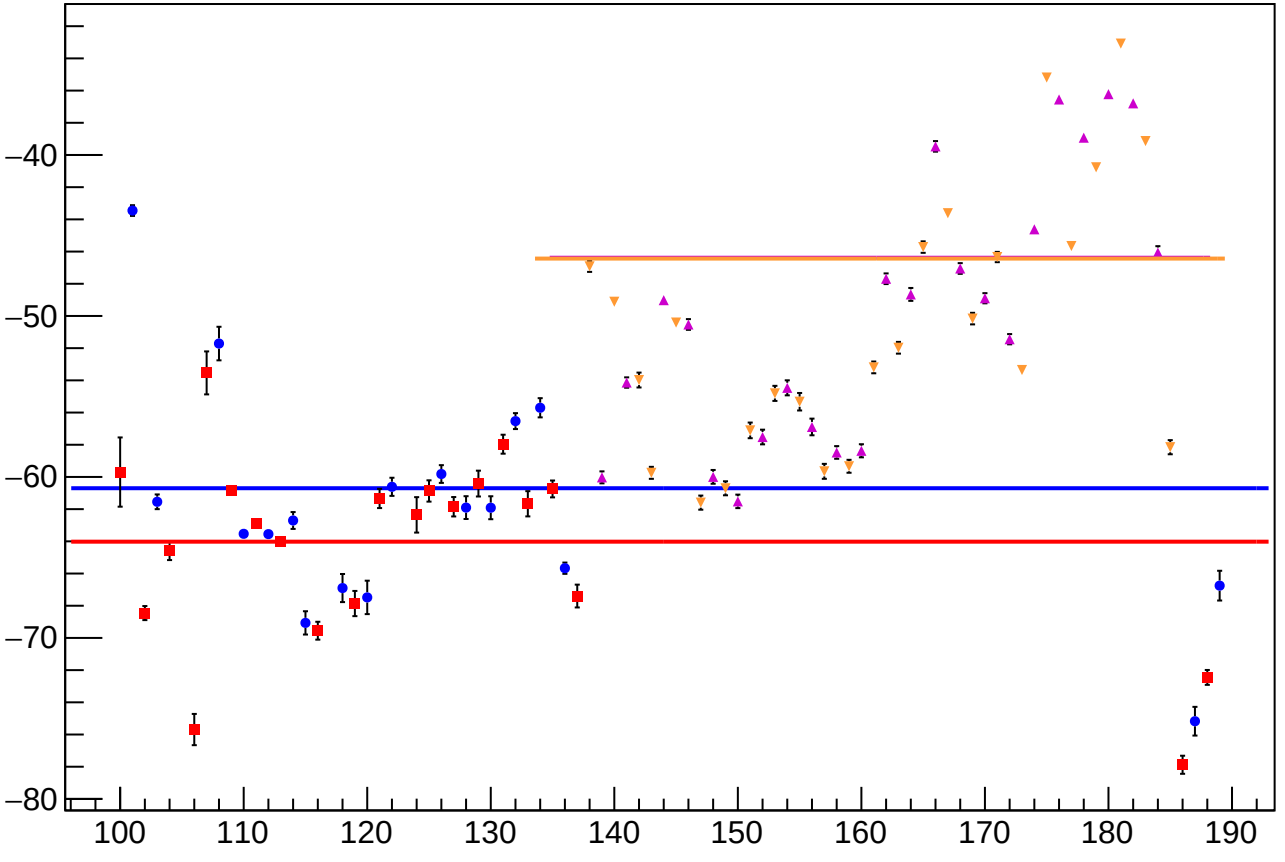
Left In: 12.752+/-0.053 χ^2/NDF:5502.5/22

+ sign 12.399+/-0.047 χ^2/NDF: 8833.2/42

All: 12.377+/-0.033 χ^2/NDF: 15126.5/86

- sign 12.354+/-0.048 χ^2/NDF: 6292.8/43

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -60.700+/-0.111 χ^2/NDF: 3912.1/17

Left Out: -46.435+/-0.064 χ^2/NDF:18170.4/24

Right Out: -64.021+/-0.103 χ^2/NDF: 1866.0/20

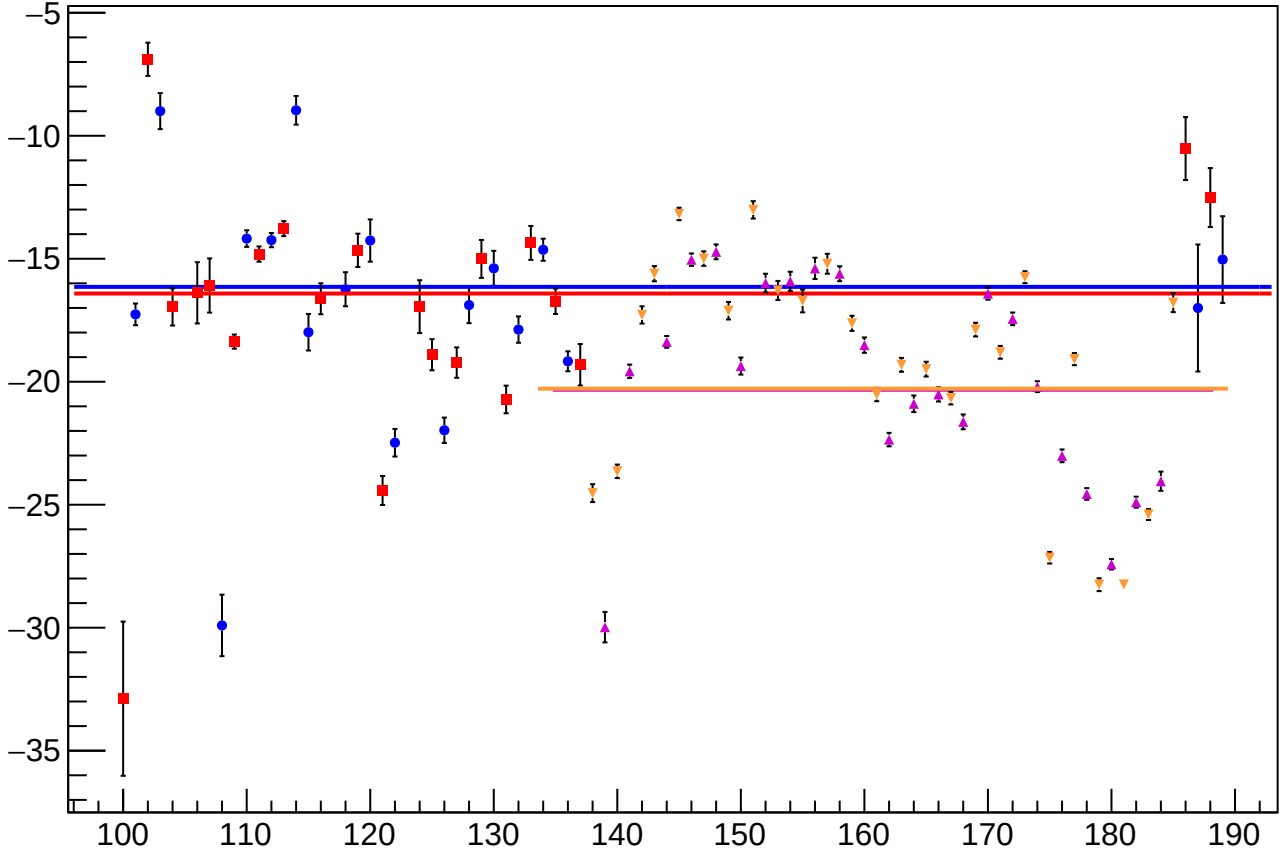
Left In: -46.383+/-0.067 χ^2/NDF:15080.6/22

+ sign -50.015+/-0.056 χ^2/NDF: 34388.4/42

All: -50.817+/-0.040 χ^2/NDF: 72473.0/86

- sign -51.625+/-0.056 χ^2/NDF: 37669.5/43

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.143+/-0.127 χ^2/NDF: 797.6/17

Left Out: -20.281+/-0.057 χ^2/NDF:7019.5/24

Right Out: -16.414+/-0.123 χ^2/NDF: 717.1/20

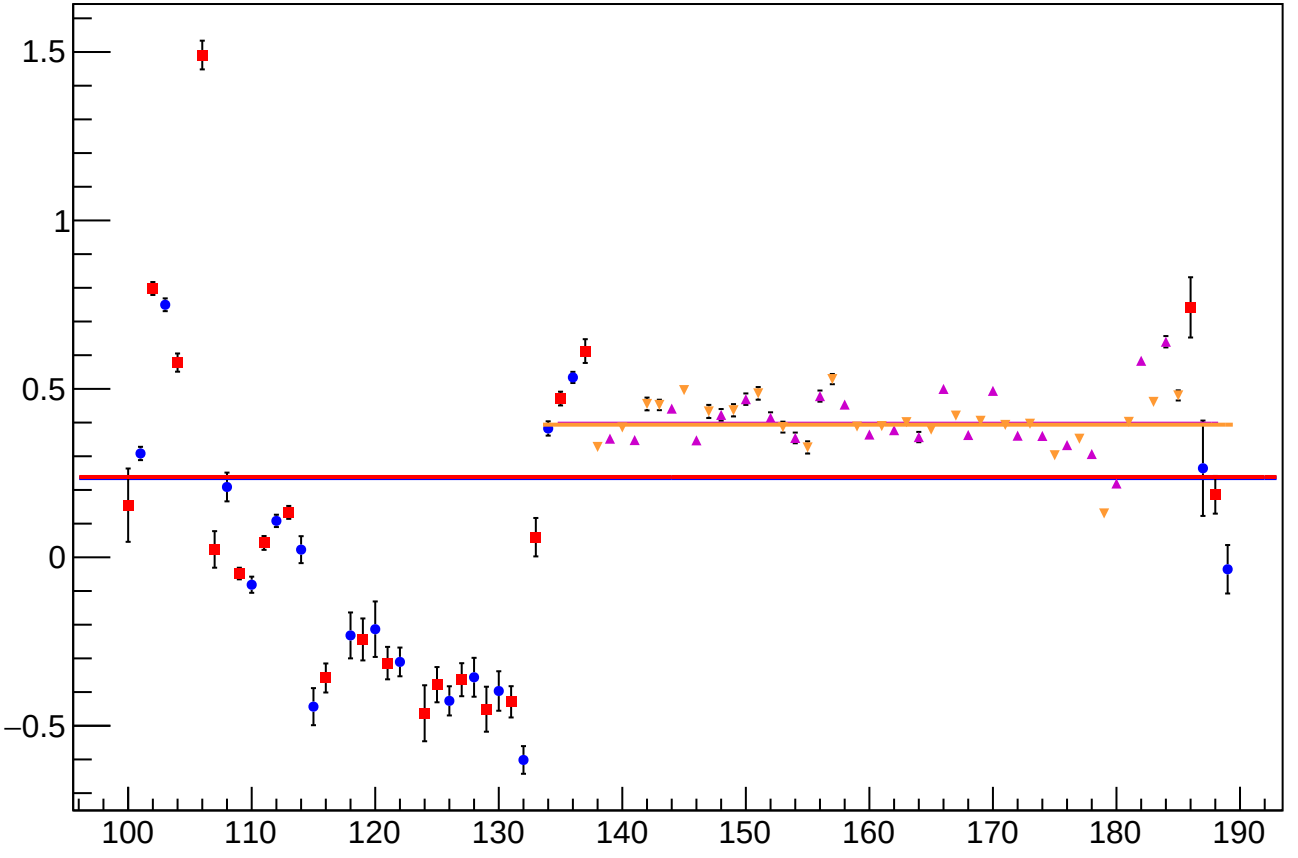
Left In: -20.324+/-0.059 χ^2/NDF:4272.7/22

+ sign -19.583+/-0.052 χ^2/NDF: 8703.9/42

All: -19.589+/-0.037 χ^2/NDF: 14510.7/86

- sign -19.595+/-0.053 χ^2/NDF: 5806.7/43

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: 0.235+/-0.007 χ^2/NDF: 2647.2/17

Left Out: 0.394+/-0.003 χ^2/NDF:946.9/24

Right Out: 0.238+/-0.007 χ^2/NDF: 3627.7/20

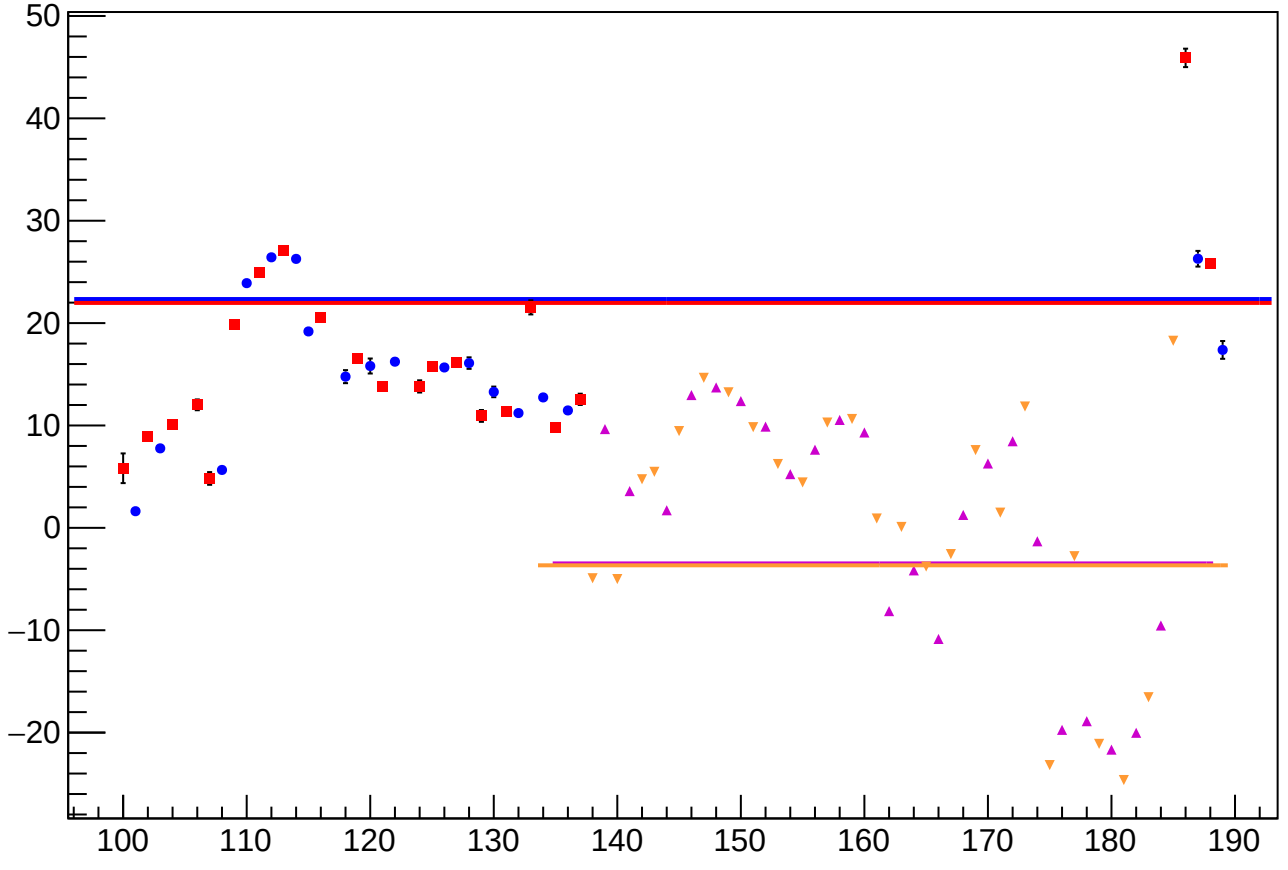
Left In: 0.397+/-0.003 χ^2/NDF:1295.7/22

+ sign 0.375+/-0.002 χ^2/NDF: 4044.2/42

All: 0.376+/-0.002 χ^2/NDF: 9414.0/86

- sign 0.377+/-0.002 χ^2/NDF: 5369.4/43

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 22.351+/-0.056 χ^2/NDF: 12395.9/17

Left Out: -3.660+/-0.055 χ^2/NDF:56739.4/24

Right Out: 21.972+/-0.046 χ^2/NDF: 11493.4/20

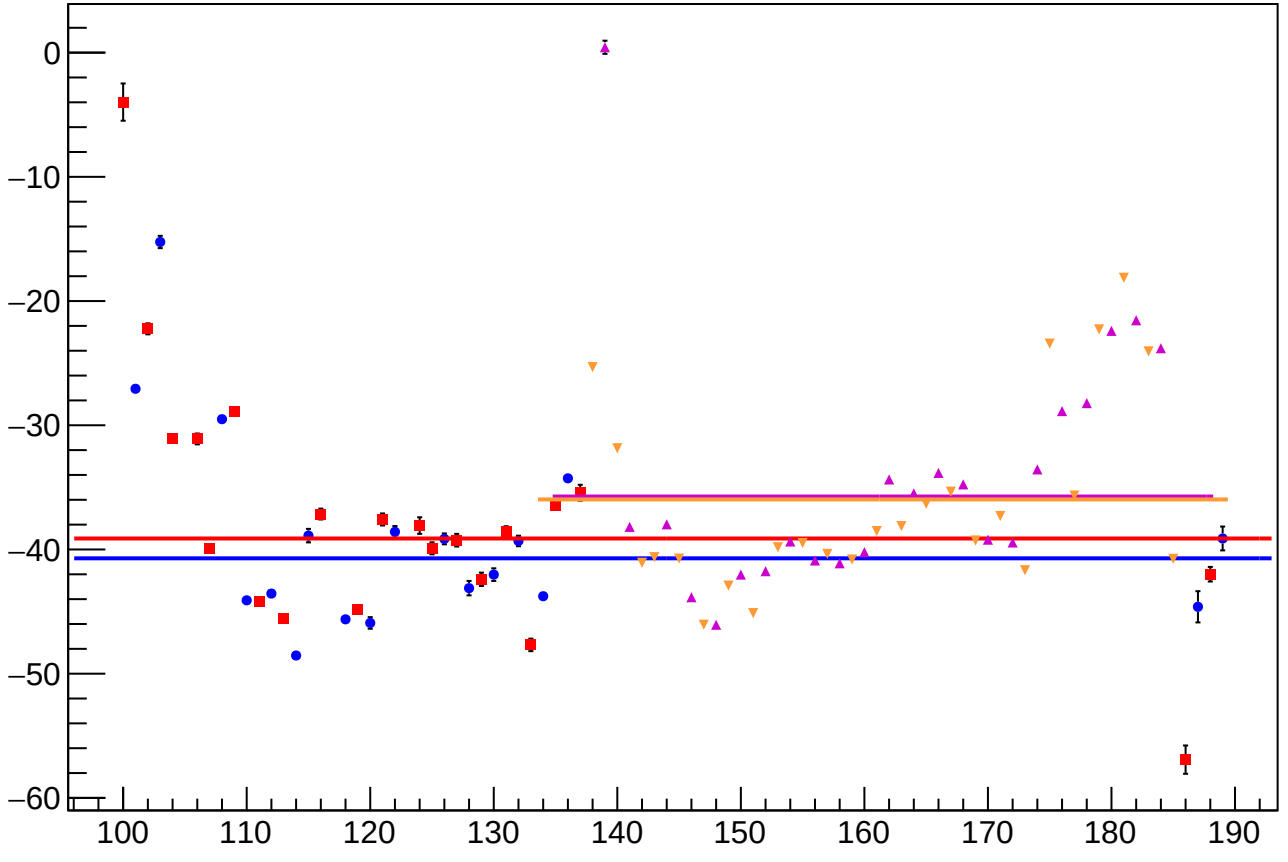
Left In: -3.475+/-0.057 χ^2/NDF:45103.9/22

+ sign 8.935+/-0.039 χ^2/NDF: 179286.0/42

All: 10.624+/-0.026 χ^2/NDF: 359072.2/86

- sign 12.040+/-0.036 χ^2/NDF: 176369.2/43

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -40.713+/-0.076 χ^2/NDF: 7792.8/17

Left Out: -35.973+/-0.042 χ^2/NDF:33609.3/24

Right Out: -39.116+/-0.070 χ^2/NDF: 10371.8/20

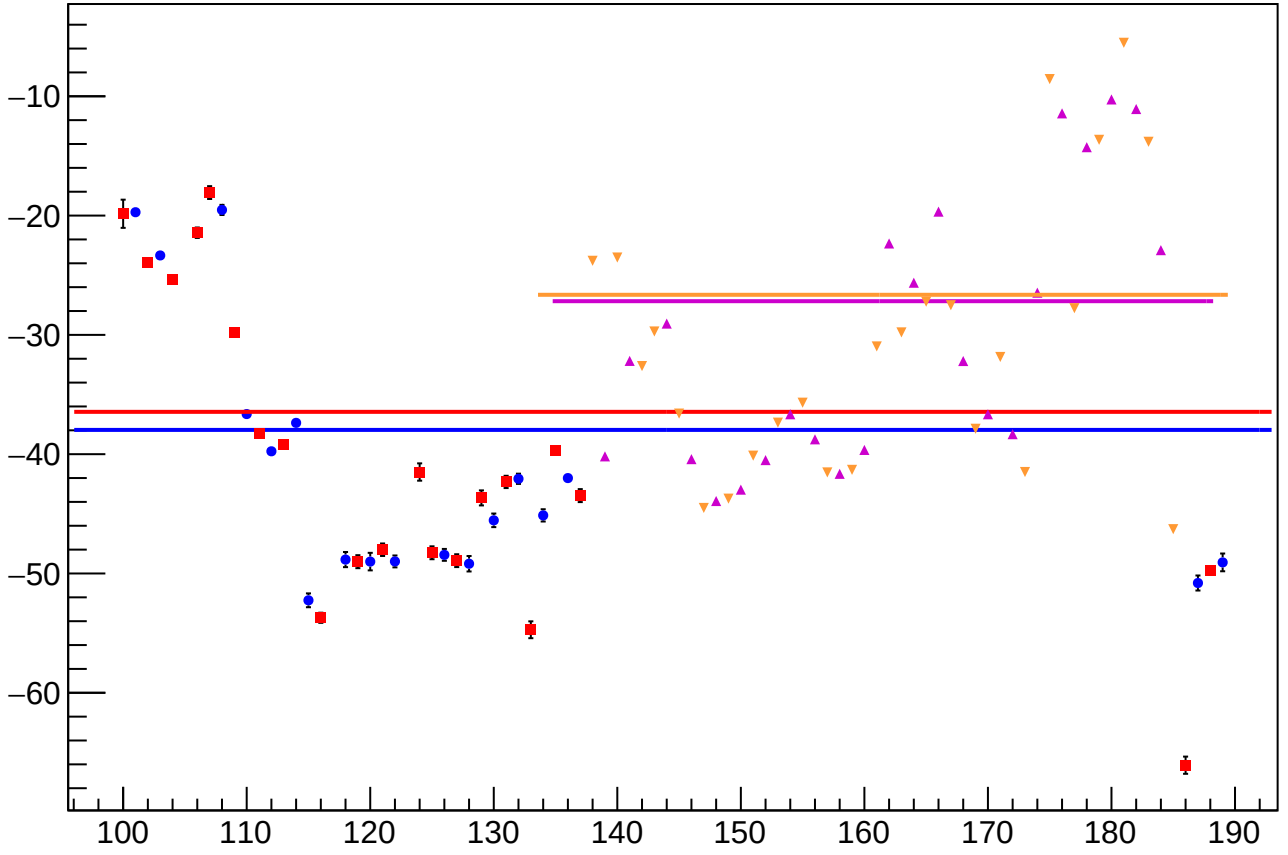
Left In: -35.737+/-0.045 χ^2/NDF:27154.8/22

+ sign -37.097+/-0.037 χ^2/NDF: 44361.7/42

All: -36.910+/-0.026 χ^2/NDF: 83577.3/86

- sign -36.715+/-0.038 χ^2/NDF: 39163.9/43

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -37.966+/-0.073 χ^2/NDF: 11506.2/17

Left Out: -26.639+/-0.055 χ^2/NDF:50051.9/24

Right Out: -36.451+/-0.063 χ^2/NDF: 16709.9/20

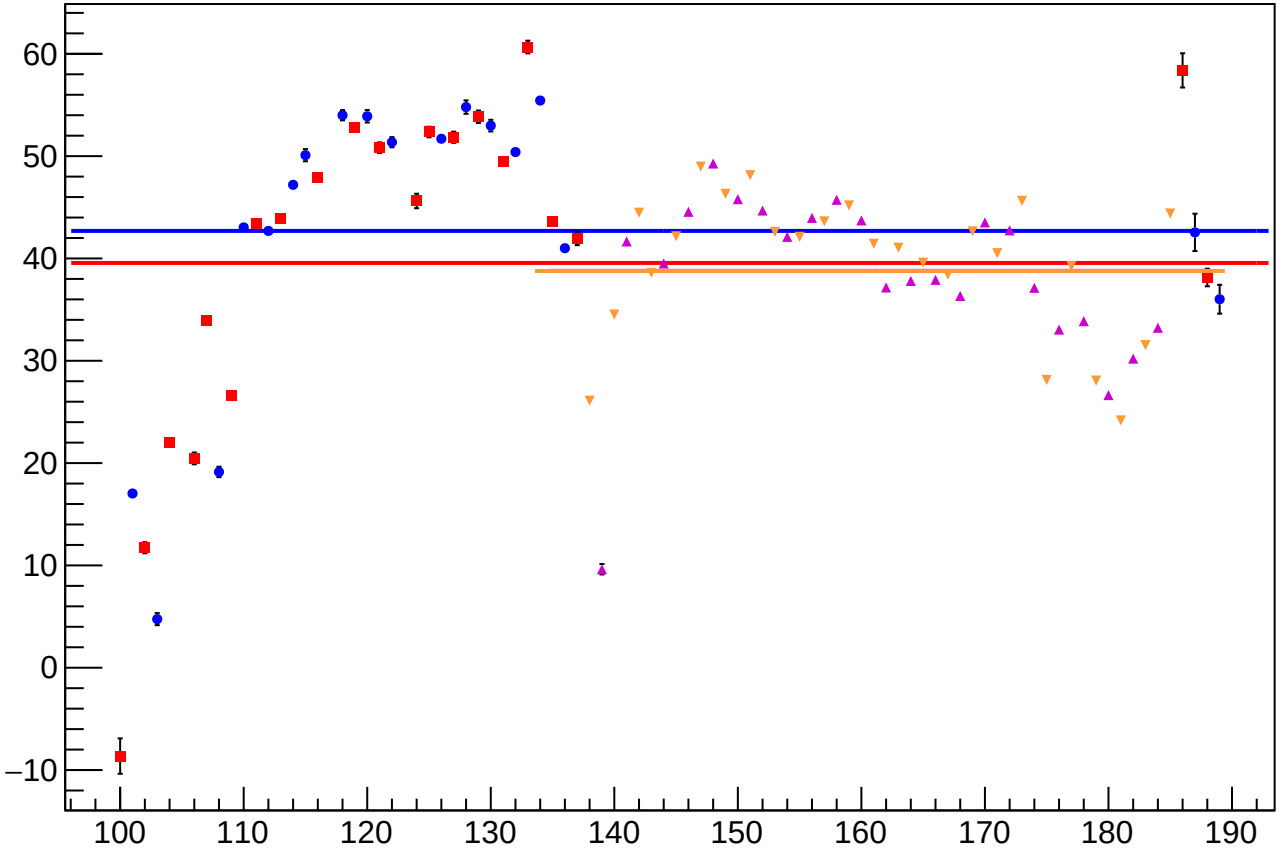
Left In: -27.176+/-0.057 χ^2/NDF:40990.1/22

+ sign -30.708+/-0.044 χ^2/NDF: 77027.9/42

All: -31.053+/-0.030 χ^2/NDF: 146743.6/86

- sign -31.376+/-0.042 χ^2/NDF: 69595.3/43

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 42.693+/-0.085 χ^2/NDF: 14787.5/17

Left Out: 38.777+/-0.048 χ^2/NDF:21070.6/24

Right Out: 39.563+/-0.078 χ^2/NDF: 18107.5/20

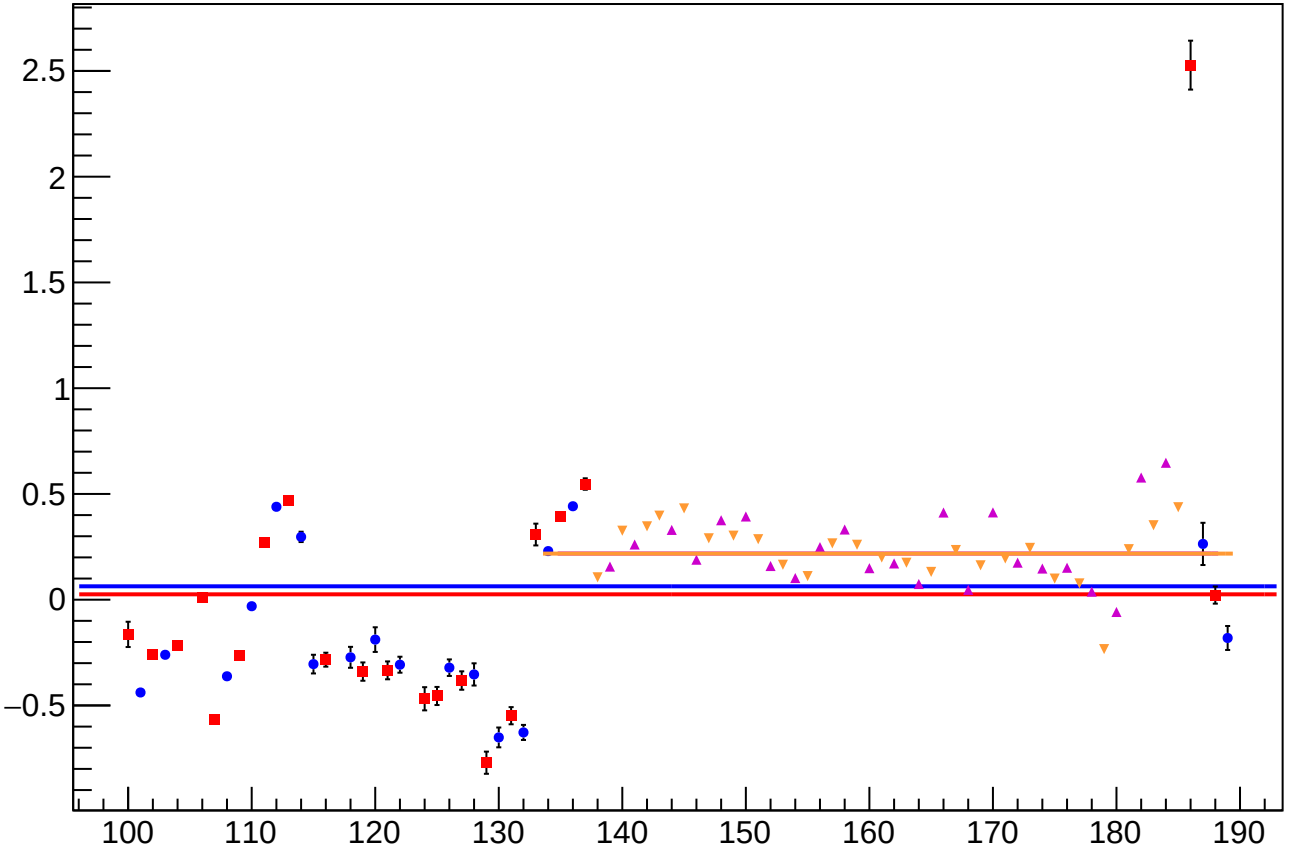
Left In: 38.791+/-0.050 χ^2/NDF:16240.7/22

+ sign 39.719+/-0.042 χ^2/NDF: 37477.6/42

All: 39.373+/-0.030 χ^2/NDF: 72035.2/86

- sign 39.018+/-0.042 χ^2/NDF: 34417.6/43

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: 0.063+/-0.005 χ^2/NDF: 5520.2/17

Left Out: 0.218+/-0.002 χ^2/NDF:4075.0/24

Right Out: 0.025+/-0.004 χ^2/NDF: 6874.0/20

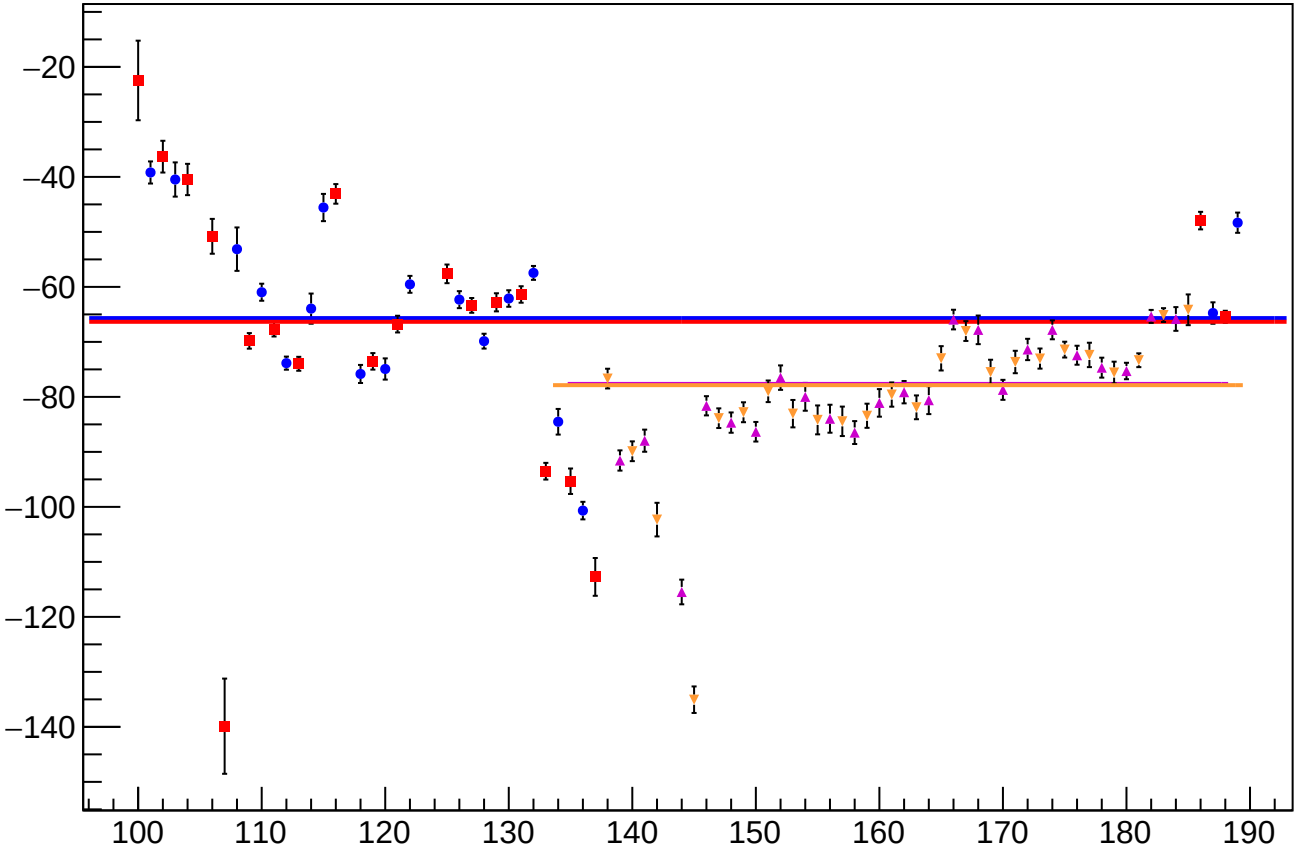
Left In: 0.218+/-0.002 χ^2/NDF:5312.2/22

+ sign 0.192+/-0.002 χ^2/NDF: 10453.9/42

All: 0.185+/-0.001 χ^2/NDF: 24217.8/86

- sign 0.178+/-0.002 χ^2/NDF: 13738.9/43

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -65.673+/-0.406 χ^2/NDF: 1146.9/17

Left Out: -77.867+/-0.394 χ^2/NDF:932.3/23

Right Out: -66.346+/-0.380 χ^2/NDF: 1400.5/19

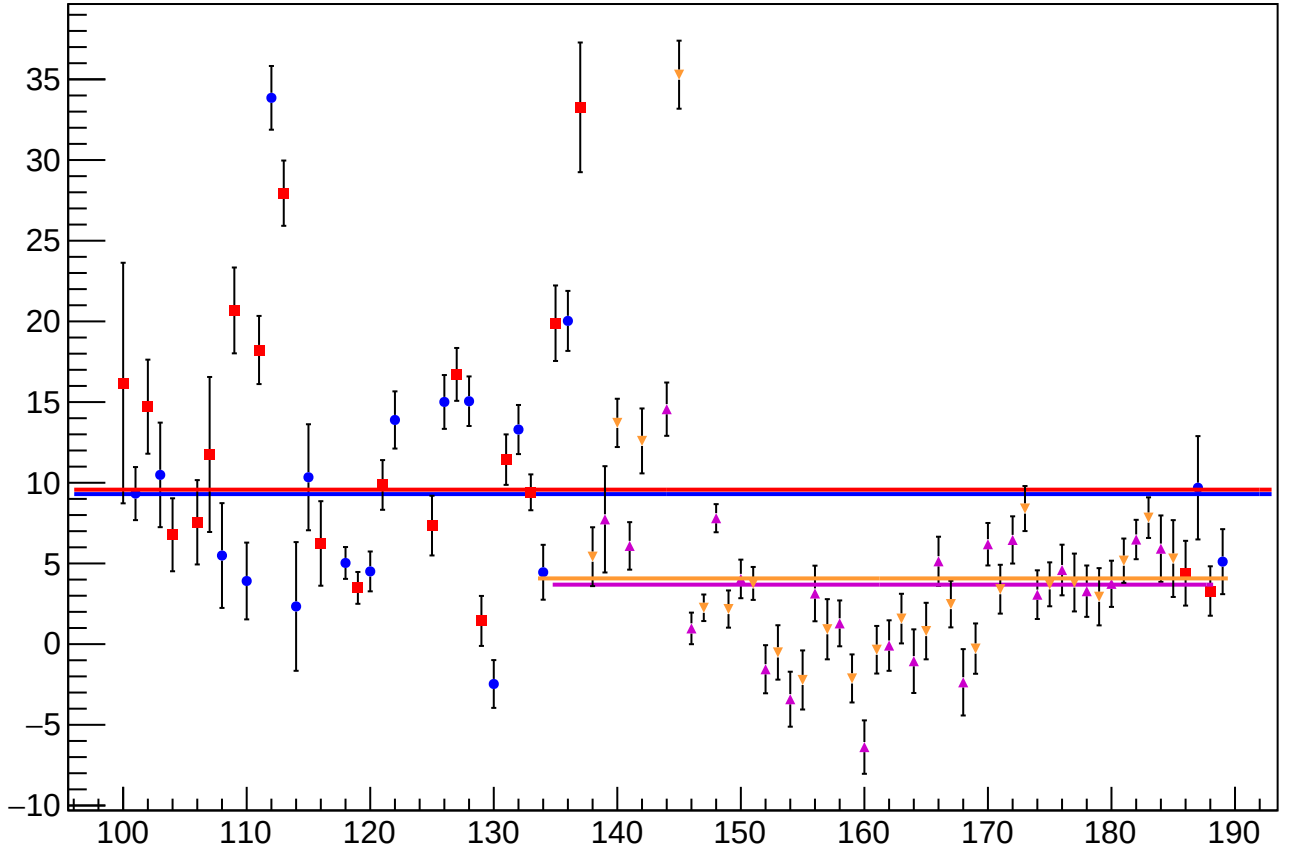
Left In: -77.643+/-0.396 χ^2/NDF:693.3/22

+ sign -71.951+/-0.283 χ^2/NDF: 2543.7/41

All: -71.852+/-0.197 χ^2/NDF: 5060.7/84

- sign -71.759+/-0.274 χ^2/NDF: 2516.7/42

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 9.298+/-0.415 χ^2/NDF: 346.5/17

Left Out: 4.073+/-0.297 χ^2/NDF:370.6/23

Right Out: 9.573+/-0.410 χ^2/NDF: 289.8/19

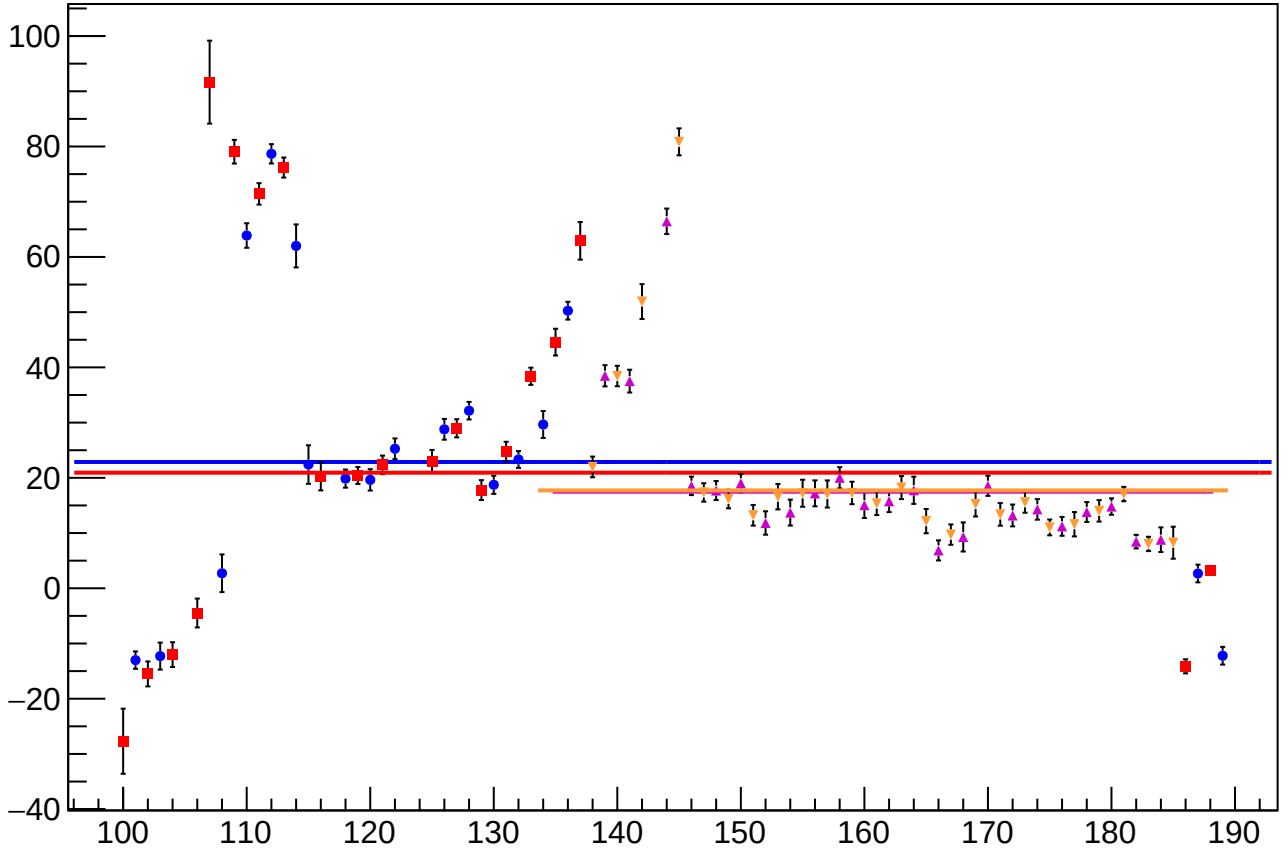
Left In: 3.686+/-0.302 χ^2/NDF:182.6/22

+ sign 5.839+/-0.241 χ^2/NDF: 821.8/41

All: 5.796+/-0.171 χ^2/NDF: 1428.0/84

- sign 5.753+/-0.243 χ^2/NDF: 606.1/42

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 22.869+/-0.444 χ^2/NDF: 3216.1/17

Left Out: 17.723+/-0.391 χ^2/NDF:1058.3/23

Right Out: 20.932+/-0.405 χ^2/NDF: 4622.1/19

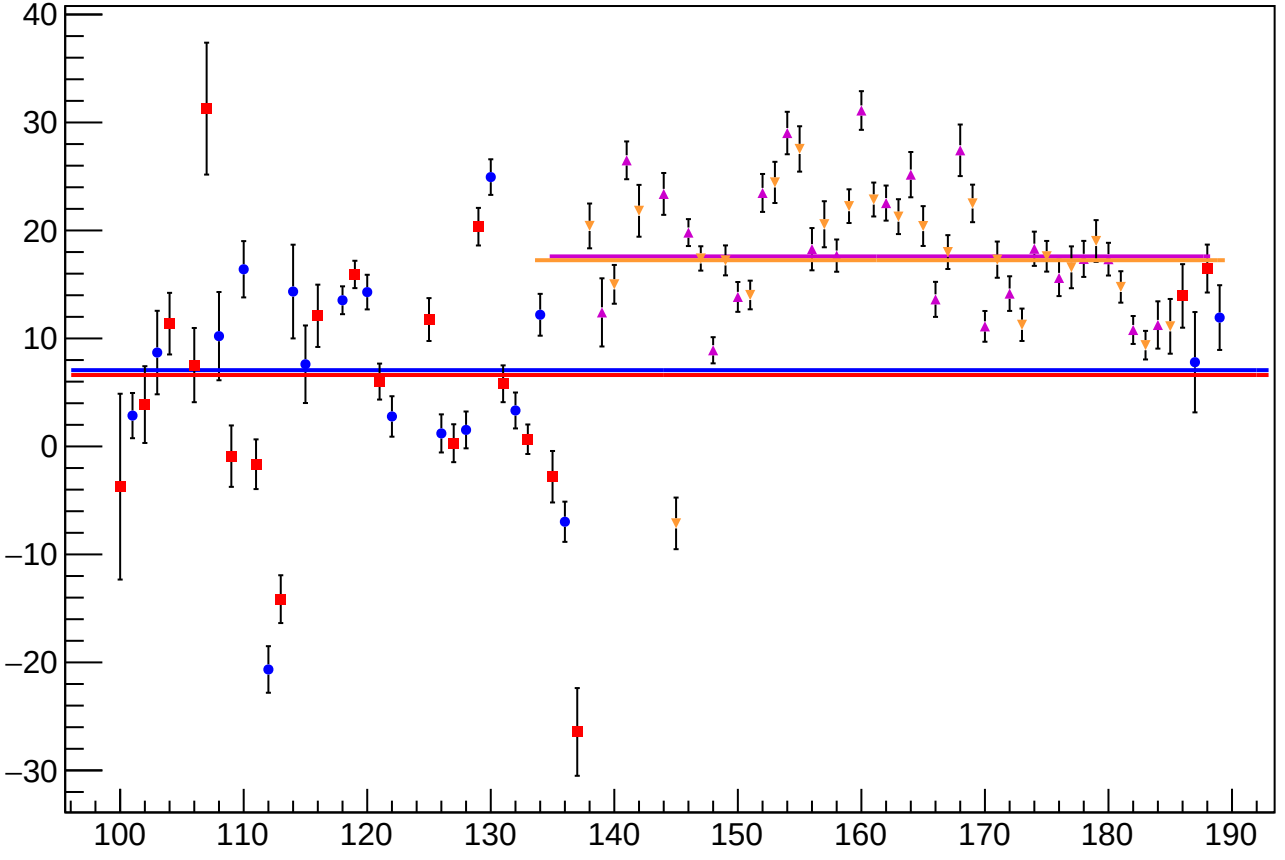
Left In: 17.491+/-0.393 χ^2/NDF:820.7/22

+ sign 19.972+/-0.293 χ^2/NDF: 4350.1/41

All: 19.549+/-0.203 χ^2/NDF: 9834.1/84

- sign 19.159+/-0.282 χ^2/NDF: 5480.0/42

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 7.063+/-0.486 χ^2/NDF: 447.1/17

Left Out: 17.245+/-0.338 χ^2/NDF:260.8/23

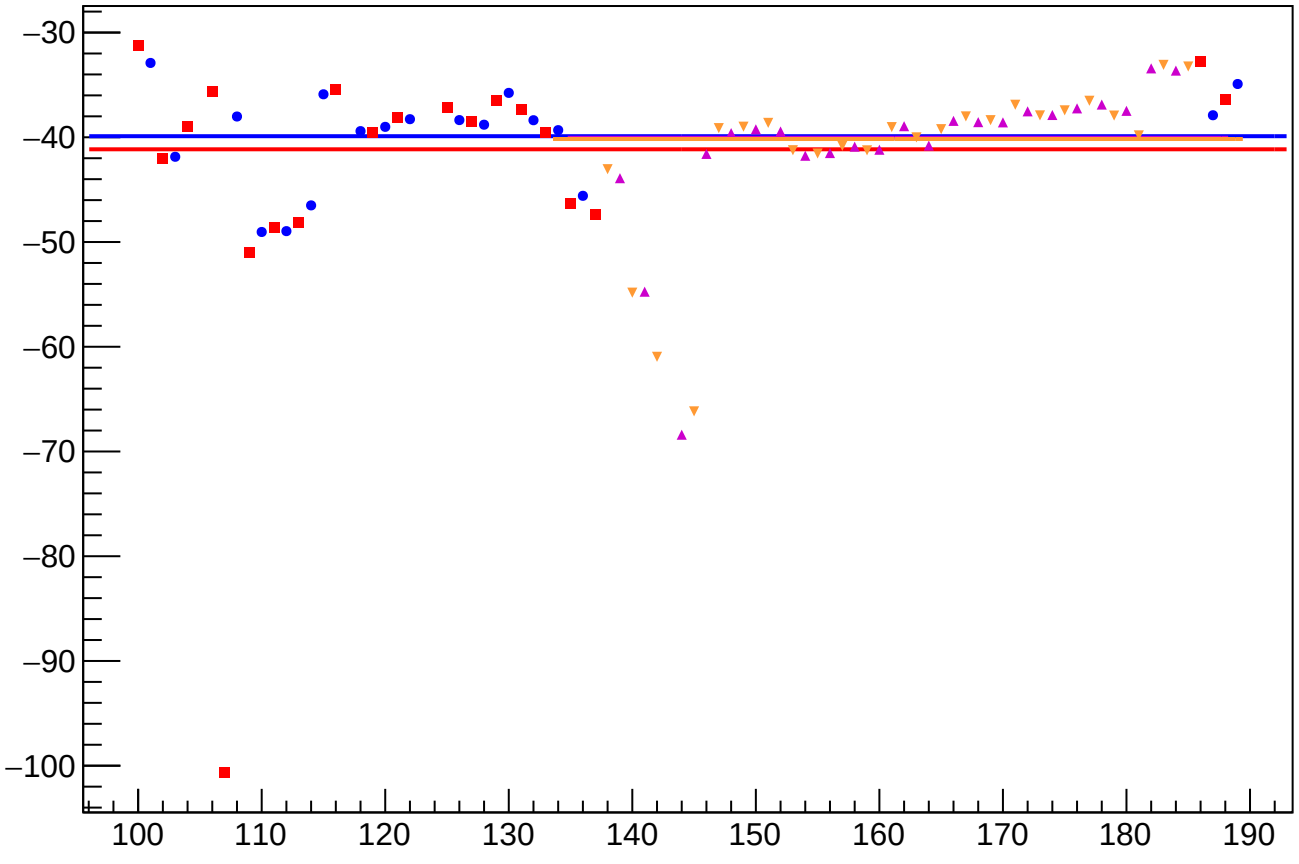
Right Out: 6.613+/-0.483 χ^2/NDF: 395.6/19

Left In: 17.597+/-0.342 χ^2/NDF:309.7/22

+ sign 13.926+/-0.278 χ^2/NDF: 1003.5/41

All: 13.925+/-0.197 χ^2/NDF: 2053.3/84

- sign 13.923+/-0.279 χ^2/NDF: 1049.8/42



Right In: -39.896+/-0.030 χ^2/NDF: 22737.4/17

Left Out: -40.165+/-0.015 χ^2/NDF:163335.9/23

Right Out: -41.147+/-0.030 χ^2/NDF: 63307.9/19

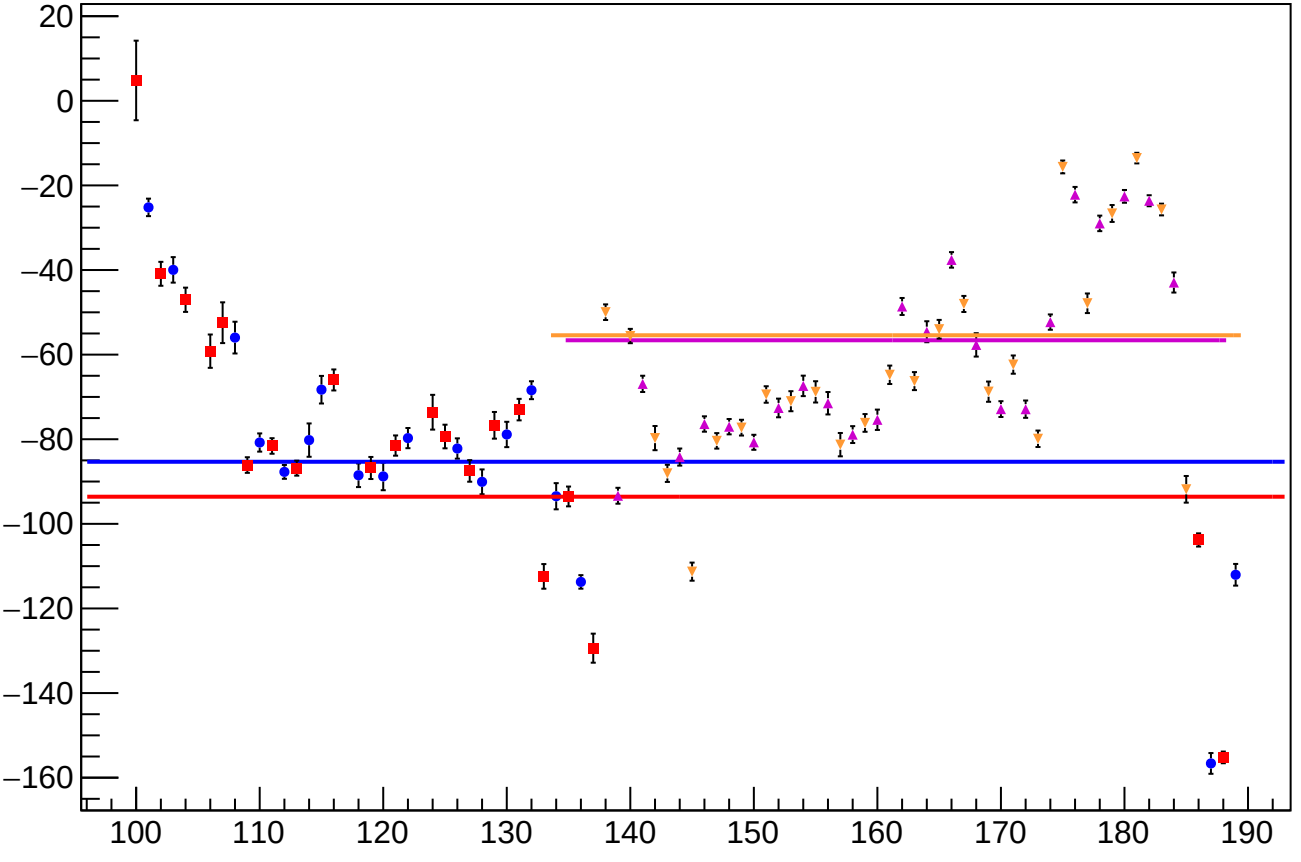
Left In: -40.050+/-0.015 χ^2/NDF:136438.5/22

+ sign -40.109+/-0.014 χ^2/NDF: 186136.2/41

All: -40.193+/-0.010 χ^2/NDF: 387006.6/84

- sign -40.276+/-0.014 χ^2/NDF: 200795.9/42

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -85.325+/-0.578 χ^2/NDF: 2524.1/17

Left Out: -55.424+/-0.393 χ^2/NDF:4525.3/24

Right Out: -93.586+/-0.522 χ^2/NDF: 3428.0/20

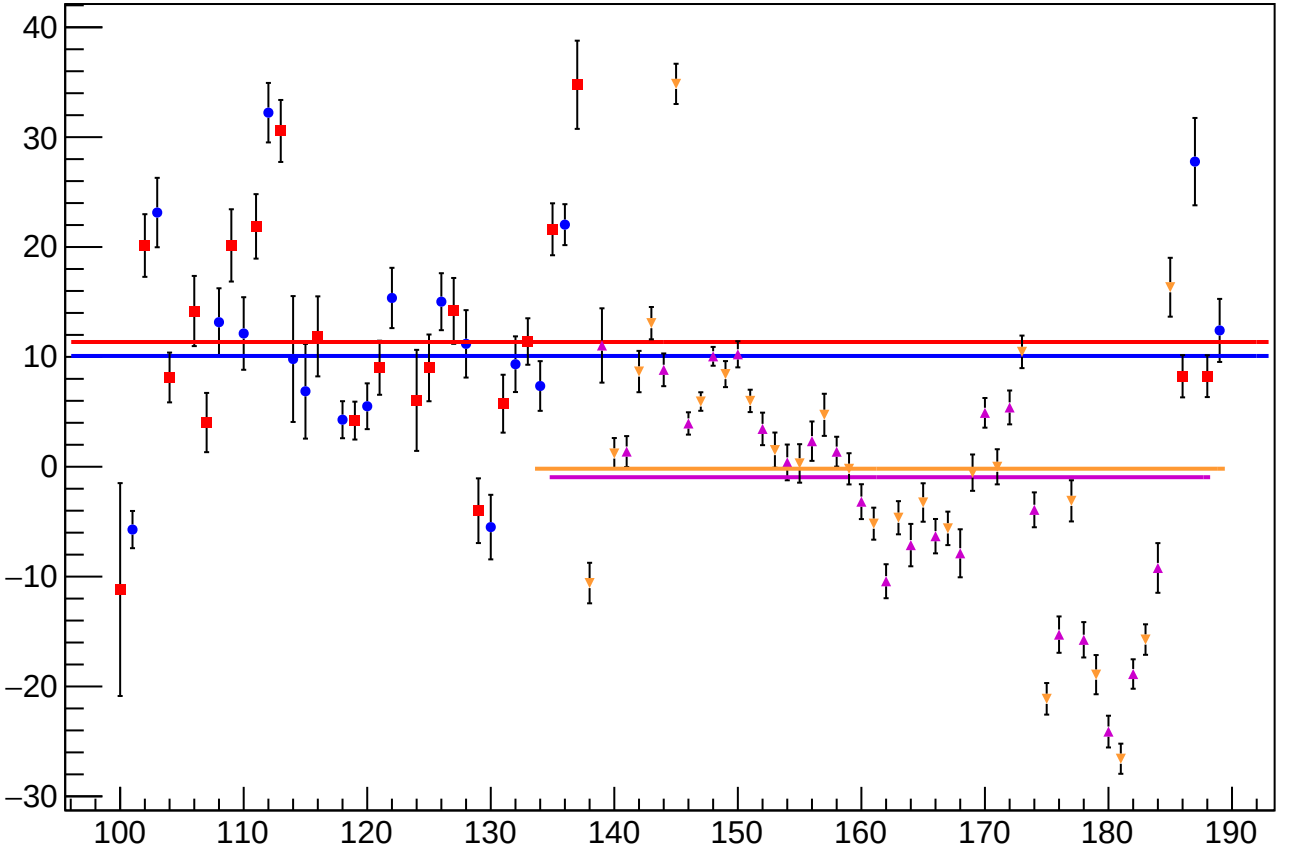
Left In: -56.609+/-0.404 χ^2/NDF:3350.3/22

+ sign -64.894+/-0.325 χ^2/NDF: 8879.9/42

All: -67.727+/-0.228 χ^2/NDF: 18949.3/86

- sign -70.460+/-0.319 χ^2/NDF: 9920.2/43

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 10.084+/-0.600 χ^2/NDF: 288.3/17

Left Out: -0.179+/-0.294 χ^2/NDF:1598.6/24

Right Out: 11.355+/-0.576 χ^2/NDF: 202.3/20

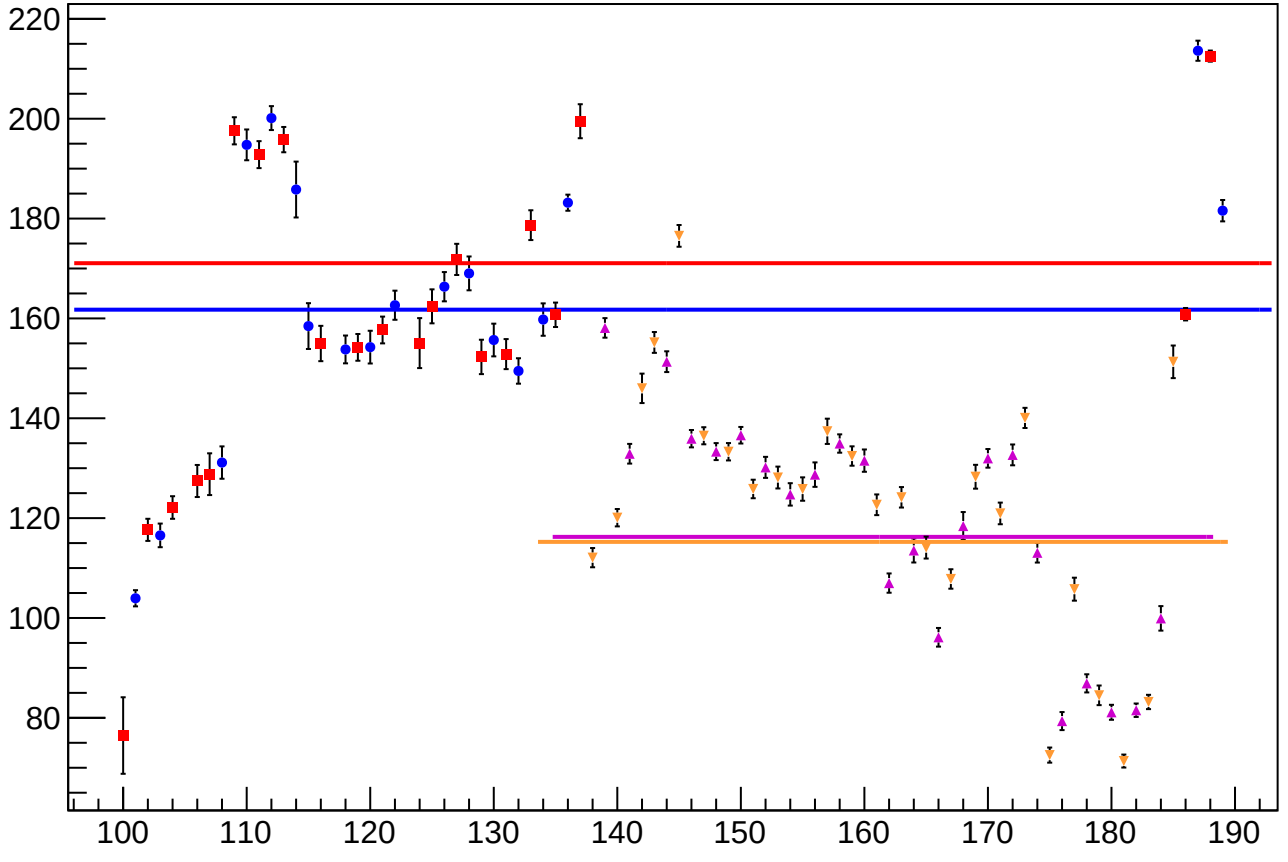
Left In: -0.952+/-0.304 χ^2/NDF:1069.6/22

+ sign 1.808+/-0.264 χ^2/NDF: 2122.6/42

All: 1.769+/-0.188 χ^2/NDF: 3751.3/86

- sign 1.728+/-0.269 χ^2/NDF: 1628.6/43

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 161.751+/-0.603 χ^2/NDF: 3090.6/17

Left Out: 115.243+/-0.390 χ^2/NDF:4836.5/24

Right Out: 171.061+/-0.527 χ^2/NDF: 3469.8/20

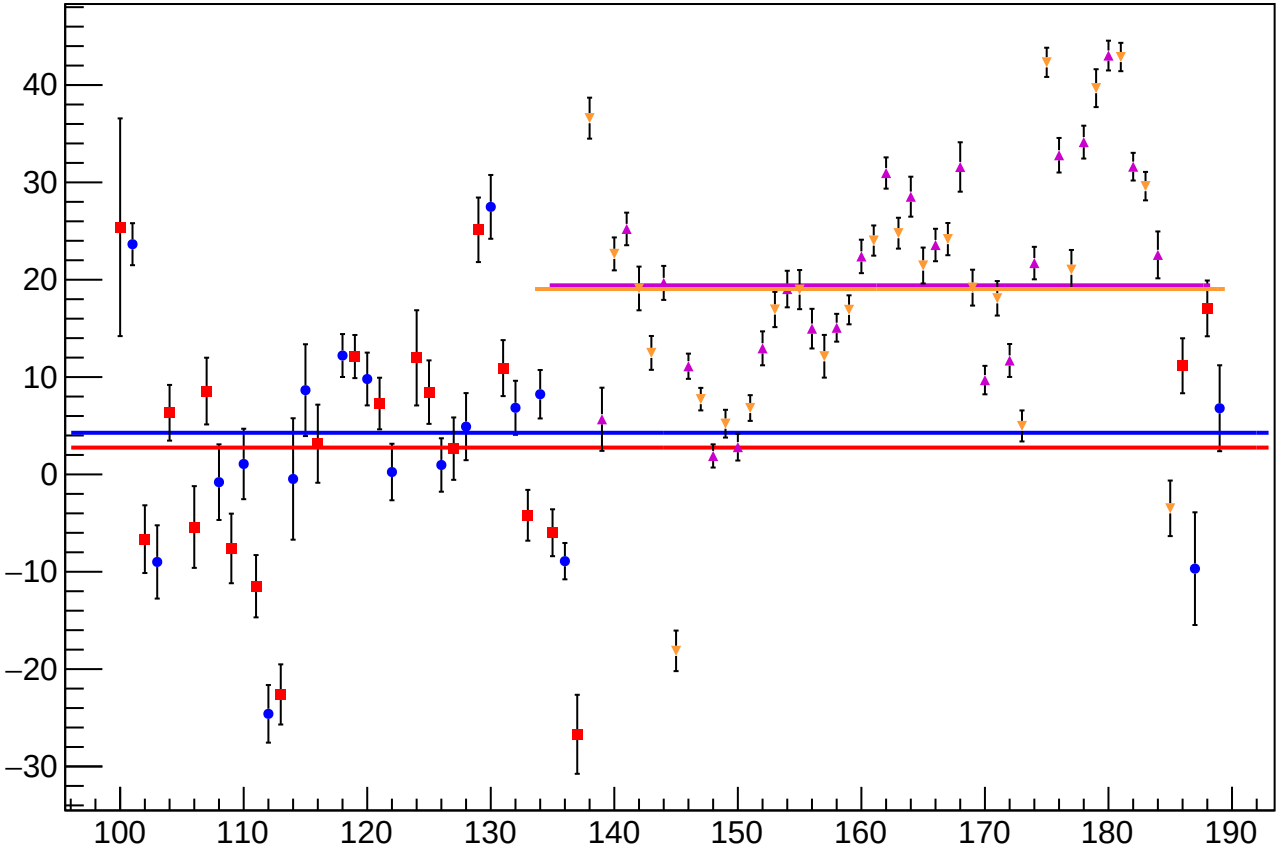
Left In: 116.246+/-0.399 χ^2/NDF:3637.3/22

+ sign 128.971+/-0.328 χ^2/NDF: 12117.4/42

All: 132.706+/-0.228 χ^2/NDF: 26351.1/86

- sign 136.228+/-0.318 χ^2/NDF: 13981.4/43

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 4.278+/-0.700 χ^2/NDF: 322.3/17

Left Out: 19.046+/-0.336 χ^2/NDF:1545.8/24

Right Out: 2.757+/-0.688 χ^2/NDF: 302.8/20

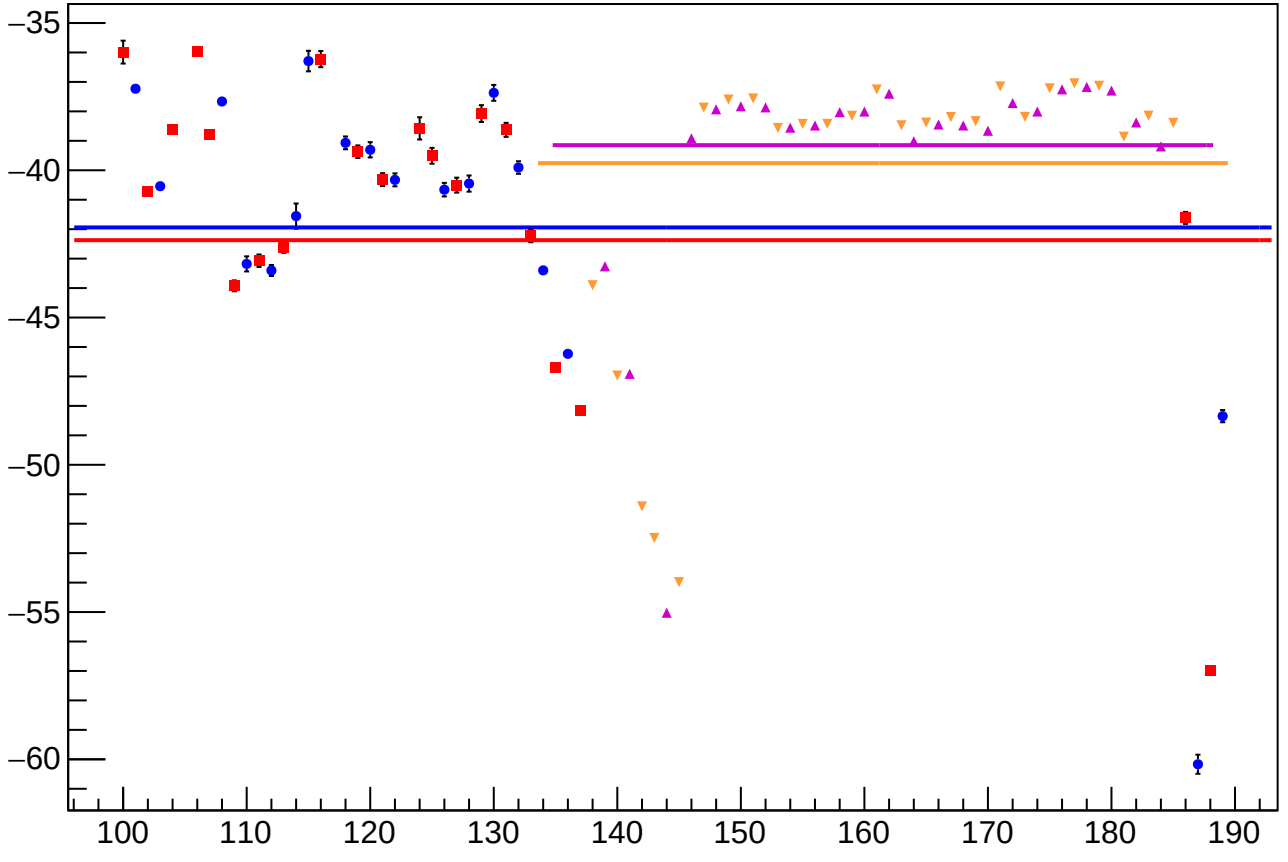
Left In: 19.425+/-0.346 χ^2/NDF:1077.2/22

+ sign 16.277+/-0.303 χ^2/NDF: 2230.0/42

All: 16.171+/-0.216 χ^2/NDF: 4079.5/86

- sign 16.061+/-0.309 χ^2/NDF: 1849.2/43

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.941+/-0.037 χ^2/NDF: 12182.7/17

Left Out: -39.758+/-0.015 χ^2/NDF:81865.0/24

Right Out: -42.373+/-0.038 χ^2/NDF: 17871.5/20

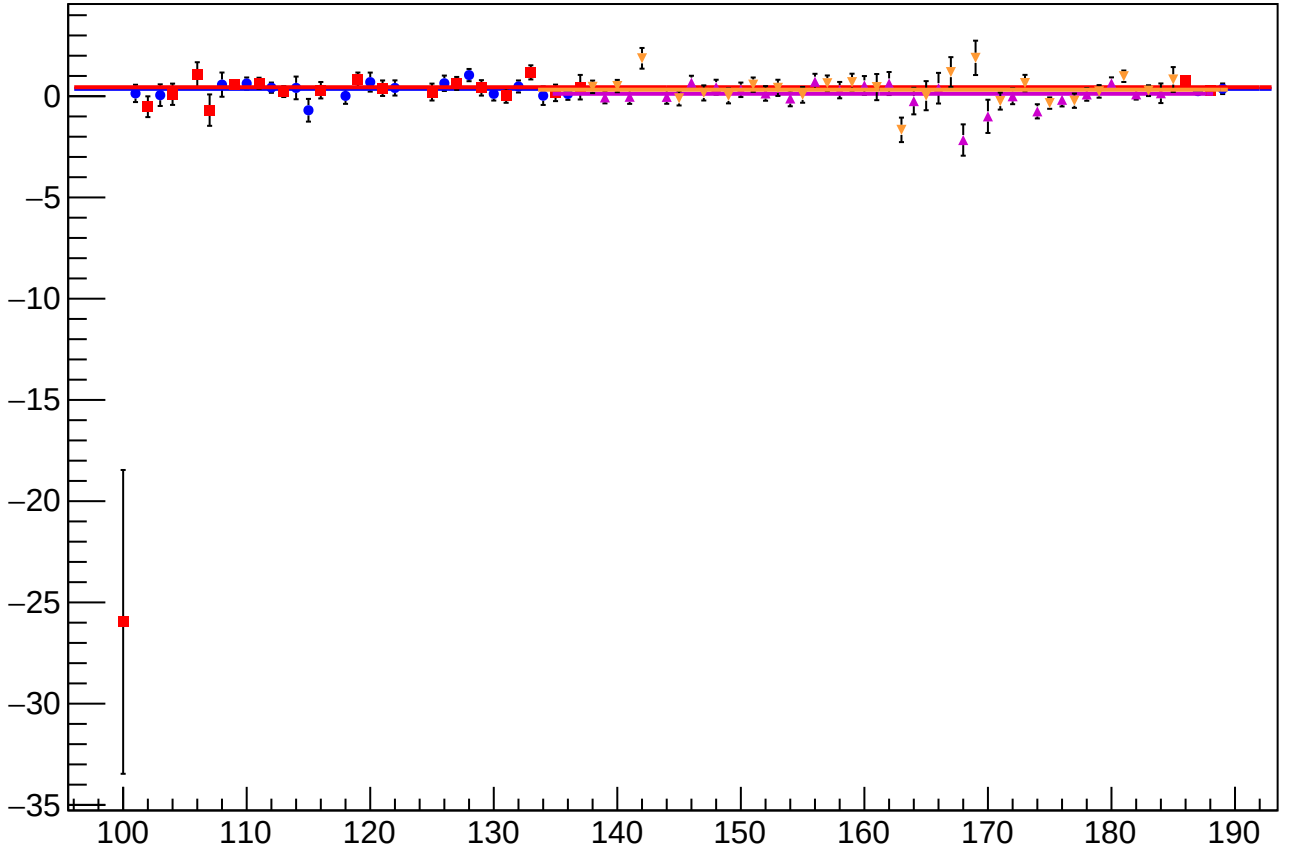
Left In: -39.147+/-0.016 χ^2/NDF:46907.5/22

+ sign -40.078+/-0.014 χ^2/NDF: 96980.8/42

All: -39.852+/-0.010 χ^2/NDF: 168547.0/86

- sign -39.622+/-0.014 χ^2/NDF: 71058.8/43

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 0.363+/-0.081 χ^2/NDF: 14.3/17

Left Out: 0.321+/-0.078 χ^2/NDF:46.9/23

Right Out: 0.443+/-0.068 χ^2/NDF: 34.5/19

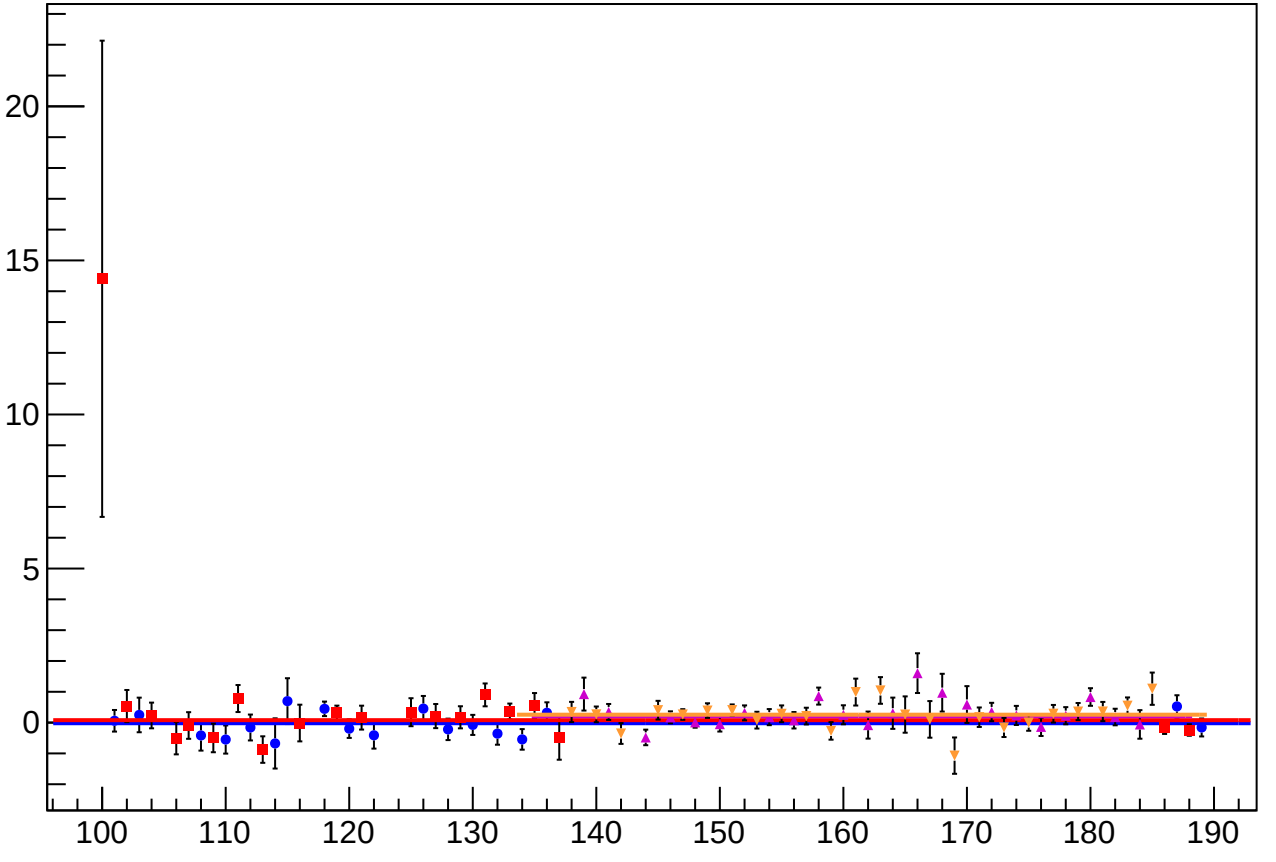
Left In: 0.120+/-0.079 χ^2/NDF:30.0/22

+ sign 0.341+/-0.056 χ^2/NDF: 61.3/41

All: 0.323+/-0.038 χ^2/NDF: 135.6/84

- sign 0.307+/-0.052 χ^2/NDF: 74.0/42

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.020+/-0.087 χ^2/NDF: 17.6/17

Left Out: 0.257+/-0.059 χ^2/NDF:26.5/23

Right Out: 0.079+/-0.078 χ^2/NDF: 28.7/19

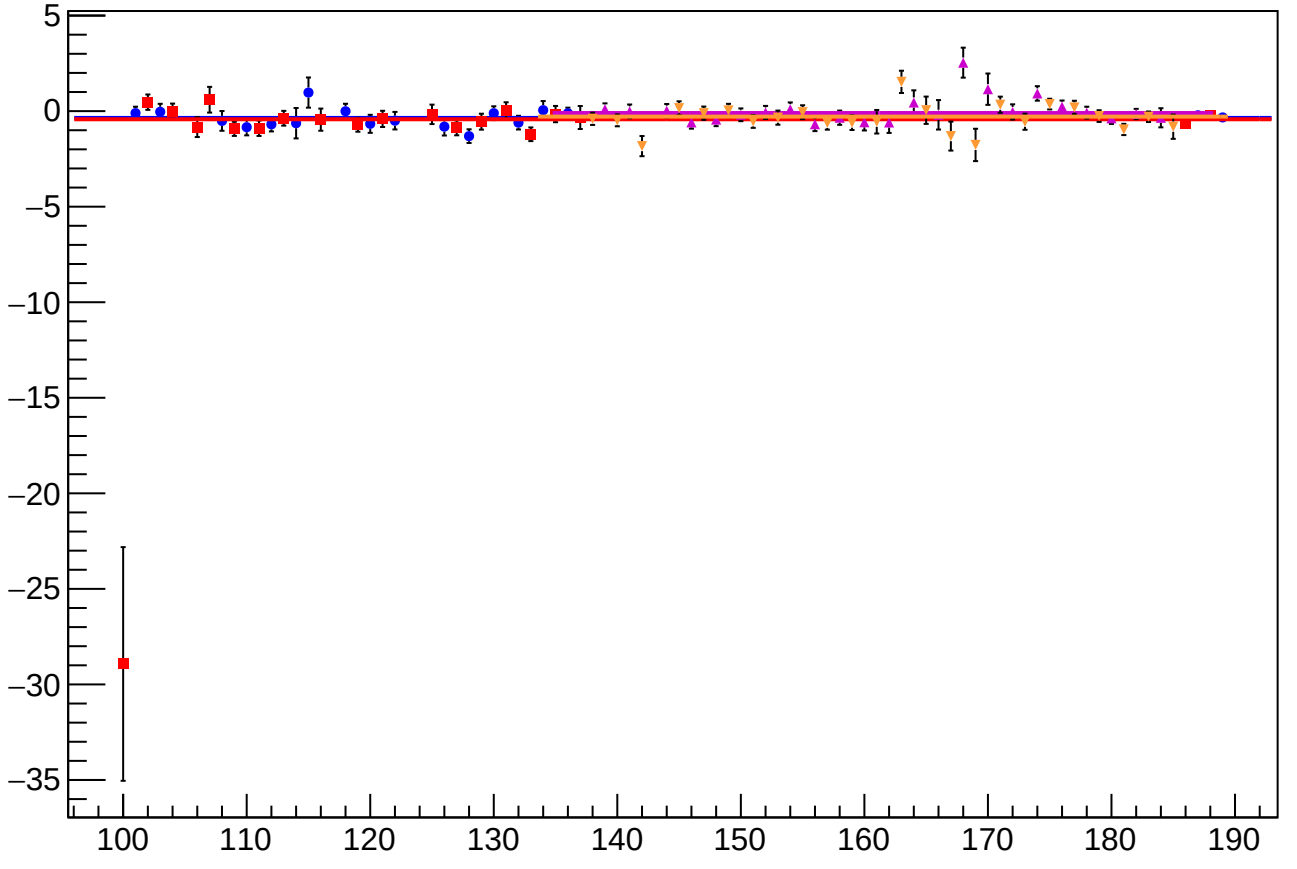
Left In: 0.207+/-0.060 χ^2/NDF:31.9/22

+ sign 0.169+/-0.049 χ^2/NDF: 51.0/41

All: 0.164+/-0.034 χ^2/NDF: 113.2/84

- sign 0.159+/-0.048 χ^2/NDF: 62.2/42

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: -0.356+/-0.083 χ^2/NDF: 18.6/17

Left Out: -0.286+/-0.077 χ^2/NDF:45.0/23

Right Out: -0.426+/-0.065 χ^2/NDF: 47.9/19

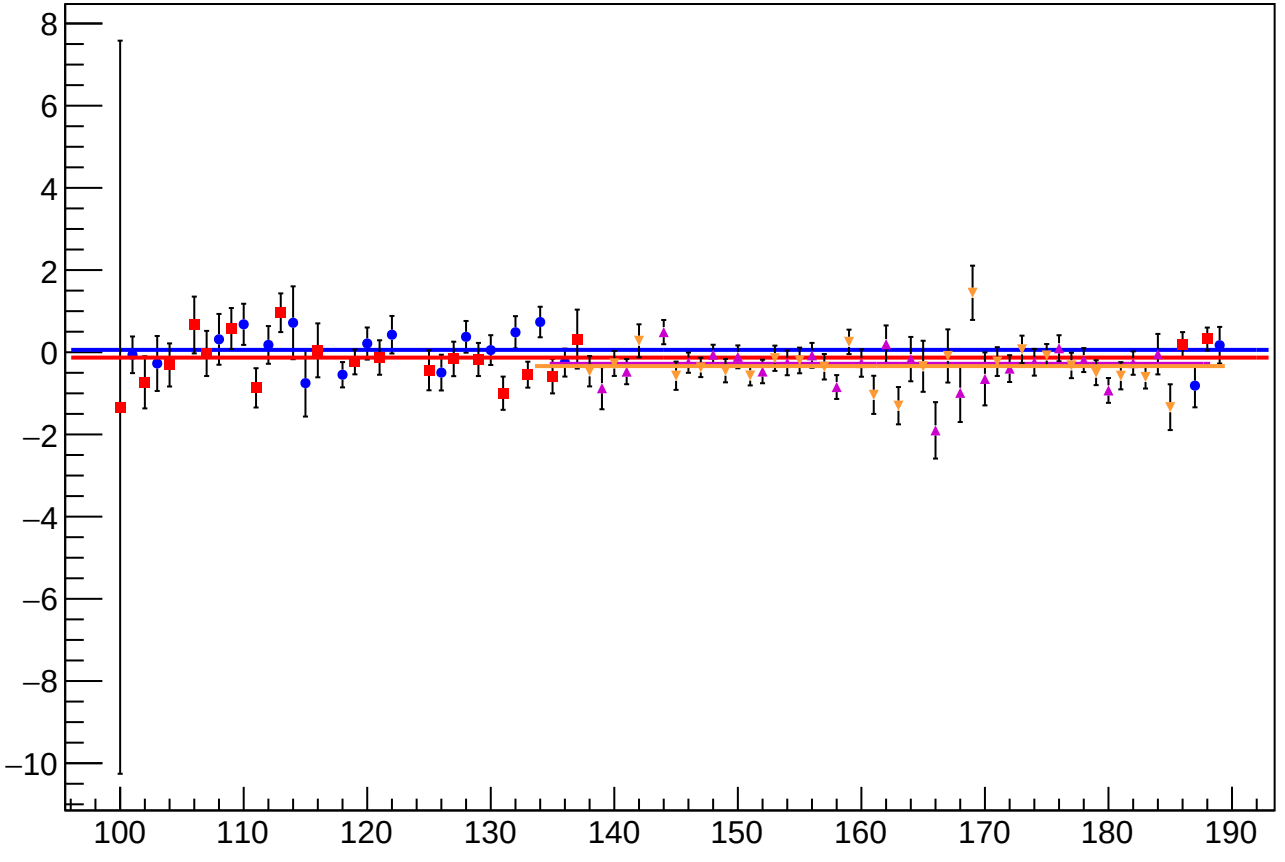
Left In: -0.100+/-0.078 χ^2/NDF:33.2/22

+ sign -0.319+/-0.057 χ^2/NDF: 64.0/41

All: -0.305+/-0.037 χ^2/NDF: 155.6/84

- sign -0.294+/-0.050 χ^2/NDF: 91.5/42

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: 0.058+/-0.103 χ^2/NDF: 18.7/17

Left Out: -0.337+/-0.068 χ^2/NDF:30.1/23

Right Out: -0.130+/-0.097 χ^2/NDF: 24.4/19

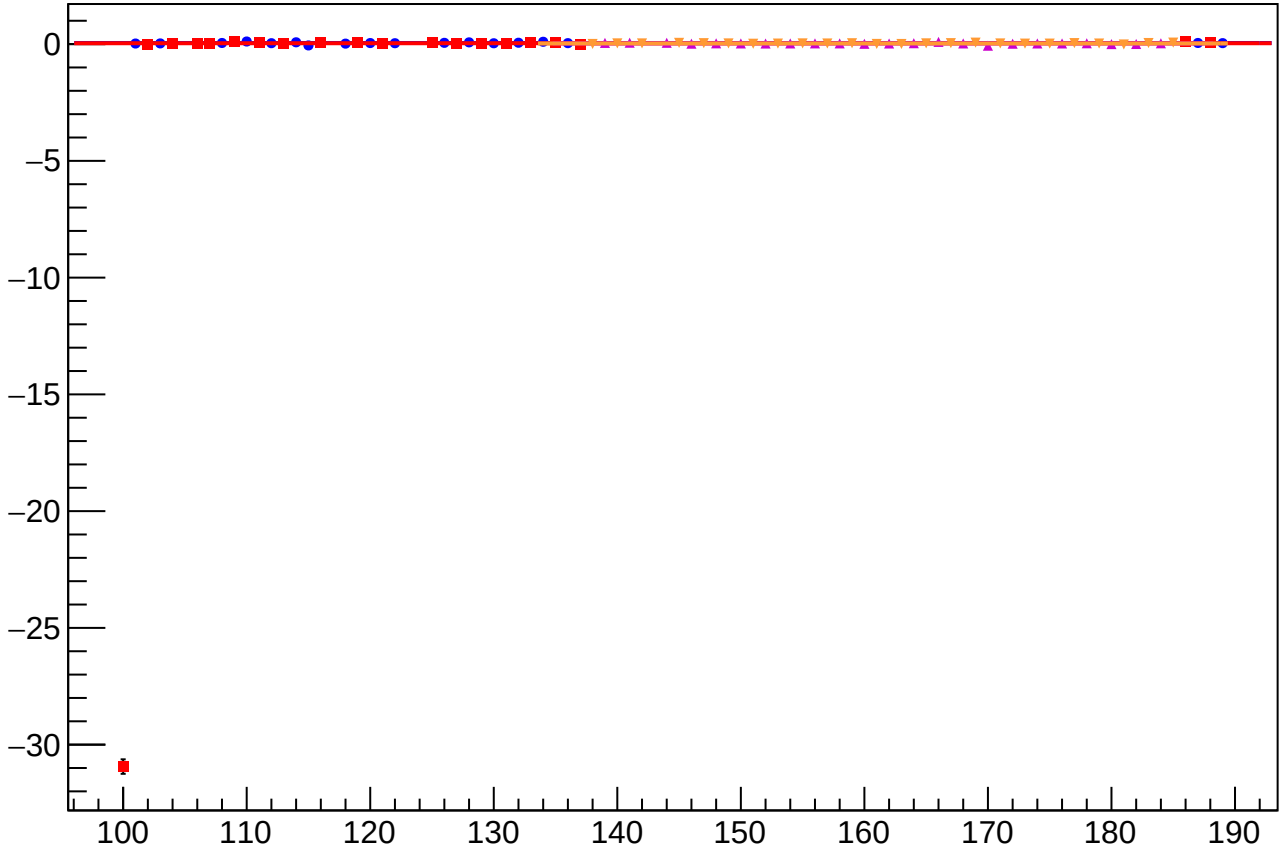
Left In: -0.282+/-0.069 χ^2/NDF:29.0/22

+ sign -0.217+/-0.057 χ^2/NDF: 59.1/41

All: -0.224+/-0.040 χ^2/NDF: 114.1/84

- sign -0.231+/-0.056 χ^2/NDF: 55.0/42

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: 0.048+/-0.006 χ^2/NDF: 19.3/17

Left Out: 0.028+/-0.003 χ^2/NDF:27.6/23

Right Out: 0.038+/-0.006 χ^2/NDF: 10037.5/19

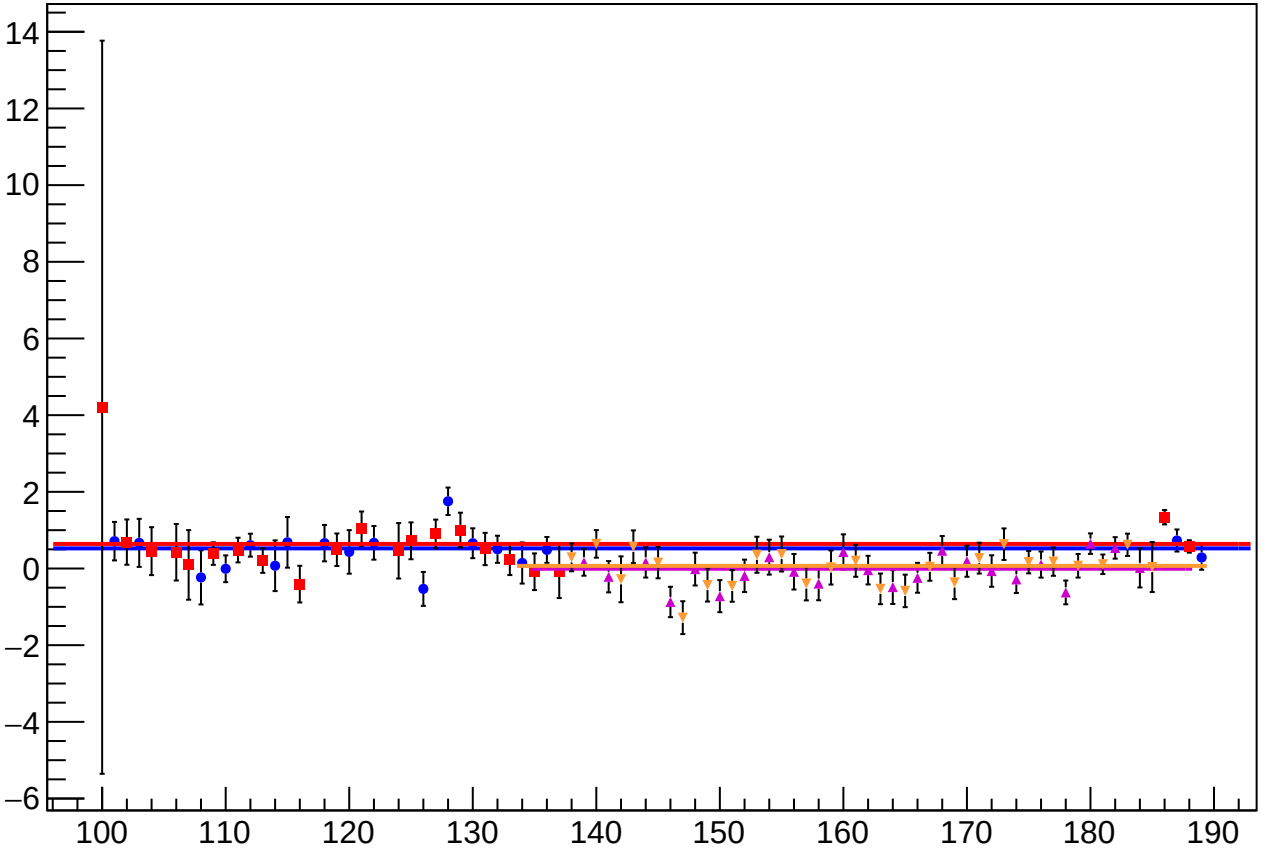
Left In: 0.029+/-0.003 χ^2/NDF:38.9/22

+ sign 0.032+/-0.003 χ^2/NDF: 56.0/41

All: 0.032+/-0.002 χ^2/NDF: 10134.2/84

- sign 0.031+/-0.003 χ^2/NDF: 10078.1/42

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 0.525+/-0.097 χ^2/NDF: 23.7/17

Left Out: 0.069+/-0.077 χ^2/NDF:31.1/24

Right Out: 0.641+/-0.080 χ^2/NDF: 28.8/20

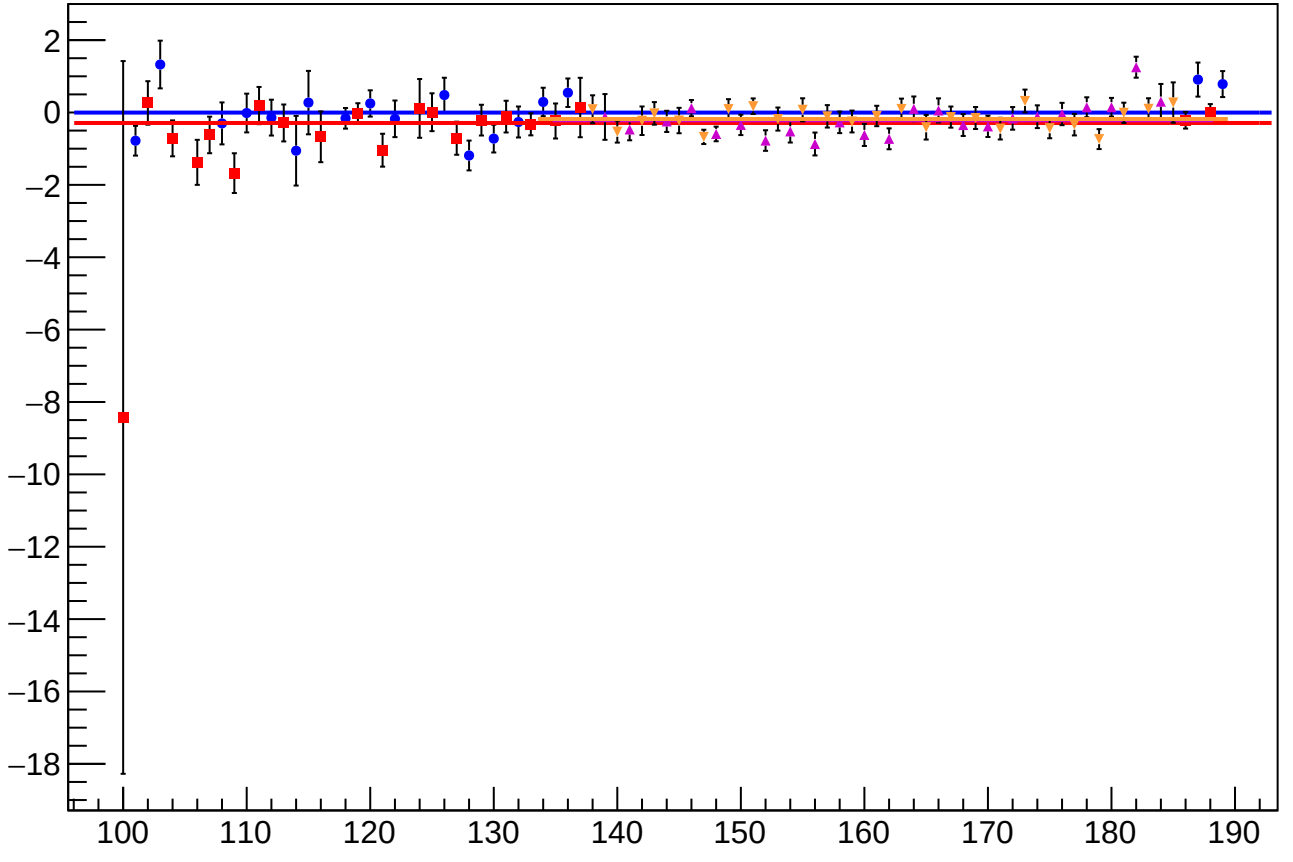
Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

+ sign 0.246+/-0.060 χ^2/NDF: 68.4/42

All: 0.283+/-0.041 χ^2/NDF: 159.5/86

- sign 0.316+/-0.056 χ^2/NDF: 90.4/43

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.003+/-0.104 χ^2/NDF: 34.4/17

Left Out: -0.180+/-0.059 χ^2/NDF:24.7/24

Right Out: -0.290+/-0.092 χ^2/NDF: 20.5/20

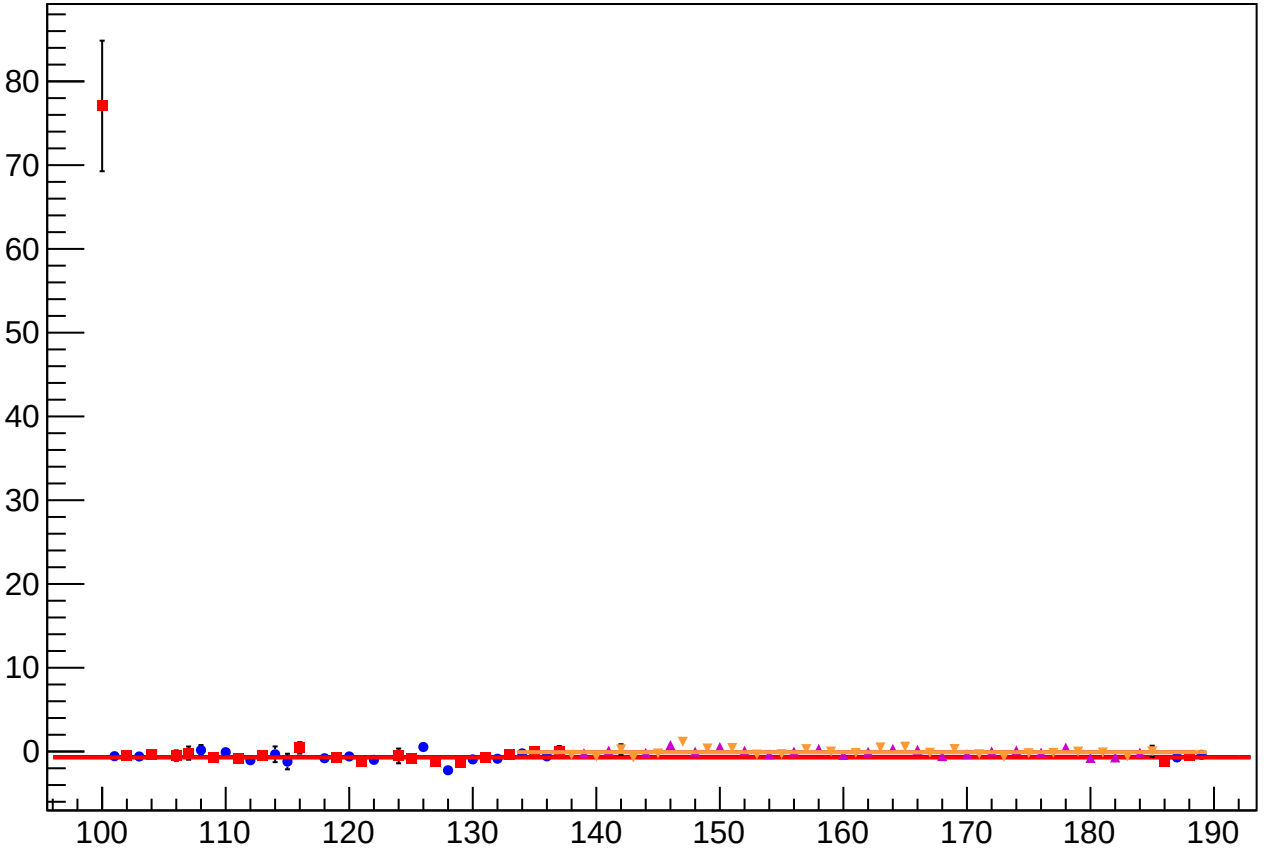
Left In: -0.216+/-0.062 χ^2/NDF:53.6/22

+ sign -0.137+/-0.051 χ^2/NDF: 61.4/42

All: -0.188+/-0.036 χ^2/NDF: 137.9/86

- sign -0.238+/-0.051 χ^2/NDF: 74.5/43

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.667+/-0.100 χ^2/NDF: 26.1/17

Left Out: -0.077+/-0.077 χ^2/NDF:30.0/24

Right Out: -0.712+/-0.077 χ^2/NDF: 122.5/20

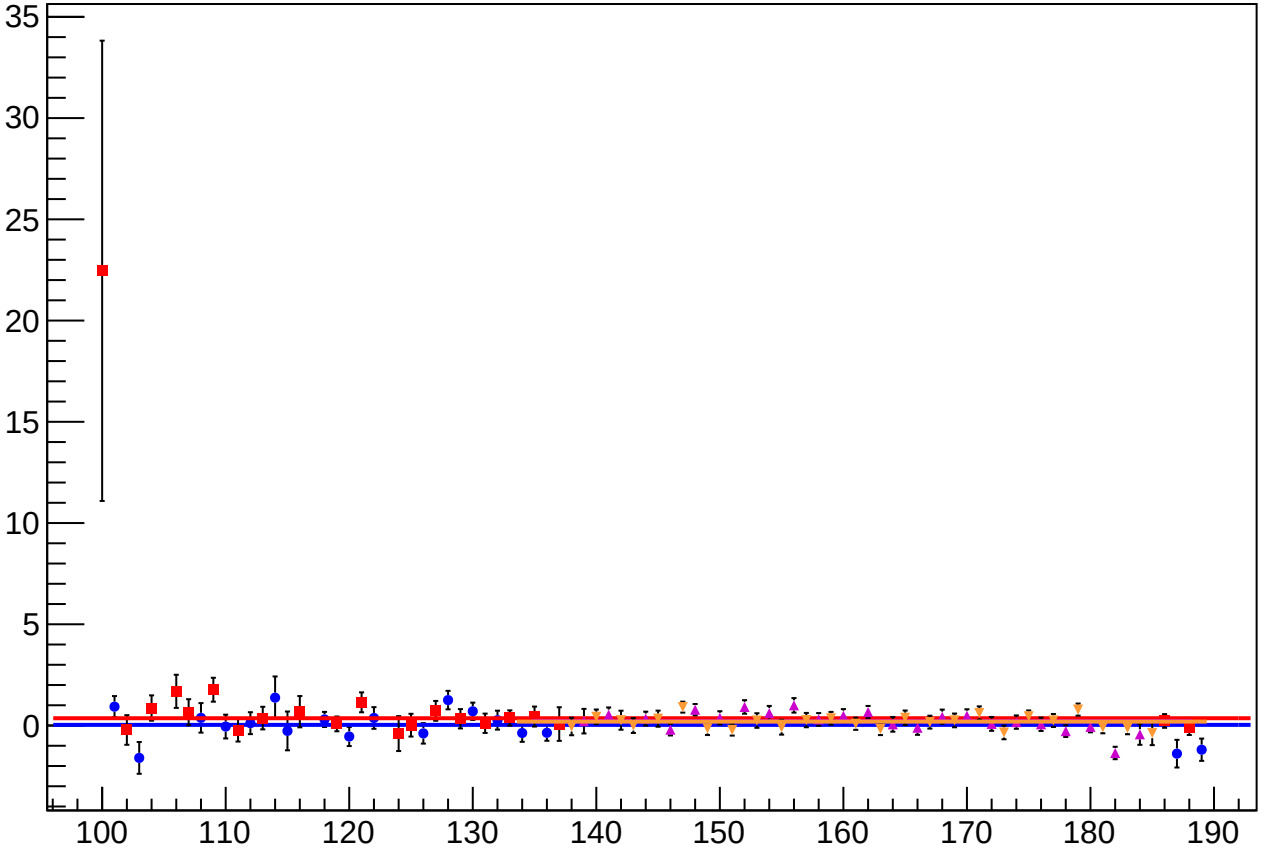
Left In: -0.075+/-0.079 χ^2/NDF:28.3/22

+ sign -0.295+/-0.061 χ^2/NDF: 77.9/42

All: -0.354+/-0.041 χ^2/NDF: 264.0/86

- sign -0.402+/-0.055 χ^2/NDF: 184.5/43

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.032+/-0.123 χ^2/NDF: 33.4/17

Left Out: 0.193+/-0.067 χ^2/NDF:25.9/24

Right Out: 0.359+/-0.113 χ^2/NDF: 22.3/20

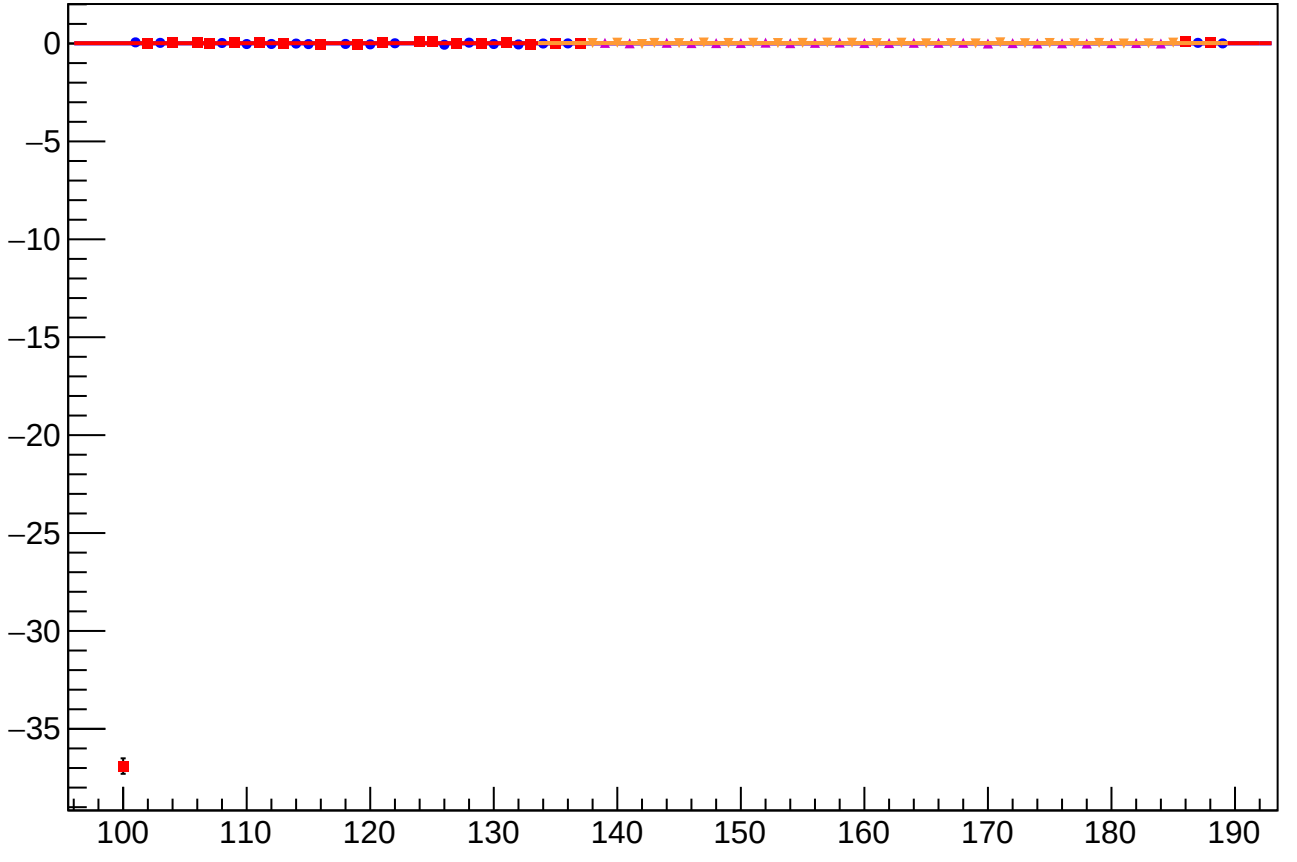
Left In: 0.215+/-0.069 χ^2/NDF:55.1/22

+ sign 0.156+/-0.059 χ^2/NDF: 60.6/42

All: 0.205+/-0.042 χ^2/NDF: 140.5/86

- sign 0.254+/-0.059 χ^2/NDF: 78.5/43

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.007+/-0.007 χ^2/NDF: 18.1/17

Left Out: 0.024+/-0.003 χ^2/NDF:30.2/24

Right Out: 0.016+/-0.007 χ^2/NDF: 8773.7/20

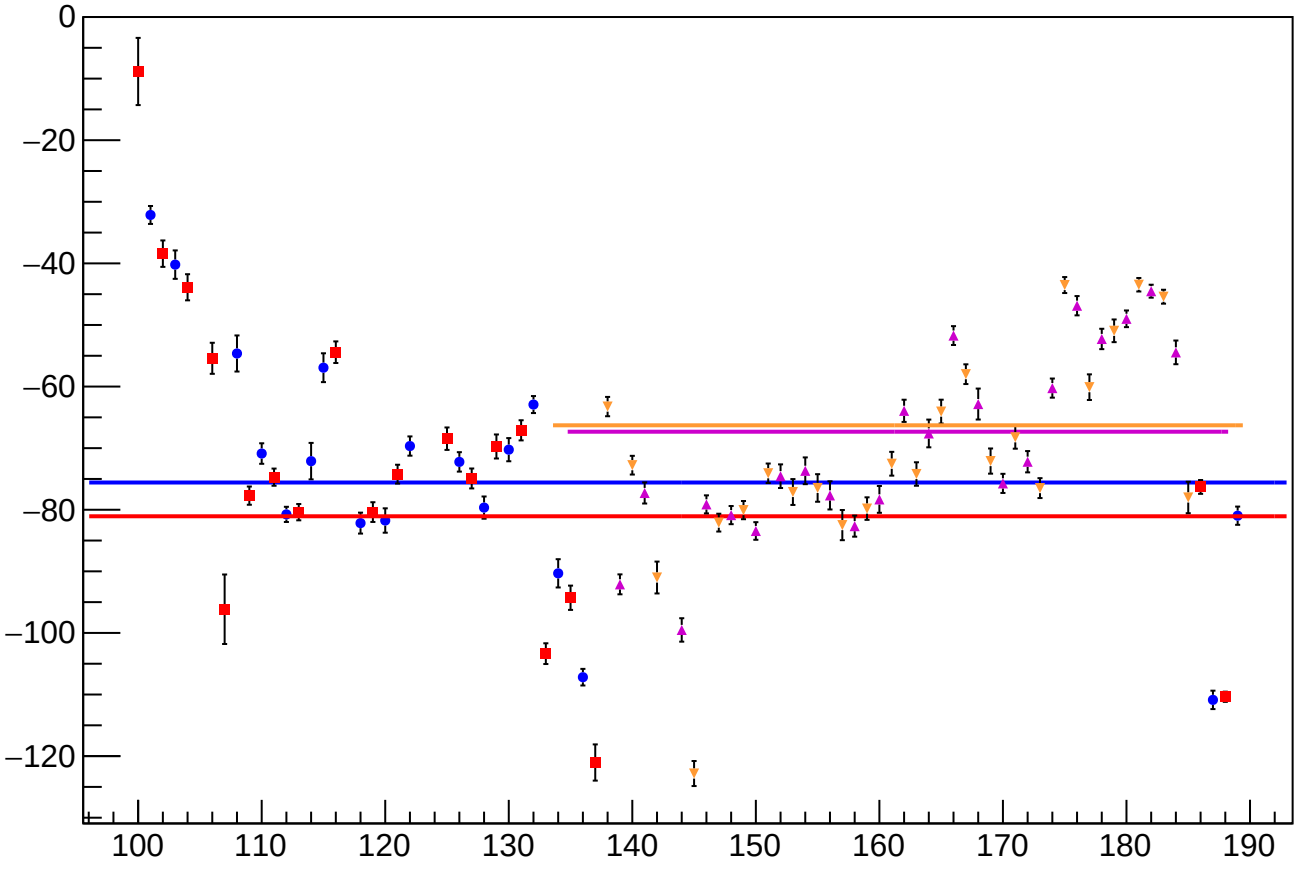
Left In: 0.024+/-0.003 χ^2/NDF:18.0/22

+ sign 0.021+/-0.003 χ^2/NDF: 53.4/42

All: 0.022+/-0.002 χ^2/NDF: 8846.3/86

- sign 0.023+/-0.003 χ^2/NDF: 8792.9/43

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -75.578+/-0.400 χ^2/NDF: 2568.6/17

Left Out: -66.289+/-0.344 χ^2/NDF:2550.4/23

Right Out: -81.060+/-0.362 χ^2/NDF: 3111.1/19

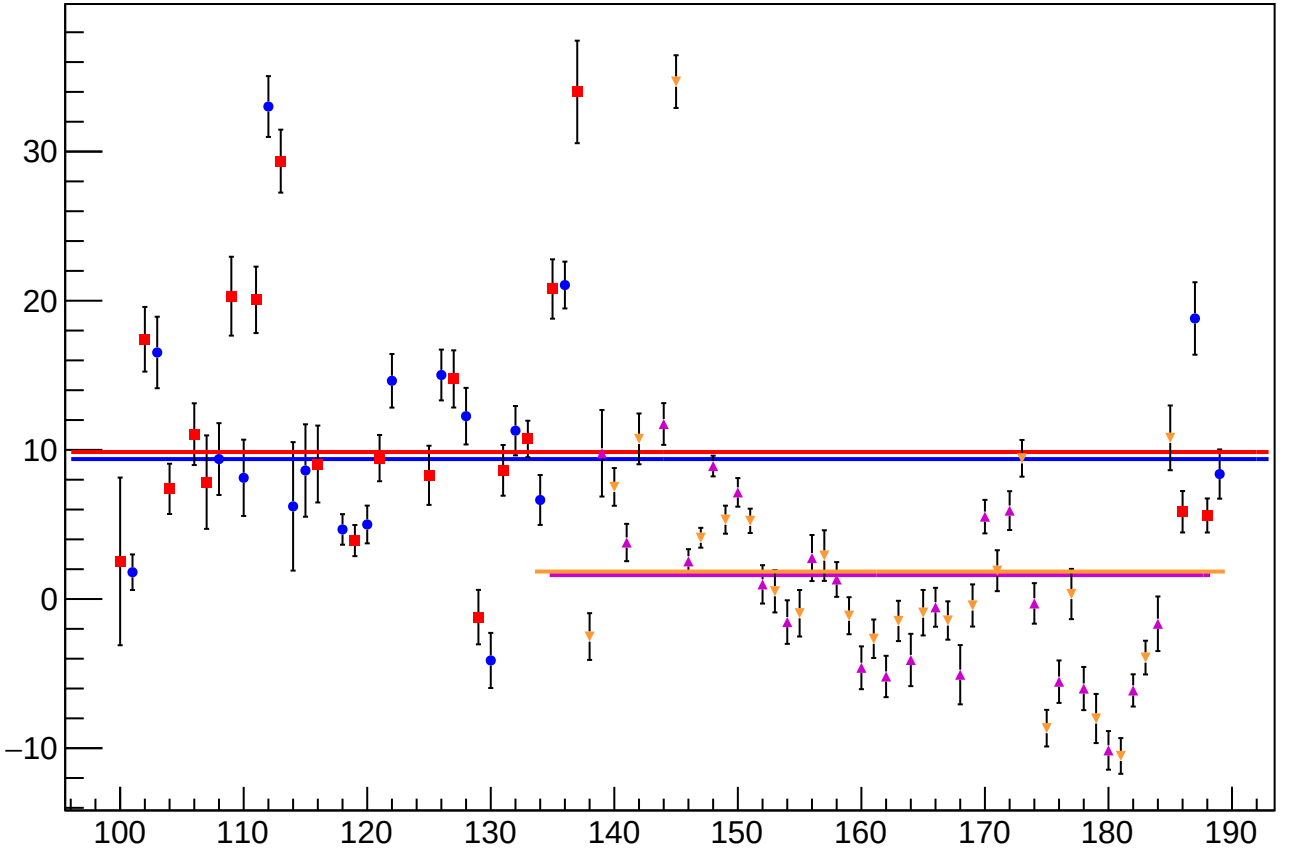
Left In: -67.331+/-0.345 χ^2/NDF:2102.6/22

+ sign -70.240+/-0.261 χ^2/NDF: 5429.5/41

All: -72.136+/-0.180 χ^2/NDF: 11499.0/84

- sign -73.876+/-0.250 χ^2/NDF: 5968.0/42

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 9.383+/-0.406 χ^2/NDF: 367.8/17

Left Out: 1.842+/-0.254 χ^2/NDF:781.5/23

Right Out: 9.856+/-0.394 χ^2/NDF: 318.0/19

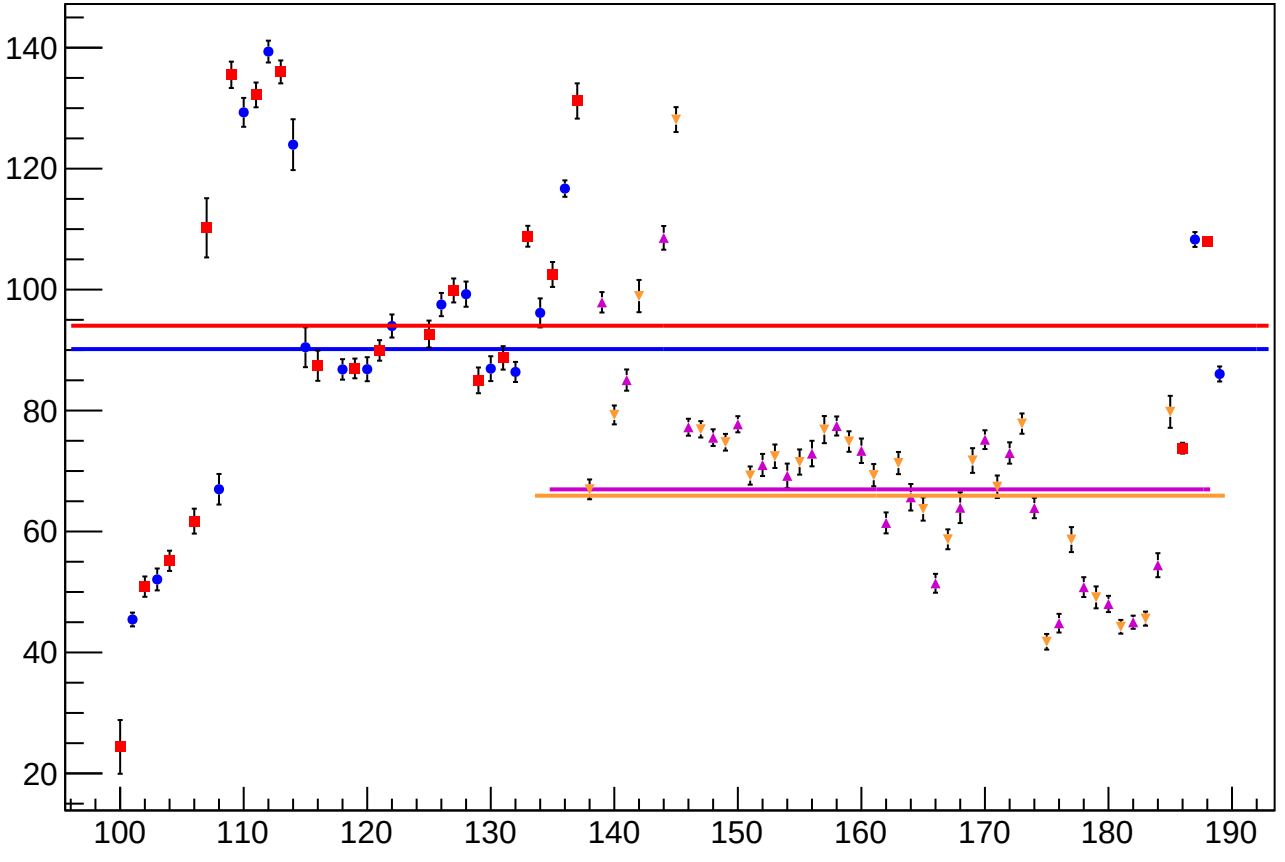
Left In: 1.605+/-0.258 χ^2/NDF:496.6/22

\+ sign 3.970+/-0.216 χ^2/NDF: 1397.1/41

All: 4.029+/-0.153 χ^2/NDF: 2518.7/84

\- sign 4.089+/-0.216 χ^2/NDF: 1121.5/42

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 90.164+/-0.413 χ^2/NDF: 3809.6/17

Left Out: 65.923+/-0.341 χ^2/NDF:2555.6/23

Right Out: 94.028+/-0.358 χ^2/NDF: 4169.1/19

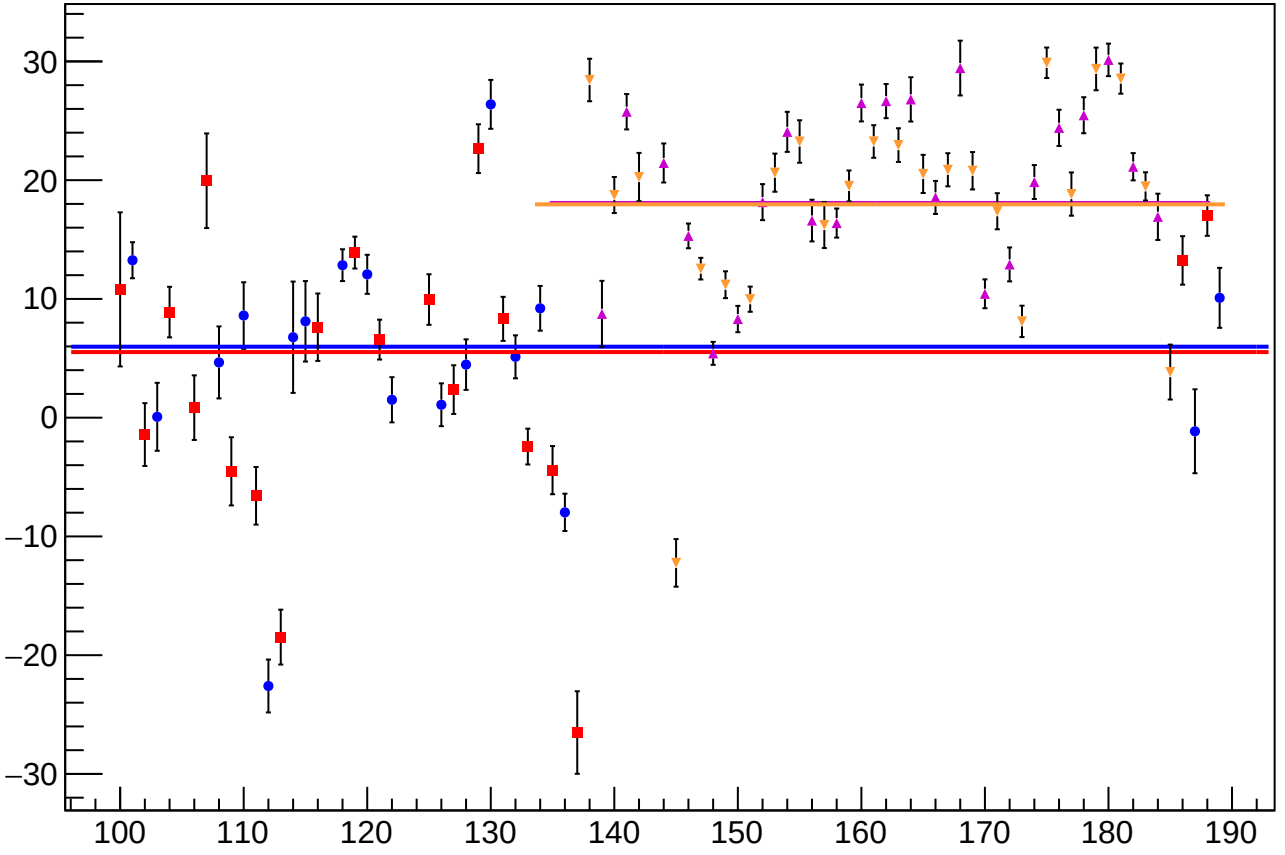
Left In: 66.964+/-0.341 χ^2/NDF:2221.3/22

+ sign 75.733+/-0.263 χ^2/NDF: 8416.2/41

All: 77.911+/-0.180 χ^2/NDF: 17928.7/84

- sign 79.838+/-0.247 χ^2/NDF: 9383.0/42

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 5.976+/-0.481 χ^2/NDF: 433.5/17

Left Out: 17.963+/-0.292 χ^2/NDF:732.1/23

Right Out: 5.523+/-0.475 χ^2/NDF: 486.1/19

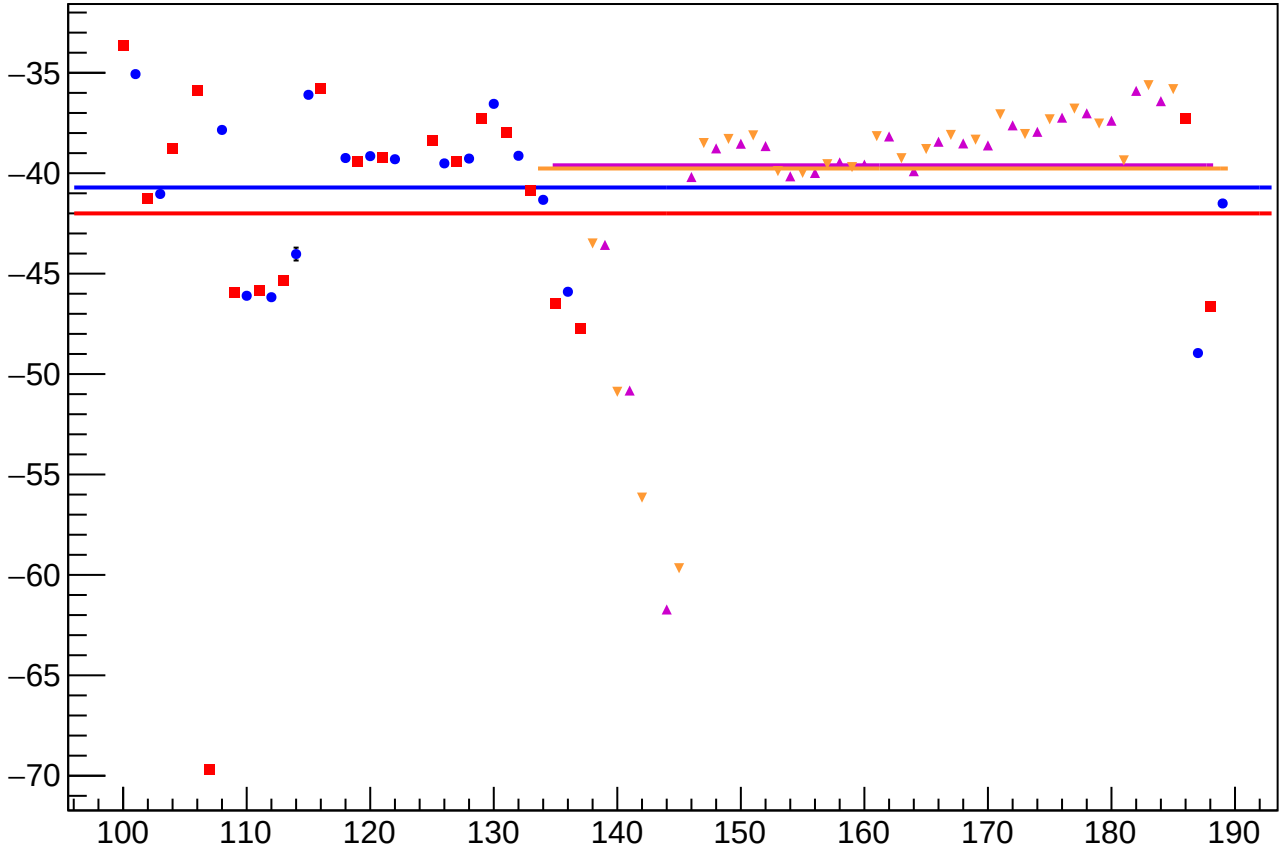
Left In: 18.079+/-0.295 χ^2/NDF:605.0/22

\+ sign 14.735+/-0.250 χ^2/NDF: 1619.5/41

All: 14.661+/-0.177 χ^2/NDF: 3215.4/84

\- sign 14.586+/-0.250 χ^2/NDF: 1595.7/42

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.710+/-0.027 χ^2/NDF: 19985.4/17

Left Out: -39.765+/-0.013 χ^2/NDF:129895.4/23

Right Out: -42.001+/-0.027 χ^2/NDF: 40720.5/19

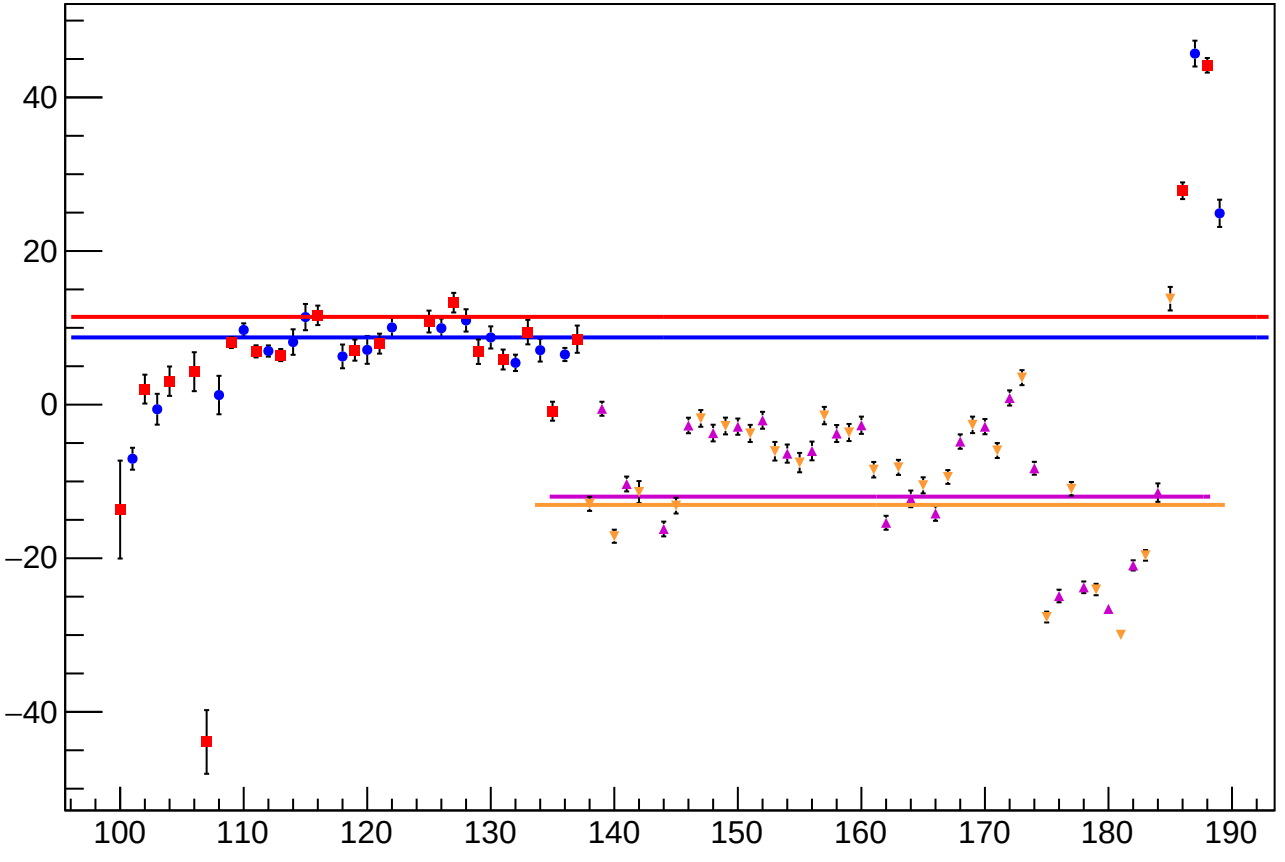
Left In: -39.606+/-0.013 χ^2/NDF:106639.2/22

+ sign -39.951+/-0.012 χ^2/NDF: 150849.6/41

All: -40.011+/-0.009 χ^2/NDF: 304470.2/84

- sign -40.070+/-0.012 χ^2/NDF: 153571.8/42

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 8.752+/-0.300 χ^2/NDF: 753.8/17

Left Out: -13.054+/-0.193 χ^2/NDF:2868.1/23

Right Out: 11.426+/-0.275 χ^2/NDF: 1904.9/19

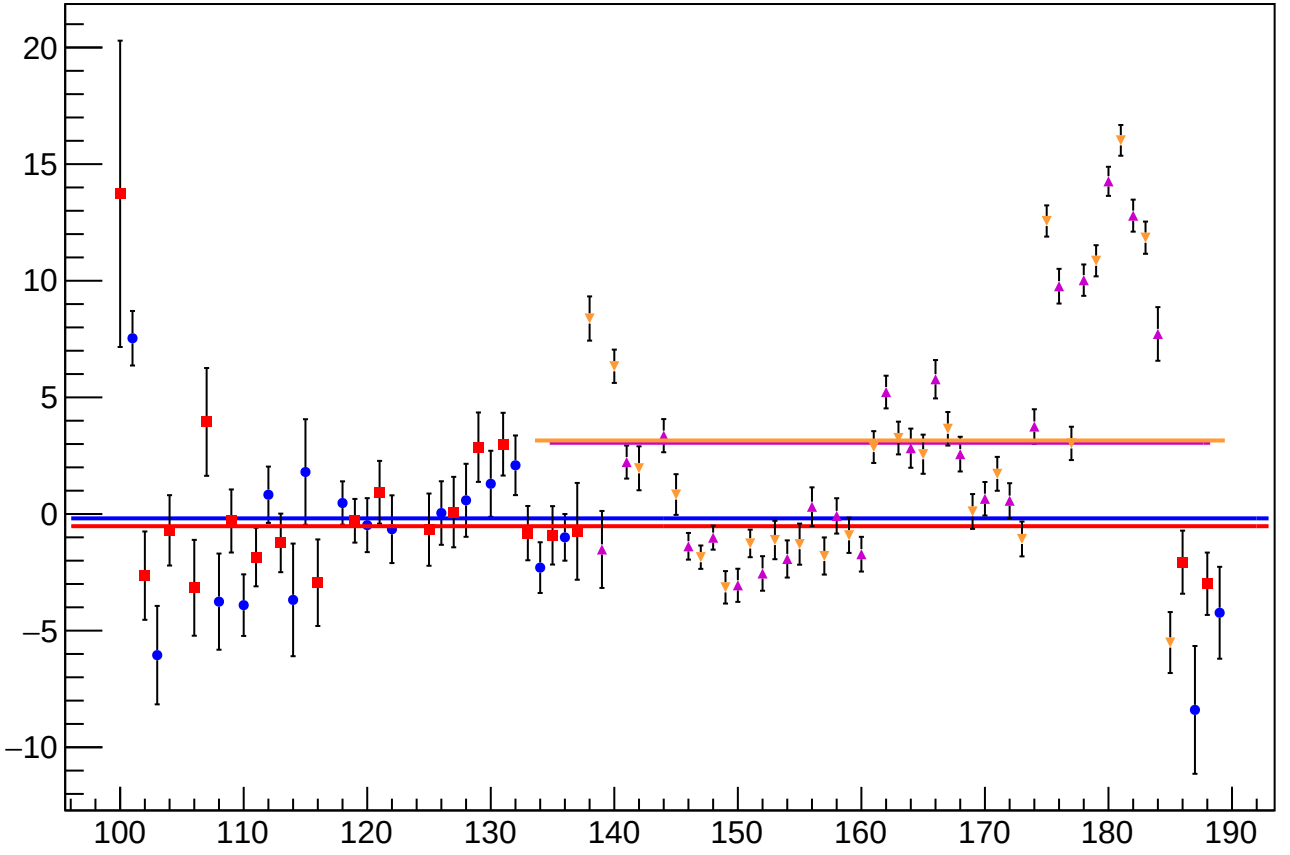
Left In: -11.978+/-0.195 χ^2/NDF:2176.6/22

+ sign -6.675+/-0.162 χ^2/NDF: 7365.2/41

All: -5.381+/-0.114 χ^2/NDF: 16378.2/84

- sign -4.130+/-0.159 χ^2/NDF: 8887.7/42

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: -0.187+/-0.325 χ^2/NDF: 88.7/17

Left Out: 3.153+/-0.149 χ^2/NDF:1385.1/23

Right Out: -0.523+/-0.324 χ^2/NDF: 32.8/19

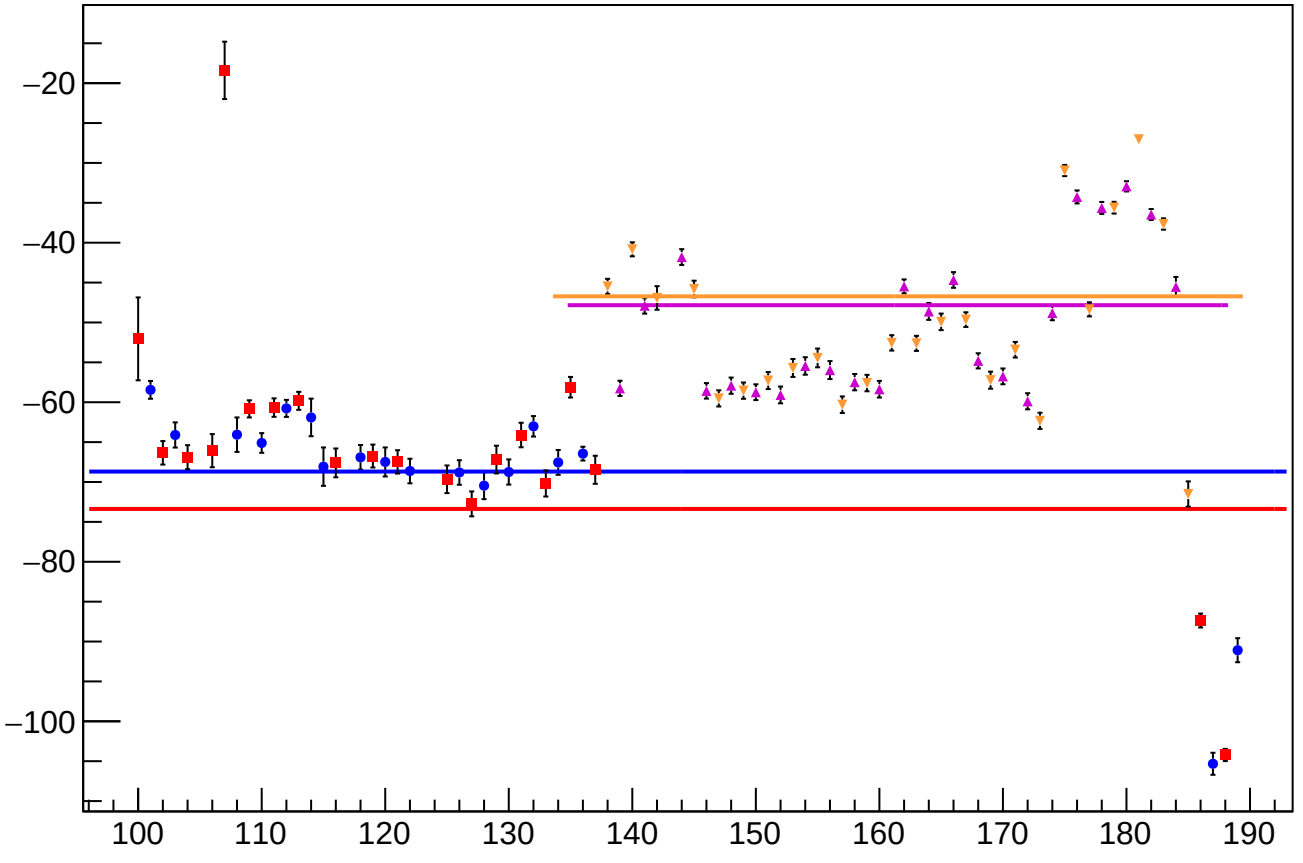
Left In: 3.055+/-0.152 χ^2/NDF:1145.0/22

+ sign 2.571+/-0.136 χ^2/NDF: 1561.2/41

All: 2.491+/-0.097 χ^2/NDF: 2839.8/84

- sign 2.409+/-0.138 χ^2/NDF: 1277.9/42

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -68.692+/-0.334 χ^2/NDF: 1122.6/17

Left Out: -46.724+/-0.192 χ^2/NDF:3446.1/23

Right Out: -73.376+/-0.305 χ^2/NDF: 2836.7/19

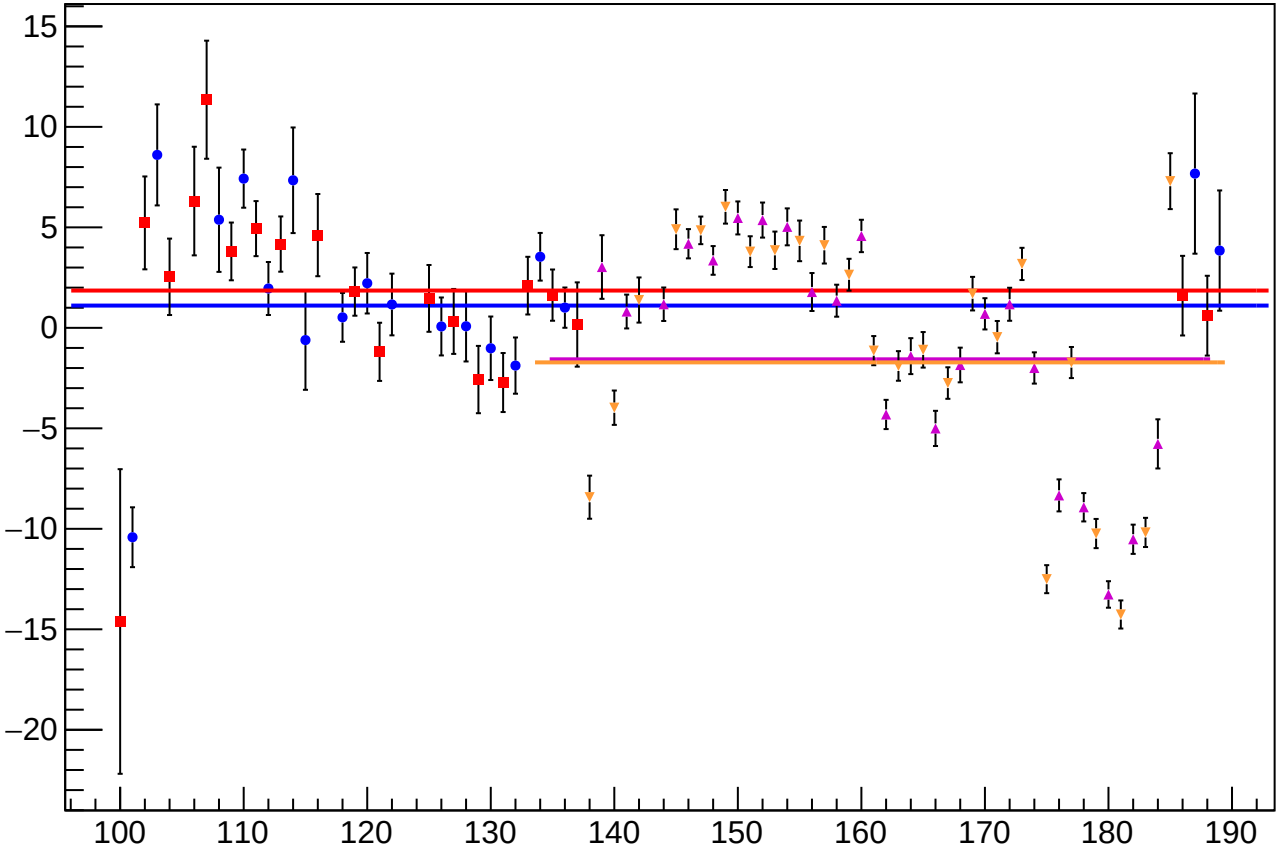
Left In: -47.835+/-0.194 χ^2/NDF:2557.6/22

+ sign -52.152+/-0.166 χ^2/NDF: 7818.5/41

All: -53.683+/-0.117 χ^2/NDF: 18364.2/84

- sign -55.168+/-0.164 χ^2/NDF: 10378.5/42

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 1.108+/-0.371 χ^2/NDF: 112.9/17

Left Out: -1.718+/-0.168 χ^2/NDF:1406.1/23

Right Out: 1.856+/-0.375 χ^2/NDF: 54.9/19

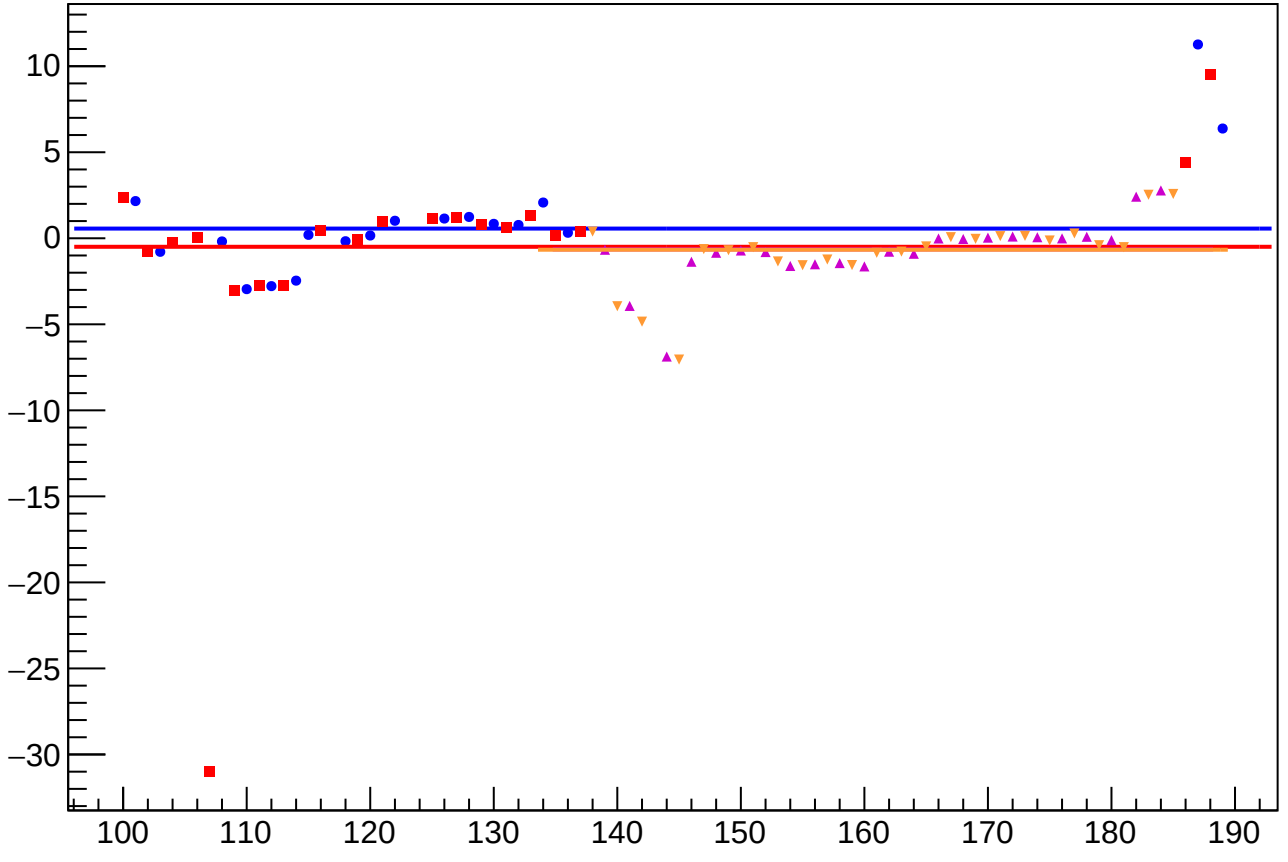
Left In: -1.567+/-0.171 χ^2/NDF:1117.7/22

+ sign -1.238+/-0.153 χ^2/NDF: 1567.1/41

All: -1.112+/-0.109 χ^2/NDF: 2810.0/84

- sign -0.981+/-0.155 χ^2/NDF: 1241.5/42

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.564+/-0.021 χ^2/NDF: 9380.7/17

Left Out: -0.666+/-0.008 χ^2/NDF:55276.7/23

Right Out: -0.495+/-0.021 χ^2/NDF: 58641.1/19

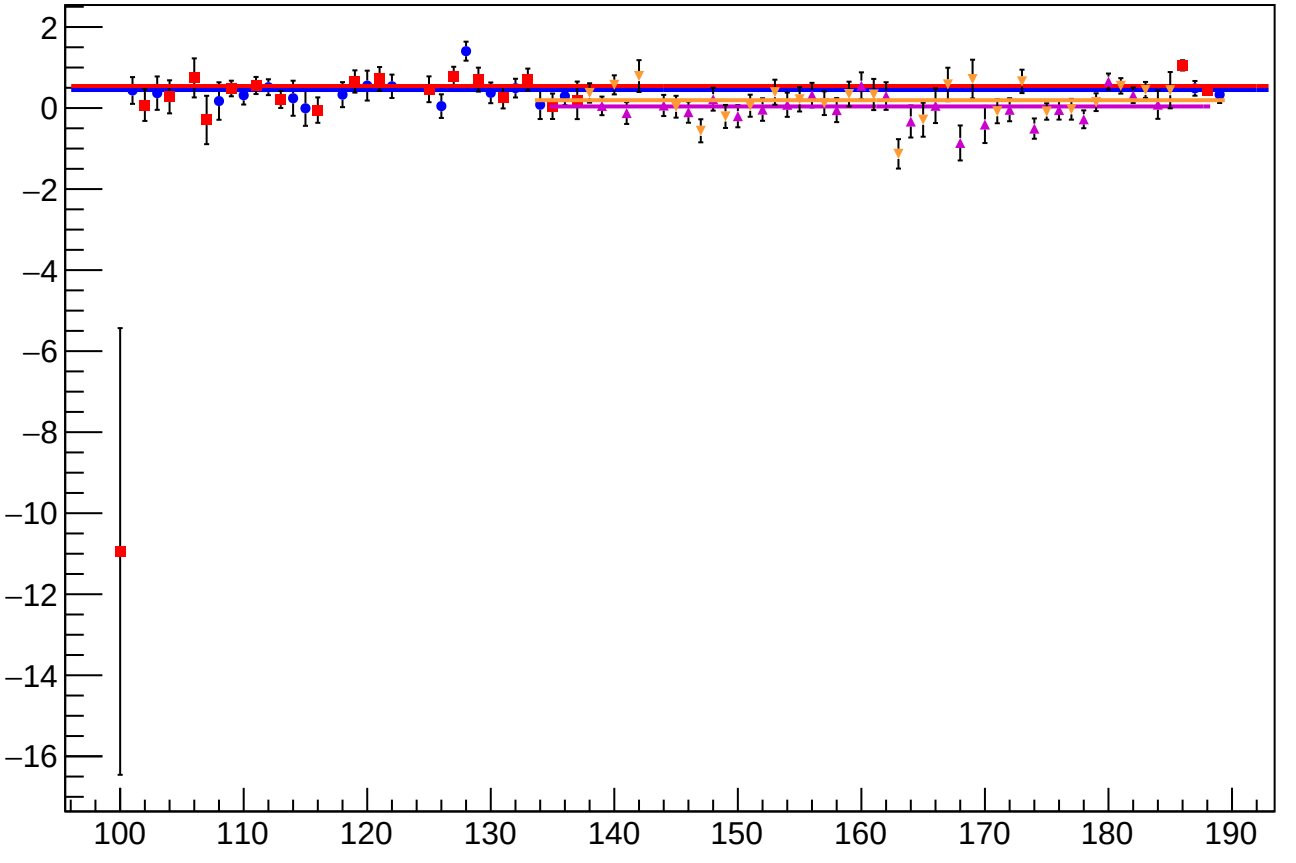
Left In: -0.646+/-0.008 χ^2/NDF:45569.5/22

+ sign -0.523+/-0.007 χ^2/NDF: 67773.2/41

All: -0.576+/-0.005 χ^2/NDF: 172141.8/84

- sign -0.629+/-0.007 χ^2/NDF: 104255.2/42

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.445+/-0.063 χ^2/NDF: 23.0/17

Left Out: 0.194+/-0.057 χ^2/NDF:44.2/23

Right Out: 0.544+/-0.053 χ^2/NDF: 38.2/19

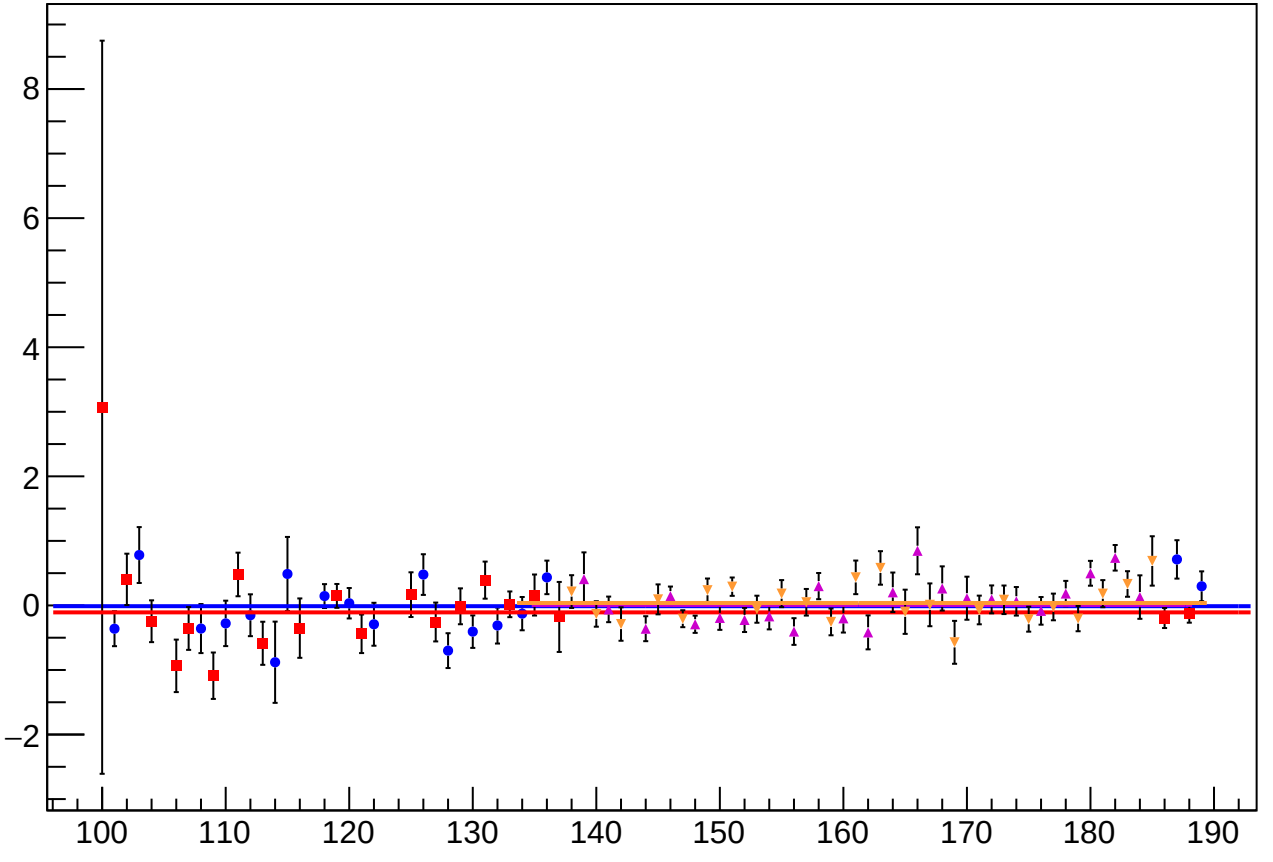
Left In: 0.039+/-0.058 χ^2/NDF:30.5/22

+ sign 0.306+/-0.042 χ^2/NDF: 75.9/41

All: 0.311+/-0.029 χ^2/NDF: 186.5/84

- sign 0.314+/-0.039 χ^2/NDF: 110.5/42

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.012+/-0.068 χ^2/NDF: 34.1/17

Left Out: 0.038+/-0.043 χ^2/NDF:32.8/23

Right Out: -0.108+/-0.061 χ^2/NDF: 28.3/19

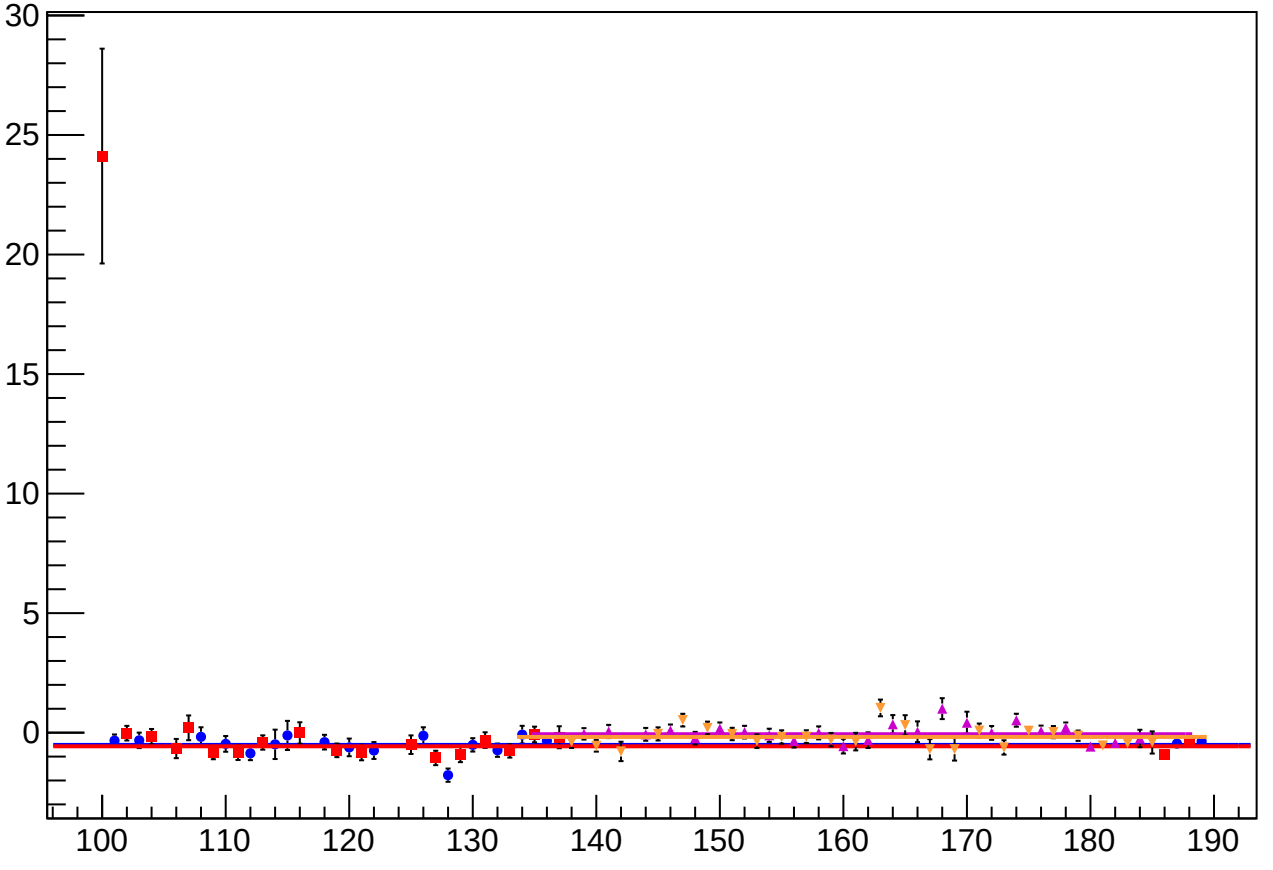
Left In: 0.008+/-0.044 χ^2/NDF:51.4/22

+ sign 0.024+/-0.036 χ^2/NDF: 67.3/41

All: -0.005+/-0.026 χ^2/NDF: 150.5/84

- sign -0.032+/-0.036 χ^2/NDF: 82.1/42

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: -0.512+/-0.065 χ^2/NDF: 29.5/17

Left Out: -0.178+/-0.056 χ^2/NDF:42.1/23

Right Out: -0.570+/-0.050 χ^2/NDF: 64.4/19

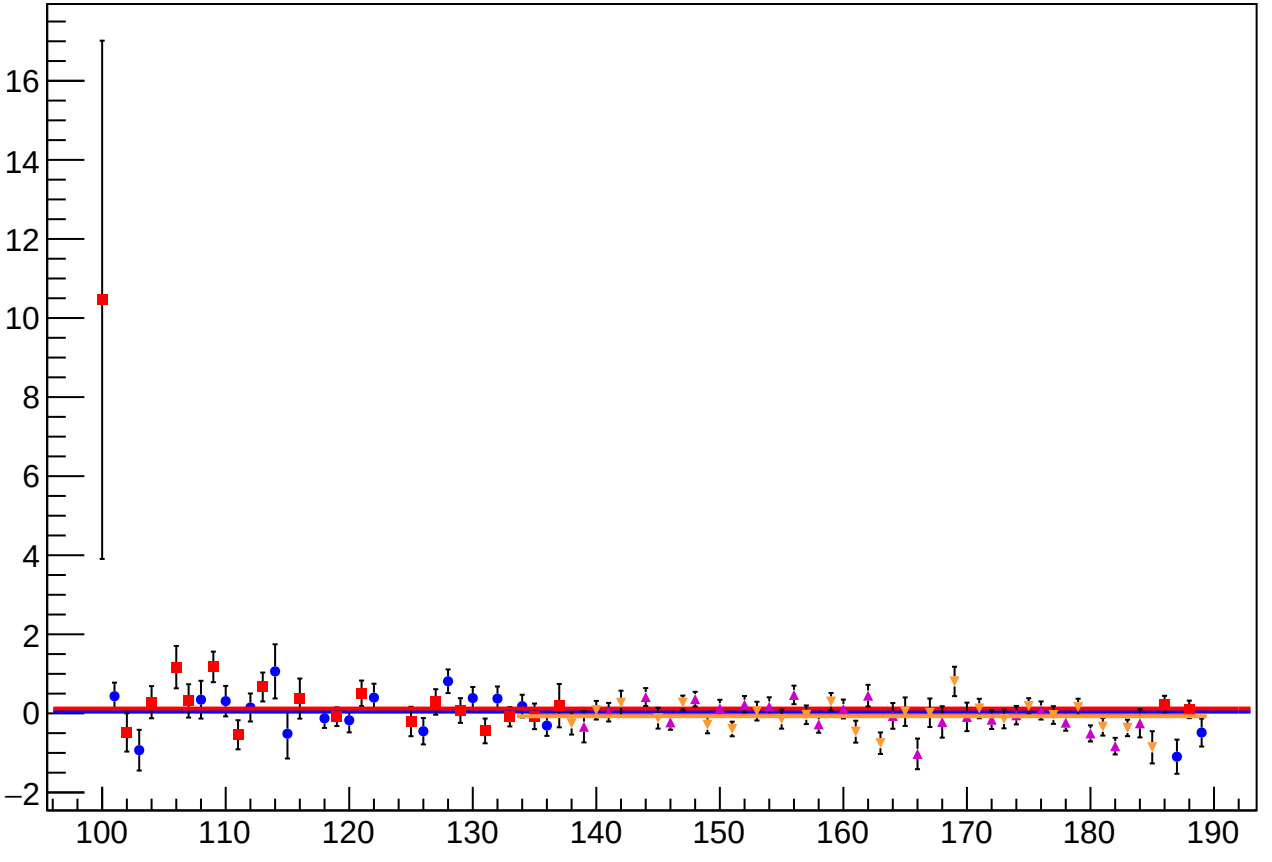
Left In: -0.066+/-0.057 χ^2/NDF:31.4/22

+ sign -0.320+/-0.043 χ^2/NDF: 86.7/41

All: -0.336+/-0.028 χ^2/NDF: 226.8/84

- sign -0.349+/-0.038 χ^2/NDF: 139.8/42

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.045+/-0.080 χ^2/NDF: 33.6/17

Left Out: -0.072+/-0.049 χ^2/NDF:37.7/23

Right Out: 0.121+/-0.075 χ^2/NDF: 29.2/19

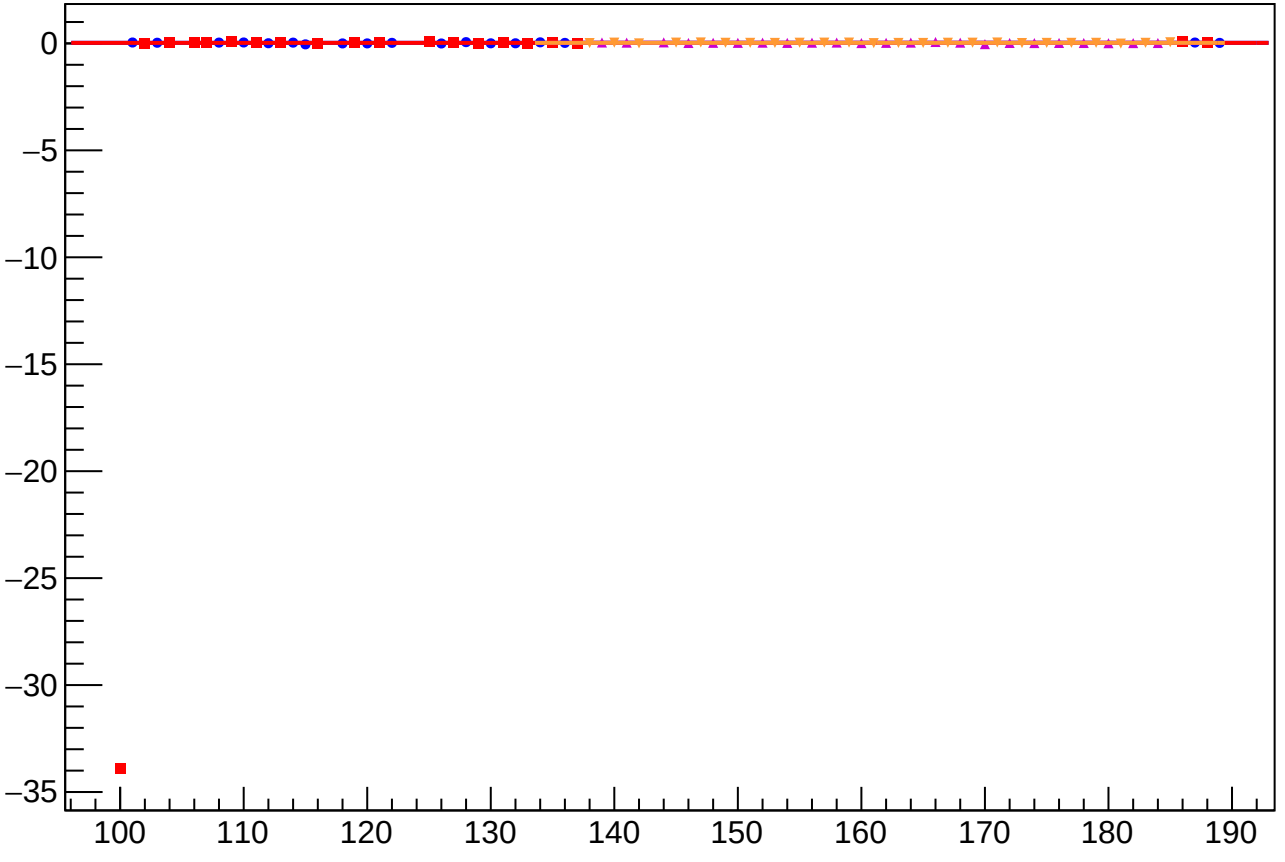
Left In: -0.047+/-0.050 χ^2/NDF:50.5/22

+ sign -0.040+/-0.042 χ^2/NDF: 72.8/41

All: -0.017+/-0.030 χ^2/NDF: 156.6/84

- sign 0.005+/-0.042 χ^2/NDF: 83.2/42

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: 0.028+/-0.005 χ^2/NDF: 15.0/17

Left Out: 0.026+/-0.002 χ^2/NDF:31.4/23

Right Out: 0.025+/-0.004 χ^2/NDF: 22302.7/19

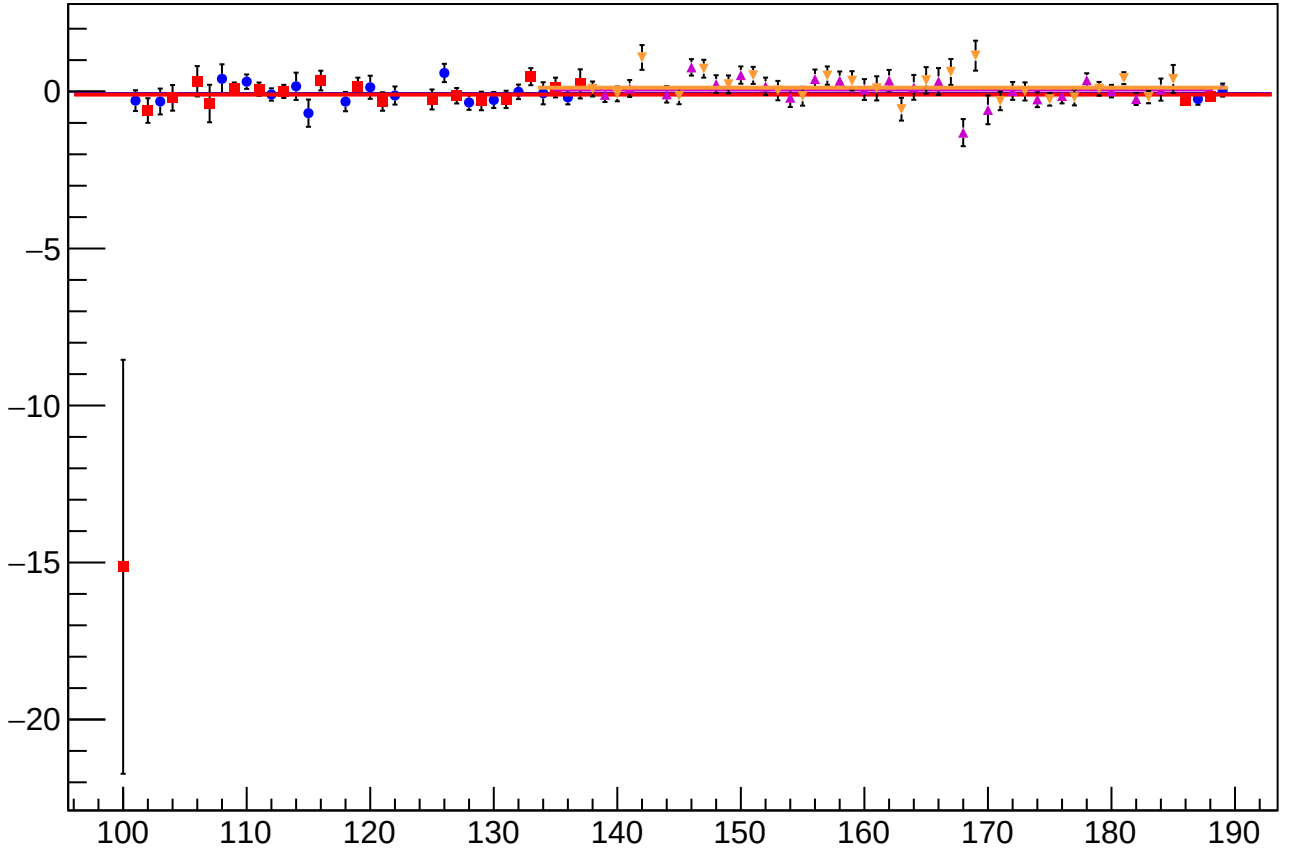
Left In: 0.026+/-0.002 χ^2/NDF:39.5/22

+ sign 0.027+/-0.002 χ^2/NDF: 46.5/41

All: 0.026+/-0.001 χ^2/NDF: 22388.8/84

- sign 0.026+/-0.002 χ^2/NDF: 22342.3/42

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.080+/-0.063 χ^2/NDF: 16.7/17

Left Out: 0.122+/-0.057 χ^2/NDF:39.6/23

Right Out: -0.097+/-0.053 χ^2/NDF: 22.7/19

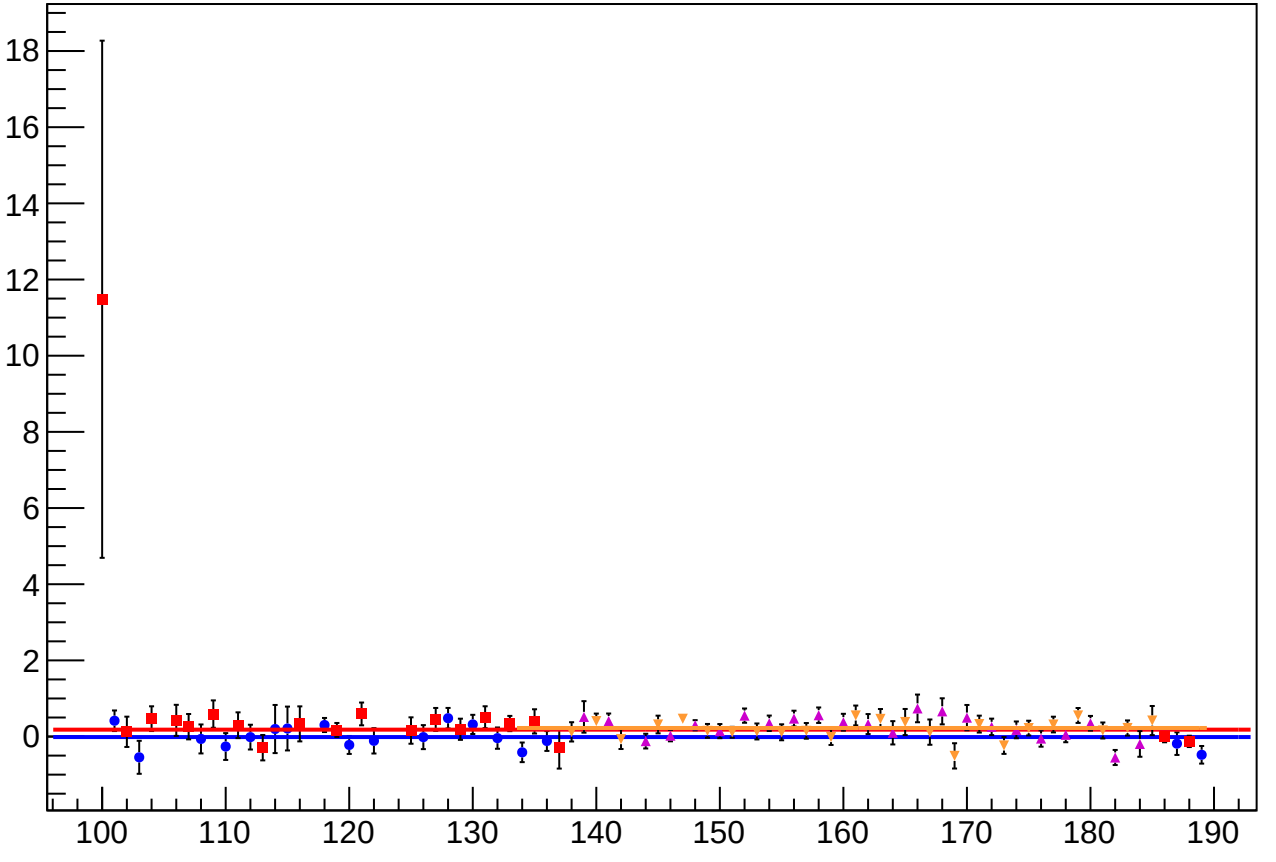
Left In: 0.063+/-0.058 χ^2/NDF:34.2/22

+ sign 0.032+/-0.042 χ^2/NDF: 61.9/41

All: 0.002+/-0.029 χ^2/NDF: 124.1/84

- sign -0.024+/-0.039 χ^2/NDF: 61.2/42

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: -0.013+/-0.068 χ^2/NDF: 20.7/17

Left Out: 0.225+/-0.043 χ^2/NDF:24.1/23

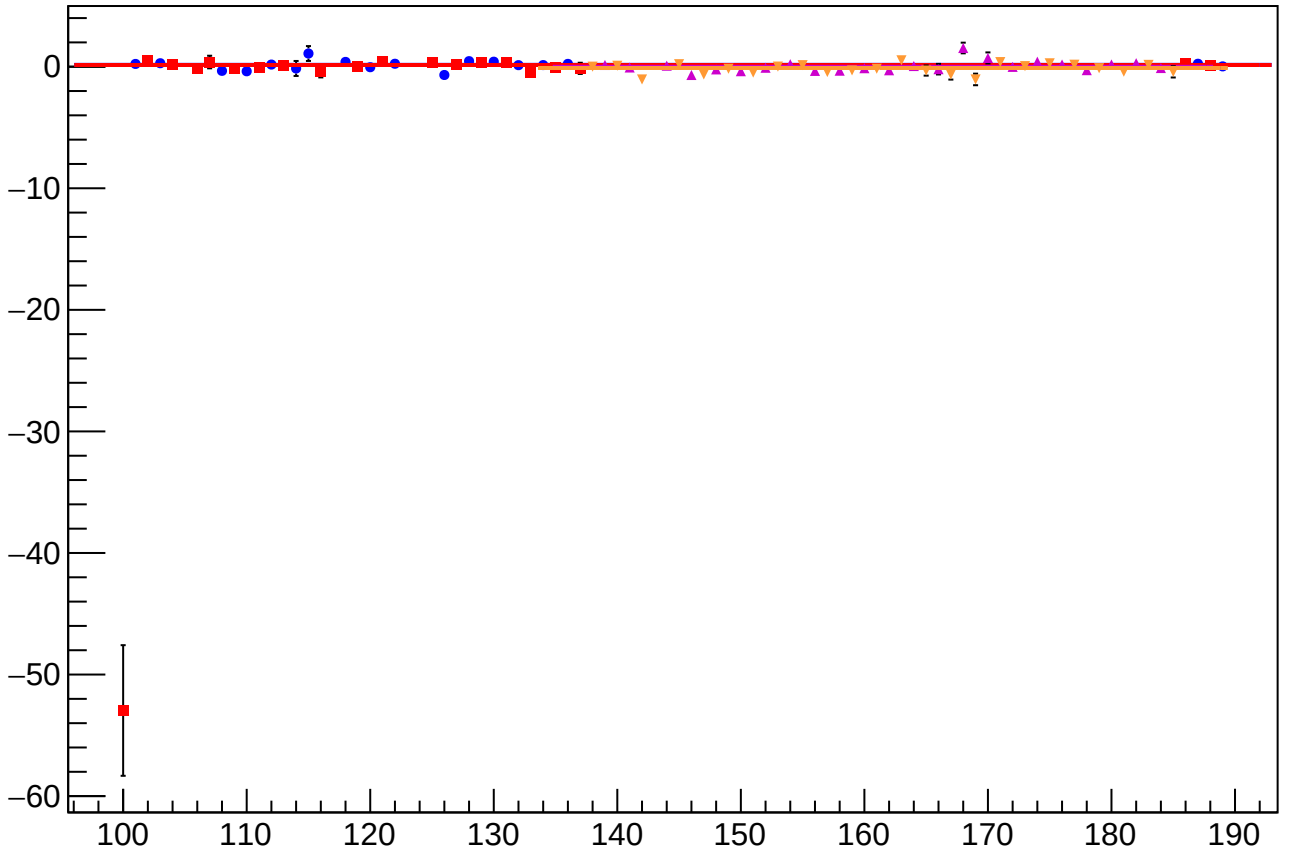
Right Out: 0.181+/-0.061 χ^2/NDF: 19.0/19

Left In: 0.221+/-0.044 χ^2/NDF:39.3/22

+ sign 0.156+/-0.036 χ^2/NDF: 53.6/41

All: 0.182+/-0.026 χ^2/NDF: 113.2/84

- sign 0.207+/-0.036 χ^2/NDF: 58.6/42



Right In: 0.153+/-0.065 χ^2/NDF: 16.5/17

Left Out: -0.105+/-0.056 χ^2/NDF:37.6/23

Right Out: 0.141+/-0.050 χ^2/NDF: 111.6/19

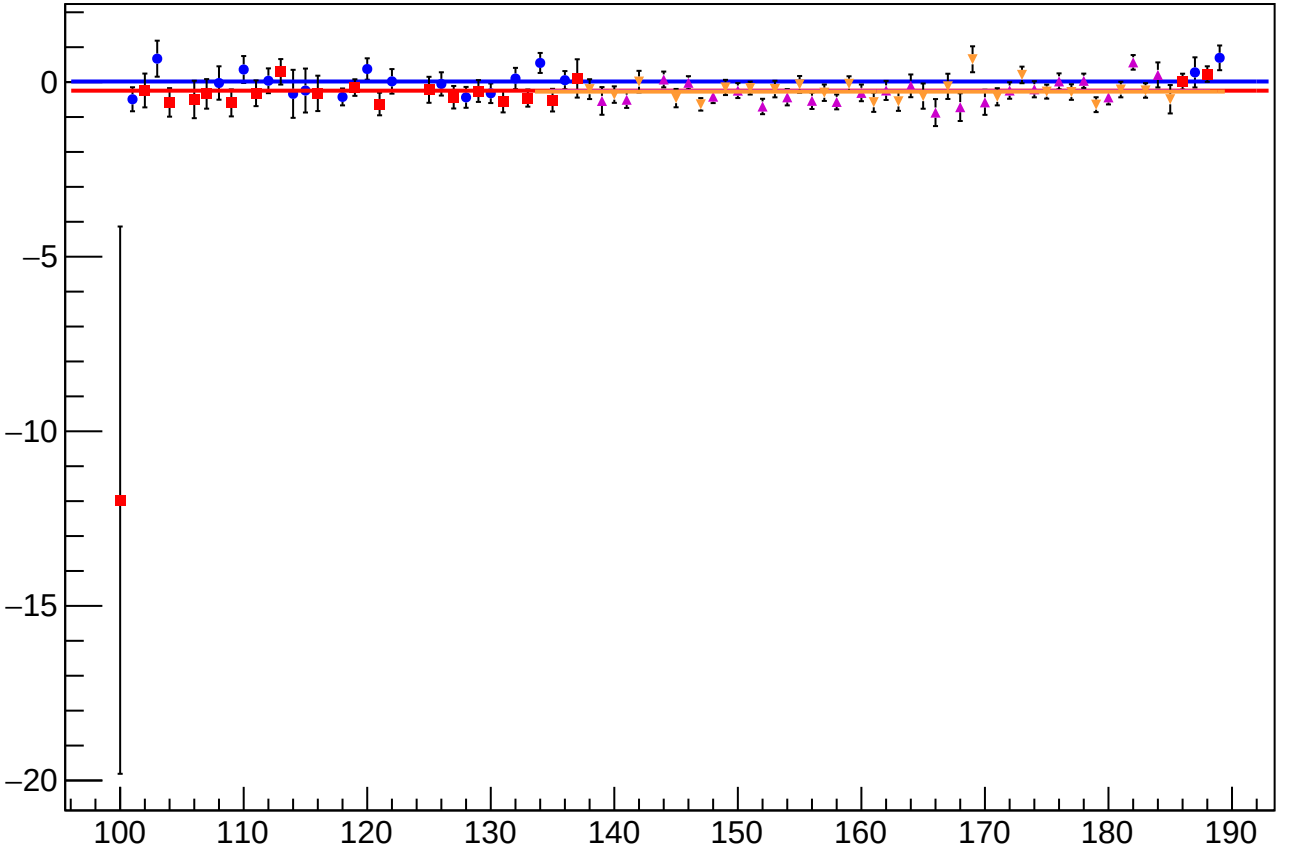
Left In: -0.009+/-0.057 χ^2/NDF:38.0/22

+ sign 0.005+/-0.043 χ^2/NDF: 63.0/41

All: 0.044+/-0.028 χ^2/NDF: 218.0/84

- sign 0.075+/-0.038 χ^2/NDF: 153.5/42

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: 0.018+/-0.080 χ^2/NDF: 21.1/17

Left Out: -0.272+/-0.049 χ^2/NDF:24.8/23

Right Out: -0.245+/-0.075 χ^2/NDF: 16.8/19

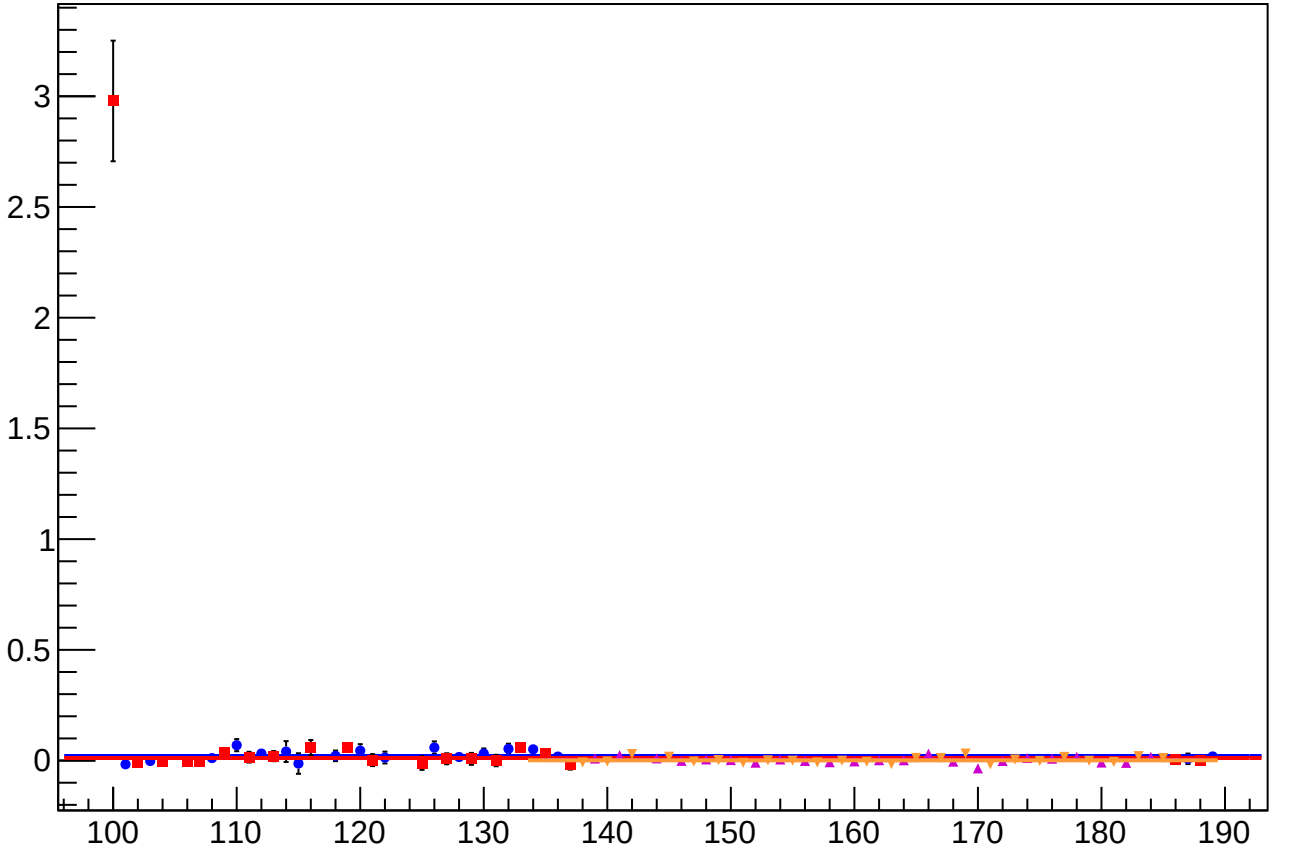
Left In: -0.254+/-0.050 χ^2/NDF:40.6/22

+ sign -0.192+/-0.042 χ^2/NDF: 55.4/41

All: -0.222+/-0.030 χ^2/NDF: 113.9/84

- sign -0.251+/-0.042 χ^2/NDF: 57.4/42

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: 0.021+/-0.005 χ^2/NDF: 22.8/17

Left Out: 0.001+/-0.002 χ^2/NDF:26.7/23

Right Out: 0.012+/-0.004 χ^2/NDF: 142.1/19

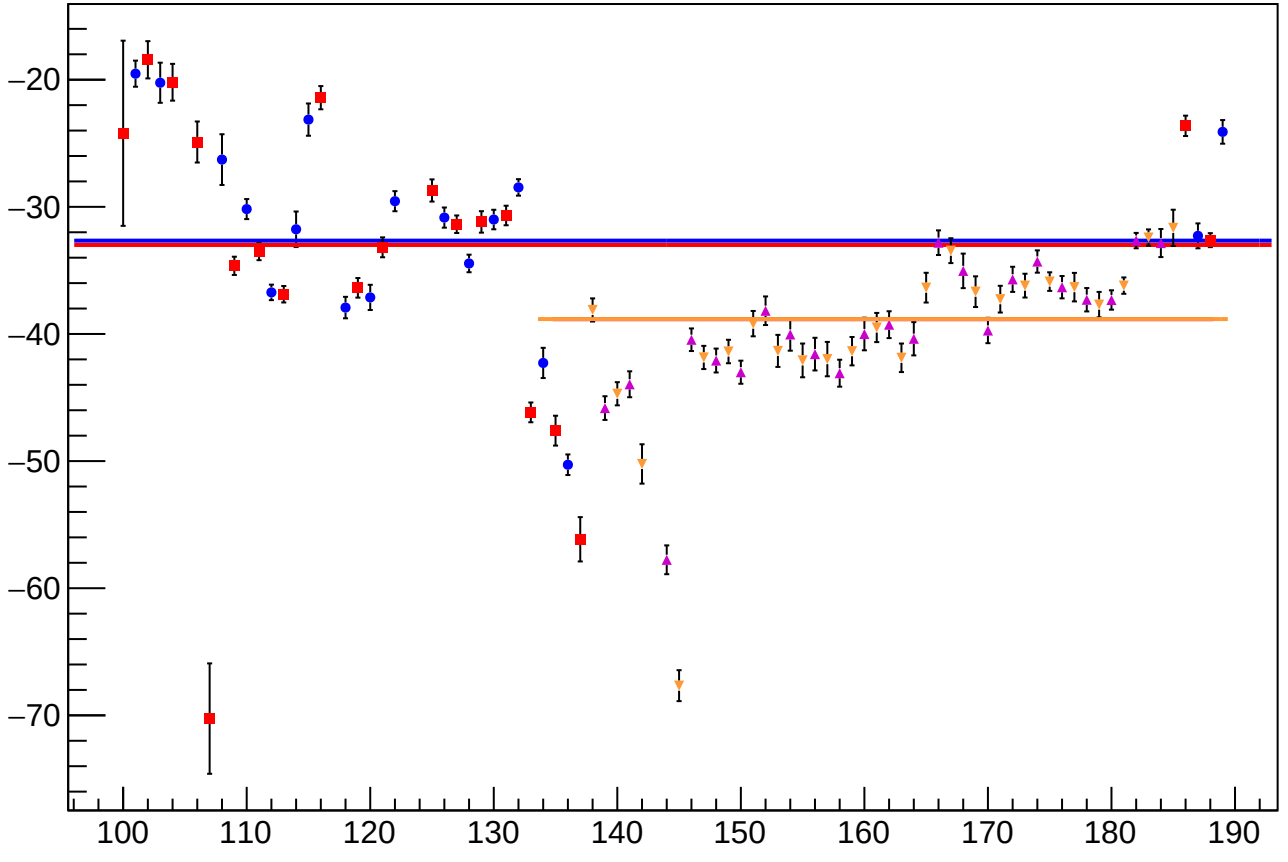
Left In: 0.002+/-0.002 χ^2/NDF:24.6/22

+ sign 0.005+/-0.002 χ^2/NDF: 64.3/41

All: 0.005+/-0.001 χ^2/NDF: 234.7/84

- sign 0.004+/-0.002 χ^2/NDF: 170.4/42

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -32.659+/-0.207 χ^2/NDF: 1103.8/17

Left Out: -38.829+/-0.202 χ^2/NDF:917.0/23

Right Out: -32.999+/-0.194 χ^2/NDF: 1297.1/19

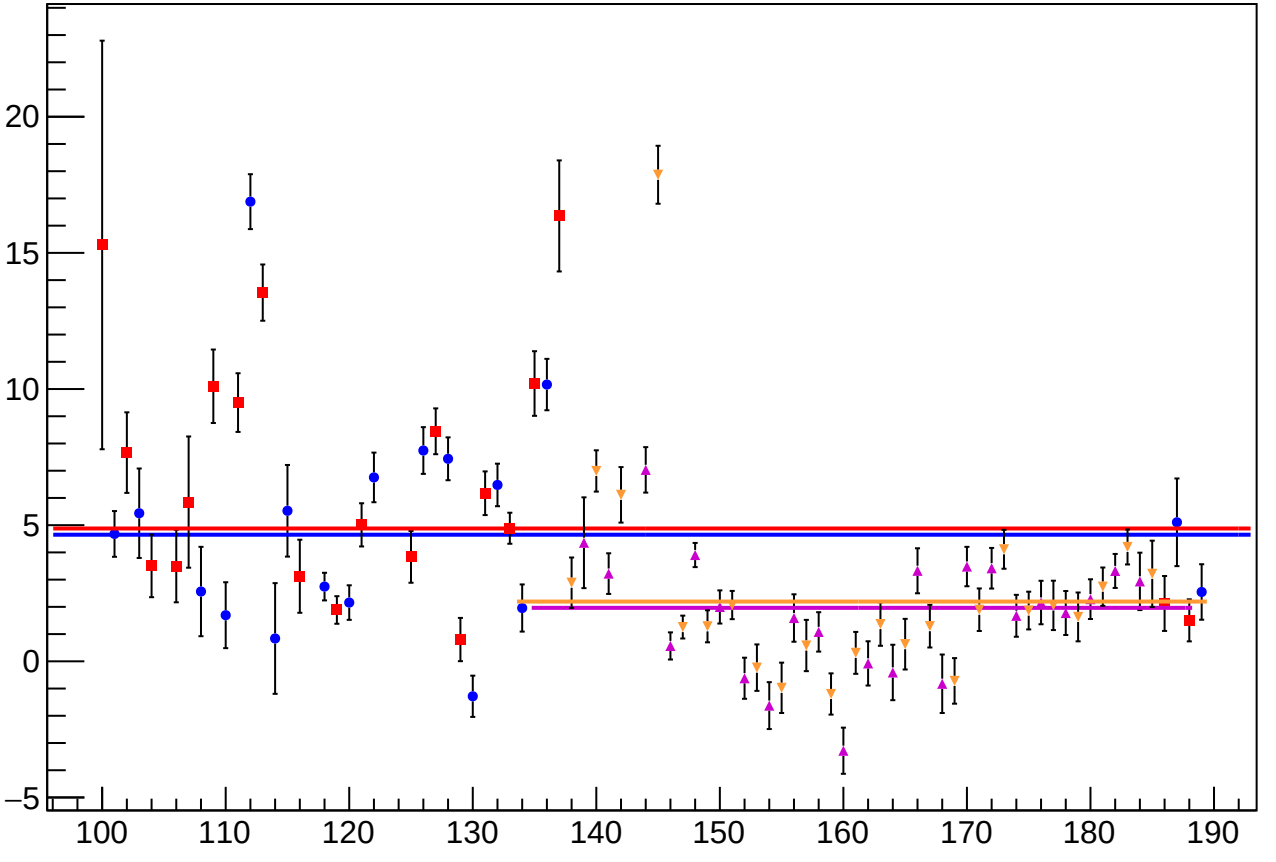
Left In: -38.837+/-0.203 χ^2/NDF:653.4/22

+ sign -35.825+/-0.145 χ^2/NDF: 2474.9/41

All: -35.803+/-0.101 χ^2/NDF: 4856.5/84

- sign -35.782+/-0.140 χ^2/NDF: 2381.6/42

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 4.650+/-0.212 χ^2/NDF: 334.1/17

Left Out: 2.195+/-0.152 χ^2/NDF:365.1/23

Right Out: 4.878+/-0.210 χ^2/NDF: 275.0/19

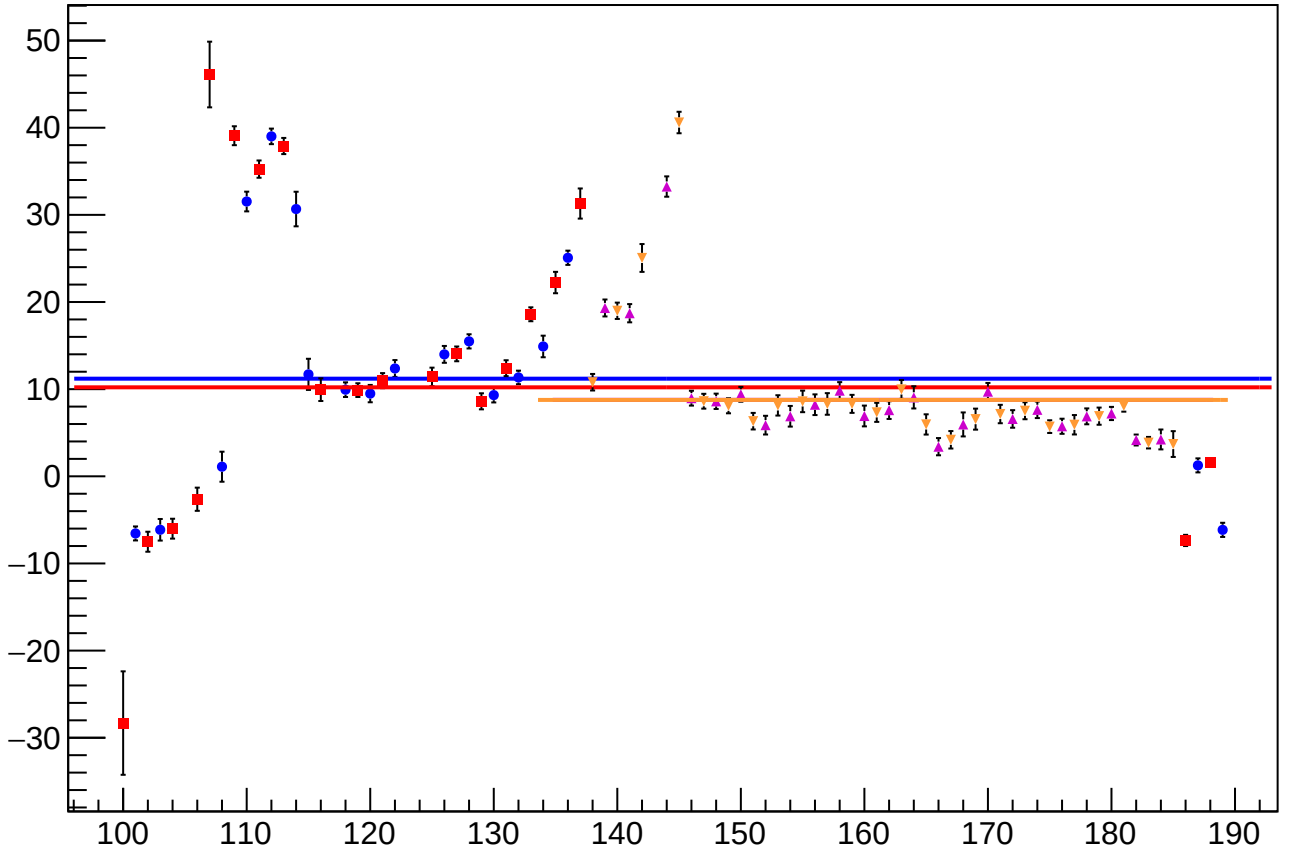
Left In: 1.964+/-0.155 χ^2/NDF:173.2/22

+ sign 3.027+/-0.124 χ^2/NDF: 787.4/41

All: 3.009+/-0.088 χ^2/NDF: 1360.6/84

- sign 2.990+/-0.125 χ^2/NDF: 573.2/42

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 11.203+/-0.227 χ^2/NDF: 3064.4/17

Left Out: 8.766+/-0.200 χ^2/NDF:1035.4/23

Right Out: 10.211+/-0.206 χ^2/NDF: 4415.9/19

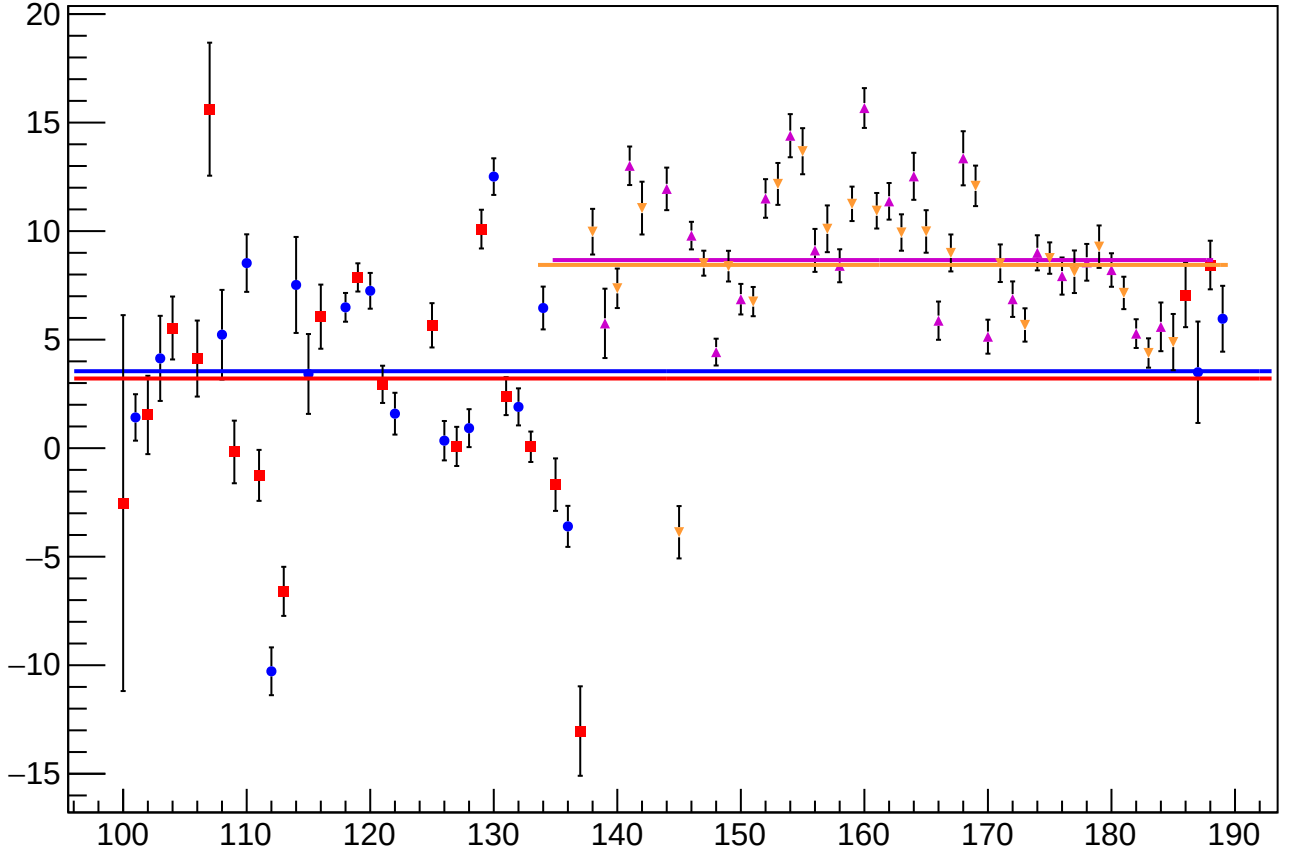
Left In: 8.773+/-0.201 χ^2/NDF:795.1/22

+ sign 9.836+/-0.150 χ^2/NDF: 4164.7/41

All: 9.648+/-0.104 χ^2/NDF: 9403.5/84

- sign 9.474+/-0.144 χ^2/NDF: 5235.8/42

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 3.546+/-0.249 χ^2/NDF: 430.2/17

Left Out: 8.442+/-0.174 χ^2/NDF:264.2/23

Right Out: 3.209+/-0.247 χ^2/NDF: 376.1/19

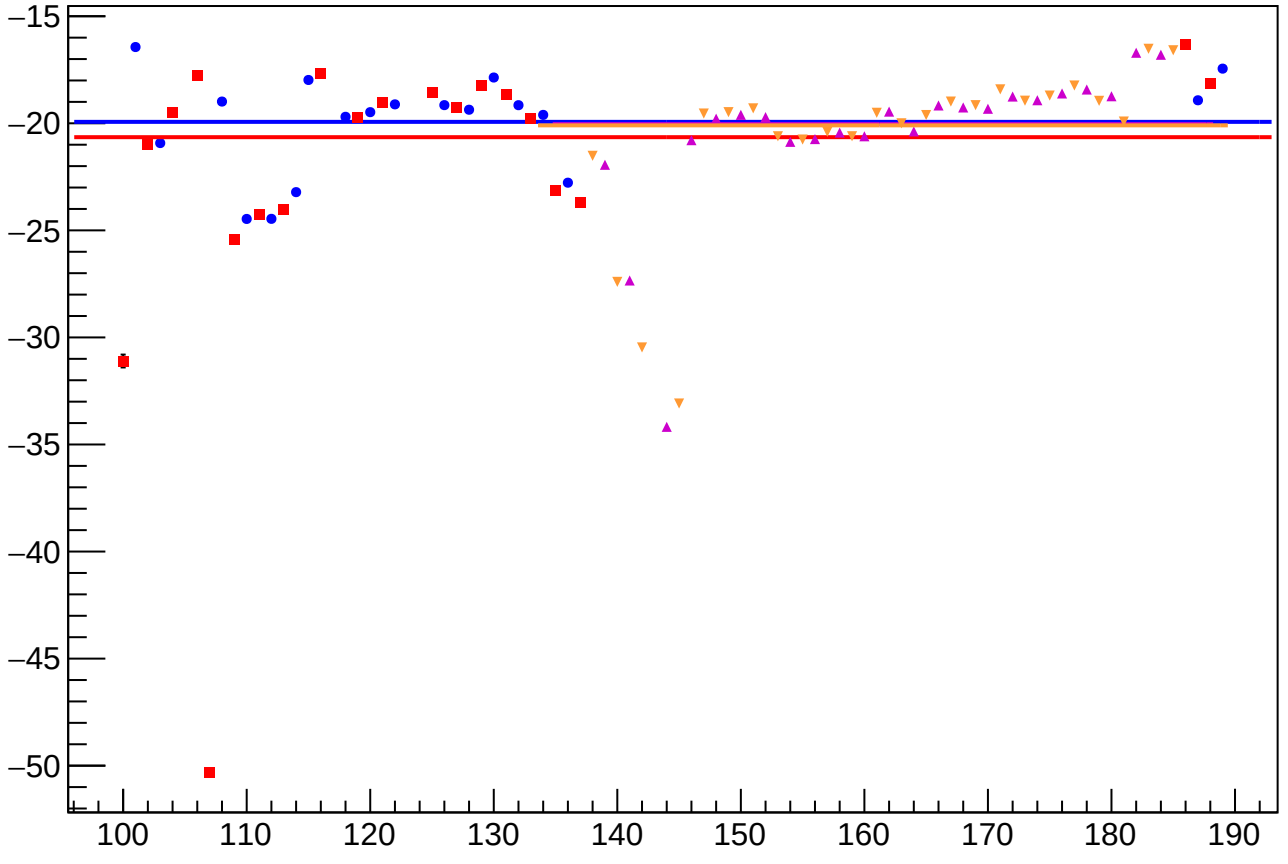
Left In: 8.666+/-0.176 χ^2/NDF:304.8/22

+ sign 6.840+/-0.142 χ^2/NDF: 955.0/41

All: 6.837+/-0.101 χ^2/NDF: 1959.8/84

- sign 6.835+/-0.143 χ^2/NDF: 1004.8/42

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.933+/-0.015 χ^2/NDF: 21835.0/17

Left Out: -20.096+/-0.008 χ^2/NDF:159293.0/23

Right Out: -20.648+/-0.015 χ^2/NDF: 62318.4/19

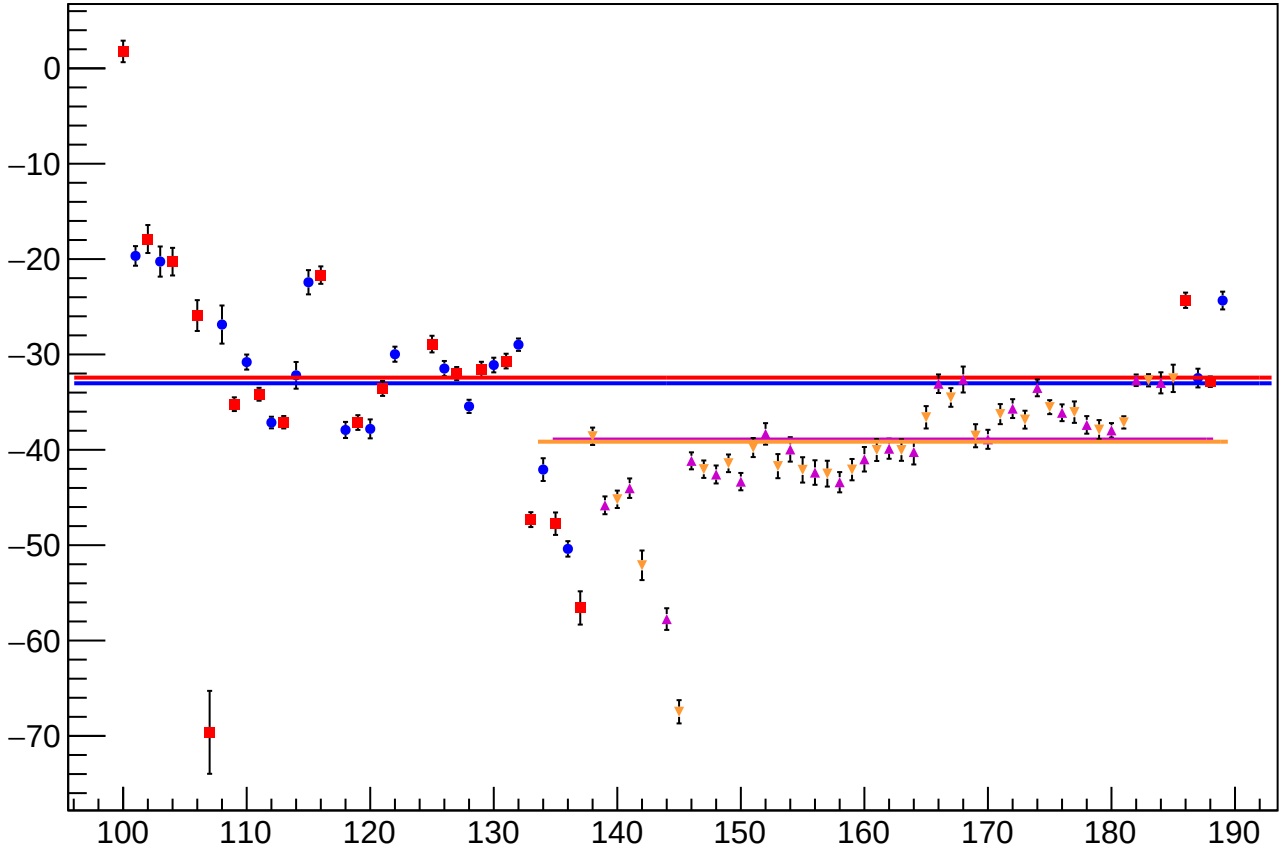
Left In: -20.037+/-0.008 χ^2/NDF:132291.6/22

+ sign -20.062+/-0.007 χ^2/NDF: 181217.5/41

All: -20.113+/-0.005 χ^2/NDF: 377173.6/84

- sign -20.164+/-0.007 χ^2/NDF: 195850.3/42

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -33.024+/-0.208 χ^2/NDF: 1101.1/17

Left Out: -39.148+/-0.202 χ^2/NDF:898.8/23

Right Out: -32.430+/-0.192 χ^2/NDF: 2278.5/19

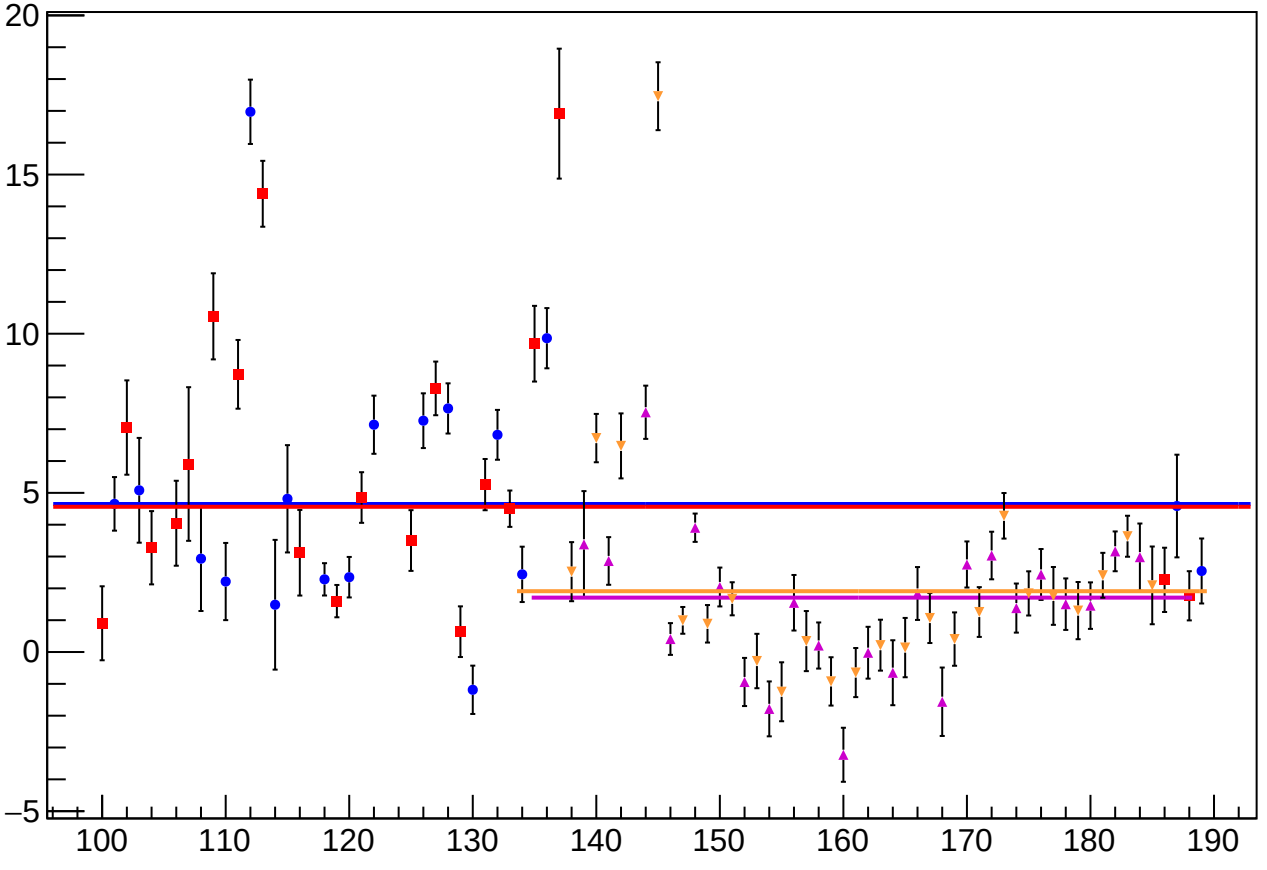
Left In: -38.921+/-0.204 χ^2/NDF:684.4/22

+ sign -36.167+/-0.145 χ^2/NDF: 2445.3/41

All: -35.810+/-0.101 χ^2/NDF: 5958.0/84

- sign -35.479+/-0.140 χ^2/NDF: 3501.0/42

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 4.650+/-0.213 χ^2/NDF: 330.2/17

Left Out: 1.911+/-0.152 χ^2/NDF:359.3/23

Right Out: 4.563+/-0.207 χ^2/NDF: 293.7/19

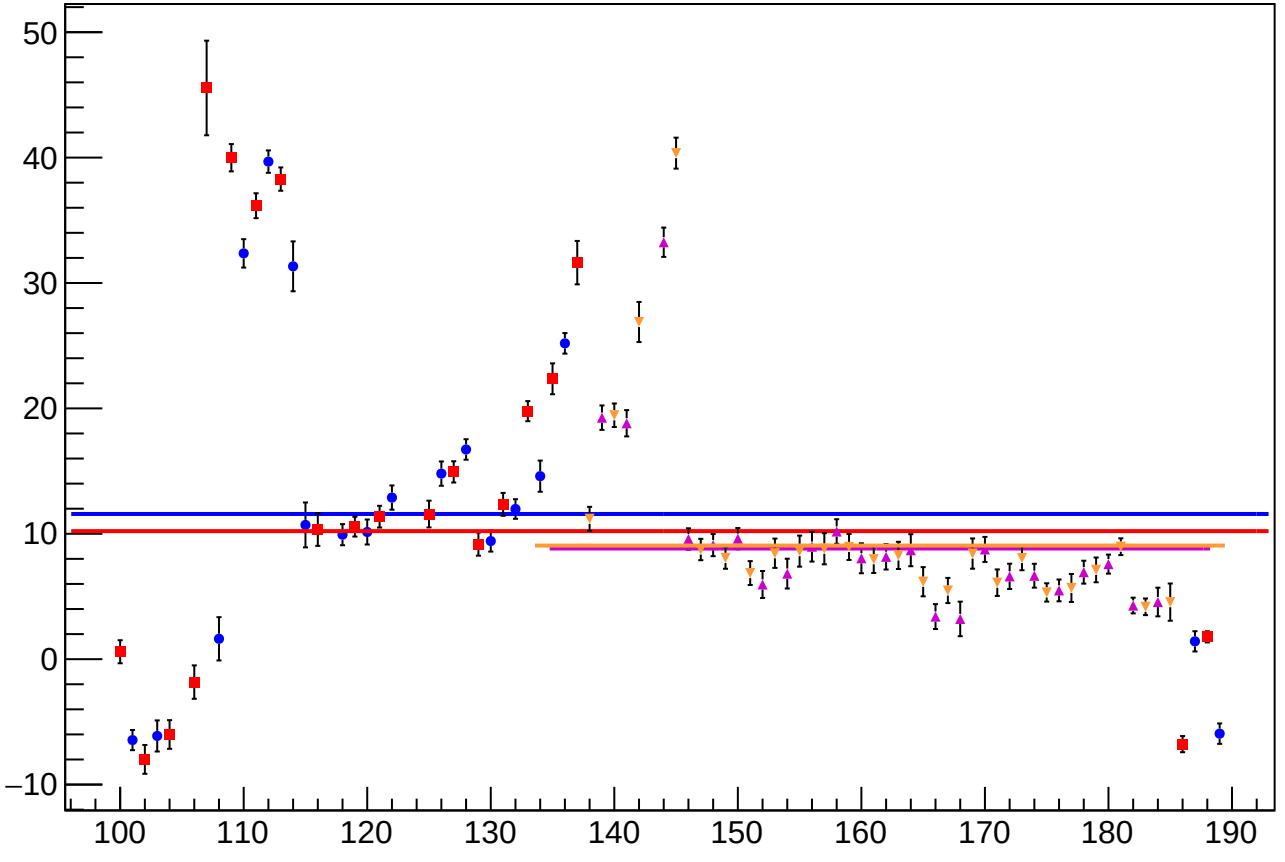
Left In: 1.709+/-0.155 χ^2/NDF:182.6/22

\+ sign 2.839+/-0.124 χ^2/NDF: 798.9/41

All: 2.787+/-0.088 χ^2/NDF: 1397.3/84

\- sign 2.734+/-0.124 χ^2/NDF: 598.1/42

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 11.579+/-0.227 χ^2/NDF: 3132.0/17

Left Out: 9.061+/-0.201 χ^2/NDF:1033.5/23

Right Out: 10.212+/-0.202 χ^2/NDF: 4566.5/19

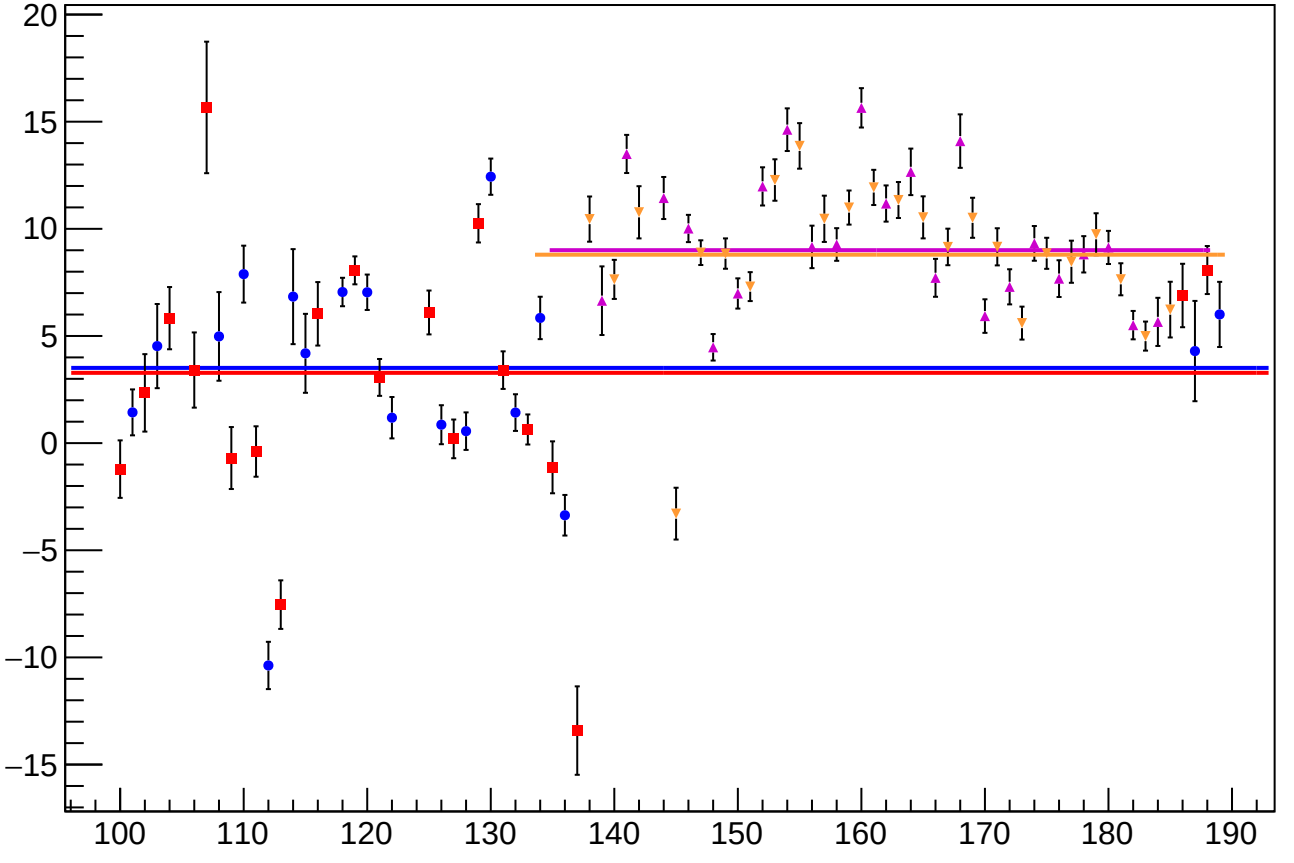
Left In: 8.826+/-0.202 χ^2/NDF:801.4/22

+ sign 10.167+/-0.150 χ^2/NDF: 4234.4/41

All: 9.826+/-0.104 χ^2/NDF: 9635.7/84

- sign 9.519+/-0.143 χ^2/NDF: 5391.5/42

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 3.511+/-0.249 χ^2/NDF: 426.9/17

Left Out: 8.793+/-0.174 χ^2/NDF:244.1/23

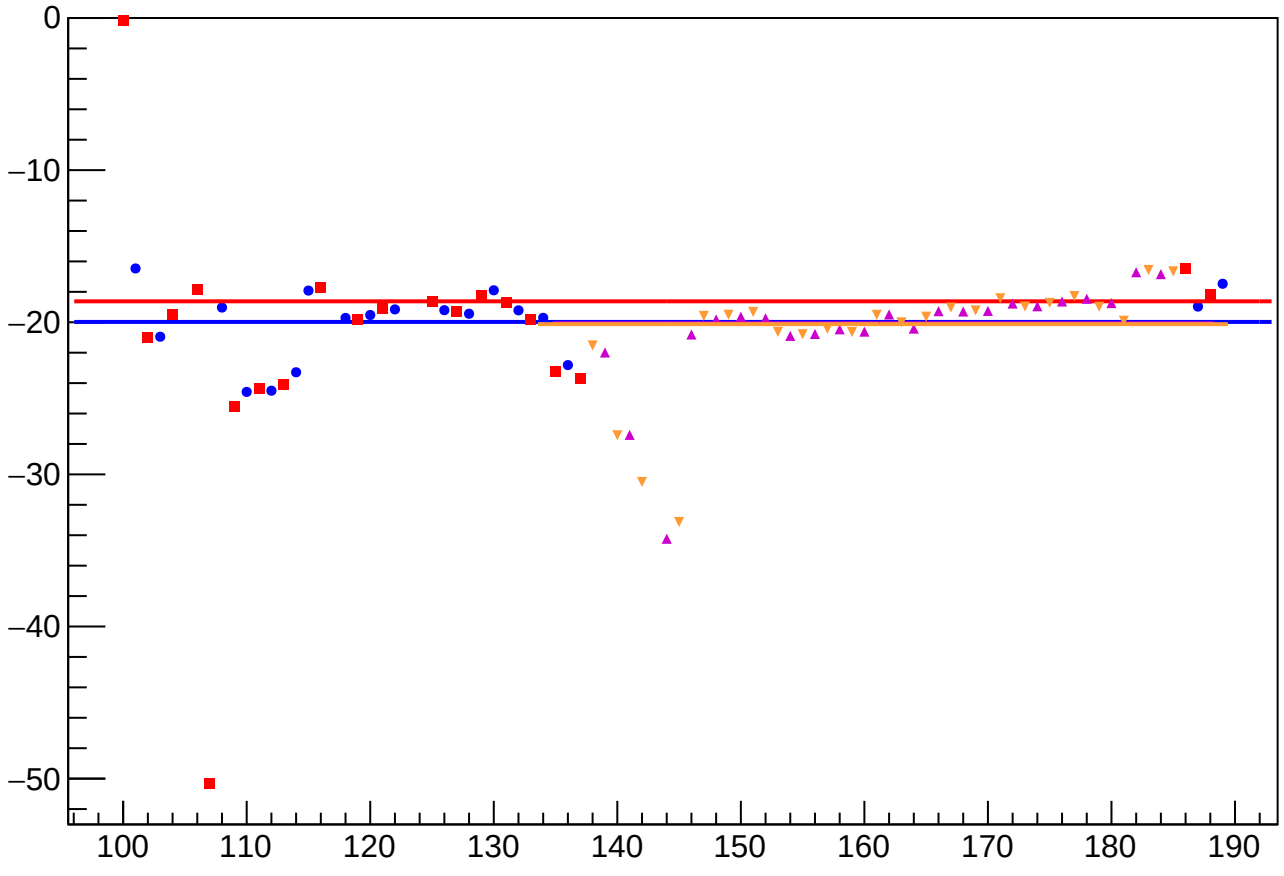
Right Out: 3.280+/-0.244 χ^2/NDF: 393.9/19

Left In: 9.004+/-0.176 χ^2/NDF:289.6/22

\+ sign 7.065+/-0.143 χ^2/NDF: 973.0/41

All: 7.053+/-0.101 χ^2/NDF: 2019.1/84

\- sign 7.042+/-0.143 χ^2/NDF: 1046.1/42



Right In: -19.978+/-0.015 χ^2/NDF: 21890.2/17

Left Out: -20.123+/-0.008 χ^2/NDF:158578.7/23

Right Out: -18.623+/-0.015 χ^2/NDF: 235222.5/19

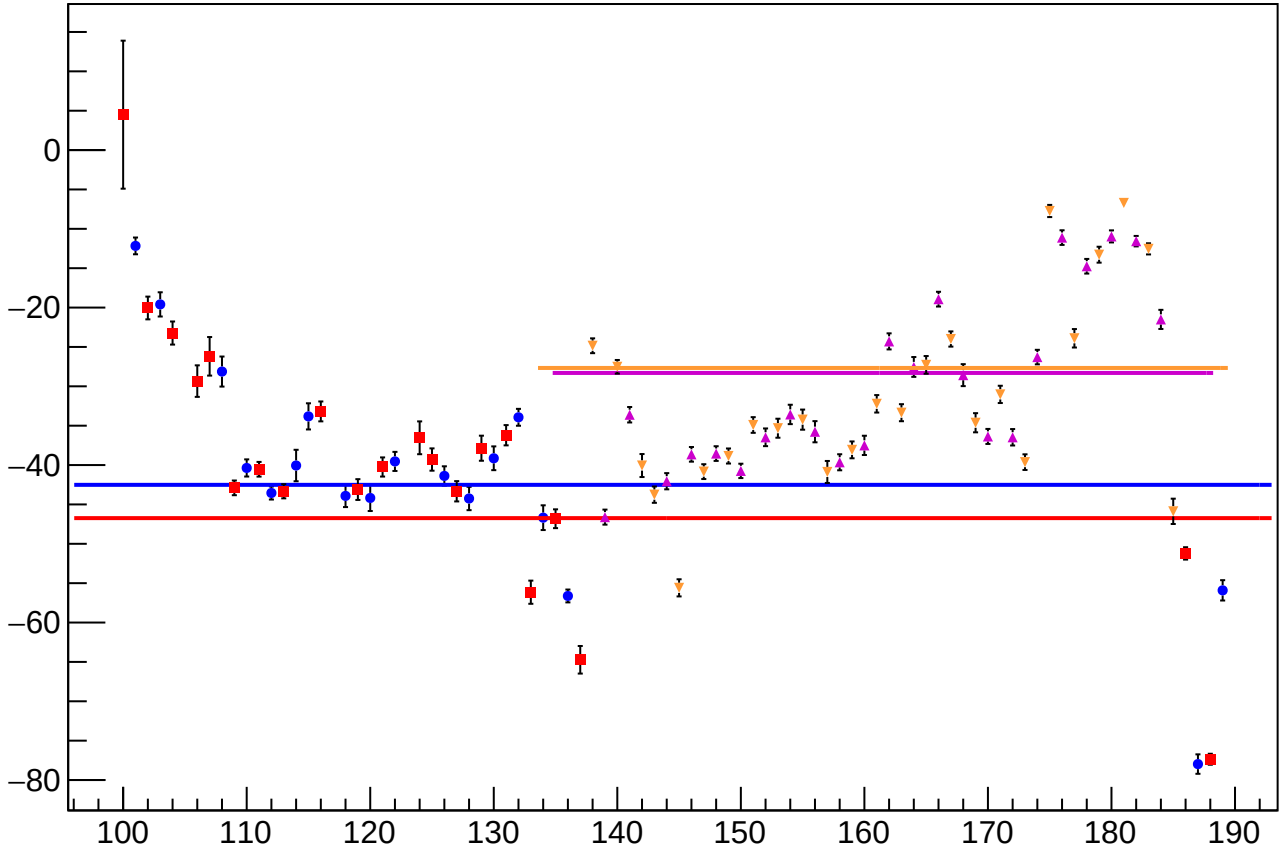
Left In: -20.063+/-0.008 χ^2/NDF:132690.0/22

+ sign -20.093+/-0.007 χ^2/NDF: 180539.2/41

All: -19.914+/-0.005 χ^2/NDF: 557155.7/84

- sign -19.740+/-0.007 χ^2/NDF: 375349.3/42

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -42.513+/-0.293 χ^2/NDF: 2444.0/17

Left Out: -27.668+/-0.200 χ^2/NDF:4396.9/24

Right Out: -46.739+/-0.265 χ^2/NDF: 3272.7/20

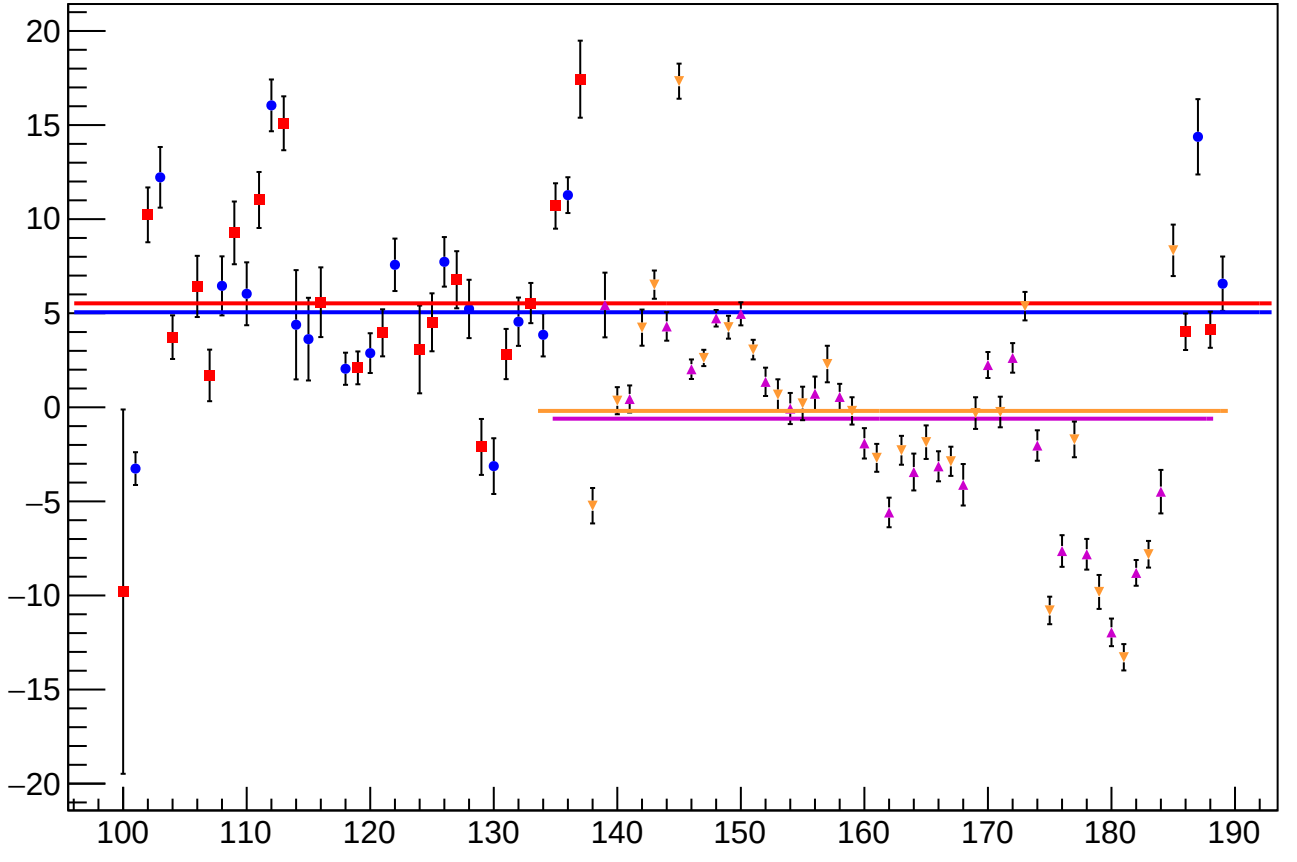
Left In: -28.303+/-0.206 χ^2/NDF:3273.4/22

