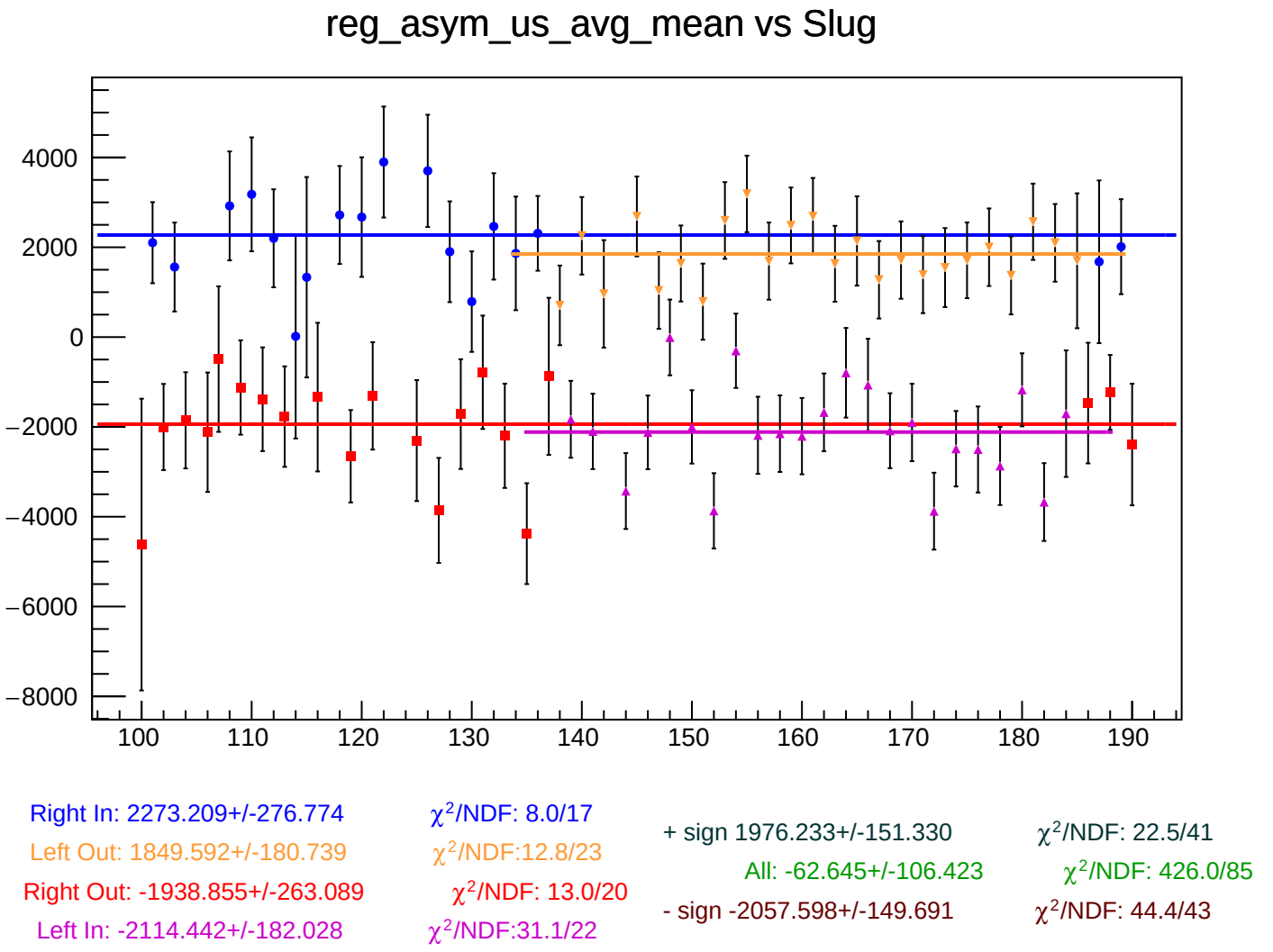


Right In: 2273.209+/-276.774 χ^2/NDF: 8.0/17

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

Right Out: -1938.855+/-263.089 χ^2/NDF: 13.0/20

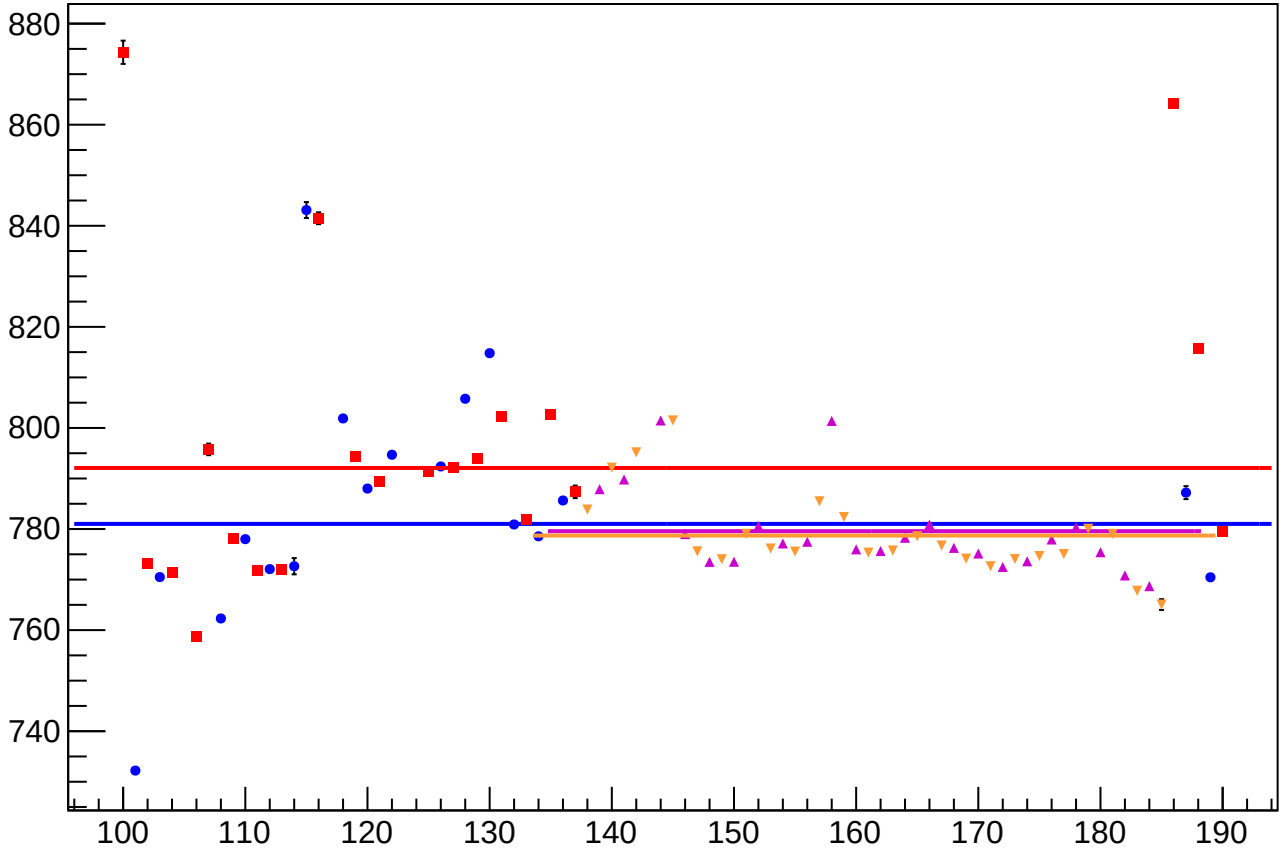
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

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

All: -62.645+/-106.423 χ^2/NDF: 426.0/85

- sign -2057.598+/-149.691 χ^2/NDF: 44.4/43

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: 792.086+/-0.186 χ^2/NDF: 15520.8/20

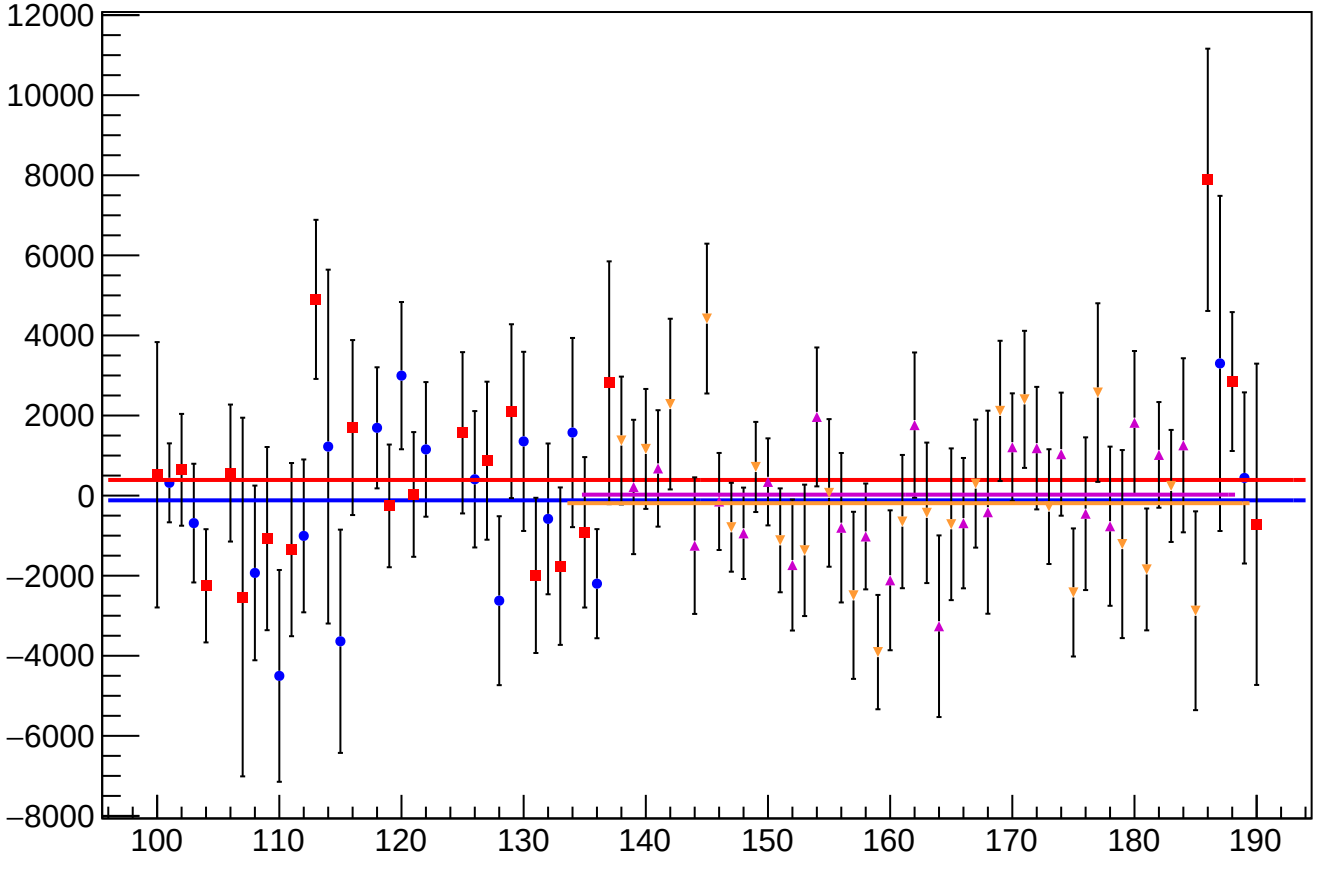
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

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

All: 781.535+/-0.075 χ^2/NDF: 39579.8/85

- sign 783.625+/-0.106 χ^2/NDF: 22752.3/43

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: 390.610+/-433.468 χ^2/NDF: 23.0/20

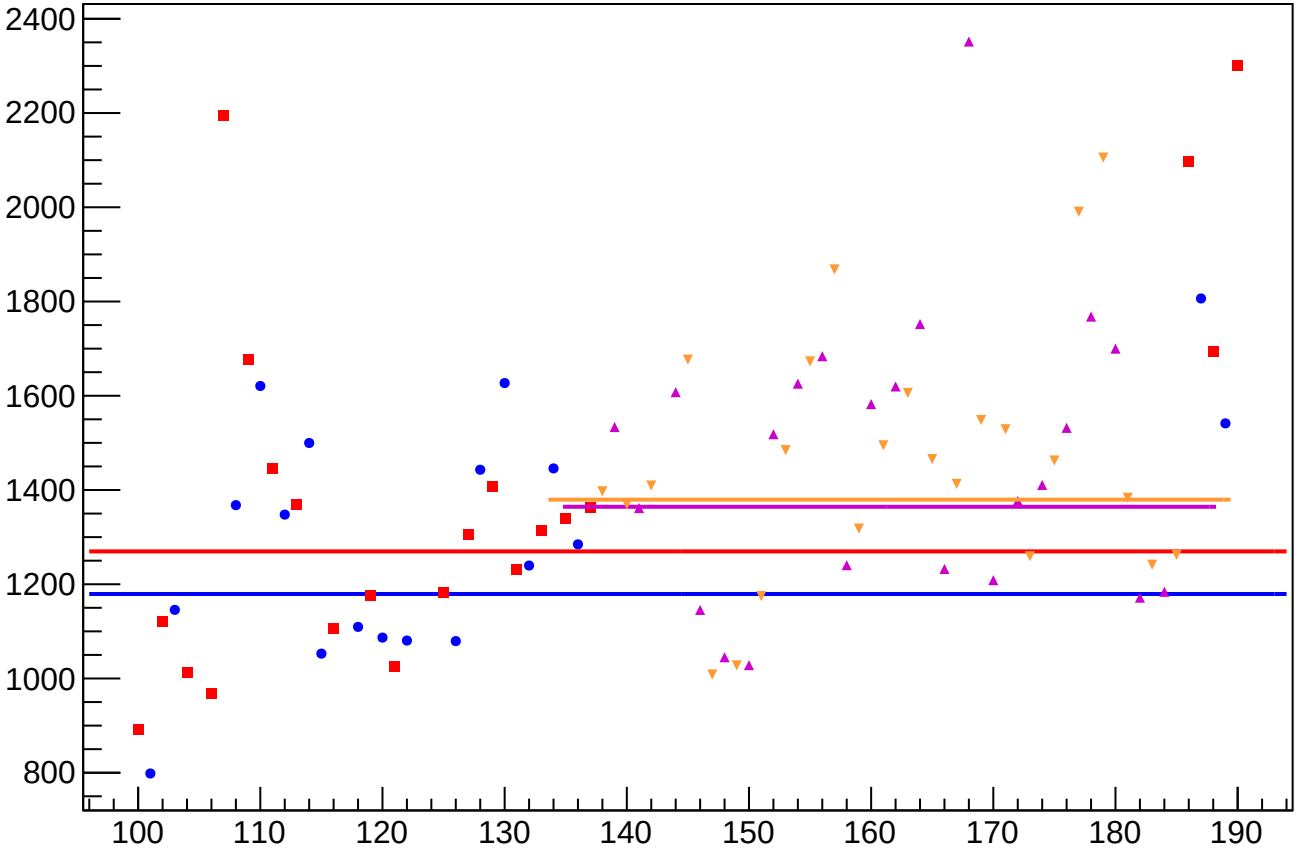
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

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

All: -3.351+/-184.179 χ^2/NDF: 83.4/85

\- sign 156.188+/-260.443 χ^2/NDF: 36.9/43

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

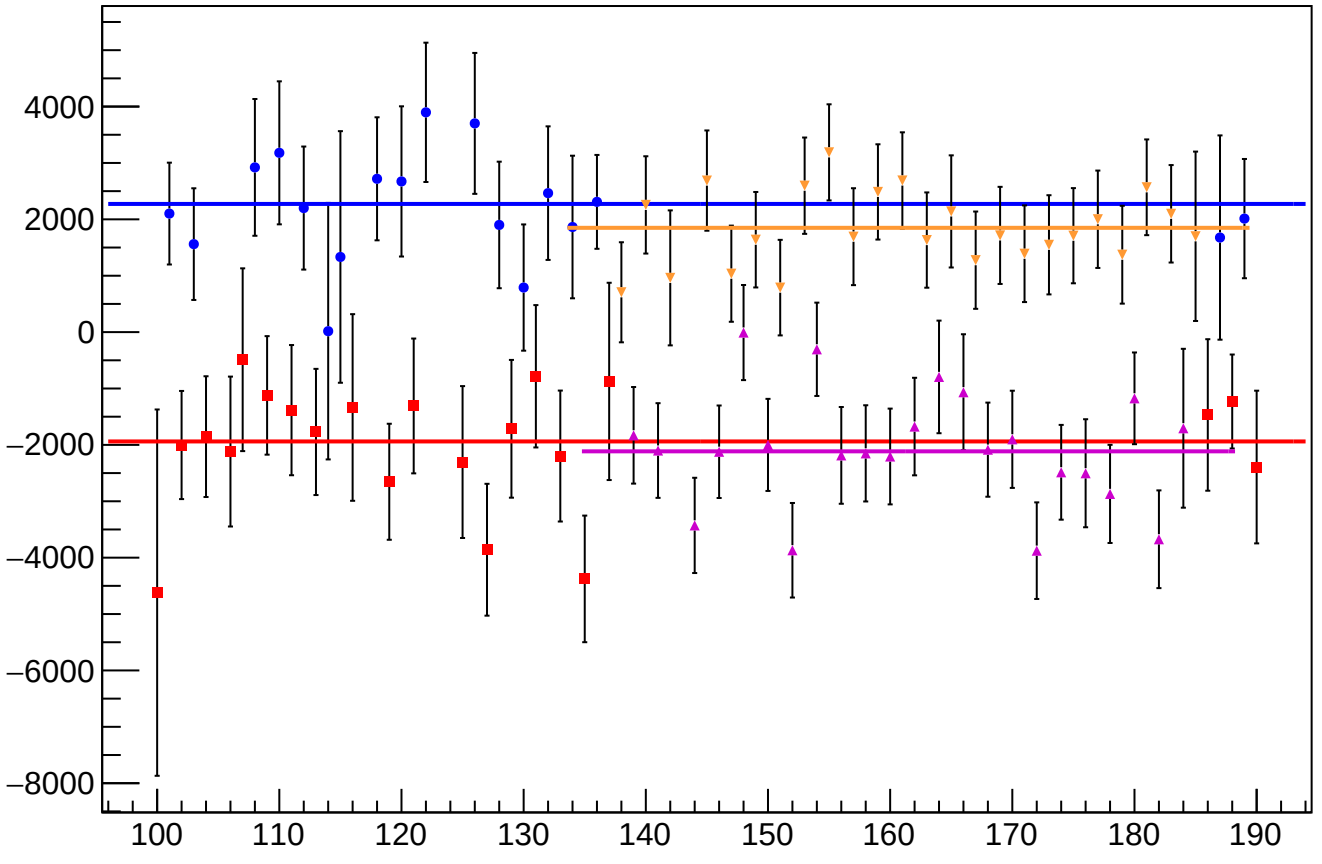
Right Out: 1269.710+/-0.307 χ^2/NDF: 810855.1/20

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

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

All: 1318.040+/-0.130 χ^2/NDF: 4302795.5/85

- sign 1330.224+/-0.184 χ^2/NDF: 2184154.3/43



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: -1938.855+/-263.089 χ^2/NDF: 13.0/20

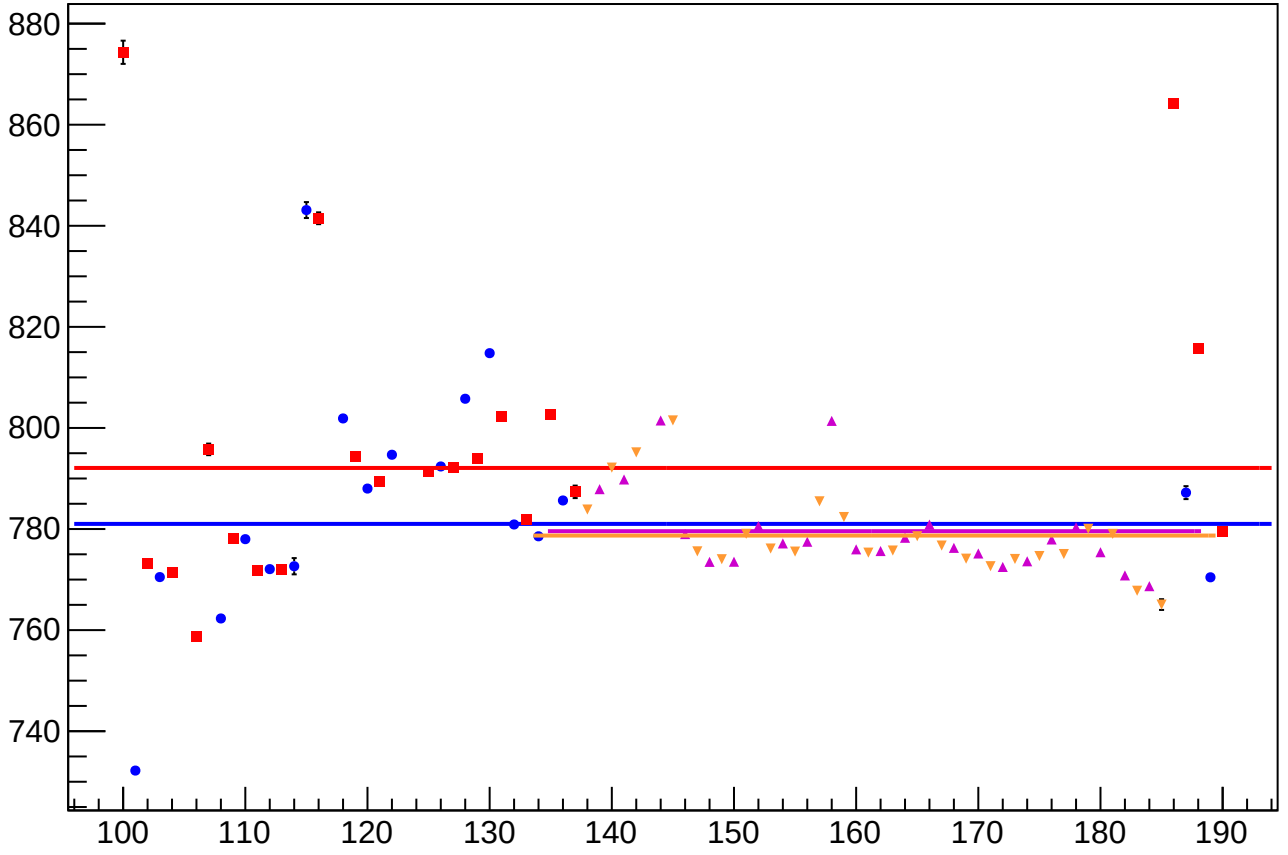
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

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

All: -62.645+/-106.423 χ^2/NDF: 426.0/85

- sign -2057.598+/-149.691 χ^2/NDF: 44.4/43

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: 792.086+/-0.186 χ^2/NDF: 15520.8/20

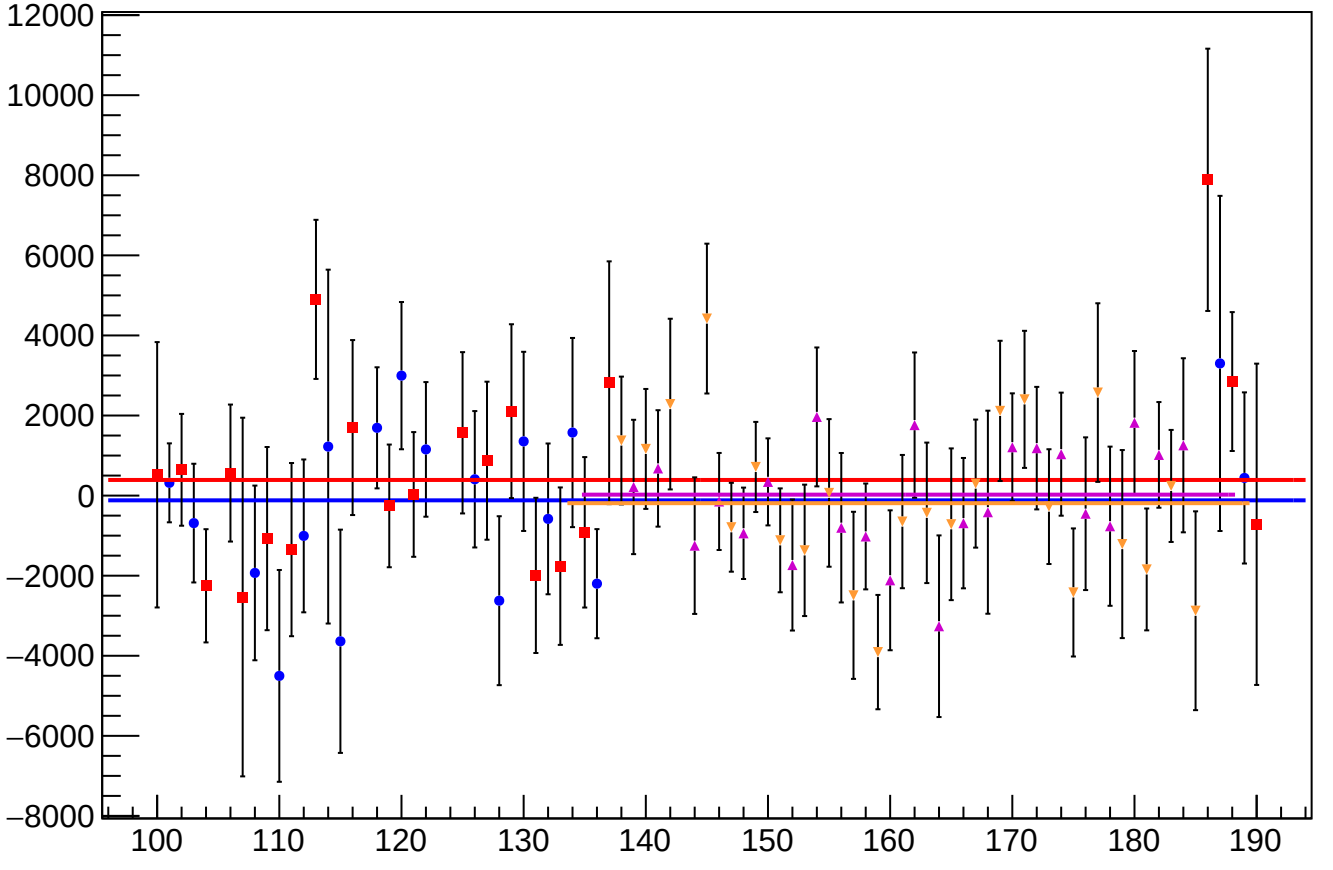
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

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

All: 781.535+/-0.075 χ^2/NDF: 39579.8/85

- sign 783.625+/-0.106 χ^2/NDF: 22752.3/43

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: 390.610+/-433.468 χ^2/NDF: 23.0/20

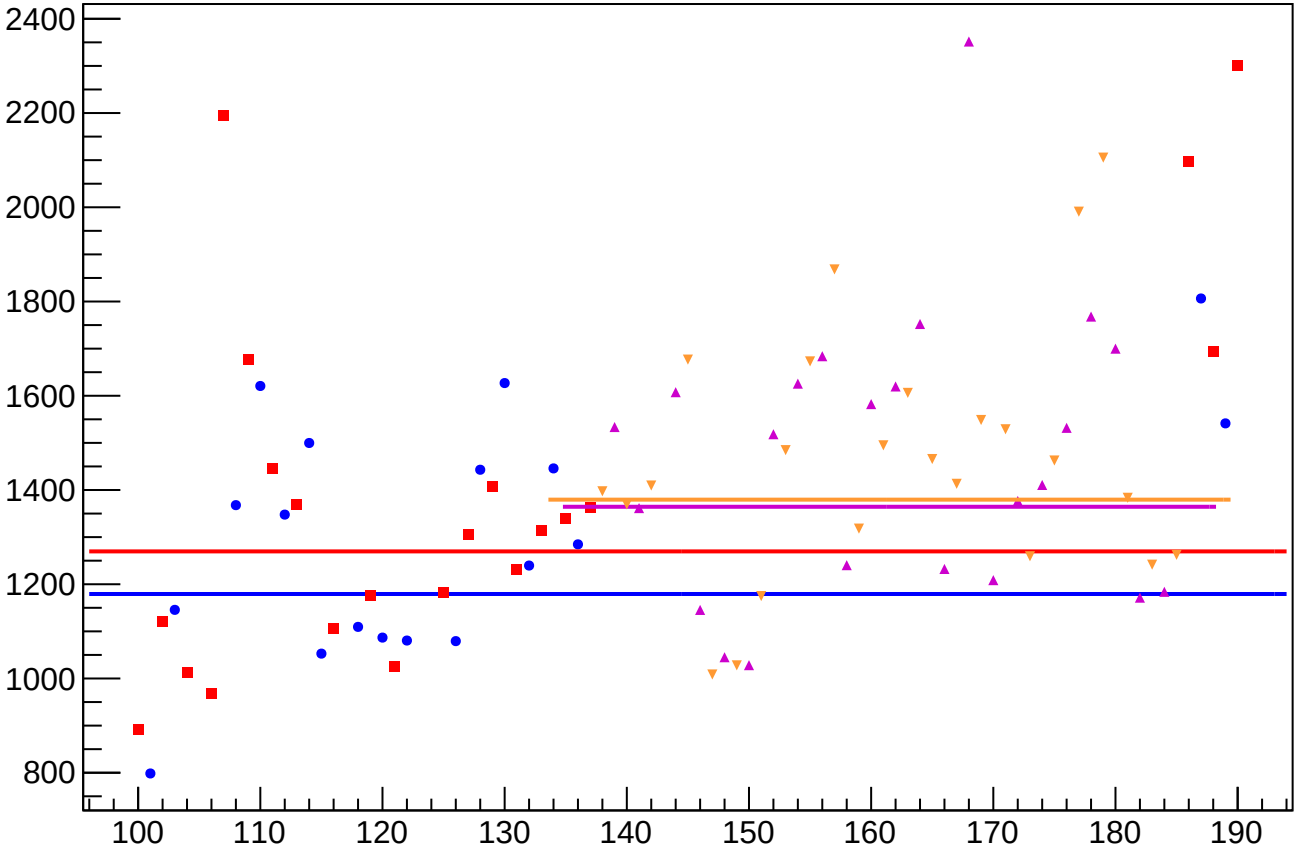
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

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

All: -3.351+/-184.179 χ^2/NDF: 83.4/85

- sign 156.188+/-260.443 χ^2/NDF: 36.9/43

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: 1269.710+/-0.307 χ^2/NDF: 810855.1/20

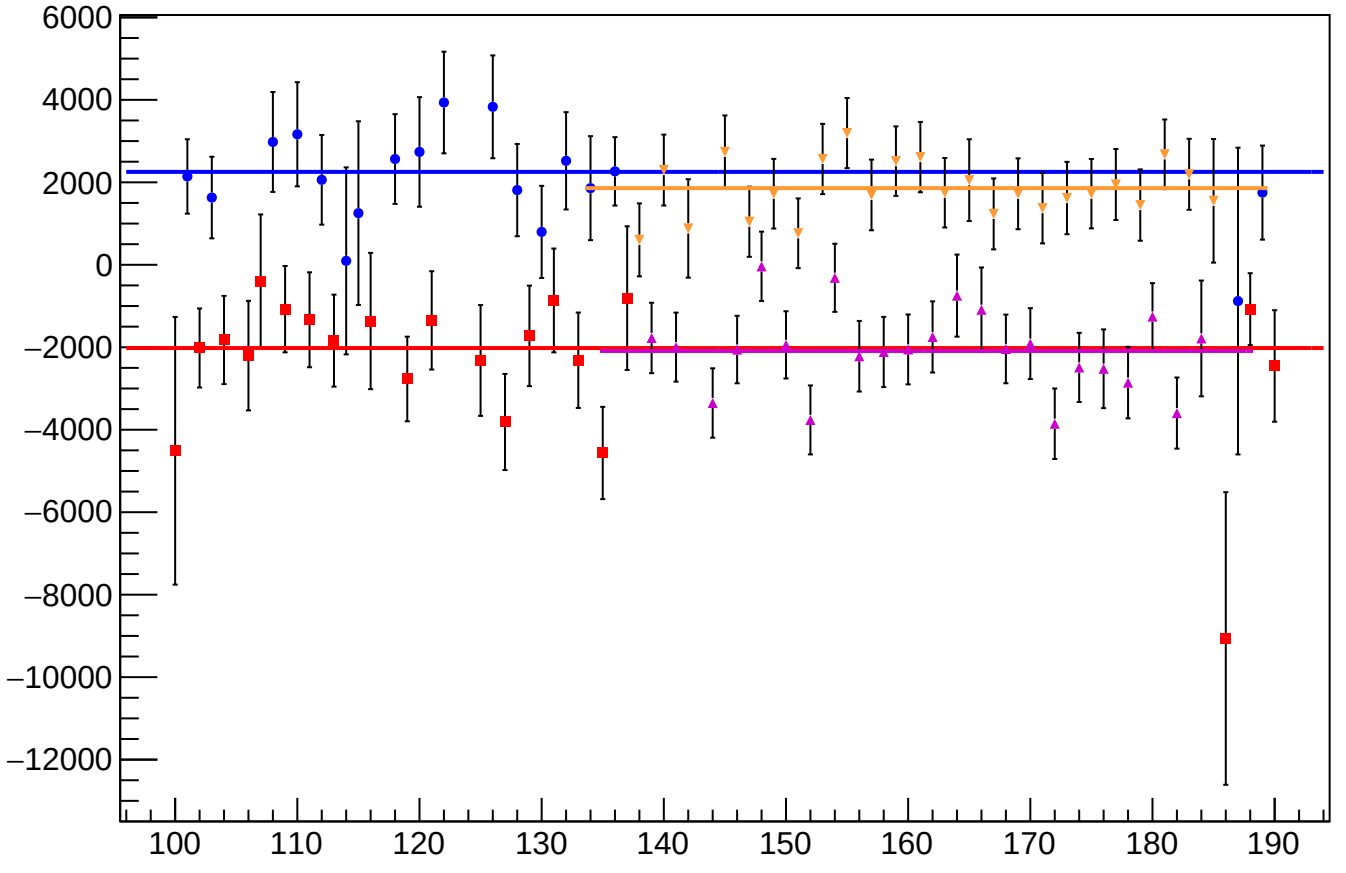
Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

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

All: 1318.040+/-0.130 χ^2/NDF: 4302795.5/85

- sign 1330.224+/-0.184 χ^2/NDF: 2184154.3/43

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: -2018.784+/-268.170 χ^2/NDF: 18.1/20

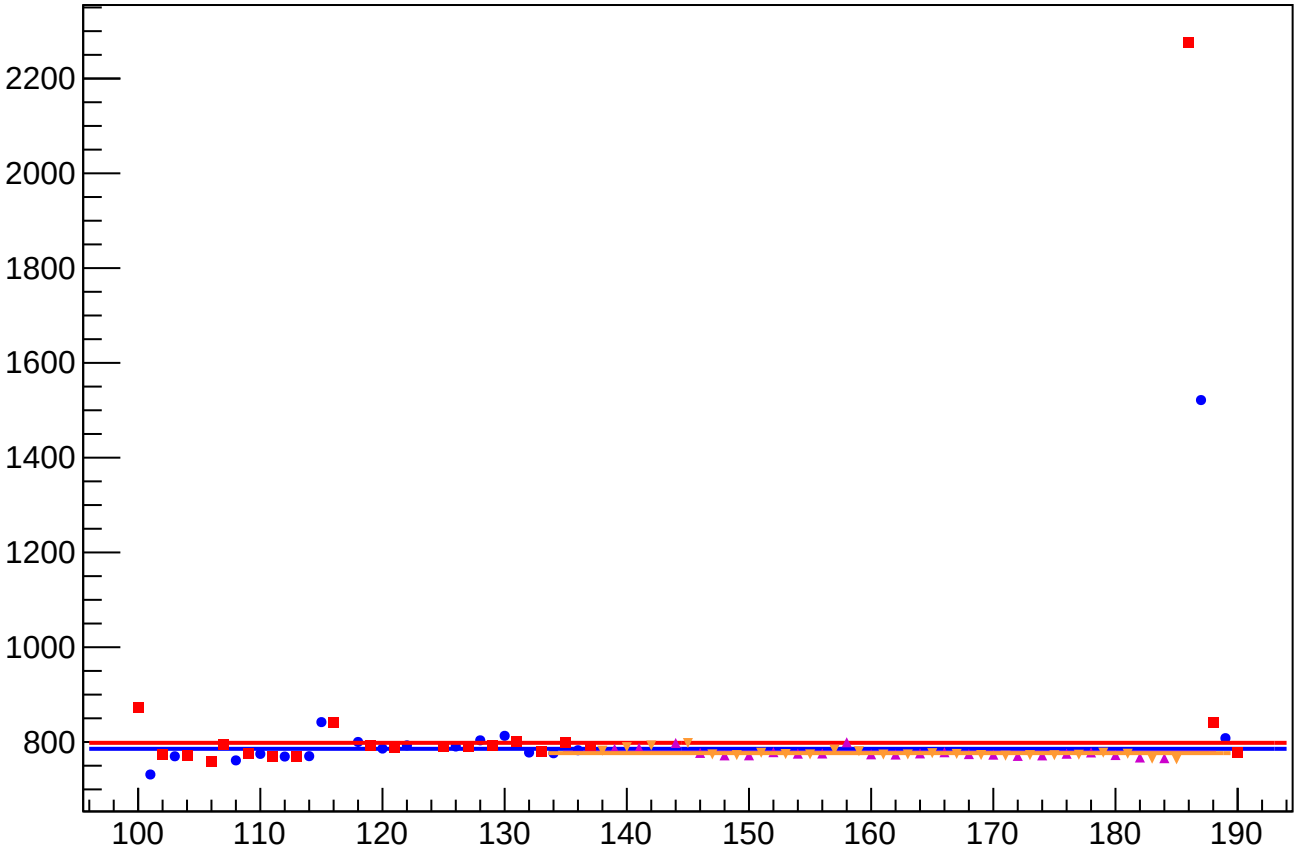
Left In: -2089.493+/-181.523 χ^2/NDF:29.6/22

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

All: -62.575+/-106.725 χ^2/NDF: 430.3/85

- sign -2067.275+/-150.323 χ^2/NDF: 47.8/43

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

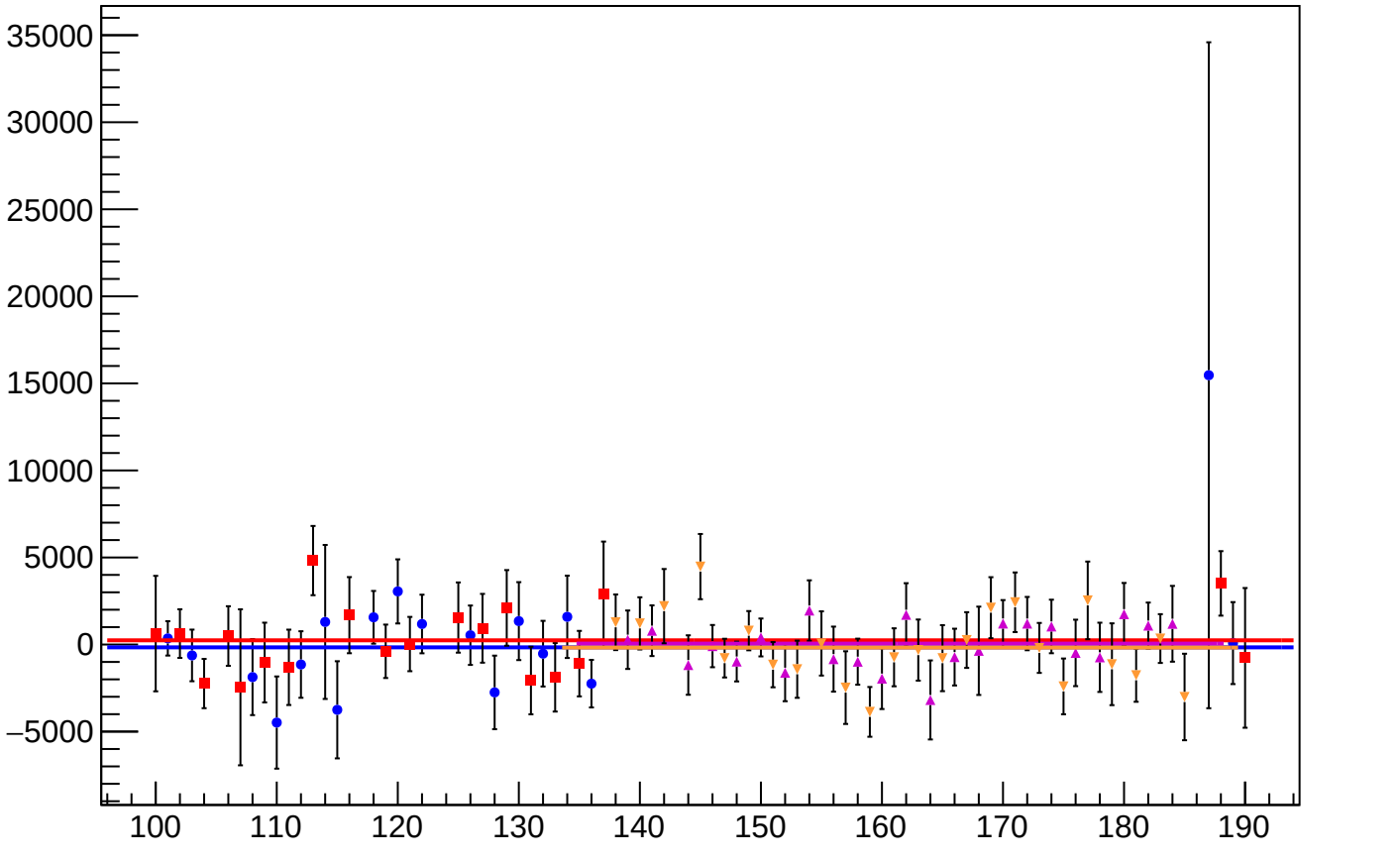
Right Out: 798.259+/-0.190 χ^2/NDF: 363743.6/20

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

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

All: 781.595+/-0.075 χ^2/NDF: 473684.6/85

- sign 783.963+/-0.106 χ^2/NDF: 376093.6/43



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: 242.505+/-439.405 χ^2/NDF: 18.6/19

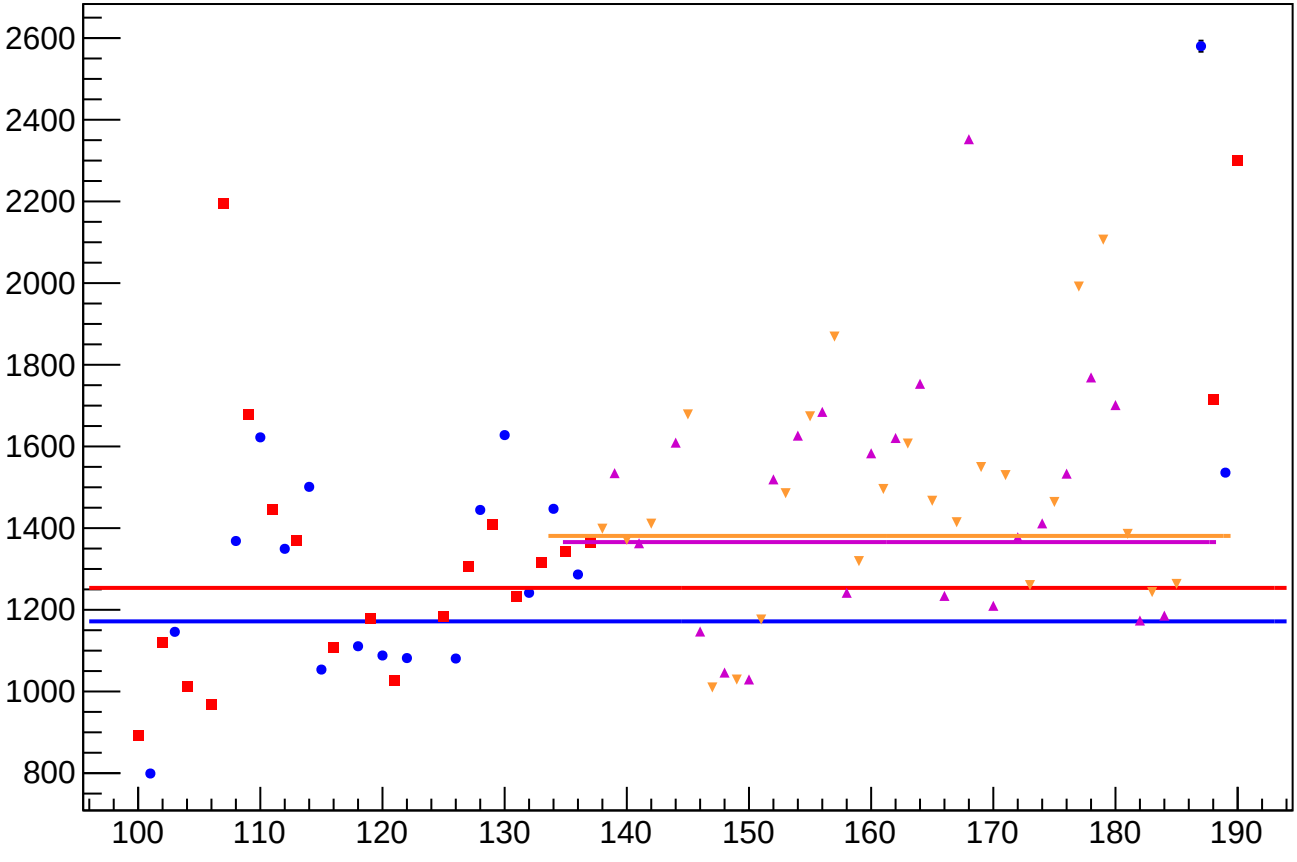
Left In: 52.820+/-326.124 χ^2/NDF:13.0/22

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

All: -25.104+/-185.067 χ^2/NDF: 78.3/84

\- sign 120.195+/-261.877 χ^2/NDF: 31.7/42

asym_us_avg_overload_cor_correction_rms vs Slug



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: 1253.649+/-0.311 χ^2/NDF: 674416.0/19

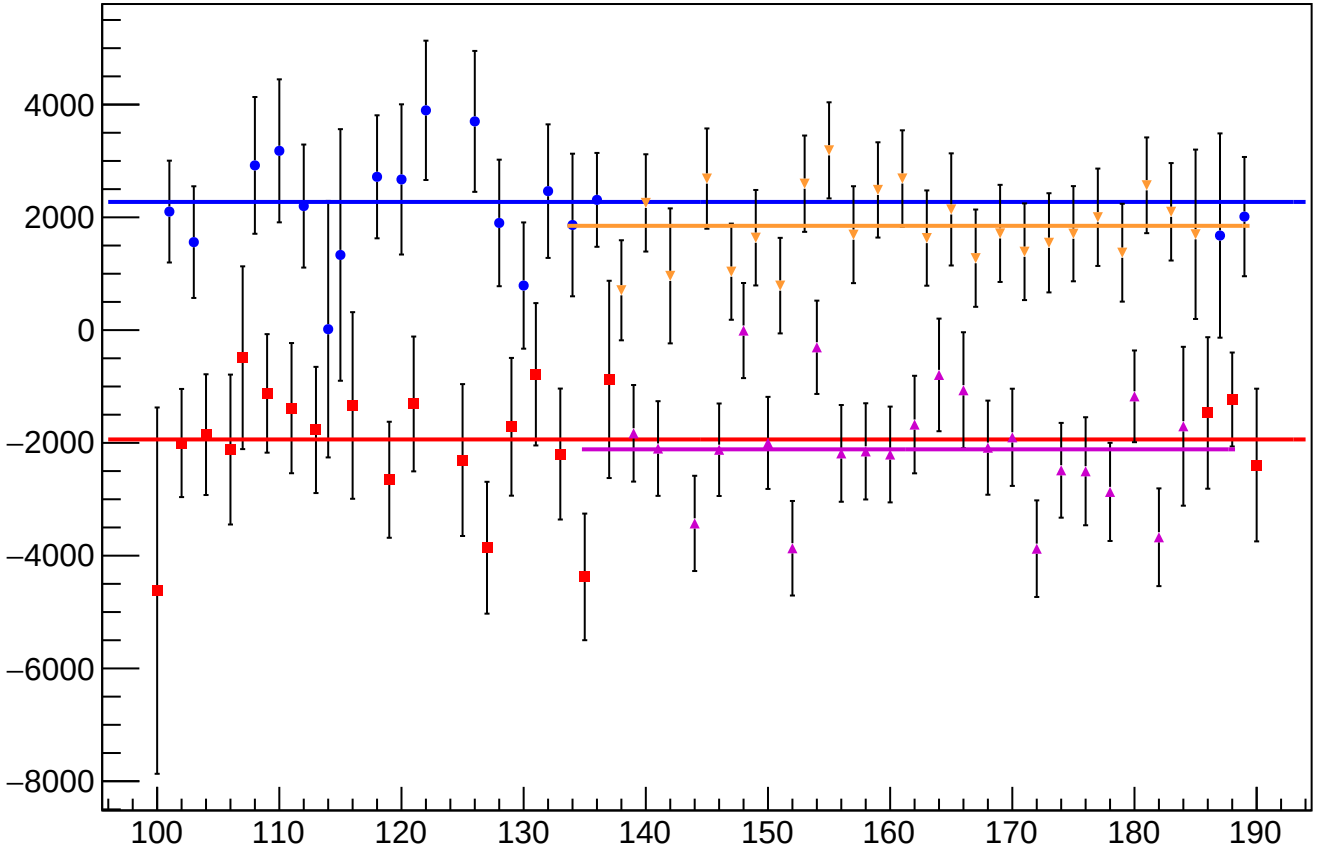
Left In: 1365.811+/-0.231 χ^2/NDF:1308862.5/22

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

All: 1315.362+/-0.131 χ^2/NDF: 4155423.9/84

- sign 1325.972+/-0.185 χ^2/NDF: 2067306.7/42

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: -1938.855+/-263.089 χ^2/NDF: 13.0/20

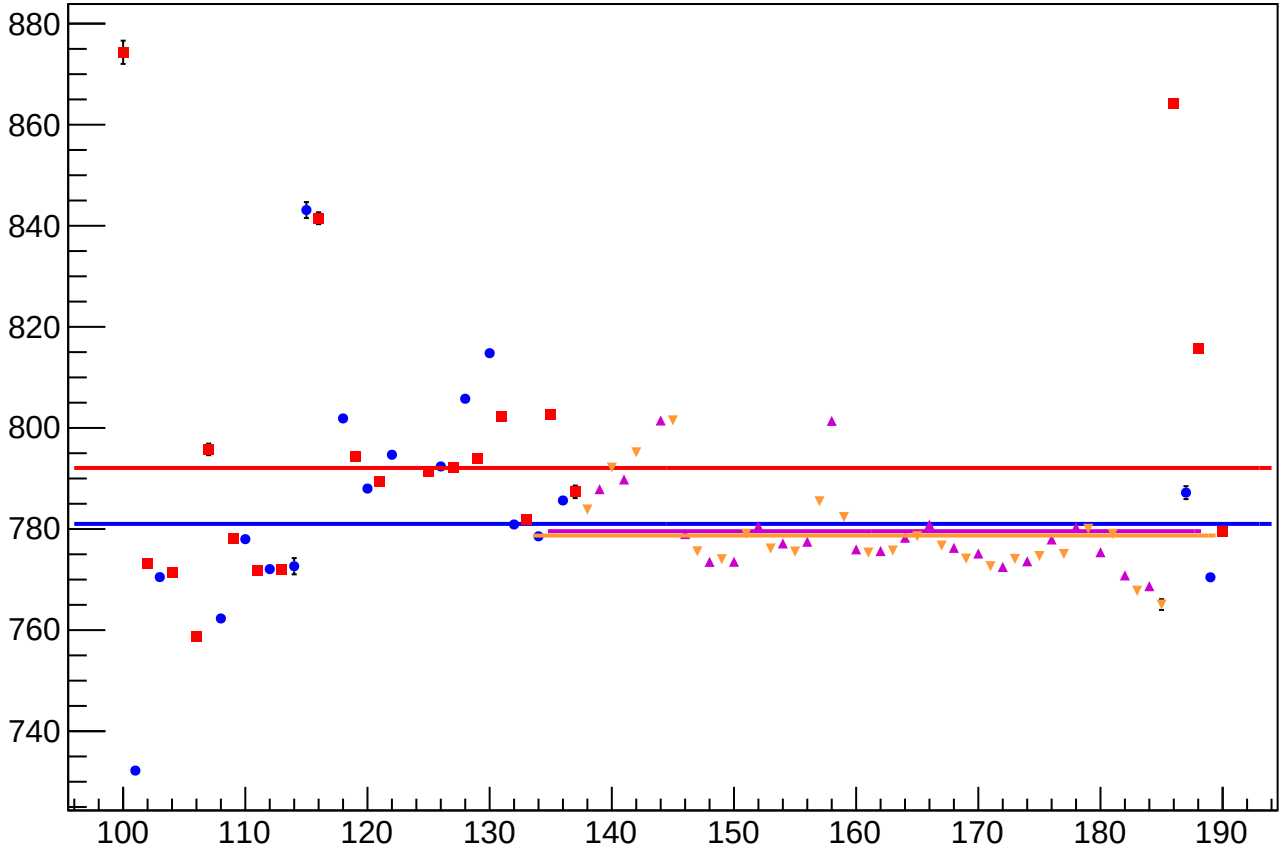
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

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

All: -62.645+/-106.423 χ^2/NDF: 426.0/85

- sign -2057.598+/-149.691 χ^2/NDF: 44.4/43

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: 792.086+/-0.186 χ^2/NDF: 15520.8/20

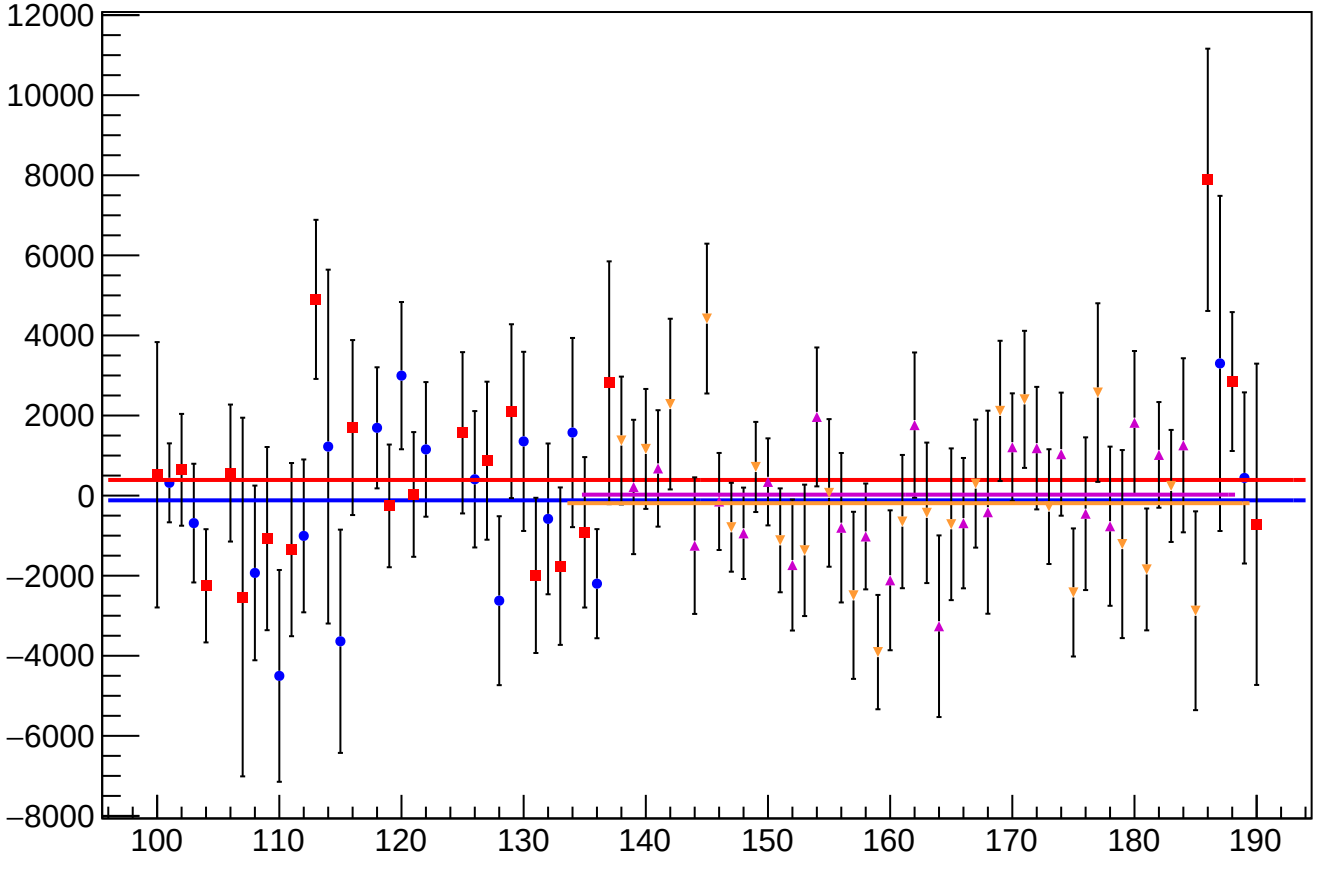
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

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

All: 781.535+/-0.075 χ^2/NDF: 39579.8/85

- sign 783.625+/-0.106 χ^2/NDF: 22752.3/43

asym_us_avg_eigen_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

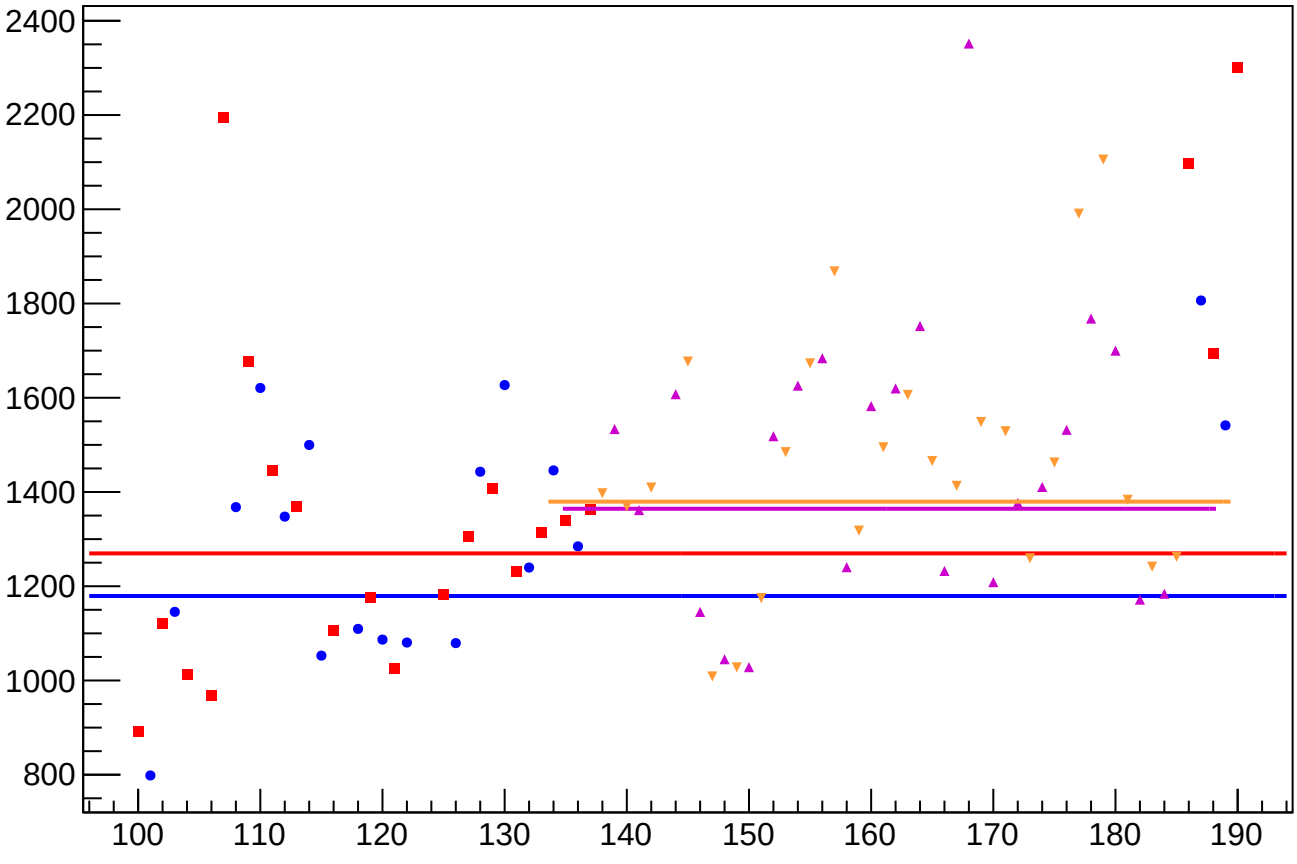
Right Out: 390.610+/-433.468 χ^2/NDF: 23.0/20

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

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

All: -3.351+/-184.179 χ^2/NDF: 83.4/85

- sign 156.188+/-260.443 χ^2/NDF: 36.9/43



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

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

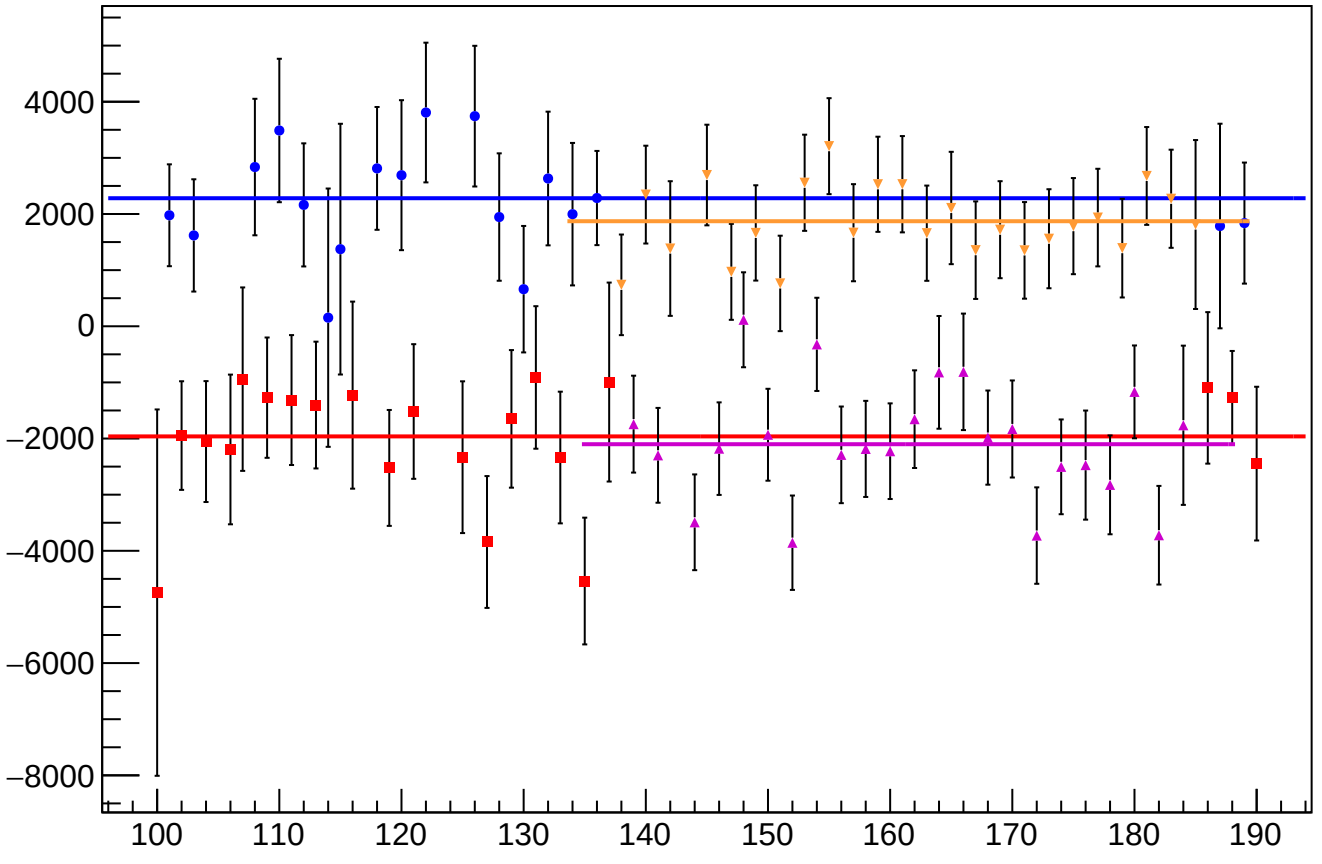
Right Out: 1269.710+/-0.307 χ^2/NDF: 810855.1/20

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

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

All: 1318.040+/-0.130 χ^2/NDF: 4302795.5/85

\- sign 1330.224+/-0.184 χ^2/NDF: 2184154.3/43



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: -1961.897+/-264.820 χ^2/NDF: 13.0/20

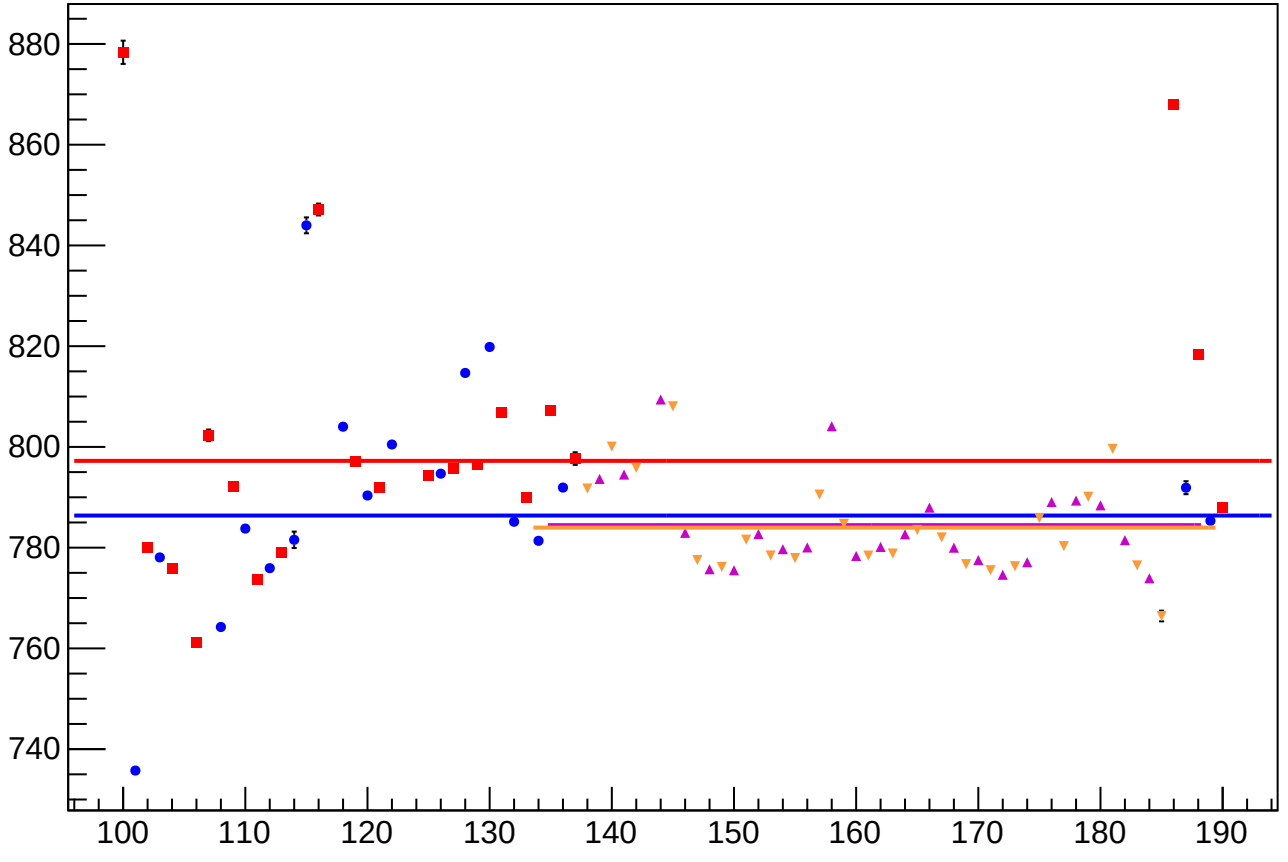
Left In: -2101.047+/-183.179 χ^2/NDF:31.8/22

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

All: -54.016+/-107.129 χ^2/NDF: 424.6/85

- sign -2056.015+/-150.651 χ^2/NDF: 44.9/43

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: 797.230+/-0.187 χ^2/NDF: 14600.0/20

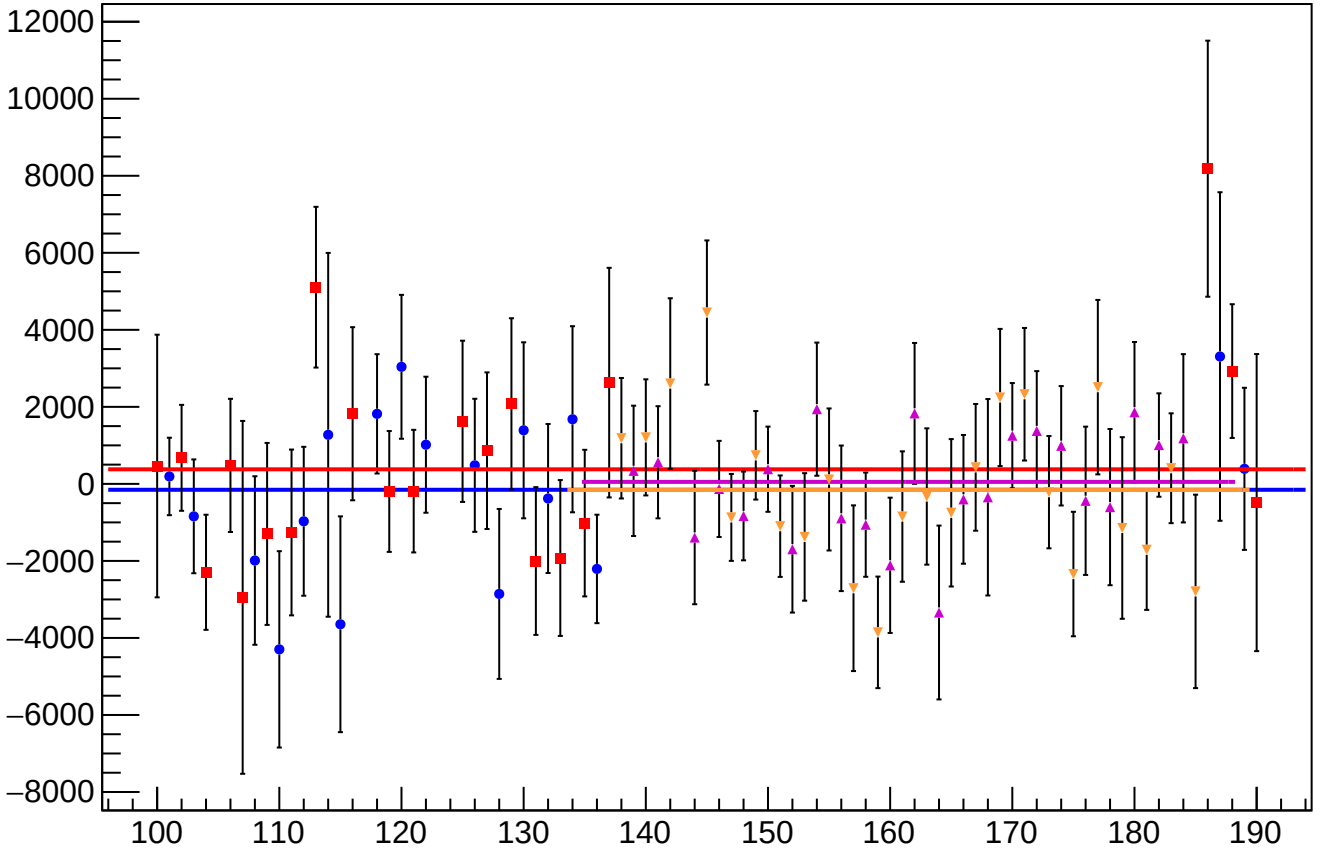
Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

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

All: 786.671+/-0.076 χ^2/NDF: 40954.2/85

- sign 788.601+/-0.107 χ^2/NDF: 22667.2/43

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: 378.497+/-441.309 χ^2/NDF: 23.3/20

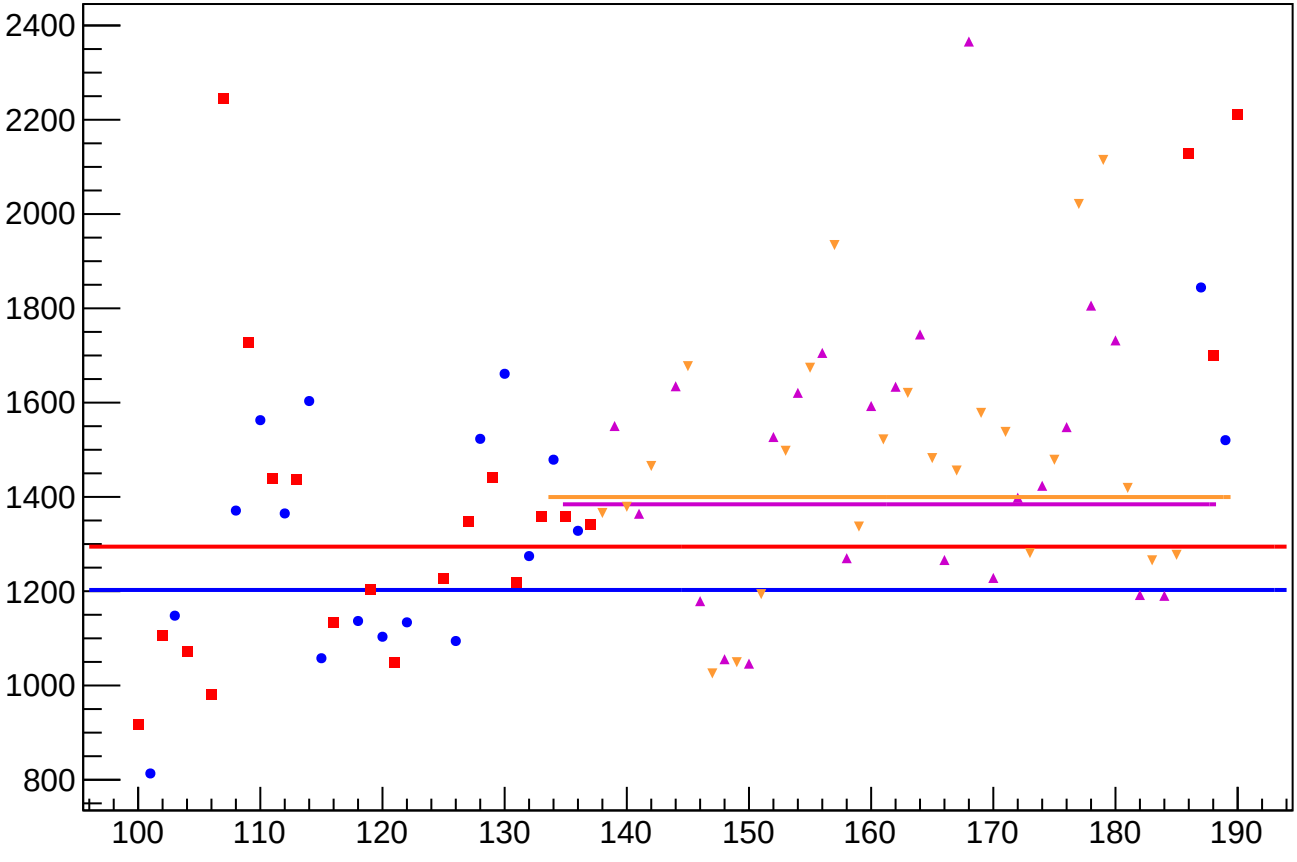
Left In: 51.975+/-330.206 χ^2/NDF:13.4/22

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

All: 6.192+/-186.998 χ^2/NDF: 83.0/85

- sign 169.170+/-264.388 χ^2/NDF: 37.1/43

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: 1294.516+/-0.312 χ^2/NDF: 776017.8/20

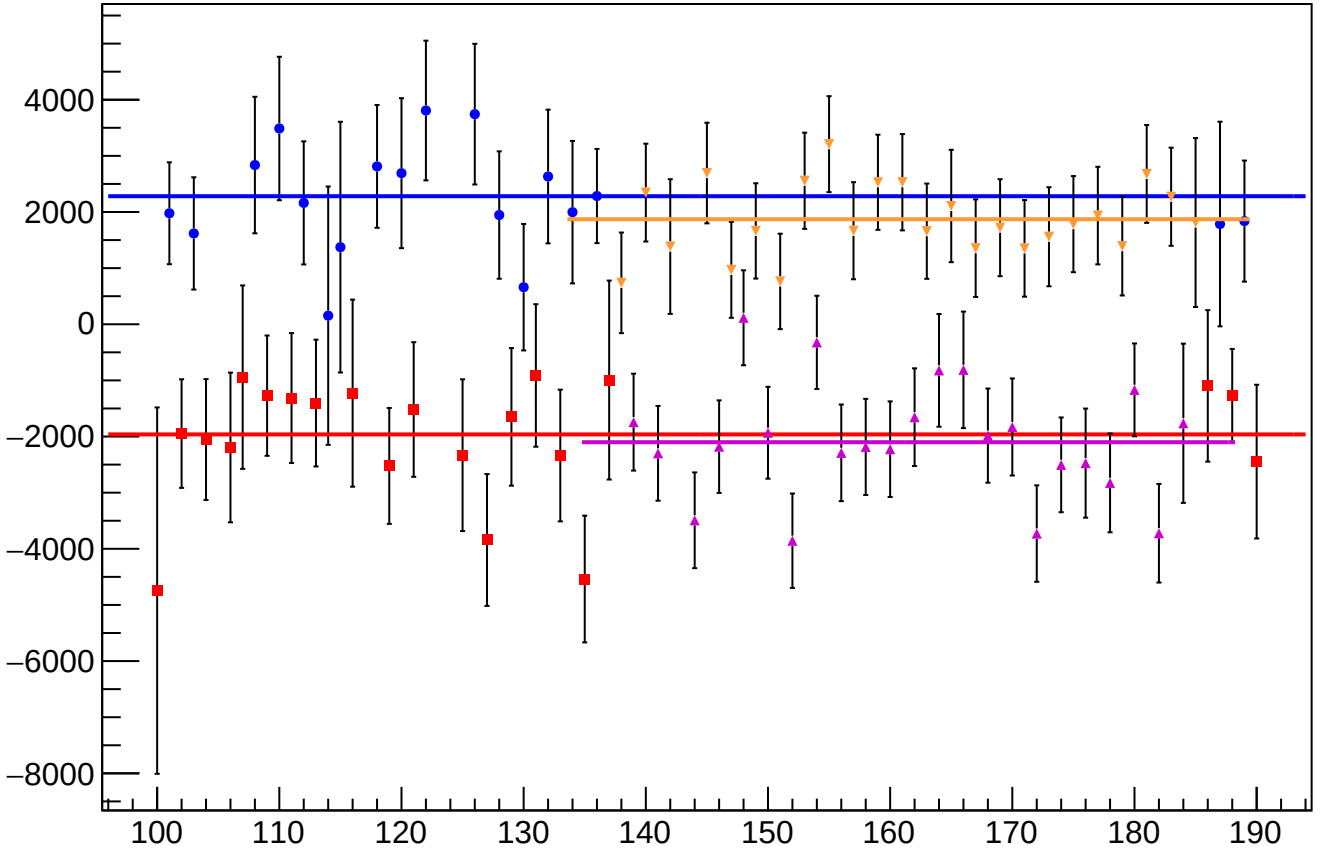
Left In: 1384.333+/-0.233 χ^2/NDF:1269936.6/22

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

All: 1339.855+/-0.132 χ^2/NDF: 4168202.9/85

- sign 1352.096+/-0.187 χ^2/NDF: 2099064.8/43

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: -1961.895+/-264.819 χ^2/NDF: 13.0/20

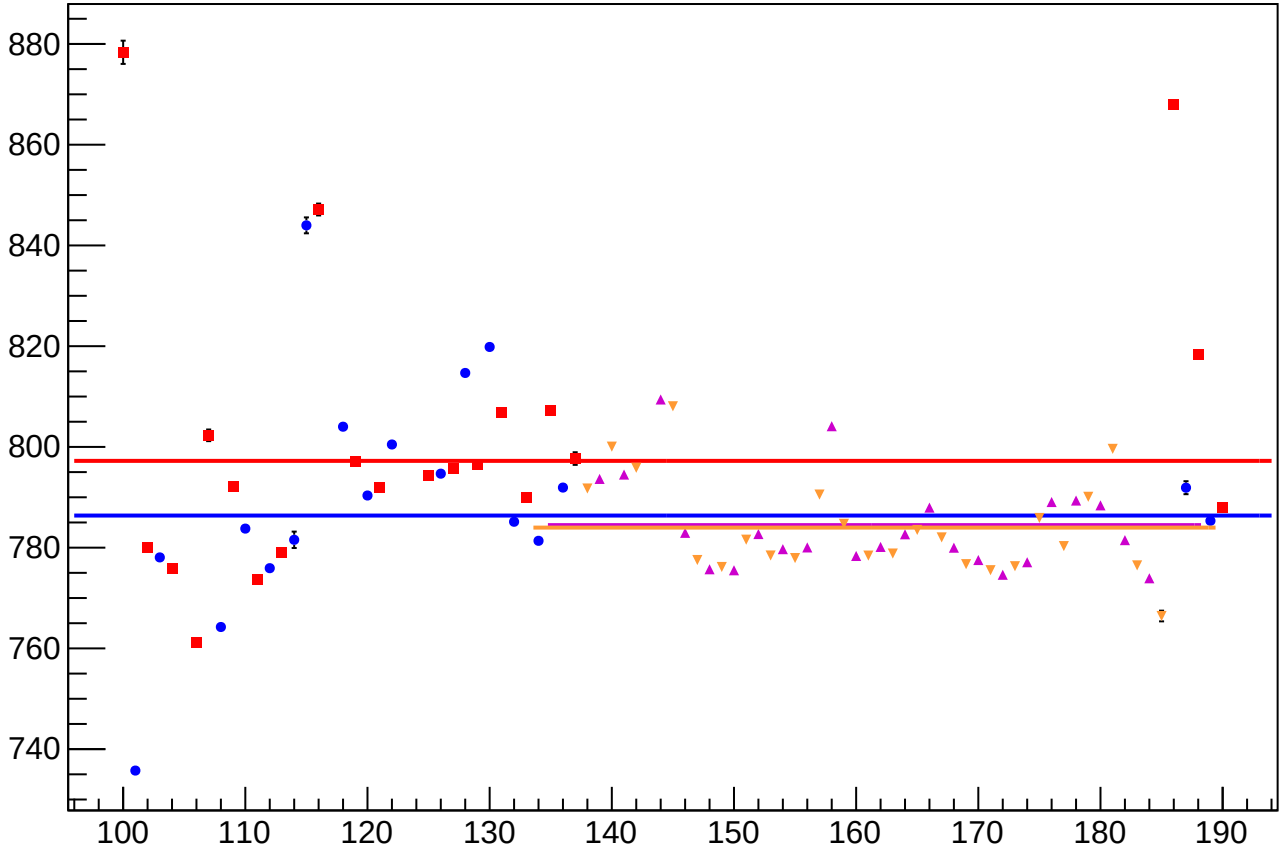
Left In: -2101.047+/-183.179 χ^2/NDF:31.8/22

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

All: -54.017+/-107.129 χ^2/NDF: 424.6/85

- sign -2056.014+/-150.651 χ^2/NDF: 44.9/43

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: 797.230+/-0.187 χ^2/NDF: 14600.0/20

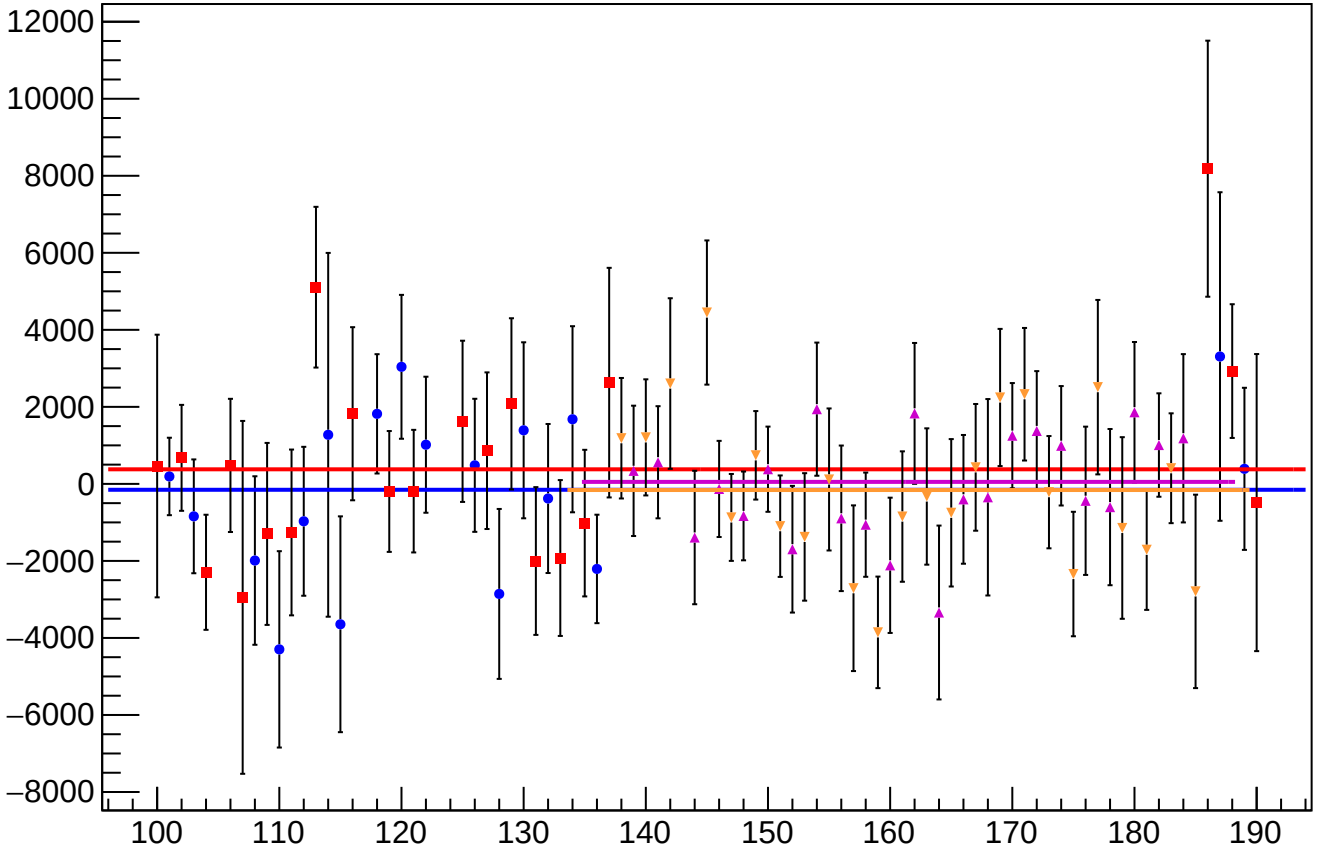
Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

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

All: 786.671+/-0.076 χ^2/NDF: 40954.0/85

- sign 788.601+/-0.107 χ^2/NDF: 22667.2/43

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: 378.495+/-441.308 χ^2/NDF: 23.3/20

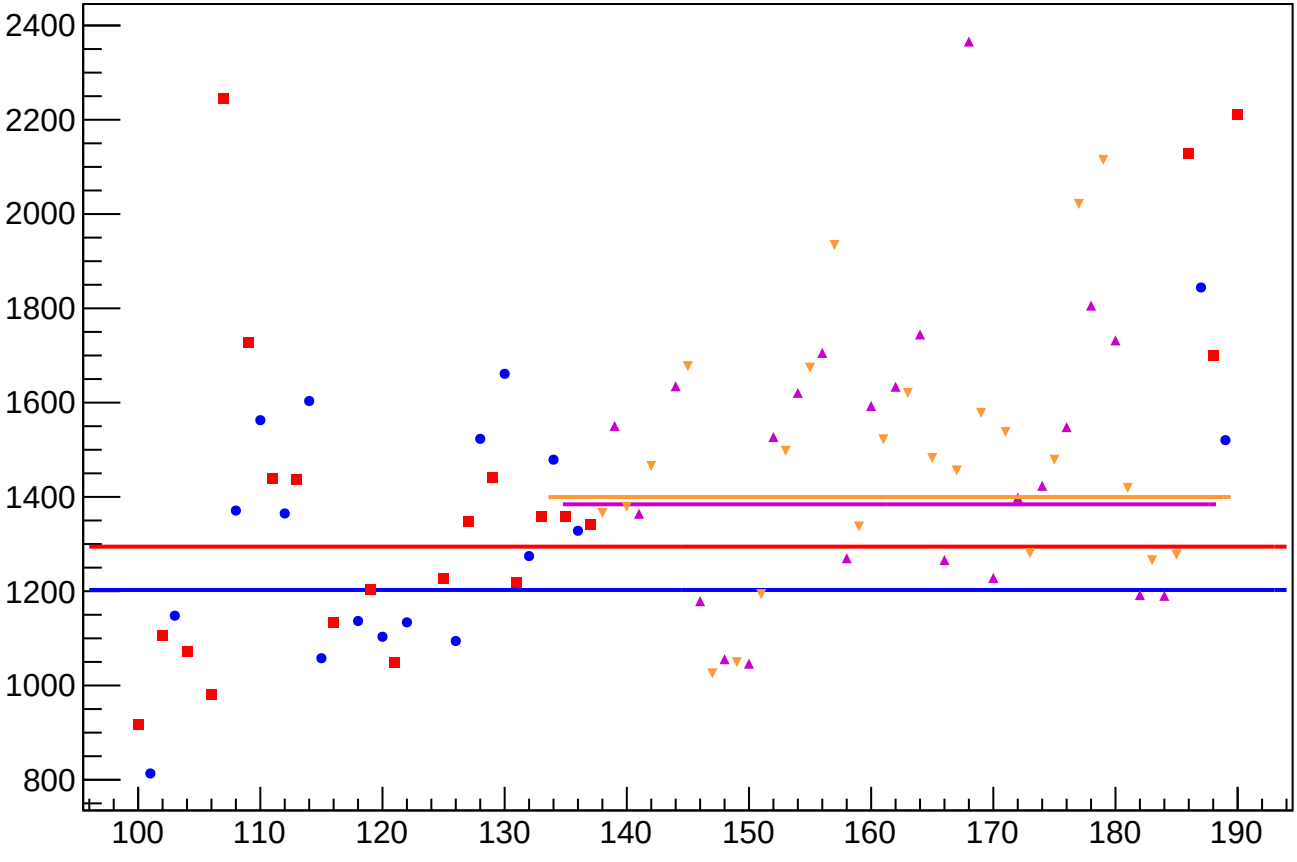
Left In: 51.975+/-330.207 χ^2/NDF:13.4/22

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

All: 6.191+/-186.998 χ^2/NDF: 83.0/85

- sign 169.170+/-264.388 χ^2/NDF: 37.1/43

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: 1294.513+/-0.312 χ^2/NDF: 776021.5/20

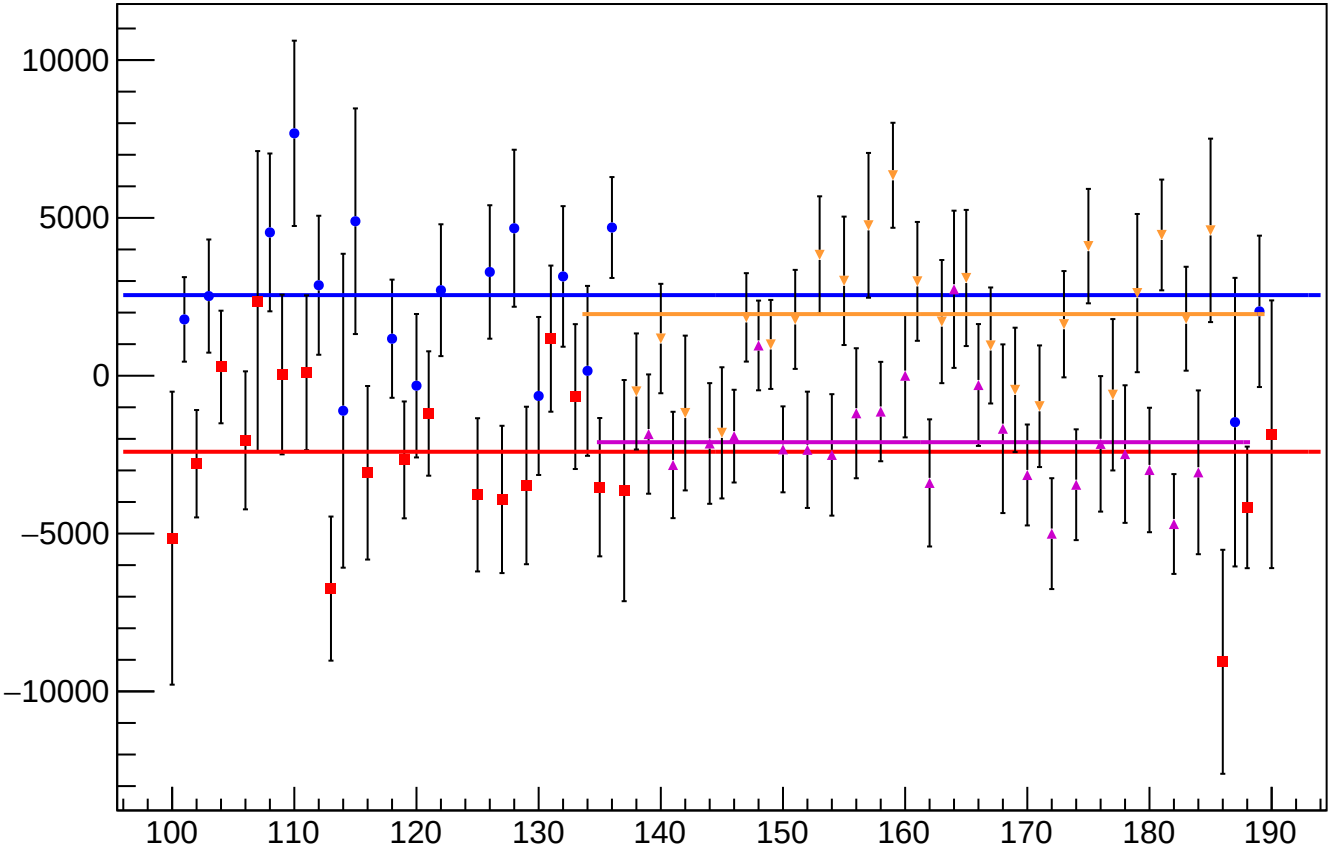
Left In: 1384.336+/-0.233 χ^2/NDF:1269937.1/22

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

All: 1339.855+/-0.132 χ^2/NDF: 4168229.7/85

- sign 1352.097+/-0.187 χ^2/NDF: 2099076.1/43

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: -2408.792+/-517.022 χ^2/NDF: 18.4/20

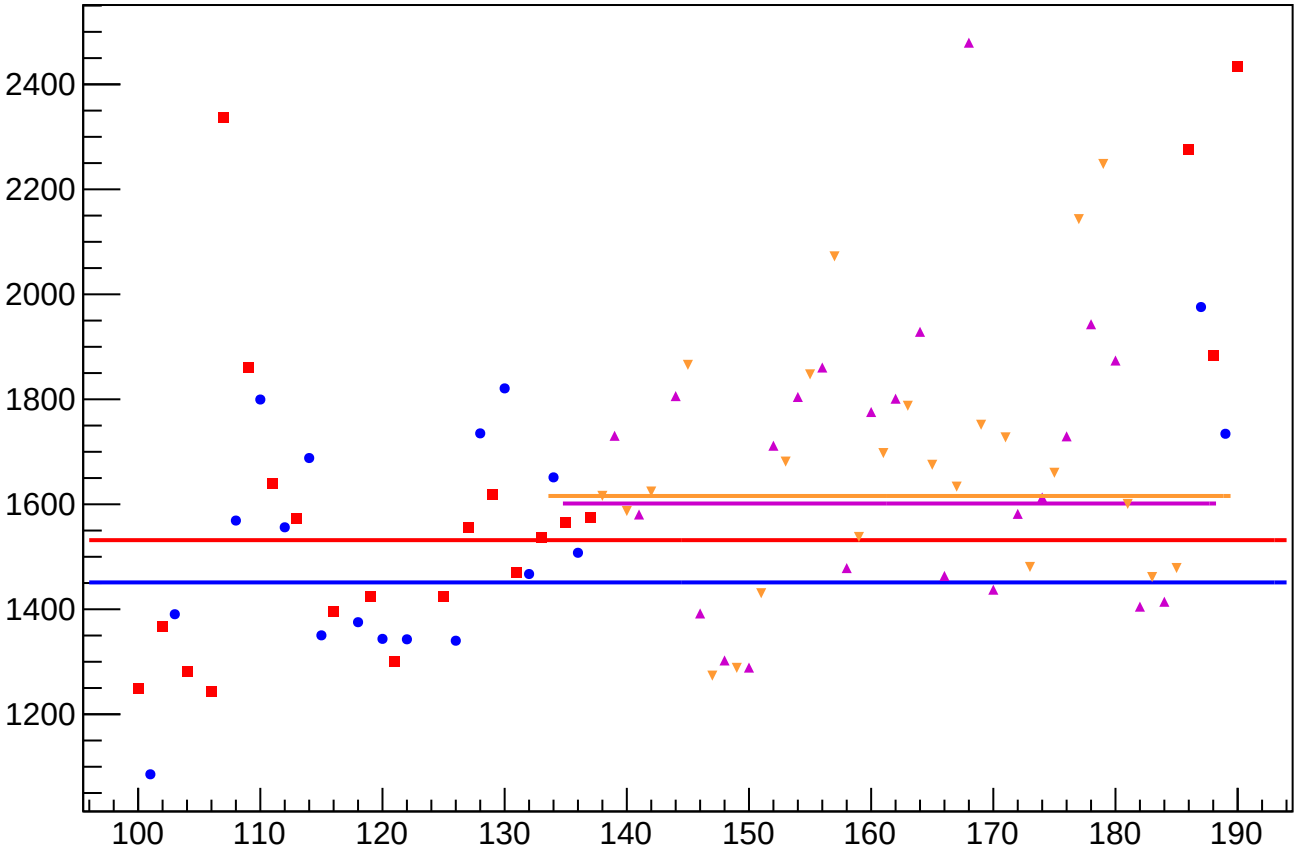
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

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

All: -36.389+/-216.714 χ^2/NDF: 180.3/85

- sign -2211.473+/-305.696 χ^2/NDF: 37.2/43

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

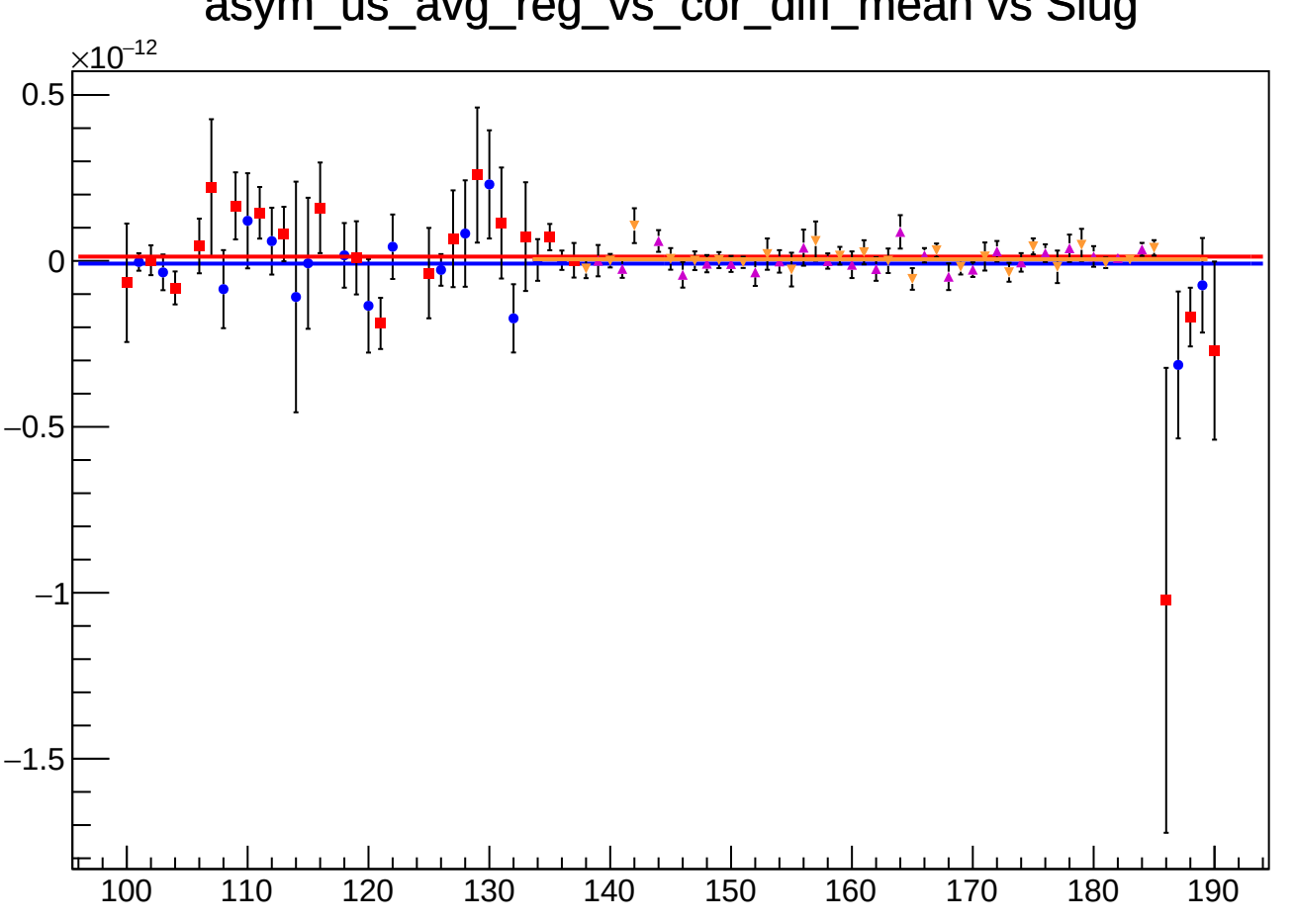
Right Out: 1531.689+/-0.366 χ^2/NDF: 487850.2/20

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

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

All: 1567.941+/-0.153 χ^2/NDF: 2484242.6/85

- sign 1577.092+/-0.216 χ^2/NDF: 1305286.4/43



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

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

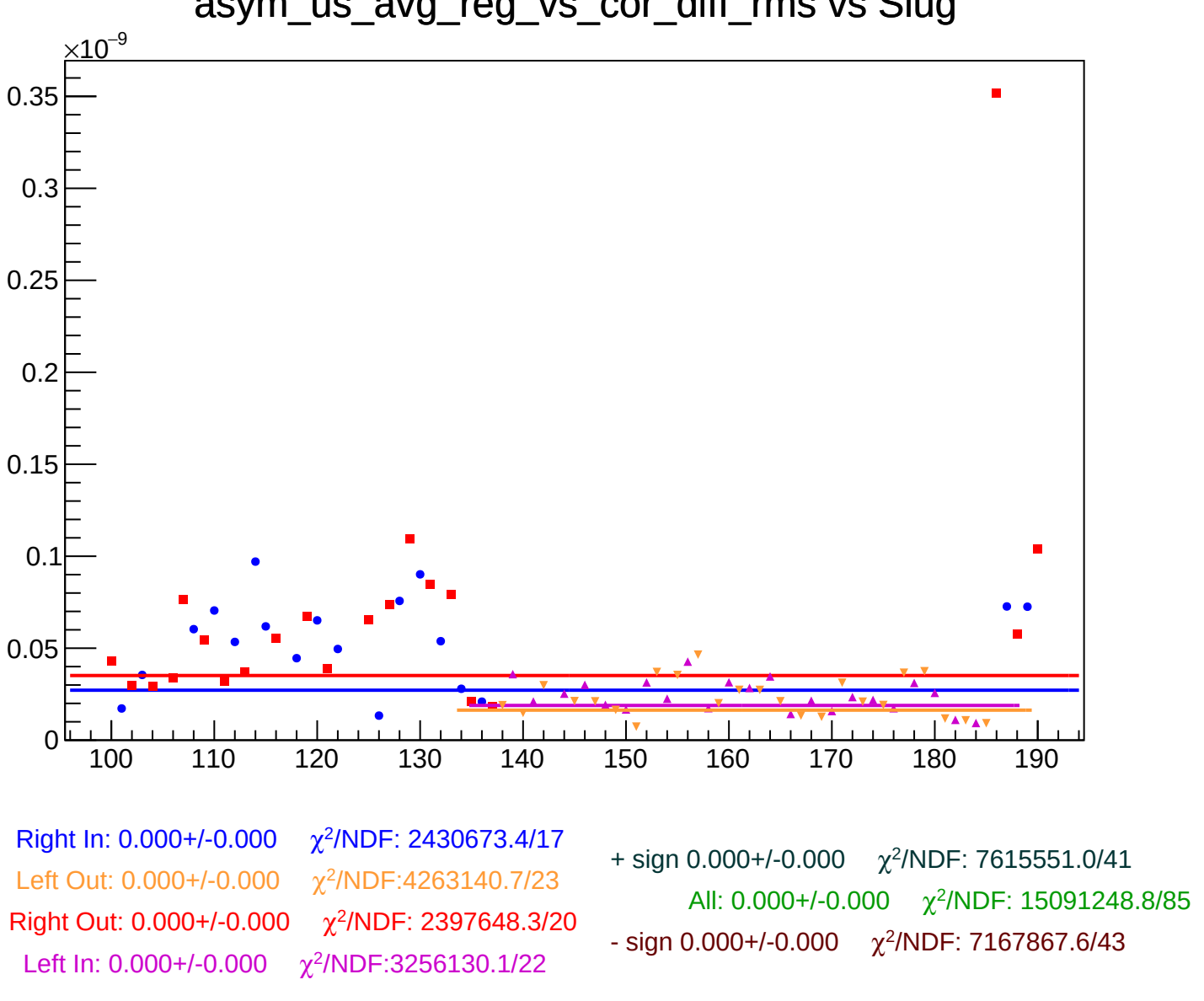
Right Out: 0.000+/-0.000 χ^2/NDF: 30.9/20

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

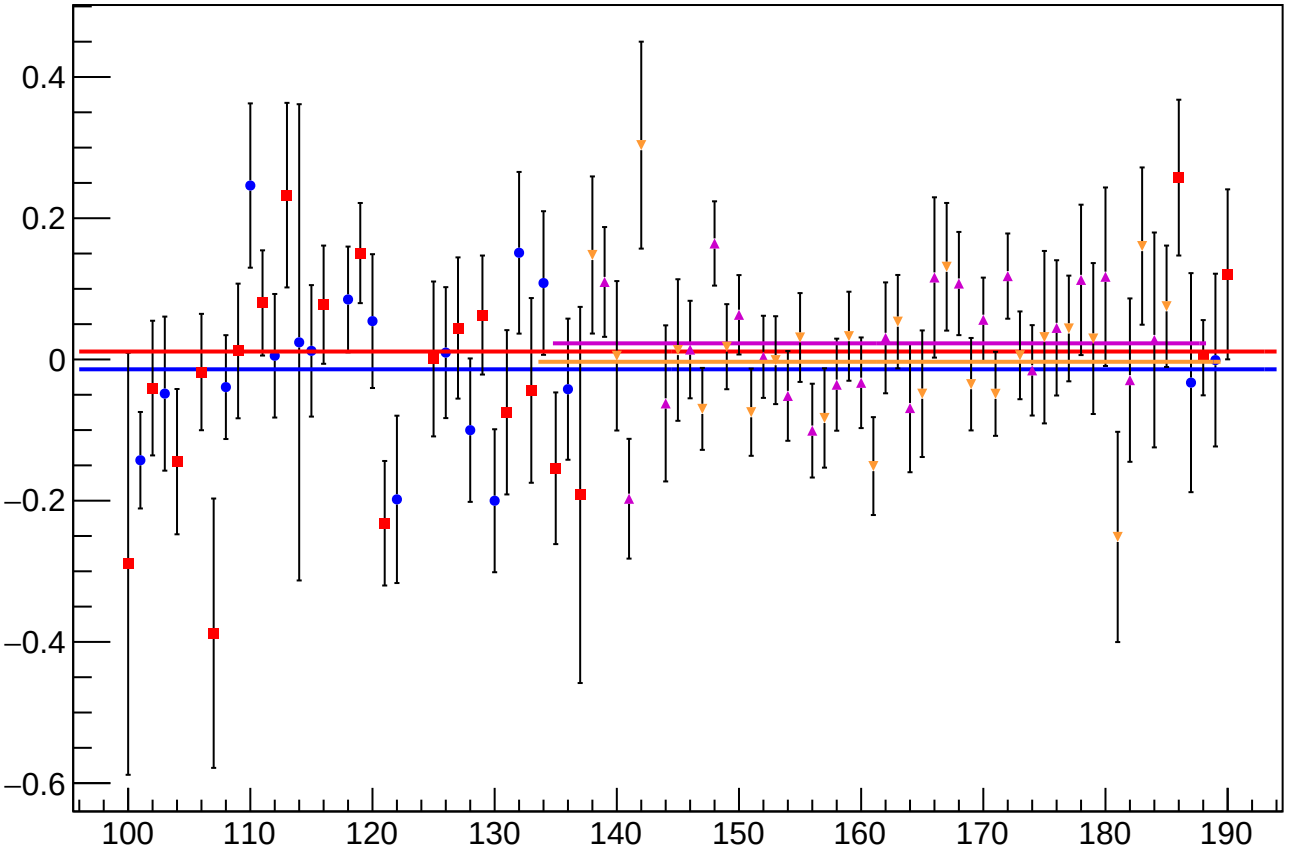
+ sign 0.000+/-0.000 χ^2/NDF: 32.3/41

All: 0.000+/-0.000 χ^2/NDF: 82.9/85

- sign 0.000+/-0.000 χ^2/NDF: 50.4/43


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: 2397648.3/20
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: 15091248.8/85
- sign 0.000+/-0.000 χ²/NDF: 7167867.6/43

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

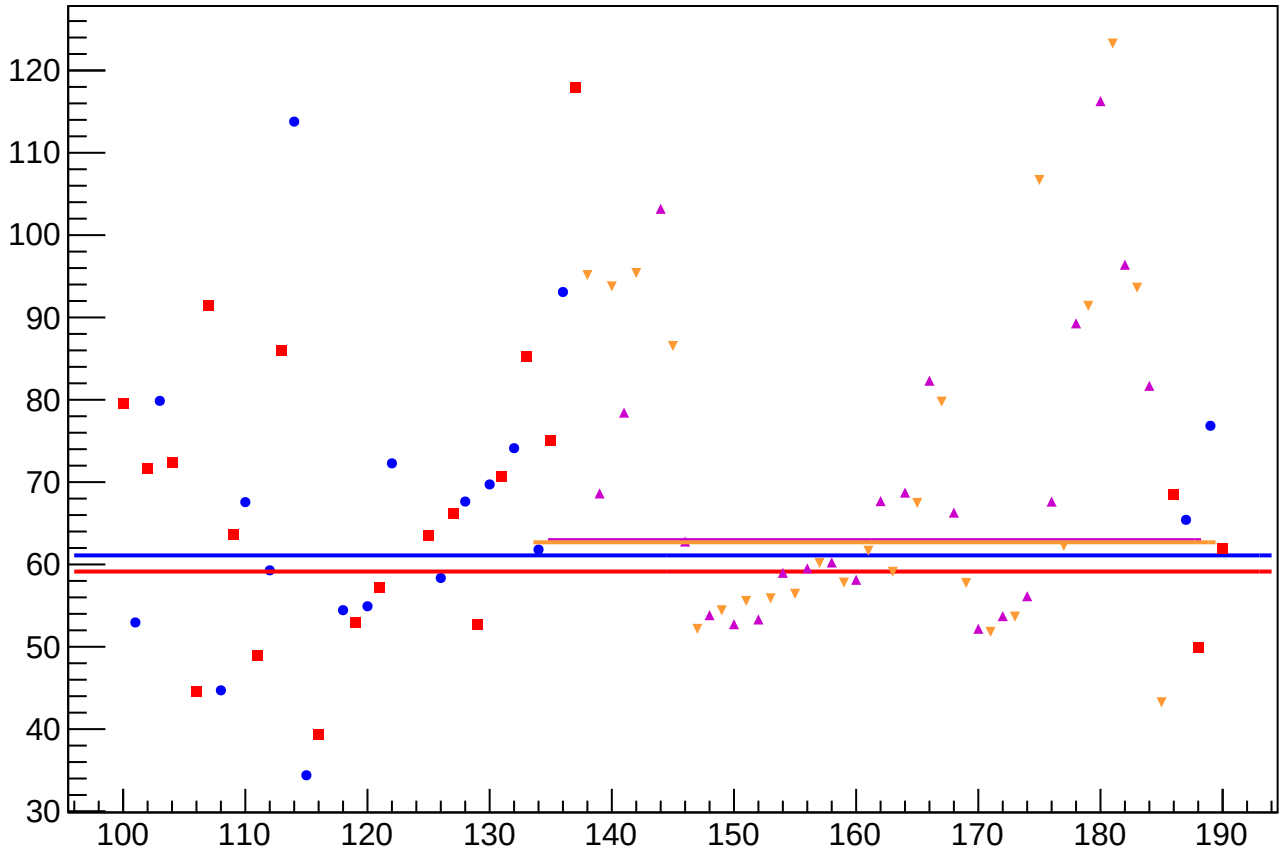
Right Out: 0.011+/-0.021 χ^2/NDF: 33.9/20

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: 112.5/85

- sign 0.019+/-0.012 χ^2/NDF: 63.1/43



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

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

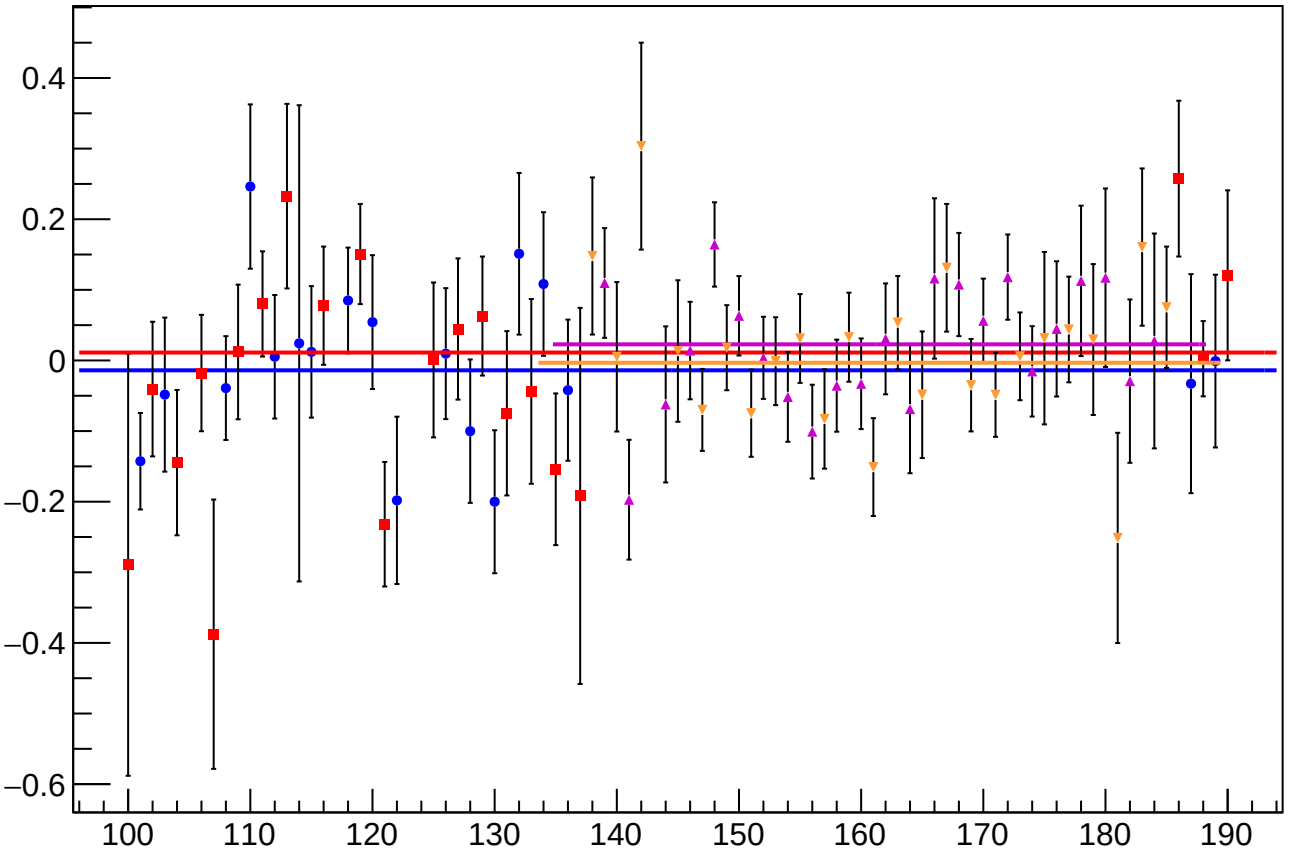
Right Out: 59.138+/-0.015 χ^2/NDF: 792714.0/20

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

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

All: 61.896+/-0.006 χ^2/NDF: 4953659.4/85

- sign 61.609+/-0.009 χ^2/NDF: 2265973.3/43



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

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

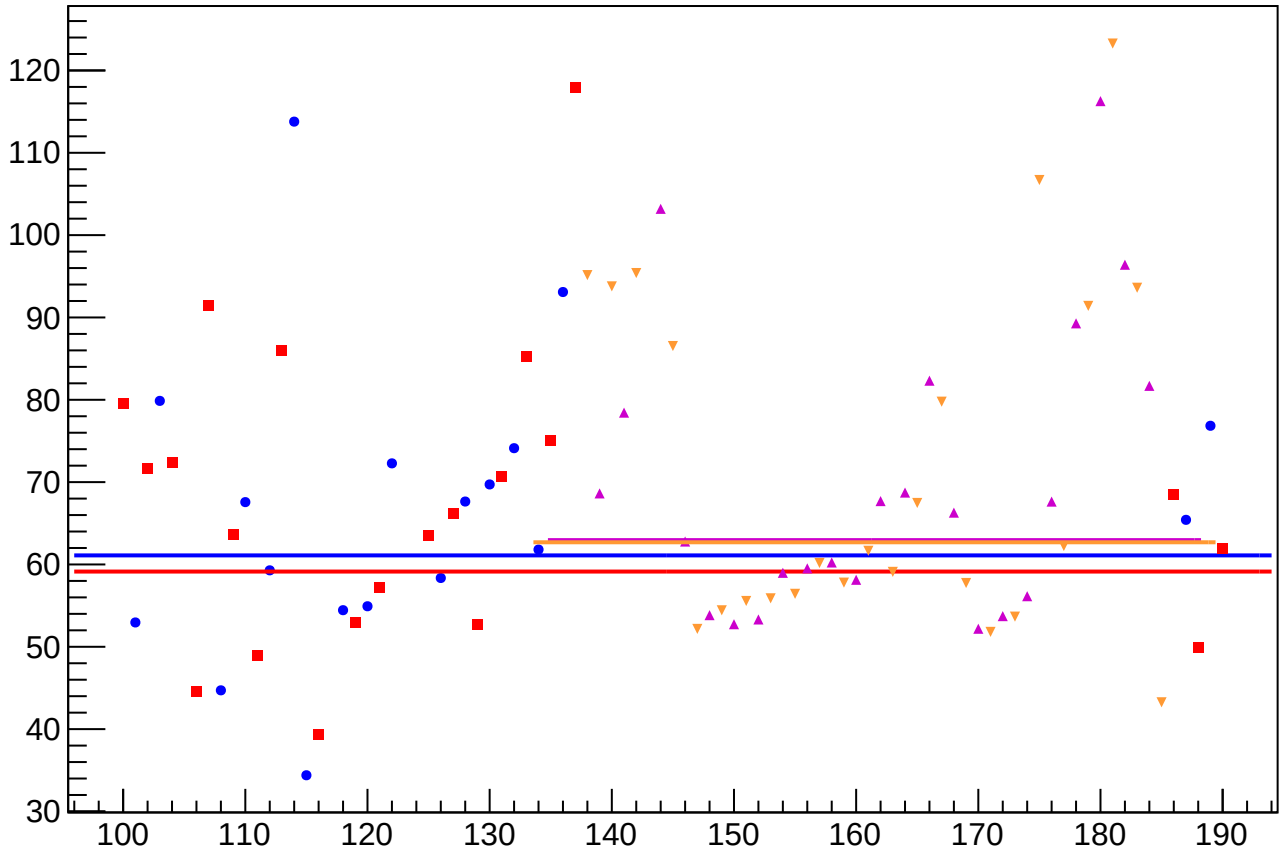
Right Out: 0.011+/-0.021 χ^2/NDF: 33.9/20

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: 112.5/85

- sign 0.019+/-0.012 χ^2/NDF: 63.1/43



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: 59.138+/-0.015 χ^2/NDF: 792714.0/20

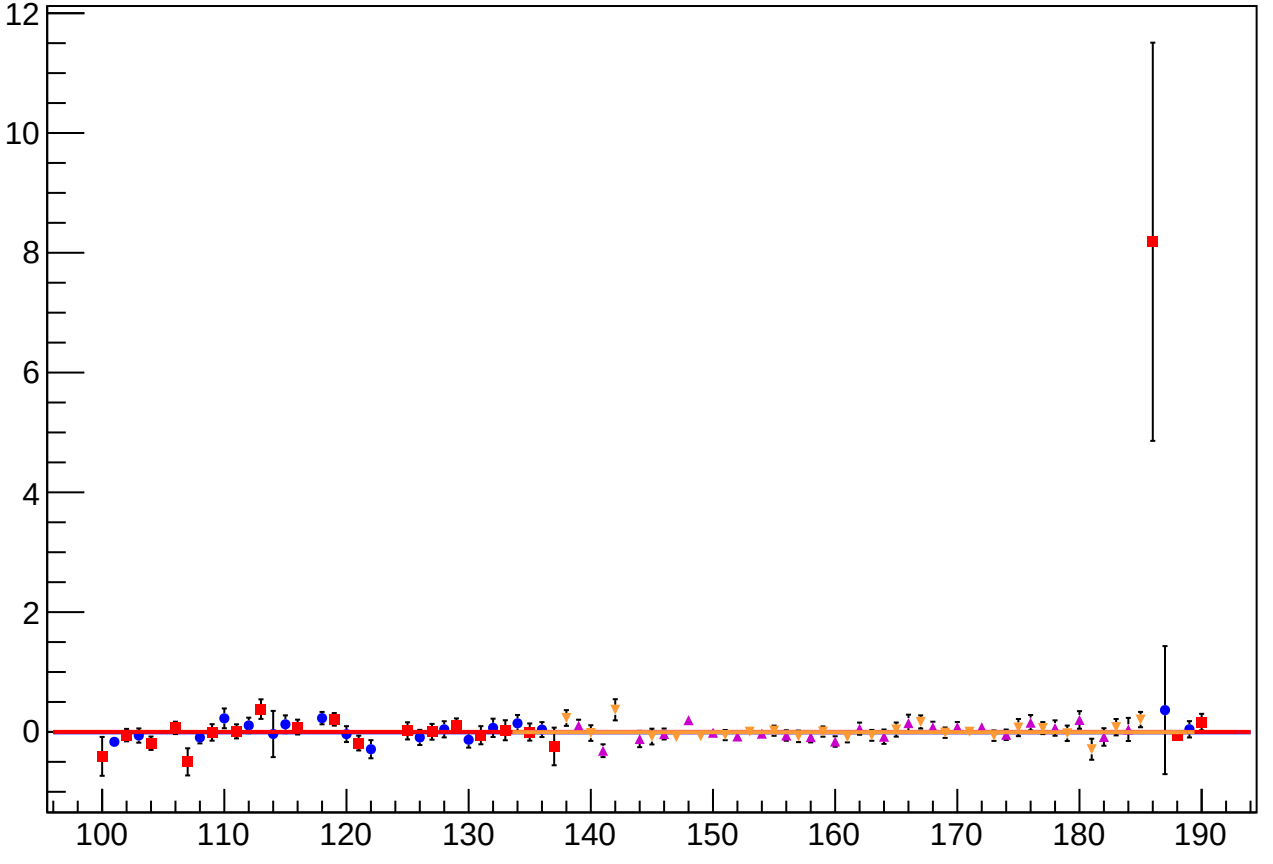
Left In: 62.956+/-0.011 χ^2/NDF:1430426.1/22

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

All: 61.896+/-0.006 χ^2/NDF: 4953659.4/85

- sign 61.609+/-0.009 χ^2/NDF: 2265973.3/43

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: 0.000+/-0.029 χ^2/NDF: 32.0/20

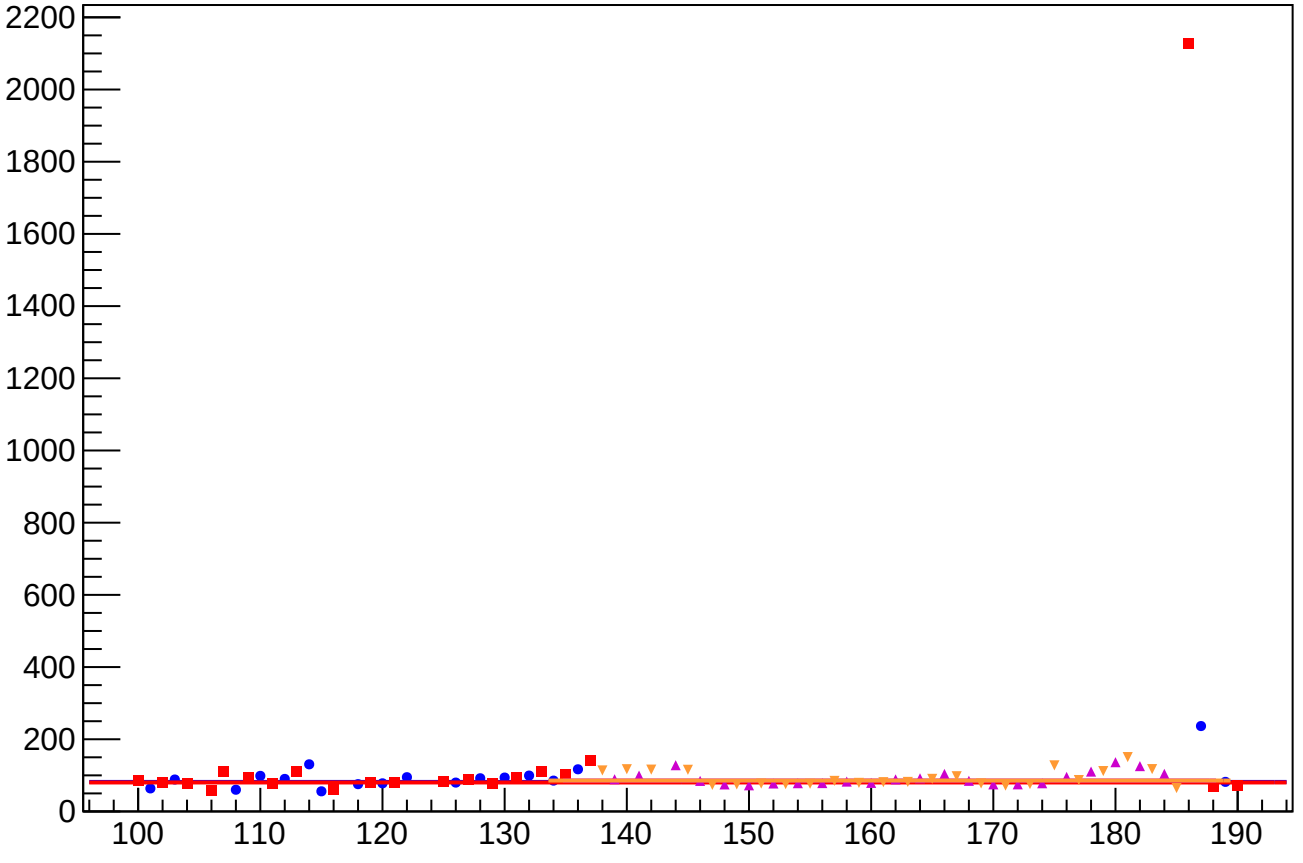
Left In: -0.002+/-0.021 χ^2/NDF:30.5/22

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

All: -0.003+/-0.012 χ^2/NDF: 104.3/85

- sign -0.001+/-0.017 χ^2/NDF: 62.5/43

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

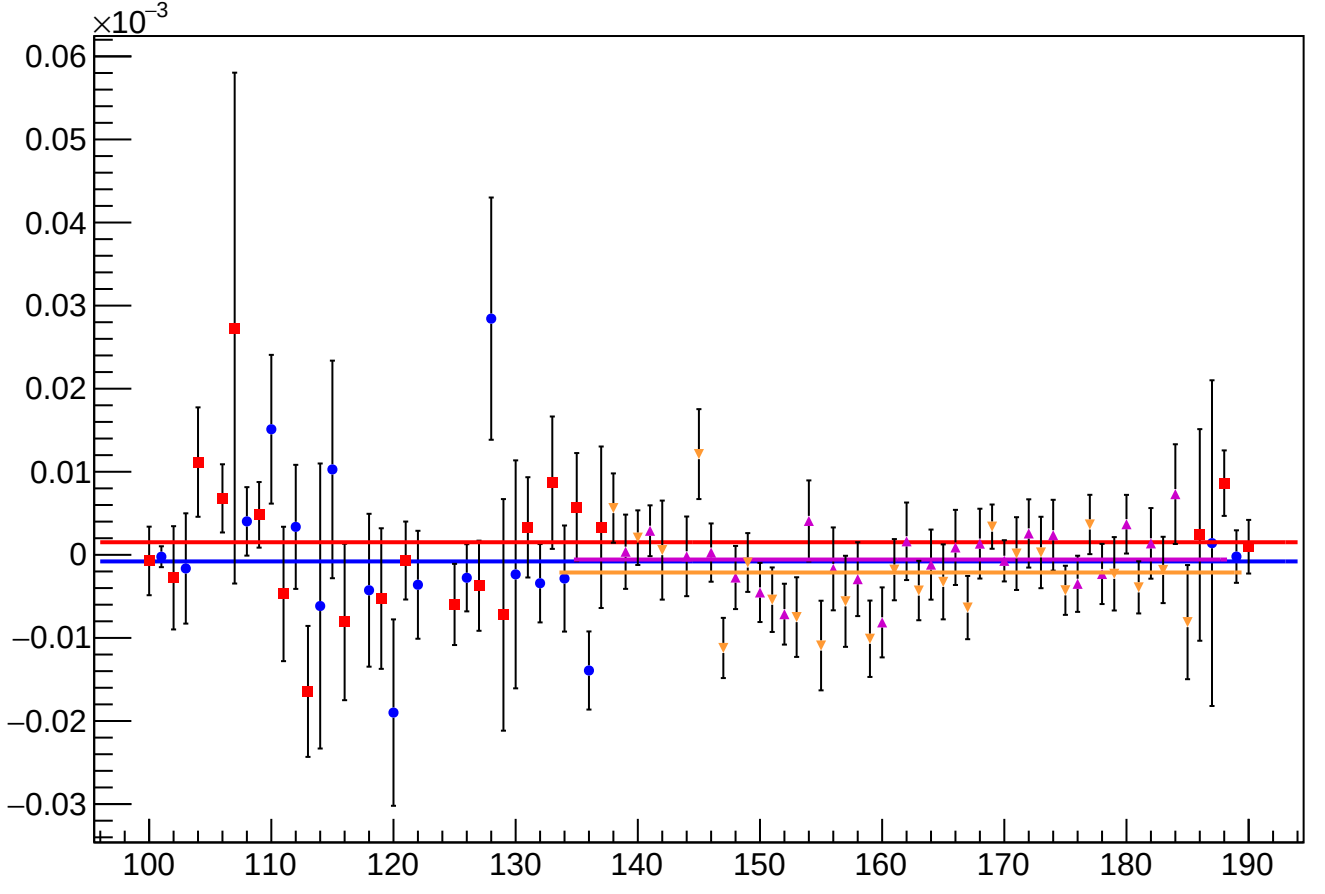
Right Out: 80.308+/-0.020 χ^2/NDF: 1301166.8/20

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

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

All: 84.137+/-0.008 χ^2/NDF: 4322785.9/85

- sign 83.833+/-0.012 χ^2/NDF: 2343399.9/43



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: 22.0/20

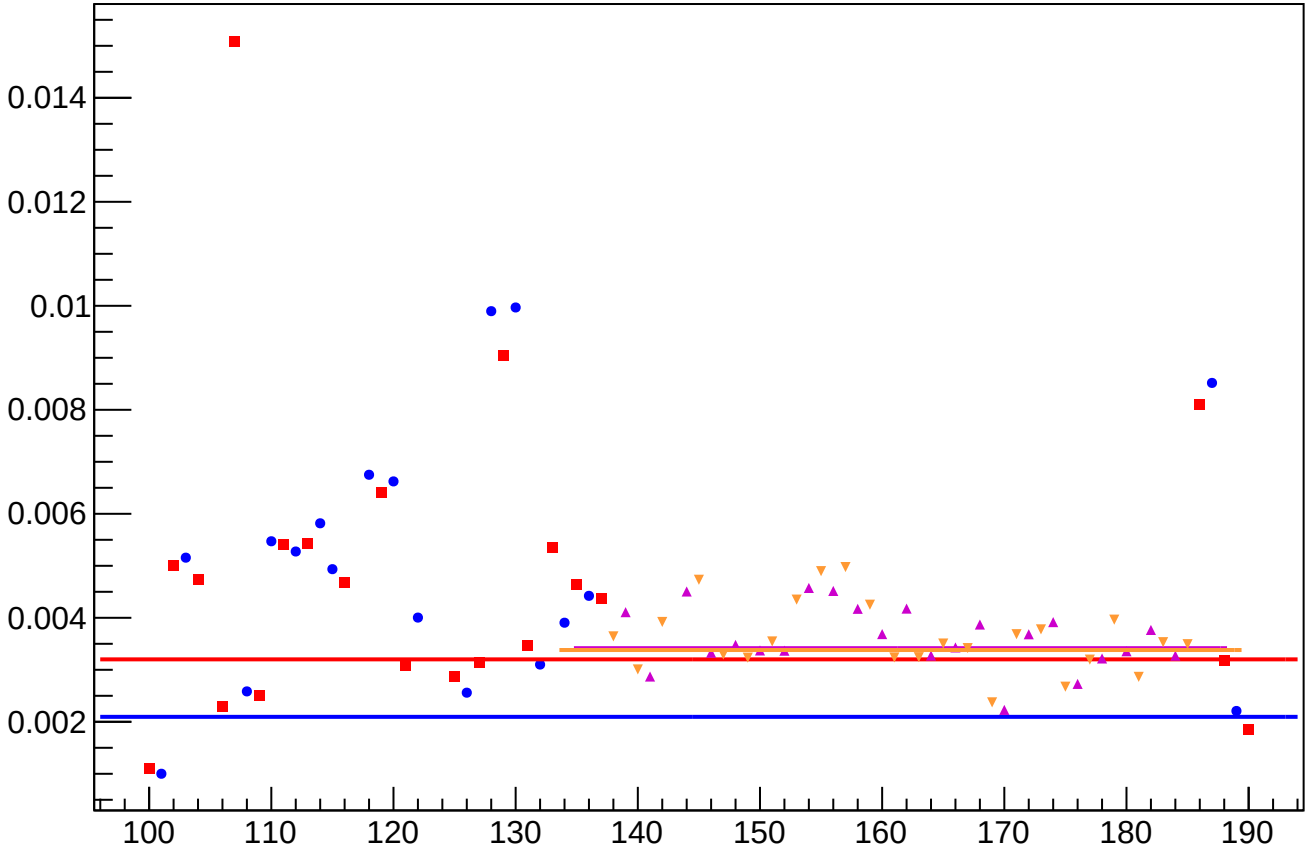
Left In: -0.000+/-0.000 χ^2/NDF:16.6/22

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

All: -0.000+/-0.000 χ^2/NDF: 103.7/85

- sign 0.000+/-0.000 χ^2/NDF: 40.6/43

asym_us_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 6032120.8/17

Left Out: 0.003+/-0.000 χ^2/NDF:1195636.0/23

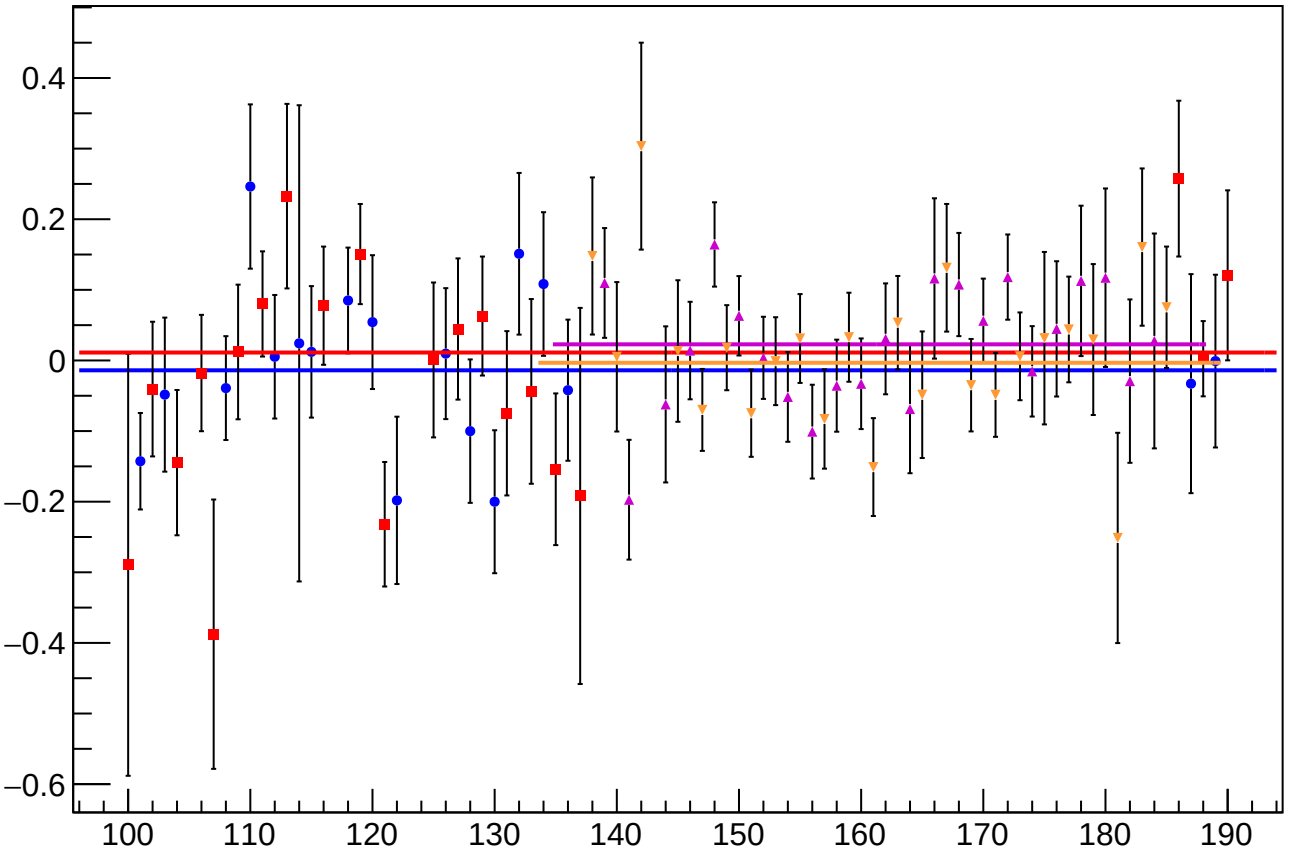
Right Out: 0.003+/-0.000 χ^2/NDF: 3177615.0/20

Left In: 0.003+/-0.000 χ^2/NDF:1170356.5/22

+ sign 0.003+/-0.000 χ^2/NDF: 9331871.1/41

All: 0.003+/-0.000 χ^2/NDF: 14318820.7/85

- sign 0.003+/-0.000 χ^2/NDF: 4390440.1/43



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

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

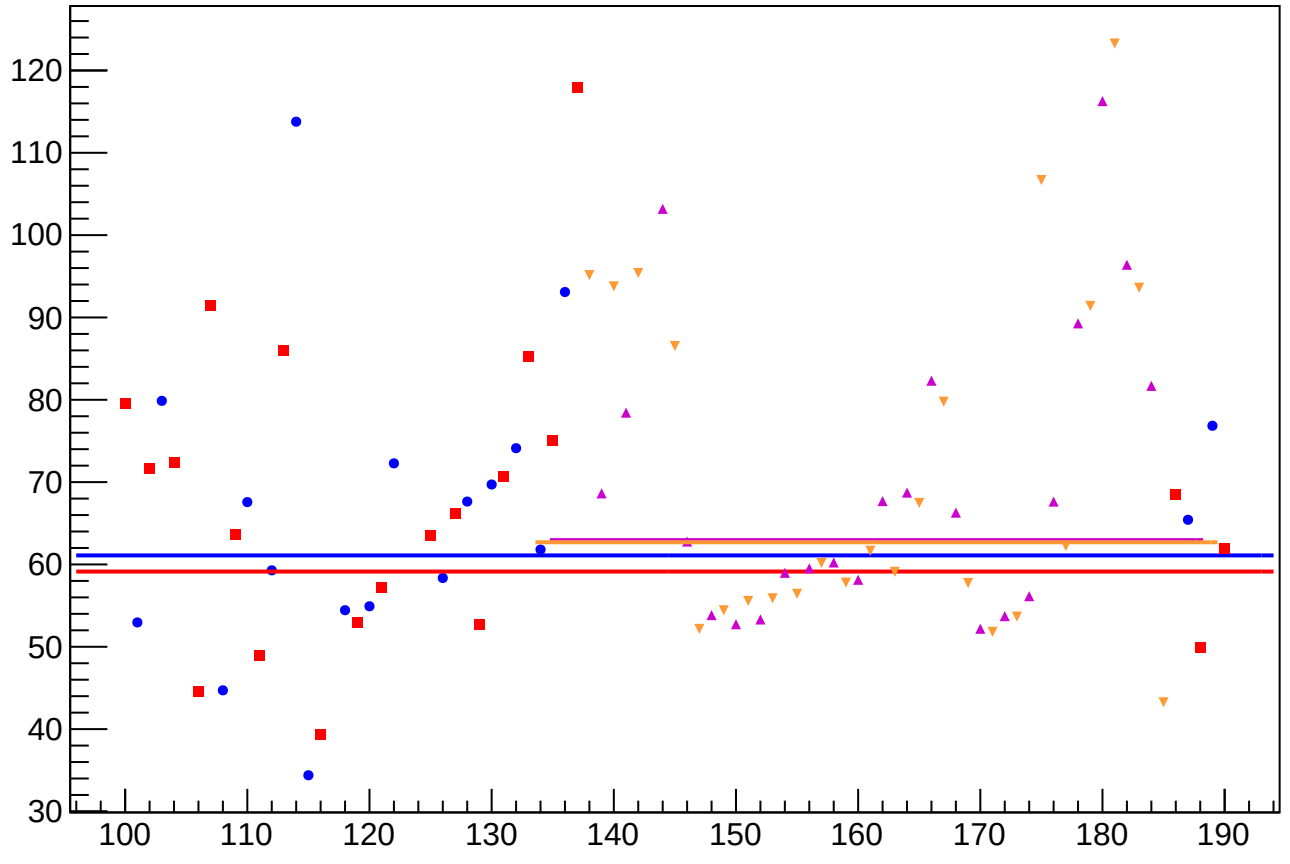
Right Out: 0.011+/-0.021 χ^2/NDF: 33.9/20

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: 112.5/85

- sign 0.019+/-0.012 χ^2/NDF: 63.1/43



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

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

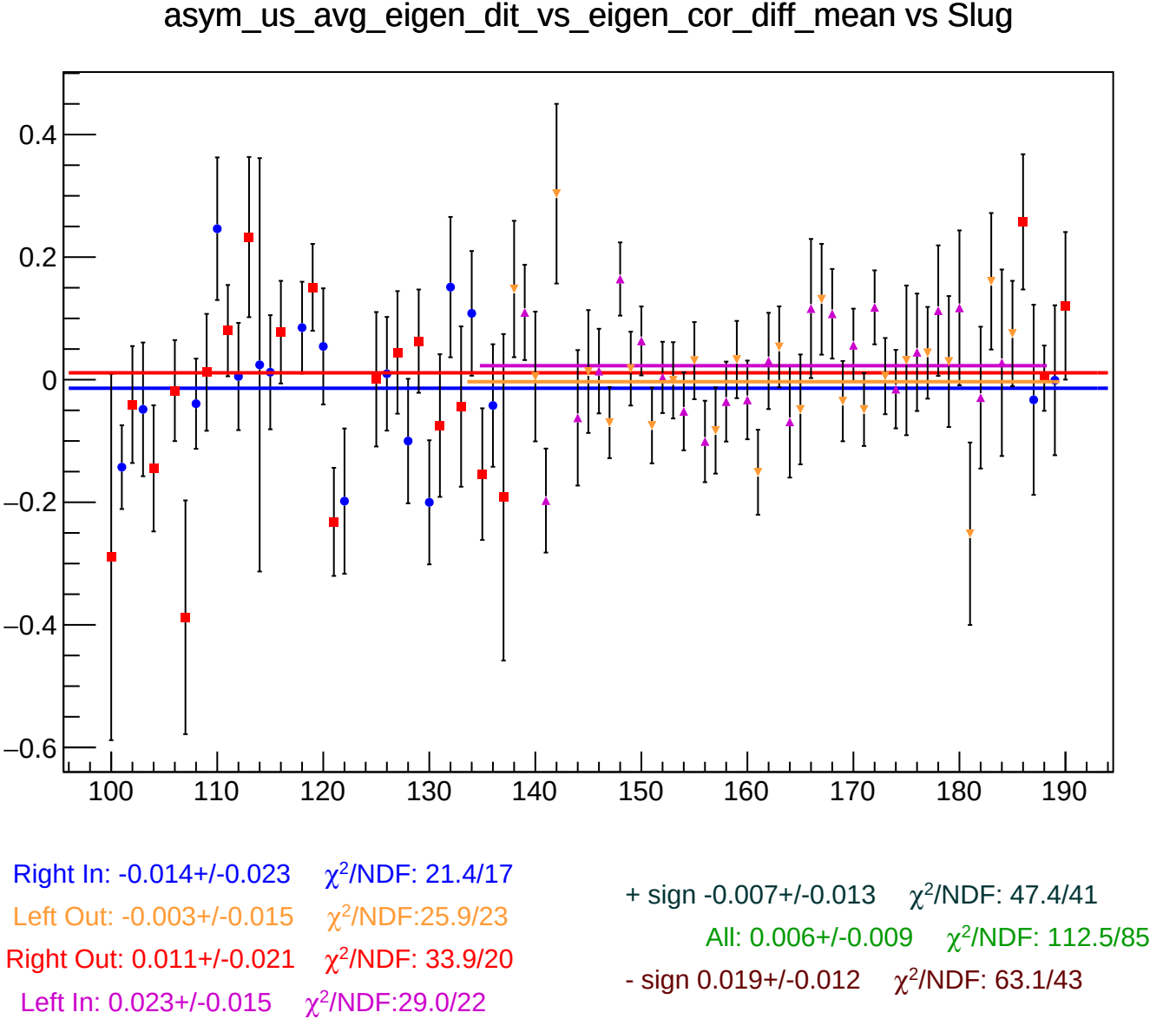
Right Out: 59.137+/-0.015 χ^2/NDF: 792705.8/20

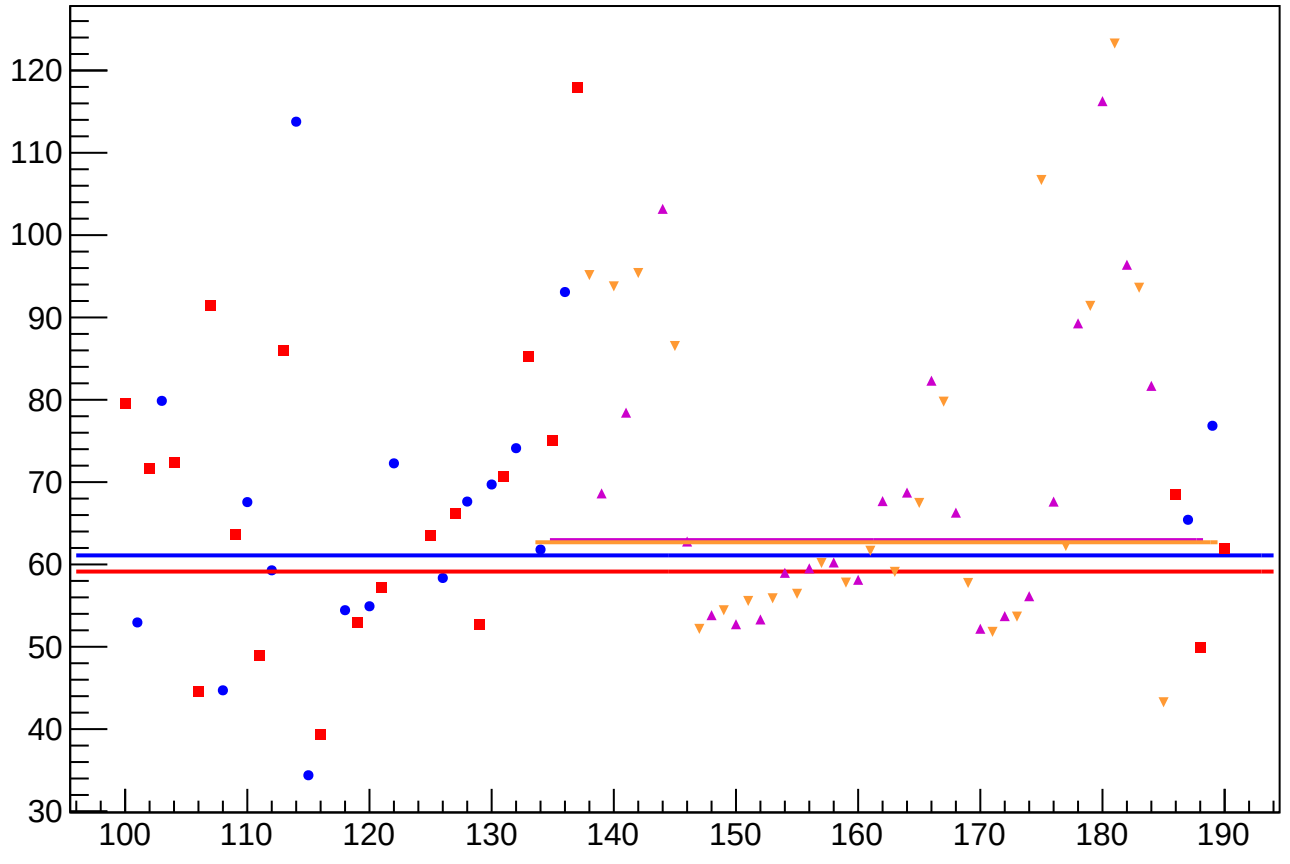
Left In: 62.956+/-0.011 χ^2/NDF:1430401.4/22