+ sign -32.393+/-0.166 χ^2/NDF: 8586.3/42

All: -33.849+/-0.116 χ^2/NDF: 18310.5/86

- sign -35.252+/-0.162 χ^2/NDF: 9572.2/43

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 5.052+/-0.305 χ^2/NDF: 297.6/17

Left Out: -0.192+/-0.150 χ^2/NDF:1545.3/24

Right Out: 5.525+/-0.293 χ^2/NDF: 193.2/20

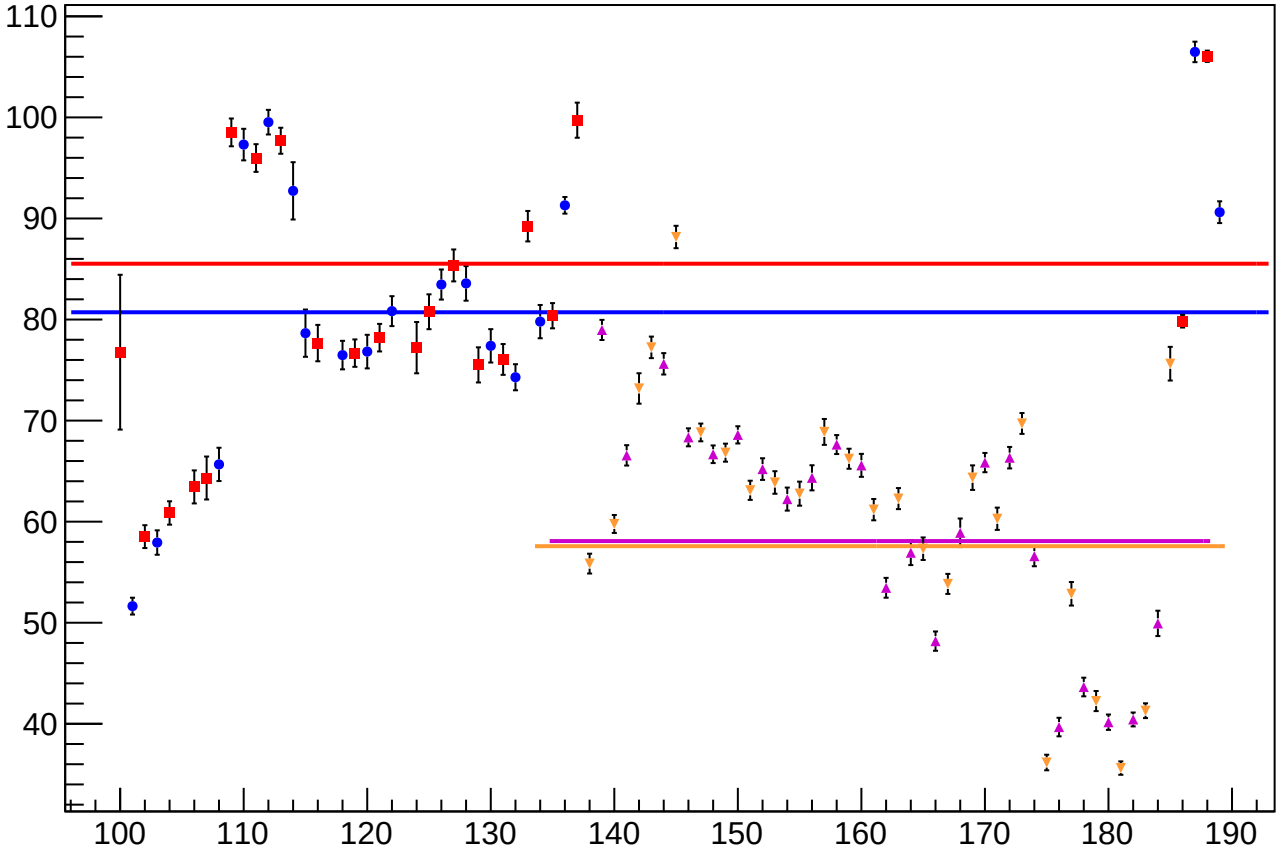
Left In: -0.605+/-0.155 χ^2/NDF:974.6/22

+ sign 0.830+/-0.135 χ^2/NDF: 2080.8/42

All: 0.786+/-0.096 χ^2/NDF: 3591.5/86

- sign 0.741+/-0.137 χ^2/NDF: 1510.5/43

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 80.719+/-0.306 χ^2/NDF: 2973.6/17

Left Out: 57.573+/-0.199 χ^2/NDF:4685.5/24

Right Out: 85.523+/-0.267 χ^2/NDF: 3247.3/20

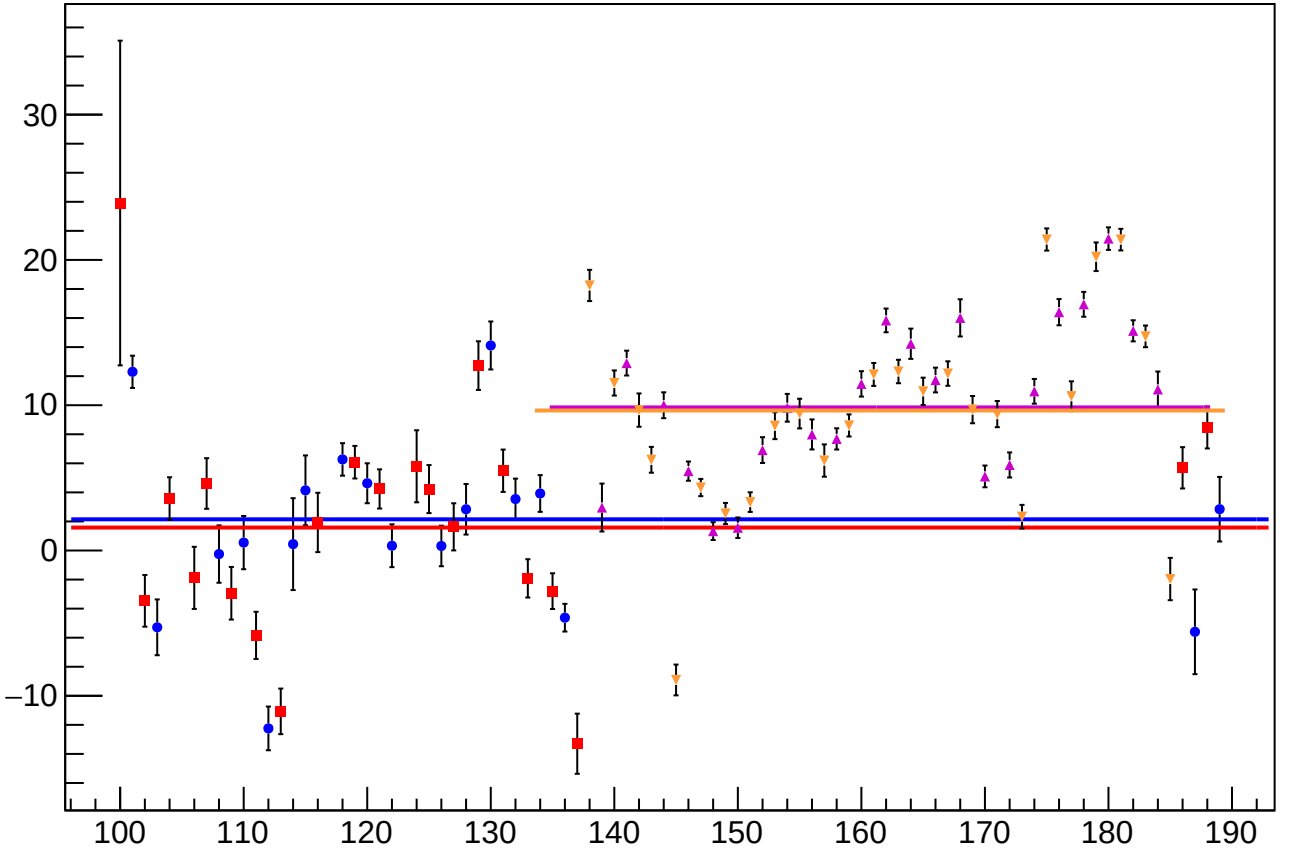
Left In: 58.080+/-0.203 χ^2/NDF:3558.6/22

+ sign 64.436+/-0.167 χ^2/NDF: 11671.3/42

All: 66.350+/-0.116 χ^2/NDF: 25409.1/86

- sign 68.151+/-0.162 χ^2/NDF: 13482.5/43

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 2.147+/-0.356 χ^2/NDF: 326.8/17

Left Out: 9.636+/-0.171 χ^2/NDF:1491.5/24

Right Out: 1.580+/-0.349 χ^2/NDF: 291.3/20

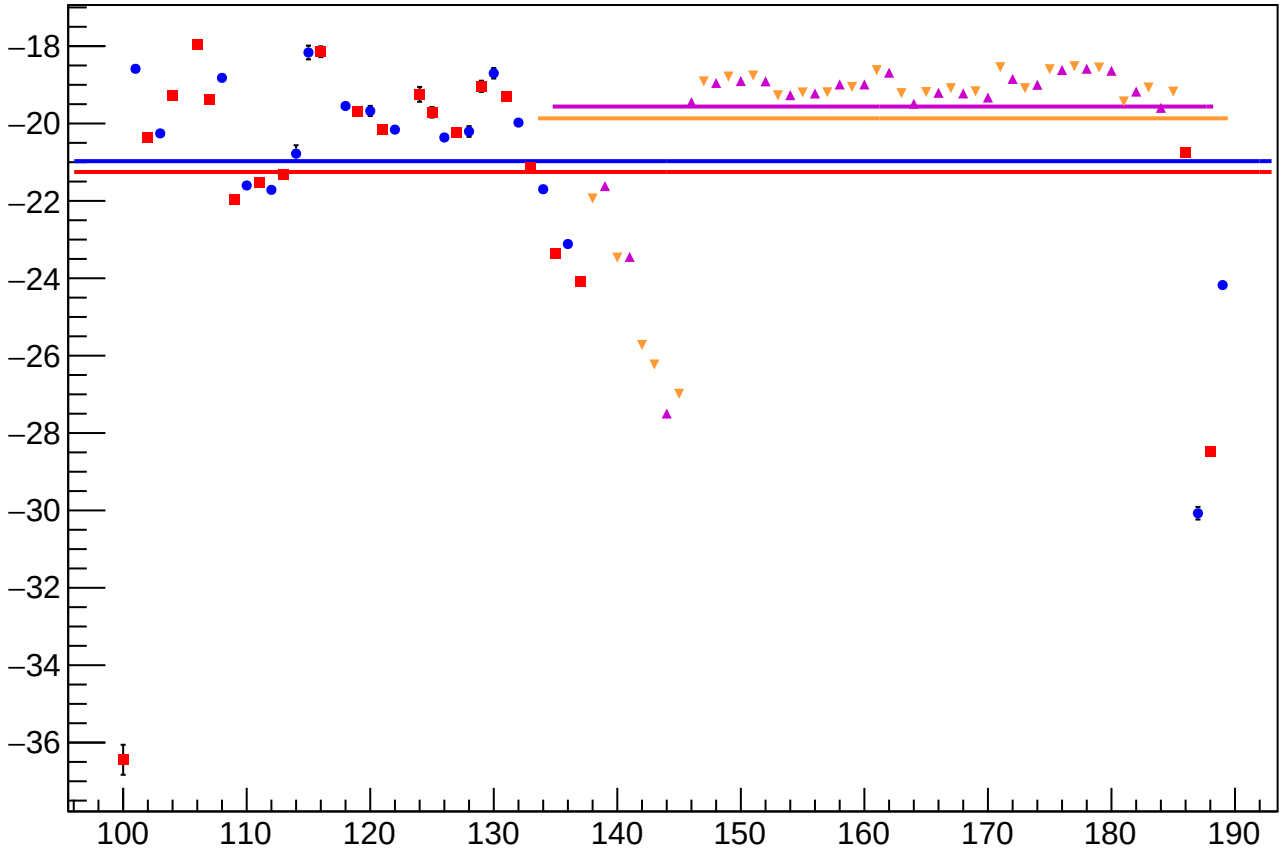
Left In: 9.849+/-0.176 χ^2/NDF:993.0/22

+ sign 8.224+/-0.154 χ^2/NDF: 2178.3/42

All: 8.197+/-0.110 χ^2/NDF: 3909.4/86

- sign 8.170+/-0.157 χ^2/NDF: 1731.1/43

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.973+/-0.019 χ^2/NDF: 11841.5/17

Left Out: -19.866+/-0.008 χ^2/NDF:78894.3/24

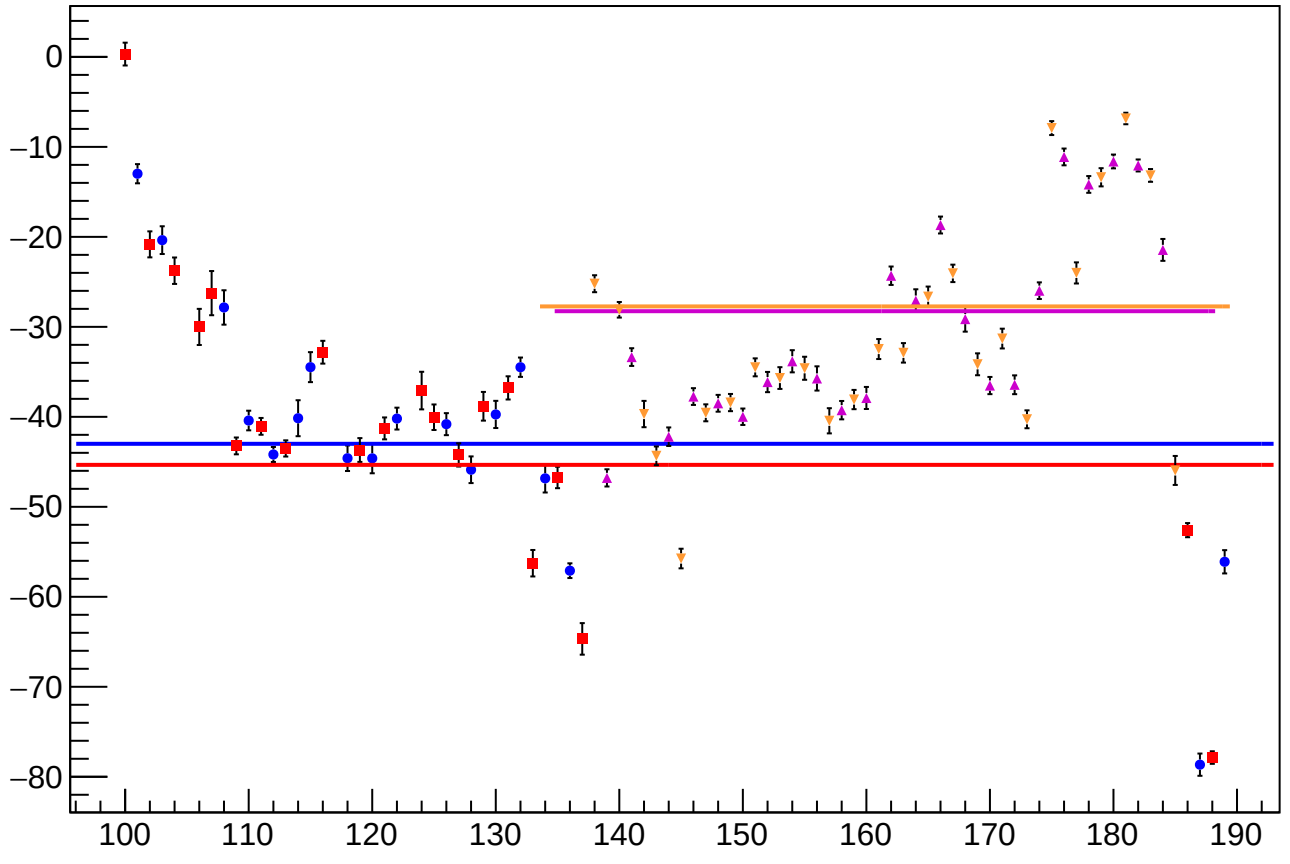
Right Out: -21.253+/-0.019 χ^2/NDF: 18743.9/20

Left In: -19.562+/-0.008 χ^2/NDF:45172.6/22

+ sign -20.028+/-0.007 χ^2/NDF: 93641.6/42

All: -19.920+/-0.005 χ^2/NDF: 164636.5/86

- sign -19.810+/-0.007 χ^2/NDF: 70547.1/43



Right In: -42.998+/-0.294 χ^2/NDF: 2427.8/17

Left Out: -27.729+/-0.201 χ^2/NDF:4299.7/24

Right Out: -45.337+/-0.259 χ^2/NDF: 4592.8/20

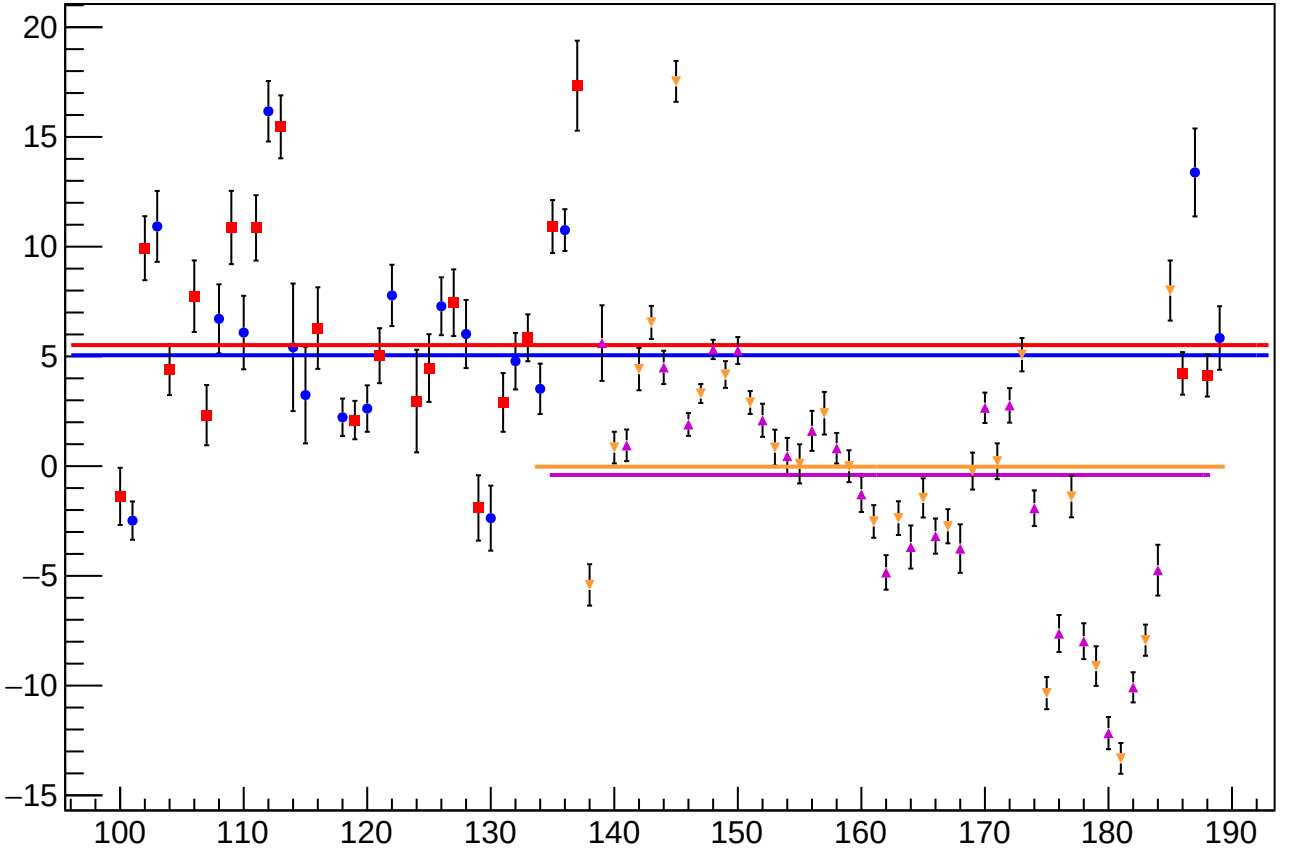
Left In: -28.260+/-0.206 χ^2/NDF:3172.7/22

+ sign -32.589+/-0.166 χ^2/NDF: 8568.6/42

All: -33.760+/-0.116 χ^2/NDF: 19086.8/86

- sign -34.870+/-0.161 χ^2/NDF: 10421.0/43

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 5.054+/-0.305 χ^2/NDF: 258.7/17

Left Out: -0.026+/-0.150 χ^2/NDF:1531.8/24

Right Out: 5.516+/-0.286 χ^2/NDF: 221.1/20

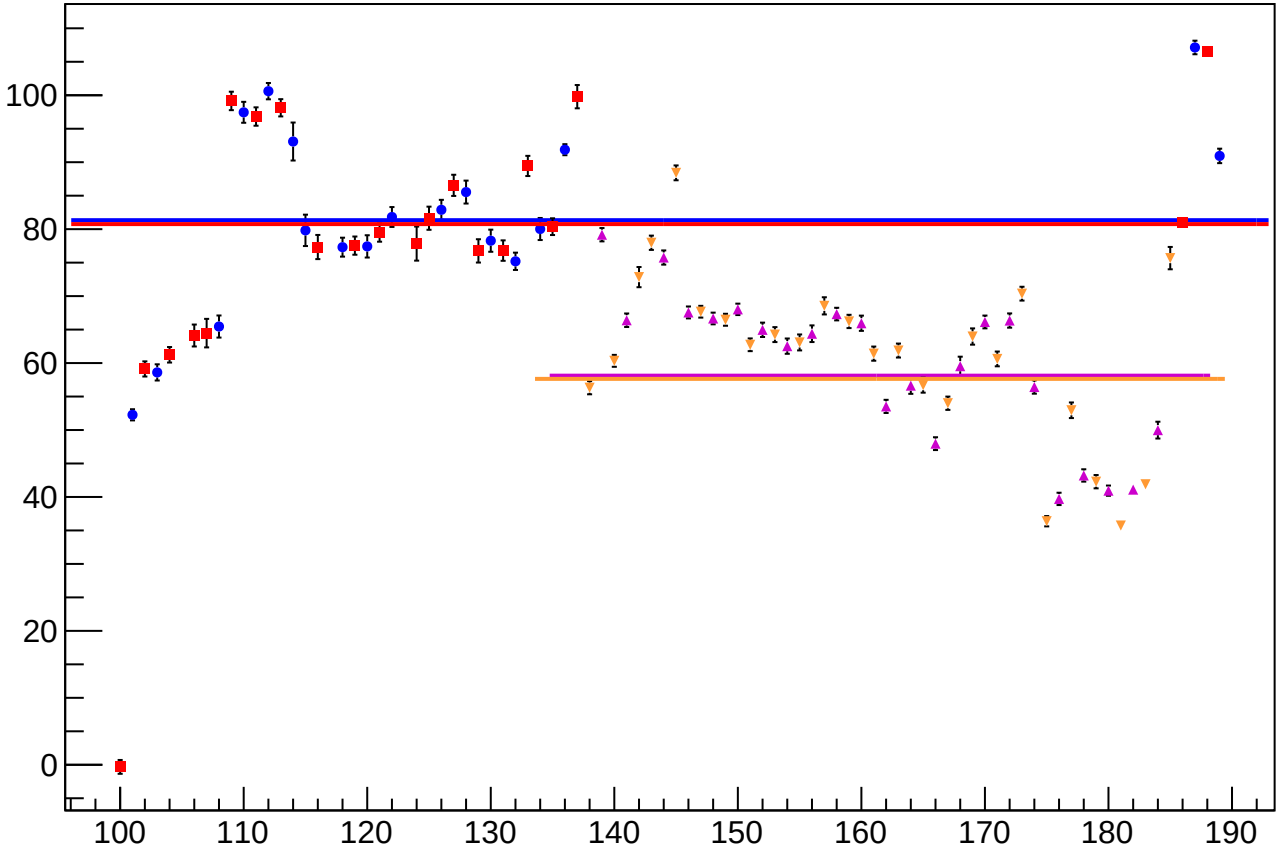
Left In: -0.404+/-0.155 χ^2/NDF:1084.1/22

+ sign 0.964+/-0.135 χ^2/NDF: 2013.0/42

All: 0.955+/-0.096 χ^2/NDF: 3649.0/86

- sign 0.946+/-0.137 χ^2/NDF: 1635.9/43

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 81.341+/-0.307 χ^2/NDF: 2969.3/17

Left Out: 57.638+/-0.199 χ^2/NDF:4612.7/24

Right Out: 80.755+/-0.259 χ^2/NDF: 9774.3/20

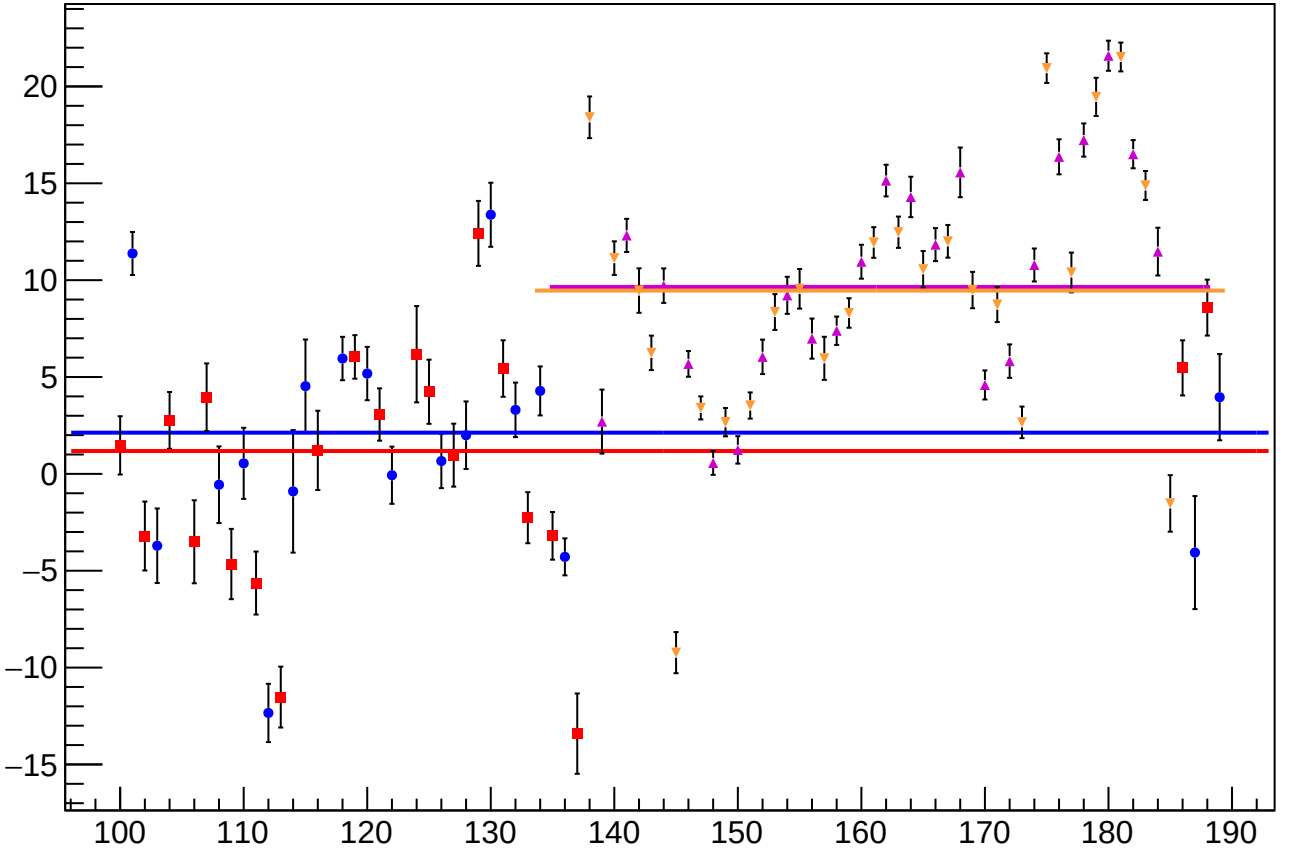
Left In: 58.117+/-0.204 χ^2/NDF:3443.9/22

\+ sign 64.665+/-0.167 χ^2/NDF: 11777.0/42

All: 65.761+/-0.116 χ^2/NDF: 29790.7/86

\- sign 66.768+/-0.160 χ^2/NDF: 17931.2/43

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 2.128+/-0.356 χ^2/NDF: 295.5/17

Left Out: 9.461+/-0.172 χ^2/NDF:1483.1/24

Right Out: 1.180+/-0.341 χ^2/NDF: 293.7/20

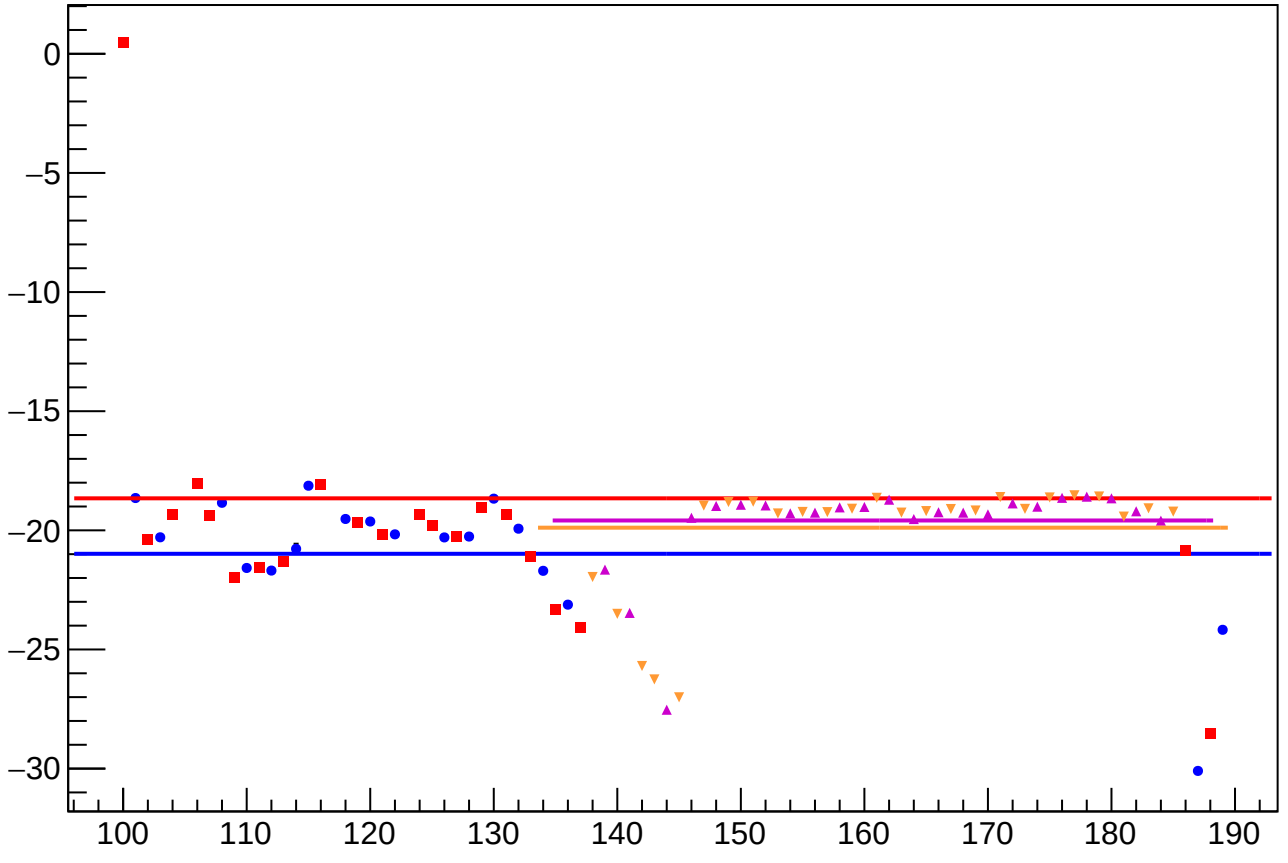
Left In: 9.650+/-0.177 χ^2/NDF:1078.5/22

+ sign 8.079+/-0.155 χ^2/NDF: 2122.7/42

All: 7.970+/-0.110 χ^2/NDF: 3982.7/86

- sign 7.857+/-0.157 χ^2/NDF: 1859.1/43

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.985+/-0.019 χ^2/NDF: 11713.1/17

Left Out: -19.889+/-0.008 χ^2/NDF:78512.6/24

Right Out: -18.657+/-0.018 χ^2/NDF: 168554.8/20

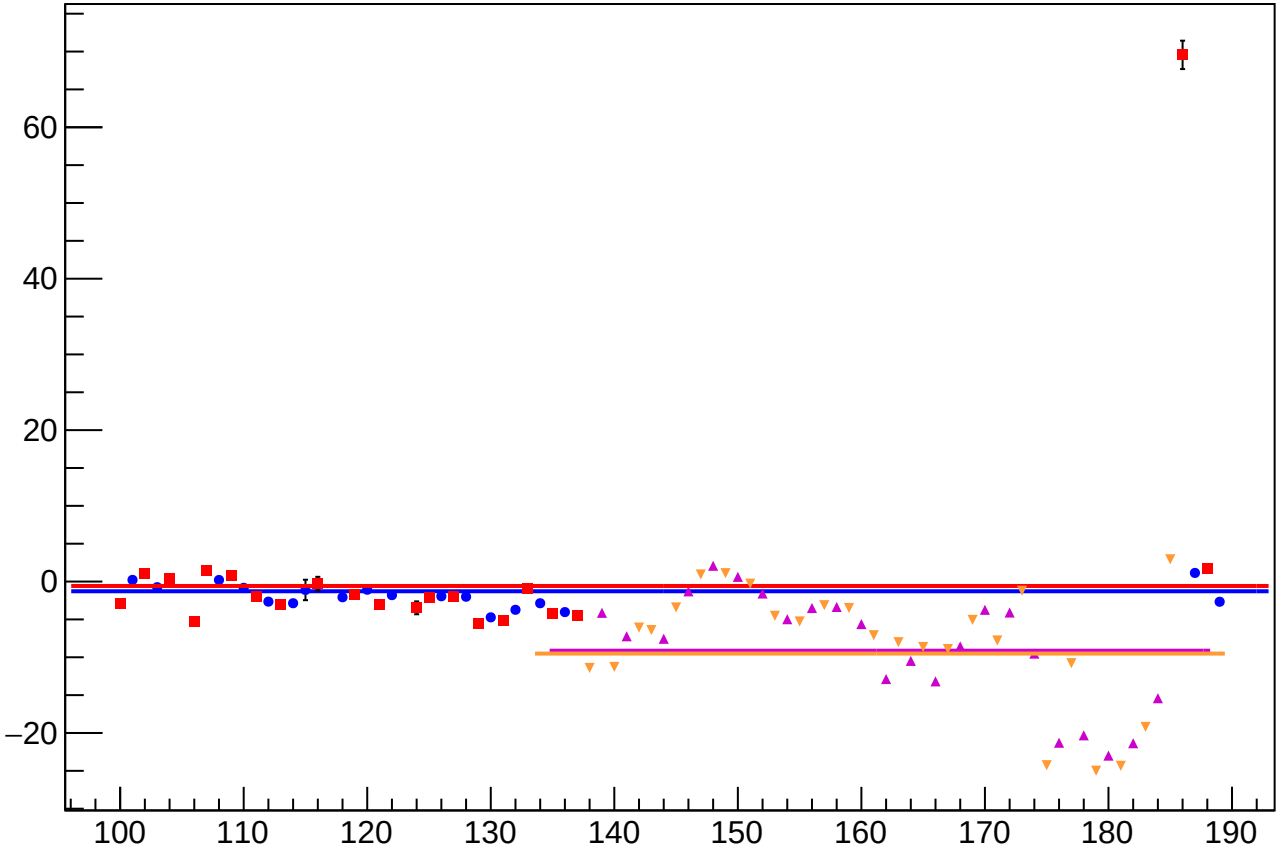
Left In: -19.586+/-0.008 χ^2/NDF:45085.3/22

+ sign -20.049+/-0.007 χ^2/NDF: 93067.2/42

All: -19.743+/-0.005 χ^2/NDF: 312489.8/86

- sign -19.435+/-0.007 χ^2/NDF: 215858.7/43

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -1.282+/-0.054 χ^2/NDF: 646.1/17

Left Out: -9.512+/-0.073 χ^2/NDF:12916.4/24

Right Out: -0.582+/-0.049 χ^2/NDF: 2976.5/20

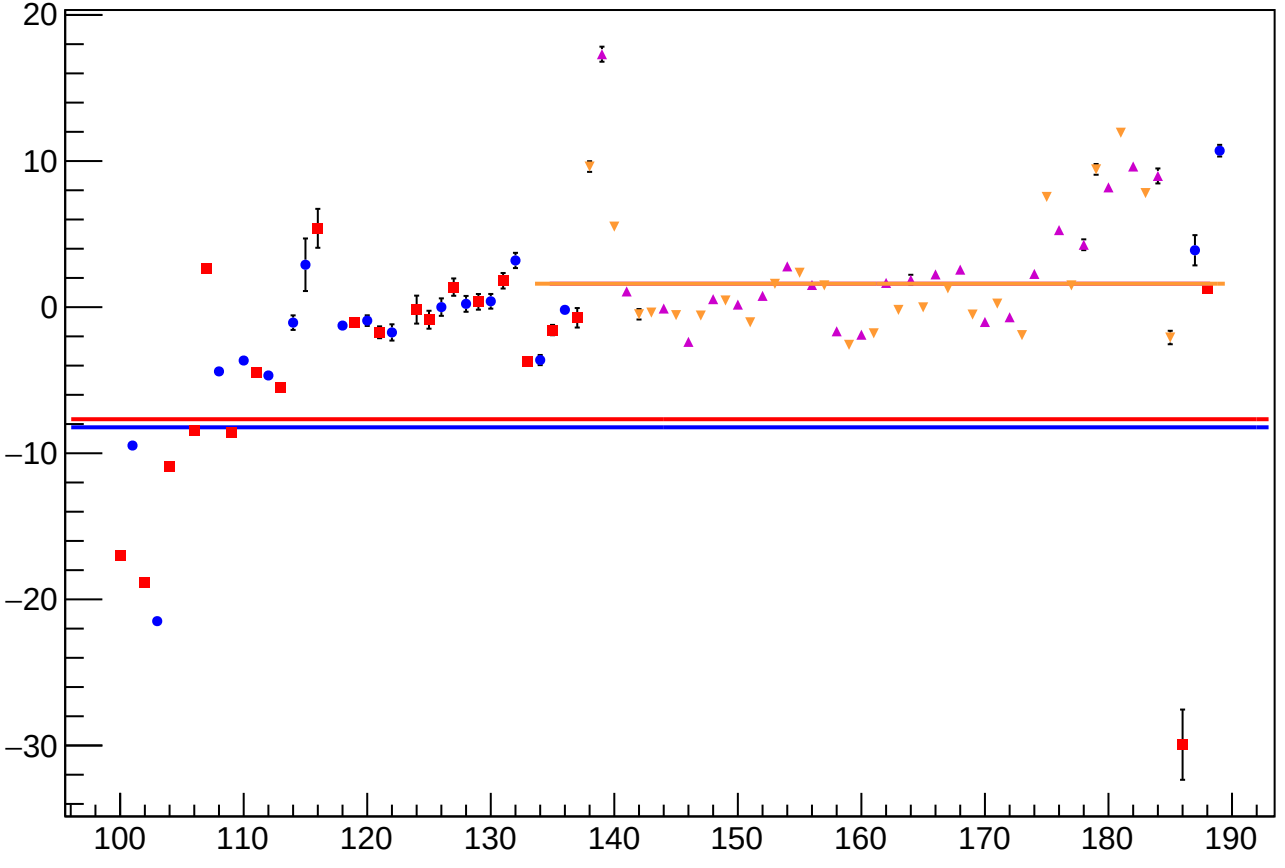
Left In: -9.131+/-0.075 χ^2/NDF:10390.6/22

+ sign -4.192+/-0.043 χ^2/NDF: 21860.5/42

All: -3.647+/-0.030 χ^2/NDF: 44669.9/86

- sign -3.155+/-0.041 χ^2/NDF: 22505.9/43

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -8.223+/-0.056 χ^2/NDF: 16269.0/17

Left Out: 1.606+/-0.055 χ^2/NDF:4677.2/24

Right Out: -7.669+/-0.056 χ^2/NDF: 15662.2/20

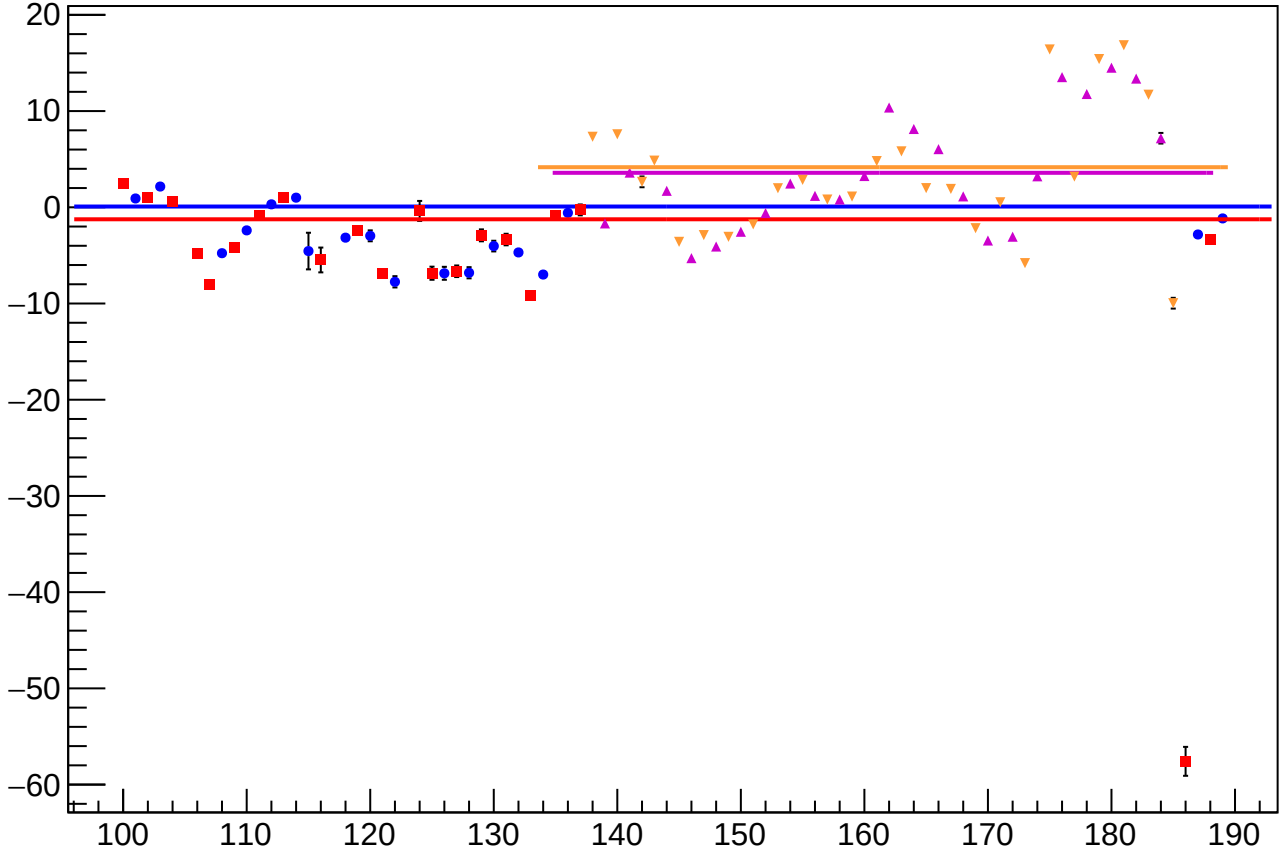
Left In: 1.605+/-0.058 χ^2/NDF:3656.4/22

+ sign -3.211+/-0.039 χ^2/NDF: 36497.4/42

All: -3.181+/-0.028 χ^2/NDF: 69074.5/86

- sign -3.150+/-0.040 χ^2/NDF: 32575.9/43

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 0.080+/-0.052 χ^2/NDF: 2006.9/17

Left Out: 4.167+/-0.072 χ^2/NDF:9246.5/24

Right Out: -1.247+/-0.050 χ^2/NDF: 4639.7/20

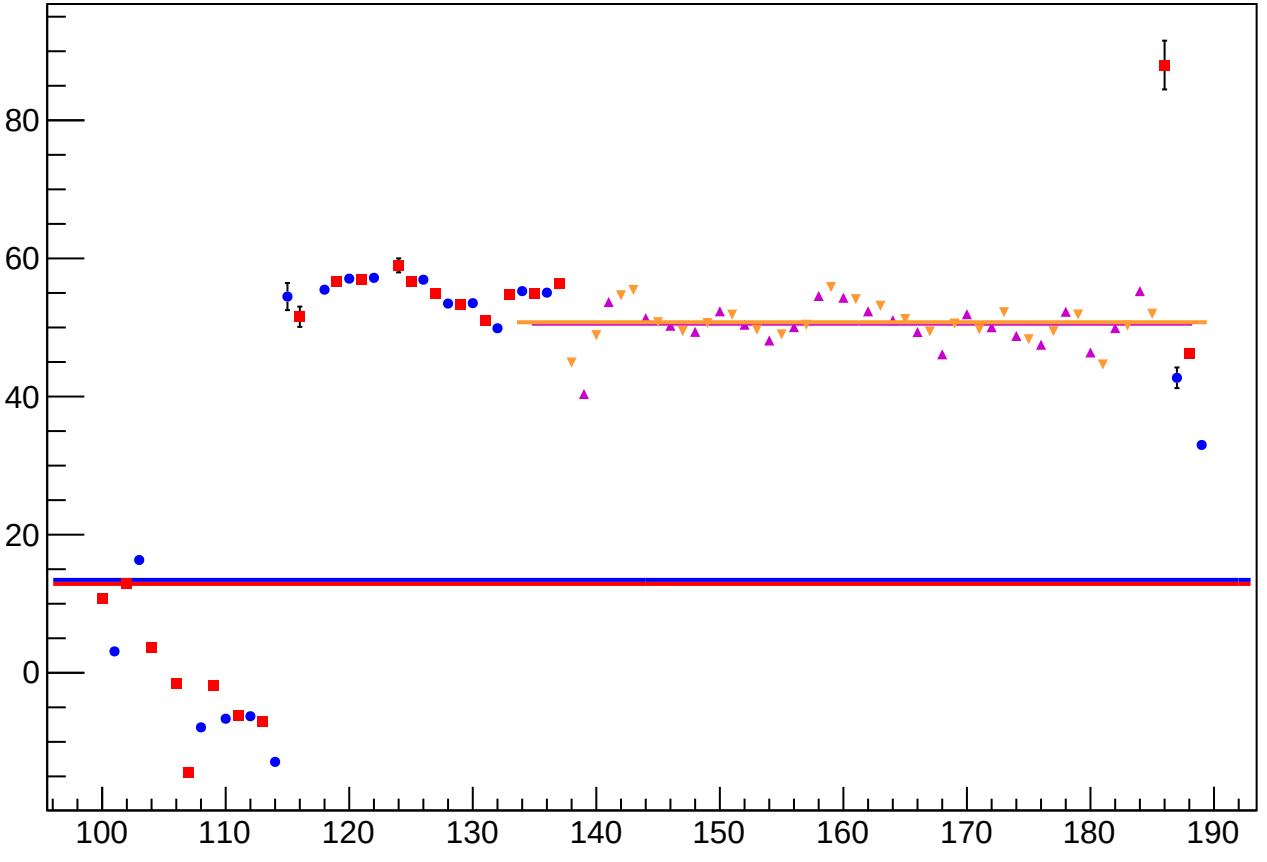
Left In: 3.584+/-0.074 χ^2/NDF:7228.4/22

+ sign 1.479+/-0.042 χ^2/NDF: 13366.5/42

All: 0.871+/-0.030 χ^2/NDF: 28562.5/86

- sign 0.280+/-0.042 χ^2/NDF: 14786.4/43

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 13.455+/-0.067 χ^2/NDF: 110071.2/17

Left Out: 50.761+/-0.062 χ^2/NDF:1748.6/24

Right Out: 12.870+/-0.067 χ^2/NDF: 126241.1/20

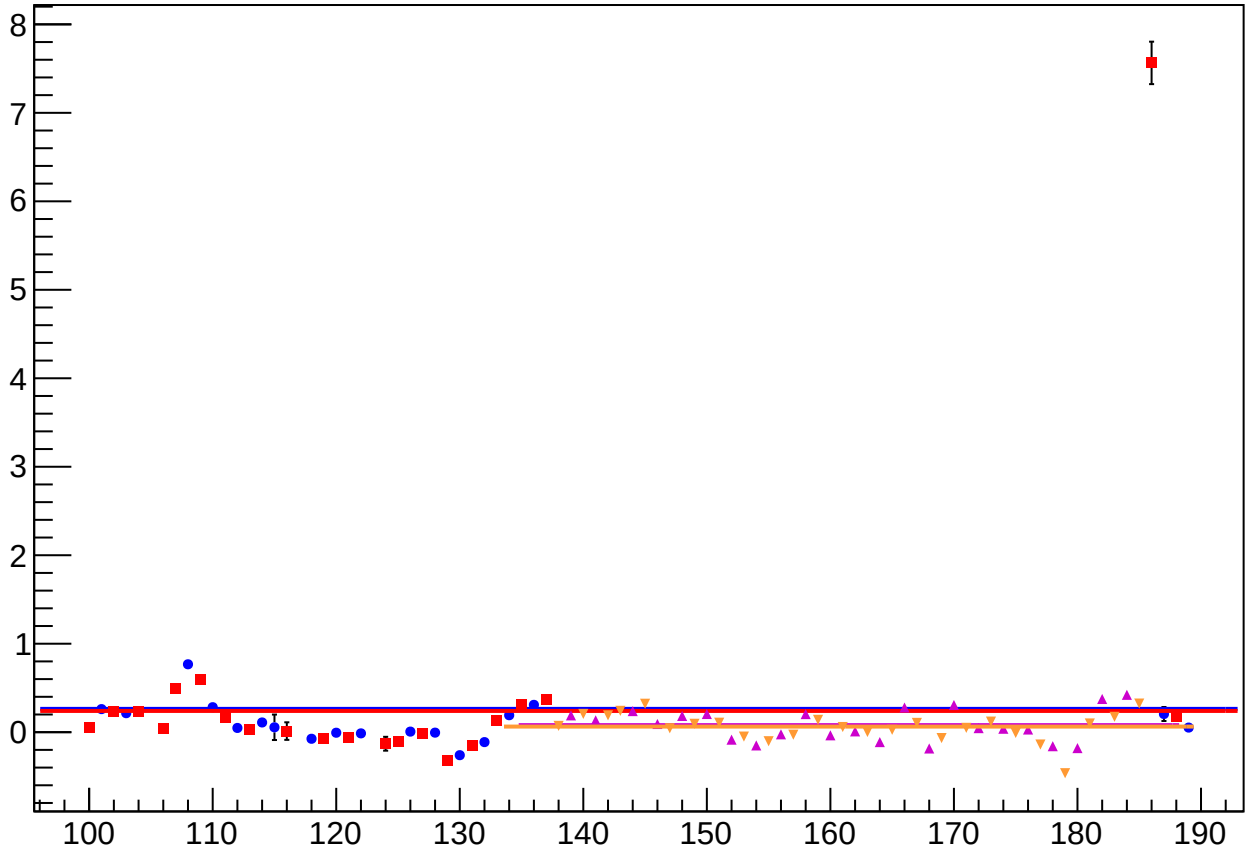
Left In: 50.550+/-0.065 χ^2/NDF:1717.7/22

+ sign 33.540+/-0.046 χ^2/NDF: 276616.8/42

All: 32.928+/-0.033 χ^2/NDF: 568887.3/86

- sign 32.297+/-0.047 χ^2/NDF: 291908.3/43

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.263+/-0.003 χ^2/NDF: 3834.4/17

Left Out: 0.063+/-0.003 χ^2/NDF:2566.7/24

Right Out: 0.240+/-0.003 χ^2/NDF: 3284.8/20

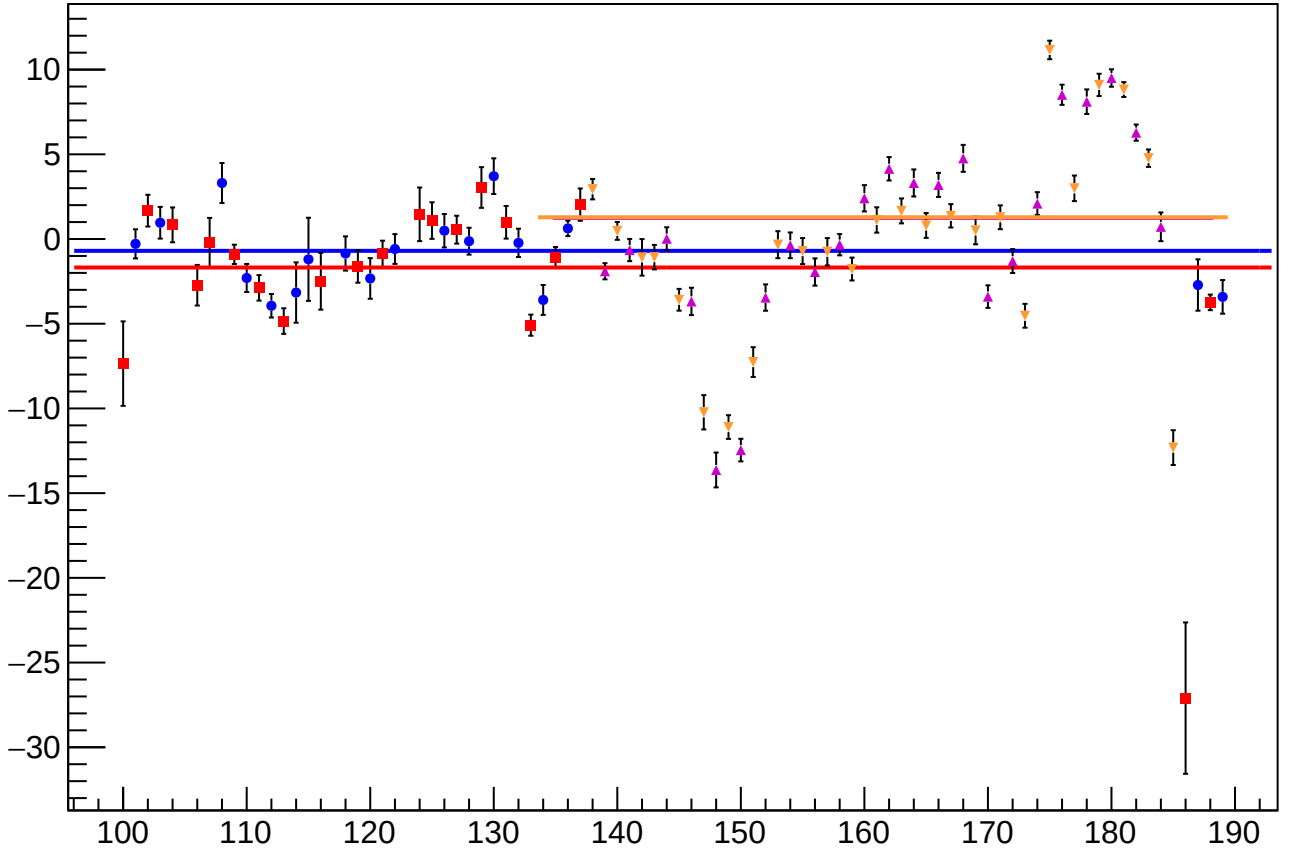
Left In: 0.080+/-0.003 χ^2/NDF:3446.5/22

+ sign 0.164+/-0.002 χ^2/NDF: 8995.8/42

All: 0.164+/-0.001 χ^2/NDF: 17408.9/86

- sign 0.163+/-0.002 χ^2/NDF: 8413.0/43

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -0.698+/-0.210 χ^2/NDF: 92.6/17

Left Out: 1.283+/-0.137 χ^2/NDF:1715.5/24

Right Out: -1.682+/-0.187 χ^2/NDF: 188.4/20

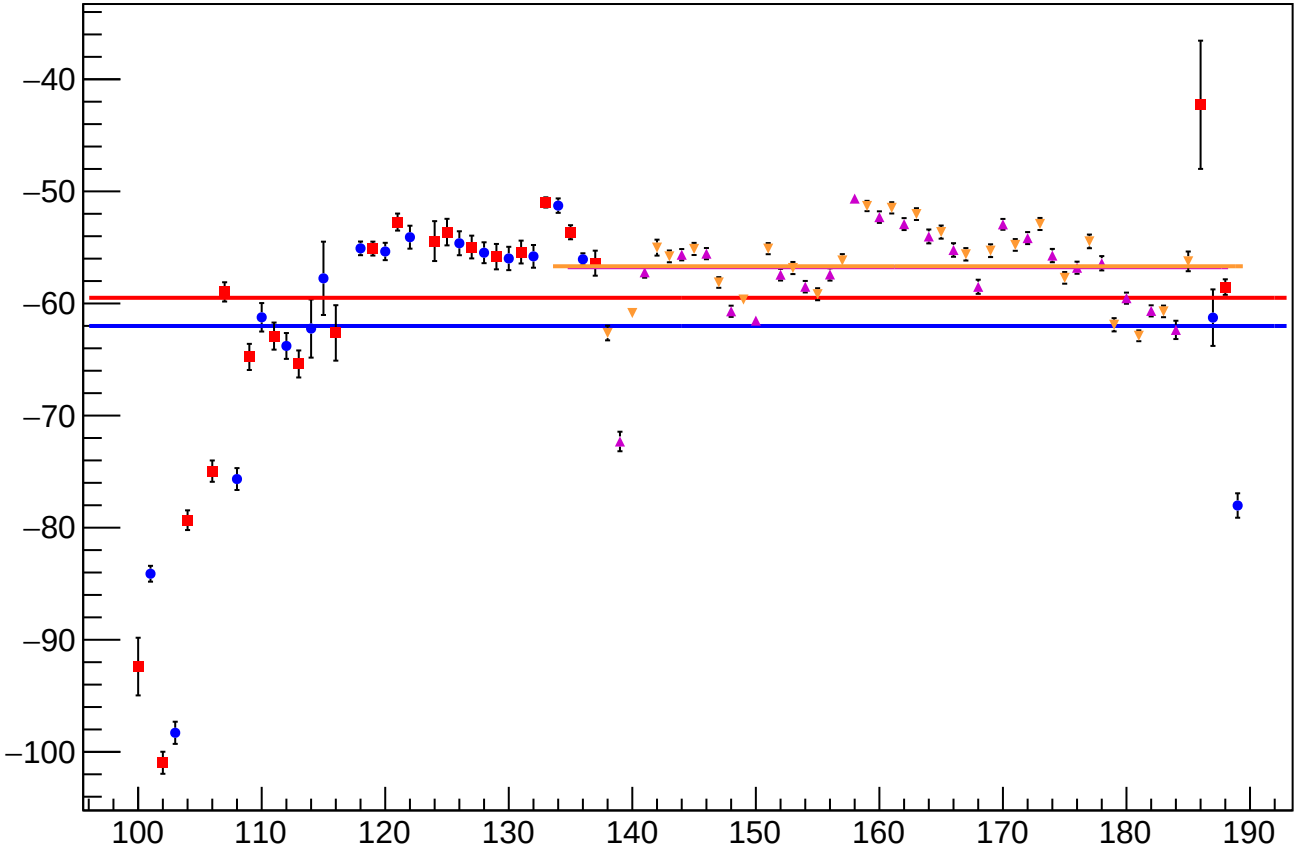
Left In: 1.247+/-0.140 χ^2/NDF:1512.4/22

+ sign 0.692+/-0.115 χ^2/NDF: 1870.6/42

All: 0.435+/-0.080 χ^2/NDF: 3738.3/86

- sign 0.189+/-0.112 χ^2/NDF: 1857.9/43

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -62.008+/-0.214 χ^2/NDF: 3575.8/17

Left Out: -56.680+/-0.107 χ^2/NDF:1014.5/24

Right Out: -59.494+/-0.198 χ^2/NDF: 3432.5/20

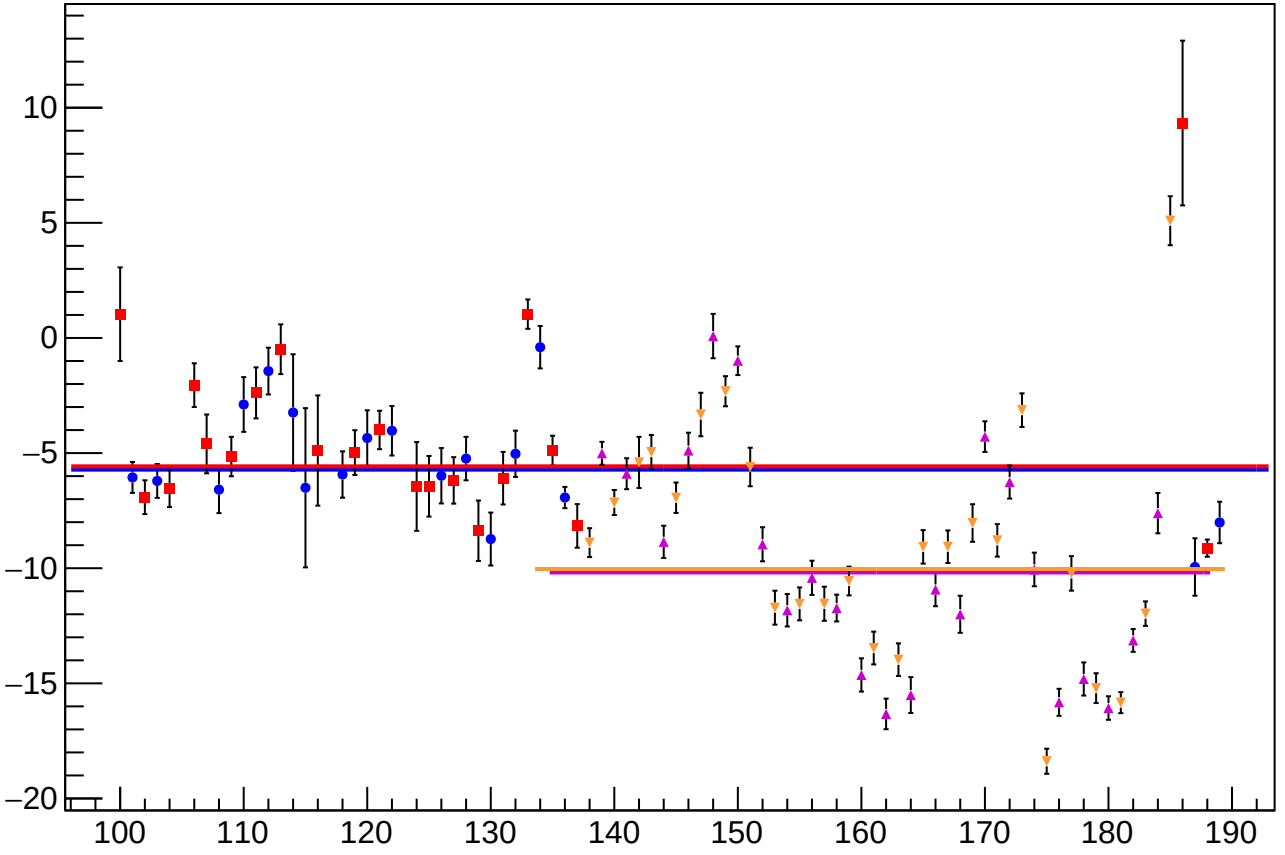
Left In: -56.765+/-0.112 χ^2/NDF:1108.9/22

+ sign -57.750+/-0.096 χ^2/NDF: 5085.8/42

All: -57.591+/-0.068 χ^2/NDF: 9776.8/86

- sign -57.427+/-0.097 χ^2/NDF: 4685.4/43

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -5.719+/-0.219 χ^2/NDF: 95.6/17

Left Out: -10.034+/-0.136 χ^2/NDF:1182.4/24

Right Out: -5.575+/-0.191 χ^2/NDF: 293.8/20

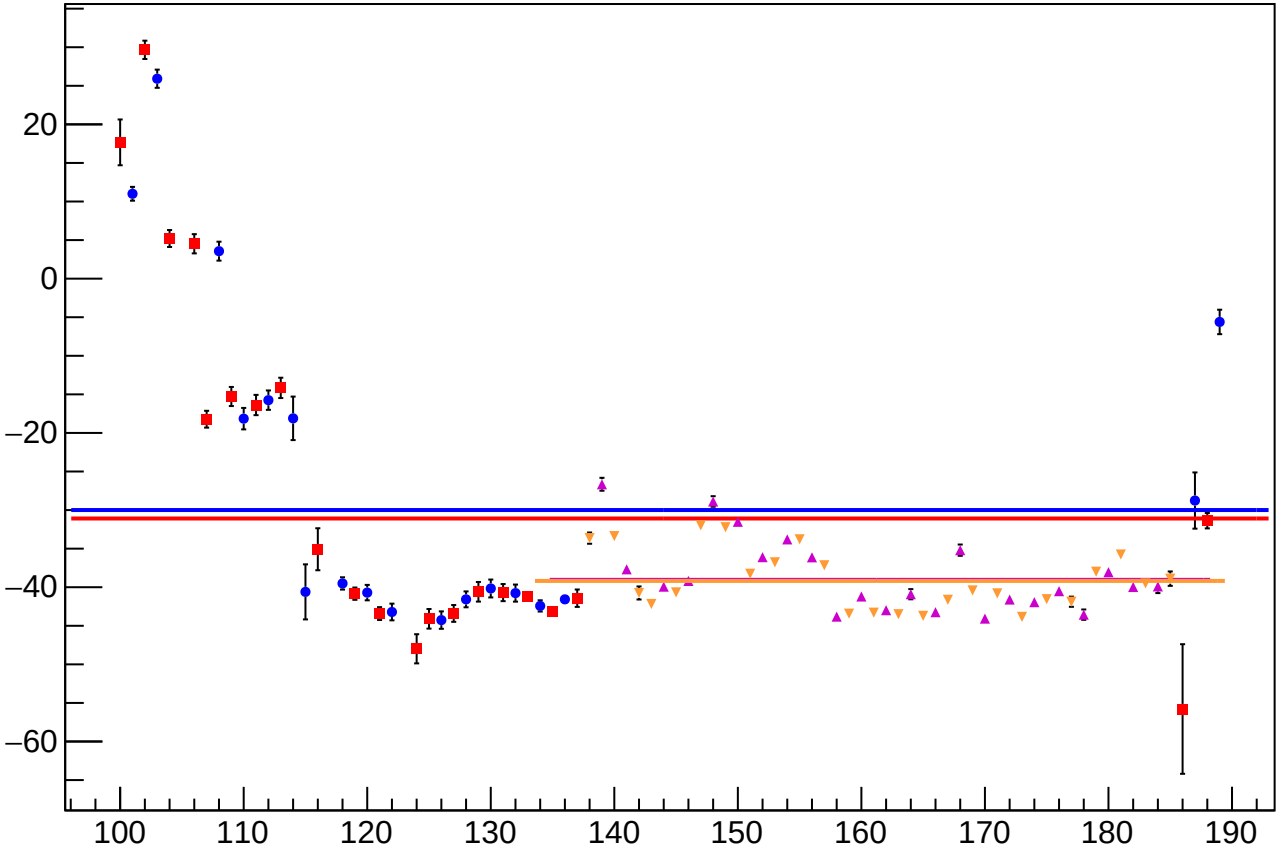
Left In: -10.184+/-0.139 χ^2/NDF:1142.6/22

+ sign -8.832+/-0.116 χ^2/NDF: 1557.3/42

All: -8.705+/-0.081 χ^2/NDF: 3377.0/86

- sign -8.585+/-0.112 χ^2/NDF: 1817.3/43

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -29.996+/-0.246 χ^2/NDF: 7180.7/17

Left Out: -39.183+/-0.120 χ^2/NDF:1034.1/24

Right Out: -31.092+/-0.231 χ^2/NDF: 6985.2/20

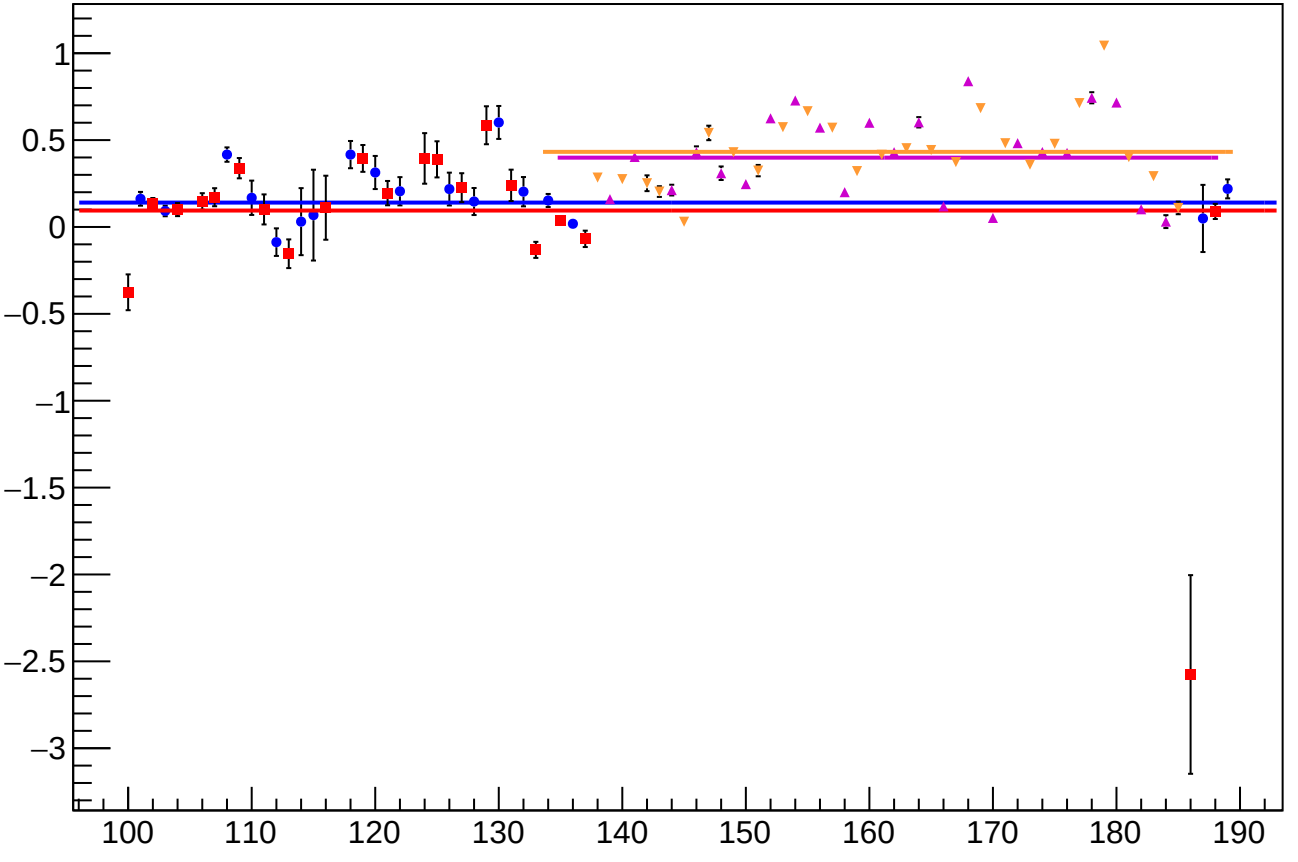
Left In: -39.044+/-0.124 χ^2/NDF:1226.4/22

+ sign -37.415+/-0.108 χ^2/NDF: 9342.9/42

All: -37.340+/-0.077 χ^2/NDF: 18473.4/86

- sign -37.262+/-0.109 χ^2/NDF: 9129.5/43

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.140+/-0.012 χ^2/NDF: 131.7/17

Left Out: 0.432+/-0.005 χ^2/NDF:1368.7/24

Right Out: 0.095+/-0.012 χ^2/NDF: 169.6/20

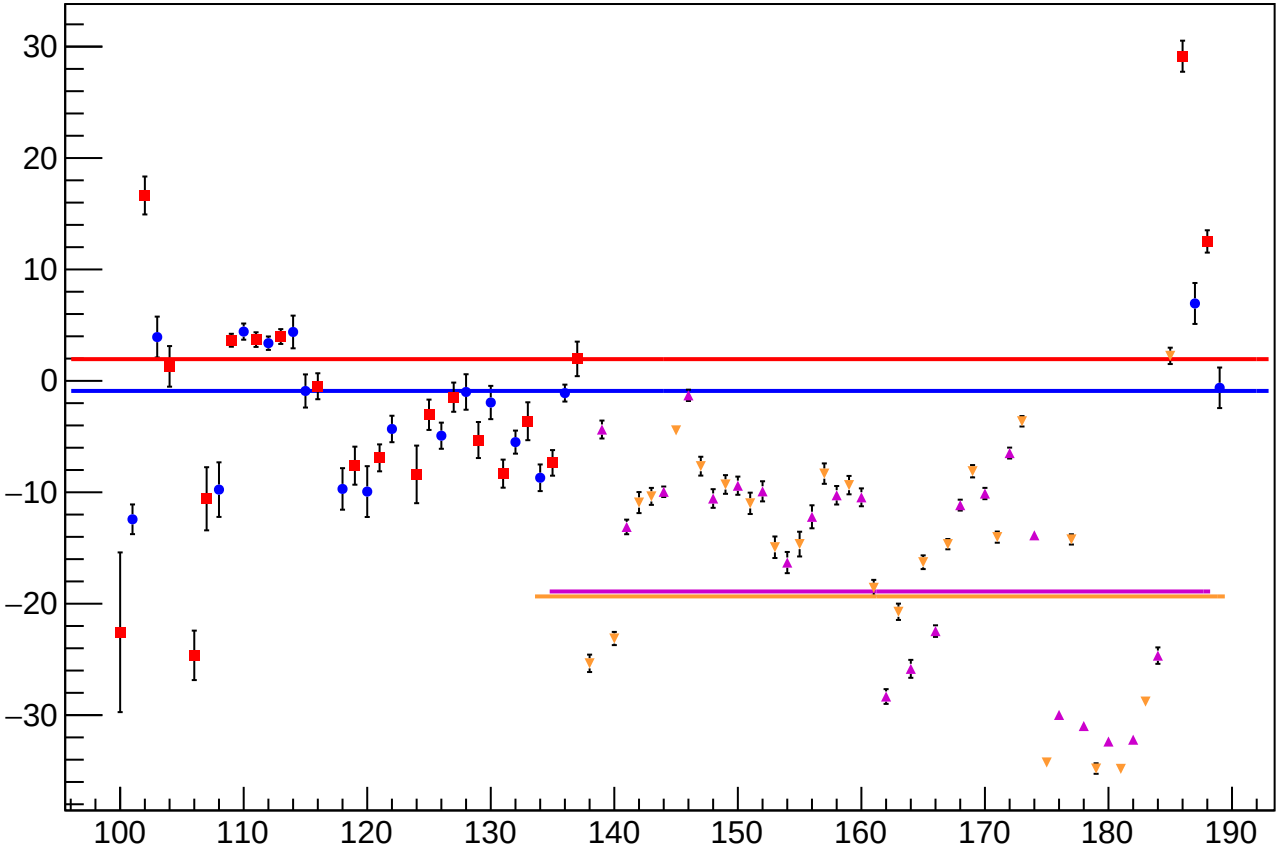
Left In: 0.399+/-0.005 χ^2/NDF:1923.8/22

+ sign 0.386+/-0.005 χ^2/NDF: 1984.4/42

All: 0.367+/-0.003 χ^2/NDF: 4654.7/86

- sign 0.348+/-0.005 χ^2/NDF: 2639.9/43

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -0.903+/-0.274 χ^2/NDF: 350.7/17

Left Out: -19.347+/-0.113 χ^2/NDF:10394.7/24

Right Out: 1.950+/-0.253 χ^2/NDF: 1053.8/20

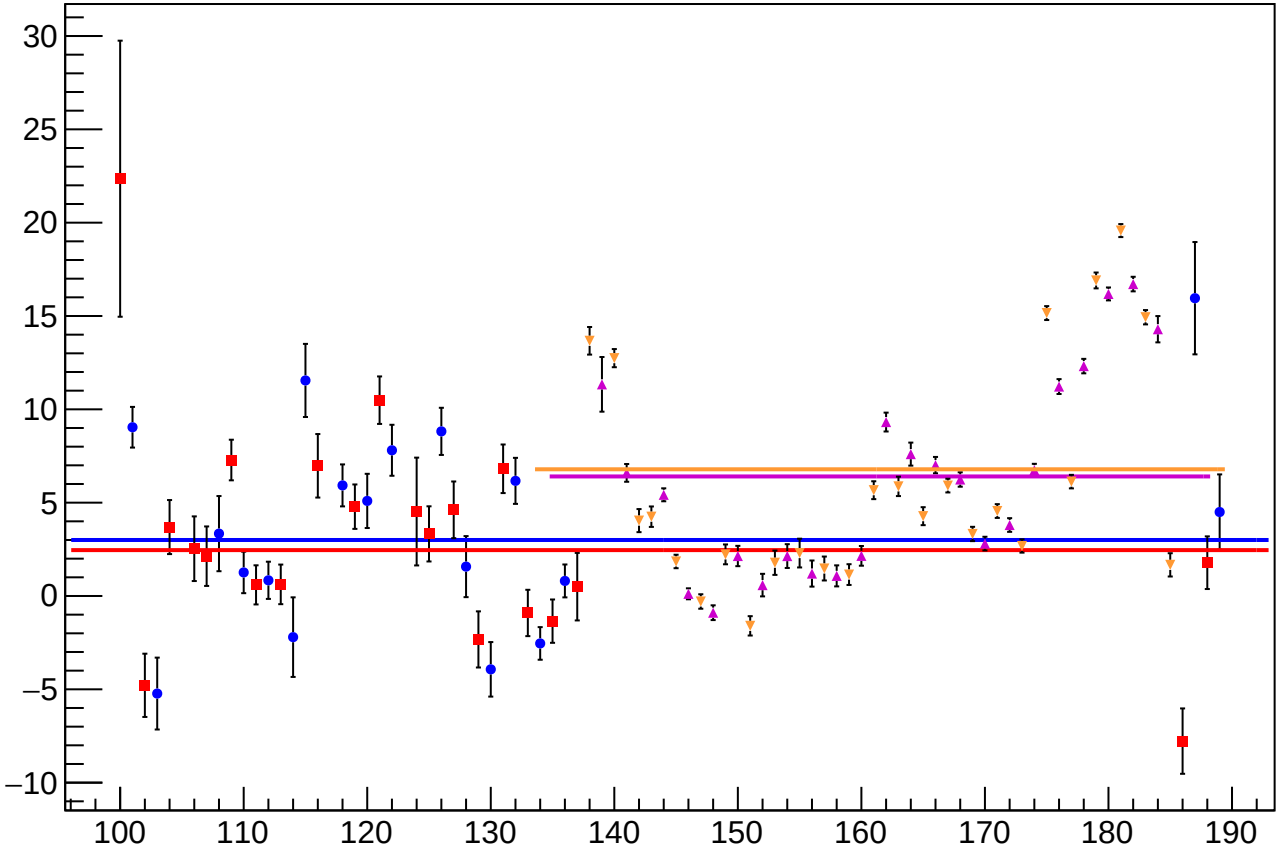
Left In: -18.902+/-0.116 χ^2/NDF:8286.2/22

+ sign -16.655+/-0.105 χ^2/NDF: 14609.8/42

All: -15.969+/-0.074 χ^2/NDF: 29646.4/86

- sign -15.273+/-0.106 χ^2/NDF: 14950.3/43

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 3.000+/-0.308 χ^2/NDF: 219.0/17

Left Out: 6.788+/-0.090 χ^2/NDF:4632.5/24

Right Out: 2.458+/-0.309 χ^2/NDF: 180.7/20

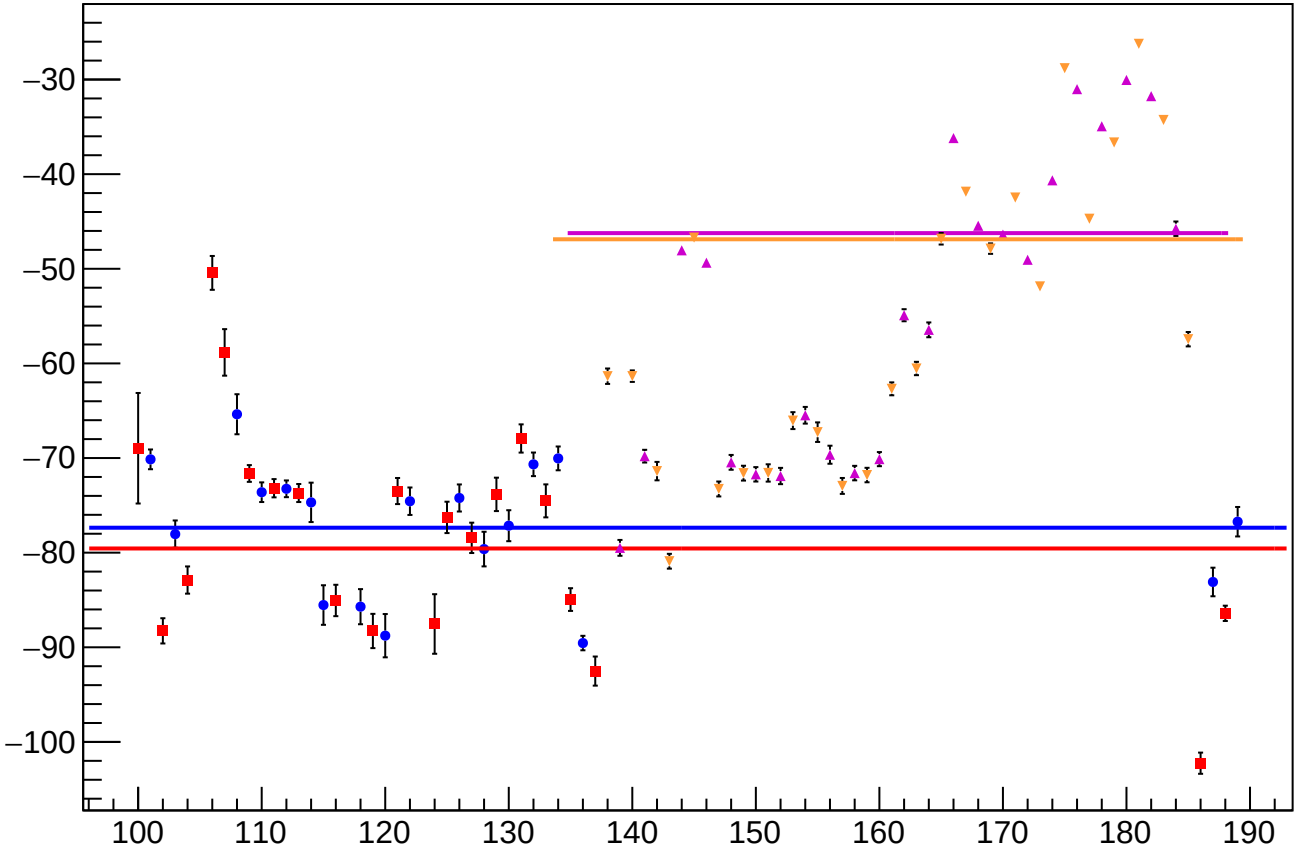
Left In: 6.404+/-0.091 χ^2/NDF:3410.4/22

+ sign 6.489+/-0.086 χ^2/NDF: 4990.8/42

All: 6.291+/-0.062 χ^2/NDF: 8742.4/86

- sign 6.088+/-0.087 χ^2/NDF: 3741.0/43

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -77.363+/-0.312 χ^2/NDF: 518.4/17

Left Out: -46.883+/-0.114 χ^2/NDF:17974.5/24

Right Out: -79.558+/-0.294 χ^2/NDF: 1266.3/20

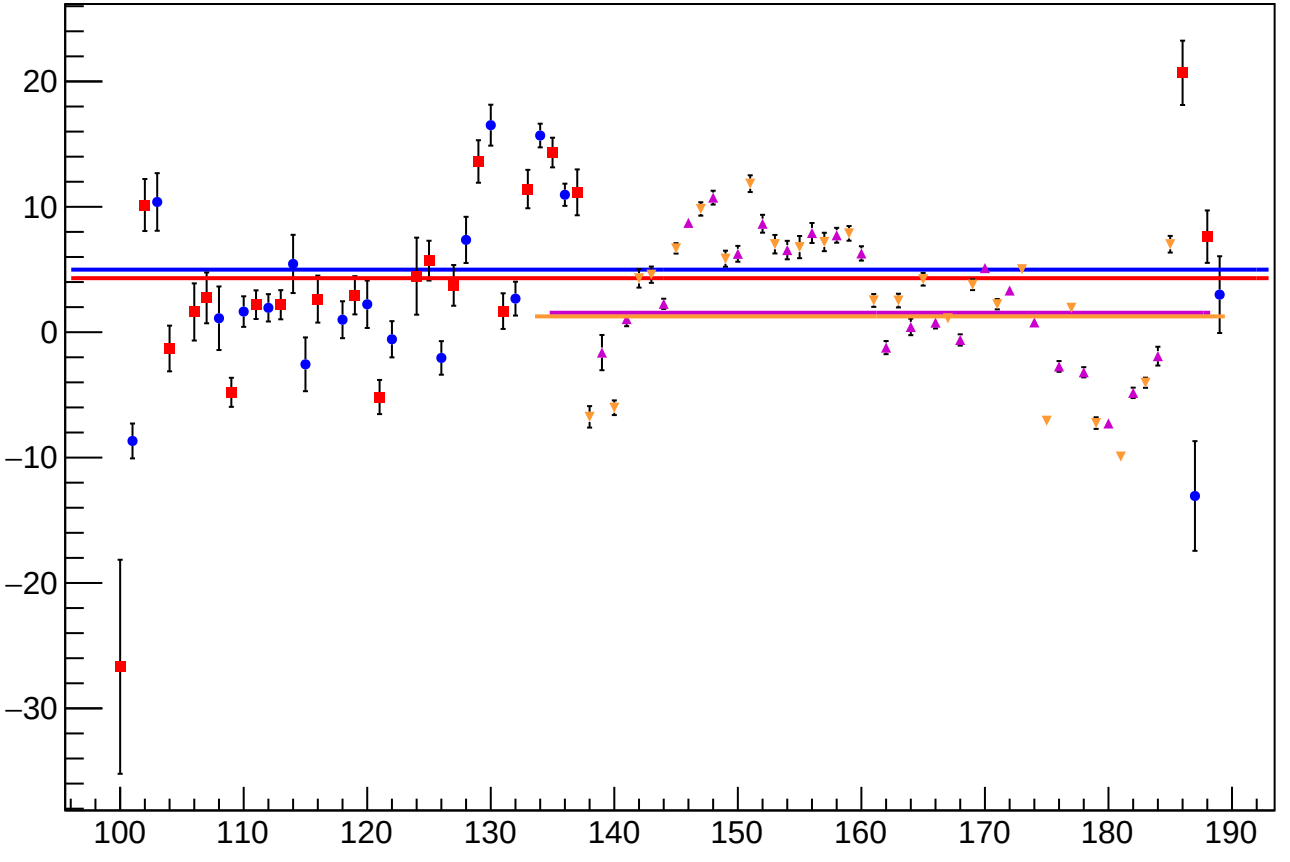
Left In: -46.231+/-0.116 χ^2/NDF:15169.3/22

+ sign -50.458+/-0.107 χ^2/NDF: 26893.3/42

All: -50.601+/-0.076 χ^2/NDF: 54465.4/86

- sign -50.747+/-0.108 χ^2/NDF: 27568.6/43

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 4.991+/-0.346 χ^2/NDF: 430.0/17

Left Out: 1.261+/-0.100 χ^2/NDF:3445.7/24

Right Out: 4.309+/-0.353 χ^2/NDF: 336.1/20

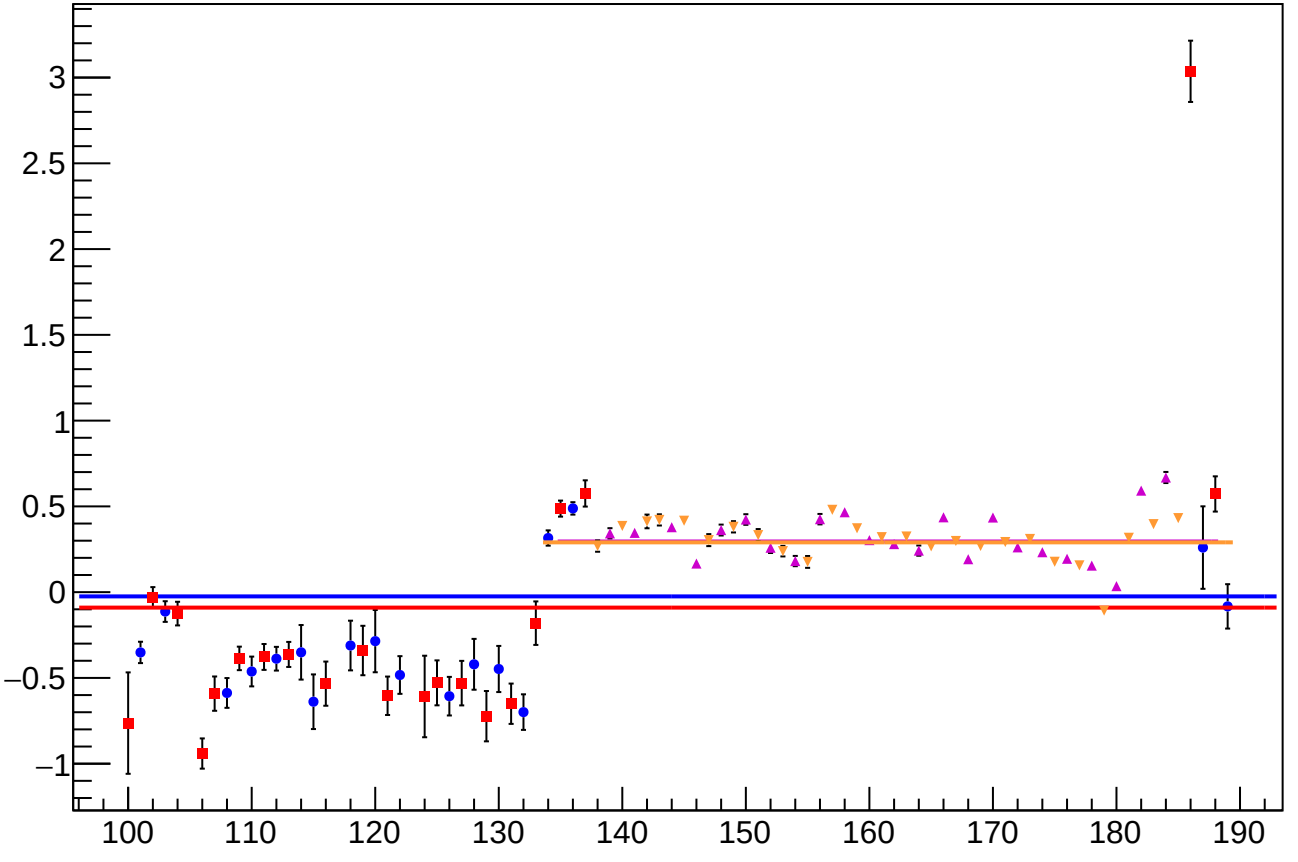
Left In: 1.551+/-0.102 χ^2/NDF:2335.7/22

+ sign 1.550+/-0.096 χ^2/NDF: 3982.6/42

All: 1.655+/-0.069 χ^2/NDF: 6713.2/86

- sign 1.764+/-0.098 χ^2/NDF: 2728.2/43

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.025+/-0.019 χ^2/NDF: 514.1/17

Left Out: 0.290+/-0.004 χ^2/NDF:719.3/24

Right Out: -0.090+/-0.020 χ^2/NDF: 853.3/20

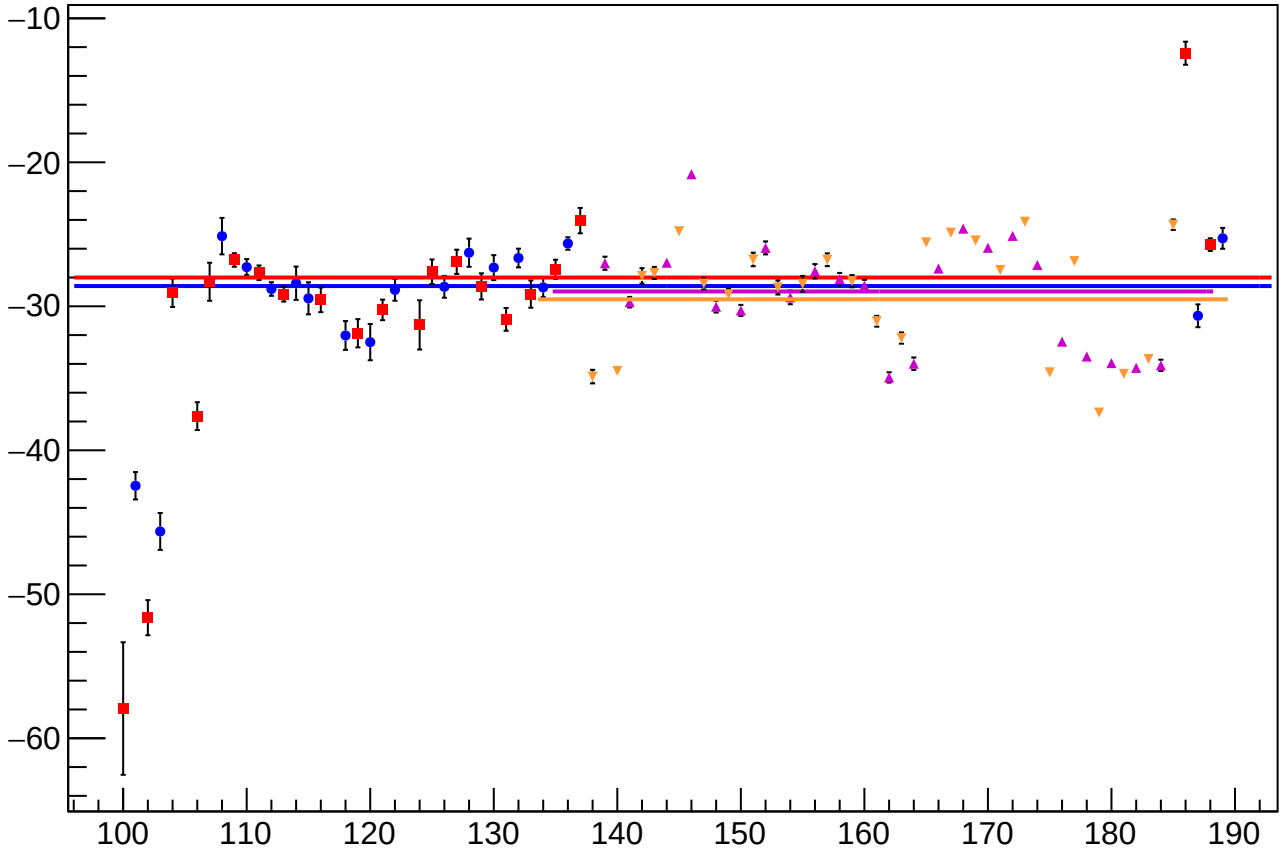
Left In: 0.295+/-0.005 χ^2/NDF:1035.4/22

+ sign 0.273+/-0.004 χ^2/NDF: 1502.2/42

All: 0.274+/-0.003 χ^2/NDF: 3754.0/86

- sign 0.276+/-0.004 χ^2/NDF: 2251.6/43

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -28.594+/-0.176 χ^2/NDF: 515.2/17

Left Out: -29.516+/-0.056 χ^2/NDF:6088.5/24

Right Out: -28.002+/-0.164 χ^2/NDF: 1005.5/20

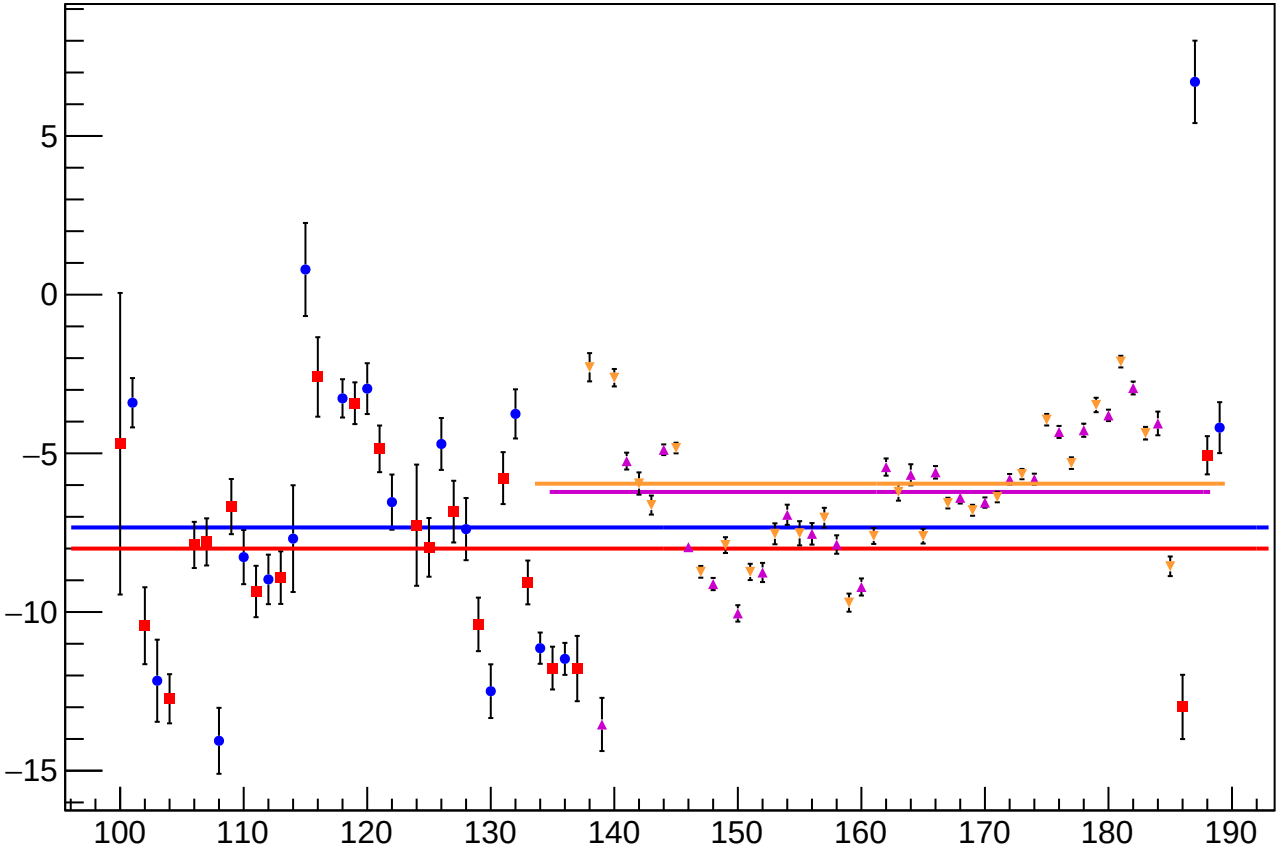
Left In: -28.971+/-0.057 χ^2/NDF:5348.6/22

+ sign -29.430+/-0.054 χ^2/NDF: 6628.7/42

All: -29.149+/-0.038 χ^2/NDF: 13068.9/86

- sign -28.866+/-0.054 χ^2/NDF: 6385.2/43

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.335+/-0.187 χ^2/NDF: 522.1/17

Left Out: -5.956+/-0.044 χ^2/NDF:1857.8/24

Right Out: -8.001+/-0.184 χ^2/NDF: 245.9/20

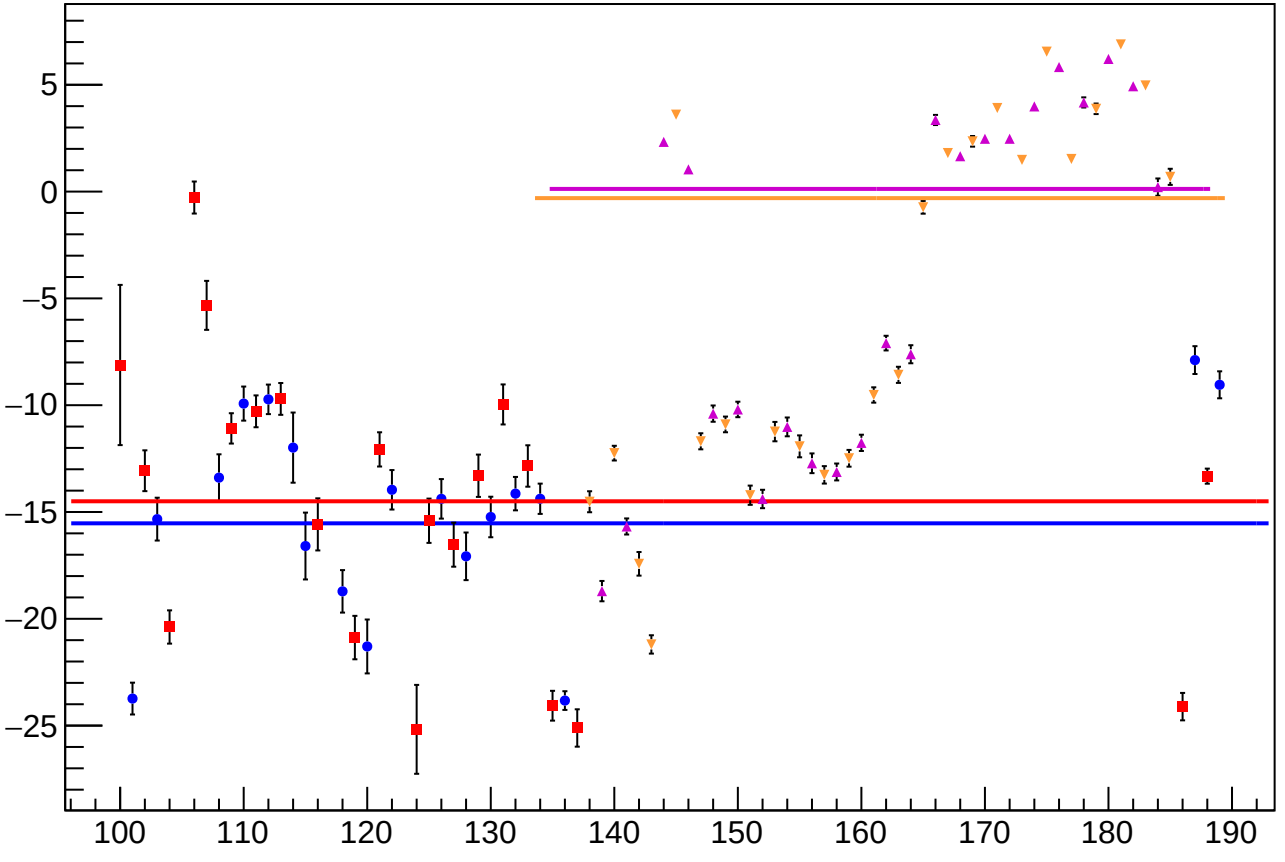
Left In: -6.217+/-0.044 χ^2/NDF:1741.8/22

+ sign -6.029+/-0.043 χ^2/NDF: 2431.2/42

All: -6.173+/-0.030 χ^2/NDF: 4529.7/86

- sign -6.314+/-0.043 χ^2/NDF: 2076.7/43

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -15.531+/-0.190 χ^2/NDF: 895.7/17

Left Out: -0.306+/-0.057 χ^2/NDF:17181.6/24

Right Out: -14.499+/-0.173 χ^2/NDF: 1261.0/20

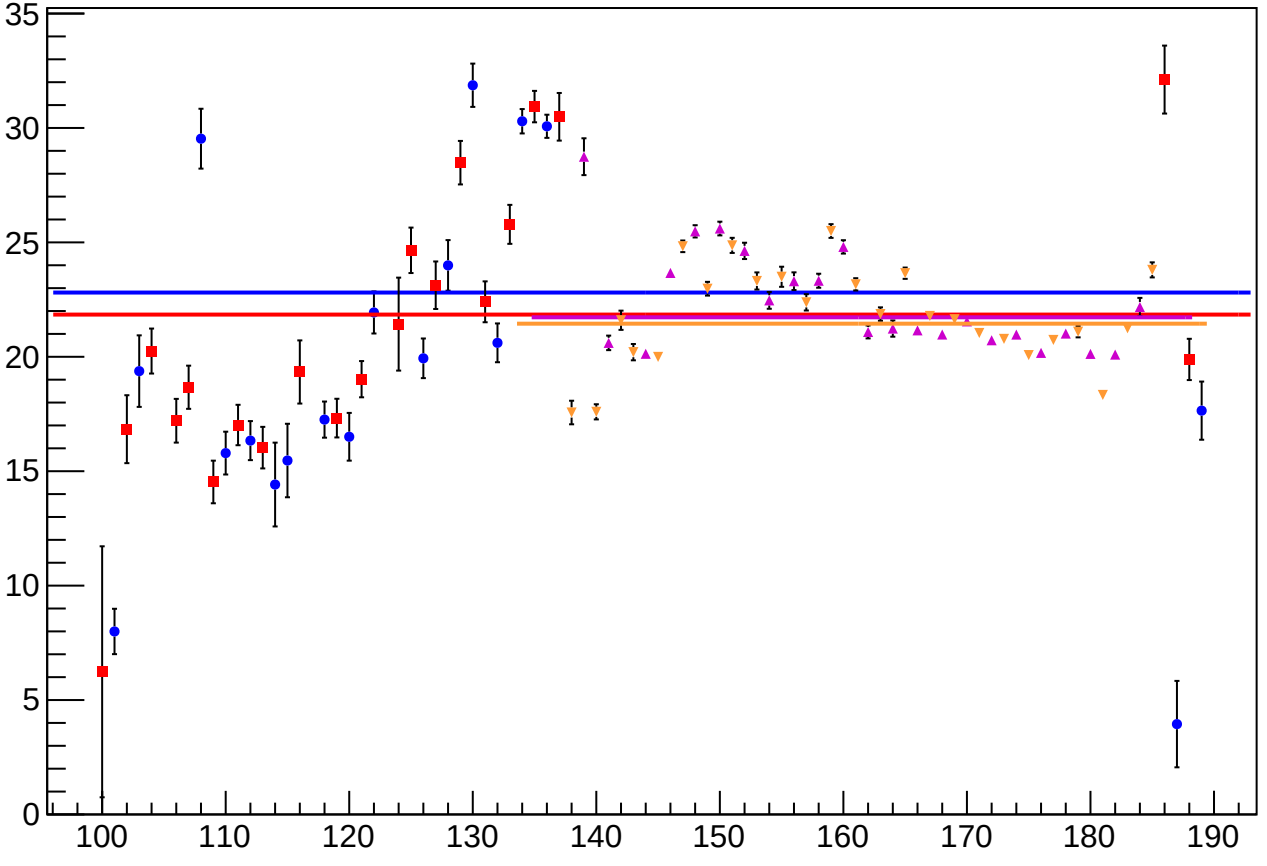
Left In: 0.125+/-0.057 χ^2/NDF:13838.6/22

+ sign -1.544+/-0.054 χ^2/NDF: 23970.4/42

All: -1.423+/-0.038 χ^2/NDF: 45502.9/86

- sign -1.302+/-0.054 χ^2/NDF: 21522.5/43

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 22.808+/-0.214 χ^2/NDF: 1127.9/17

Left Out: 21.447+/-0.050 χ^2/NDF:1325.2/24

Right Out: 21.844+/-0.215 χ^2/NDF: 611.0/20

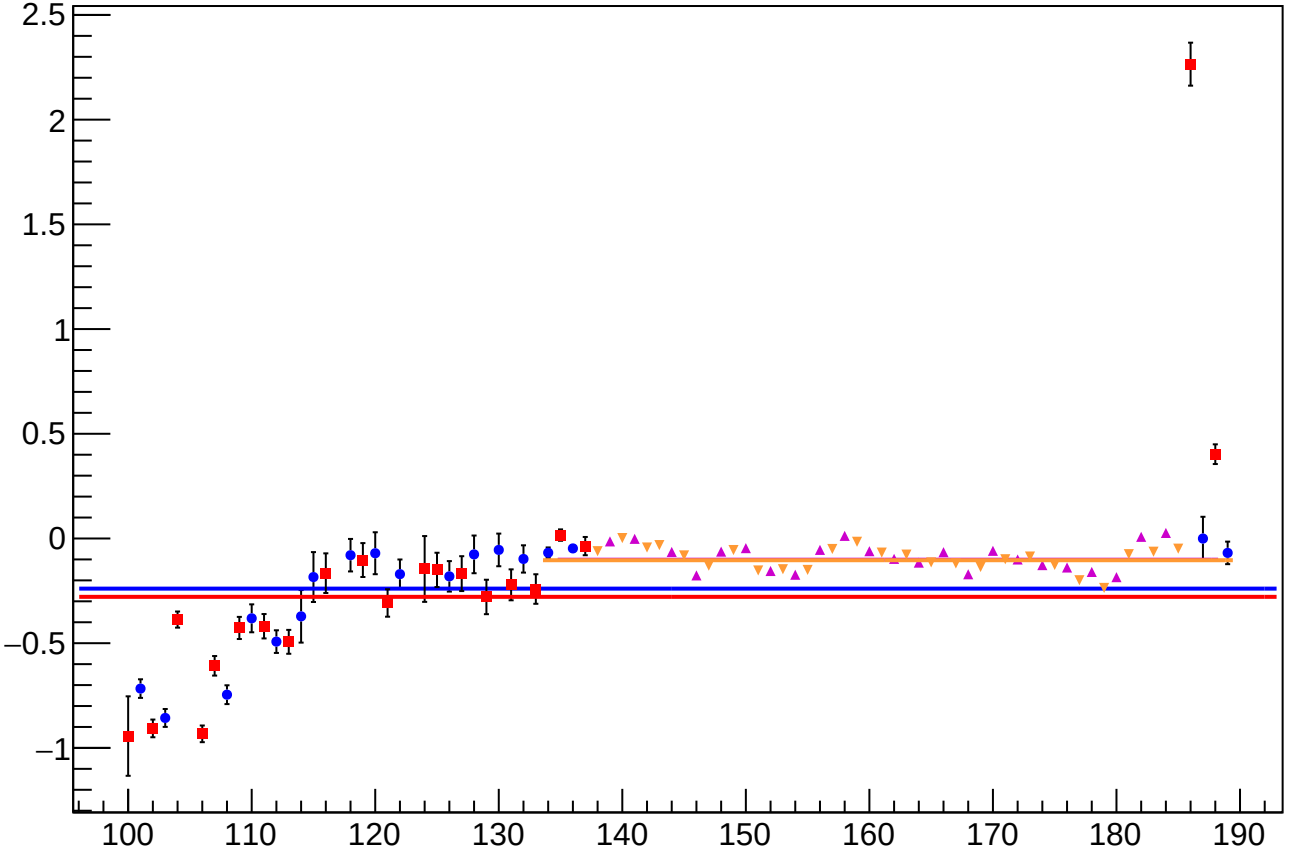
Left In: 21.725+/-0.050 χ^2/NDF:1173.7/22

+ sign 21.516+/-0.048 χ^2/NDF: 2491.6/42

All: 21.624+/-0.034 χ^2/NDF: 4286.6/86

- sign 21.731+/-0.048 χ^2/NDF: 1785.0/43

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.239+/-0.011 χ^2/NDF: 649.8/17

Left Out: -0.104+/-0.002 χ^2/NDF:547.4/24

Right Out: -0.279+/-0.012 χ^2/NDF: 1574.0/20

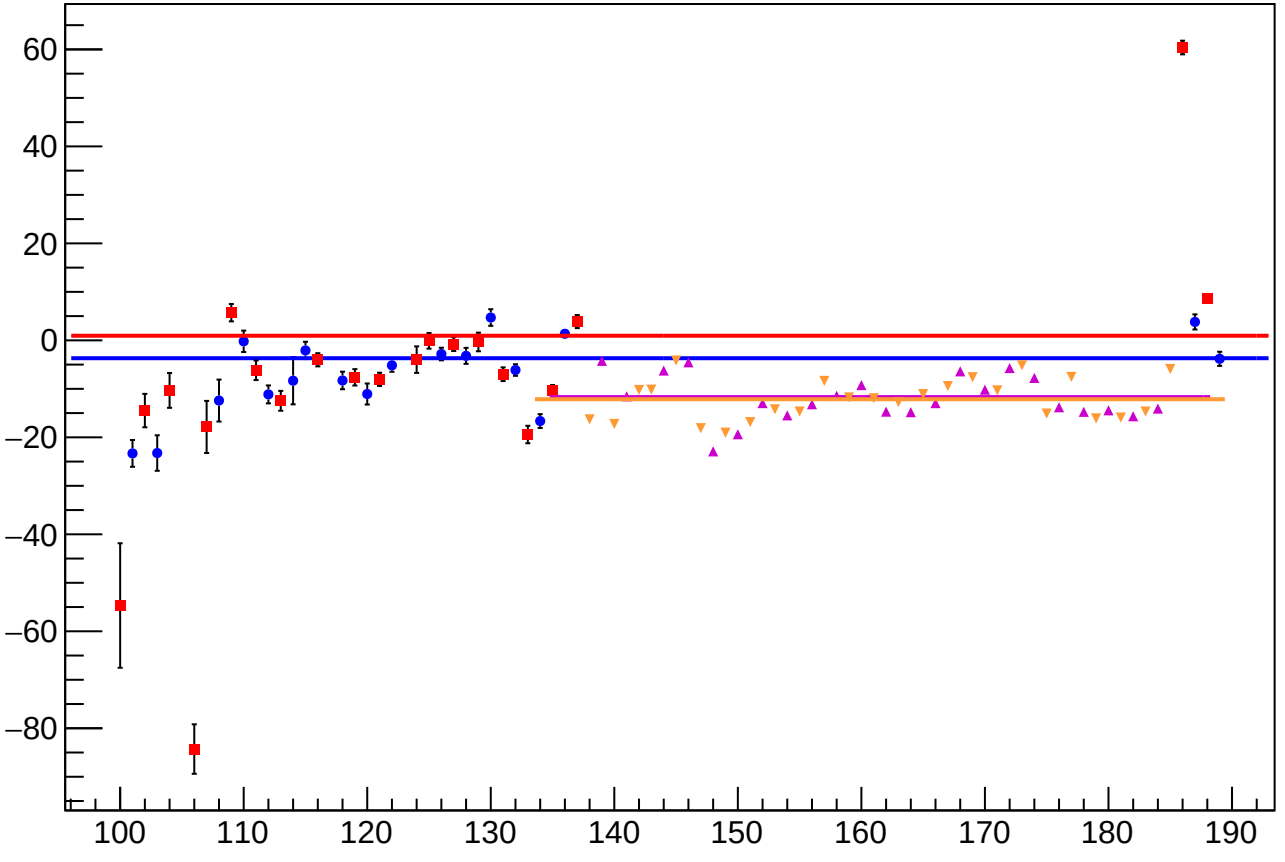
Left In: -0.101+/-0.002 χ^2/NDF:757.6/22

+ sign -0.109+/-0.002 χ^2/NDF: 1335.3/42

All: -0.108+/-0.002 χ^2/NDF: 3883.0/86

- sign -0.107+/-0.002 χ^2/NDF: 2547.5/43

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -3.684+/-0.359 χ^2/NDF: 312.3/17

Left Out: -12.143+/-0.092 χ^2/NDF:2130.5/24

Right Out: 0.956+/-0.353 χ^2/NDF: 2634.4/20

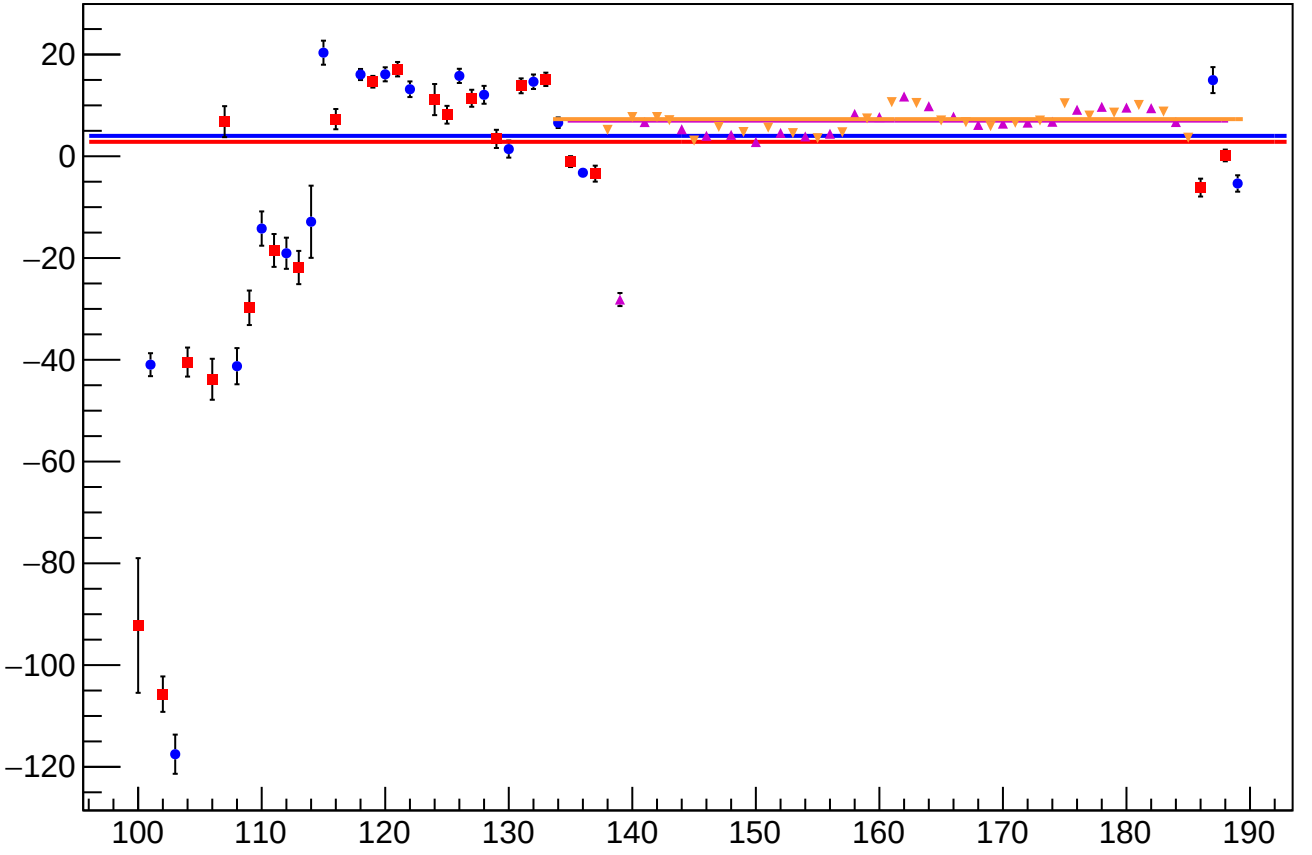
Left In: -11.698+/-0.094 χ^2/NDF:1951.0/22

+ sign -11.628+/-0.089 χ^2/NDF: 2963.2/42

All: -11.253+/-0.064 χ^2/NDF: 8782.1/86

- sign -10.857+/-0.091 χ^2/NDF: 5782.2/43

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 4.008+/-0.371 χ^2/NDF: 2221.7/17

Left Out: 7.297+/-0.075 χ^2/NDF:822.9/24

Right Out: 2.838+/-0.387 χ^2/NDF: 2043.1/20

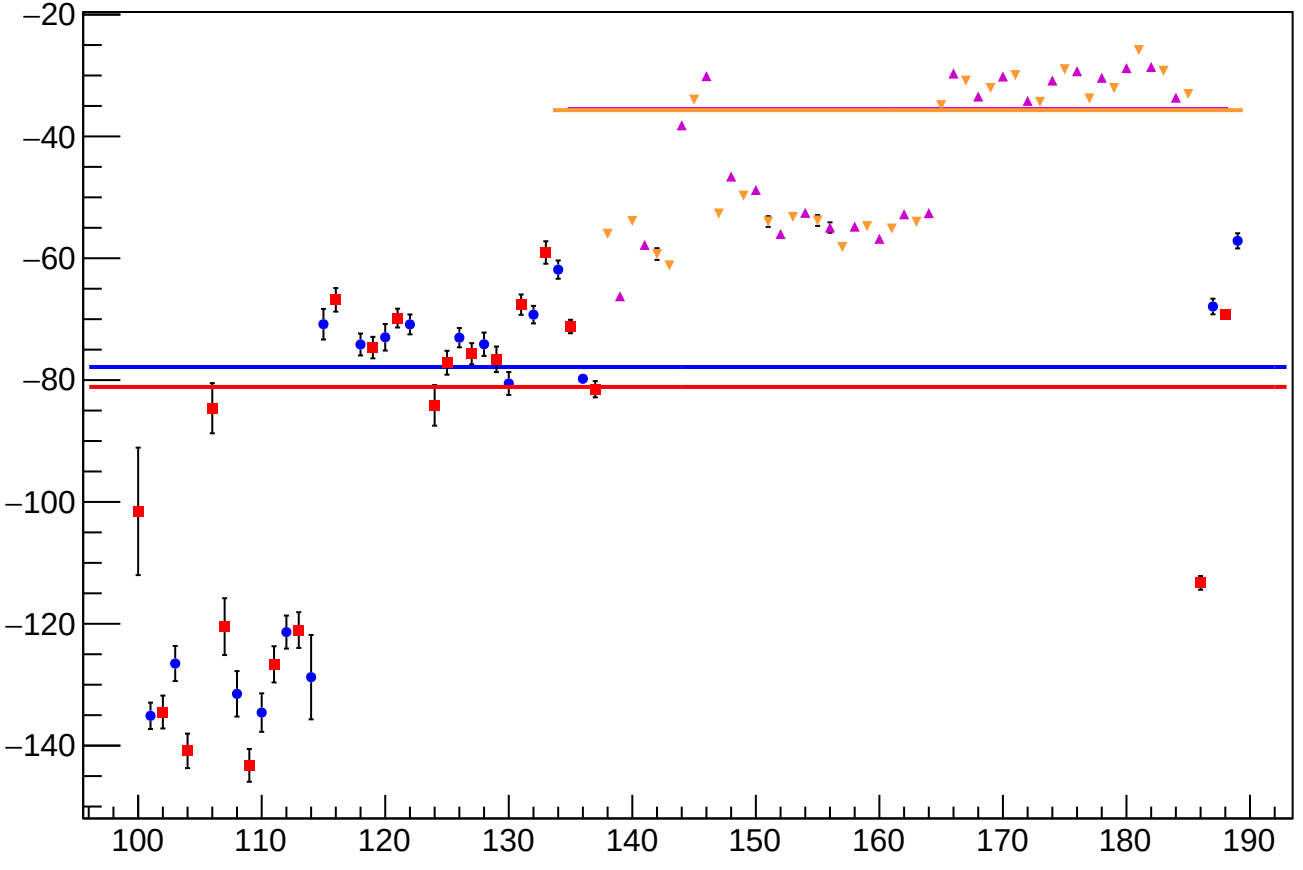
Left In: 7.004+/-0.076 χ^2/NDF:1576.0/22

+ sign 7.168+/-0.073 χ^2/NDF: 3120.3/42

All: 7.011+/-0.052 χ^2/NDF: 6860.3/86

- sign 6.850+/-0.075 χ^2/NDF: 3730.8/43

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -77.849+/-0.378 χ^2/NDF: 2375.0/17

Left Out: -35.690+/-0.092 χ^2/NDF:12778.3/24

Right Out: -81.120+/-0.359 χ^2/NDF: 3437.4/20

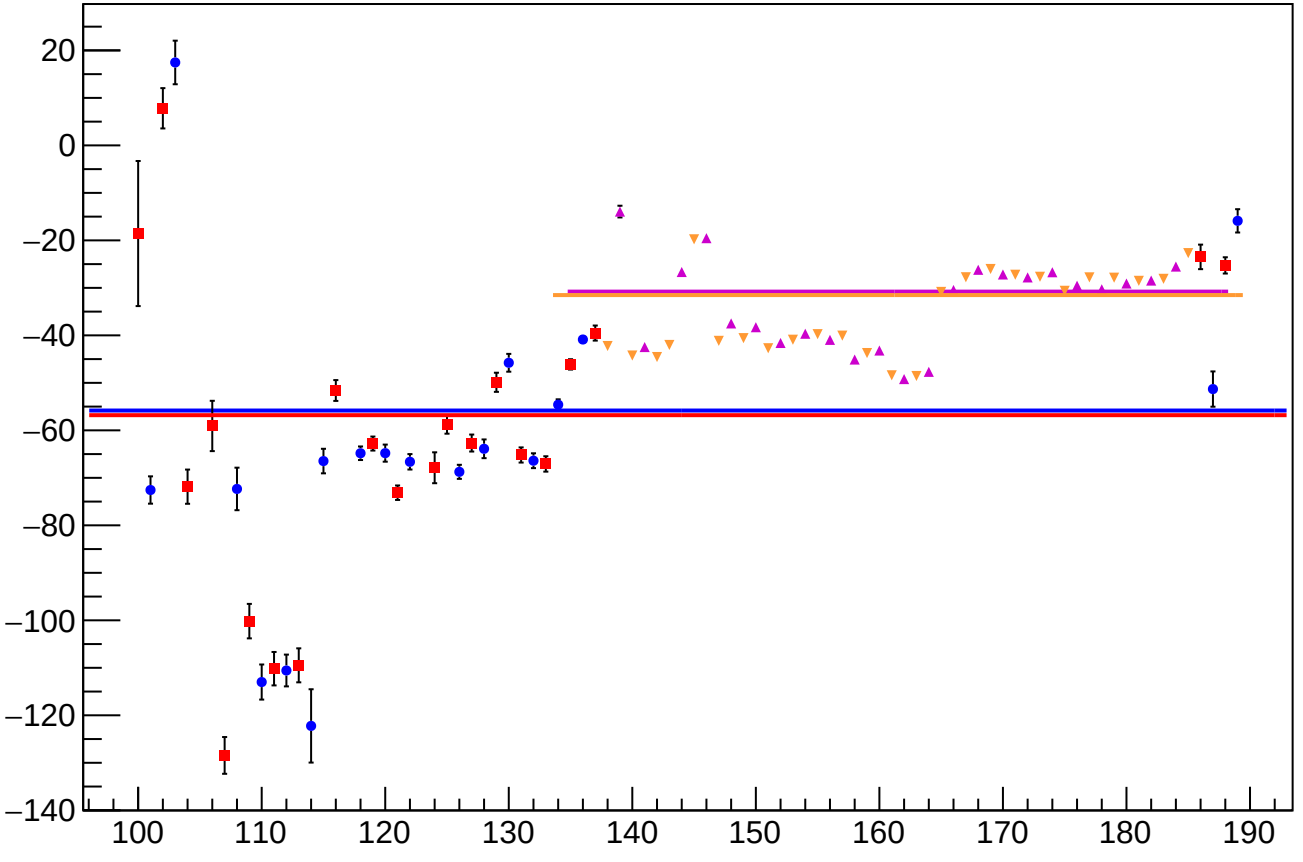
Left In: -35.497+/-0.095 χ^2/NDF:11162.0/22

\+ sign -38.063+/-0.090 χ^2/NDF: 26914.9/42

All: -38.259+/-0.064 χ^2/NDF: 56647.5/86

\- sign -38.463+/-0.091 χ^2/NDF: 29722.9/43

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -55.827+/-0.417 χ^2/NDF: 1801.9/17

Left Out: -31.520+/-0.083 χ^2/NDF:8457.7/24

Right Out: -56.805+/-0.446 χ^2/NDF: 2148.7/20

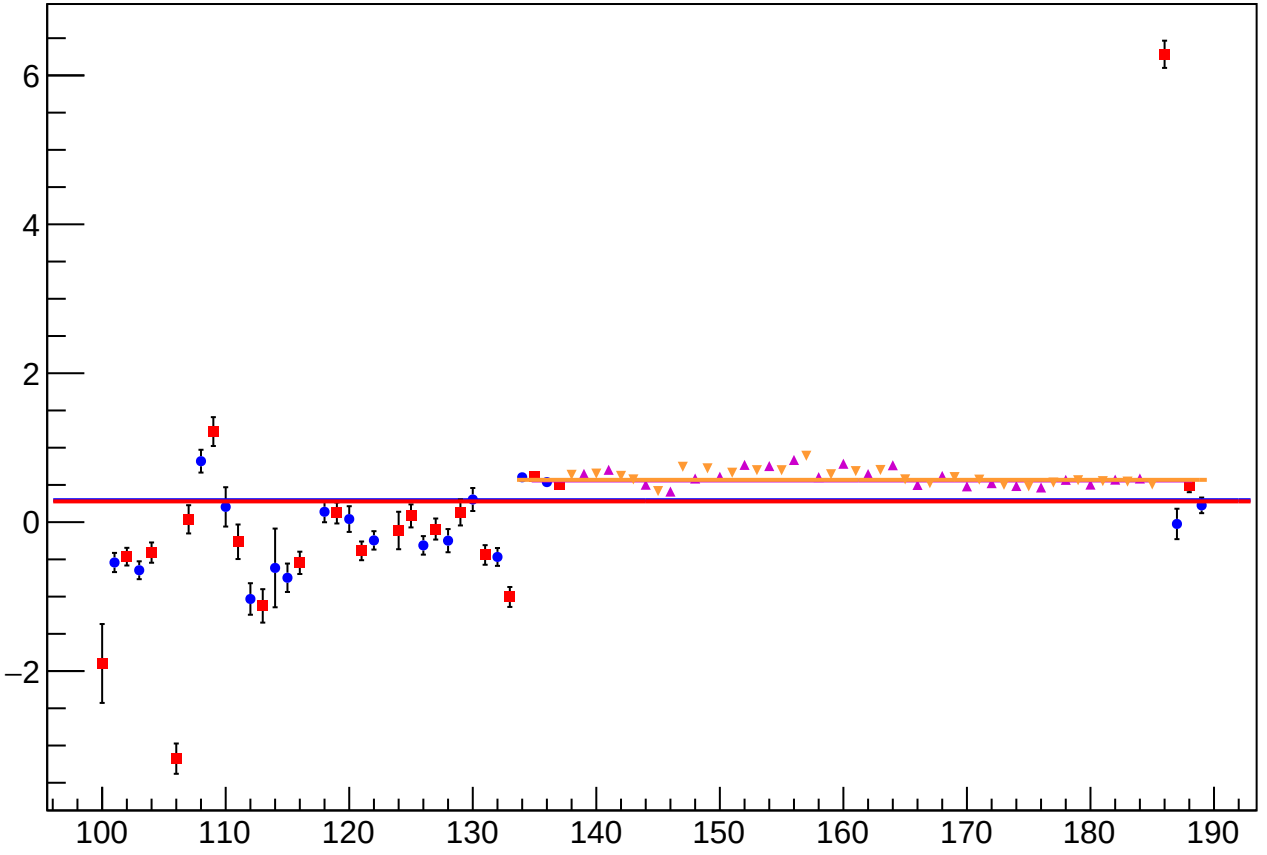
Left In: -30.789+/-0.084 χ^2/NDF:7548.8/22

+ sign -32.443+/-0.081 χ^2/NDF: 13531.5/42

All: -32.071+/-0.058 χ^2/NDF: 26551.0/86

- sign -31.685+/-0.083 χ^2/NDF: 12976.8/43

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.295+/-0.022 χ^2/NDF: 377.8/17

Left Out: 0.568+/-0.004 χ^2/NDF:554.5/24

Right Out: 0.279+/-0.025 χ^2/NDF: 1787.5/20

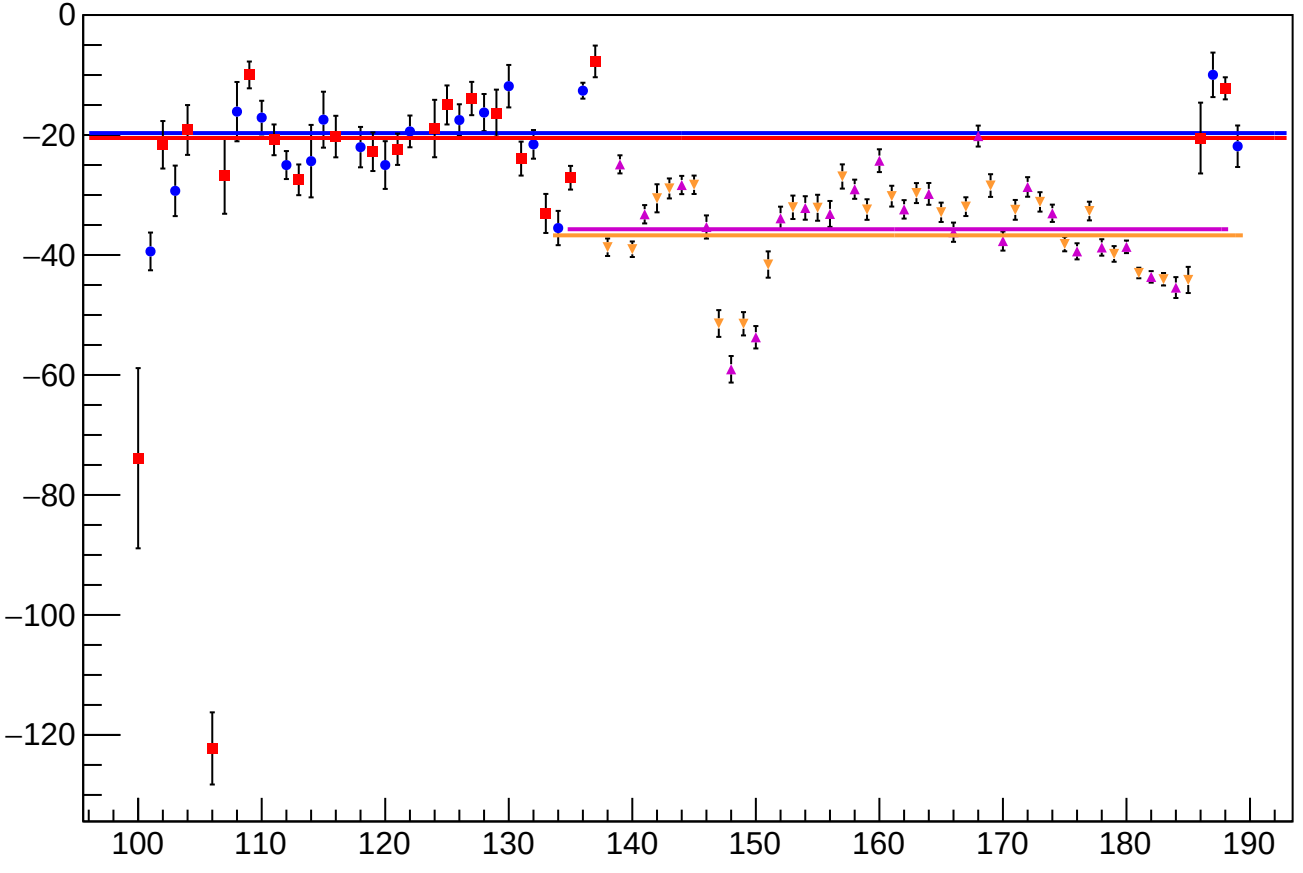
Left In: 0.560+/-0.004 χ^2/NDF:671.5/22

+ sign 0.561+/-0.004 χ^2/NDF: 1078.9/42

All: 0.557+/-0.003 χ^2/NDF: 3663.0/86

- sign 0.554+/-0.004 χ^2/NDF: 2582.2/43

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -19.683+/-0.670 χ^2/NDF: 128.0/17

Left Out: -36.724+/-0.310 χ^2/NDF:420.8/24

Right Out: -20.500+/-0.661 χ^2/NDF: 411.7/20

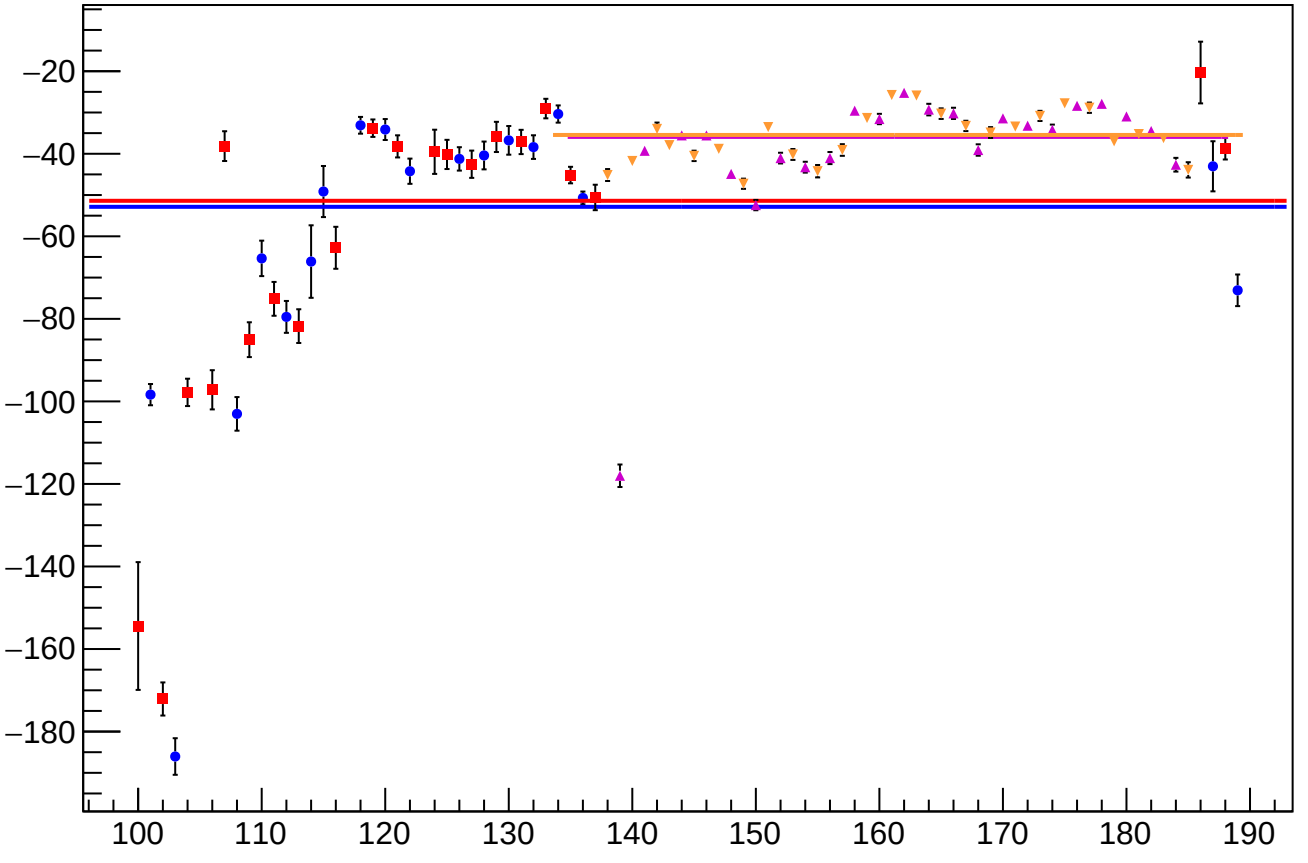
Left In: -35.706+/-0.323 χ^2/NDF:578.6/22

+ sign -33.716+/-0.282 χ^2/NDF: 1081.5/42

All: -33.259+/-0.202 χ^2/NDF: 2504.2/86

- sign -32.774+/-0.290 χ^2/NDF: 1417.2/43

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -52.854+/-0.692 χ^2/NDF: 1809.3/17

Left Out: -35.442+/-0.245 χ^2/NDF:537.8/24

Right Out: -51.396+/-0.716 χ^2/NDF: 1706.3/20

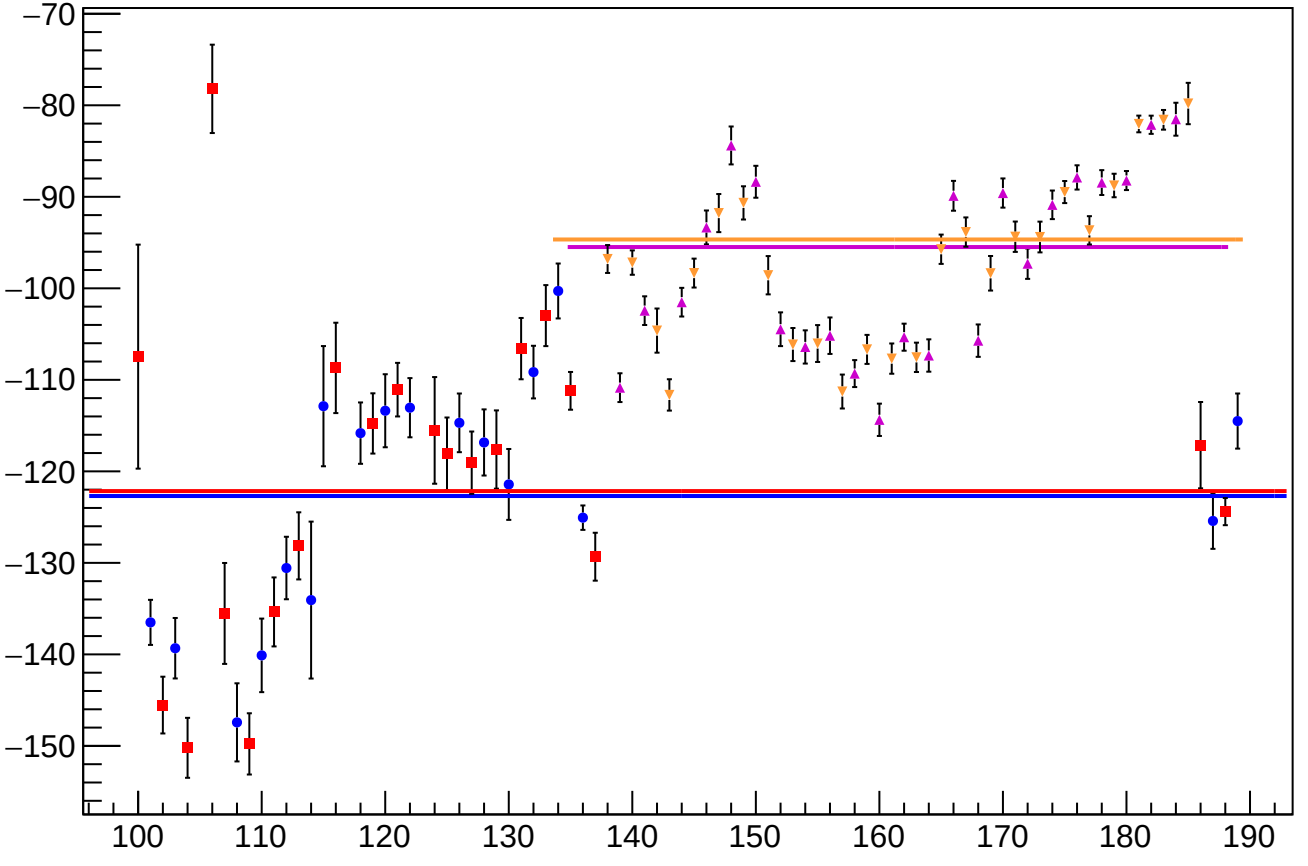
Left In: -35.913+/-0.256 χ^2/NDF:1543.1/22

+ sign -37.381+/-0.231 χ^2/NDF: 2910.1/42

All: -37.519+/-0.167 χ^2/NDF: 6574.6/86

- sign -37.669+/-0.241 χ^2/NDF: 3663.7/43

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -122.696+/-0.708 χ^2/NDF: 235.2/17

Left Out: -94.663+/-0.310 χ^2/NDF:900.1/24

Right Out: -122.156+/-0.697 χ^2/NDF: 428.4/20

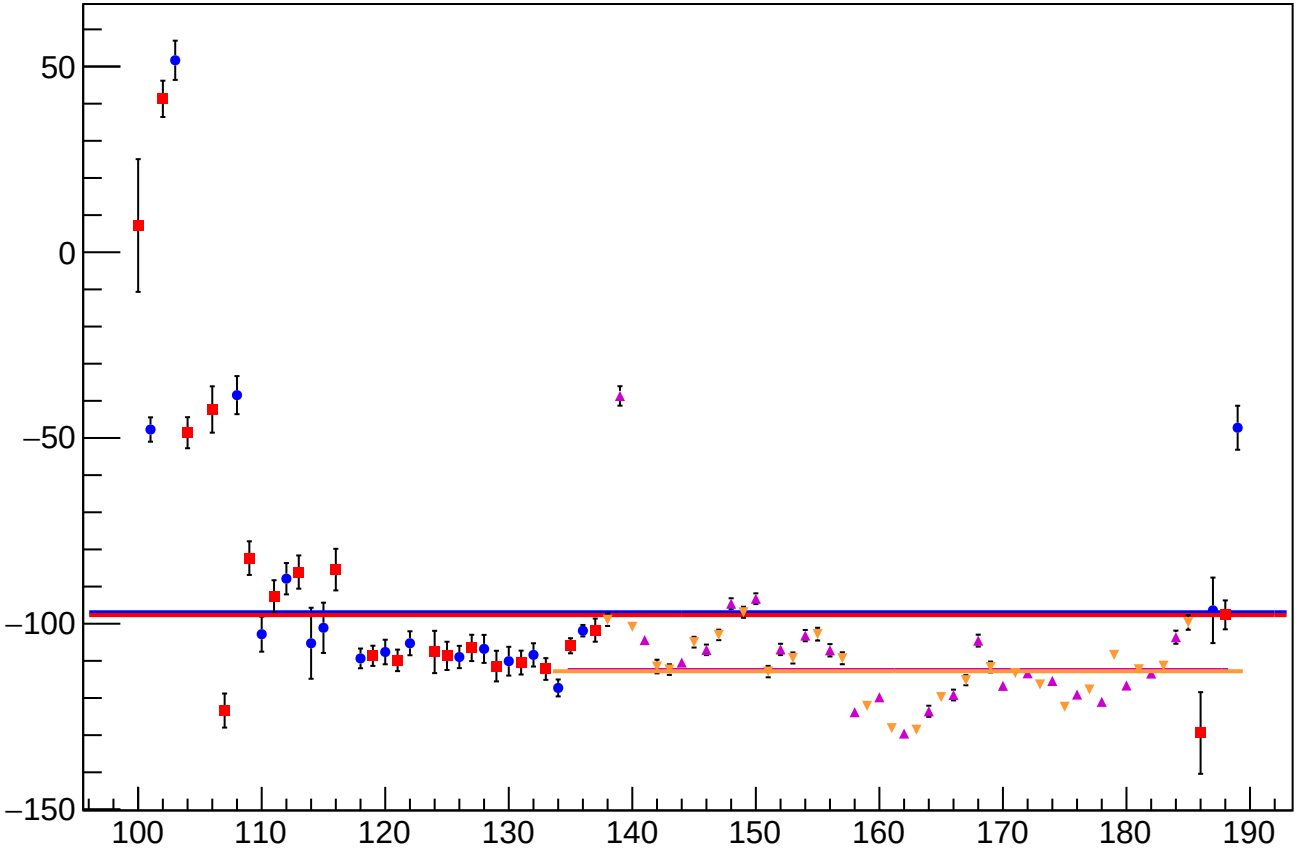
Left In: -95.489+/-0.321 χ^2/NDF:970.1/22

\+ sign -99.170+/-0.284 χ^2/NDF: 2451.5/42

All: -99.650+/-0.203 χ^2/NDF: 5062.7/86

\- sign -100.158+/-0.292 χ^2/NDF: 2605.3/43

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -96.919+/-0.783 χ^2/NDF: 1402.4/17

Left Out: -112.794+/-0.274 χ^2/NDF:936.4/24

Right Out: -97.687+/-0.821 χ^2/NDF: 1244.8/20

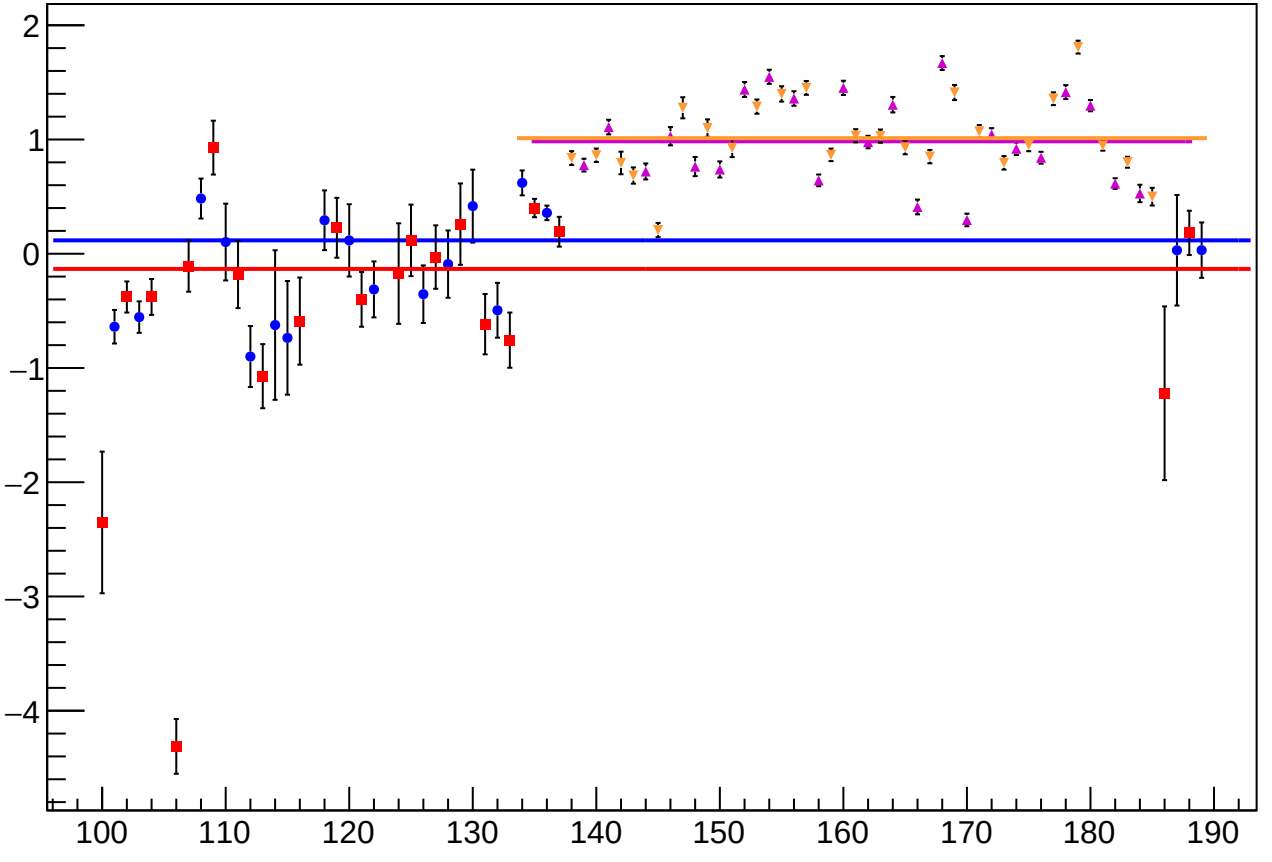
Left In: -112.465+/-0.285 χ^2/NDF:1788.6/22

+ sign -111.061+/-0.259 χ^2/NDF: 2705.1/42

All: -110.973+/-0.186 χ^2/NDF: 6027.8/86

- sign -110.879+/-0.269 χ^2/NDF: 3322.4/43

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.117+/-0.040 χ^2/NDF: 124.1/17

Left Out: 1.012+/-0.012 χ^2/NDF:691.2/24

Right Out: -0.133+/-0.044 χ^2/NDF: 425.8/20

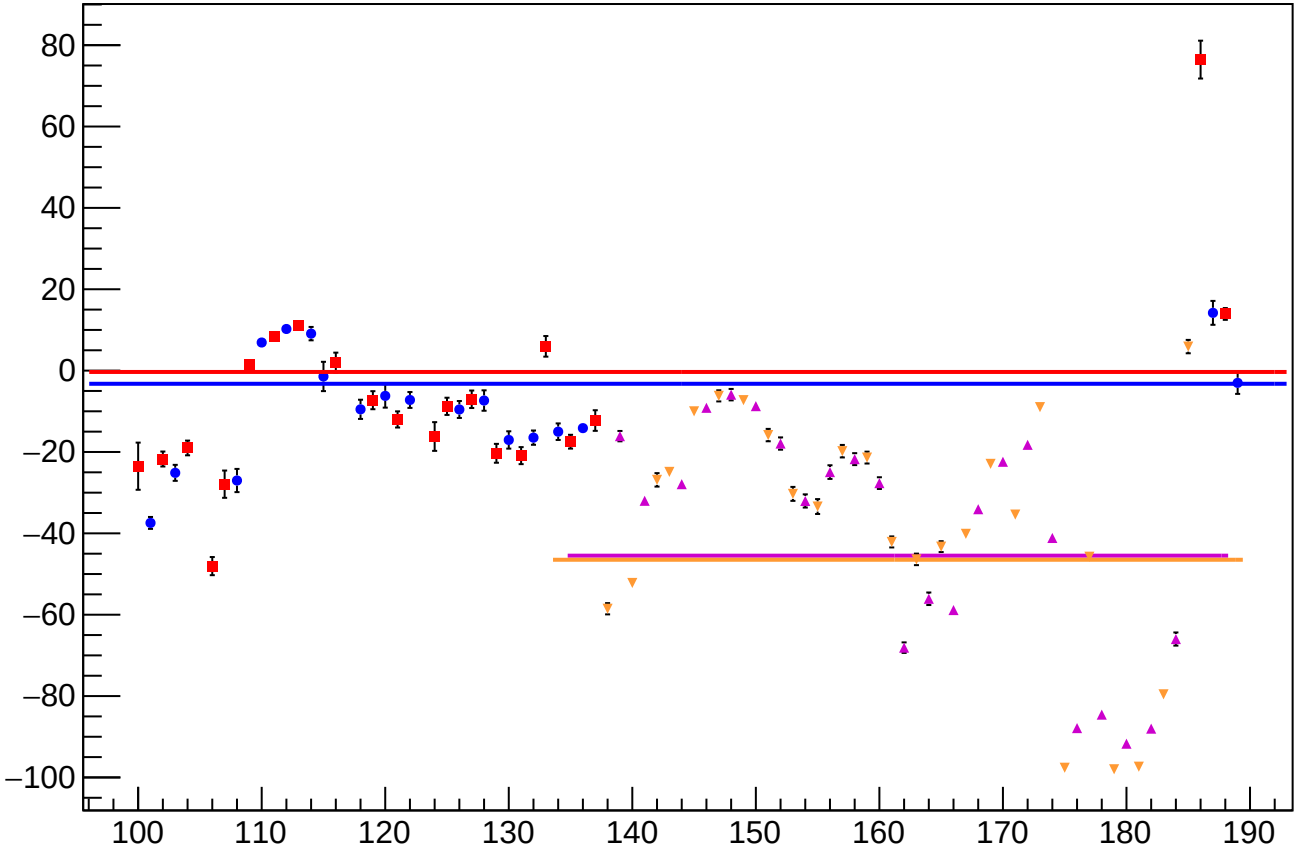
Left In: 0.984+/-0.013 χ^2/NDF:900.0/22

+ sign 0.937+/-0.012 χ^2/NDF: 1262.4/42

All: 0.918+/-0.008 χ^2/NDF: 3198.1/86

- sign 0.899+/-0.012 χ^2/NDF: 1930.7/43

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -3.236+/-0.370 χ^2/NDF: 1565.0/17

Left Out: -46.493+/-0.230 χ^2/NDF:20046.7/24

Right Out: -0.329+/-0.329 χ^2/NDF: 1906.0/20

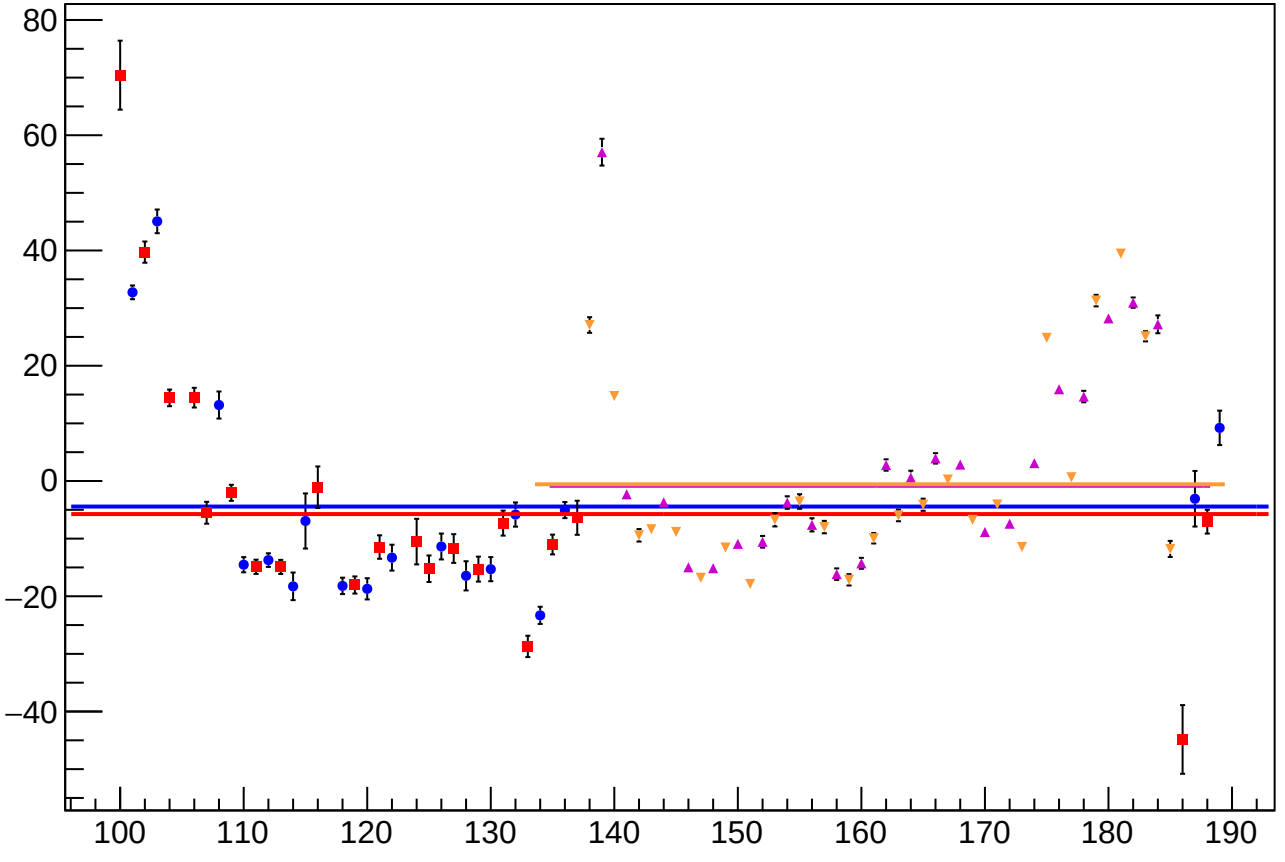
Left In: -45.487+/-0.238 χ^2/NDF:15571.1/22

+ sign -34.440+/-0.195 χ^2/NDF: 31460.5/42

All: -32.180+/-0.137 χ^2/NDF: 61592.2/86

- sign -29.985+/-0.193 χ^2/NDF: 29868.1/43

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -4.435+/-0.425 χ^2/NDF: 2169.4/17

Left Out: -0.572+/-0.177 χ^2/NDF:8451.5/24

Right Out: -5.742+/-0.413 χ^2/NDF: 1552.3/20

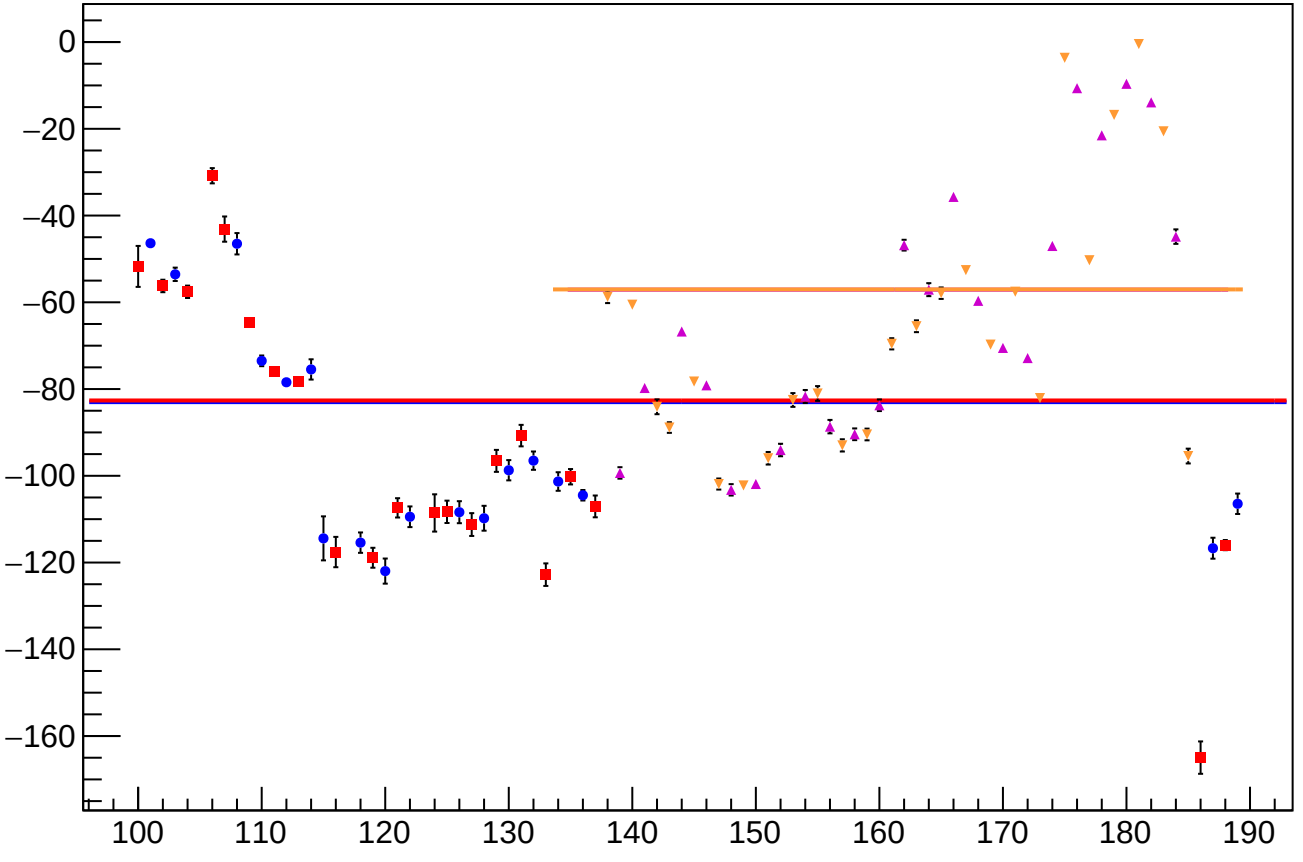
Left In: -0.828+/-0.183 χ^2/NDF:6116.6/22

+ sign -1.145+/-0.164 χ^2/NDF: 10691.3/42

All: -1.385+/-0.117 χ^2/NDF: 18483.2/86

- sign -1.636+/-0.167 χ^2/NDF: 7787.5/43

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -83.015+/-0.424 χ^2/NDF: 3183.3/17

Left Out: -57.029+/-0.230 χ^2/NDF:20309.3/24

Right Out: -82.634+/-0.391 χ^2/NDF: 4586.7/20

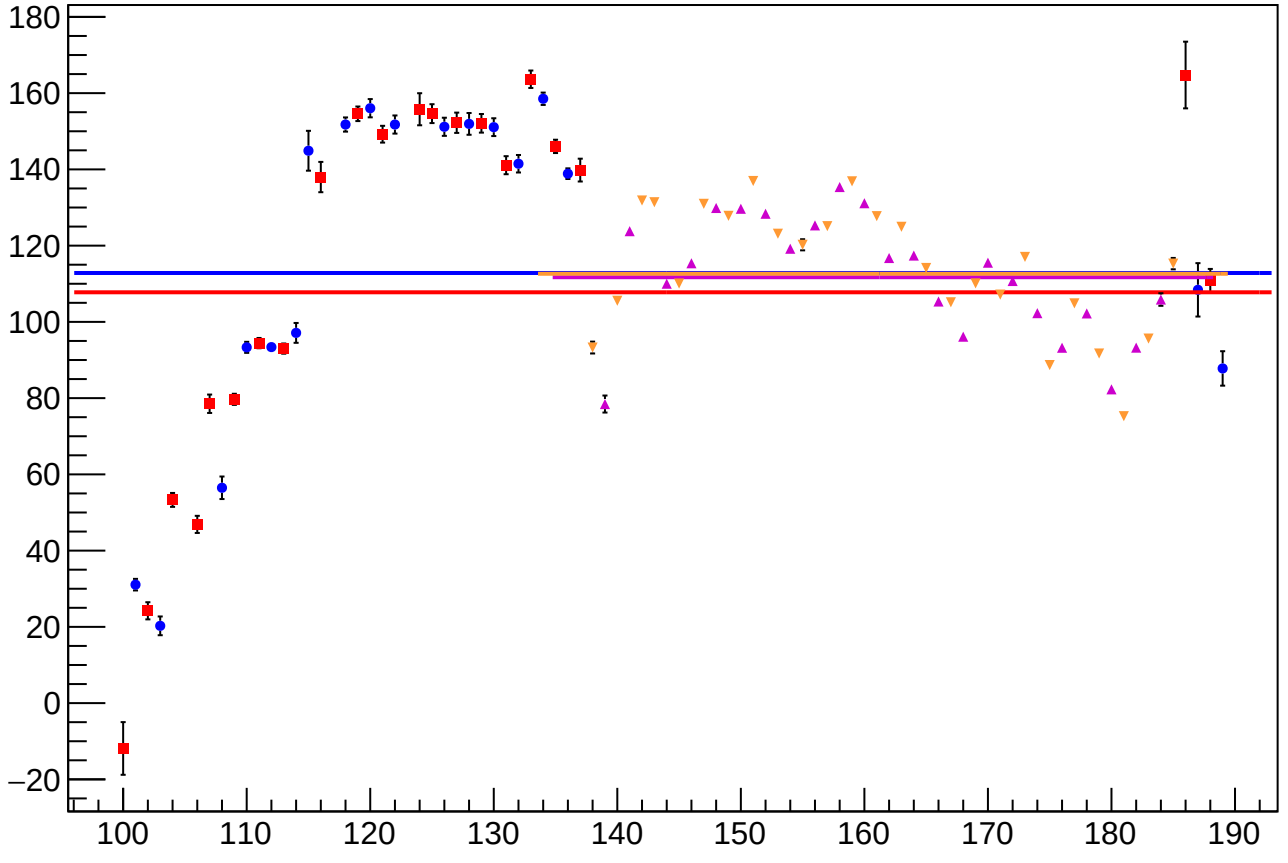
Left In: -57.091+/-0.237 χ^2/NDF:17167.8/22

+ sign -62.926+/-0.202 χ^2/NDF: 26392.7/42

All: -63.437+/-0.143 χ^2/NDF: 51289.4/86

- sign -63.949+/-0.202 χ^2/NDF: 24883.9/43

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 112.828+/-0.485 χ^2/NDF: 8235.6/17

Left Out: 112.625+/-0.200 χ^2/NDF:6708.0/24

Right Out: 107.763+/-0.473 χ^2/NDF: 7587.8/20

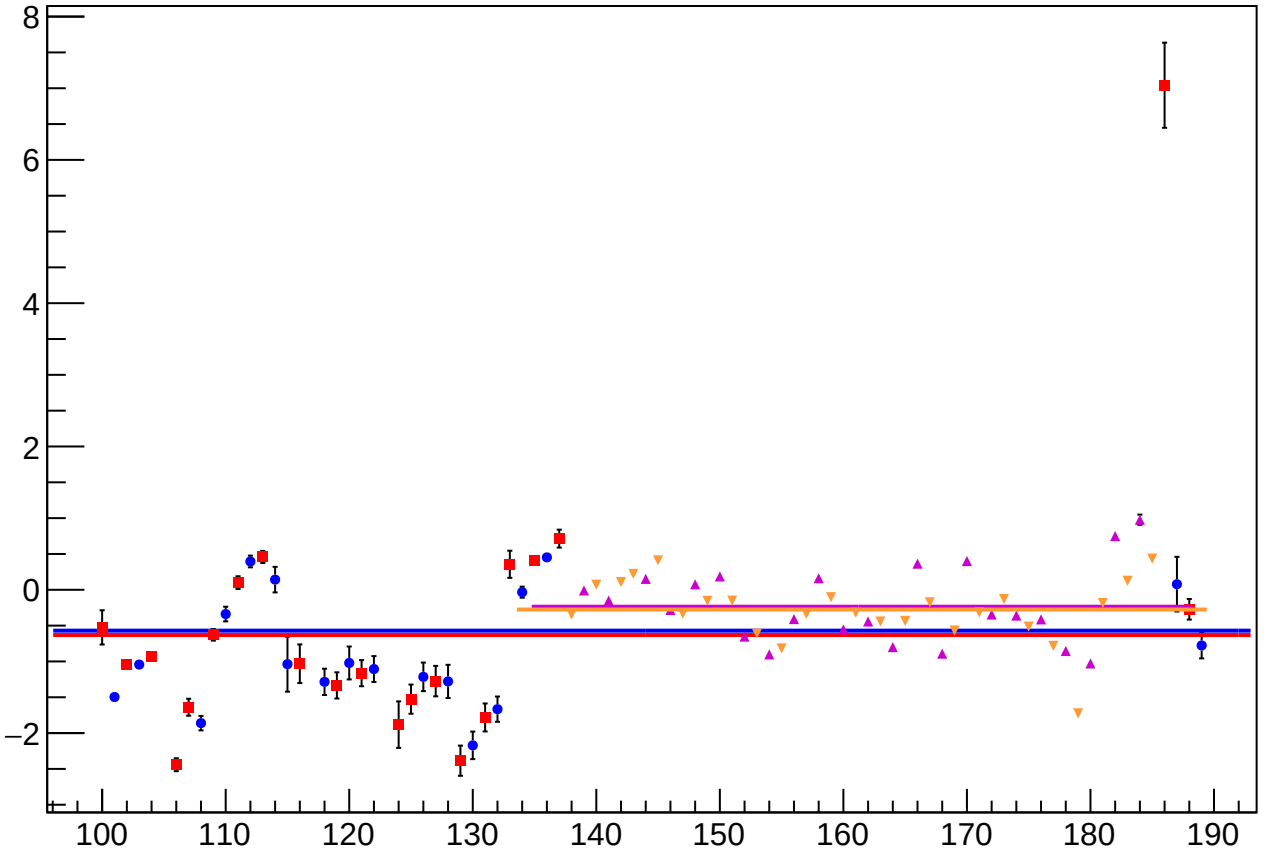
Left In: 111.720+/-0.206 χ^2/NDF:4896.8/22

+ sign 112.654+/-0.185 χ^2/NDF: 14943.8/42

All: 111.888+/-0.132 χ^2/NDF: 27522.3/86

- sign 111.089+/-0.189 χ^2/NDF: 12543.4/43

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.570+/-0.025 χ^2/NDF: 1101.6/17

Left Out: -0.276+/-0.009 χ^2/NDF:2122.4/24

Right Out: -0.632+/-0.025 χ^2/NDF: 1489.3/20

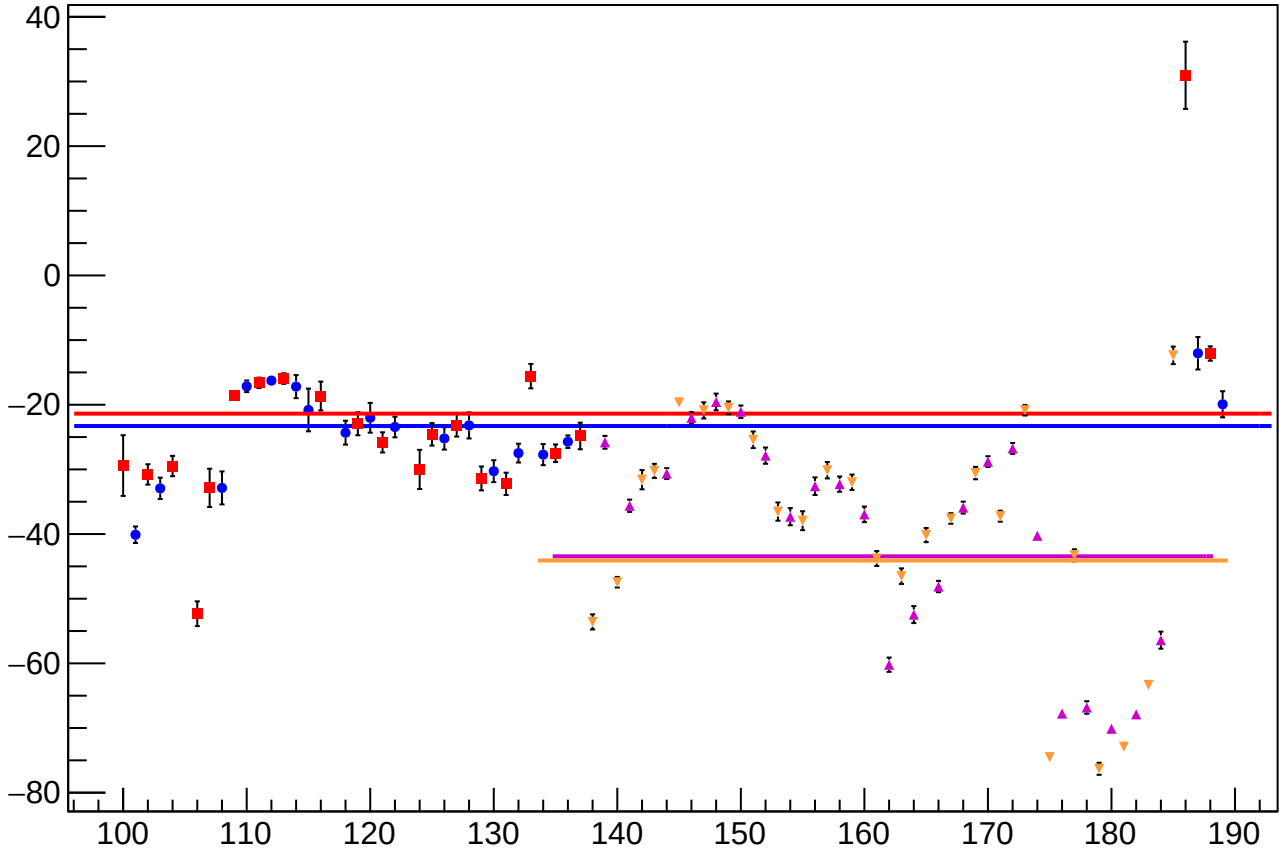
Left In: -0.236+/-0.009 χ^2/NDF:2961.3/22

+ sign -0.308+/-0.008 χ^2/NDF: 3342.9/42

All: -0.296+/-0.006 χ^2/NDF: 8020.5/86

- sign -0.284+/-0.009 χ^2/NDF: 4673.6/43

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -23.291+/-0.340 χ^2/NDF: 430.1/17

Left Out: -44.087+/-0.193 χ^2/NDF:10340.4/24

Right Out: -21.375+/-0.309 χ^2/NDF: 732.2/20

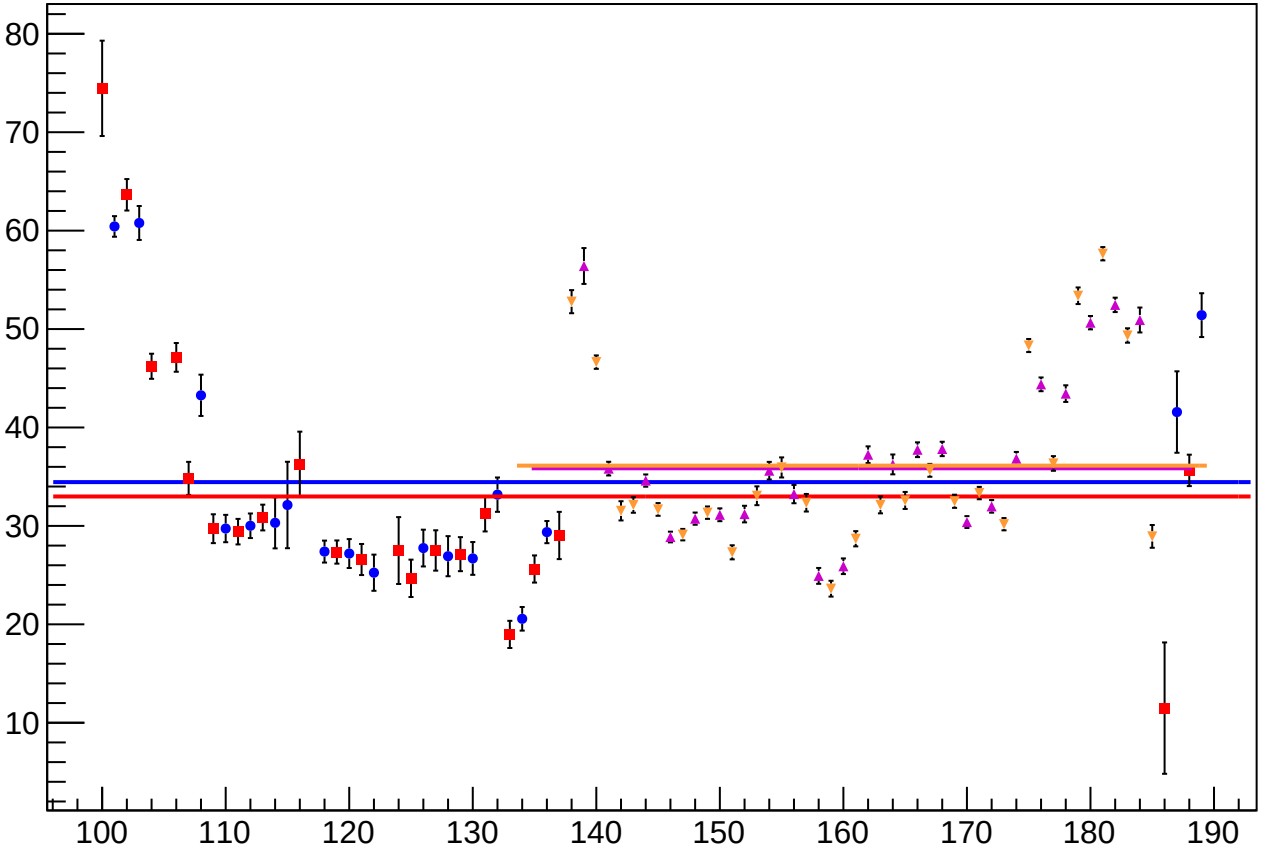
Left In: -43.444+/-0.199 χ^2/NDF:7820.5/22

+ sign -39.020+/-0.168 χ^2/NDF: 13598.7/42

All: -37.992+/-0.118 χ^2/NDF: 25842.4/86

- sign -36.974+/-0.167 χ^2/NDF: 12169.0/43

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 34.450+/-0.369 χ^2/NDF: 1247.5/17

Left Out: 36.123+/-0.150 χ^2/NDF:3558.5/24

Right Out: 32.989+/-0.362 χ^2/NDF: 888.1/20

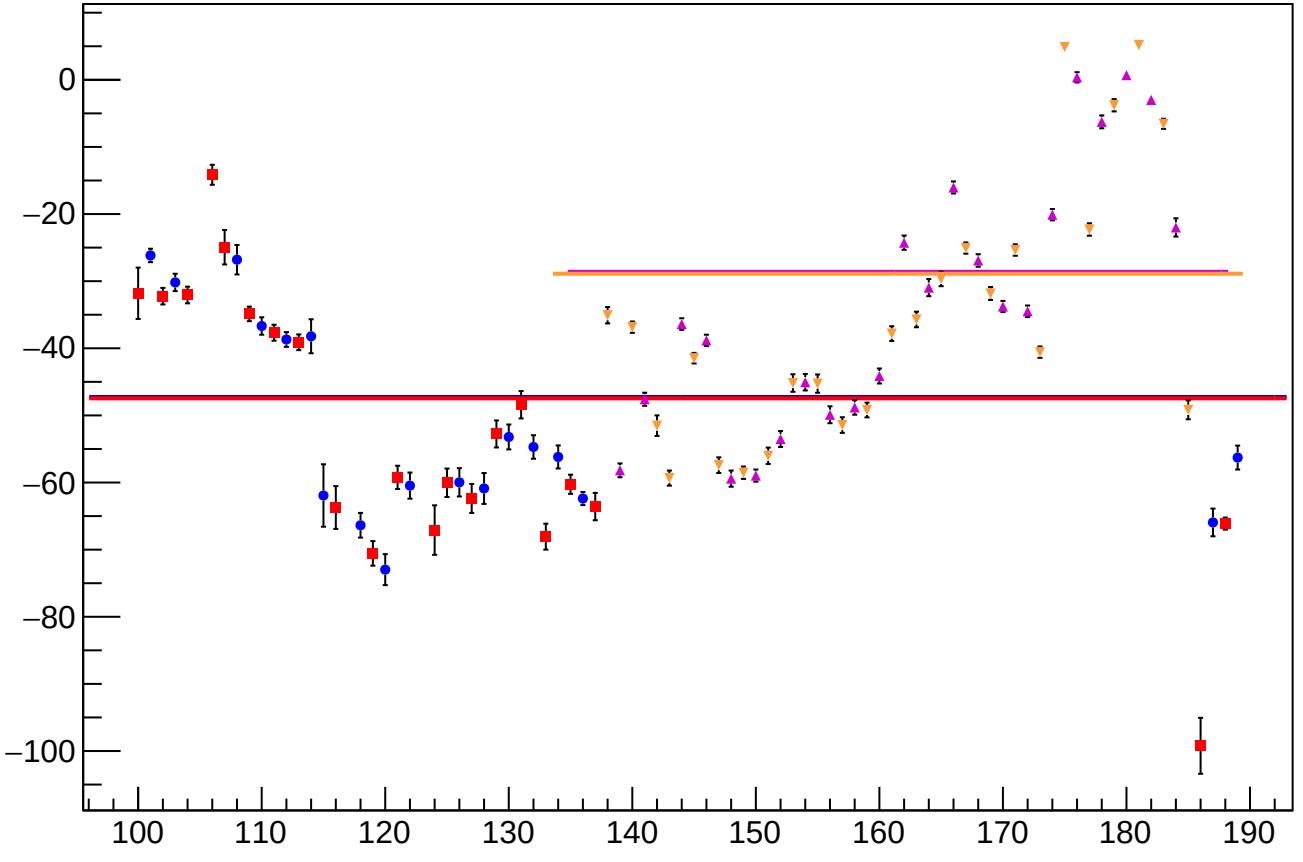
Left In: 35.852+/-0.155 χ^2/NDF:2293.5/22

+ sign 35.885+/-0.139 χ^2/NDF: 4823.7/42

All: 35.653+/-0.099 χ^2/NDF: 8063.9/86

- sign 35.409+/-0.142 χ^2/NDF: 3234.5/43

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -47.258+/-0.375 χ^2/NDF: 1605.1/17

Left Out: -28.891+/-0.193 χ^2/NDF:11798.4/24

Right Out: -47.457+/-0.348 χ^2/NDF: 2344.8/20

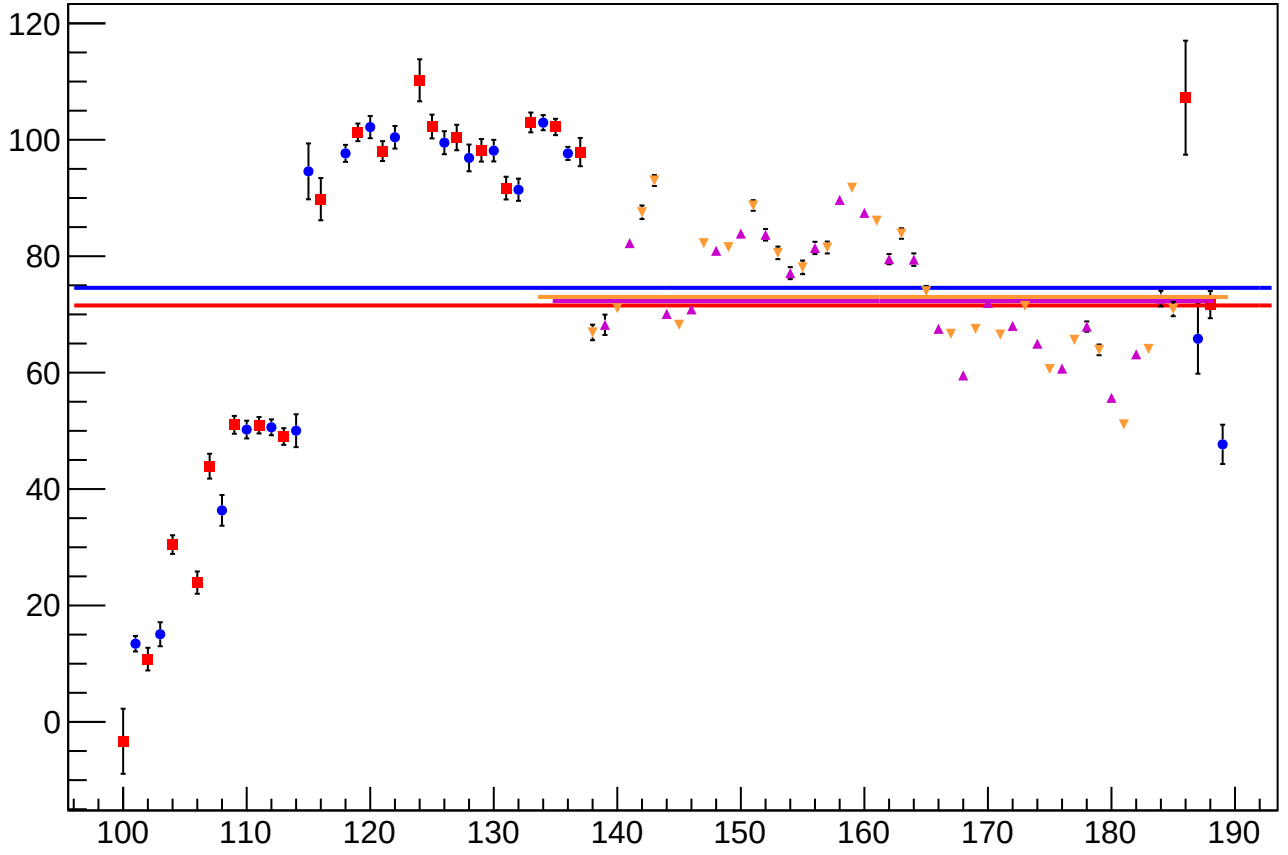
Left In: -28.605+/-0.198 χ^2/NDF:10014.7/22

+ sign -32.738+/-0.171 χ^2/NDF: 15304.9/42

All: -32.977+/-0.121 χ^2/NDF: 29891.4/86

- sign -33.217+/-0.172 χ^2/NDF: 14582.6/43

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 74.567+/-0.423 χ^2/NDF: 5895.1/17

Left Out: 73.002+/-0.168 χ^2/NDF:4052.4/24

Right Out: 71.541+/-0.418 χ^2/NDF: 5641.5/20

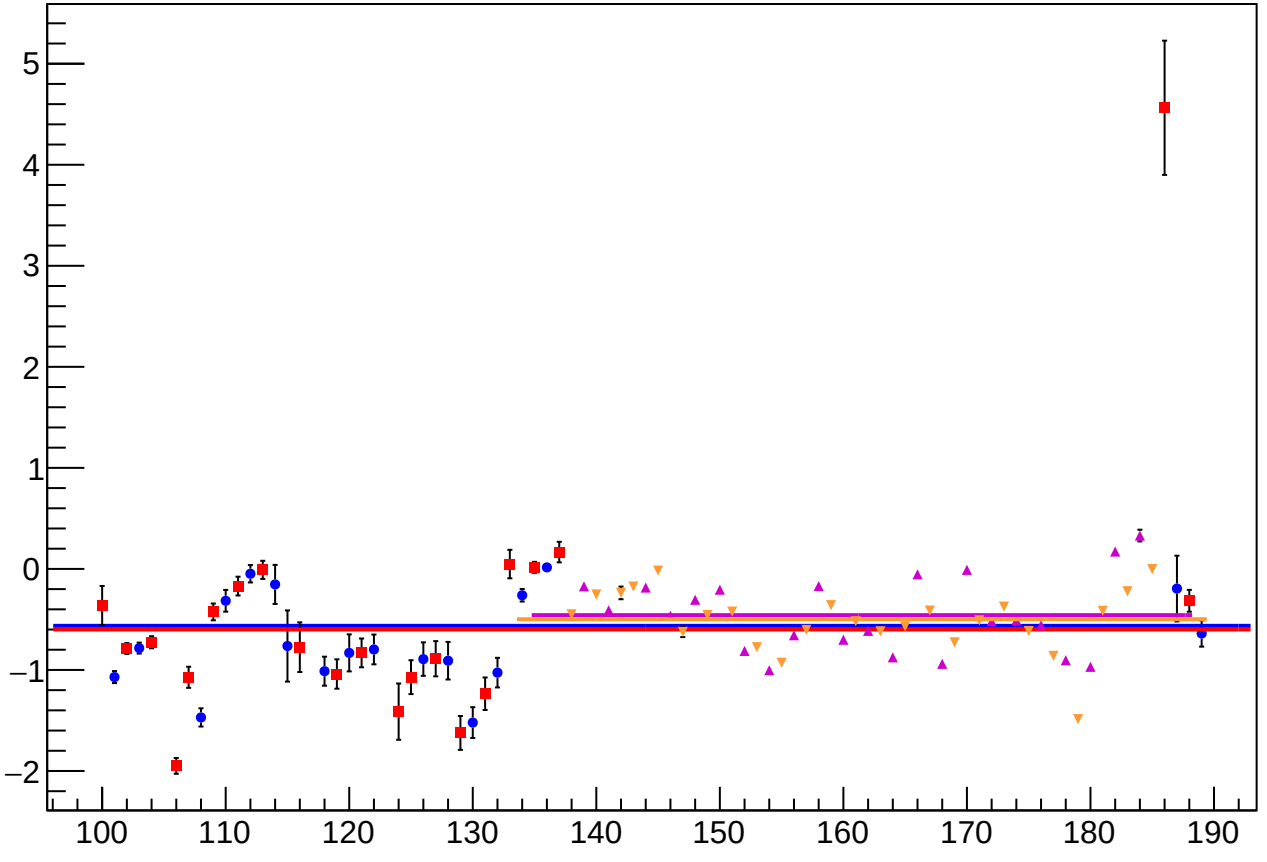
Left In: 72.302+/-0.173 χ^2/NDF:2912.6/22

+ sign 73.216+/-0.157 χ^2/NDF: 9959.3/42

All: 72.715+/-0.112 χ^2/NDF: 18537.1/86

- sign 72.191+/-0.160 χ^2/NDF: 8556.9/43

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.563+/-0.022 χ^2/NDF: 494.6/17

Left Out: -0.498+/-0.008 χ^2/NDF:1482.9/24

Right Out: -0.599+/-0.022 χ^2/NDF: 758.0/20

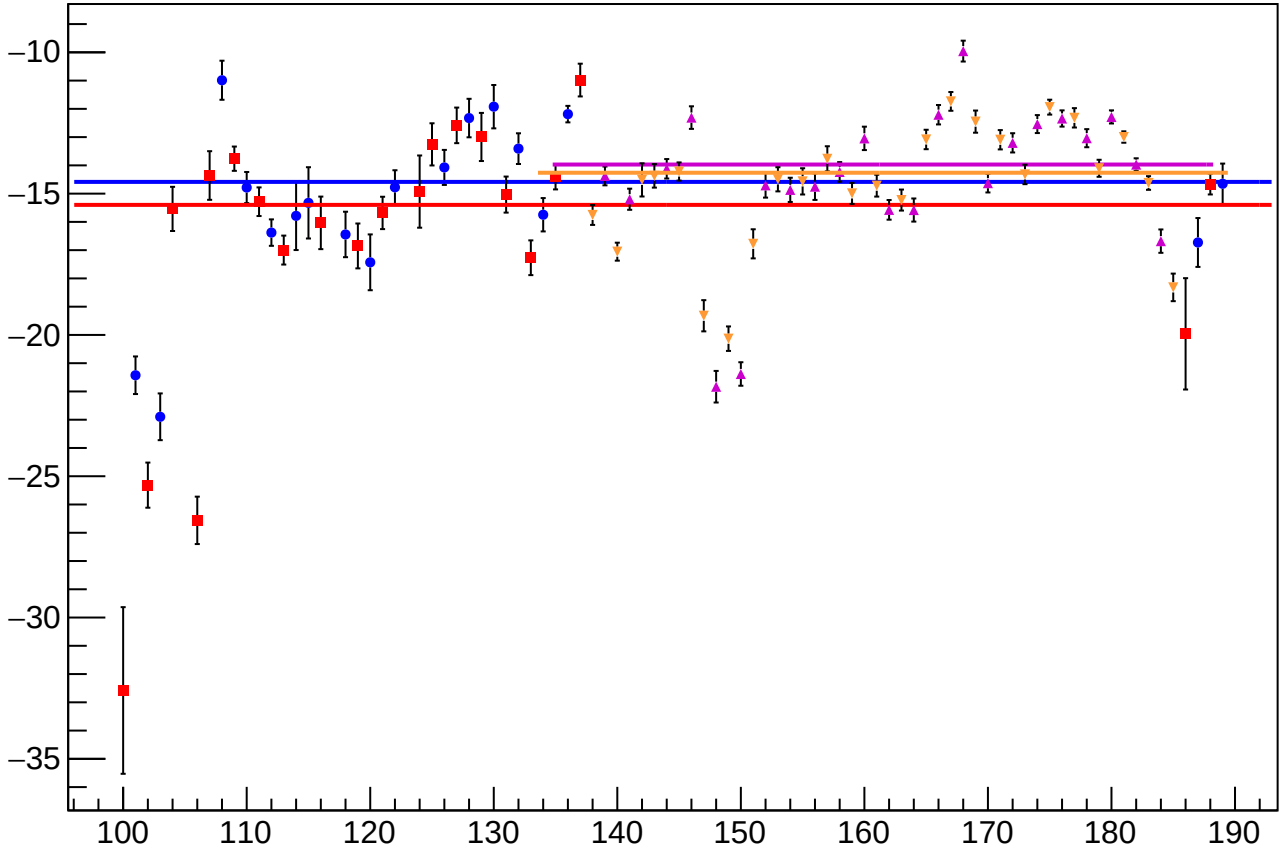
Left In: -0.458+/-0.008 χ^2/NDF:2103.1/22

+ sign -0.505+/-0.007 χ^2/NDF: 1985.5/42

All: -0.489+/-0.005 χ^2/NDF: 4894.3/86

- sign -0.473+/-0.007 χ^2/NDF: 2899.0/43

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -14.585+/-0.144 χ^2/NDF: 369.7/17

Left Out: -14.261+/-0.070 χ^2/NDF:724.0/24

Right Out: -15.398+/-0.139 χ^2/NDF: 513.6/20

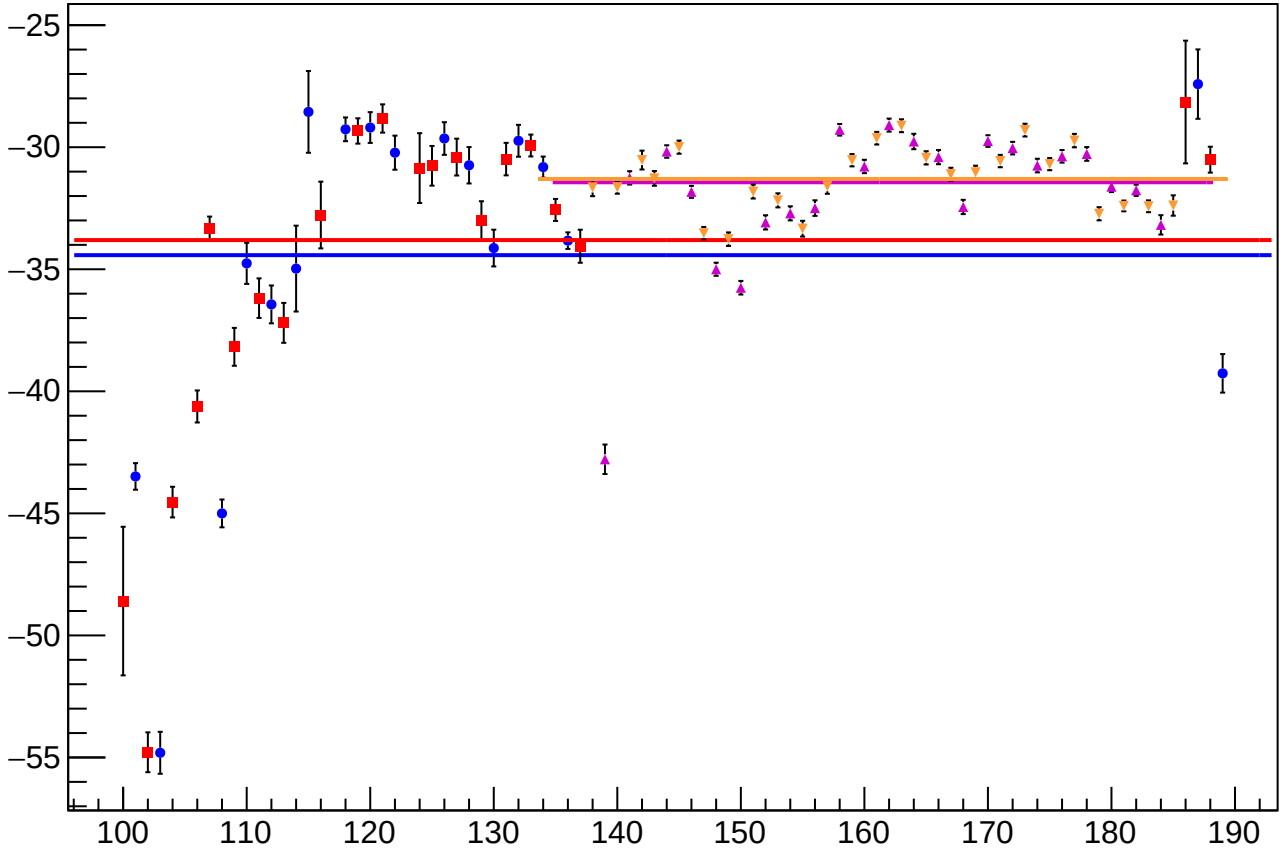
Left In: -13.970+/-0.072 χ^2/NDF:907.7/22

+ sign -14.322+/-0.063 χ^2/NDF: 1097.8/42

All: -14.298+/-0.045 χ^2/NDF: 2603.2/86

- sign -14.273+/-0.064 χ^2/NDF: 1505.1/43

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -34.422+/-0.150 χ^2/NDF: 1682.9/17

Left Out: -31.301+/-0.055 χ^2/NDF:553.1/24

Right Out: -33.804+/-0.148 χ^2/NDF: 1482.2/20

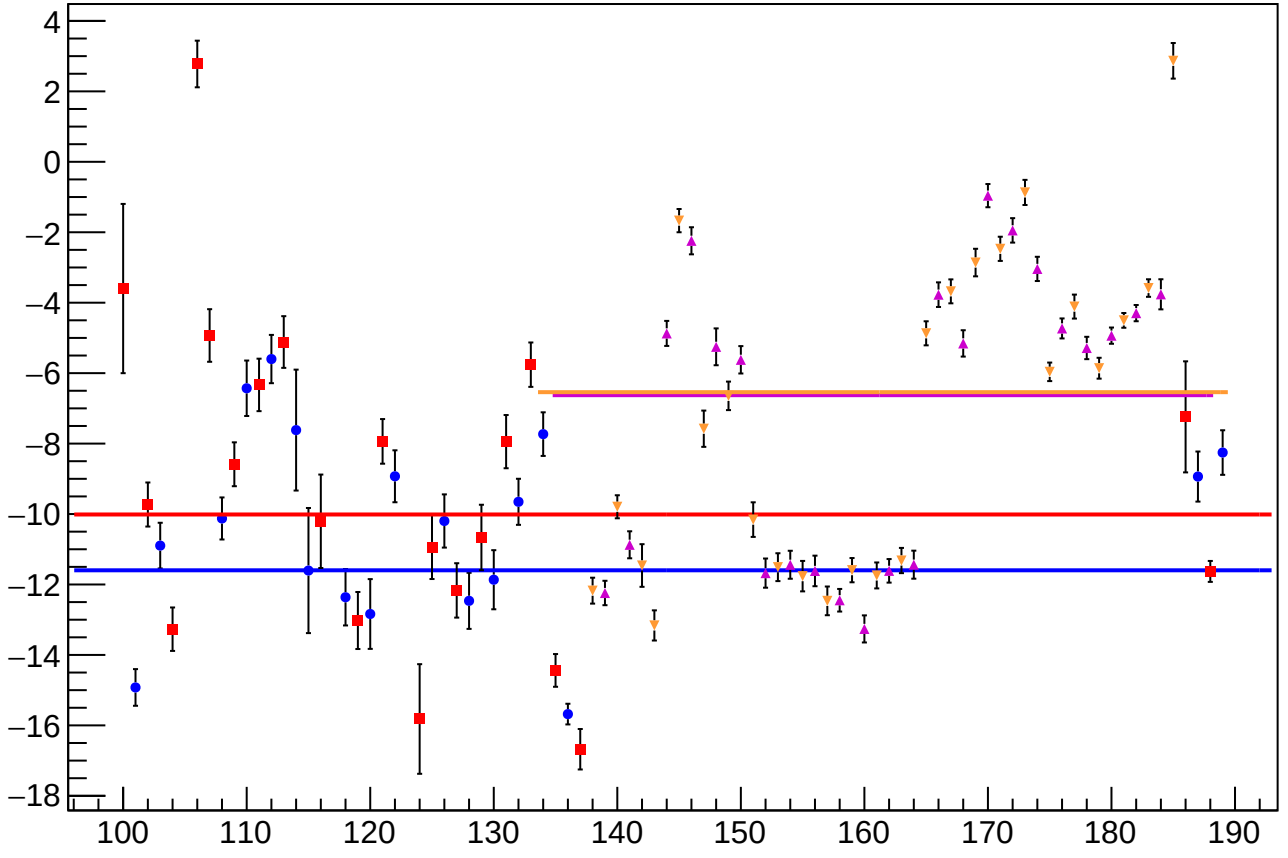
Left In: -31.436+/-0.057 χ^2/NDF:1214.8/22

+ sign -31.675+/-0.052 χ^2/NDF: 2619.0/42

All: -31.709+/-0.037 χ^2/NDF: 5540.2/86

- sign -31.746+/-0.053 χ^2/NDF: 2920.3/43

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: -11.597+/-0.152 χ^2/NDF: 476.7/17

Left Out: -6.540+/-0.070 χ^2/NDF:3242.5/24

Right Out: -10.013+/-0.144 χ^2/NDF: 887.9/20

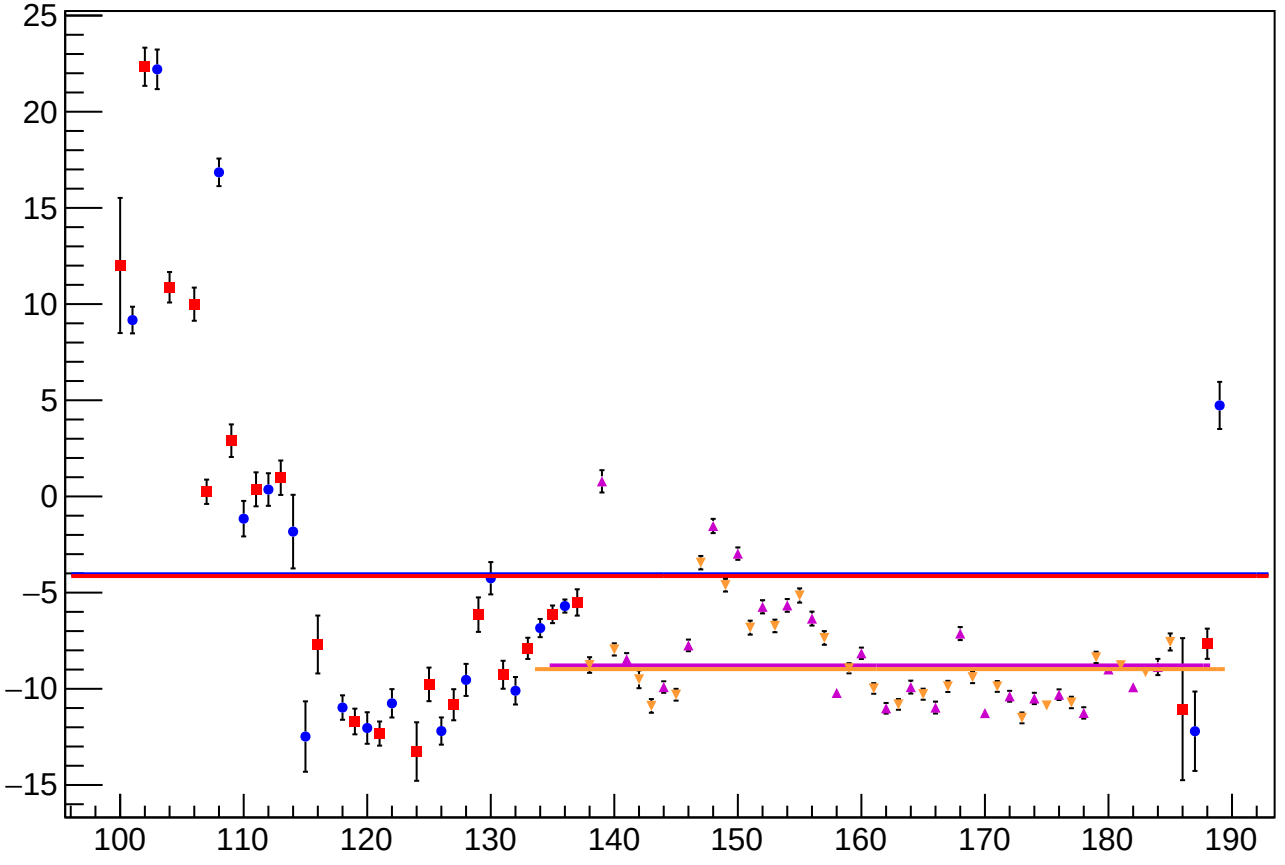
Left In: -6.625+/-0.071 χ^2/NDF:2908.0/22

+ sign -7.418+/-0.063 χ^2/NDF: 4638.1/42

All: -7.358+/-0.045 χ^2/NDF: 8881.0/86

- sign -7.296+/-0.064 χ^2/NDF: 4241.1/43

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -4.046+/-0.170 χ^2/NDF: 2592.4/17

Left Out: -8.977+/-0.061 χ^2/NDF:972.0/24

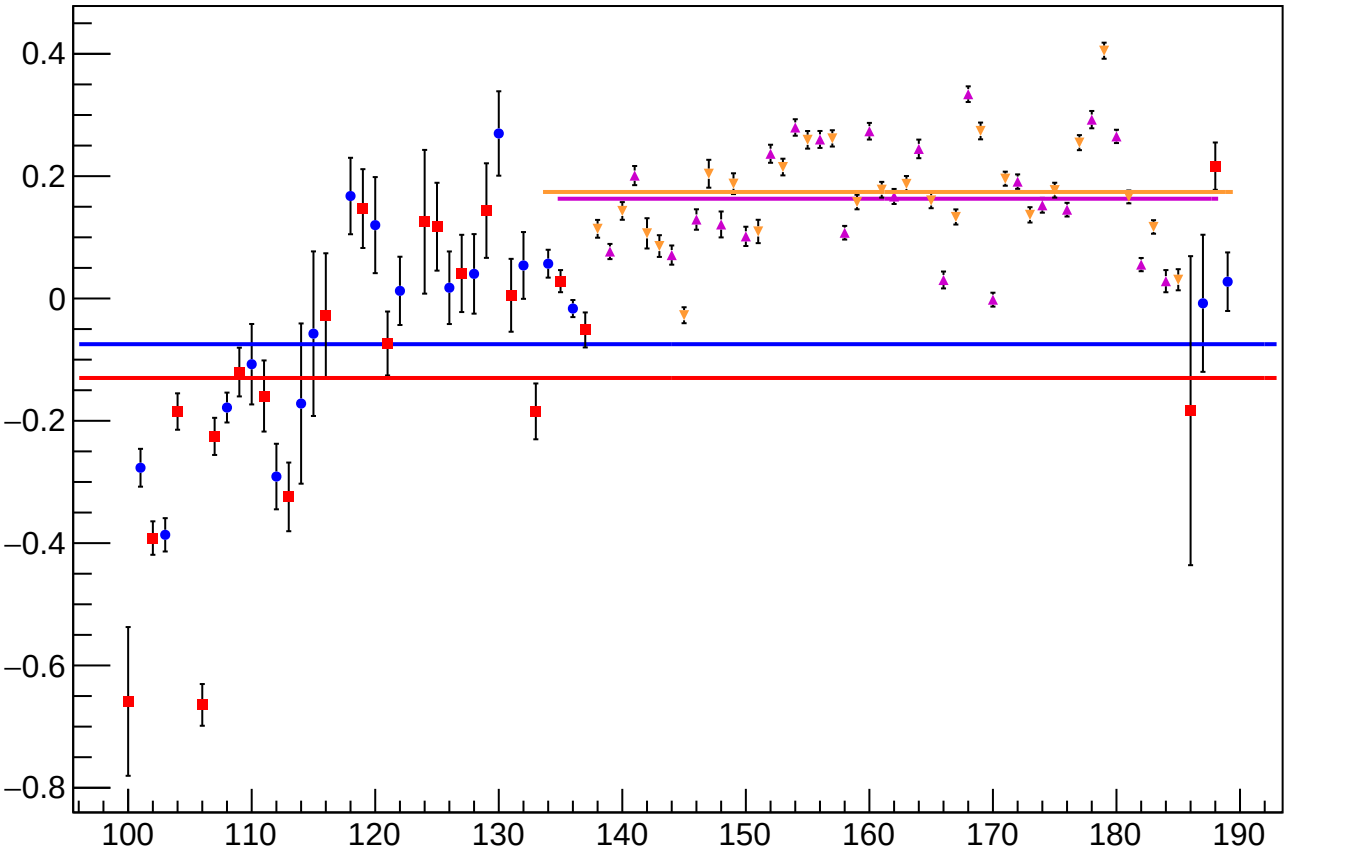
Right Out: -4.139+/-0.172 χ^2/NDF: 2134.9/20

Left In: -8.785+/-0.063 χ^2/NDF:1685.0/22

+ sign -8.406+/-0.058 χ^2/NDF: 4310.8/42

All: -8.319+/-0.041 χ^2/NDF: 8780.5/86

- sign -8.227+/-0.059 χ^2/NDF: 4465.1/43



Right In: -0.075+/-0.008 χ^2/NDF: 323.9/17

Left Out: 0.174+/-0.003 χ^2/NDF:922.9/24

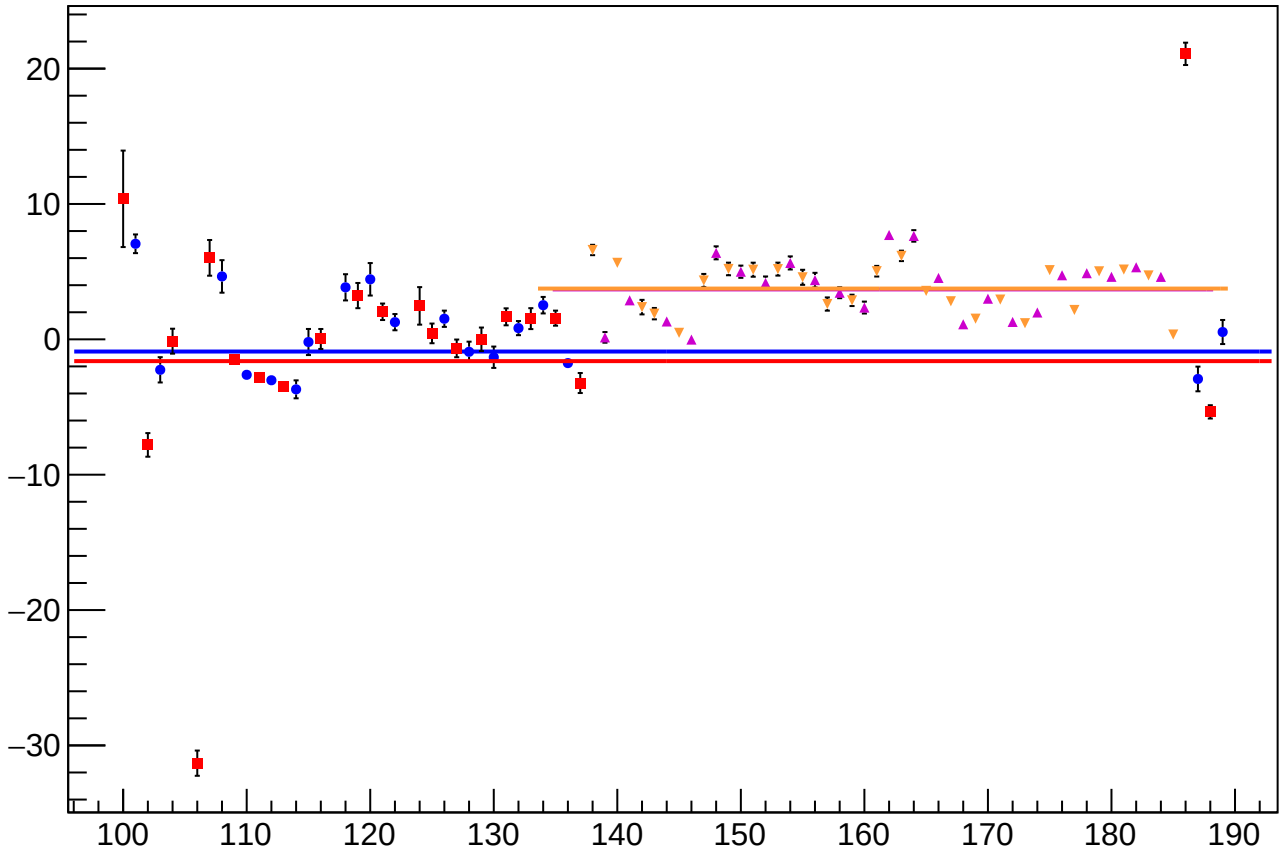
Right Out: -0.130+/-0.009 χ^2/NDF: 609.4/20

Left In: 0.163+/-0.003 χ^2/NDF:1195.1/22

+ sign 0.151+/-0.003 χ^2/NDF: 2039.1/42

All: 0.144+/-0.002 χ^2/NDF: 4860.4/86

- sign 0.137+/-0.003 χ^2/NDF: 2807.4/43



Right In: -0.901+/-0.134 χ^2/NDF: 387.8/17

Left Out: 3.750+/-0.062 χ^2/NDF:809.8/24

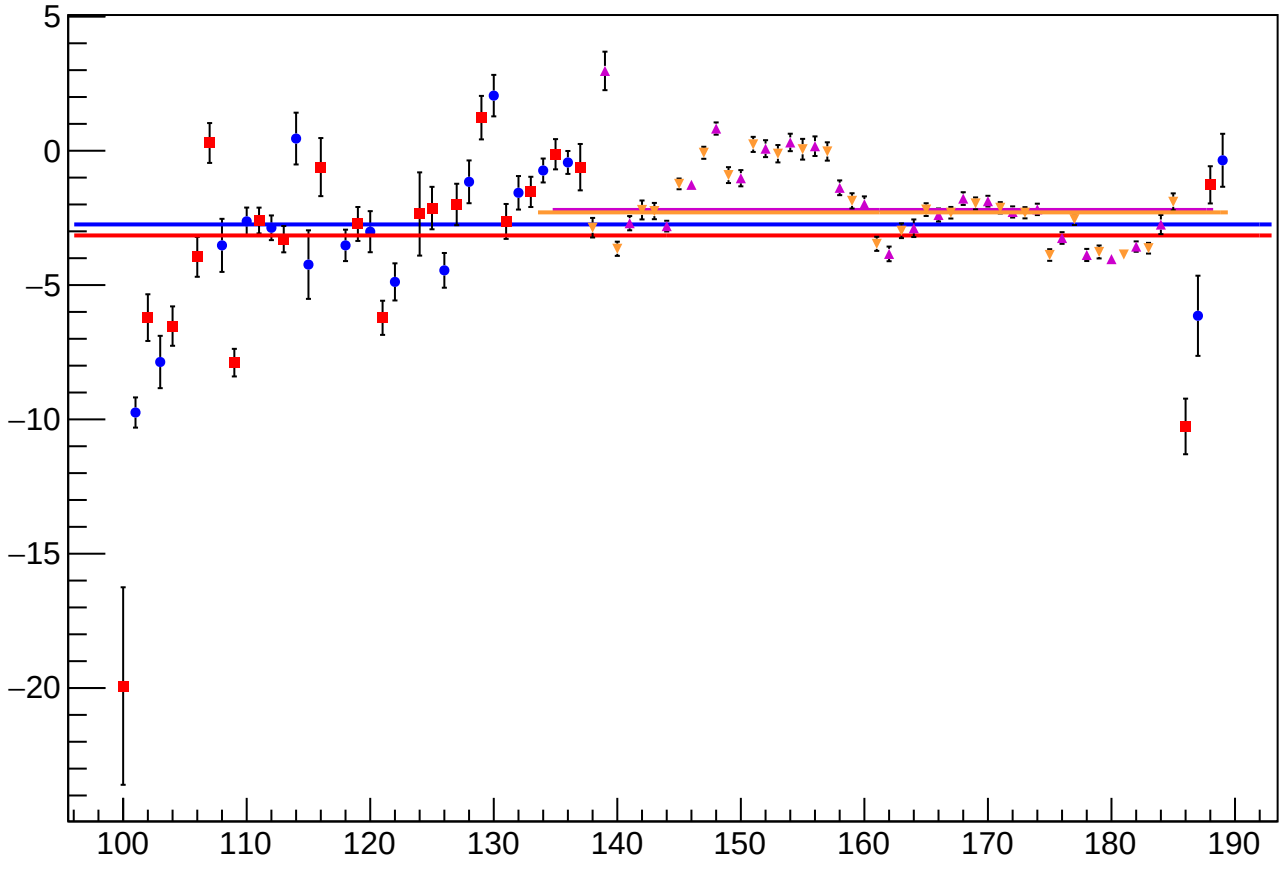
Right Out: -1.610+/-0.123 χ^2/NDF: 2151.4/20

Left In: 3.688+/-0.064 χ^2/NDF:953.3/22

+ sign 2.926+/-0.056 χ^2/NDF: 2195.3/42

All: 2.744+/-0.040 χ^2/NDF: 6785.7/86

- sign 2.559+/-0.057 χ^2/NDF: 4569.2/43



Right In: -2.743+/-0.153 χ^2/NDF: 321.2/17

Left Out: -2.294+/-0.050 χ^2/NDF:631.5/24

Right Out: -3.153+/-0.152 χ^2/NDF: 327.2/20

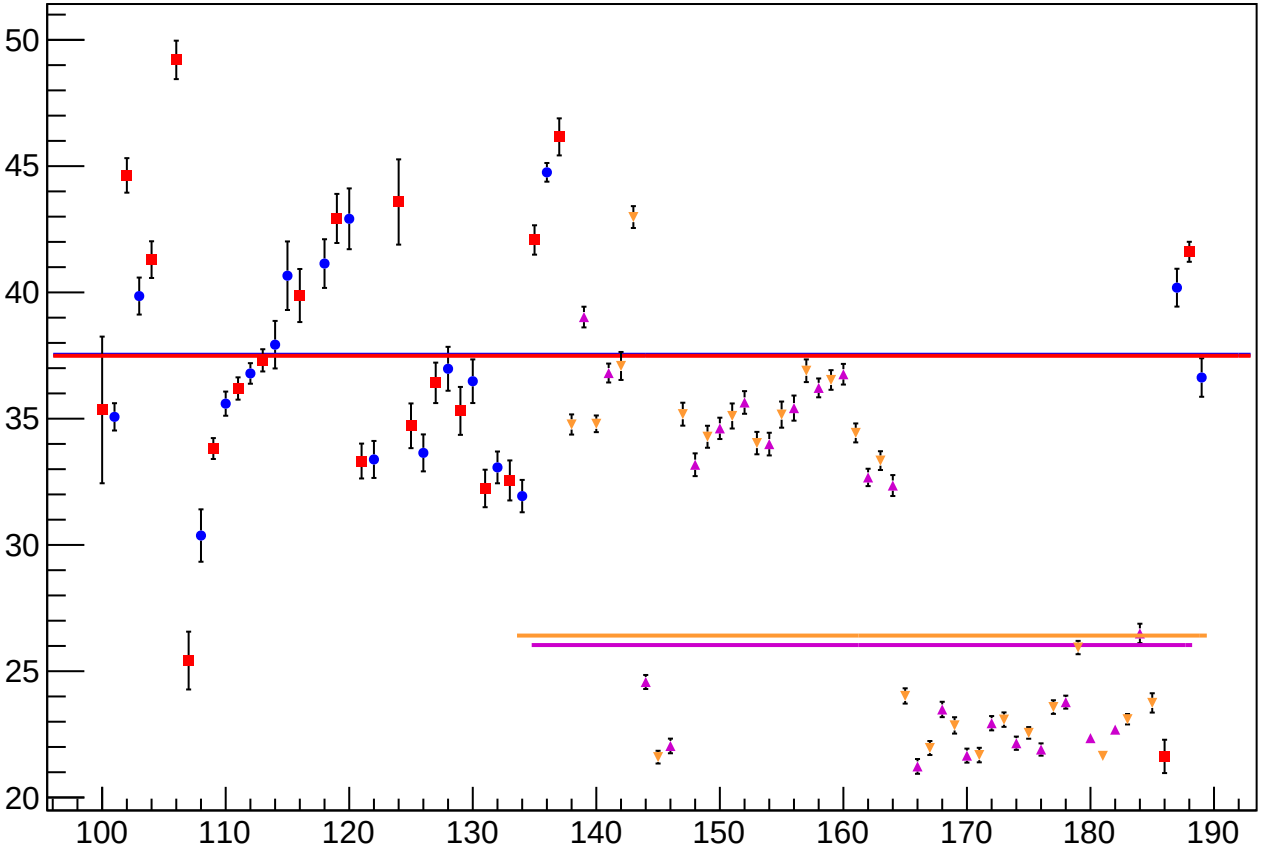
Left In: -2.204+/-0.051 χ^2/NDF:724.7/22

+ sign -2.337+/-0.047 χ^2/NDF: 960.4/42

All: -2.318+/-0.034 χ^2/NDF: 2047.7/86

- sign -2.299+/-0.048 χ^2/NDF: 1087.0/43

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 37.531+/-0.154 χ^2/NDF: 721.2/17

Left Out: 26.411+/-0.062 χ^2/NDF:9222.2/24

Right Out: 37.490+/-0.144 χ^2/NDF: 1652.3/20

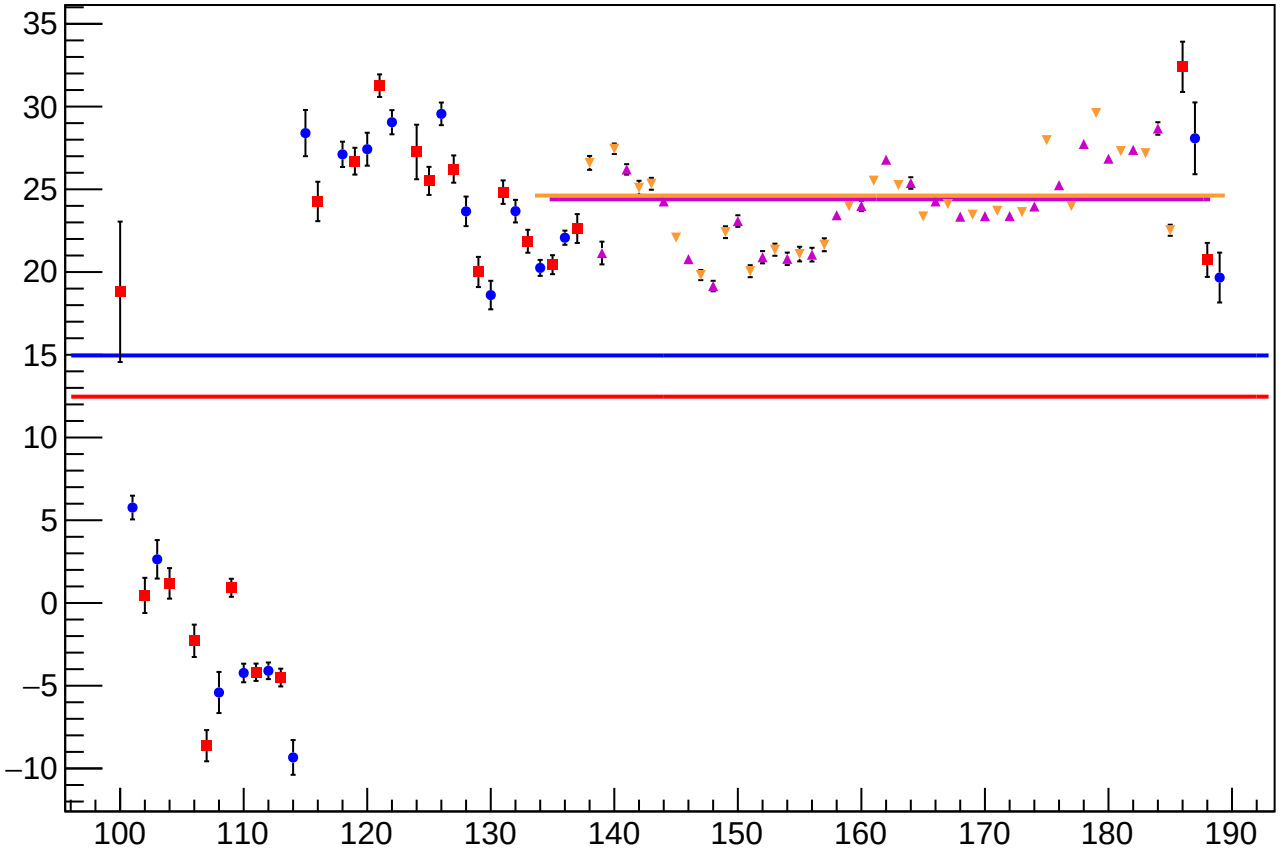
Left In: 26.036+/-0.064 χ^2/NDF:7842.9/22

+ sign 27.975+/-0.058 χ^2/NDF: 14428.5/42

All: 27.944+/-0.041 χ^2/NDF: 29193.2/86

- sign 27.913+/-0.058 χ^2/NDF: 14764.1/43

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 14.959+/-0.172 χ^2/NDF: 5733.4/17

Left Out: 24.624+/-0.055 χ^2/NDF:1950.7/24

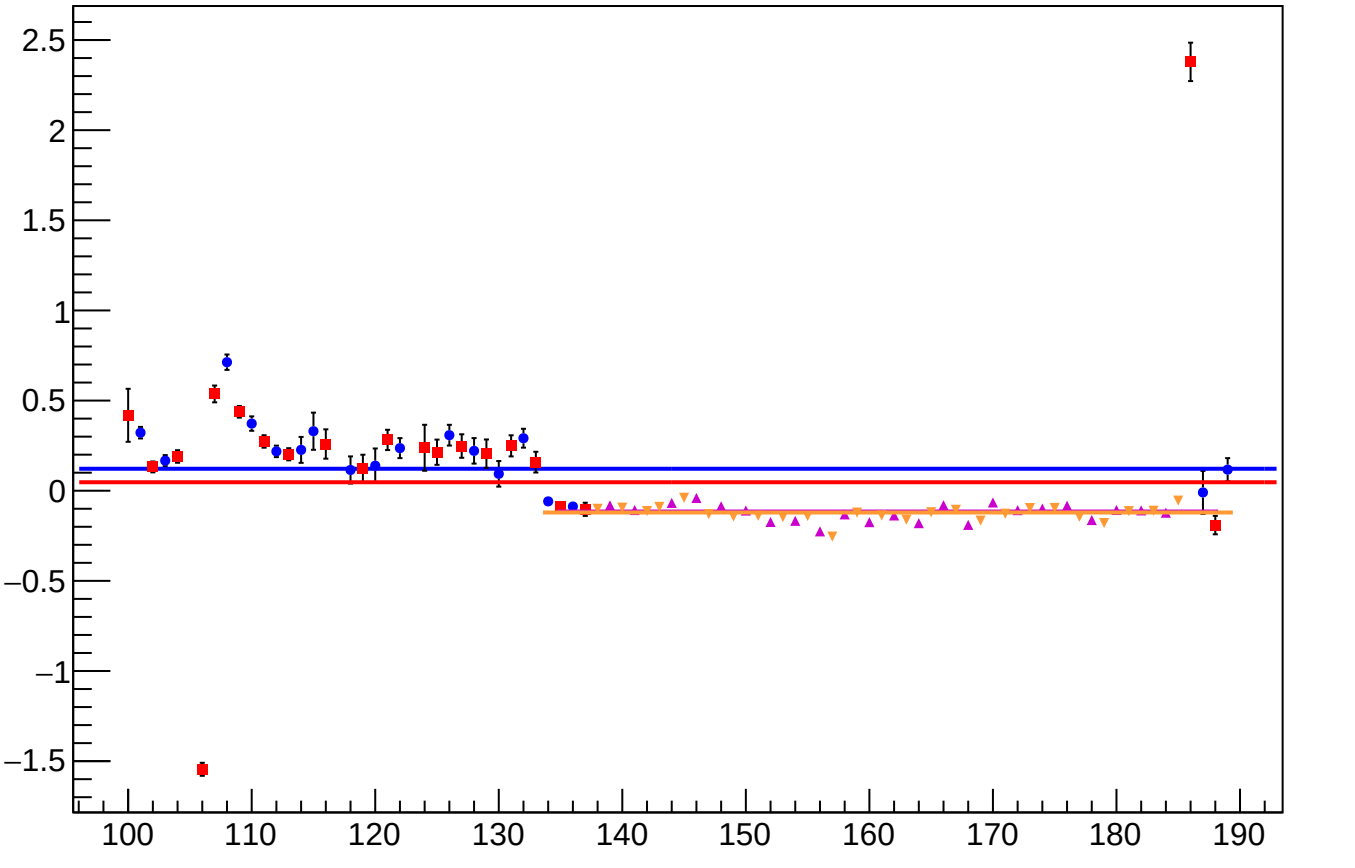
Right Out: 12.469+/-0.173 χ^2/NDF: 6350.5/20

Left In: 24.397+/-0.056 χ^2/NDF:1715.6/22

+ sign 23.724+/-0.053 χ^2/NDF: 10541.6/42

All: 23.493+/-0.038 χ^2/NDF: 22937.9/86

- sign 23.251+/-0.054 χ^2/NDF: 12356.6/43



Right In: 0.122+/-0.009 χ^2/NDF: 521.2/17

Left Out: -0.121+/-0.002 χ^2/NDF:262.9/24

Right Out: 0.047+/-0.010 χ^2/NDF: 2916.7/20

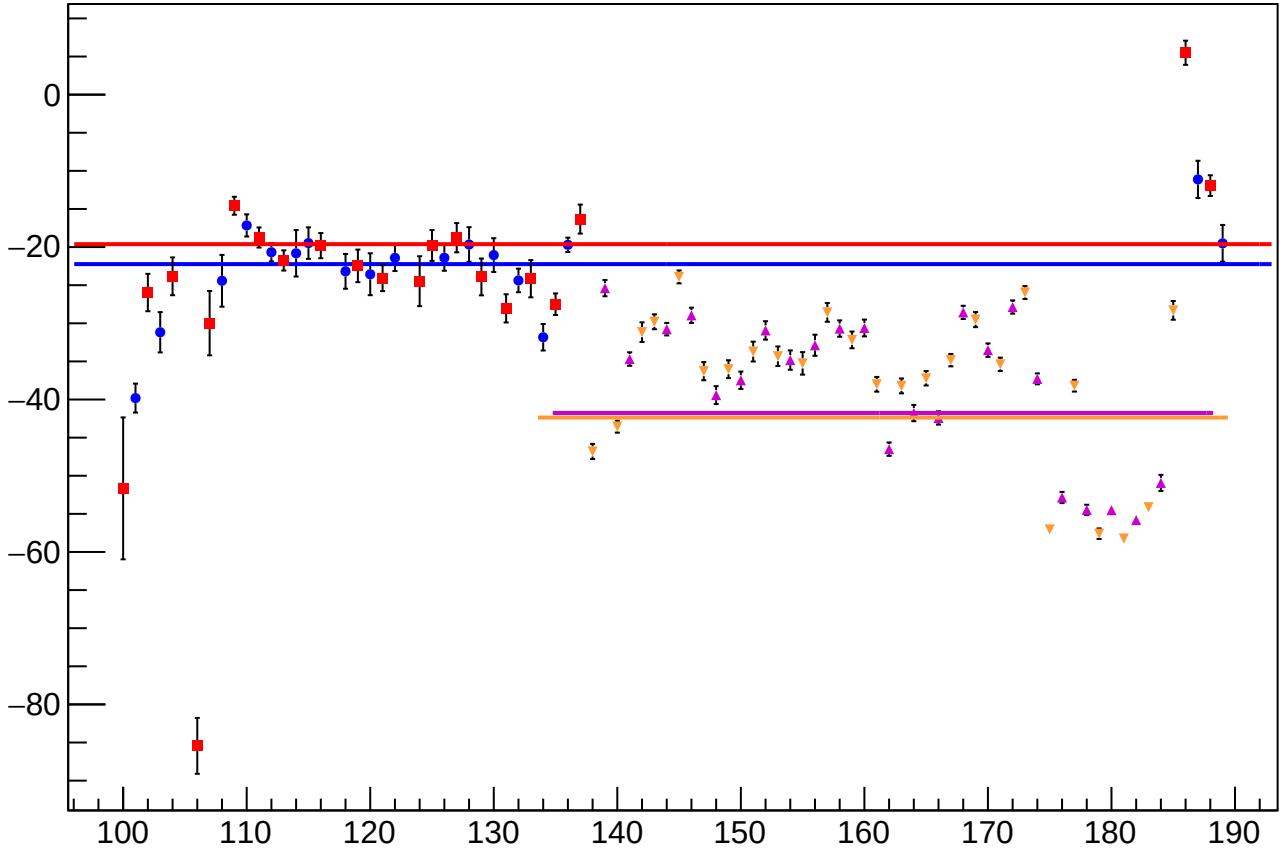
Left In: -0.115+/-0.003 χ^2/NDF:290.7/22

\+ sign -0.105+/-0.002 χ^2/NDF: 1422.6/42

All: -0.105+/-0.002 χ^2/NDF: 4899.8/86

\- sign -0.105+/-0.002 χ^2/NDF: 3477.2/43

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -22.234+/-0.421 χ^2/NDF: 177.5/17

Left Out: -42.366+/-0.175 χ^2/NDF:4477.3/24

Right Out: -19.616+/-0.401 χ^2/NDF: 726.1/20

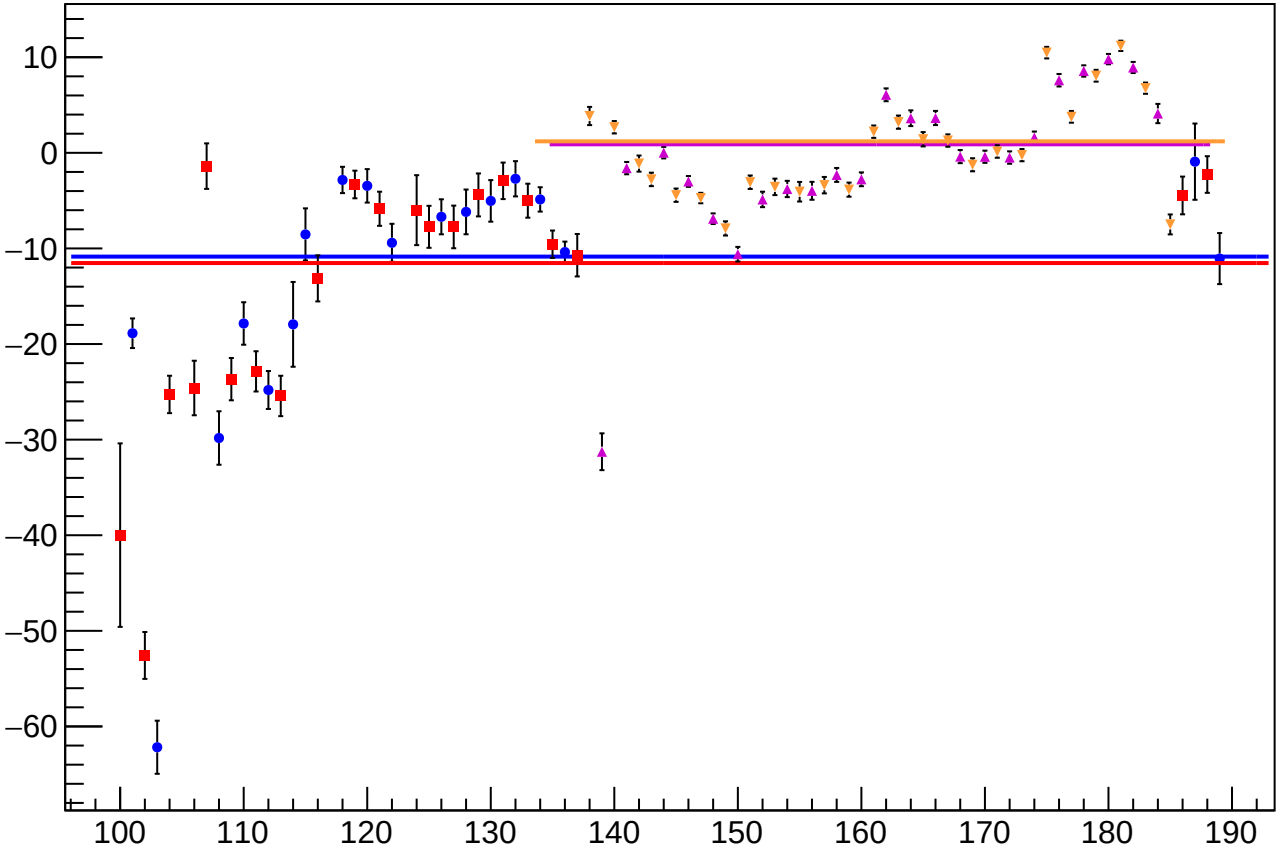
Left In: -41.764+/-0.182 χ^2/NDF:3459.2/22

+ sign -39.397+/-0.162 χ^2/NDF: 6601.8/42

All: -38.710+/-0.116 χ^2/NDF: 13355.0/86

- sign -37.990+/-0.166 χ^2/NDF: 6716.3/43

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -10.856+/-0.444 χ^2/NDF: 593.6/17

Left Out: 1.203+/-0.138 χ^2/NDF:1463.6/24

Right Out: -11.529+/-0.454 χ^2/NDF: 612.9/20

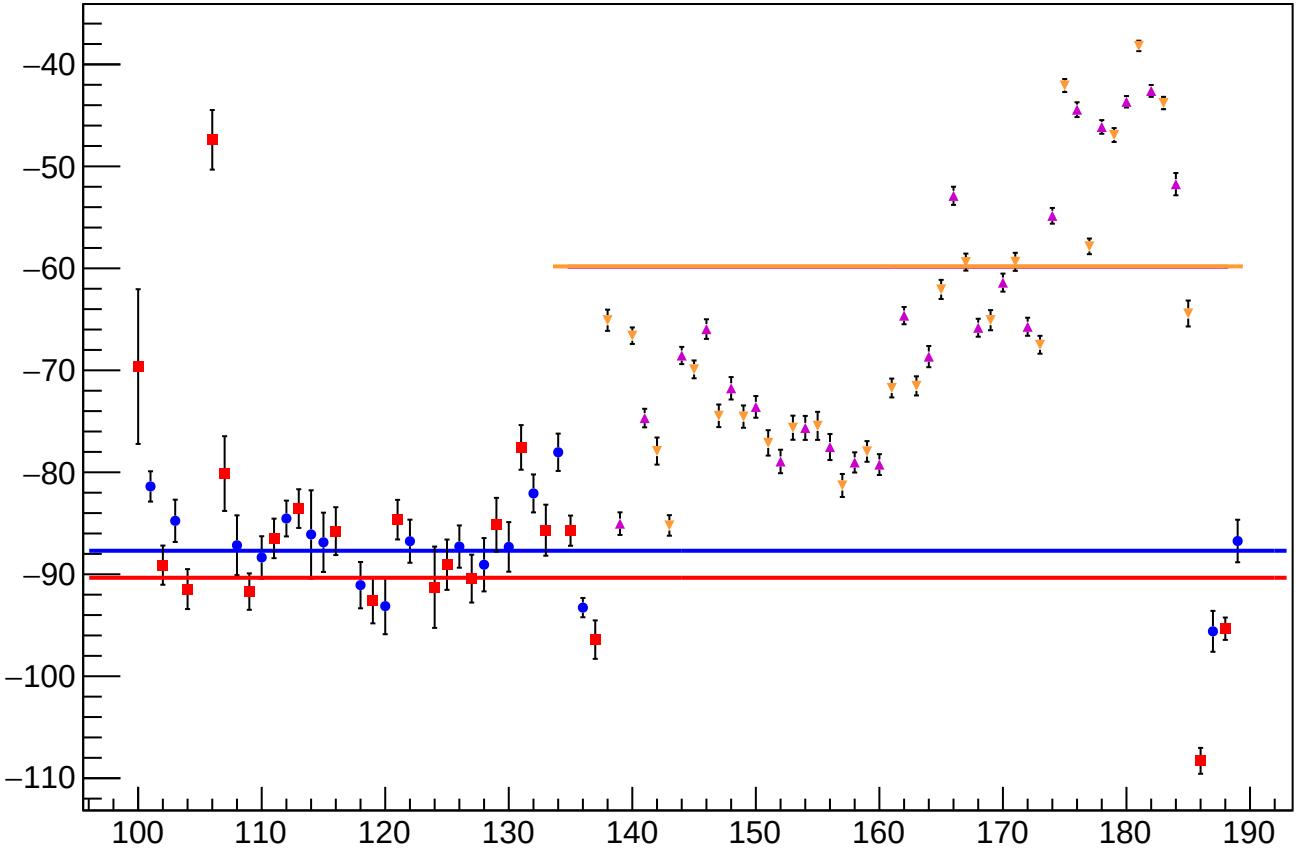
Left In: 0.889+/-0.143 χ^2/NDF:1763.7/22

+ sign 0.139+/-0.132 χ^2/NDF: 2729.2/42

All: -0.039+/-0.095 χ^2/NDF: 5790.1/86

- sign -0.230+/-0.136 χ^2/NDF: 3057.0/43

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -87.693+/-0.456 χ^2/NDF: 117.6/17

Left Out: -59.809+/-0.175 χ^2/NDF:6645.1/24

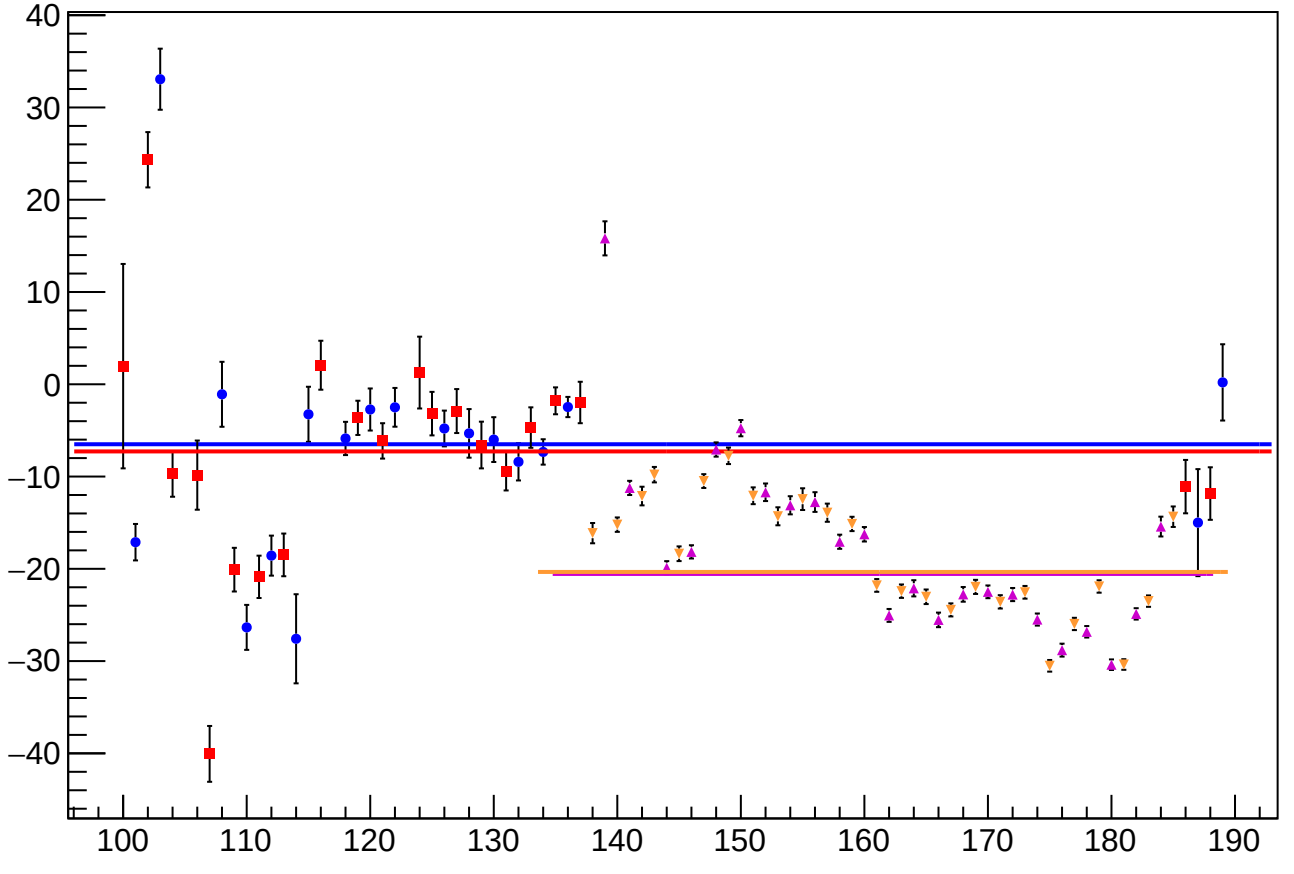
Right Out: -90.343+/-0.432 χ^2/NDF: 545.0/20

Left In: -59.846+/-0.181 χ^2/NDF:5534.1/22

+ sign -63.399+/-0.164 χ^2/NDF: 10019.9/42

All: -63.891+/-0.117 χ^2/NDF: 20357.2/86

- sign -64.404+/-0.167 χ^2/NDF: 10318.8/43



Right In: -6.499+/-0.502 χ^2/NDF: 318.7/17

Left Out: -20.339+/-0.155 χ^2/NDF:1701.1/24

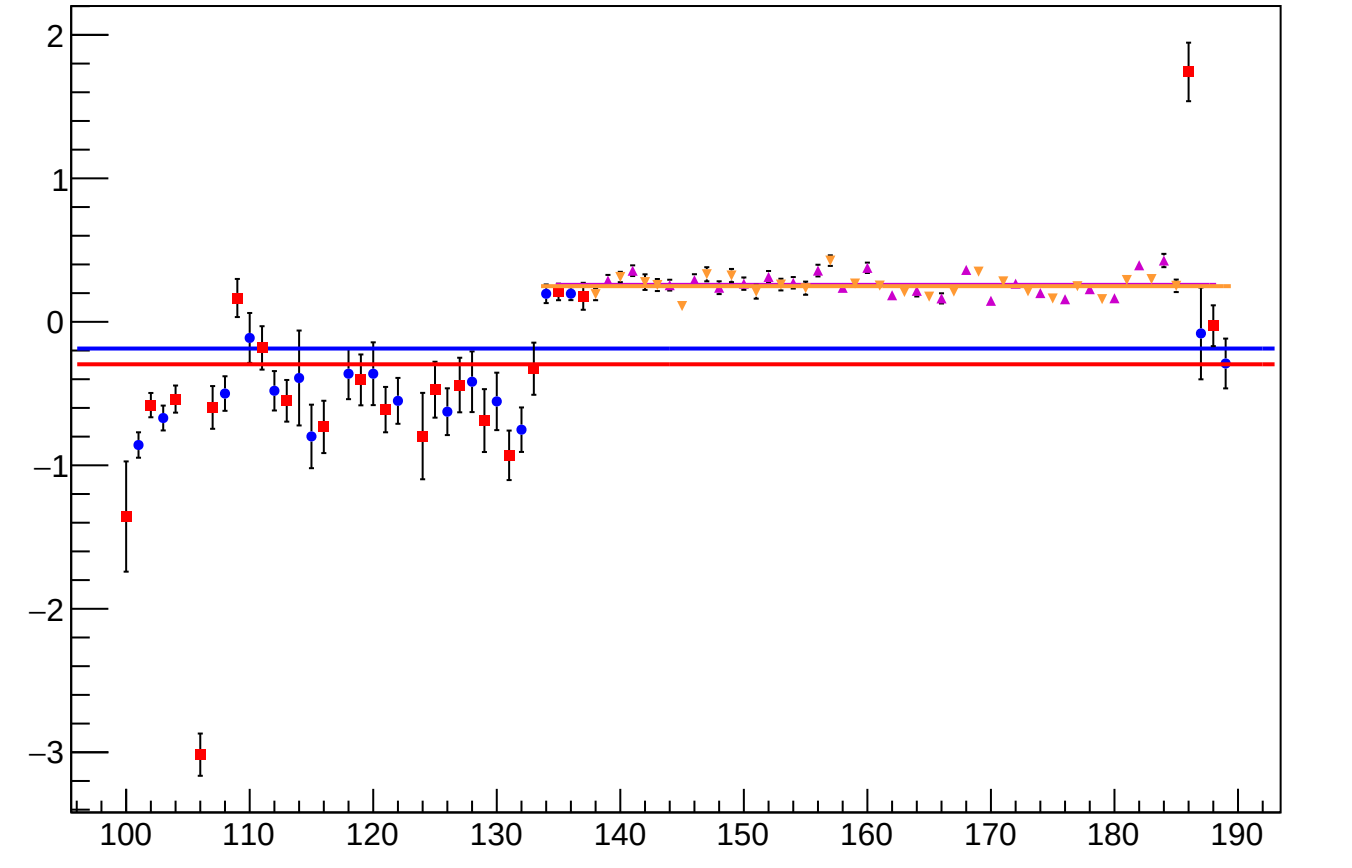
Right Out: -7.278+/-0.523 χ^2/NDF: 372.9/20

Left In: -20.555+/-0.160 χ^2/NDF:2193.8/22

\+ sign -19.141+/-0.148 χ^2/NDF: 2713.5/42

All: -19.279+/-0.106 χ^2/NDF: 5870.9/86

\- sign -19.426+/-0.153 χ^2/NDF: 3155.6/43



Right In: -0.186+/-0.026 χ^2/NDF: 247.8/17

Left Out: 0.249+/-0.007 χ^2/NDF:93.2/24

Right Out: -0.296+/-0.028 χ^2/NDF: 623.2/20

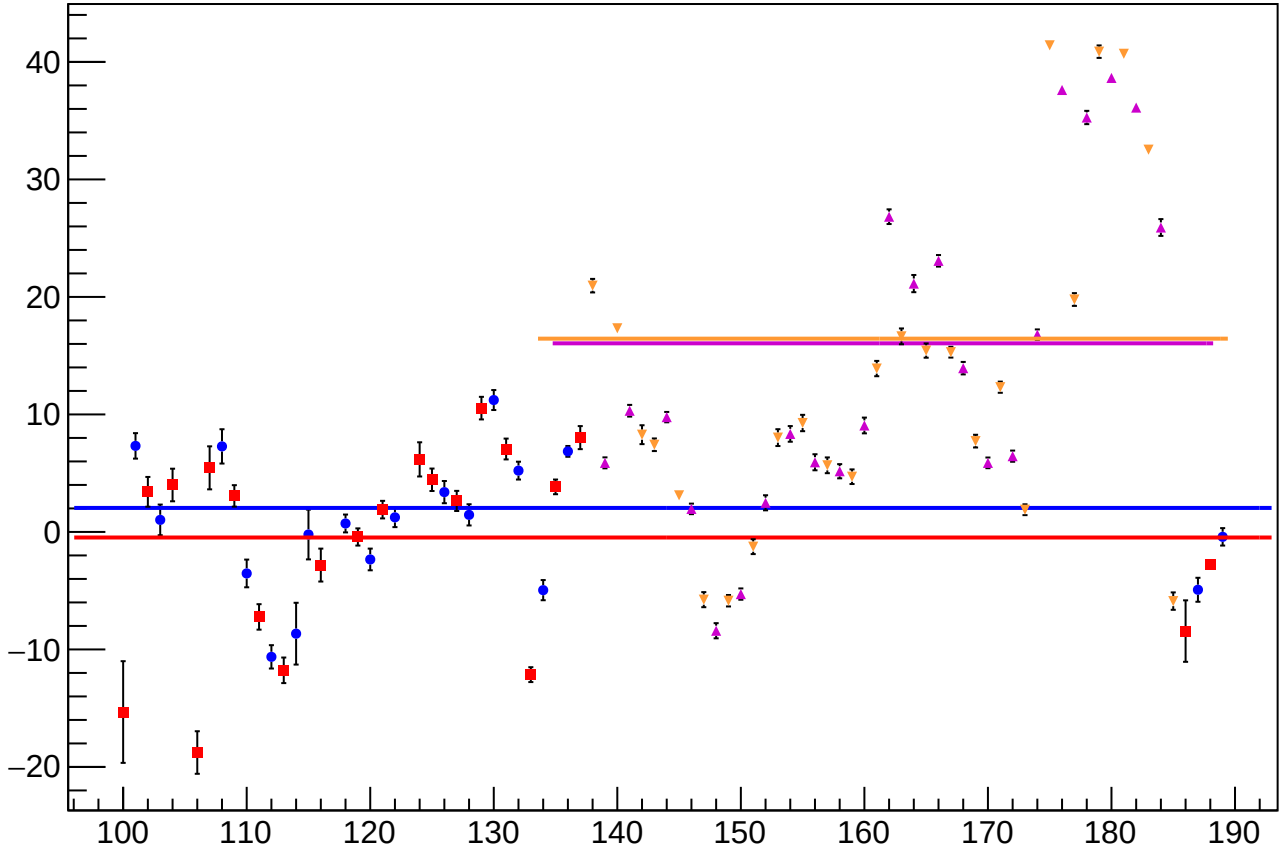
Left In: 0.258+/-0.007 χ^2/NDF:134.3/22

+ sign 0.220+/-0.007 χ^2/NDF: 595.2/42

All: 0.223+/-0.005 χ^2/NDF: 1709.5/86

- sign 0.225+/-0.007 χ^2/NDF: 1114.1/43

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.043+/-0.210 χ^2/NDF: 637.0/17

Left Out: 16.449+/-0.104 χ^2/NDF:21400.3/24

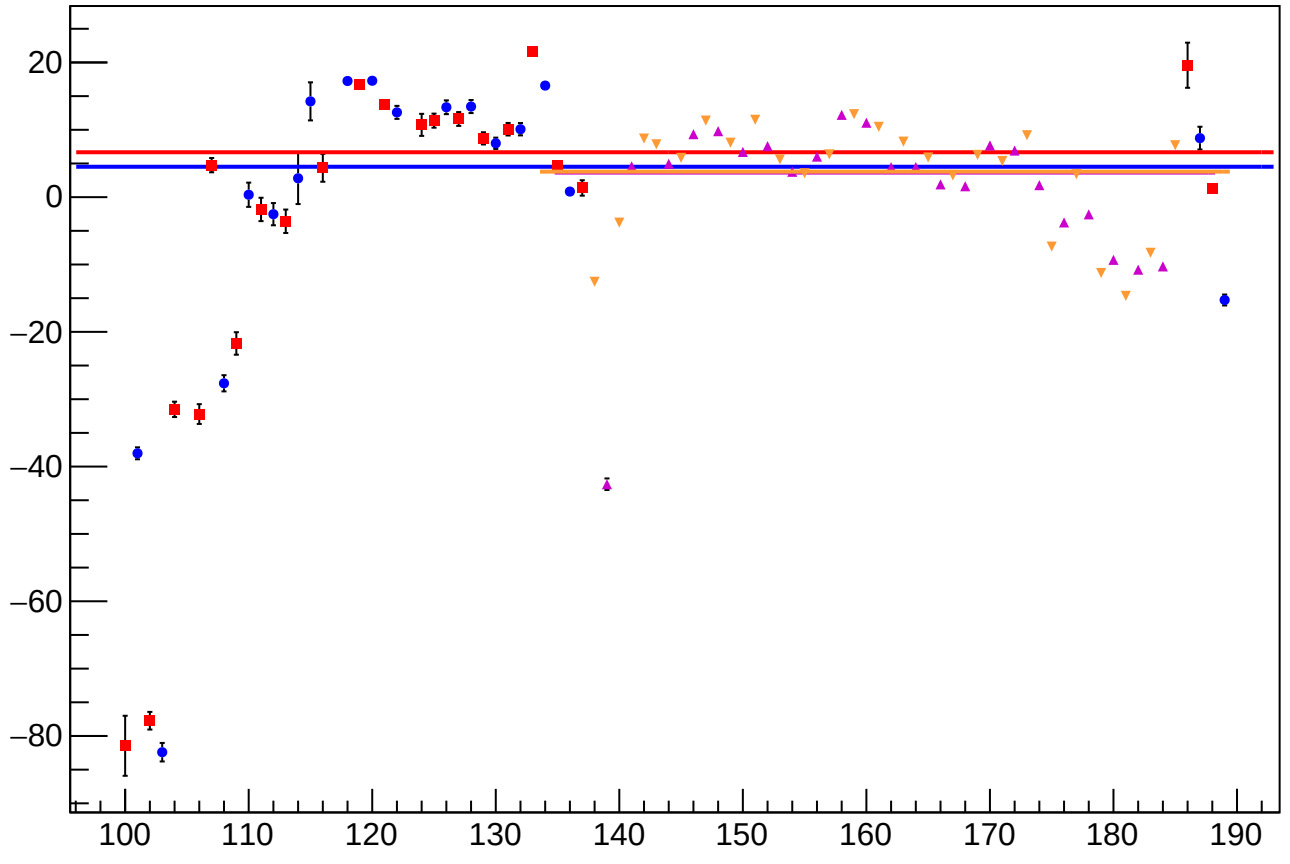
Right Out: -0.474+/-0.191 χ^2/NDF: 1091.3/20

Left In: 16.051+/-0.107 χ^2/NDF:17625.1/22

\+ sign 13.610+/-0.093 χ^2/NDF: 25817.9/42

All: 12.849+/-0.066 χ^2/NDF: 50368.3/86

\- sign 12.084+/-0.093 χ^2/NDF: 24416.8/43



Right In: 4.514+/-0.202 χ^2/NDF: 9568.7/17

Left Out: 3.790+/-0.080 χ^2/NDF:9100.7/24

Right Out: 6.669+/-0.195 χ^2/NDF: 8513.1/20

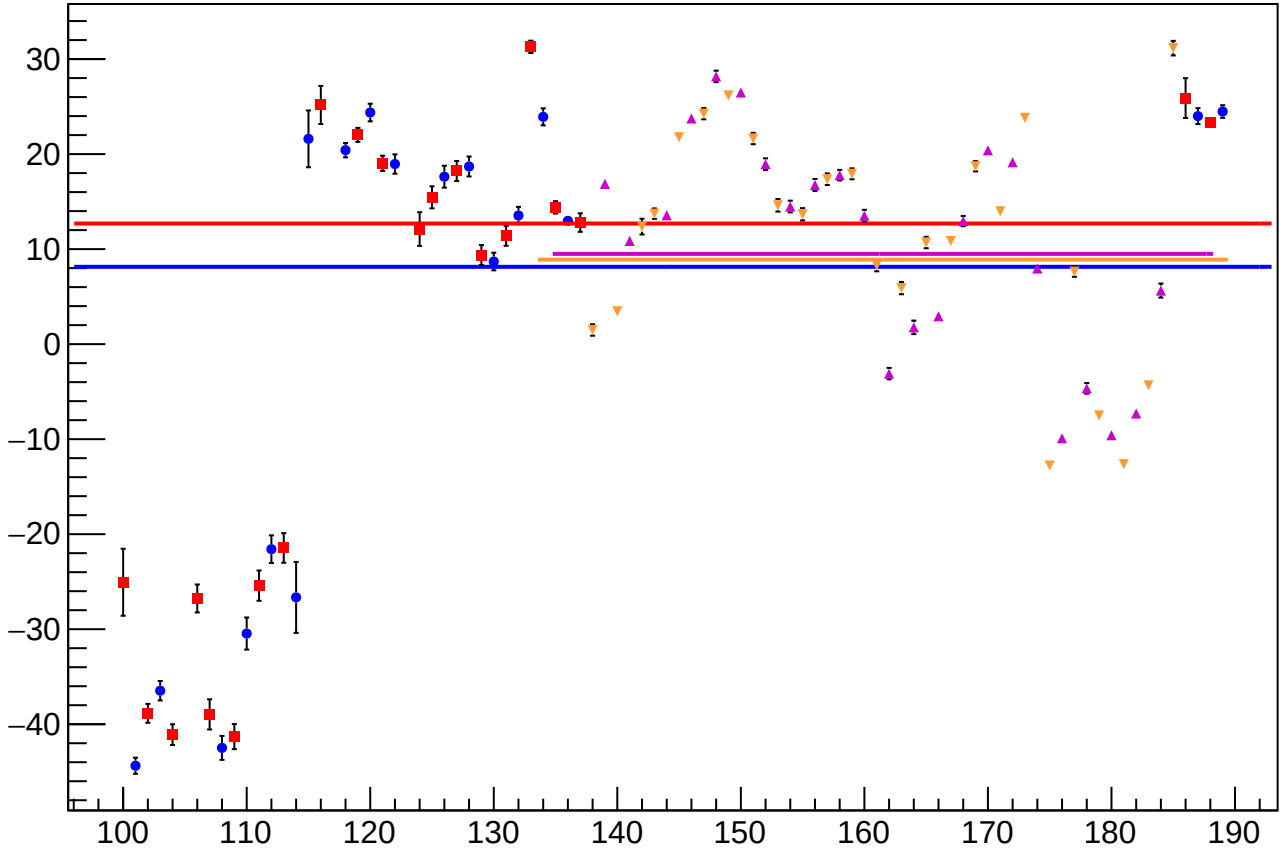
Left In: 3.649+/-0.083 χ^2/NDF:8310.7/22

\+ sign 3.889+/-0.074 χ^2/NDF: 18680.5/42

All: 3.998+/-0.053 χ^2/NDF: 35712.1/86

\- sign 4.112+/-0.076 χ^2/NDF: 17027.1/43

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 8.137+/-0.216 χ^2/NDF: 10653.8/17

Left Out: 8.892+/-0.104 χ^2/NDF:15428.1/24

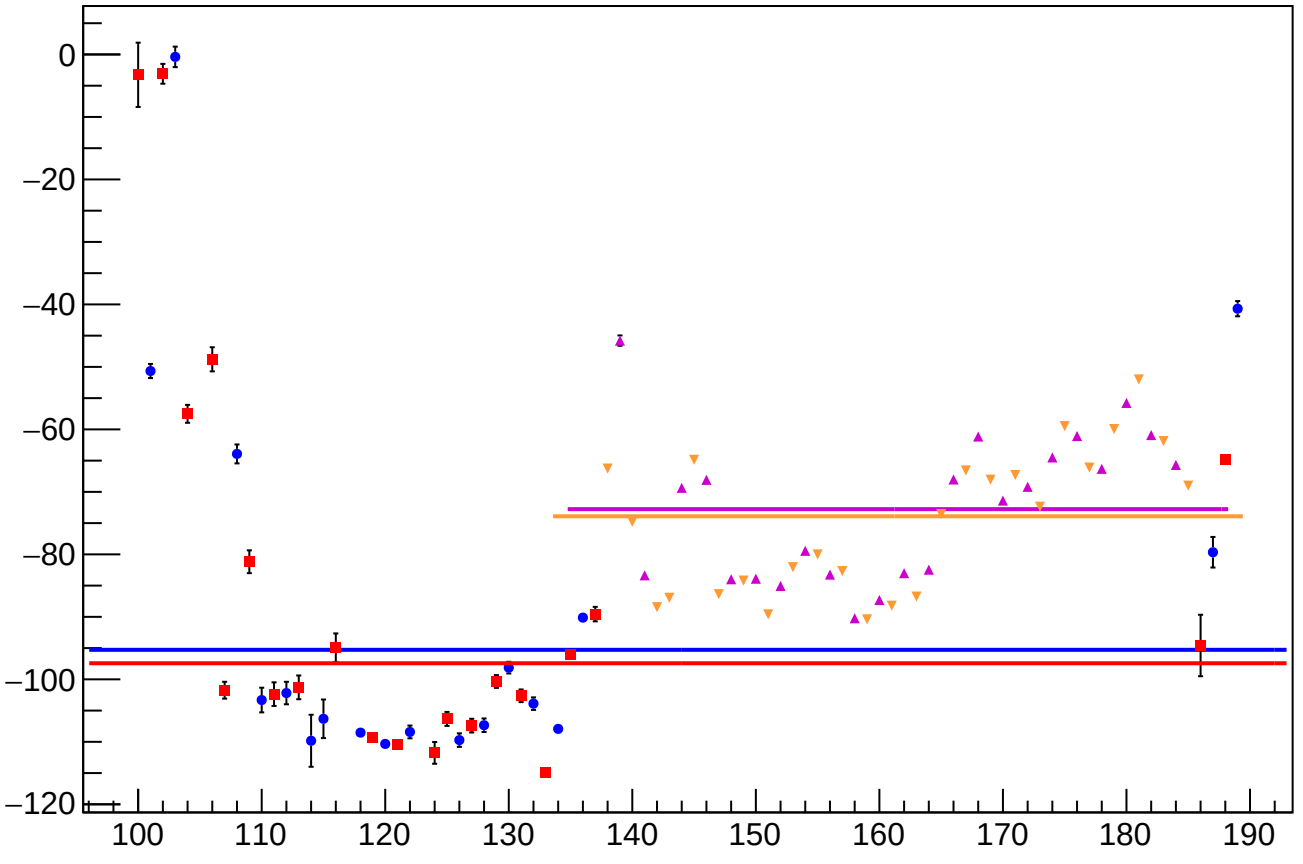
Right Out: 12.692+/-0.188 χ^2/NDF: 12119.0/20

Left In: 9.500+/-0.107 χ^2/NDF:13040.9/22

+ sign 8.750+/-0.094 χ^2/NDF: 26091.8/42

All: 9.521+/-0.066 χ^2/NDF: 51604.9/86

- sign 10.277+/-0.093 χ^2/NDF: 25378.6/43



Right In: -95.275+/-0.236 χ^2/NDF: 9288.6/17

Left Out: -73.907+/-0.090 χ^2/NDF:15567.0/24

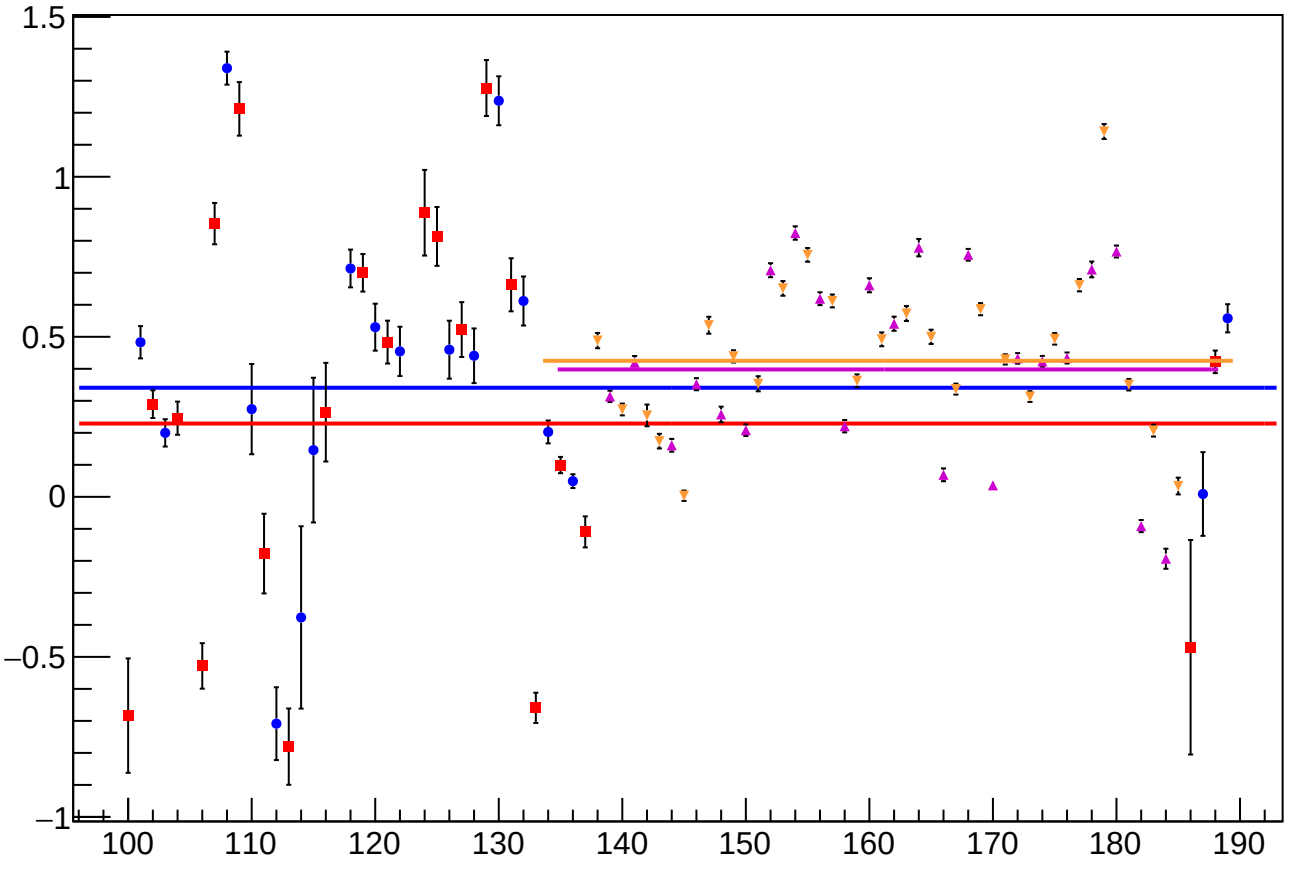
Right Out: -97.426+/-0.230 χ^2/NDF: 8943.1/20

Left In: -72.763+/-0.093 χ^2/NDF:12612.6/22

+ sign -76.645+/-0.084 χ^2/NDF: 32006.0/42

All: -76.447+/-0.060 χ^2/NDF: 63417.9/86

- sign -76.240+/-0.087 χ^2/NDF: 31400.7/43



Right In: 0.341+/-0.013 χ^2/NDF: 918.8/17

Left Out: 0.425+/-0.004 χ^2/NDF:3035.4/24

Right Out: 0.229+/-0.013 χ^2/NDF: 1244.8/20

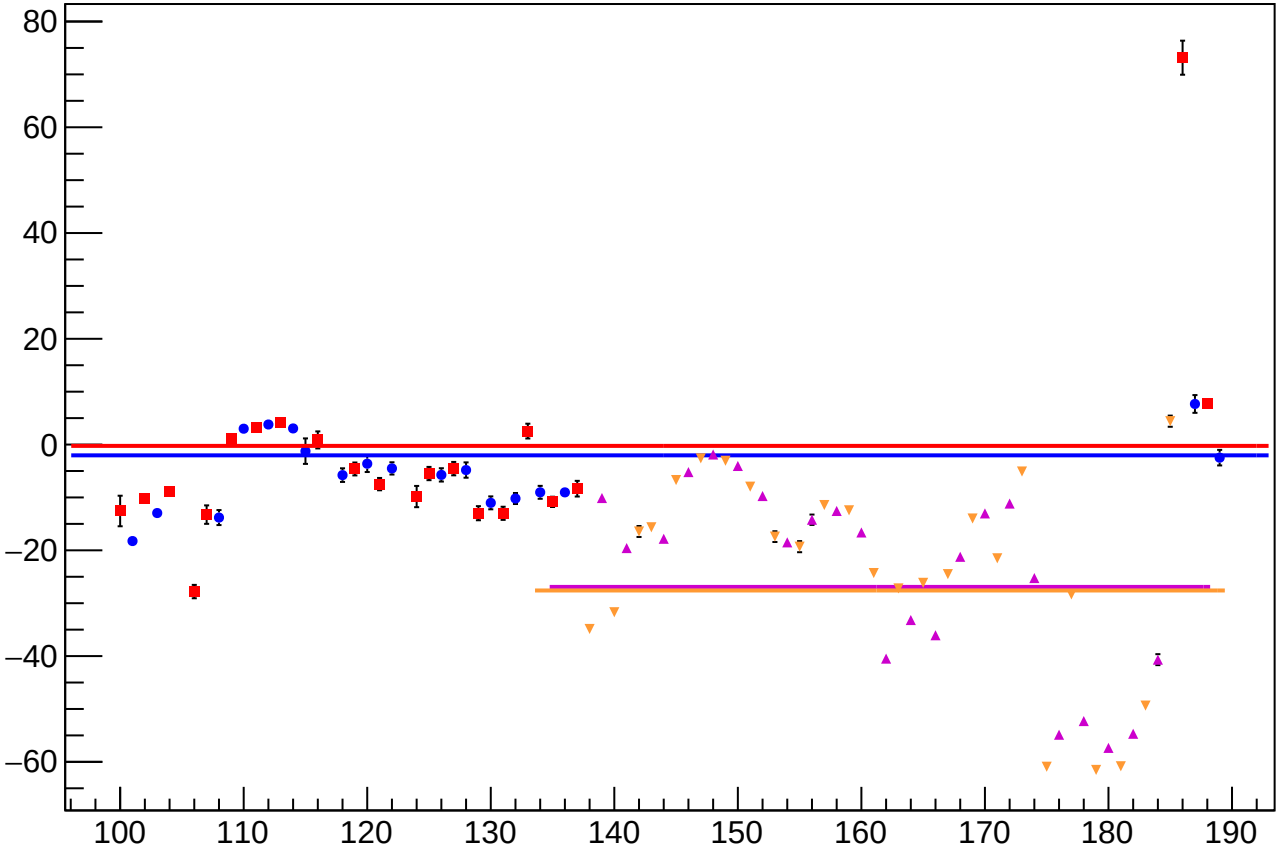
Left In: 0.398+/-0.004 χ^2/NDF:4271.0/22

+ sign 0.417+/-0.004 χ^2/NDF: 3994.2/42

All: 0.400+/-0.003 χ^2/NDF: 9706.5/86

- sign 0.382+/-0.004 χ^2/NDF: 5672.1/43

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -2.040+/-0.189 χ^2/NDF: 1525.0/17

Left Out: -27.594+/-0.144 χ^2/NDF:19761.6/24

Right Out: -0.251+/-0.166 χ^2/NDF: 2105.5/20

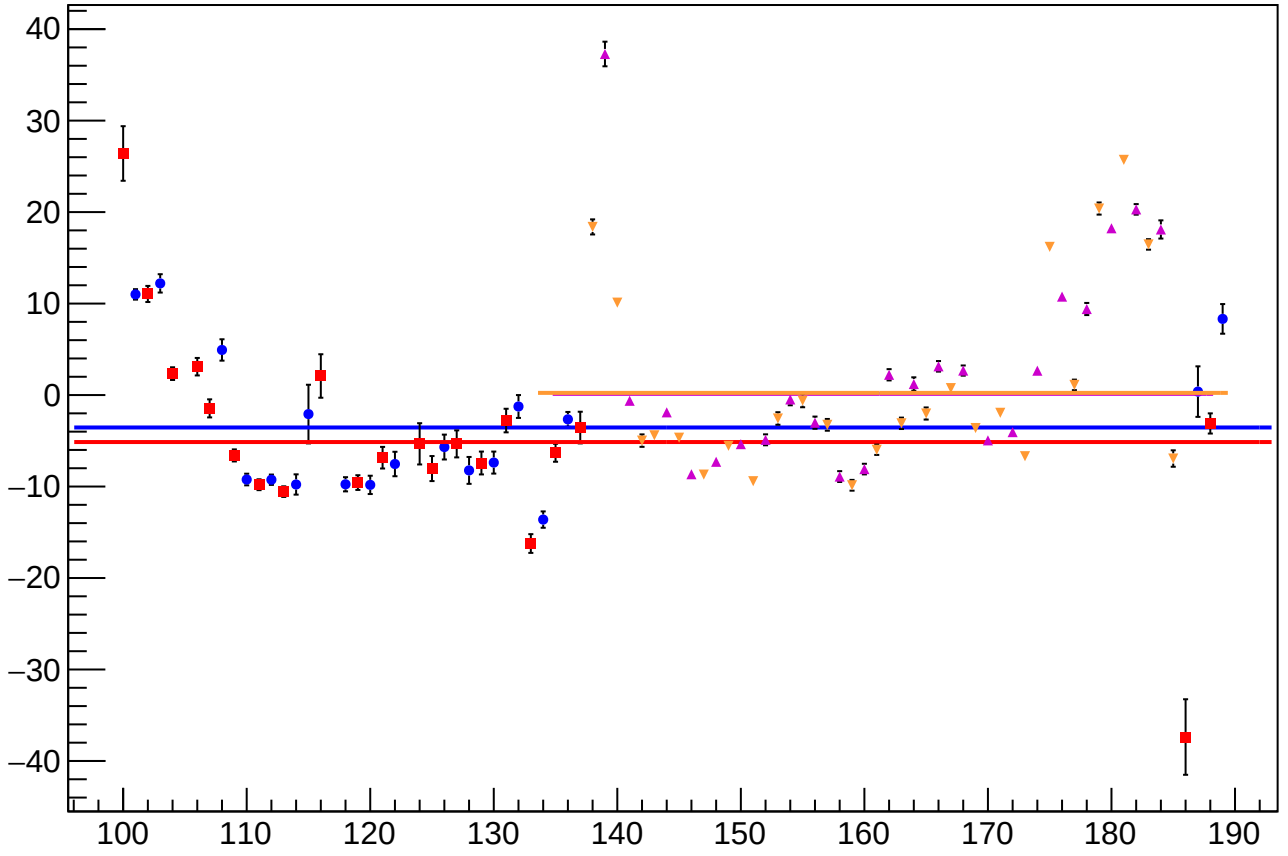
Left In: -26.918+/-0.149 χ^2/NDF:15536.6/22

+ sign -18.192+/-0.115 χ^2/NDF: 32823.0/42

All: -16.550+/-0.080 χ^2/NDF: 65121.9/86

- sign -15.013+/-0.111 χ^2/NDF: 31902.2/43

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: -3.544+/-0.223 χ^2/NDF: 1482.4/17

Left Out: 0.238+/-0.110 χ^2/NDF:8035.6/24

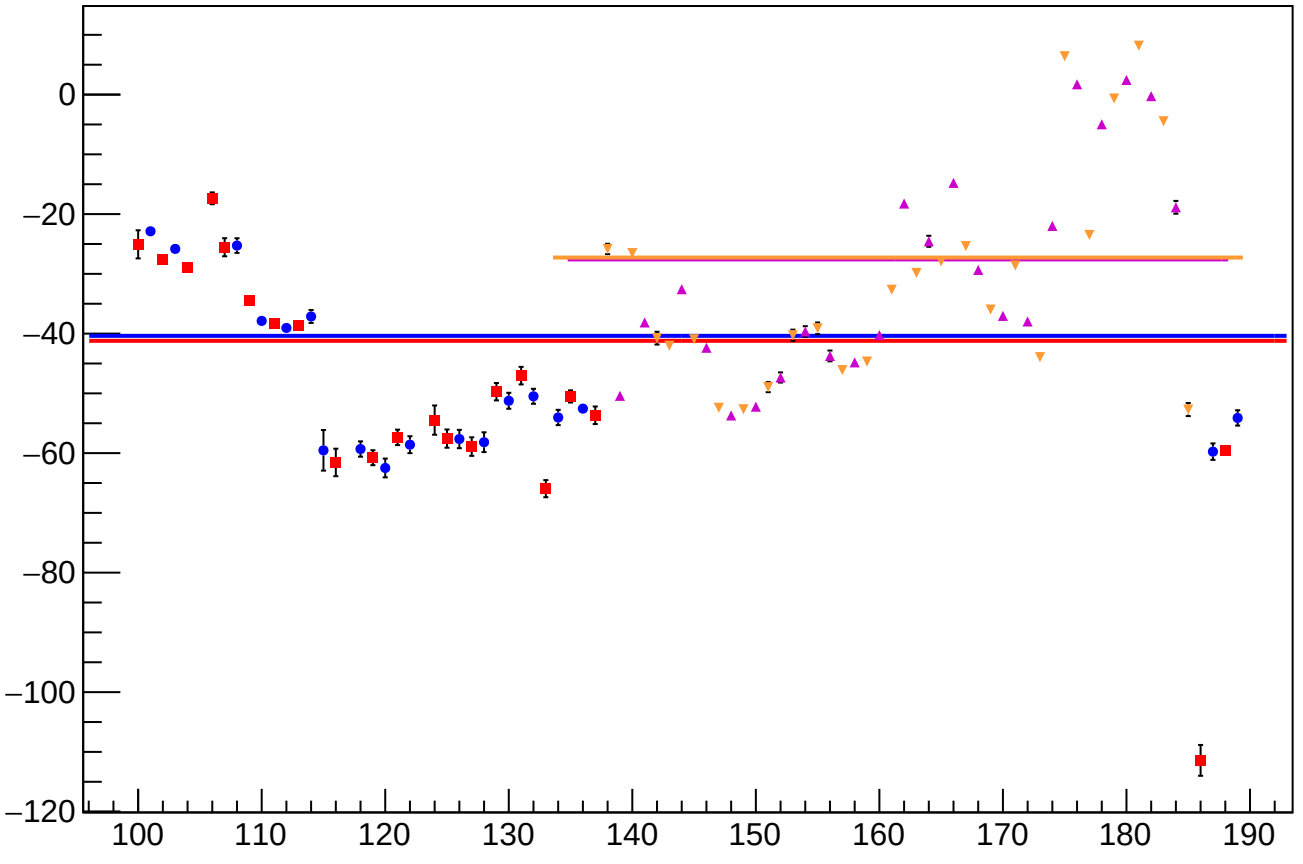
Right Out: -5.136+/-0.214 χ^2/NDF: 1044.9/20

Left In: 0.131+/-0.114 χ^2/NDF:5837.4/22

+ sign -0.506+/-0.099 χ^2/NDF: 9749.5/42

All: -0.767+/-0.071 χ^2/NDF: 17116.3/86

- sign -1.038+/-0.101 χ^2/NDF: 7352.6/43



Right In: -40.372+/-0.219 χ^2/NDF: 3287.1/17

Left Out: -27.271+/-0.144 χ^2/NDF:18526.9/24

Right Out: -41.205+/-0.201 χ^2/NDF: 4530.8/20

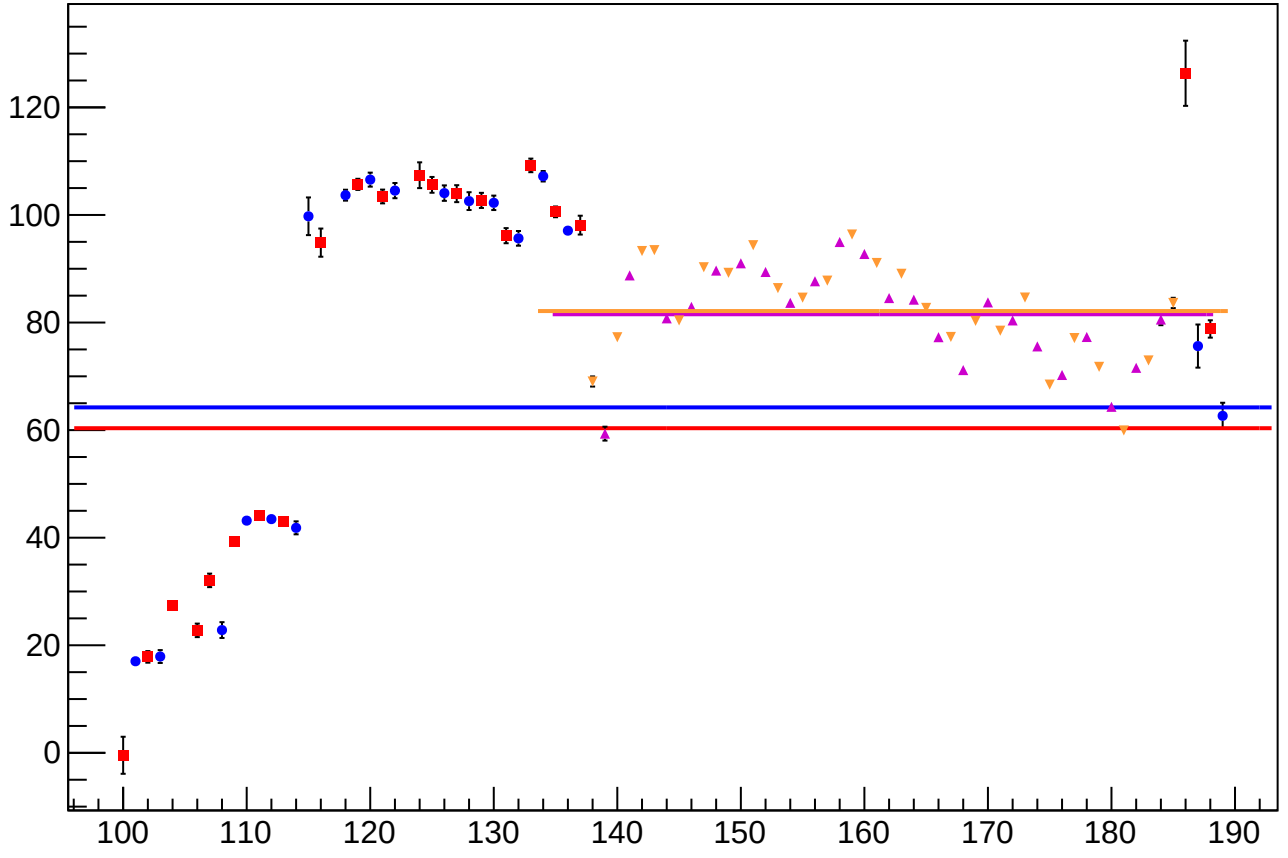
Left In: -27.583+/-0.148 χ^2/NDF:15648.7/22

+ sign -31.215+/-0.120 χ^2/NDF: 24309.6/42

All: -31.810+/-0.085 χ^2/NDF: 47521.8/86

- sign -32.395+/-0.119 χ^2/NDF: 23163.7/43

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 64.225+/-0.256 χ^2/NDF: 18604.9/17

Left Out: 82.134+/-0.125 χ^2/NDF:5375.9/24

Right Out: 60.355+/-0.246 χ^2/NDF: 17685.3/20

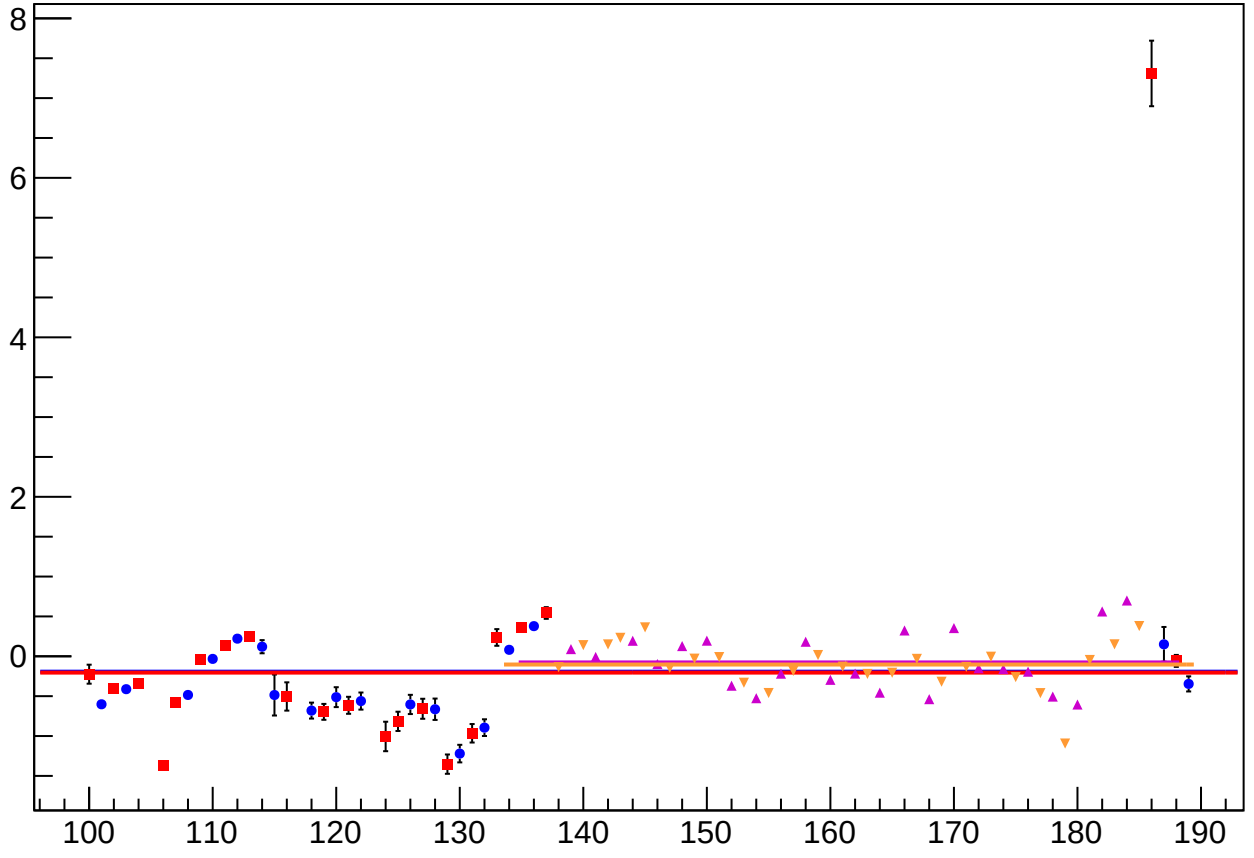
Left In: 81.539+/-0.129 χ^2/NDF:4043.0/22

+ sign 78.687+/-0.112 χ^2/NDF: 27946.8/42

All: 77.840+/-0.080 χ^2/NDF: 55622.4/86

- sign 76.962+/-0.114 χ^2/NDF: 27559.3/43

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -0.193+/-0.013 χ^2/NDF: 923.5/17

Left Out: -0.103+/-0.006 χ^2/NDF:2408.2/24

Right Out: -0.204+/-0.013 χ^2/NDF: 1706.9/20

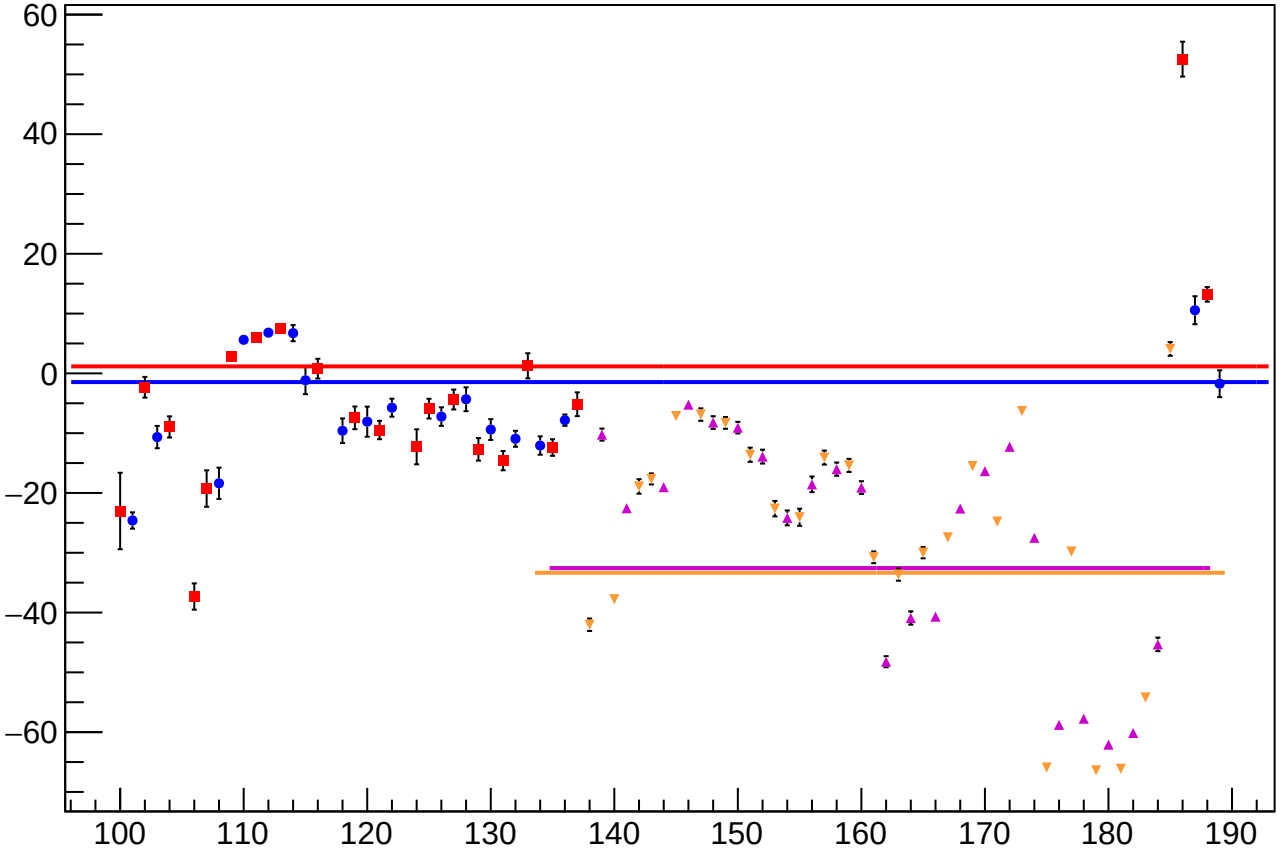
Left In: -0.077+/-0.006 χ^2/NDF:3320.8/22

+ sign -0.117+/-0.005 χ^2/NDF: 3370.3/42

All: -0.108+/-0.004 χ^2/NDF: 8487.5/86

- sign -0.098+/-0.005 χ^2/NDF: 5111.0/43

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -1.458+/-0.303 χ^2/NDF: 927.1/17

Left Out: -33.346+/-0.165 χ^2/NDF:17989.6/24

Right Out: 1.167+/-0.273 χ^2/NDF: 1354.7/20

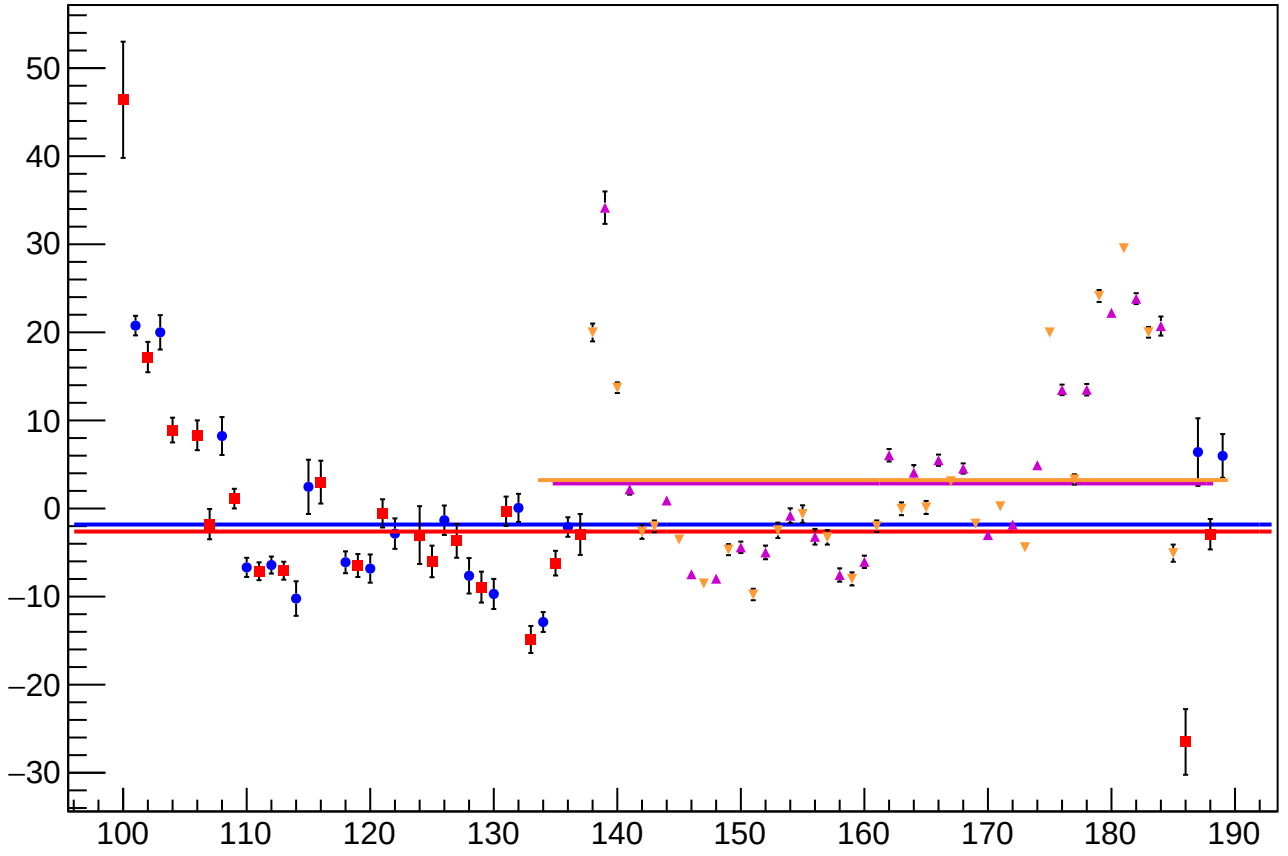
Left In: -32.559+/-0.169 χ^2/NDF:13896.0/22

+ sign -26.066+/-0.145 χ^2/NDF: 27484.0/42

All: -24.629+/-0.102 χ^2/NDF: 53923.9/86

- sign -23.203+/-0.144 χ^2/NDF: 26243.0/43

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: -1.819+/-0.351 χ^2/NDF: 786.8/17

Left Out: 3.224+/-0.128 χ^2/NDF:7675.6/24

Right Out: -2.615+/-0.346 χ^2/NDF: 492.4/20

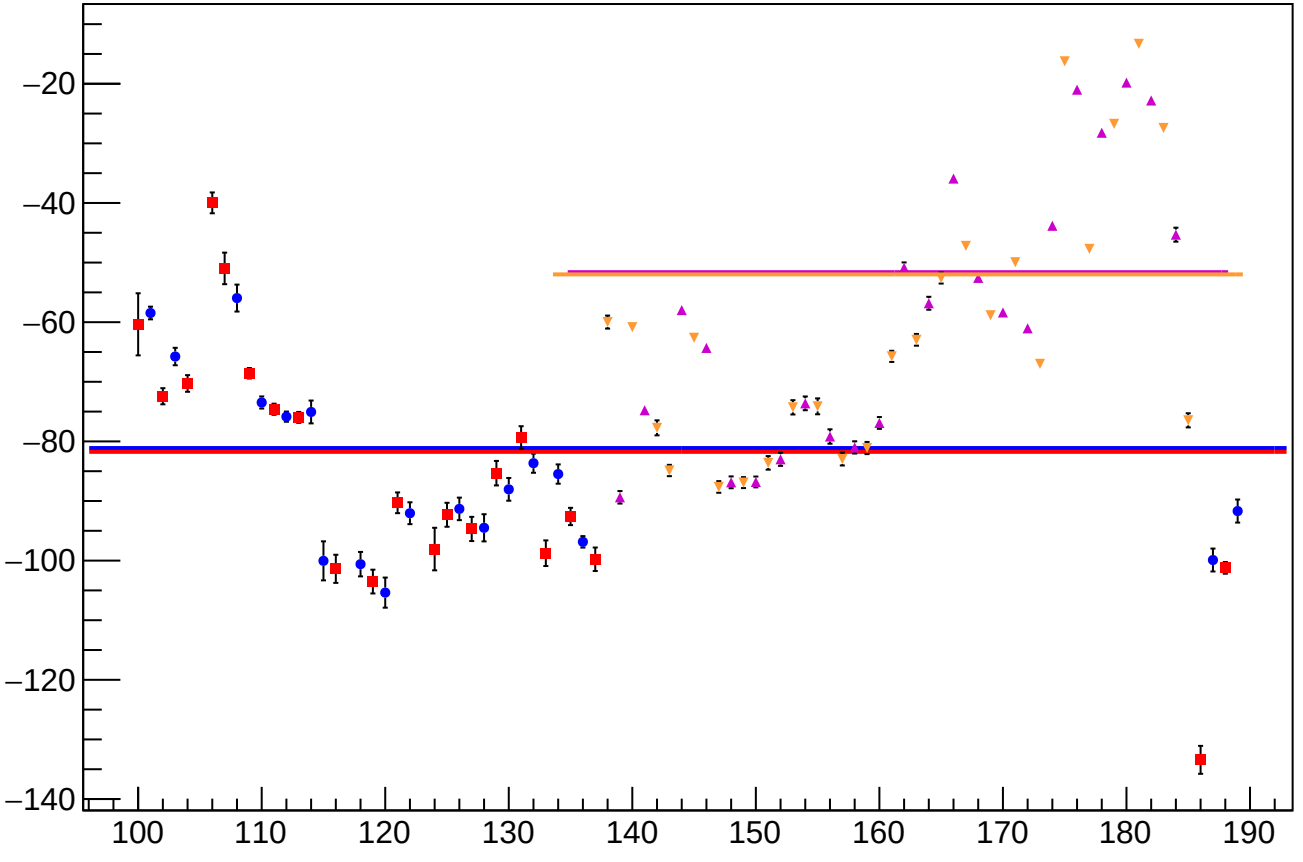
Left In: 2.845+/-0.131 χ^2/NDF:5455.5/22

+ sign 2.631+/-0.120 χ^2/NDF: 8644.5/42

All: 2.400+/-0.086 χ^2/NDF: 14817.2/86

- sign 2.160+/-0.123 χ^2/NDF: 6165.2/43

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



Right In: -81.118+/-0.352 χ^2/NDF: 1520.7/17

Left Out: -51.982+/-0.165 χ^2/NDF:20887.7/24

Right Out: -81.752+/-0.329 χ^2/NDF: 2548.8/20

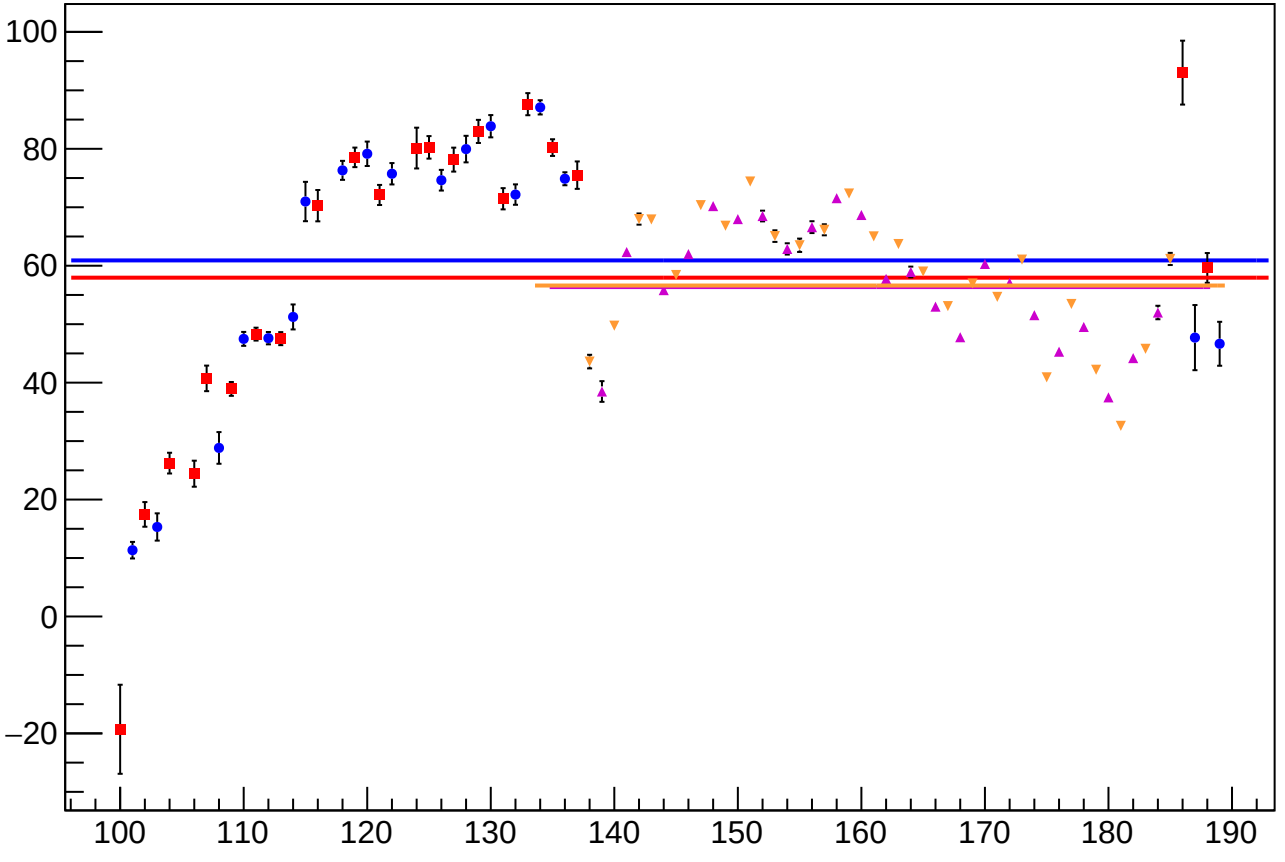
Left In: -51.612+/-0.169 χ^2/NDF:17624.2/22

+ sign -57.219+/-0.149 χ^2/NDF: 28025.9/42

All: -57.556+/-0.106 χ^2/NDF: 54836.9/86

- sign -57.898+/-0.150 χ^2/NDF: 26800.8/43

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 60.909+/-0.397 χ^2/NDF: 3249.6/17

Left Out: 56.612+/-0.144 χ^2/NDF:5666.2/24

Right Out: 57.957+/-0.394 χ^2/NDF: 2817.5/20

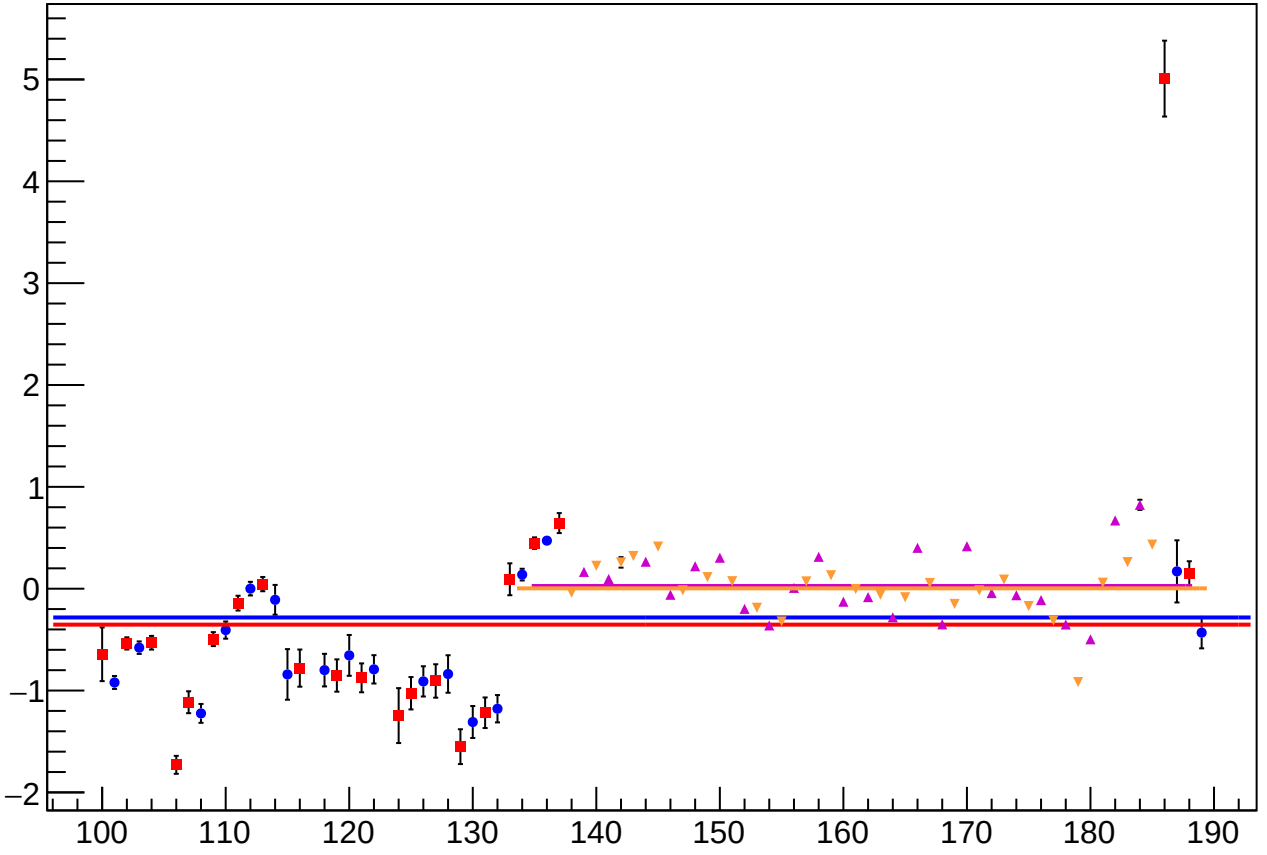
Left In: 56.348+/-0.147 χ^2/NDF:3968.7/22

\+ sign 57.110+/-0.135 χ^2/NDF: 9019.2/42

All: 56.834+/-0.097 χ^2/NDF: 15828.6/86

\- sign 56.545+/-0.138 χ^2/NDF: 6800.8/43

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.282+/-0.021 χ^2/NDF: 731.4/17

Left Out: 0.004+/-0.006 χ^2/NDF:1701.0/24

Right Out: -0.353+/-0.022 χ^2/NDF: 1045.0/20

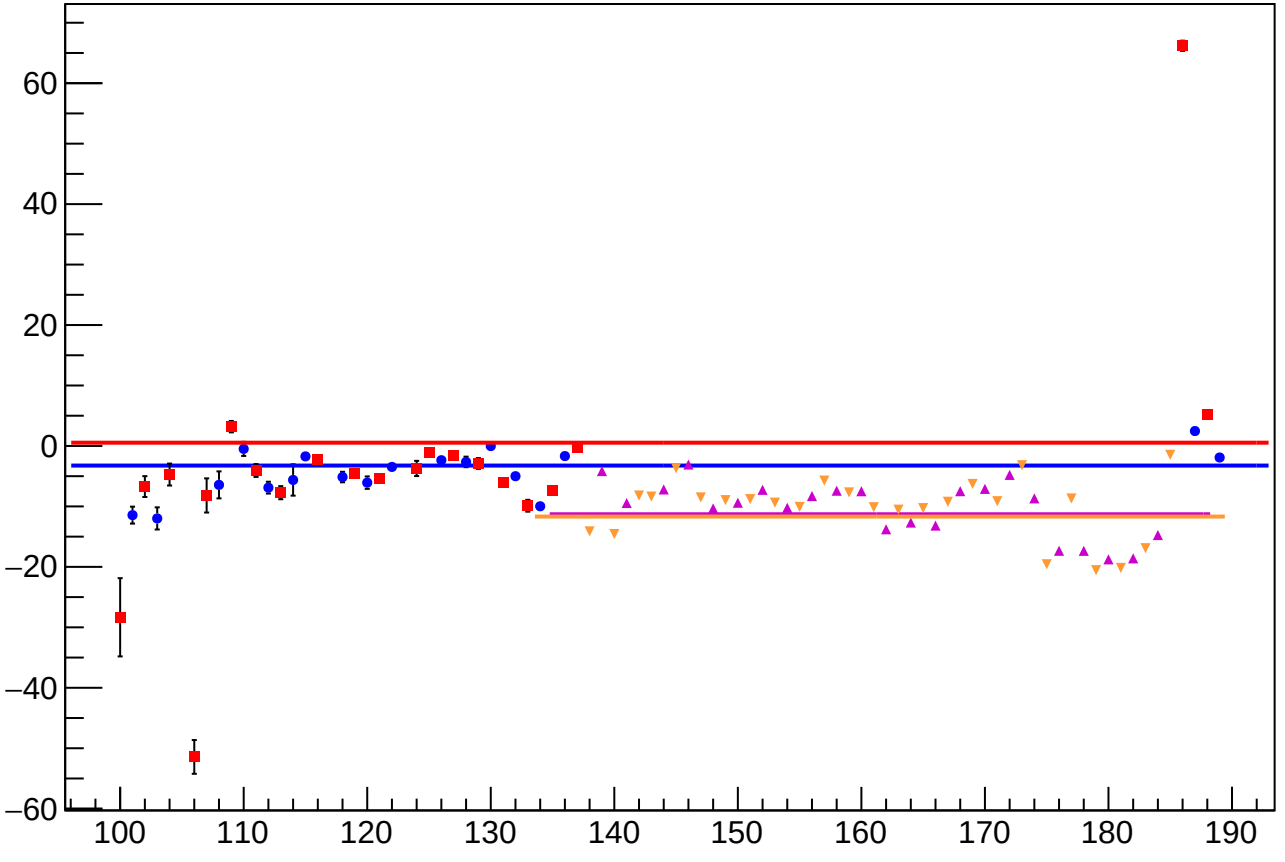
Left In: 0.026+/-0.007 χ^2/NDF:2349.0/22

+ sign -0.020+/-0.006 χ^2/NDF: 2596.5/42

All: -0.013+/-0.004 χ^2/NDF: 6276.6/86

- sign -0.006+/-0.006 χ^2/NDF: 3677.5/43

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -3.242+/-0.179 χ^2/NDF: 291.7/17

Left Out: -11.680+/-0.053 χ^2/NDF:12602.3/24

Right Out: 0.541+/-0.177 χ^2/NDF: 7285.5/20

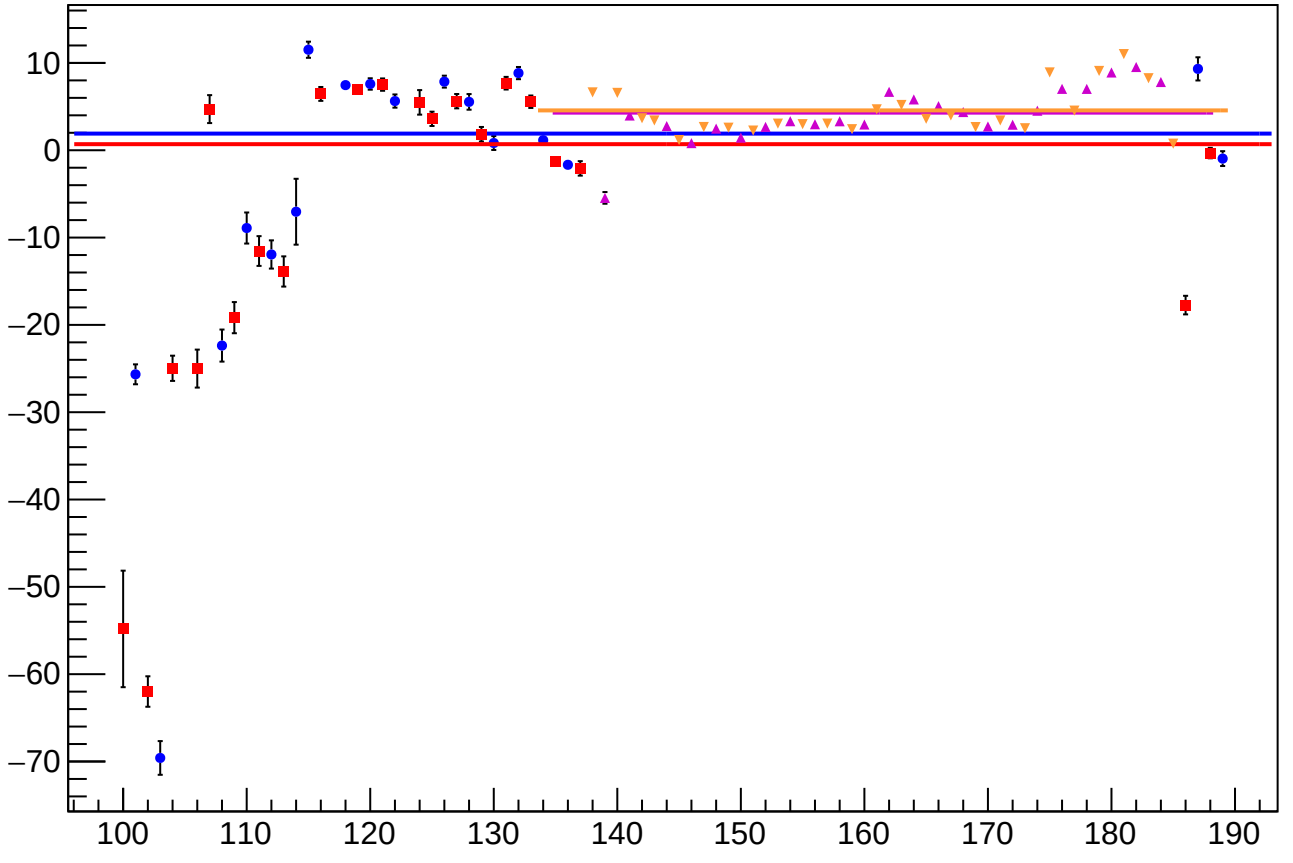
Left In: -11.301+/-0.054 χ^2/NDF:9229.2/22

+ sign -11.008+/-0.051 χ^2/NDF: 14938.5/42

All: -10.657+/-0.036 χ^2/NDF: 35664.5/86

- sign -10.290+/-0.052 χ^2/NDF: 20626.9/43

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 1.907+/-0.183 χ^2/NDF: 2880.7/17

Left Out: 4.564+/-0.041 χ^2/NDF:4356.3/24

Right Out: 0.696+/-0.193 χ^2/NDF: 2878.6/20

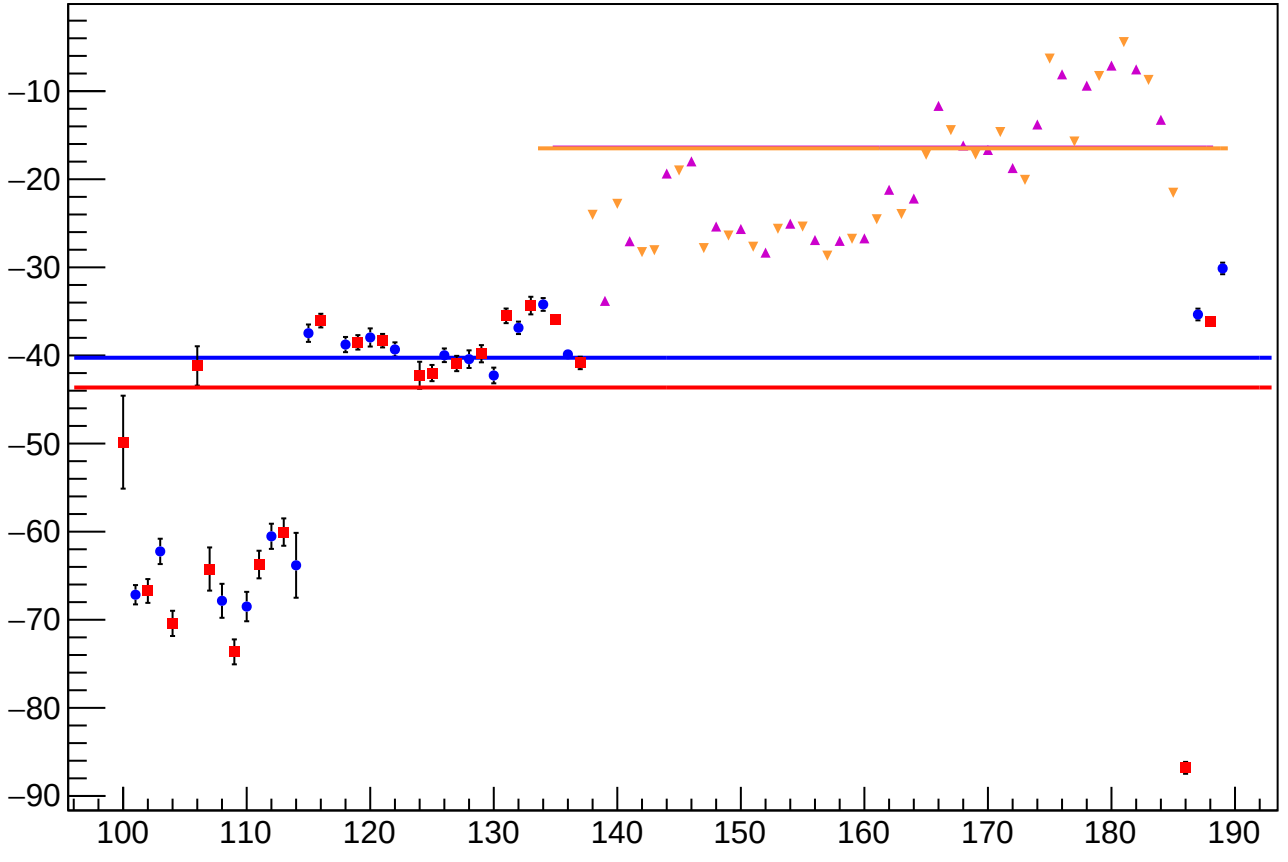
Left In: 4.308+/-0.042 χ^2/NDF:3609.0/22

+ sign 4.434+/-0.040 χ^2/NDF: 7438.0/42

All: 4.292+/-0.029 χ^2/NDF: 14283.7/86

- sign 4.145+/-0.041 χ^2/NDF: 6820.5/43

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -40.259+/-0.190 χ^2/NDF: 1978.4/17

Left Out: -16.492+/-0.053 χ^2/NDF:21982.6/24

Right Out: -43.637+/-0.183 χ^2/NDF: 6589.3/20

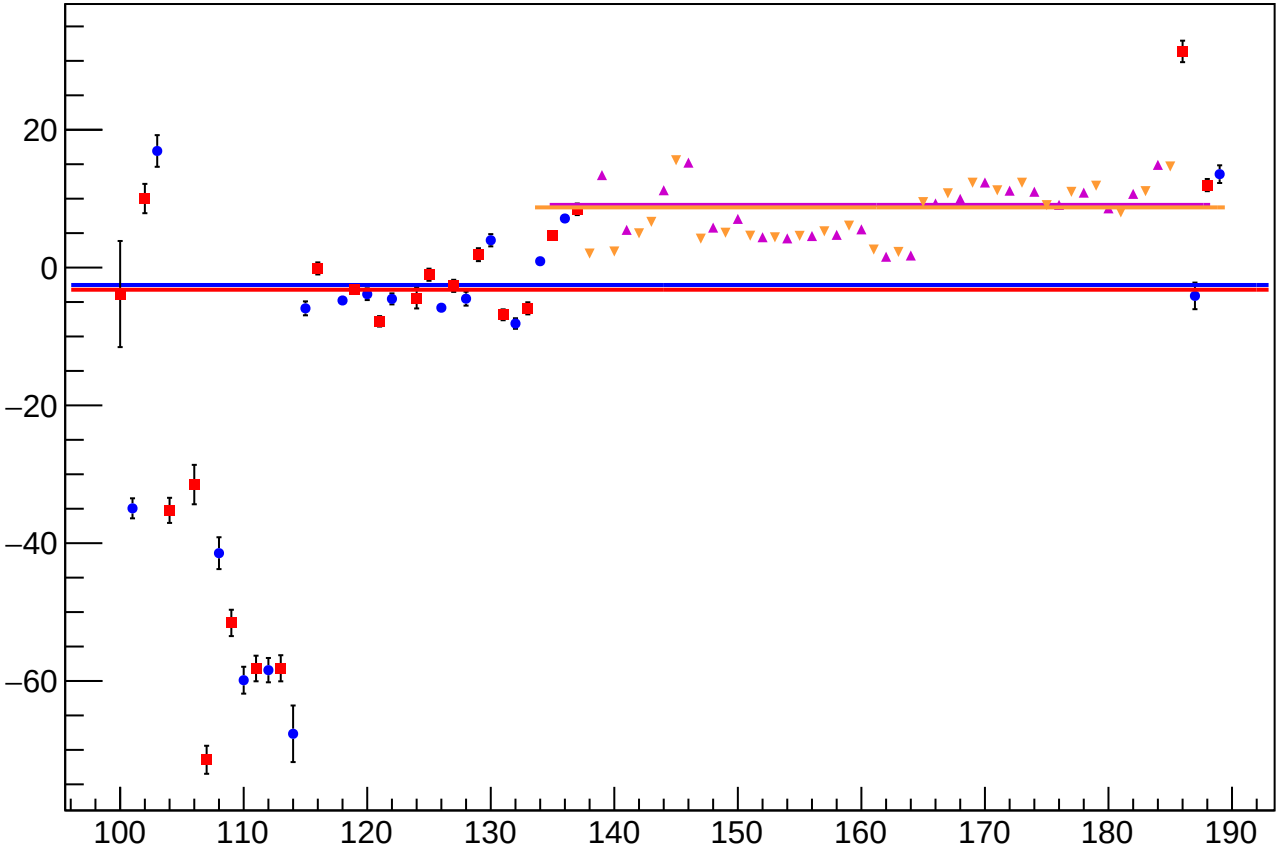
Left In: -16.403+/-0.054 χ^2/NDF:18032.3/22

+ sign -18.199+/-0.051 χ^2/NDF: 38523.0/42

All: -18.385+/-0.036 χ^2/NDF: 83545.3/86

- sign -18.577+/-0.052 χ^2/NDF: 44995.2/43

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: -2.526+/-0.206 χ^2/NDF: 3887.1/17

Left Out: 8.735+/-0.046 χ^2/NDF:6875.5/24

Right Out: -3.214+/-0.222 χ^2/NDF: 5223.7/20

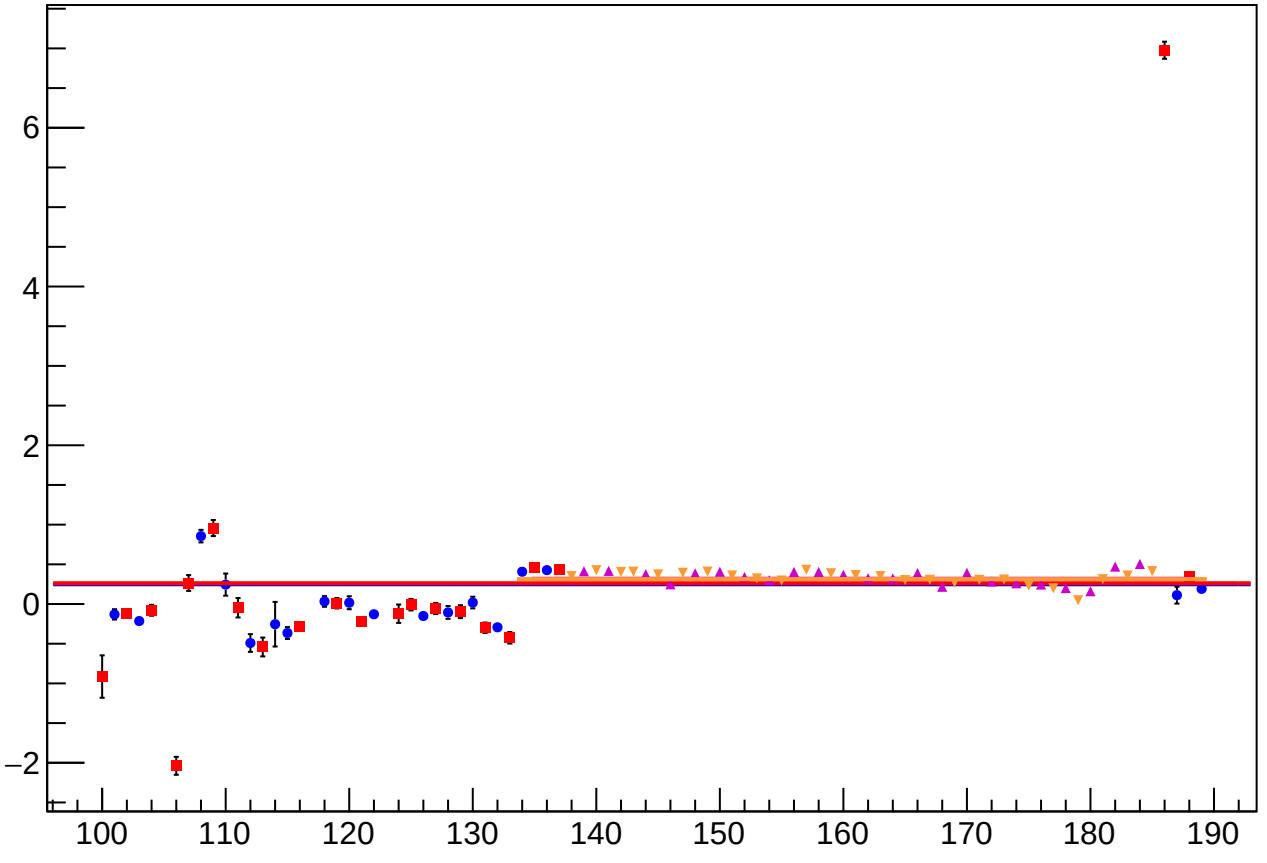
Left In: 9.096+/-0.047 χ^2/NDF:5739.5/22

+ sign 8.194+/-0.045 χ^2/NDF: 13614.4/42

All: 8.376+/-0.032 χ^2/NDF: 27554.2/86

- sign 8.566+/-0.046 χ^2/NDF: 13906.5/43

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.249+/-0.011 χ^2/NDF: 633.9/17

Left Out: 0.314+/-0.002 χ^2/NDF:1602.1/24

Right Out: 0.262+/-0.013 χ^2/NDF: 4988.5/20

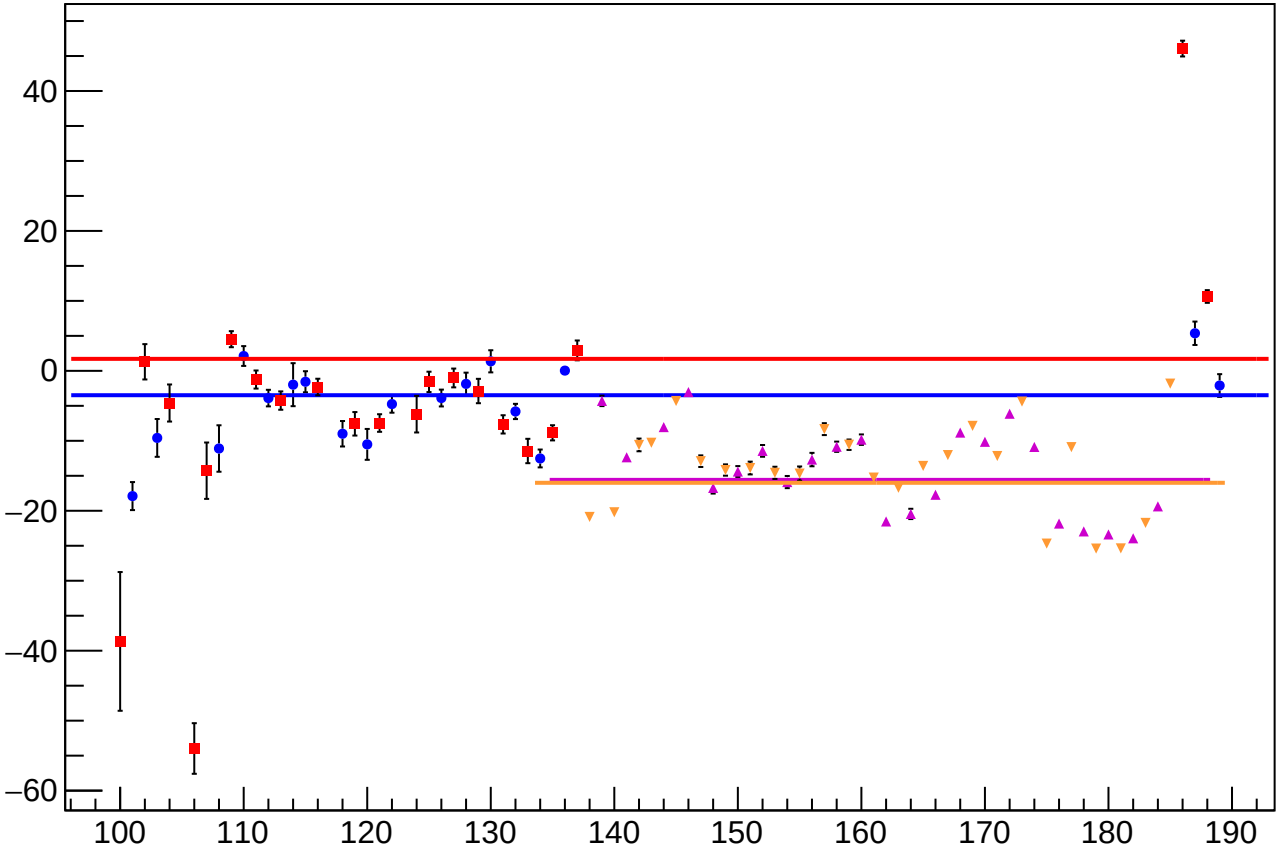
Left In: 0.319+/-0.002 χ^2/NDF:1787.8/22

+ sign 0.312+/-0.002 χ^2/NDF: 2269.2/42

All: 0.314+/-0.001 χ^2/NDF: 9068.4/86

- sign 0.317+/-0.002 χ^2/NDF: 6795.8/43

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -3.482+/-0.332 χ^2/NDF: 219.2/17

Left Out: -16.000+/-0.099 χ^2/NDF:5962.8/24

Right Out: 1.713+/-0.319 χ^2/NDF: 2271.9/20

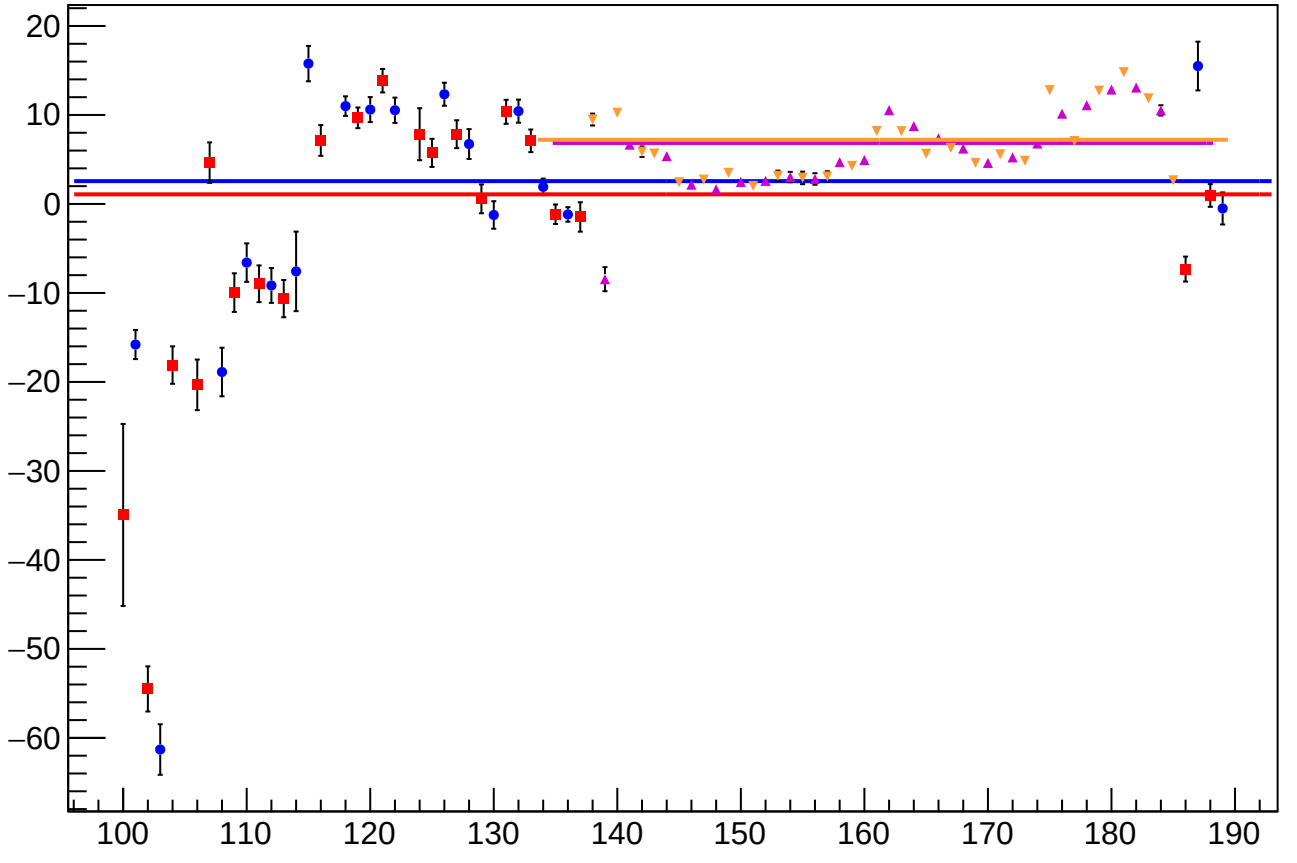
Left In: -15.582+/-0.102 χ^2/NDF:4759.9/22

+ sign -14.969+/-0.095 χ^2/NDF: 7488.6/42

All: -14.482+/-0.068 χ^2/NDF: 17247.2/86

- sign -13.975+/-0.097 χ^2/NDF: 9705.1/43

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 2.565+/-0.347 χ^2/NDF: 1072.0/17

Left Out: 7.212+/-0.080 χ^2/NDF:2455.9/24

Right Out: 1.082+/-0.357 χ^2/NDF: 1021.7/20

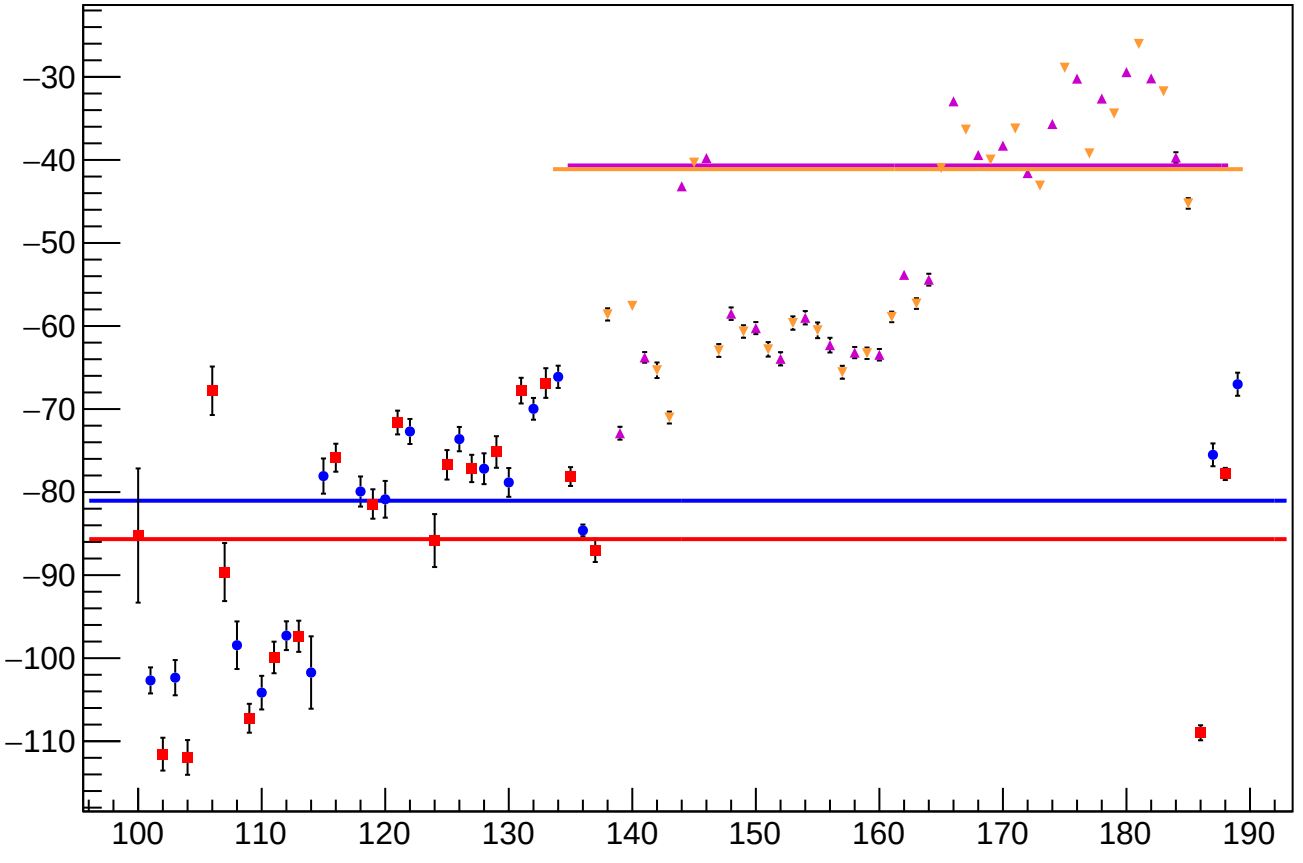
Left In: 6.856+/-0.081 χ^2/NDF:2156.4/22

+ sign 6.977+/-0.078 χ^2/NDF: 3698.1/42

All: 6.778+/-0.056 χ^2/NDF: 7137.7/86

- sign 6.573+/-0.079 χ^2/NDF: 3426.4/43

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -81.038+/-0.358 χ^2/NDF: 972.1/17

Left Out: -41.111+/-0.100 χ^2/NDF:16000.8/24

Right Out: -85.665+/-0.335 χ^2/NDF: 1905.1/20

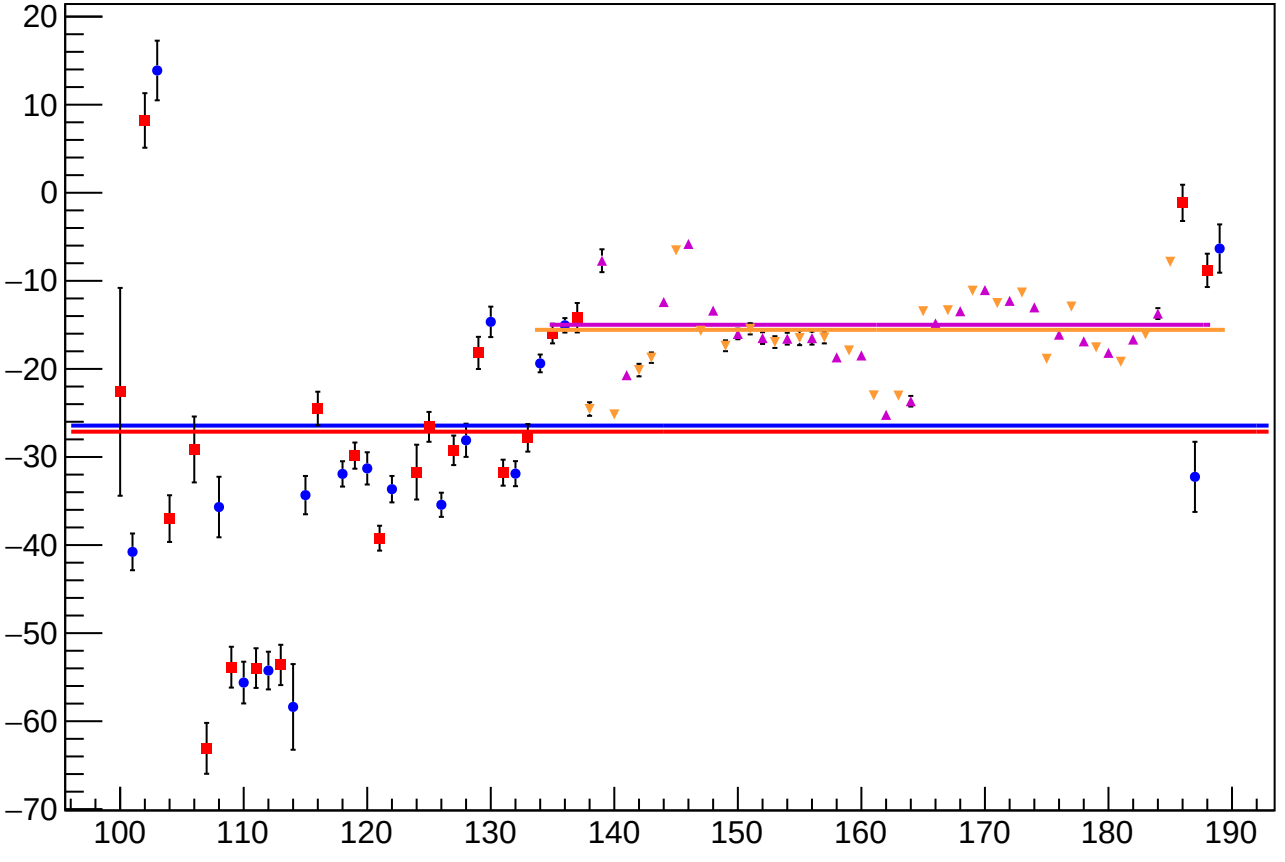
Left In: -40.665+/-0.102 χ^2/NDF:13541.3/22

+ sign -44.006+/-0.096 χ^2/NDF: 28531.6/42

All: -44.249+/-0.069 χ^2/NDF: 60508.6/86

- sign -44.500+/-0.098 χ^2/NDF: 31963.9/43

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -26.435+/-0.390 χ^2/NDF: 1020.2/17

Left Out: -15.562+/-0.089 χ^2/NDF:2549.5/24

Right Out: -27.125+/-0.412 χ^2/NDF: 1237.2/20

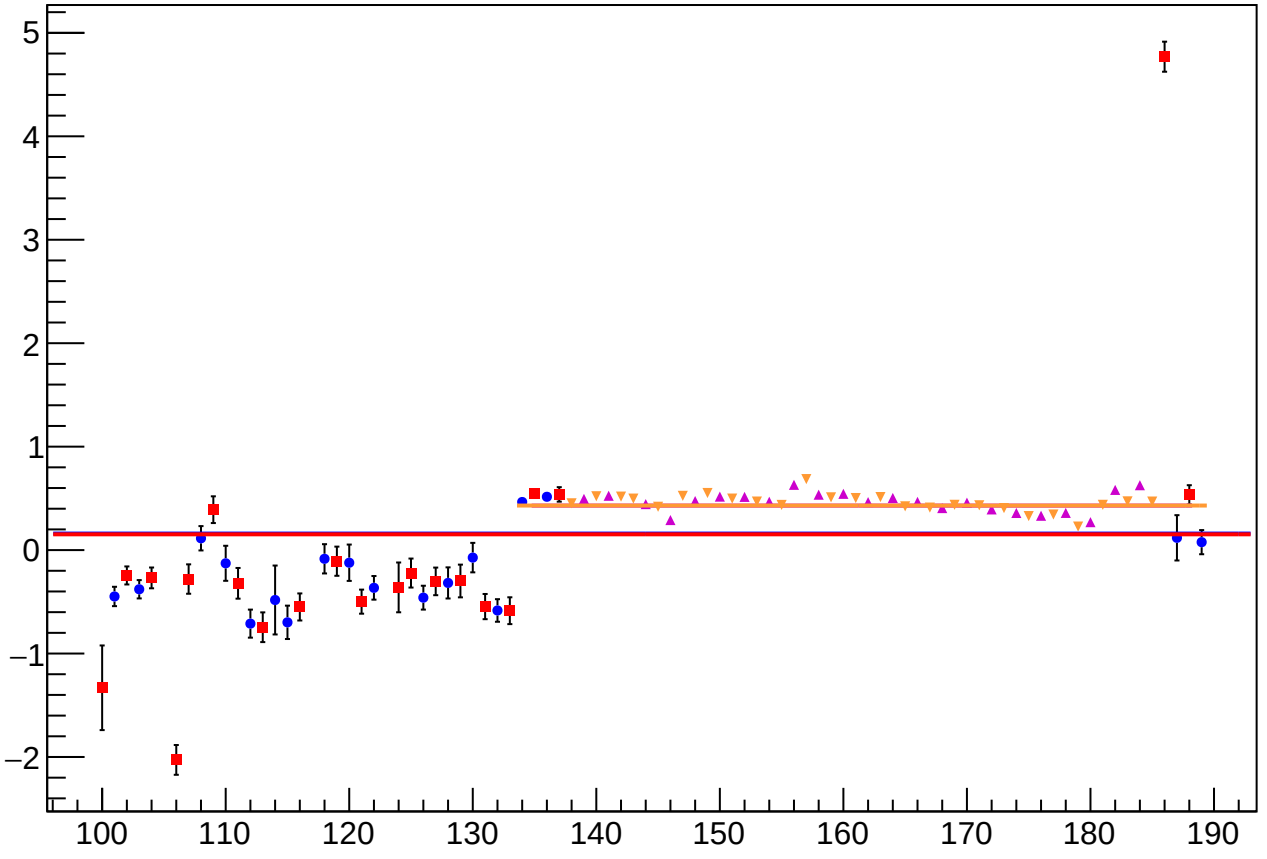
Left In: -14.990+/-0.090 χ^2/NDF:2150.9/22

+ sign -16.100+/-0.087 χ^2/NDF: 4309.8/42

All: -15.828+/-0.062 χ^2/NDF: 8546.4/86

- sign -15.546+/-0.088 χ^2/NDF: 4216.6/43

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.160+/-0.021 χ^2/NDF: 423.1/17

Left Out: 0.431+/-0.004 χ^2/NDF:418.4/24

Right Out: 0.152+/-0.023 χ^2/NDF: 1640.9/20

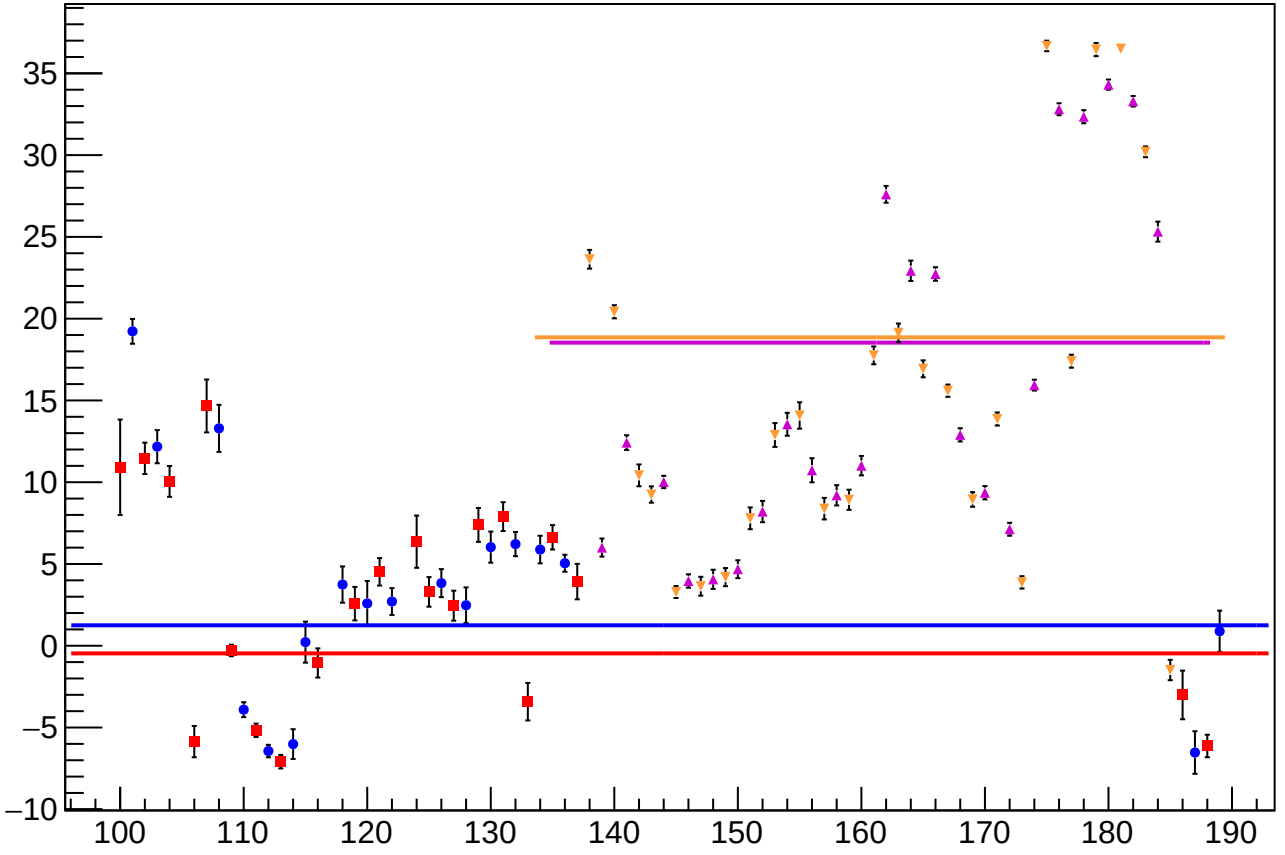
Left In: 0.430+/-0.004 χ^2/NDF:583.6/22

+ sign 0.421+/-0.004 χ^2/NDF: 1003.0/42

All: 0.422+/-0.003 χ^2/NDF: 3365.2/86

- sign 0.422+/-0.004 χ^2/NDF: 2362.2/43

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 1.250+/-0.179 χ^2/NDF: 1558.7/17

Left Out: 18.858+/-0.090 χ^2/NDF:18374.1/24

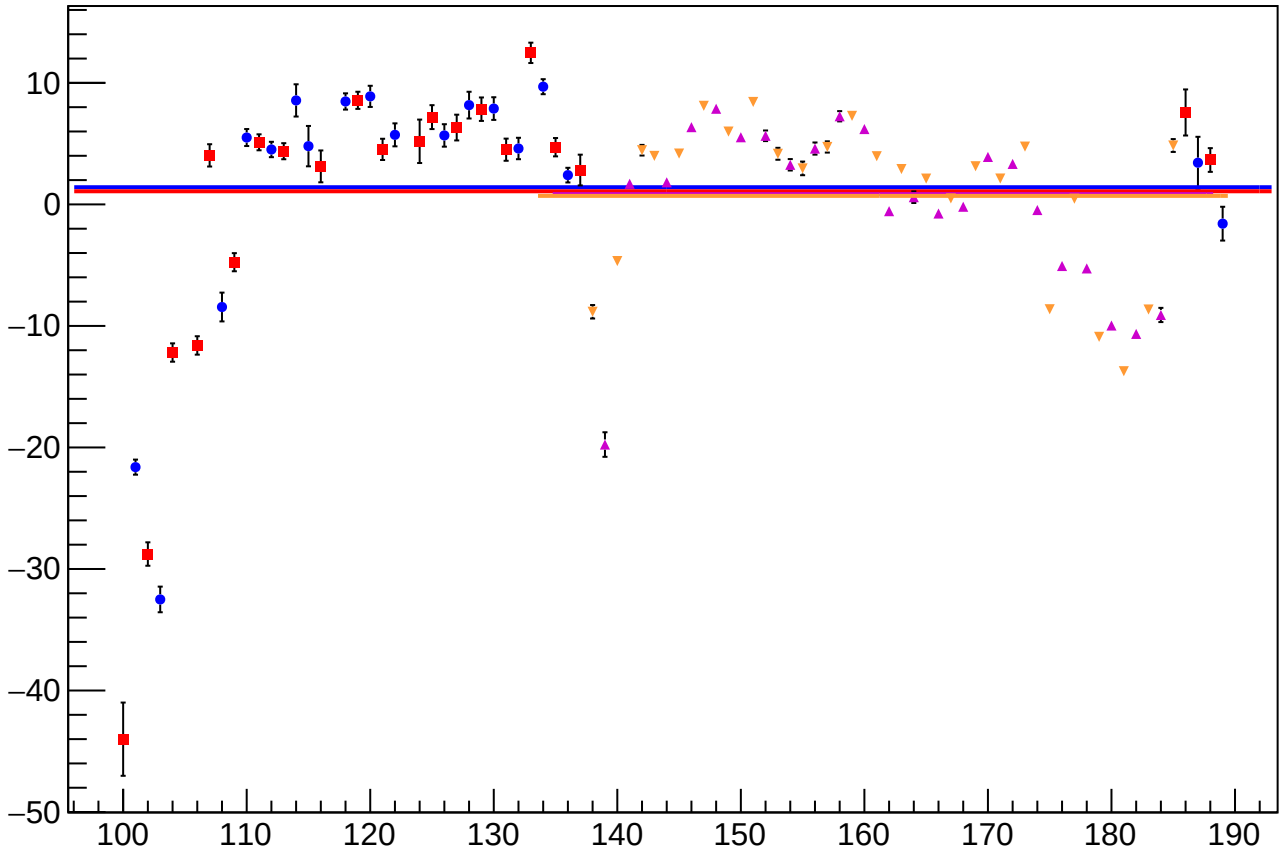
Right Out: -0.466+/-0.162 χ^2/NDF: 1222.6/20

Left In: 18.535+/-0.093 χ^2/NDF:14066.0/22

+ sign 15.294+/-0.081 χ^2/NDF: 27610.1/42

All: 14.544+/-0.057 χ^2/NDF: 53434.4/86

- sign 13.794+/-0.081 χ^2/NDF: 25651.9/43



Right In: 1.413+/-0.200 χ^2/NDF: 3085.8/17

Left Out: 0.702+/-0.071 χ^2/NDF:8237.8/24

Right Out: 1.080+/-0.197 χ^2/NDF: 2396.6/20

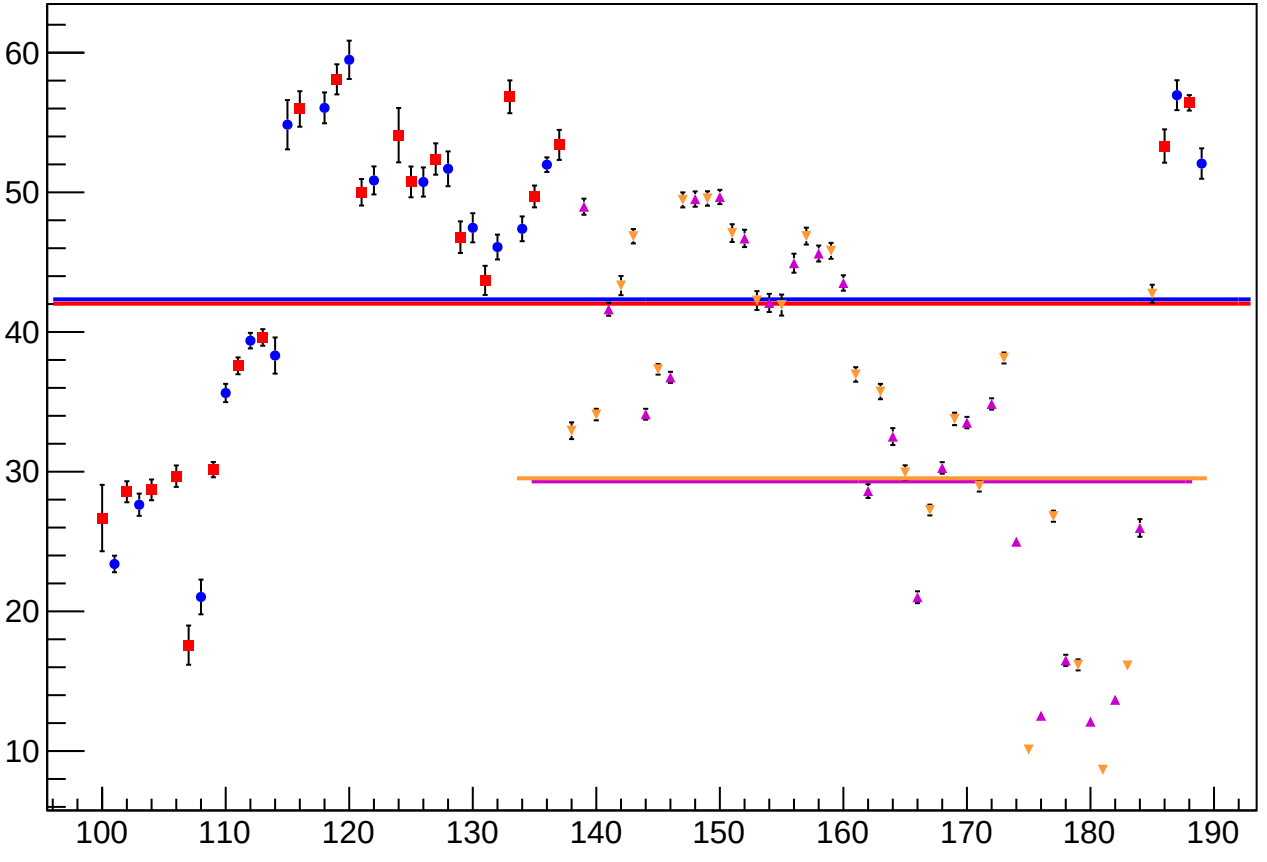
Left In: 0.847+/-0.072 χ^2/NDF:6045.4/22

+ sign 0.781+/-0.067 χ^2/NDF: 11334.9/42

All: 0.827+/-0.048 χ^2/NDF: 19779.0/86

- sign 0.874+/-0.068 χ^2/NDF: 8443.2/43

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 42.337+/-0.203 χ^2/NDF: 3031.9/17

Left Out: 29.526+/-0.091 χ^2/NDF:21083.7/24

Right Out: 42.028+/-0.188 χ^2/NDF: 3535.7/20

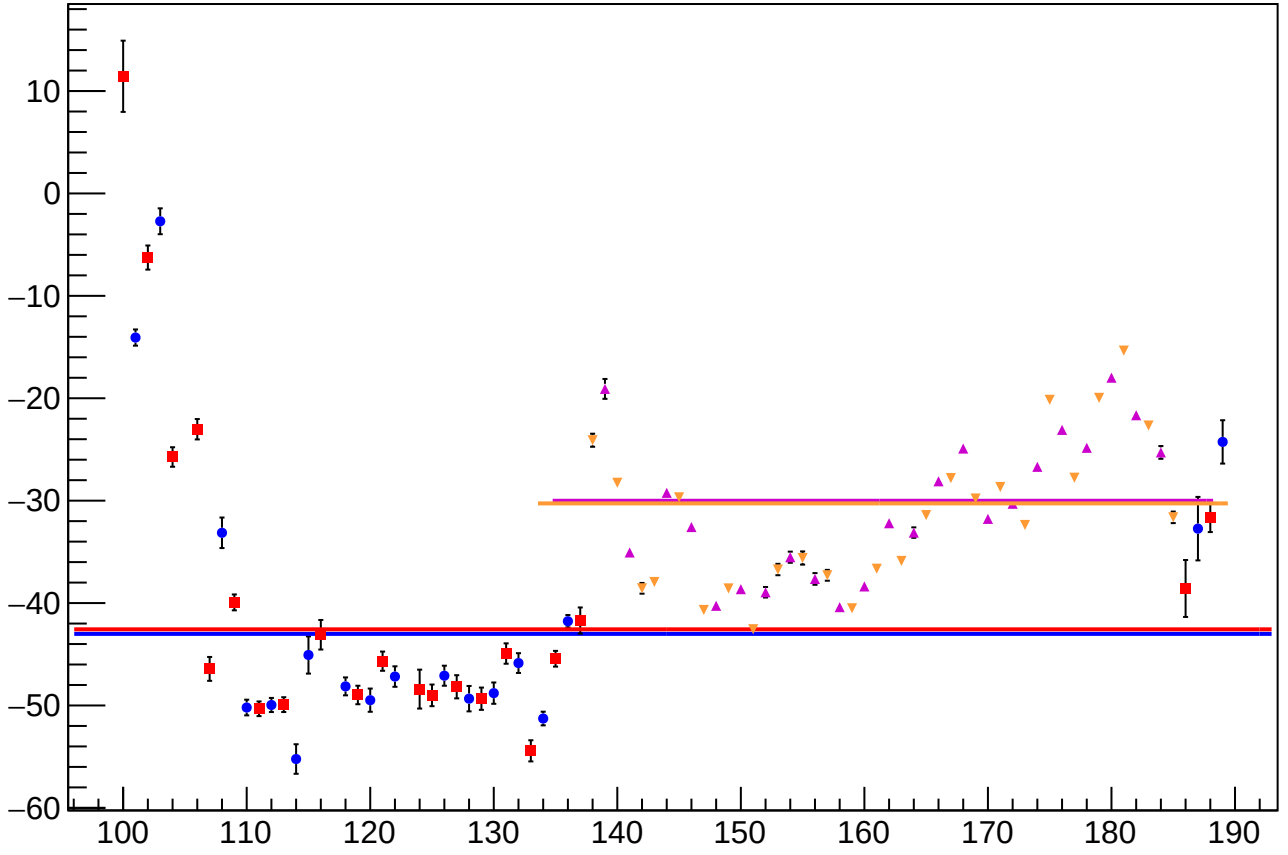
Left In: 29.306+/-0.093 χ^2/NDF:17870.3/22

+ sign 31.653+/-0.083 χ^2/NDF: 27435.7/42

All: 31.729+/-0.059 χ^2/NDF: 52515.6/86

- sign 31.807+/-0.083 χ^2/NDF: 25078.2/43

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -43.009+/-0.227 χ^2/NDF: 3076.1/17

Left Out: -30.268+/-0.079 χ^2/NDF:8500.0/24

Right Out: -42.564+/-0.225 χ^2/NDF: 2515.6/20

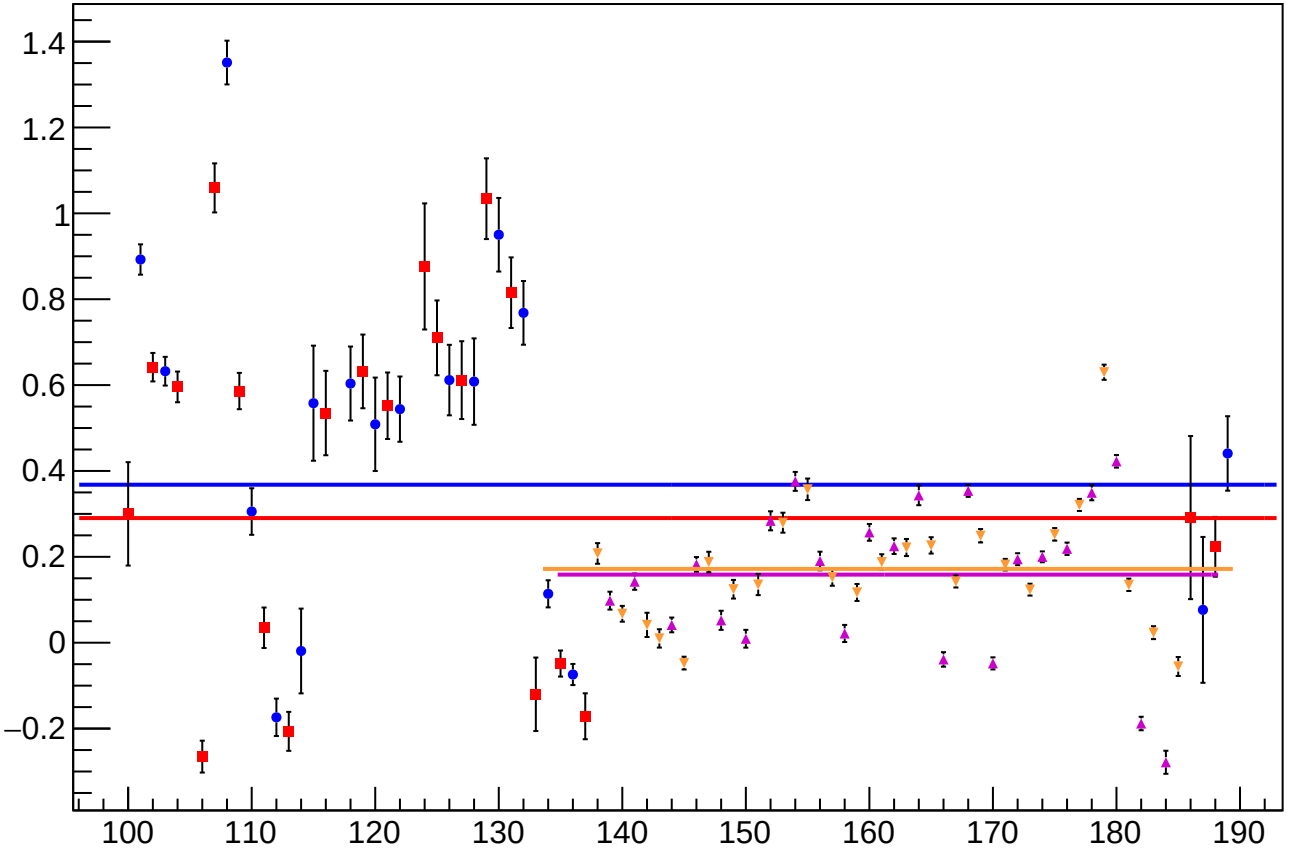
Left In: -30.012+/-0.081 χ^2/NDF:6083.1/22

\+ sign -31.648+/-0.075 χ^2/NDF: 14375.8/42

All: -31.554+/-0.053 χ^2/NDF: 25720.8/86

\- sign -31.457+/-0.076 χ^2/NDF: 11341.8/43

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.368+/-0.012 χ^2/NDF: 1324.5/17

Left Out: 0.172+/-0.004 χ^2/NDF:1501.3/24

Right Out: 0.290+/-0.012 χ^2/NDF: 1200.2/20

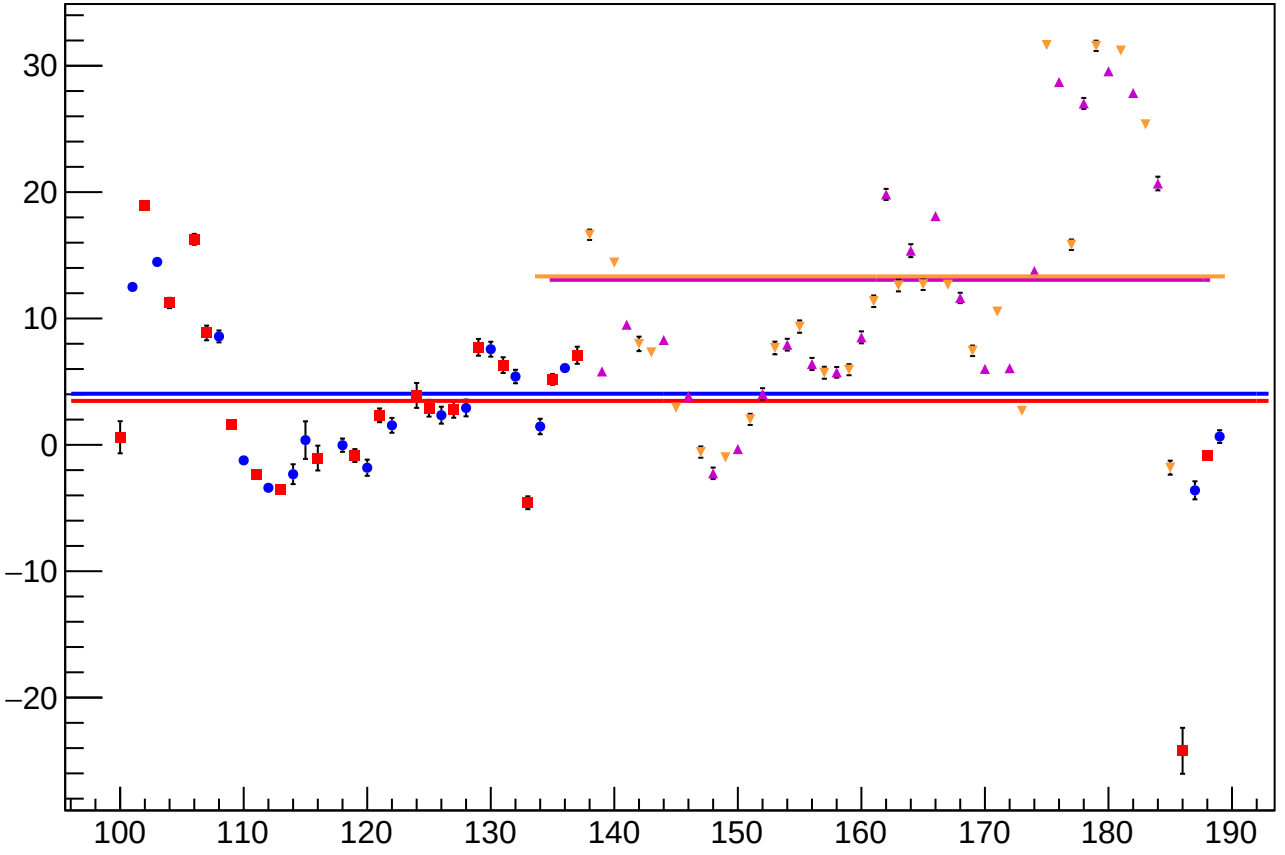
Left In: 0.159+/-0.004 χ^2/NDF:2187.4/22

+ sign 0.188+/-0.003 χ^2/NDF: 3069.4/42

All: 0.179+/-0.002 χ^2/NDF: 6582.3/86

- sign 0.170+/-0.003 χ^2/NDF: 3499.6/43

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 4.046+/-0.112 χ^2/NDF: 2793.2/17

Left Out: 13.331+/-0.077 χ^2/NDF:19432.7/24

Right Out: 3.479+/-0.100 χ^2/NDF: 4781.7/20

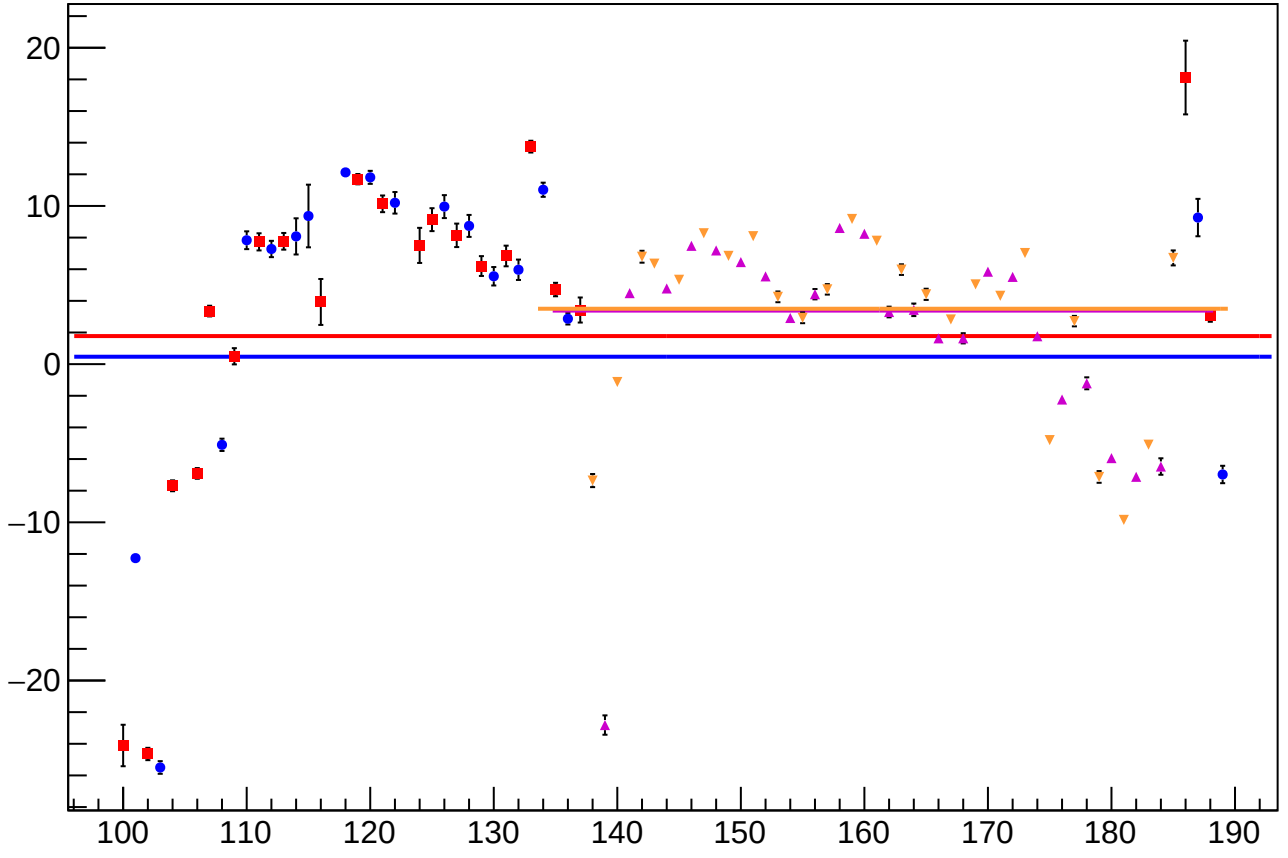
Left In: 13.061+/-0.079 χ^2/NDF:15559.8/22

+ sign 10.381+/-0.063 χ^2/NDF: 26873.0/42

All: 9.869+/-0.044 χ^2/NDF: 52953.8/86

- sign 9.376+/-0.062 χ^2/NDF: 25953.0/43

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: 0.469+/-0.113 χ^2/NDF: 10697.0/17

Left Out: 3.502+/-0.059 χ^2/NDF:7911.7/24

Right Out: 1.774+/-0.106 χ^2/NDF: 9317.9/20

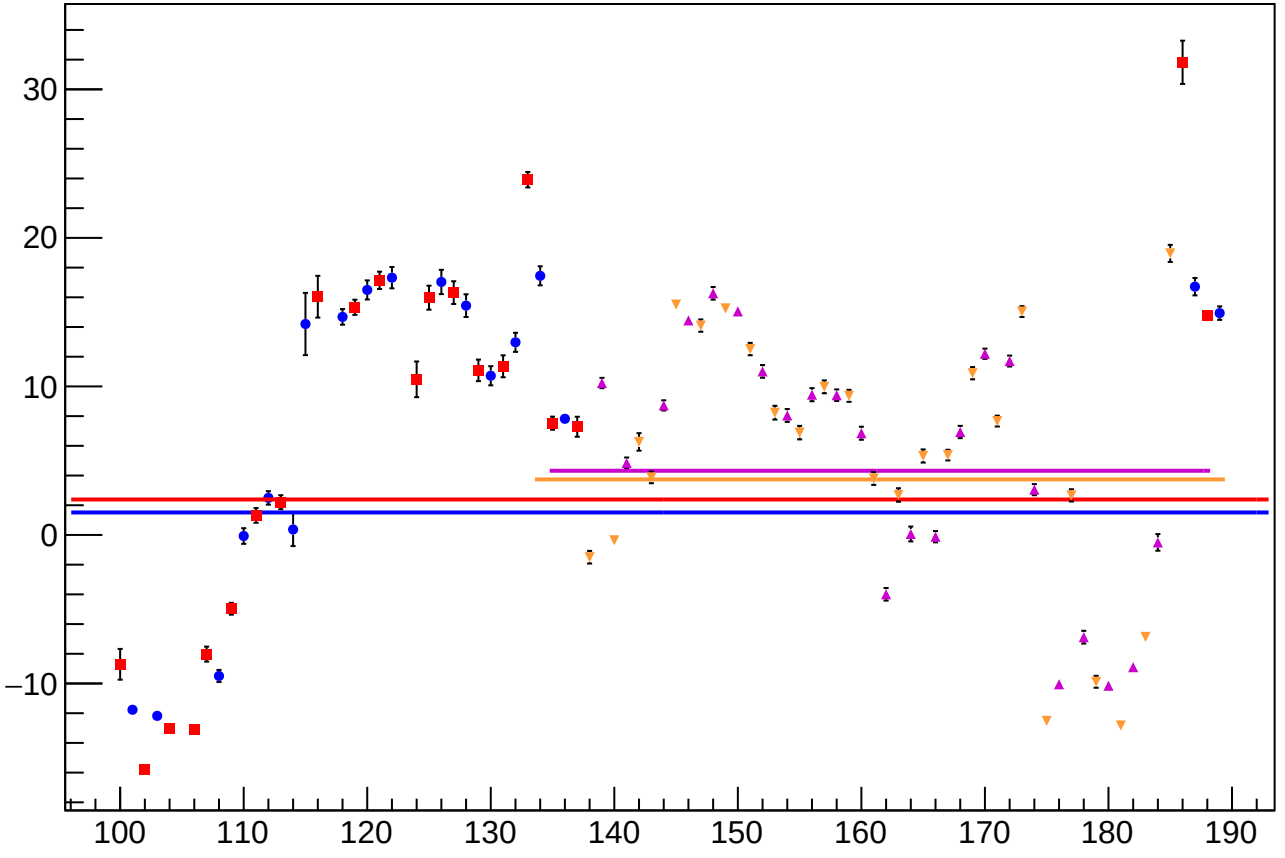
Left In: 3.385+/-0.061 χ^2/NDF:6707.6/22

+ sign 2.859+/-0.052 χ^2/NDF: 19177.5/42

All: 2.922+/-0.037 χ^2/NDF: 35378.4/86

- sign 2.987+/-0.053 χ^2/NDF: 16198.0/43

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 1.515+/-0.113 χ^2/NDF: 10984.7/17

Left Out: 3.738+/-0.076 χ^2/NDF:15586.7/24

Right Out: 2.388+/-0.101 χ^2/NDF: 17169.2/20

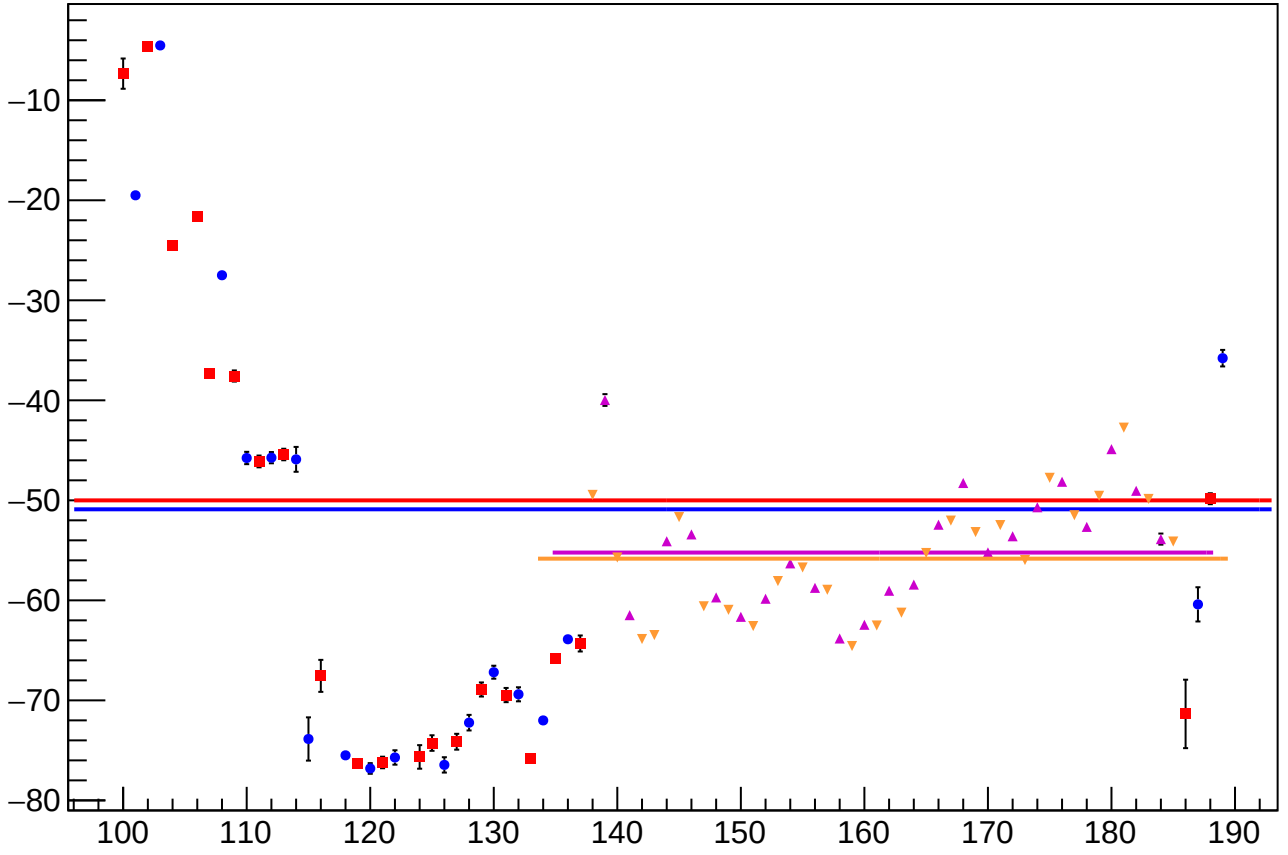
Left In: 4.322+/-0.079 χ^2/NDF:12483.3/22

+ sign 3.043+/-0.063 χ^2/NDF: 26836.1/42

All: 3.322+/-0.044 χ^2/NDF: 56756.1/86

- sign 3.590+/-0.062 χ^2/NDF: 29881.9/43

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: -50.898+/-0.134 χ^2/NDF: 34137.0/17

Left Out: -55.832+/-0.066 χ^2/NDF:7592.5/24

Right Out: -50.005+/-0.127 χ^2/NDF: 33931.6/20

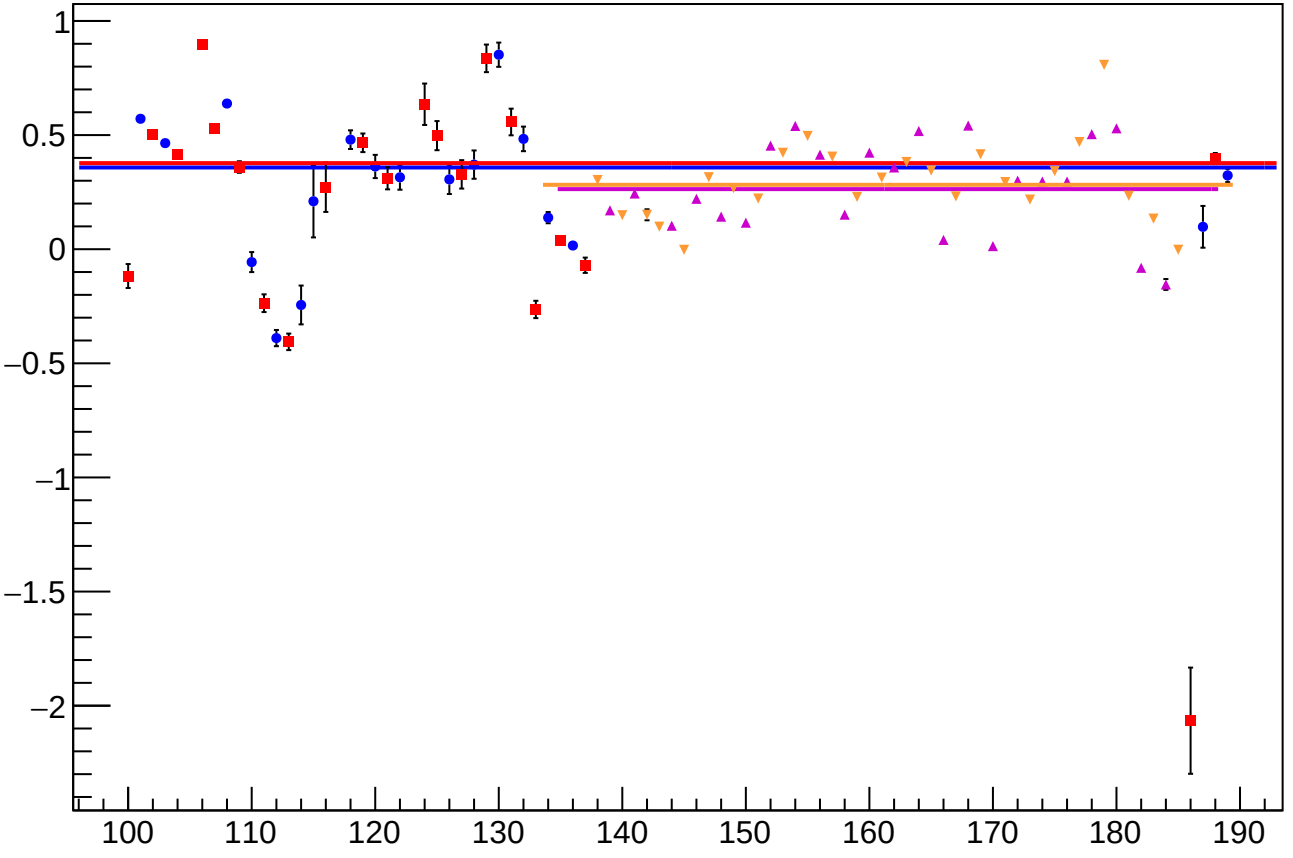
Left In: -55.222+/-0.069 χ^2/NDF:6343.0/22

+ sign -54.855+/-0.059 χ^2/NDF: 42824.1/42

All: -54.455+/-0.042 χ^2/NDF: 84496.1/86

- sign -54.041+/-0.060 χ^2/NDF: 41579.8/43

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.358+/-0.006 χ^2/NDF: 1869.7/17

Left Out: 0.282+/-0.003 χ^2/NDF:2712.4/24

Right Out: 0.377+/-0.006 χ^2/NDF: 2901.5/20

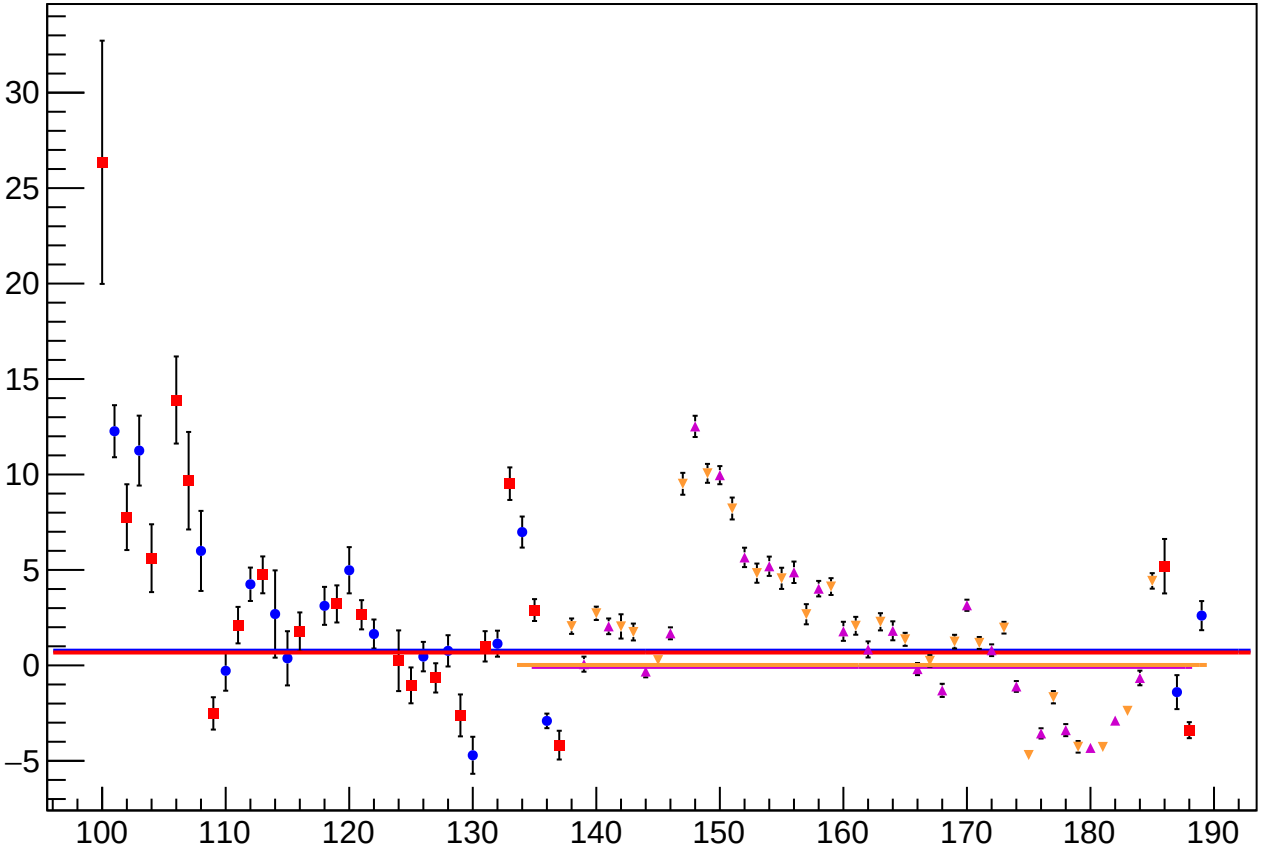
Left In: 0.263+/-0.003 χ^2/NDF:3835.8/22

+ sign 0.296+/-0.003 χ^2/NDF: 4703.6/42

All: 0.292+/-0.002 χ^2/NDF: 11739.9/86

- sign 0.287+/-0.003 χ^2/NDF: 7030.2/43

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.770+/-0.199 χ^2/NDF: 341.8/17

Left Out: 0.022+/-0.069 χ^2/NDF:2759.3/24

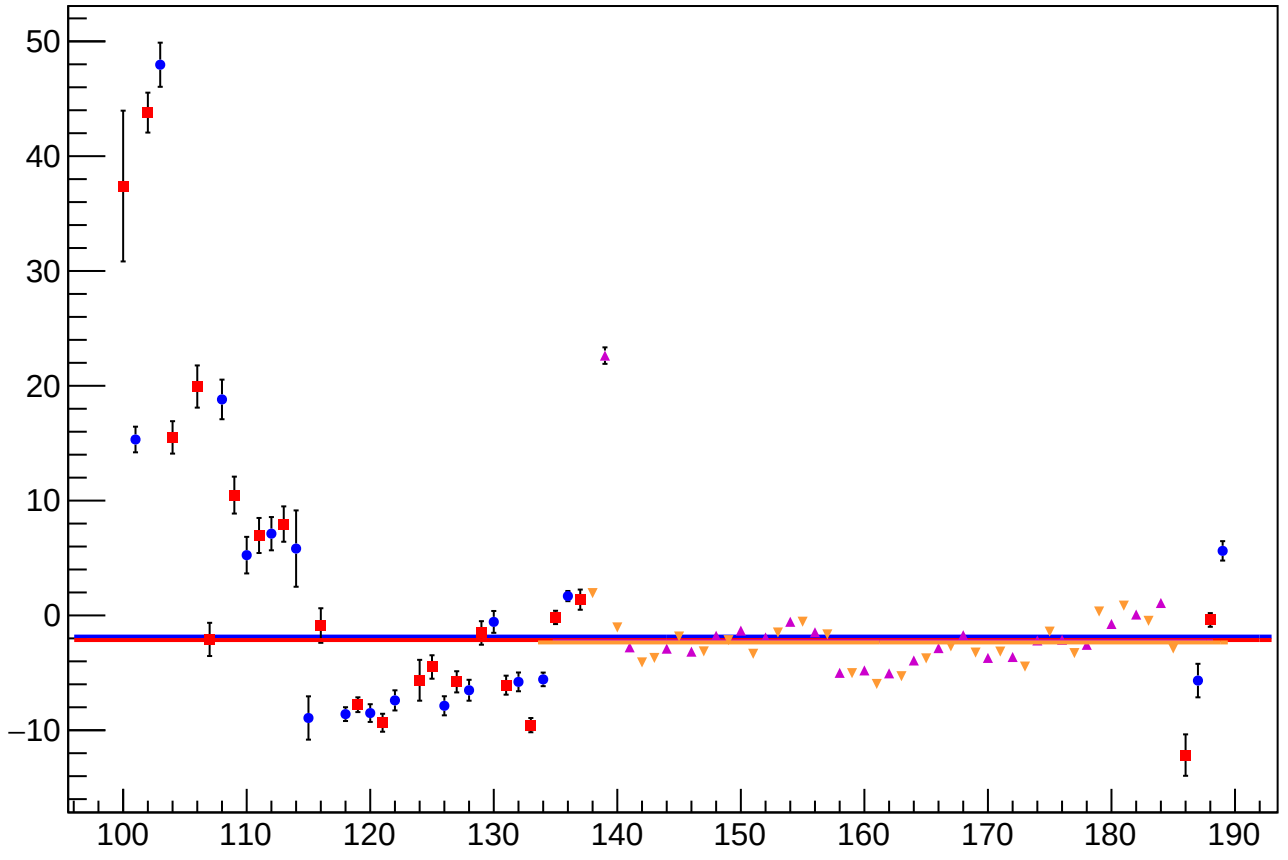
Right Out: 0.674+/-0.195 χ^2/NDF: 419.4/20

Left In: -0.080+/-0.071 χ^2/NDF:2464.5/22

+ sign 0.101+/-0.065 χ^2/NDF: 3113.8/42

All: 0.056+/-0.046 χ^2/NDF: 6011.9/86

- sign 0.008+/-0.066 χ^2/NDF: 2897.1/43



Right In: -1.845+/-0.207 χ^2/NDF: 1660.8/17

Left Out: -2.352+/-0.055 χ^2/NDF:1125.6/24

Right Out: -2.145+/-0.212 χ^2/NDF: 1595.3/20

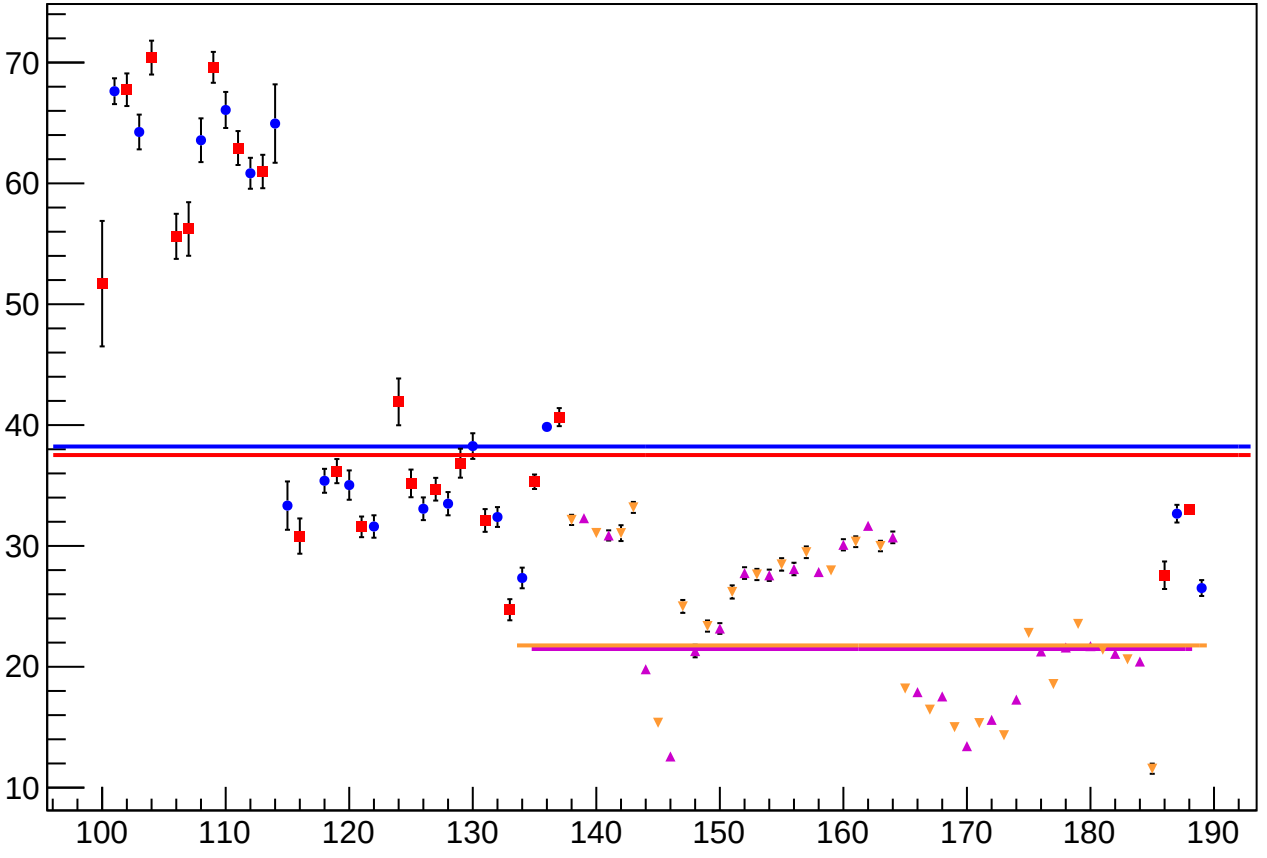
Left In: -2.257+/-0.056 χ^2/NDF:1877.2/22

+ sign -2.319+/-0.053 χ^2/NDF: 2792.1/42

All: -2.285+/-0.038 χ^2/NDF: 6265.7/86

- sign -2.249+/-0.054 χ^2/NDF: 3472.8/43

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 38.227+/-0.209 χ^2/NDF: 2740.6/17

Left Out: 21.768+/-0.069 χ^2/NDF:6814.2/24

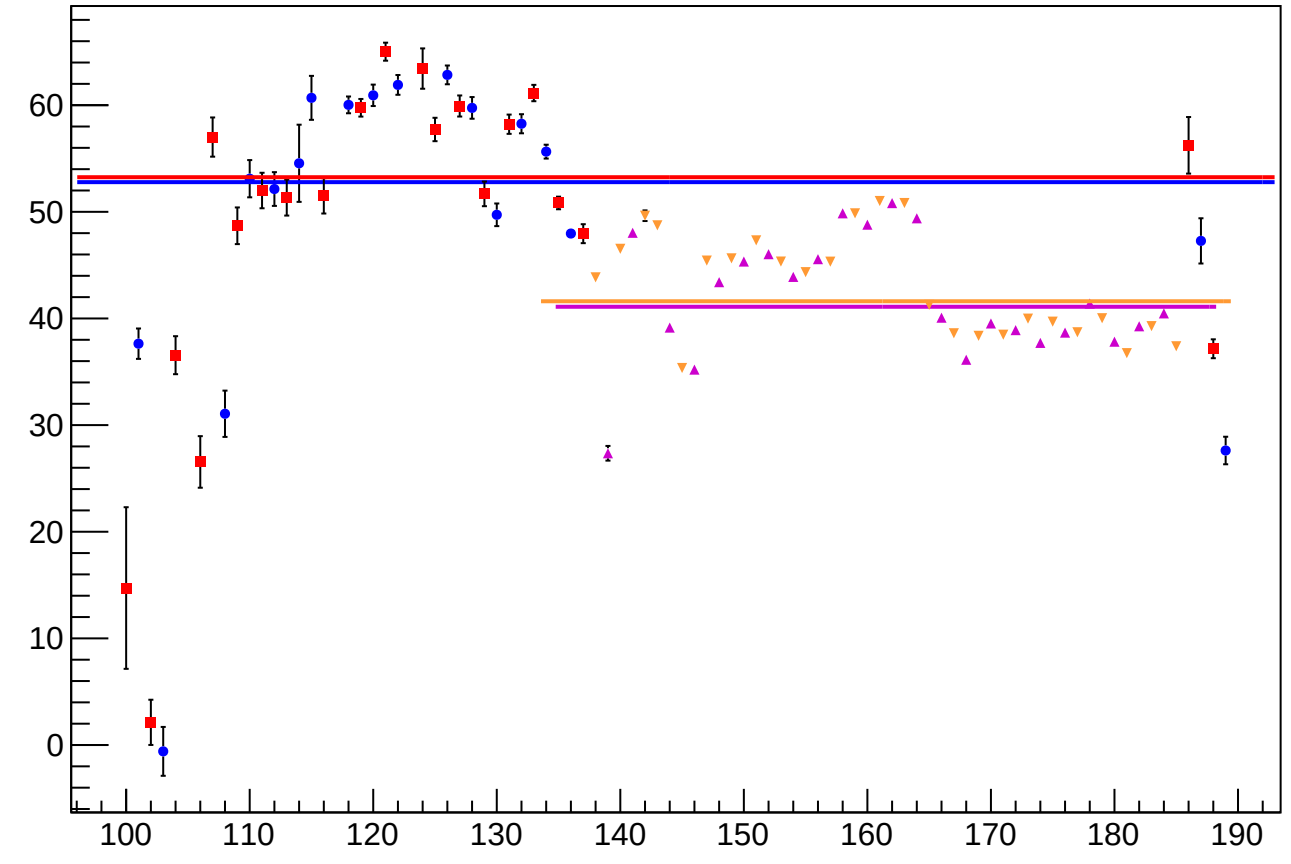
Right Out: 37.520+/-0.198 χ^2/NDF: 3095.2/20

Left In: 21.472+/-0.071 χ^2/NDF:5787.4/22

\+ sign 23.377+/-0.065 χ^2/NDF: 15139.2/42

All: 23.329+/-0.047 χ^2/NDF: 29838.5/86

\- sign 23.279+/-0.067 χ^2/NDF: 14698.2/43



Right In: 52.783+/-0.234 χ^2/NDF: 1764.4/17

Left Out: 41.613+/-0.061 χ^2/NDF:5776.0/24

Right Out: 53.246+/-0.245 χ^2/NDF: 1700.7/20

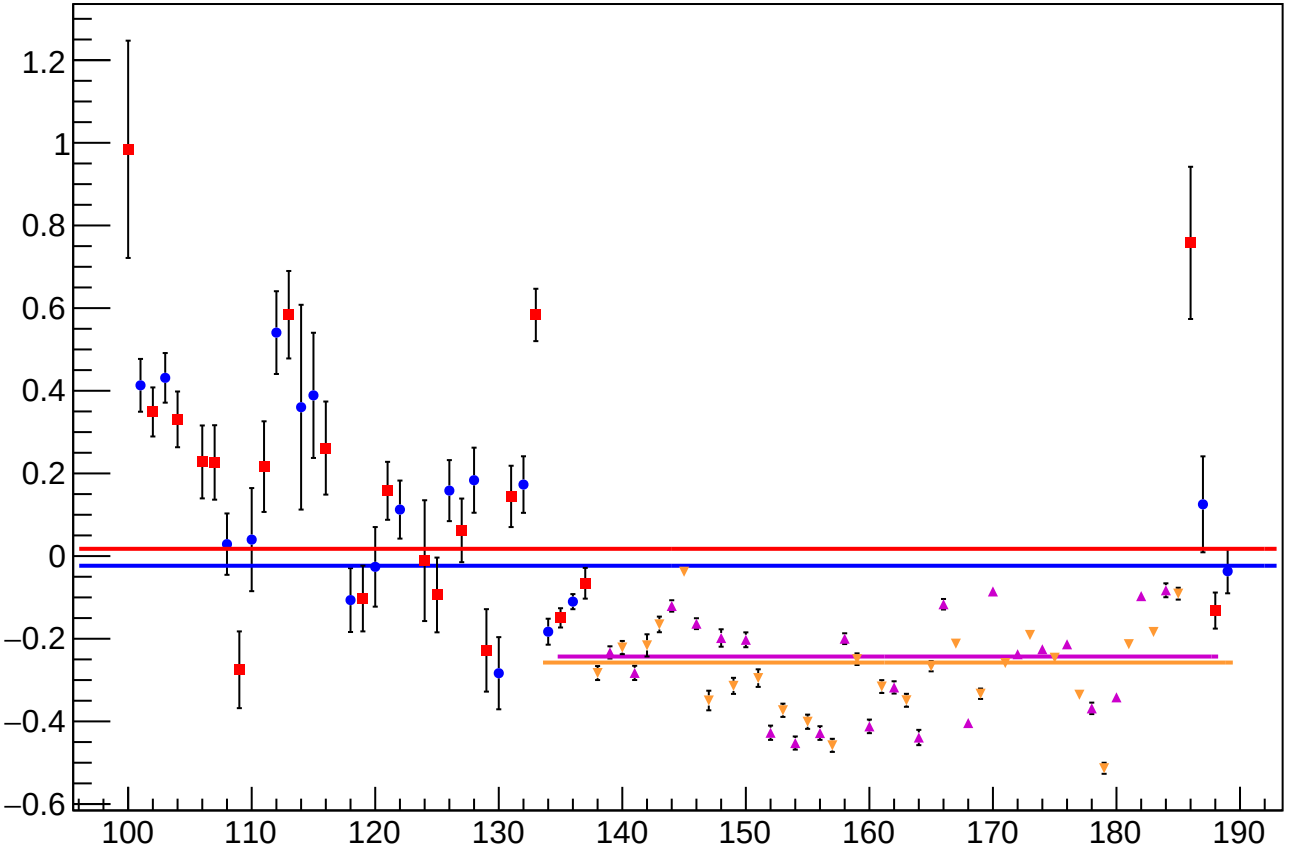
Left In: 41.098+/-0.063 χ^2/NDF:5478.0/22

+ sign 42.332+/-0.059 χ^2/NDF: 9680.0/42

All: 42.094+/-0.042 χ^2/NDF: 19199.7/86

- sign 41.844+/-0.061 χ^2/NDF: 9486.6/43

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.023+/-0.012 χ^2/NDF: 231.4/17

Left Out: -0.258+/-0.003 χ^2/NDF:1515.1/24

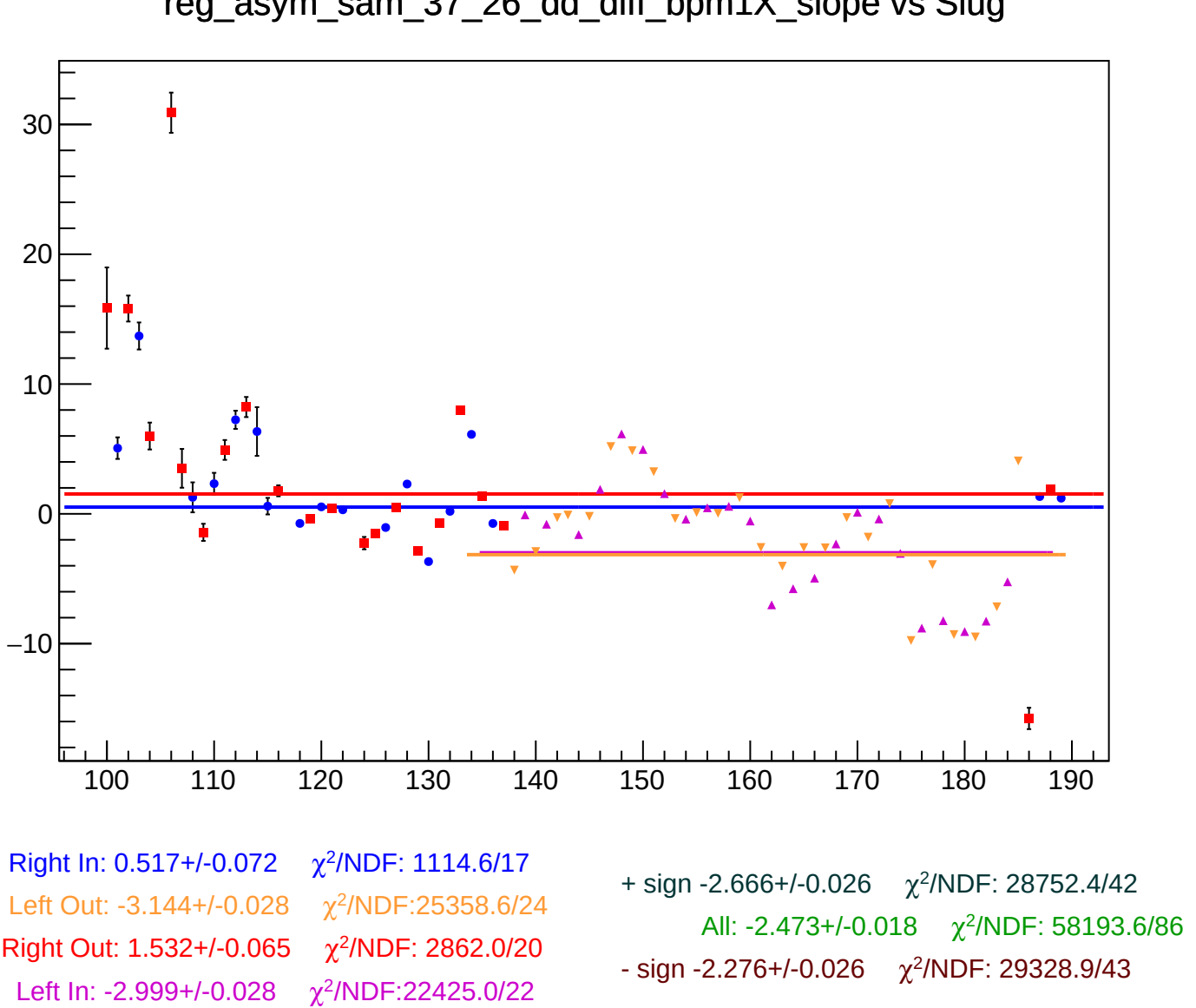
Right Out: 0.018+/-0.014 χ^2/NDF: 305.0/20

Left In: -0.243+/-0.003 χ^2/NDF:1811.8/22

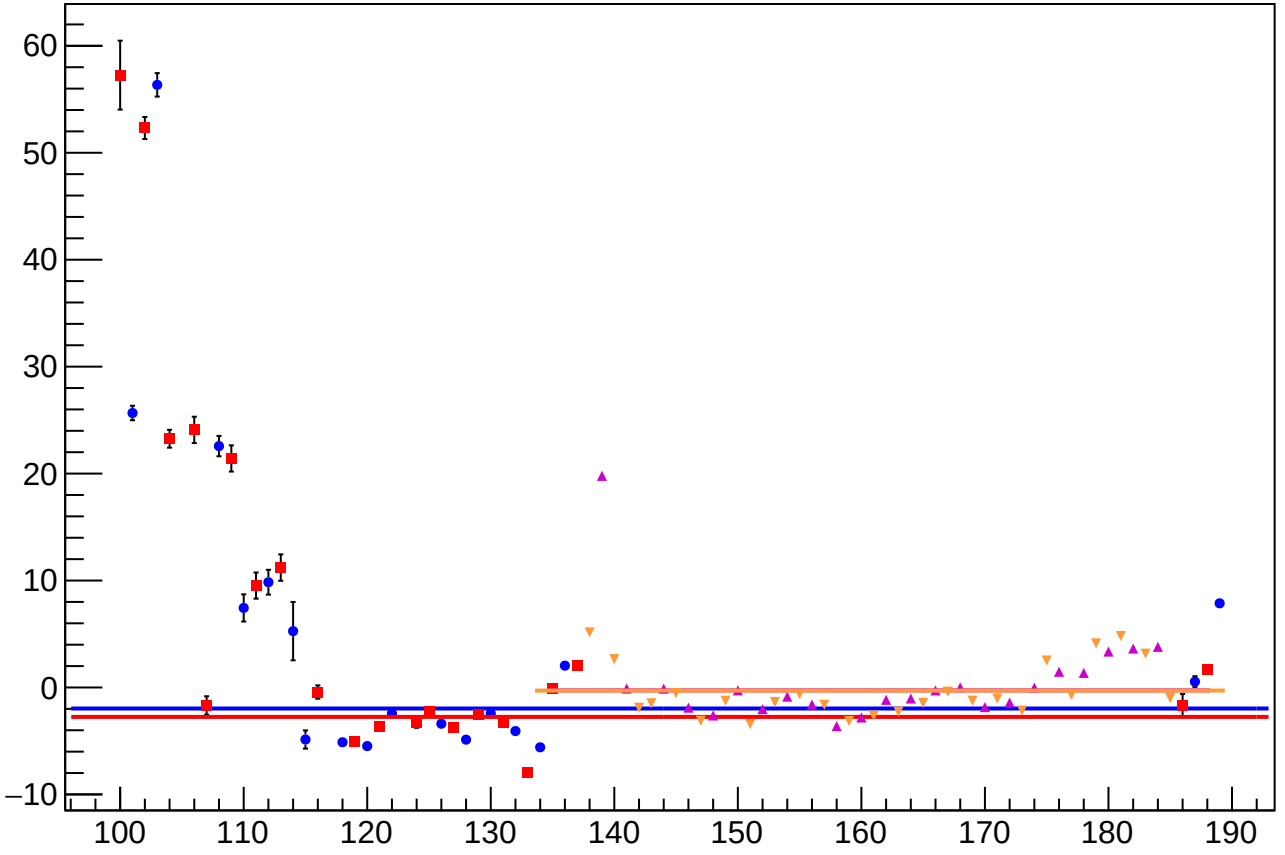
+ sign -0.247+/-0.003 χ^2/NDF: 2087.9/42

All: -0.240+/-0.002 χ^2/NDF: 4576.1/86

- sign -0.233+/-0.003 χ^2/NDF: 2474.0/43


reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug
30
20
10
0
−10
100
110
120
130
140
150
160
170
180
190
Right In: 0.517+/-0.072 χ²/NDF: 1114.6/17
Left Out: -3.144+/-0.028 χ²/NDF:25358.6/24
Right Out: 1.532+/-0.065 χ²/NDF: 2862.0/20
Left In: -2.999+/-0.028 χ²/NDF:22425.0/22
+ sign -2.666+/-0.026 χ²/NDF: 28752.4/42
All: -2.473+/-0.018 χ²/NDF: 58193.6/86
- sign -2.276+/-0.026 χ²/NDF: 29328.9/43

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: -1.966+/-0.068 χ^2/NDF: 8582.3/17

Left Out: -0.288+/-0.022 χ^2/NDF:12198.2/24

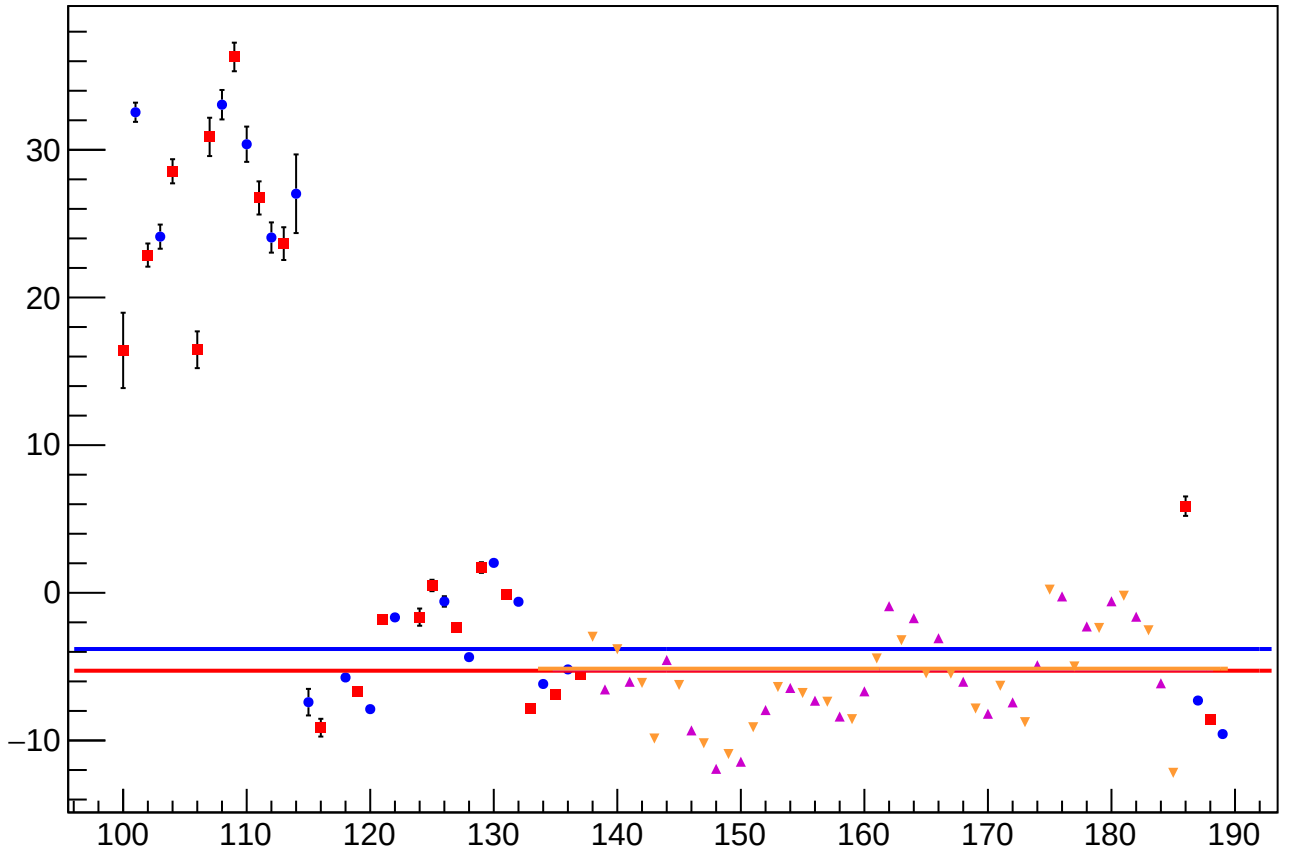
Right Out: -2.751+/-0.066 χ^2/NDF: 7910.0/20

Left In: -0.271+/-0.022 χ^2/NDF:13220.8/22

+ sign -0.445+/-0.021 χ^2/NDF: 21336.0/42

All: -0.486+/-0.015 χ^2/NDF: 43759.1/86

- sign -0.528+/-0.021 χ^2/NDF: 22415.2/43



Right In: -3.806+/-0.074 χ^2/NDF: 9276.5/17

Left Out: -5.138+/-0.028 χ^2/NDF:14626.0/24

Right Out: -5.276+/-0.064 χ^2/NDF: 10385.9/20

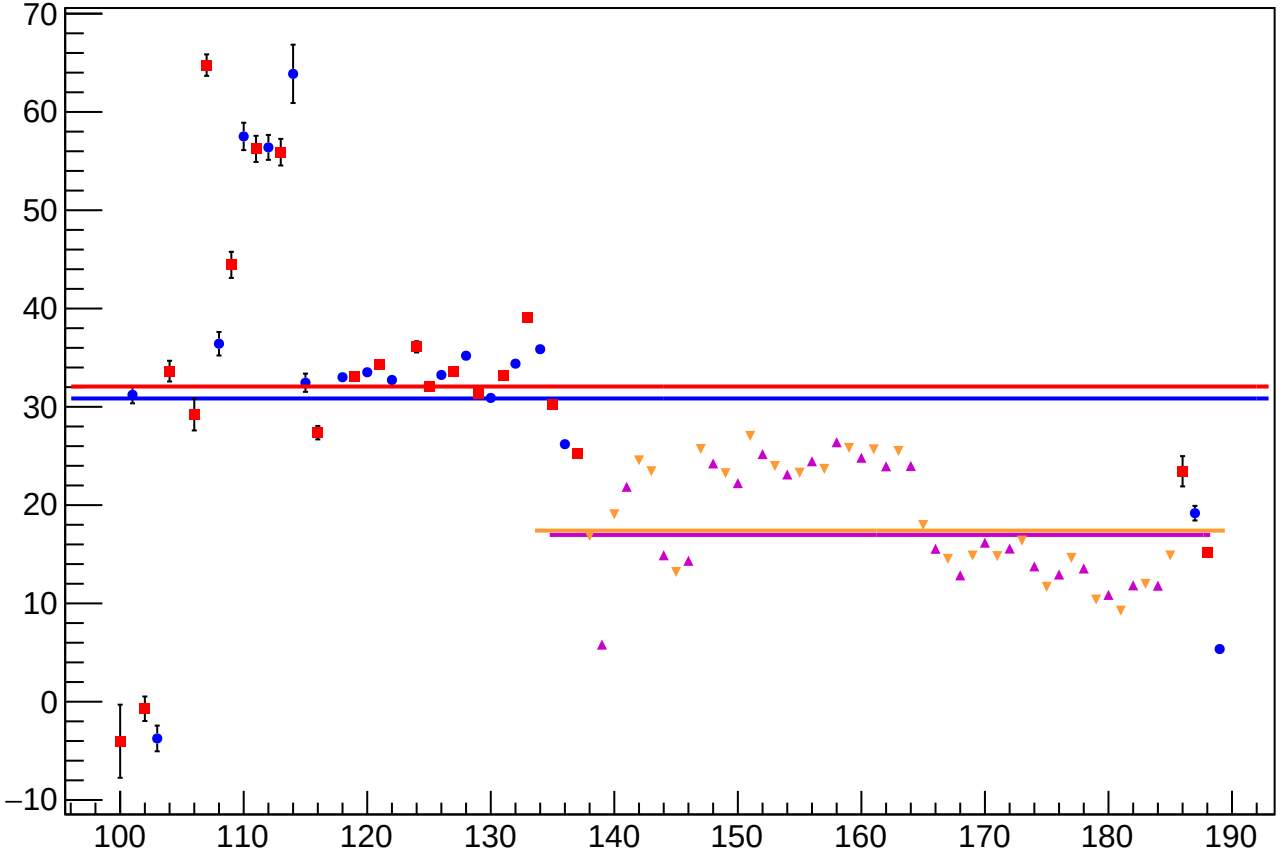
Left In: -5.177+/-0.028 χ^2/NDF:13963.7/22

+ sign -4.974+/-0.026 χ^2/NDF: 24185.3/42

All: -5.084+/-0.018 χ^2/NDF: 48572.6/86

- sign -5.194+/-0.026 χ^2/NDF: 24351.6/43

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 30.849+/-0.079 χ^2/NDF: 7765.2/17

Left Out: 17.409+/-0.024 χ^2/NDF:50630.8/24

Right Out: 32.065+/-0.078 χ^2/NDF: 9158.7/20

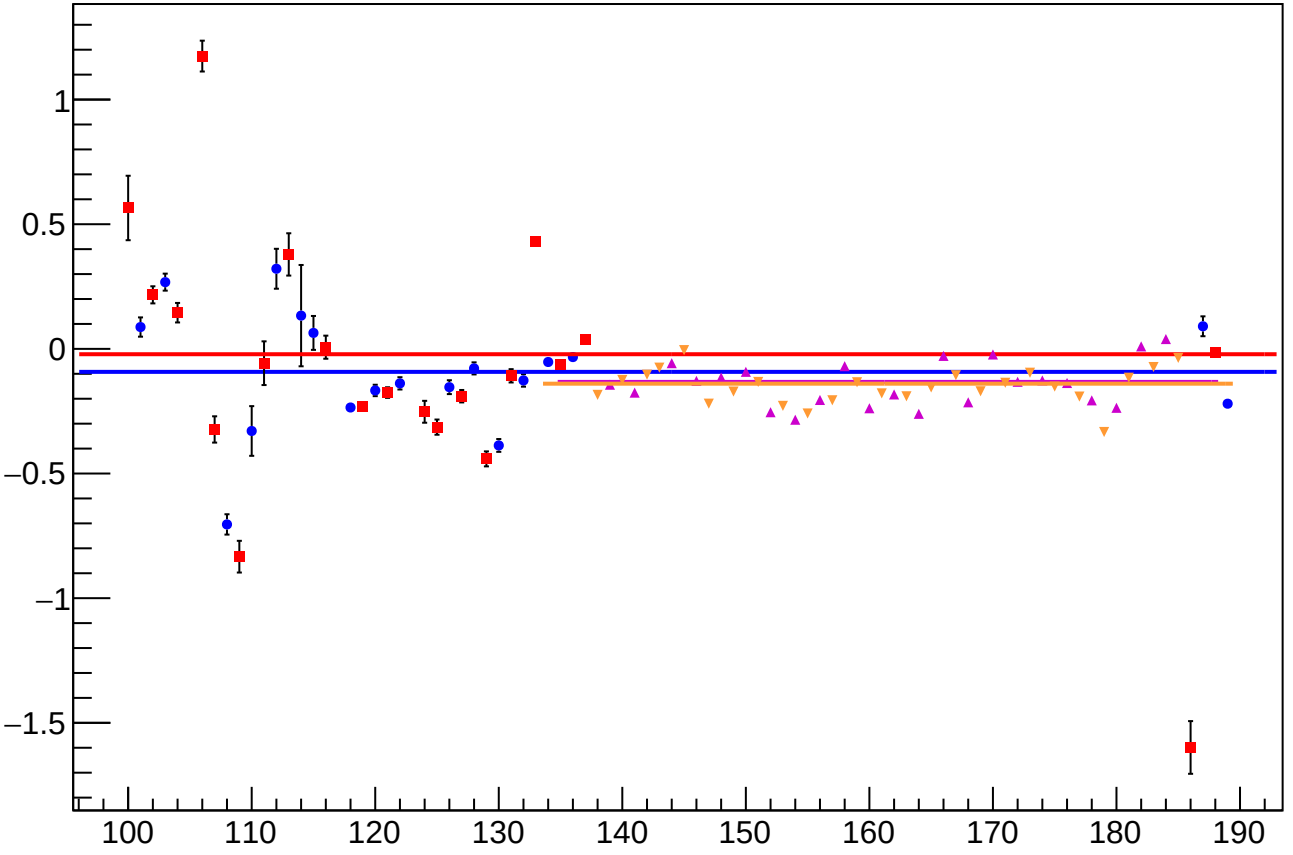
Left In: 16.967+/-0.025 χ^2/NDF:39939.4/22

\+ sign 18.578+/-0.023 χ^2/NDF: 84680.9/42

All: 18.485+/-0.017 χ^2/NDF: 168113.5/86

\- sign 18.388+/-0.024 χ^2/NDF: 83400.2/43

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.092+/-0.005 χ^2/NDF: 787.6/17

Left Out: -0.140+/-0.001 χ^2/NDF:4108.2/24

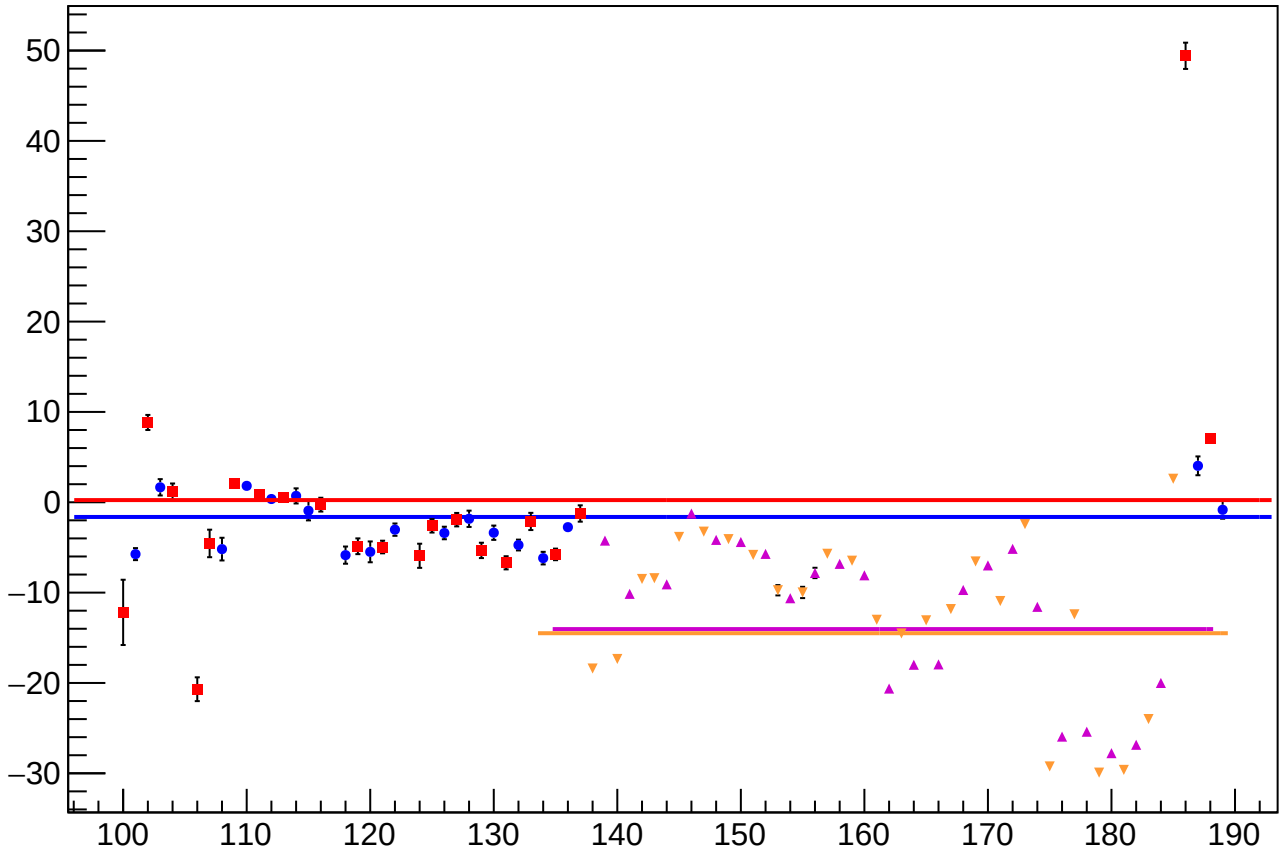
Right Out: -0.021+/-0.005 χ^2/NDF: 2497.0/20

Left In: -0.133+/-0.001 χ^2/NDF:5529.7/22

+ sign -0.137+/-0.001 χ^2/NDF: 4997.9/42

All: -0.132+/-0.001 χ^2/NDF: 13594.4/86

- sign -0.127+/-0.001 χ^2/NDF: 8549.3/43



Right In: -1.626+/-0.153 χ^2/NDF: 328.8/17

Left Out: -14.494+/-0.075 χ^2/NDF:17232.7/24

Right Out: 0.241+/-0.142 χ^2/NDF: 2093.3/20

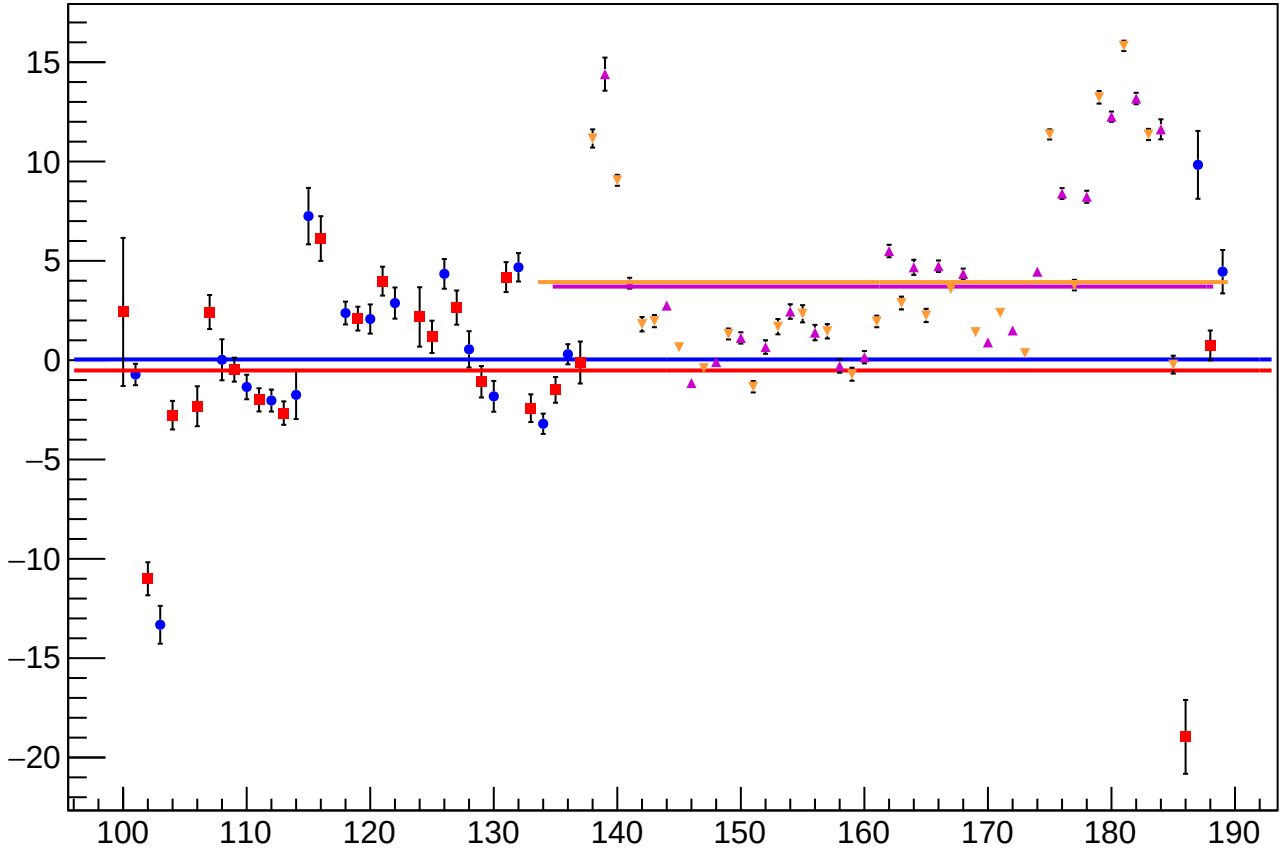
Left In: -14.038+/-0.077 χ^2/NDF:13482.5/22

\+ sign -12.026+/-0.067 χ^2/NDF: 23242.3/42

All: -11.422+/-0.048 χ^2/NDF: 46789.2/86

\- sign -10.811+/-0.068 χ^2/NDF: 23384.4/43

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 0.037+/-0.170 χ^2/NDF: 453.8/17

Left Out: 3.932+/-0.058 χ^2/NDF:6979.2/24

Right Out: -0.519+/-0.172 χ^2/NDF: 467.9/20

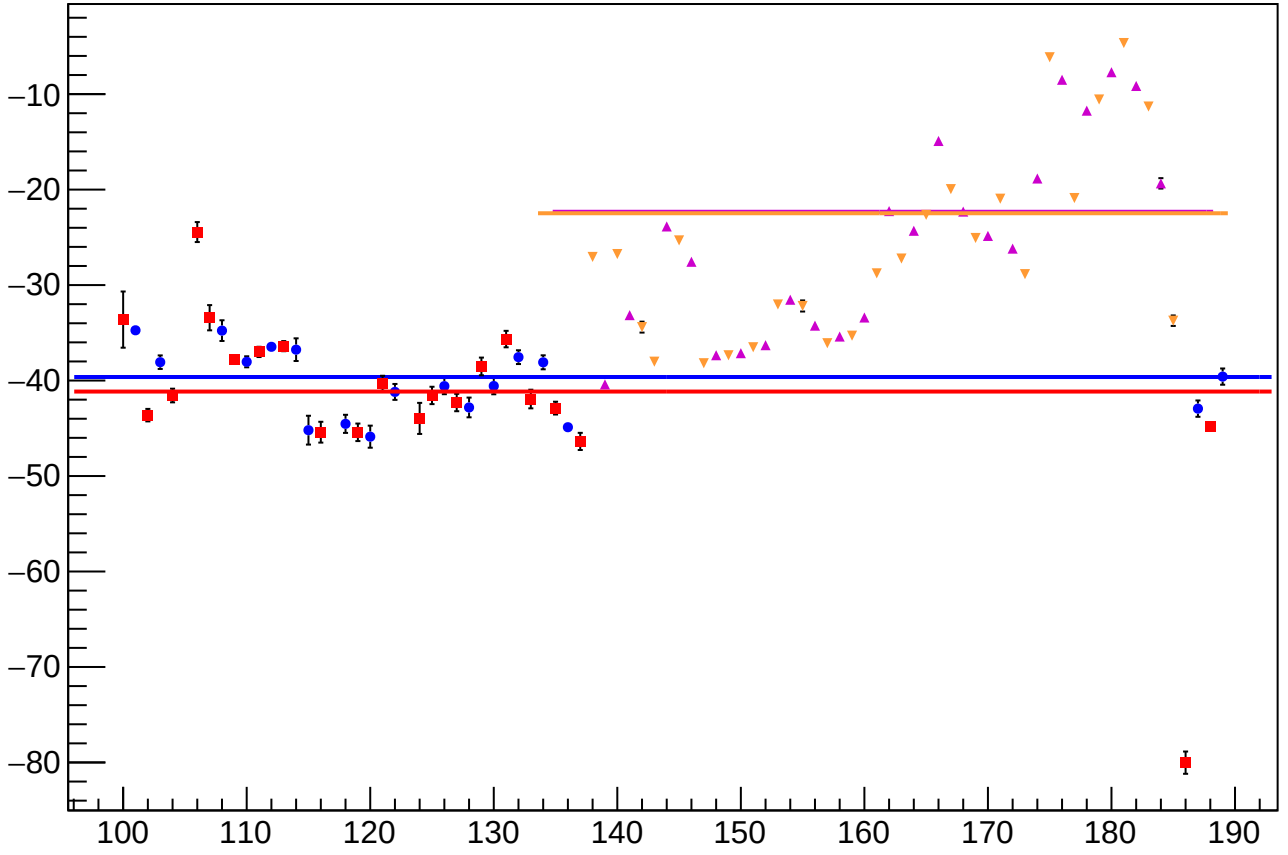
Left In: 3.703+/-0.059 χ^2/NDF:4788.5/22

+ sign 3.527+/-0.055 χ^2/NDF: 7903.2/42

All: 3.393+/-0.039 χ^2/NDF: 13711.8/86

- sign 3.253+/-0.056 χ^2/NDF: 5796.4/43

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -39.628+/-0.173 χ^2/NDF: 424.9/17

Left Out: -22.478+/-0.075 χ^2/NDF:20417.4/24

Right Out: -41.152+/-0.165 χ^2/NDF: 1812.4/20

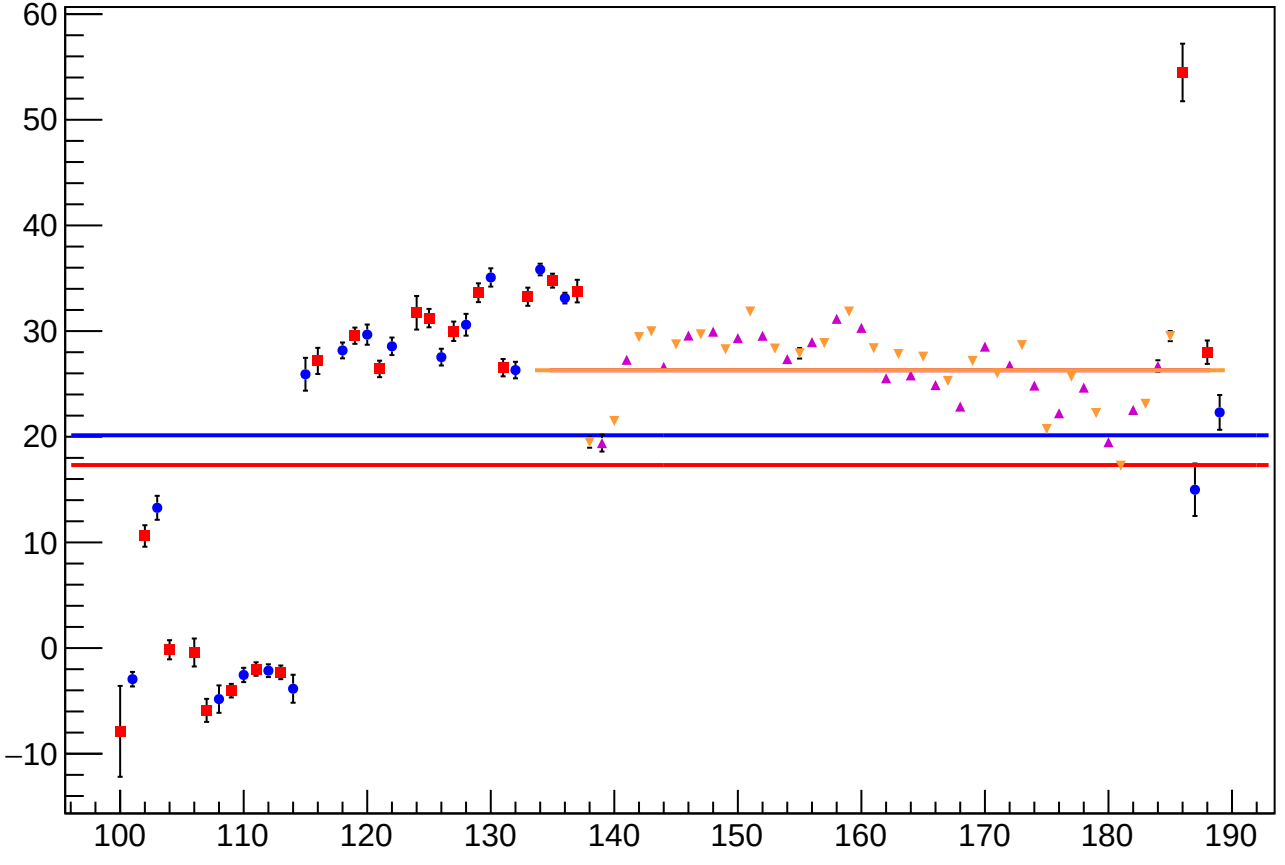
Left In: -22.322+/-0.077 χ^2/NDF:17133.3/22

\+ sign -25.186+/-0.069 χ^2/NDF: 29148.7/42

All: -25.419+/-0.049 χ^2/NDF: 58827.9/86

\- sign -25.657+/-0.069 χ^2/NDF: 29656.0/43

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 20.139+/-0.193 χ^2/NDF: 6690.6/17

Left Out: 26.296+/-0.065 χ^2/NDF:3307.8/24

Right Out: 17.322+/-0.196 χ^2/NDF: 7025.5/20

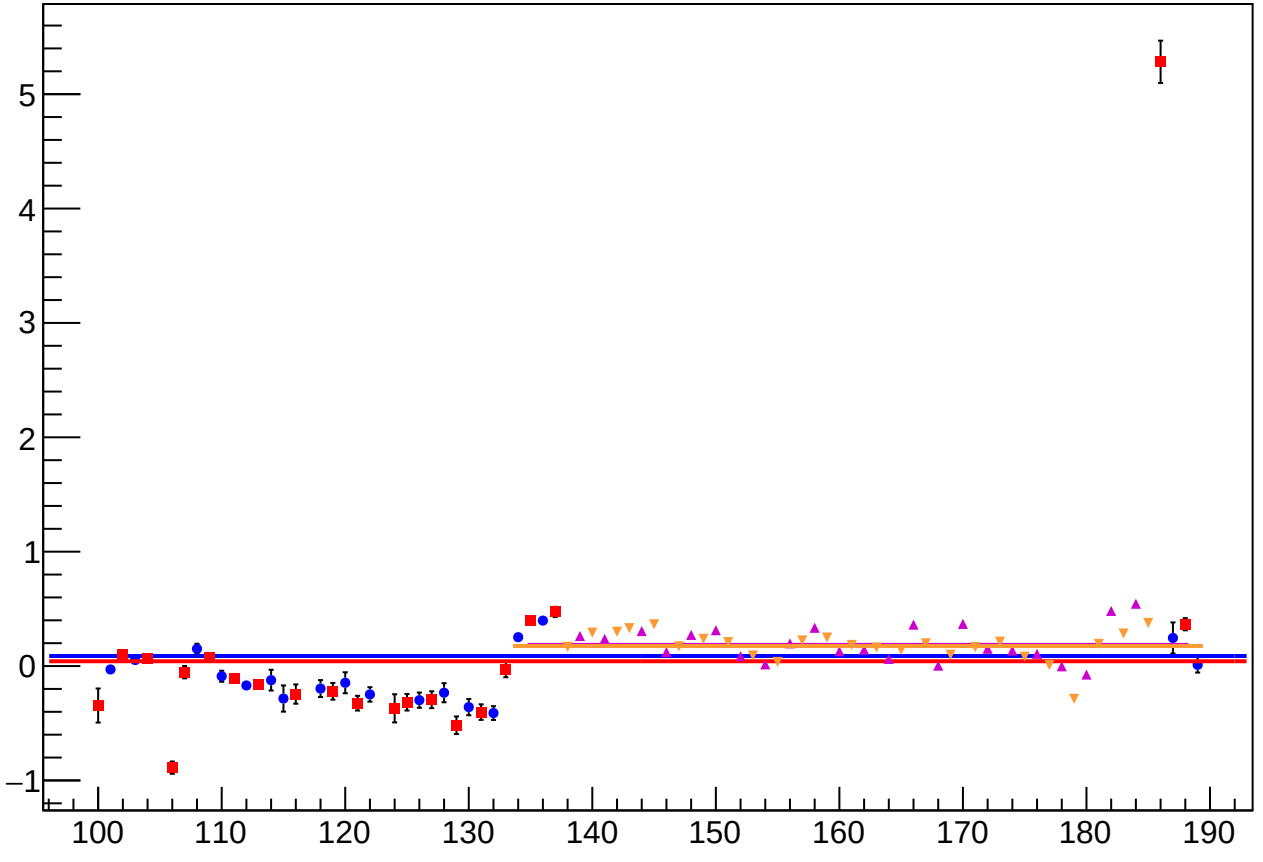
Left In: 26.292+/-0.067 χ^2/NDF:2185.8/22

+ sign 25.666+/-0.062 χ^2/NDF: 10914.2/42

All: 25.518+/-0.044 χ^2/NDF: 22014.3/86

- sign 25.363+/-0.063 χ^2/NDF: 11088.4/43

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: 0.088+/-0.010 χ^2/NDF: 566.6/17

Left Out: 0.176+/-0.003 χ^2/NDF:1935.6/24

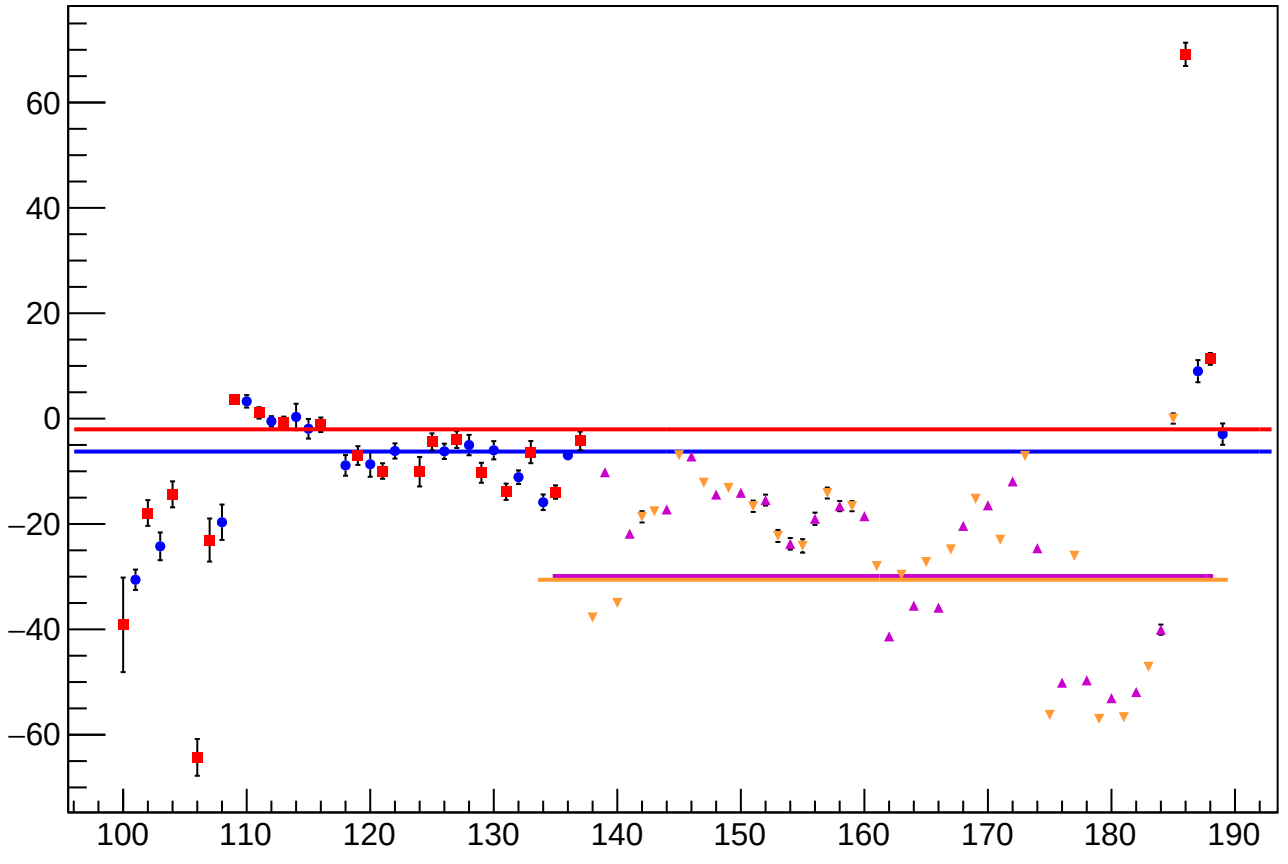
Right Out: 0.042+/-0.011 χ^2/NDF: 1680.1/20

Left In: 0.185+/-0.003 χ^2/NDF:2538.5/22

+ sign 0.169+/-0.003 χ^2/NDF: 2569.7/42

All: 0.172+/-0.002 χ^2/NDF: 6954.0/86

- sign 0.175+/-0.003 χ^2/NDF: 4382.3/43



Right In: -6.253+/-0.364 χ^2/NDF: 447.8/17

Left Out: -30.587+/-0.142 χ^2/NDF:16046.0/24

Right Out: -2.035+/-0.346 χ^2/NDF: 1871.4/20

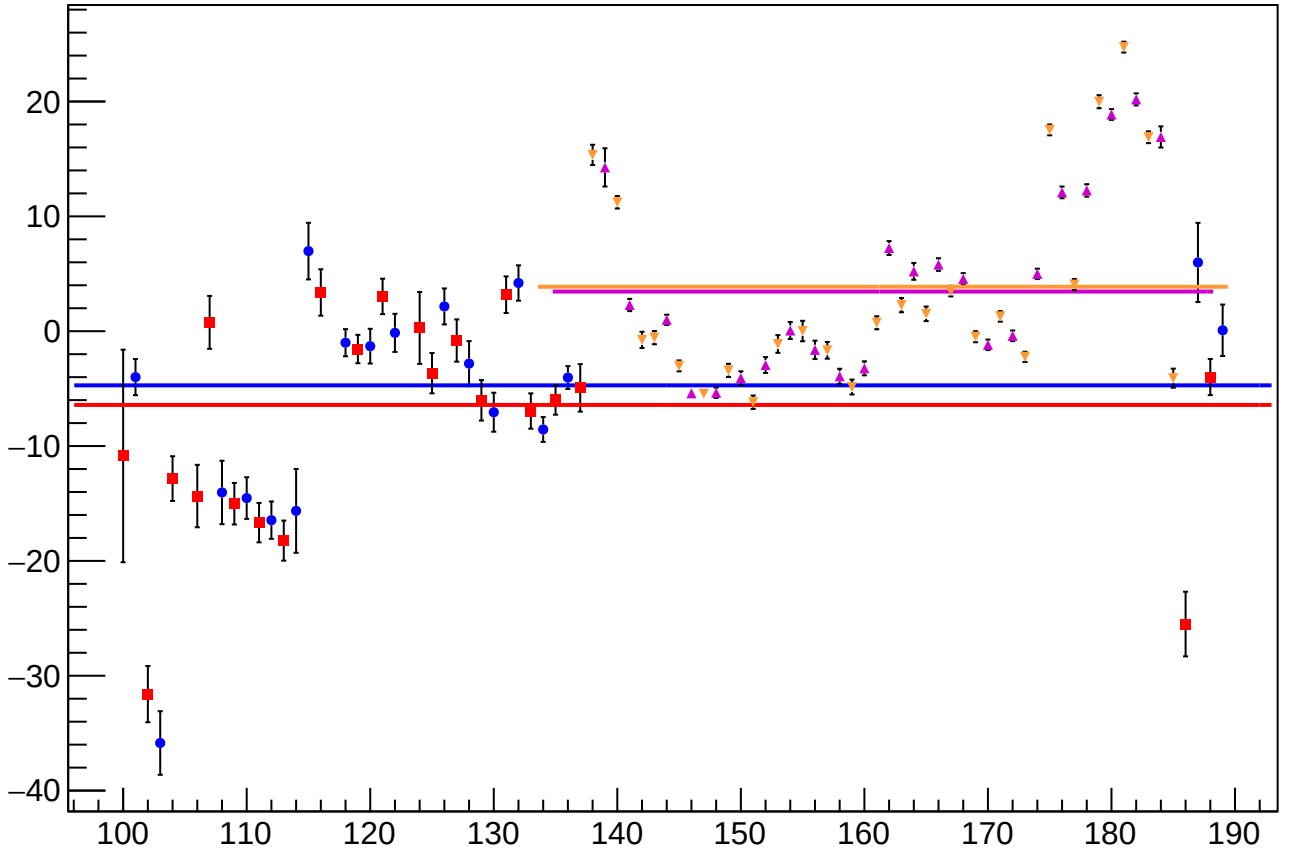
Left In: -29.878+/-0.146 χ^2/NDF:12034.7/22

+ sign -27.364+/-0.132 χ^2/NDF: 20376.4/42

All: -26.526+/-0.094 χ^2/NDF: 39860.1/86

- sign -25.658+/-0.135 χ^2/NDF: 19402.0/43

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -4.714+/-0.387 χ^2/NDF: 356.5/17

Left Out: 3.873+/-0.111 χ^2/NDF:6542.0/24

Right Out: -6.420+/-0.399 χ^2/NDF: 417.7/20

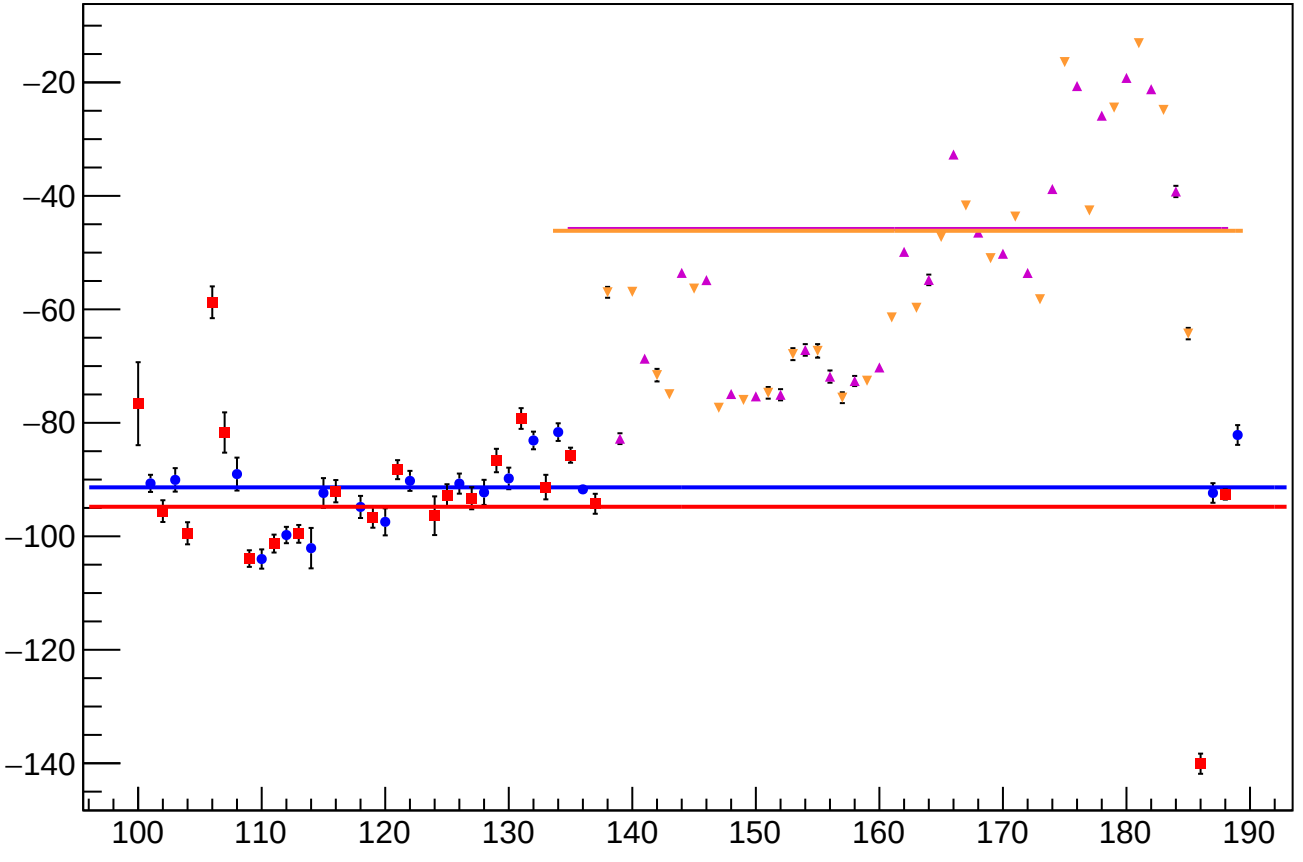
Left In: 3.453+/-0.114 χ^2/NDF:4693.7/22

+ sign 3.218+/-0.107 χ^2/NDF: 7353.7/42

All: 2.970+/-0.076 χ^2/NDF: 13043.5/86

- sign 2.710+/-0.109 χ^2/NDF: 5678.8/43

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -91.370+/-0.401 χ^2/NDF: 206.9/17

Left Out: -46.153+/-0.142 χ^2/NDF:21455.9/24

Right Out: -94.793+/-0.385 χ^2/NDF: 1069.1/20

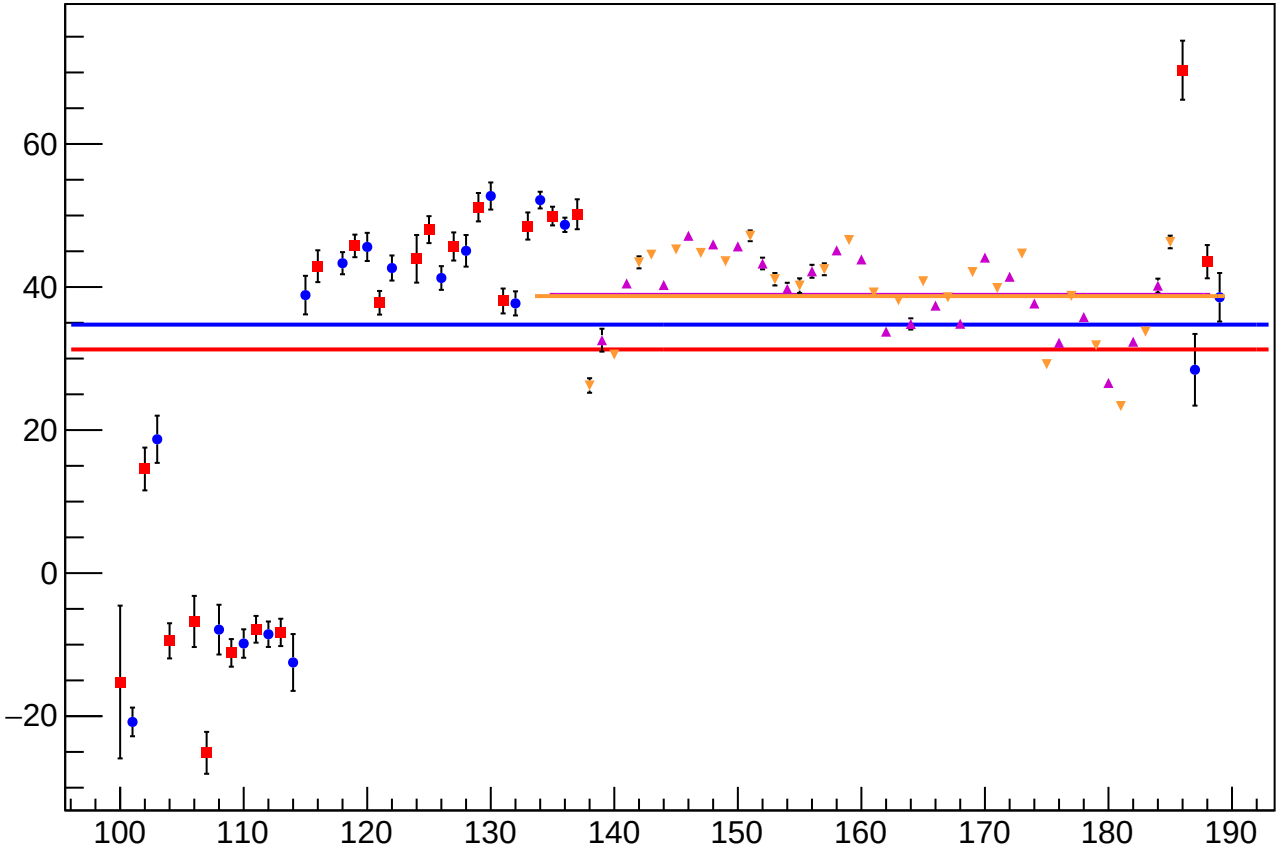
Left In: -45.833+/-0.146 χ^2/NDF:17924.6/22

+ sign -51.222+/-0.134 χ^2/NDF: 32963.5/42

All: -51.596+/-0.096 χ^2/NDF: 66098.8/86

- sign -51.984+/-0.137 χ^2/NDF: 33119.5/43

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 34.745+/-0.437 χ^2/NDF: 2812.0/17

Left Out: 38.730+/-0.125 χ^2/NDF:2781.7/24

Right Out: 31.274+/-0.455 χ^2/NDF: 3033.0/20

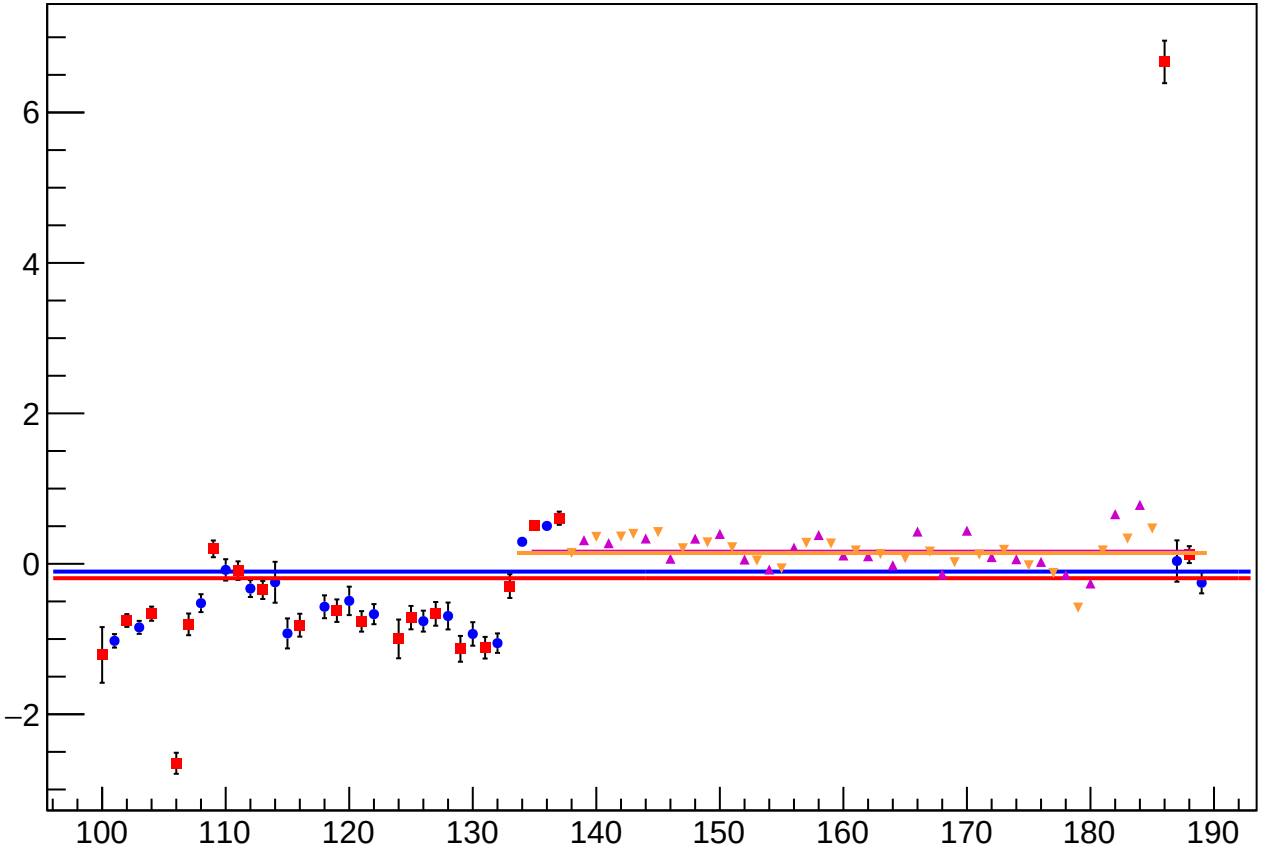
Left In: 38.905+/-0.127 χ^2/NDF:1971.6/22

+ sign 38.430+/-0.120 χ^2/NDF: 5670.8/42

All: 38.391+/-0.086 χ^2/NDF: 10936.3/86

- sign 38.350+/-0.123 χ^2/NDF: 5265.3/43

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.103+/-0.024 χ^2/NDF: 632.8/17