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

All: 61.895+/-0.006 χ^2/NDF: 4953678.4/85

- sign 61.609+/-0.009 χ^2/NDF: 2265970.8/43


asym_us_avg_eigen_dit_vs_eigen_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: -0.014+/-0.023 χ²/NDF: 21.4/17
Left Out: -0.003+/-0.015 χ²/NDF:25.9/23
Right Out: 0.011+/-0.021 χ²/NDF: 33.9/20
Left In: 0.023+/-0.015 χ²/NDF:29.0/22
+ sign -0.007+/-0.013 χ²/NDF: 47.4/41
All: 0.006+/-0.009 χ²/NDF: 112.5/85
- sign 0.019+/-0.012 χ²/NDF: 63.1/43



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

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

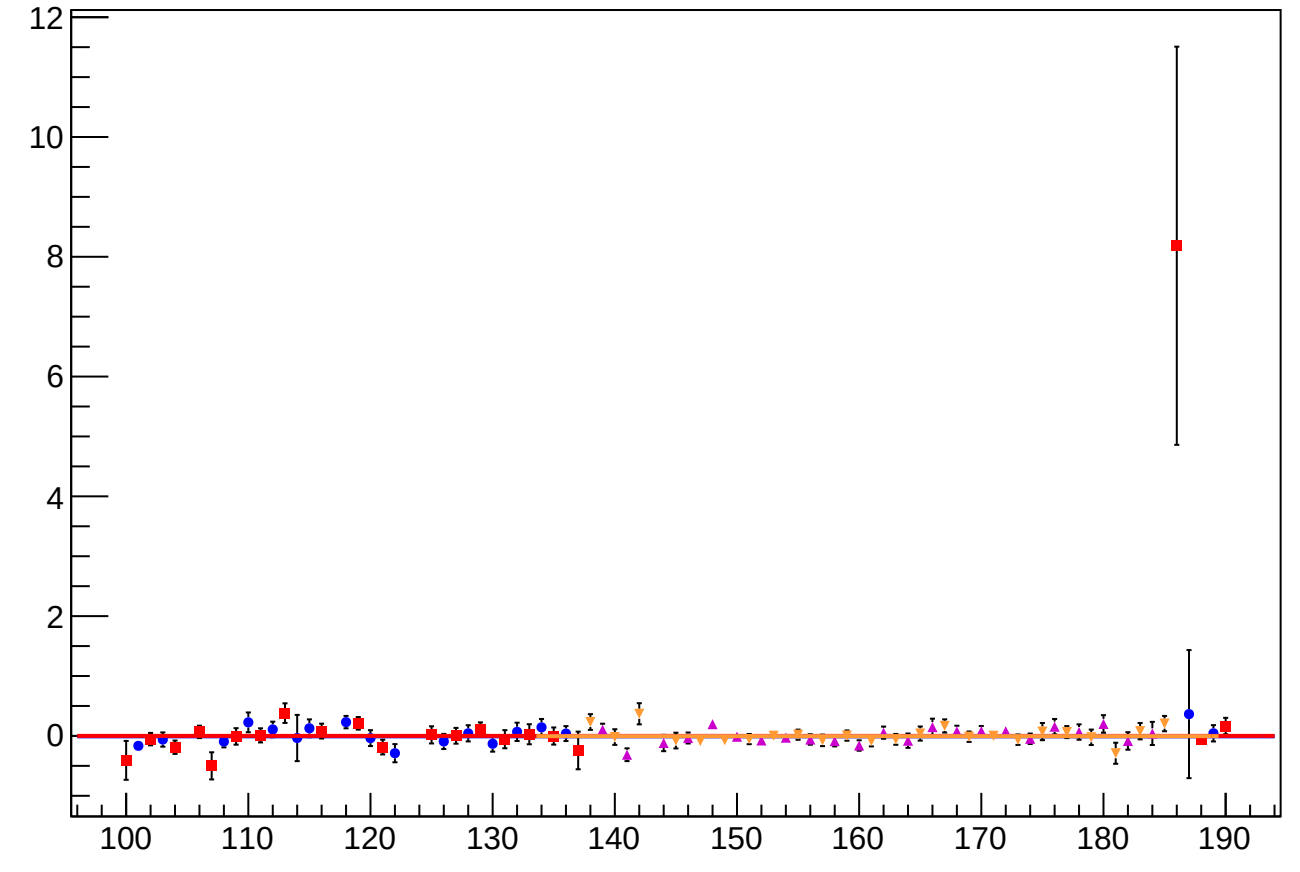
Right Out: 59.137+/-0.015 χ^2/NDF: 792705.8/20

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: 4953678.4/85

- sign 61.609+/-0.009 χ^2/NDF: 2265970.8/43



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

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

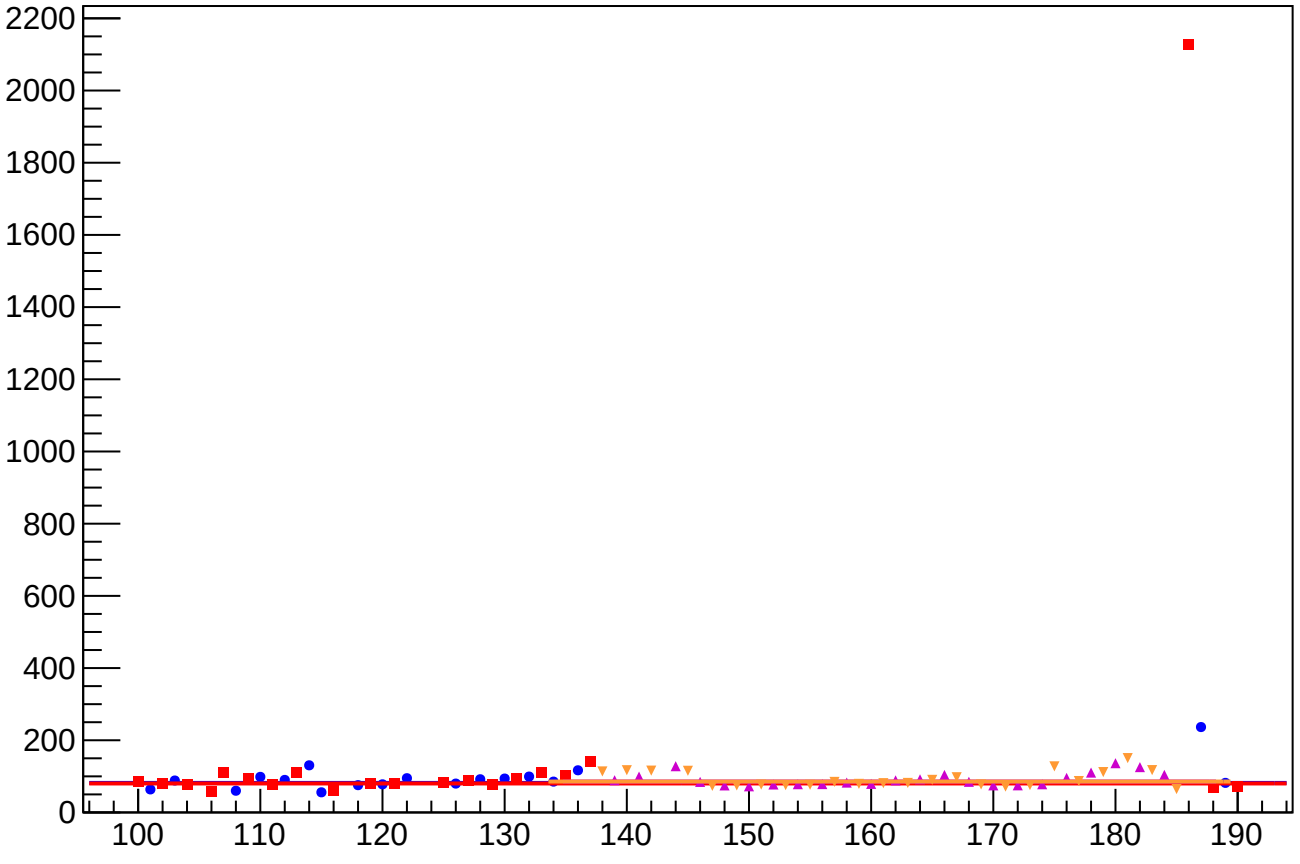
Right Out: 0.000+/-0.029 χ^2/NDF: 32.0/20

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

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

All: -0.003+/-0.012 χ^2/NDF: 104.3/85

- sign -0.001+/-0.017 χ^2/NDF: 62.5/43



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

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

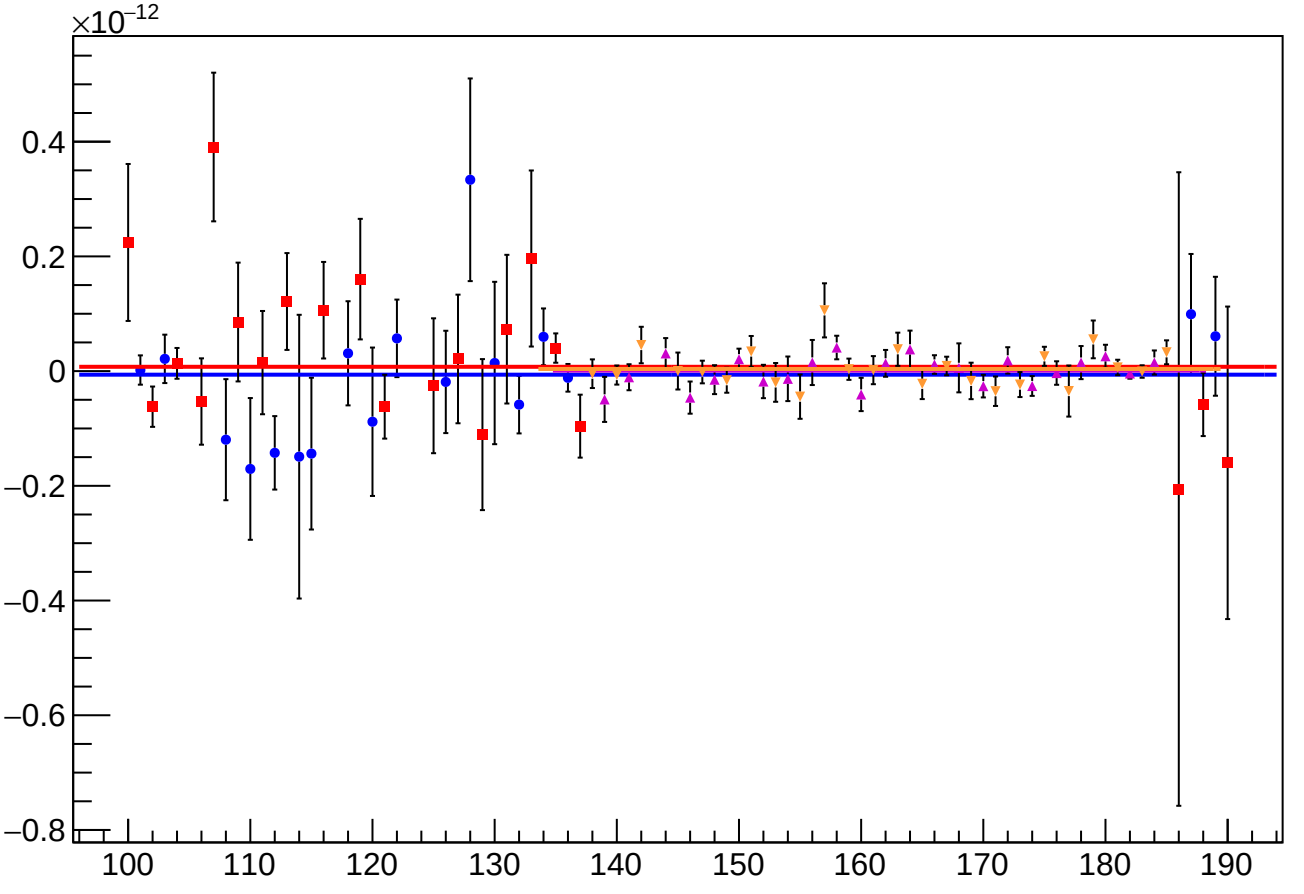
Right Out: 80.307+/-0.020 χ^2/NDF: 1301149.0/20

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

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

All: 84.136+/-0.008 χ^2/NDF: 4322766.7/85

- sign 83.833+/-0.012 χ^2/NDF: 2343389.8/43



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

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

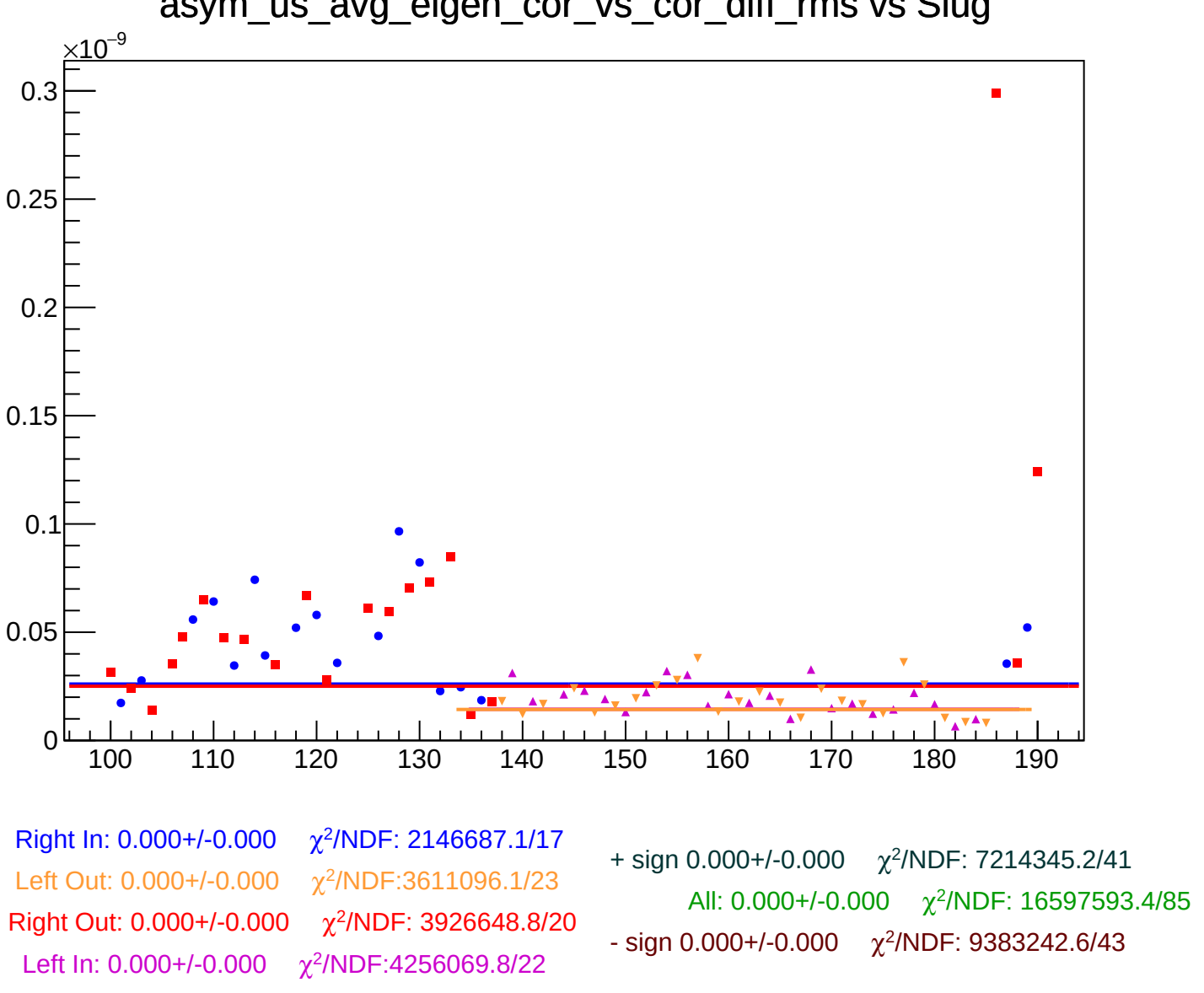
Right Out: 0.000+/-0.000 χ^2/NDF: 33.1/20

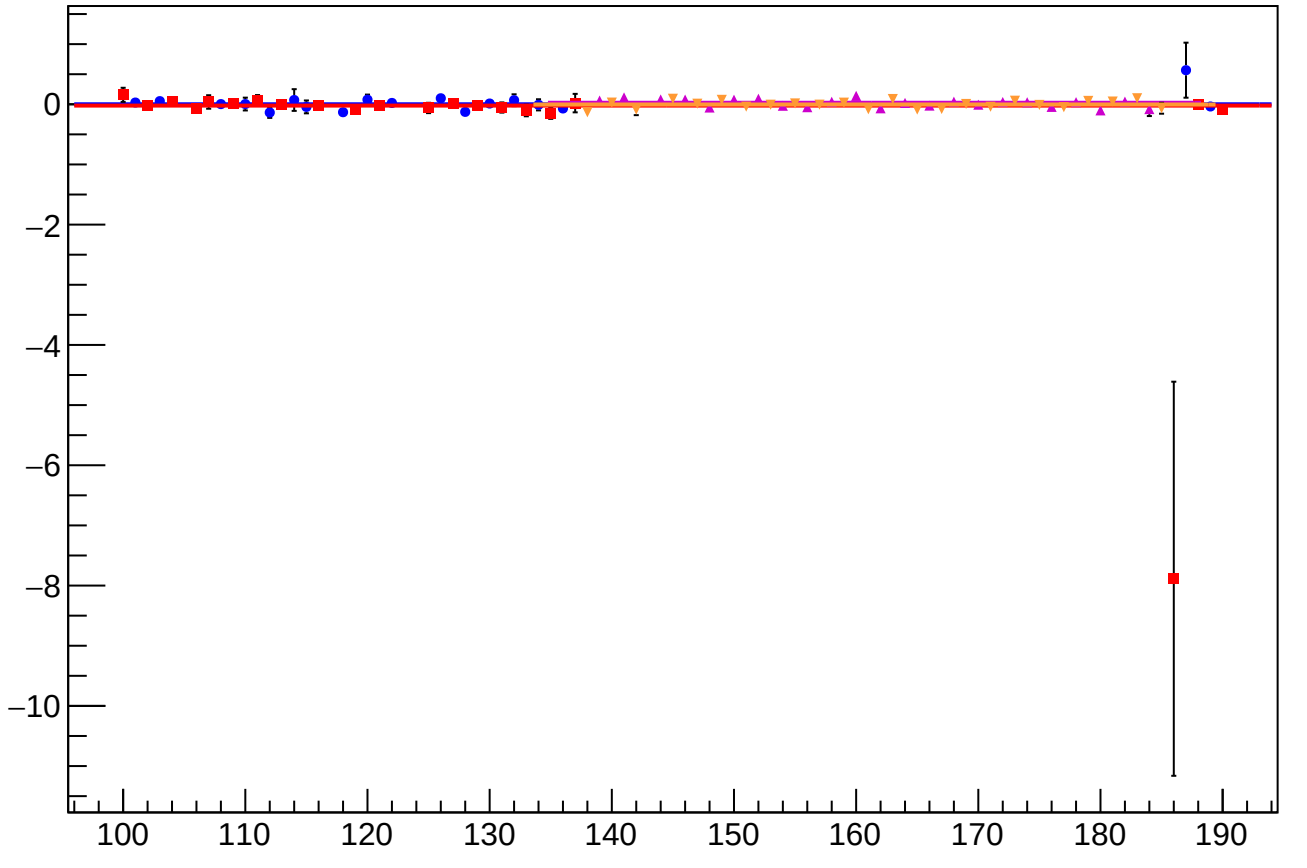
Left In: 0.000+/-0.000 χ^2/NDF:23.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.4/41

All: 0.000+/-0.000 χ^2/NDF: 101.4/85

- sign 0.000+/-0.000 χ^2/NDF: 57.0/43


asym_us_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
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: 2146687.1/17
Left Out: 0.000+/-0.000 χ²/NDF:3611096.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 3926648.8/20
Left In: 0.000+/-0.000 χ²/NDF:4256069.8/22
+ sign 0.000+/-0.000 χ²/NDF: 7214345.2/41
All: 0.000+/-0.000 χ²/NDF: 16597593.4/85
- sign 0.000+/-0.000 χ²/NDF: 9383242.6/43



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: -0.022+/-0.014 χ^2/NDF: 20.3/20

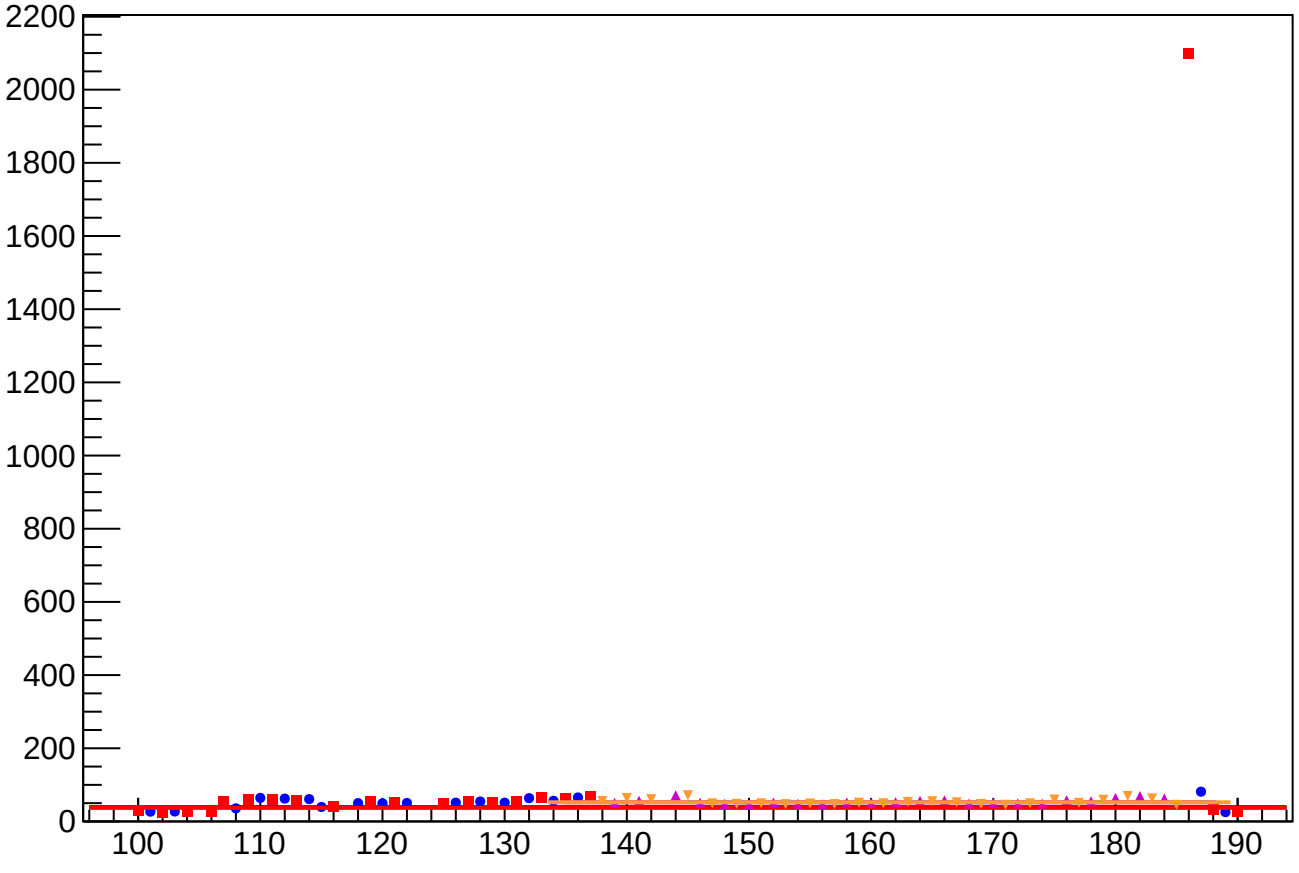
Left In: 0.025+/-0.013 χ^2/NDF:24.3/22

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

All: 0.001+/-0.007 χ^2/NDF: 92.3/85

\- sign 0.004+/-0.009 χ^2/NDF: 50.9/43

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

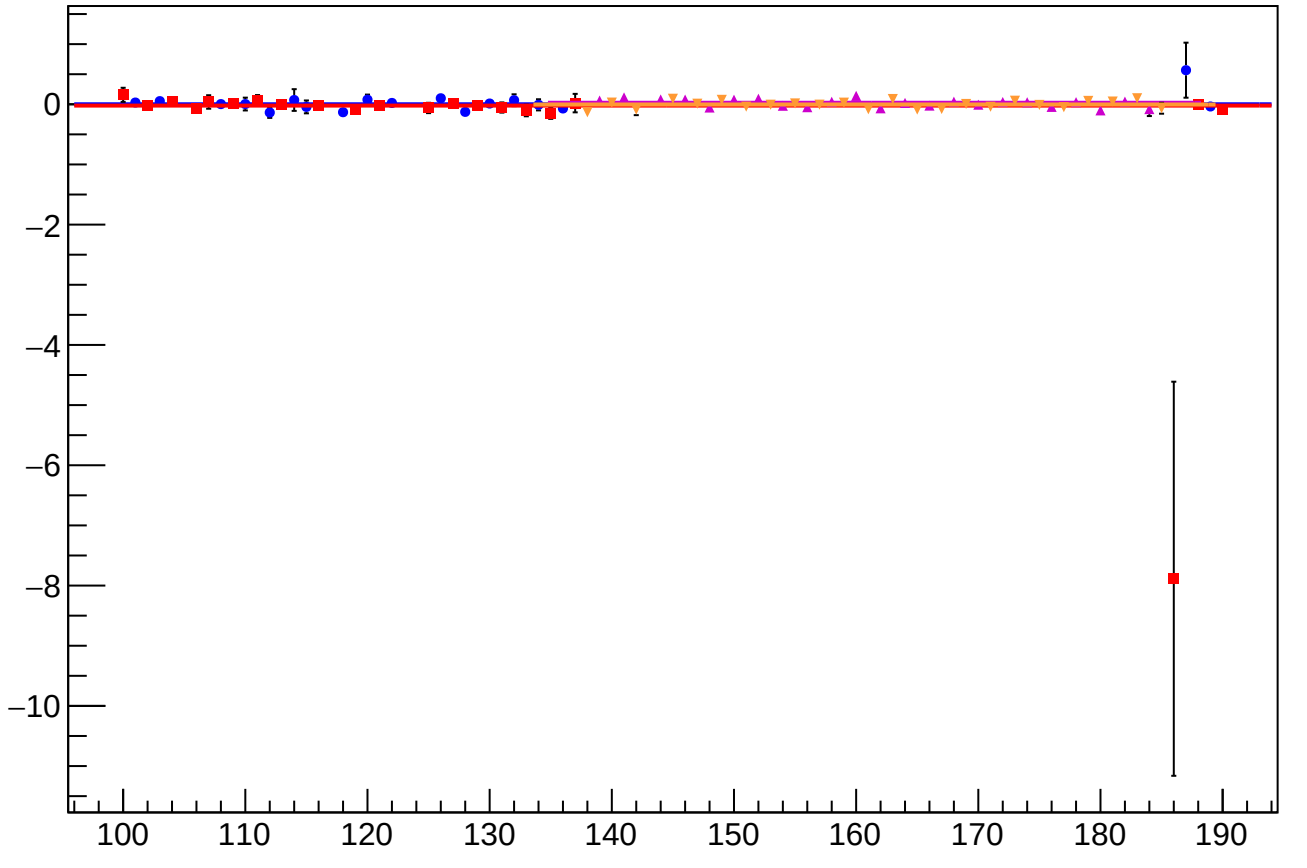
Right Out: 37.266+/-0.010 χ^2/NDF: 2773954.5/20

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

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

All: 46.347+/-0.005 χ^2/NDF: 7786415.7/85

- sign 45.678+/-0.007 χ^2/NDF: 4542506.7/43



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: -0.022+/-0.014 χ^2/NDF: 20.3/20

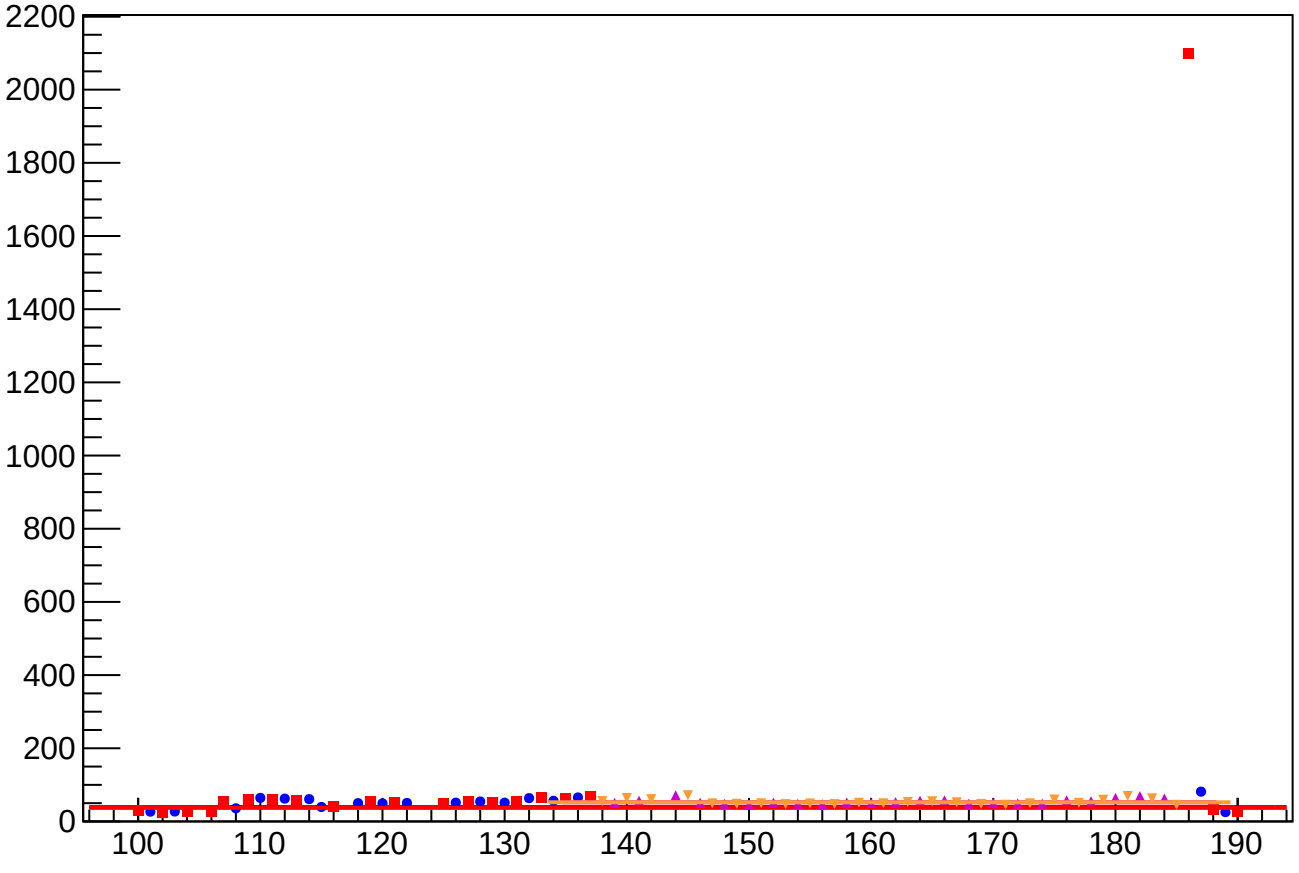
Left In: 0.025+/-0.013 χ^2/NDF:24.3/22

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

All: 0.001+/-0.007 χ^2/NDF: 92.3/85

- sign 0.004+/-0.009 χ^2/NDF: 50.9/43

asym_us_avg_overload_cor_vs_eigen_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: 37.266+/-0.010 χ^2/NDF: 2773954.5/20

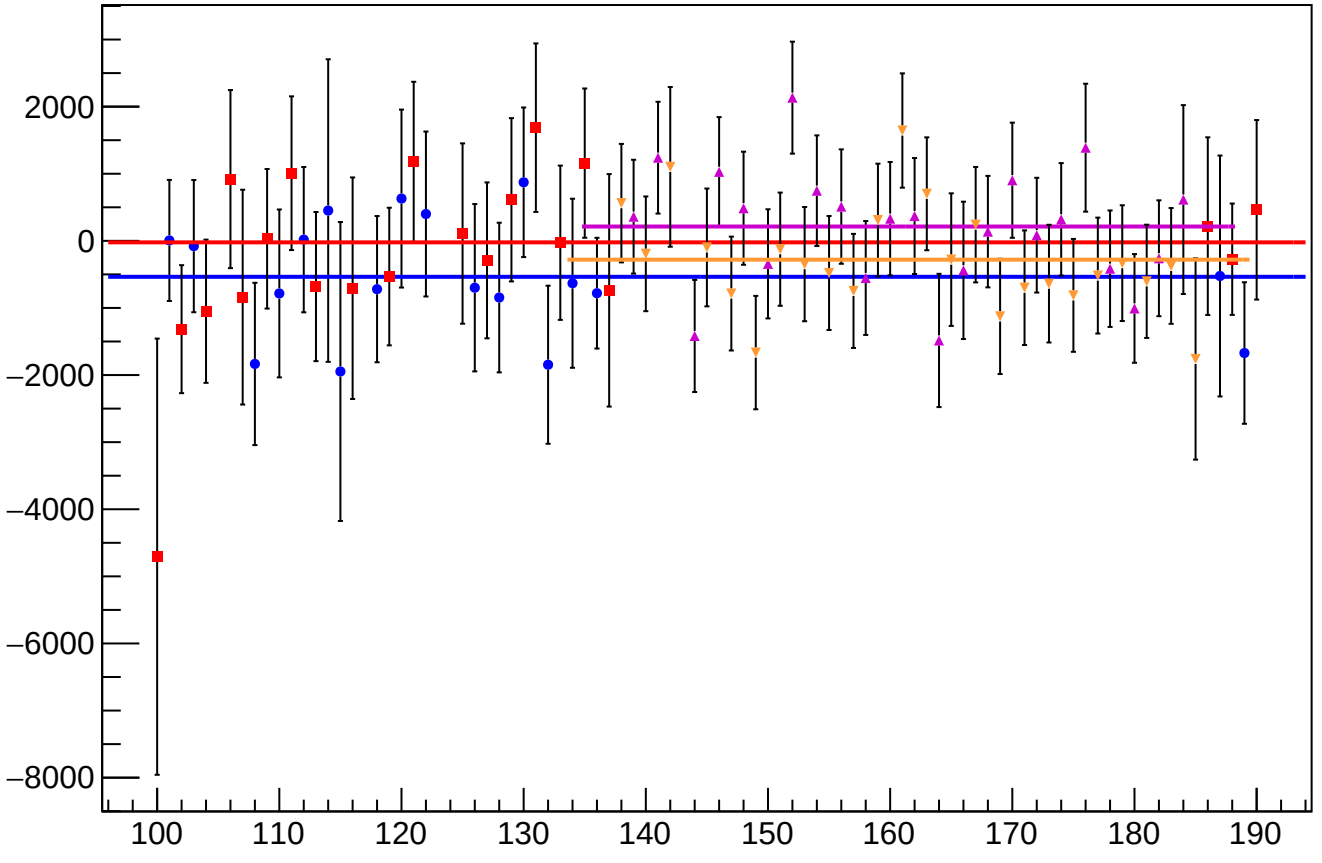
Left In: 52.484+/-0.009 χ^2/NDF:445297.7/22

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

All: 46.347+/-0.005 χ^2/NDF: 7786415.7/85

- sign 45.678+/-0.007 χ^2/NDF: 4542506.7/43

reg_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: -22.469+/-261.431 χ^2/NDF: 11.9/20

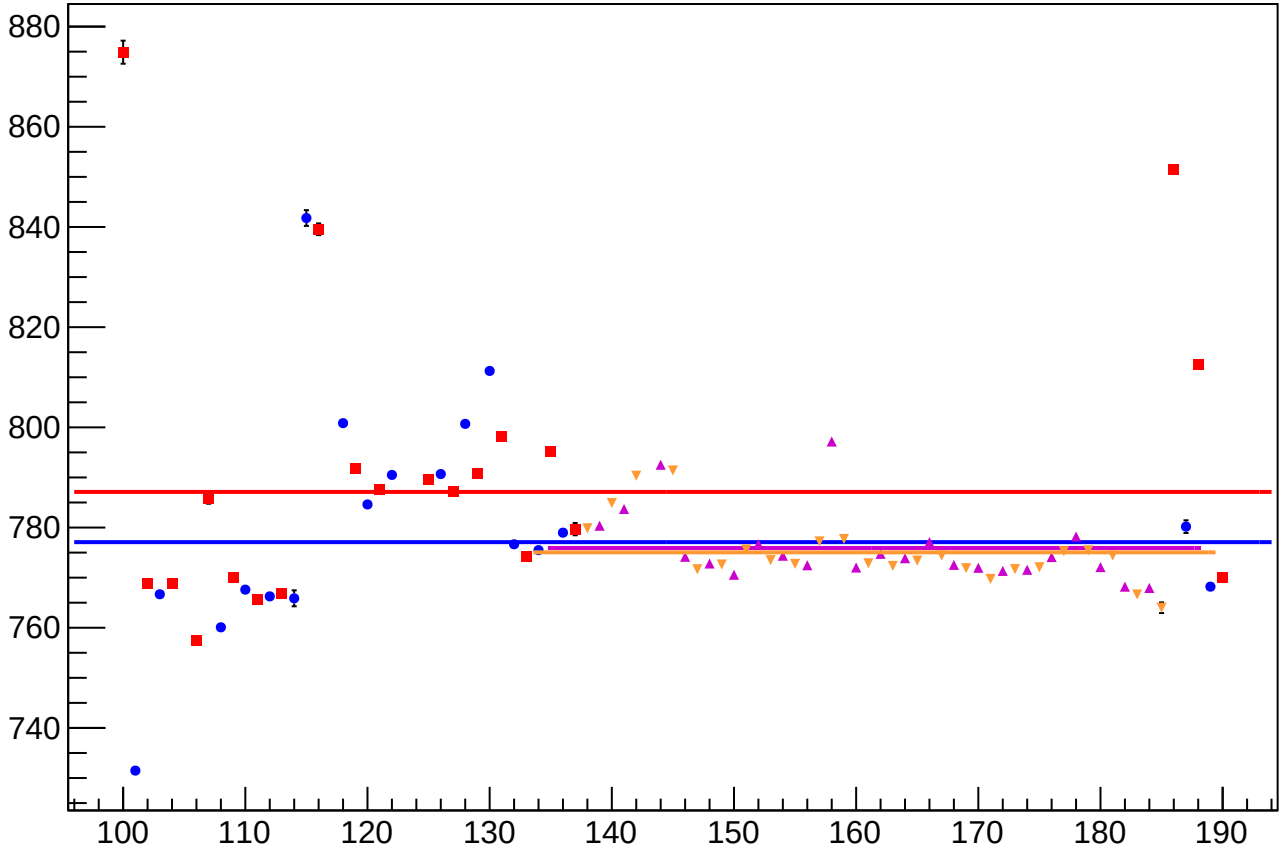
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

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

All: -107.164+/-105.886 χ^2/NDF: 65.1/85

- sign 136.894+/-148.908 χ^2/NDF: 34.9/43

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

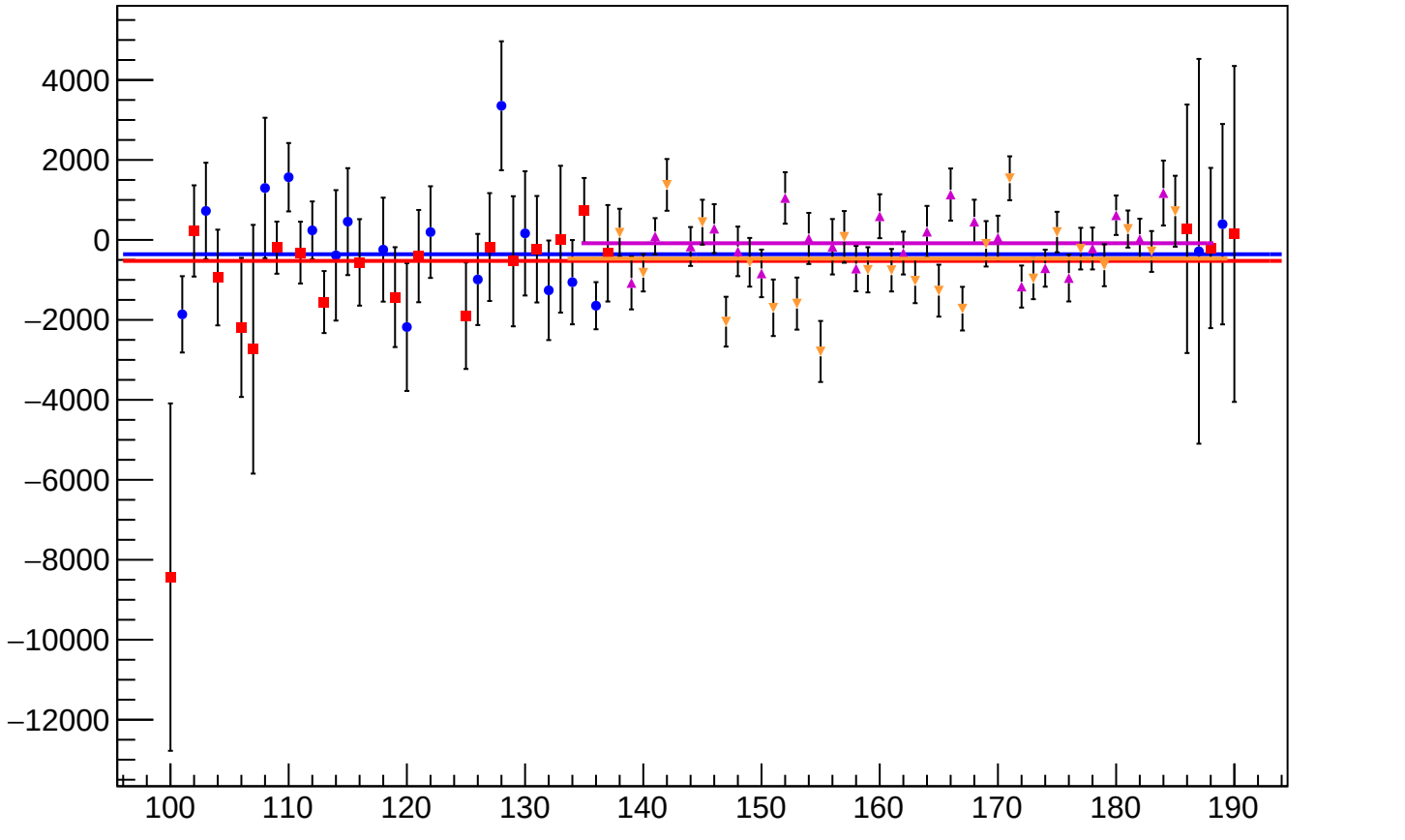
Right Out: 787.113+/-0.185 χ^2/NDF: 15261.3/20

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

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

All: 777.628+/-0.075 χ^2/NDF: 35625.8/85

- sign 779.553+/-0.105 χ^2/NDF: 20710.1/43



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: -524.942+/-259.266 χ^2/NDF: 11.8/20

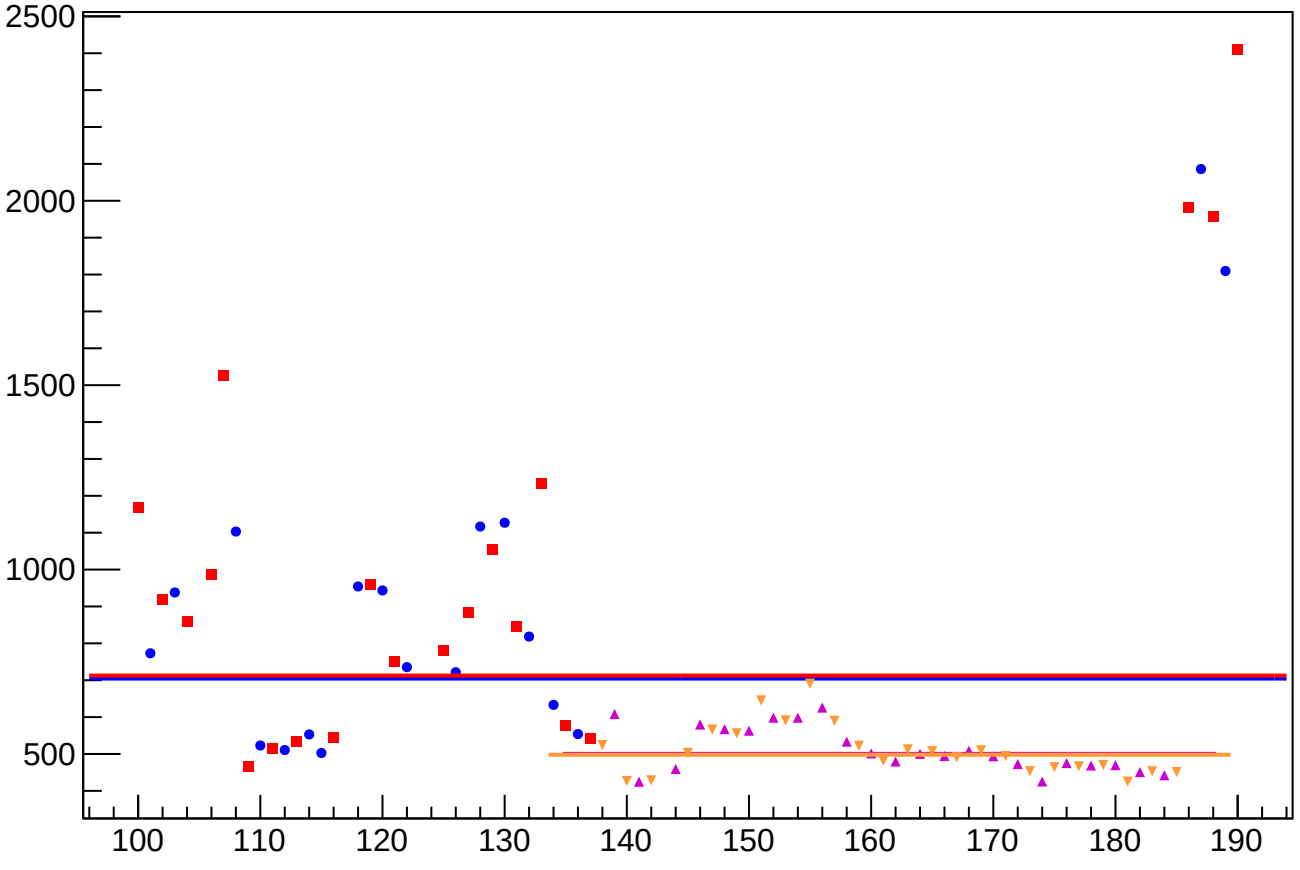
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

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

All: -304.718+/-75.679 χ^2/NDF: 134.0/85

- sign -158.760+/-107.255 χ^2/NDF: 42.3/43

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

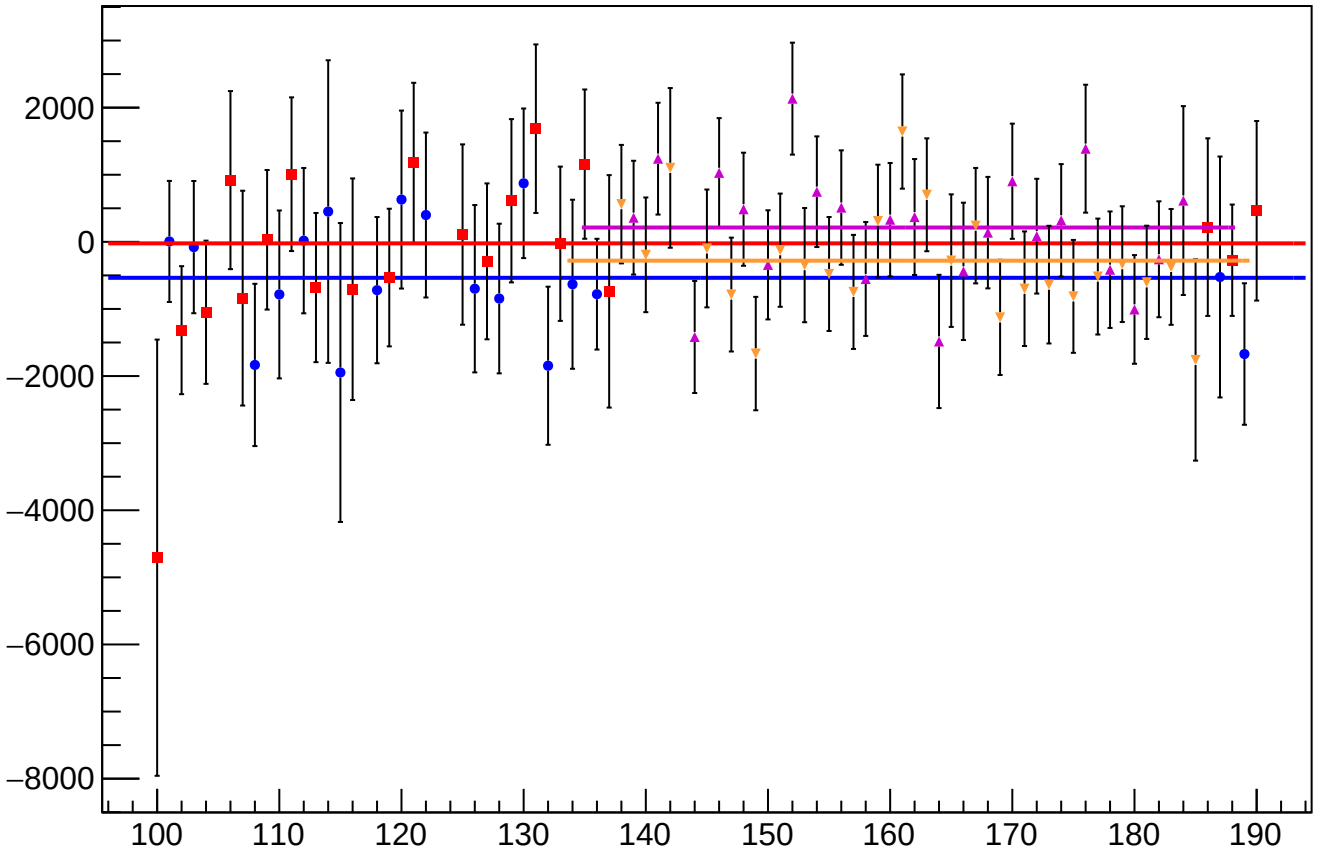
Right Out: 712.577+/-0.183 χ^2/NDF: 2785418.7/20

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

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

All: 534.085+/-0.054 χ^2/NDF: 7515499.4/85

- sign 536.634+/-0.076 χ^2/NDF: 4374025.3/43



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: -22.469+/-261.431 χ^2/NDF: 11.9/20

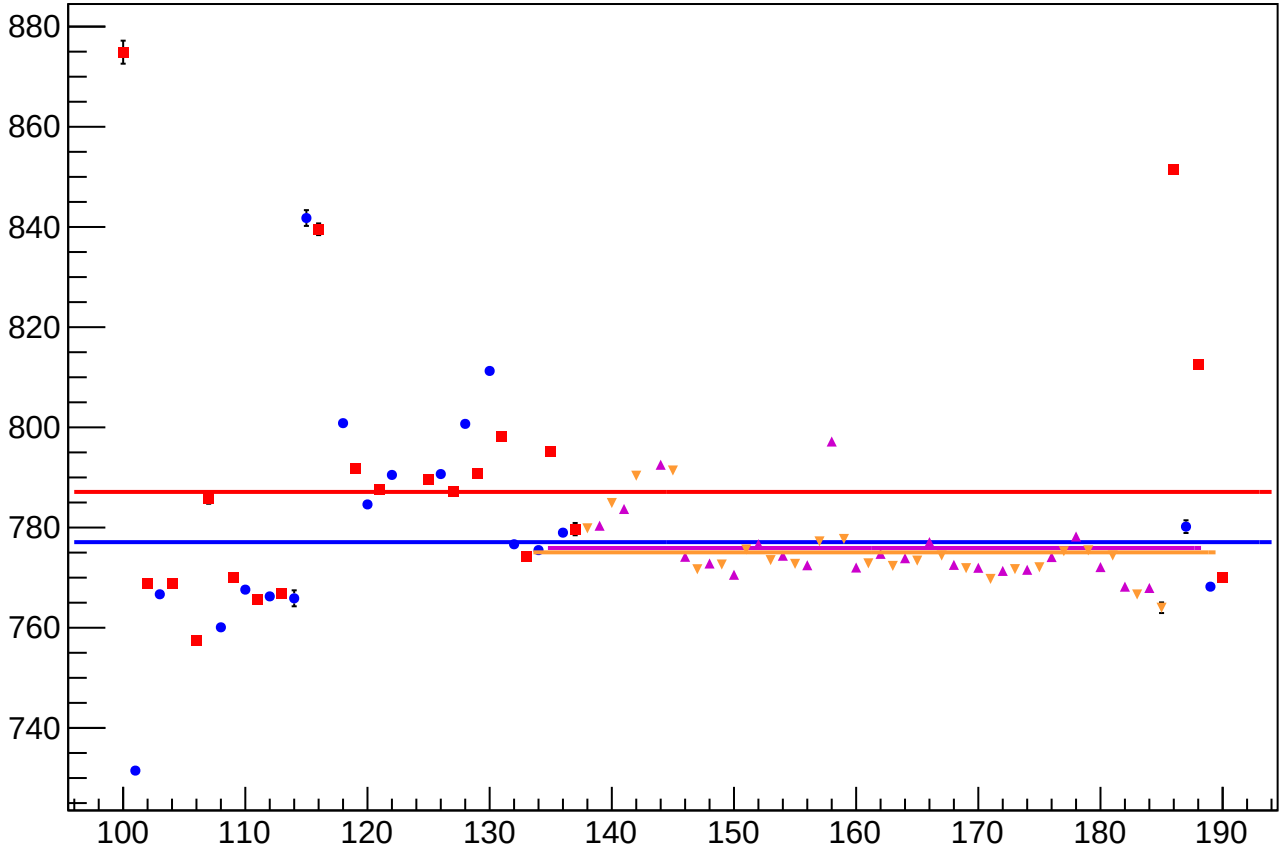
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

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

All: -107.164+/-105.886 χ^2/NDF: 65.1/85

- sign 136.894+/-148.908 χ^2/NDF: 34.9/43

cor_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

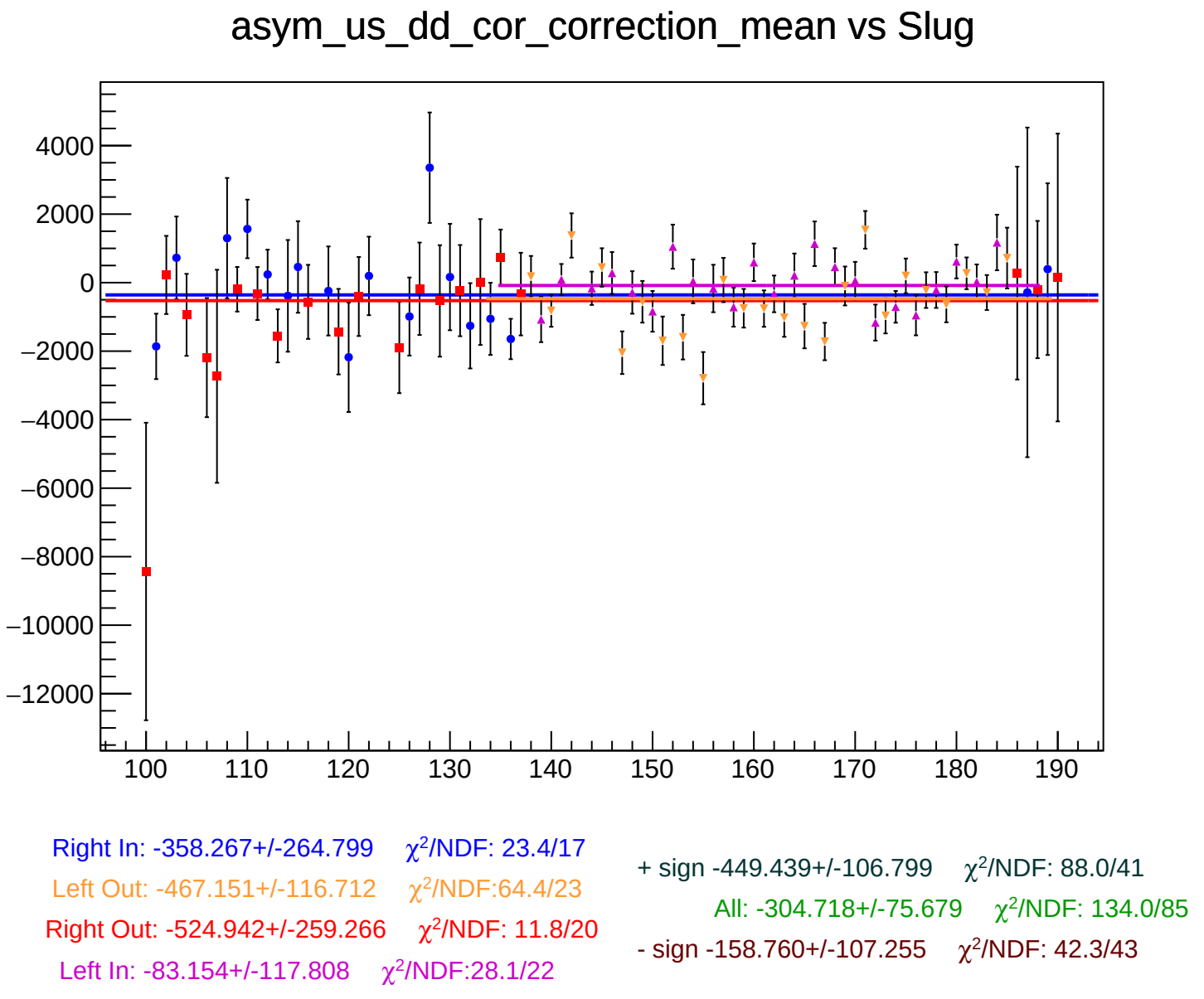
Right Out: 787.113+/-0.185 χ^2/NDF: 15261.3/20

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

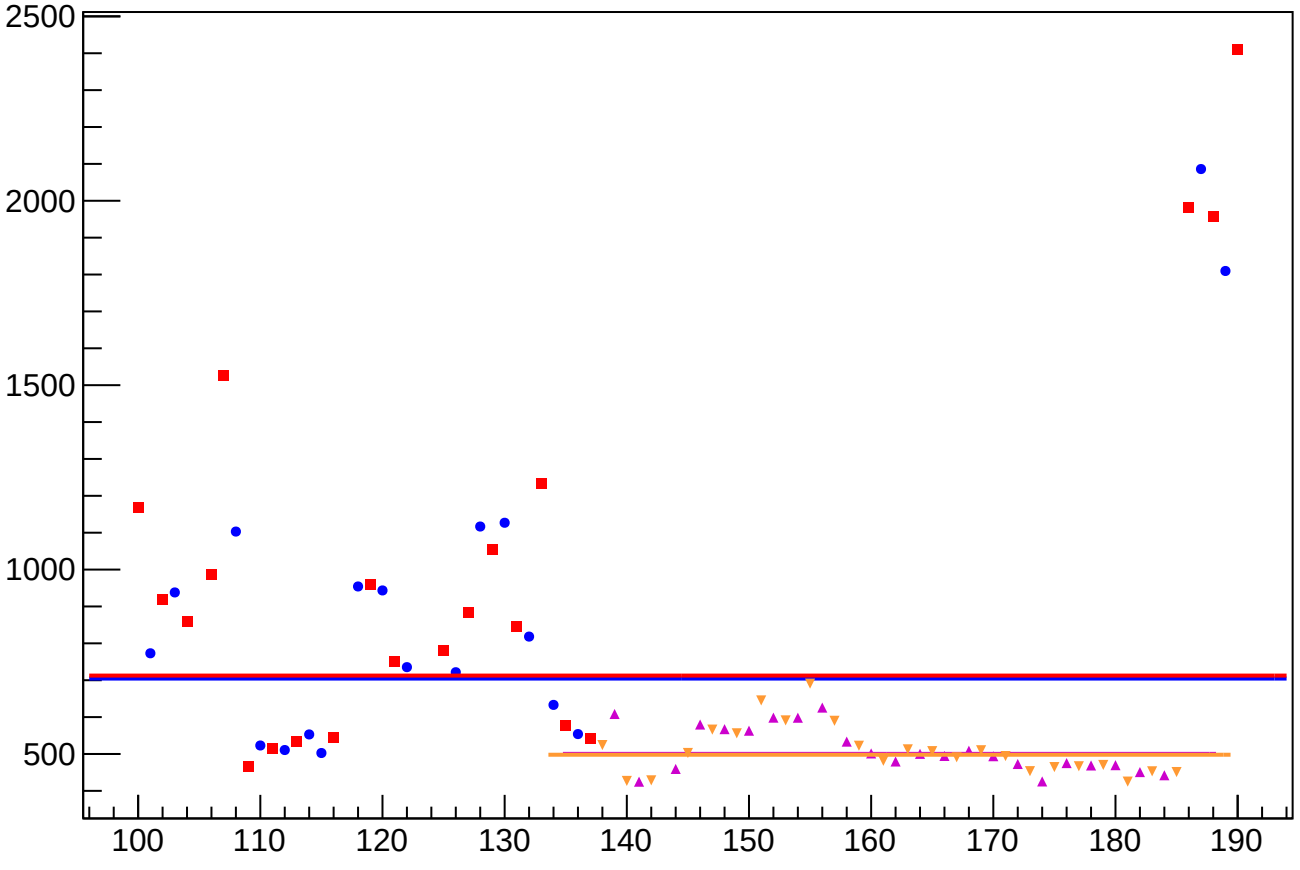
\+ sign 775.659+/-0.106 χ^2/NDF: 14239.7/41

All: 777.628+/-0.075 χ^2/NDF: 35625.8/85

\- sign 779.553+/-0.105 χ^2/NDF: 20710.1/43


asym_us_dd_cor_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: -524.942+/-259.266 χ²/NDF: 11.8/20
Left In: -83.154+/-117.808 χ²/NDF:28.1/22
+ sign -449.439+/-106.799 χ²/NDF: 88.0/41
All: -304.718+/-75.679 χ²/NDF: 134.0/85
- sign -158.760+/-107.255 χ²/NDF: 42.3/43

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: 712.577+/-0.183 χ^2/NDF: 2785418.7/20

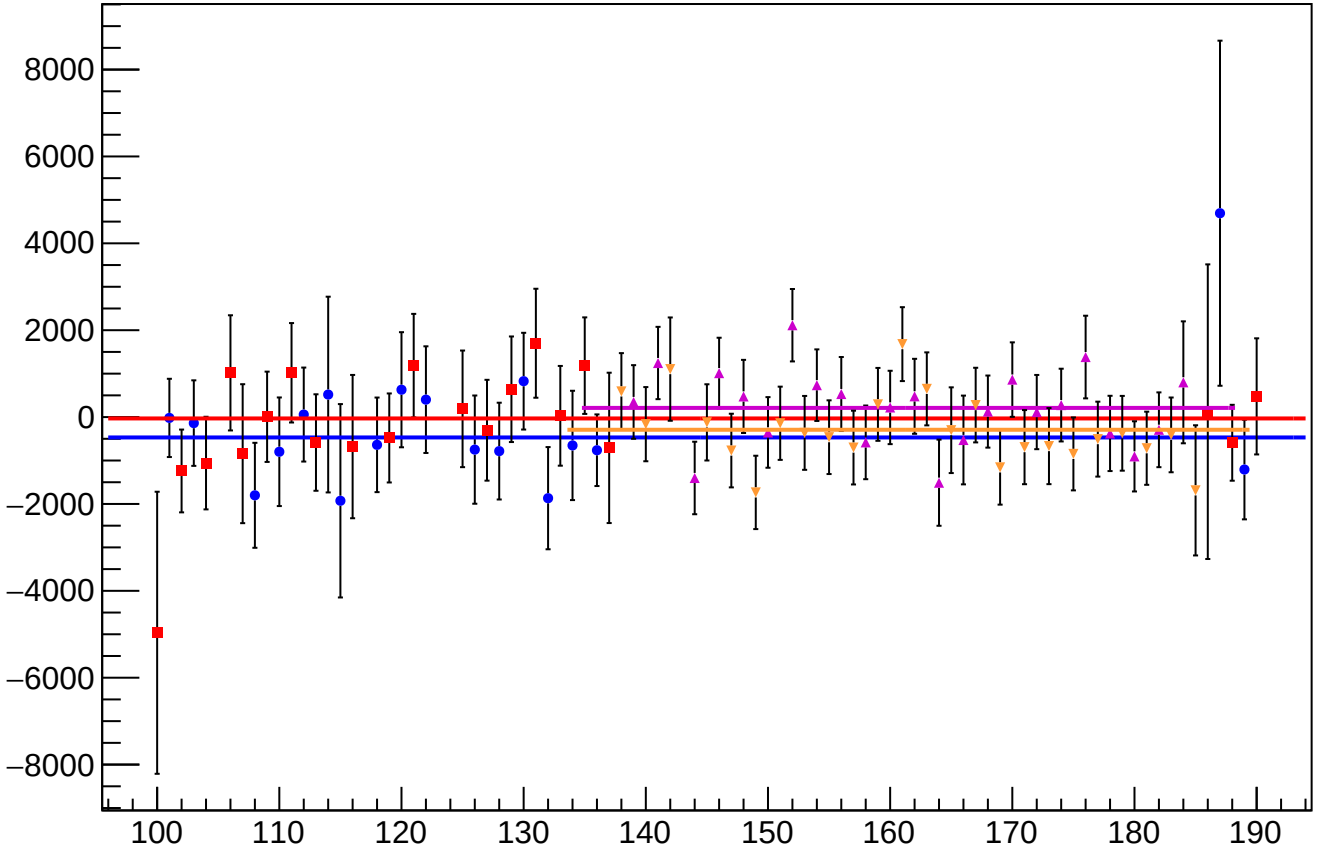
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

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

All: 534.085+/-0.054 χ^2/NDF: 7515499.4/85

- sign 536.634+/-0.076 χ^2/NDF: 4374025.3/43

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: -31.450+/-266.987 χ^2/NDF: 12.4/20

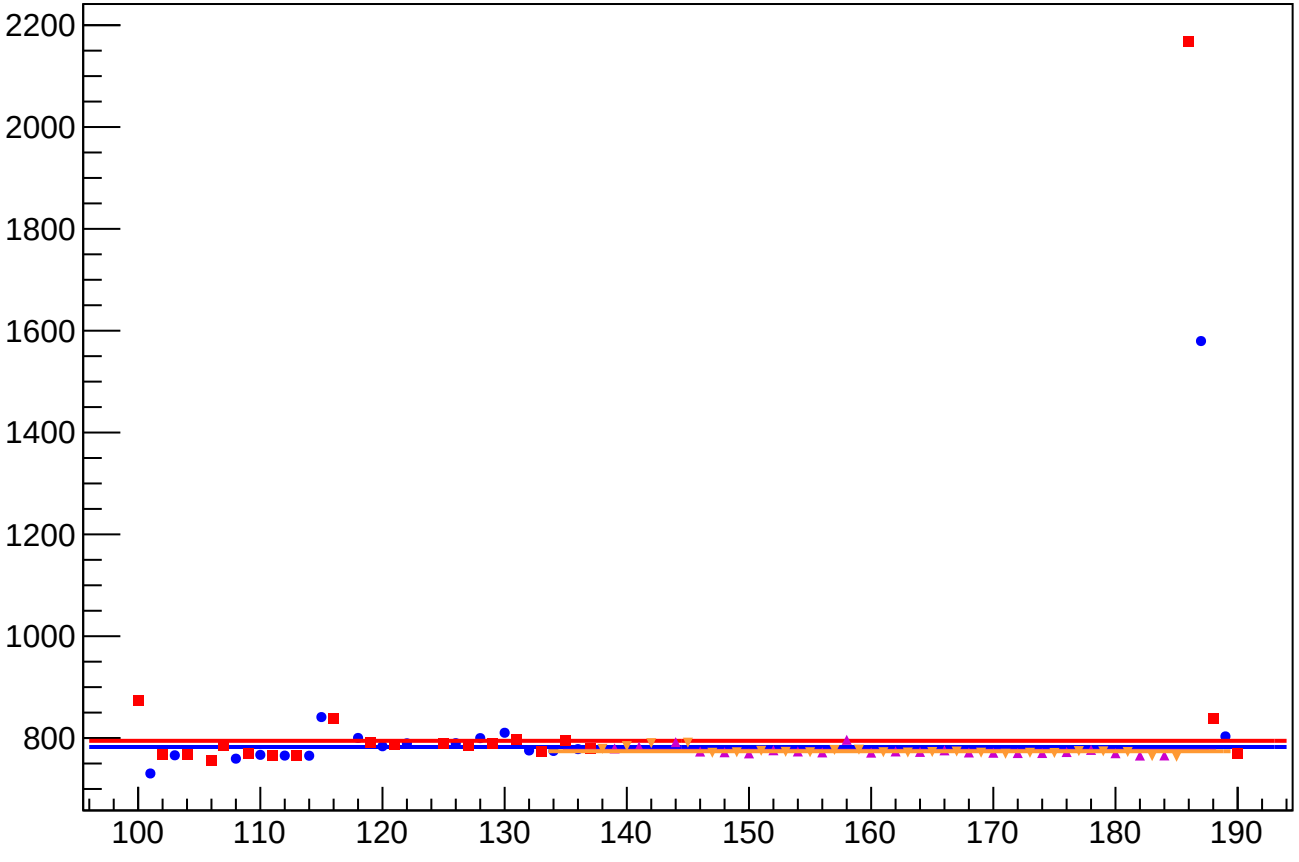
Left In: 211.238+/-180.951 χ^2/NDF:22.1/22

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

All: -102.402+/-106.377 χ^2/NDF: 65.9/85

- sign 134.849+/-149.789 χ^2/NDF: 35.1/43

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: 794.553+/-0.189 χ^2/NDF: 345387.2/20

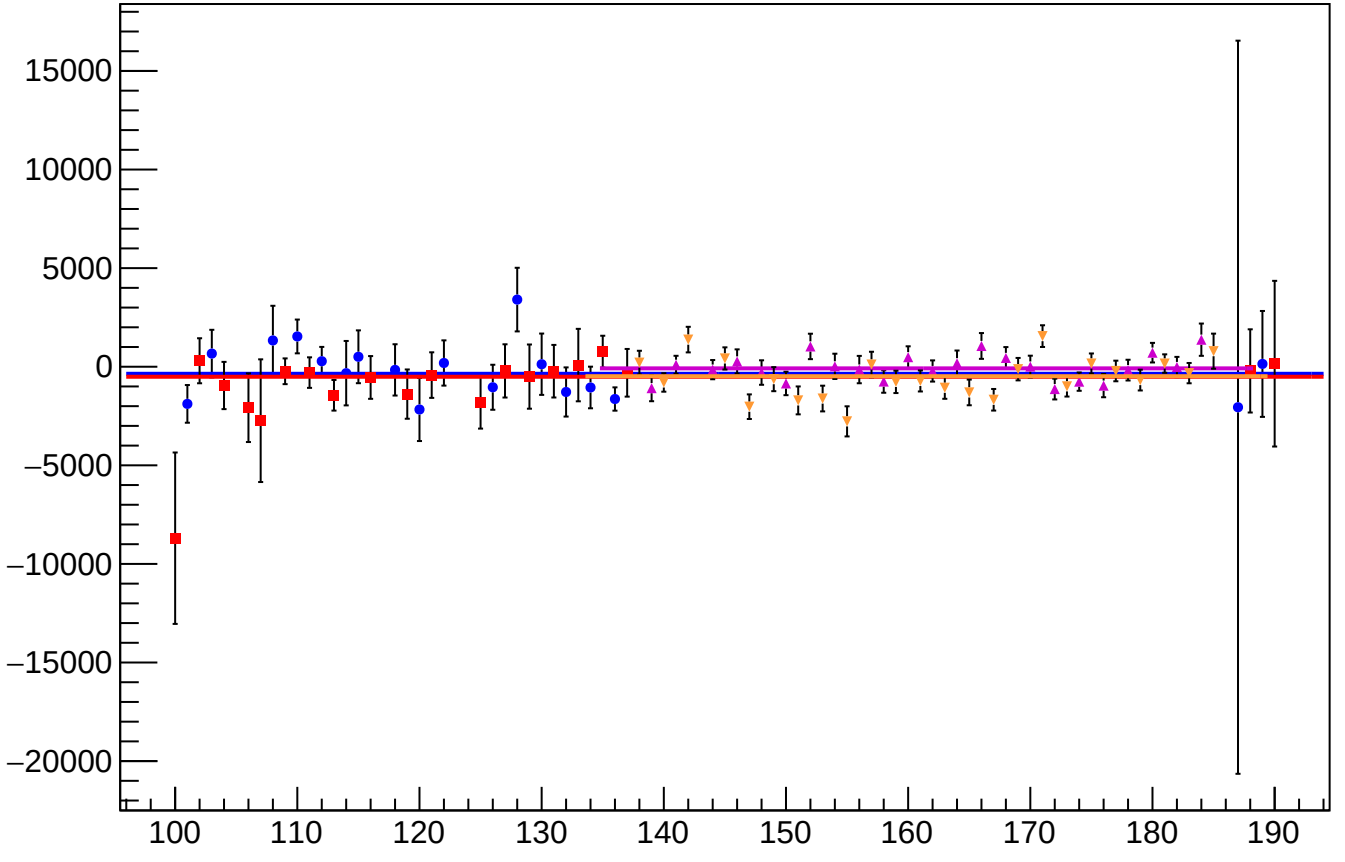
Left In: 774.990+/-0.128 χ^2/NDF:3148.2/22

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

All: 778.879+/-0.075 χ^2/NDF: 454207.4/85

- sign 781.147+/-0.106 χ^2/NDF: 355893.7/43

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: -508.085+/-260.771 χ^2/NDF: 11.4/19

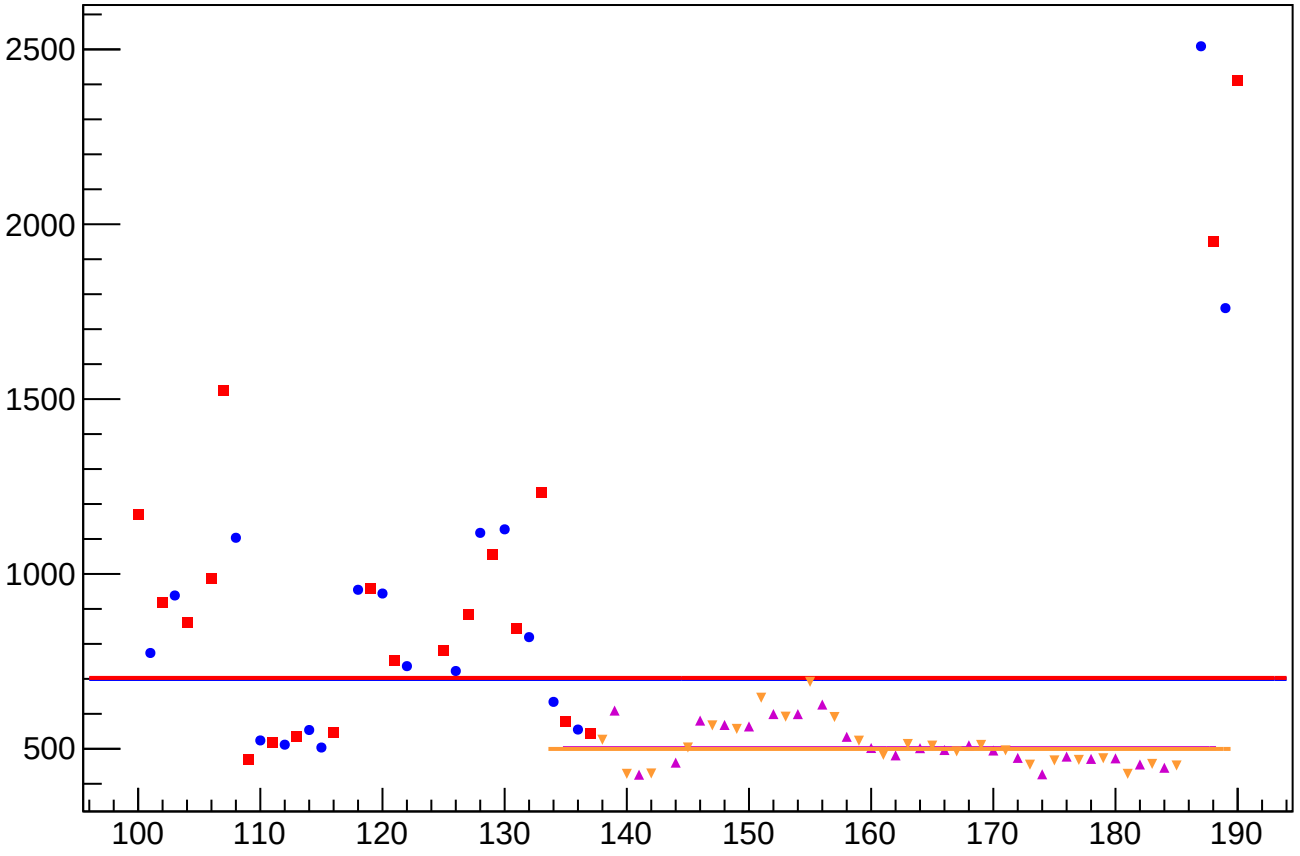
Left In: -83.196+/-118.194 χ^2/NDF:28.2/22

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

All: -309.166+/-75.944 χ^2/NDF: 133.0/84

- sign -155.607+/-107.653 χ^2/NDF: 41.9/42

asym_us_dd_overload_cor_correction_rms vs Slug



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: 702.729+/-0.184 χ^2/NDF: 2358770.3/19

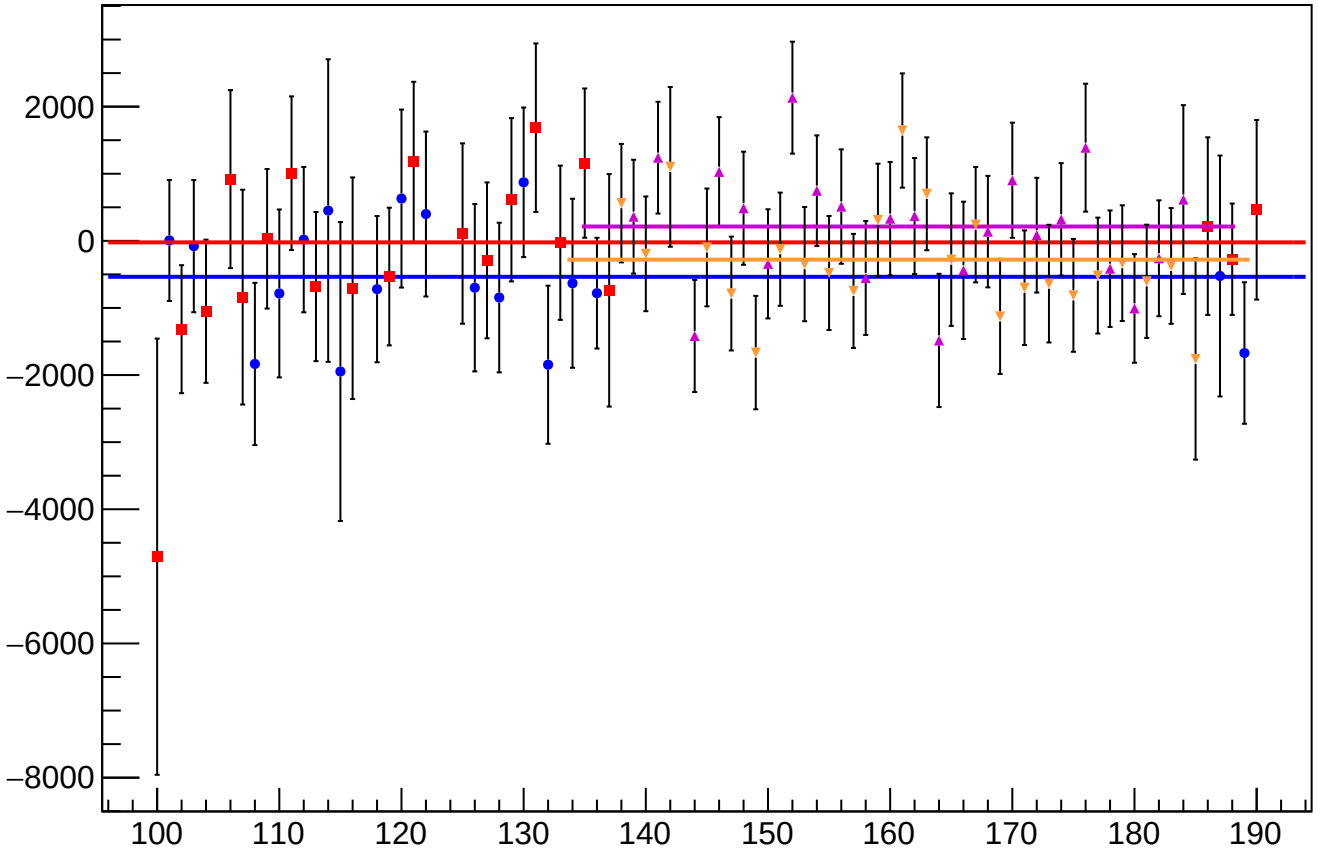
Left In: 502.026+/-0.084 χ^2/NDF:467449.2/22

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

All: 534.200+/-0.054 χ^2/NDF: 6637817.3/84

- sign 536.230+/-0.076 χ^2/NDF: 3809036.1/42

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

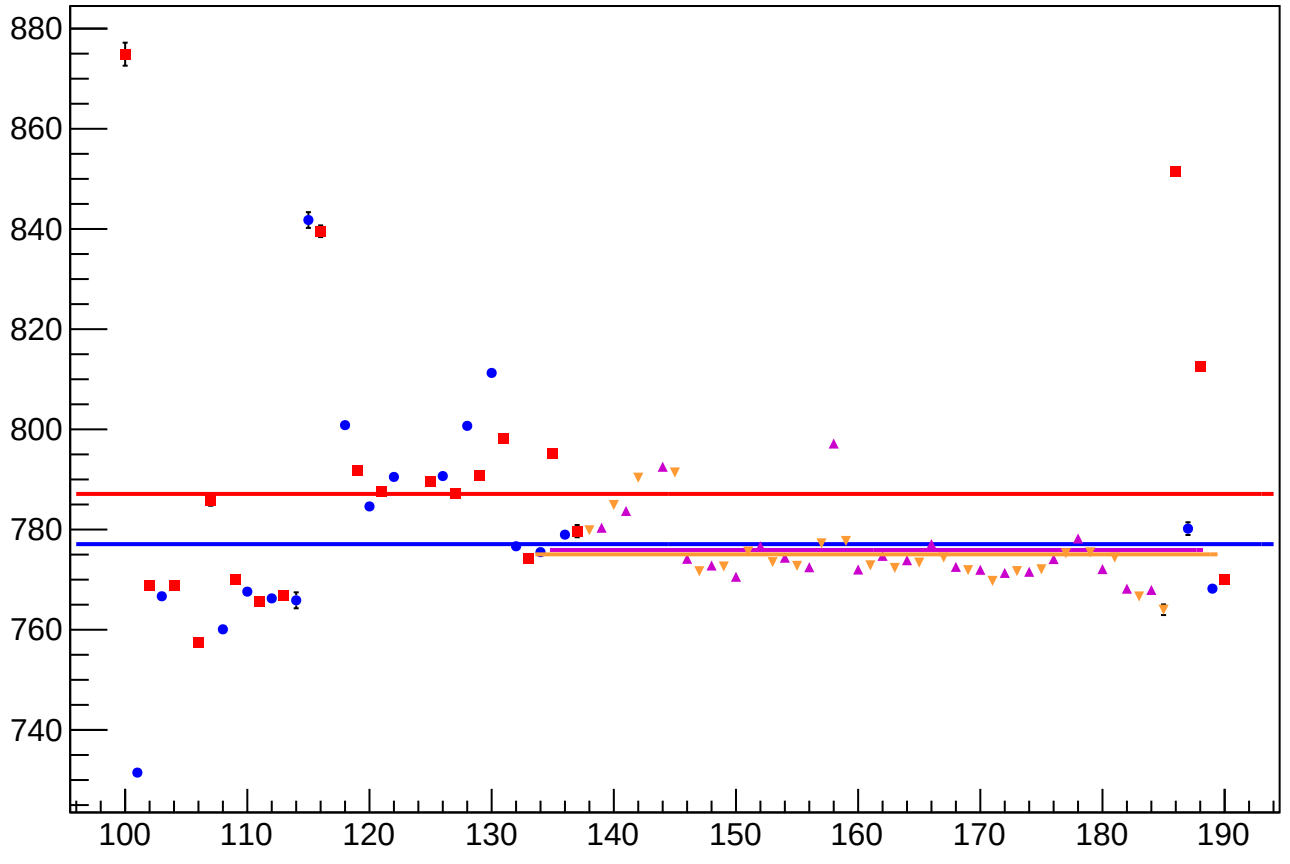
Right Out: -22.469+/-261.431 χ^2/NDF: 11.9/20

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

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

All: -107.164+/-105.886 χ^2/NDF: 65.1/85

- sign 136.894+/-148.908 χ^2/NDF: 34.9/43



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

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

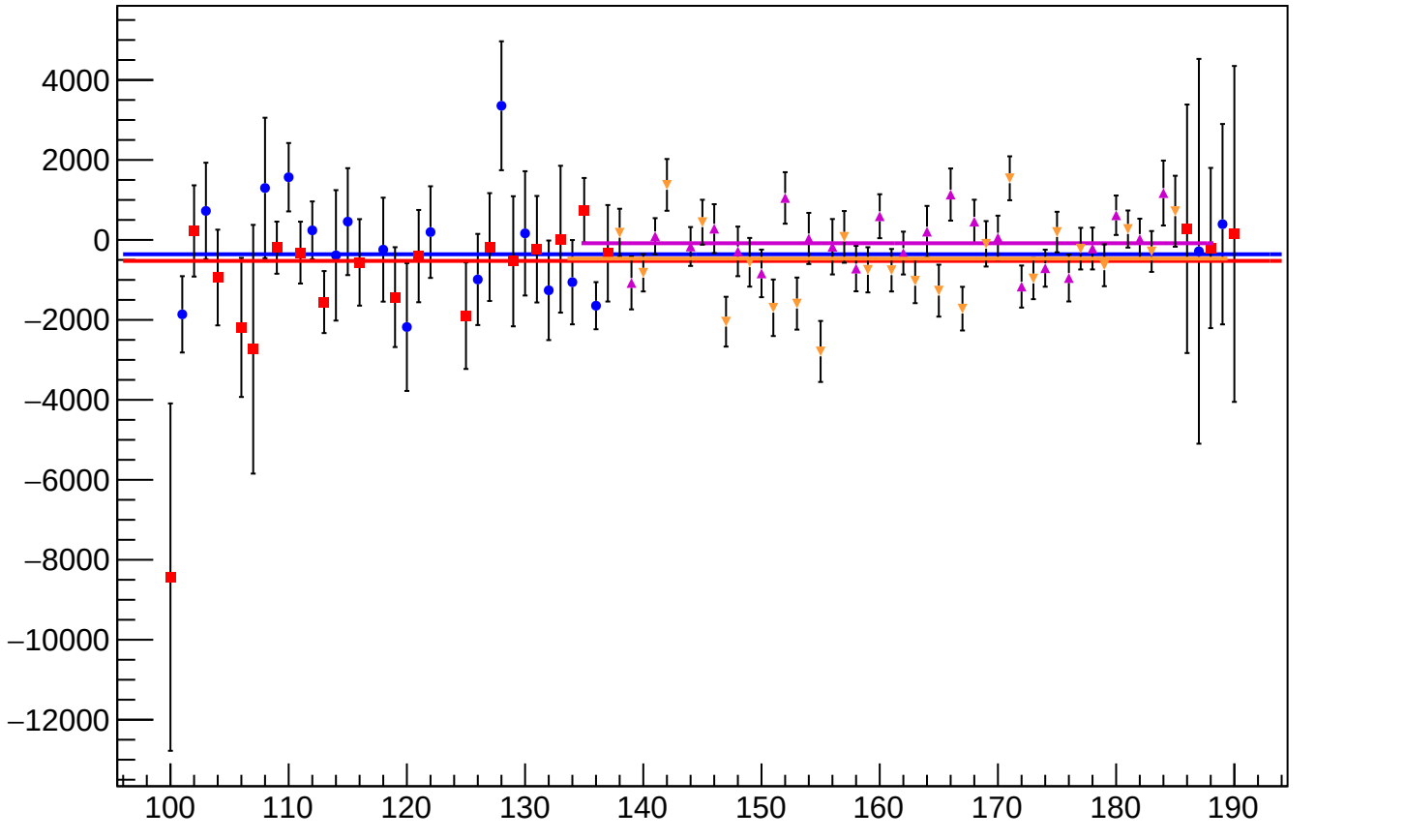
Right Out: 787.113+/-0.185 χ^2/NDF: 15261.3/20

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

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

All: 777.628+/-0.075 χ^2/NDF: 35625.8/85

- sign 779.553+/-0.105 χ^2/NDF: 20710.1/43



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: -524.942+/-259.266 χ^2/NDF: 11.8/20

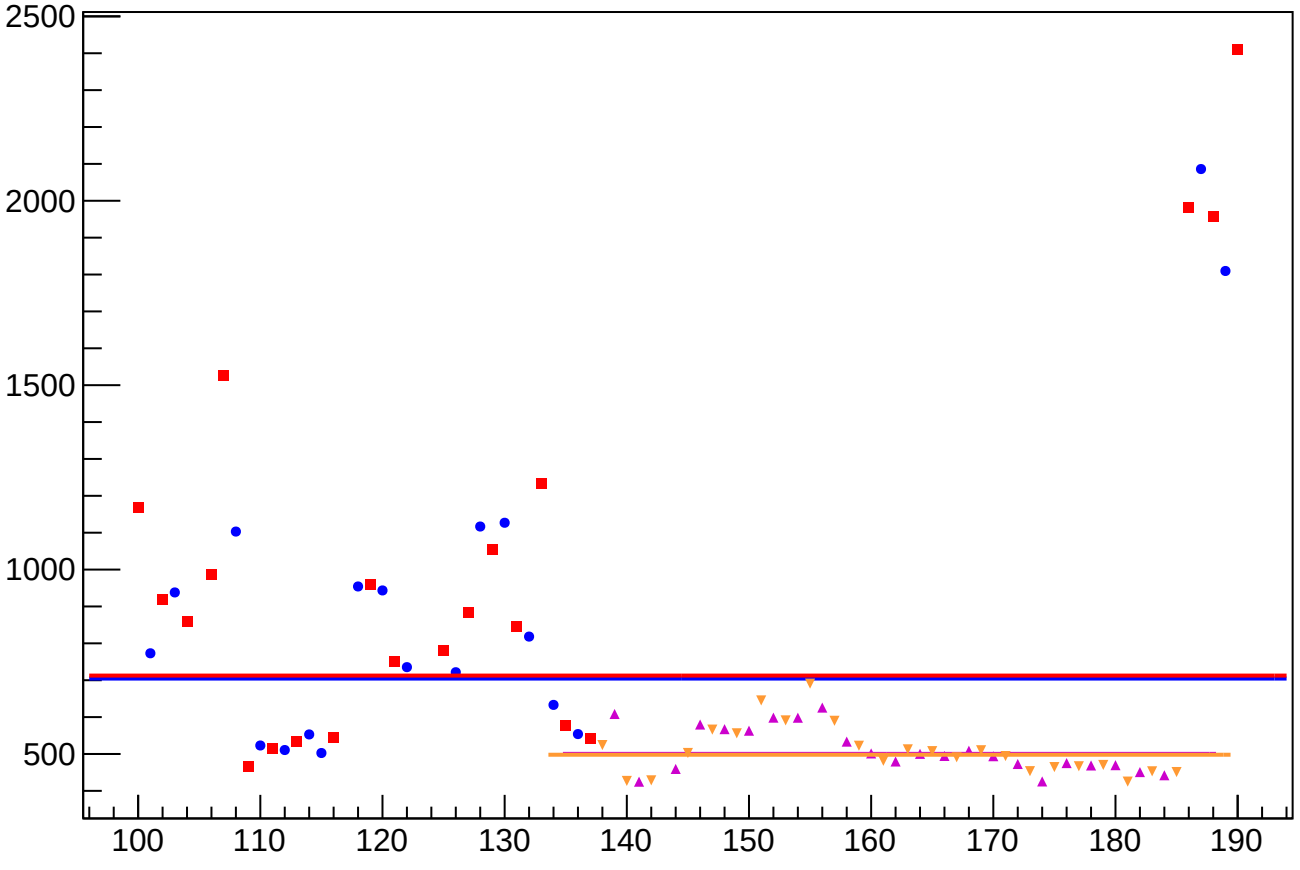
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

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

All: -304.718+/-75.679 χ^2/NDF: 134.0/85

- sign -158.760+/-107.255 χ^2/NDF: 42.3/43

asym_us_dd_eigen_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: 712.577+/-0.183 χ^2/NDF: 2785418.7/20

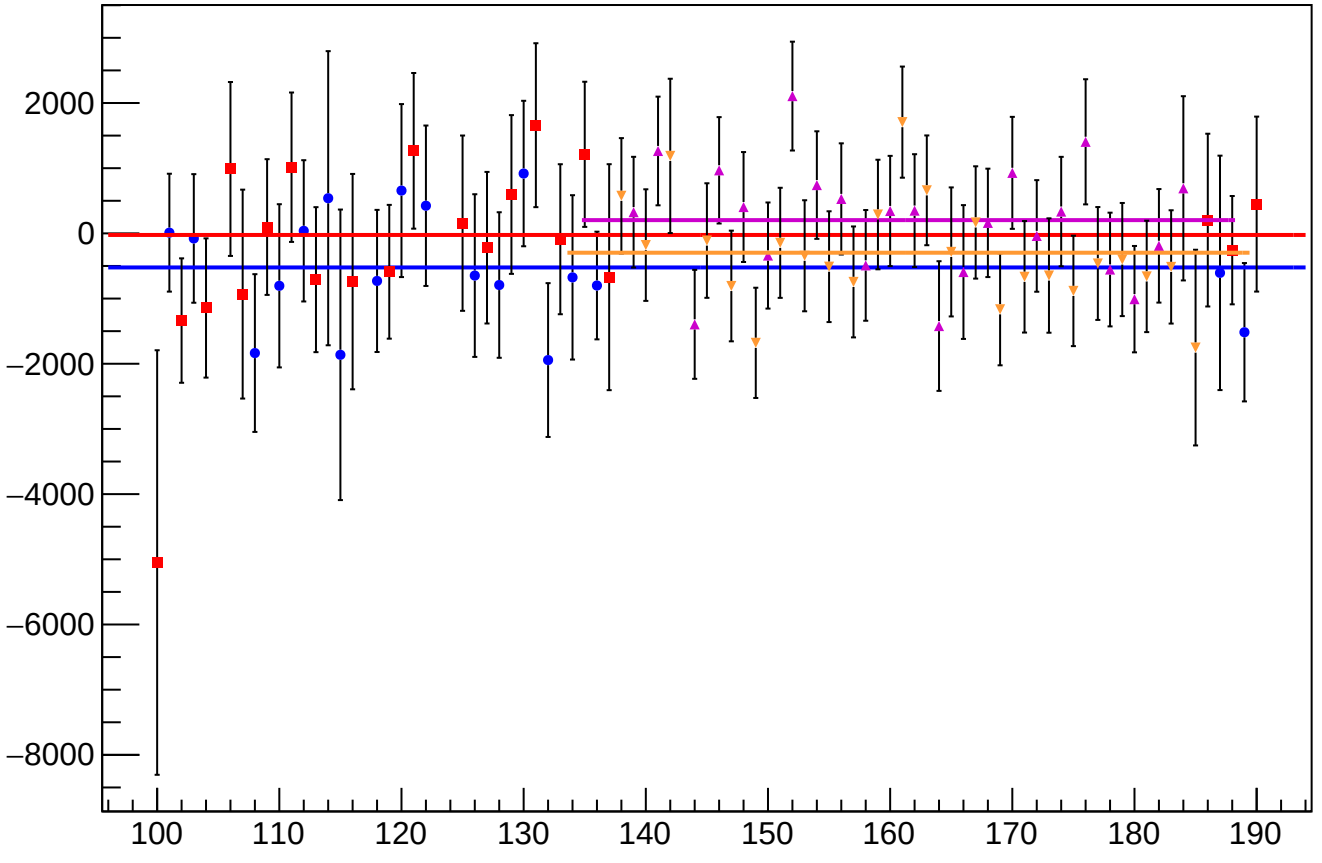
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

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

All: 534.085+/-0.054 χ^2/NDF: 7515499.4/85

\- sign 536.634+/-0.076 χ^2/NDF: 4374025.3/43

dit_asym_us_dd_mean vs Slug



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: -24.252+/-261.727 χ^2/NDF: 12.9/20

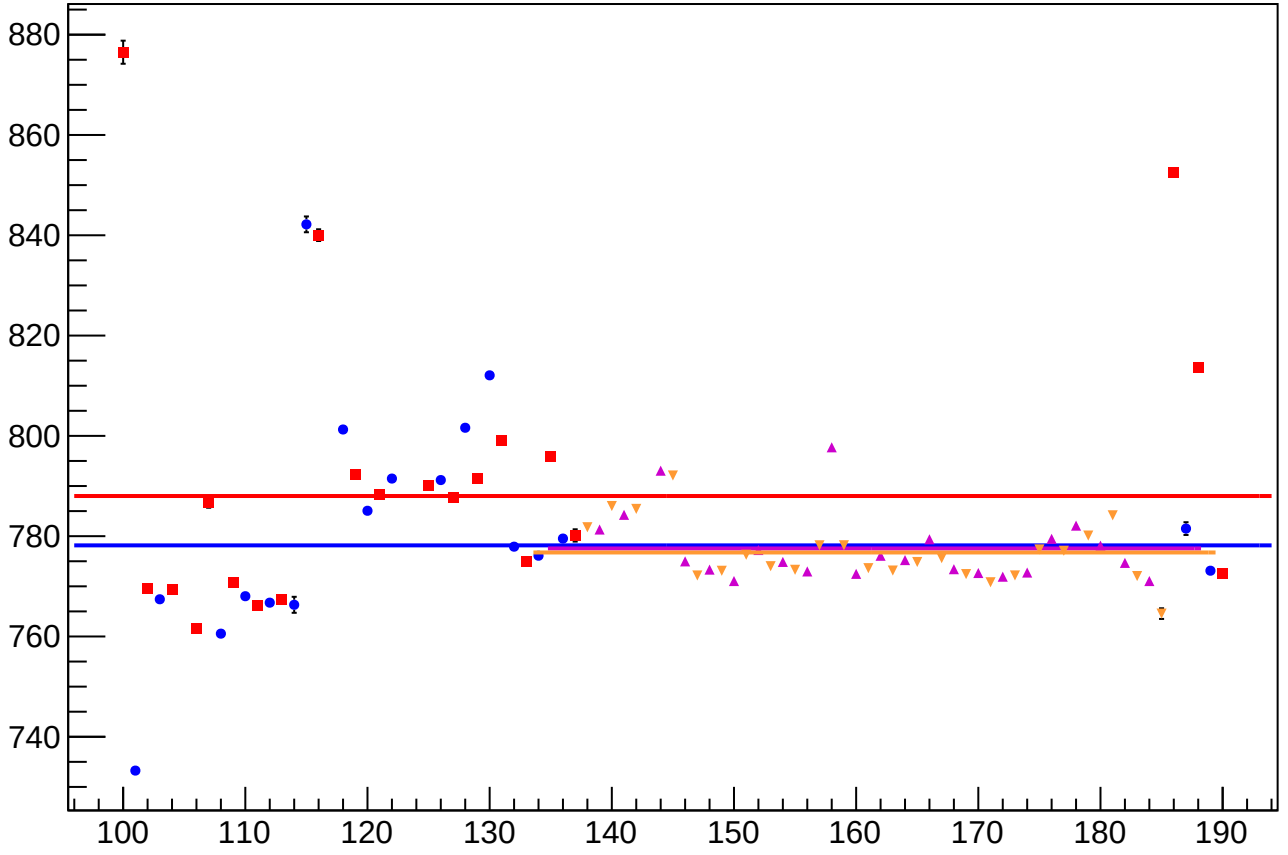
Left In: 203.339+/-181.548 χ^2/NDF:22.1/22

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

All: -114.665+/-106.085 χ^2/NDF: 66.3/85

\- sign 129.405+/-149.173 χ^2/NDF: 35.5/43

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: 788.008+/-0.185 χ^2/NDF: 15097.8/20

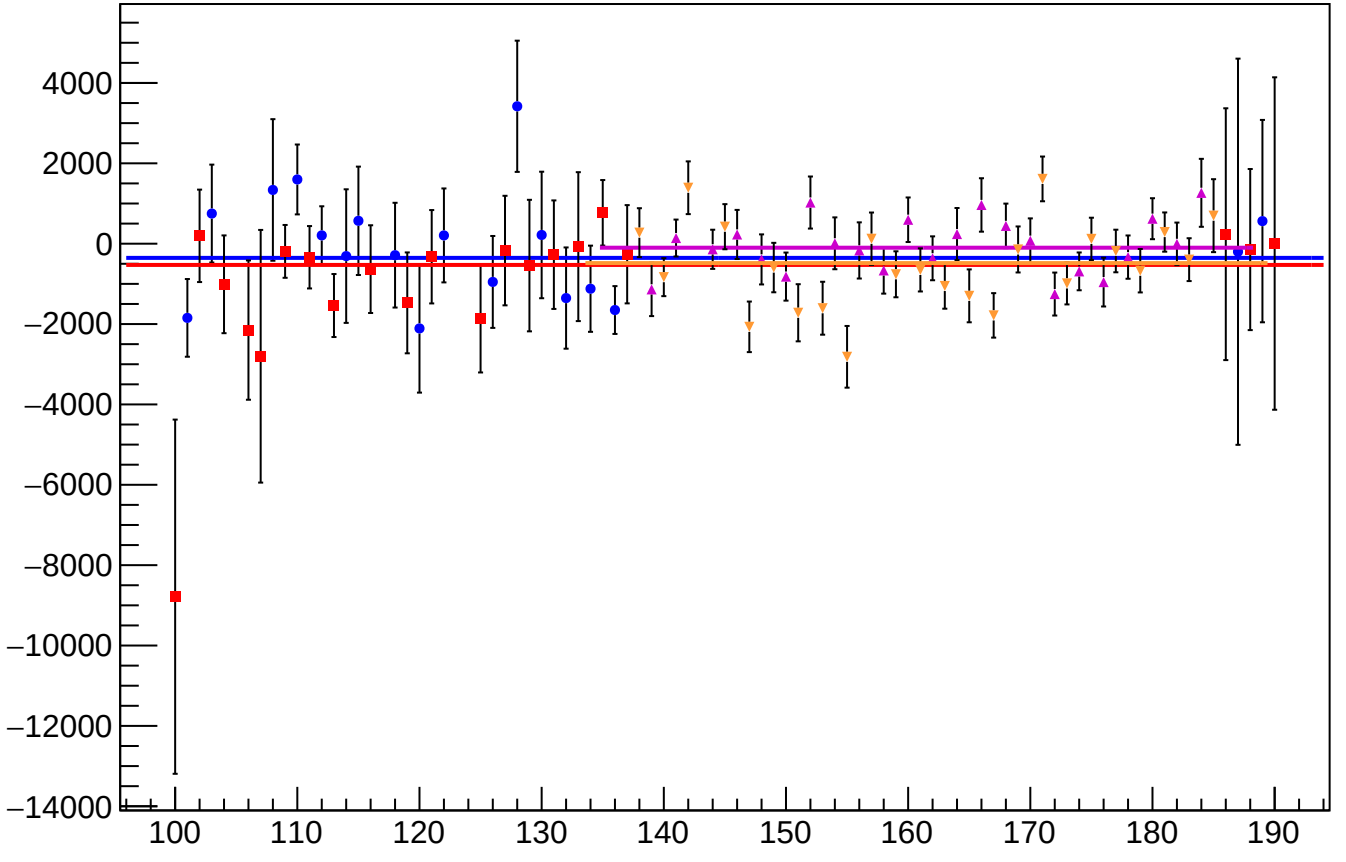
Left In: 777.550+/-0.128 χ^2/NDF:2750.7/22

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

All: 779.083+/-0.075 χ^2/NDF: 34349.6/85

- sign 780.947+/-0.105 χ^2/NDF: 20004.7/43

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: -528.506+/-261.535 χ^2/NDF: 11.9/20

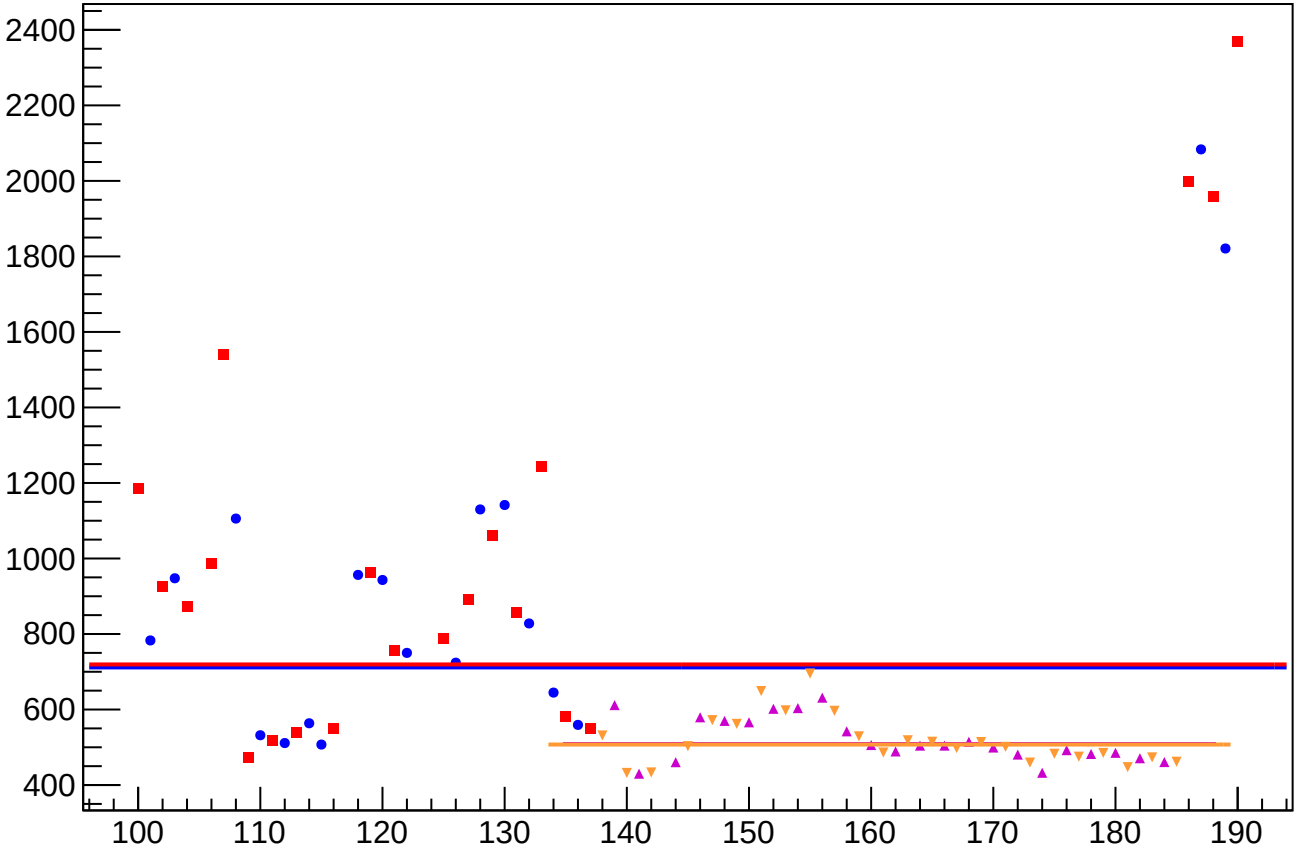
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

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

All: -318.163+/-76.860 χ^2/NDF: 133.8/85

- sign -174.179+/-108.824 χ^2/NDF: 41.5/43

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

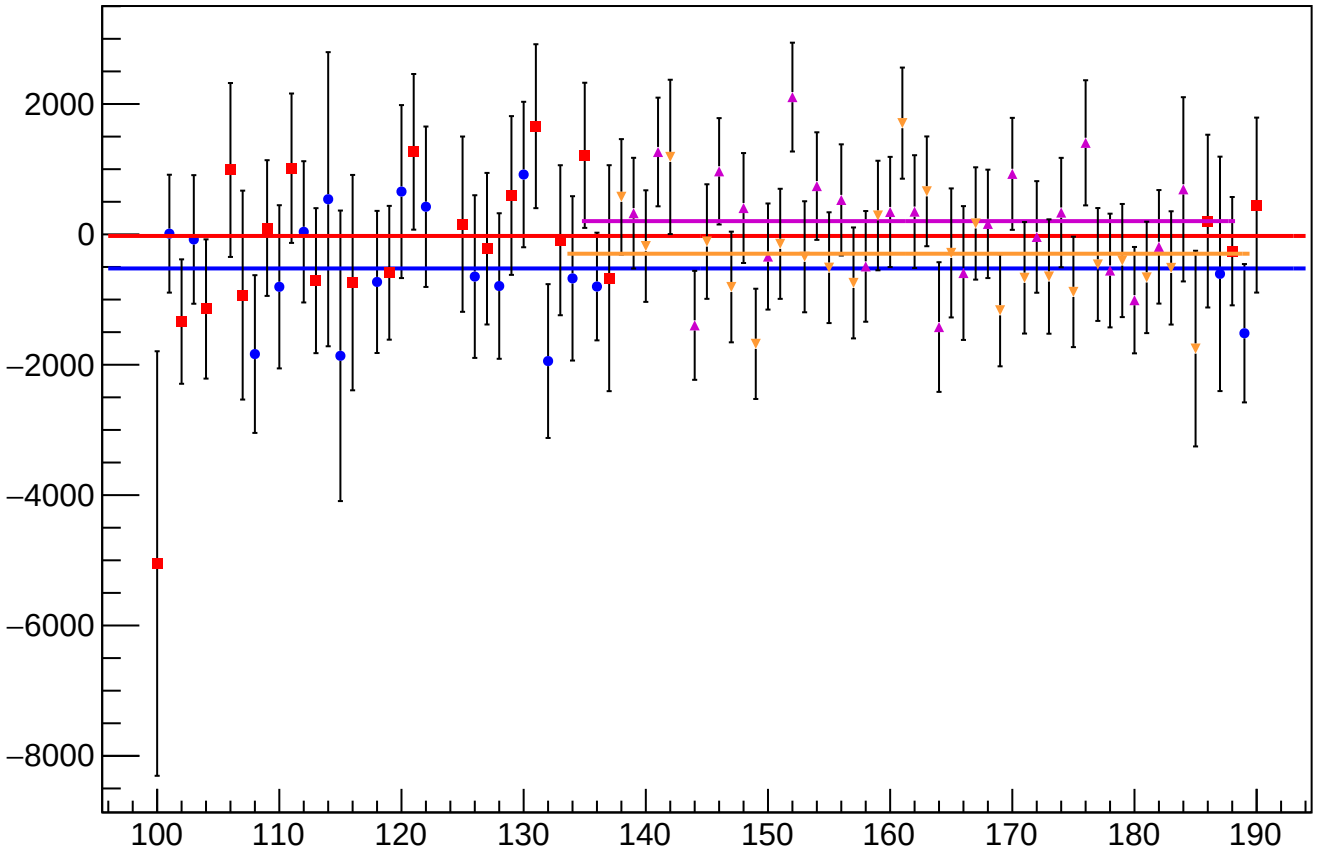
Right Out: 719.400+/-0.185 χ^2/NDF: 2767343.0/20

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

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

All: 543.054+/-0.054 χ^2/NDF: 7312537.6/85

- sign 545.129+/-0.077 χ^2/NDF: 4273744.6/43



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

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

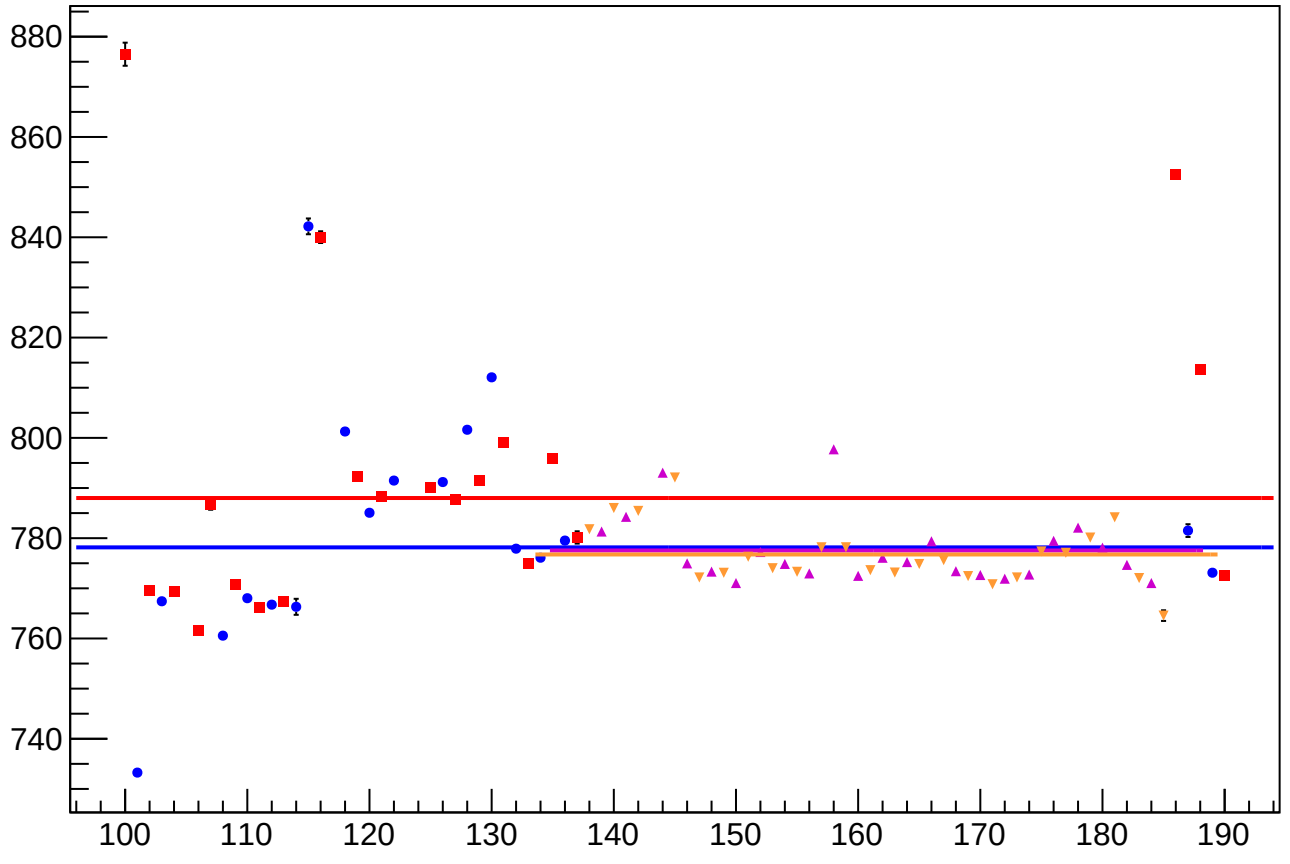
Right Out: -24.251+/-261.727 χ^2/NDF: 12.9/20

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

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

All: -114.665+/-106.085 χ^2/NDF: 66.3/85

\- sign 129.405+/-149.173 χ^2/NDF: 35.5/43



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

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

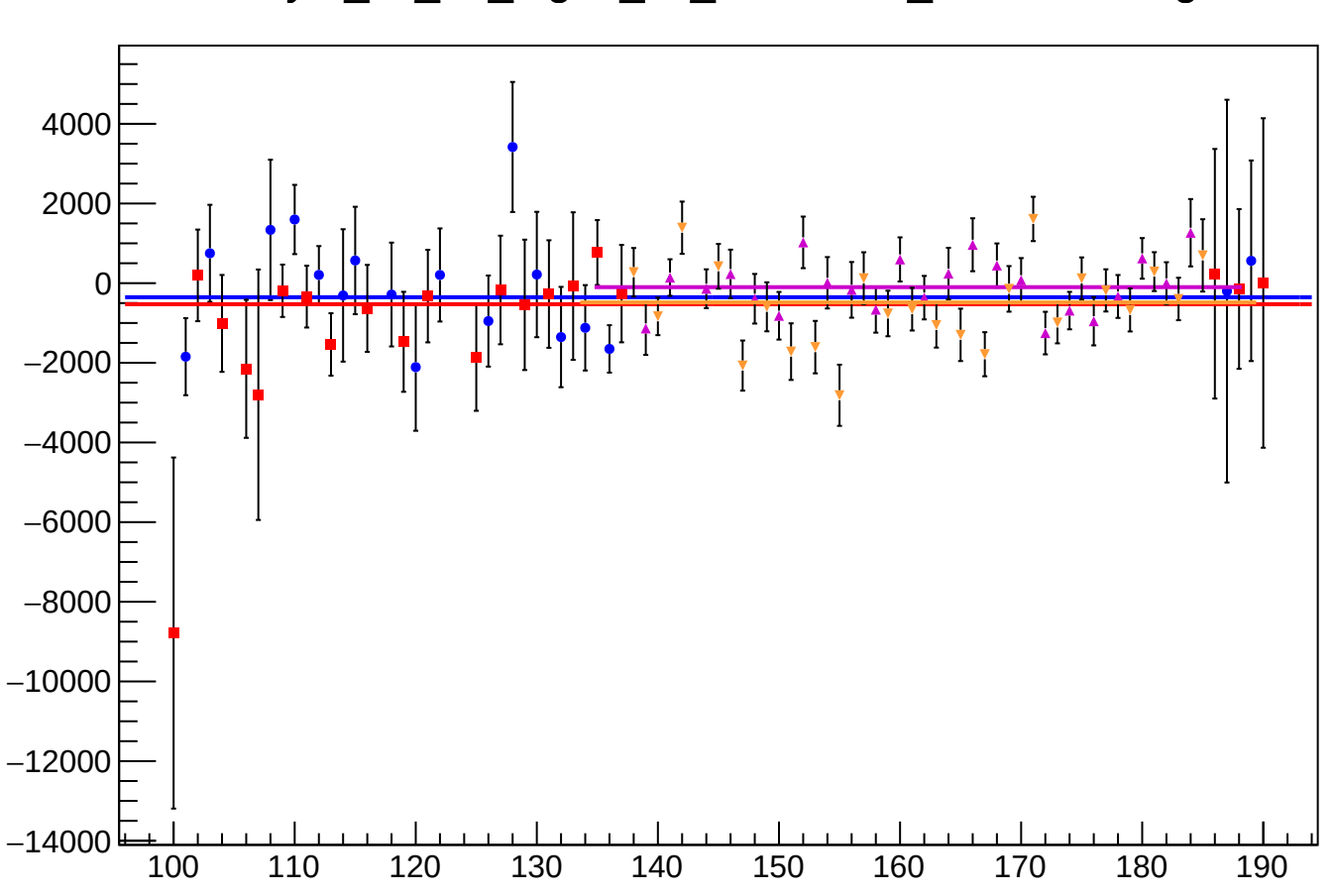
Right Out: 788.008+/-0.185 χ^2/NDF: 15097.8/20

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

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

All: 779.083+/-0.075 χ^2/NDF: 34349.6/85

- sign 780.947+/-0.105 χ^2/NDF: 20004.6/43



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: -528.505+/-261.534 χ^2/NDF: 11.9/20

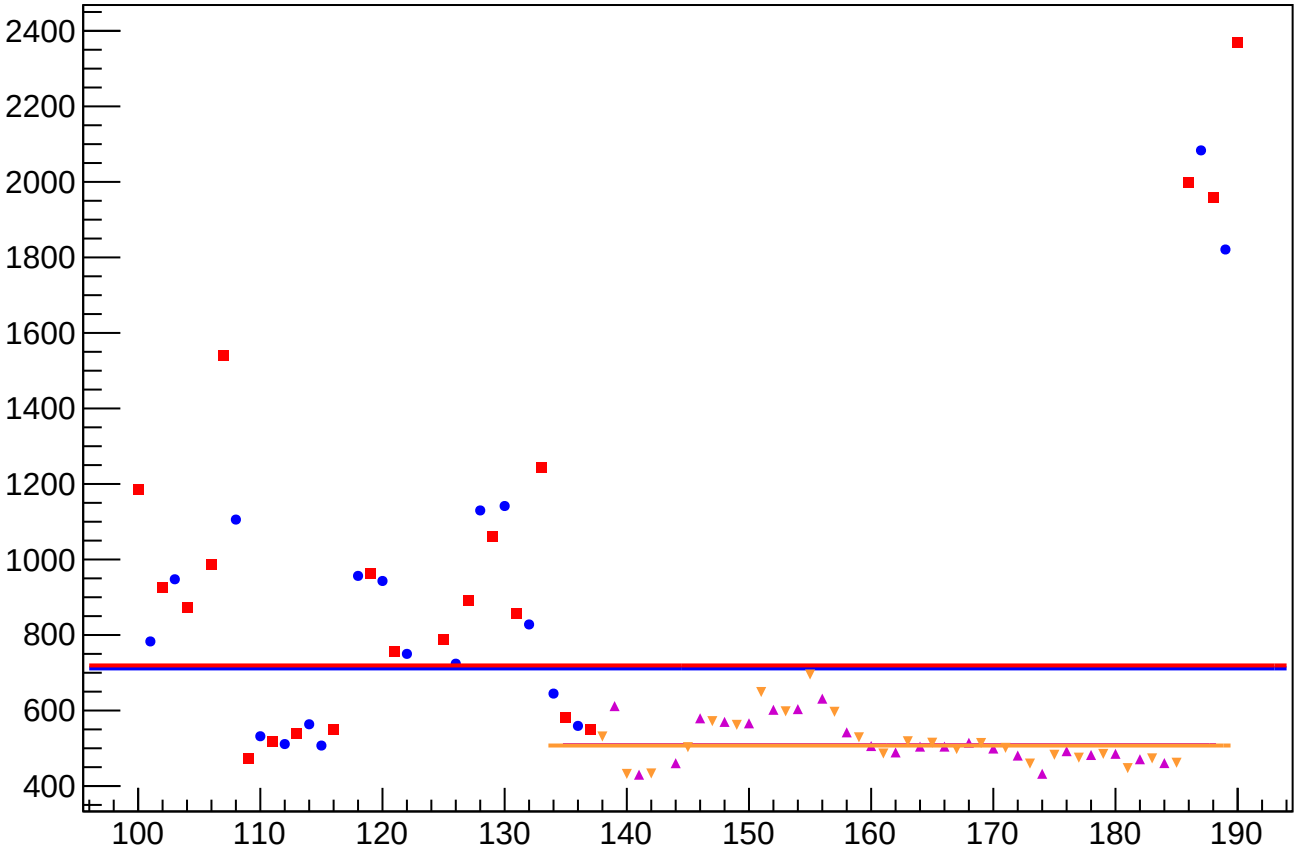
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

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

All: -318.163+/-76.860 χ^2/NDF: 133.8/85

- sign -174.179+/-108.824 χ^2/NDF: 41.5/43

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: 719.396+/-0.185 χ^2/NDF: 2767367.6/20

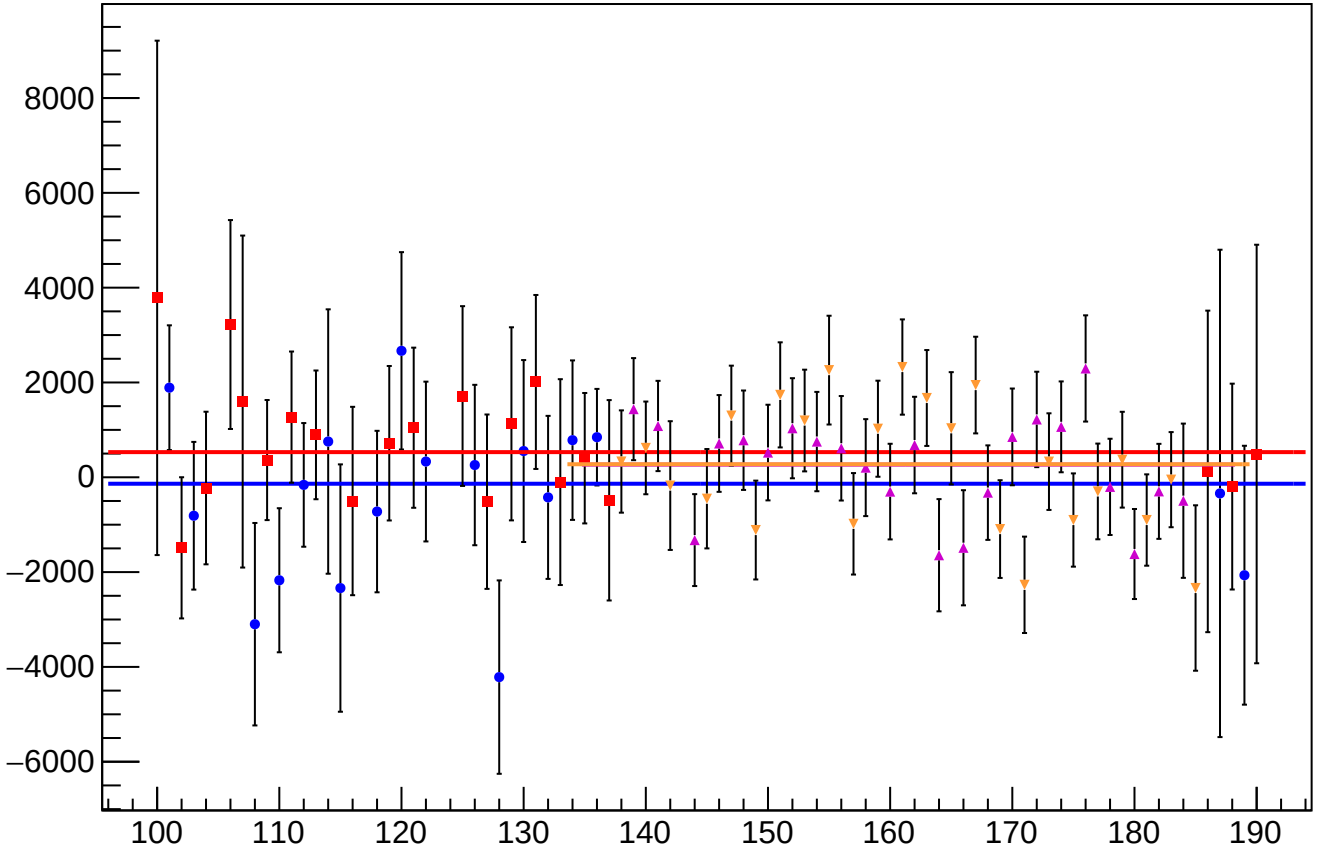
Left In: 508.638+/-0.085 χ^2/NDF:432461.7/22

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

All: 543.054+/-0.054 χ^2/NDF: 7312545.0/85

- sign 545.129+/-0.077 χ^2/NDF: 4273756.5/43

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: 530.832+/-399.869 χ^2/NDF: 6.7/20

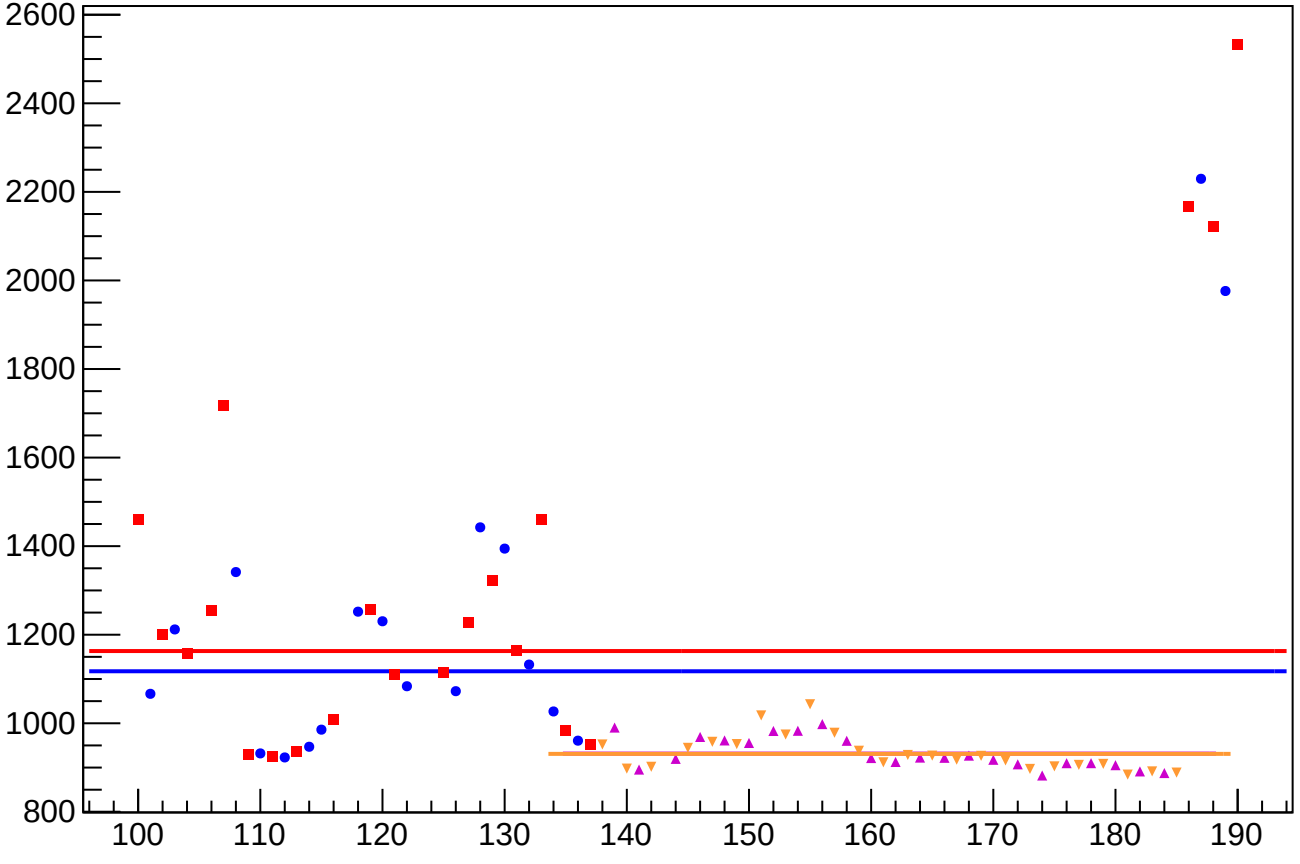
Left In: 267.059+/-217.685 χ^2/NDF:21.4/22

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

All: 255.304+/-135.018 χ^2/NDF: 78.1/85

- sign 327.360+/-191.190 χ^2/NDF: 28.4/43

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: 1163.127+/-0.283 χ^2/NDF: 1130886.4/20

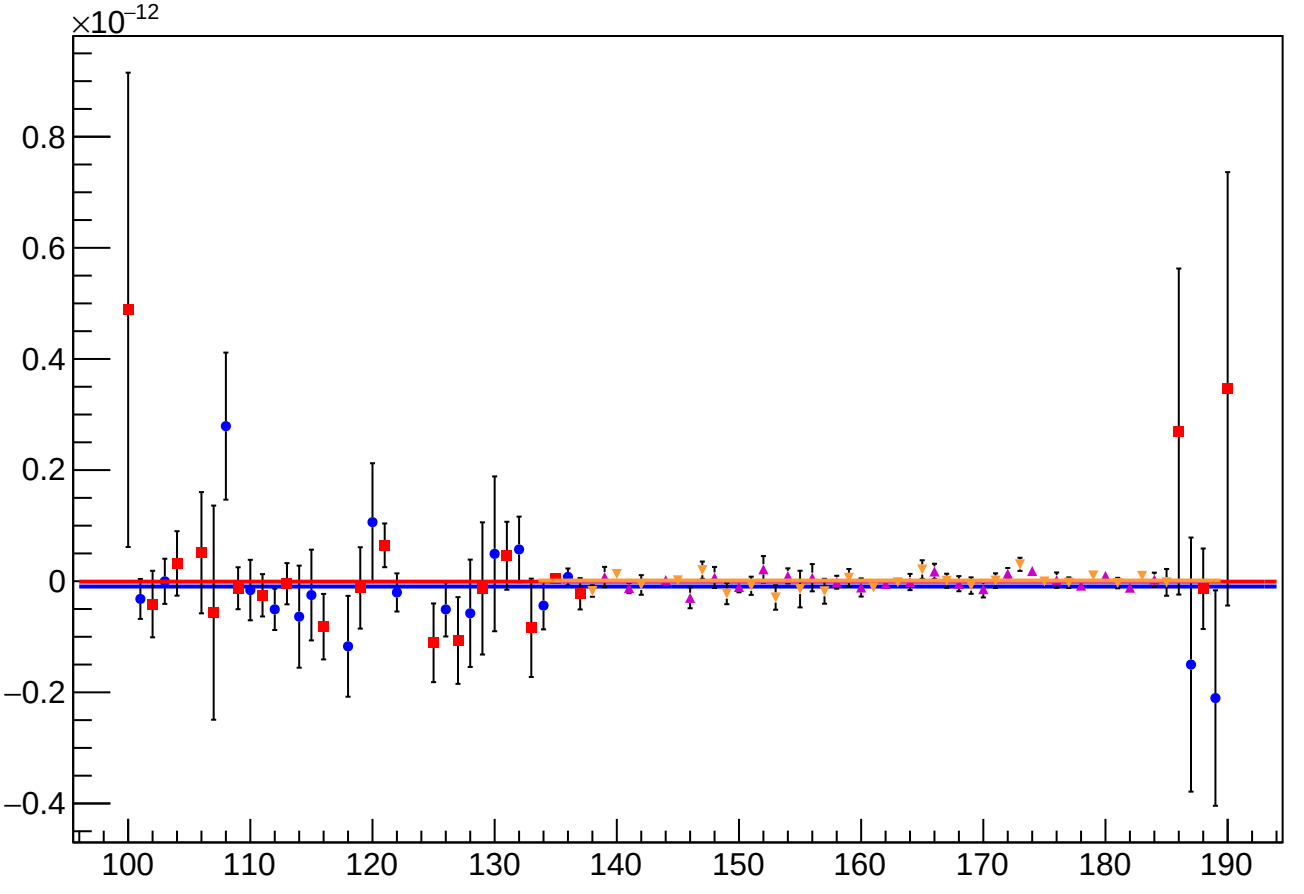
Left In: 931.562+/-0.154 χ^2/NDF:48916.1/22

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

All: 978.462+/-0.095 χ^2/NDF: 2671367.7/85

- sign 984.500+/-0.135 χ^2/NDF: 1697187.5/43

asym_us_dd_reg_vs_cor_diff_mean vs Slug



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

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

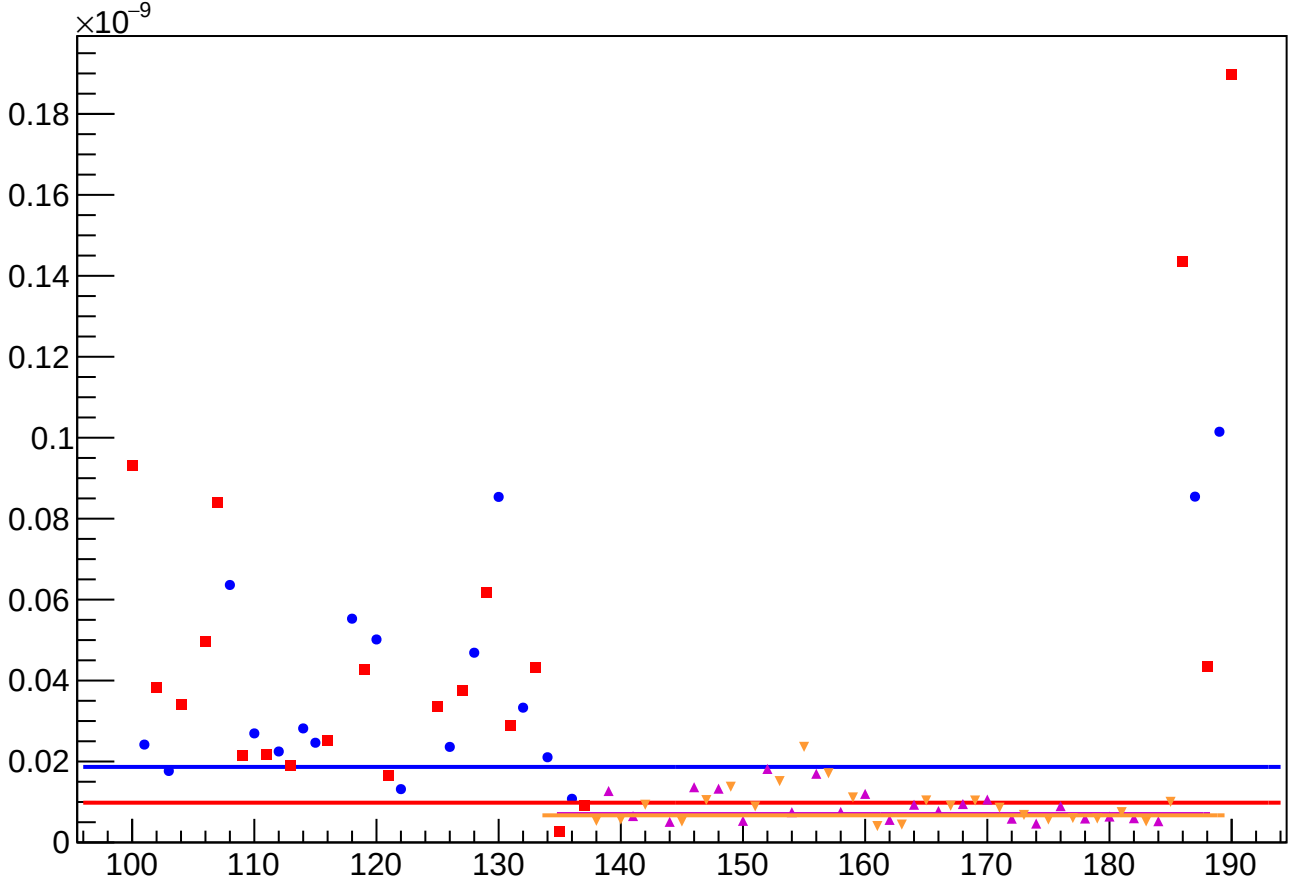
Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/20

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: 80.2/85

- sign 0.000+/-0.000 χ^2/NDF: 38.1/43



Right In: 0.000+/-0.000 χ^2/NDF: 2780481.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:2928195.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6419088.4/20

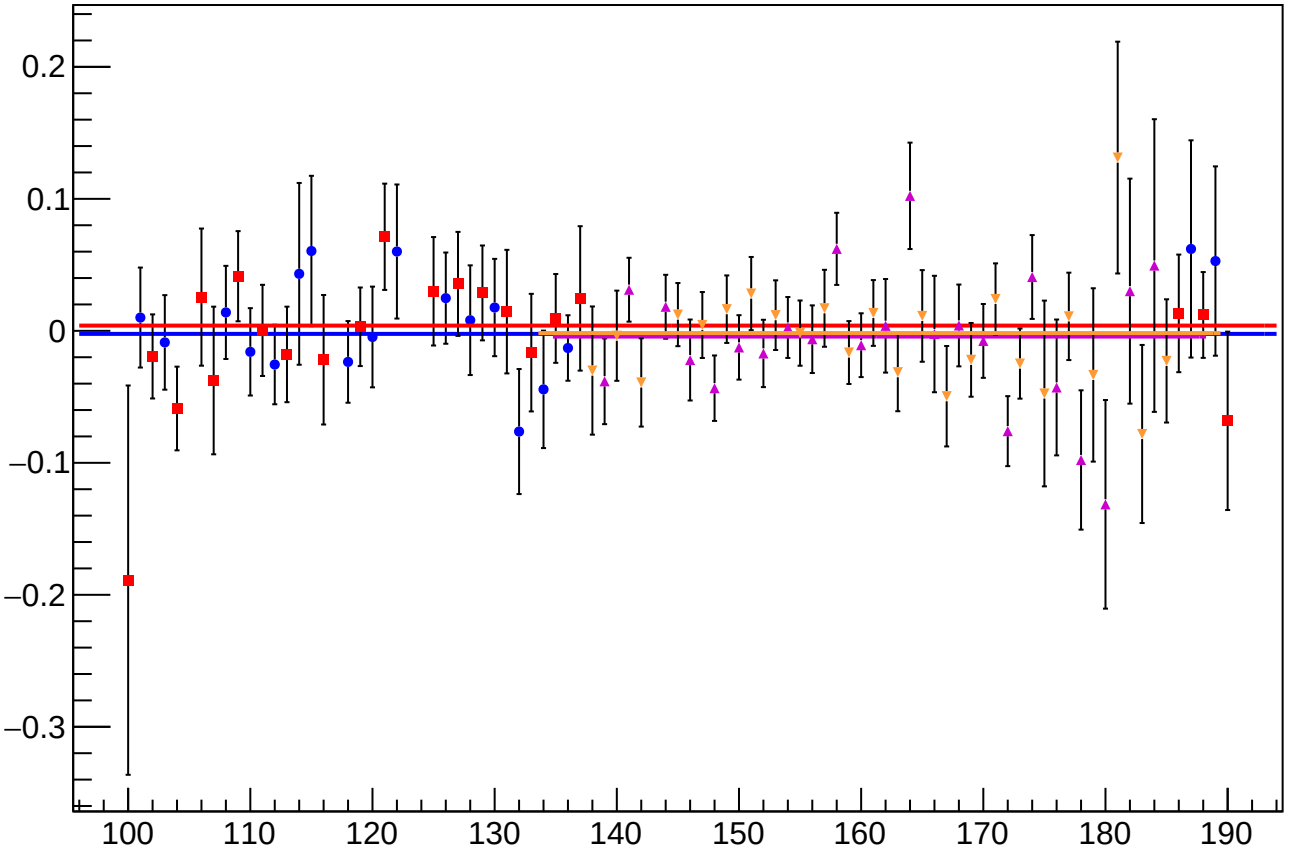
Left In: 0.000+/-0.000 χ^2/NDF:2443418.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 8322027.2/41

All: 0.000+/-0.000 χ^2/NDF: 17455526.4/85

- sign 0.000+/-0.000 χ^2/NDF: 9133387.1/43

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

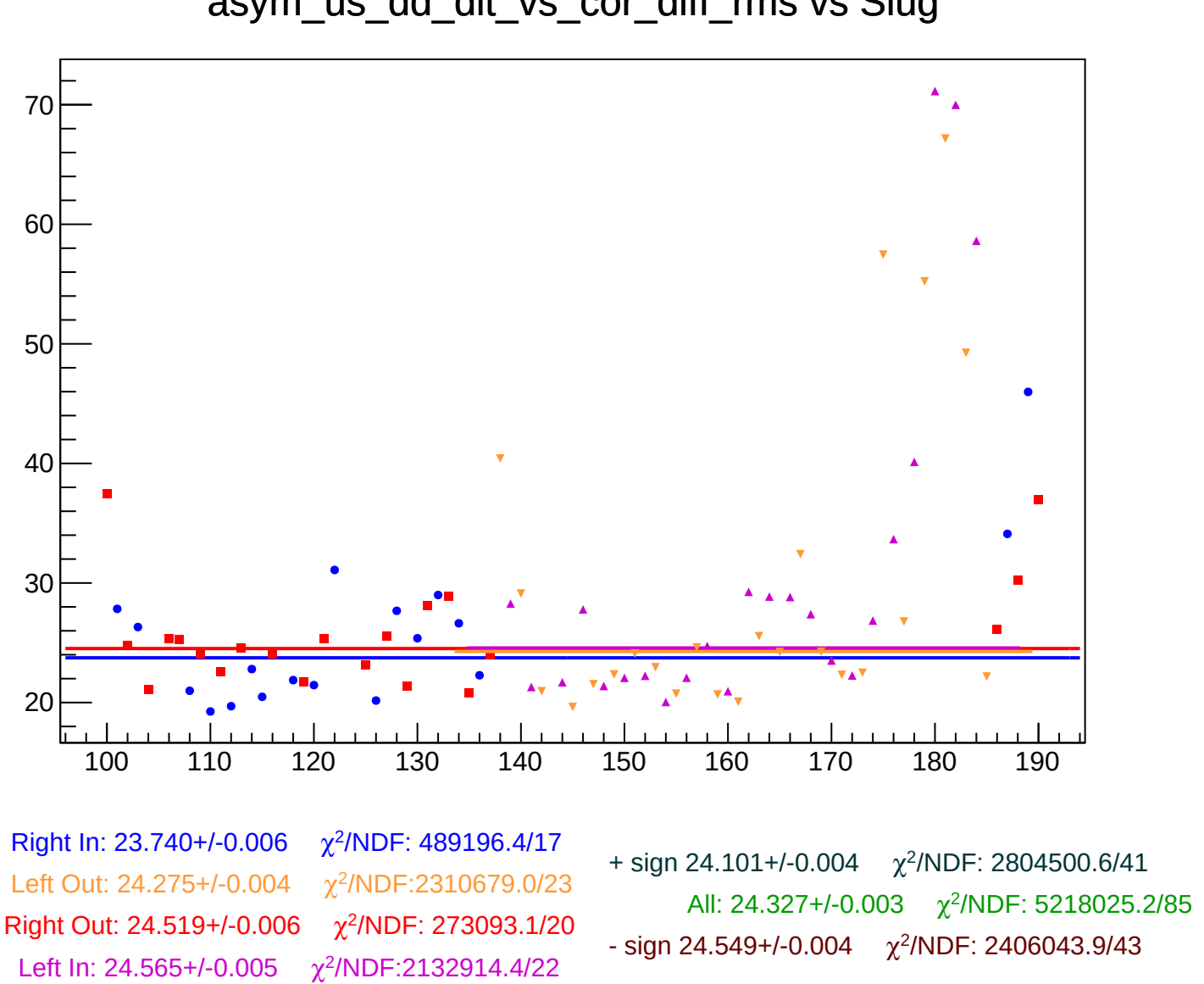
Right Out: 0.004+/-0.009 χ^2/NDF: 14.7/20

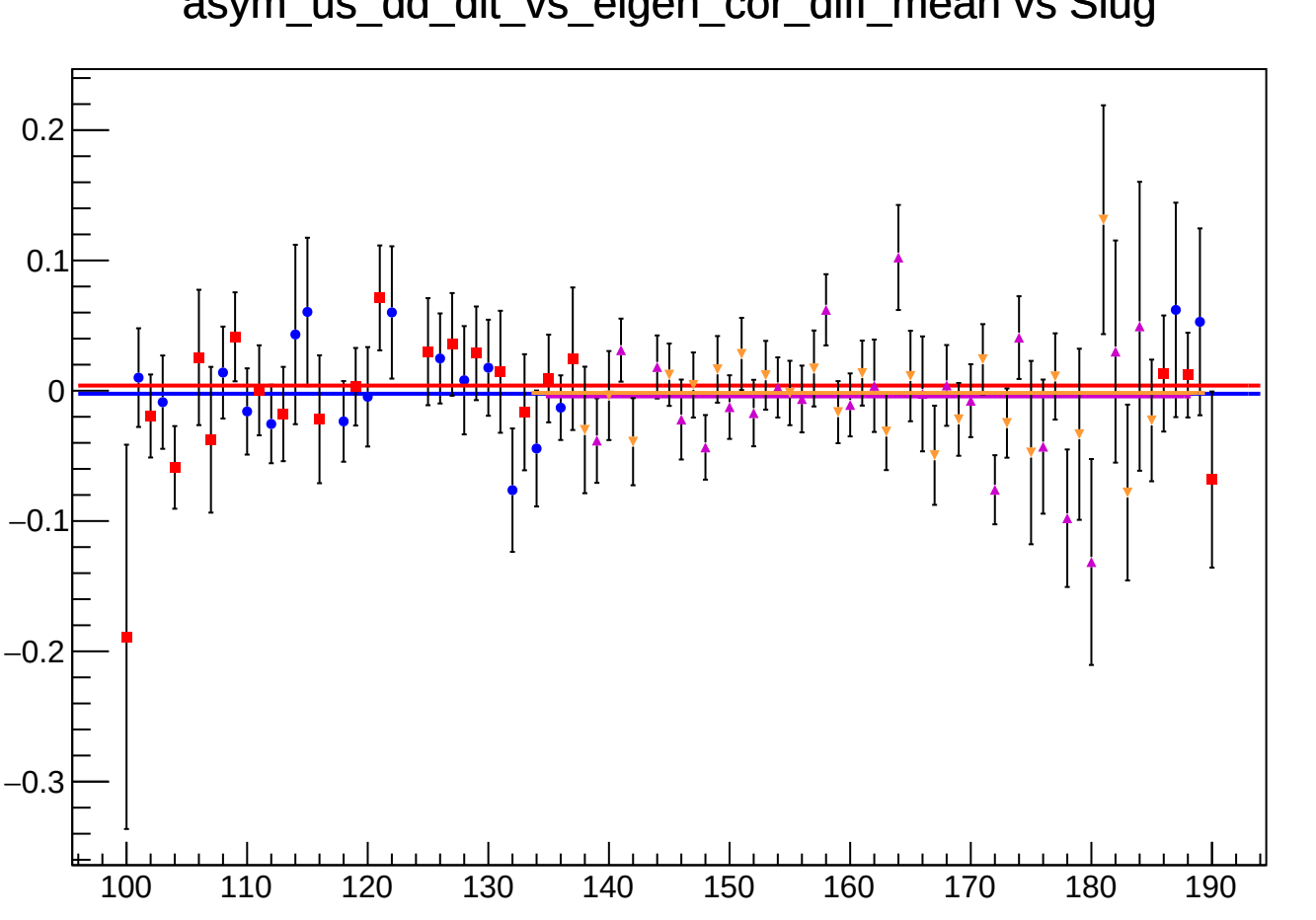
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

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

All: -0.002+/-0.004 χ^2/NDF: 76.9/85

- sign -0.001+/-0.005 χ^2/NDF: 51.9/43


asym_us_dd_dit_vs_cor_diff_rms vs Slug
70
60
50
40
30
20
100
110
120
130
140
150
160
170
180
190
Right In: 23.740+/-0.006 χ²/NDF: 489196.4/17
Left Out: 24.275+/-0.004 χ²/NDF:2310679.0/23
Right Out: 24.519+/-0.006 χ²/NDF: 273093.1/20
Left In: 24.565+/-0.005 χ²/NDF:2132914.4/22
+ sign 24.101+/-0.004 χ²/NDF: 2804500.6/41
All: 24.327+/-0.003 χ²/NDF: 5218025.2/85
- sign 24.549+/-0.004 χ²/NDF: 2406043.9/43



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

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

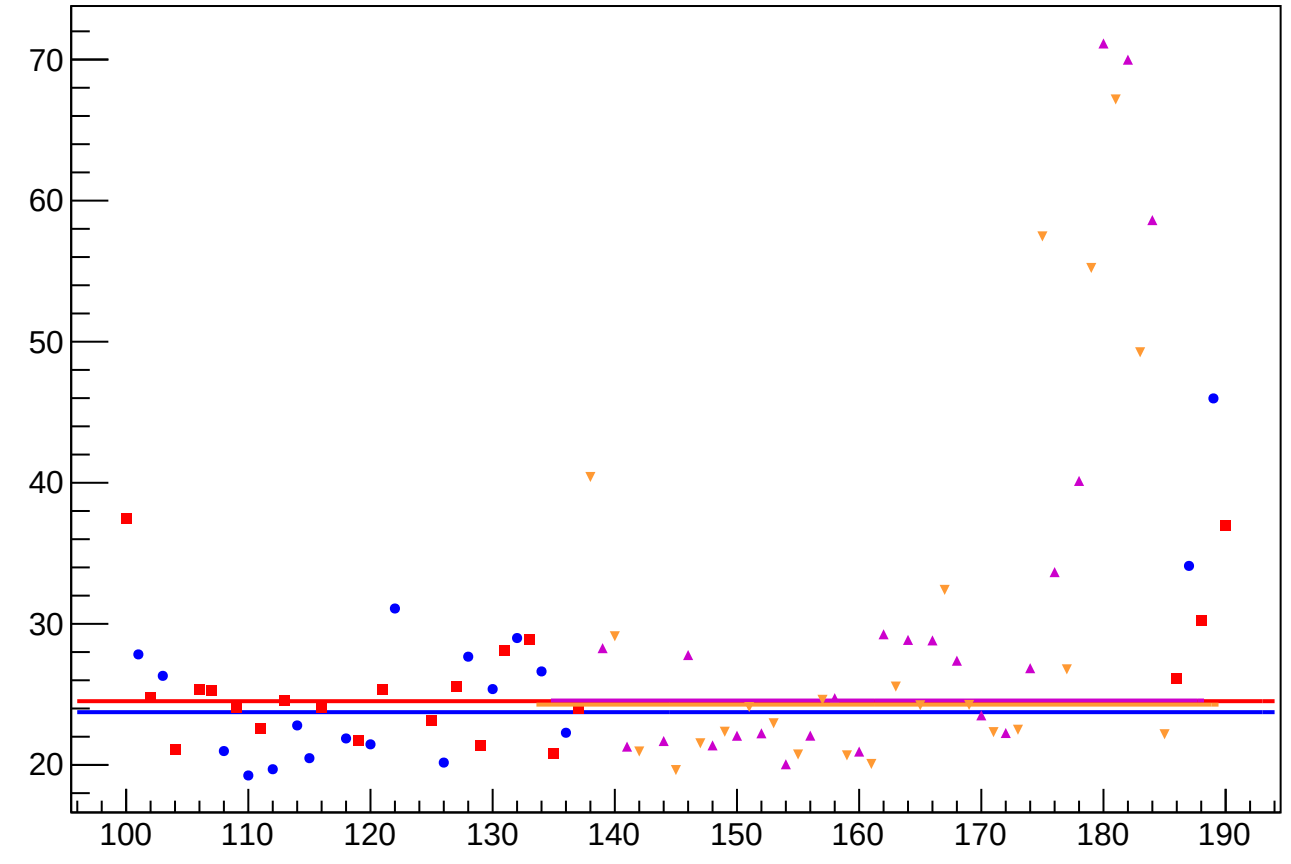
Right Out: 0.004+/-0.009 χ^2/NDF: 14.7/20

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

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

All: -0.002+/-0.004 χ^2/NDF: 76.9/85

- sign -0.001+/-0.005 χ^2/NDF: 51.9/43



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

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

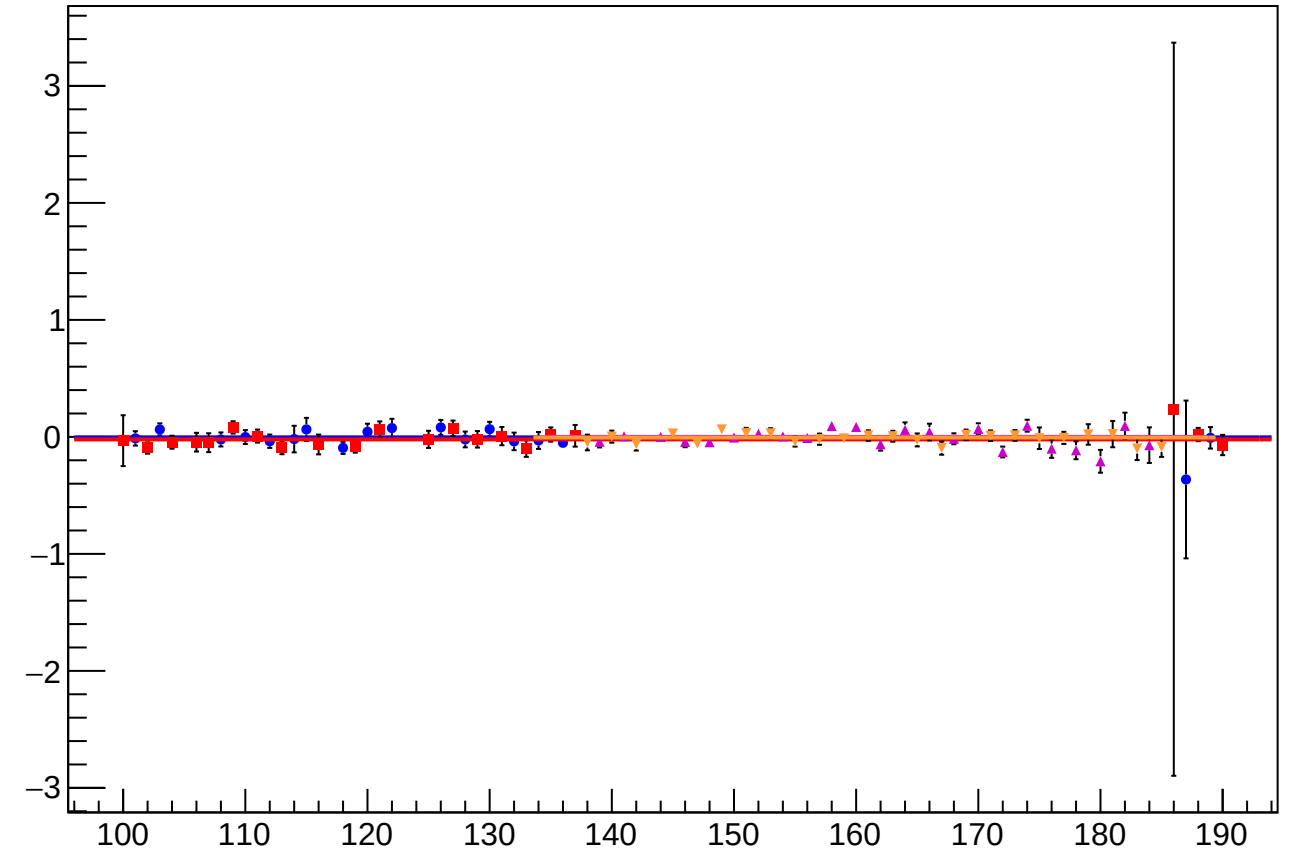
Right Out: 24.519+/-0.006 χ^2/NDF: 273093.1/20

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

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

All: 24.327+/-0.003 χ^2/NDF: 5218025.2/85

- sign 24.549+/-0.004 χ^2/NDF: 2406043.9/43



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: -0.022+/-0.015 χ^2/NDF: 16.3/20

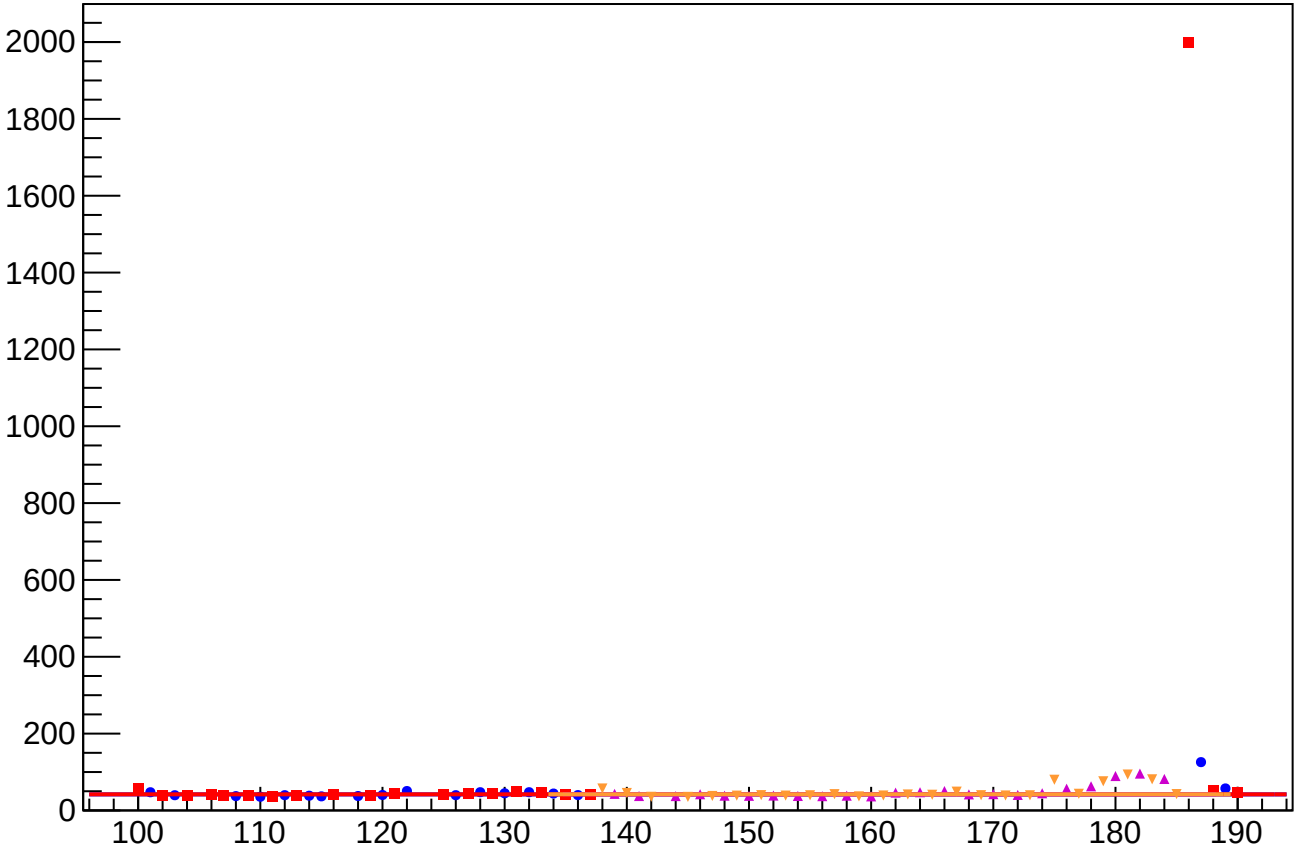
Left In: -0.000+/-0.010 χ^2/NDF:37.9/22

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

All: -0.006+/-0.006 χ^2/NDF: 81.5/85

\- sign -0.007+/-0.008 χ^2/NDF: 55.6/43

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

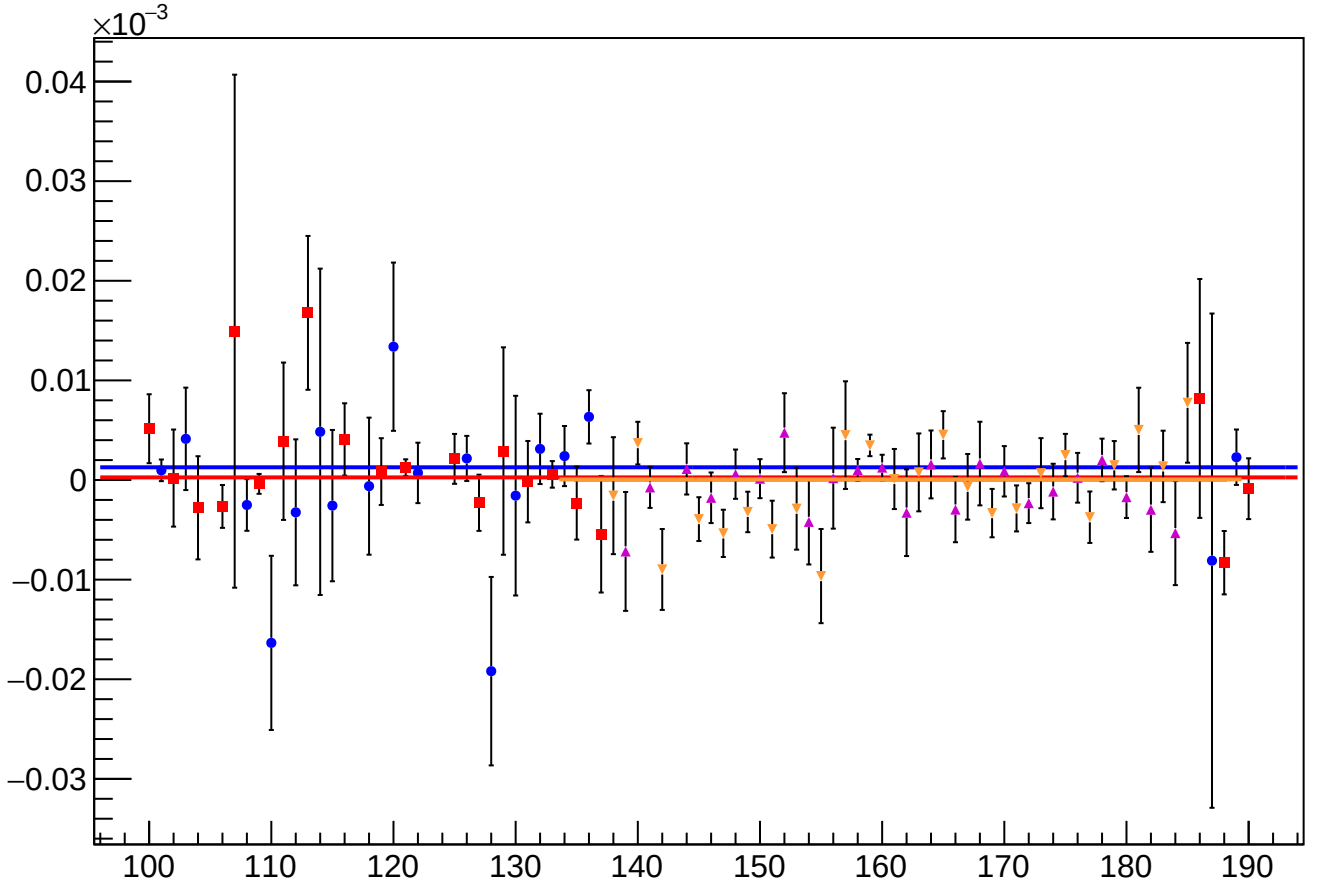
Right Out: 41.999+/-0.010 χ^2/NDF: 948960.1/20

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

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

All: 42.017+/-0.004 χ^2/NDF: 4435094.8/85

- sign 42.052+/-0.006 χ^2/NDF: 2492503.8/43



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

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

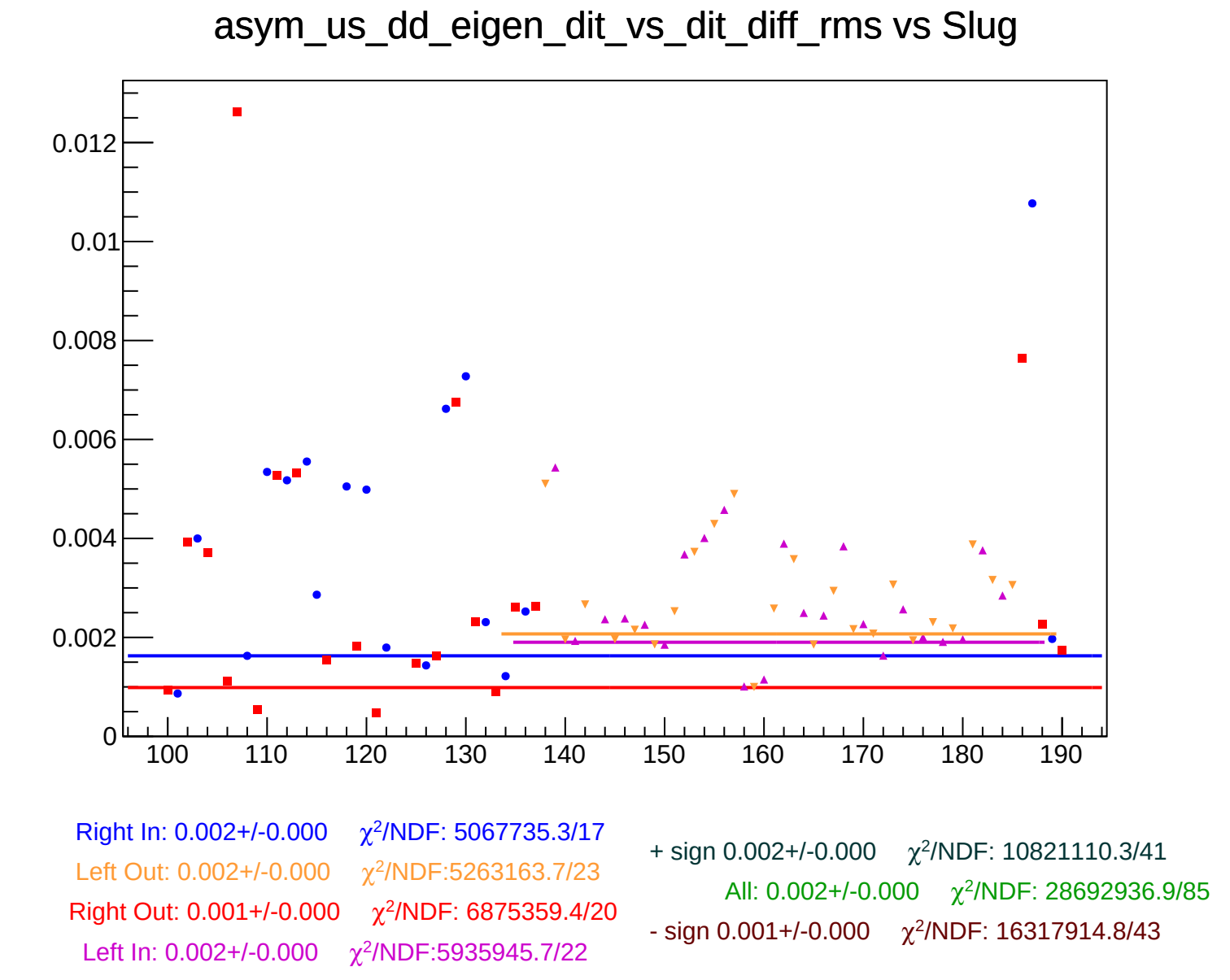
Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/20

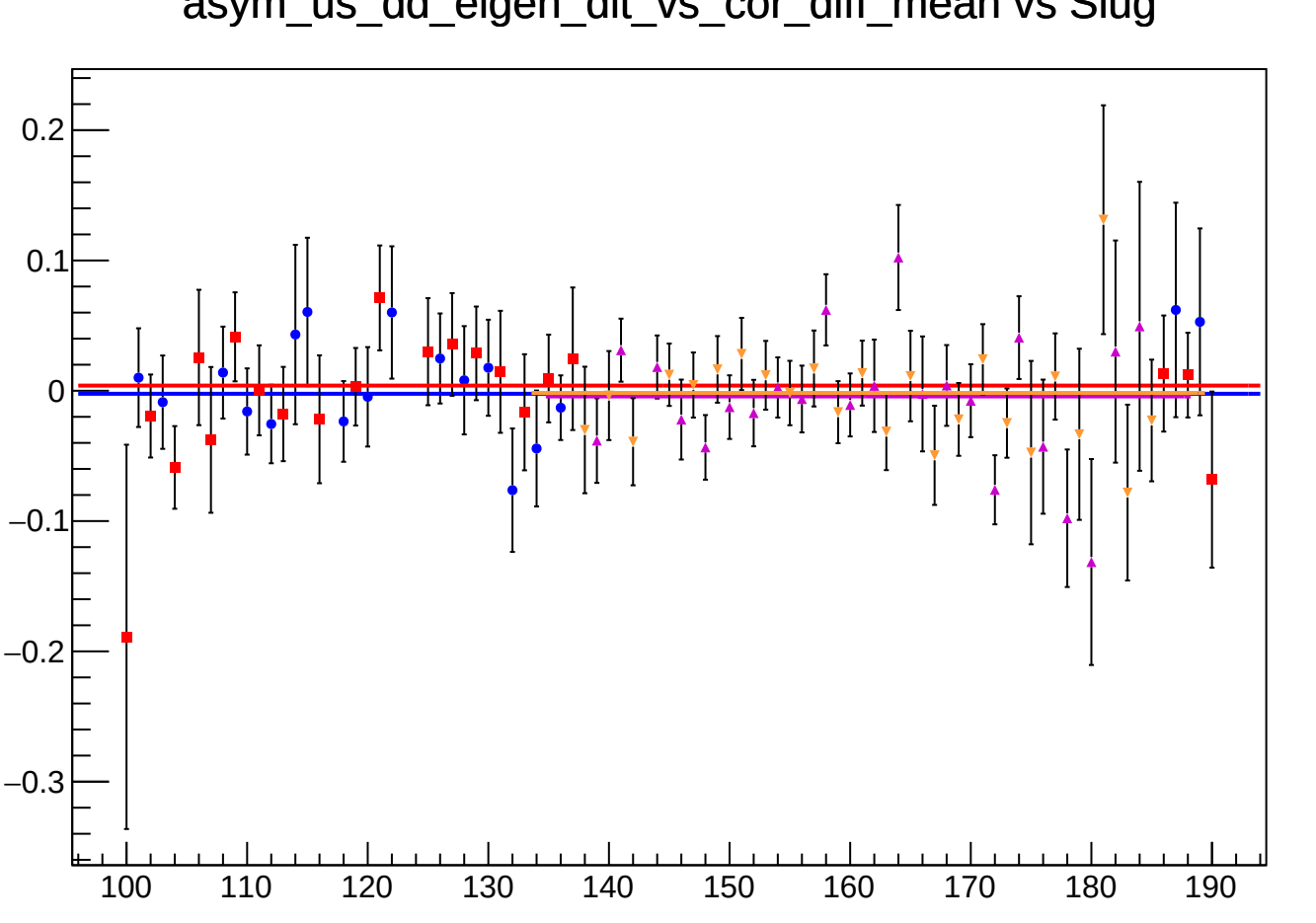
Left In: 0.000+/-0.000 χ^2/NDF:13.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 72.1/41

All: 0.000+/-0.000 χ^2/NDF: 108.5/85

- sign 0.000+/-0.000 χ^2/NDF: 36.1/43


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: 6875359.4/20
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: 28692936.9/85
- sign 0.001+/-0.000 χ²/NDF: 16317914.8/43



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

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

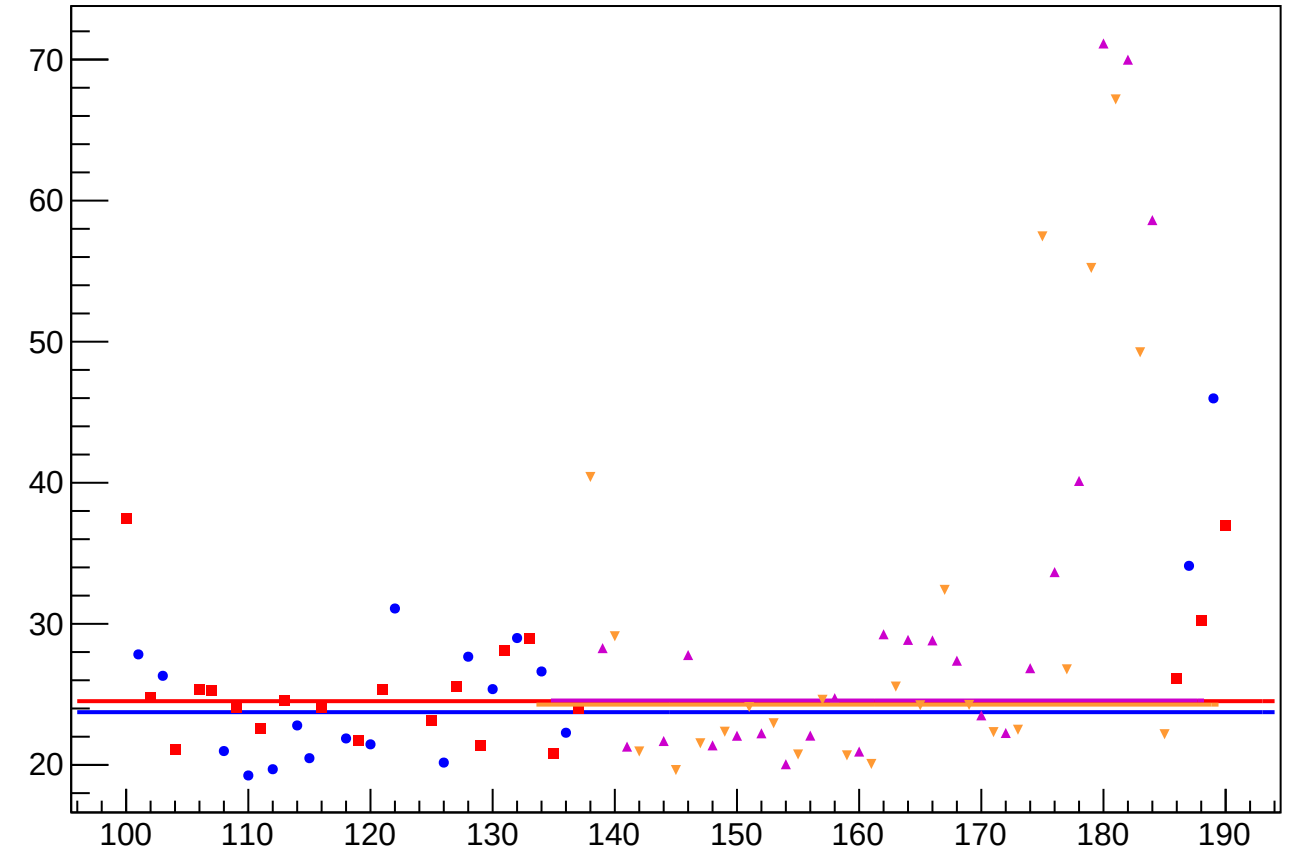
Right Out: 0.004+/-0.009 χ^2/NDF: 14.7/20

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

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

All: -0.002+/-0.004 χ^2/NDF: 76.9/85

- sign -0.001+/-0.005 χ^2/NDF: 51.9/43



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

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

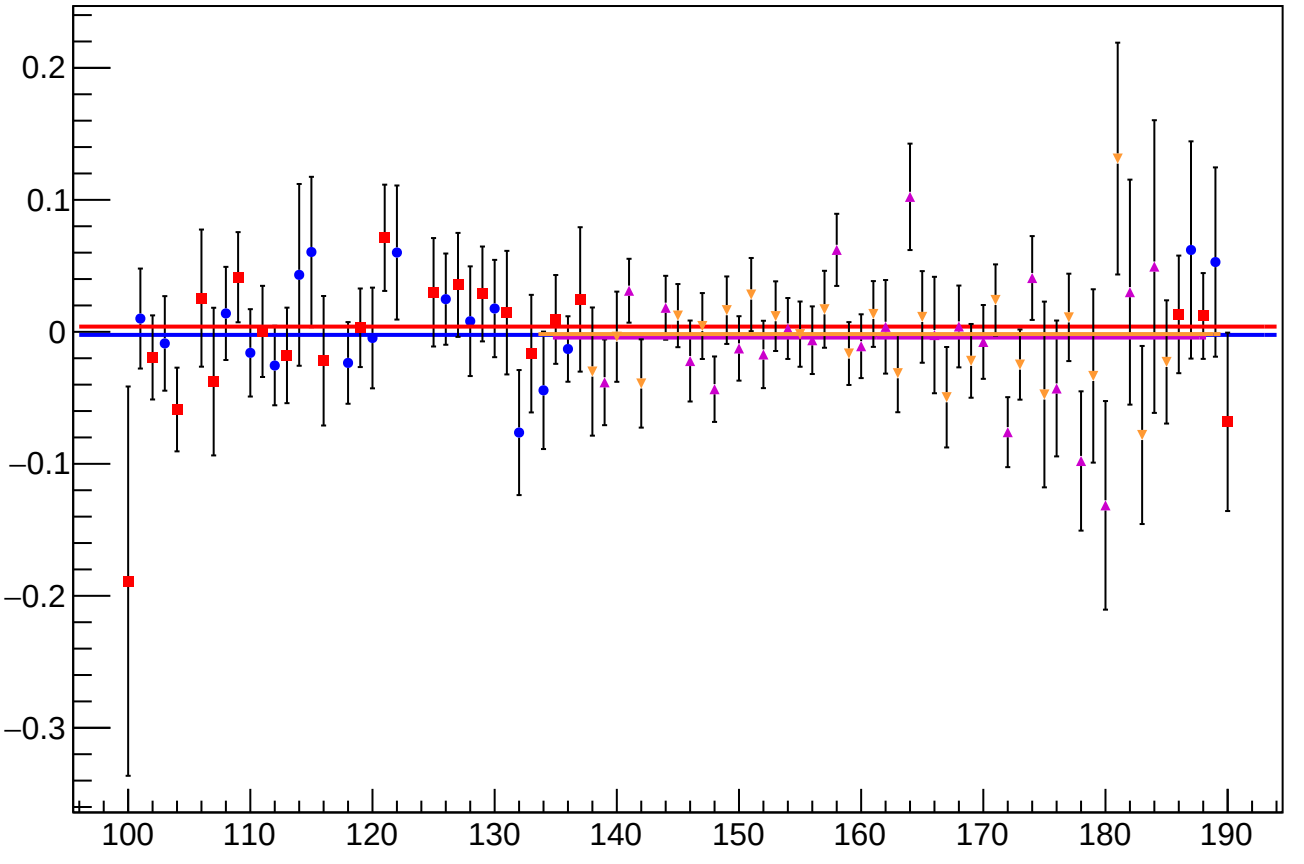
Right Out: 24.519+/-0.006 χ^2/NDF: 273043.9/20

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

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

All: 24.327+/-0.003 χ^2/NDF: 5217901.6/85

- sign 24.549+/-0.004 χ^2/NDF: 2405859.4/43



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

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

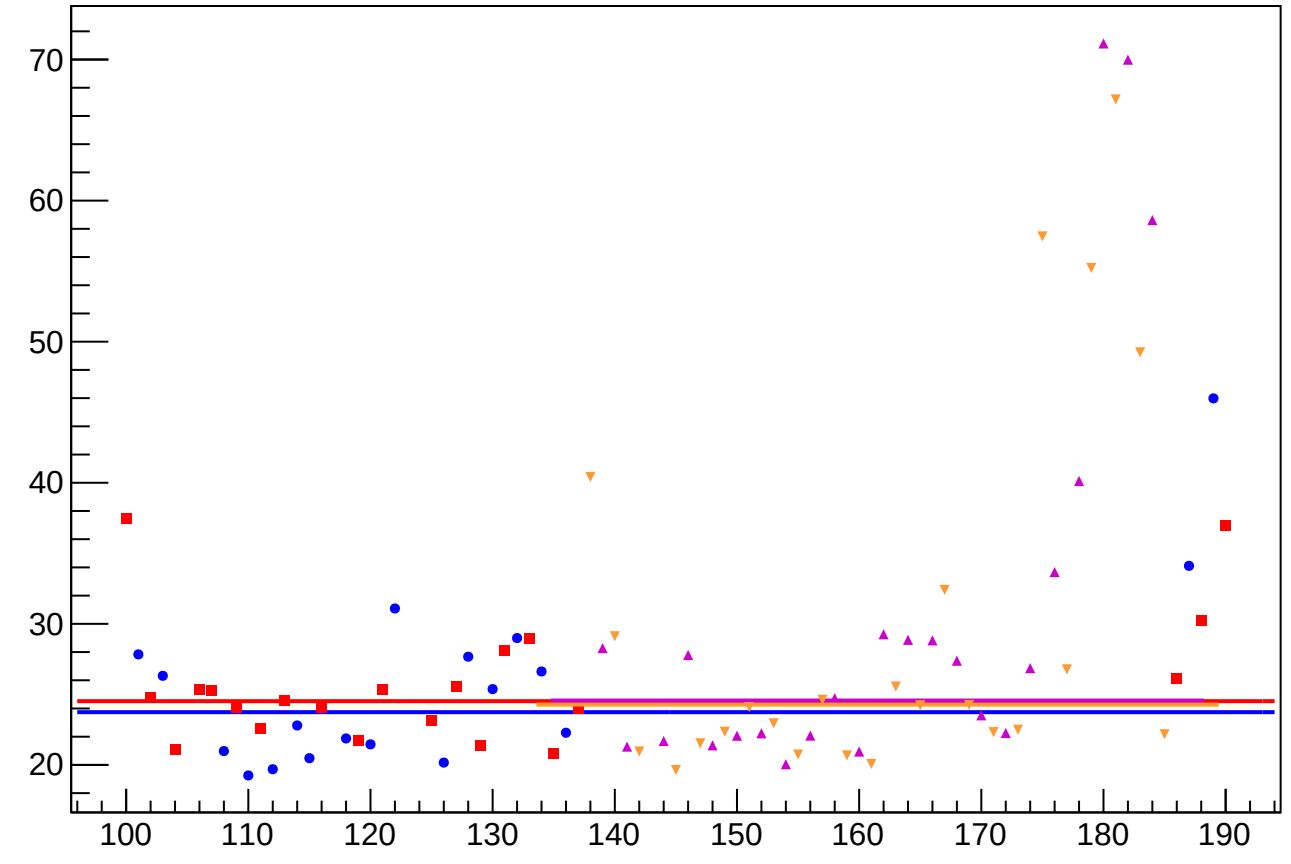
Right Out: 0.004+/-0.009 χ^2/NDF: 14.7/20

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

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

All: -0.002+/-0.004 χ^2/NDF: 76.9/85

- sign -0.001+/-0.005 χ^2/NDF: 51.9/43



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

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

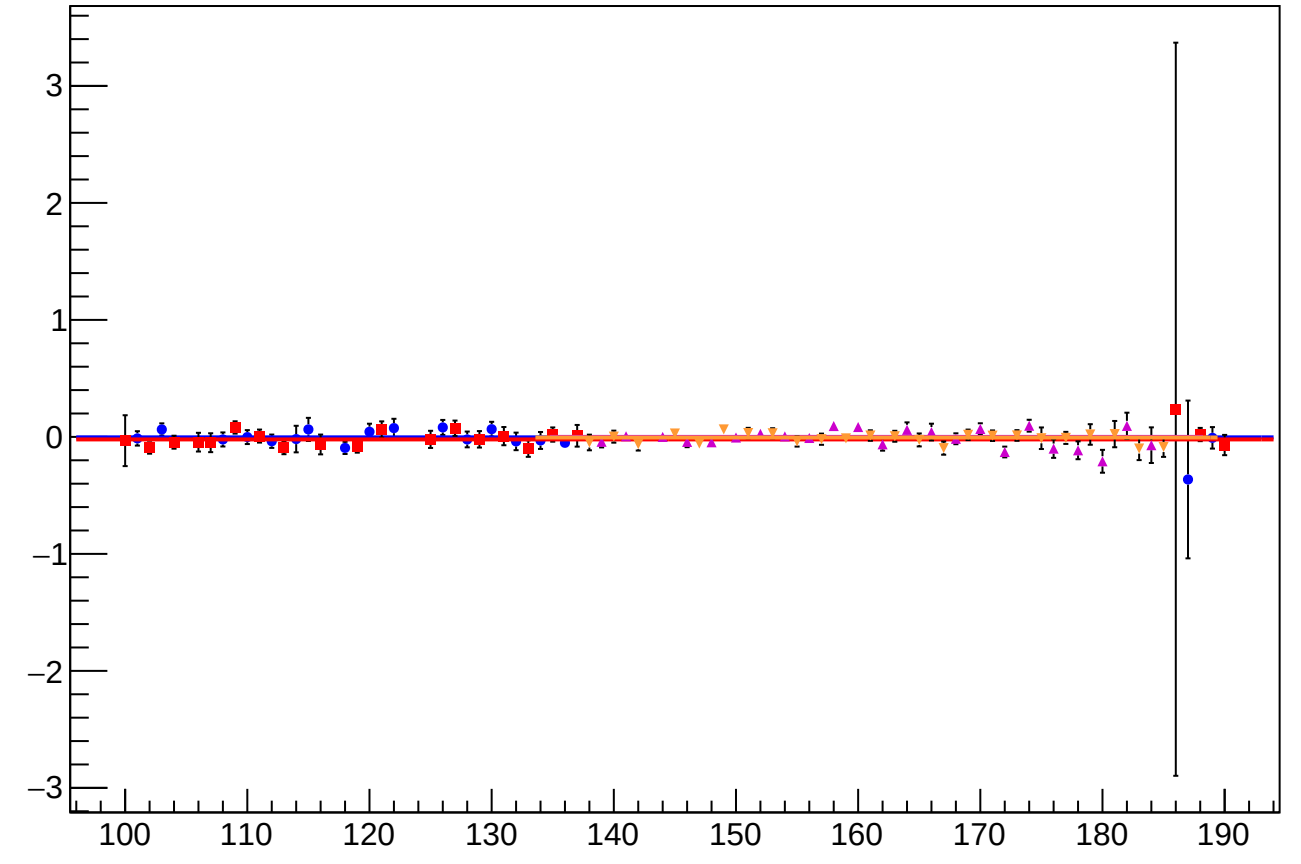
Right Out: 24.519+/-0.006 χ^2/NDF: 273043.9/20

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

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

All: 24.327+/-0.003 χ^2/NDF: 5217901.6/85

- sign 24.549+/-0.004 χ^2/NDF: 2405859.4/43



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

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

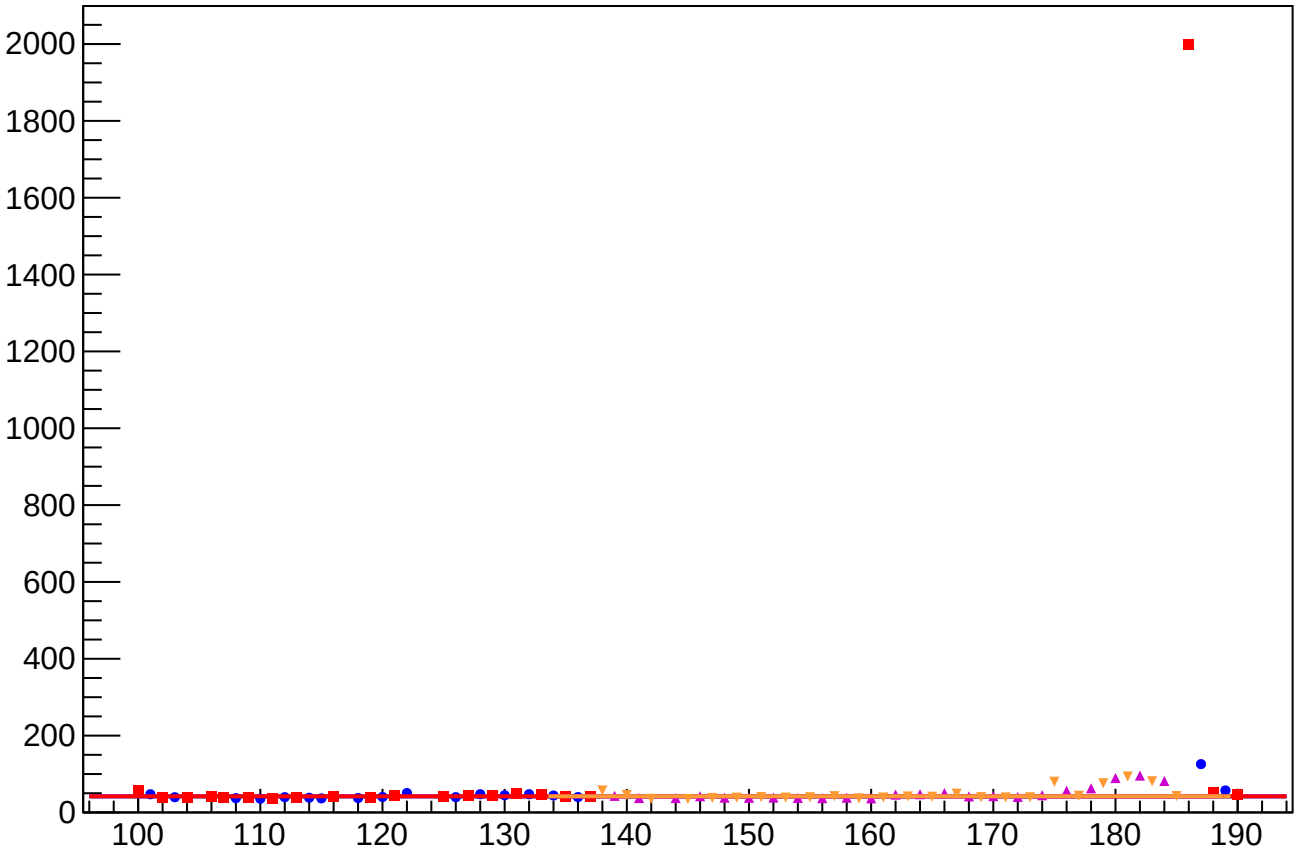
Right Out: -0.022+/-0.015 χ^2/NDF: 16.3/20

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: 81.5/85

- sign -0.007+/-0.008 χ^2/NDF: 55.6/43



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

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

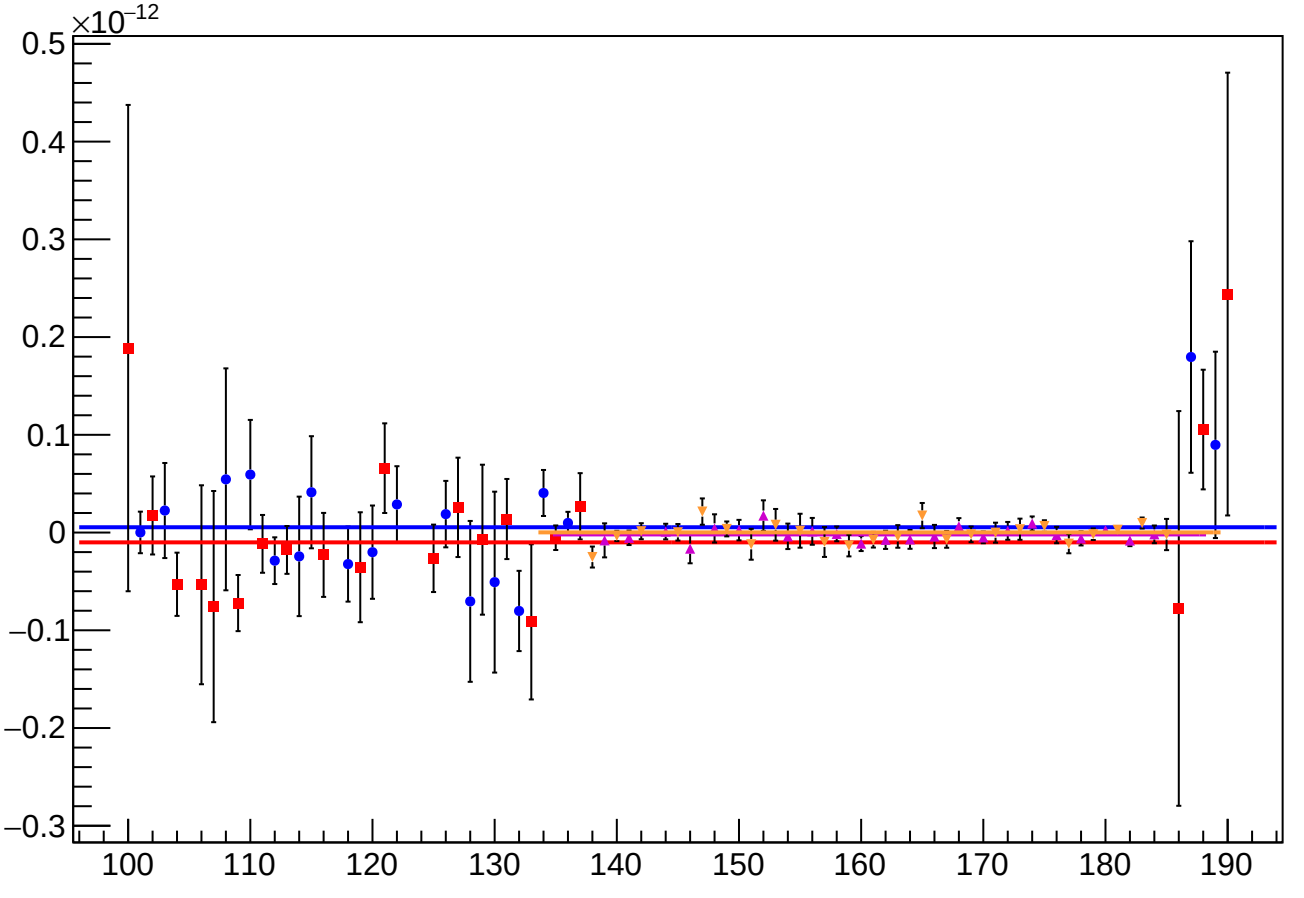
Right Out: 41.999+/-0.010 χ^2/NDF: 948950.2/20

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

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

All: 42.017+/-0.004 χ^2/NDF: 4435033.3/85

- sign 42.052+/-0.006 χ^2/NDF: 2492469.6/43



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

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

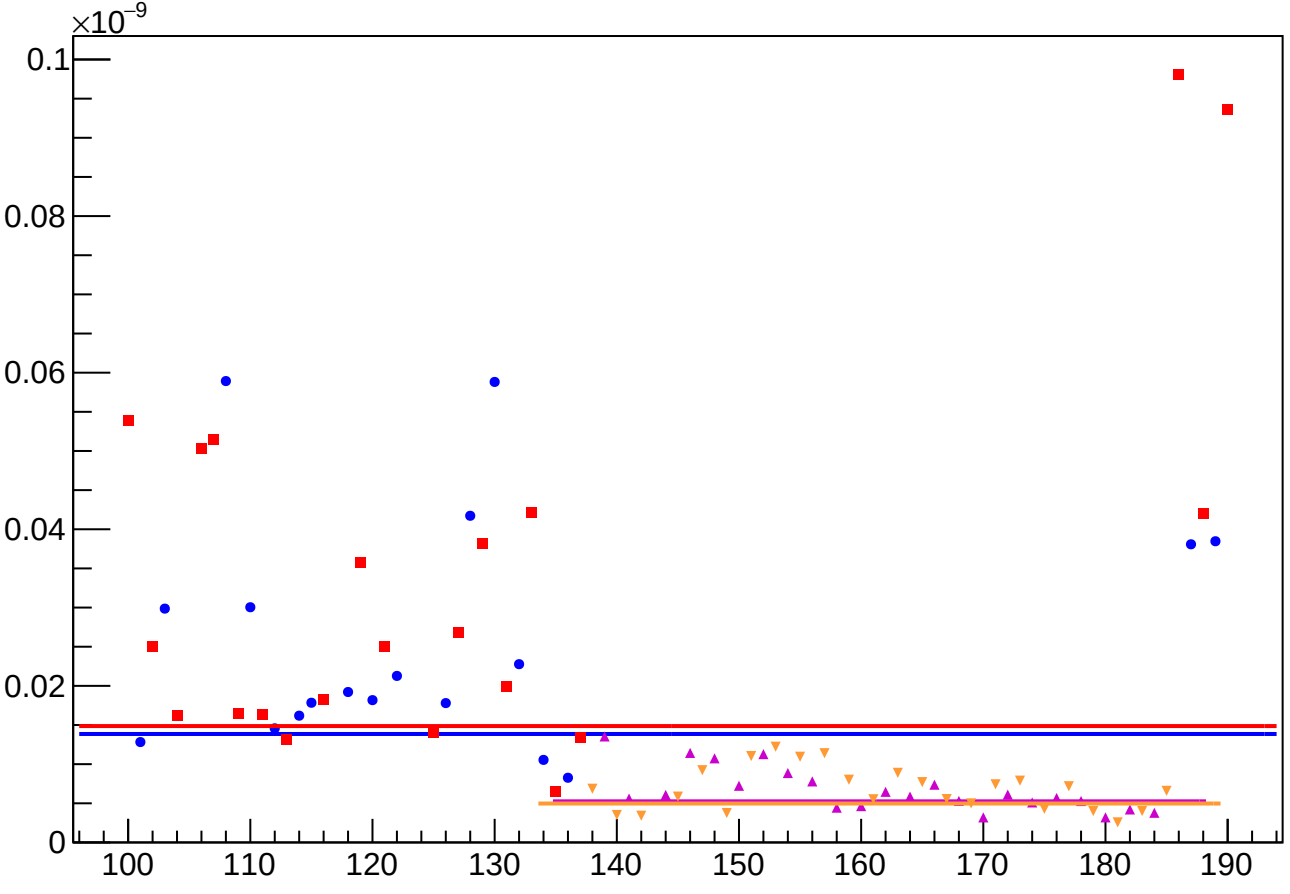
Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/20

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: 72.0/85

- sign -0.000+/-0.000 χ^2/NDF: 32.3/43



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: 3459717.0/20

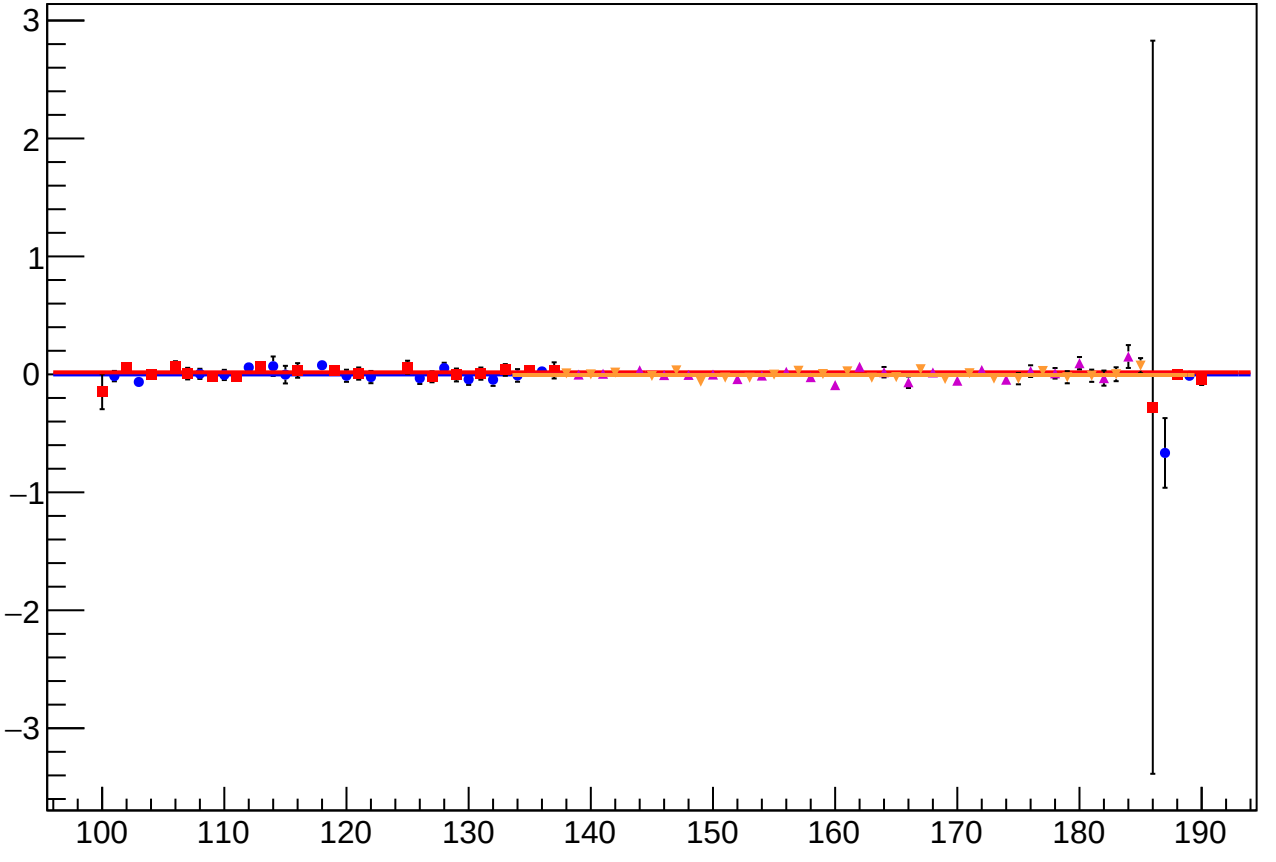
Left In: 0.000+/-0.000 χ^2/NDF:2618852.5/22

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

All: 0.000+/-0.000 χ^2/NDF: 17795708.7/85

- sign 0.000+/-0.000 χ^2/NDF: 9034006.1/43

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: 0.017+/-0.010 χ^2/NDF: 11.0/20

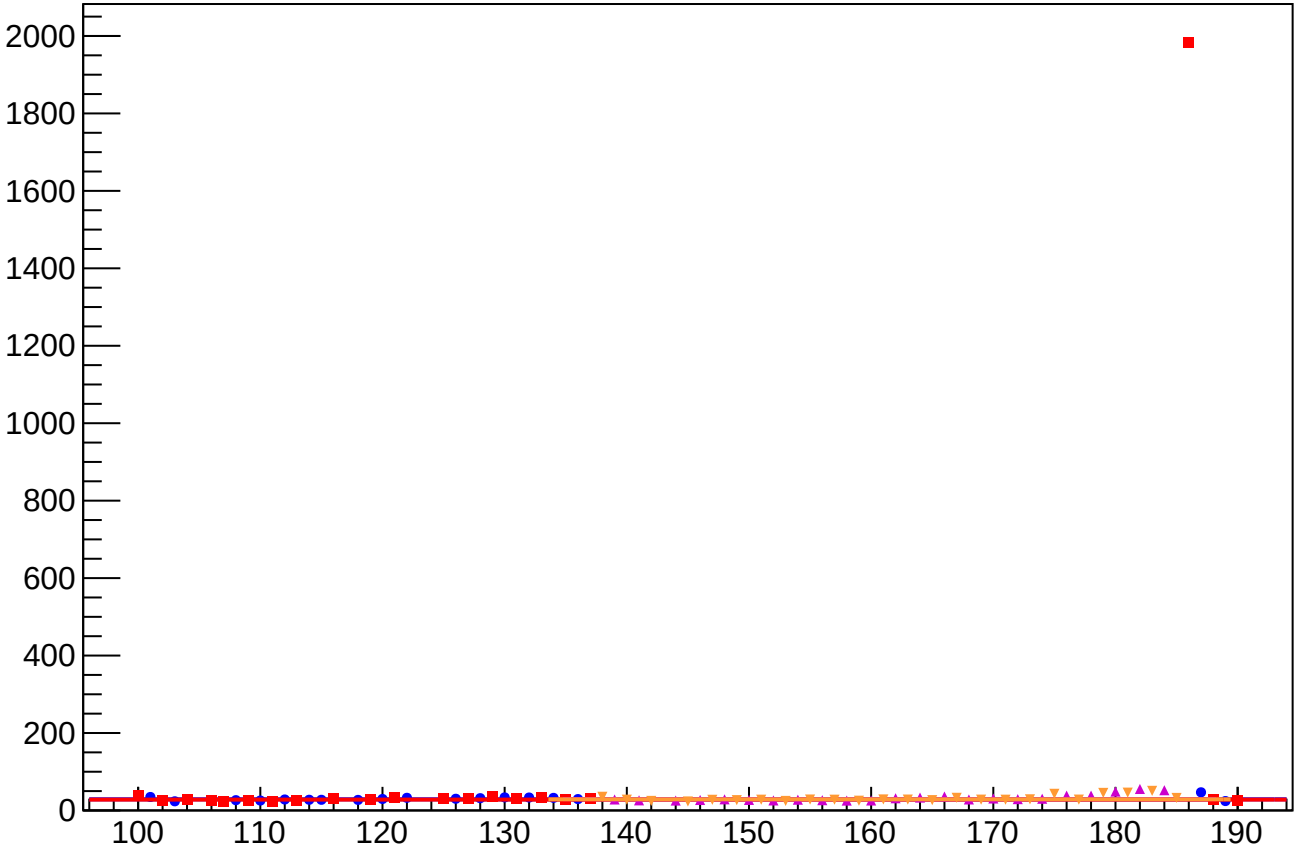
Left In: -0.004+/-0.007 χ^2/NDF:31.2/22

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

All: -0.000+/-0.004 χ^2/NDF: 83.2/85

- sign 0.003+/-0.006 χ^2/NDF: 45.2/43

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

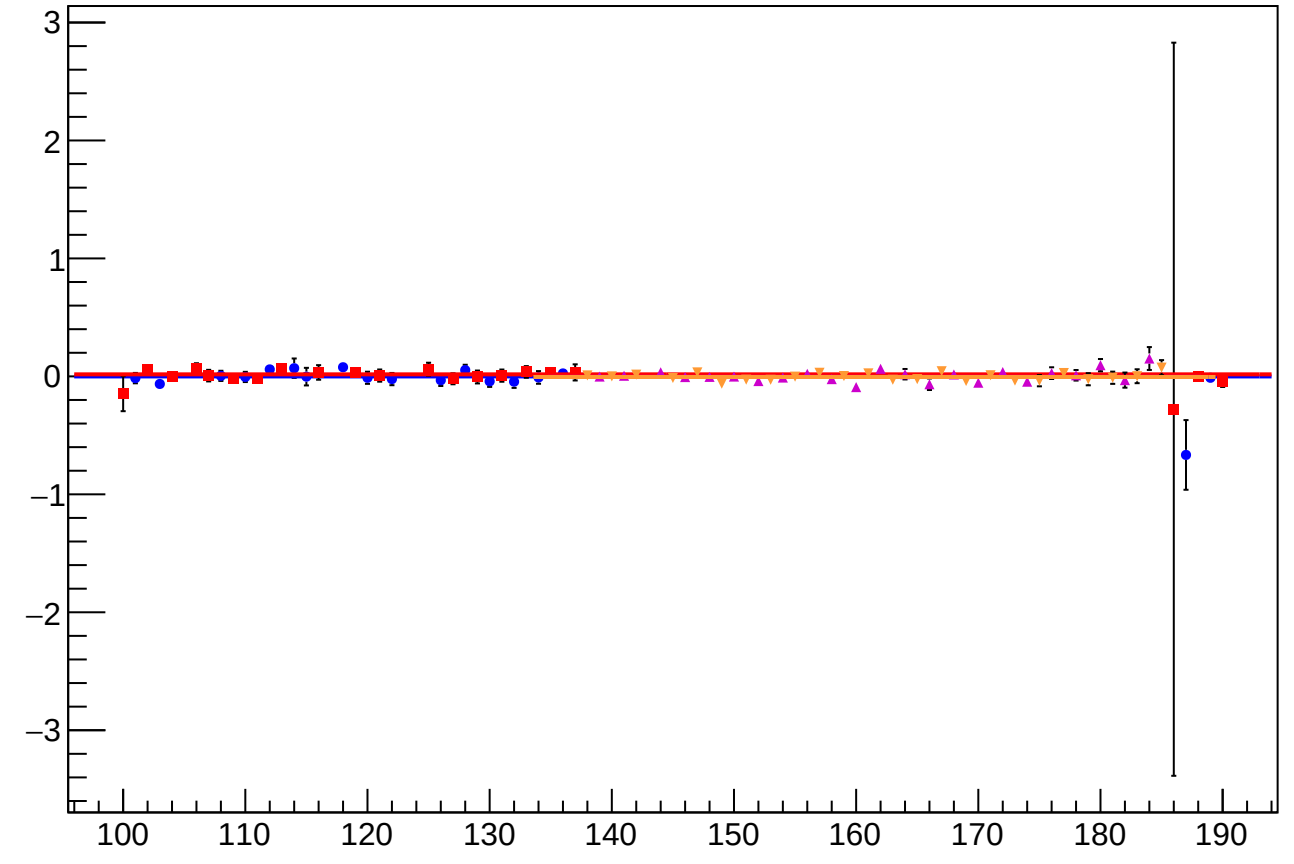
Right Out: 28.017+/-0.007 χ^2/NDF: 981559.6/20

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

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

All: 28.813+/-0.003 χ^2/NDF: 3525048.0/85

- sign 28.836+/-0.004 χ^2/NDF: 2142011.8/43



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: 0.017+/-0.010 χ^2/NDF: 11.0/20

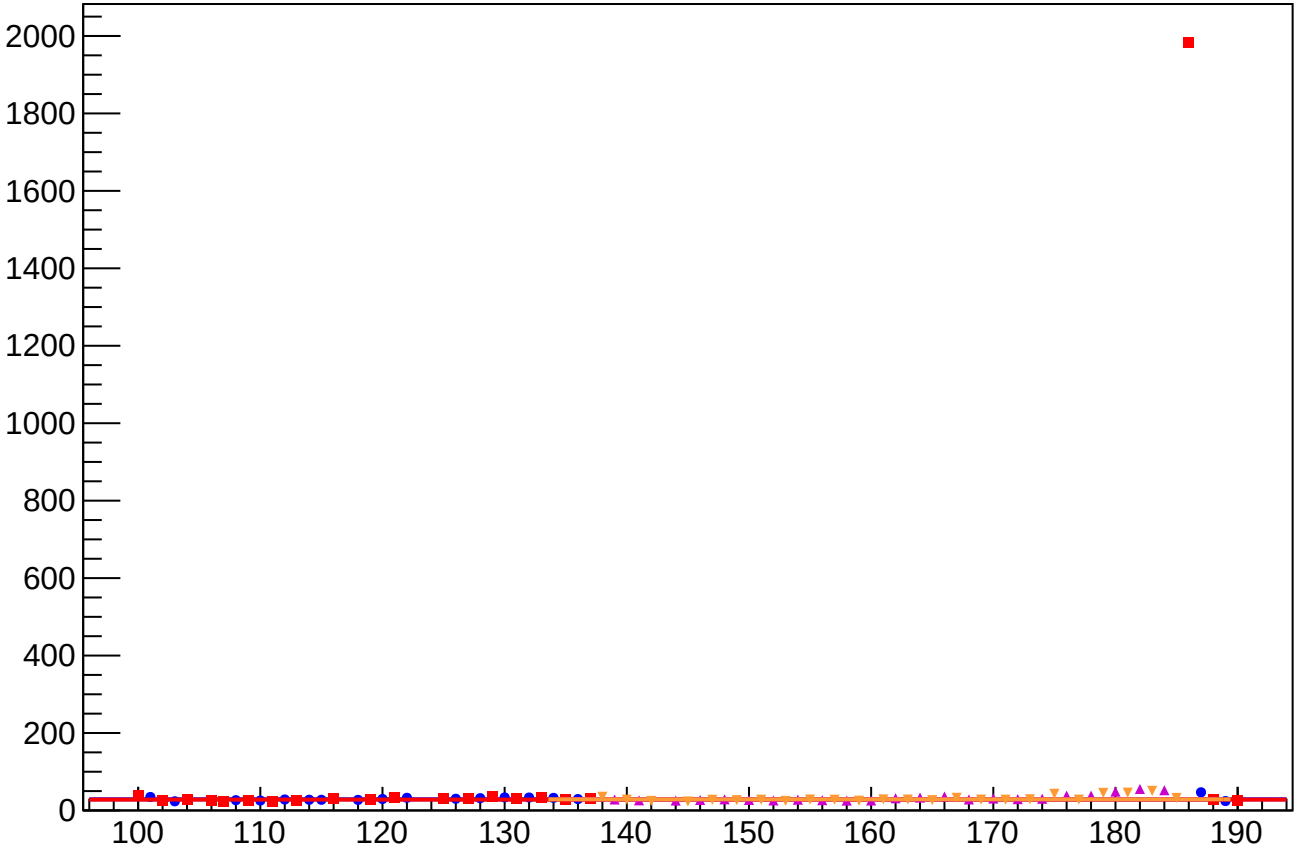
Left In: -0.004+/-0.007 χ^2/NDF:31.2/22

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

All: -0.000+/-0.004 χ^2/NDF: 83.2/85

- sign 0.003+/-0.006 χ^2/NDF: 45.2/43

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: 28.017+/-0.007 χ^2/NDF: 981559.6/20

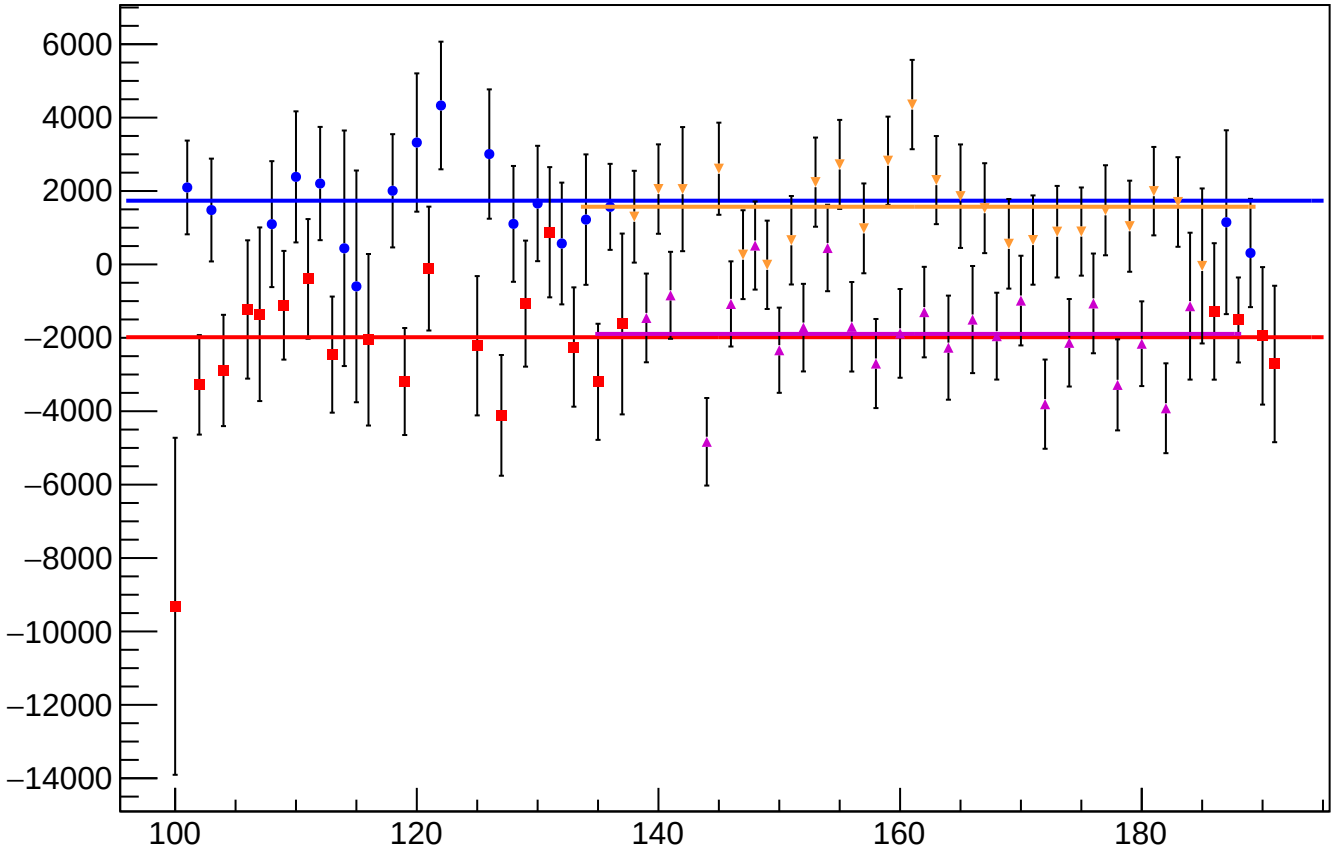
Left In: 29.255+/-0.005 χ^2/NDF:1140337.0/22

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

All: 28.813+/-0.003 χ^2/NDF: 3525048.0/85

- sign 28.836+/-0.004 χ^2/NDF: 2142011.8/43

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: -1983.308+/-364.885 χ^2/NDF: 13.0/21

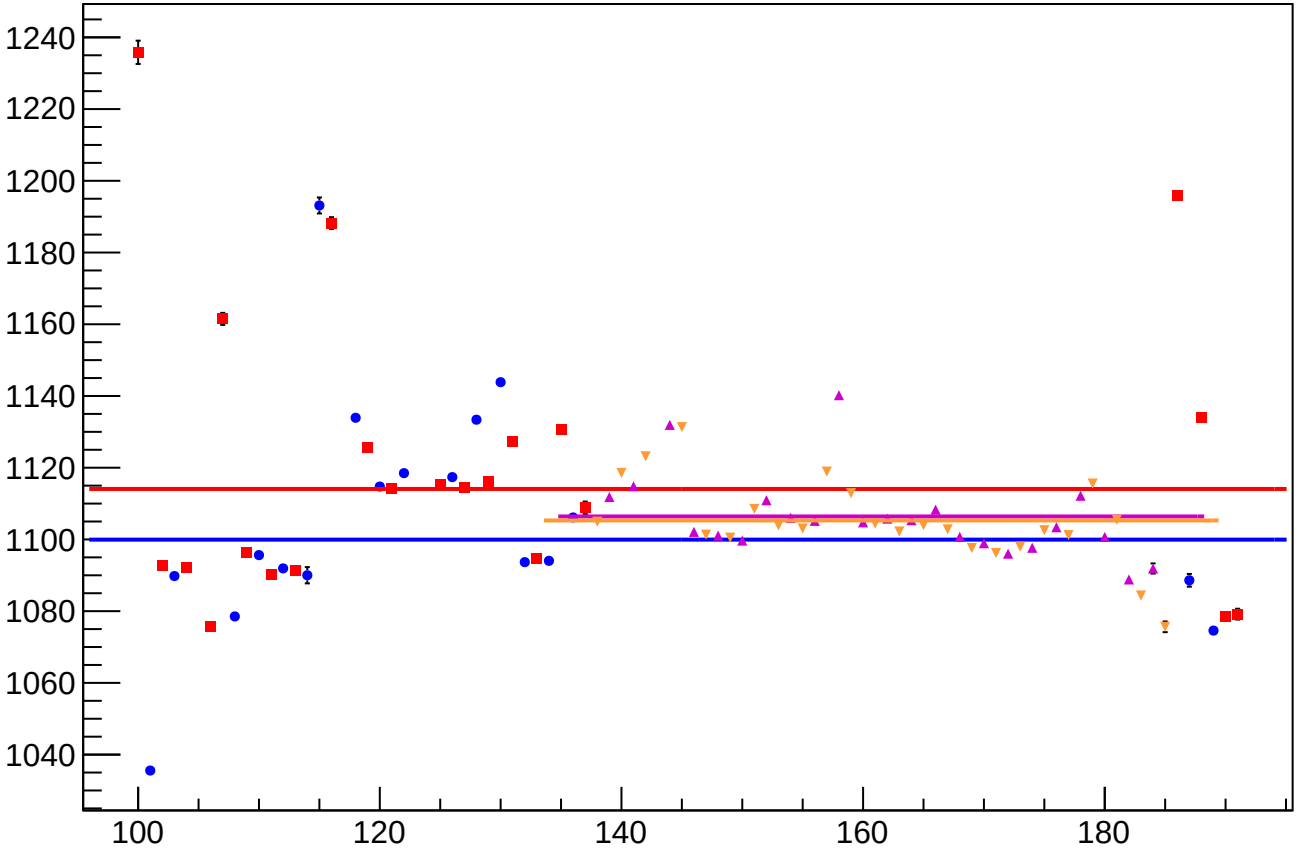
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

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

All: -179.966+/-150.293 χ^2/NDF: 198.0/86

- sign -1923.384+/-210.844 χ^2/NDF: 37.1/44

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

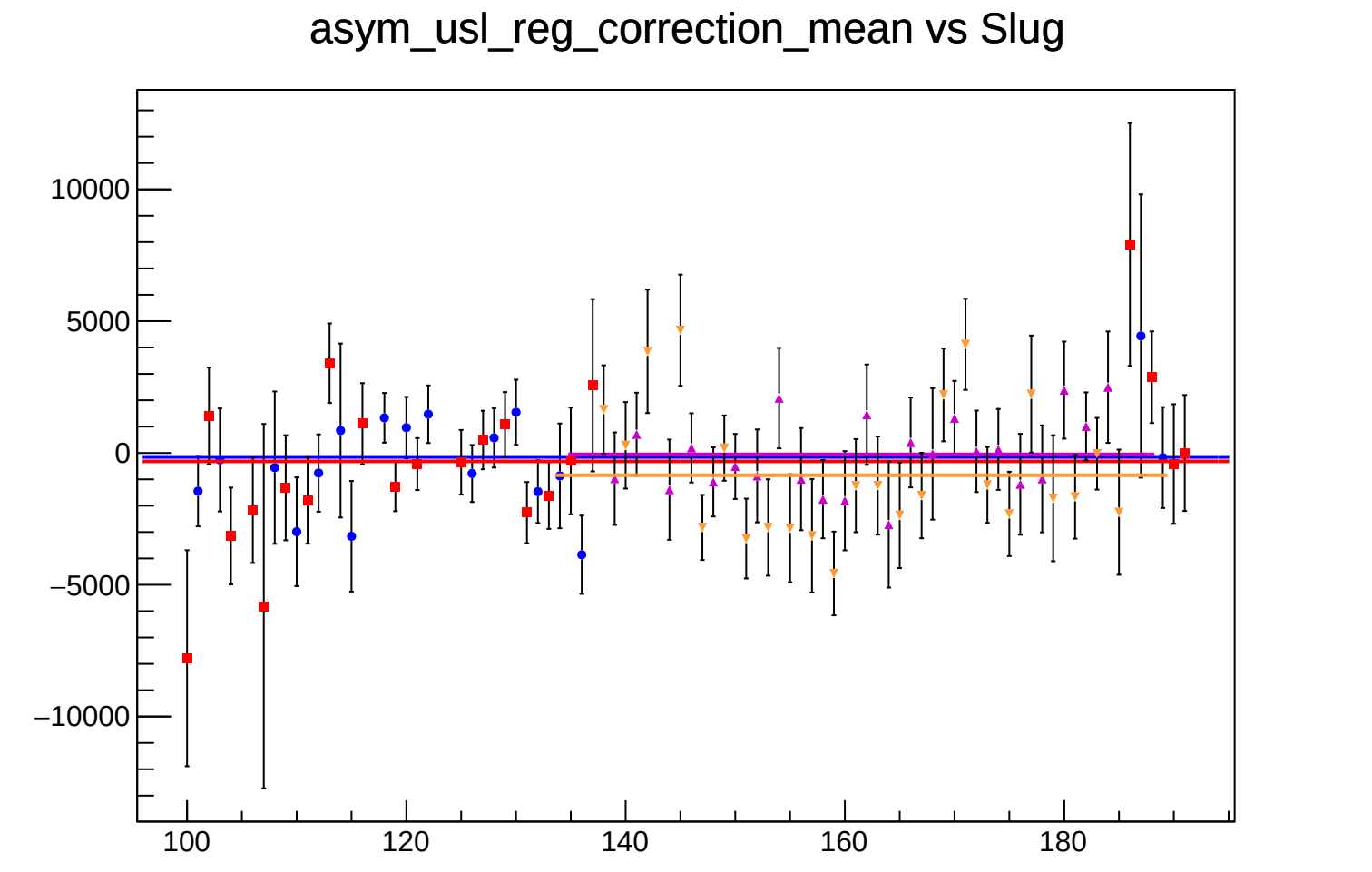
Right Out: 1114.072+/-0.258 χ^2/NDF: 13580.4/21

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

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

All: 1106.364+/-0.106 χ^2/NDF: 34030.2/86

- sign 1108.965+/-0.149 χ^2/NDF: 17945.0/44



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: -317.715+/-330.084 χ^2/NDF: 30.1/21

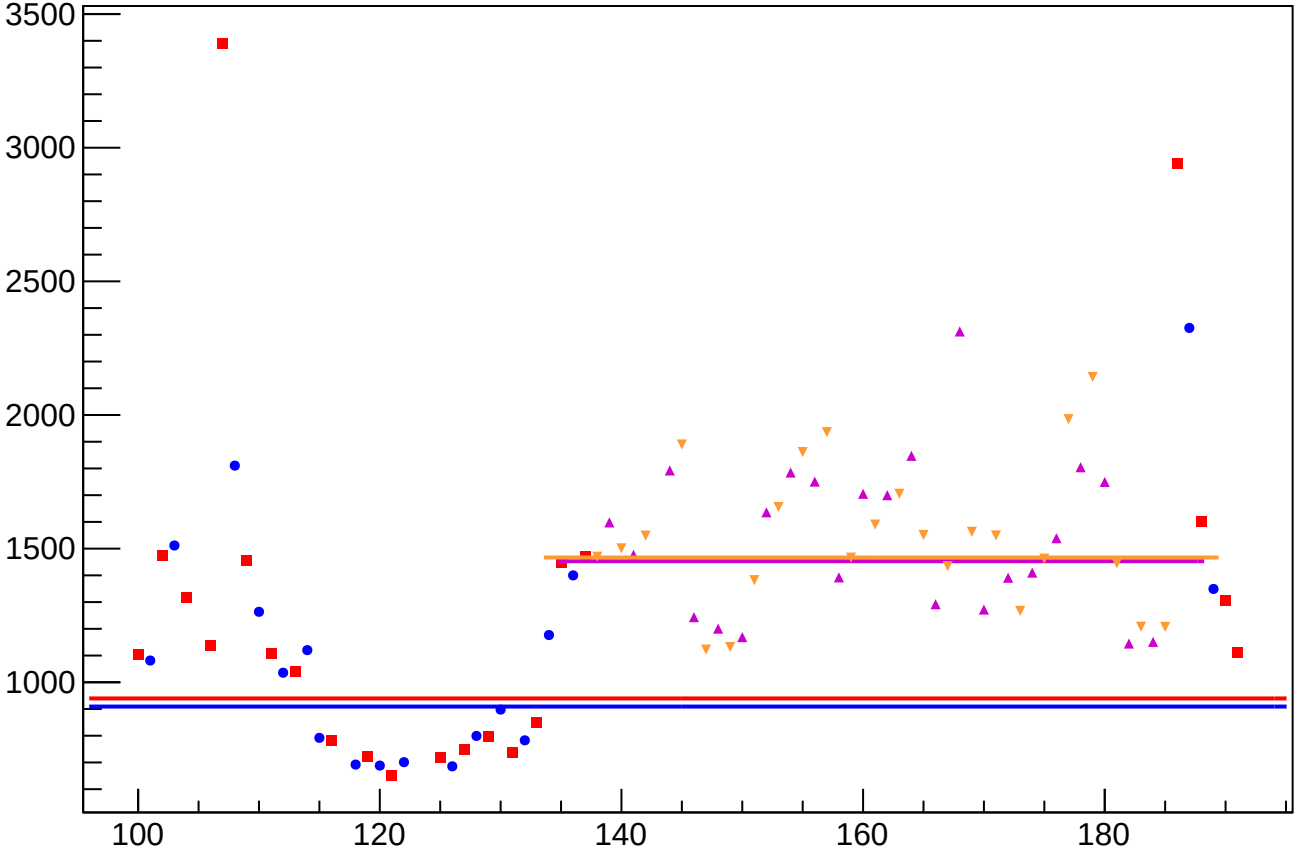
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

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

All: -338.224+/-170.229 χ^2/NDF: 112.2/86

- sign -192.213+/-238.821 χ^2/NDF: 43.5/44

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: 939.518+/-0.233 χ^2/NDF: 2119330.9/21

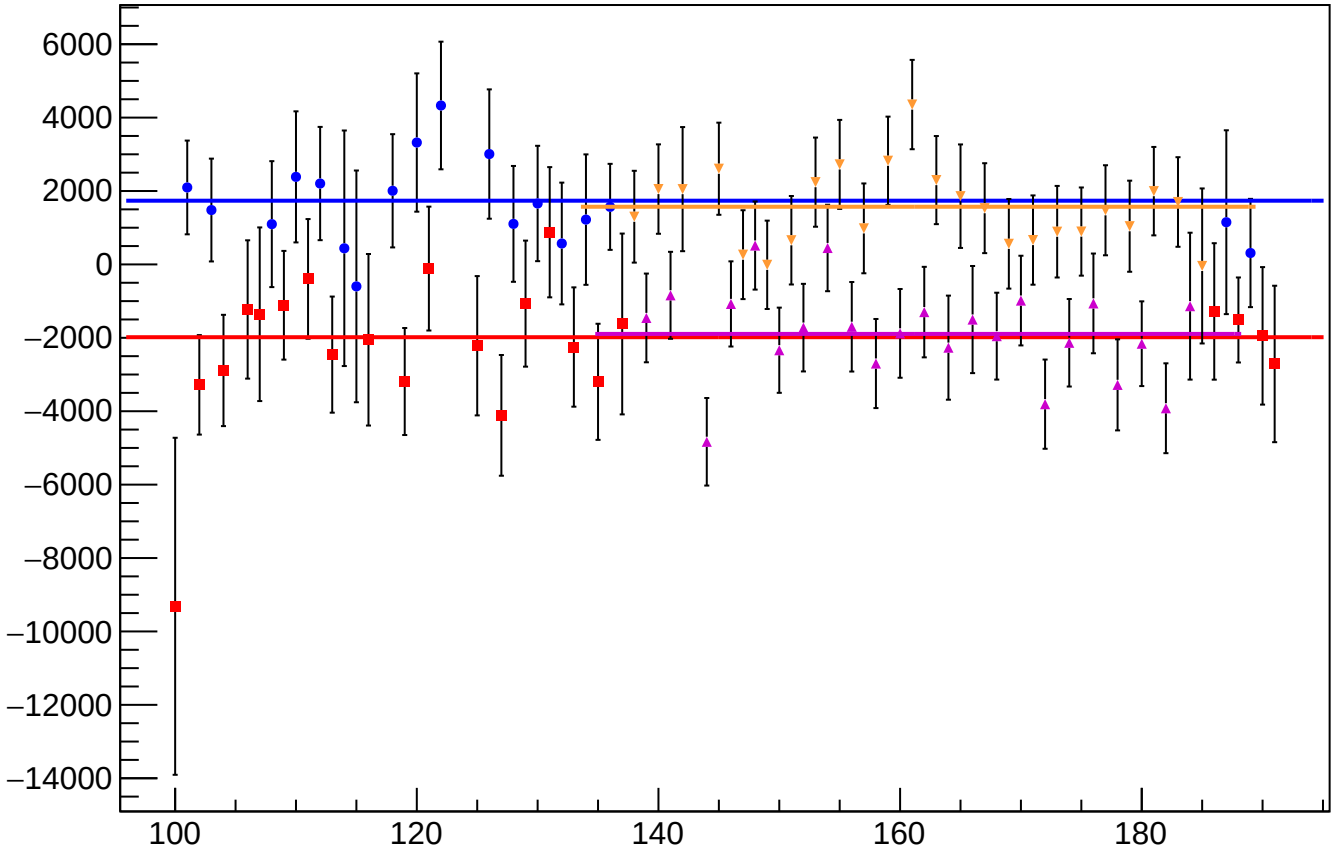
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

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

All: 1182.839+/-0.120 χ^2/NDF: 10621403.1/8

- sign 1184.198+/-0.169 χ^2/NDF: 5555051.5/44

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: -1983.293+/-364.885 χ^2/NDF: 13.0/21

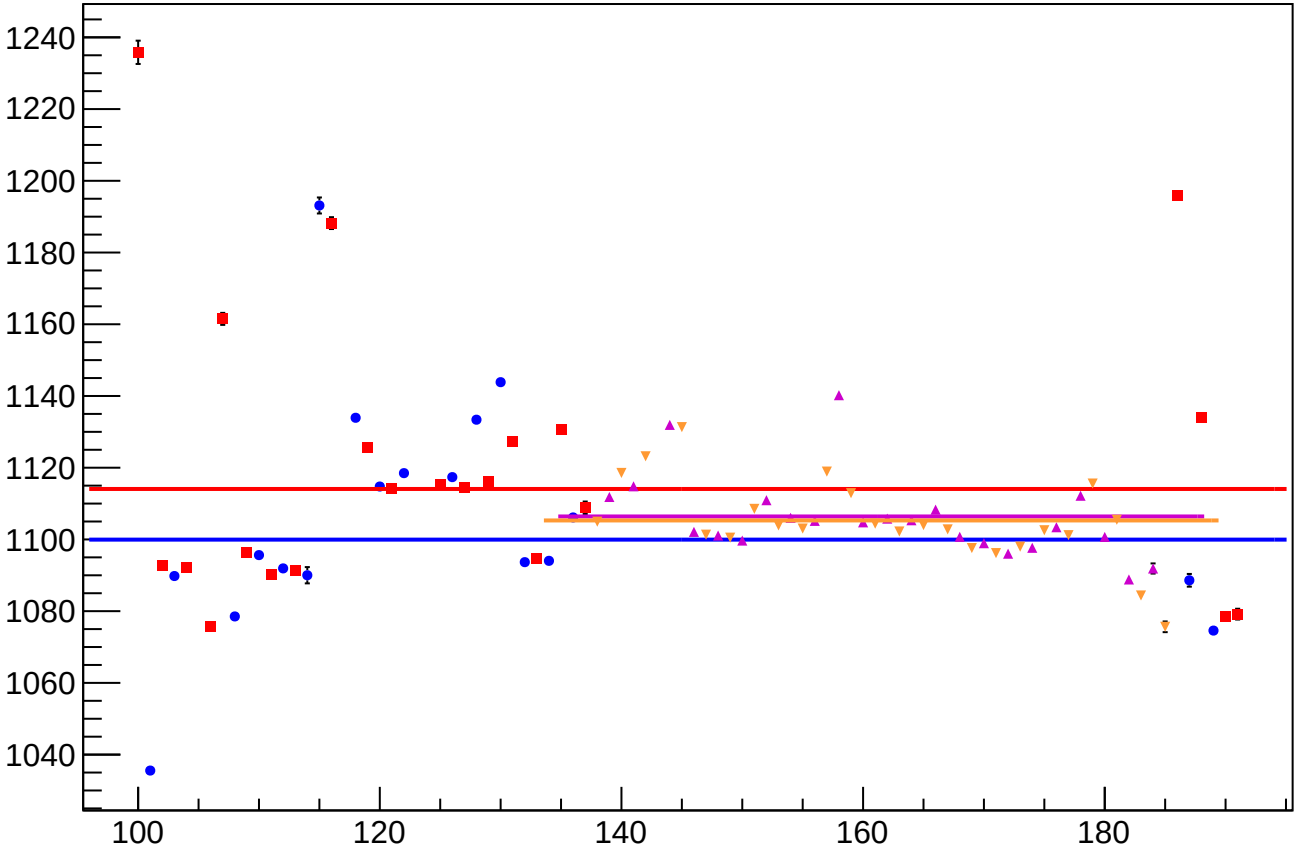
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

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

All: -179.963+/-150.293 χ^2/NDF: 198.0/86

- sign -1923.379+/-210.844 χ^2/NDF: 37.1/44

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

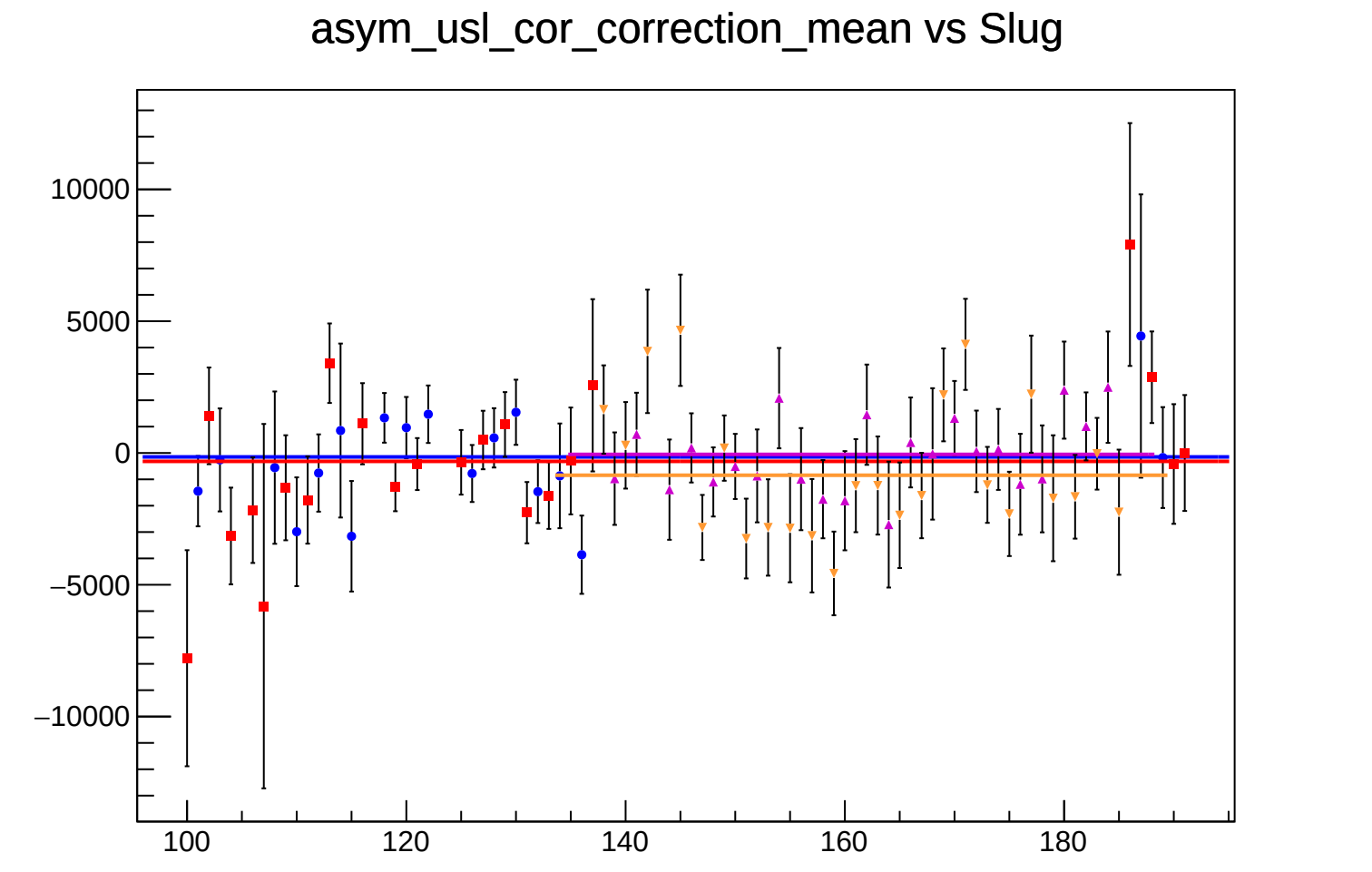
Right Out: 1114.072+/-0.258 χ^2/NDF: 13580.4/21

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

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

All: 1106.364+/-0.106 χ^2/NDF: 34030.2/86

- sign 1108.965+/-0.149 χ^2/NDF: 17945.0/44



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: -317.715+/-330.084 χ^2/NDF: 30.1/21

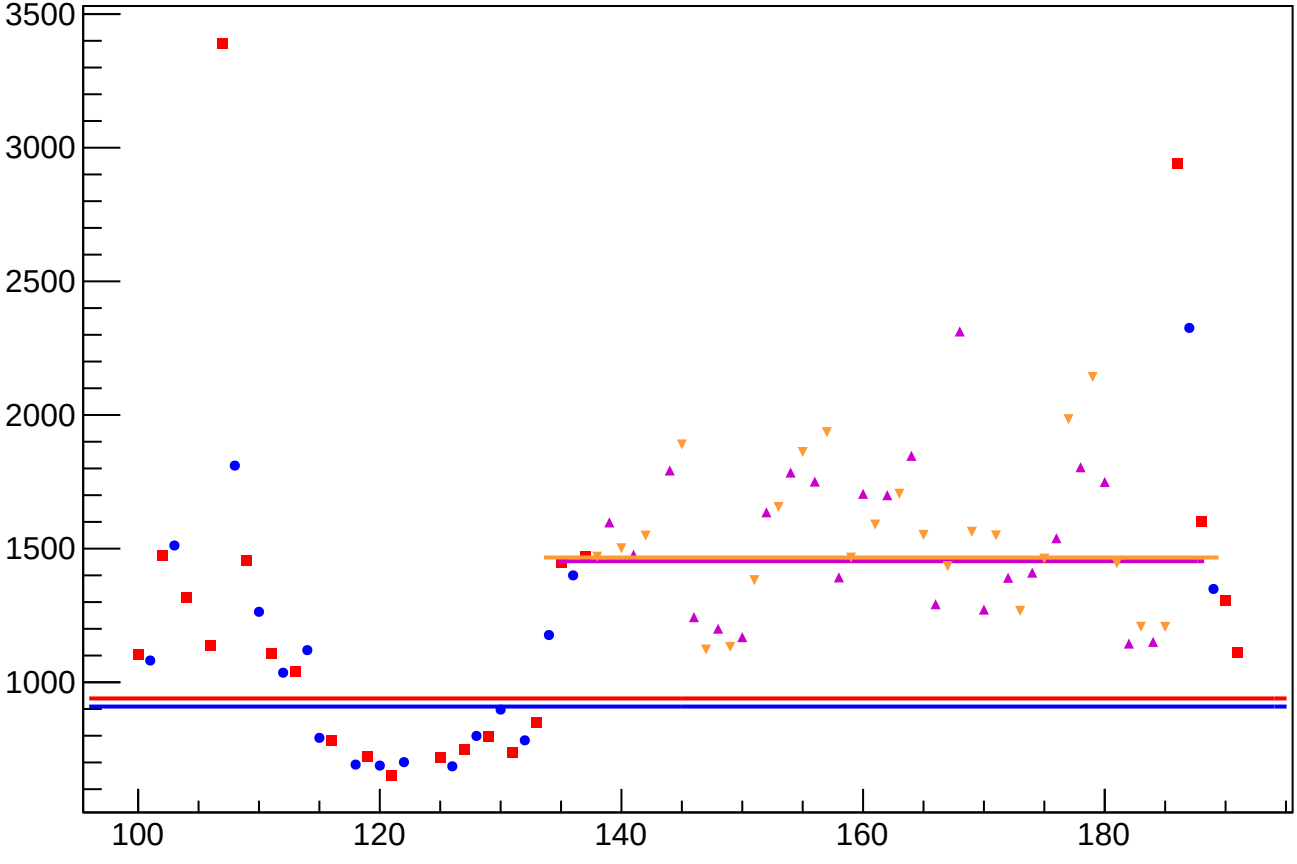
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

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

All: -338.224+/-170.229 χ^2/NDF: 112.2/86

- sign -192.213+/-238.821 χ^2/NDF: 43.5/44

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: 939.518+/-0.233 χ^2/NDF: 2119329.4/21

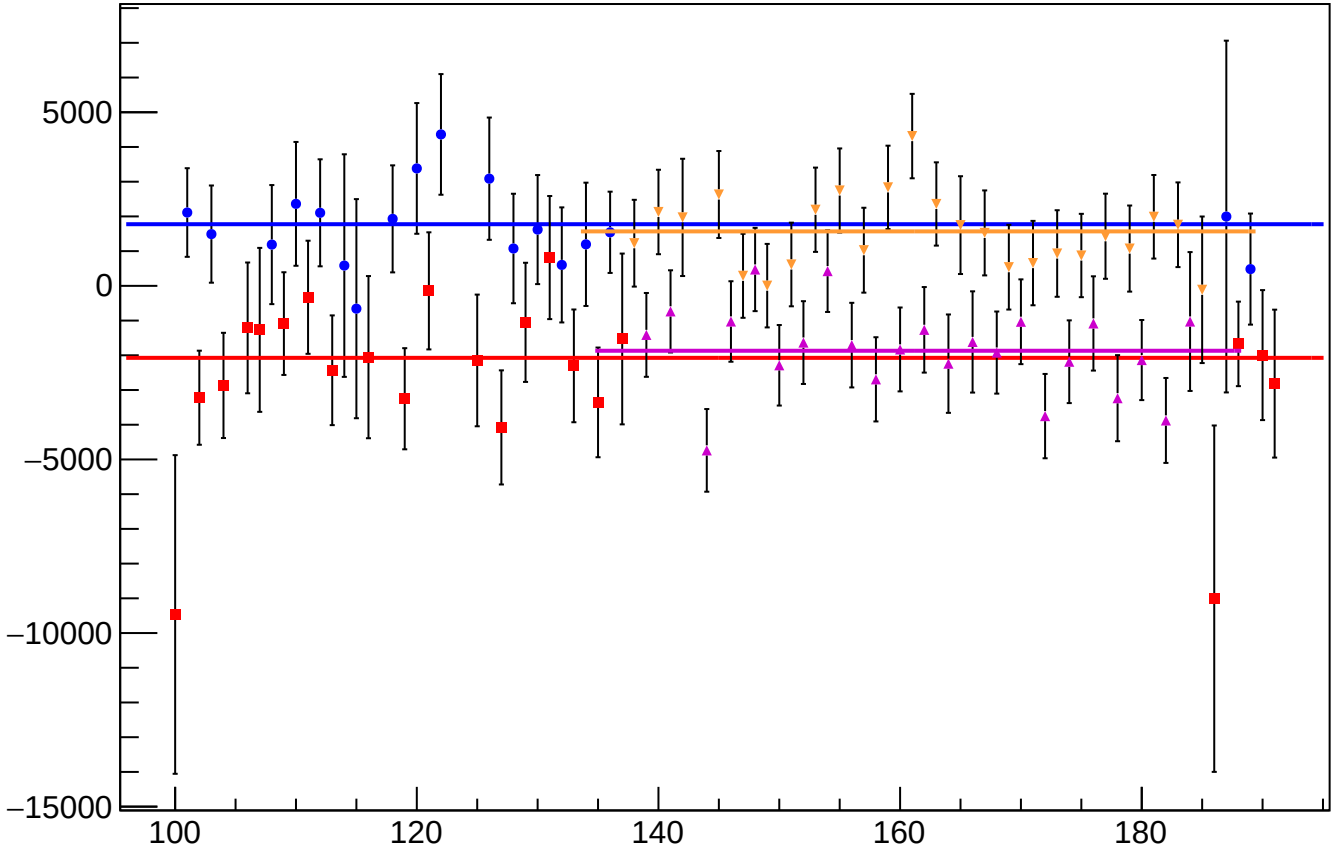
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

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

All: 1182.839+/-0.120 χ^2/NDF: 10621403.9/8

- sign 1184.198+/-0.169 χ^2/NDF: 5555052.3/44

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: -2073.531+/-372.635 χ^2/NDF: 14.9/21

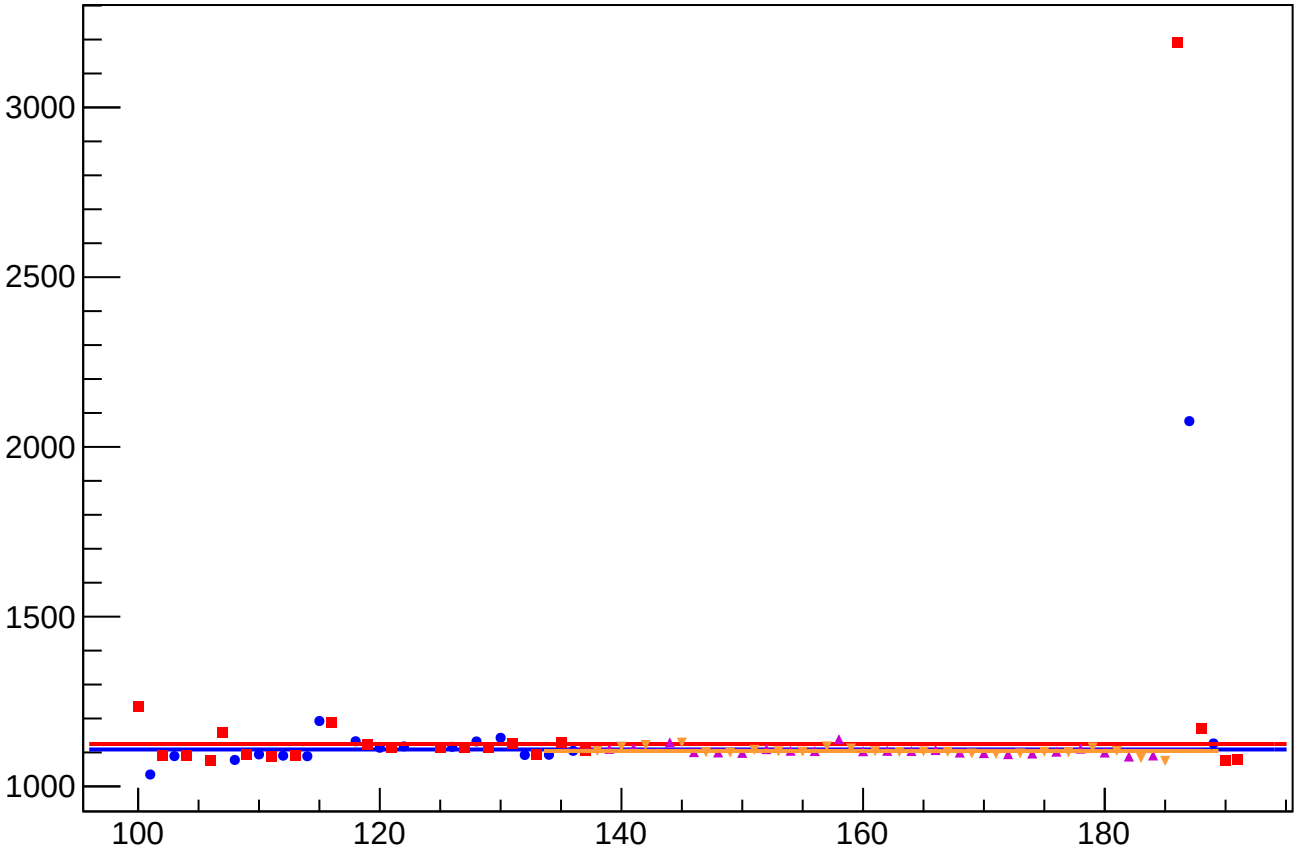
Left In: -1869.342+/-258.099 χ^2/NDF:23.4/22

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

All: -176.629+/-151.031 χ^2/NDF: 199.6/86

- sign -1935.541+/-212.175 χ^2/NDF: 38.5/44

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

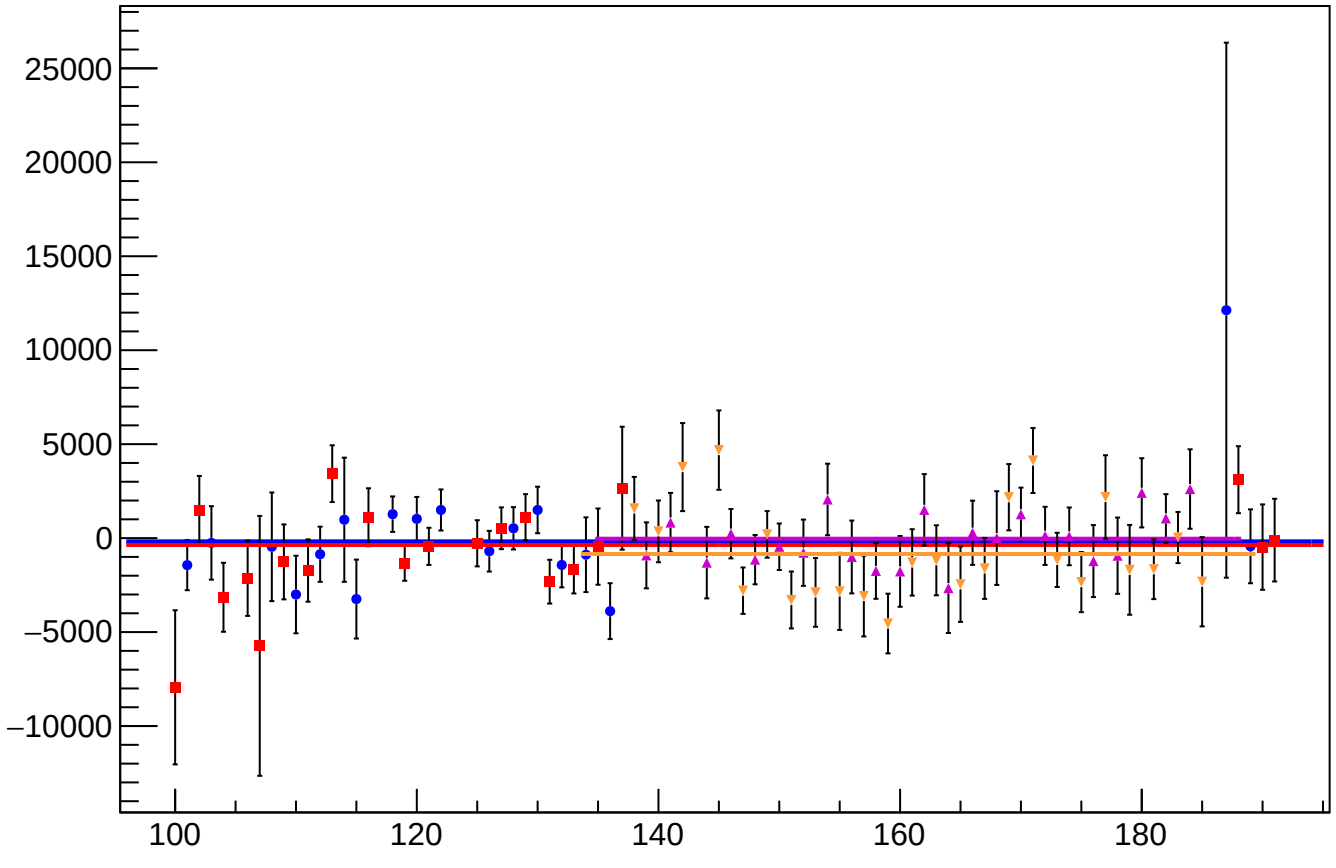
Right Out: 1124.853+/-0.263 χ^2/NDF: 358456.7/21

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

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

All: 1108.678+/-0.107 χ^2/NDF: 454930.9/86

\- sign 1111.694+/-0.150 χ^2/NDF: 365808.5/44



Right In: -171.838+/-340.649 χ^2/NDF: 21.7/17

Left Out: -843.280+/-347.538 χ^2/NDF:44.0/23

Right Out: -363.718+/-331.690 χ^2/NDF: 27.9/20

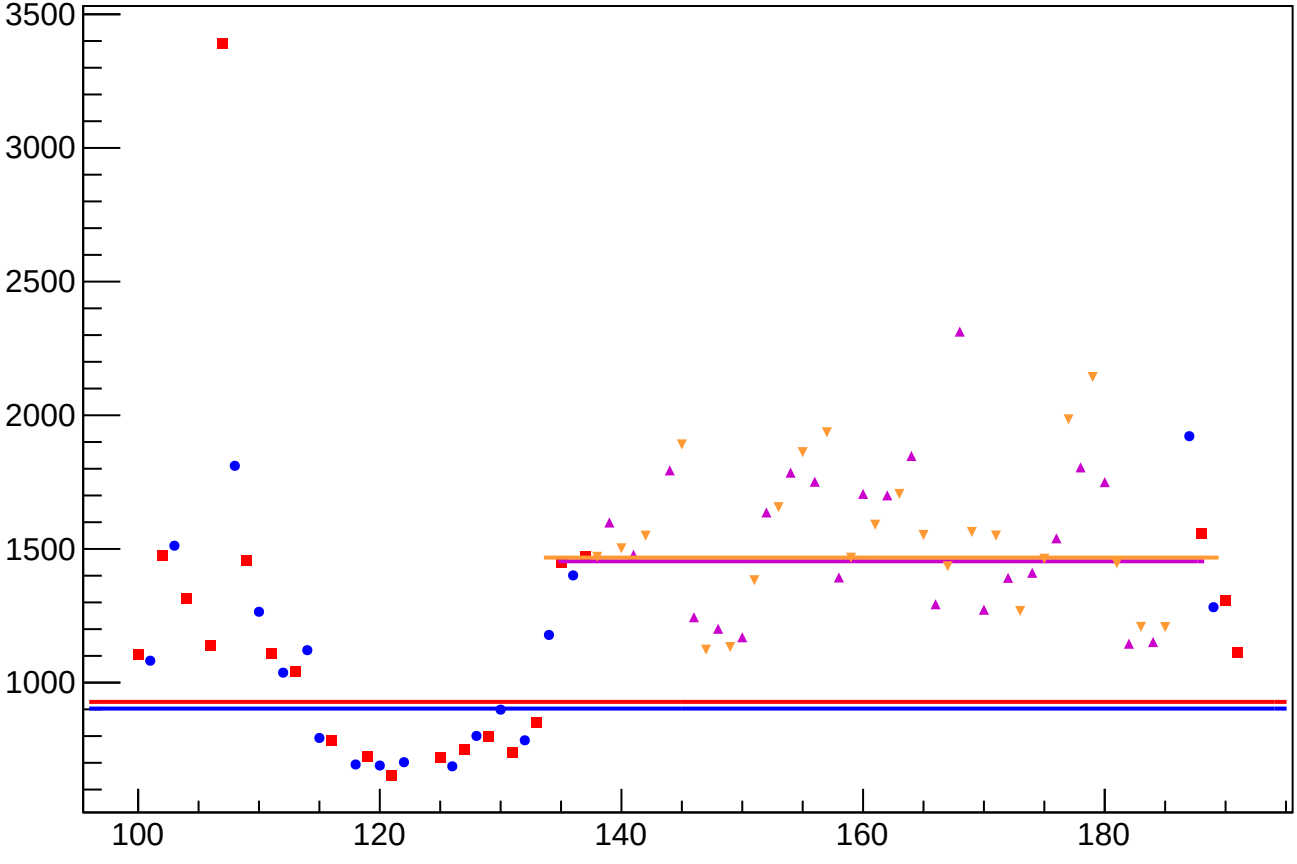
Left In: -31.387+/-346.155 χ^2/NDF:13.1/22

+ sign -500.839+/-243.274 χ^2/NDF: 67.6/41

All: -350.419+/-170.668 χ^2/NDF: 109.8/85

- sign -204.641+/-239.491 χ^2/NDF: 41.4/43

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: 927.931+/-0.235 χ^2/NDF: 1683881.6/20

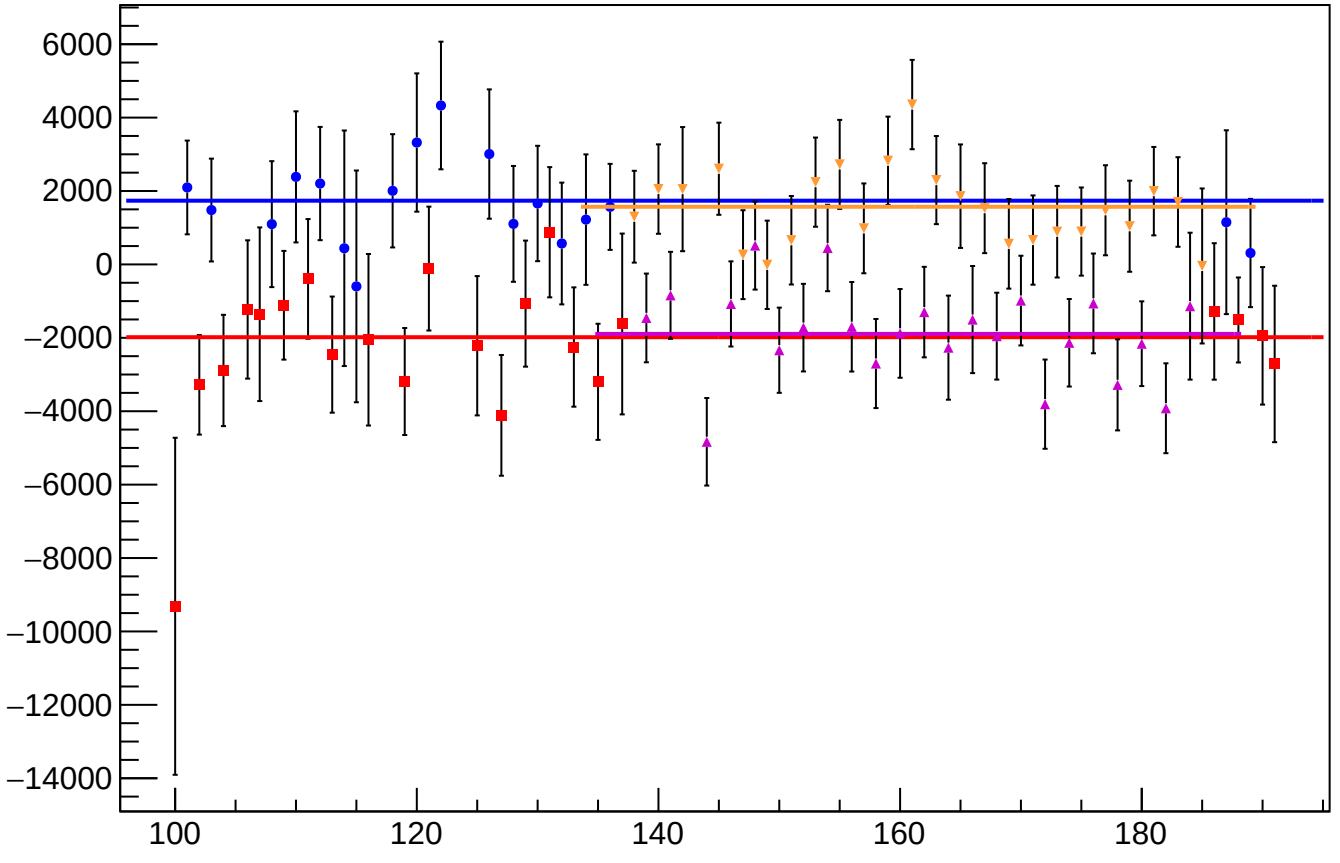
Left In: 1453.834+/-0.245 χ^2/NDF:1127997.5/22

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

All: 1179.640+/-0.121 χ^2/NDF: 10170880.9/8

- sign 1179.665+/-0.169 χ^2/NDF: 5218524.5/43

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: -1983.293+/-364.885 χ^2/NDF: 13.0/21

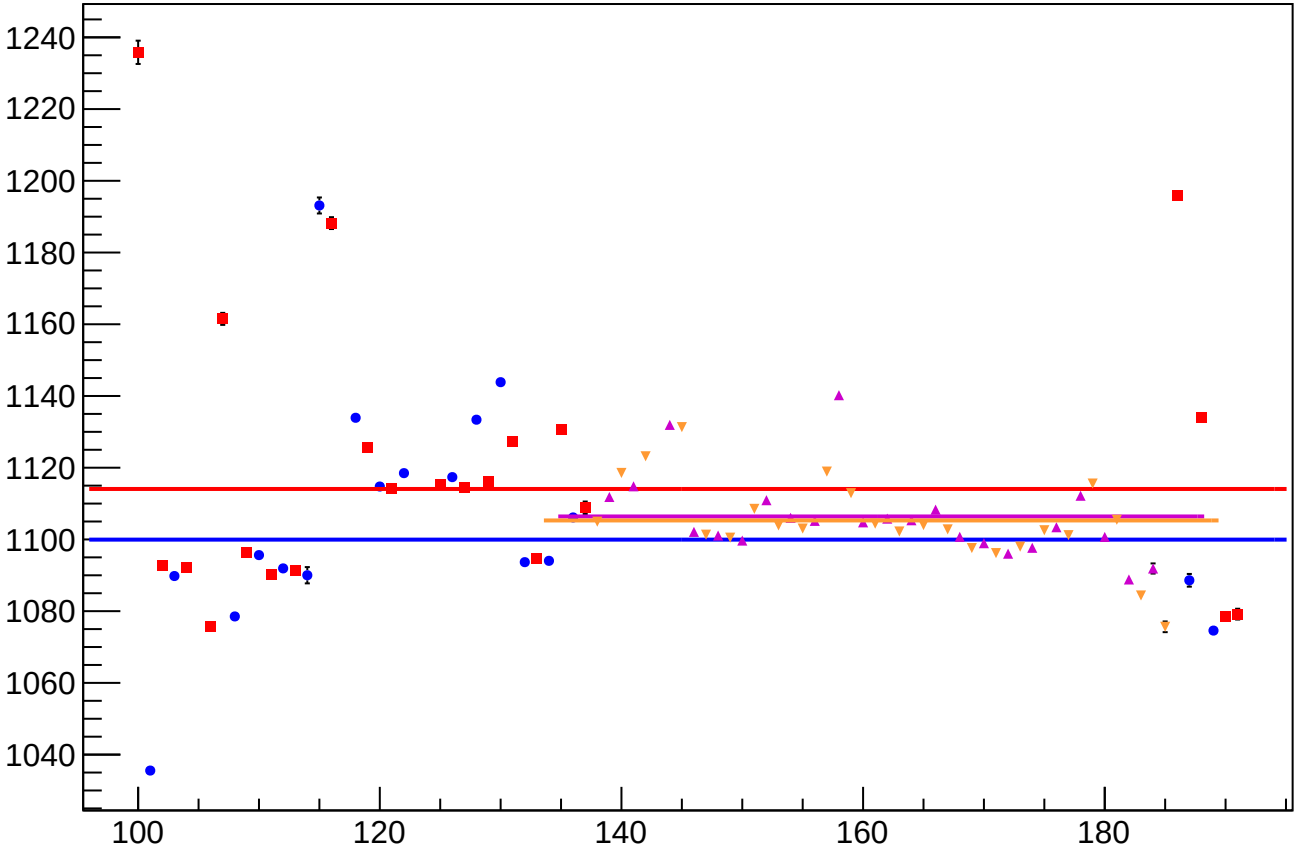
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

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

All: -179.963+/-150.293 χ^2/NDF: 198.0/86

- sign -1923.379+/-210.844 χ^2/NDF: 37.1/44

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

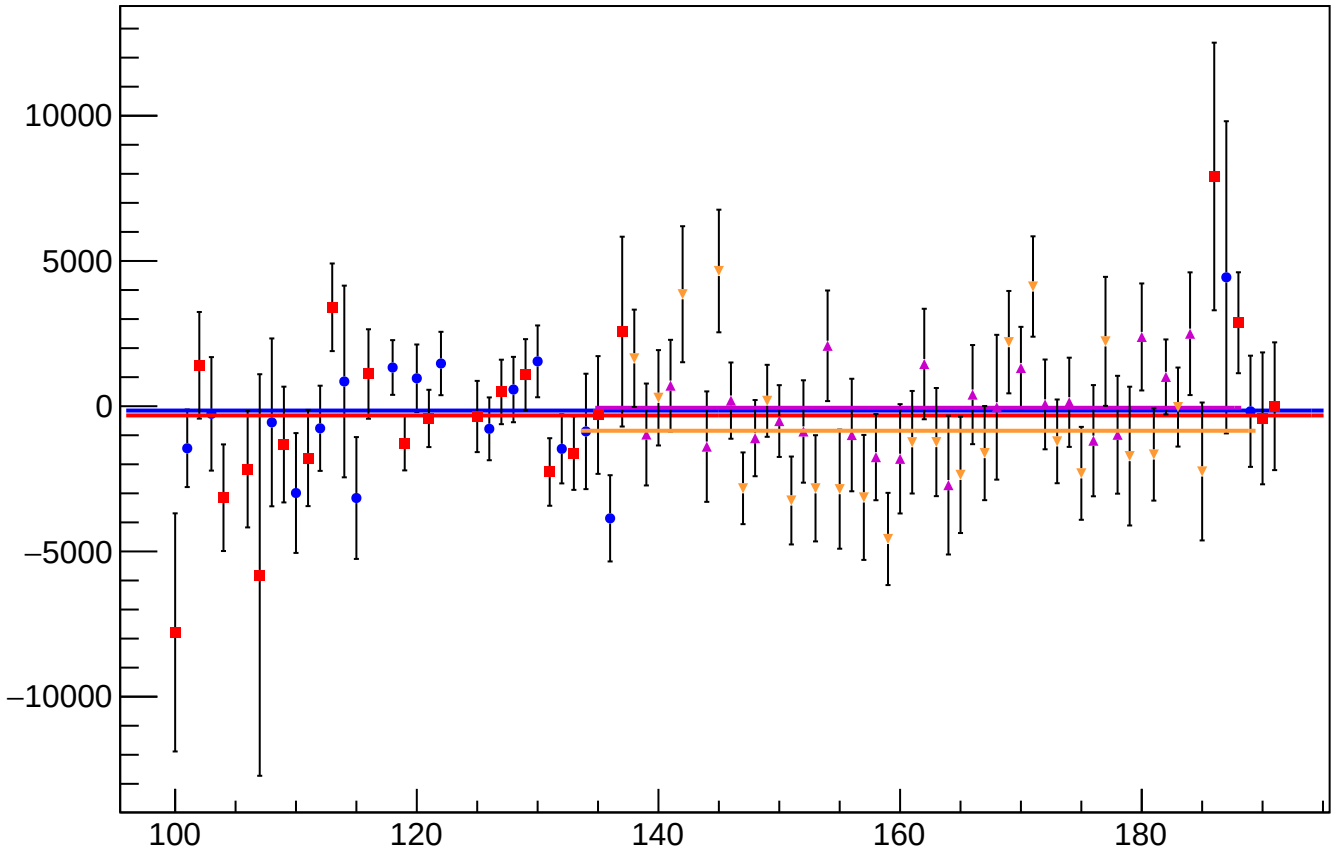
Right Out: 1114.072+/-0.258 χ^2/NDF: 13580.4/21

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

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

All: 1106.364+/-0.106 χ^2/NDF: 34030.2/86

- sign 1108.965+/-0.149 χ^2/NDF: 17945.0/44



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: -317.715+/-330.084 χ^2/NDF: 30.1/21

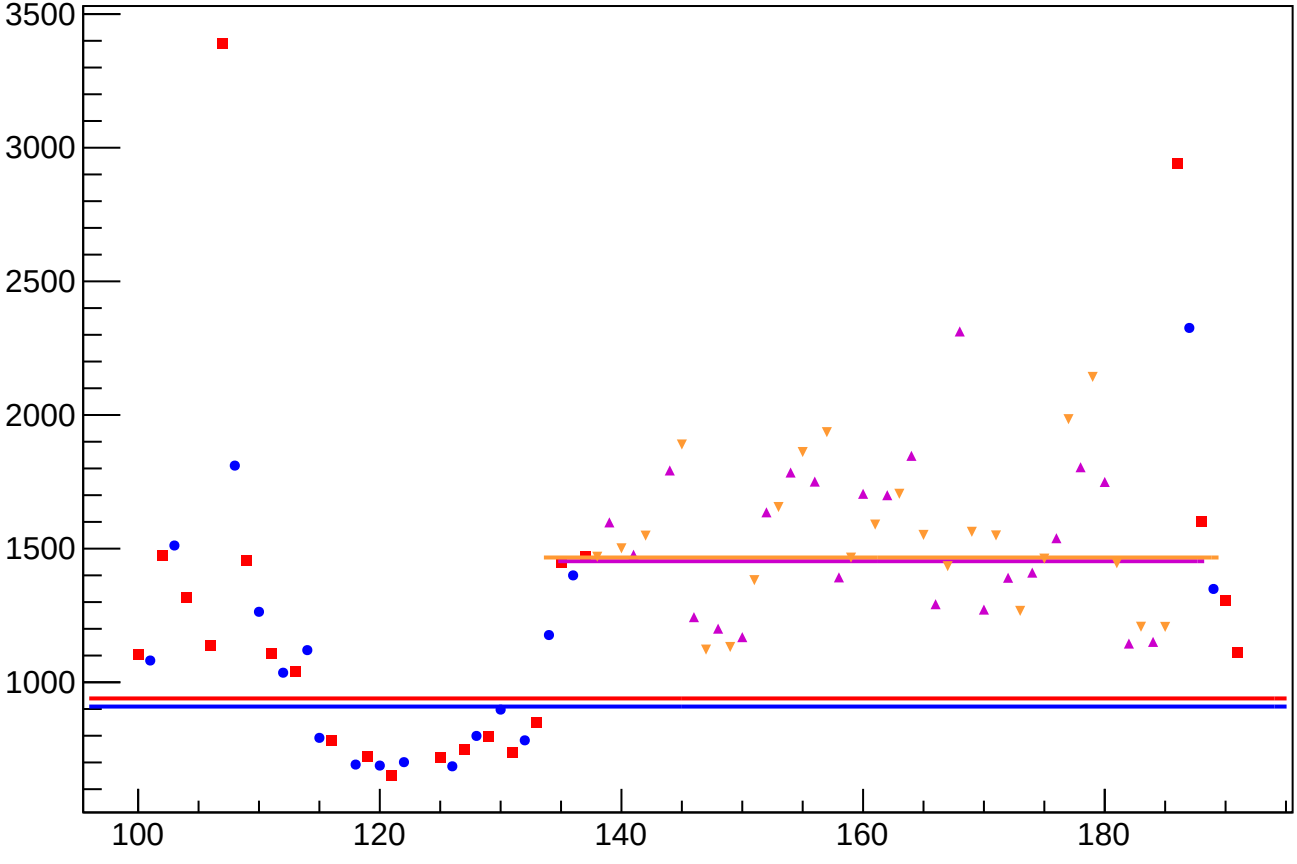
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

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

All: -338.224+/-170.229 χ^2/NDF: 112.2/86

- sign -192.213+/-238.821 χ^2/NDF: 43.5/44

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: 939.518+/-0.233 χ^2/NDF: 2119329.4/21

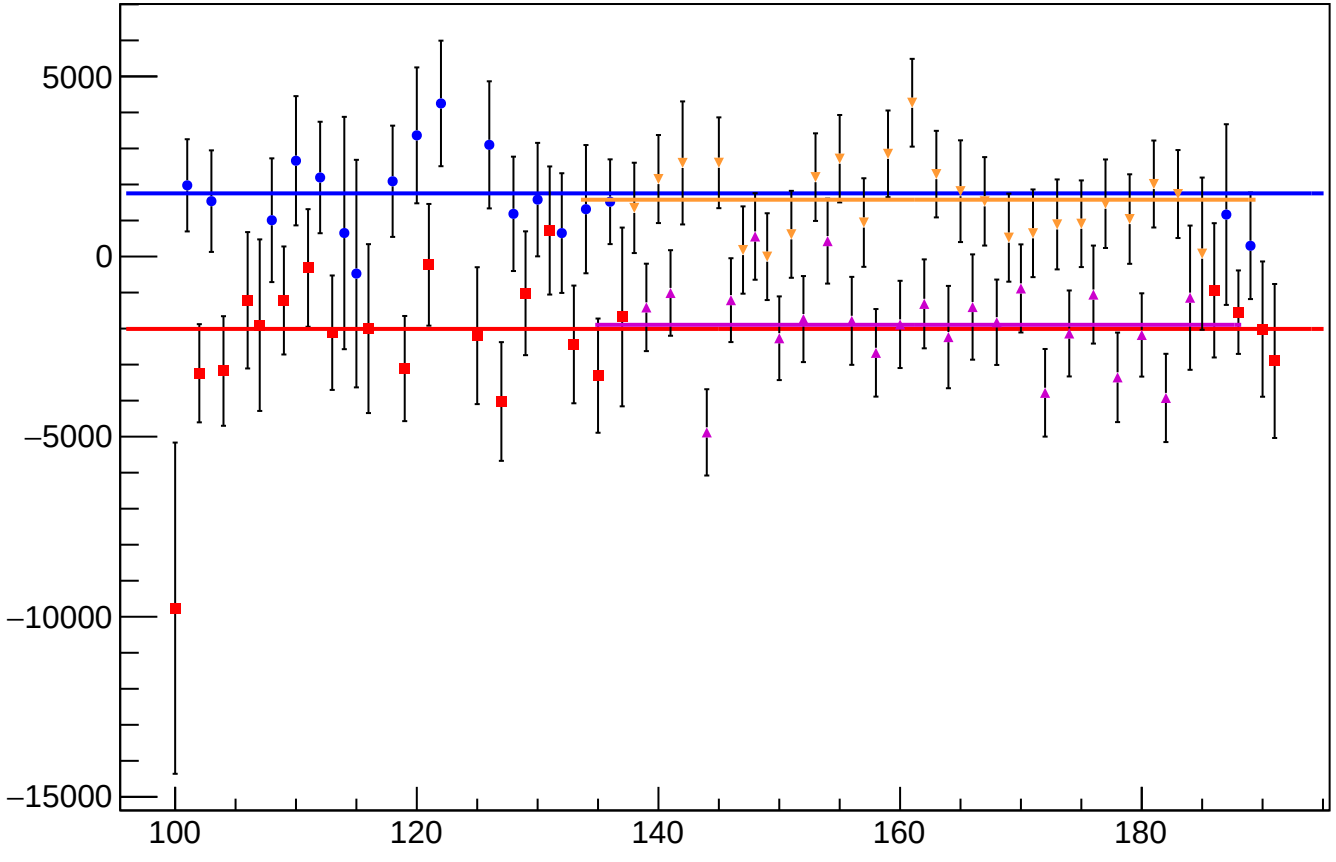
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

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

All: 1182.839+/-0.120 χ^2/NDF: 10621403.9/8

- sign 1184.198+/-0.169 χ^2/NDF: 5555052.3/44

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: -2009.521+/-366.094 χ^2/NDF: 13.1/21

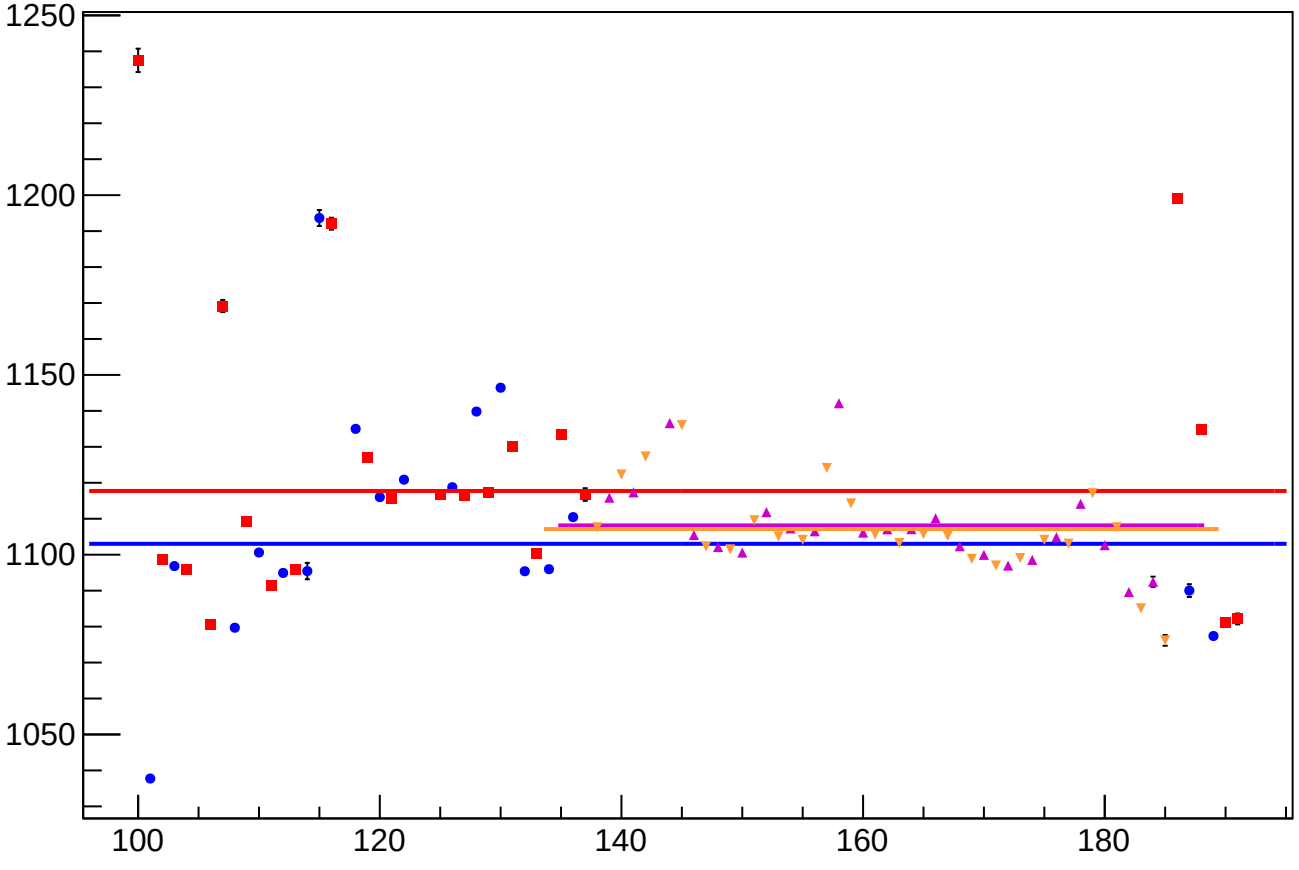
Left In: -1895.548+/-258.750 χ^2/NDF:24.1/22

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

All: -180.297+/-150.615 χ^2/NDF: 199.2/86

- sign -1933.516+/-211.301 χ^2/NDF: 37.2/44

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: 1117.726+/-0.259 χ^2/NDF: 12993.0/21

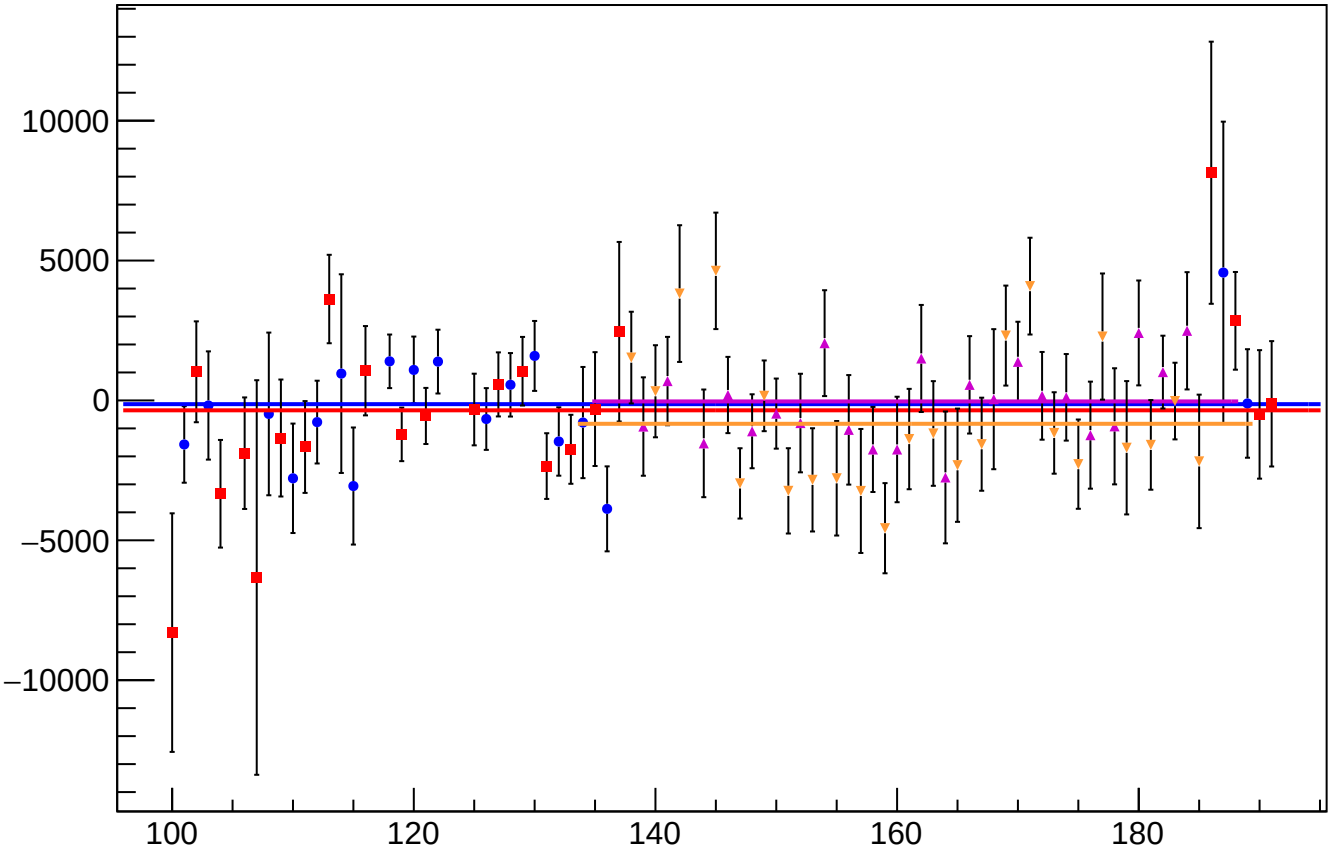
Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

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

All: 1108.657+/-0.107 χ^2/NDF: 34738.1/86

- sign 1111.337+/-0.149 χ^2/NDF: 18096.9/44

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: -353.581+/-335.080 χ^2/NDF: 30.1/21

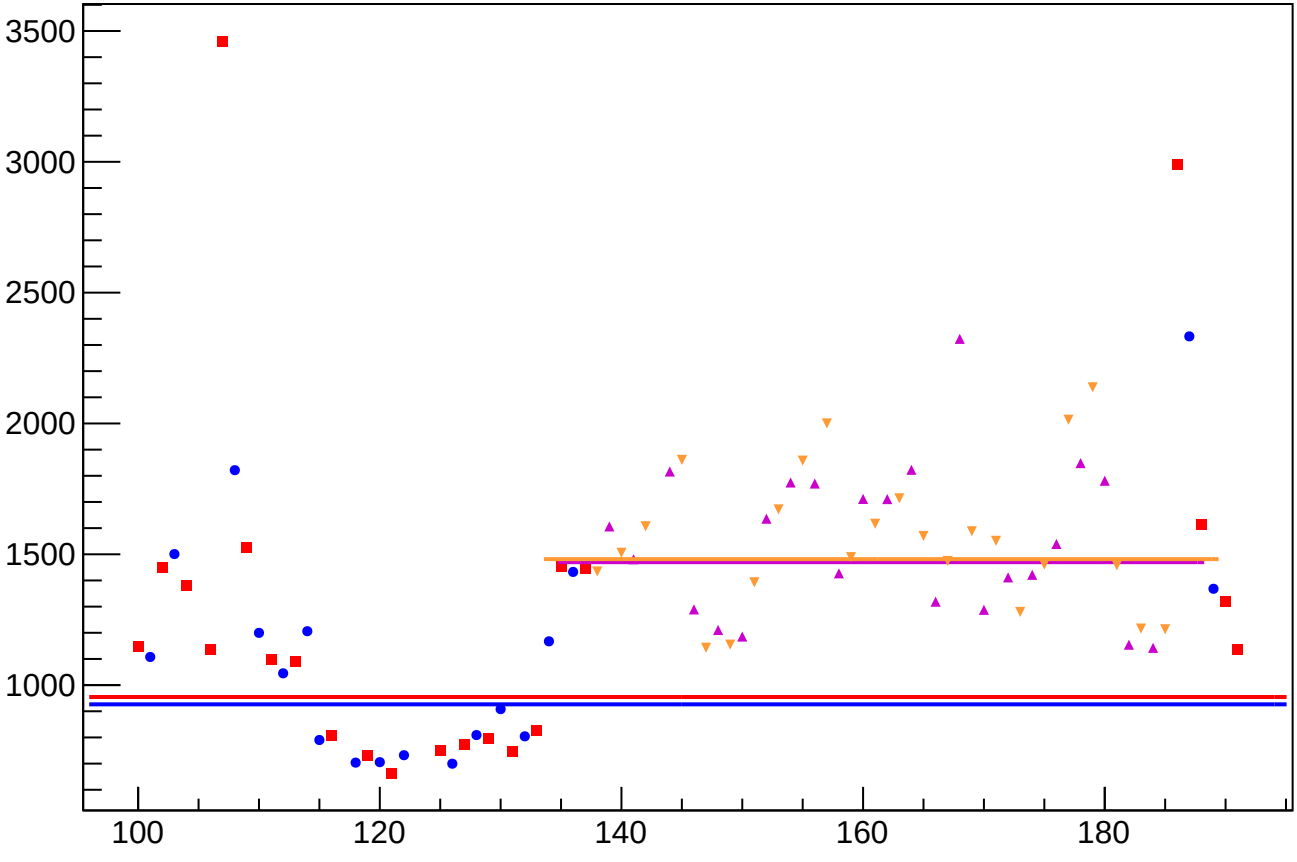
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

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

All: -337.679+/-172.456 χ^2/NDF: 111.2/86

- sign -201.307+/-241.920 χ^2/NDF: 43.7/44

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: 954.531+/-0.237 χ^2/NDF: 2106894.9/21

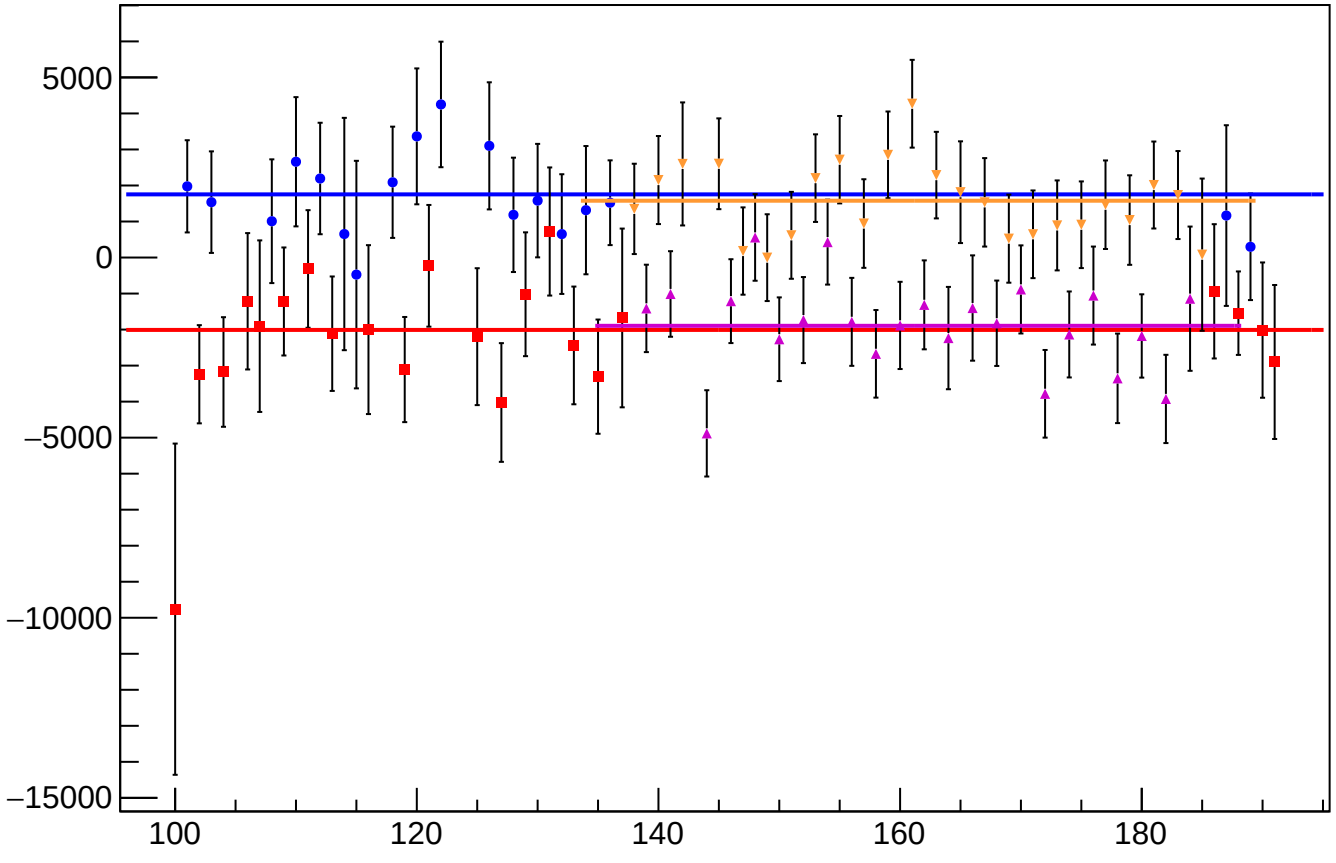
Left In: 1469.907+/-0.247 χ^2/NDF:1095056.5/22

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

All: 1200.411+/-0.122 χ^2/NDF: 10357155.7/8

- sign 1201.268+/-0.171 χ^2/NDF: 5467069.3/44

eigen_dit_asym_usl_mean vs Slug



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: -2009.518+/-366.094 χ^2/NDF: 13.1/21

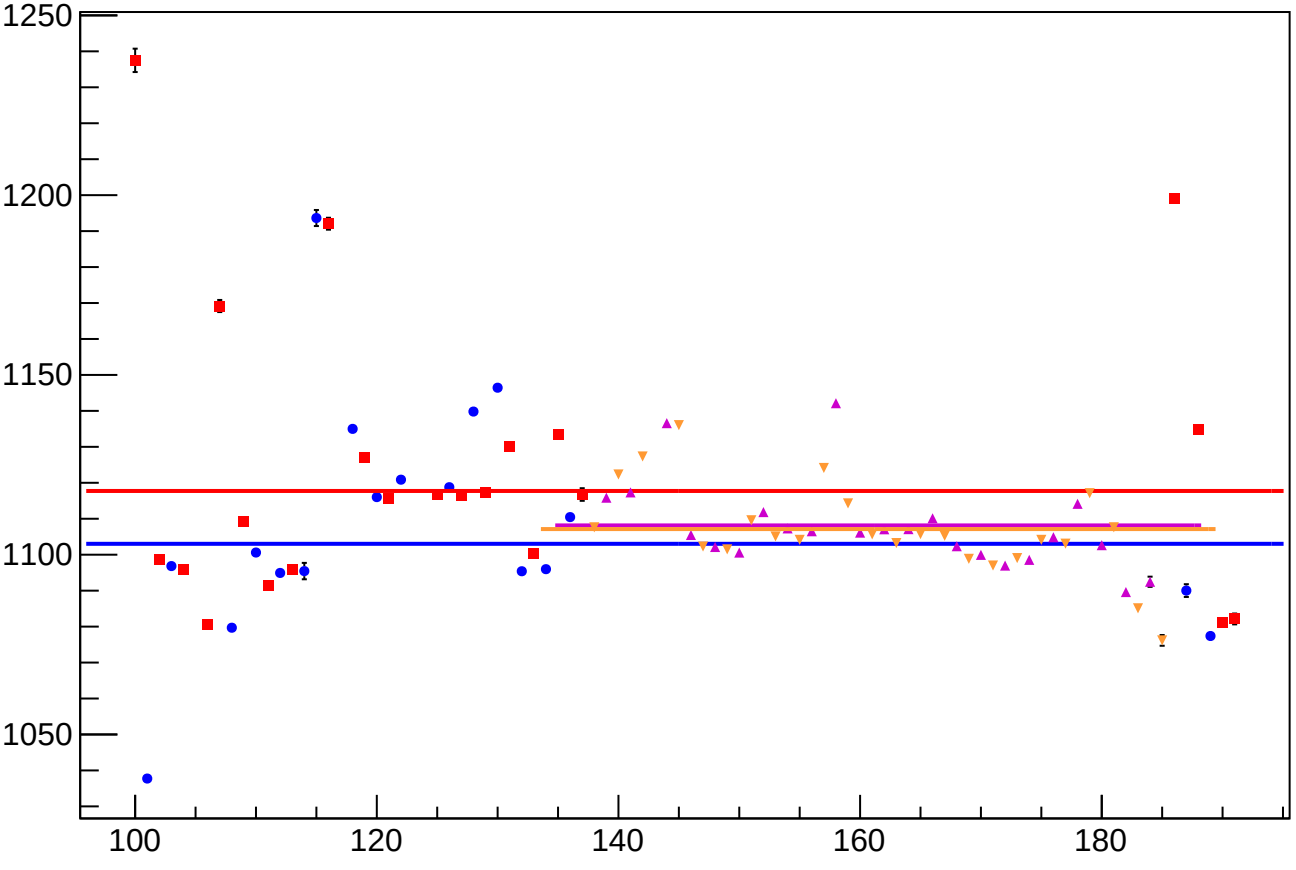
Left In: -1895.549+/-258.750 χ^2/NDF:24.1/22

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

All: -180.299+/-150.615 χ^2/NDF: 199.2/86

- sign -1933.516+/-211.301 χ^2/NDF: 37.2/44

eigen_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

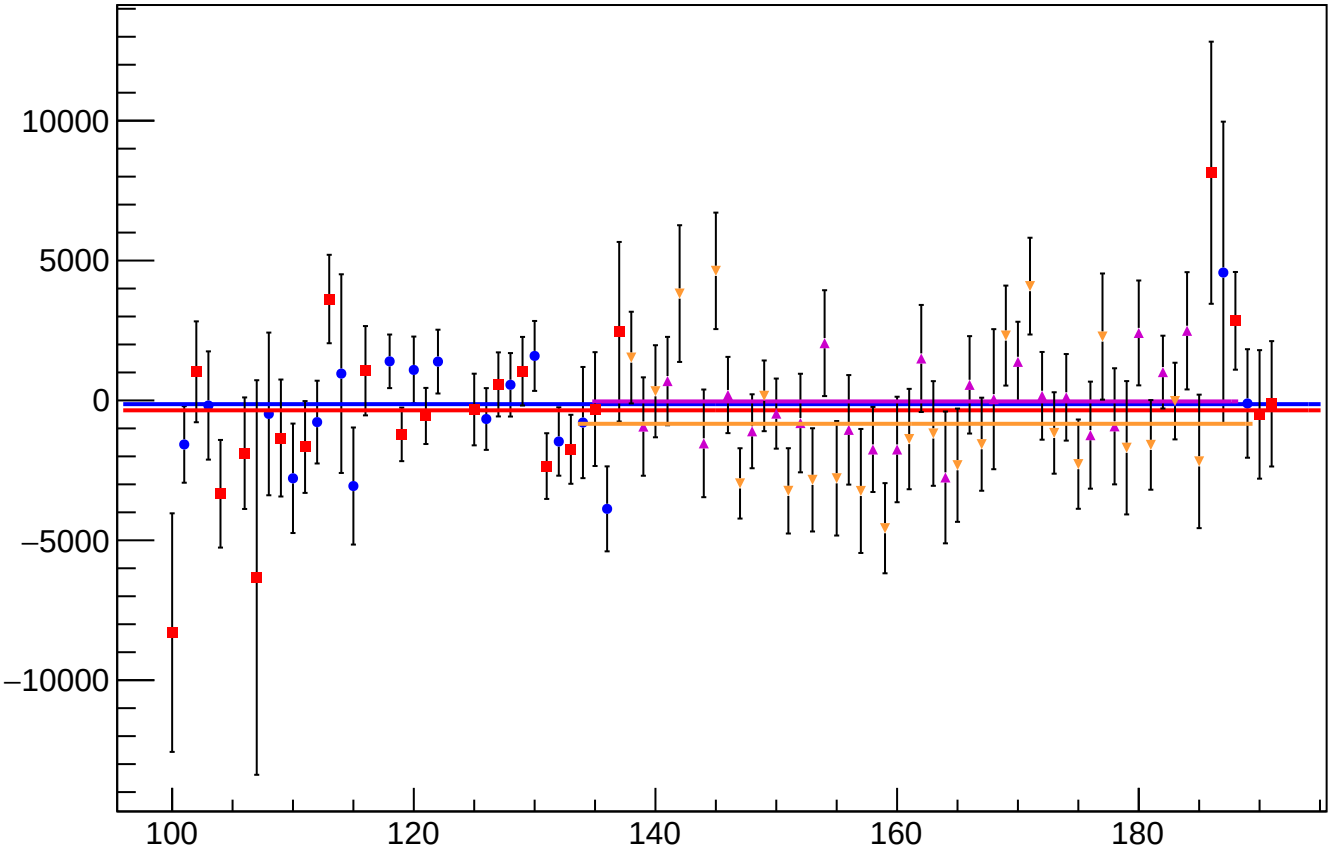
Right Out: 1117.726+/-0.259 χ^2/NDF: 12992.9/21

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

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

All: 1108.657+/-0.107 χ^2/NDF: 34738.1/86

- sign 1111.337+/-0.149 χ^2/NDF: 18096.8/44



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: -353.581+/-335.080 χ^2/NDF: 30.1/21