Left Out: 0.144+/-0.006 χ^2/NDF:1442.8/24

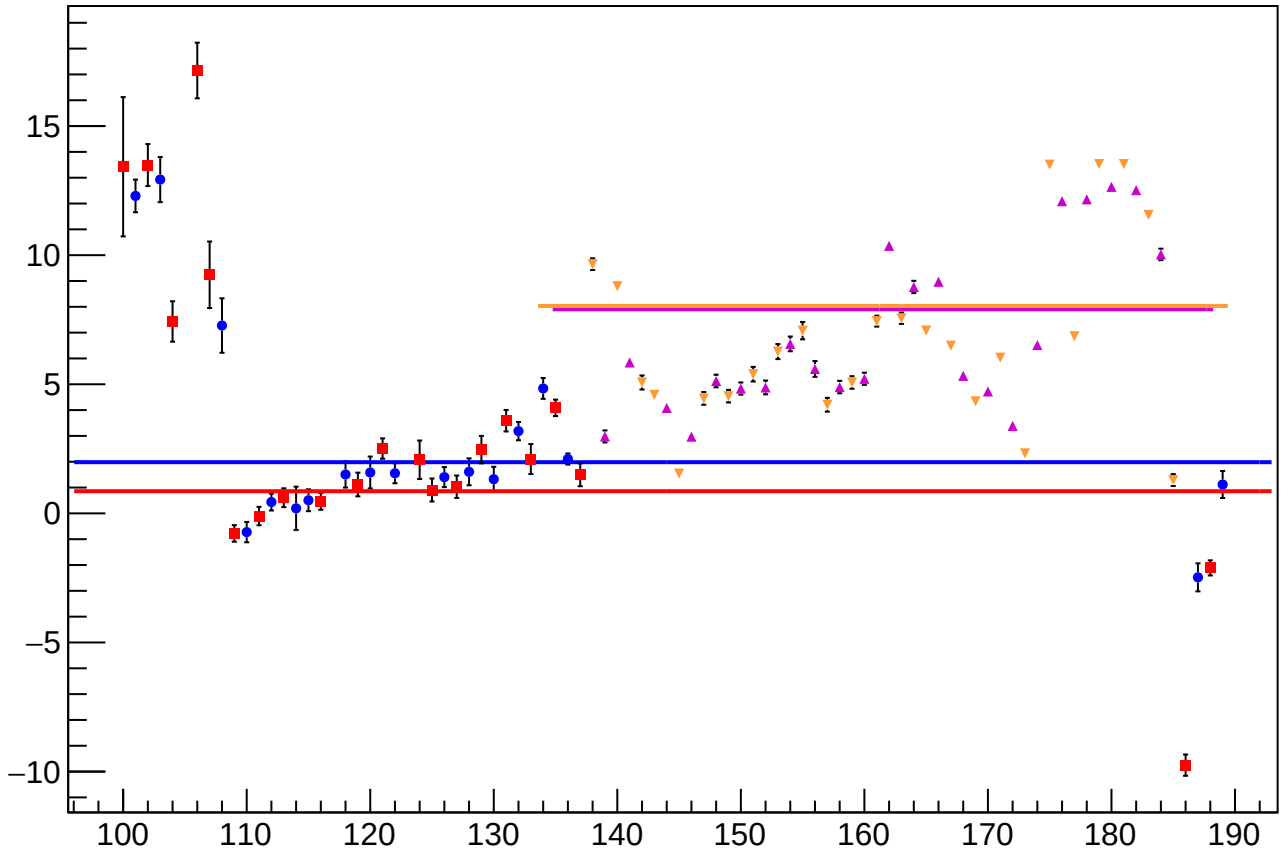
Right Out: -0.191+/-0.026 χ^2/NDF: 1429.0/20

Left In: 0.161+/-0.006 χ^2/NDF:1918.8/22

+ sign 0.131+/-0.005 χ^2/NDF: 2179.6/42

All: 0.137+/-0.004 χ^2/NDF: 5712.3/86

- sign 0.145+/-0.006 χ^2/NDF: 3529.5/43



Right In: 1.982+/-0.101 χ^2/NDF: 673.1/17

Left Out: 8.034+/-0.035 χ^2/NDF:13924.1/24

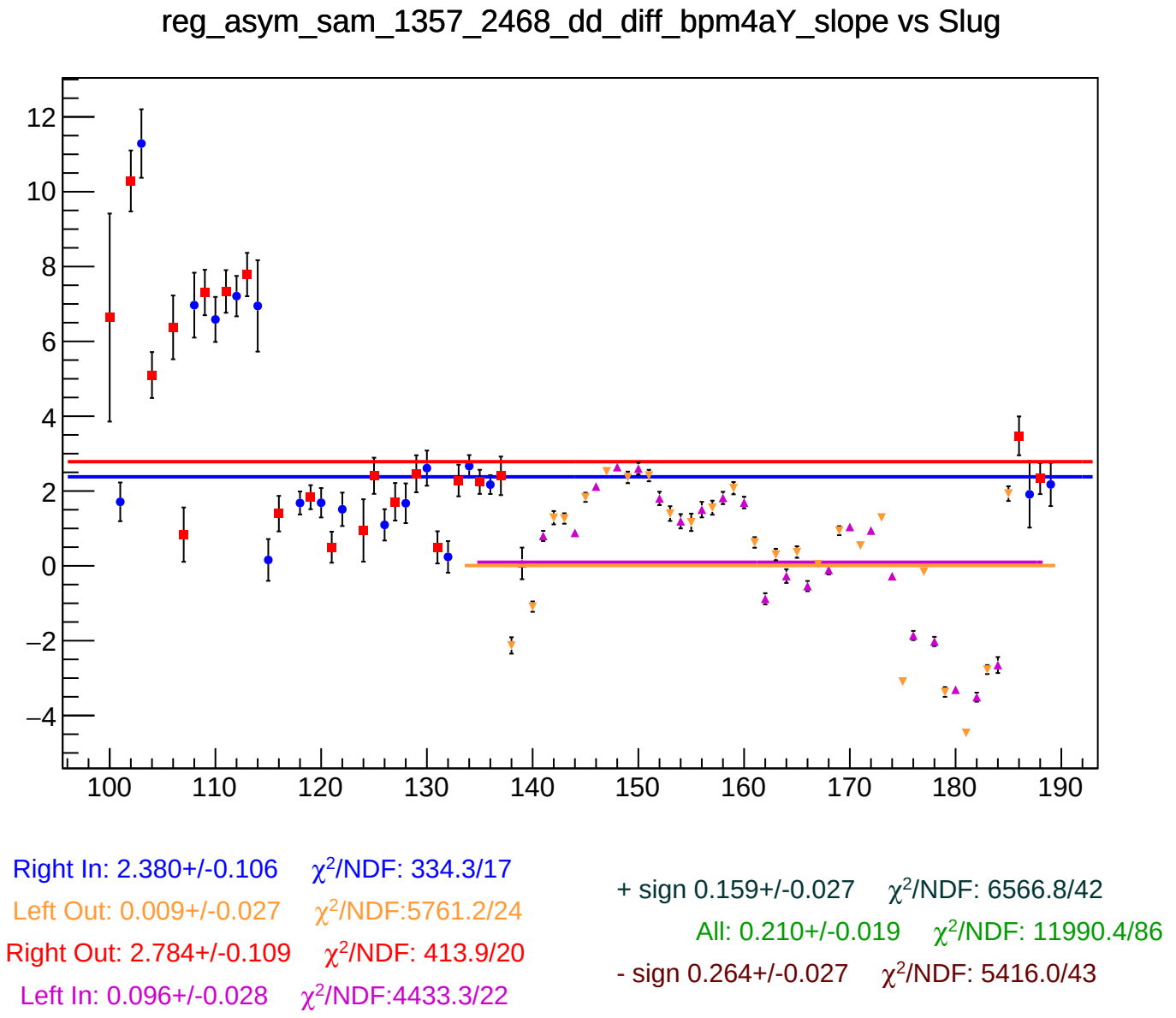
Right Out: 0.858+/-0.096 χ^2/NDF: 1585.5/20

Left In: 7.903+/-0.036 χ^2/NDF:10017.8/22

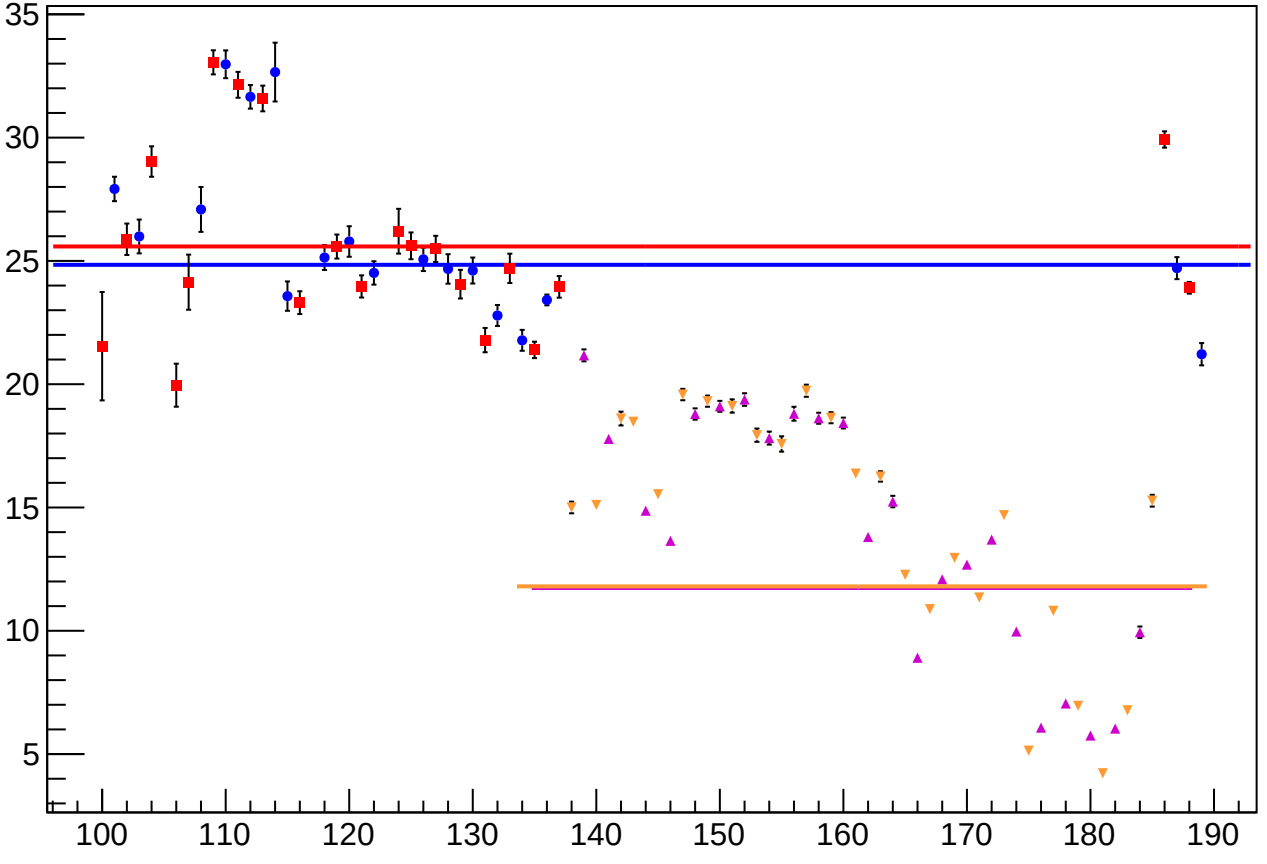
\+ sign 7.396+/-0.033 χ^2/NDF: 17800.0/42

All: 7.227+/-0.023 χ^2/NDF: 34142.0/86

\- sign 7.051+/-0.034 χ^2/NDF: 16287.9/43


reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug
12
10
8
6
4
2
0
−2
−4
100
110
120
130
140
150
160
170
180
190
Right In: 2.380+/-0.106 χ²/NDF: 334.3/17
Left Out: 0.009+/-0.027 χ²/NDF:5761.2/24
Right Out: 2.784+/-0.109 χ²/NDF: 413.9/20
Left In: 0.096+/-0.028 χ²/NDF:4433.3/22
+ sign 0.159+/-0.027 χ²/NDF: 6566.8/42
All: 0.210+/-0.019 χ²/NDF: 11990.4/86
- sign 0.264+/-0.027 χ²/NDF: 5416.0/43

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 24.841+/-0.110 χ^2/NDF: 692.2/17

Left Out: 11.802+/-0.035 χ^2/NDF:21479.5/24

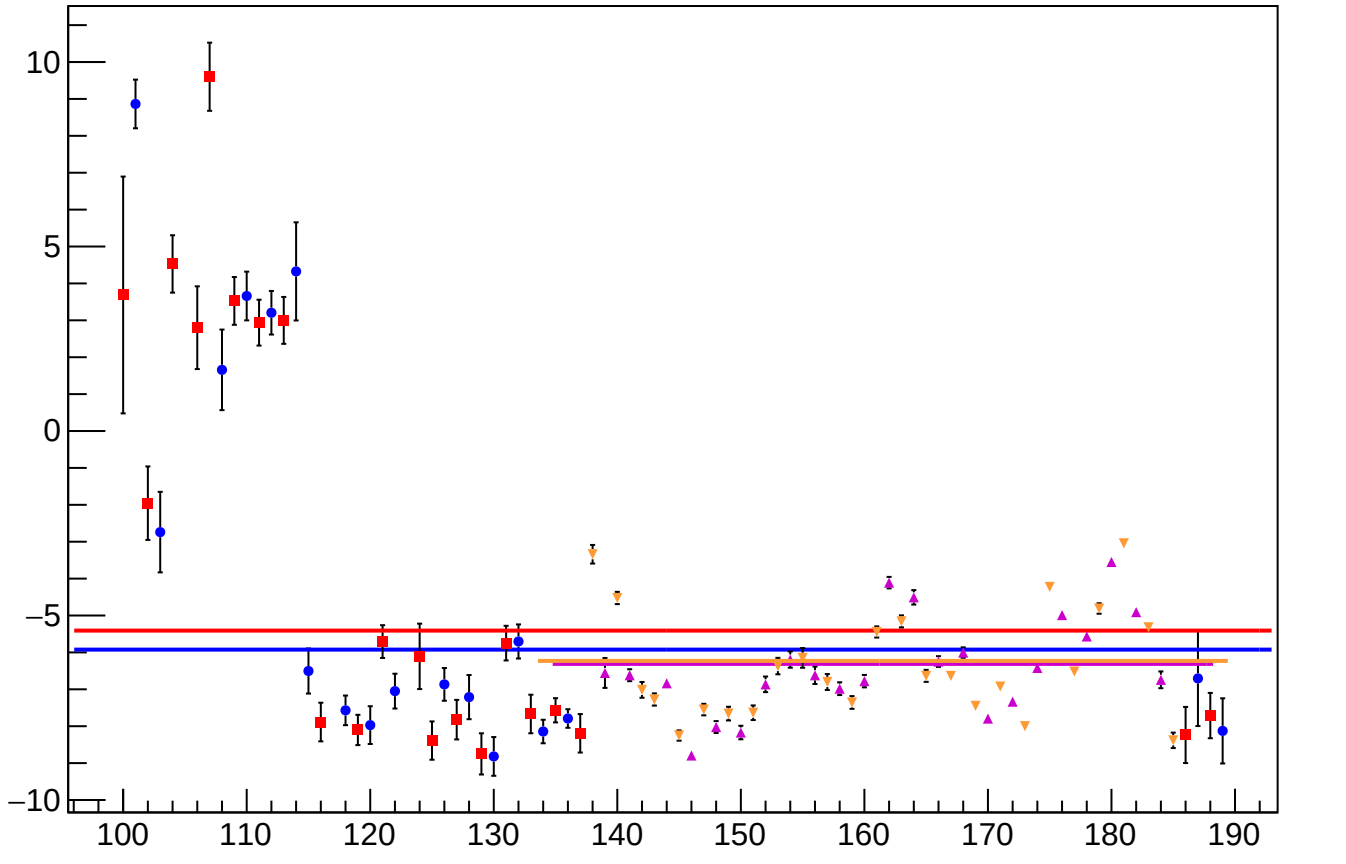
Right Out: 25.586+/-0.104 χ^2/NDF: 1100.9/20

Left In: 11.735+/-0.036 χ^2/NDF:17999.5/22

+ sign 12.987+/-0.033 χ^2/NDF: 34895.8/42

All: 13.090+/-0.024 χ^2/NDF: 69802.7/86

- sign 13.197+/-0.034 χ^2/NDF: 34887.3/43



Right In: -5.924+/-0.119 χ^2/NDF: 1258.2/17

Left Out: -6.231+/-0.031 χ^2/NDF:2450.1/24

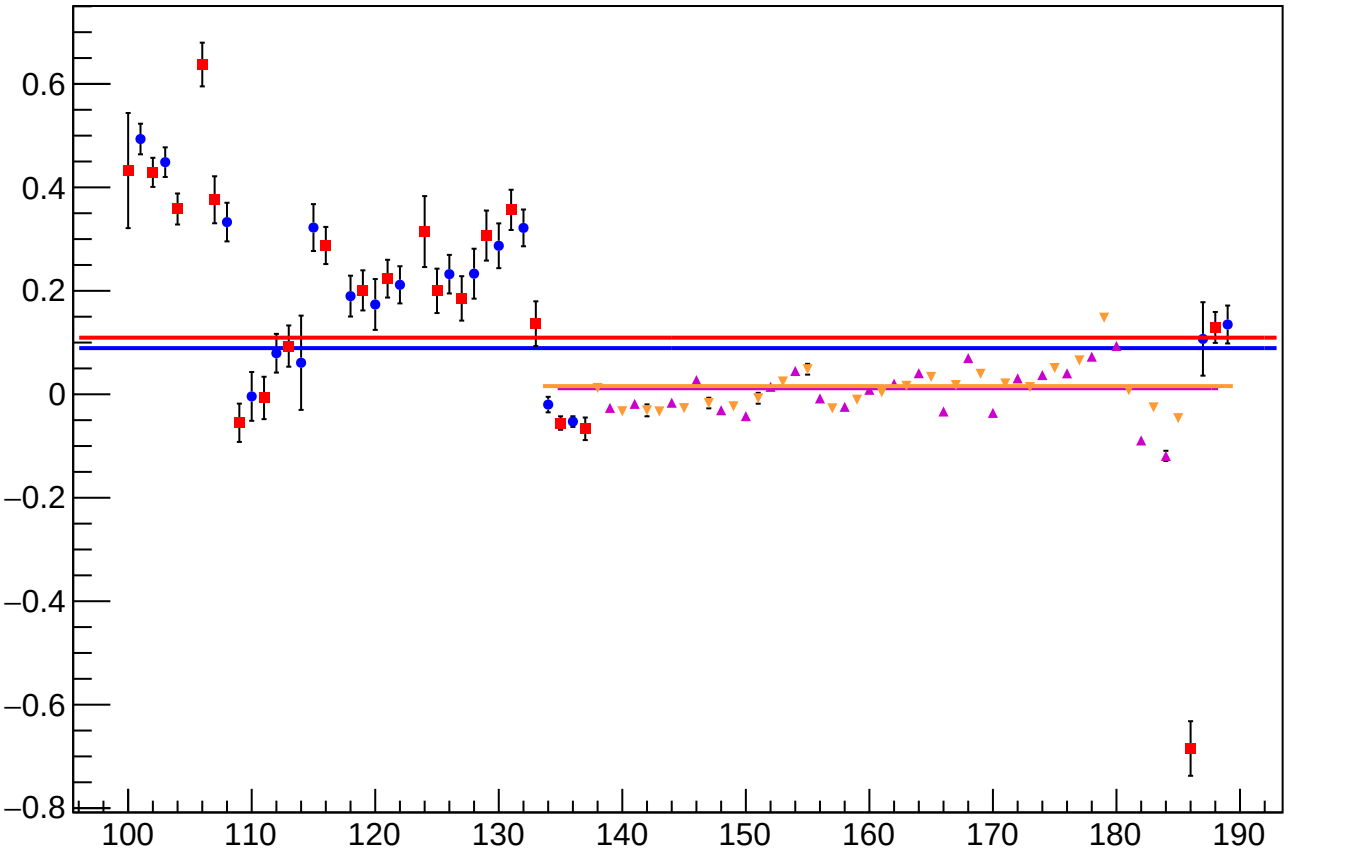
Right Out: -5.409+/-0.125 χ^2/NDF: 1321.9/20

Left In: -6.311+/-0.031 χ^2/NDF:2030.2/22

+ sign -6.211+/-0.030 χ^2/NDF: 3714.4/42

All: -6.234+/-0.021 χ^2/NDF: 7116.7/86

- sign -6.258+/-0.030 χ^2/NDF: 3401.1/43



Right In: 0.089+/-0.006 χ^2/NDF: 769.7/17

Left Out: 0.016+/-0.001 χ^2/NDF:933.4/24

Right Out: 0.109+/-0.007 χ^2/NDF: 993.0/20

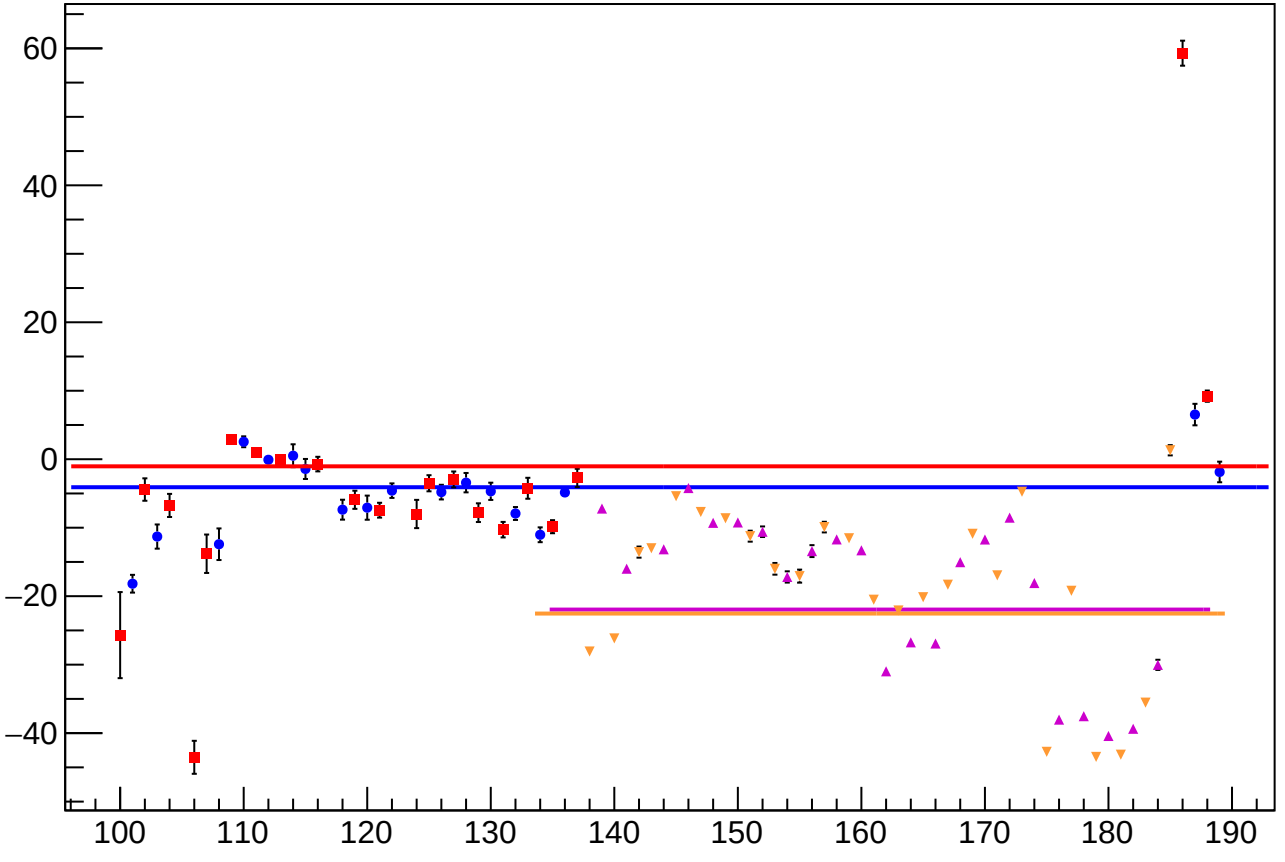
Left In: 0.012+/-0.001 χ^2/NDF:1297.5/22

+ sign 0.019+/-0.001 χ^2/NDF: 1826.7/42

All: 0.017+/-0.001 χ^2/NDF: 4305.4/86

- sign 0.015+/-0.001 χ^2/NDF: 2475.2/43

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: -4.089+/-0.261 χ^2/NDF: 381.7/17

Left Out: -22.538+/-0.108 χ^2/NDF:16540.6/24

Right Out: -1.037+/-0.246 χ^2/NDF: 1906.4/20

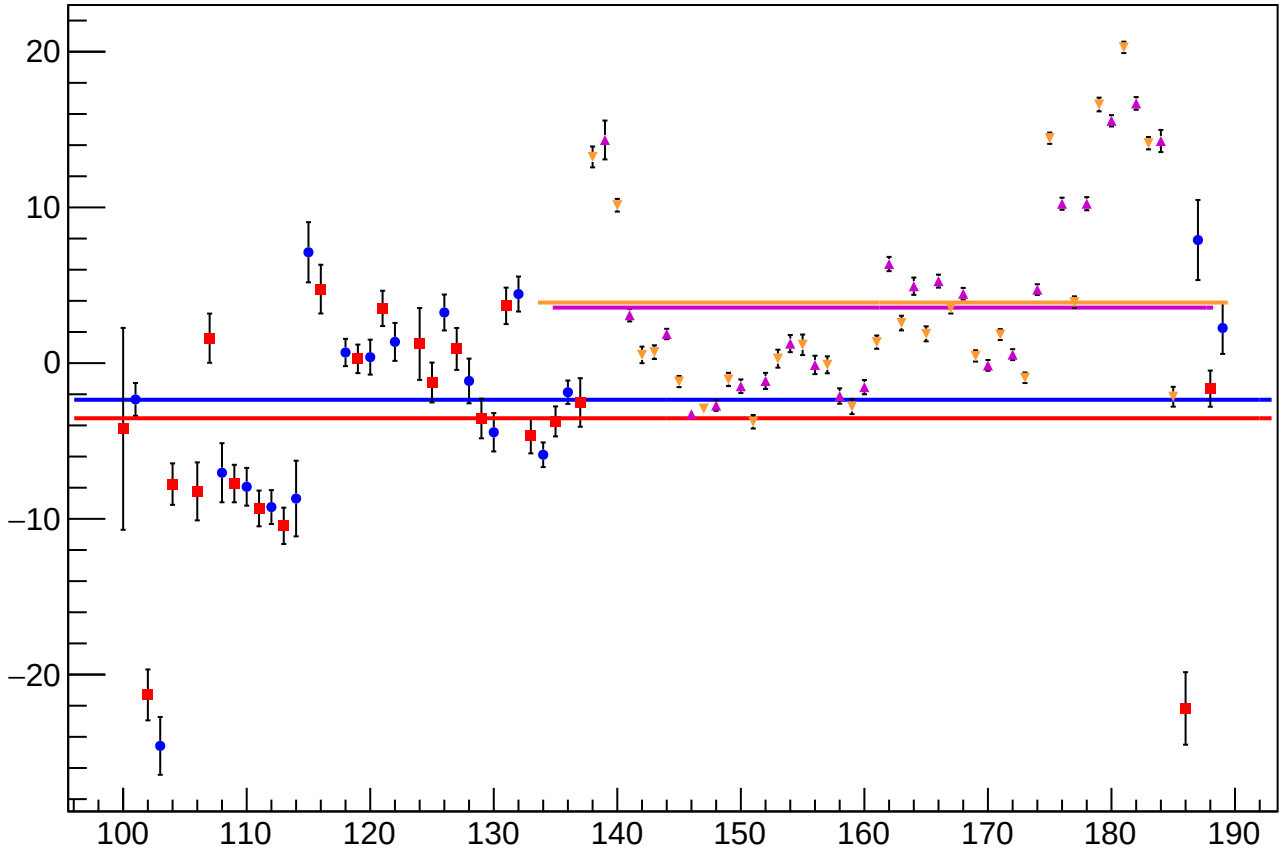
Left In: -21.957+/-0.111 χ^2/NDF:12585.3/22

+ sign -19.829+/-0.100 χ^2/NDF: 21198.5/42

All: -19.133+/-0.071 χ^2/NDF: 41780.9/86

- sign -18.417+/-0.101 χ^2/NDF: 20483.8/43

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: -2.352+/-0.280 χ^2/NDF: 376.4/17

Left Out: 3.891+/-0.084 χ^2/NDF:6724.1/24

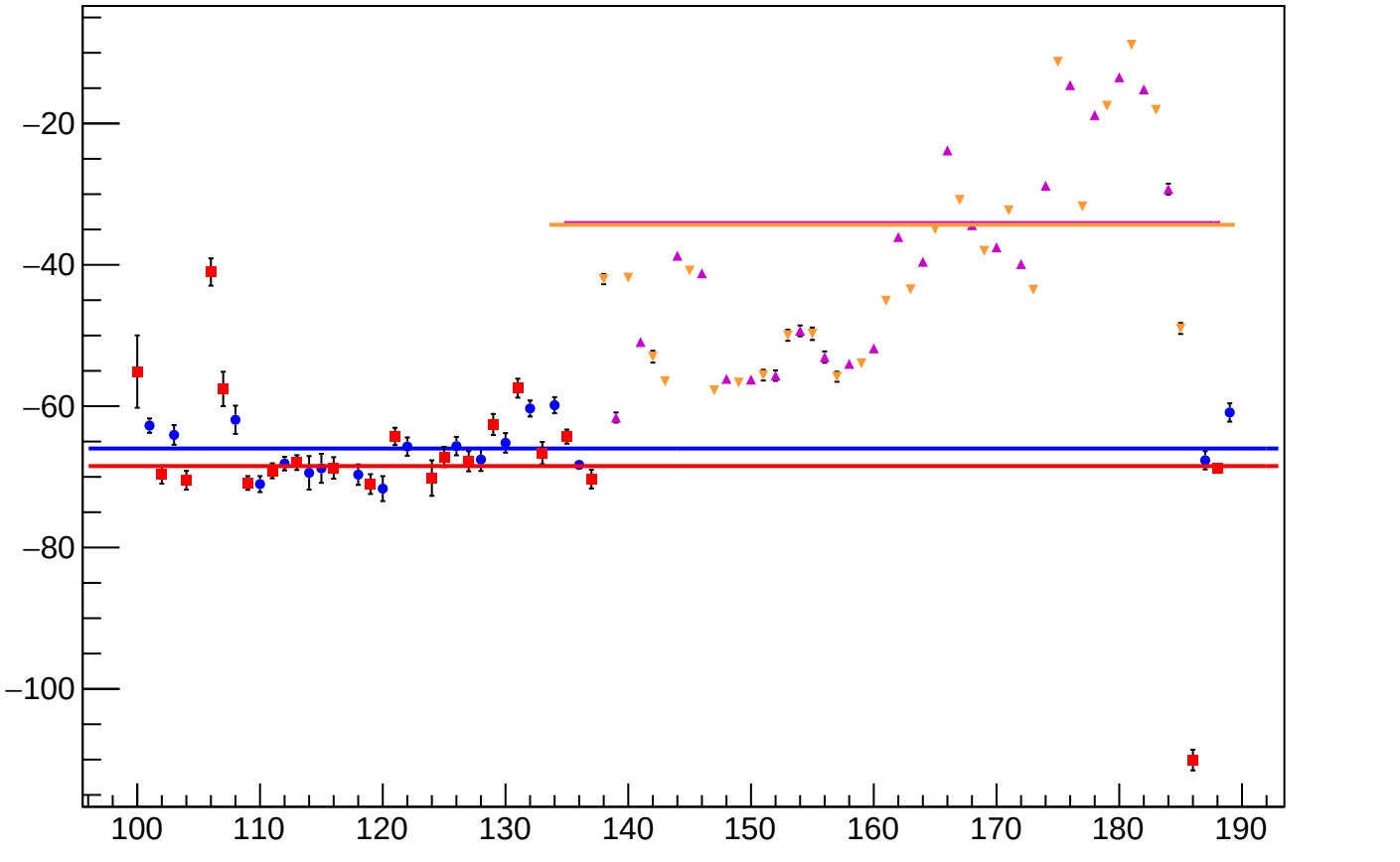
Right Out: -3.540+/-0.287 χ^2/NDF: 426.7/20

Left In: 3.565+/-0.086 χ^2/NDF:4739.4/22

+ sign 3.373+/-0.081 χ^2/NDF: 7556.6/42

All: 3.180+/-0.058 χ^2/NDF: 13296.1/86

- sign 2.978+/-0.083 χ^2/NDF: 5727.9/43



Right In: -65.987+/-0.289 χ^2/NDF: 146.7/17

Left Out: -34.334+/-0.108 χ^2/NDF:21200.8/24

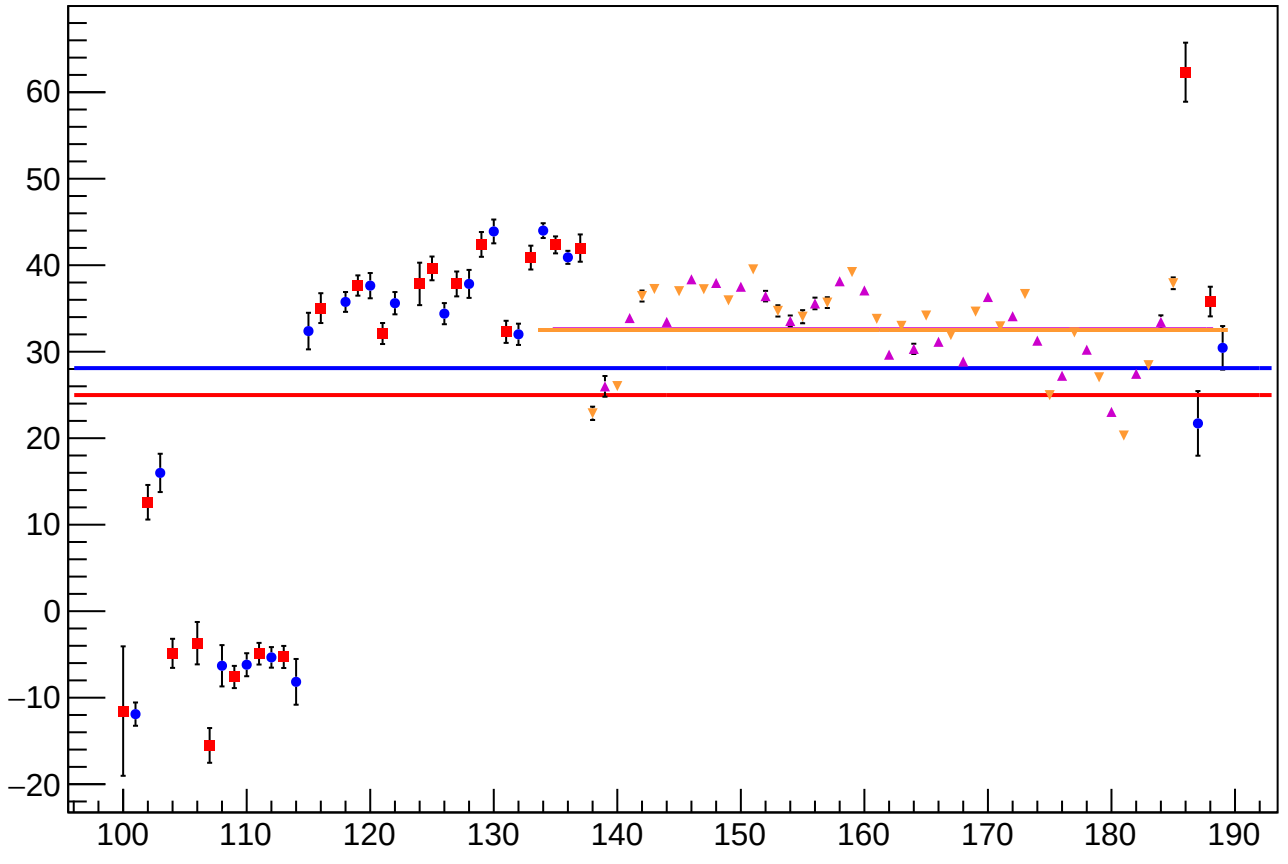
Right Out: -68.470+/-0.278 χ^2/NDF: 1165.5/20

Left In: -34.091+/-0.111 χ^2/NDF:17726.5/22

+ sign -38.236+/-0.101 χ^2/NDF: 31884.7/42

All: -38.528+/-0.072 χ^2/NDF: 64024.2/86

- sign -38.829+/-0.103 χ^2/NDF: 32122.7/43



Right In: 28.103+/-0.316 χ^2/NDF: 3731.5/17

Left Out: 32.511+/-0.095 χ^2/NDF:2938.0/24

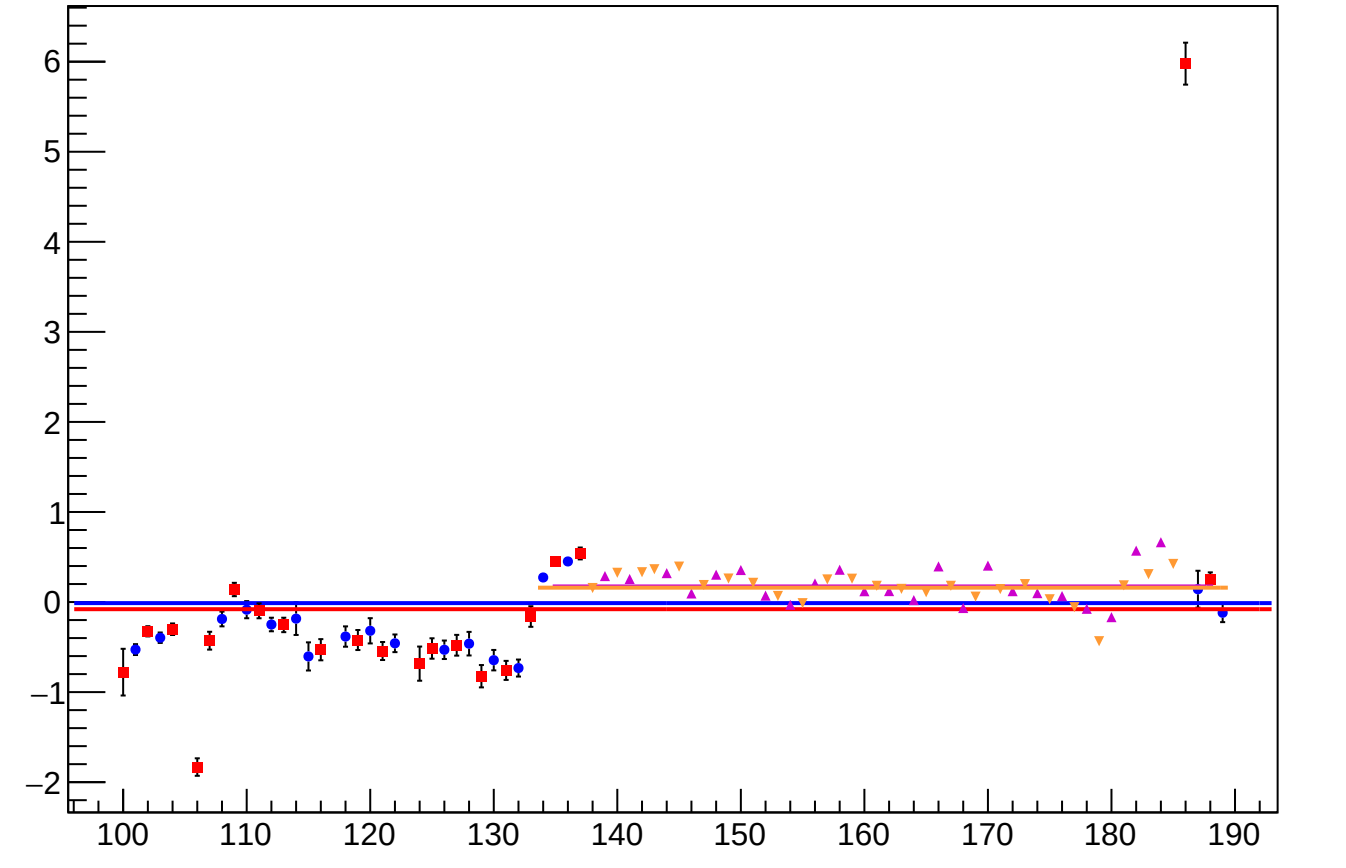
Right Out: 24.987+/-0.328 χ^2/NDF: 4006.3/20

Left In: 32.598+/-0.097 χ^2/NDF:2012.9/22

+ sign 32.149+/-0.091 χ^2/NDF: 6847.8/42

All: 32.071+/-0.065 χ^2/NDF: 13364.4/86

- sign 31.988+/-0.093 χ^2/NDF: 6515.0/43



Right In: -0.012+/-0.017 χ^2/NDF: 589.0/17

Left Out: 0.160+/-0.004 χ^2/NDF:1613.0/24

Right Out: -0.079+/-0.018 χ^2/NDF: 1519.0/20

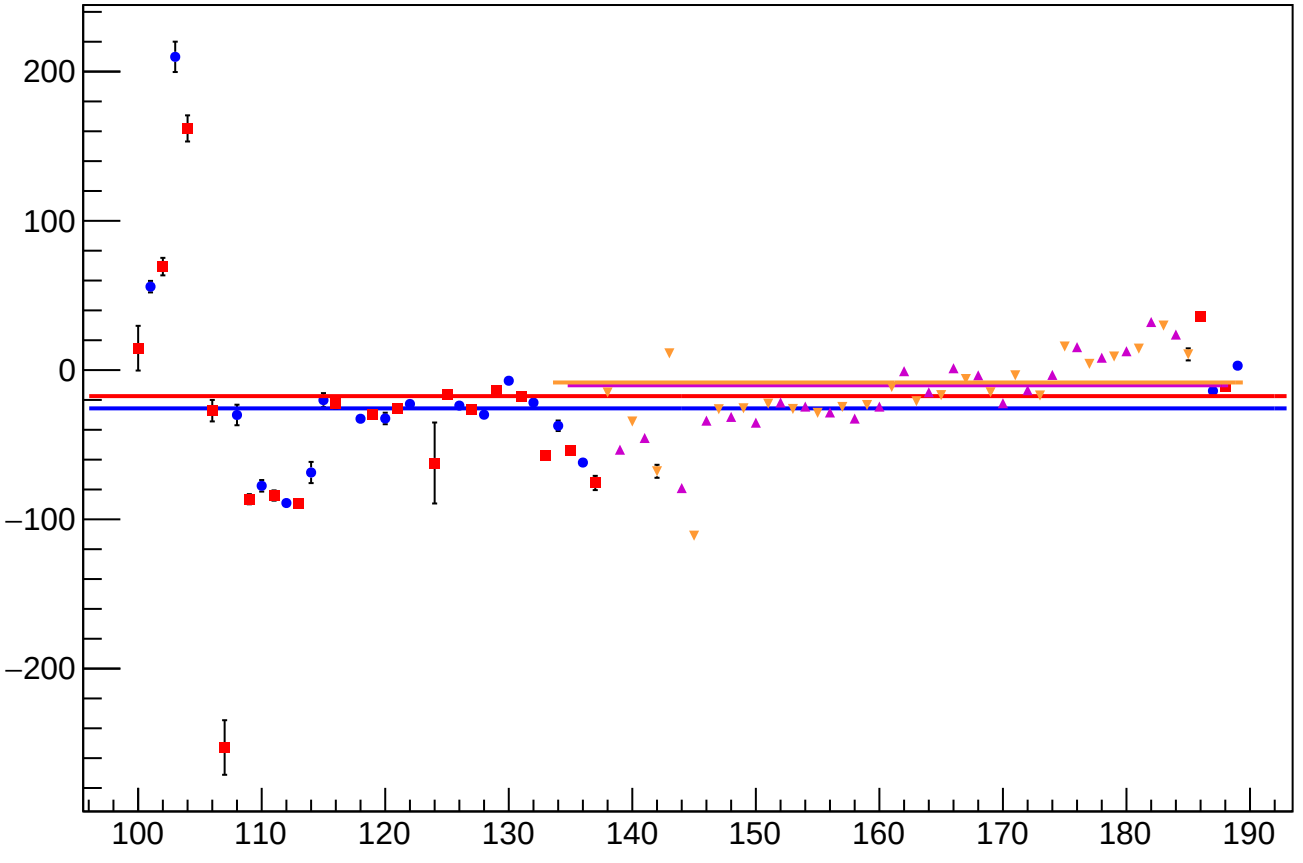
Left In: 0.173+/-0.004 χ^2/NDF:2129.7/22

+ sign 0.150+/-0.004 χ^2/NDF: 2297.5/42

All: 0.155+/-0.003 χ^2/NDF: 6129.4/86

- sign 0.160+/-0.004 χ^2/NDF: 3828.9/43

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -25.651+/-0.731 χ^2/NDF: 2147.7/17

Left Out: -8.298+/-0.514 χ^2/NDF:2559.6/24

Right Out: -17.444+/-0.634 χ^2/NDF: 3863.7/20

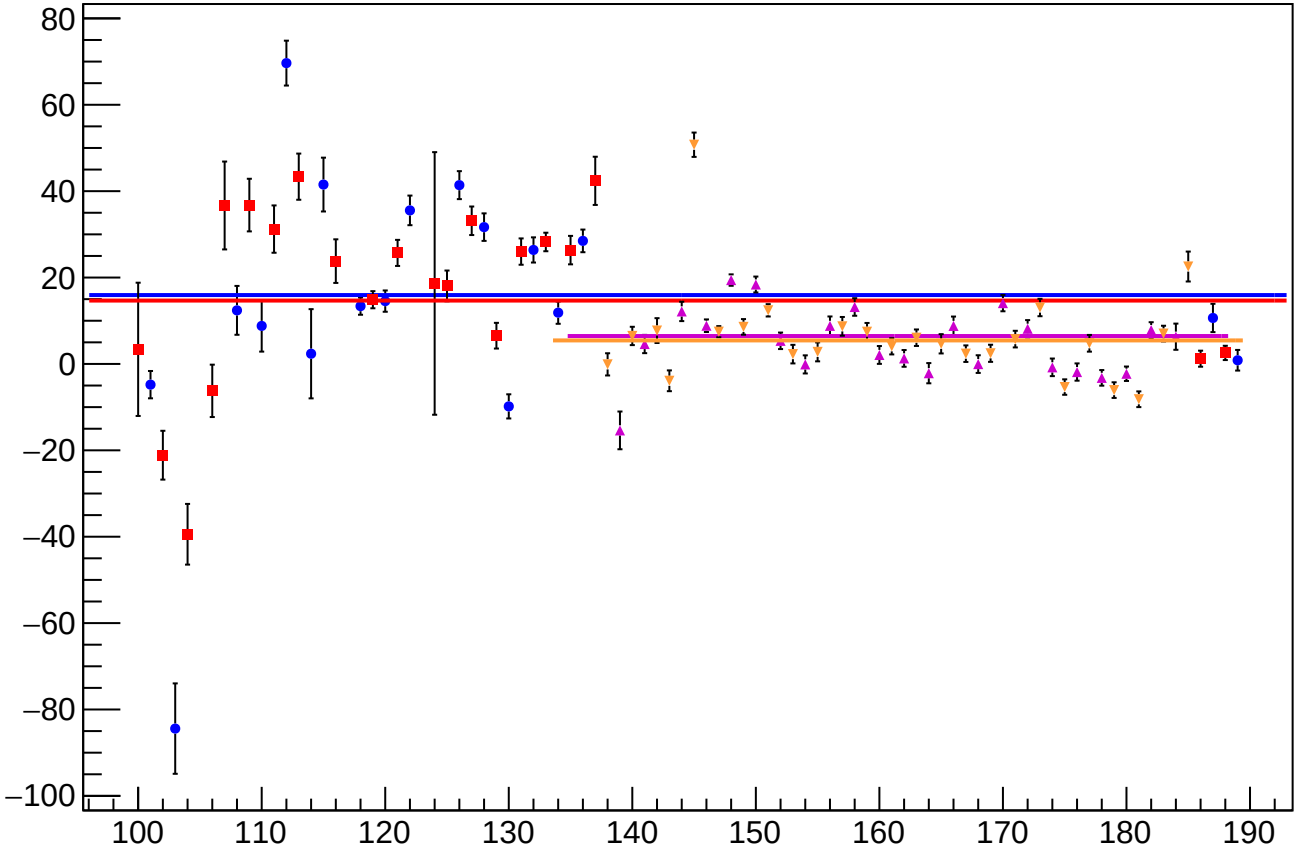
Left In: -10.183+/-0.526 χ^2/NDF:2518.4/22

+ sign -14.037+/-0.420 χ^2/NDF: 5084.8/42

All: -13.575+/-0.292 χ^2/NDF: 11546.9/86

- sign -13.147+/-0.405 χ^2/NDF: 6459.8/43

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 15.945+/-0.757 χ^2/NDF: 548.7/17

Left Out: 5.445+/-0.394 χ^2/NDF:493.7/24

Right Out: 14.672+/-0.710 χ^2/NDF: 421.3/20

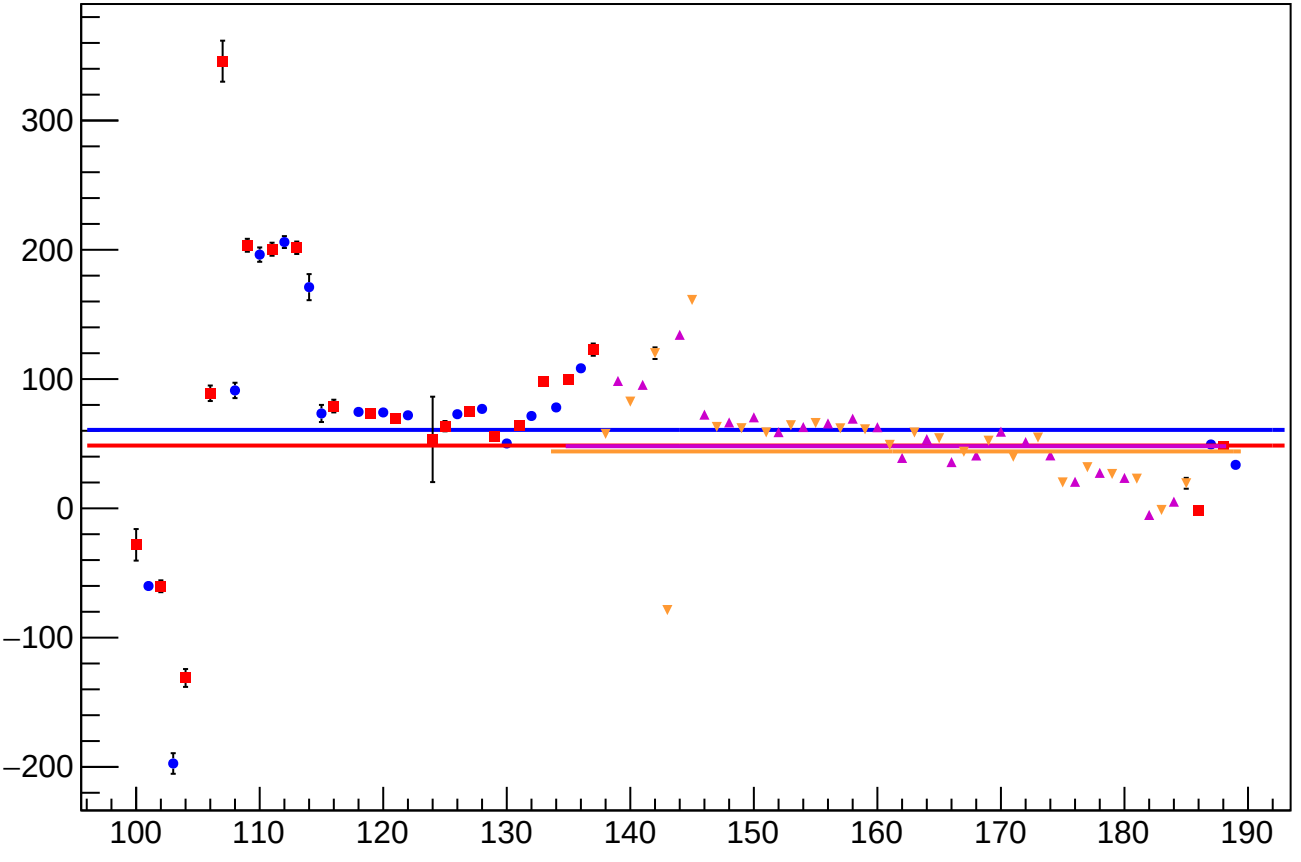
Left In: 6.461+/-0.408 χ^2/NDF:336.0/22

+ sign 7.684+/-0.349 χ^2/NDF: 1193.9/42

All: 8.086+/-0.249 χ^2/NDF: 2054.3/86

- sign 8.498+/-0.354 χ^2/NDF: 857.7/43

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 60.686+/-0.740 χ^2/NDF: 5222.0/17

Left Out: 44.040+/-0.510 χ^2/NDF:4563.8/24

Right Out: 48.575+/-0.596 χ^2/NDF: 7318.4/20

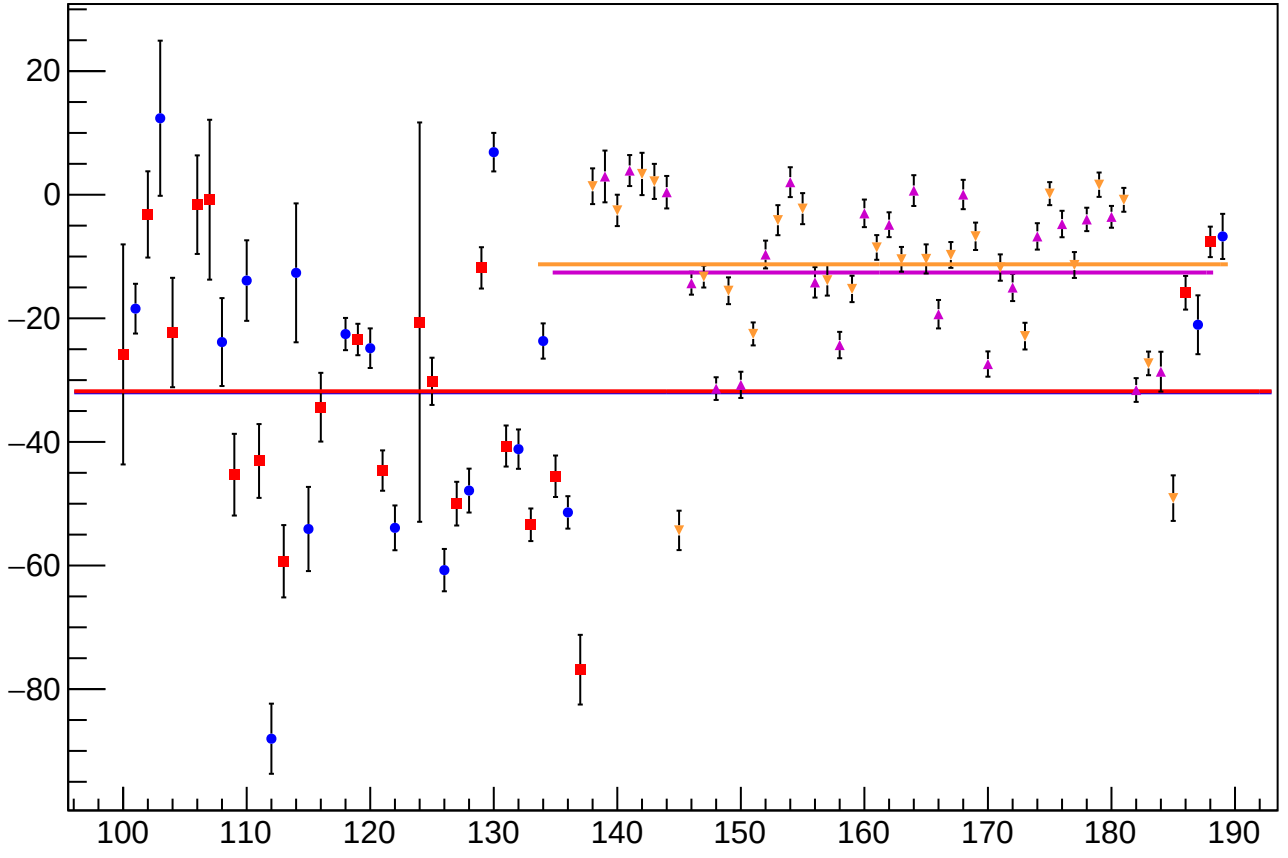
Left In: 48.076+/-0.521 χ^2/NDF:3376.5/22

+ sign 49.397+/-0.420 χ^2/NDF: 10128.8/42

All: 48.808+/-0.287 χ^2/NDF: 20827.8/86

- sign 48.293+/-0.392 χ^2/NDF: 10695.3/43

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -31.969+/-0.896 χ^2/NDF: 569.2/17

Left Out: -11.260+/-0.445 χ^2/NDF:643.3/24

Right Out: -31.809+/-0.873 χ^2/NDF: 442.0/20

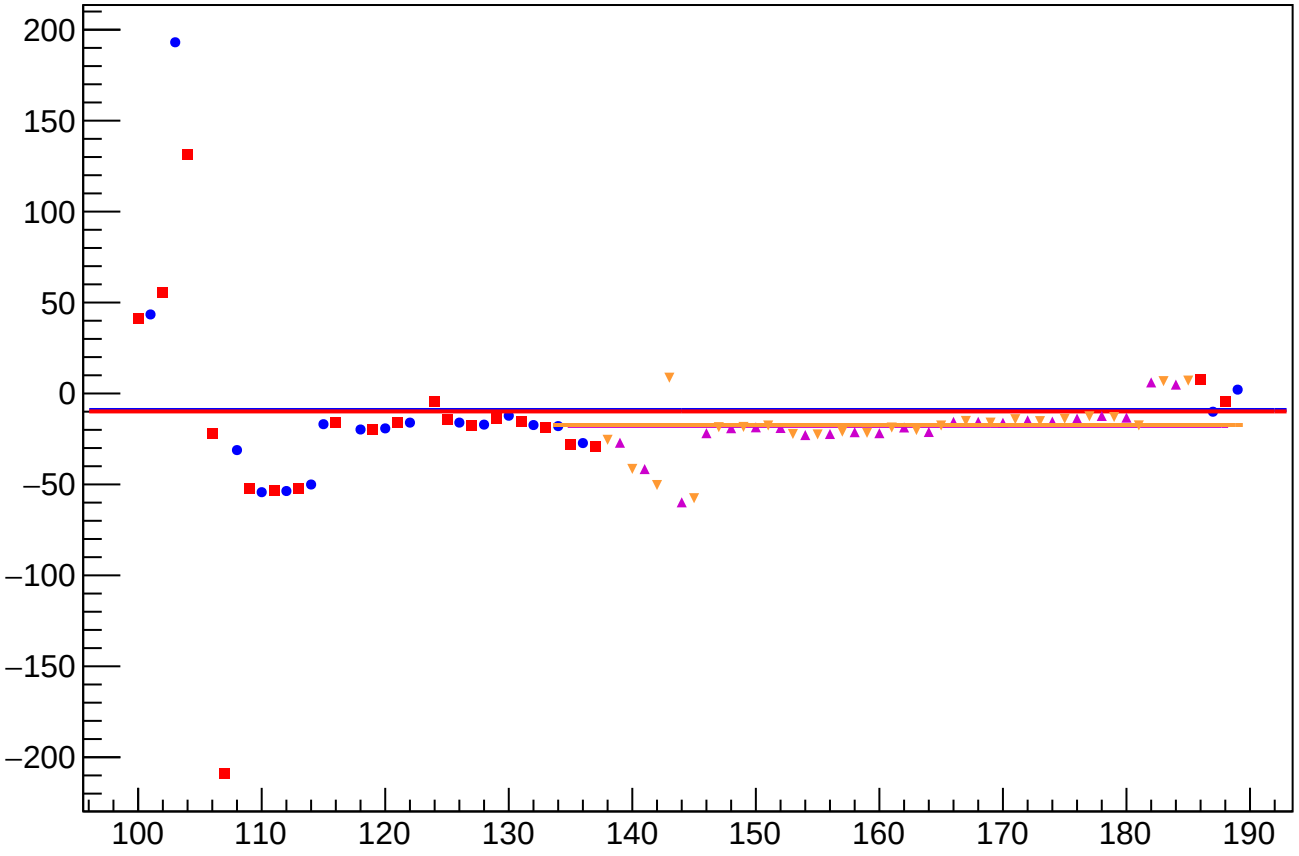
Left In: -12.589+/-0.459 χ^2/NDF:671.8/22

+ sign -15.356+/-0.398 χ^2/NDF: 1641.0/42

All: -16.038+/-0.284 χ^2/NDF: 3140.5/86

- sign -16.748+/-0.406 χ^2/NDF: 1493.5/43

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -9.079+/-0.053 χ^2/NDF: 527620.2/17

Left Out: -17.330+/-0.020 χ^2/NDF:347790.9/24

Right Out: -9.869+/-0.054 χ^2/NDF: 462506.5/20

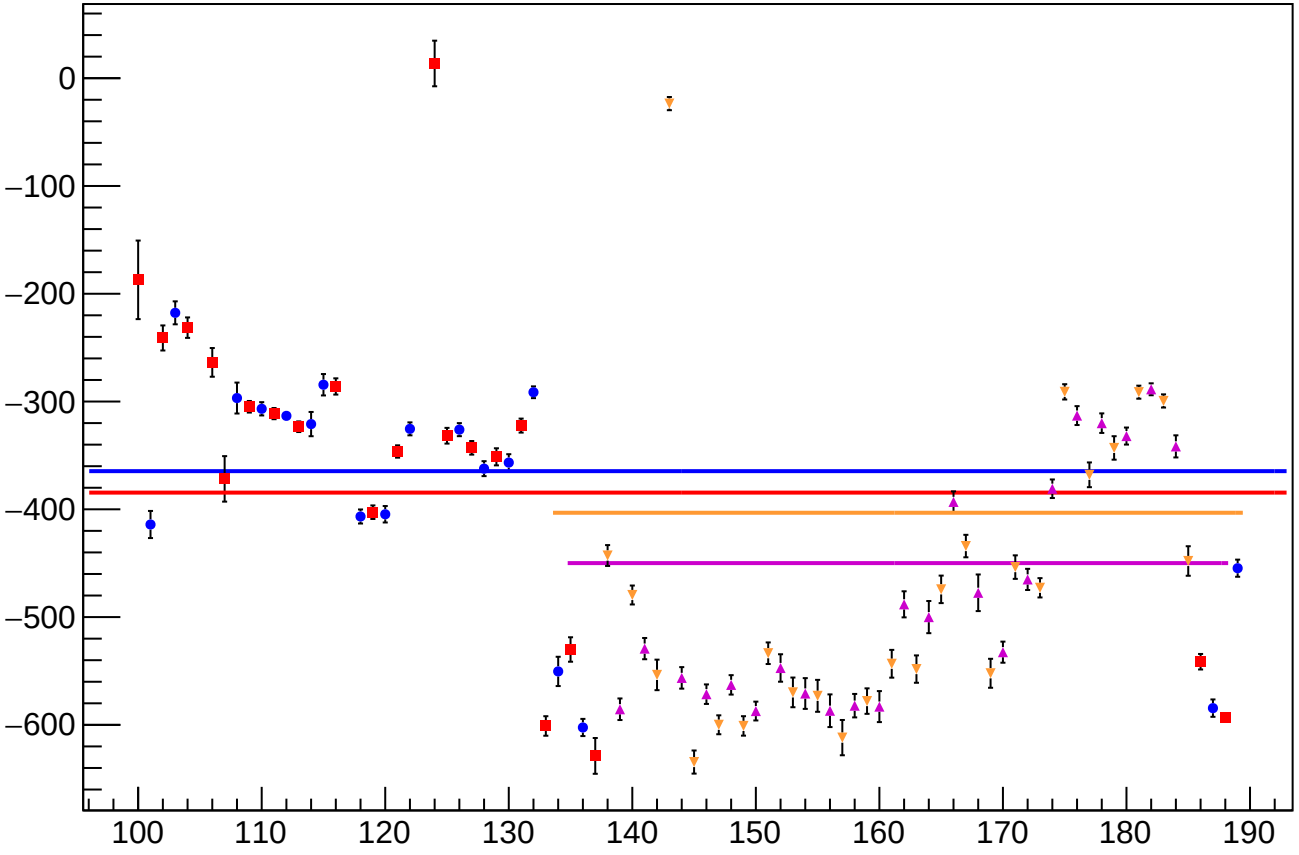
Left In: -17.829+/-0.020 χ^2/NDF:267426.0/22

+ sign -16.289+/-0.019 χ^2/NDF: 896947.9/42

All: -16.559+/-0.013 χ^2/NDF: 1646454.4/86

- sign -16.839+/-0.019 χ^2/NDF: 749080.4/43

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -364.591+/-1.737 χ^2/NDF: 2807.3/17

Left Out: -403.195+/-1.928 χ^2/NDF:7750.3/24

Right Out: -384.501+/-1.588 χ^2/NDF: 5663.9/20

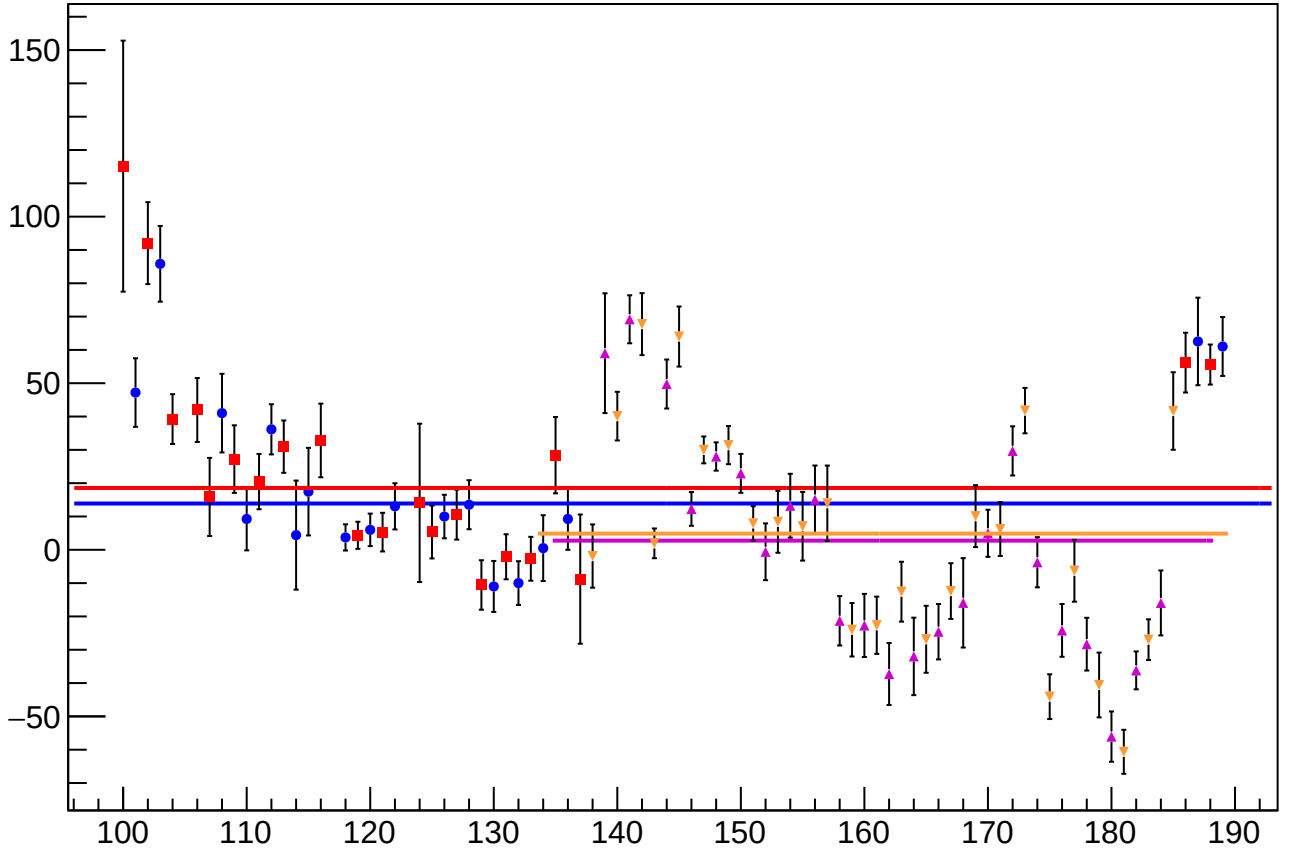
Left In: -449.912+/-2.043 χ^2/NDF:3218.9/22

+ sign -381.887+/-1.290 χ^2/NDF: 10779.0/42

All: -395.900+/-0.899 χ^2/NDF: 20530.1/86

- sign -409.133+/-1.254 χ^2/NDF: 9521.8/43

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 13.894+/-1.787 χ^2/NDF: 143.0/17

Left Out: 4.858+/-1.447 χ^2/NDF:457.2/24

Right Out: 18.563+/-1.738 χ^2/NDF: 175.7/20

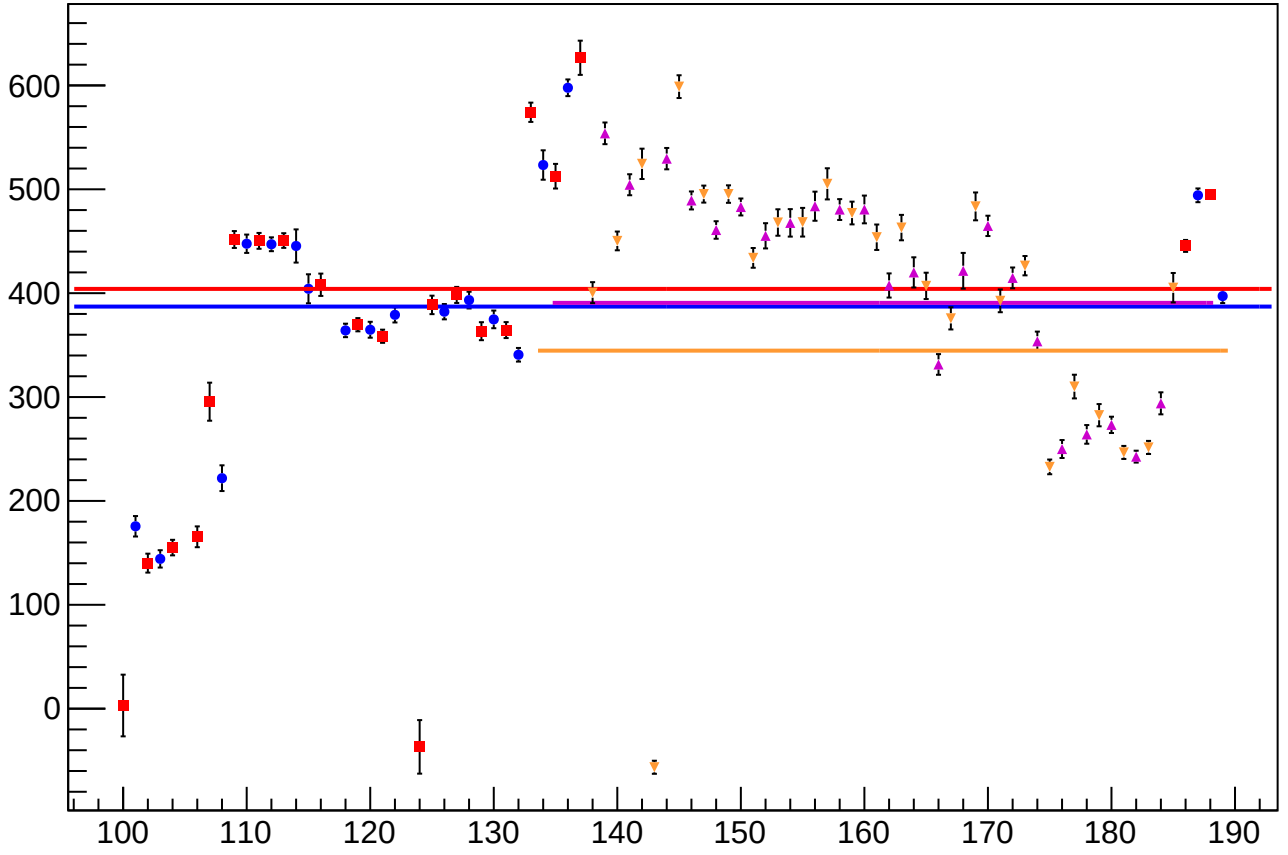
Left In: 2.756+/-1.554 χ^2/NDF:399.6/22

+ sign 8.436+/-1.125 χ^2/NDF: 615.7/42

All: 9.087+/-0.807 χ^2/NDF: 1237.6/86

- sign 9.779+/-1.159 χ^2/NDF: 621.3/43

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 387.097+/-1.921 χ^2/NDF: 2744.5/17

Left Out: 344.680+/-1.924 χ^2/NDF:7278.2/24

Right Out: 404.115+/-1.686 χ^2/NDF: 4619.2/20

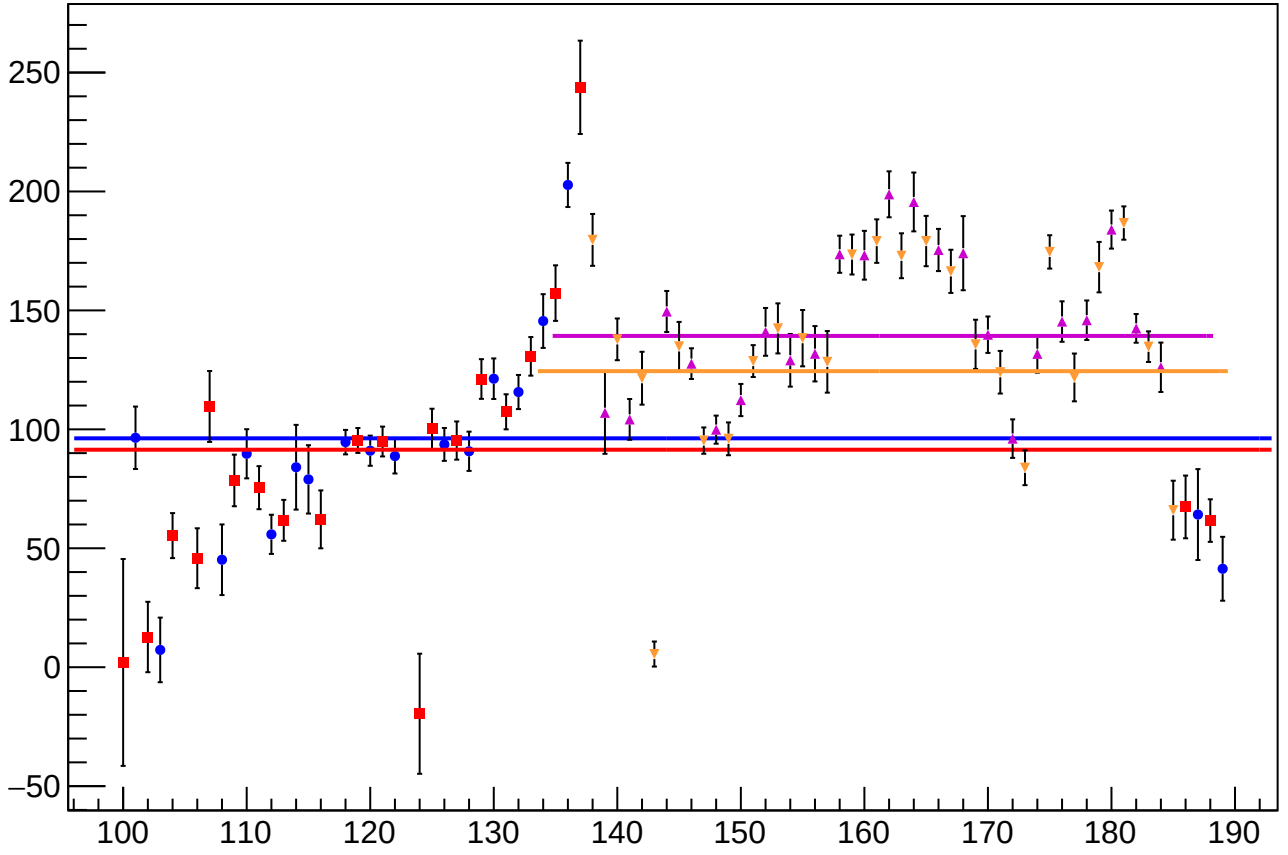
Left In: 390.672+/-2.029 χ^2/NDF:2672.8/22

+ sign 365.925+/-1.359 χ^2/NDF: 10266.1/42

All: 383.047+/-0.938 χ^2/NDF: 17887.1/86

- sign 398.627+/-1.297 χ^2/NDF: 7318.0/43

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 96.219+/-2.104 χ^2/NDF: 269.7/17

Left Out: 124.466+/-1.662 χ^2/NDF:937.6/24

Right Out: 91.435+/-2.054 χ^2/NDF: 252.8/20

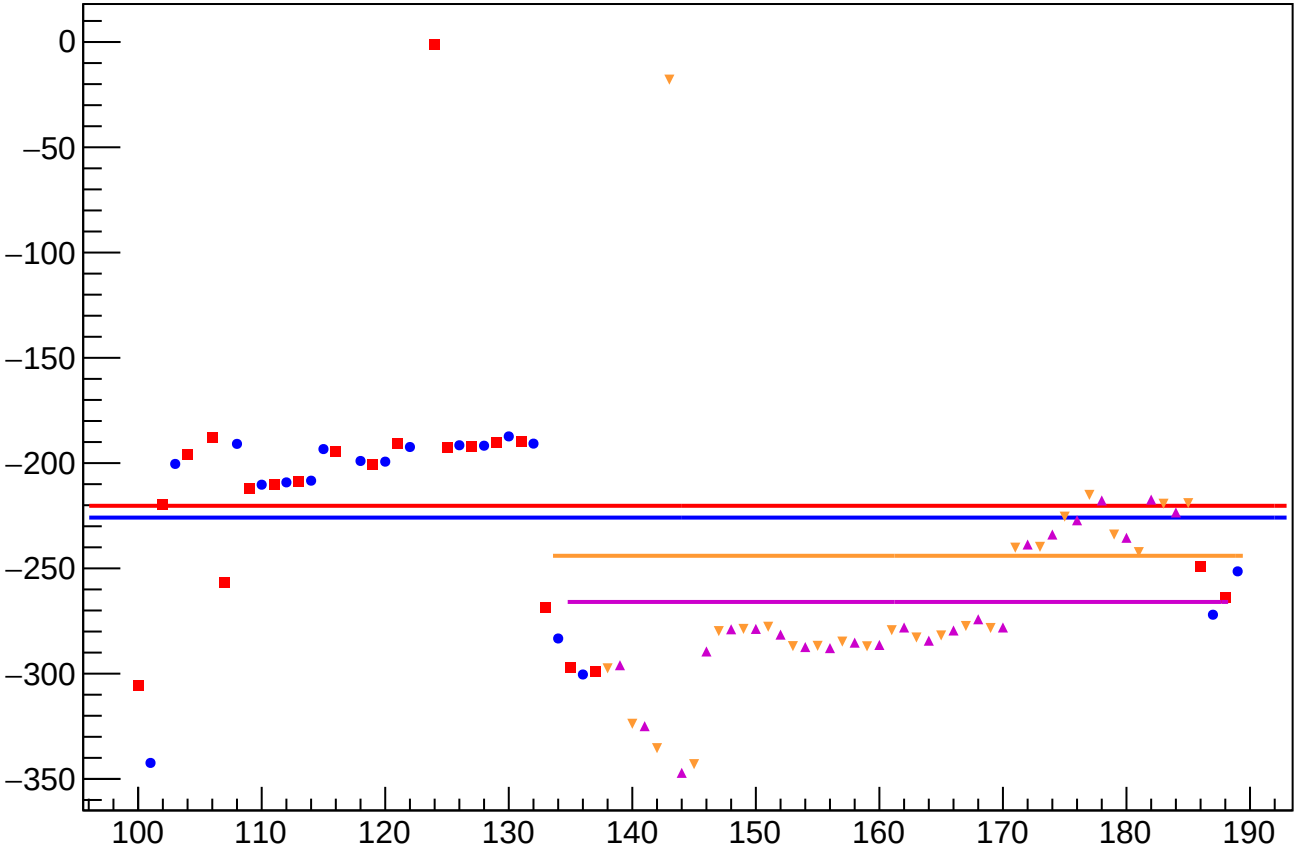
Left In: 139.274+/-1.769 χ^2/NDF:260.9/22

+ sign 113.617+/-1.304 χ^2/NDF: 1318.2/42

All: 116.186+/-0.935 χ^2/NDF: 2151.1/86

- sign 118.901+/-1.341 χ^2/NDF: 825.0/43

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -225.879+/-0.134 χ^2/NDF: 125587.0/17

Left Out: -244.021+/-0.077 χ^2/NDF:997959.6/24

Right Out: -220.279+/-0.127 χ^2/NDF: 93011.3/20

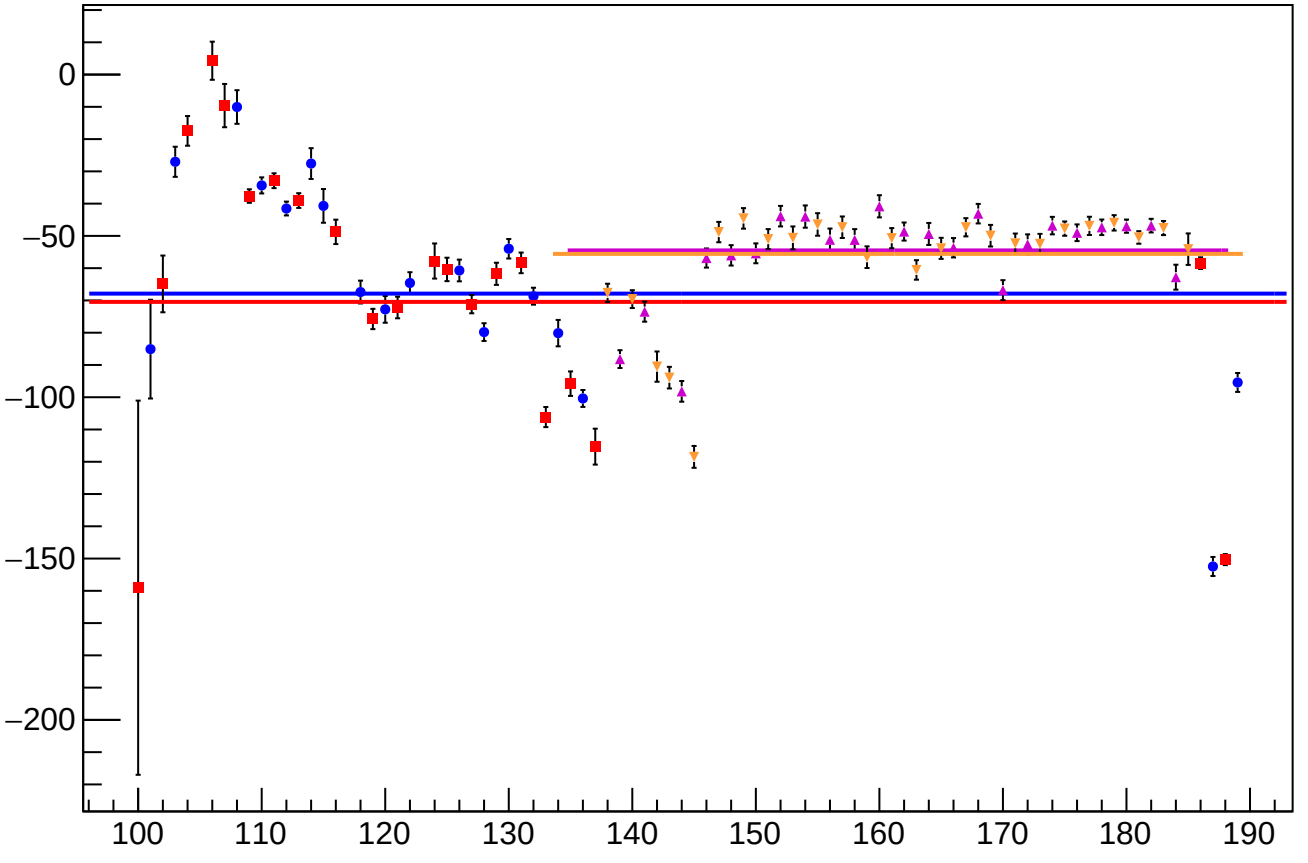
Left In: -265.945+/-0.081 χ^2/NDF:169943.2/22

+ sign -239.463+/-0.067 χ^2/NDF: 1137373.2/42

All: -246.081+/-0.048 χ^2/NDF: 1511950.3/86

- sign -252.929+/-0.068 χ^2/NDF: 354675.8/43

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -67.887+/-0.770 χ^2/NDF: 1747.8/17

Left Out: -55.575+/-0.590 χ^2/NDF:686.5/24

Right Out: -70.448+/-0.666 χ^2/NDF: 3617.9/20

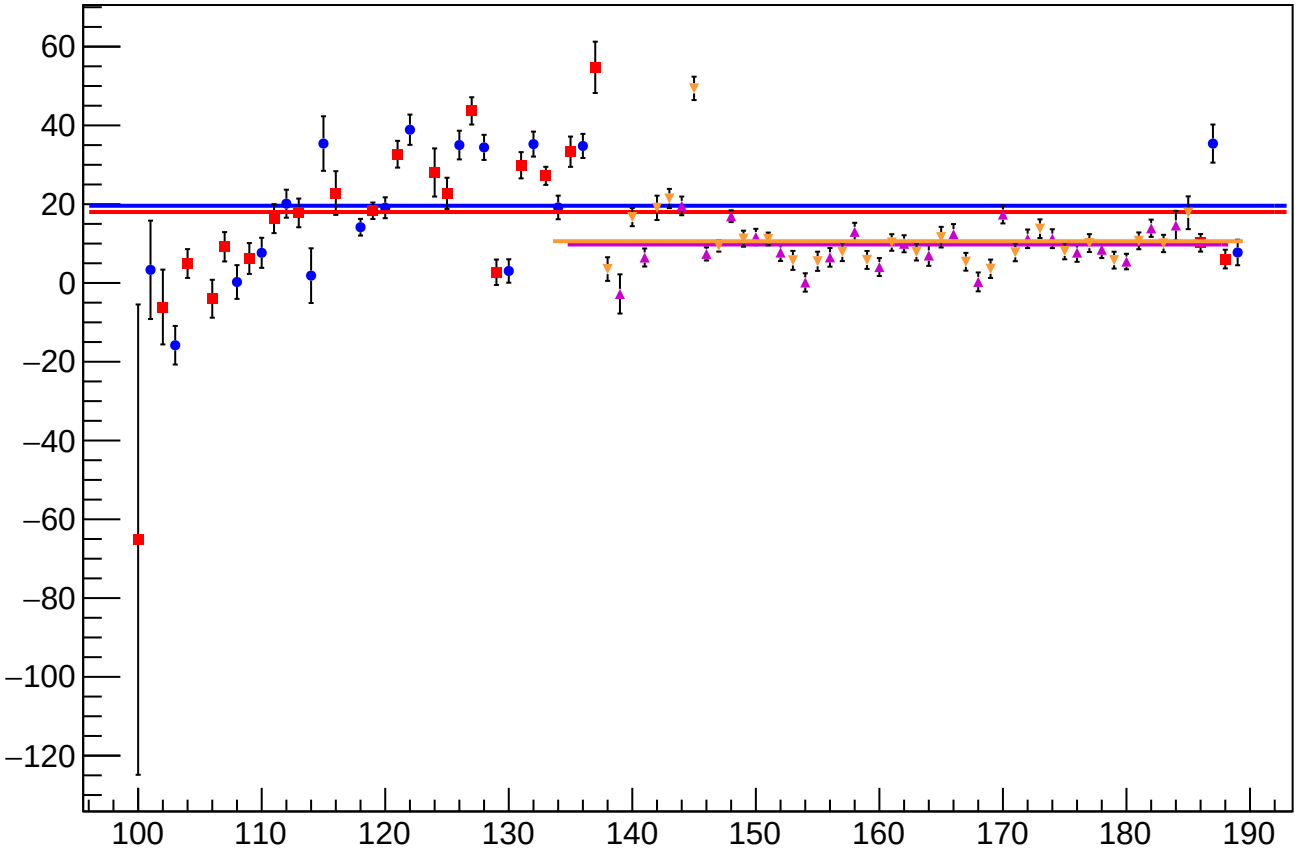
Left In: -54.499+/-0.606 χ^2/NDF:500.4/22

\+ sign -60.127+/-0.468 χ^2/NDF: 2595.2/42

All: -60.961+/-0.324 χ^2/NDF: 7033.1/86

\- sign -61.724+/-0.448 χ^2/NDF: 4431.8/43

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 19.602+/-0.826 χ^2/NDF: 271.4/17

Left Out: 10.603+/-0.449 χ^2/NDF:255.2/24

Right Out: 18.010+/-0.749 χ^2/NDF: 272.2/20

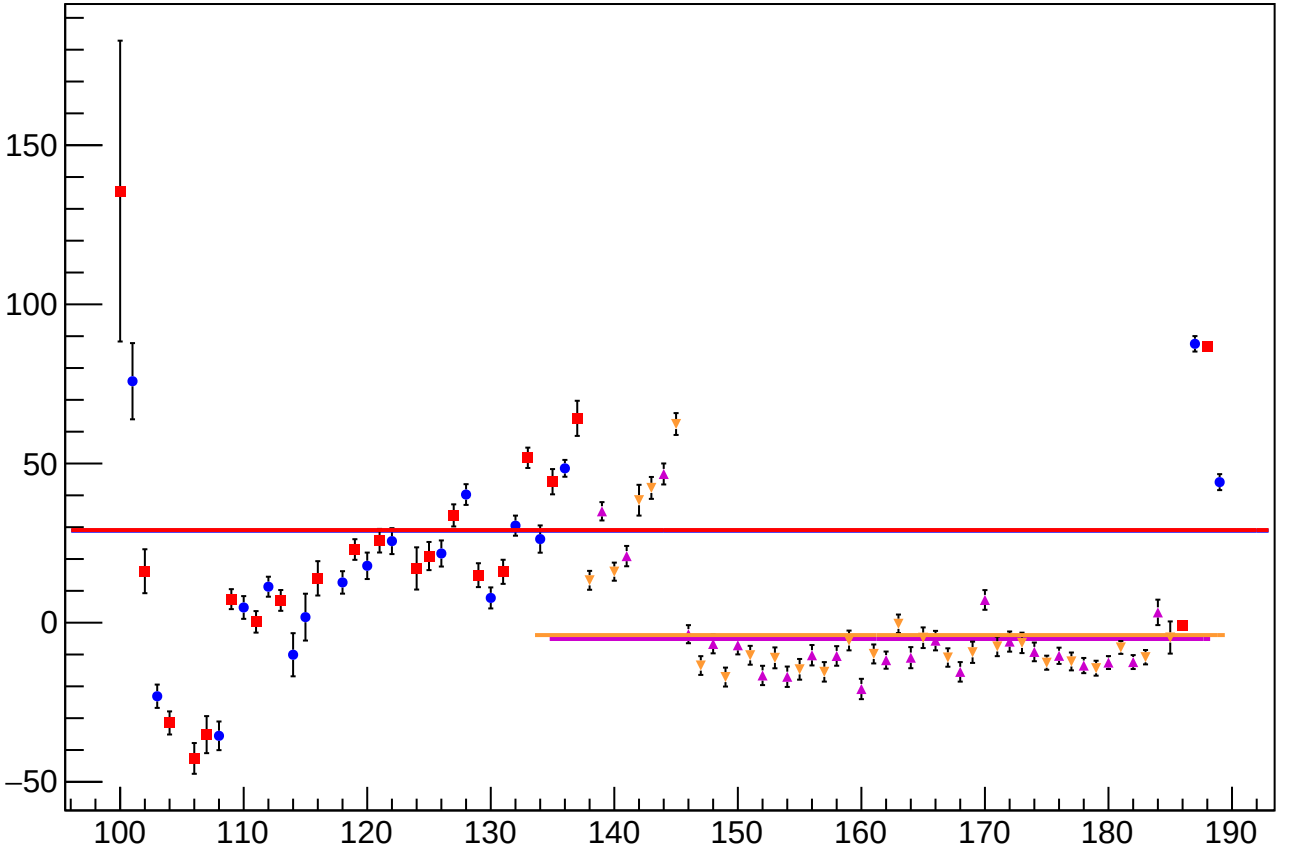
Left In: 9.765+/-0.467 χ^2/NDF:121.0/22

+ sign 12.660+/-0.395 χ^2/NDF: 618.2/42

All: 12.368+/-0.280 χ^2/NDF: 1099.8/86

- sign 12.073+/-0.396 χ^2/NDF: 480.5/43

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 28.894+/-0.839 χ^2/NDF: 1307.2/17

Left Out: -3.895+/-0.585 χ^2/NDF:850.2/24

Right Out: 29.097+/-0.681 χ^2/NDF: 3129.9/20

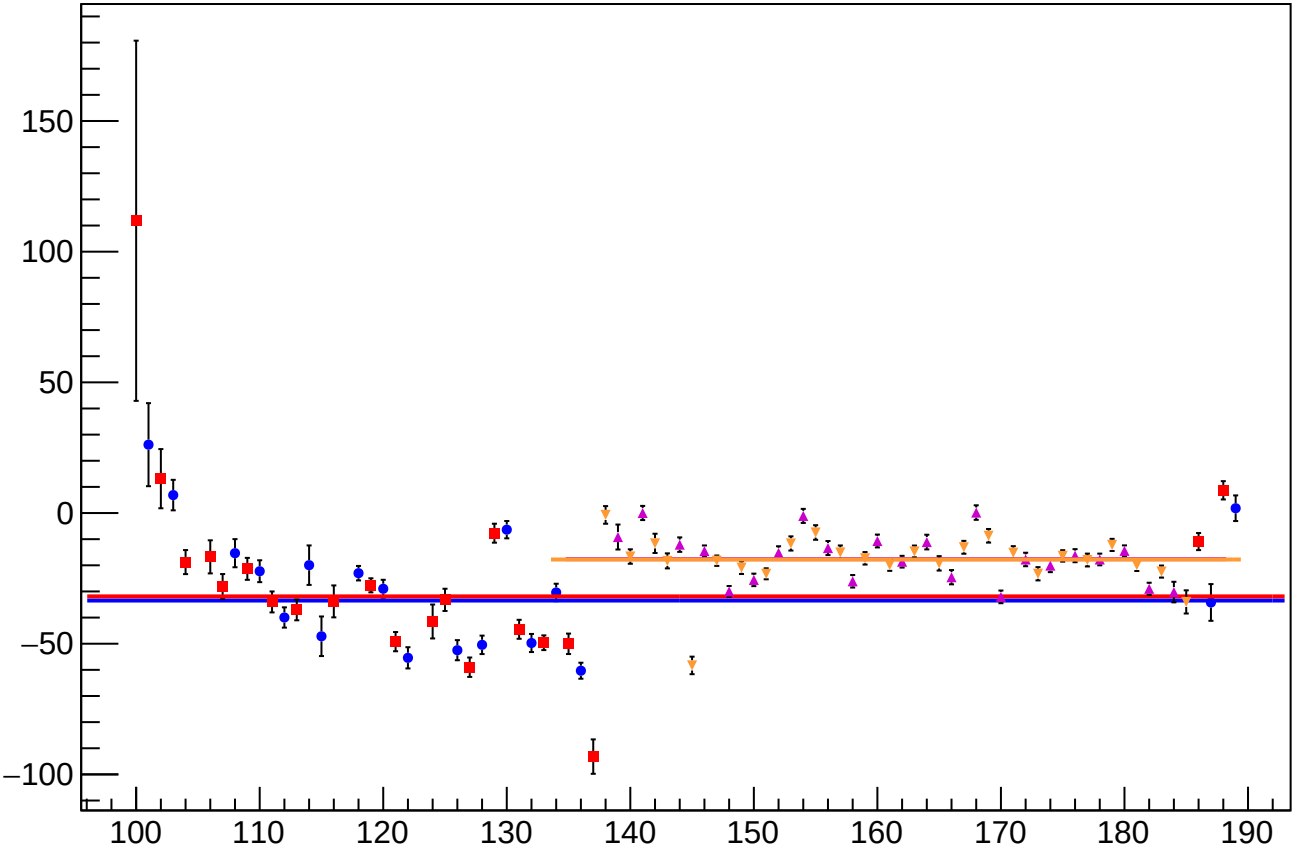
Left In: -5.124+/-0.600 χ^2/NDF:649.7/22

\+ sign 6.835+/-0.480 χ^2/NDF: 3185.2/42

All: 8.419+/-0.328 χ^2/NDF: 8407.1/86

\- sign 9.812+/-0.450 χ^2/NDF: 5201.4/43

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -33.476+/-0.962 χ^2/NDF: 400.5/17

Left Out: -17.776+/-0.509 χ^2/NDF:251.6/24

Right Out: -31.894+/-0.898 χ^2/NDF: 503.2/20

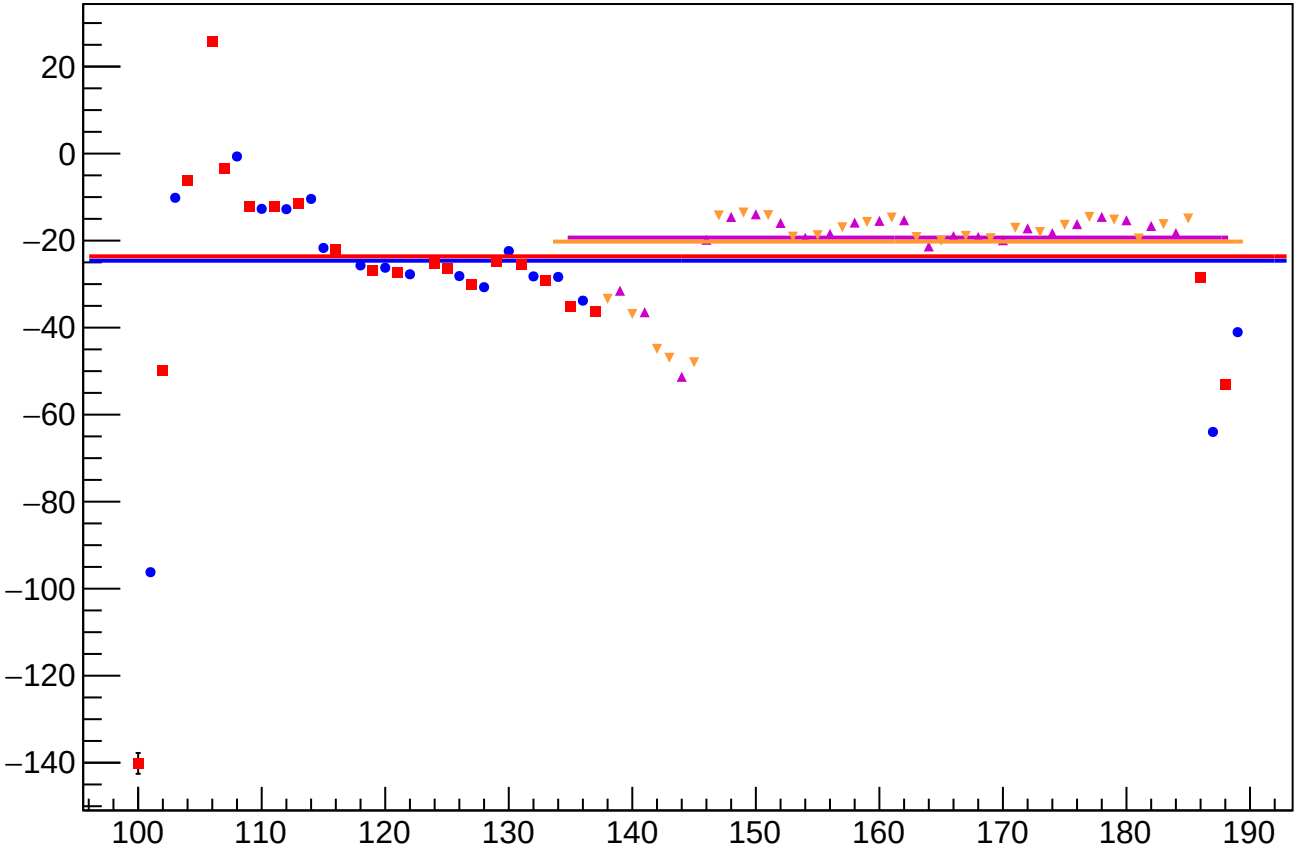
Left In: -17.643+/-0.526 χ^2/NDF:285.9/22

\+ sign -21.210+/-0.450 χ^2/NDF: 860.3/42

All: -21.245+/-0.319 χ^2/NDF: 1836.9/86

\- sign -21.281+/-0.454 χ^2/NDF: 976.6/43

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -24.618+/-0.055 χ^2/NDF: 64791.4/17

Left Out: -20.227+/-0.023 χ^2/NDF:147352.7/24

Right Out: -23.611+/-0.054 χ^2/NDF: 119561.6/20

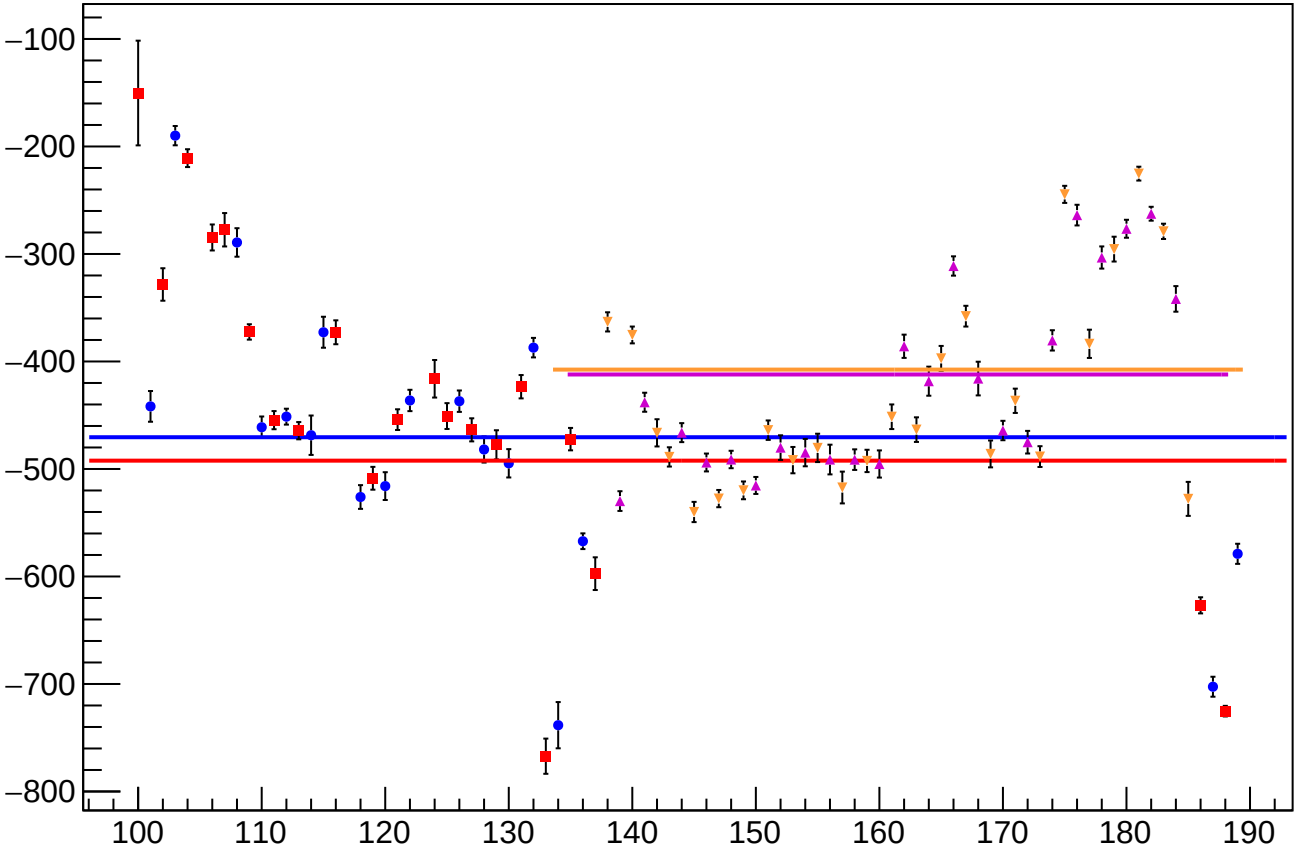
Left In: -19.310+/-0.023 χ^2/NDF:93090.9/22

+ sign -20.864+/-0.021 χ^2/NDF: 217497.4/42

All: -20.424+/-0.015 χ^2/NDF: 436297.2/86

- sign -19.973+/-0.021 χ^2/NDF: 217922.6/43

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -470.462+/-2.484 χ^2/NDF: 2459.6/17

Left Out: -407.554+/-1.951 χ^2/NDF:2872.6/24

Right Out: -492.254+/-2.152 χ^2/NDF: 5208.8/20

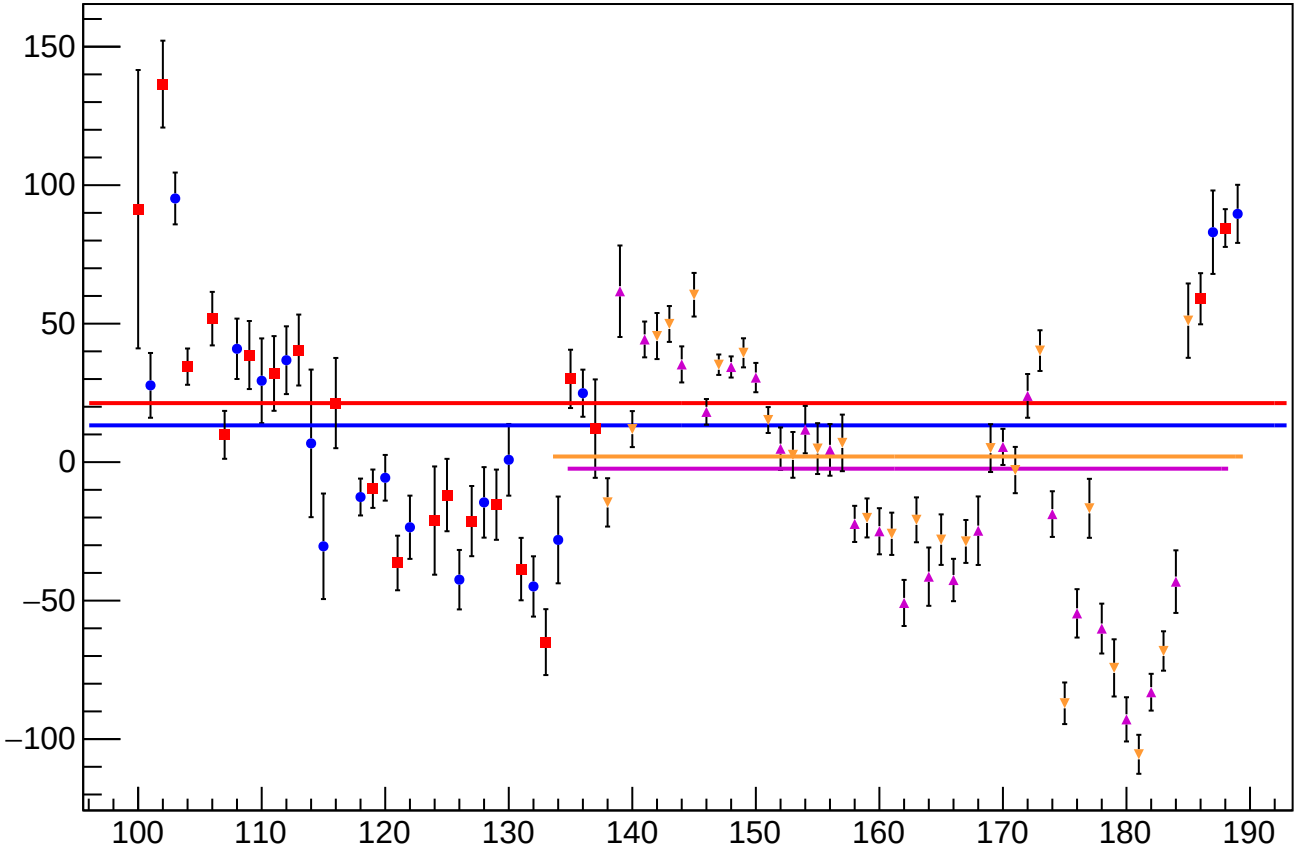
Left In: -412.102+/-2.008 χ^2/NDF:2182.3/22

+ sign -431.558+/-1.534 χ^2/NDF: 5728.8/42

All: -440.877+/-1.061 χ^2/NDF: 13932.0/86

- sign -449.413+/-1.468 χ^2/NDF: 8132.5/43

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 13.277+/-2.601 χ^2/NDF: 270.0/17

Left Out: 2.035+/-1.426 χ^2/NDF:910.7/24

Right Out: 21.309+/-2.317 χ^2/NDF: 346.0/20

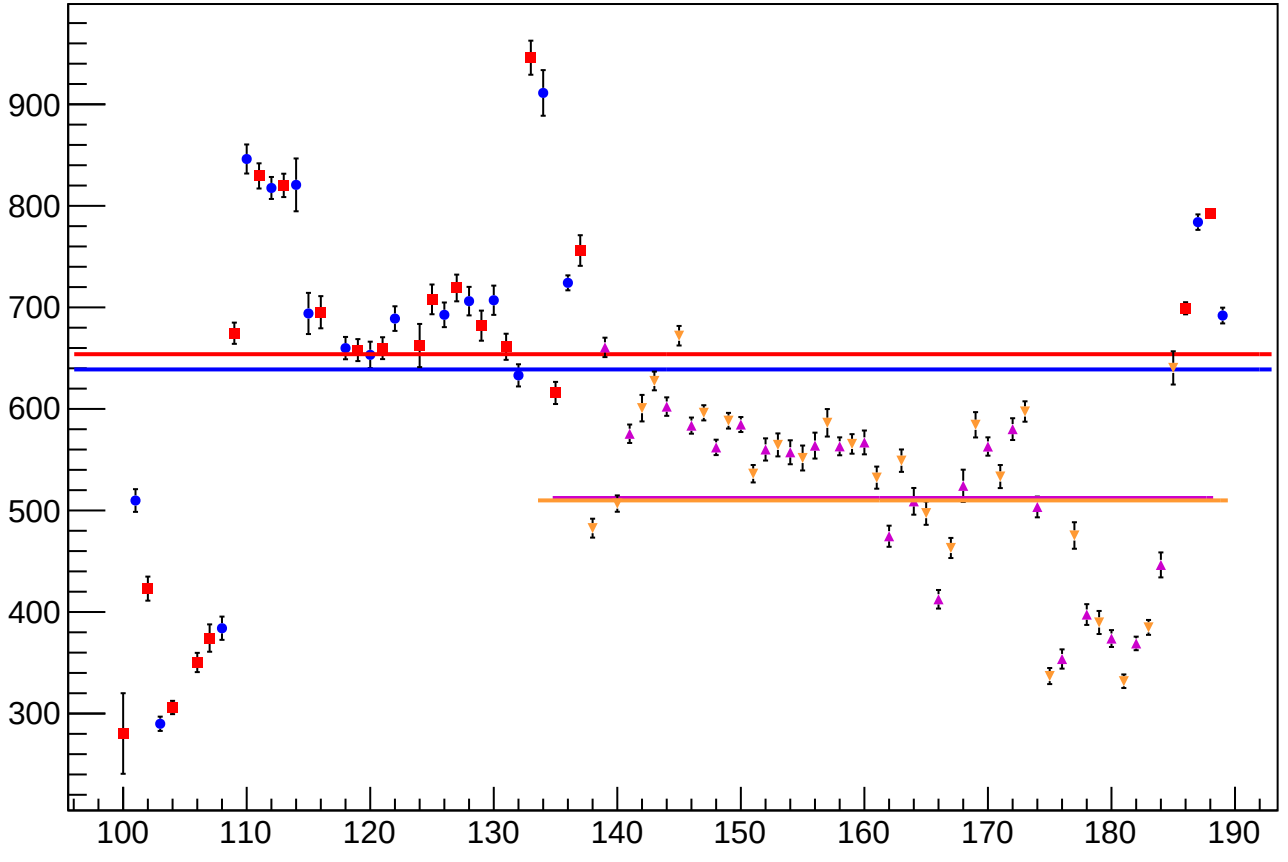
Left In: -2.365+/-1.482 χ^2/NDF:733.4/22

+ sign 4.634+/-1.250 χ^2/NDF: 1195.1/42

All: 4.572+/-0.884 χ^2/NDF: 2348.5/86

- sign 4.511+/-1.249 χ^2/NDF: 1153.4/43

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 638.894+/-2.554 χ^2/NDF: 4396.3/17

Left Out: 509.912+/-1.936 χ^2/NDF:2662.6/24

Right Out: 653.905+/-2.116 χ^2/NDF: 6860.1/20

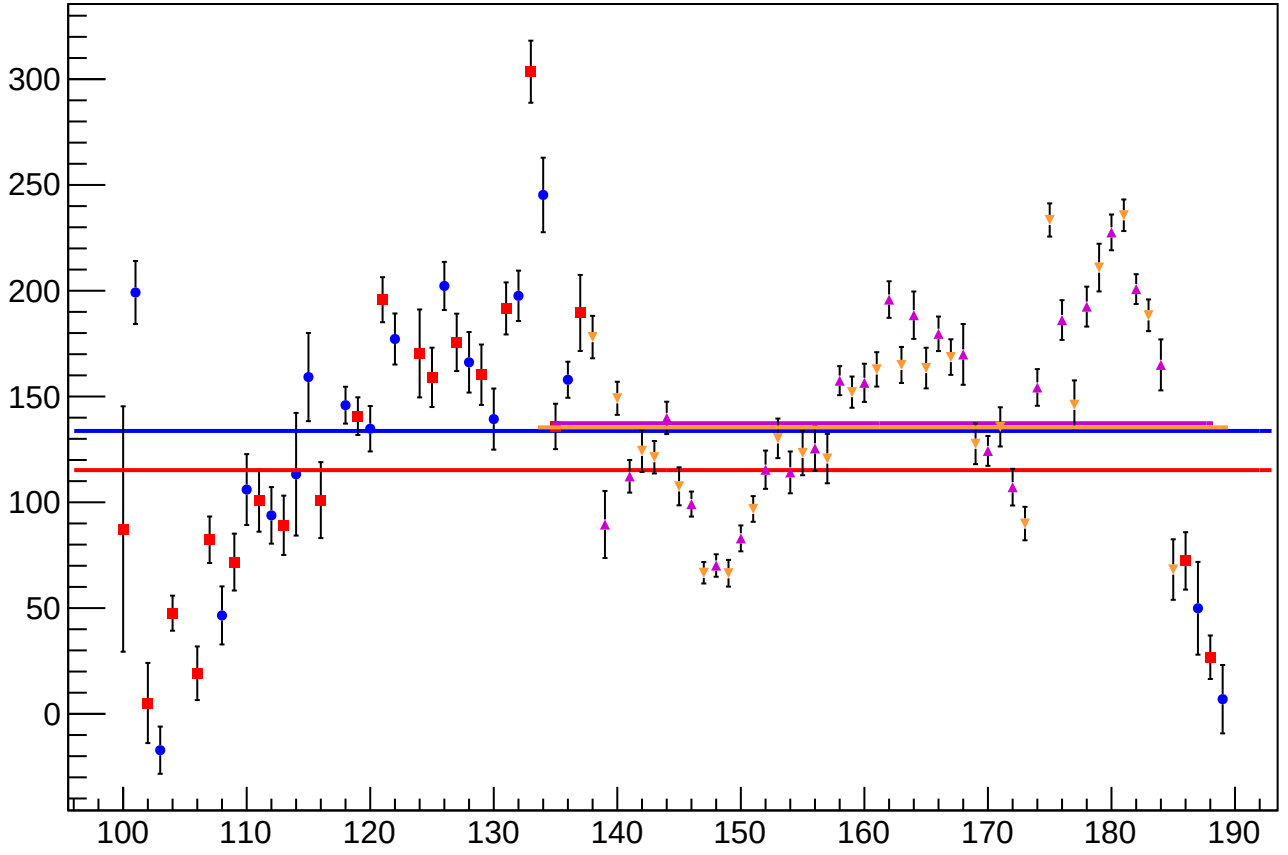
Left In: 512.270+/-1.984 χ^2/NDF:2087.6/22

+ sign 556.971+/-1.543 χ^2/NDF: 8678.9/42

All: 568.443+/-1.055 χ^2/NDF: 20115.5/86

- sign 578.538+/-1.447 χ^2/NDF: 11332.6/43

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 133.729+/-3.063 χ^2/NDF: 465.8/17

Left Out: 135.407+/-1.649 χ^2/NDF:923.2/24

Right Out: 115.210+/-2.799 χ^2/NDF: 602.6/20

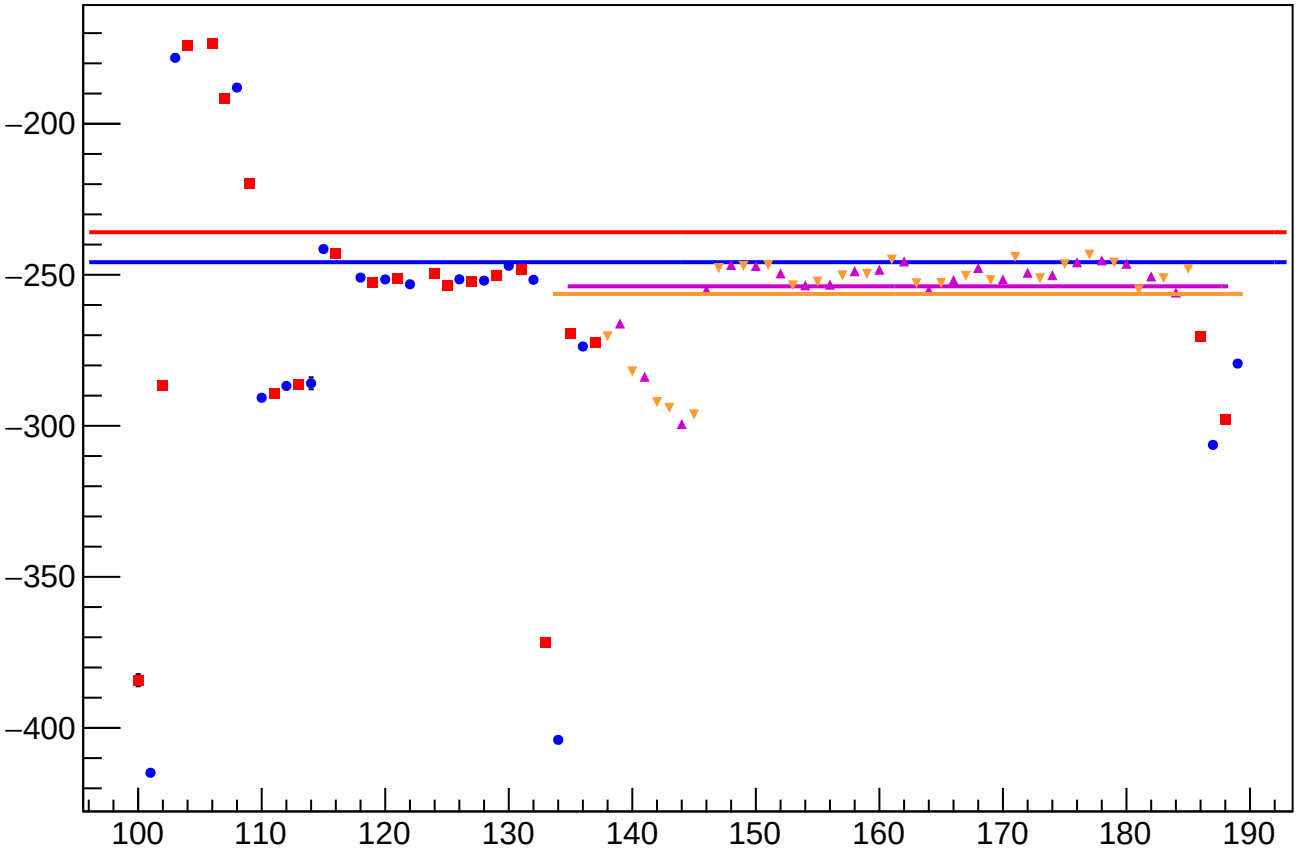
Left In: 137.374+/-1.702 χ^2/NDF:706.0/22

+ sign 135.030+/-1.452 χ^2/NDF: 1389.2/42

All: 133.214+/-1.027 χ^2/NDF: 2746.7/86

- sign 131.392+/-1.454 χ^2/NDF: 1354.4/43

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -245.828+/-0.158 χ^2/NDF: 178012.7/17

Left Out: -256.344+/-0.077 χ^2/NDF:39513.4/24

Right Out: -235.917+/-0.150 χ^2/NDF: 117386.9/20

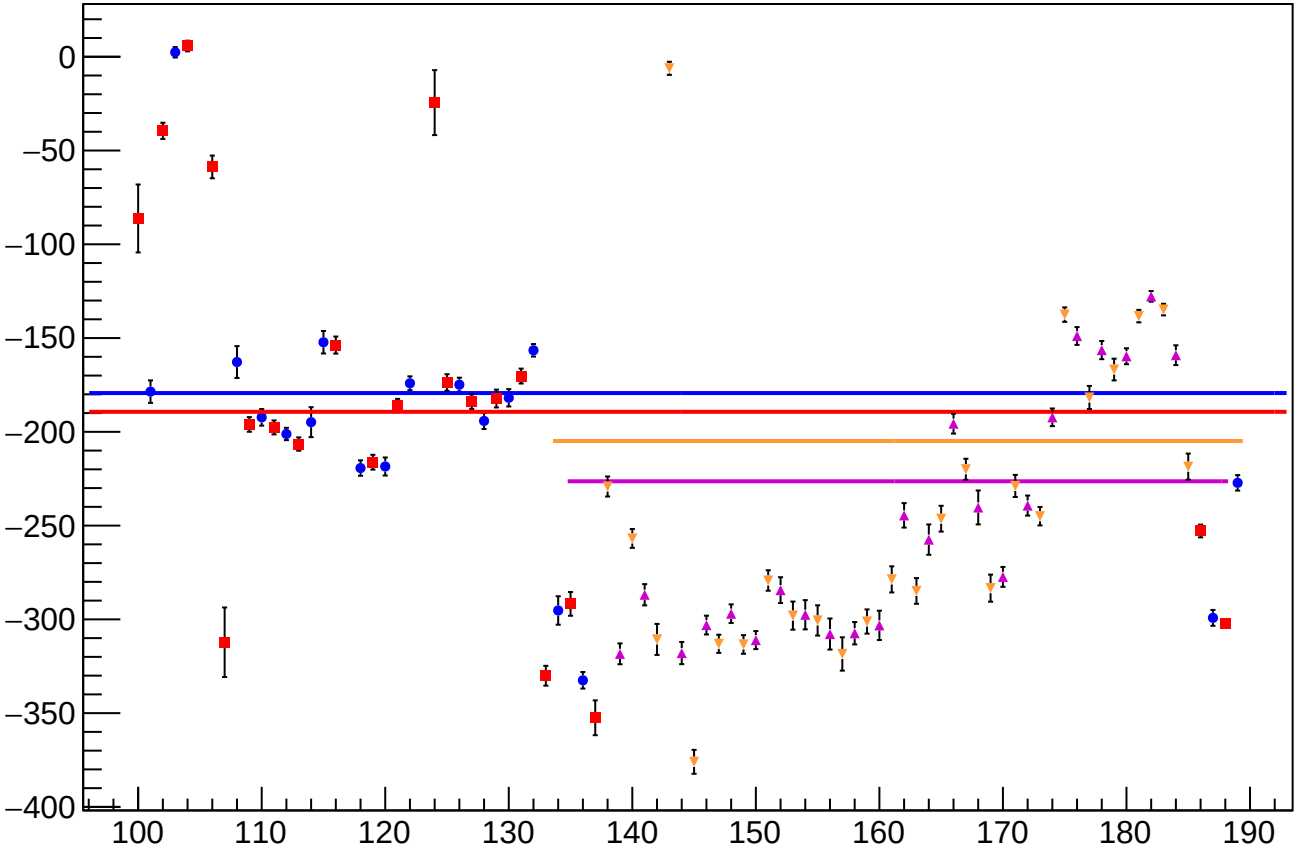
Left In: -253.817+/-0.078 χ^2/NDF:24076.7/22

+ sign -254.321+/-0.069 χ^2/NDF: 221114.2/42

All: -252.160+/-0.049 χ^2/NDF: 375779.0/86

- sign -250.008+/-0.069 χ^2/NDF: 152718.9/43

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -179.321+/-1.011 χ^2/NDF: 6953.4/17

Left Out: -204.891+/-1.052 χ^2/NDF:7826.3/24

Right Out: -189.330+/-0.913 χ^2/NDF: 10828.8/20

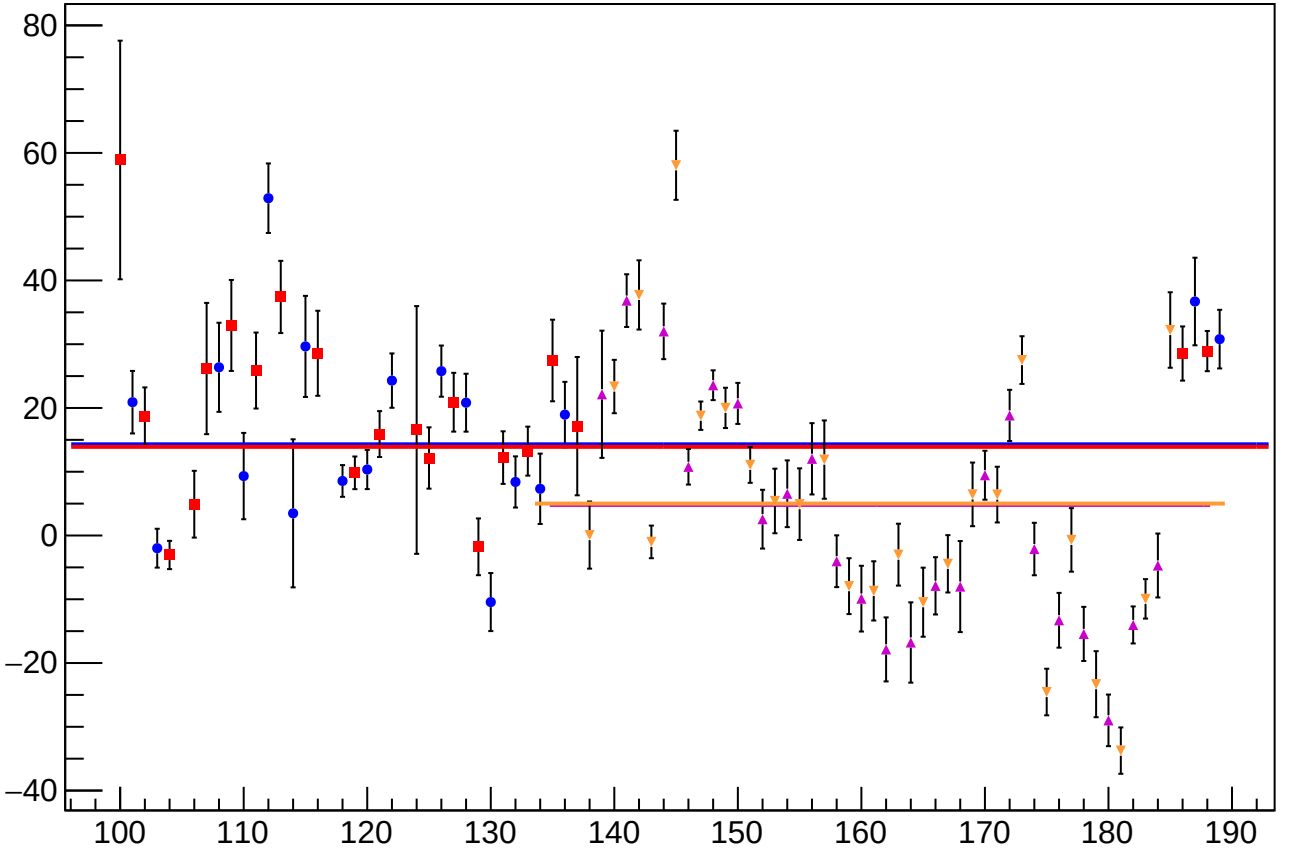
Left In: -226.365+/-1.105 χ^2/NDF:4219.0/22

+ sign -191.596+/-0.729 χ^2/NDF: 15086.9/42

All: -198.197+/-0.506 χ^2/NDF: 30961.1/86

- sign -204.350+/-0.704 χ^2/NDF: 15715.6/43

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 14.296+/-1.036 χ^2/NDF: 169.0/17

Left Out: 5.006+/-0.793 χ^2/NDF:548.5/24

Right Out: 13.903+/-0.958 χ^2/NDF: 159.9/20

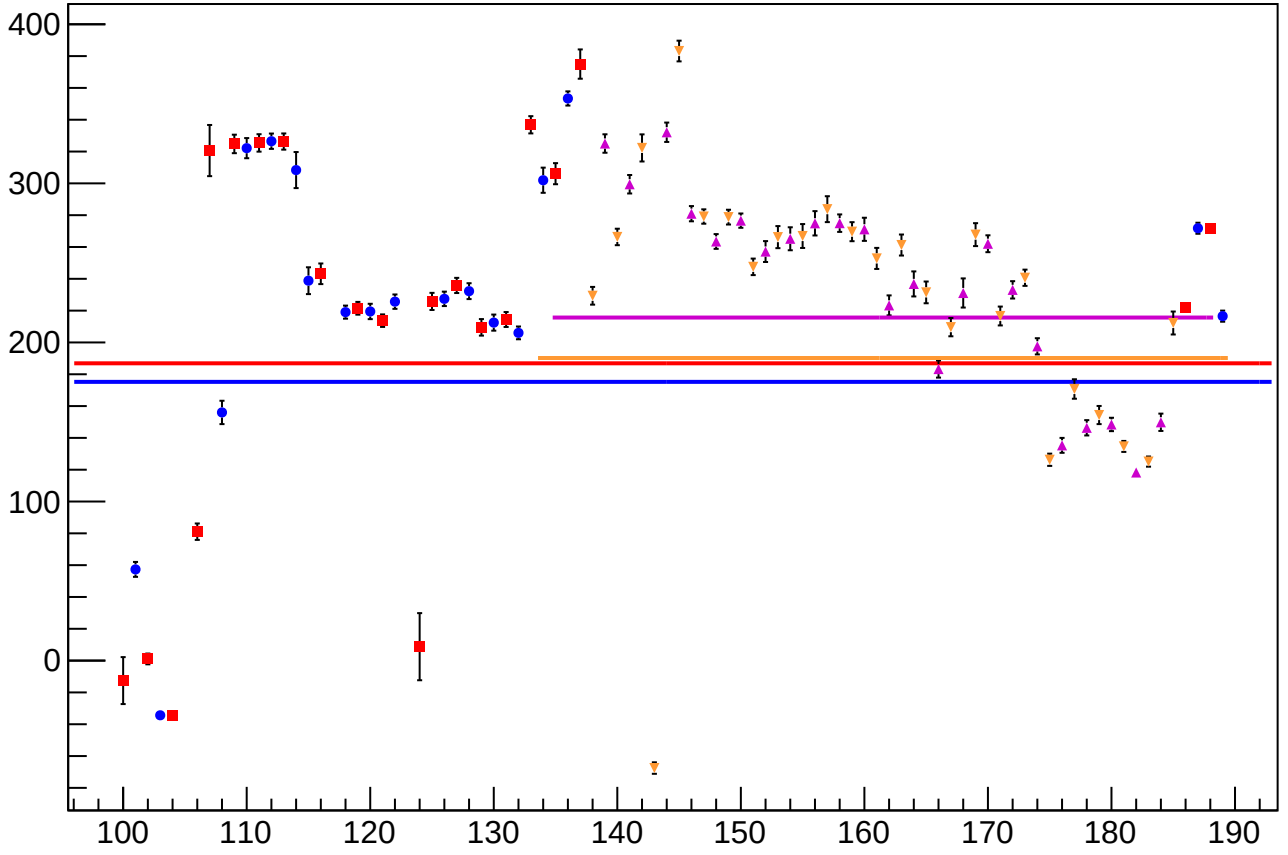
Left In: 4.799+/-0.846 χ^2/NDF:426.3/22

+ sign 8.440+/-0.630 χ^2/NDF: 768.2/42

All: 8.613+/-0.447 χ^2/NDF: 1405.3/86

- sign 8.788+/-0.634 χ^2/NDF: 636.9/43

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 175.218+/-1.034 χ^2/NDF: 15034.2/17

Left Out: 190.219+/-1.050 χ^2/NDF:9384.0/24

Right Out: 186.884+/-0.894 χ^2/NDF: 19694.1/20

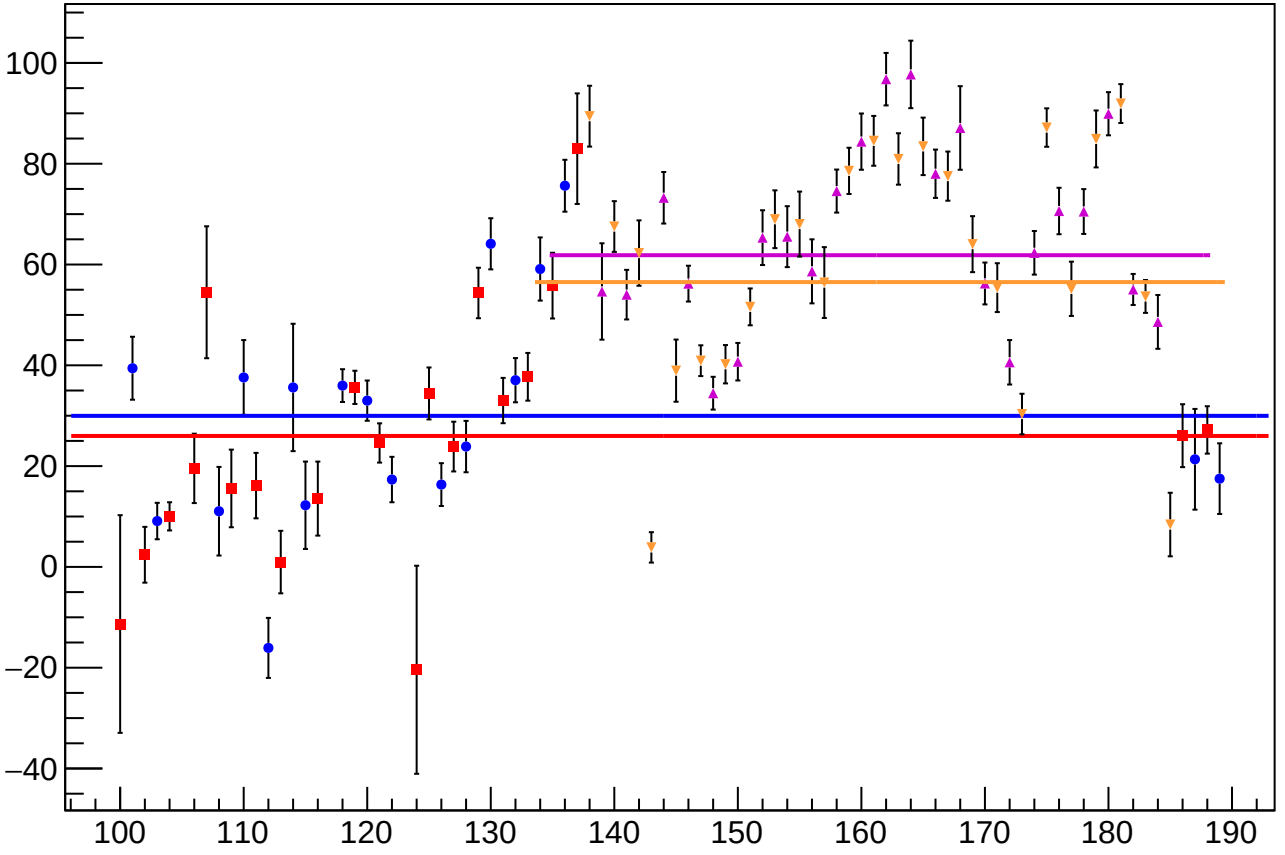
Left In: 215.649+/-1.098 χ^2/NDF:3886.0/22

+ sign 182.601+/-0.737 χ^2/NDF: 24521.8/42

All: 190.951+/-0.505 χ^2/NDF: 48756.8/86

- sign 198.349+/-0.693 χ^2/NDF: 23992.7/43

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 29.975+/-1.226 χ^2/NDF: 281.0/17

Left Out: 56.514+/-0.909 χ^2/NDF:798.9/24

Right Out: 25.985+/-1.154 χ^2/NDF: 187.8/20

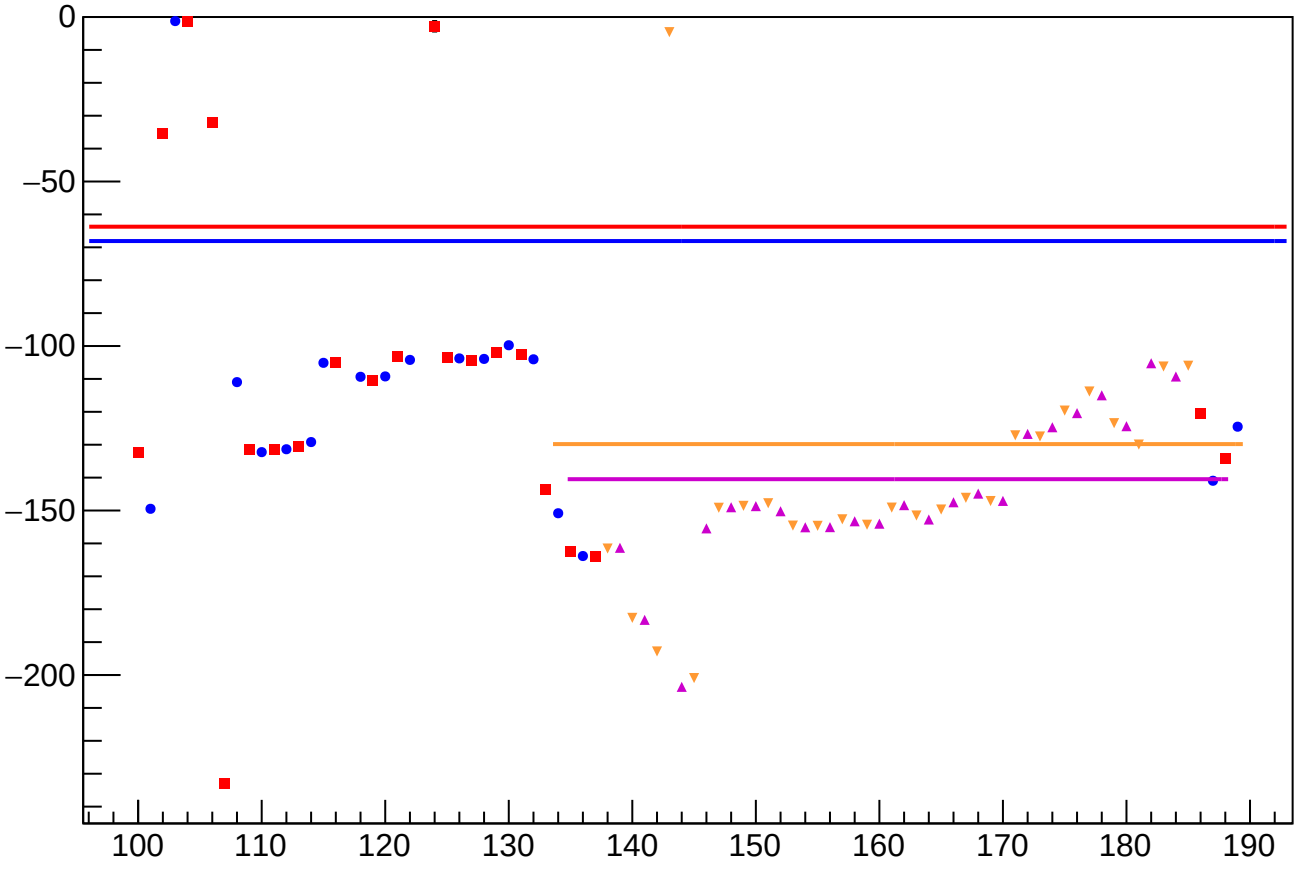
Left In: 61.850+/-0.961 χ^2/NDF:320.7/22

+ sign 47.096+/-0.730 χ^2/NDF: 1382.4/42

All: 47.128+/-0.519 χ^2/NDF: 2460.9/86

- sign 47.161+/-0.739 χ^2/NDF: 1078.5/43

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -68.095+/-0.062 χ^2/NDF: 1097821.9/17

Left Out: -129.810+/-0.042 χ^2/NDF:1025155.0/24

Right Out: -63.730+/-0.060 χ^2/NDF: 988024.5/20

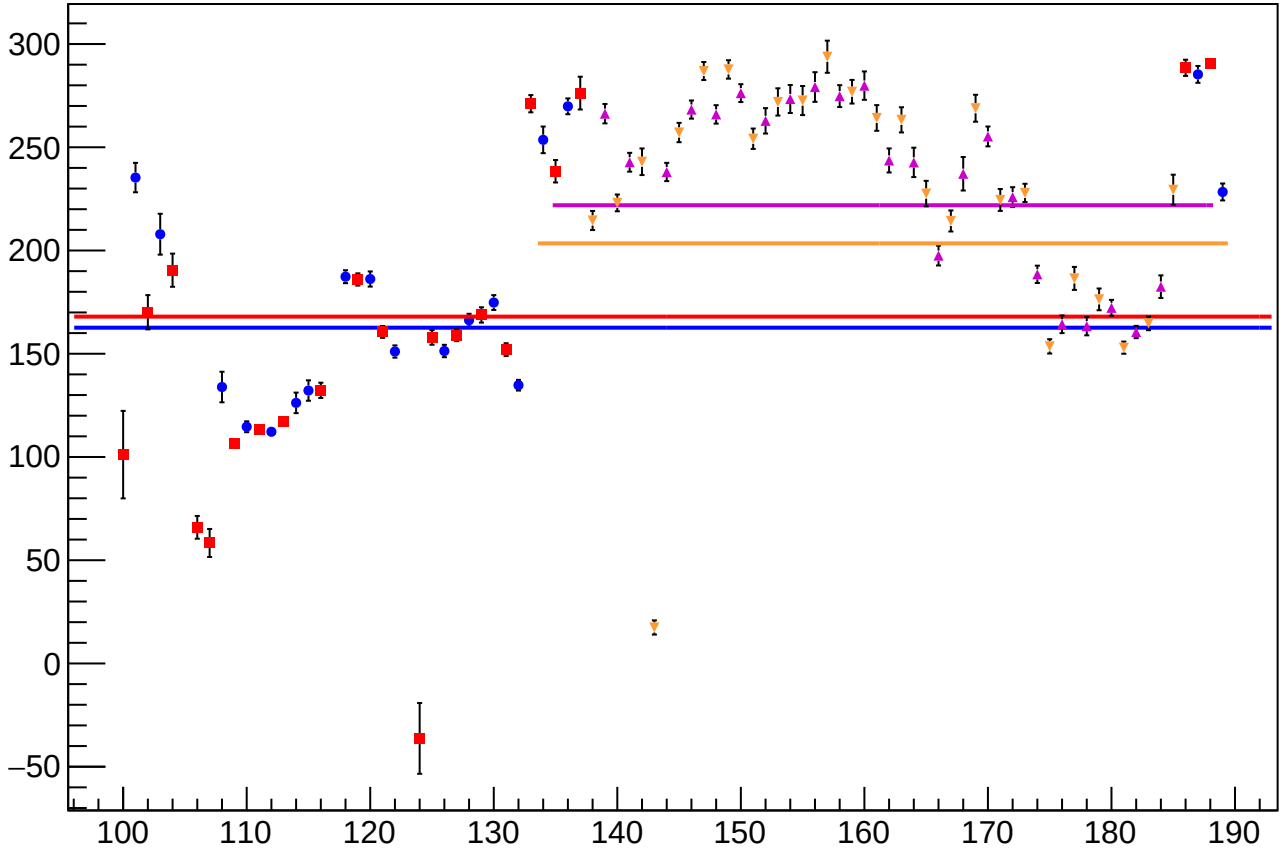
Left In: -140.477+/-0.044 χ^2/NDF:254660.0/22

+ sign -110.328+/-0.035 χ^2/NDF: 2799253.0/42

All: -111.984+/-0.025 χ^2/NDF: 5125303.0/86

- sign -113.672+/-0.035 χ^2/NDF: 2321499.3/43

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 162.618+/-0.832 χ^2/NDF: 3538.8/17

Left Out: 203.453+/-0.953 χ^2/NDF:5491.5/24

Right Out: 167.980+/-0.758 χ^2/NDF: 7828.5/20

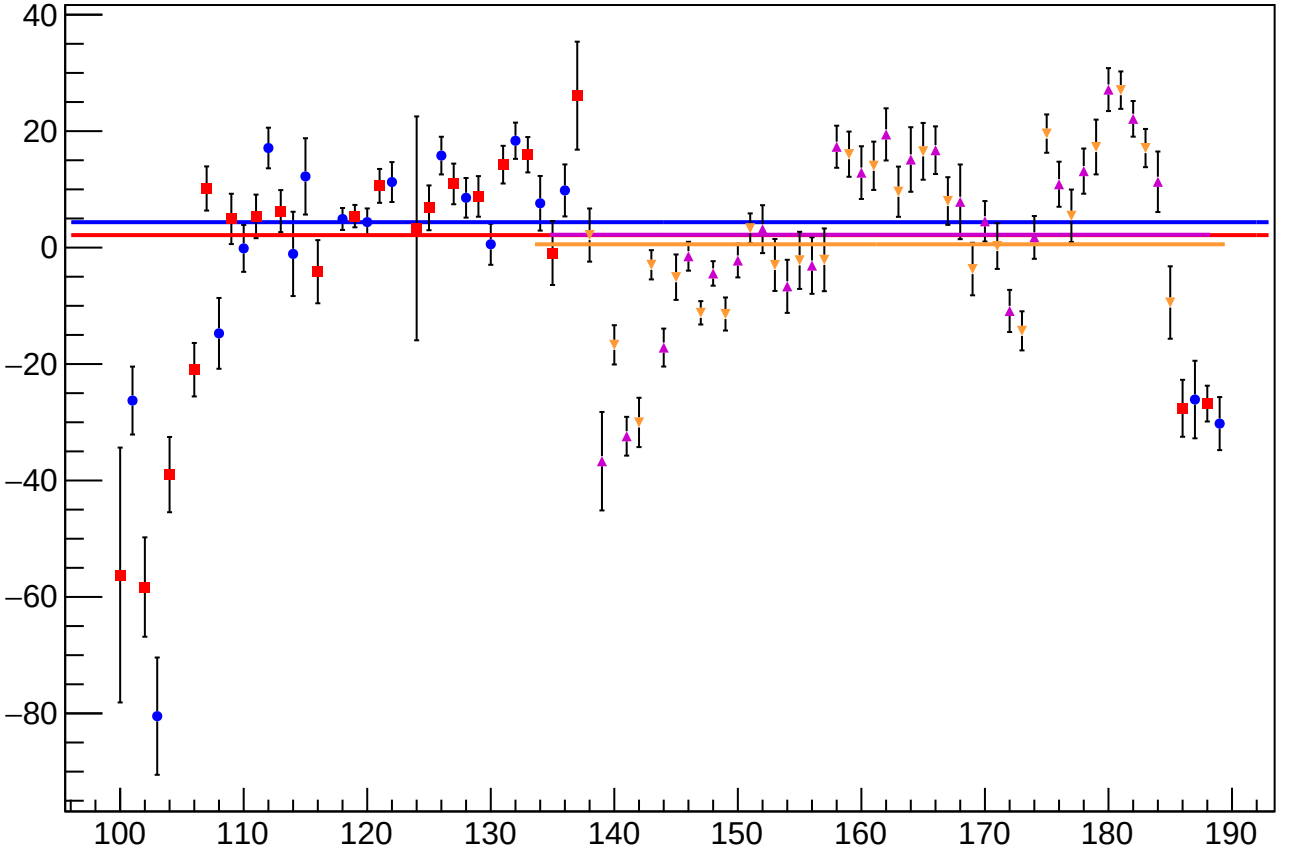
Left In: 221.923+/-1.003 χ^2/NDF:1986.7/22

+ sign 180.289+/-0.627 χ^2/NDF: 10071.9/42

All: 184.072+/-0.435 χ^2/NDF: 21798.5/86

- sign 187.593+/-0.605 χ^2/NDF: 11656.3/43

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 4.365+/-0.866 χ^2/NDF: 245.0/17

Left Out: 0.568+/-0.716 χ^2/NDF:345.4/24

Right Out: 2.142+/-0.842 χ^2/NDF: 321.4/20

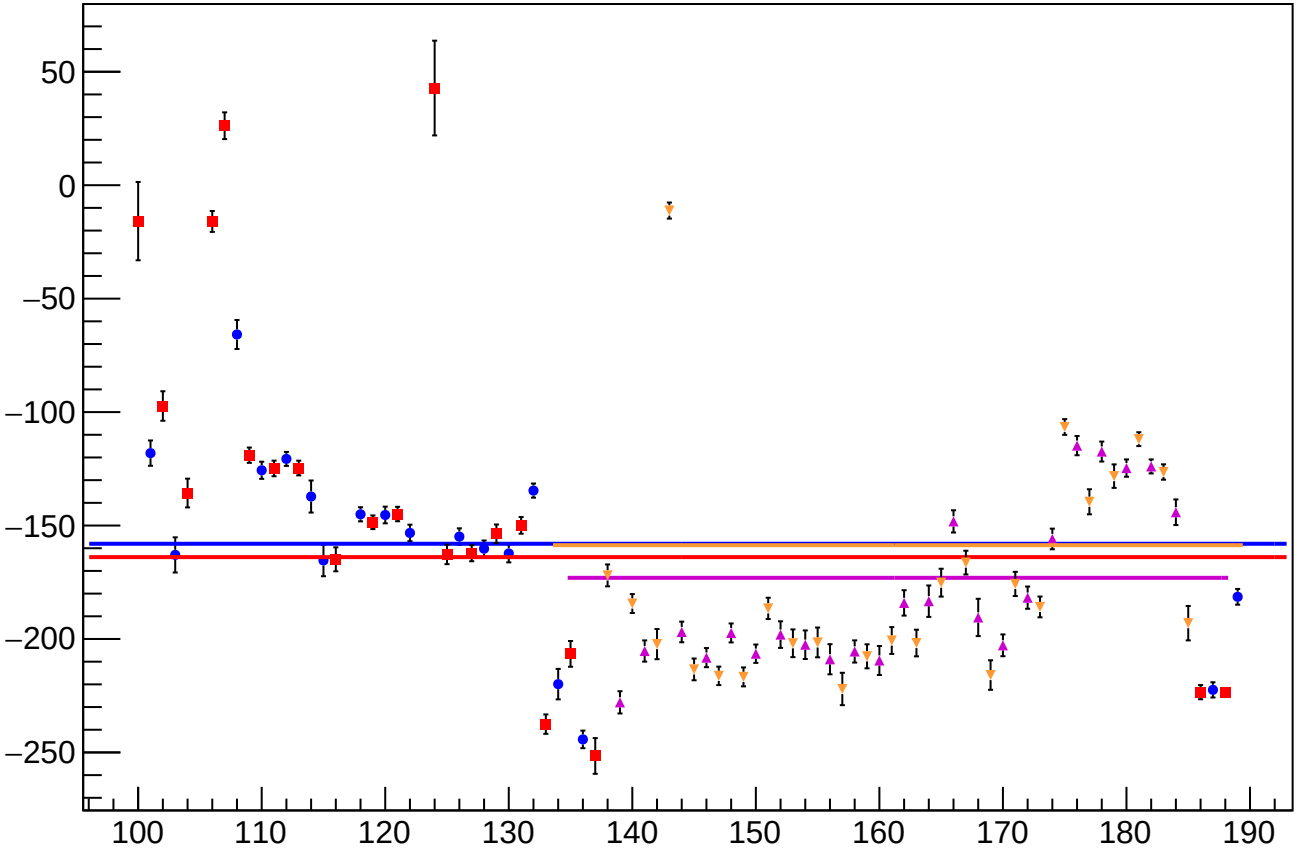
Left In: 2.210+/-0.760 χ^2/NDF:358.2/22

+ sign 2.108+/-0.552 χ^2/NDF: 601.9/42

All: 2.143+/-0.394 χ^2/NDF: 1281.4/86

- sign 2.179+/-0.564 χ^2/NDF: 679.5/43

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -158.037+/-0.944 χ^2/NDF: 1575.7/17

Left Out: -158.658+/-0.951 χ^2/NDF:3491.8/24

Right Out: -163.918+/-0.834 χ^2/NDF: 4896.2/20

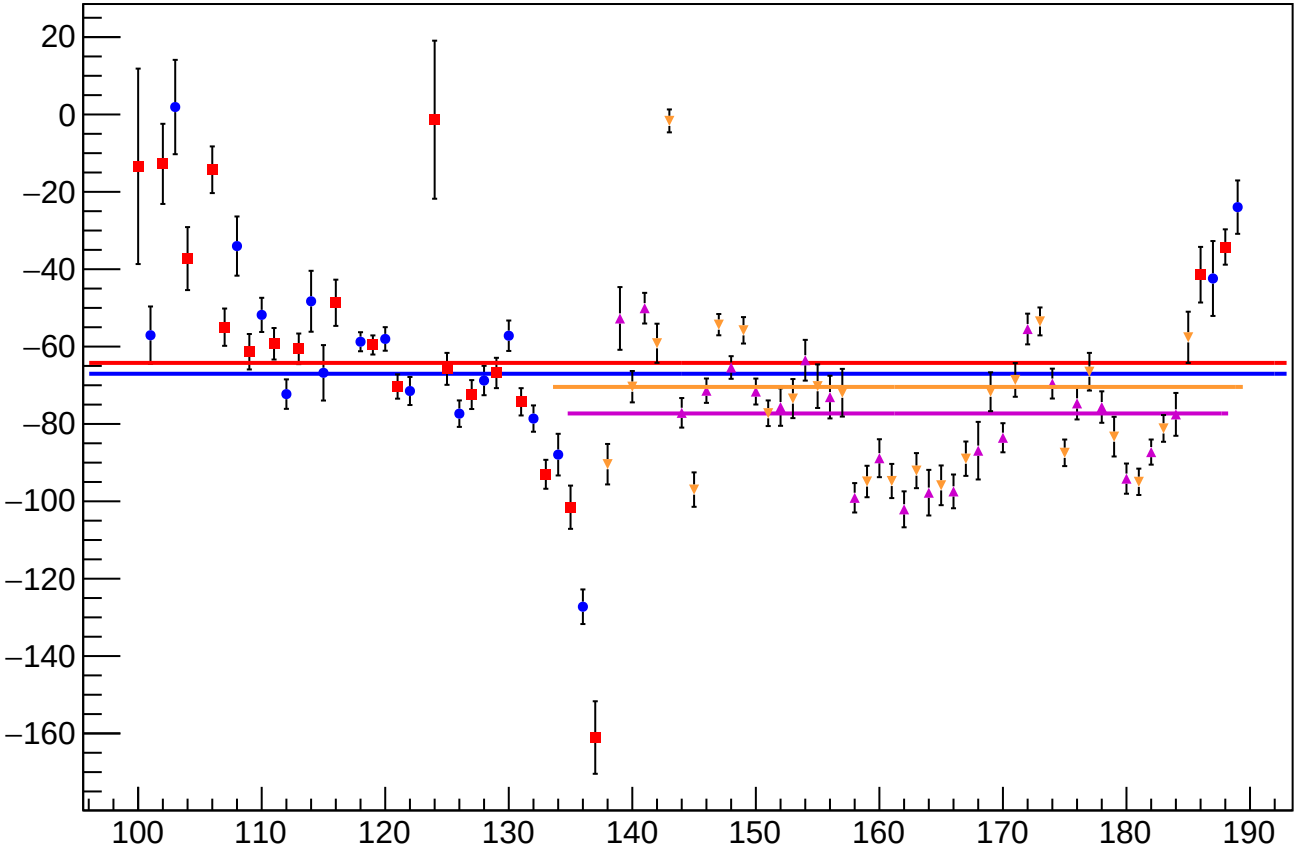
Left In: -173.043+/-0.996 χ^2/NDF:1399.9/22

+ sign -158.345+/-0.670 χ^2/NDF: 5067.6/42

All: -163.230+/-0.462 χ^2/NDF: 11514.8/86

- sign -167.681+/-0.639 χ^2/NDF: 6345.5/43

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -67.025+/-1.016 χ^2/NDF: 362.3/17

Left Out: -70.427+/-0.821 χ^2/NDF:901.6/24

Right Out: -64.218+/-0.990 χ^2/NDF: 415.1/20

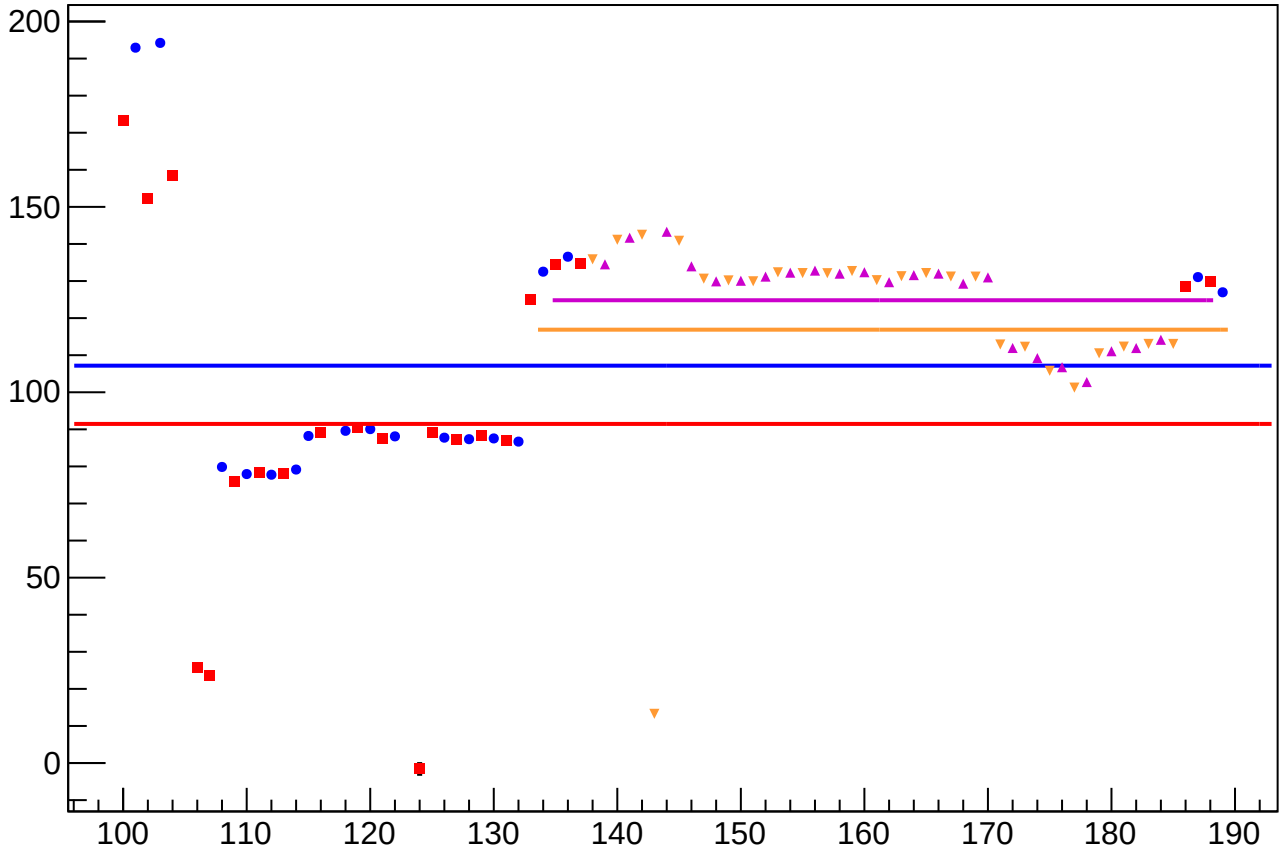
Left In: -77.288+/-0.866 χ^2/NDF:254.3/22

+ sign -69.083+/-0.639 χ^2/NDF: 1270.7/42

All: -70.327+/-0.456 χ^2/NDF: 2046.6/86

- sign -71.622+/-0.652 χ^2/NDF: 768.2/43

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 107.174+/-0.068 χ^2/NDF: 246479.9/17

Left Out: 116.881+/-0.038 χ^2/NDF:623110.0/24

Right Out: 91.462+/-0.063 χ^2/NDF: 411344.9/20

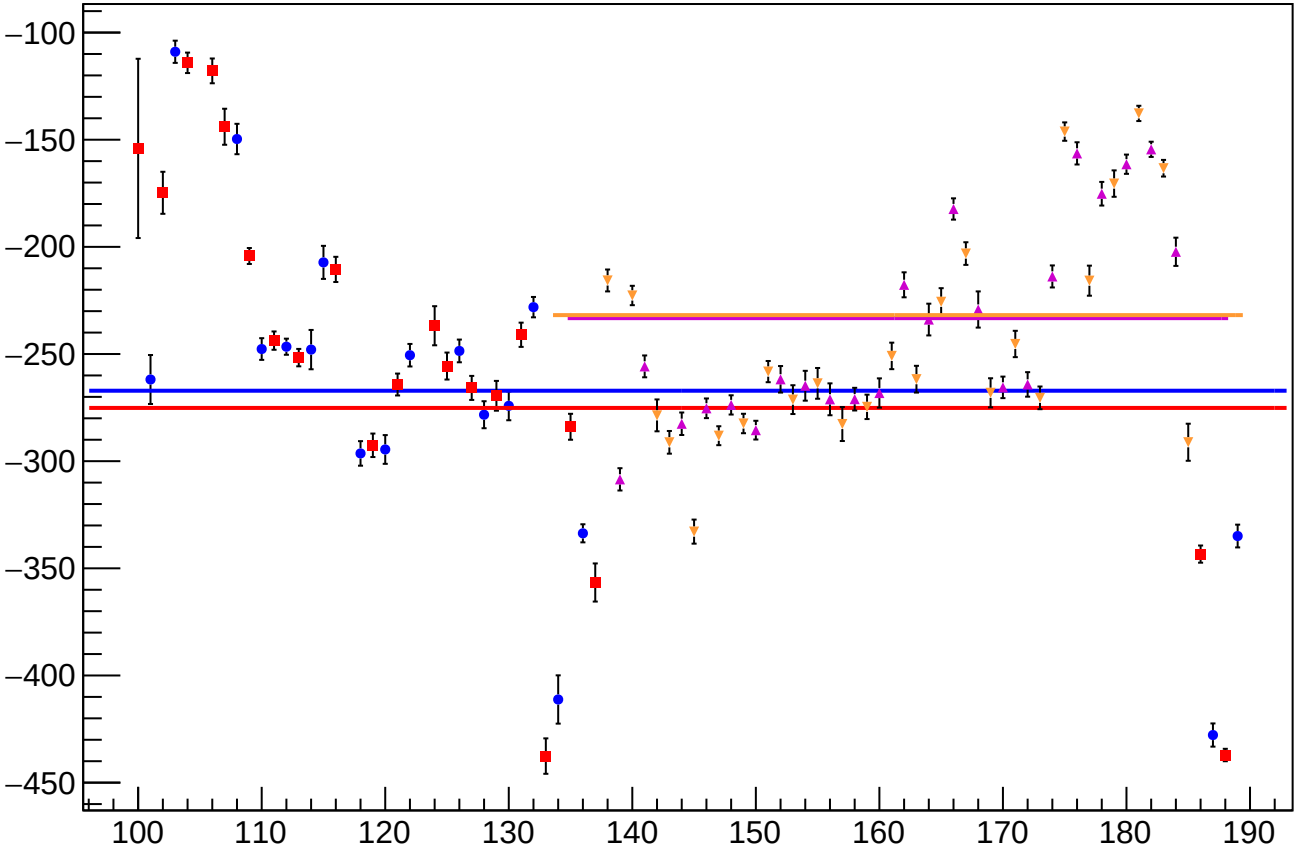
Left In: 124.819+/-0.039 χ^2/NDF:88116.2/22

\+ sign 114.580+/-0.033 χ^2/NDF: 884977.2/42

All: 114.978+/-0.024 χ^2/NDF: 1588348.4/86

\- sign 115.377+/-0.033 χ^2/NDF: 703084.6/43

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -267.128+/-1.345 χ^2/NDF: 2908.7/17

Left Out: -231.847+/-1.080 χ^2/NDF:2676.6/24

Right Out: -275.154+/-1.160 χ^2/NDF: 6765.9/20

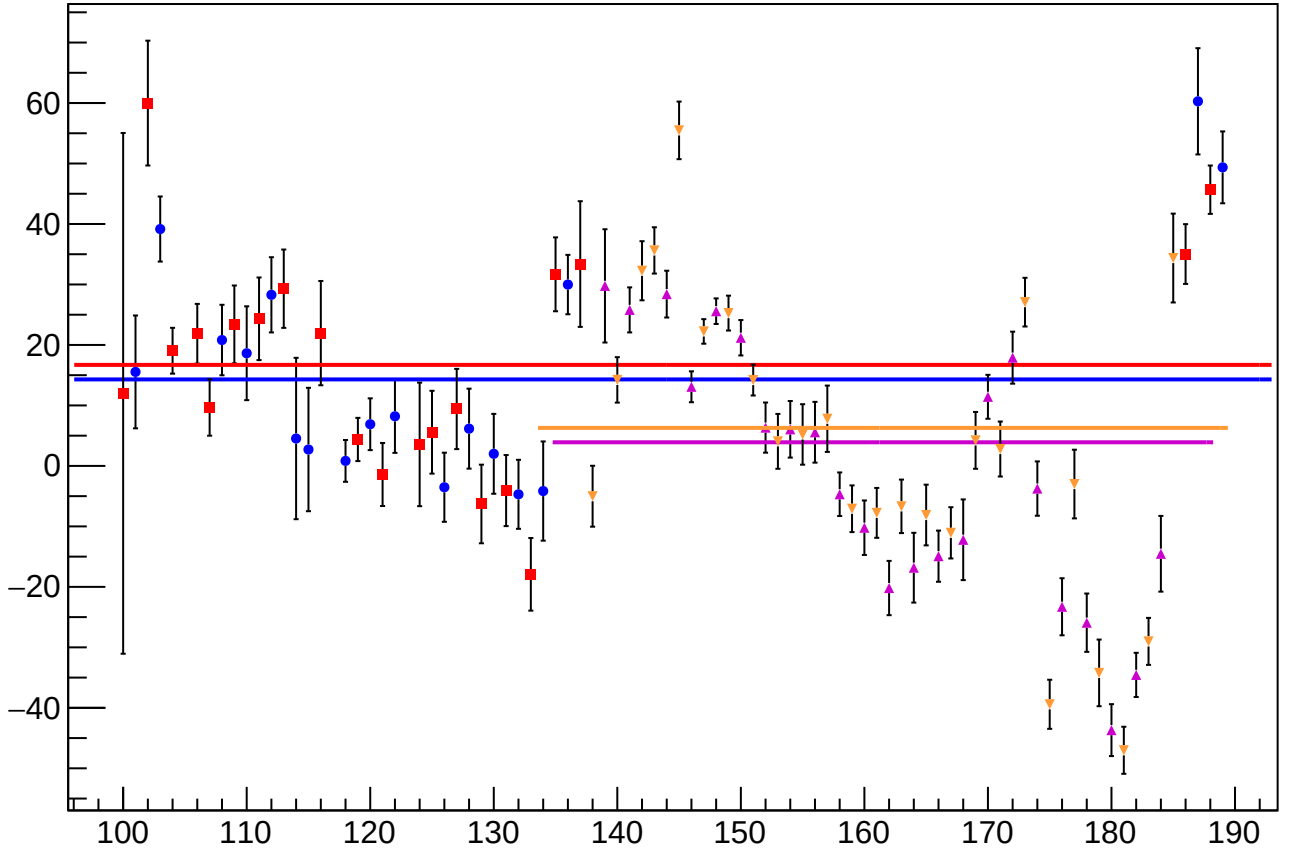
Left In: -233.258+/-1.108 χ^2/NDF:2067.0/22

+ sign -245.684+/-0.842 χ^2/NDF: 6003.7/42

All: -249.654+/-0.580 χ^2/NDF: 15561.4/86

- sign -253.244+/-0.801 χ^2/NDF: 9515.4/43

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 14.301+/-1.409 χ^2/NDF: 152.3/17

Left Out: 6.288+/-0.789 χ^2/NDF:871.5/24

Right Out: 16.704+/-1.252 χ^2/NDF: 190.4/20

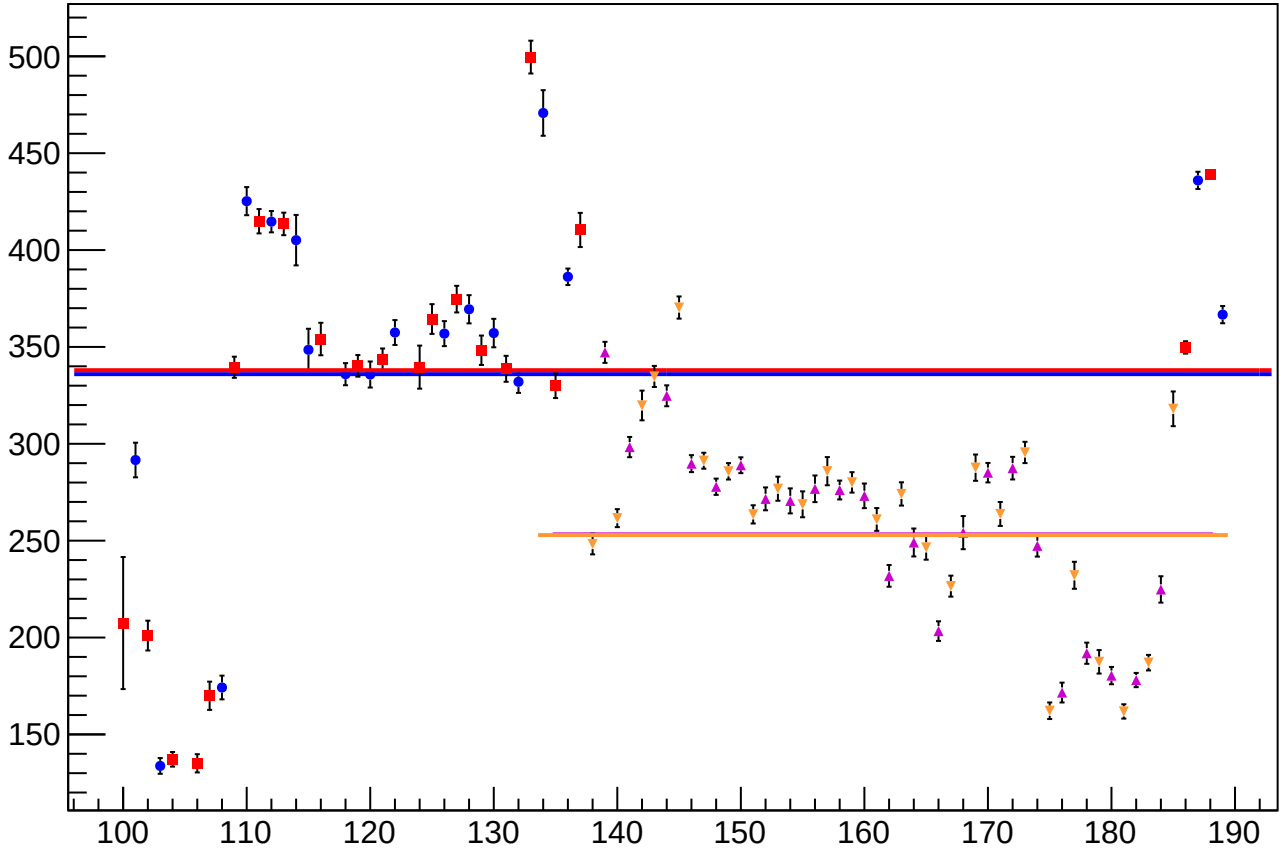
Left In: 3.906+/-0.818 χ^2/NDF:650.3/22

+ sign 8.201+/-0.688 χ^2/NDF: 1048.4/42

All: 7.968+/-0.486 χ^2/NDF: 1962.6/86

- sign 7.737+/-0.685 χ^2/NDF: 914.0/43

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 335.947+/-1.416 χ^2/NDF: 4457.4/17

Left Out: 252.886+/-1.070 χ^2/NDF:2579.0/24

Right Out: 337.991+/-1.164 χ^2/NDF: 8261.1/20

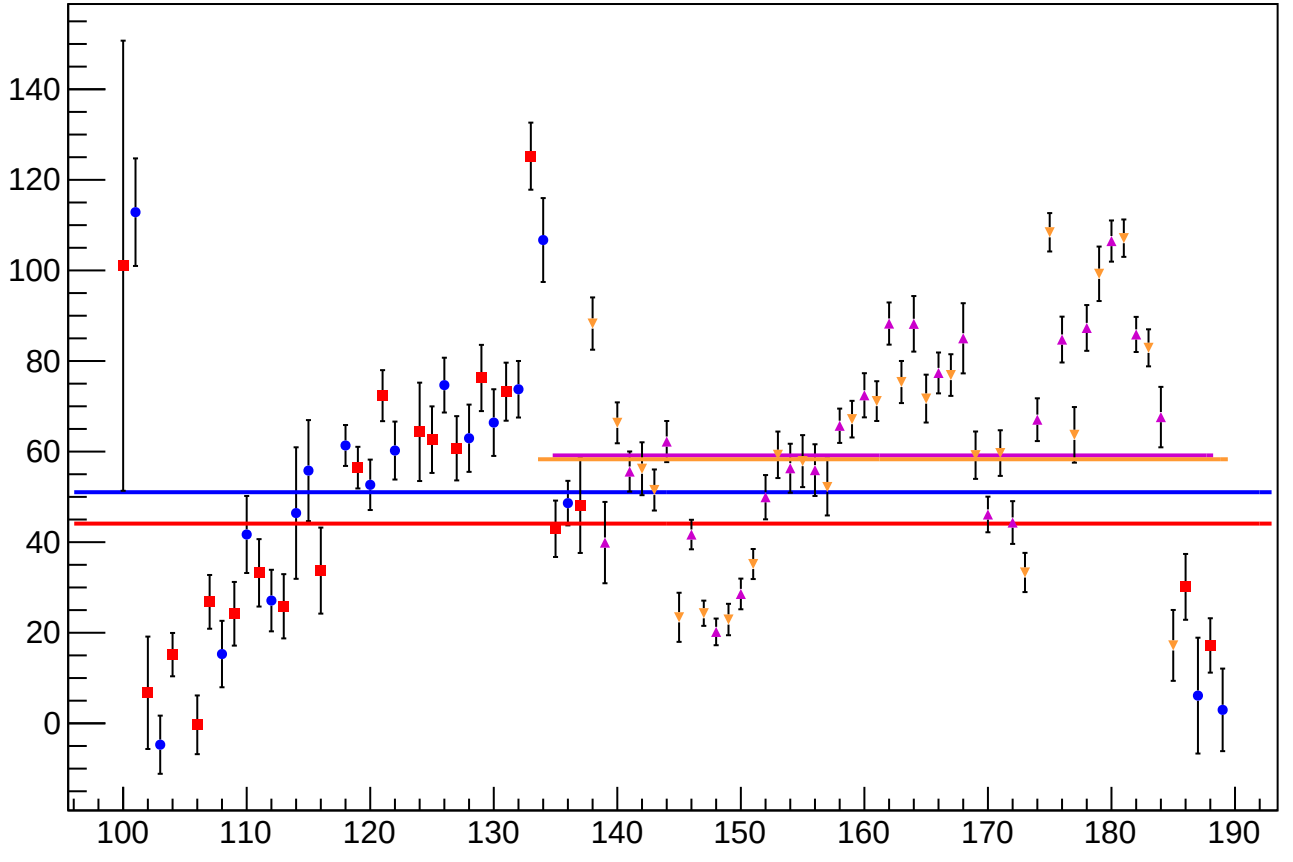
Left In: 253.248+/-1.093 χ^2/NDF:2059.7/22

+ sign 283.096+/-0.854 χ^2/NDF: 9226.2/42

All: 288.370+/-0.583 χ^2/NDF: 22433.6/86

- sign 292.965+/-0.797 χ^2/NDF: 13136.1/43

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 51.032+/-1.656 χ^2/NDF: 259.5/17

Left Out: 58.306+/-0.911 χ^2/NDF:850.2/24

Right Out: 44.099+/-1.507 χ^2/NDF: 352.0/20

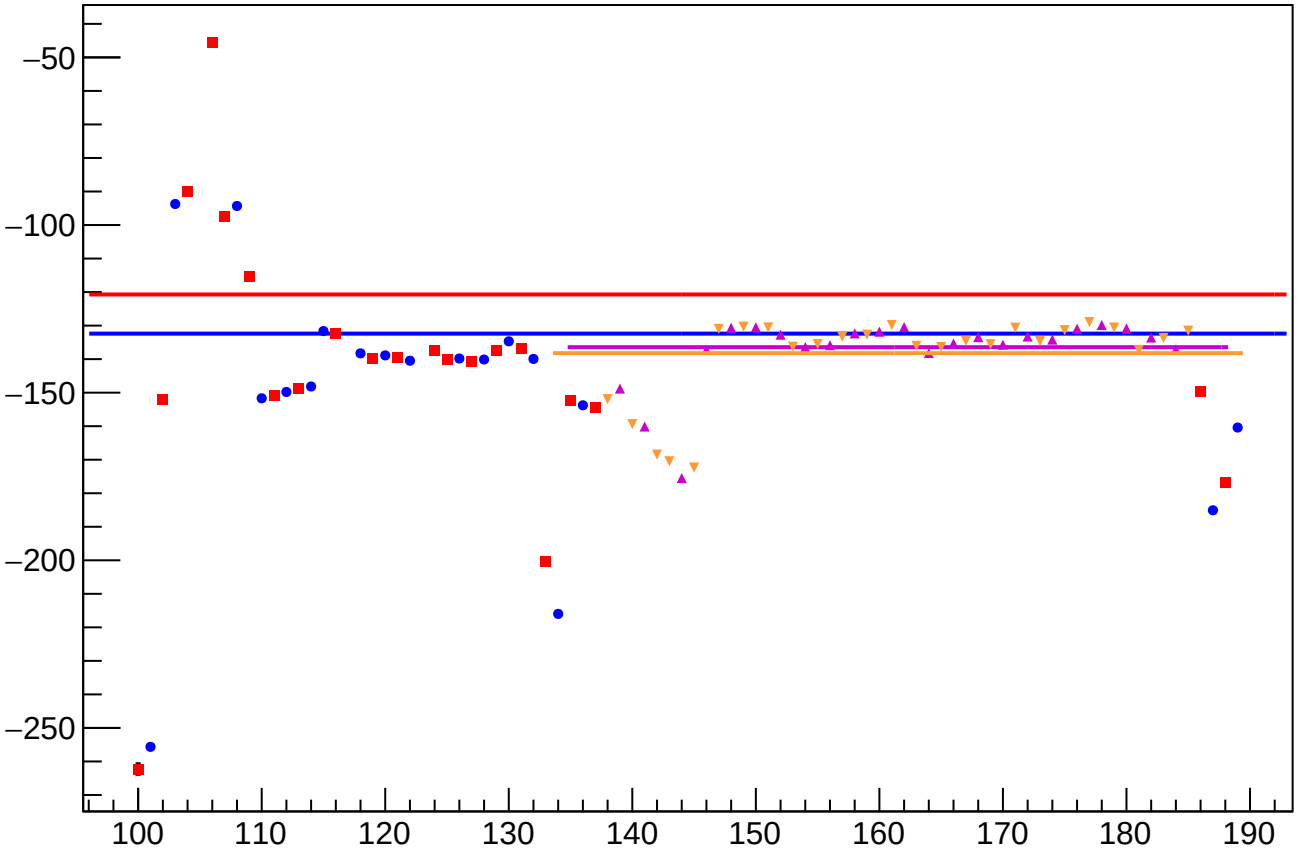
Left In: 59.151+/-0.938 χ^2/NDF:632.4/22

+ sign 56.615+/-0.798 χ^2/NDF: 1124.5/42

All: 55.777+/-0.564 χ^2/NDF: 2183.0/86

- sign 54.944+/-0.797 χ^2/NDF: 1056.3/43

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -132.389+/-0.088 χ^2/NDF: 184586.6/17

Left Out: -138.218+/-0.042 χ^2/NDF:81828.6/24

Right Out: -120.708+/-0.082 χ^2/NDF: 243126.8/20

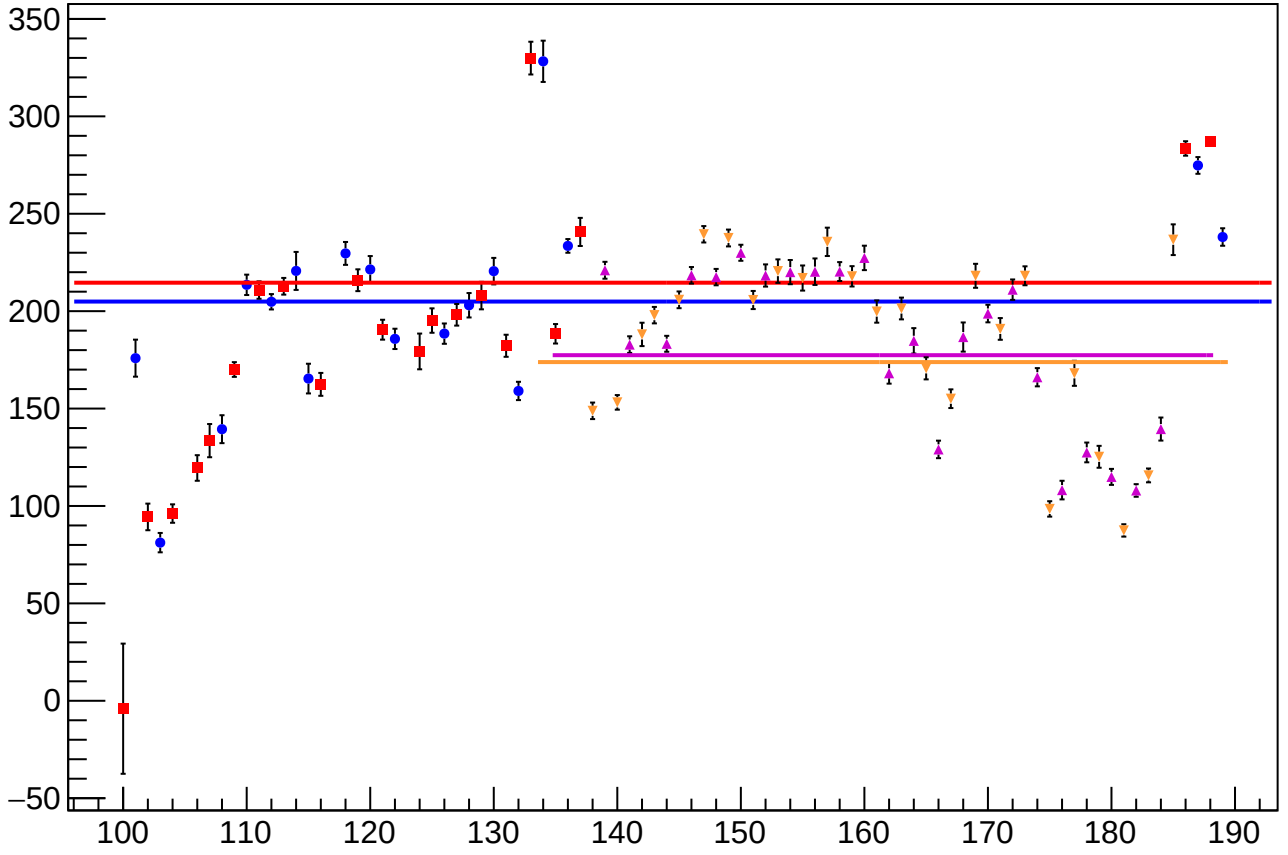
Left In: -136.429+/-0.043 χ^2/NDF:49792.9/22

+ sign -137.123+/-0.038 χ^2/NDF: 269949.2/42

All: -135.063+/-0.027 χ^2/NDF: 597613.3/86

- sign -133.040+/-0.038 χ^2/NDF: 321931.2/43

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 204.927+/-1.281 χ^2/NDF: 1413.4/17

Left Out: 173.862+/-0.962 χ^2/NDF:2627.6/24

Right Out: 214.609+/-1.095 χ^2/NDF: 3153.3/20

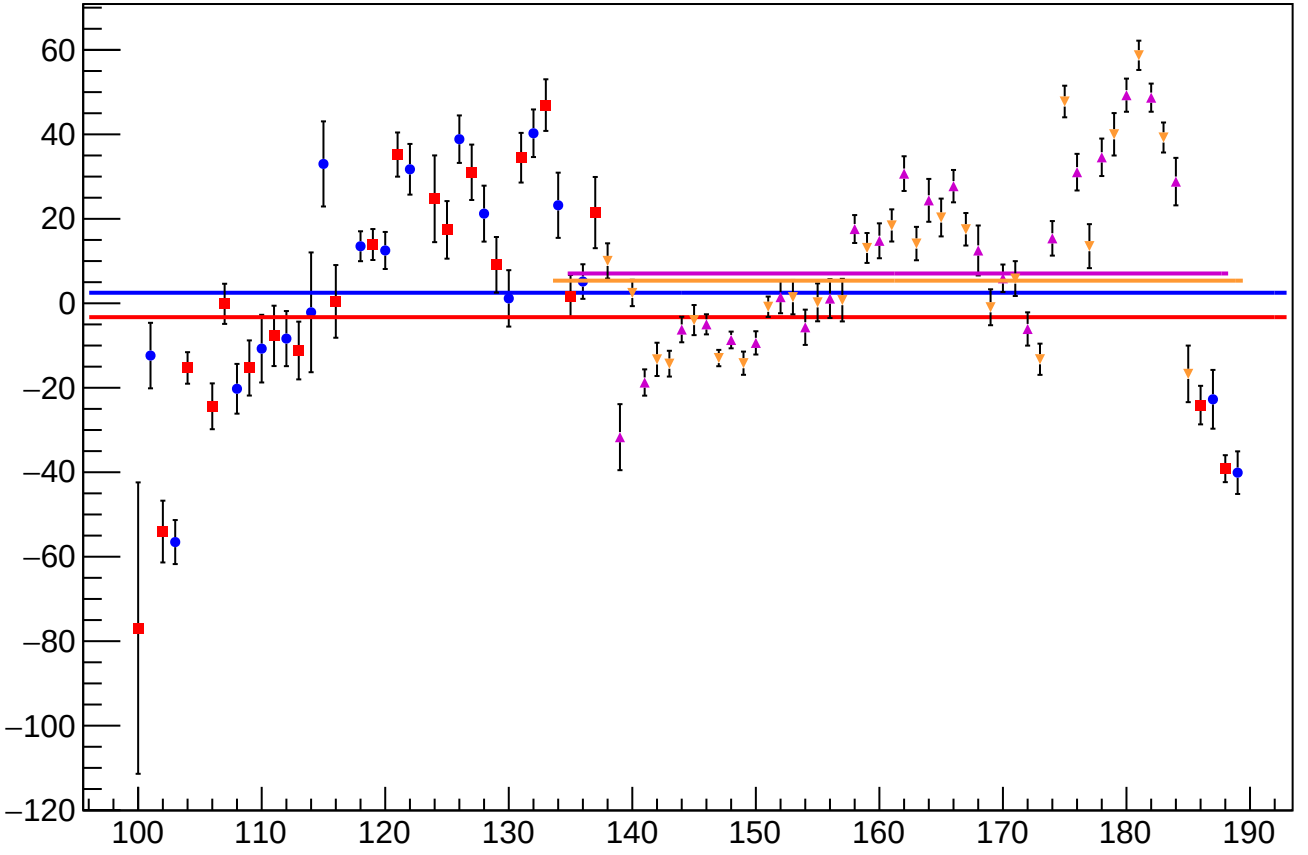
Left In: 177.403+/-0.996 χ^2/NDF:1963.0/22

+ sign 185.064+/-0.769 χ^2/NDF: 4417.0/42

All: 189.851+/-0.532 χ^2/NDF: 10239.5/86

- sign 194.241+/-0.737 χ^2/NDF: 5748.3/43

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 2.499+/-1.360 χ^2/NDF: 387.0/17

Left Out: 5.363+/-0.710 χ^2/NDF:810.0/24

Right Out: -3.281+/-1.203 χ^2/NDF: 473.1/20

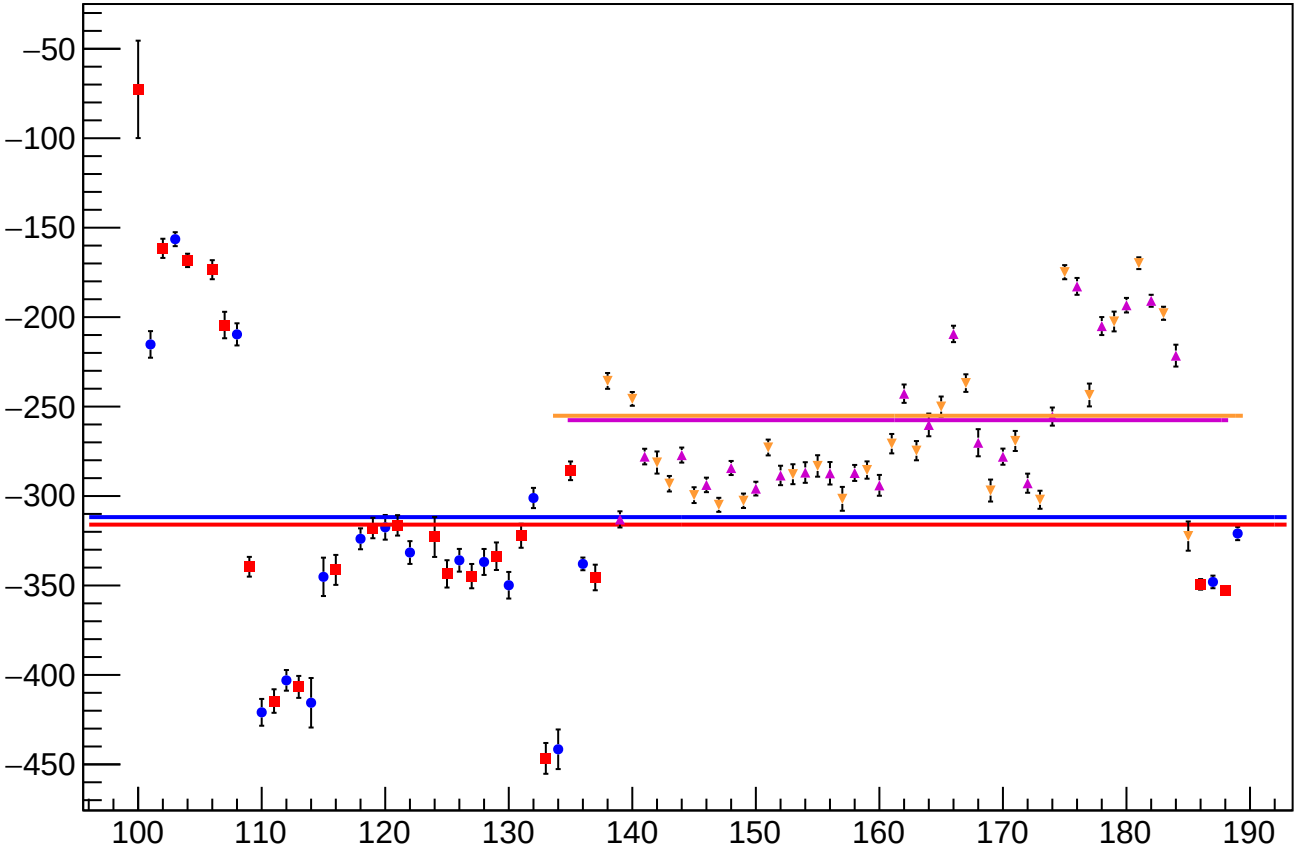
Left In: 7.061+/-0.741 χ^2/NDF:709.7/22

+ sign 4.749+/-0.630 χ^2/NDF: 1200.4/42

All: 4.482+/-0.446 χ^2/NDF: 2437.1/86

- sign 4.214+/-0.631 χ^2/NDF: 1236.4/43

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -311.787+/-1.313 χ^2/NDF: 2927.2/17

Left Out: -255.122+/-0.956 χ^2/NDF:2344.8/24

Right Out: -315.979+/-1.064 χ^2/NDF: 4732.8/20

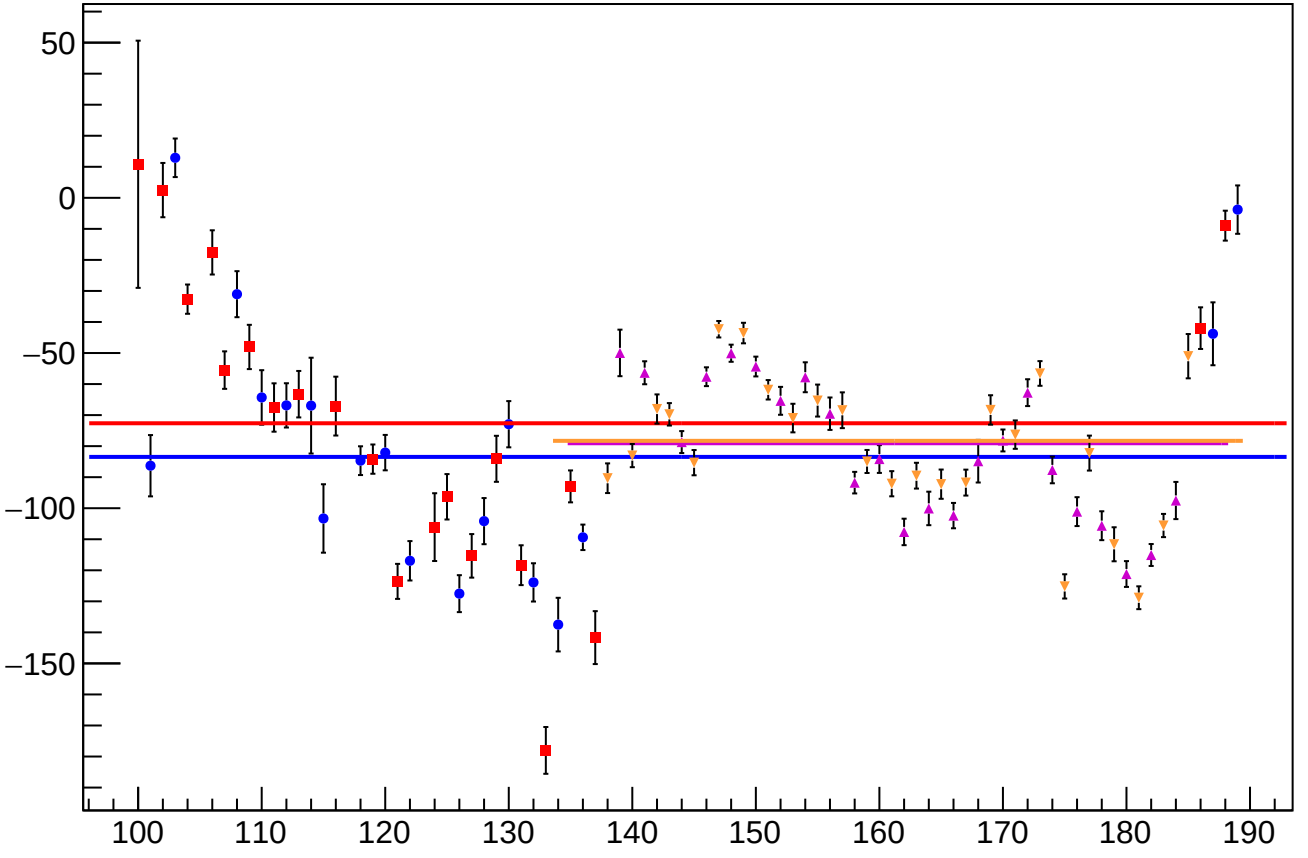
Left In: -257.600+/-0.985 χ^2/NDF:1808.1/22

+ sign -274.763+/-0.773 χ^2/NDF: 6489.1/42

All: -279.976+/-0.528 χ^2/NDF: 14736.3/86

- sign -284.534+/-0.723 χ^2/NDF: 8162.0/43

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -83.469+/-1.599 χ^2/NDF: 639.6/17

Left Out: -78.292+/-0.819 χ^2/NDF:868.2/24

Right Out: -72.630+/-1.456 χ^2/NDF: 901.5/20

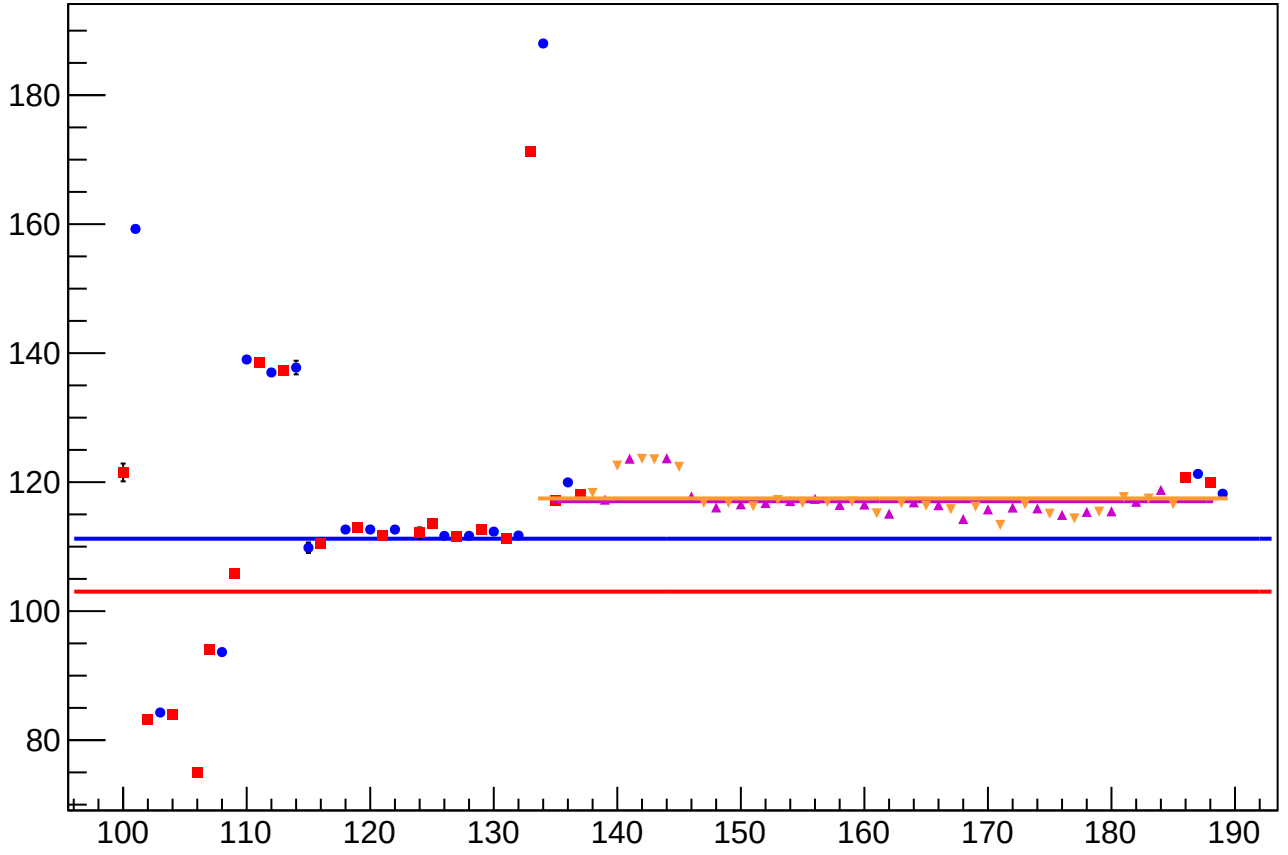
Left In: -79.066+/-0.849 χ^2/NDF:702.6/22

+ sign -79.368+/-0.729 χ^2/NDF: 1516.1/42

All: -78.407+/-0.517 χ^2/NDF: 3138.4/86

- sign -77.434+/-0.733 χ^2/NDF: 1618.8/43

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 111.230+/-0.083 χ^2/NDF: 84211.6/17

Left Out: 117.477+/-0.038 χ^2/NDF:4739.3/24

Right Out: 103.027+/-0.076 χ^2/NDF: 68088.7/20

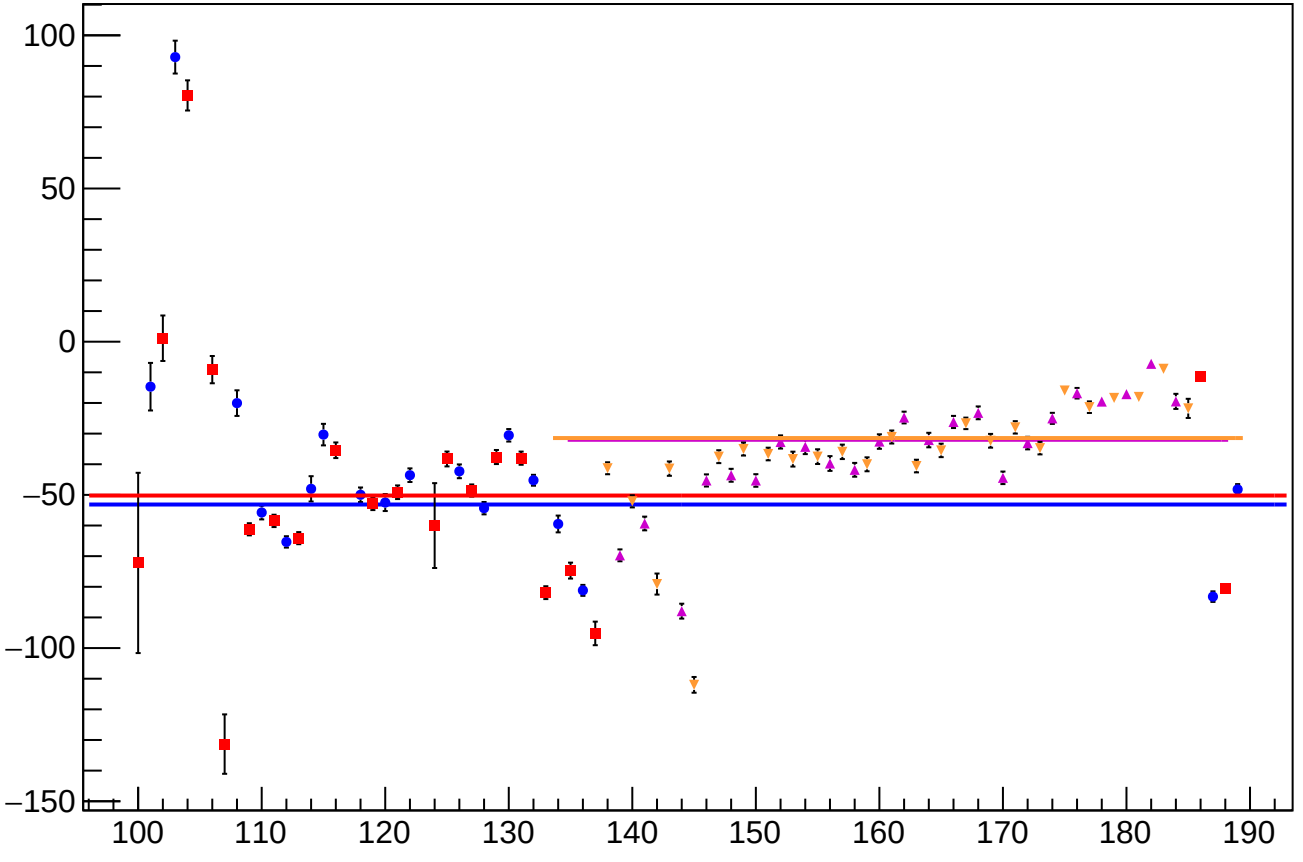
Left In: 117.046+/-0.039 χ^2/NDF:3343.0/22

\+ sign 116.391+/-0.035 χ^2/NDF: 93647.7/42

All: 115.292+/-0.024 χ^2/NDF: 193884.8/86

\- sign 114.198+/-0.034 χ^2/NDF: 98217.9/43

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -53.145+/-0.546 χ^2/NDF: 1664.9/17

Left Out: -31.452+/-0.399 χ^2/NDF:1992.2/24

Right Out: -50.216+/-0.465 χ^2/NDF: 3870.3/20

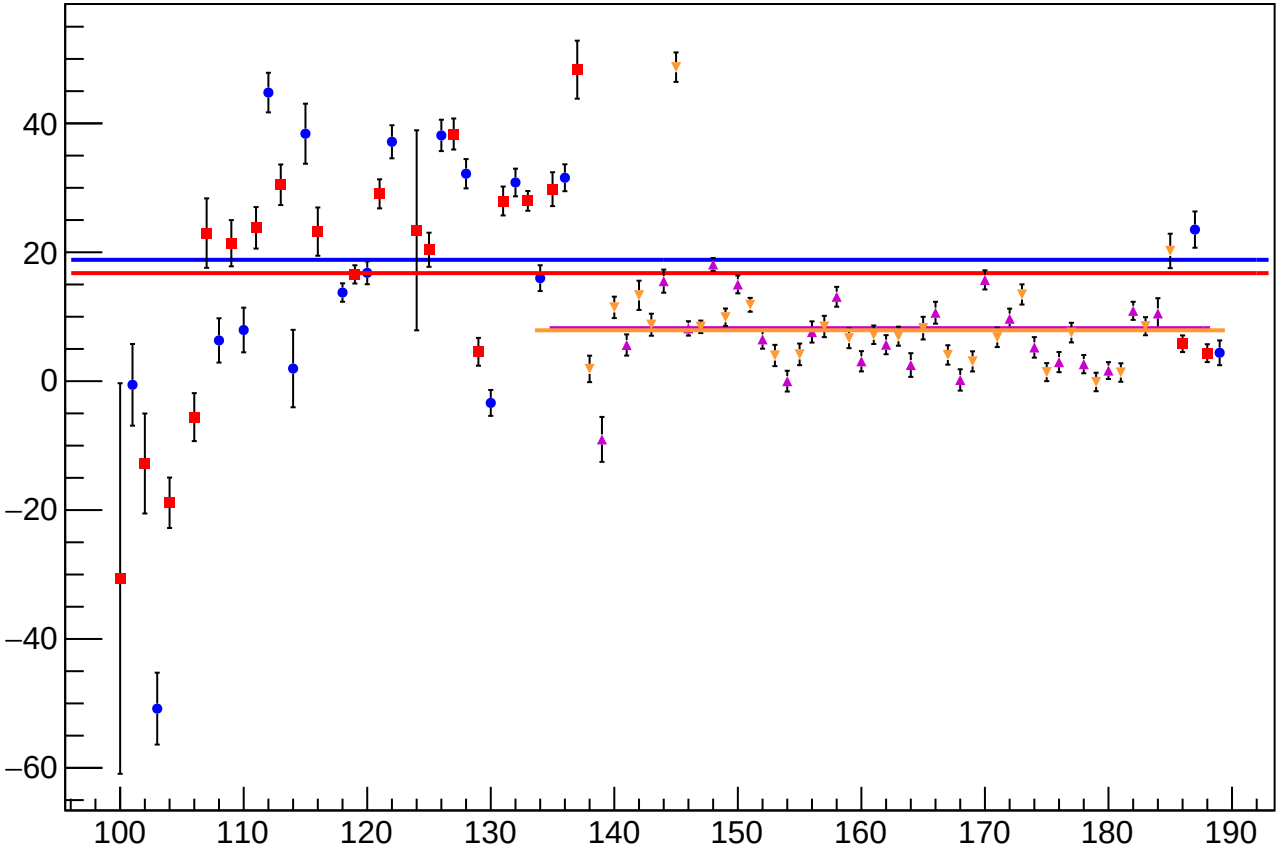
Left In: -32.015+/-0.409 χ^2/NDF:1913.4/22

+ sign -39.004+/-0.322 χ^2/NDF: 4686.8/42

All: -39.505+/-0.222 χ^2/NDF: 11339.2/86

- sign -39.961+/-0.307 χ^2/NDF: 6647.8/43

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 18.829+/-0.571 χ^2/NDF: 699.5/17

Left Out: 7.897+/-0.304 χ^2/NDF:490.5/24

Right Out: 16.764+/-0.520 χ^2/NDF: 613.9/20

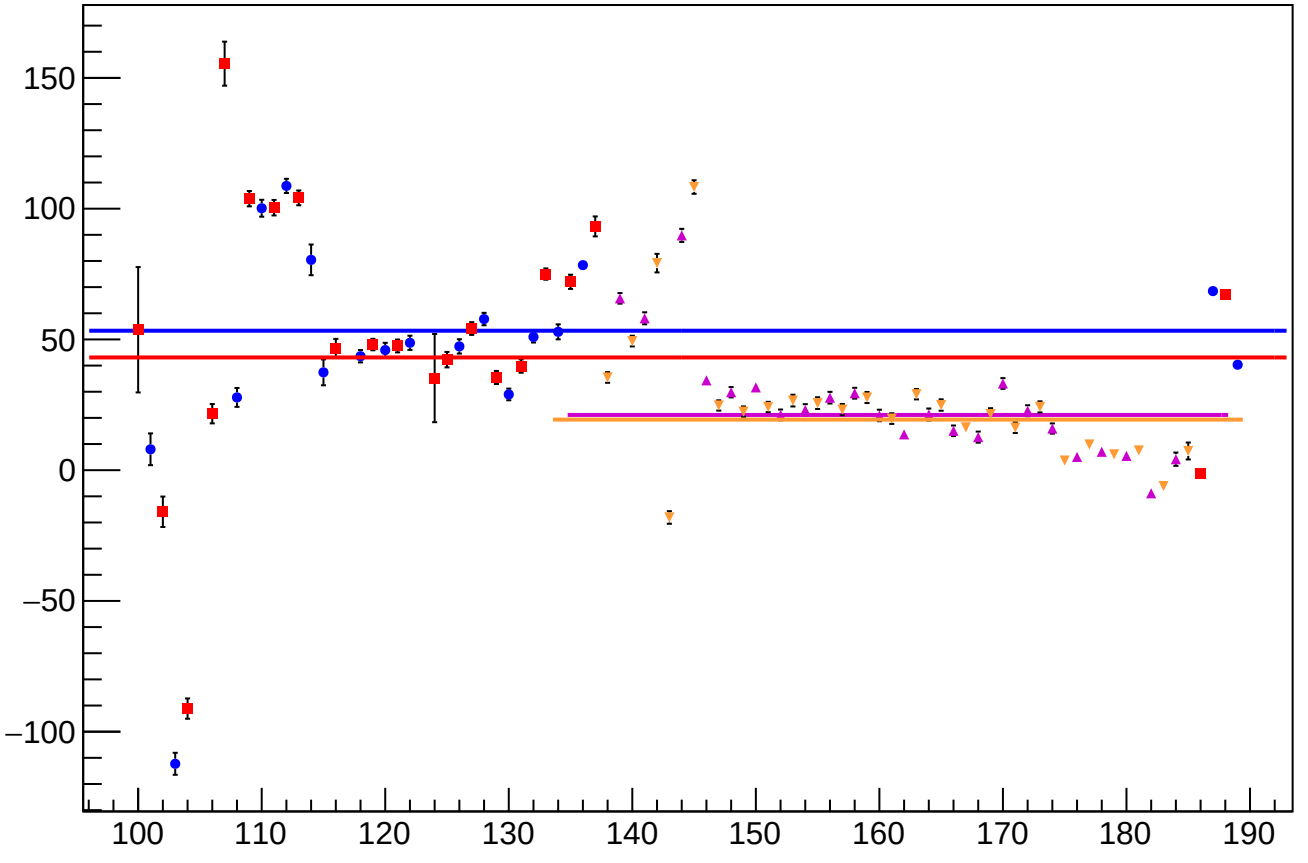
Left In: 8.223+/-0.316 χ^2/NDF:338.8/22

\+ sign 10.310+/-0.268 χ^2/NDF: 1475.7/42

All: 10.416+/-0.190 χ^2/NDF: 2626.1/86

\- sign 10.523+/-0.270 χ^2/NDF: 1150.1/43

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 53.328+/-0.575 χ^2/NDF: 2853.0/17

Left Out: 19.339+/-0.396 χ^2/NDF:2682.4/24

Right Out: 43.108+/-0.449 χ^2/NDF: 7007.2/20

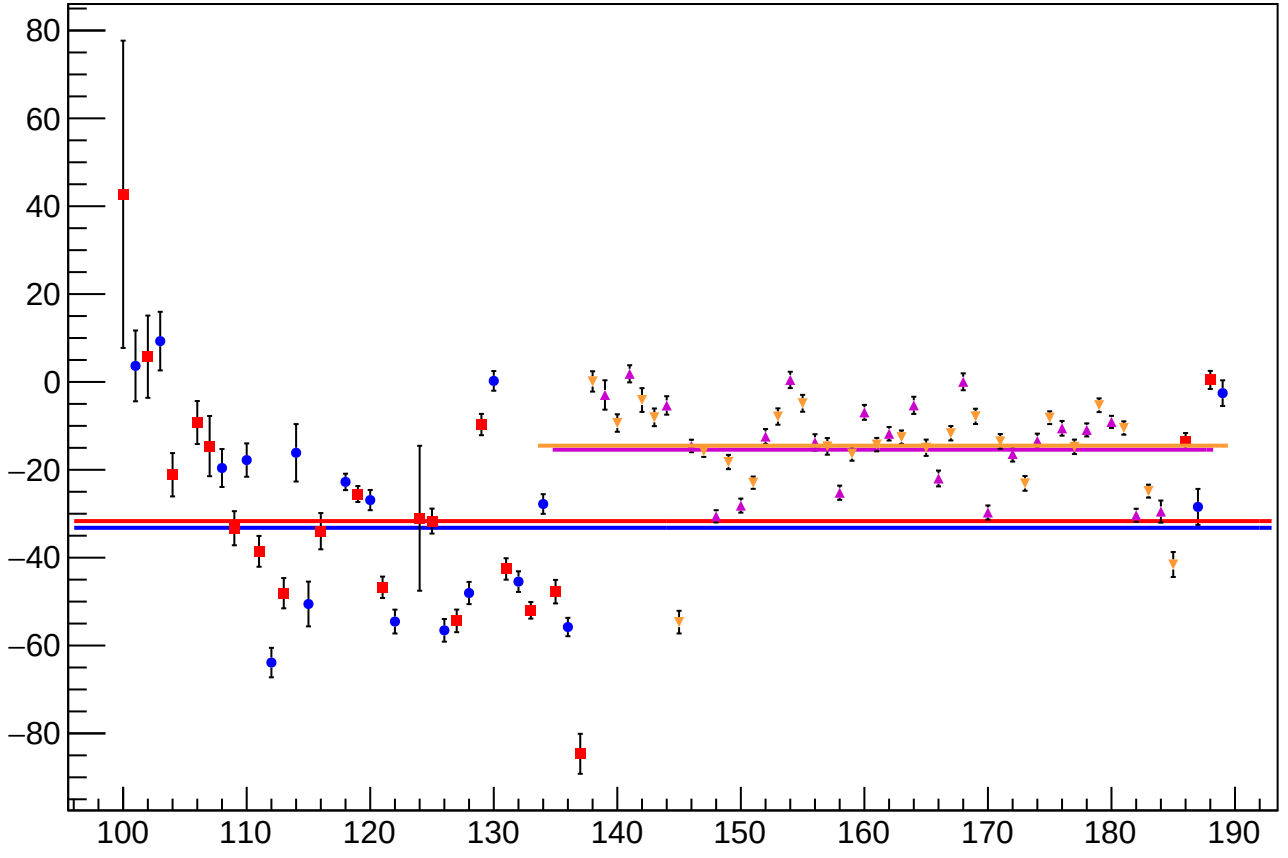
Left In: 21.124+/-0.405 χ^2/NDF:2504.8/22

+ sign 30.255+/-0.326 χ^2/NDF: 7906.6/42

All: 30.646+/-0.221 χ^2/NDF: 18743.5/86

- sign 30.978+/-0.301 χ^2/NDF: 10834.2/43

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -33.203+/-0.672 χ^2/NDF: 892.1/17

Left Out: -14.502+/-0.344 χ^2/NDF:641.0/24

Right Out: -31.675+/-0.635 χ^2/NDF: 931.0/20

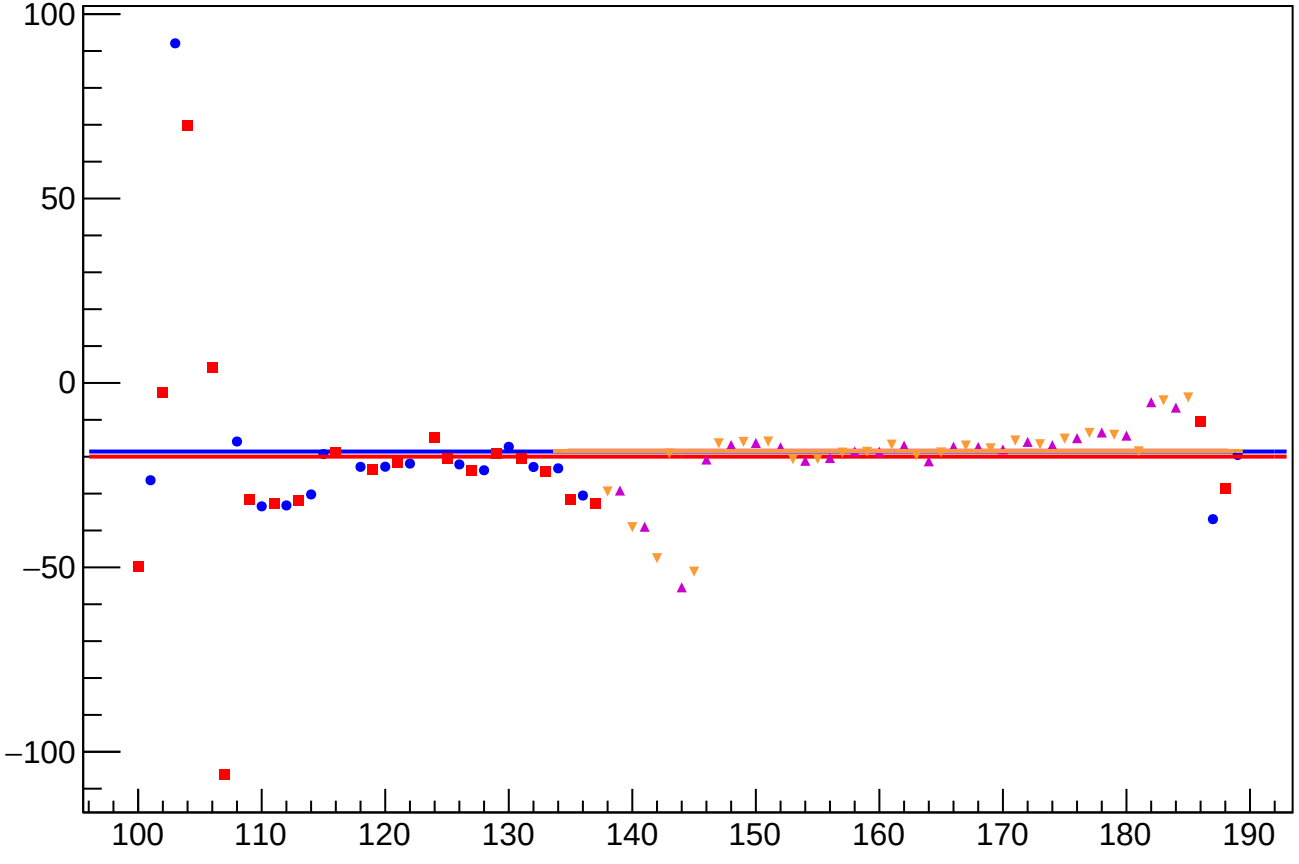
Left In: -15.417+/-0.355 χ^2/NDF:798.7/22

+ sign -18.388+/-0.306 χ^2/NDF: 2147.4/42

All: -18.833+/-0.218 χ^2/NDF: 4380.1/86

- sign -19.289+/-0.310 χ^2/NDF: 2228.4/43

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -18.595+/-0.040 χ^2/NDF: 433048.1/17

Left Out: -18.450+/-0.015 χ^2/NDF:295359.2/24

Right Out: -19.975+/-0.040 χ^2/NDF: 357088.6/20

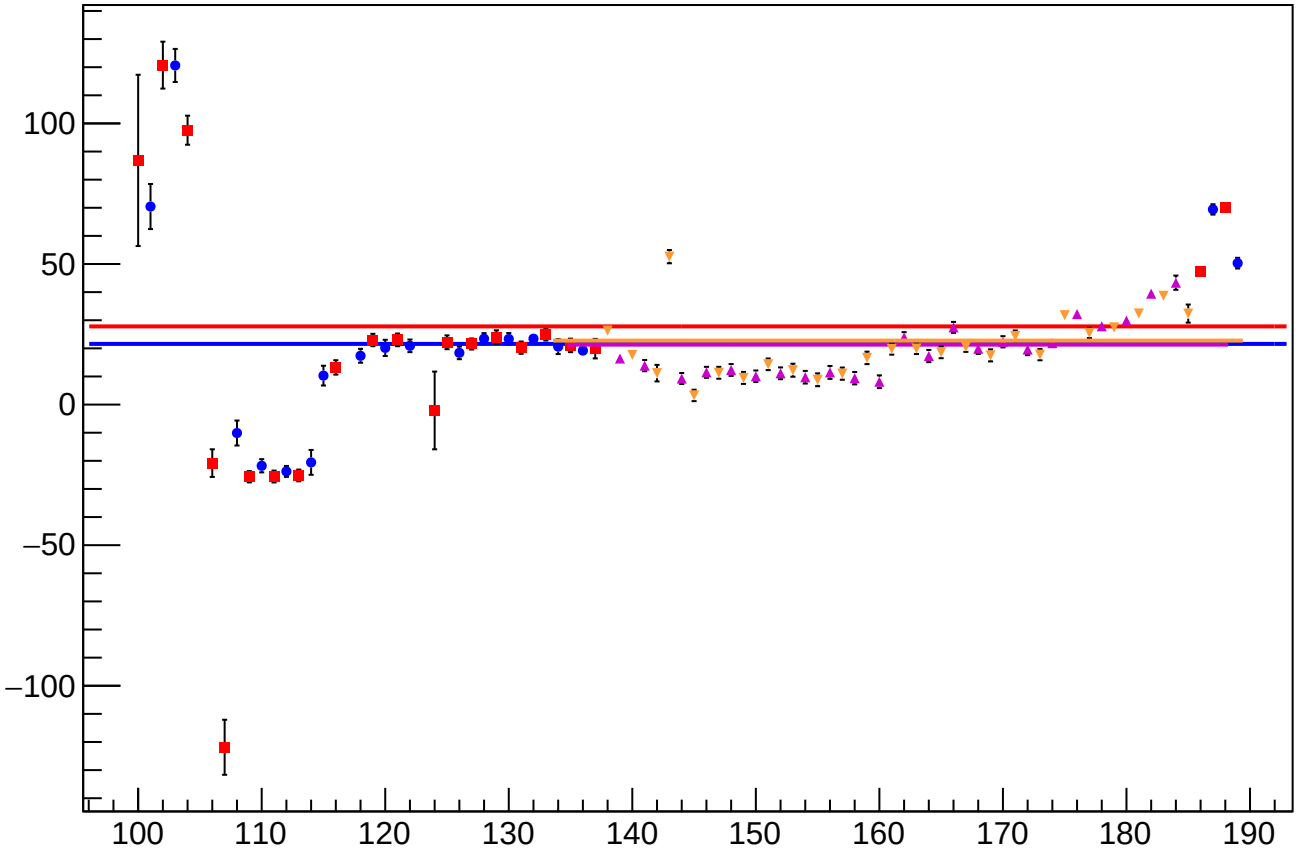
Left In: -18.378+/-0.016 χ^2/NDF:250040.9/22

+ sign -18.468+/-0.014 χ^2/NDF: 728418.7/42

All: -18.529+/-0.010 χ^2/NDF: 1336957.5/86

- sign -18.591+/-0.015 χ^2/NDF: 608503.1/43

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 21.587+/-0.557 χ^2/NDF: 2270.2/17

Left Out: 22.766+/-0.383 χ^2/NDF:722.8/24

Right Out: 27.812+/-0.493 χ^2/NDF: 4509.6/20

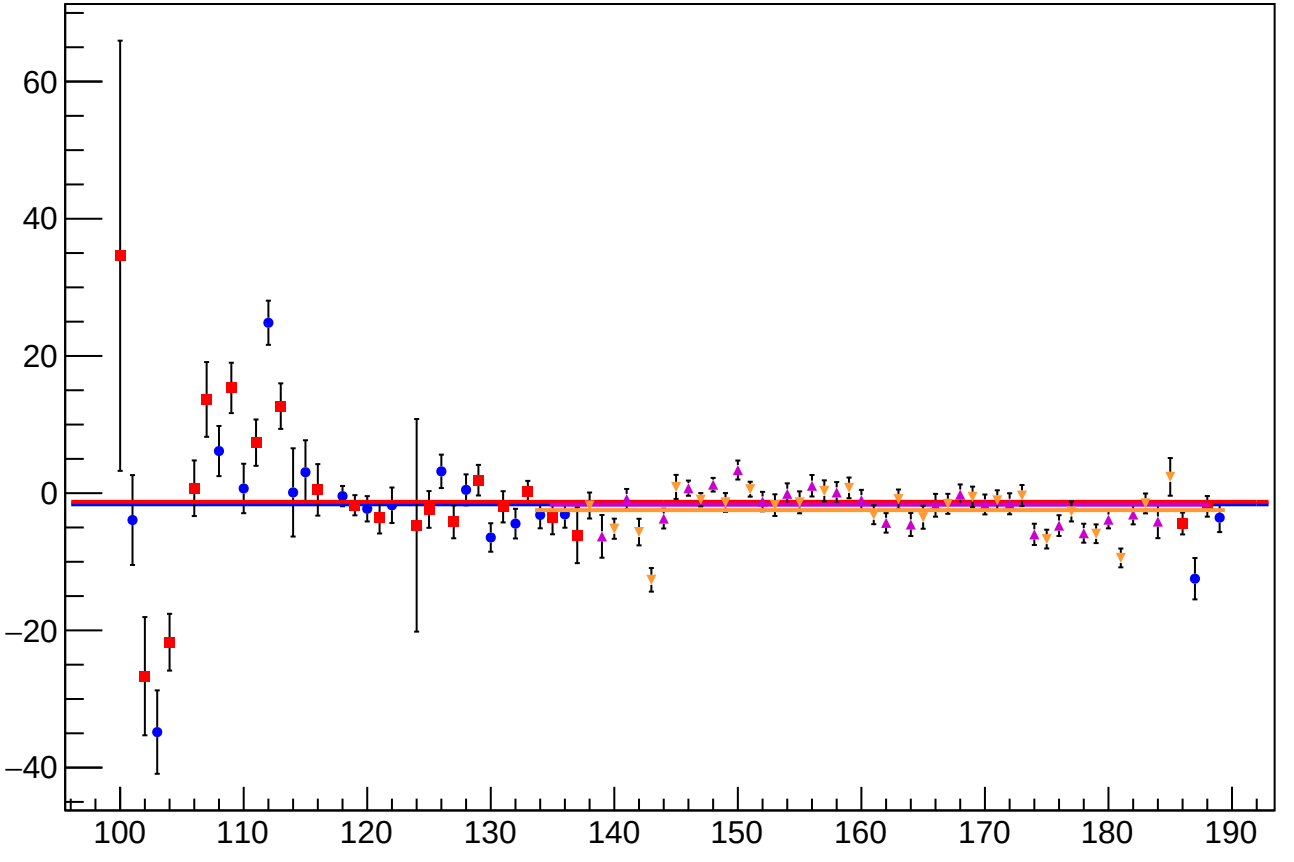
Left In: 21.325+/-0.393 χ^2/NDF:629.9/22

+ sign 22.389+/-0.315 χ^2/NDF: 2996.0/42

All: 23.136+/-0.220 χ^2/NDF: 8252.5/86

- sign 23.845+/-0.307 χ^2/NDF: 5245.5/43

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -1.619+/-0.583 χ^2/NDF: 131.2/17

Left Out: -2.468+/-0.293 χ^2/NDF:116.7/24

Right Out: -1.265+/-0.549 χ^2/NDF: 99.3/20

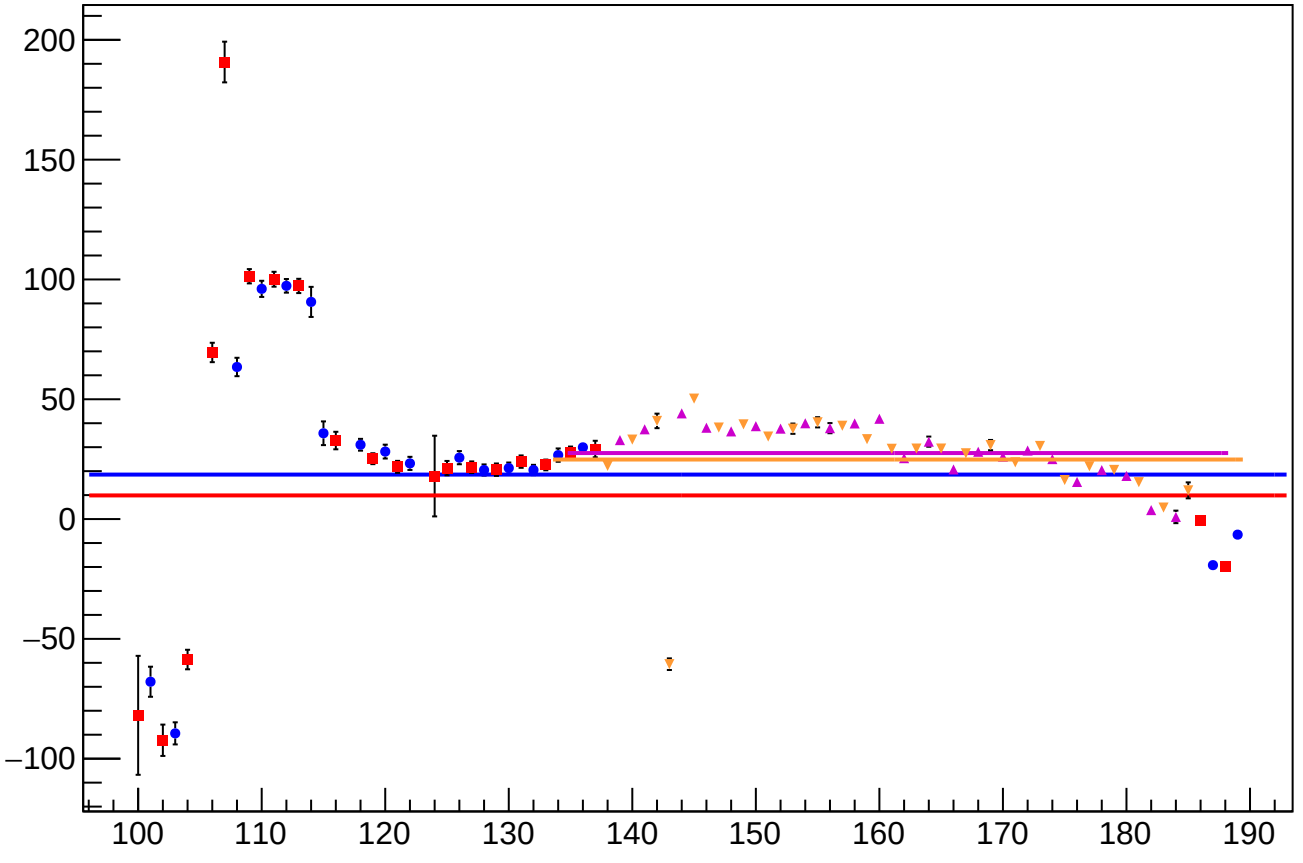
Left In: -1.659+/-0.304 χ^2/NDF:70.2/22

+ sign -2.297+/-0.262 χ^2/NDF: 249.6/42

All: -1.938+/-0.187 χ^2/NDF: 423.3/86

- sign -1.567+/-0.266 χ^2/NDF: 169.9/43

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 18.565+/-0.592 χ^2/NDF: 3279.1/17

Left Out: 24.850+/-0.380 χ^2/NDF:2048.7/24

Right Out: 9.868+/-0.486 χ^2/NDF: 5443.8/20

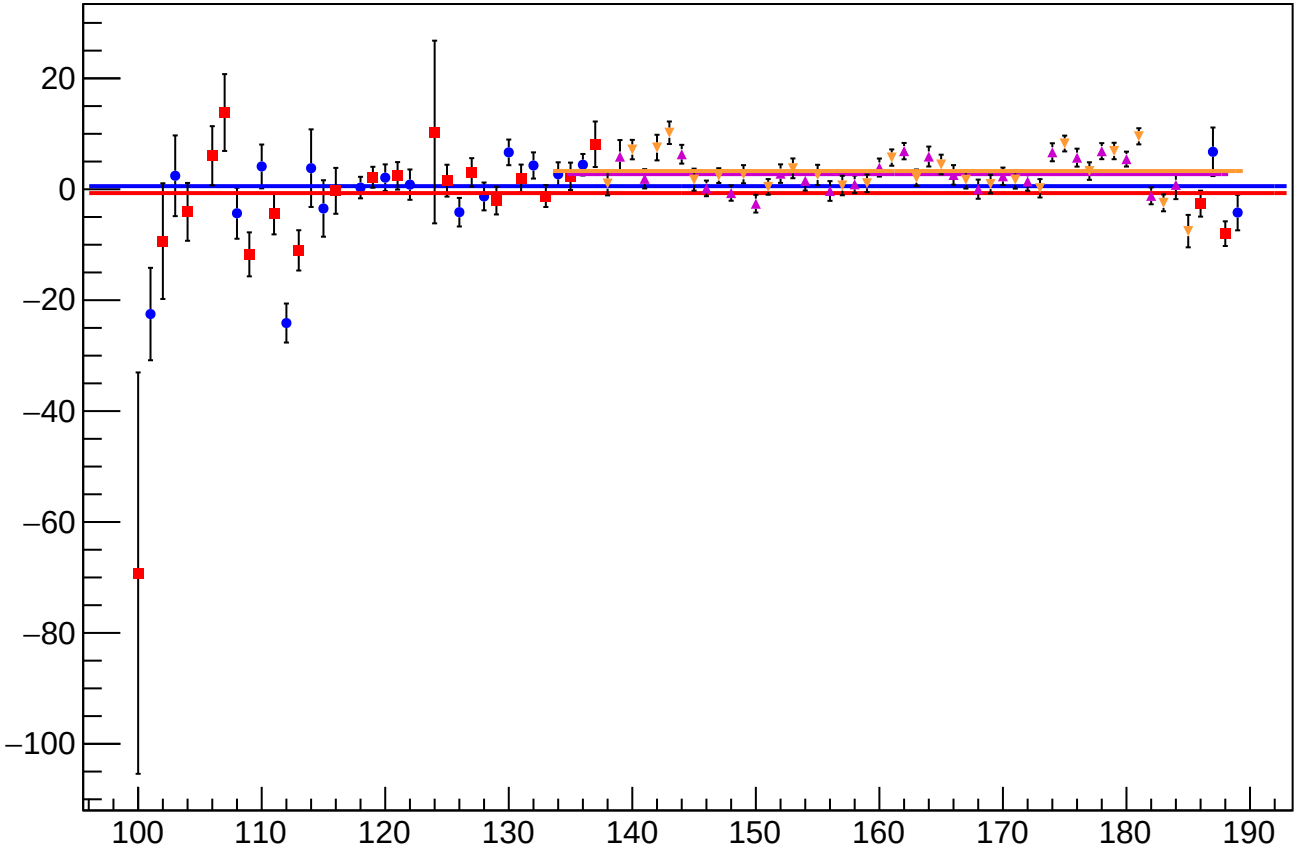
Left In: 27.551+/-0.389 χ^2/NDF:881.9/22

+ sign 23.017+/-0.320 χ^2/NDF: 5407.7/42

All: 21.777+/-0.220 χ^2/NDF: 12568.1/86

- sign 20.657+/-0.304 χ^2/NDF: 7131.8/43

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: 0.562+/-0.680 χ^2/NDF: 82.7/17