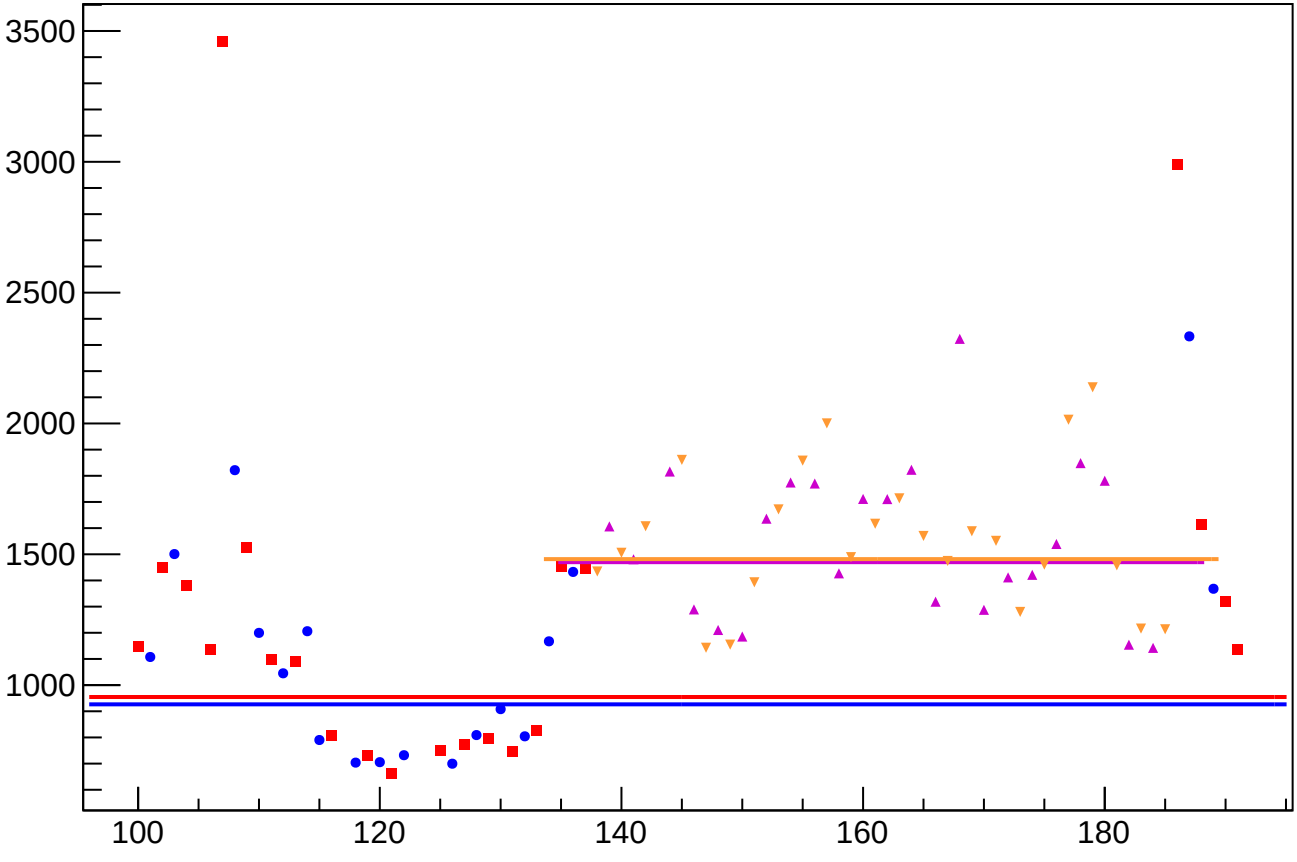
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

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

All: -337.679+/-172.456 χ^2/NDF: 111.2/86

- sign -201.307+/-241.920 χ^2/NDF: 43.7/44

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

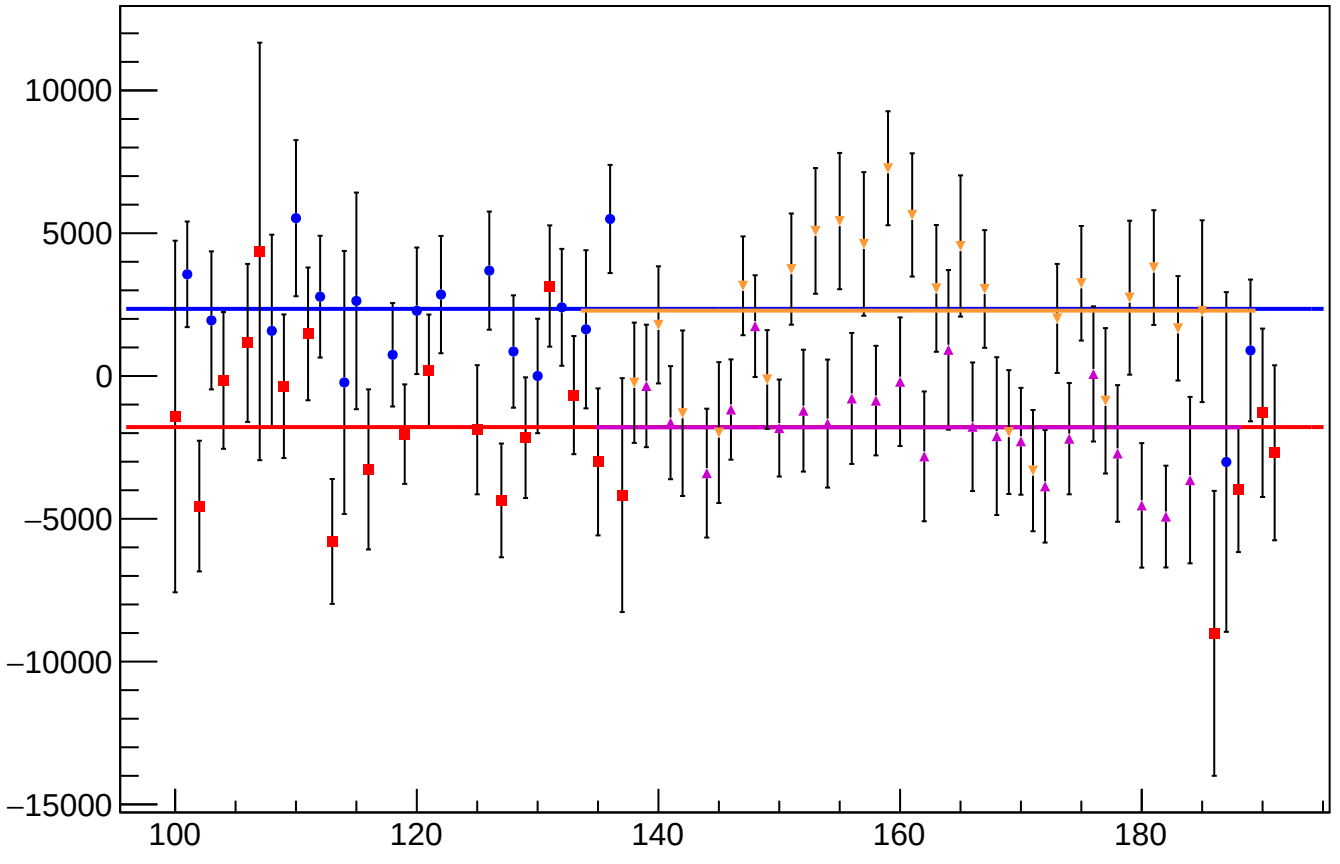
Right Out: 954.529+/-0.237 χ^2/NDF: 2106902.1/21

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

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

All: 1200.410+/-0.122 χ^2/NDF: 10357229.9/8

- sign 1201.267+/-0.171 χ^2/NDF: 5467106.9/44



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: -1788.562+/-525.520 χ^2/NDF: 21.9/21

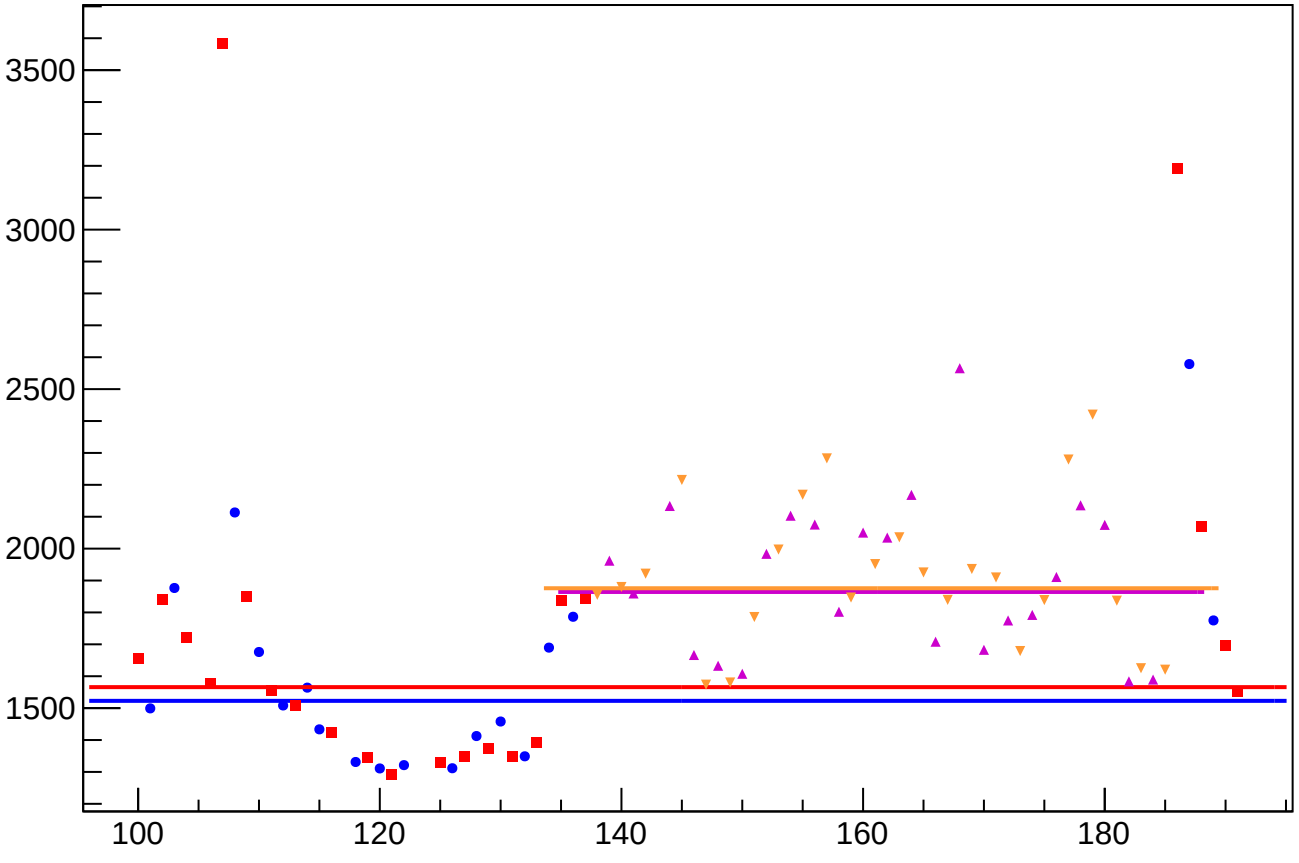
Left In: -1796.308+/-439.143 χ^2/NDF:14.2/22

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

All: 227.484+/-240.179 χ^2/NDF: 154.7/86

- sign -1793.123+/-336.977 χ^2/NDF: 36.2/44

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: 1565.821+/-0.372 χ^2/NDF: 746185.0/21

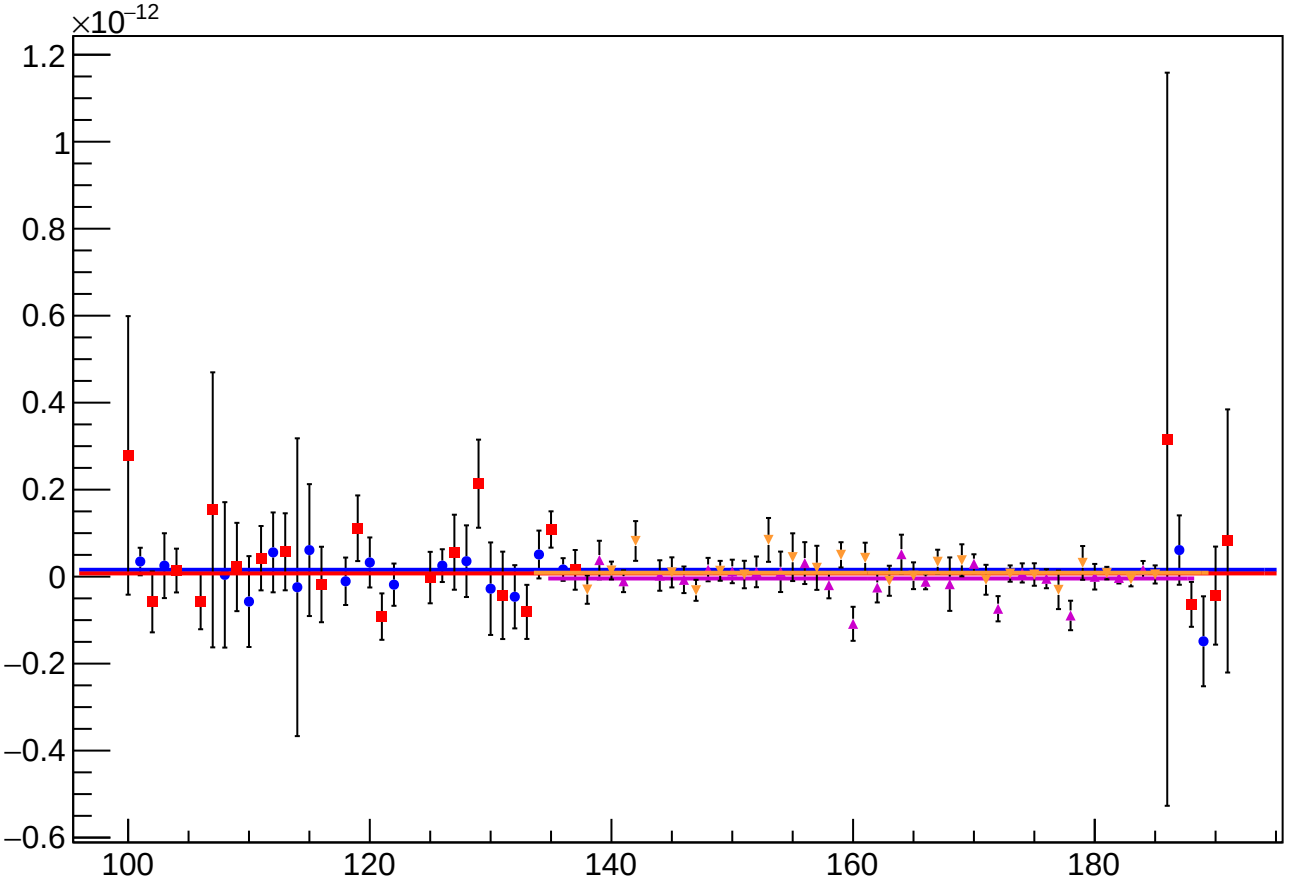
Left In: 1864.162+/-0.311 χ^2/NDF:510600.5/22

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

All: 1739.405+/-0.170 χ^2/NDF: 2961575.1/86

- sign 1741.493+/-0.238 χ^2/NDF: 1636333.1/44

asym_usl_reg_vs_cor_diff_mean vs Slug



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: 23.8/21

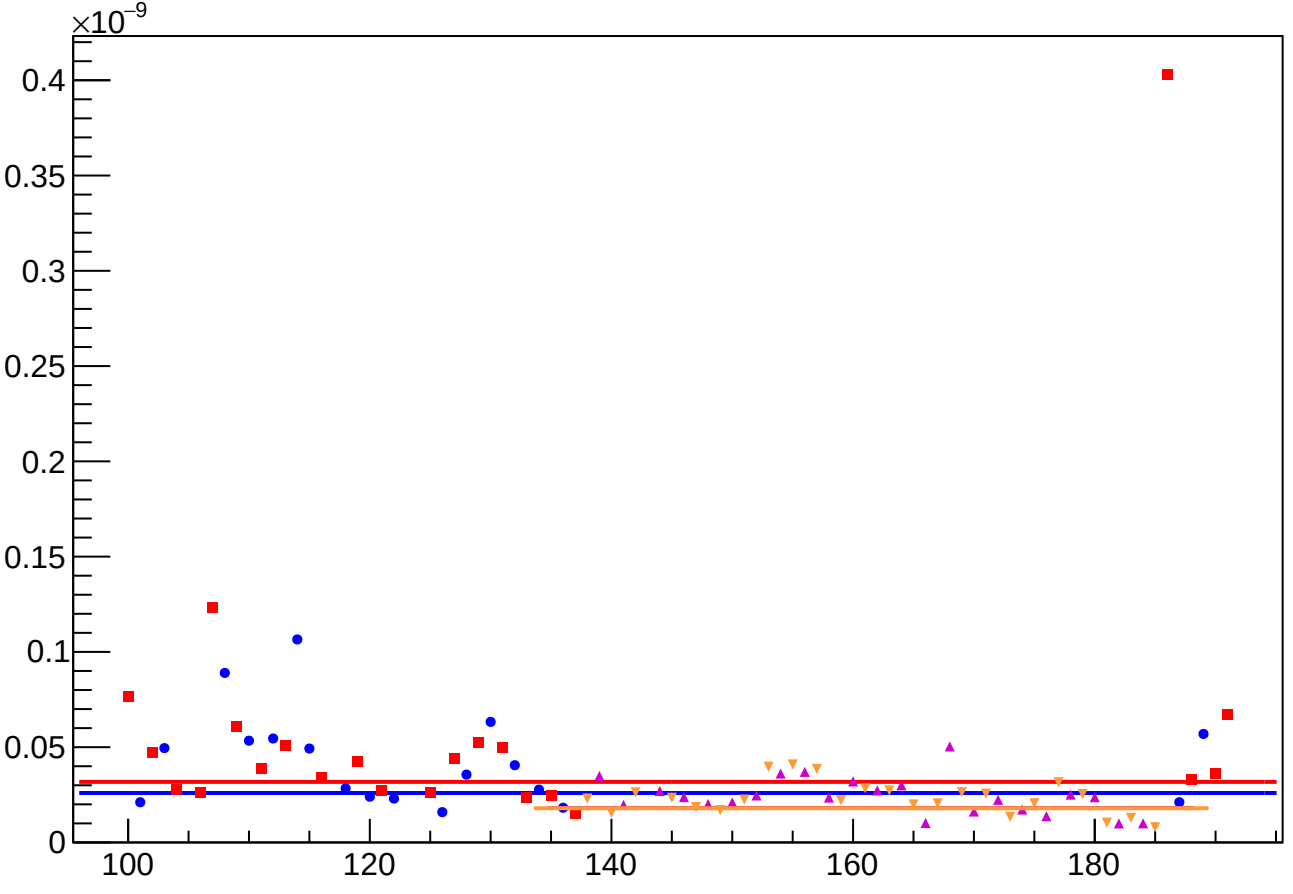
Left In: -0.000+/-0.000 χ^2/NDF:28.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 23.1/41

All: 0.000+/-0.000 χ^2/NDF: 78.7/86

- sign -0.000+/-0.000 χ^2/NDF: 52.4/44

asym_usl_reg_vs_cor_diff_rms vs Slug



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: 1648157.5/21

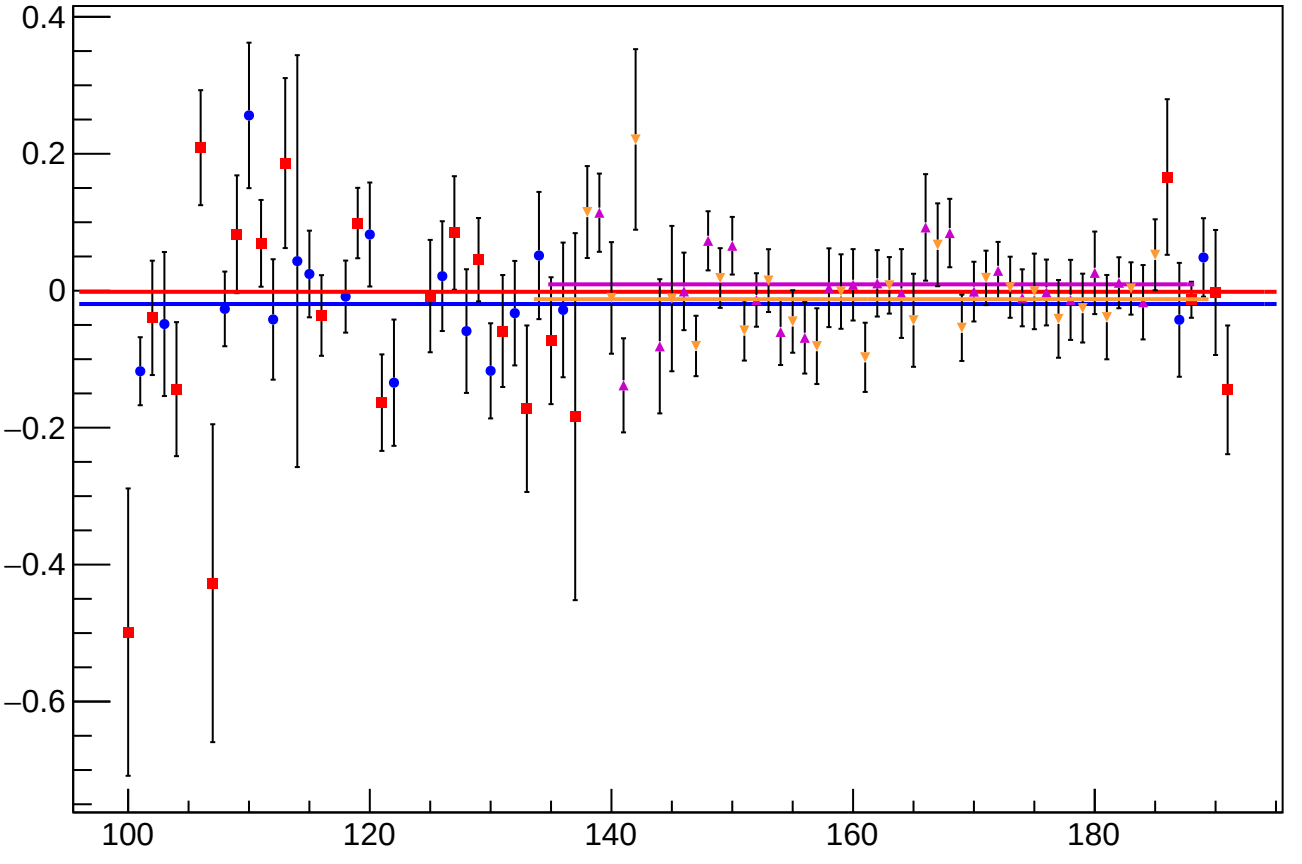
Left In: 0.000+/-0.000 χ^2/NDF:4180182.9/22

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

All: 0.000+/-0.000 χ^2/NDF: 13293098.8/86

- sign 0.000+/-0.000 χ^2/NDF: 7269707.1/44

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: 41.4/21

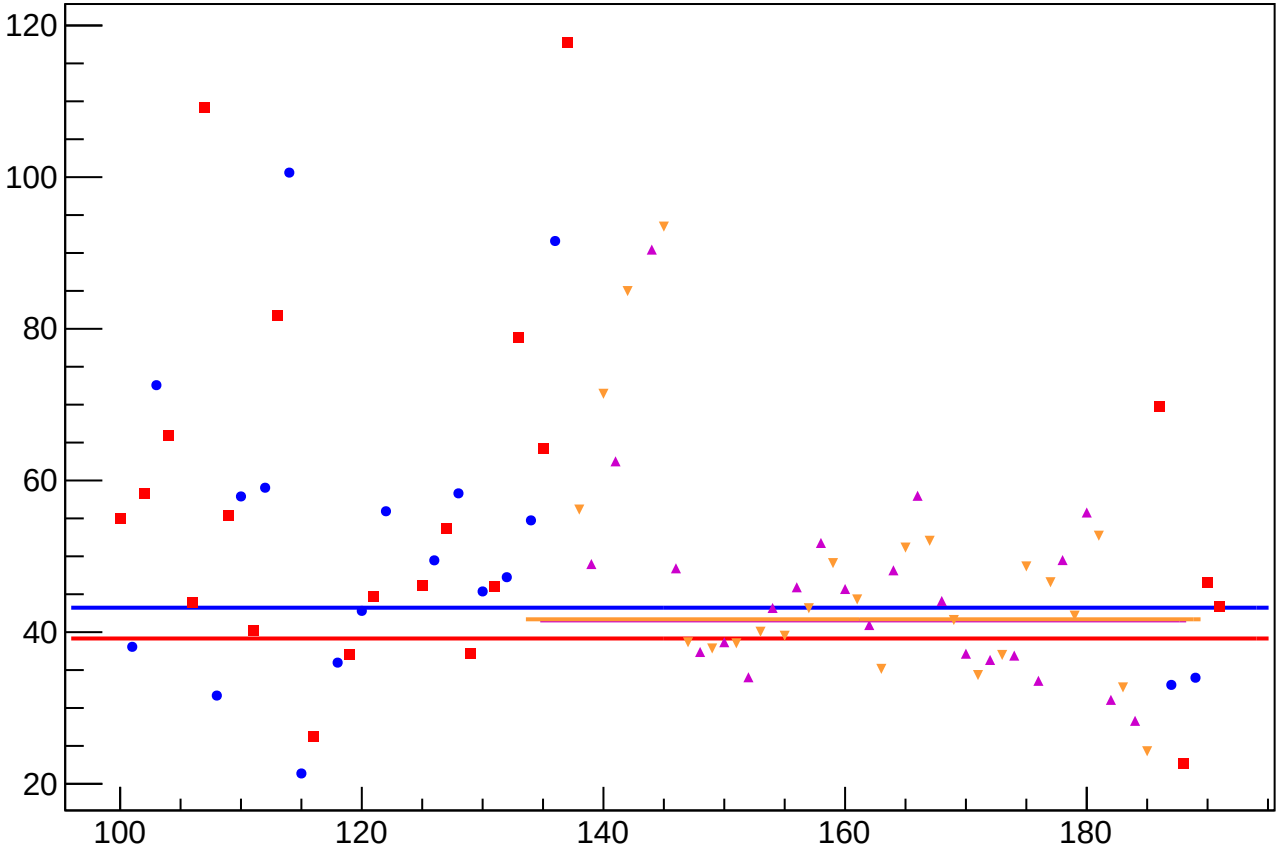
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

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

All: -0.004+/-0.006 χ^2/NDF: 107.5/86

- sign 0.006+/-0.009 χ^2/NDF: 63.7/44

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: 39.164+/-0.011 χ^2/NDF: 2439039.5/21

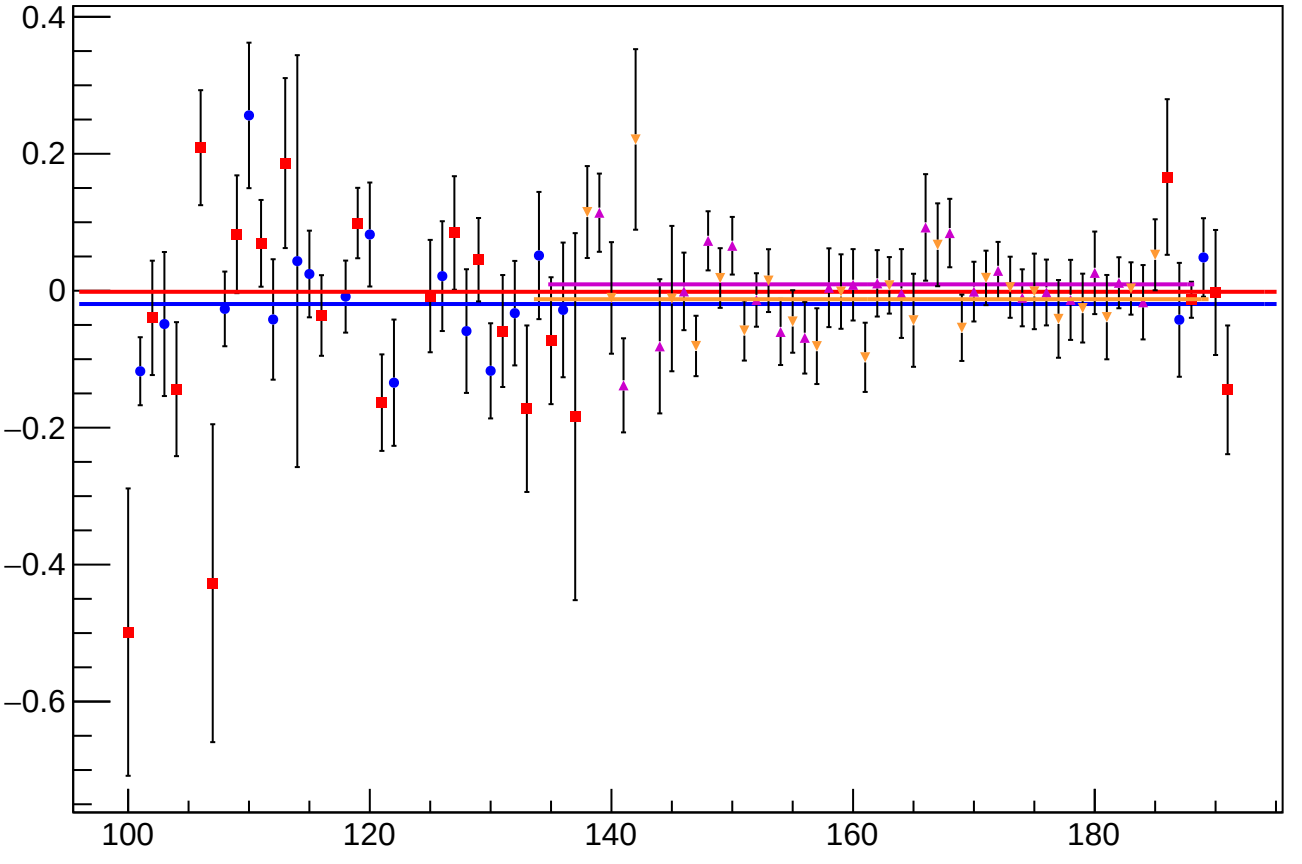
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

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

All: 41.407+/-0.004 χ^2/NDF: 7371152.9/86

\- sign 40.771+/-0.006 χ^2/NDF: 4085877.0/44

asym_usl_dit_vs_eigen_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: 41.4/21

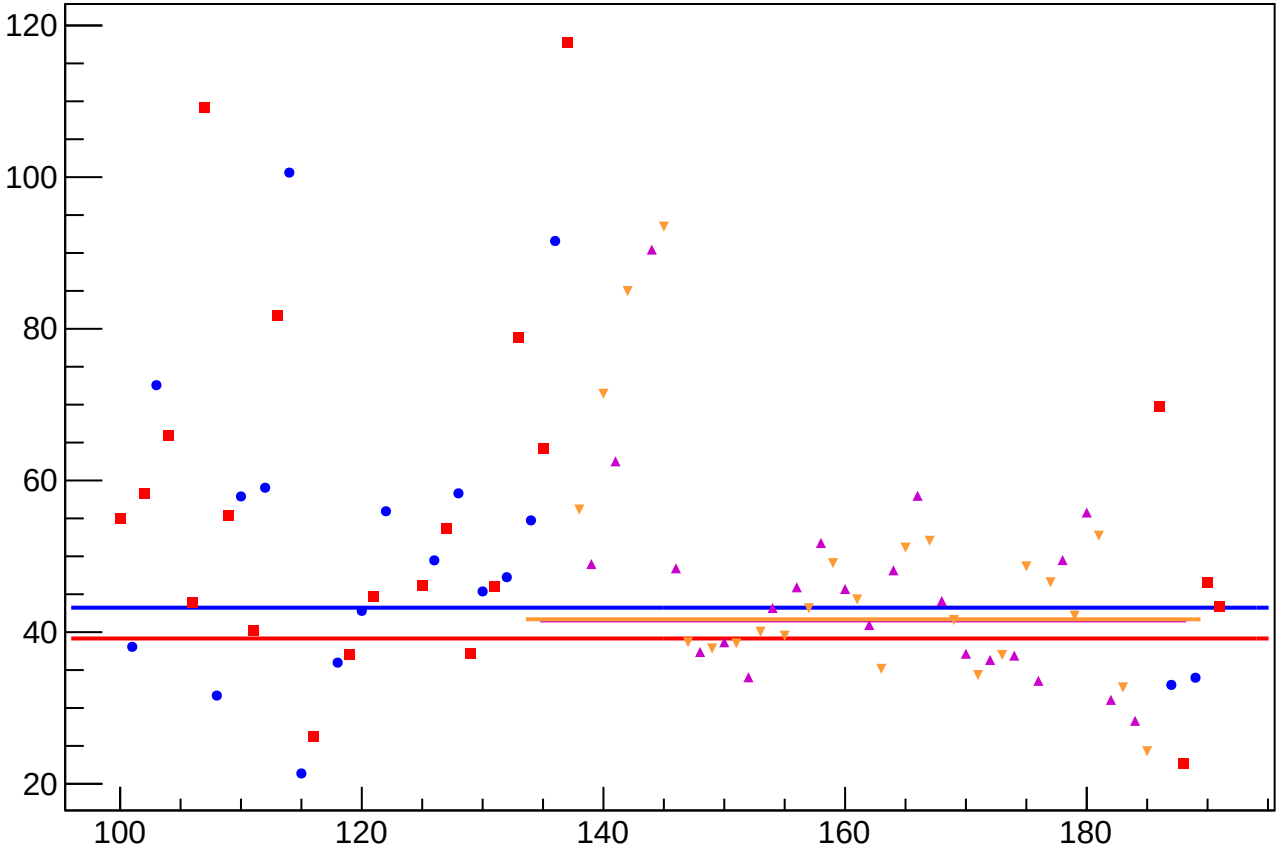
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

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

All: -0.004+/-0.006 χ^2/NDF: 107.5/86

- sign 0.006+/-0.009 χ^2/NDF: 63.7/44

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: 39.164+/-0.011 χ^2/NDF: 2439039.5/21

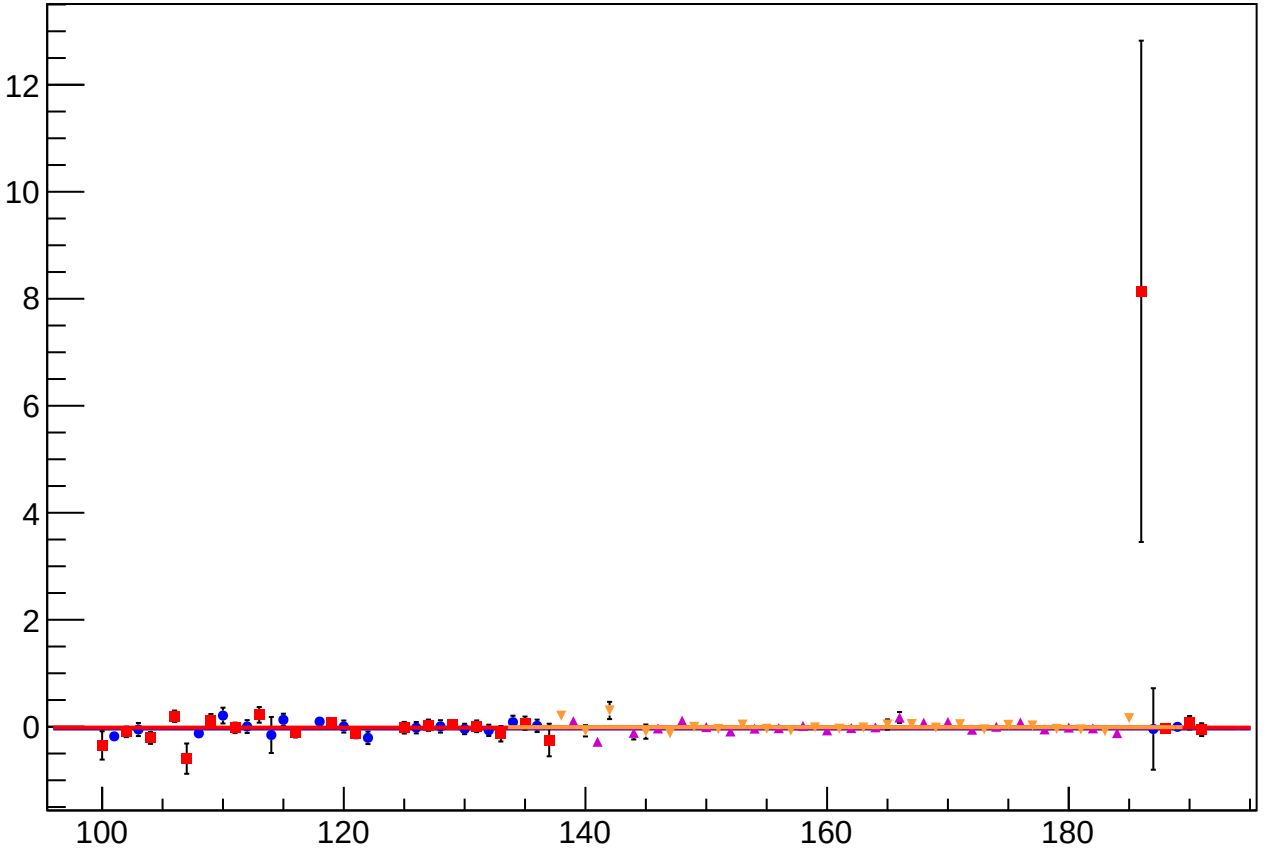
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

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

All: 41.407+/-0.004 χ^2/NDF: 7371152.9/86

- sign 40.771+/-0.006 χ^2/NDF: 4085877.0/44

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: -0.016+/-0.023 χ^2/NDF: 26.7/21

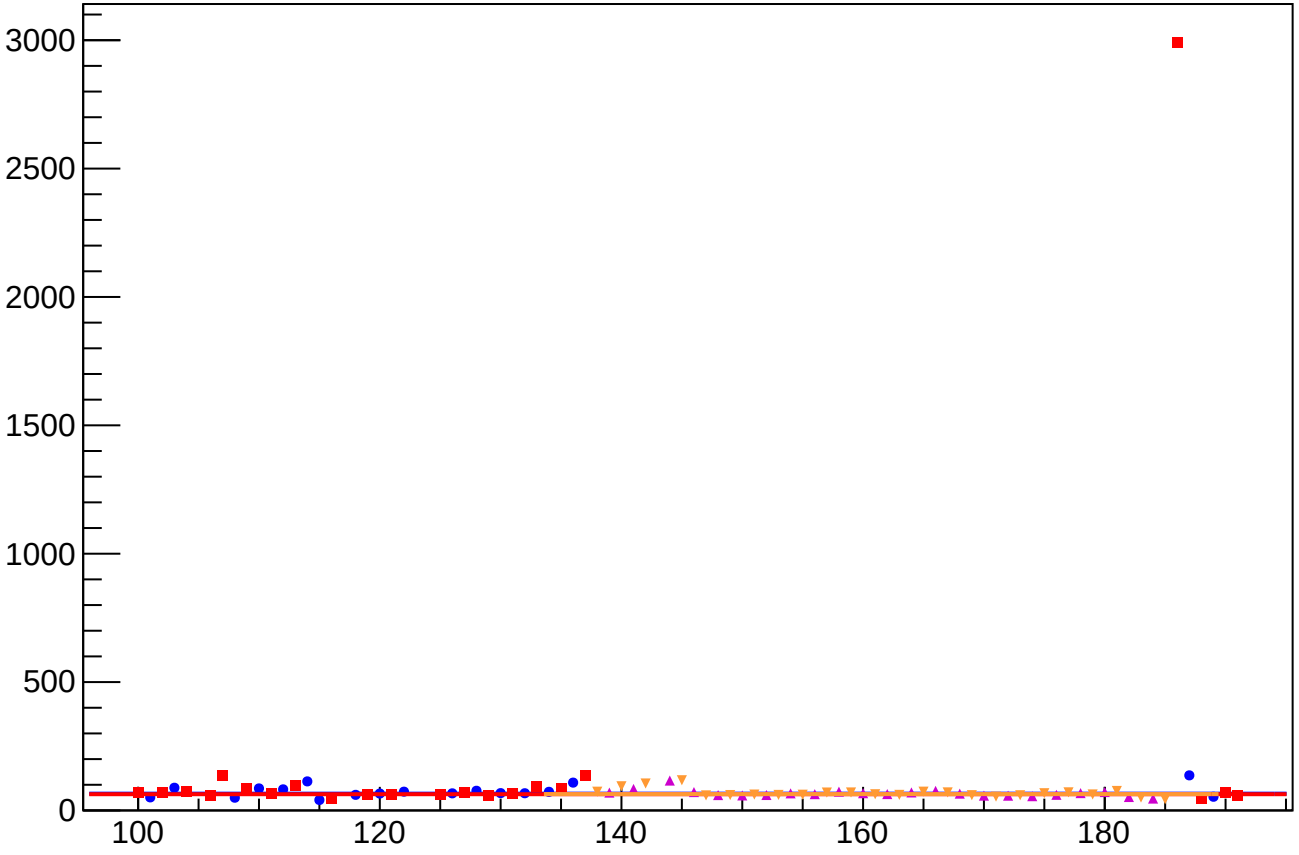
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

+ sign -0.014+/-0.013 χ^2/NDF: 42.0/41

All: -0.012+/-0.009 χ^2/NDF: 96.9/86

- sign -0.010+/-0.013 χ^2/NDF: 54.9/44

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: 63.267+/-0.016 χ^2/NDF: 1742602.8/21

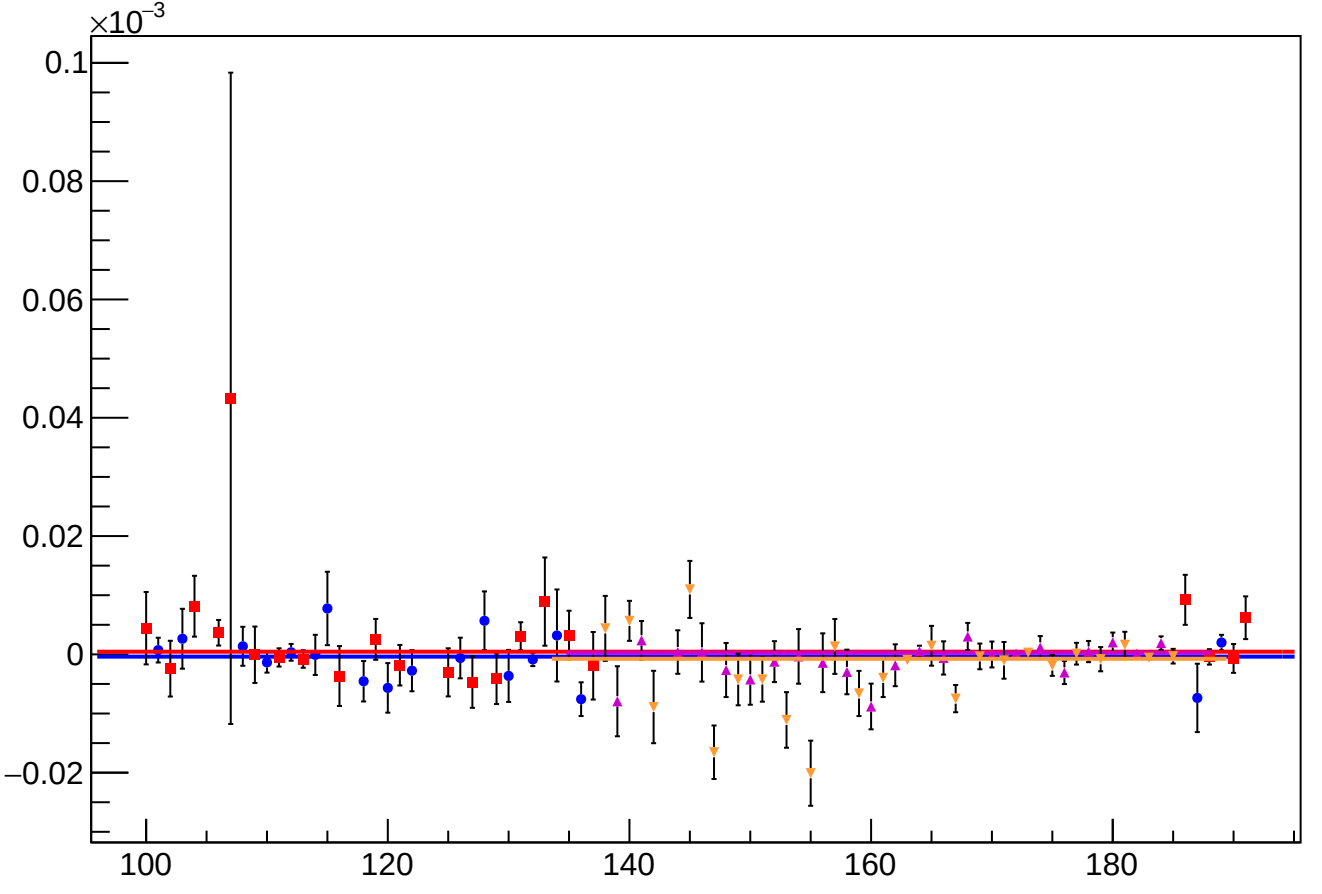
Left In: 64.036+/-0.011 χ^2/NDF:838789.3/22

+ sign 64.214+/-0.009 χ^2/NDF: 1914333.7/41

All: 63.999+/-0.006 χ^2/NDF: 4498325.7/86

- sign 63.794+/-0.009 χ^2/NDF: 2582943.8/44

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: 22.3/21

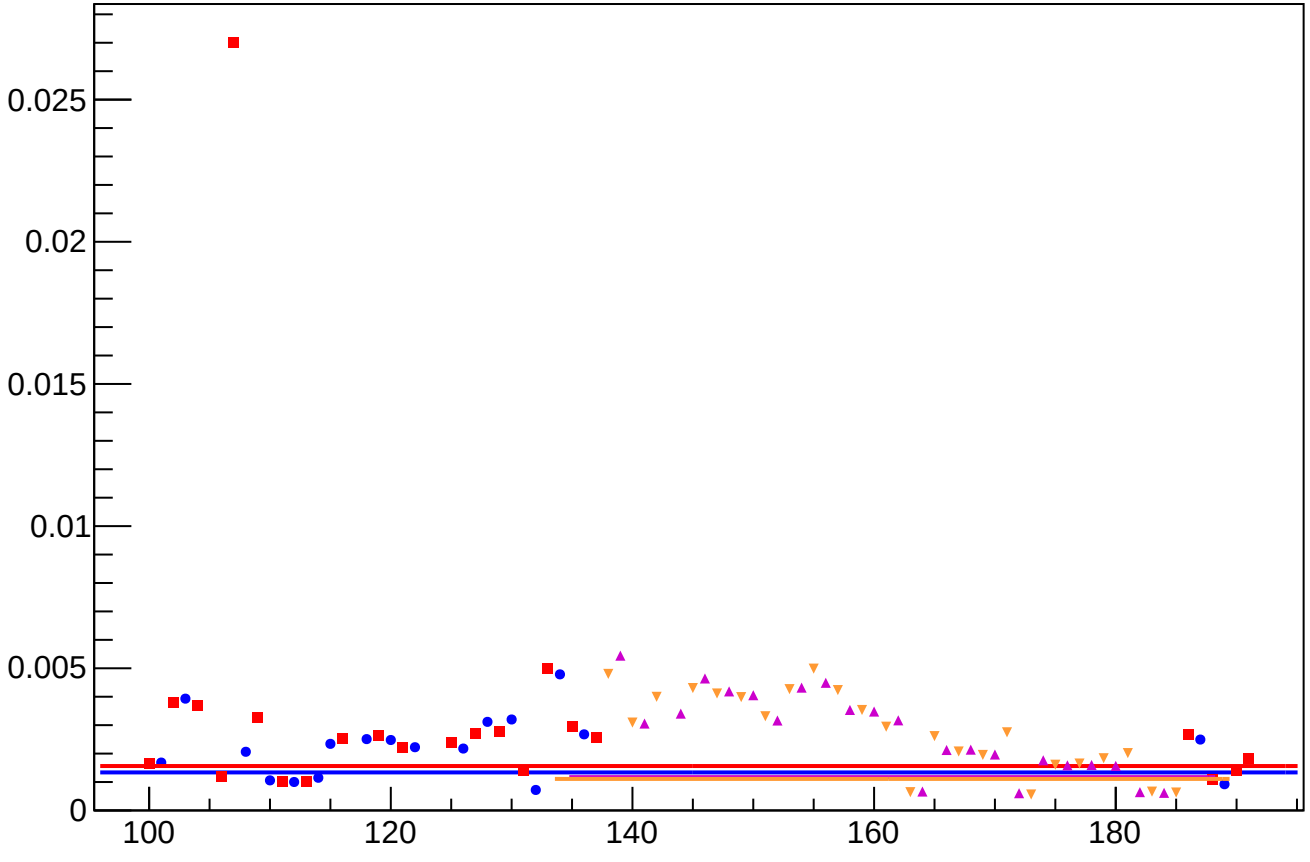
Left In: 0.000+/-0.000 χ^2/NDF:18.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 80.6/41

All: -0.000+/-0.000 χ^2/NDF: 126.9/86

- sign 0.000+/-0.000 χ^2/NDF: 41.2/44

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: 3914271.0/21

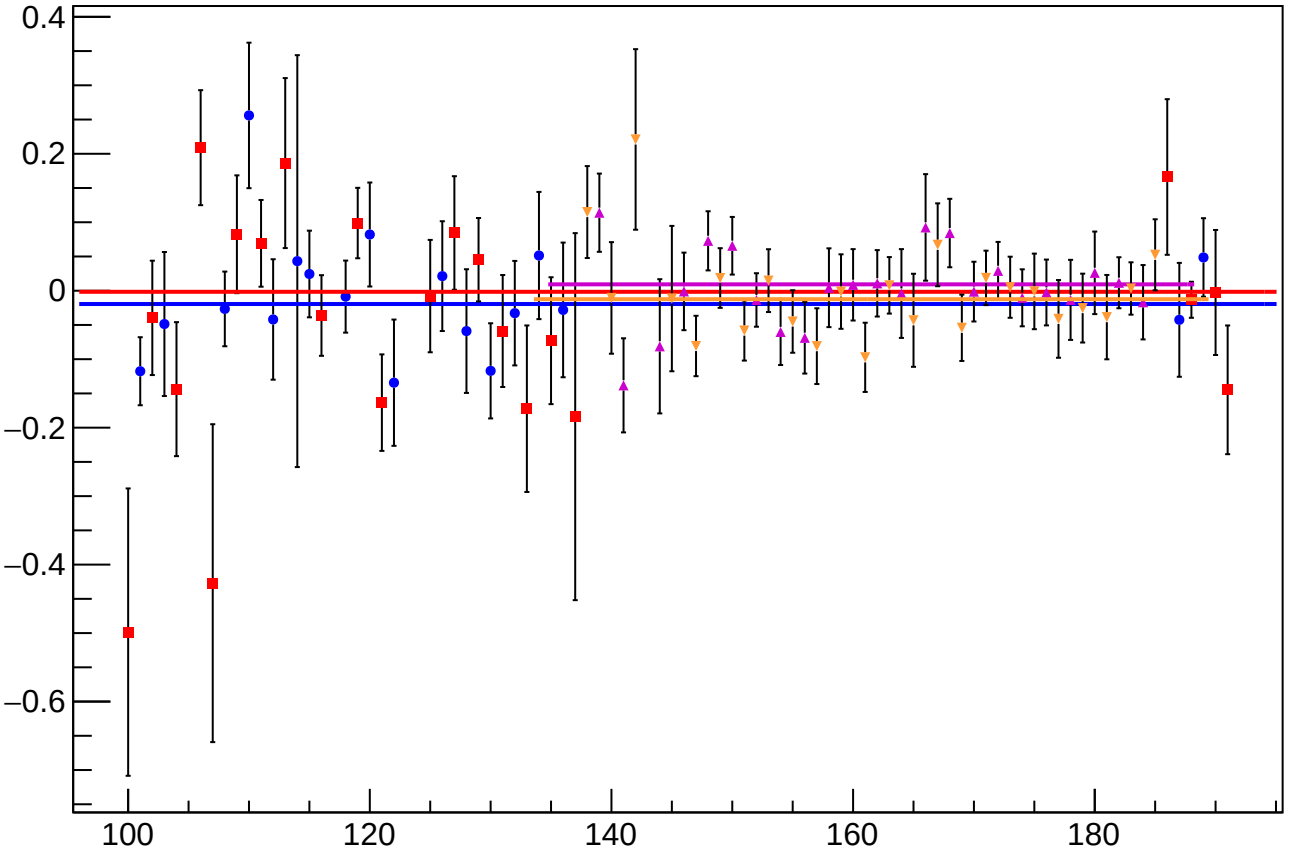
Left In: 0.001+/-0.000 χ^2/NDF:14252589.1/22

+ sign 0.001+/-0.000 χ^2/NDF: 19267971.1/41

All: 0.001+/-0.000 χ^2/NDF: 38178317.3/86

- sign 0.001+/-0.000 χ^2/NDF: 18790916.9/44

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: 41.4/21

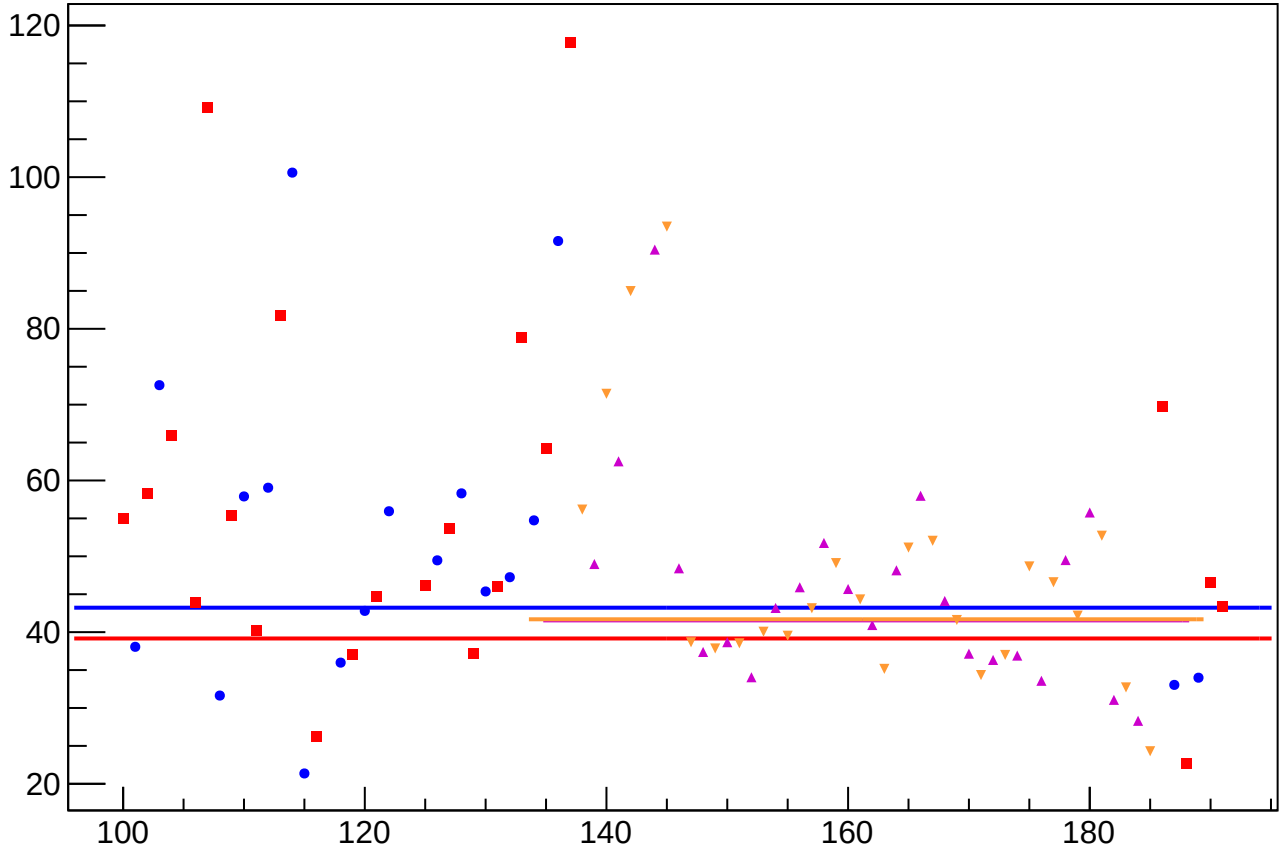
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

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

All: -0.004+/-0.006 χ^2/NDF: 107.5/86

- sign 0.006+/-0.009 χ^2/NDF: 63.6/44

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

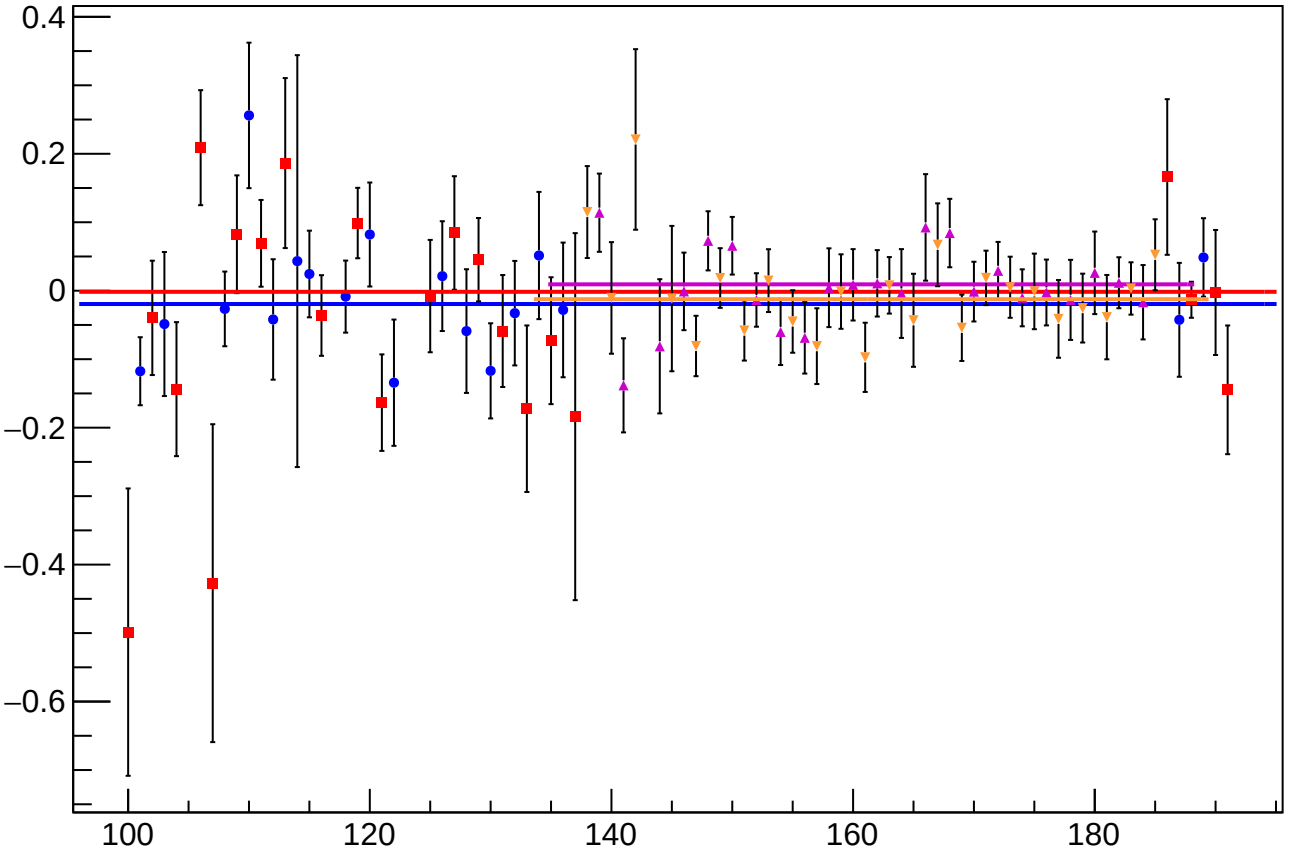
Right Out: 39.165+/-0.011 χ^2/NDF: 2438858.6/21

Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

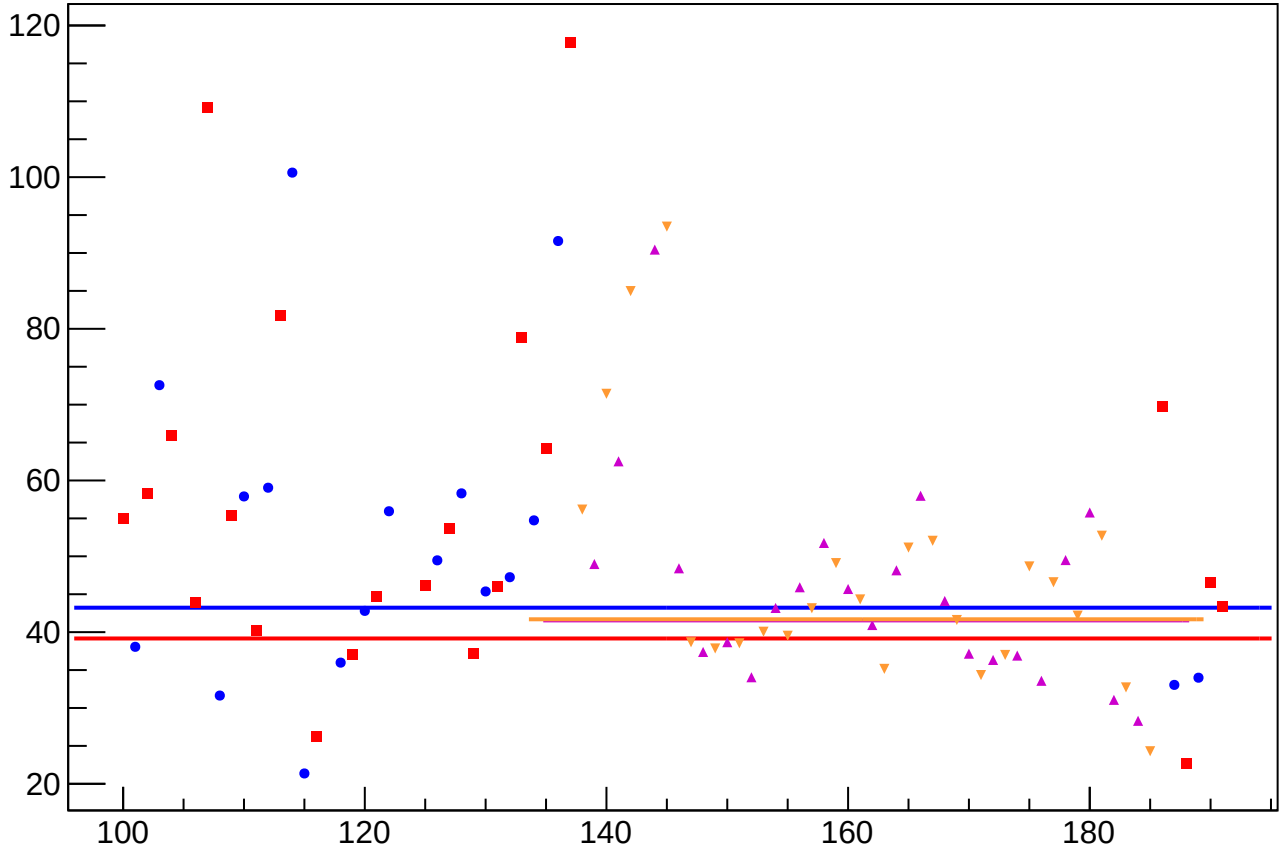
+ sign 42.101+/-0.006 χ^2/NDF: 3262419.0/41

All: 41.407+/-0.004 χ^2/NDF: 7370918.2/86

- sign 40.772+/-0.006 χ^2/NDF: 4085658.0/44


asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
Right In: -0.019+/-0.017 χ²/NDF: 19.2/17
Left Out: -0.012+/-0.010 χ²/NDF:21.9/23
Right Out: -0.002+/-0.015 χ²/NDF: 41.4/21
Left In: 0.009+/-0.010 χ²/NDF:21.9/22
+ sign -0.014+/-0.009 χ²/NDF: 41.3/41
All: -0.004+/-0.006 χ²/NDF: 107.5/86
- sign 0.006+/-0.009 χ²/NDF: 63.6/44

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: 39.165+/-0.011 χ^2/NDF: 2438858.6/21

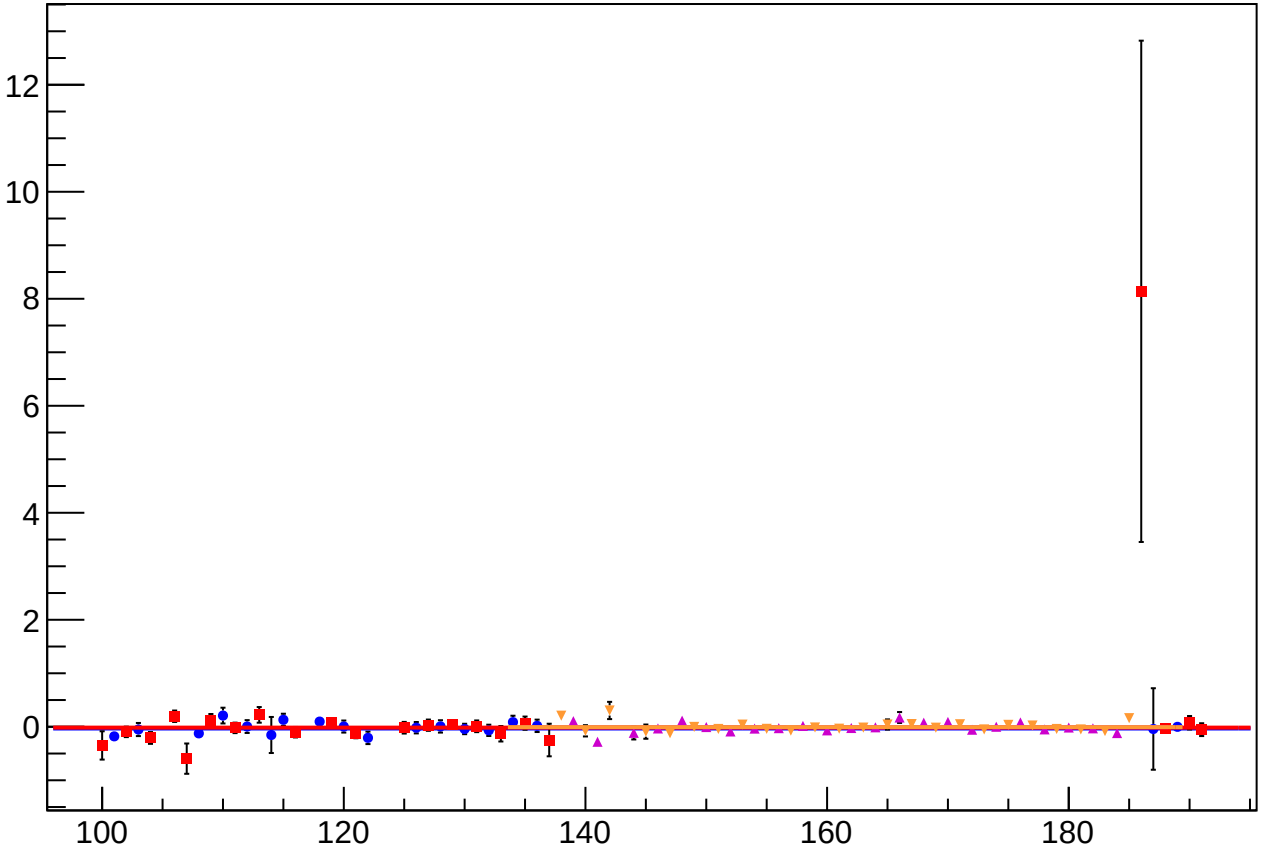
Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

+ sign 42.101+/-0.006 χ^2/NDF: 3262419.0/41

All: 41.407+/-0.004 χ^2/NDF: 7370918.2/86

- sign 40.772+/-0.006 χ^2/NDF: 4085658.0/44

asym_usl_eigen_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: -0.016+/-0.023 χ^2/NDF: 26.7/21

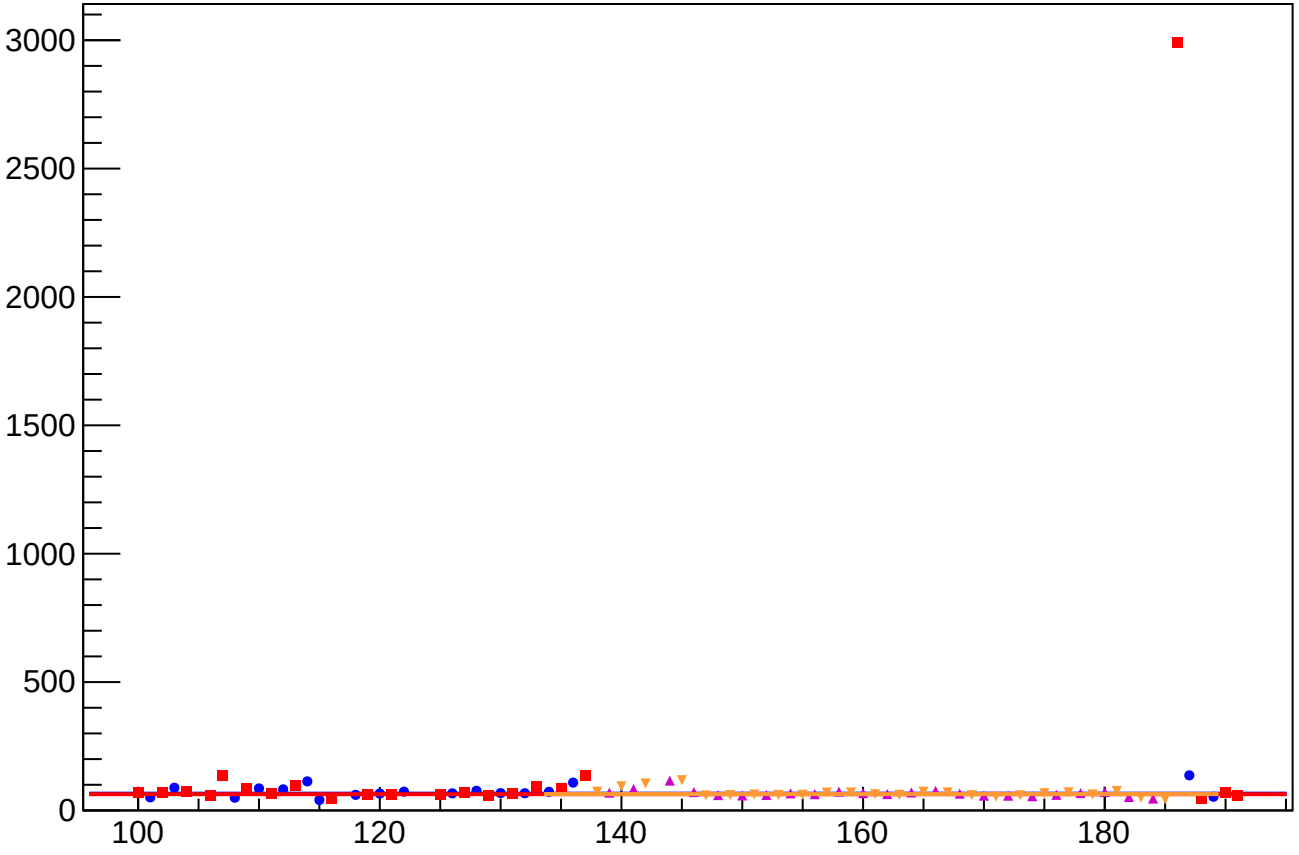
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

+ sign -0.014+/-0.013 χ^2/NDF: 42.0/41

All: -0.012+/-0.009 χ^2/NDF: 96.9/86

- sign -0.010+/-0.013 χ^2/NDF: 54.9/44

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: 63.266+/-0.016 χ^2/NDF: 1742570.0/21

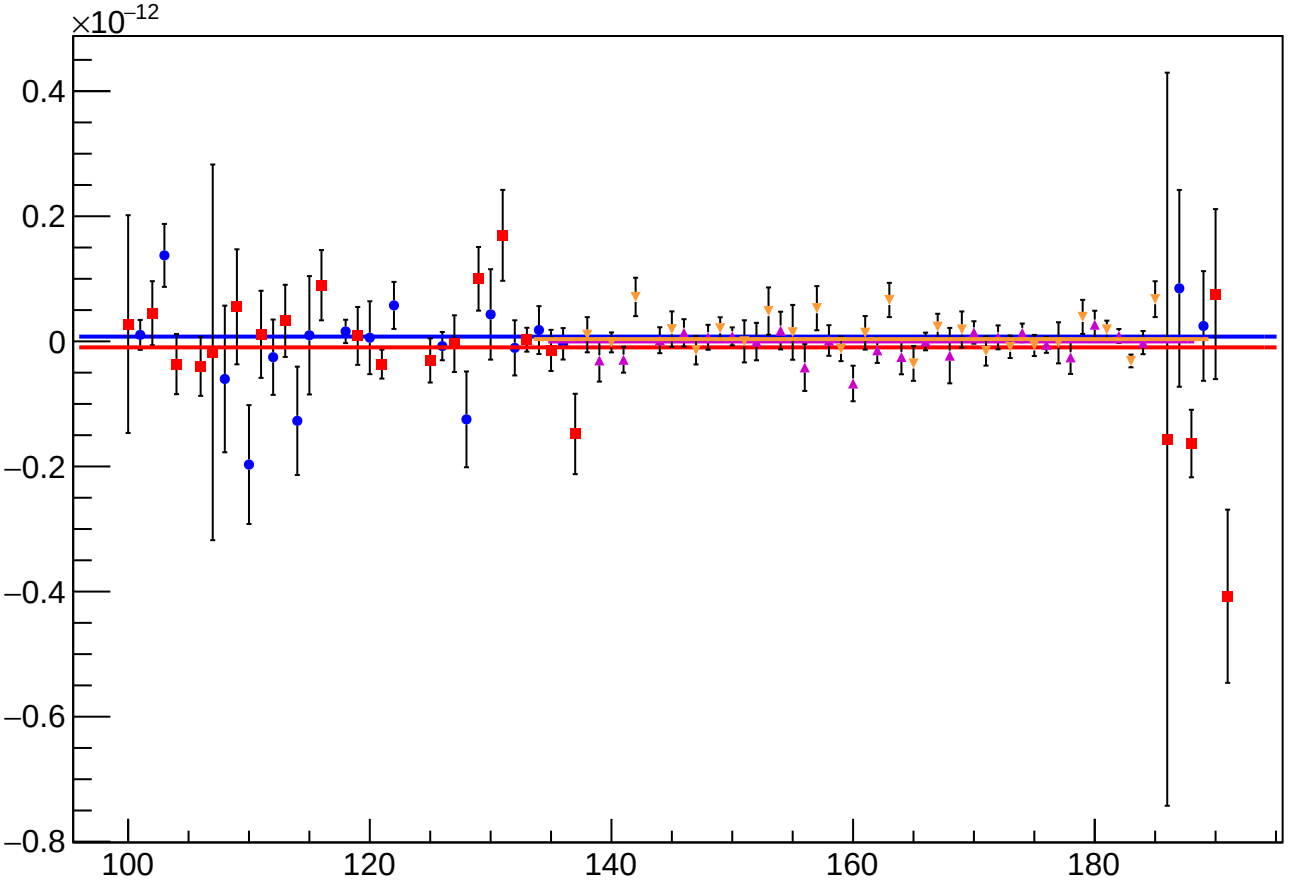
Left In: 64.036+/-0.011 χ^2/NDF:838784.5/22

+ sign 64.214+/-0.009 χ^2/NDF: 1914319.9/41

All: 63.999+/-0.006 χ^2/NDF: 4498276.5/86

- sign 63.794+/-0.009 χ^2/NDF: 2582908.5/44

asym_usl_eigen_cor_vs_cor_diff_mean vs Slug



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: 40.7/21

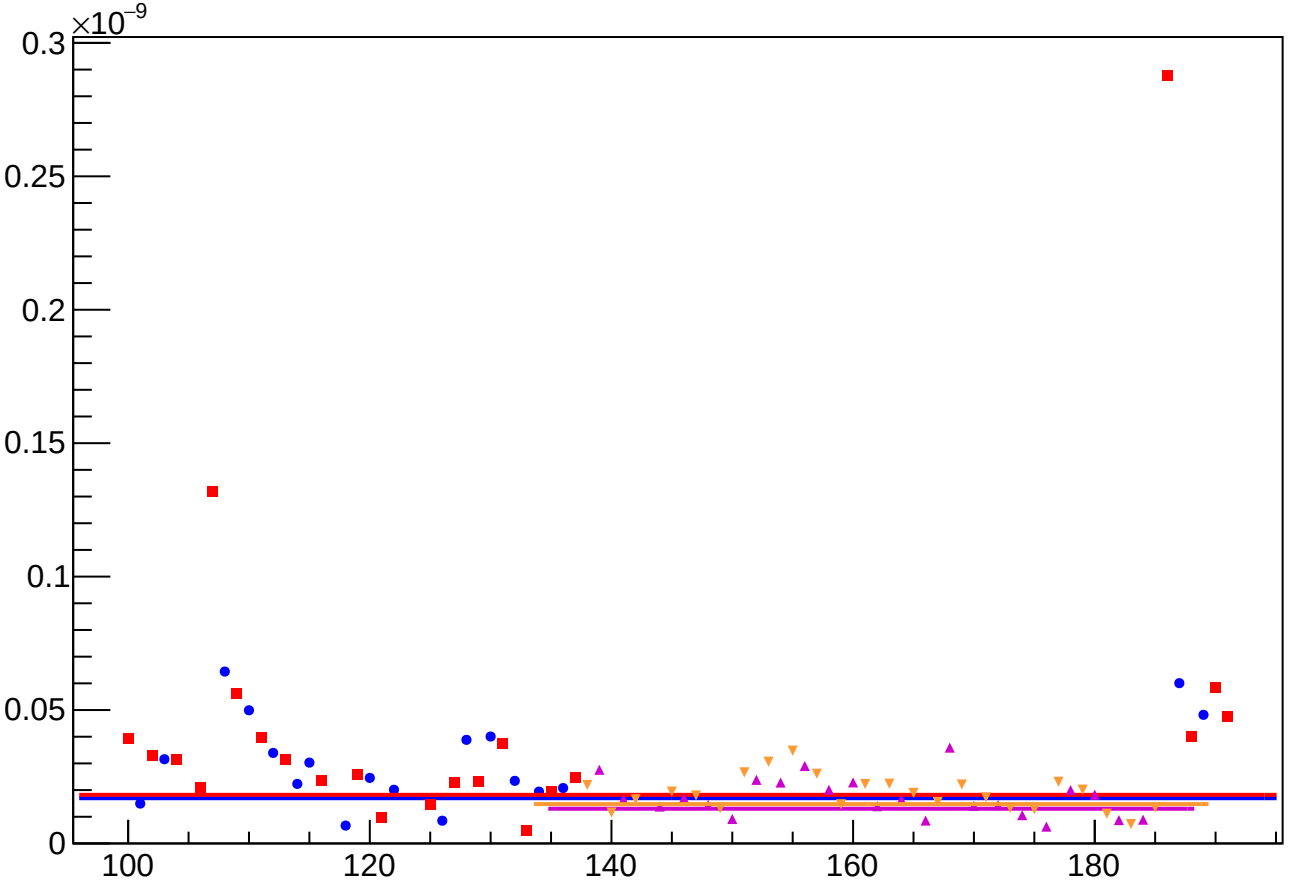
Left In: -0.000+/-0.000 χ^2/NDF:17.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 61.5/41

All: 0.000+/-0.000 χ^2/NDF: 121.2/86

- sign -0.000+/-0.000 χ^2/NDF: 58.6/44

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: 3830388.6/21

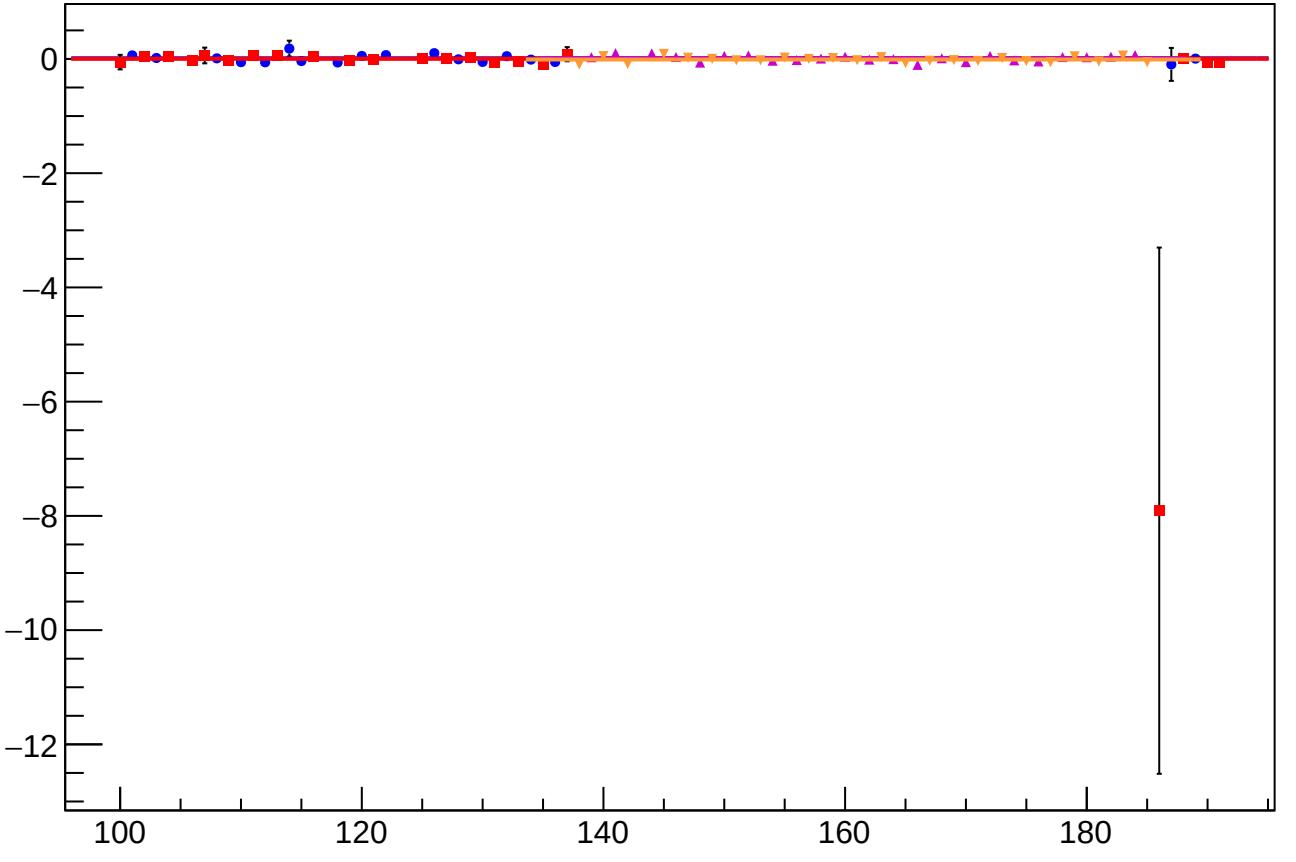
Left In: 0.000+/-0.000 χ^2/NDF:3925910.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 6381964.7/41

All: 0.000+/-0.000 χ^2/NDF: 14762986.5/86

- sign 0.000+/-0.000 χ^2/NDF: 8254657.6/44

asym_usl_overload_cor_vs_cor_diff_mean vs Slug



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: 0.004+/-0.012 χ^2/NDF: 15.5/21

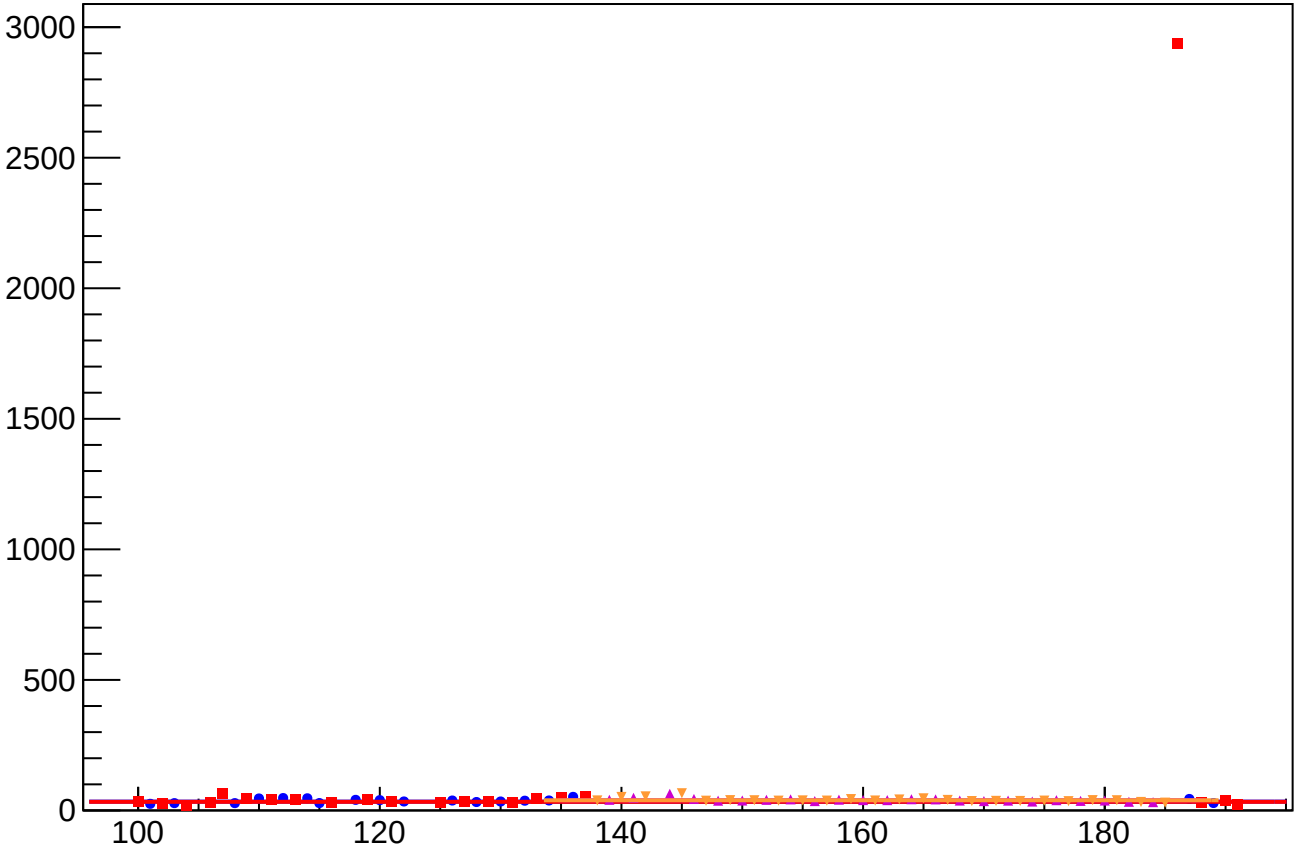
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

+ sign -0.003+/-0.008 χ^2/NDF: 36.0/41

All: 0.003+/-0.005 χ^2/NDF: 76.0/86

- sign 0.008+/-0.007 χ^2/NDF: 39.0/44

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: 33.080+/-0.008 χ^2/NDF: 1781677.8/21

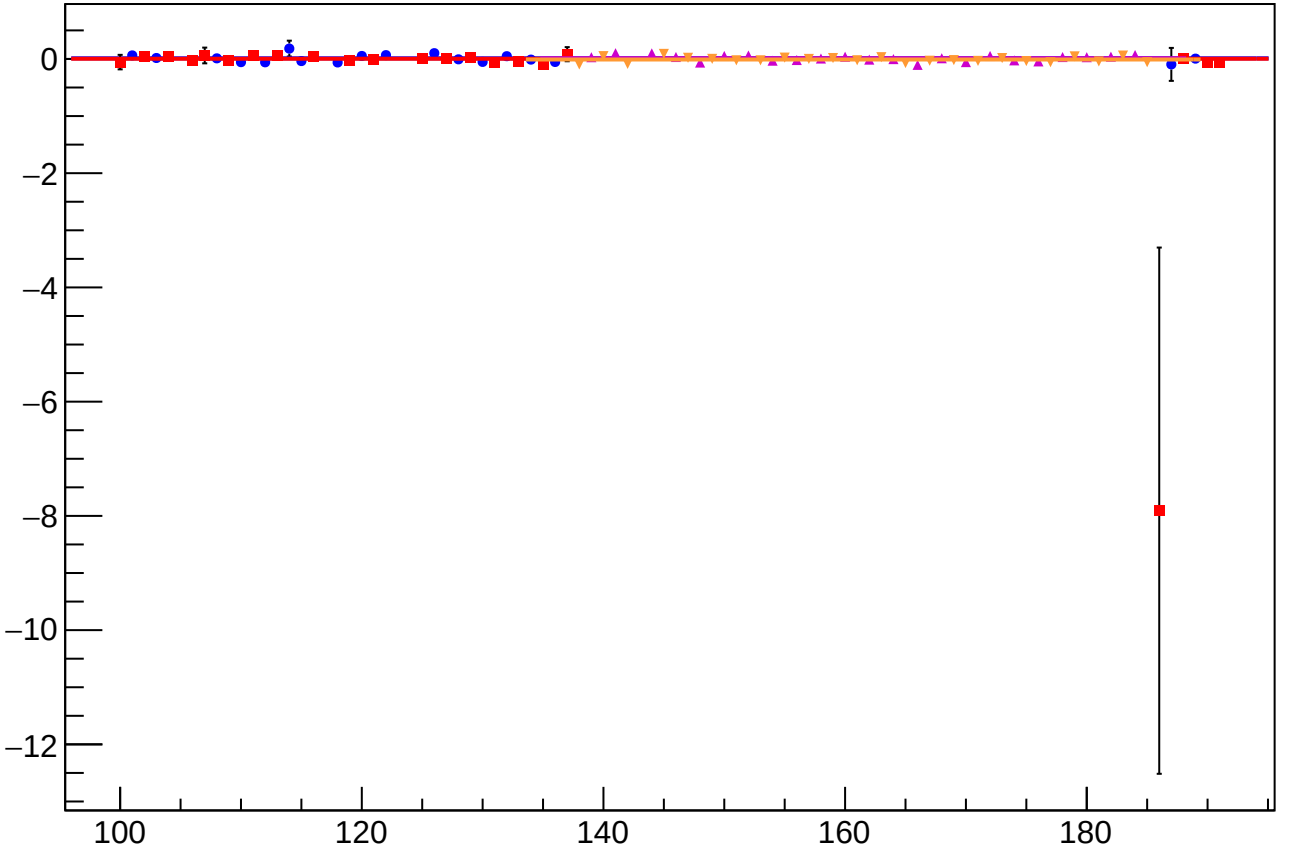
Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

+ sign 37.192+/-0.005 χ^2/NDF: 1496676.3/41

All: 36.995+/-0.004 χ^2/NDF: 4119202.9/86

- sign 36.808+/-0.005 χ^2/NDF: 2619943.6/44

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs Slug



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: 0.004+/-0.012 χ^2/NDF: 15.5/21

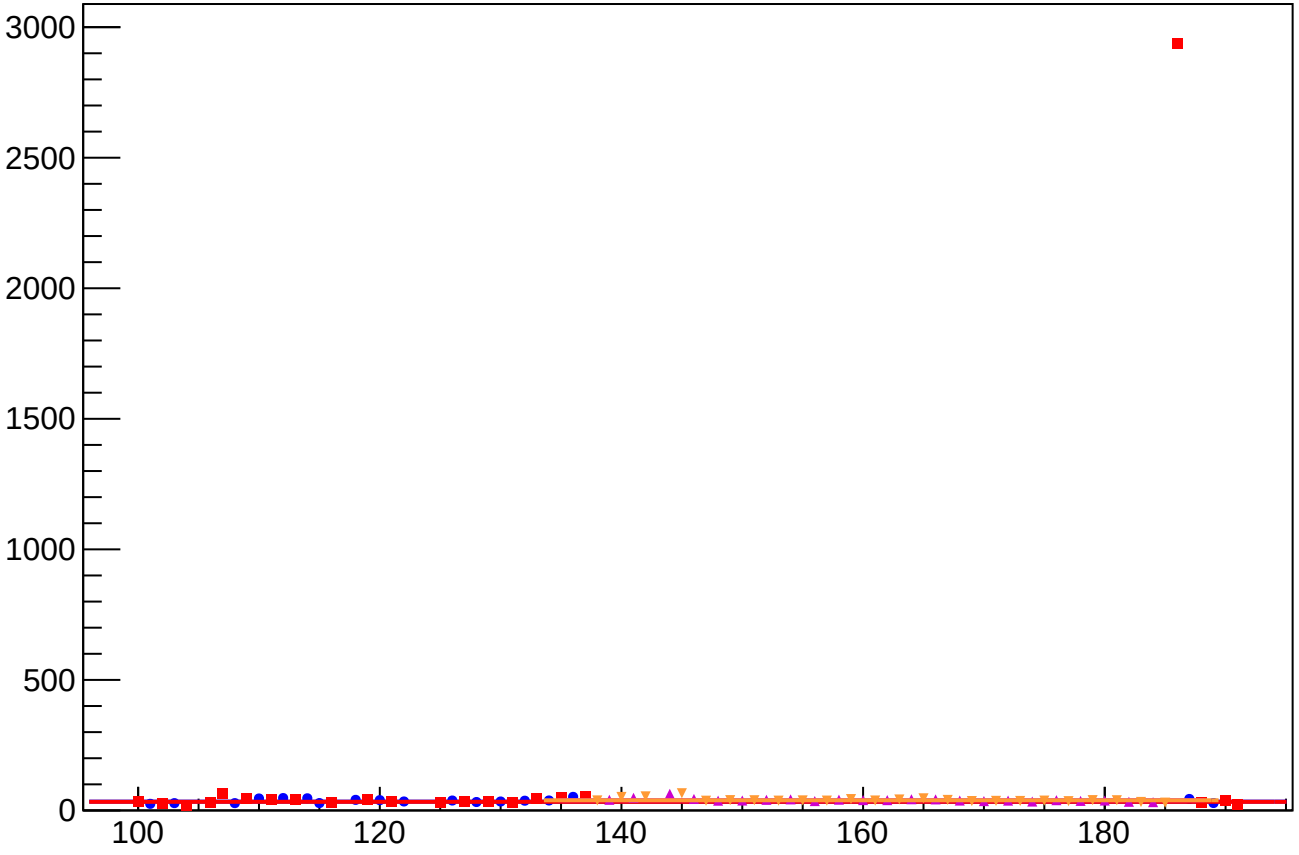
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

+ sign -0.003+/-0.008 χ^2/NDF: 36.0/41

All: 0.003+/-0.005 χ^2/NDF: 76.0/86

- sign 0.008+/-0.007 χ^2/NDF: 39.0/44

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

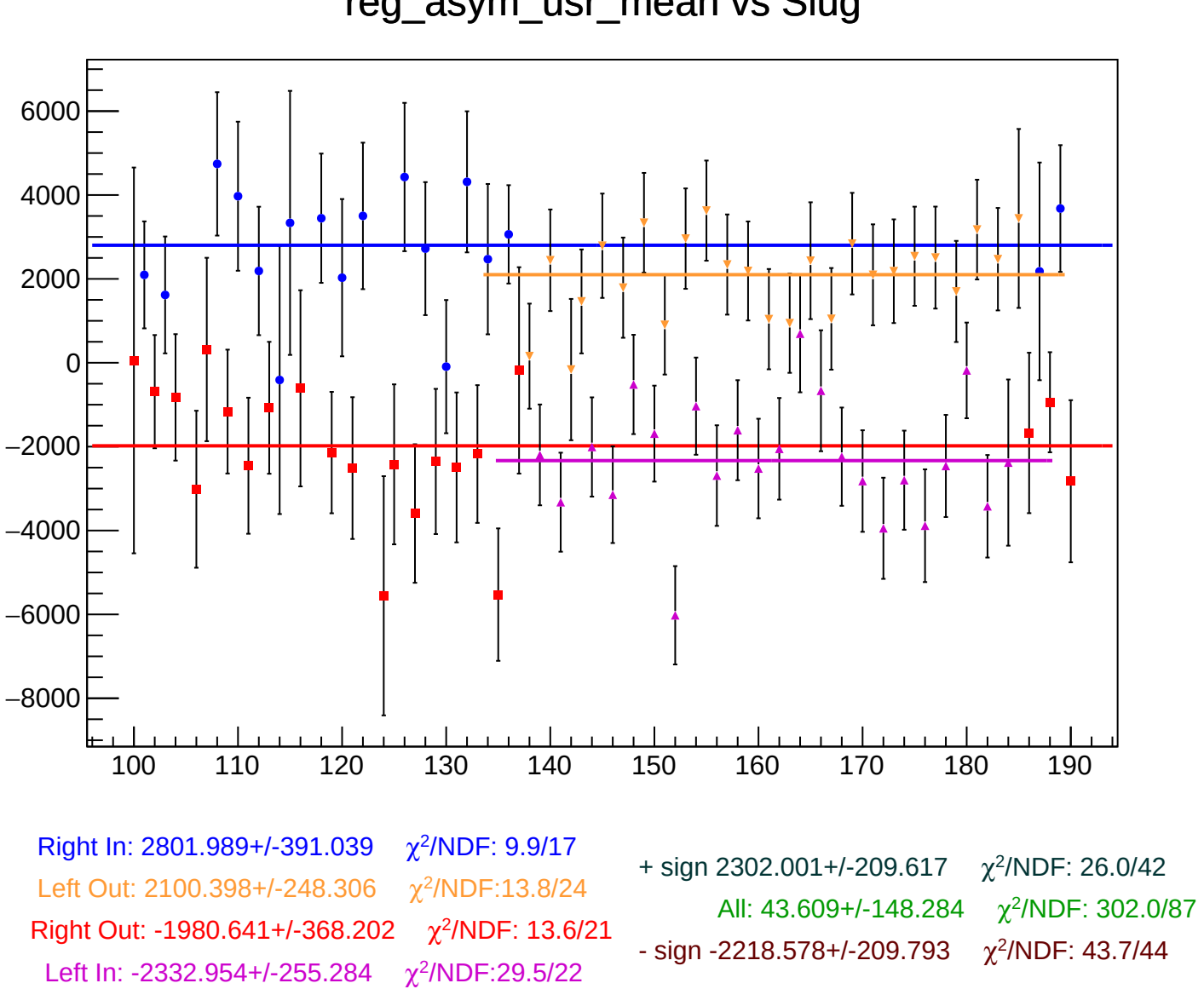
Right Out: 33.080+/-0.008 χ^2/NDF: 1781677.8/21

Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

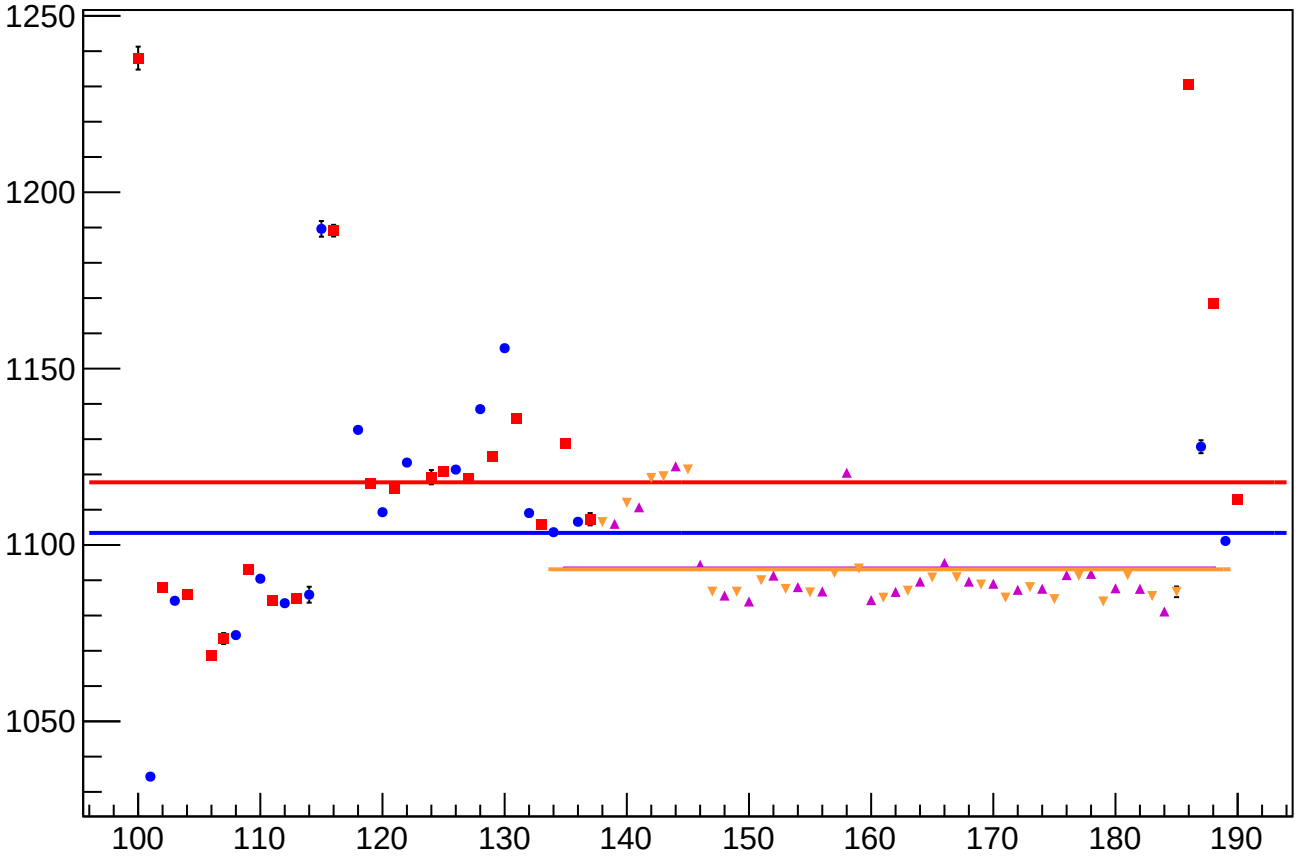
+ sign 37.192+/-0.005 χ^2/NDF: 1496676.3/41

All: 36.995+/-0.004 χ^2/NDF: 4119202.9/86

- sign 36.808+/-0.005 χ^2/NDF: 2619943.6/44


reg_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: -1980.641+/-368.202 χ²/NDF: 13.6/21
Left In: -2332.954+/-255.284 χ²/NDF:29.5/22
+ sign 2302.001+/-209.617 χ²/NDF: 26.0/42
All: 43.609+/-148.284 χ²/NDF: 302.0/87
- sign -2218.578+/-209.793 χ²/NDF: 43.7/44

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: 1117.766+/-0.260 χ^2/NDF: 20620.8/21

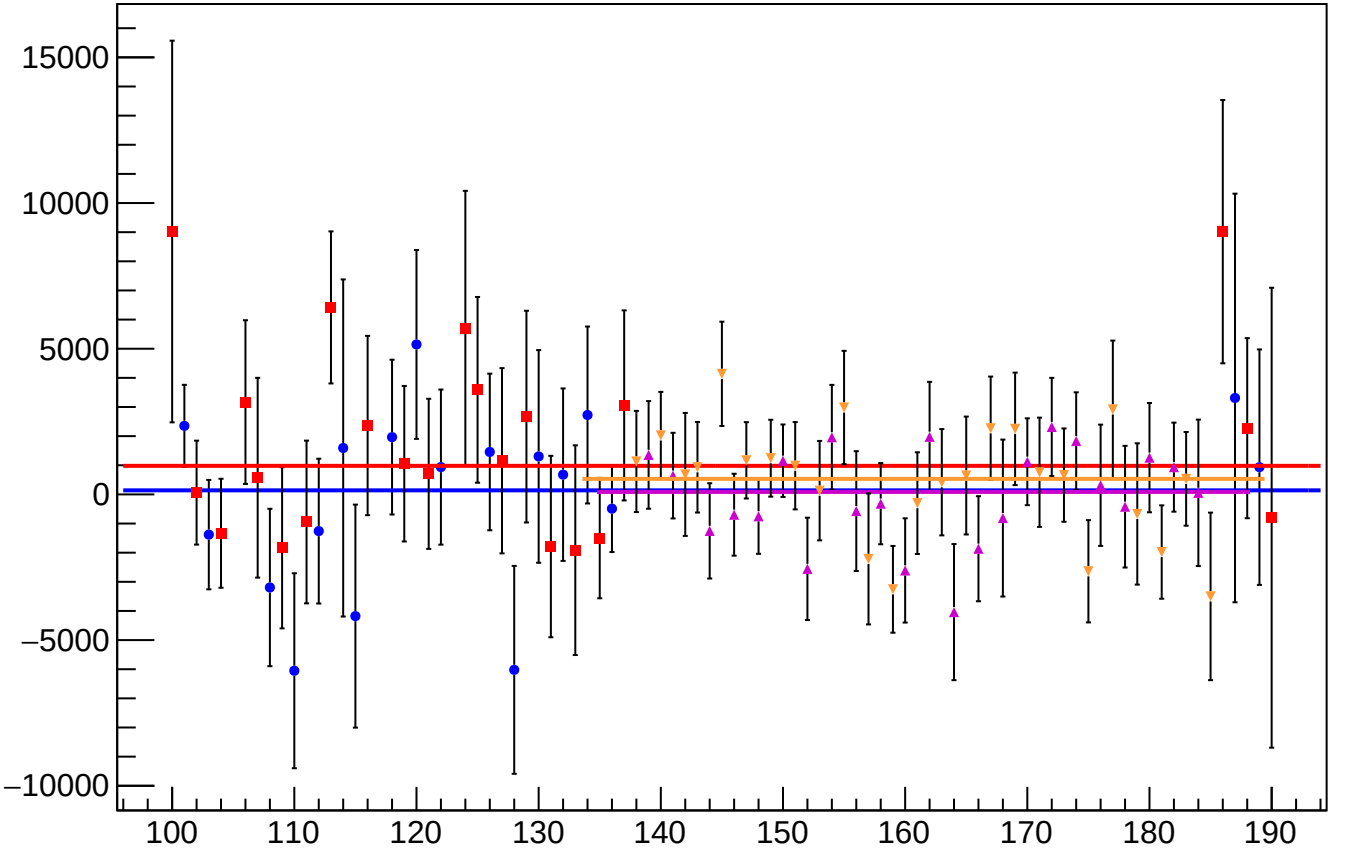
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1096.070+/-0.148 χ^2/NDF: 18385.2/42

All: 1098.667+/-0.105 χ^2/NDF: 49291.6/87

- sign 1101.269+/-0.148 χ^2/NDF: 30291.8/44

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: 980.103+/-616.104 χ^2/NDF: 18.6/21

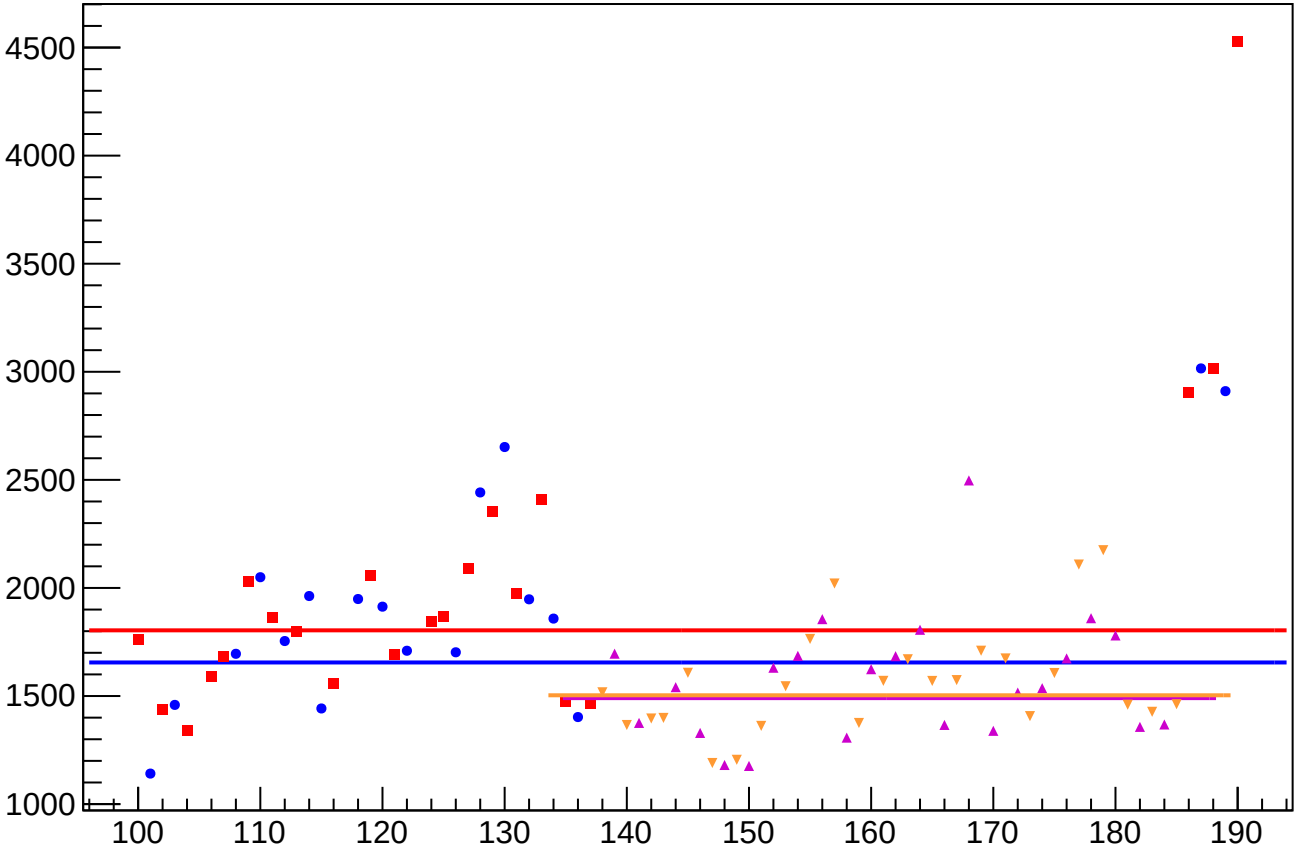
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

\+ sign 436.303+/-301.601 χ^2/NDF: 43.9/42

All: 372.948+/-215.112 χ^2/NDF: 82.2/87

\- sign 307.348+/-306.897 χ^2/NDF: 38.2/44

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: 1803.883+/-0.436 χ^2/NDF: 1133132.9/21

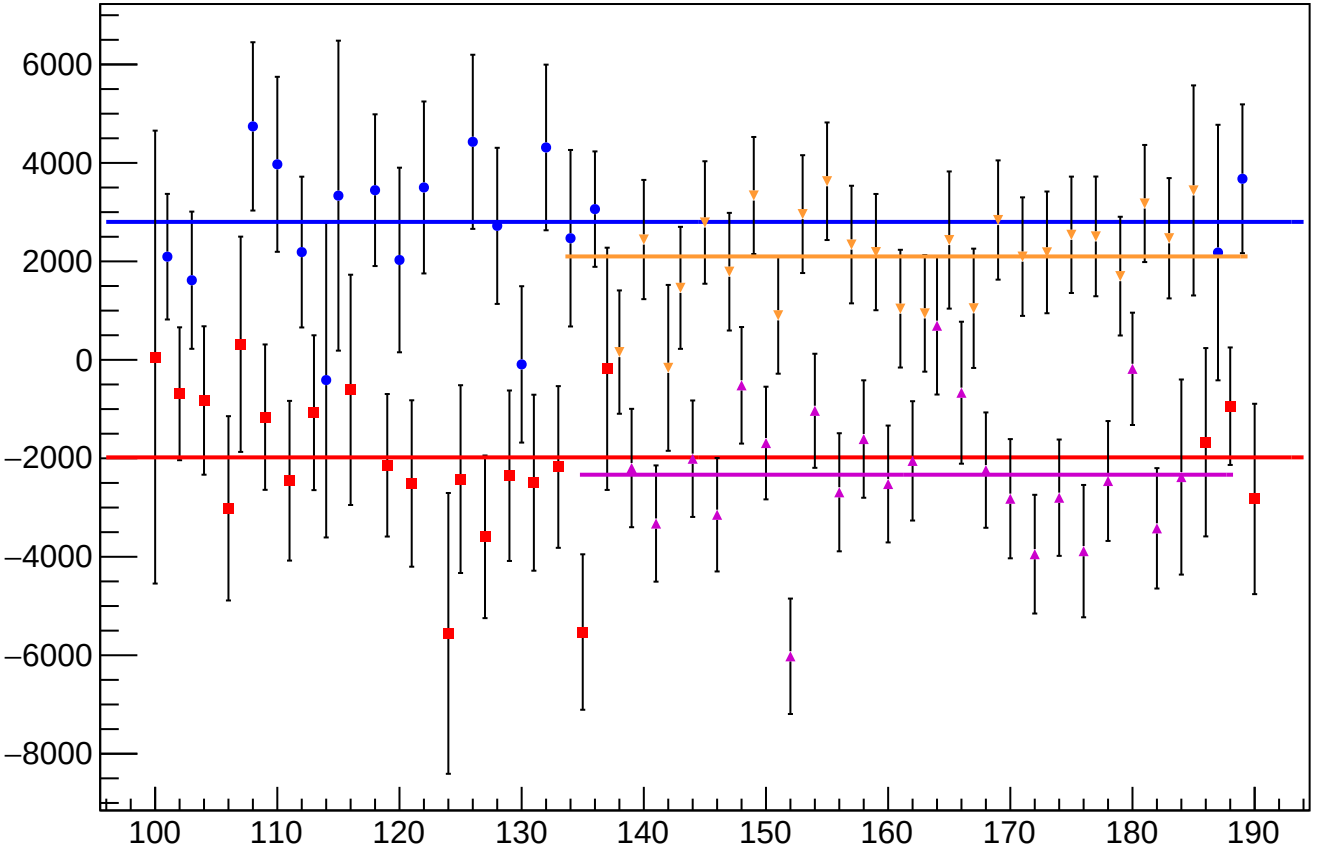
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1540.711+/-0.213 χ^2/NDF: 1863790.5/42

All: 1554.177+/-0.152 χ^2/NDF: 4362779.7/87

- sign 1568.120+/-0.217 χ^2/NDF: 2490874.1/44

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: -1980.641+/-368.202 χ^2/NDF: 13.6/21

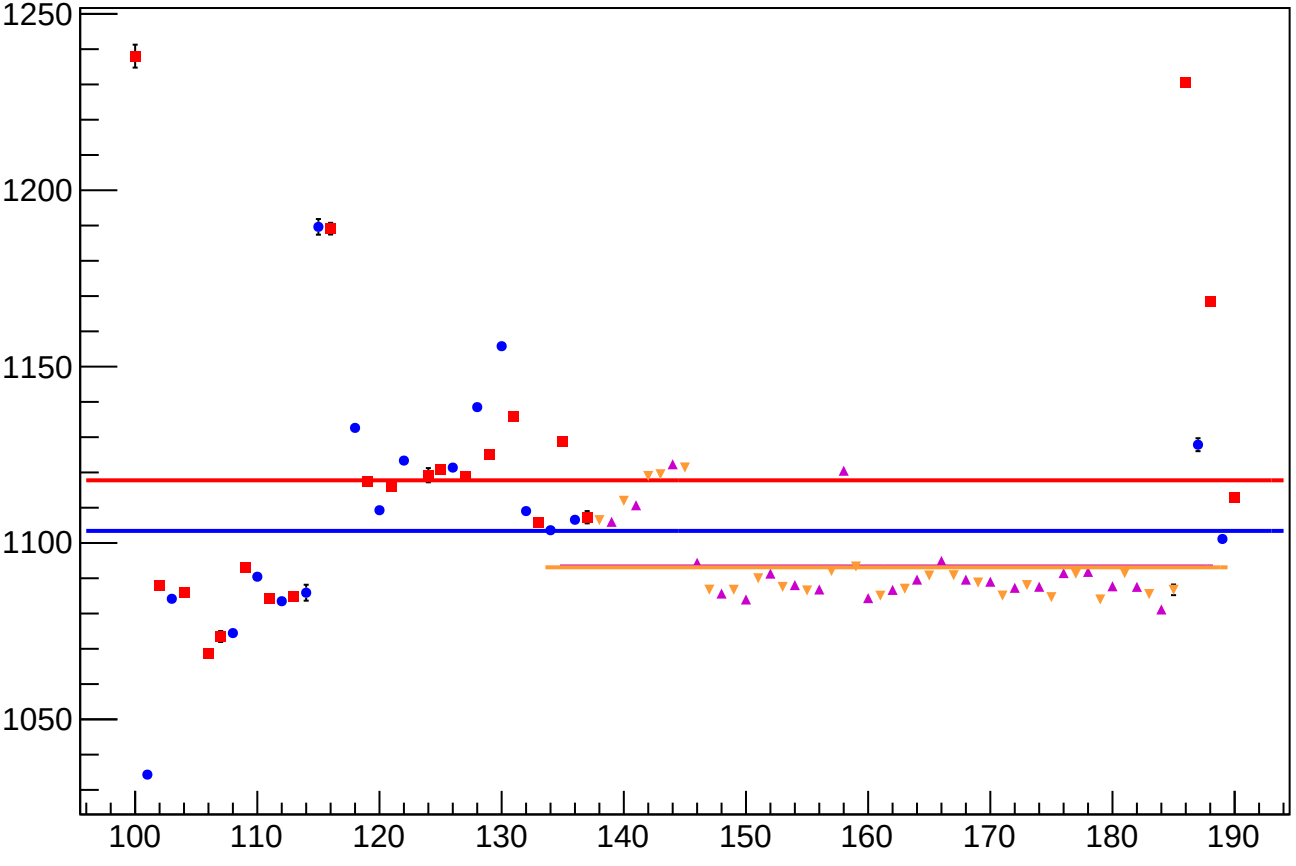
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2302.001+/-209.617 χ^2/NDF: 26.0/42

All: 43.609+/-148.284 χ^2/NDF: 302.0/87

- sign -2218.578+/-209.793 χ^2/NDF: 43.7/44

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: 1117.766+/-0.260 χ^2/NDF: 20620.8/21

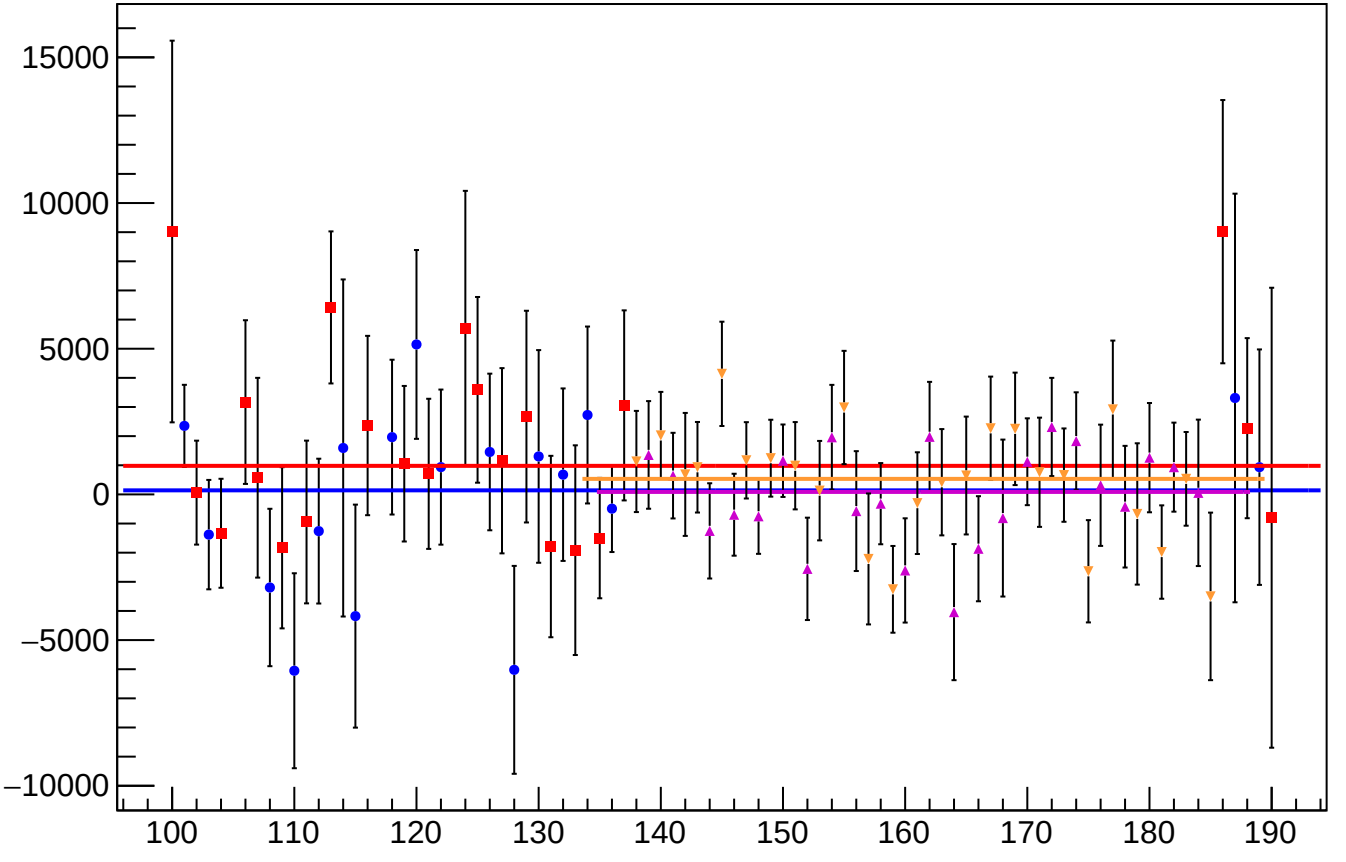
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

\+ sign 1096.070+/-0.148 χ^2/NDF: 18385.2/42

All: 1098.667+/-0.105 χ^2/NDF: 49291.6/87

\- sign 1101.269+/-0.148 χ^2/NDF: 30291.8/44

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: 980.103+/-616.104 χ^2/NDF: 18.6/21

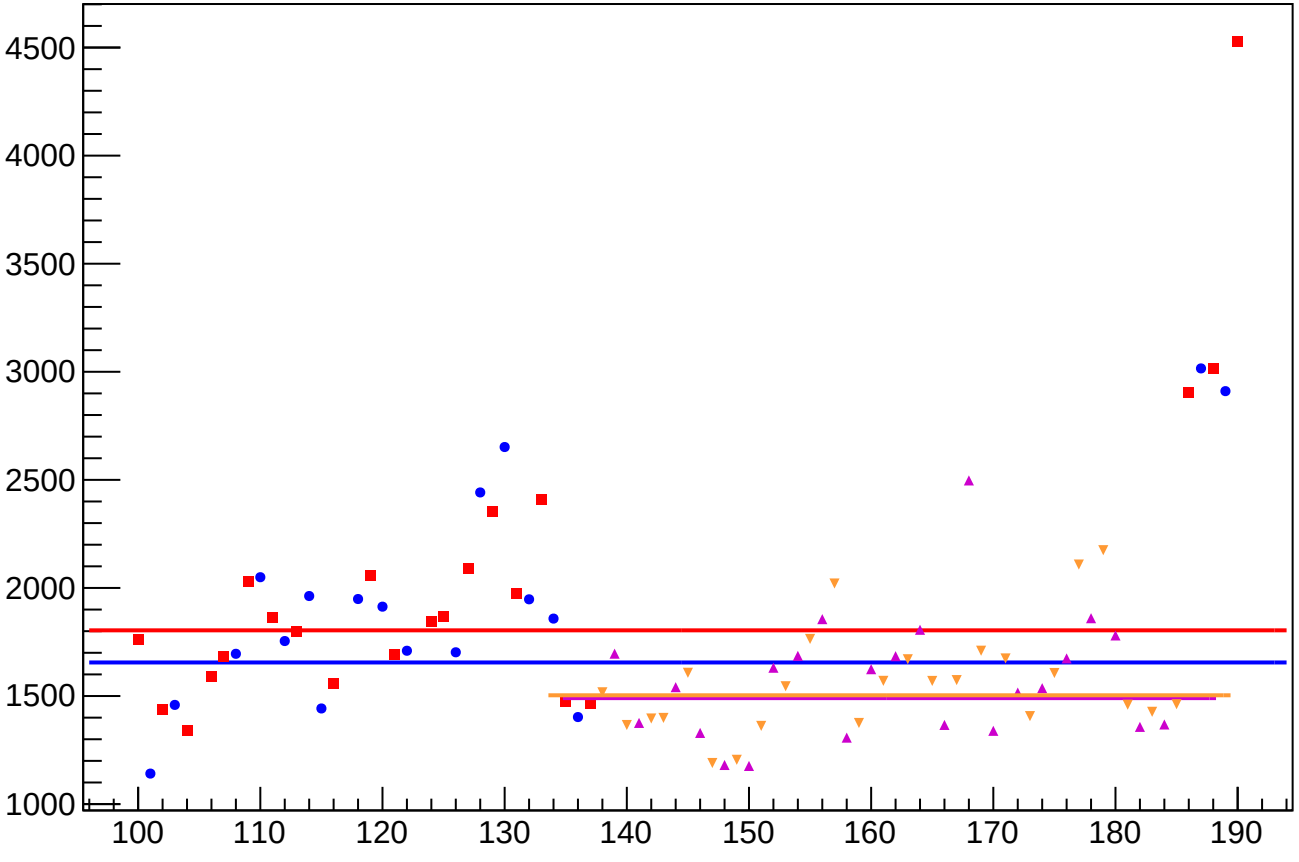
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

\+ sign 436.303+/-301.601 χ^2/NDF: 43.9/42

All: 372.948+/-215.112 χ^2/NDF: 82.2/87

\- sign 307.348+/-306.897 χ^2/NDF: 38.2/44

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: 1803.883+/-0.436 χ^2/NDF: 1133132.9/21

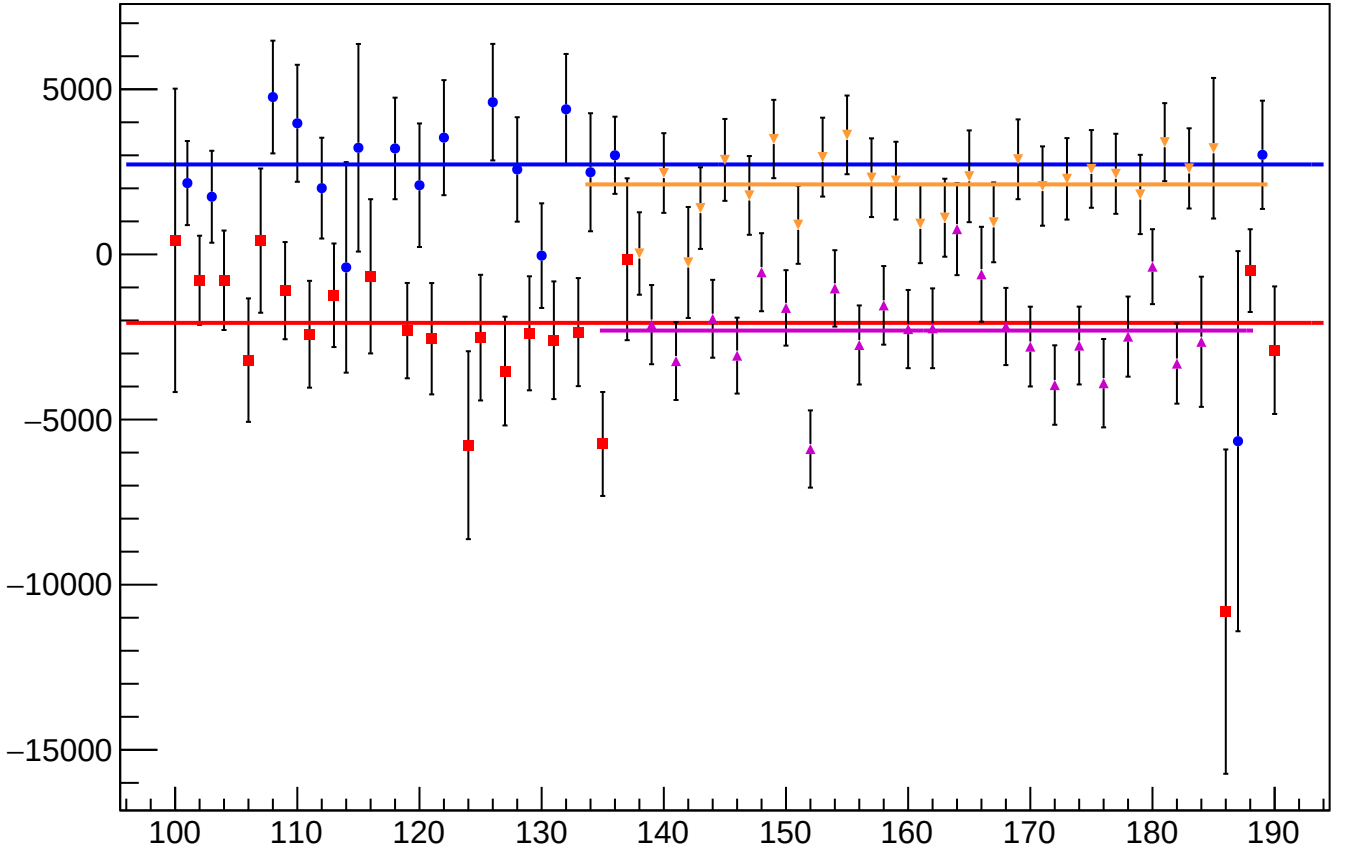
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1540.711+/-0.213 χ^2/NDF: 1863790.5/42

All: 1554.177+/-0.152 χ^2/NDF: 4362779.7/87

- sign 1568.120+/-0.217 χ^2/NDF: 2490874.1/44

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: -2072.425+/-375.012 χ^2/NDF: 18.5/21

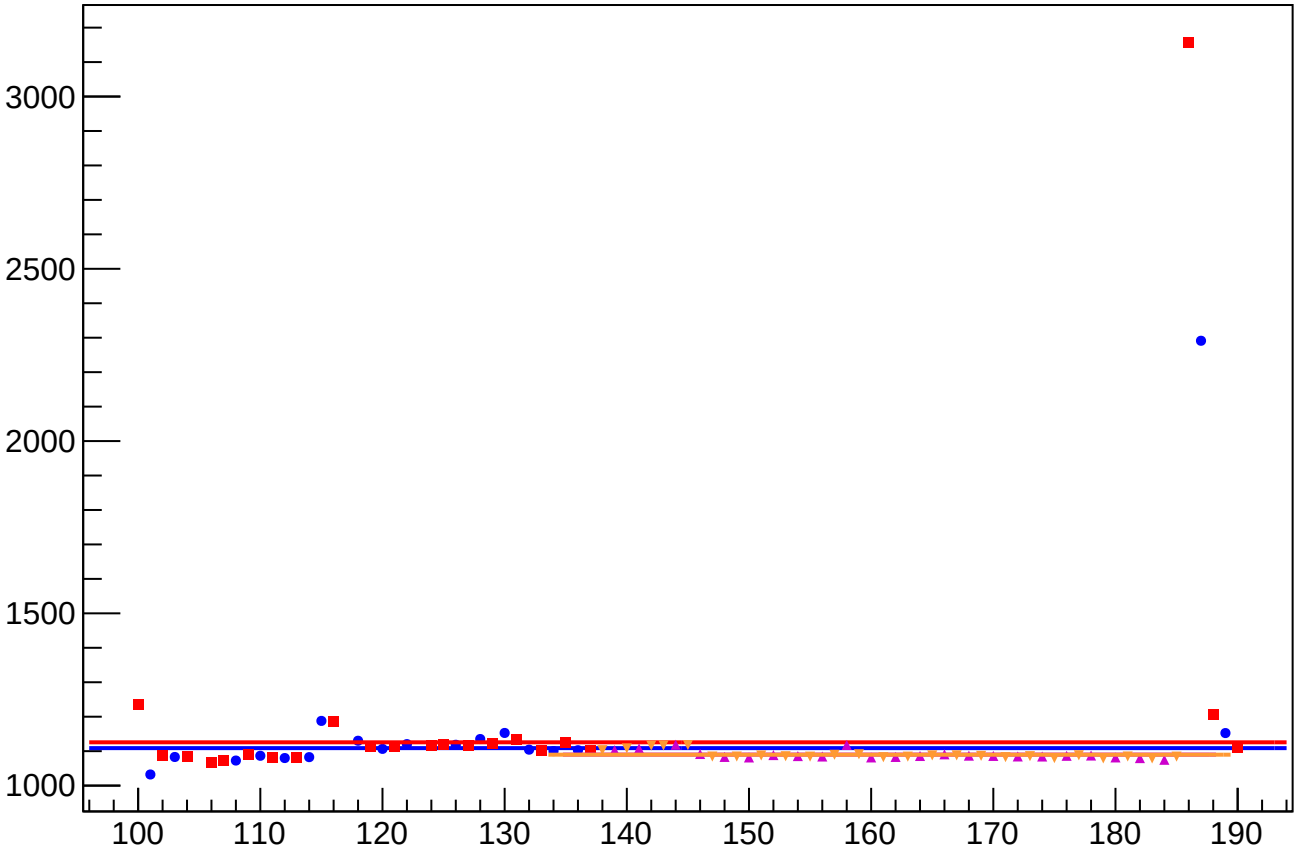
Left In: -2305.411+/-254.497 χ^2/NDF:28.5/22

+ sign 2289.842+/-209.857 χ^2/NDF: 28.5/42

All: 36.767+/-148.648 χ^2/NDF: 307.0/87

- sign -2231.945+/-210.584 χ^2/NDF: 47.3/44

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

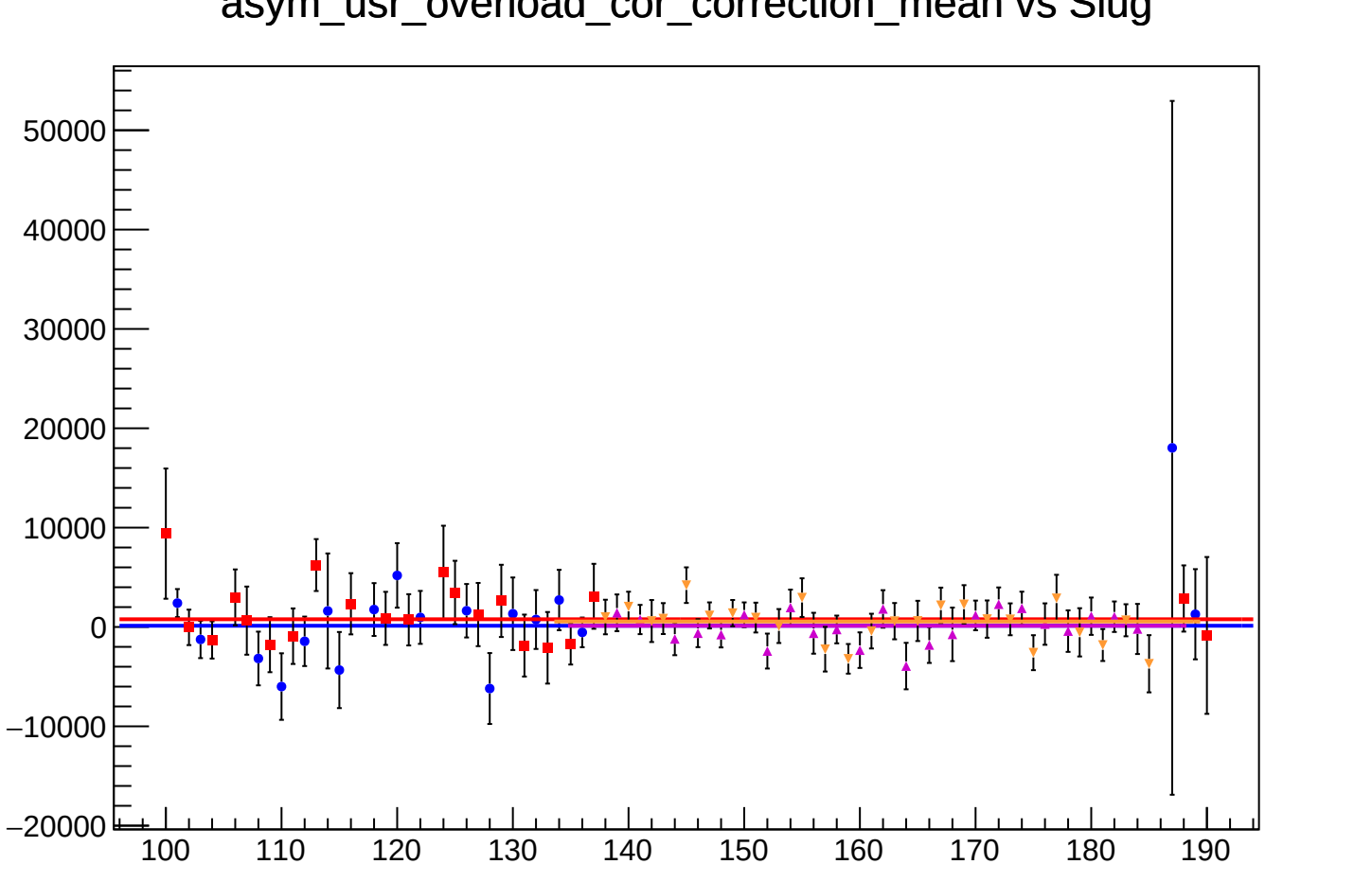
Right Out: 1125.657+/-0.265 χ^2/NDF: 364125.5/21

Left In: 1089.964+/-0.180 χ^2/NDF:3896.0/22

+ sign 1095.098+/-0.148 χ^2/NDF: 107213.7/42

All: 1098.148+/-0.105 χ^2/NDF: 488487.8/87

- sign 1101.219+/-0.149 χ^2/NDF: 380426.2/44



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: 777.181+/-624.266 χ^2/NDF: 15.4/20

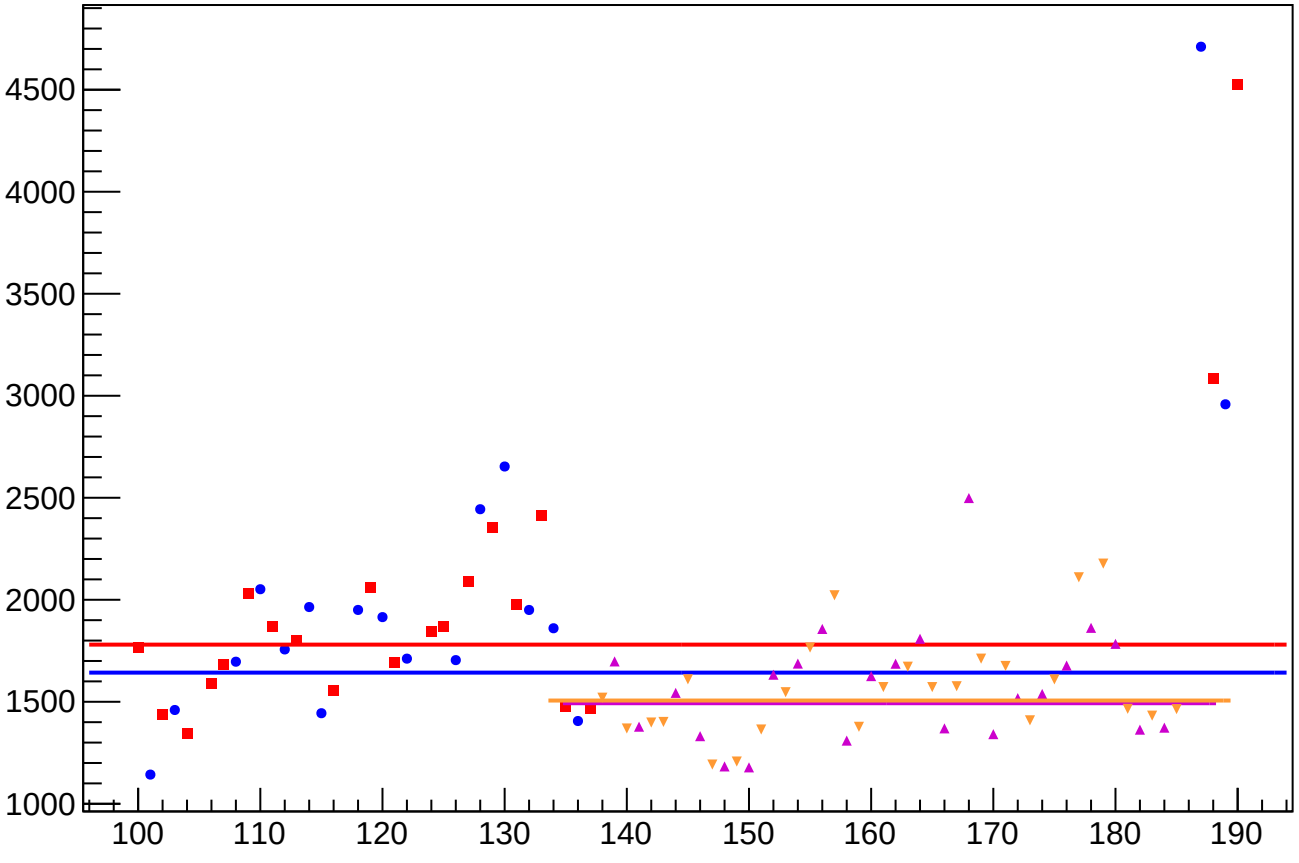
Left In: 121.420+/-354.540 χ^2/NDF:17.1/22

+ sign 449.267+/-302.523 χ^2/NDF: 44.1/42

All: 366.894+/-215.926 χ^2/NDF: 77.5/86

- sign 281.349+/-308.291 χ^2/NDF: 33.3/43

asym_usr_overload_cor_correction_rms vs Slug



Right In: 1642.905+/-0.434 χ^2/NDF: 878467.7/17

Left Out: 1506.103+/-0.246 χ^2/NDF:796401.8/24

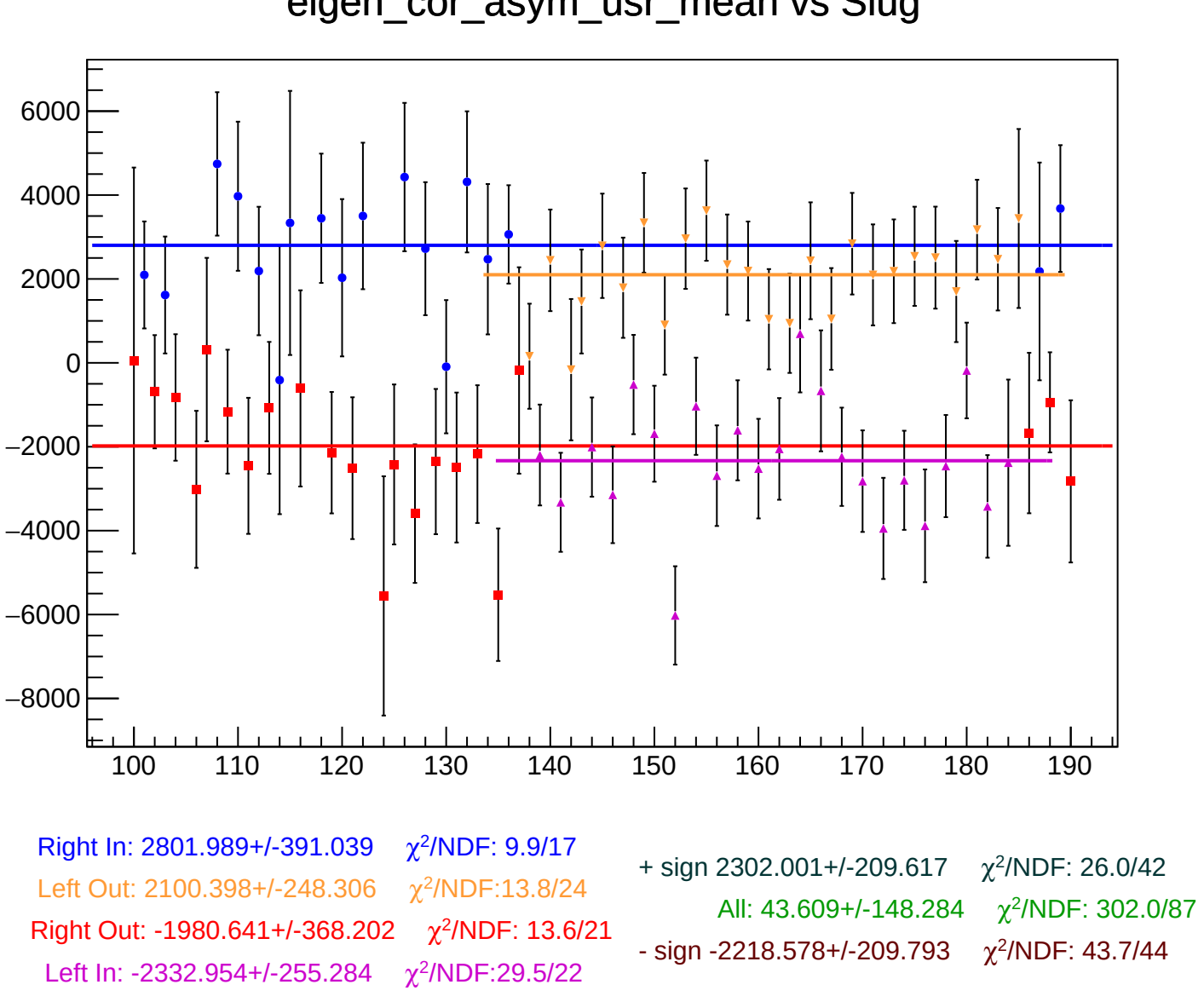
Right Out: 1780.164+/-0.441 χ^2/NDF: 997289.6/20

Left In: 1492.976+/-0.251 χ^2/NDF:964358.0/22

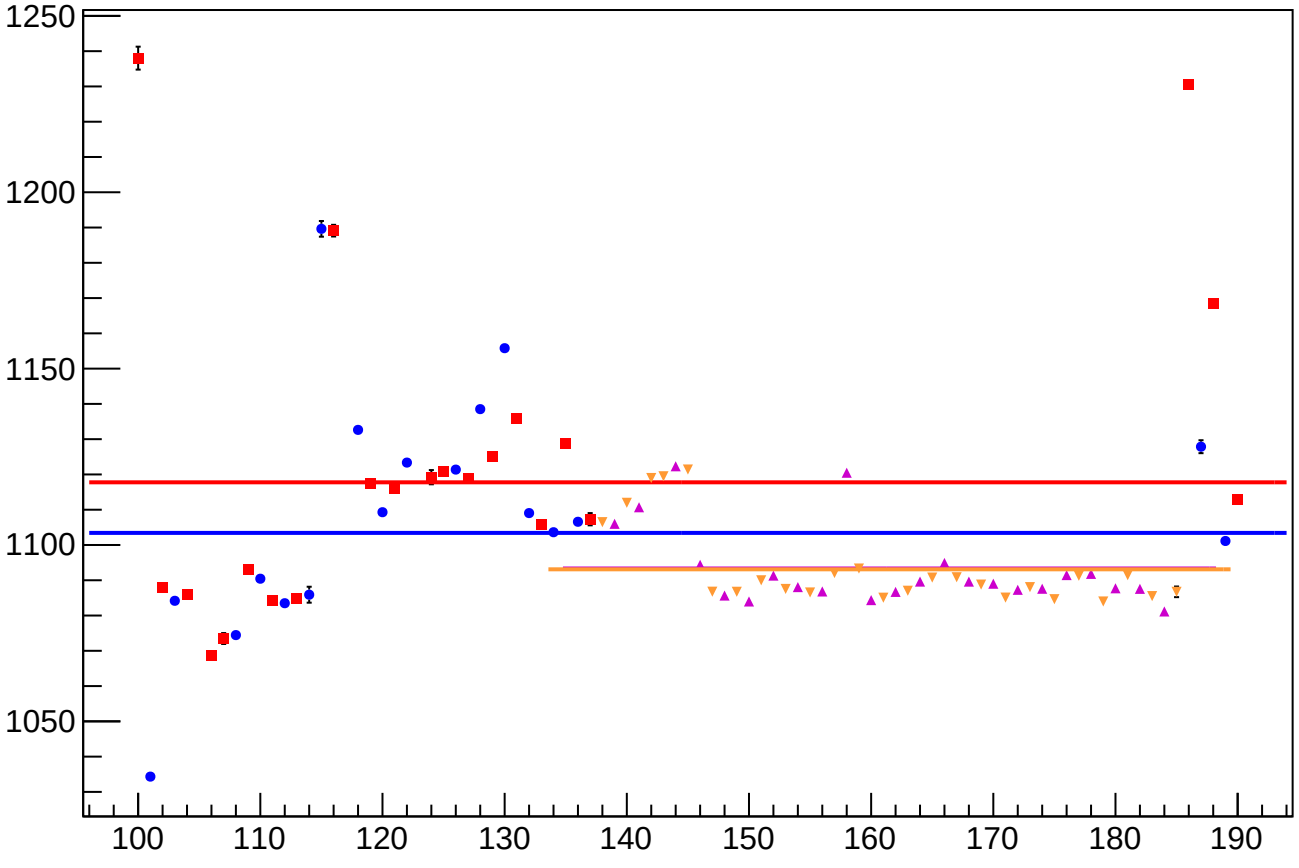
+ sign 1539.410+/-0.214 χ^2/NDF: 1750199.9/42

All: 1550.990+/-0.153 χ^2/NDF: 4037867.8/86

- sign 1563.016+/-0.218 χ^2/NDF: 2281694.0/43


eigen_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: -1980.641+/-368.202 χ²/NDF: 13.6/21
Left In: -2332.954+/-255.284 χ²/NDF:29.5/22
+ sign 2302.001+/-209.617 χ²/NDF: 26.0/42
All: 43.609+/-148.284 χ²/NDF: 302.0/87
- sign -2218.578+/-209.793 χ²/NDF: 43.7/44

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

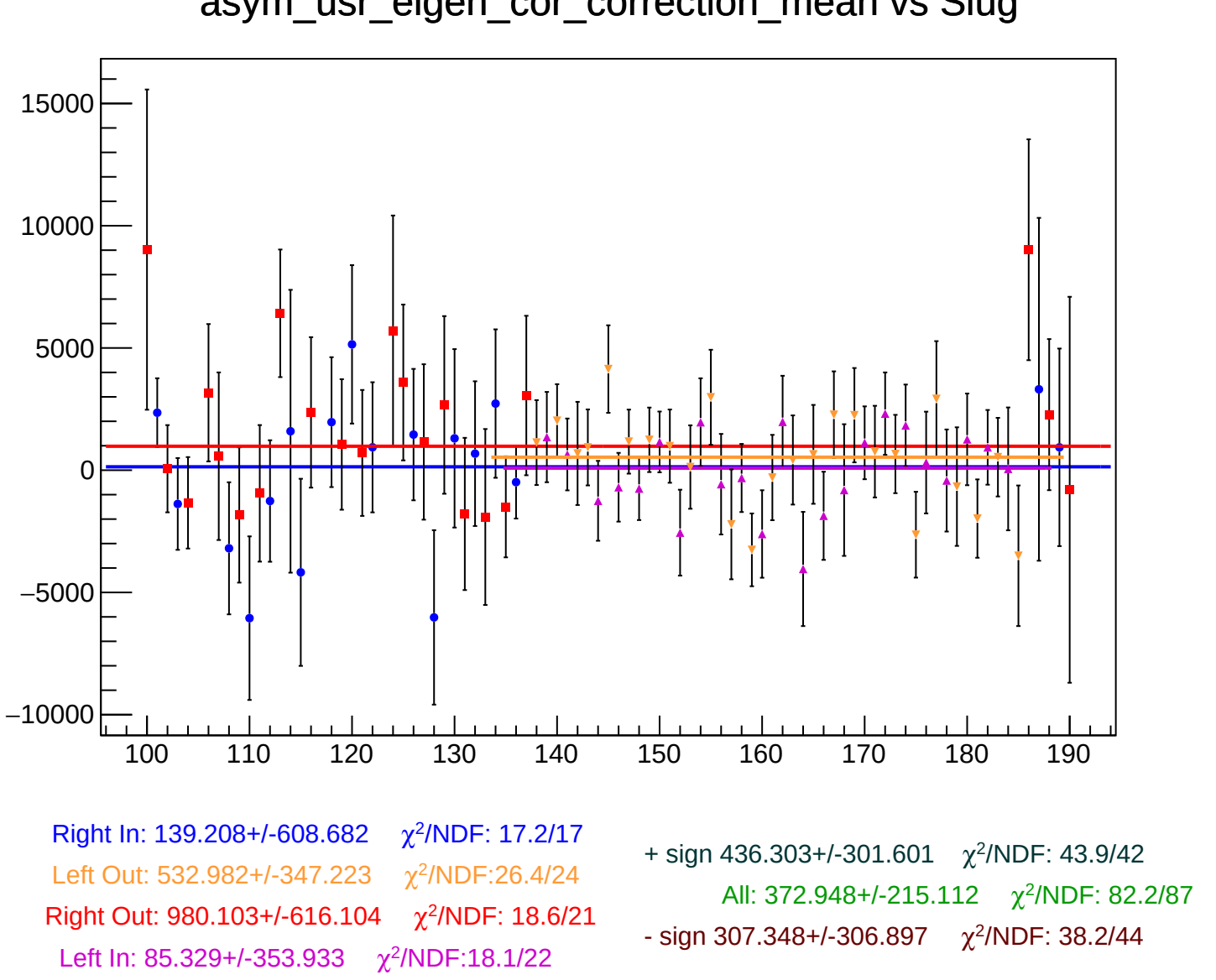
Right Out: 1117.766+/-0.260 χ^2/NDF: 20620.8/21

Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

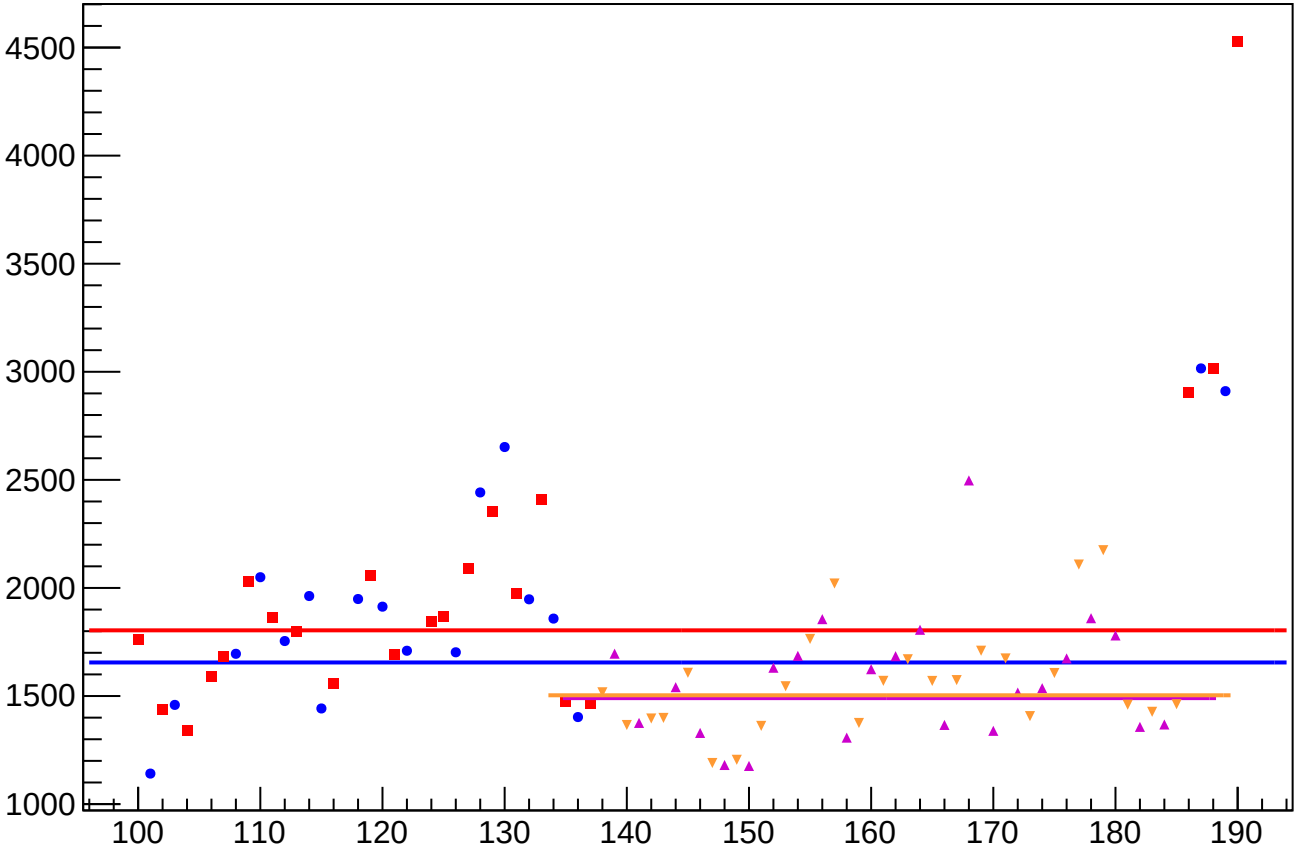
\+ sign 1096.070+/-0.148 χ^2/NDF: 18385.2/42

All: 1098.667+/-0.105 χ^2/NDF: 49291.6/87

\- sign 1101.269+/-0.148 χ^2/NDF: 30291.8/44


asym_usr_eigen_cor_correction_mean vs Slug
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: 139.208+/-608.682 χ²/NDF: 17.2/17
Left Out: 532.982+/-347.223 χ²/NDF:26.4/24
Right Out: 980.103+/-616.104 χ²/NDF: 18.6/21
Left In: 85.329+/-353.933 χ²/NDF:18.1/22
+ sign 436.303+/-301.601 χ²/NDF: 43.9/42
All: 372.948+/-215.112 χ²/NDF: 82.2/87
- sign 307.348+/-306.897 χ²/NDF: 38.2/44

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: 1803.883+/-0.436 χ^2/NDF: 1133132.9/21

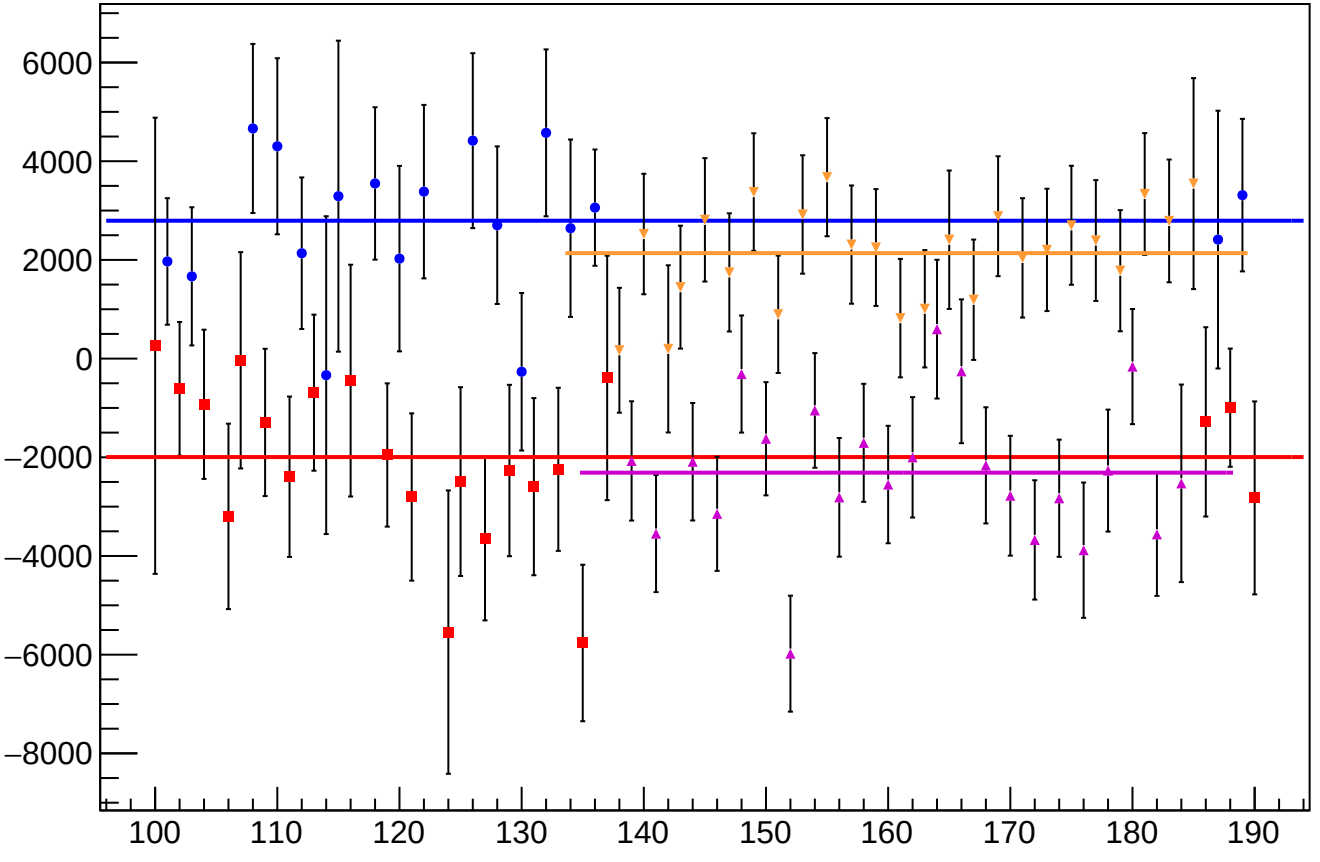
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1540.711+/-0.213 χ^2/NDF: 1863790.5/42

All: 1554.177+/-0.152 χ^2/NDF: 4362779.7/87

- sign 1568.120+/-0.217 χ^2/NDF: 2490874.1/44

dit_asym_usr_mean vs Slug



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: -1995.387+/-369.885 χ^2/NDF: 14.4/21

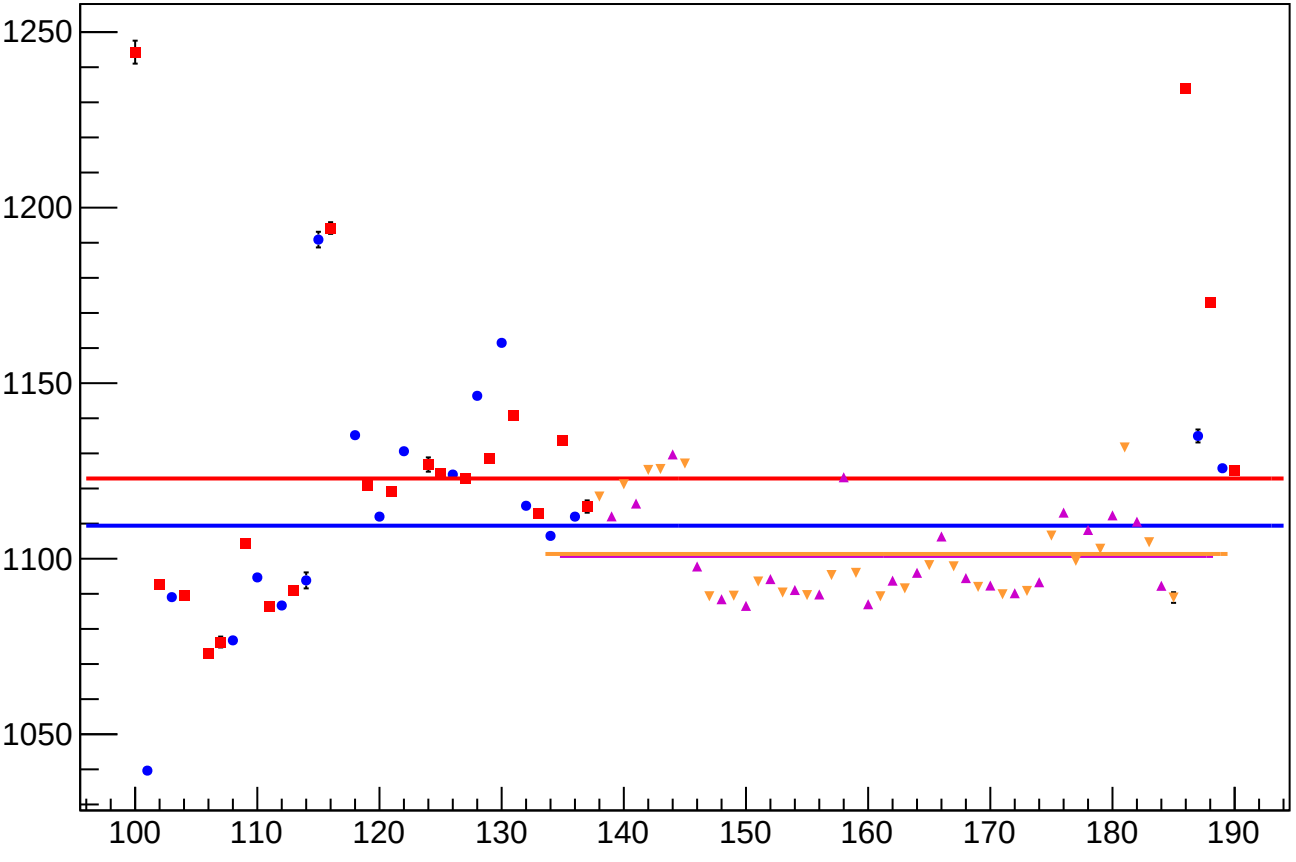
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

+ sign 2326.478+/-211.081 χ^2/NDF: 26.4/42

All: 58.811+/-149.255 χ^2/NDF: 302.1/87

- sign -2208.736+/-211.076 χ^2/NDF: 44.9/44

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: 1122.849+/-0.262 χ^2/NDF: 20298.5/21

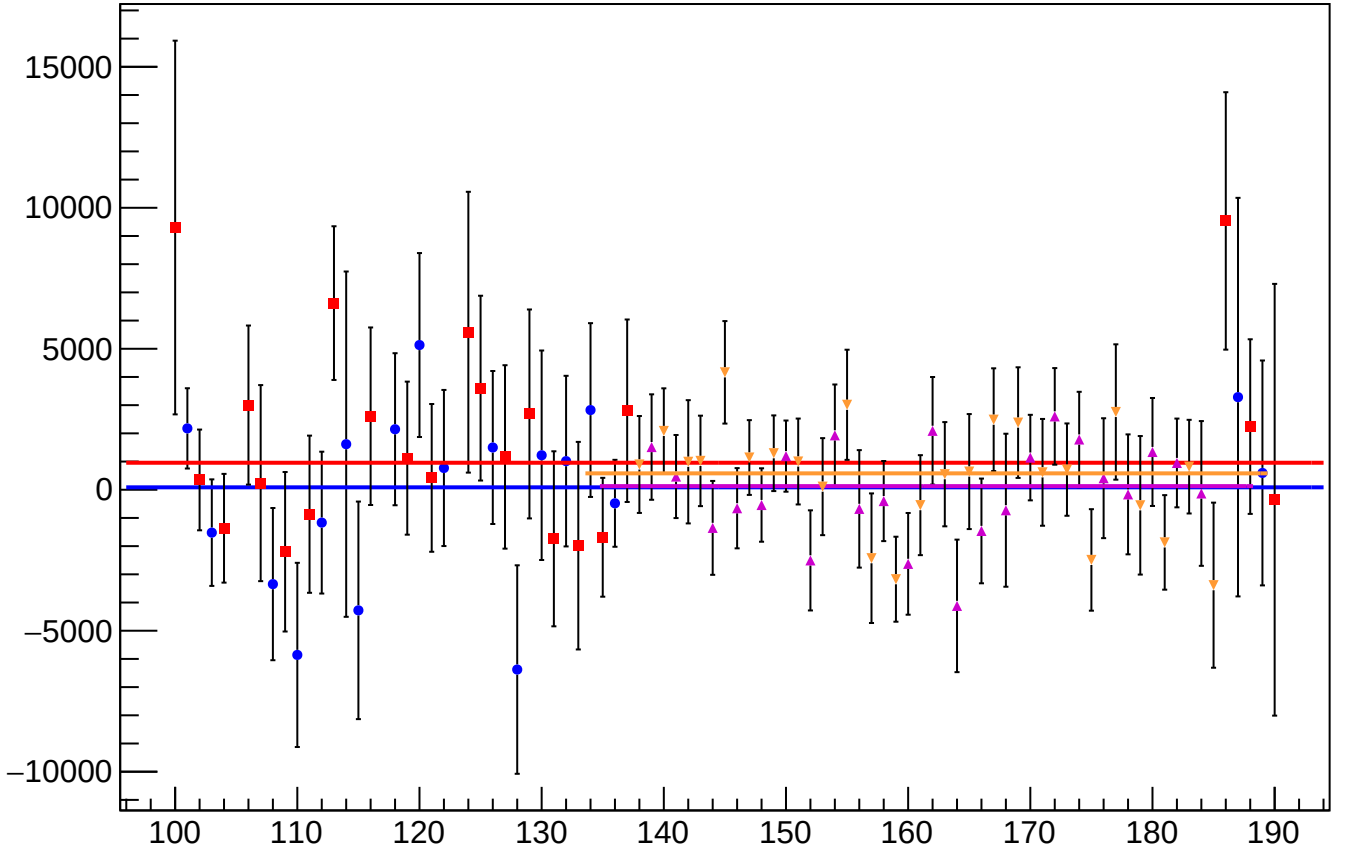
Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

+ sign 1103.675+/-0.149 χ^2/NDF: 20222.5/42

All: 1105.825+/-0.106 χ^2/NDF: 50373.4/87

- sign 1107.975+/-0.149 χ^2/NDF: 29735.9/44

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: 957.618+/-625.939 χ^2/NDF: 18.8/21

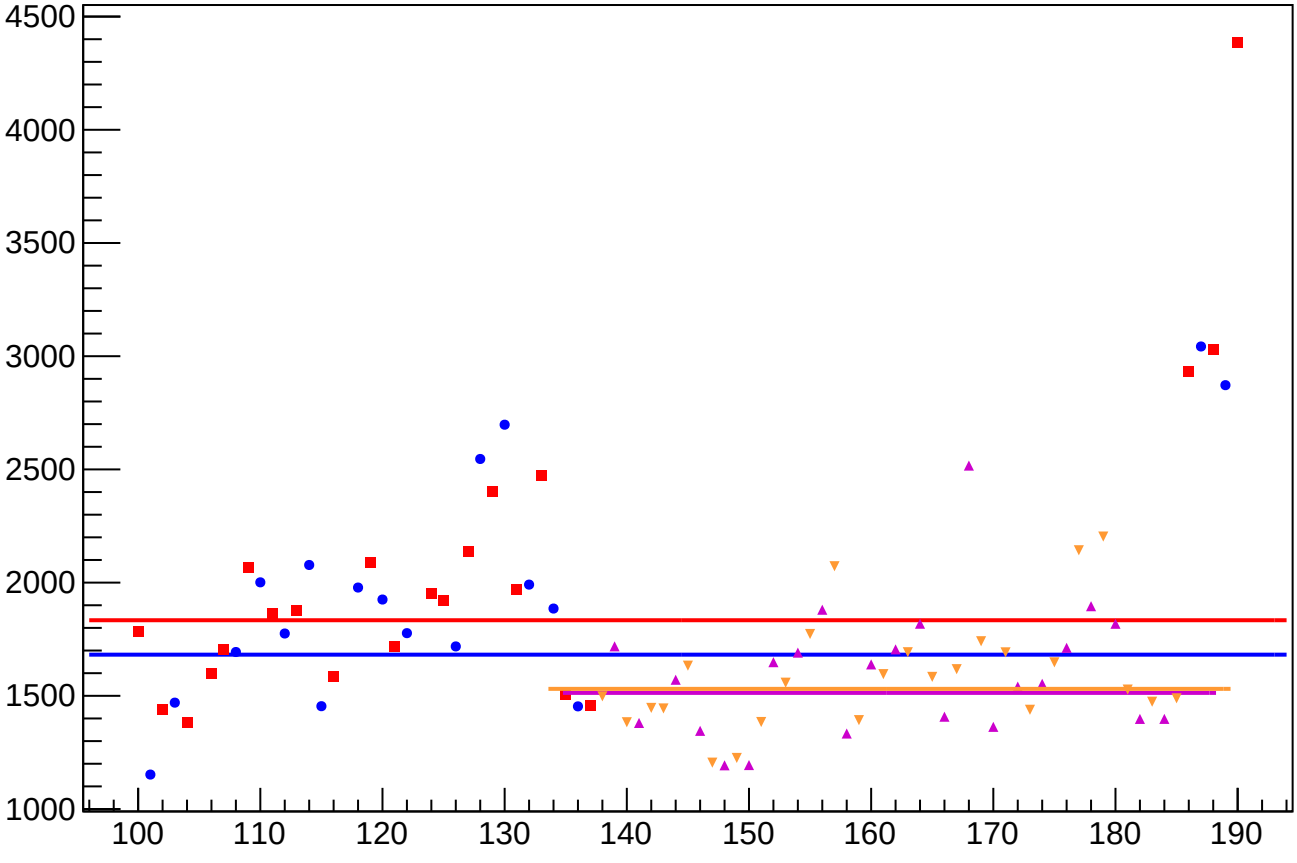
Left In: 128.769+/-359.128 χ^2/NDF:17.9/22

\+ sign 459.292+/-306.779 χ^2/NDF: 43.0/42

All: 397.622+/-218.576 χ^2/NDF: 81.0/87

\- sign 334.040+/-311.500 χ^2/NDF: 38.0/44

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: 1833.836+/-0.443 χ^2/NDF: 1114332.7/21

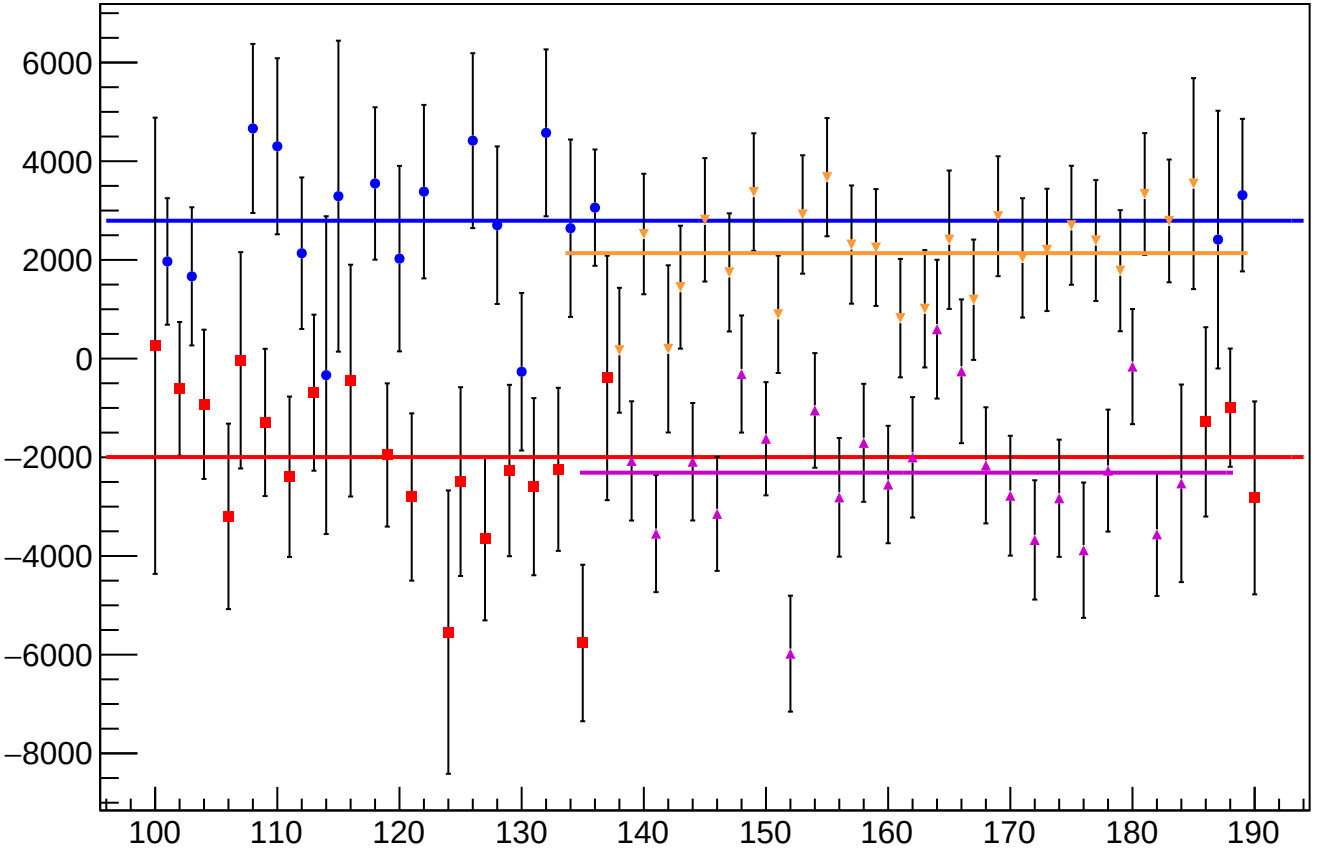
Left In: 1512.947+/-0.254 χ^2/NDF:957059.5/22

+ sign 1567.979+/-0.217 χ^2/NDF: 1847519.2/42

All: 1580.012+/-0.155 χ^2/NDF: 4320609.4/87

- sign 1592.417+/-0.220 χ^2/NDF: 2466841.4/44

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: -1995.387+/-369.885 χ^2/NDF: 14.4/21

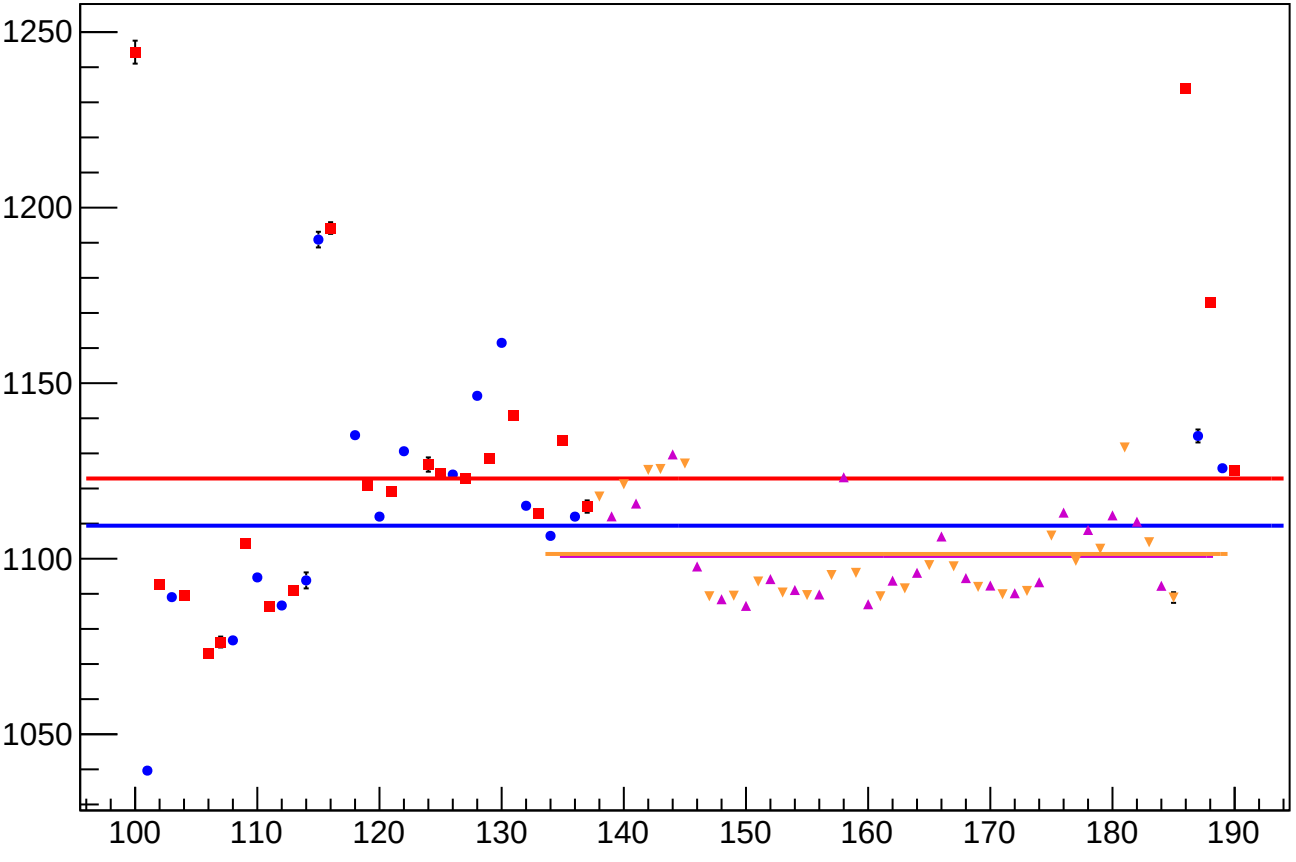
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

+ sign 2326.476+/-211.081 χ^2/NDF: 26.4/42

All: 58.810+/-149.255 χ^2/NDF: 302.1/87

- sign -2208.736+/-211.076 χ^2/NDF: 44.9/44

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

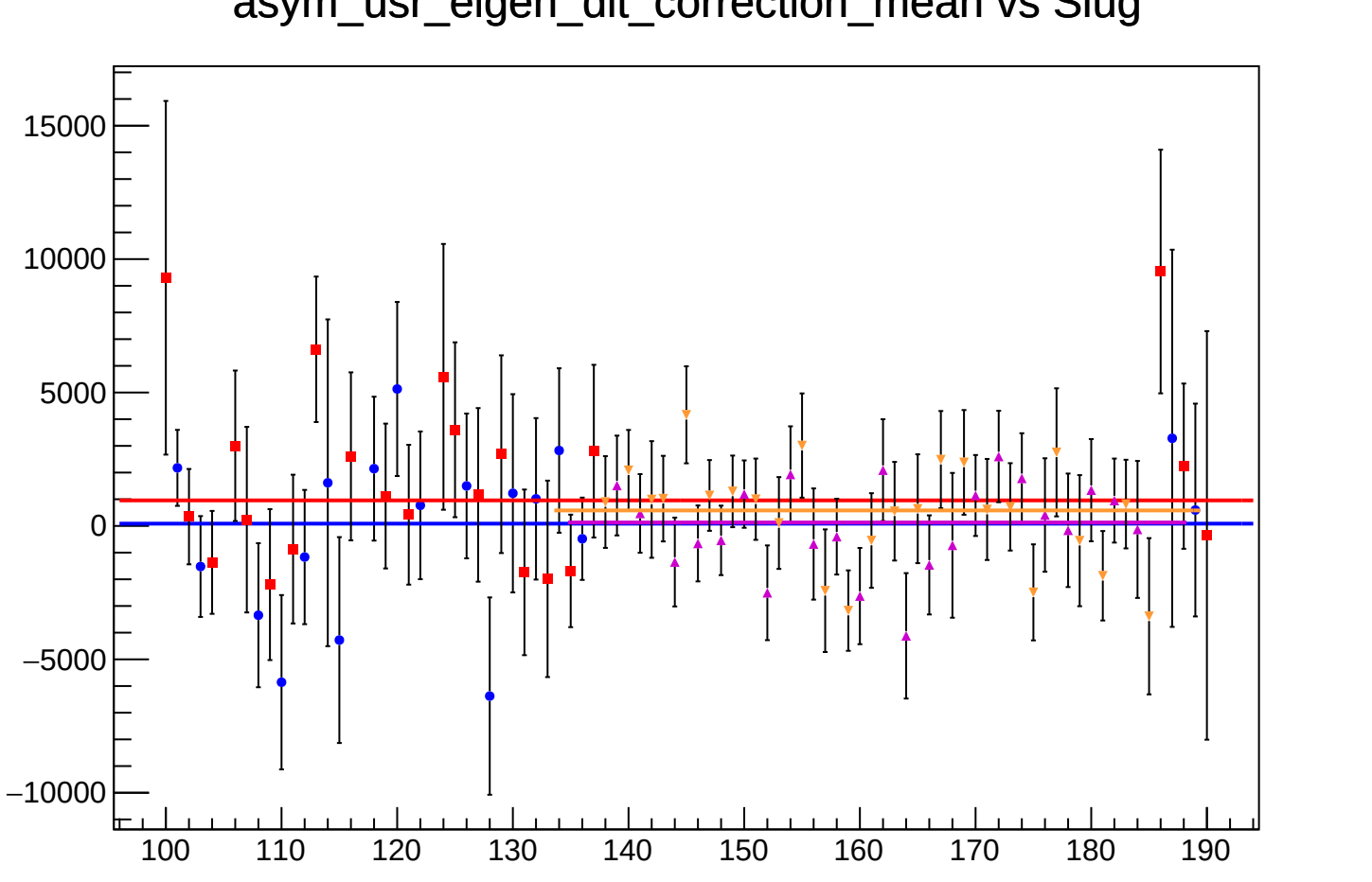
Right Out: 1122.849+/-0.262 χ^2/NDF: 20298.5/21

Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

+ sign 1103.675+/-0.149 χ^2/NDF: 20222.3/42

All: 1105.825+/-0.106 χ^2/NDF: 50373.2/87

- sign 1107.975+/-0.149 χ^2/NDF: 29735.8/44



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: 957.621+/-625.938 χ^2/NDF: 18.8/21

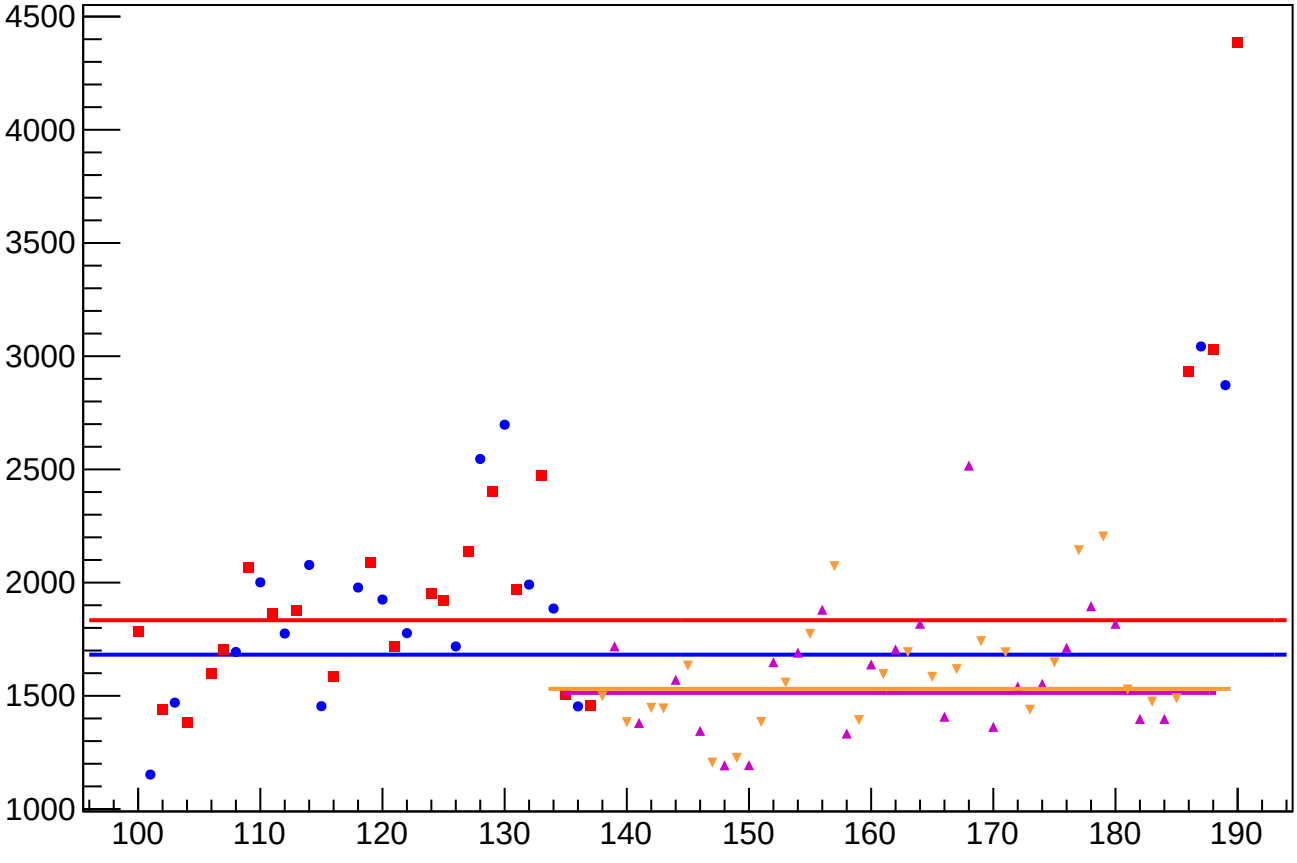
Left In: 128.769+/-359.129 χ^2/NDF:17.9/22

\+ sign 459.290+/-306.780 χ^2/NDF: 43.0/42

All: 397.622+/-218.576 χ^2/NDF: 81.0/87

\- sign 334.042+/-311.500 χ^2/NDF: 38.0/44

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

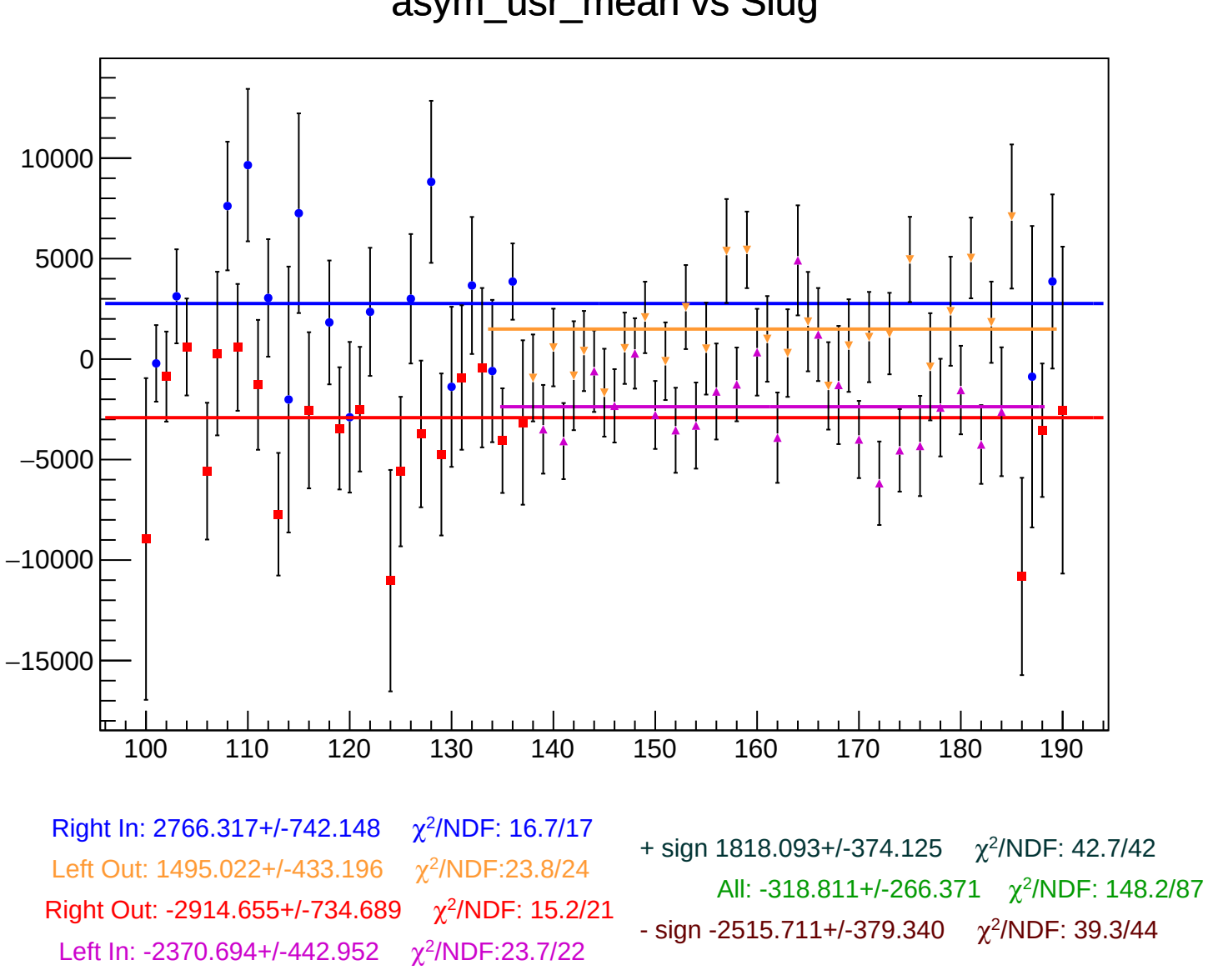
Right Out: 1833.834+/-0.443 χ^2/NDF: 1114319.0/21

Left In: 1512.951+/-0.254 χ^2/NDF:957065.2/22

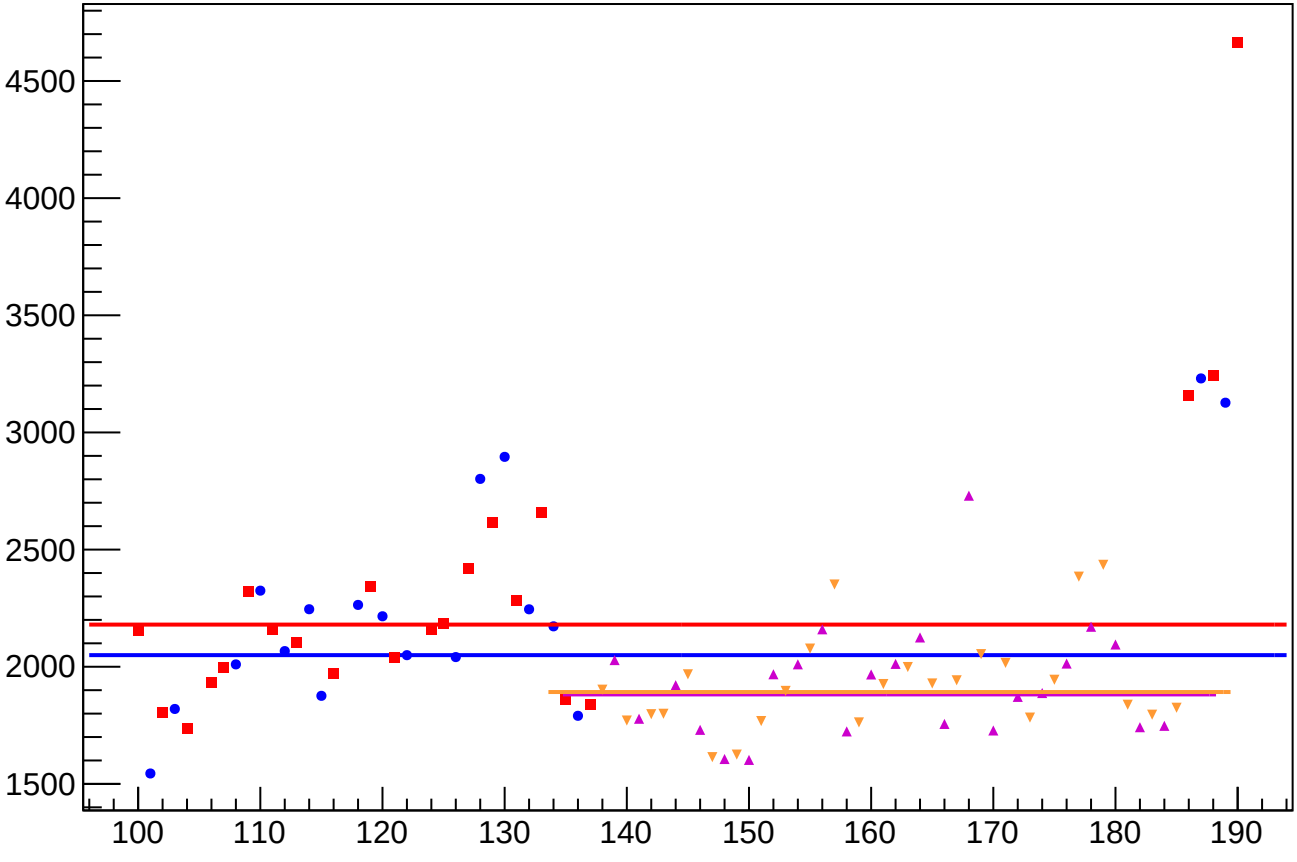
+ sign 1567.982+/-0.217 χ^2/NDF: 1847503.9/42

All: 1580.014+/-0.155 χ^2/NDF: 4320573.6/87

- sign 1592.420+/-0.220 χ^2/NDF: 2466820.8/44


asym_usr_mean vs Slug
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
190
Right In: 2766.317+/-742.148 χ²/NDF: 16.7/17
Left Out: 1495.022+/-433.196 χ²/NDF:23.8/24
Right Out: -2914.655+/-734.689 χ²/NDF: 15.2/21
Left In: -2370.694+/-442.952 χ²/NDF:23.7/22
+ sign 1818.093+/-374.125 χ²/NDF: 42.7/42
All: -318.811+/-266.371 χ²/NDF: 148.2/87
- sign -2515.711+/-379.340 χ²/NDF: 39.3/44

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: 2179.909+/-0.520 χ^2/NDF: 737910.4/21

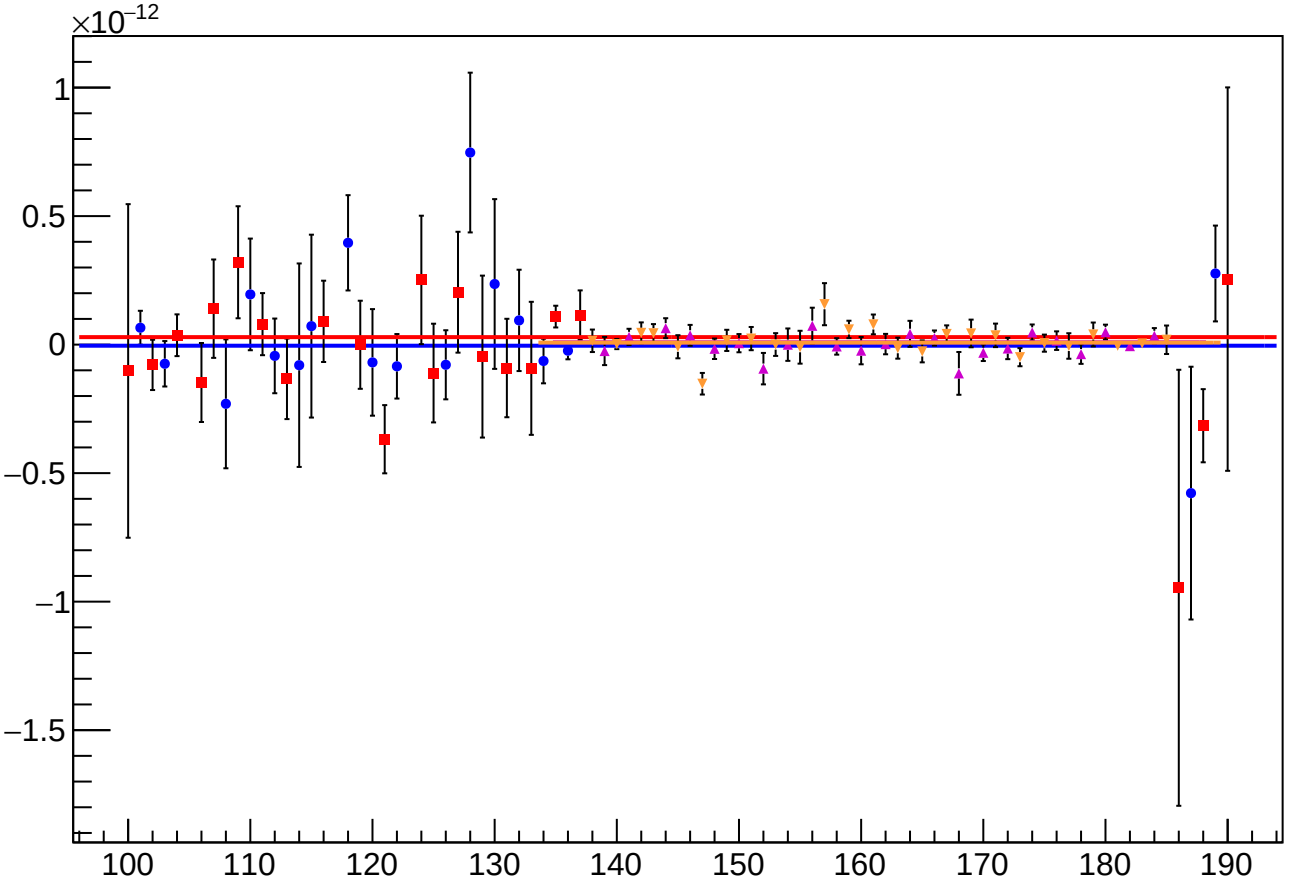
Left In: 1881.892+/-0.313 χ^2/NDF:462659.6/22

+ sign 1932.129+/-0.265 χ^2/NDF: 1024665.3/42

All: 1946.533+/-0.188 χ^2/NDF: 2472598.4/87

- sign 1961.341+/-0.268 χ^2/NDF: 1441921.0/44

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

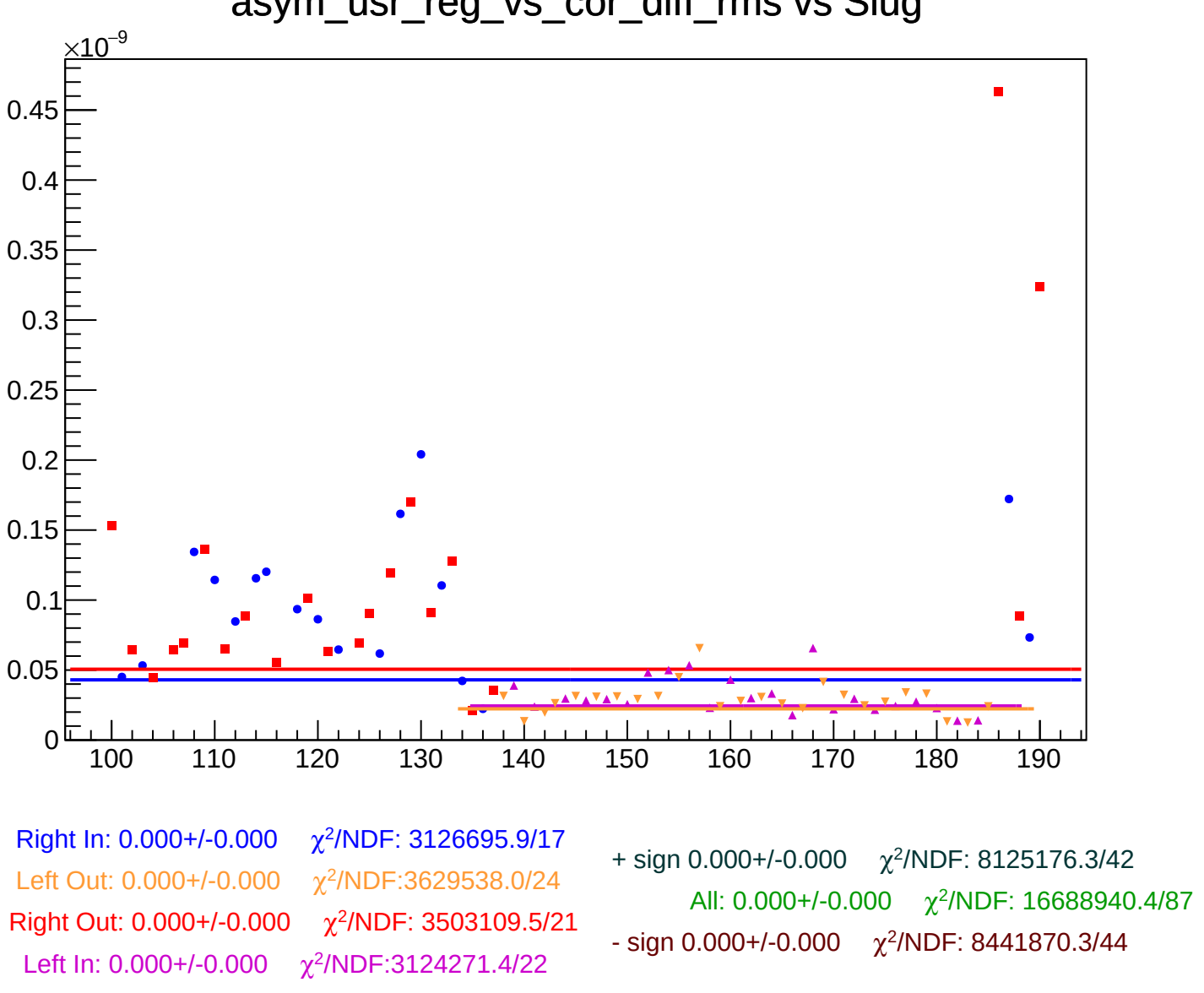
Right Out: 0.000+/-0.000 χ^2/NDF: 29.3/21

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

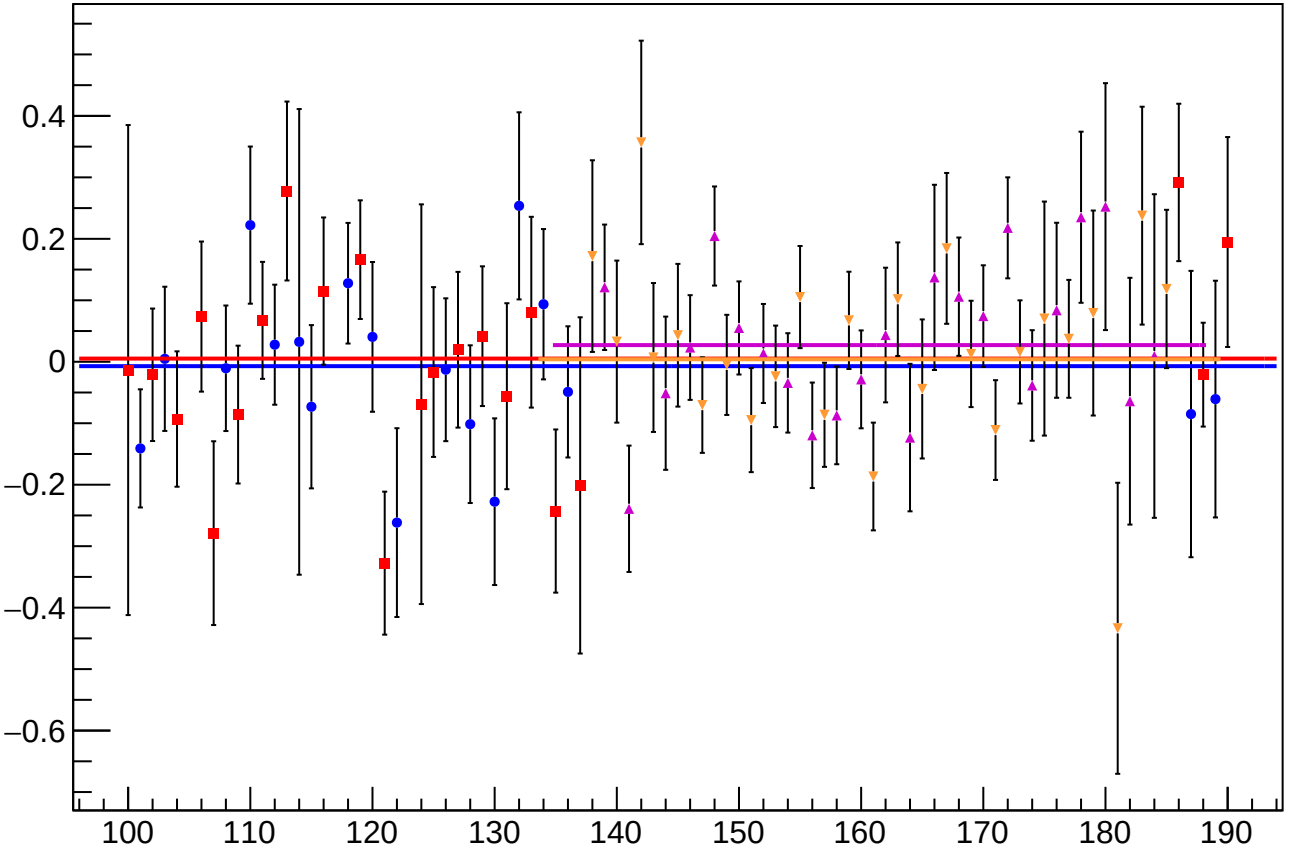
+ sign 0.000+/-0.000 χ^2/NDF: 52.7/42

All: 0.000+/-0.000 χ^2/NDF: 101.7/87

- sign 0.000+/-0.000 χ^2/NDF: 48.9/44


asym_usr_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: 3126695.9/17
Left Out: 0.000+/-0.000 χ²/NDF:3629538.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 3503109.5/21
Left In: 0.000+/-0.000 χ²/NDF:3124271.4/22
+ sign 0.000+/-0.000 χ²/NDF: 8125176.3/42
All: 0.000+/-0.000 χ²/NDF: 16688940.4/87
- sign 0.000+/-0.000 χ²/NDF: 8441870.3/44

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

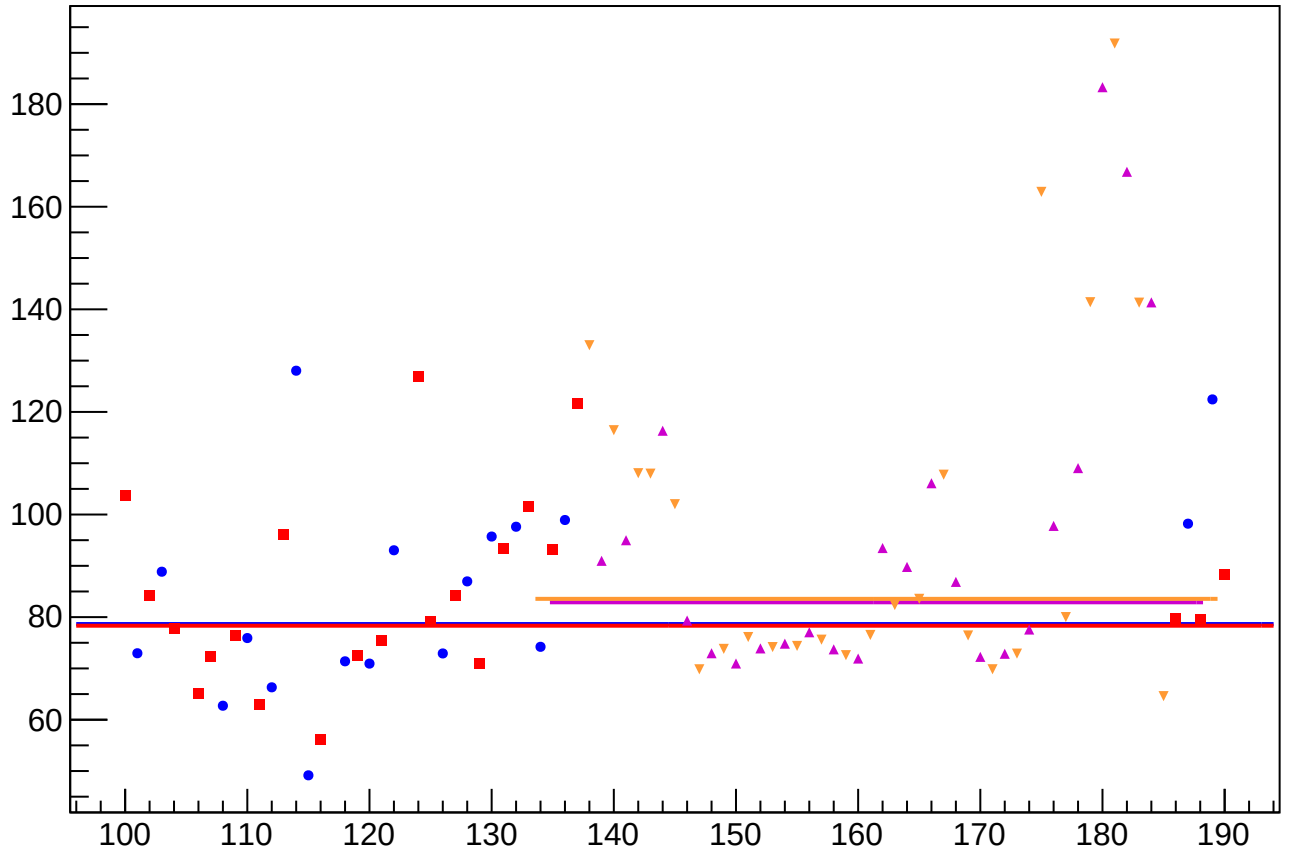
Right Out: 0.005+/-0.027 χ^2/NDF: 32.2/21

Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.000+/-0.017 χ^2/NDF: 45.8/42

All: 0.010+/-0.012 χ^2/NDF: 110.9/87

- sign 0.019+/-0.016 χ^2/NDF: 64.5/44



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: 78.329+/-0.019 χ^2/NDF: 404572.0/21

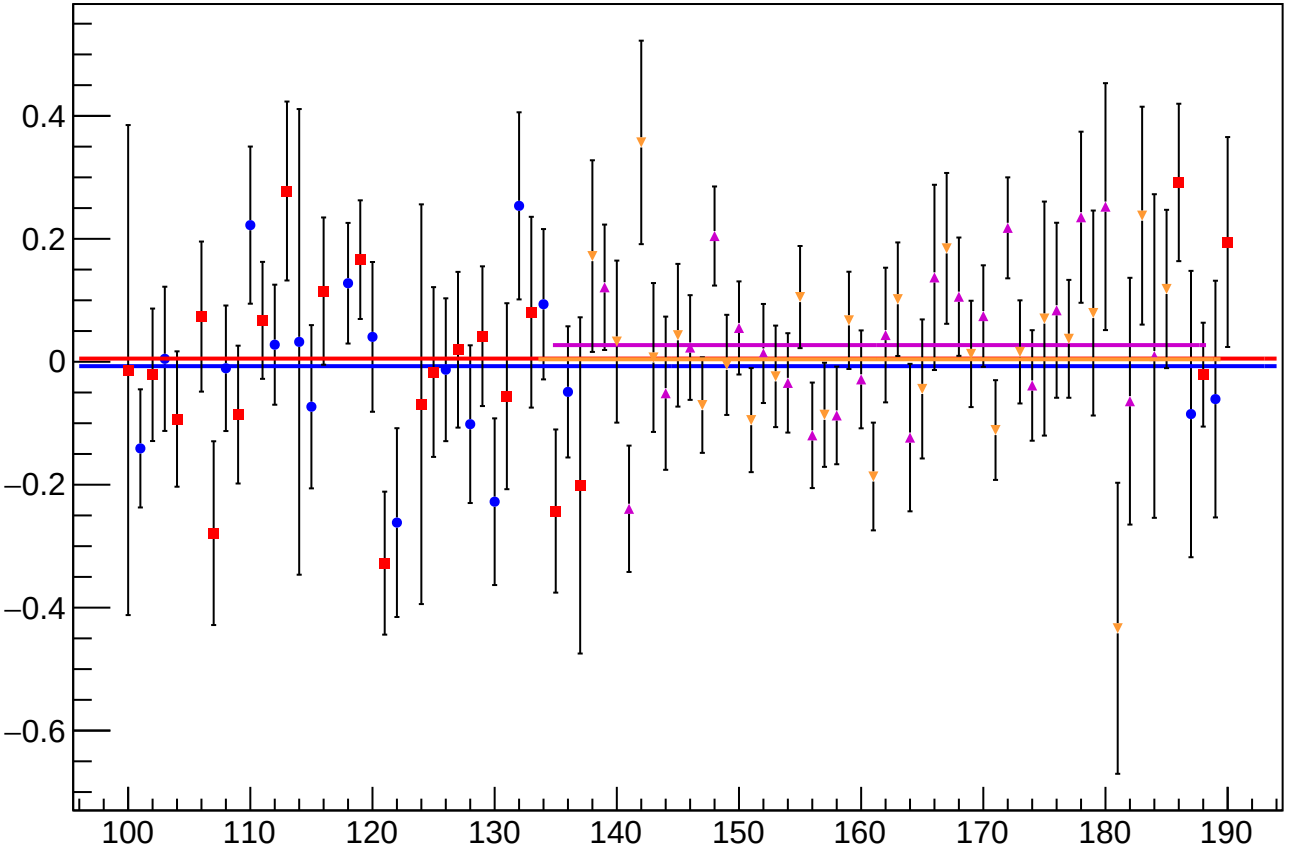
Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

+ sign 81.982+/-0.012 χ^2/NDF: 2751792.7/42

All: 81.593+/-0.008 χ^2/NDF: 4767553.8/87

- sign 81.221+/-0.012 χ^2/NDF: 2013646.3/44

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

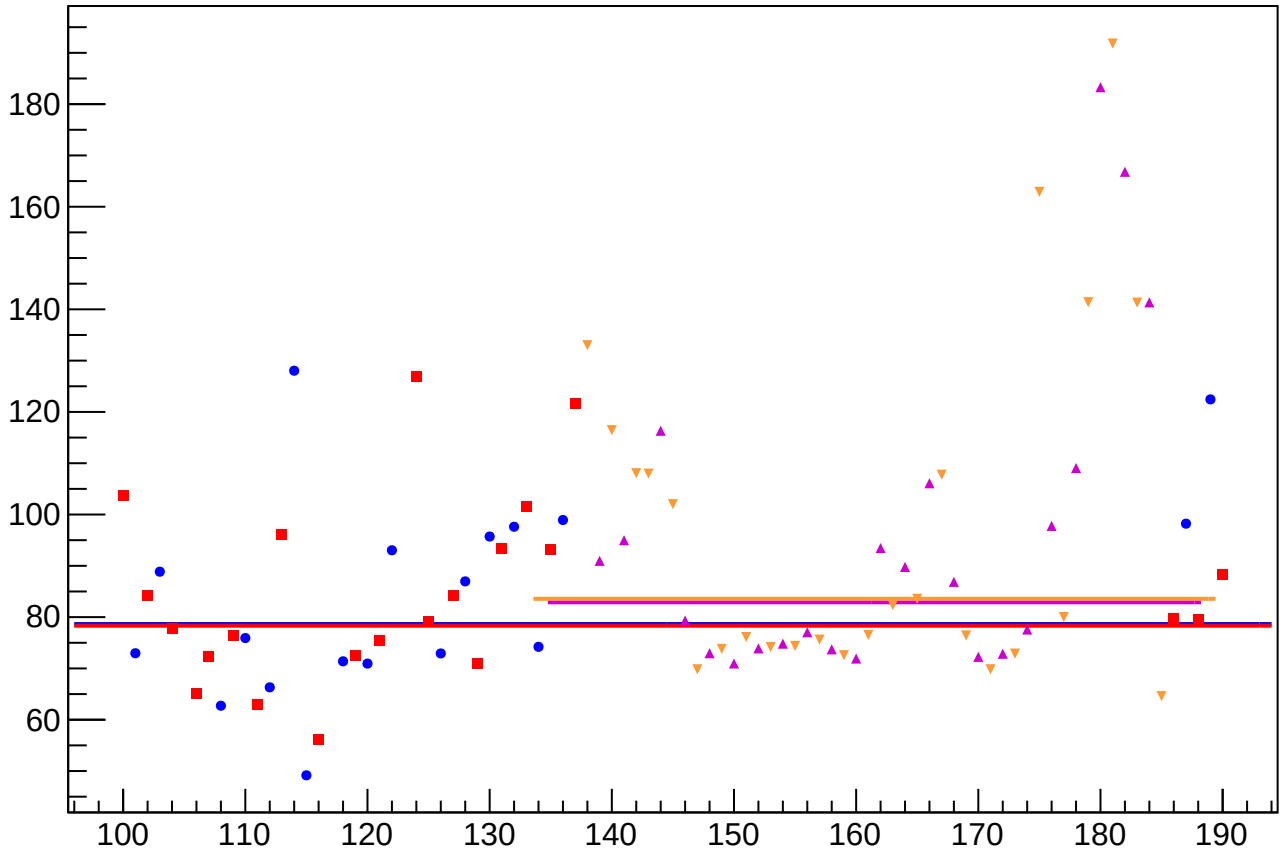
Right Out: 0.005+/-0.027 χ^2/NDF: 32.2/21

Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.000+/-0.017 χ^2/NDF: 45.8/42

All: 0.010+/-0.012 χ^2/NDF: 110.9/87

- sign 0.019+/-0.016 χ^2/NDF: 64.5/44



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: 78.329+/-0.019 χ^2/NDF: 404572.0/21

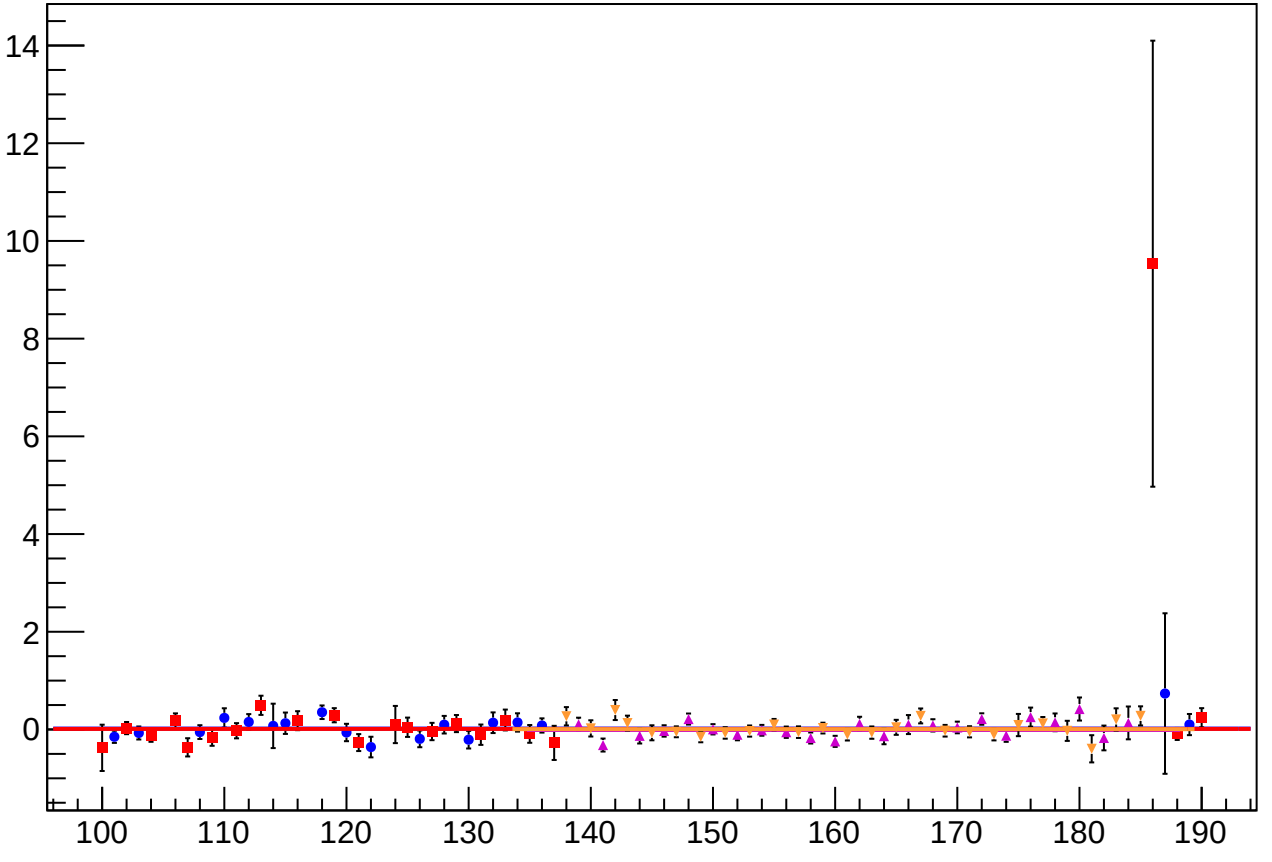
Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

+ sign 81.982+/-0.012 χ^2/NDF: 2751792.7/42

All: 81.593+/-0.008 χ^2/NDF: 4767553.8/87

- sign 81.221+/-0.012 χ^2/NDF: 2013646.3/44

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: 0.011+/-0.038 χ^2/NDF: 30.2/21

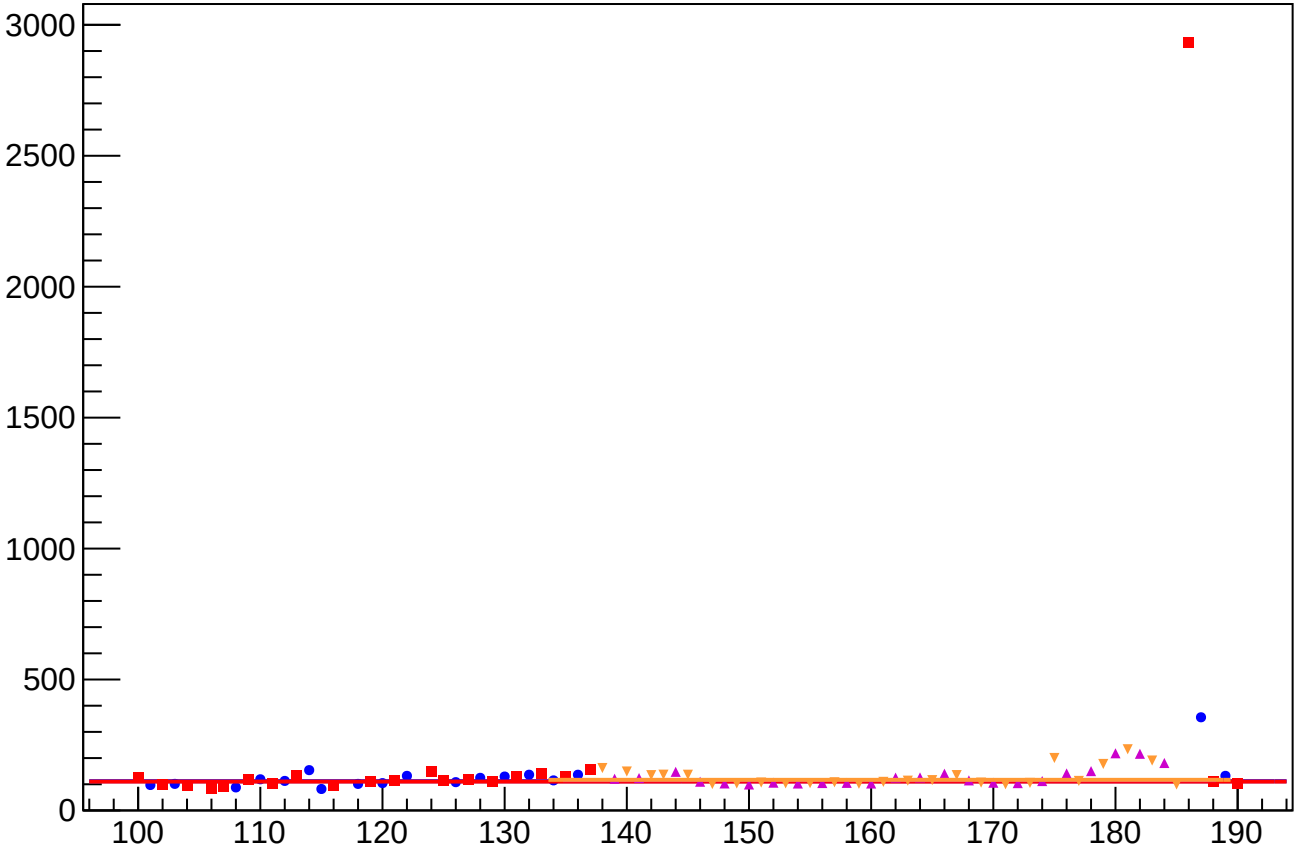
Left In: -0.010+/-0.028 χ^2/NDF:31.3/22

+ sign 0.010+/-0.023 χ^2/NDF: 39.9/42

All: 0.003+/-0.016 χ^2/NDF: 101.7/87

- sign -0.003+/-0.023 χ^2/NDF: 61.7/44

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

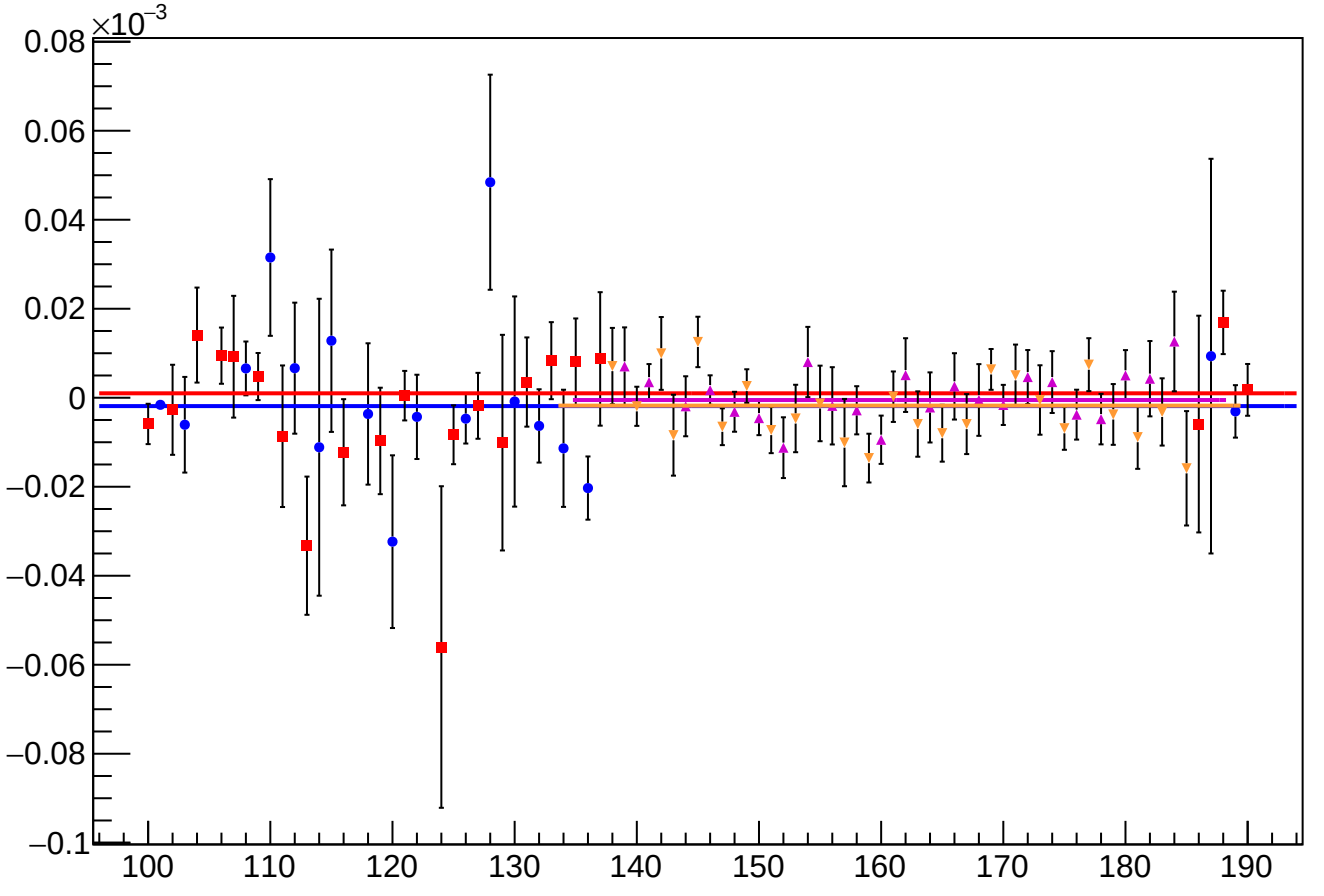
Right Out: 110.315+/-0.027 χ^2/NDF: 1094392.0/21

Left In: 115.858+/-0.020 χ^2/NDF:1231382.1/22

+ sign 115.263+/-0.016 χ^2/NDF: 1981851.7/42

All: 114.581+/-0.011 χ^2/NDF: 4338164.3/87

- sign 113.919+/-0.016 χ^2/NDF: 2352864.7/44



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: 25.4/21

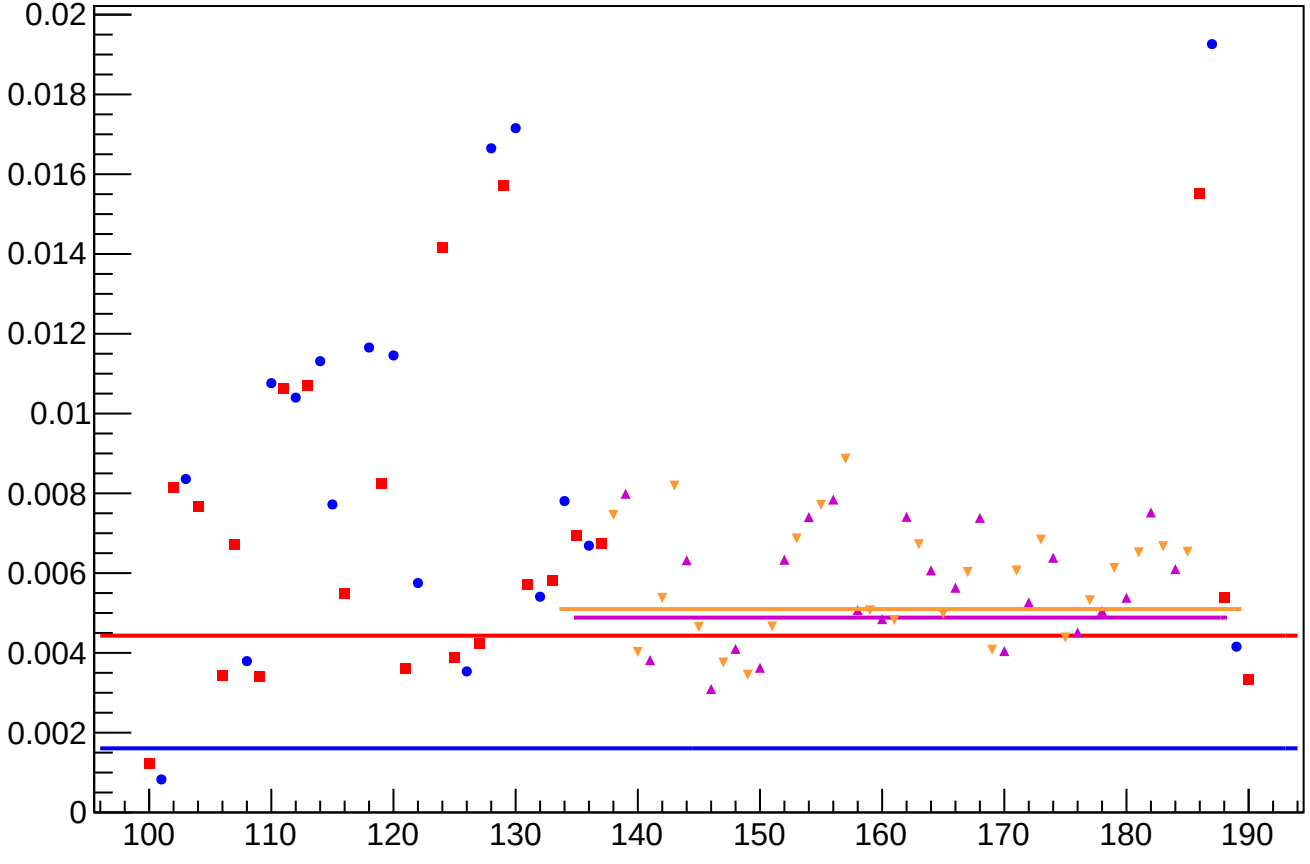
Left In: -0.000+/-0.000 χ^2/NDF:15.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.5/42

All: -0.000+/-0.000 χ^2/NDF: 96.1/87

- sign -0.000+/-0.000 χ^2/NDF: 41.5/44

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: 0.004+/-0.000 χ^2/NDF: 3908687.8/21

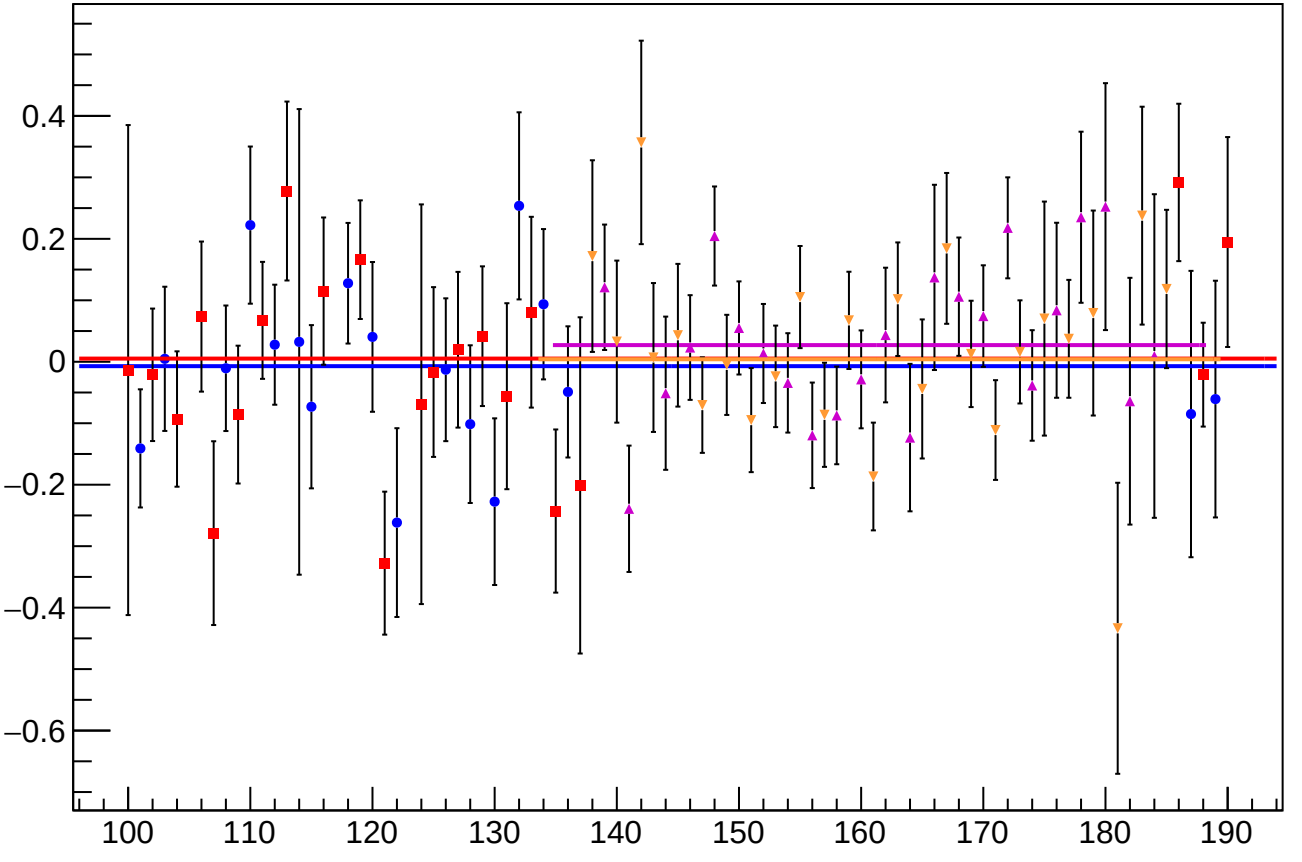
Left In: 0.005+/-0.000 χ^2/NDF:2725463.9/22

+ sign 0.003+/-0.000 χ^2/NDF: 22509231.0/42

All: 0.004+/-0.000 χ^2/NDF: 33376337.8/87

- sign 0.005+/-0.000 χ^2/NDF: 6724105.0/44

asym_usr_eigen_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: 0.005+/-0.027 χ^2/NDF: 32.2/21

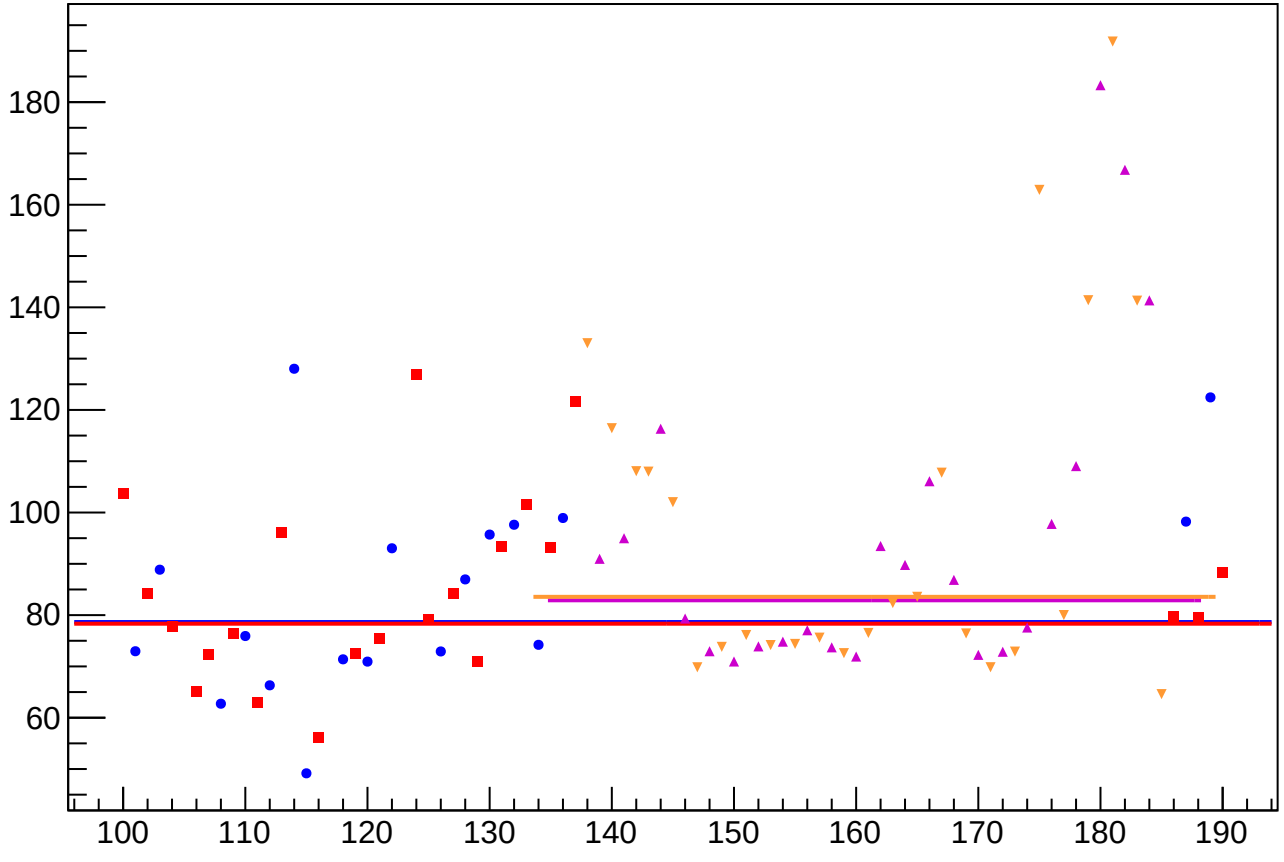
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.000+/-0.017 χ^2/NDF: 45.8/42

All: 0.010+/-0.012 χ^2/NDF: 110.9/87

- sign 0.019+/-0.016 χ^2/NDF: 64.5/44

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

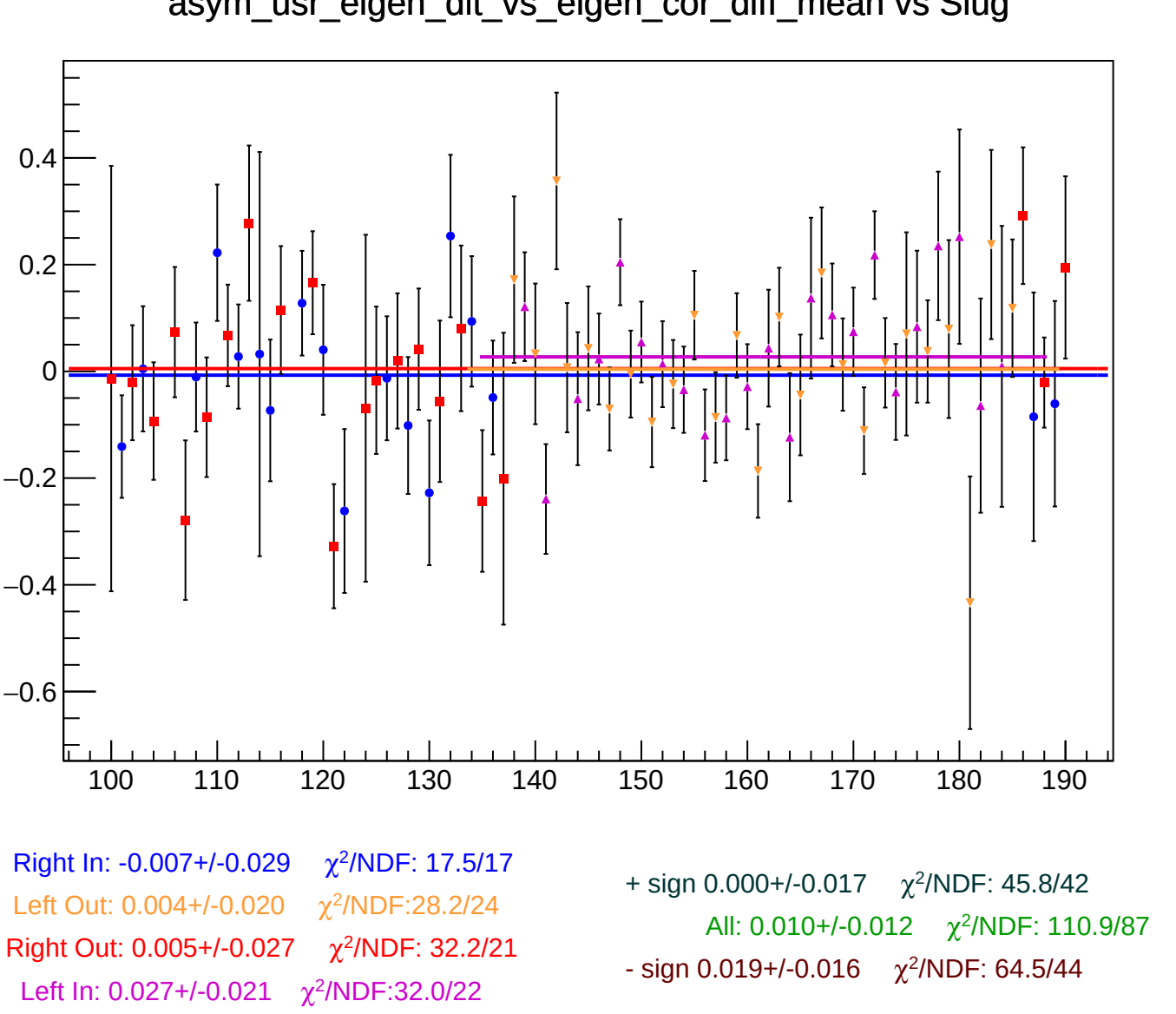
Right Out: 78.328+/-0.019 χ^2/NDF: 404572.4/21

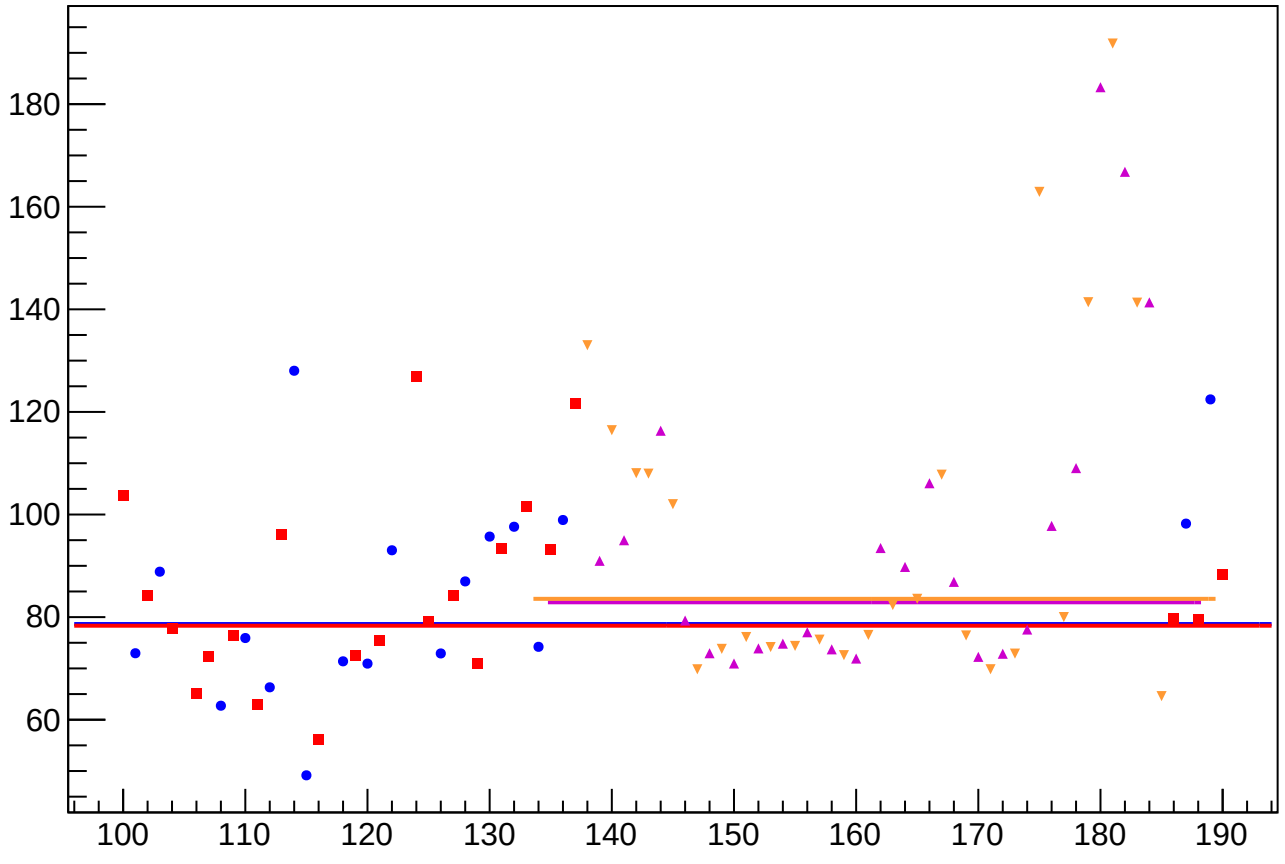
Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

+ sign 81.982+/-0.012 χ^2/NDF: 2751829.0/42

All: 81.593+/-0.008 χ^2/NDF: 4767599.3/87

- sign 81.221+/-0.012 χ^2/NDF: 2013654.6/44


asym_usr_eigen_dit_vs_eigen_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: 0.005+/-0.027 χ²/NDF: 32.2/21
Left In: 0.027+/-0.021 χ²/NDF:32.0/22
+ sign 0.000+/-0.017 χ²/NDF: 45.8/42
All: 0.010+/-0.012 χ²/NDF: 110.9/87
- sign 0.019+/-0.016 χ²/NDF: 64.5/44



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: 78.328+/-0.019 χ^2/NDF: 404572.4/21

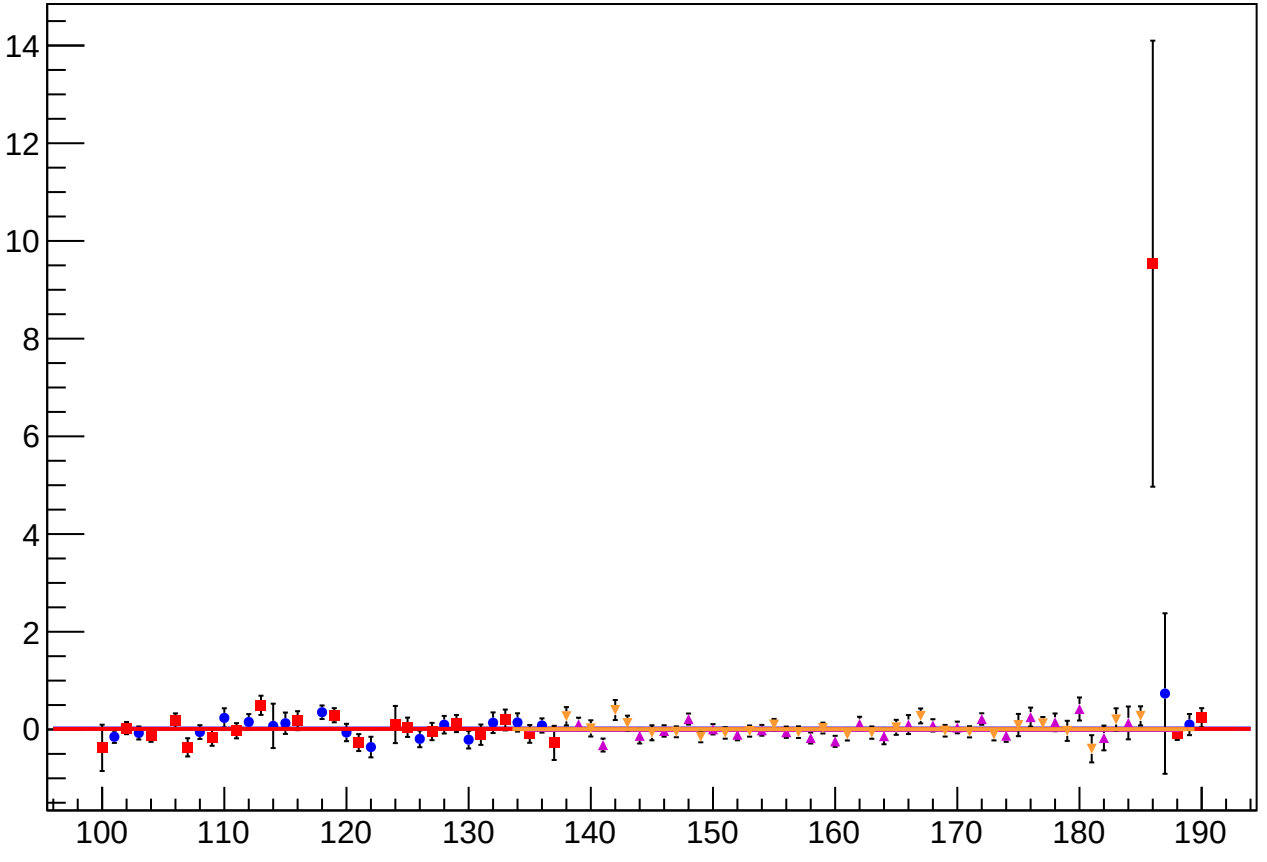
Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

+ sign 81.982+/-0.012 χ^2/NDF: 2751829.0/42

All: 81.593+/-0.008 χ^2/NDF: 4767599.3/87

- sign 81.221+/-0.012 χ^2/NDF: 2013654.6/44

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

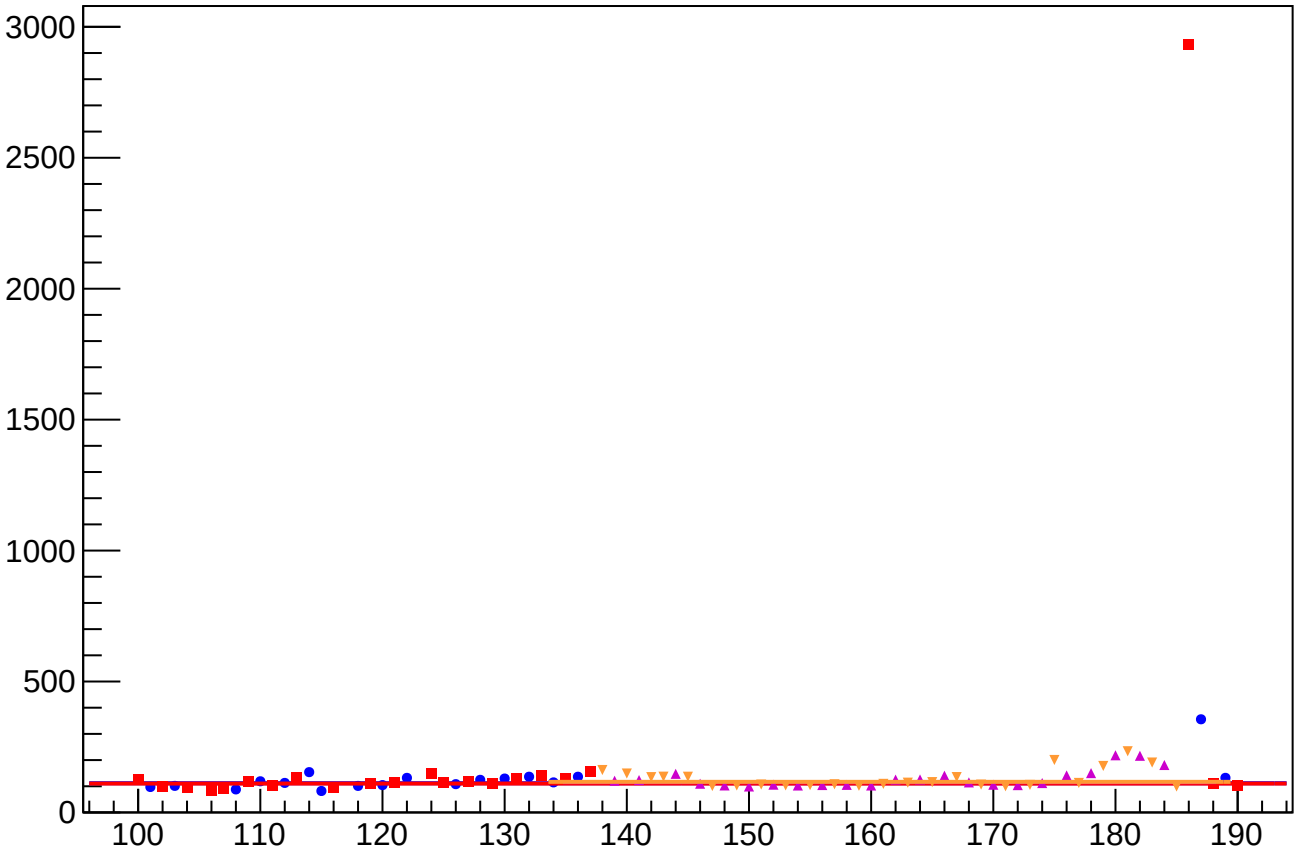
Right Out: 0.011+/-0.038 χ^2/NDF: 30.2/21

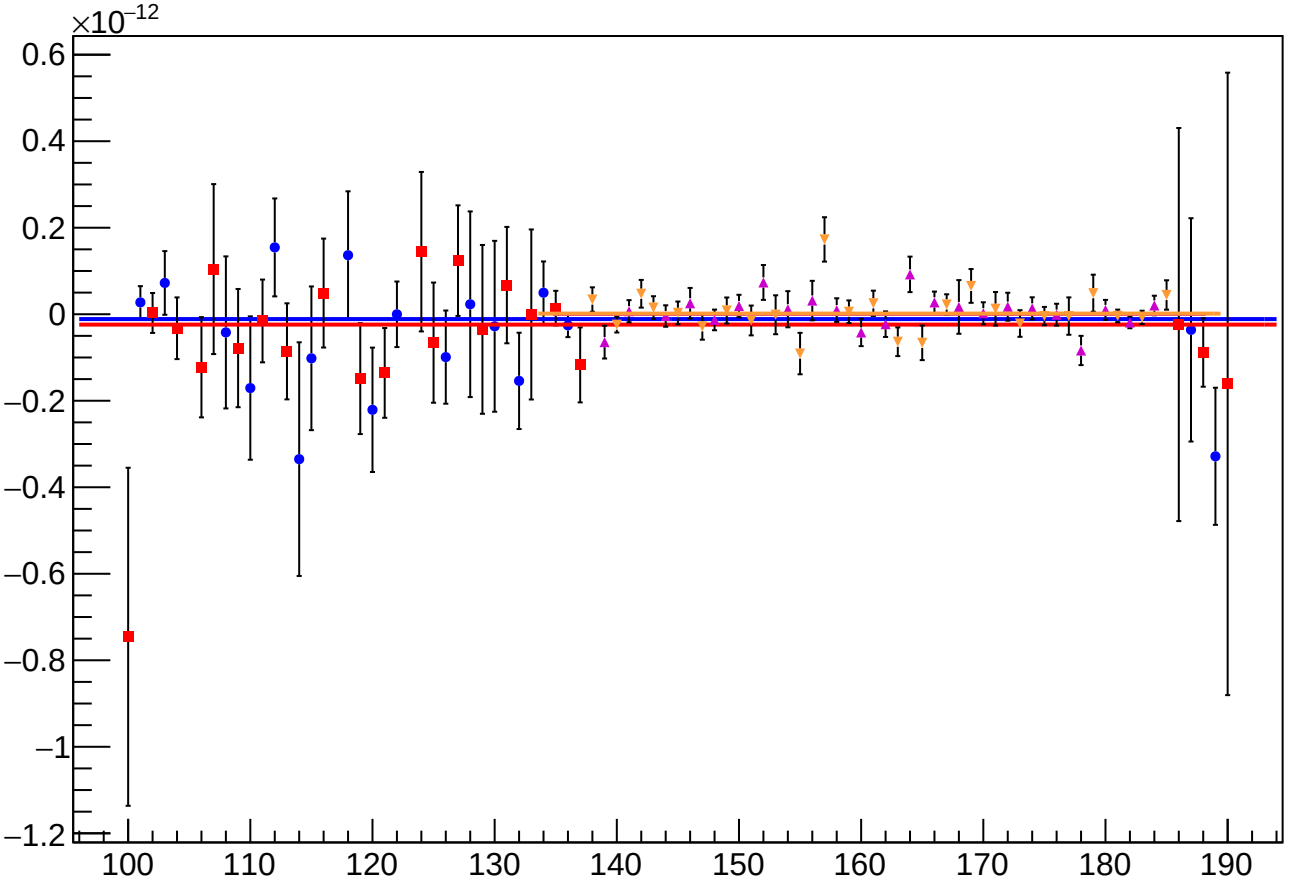
Left In: -0.010+/-0.028 χ^2/NDF:31.3/22

+ sign 0.010+/-0.023 χ^2/NDF: 39.9/42

All: 0.003+/-0.016 χ^2/NDF: 101.7/87

- sign -0.003+/-0.023 χ^2/NDF: 61.7/44


asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug
3000
2500
2000
1500
1000
500
0
100
110
120
130
140
150
160
170
180
190
Right In: 111.655+/-0.029 χ²/NDF: 362980.8/17
Left Out: 116.880+/-0.020 χ²/NDF:1596928.7/24
Right Out: 110.315+/-0.027 χ²/NDF: 1094362.9/21
Left In: 115.858+/-0.020 χ²/NDF:1231371.8/22
+ sign 115.263+/-0.016 χ²/NDF: 1981834.9/42
All: 114.581+/-0.011 χ²/NDF: 4338117.9/87
- sign 113.919+/-0.016 χ²/NDF: 2352834.9/44



Right In: -0.000+/-0.000 χ^2/NDF: 17.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:36.6/24

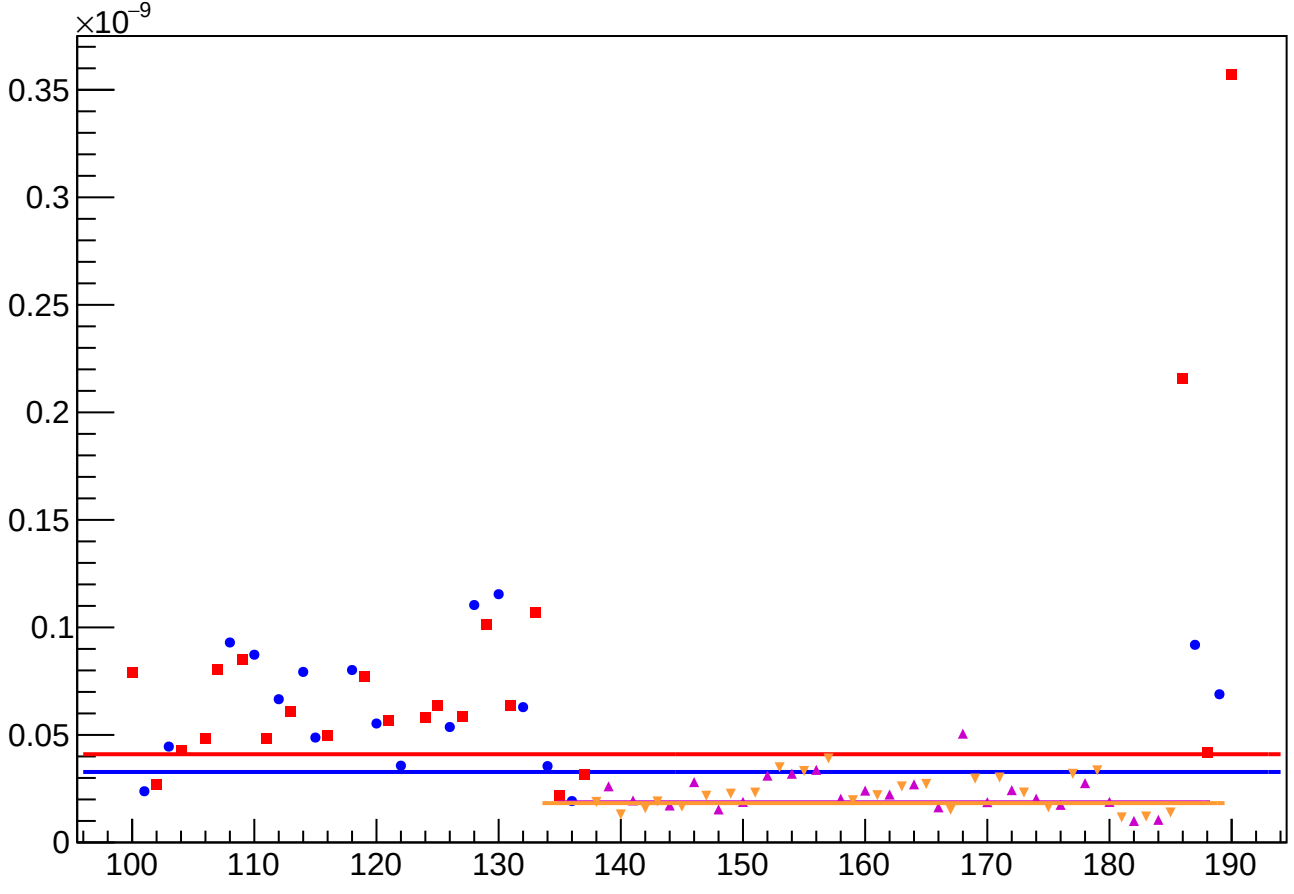
Right Out: -0.000+/-0.000 χ^2/NDF: 13.3/21

Left In: 0.000+/-0.000 χ^2/NDF:26.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 54.8/42

All: -0.000+/-0.000 χ^2/NDF: 96.2/87

- sign -0.000+/-0.000 χ^2/NDF: 41.4/44



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: 2550374.3/21

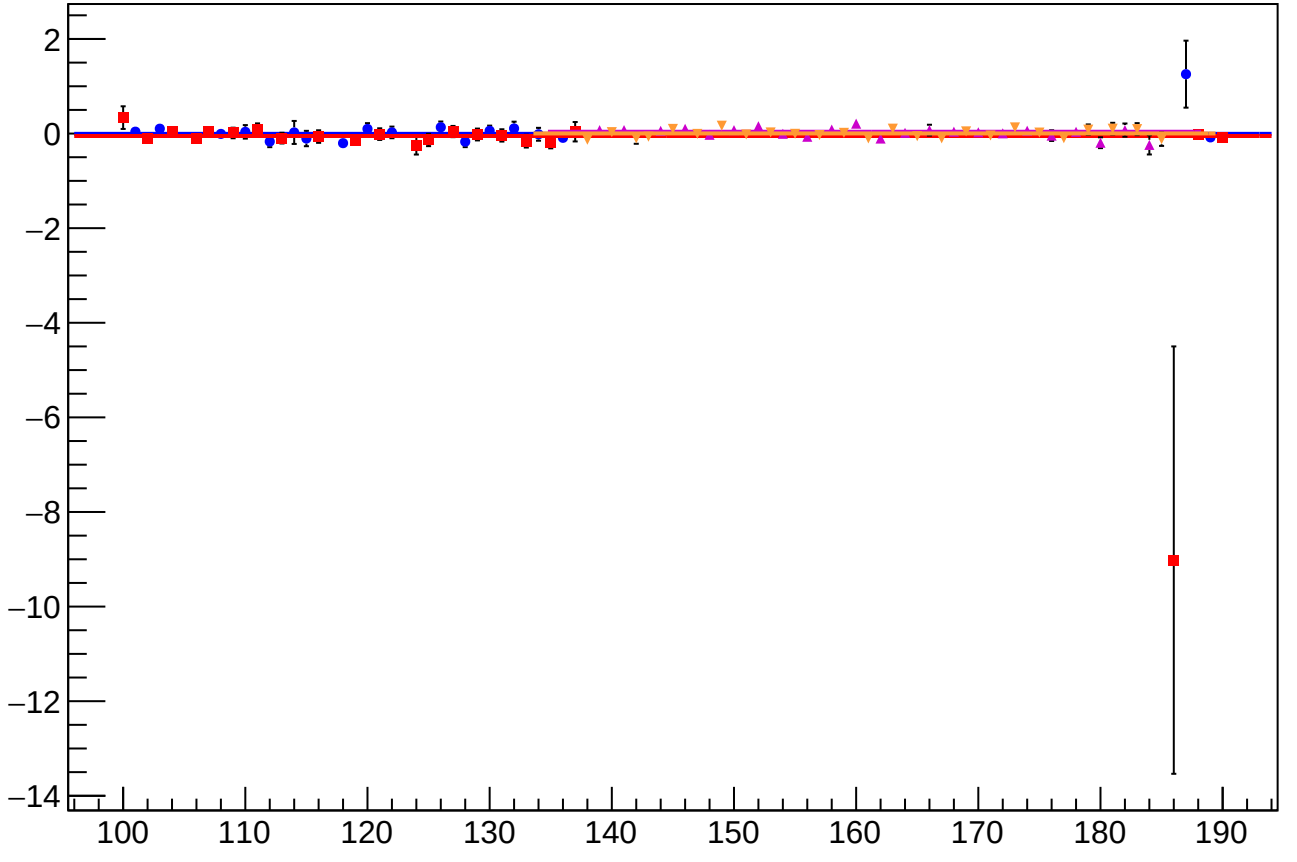
Left In: 0.000+/-0.000 χ^2/NDF:2908977.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 6917657.7/42

All: 0.000+/-0.000 χ^2/NDF: 14630406.7/87

- sign 0.000+/-0.000 χ^2/NDF: 7692608.2/44

asym_usr_overload_cor_vs_cor_diff_mean vs Slug



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: -0.051+/-0.022 χ^2/NDF: 19.4/21

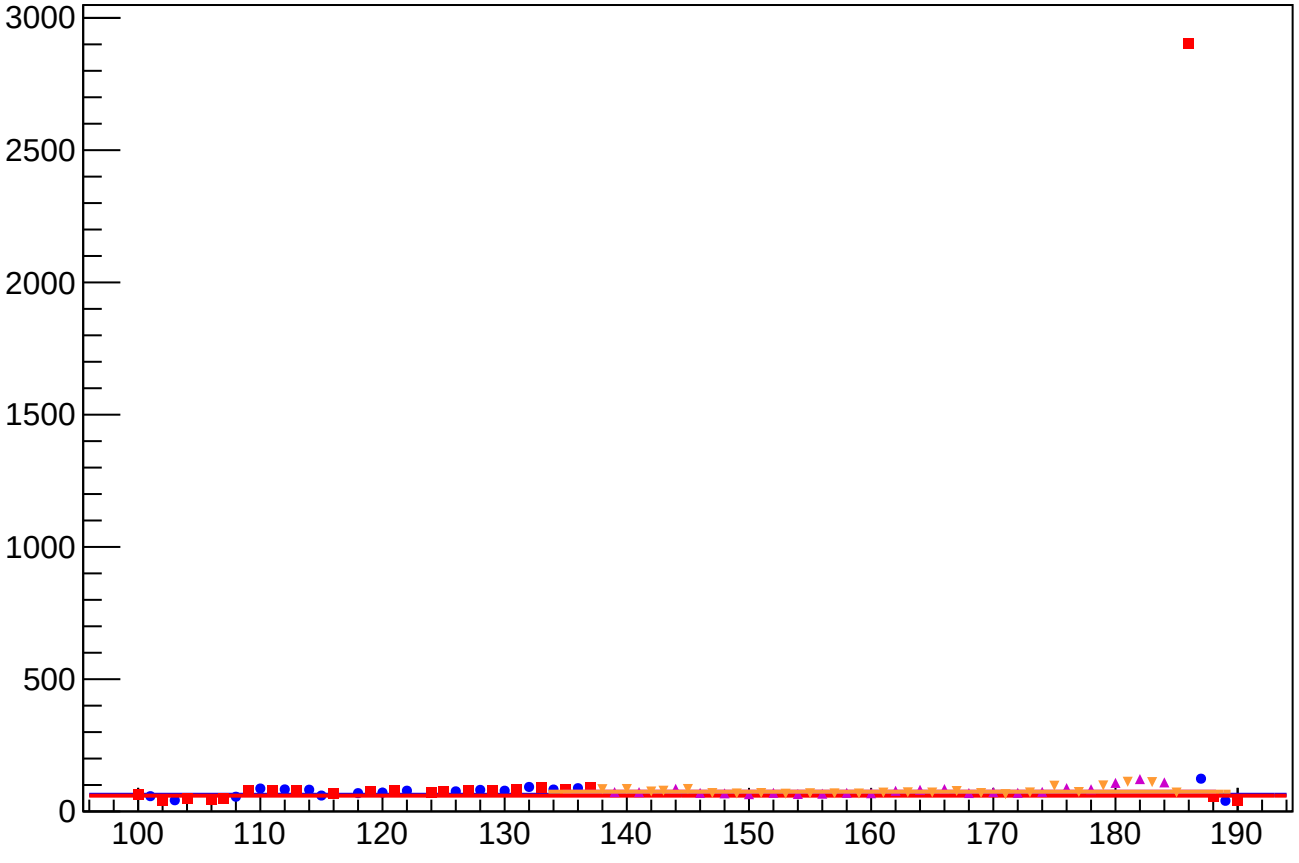
Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

+ sign -0.000+/-0.014 χ^2/NDF: 42.9/42

All: 0.001+/-0.010 χ^2/NDF: 94.1/87

- sign 0.002+/-0.014 χ^2/NDF: 51.2/44

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

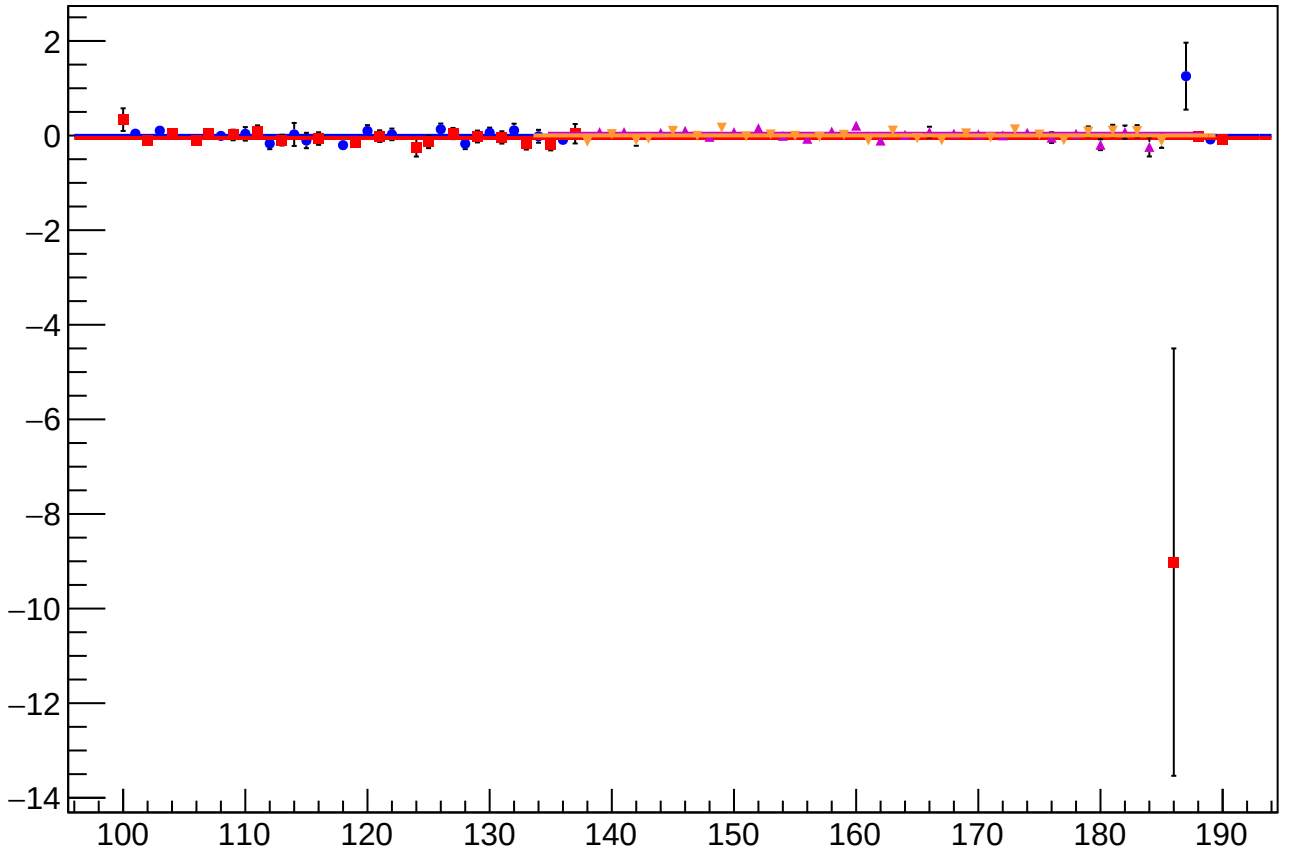
Right Out: 59.763+/-0.015 χ^2/NDF: 2087154.8/21

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 70.720+/-0.010 χ^2/NDF: 2179653.3/42

All: 69.616+/-0.007 χ^2/NDF: 5565145.1/87

- sign 68.564+/-0.010 χ^2/NDF: 3361556.2/44



Right In: -0.006+/-0.024 χ^2/NDF: 21.3/17

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

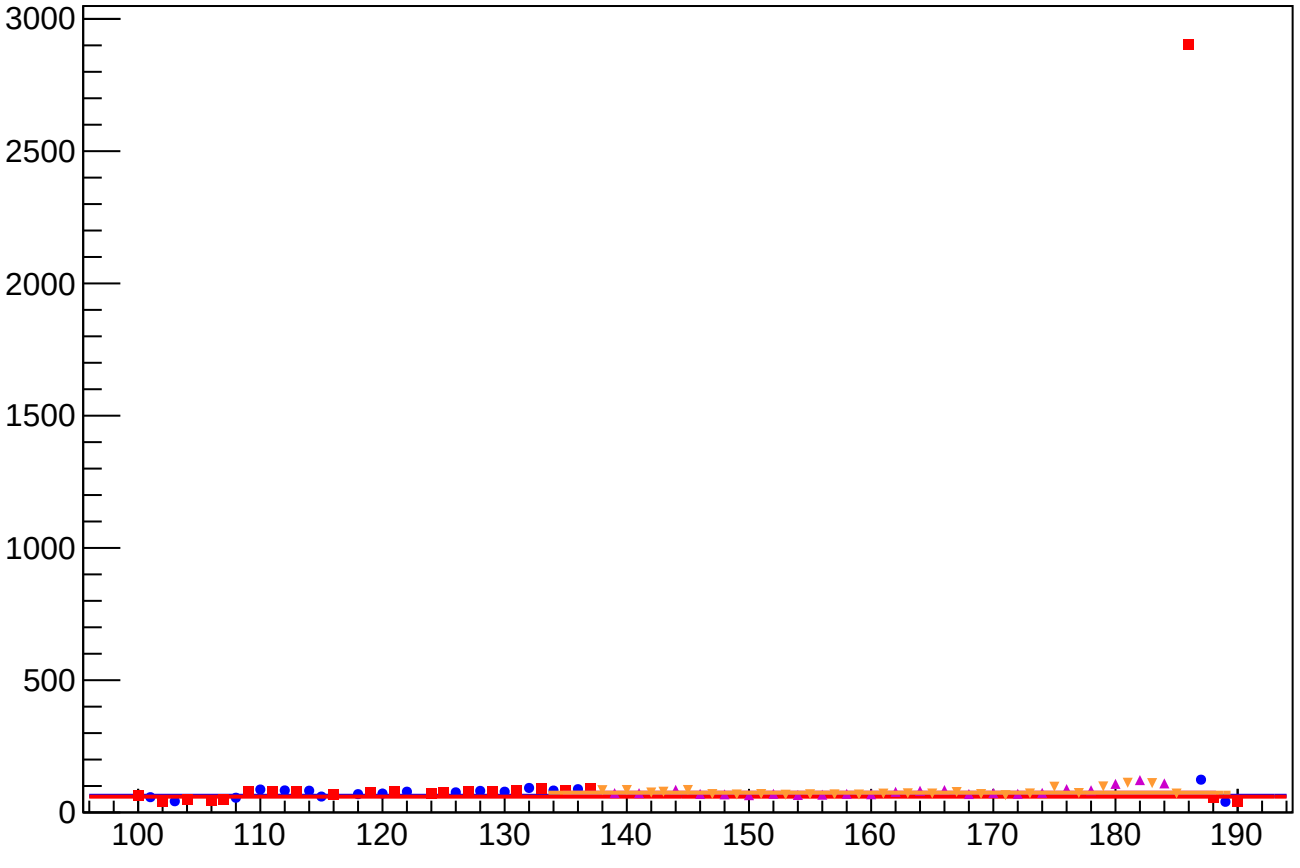
Right Out: -0.051+/-0.022 χ^2/NDF: 19.4/21

Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

+ sign -0.000+/-0.014 χ^2/NDF: 42.9/42

All: 0.001+/-0.010 χ^2/NDF: 94.1/87

- sign 0.002+/-0.014 χ^2/NDF: 51.2/44



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: 59.763+/-0.015 χ^2/NDF: 2087154.8/21

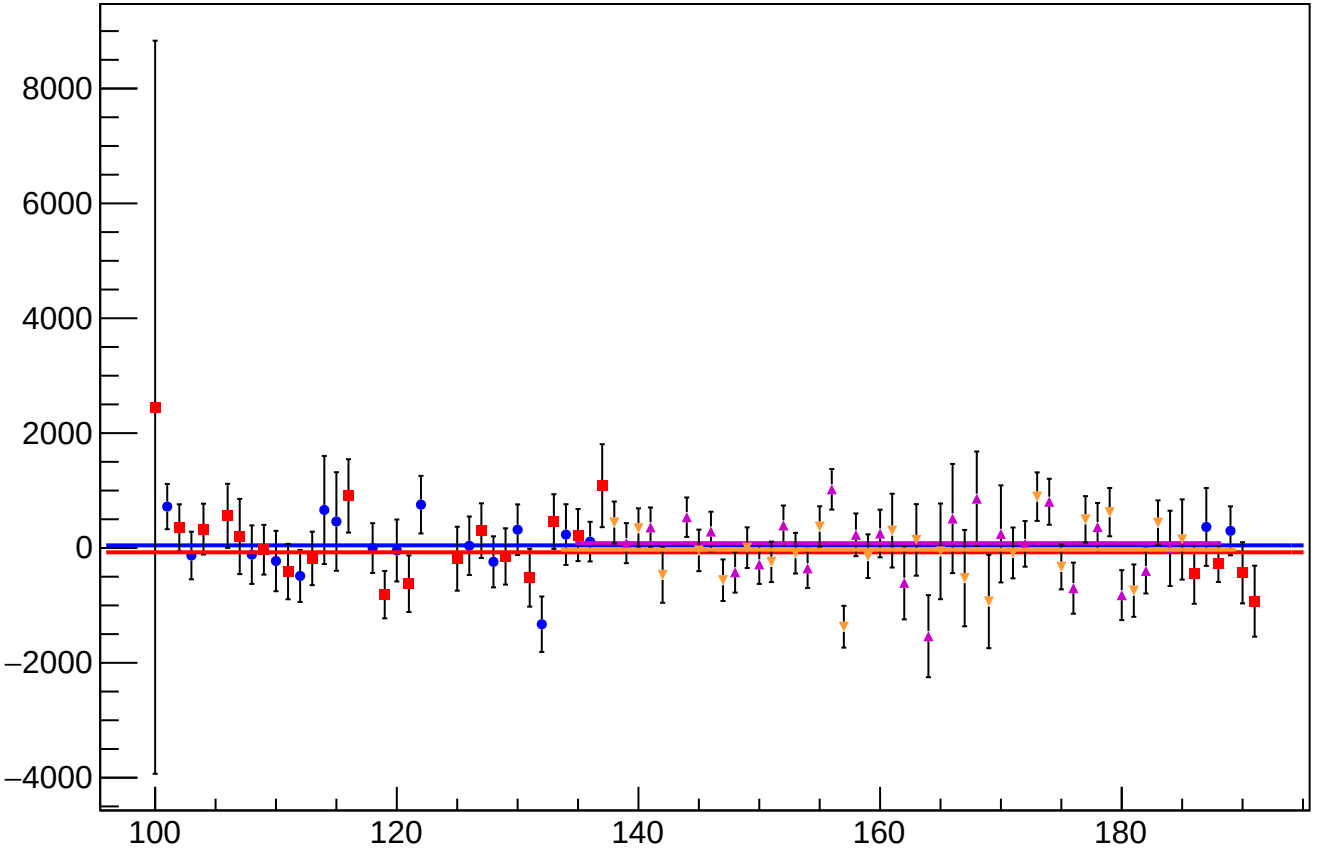
Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 70.720+/-0.010 χ^2/NDF: 2179653.3/42

All: 69.616+/-0.007 χ^2/NDF: 5565145.1/87

- sign 68.564+/-0.010 χ^2/NDF: 3361556.2/44

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: -75.326+/-105.259 χ^2/NDF: 19.9/21

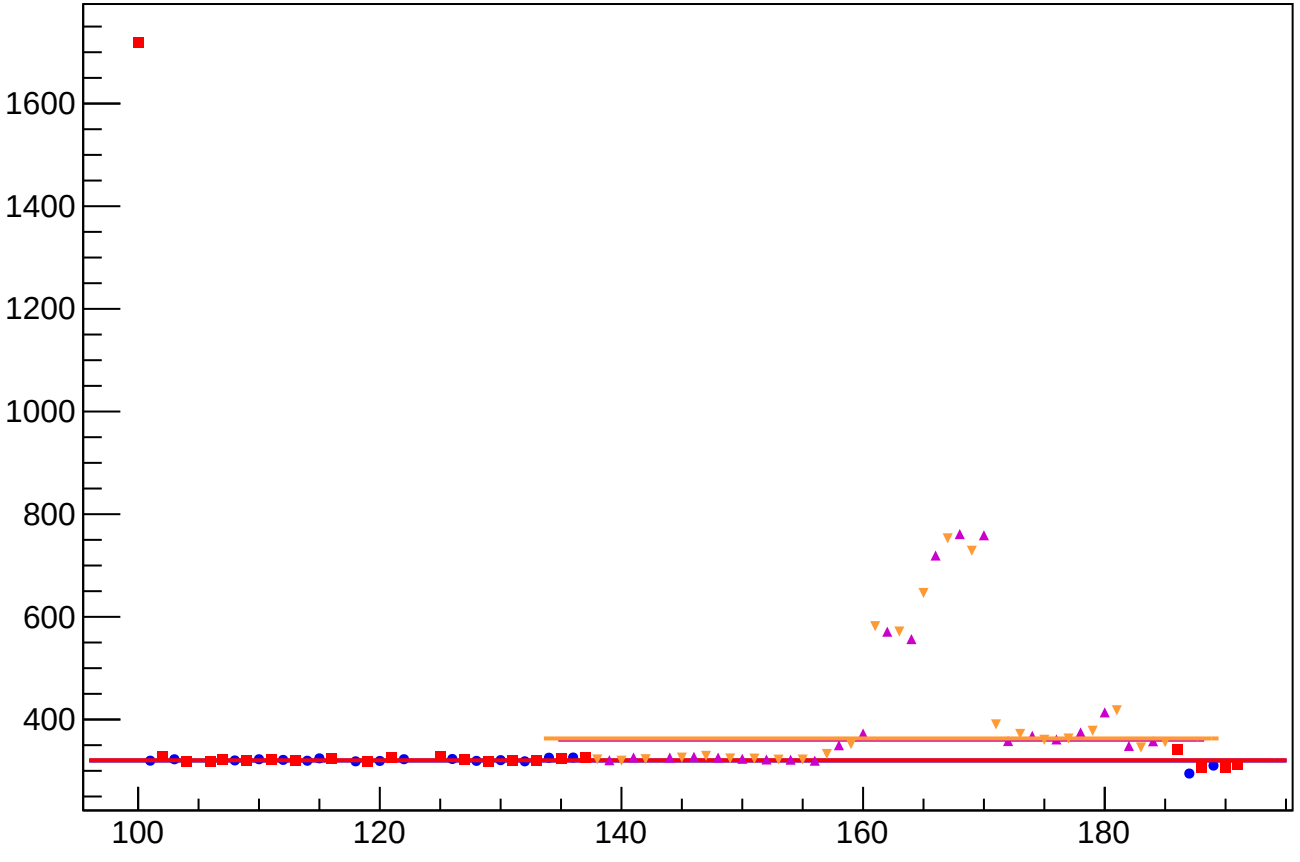
Left In: 83.719+/-86.476 χ^2/NDF:35.8/22

+ sign -1.840+/-68.786 χ^2/NDF: 54.0/41

All: 9.206+/-47.928 χ^2/NDF: 111.1/86

- sign 19.629+/-66.818 χ^2/NDF: 57.1/44

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: 320.572+/-0.074 χ^2/NDF: 106025.0/21

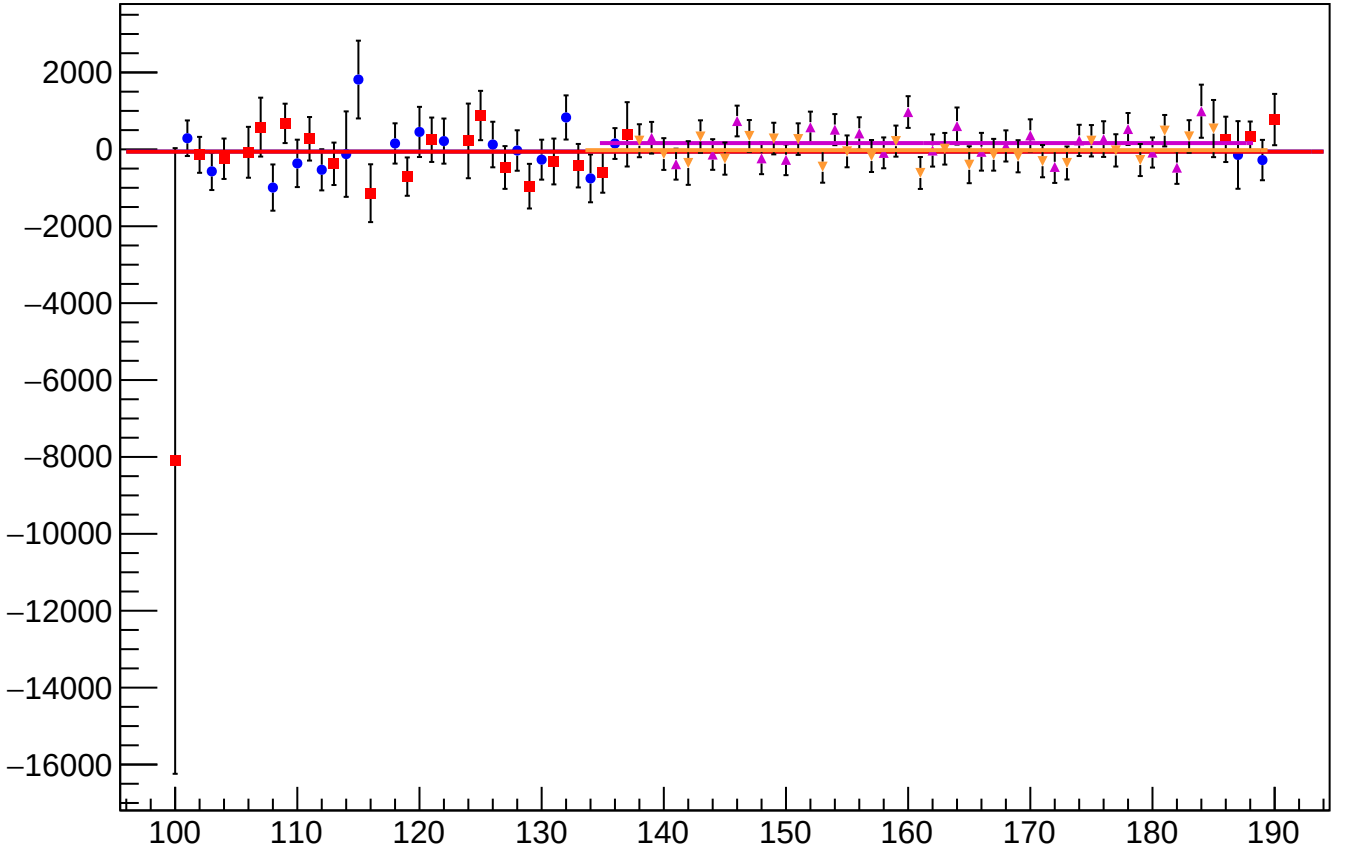
Left In: 360.585+/-0.061 χ^2/NDF:1817691.0/22

+ sign 347.240+/-0.049 χ^2/NDF: 1982659.3/41

All: 345.810+/-0.034 χ^2/NDF: 4080608.3/86

- sign 344.461+/-0.047 χ^2/NDF: 2096270.0/44

asym_dsr_mean vs Slug



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: -60.649+/-125.520 χ^2/NDF: 18.6/21

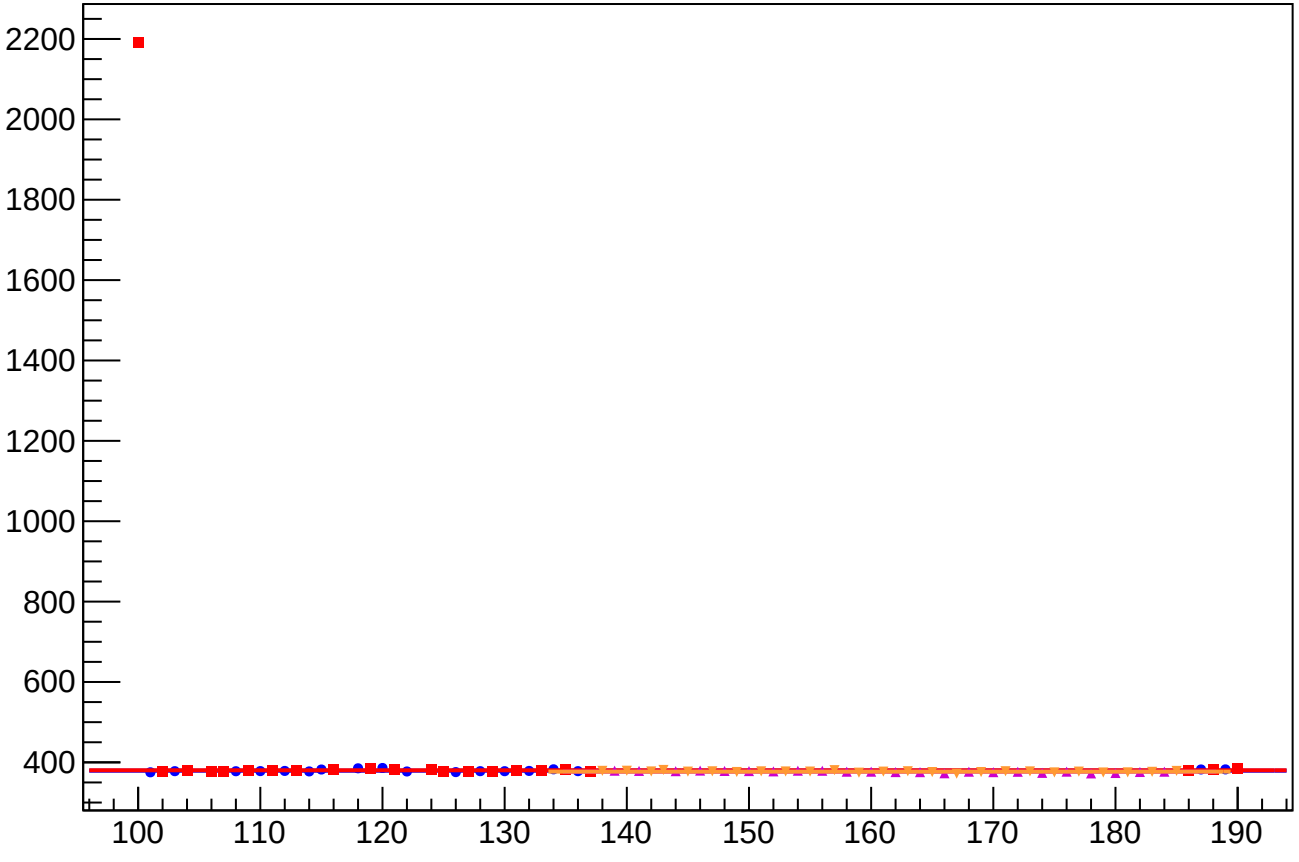
Left In: 162.992+/-87.991 χ^2/NDF:21.8/22

+ sign -31.475+/-72.200 χ^2/NDF: 26.6/42

All: 29.038+/-51.000 χ^2/NDF: 70.4/87

- sign 89.302+/-72.051 χ^2/NDF: 42.4/44

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: 380.317+/-0.089 χ^2/NDF: 99799.1/21

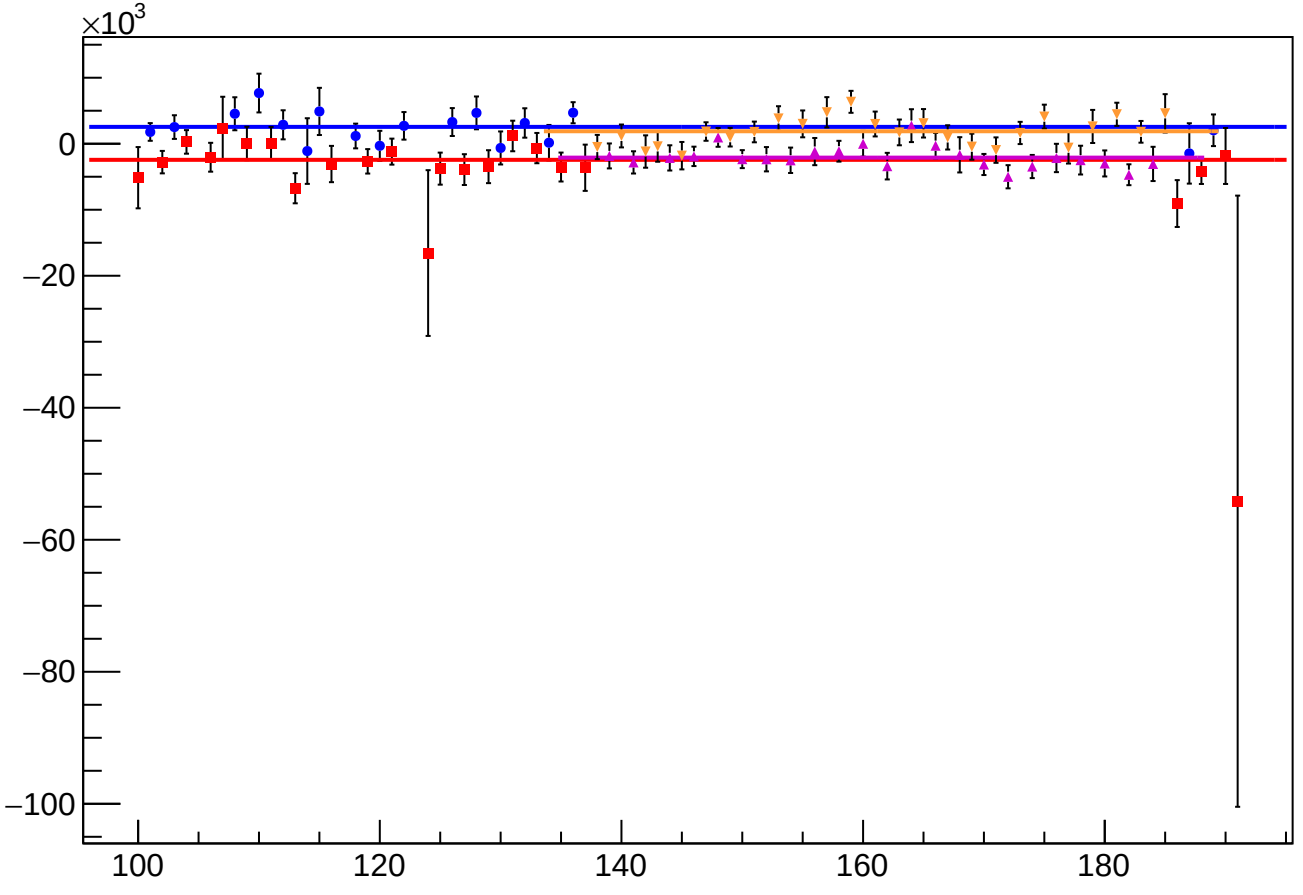
Left In: 376.846+/-0.062 χ^2/NDF:1074.1/22

+ sign 377.576+/-0.051 χ^2/NDF: 2445.7/42

All: 377.783+/-0.036 χ^2/NDF: 104377.1/87

- sign 377.990+/-0.051 χ^2/NDF: 101898.5/44

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: -2439.185+/-516.552 χ^2/NDF: 20.9/22

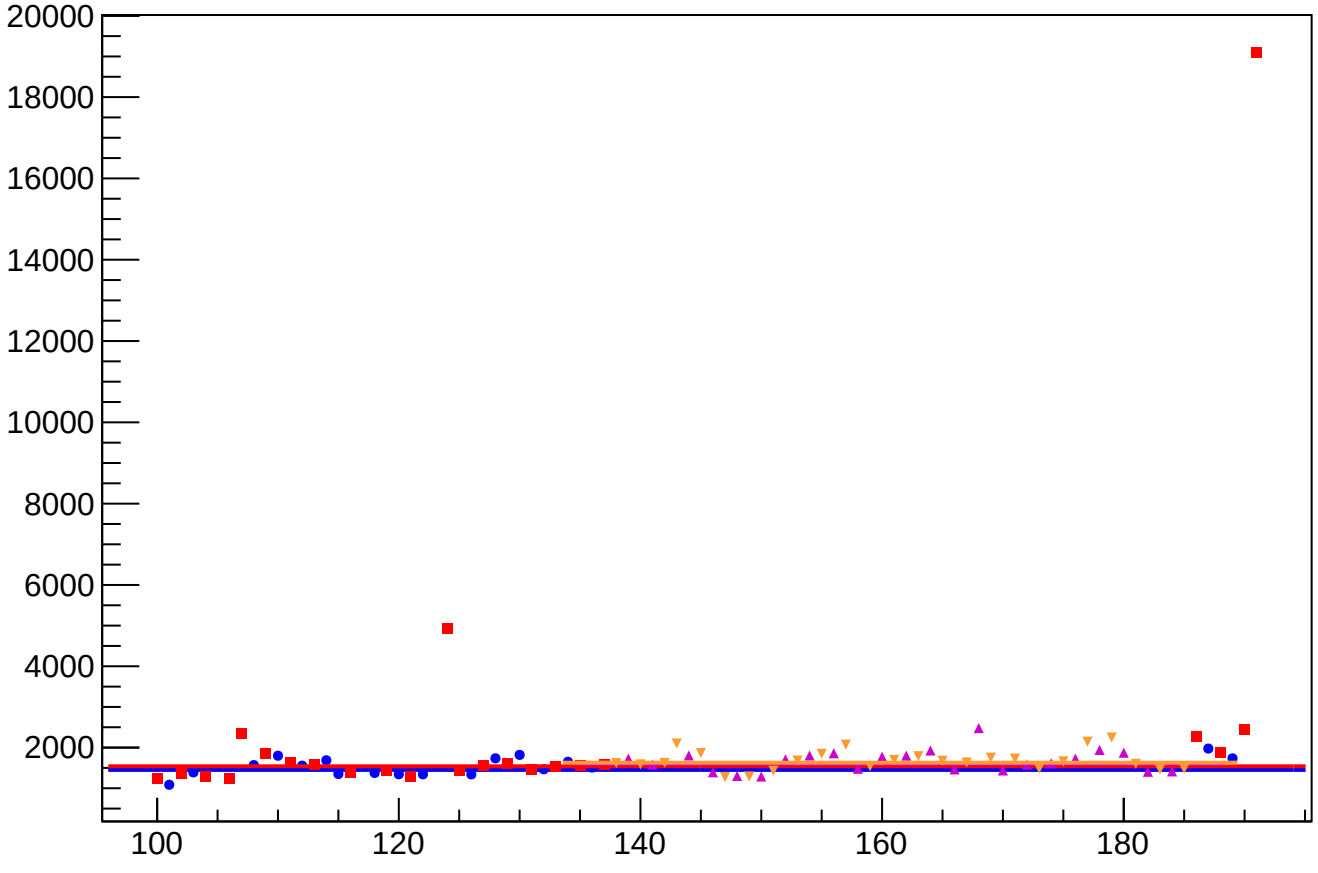
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

+ sign 2117.226+/-304.624 χ^2/NDF: 42.5/42

All: -45.571+/-215.746 χ^2/NDF: 183.4/88

- sign -2222.237+/-305.599 χ^2/NDF: 39.8/45

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: 1539.644+/-0.365 χ^2/NDF: 924029.5/22

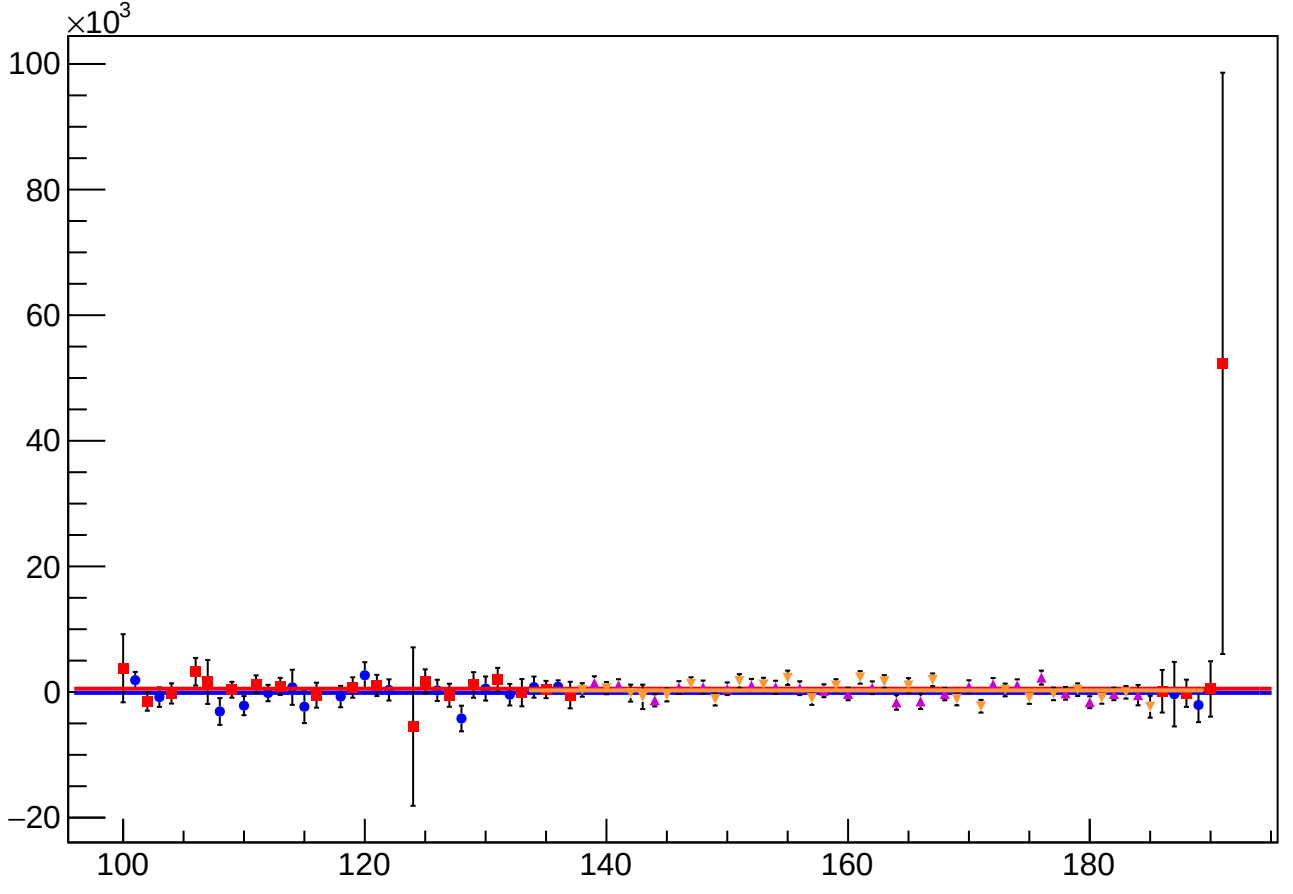
Left In: 1601.496+/-0.268 χ^2/NDF:793722.6/22

+ sign 1567.994+/-0.215 χ^2/NDF: 1282196.6/42

All: 1573.902+/-0.153 χ^2/NDF: 3020097.1/88

- sign 1579.847+/-0.216 χ^2/NDF: 1736391.2/45

asym_us_agg_dd_mean vs Slug



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: 528.637+/-399.653 χ^2/NDF: 8.1/22

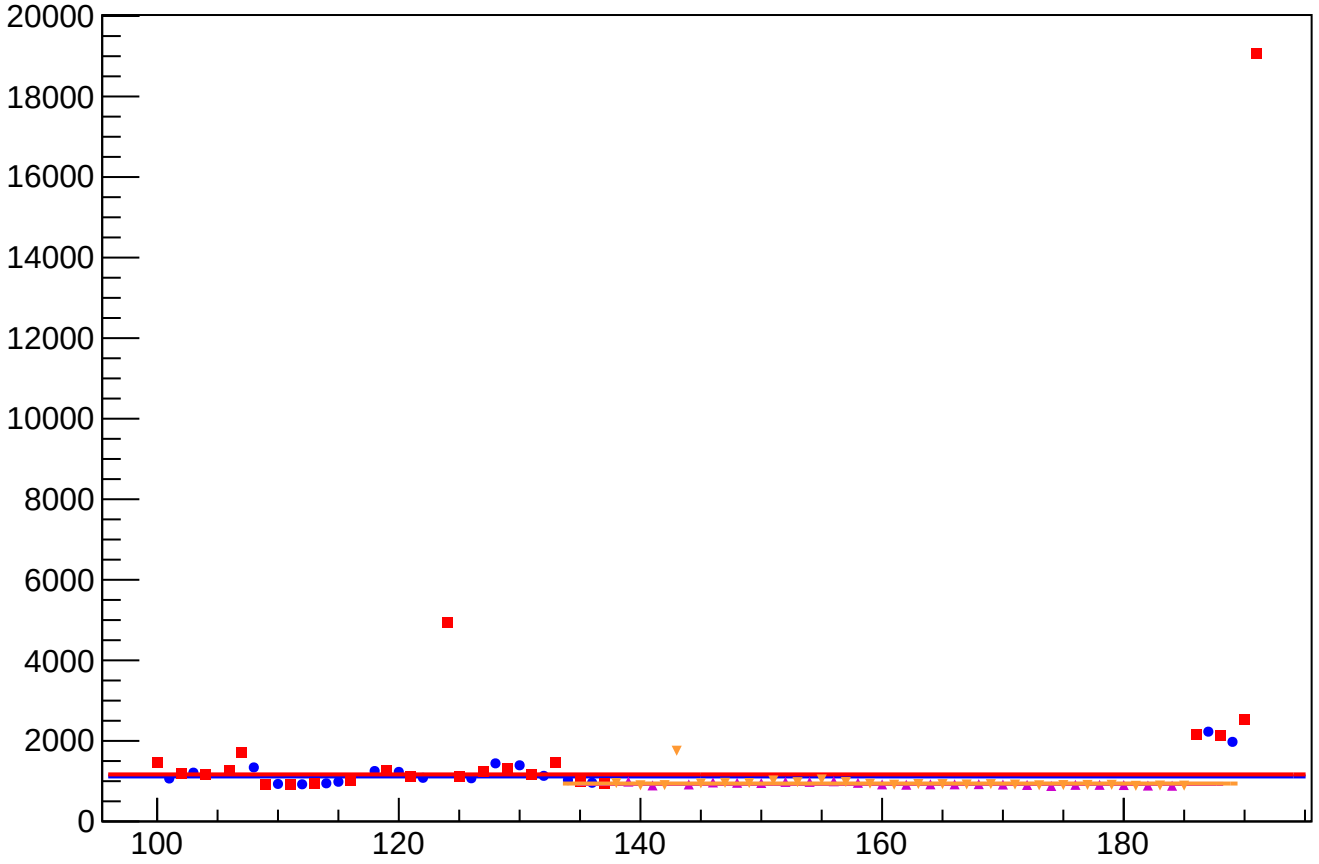
Left In: 267.059+/-217.685 χ^2/NDF:21.4/22

+ sign 174.514+/-189.787 χ^2/NDF: 49.7/42

All: 250.159+/-134.685 χ^2/NDF: 79.9/88

- sign 326.908+/-191.166 χ^2/NDF: 29.8/45

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: 1168.278+/-0.283 χ^2/NDF: 1613484.1/22

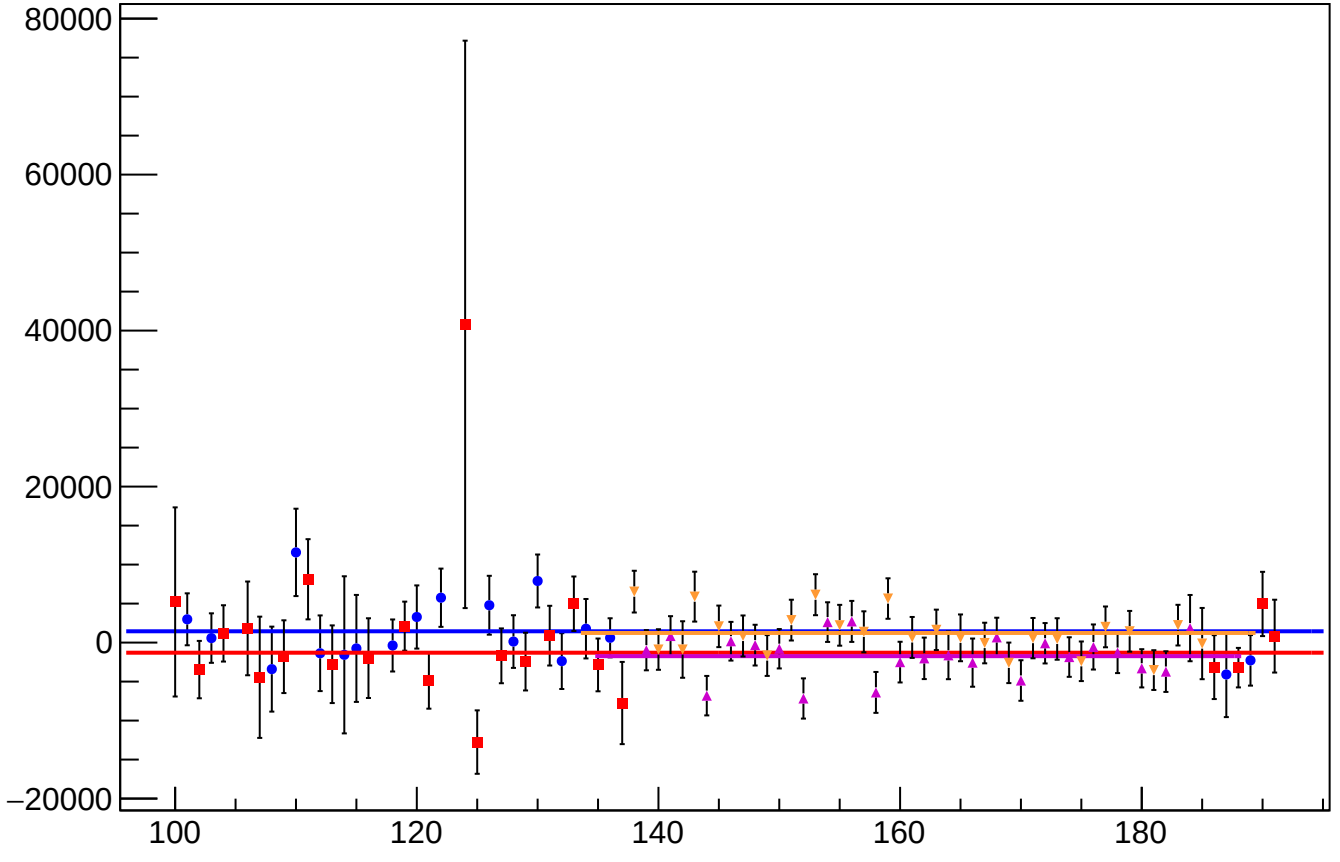
Left In: 931.562+/-0.154 χ^2/NDF:48916.1/22

+ sign 979.924+/-0.134 χ^2/NDF: 1291900.7/42

All: 982.803+/-0.095 χ^2/NDF: 3496338.2/88

- sign 985.723+/-0.135 χ^2/NDF: 2203510.7/45

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: -1298.176+/-860.438 χ^2/NDF: 25.1/22

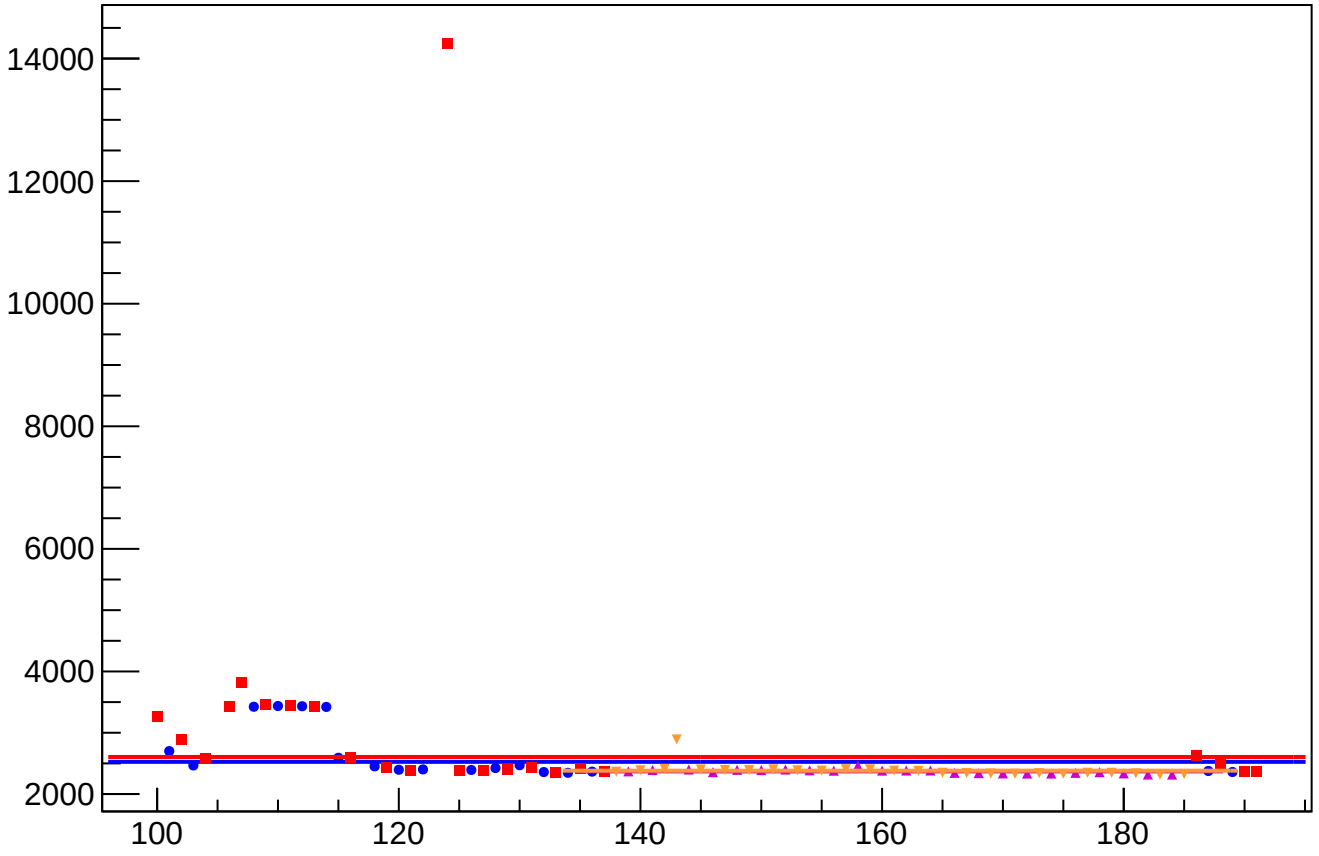
Left In: -1741.730+/-553.254 χ^2/NDF:24.4/22

+ sign 1291.552+/-464.041 χ^2/NDF: 38.8/42

All: -156.105+/-328.591 χ^2/NDF: 107.9/88

- sign -1611.988+/-465.357 χ^2/NDF: 49.7/45

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

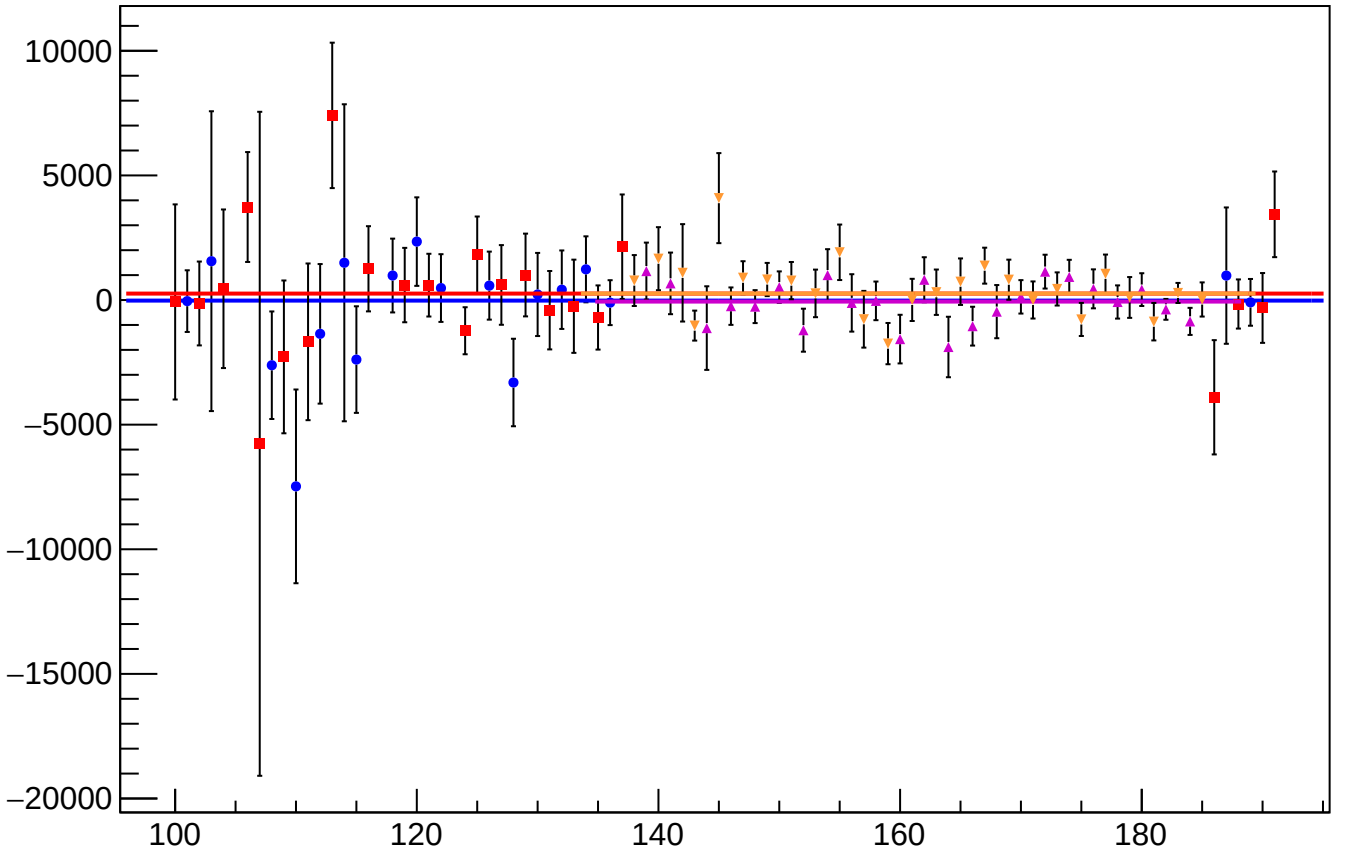
Right Out: 2604.717+/-0.608 χ^2/NDF: 556948.7/22

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2419.482+/-0.328 χ^2/NDF: 328436.8/42

All: 2428.825+/-0.232 χ^2/NDF: 999892.4/88

- sign 2438.220+/-0.329 χ^2/NDF: 669829.6/45



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: 258.832+/-345.820 χ^2/NDF: 22.7/22

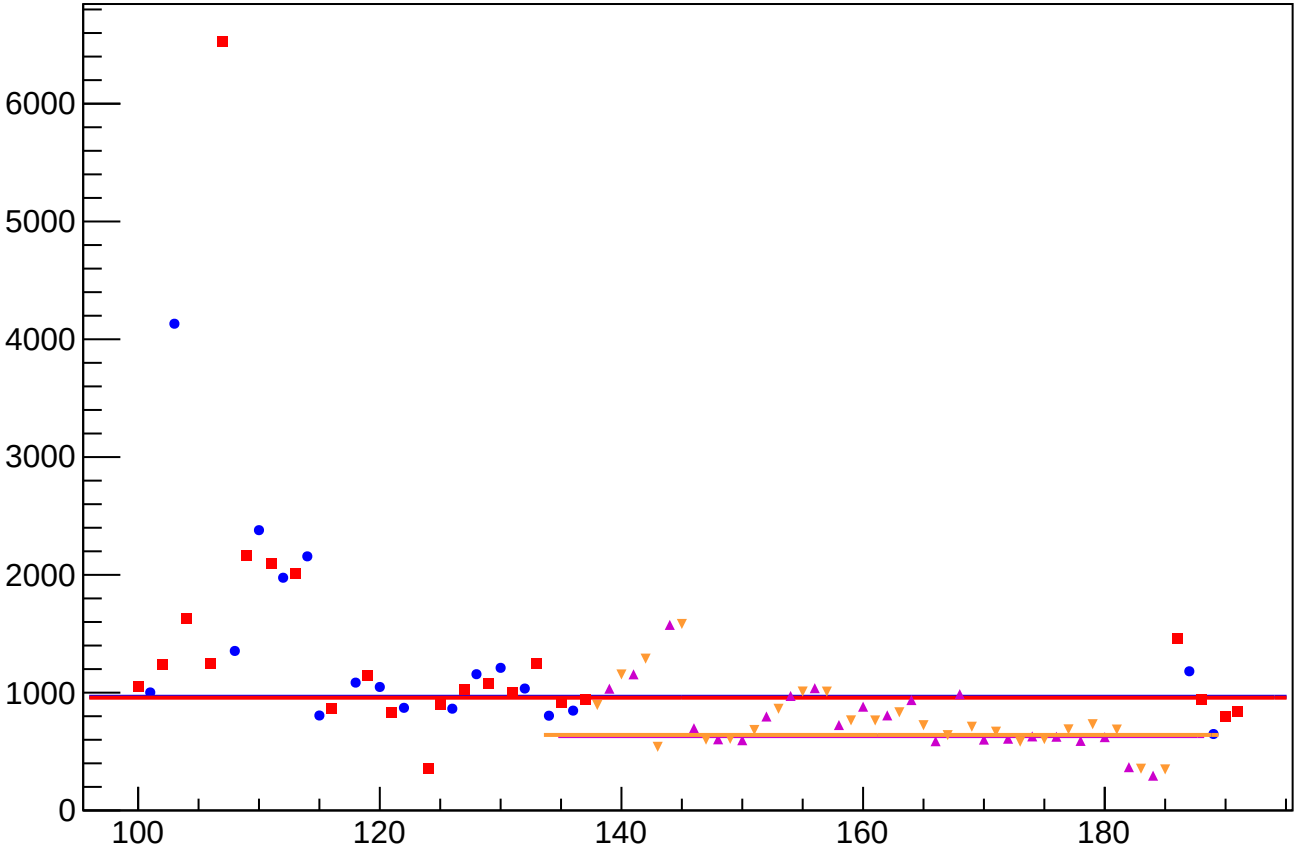
Left In: -61.960+/-157.394 χ^2/NDF:22.0/22

+ sign 219.716+/-142.127 χ^2/NDF: 45.5/42

All: 107.297+/-100.895 χ^2/NDF: 92.2/88

- sign -6.912+/-143.254 χ^2/NDF: 45.4/45

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: 957.309+/-0.245 χ^2/NDF: 2442195.9/22

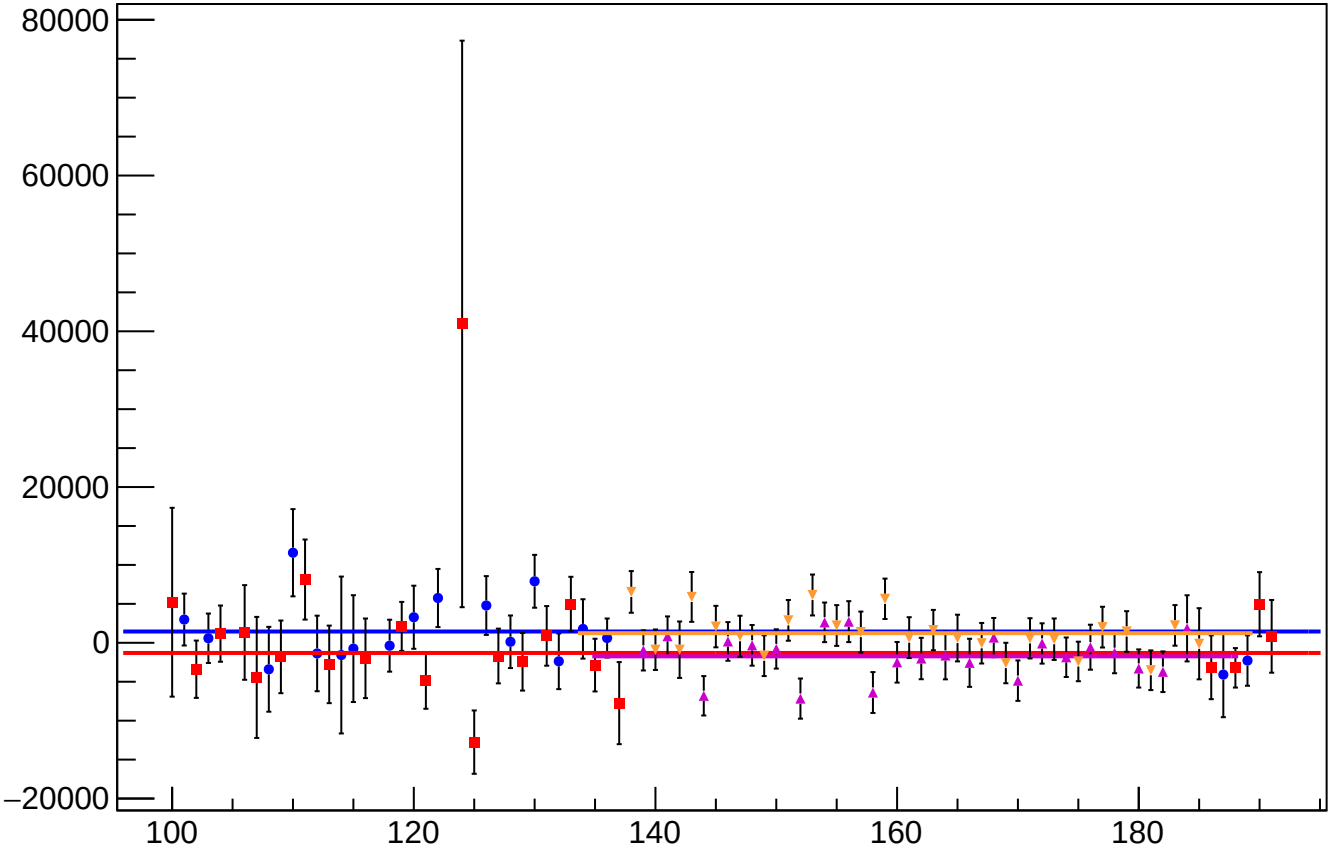
Left In: 631.199+/-0.111 χ^2/NDF:3975438.6/22

+ sign 689.223+/-0.100 χ^2/NDF: 6428412.1/42

All: 688.199+/-0.071 χ^2/NDF: 14319578.5/88

- sign 687.159+/-0.101 χ^2/NDF: 7890957.0/45

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: -1305.475+/-860.639 χ^2/NDF: 25.0/22

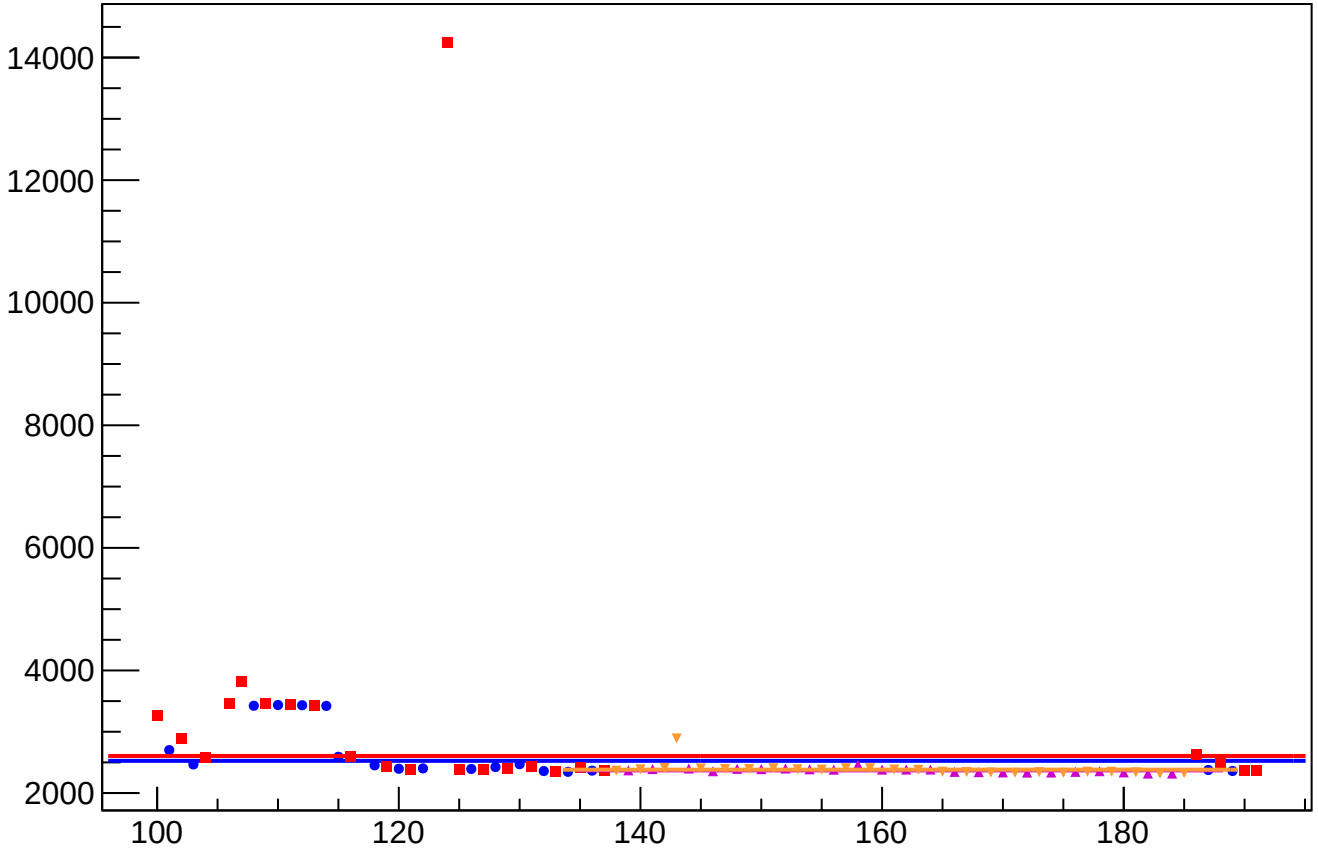
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1291.623+/-464.041 χ^2/NDF: 38.8/42

All: -157.075+/-328.602 χ^2/NDF: 107.9/88

- sign -1614.204+/-465.389 χ^2/NDF: 49.6/45

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: 2605.122+/-0.609 χ^2/NDF: 559622.1/22

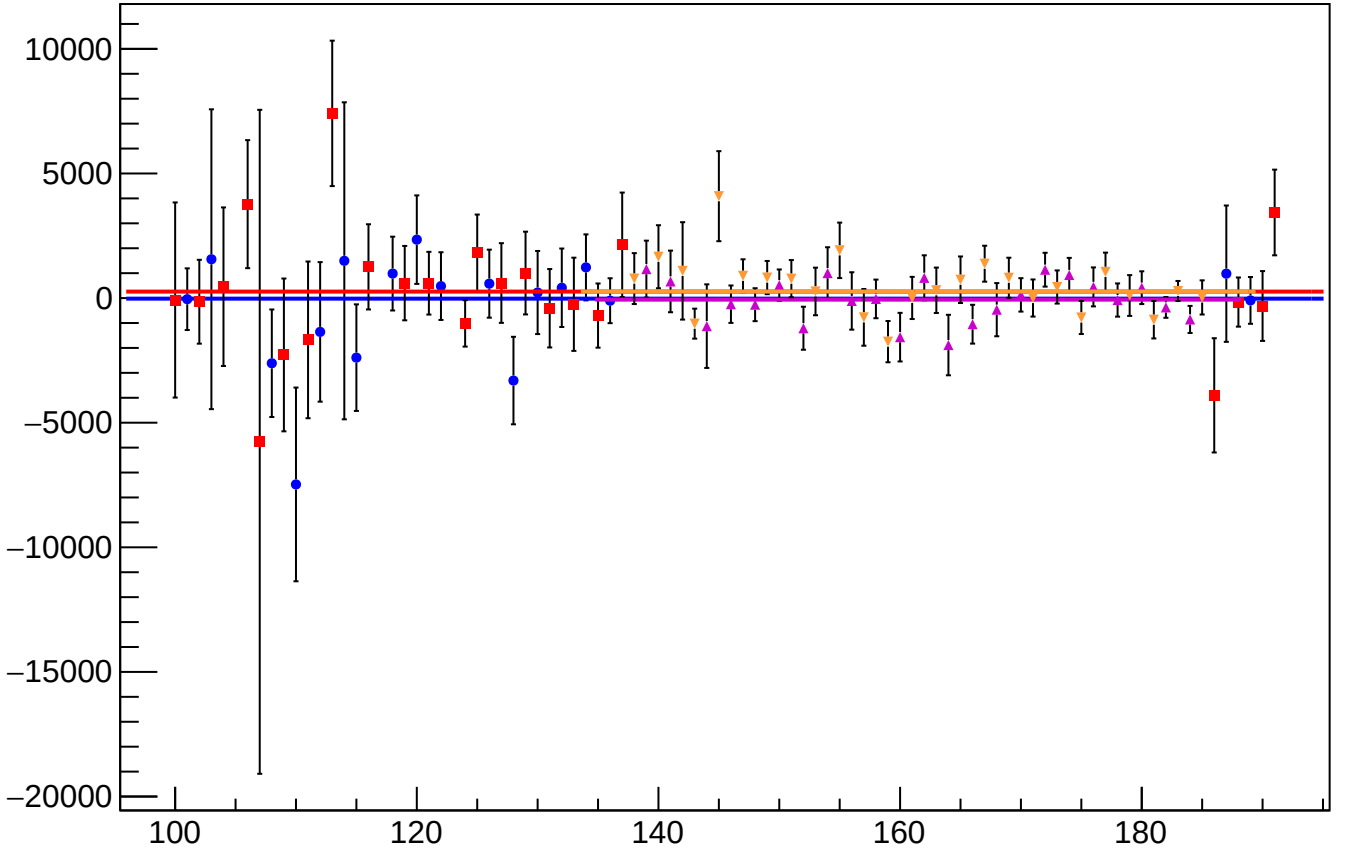
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2419.482+/-0.328 χ^2/NDF: 328436.8/42

All: 2428.872+/-0.232 χ^2/NDF: 1002912.2/88

- sign 2438.316+/-0.329 χ^2/NDF: 672832.9/45

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: 261.003+/-346.322 χ^2/NDF: 21.5/22

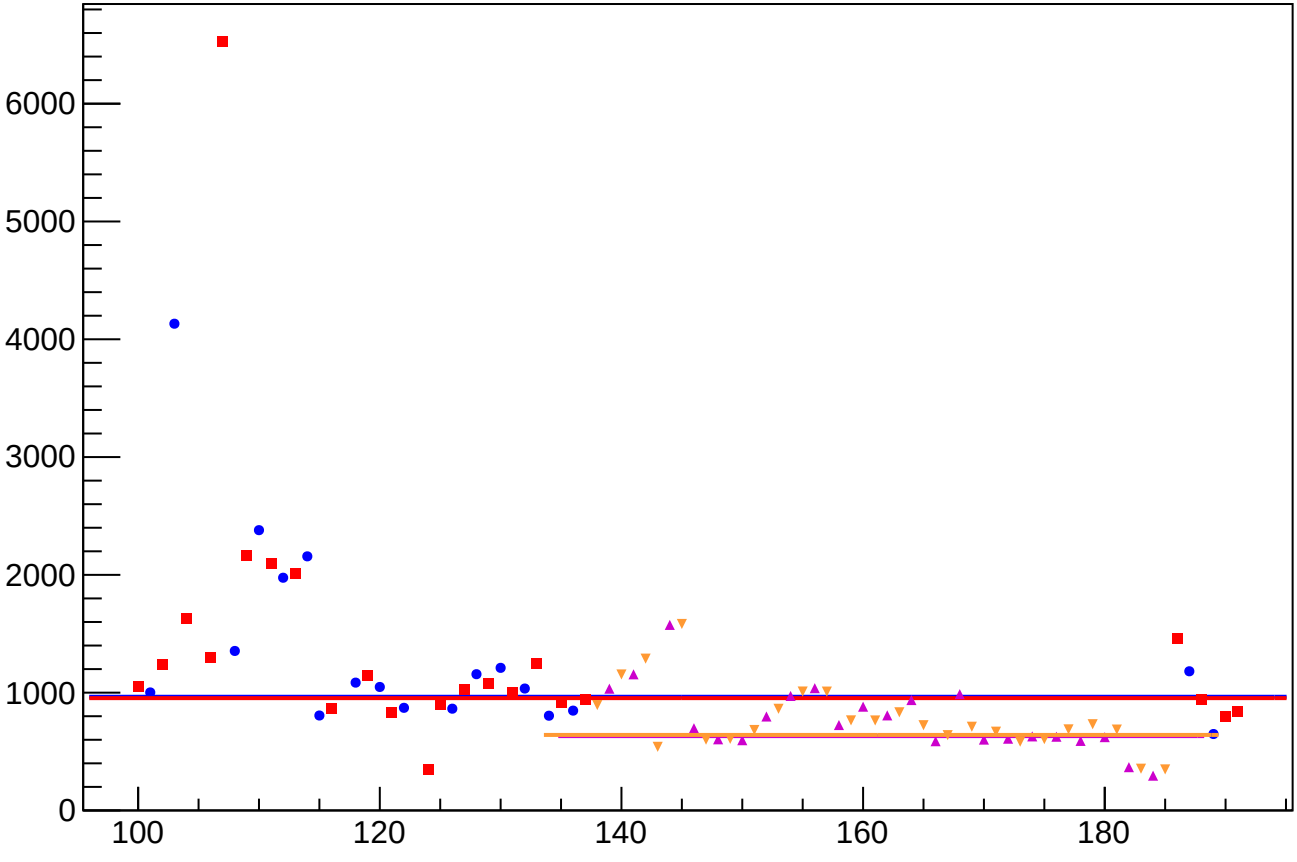
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

+ sign 219.942+/-142.129 χ^2/NDF: 45.5/42

All: 107.550+/-100.908 χ^2/NDF: 91.0/88

- sign -6.687+/-143.289 χ^2/NDF: 44.2/45

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: 953.504+/-0.245 χ^2/NDF: 2476436.8/22

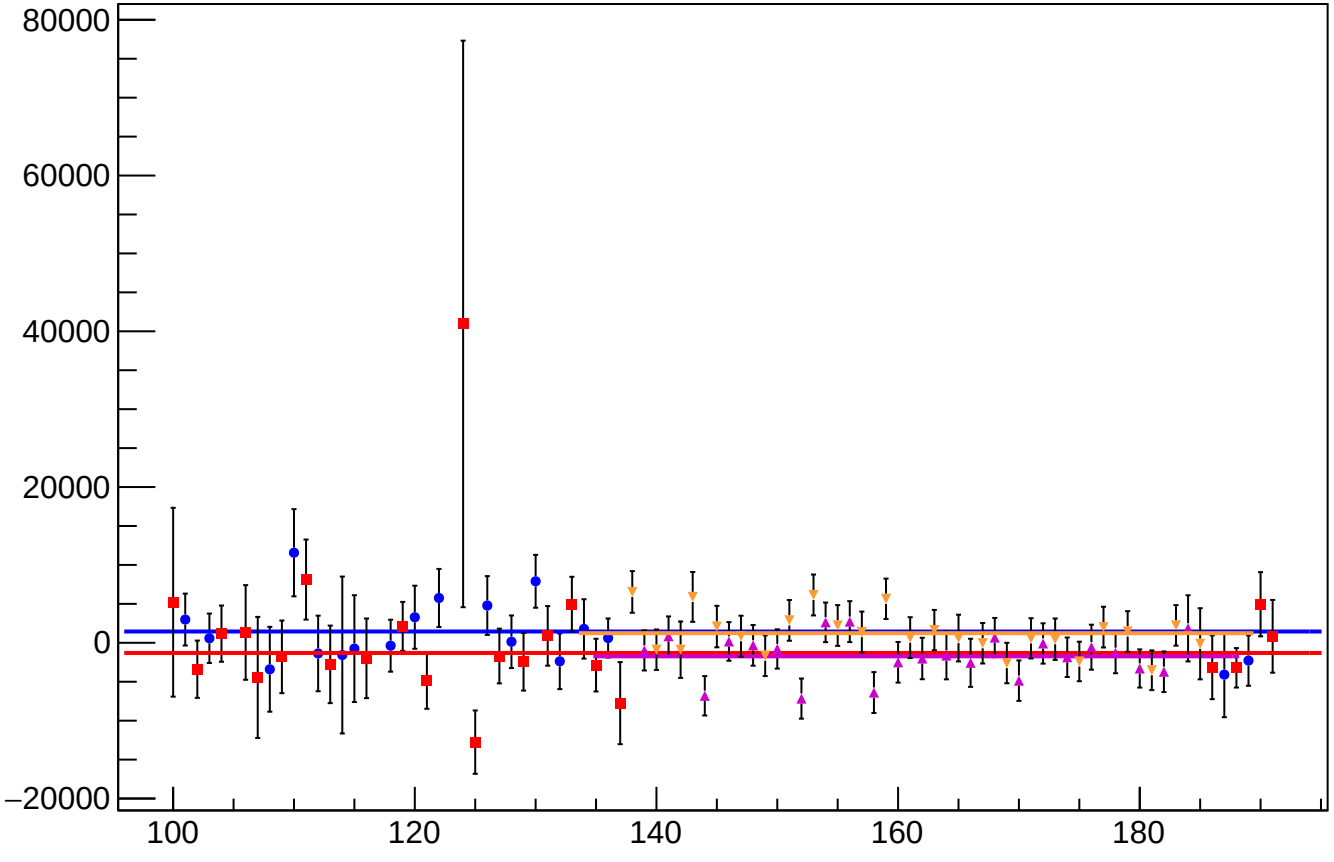
Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

+ sign 689.235+/-0.101 χ^2/NDF: 6427971.6/42

All: 687.815+/-0.071 χ^2/NDF: 14316088.8/88

- sign 686.371+/-0.101 χ^2/NDF: 7887714.3/45

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: -1305.475+/-860.639 χ^2/NDF: 25.0/22

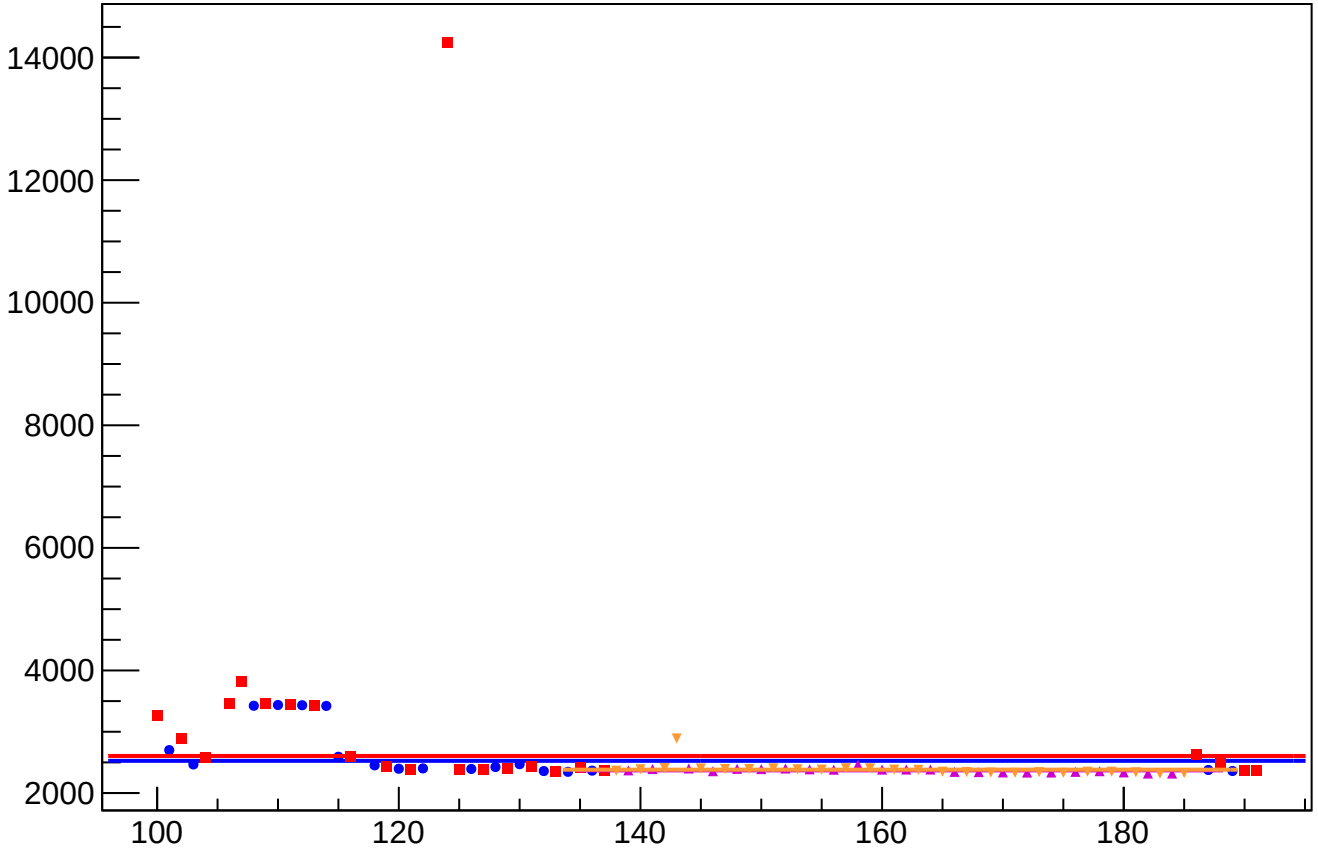
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1291.623+/-464.041 χ^2/NDF: 38.8/42

All: -157.075+/-328.602 χ^2/NDF: 107.9/88

- sign -1614.204+/-465.389 χ^2/NDF: 49.6/45

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: 2605.122+/-0.609 χ^2/NDF: 559622.1/22

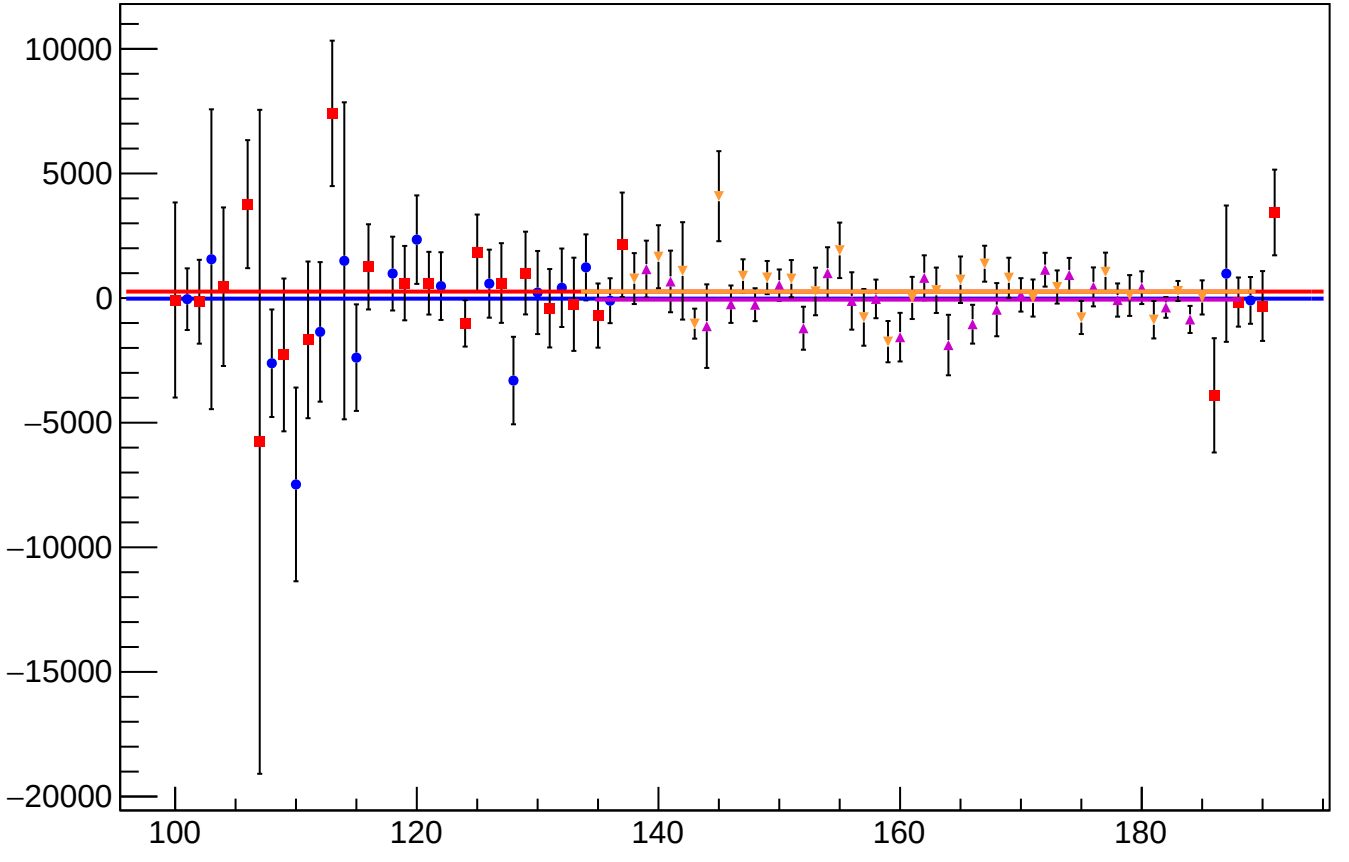
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2419.482+/-0.328 χ^2/NDF: 328436.8/42

All: 2428.872+/-0.232 χ^2/NDF: 1002912.2/88

- sign 2438.316+/-0.329 χ^2/NDF: 672832.9/45

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: 261.003+/-346.322 χ^2/NDF: 21.5/22

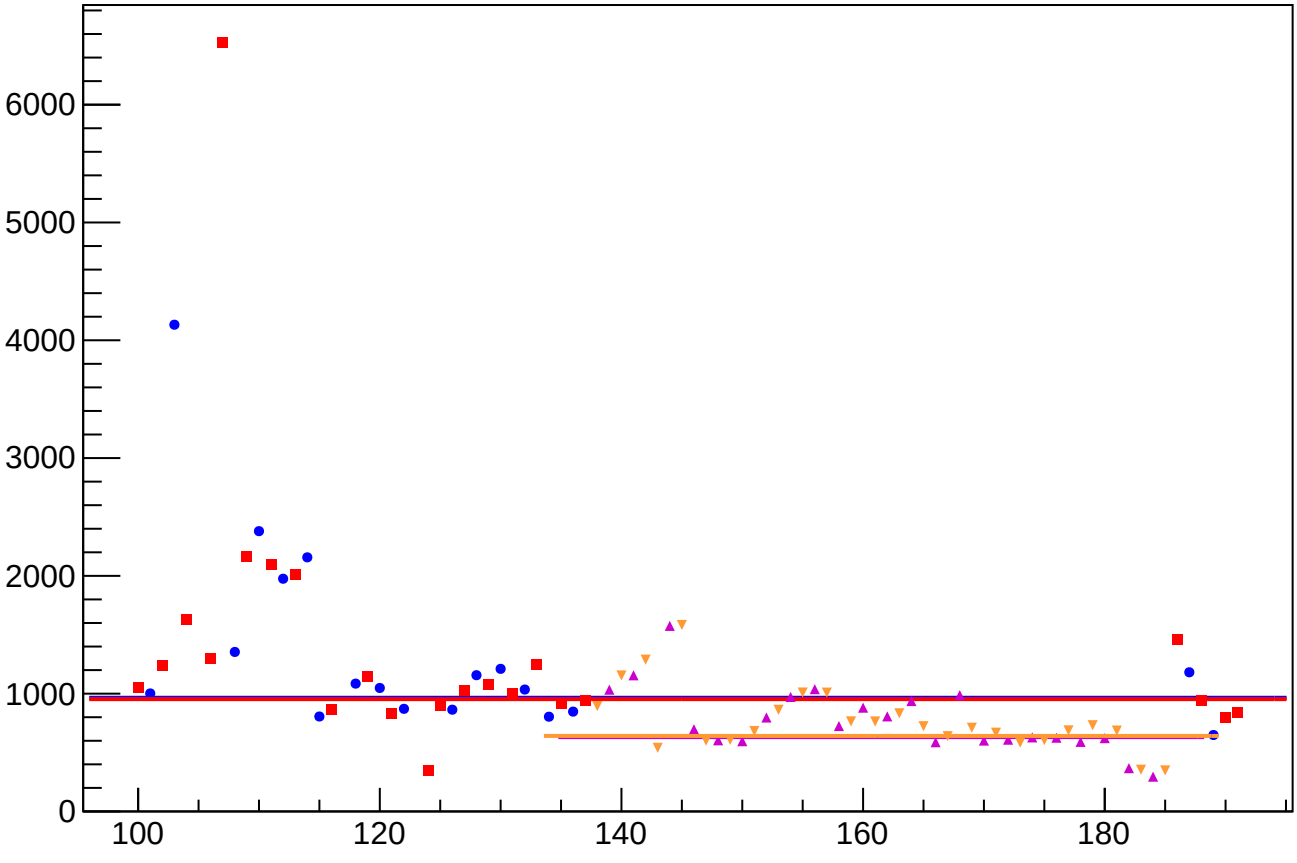
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

+ sign 219.942+/-142.129 χ^2/NDF: 45.5/42

All: 107.550+/-100.908 χ^2/NDF: 91.0/88

- sign -6.687+/-143.289 χ^2/NDF: 44.2/45

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: 953.504+/-0.245 χ^2/NDF: 2476436.8/22

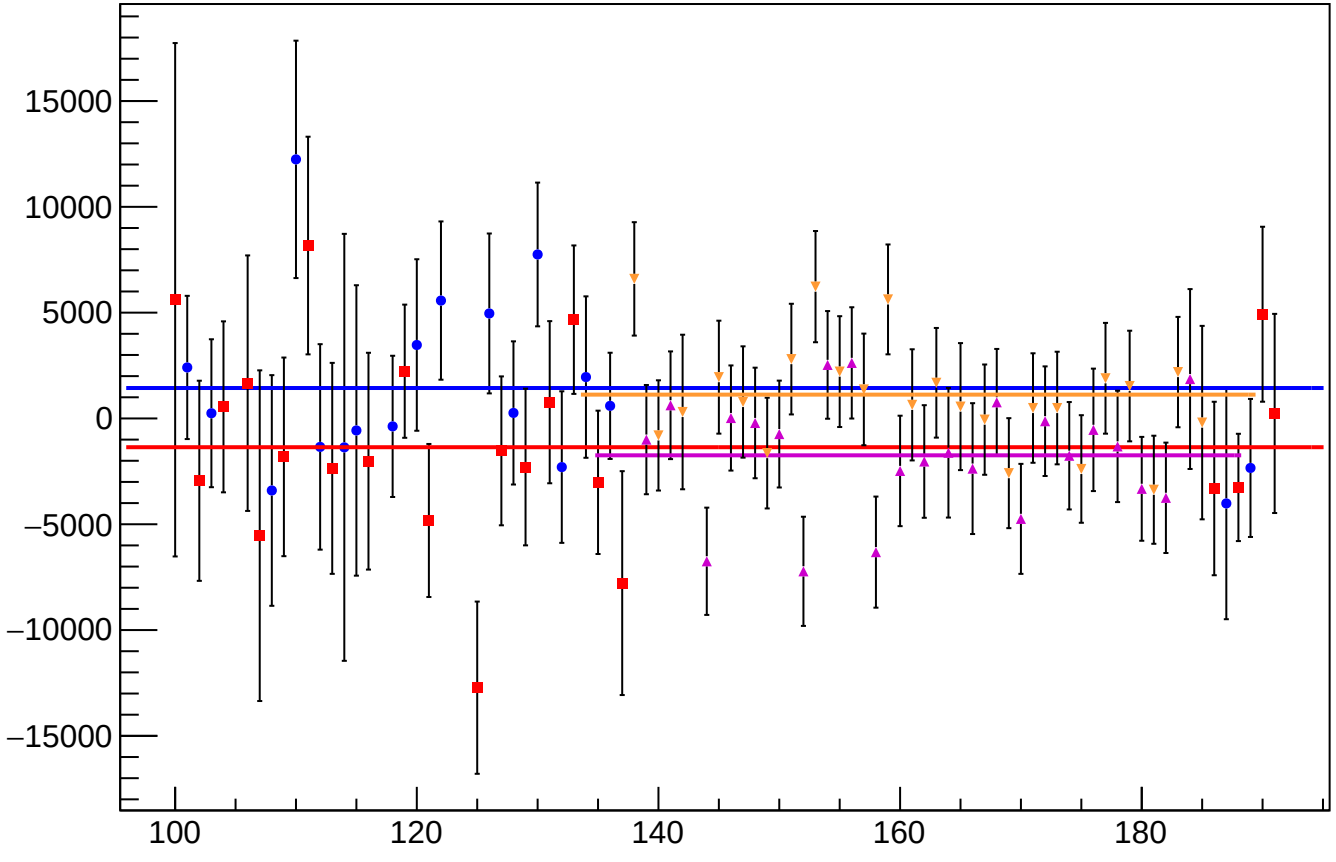
Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

+ sign 689.235+/-0.101 χ^2/NDF: 6427971.6/42

All: 687.815+/-0.071 χ^2/NDF: 14316088.8/88

- sign 686.371+/-0.101 χ^2/NDF: 7887714.3/45

dit_asym_atl1_mean vs Slug



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: -1359.212+/-876.786 χ^2/NDF: 23.0/21

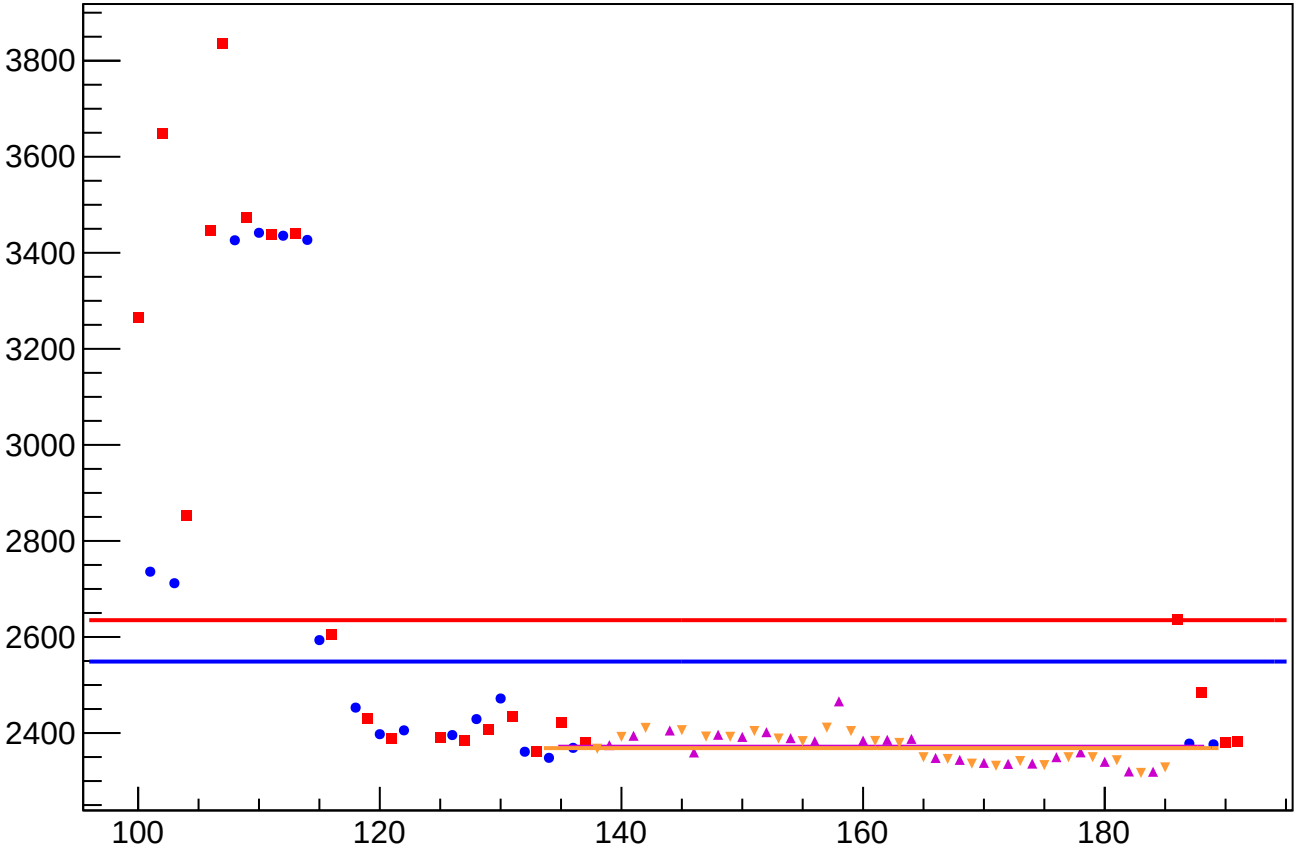
Left In: -1742.304+/-553.755 χ^2/NDF:23.8/22

+ sign 1209.227+/-470.620 χ^2/NDF: 36.3/41

All: -219.264+/-331.918 χ^2/NDF: 101.5/86

- sign -1633.068+/-468.195 χ^2/NDF: 46.9/44

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: 2635.010+/-0.620 χ^2/NDF: 444802.9/21

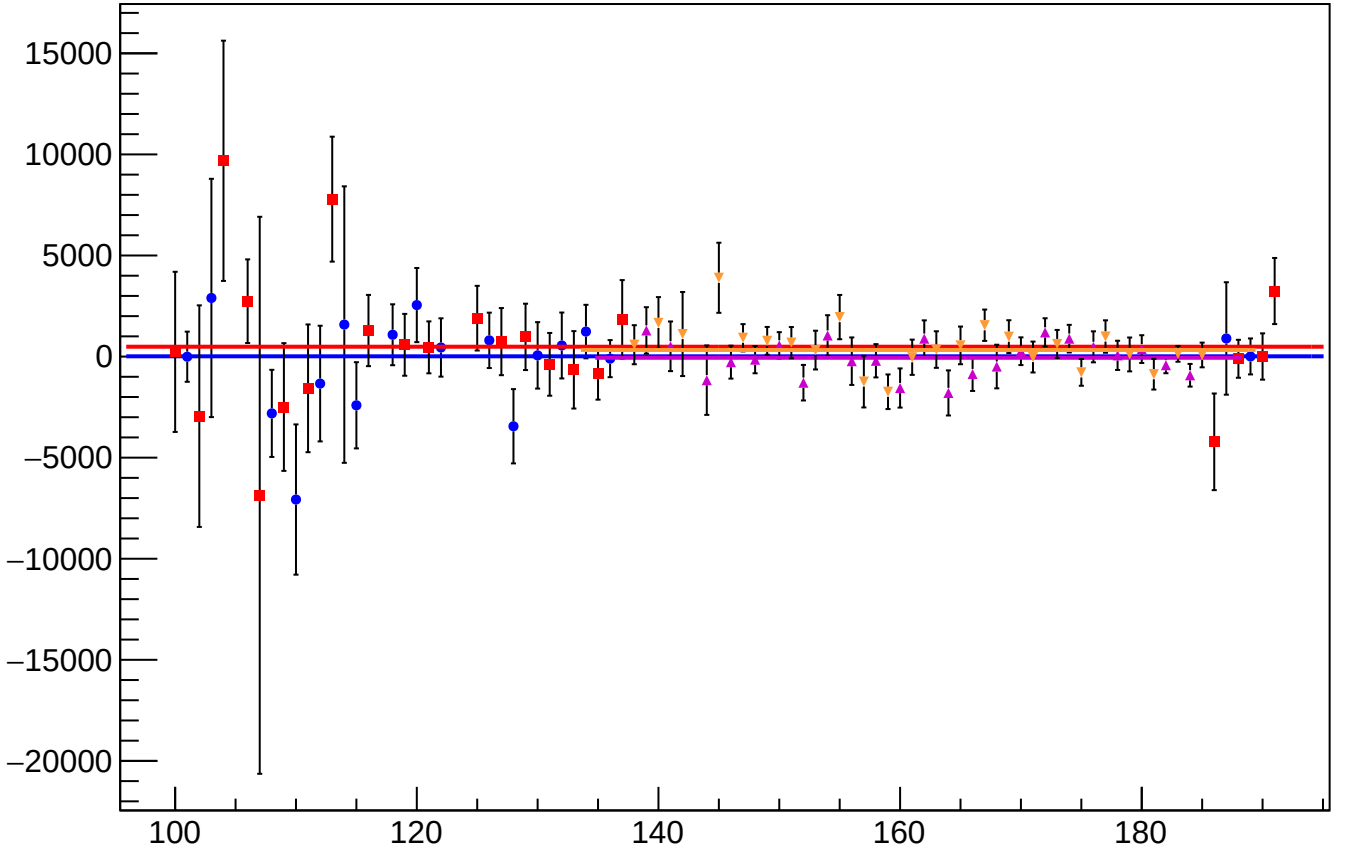
Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

+ sign 2416.768+/-0.333 χ^2/NDF: 300970.5/41

All: 2431.787+/-0.235 χ^2/NDF: 886000.8/86

- sign 2446.652+/-0.331 χ^2/NDF: 580977.5/44

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: 487.686+/-373.689 χ^2/NDF: 21.8/21

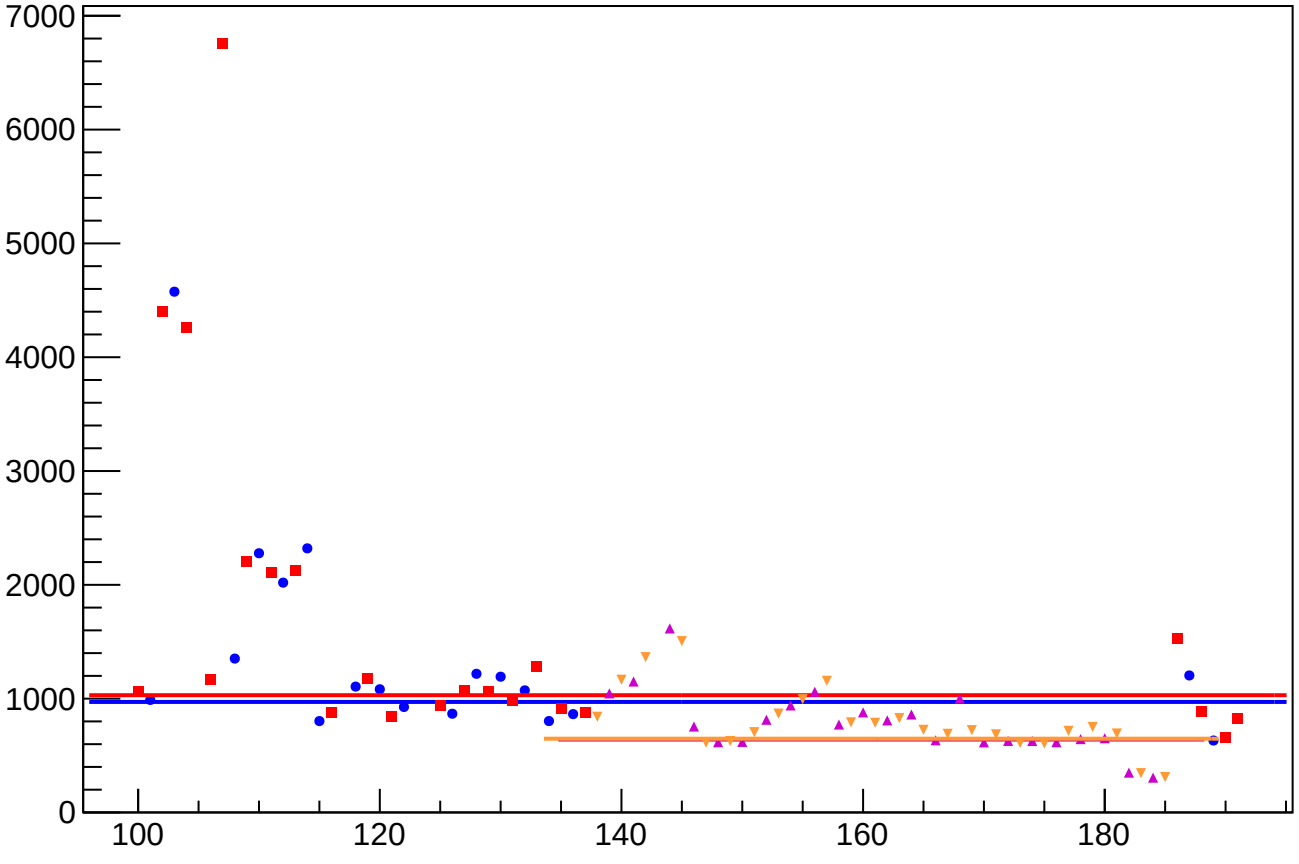
Left In: -59.619+/-159.669 χ^2/NDF:22.7/22

\+ sign 276.781+/-146.934 χ^2/NDF: 42.0/41

All: 150.738+/-103.860 χ^2/NDF: 89.8/86

\- sign 24.875+/-146.828 χ^2/NDF: 46.3/44

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

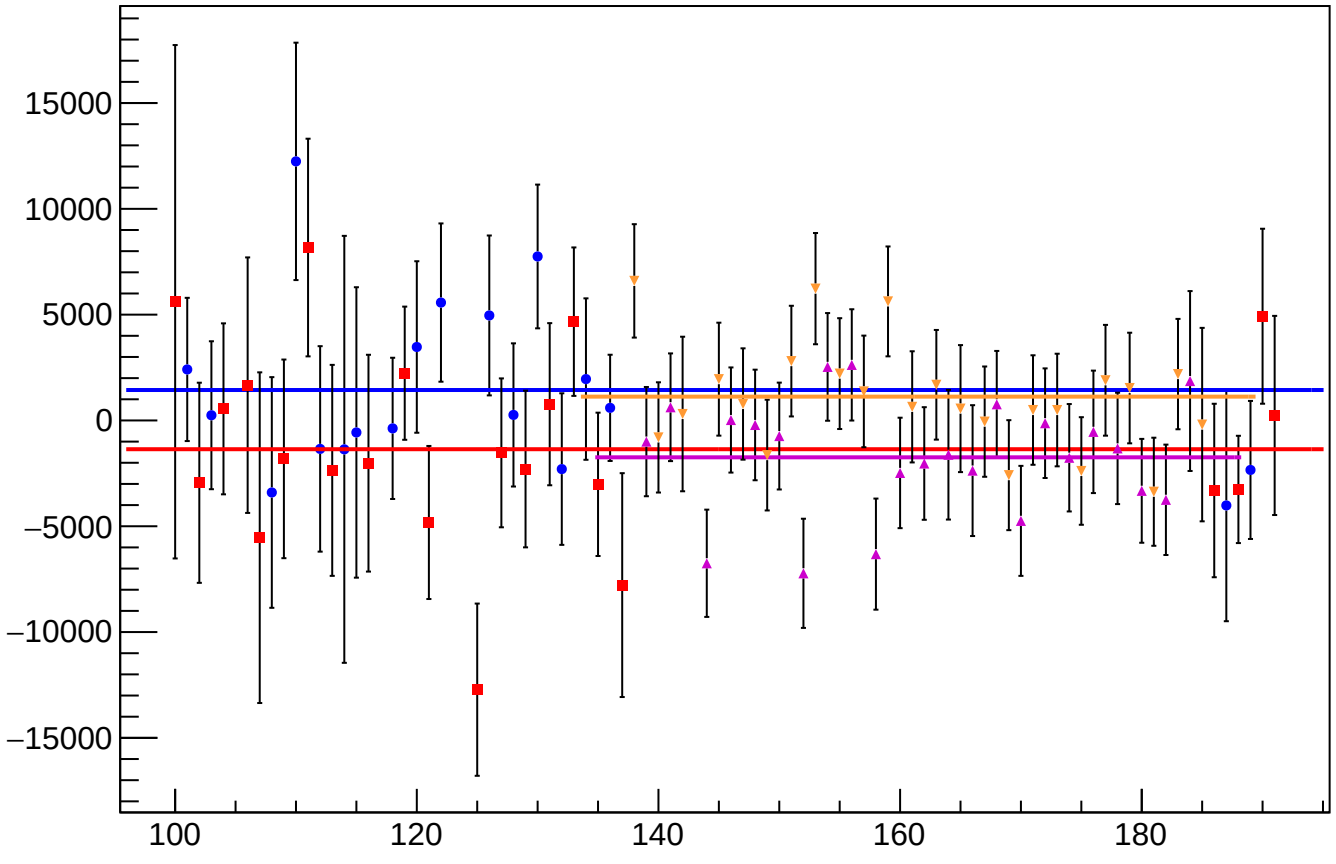
Right Out: 1030.246+/-0.264 χ^2/NDF: 2994542.3/21

Left In: 640.422+/-0.113 χ^2/NDF:4128760.4/22

+ sign 698.847+/-0.104 χ^2/NDF: 7065081.3/41

All: 699.726+/-0.073 χ^2/NDF: 16028960.9/86

- sign 700.604+/-0.104 χ^2/NDF: 8963736.5/44



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: -1359.210+/-876.786 χ^2/NDF: 23.0/21

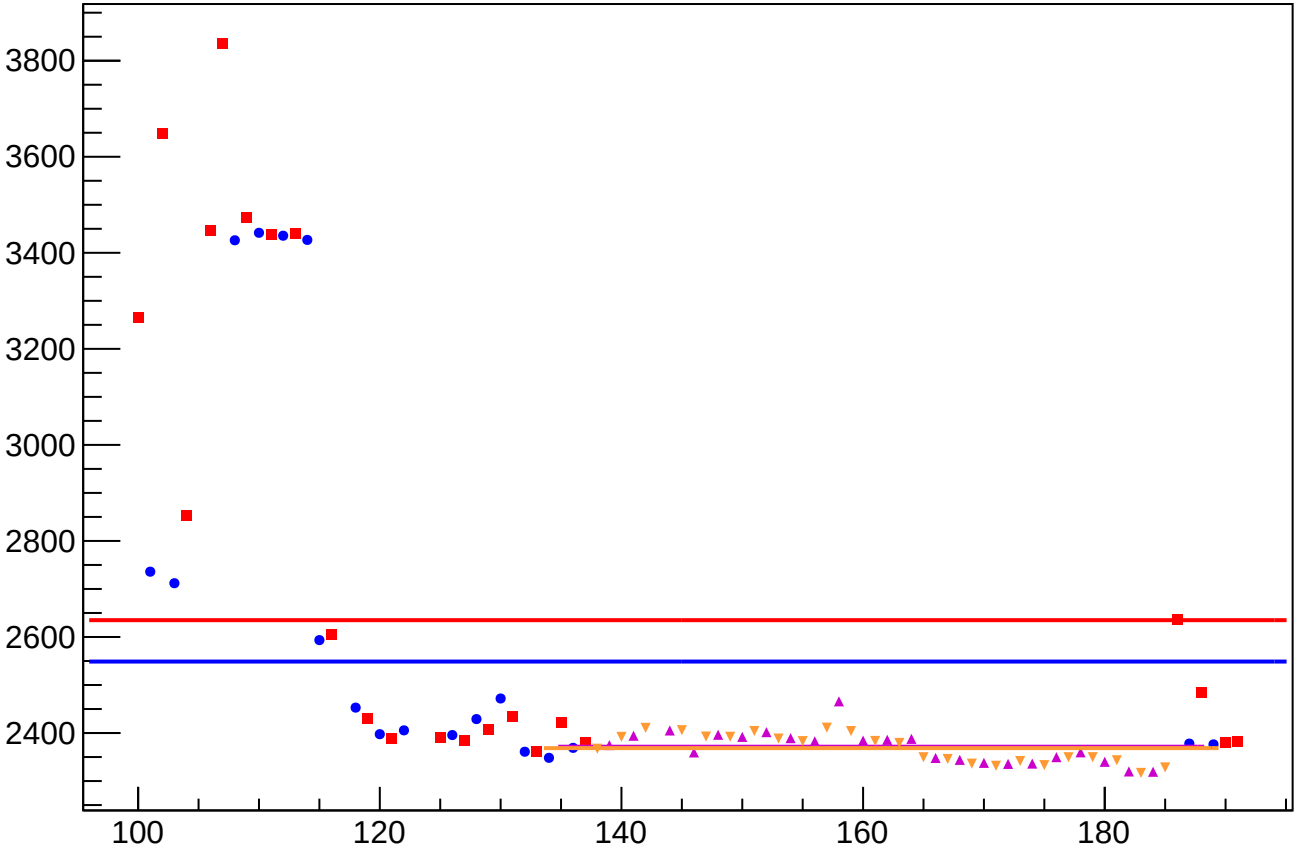
Left In: -1742.305+/-553.755 χ^2/NDF:23.8/22

+ sign 1209.226+/-470.620 χ^2/NDF: 36.3/41

All: -219.264+/-331.918 χ^2/NDF: 101.5/86

- sign -1633.067+/-468.195 χ^2/NDF: 46.9/44

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: 2635.010+/-0.620 χ^2/NDF: 444802.2/21

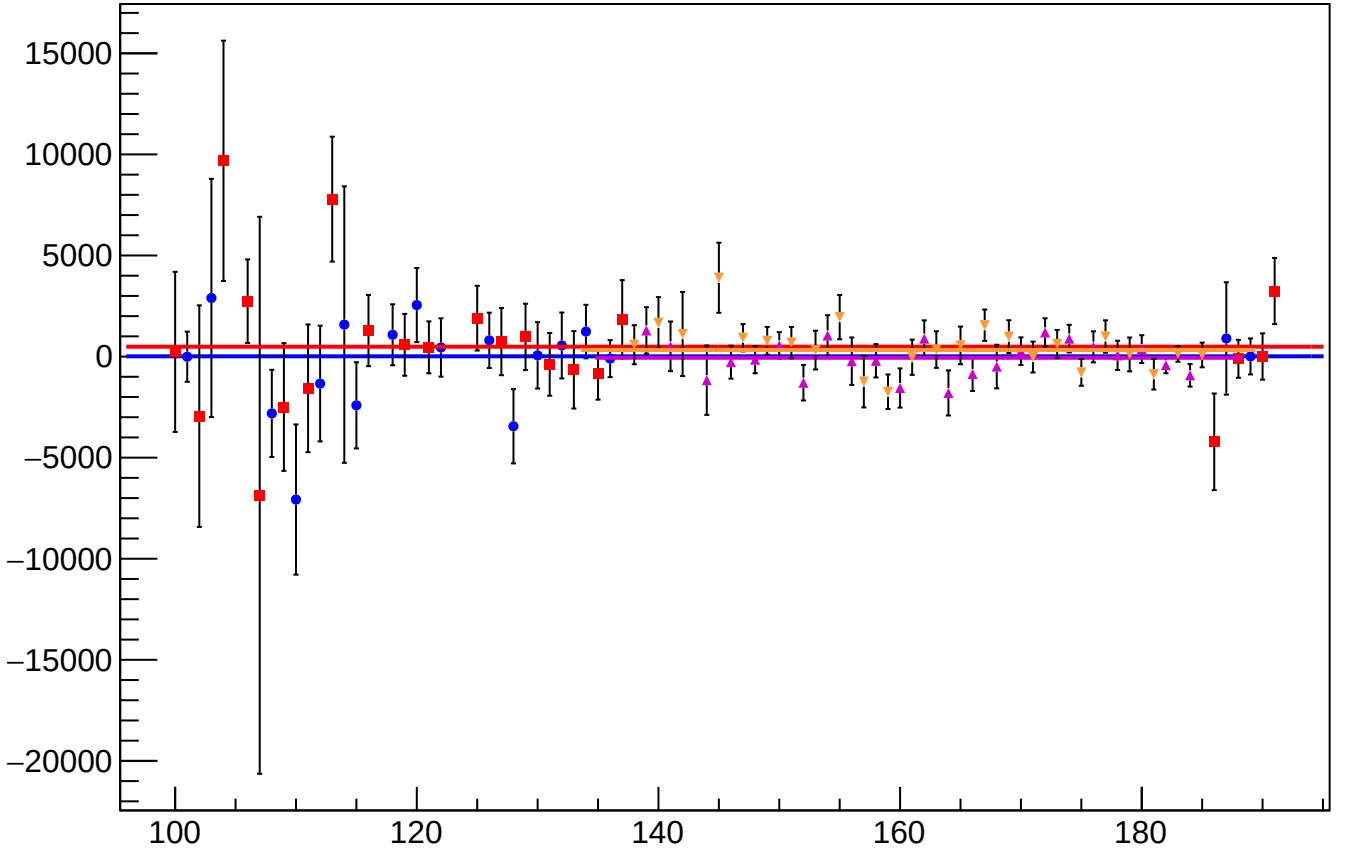
Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

+ sign 2416.768+/-0.333 χ^2/NDF: 300970.0/41

All: 2431.787+/-0.235 χ^2/NDF: 885999.4/86

- sign 2446.652+/-0.331 χ^2/NDF: 580976.5/44

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: 487.685+/-373.689 χ^2/NDF: 21.8/21

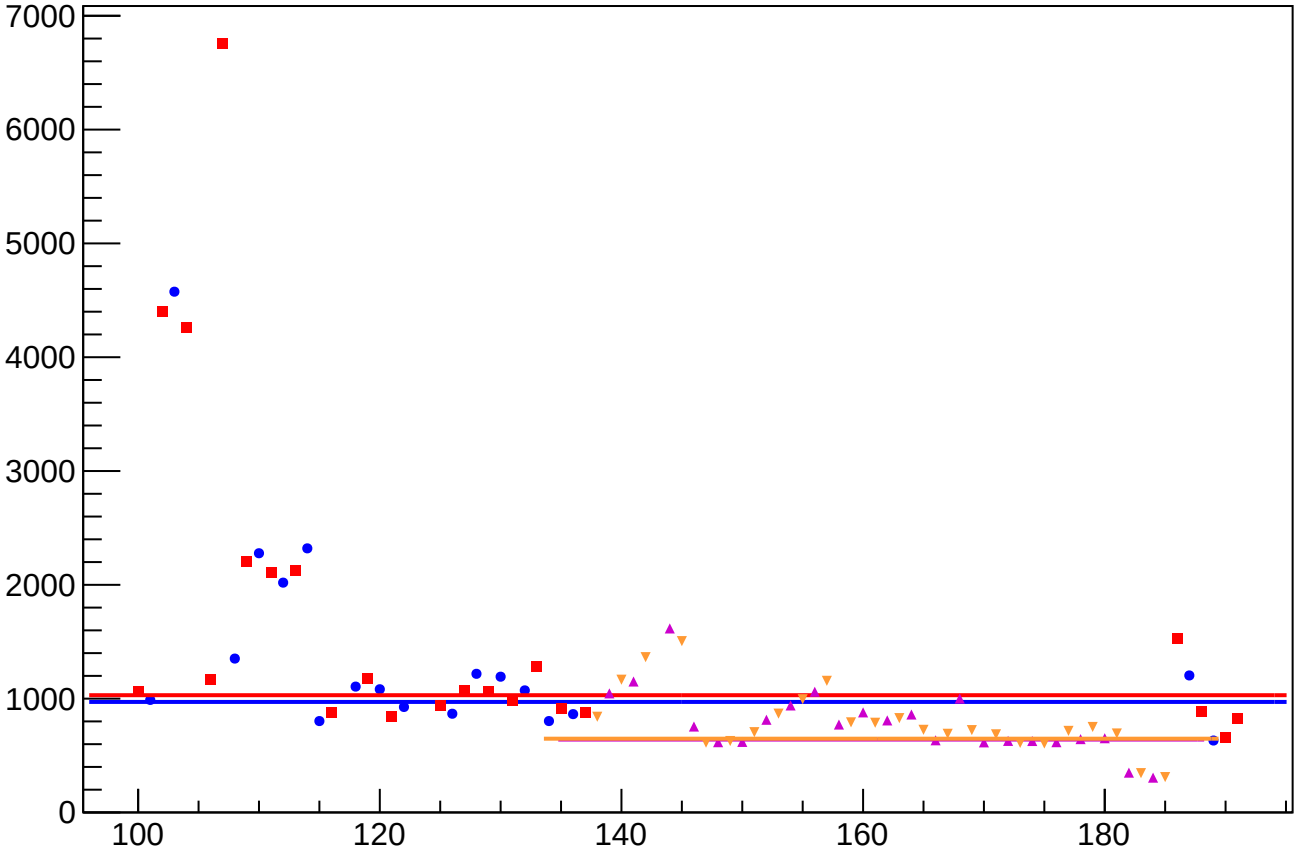
Left In: -59.619+/-159.670 χ^2/NDF:22.7/22

+ sign 276.781+/-146.934 χ^2/NDF: 42.0/41

All: 150.737+/-103.861 χ^2/NDF: 89.8/86

- sign 24.875+/-146.828 χ^2/NDF: 46.3/44

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: 1030.245+/-0.264 χ^2/NDF: 2994542.9/21

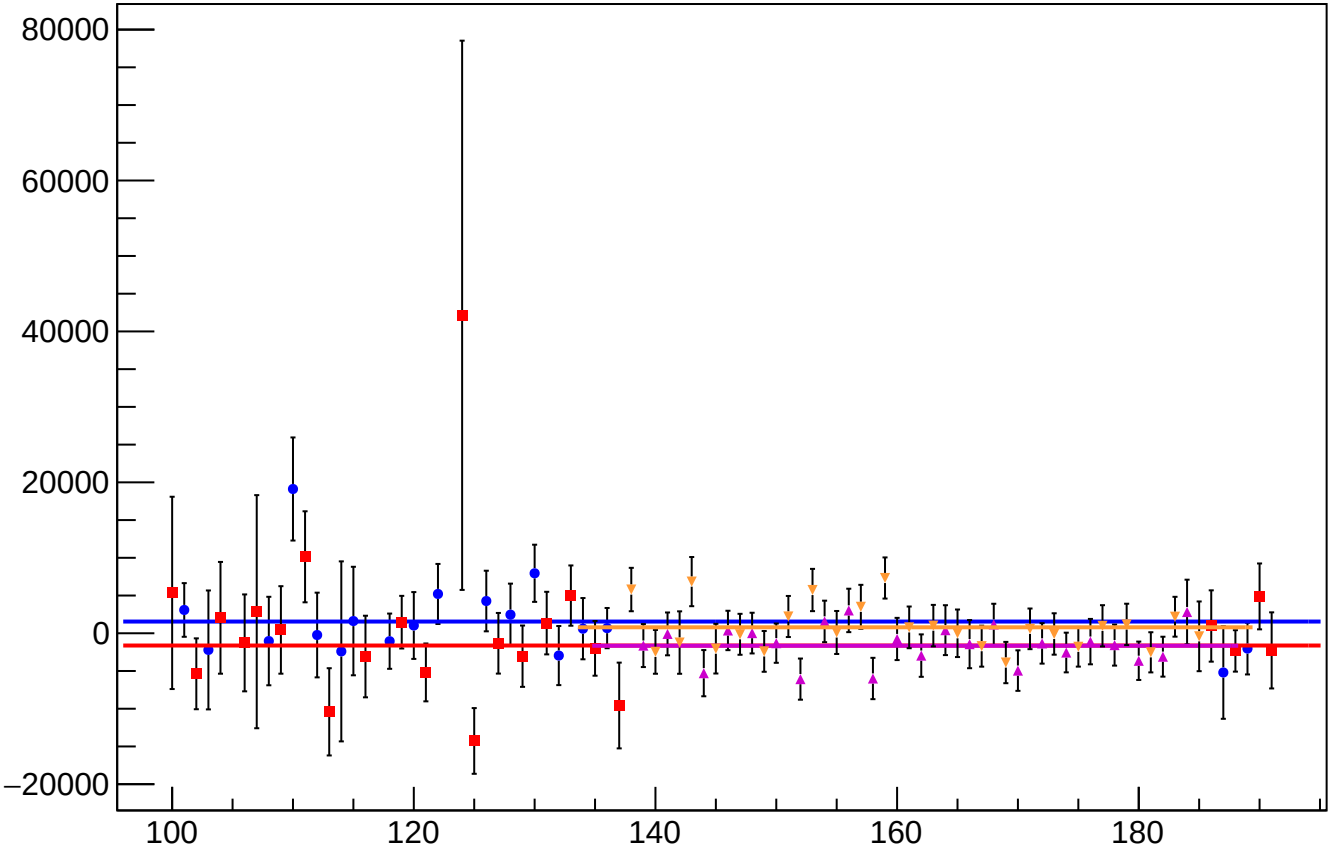
Left In: 640.423+/-0.113 χ^2/NDF:4128774.2/22

+ sign 698.848+/-0.104 χ^2/NDF: 7065082.1/41

All: 699.727+/-0.073 χ^2/NDF: 16028965.1/86

- sign 700.604+/-0.104 χ^2/NDF: 8963739.9/44

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: -1624.028+/-979.144 χ^2/NDF: 27.1/22

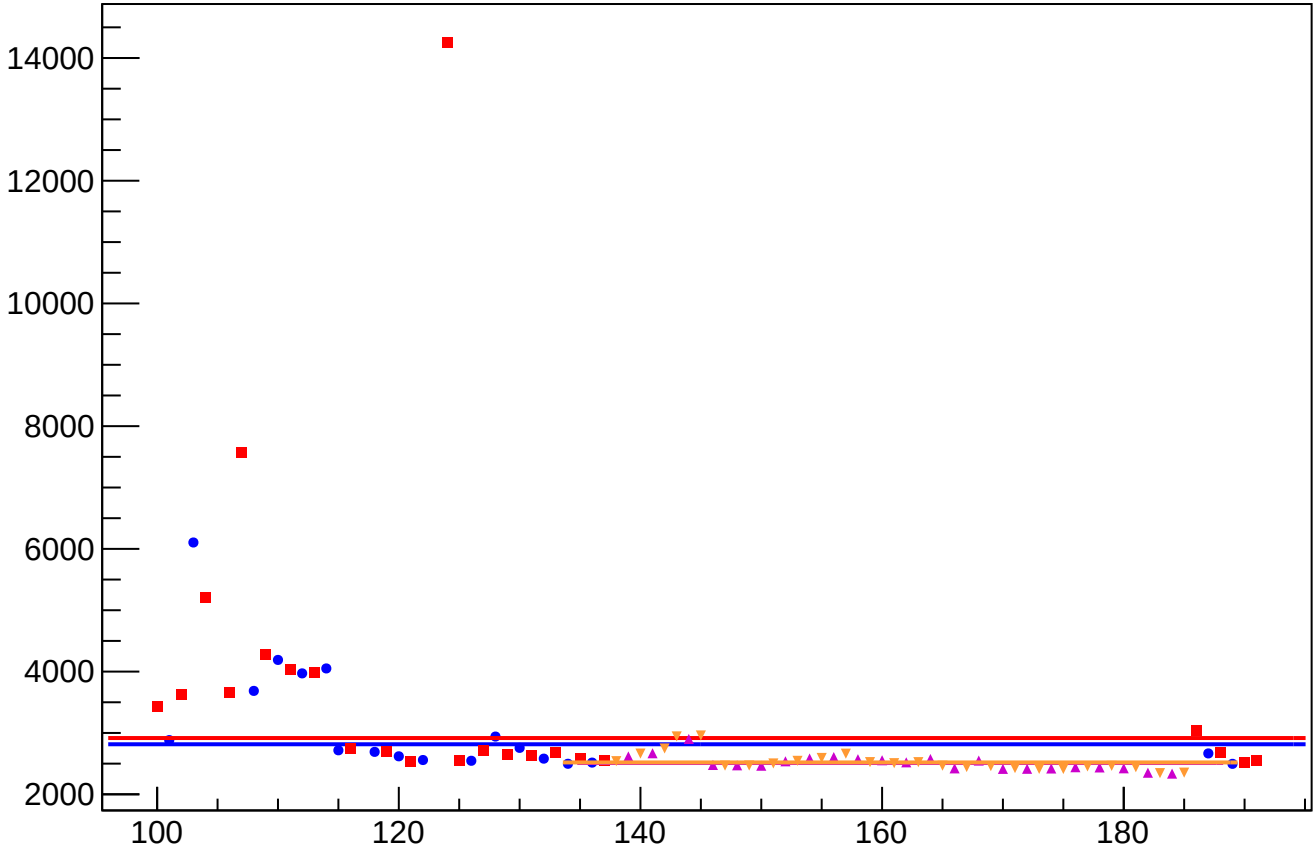
Left In: -1654.626+/-586.767 χ^2/NDF:17.3/22

+ sign 974.200+/-499.722 χ^2/NDF: 43.5/42

All: -326.791+/-354.619 χ^2/NDF: 101.5/88

- sign -1646.541+/-503.312 χ^2/NDF: 44.4/45

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: 2917.052+/-0.692 χ^2/NDF: 1031772.5/22

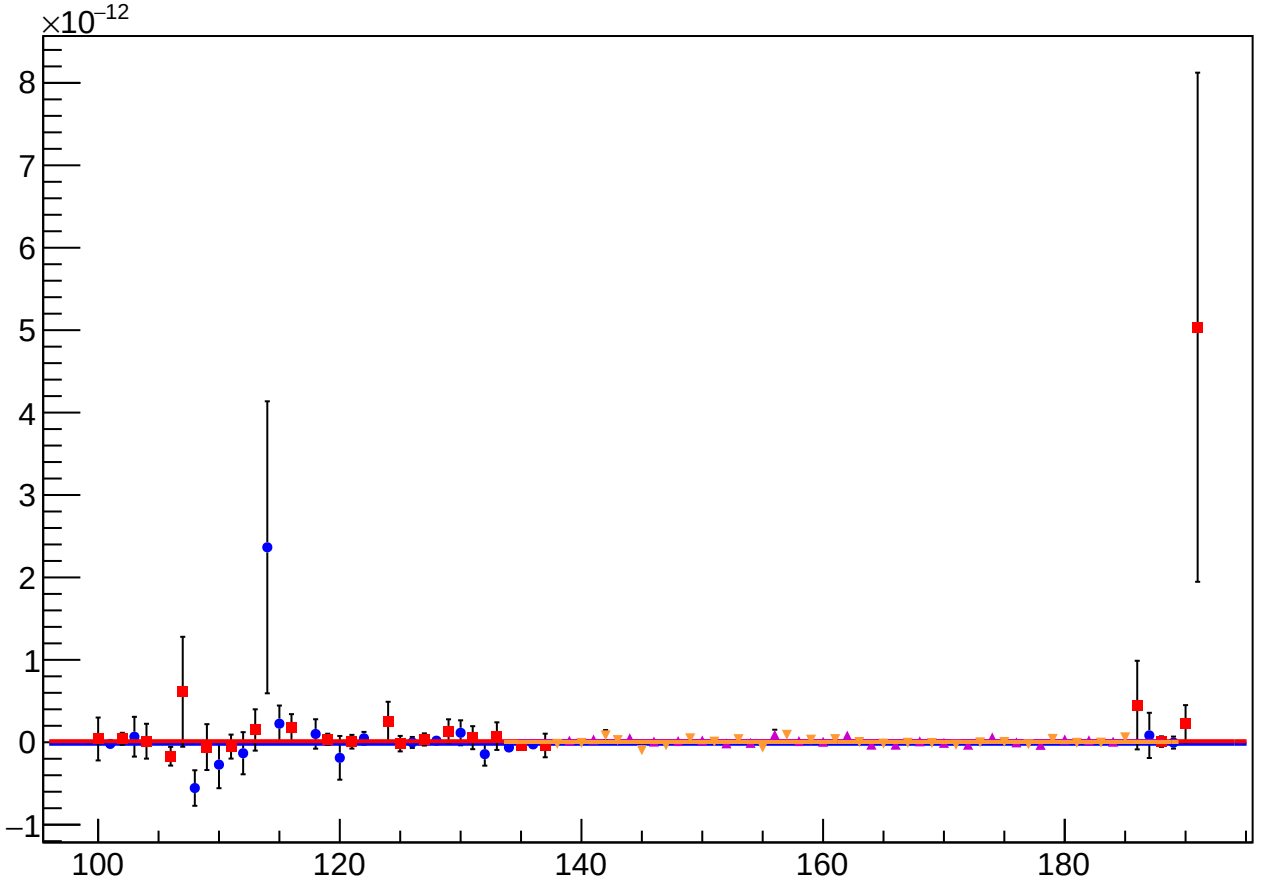
Left In: 2510.156+/-0.415 χ^2/NDF:73771.4/22

+ sign 2590.615+/-0.353 χ^2/NDF: 912809.8/42

All: 2604.046+/-0.251 χ^2/NDF: 2275388.0/88

- sign 2617.670+/-0.356 χ^2/NDF: 1359668.1/45

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

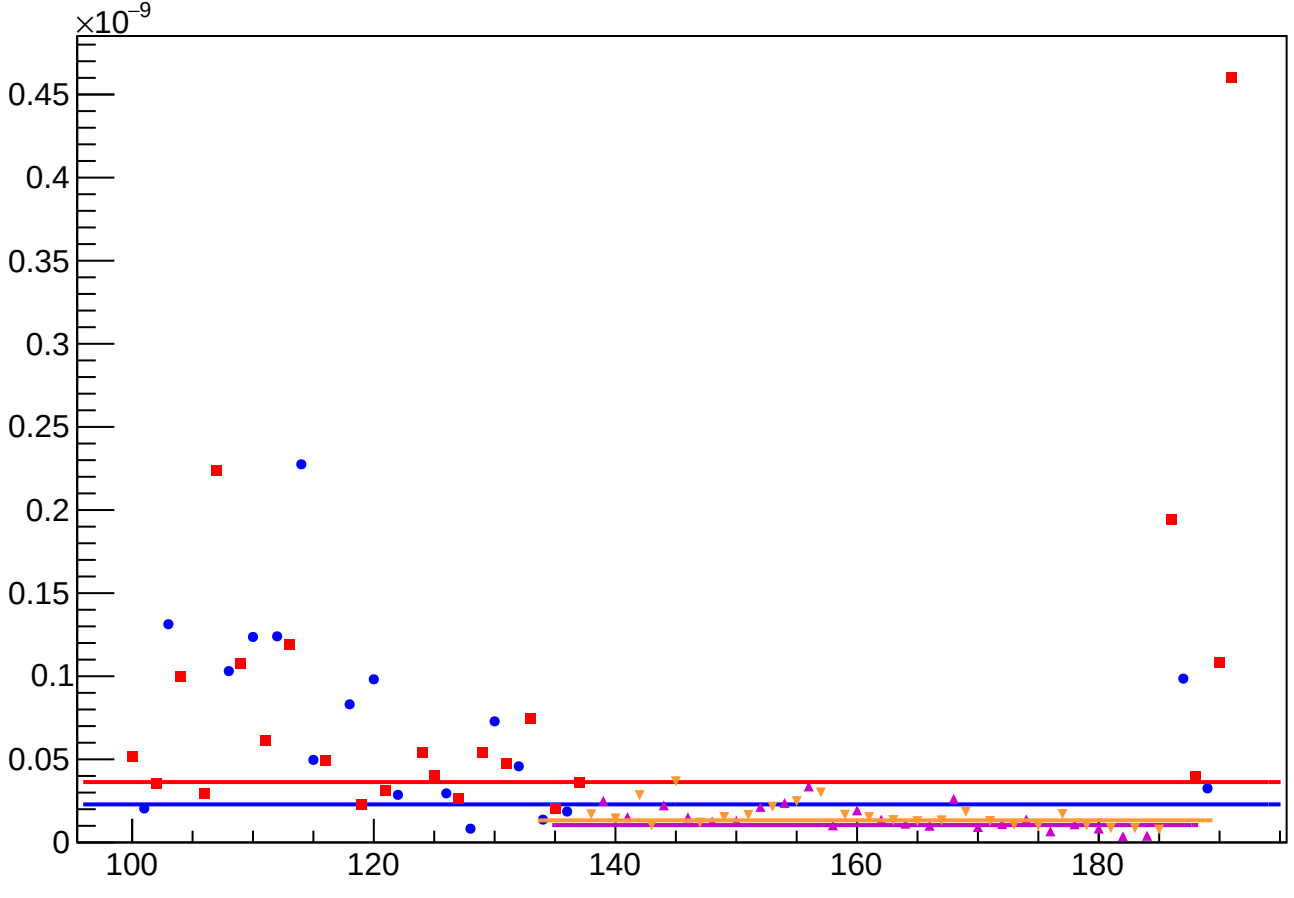
Right Out: 0.000+/-0.000 χ^2/NDF: 12.5/22

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: 93.6/88

- sign 0.000+/-0.000 χ^2/NDF: 44.8/45



Right In: 0.000+/-0.000 χ^2/NDF: 2535818.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:1472019.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1668692.9/22

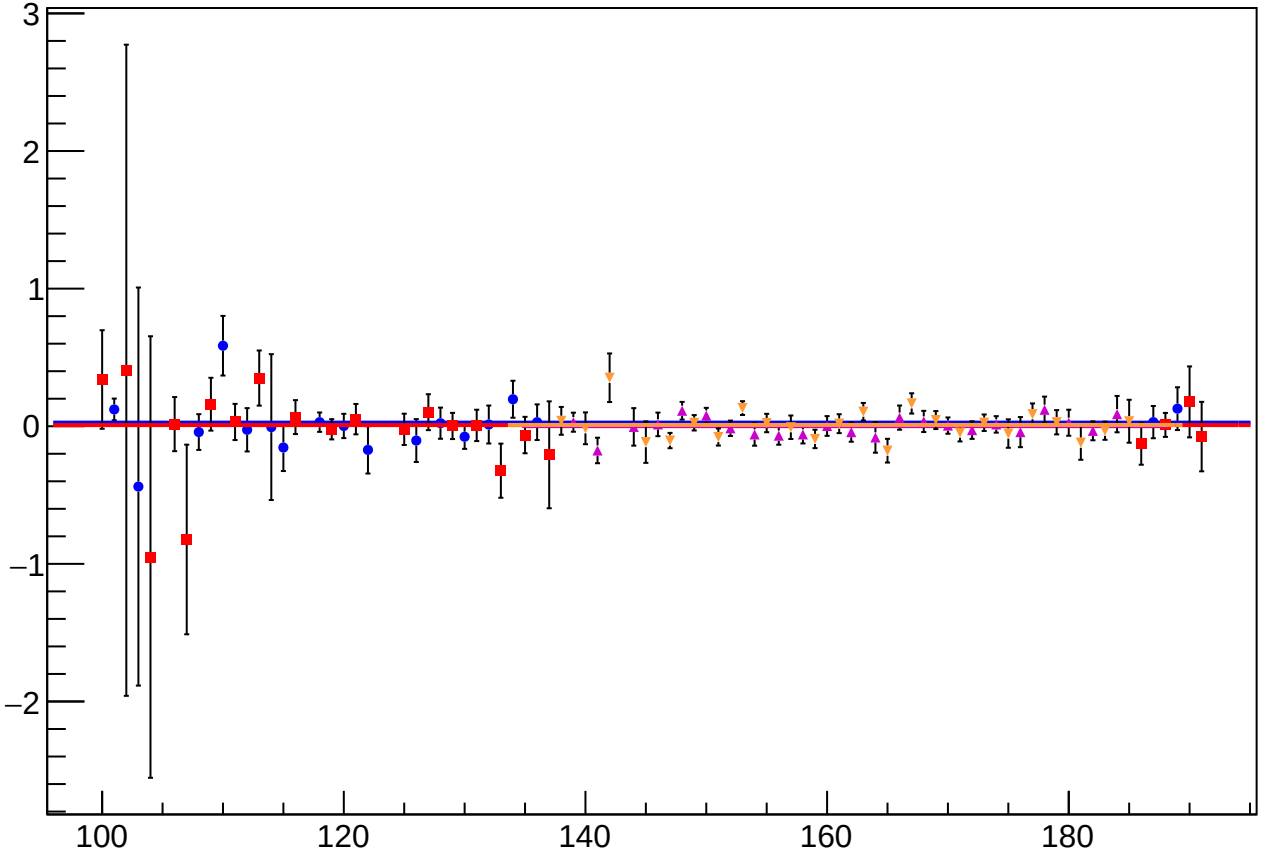
Left In: 0.000+/-0.000 χ^2/NDF:2813965.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 4612474.4/42

All: 0.000+/-0.000 χ^2/NDF: 11871576.0/88

- sign 0.000+/-0.000 χ^2/NDF: 6973208.4/45

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: 0.008+/-0.030 χ^2/NDF: 12.2/21

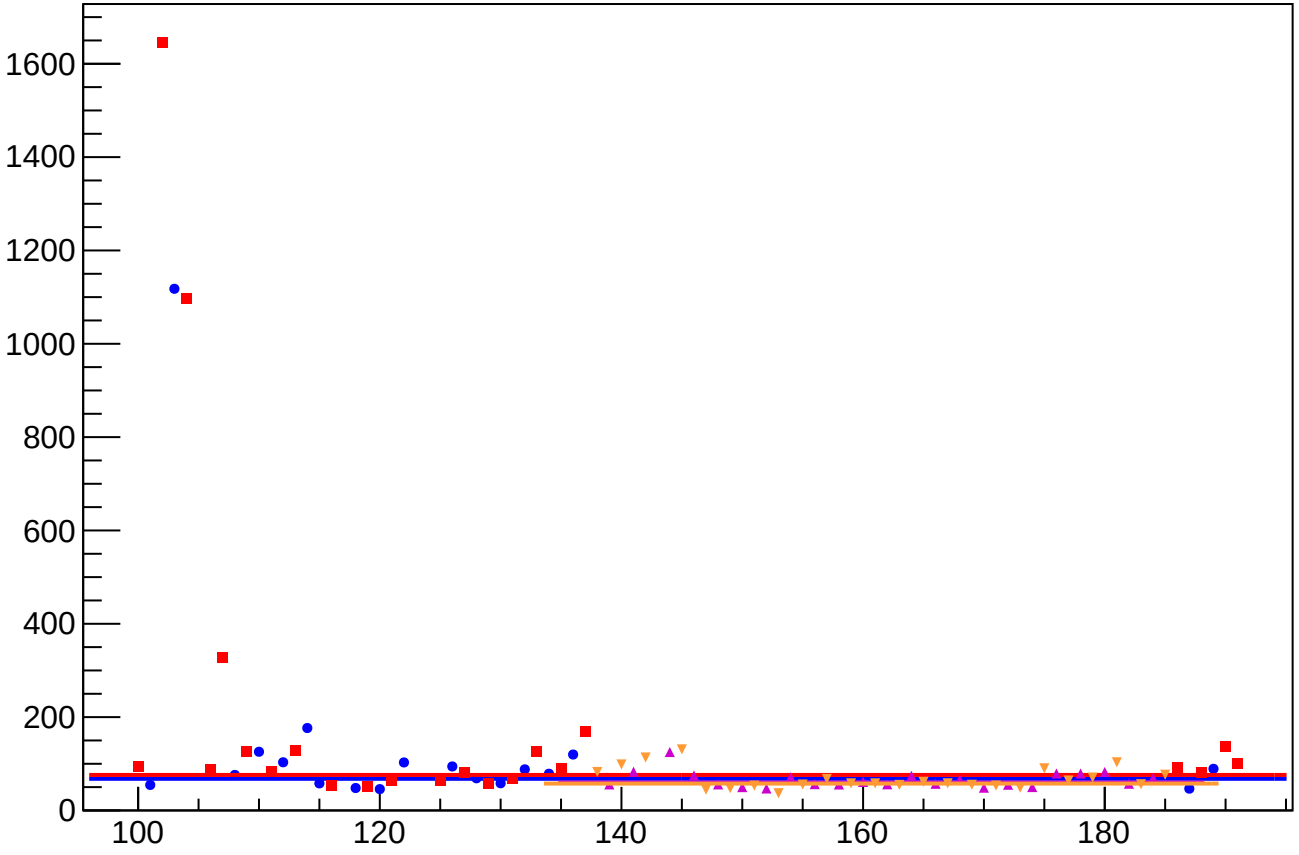
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.013+/-0.013 χ^2/NDF: 50.2/41

All: 0.008+/-0.010 χ^2/NDF: 78.4/86

- sign 0.002+/-0.014 χ^2/NDF: 27.8/44

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: 76.100+/-0.021 χ^2/NDF: 3093536.6/21

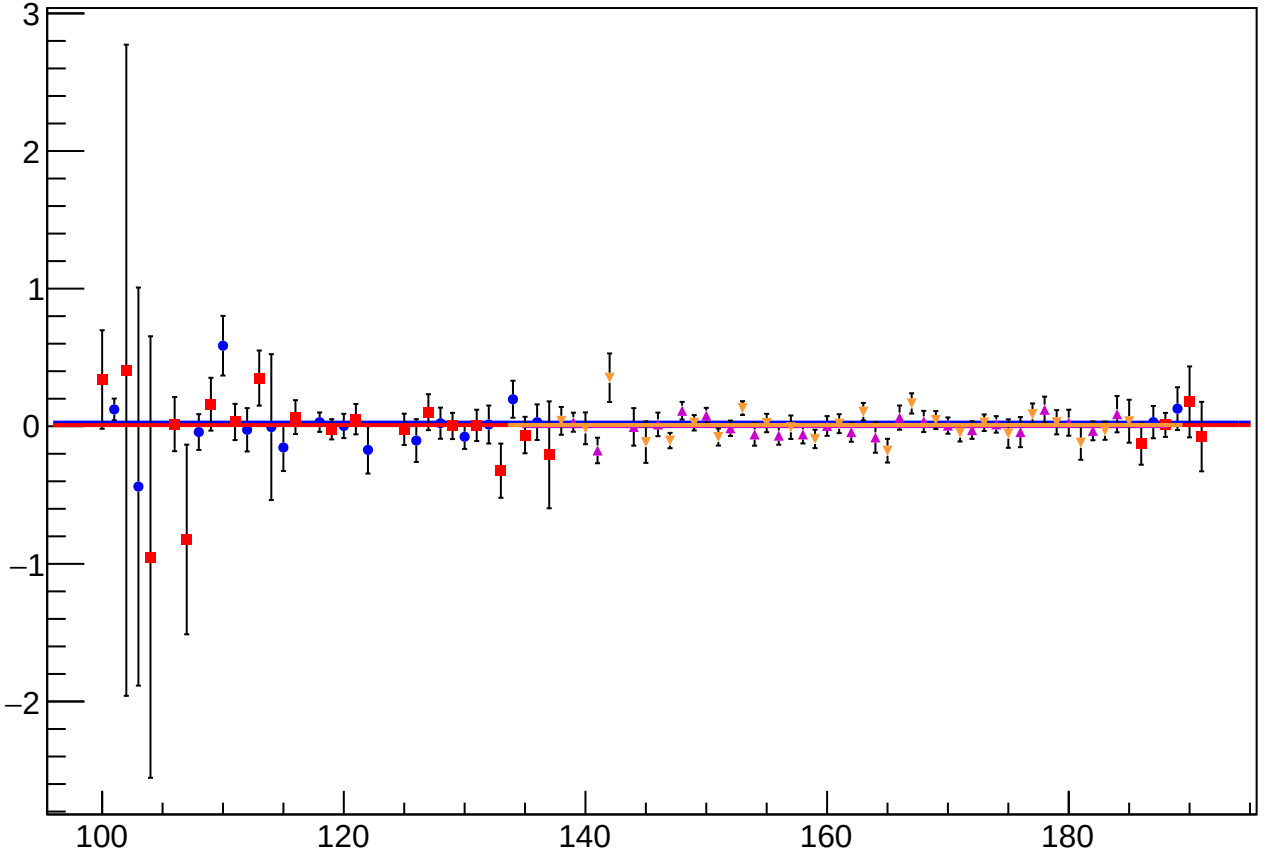
Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

+ sign 59.826+/-0.009 χ^2/NDF: 4793854.3/41

All: 61.472+/-0.007 χ^2/NDF: 9750977.7/86

- sign 63.222+/-0.010 χ^2/NDF: 4894538.6/44

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: 0.008+/-0.030 χ^2/NDF: 12.2/21

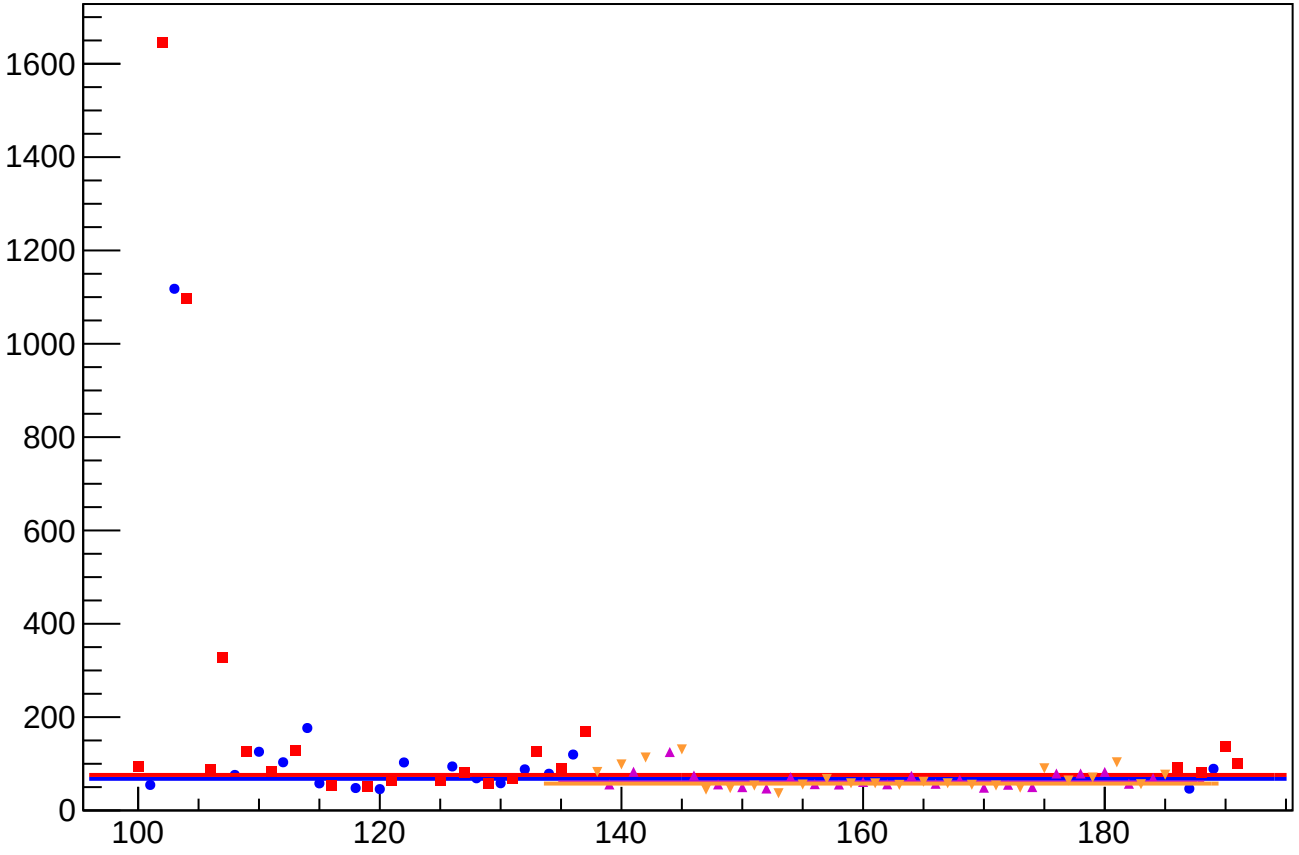
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.013+/-0.013 χ^2/NDF: 50.2/41

All: 0.008+/-0.010 χ^2/NDF: 78.4/86

- sign 0.002+/-0.014 χ^2/NDF: 27.8/44

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: 76.100+/-0.021 χ^2/NDF: 3093536.6/21

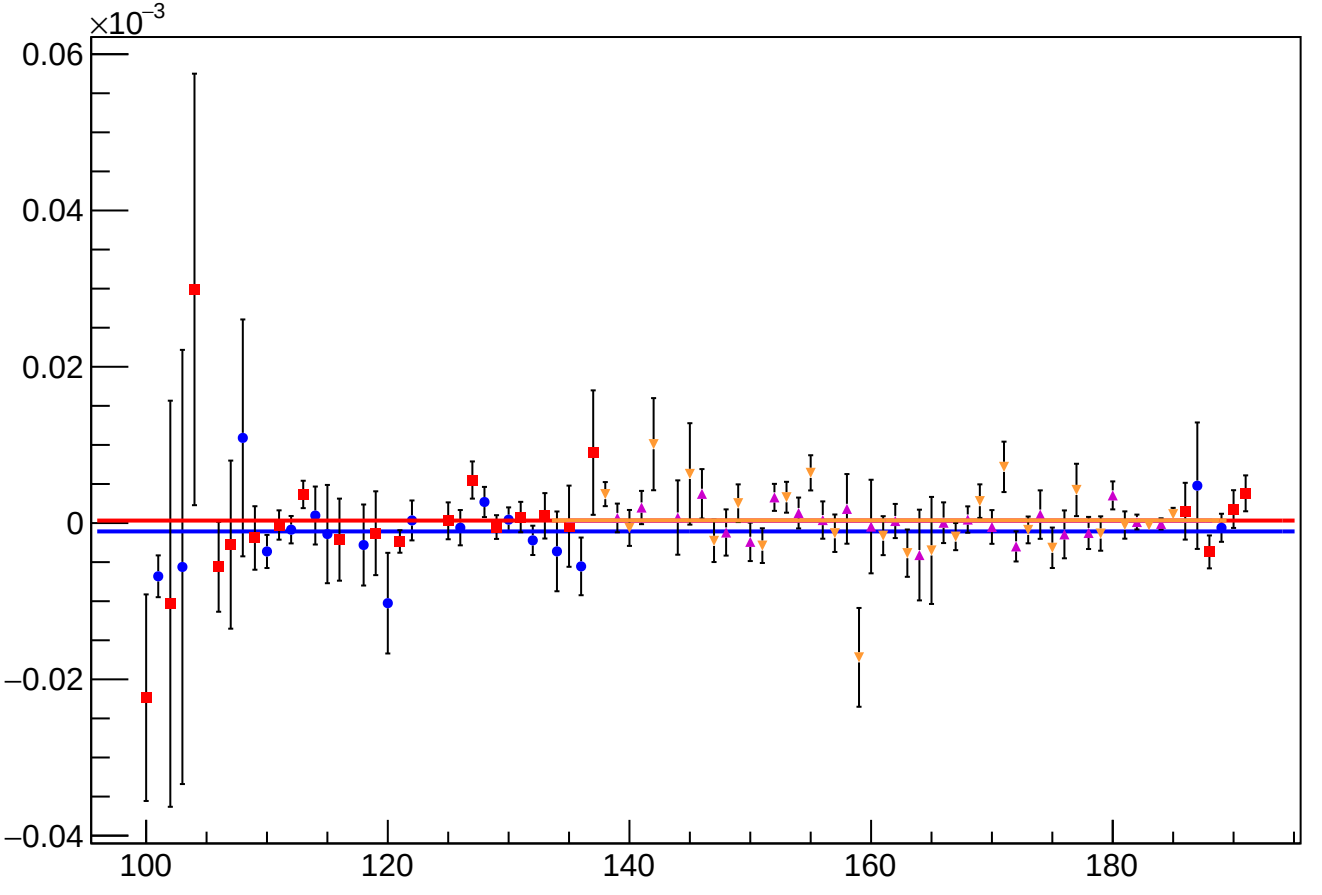
Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

+ sign 59.826+/-0.009 χ^2/NDF: 4793854.3/41

All: 61.472+/-0.007 χ^2/NDF: 9750977.7/86

- sign 63.222+/-0.010 χ^2/NDF: 4894538.6/44

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: 26.0/21

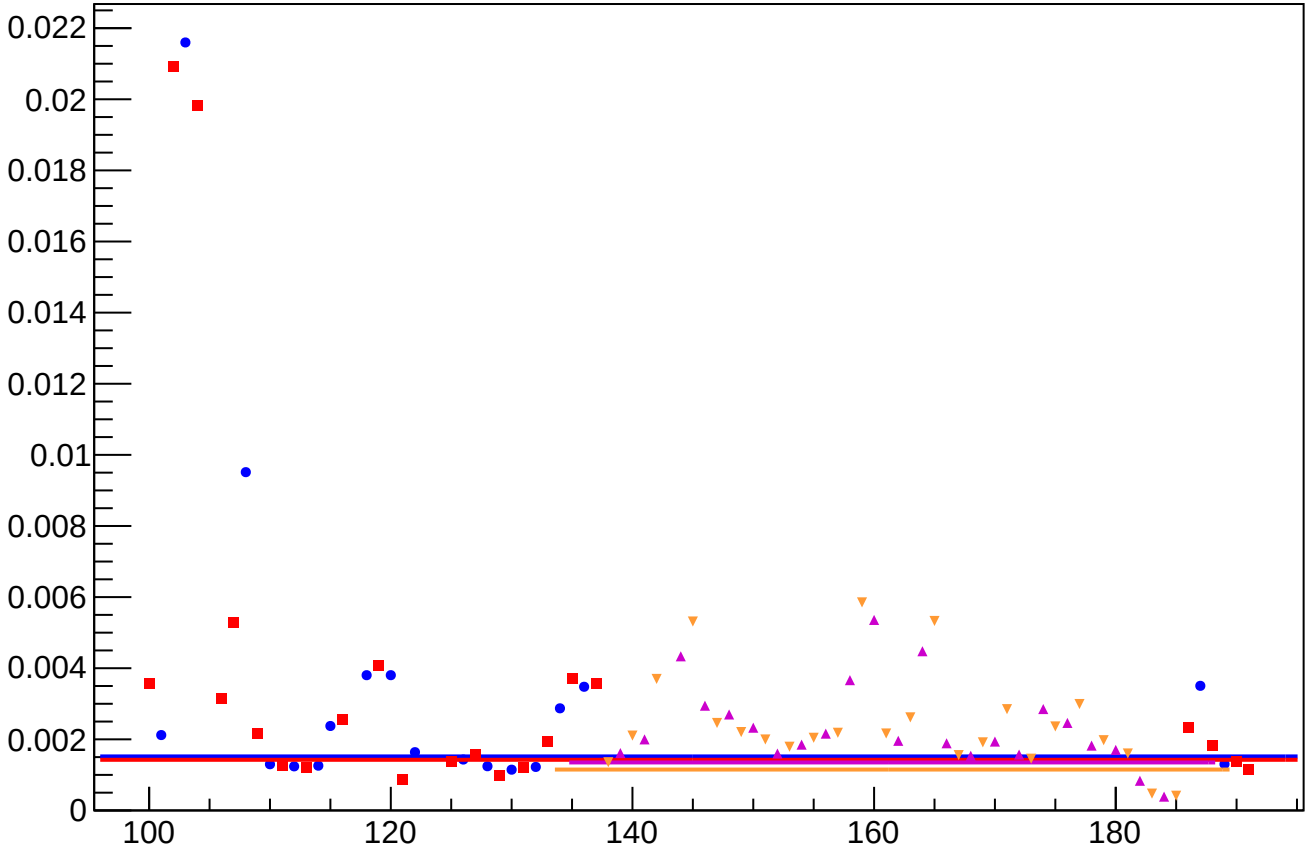
Left In: 0.000+/-0.000 χ^2/NDF:14.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.6/41

All: 0.000+/-0.000 χ^2/NDF: 108.9/86

- sign 0.000+/-0.000 χ^2/NDF: 40.9/44

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: 4498884.6/21

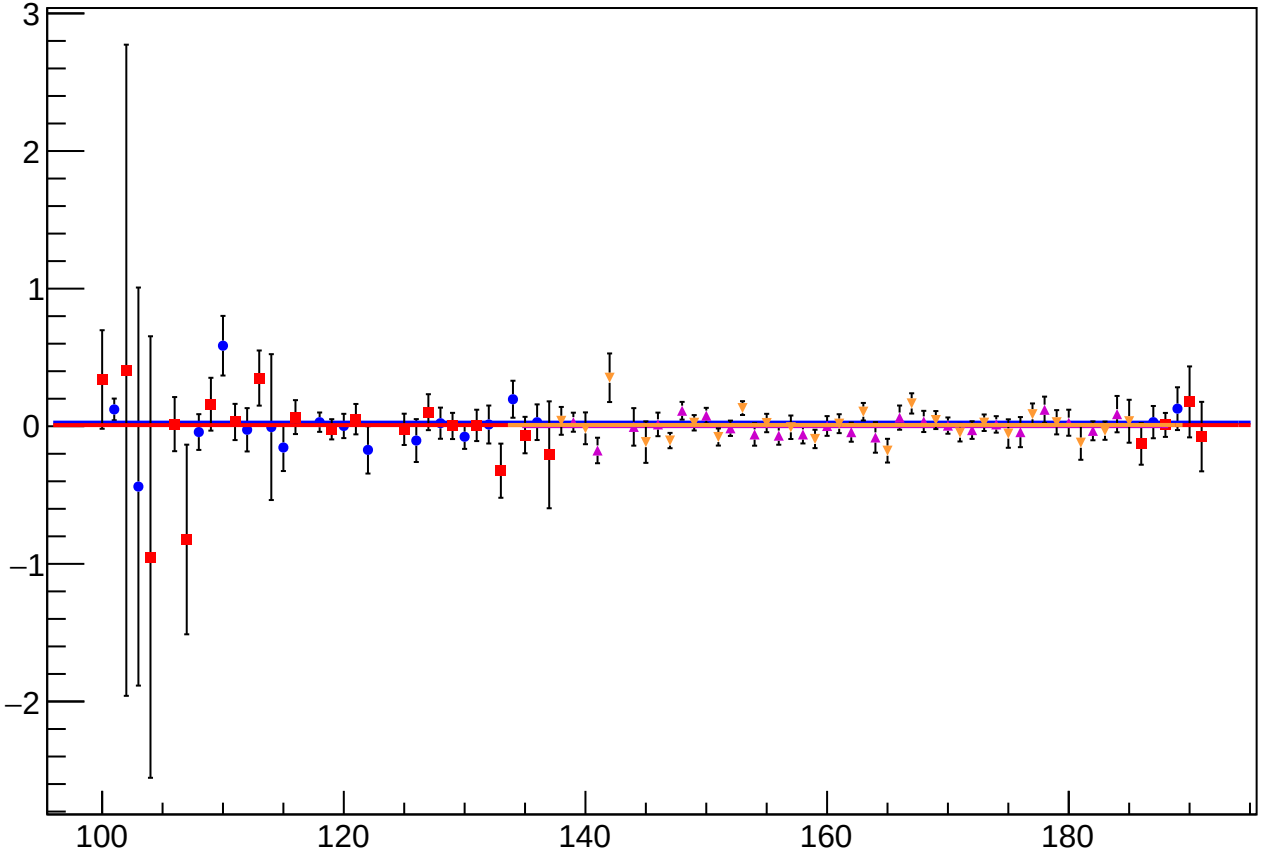
Left In: 0.001+/-0.000 χ^2/NDF:10247159.8/22

\+ sign 0.001+/-0.000 χ^2/NDF: 17309745.3/41

All: 0.001+/-0.000 χ^2/NDF: 32278886.4/86

\- sign 0.001+/-0.000 χ^2/NDF: 14769806.6/44

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: 0.008+/-0.030 χ^2/NDF: 12.2/21

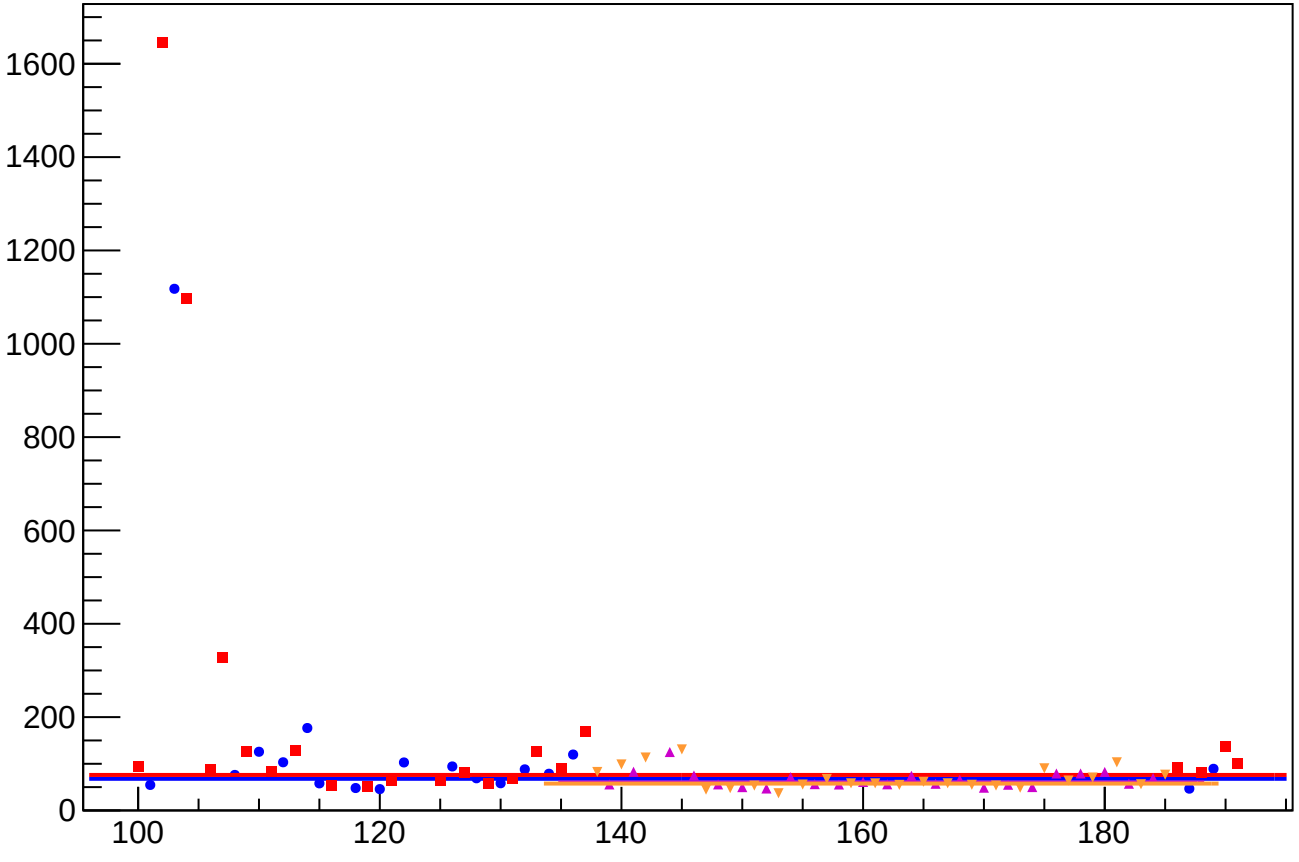
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.013+/-0.013 χ^2/NDF: 50.2/41

All: 0.008+/-0.010 χ^2/NDF: 78.4/86

- sign 0.002+/-0.014 χ^2/NDF: 27.8/44

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: 76.099+/-0.021 χ^2/NDF: 3093553.7/21

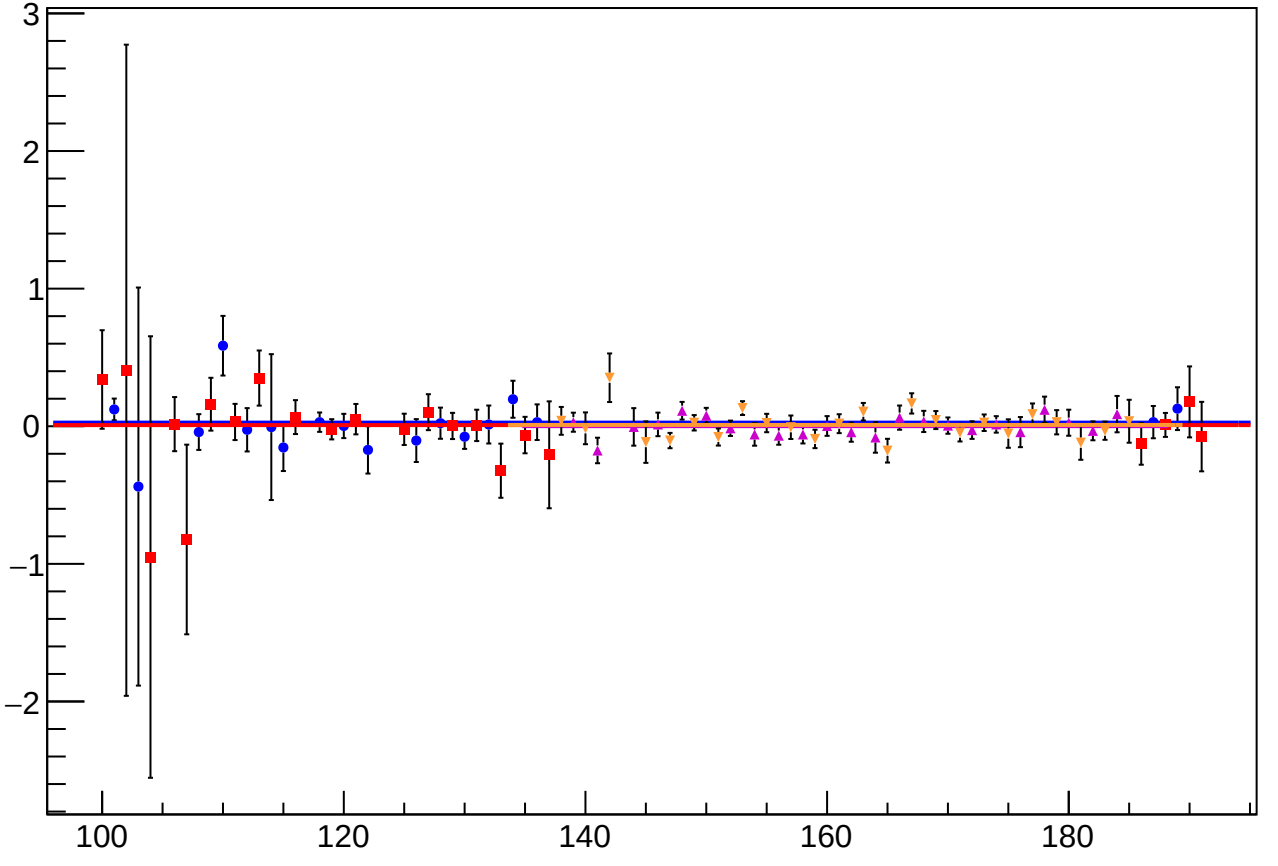
Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

+ sign 59.826+/-0.009 χ^2/NDF: 4793983.2/41

All: 61.472+/-0.007 χ^2/NDF: 9751079.2/86

- sign 63.223+/-0.010 χ^2/NDF: 4894502.8/44

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: 0.008+/-0.030 χ^2/NDF: 12.2/21

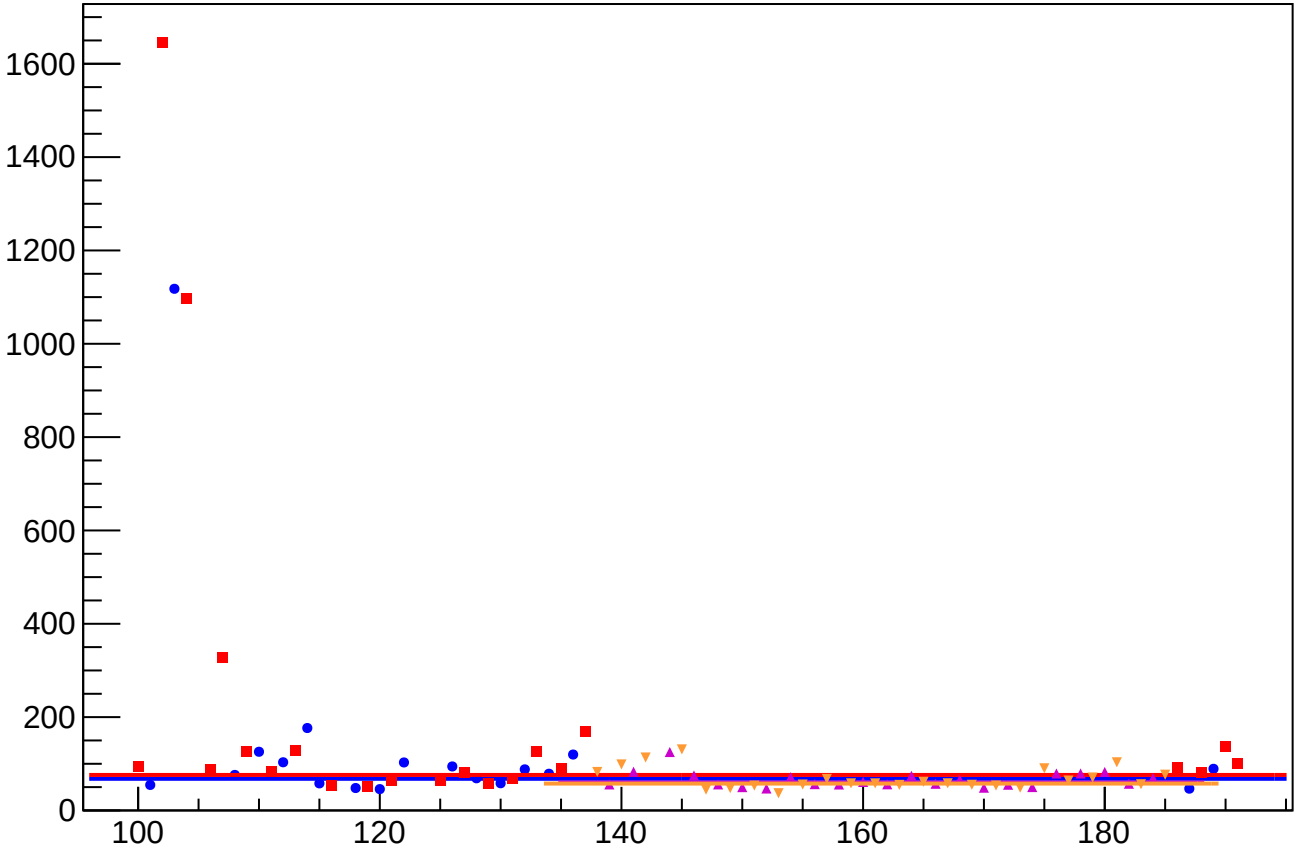
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.013+/-0.013 χ^2/NDF: 50.2/41

All: 0.008+/-0.010 χ^2/NDF: 78.4/86

- sign 0.002+/-0.014 χ^2/NDF: 27.8/44

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

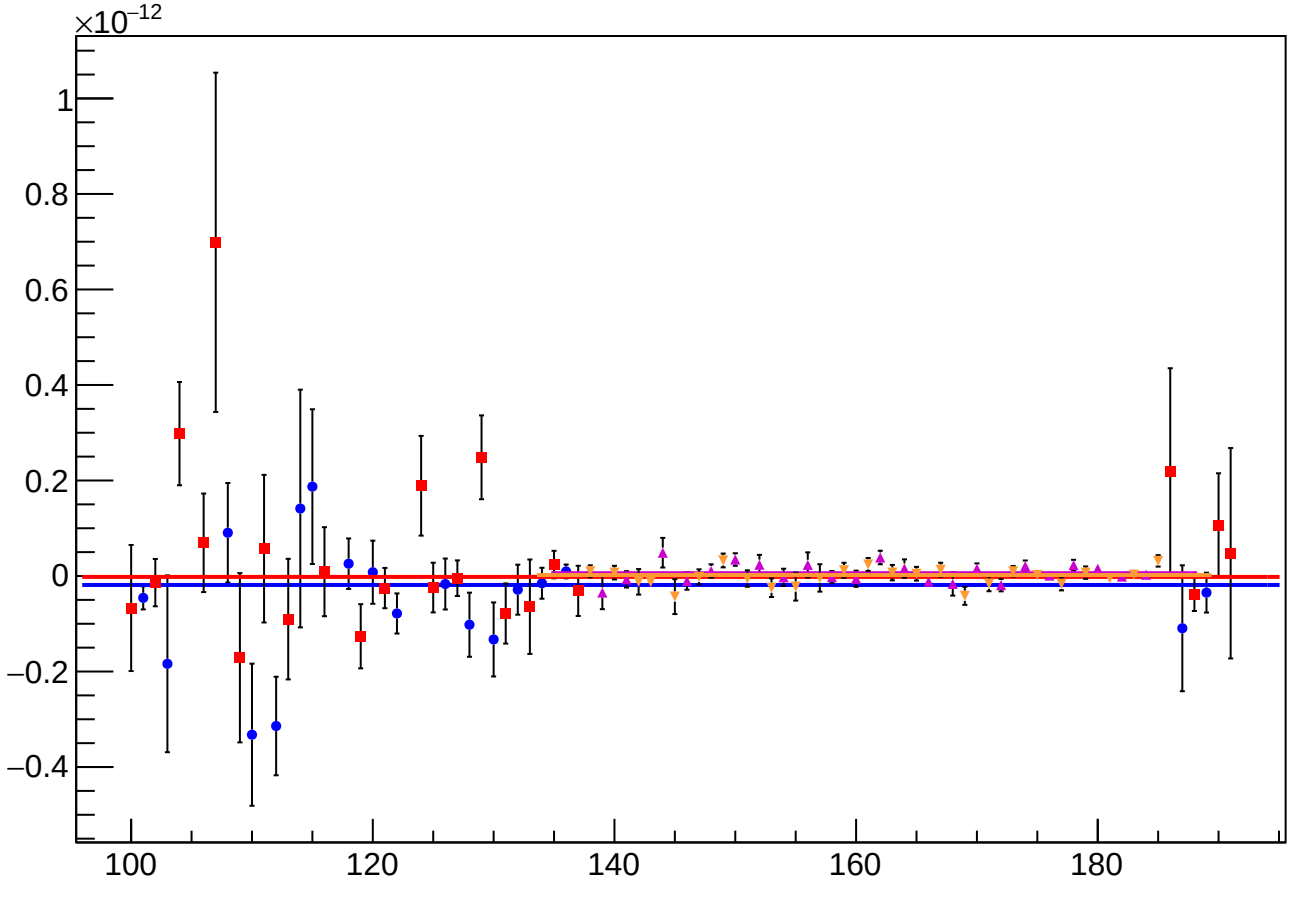
Right Out: 76.099+/-0.021 χ^2/NDF: 3093553.7/21

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

+ sign 59.826+/-0.009 χ^2/NDF: 4793983.2/41

All: 61.472+/-0.007 χ^2/NDF: 9751079.2/86

- sign 63.223+/-0.010 χ^2/NDF: 4894502.8/44



Right In: -0.000+/-0.000 χ^2/NDF: 28.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:31.9/24

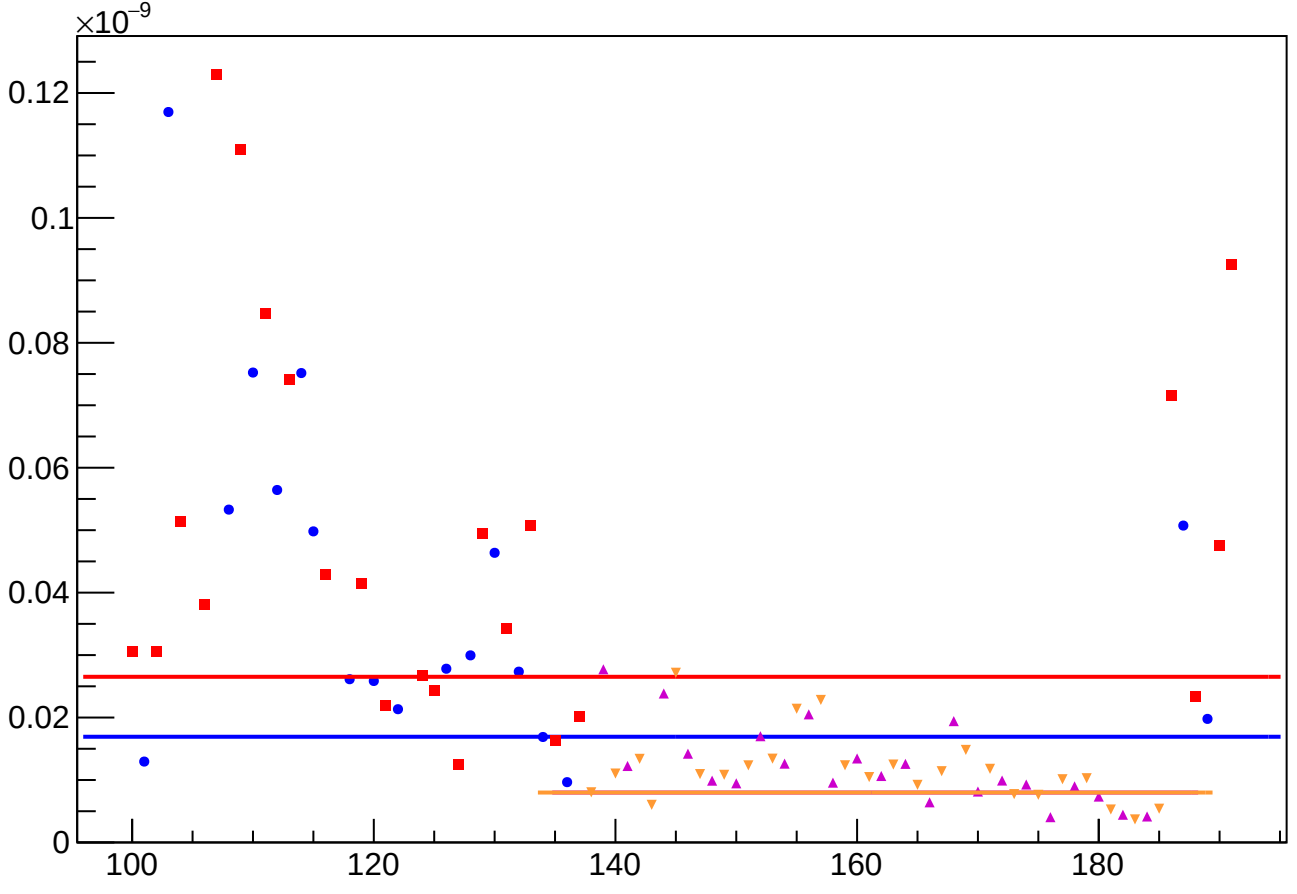
Right Out: -0.000+/-0.000 χ^2/NDF: 35.6/22

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: 135.6/88

- sign 0.000+/-0.000 χ^2/NDF: 68.5/45



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: 2707724.4/22

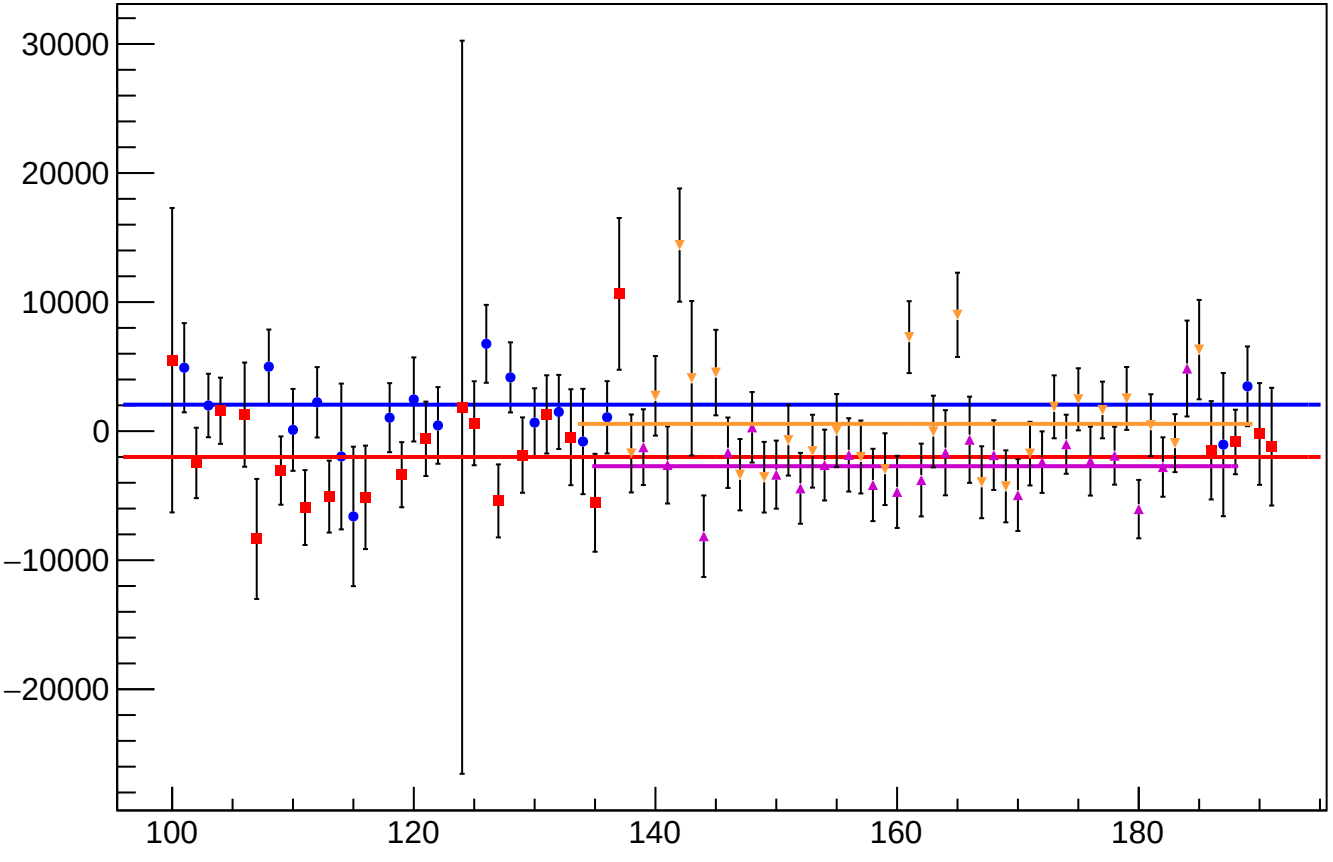
Left In: 0.000+/-0.000 χ^2/NDF:5188583.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 9452086.5/42