Left Out: 3.287+/-0.331 χ^2/NDF:106.3/24

Right Out: -0.689+/-0.662 χ^2/NDF: 53.7/20

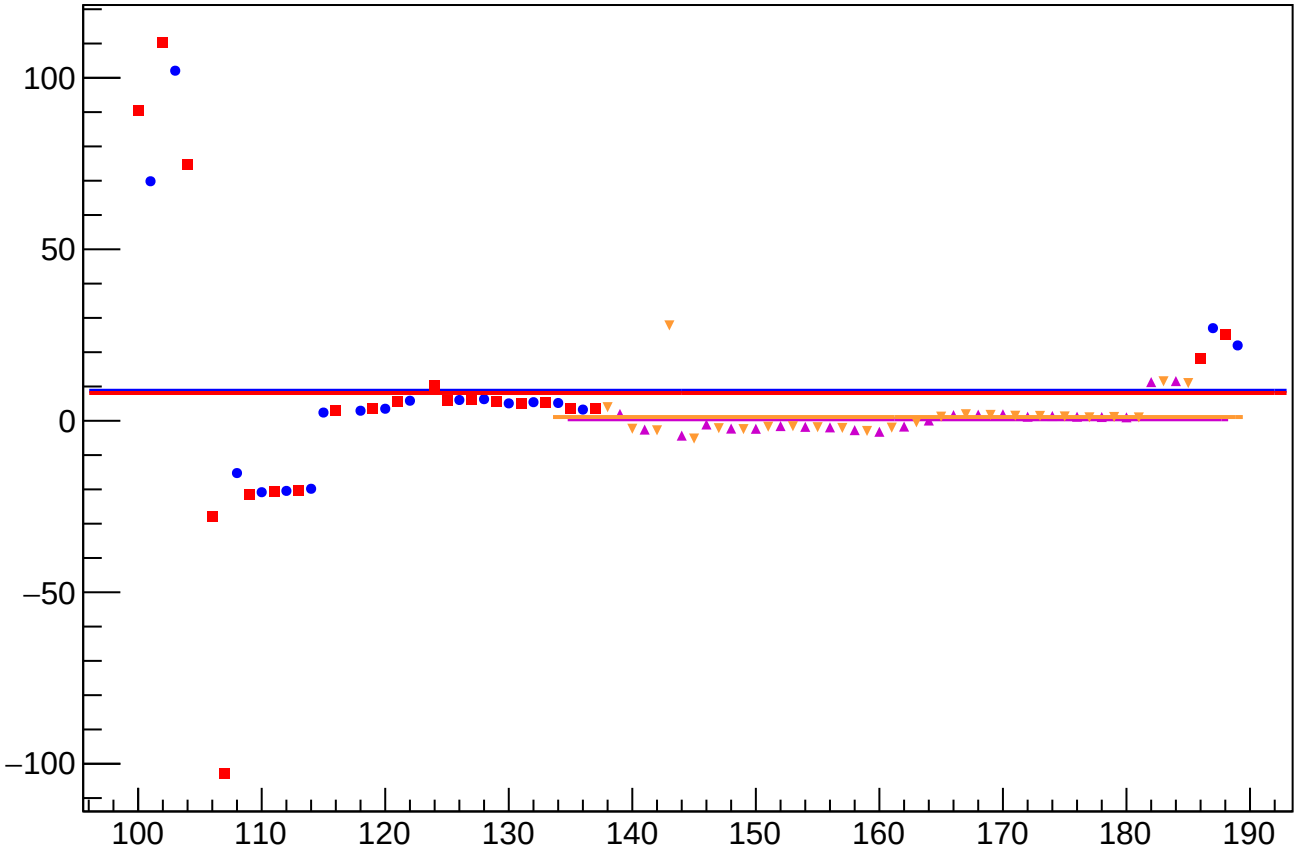
Left In: 2.730+/-0.342 χ^2/NDF:74.5/22

+ sign 2.764+/-0.298 χ^2/NDF: 201.9/42

All: 2.394+/-0.213 χ^2/NDF: 354.3/86

- sign 2.009+/-0.304 χ^2/NDF: 149.2/43

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 8.753+/-0.040 χ^2/NDF: 338346.3/17

Left Out: 1.094+/-0.015 χ^2/NDF:128801.7/24

Right Out: 8.110+/-0.041 χ^2/NDF: 470535.4/20

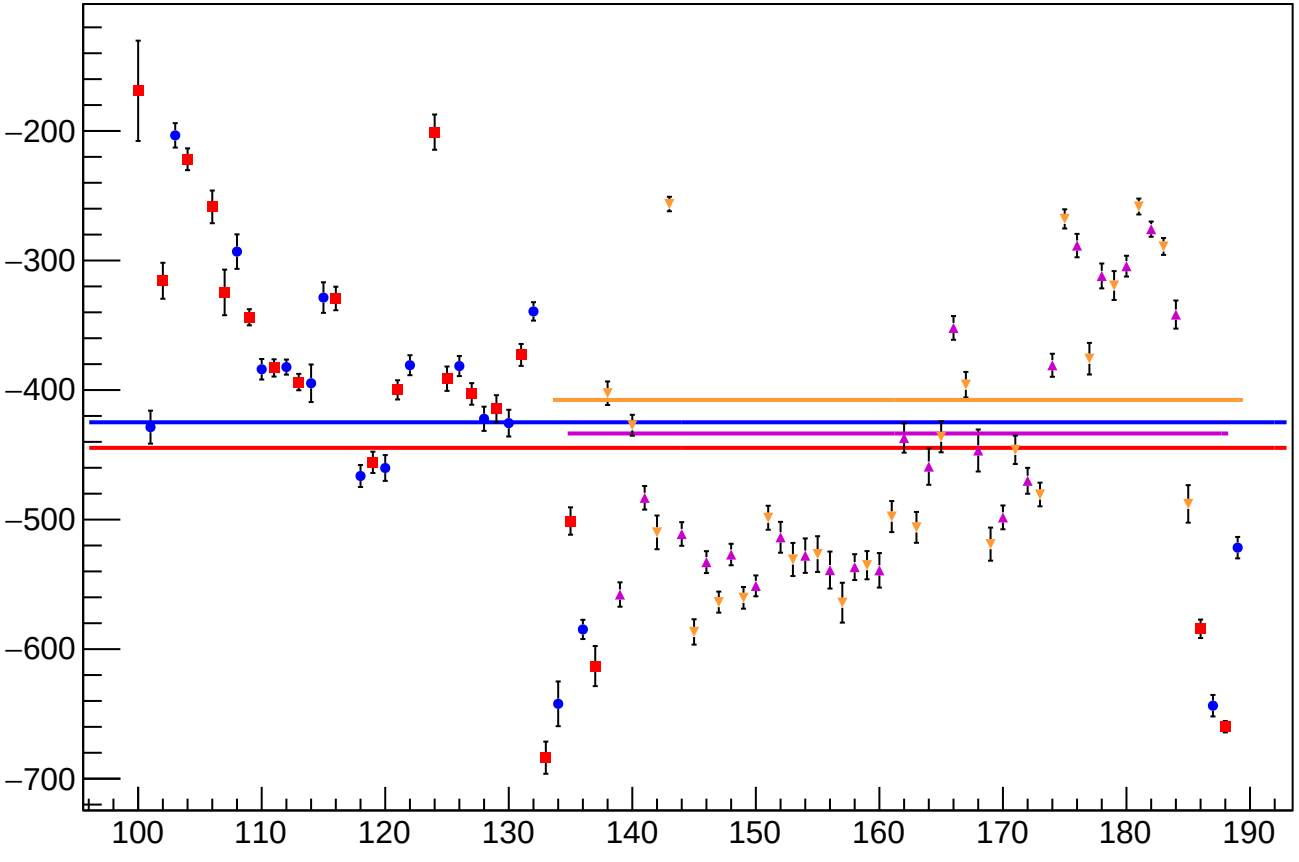
Left In: 0.443+/-0.015 χ^2/NDF:53446.3/22

+ sign 2.010+/-0.014 χ^2/NDF: 499011.0/42

All: 1.685+/-0.010 χ^2/NDF: 1054585.4/86

- sign 1.348+/-0.014 χ^2/NDF: 554462.3/43

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -424.887+/-2.089 χ^2/NDF: 2499.3/17

Left Out: -407.620+/-1.868 χ^2/NDF:4005.6/24

Right Out: -444.630+/-1.847 χ^2/NDF: 5470.9/20

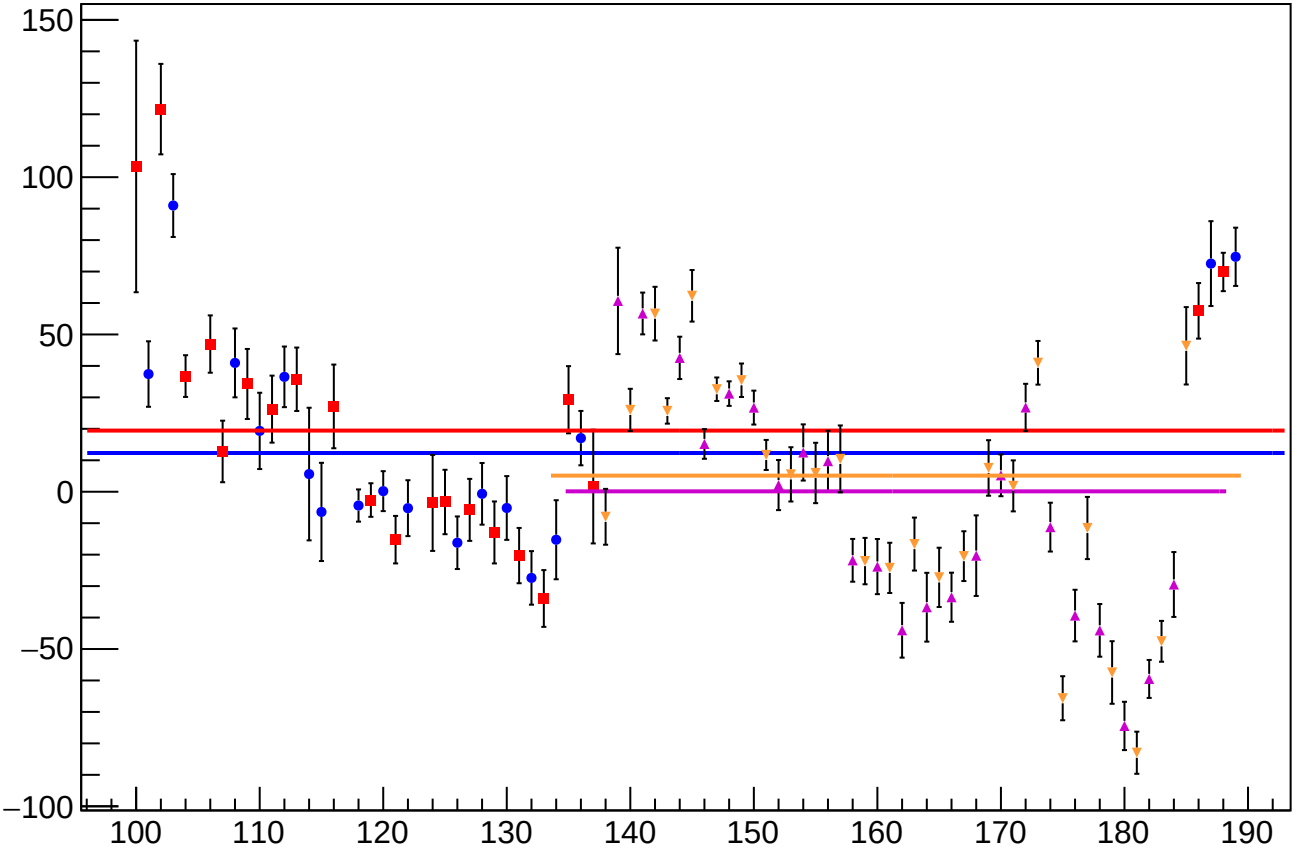
Left In: -433.529+/-1.993 χ^2/NDF:2724.5/22

+ sign -415.291+/-1.392 χ^2/NDF: 6542.9/42

All: -427.727+/-0.971 χ^2/NDF: 14910.2/86

- sign -439.500+/-1.355 χ^2/NDF: 8212.1/43

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 12.314+/-2.171 χ^2/NDF: 209.5/17

Left Out: 5.125+/-1.379 χ^2/NDF:689.2/24

Right Out: 19.442+/-2.013 χ^2/NDF: 283.4/20

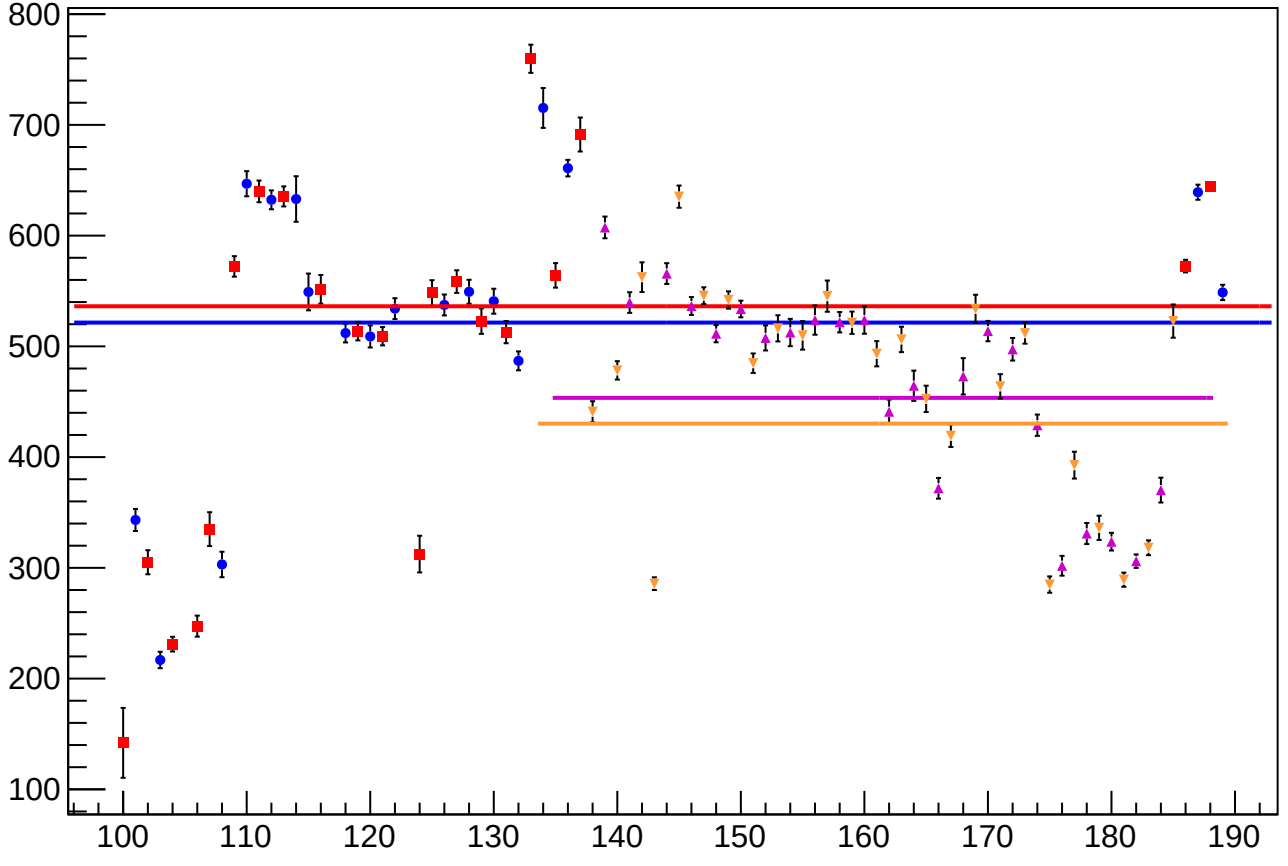
Left In: 0.124+/-1.489 χ^2/NDF:568.6/22

+ sign 7.191+/-1.164 χ^2/NDF: 906.5/42

All: 7.079+/-0.834 χ^2/NDF: 1817.9/86

- sign 6.960+/-1.197 χ^2/NDF: 911.5/43

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 521.476+/-2.218 χ^2/NDF: 3508.3/17

Left Out: 430.238+/-1.861 χ^2/NDF:3405.1/24

Right Out: 536.204+/-1.874 χ^2/NDF: 5677.3/20

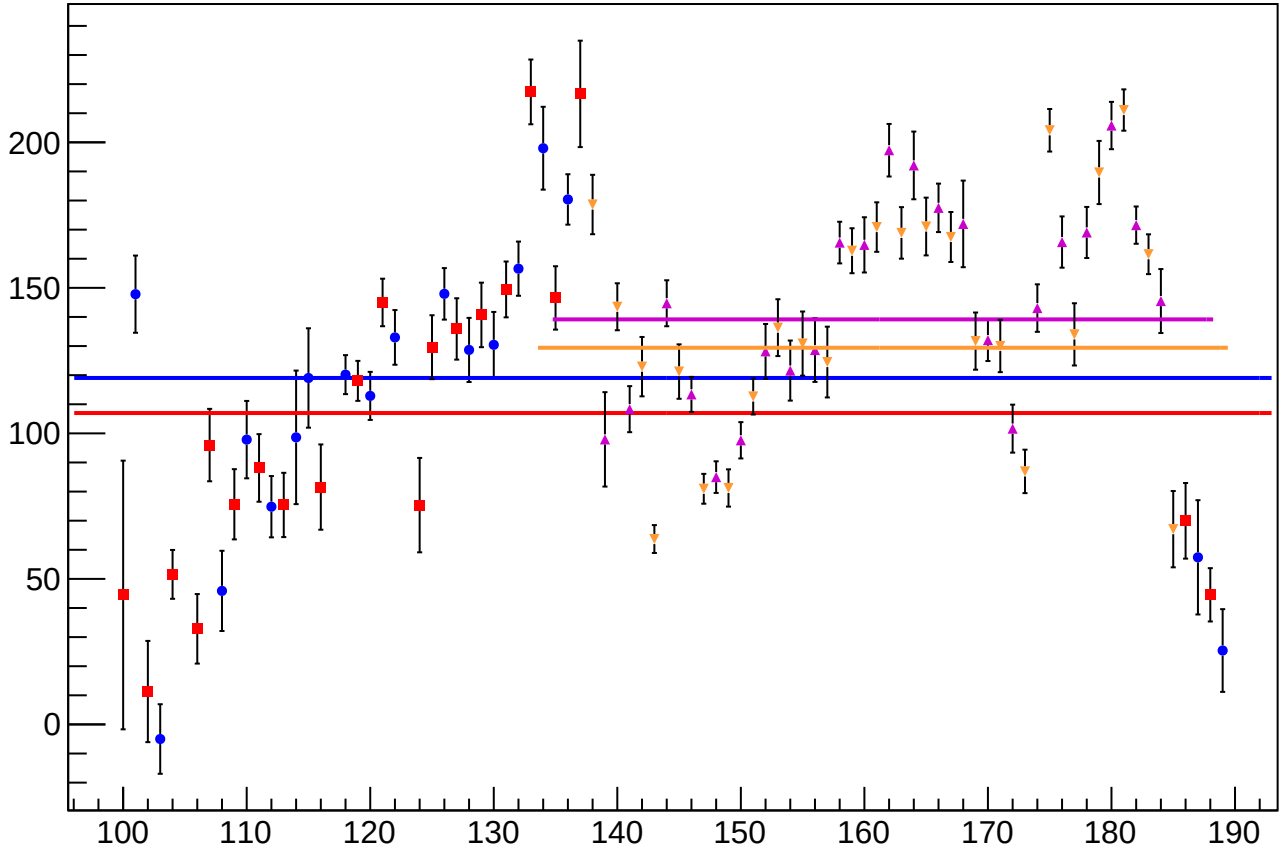
Left In: 453.496+/-1.974 χ^2/NDF:2419.7/22

+ sign 467.941+/-1.426 χ^2/NDF: 7906.5/42

All: 483.166+/-0.984 χ^2/NDF: 17144.7/86

- sign 497.000+/-1.359 χ^2/NDF: 9020.5/43

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 119.041+/-2.561 χ^2/NDF: 327.3/17

Left Out: 129.418+/-1.593 χ^2/NDF:814.3/24

Right Out: 106.992+/-2.409 χ^2/NDF: 406.4/20

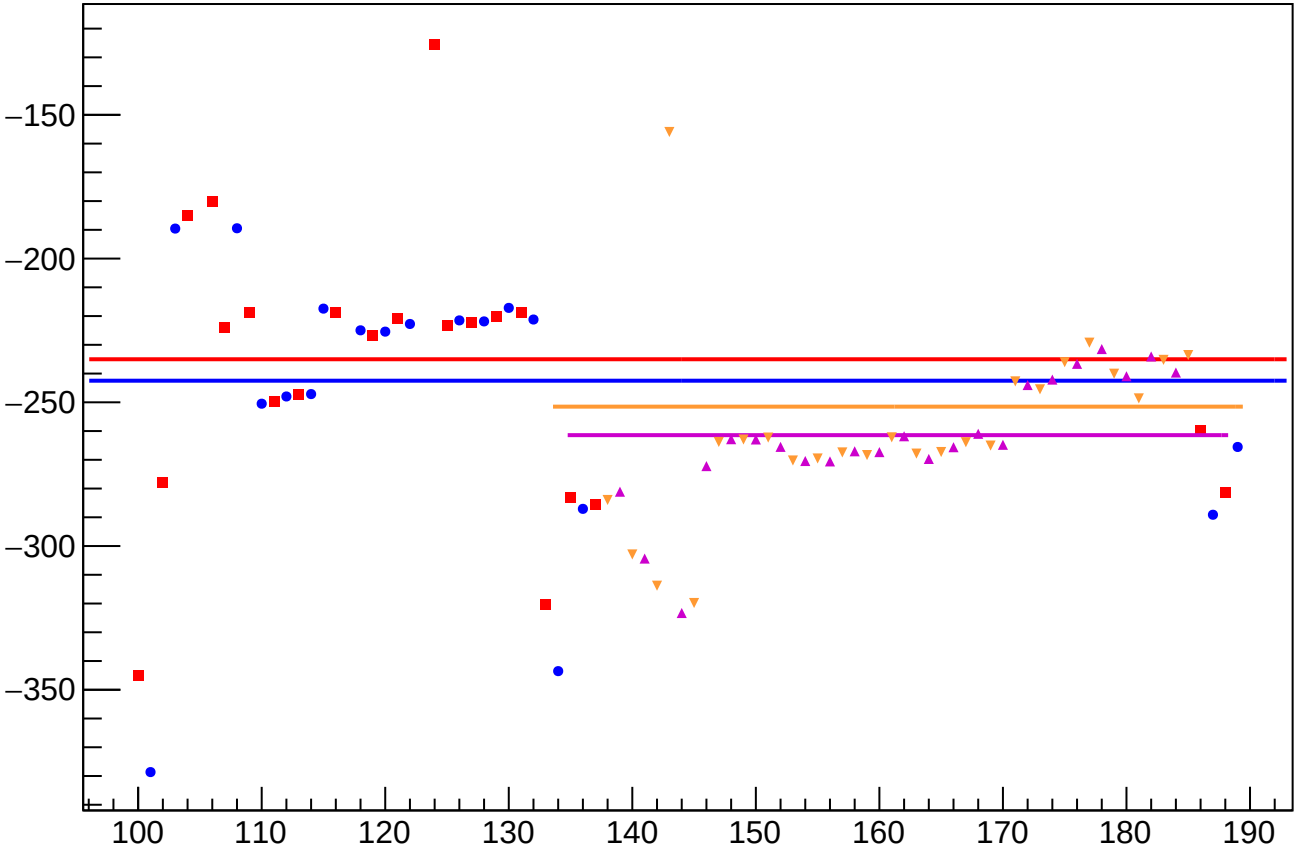
Left In: 139.163+/-1.705 χ^2/NDF:434.2/22

+ sign 126.524+/-1.352 χ^2/NDF: 1153.4/42

All: 127.450+/-0.970 χ^2/NDF: 2113.8/86

- sign 128.430+/-1.392 χ^2/NDF: 959.4/43

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -242.484+/-0.146 χ^2/NDF: 137365.5/17

Left Out: -251.508+/-0.075 χ^2/NDF:254924.4/24

Right Out: -235.024+/-0.139 χ^2/NDF: 94296.1/20

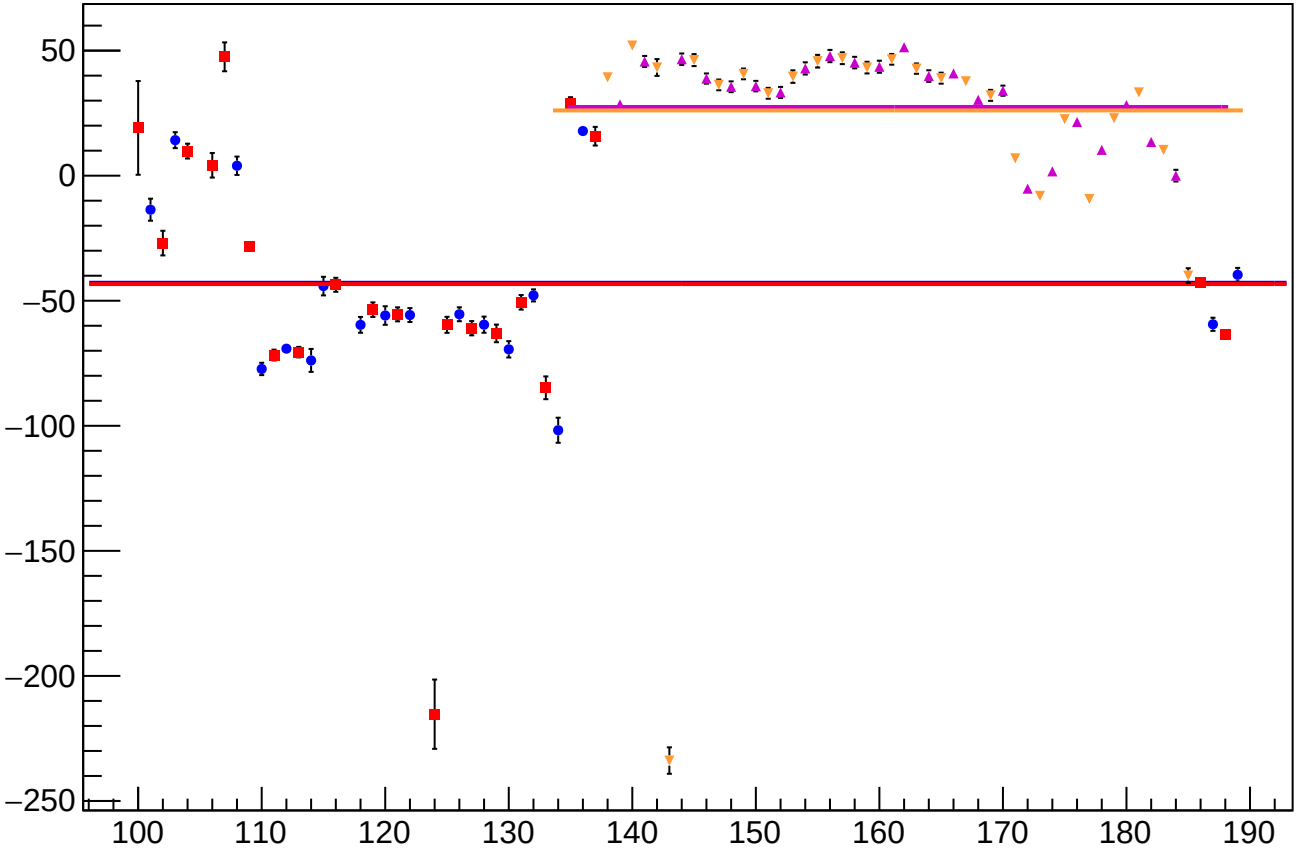
Left In: -261.425+/-0.078 χ^2/NDF:69557.7/22

+ sign -249.632+/-0.066 χ^2/NDF: 395333.7/42

All: -252.302+/-0.047 χ^2/NDF: 590047.0/86

- sign -255.097+/-0.068 χ^2/NDF: 191400.5/43

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -42.822+/-0.676 χ^2/NDF: 2448.6/17

Left Out: 26.087+/-0.390 χ^2/NDF:4785.1/24

Right Out: -43.335+/-0.580 χ^2/NDF: 2693.8/20

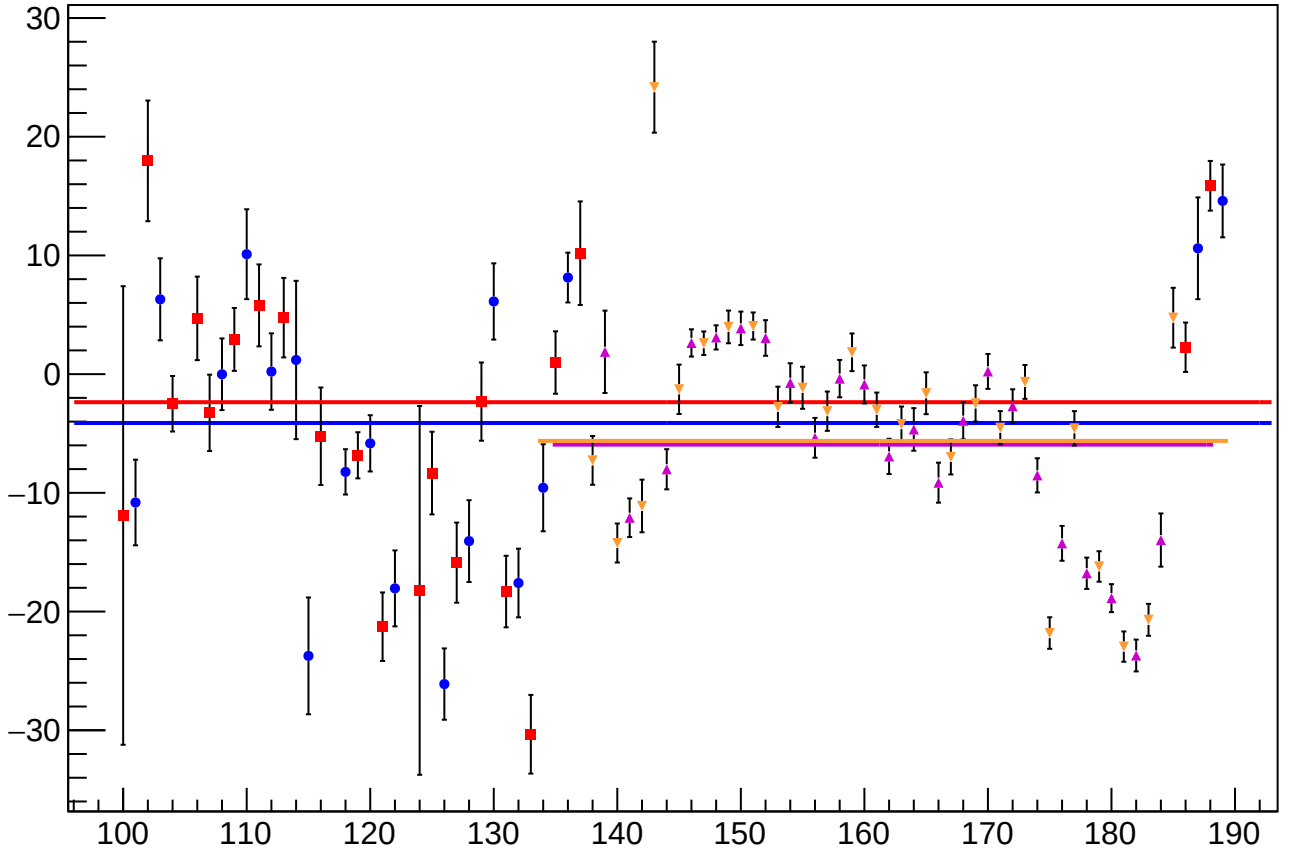
Left In: 27.466+/-0.396 χ^2/NDF:1608.9/22

+ sign 8.900+/-0.338 χ^2/NDF: 15032.8/42

All: 6.879+/-0.235 χ^2/NDF: 29566.3/86

- sign 4.984+/-0.327 χ^2/NDF: 14464.1/43

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -4.115+/-0.721 χ^2/NDF: 250.1/17

Left Out: -5.625+/-0.302 χ^2/NDF:893.3/24

Right Out: -2.363+/-0.661 χ^2/NDF: 293.1/20

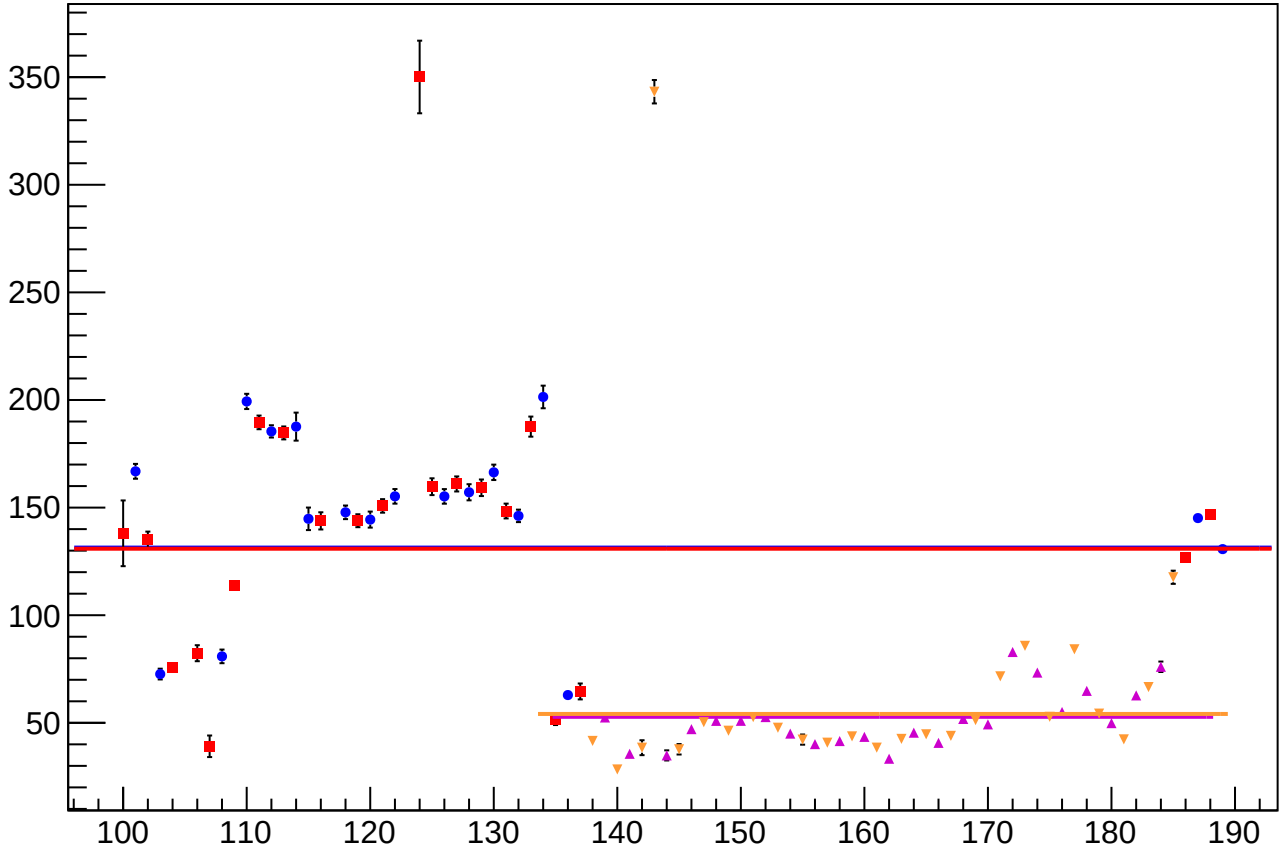
Left In: -5.940+/-0.309 χ^2/NDF:712.2/22

+ sign -5.400+/-0.278 χ^2/NDF: 1147.2/42

All: -5.350+/-0.197 χ^2/NDF: 2176.6/86

- sign -5.299+/-0.280 χ^2/NDF: 1029.4/43

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 131.420+/-0.715 χ^2/NDF: 3669.8/17

Left Out: 54.123+/-0.387 χ^2/NDF:4591.8/24

Right Out: 130.903+/-0.592 χ^2/NDF: 3736.0/20

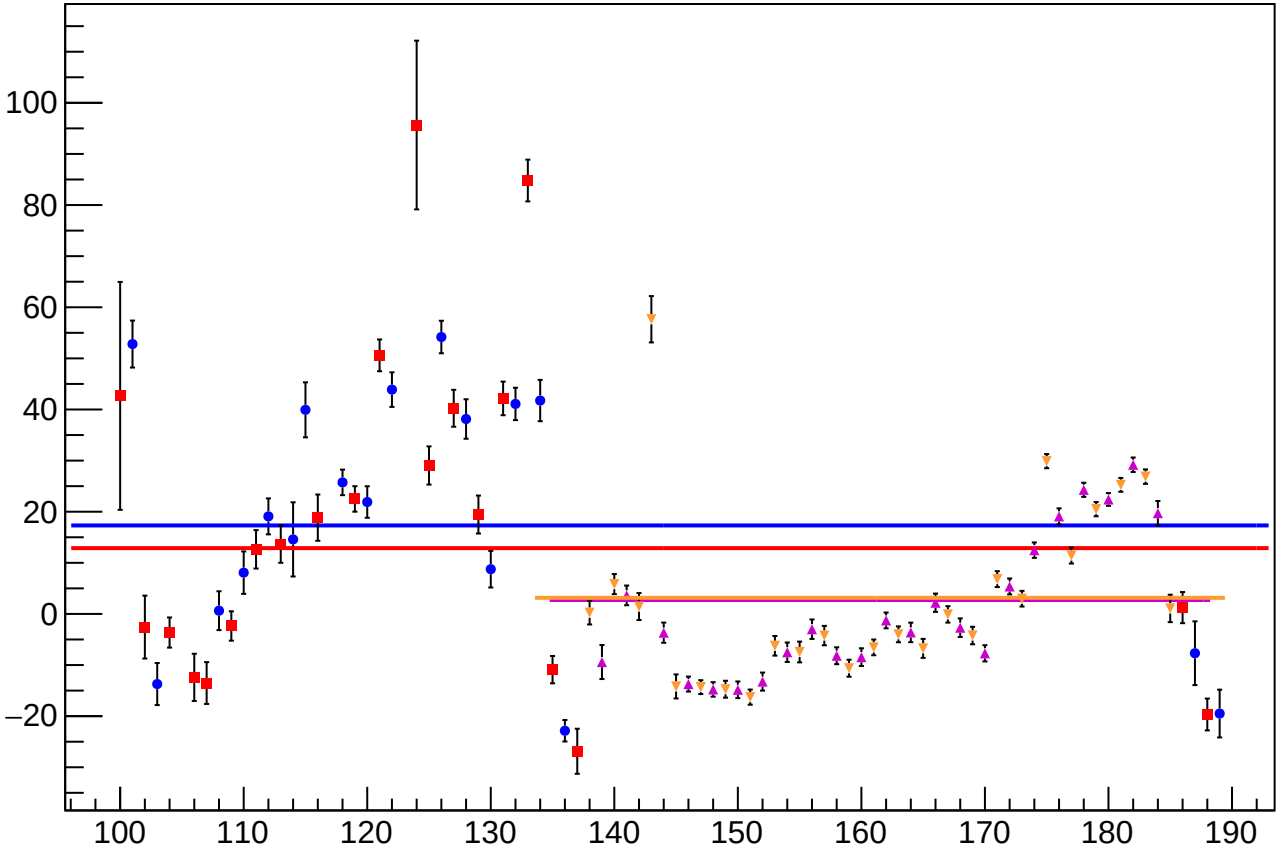
Left In: 52.797+/-0.393 χ^2/NDF:978.1/22

+ sign 71.661+/-0.341 χ^2/NDF: 17300.1/42

All: 74.246+/-0.236 χ^2/NDF: 34203.9/86

- sign 76.633+/-0.327 χ^2/NDF: 16793.0/43

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 17.314+/-0.838 χ^2/NDF: 940.1/17

Left Out: 3.155+/-0.340 χ^2/NDF:2012.4/24

Right Out: 12.876+/-0.789 χ^2/NDF: 1080.1/20

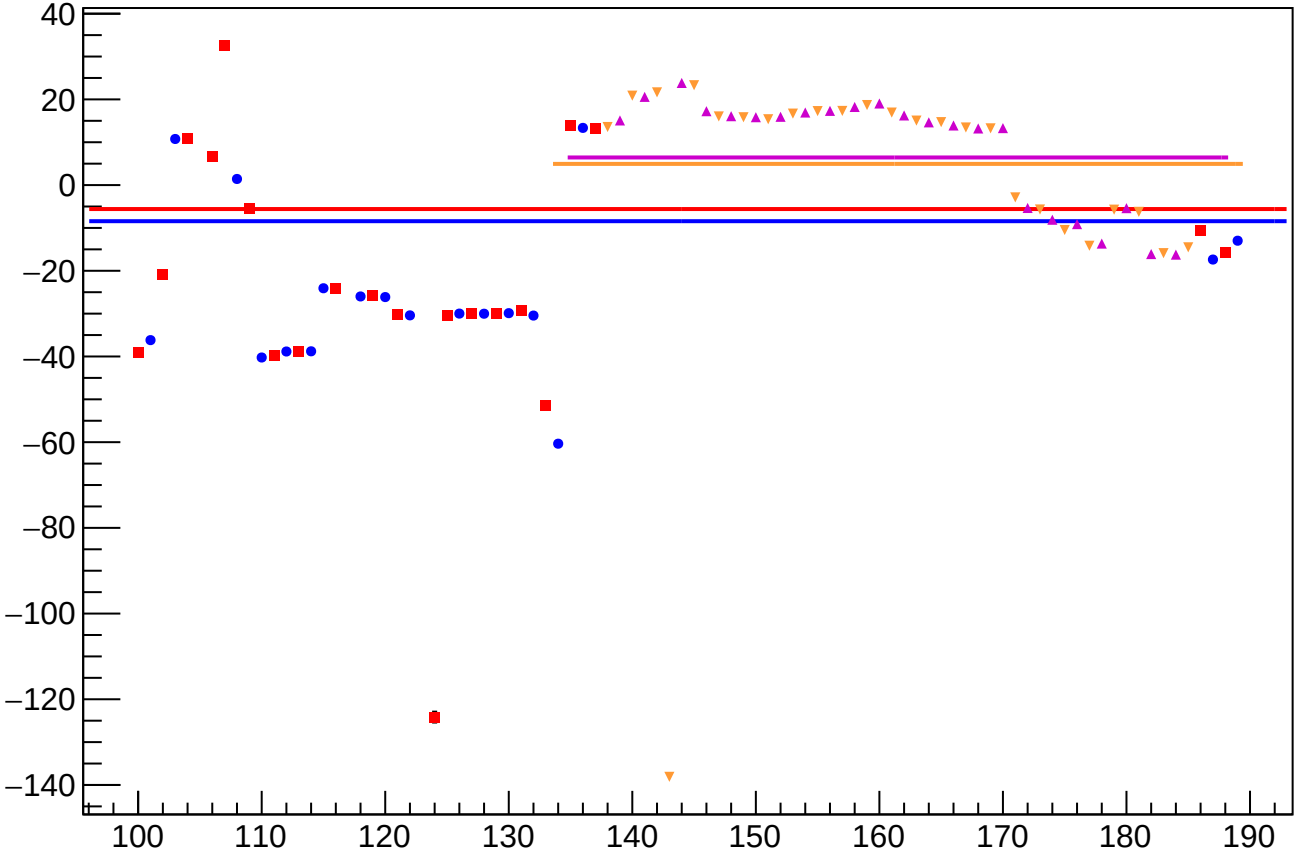
Left In: 2.722+/-0.347 χ^2/NDF:1735.2/22

\+ sign 5.155+/-0.315 χ^2/NDF: 3197.7/42

All: 4.764+/-0.224 χ^2/NDF: 6155.1/86

\- sign 4.367+/-0.317 χ^2/NDF: 2954.3/43

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -8.427+/-0.044 χ^2/NDF: 269129.5/17

Left Out: 4.946+/-0.015 χ^2/NDF:1136506.7/24

Right Out: -5.591+/-0.044 χ^2/NDF: 233648.1/20

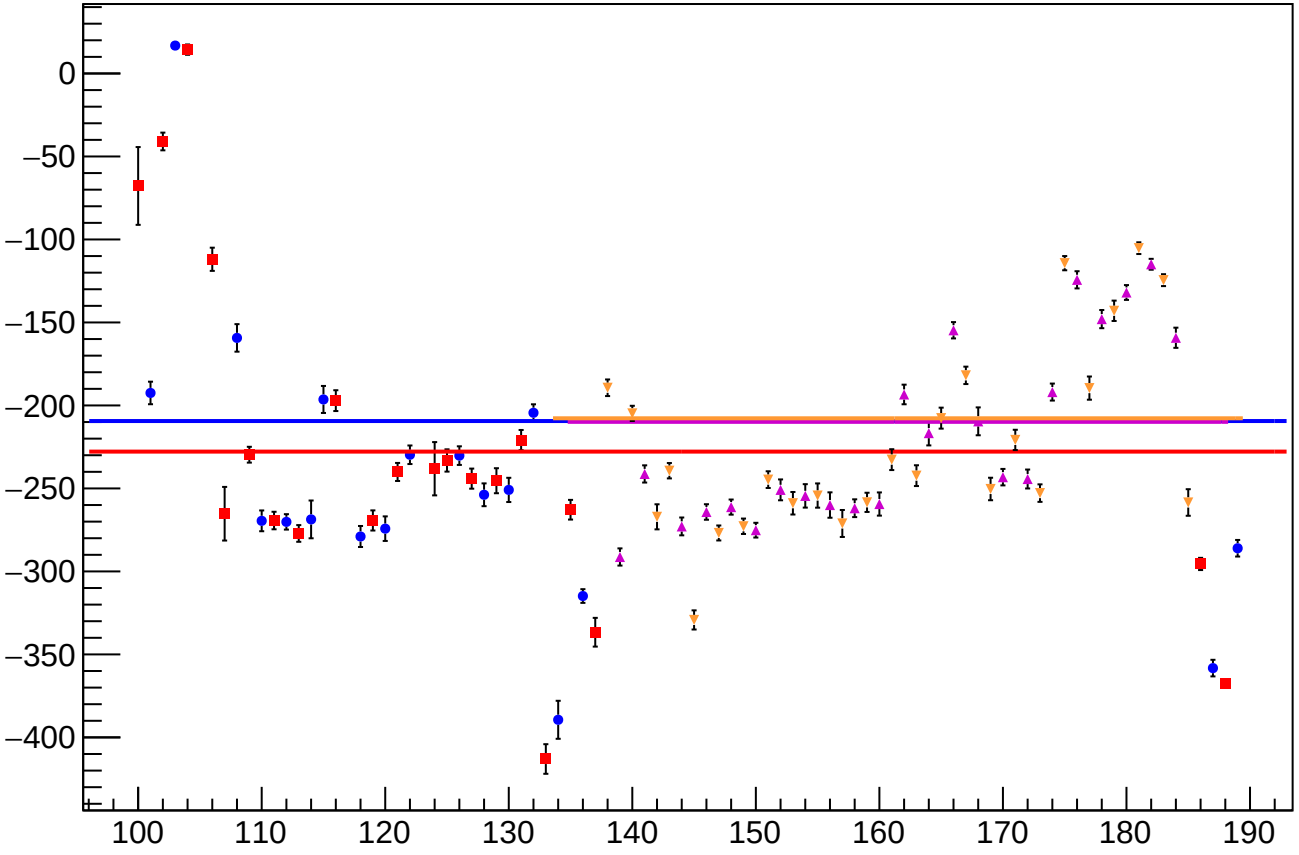
Left In: 6.444+/-0.015 χ^2/NDF:729692.1/22

+ sign 3.536+/-0.014 χ^2/NDF: 1487017.3/42

All: 4.331+/-0.010 χ^2/NDF: 2523458.7/86

- sign 5.135+/-0.014 χ^2/NDF: 1030308.7/43

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -209.399+/-1.316 χ^2/NDF: 8511.6/17

Left Out: -207.745+/-1.070 χ^2/NDF:3487.2/24

Right Out: -227.814+/-1.166 χ^2/NDF: 11577.5/20

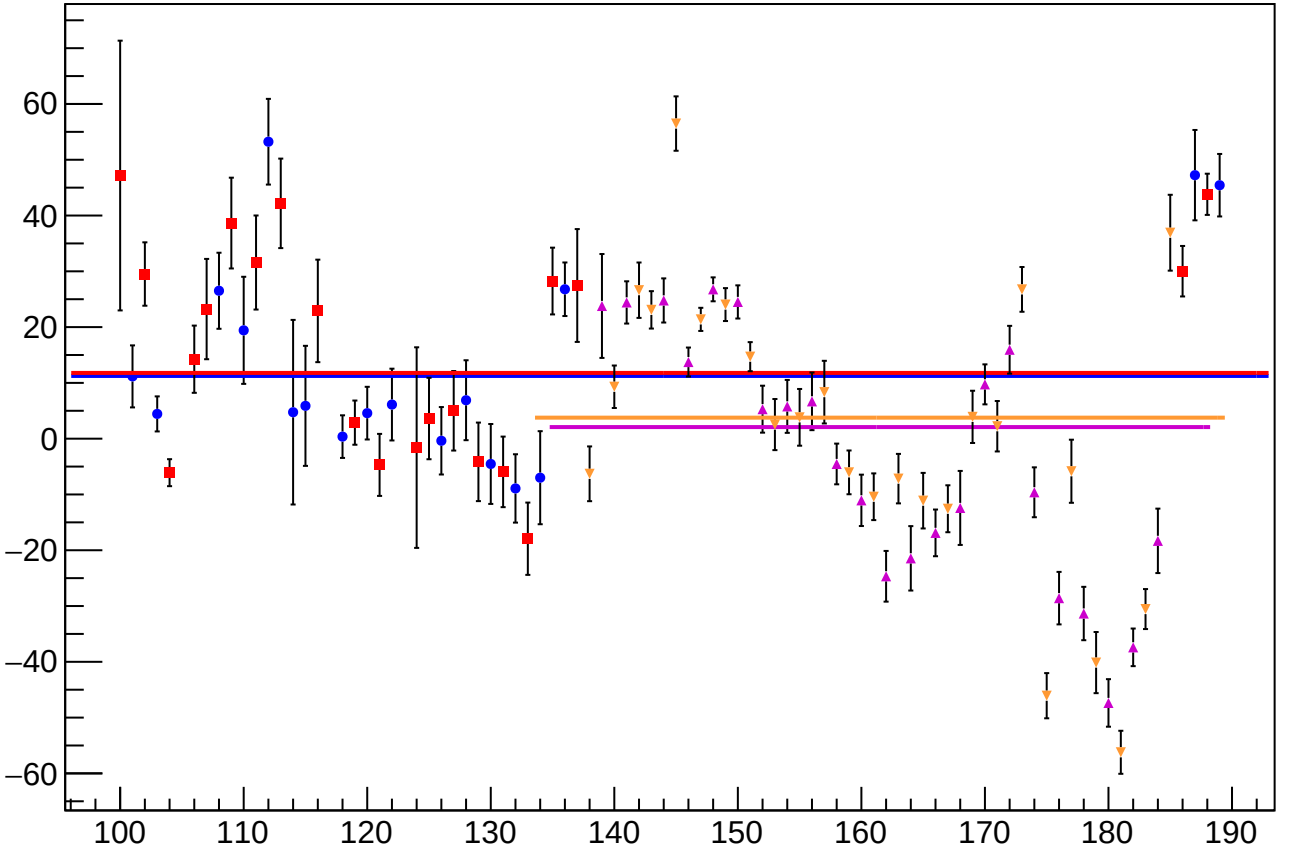
Left In: -209.875+/-1.101 χ^2/NDF:3011.9/22

+ sign -208.402+/-0.830 χ^2/NDF: 11999.7/42

All: -213.550+/-0.576 χ^2/NDF: 26788.4/86

- sign -218.335+/-0.800 χ^2/NDF: 14714.5/43

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 11.246+/-1.373 χ^2/NDF: 143.5/17

Left Out: 3.770+/-0.787 χ^2/NDF:972.1/24

Right Out: 11.787+/-1.225 χ^2/NDF: 252.5/20

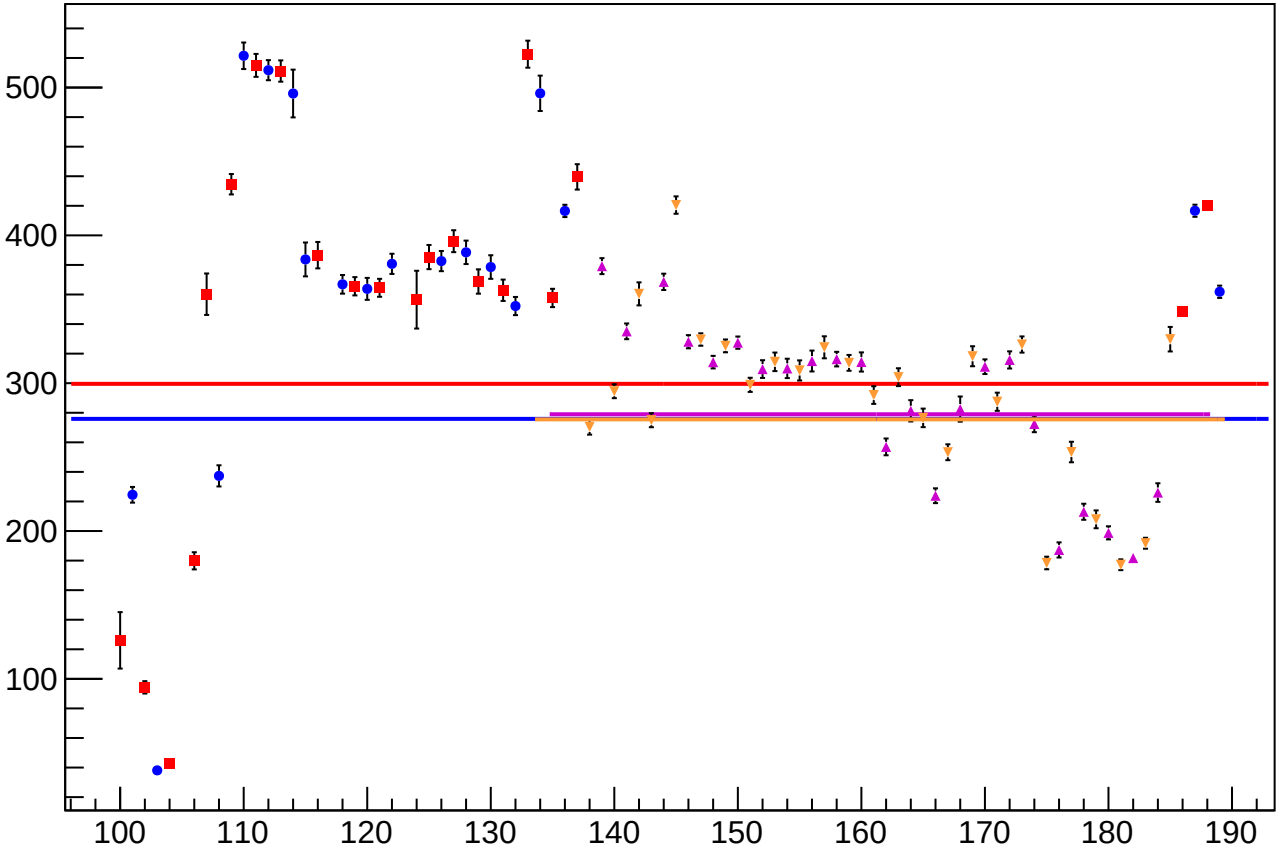
Left In: 2.079+/-0.820 χ^2/NDF:770.2/22

+ sign 5.620+/-0.683 χ^2/NDF: 1137.9/42

All: 5.351+/-0.482 χ^2/NDF: 2204.3/86

- sign 5.083+/-0.681 χ^2/NDF: 1066.1/43

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 275.868+/-1.278 χ^2/NDF: 17265.3/17

Left Out: 275.536+/-1.062 χ^2/NDF:3323.1/24

Right Out: 299.567+/-1.093 χ^2/NDF: 21049.6/20

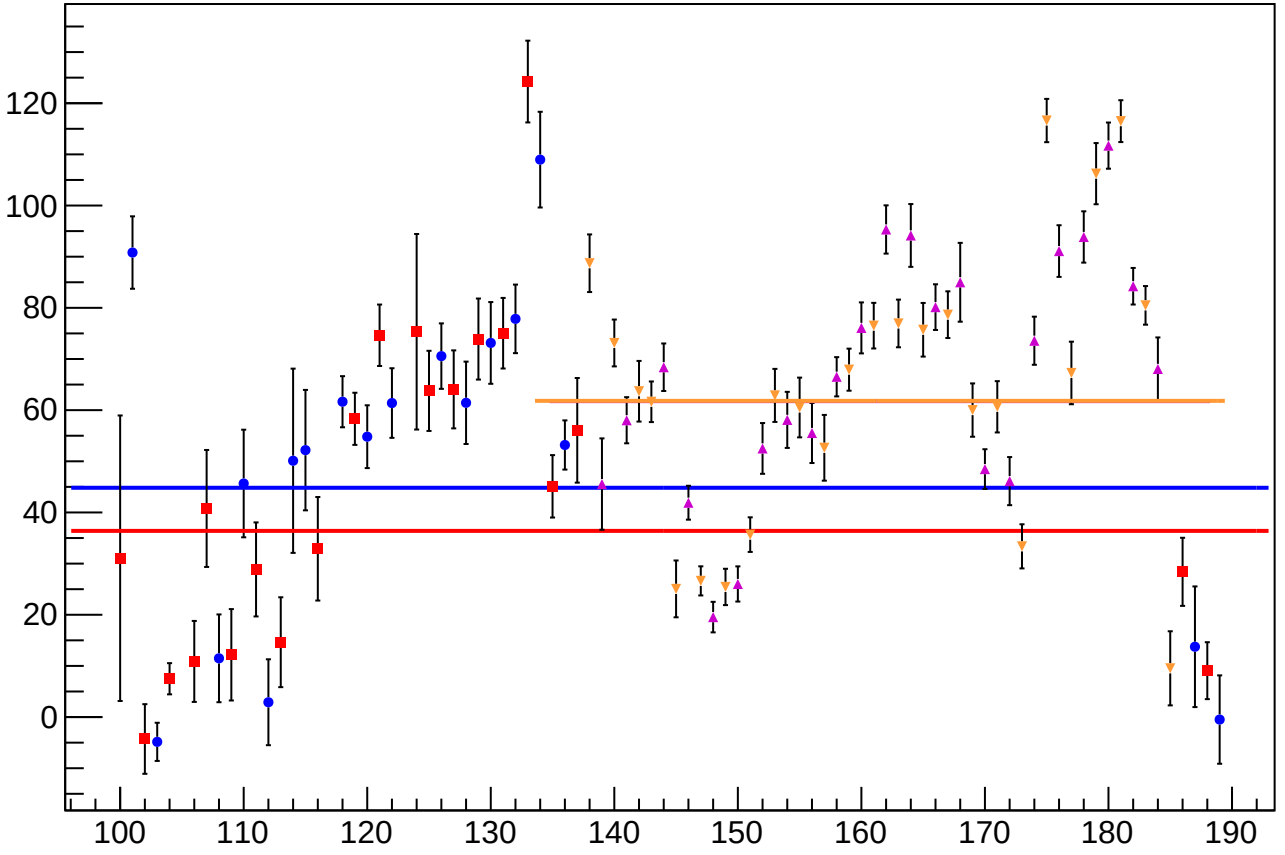
Left In: 278.989+/-1.089 χ^2/NDF:3114.7/22

+ sign 275.672+/-0.817 χ^2/NDF: 20588.5/42

All: 282.846+/-0.561 χ^2/NDF: 45076.6/86

- sign 289.241+/-0.771 χ^2/NDF: 24342.2/43

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 44.826+/-1.622 χ^2/NDF: 421.7/17

Left Out: 61.818+/-0.907 χ^2/NDF:959.5/24

Right Out: 36.397+/-1.495 χ^2/NDF: 444.9/20

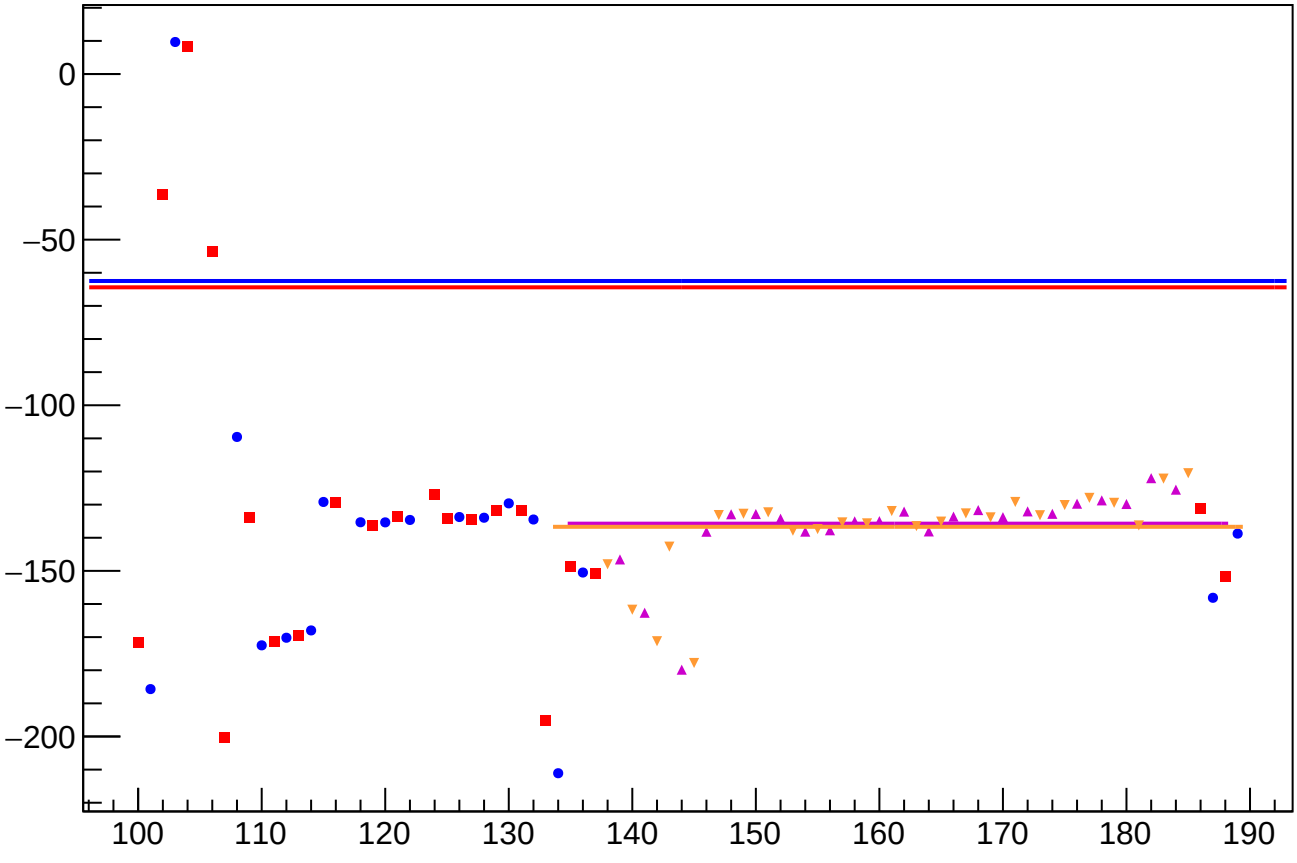
Left In: 61.763+/-0.939 χ^2/NDF:736.0/22

+ sign 57.766+/-0.792 χ^2/NDF: 1464.8/42

All: 56.184+/-0.561 χ^2/NDF: 2860.2/86

- sign 54.590+/-0.795 χ^2/NDF: 1387.4/43

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -62.480+/-0.071 χ^2/NDF: 1284675.0/17

Left Out: -136.695+/-0.042 χ^2/NDF:79006.9/24

Right Out: -64.393+/-0.071 χ^2/NDF: 983121.6/20

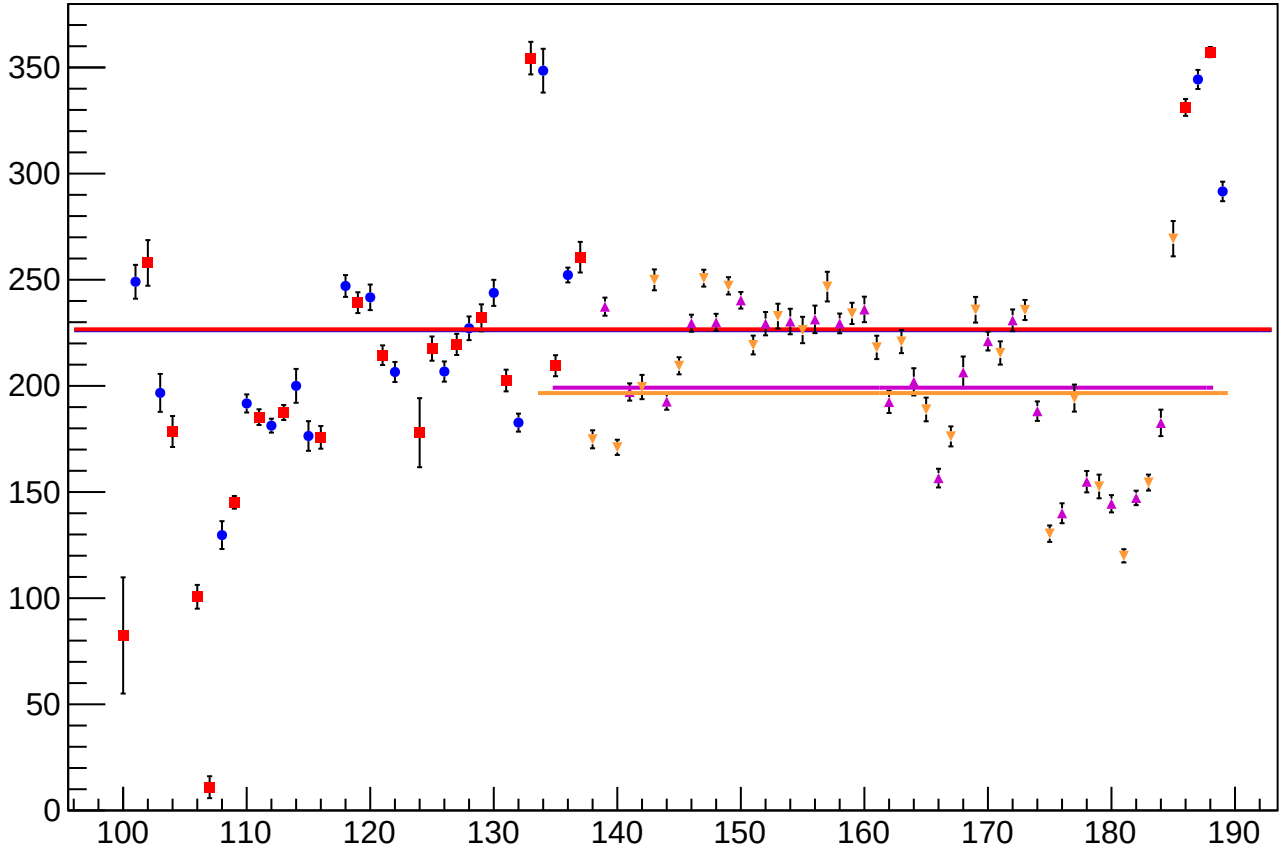
Left In: -135.745+/-0.043 χ^2/NDF:63681.9/22

+ sign -117.326+/-0.036 χ^2/NDF: 2169089.3/42

All: -117.087+/-0.026 χ^2/NDF: 3952054.2/86

- sign -116.844+/-0.037 χ^2/NDF: 1782877.9/43

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 226.220+/-1.202 χ^2/NDF: 1810.0/17

Left Out: 196.615+/-0.946 χ^2/NDF:2075.5/24

Right Out: 226.640+/-1.031 χ^2/NDF: 7456.6/20

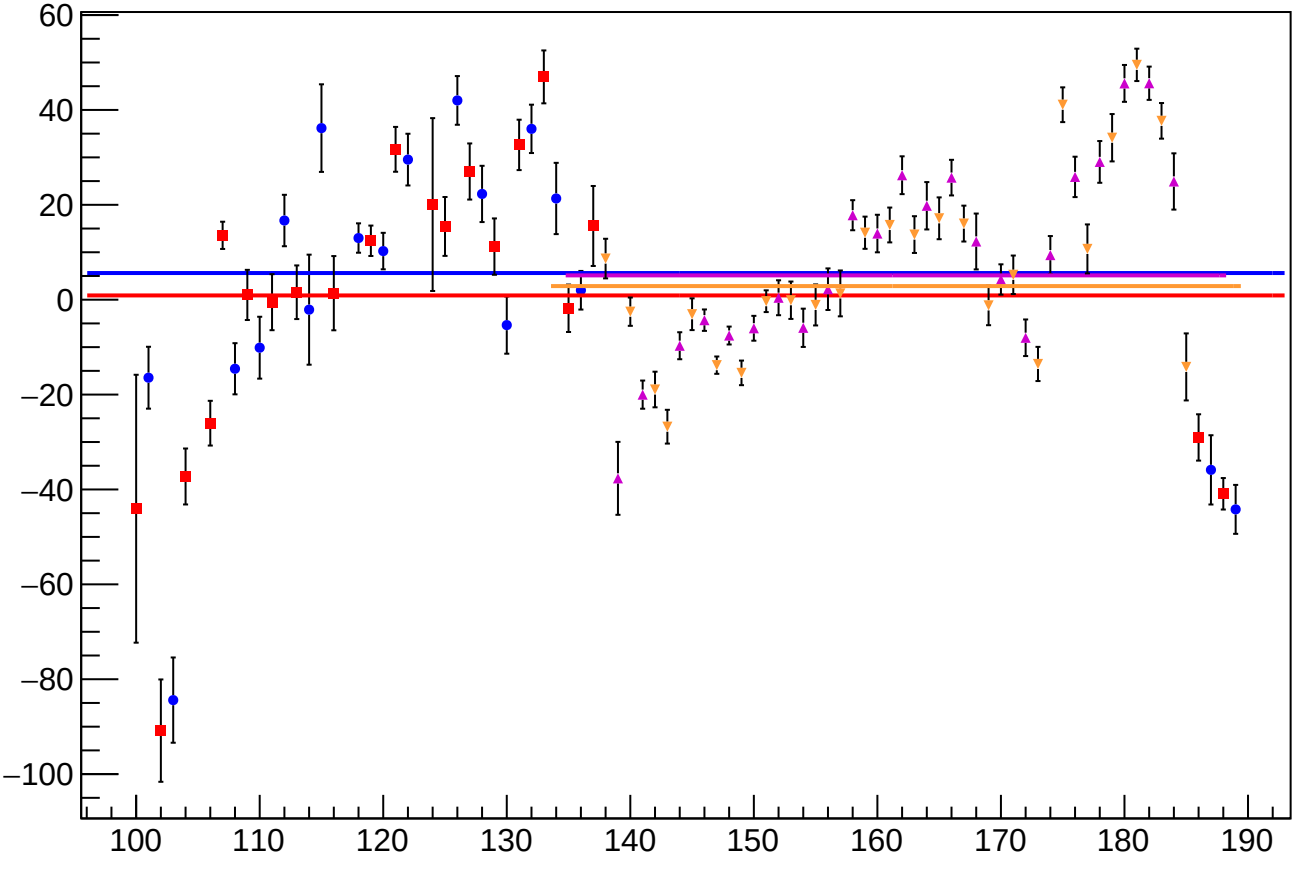
Left In: 199.153+/-0.973 χ^2/NDF:1294.6/22

+ sign 207.947+/-0.743 χ^2/NDF: 4260.1/42

All: 210.123+/-0.513 χ^2/NDF: 13403.5/86

- sign 212.094+/-0.708 χ^2/NDF: 9127.1/43

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 5.620+/-1.271 χ^2/NDF: 401.3/17

Left Out: 2.870+/-0.693 χ^2/NDF:752.8/24

Right Out: 0.899+/-1.118 χ^2/NDF: 557.1/20

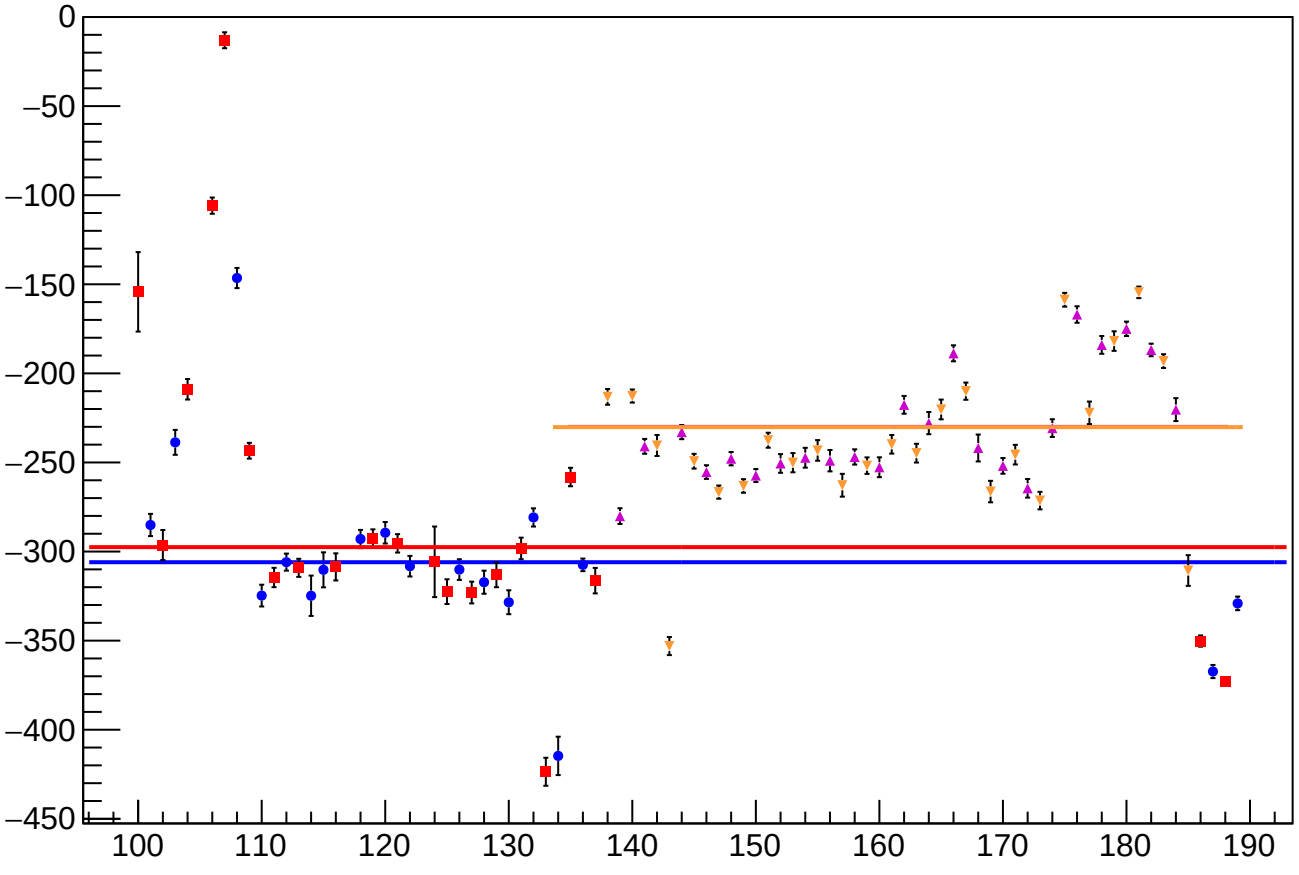
Left In: 5.126+/-0.718 χ^2/NDF:628.6/22

+ sign 3.501+/-0.608 χ^2/NDF: 1157.7/42

All: 3.698+/-0.429 χ^2/NDF: 2353.7/86

- sign 3.892+/-0.604 χ^2/NDF: 1195.8/43

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -305.986+/-1.284 χ^2/NDF: 1376.1/17

Left Out: -230.182+/-0.939 χ^2/NDF:2181.9/24

Right Out: -297.516+/-1.051 χ^2/NDF: 8415.5/20

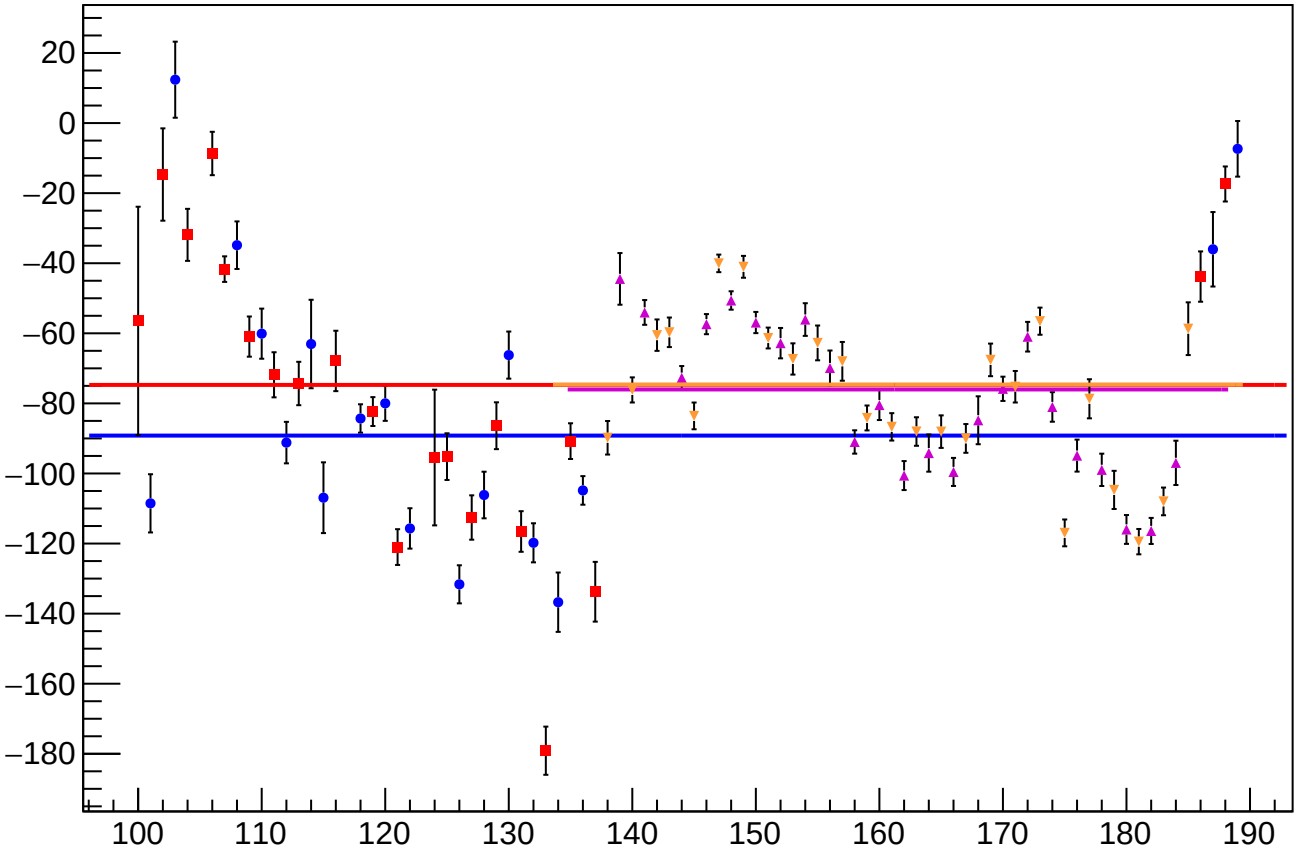
Left In: -230.047+/-0.961 χ^2/NDF:1094.0/22

\+ sign -256.596+/-0.758 χ^2/NDF: 5828.9/42

All: -258.822+/-0.518 χ^2/NDF: 17599.4/86

\- sign -260.771+/-0.709 χ^2/NDF: 11754.3/43

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -89.190+/-1.492 χ^2/NDF: 494.0/17

Left Out: -74.644+/-0.801 χ^2/NDF:831.0/24

Right Out: -74.727+/-1.345 χ^2/NDF: 882.3/20

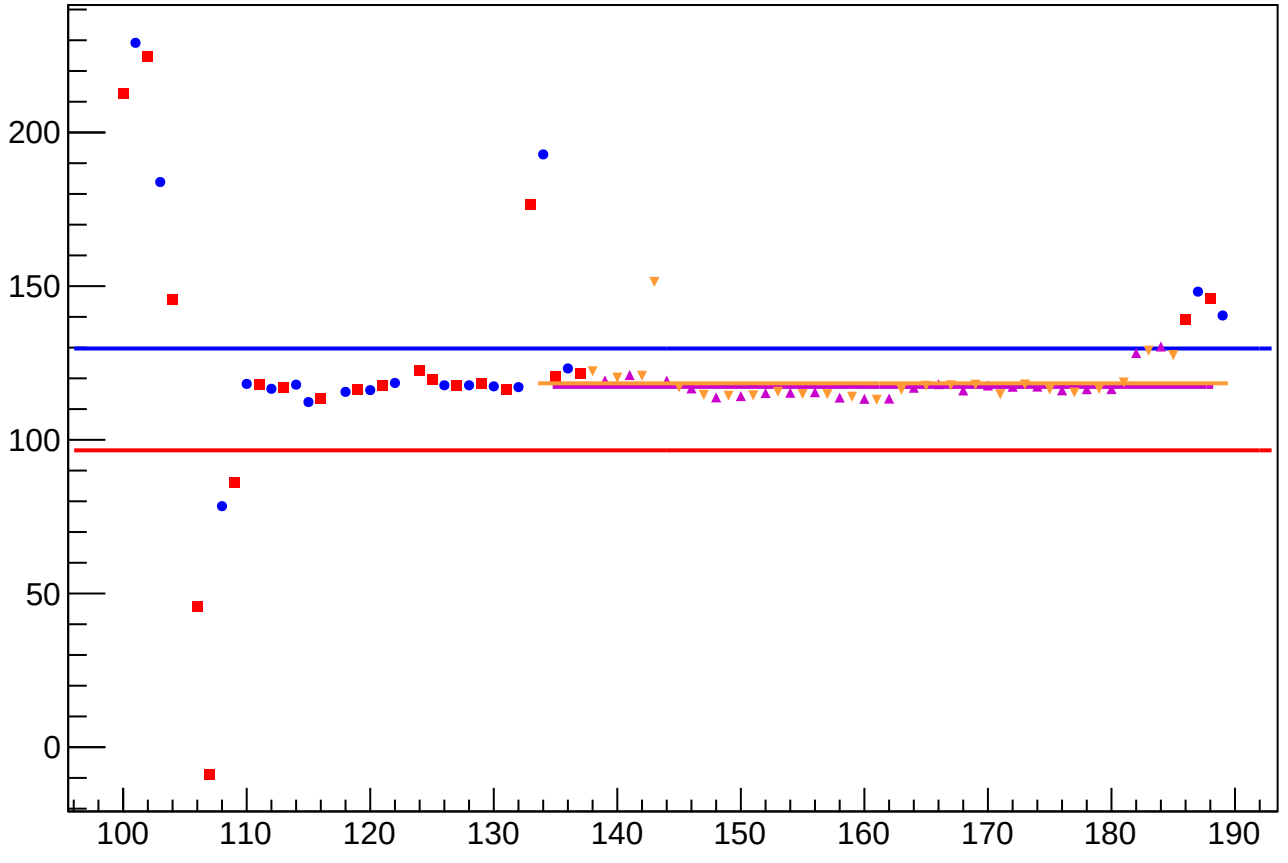
Left In: -76.025+/-0.824 χ^2/NDF:646.0/22

+ sign -77.898+/-0.705 χ^2/NDF: 1398.9/42

All: -76.780+/-0.498 χ^2/NDF: 2932.9/86

- sign -75.671+/-0.703 χ^2/NDF: 1529.0/43

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 129.710+/-0.086 χ^2/NDF: 185398.7/17

Left Out: 118.382+/-0.037 χ^2/NDF:34938.1/24

Right Out: 96.578+/-0.075 χ^2/NDF: 649272.8/20

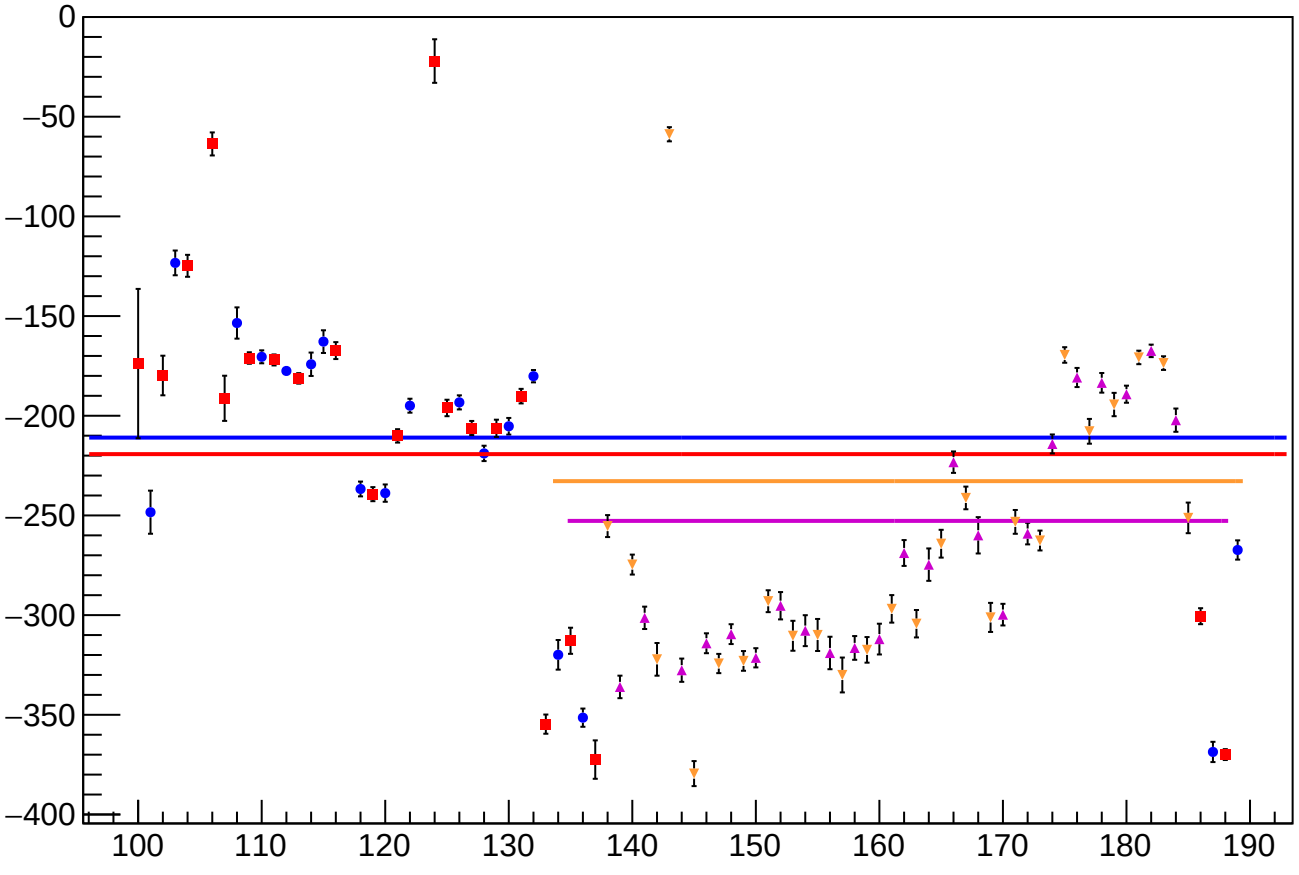
Left In: 117.225+/-0.038 χ^2/NDF:10227.9/22

+ sign 120.176+/-0.034 χ^2/NDF: 234964.4/42

All: 116.572+/-0.024 χ^2/NDF: 976748.5/86

- sign 113.087+/-0.034 χ^2/NDF: 719931.0/43

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -210.960+/-0.983 χ^2/NDF: 3216.4/17

Left Out: -232.800+/-1.072 χ^2/NDF:5764.0/24

Right Out: -219.249+/-0.894 χ^2/NDF: 7155.9/20

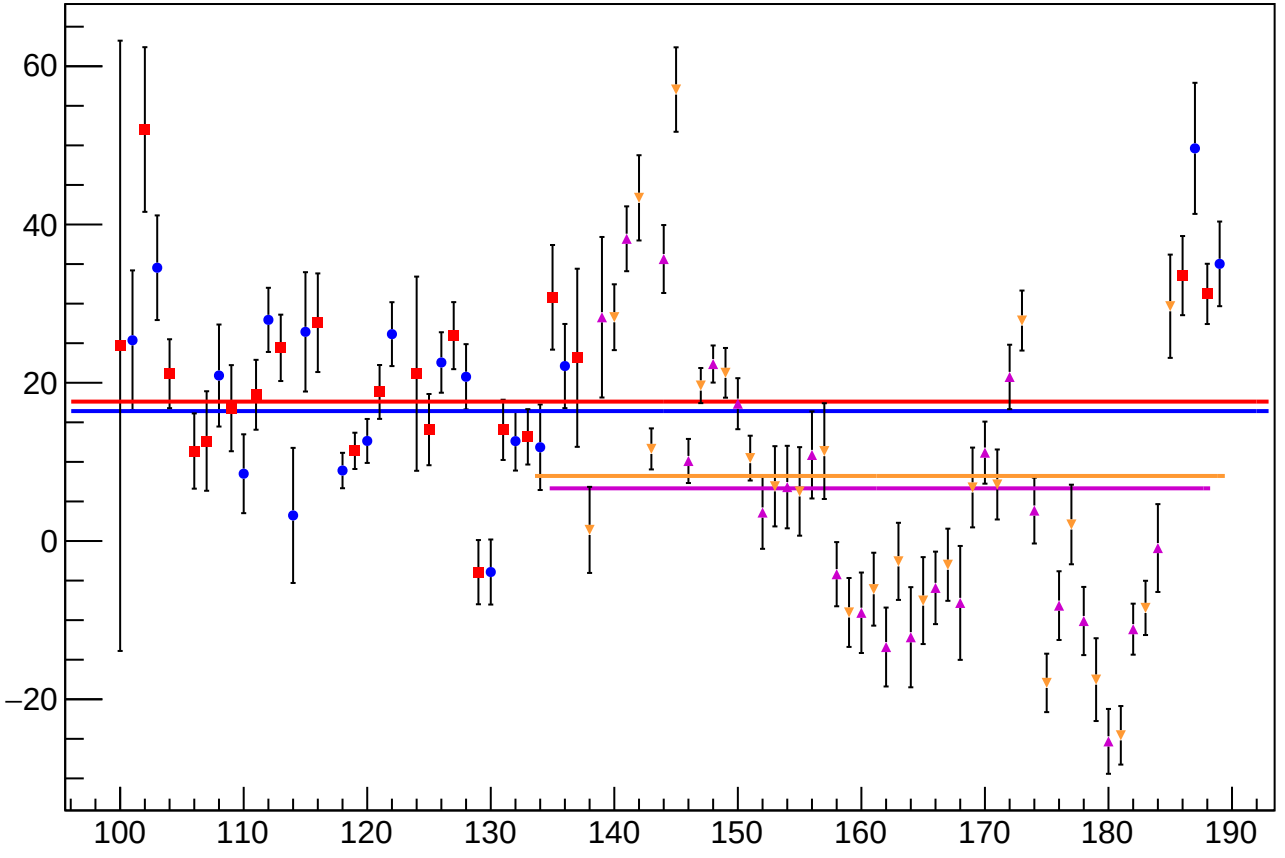
Left In: -252.738+/-1.131 χ^2/NDF:2913.9/22

+ sign -220.935+/-0.724 χ^2/NDF: 9205.9/42

All: -226.717+/-0.504 χ^2/NDF: 19938.7/86

- sign -232.139+/-0.702 χ^2/NDF: 10609.4/43

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 16.420+/-1.020 χ^2/NDF: 101.9/17

Left Out: 8.222+/-0.803 χ^2/NDF:457.9/24

Right Out: 17.619+/-0.981 χ^2/NDF: 89.1/20

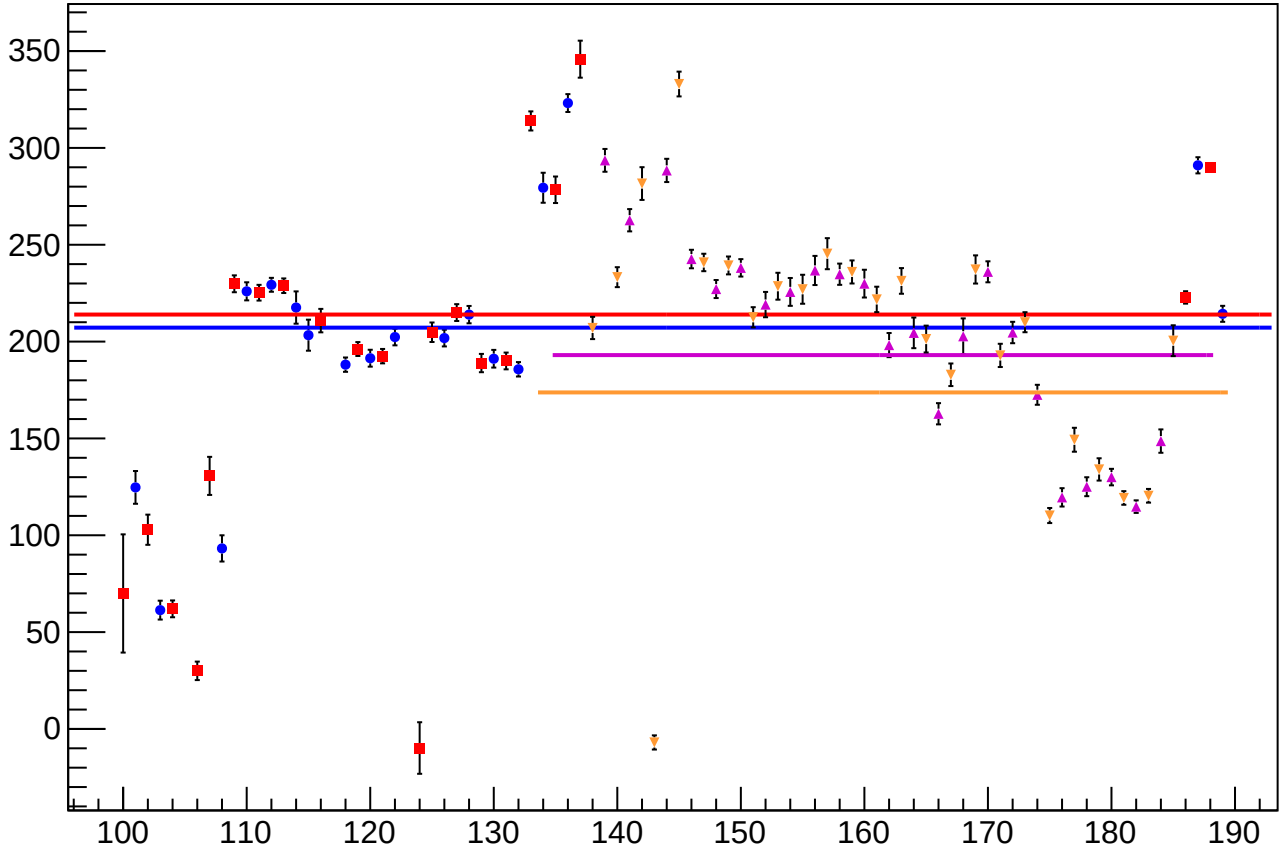
Left In: 6.657+/-0.858 χ^2/NDF:354.8/22

+ sign 11.357+/-0.631 χ^2/NDF: 599.7/42

All: 11.383+/-0.451 χ^2/NDF: 1114.4/86

- sign 11.410+/-0.646 χ^2/NDF: 514.7/43

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 207.202+/-1.107 χ^2/NDF: 2547.2/17

Left Out: 173.752+/-1.069 χ^2/NDF:5260.7/24

Right Out: 213.961+/-0.972 χ^2/NDF: 5328.3/20

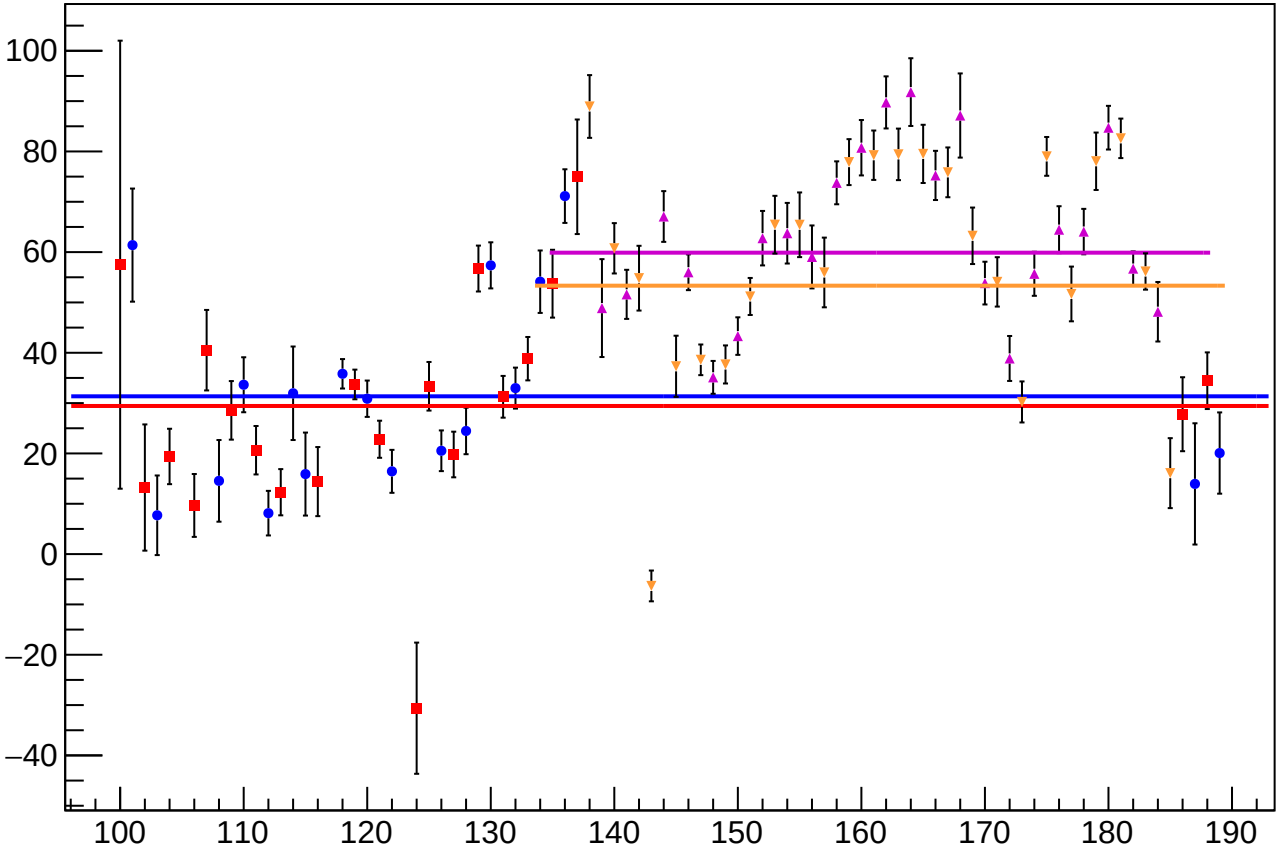
Left In: 193.026+/-1.122 χ^2/NDF:2512.0/22

\+ sign 189.881+/-0.769 χ^2/NDF: 8280.4/42

All: 197.779+/-0.531 χ^2/NDF: 16521.4/86

\- sign 204.986+/-0.735 χ^2/NDF: 8039.2/43

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 31.349+/-1.197 χ^2/NDF: 181.2/17

Left Out: 53.331+/-0.922 χ^2/NDF:778.9/24

Right Out: 29.428+/-1.156 χ^2/NDF: 141.8/20

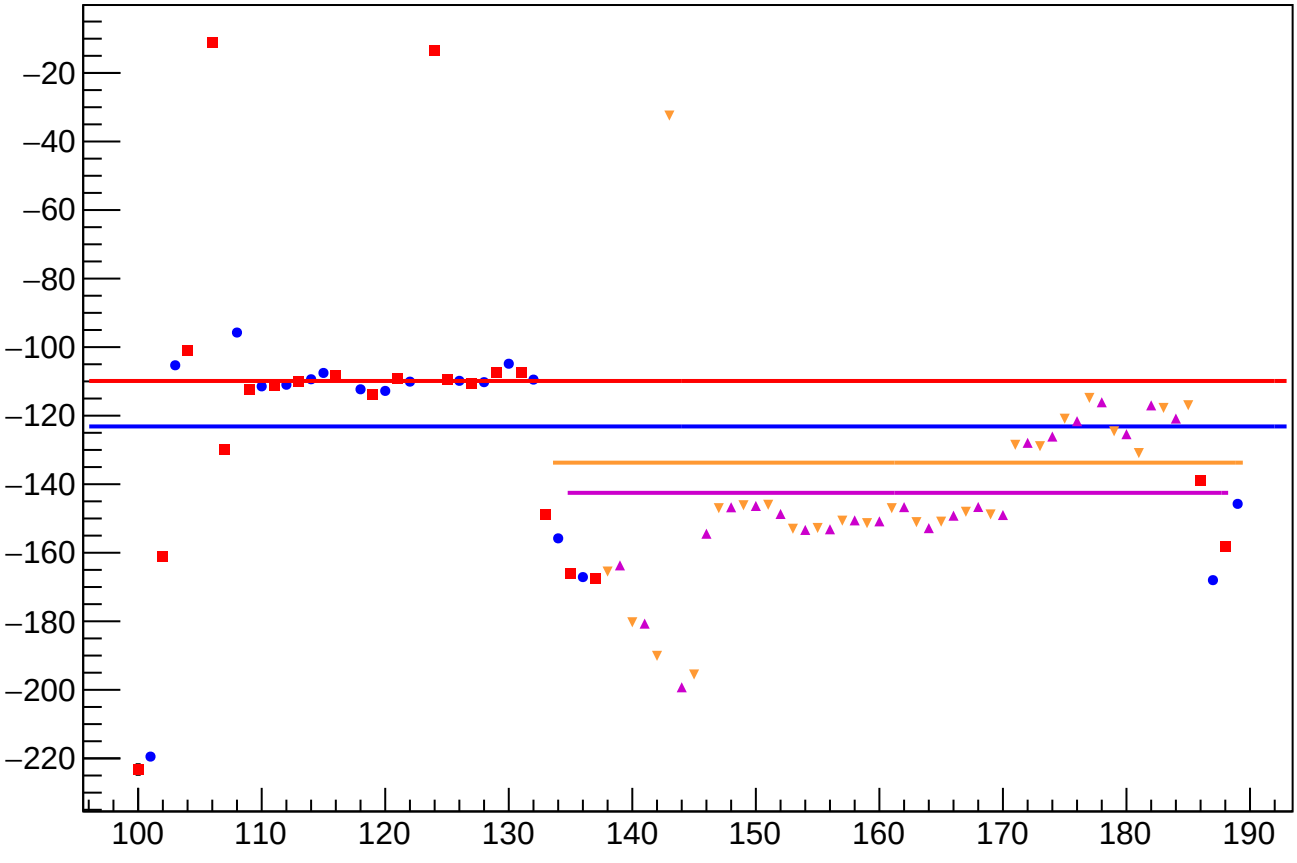
Left In: 59.887+/-0.977 χ^2/NDF:251.2/22

+ sign 45.149+/-0.730 χ^2/NDF: 1171.8/42

All: 46.151+/-0.522 χ^2/NDF: 1973.6/86

- sign 47.197+/-0.746 χ^2/NDF: 798.0/43

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -123.144+/-0.077 χ^2/NDF: 128965.0/17

Left Out: -133.709+/-0.043 χ^2/NDF:675925.6/24

Right Out: -109.877+/-0.071 χ^2/NDF: 392648.3/20

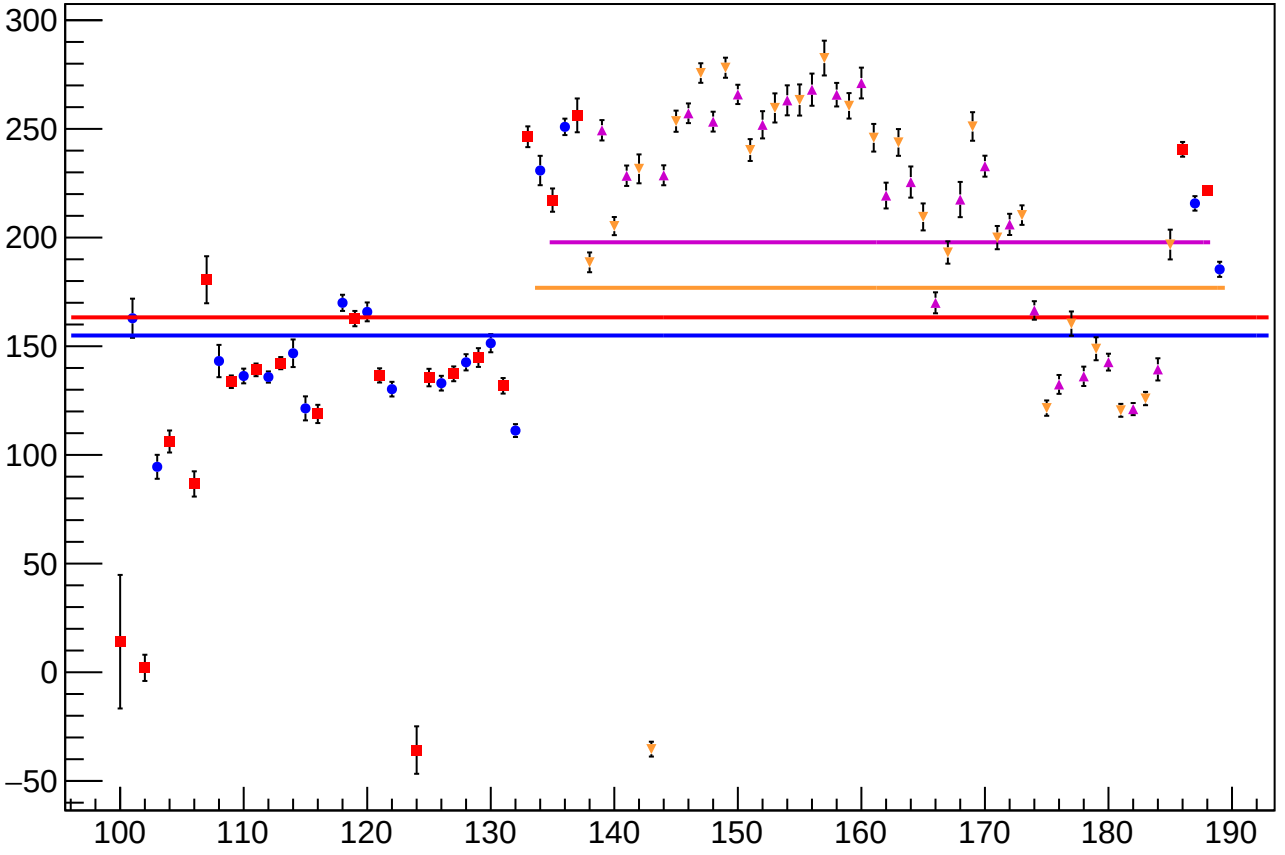
Left In: -142.518+/-0.044 χ^2/NDF:178481.1/22

+ sign -131.194+/-0.037 χ^2/NDF: 819376.4/42

All: -132.290+/-0.027 χ^2/NDF: 1543031.3/86

- sign -133.405+/-0.038 χ^2/NDF: 721920.9/43

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 154.942+/-0.926 χ^2/NDF: 1775.1/17

Left Out: 176.884+/-0.958 χ^2/NDF:7424.8/24

Right Out: 163.290+/-0.820 χ^2/NDF: 4125.2/20

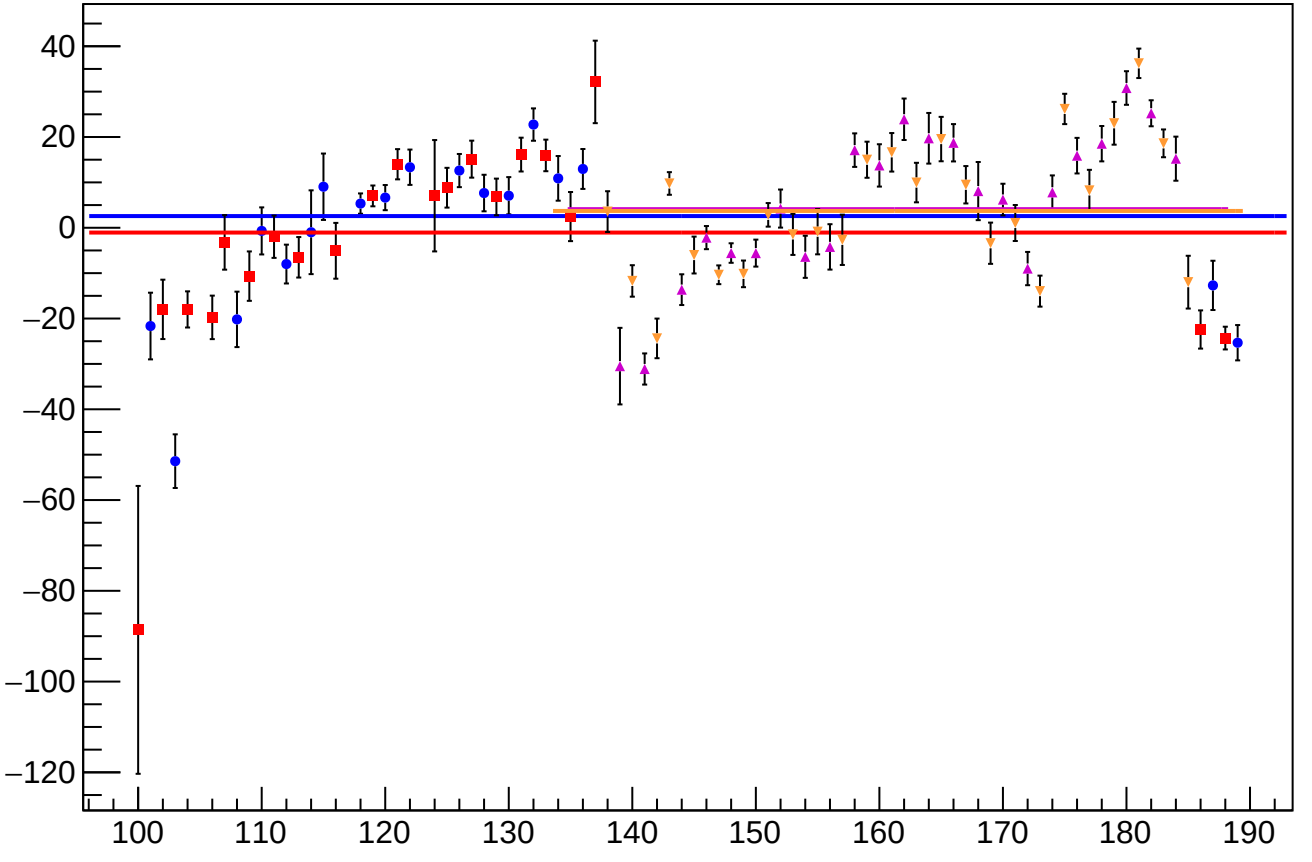
Left In: 197.829+/-1.006 χ^2/NDF:2968.0/22

+ sign 165.546+/-0.666 χ^2/NDF: 9471.2/42

All: 171.578+/-0.460 χ^2/NDF: 17429.4/86

- sign 177.079+/-0.636 χ^2/NDF: 7801.2/43

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 2.576+/-0.971 χ^2/NDF: 237.0/17

Left Out: 3.708+/-0.723 χ^2/NDF:400.9/24

Right Out: -1.056+/-0.916 χ^2/NDF: 281.5/20

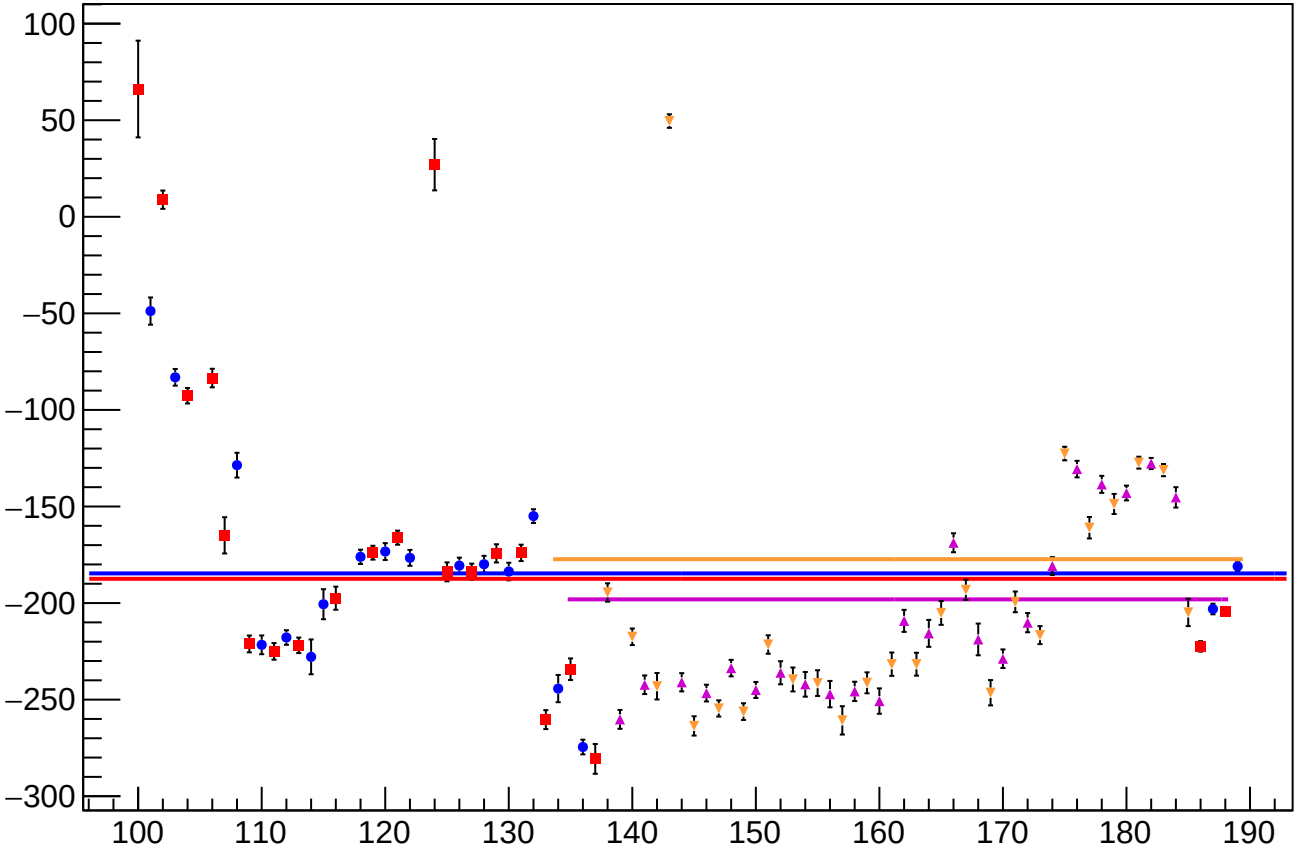
Left In: 4.102+/-0.769 χ^2/NDF:398.9/22

+ sign 3.304+/-0.580 χ^2/NDF: 638.8/42

All: 2.647+/-0.413 χ^2/NDF: 1340.5/86

- sign 1.969+/-0.589 χ^2/NDF: 699.1/43

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -184.647+/-0.999 χ^2/NDF: 1922.8/17

Left Out: -177.283+/-0.956 χ^2/NDF:7040.0/24

Right Out: -187.441+/-0.835 χ^2/NDF: 4150.0/20

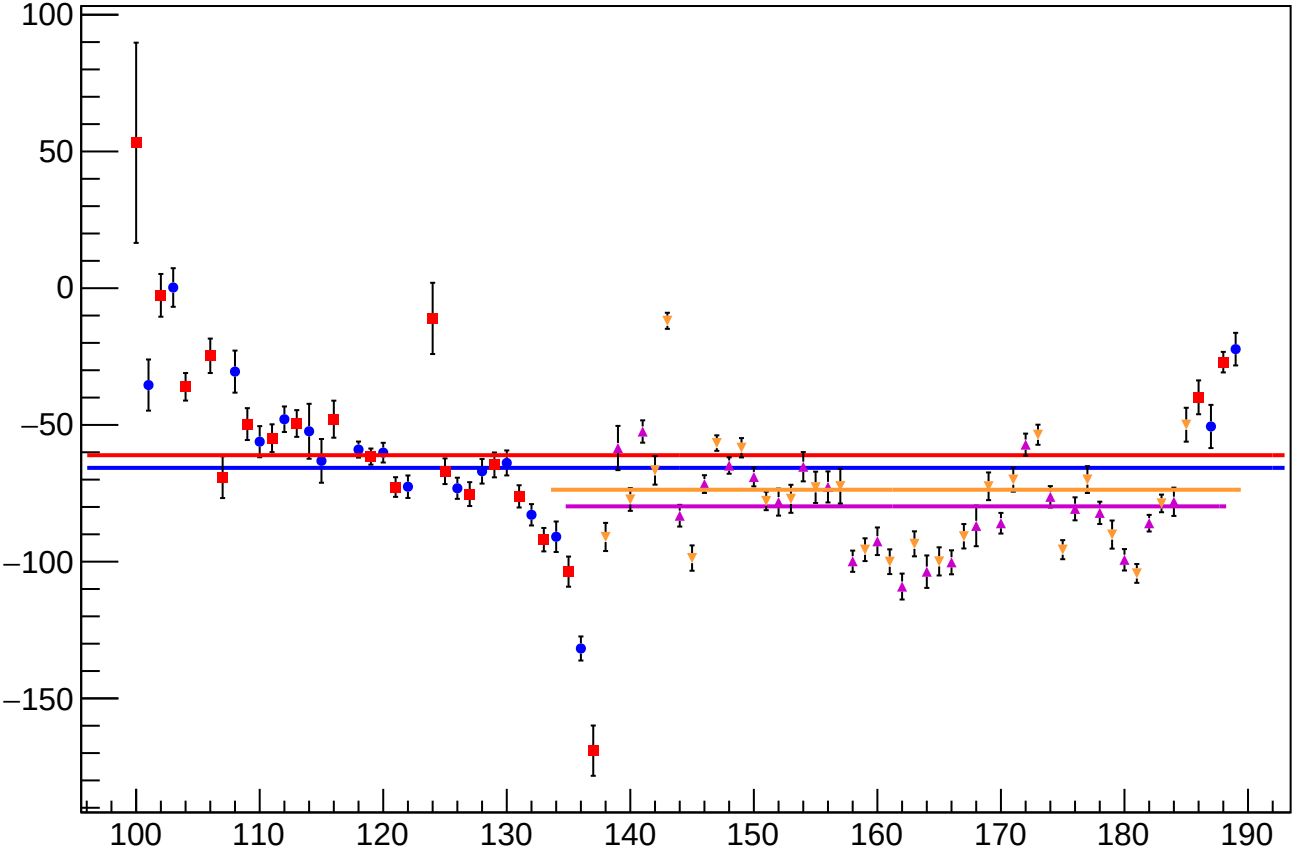
Left In: -198.088+/-1.000 χ^2/NDF:2386.2/22

+ sign -180.804+/-0.691 χ^2/NDF: 8991.2/42

All: -186.719+/-0.470 χ^2/NDF: 15730.7/86

- sign -191.817+/-0.641 χ^2/NDF: 6603.0/43

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -65.702+/-1.146 χ^2/NDF: 473.8/17

Left Out: -73.706+/-0.829 χ^2/NDF:839.6/24

Right Out: -61.070+/-1.096 χ^2/NDF: 534.8/20

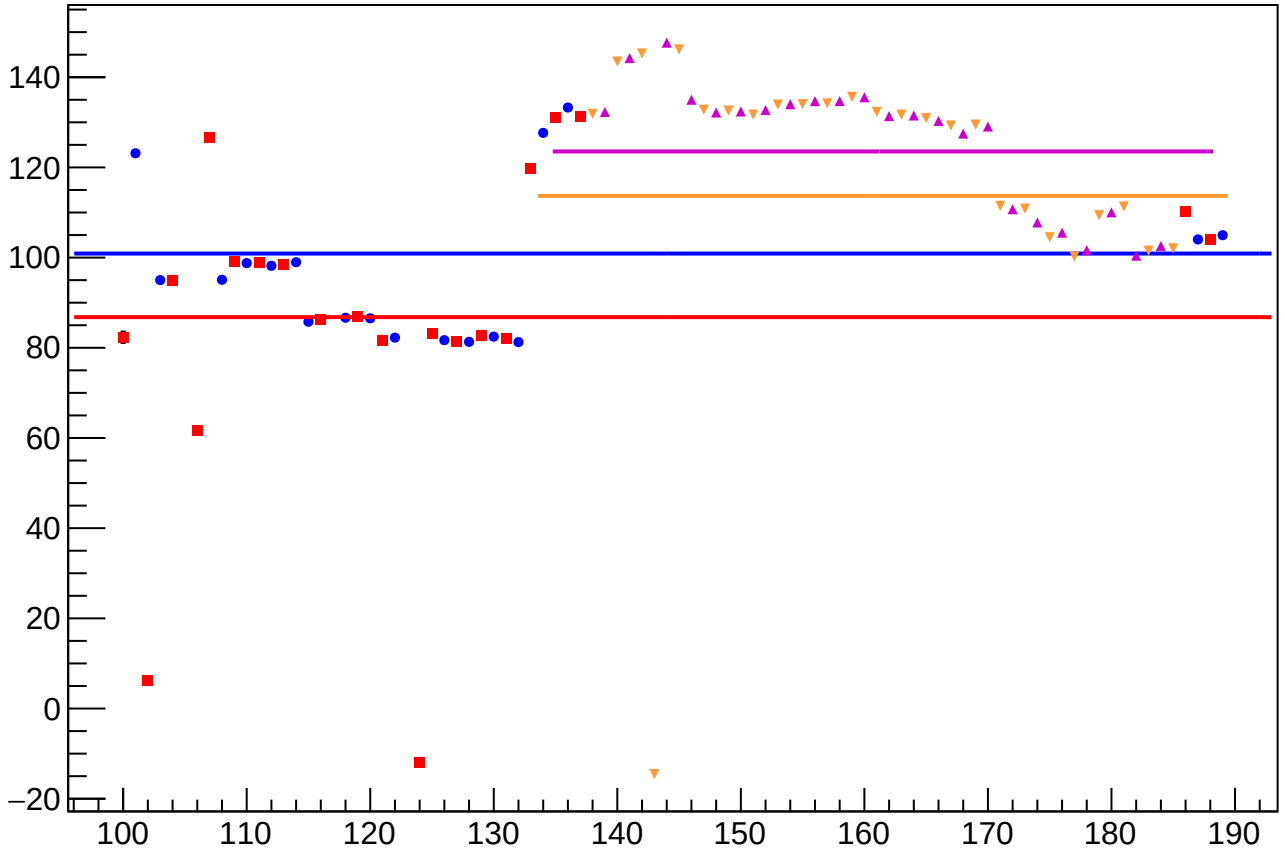
Left In: -79.777+/-0.874 χ^2/NDF:277.1/22

+ sign -70.958+/-0.672 χ^2/NDF: 1345.4/42

All: -71.720+/-0.479 χ^2/NDF: 2337.9/86

- sign -72.509+/-0.683 χ^2/NDF: 989.9/43

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 100.898+/-0.071 χ^2/NDF: 67759.7/17

Left Out: 113.687+/-0.038 χ^2/NDF:963156.9/24

Right Out: 86.797+/-0.065 χ^2/NDF: 275642.3/20

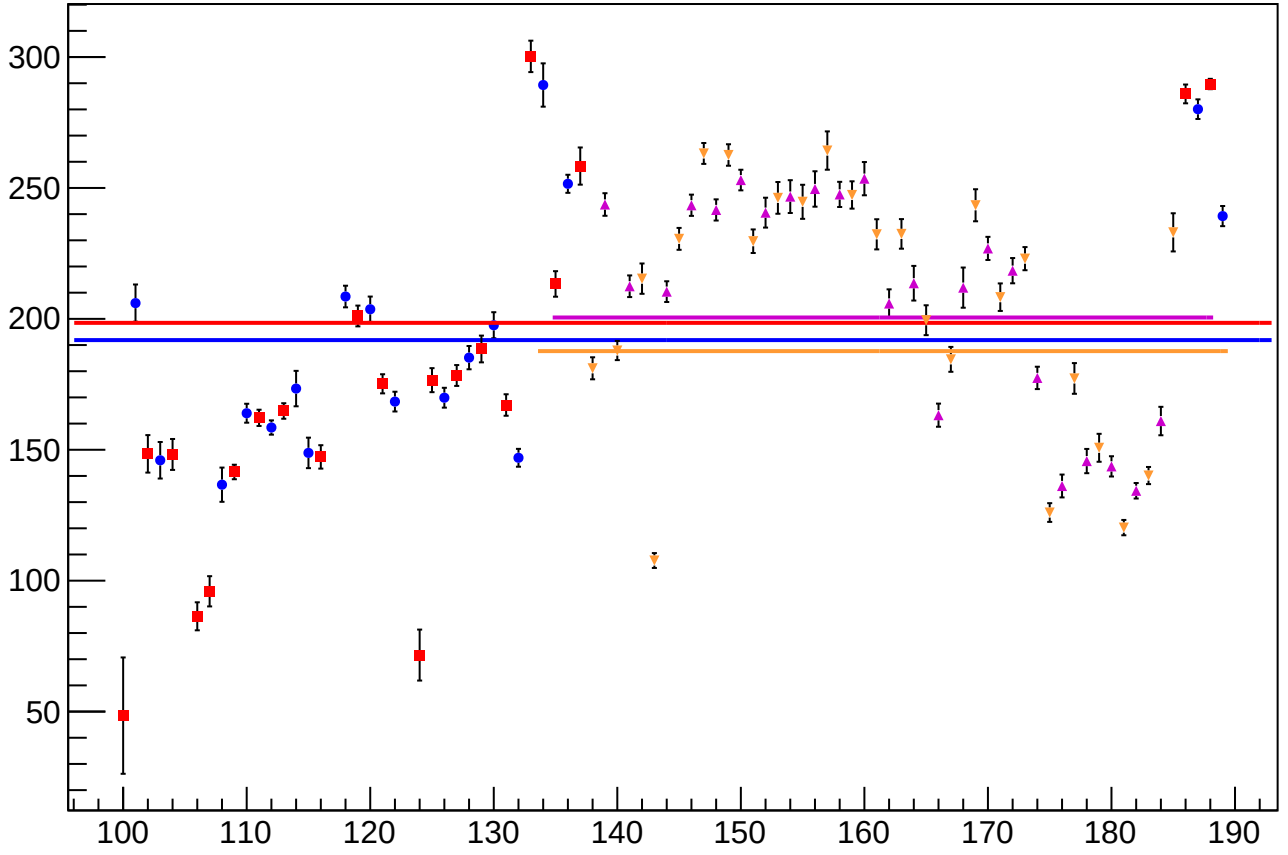
Left In: 123.538+/-0.040 χ^2/NDF:134613.3/22

+ sign 110.767+/-0.034 χ^2/NDF: 1056298.3/42

All: 112.130+/-0.024 χ^2/NDF: 1704834.5/86

- sign 113.499+/-0.034 χ^2/NDF: 645255.1/43

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 191.889+/-1.010 χ^2/NDF: 1805.5/17

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

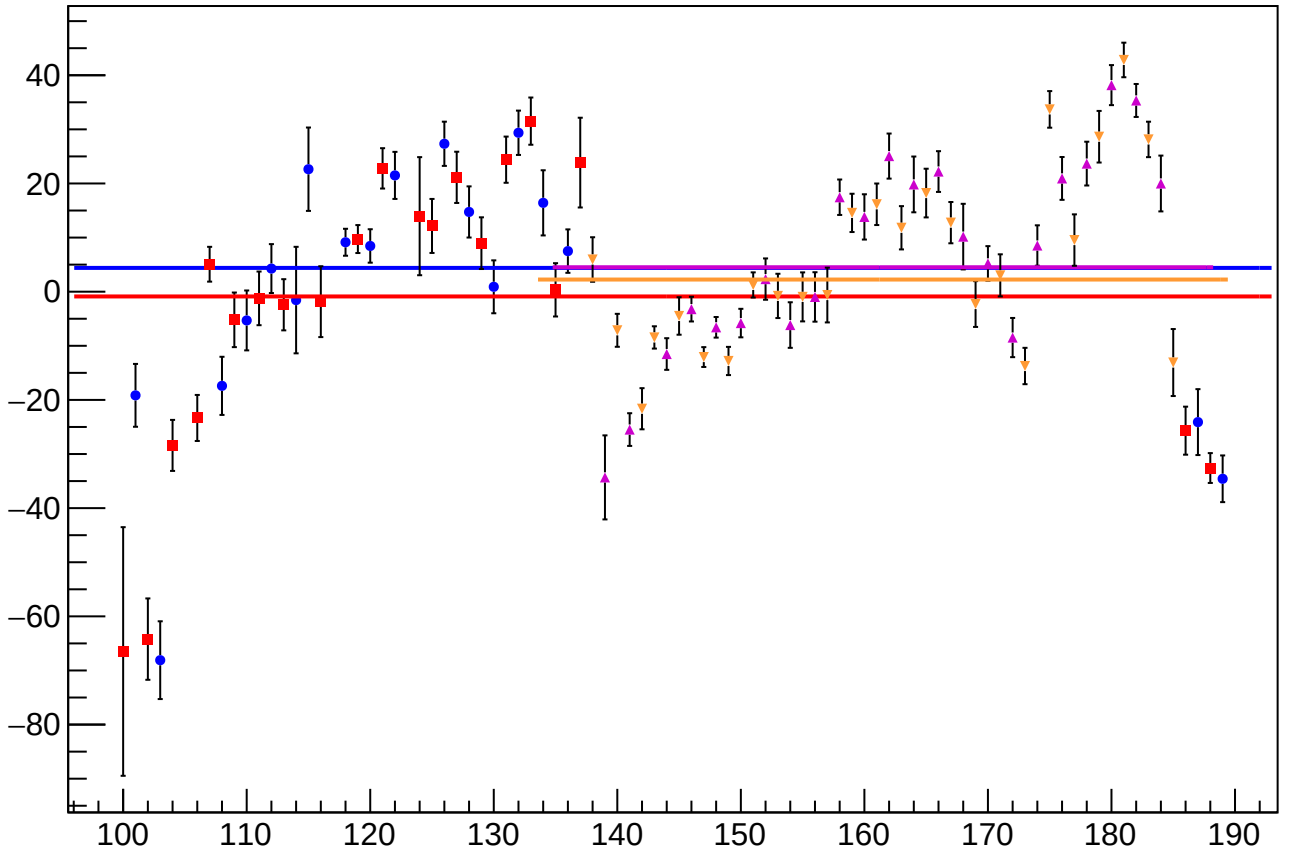
Right Out: 198.477+/-0.879 χ^2/NDF: 5150.3/20

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 189.538+/-0.671 χ^2/NDF: 5343.5/42

All: 194.656+/-0.466 χ^2/NDF: 12720.0/86

- sign 199.415+/-0.647 χ^2/NDF: 7264.2/43



Right In: 4.396+/-1.061 χ^2/NDF: 346.5/17

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -0.880+/-0.967 χ^2/NDF: 499.6/20

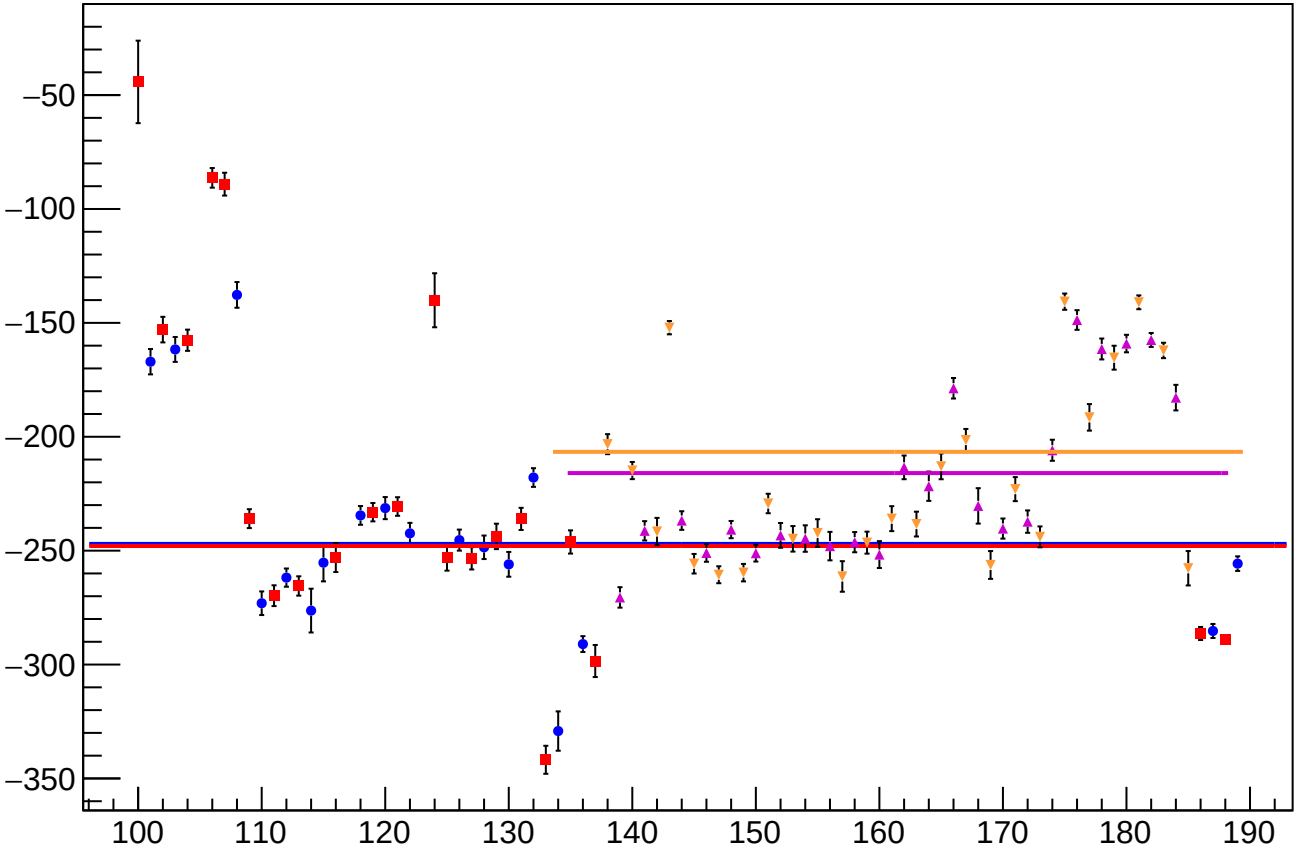
Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

\+ sign 2.851+/-0.563 χ^2/NDF: 950.3/42

All: 2.733+/-0.402 χ^2/NDF: 2017.3/86

\- sign 2.610+/-0.575 χ^2/NDF: 1066.8/43

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -247.036+/-1.086 χ^2/NDF: 1360.6/17

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

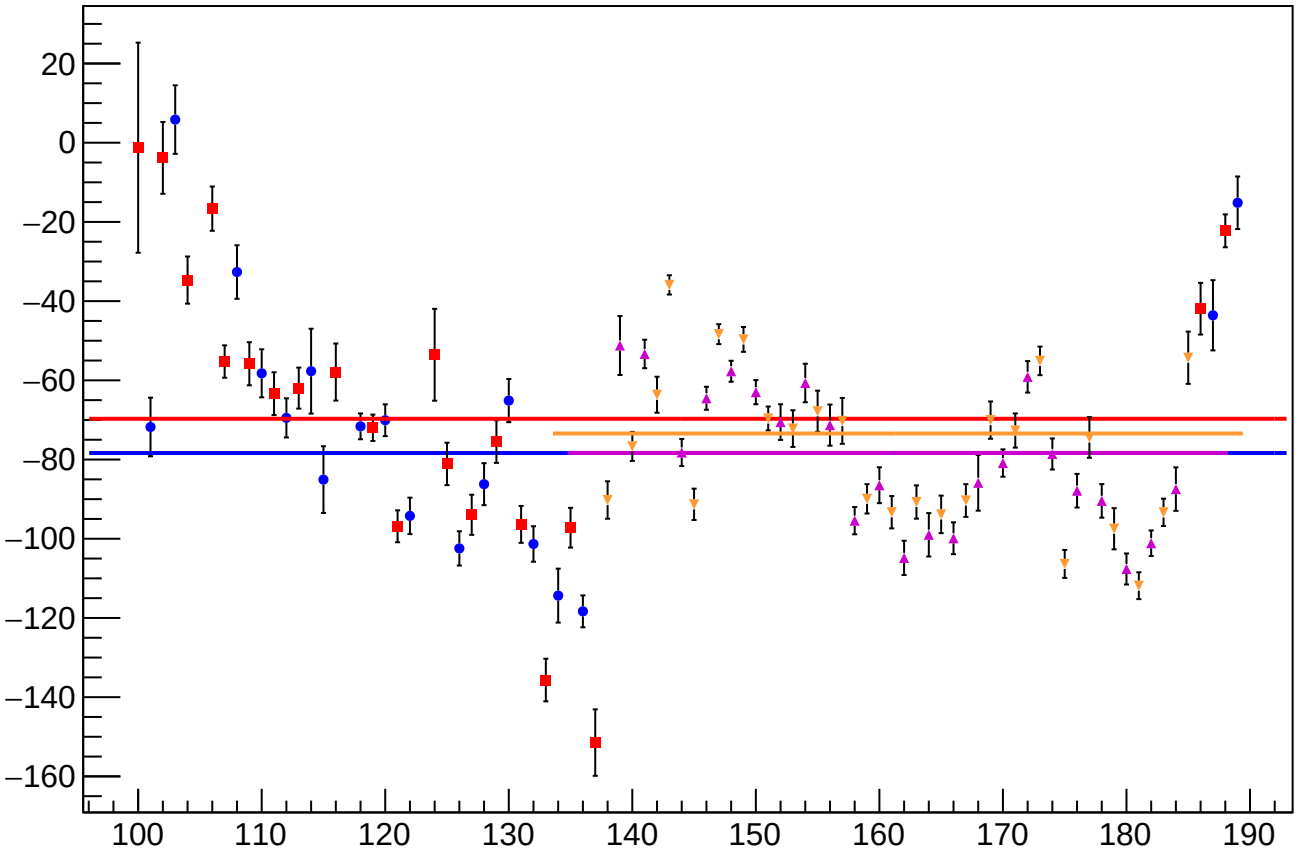
Right Out: -247.949+/-0.898 χ^2/NDF: 4494.4/20

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

\+ sign -222.961+/-0.691 χ^2/NDF: 4653.6/42

All: -228.161+/-0.474 χ^2/NDF: 11569.6/86

\- sign -232.786+/-0.651 χ^2/NDF: 6808.9/43



Right In: -78.351+/-1.251 χ^2/NDF: 478.5/17

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

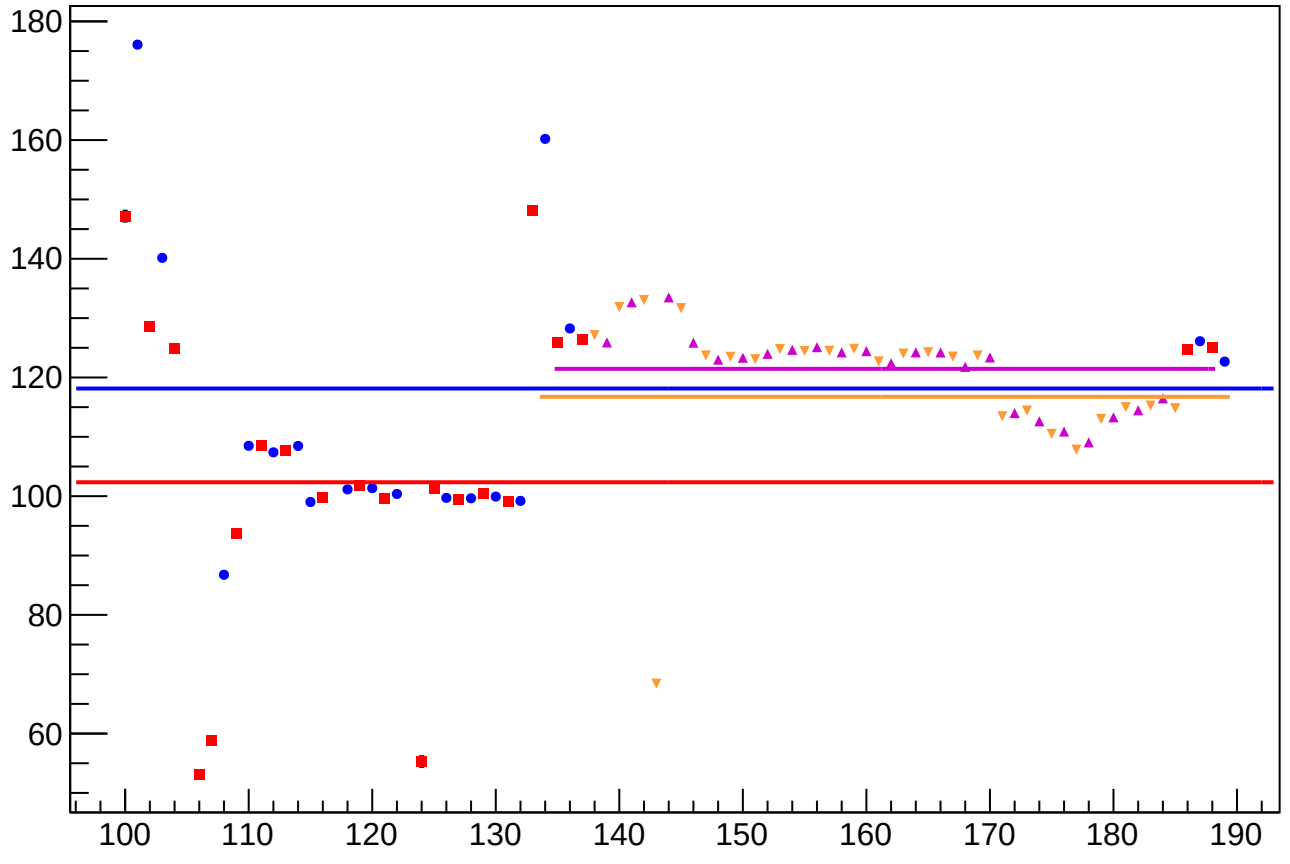
Right Out: -69.707+/-1.161 χ^2/NDF: 743.0/20

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

\+ sign -74.772+/-0.654 χ^2/NDF: 1326.3/42

All: -75.114+/-0.467 χ^2/NDF: 2550.0/86

\- sign -75.471+/-0.668 χ^2/NDF: 1223.1/43



Right In: 118.141+/-0.075 χ^2/NDF: 95897.9/17

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 102.348+/-0.066 χ^2/NDF: 180303.8/20

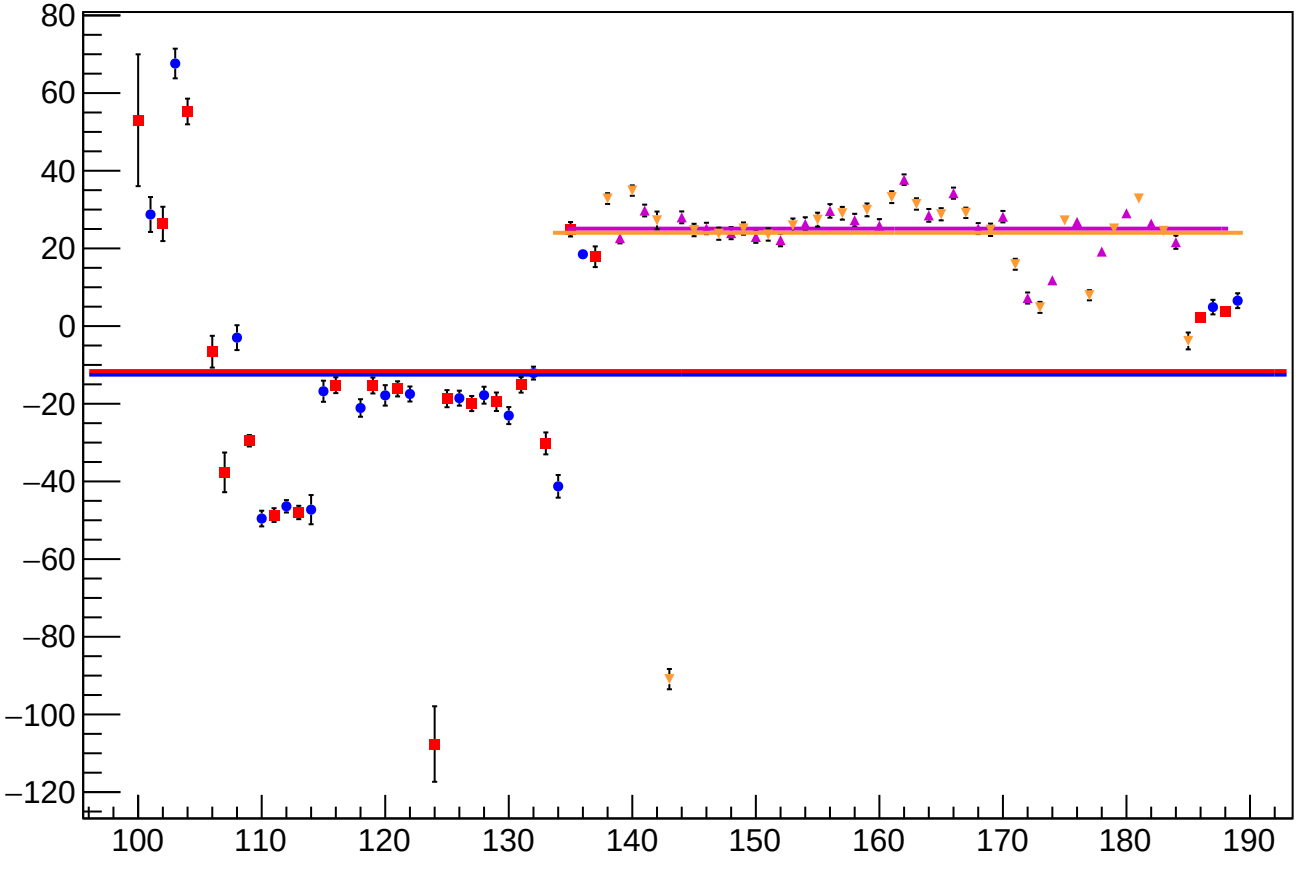
Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

\+ sign 117.000+/-0.032 χ^2/NDF: 299832.2/42

All: 116.939+/-0.023 χ^2/NDF: 571926.1/86

\- sign 116.877+/-0.032 χ^2/NDF: 272086.7/43

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -12.496+/-0.500 χ^2/NDF: 2338.6/17

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

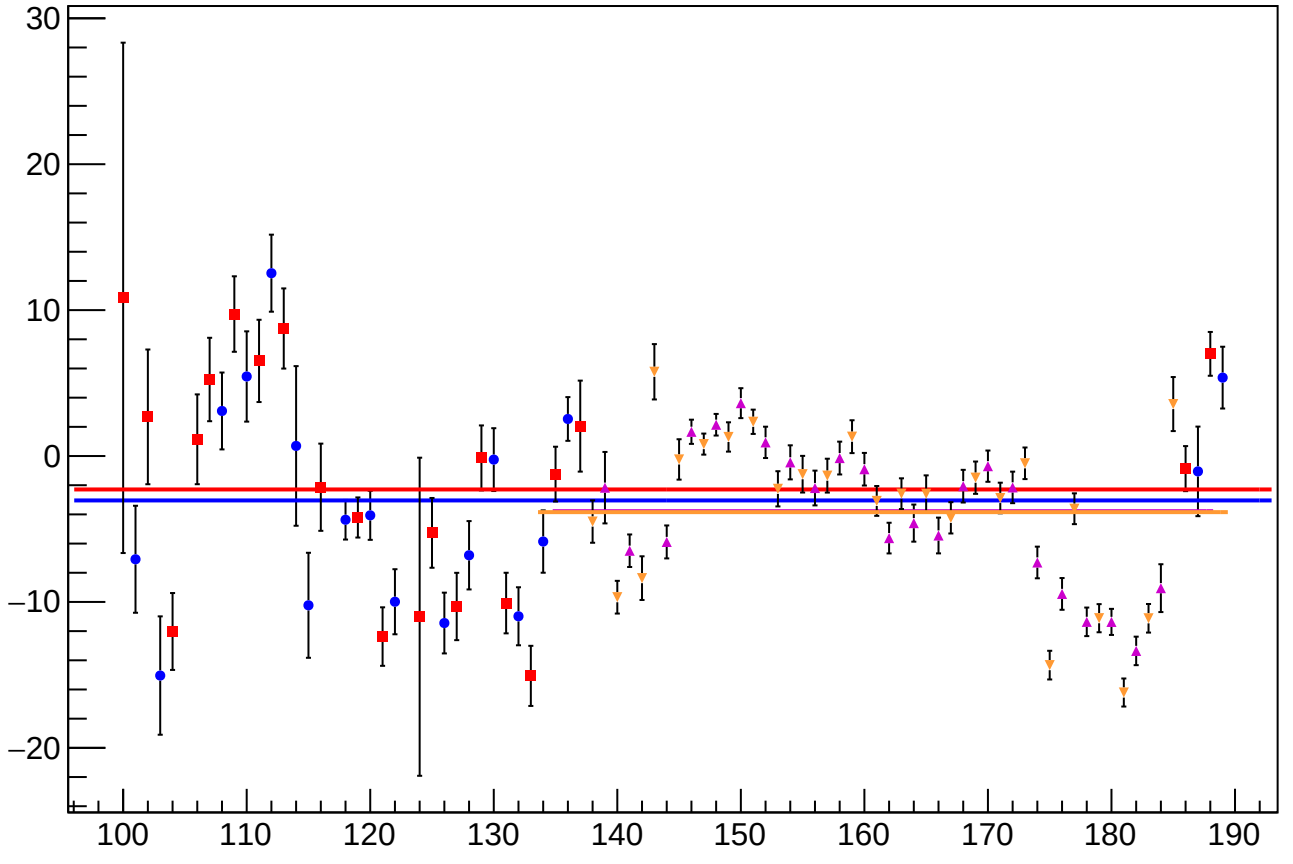
Right Out: -11.584+/-0.443 χ^2/NDF: 2592.3/20

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

+ sign 15.214+/-0.246 χ^2/NDF: 9186.7/42

All: 14.718+/-0.172 χ^2/NDF: 17105.5/86

- sign 14.240+/-0.241 χ^2/NDF: 7910.7/43



Right In: -3.043+/-0.526 χ^2/NDF: 141.5/17

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: -2.291+/-0.499 χ^2/NDF: 207.4/20

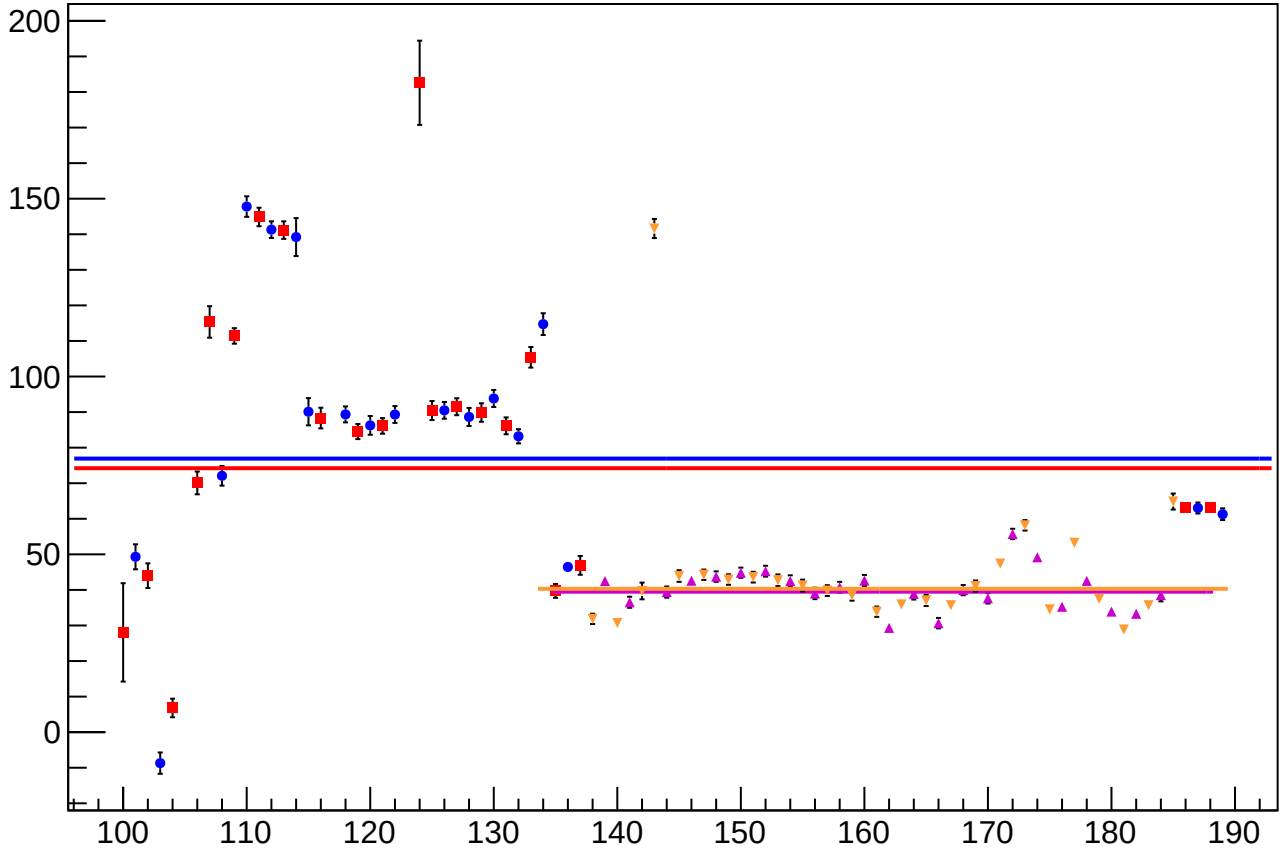
Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

+ sign -3.728+/-0.201 χ^2/NDF: 792.9/42

All: -3.631+/-0.143 χ^2/NDF: 1518.0/86

- sign -3.531+/-0.204 χ^2/NDF: 724.7/43

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 76.924+/-0.534 χ^2/NDF: 3451.6/17

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

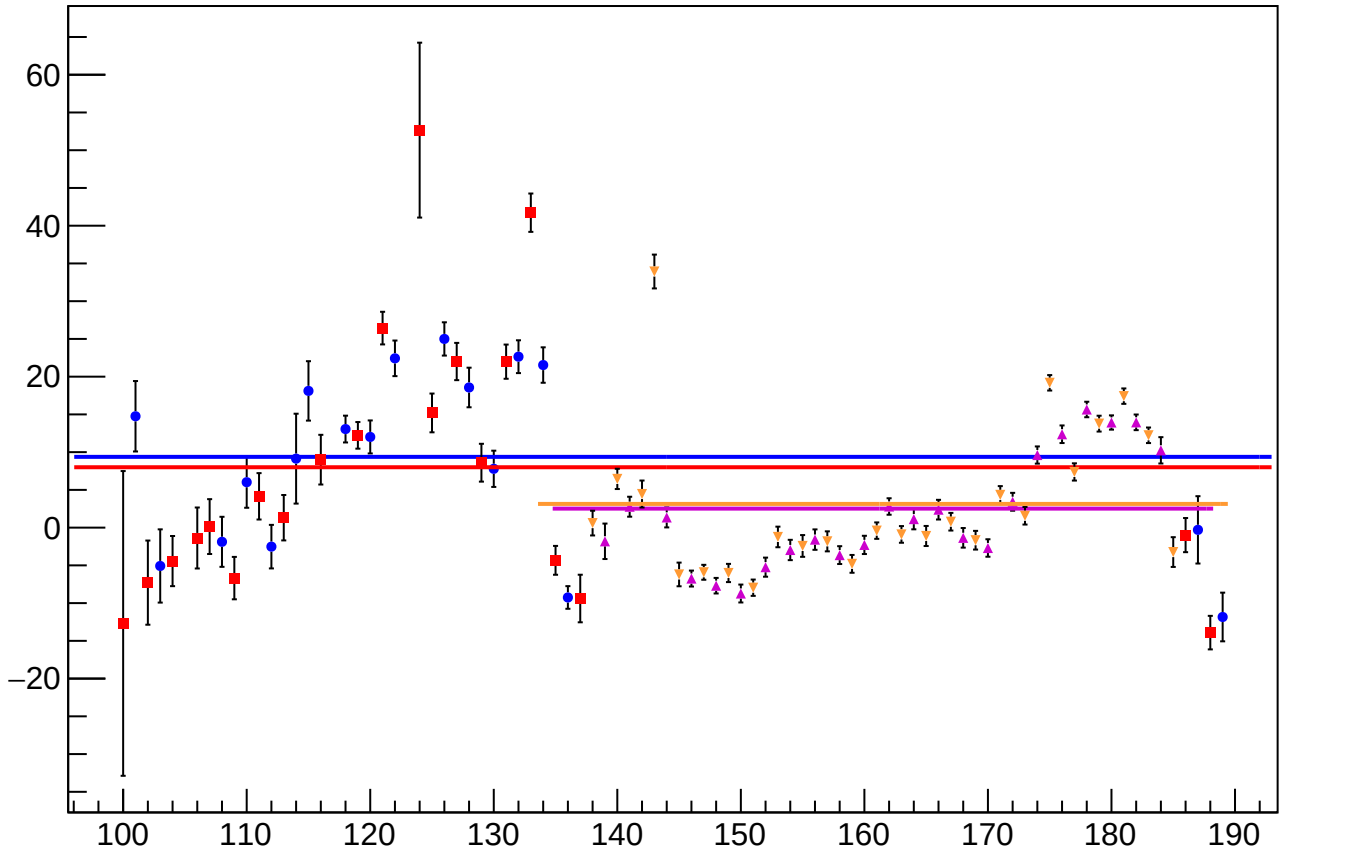
Right Out: 74.218+/-0.448 χ^2/NDF: 3746.6/20

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

+ sign 48.210+/-0.248 χ^2/NDF: 9316.8/42

All: 48.879+/-0.173 χ^2/NDF: 17793.0/86

- sign 49.507+/-0.240 χ^2/NDF: 8462.1/43



Right In: 9.376+/-0.609 χ^2/NDF: 410.2/17

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

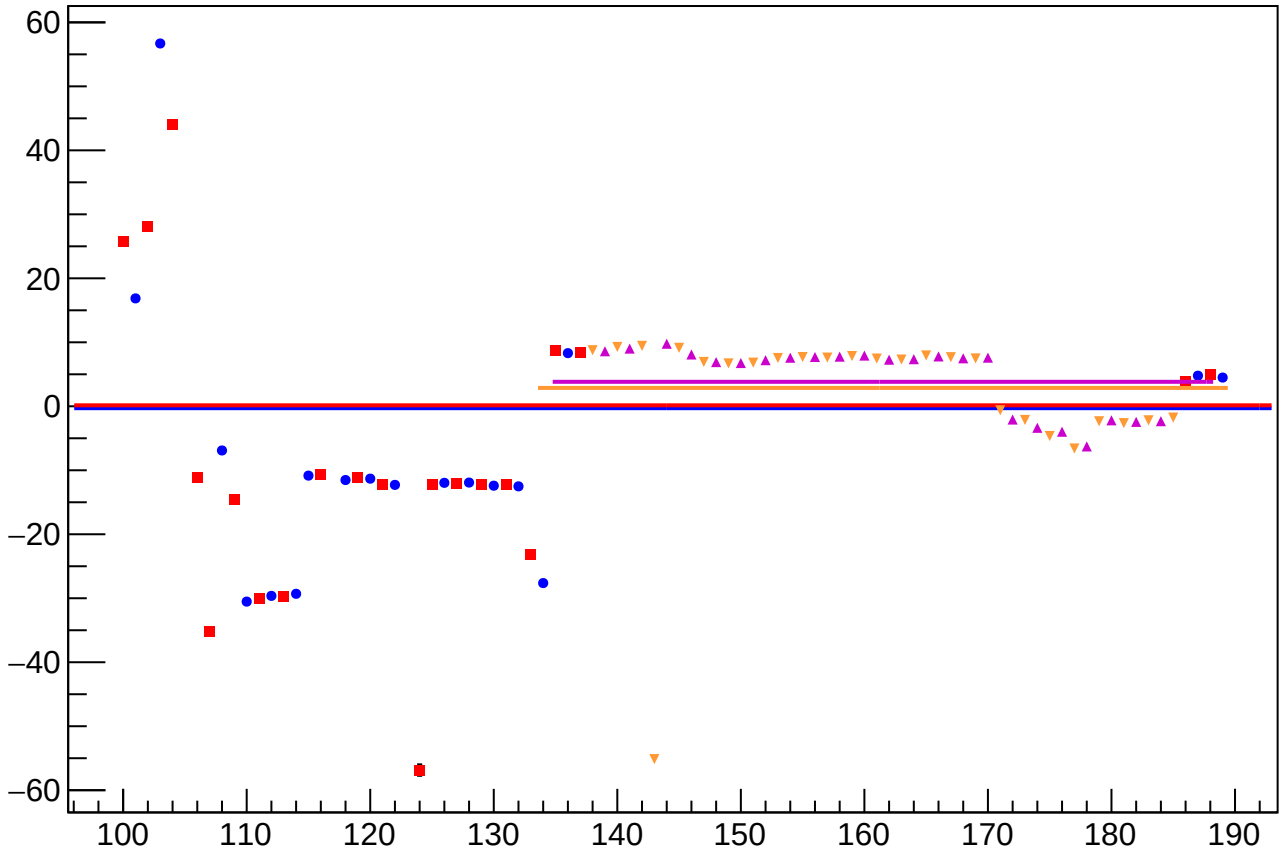
Right Out: 8.000+/-0.594 χ^2/NDF: 599.5/20

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

\+ sign 4.012+/-0.228 χ^2/NDF: 1767.3/42

All: 3.686+/-0.162 χ^2/NDF: 3411.5/86

\- sign 3.350+/-0.231 χ^2/NDF: 1640.0/43



Right In: -0.295+/-0.034 χ^2/NDF: 369846.8/17

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

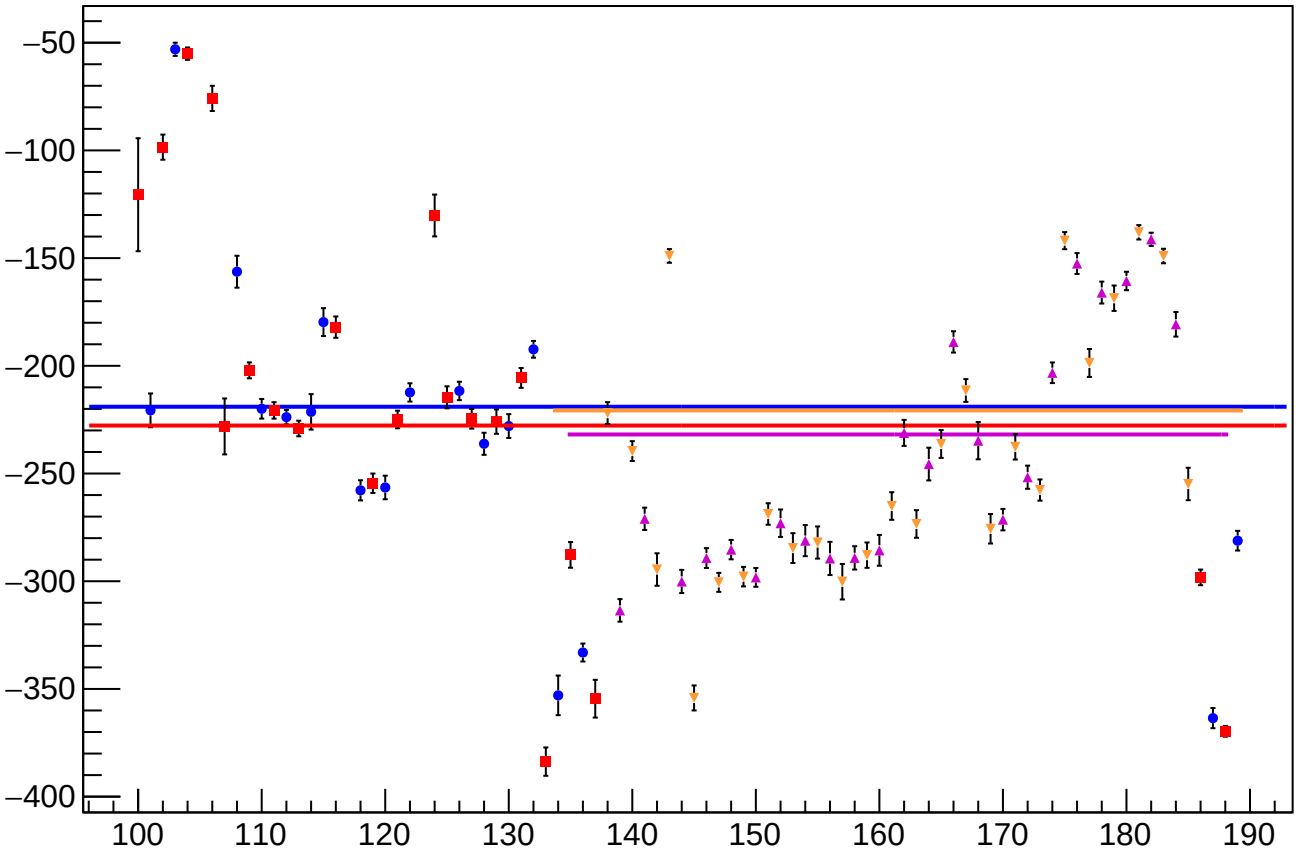
Right Out: 0.154+/-0.034 χ^2/NDF: 319404.2/20

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

+ sign 2.576+/-0.010 χ^2/NDF: 889892.1/42

All: 3.023+/-0.007 χ^2/NDF: 1456504.4/86

- sign 3.480+/-0.011 χ^2/NDF: 562918.3/43



Right In: -219.002+/-1.114 χ^2/NDF: 5321.9/17

Left Out: -220.723+/-1.018 χ^2/NDF:4052.2/24

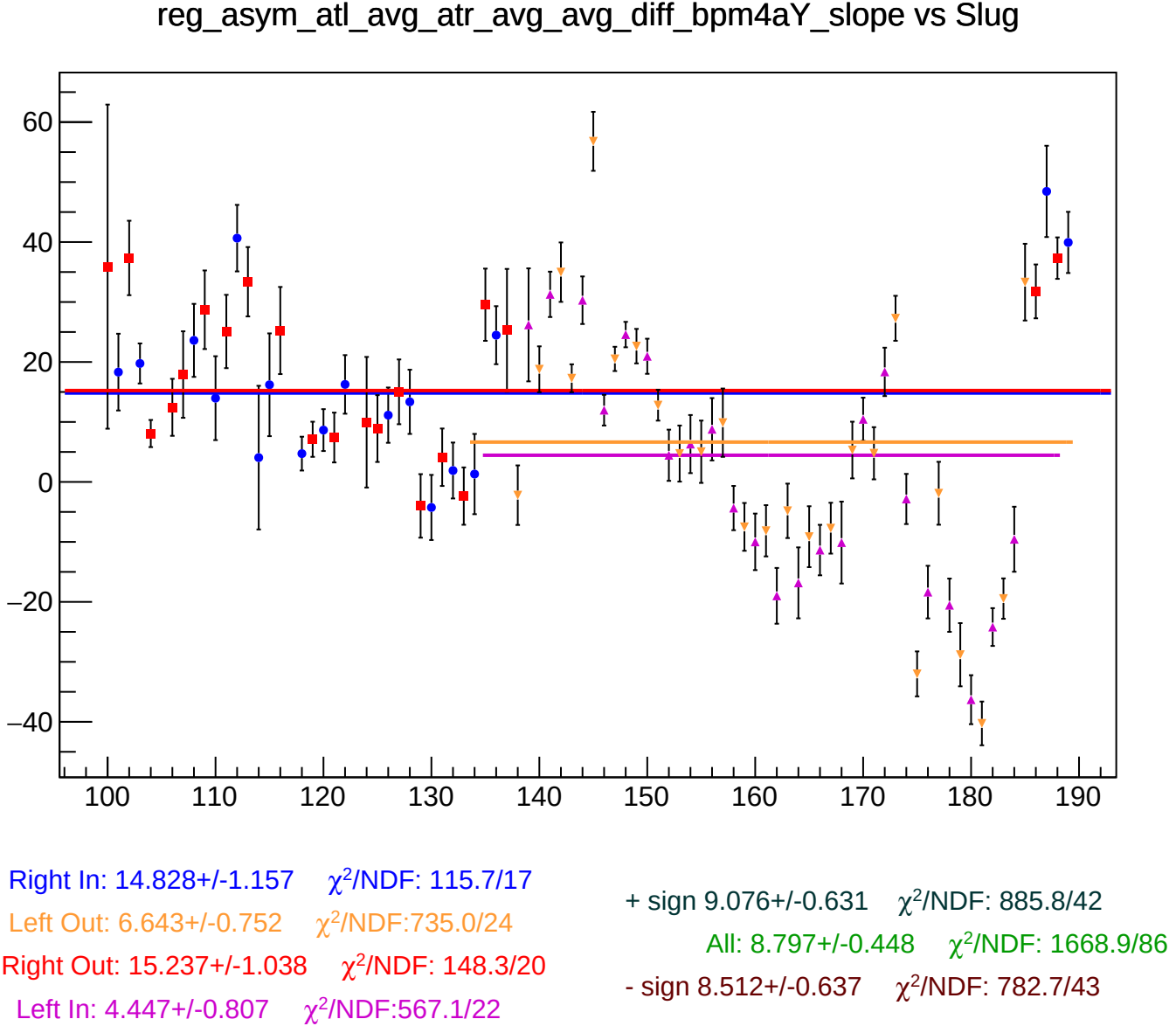
Right Out: -227.728+/-0.985 χ^2/NDF: 9567.3/20

Left In: -231.871+/-1.077 χ^2/NDF:3160.3/22

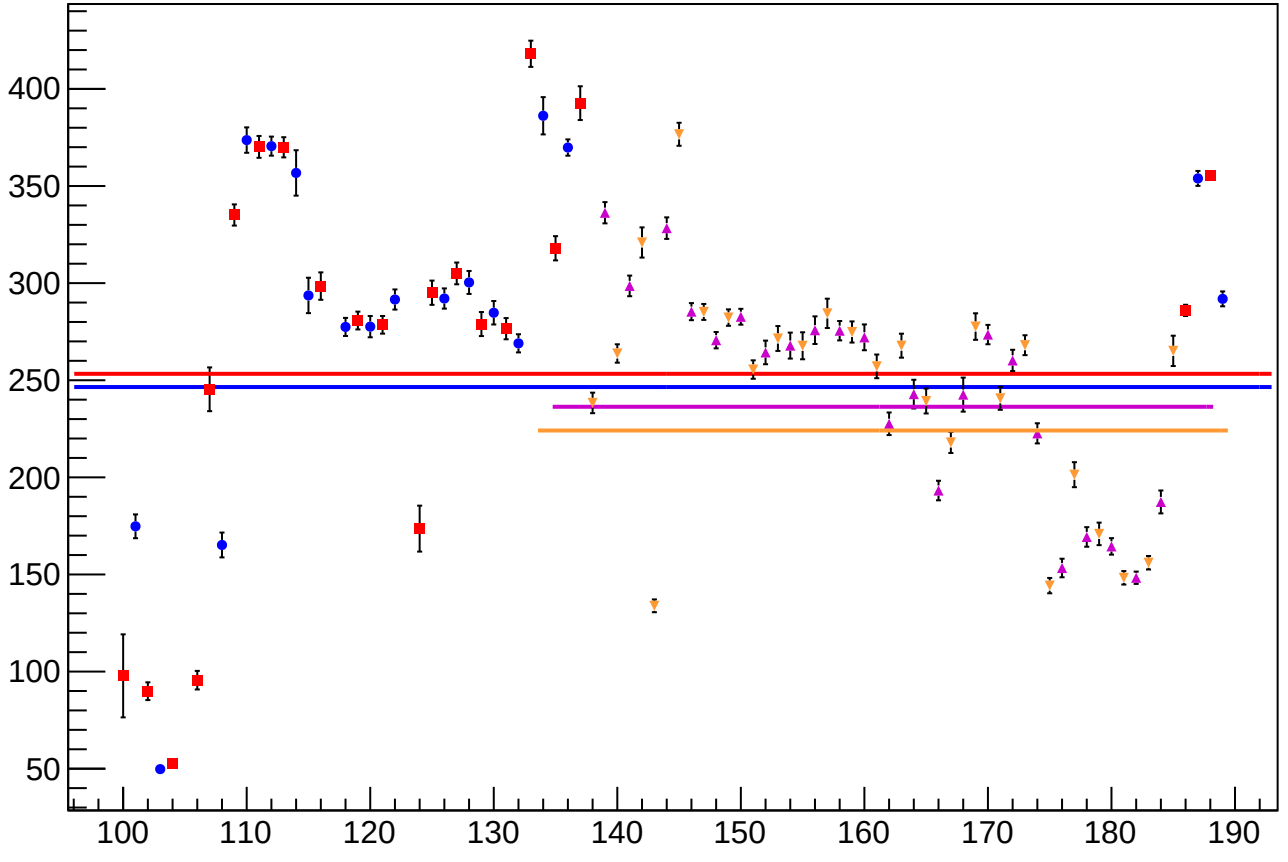
+ sign -219.940+/-0.752 χ^2/NDF: 9375.5/42

All: -224.938+/-0.523 χ^2/NDF: 22196.8/86

- sign -229.616+/-0.727 χ^2/NDF: 12735.7/43


reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug
60
40
20
0
−20
−40
100
110
120
130
140
150
160
170
180
190
Right In: 14.828+/-1.157 χ²/NDF: 115.7/17
Left Out: 6.643+/-0.752 χ²/NDF:735.0/24
Right Out: 15.237+/-1.038 χ²/NDF: 148.3/20
Left In: 4.447+/-0.807 χ²/NDF:567.1/22
+ sign 9.076+/-0.631 χ²/NDF: 885.8/42
All: 8.797+/-0.448 χ²/NDF: 1668.9/86
- sign 8.512+/-0.637 χ²/NDF: 782.7/43

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 246.501+/-1.143 χ^2/NDF: 10464.7/17

Left Out: 224.123+/-1.014 χ^2/NDF:3966.6/24

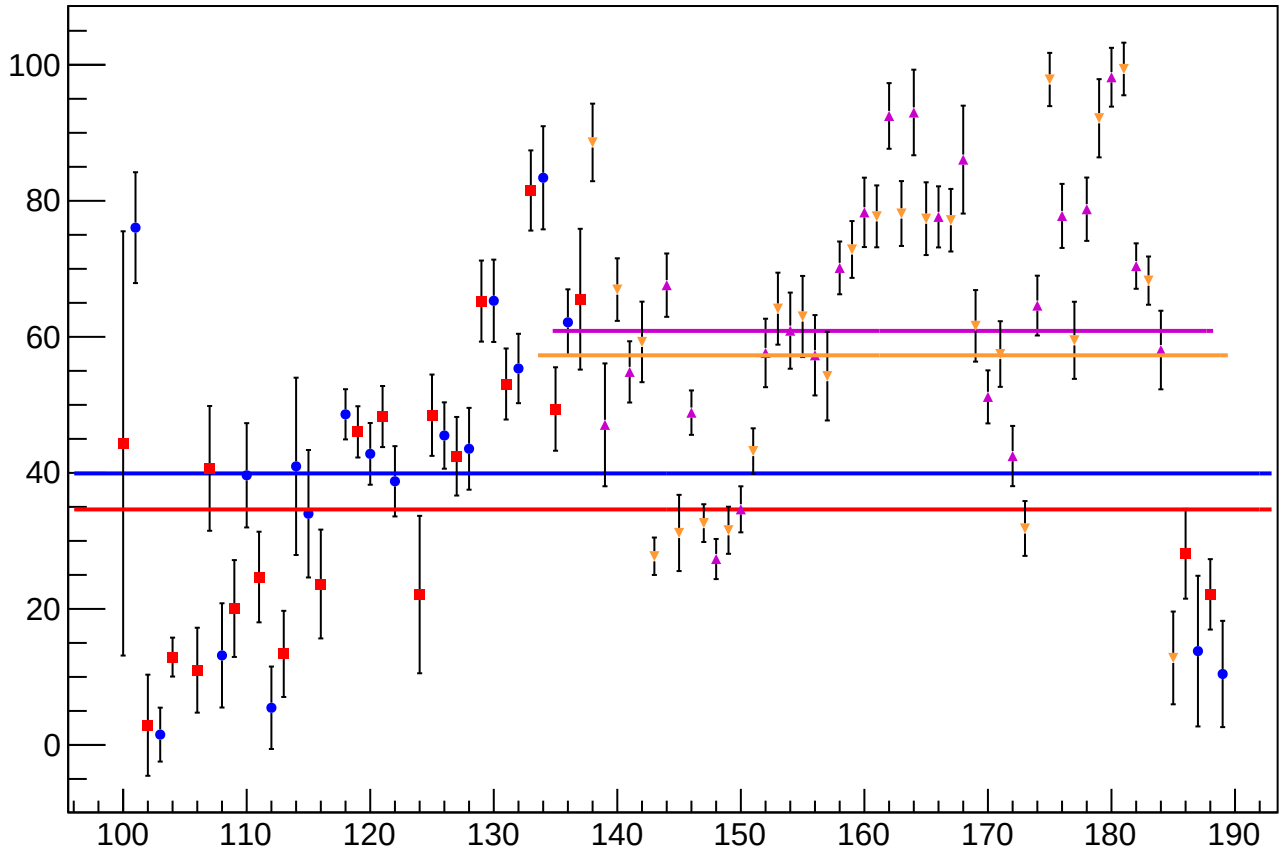
Right Out: 253.312+/-0.968 χ^2/NDF: 15401.6/20

Left In: 236.342+/-1.066 χ^2/NDF:2992.9/22

+ sign 233.977+/-0.758 χ^2/NDF: 14646.0/42

All: 240.140+/-0.521 χ^2/NDF: 33304.4/86

- sign 245.647+/-0.717 χ^2/NDF: 18533.3/43



Right In: 39.922+/-1.365 χ^2/NDF: 266.5/17

Left Out: 57.288+/-0.868 χ^2/NDF:767.9/24

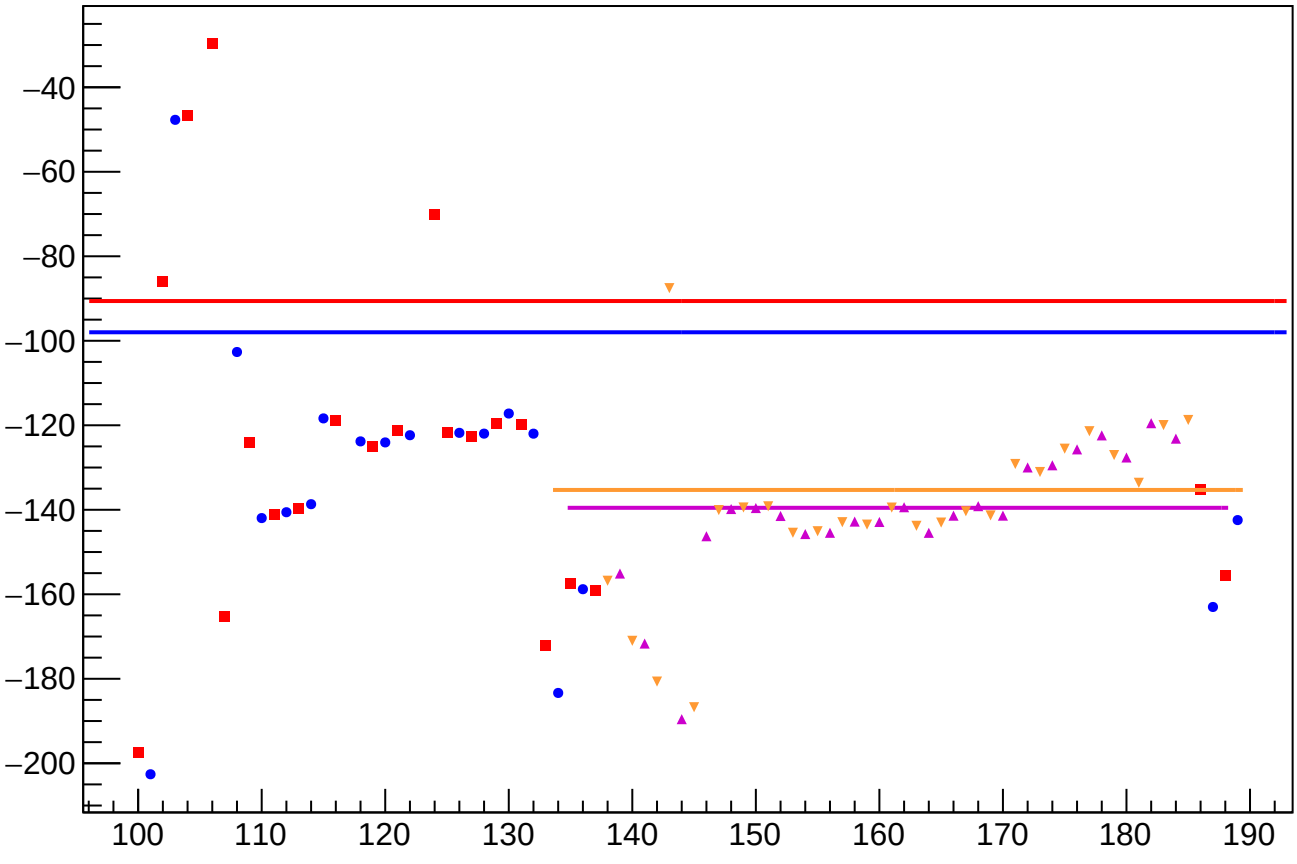
Right Out: 34.625+/-1.253 χ^2/NDF: 260.6/20

Left In: 60.877+/-0.923 χ^2/NDF:454.7/22

+ sign 52.289+/-0.732 χ^2/NDF: 1149.6/42

All: 51.974+/-0.522 χ^2/NDF: 2150.0/86

- sign 51.649+/-0.743 χ^2/NDF: 1000.0/43



Right In: -97.988+/-0.068 χ^2/NDF: 548000.7/17

Left Out: -135.305+/-0.041 χ^2/NDF:262874.5/24

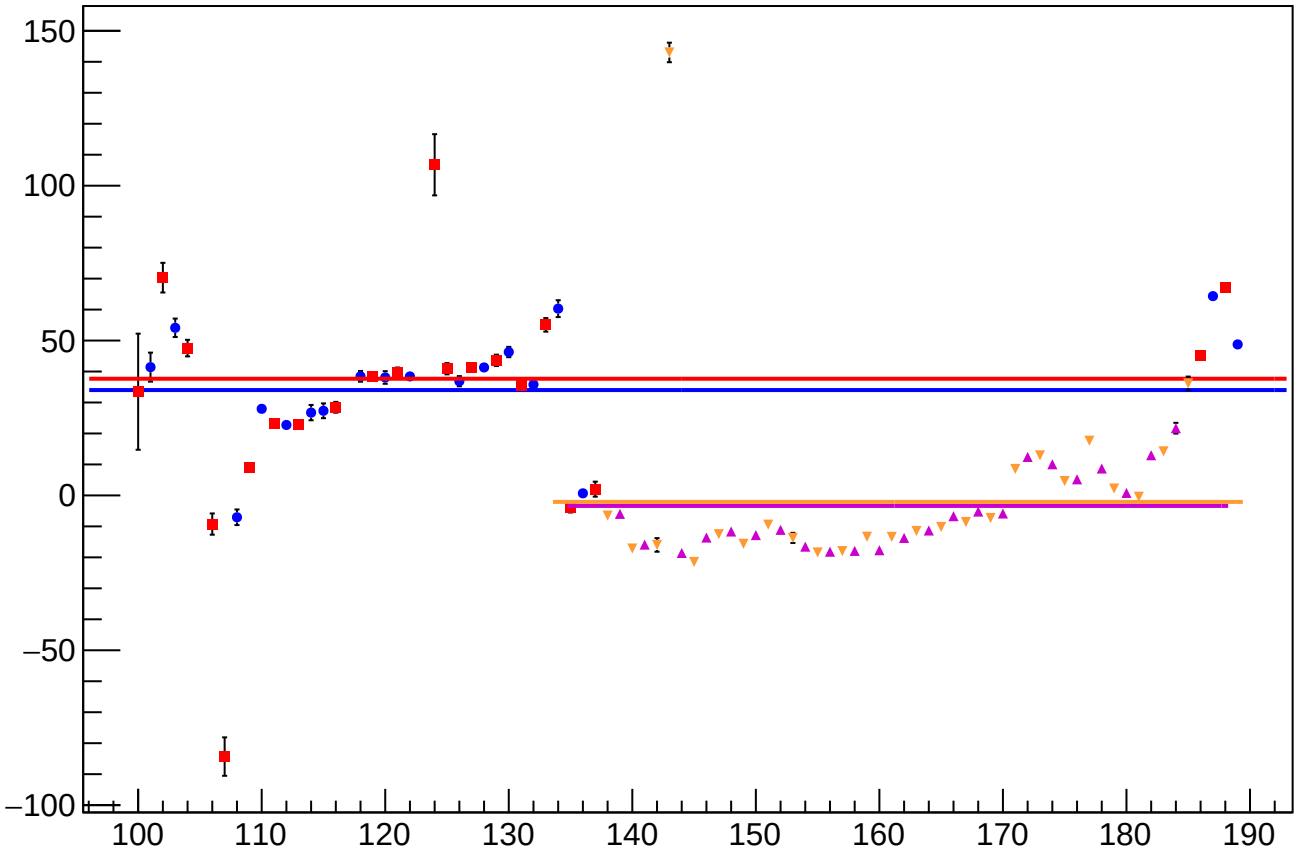
Right Out: -90.593+/-0.064 χ^2/NDF: 554479.5/20

Left In: -139.533+/-0.042 χ^2/NDF:114482.7/22

+ sign -125.454+/-0.035 χ^2/NDF: 1034163.2/42

All: -125.165+/-0.025 χ^2/NDF: 2107983.6/86

- sign -124.869+/-0.035 χ^2/NDF: 1073680.9/43



Right In: 34.012+/-0.386 χ^2/NDF: 2151.2/17

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

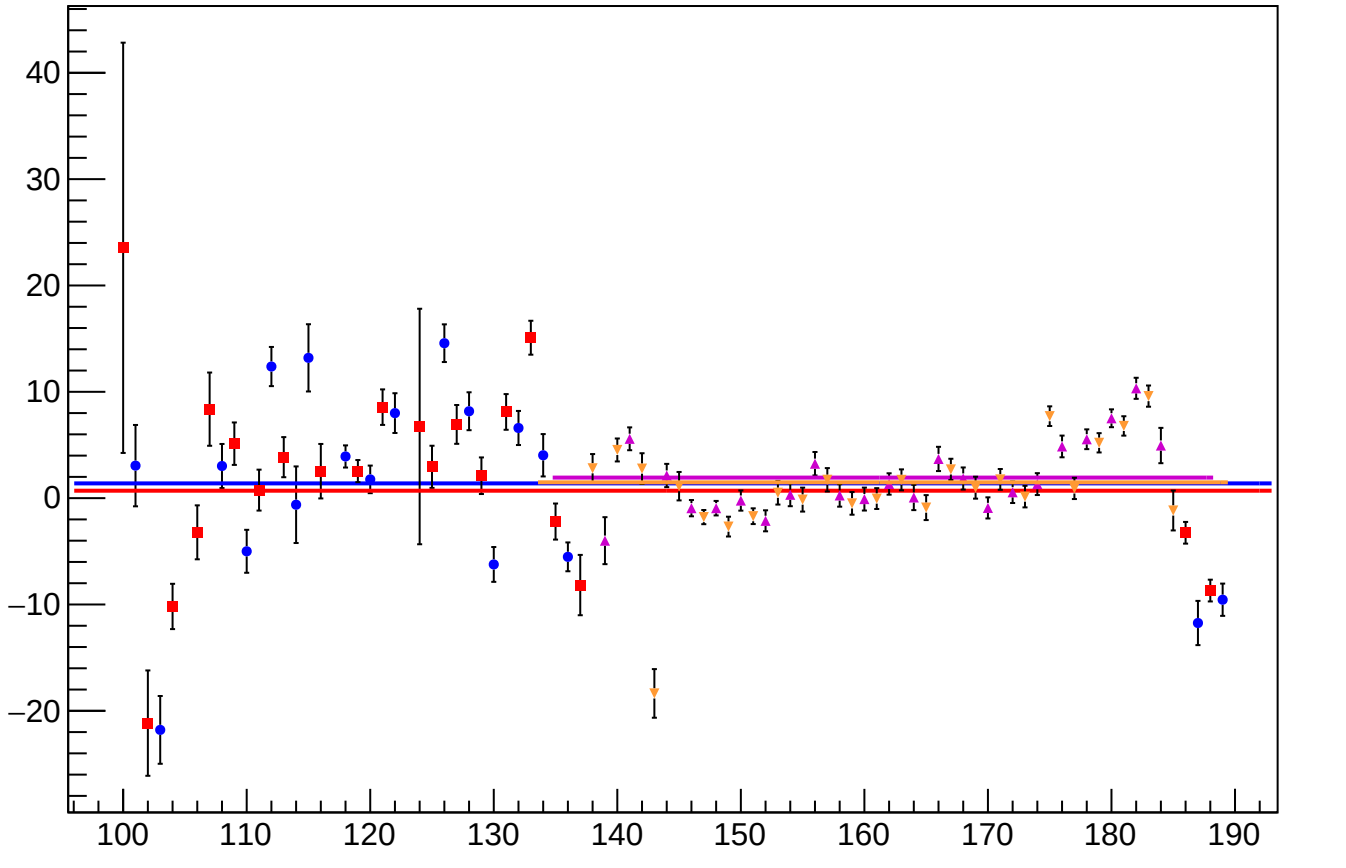
Right Out: 37.674+/-0.331 χ^2/NDF: 4291.8/20

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

\+ sign 9.577+/-0.219 χ^2/NDF: 12271.7/42

All: 11.420+/-0.152 χ^2/NDF: 27654.8/86

\- sign 13.104+/-0.210 χ^2/NDF: 15248.2/43



Right In: 1.388+/-0.416 χ^2/NDF: 353.7/17

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

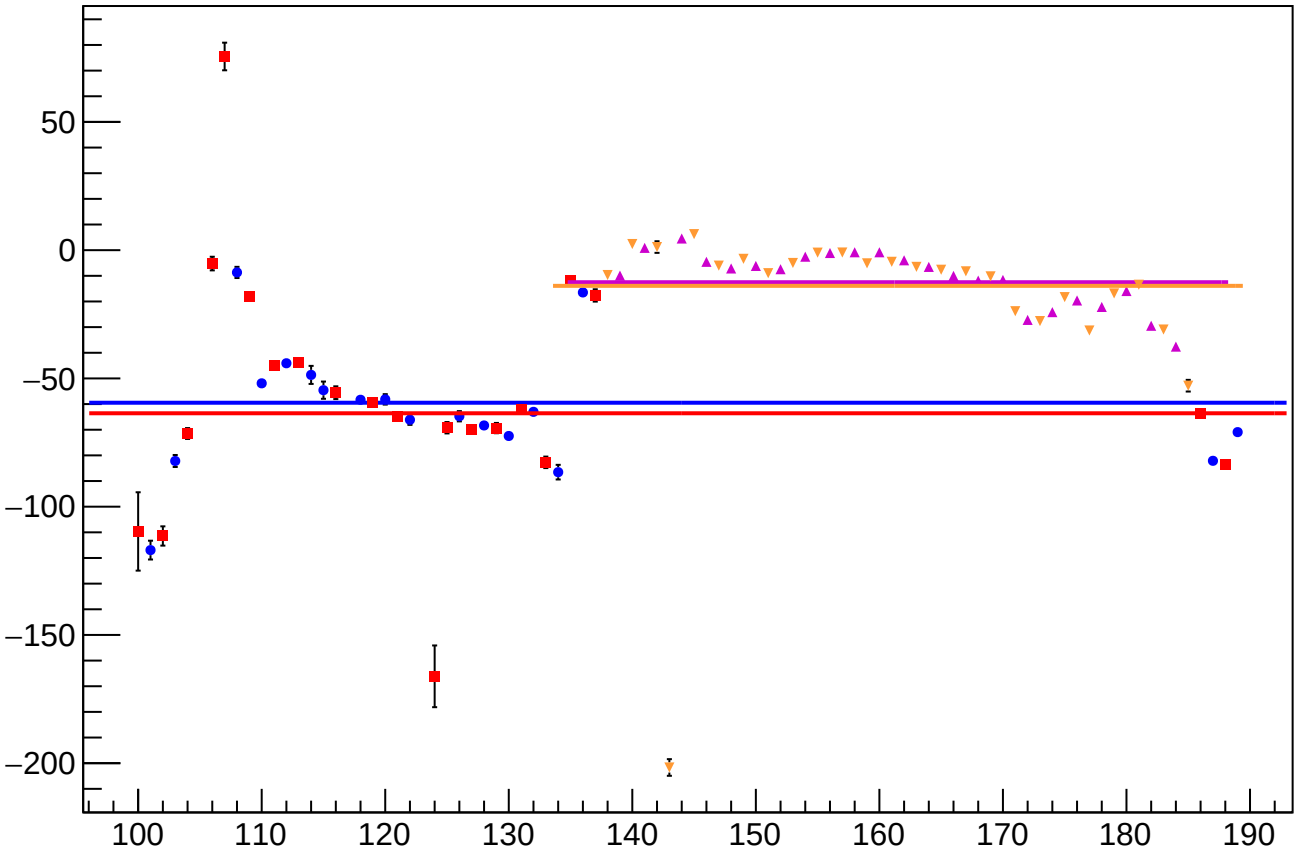
Right Out: 0.700+/-0.384 χ^2/NDF: 314.5/20

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

+ sign 1.469+/-0.184 χ^2/NDF: 682.3/42

All: 1.558+/-0.130 χ^2/NDF: 1245.9/86

- sign 1.649+/-0.185 χ^2/NDF: 563.1/43



Right In: -59.475+/-0.412 χ^2/NDF: 3103.9/17

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

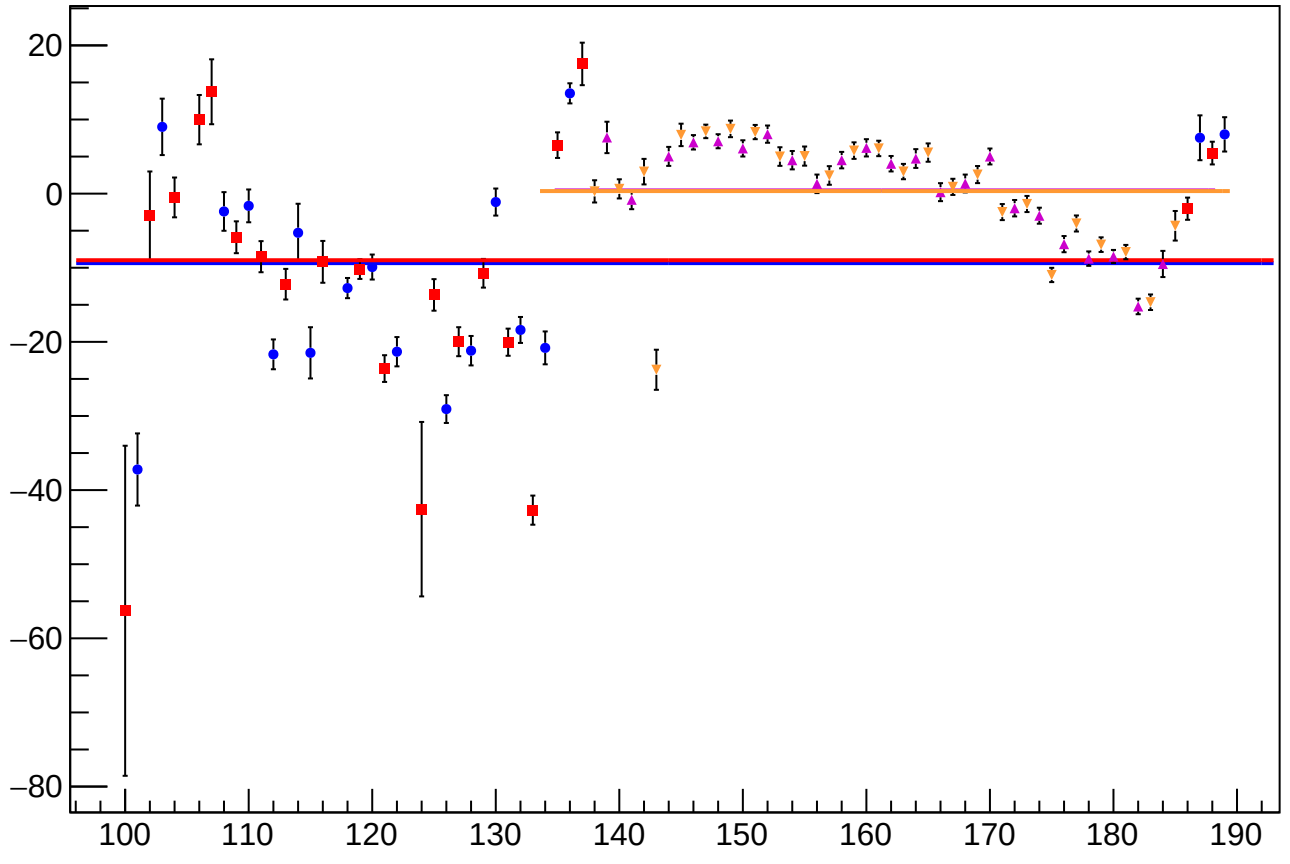
Right Out: -63.583+/-0.329 χ^2/NDF: 4922.8/20

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

+ sign -27.215+/-0.223 χ^2/NDF: 16886.1/42

All: -30.250+/-0.152 χ^2/NDF: 38029.0/86

- sign -32.903+/-0.208 χ^2/NDF: 20794.9/43



Right In: -9.376+/-0.487 χ^2/NDF: 760.4/17

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

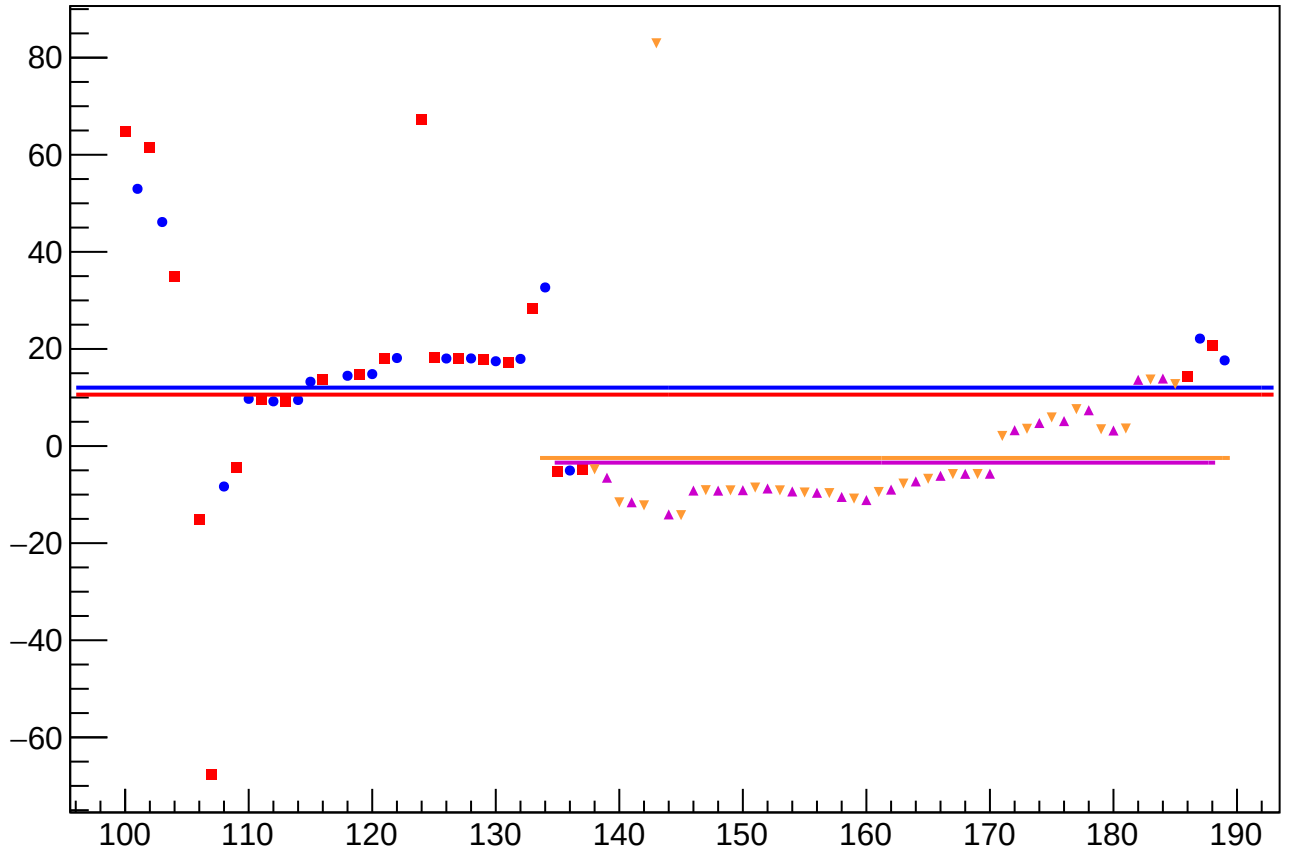
Right Out: -8.986+/-0.465 χ^2/NDF: 799.0/20

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

\+ sign -1.442+/-0.209 χ^2/NDF: 2007.0/42

All: -1.473+/-0.148 χ^2/NDF: 3914.1/86

\- sign -1.505+/-0.211 χ^2/NDF: 1907.1/43



Right In: 12.036+/-0.028 χ^2/NDF: 356350.3/17

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

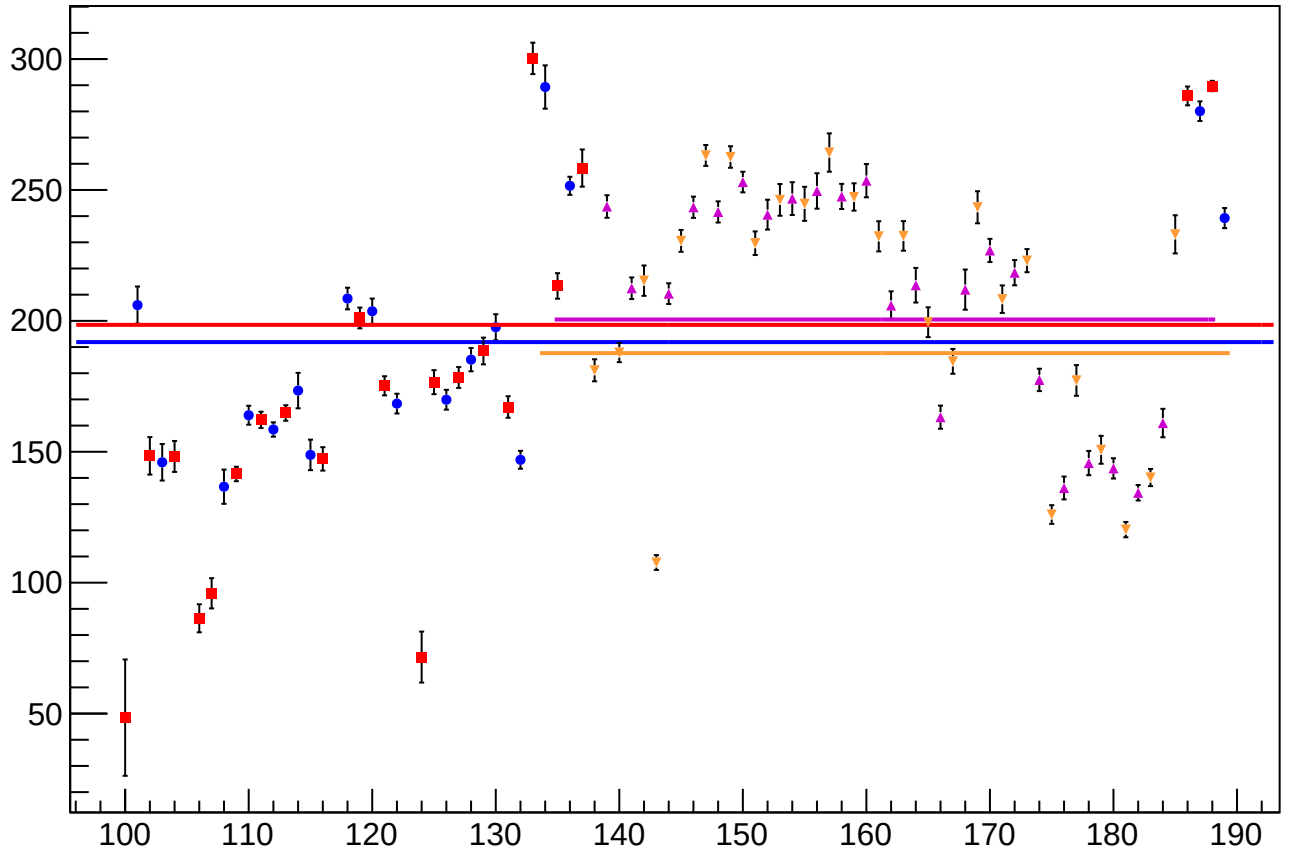
Right Out: 10.594+/-0.028 χ^2/NDF: 457213.9/20

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

\+ sign -0.753+/-0.010 χ^2/NDF: 1547855.7/42

All: -1.239+/-0.007 χ^2/NDF: 2773800.2/86

\- sign -1.731+/-0.010 χ^2/NDF: 1220924.8/43



Right In: 191.889+/-1.010 χ^2/NDF: 1805.5/17

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

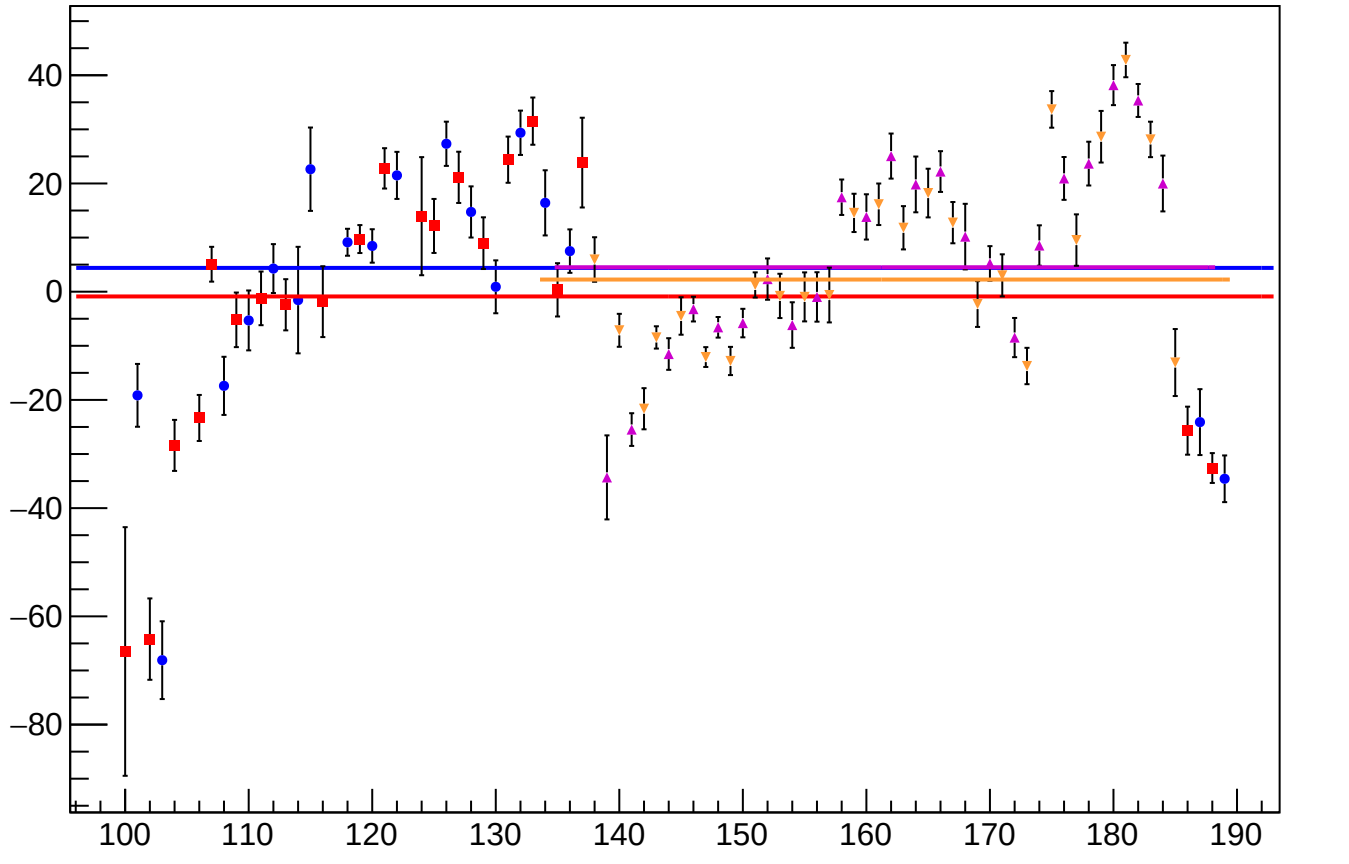
Right Out: 198.477+/-0.879 χ^2/NDF: 5150.3/20

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 189.538+/-0.671 χ^2/NDF: 5343.5/42

All: 194.656+/-0.466 χ^2/NDF: 12720.0/86

- sign 199.415+/-0.647 χ^2/NDF: 7264.2/43



Right In: 4.396+/-1.061 χ^2/NDF: 346.5/17

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

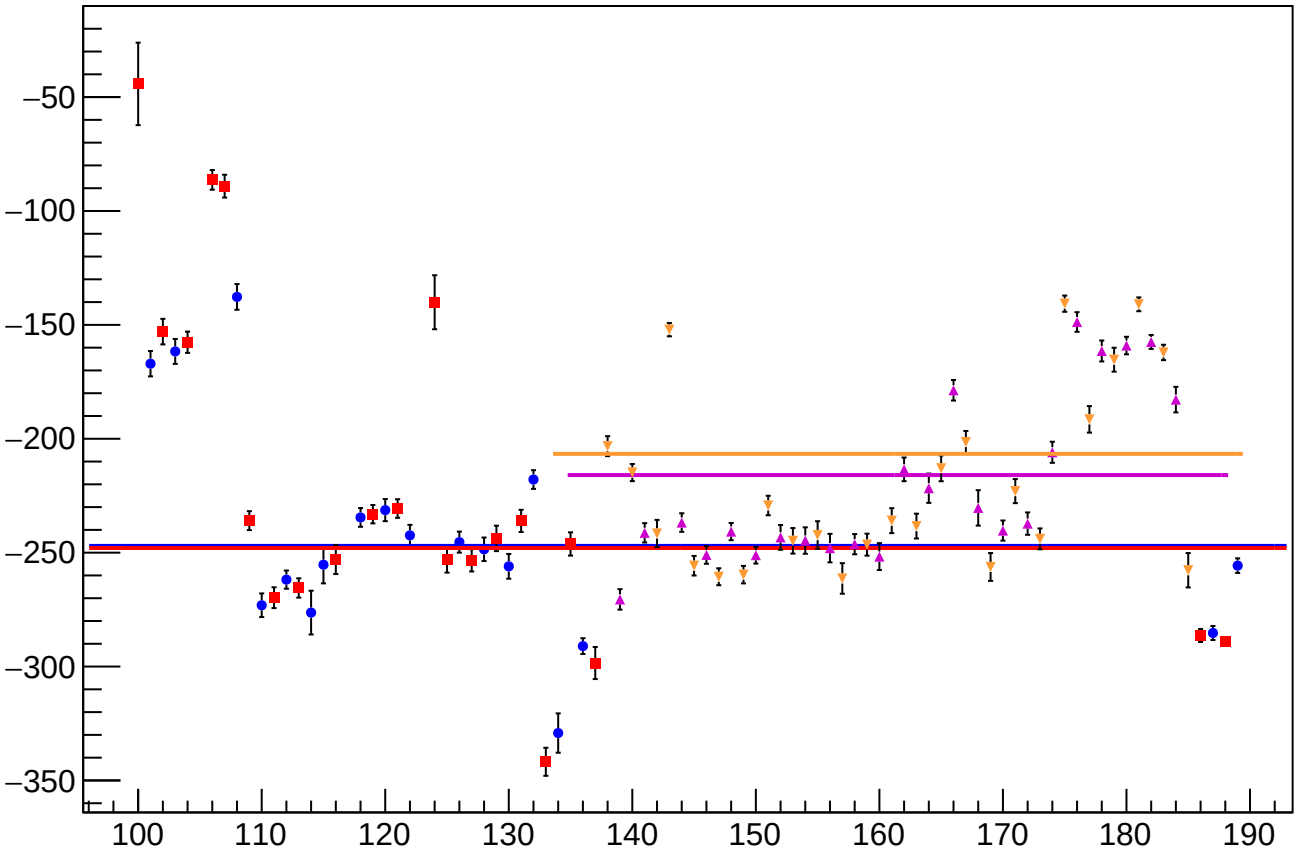
Right Out: -0.880+/-0.967 χ^2/NDF: 499.6/20

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign 2.851+/-0.563 χ^2/NDF: 950.3/42

All: 2.733+/-0.402 χ^2/NDF: 2017.3/86

- sign 2.610+/-0.575 χ^2/NDF: 1066.8/43



Right In: -247.036+/-1.086 χ^2/NDF: 1360.6/17

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

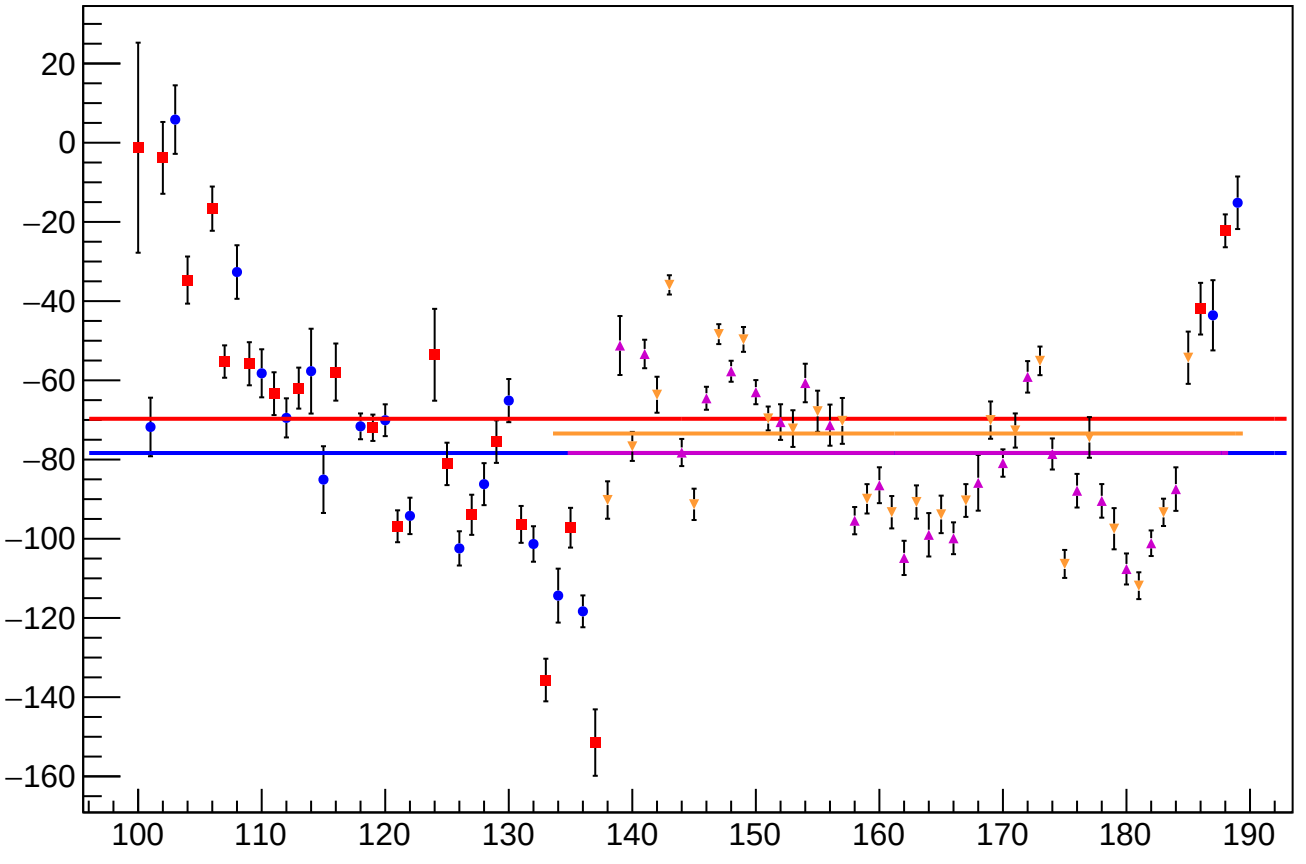
Right Out: -247.949+/-0.898 χ^2/NDF: 4494.4/20

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -222.961+/-0.691 χ^2/NDF: 4653.6/42

All: -228.161+/-0.474 χ^2/NDF: 11569.6/86

- sign -232.786+/-0.651 χ^2/NDF: 6808.9/43



Right In: -78.351+/-1.251 χ^2/NDF: 478.5/17

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

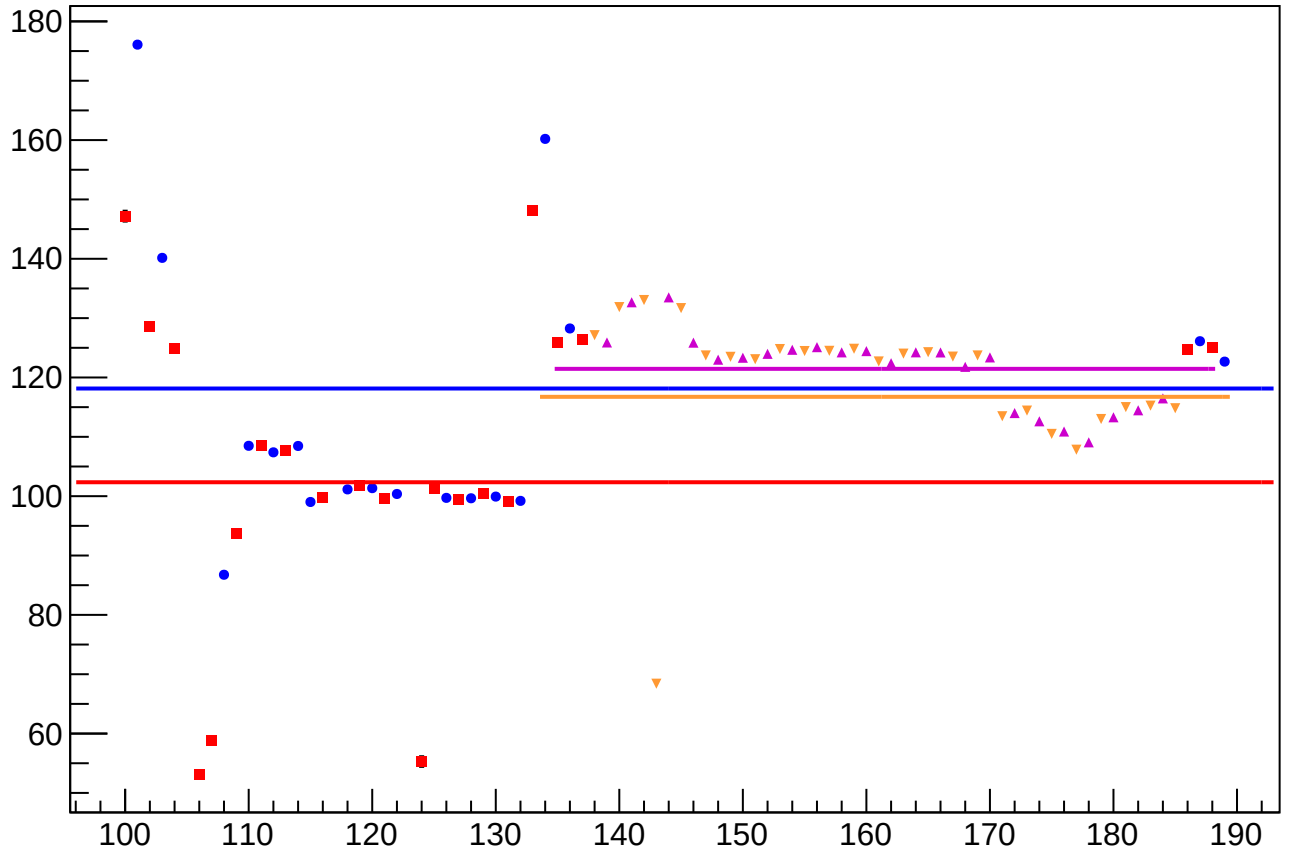
Right Out: -69.707+/-1.161 χ^2/NDF: 743.0/20

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

\+ sign -74.772+/-0.654 χ^2/NDF: 1326.3/42

All: -75.114+/-0.467 χ^2/NDF: 2550.0/86

\- sign -75.471+/-0.668 χ^2/NDF: 1223.1/43



Right In: 118.141+/-0.075 χ^2/NDF: 95897.9/17

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

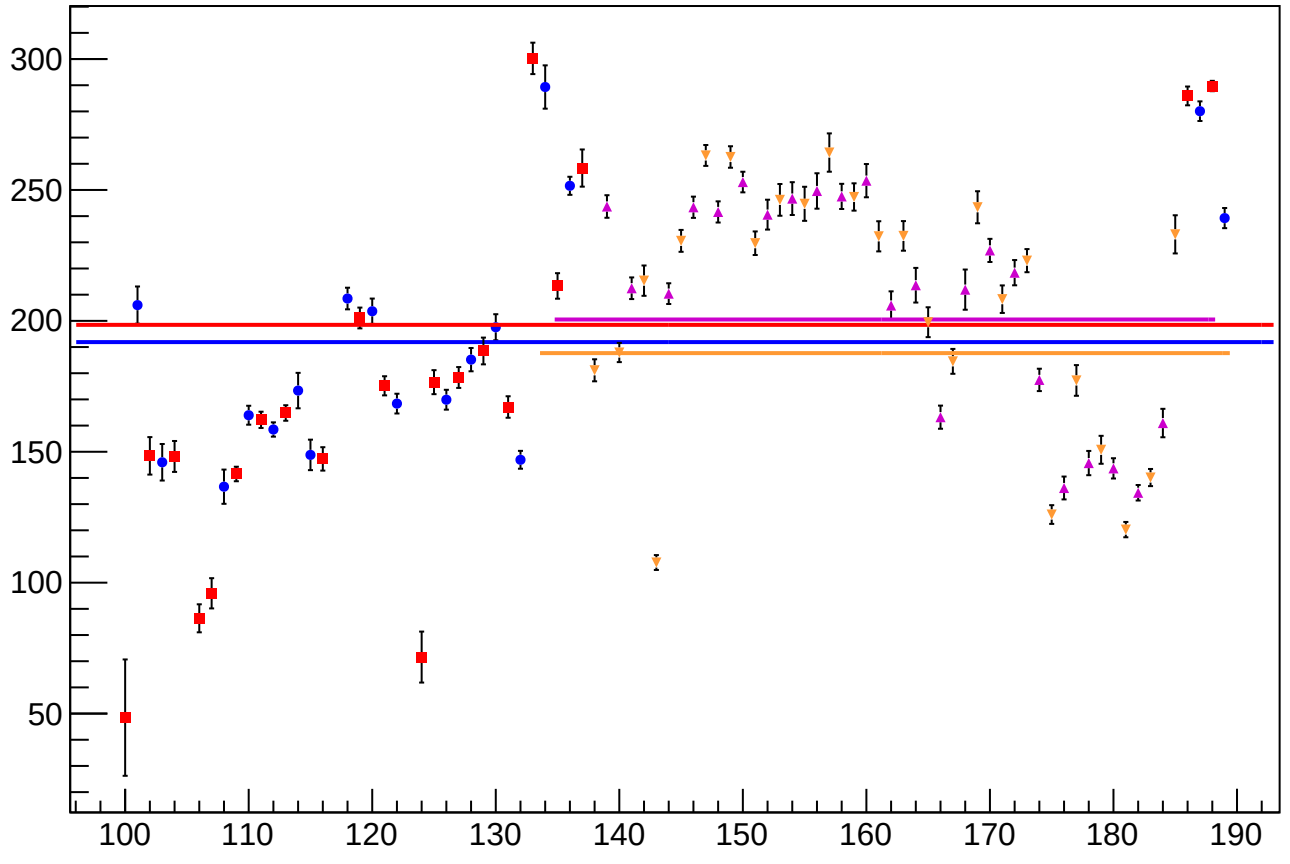
Right Out: 102.348+/-0.066 χ^2/NDF: 180303.8/20

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

\+ sign 117.000+/-0.032 χ^2/NDF: 299832.2/42

All: 116.939+/-0.023 χ^2/NDF: 571926.1/86

\- sign 116.877+/-0.032 χ^2/NDF: 272086.7/43



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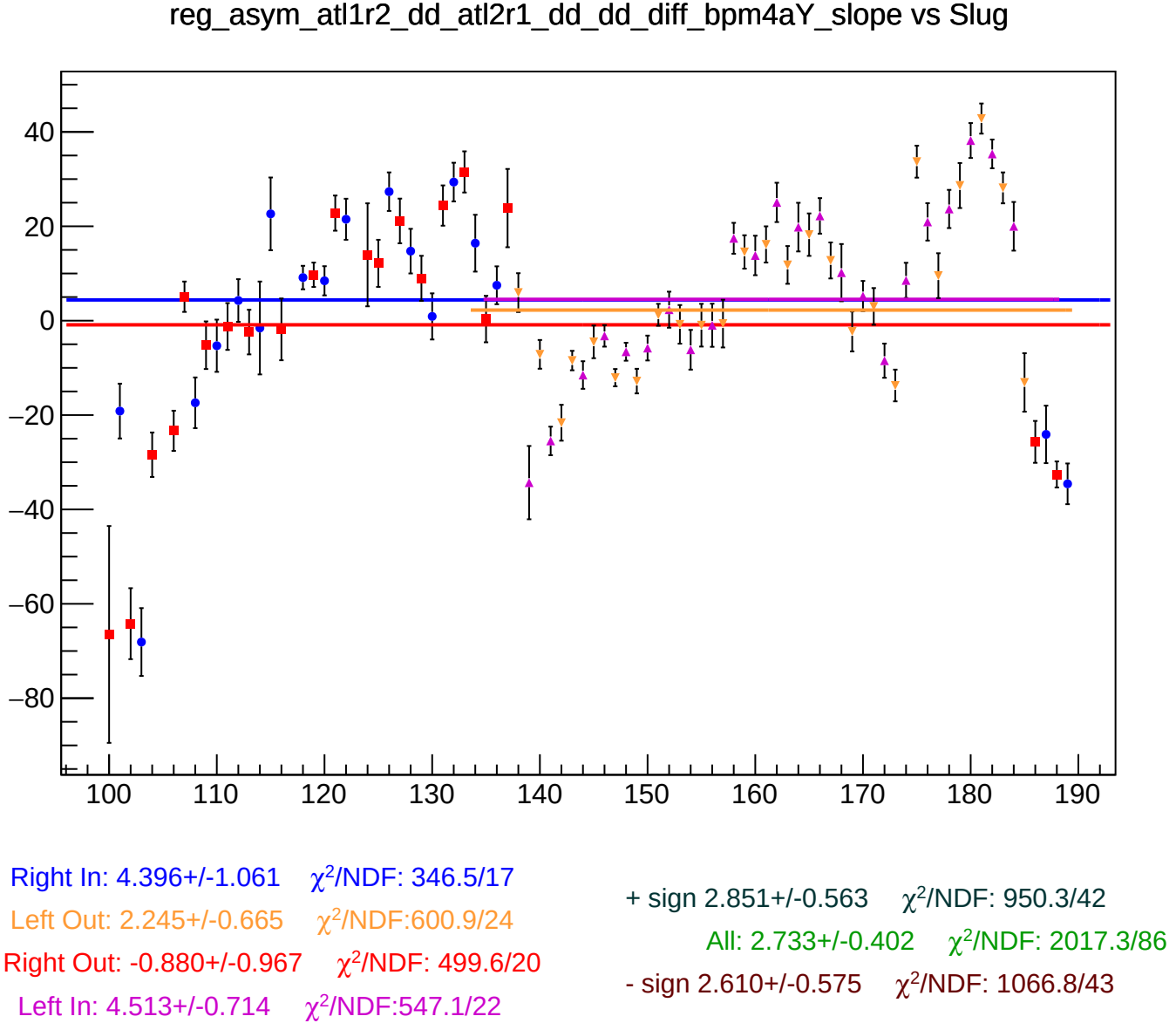
reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs Slug
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Right In: 4.396+/-1.061 χ²/NDF: 346.5/17
Left Out: 2.245+/-0.665 χ²/NDF:600.9/24
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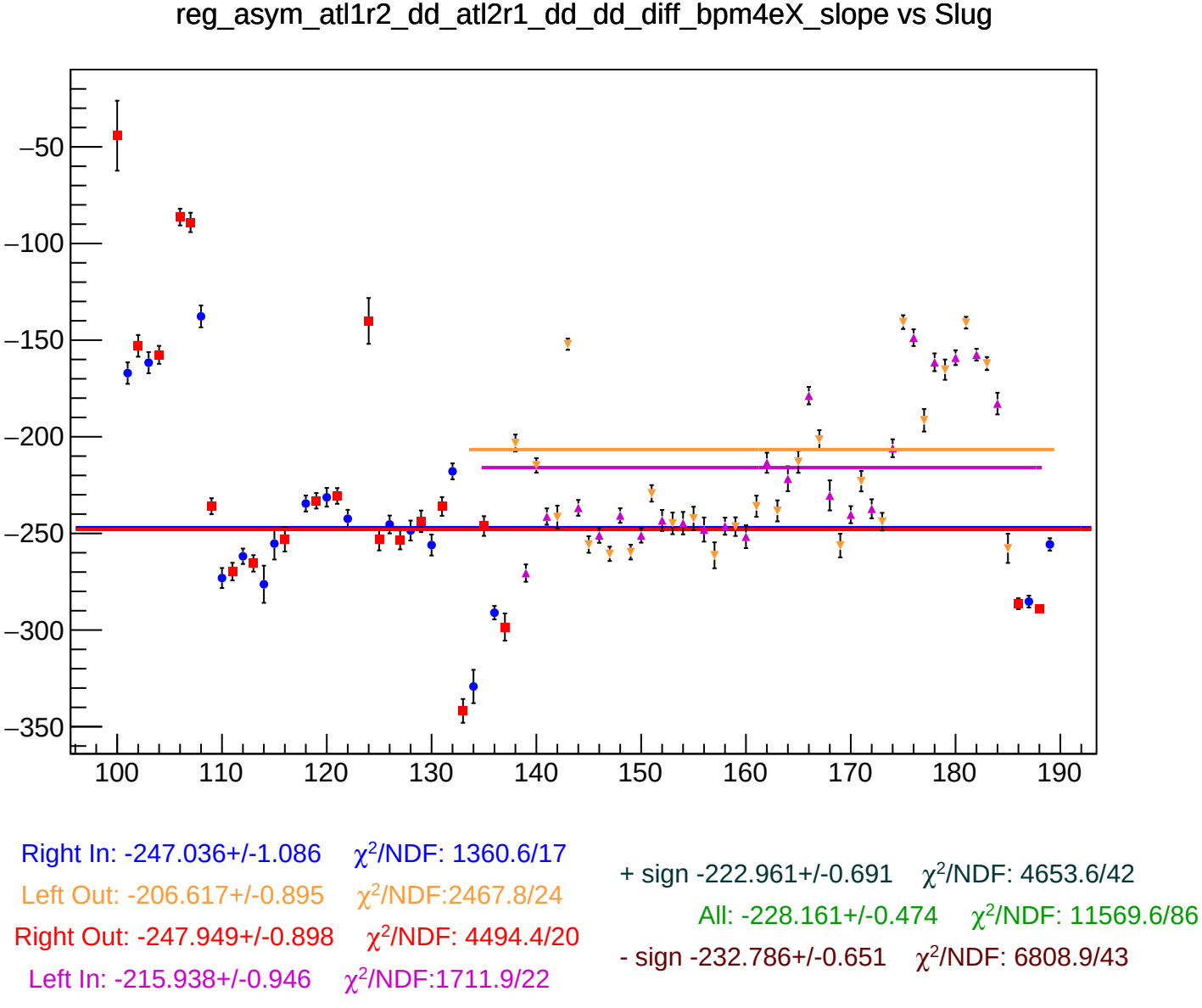
Left In: 4.513+/-0.714 χ²/NDF:547.1/22
+ sign 2.851+/-0.563 χ²/NDF: 950.3/42
All: 2.733+/-0.402 χ²/NDF: 2017.3/86
- sign 2.610+/-0.575 χ²/NDF: 1066.8/43


reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs Slug
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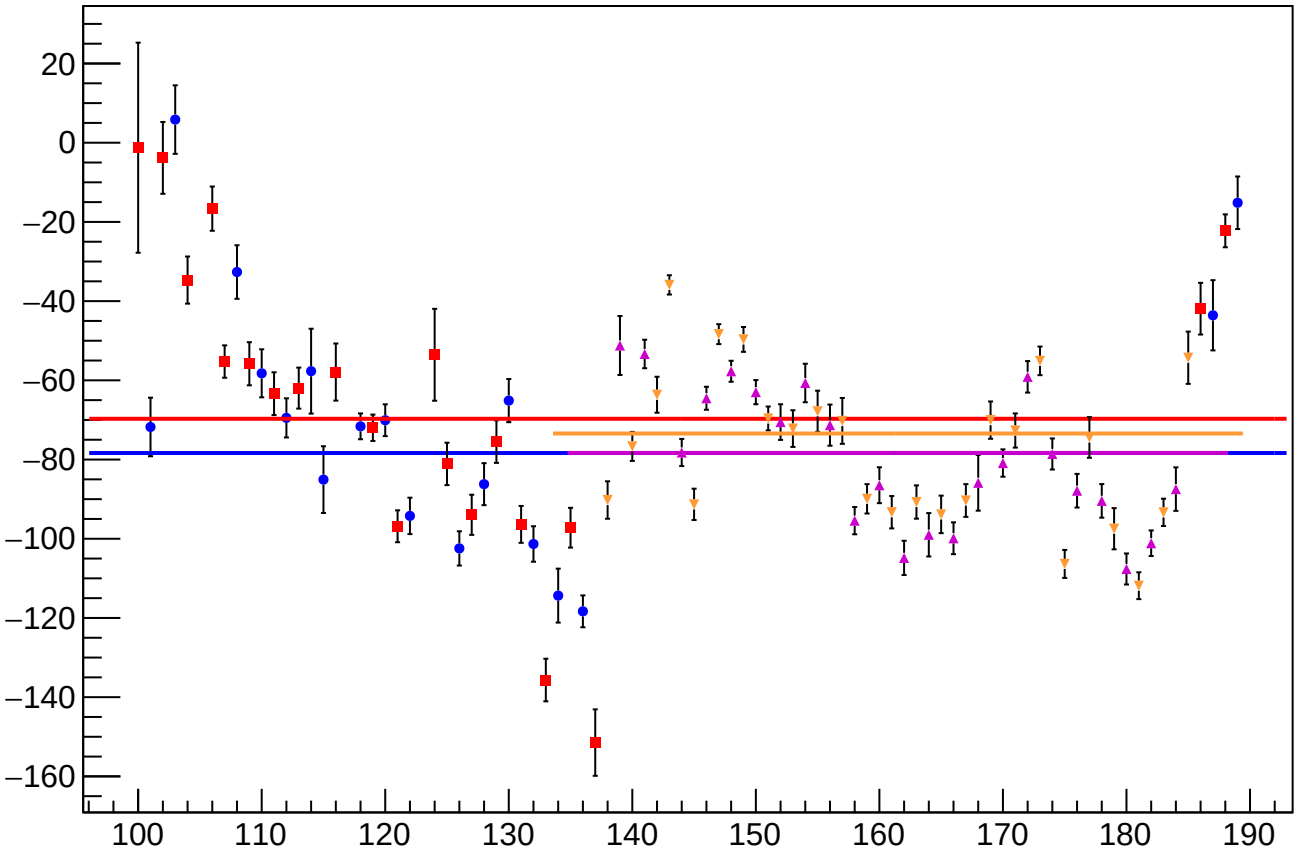

Right In: -78.351+/-1.251 χ^2/NDF: 478.5/17

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

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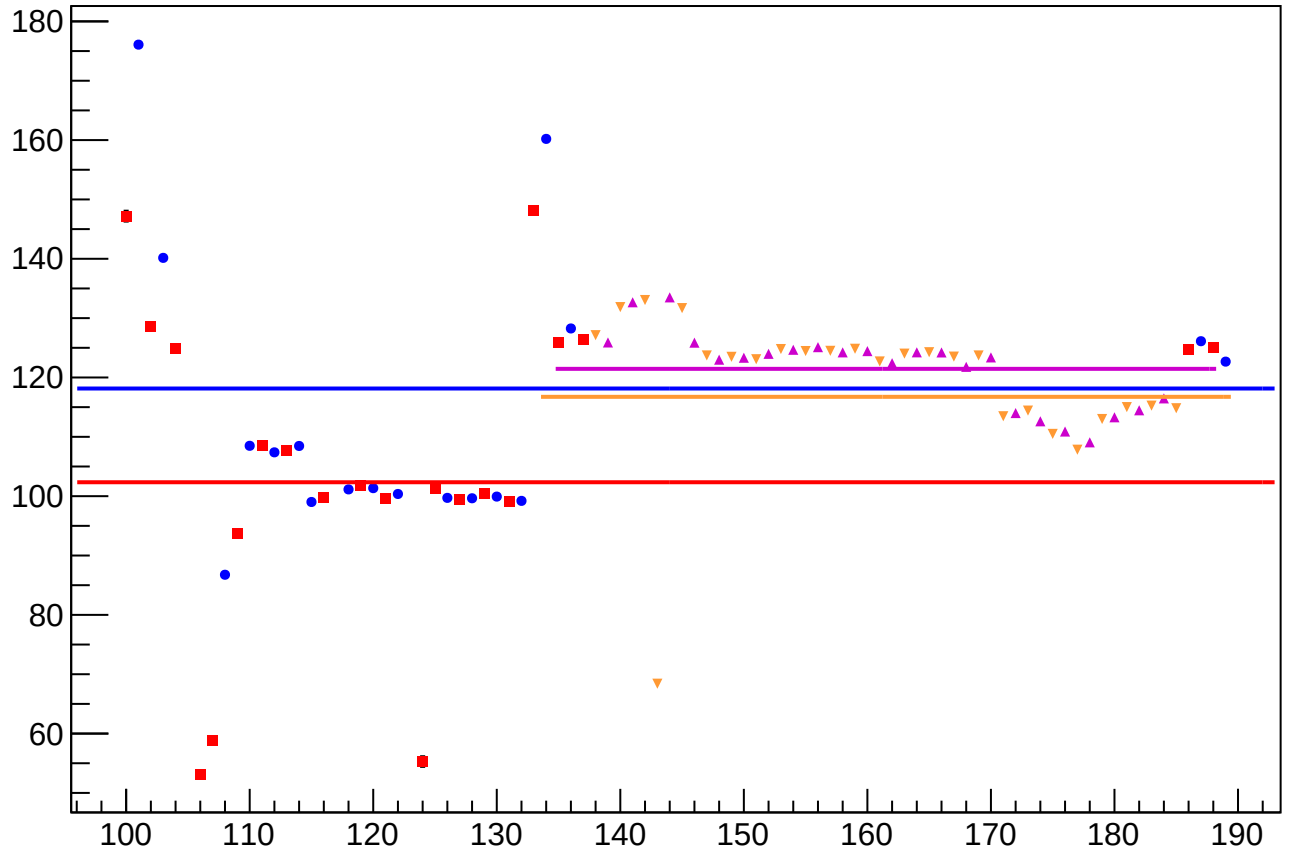

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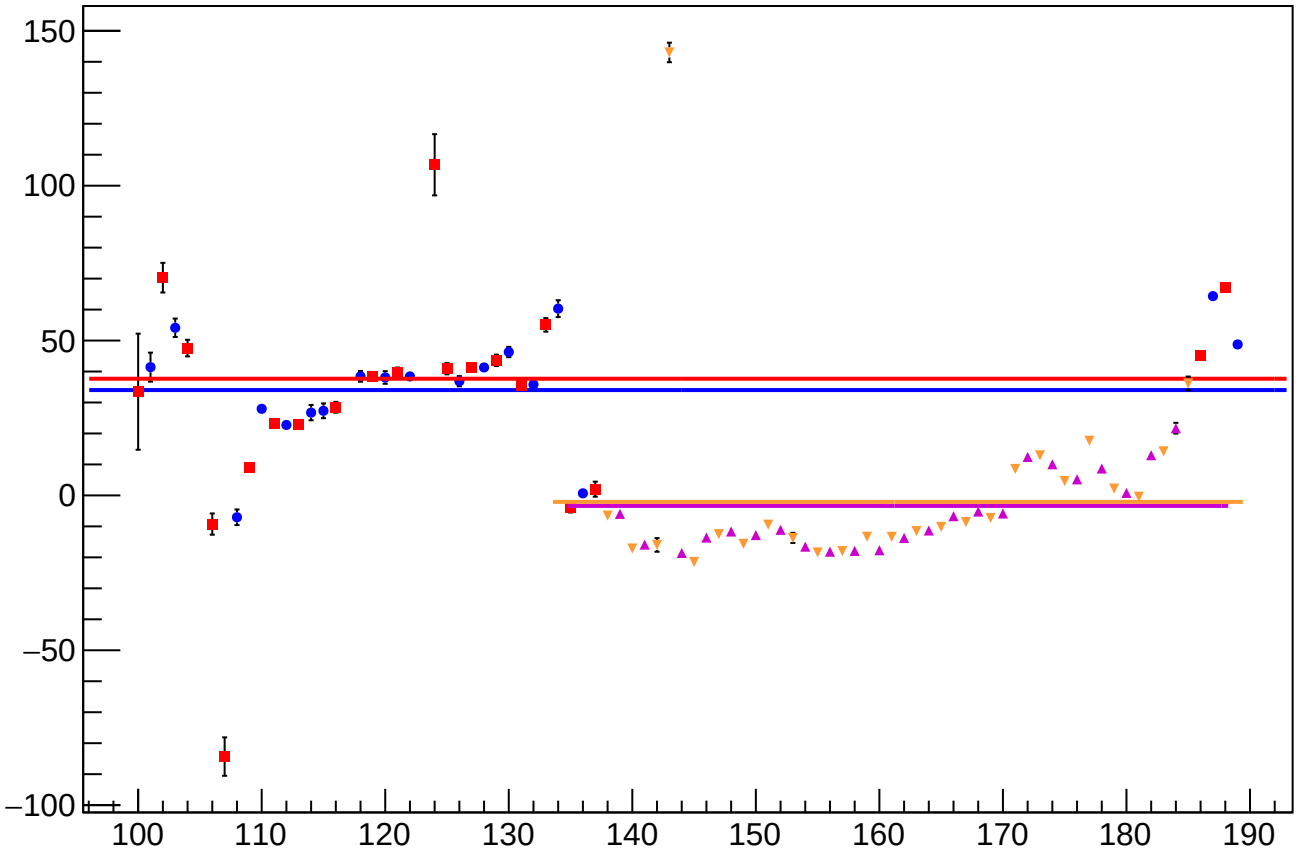

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Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

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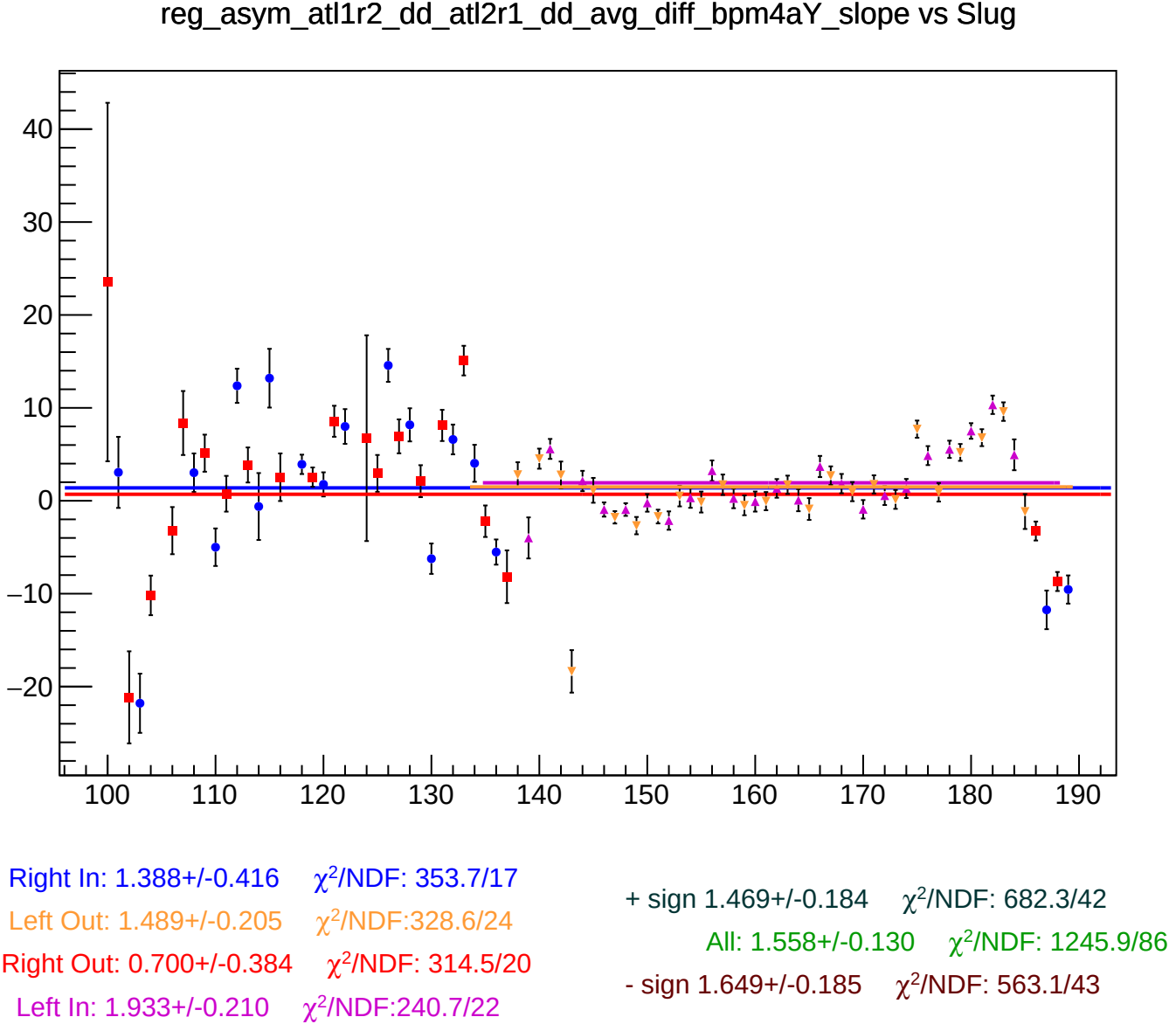
reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs Slug
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Right In: 1.388+/-0.416 χ²/NDF: 353.7/17
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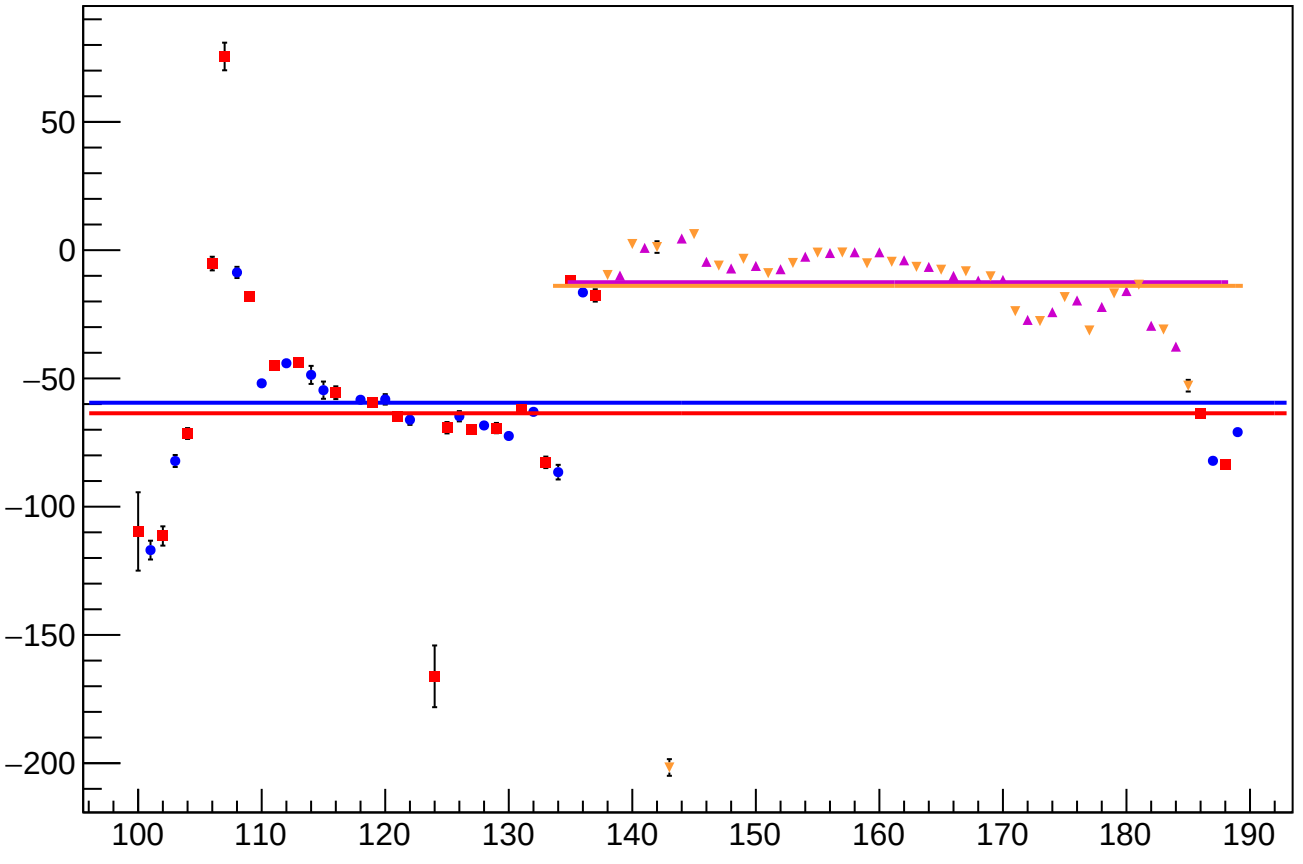

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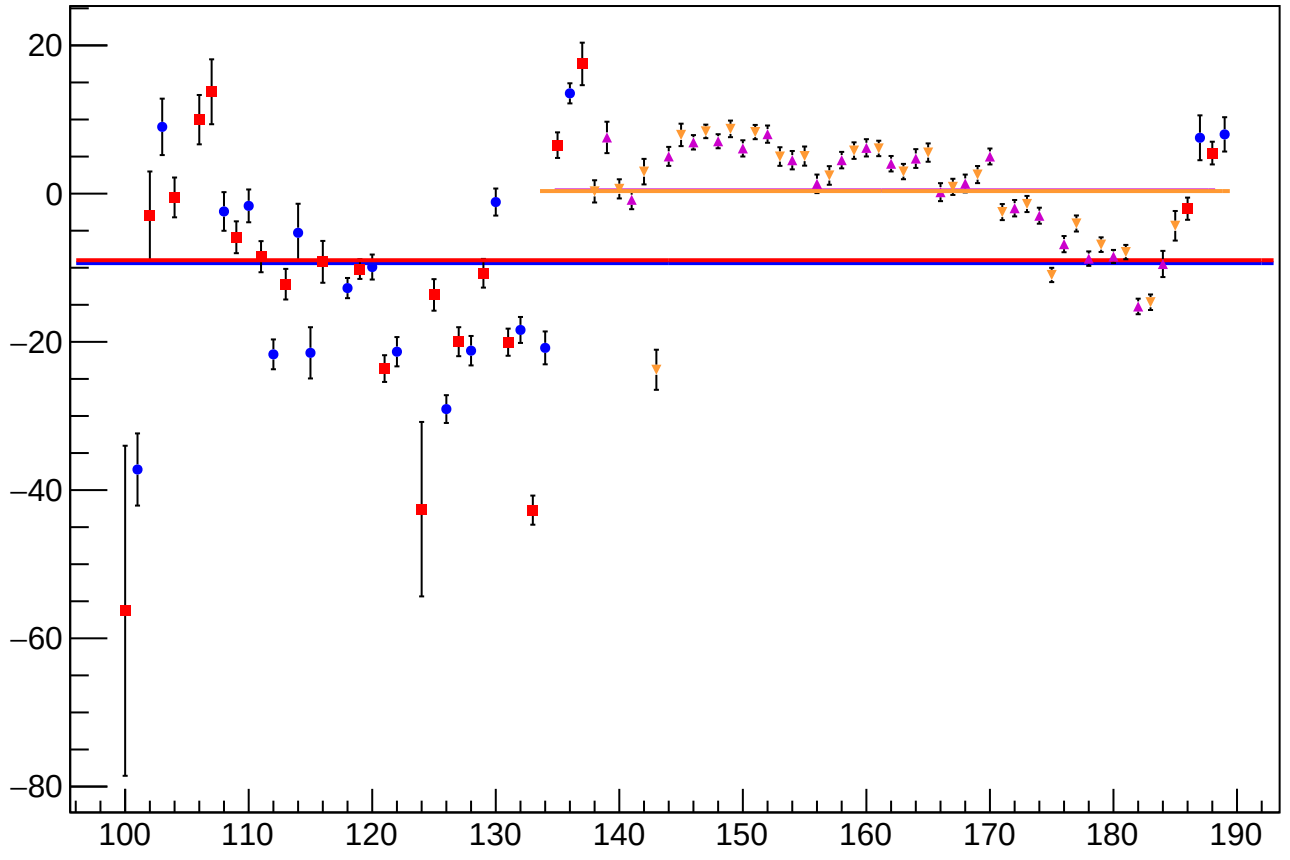

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Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

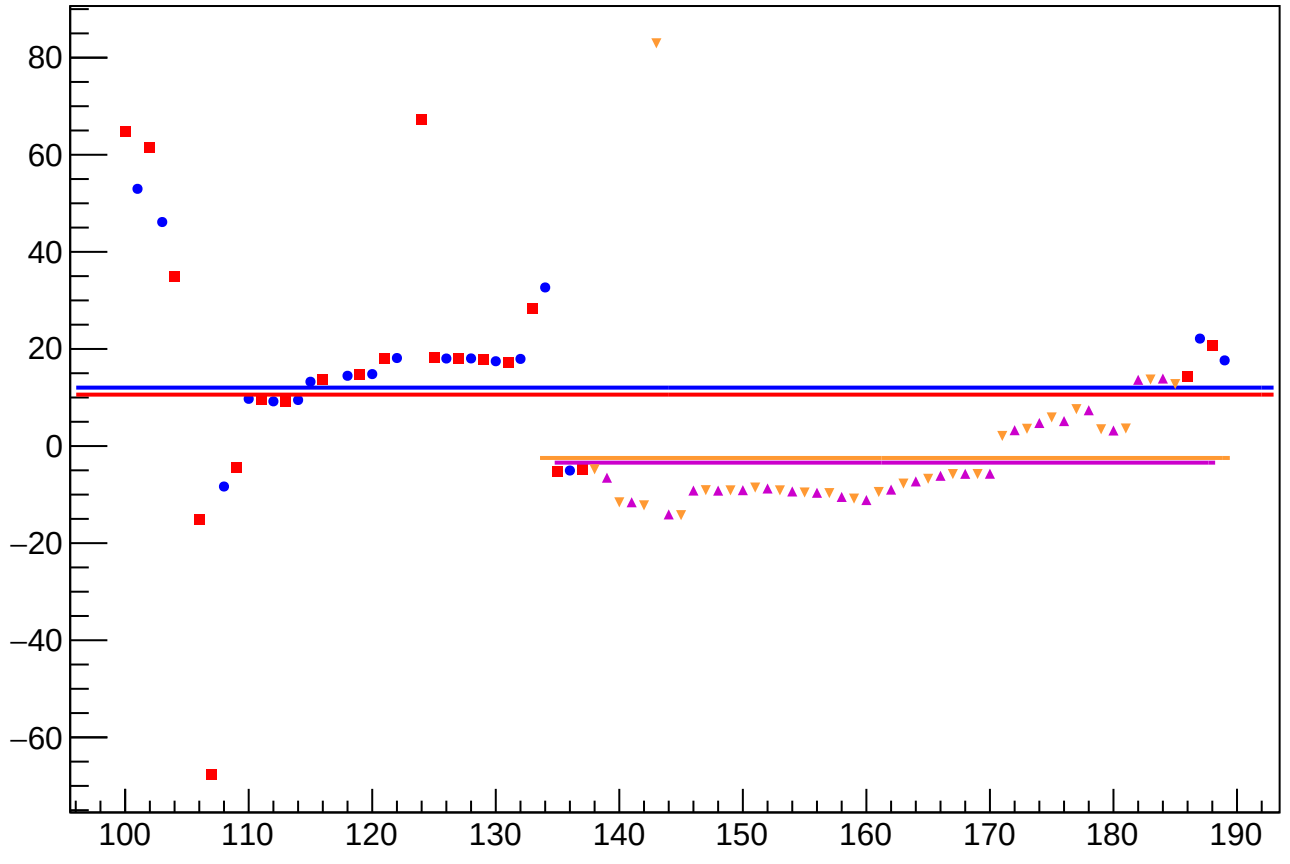
Right Out: -8.986+/-0.465 χ^2/NDF: 799.0/20

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

+ sign -1.442+/-0.209 χ^2/NDF: 2007.0/42

All: -1.473+/-0.148 χ^2/NDF: 3914.1/86

- sign -1.505+/-0.211 χ^2/NDF: 1907.1/43



Right In: 12.036+/-0.028 χ^2/NDF: 356350.3/17

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

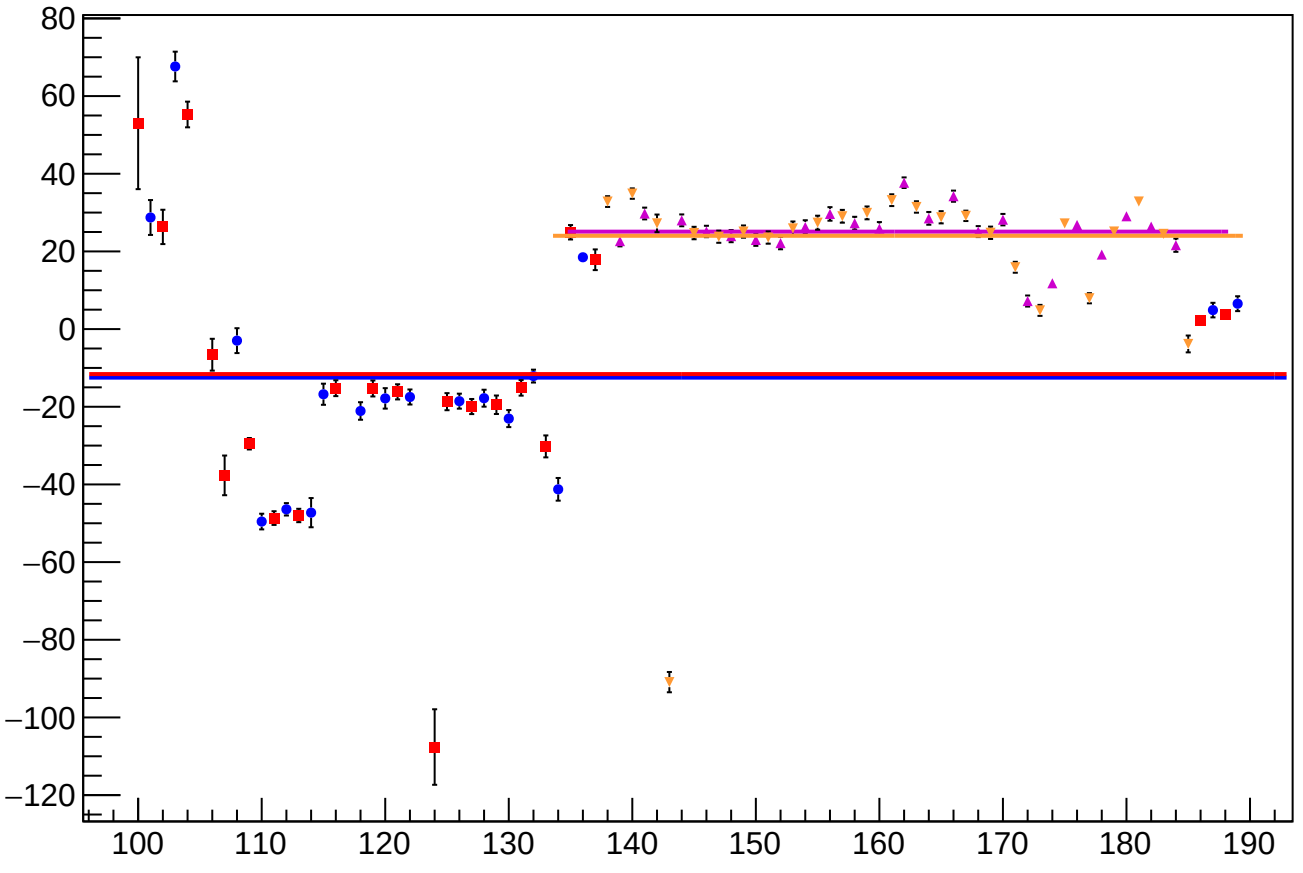
Right Out: 10.594+/-0.028 χ^2/NDF: 457213.9/20

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

+ sign -0.753+/-0.010 χ^2/NDF: 1547855.7/42

All: -1.239+/-0.007 χ^2/NDF: 2773800.2/86

- sign -1.731+/-0.010 χ^2/NDF: 1220924.8/43



Right In: -12.496+/-0.500 χ^2/NDF: 2338.6/17

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -11.584+/-0.443 χ^2/NDF: 2592.3/20

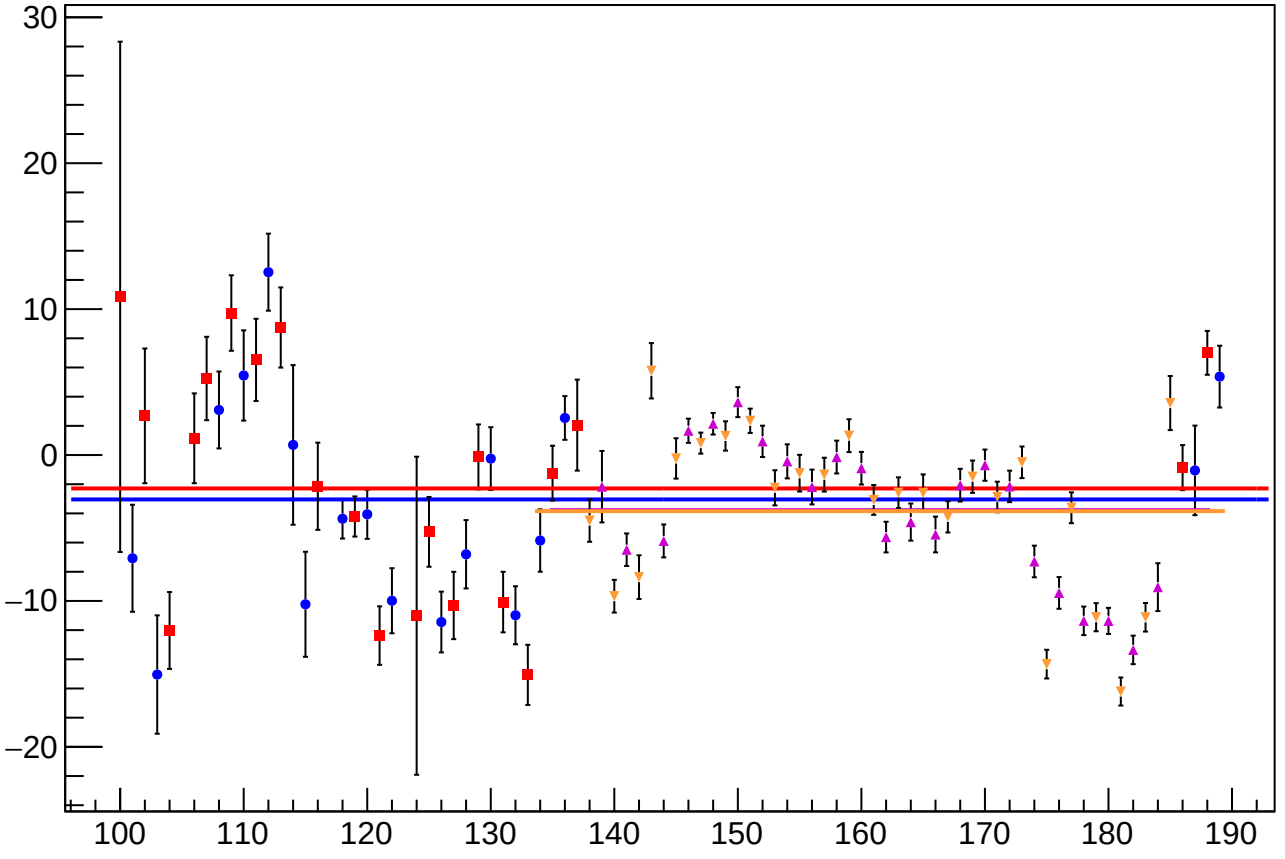
Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

+ sign 15.214+/-0.246 χ^2/NDF: 9186.7/42

All: 14.718+/-0.172 χ^2/NDF: 17105.5/86

- sign 14.240+/-0.241 χ^2/NDF: 7910.7/43

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -3.043+/-0.526 χ^2/NDF: 141.5/17

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: -2.291+/-0.499 χ^2/NDF: 207.4/20

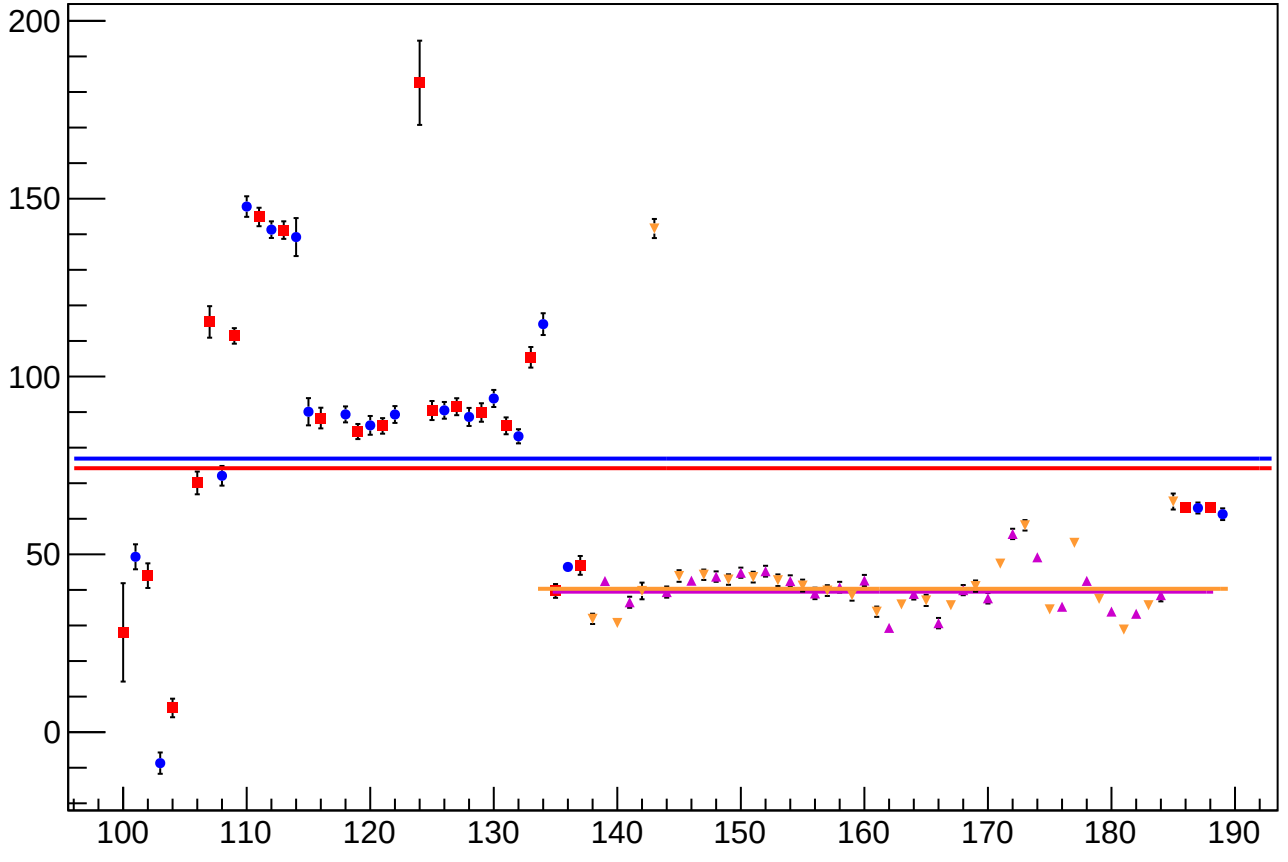
Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

+ sign -3.728+/-0.201 χ^2/NDF: 792.9/42

All: -3.631+/-0.143 χ^2/NDF: 1518.0/86

- sign -3.531+/-0.204 χ^2/NDF: 724.7/43

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs Slug



Right In: 76.924+/-0.534 χ^2/NDF: 3451.6/17

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

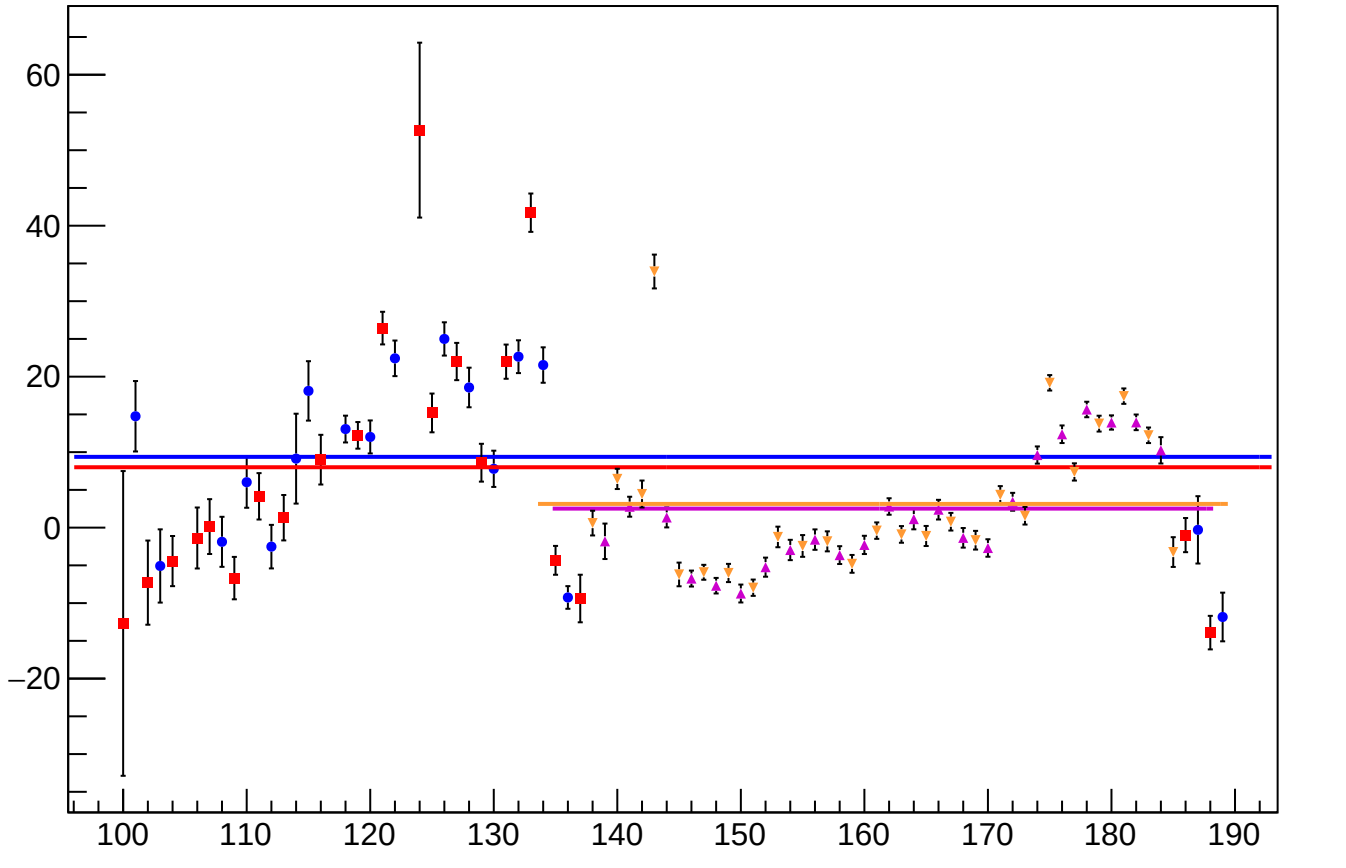
Right Out: 74.218+/-0.448 χ^2/NDF: 3746.6/20

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

+ sign 48.210+/-0.248 χ^2/NDF: 9316.8/42

All: 48.879+/-0.173 χ^2/NDF: 17793.0/86

- sign 49.507+/-0.240 χ^2/NDF: 8462.1/43



Right In: 9.376+/-0.609 χ^2/NDF: 410.2/17

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

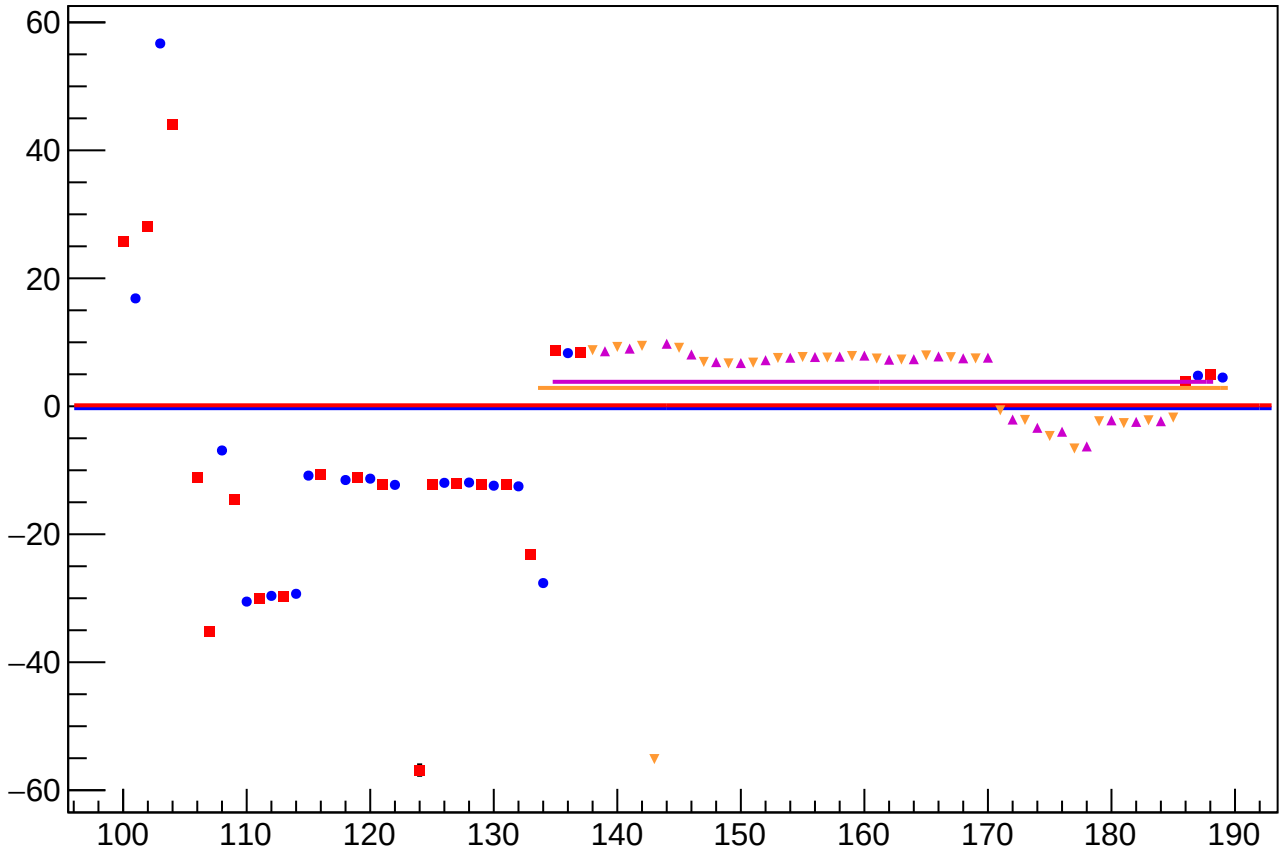
Right Out: 8.000+/-0.594 χ^2/NDF: 599.5/20

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

+ sign 4.012+/-0.228 χ^2/NDF: 1767.3/42

All: 3.686+/-0.162 χ^2/NDF: 3411.5/86

- sign 3.350+/-0.231 χ^2/NDF: 1640.0/43



Right In: -0.295+/-0.034 χ^2/NDF: 369846.8/17

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 0.154+/-0.034 χ^2/NDF: 319404.2/20

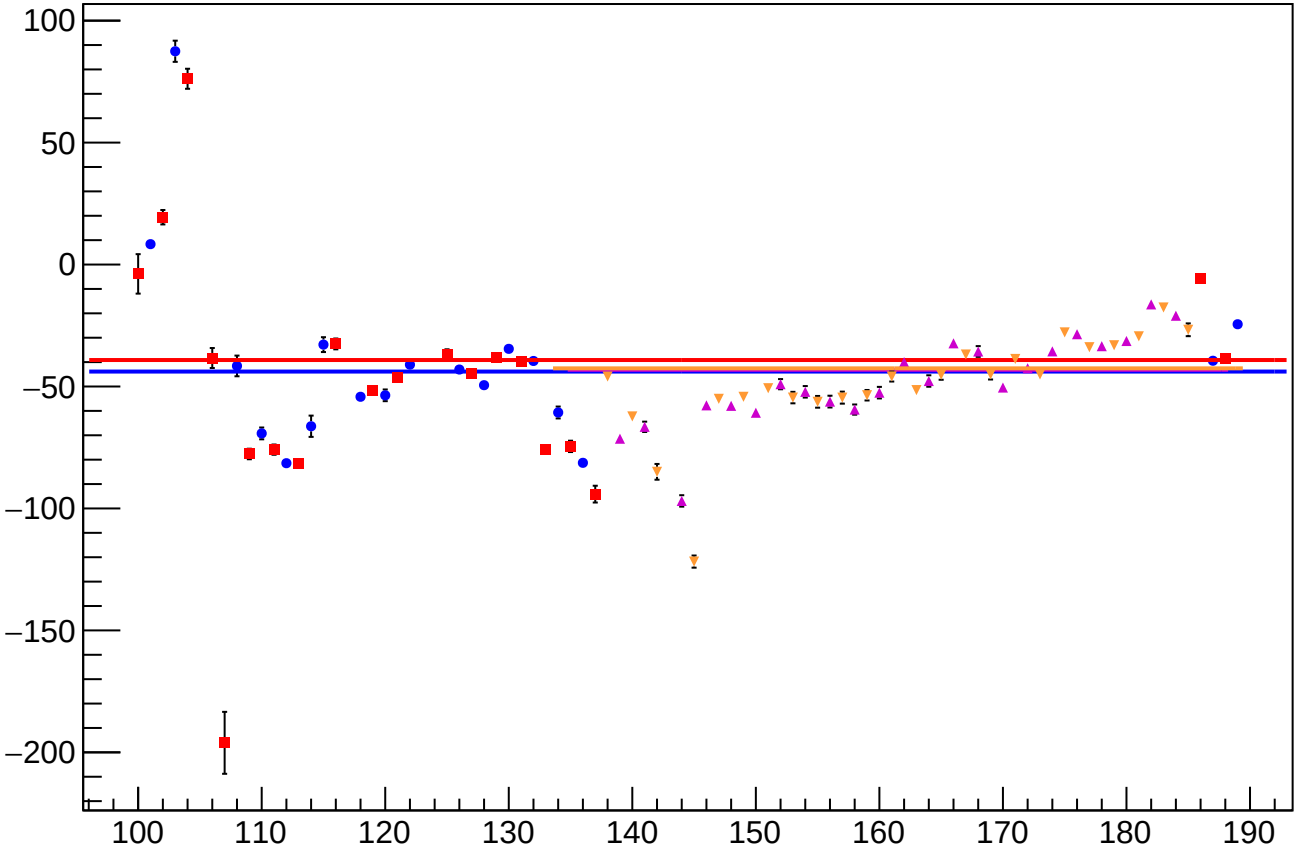
Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

+ sign 2.576+/-0.010 χ^2/NDF: 889892.1/42

All: 3.023+/-0.007 χ^2/NDF: 1456504.4/86

- sign 3.480+/-0.011 χ^2/NDF: 562918.3/43

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug



Right In: -43.874+/-0.469 χ^2/NDF: 3014.6/17

Left Out: -42.560+/-0.378 χ^2/NDF:2326.4/23

Right Out: -39.147+/-0.402 χ^2/NDF: 4734.5/19

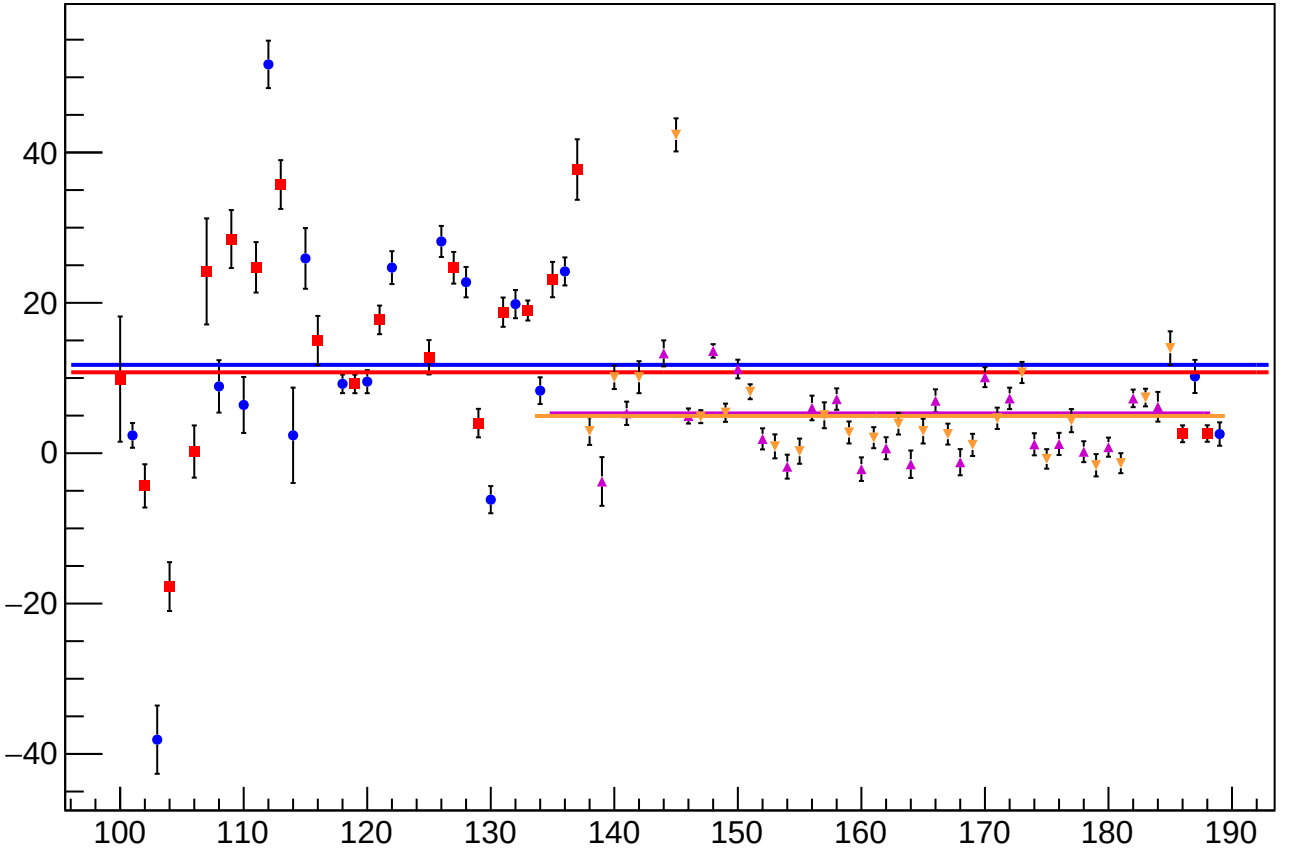
Left In: -43.152+/-0.382 χ^2/NDF:2206.6/22

+ sign -43.079+/-0.294 χ^2/NDF: 5345.8/41

All: -42.110+/-0.202 χ^2/NDF: 12359.6/84

- sign -41.253+/-0.277 χ^2/NDF: 6993.4/42

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug



Right In: 11.751+/-0.480 χ^2/NDF: 665.5/17

Left Out: 4.954+/-0.288 χ^2/NDF:449.1/23

Right Out: 10.761+/-0.447 χ^2/NDF: 524.5/19

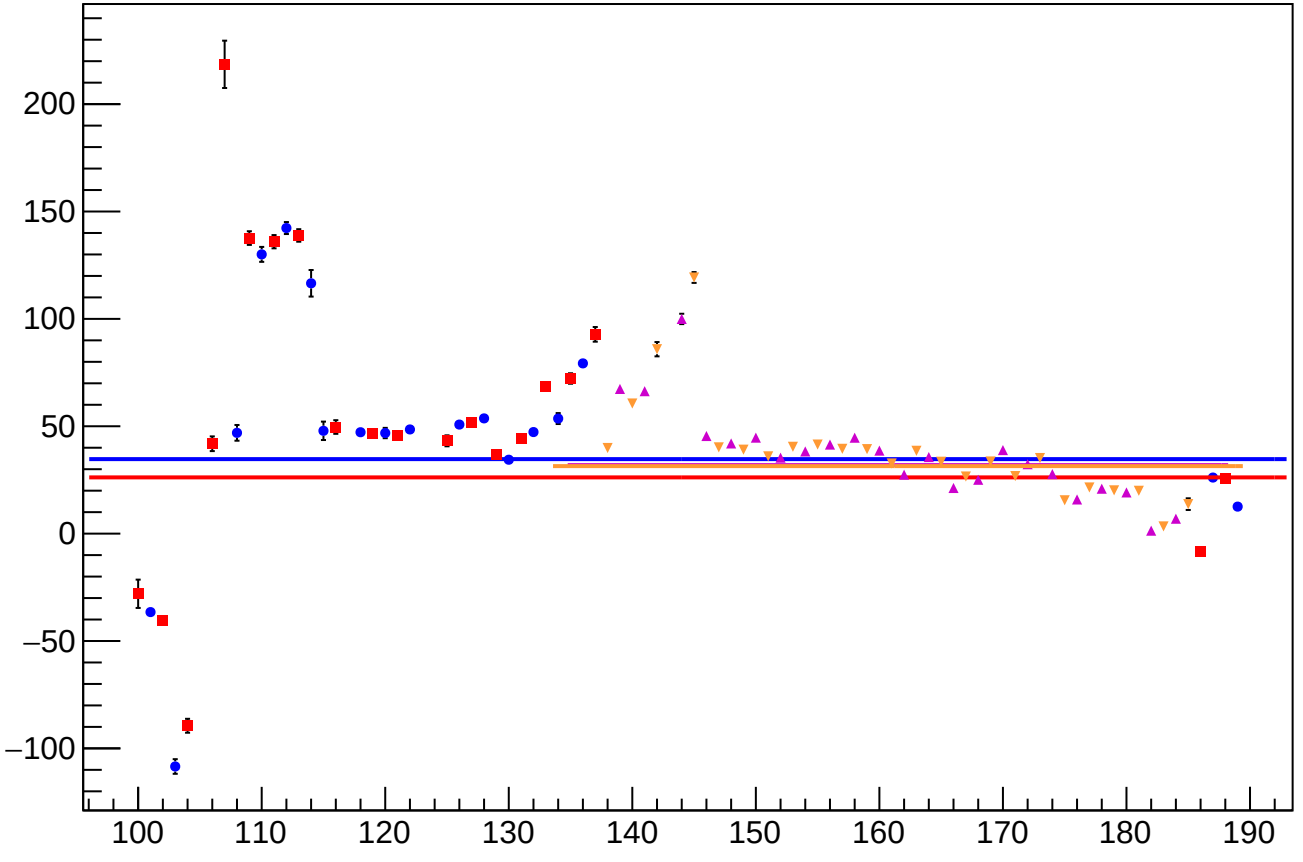
Left In: 5.292+/-0.294 χ^2/NDF:286.4/22

+ sign 6.757+/-0.247 χ^2/NDF: 1261.8/41

All: 6.851+/-0.174 χ^2/NDF: 2177.4/84

- sign 6.945+/-0.246 χ^2/NDF: 915.3/42

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug



Right In: 34.699+/-0.474 χ^2/NDF: 7750.7/17

Left Out: 31.439+/-0.376 χ^2/NDF:2762.0/23

Right Out: 26.188+/-0.377 χ^2/NDF: 10508.1/19

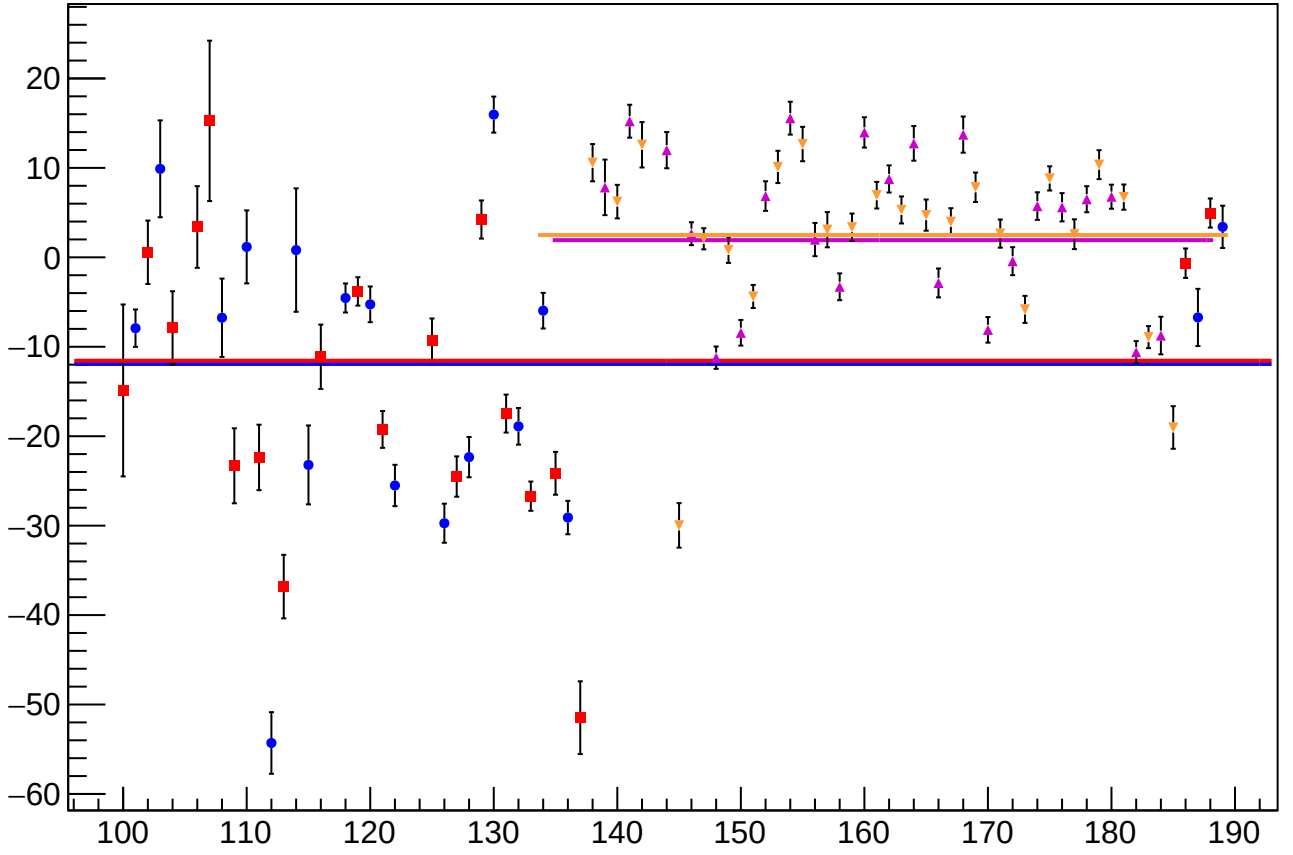
Left In: 31.895+/-0.378 χ^2/NDF:2767.3/22

+ sign 32.696+/-0.294 χ^2/NDF: 10541.8/41

All: 30.688+/-0.198 χ^2/NDF: 24016.1/84

- sign 29.035+/-0.267 χ^2/NDF: 13389.5/42

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug



Right In: -11.920+/-0.572 χ^2/NDF: 688.4/17

Left Out: 2.494+/-0.327 χ^2/NDF:558.7/23

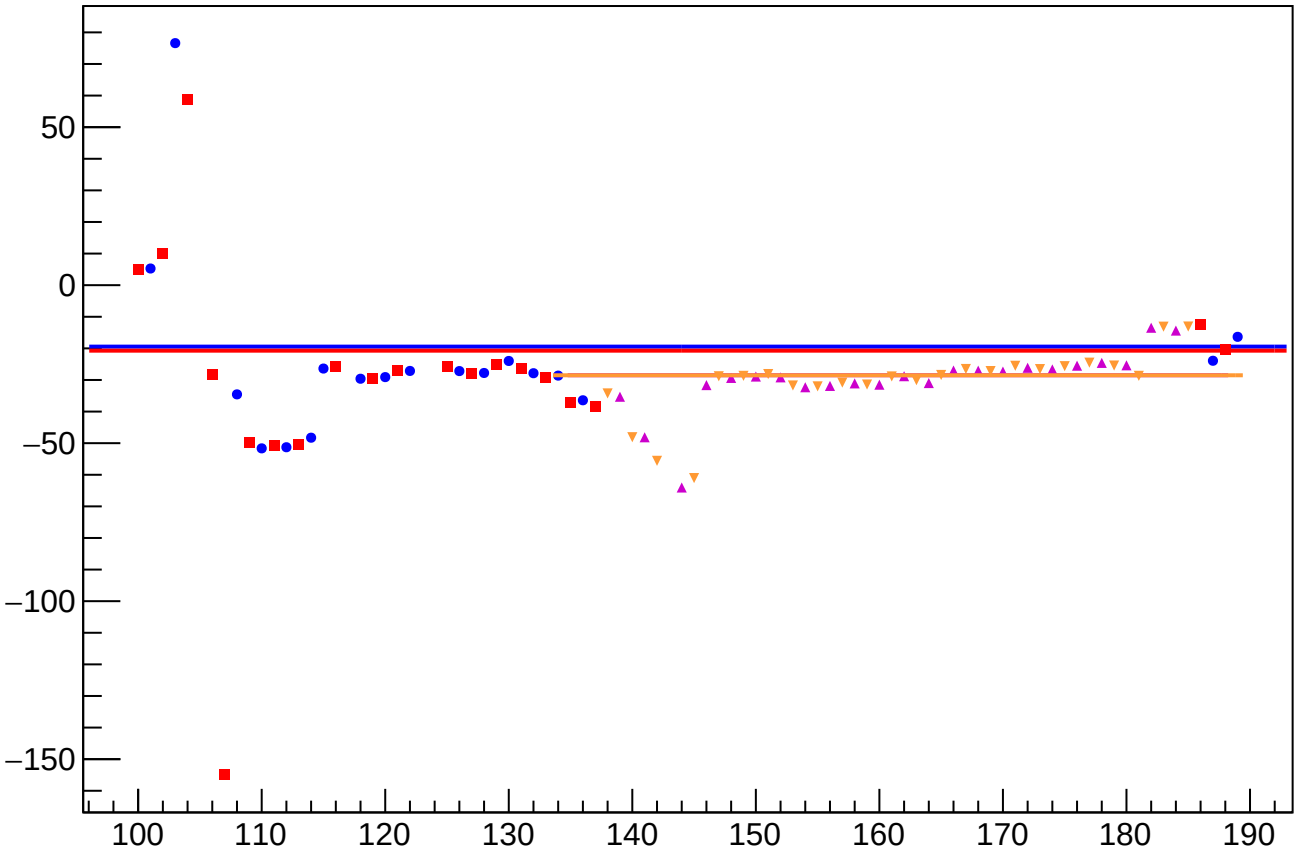
Right Out: -11.562+/-0.551 χ^2/NDF: 589.8/19

Left In: 1.921+/-0.332 χ^2/NDF:678.8/22

\+ sign -1.053+/-0.284 χ^2/NDF: 1726.0/41

All: -1.360+/-0.201 χ^2/NDF: 3436.0/84

\- sign -1.668+/-0.284 χ^2/NDF: 1707.7/42



Right In: -19.448+/-0.033 χ^2/NDF: 648515.4/17

Left Out: -28.513+/-0.015 χ^2/NDF:333774.3/23

Right Out: -20.724+/-0.034 χ^2/NDF: 552367.2/19

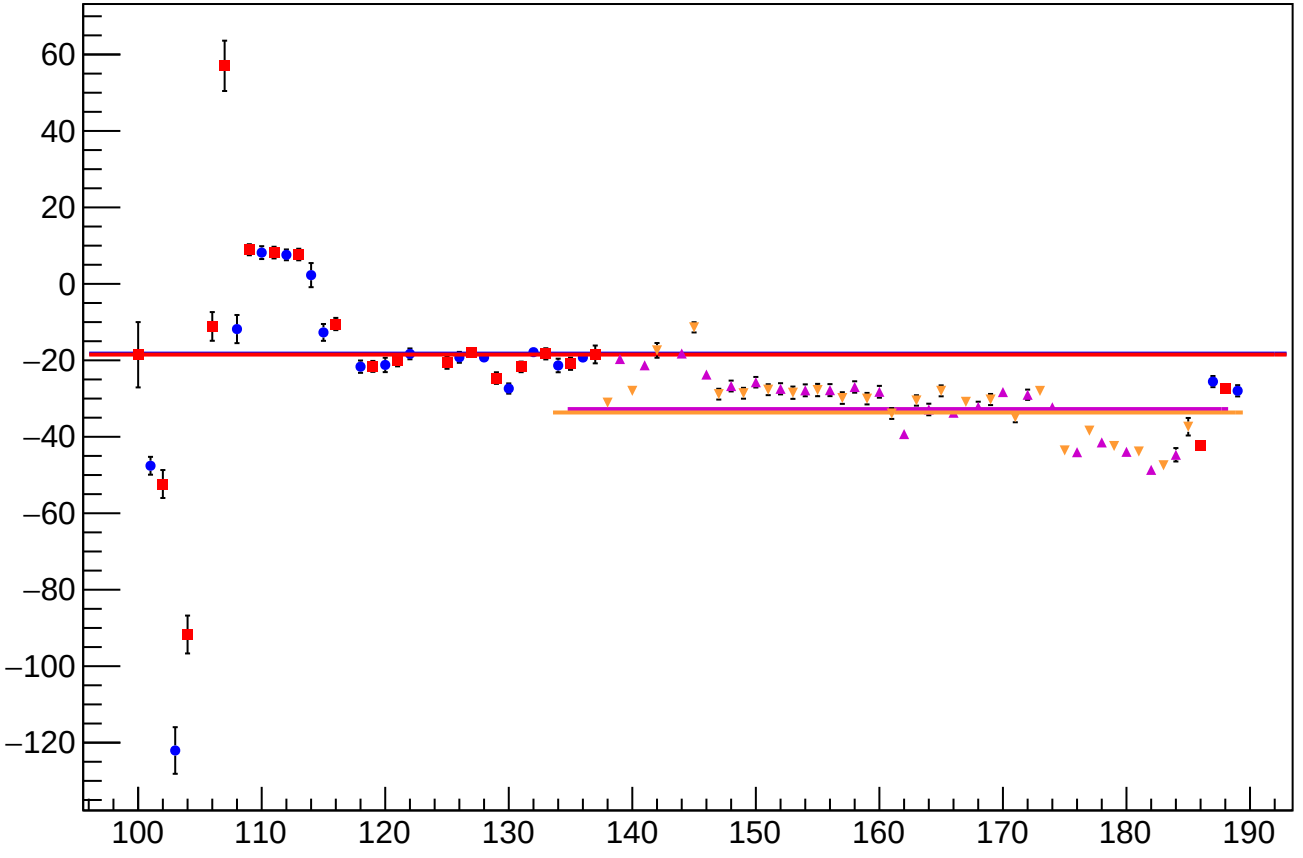
Left In: -28.495+/-0.015 χ^2/NDF:287757.4/22

+ sign -27.034+/-0.014 χ^2/NDF: 1043797.5/41

All: -27.131+/-0.010 χ^2/NDF: 1928897.1/84

- sign -27.229+/-0.014 χ^2/NDF: 884995.7/42

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug



Right In: -18.244+/-0.376 χ^2/NDF: 1207.4/17

Left Out: -33.643+/-0.265 χ^2/NDF:1015.9/23

Right Out: -18.490+/-0.353 χ^2/NDF: 1930.8/19

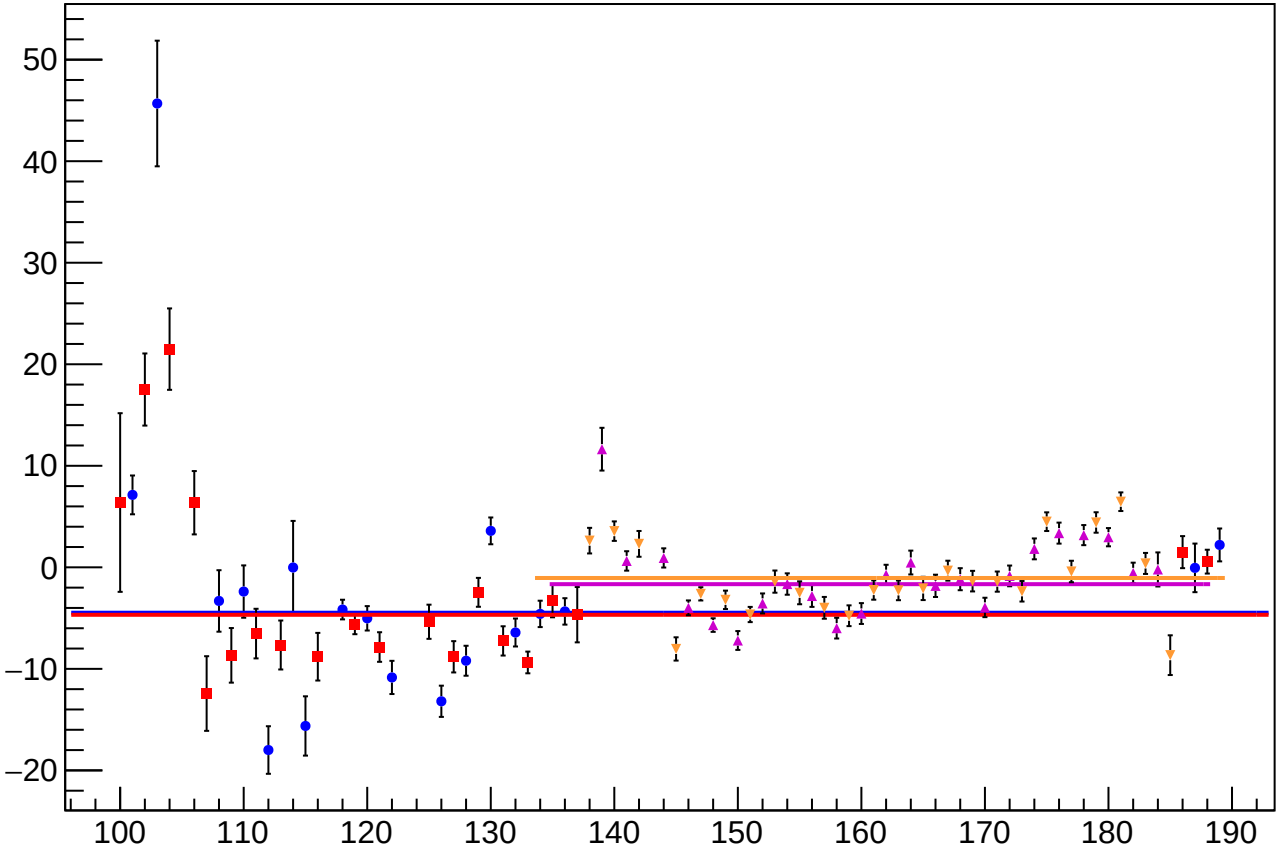
Left In: -32.750+/-0.269 χ^2/NDF:1143.5/22

+ sign -28.533+/-0.217 χ^2/NDF: 3342.6/41

All: -28.016+/-0.152 χ^2/NDF: 7463.5/84

- sign -27.514+/-0.214 χ^2/NDF: 4109.7/42

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug



Right In: -4.471+/-0.384 χ^2/NDF: 269.9/17

Left Out: -1.050+/-0.203 χ^2/NDF:289.4/23

Right Out: -4.674+/-0.383 χ^2/NDF: 181.5/19

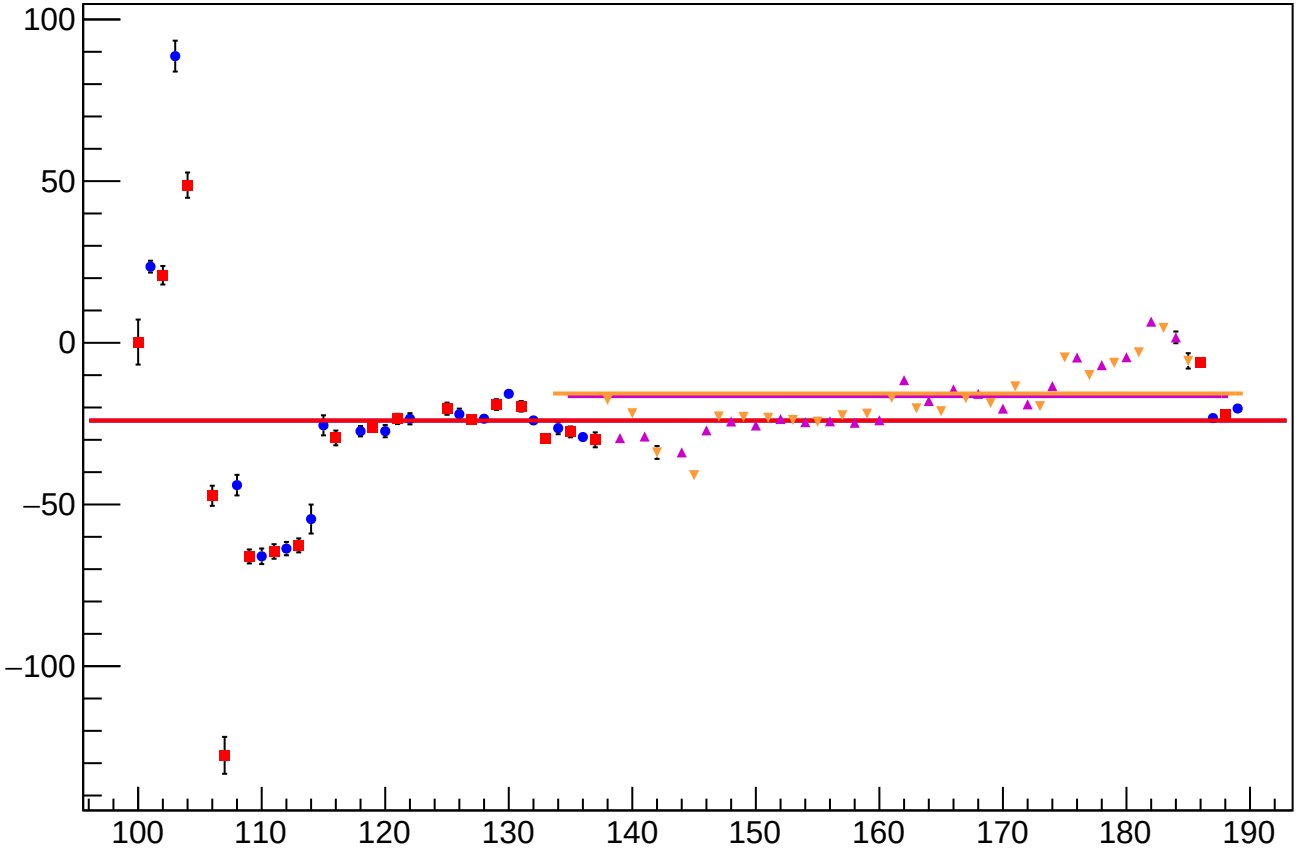
Left In: -1.659+/-0.207 χ^2/NDF:264.4/22

+ sign -1.795+/-0.179 χ^2/NDF: 621.3/41

All: -2.063+/-0.128 χ^2/NDF: 1119.6/84

- sign -2.339+/-0.182 χ^2/NDF: 493.8/42

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug



Right In: -24.050+/-0.403 χ^2/NDF: 2062.6/17

Left Out: -15.674+/-0.263 χ^2/NDF:1520.8/23

Right Out: -24.029+/-0.362 χ^2/NDF: 2391.1/19

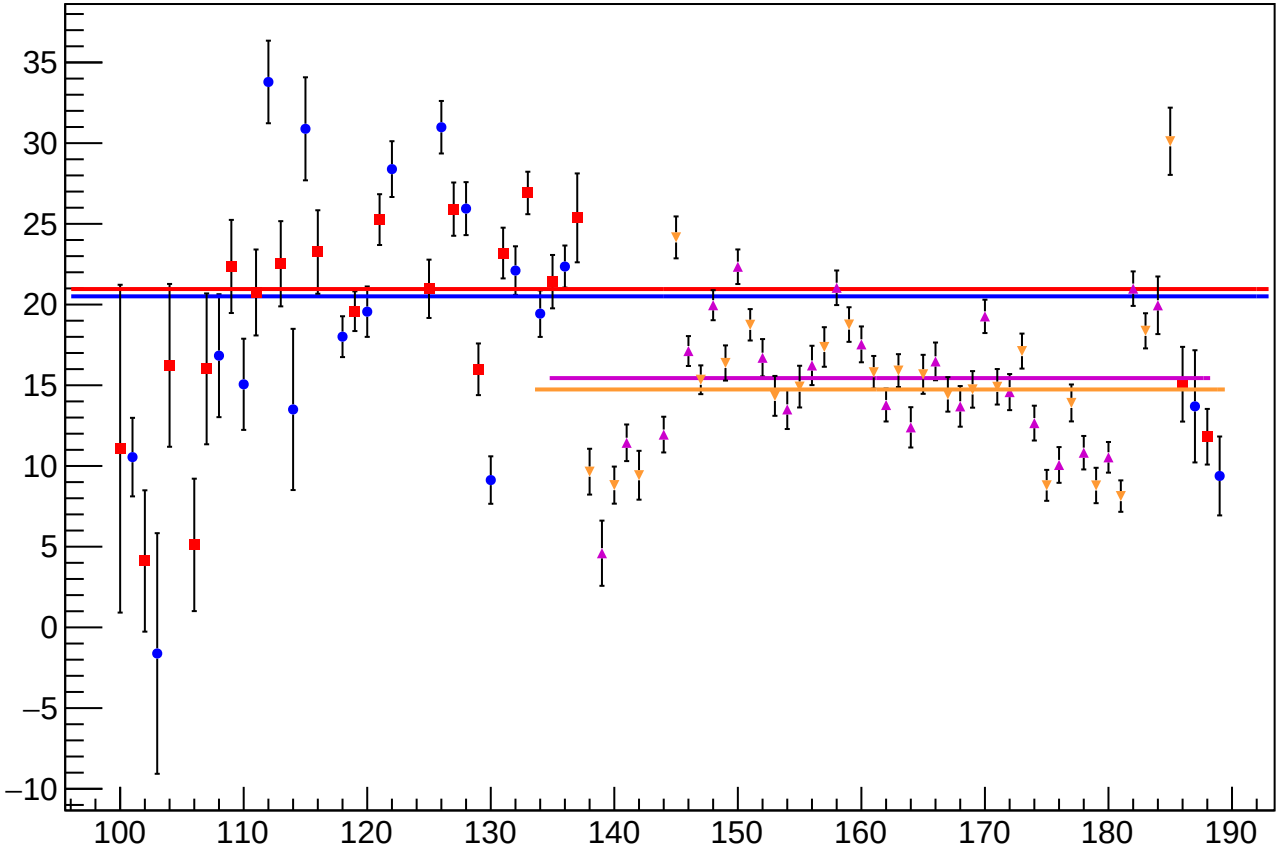
Left In: -16.480+/-0.266 χ^2/NDF:1697.7/22

+ sign -18.174+/-0.220 χ^2/NDF: 3886.0/41

All: -18.662+/-0.154 χ^2/NDF: 8266.6/84

- sign -19.124+/-0.214 χ^2/NDF: 4371.0/42

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug



Right In: 20.509+/-0.447 χ^2/NDF: 235.4/17

Left Out: 14.740+/-0.229 χ^2/NDF:331.0/23

Right Out: 20.961+/-0.452 χ^2/NDF: 121.2/19

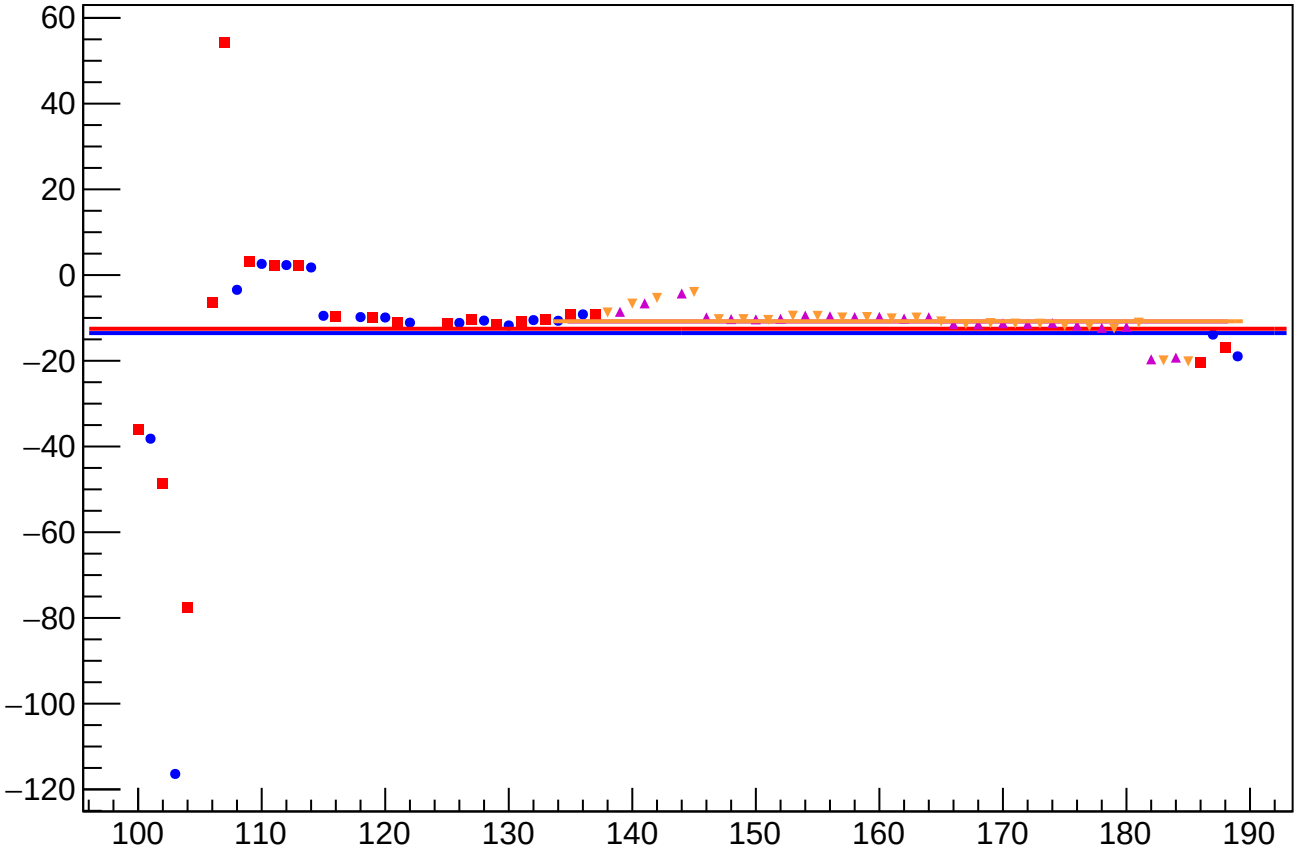
Left In: 15.444+/-0.233 χ^2/NDF:290.4/22

+ sign 15.945+/-0.204 χ^2/NDF: 698.4/41

All: 16.269+/-0.145 χ^2/NDF: 1232.8/84

- sign 16.602+/-0.207 χ^2/NDF: 529.2/42

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug



Right In: -13.538+/-0.027 χ^2/NDF: 348189.5/17

Left Out: -10.778+/-0.010 χ^2/NDF:84755.9/23

Right Out: -12.525+/-0.028 χ^2/NDF: 320277.1/19

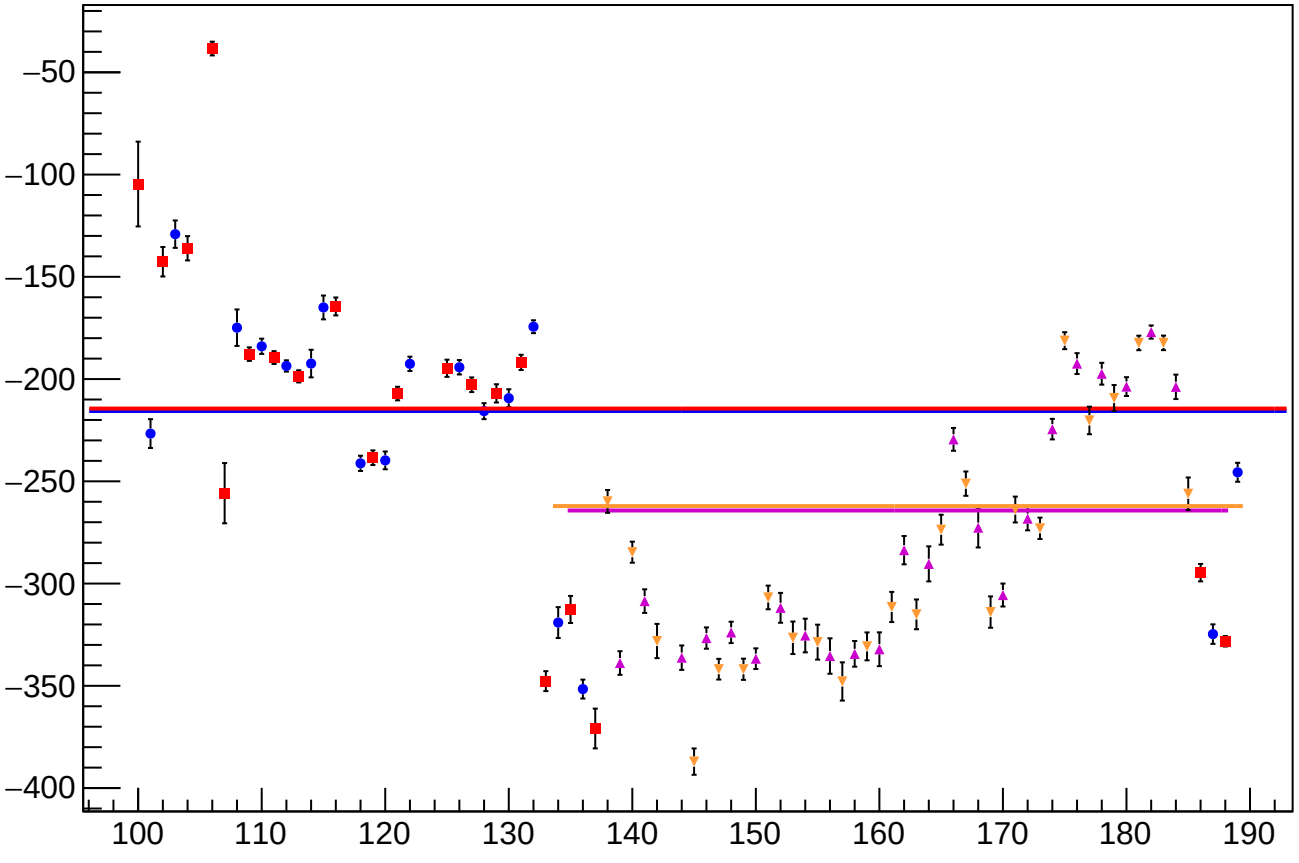
Left In: -10.834+/-0.010 χ^2/NDF:74113.9/22

+ sign -11.127+/-0.010 χ^2/NDF: 442058.2/41

All: -11.079+/-0.007 χ^2/NDF: 839626.1/84

- sign -11.031+/-0.010 χ^2/NDF: 397518.4/42

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug



Right In: -215.618+/-1.016 χ^2/NDF: 2358.6/17

Left Out: -262.110+/-1.179 χ^2/NDF:2964.6/23

Right Out: -214.428+/-0.909 χ^2/NDF: 7023.8/19

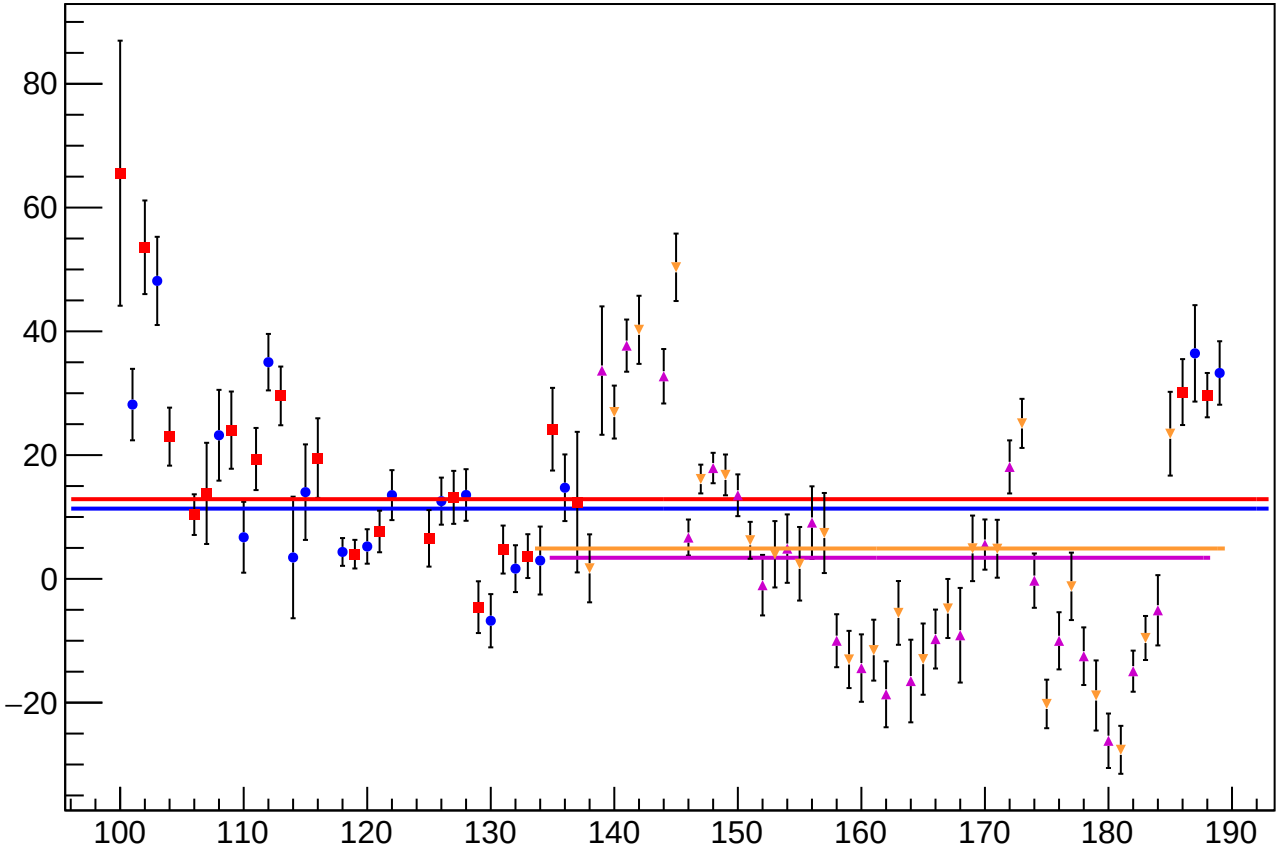
Left In: -264.272+/-1.186 χ^2/NDF:2741.9/22

+ sign -235.413+/-0.770 χ^2/NDF: 6215.6/41

All: -234.063+/-0.526 χ^2/NDF: 17100.3/84

- sign -232.877+/-0.721 χ^2/NDF: 10878.9/42

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug



Right In: 11.352+/-1.034 χ^2/NDF: 136.9/17

Left Out: 4.909+/-0.886 χ^2/NDF:398.9/23

Right Out: 12.879+/-0.985 χ^2/NDF: 141.7/19

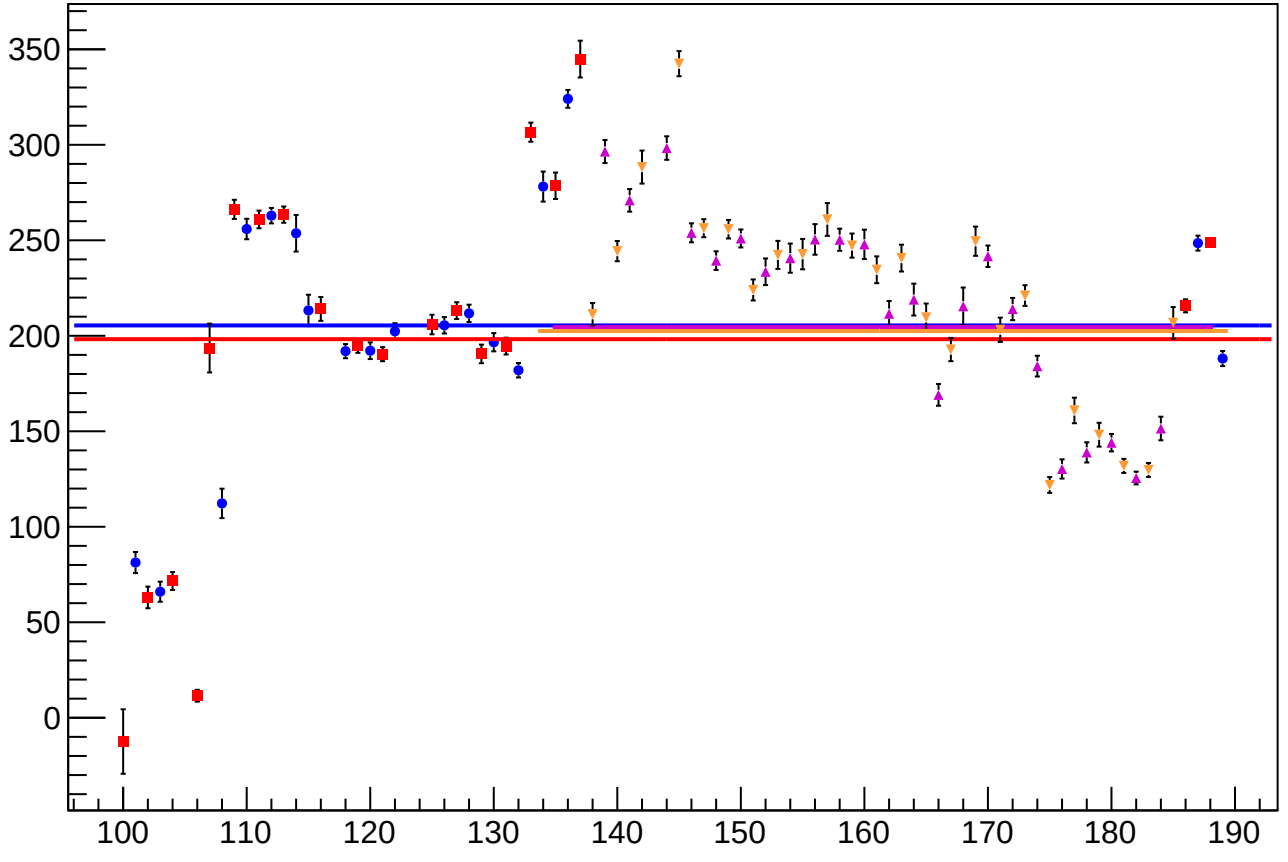
Left In: 3.409+/-0.901 χ^2/NDF:333.3/22

+ sign 7.638+/-0.673 χ^2/NDF: 558.3/41

All: 7.681+/-0.473 χ^2/NDF: 1083.6/84

- sign 7.724+/-0.665 χ^2/NDF: 525.4/42

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug



Right In: 205.416+/-1.122 χ^2/NDF: 2608.4/17

Left Out: 202.511+/-1.173 χ^2/NDF:2393.5/23

Right Out: 198.230+/-0.959 χ^2/NDF: 7206.9/19

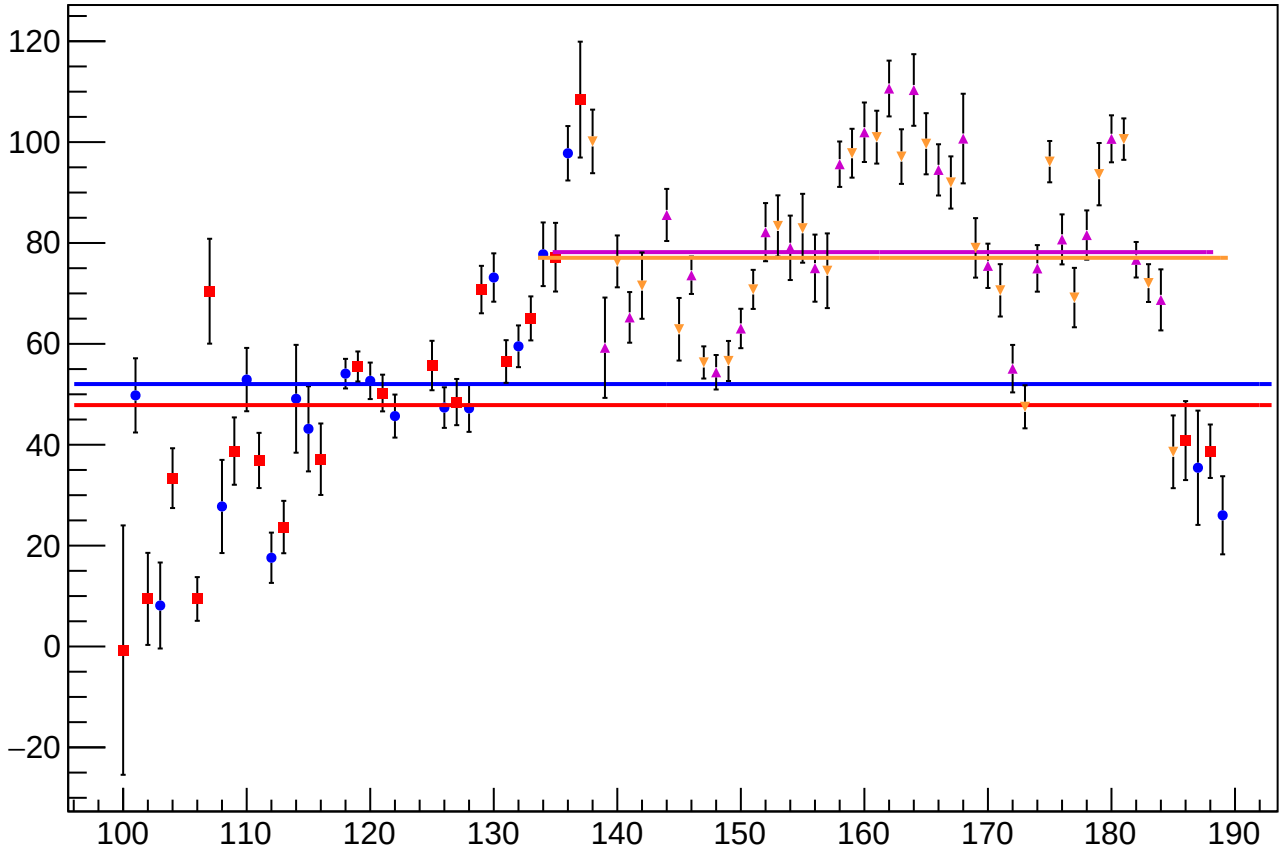
Left In: 204.560+/-1.177 χ^2/NDF:2285.7/22

+ sign 204.028+/-0.811 χ^2/NDF: 5005.1/41

All: 202.252+/-0.548 χ^2/NDF: 14523.9/84

- sign 200.756+/-0.744 χ^2/NDF: 9509.9/42

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug



Right In: 52.031+/-1.219 χ^2/NDF: 212.2/17

Left Out: 77.061+/-1.015 χ^2/NDF:311.3/23

Right Out: 47.861+/-1.170 χ^2/NDF: 244.1/19

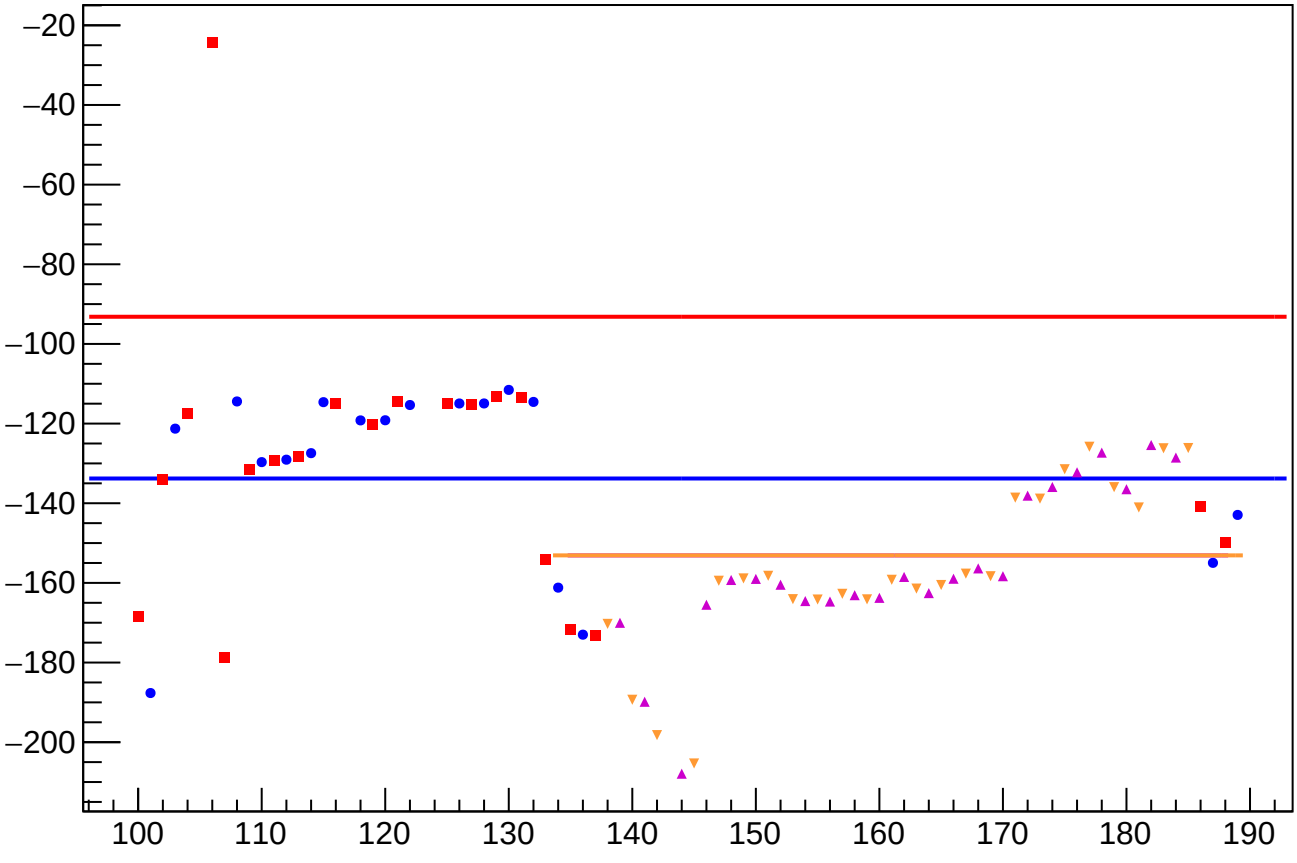
Left In: 78.189+/-1.026 χ^2/NDF:232.5/22

+ sign 66.808+/-0.780 χ^2/NDF: 772.5/41

All: 65.901+/-0.548 χ^2/NDF: 1631.7/84

- sign 65.015+/-0.771 χ^2/NDF: 856.5/42

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug



Right In: -133.788+/-0.078 χ^2/NDF: 95569.2/17

Left Out: -153.090+/-0.047 χ^2/NDF:177552.0/23

Right Out: -93.176+/-0.062 χ^2/NDF: 788158.7/19

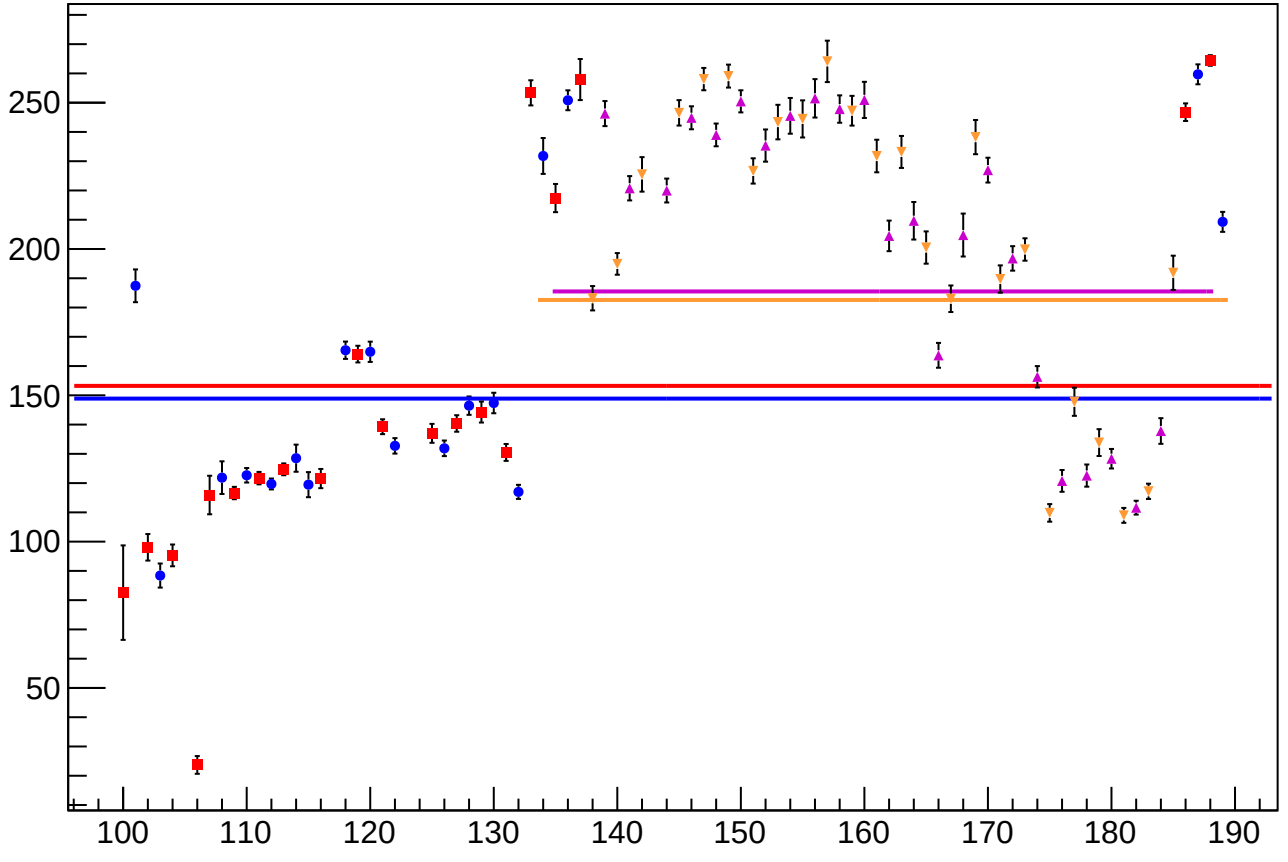
Left In: -153.103+/-0.047 χ^2/NDF:166644.2/22

+ sign -147.990+/-0.040 χ^2/NDF: 317840.8/41

All: -139.050+/-0.027 χ^2/NDF: 1962423.9/84

- sign -131.395+/-0.037 χ^2/NDF: 1552985.3/42

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug



Right In: 148.878+/-0.746 χ^2/NDF: 3469.9/17

Left Out: 182.591+/-0.866 χ^2/NDF:4152.3/23

Right Out: 153.225+/-0.664 χ^2/NDF: 8924.6/19

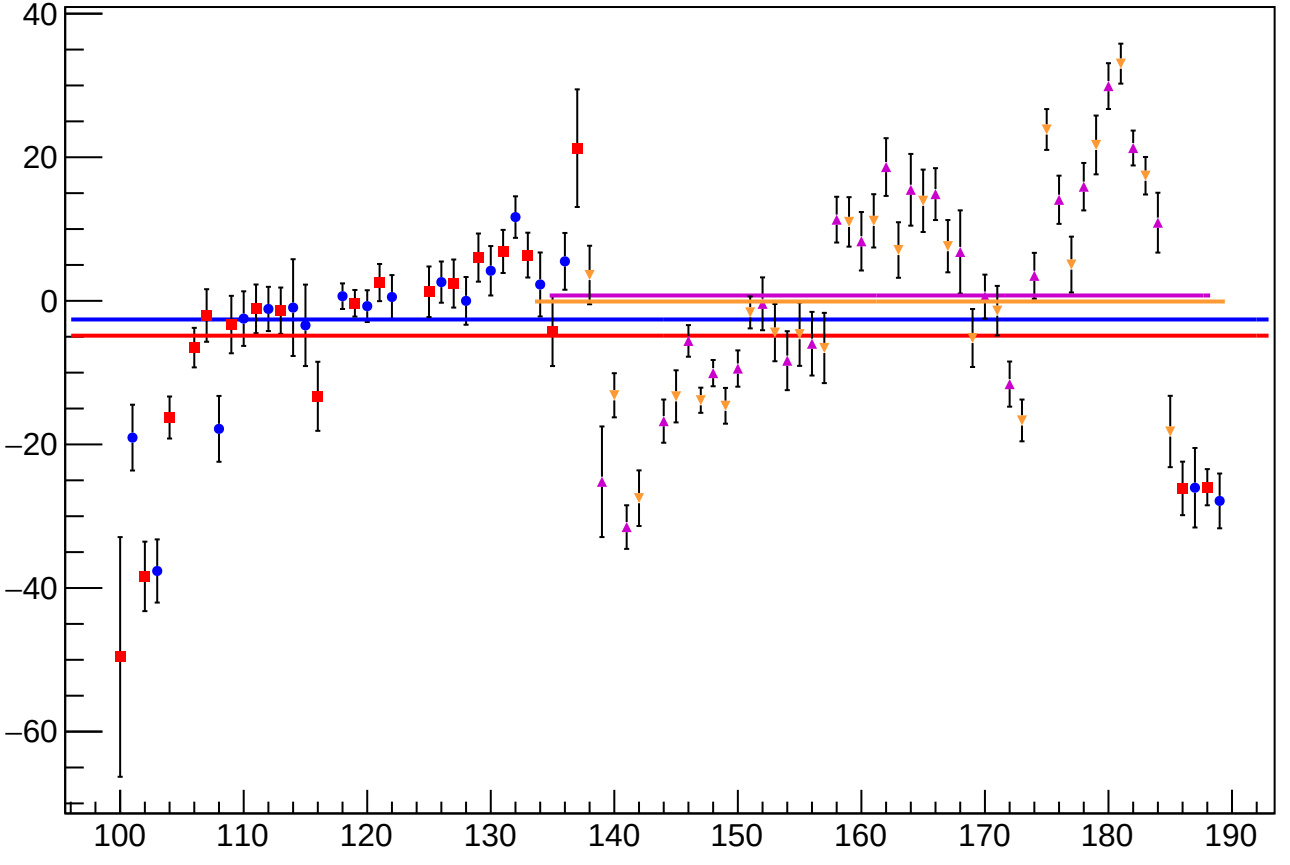
Left In: 185.497+/-0.872 χ^2/NDF:3822.2/22

+ sign 163.242+/-0.565 χ^2/NDF: 8492.2/41

All: 164.209+/-0.386 χ^2/NDF: 22111.3/84

- sign 165.054+/-0.528 χ^2/NDF: 13613.6/42

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug



Right In: -2.596+/-0.783 χ^2/NDF: 191.9/17

Left Out: -0.092+/-0.655 χ^2/NDF:555.3/23

Right Out: -4.851+/-0.734 χ^2/NDF: 250.4/19

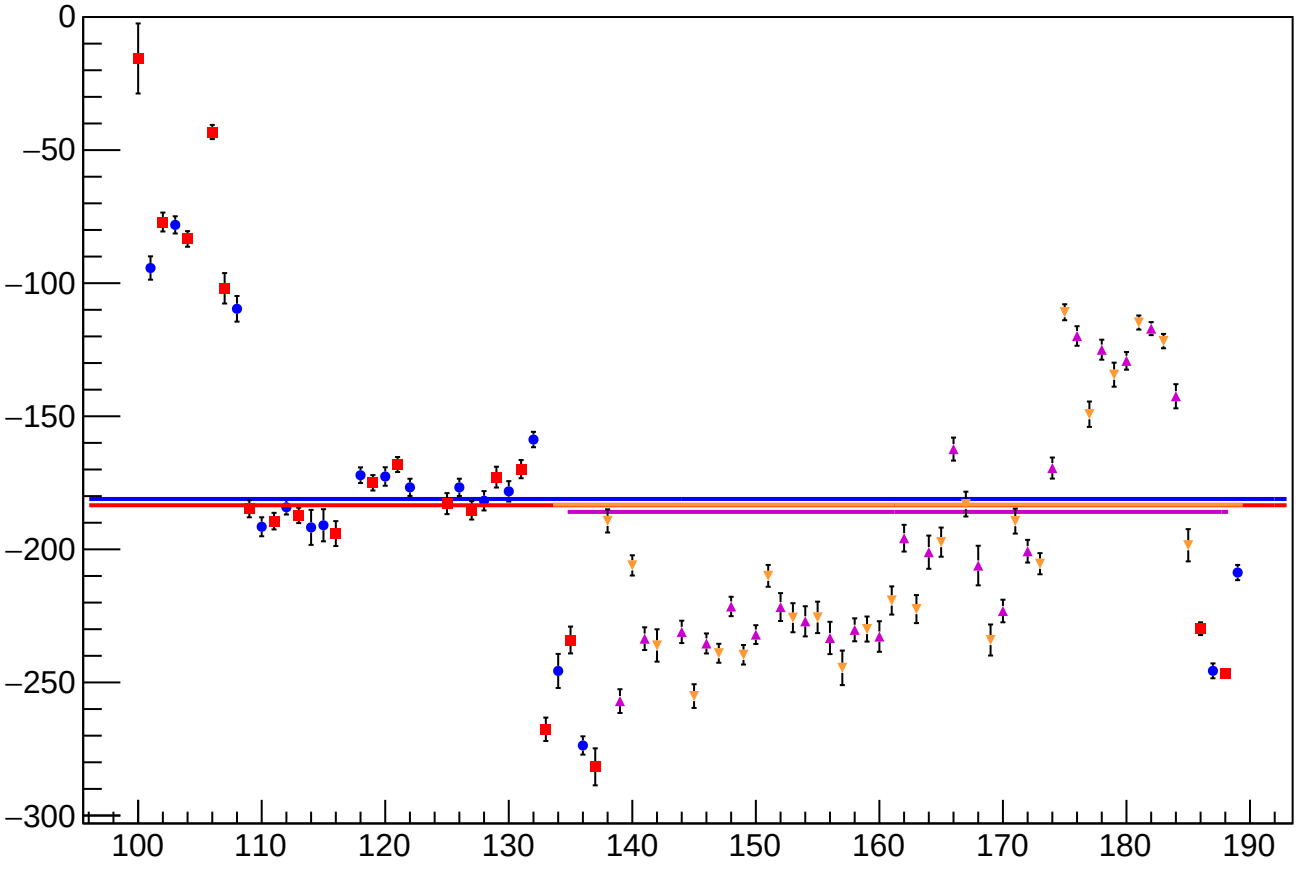
Left In: 0.747+/-0.665 χ^2/NDF:497.8/22

+ sign -1.123+/-0.502 χ^2/NDF: 753.3/41

All: -1.457+/-0.352 χ^2/NDF: 1534.3/84

- sign -1.779+/-0.493 χ^2/NDF: 780.2/42

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs Slug



Right In: -181.067+/-0.826 χ^2/NDF: 3180.0/17

Left Out: -183.175+/-0.862 χ^2/NDF:3361.2/23

Right Out: -183.430+/-0.700 χ^2/NDF: 8183.6/19

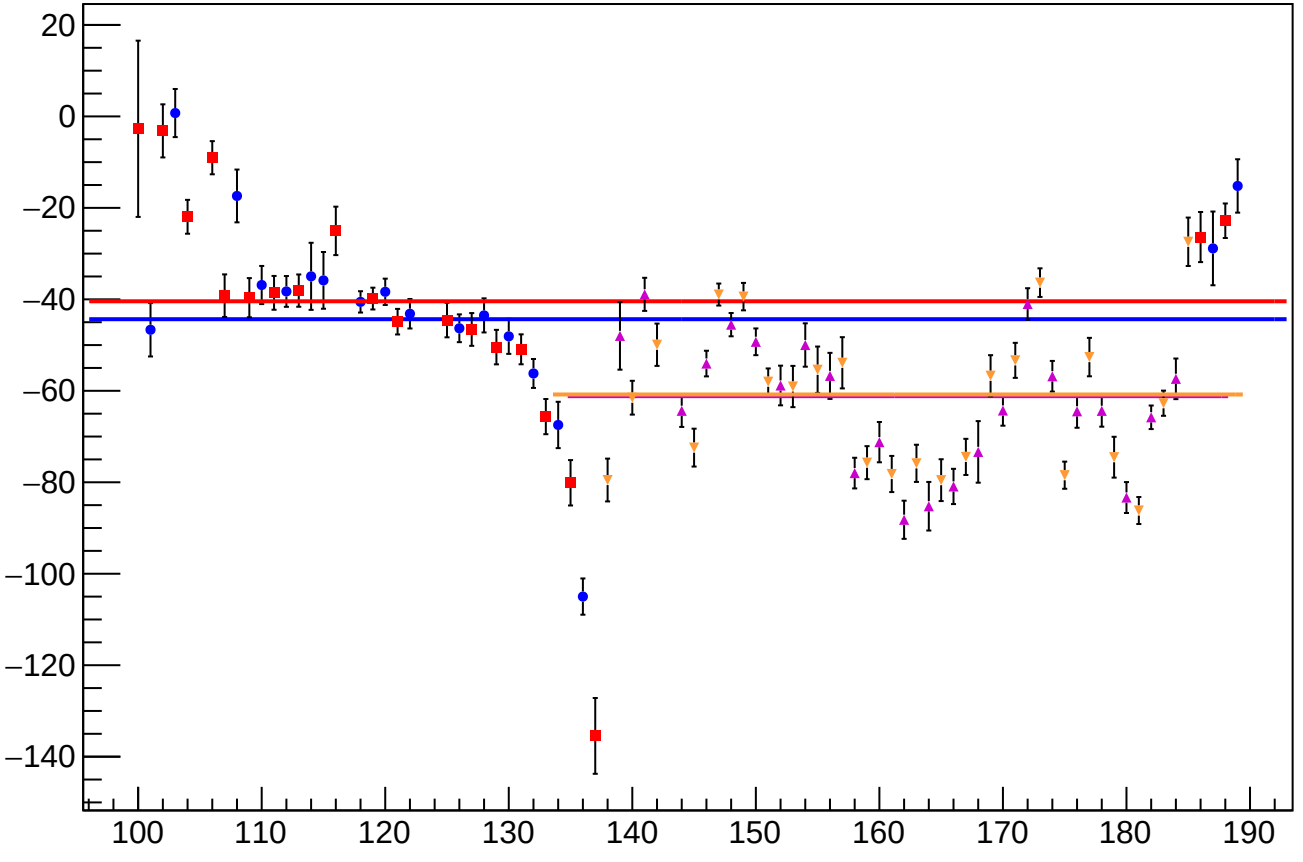
Left In: -185.936+/-0.867 χ^2/NDF:3181.6/22

\+ sign -182.076+/-0.596 χ^2/NDF: 6544.3/41

All: -183.353+/-0.402 χ^2/NDF: 17922.9/84

\- sign -184.420+/-0.545 χ^2/NDF: 11370.2/42

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug



Right In: -44.343+/-0.920 χ^2/NDF: 411.7/17

Left Out: -60.801+/-0.749 χ^2/NDF:474.0/23

Right Out: -40.424+/-0.873 χ^2/NDF: 445.0/19

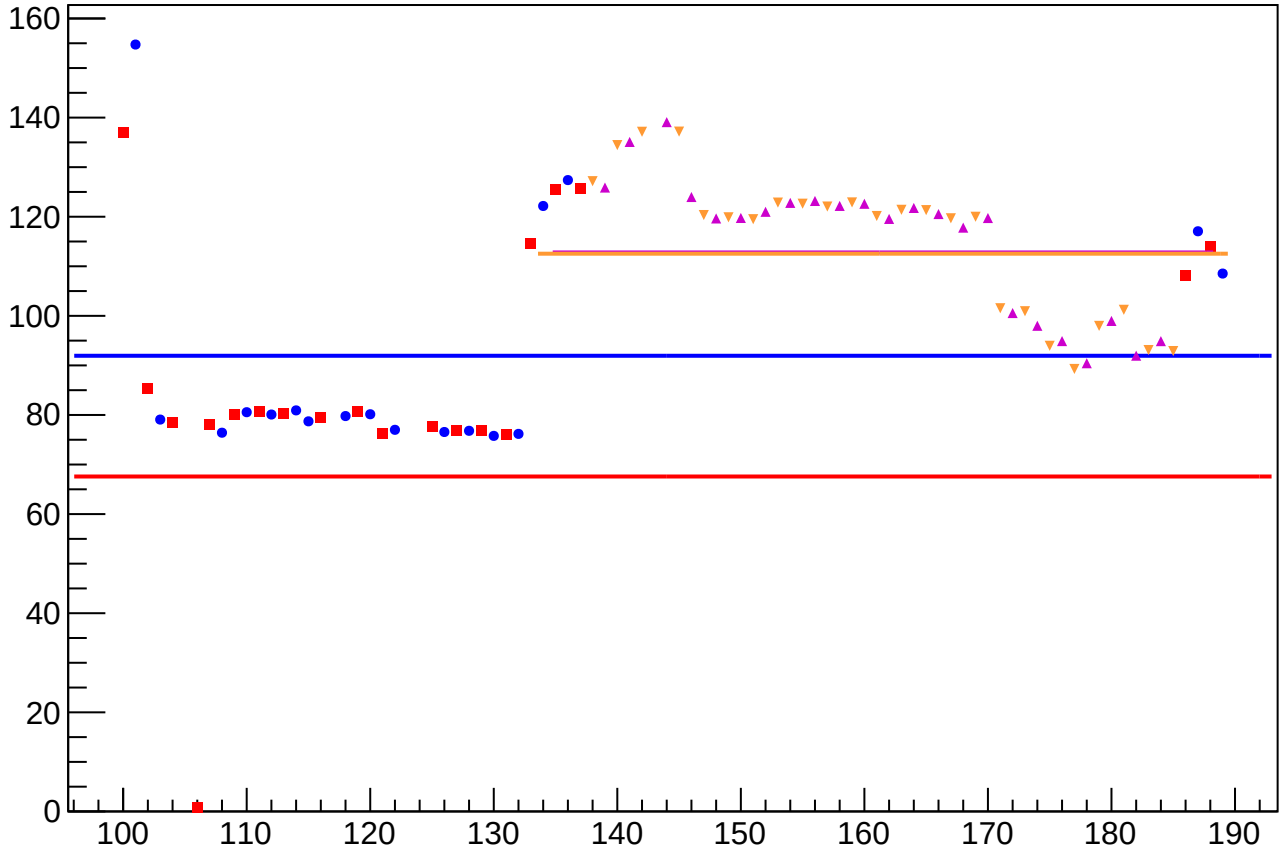
Left In: -61.172+/-0.757 χ^2/NDF:316.9/22

+ sign -54.239+/-0.581 χ^2/NDF: 1078.3/41

All: -53.237+/-0.407 χ^2/NDF: 2168.6/84

- sign -52.267+/-0.572 χ^2/NDF: 1084.5/42

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug



Right In: 91.945+/-0.057 χ^2/NDF: 168566.9/17

Left Out: 112.539+/-0.035 χ^2/NDF:174512.4/23

Right Out: 67.584+/-0.047 χ^2/NDF: 731828.1/19

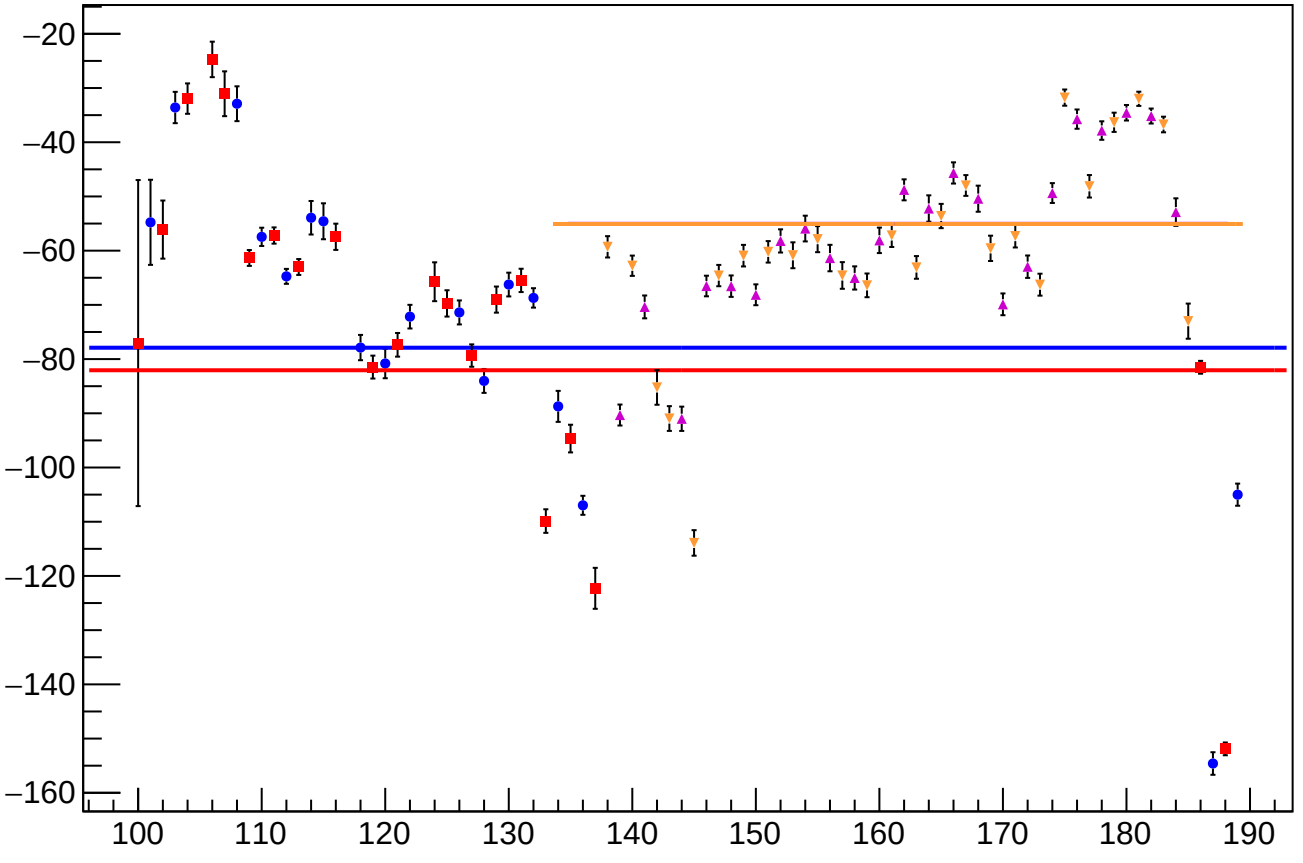
Left In: 112.795+/-0.034 χ^2/NDF:171662.8/22

+ sign 106.952+/-0.030 χ^2/NDF: 439287.3/41

All: 101.803+/-0.020 χ^2/NDF: 1994510.7/84

- sign 97.213+/-0.028 χ^2/NDF: 1497686.2/42

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug



Right In: -77.902+/-0.521 χ^2/NDF: 2690.6/17

Left Out: -55.077+/-0.401 χ^2/NDF:2002.8/24

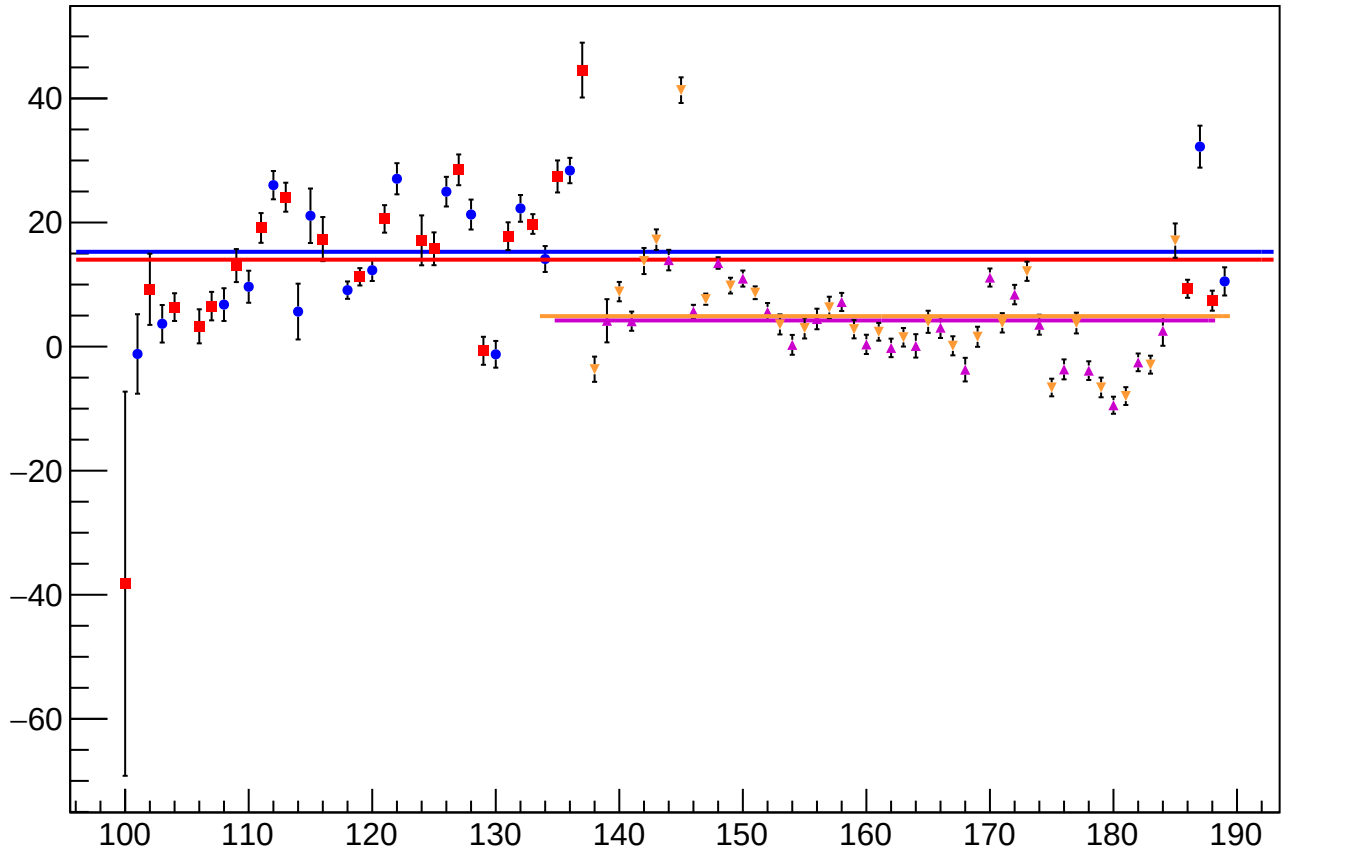
Right Out: -82.060+/-0.446 χ^2/NDF: 5497.4/20

Left In: -55.050+/-0.410 χ^2/NDF:1541.8/22

+ sign -63.557+/-0.318 χ^2/NDF: 5899.9/42

All: -65.601+/-0.219 χ^2/NDF: 15005.7/86

- sign -67.448+/-0.302 χ^2/NDF: 9026.9/43



Right In: 15.280+/-0.555 χ^2/NDF: 272.0/17

Left Out: 4.910+/-0.301 χ^2/NDF:741.5/24

Right Out: 14.011+/-0.496 χ^2/NDF: 273.5/20

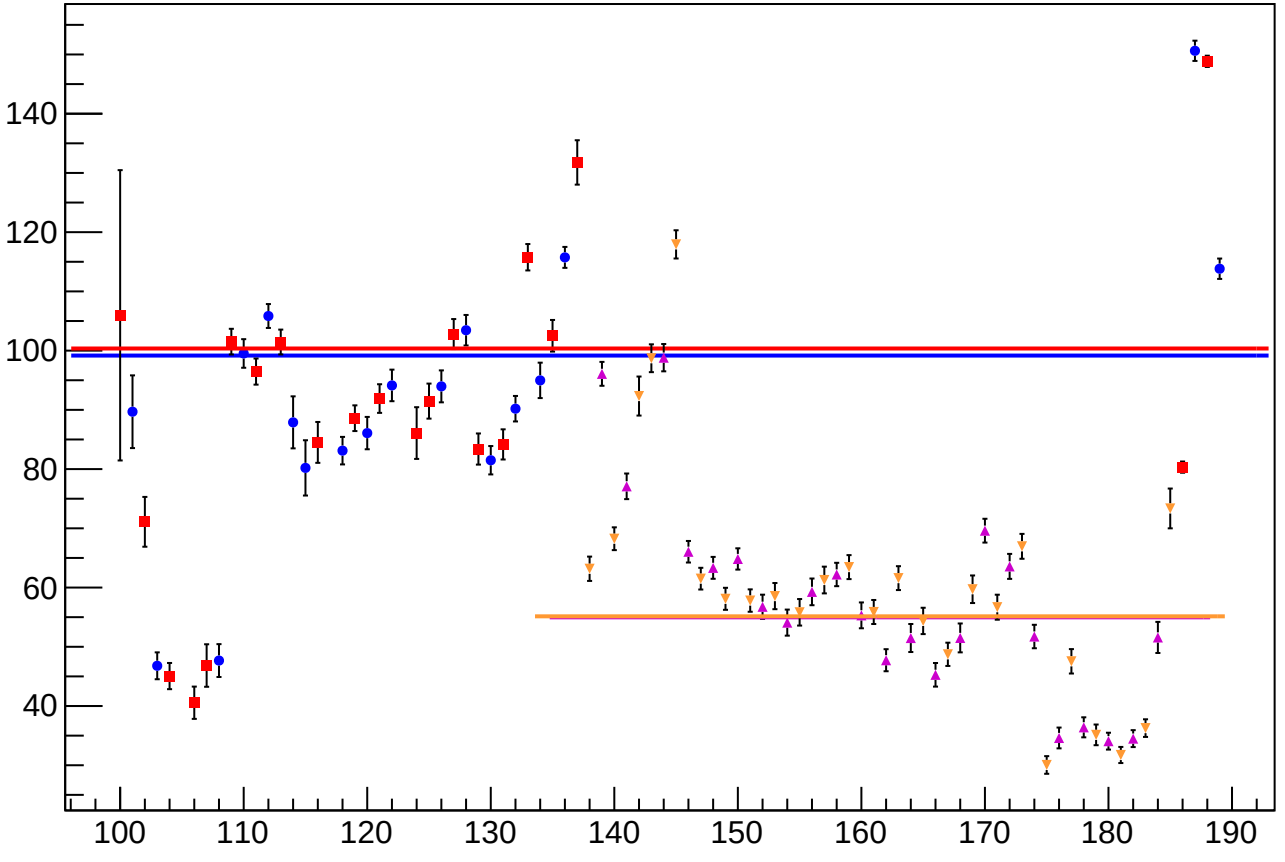
Left In: 4.215+/-0.312 χ^2/NDF:415.1/22

+ sign 7.270+/-0.265 χ^2/NDF: 1283.0/42

All: 7.133+/-0.187 χ^2/NDF: 2251.4/86

- sign 6.997+/-0.264 χ^2/NDF: 967.8/43

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug



Right In: 99.167+/-0.566 χ^2/NDF: 2134.8/17

Left Out: 55.142+/-0.397 χ^2/NDF:2242.4/24

Right Out: 100.360+/-0.454 χ^2/NDF: 4725.7/20

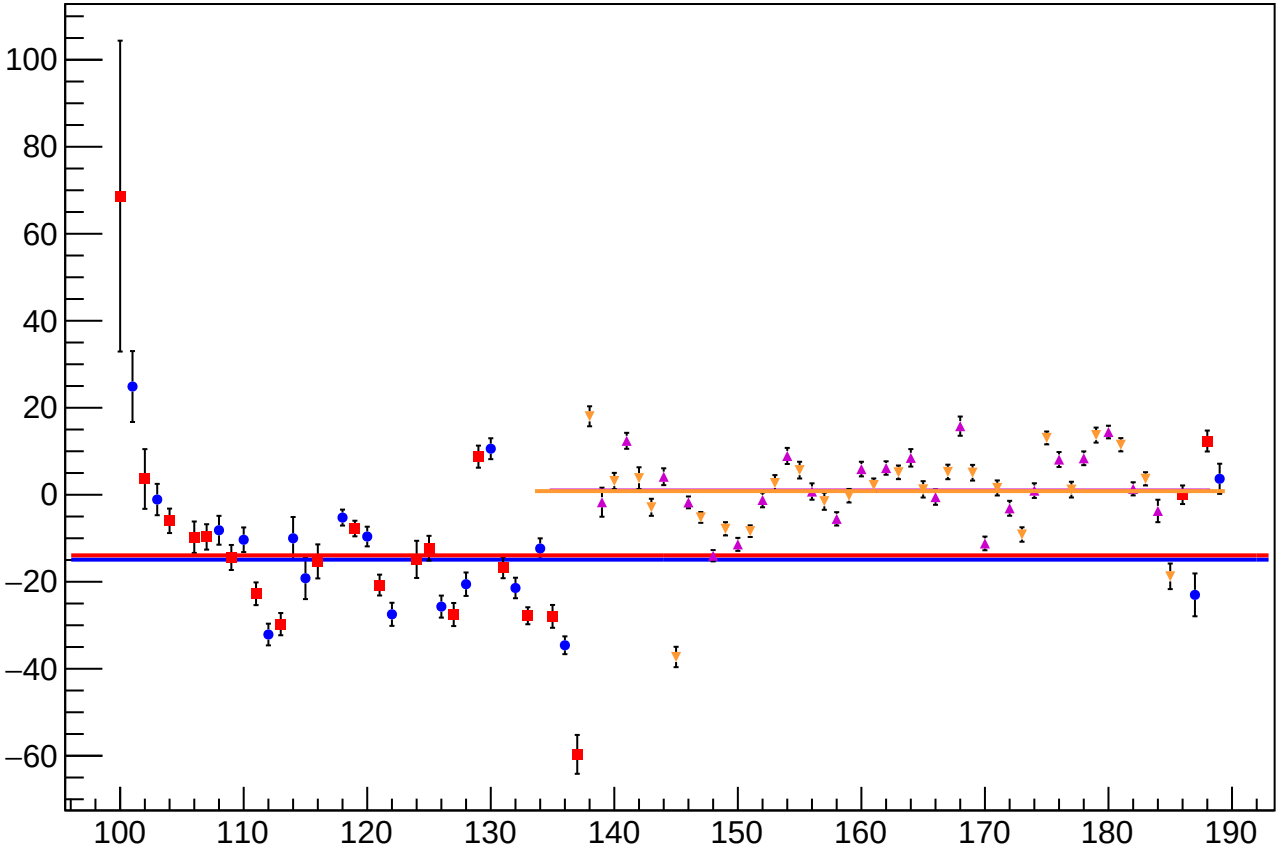
Left In: 54.972+/-0.406 χ^2/NDF:1780.5/22

+ sign 69.639+/-0.325 χ^2/NDF: 8428.6/42

All: 72.578+/-0.221 χ^2/NDF: 20646.8/86

- sign 75.121+/-0.302 χ^2/NDF: 12065.7/43

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug



Right In: -14.914+/-0.648 χ^2/NDF: 418.7/17

Left Out: 0.840+/-0.343 χ^2/NDF:717.2/24

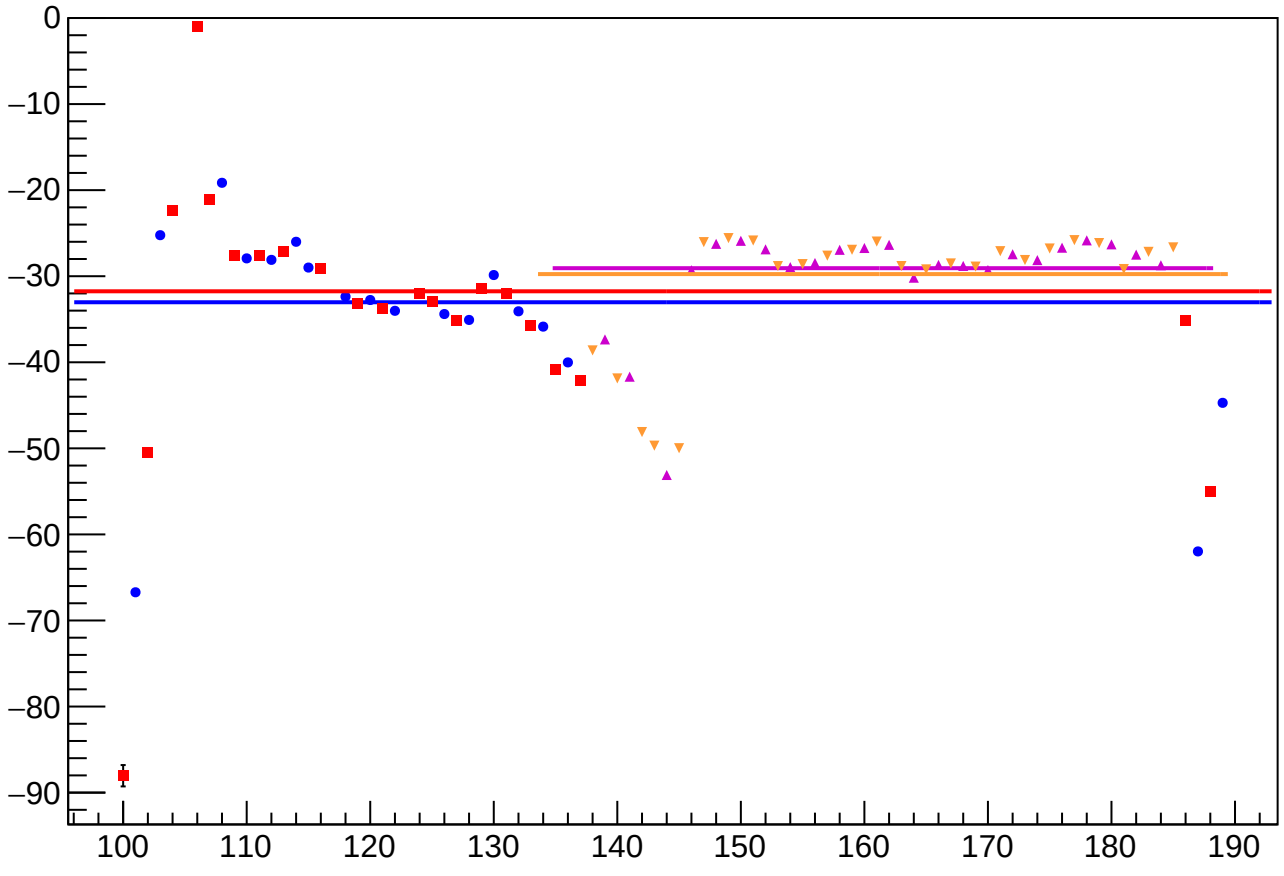
Right Out: -13.926+/-0.597 χ^2/NDF: 546.4/20

Left In: 0.980+/-0.353 χ^2/NDF:558.5/22

+ sign -2.608+/-0.303 χ^2/NDF: 1597.9/42

All: -2.747+/-0.215 χ^2/NDF: 3164.9/86

- sign -2.886+/-0.304 χ^2/NDF: 1566.5/43



Right In: -33.025+/-0.037 χ^2/NDF: 57673.4/17

Left Out: -29.754+/-0.016 χ^2/NDF:163552.5/24

Right Out: -31.753+/-0.036 χ^2/NDF: 136027.9/20

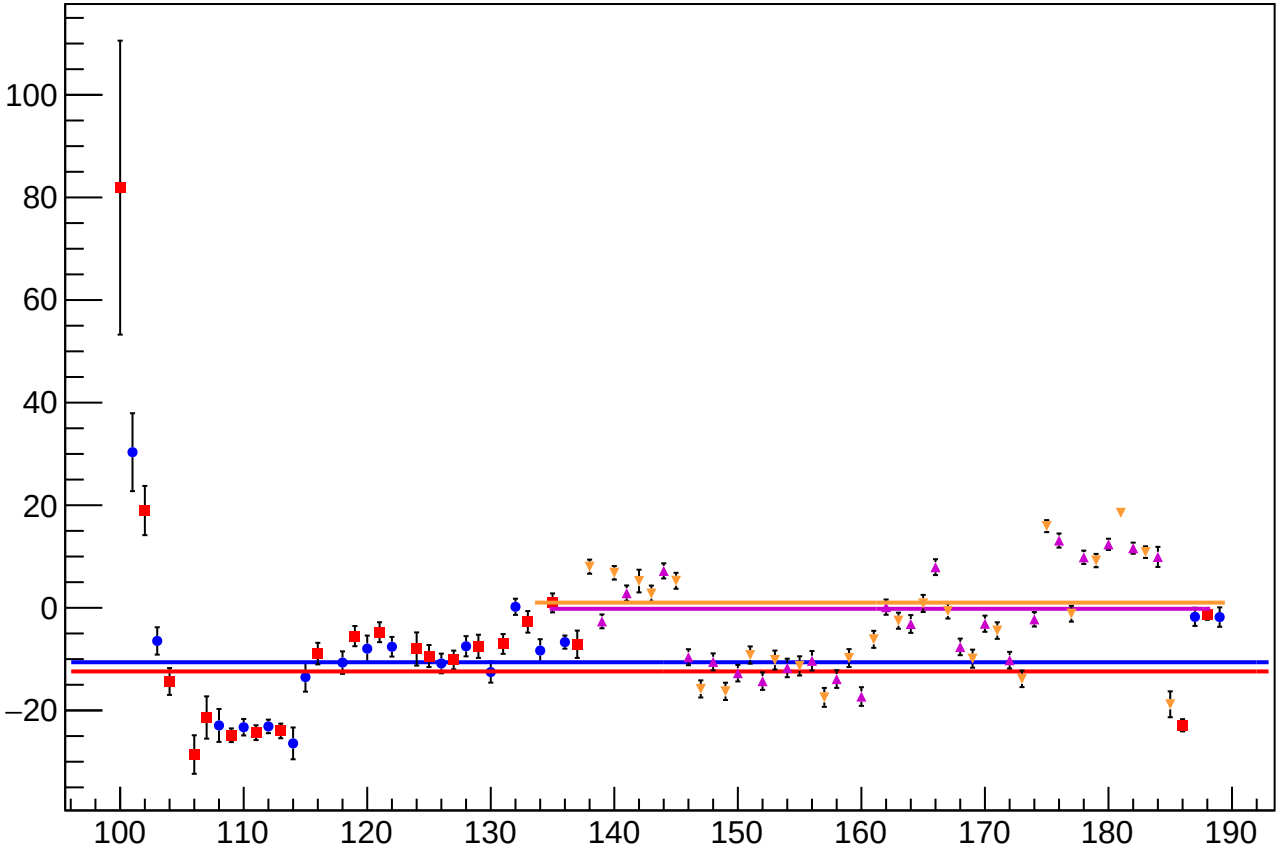
Left In: -29.067+/-0.016 χ^2/NDF:101545.6/22

+ sign -30.246+/-0.014 χ^2/NDF: 227859.3/42

All: -29.879+/-0.010 χ^2/NDF: 471487.5/86

- sign -29.508+/-0.014 χ^2/NDF: 242314.2/43

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug



Right In: -10.607+/-0.464 χ^2/NDF: 335.4/17

Left Out: 1.015+/-0.305 χ^2/NDF:1335.1/24

Right Out: -12.402+/-0.408 χ^2/NDF: 620.3/20

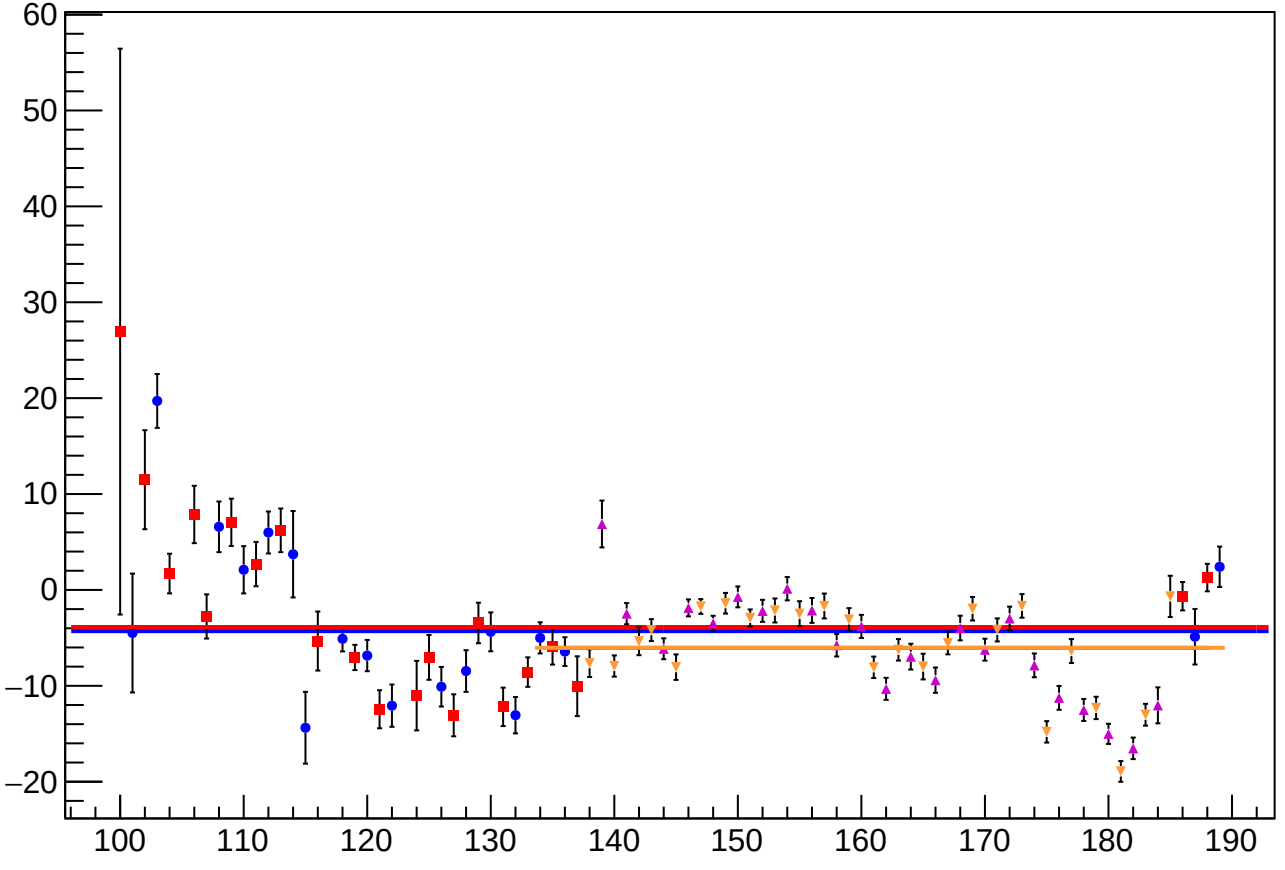
Left In: -0.192+/-0.315 χ^2/NDF:982.8/22

+ sign -2.490+/-0.255 χ^2/NDF: 2109.1/42

All: -3.642+/-0.178 χ^2/NDF: 4313.9/86

- sign -4.744+/-0.249 χ^2/NDF: 2164.8/43

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug



Right In: -4.300+/-0.495 χ^2/NDF: 189.8/17

Left Out: -6.035+/-0.233 χ^2/NDF:414.9/24

Right Out: -3.866+/-0.459 χ^2/NDF: 177.7/20

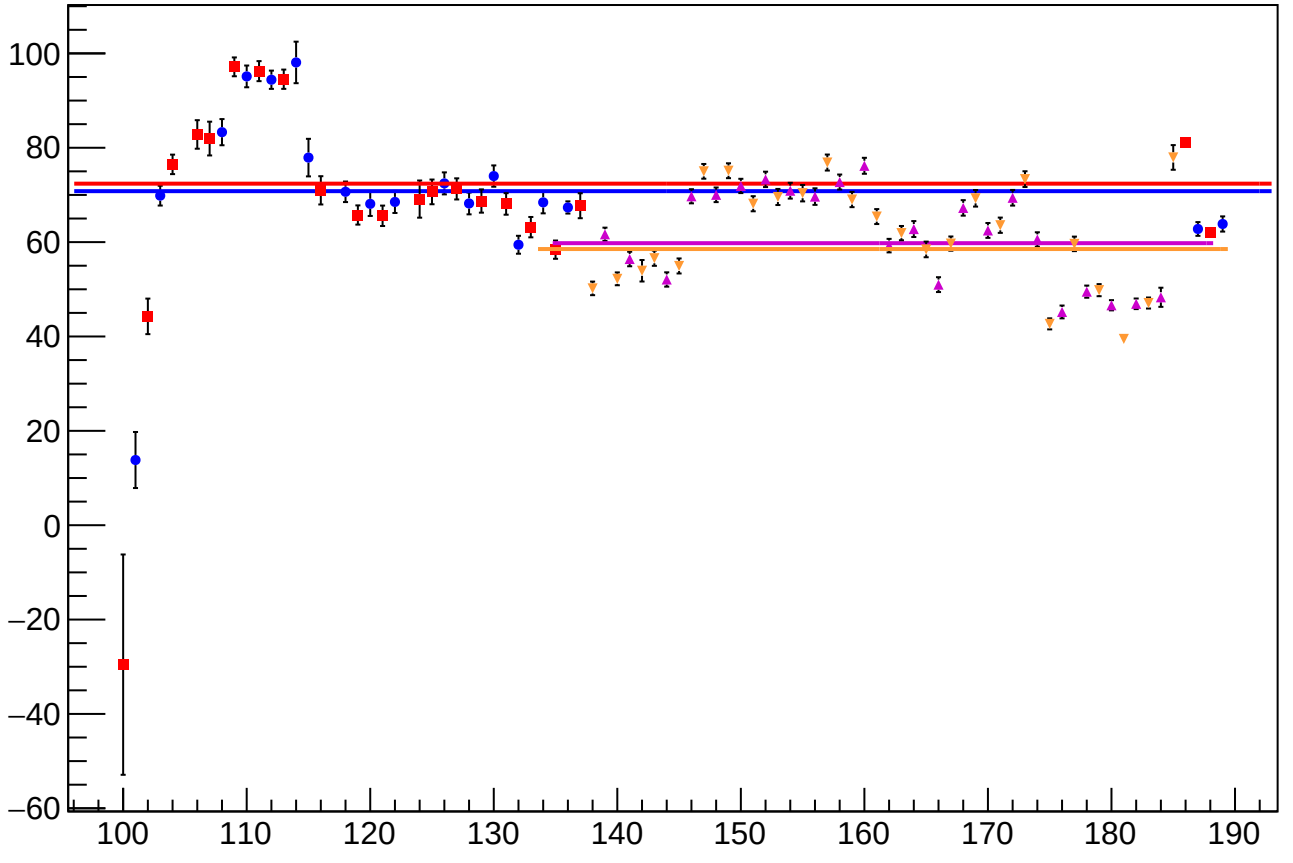
Left In: -6.043+/-0.243 χ^2/NDF:396.2/22

+ sign -5.720+/-0.211 χ^2/NDF: 614.8/42

All: -5.645+/-0.150 χ^2/NDF: 1206.5/86

- sign -5.567+/-0.215 χ^2/NDF: 591.5/43

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug



Right In: 70.802+/-0.501 χ^2/NDF: 513.0/17

Left Out: 58.535+/-0.303 χ^2/NDF:1449.2/24

Right Out: 72.391+/-0.417 χ^2/NDF: 835.2/20

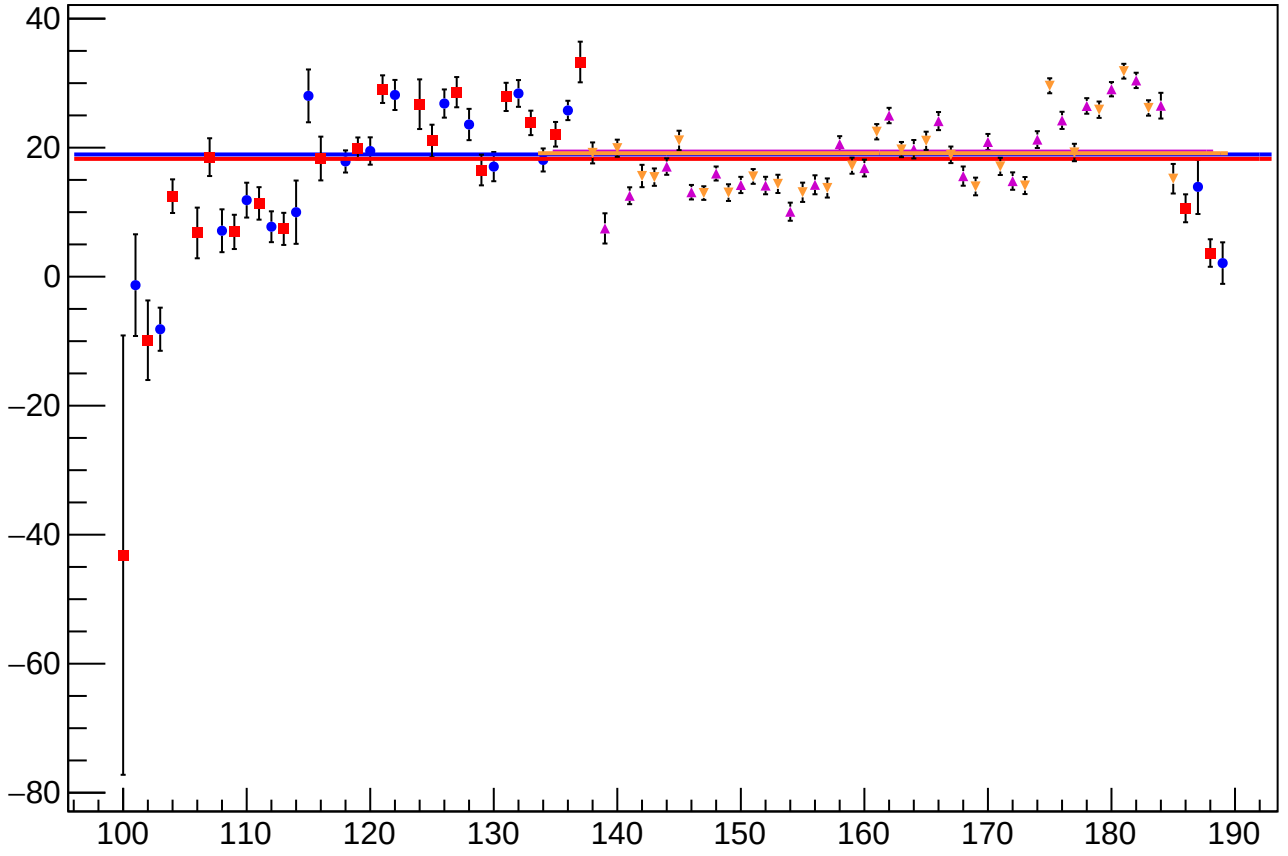
Left In: 59.777+/-0.312 χ^2/NDF:1070.5/22

\+ sign 61.820+/-0.259 χ^2/NDF: 2401.3/42

All: 63.105+/-0.180 χ^2/NDF: 4941.5/86

\- sign 64.296+/-0.250 χ^2/NDF: 2492.9/43

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug



Right In: 18.944+/-0.571 χ^2/NDF: 226.0/17

Left Out: 19.138+/-0.264 χ^2/NDF:433.7/24

Right Out: 18.261+/-0.546 χ^2/NDF: 248.7/20

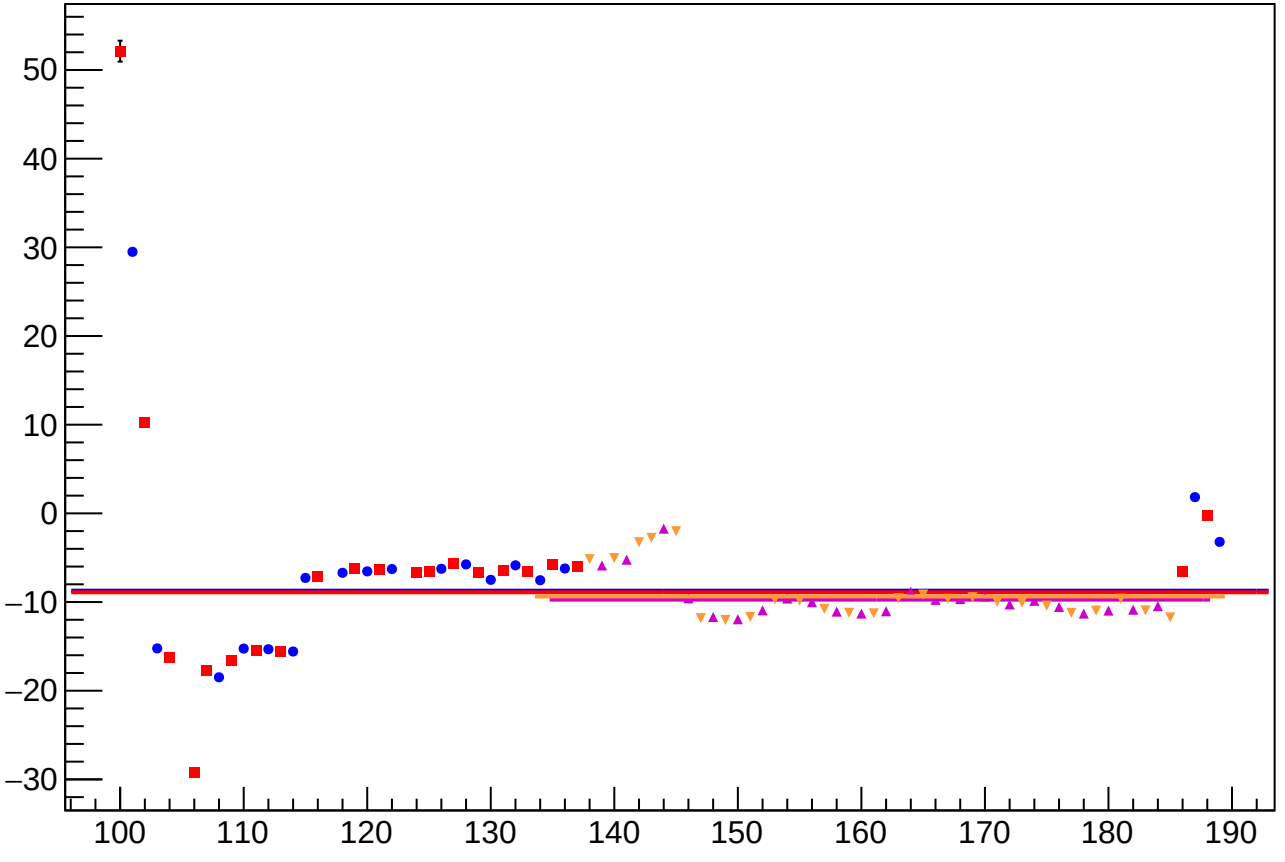
Left In: 19.390+/-0.274 χ^2/NDF:467.7/22

+ sign 19.104+/-0.240 χ^2/NDF: 659.8/42

All: 19.133+/-0.171 χ^2/NDF: 1379.7/86

- sign 19.163+/-0.245 χ^2/NDF: 719.8/43

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug



Right In: -8.720+/-0.032 χ^2/NDF: 35020.8/17

Left Out: -9.375+/-0.012 χ^2/NDF:49934.3/24

Right Out: -8.901+/-0.032 χ^2/NDF: 61530.3/20

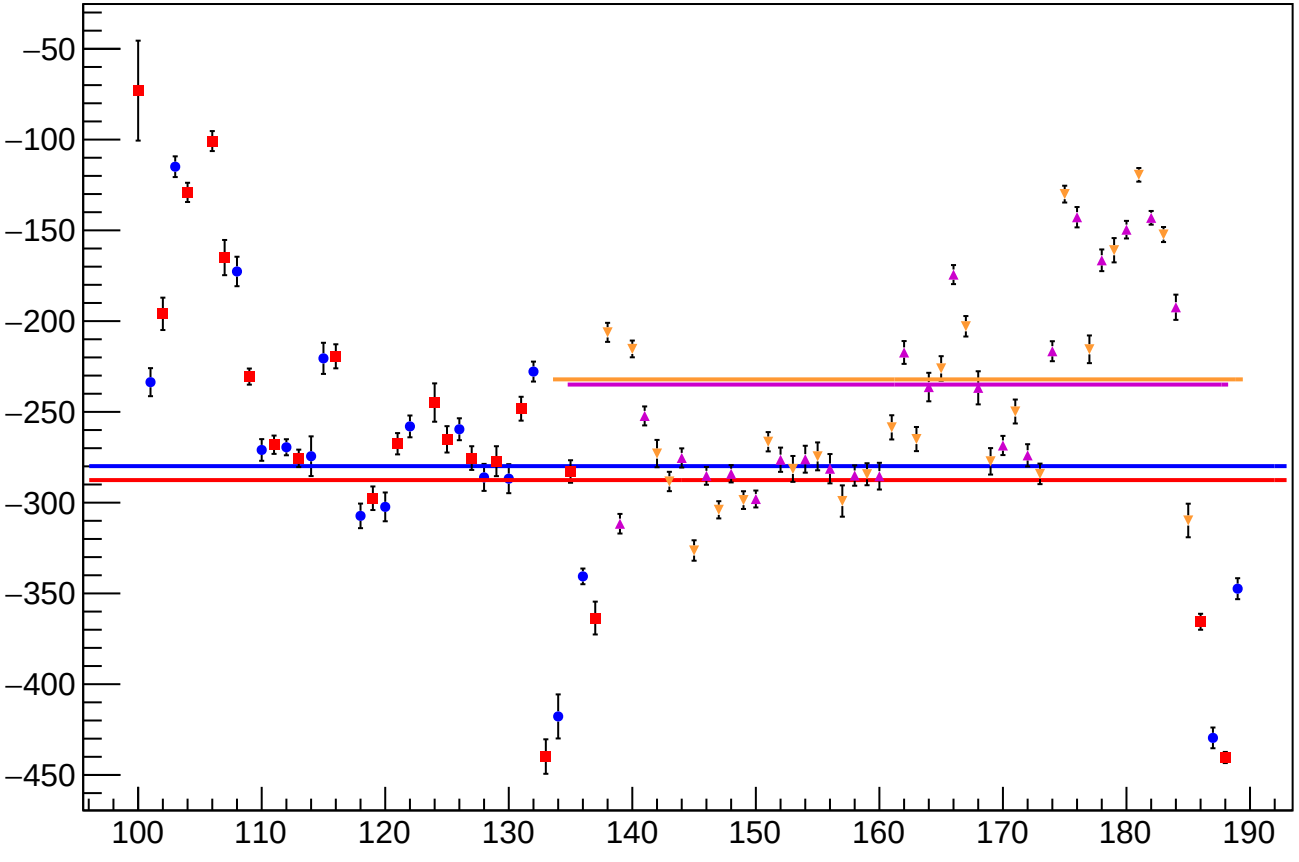
Left In: -9.726+/-0.012 χ^2/NDF:31951.7/22

+ sign -9.294+/-0.011 χ^2/NDF: 85329.1/42

All: -9.455+/-0.008 χ^2/NDF: 179819.2/86

- sign -9.623+/-0.011 χ^2/NDF: 94061.1/43

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug



Right In: -279.878+/-1.500 χ^2/NDF: 2392.6/17

Left Out: -232.091+/-1.143 χ^2/NDF:3269.9/24

Right Out: -287.567+/-1.292 χ^2/NDF: 5870.6/20

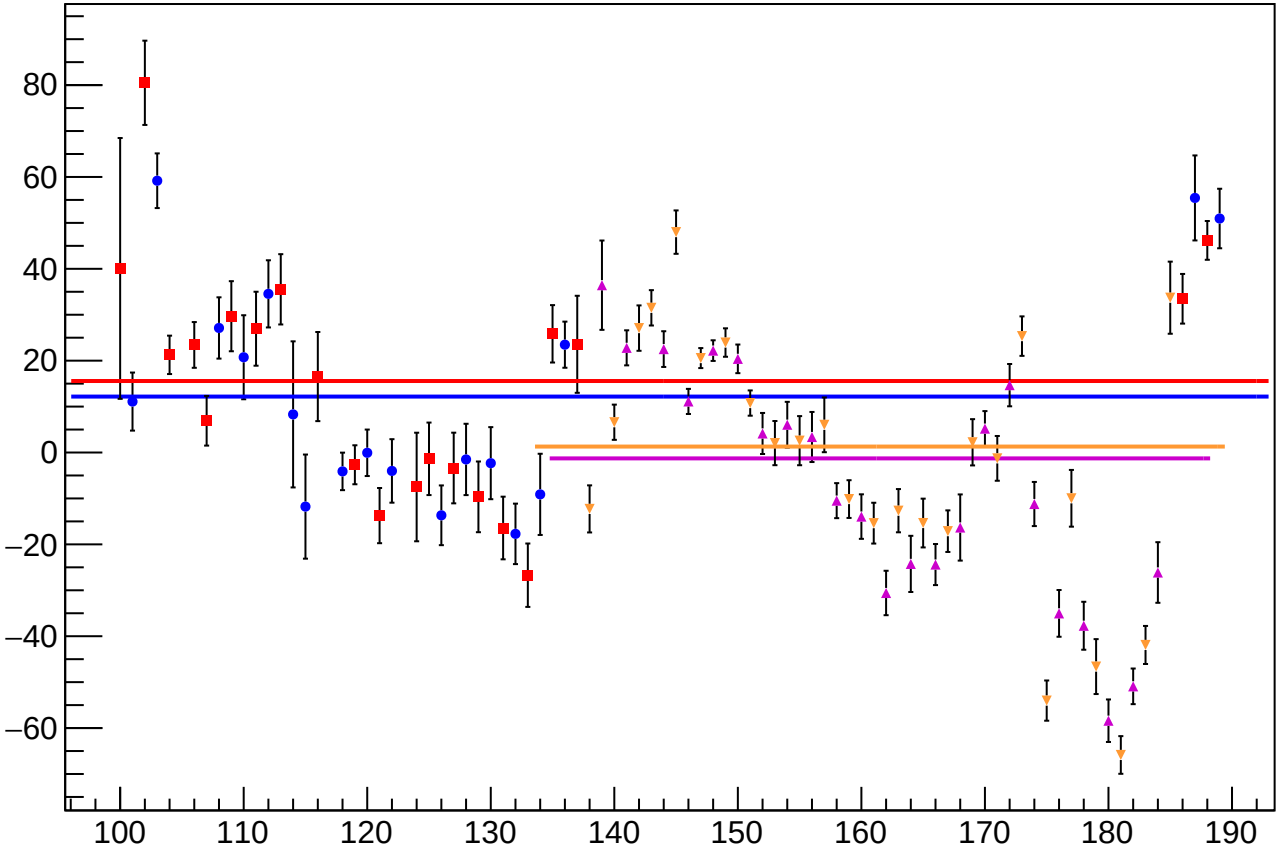
Left In: -234.951+/-1.176 χ^2/NDF:2470.2/22

+ sign -249.651+/-0.909 χ^2/NDF: 6304.8/42

All: -254.419+/-0.628 χ^2/NDF: 15605.5/86

- sign -258.783+/-0.870 χ^2/NDF: 9248.0/43

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs Slug



Right In: 12.180+/-1.570 χ^2/NDF: 220.8/17

Left Out: 1.295+/-0.837 χ^2/NDF:1049.5/24

Right Out: 15.569+/-1.397 χ^2/NDF: 263.8/20

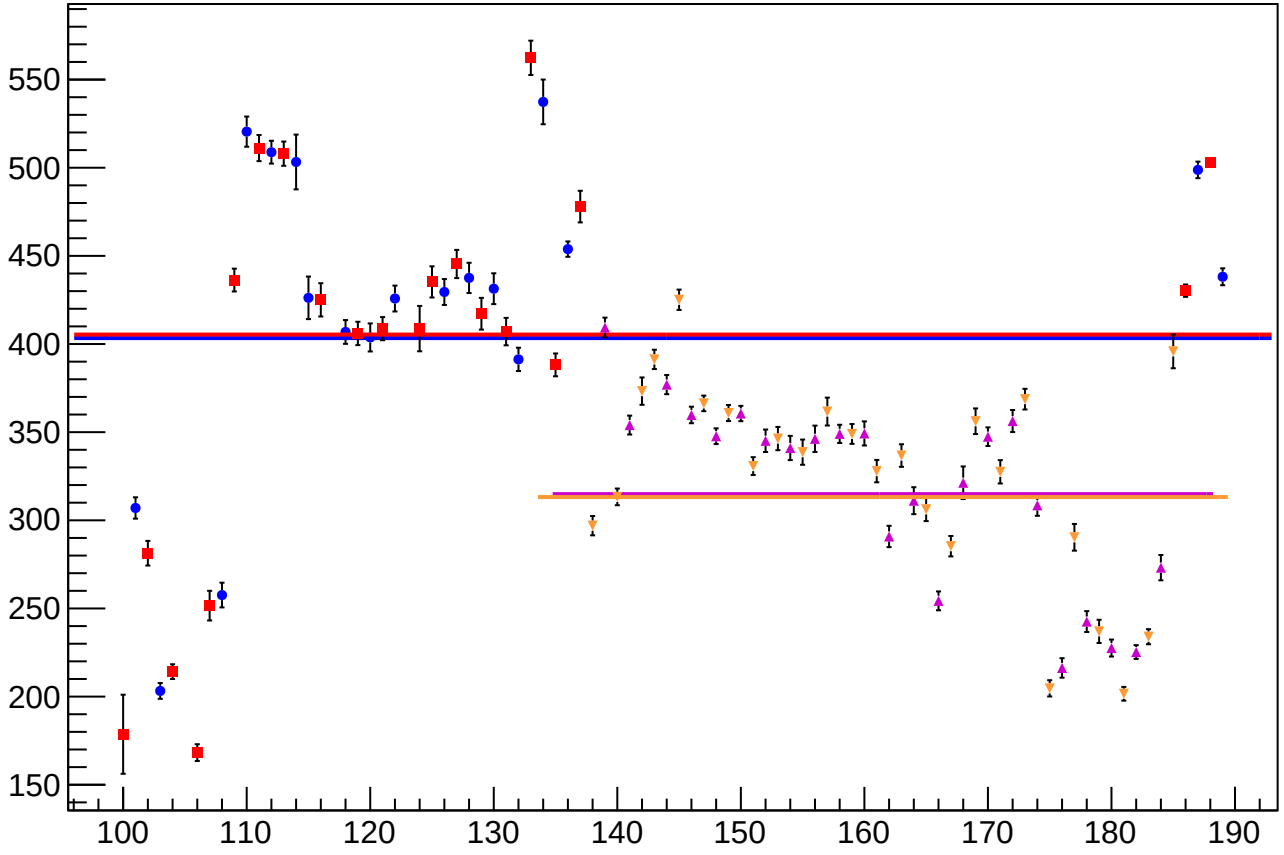
Left In: -1.280+/-0.869 χ^2/NDF:811.2/22

+ sign 3.703+/-0.739 χ^2/NDF: 1307.7/42

All: 3.562+/-0.522 χ^2/NDF: 2487.7/86

- sign 3.421+/-0.738 χ^2/NDF: 1180.0/43

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug



Right In: 403.360+/-1.546 χ^2/NDF: 3943.9/17

Left Out: 313.197+/-1.134 χ^2/NDF:3135.7/24

Right Out: 405.362+/-1.275 χ^2/NDF: 7777.3/20

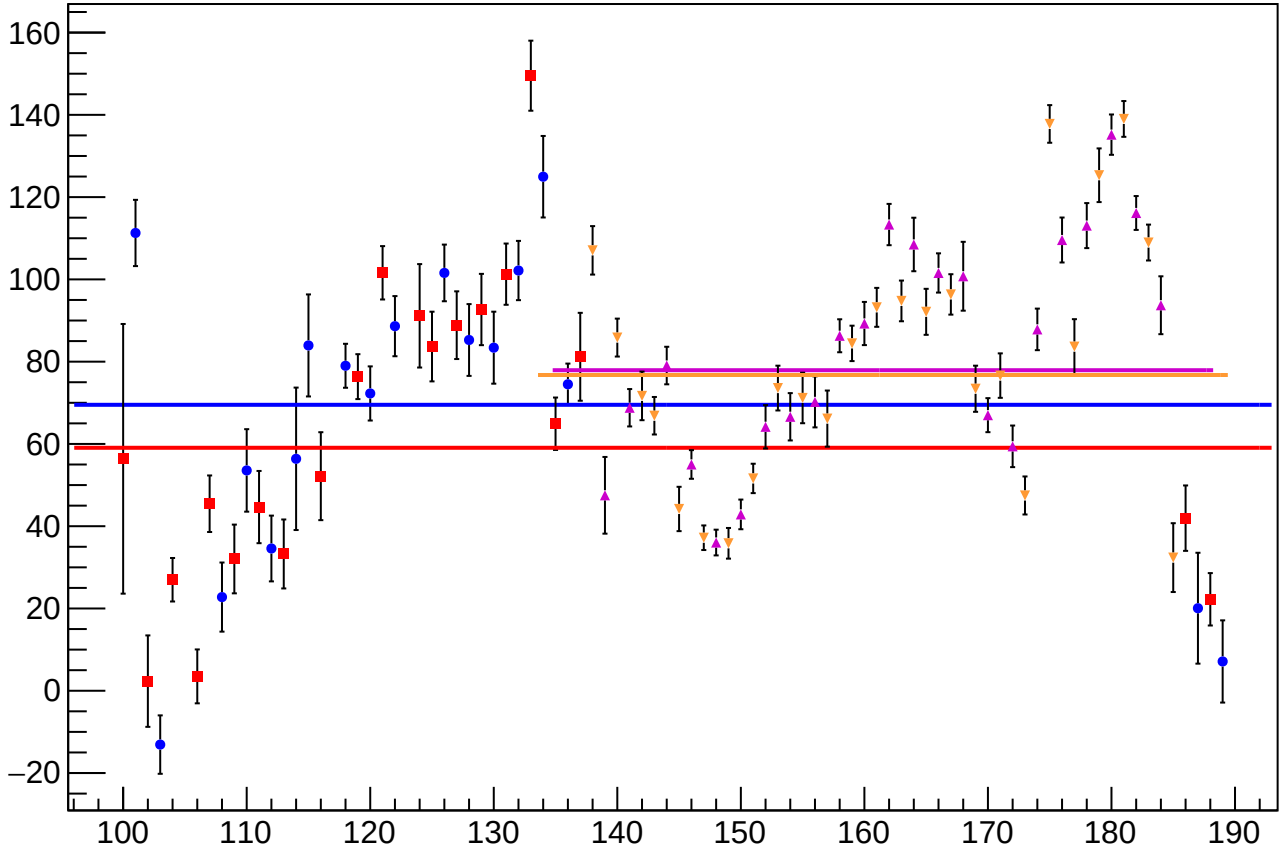
Left In: 314.864+/-1.161 χ^2/NDF:2429.0/22

+ sign 344.738+/-0.914 χ^2/NDF: 9291.2/42

All: 350.679+/-0.626 χ^2/NDF: 22331.5/86

- sign 355.916+/-0.858 χ^2/NDF: 12960.8/43

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug



Right In: 69.512+/-1.846 χ^2/NDF: 359.7/17

Left Out: 76.758+/-0.967 χ^2/NDF:1035.3/24

Right Out: 59.066+/-1.688 χ^2/NDF: 446.1/20

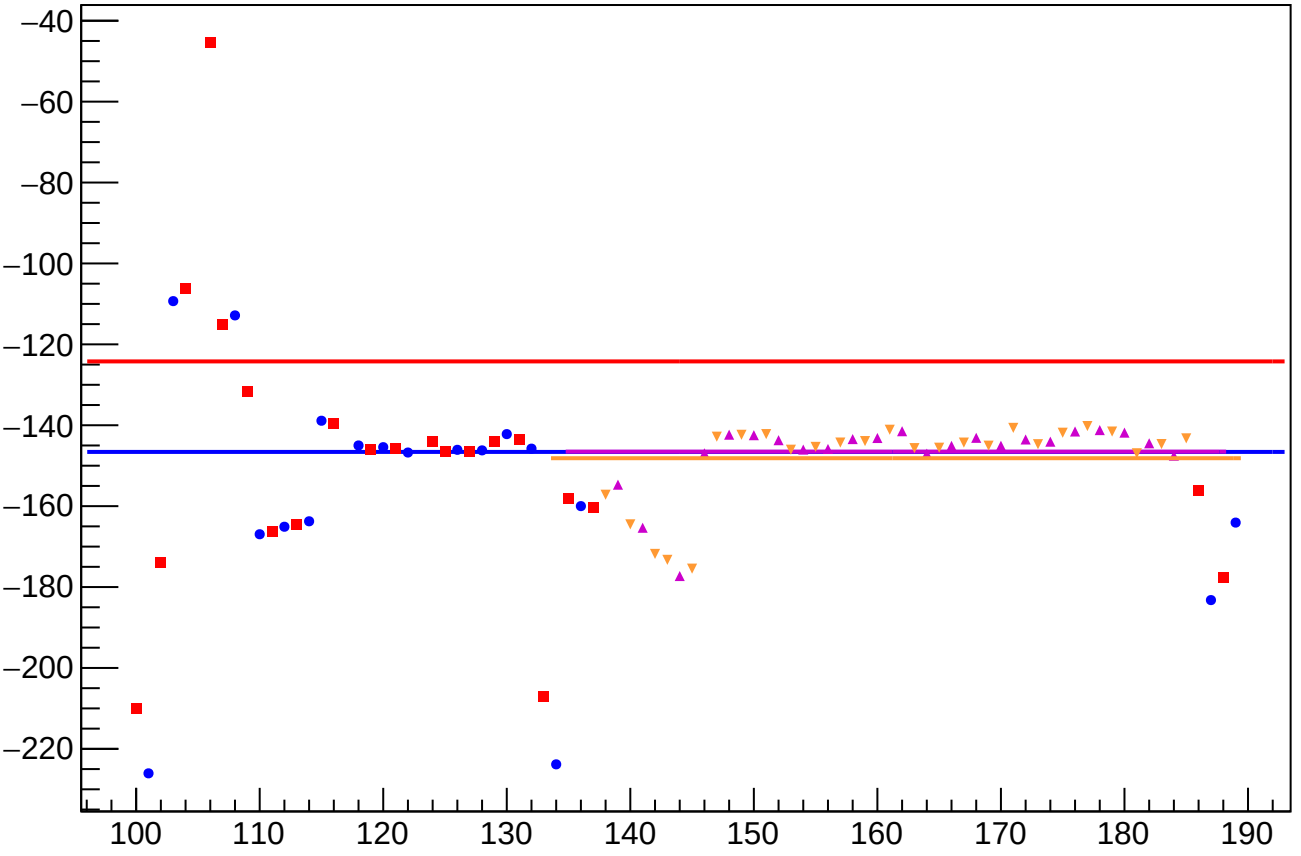
Left In: 77.923+/-0.997 χ^2/NDF:783.8/22

+ sign 75.199+/-0.856 χ^2/NDF: 1407.1/42

All: 74.126+/-0.606 χ^2/NDF: 2732.7/86

- sign 73.048+/-0.858 χ^2/NDF: 1322.5/43

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug



Right In: -146.592+/-0.096 χ^2/NDF: 135908.8/17

Left Out: -148.148+/-0.045 χ^2/NDF:48910.2/24

Right Out: -124.217+/-0.085 χ^2/NDF: 299429.5/20

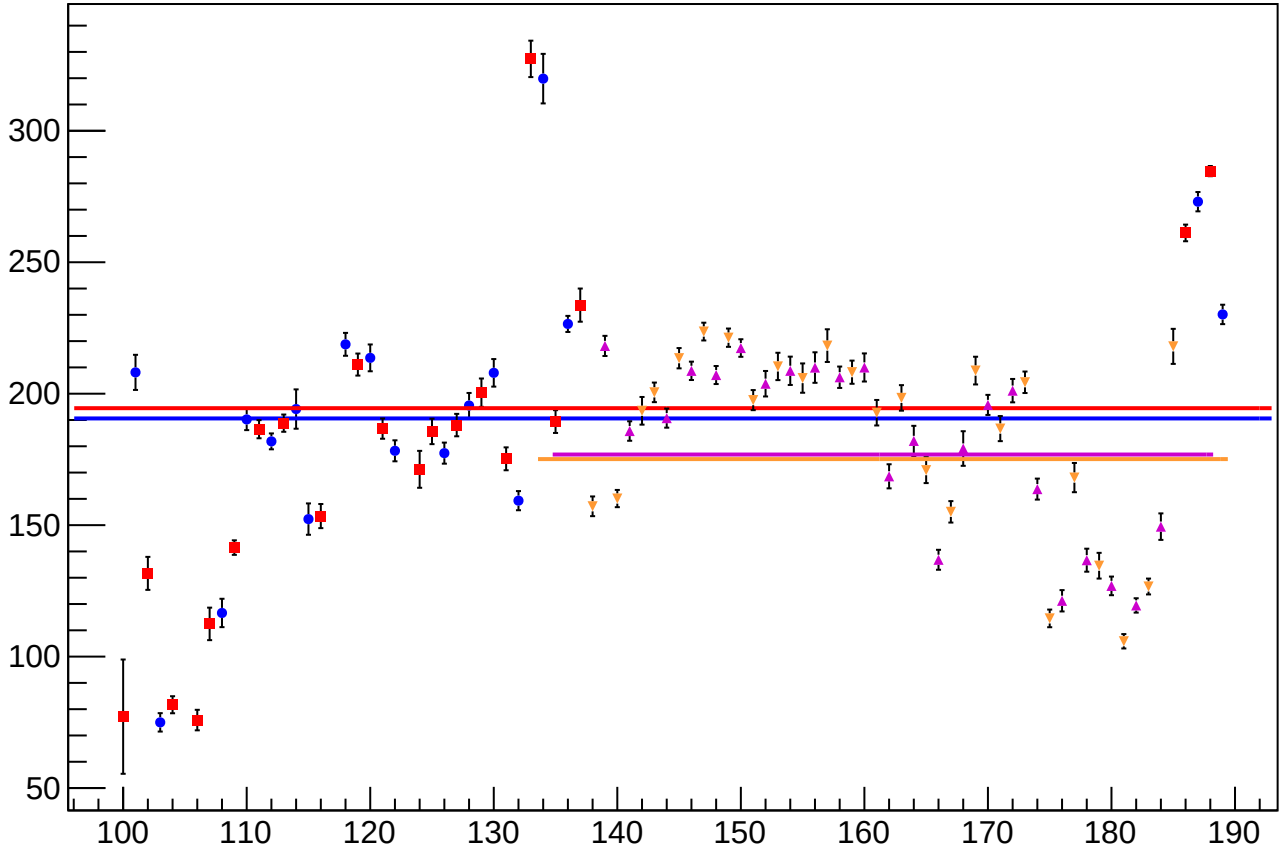
Left In: -146.523+/-0.046 χ^2/NDF:29172.3/22

+ sign -147.865+/-0.041 χ^2/NDF: 185035.8/42

All: -144.669+/-0.029 χ^2/NDF: 579009.1/86

- sign -141.568+/-0.040 χ^2/NDF: 381871.9/43

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug



Right In: 190.589+/-1.004 χ^2/NDF: 2446.7/17

Left Out: 175.126+/-0.822 χ^2/NDF:2295.2/24

Right Out: 194.488+/-0.856 χ^2/NDF: 5976.3/20

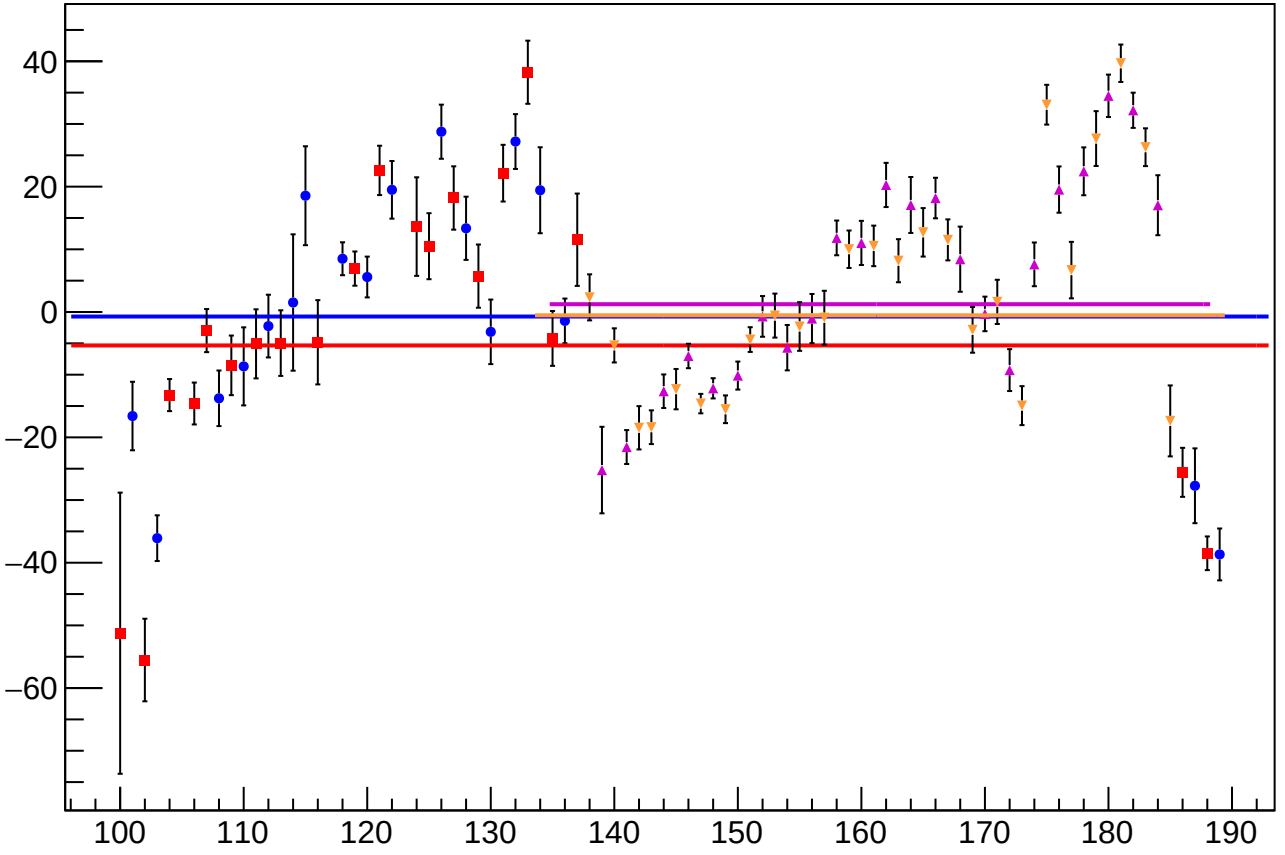
Left In: 176.862+/-0.847 χ^2/NDF:1756.1/22

\+ sign 181.328+/-0.636 χ^2/NDF: 4883.8/42

All: 183.572+/-0.437 χ^2/NDF: 12854.1/86

\- sign 185.583+/-0.602 χ^2/NDF: 7946.7/43

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug



Right In: -0.722+/-1.051 χ^2/NDF: 362.9/17

Left Out: -0.523+/-0.601 χ^2/NDF:724.5/24

Right Out: -5.332+/-0.921 χ^2/NDF: 488.5/20

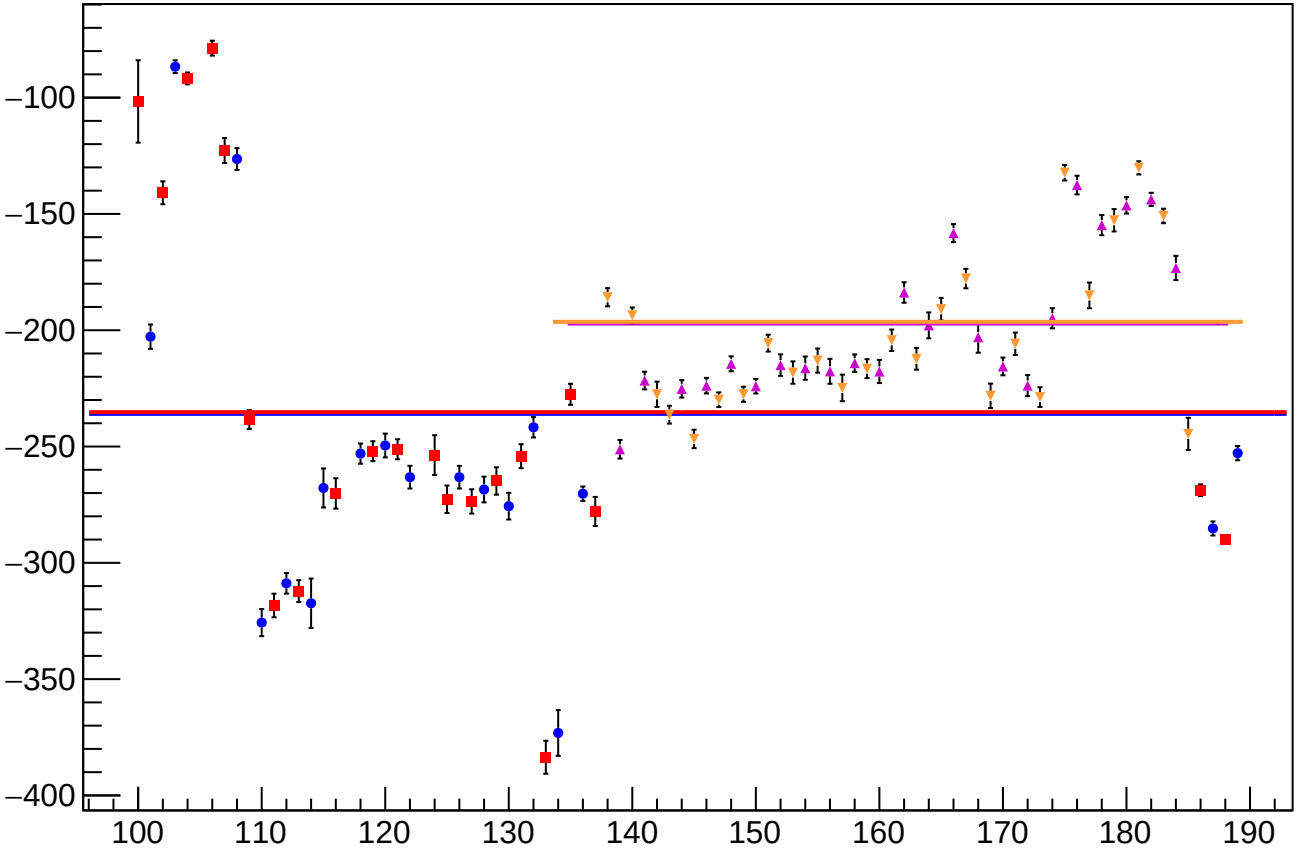
Left In: 1.244+/-0.625 χ^2/NDF:620.6/22

+ sign -0.572+/-0.521 χ^2/NDF: 1087.4/42

All: -0.704+/-0.367 χ^2/NDF: 2231.5/86

- sign -0.833+/-0.517 χ^2/NDF: 1144.0/43

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug



Right In: -235.957+/-1.031 χ^2/NDF: 4906.8/17

Left Out: -196.380+/-0.816 χ^2/NDF:1997.7/24

Right Out: -235.213+/-0.840 χ^2/NDF: 9024.1/20

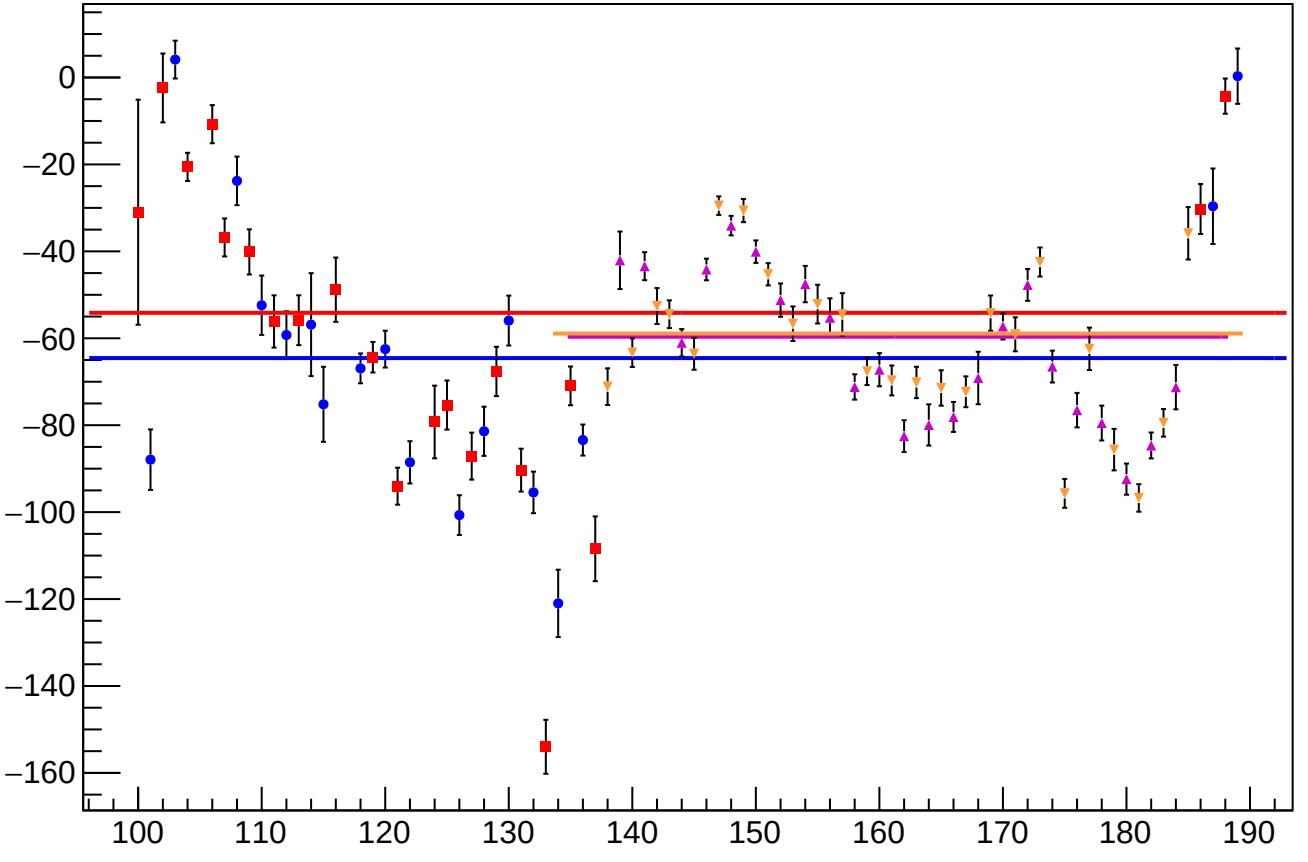
Left In: -197.128+/-0.837 χ^2/NDF:1601.5/22

+ sign -211.609+/-0.640 χ^2/NDF: 7810.2/42

All: -214.025+/-0.435 χ^2/NDF: 19494.1/86

- sign -216.100+/-0.593 χ^2/NDF: 11657.4/43

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug



Right In: -64.556+/-1.240 χ^2/NDF: 661.0/17

Left Out: -58.910+/-0.695 χ^2/NDF:782.5/24

Right Out: -54.142+/-1.115 χ^2/NDF: 984.0/20

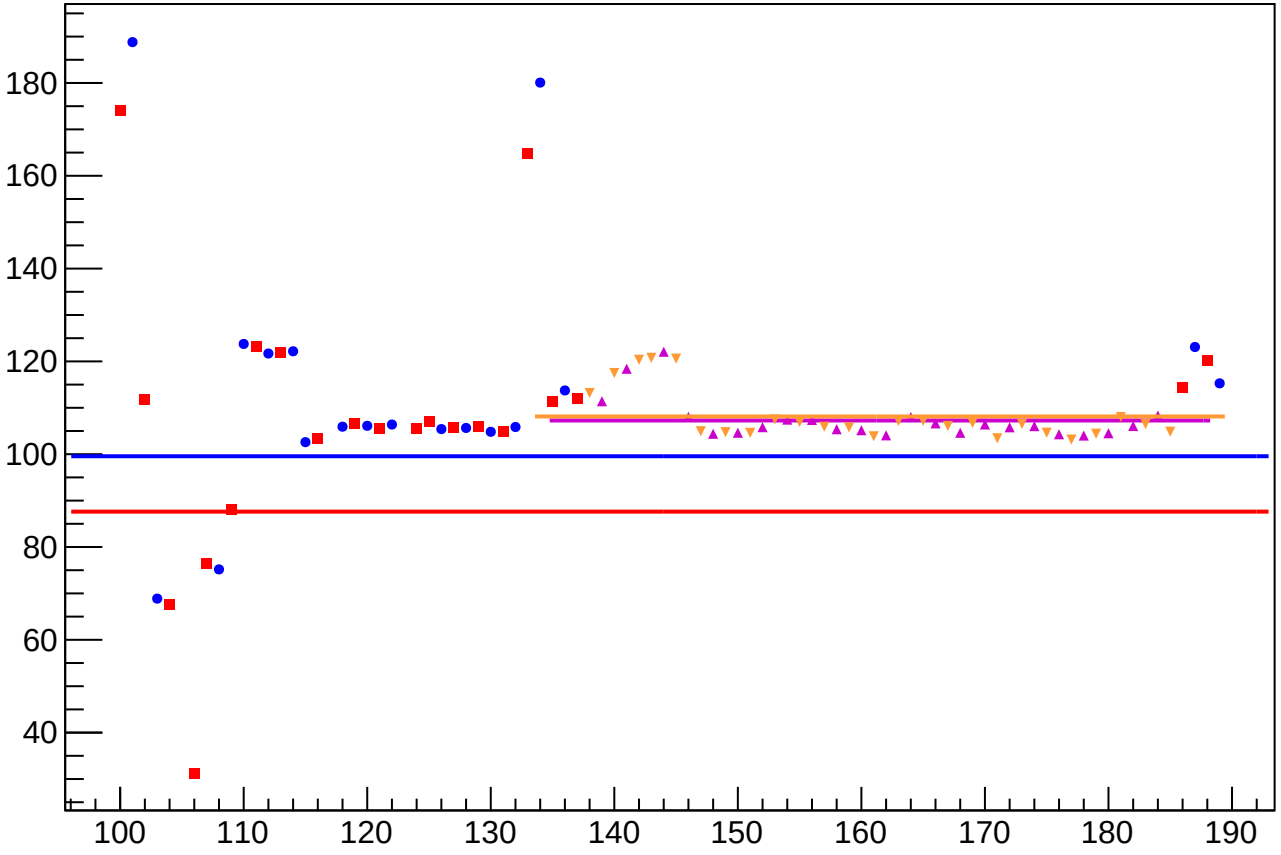
Left In: -59.637+/-0.718 χ^2/NDF:597.0/22

+ sign -60.258+/-0.606 χ^2/NDF: 1459.3/42

All: -59.137+/-0.428 χ^2/NDF: 3064.3/86

- sign -58.025+/-0.604 χ^2/NDF: 1598.2/43

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug



Right In: 99.560+/-0.064 χ^2/NDF: 233783.8/17

Left Out: 108.136+/-0.032 χ^2/NDF:26420.1/24

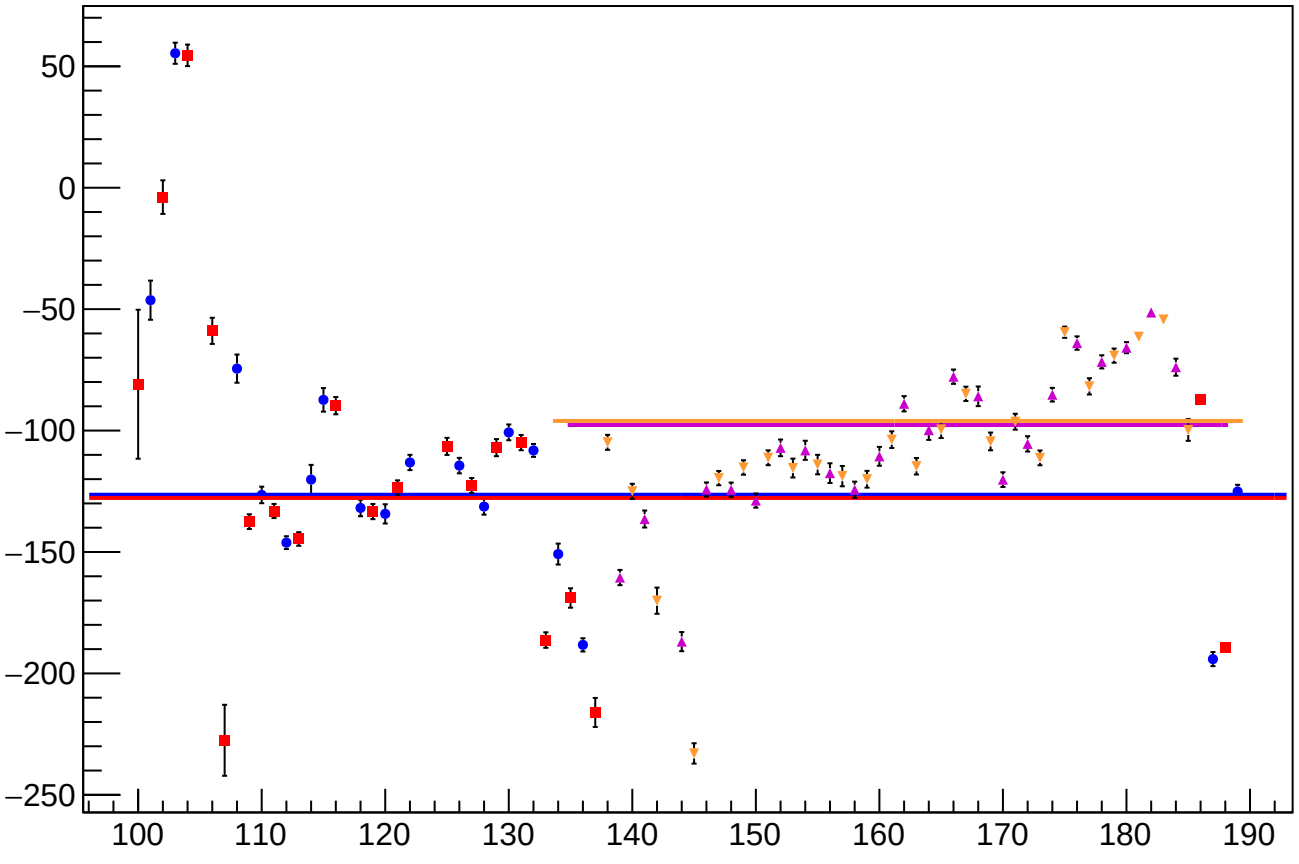
Right Out: 87.620+/-0.058 χ^2/NDF: 298192.4/20

Left In: 107.266+/-0.033 χ^2/NDF:16879.3/22

\+ sign 106.380+/-0.029 χ^2/NDF: 274502.3/42

All: 104.402+/-0.020 χ^2/NDF: 686066.2/86

\- sign 102.476+/-0.029 χ^2/NDF: 402343.5/43



Right In: -126.426+/-0.814 χ^2/NDF: 3285.4/17

Left Out: -96.026+/-0.635 χ^2/NDF:2770.9/23

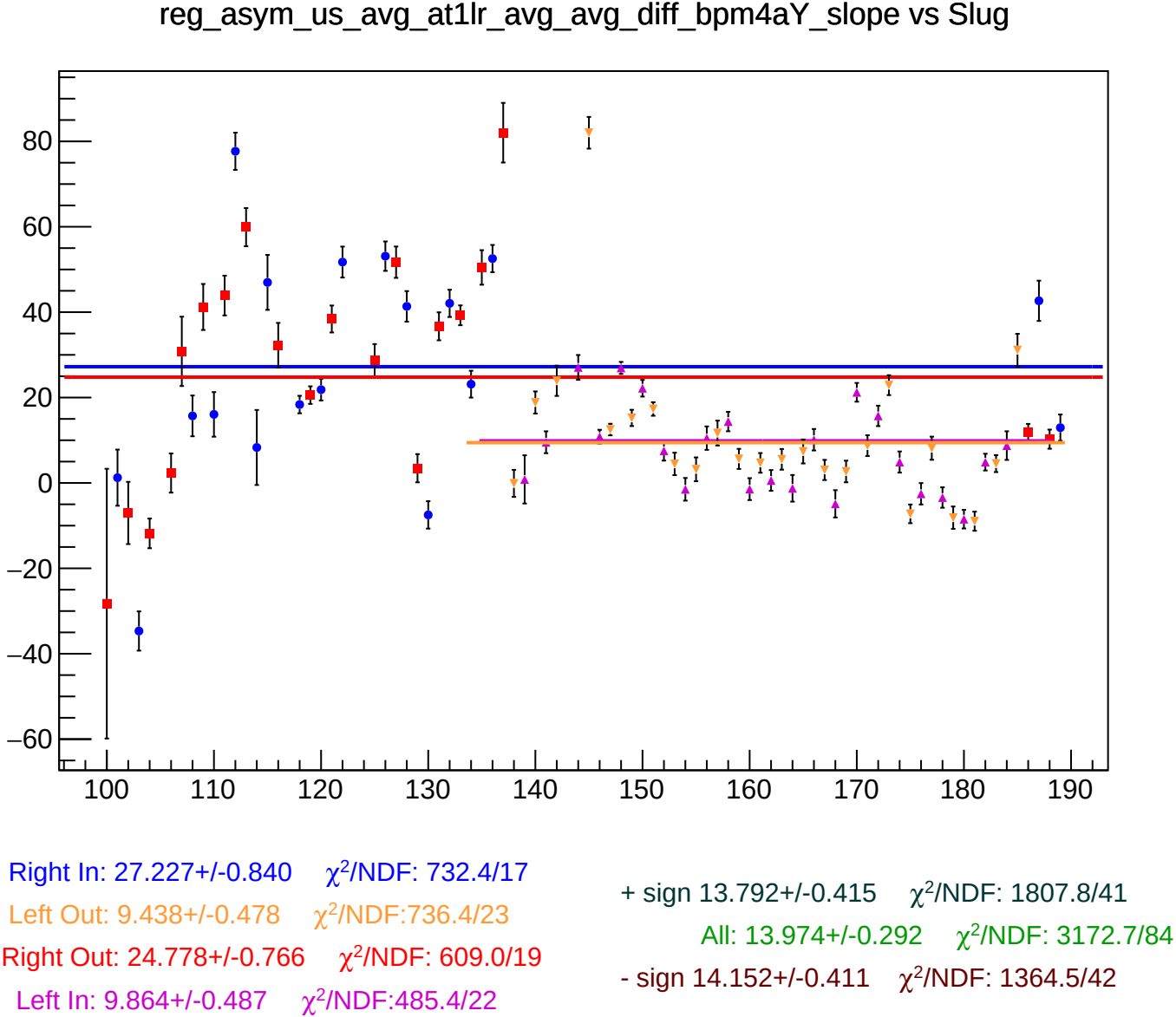
Right Out: -127.733+/-0.699 χ^2/NDF: 5207.9/19

Left In: -97.713+/-0.639 χ^2/NDF:2640.9/22

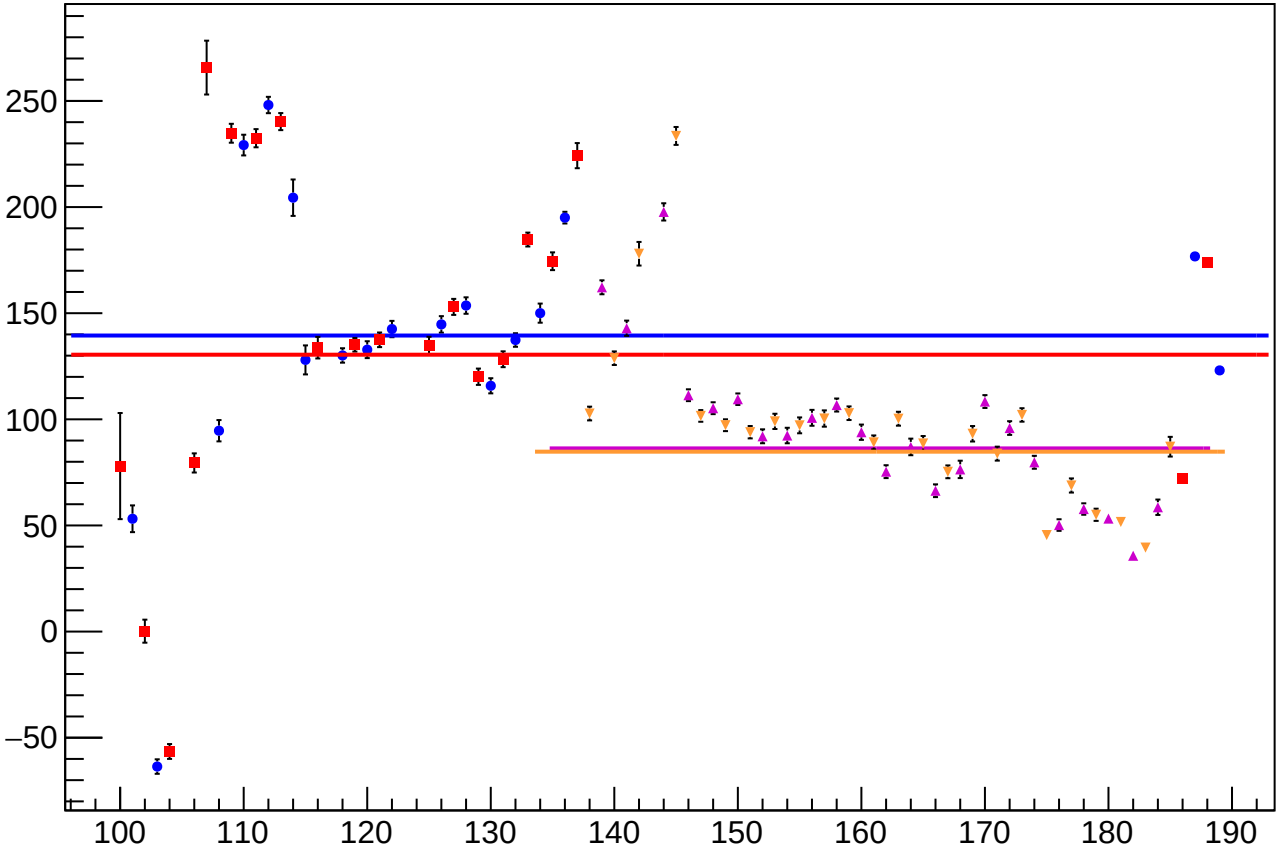
+ sign -107.527+/-0.501 χ^2/NDF: 6923.7/41

All: -109.567+/-0.343 χ^2/NDF: 15809.7/84

- sign -111.376+/-0.471 χ^2/NDF: 8854.6/42


reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug
80
60
40
20
0
−20
−40
−60
100
110
120
130
140
150
160
170
180
190
Right In: 27.227+/-0.840 χ²/NDF: 732.4/17
Left Out: 9.438+/-0.478 χ²/NDF:736.4/23
Right Out: 24.778+/-0.766 χ²/NDF: 609.0/19
Left In: 9.864+/-0.487 χ²/NDF:485.4/22
+ sign 13.792+/-0.415 χ²/NDF: 1807.8/41
All: 13.974+/-0.292 χ²/NDF: 3172.7/84
- sign 14.152+/-0.411 χ²/NDF: 1364.5/42

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 139.479+/-0.858 χ^2/NDF: 5770.2/17

Left Out: 84.759+/-0.629 χ^2/NDF:3110.5/23

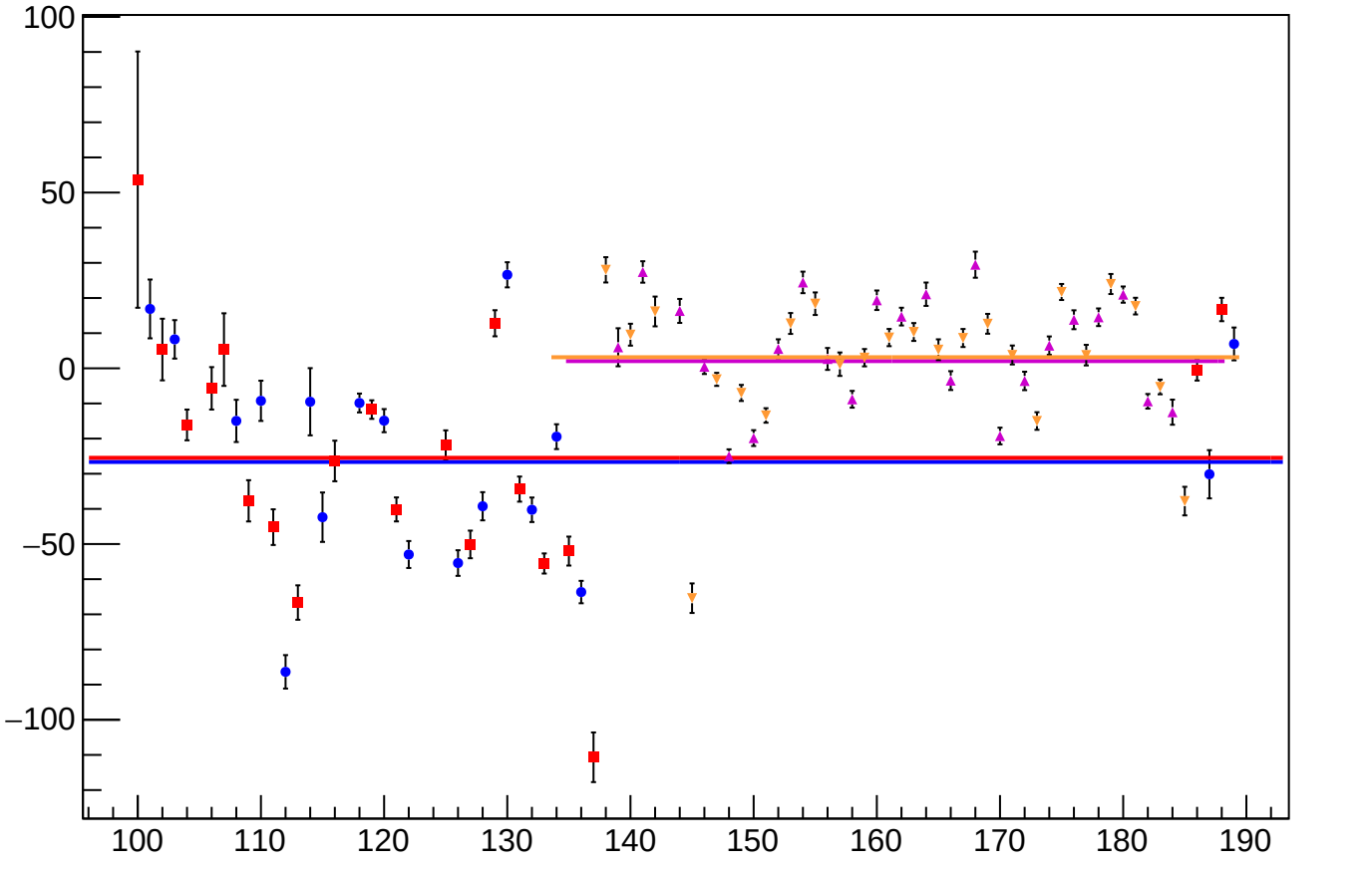
Right Out: 130.444+/-0.681 χ^2/NDF: 9273.3/19

Left In: 86.300+/-0.632 χ^2/NDF:3152.8/22

\+ sign 103.904+/-0.507 χ^2/NDF: 11527.5/41

All: 105.448+/-0.342 χ^2/NDF: 26230.1/84

\- sign 106.734+/-0.463 χ^2/NDF: 14685.6/42



Right In: -26.643+/-0.988 χ^2/NDF: 845.4/17

Left Out: 3.151+/-0.544 χ^2/NDF:813.9/23

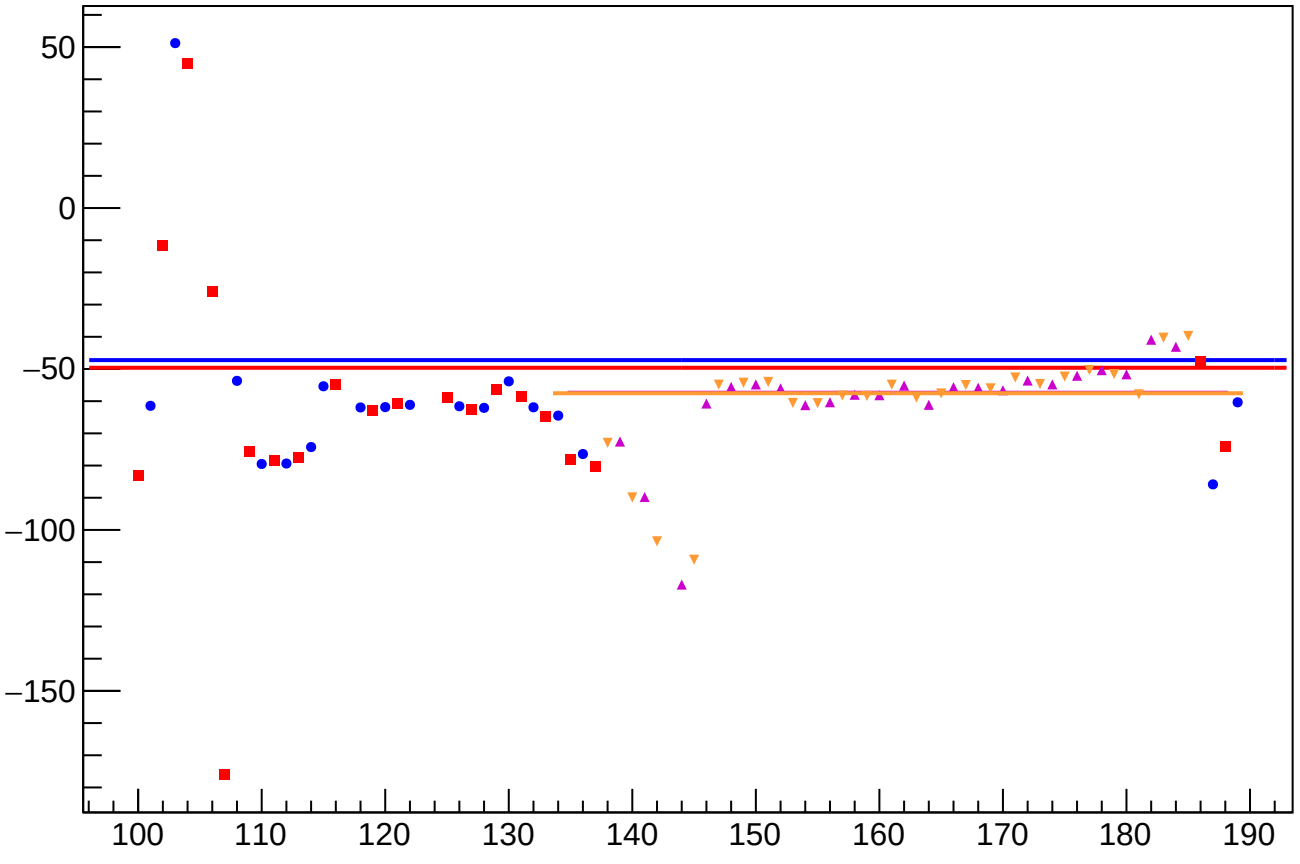
Right Out: -25.469+/-0.932 χ^2/NDF: 858.3/19

Left In: 2.050+/-0.551 χ^2/NDF:850.8/22

+ sign -3.773+/-0.476 χ^2/NDF: 2357.1/41

All: -4.426+/-0.336 χ^2/NDF: 4715.6/84

- sign -5.072+/-0.474 χ^2/NDF: 2354.7/42



Right In: -47.243+/-0.057 χ^2/NDF: 590966.6/17

Left Out: -57.532+/-0.025 χ^2/NDF:267030.7/23

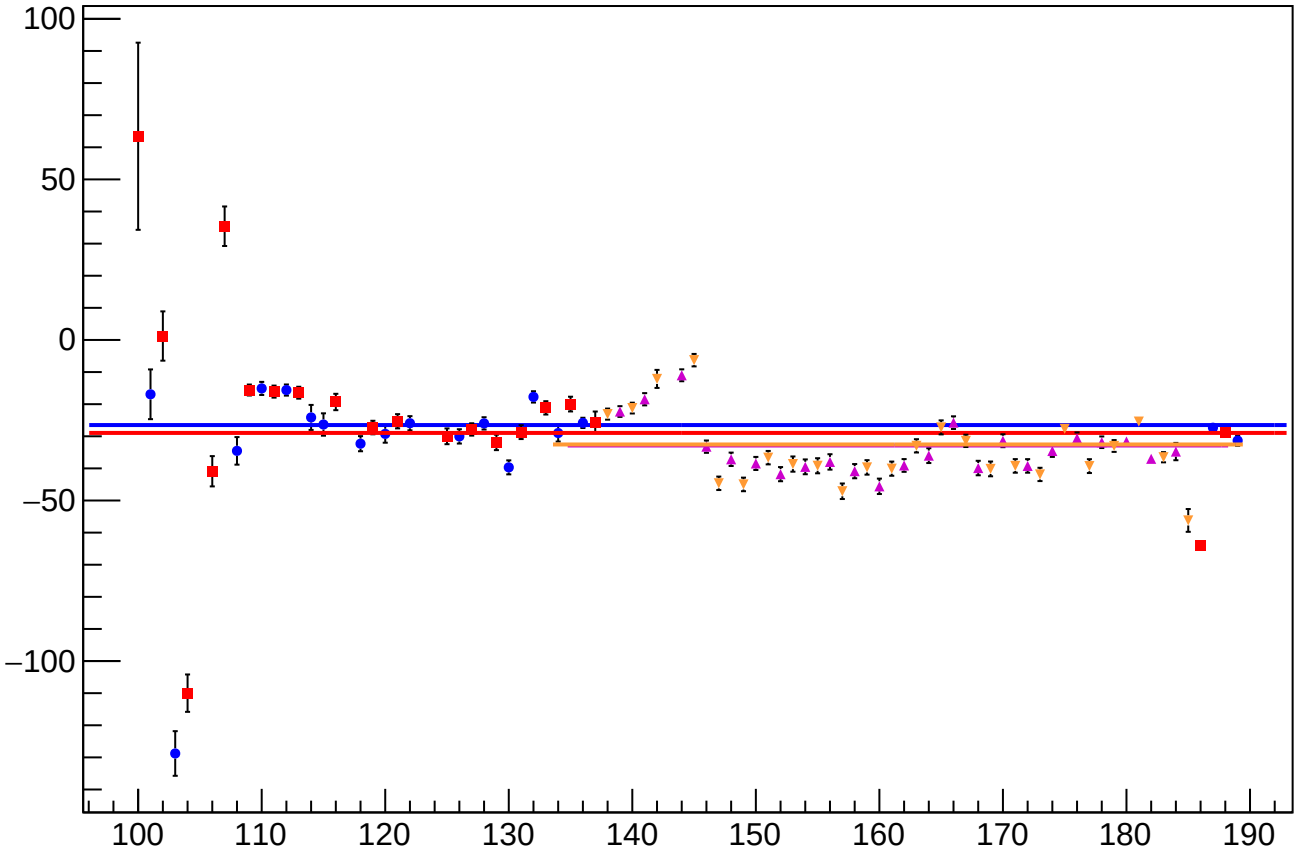
Right Out: -49.619+/-0.056 χ^2/NDF: 518917.9/19

Left In: -57.377+/-0.025 χ^2/NDF:227136.8/22

+ sign -55.896+/-0.023 χ^2/NDF: 885443.1/41

All: -56.010+/-0.016 χ^2/NDF: 1647414.2/84

- sign -56.124+/-0.023 χ^2/NDF: 761920.9/42



Right In: -26.502+/-0.517 χ^2/NDF: 374.0/17

Left Out: -32.549+/-0.407 χ^2/NDF:603.6/23

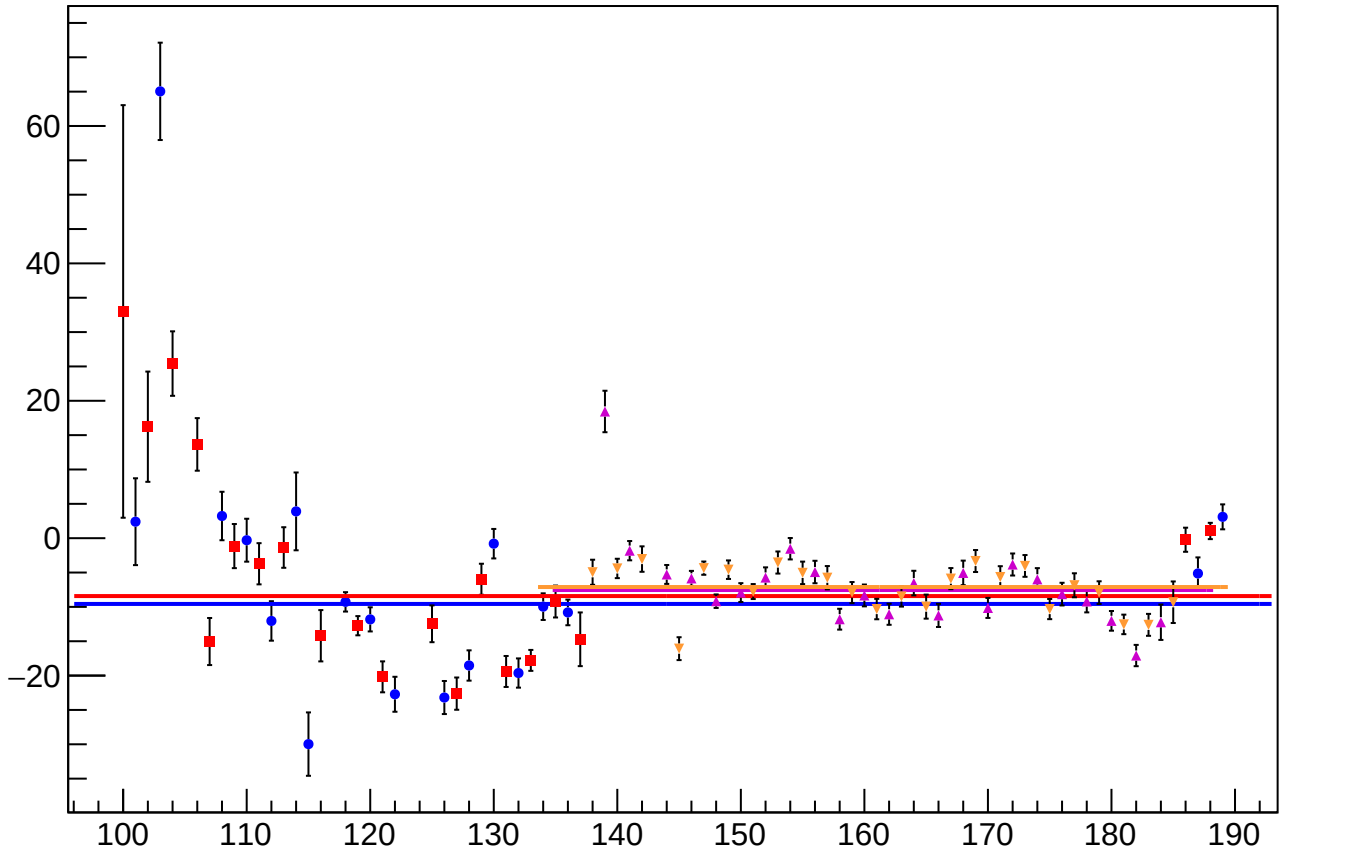
Right Out: -28.953+/-0.454 χ^2/NDF: 1149.3/19

Left In: -32.867+/-0.411 χ^2/NDF:373.2/22

+ sign -30.239+/-0.320 χ^2/NDF: 1062.1/41

All: -30.692+/-0.221 χ^2/NDF: 2629.2/84

- sign -31.104+/-0.305 χ^2/NDF: 1563.3/42



Right In: -9.572+/-0.554 χ^2/NDF: 331.2/17

Left Out: -7.110+/-0.309 χ^2/NDF:109.5/23

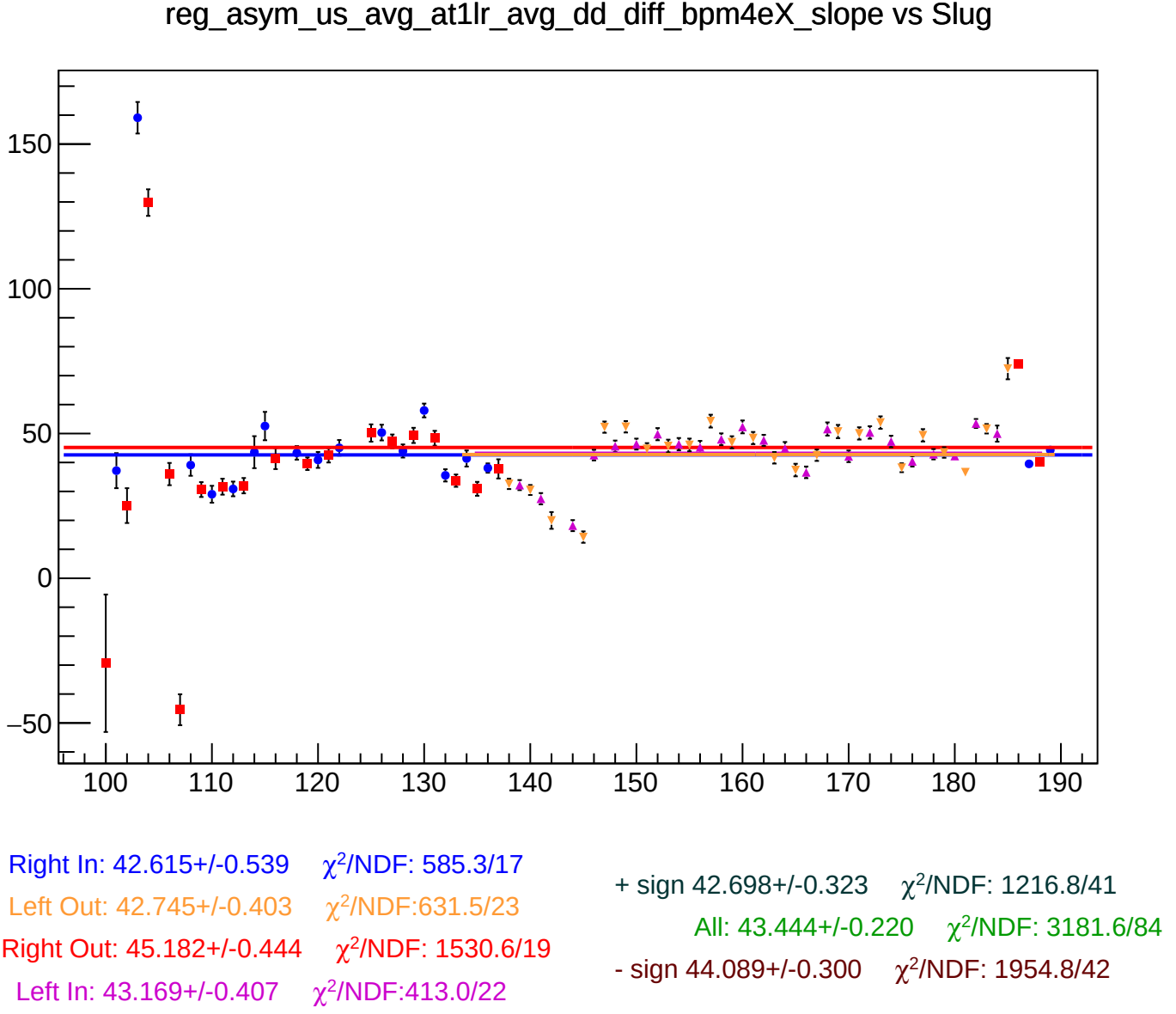
Right Out: -8.425+/-0.516 χ^2/NDF: 342.8/19

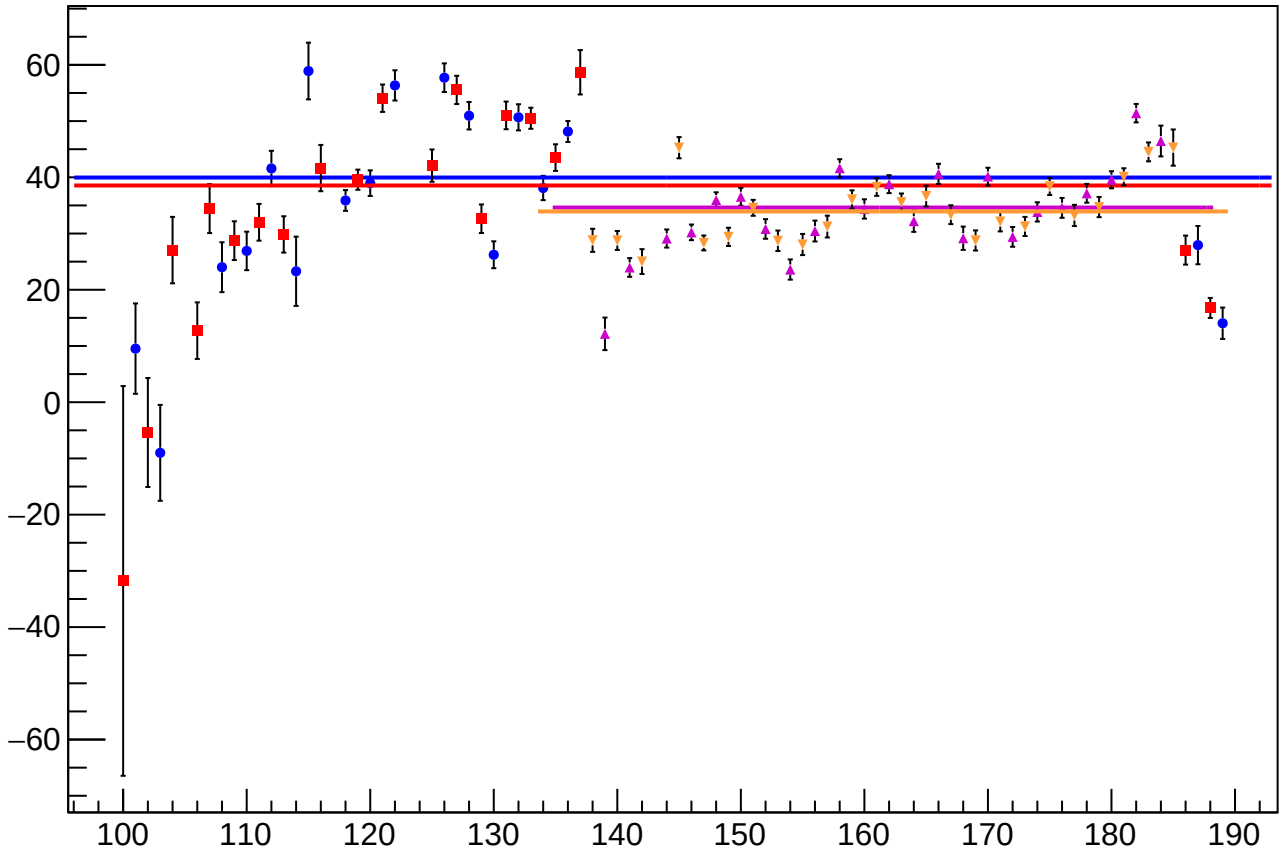
Left In: -7.547+/-0.315 χ^2/NDF:199.7/22