All: 0.000+/-0.000 χ^2/NDF: 21247945.4/88

- sign 0.000+/-0.000 χ^2/NDF: 11792749.0/45

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: -2002.568+/-691.628 χ^2/NDF: 18.7/22

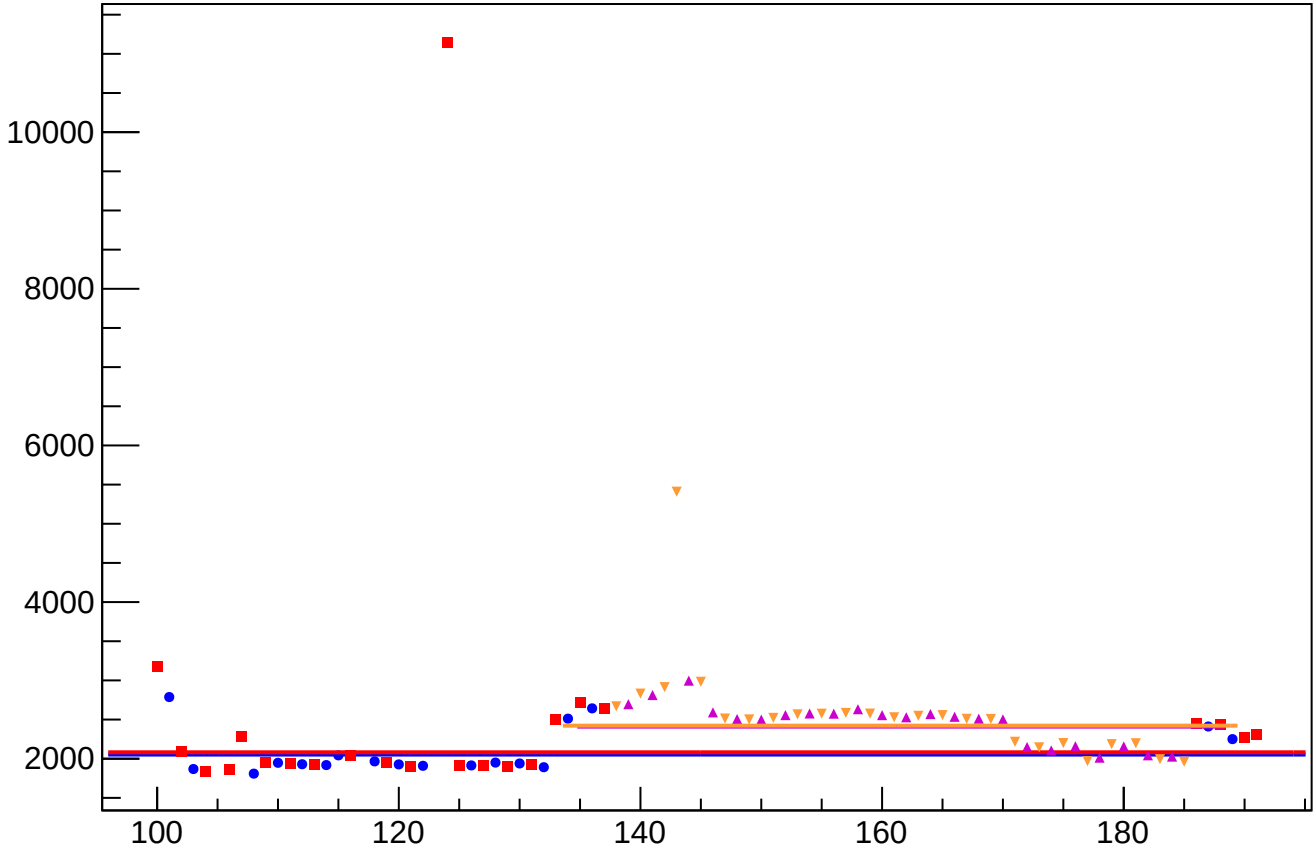
Left In: -2716.200+/-566.202 χ^2/NDF:14.3/22

+ sign 1105.381+/-444.185 χ^2/NDF: 56.7/42

All: -686.550+/-311.918 χ^2/NDF: 122.4/88

- sign -2429.844+/-438.115 χ^2/NDF: 33.6/45

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: 2082.069+/-0.489 χ^2/NDF: 472655.2/22

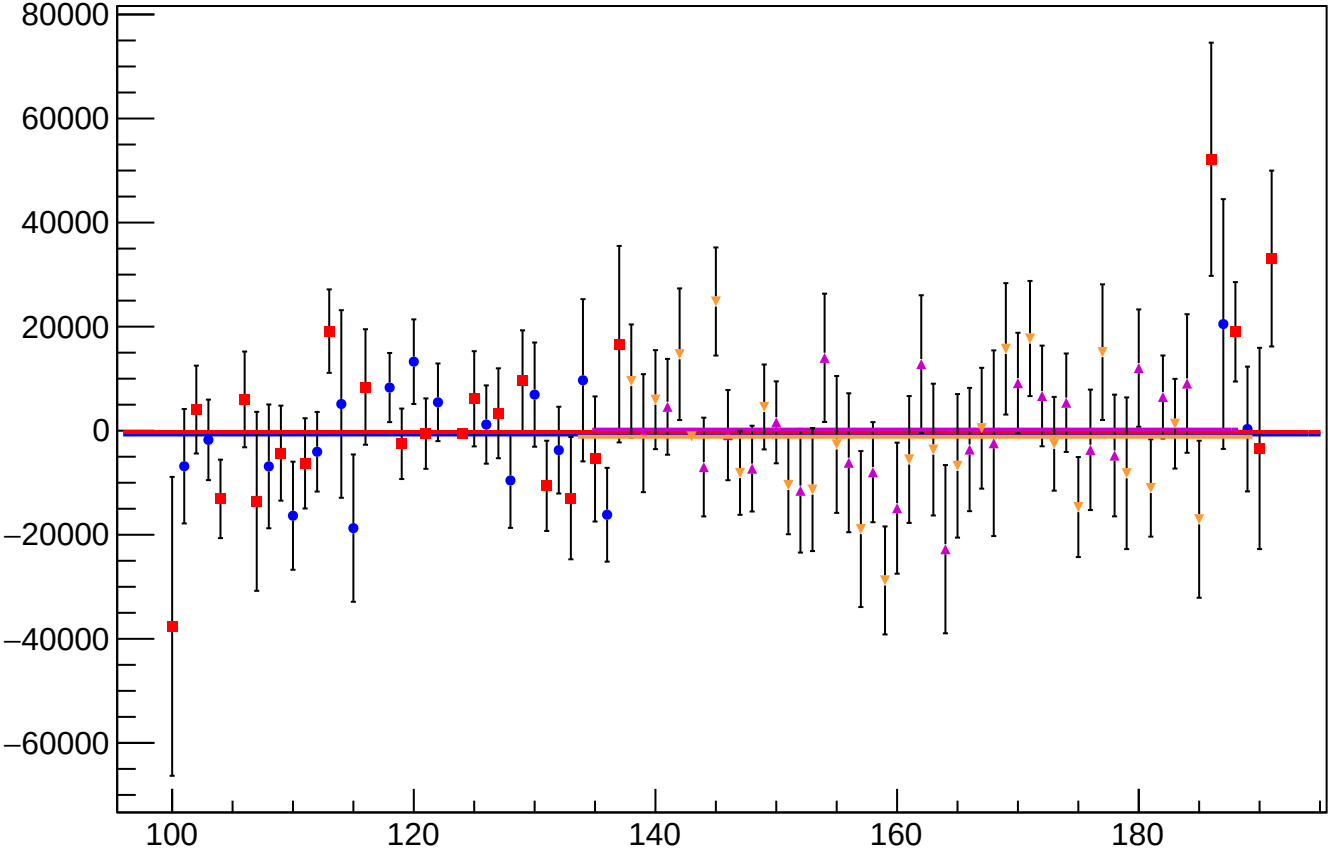
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2287.500+/-0.314 χ^2/NDF: 1553565.4/42

All: 2282.839+/-0.221 χ^2/NDF: 2723929.2/88

- sign 2278.305+/-0.310 χ^2/NDF: 1169929.3/45

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: -247.329+/-763.987 χ^2/NDF: 32.0/22

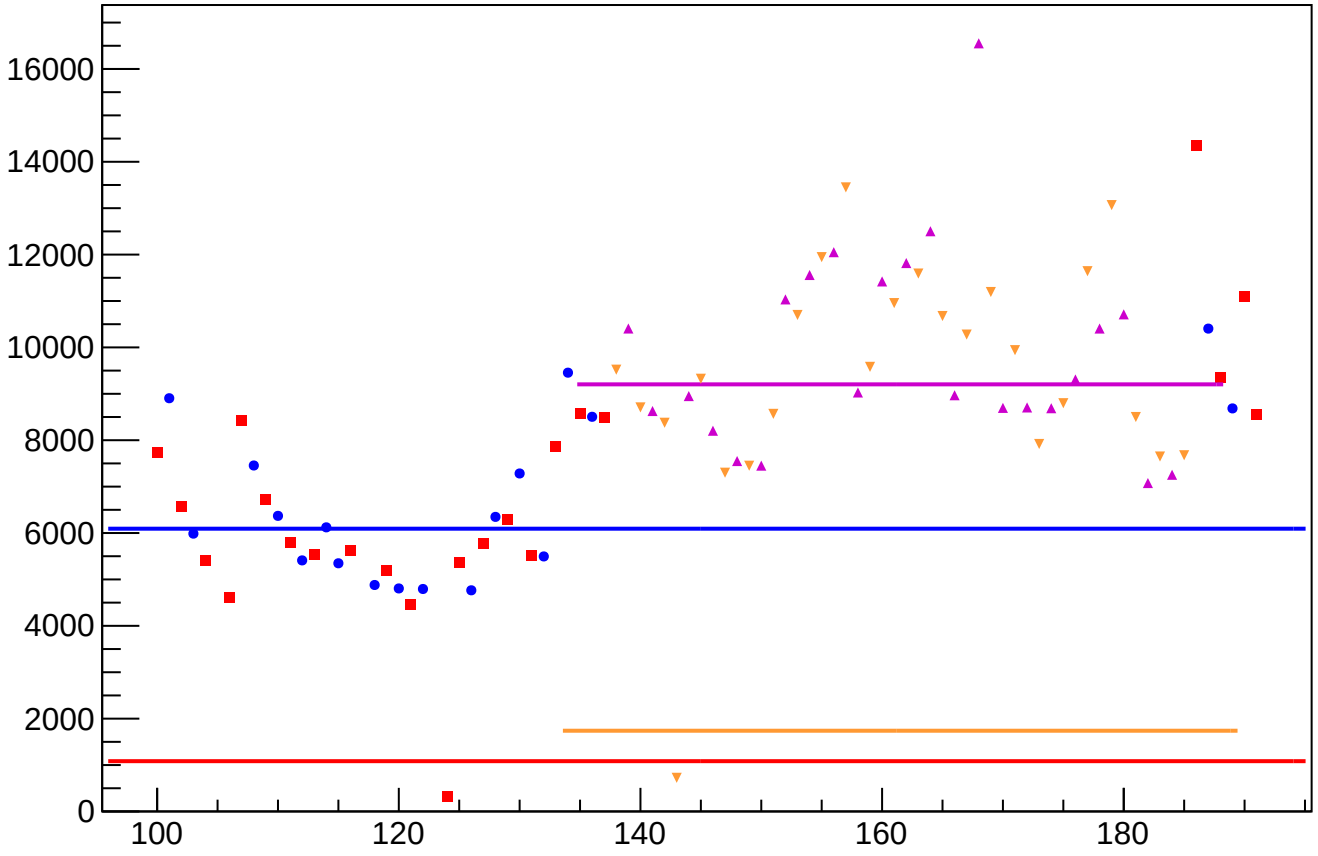
Left In: 209.655+/-2195.058 χ^2/NDF:13.4/22

+ sign -1112.957+/-717.461 χ^2/NDF: 48.1/42

All: -658.044+/-508.755 χ^2/NDF: 94.4/88

- sign -197.952+/-721.533 χ^2/NDF: 45.5/45

asym_atl2_reg_correction_rms vs Slug



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: 1083.583+/-0.540 χ^2/NDF: 14574373.2/22

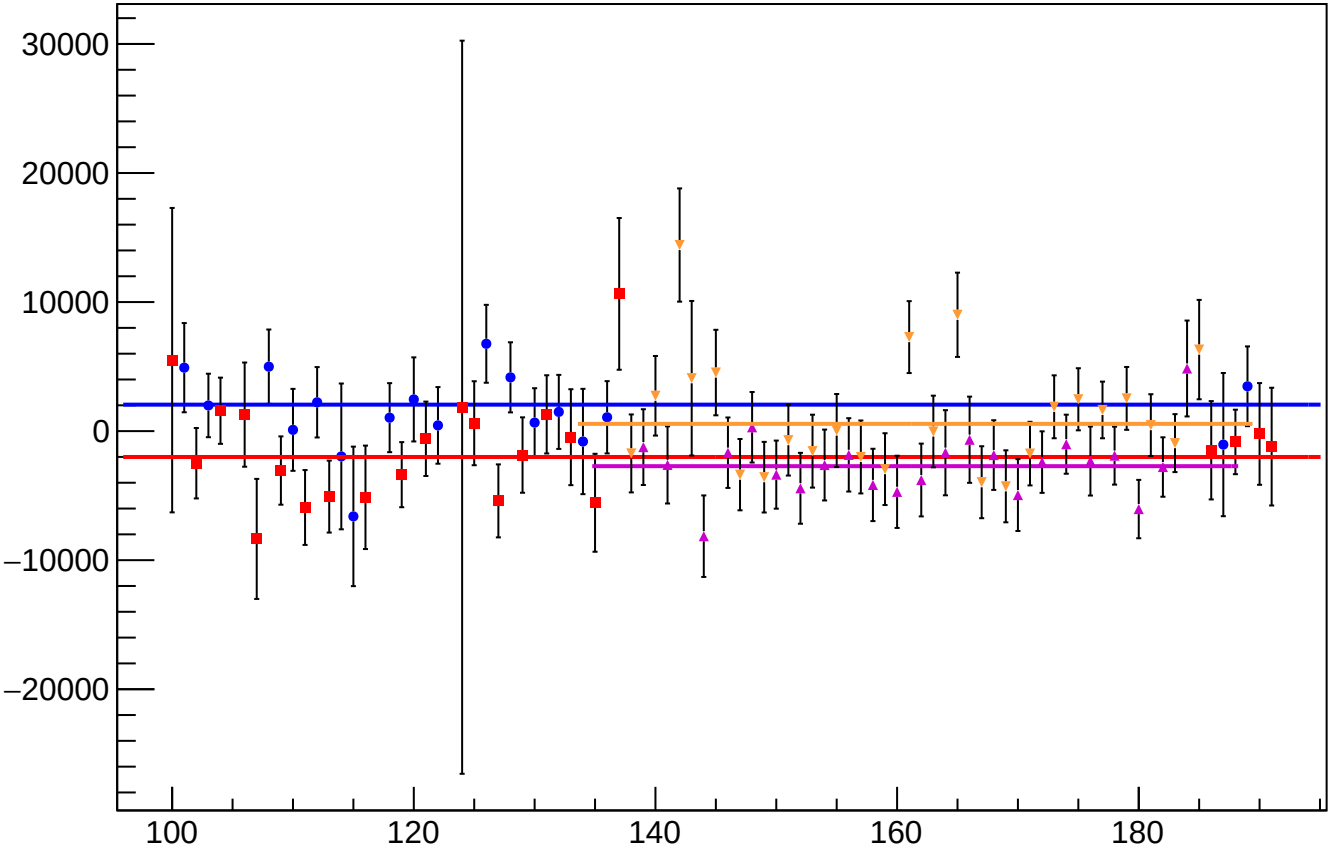
Left In: 9203.758+/-1.552 χ^2/NDF:1272066.5/22

+ sign 2190.818+/-0.507 χ^2/NDF: 35428253.2/42

All: 2076.540+/-0.360 χ^2/NDF: 75789108.2/8

- sign 1960.960+/-0.510 χ^2/NDF: 40258794.3/45

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: -2004.087+/-691.634 χ^2/NDF: 18.7/22

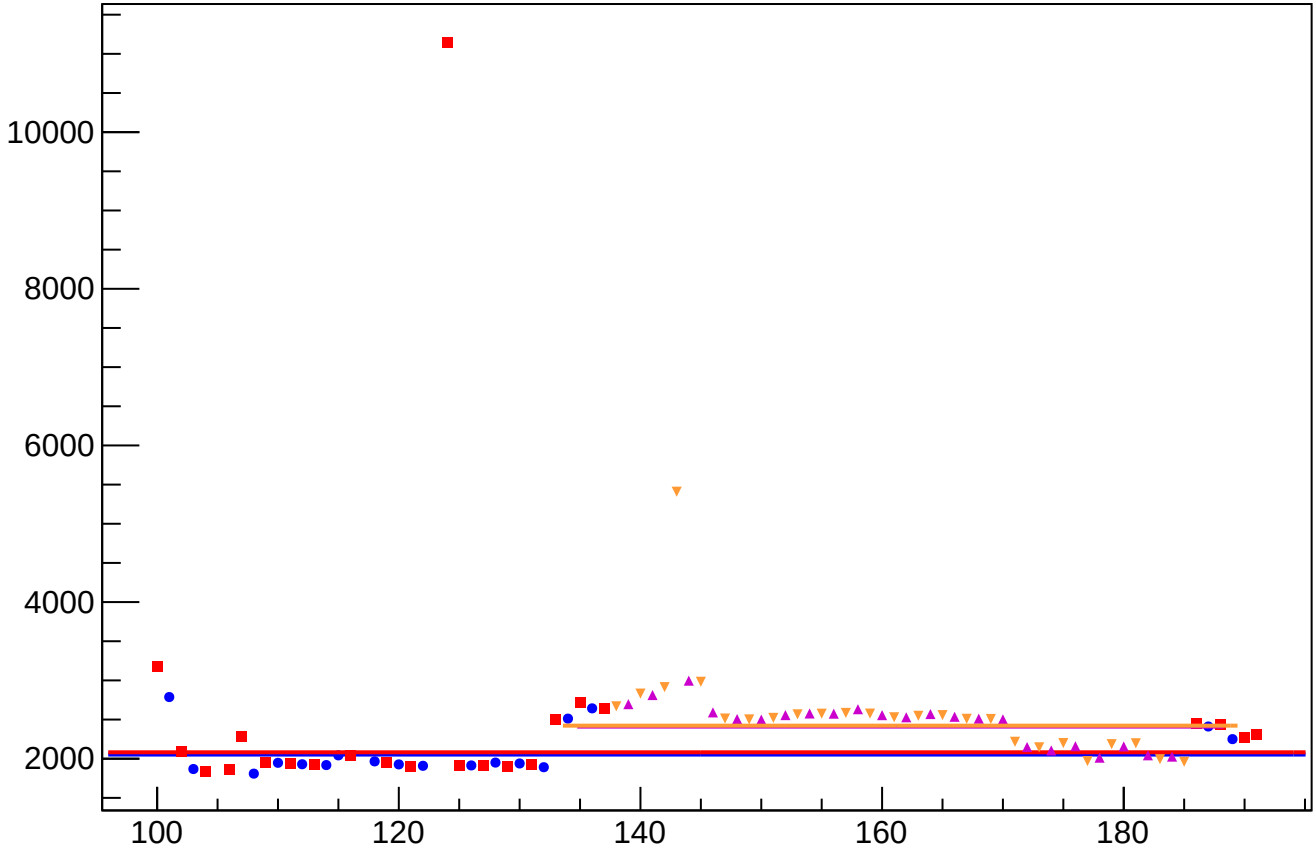
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1105.443+/-444.185 χ^2/NDF: 56.7/42

All: -686.812+/-311.919 χ^2/NDF: 122.4/88

- sign -2430.434+/-438.117 χ^2/NDF: 33.6/45

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: 2082.088+/-0.489 χ^2/NDF: 472657.5/22

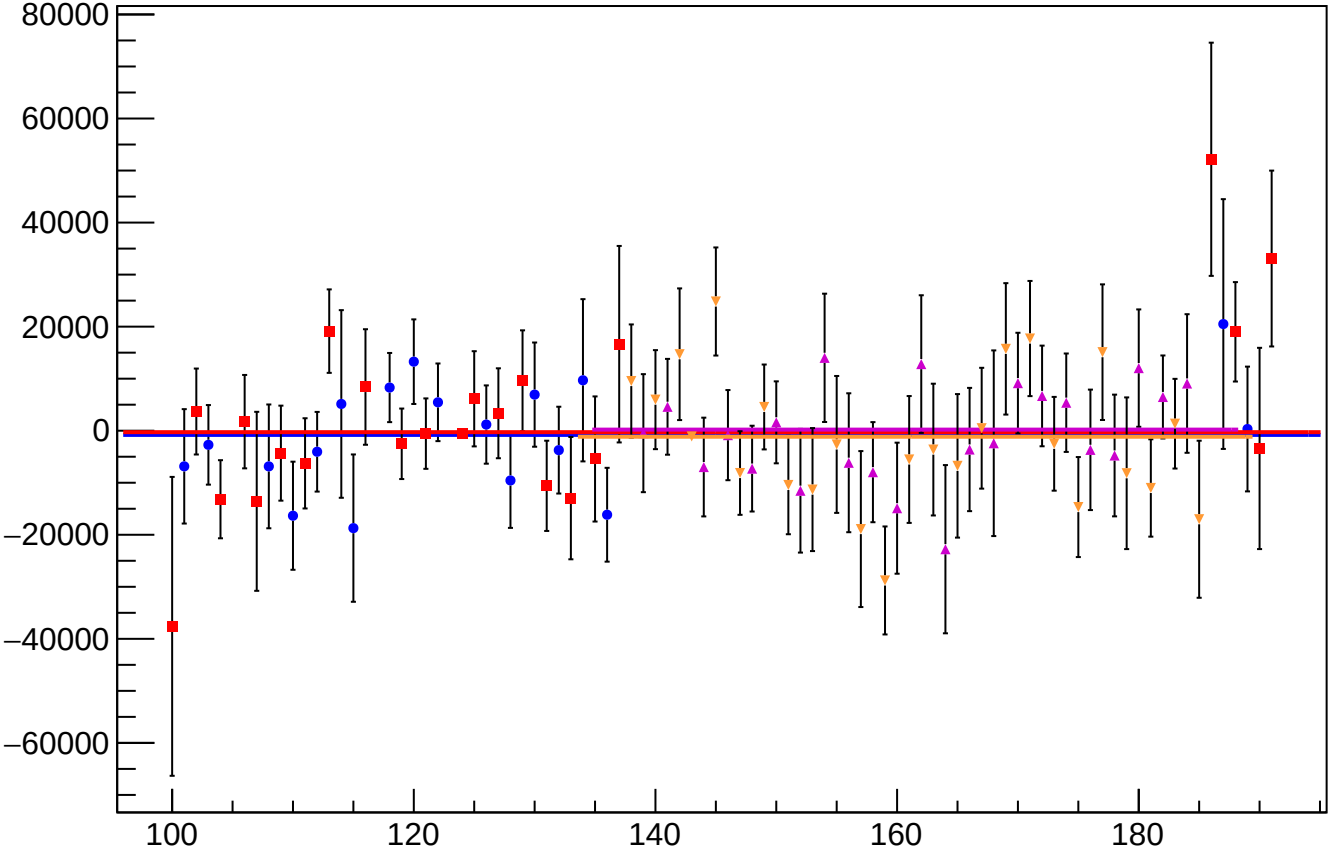
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2287.500+/-0.314 χ^2/NDF: 1553565.5/42

All: 2282.843+/-0.221 χ^2/NDF: 2723896.8/88

- sign 2278.314+/-0.310 χ^2/NDF: 1169897.7/45

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: -280.486+/-763.653 χ^2/NDF: 31.6/22

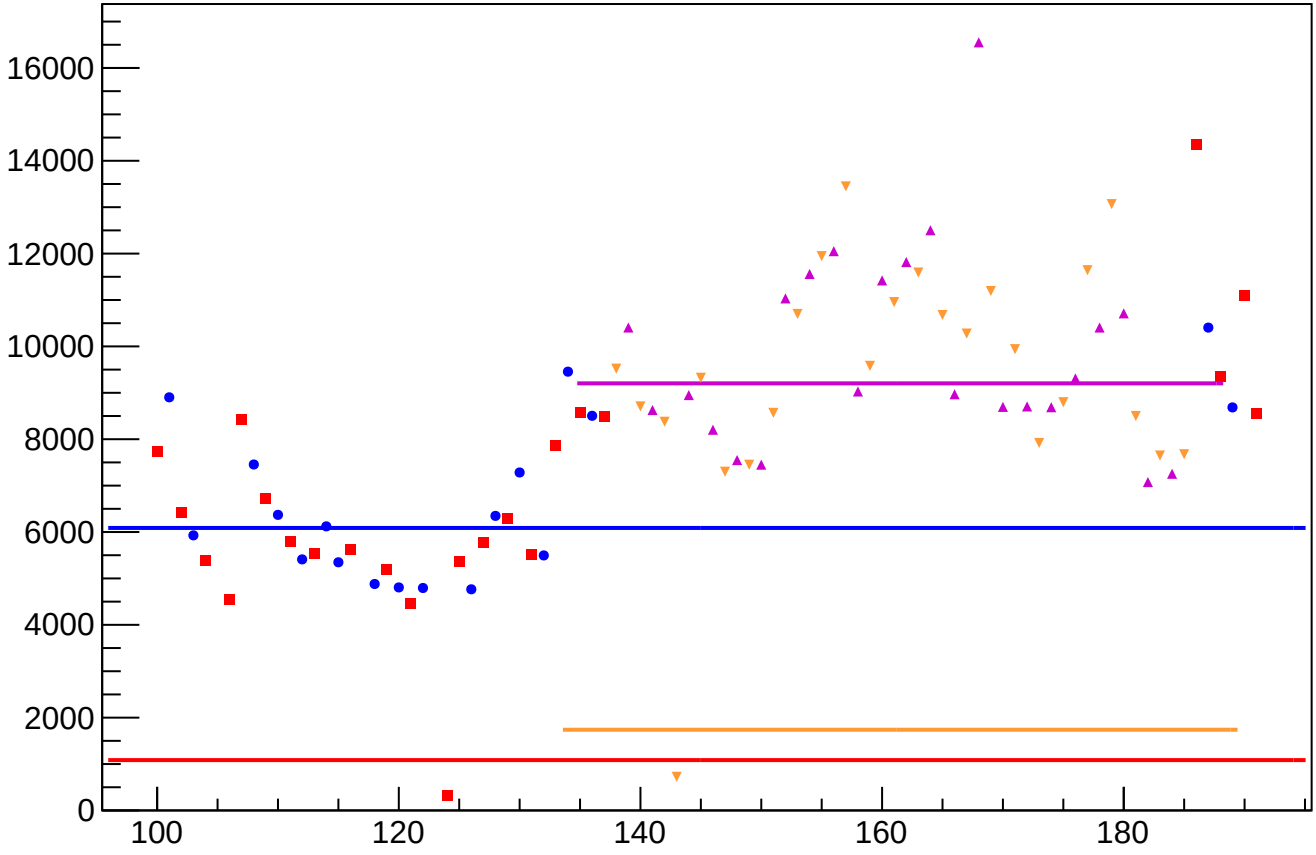
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

+ sign -1121.396+/-717.333 χ^2/NDF: 48.1/42

All: -676.925+/-508.611 χ^2/NDF: 94.0/88

- sign -227.584+/-721.252 χ^2/NDF: 45.1/45

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: 1085.205+/-0.540 χ^2/NDF: 14569382.8/22

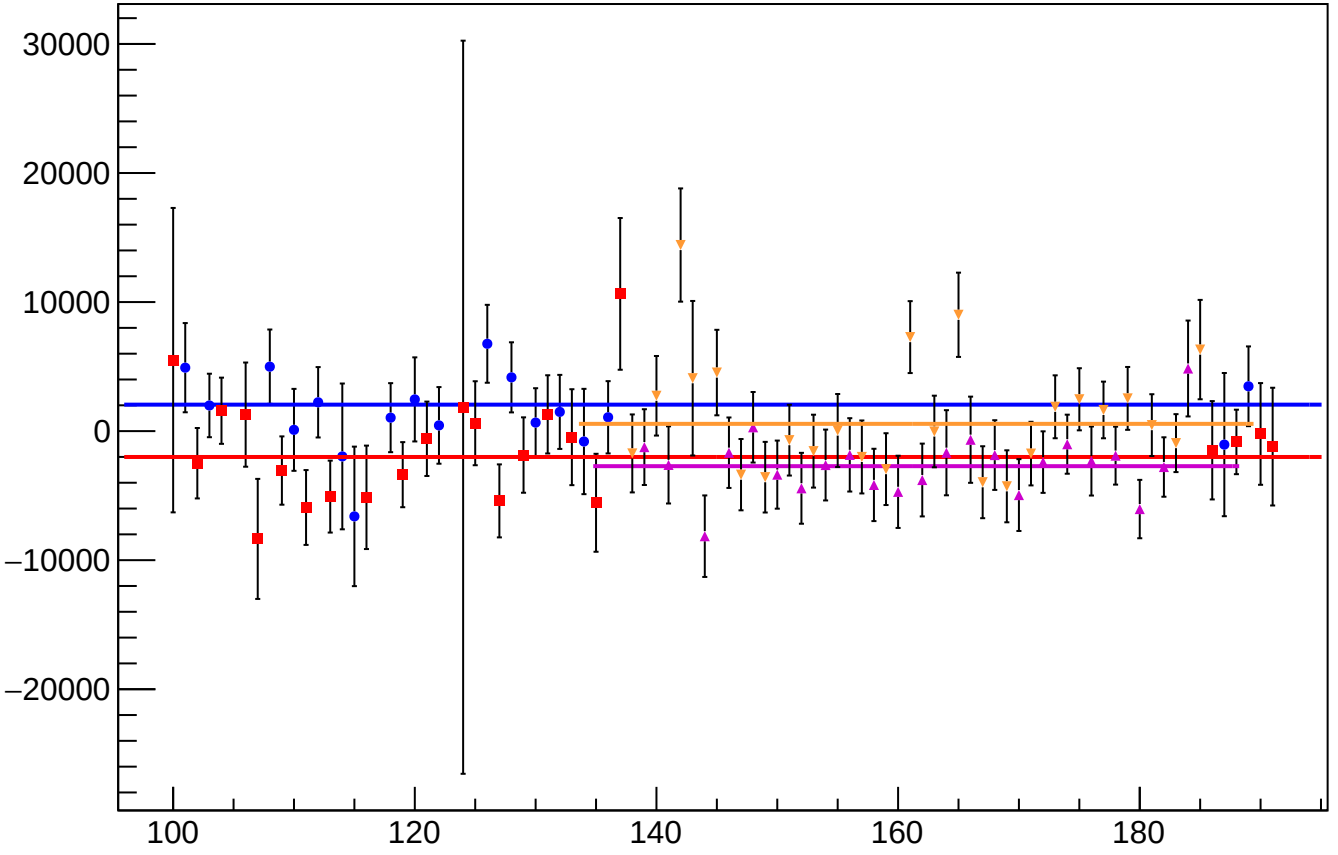
Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

+ sign 2190.799+/-0.507 χ^2/NDF: 35426329.0/42

All: 2076.885+/-0.360 χ^2/NDF: 75774098.2/8

- sign 1961.723+/-0.510 χ^2/NDF: 40246344.5/45

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: -2004.087+/-691.634 χ^2/NDF: 18.7/22

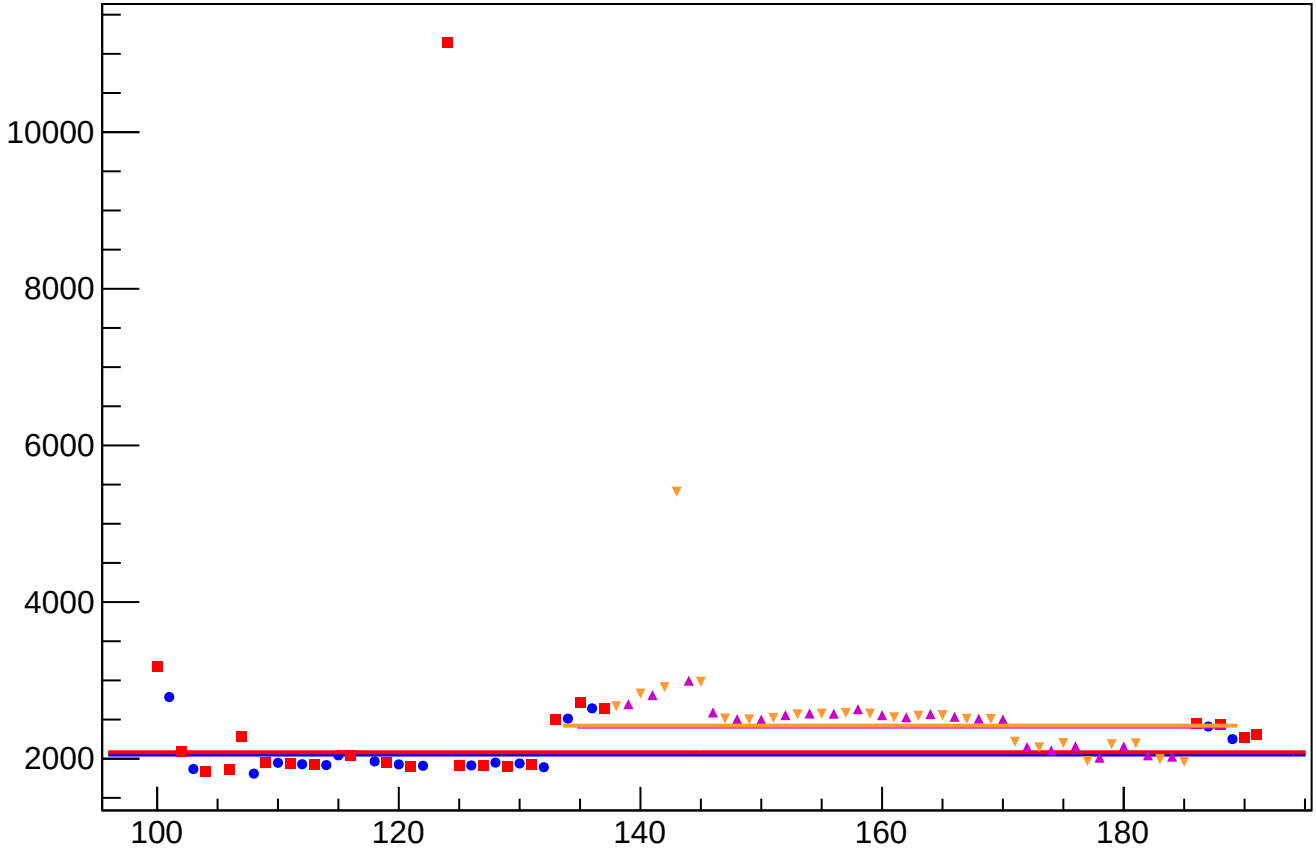
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1105.443+/-444.185 χ^2/NDF: 56.7/42

All: -686.812+/-311.919 χ^2/NDF: 122.4/88

- sign -2430.434+/-438.117 χ^2/NDF: 33.6/45

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: 2082.088+/-0.489 χ^2/NDF: 472657.5/22

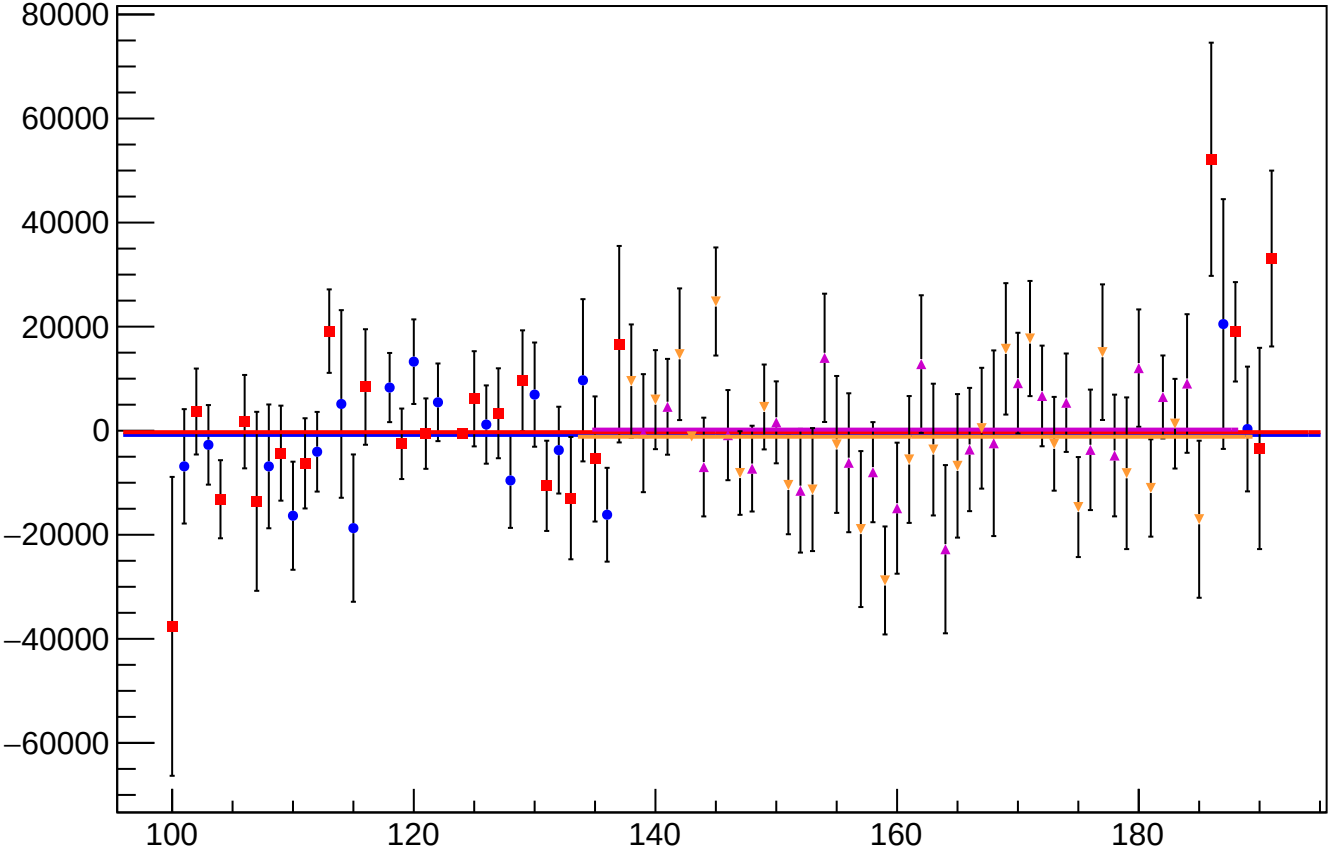
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2287.500+/-0.314 χ^2/NDF: 1553565.5/42

All: 2282.843+/-0.221 χ^2/NDF: 2723896.8/88

- sign 2278.314+/-0.310 χ^2/NDF: 1169897.7/45

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: -280.486+/-763.653 χ^2/NDF: 31.6/22

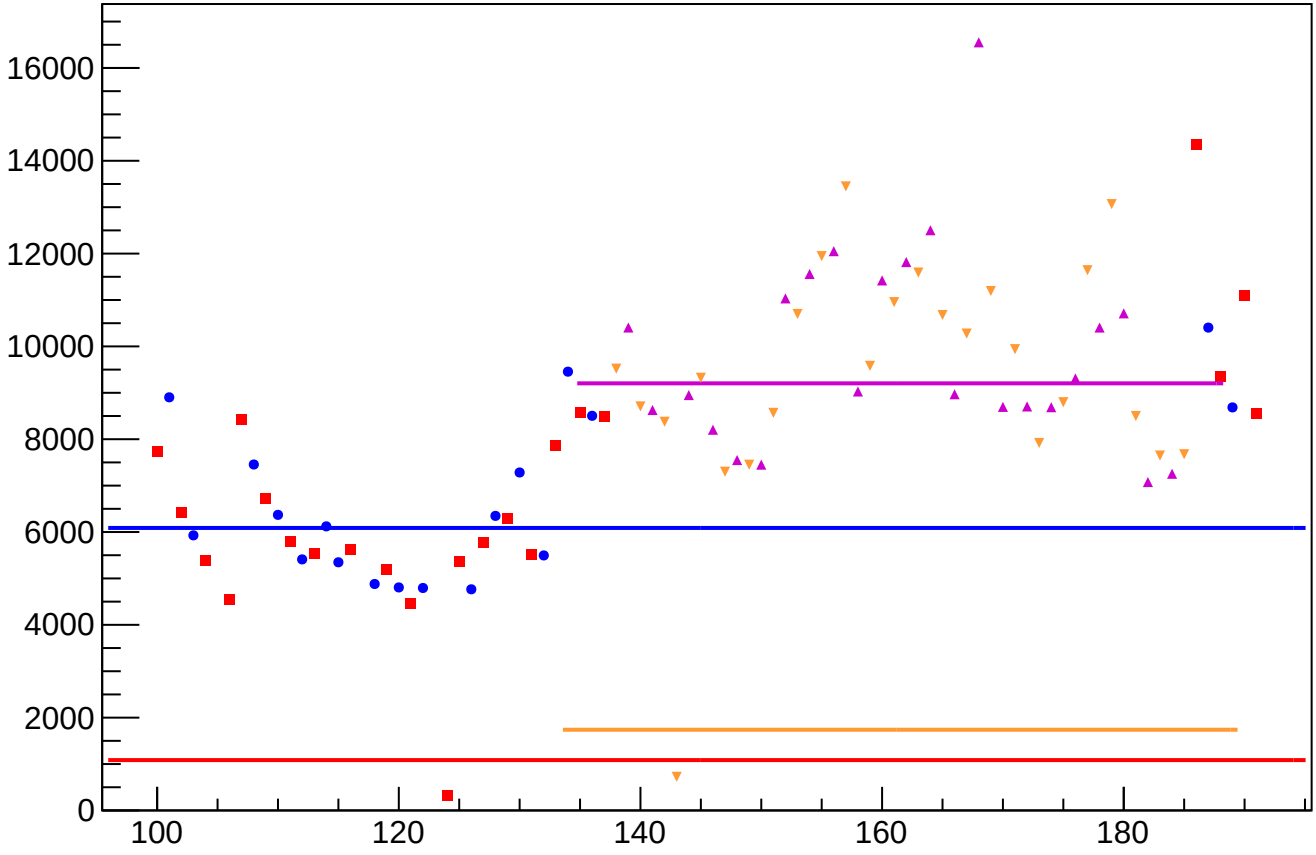
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

+ sign -1121.396+/-717.333 χ^2/NDF: 48.1/42

All: -676.925+/-508.611 χ^2/NDF: 94.0/88

- sign -227.584+/-721.252 χ^2/NDF: 45.1/45

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: 1085.205+/-0.540 χ^2/NDF: 14569382.8/22

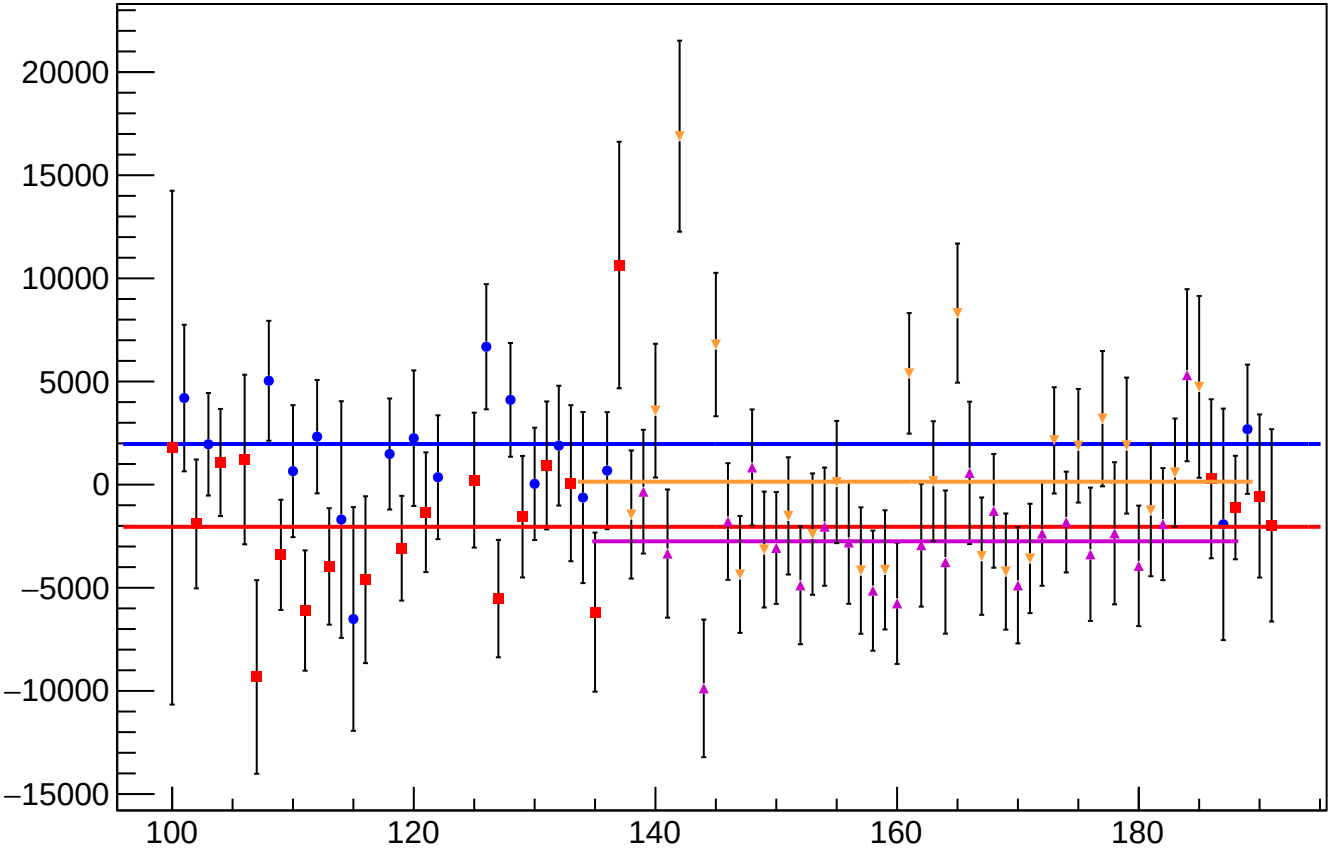
Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

+ sign 2190.799+/-0.507 χ^2/NDF: 35426329.0/42

All: 2076.885+/-0.360 χ^2/NDF: 75774098.2/8

- sign 1961.723+/-0.510 χ^2/NDF: 40246344.5/45

dit_asym_atl2_mean vs Slug



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: -2045.490+/-704.127 χ^2/NDF: 17.4/21

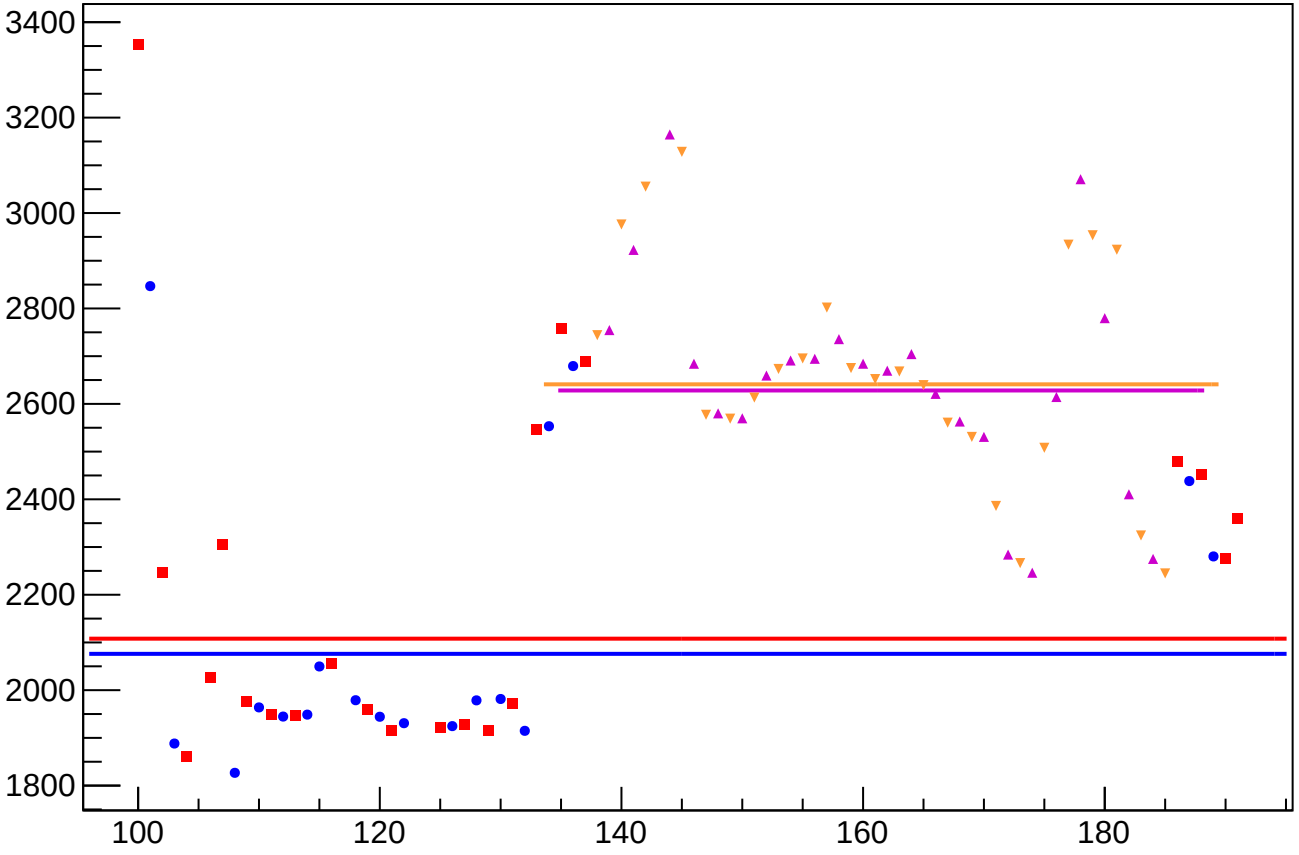
Left In: -2745.982+/-616.123 χ^2/NDF:15.4/22

+ sign 884.558+/-474.439 χ^2/NDF: 58.9/41

All: -816.996+/-331.608 χ^2/NDF: 117.5/86

- sign -2442.222+/-463.676 χ^2/NDF: 33.4/44

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: 2107.939+/-0.497 χ^2/NDF: 274634.9/21

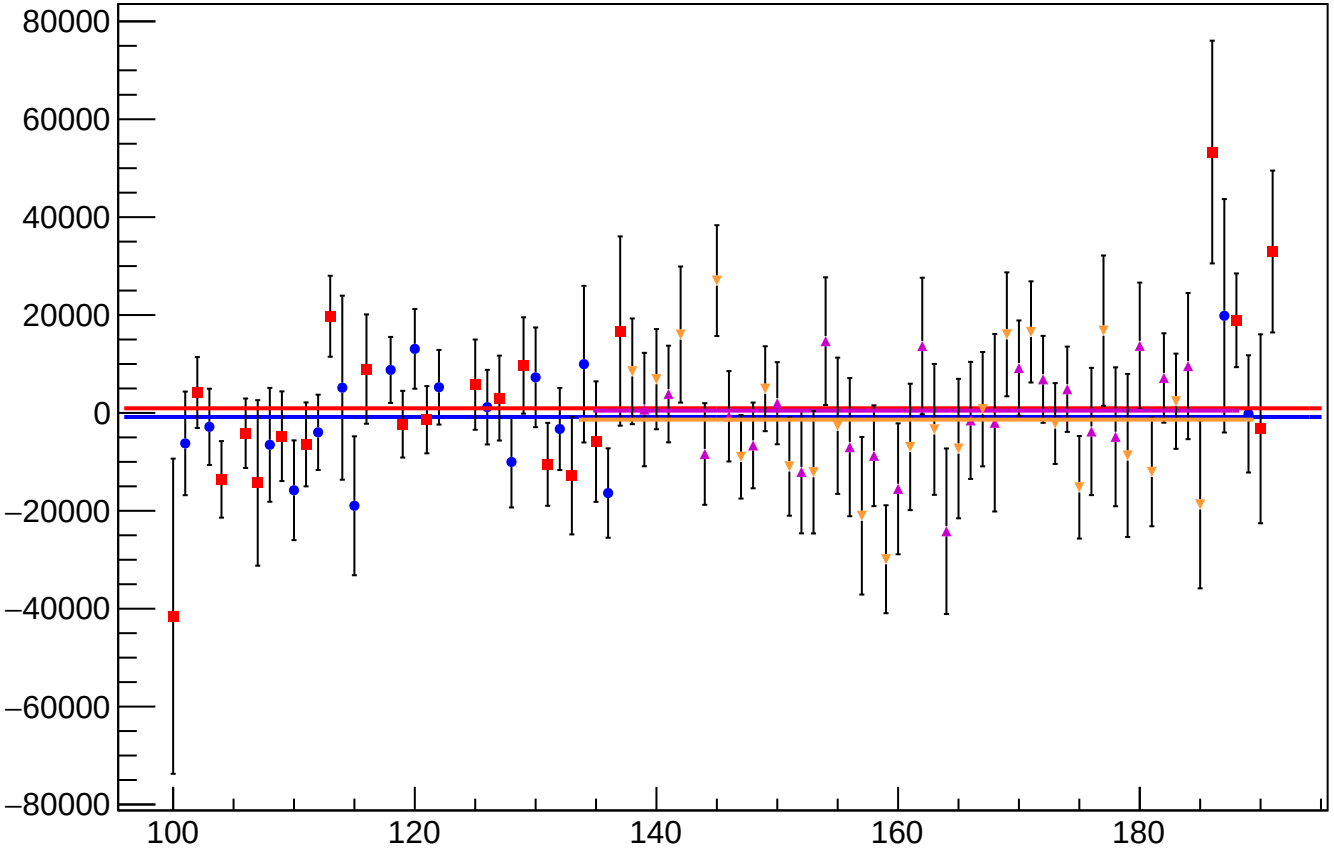
Left In: 2628.113+/-0.436 χ^2/NDF:237507.6/22

+ sign 2411.499+/-0.335 χ^2/NDF: 1225774.2/41

All: 2406.753+/-0.234 χ^2/NDF: 2357377.7/86

- sign 2402.224+/-0.328 χ^2/NDF: 1131212.4/44

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: 945.392+/-2061.382 χ^2/NDF: 31.7/21

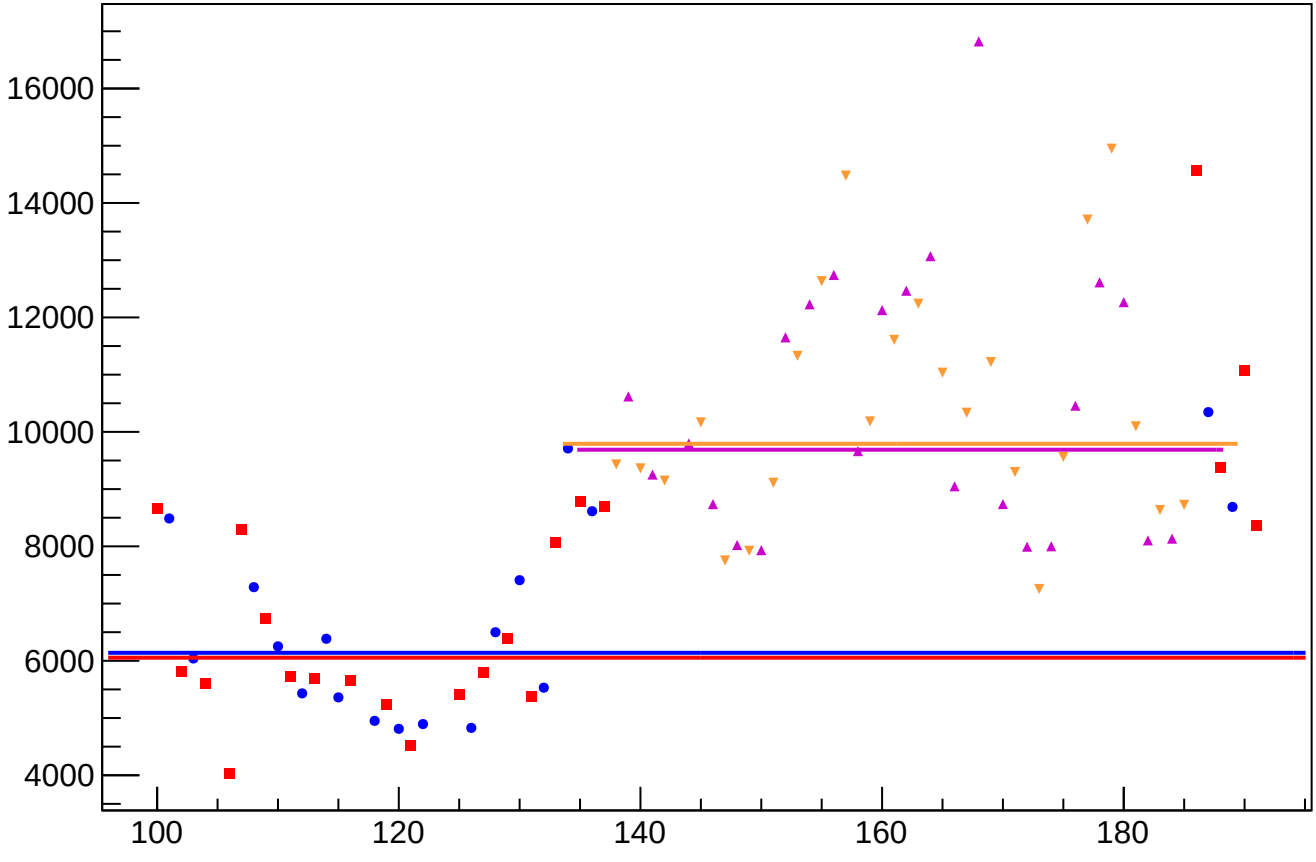
Left In: 463.775+/-2314.478 χ^2/NDF:13.1/22

+ sign -1087.680+/-1614.916 χ^2/NDF: 47.4/41

All: -134.091+/-1114.242 χ^2/NDF: 92.9/86

- sign 732.347+/-1539.352 χ^2/NDF: 44.8/44

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

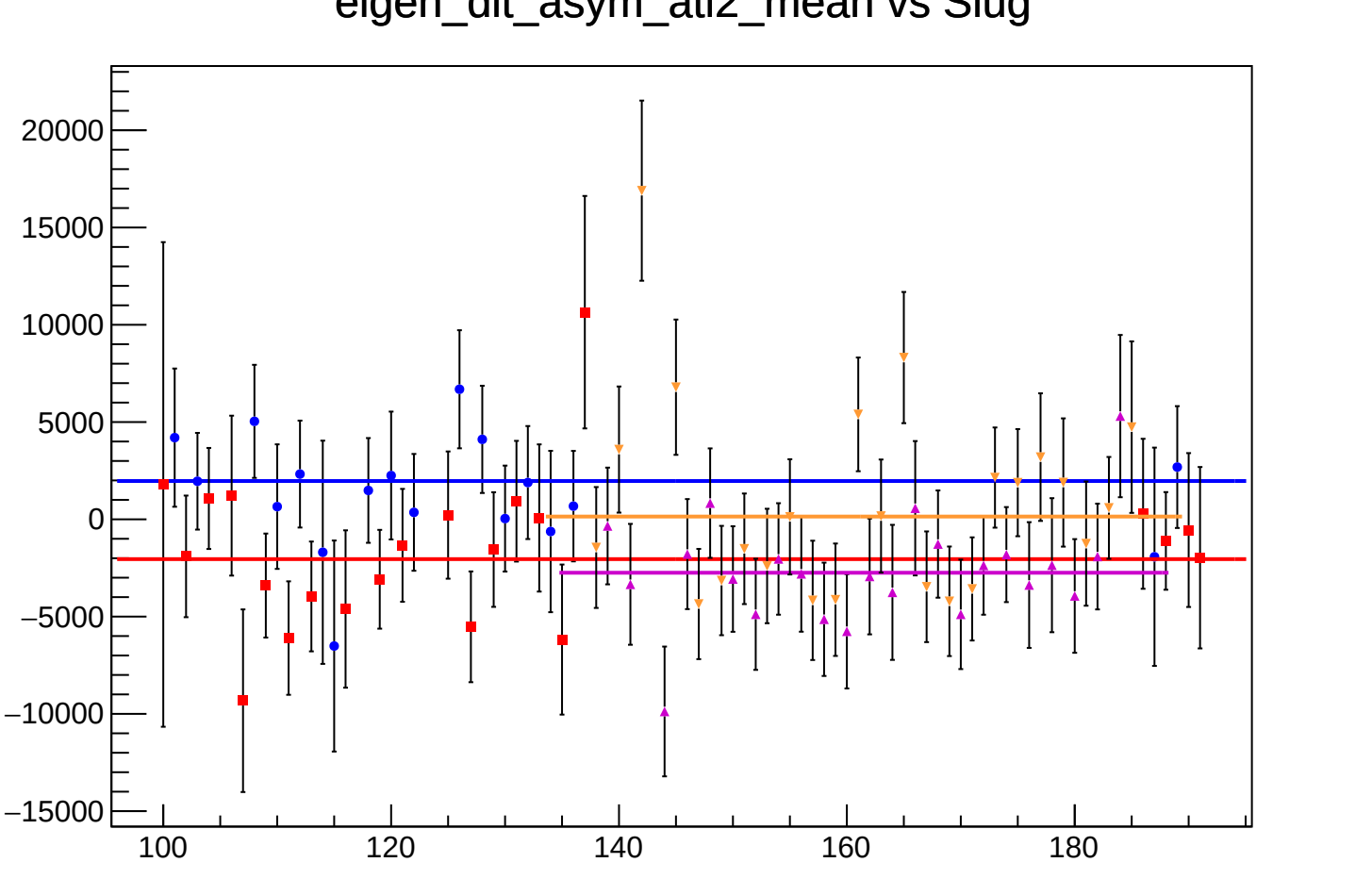
Right Out: 6054.646+/-1.458 χ^2/NDF: 1280995.3/21

Left In: 9688.179+/-1.637 χ^2/NDF:1378173.6/22

+ sign 7900.031+/-1.142 χ^2/NDF: 4586614.6/41

All: 7775.292+/-0.788 χ^2/NDF: 10017343.4/8

- sign 7661.953+/-1.088 χ^2/NDF: 5407954.2/44



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: -2045.493+/-704.127 χ^2/NDF: 17.4/21

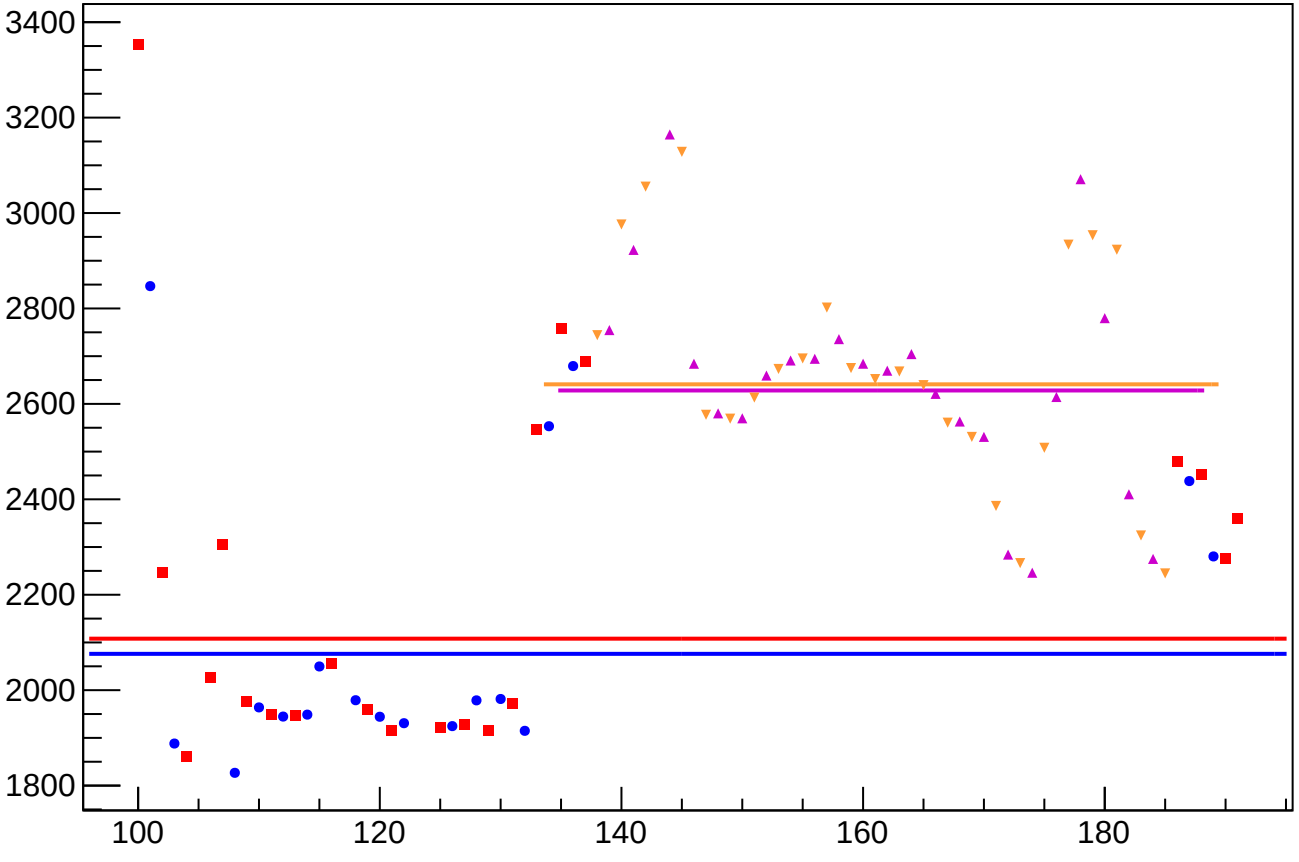
Left In: -2745.980+/-616.124 χ^2/NDF:15.4/22

+ sign 884.556+/-474.440 χ^2/NDF: 58.9/41

All: -816.998+/-331.609 χ^2/NDF: 117.5/86

- sign -2442.222+/-463.676 χ^2/NDF: 33.4/44

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

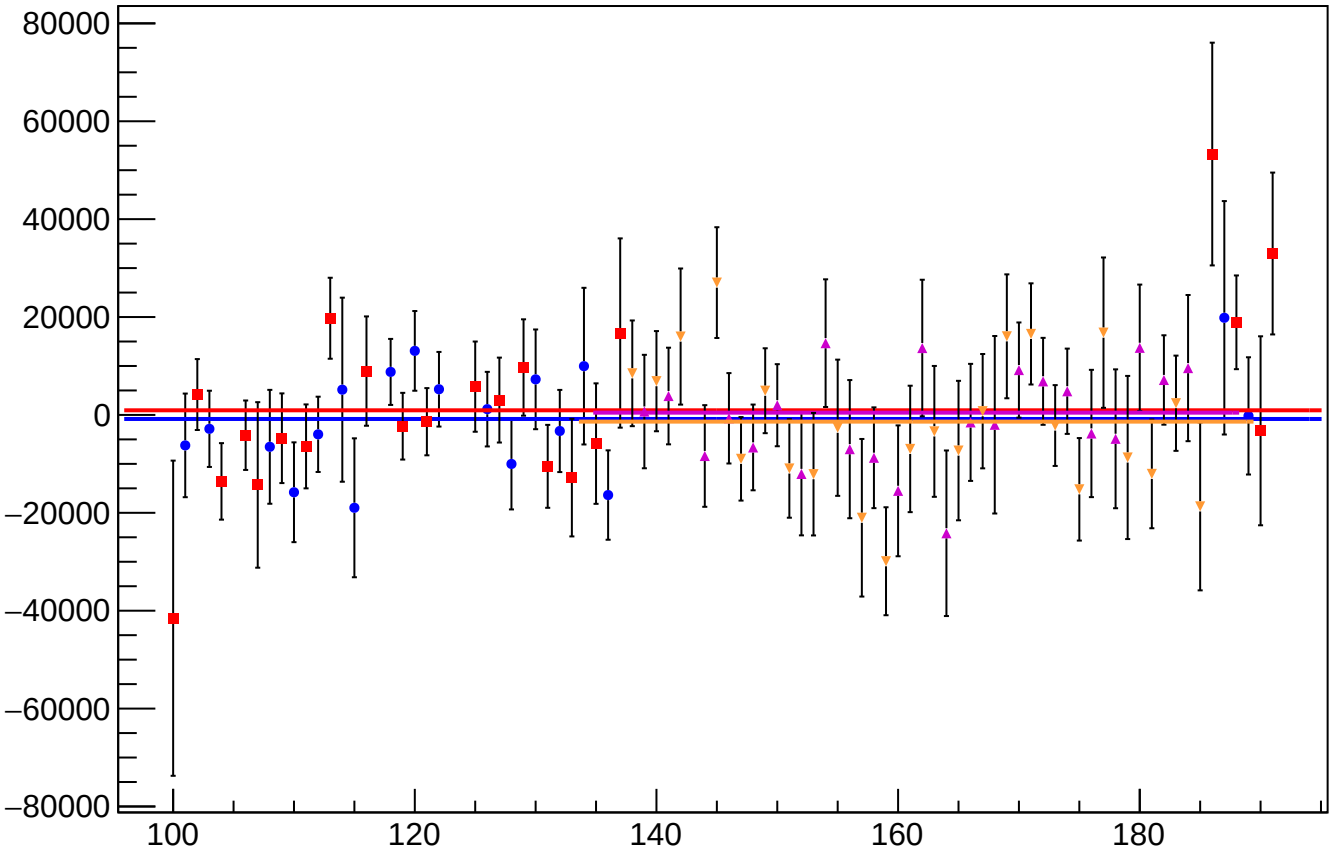
Right Out: 2107.938+/-0.497 χ^2/NDF: 274634.8/21

Left In: 2628.116+/-0.436 χ^2/NDF:237516.8/22

+ sign 2411.500+/-0.335 χ^2/NDF: 1225788.3/41

All: 2406.754+/-0.234 χ^2/NDF: 2357406.4/86

- sign 2402.225+/-0.328 χ^2/NDF: 1131227.0/44



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: 945.376+/-2061.377 χ^2/NDF: 31.7/21

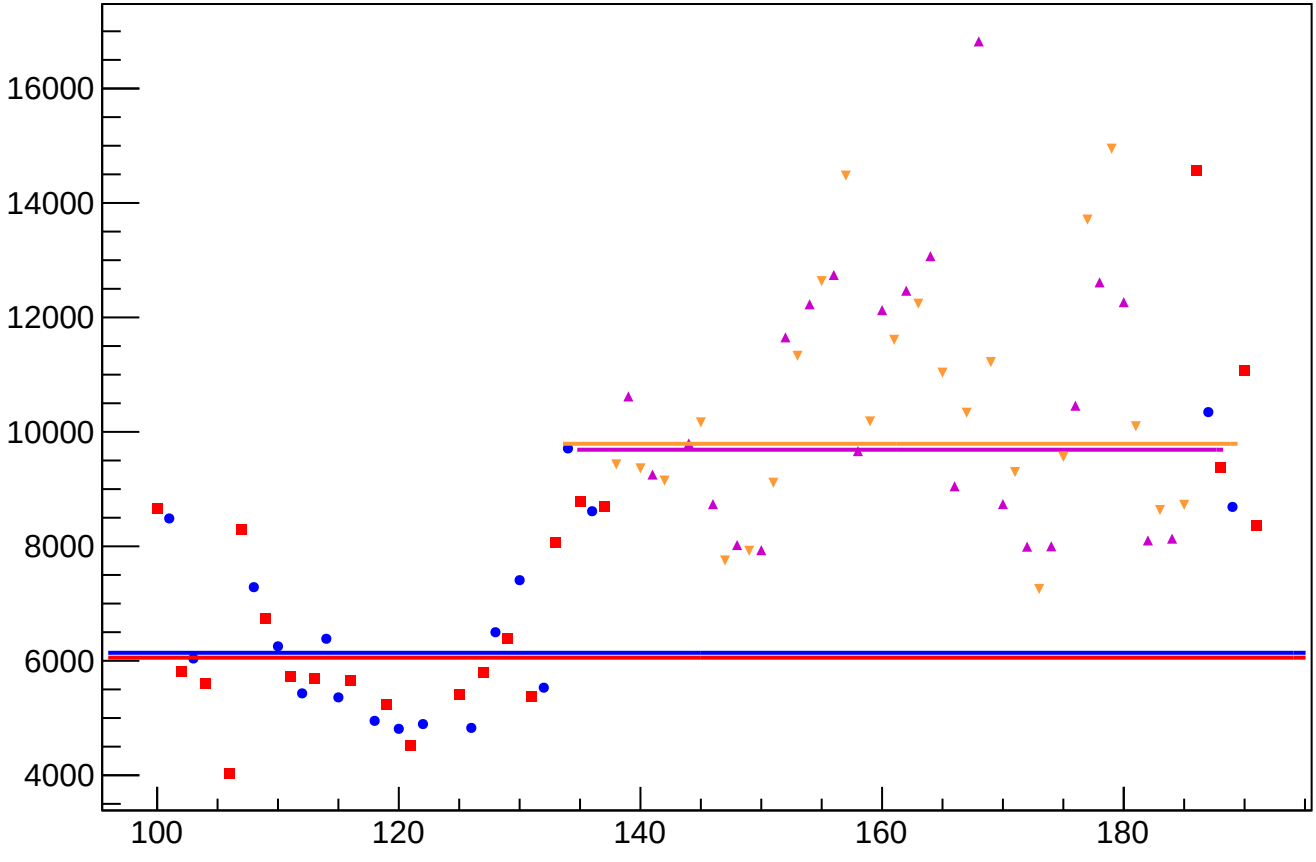
Left In: 463.777+/-2314.482 χ^2/NDF:13.1/22

+ sign -1087.678+/-1614.915 χ^2/NDF: 47.4/41

All: -134.093+/-1114.242 χ^2/NDF: 92.9/86

- sign 732.340+/-1539.351 χ^2/NDF: 44.8/44

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: 6054.629+/-1.458 χ^2/NDF: 1281004.9/21

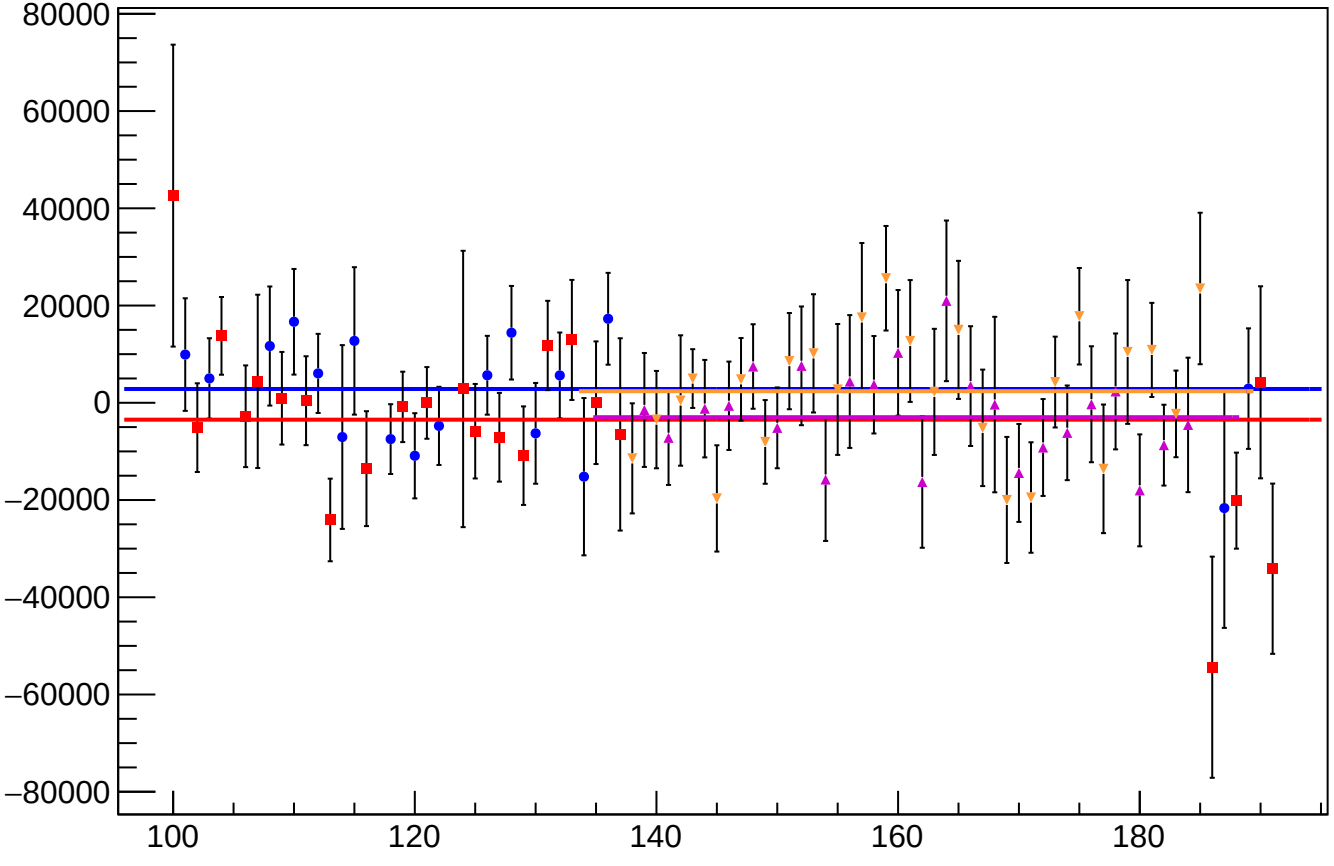
Left In: 9688.194+/-1.637 χ^2/NDF:1378175.1/22

+ sign 7900.020+/-1.142 χ^2/NDF: 4586679.0/41

All: 7775.281+/-0.788 χ^2/NDF: 10017469.9/8

- sign 7661.943+/-1.088 χ^2/NDF: 5408016.3/44

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: -3473.807+/-2228.935 χ^2/NDF: 30.9/22

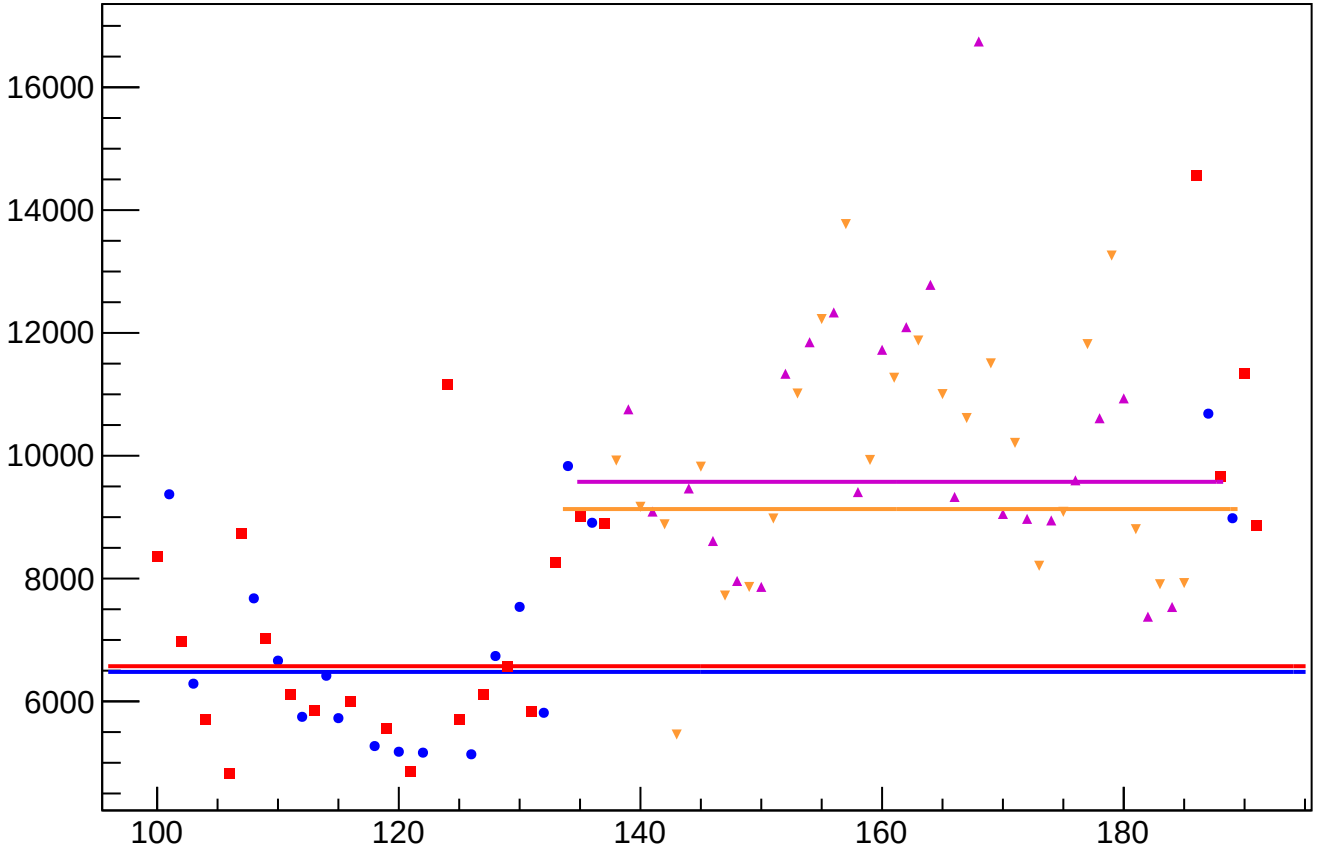
Left In: -2963.537+/-2278.927 χ^2/NDF:13.0/22

+ sign 2589.679+/-1585.351 χ^2/NDF: 45.6/42

All: -302.466+/-1123.874 χ^2/NDF: 96.3/88

- sign -3224.330+/-1593.476 χ^2/NDF: 43.9/45

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

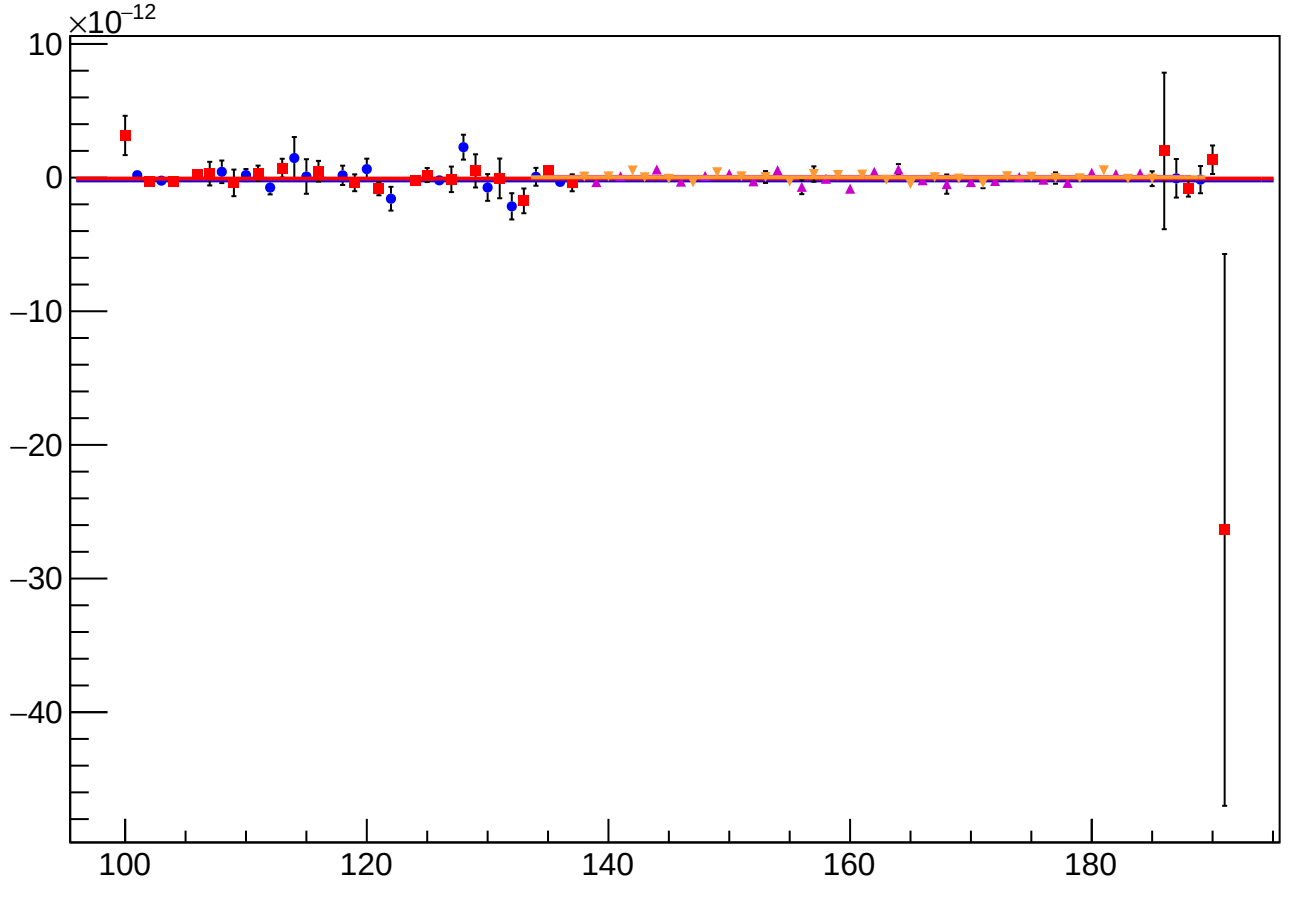
Right Out: 6572.609+/-1.576 χ^2/NDF: 1113795.4/22

Left In: 9575.233+/-1.611 χ^2/NDF:1153802.3/22

+ sign 7939.947+/-1.121 χ^2/NDF: 3963704.1/42

All: 7990.027+/-0.795 χ^2/NDF: 8009782.5/88

- sign 8040.622+/-1.127 χ^2/NDF: 4042066.2/45



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: 25.6/22

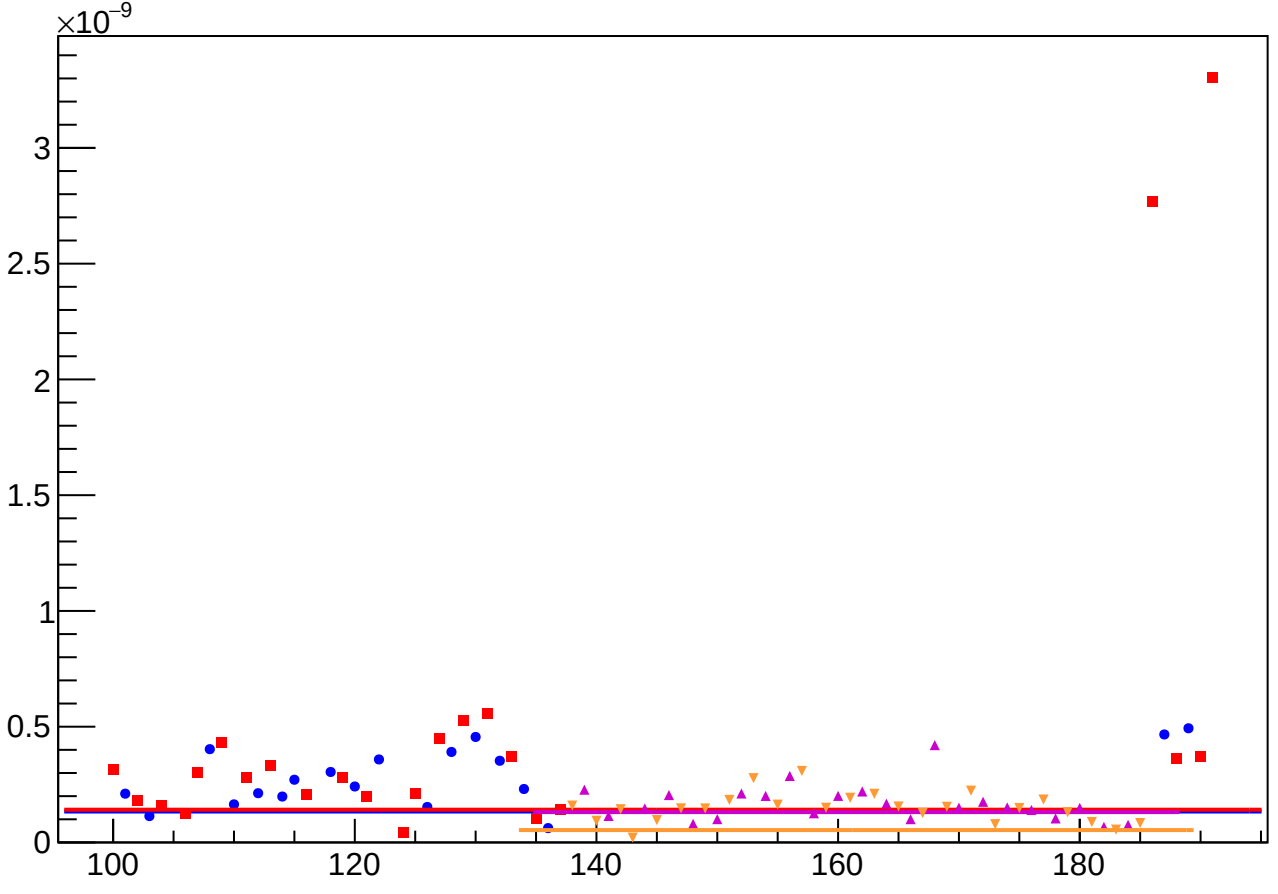
Left In: 0.000+/-0.000 χ^2/NDF:36.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.3/42

All: 0.000+/-0.000 χ^2/NDF: 108.1/88

- sign 0.000+/-0.000 χ^2/NDF: 63.7/45

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: 3101050.2/22

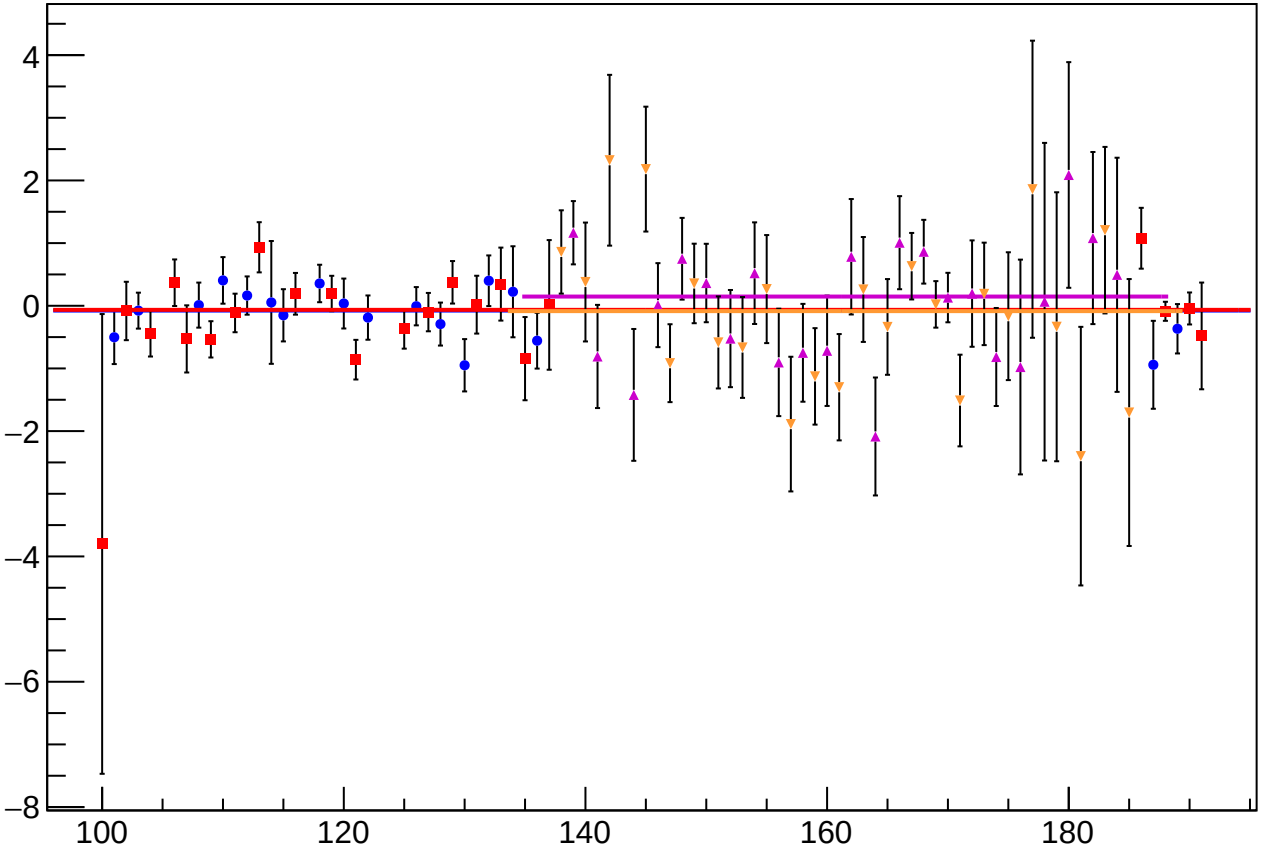
Left In: 0.000+/-0.000 χ^2/NDF:1904207.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 10631398.0/42

All: 0.000+/-0.000 χ^2/NDF: 19169796.6/88

- sign 0.000+/-0.000 χ^2/NDF: 5023545.4/45

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: -0.065+/-0.073 χ^2/NDF: 31.2/21

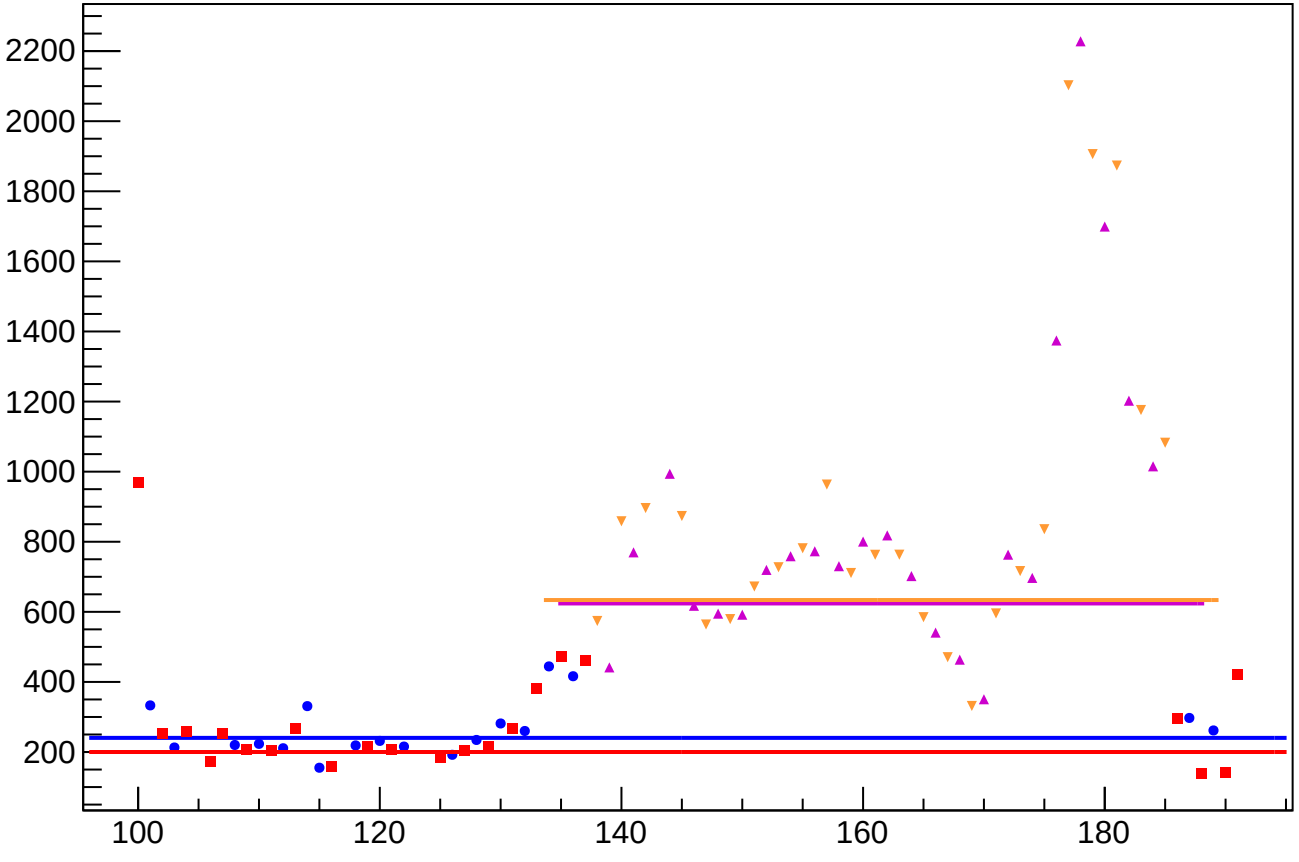
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.078+/-0.079 χ^2/NDF: 45.5/41

All: -0.049+/-0.051 χ^2/NDF: 104.9/86

- sign -0.028+/-0.066 χ^2/NDF: 59.1/44

asym_atl2_dit_vs_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: 200.072+/-0.052 χ^2/NDF: 1650611.1/21

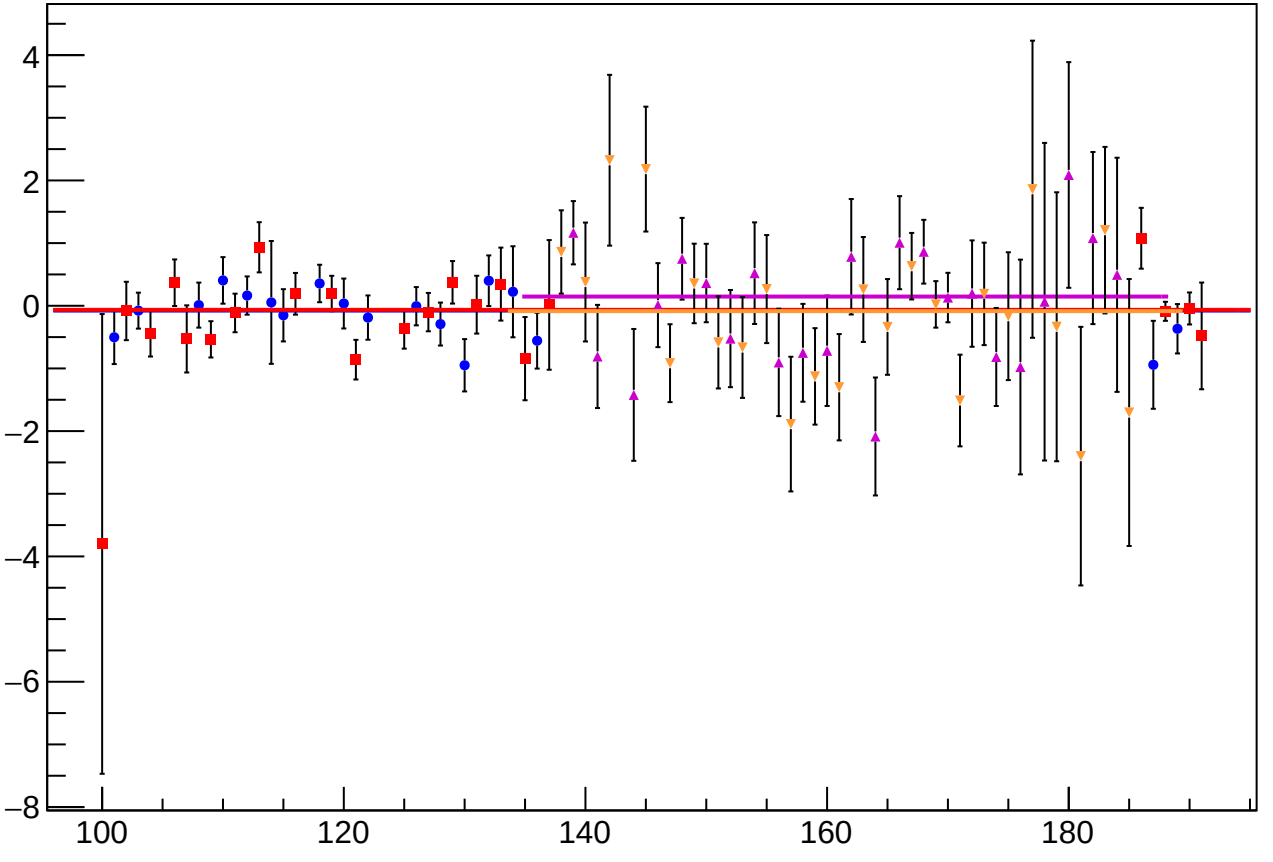
Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 334.409+/-0.056 χ^2/NDF: 14854166.0/41

All: 299.262+/-0.036 χ^2/NDF: 33556554.9/86

- sign 274.474+/-0.047 χ^2/NDF: 18026143.8/44

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: -0.065+/-0.073 χ^2/NDF: 31.2/21

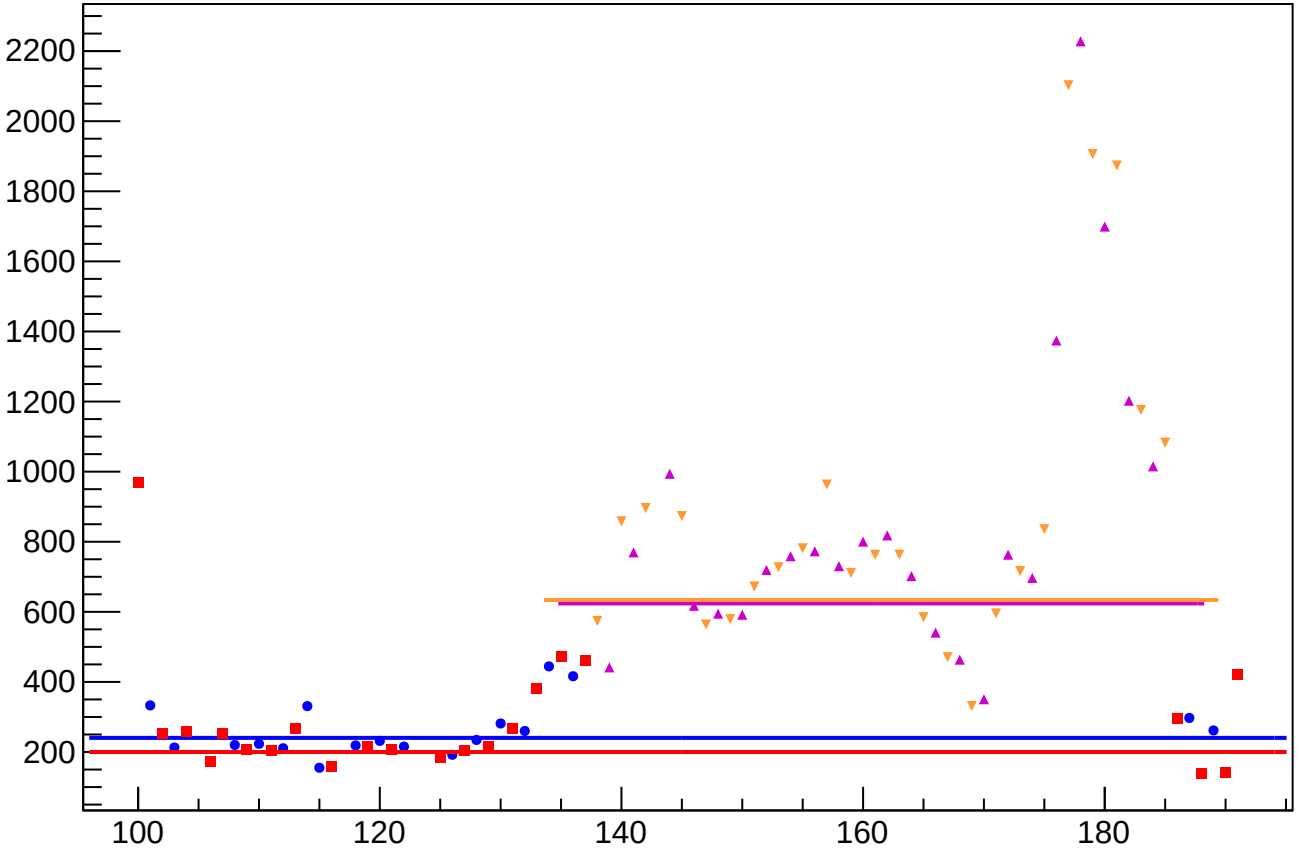
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.078+/-0.079 χ^2/NDF: 45.5/41

All: -0.049+/-0.051 χ^2/NDF: 104.9/86

- sign -0.028+/-0.066 χ^2/NDF: 59.1/44

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

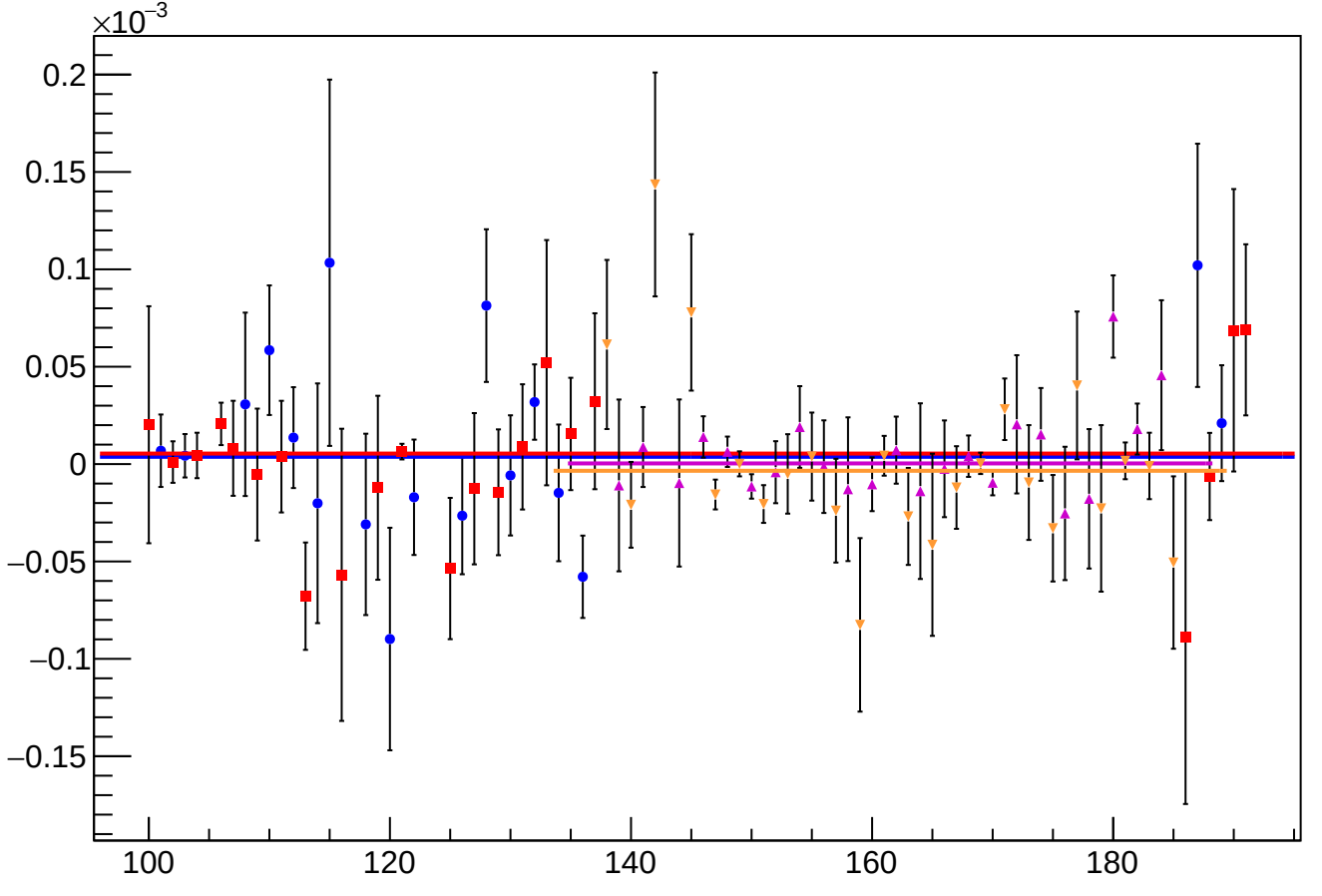
Right Out: 200.072+/-0.052 χ^2/NDF: 1650611.1/21

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 334.409+/-0.056 χ^2/NDF: 14854166.0/41

All: 299.262+/-0.036 χ^2/NDF: 33556554.9/86

- sign 274.474+/-0.047 χ^2/NDF: 18026143.8/44



Right In: 0.000+/-0.000 χ^2/NDF: 26.9/17

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/23

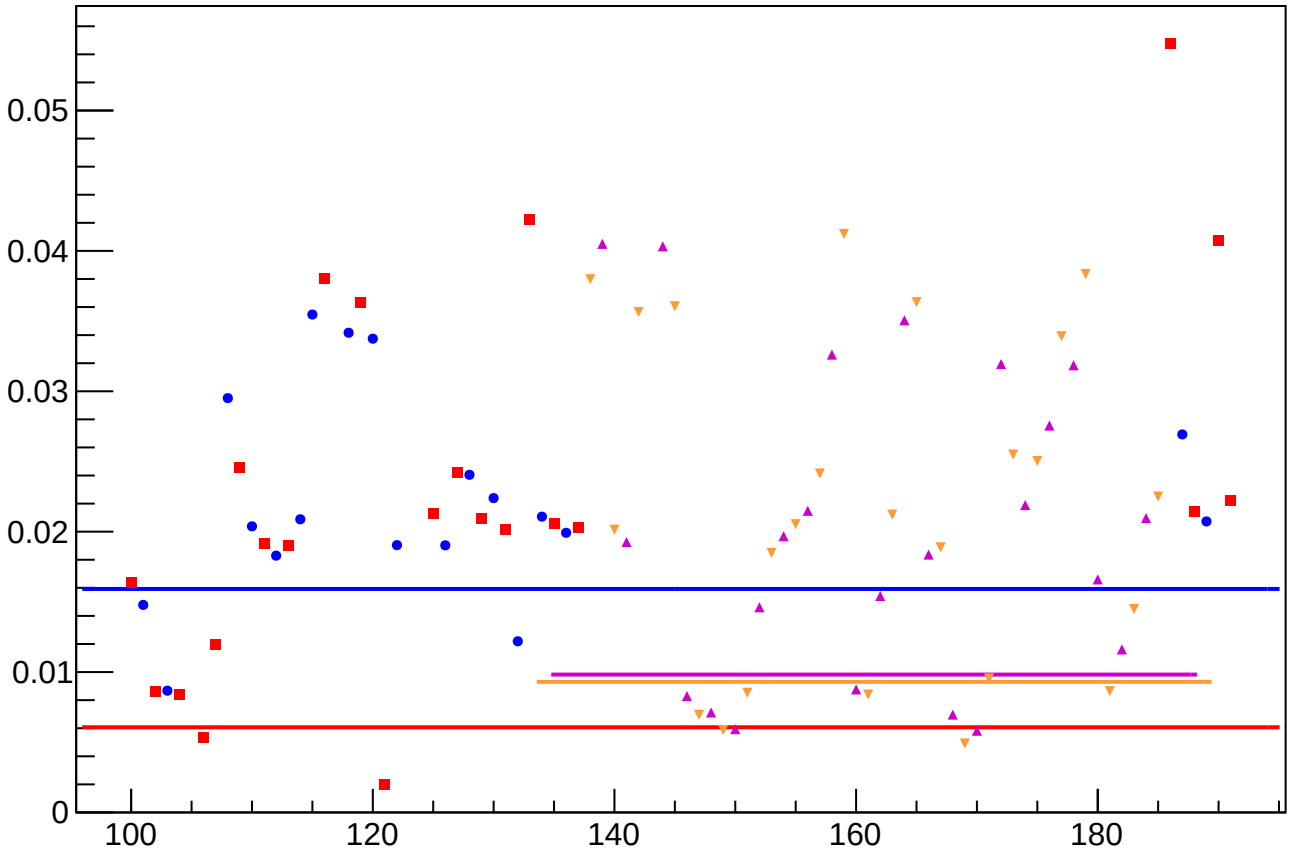
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/21

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: 112.7/86

- sign 0.000+/-0.000 χ^2/NDF: 48.2/44



Right In: 0.016+/-0.000 χ^2/NDF: 2194594.6/17

Left Out: 0.009+/-0.000 χ^2/NDF:12224529.3/23

Right Out: 0.006+/-0.000 χ^2/NDF: 10323053.0/21

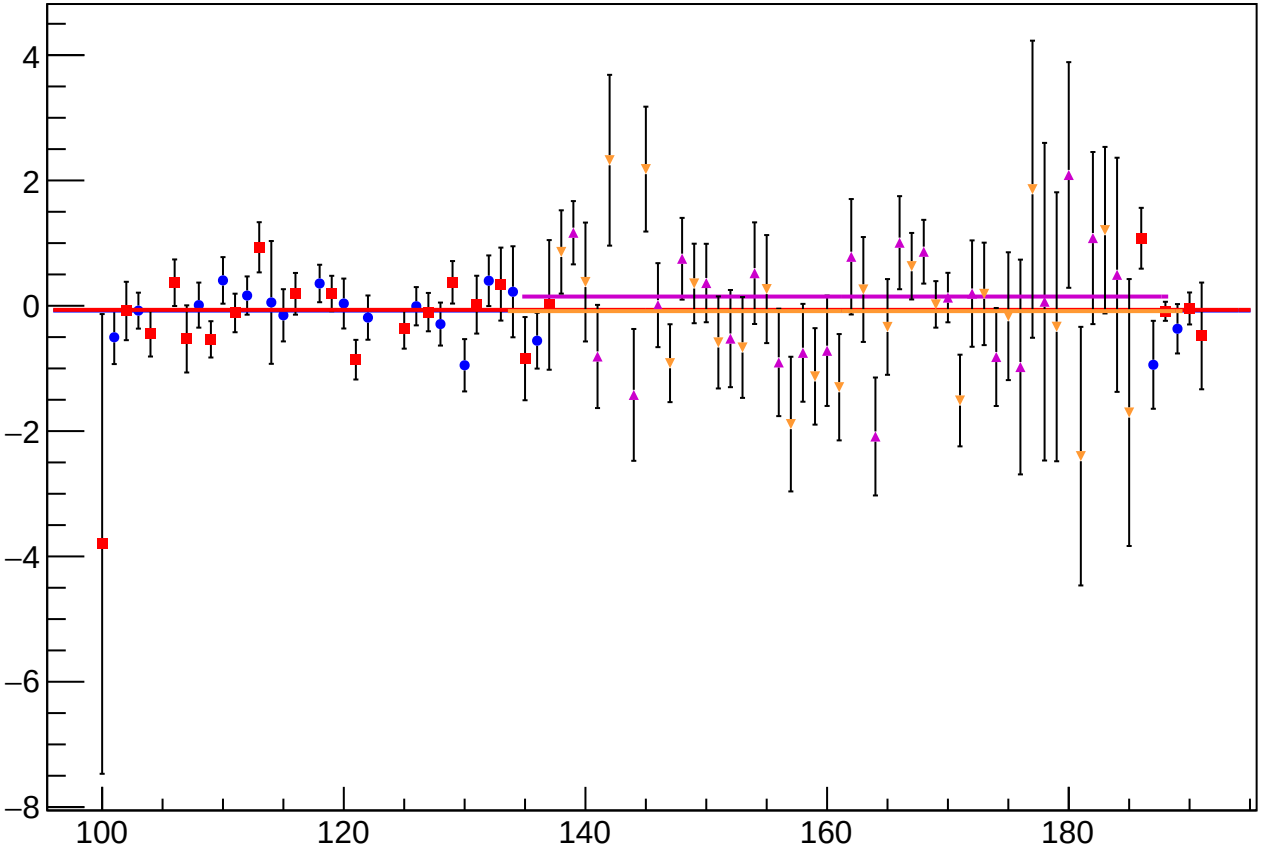
Left In: 0.010+/-0.000 χ^2/NDF:10307261.6/22

+ sign 0.010+/-0.000 χ^2/NDF: 16319543.8/41

All: 0.009+/-0.000 χ^2/NDF: 39449282.9/86

- sign 0.008+/-0.000 χ^2/NDF: 22166912.9/44

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: -0.065+/-0.073 χ^2/NDF: 31.2/21

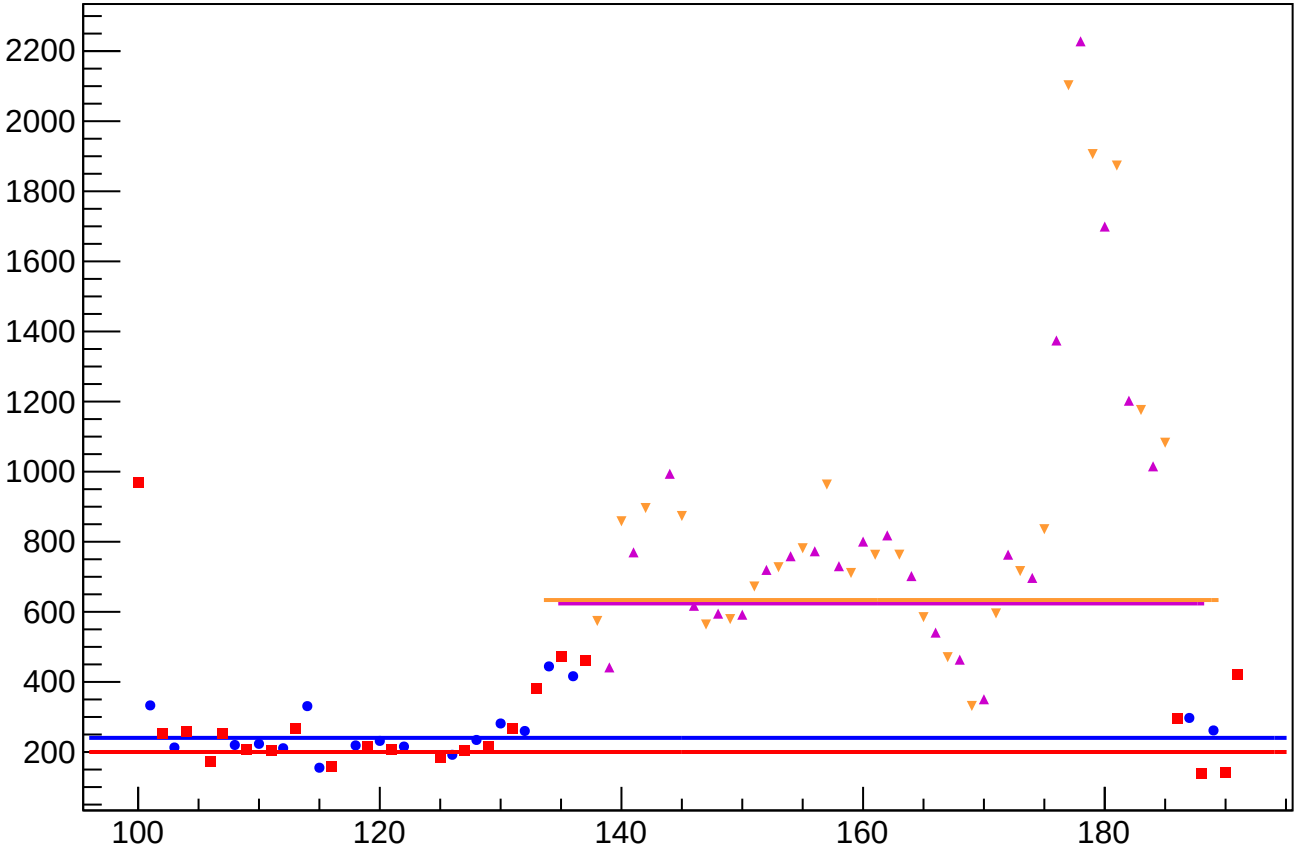
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.078+/-0.079 χ^2/NDF: 45.5/41

All: -0.049+/-0.051 χ^2/NDF: 104.9/86

- sign -0.028+/-0.066 χ^2/NDF: 59.1/44

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

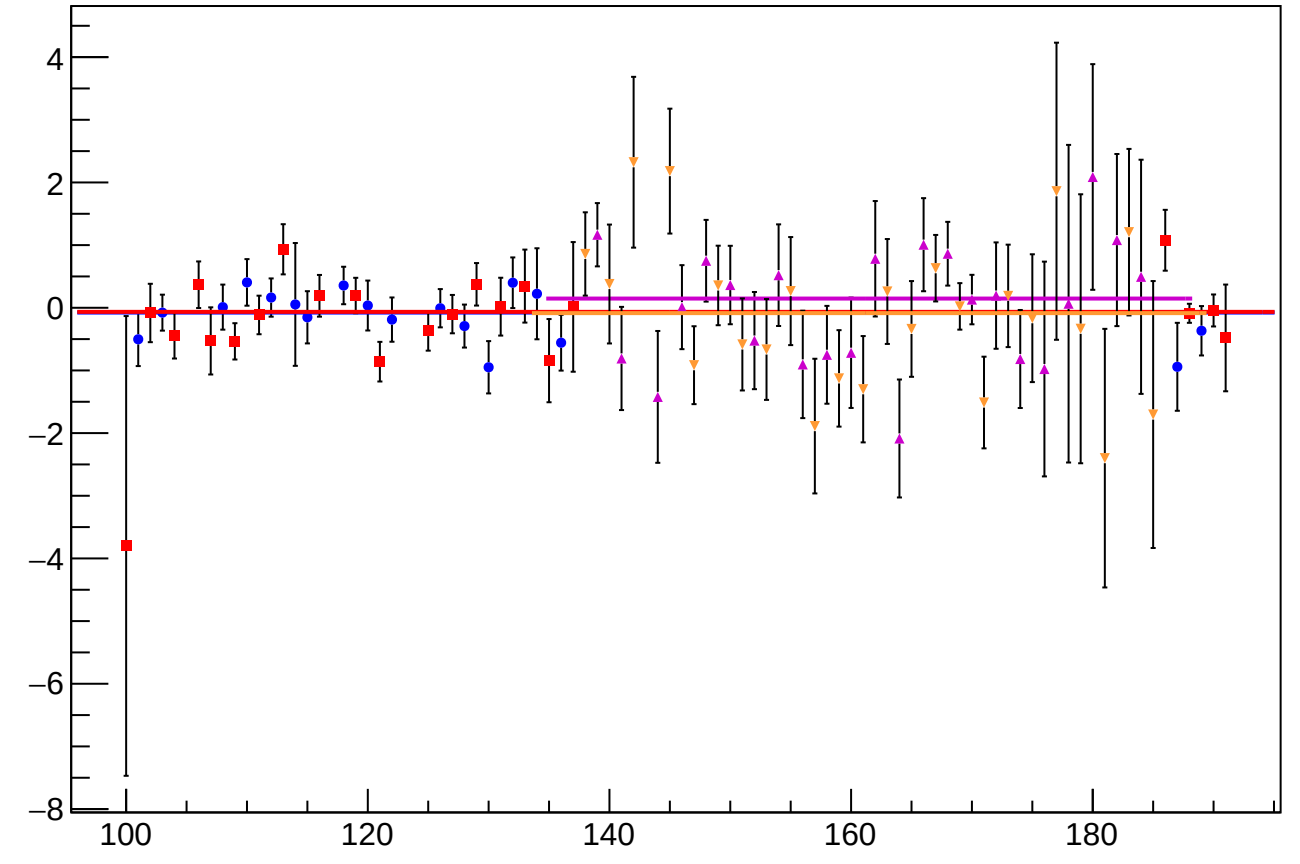
Right Out: 200.069+/-0.052 χ^2/NDF: 1650637.6/21

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

+ sign 334.411+/-0.056 χ^2/NDF: 14854216.9/41

All: 299.260+/-0.036 χ^2/NDF: 33557061.6/86

- sign 274.470+/-0.047 χ^2/NDF: 18026491.9/44



Right In: -0.076+/-0.090 χ^2/NDF: 15.3/17

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

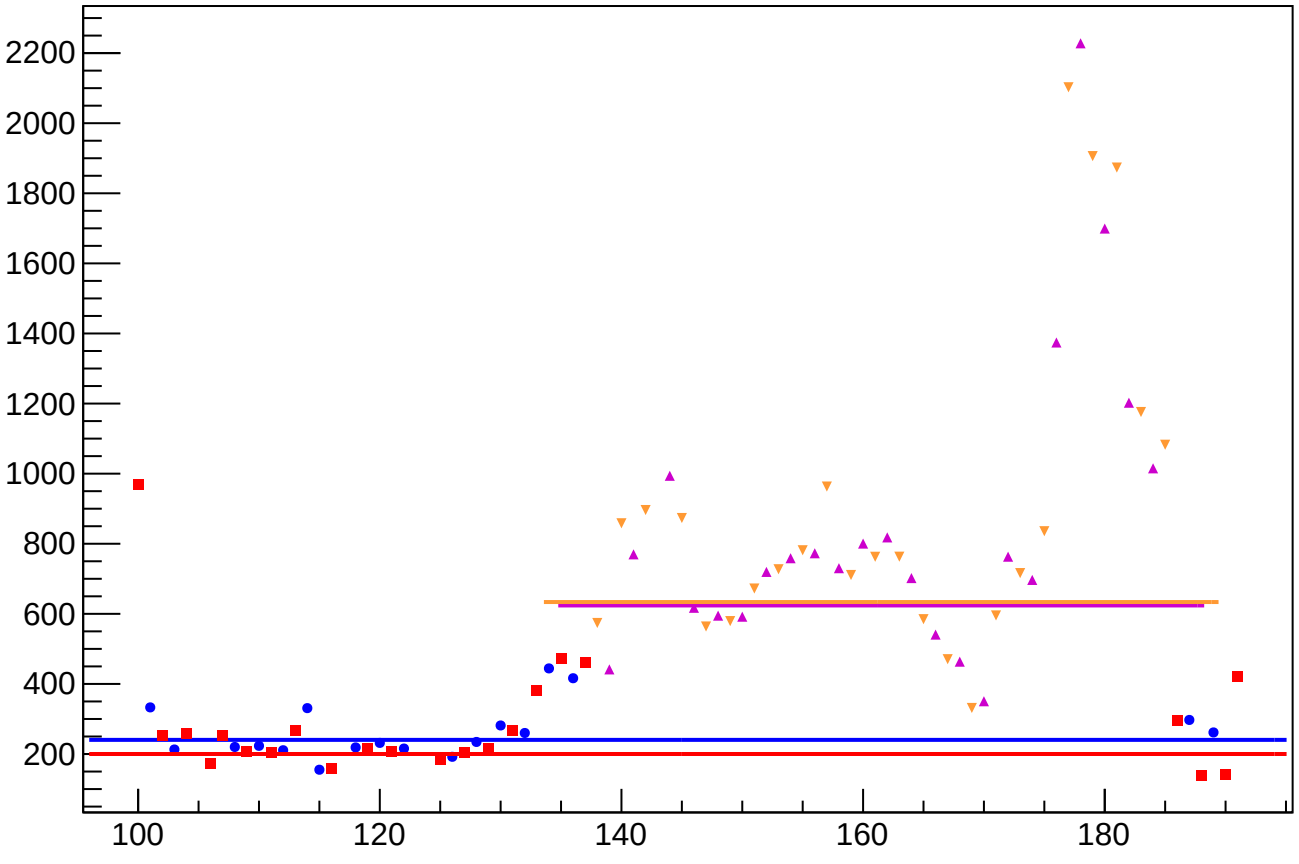
Right Out: -0.065+/-0.073 χ^2/NDF: 31.2/21

Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

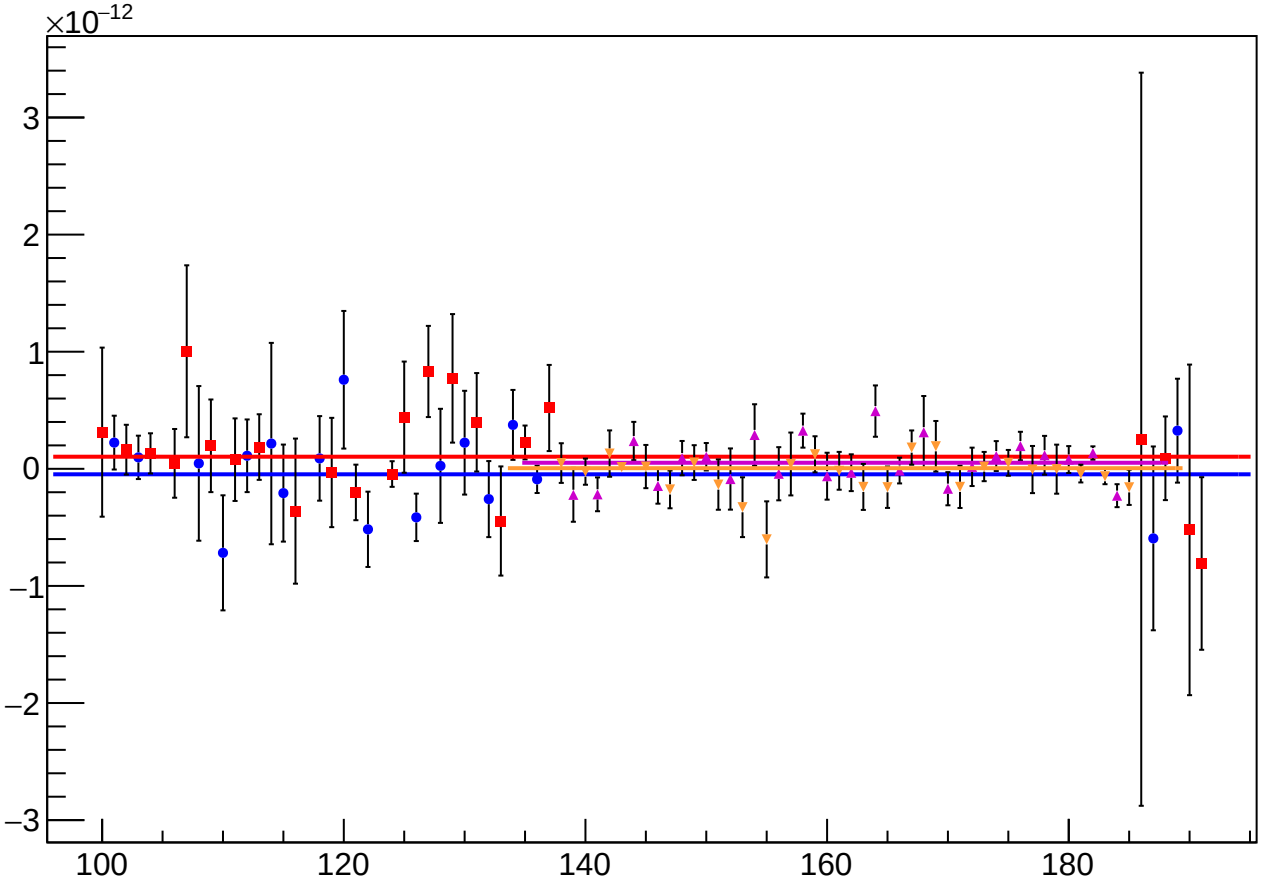
+ sign -0.078+/-0.079 χ^2/NDF: 45.5/41

All: -0.049+/-0.051 χ^2/NDF: 104.9/86

- sign -0.028+/-0.066 χ^2/NDF: 59.1/44


asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs Slug
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
100
120
140
160
180
Right In: 240.384+/-0.064 χ²/NDF: 827230.7/17
Left Out: 633.678+/-0.114 χ²/NDF:4994172.5/23
Right Out: 200.069+/-0.052 χ²/NDF: 1650637.6/21
Left In: 623.922+/-0.112 χ²/NDF:4541413.9/22
+ sign 334.411+/-0.056 χ²/NDF: 14854216.9/41
All: 299.260+/-0.036 χ²/NDF: 33557061.6/86
- sign 274.470+/-0.047 χ²/NDF: 18026491.9/44

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: 17.1/22

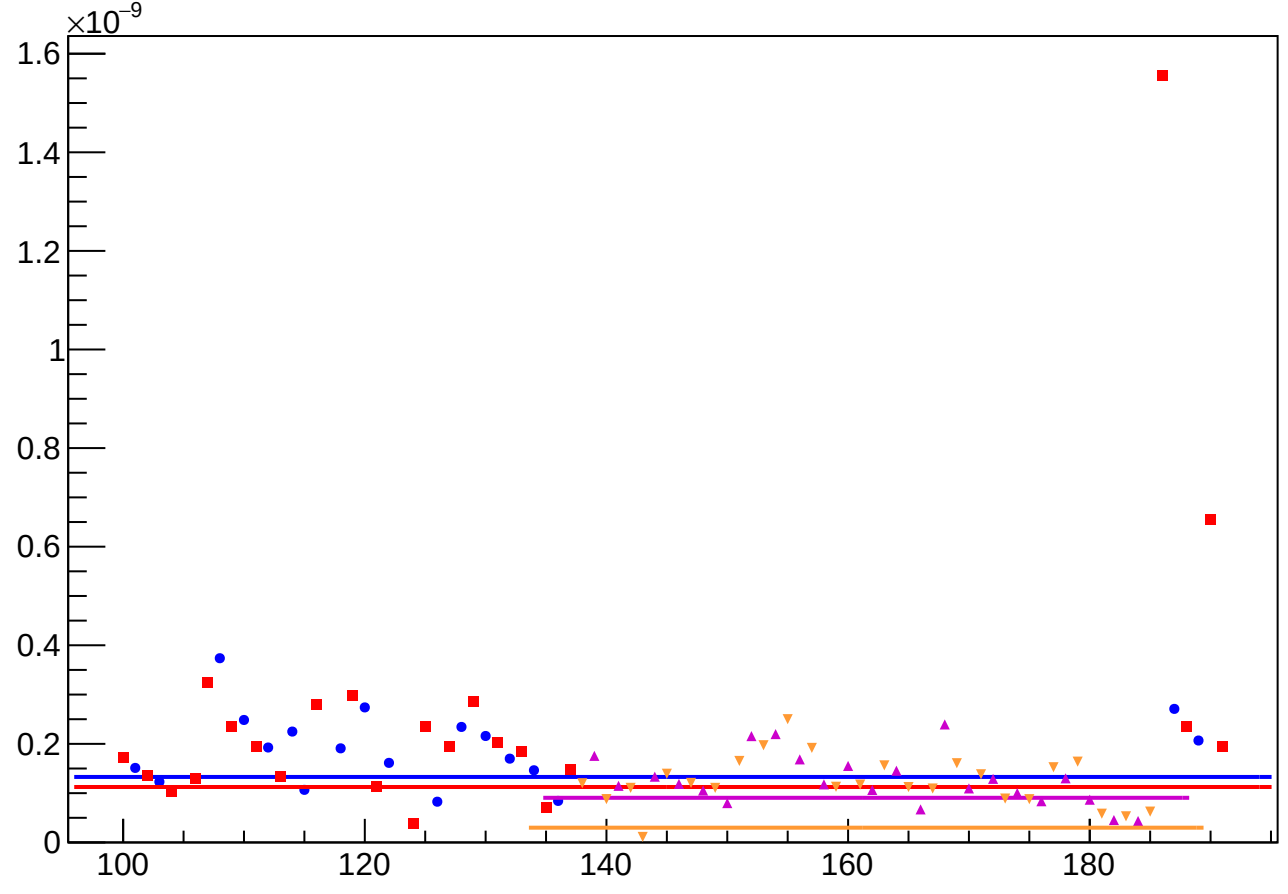
Left In: 0.000+/-0.000 χ^2/NDF:33.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 32.4/42

All: 0.000+/-0.000 χ^2/NDF: 87.6/88

- sign 0.000+/-0.000 χ^2/NDF: 51.1/45

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: 3657213.6/22

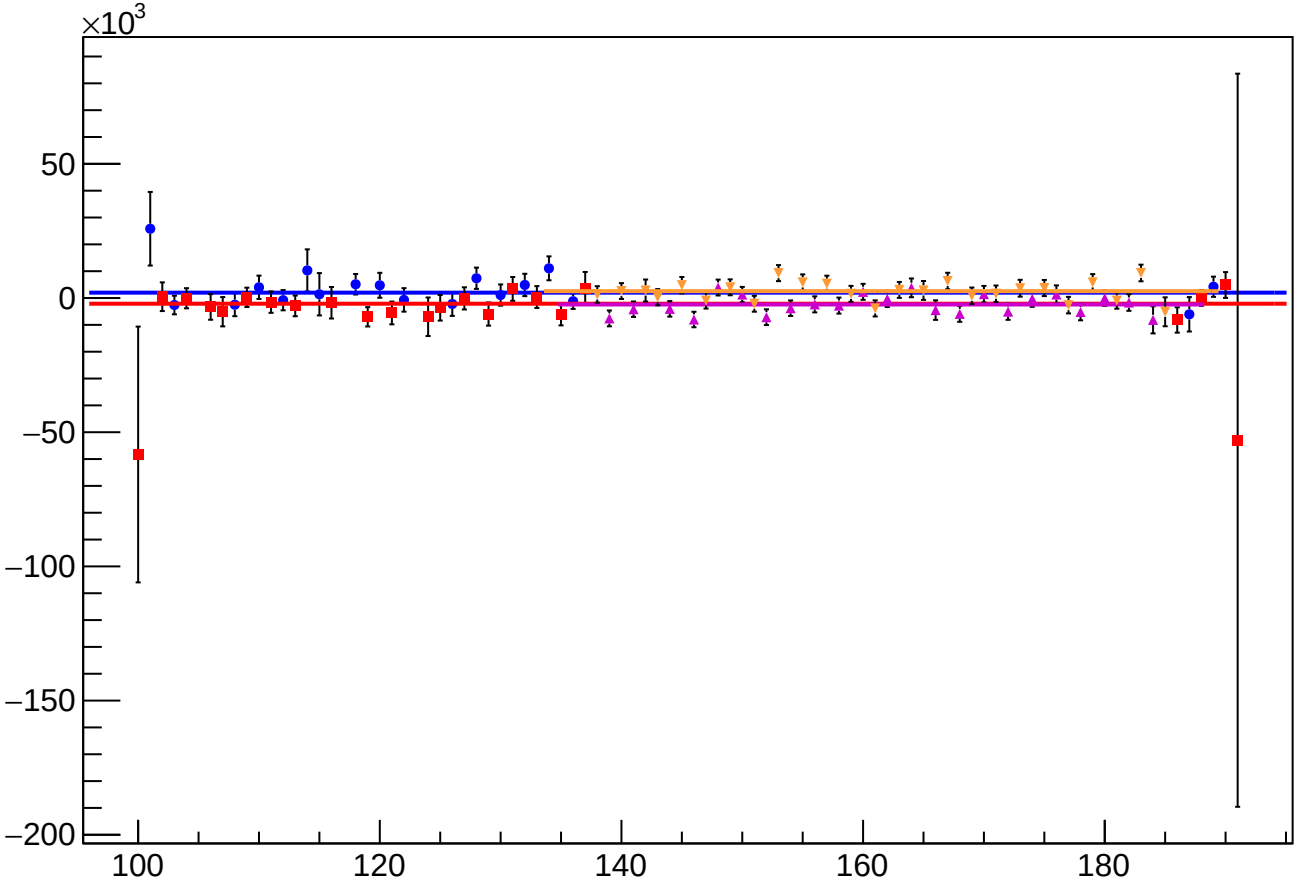
Left In: 0.000+/-0.000 χ^2/NDF:4716343.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 23318678.3/42

All: 0.000+/-0.000 χ^2/NDF: 40973976.9/88

- sign 0.000+/-0.000 χ^2/NDF: 8605115.5/45

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: -2117.781+/-938.427 χ^2/NDF: 15.3/22

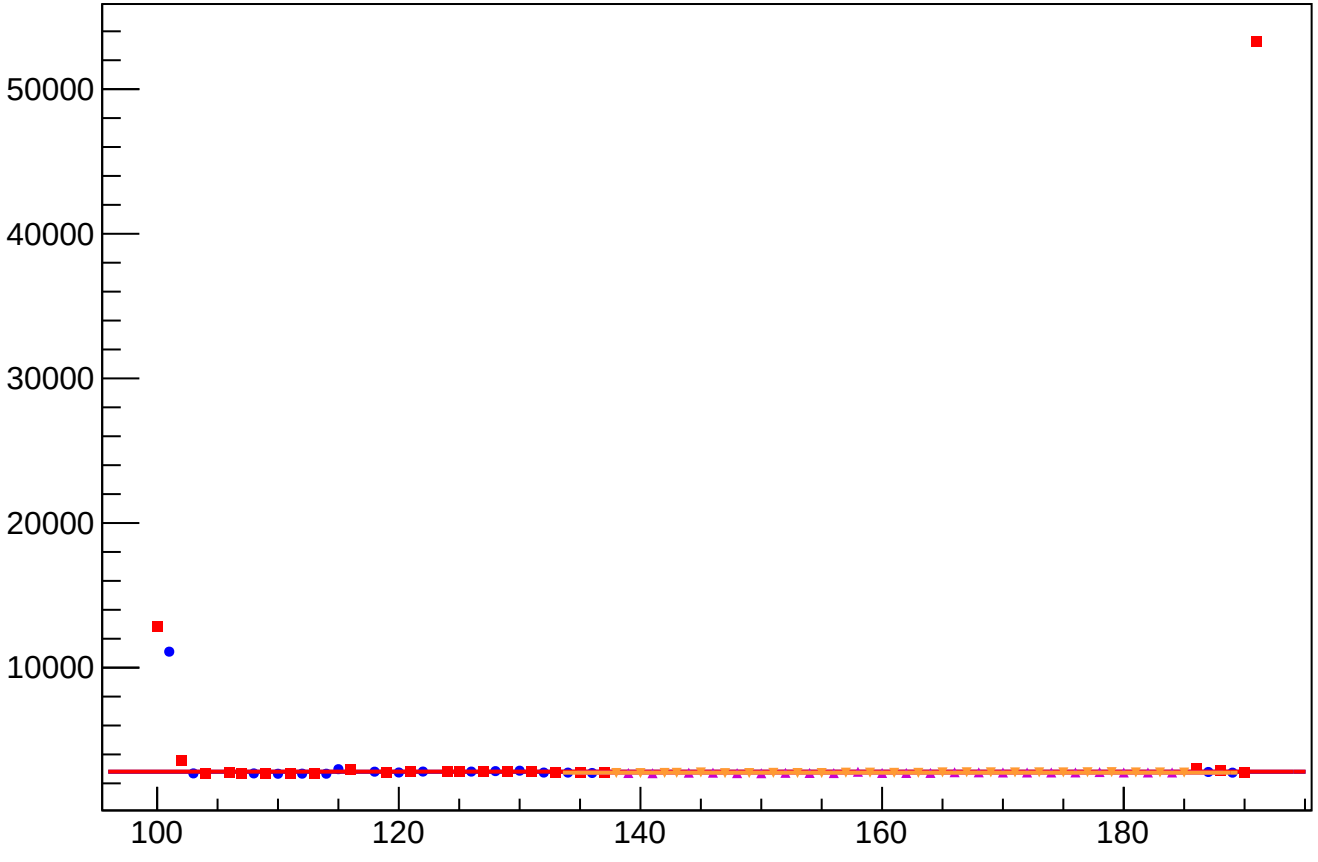
Left In: -2408.320+/-639.726 χ^2/NDF:31.4/22

+ sign 2406.009+/-530.448 χ^2/NDF: 51.5/42

All: 36.644+/-374.424 χ^2/NDF: 138.0/88

- sign -2316.139+/-528.588 χ^2/NDF: 46.7/45

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: 2811.022+/-0.664 χ^2/NDF: 476940.1/22

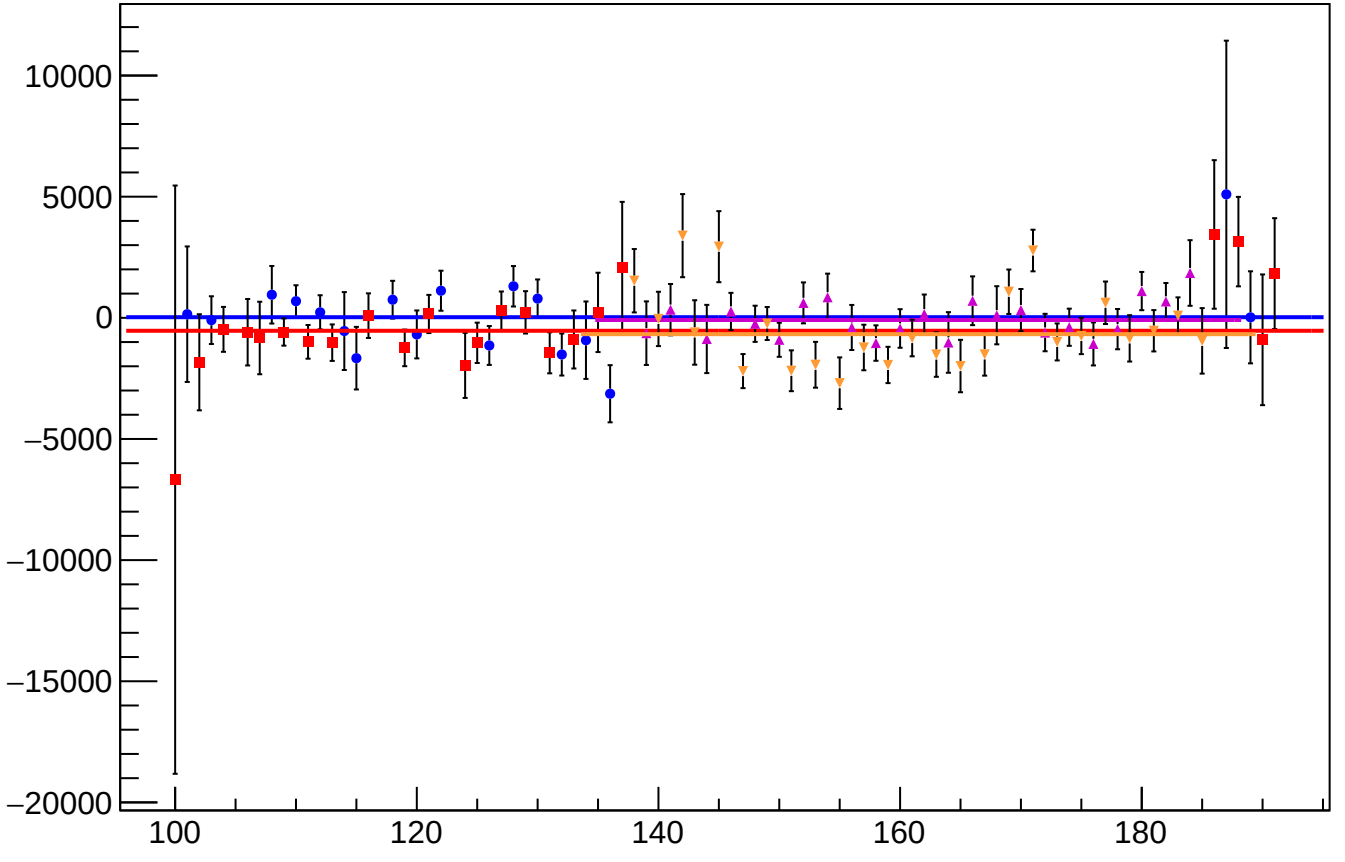
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2754.591+/-0.375 χ^2/NDF: 754662.1/42

All: 2758.530+/-0.265 χ^2/NDF: 1243035.2/88

- sign 2762.440+/-0.374 χ^2/NDF: 488153.4/45

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: -534.380+/-212.371 χ^2/NDF: 16.2/22

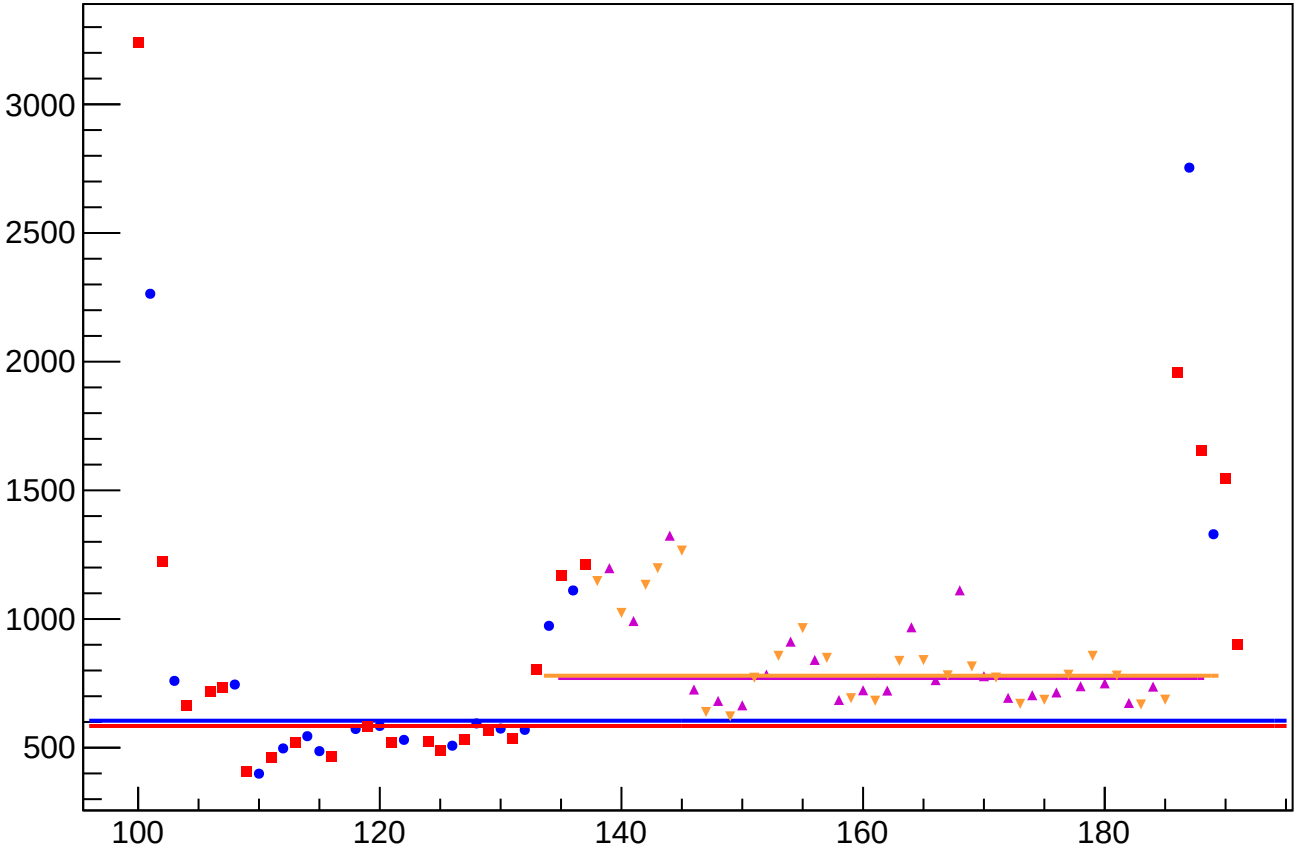
Left In: -89.519+/-183.491 χ^2/NDF:14.8/22