+ sign -7.695+/-0.270 χ^2/NDF: 455.7/41

All: -7.740+/-0.191 χ^2/NDF: 1000.4/84

- sign -7.785+/-0.269 χ^2/NDF: 544.6/42


reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs Slug
150
100
50
0
−50
100
110
120
130
140
150
160
170
180
190
Right In: 42.615+/-0.539 χ²/NDF: 585.3/17
Left Out: 42.745+/-0.403 χ²/NDF:631.5/23
Right Out: 45.182+/-0.444 χ²/NDF: 1530.6/19
Left In: 43.169+/-0.407 χ²/NDF:413.0/22
+ sign 42.698+/-0.323 χ²/NDF: 1216.8/41
All: 43.444+/-0.220 χ²/NDF: 3181.6/84
- sign 44.089+/-0.300 χ²/NDF: 1954.8/42



Right In: 39.962+/-0.652 χ^2/NDF: 380.6/17

Left Out: 33.930+/-0.351 χ^2/NDF:216.5/23

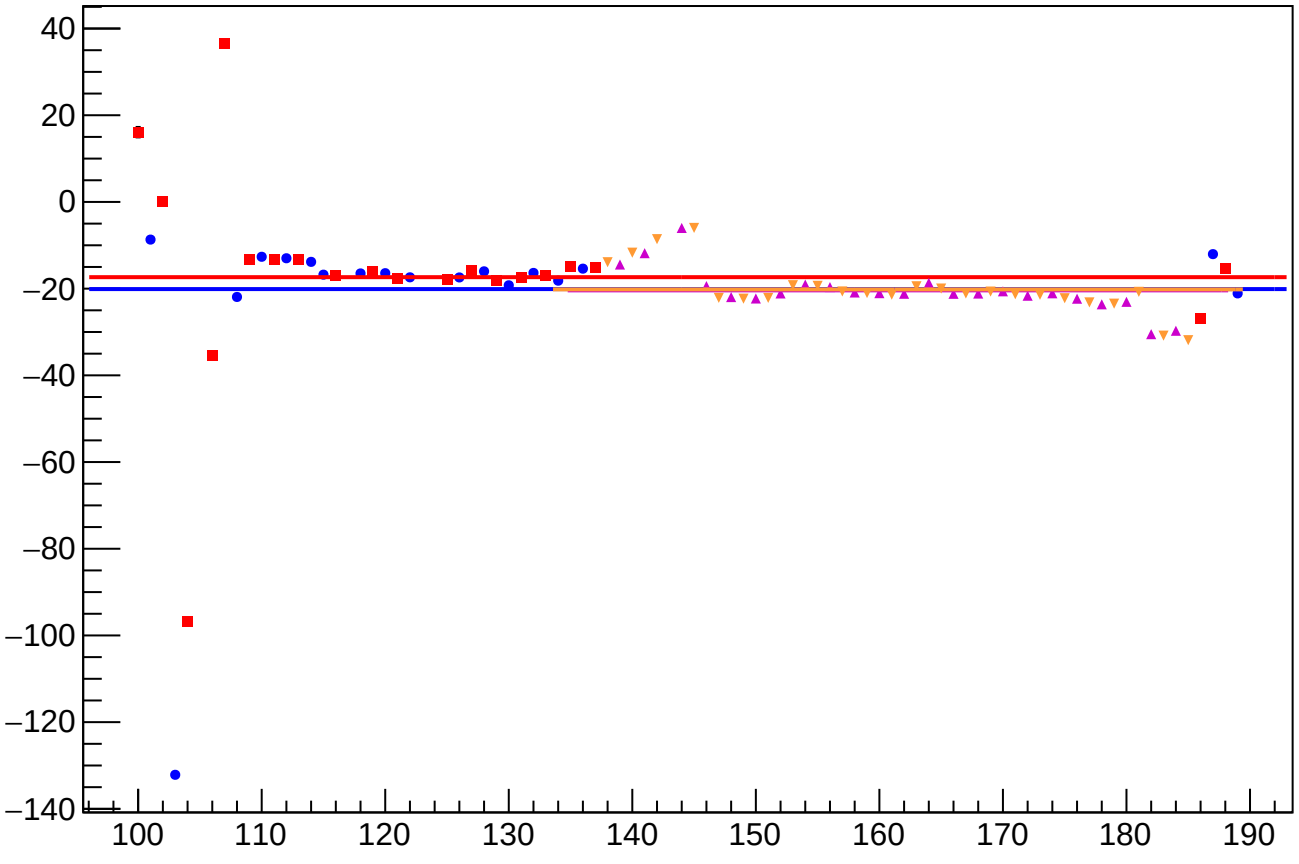
Right Out: 38.546+/-0.628 χ^2/NDF: 435.4/19

Left In: 34.623+/-0.356 χ^2/NDF:376.1/22

+ sign 35.285+/-0.309 χ^2/NDF: 663.5/41

All: 35.431+/-0.219 χ^2/NDF: 1505.0/84

- sign 35.579+/-0.310 χ^2/NDF: 841.0/42



Right In: -20.102+/-0.039 χ^2/NDF: 247571.0/17

Left Out: -20.174+/-0.016 χ^2/NDF:99947.2/23

Right Out: -17.353+/-0.039 χ^2/NDF: 207709.5/19

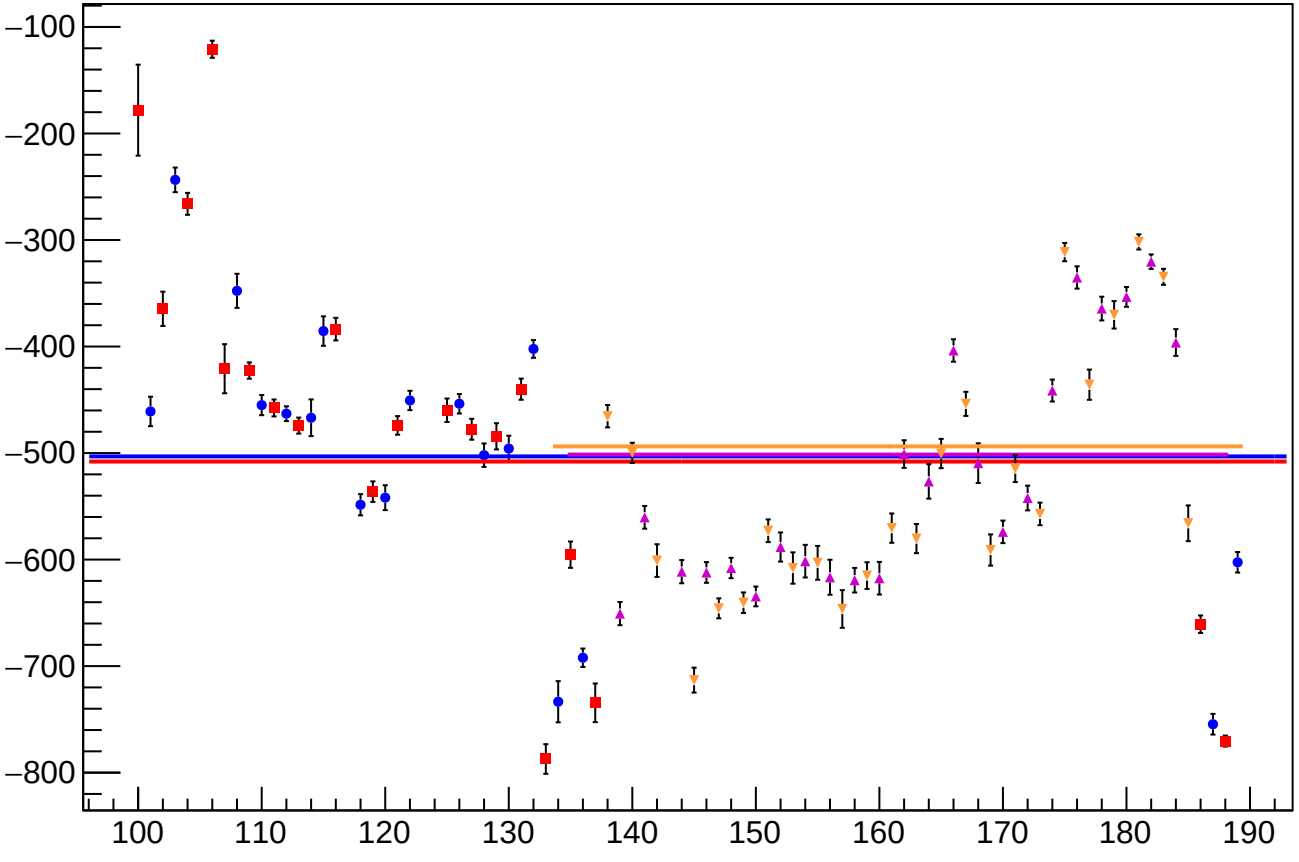
Left In: -20.396+/-0.016 χ^2/NDF:81154.4/22

+ sign -20.164+/-0.015 χ^2/NDF: 347521.1/41

All: -20.066+/-0.010 χ^2/NDF: 641694.6/84

- sign -19.969+/-0.015 χ^2/NDF: 294084.7/42

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -503.148+/-2.457 χ^2/NDF: 2384.2/17

Left Out: -493.722+/-2.295 χ^2/NDF:3150.0/23

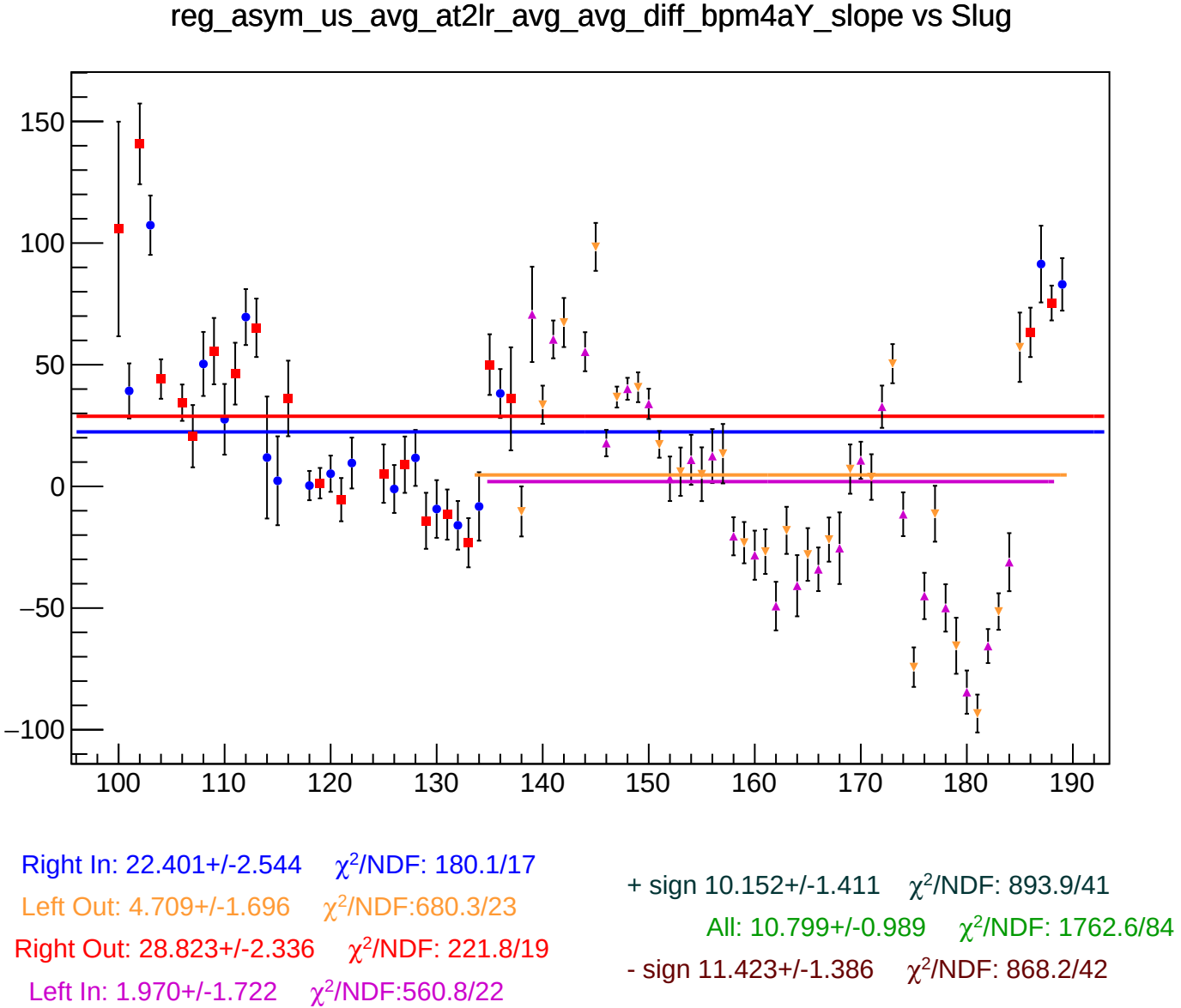
Right Out: -507.962+/-2.146 χ^2/NDF: 6981.8/19

Left In: -501.425+/-2.306 χ^2/NDF:2689.3/22

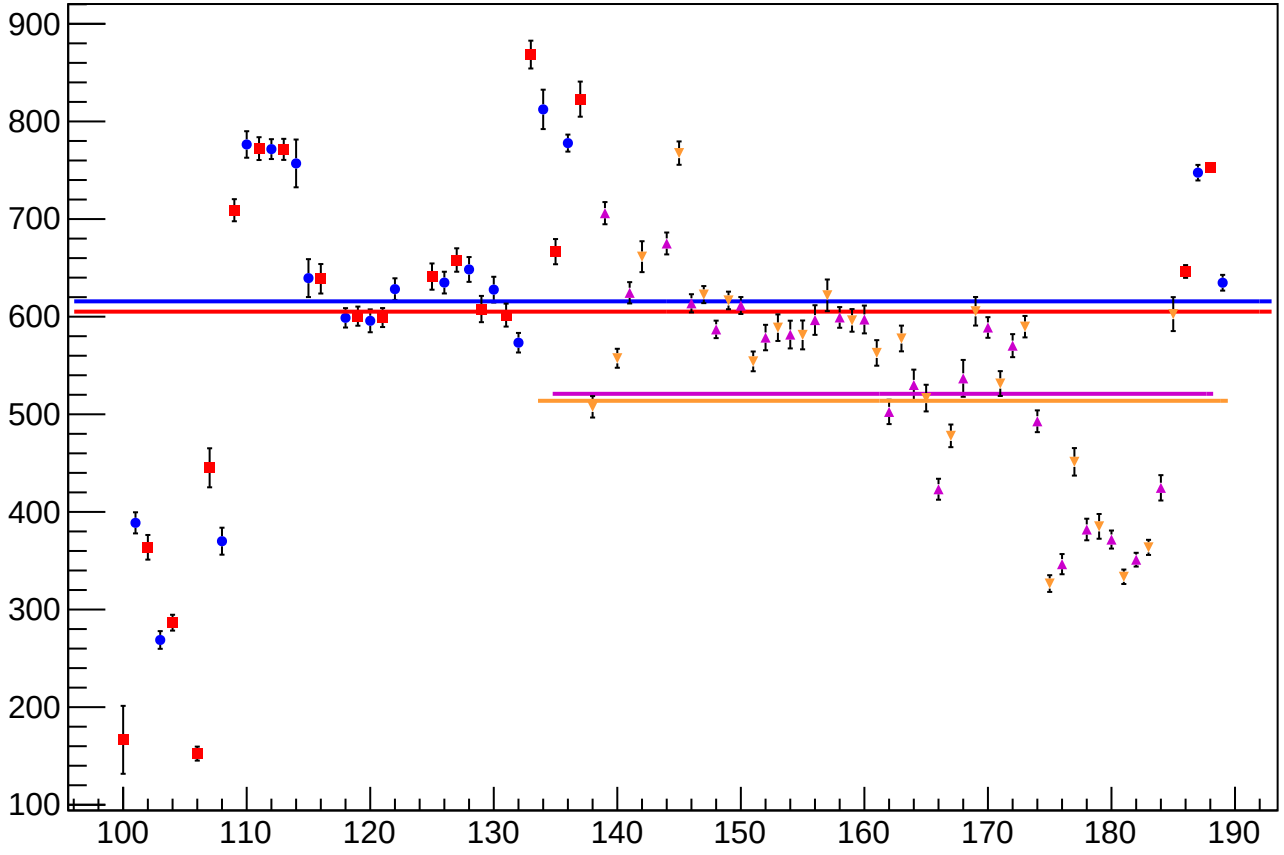
+ sign -498.113+/-1.677 χ^2/NDF: 5542.1/41

All: -501.743+/-1.147 χ^2/NDF: 15226.3/84

- sign -504.929+/-1.571 χ^2/NDF: 9675.4/42


reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug
150
100
50
0
−50
−100
100
110
120
130
140
150
160
170
180
190
Right In: 22.401+/-2.544 χ²/NDF: 180.1/17
Left Out: 4.709+/-1.696 χ²/NDF:680.3/23
Right Out: 28.823+/-2.336 χ²/NDF: 221.8/19
Left In: 1.970+/-1.722 χ²/NDF:560.8/22
+ sign 10.152+/-1.411 χ²/NDF: 893.9/41
All: 10.799+/-0.989 χ²/NDF: 1762.6/84
- sign 11.423+/-1.386 χ²/NDF: 868.2/42

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 615.707+/-2.603 χ^2/NDF: 3386.5/17

Left Out: 513.833+/-2.277 χ^2/NDF:2735.5/23

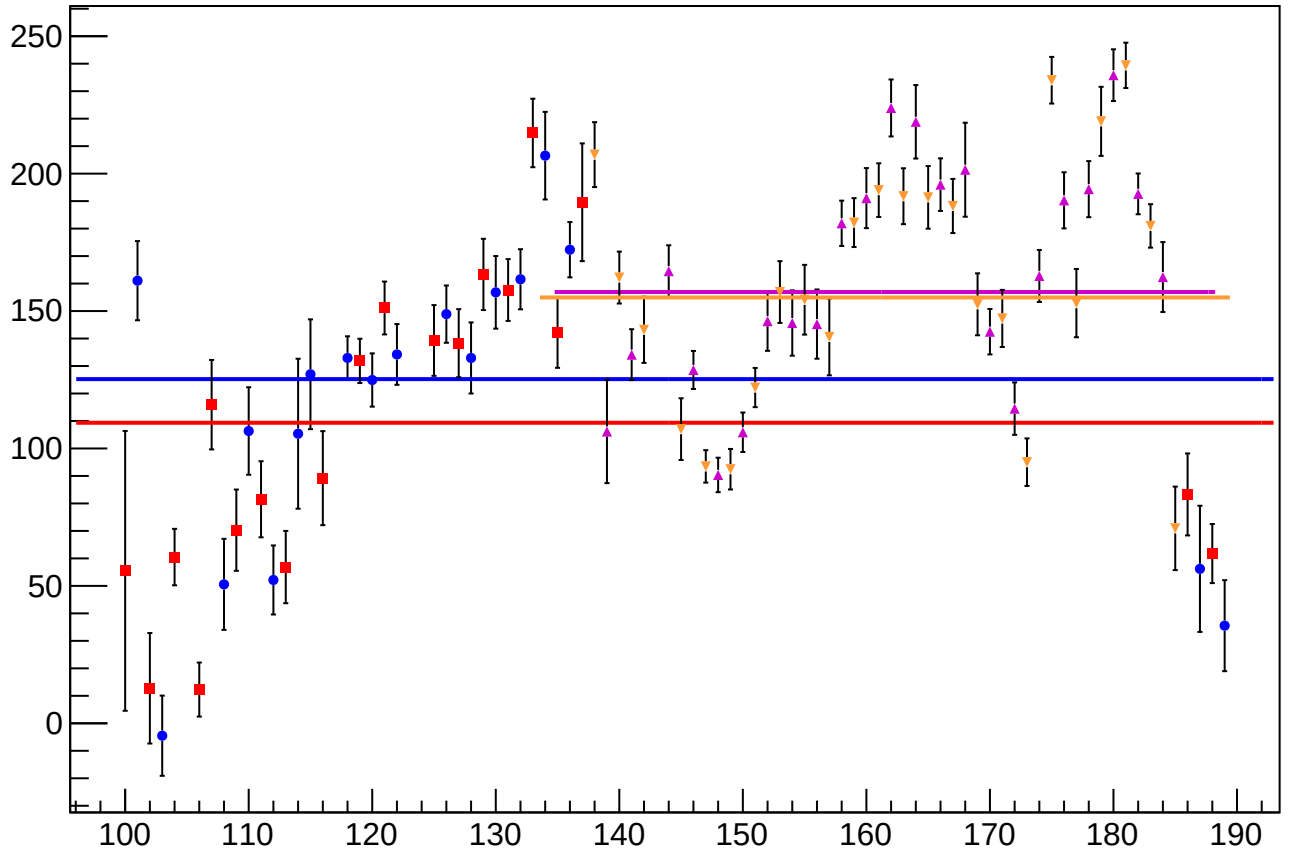
Right Out: 605.161+/-2.161 χ^2/NDF: 8491.6/19

Left In: 520.990+/-2.283 χ^2/NDF:2442.8/22

+ sign 557.994+/-1.714 χ^2/NDF: 6989.8/41

All: 562.015+/-1.157 χ^2/NDF: 18651.2/84

- sign 565.387+/-1.570 χ^2/NDF: 11651.2/42



Right In: 125.237+/-3.003 χ^2/NDF: 251.6/17

Left Out: 154.944+/-1.953 χ^2/NDF:609.0/23

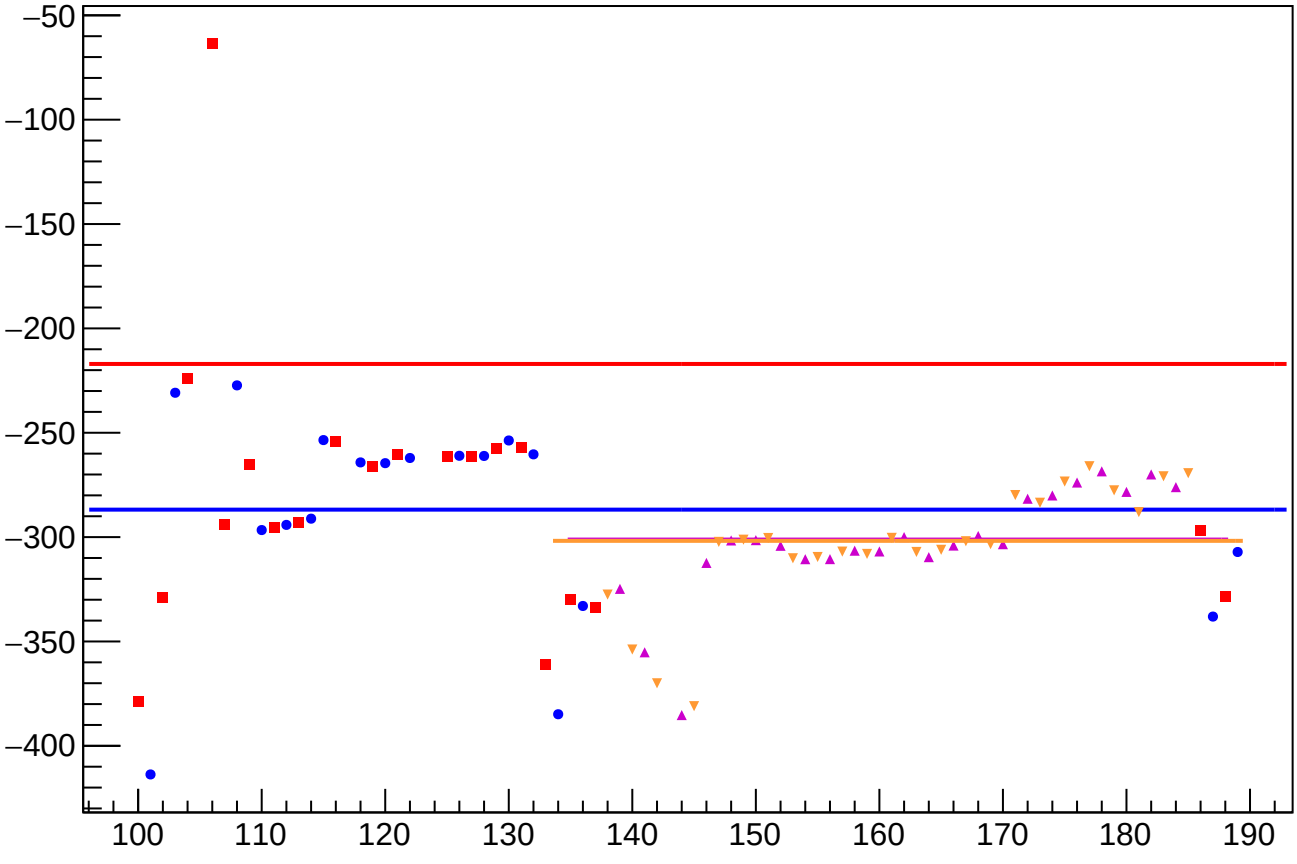
Right Out: 109.360+/-2.817 χ^2/NDF: 361.1/19

Left In: 156.934+/-1.971 χ^2/NDF:443.2/22

+ sign 146.112+/-1.637 χ^2/NDF: 929.4/41

All: 143.670+/-1.150 χ^2/NDF: 1929.6/84

- sign 141.294+/-1.615 χ^2/NDF: 995.8/42



Right In: -286.834+/-0.171 χ^2/NDF: 106806.1/17

Left Out: -301.785+/-0.091 χ^2/NDF:86719.4/23

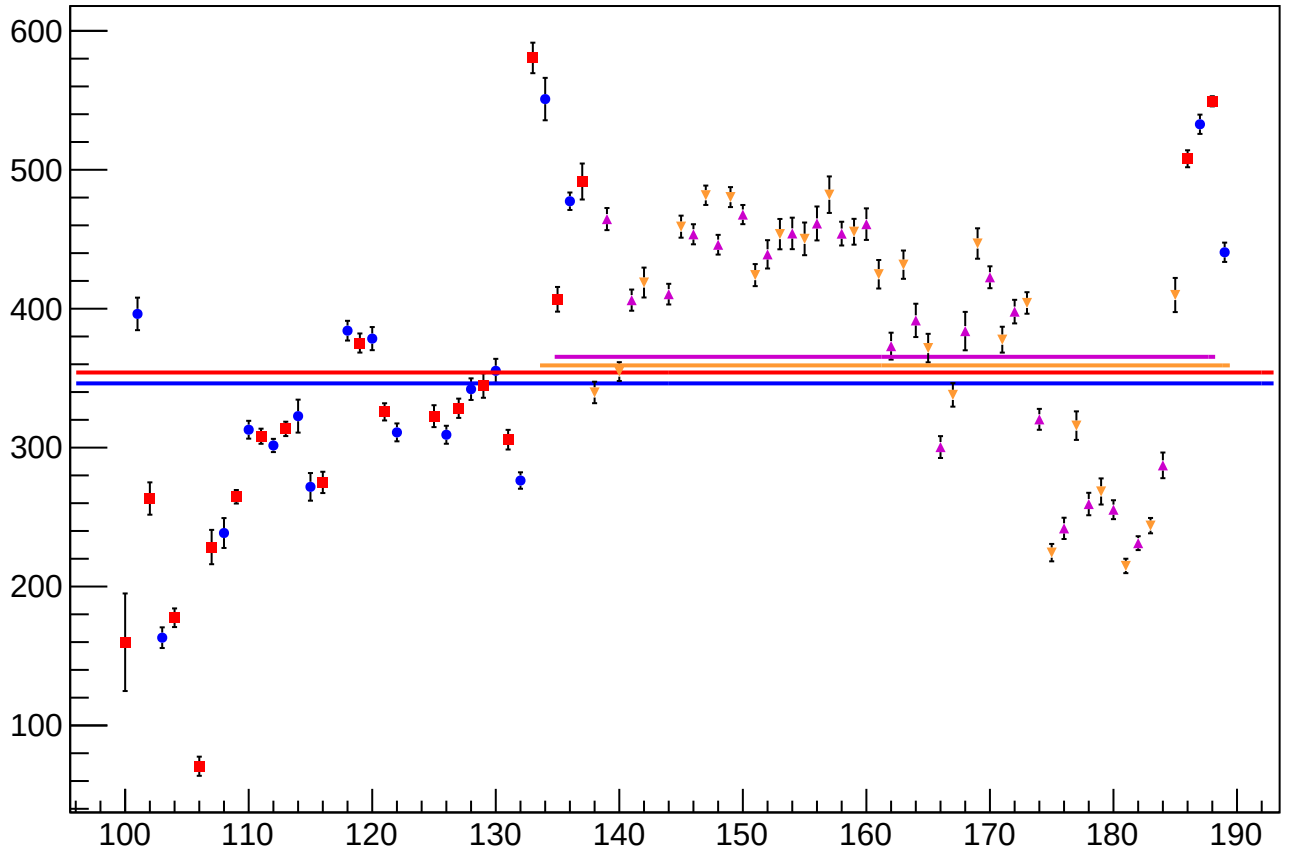
Right Out: -217.037+/-0.143 χ^2/NDF: 584297.6/19

Left In: -301.176+/-0.090 χ^2/NDF:75325.3/22

+ sign -298.511+/-0.080 χ^2/NDF: 199465.3/41

All: -287.311+/-0.055 χ^2/NDF: 1144792.7/84

- sign -277.225+/-0.076 χ^2/NDF: 908295.1/42



Right In: 346.236+/-1.737 χ^2/NDF: 2667.7/17

Left Out: 359.188+/-1.681 χ^2/NDF:3187.9/23

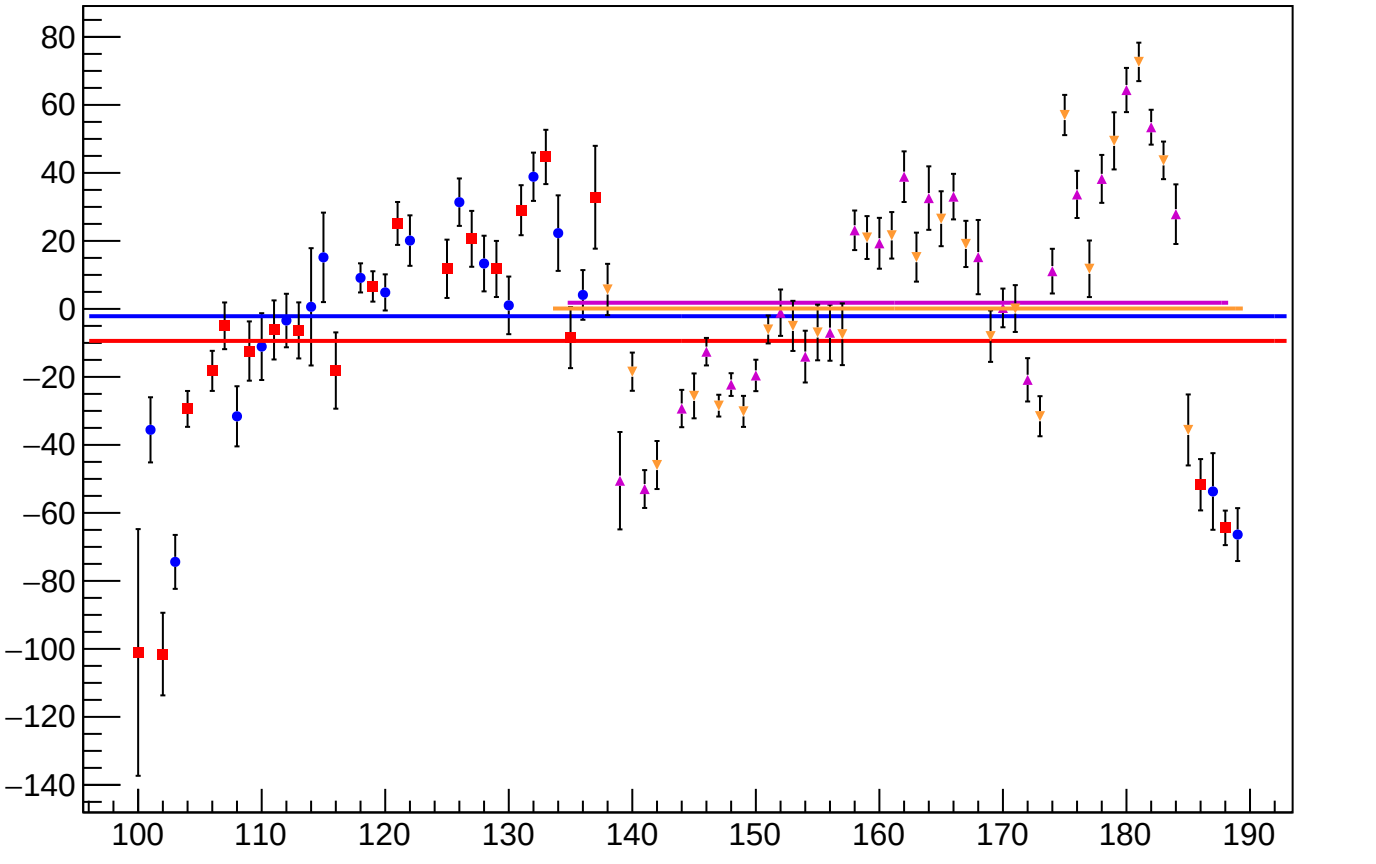
Right Out: 354.078+/-1.517 χ^2/NDF: 7335.5/19

Left In: 365.362+/-1.692 χ^2/NDF:2739.5/22

+ sign 352.922+/-1.208 χ^2/NDF: 5884.3/41

All: 356.221+/-0.825 χ^2/NDF: 15998.0/84

- sign 359.107+/-1.130 χ^2/NDF: 10099.6/42



Right In: -2.151+/-1.815 χ^2/NDF: 281.3/17

Left Out: 0.114+/-1.247 χ^2/NDF:637.9/23

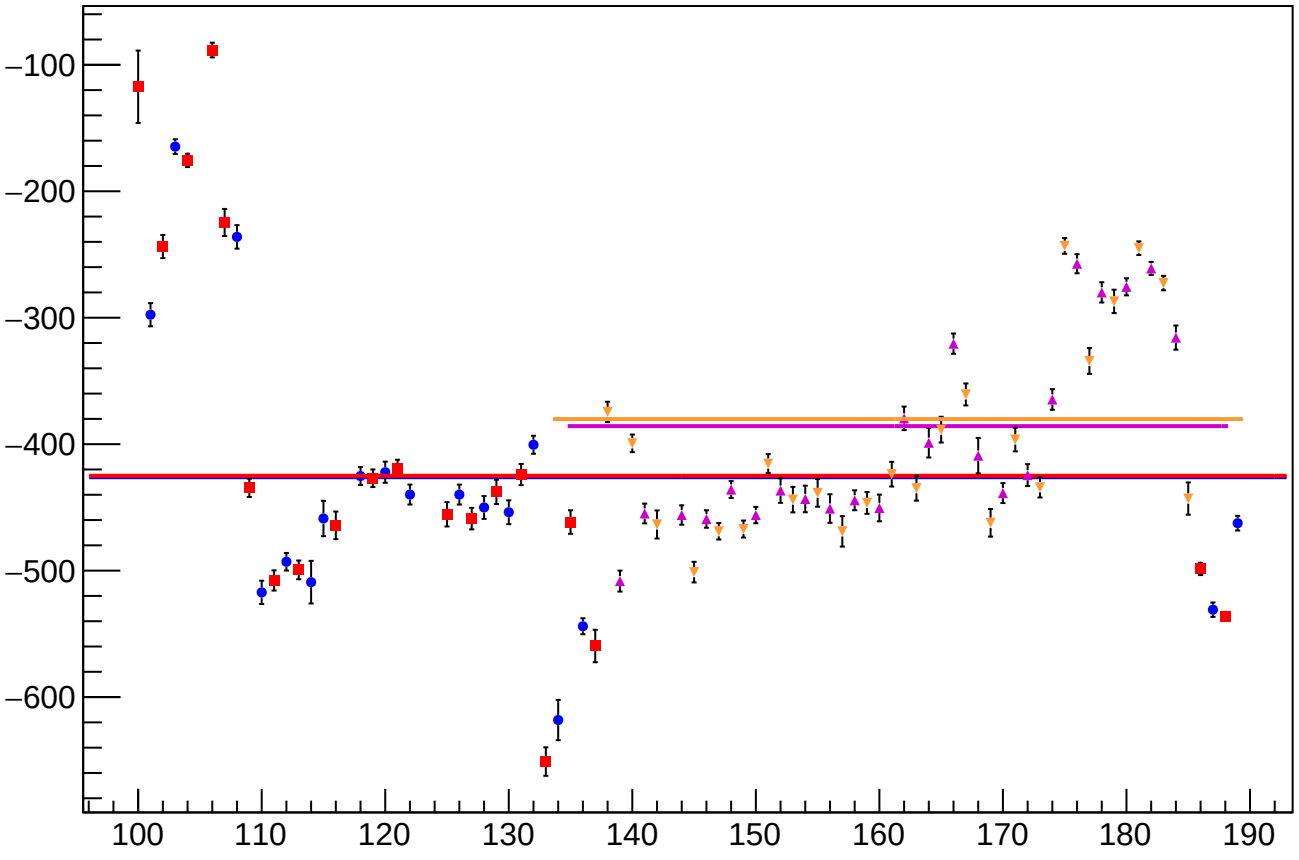
Right Out: -9.415+/-1.648 χ^2/NDF: 380.7/19

Left In: 1.812+/-1.267 χ^2/NDF:577.0/22

+ sign -0.612+/-1.028 χ^2/NDF: 920.3/41

All: -1.505+/-0.718 χ^2/NDF: 1908.6/84

- sign -2.357+/-1.004 χ^2/NDF: 986.8/42



Right In: -426.105+/-1.847 χ^2/NDF: 3737.9/17

Left Out: -380.144+/-1.670 χ^2/NDF:2618.6/23

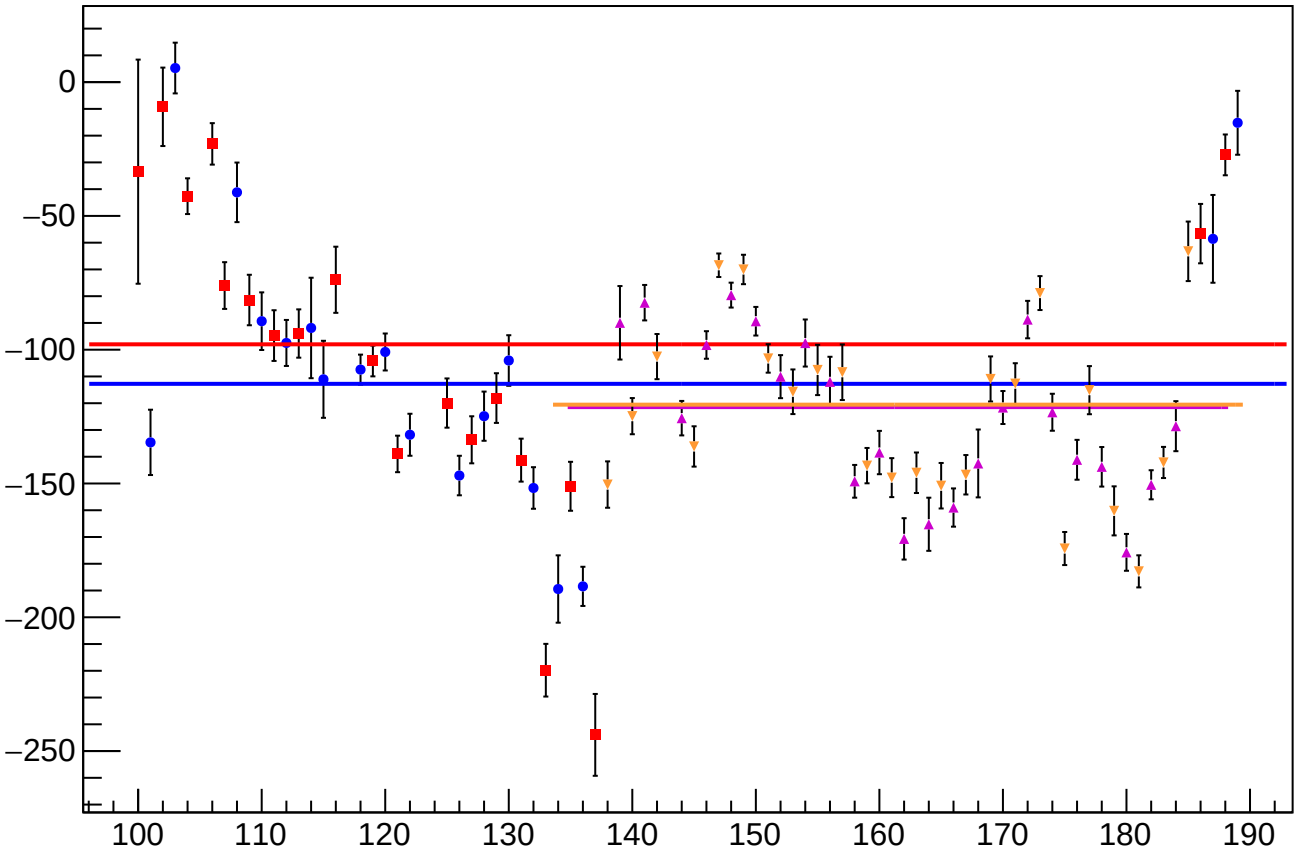
Right Out: -424.998+/-1.536 χ^2/NDF: 8871.2/19

Left In: -385.725+/-1.677 χ^2/NDF:2361.2/22

+ sign -400.811+/-1.239 χ^2/NDF: 6697.2/41

All: -404.223+/-0.836 χ^2/NDF: 18241.8/84

- sign -407.076+/-1.133 χ^2/NDF: 11530.6/42



Right In: -112.758+/-2.140 χ^2/NDF: 489.2/17

Left Out: -120.541+/-1.435 χ^2/NDF:611.5/23

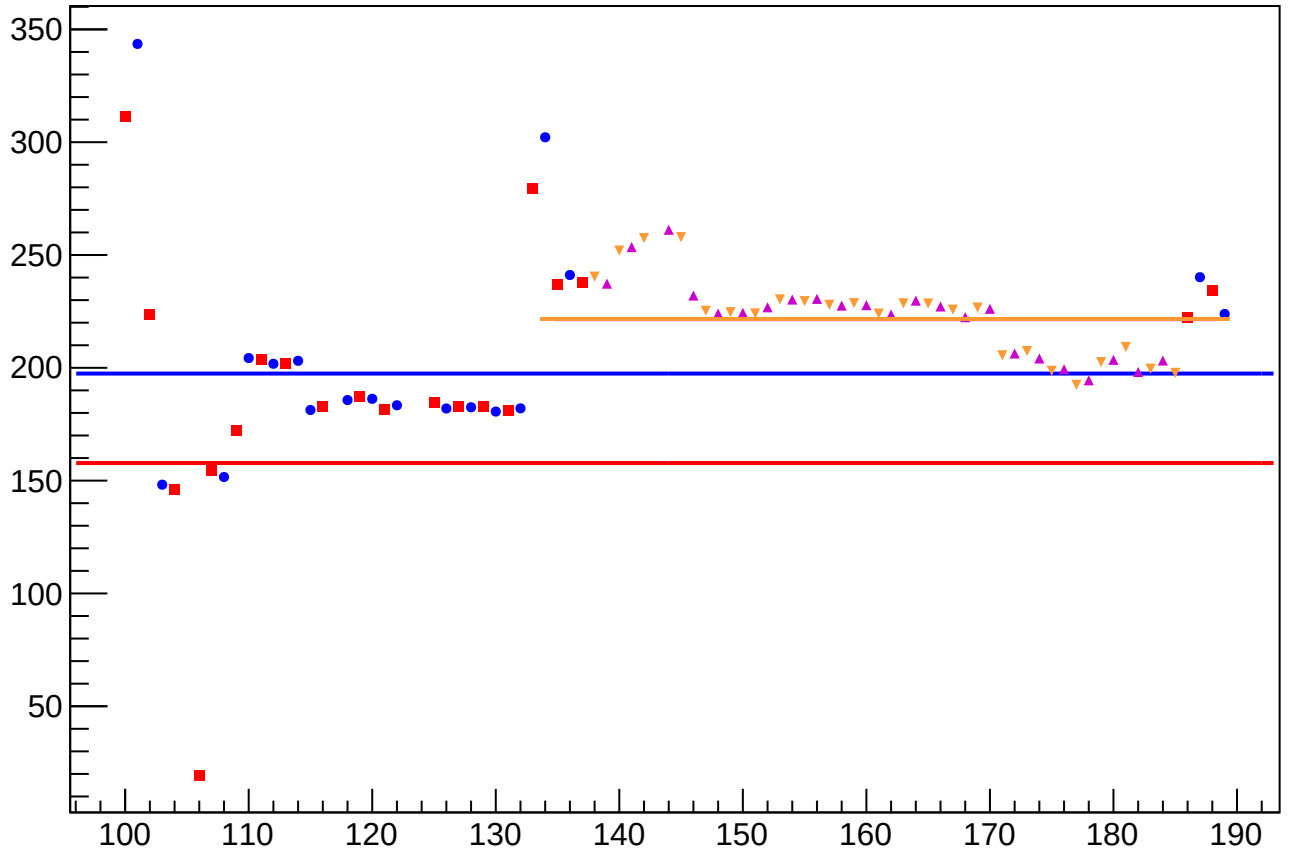
Right Out: -97.989+/-1.984 χ^2/NDF: 685.7/19

Left In: -121.453+/-1.450 χ^2/NDF:432.6/22

+ sign -118.126+/-1.192 χ^2/NDF: 1109.9/41

All: -115.662+/-0.835 χ^2/NDF: 2327.8/84

- sign -113.285+/-1.170 χ^2/NDF: 1209.6/42



Right In: 197.451+/-0.121 χ^2/NDF: 181665.0/17

Left Out: 221.652+/-0.067 χ^2/NDF:67213.0/23

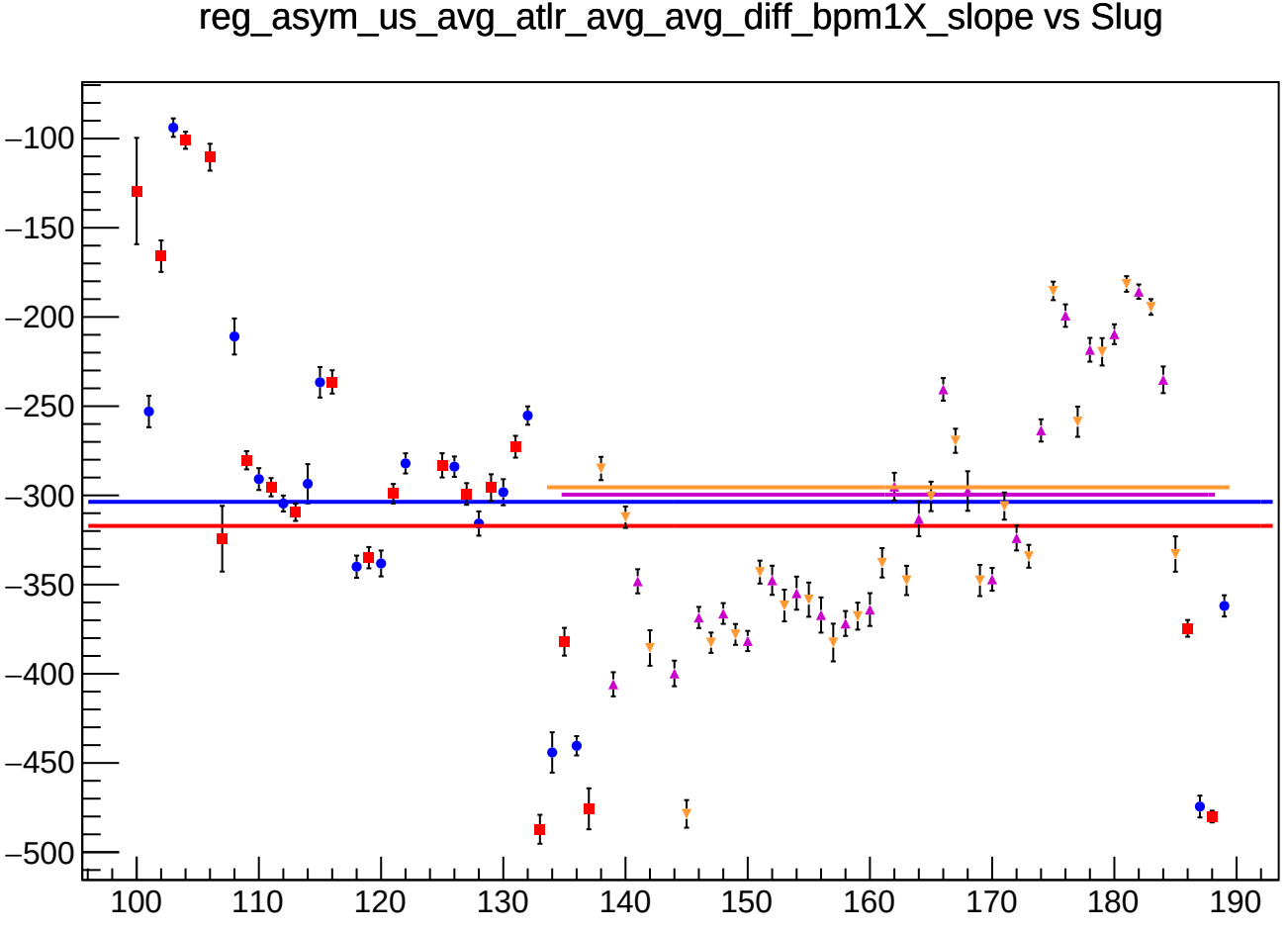
Right Out: 157.803+/-0.105 χ^2/NDF: 545253.3/19

Left In: 221.574+/-0.066 χ^2/NDF:62122.0/22

\+ sign 215.986+/-0.058 χ^2/NDF: 279719.9/41

All: 209.508+/-0.040 χ^2/NDF: 1173313.2/84

\- sign 203.527+/-0.056 χ^2/NDF: 869888.9/42



Right In: -303.625+/-1.507 χ^2/NDF: 3675.0/17

Left Out: -295.464+/-1.393 χ^2/NDF:3346.3/23

Right Out: -317.116+/-1.344 χ^2/NDF: 6787.7/19

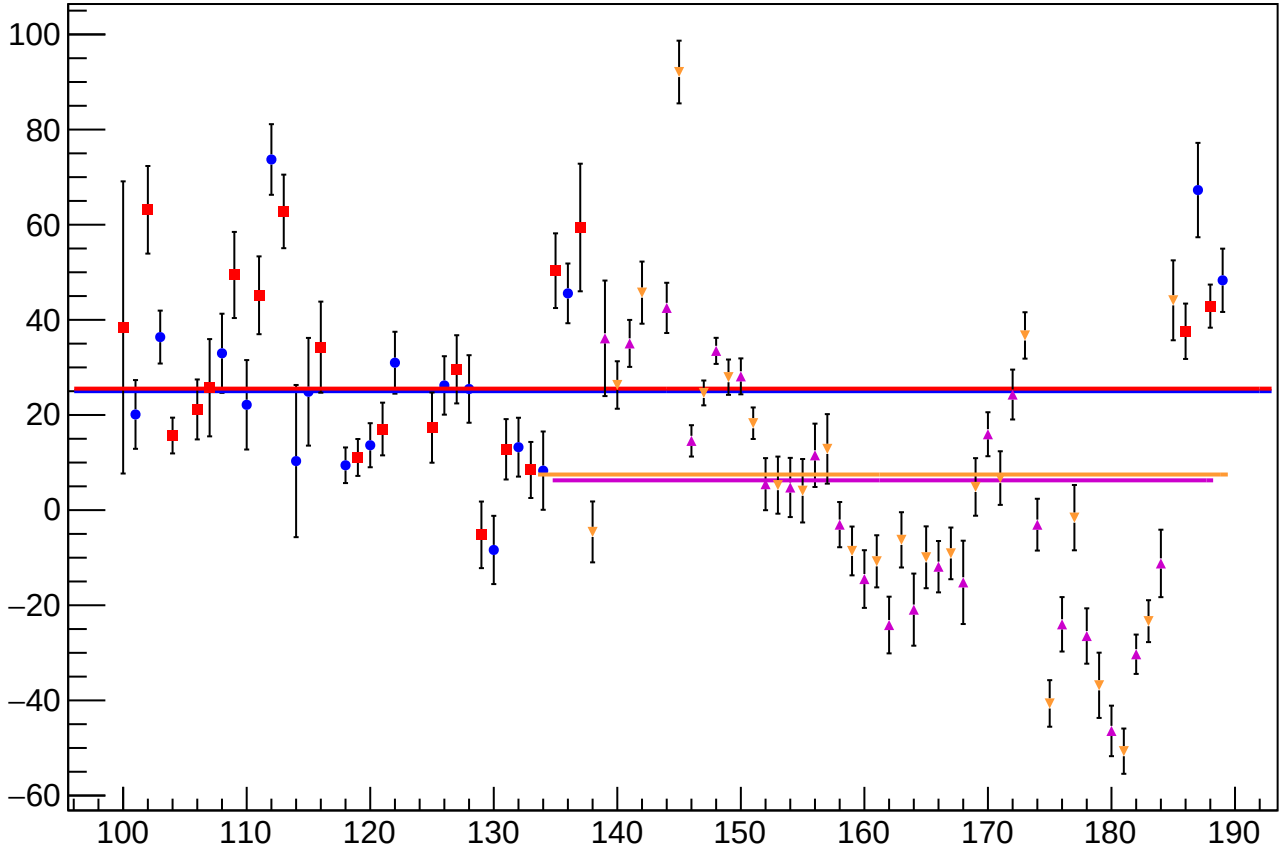
Left In: -299.588+/-1.397 χ^2/NDF:2971.7/22

+ sign -299.222+/-1.023 χ^2/NDF: 7037.1/41

All: -304.215+/-0.703 χ^2/NDF: 16923.4/84

- sign -308.690+/-0.968 χ^2/NDF: 9841.2/42

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 25.004+/-1.555 χ^2/NDF: 144.3/17

Left Out: 7.486+/-1.030 χ^2/NDF:738.5/23

Right Out: 25.539+/-1.437 χ^2/NDF: 145.8/19

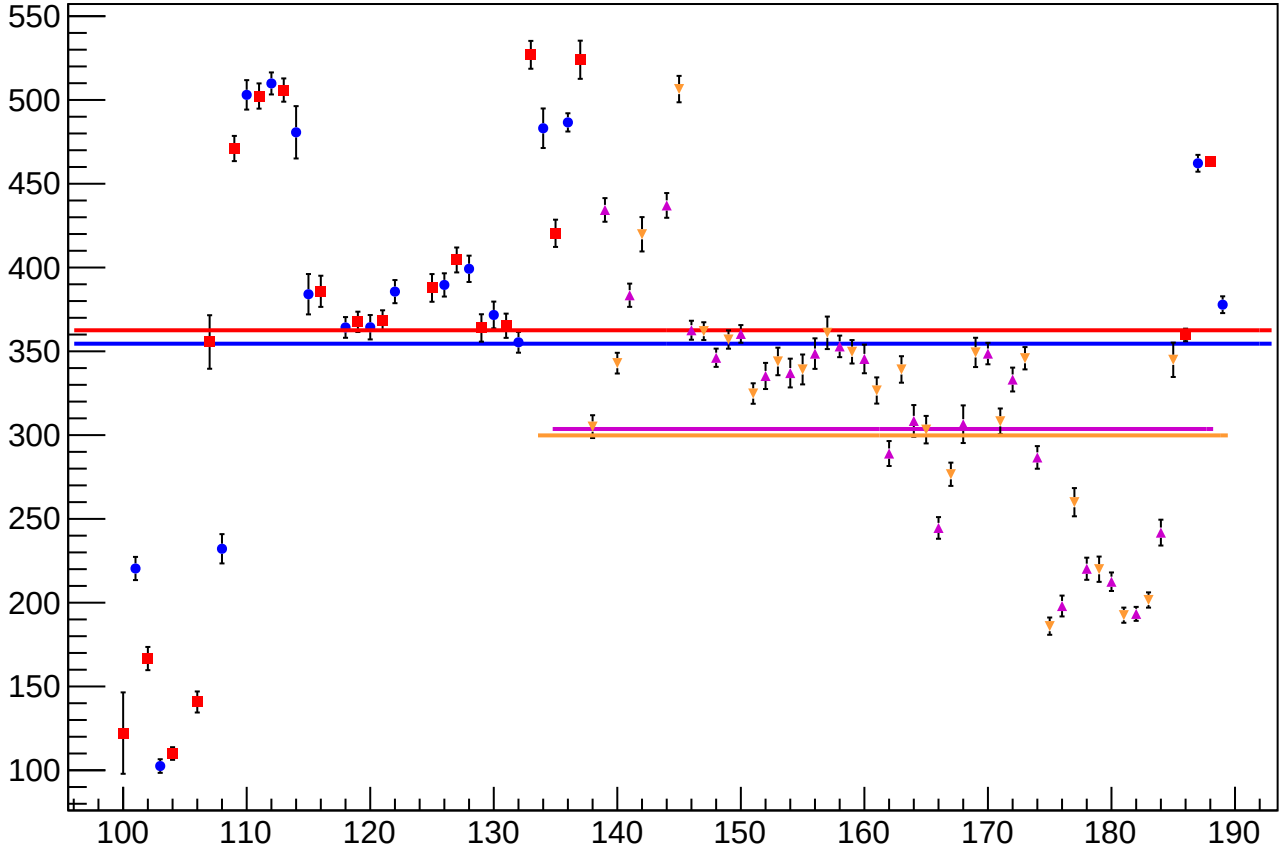
Left In: 6.259+/-1.045 χ^2/NDF:559.4/22

+ sign 12.823+/-0.858 χ^2/NDF: 970.9/41

All: 12.875+/-0.602 χ^2/NDF: 1793.9/84

- sign 12.926+/-0.845 χ^2/NDF: 823.0/42

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 354.548+/-1.568 χ^2/NDF: 6607.8/17

Left Out: 299.825+/-1.381 χ^2/NDF:3076.1/23

Right Out: 362.558+/-1.332 χ^2/NDF: 9770.4/19

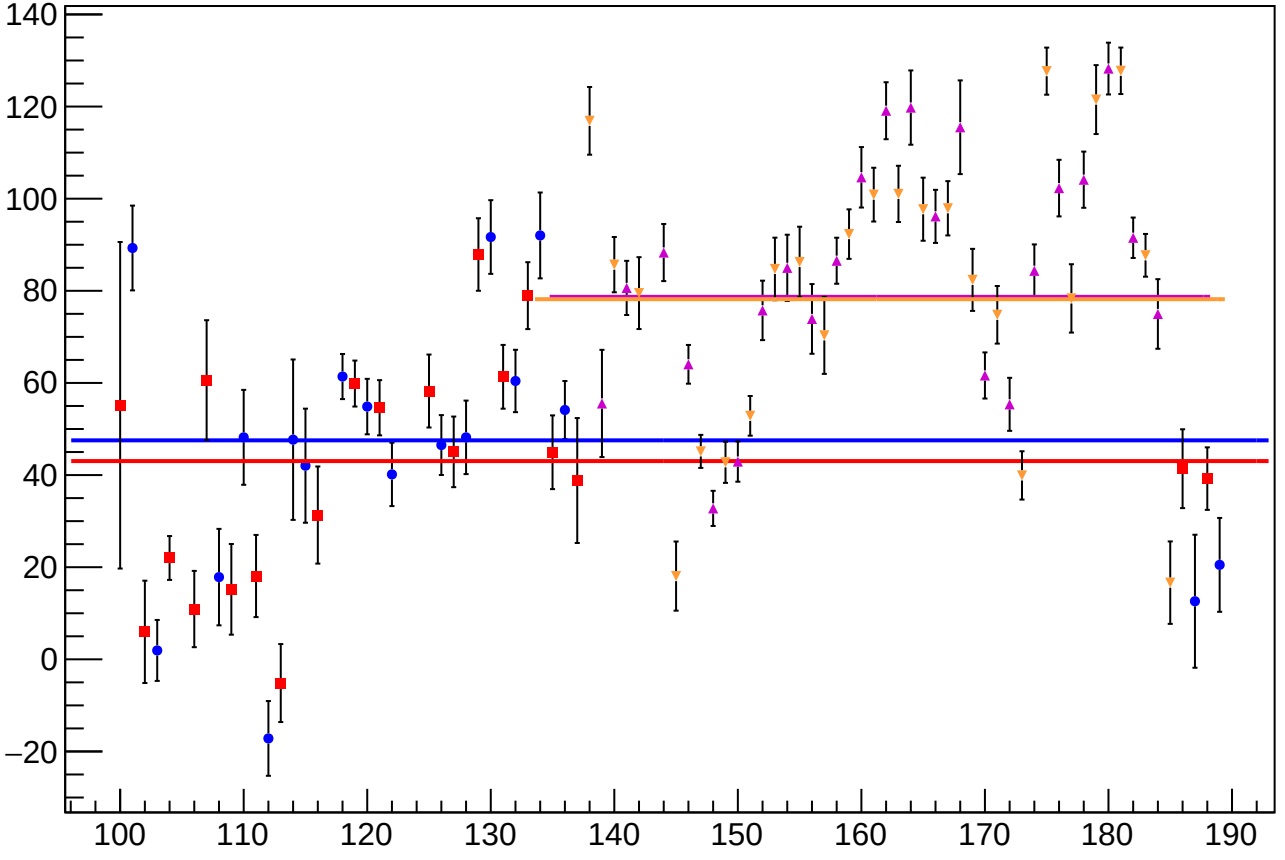
Left In: 303.652+/-1.383 χ^2/NDF:2872.6/22

\+ sign 323.733+/-1.036 χ^2/NDF: 10369.8/41

All: 329.368+/-0.704 χ^2/NDF: 24009.0/84

\- sign 334.196+/-0.959 χ^2/NDF: 13584.3/42

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 47.537+/-1.836 χ^2/NDF: 221.5/17

Left Out: 78.181+/-1.185 χ^2/NDF:663.3/23

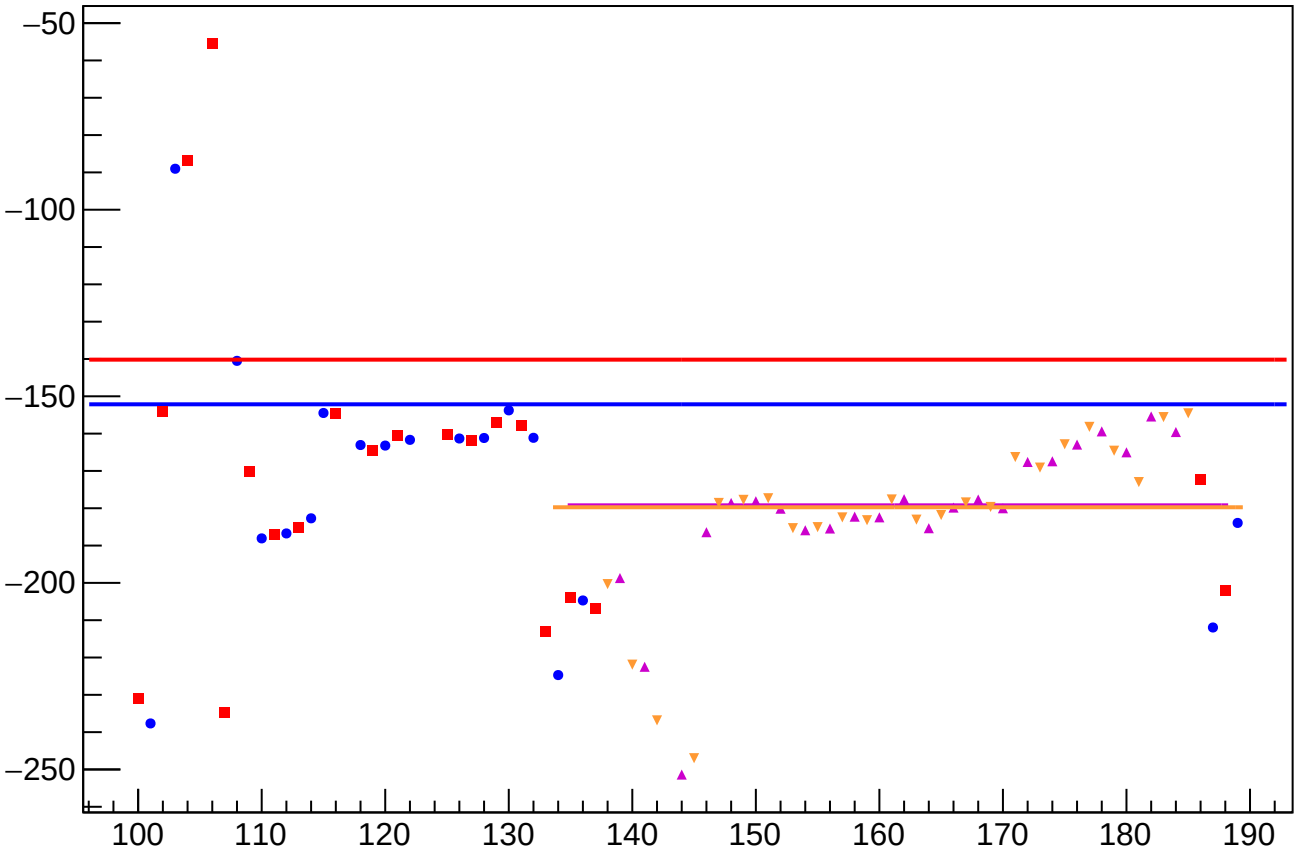
Right Out: 43.038+/-1.734 χ^2/NDF: 180.4/19

Left In: 78.689+/-1.195 χ^2/NDF:488.6/22

+ sign 69.175+/-0.995 χ^2/NDF: 1081.5/41

All: 68.179+/-0.700 χ^2/NDF: 2039.2/84

- sign 67.207+/-0.984 χ^2/NDF: 955.7/42



Right In: -152.146+/-0.098 χ^2/NDF: 267304.5/17

Left Out: -179.738+/-0.055 χ^2/NDF:132199.5/23

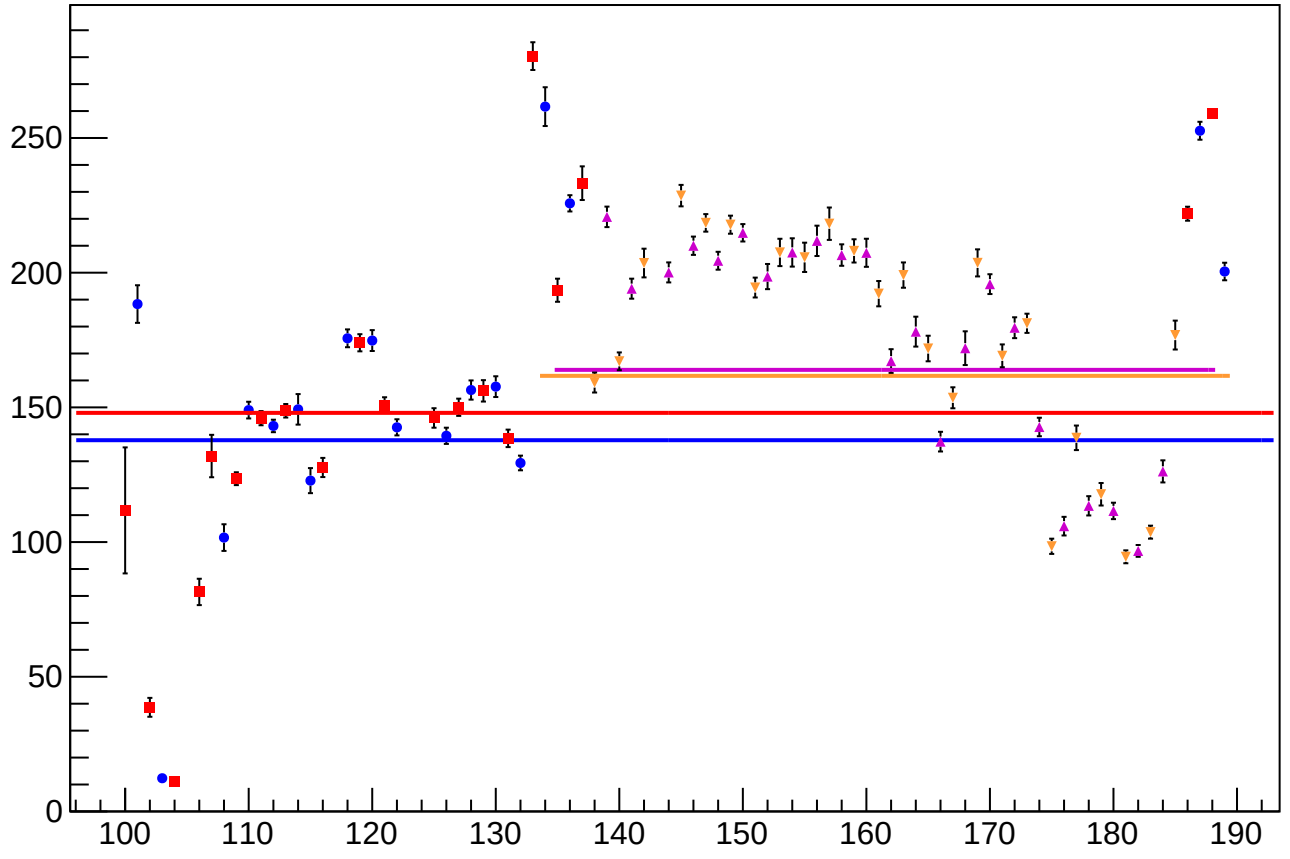
Right Out: -140.181+/-0.092 χ^2/NDF: 349272.0/19

Left In: -179.219+/-0.055 χ^2/NDF:113522.5/22

+ sign -173.107+/-0.048 χ^2/NDF: 459995.4/41

All: -171.088+/-0.034 χ^2/NDF: 1058521.9/84

- sign -169.151+/-0.047 χ^2/NDF: 595051.9/42



Right In: 137.813+/-0.766 χ^2/NDF: 7901.2/17

Left Out: 161.708+/-0.776 χ^2/NDF:3587.3/23

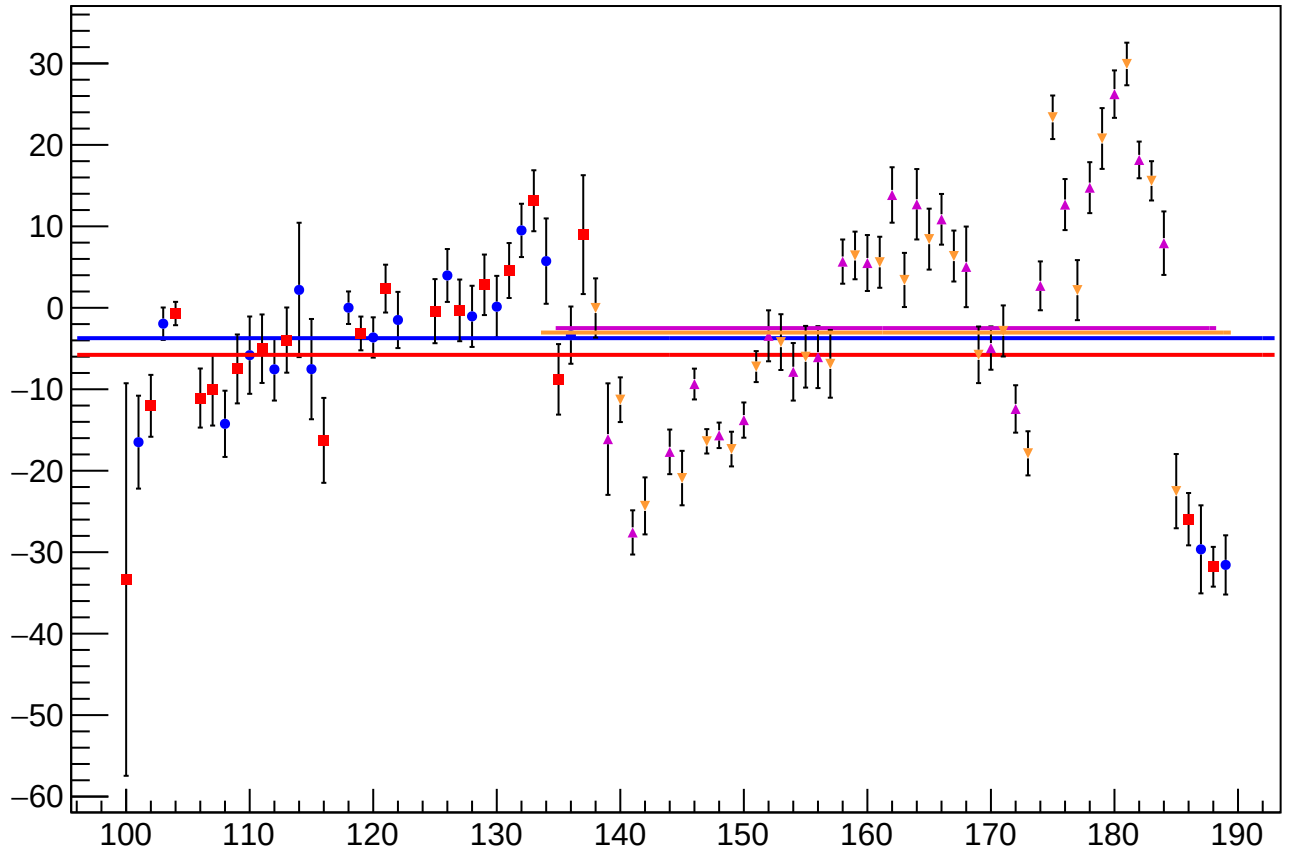
Right Out: 147.963+/-0.684 χ^2/NDF: 12768.5/19

Left In: 163.927+/-0.779 χ^2/NDF:3335.5/22

+ sign 149.597+/-0.545 χ^2/NDF: 11968.9/41

All: 152.408+/-0.374 χ^2/NDF: 28360.3/84

- sign 154.907+/-0.514 χ^2/NDF: 16341.2/42



Right In: -3.727+/-0.803 χ^2/NDF: 126.9/17

Left Out: -3.038+/-0.578 χ^2/NDF:654.5/23

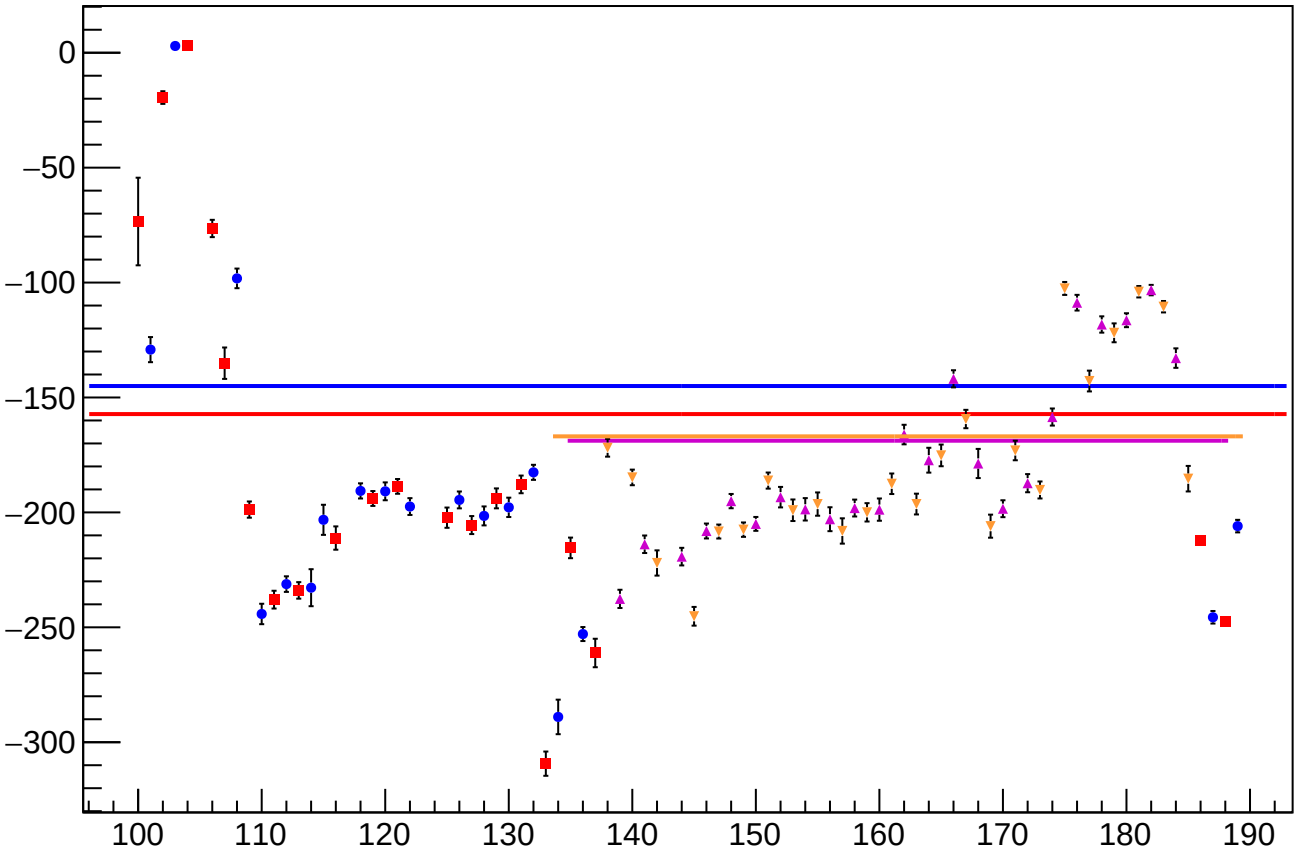
Right Out: -5.776+/-0.716 χ^2/NDF: 235.2/19

Left In: -2.492+/-0.587 χ^2/NDF:562.9/22

+ sign -3.273+/-0.469 χ^2/NDF: 781.9/41

All: -3.551+/-0.326 χ^2/NDF: 1593.3/84

- sign -3.812+/-0.454 χ^2/NDF: 810.7/42



Right In: -145.014+/-0.775 χ^2/NDF: 16879.2/17

Left Out: -166.912+/-0.771 χ^2/NDF:3096.2/23

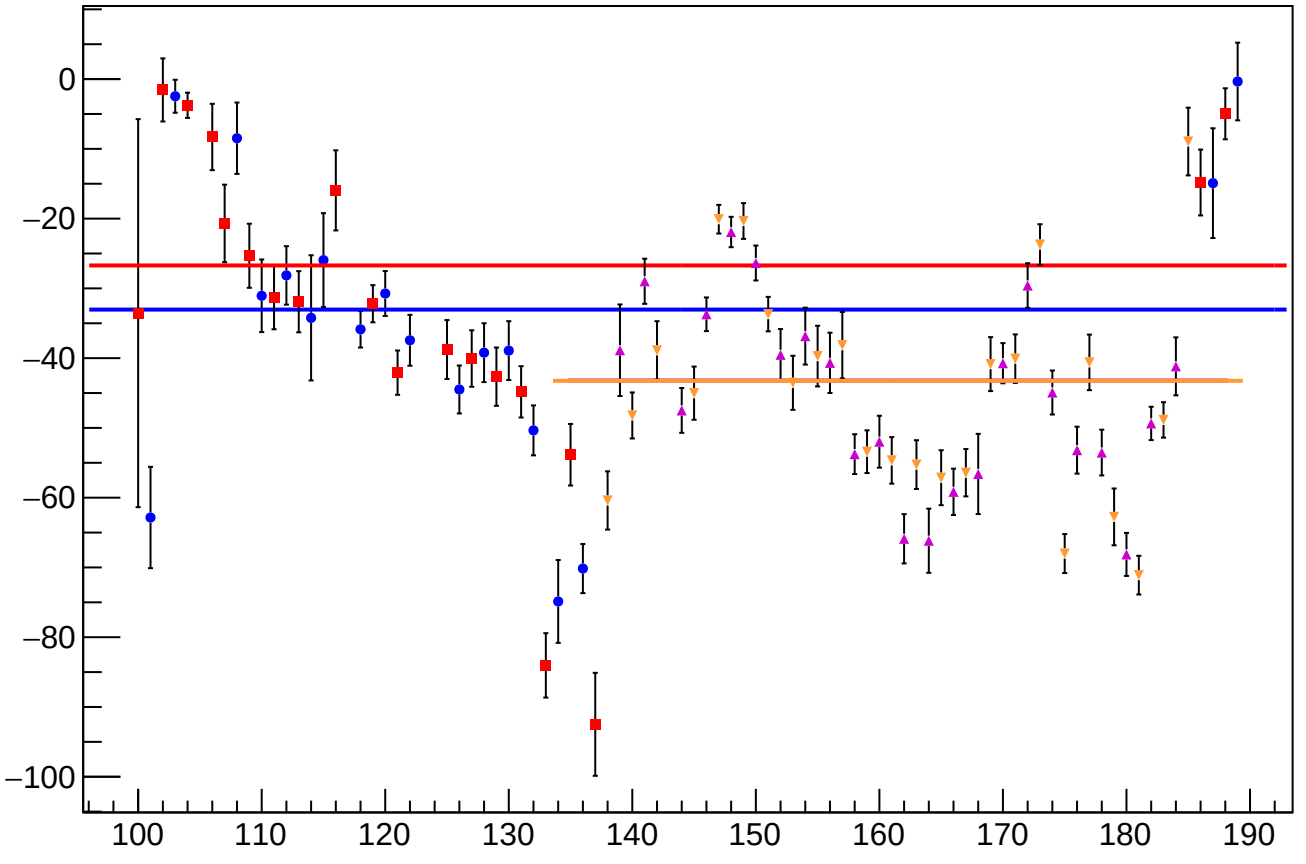
Right Out: -157.218+/-0.667 χ^2/NDF: 23149.1/19

Left In: -168.810+/-0.772 χ^2/NDF:3059.5/22

+ sign -156.025+/-0.547 χ^2/NDF: 20376.6/41

All: -159.341+/-0.371 χ^2/NDF: 46782.4/84

- sign -162.172+/-0.505 χ^2/NDF: 26337.6/42



Right In: -33.038+/-0.947 χ^2/NDF: 452.8/17

Left Out: -43.251+/-0.664 χ^2/NDF:610.2/23

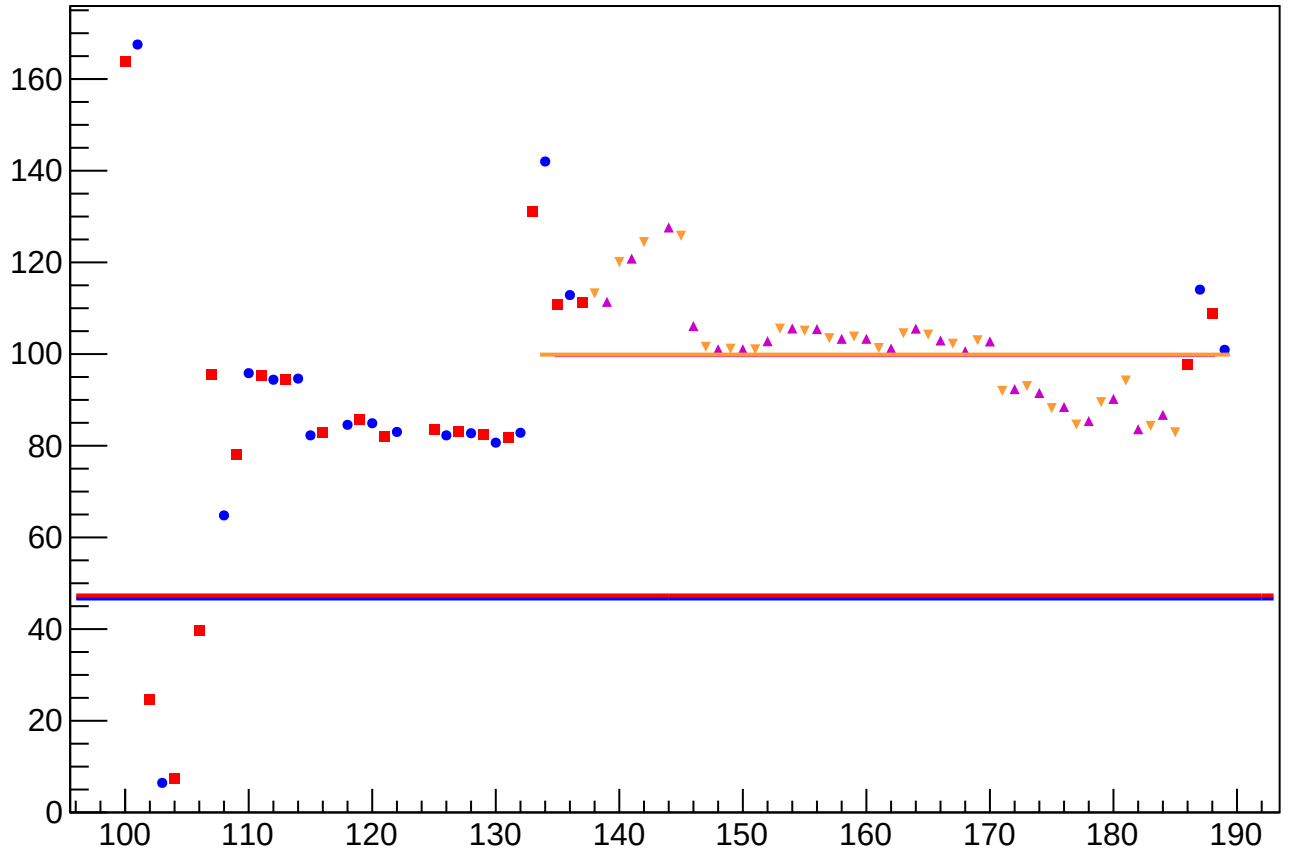
Right Out: -26.713+/-0.865 χ^2/NDF: 613.5/19

Left In: -43.207+/-0.670 χ^2/NDF:405.8/22

+ sign -39.882+/-0.544 χ^2/NDF: 1141.0/41

All: -38.417+/-0.379 χ^2/NDF: 2401.6/84

- sign -37.025+/-0.530 χ^2/NDF: 1246.5/42



Right In: 46.678+/-0.044 χ^2/NDF: 1157128.4/17

Left Out: 99.881+/-0.031 χ^2/NDF:123588.1/23

Right Out: 47.340+/-0.043 χ^2/NDF: 939895.7/19

Left In: 99.769+/-0.031 χ^2/NDF:113501.0/22

+ sign 82.426+/-0.025 χ^2/NDF: 2261715.0/41

All: 82.431+/-0.018 χ^2/NDF: 4288720.6/84

- sign 82.435+/-0.025 χ^2/NDF: 2027005.6/42

Right In: 34.716+/-0.621 χ^2/NDF: 3643.4/17

Left Out: 9.228+/-0.456 χ^2/NDF:327.5/23

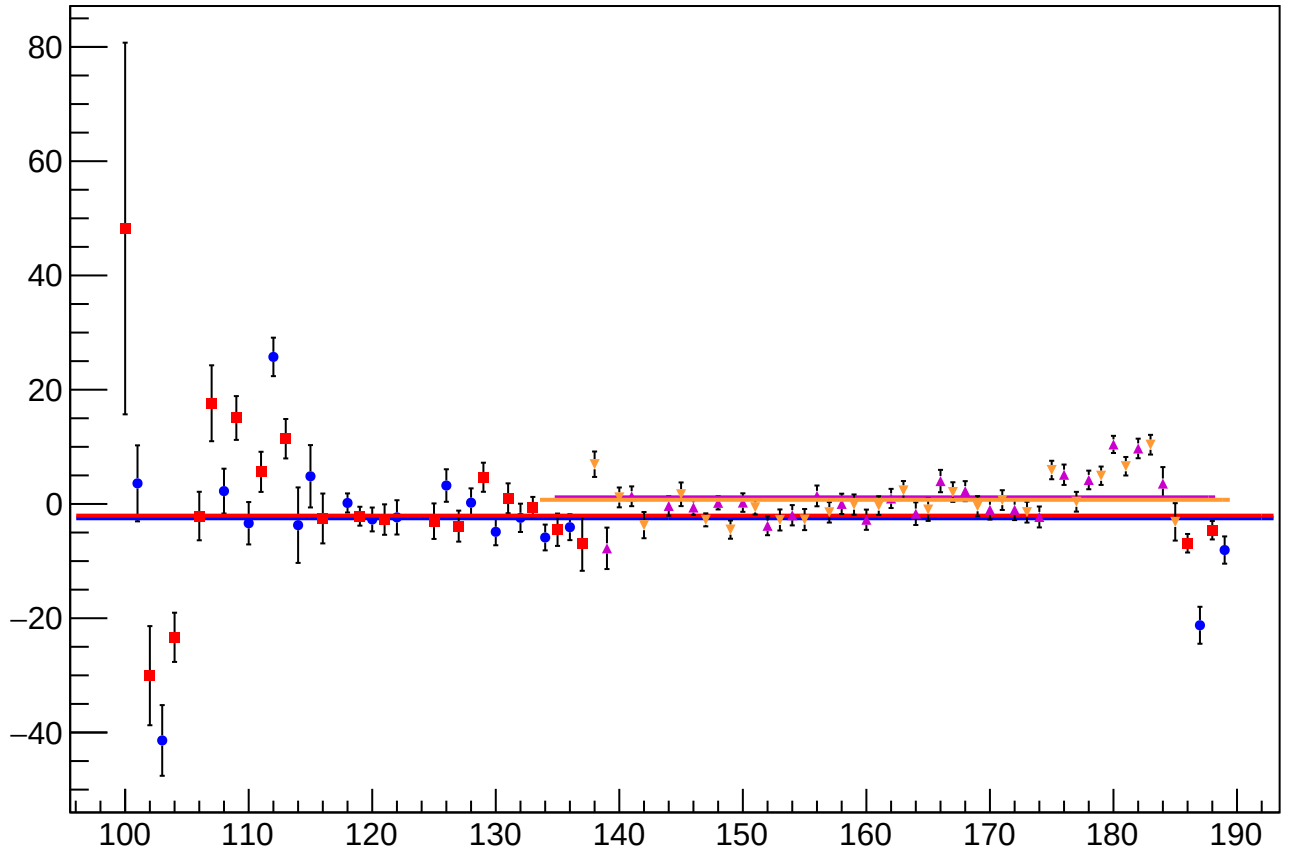
Right Out: 46.615+/-0.538 χ^2/NDF: 7692.1/19

Left In: 9.676+/-0.462 χ^2/NDF:246.7/22

\+ sign 18.164+/-0.368 χ^2/NDF: 5064.2/41

All: 21.943+/-0.254 χ^2/NDF: 15917.3/84

\- sign 25.377+/-0.351 χ^2/NDF: 10651.6/42



Right In: -2.504+/-0.657 χ^2/NDF: 164.6/17

Left Out: 0.730+/-0.350 χ^2/NDF:109.7/23

Right Out: -2.045+/-0.605 χ^2/NDF: 108.7/19

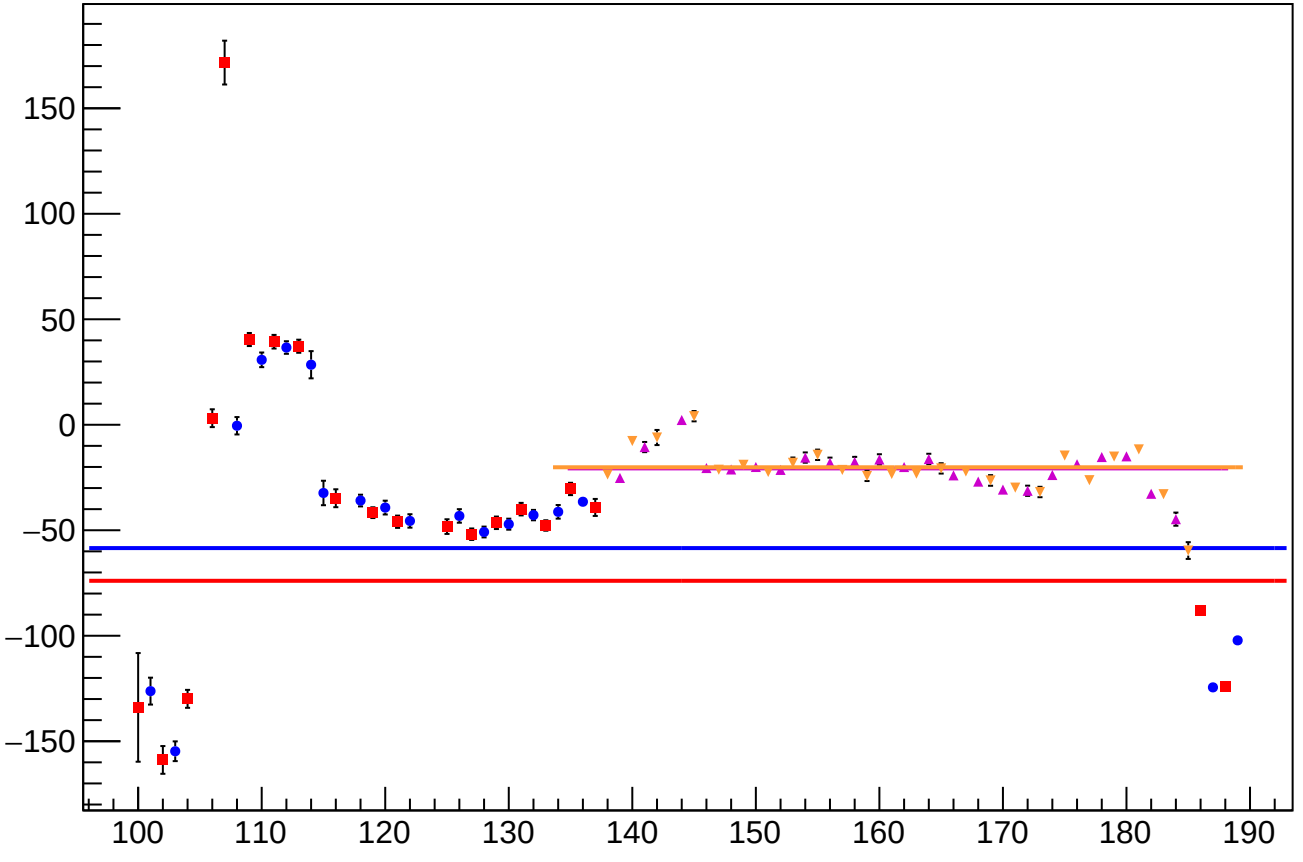
Left In: 1.156+/-0.358 χ^2/NDF:110.4/22

\+ sign 0.017+/-0.309 χ^2/NDF: 293.2/41

All: 0.173+/-0.218 χ^2/NDF: 533.6/84

\- sign 0.329+/-0.308 χ^2/NDF: 239.9/42

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -58.452+/-0.658 χ^2/NDF: 5219.6/17

Left Out: -20.151+/-0.452 χ^2/NDF:420.3/23

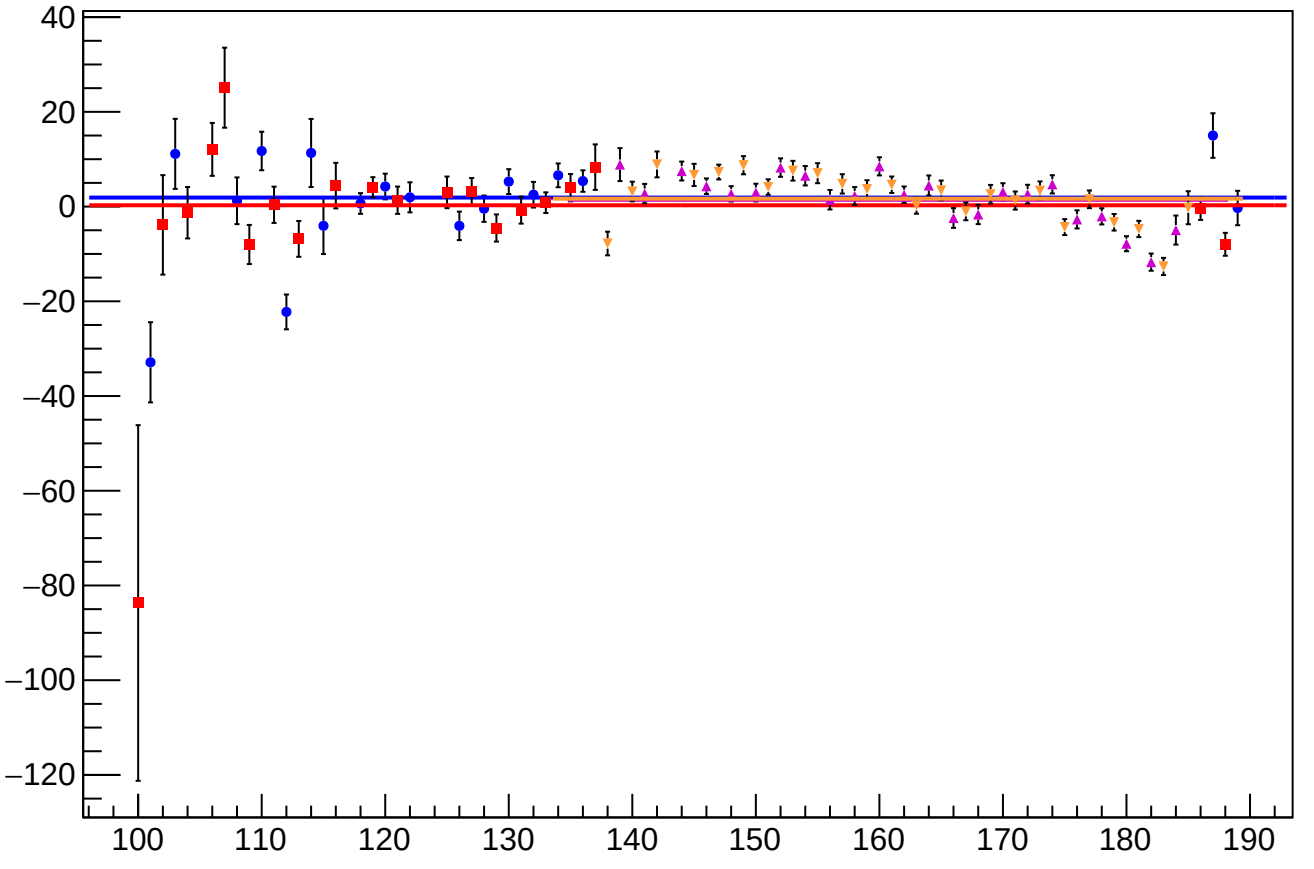
Right Out: -73.957+/-0.527 χ^2/NDF: 9244.4/19

Left In: -20.683+/-0.458 χ^2/NDF:310.5/22

\+ sign -32.443+/-0.373 χ^2/NDF: 7939.9/41

All: -38.436+/-0.253 χ^2/NDF: 23800.7/84

\- sign -43.583+/-0.346 χ^2/NDF: 15380.5/42



Right In: 1.900+/-0.768 χ^2/NDF: 91.5/17

Left Out: 1.671+/-0.395 χ^2/NDF:178.0/23

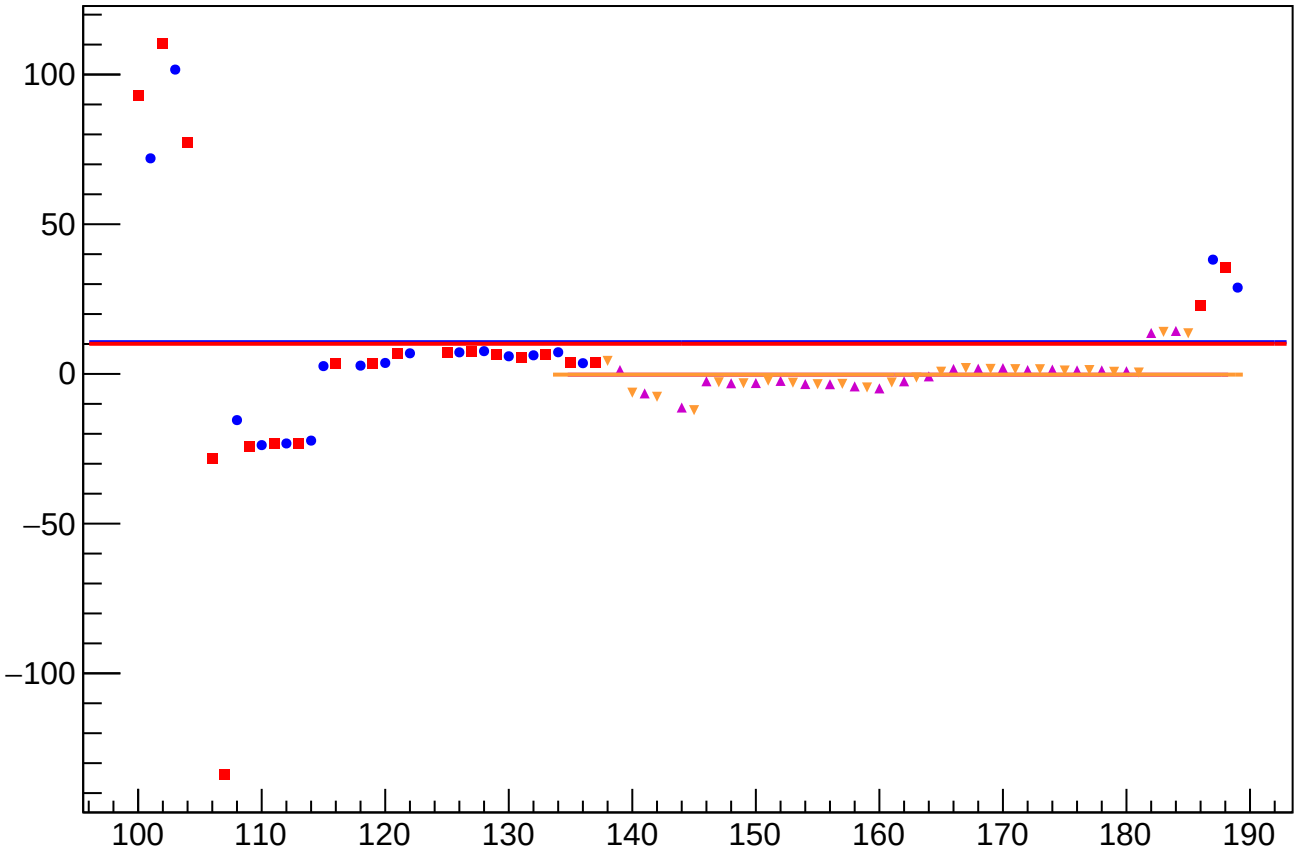
Right Out: 0.273+/-0.736 χ^2/NDF: 50.8/19

Left In: 1.428+/-0.403 χ^2/NDF:162.8/22

+ sign 1.719+/-0.351 χ^2/NDF: 269.6/41

All: 1.442+/-0.249 χ^2/NDF: 486.3/84

- sign 1.162+/-0.353 χ^2/NDF: 215.5/42



Right In: 10.602+/-0.046 χ^2/NDF: 338850.1/17

Left Out: -0.229+/-0.018 χ^2/NDF:80976.2/23

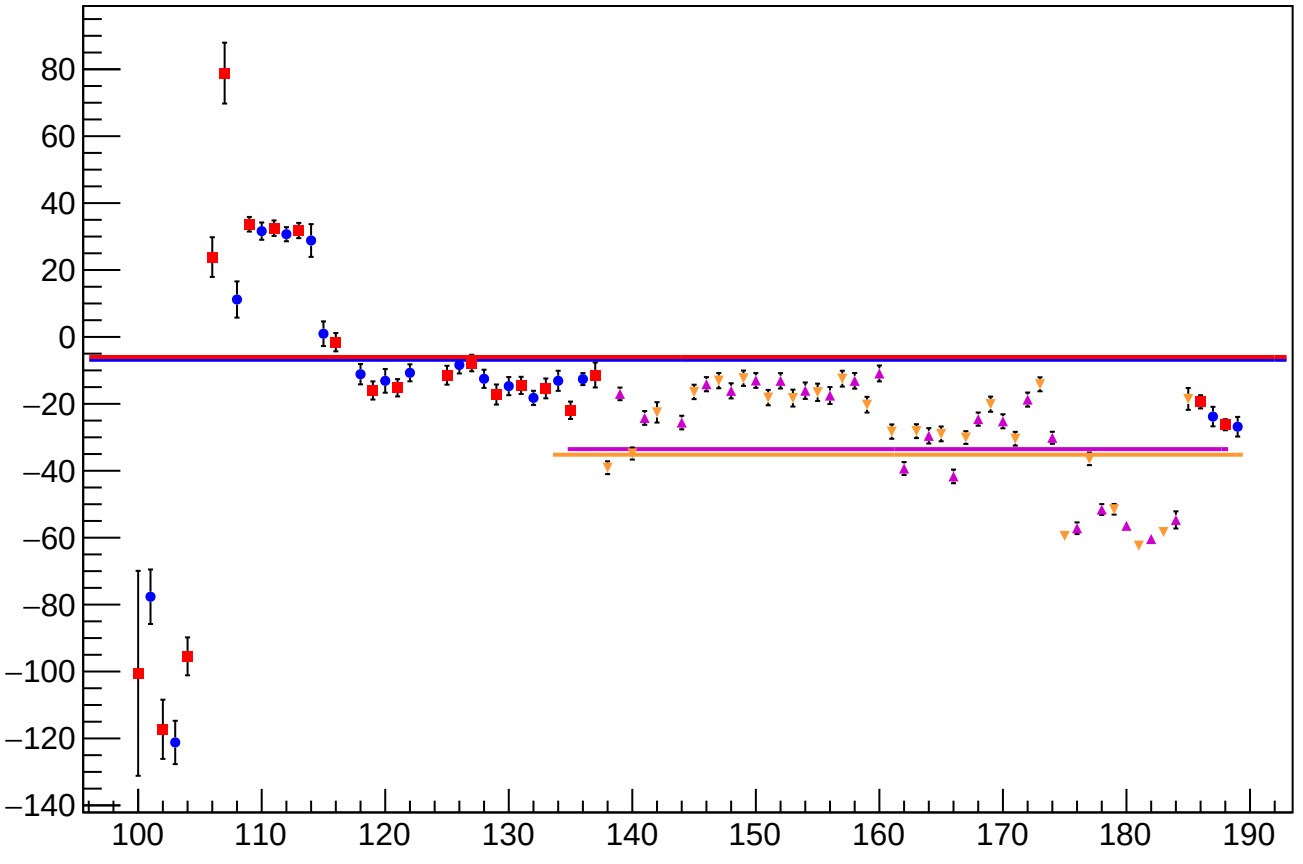
Right Out: 10.073+/-0.046 χ^2/NDF: 503912.6/19

Left In: -0.270+/-0.018 χ^2/NDF:72783.3/22

+ sign 1.172+/-0.016 χ^2/NDF: 468595.9/41

All: 1.119+/-0.012 χ^2/NDF: 1089249.5/84

- sign 1.067+/-0.017 χ^2/NDF: 620633.3/42



Right In: -6.826+/-0.673 χ^2/NDF: 1136.0/17

Left Out: -35.201+/-0.408 χ^2/NDF:1850.7/23

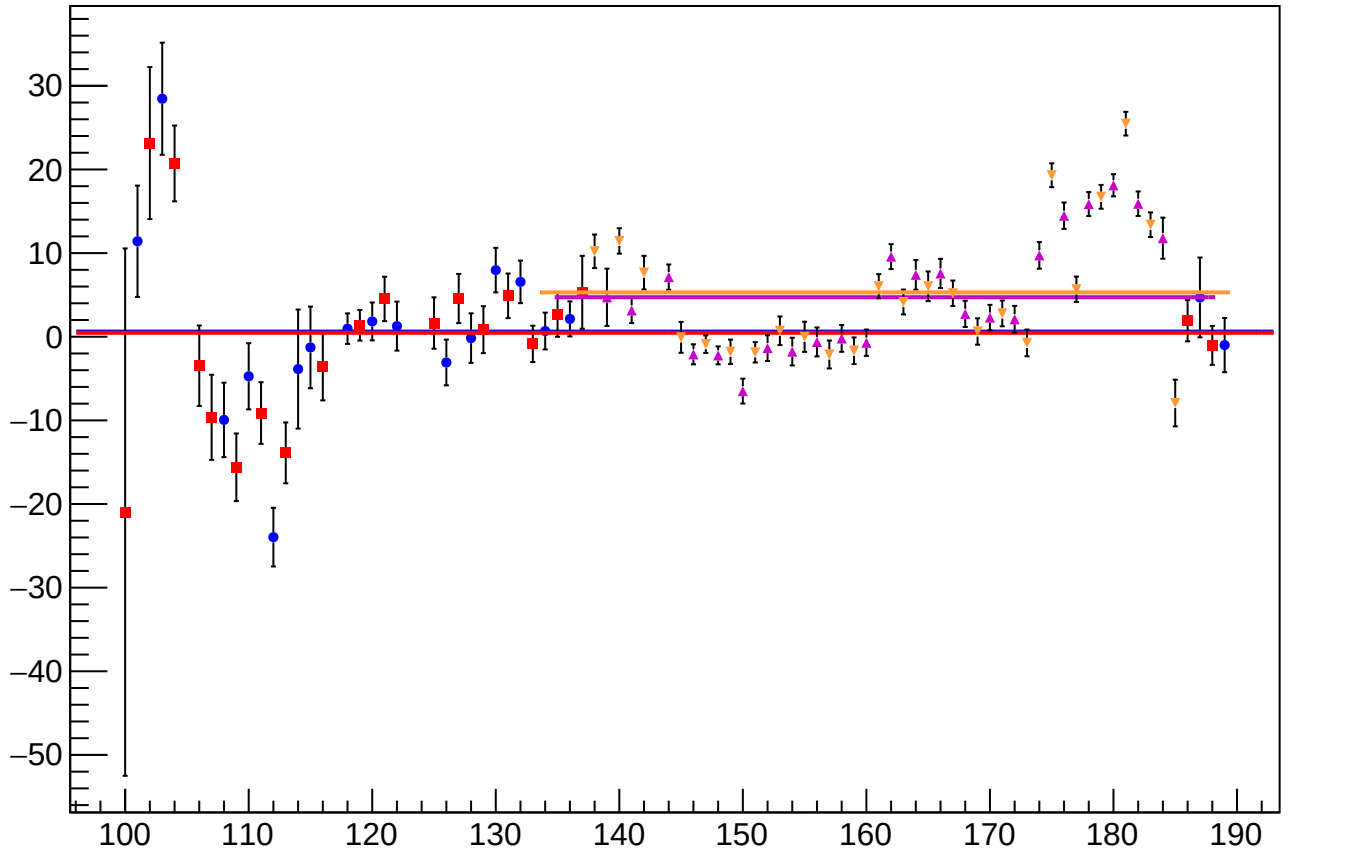
Right Out: -5.990+/-0.620 χ^2/NDF: 1713.7/19

Left In: -33.528+/-0.414 χ^2/NDF:1806.1/22

+ sign -27.568+/-0.349 χ^2/NDF: 4286.7/41

All: -26.289+/-0.245 χ^2/NDF: 9198.2/84

- sign -25.045+/-0.344 χ^2/NDF: 4884.9/42



Right In: 0.616+/-0.702 χ^2/NDF: 93.9/17

Left Out: 5.307+/-0.315 χ^2/NDF:624.4/23

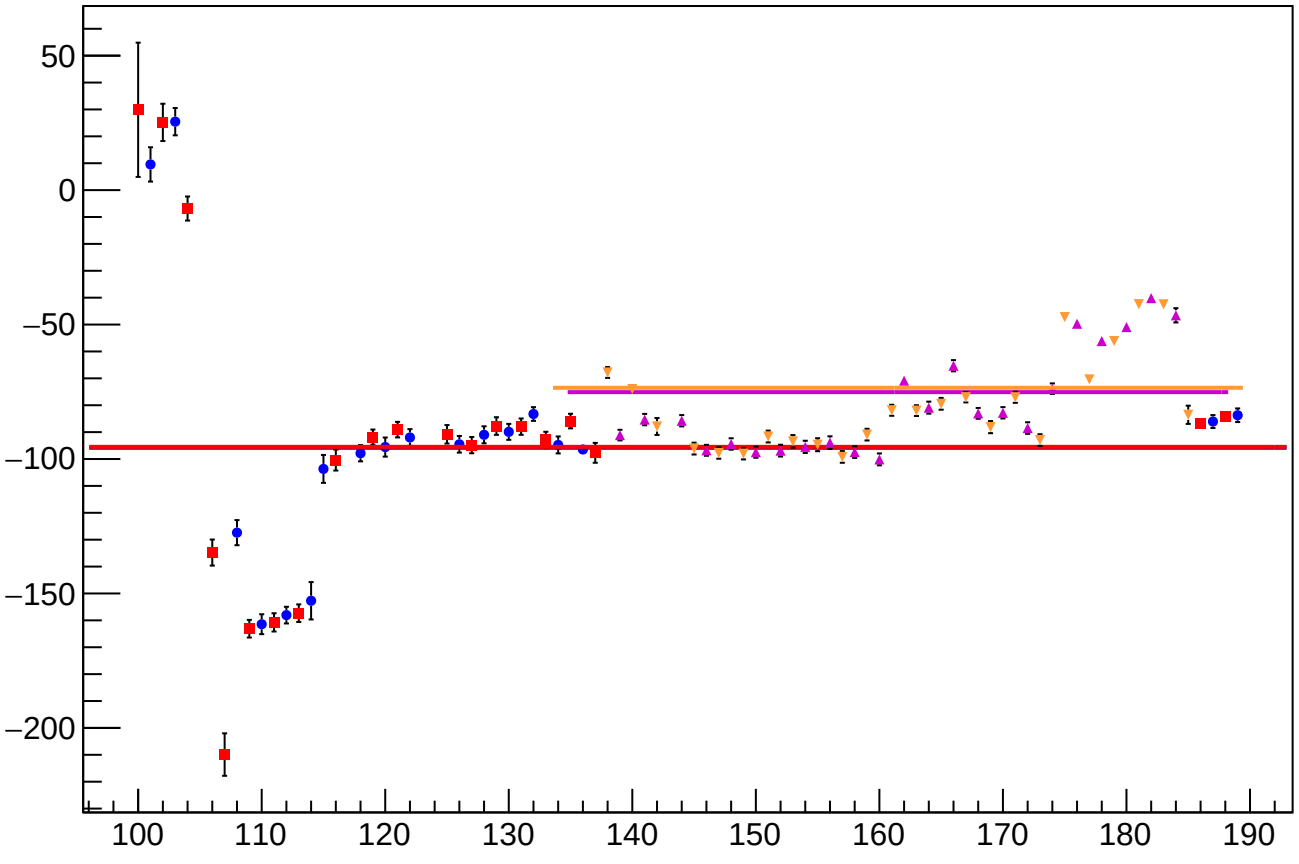
Right Out: 0.473+/-0.689 χ^2/NDF: 80.9/19

Left In: 4.727+/-0.321 χ^2/NDF:496.0/22

+ sign 4.520+/-0.287 χ^2/NDF: 755.4/41

All: 4.248+/-0.204 χ^2/NDF: 1365.4/84

- sign 3.968+/-0.291 χ^2/NDF: 608.2/42



Right In: -95.806+/-0.736 χ^2/NDF: 1747.6/17

Left Out: -73.506+/-0.405 χ^2/NDF:2392.0/23

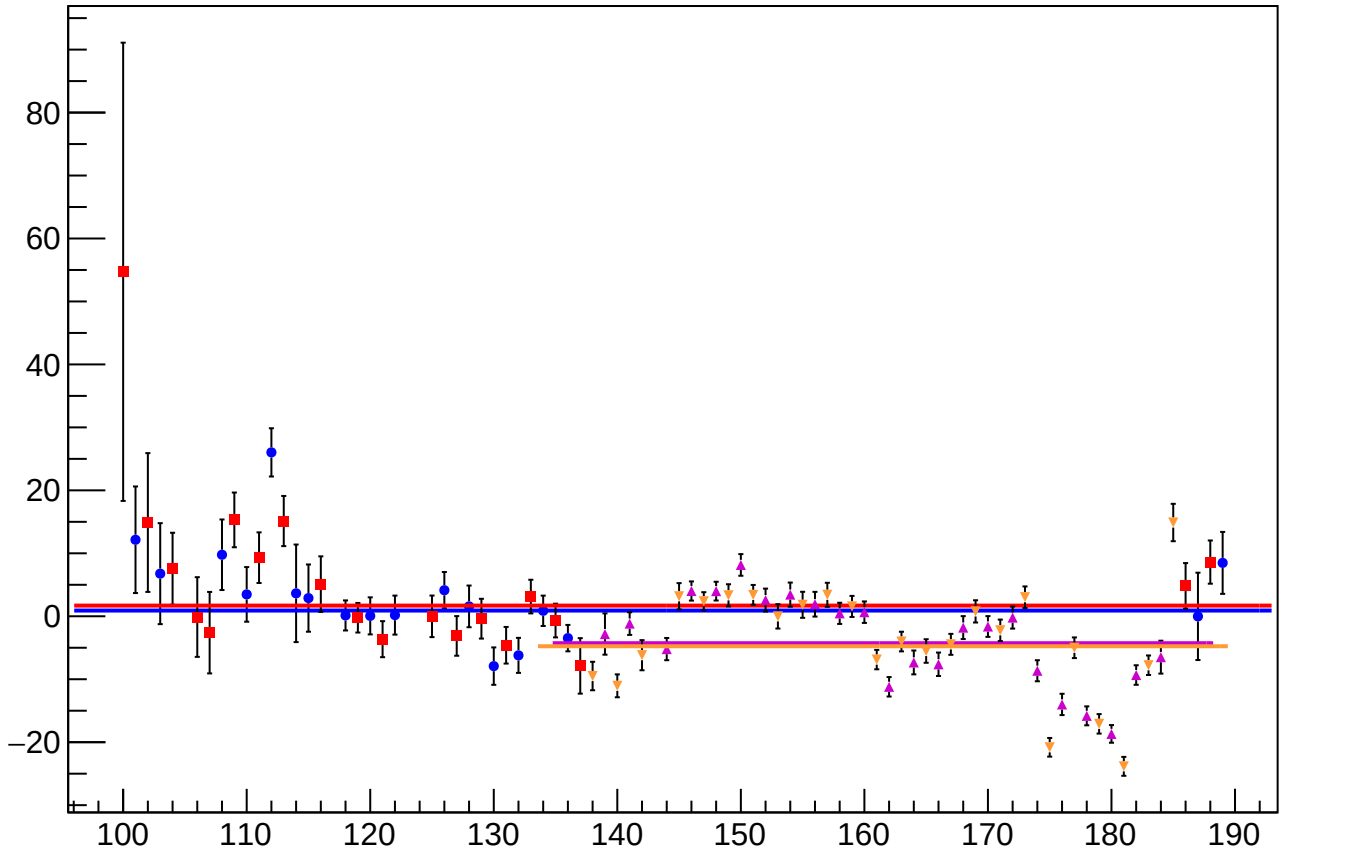
Right Out: -95.477+/-0.647 χ^2/NDF: 2287.0/19

Left In: -75.133+/-0.410 χ^2/NDF:2361.9/22

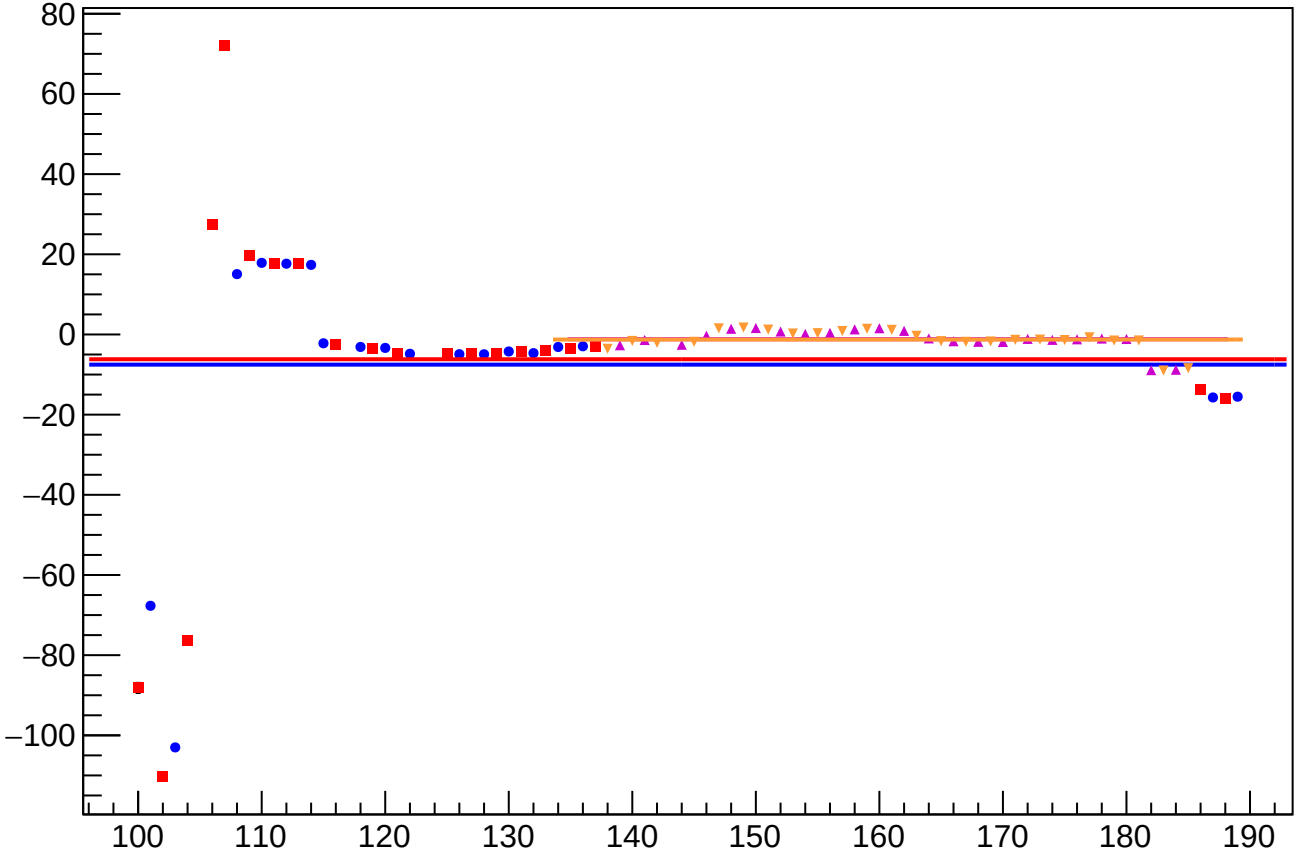
+ sign -78.690+/-0.355 χ^2/NDF: 4843.3/41

All: -79.853+/-0.248 χ^2/NDF: 10218.4/84

- sign -80.961+/-0.346 χ^2/NDF: 5354.1/42


reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs Slug
80
60
40
20
0
−20
100
110
120
130
140
150
160
170
180
190
Right In: 0.909+/-0.805 χ²/NDF: 72.1/17
Left Out: -4.762+/-0.355 χ²/NDF:576.9/23
Right Out: 1.695+/-0.810 χ²/NDF: 53.0/19
Left In: -4.278+/-0.361 χ²/NDF:424.1/22
+ sign -3.839+/-0.325 χ²/NDF: 690.6/41
All: -3.568+/-0.231 χ²/NDF: 1214.5/84
- sign -3.288+/-0.330 χ²/NDF: 522.5/42

reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs Slug



Right In: -7.525+/-0.047 χ^2/NDF: 267379.2/17

Left Out: -1.267+/-0.016 χ^2/NDF:25091.1/23

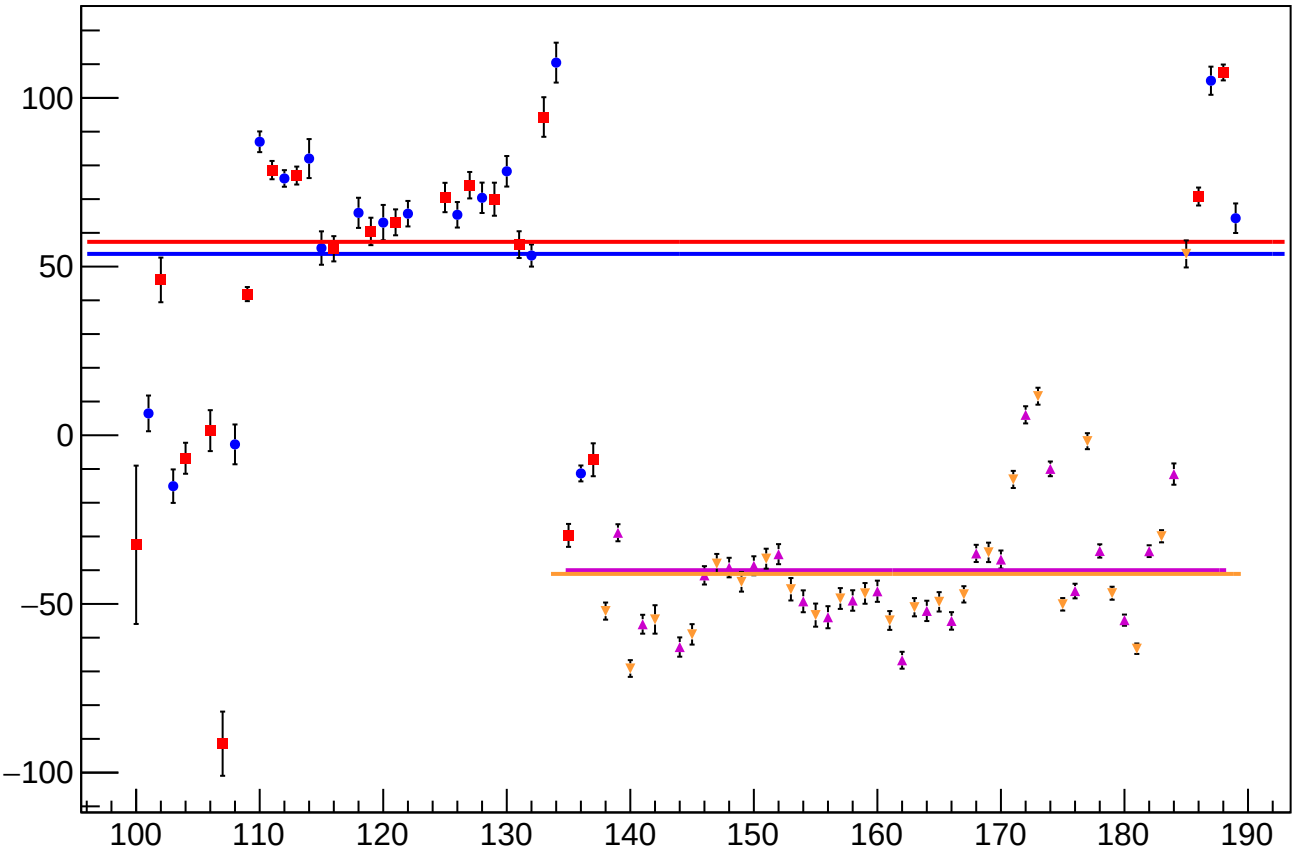
Right Out: -6.182+/-0.049 χ^2/NDF: 344505.2/19

Left In: -1.180+/-0.016 χ^2/NDF:24754.1/22

+ sign -1.912+/-0.015 χ^2/NDF: 308493.9/41

All: -1.784+/-0.011 χ^2/NDF: 687215.3/84

- sign -1.654+/-0.015 χ^2/NDF: 378576.5/42



Right In: 53.764+/-0.920 χ^2/NDF: 1672.2/17

Left Out: -41.097+/-0.517 χ^2/NDF:1948.2/23

Right Out: 57.336+/-0.812 χ^2/NDF: 2100.7/19

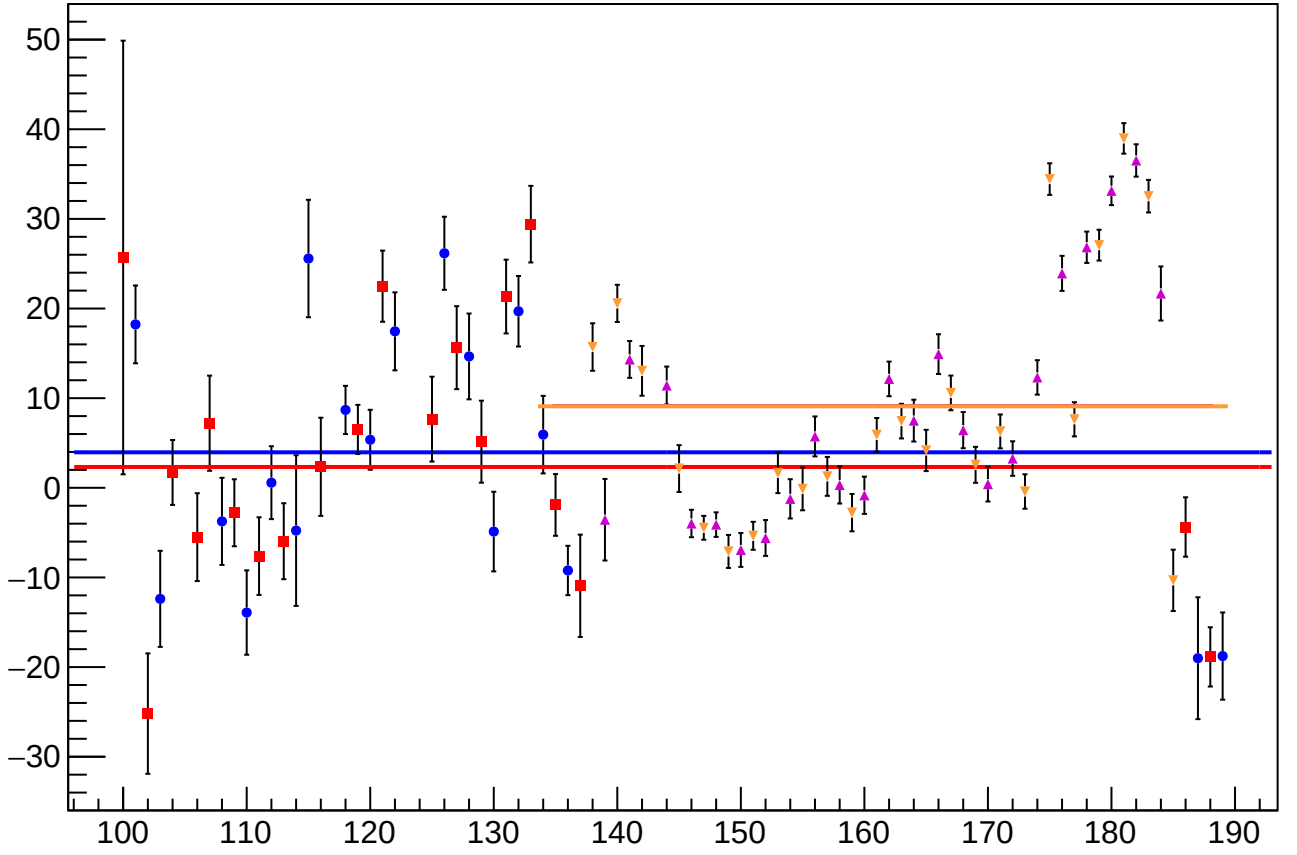
Left In: -40.000+/-0.524 χ^2/NDF:1031.8/22

\+ sign -18.288+/-0.451 χ^2/NDF: 11704.0/41

All: -14.735+/-0.315 χ^2/NDF: 25105.3/84

\- sign -11.344+/-0.440 χ^2/NDF: 13279.9/42

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 3.961+/-0.989 χ^2/NDF: 173.6/17

Left Out: 9.094+/-0.401 χ^2/NDF:1253.7/23

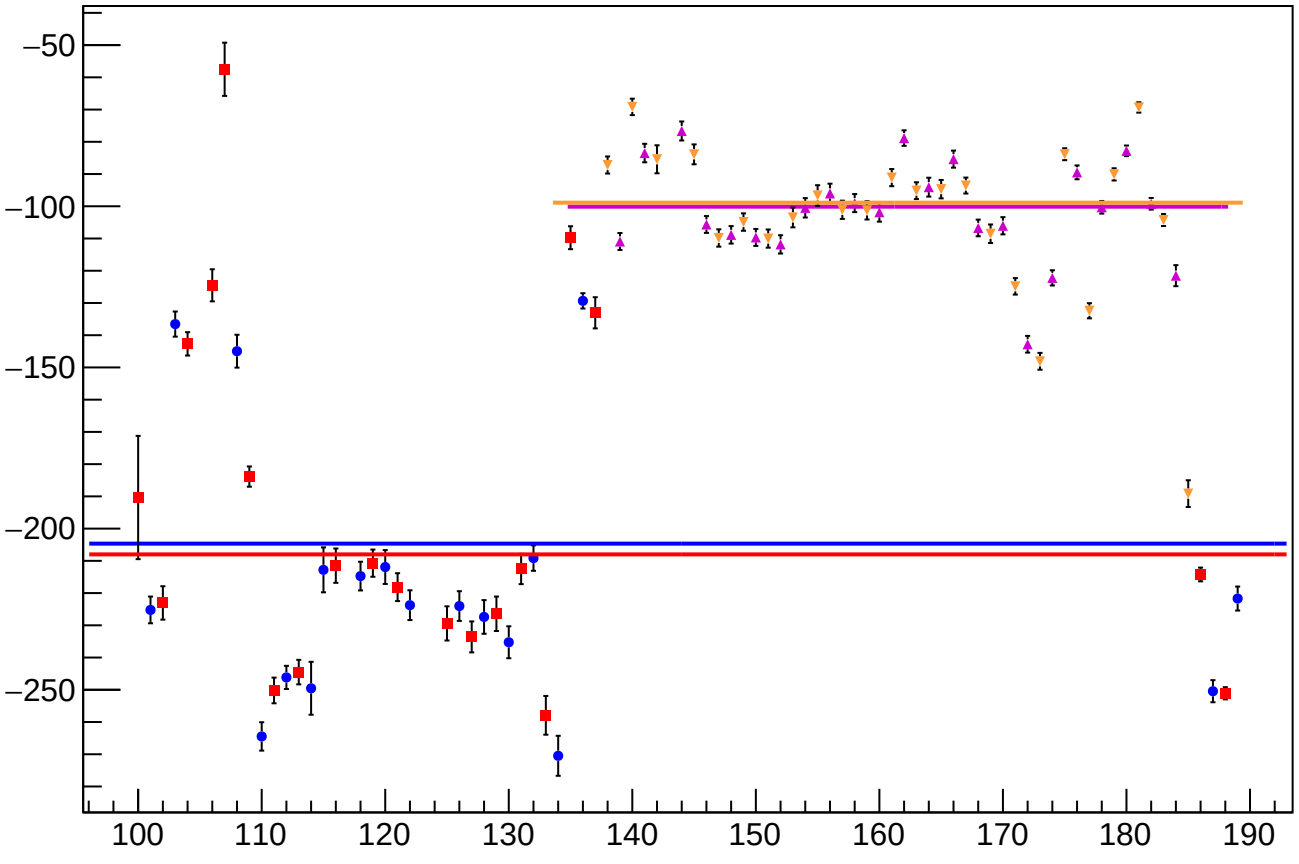
Right Out: 2.325+/-0.937 χ^2/NDF: 183.8/19

Left In: 9.121+/-0.409 χ^2/NDF:1051.8/22

+ sign 8.368+/-0.372 χ^2/NDF: 1450.5/41

All: 8.202+/-0.264 χ^2/NDF: 2730.7/84

- sign 8.034+/-0.375 χ^2/NDF: 1279.8/42



Right In: -204.660+/-0.995 χ^2/NDF: 2232.5/17

Left Out: -98.883+/-0.514 χ^2/NDF:1824.5/23

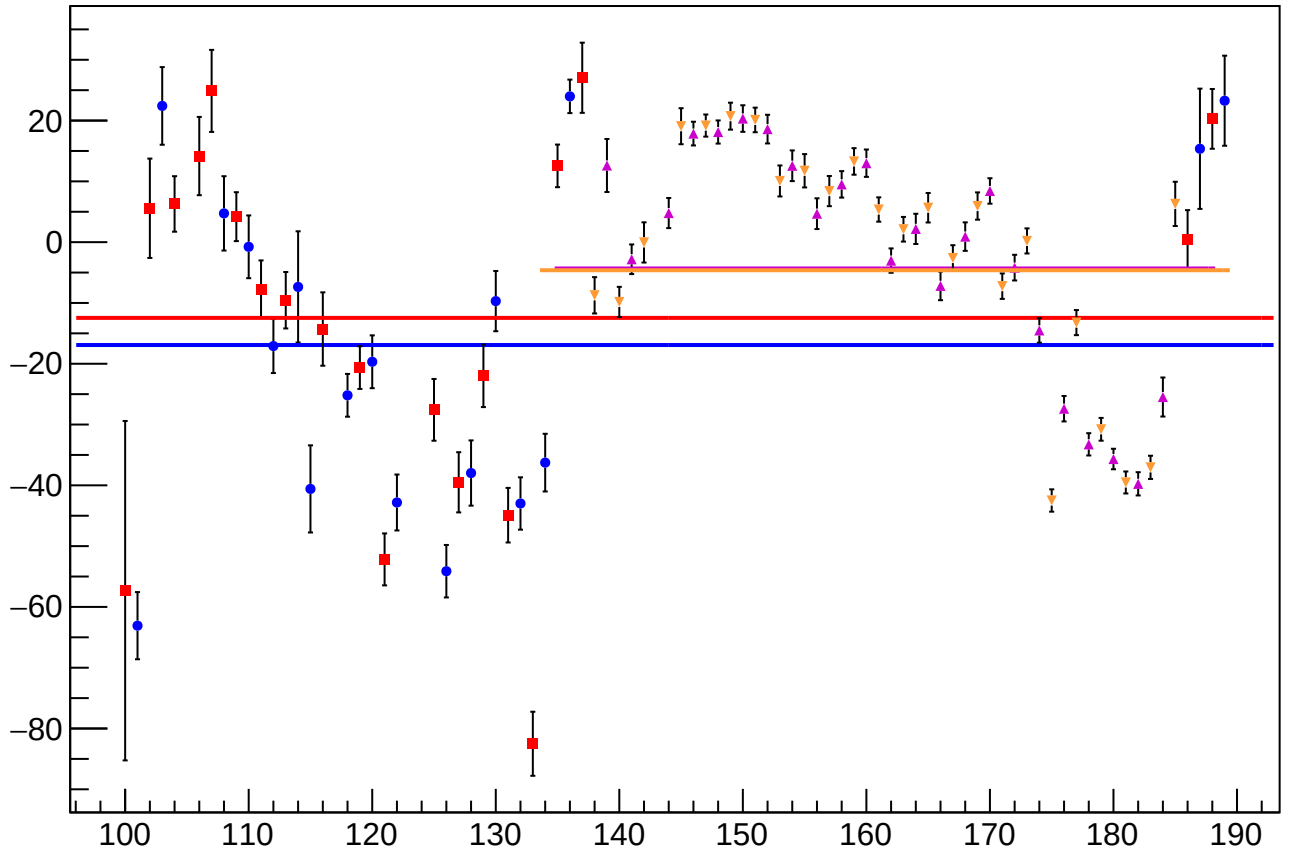
Right Out: -207.996+/-0.859 χ^2/NDF: 2872.1/19

Left In: -100.127+/-0.520 χ^2/NDF:823.2/22

+ sign -121.162+/-0.457 χ^2/NDF: 12972.0/41

All: -125.217+/-0.319 χ^2/NDF: 28360.7/84

- sign -129.063+/-0.445 χ^2/NDF: 15235.2/42



Right In: -16.920+/-1.138 χ^2/NDF: 585.5/17

Left Out: -4.618+/-0.451 χ^2/NDF:2078.3/23

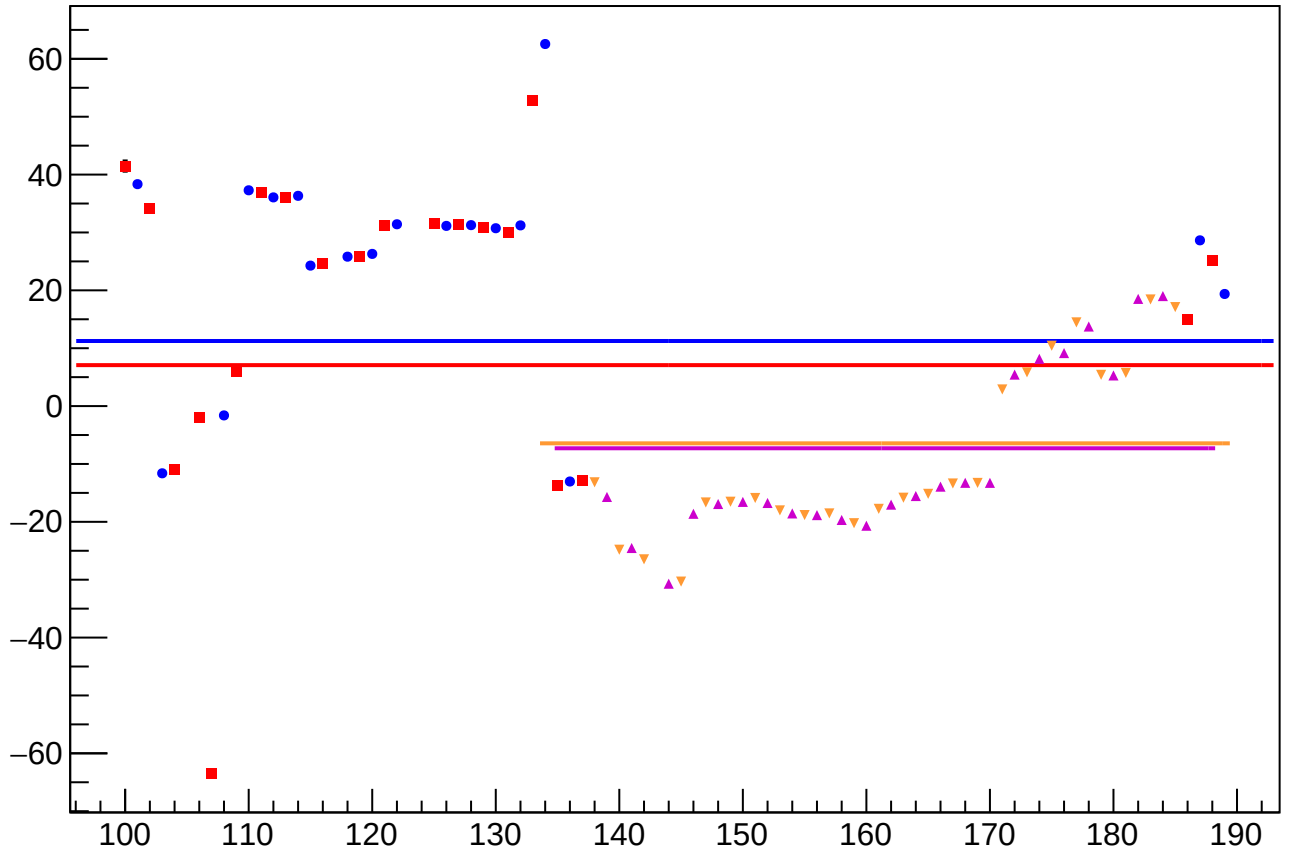
Right Out: -12.455+/-1.101 χ^2/NDF: 602.7/19

Left In: -4.328+/-0.459 χ^2/NDF:1854.2/22

+ sign -6.290+/-0.420 χ^2/NDF: 2764.8/41

All: -5.914+/-0.298 χ^2/NDF: 5269.7/84

- sign -5.530+/-0.424 χ^2/NDF: 2503.2/42



Right In: 11.246+/-0.061 χ^2/NDF: 166586.7/17

Left Out: -6.437+/-0.020 χ^2/NDF:496714.6/23

Right Out: 7.076+/-0.061 χ^2/NDF: 161453.7/19

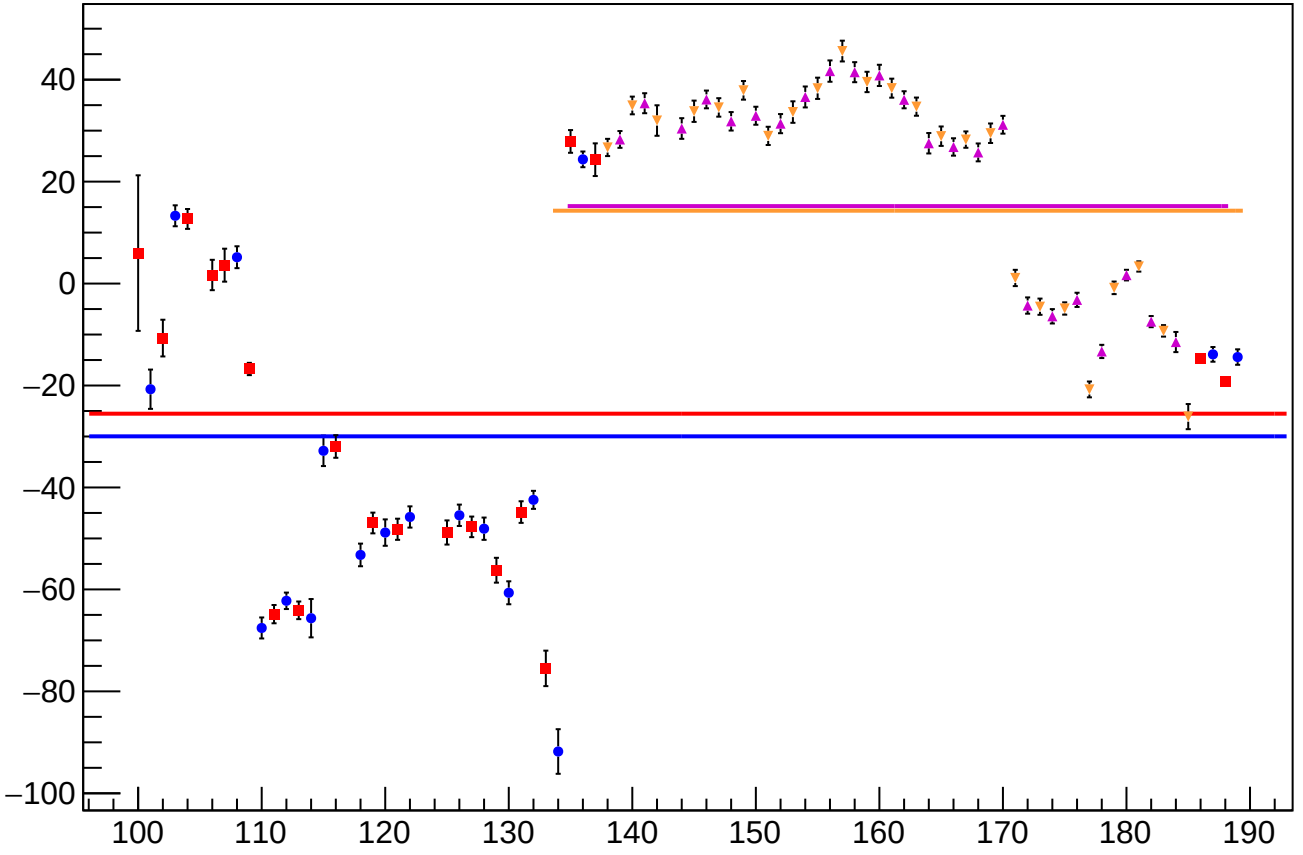
Left In: -7.292+/-0.020 χ^2/NDF:488261.5/22

\+ sign -4.708+/-0.019 χ^2/NDF: 738291.6/41

All: -5.274+/-0.014 χ^2/NDF: 1440256.6/84

\- sign -5.843+/-0.019 χ^2/NDF: 700219.8/42

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -29.971+/-0.485 χ^2/NDF: 3792.4/17

Left Out: 14.295+/-0.335 χ^2/NDF:3726.3/23

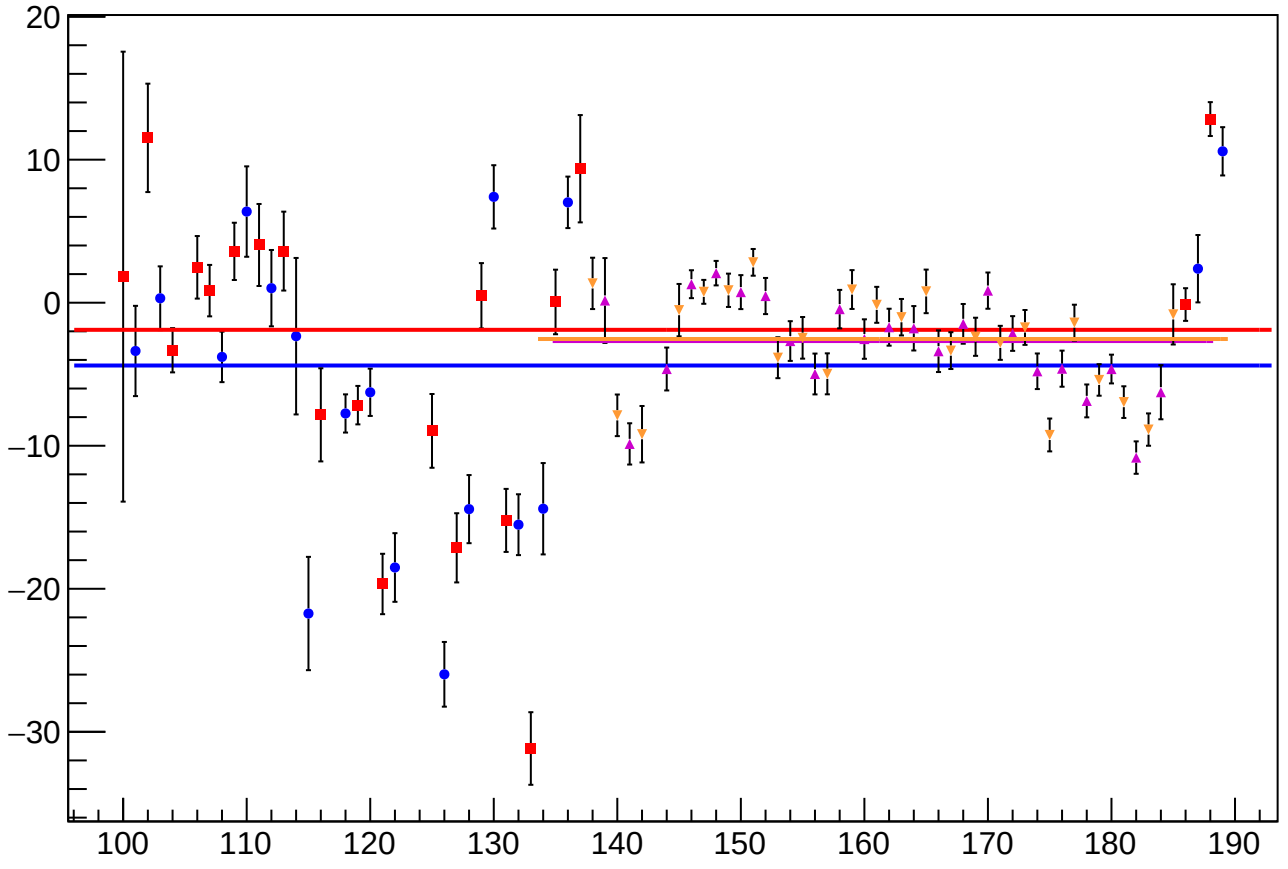
Right Out: -25.527+/-0.398 χ^2/NDF: 3510.2/19

Left In: 15.194+/-0.339 χ^2/NDF:3406.6/22

+ sign -0.005+/-0.276 χ^2/NDF: 13152.5/41

All: -1.030+/-0.189 χ^2/NDF: 26148.0/84

- sign -1.930+/-0.258 χ^2/NDF: 12969.6/42



Right In: -4.391+/-0.513 χ^2/NDF: 383.4/17

Left Out: -2.538+/-0.259 χ^2/NDF:198.4/23

Right Out: -1.896+/-0.447 χ^2/NDF: 509.8/19

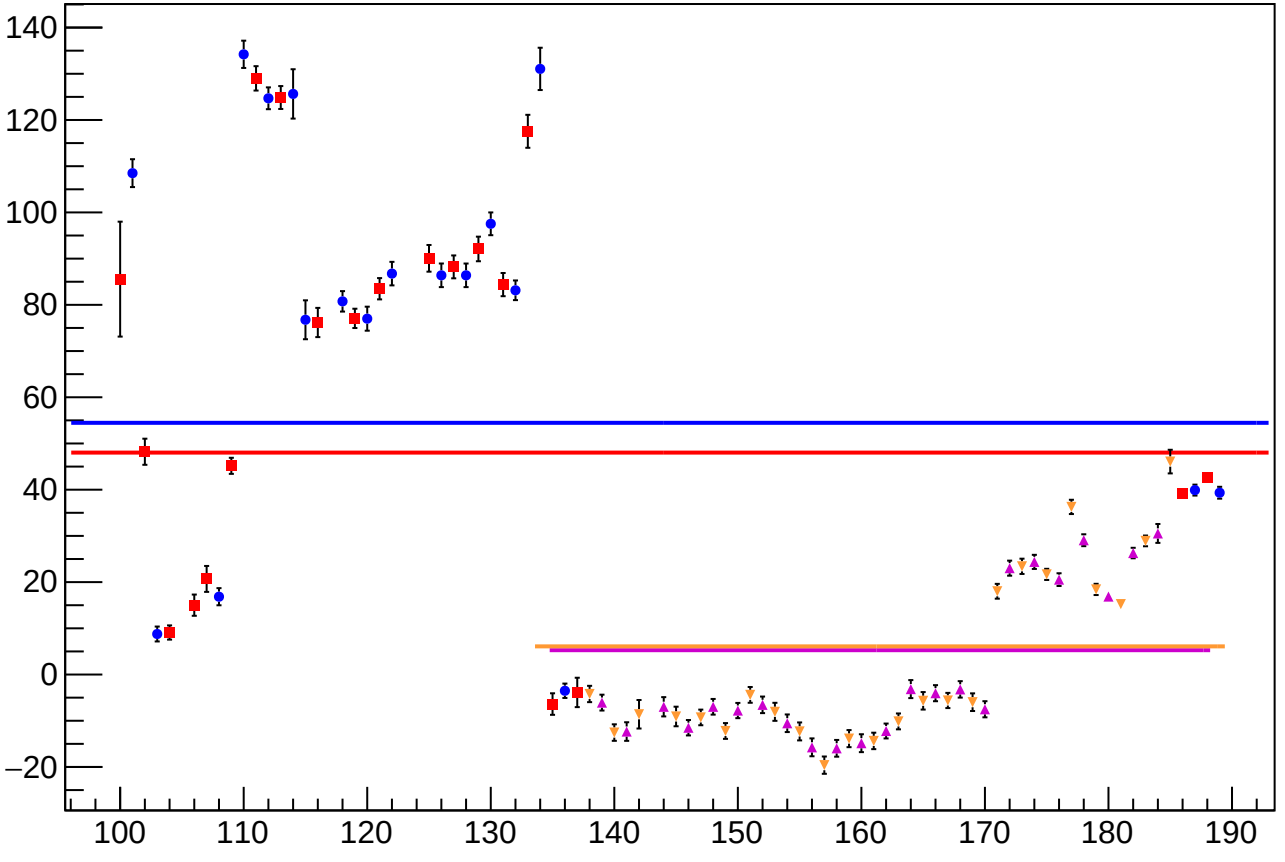
Left In: -2.681+/-0.265 χ^2/NDF:182.0/22

\+ sign -2.914+/-0.231 χ^2/NDF: 592.2/41

All: -2.692+/-0.162 χ^2/NDF: 1288.1/84

\- sign -2.477+/-0.228 χ^2/NDF: 694.1/42

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 54.470+/-0.491 χ^2/NDF: 6491.8/17

Left Out: 6.095+/-0.333 χ^2/NDF:2773.9/23

Right Out: 48.027+/-0.380 χ^2/NDF: 5721.0/19

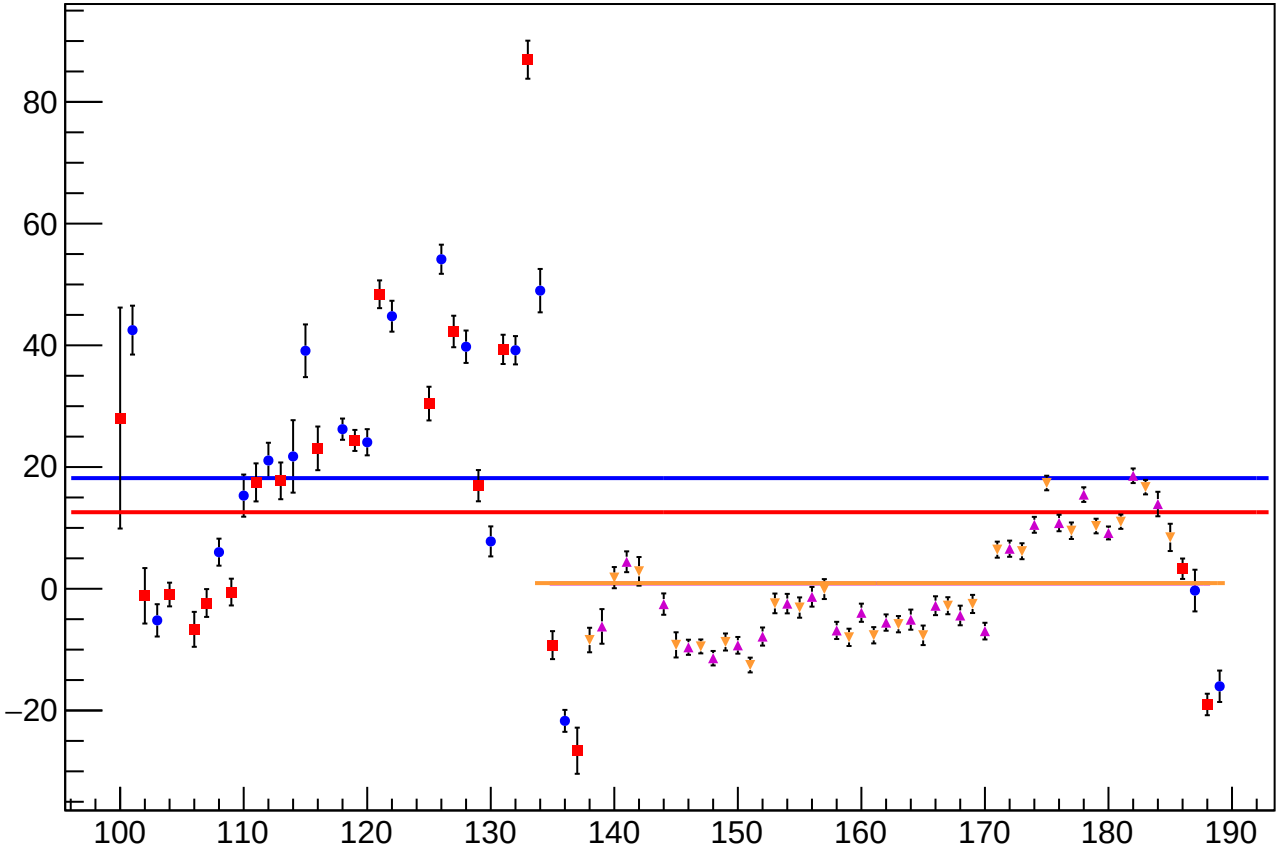
Left In: 5.269+/-0.337 χ^2/NDF:2451.2/22

+ sign 21.334+/-0.275 χ^2/NDF: 15919.0/41

All: 22.811+/-0.186 χ^2/NDF: 31233.8/84

- sign 24.048+/-0.252 χ^2/NDF: 15262.0/42

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 18.181+/-0.611 χ^2/NDF: 1468.6/17

Left Out: 0.929+/-0.292 χ^2/NDF:1041.7/23

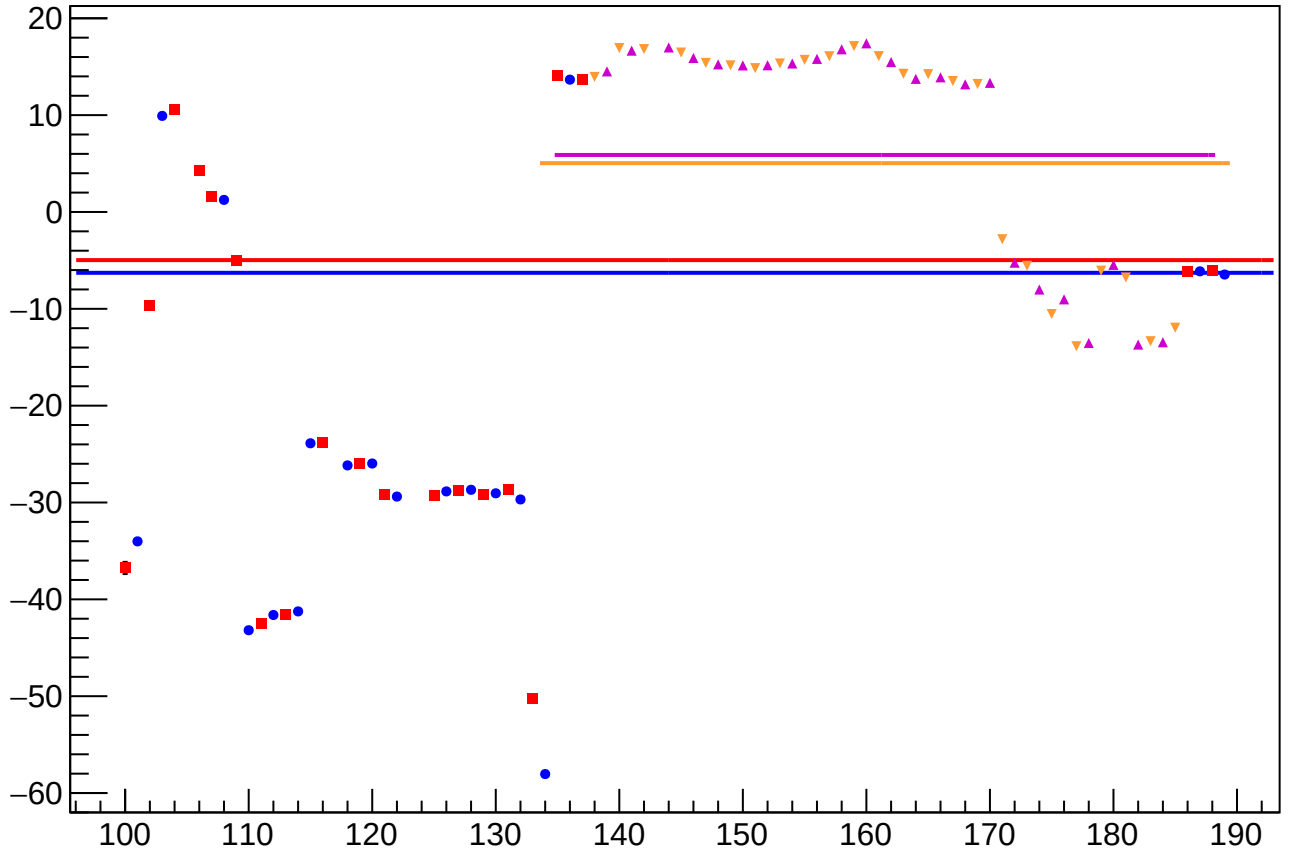
Right Out: 12.578+/-0.551 χ^2/NDF: 1901.5/19

Left In: 0.878+/-0.297 χ^2/NDF:1006.0/22

+ sign 4.130+/-0.263 χ^2/NDF: 3158.9/41

All: 3.821+/-0.186 χ^2/NDF: 6418.5/84

- sign 3.516+/-0.262 χ^2/NDF: 3256.8/42



Right In: -6.282+/-0.032 χ^2/NDF: 410464.2/17

Left Out: 5.042+/-0.013 χ^2/NDF:855564.2/23

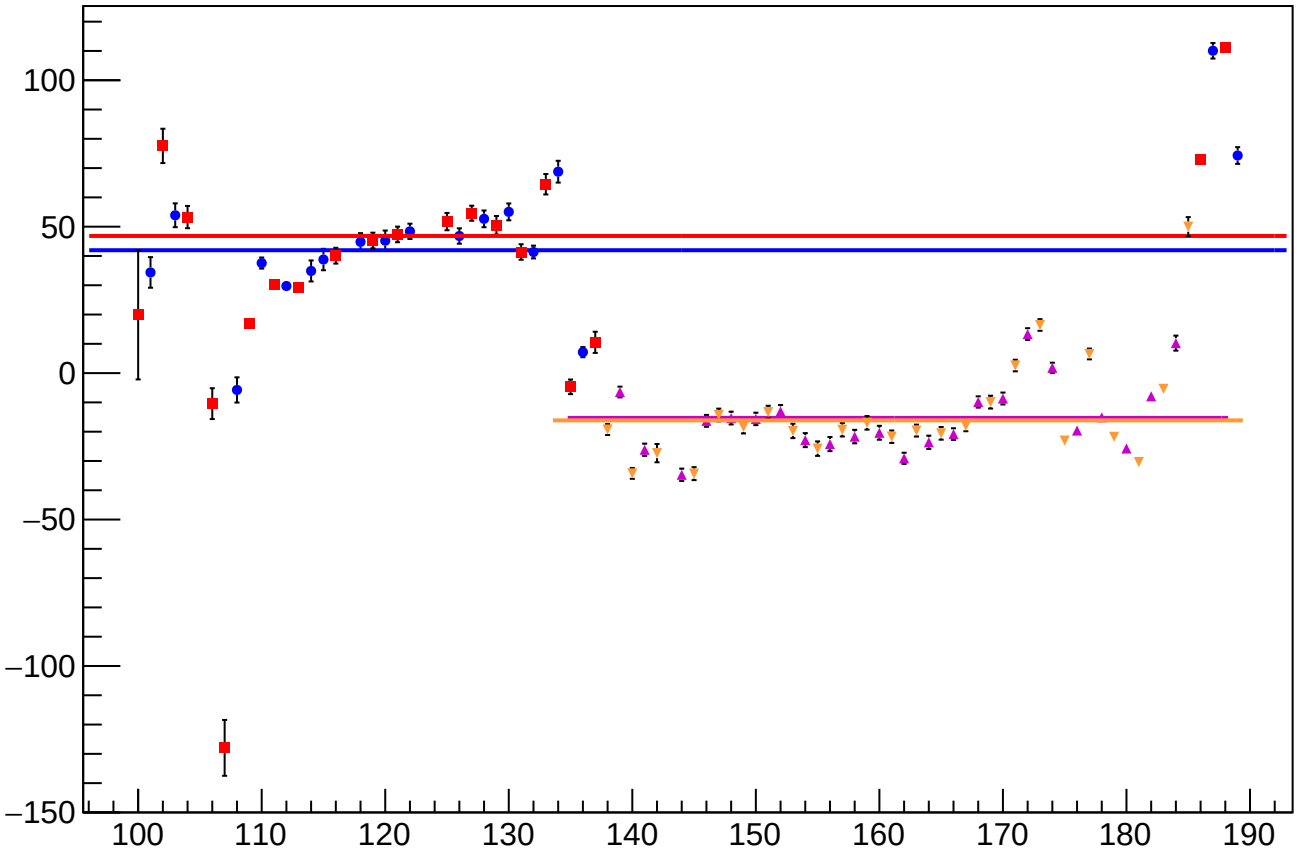
Right Out: -4.971+/-0.030 χ^2/NDF: 306970.9/19

Left In: 5.886+/-0.013 χ^2/NDF:846355.0/22

+ sign 3.392+/-0.012 χ^2/NDF: 1375568.9/41

All: 3.788+/-0.009 χ^2/NDF: 2637939.2/84

- sign 4.185+/-0.012 χ^2/NDF: 1260214.1/42



Right In: 41.960+/-0.622 χ^2/NDF: 1483.2/17

Left Out: -16.132+/-0.398 χ^2/NDF:1364.9/23

Right Out: 46.835+/-0.551 χ^2/NDF: 3693.3/19

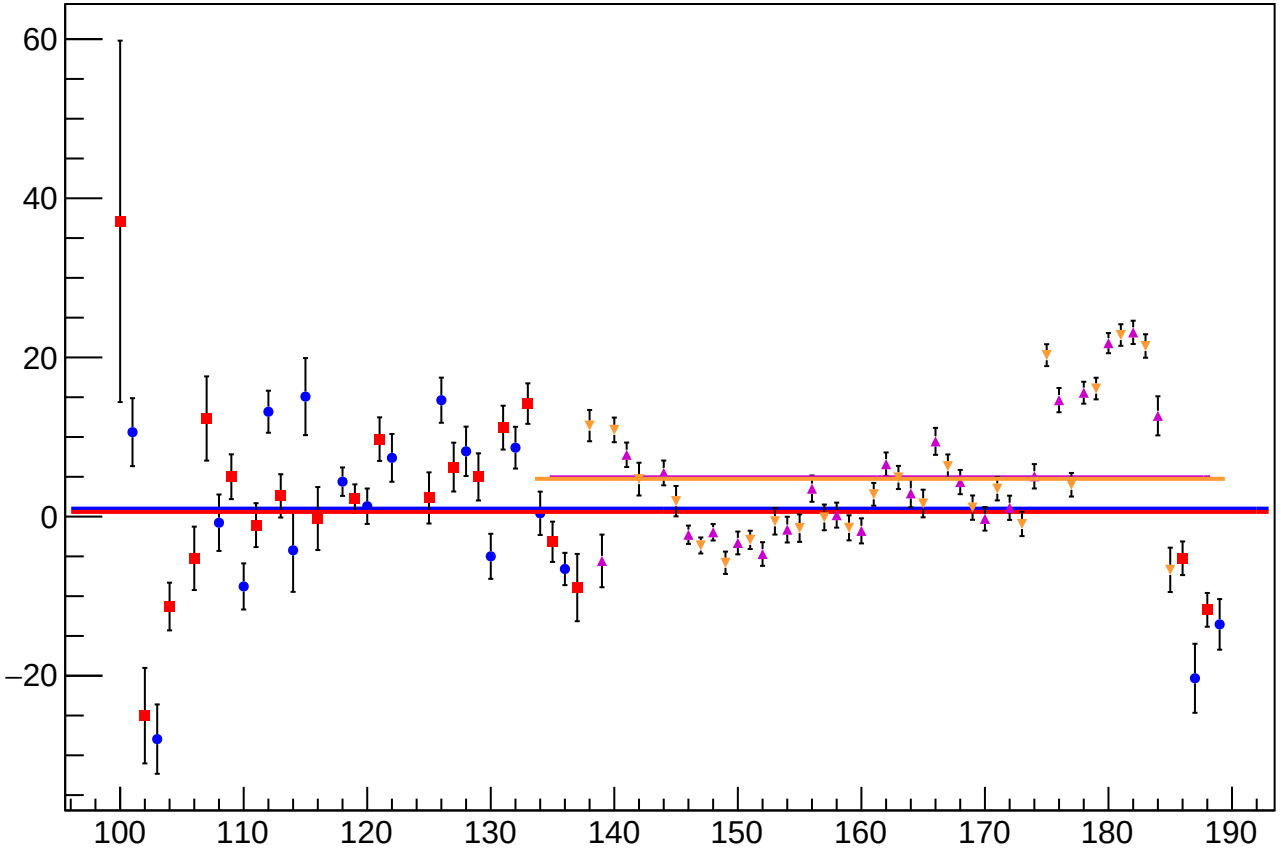
Left In: -15.295+/-0.403 χ^2/NDF:760.9/22

\+ sign 0.736+/-0.335 χ^2/NDF: 9037.2/41

All: 3.633+/-0.233 χ^2/NDF: 21913.4/84

\- sign 6.364+/-0.325 χ^2/NDF: 12731.1/42

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 1.000+/-0.677 χ^2/NDF: 200.4/17

Left Out: 4.745+/-0.307 χ^2/NDF:793.8/23

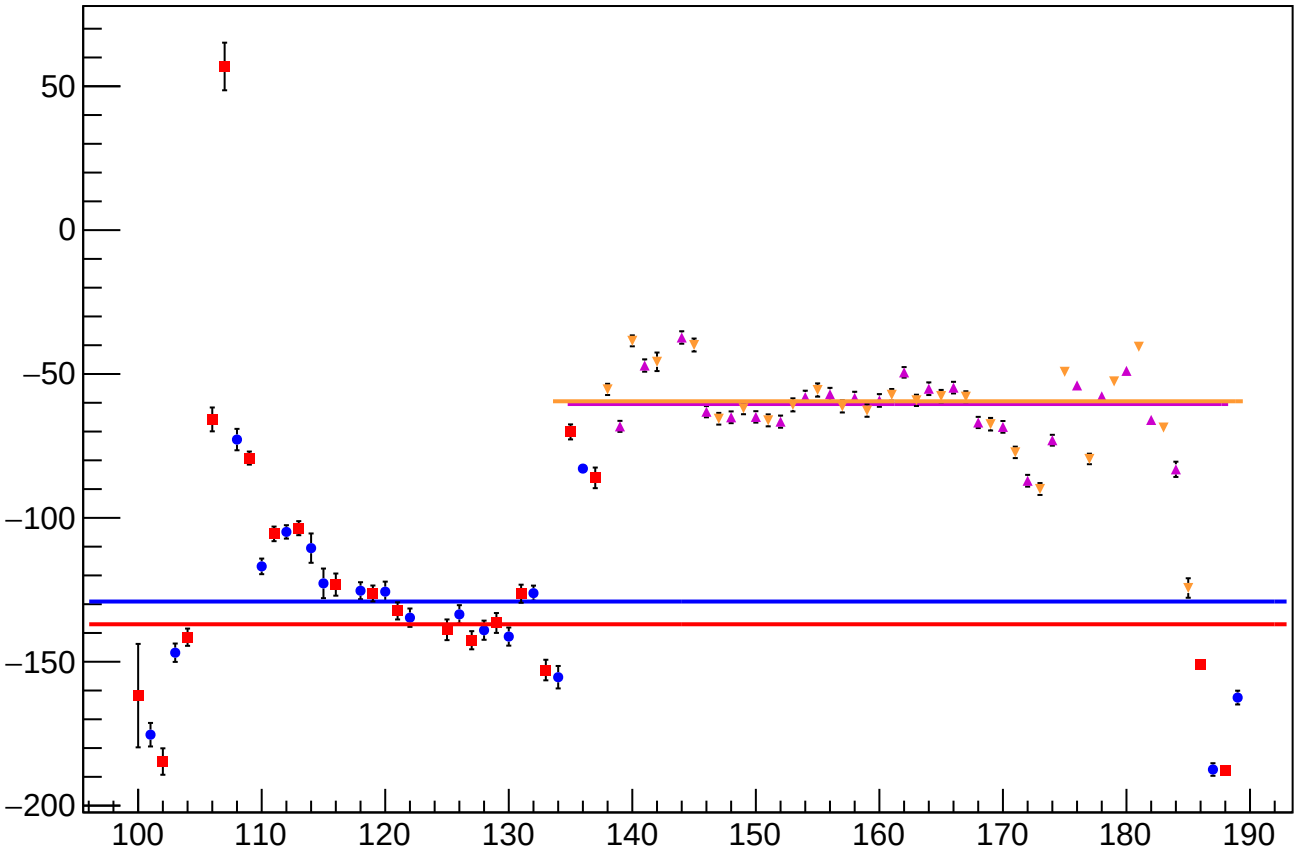
Right Out: 0.586+/-0.645 χ^2/NDF: 156.8/19

Left In: 4.935+/-0.313 χ^2/NDF:688.4/22

+ sign 4.107+/-0.279 χ^2/NDF: 1019.5/41

All: 4.107+/-0.198 χ^2/NDF: 1901.4/84

- sign 4.107+/-0.282 χ^2/NDF: 881.9/42



Right In: -129.074+/-0.685 χ^2/NDF: 2208.9/17

Left Out: -59.480+/-0.395 χ^2/NDF:1372.3/23

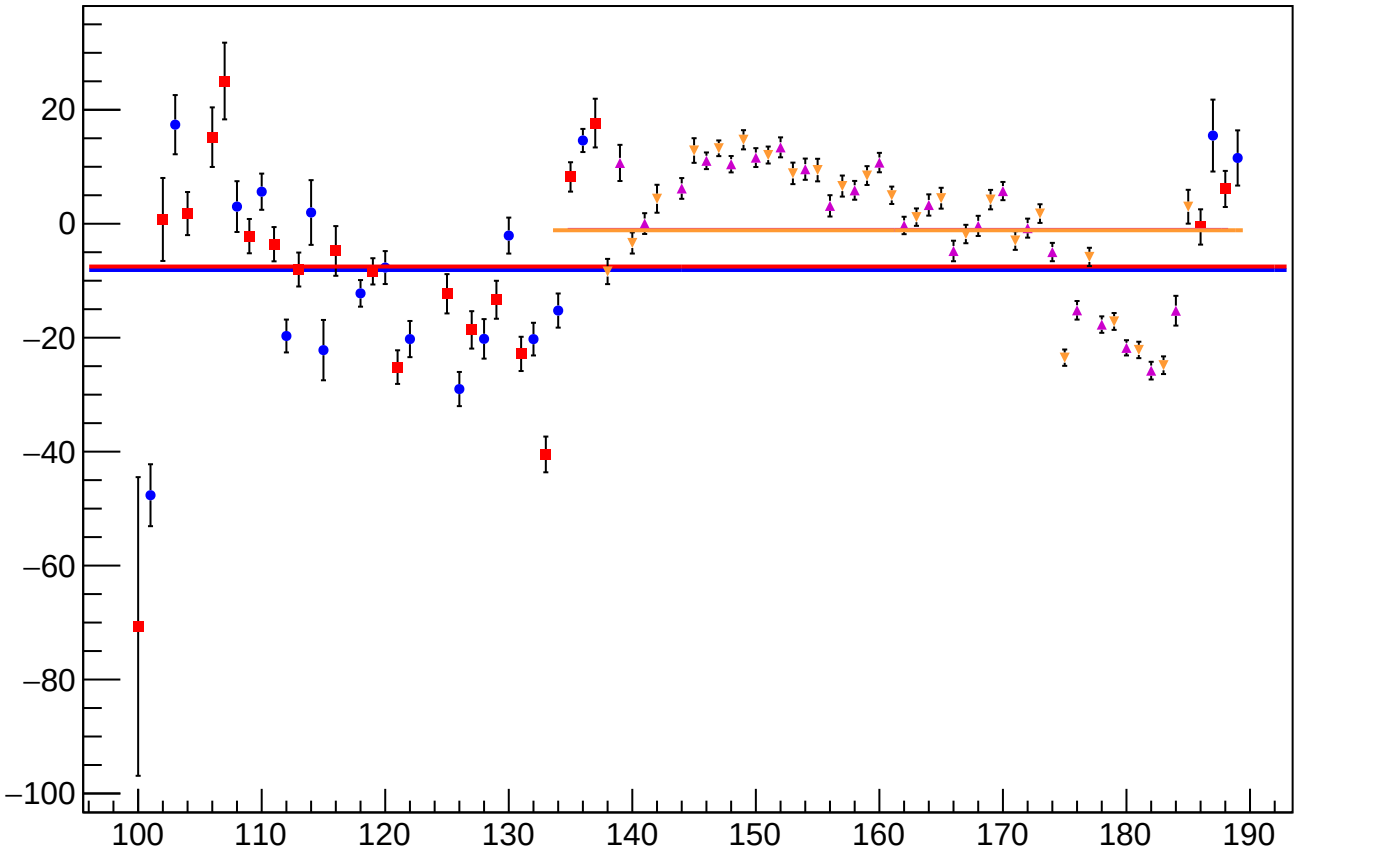
Right Out: -136.975+/-0.584 χ^2/NDF: 4701.1/19

Left In: -60.435+/-0.400 χ^2/NDF:668.3/22

\+ sign -76.823+/-0.342 χ^2/NDF: 11319.5/41

All: -80.976+/-0.237 χ^2/NDF: 28673.2/84

\- sign -84.833+/-0.330 χ^2/NDF: 17069.5/42



Right In: -8.117+/-0.779 χ^2/NDF: 389.7/17

Left Out: -1.144+/-0.346 χ^2/NDF:1303.0/23

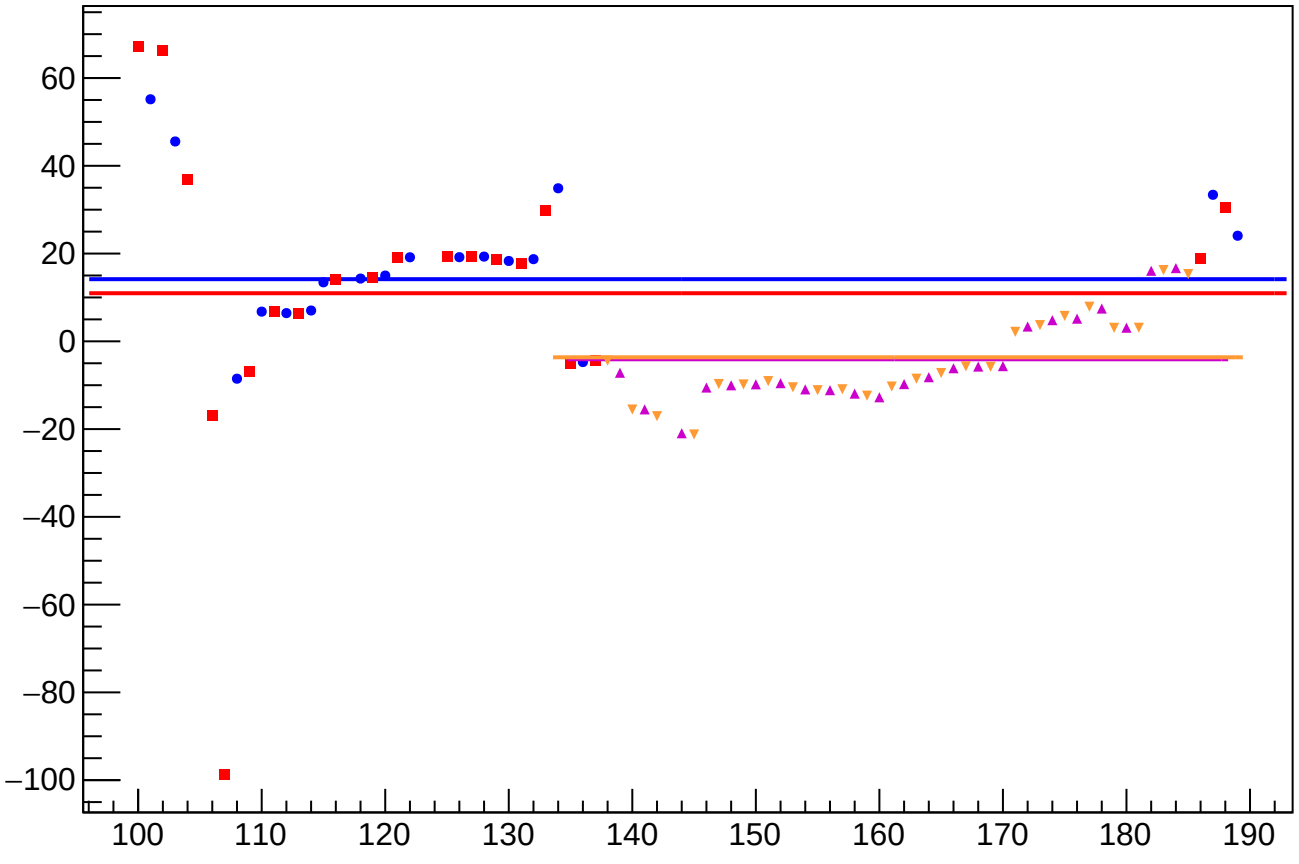
Right Out: -7.512+/-0.761 χ^2/NDF: 345.1/19

Left In: -1.082+/-0.352 χ^2/NDF:1157.4/22

+ sign -2.290+/-0.316 χ^2/NDF: 1759.6/41

All: -2.253+/-0.225 χ^2/NDF: 3320.9/84

- sign -2.214+/-0.319 χ^2/NDF: 1561.3/42



Right In: 14.163+/-0.044 χ^2/NDF: 189065.6/17

Left Out: -3.639+/-0.015 χ^2/NDF:345861.2/23

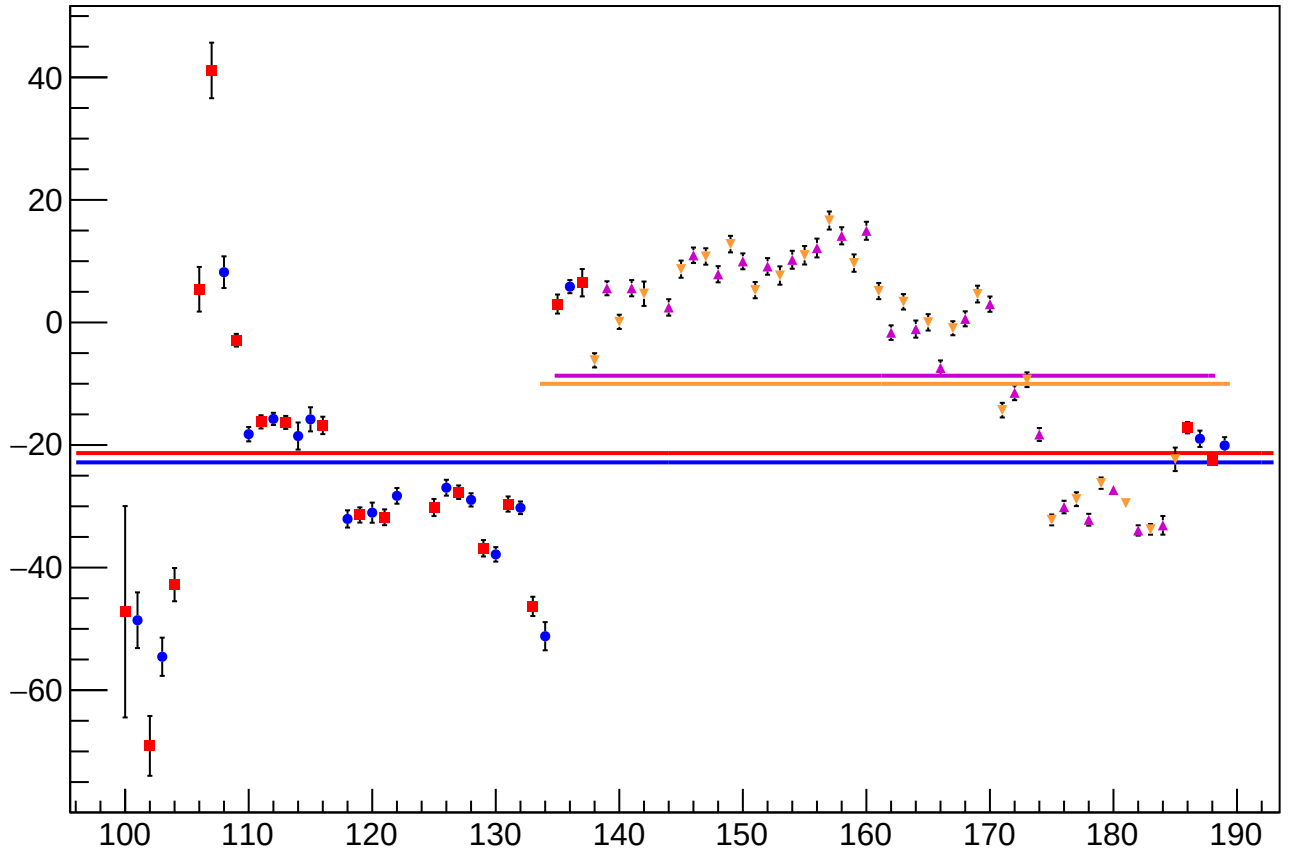
Right Out: 10.962+/-0.045 χ^2/NDF: 308544.4/19

Left In: -4.091+/-0.016 χ^2/NDF:333287.4/22

+ sign -1.683+/-0.015 χ^2/NDF: 680765.6/41

All: -2.069+/-0.010 χ^2/NDF: 1425761.0/84

- sign -2.461+/-0.015 χ^2/NDF: 743581.5/42



Right In: -22.831+/-0.329 χ^2/NDF: 1582.0/17

Left Out: -10.013+/-0.244 χ^2/NDF:4977.5/23

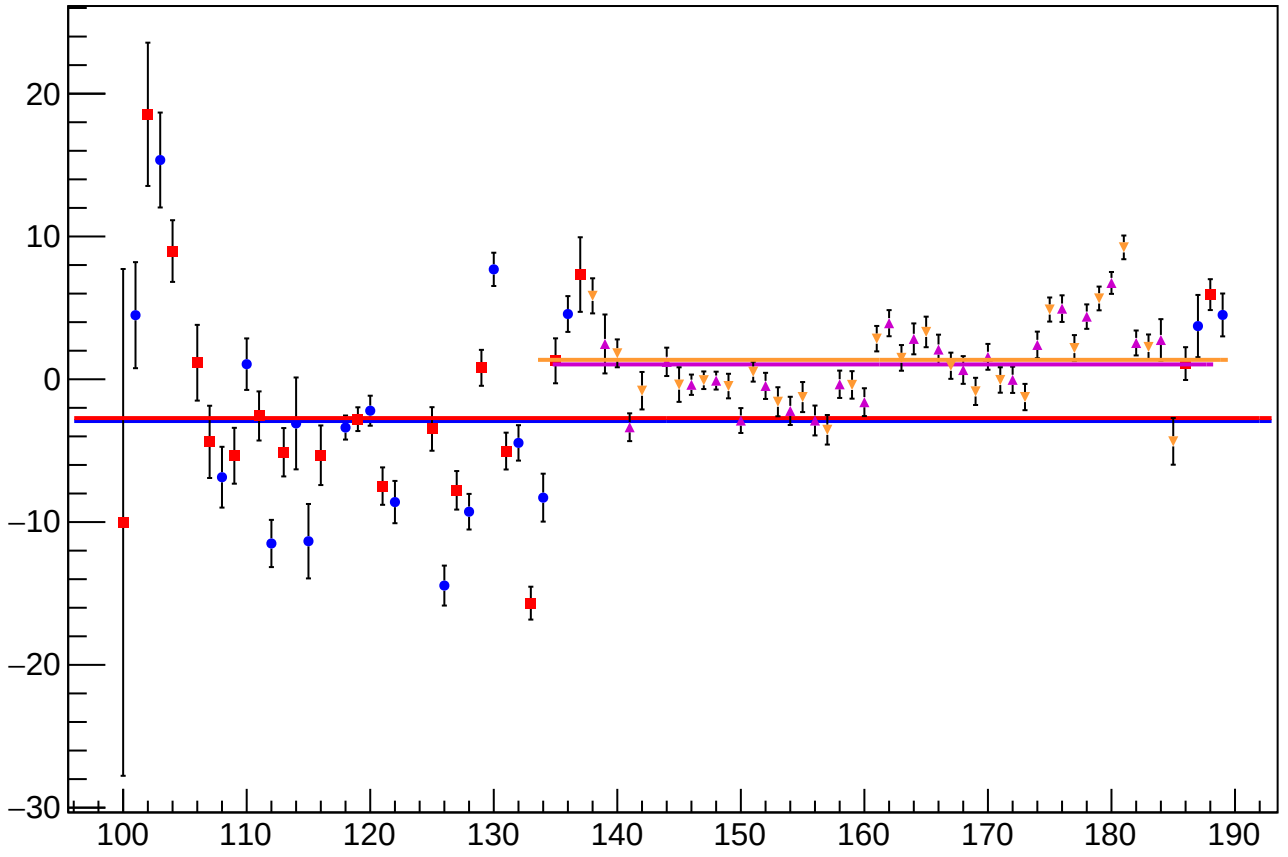
Right Out: -21.314+/-0.299 χ^2/NDF: 1837.2/19

Left In: -8.689+/-0.248 χ^2/NDF:5021.6/22

+ sign -14.573+/-0.196 χ^2/NDF: 7538.7/41

All: -14.185+/-0.137 χ^2/NDF: 15460.6/84

- sign -13.817+/-0.191 χ^2/NDF: 7914.3/42



Right In: -2.924+/-0.348 χ^2/NDF: 353.4/17

Left Out: 1.361+/-0.188 χ^2/NDF:240.3/23

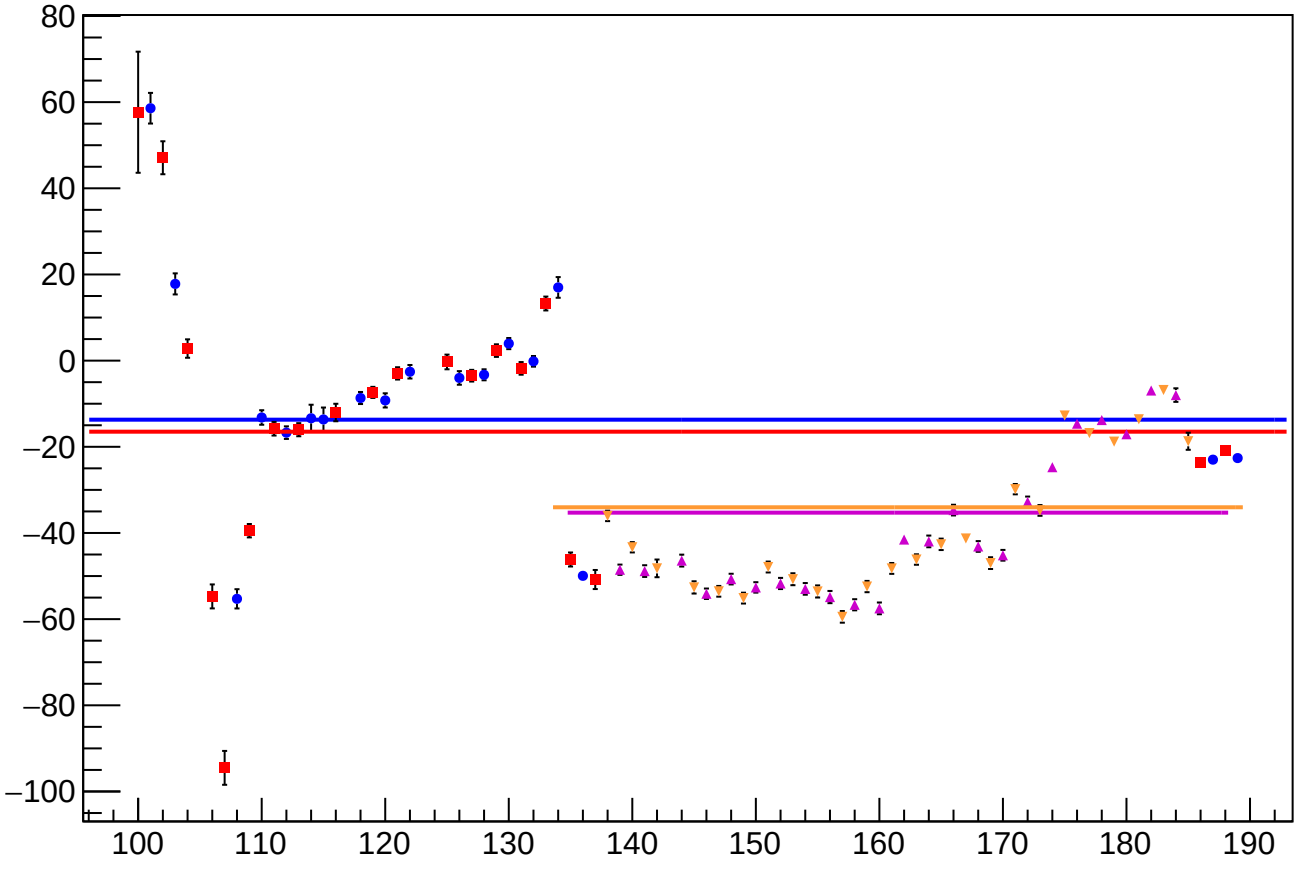
Right Out: -2.718+/-0.335 χ^2/NDF: 317.0/19

Left In: 1.041+/-0.192 χ^2/NDF:196.1/22

\+ sign 0.390+/-0.166 χ^2/NDF: 711.1/41

All: 0.251+/-0.118 χ^2/NDF: 1320.1/84

\- sign 0.110+/-0.167 χ^2/NDF: 607.6/42



Right In: -13.705+/-0.362 χ^2/NDF: 2825.3/17

Left Out: -34.036+/-0.243 χ^2/NDF:4965.7/23

Right Out: -16.491+/-0.312 χ^2/NDF: 2840.8/19

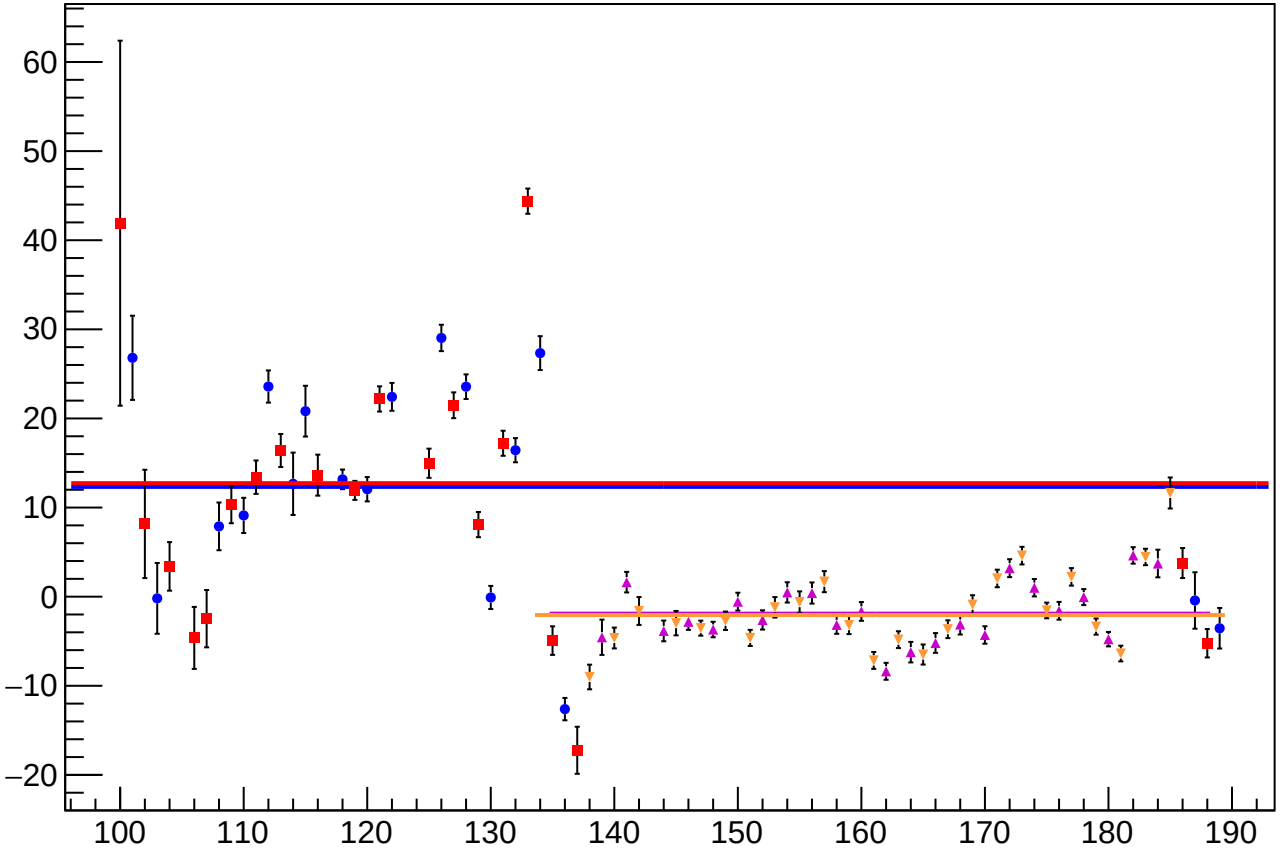
Left In: -35.285+/-0.245 χ^2/NDF:4998.0/22

+ sign -27.729+/-0.201 χ^2/NDF: 9970.7/41

All: -27.922+/-0.139 χ^2/NDF: 20053.5/84

- sign -28.099+/-0.193 χ^2/NDF: 10081.0/42

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 12.321+/-0.405 χ^2/NDF: 931.4/17

Left Out: -2.062+/-0.212 χ^2/NDF:332.4/23

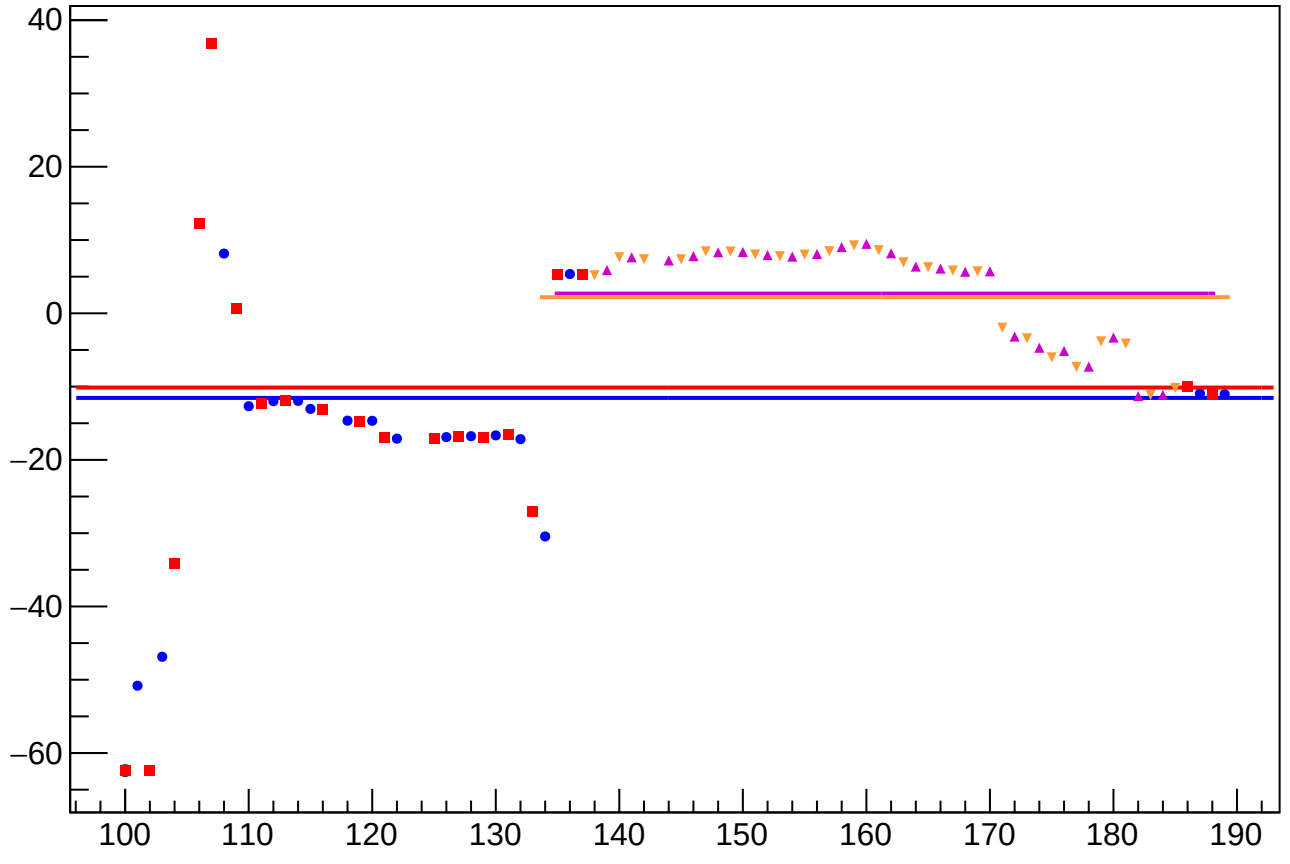
Right Out: 12.738+/-0.397 χ^2/NDF: 1077.0/19

Left In: -1.905+/-0.216 χ^2/NDF:222.1/22

+ sign 1.041+/-0.188 χ^2/NDF: 2254.5/41

All: 1.241+/-0.134 χ^2/NDF: 4605.6/84

- sign 1.445+/-0.190 χ^2/NDF: 2348.8/42



Right In: -11.542+/-0.025 χ^2/NDF: 360568.6/17

Left Out: 2.198+/-0.009 χ^2/NDF:508502.1/23

Right Out: -10.129+/-0.025 χ^2/NDF: 396463.4/19

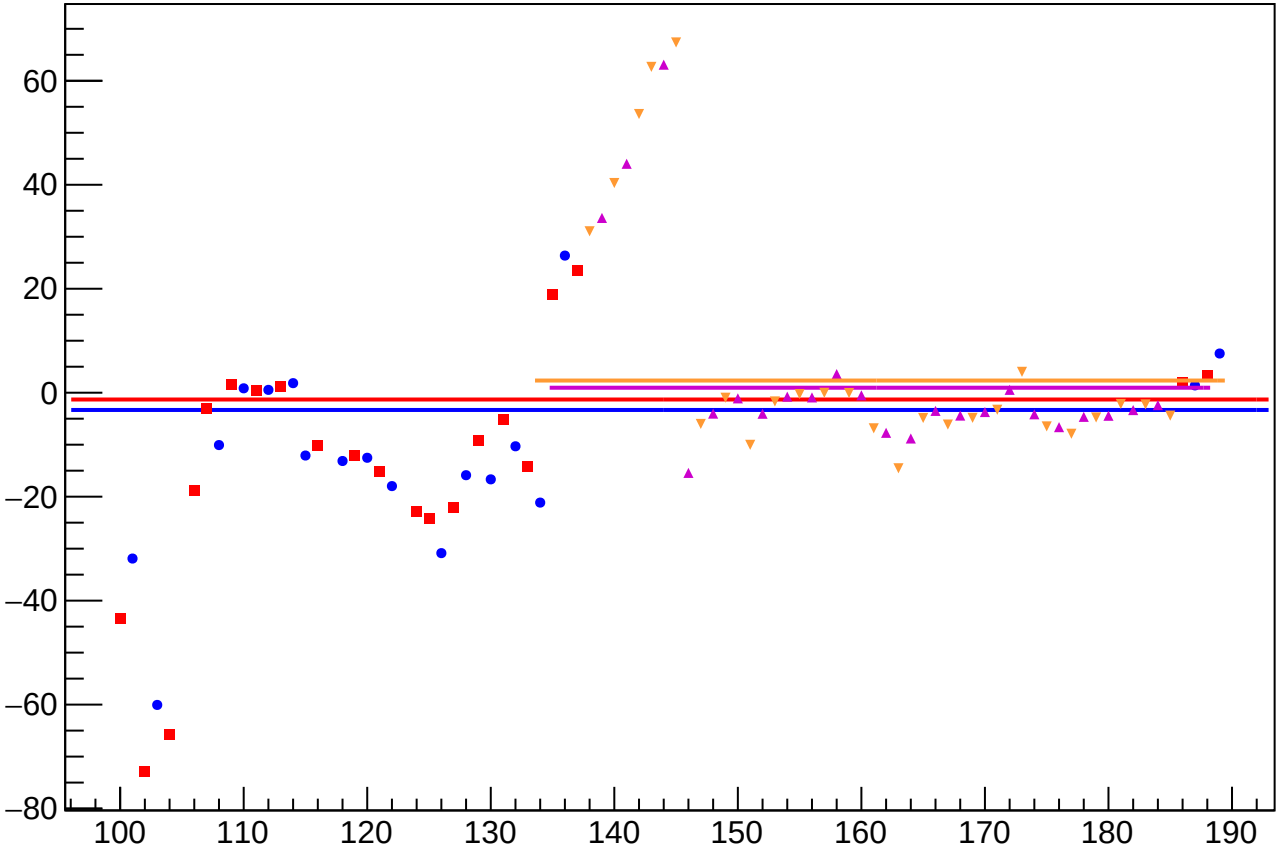
Left In: 2.694+/-0.010 χ^2/NDF:498824.3/22

+ sign 0.475+/-0.009 χ^2/NDF: 1131672.3/41

All: 0.779+/-0.006 χ^2/NDF: 2255151.6/84

- sign 1.087+/-0.009 χ^2/NDF: 1121118.5/42

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: -3.321+/-0.052 χ^2/NDF: 78022.2/17

Left Out: 2.341+/-0.040 χ^2/NDF:176986.1/24

Right Out: -1.308+/-0.041 χ^2/NDF: 83506.1/20

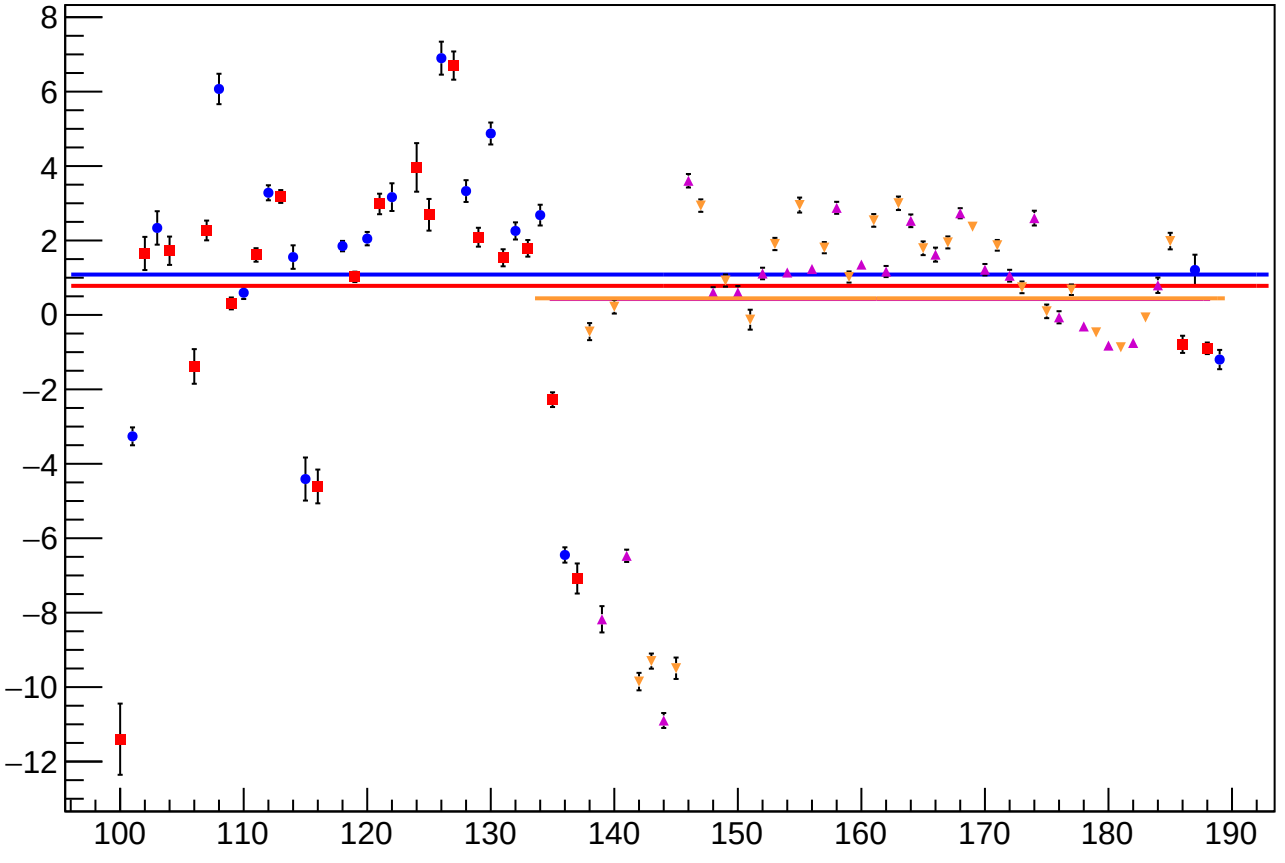
Left In: 0.957+/-0.040 χ^2/NDF:132519.8/22

+ sign 0.222+/-0.032 χ^2/NDF: 262408.6/42

All: 0.024+/-0.021 χ^2/NDF: 480060.8/86

- sign -0.138+/-0.029 χ^2/NDF: 217581.5/43

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 1.085+/-0.058 χ^2/NDF: 2666.2/17

Left Out: 0.446+/-0.033 χ^2/NDF:7044.3/24

Right Out: 0.781+/-0.052 χ^2/NDF: 1782.7/20

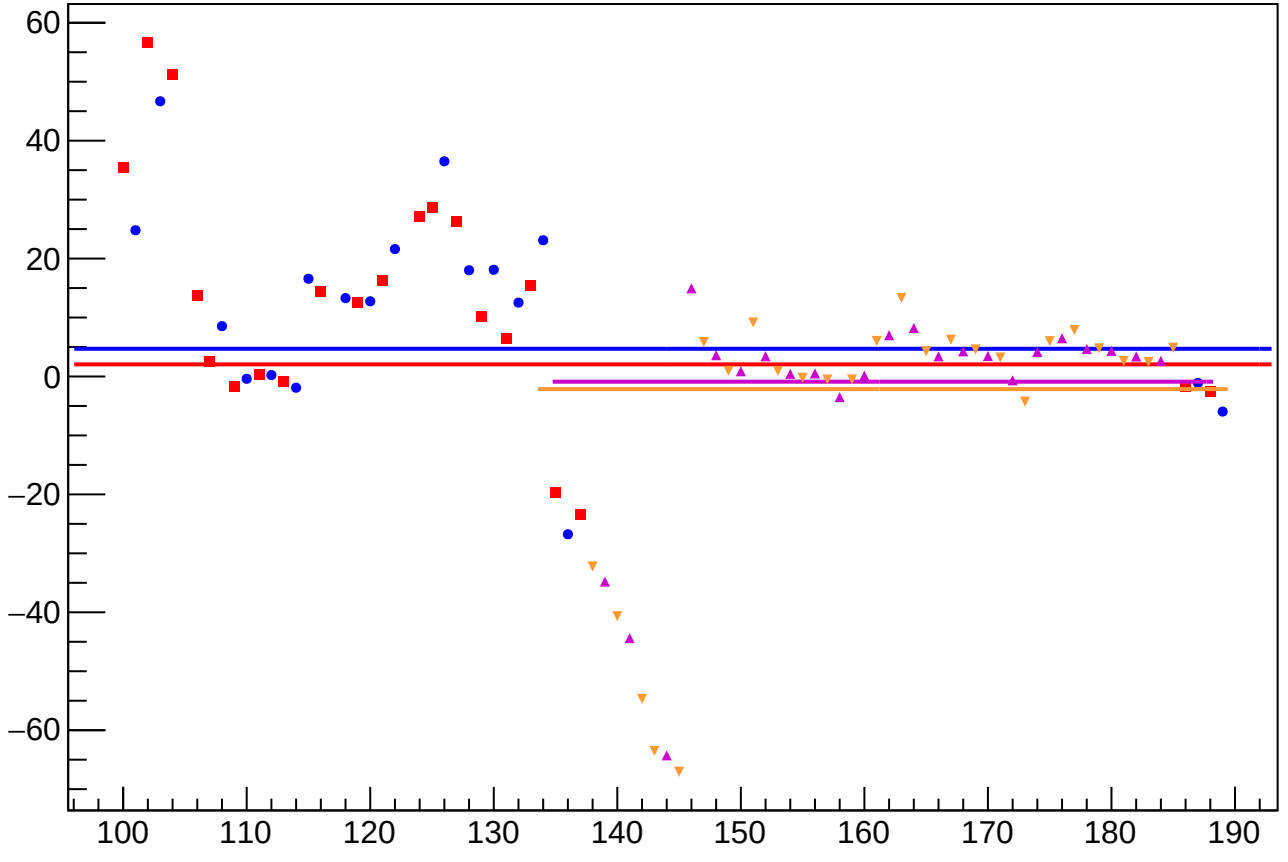
Left In: 0.427+/-0.031 χ^2/NDF:7102.3/22

+ sign 0.600+/-0.029 χ^2/NDF: 9801.7/42

All: 0.558+/-0.020 χ^2/NDF: 18724.3/86

- sign 0.521+/-0.027 χ^2/NDF: 8918.6/43

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: 4.700+/-0.059 χ^2/NDF: 75123.3/17

Left Out: -2.143+/-0.040 χ^2/NDF:171271.2/24

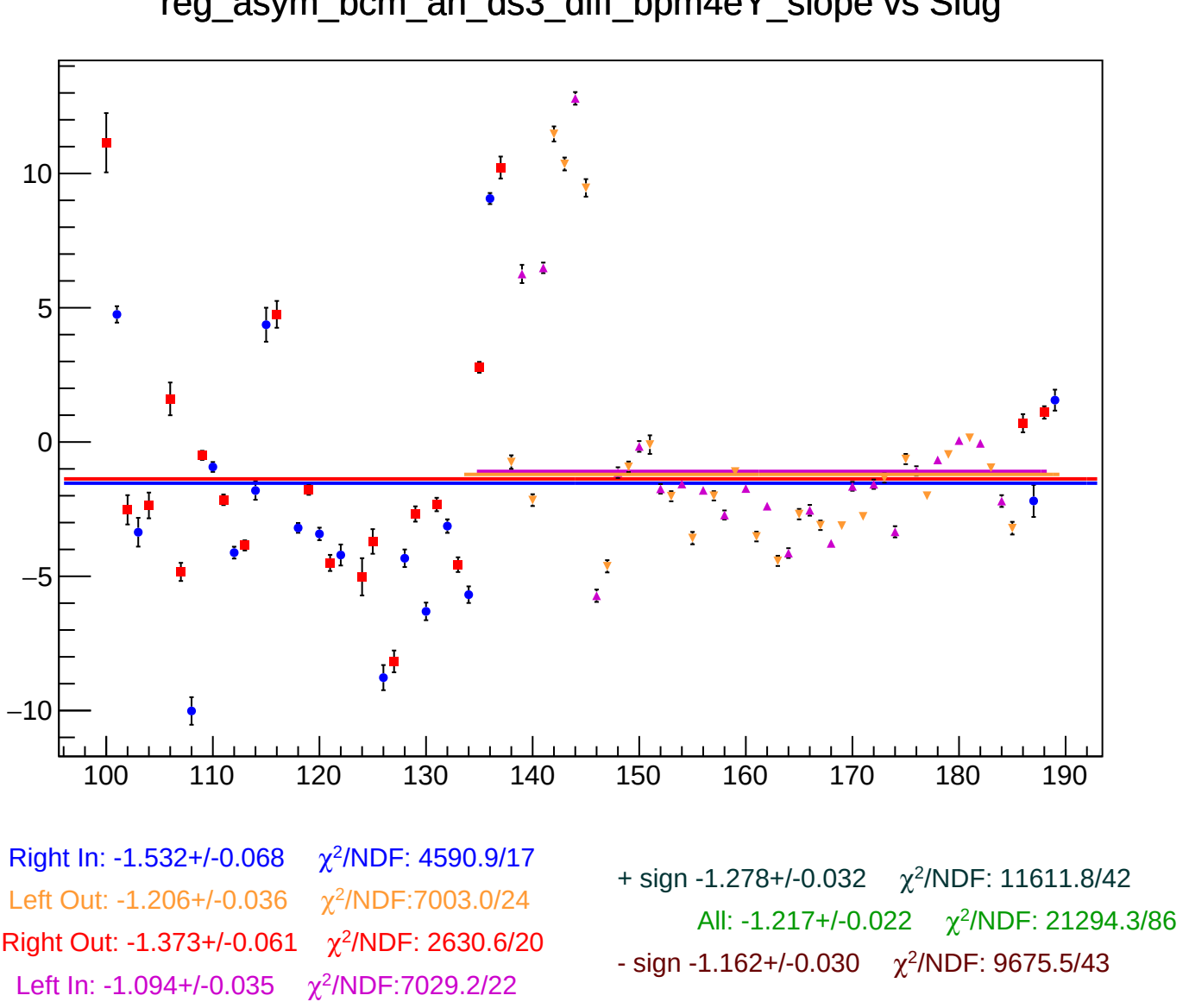
Right Out: 2.054+/-0.046 χ^2/NDF: 81073.5/20

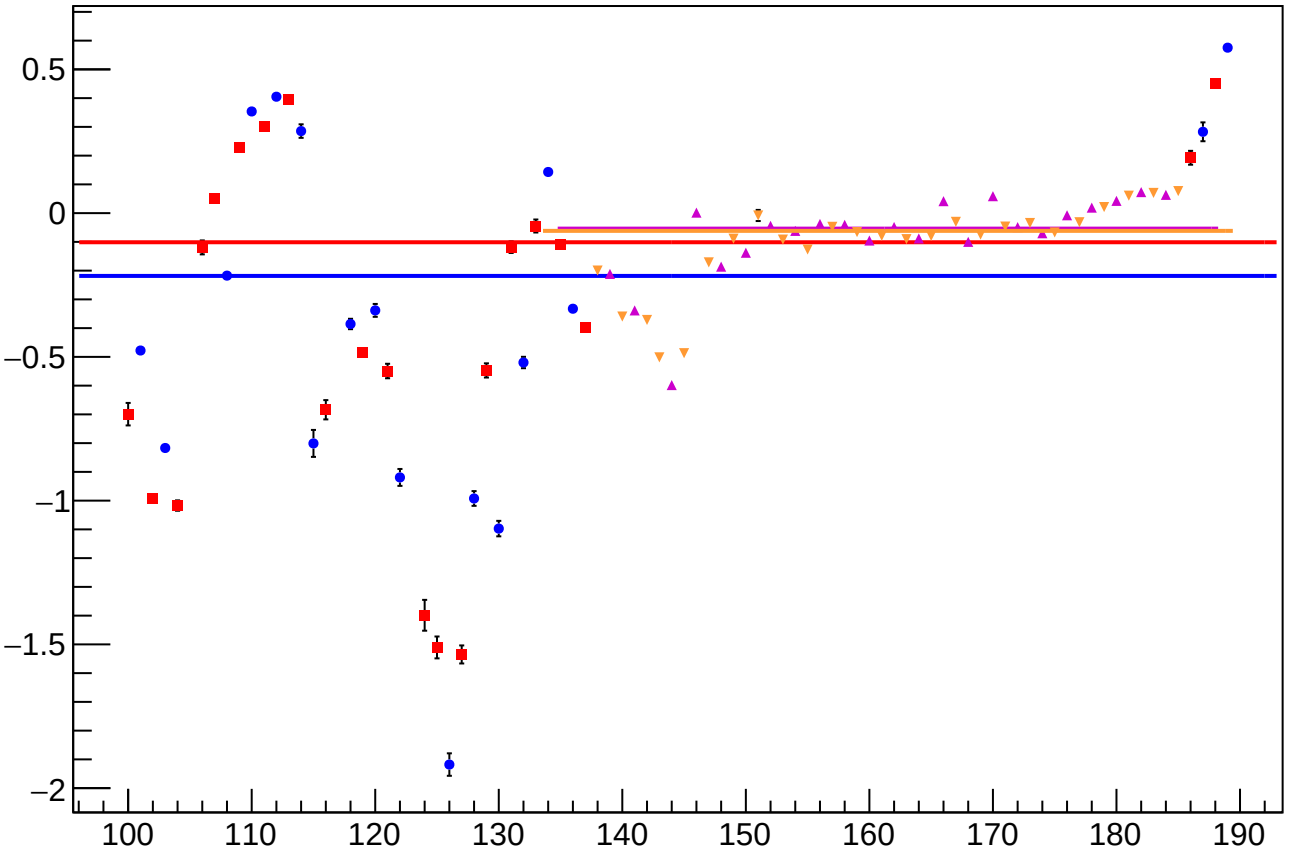
Left In: -0.881+/-0.039 χ^2/NDF:129197.8/22

+ sign 0.017+/-0.033 χ^2/NDF: 255514.2/42

All: 0.201+/-0.022 χ^2/NDF: 468175.7/86

- sign 0.350+/-0.030 χ^2/NDF: 212606.0/43


reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug
10
5
0
−5
−10
100
110
120
130
140
150
160
170
180
190
Right In: -1.532+/-0.068 χ²/NDF: 4590.9/17
Left Out: -1.206+/-0.036 χ²/NDF:7003.0/24
Right Out: -1.373+/-0.061 χ²/NDF: 2630.6/20
Left In: -1.094+/-0.035 χ²/NDF:7029.2/22
+ sign -1.278+/-0.032 χ²/NDF: 11611.8/42
All: -1.217+/-0.022 χ²/NDF: 21294.3/86
- sign -1.162+/-0.030 χ²/NDF: 9675.5/43



Right In: -0.218+/-0.004 χ^2/NDF: 14531.0/17

Left Out: -0.062+/-0.002 χ^2/NDF:5711.9/24

Right Out: -0.101+/-0.004 χ^2/NDF: 18054.7/20

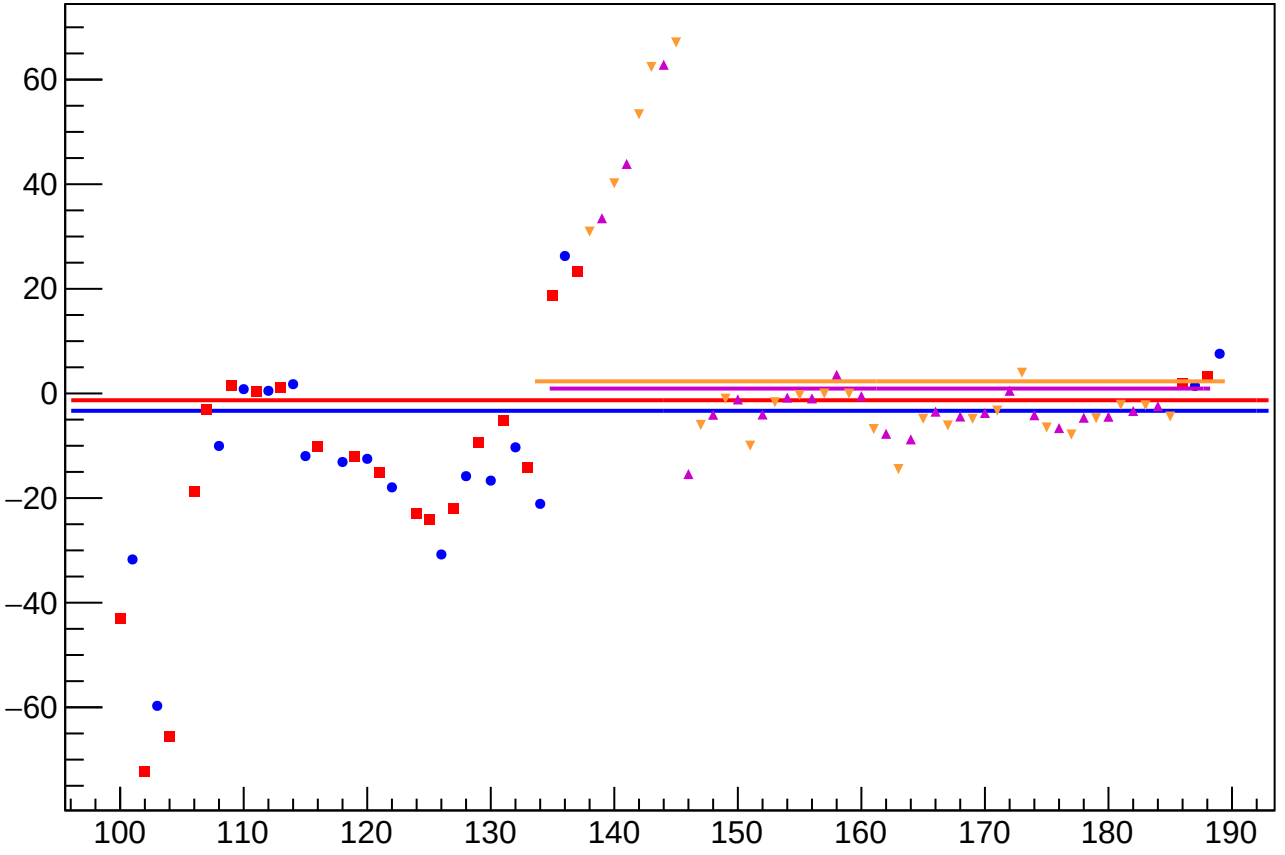
Left In: -0.054+/-0.001 χ^2/NDF:5029.9/22

+ sign -0.083+/-0.001 χ^2/NDF: 21563.3/42

All: -0.071+/-0.001 χ^2/NDF: 44915.4/86

- sign -0.061+/-0.001 χ^2/NDF: 23234.0/43

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: -3.315+/-0.052 χ^2/NDF: 78044.8/17

Left Out: 2.318+/-0.040 χ^2/NDF:176746.3/24

Right Out: -1.301+/-0.041 χ^2/NDF: 83463.4/20

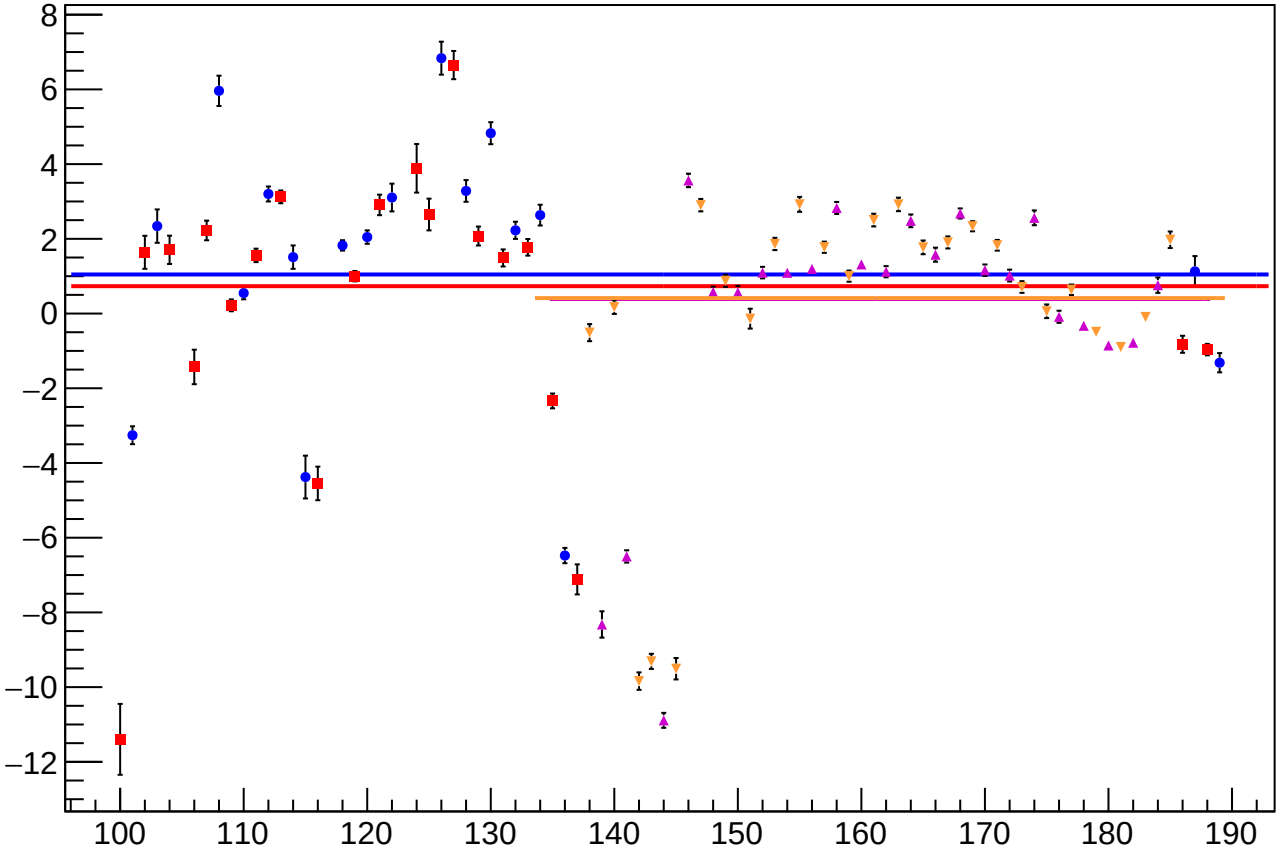
Left In: 0.935+/-0.040 χ^2/NDF:132405.3/22

+ sign 0.203+/-0.032 χ^2/NDF: 262187.2/42

All: 0.008+/-0.021 χ^2/NDF: 479656.7/86

- sign -0.151+/-0.029 χ^2/NDF: 217400.5/43

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 1.046+/-0.058 χ^2/NDF: 2672.7/17

Left Out: 0.414+/-0.033 χ^2/NDF:7047.2/24

Right Out: 0.733+/-0.052 χ^2/NDF: 1798.9/20

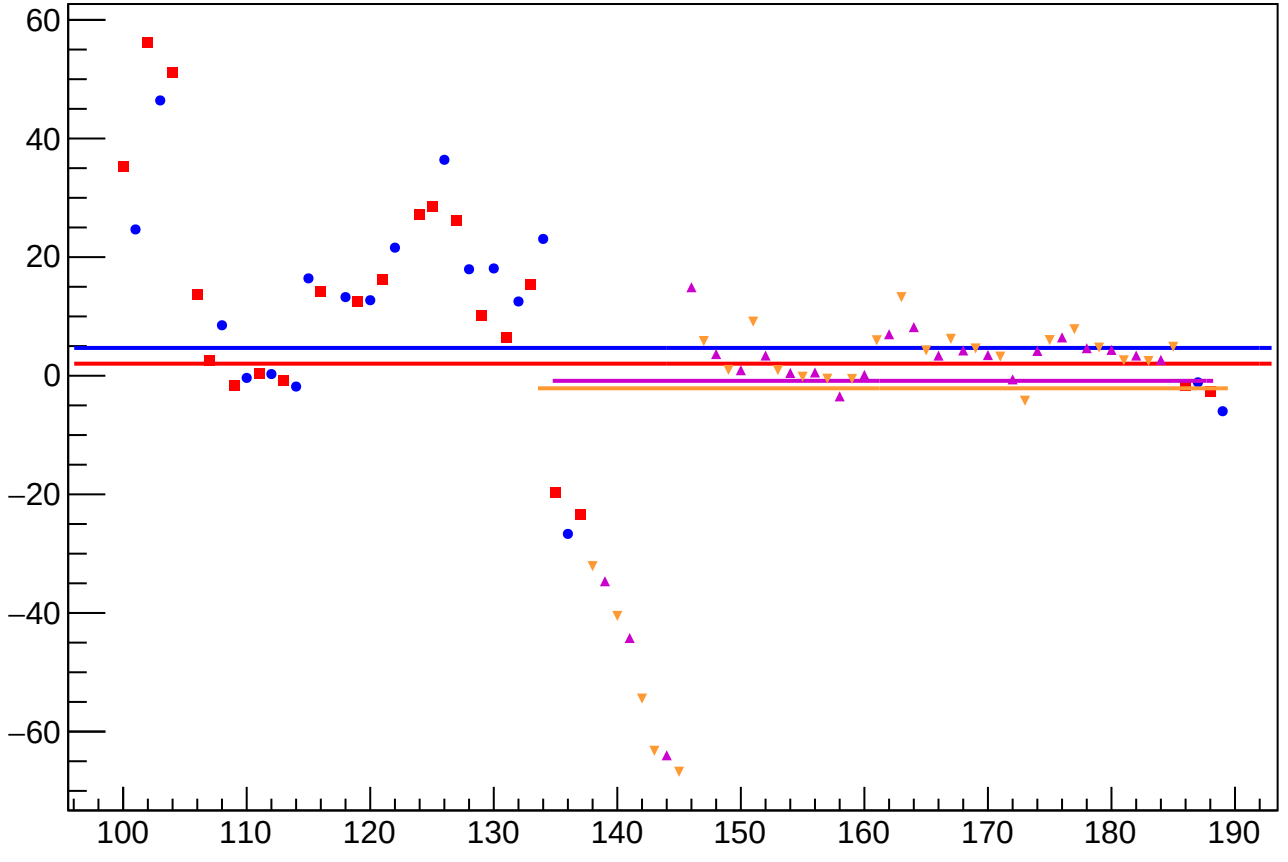
Left In: 0.389+/-0.031 χ^2/NDF:7114.2/22

+ sign 0.567+/-0.029 χ^2/NDF: 9810.2/42

All: 0.521+/-0.020 χ^2/NDF: 18760.1/86

- sign 0.481+/-0.027 χ^2/NDF: 8945.1/43

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: 4.690+/-0.059 χ^2/NDF: 75137.4/17

Left Out: -2.119+/-0.040 χ^2/NDF:171039.7/24

Right Out: 2.035+/-0.046 χ^2/NDF: 81041.9/20

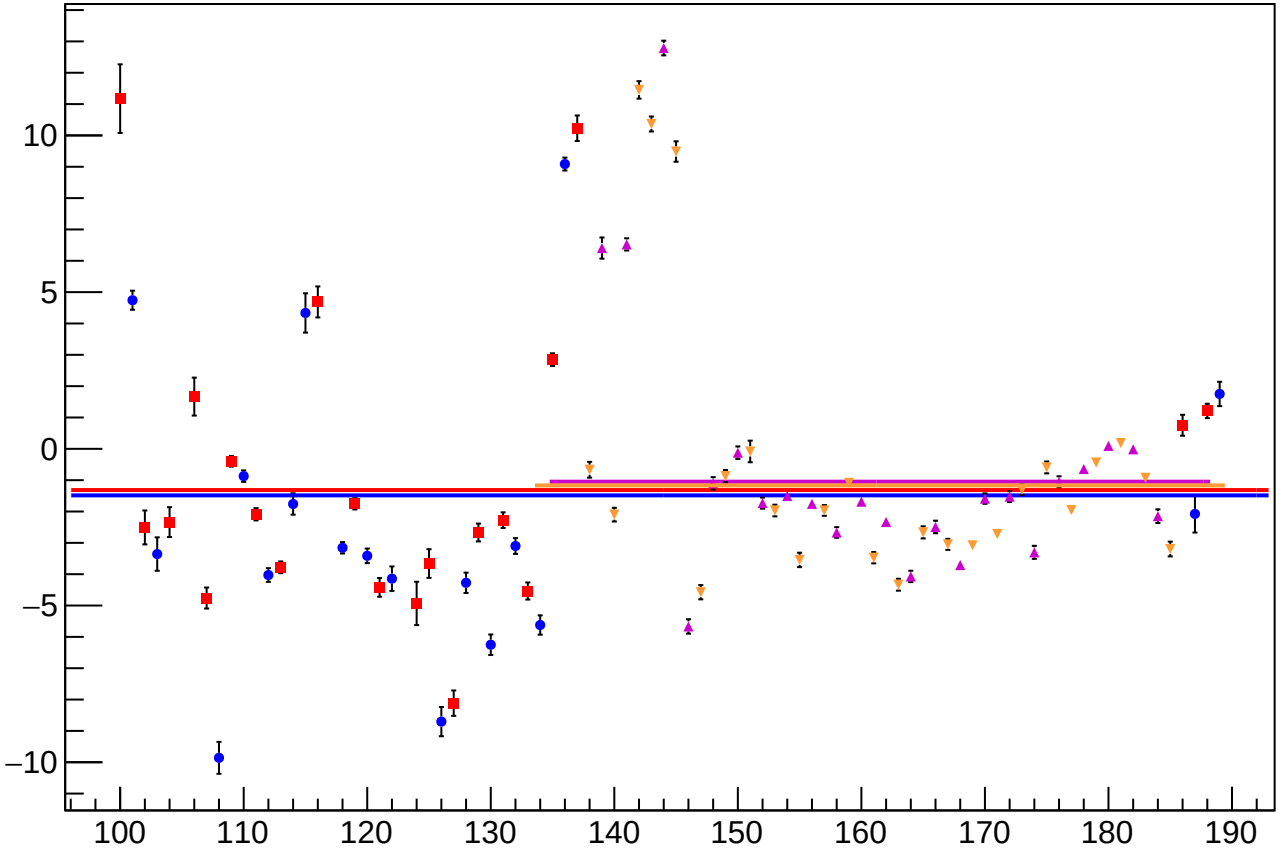
Left In: -0.859+/-0.039 χ^2/NDF:129084.9/22

+ sign 0.035+/-0.033 χ^2/NDF: 255292.1/42

All: 0.217+/-0.022 χ^2/NDF: 467768.9/86

- sign 0.363+/-0.030 χ^2/NDF: 212422.8/43

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.485+/-0.068 χ^2/NDF: 4596.5/17

Left Out: -1.167+/-0.036 χ^2/NDF:7001.4/24

Right Out: -1.315+/-0.061 χ^2/NDF: 2649.6/20

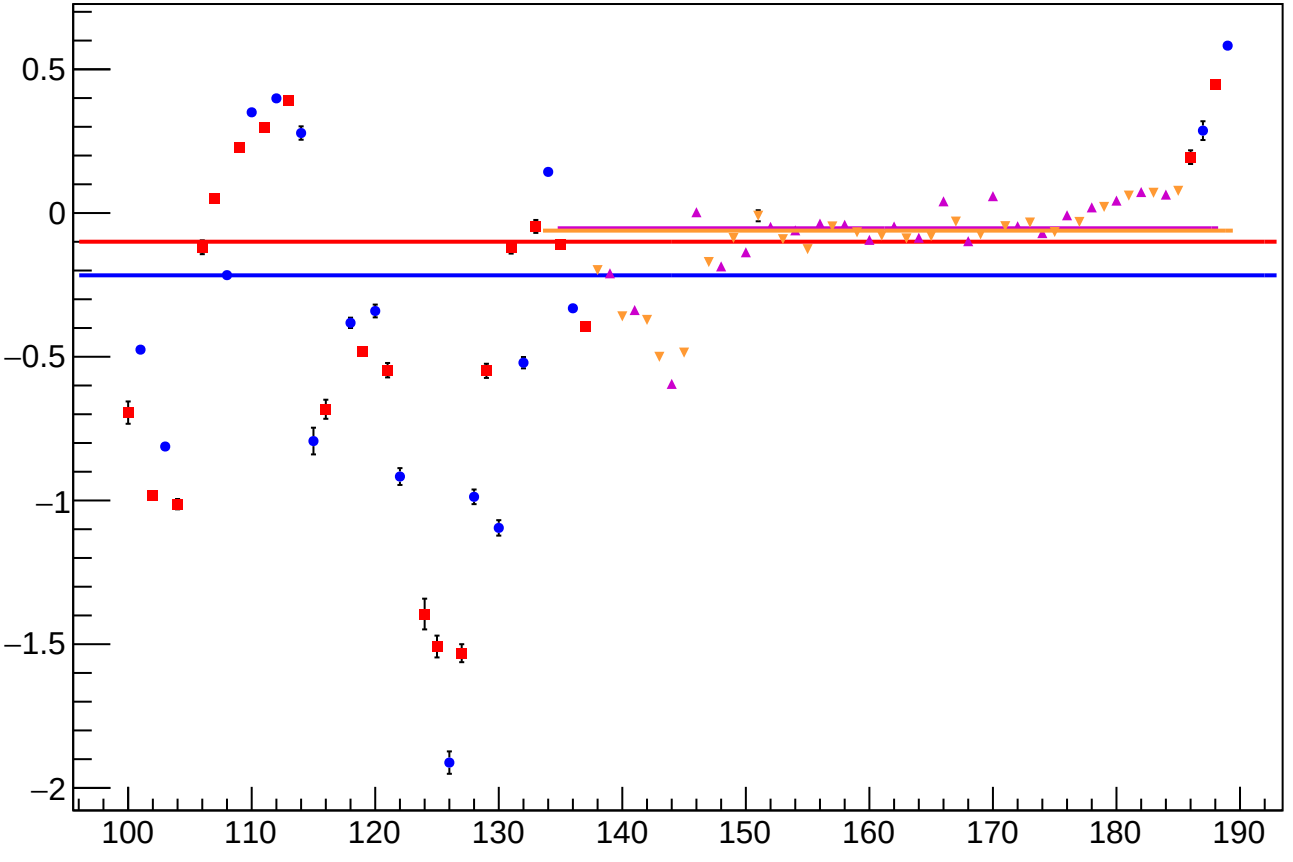
Left In: -1.048+/-0.035 χ^2/NDF:7040.7/22

+ sign -1.238+/-0.032 χ^2/NDF: 11615.0/42

All: -1.172+/-0.022 χ^2/NDF: 21327.8/86

- sign -1.114+/-0.030 χ^2/NDF: 9704.8/43

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: -0.217+/-0.004 χ^2/NDF: 14571.0/17

Left Out: -0.061+/-0.002 χ^2/NDF:5729.4/24

Right Out: -0.100+/-0.004 χ^2/NDF: 18093.5/20

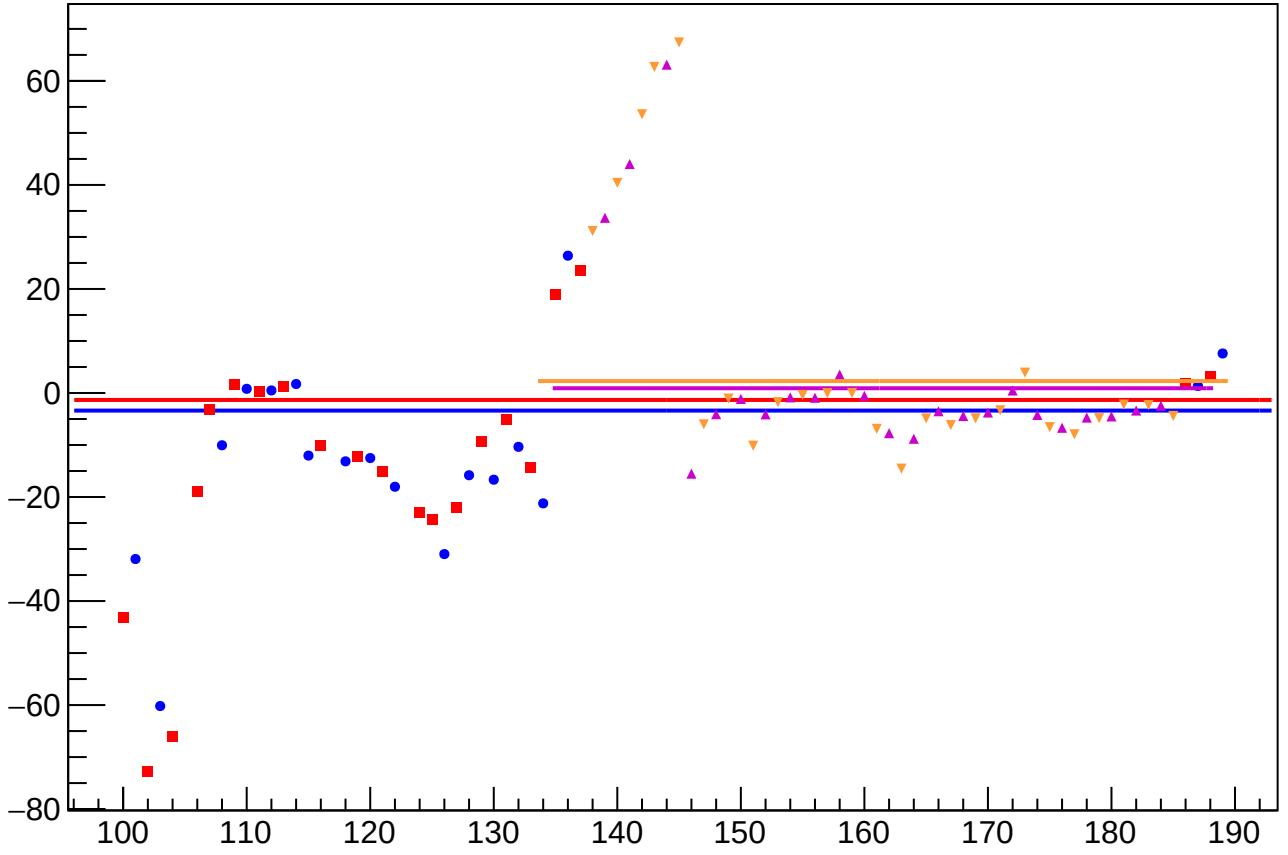
Left In: -0.053+/-0.001 χ^2/NDF:5006.2/22

+ sign -0.082+/-0.001 χ^2/NDF: 21613.4/42

All: -0.070+/-0.001 χ^2/NDF: 44981.7/86

- sign -0.060+/-0.001 χ^2/NDF: 23246.0/43

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: -3.383+/-0.052 χ^2/NDF: 78028.5/17

Left Out: 2.296+/-0.040 χ^2/NDF:177186.2/24

Right Out: -1.337+/-0.041 χ^2/NDF: 83494.8/20

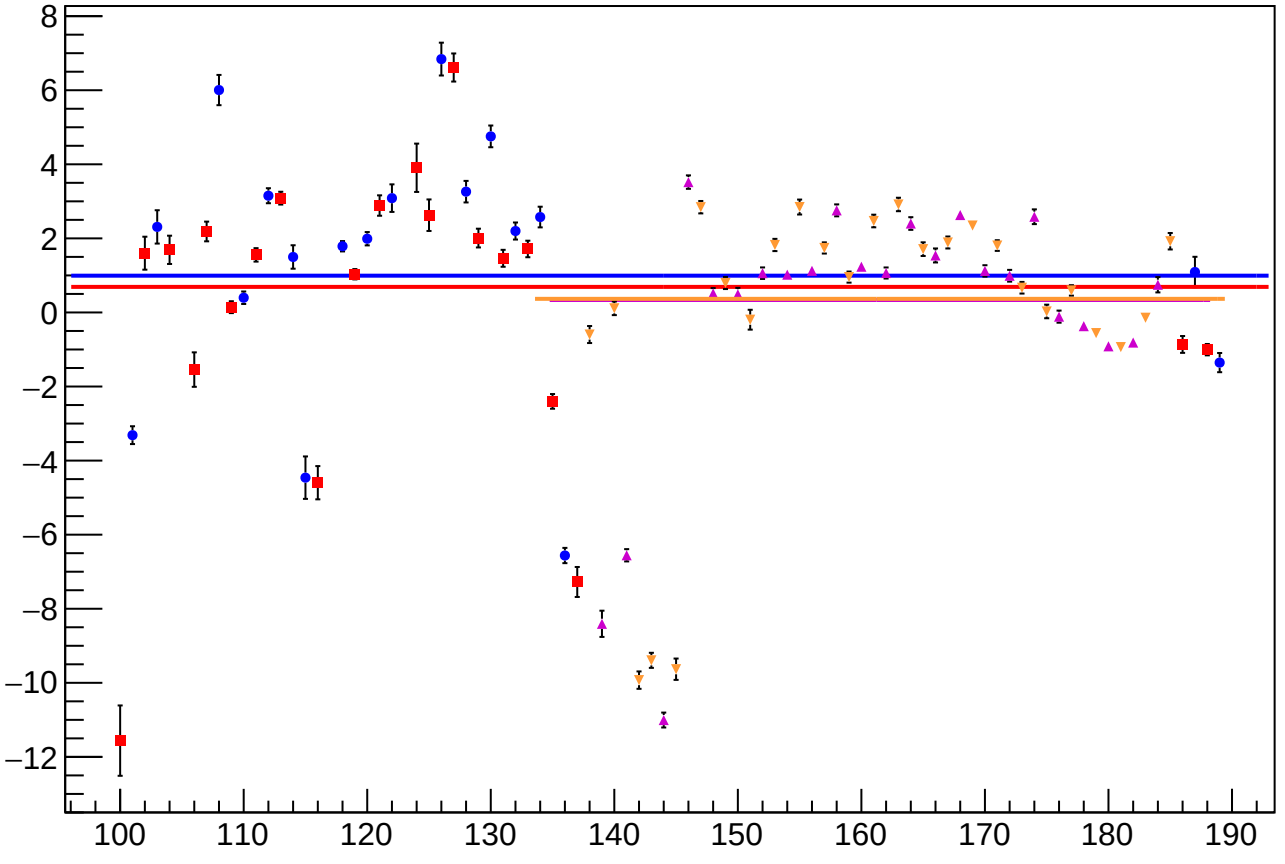
Left In: 0.912+/-0.040 χ^2/NDF:132573.8/22

+ sign 0.170+/-0.032 χ^2/NDF: 262647.7/42

All: -0.022+/-0.021 χ^2/NDF: 480318.0/86

- sign -0.178+/-0.029 χ^2/NDF: 217604.4/43

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 0.993+/-0.058 χ^2/NDF: 2677.9/17

Left Out: 0.368+/-0.033 χ^2/NDF:7068.0/24

Right Out: 0.690+/-0.052 χ^2/NDF: 1814.8/20

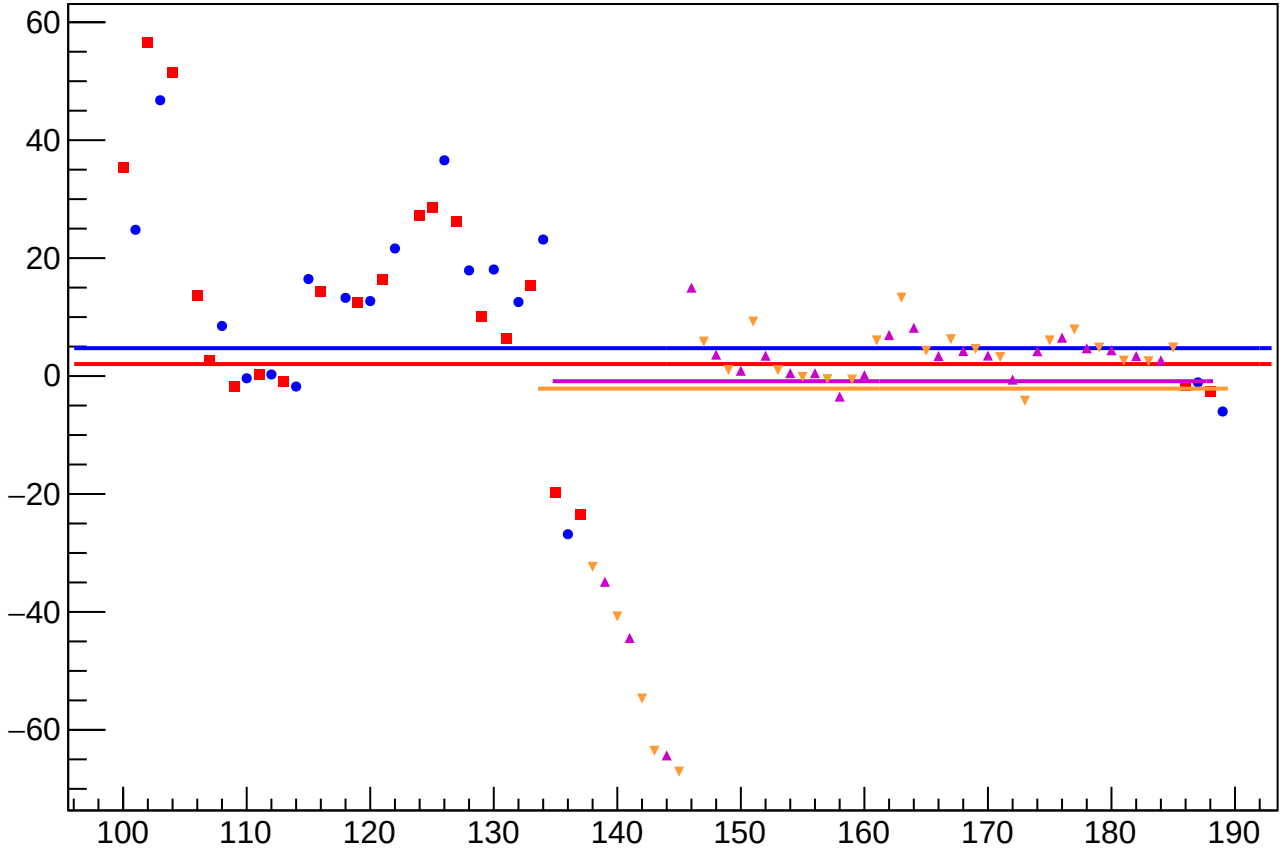
Left In: 0.337+/-0.031 χ^2/NDF:7094.3/22

+ sign 0.519+/-0.029 χ^2/NDF: 9833.3/42

All: 0.472+/-0.020 χ^2/NDF: 18781.1/86

- sign 0.431+/-0.027 χ^2/NDF: 8942.7/43

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: 4.728+/-0.059 χ^2/NDF: 75138.0/17

Left Out: -2.133+/-0.040 χ^2/NDF:171466.8/24

Right Out: 2.033+/-0.046 χ^2/NDF: 81108.9/20

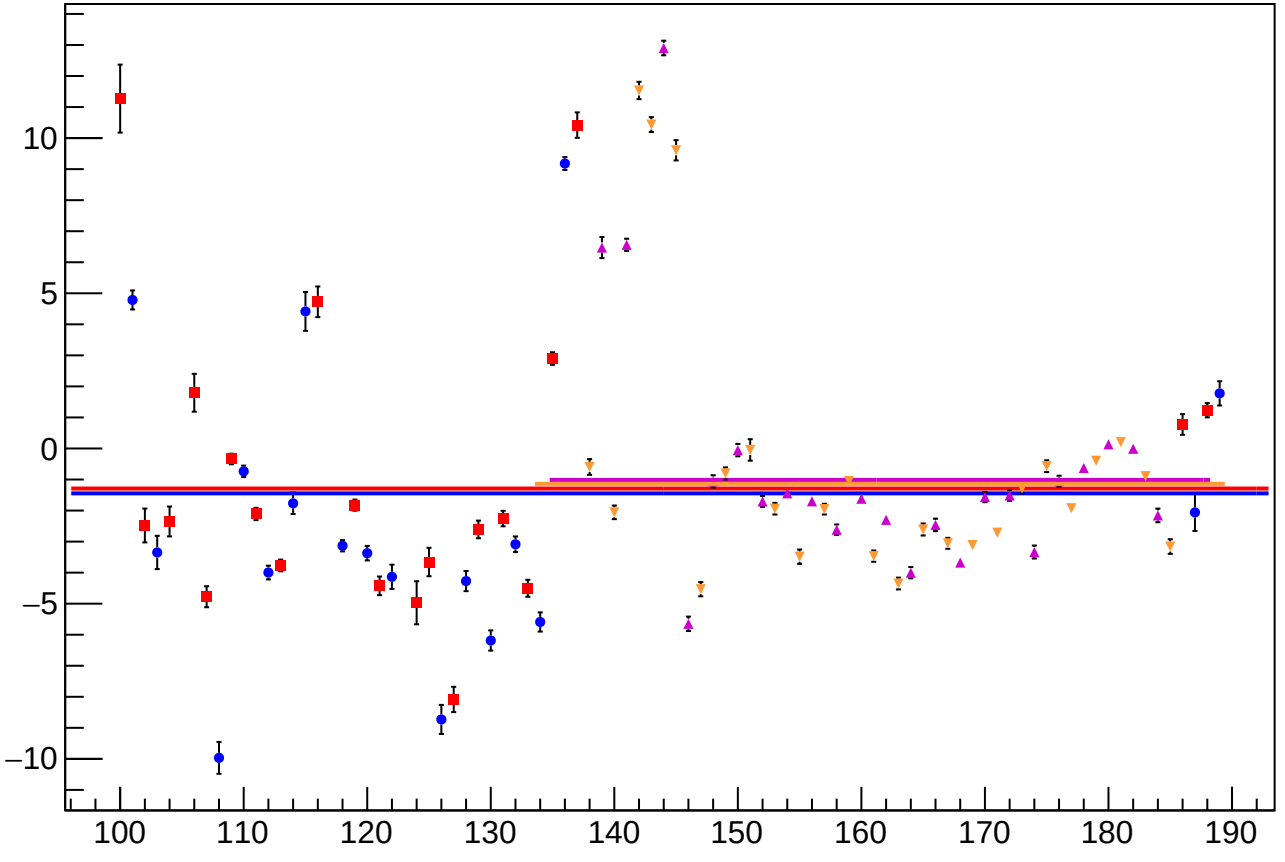
Left In: -0.871+/-0.039 χ^2/NDF:129263.4/22

\+ sign 0.034+/-0.033 χ^2/NDF: 255764.9/42

All: 0.212+/-0.022 χ^2/NDF: 468486.2/86

\- sign 0.355+/-0.030 χ^2/NDF: 212669.8/43

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.446+/-0.068 χ^2/NDF: 4606.8/17

Left Out: -1.140+/-0.036 χ^2/NDF:7022.9/24

Right Out: -1.290+/-0.061 χ^2/NDF: 2674.6/20

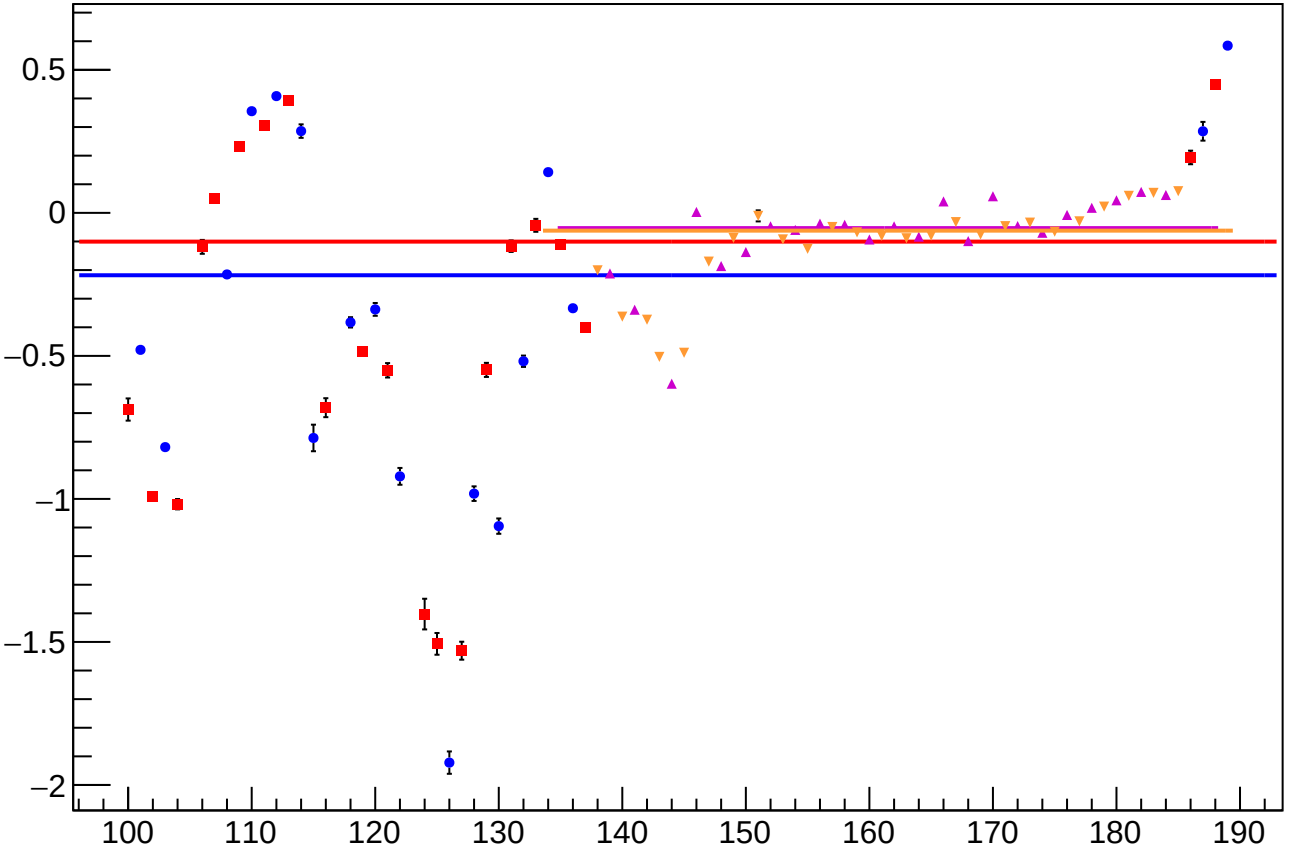
Left In: -1.013+/-0.035 χ^2/NDF:7027.2/22

+ sign -1.208+/-0.032 χ^2/NDF: 11645.5/42

All: -1.141+/-0.022 χ^2/NDF: 21371.0/86

- sign -1.081+/-0.030 χ^2/NDF: 9717.3/43

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: -0.218+/-0.004 χ^2/NDF: 14597.4/17

Left Out: -0.062+/-0.002 χ^2/NDF:5736.1/24

Right Out: -0.101+/-0.004 χ^2/NDF: 18076.1/20

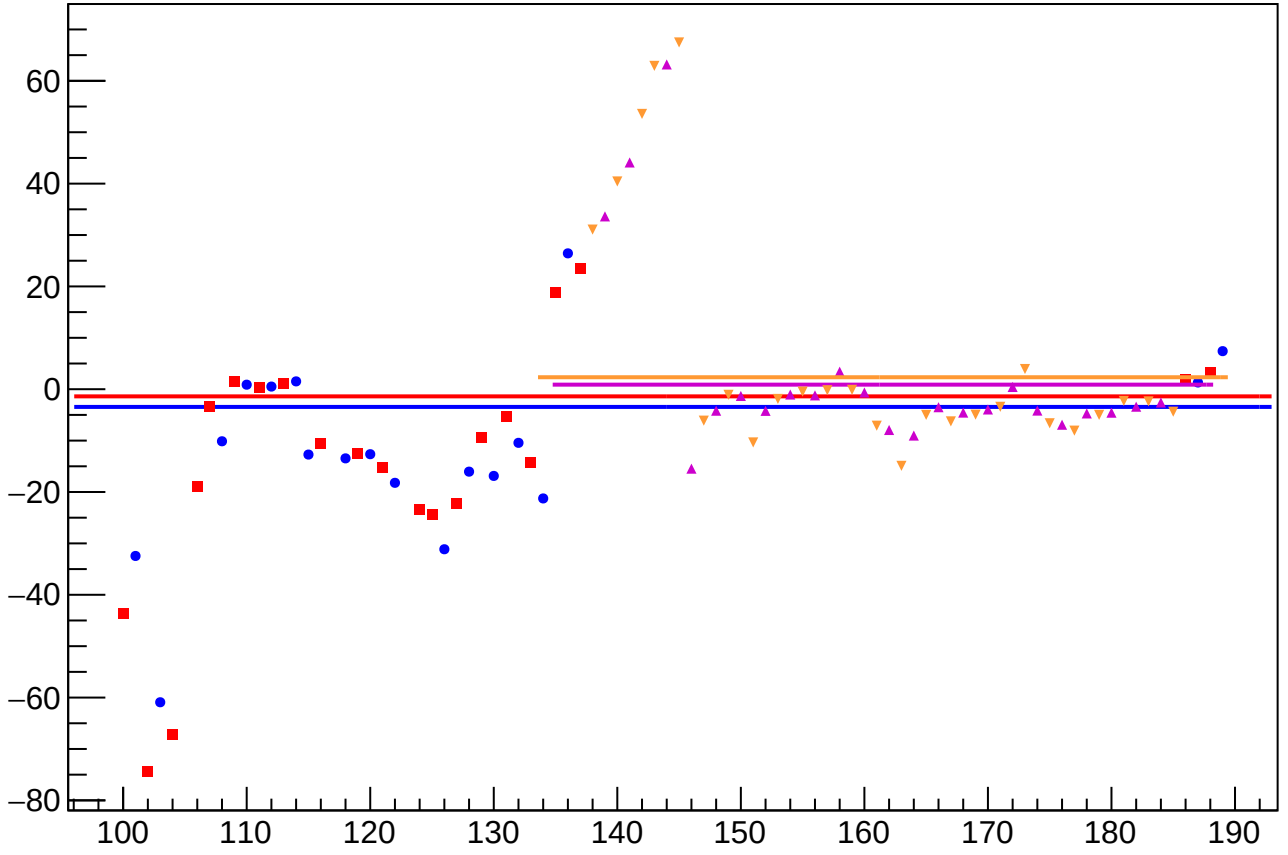
Left In: -0.053+/-0.001 χ^2/NDF:4993.7/22

+ sign -0.083+/-0.001 χ^2/NDF: 21639.8/42

All: -0.071+/-0.001 χ^2/NDF: 44986.3/86

- sign -0.060+/-0.001 χ^2/NDF: 23218.1/43

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: -3.445+/-0.053 χ^2/NDF: 76968.6/17

Left Out: 2.329+/-0.041 χ^2/NDF:174647.6/24

Right Out: -1.393+/-0.042 χ^2/NDF: 82650.0/20

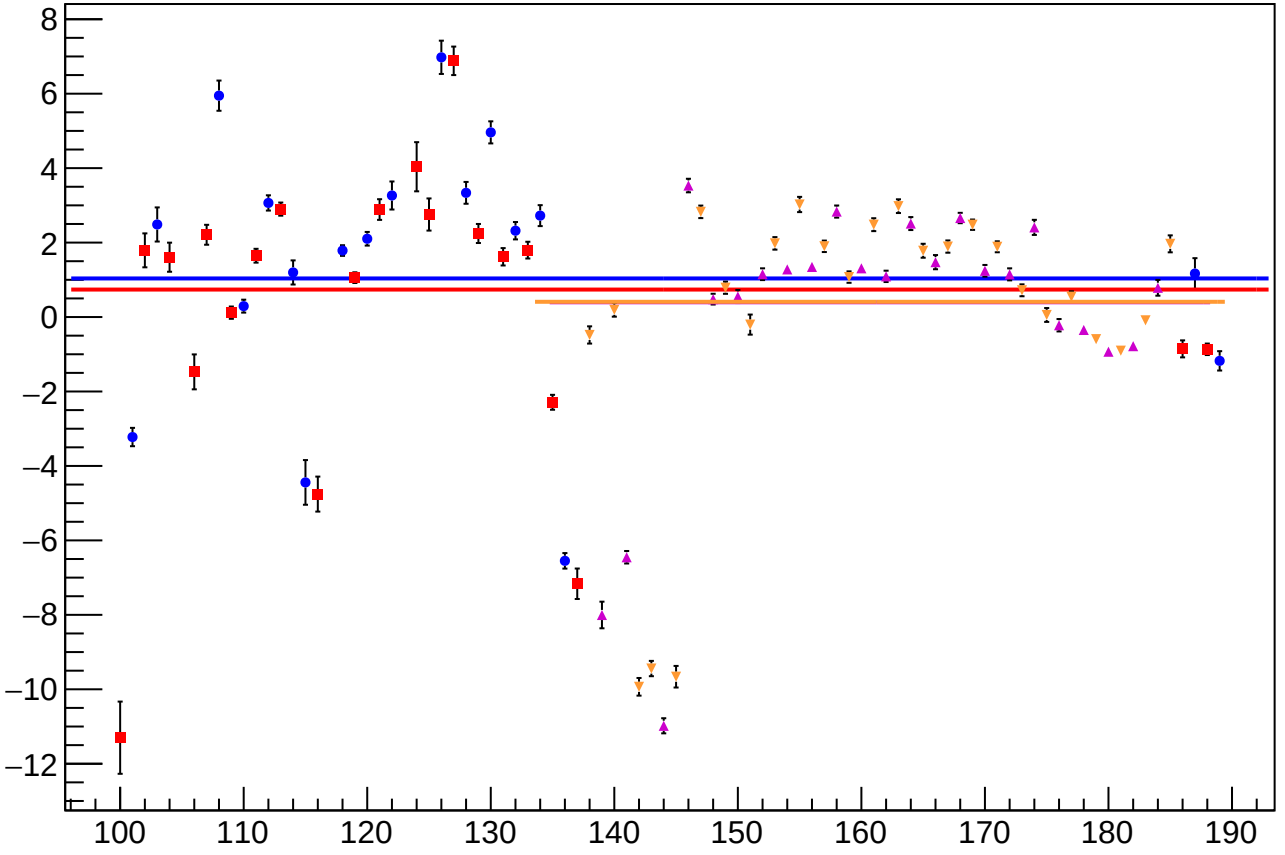
Left In: 0.887+/-0.041 χ^2/NDF:130417.3/22

+ sign 0.162+/-0.032 χ^2/NDF: 259030.5/42

All: -0.049+/-0.022 χ^2/NDF: 473693.2/86

- sign -0.220+/-0.029 χ^2/NDF: 214586.2/43

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 1.037+/-0.059 χ^2/NDF: 2626.4/17

Left Out: 0.410+/-0.033 χ^2/NDF:7047.9/24

Right Out: 0.738+/-0.053 χ^2/NDF: 1741.2/20

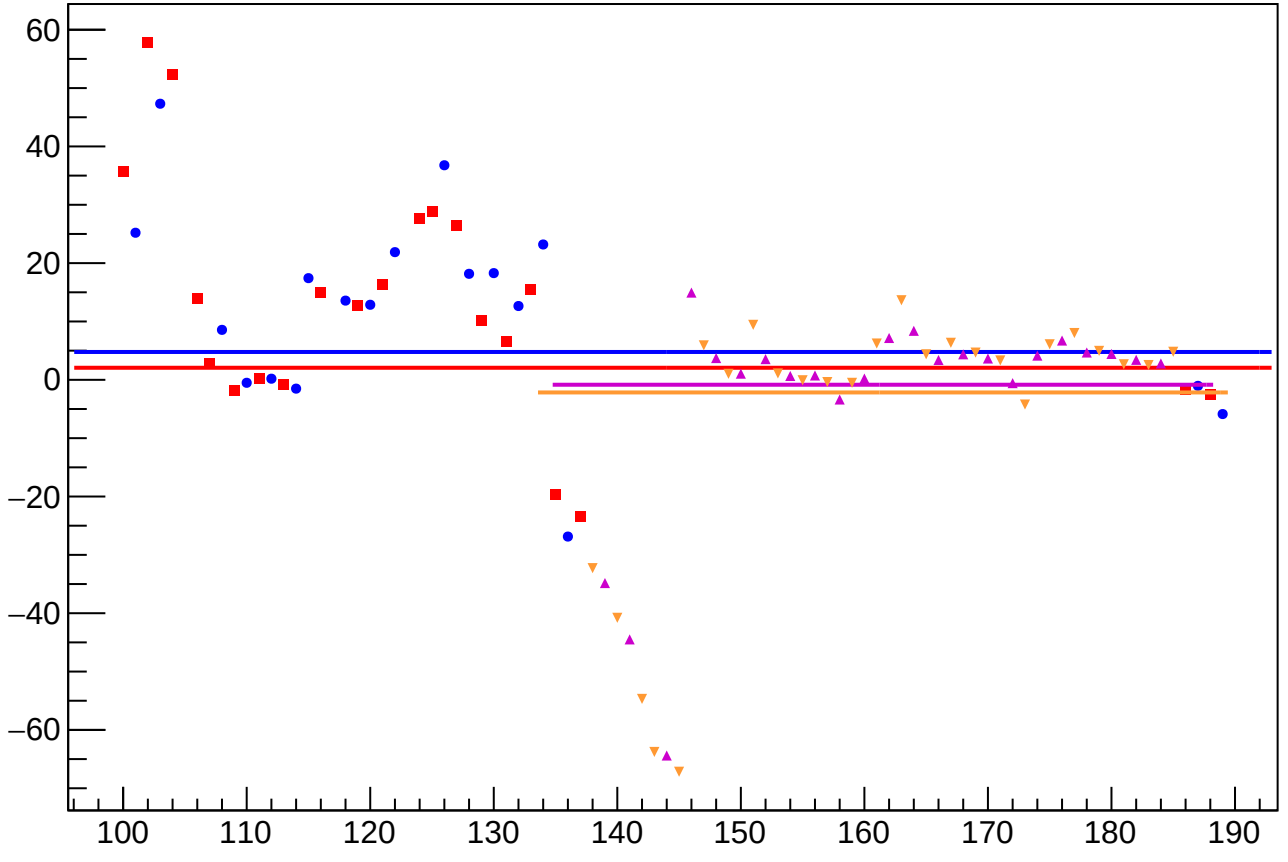
Left In: 0.396+/-0.032 χ^2/NDF:6932.0/22

+ sign 0.561+/-0.029 χ^2/NDF: 9759.2/42

All: 0.522+/-0.020 χ^2/NDF: 18466.1/86

- sign 0.488+/-0.027 χ^2/NDF: 8703.5/43

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: 4.774+/-0.060 χ^2/NDF: 74174.1/17

Left Out: -2.163+/-0.041 χ^2/NDF:168990.2/24

Right Out: 2.067+/-0.047 χ^2/NDF: 80309.5/20

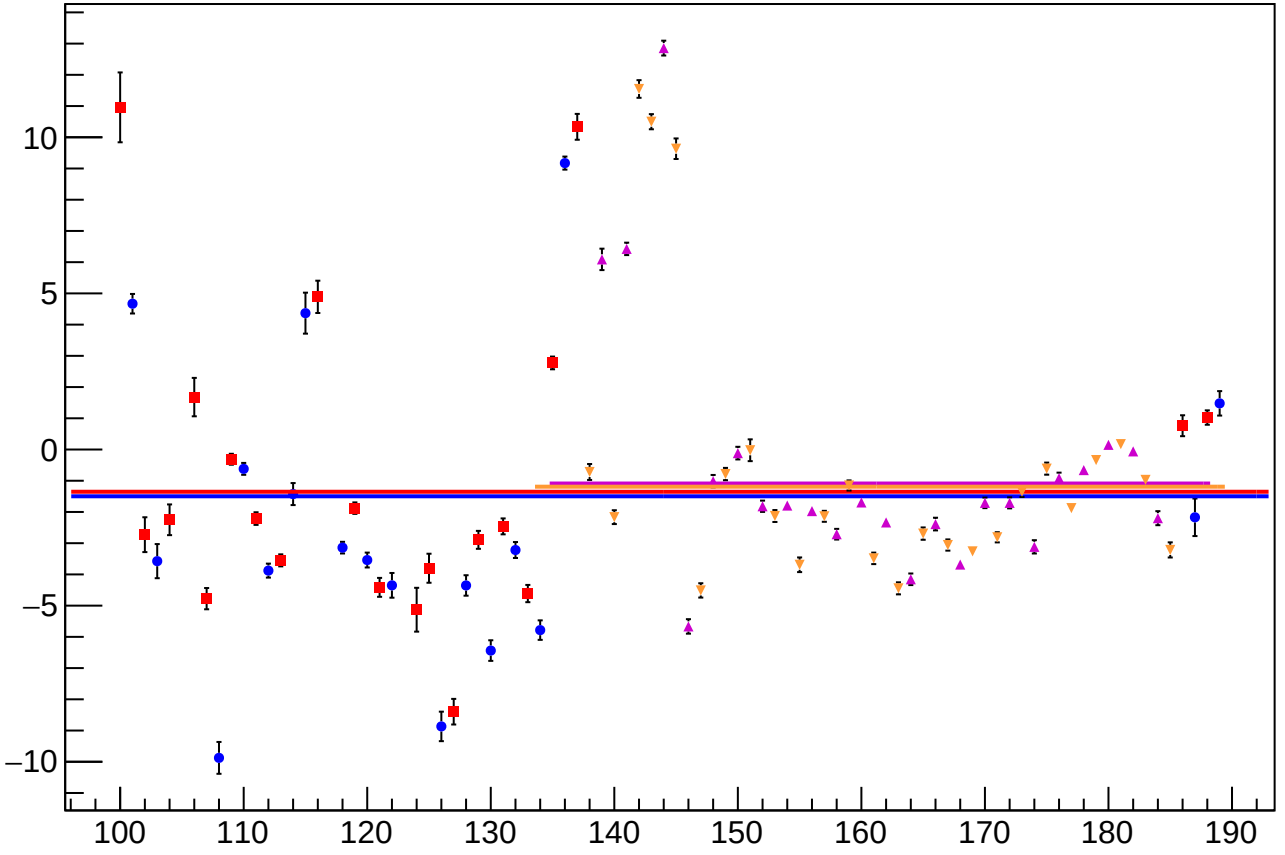
Left In: -0.843+/-0.040 χ^2/NDF:127135.3/22

+ sign 0.038+/-0.034 χ^2/NDF: 252225.3/42

All: 0.236+/-0.023 χ^2/NDF: 461962.7/86

- sign 0.395+/-0.030 χ^2/NDF: 209676.1/43

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.498+/-0.069 χ^2/NDF: 4533.2/17

Left Out: -1.190+/-0.037 χ^2/NDF:6995.9/24

Right Out: -1.352+/-0.062 χ^2/NDF: 2586.0/20

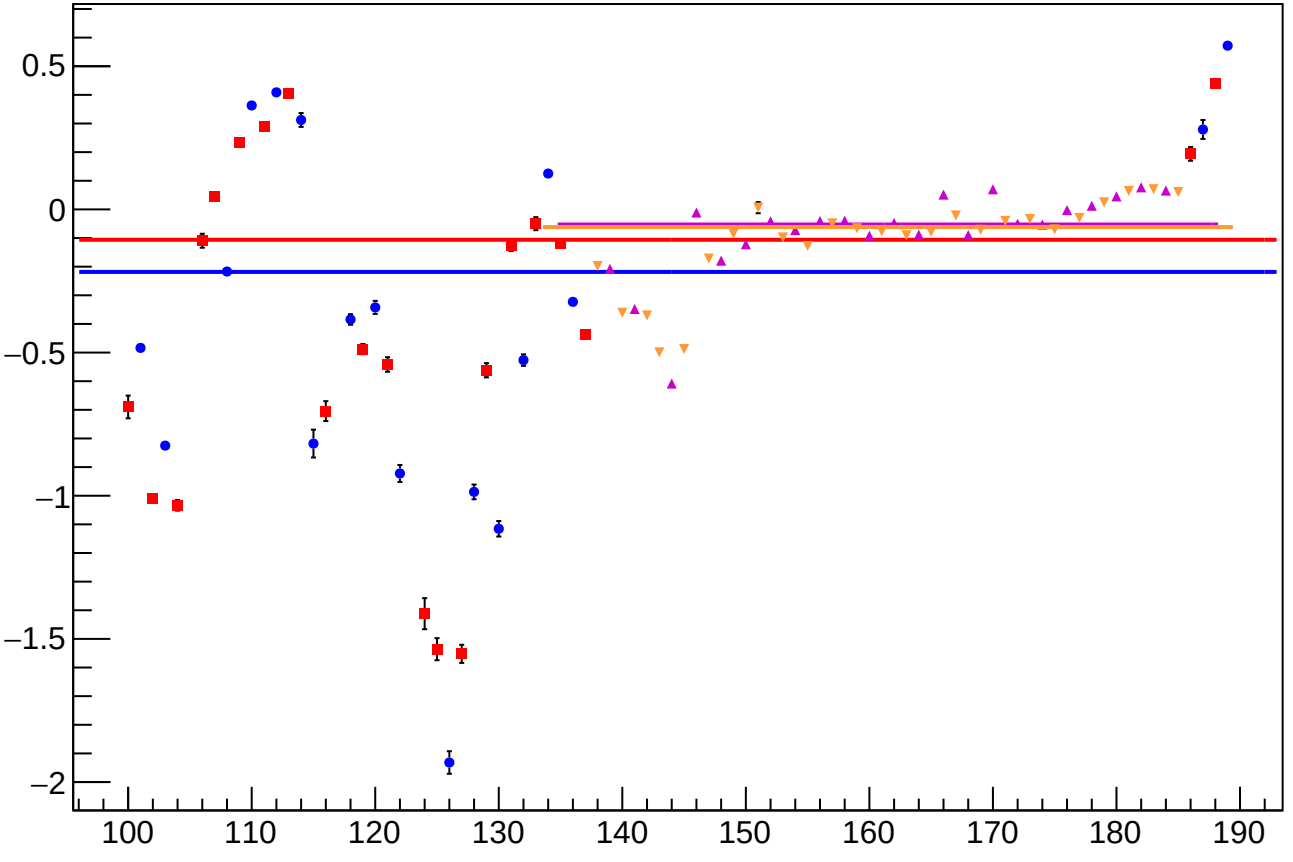
Left In: -1.089+/-0.036 χ^2/NDF:6840.8/22

+ sign -1.259+/-0.033 χ^2/NDF: 11544.5/42

All: -1.204+/-0.022 χ^2/NDF: 20990.2/86

- sign -1.154+/-0.031 χ^2/NDF: 9440.3/43

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: -0.218+/-0.004 χ^2/NDF: 14298.3/17

Left Out: -0.062+/-0.002 χ^2/NDF:5563.5/24

Right Out: -0.106+/-0.004 χ^2/NDF: 17888.3/20

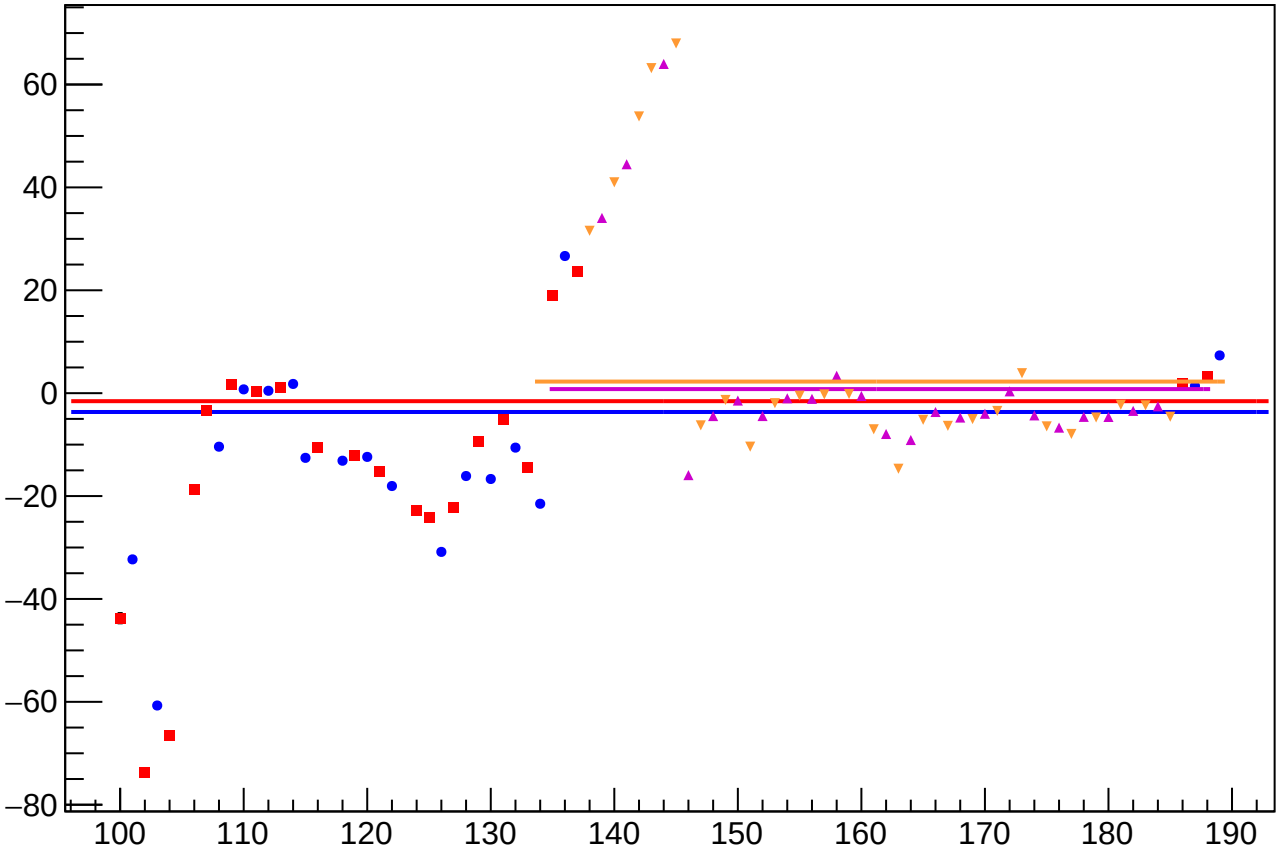
Left In: -0.053+/-0.002 χ^2/NDF:5036.0/22

+ sign -0.083+/-0.002 χ^2/NDF: 21142.2/42

All: -0.071+/-0.001 χ^2/NDF: 44365.2/86

- sign -0.061+/-0.001 χ^2/NDF: 23107.4/43

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: -3.658+/-0.054 χ^2/NDF: 75485.0/17

Left Out: 2.255+/-0.041 χ^2/NDF:171671.4/24

Right Out: -1.556+/-0.043 χ^2/NDF: 80900.1/20

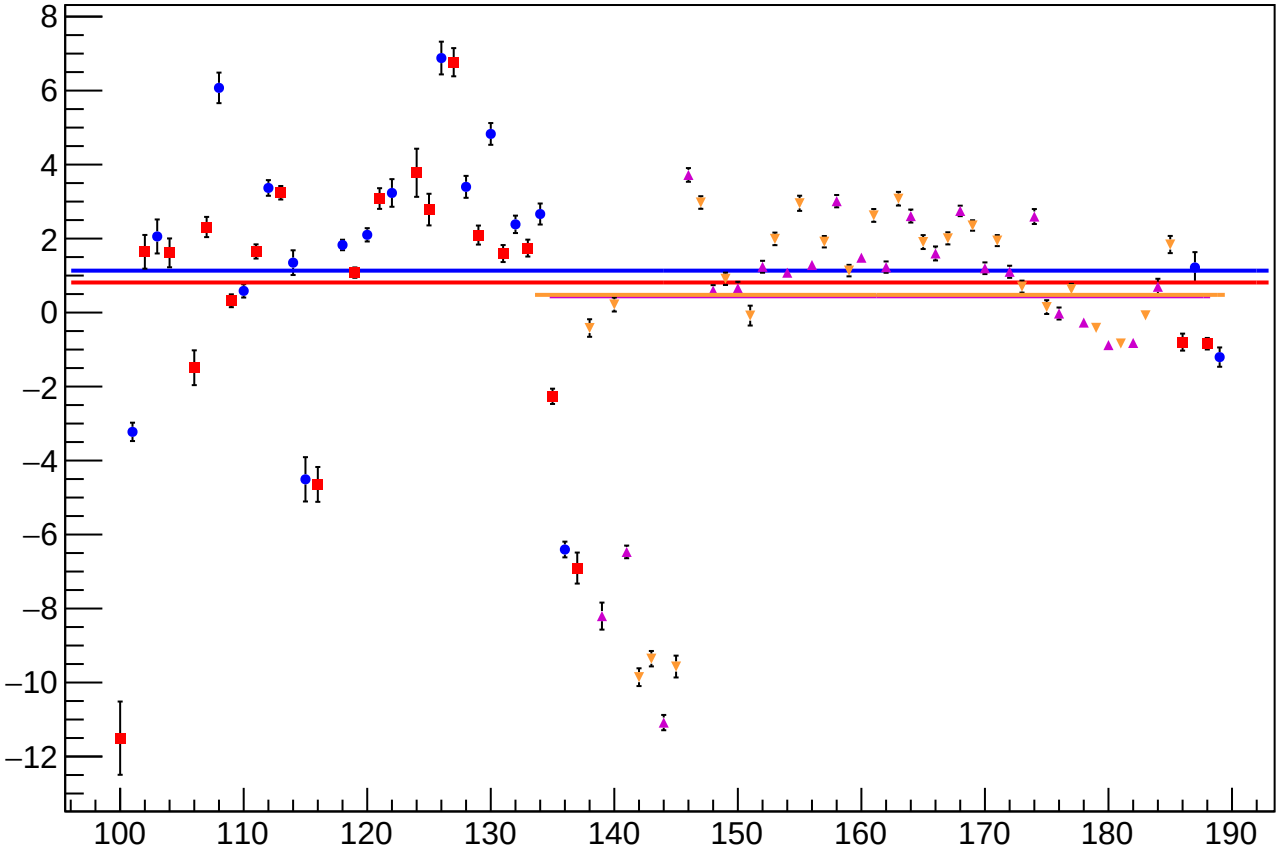
Left In: 0.794+/-0.041 χ^2/NDF:128828.3/22

+ sign 0.056+/-0.033 χ^2/NDF: 254703.6/42

All: -0.157+/-0.022 χ^2/NDF: 466068.0/86

- sign -0.331+/-0.030 χ^2/NDF: 211288.1/43

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 1.133+/-0.060 χ^2/NDF: 2528.4/17

Left Out: 0.479+/-0.034 χ^2/NDF:6808.1/24

Right Out: 0.813+/-0.054 χ^2/NDF: 1686.2/20

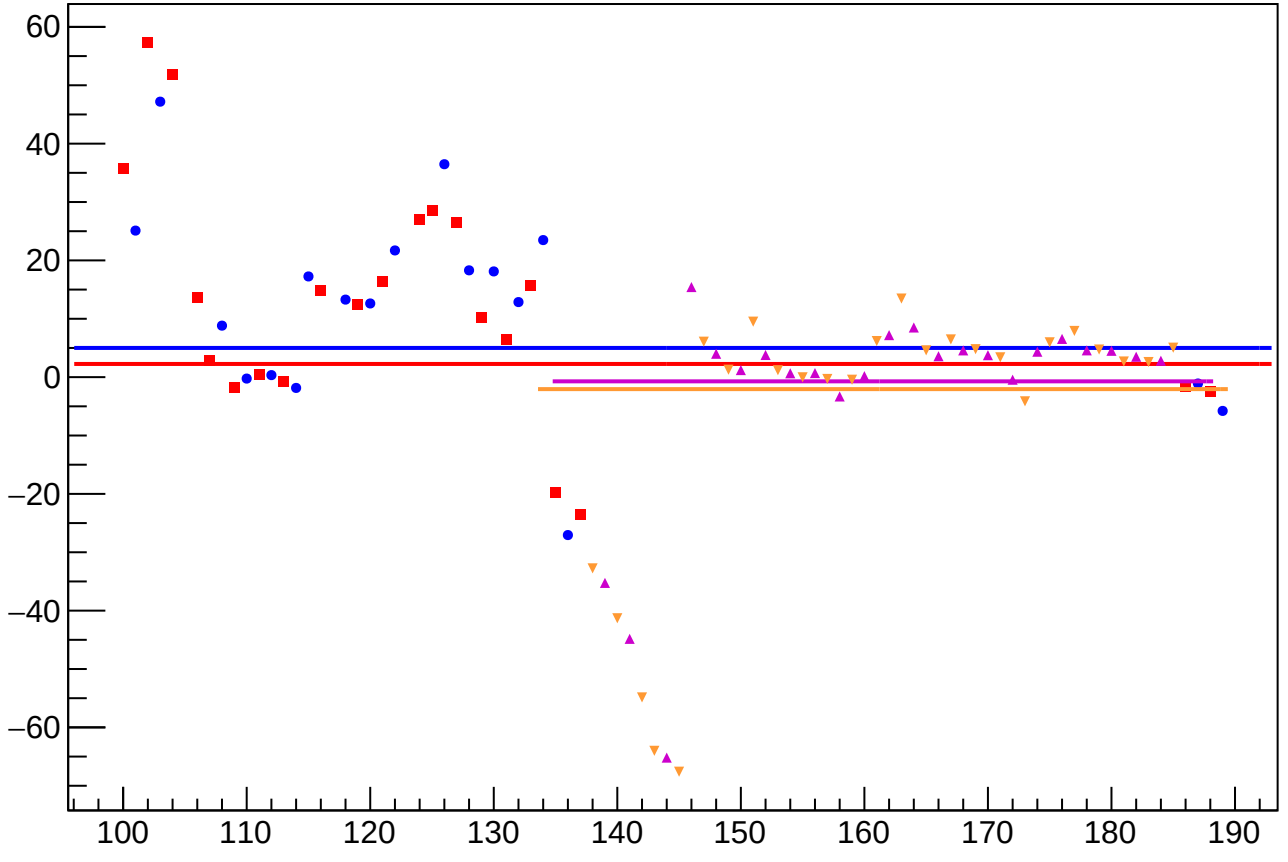
Left In: 0.440+/-0.032 χ^2/NDF:6893.7/22

+ sign 0.637+/-0.029 χ^2/NDF: 9427.5/42

All: 0.585+/-0.020 χ^2/NDF: 18048.6/86

- sign 0.539+/-0.028 χ^2/NDF: 8615.3/43

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: 5.004+/-0.061 χ^2/NDF: 72670.8/17

Left Out: -2.051+/-0.041 χ^2/NDF:166009.6/24

Right Out: 2.259+/-0.048 χ^2/NDF: 78554.2/20

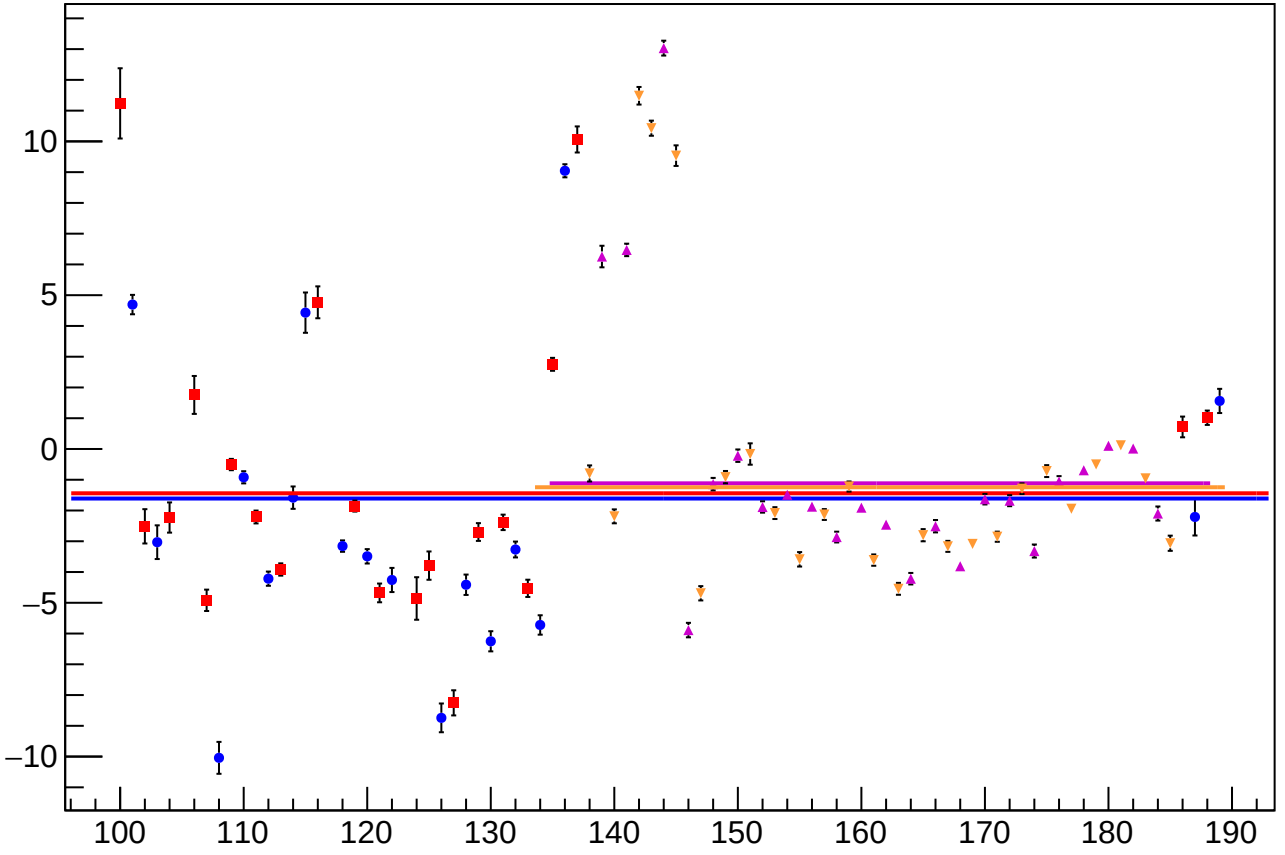
Left In: -0.720+/-0.041 χ^2/NDF:125531.3/22

+ sign 0.180+/-0.034 χ^2/NDF: 247837.0/42

All: 0.377+/-0.023 χ^2/NDF: 454255.8/86

- sign 0.537+/-0.031 χ^2/NDF: 206358.9/43

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.611+/-0.070 χ^2/NDF: 4357.7/17

Left Out: -1.244+/-0.037 χ^2/NDF:6768.7/24

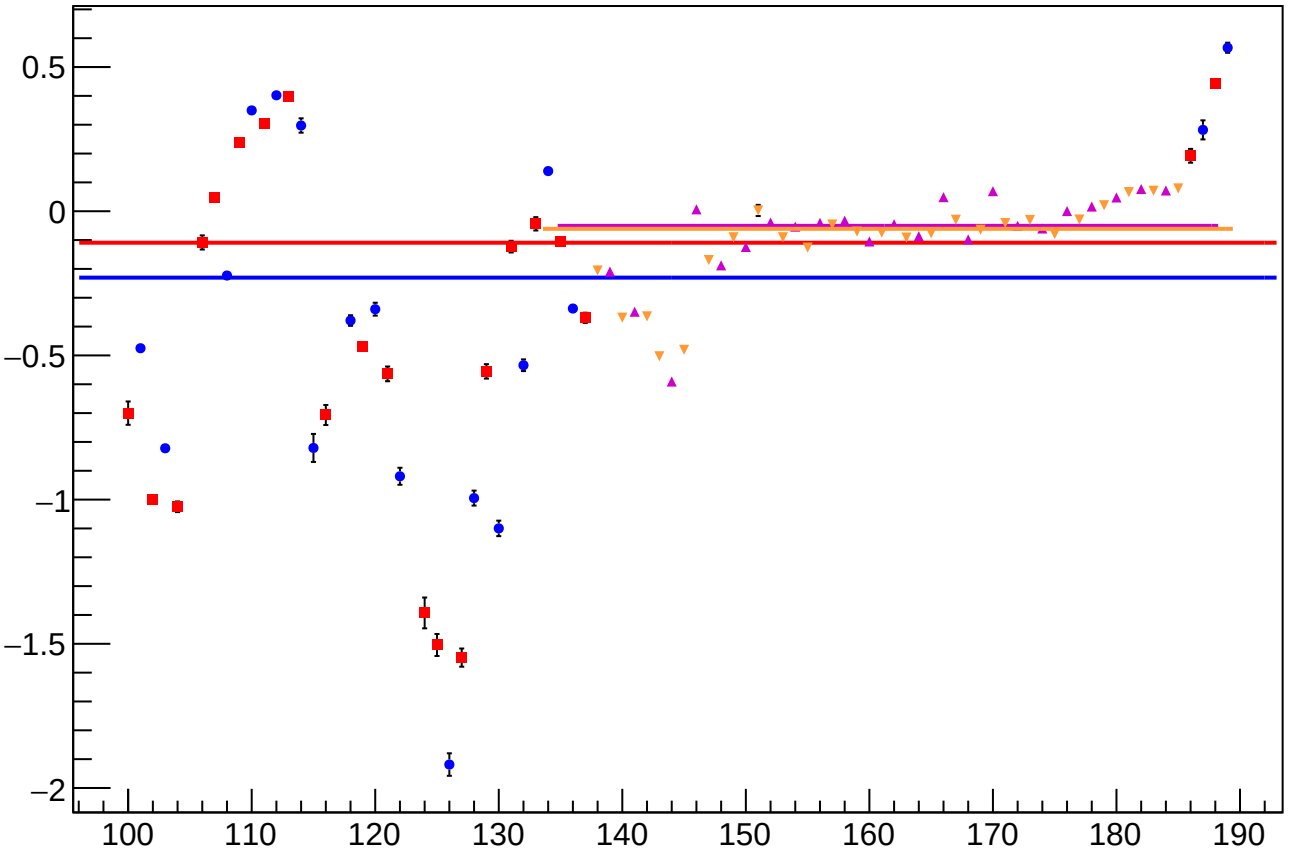
Right Out: -1.440+/-0.063 χ^2/NDF: 2480.0/20

Left In: -1.117+/-0.036 χ^2/NDF:6840.3/22

+ sign -1.326+/-0.033 χ^2/NDF: 11147.8/42

All: -1.257+/-0.023 χ^2/NDF: 20496.0/86

- sign -1.196+/-0.031 χ^2/NDF: 9340.1/43



Right In: -0.230+/-0.004 χ^2/NDF: 13833.8/17

Left Out: -0.061+/-0.002 χ^2/NDF:5479.8/24

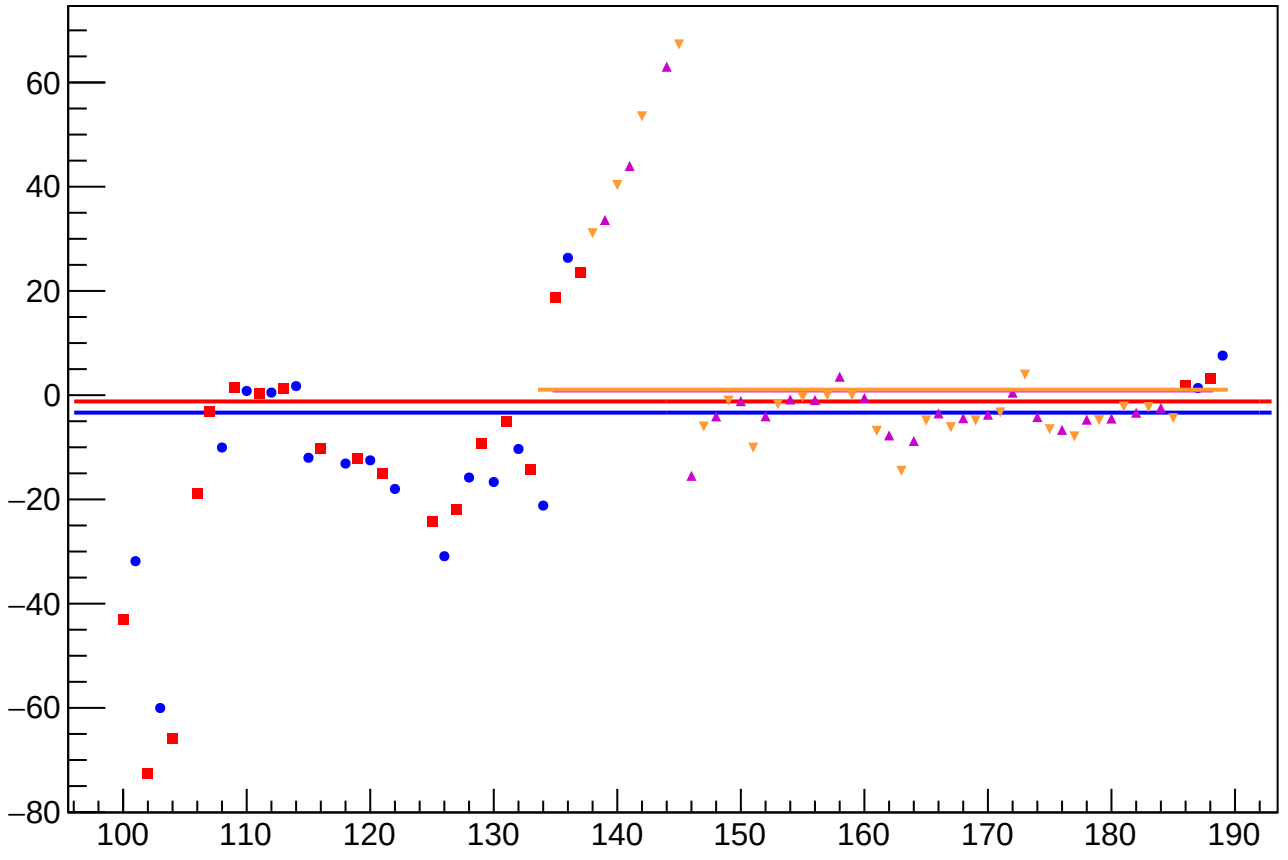
Right Out: -0.109+/-0.004 χ^2/NDF: 17319.8/20

Left In: -0.051+/-0.002 χ^2/NDF:4878.7/22

+ sign -0.084+/-0.002 χ^2/NDF: 20769.3/42

All: -0.071+/-0.001 χ^2/NDF: 43317.1/86

- sign -0.059+/-0.001 χ^2/NDF: 22409.9/43



Right In: -3.348+/-0.052 χ^2/NDF: 78201.4/17

Left Out: 1.053+/-0.041 χ^2/NDF:131031.0/23

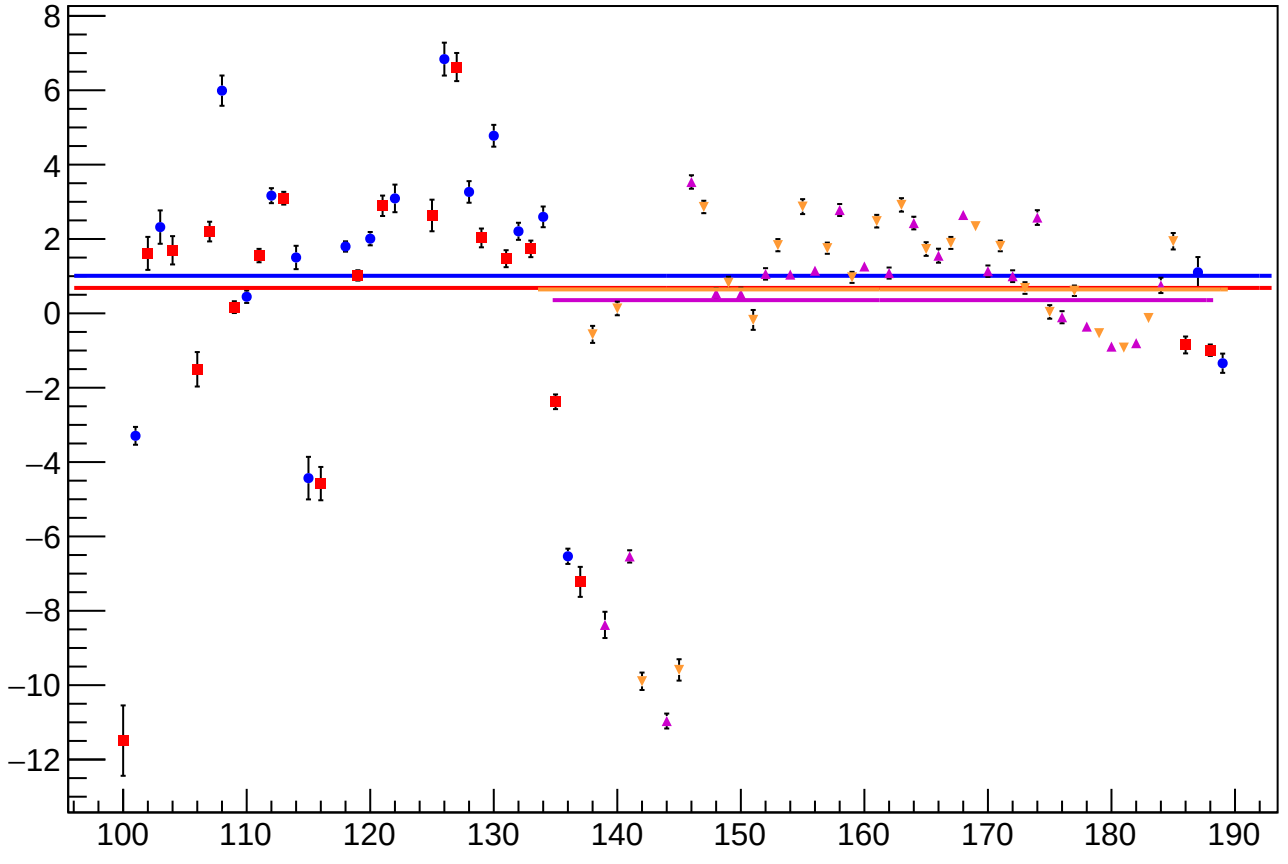
Right Out: -1.204+/-0.041 χ^2/NDF: 82256.3/19

Left In: 0.913+/-0.040 χ^2/NDF:132807.5/22

+ sign -0.617+/-0.032 χ^2/NDF: 213700.6/41

All: -0.337+/-0.021 χ^2/NDF: 430271.7/84

- sign -0.113+/-0.029 χ^2/NDF: 216432.5/42



Right In: 1.010+/-0.058 χ^2/NDF: 2682.7/17

Left Out: 0.644+/-0.033 χ^2/NDF:4711.1/23

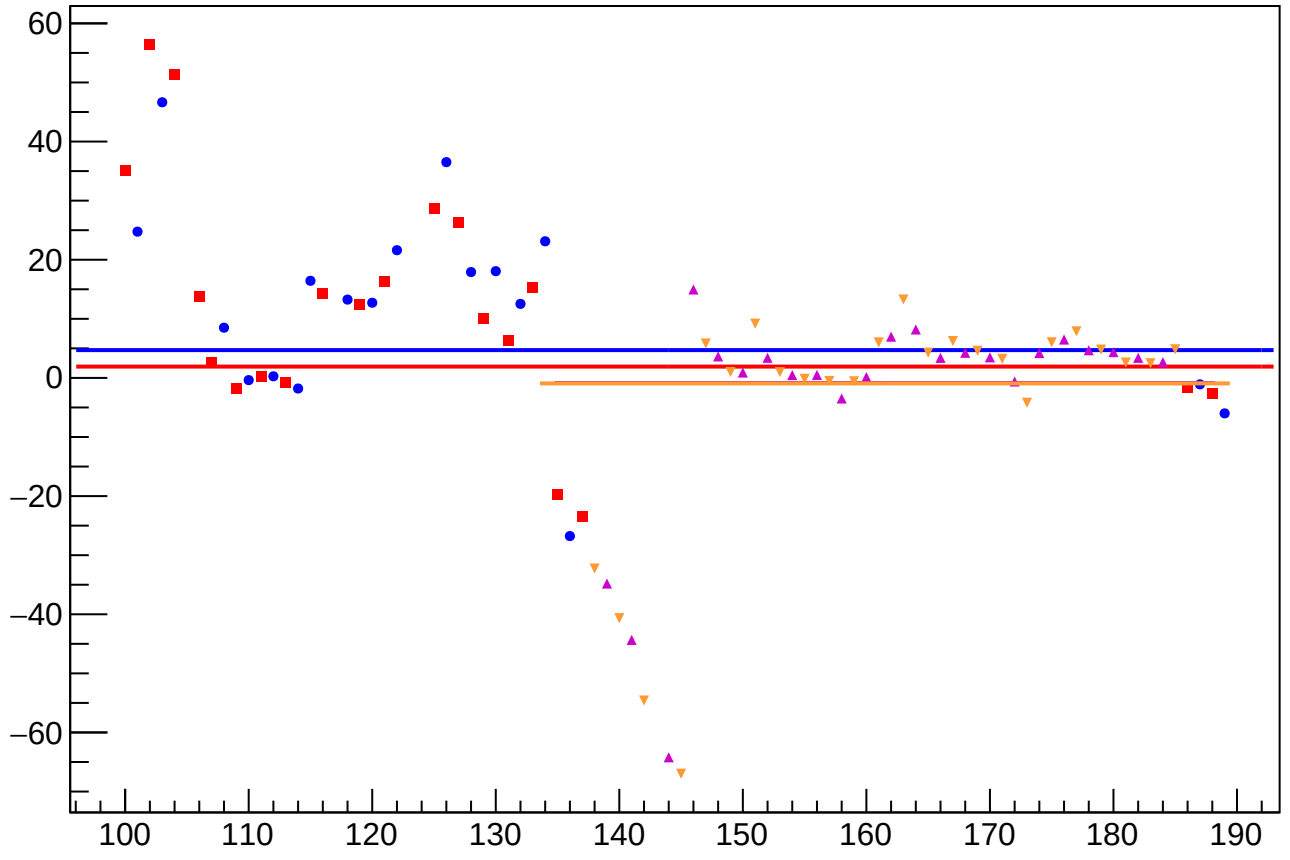
Right Out: 0.684+/-0.052 χ^2/NDF: 1791.2/19

Left In: 0.355+/-0.031 χ^2/NDF:7117.0/22

+ sign 0.734+/-0.029 χ^2/NDF: 7423.7/41

All: 0.578+/-0.020 χ^2/NDF: 16415.9/84

- sign 0.442+/-0.027 χ^2/NDF: 8937.3/42



Right In: 4.704+/-0.059 χ^2/NDF: 75299.1/17

Left Out: -0.929+/-0.041 χ^2/NDF:126378.7/23

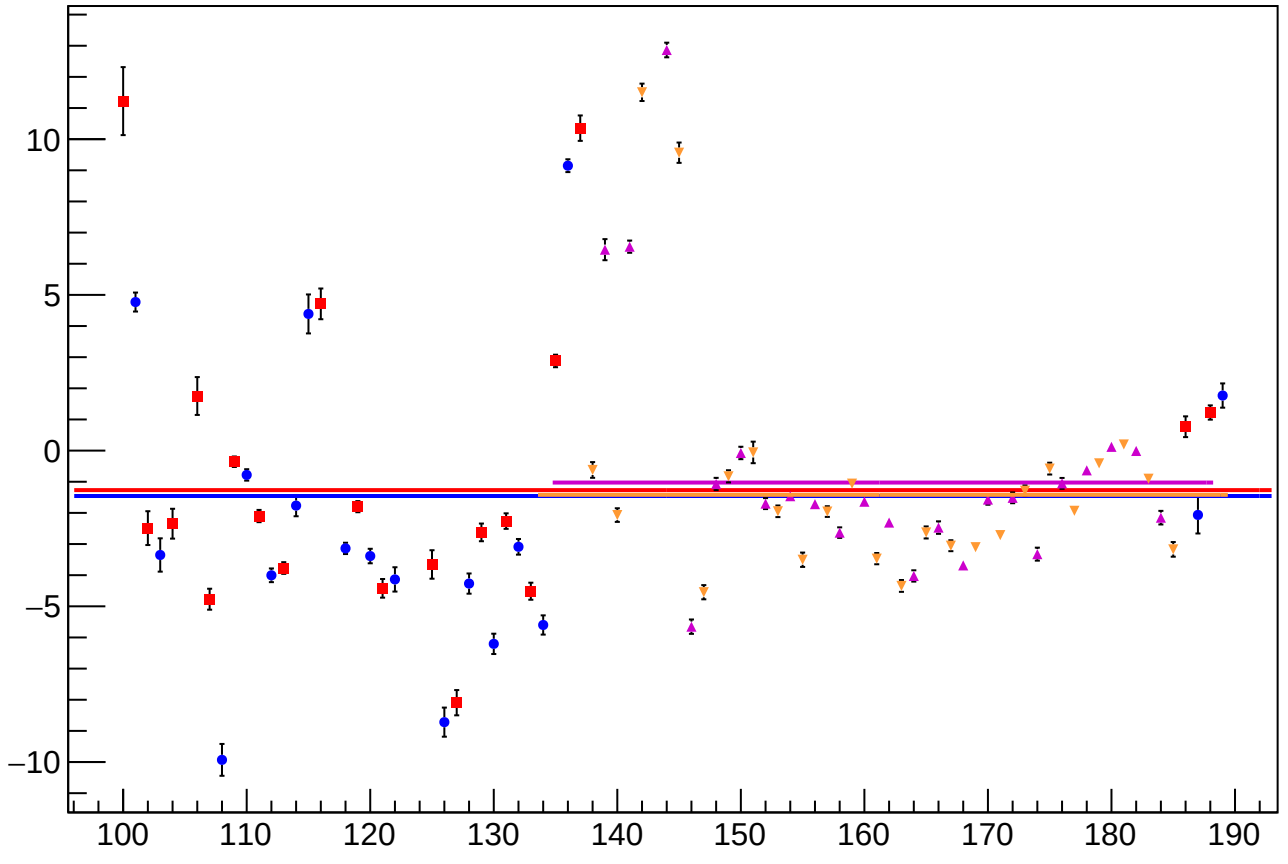
Right Out: 1.917+/-0.046 χ^2/NDF: 79980.9/19

Left In: -0.860+/-0.039 χ^2/NDF:129485.0/22

\+ sign 0.875+/-0.033 χ^2/NDF: 207860.9/41

All: 0.560+/-0.022 χ^2/NDF: 419596.2/84

\- sign 0.309+/-0.030 χ^2/NDF: 211576.1/42



Right In: -1.458+/-0.068 χ^2/NDF: 4615.0/17

Left Out: -1.420+/-0.037 χ^2/NDF:4642.0/23

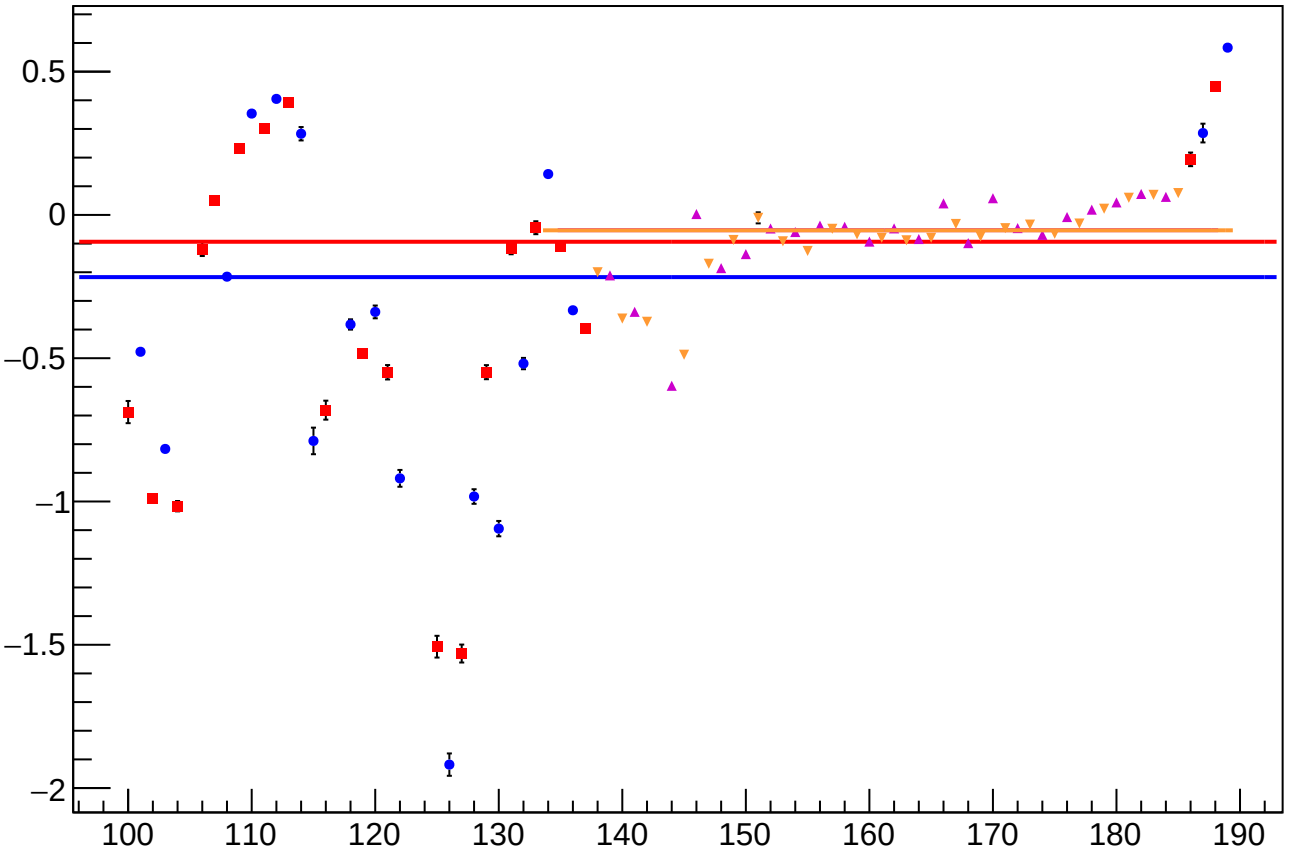
Right Out: -1.269+/-0.061 χ^2/NDF: 2646.6/19

Left In: -1.026+/-0.035 χ^2/NDF:7047.1/22

+ sign -1.429+/-0.032 χ^2/NDF: 9257.3/41

All: -1.246+/-0.022 χ^2/NDF: 19023.4/84

- sign -1.085+/-0.030 χ^2/NDF: 9705.6/42



Right In: -0.217+/-0.004 χ^2/NDF: 14630.3/17

Left Out: -0.054+/-0.002 χ^2/NDF:4340.0/23

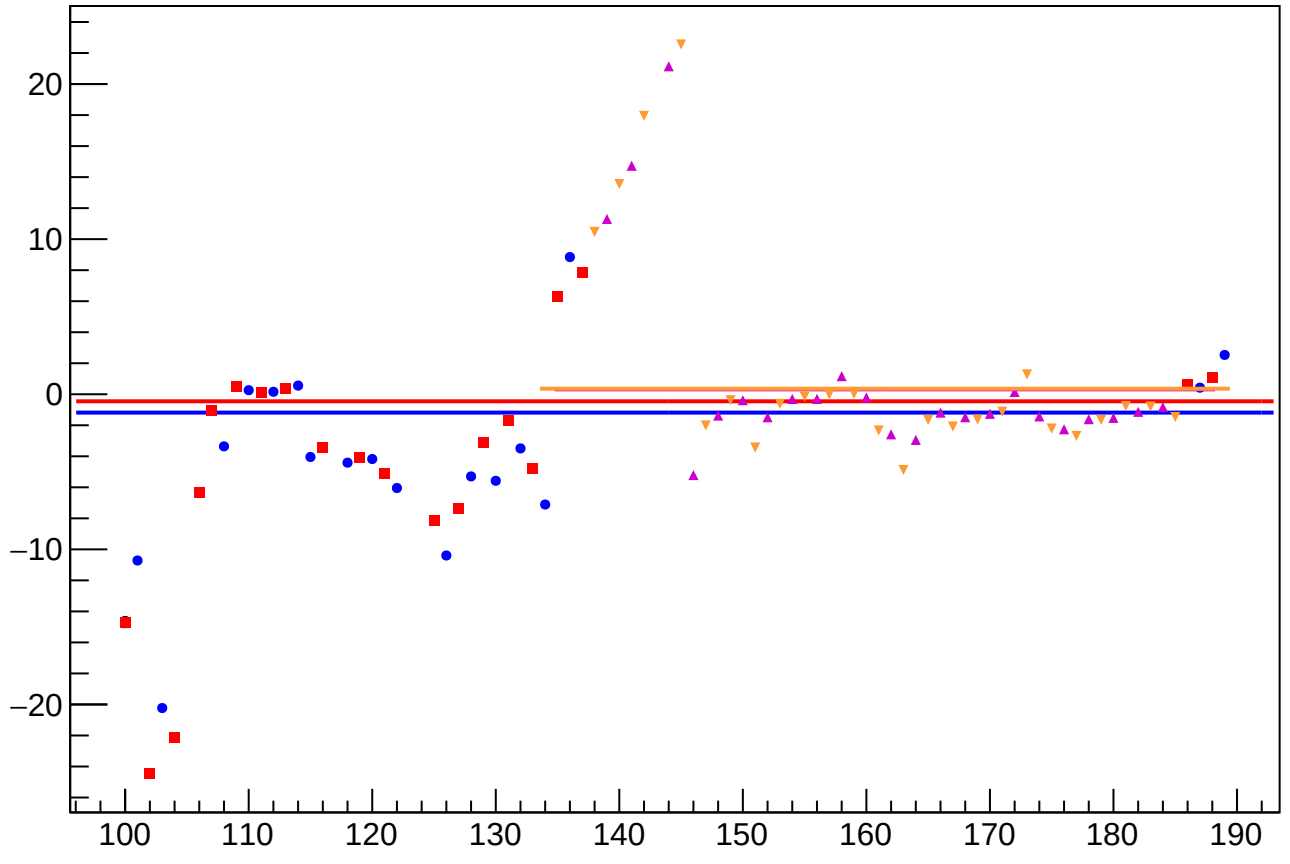
Right Out: -0.094+/-0.004 χ^2/NDF: 17543.6/19

Left In: -0.053+/-0.001 χ^2/NDF:5009.7/22

+ sign -0.076+/-0.001 χ^2/NDF: 20409.2/41

All: -0.067+/-0.001 χ^2/NDF: 43142.8/84

- sign -0.059+/-0.001 χ^2/NDF: 22662.8/42



Right In: -1.183+/-0.018 χ^2/NDF: 76569.6/17

Left Out: 0.359+/-0.014 χ^2/NDF:128829.7/23

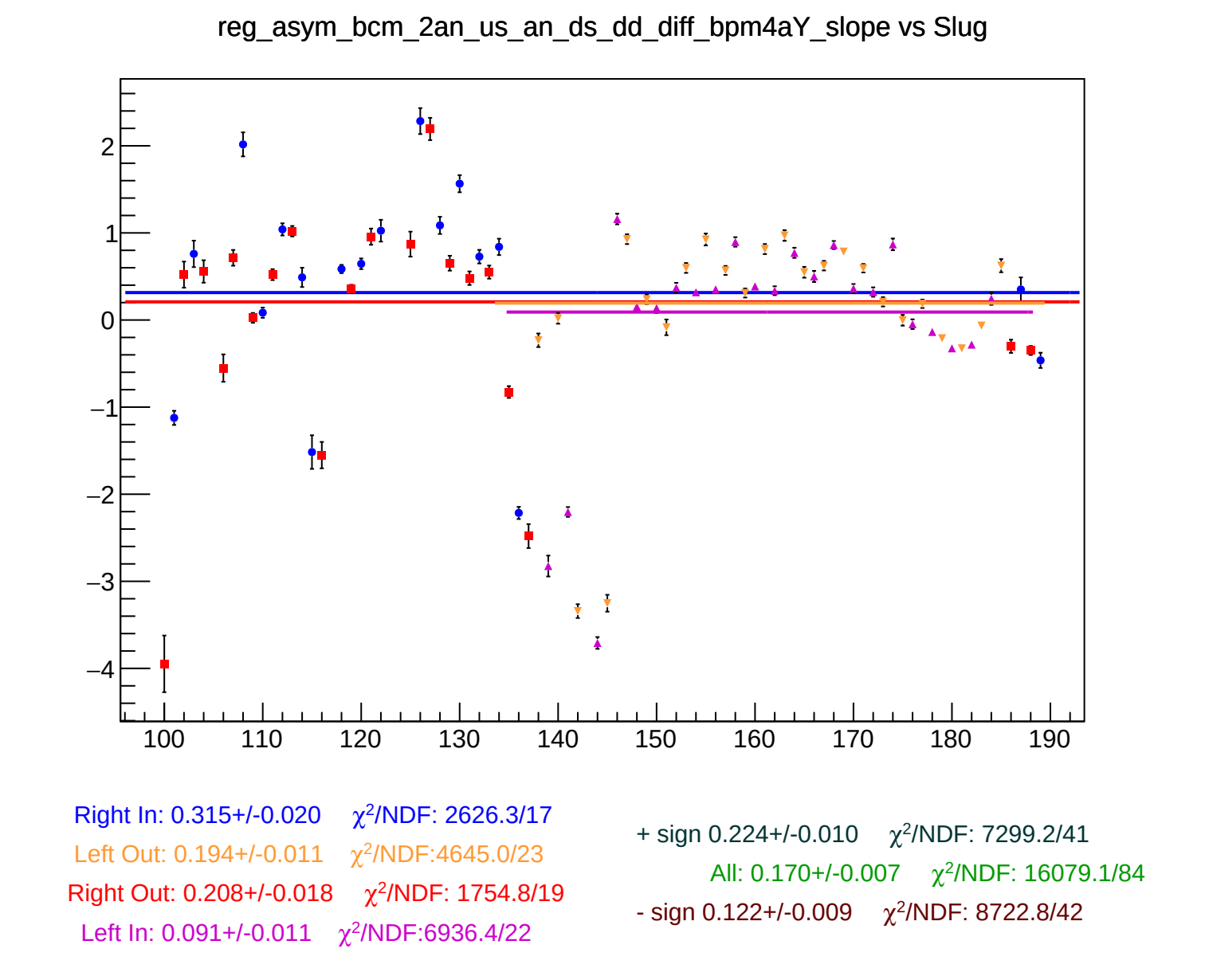
Right Out: -0.454+/-0.014 χ^2/NDF: 80720.8/19

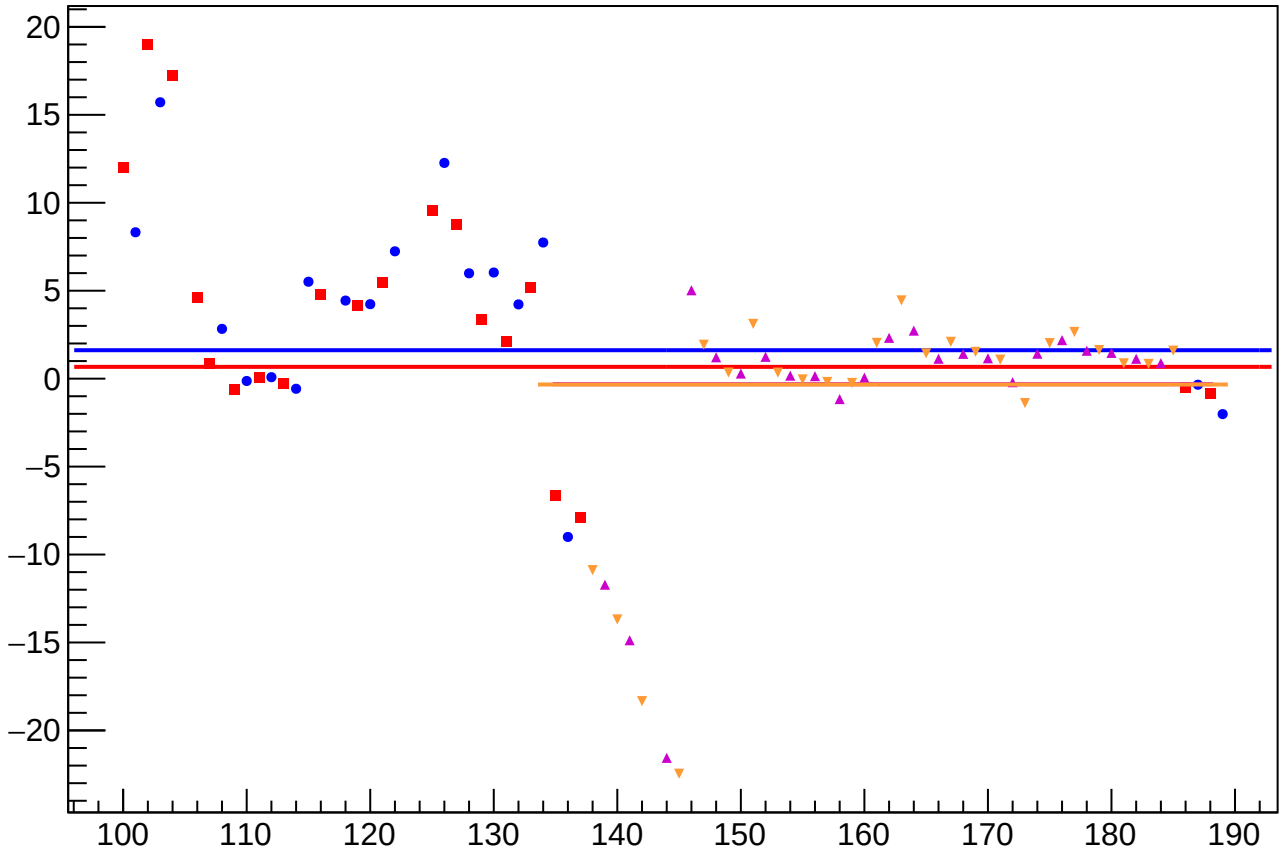
Left In: 0.317+/-0.014 χ^2/NDF:130224.2/22

\+ sign -0.223+/-0.011 χ^2/NDF: 210061.6/41

All: -0.129+/-0.007 χ^2/NDF: 422675.7/84

\- sign -0.053+/-0.010 χ^2/NDF: 212480.9/42


reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs Slug
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
190
Right In: 0.315+/-0.020 χ²/NDF: 2626.3/17
Left Out: 0.194+/-0.011 χ²/NDF:4645.0/23
Right Out: 0.208+/-0.018 χ²/NDF: 1754.8/19
Left In: 0.091+/-0.011 χ²/NDF:6936.4/22
+ sign 0.224+/-0.010 χ²/NDF: 7299.2/41
All: 0.170+/-0.007 χ²/NDF: 16079.1/84
- sign 0.122+/-0.009 χ²/NDF: 8722.8/42



Right In: 1.617+/-0.020 χ^2/NDF: 73749.0/17

Left Out: -0.332+/-0.014 χ^2/NDF:124233.4/23

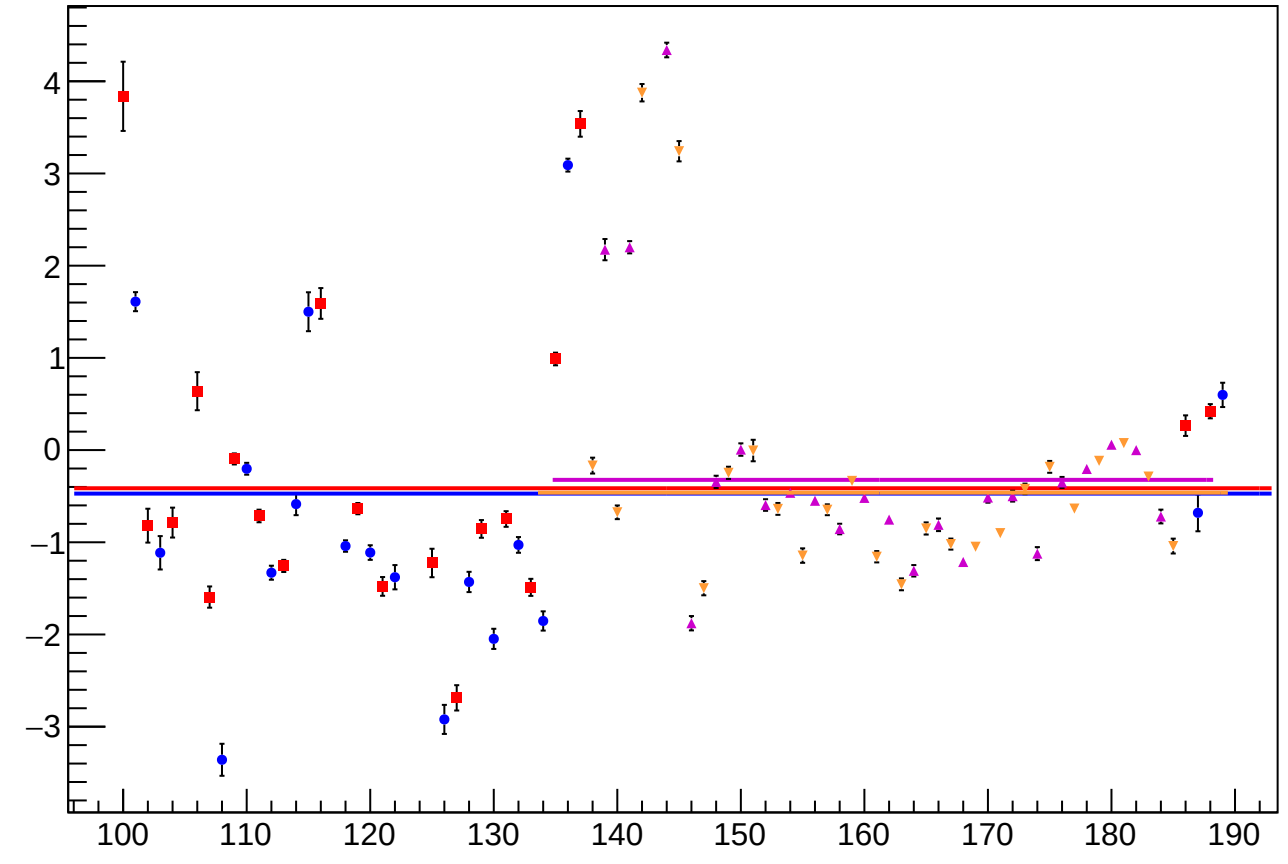
Right Out: 0.671+/-0.016 χ^2/NDF: 78529.2/19

Left In: -0.314+/-0.013 χ^2/NDF:126999.2/22

+ sign 0.292+/-0.011 χ^2/NDF: 204322.2/41

All: 0.187+/-0.008 χ^2/NDF: 412266.0/84

- sign 0.102+/-0.010 χ^2/NDF: 207789.8/42



Right In: -0.472+/-0.023 χ^2/NDF: 4516.0/17

Left Out: -0.462+/-0.013 χ^2/NDF:4580.0/23

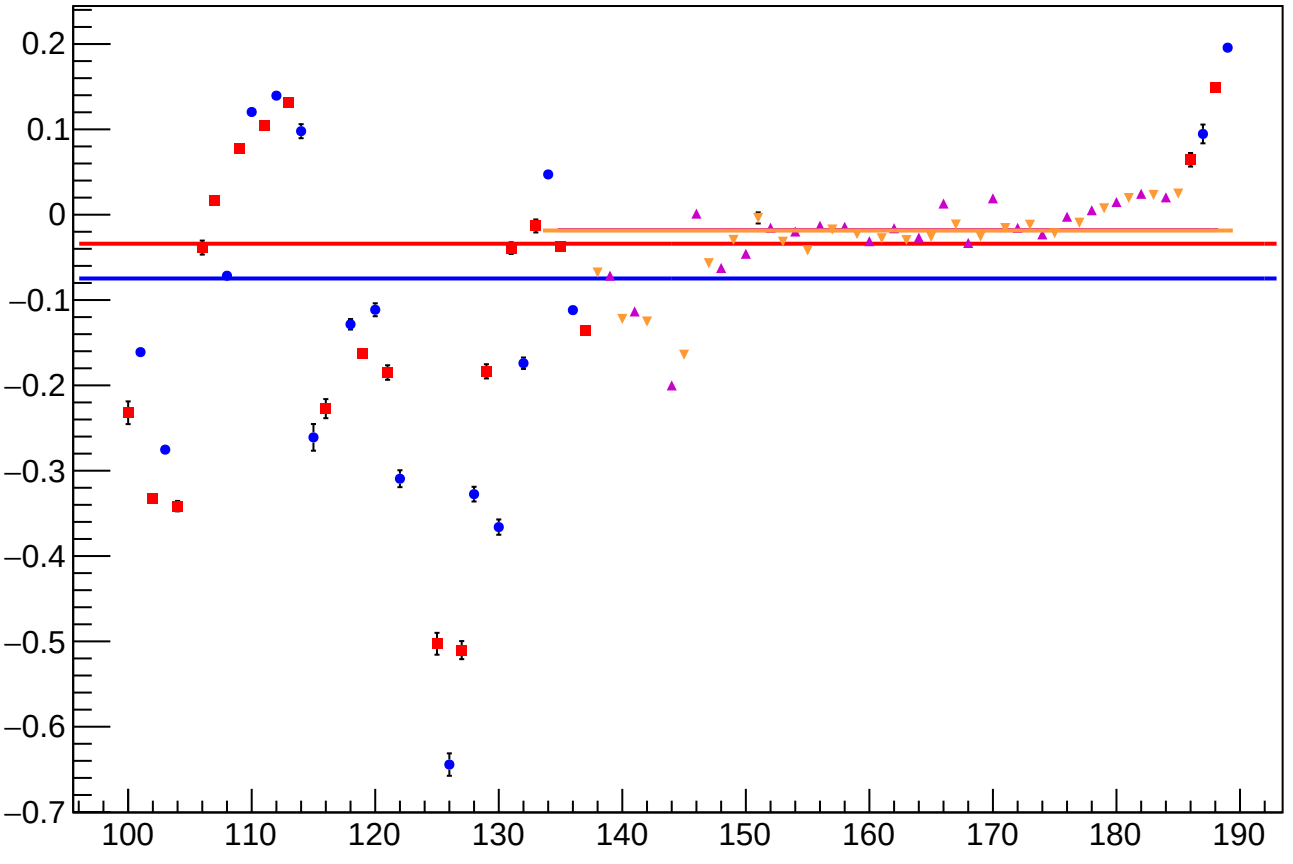
Right Out: -0.414+/-0.021 χ^2/NDF: 2597.0/19

Left In: -0.323+/-0.012 χ^2/NDF:6881.8/22

+ sign -0.464+/-0.011 χ^2/NDF: 9096.2/41

All: -0.401+/-0.008 χ^2/NDF: 18650.8/84

- sign -0.345+/-0.010 χ^2/NDF: 9493.0/42



Right In: -0.075+/-0.001 χ^2/NDF: 14272.1/17

Left Out: -0.019+/-0.001 χ^2/NDF:4227.5/23

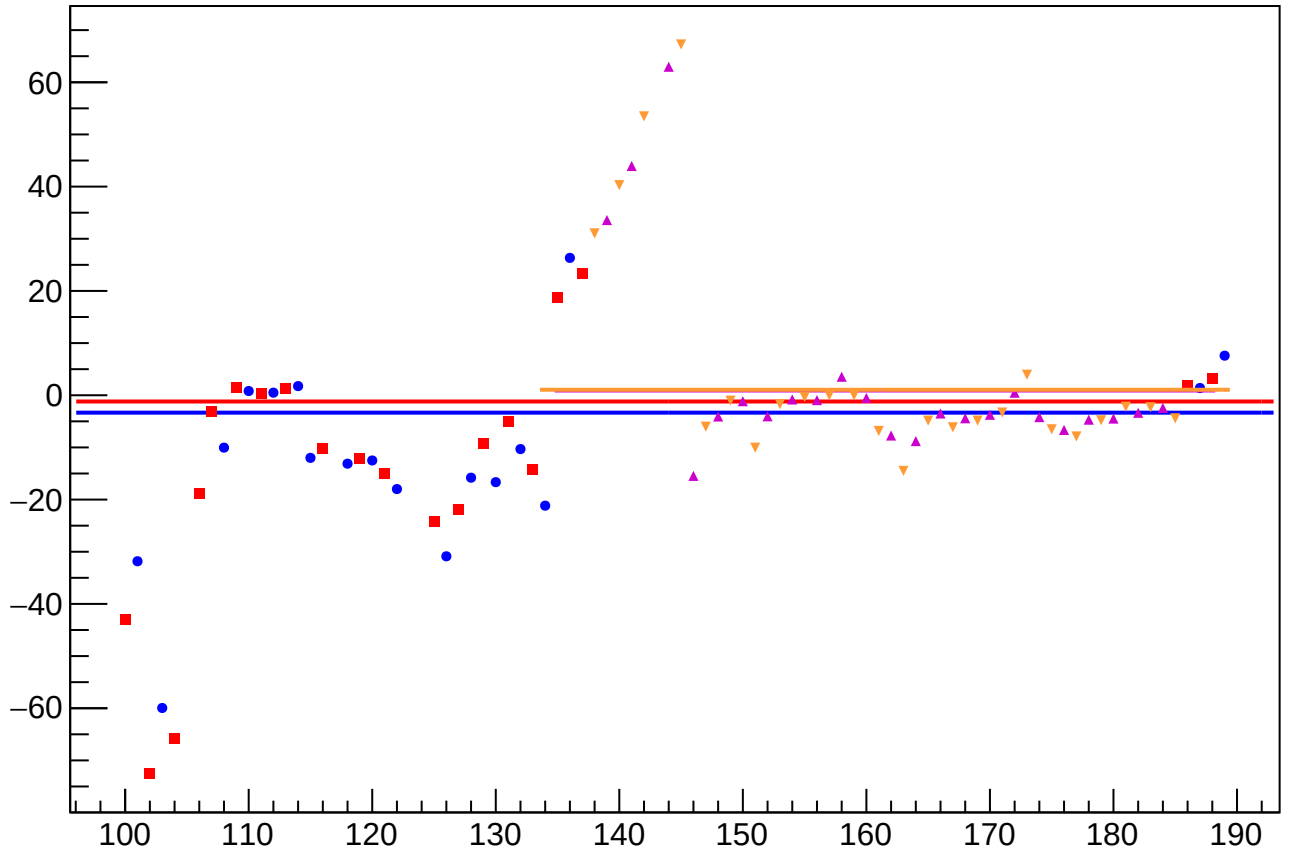
Right Out: -0.034+/-0.001 χ^2/NDF: 17015.3/19

Left In: -0.018+/-0.001 χ^2/NDF:4879.3/22

+ sign -0.026+/-0.001 χ^2/NDF: 19963.1/41

All: -0.023+/-0.000 χ^2/NDF: 42075.1/84

- sign -0.020+/-0.000 χ^2/NDF: 22039.5/42



Right In: -3.336+/-0.052 χ^2/NDF: 78225.4/17

Left Out: 1.058+/-0.041 χ^2/NDF:131010.5/23

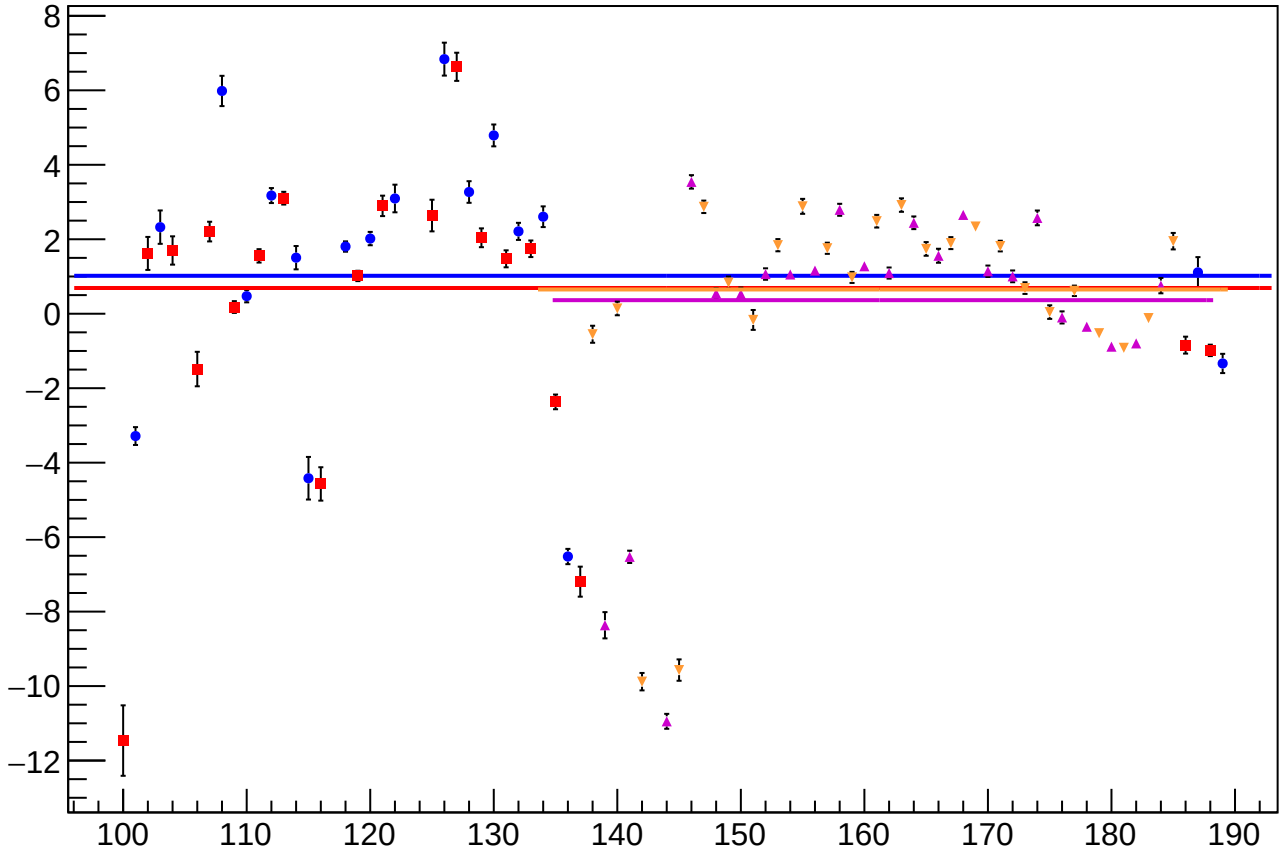
Right Out: -1.197+/-0.041 χ^2/NDF: 82272.2/19

Left In: 0.915+/-0.040 χ^2/NDF:132816.1/22

+ sign -0.611+/-0.032 χ^2/NDF: 213697.4/41

All: -0.332+/-0.021 χ^2/NDF: 430289.5/84

- sign -0.108+/-0.029 χ^2/NDF: 216454.2/42



Right In: 1.019+/-0.058 χ^2/NDF: 2682.7/17

Left Out: 0.651+/-0.033 χ^2/NDF:4708.8/23

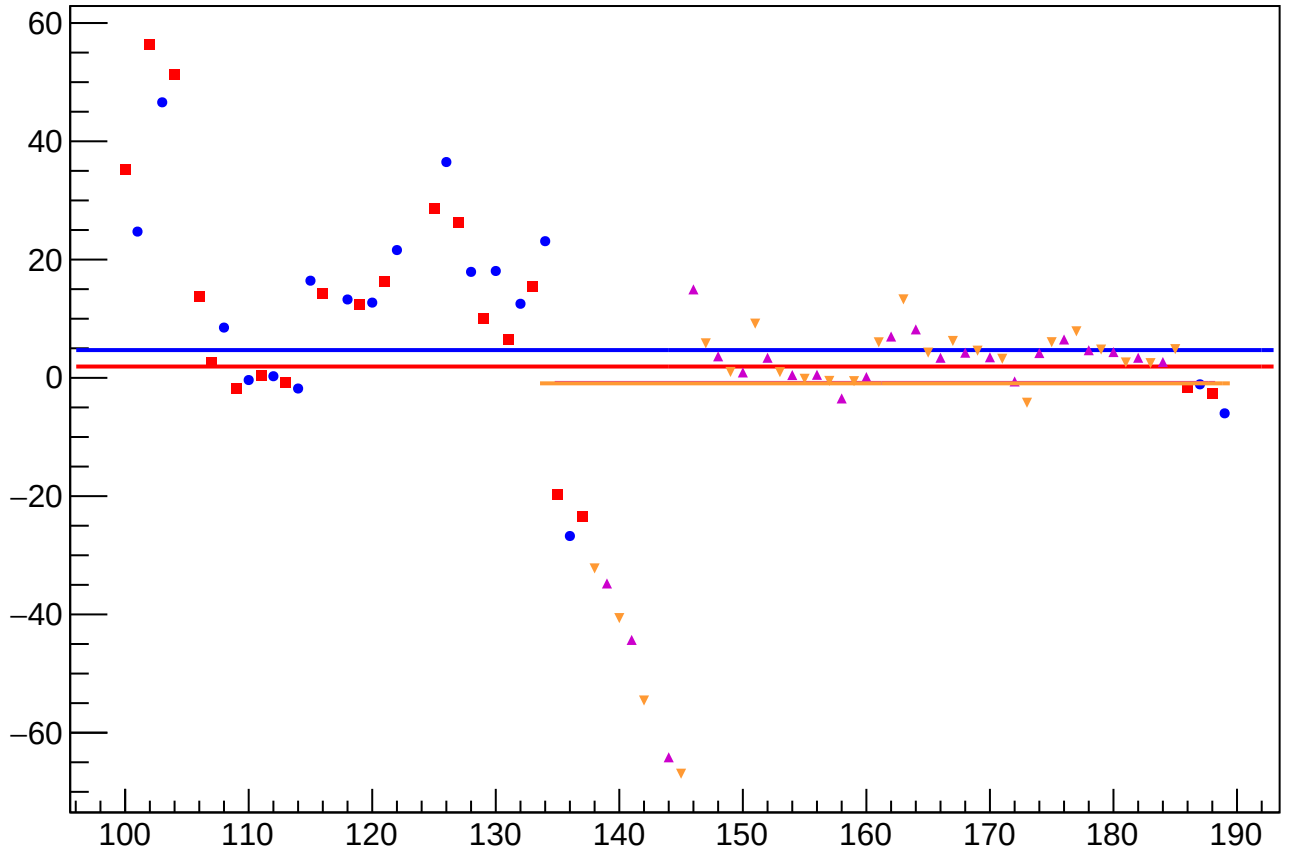
Right Out: 0.691+/-0.052 χ^2/NDF: 1789.4/19

Left In: 0.364+/-0.031 χ^2/NDF:7122.4/22

\+ sign 0.742+/-0.029 χ^2/NDF: 7421.8/41

All: 0.586+/-0.020 χ^2/NDF: 16417.2/84

\- sign 0.451+/-0.027 χ^2/NDF: 8940.7/42



Right In: 4.697+/-0.059 χ^2/NDF: 75319.6/17

Left Out: -0.927+/-0.041 χ^2/NDF:126360.1/23

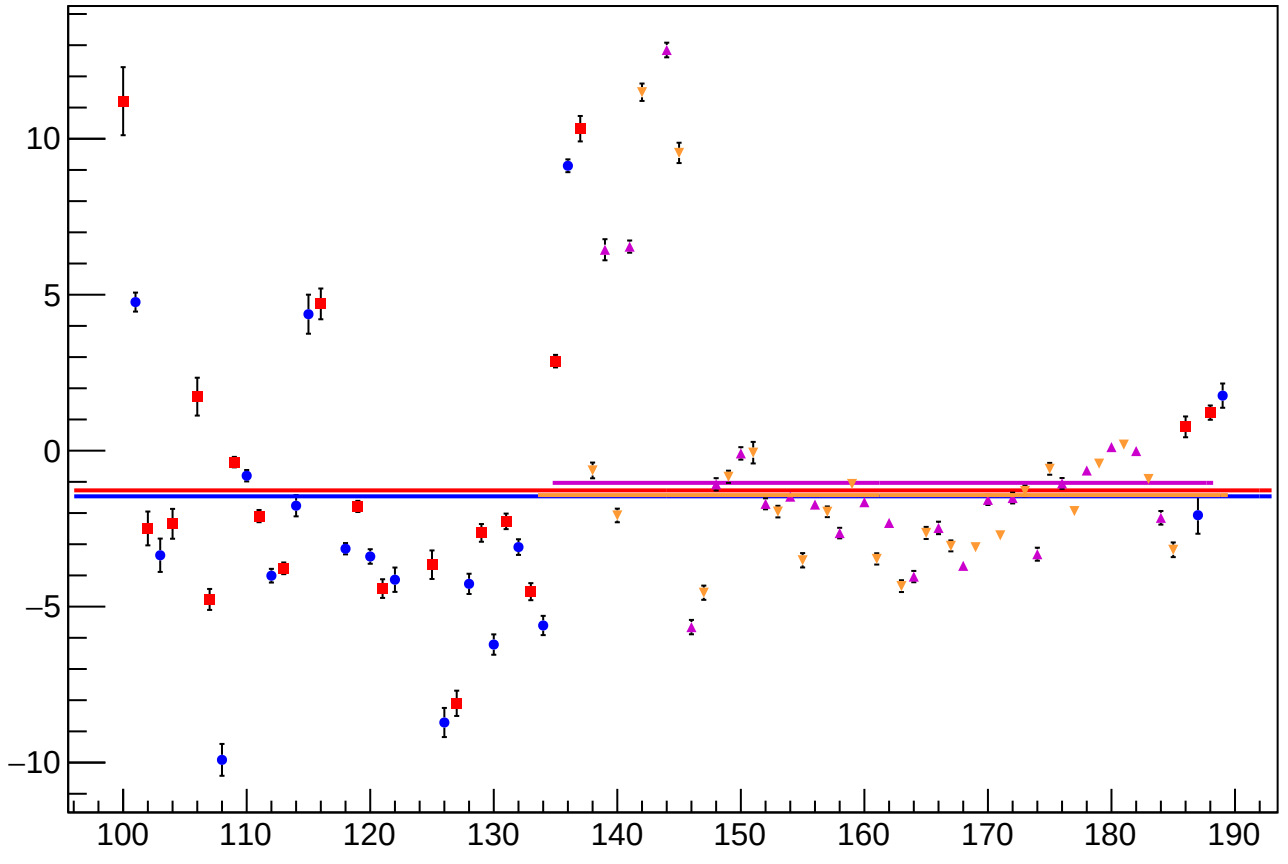
Right Out: 1.916+/-0.046 χ^2/NDF: 79990.3/19

Left In: -0.858+/-0.039 χ^2/NDF:129490.8/22

\+ sign 0.874+/-0.033 χ^2/NDF: 207855.3/41

All: 0.561+/-0.022 χ^2/NDF: 419602.9/84

\- sign 0.311+/-0.030 χ^2/NDF: 211589.2/42



Right In: -1.464+/-0.068 χ^2/NDF: 4614.8/17

Left Out: -1.425+/-0.037 χ^2/NDF:4639.6/23

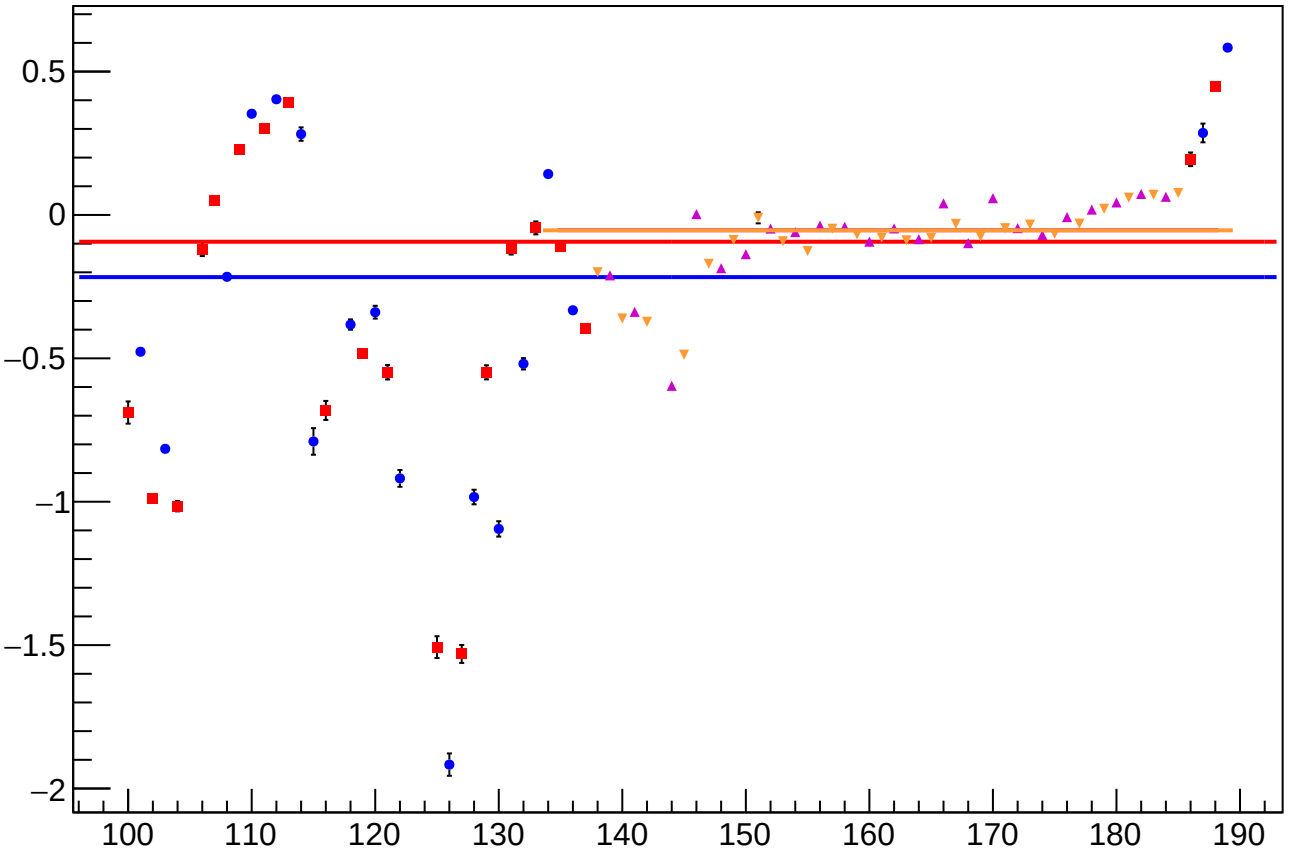
Right Out: -1.273+/-0.061 χ^2/NDF: 2643.7/19

Left In: -1.032+/-0.035 χ^2/NDF:7051.3/22

+ sign -1.434+/-0.032 χ^2/NDF: 9254.6/41

All: -1.251+/-0.022 χ^2/NDF: 19021.7/84

- sign -1.091+/-0.030 χ^2/NDF: 9706.7/42



Right In: -0.217+/-0.004 χ^2/NDF: 14631.2/17

Left Out: -0.054+/-0.002 χ^2/NDF:4341.2/23

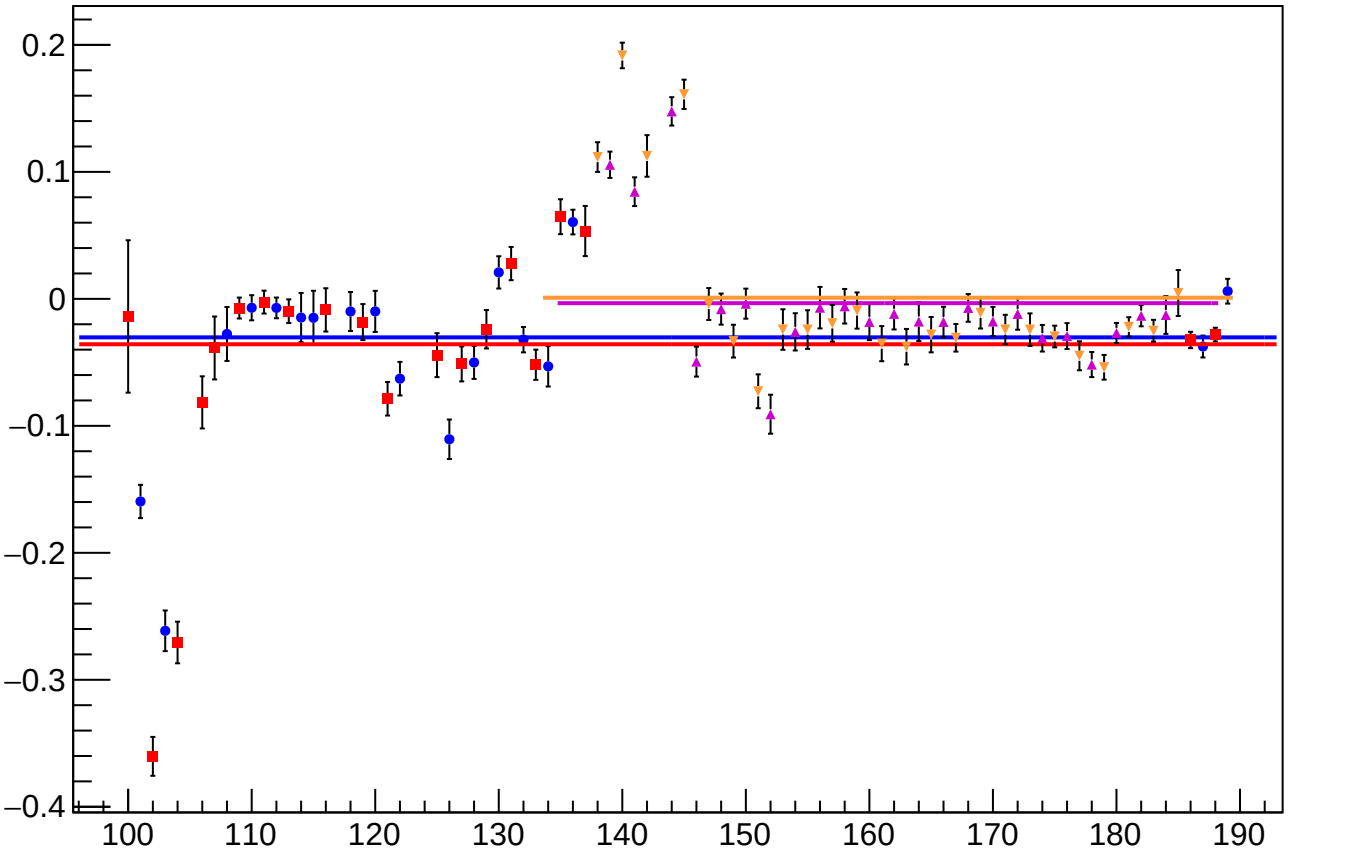
Right Out: -0.093+/-0.004 χ^2/NDF: 17553.9/19

Left In: -0.053+/-0.001 χ^2/NDF:5013.3/22

+ sign -0.076+/-0.001 χ^2/NDF: 20411.9/41

All: -0.067+/-0.001 χ^2/NDF: 43158.0/84

- sign -0.059+/-0.001 χ^2/NDF: 22676.0/42



Right In: -0.030+/-0.003 χ^2/NDF: 479.0/17

Left Out: 0.001+/-0.002 χ^2/NDF:849.7/23

Right Out: -0.036+/-0.003 χ^2/NDF: 811.0/19

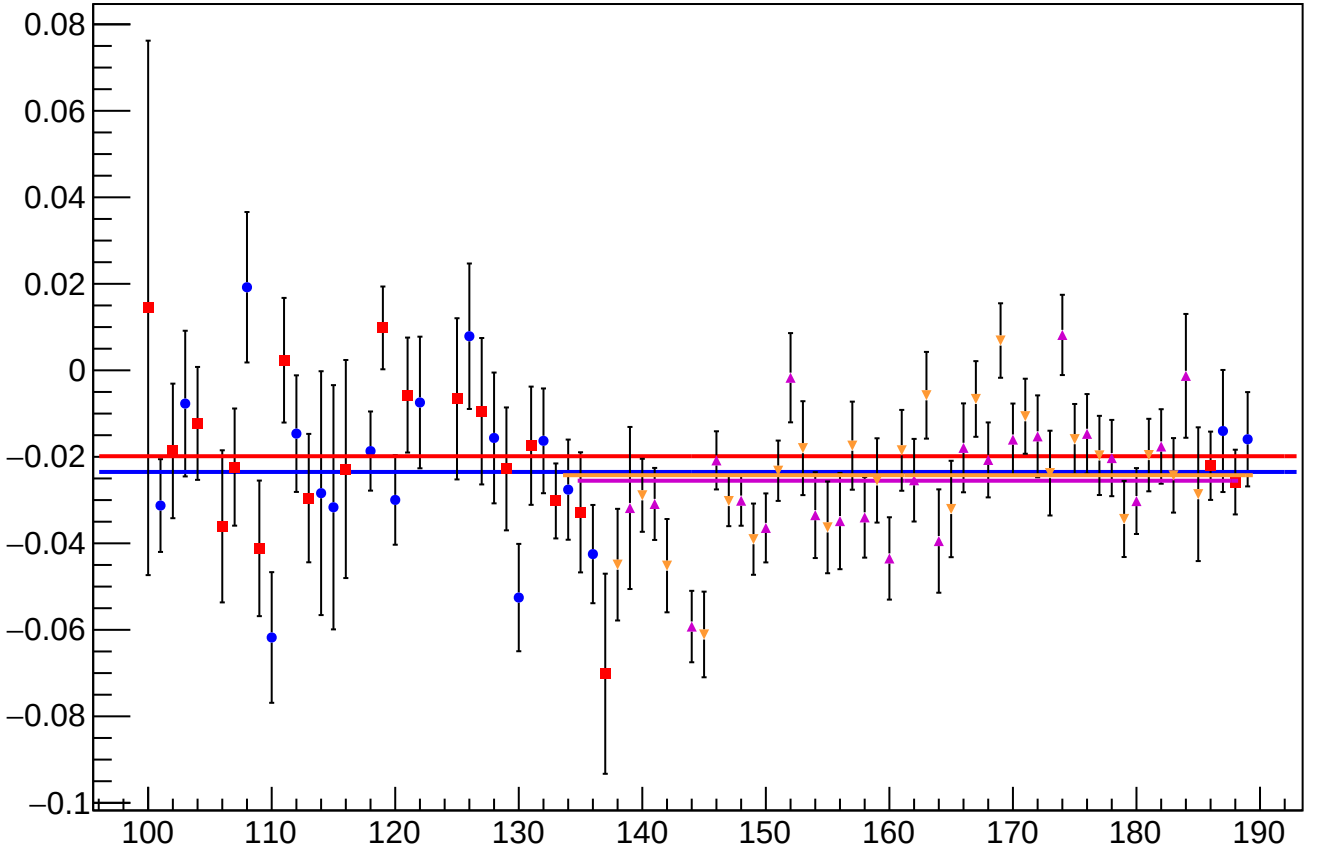
Left In: -0.003+/-0.002 χ^2/NDF:457.9/22

+ sign -0.012+/-0.002 χ^2/NDF: 1398.2/41

All: -0.016+/-0.001 χ^2/NDF: 2760.9/84

- sign -0.019+/-0.002 χ^2/NDF: 1355.2/42

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs Slug



Right In: -0.023+/-0.003 χ^2/NDF: 29.6/17

Left Out: -0.024+/-0.002 χ^2/NDF:53.7/23

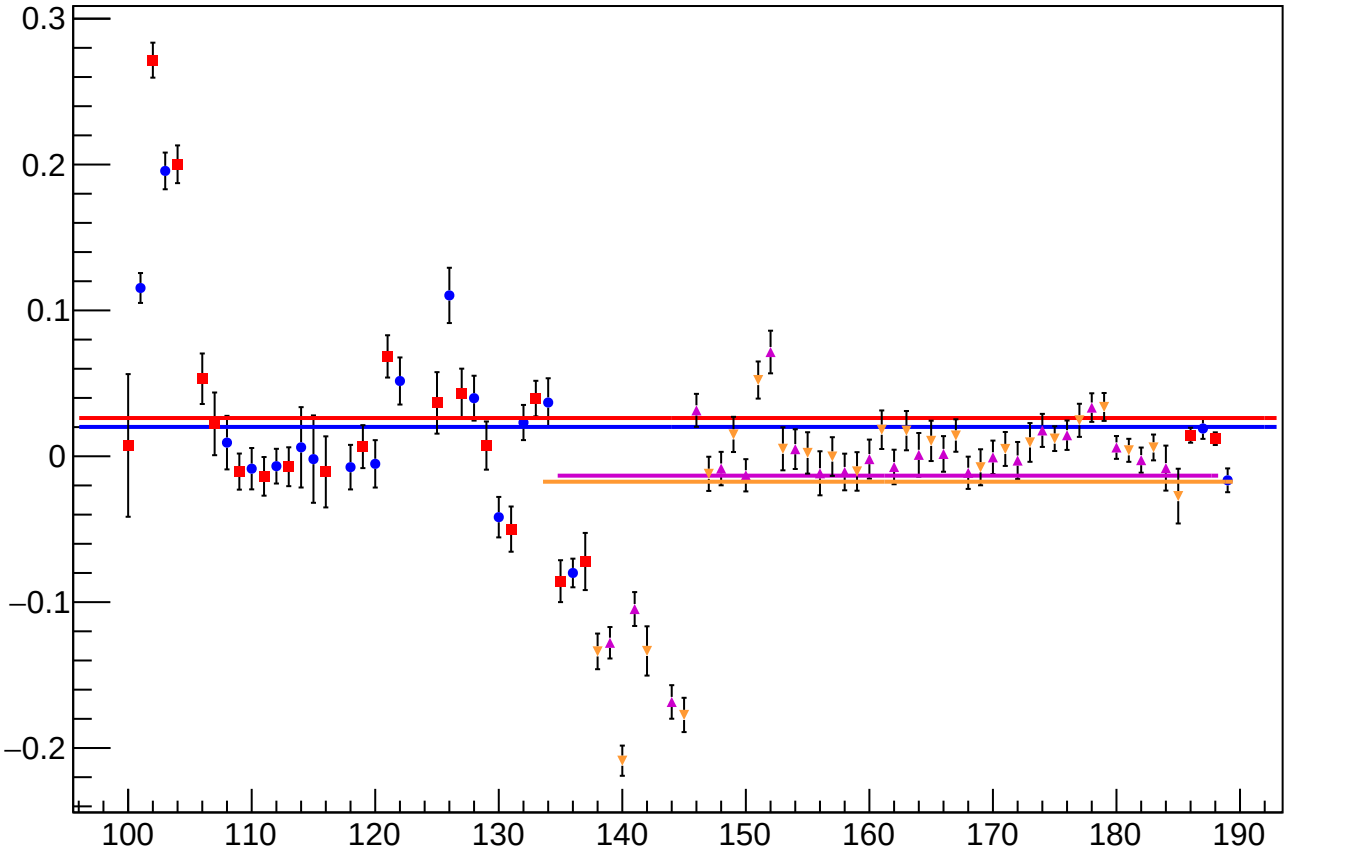
Right Out: -0.020+/-0.003 χ^2/NDF: 25.6/19

Left In: -0.026+/-0.002 χ^2/NDF:55.0/22

+ sign -0.024+/-0.002 χ^2/NDF: 83.4/41

All: -0.024+/-0.001 χ^2/NDF: 166.8/84

- sign -0.024+/-0.002 χ^2/NDF: 83.4/42



Right In: 0.020+/-0.003 χ^2/NDF: 470.3/17

Left Out: -0.017+/-0.002 χ^2/NDF:812.1/23

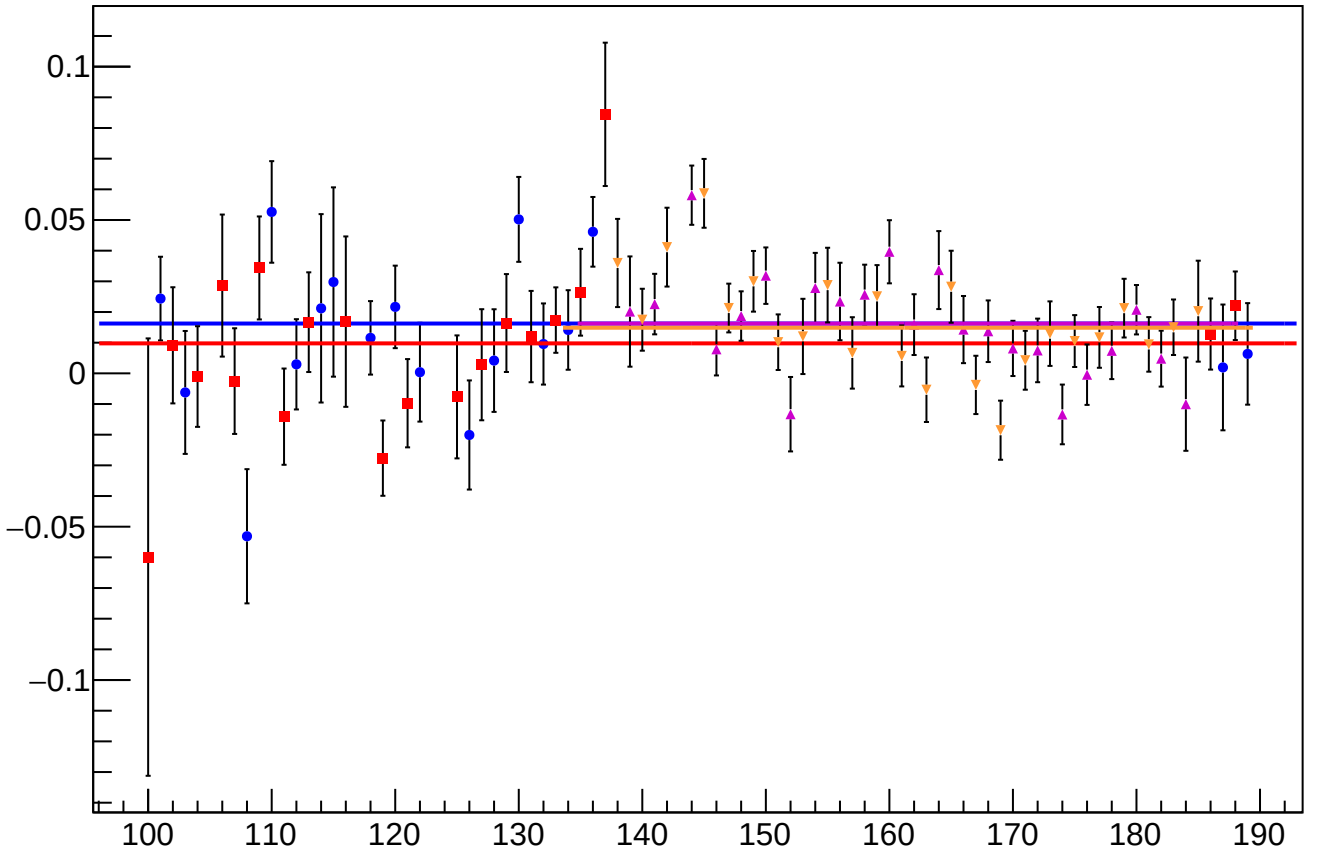
Right Out: 0.026+/-0.002 χ^2/NDF: 768.1/19

Left In: -0.013+/-0.002 χ^2/NDF:458.6/22

+ sign -0.003+/-0.002 χ^2/NDF: 1379.7/41

All: 0.002+/-0.001 χ^2/NDF: 2751.8/84

- sign 0.006+/-0.002 χ^2/NDF: 1360.3/42



Right In: 0.016+/-0.004 χ^2/NDF: 37.6/17

Left Out: 0.015+/-0.002 χ^2/NDF:52.1/23

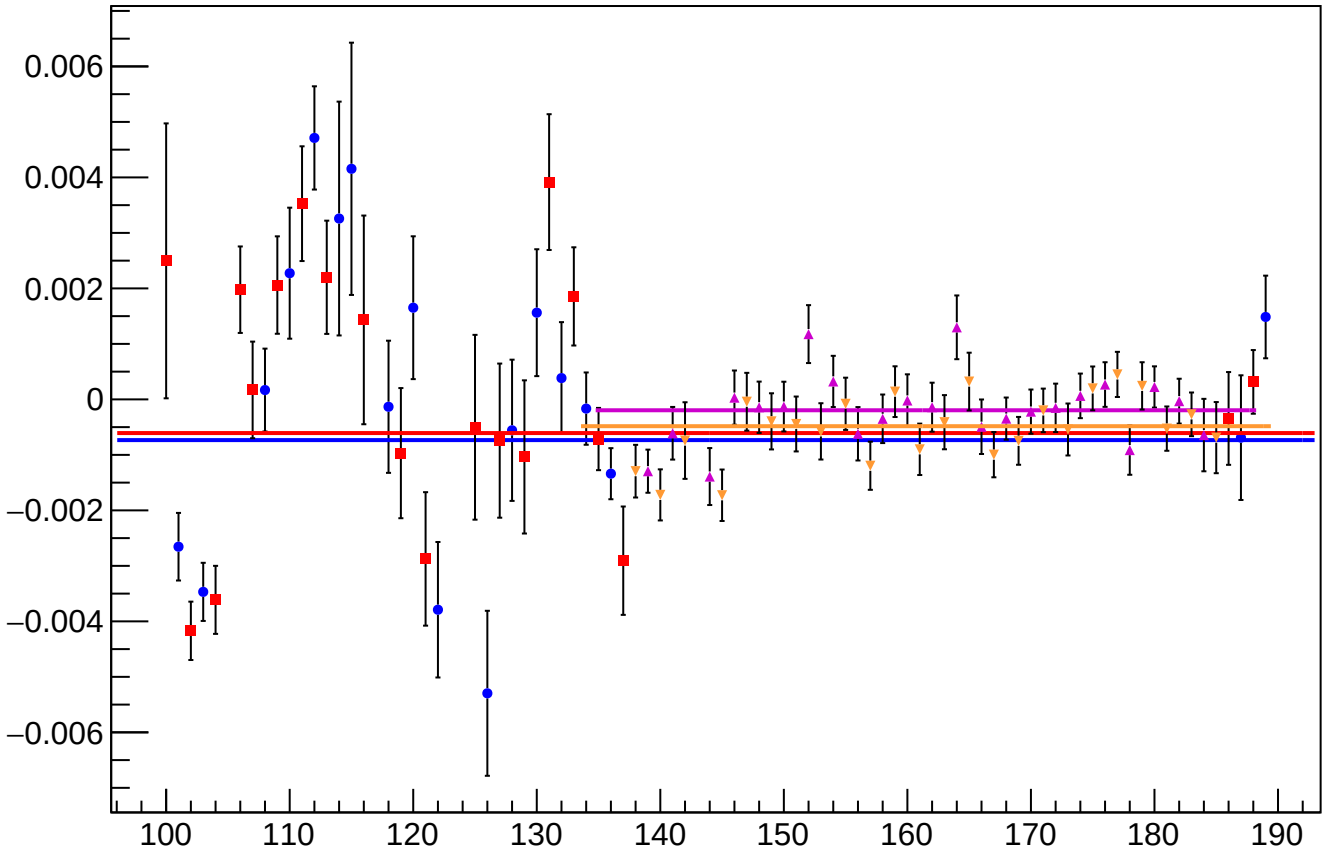
Right Out: 0.010+/-0.004 χ^2/NDF: 32.9/19

Left In: 0.016+/-0.002 χ^2/NDF:58.0/22

+ sign 0.015+/-0.002 χ^2/NDF: 89.7/41

All: 0.015+/-0.001 χ^2/NDF: 183.2/84

- sign 0.015+/-0.002 χ^2/NDF: 93.3/42



Right In: -0.001+/-0.000 χ^2/NDF: 123.7/17

Left Out: -0.000+/-0.000 χ^2/NDF:40.8/23

Right Out: -0.001+/-0.000 χ^2/NDF: 150.7/19

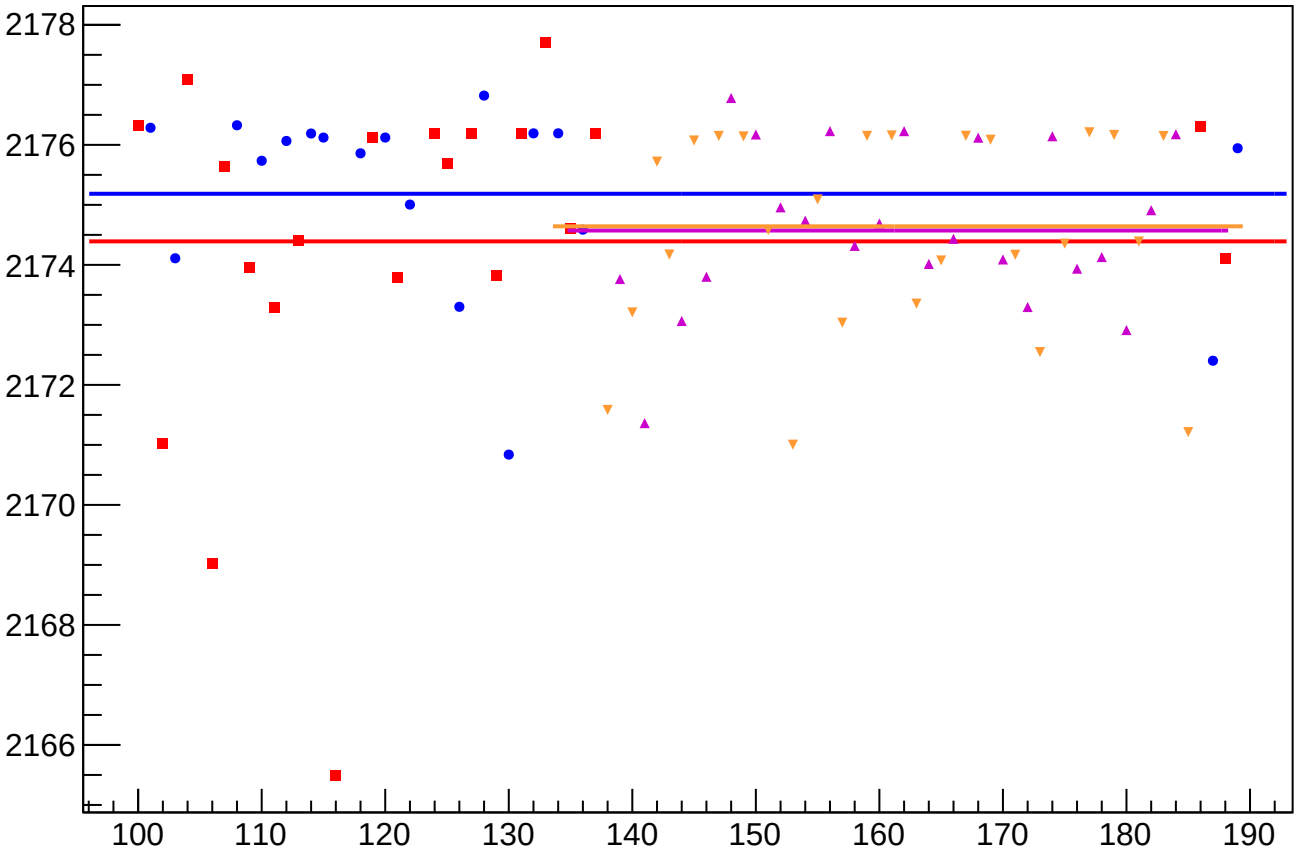
Left In: -0.000+/-0.000 χ^2/NDF:37.2/22

+ sign -0.001+/-0.000 χ^2/NDF: 165.8/41

All: -0.000+/-0.000 χ^2/NDF: 361.9/84

- sign -0.000+/-0.000 χ^2/NDF: 191.6/42

HALLA_p_mean vs Slug



Right In: 2175.185+/-0.000 χ^2/NDF: 19440907985340215770187950729461760/17

Left Out: 2174.643+/-0.000 χ^2/NDF:52116844463194421571996575984517120/24

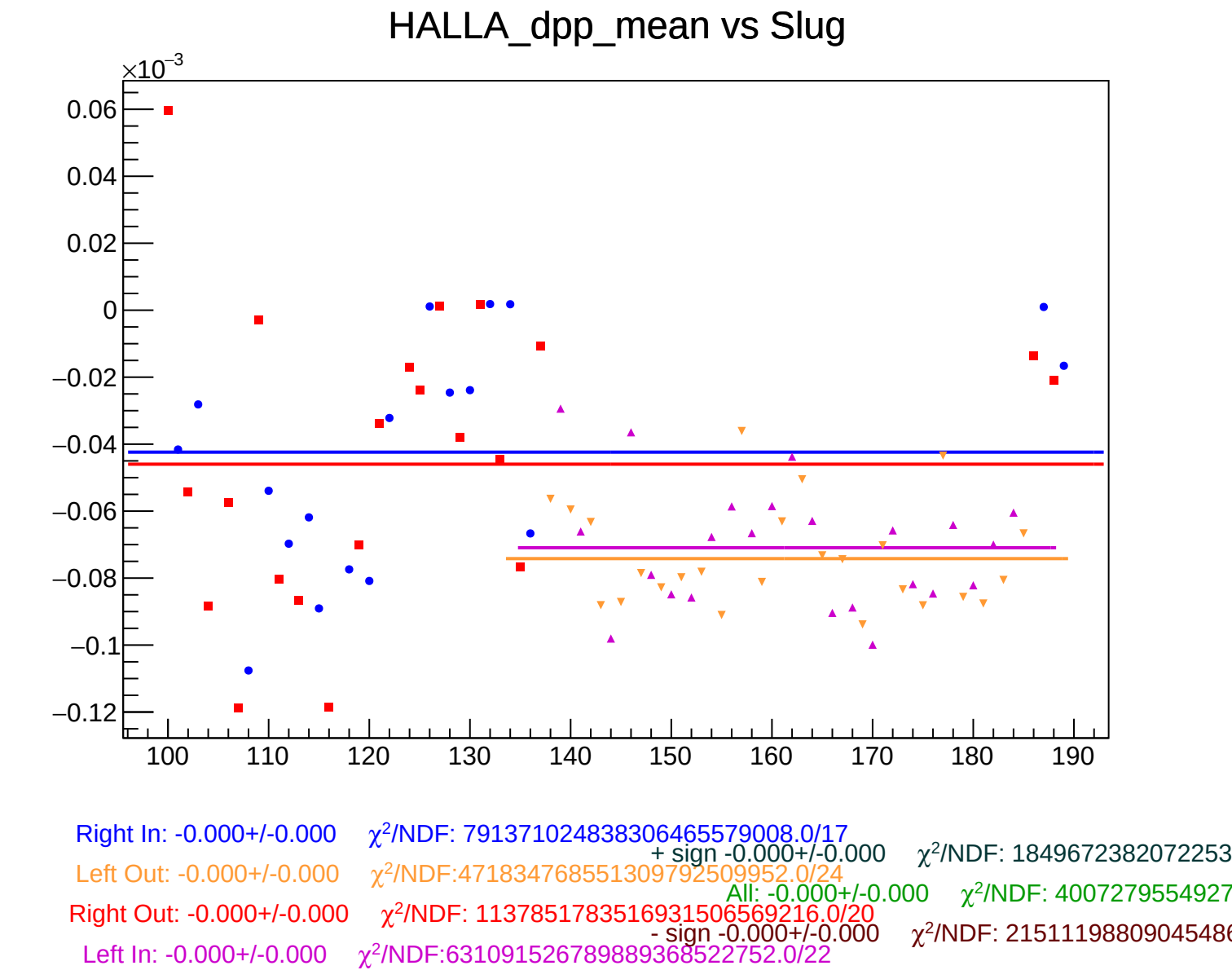
Right Out: 2174.392+/-0.000 χ^2/NDF: 57082692105556374847098312248524800/20

Left In: 2174.573+/-0.000 χ^2/NDF:34312670977938388457288638157291520/22

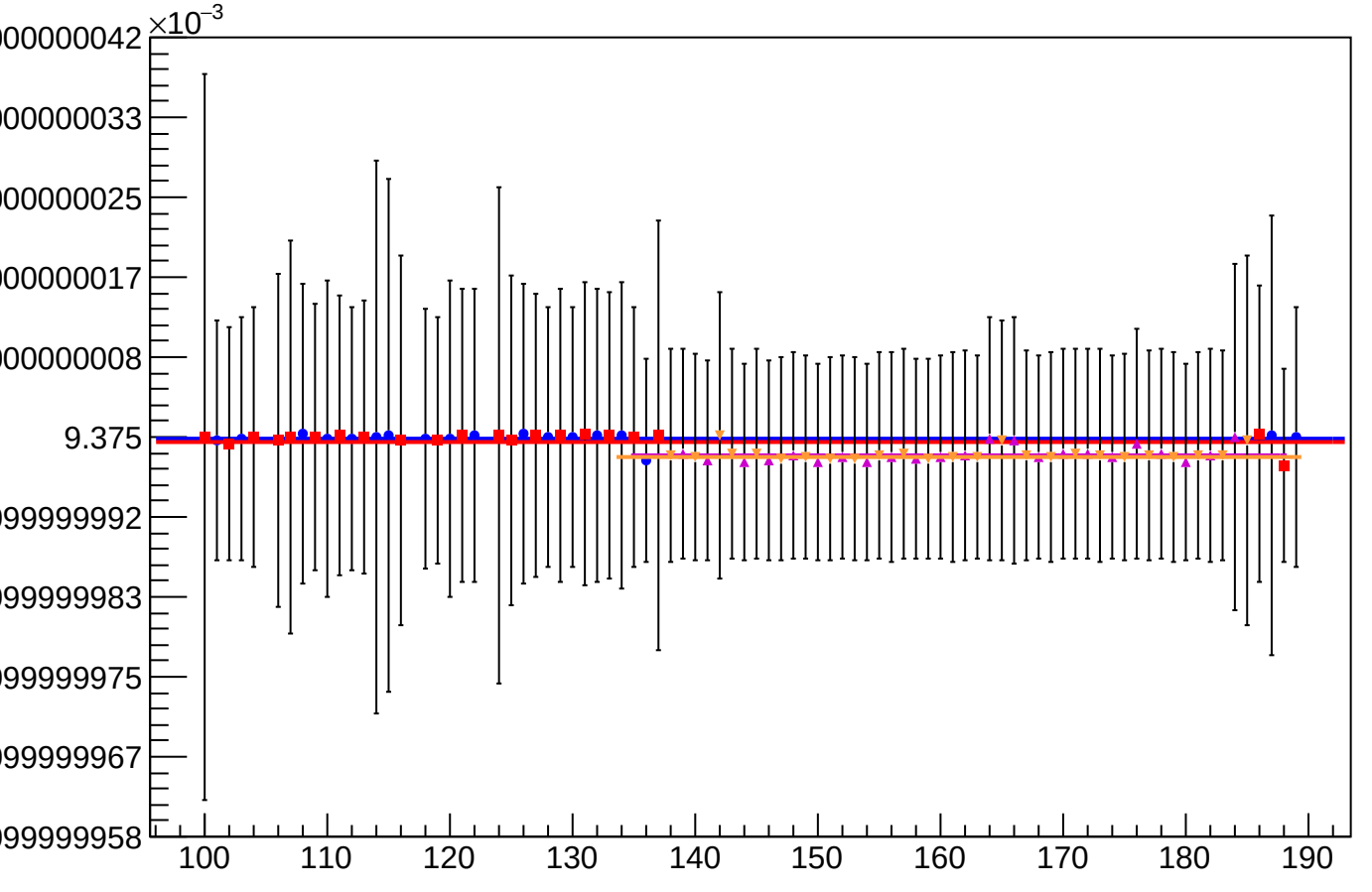
+ sign 2174.798+/-0.000 χ^2/NDF: 7326414638394

All: 2174.657+/-0.000 χ^2/NDF: 1659985712

- sign 2174.514+/-0.000 χ^2/NDF: 91596802349776


HALLA_dpp_mean vs Slug
×10^−3
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 7913710248383064655790080.0/17
Left Out: -0.000+/-0.000 χ²/NDF:4718347685513097925099520.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 1137851783516931506569216.0/20
Left In: -0.000+/-0.000 χ²/NDF:631091526789889368522752.0/22
+ sign -0.000+/-0.000 χ²/NDF: 1849672382072253
All: -0.000+/-0.000 χ²/NDF: 4007279554927
- sign -0.000+/-0.000 χ²/NDF: 21511198809045486

MQ171LM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/17

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.1/20

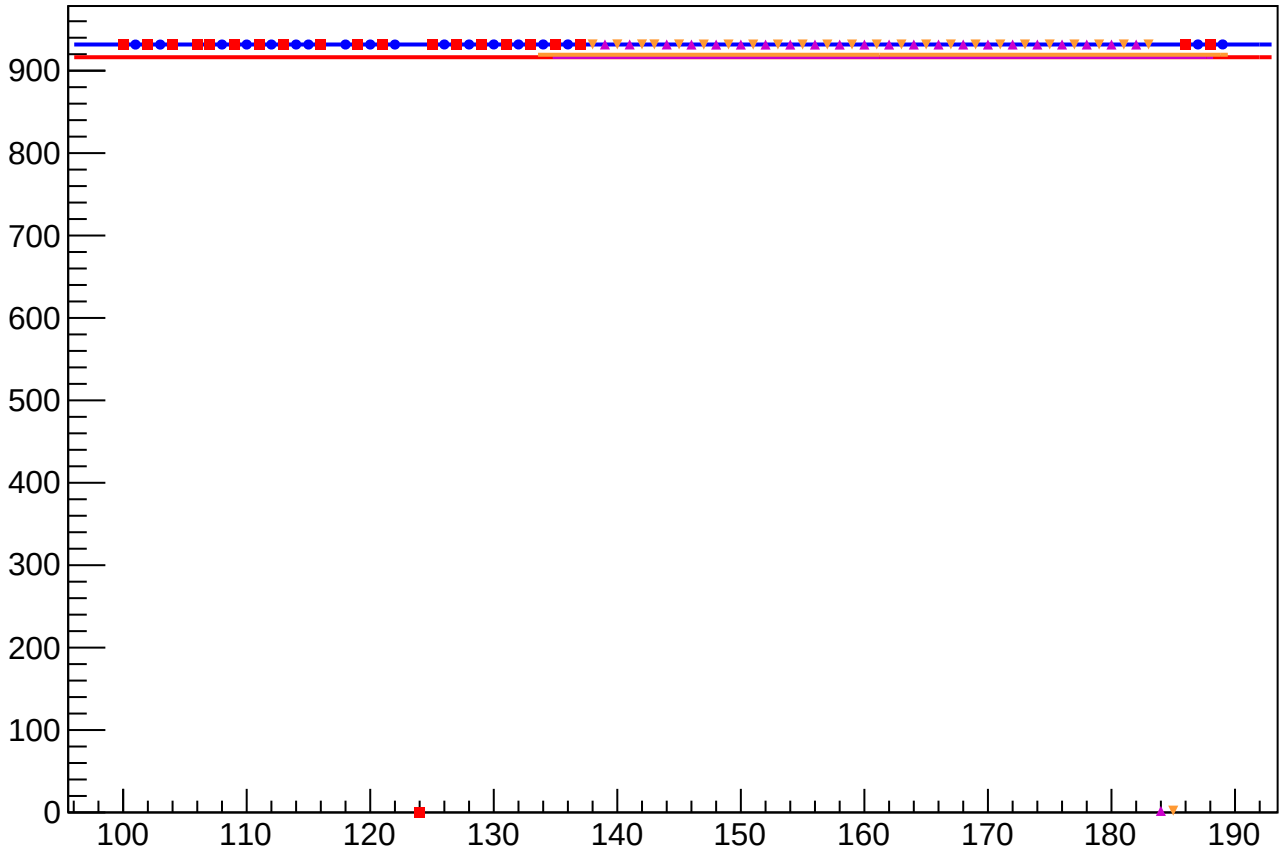
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/42

All: 0.009+/-0.000 χ^2/NDF: 0.6/86

- sign 0.009+/-0.000 χ^2/NDF: 0.3/43

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 931.776+/-0.000 χ^2/NDF: 3142671202643525494267176812544.0/17

+ sign 922.920+/-0.000 χ^2/NDF: 231107231580636

Left Out: 919.347+/-0.000 χ^2/NDF:230211234962152806190415261330812243648.0/24

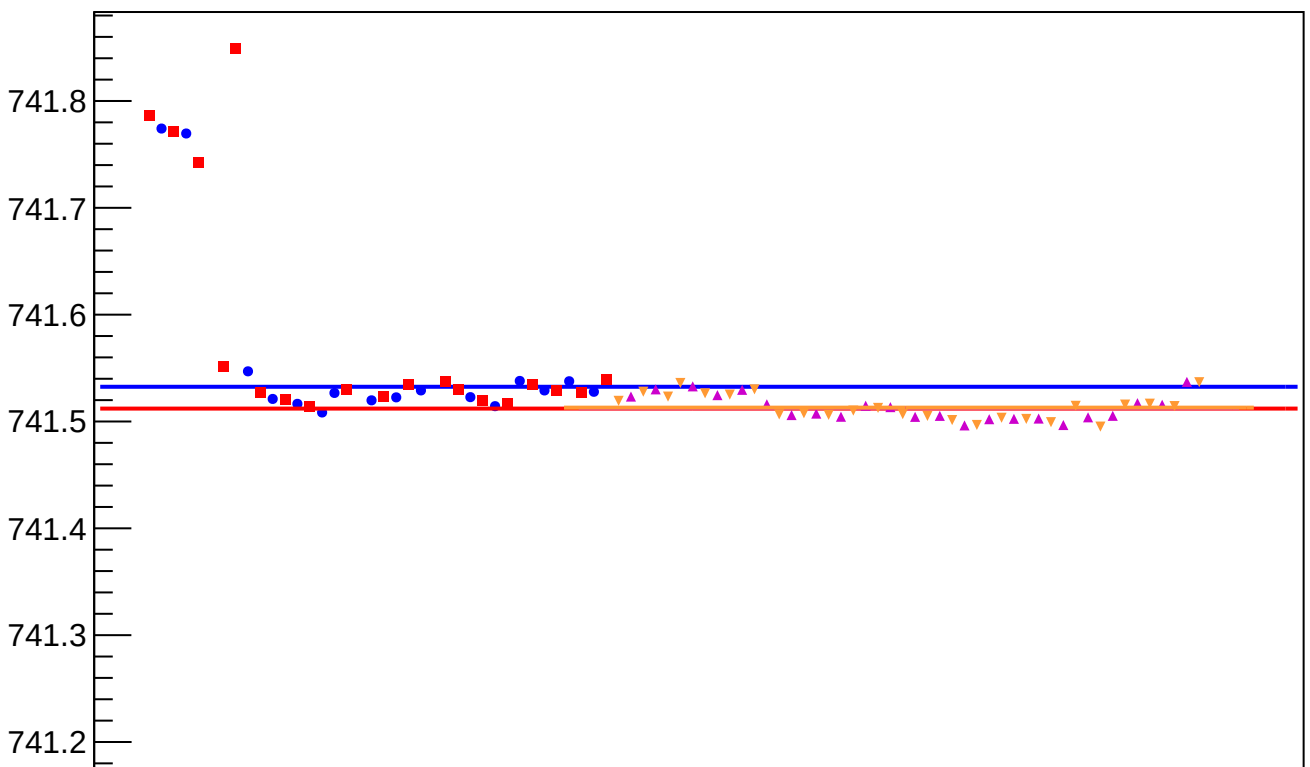
All: 919.747+/-0.000 χ^2/NDF: 623441493512

Right Out: 916.334+/-0.000 χ^2/NDF: 1280639838157783790353640081501401907 2.0/20

- sign 916.551+/-0.000 χ^2/NDF: 391762064296780

Left In: 916.654+/-0.000 χ^2/NDF:263697449311835480737856648421855723 52.0/22

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.532+/-0.000 χ^2/NDF: 1735510079214419870478177298022 4.0/17

Left Out: 741.513+/-0.000 χ^2/NDF:25197631076812629623188960051 2.0/24

Right Out: 741.512+/-0.000 χ^2/NDF: 2803532256773596215195553339801 6.0/20

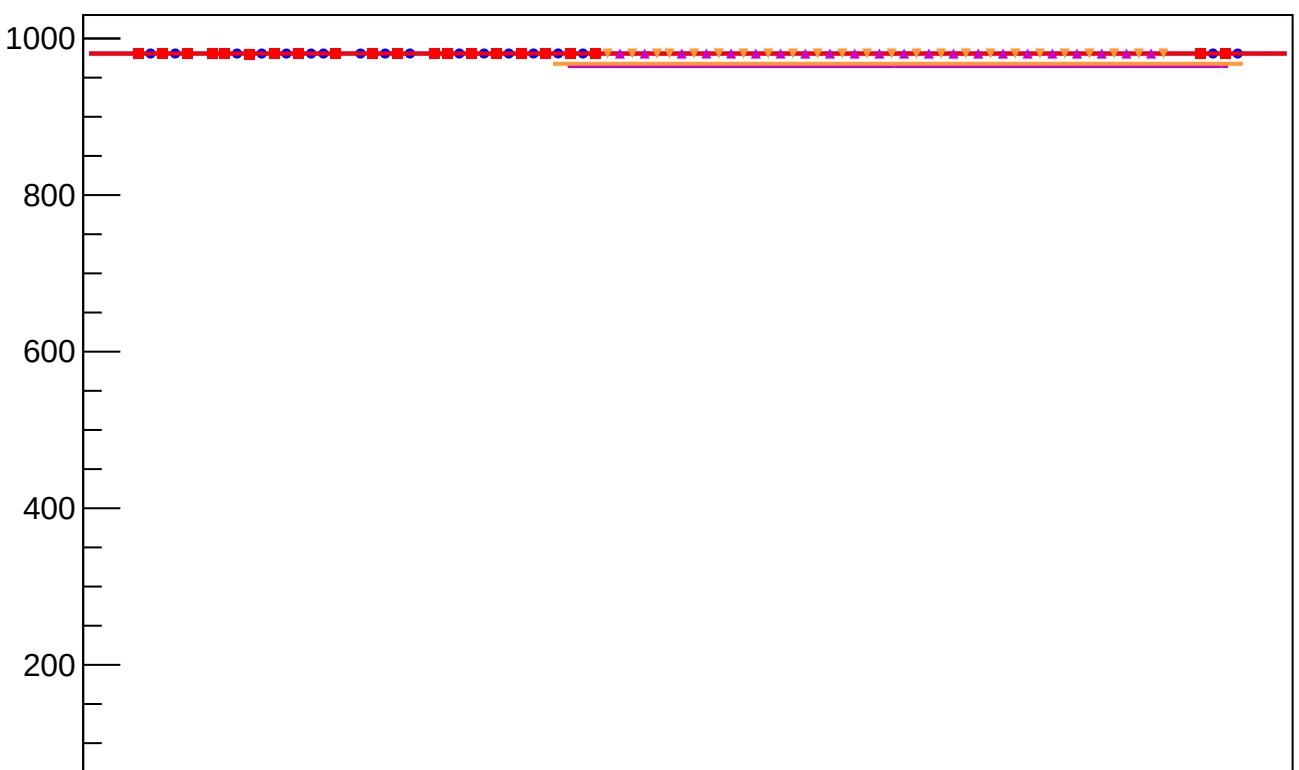
Left In: 741.513+/-0.000 χ^2/NDF:2347039830300854231858958827 52.0/22

+ sign 741.519+/-0.000 χ^2/NDF: 178284050674226

All: 741.516+/-0.000 χ^2/NDF: 4615218318 26

- sign 741.512+/-0.000 χ^2/NDF: 282701761418949

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.804+/-0.000 χ^2/NDF: 9361004609292016273358543912960/17

+ sign 971.450+/-0.000 χ^2/NDF: 256051072237110

Left Out: 967.677+/-0.000 χ^2/NDF:2550515560327992564154129577963369267 2.0/24

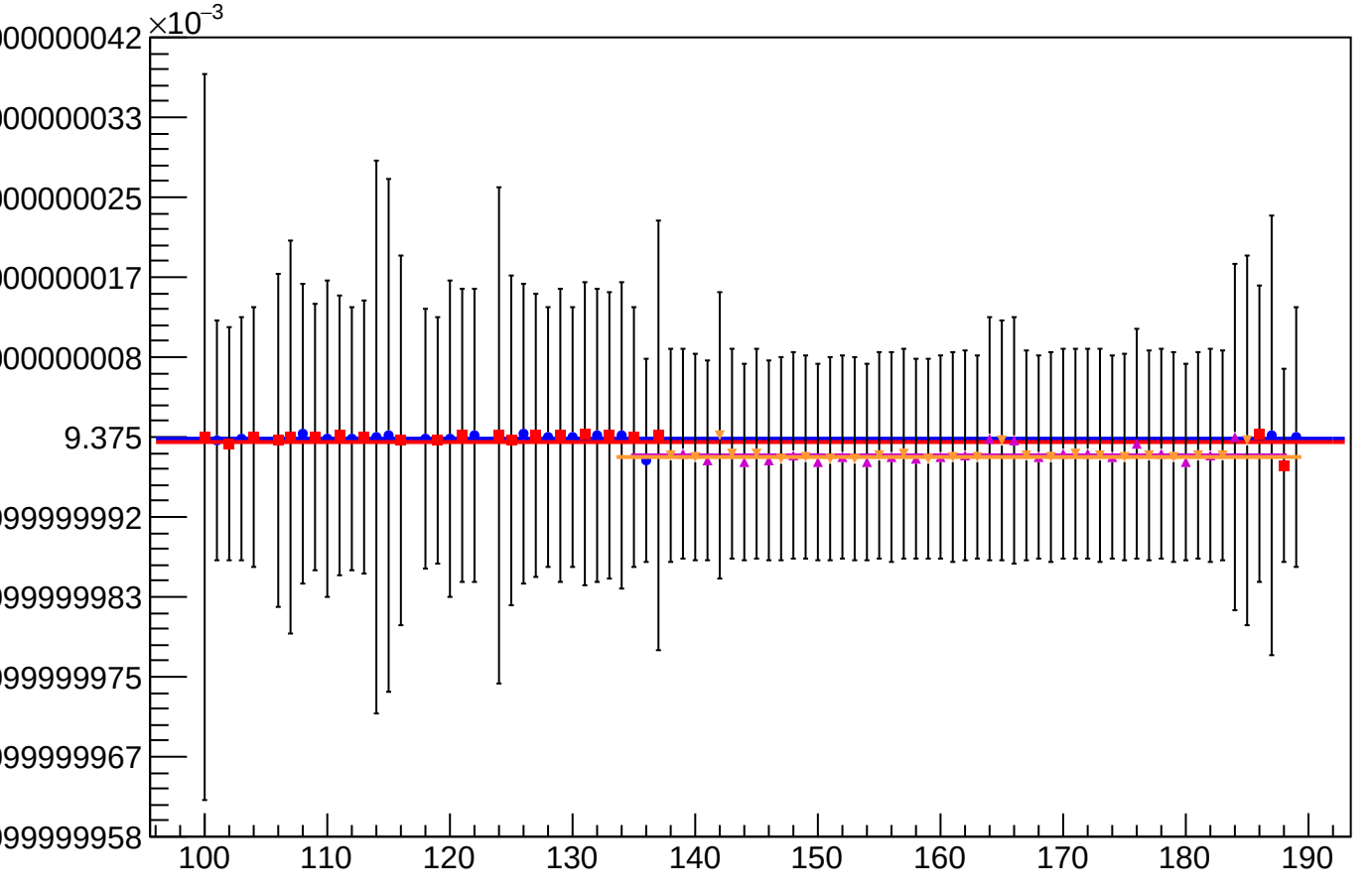
All: 970.715+/-0.000 χ^2/NDF: 54979273675

Right Out: 980.757+/-0.000 χ^2/NDF: 6163263749204714166357262860288 0.0/20

- sign 969.974+/-0.000 χ^2/NDF: 293710943307441

Left In: 964.854+/-0.000 χ^2/NDF:2921583896010307878411284562824501657 6.0/22

MQ172RM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/17

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.1/20

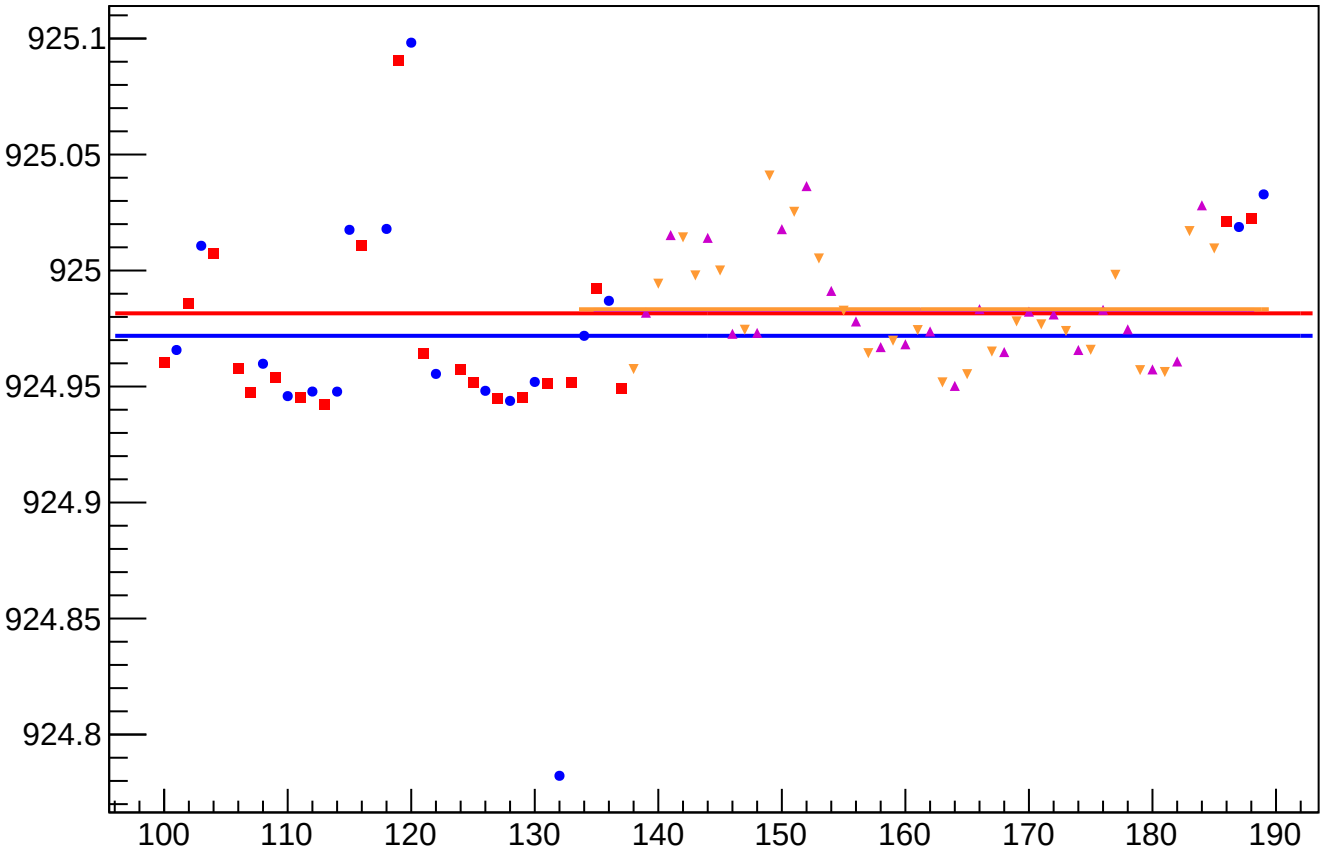
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/42

All: 0.009+/-0.000 χ^2/NDF: 0.6/86

- sign 0.009+/-0.000 χ^2/NDF: 0.3/43

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.972+/-0.000 χ^2/NDF: 2810458903902001143901545562112.0/17

Left Out: 924.983+/-0.000 χ^2/NDF:1161112698344246137667167715328.0/24

Right Out: 924.982+/-0.000 χ^2/NDF: 151613864776108157946391062118 4.0/20

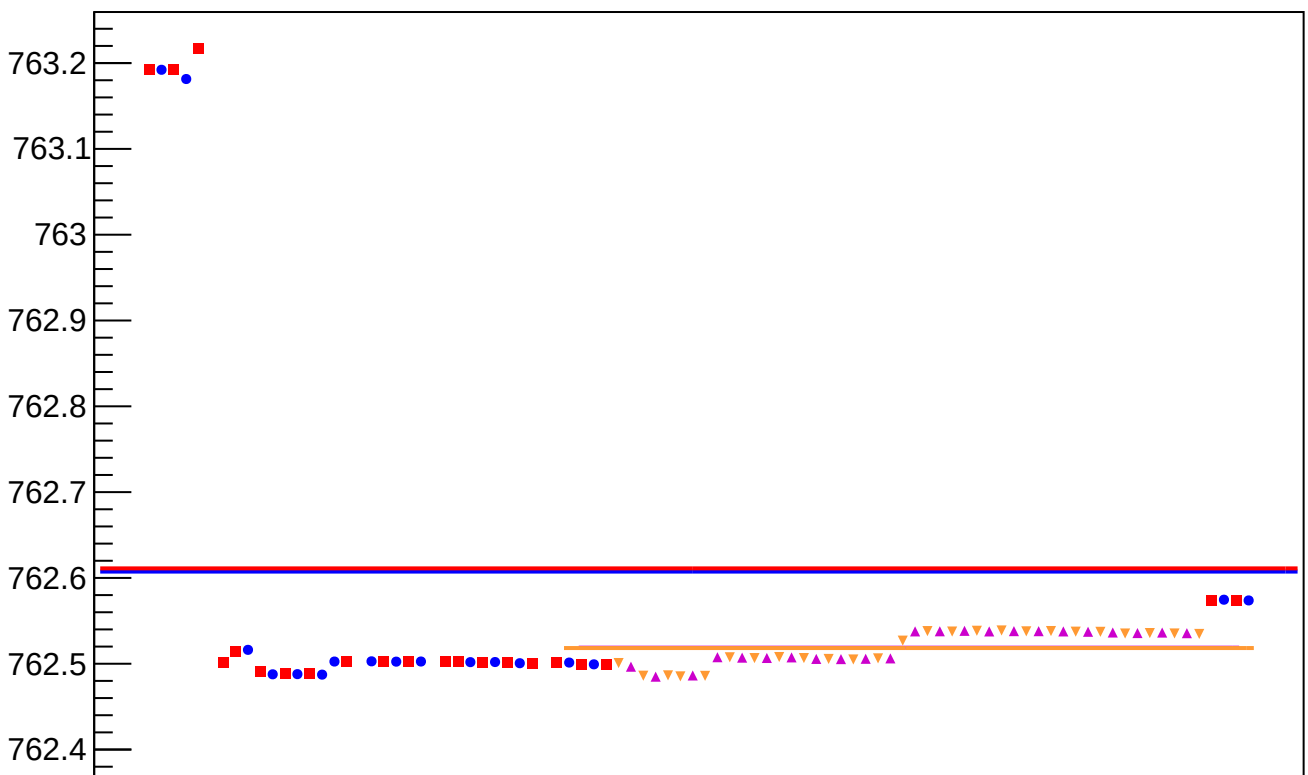
Left In: 924.983+/-0.000 χ^2/NDF:928270307181587701368348475392.0/22

+ sign 924.980+/-0.000 χ^2/NDF: 404762167509660

All: 924.981+/-0.000 χ^2/NDF: 650231109206

- sign 924.983+/-0.000 χ^2/NDF: 244571713057139

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.607+/-0.000 χ^2/NDF: 5225093377899511747544080606822 4.0/17

Left Out: 762.518+/-0.000 χ^2/NDF:767703709161817083348479115264.0/24

Right Out: 762.611+/-0.000 χ^2/NDF: 5336689703668051949479715143680 0.0/20

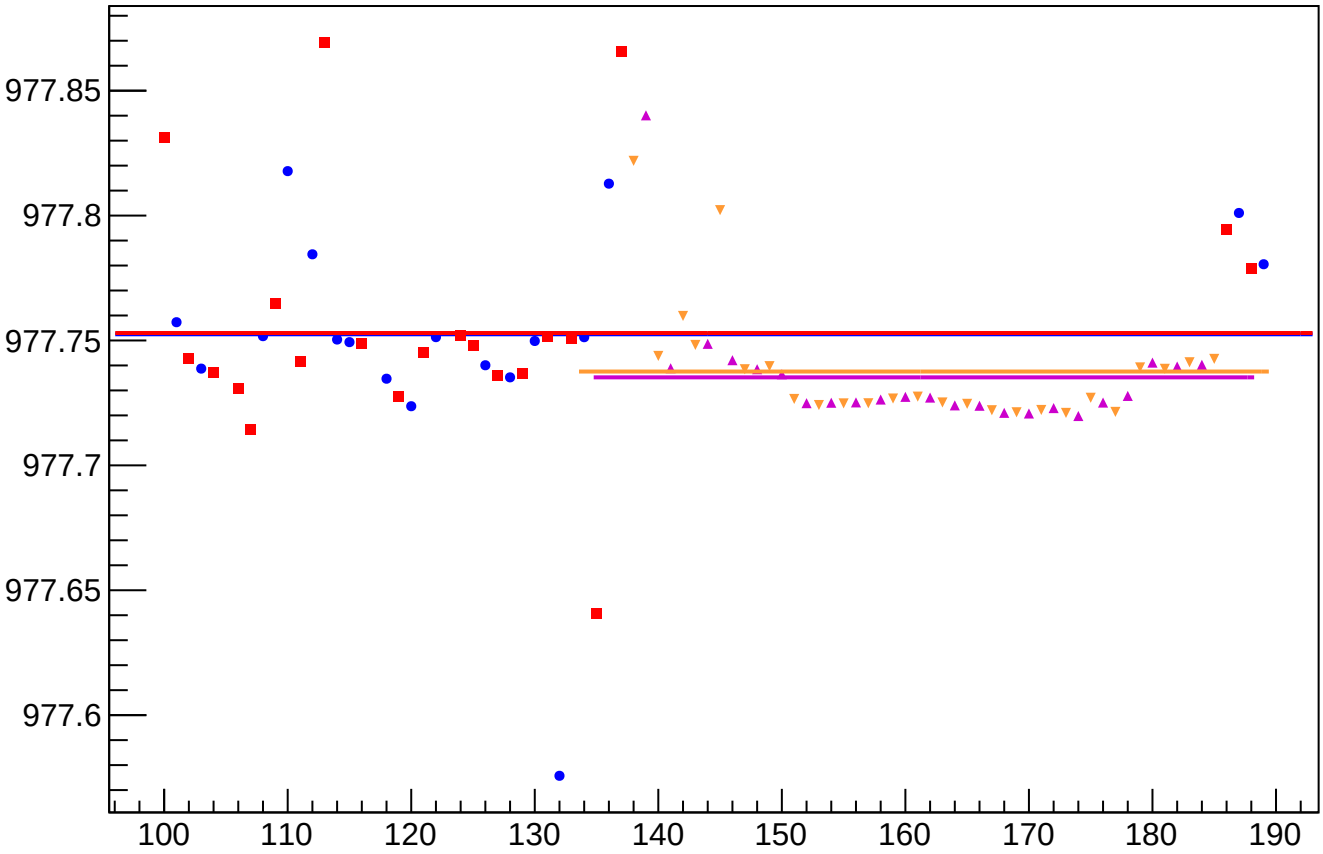
Left In: 762.519+/-0.000 χ^2/NDF:67064753778125939445211961753 6.0/22

+ sign 762.544+/-0.000 χ^2/NDF: 576252111940345

All: 762.546+/-0.000 χ^2/NDF: 1169310607 53

- sign 762.548+/-0.000 χ^2/NDF: 592763212191358

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.752+/-0.000 χ^2/NDF: 2054861935262557094567200423936.0/17

+ sign 977.742+/-0.000 χ^2/NDF: 336235806534906

Left Out: 977.738+/-0.000 χ^2/NDF:1178407872566336572325000904704.0/24

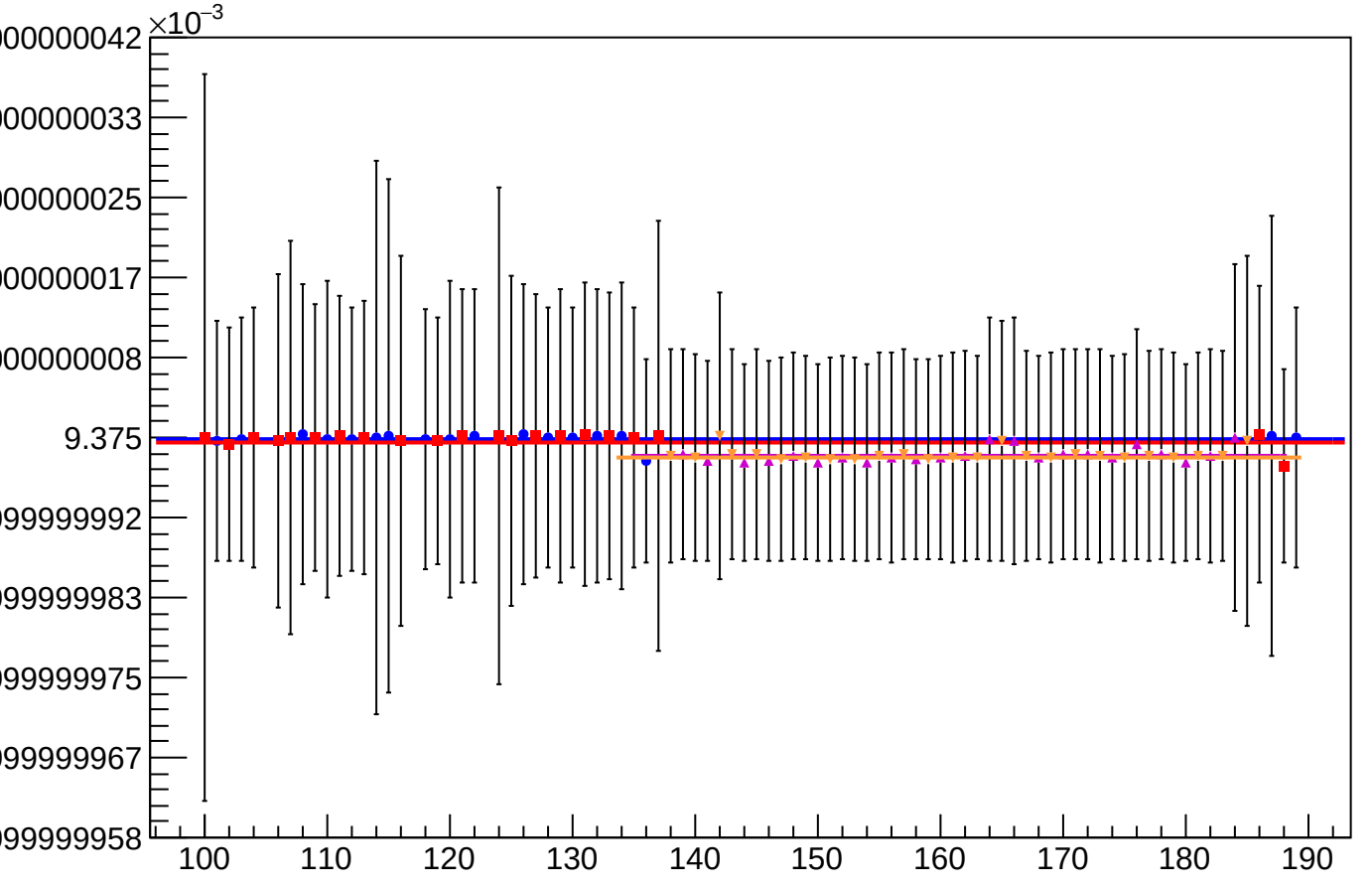
All: 977.741+/-0.000 χ^2/NDF: 660016721436

Right Out: 977.753+/-0.000 χ^2/NDF: 19465007490040243939497297838O8.0/20

- sign 977.741+/-0.000 χ^2/NDF: 323666135808786

Left In: 977.735+/-0.000 χ^2/NDF:109676643760541725462707254O672.0/22

hesDipole_current_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/17

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.1/20

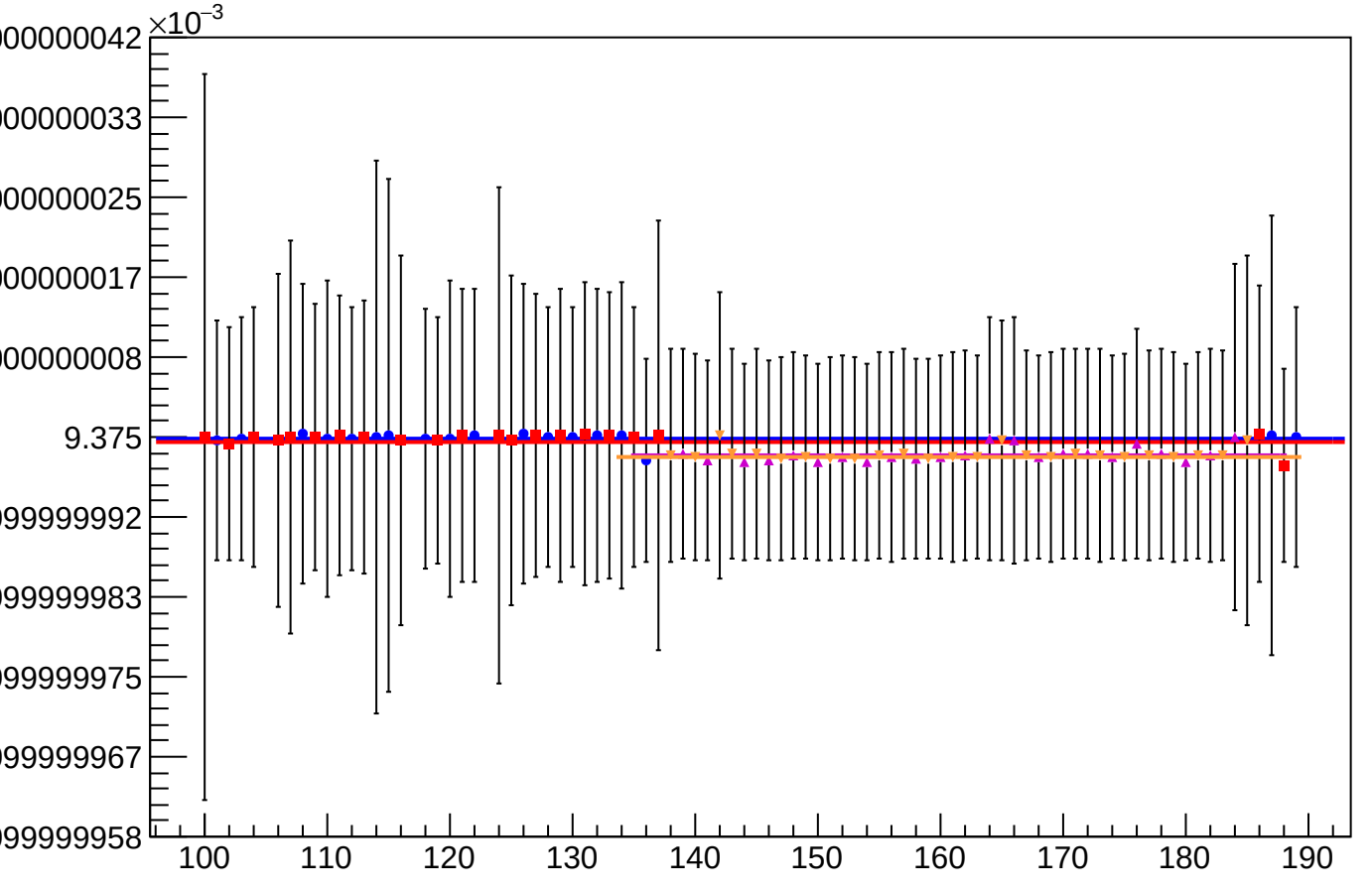
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/42

All: 0.009+/-0.000 χ^2/NDF: 0.6/86

- sign 0.009+/-0.000 χ^2/NDF: 0.3/43

MSUPERBIGBITEreadcalc_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/17

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.1/20

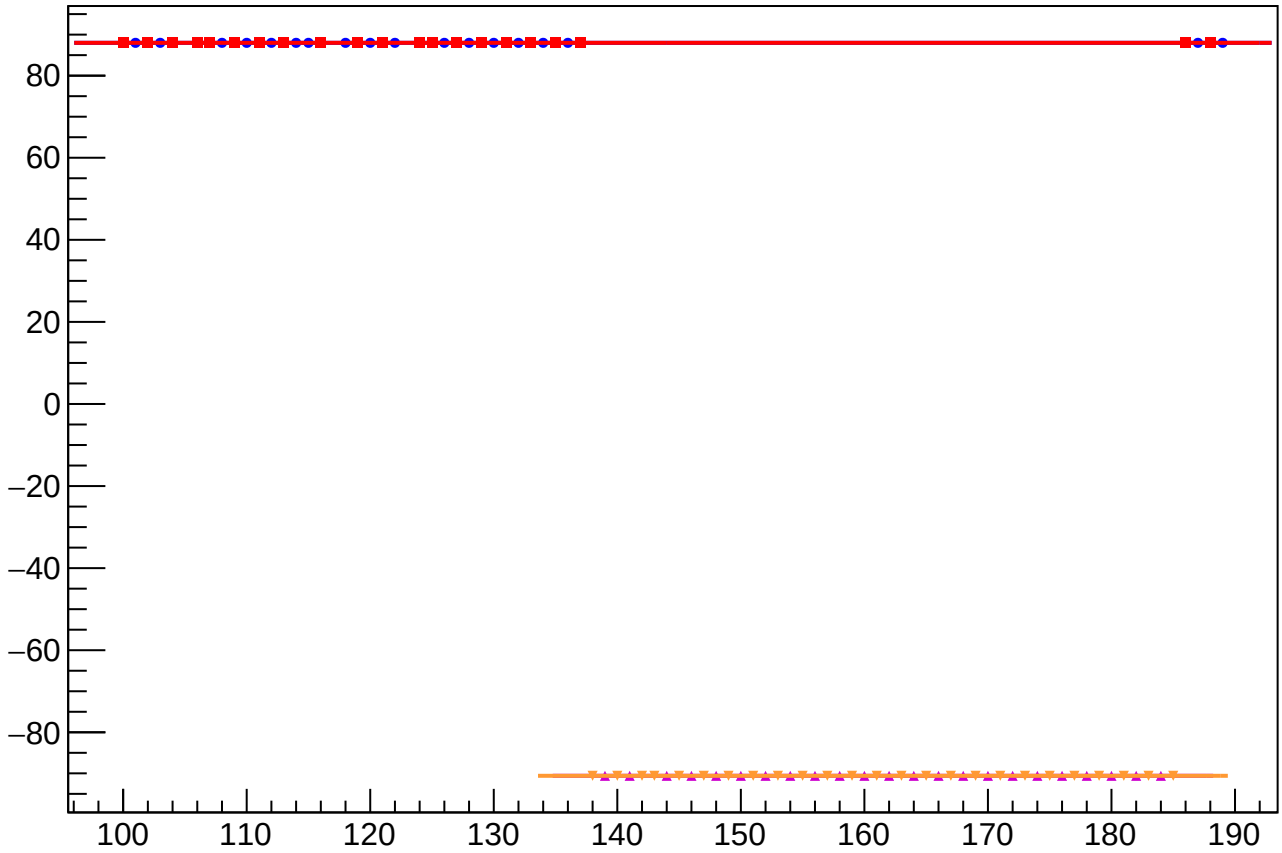
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/42

All: 0.009+/-0.000 χ^2/NDF: 0.6/86

- sign 0.009+/-0.000 χ^2/NDF: 0.3/43

VWienAngle_mean vs Slug



Right In: 88.001+/-0.000 χ^2/NDF: 1613567.6/17

Left Out: -90.599+/-0.000 χ^2/NDF:5219558.1/24

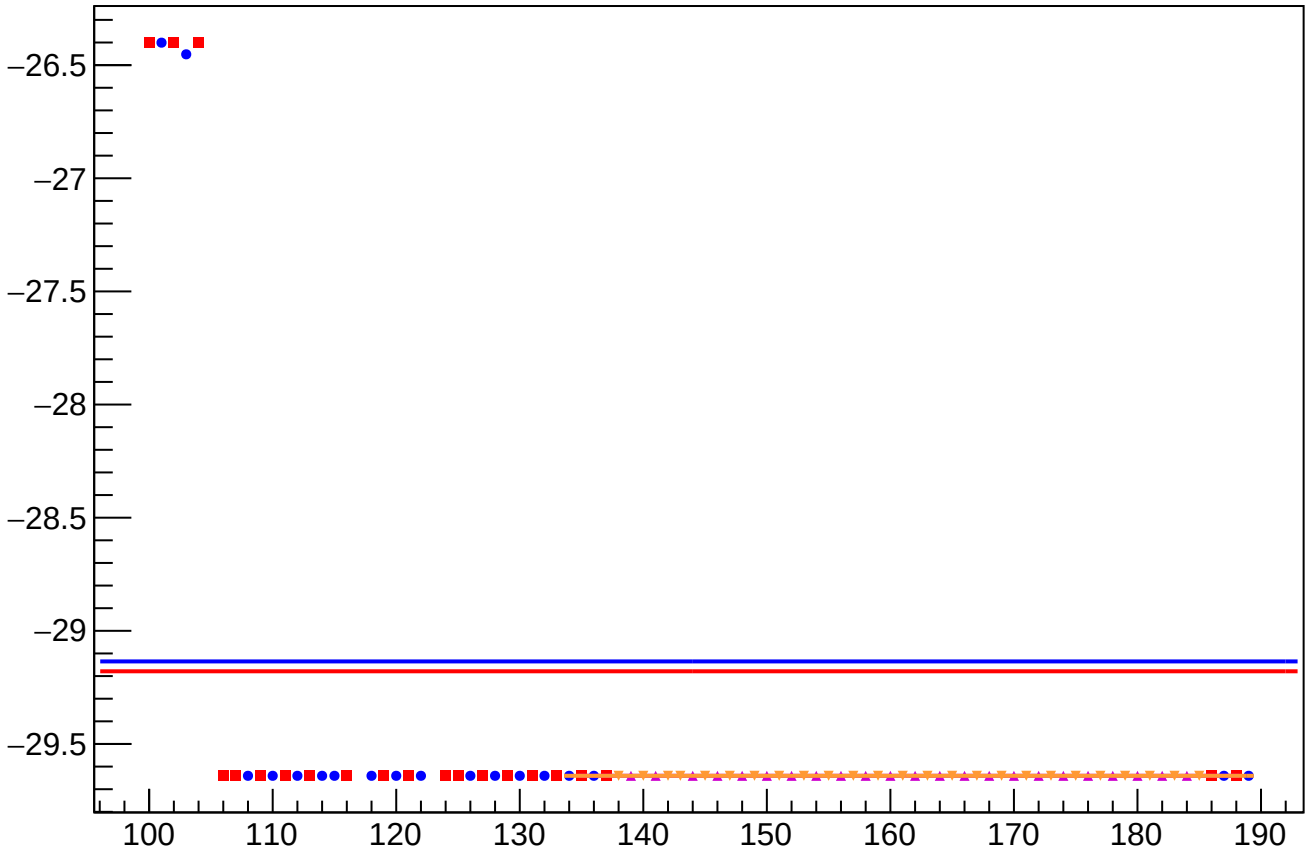
Right Out: 88.003+/-0.000 χ^2/NDF: 74102161354603959367642382336.0/20

Left In: -90.599+/-0.000 χ^2/NDF:7520558.1/22

+ sign -39.264+/-0.000 χ^2/NDF: 185018530331638

All: -36.193+/-0.000 χ^2/NDF: 381297160626

- sign -33.098+/-0.000 χ^2/NDF: 1957422725354377



Right In: -29.135+/-0.000 χ^2/NDF: 1114859572060392081071230599299072.0/17

Left Out: -29.641+/-0.000 χ^2/NDF:409122.2/24

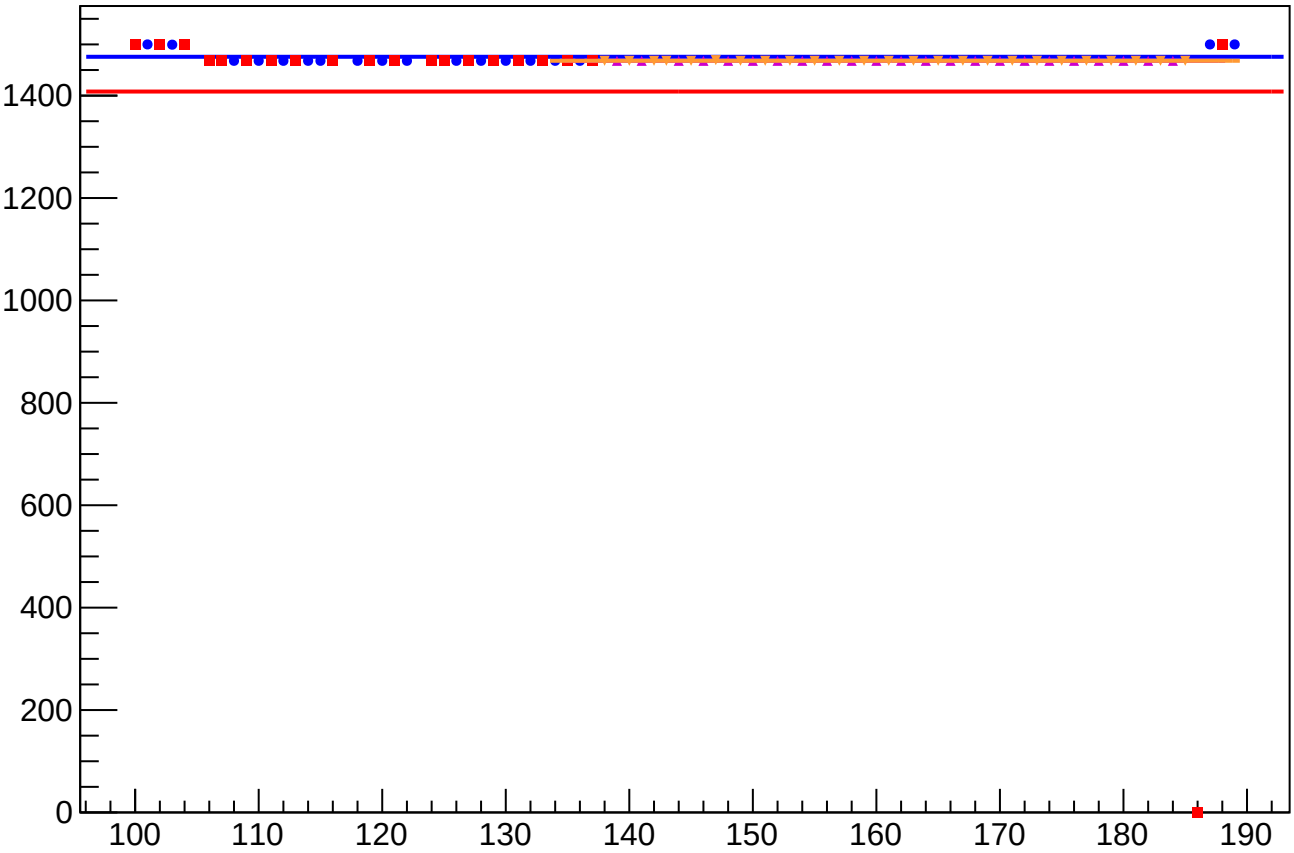
Right Out: -29.179+/-0.000 χ^2/NDF: 1161162155138140428461328547446784.0/20

Left In: -29.641+/-0.000 χ^2/NDF:290780.4/22

+ sign -29.495+/-0.000 χ^2/NDF: 126307757941887

All: -29.494+/-0.000 χ^2/NDF: 255513885440

- sign -29.492+/-0.000 χ^2/NDF: 129204505613659



Right In: 1475.847+/-0.000 χ^2/NDF: 153678242204766632767006235548450816.0/17

+ sign 1470.291+/-0.000 χ^2/NDF: 1890745235644

Left Out: 1468.051+/-0.000 χ^2/NDF:139558223587677068165594208010240.0/24

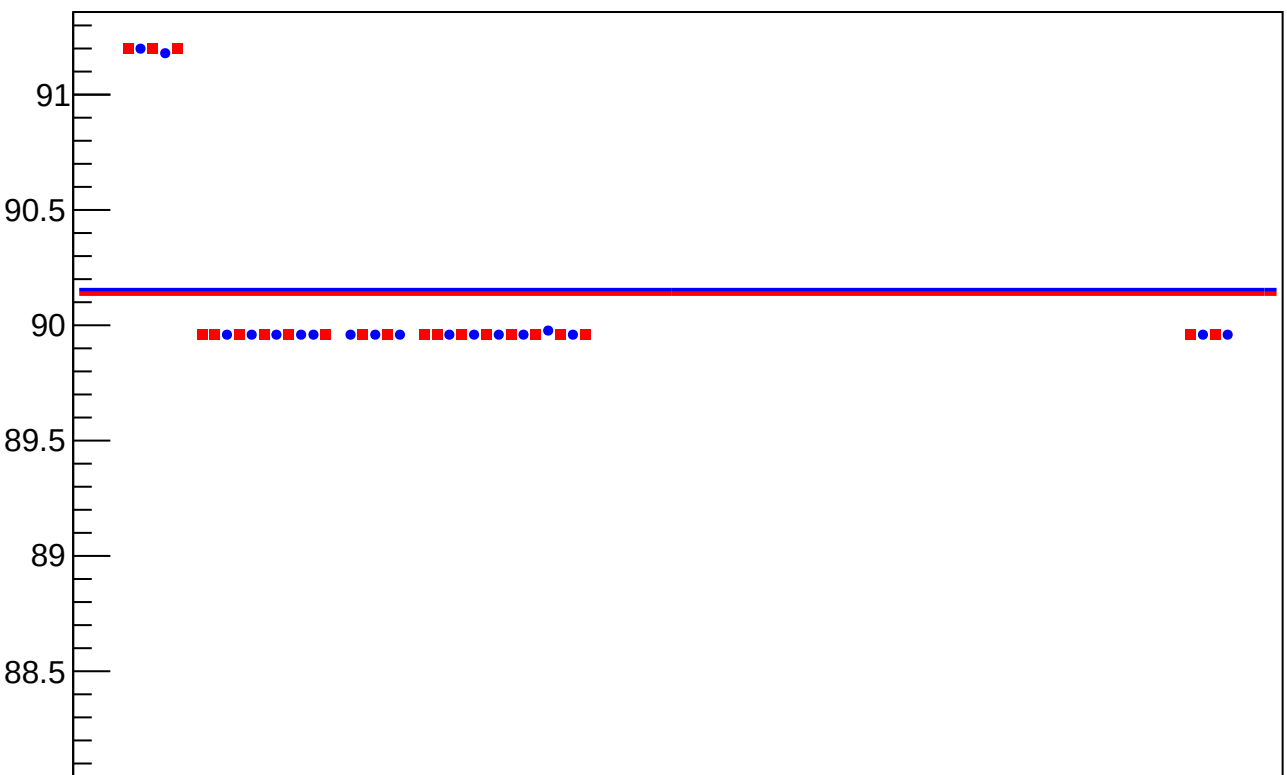
All: 1459.518+/-0.000 χ^2/NDF: 9054233161

Right Out: 1407.955+/-0.000 χ^2/NDF: 87481488189881619671060627245554991104.0/20

- sign 1448.664+/-0.000 χ^2/NDF: 89693406822671

Left In: 1467.994+/-0.000 χ^2/NDF:155493808986096753755224539136.0/22

Phi_FG_mean vs Slug



Right In: 90.154+/-0.000 χ^2/NDF: 16303845548708617234700848804659 2.0/17

Left Out: 88.021+/-0.000 χ^2/NDF:5113333.3/24

Right Out: 90.136+/-0.000 χ^2/NDF: 17007724906079236145654522917683 2.0/20

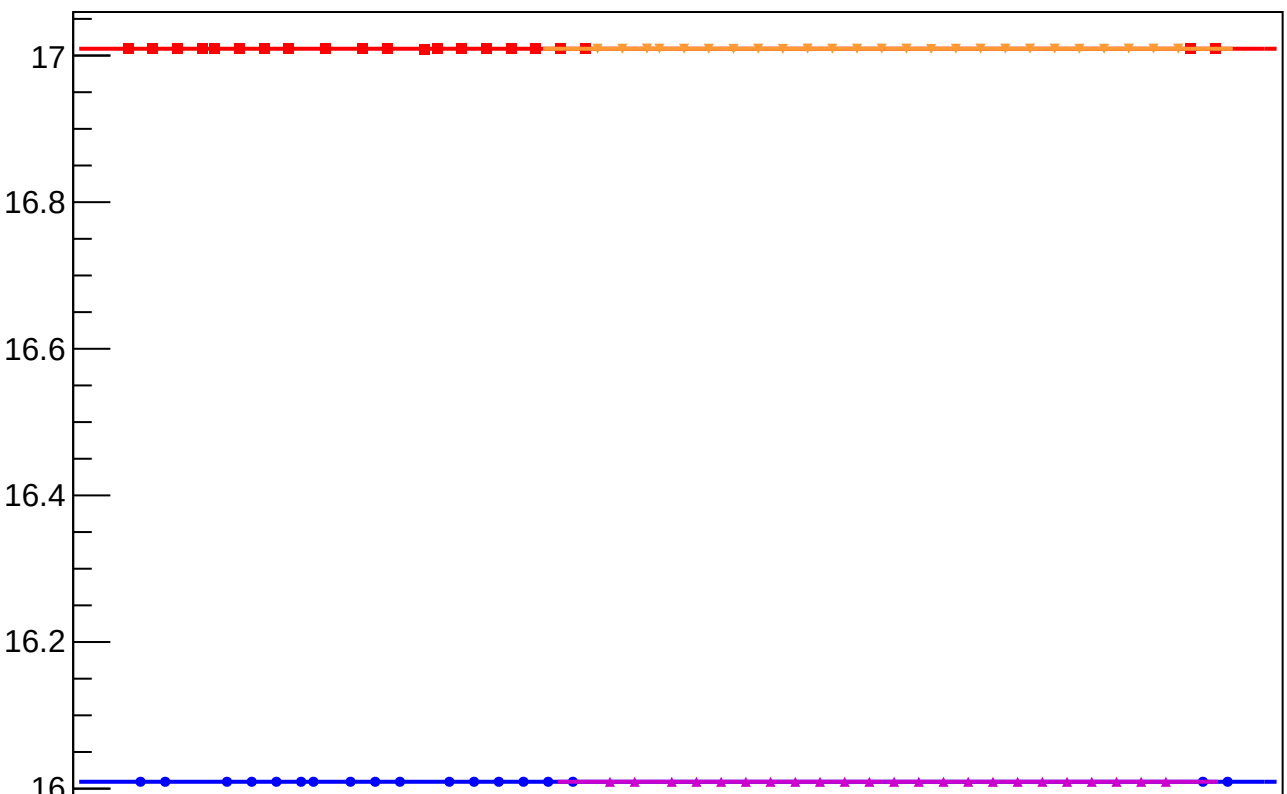
Left In: 88.021+/-0.000 χ^2/NDF:7159272.4/22

+ sign 88.634+/-0.000 χ^2/NDF: 2801785015749983

All: 88.668+/-0.000 χ^2/NDF: 57242068681 70

- sign 88.702+/-0.000 χ^2/NDF: 2915903801433519

IGL1I00DI24_24M_mean vs Slug



Right In: 16.009+/-0.000 χ^2/NDF: 48076.3/17

Left Out: 17.009+/-0.000 χ^2/NDF:279903456758836896737525760/24

Right Out: 17.009+/-0.000 χ^2/NDF: 150481540689174065598955520/20

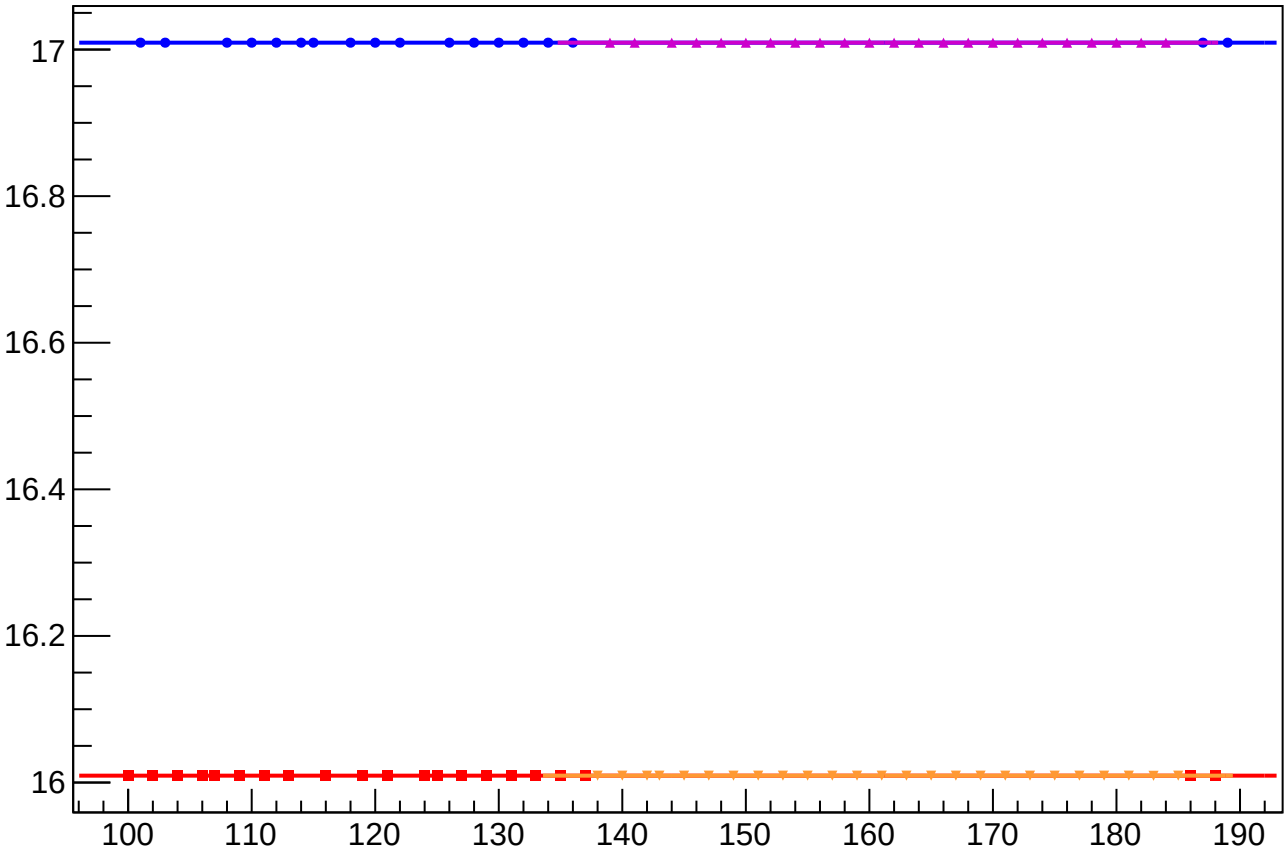
Left In: 16.009+/-0.000 χ^2/NDF:12468791216706352368844 8.0/22

+ sign 16.717+/-0.000 χ^2/NDF: 5479714409525198

All: 16.525+/-0.000 χ^2/NDF: 131122035185

- sign 16.330+/-0.000 χ^2/NDF: 5671549549439621

IGL1I00OD16_16_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF: 116562.1/17

Left Out: 16.009+/-0.000 χ^2/NDF:2818892758481805649117184.0/24

Right Out: 16.009+/-0.000 χ^2/NDF: 205507.7/20

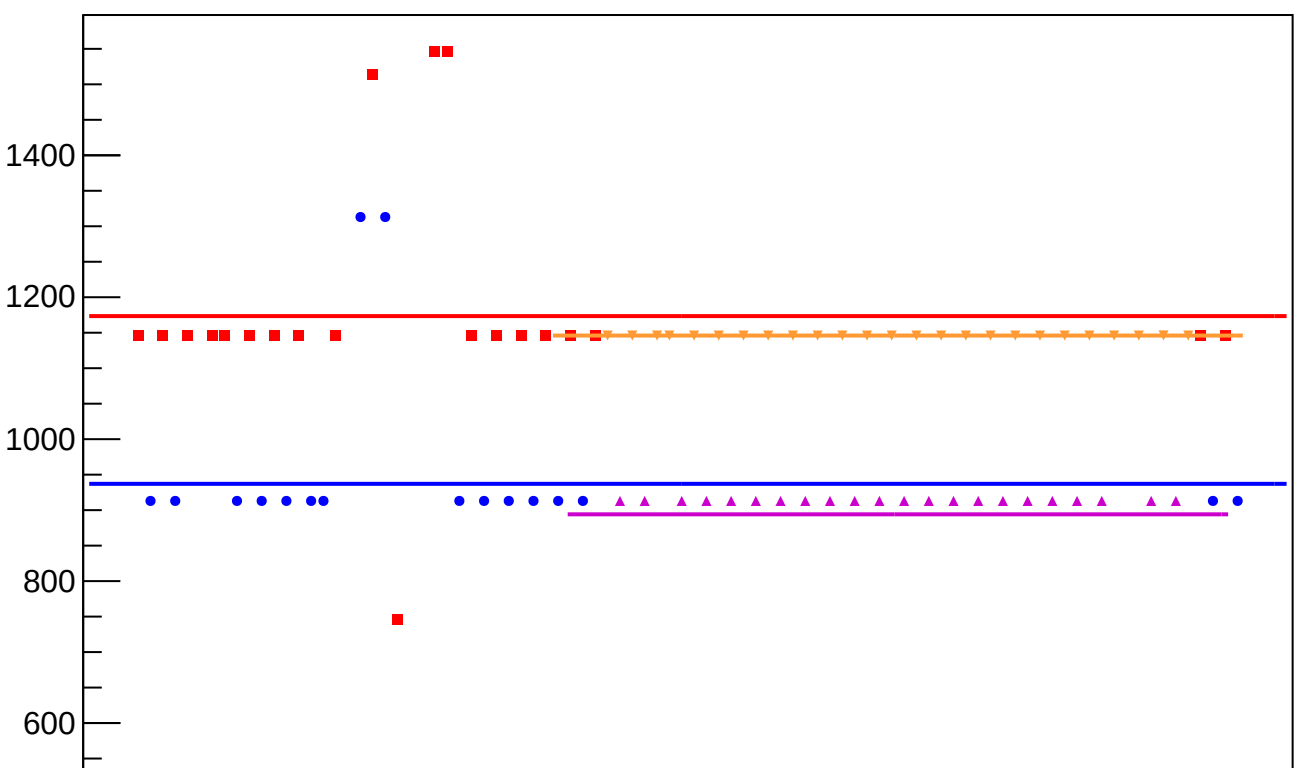
Left In: 17.009+/-0.000 χ^2/NDF:11100710442088156626944O.0/22

+ sign 16.291+/-0.000 χ^2/NDF: 5605282766629024

All: 16.487+/-0.000 χ^2/NDF: 138036949852O

- sign 16.683+/-0.000 χ^2/NDF: 6069736939735968

RTPAPOSUCNT_mean vs Slug



Right In: 937.074+/-0.000 χ^2/NDF: 211294224687999021859374650393194659840.0/17

+ sign 1085.963+/-0.000 χ^2/NDF: 46452731817150

Left Out: 1146.020+/-0.000 χ^2/NDF:37030712979418714599064306974720.0/24

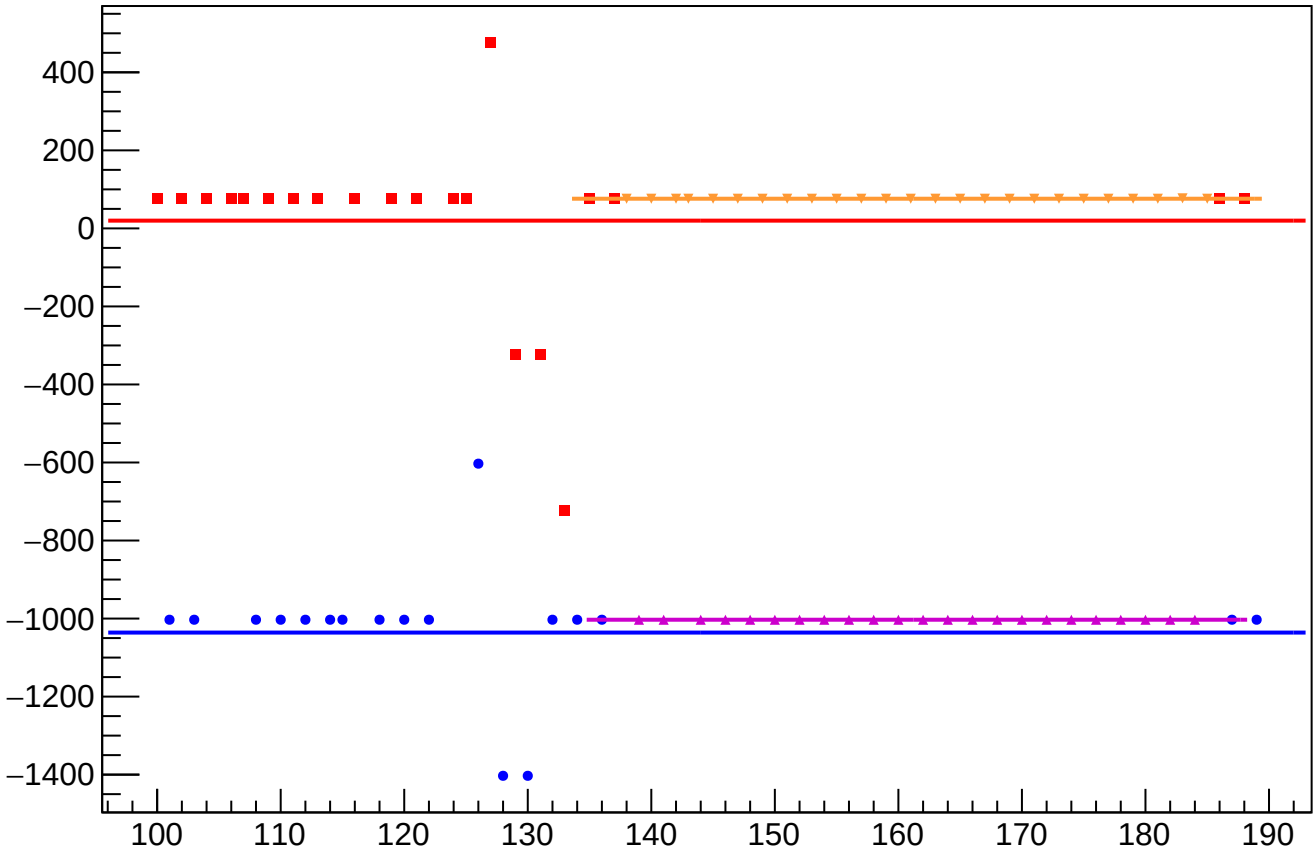
All: 1035.186+/-0.000 χ^2/NDF: 1443556637

Right Out: 1173.413+/-0.000 χ^2/NDF: 22266741113024199972485118925327040512.0/20

- sign 984.029+/-0.000 χ^2/NDF: 832448594514019

Left In: 894.107+/-0.000 χ^2/NDF:13107238299211712783896183802964213760.0/22

RTPAPOSVCNT_mean vs Slug



Right In: -1035.913+/-0.000 χ^2/NDF: 22957298334449310682429576005717852160.0/17

+ sign -243.559+/-0.000 χ^2/NDF: 74014906599307

Left Out: 76.053+/-0.000 χ^2/NDF:8137119629458086651457121026048O.0/24

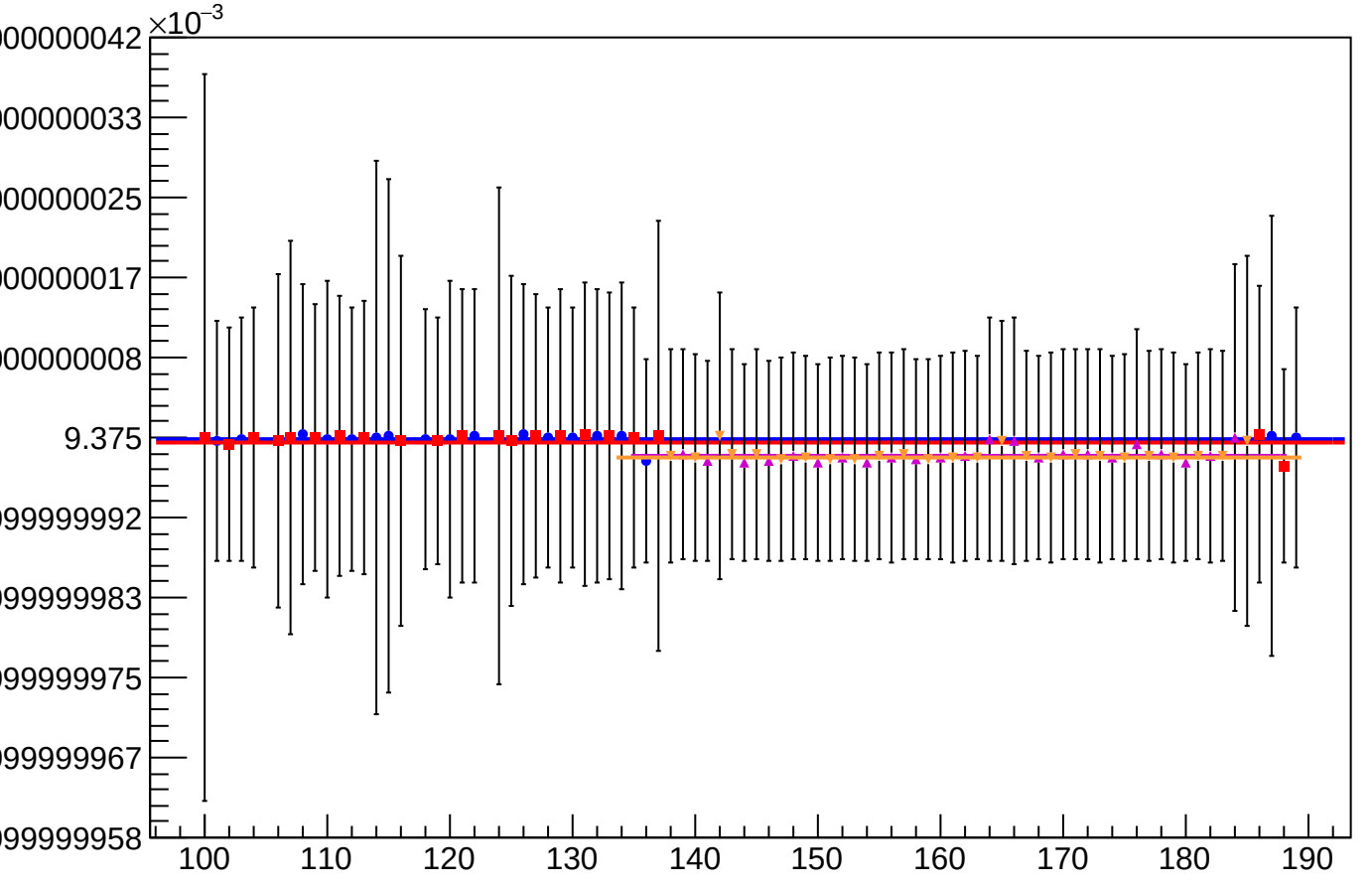
All: -457.818+/-0.000 χ^2/NDF: 1689747095

Right Out: 19.878+/-0.000 χ^2/NDF: 4658819602523595100982656705160753971 2.0/20

- sign -673.678+/-0.000 χ^2/NDF: 68860933676080

Left In: -1002.990+/-0.000 χ^2/NDF:29519559033483147530972692 48.0/22

RTPPITA1CNT_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/17

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.1/20

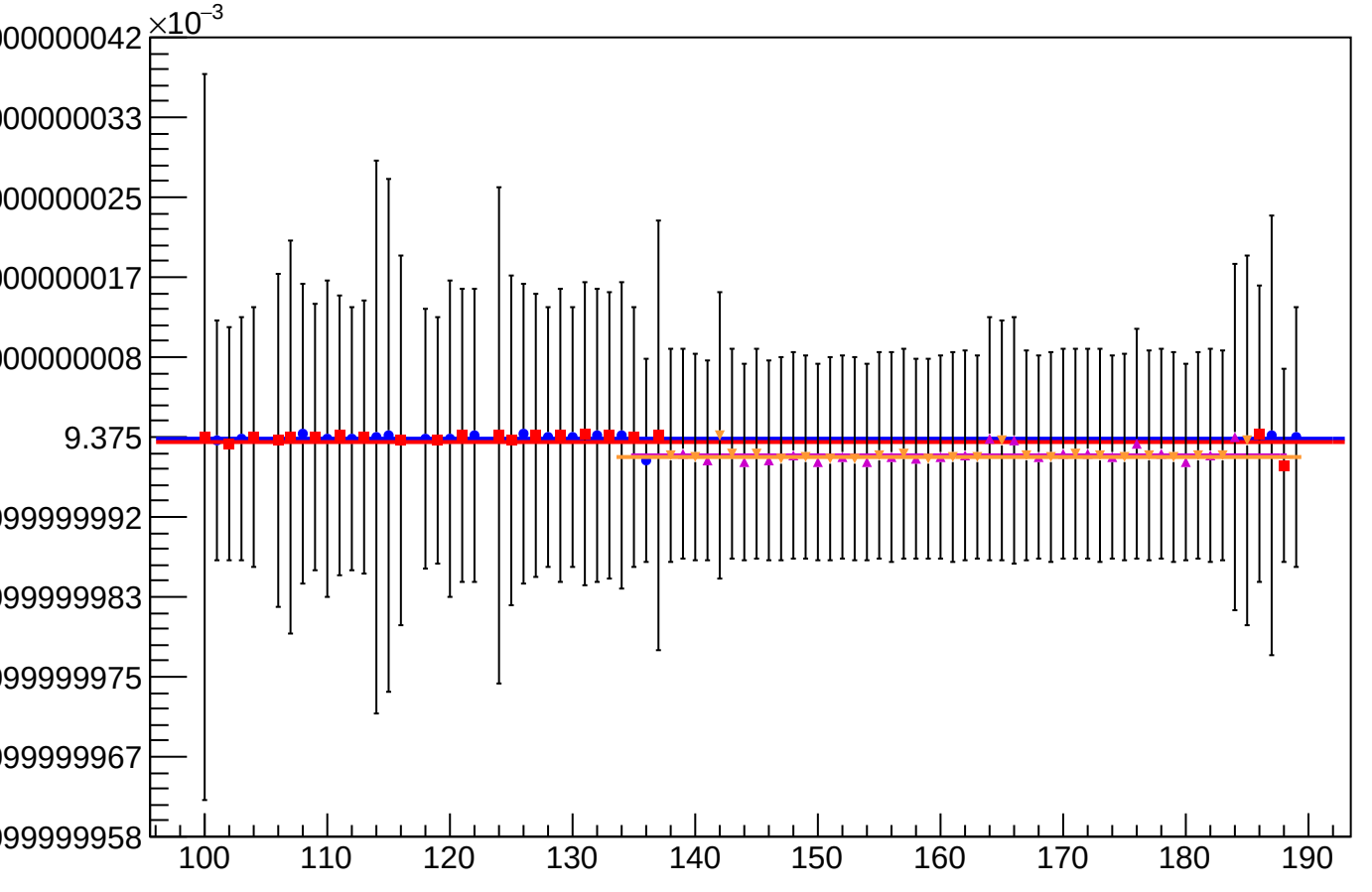
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

\+ sign 0.009+/-0.000 χ^2/NDF: 0.3/42

All: 0.009+/-0.000 χ^2/NDF: 0.6/86

\- sign 0.009+/-0.000 χ^2/NDF: 0.3/43

RTPPITA2CNT_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/17

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.1/20

Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/42

All: 0.009+/-0.000 χ^2/NDF: 0.6/86

- sign 0.009+/-0.000 χ^2/NDF: 0.3/43