+ sign -408.026+/-142.723 χ^2/NDF: 87.4/42

All: -342.079+/-99.521 χ^2/NDF: 121.3/88

- sign -279.666+/-138.845 χ^2/NDF: 33.5/45

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: 584.419+/-0.150 χ^2/NDF: 2522745.1/22

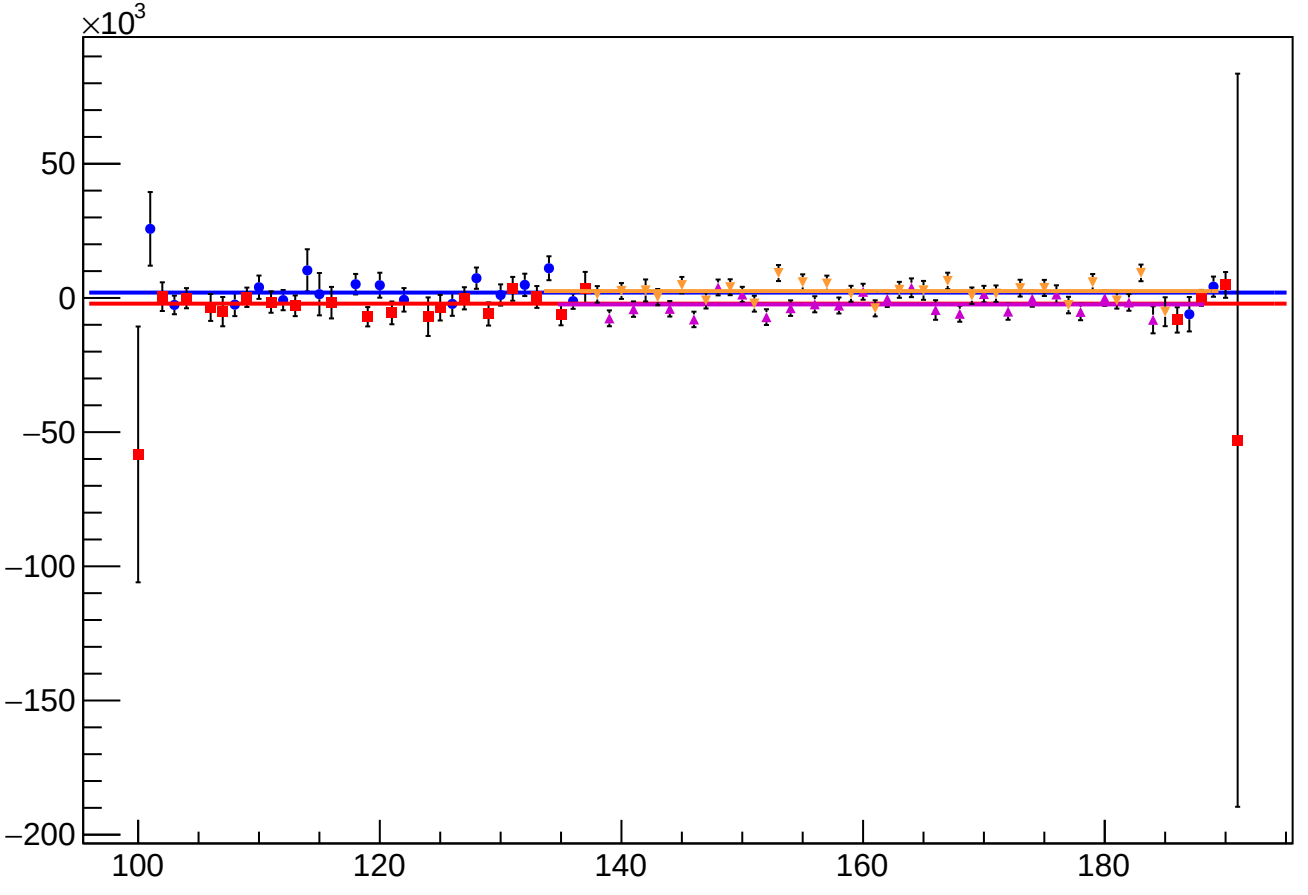
Left In: 770.795+/-0.130 χ^2/NDF:1076354.9/22

+ sign 713.318+/-0.101 χ^2/NDF: 4045858.0/42

All: 701.919+/-0.070 χ^2/NDF: 8551742.8/88

- sign 691.132+/-0.098 χ^2/NDF: 4481055.0/45

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: -2121.558+/-940.201 χ^2/NDF: 15.3/22

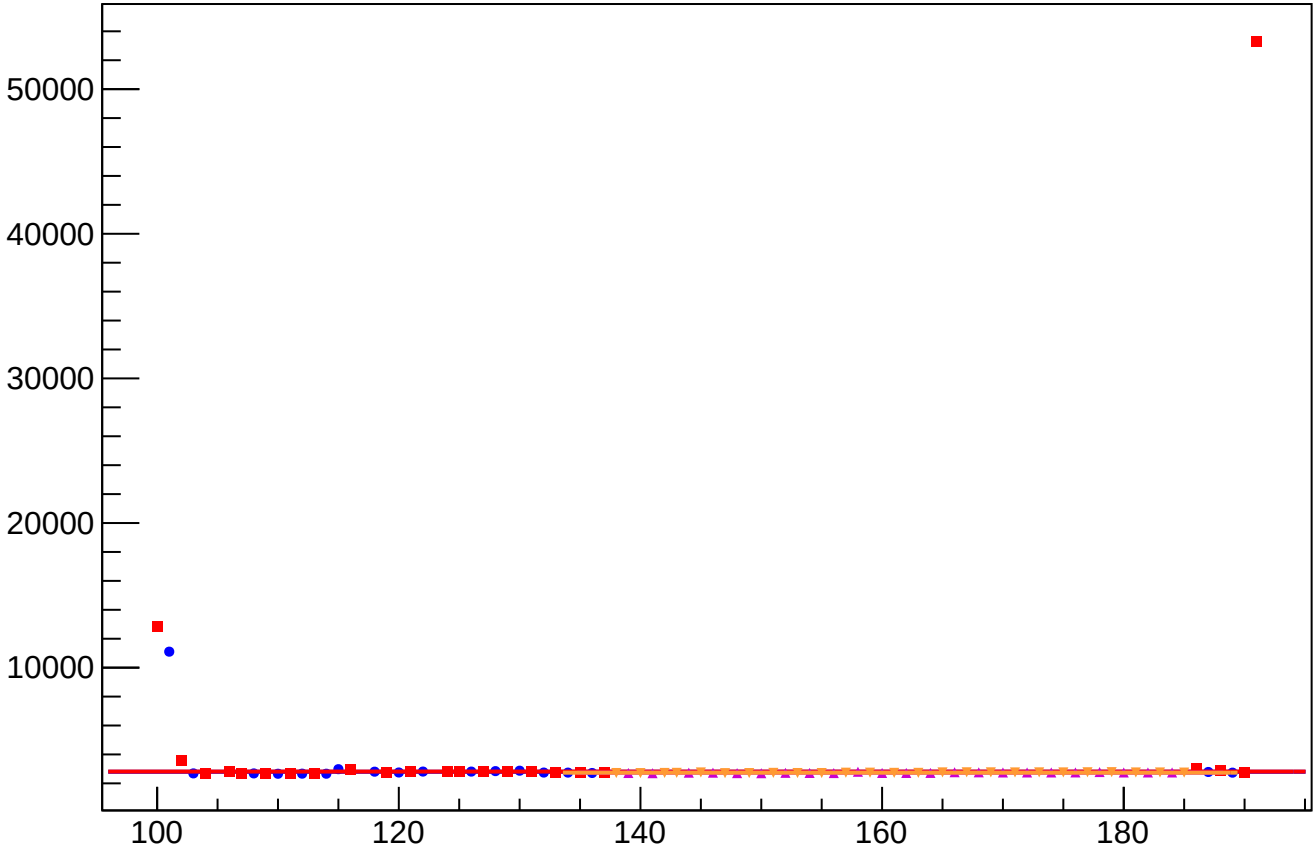
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2405.787+/-530.448 χ^2/NDF: 51.5/42

All: 37.179+/-374.536 χ^2/NDF: 138.0/88

- sign -2317.669+/-528.905 χ^2/NDF: 46.7/45

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: 2815.486+/-0.665 χ^2/NDF: 476249.7/22

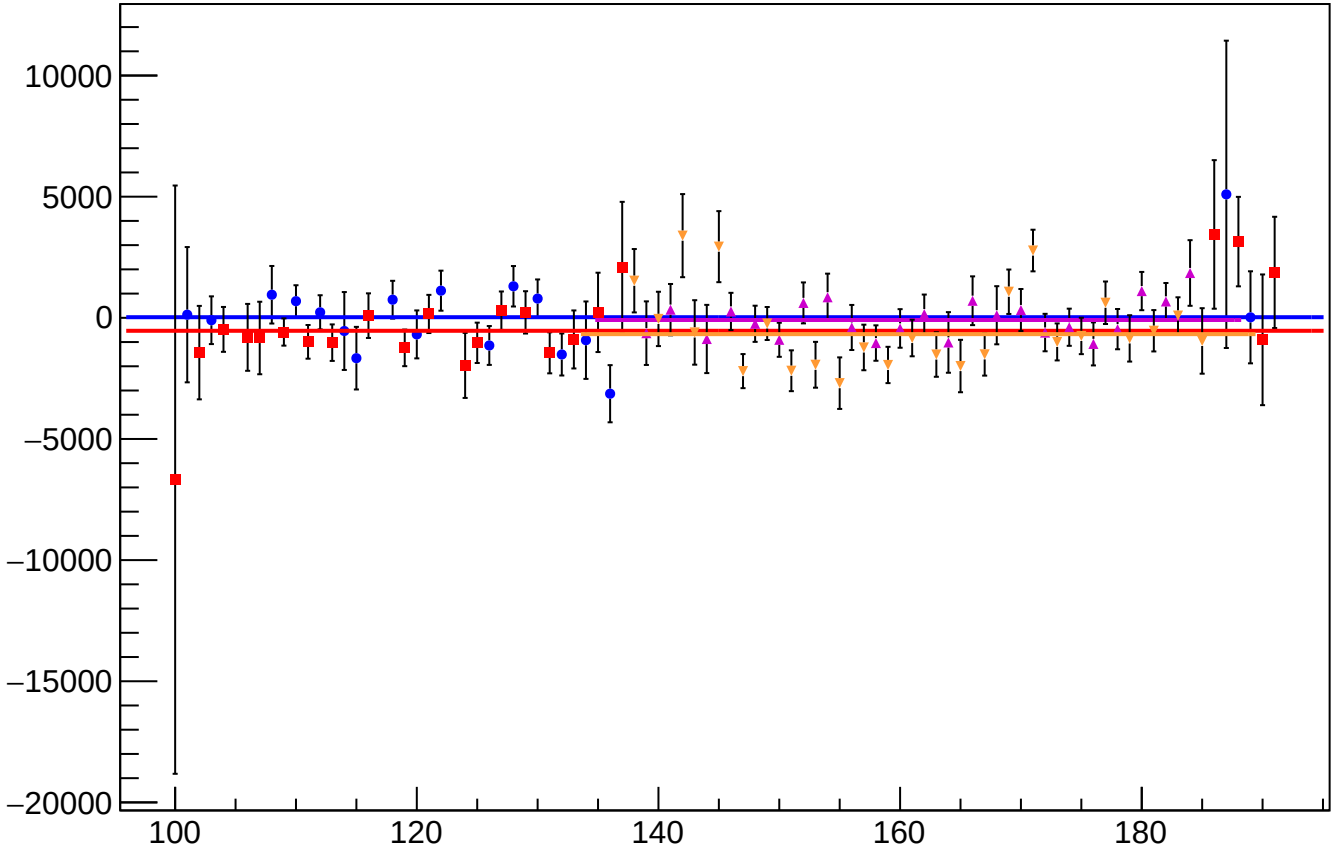
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2754.591+/-0.375 χ^2/NDF: 754661.2/42

All: 2759.206+/-0.265 χ^2/NDF: 1243419.1/88

- sign 2763.795+/-0.374 χ^2/NDF: 488456.0/45

asym_atr1_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: -535.236+/-212.334 χ^2/NDF: 16.0/22

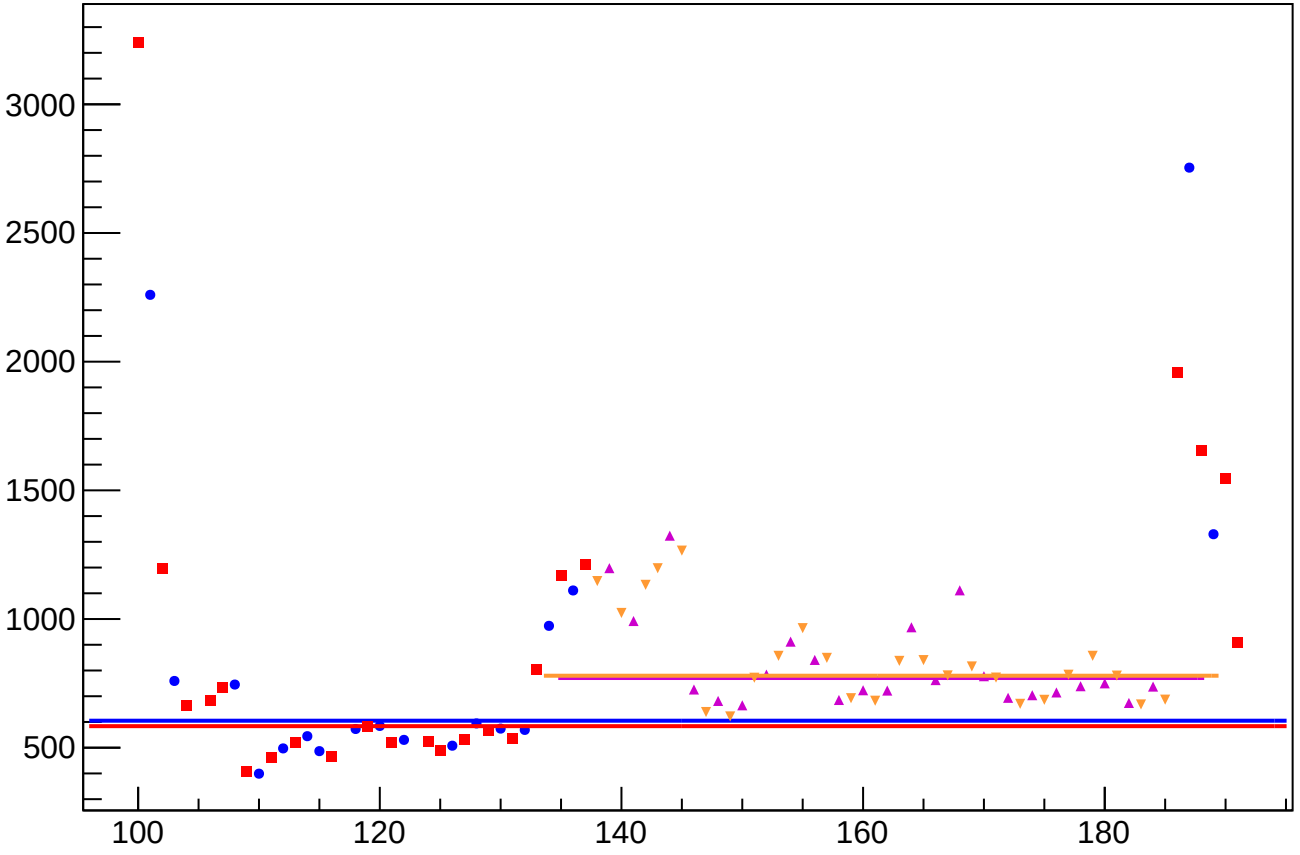
Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

+ sign -407.973+/-142.720 χ^2/NDF: 87.4/42

All: -342.294+/-99.516 χ^2/NDF: 121.2/88

- sign -280.142+/-138.835 χ^2/NDF: 33.3/45

asym_atr1_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: 583.722+/-0.150 χ^2/NDF: 2510887.3/22

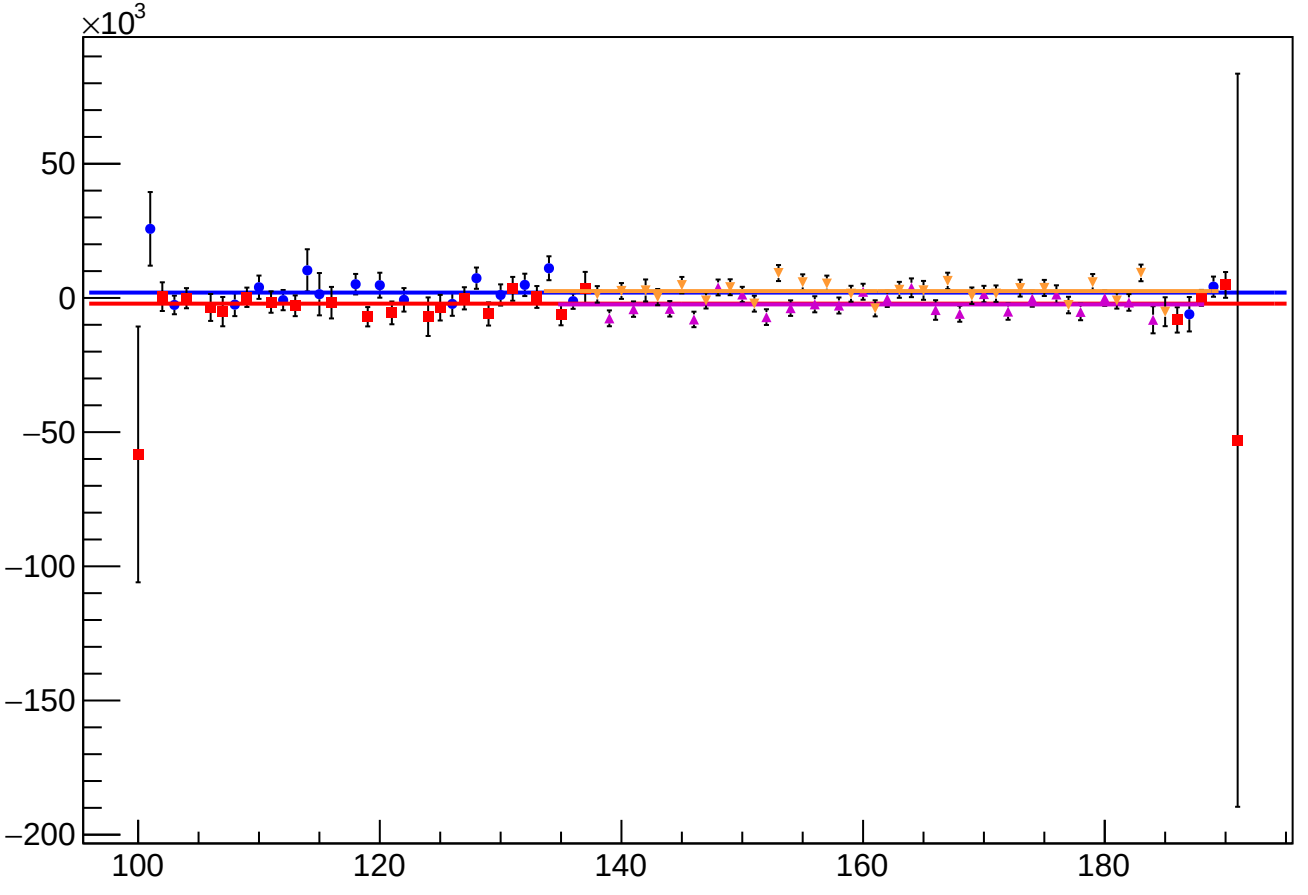
Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 713.311+/-0.101 χ^2/NDF: 4044910.1/42

All: 701.755+/-0.070 χ^2/NDF: 8546380.5/88

- sign 690.820+/-0.098 χ^2/NDF: 4475949.7/45

eigen_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: -2121.558+/-940.201 χ^2/NDF: 15.3/22

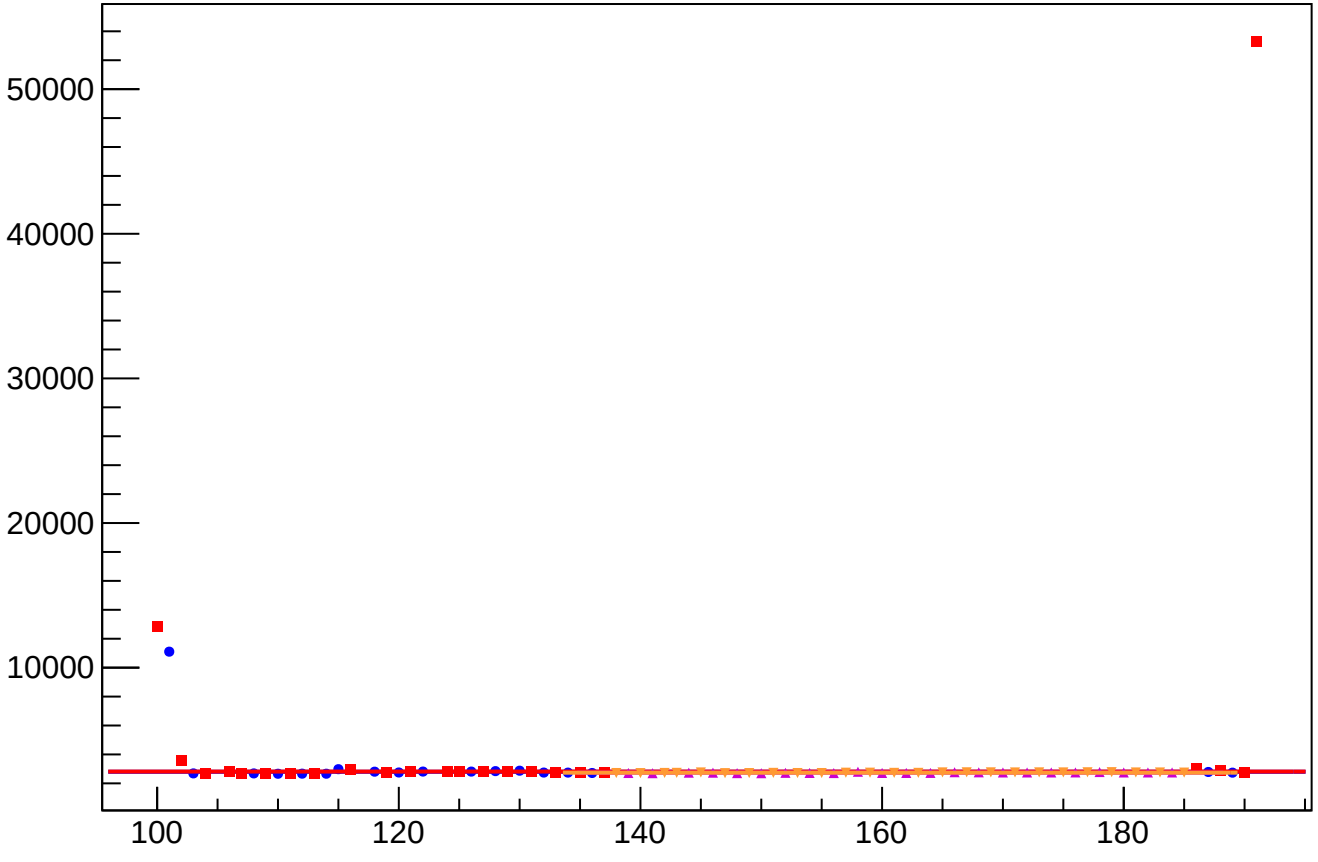
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2405.787+/-530.448 χ^2/NDF: 51.5/42

All: 37.179+/-374.536 χ^2/NDF: 138.0/88

- sign -2317.669+/-528.905 χ^2/NDF: 46.7/45

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: 2815.486+/-0.665 χ^2/NDF: 476249.7/22

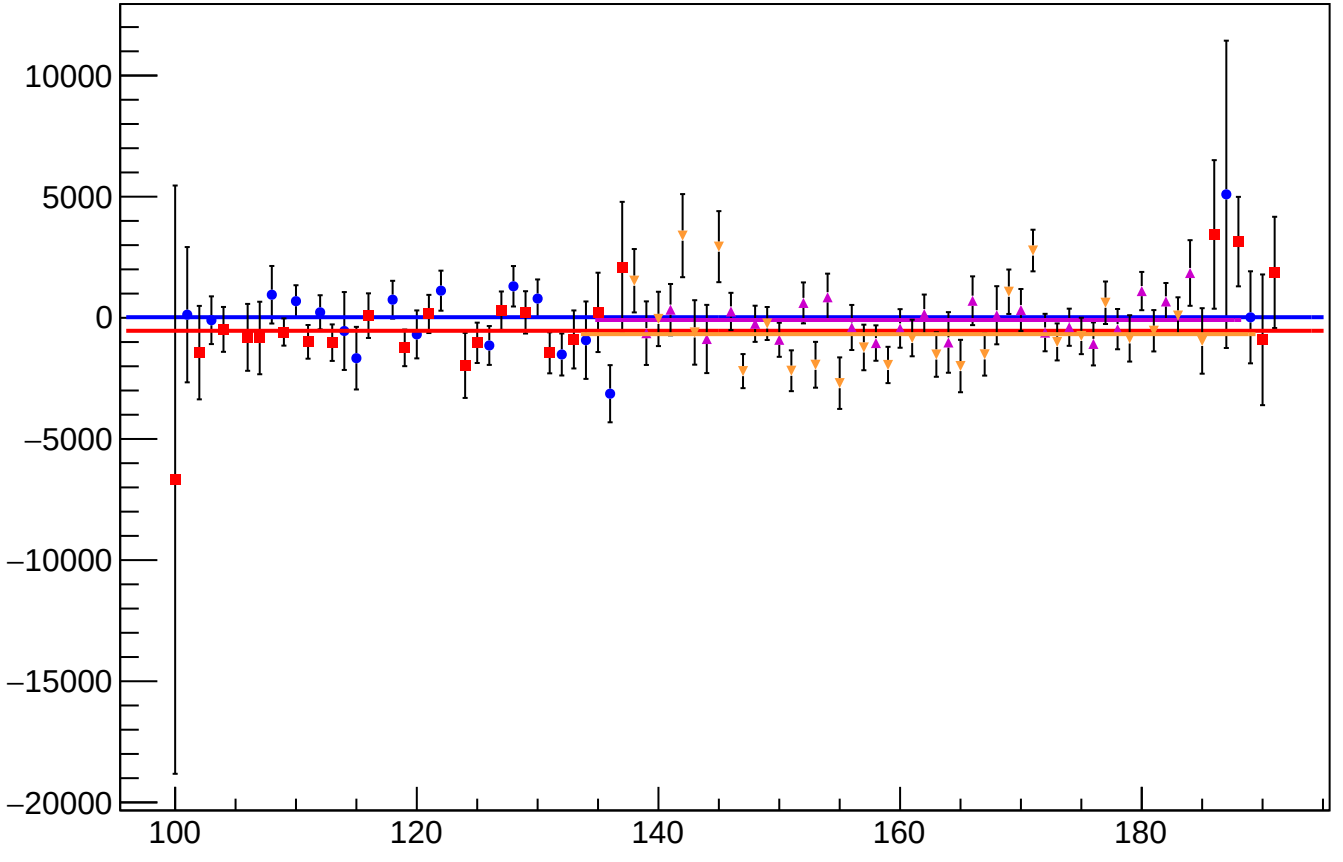
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2754.591+/-0.375 χ^2/NDF: 754661.2/42

All: 2759.206+/-0.265 χ^2/NDF: 1243419.1/88

- sign 2763.795+/-0.374 χ^2/NDF: 488456.0/45

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: -535.236+/-212.334 χ^2/NDF: 16.0/22

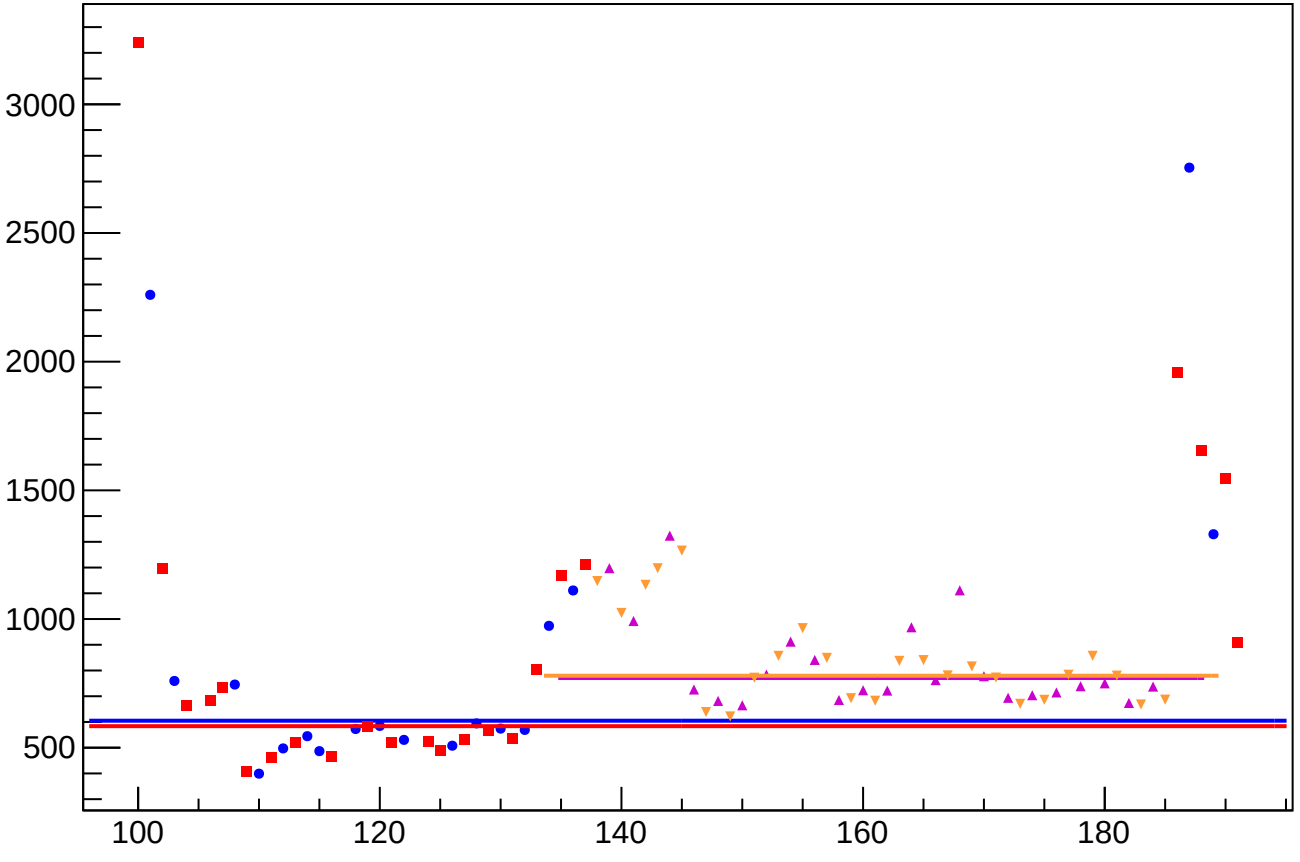
Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

+ sign -407.973+/-142.720 χ^2/NDF: 87.4/42

All: -342.294+/-99.516 χ^2/NDF: 121.2/88

- sign -280.142+/-138.835 χ^2/NDF: 33.3/45

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: 583.722+/-0.150 χ^2/NDF: 2510887.3/22

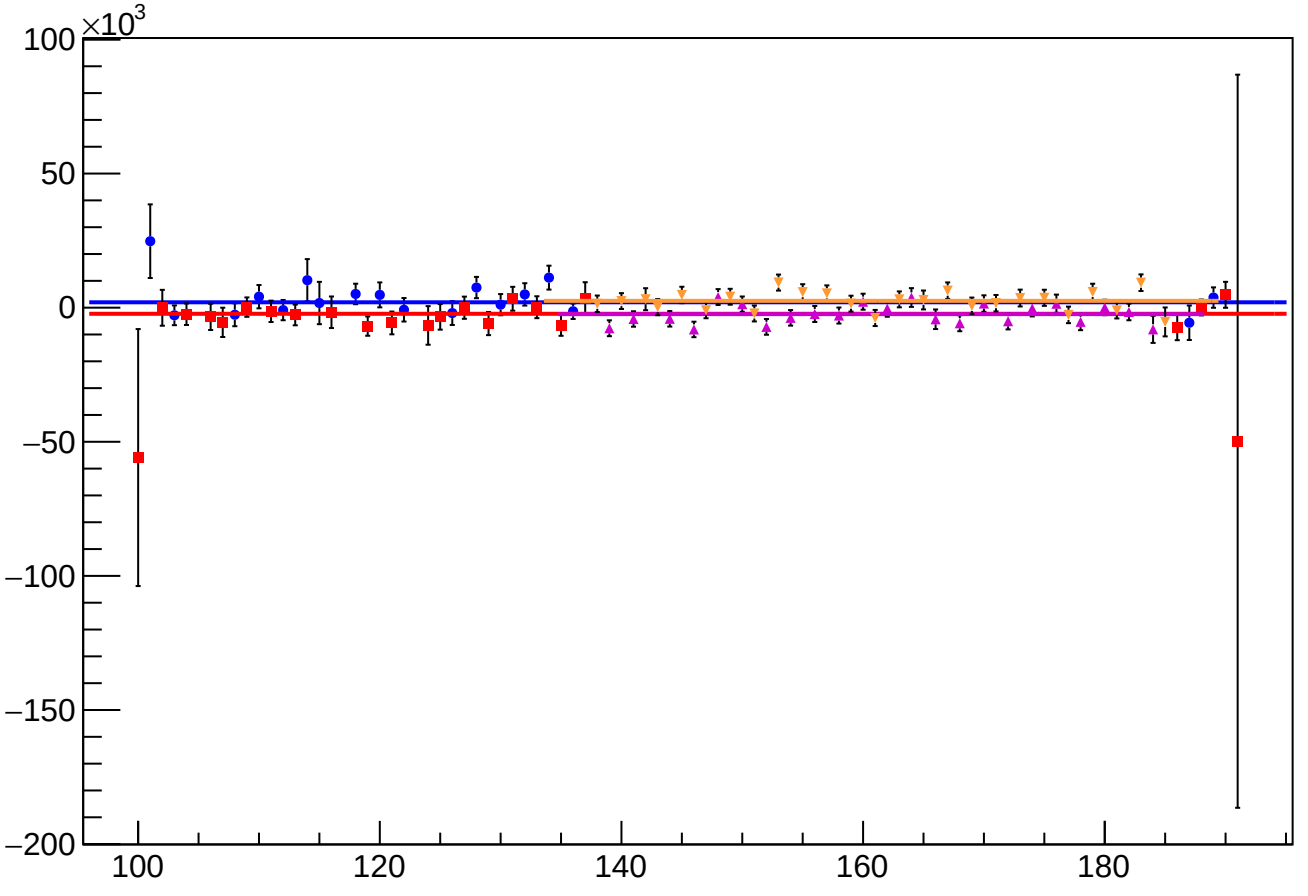
Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 713.311+/-0.101 χ^2/NDF: 4044910.1/42

All: 701.755+/-0.070 χ^2/NDF: 8546380.5/88

- sign 690.820+/-0.098 χ^2/NDF: 4475949.7/45

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: -2281.493+/-949.678 χ^2/NDF: 14.1/22

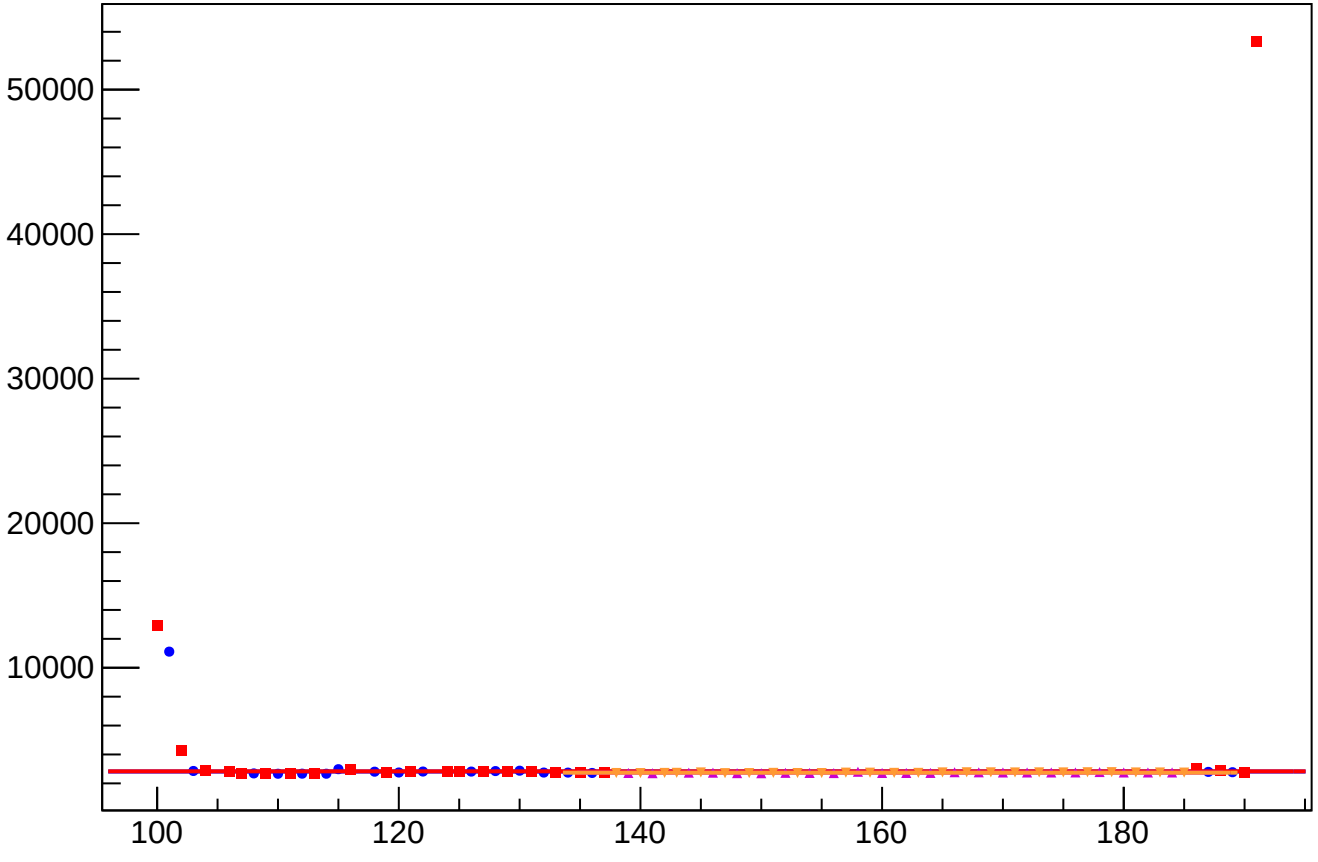
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2398.470+/-531.656 χ^2/NDF: 51.6/42

All: 11.453+/-375.627 χ^2/NDF: 137.8/88

- sign -2367.697+/-530.779 χ^2/NDF: 46.0/45

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: 2833.646+/-0.672 χ^2/NDF: 528905.6/22

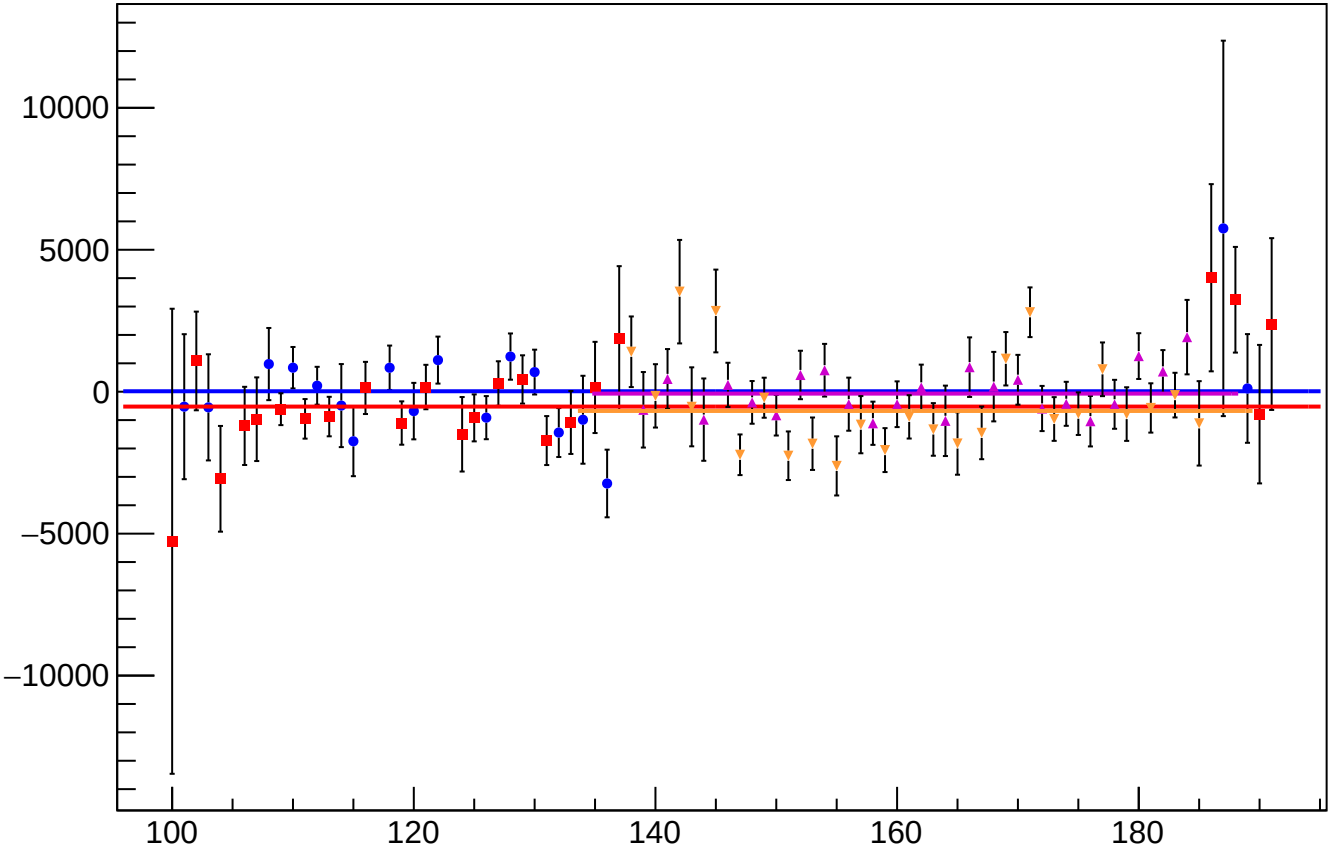
Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2760.827+/-0.376 χ^2/NDF: 755464.5/42

All: 2765.526+/-0.266 χ^2/NDF: 1301029.9/88

- sign 2770.209+/-0.375 χ^2/NDF: 545253.5/45

asym_atr1_dit_correction_mean vs Slug



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: -523.929+/-213.804 χ^2/NDF: 19.2/22

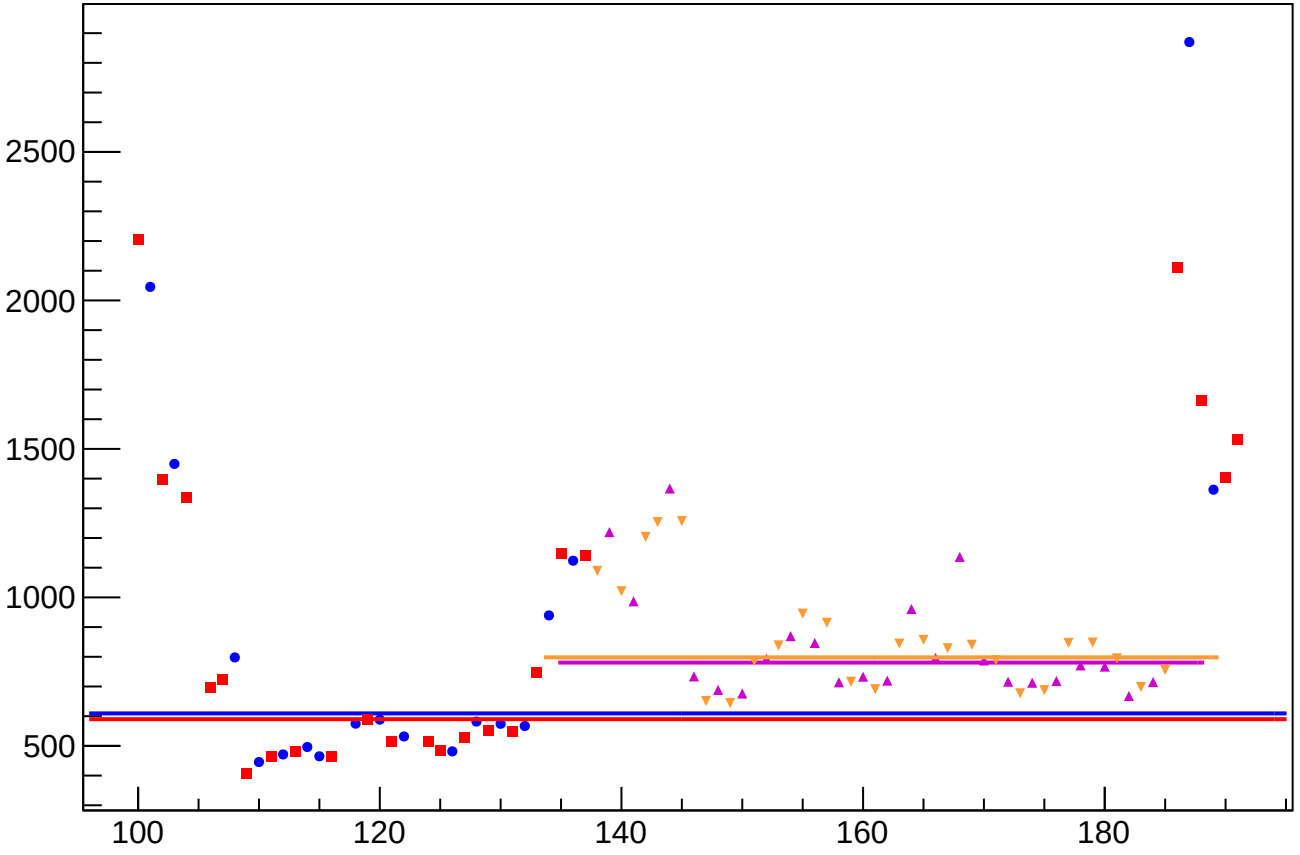
Left In: -67.156+/-185.436 χ^2/NDF:15.8/22

+ sign -413.307+/-145.482 χ^2/NDF: 85.2/42

All: -335.444+/-100.910 χ^2/NDF: 123.4/88

- sign -263.249+/-140.087 χ^2/NDF: 37.7/45

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: 589.872+/-0.151 χ^2/NDF: 3181614.0/22

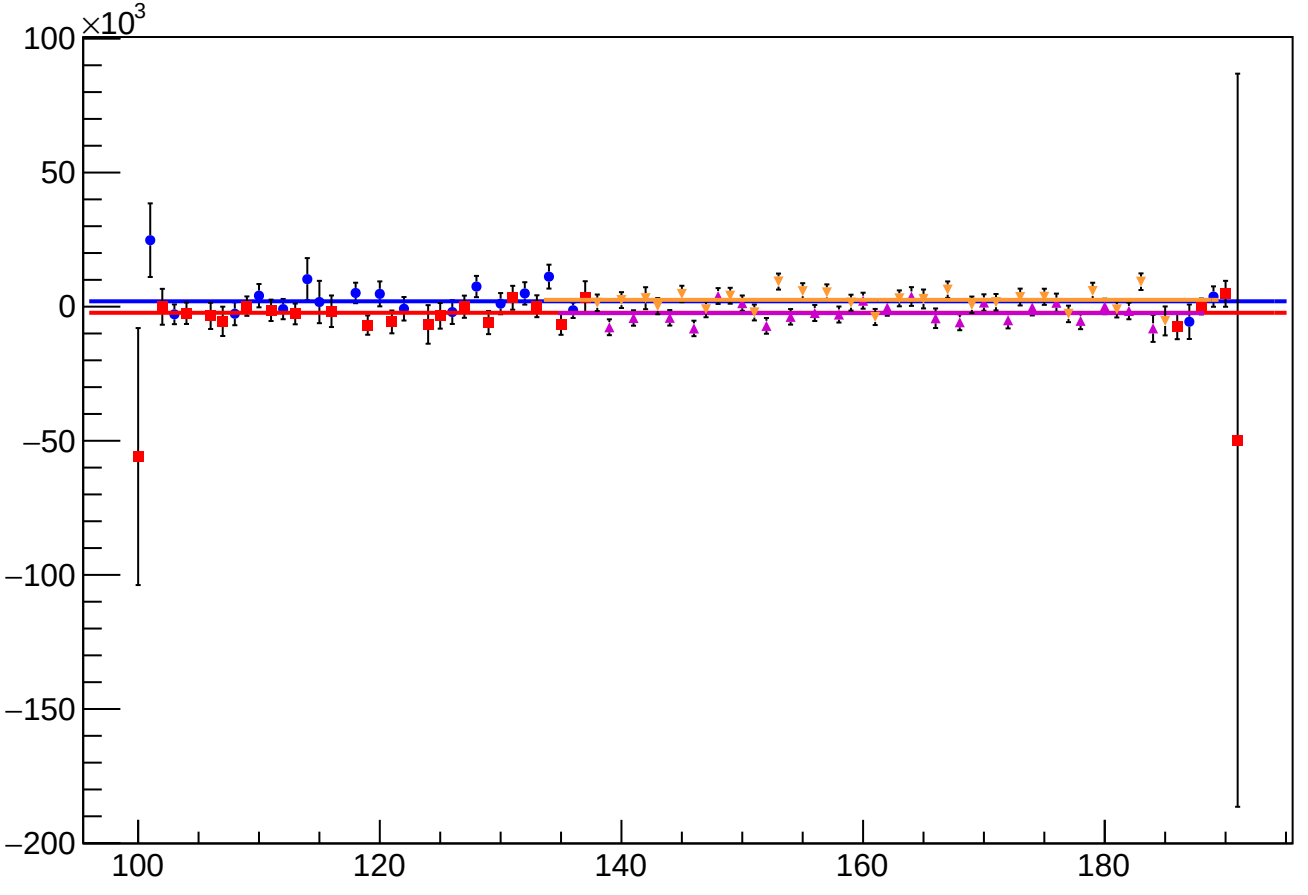
Left In: 780.525+/-0.131 χ^2/NDF:1064827.5/22

+ sign 726.068+/-0.103 χ^2/NDF: 4366183.9/42

All: 711.855+/-0.071 χ^2/NDF: 9557014.3/88

- sign 698.677+/-0.099 χ^2/NDF: 5154044.9/45

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: -2281.490+/-949.678 χ^2/NDF: 14.1/22

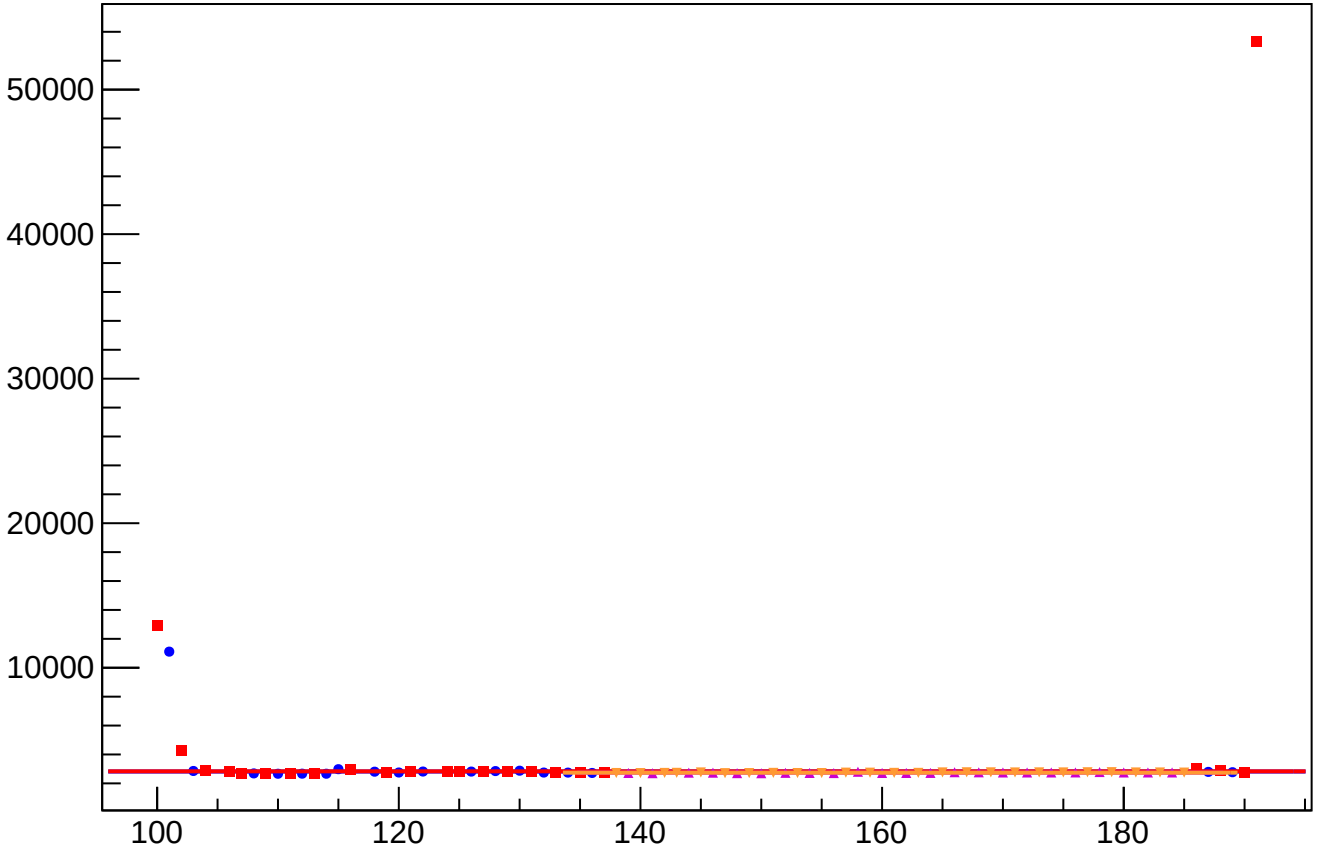
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2398.470+/-531.655 χ^2/NDF: 51.6/42

All: 11.454+/-375.627 χ^2/NDF: 137.8/88

- sign -2367.696+/-530.779 χ^2/NDF: 46.0/45

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: 2833.646+/-0.672 χ^2/NDF: 528905.4/22

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2760.827+/-0.376 χ^2/NDF: 755464.5/42

All: 2765.526+/-0.266 χ^2/NDF: 1301029.7/88

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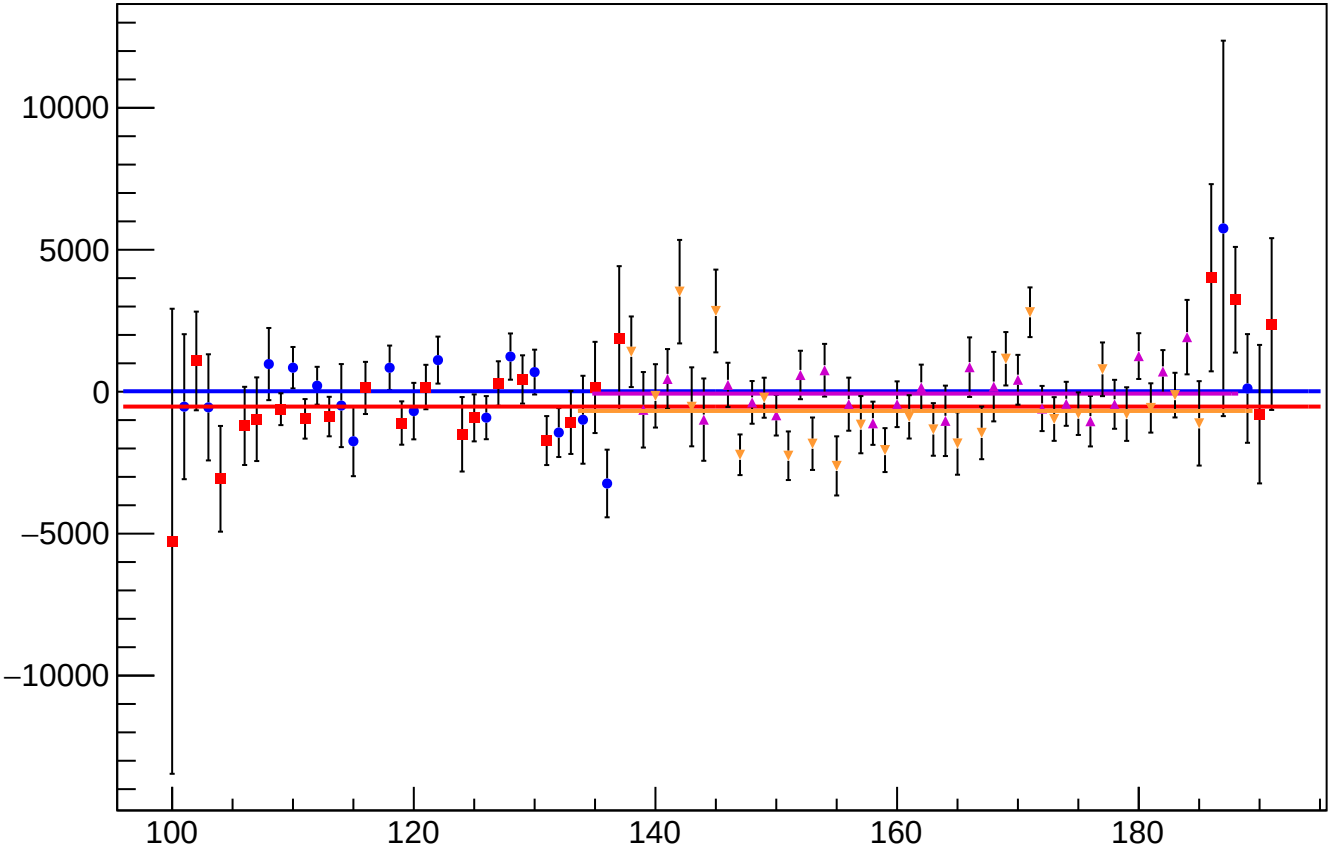
asym_atr1_eigen_dit_correction_mean vs Slug



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: -523.929+/-213.804 χ^2/NDF: 19.2/22

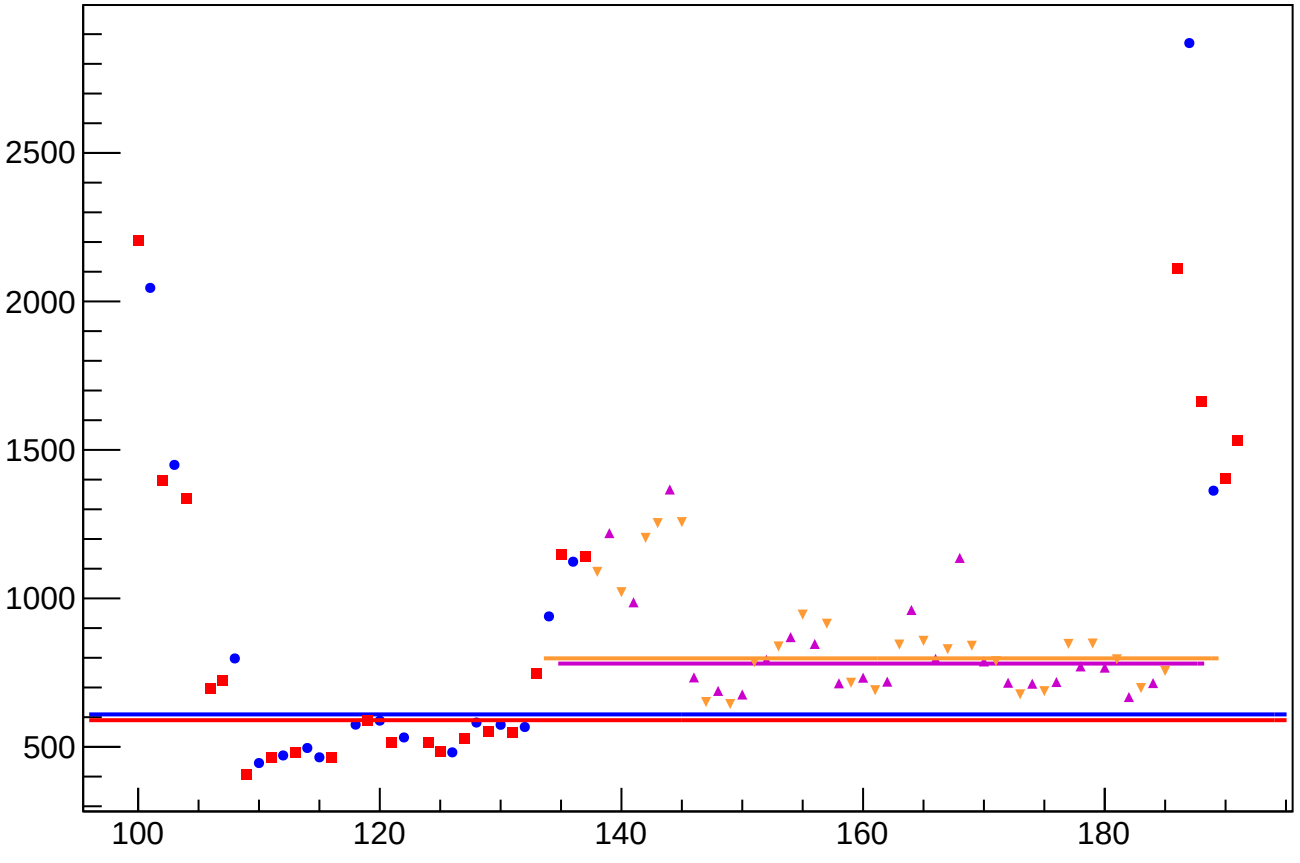
Left In: -67.157+/-185.436 χ^2/NDF:15.8/22

\+ sign -413.308+/-145.482 χ^2/NDF: 85.2/42

All: -335.444+/-100.910 χ^2/NDF: 123.4/88

\- sign -263.249+/-140.087 χ^2/NDF: 37.7/45

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: 589.872+/-0.151 χ^2/NDF: 3181612.5/22

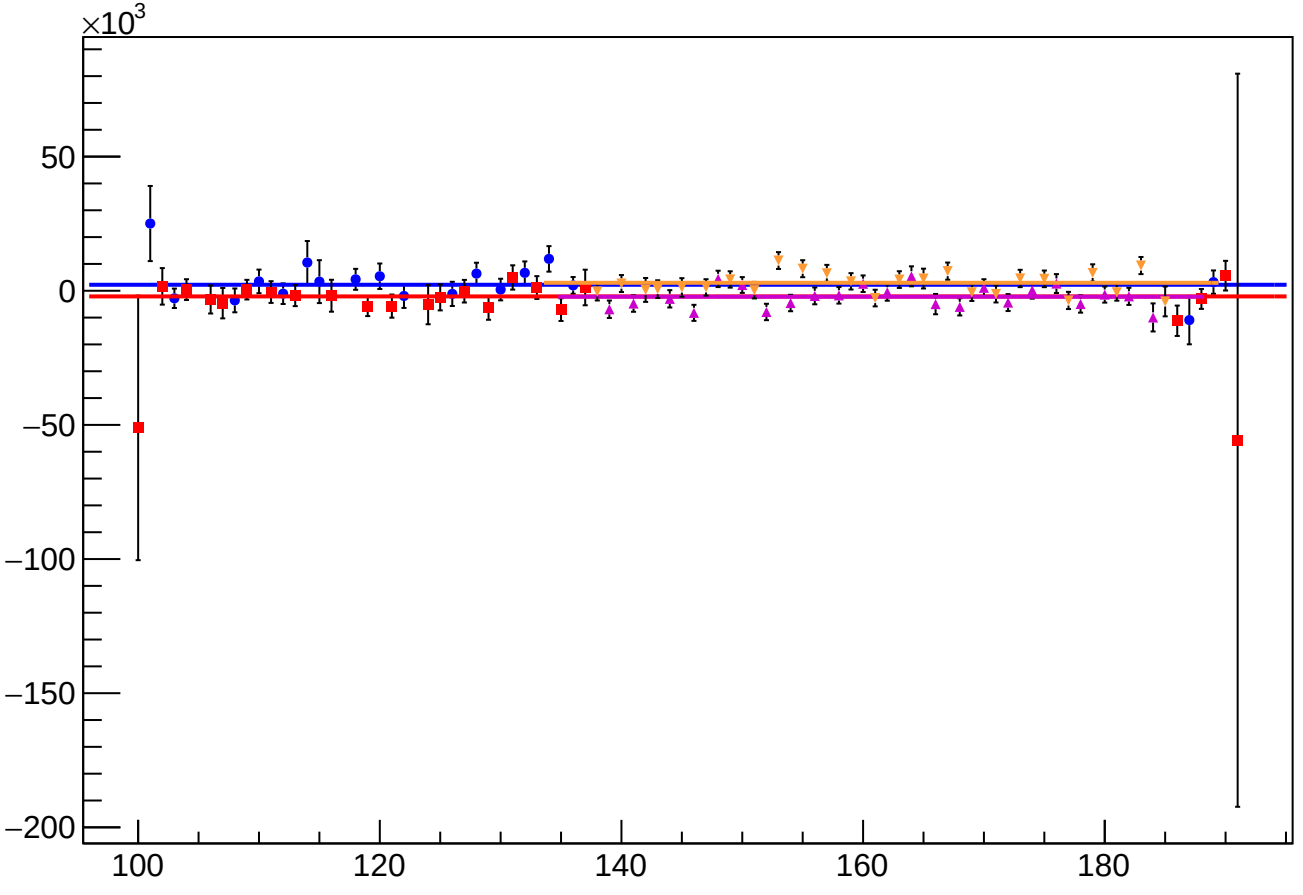
Left In: 780.525+/-0.131 χ^2/NDF:1064830.7/22

+ sign 726.068+/-0.103 χ^2/NDF: 4366176.9/42

All: 711.855+/-0.071 χ^2/NDF: 9557006.8/88

- sign 698.678+/-0.099 χ^2/NDF: 5154043.7/45

asym_atr1_mean vs Slug



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: -2105.468+/-999.107 χ^2/NDF: 15.1/22

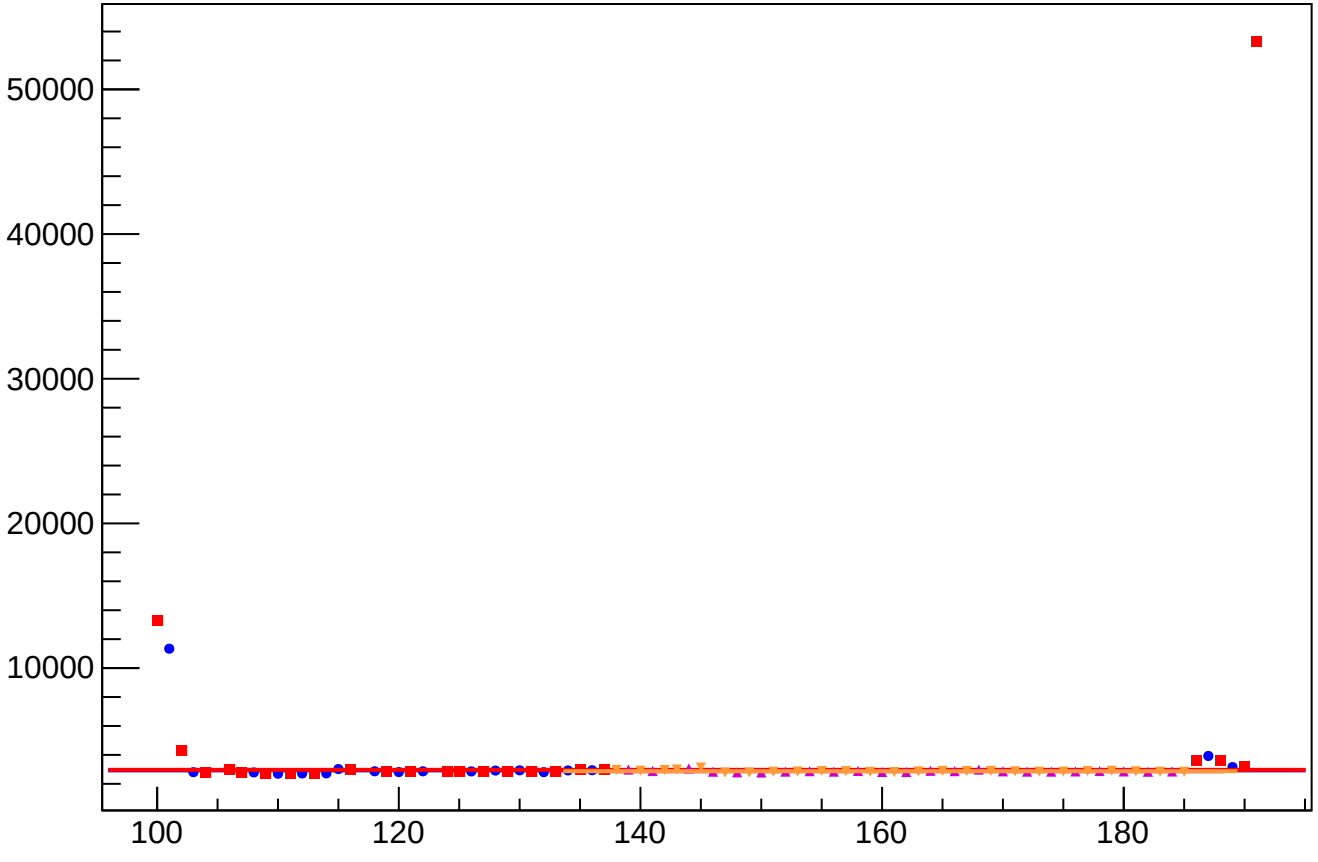
Left In: -2237.495+/-670.327 χ^2/NDF:33.8/22

+ sign 2768.052+/-556.821 χ^2/NDF: 55.1/42

All: 285.003+/-393.671 χ^2/NDF: 143.7/88

- sign -2196.512+/-556.649 χ^2/NDF: 48.9/45

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: 2967.320+/-0.706 χ^2/NDF: 614882.6/22

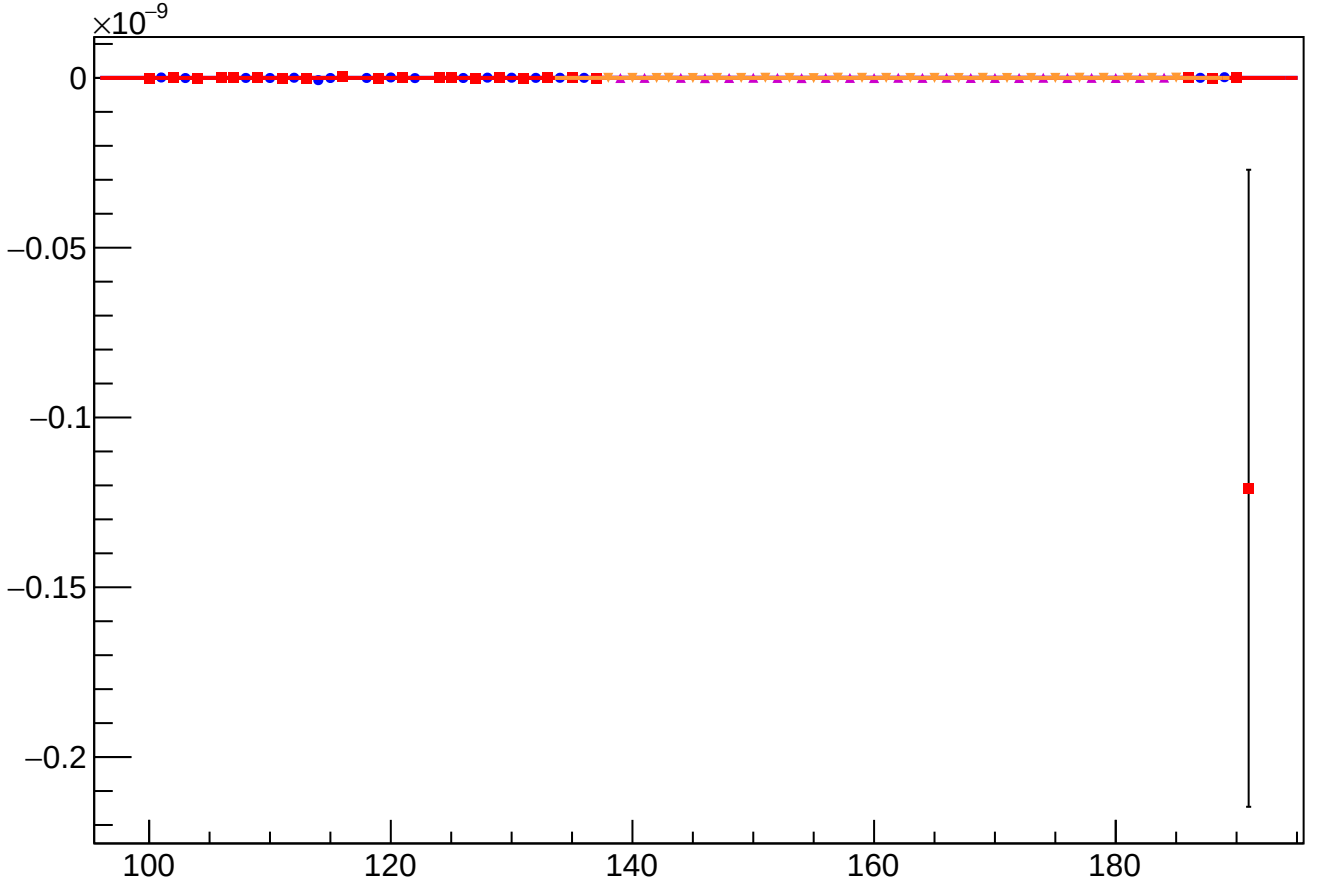
Left In: 2870.153+/-0.474 χ^2/NDF:17687.5/22

+ sign 2889.859+/-0.394 χ^2/NDF: 798698.4/42

All: 2895.089+/-0.278 χ^2/NDF: 1444666.1/88

- sign 2900.315+/-0.394 χ^2/NDF: 645615.0/45

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: 30.2/22

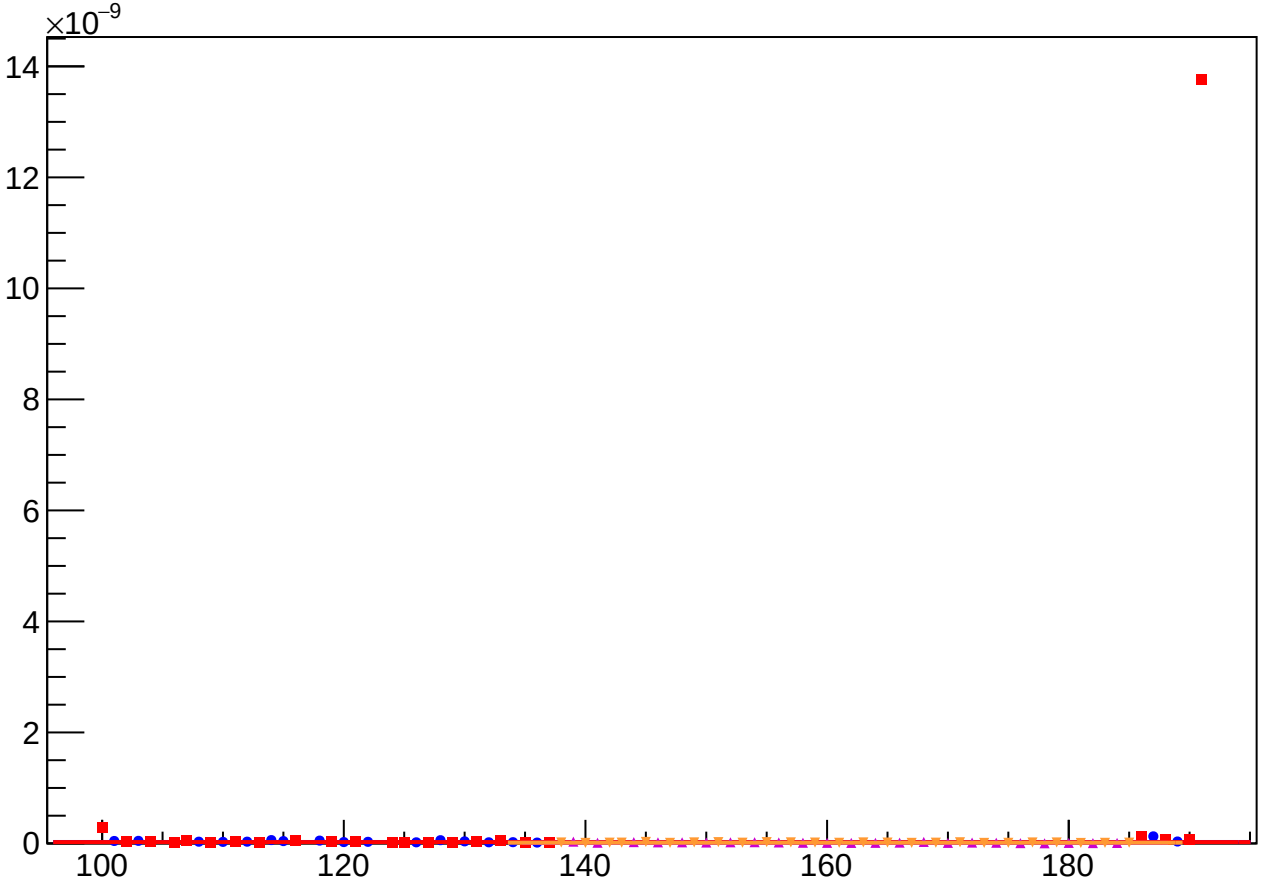
Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 29.9/42

All: 0.000+/-0.000 χ^2/NDF: 88.7/88

- sign 0.000+/-0.000 χ^2/NDF: 58.7/45

asym_atr1_reg_vs_cor_diff_rms vs Slug



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: 1365157.5/22

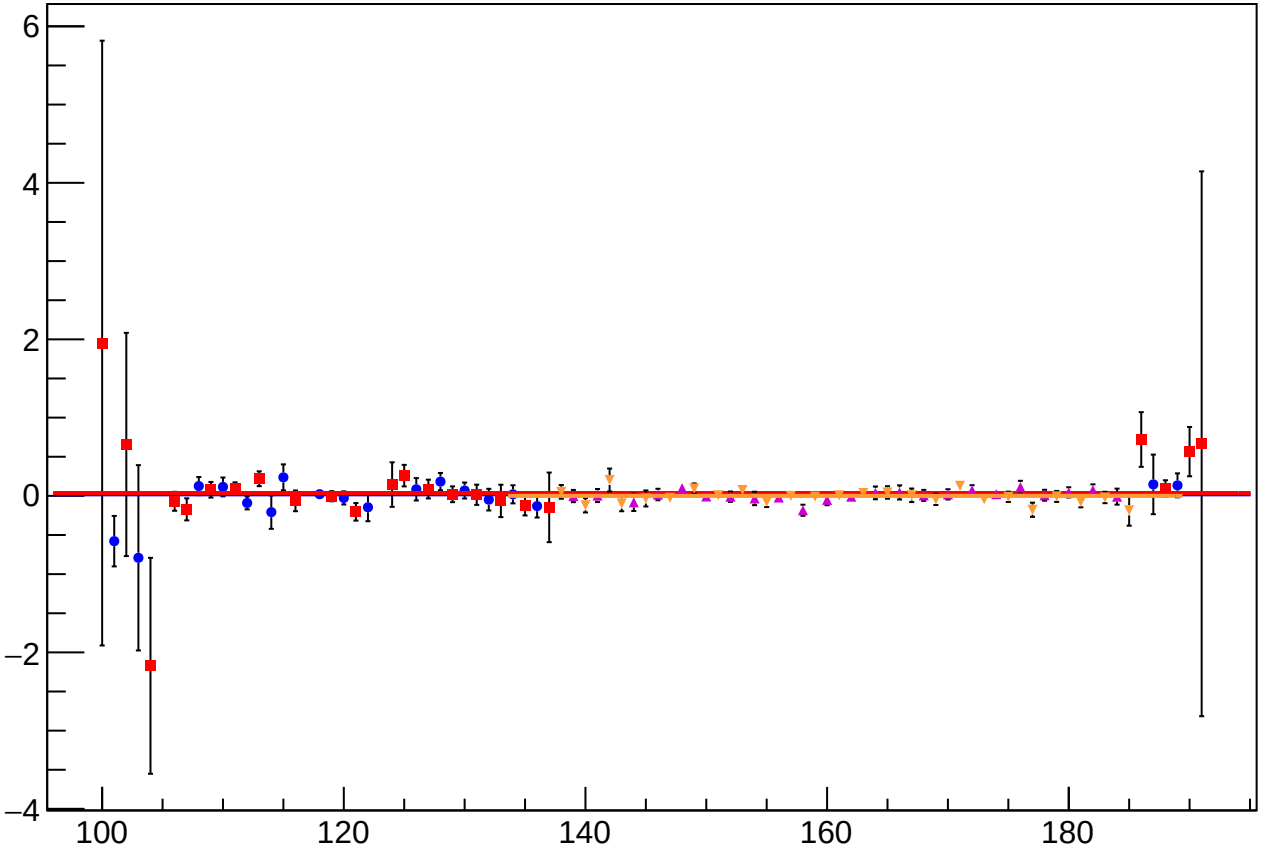
Left In: 0.000+/-0.000 χ^2/NDF:3166775.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 3291290.8/42

All: 0.000+/-0.000 χ^2/NDF: 9431070.8/88

- sign 0.000+/-0.000 χ^2/NDF: 5873656.0/45

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: 0.037+/-0.027 χ^2/NDF: 27.9/22

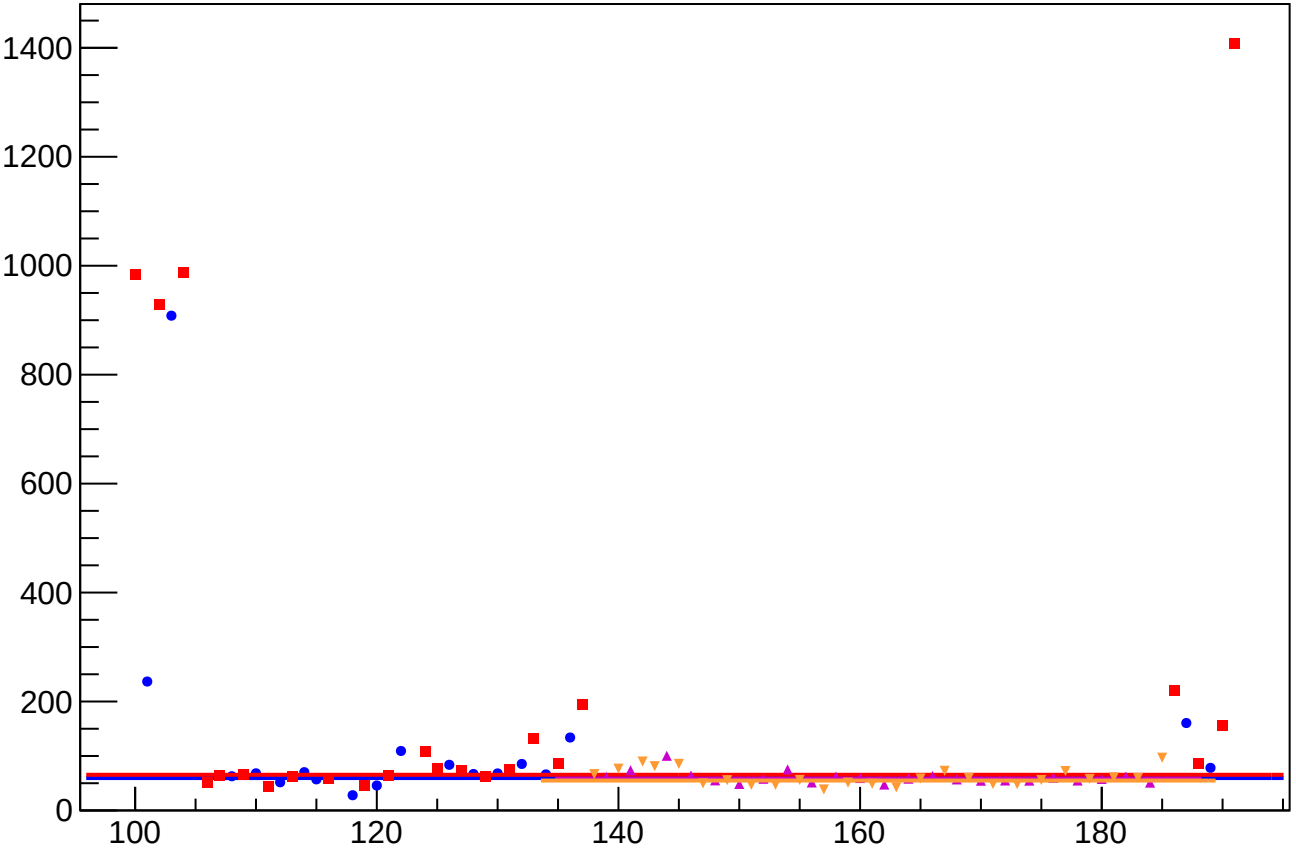
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.004+/-0.013 χ^2/NDF: 38.7/42

All: 0.009+/-0.009 χ^2/NDF: 83.4/88

- sign 0.015+/-0.013 χ^2/NDF: 44.3/45

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: 65.490+/-0.019 χ^2/NDF: 3592505.4/22

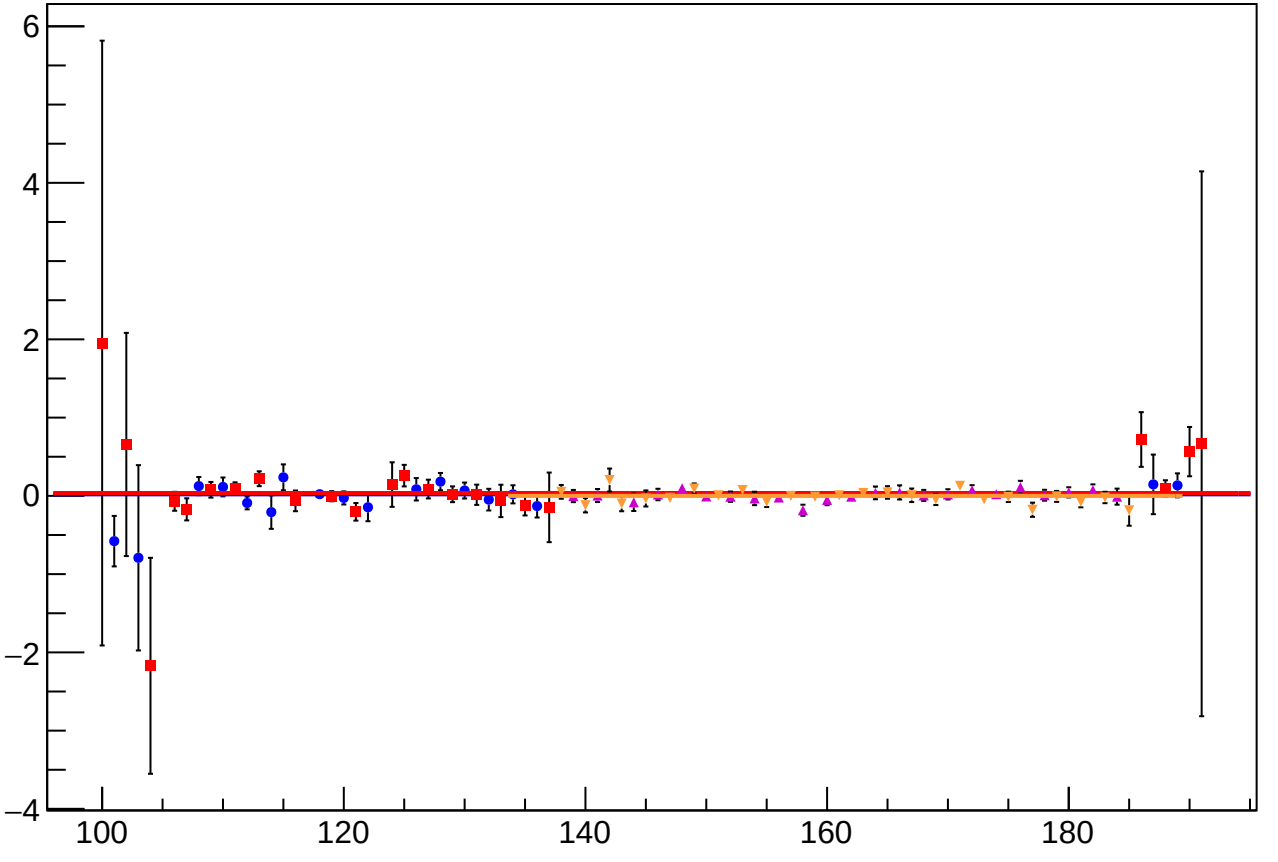
Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

+ sign 55.886+/-0.009 χ^2/NDF: 4775963.4/42

All: 57.795+/-0.006 χ^2/NDF: 9236772.5/88

- sign 59.850+/-0.009 χ^2/NDF: 4364308.4/45

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: 0.037+/-0.027 χ^2/NDF: 27.9/22

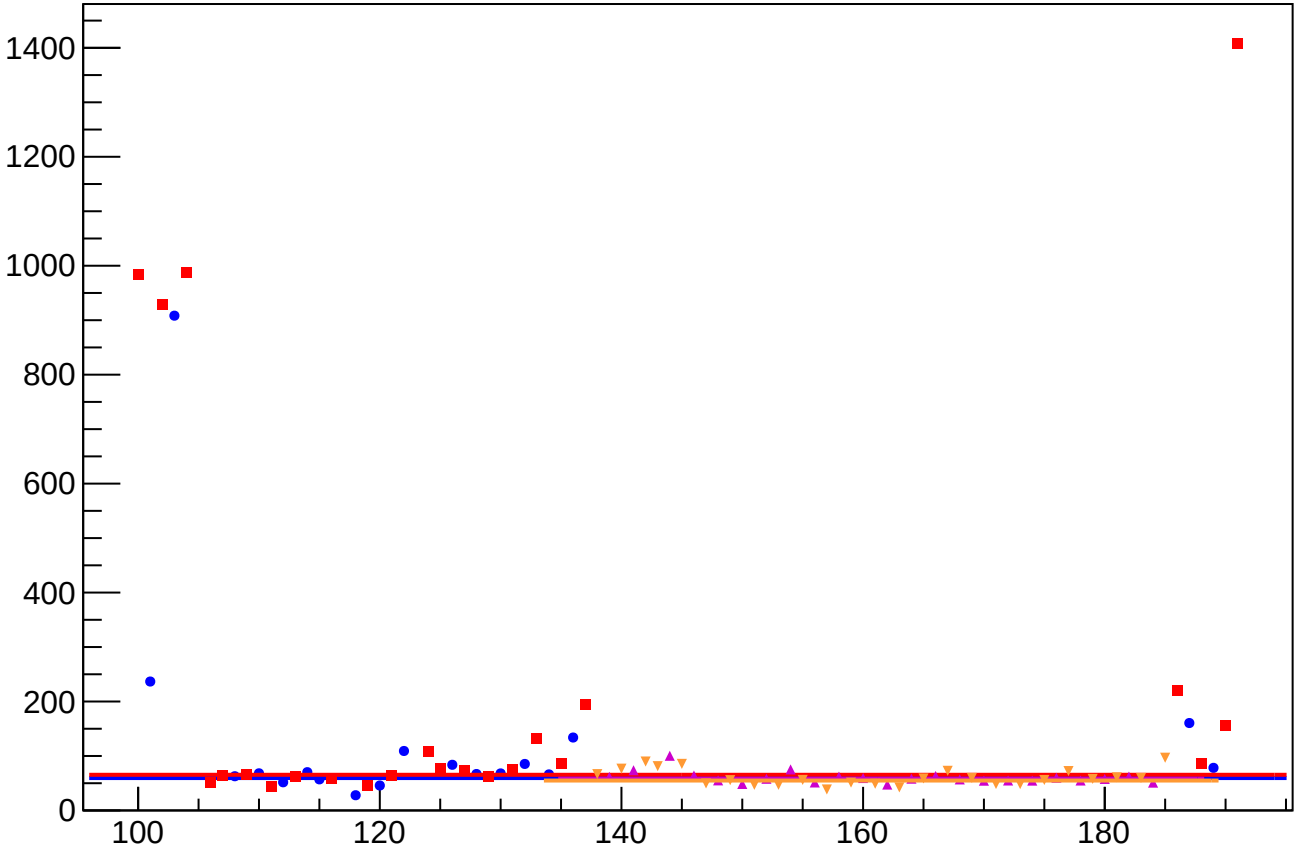
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

\+ sign 0.004+/-0.013 χ^2/NDF: 38.7/42

All: 0.009+/-0.009 χ^2/NDF: 83.4/88

\- sign 0.015+/-0.013 χ^2/NDF: 44.3/45

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: 65.490+/-0.019 χ^2/NDF: 3592505.4/22

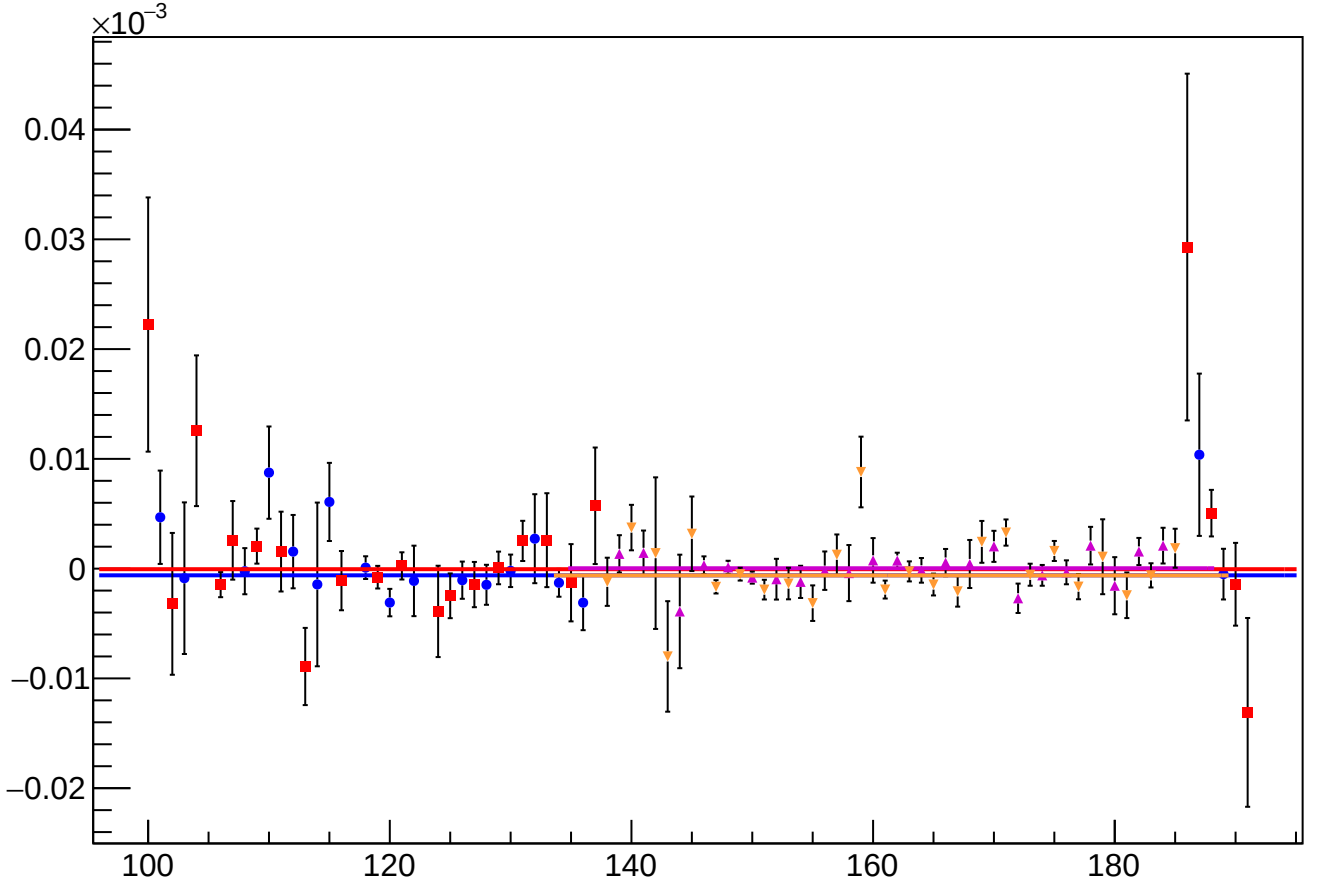
Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

+ sign 55.886+/-0.009 χ^2/NDF: 4775963.4/42

All: 57.795+/-0.006 χ^2/NDF: 9236772.5/88

- sign 59.850+/-0.009 χ^2/NDF: 4364308.4/45

asym_atr1_eigen_dit_vs_dit_diff_mean vs Slug



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: 36.4/22

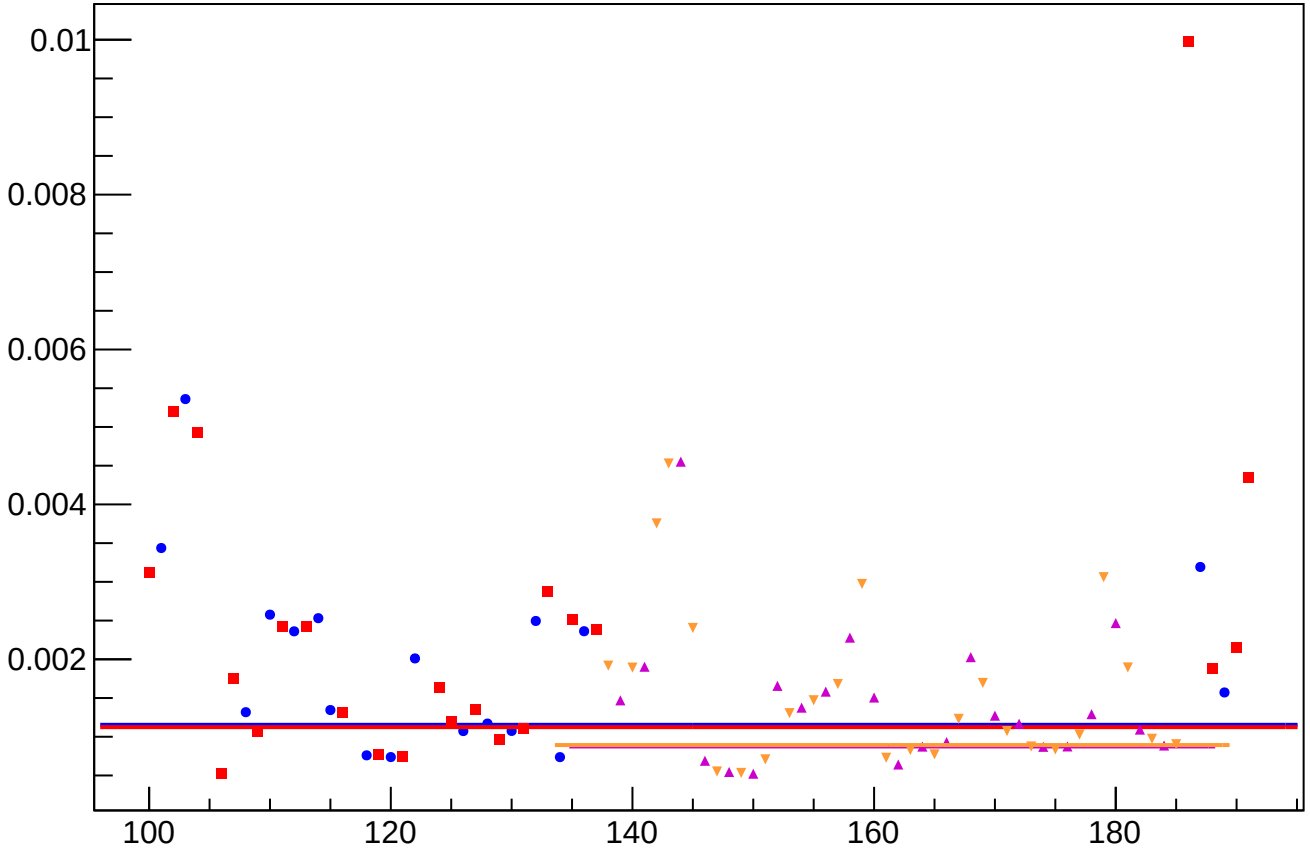
Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 72.2/42

All: -0.000+/-0.000 χ^2/NDF: 131.4/88

- sign 0.000+/-0.000 χ^2/NDF: 54.7/45

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: 5205595.5/22

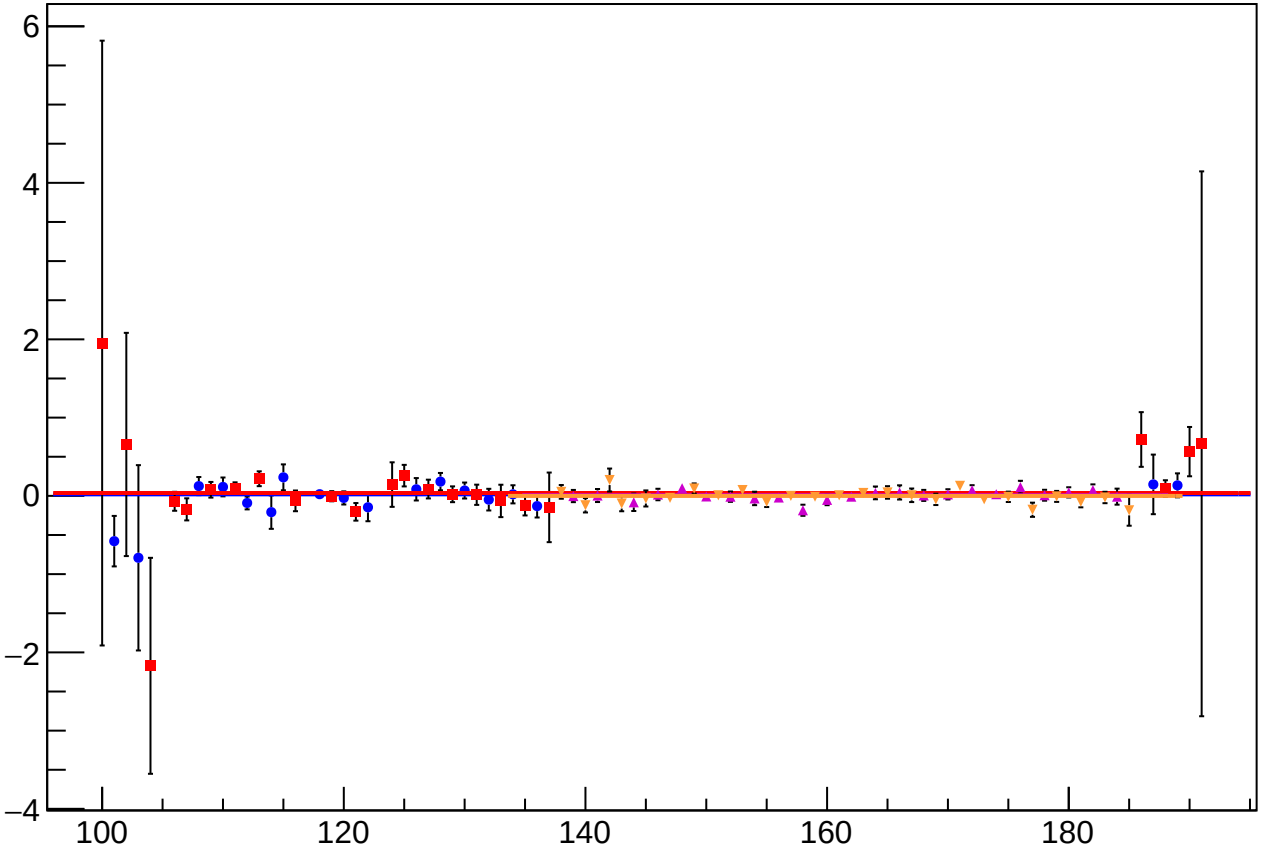
Left In: 0.001+/-0.000 χ^2/NDF:6963716.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 11898138.1/42

All: 0.001+/-0.000 χ^2/NDF: 24554171.8/88

- sign 0.001+/-0.000 χ^2/NDF: 12651317.2/45

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: 0.037+/-0.027 χ^2/NDF: 27.9/22

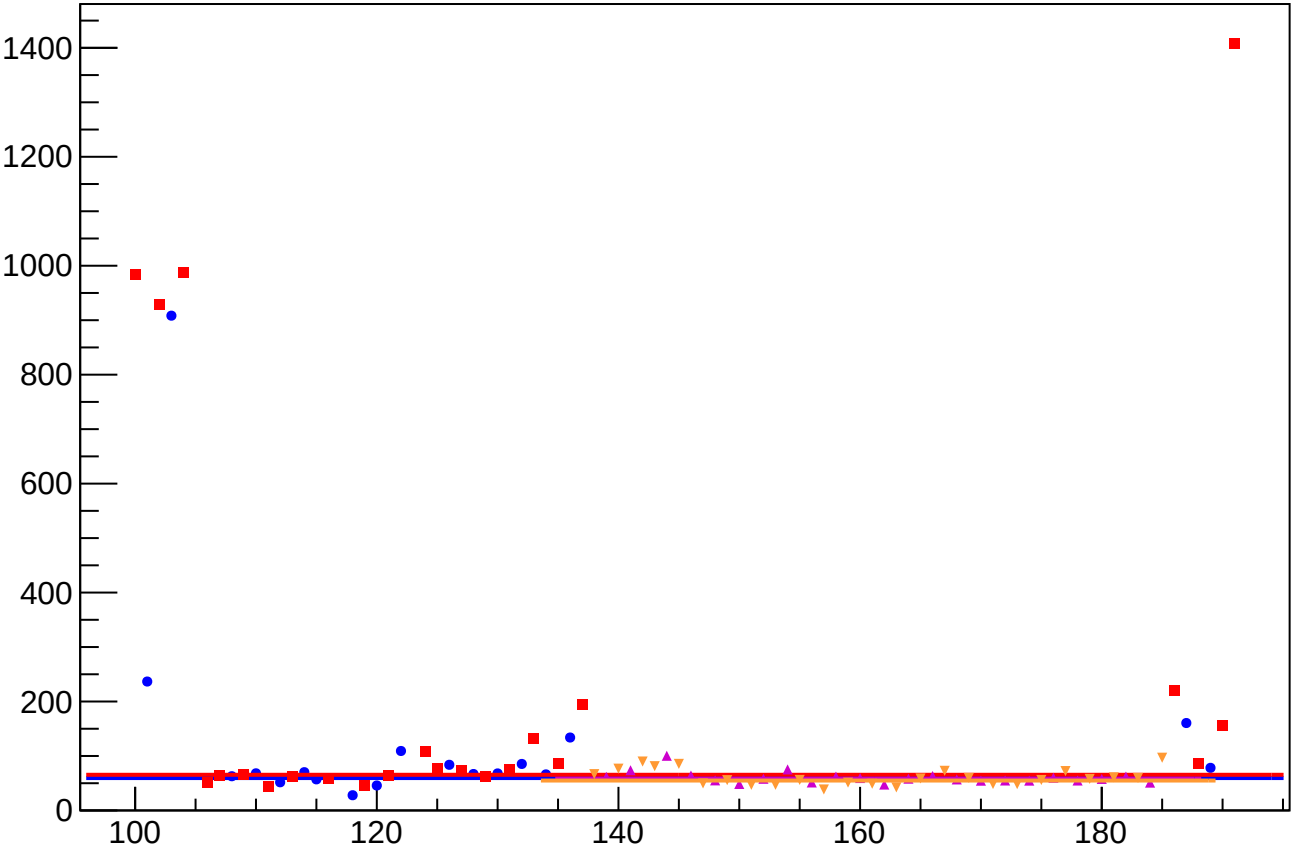
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.004+/-0.013 χ^2/NDF: 38.7/42

All: 0.009+/-0.009 χ^2/NDF: 83.4/88

- sign 0.015+/-0.013 χ^2/NDF: 44.3/45

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: 65.489+/-0.019 χ^2/NDF: 3592509.4/22

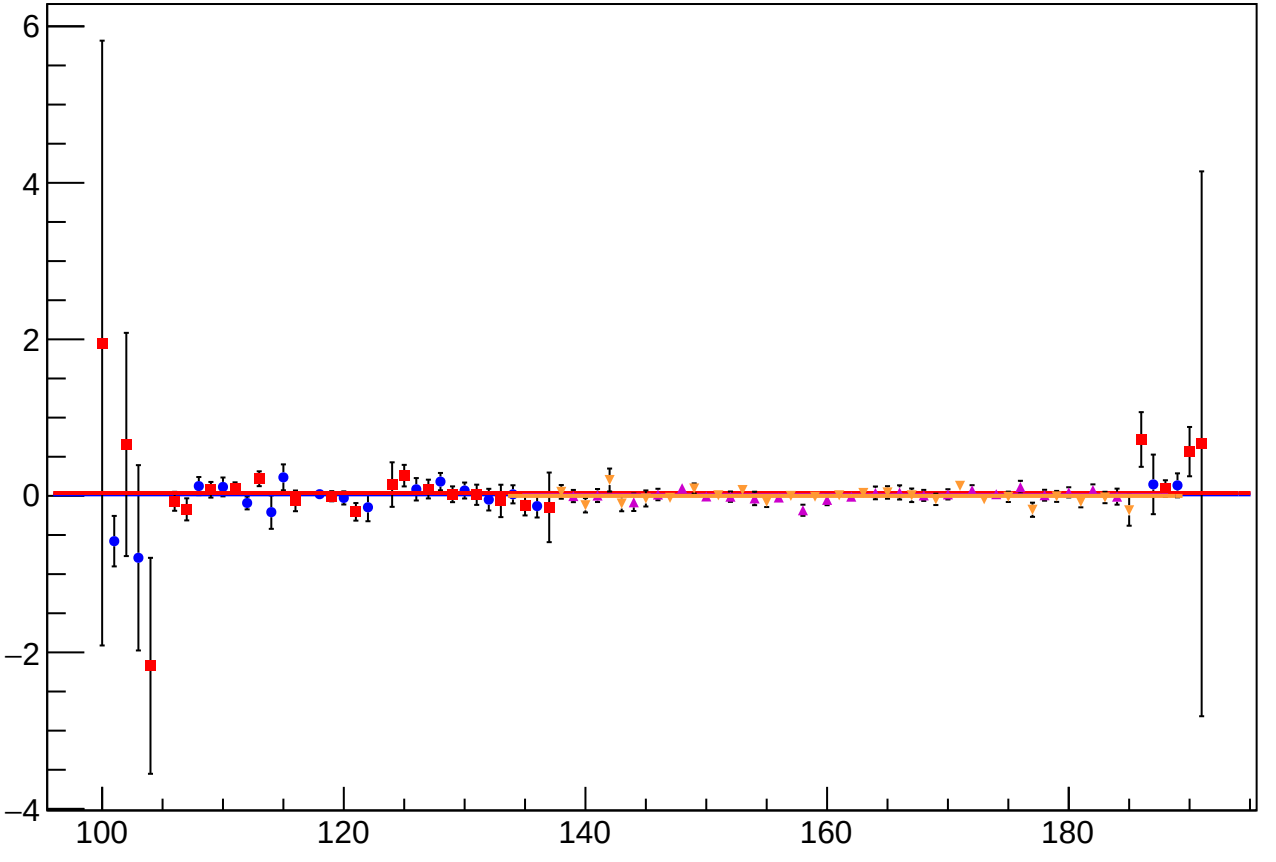
Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

+ sign 55.885+/-0.009 χ^2/NDF: 4776118.1/42

All: 57.795+/-0.006 χ^2/NDF: 9236970.3/88

- sign 59.850+/-0.009 χ^2/NDF: 4364327.4/45

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: 0.037+/-0.027 χ^2/NDF: 27.9/22

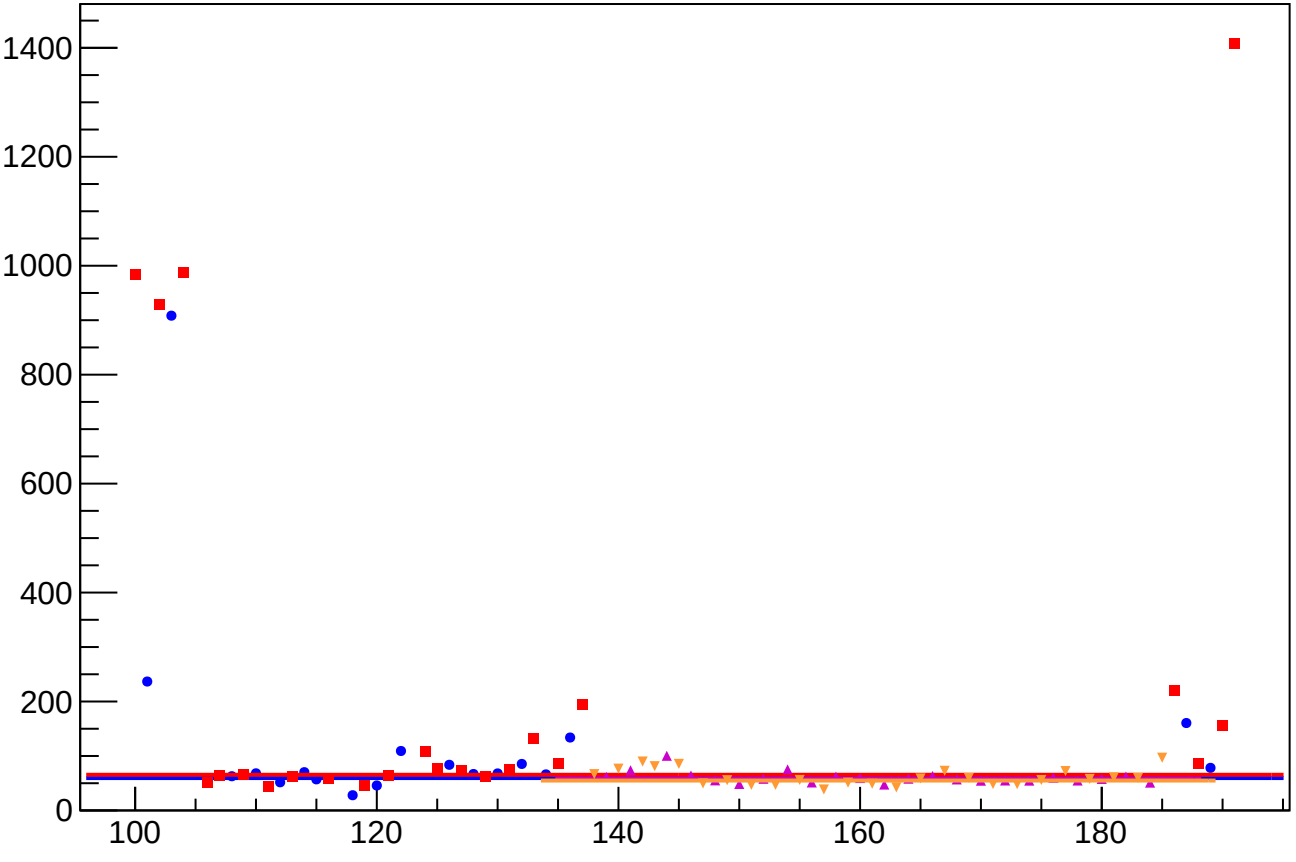
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.004+/-0.013 χ^2/NDF: 38.7/42

All: 0.009+/-0.009 χ^2/NDF: 83.4/88

- sign 0.015+/-0.013 χ^2/NDF: 44.3/45

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: 65.489+/-0.019 χ^2/NDF: 3592509.4/22

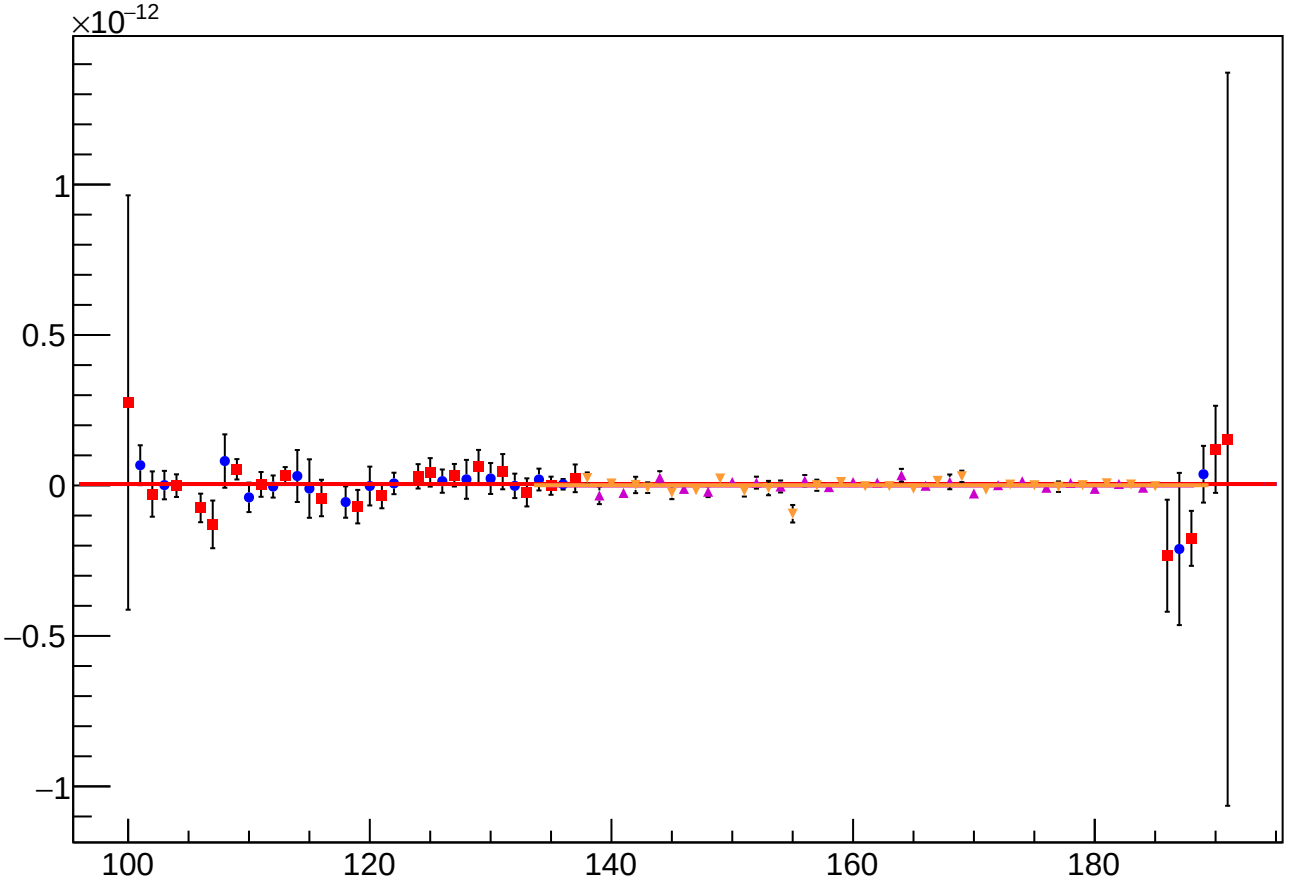
Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

+ sign 55.885+/-0.009 χ^2/NDF: 4776118.1/42

All: 57.795+/-0.006 χ^2/NDF: 9236970.3/88

- sign 59.850+/-0.009 χ^2/NDF: 4364327.4/45

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: 22.4/22

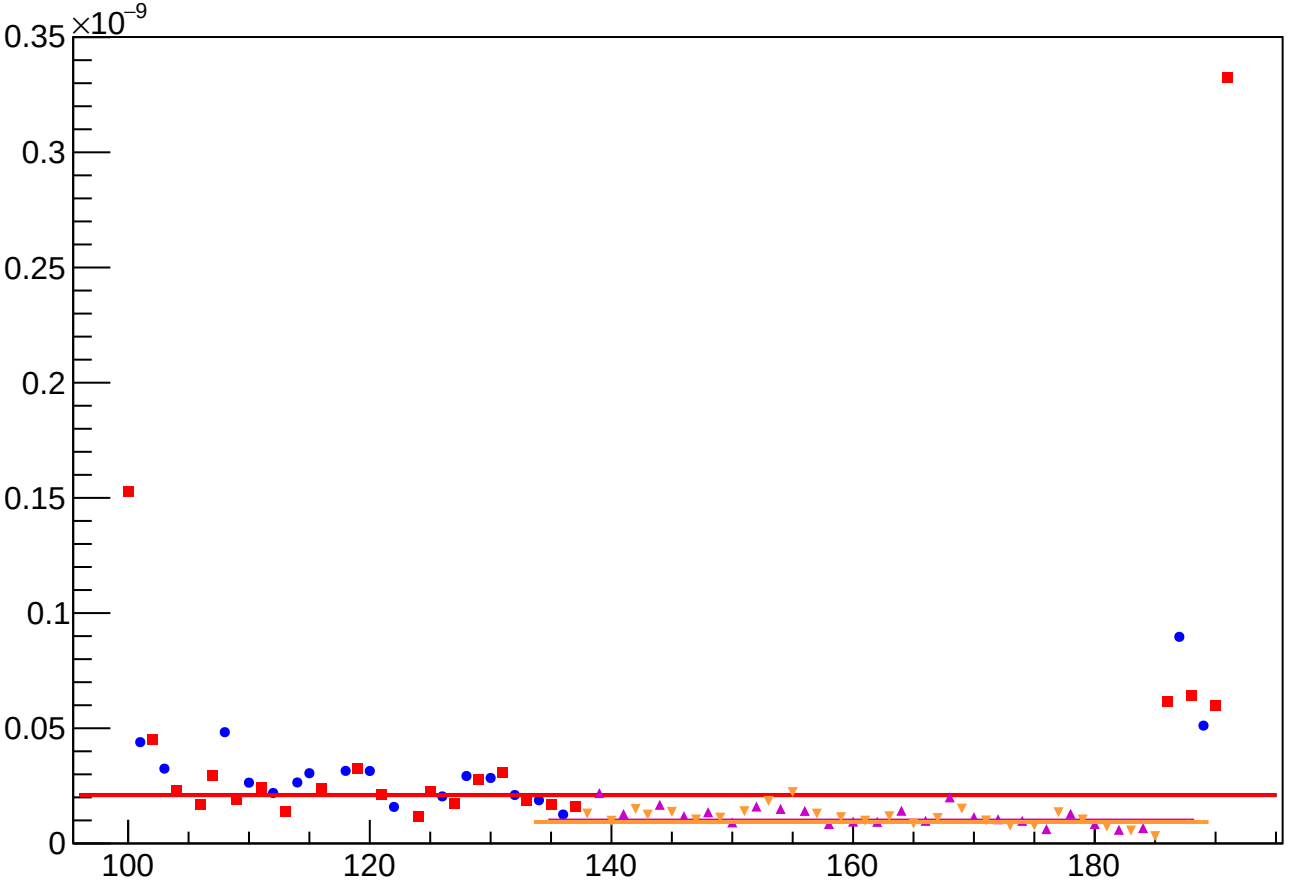
Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 30.7/42

All: 0.000+/-0.000 χ^2/NDF: 73.6/88

- sign 0.000+/-0.000 χ^2/NDF: 42.8/45

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: 1649151.9/22

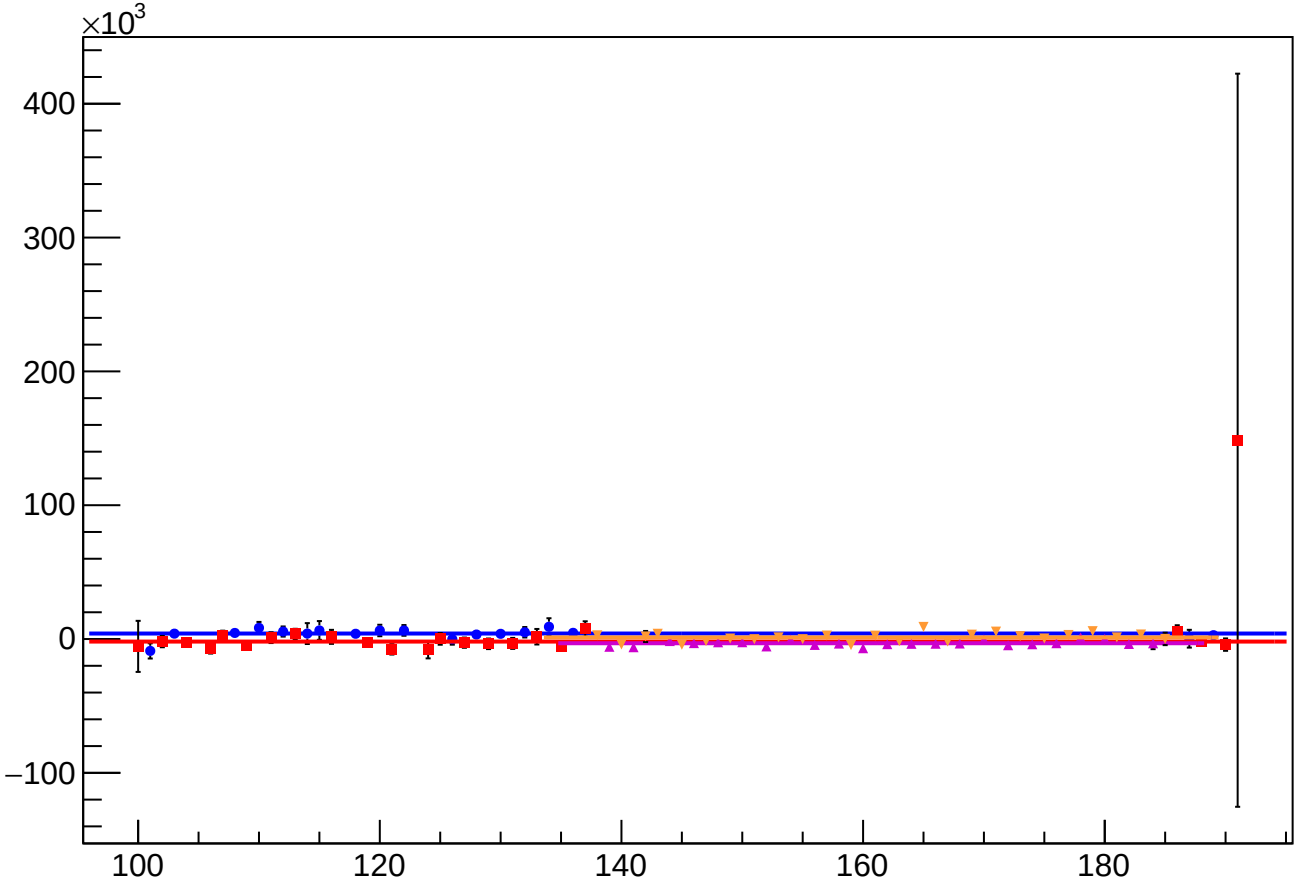
Left In: 0.000+/-0.000 χ^2/NDF:2573277.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 7215273.1/42

All: 0.000+/-0.000 χ^2/NDF: 13730557.0/88

- sign 0.000+/-0.000 χ^2/NDF: 6451734.1/45

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: -1901.313+/-849.153 χ^2/NDF: 18.5/22

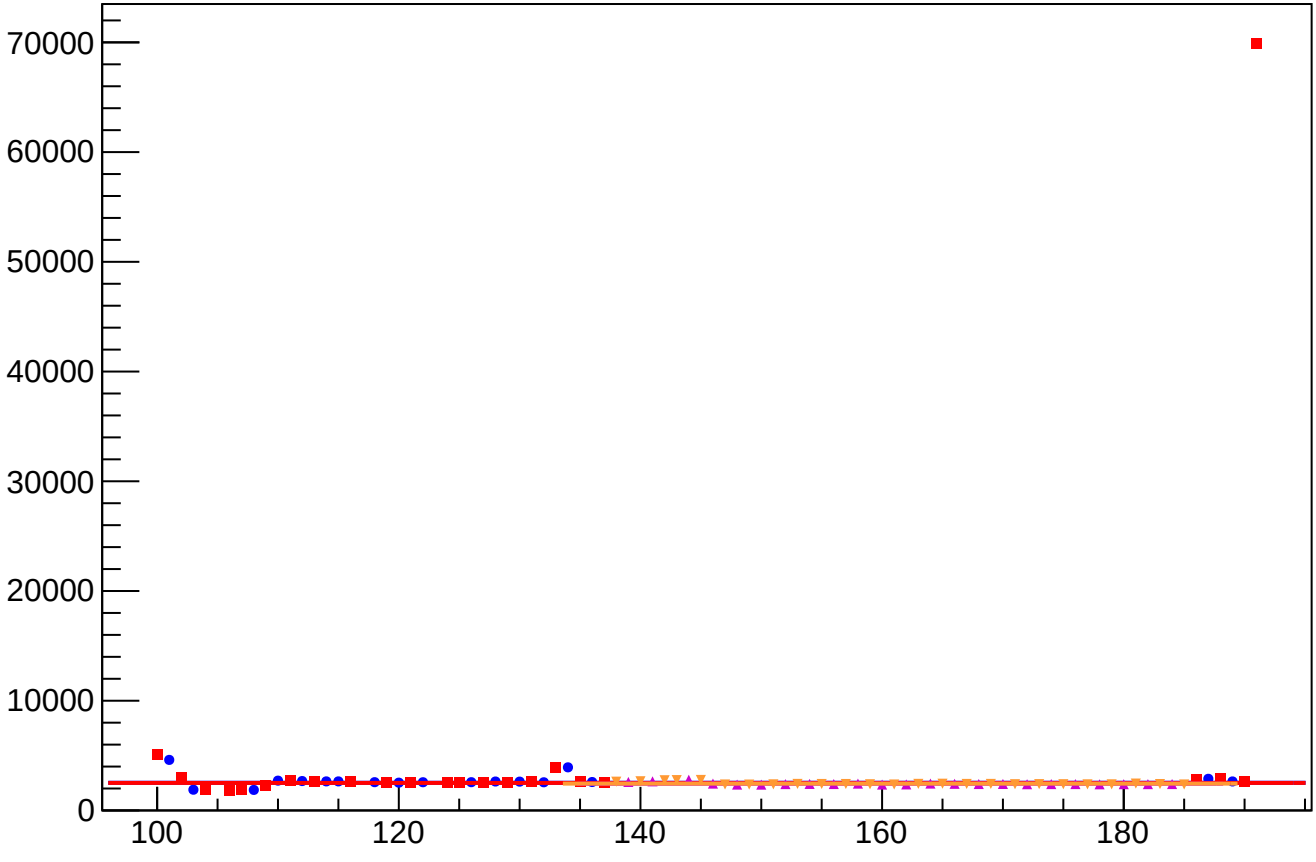
Left In: -3147.419+/-569.221 χ^2/NDF:12.7/22

+ sign 1980.740+/-474.897 χ^2/NDF: 48.0/42

All: -400.573+/-335.065 χ^2/NDF: 130.7/88

- sign -2761.079+/-472.818 χ^2/NDF: 32.7/45

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: 2509.300+/-0.600 χ^2/NDF: 639659.0/22

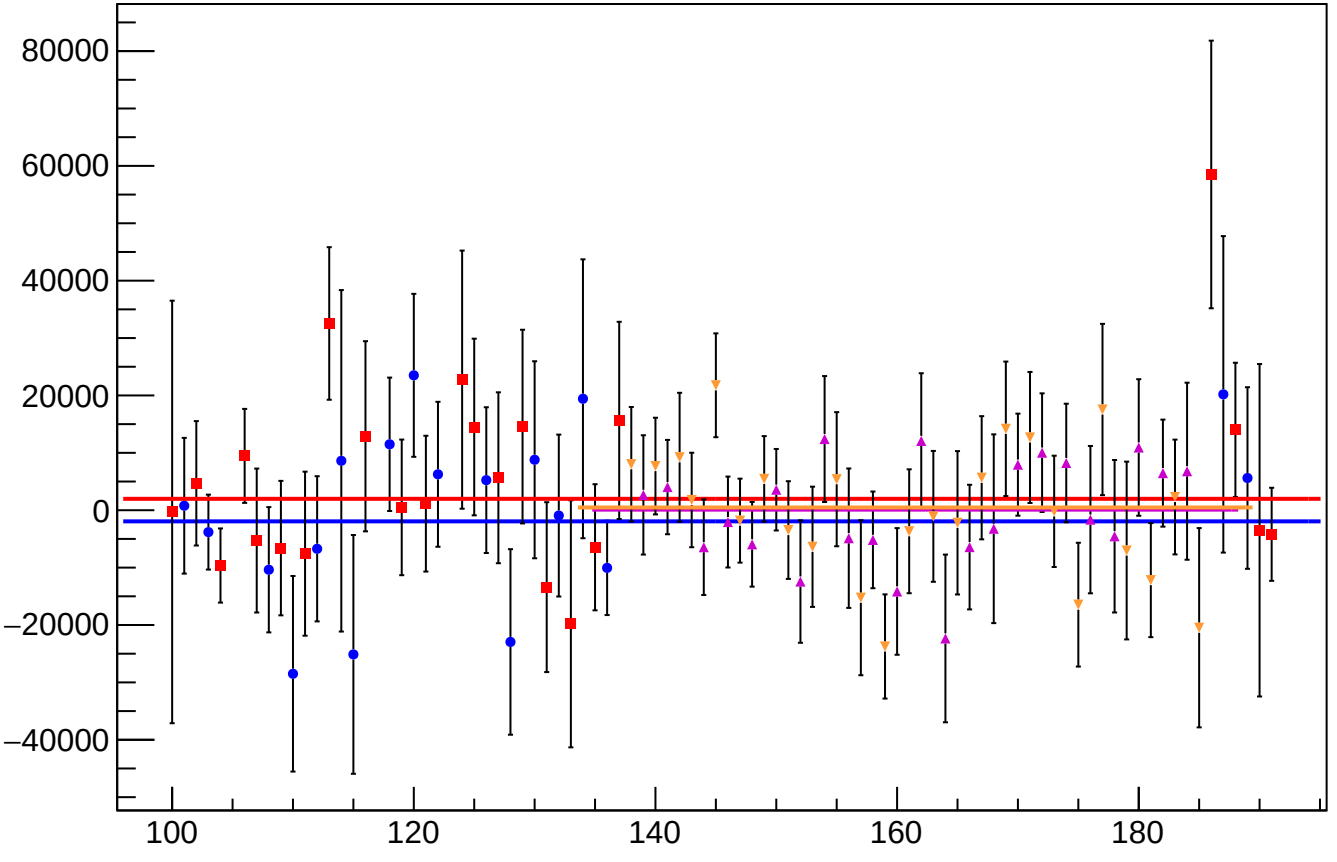
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2467.043+/-0.336 χ^2/NDF: 720938.3/42

All: 2462.849+/-0.237 χ^2/NDF: 1430394.2/88

- sign 2458.691+/-0.334 χ^2/NDF: 709145.2/45

asym_atr2_reg_correction_mean vs Slug



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: 1987.236+/-2595.493 χ^2/NDF: 24.2/22

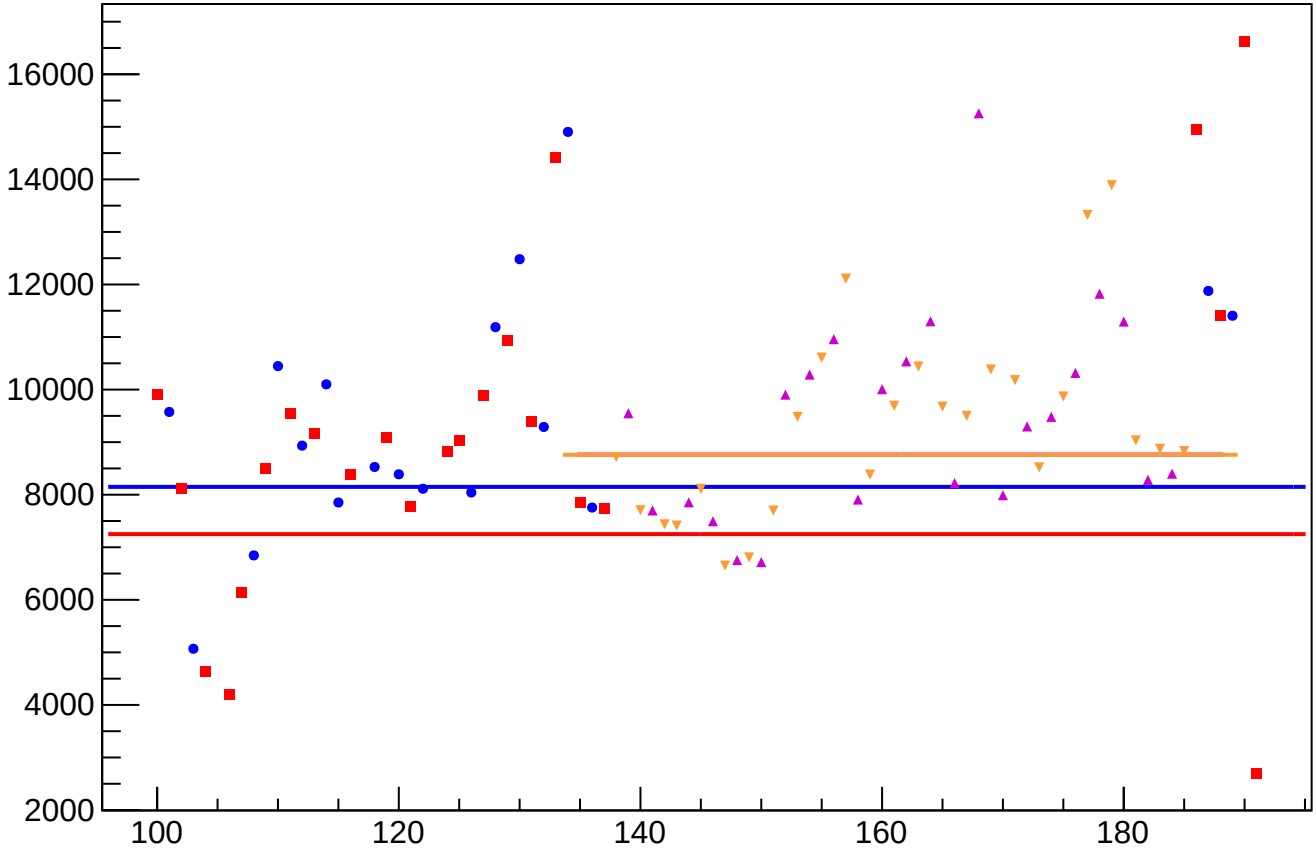
Left In: 104.954+/-2090.899 χ^2/NDF:14.5/22

+ sign -284.581+/-1684.846 χ^2/NDF: 42.5/42

All: 299.880+/-1170.851 χ^2/NDF: 81.7/88

- sign 845.748+/-1628.269 χ^2/NDF: 39.0/45

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: 7250.098+/-1.835 χ^2/NDF: 2599707.4/22

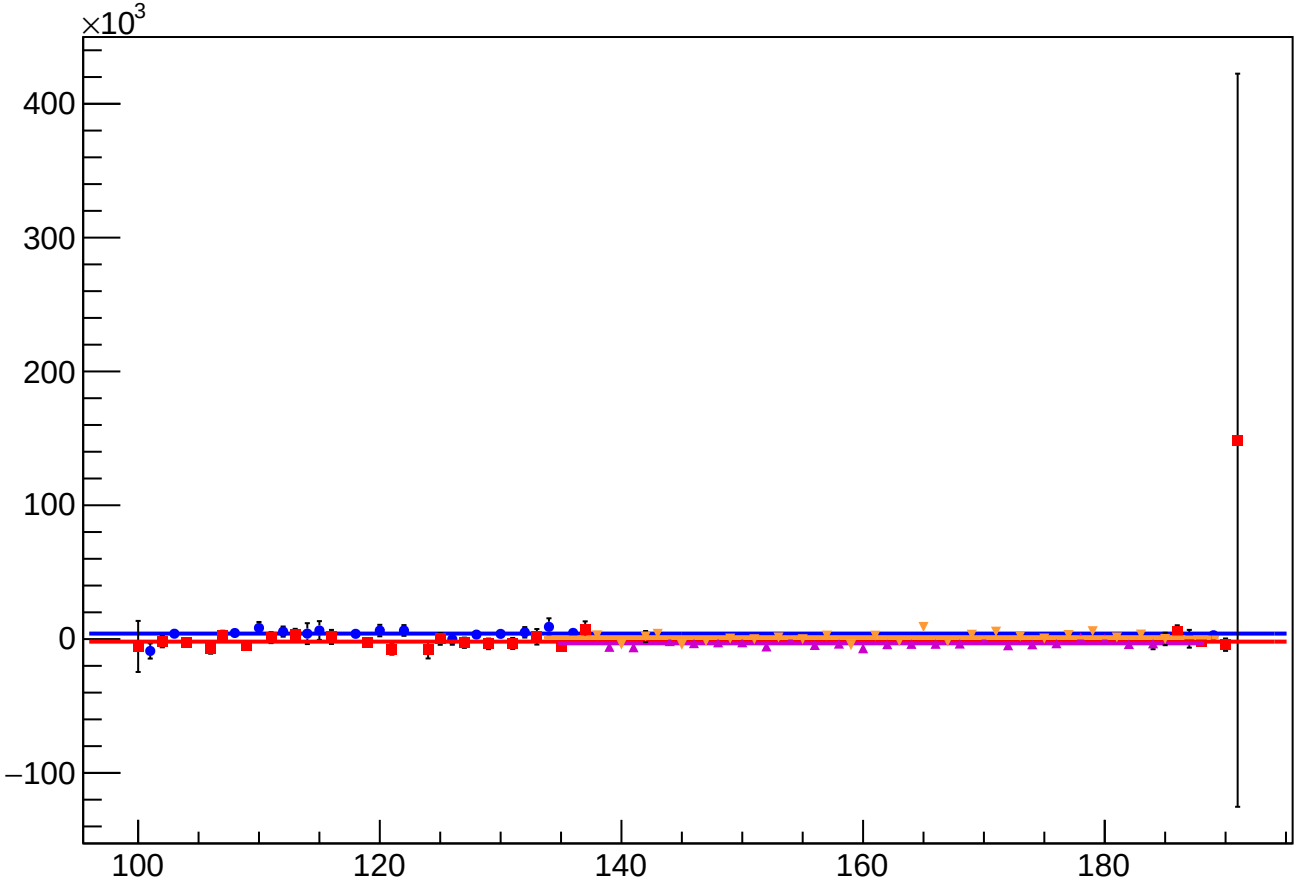
Left In: 8764.138+/-1.478 χ^2/NDF:1291698.9/22

+ sign 8567.162+/-1.191 χ^2/NDF: 2329411.4/42

All: 8360.905+/-0.828 χ^2/NDF: 6691501.6/88

- sign 8168.268+/-1.151 χ^2/NDF: 4304123.8/45

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: -1901.828+/-849.159 χ^2/NDF: 18.6/22

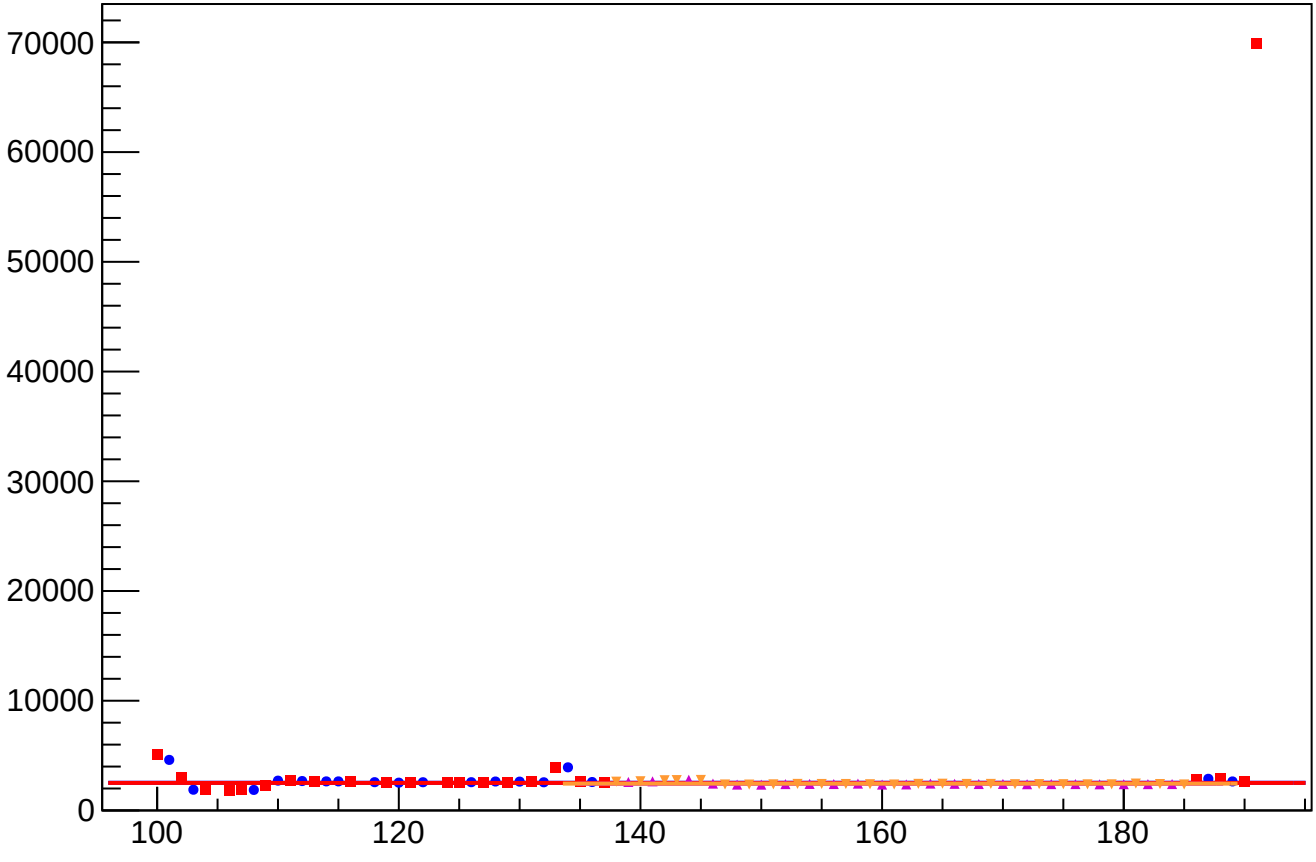
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 1980.504+/-474.897 χ^2/NDF: 48.0/42

All: -400.700+/-335.066 χ^2/NDF: 130.8/88

- sign -2761.106+/-472.819 χ^2/NDF: 32.7/45

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: 2509.321+/-0.600 χ^2/NDF: 639597.6/22

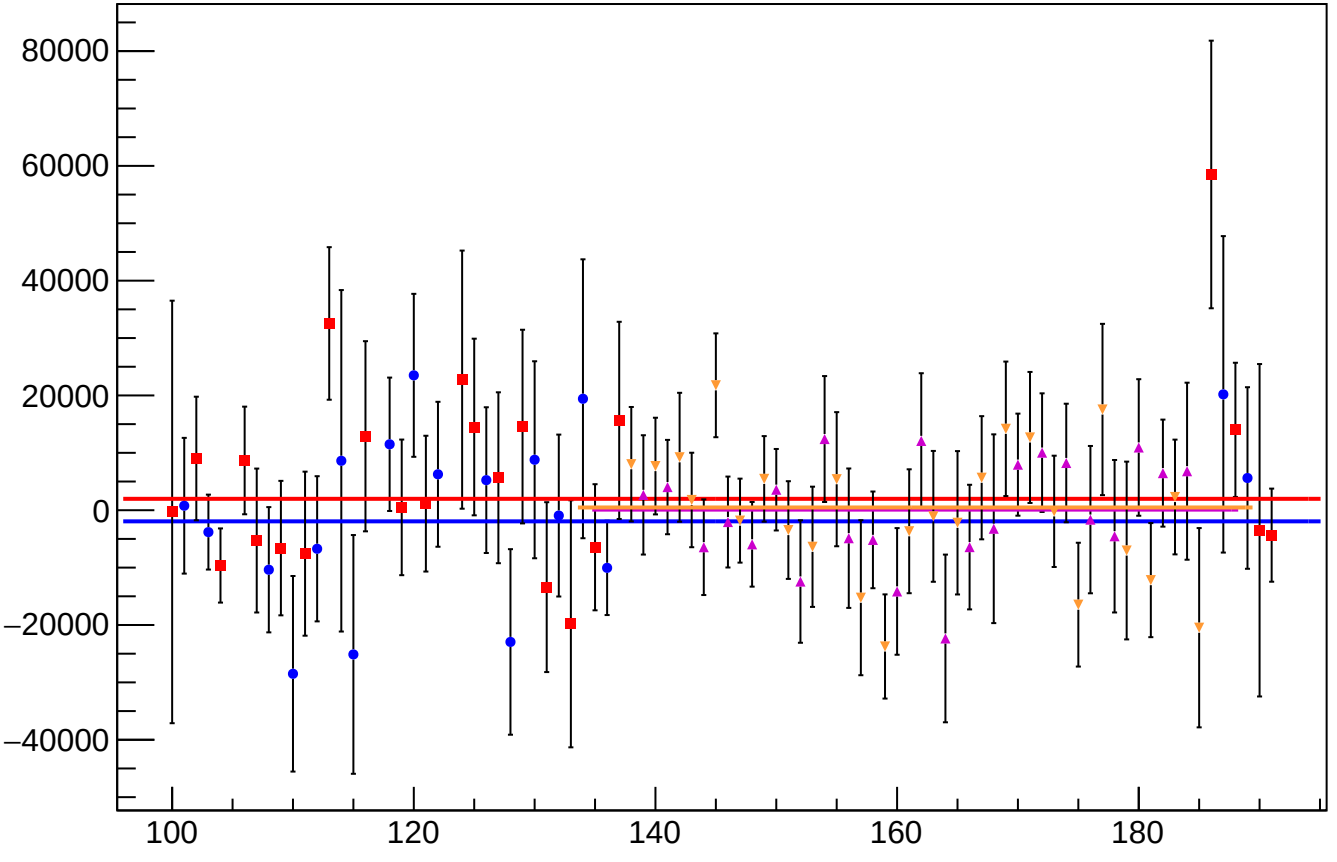
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2467.043+/-0.336 χ^2/NDF: 720936.3/42

All: 2462.852+/-0.237 χ^2/NDF: 1430336.2/88

- sign 2458.698+/-0.334 χ^2/NDF: 709089.8/45

asym_atr2_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: 1986.125+/-2626.225 χ^2/NDF: 24.3/22

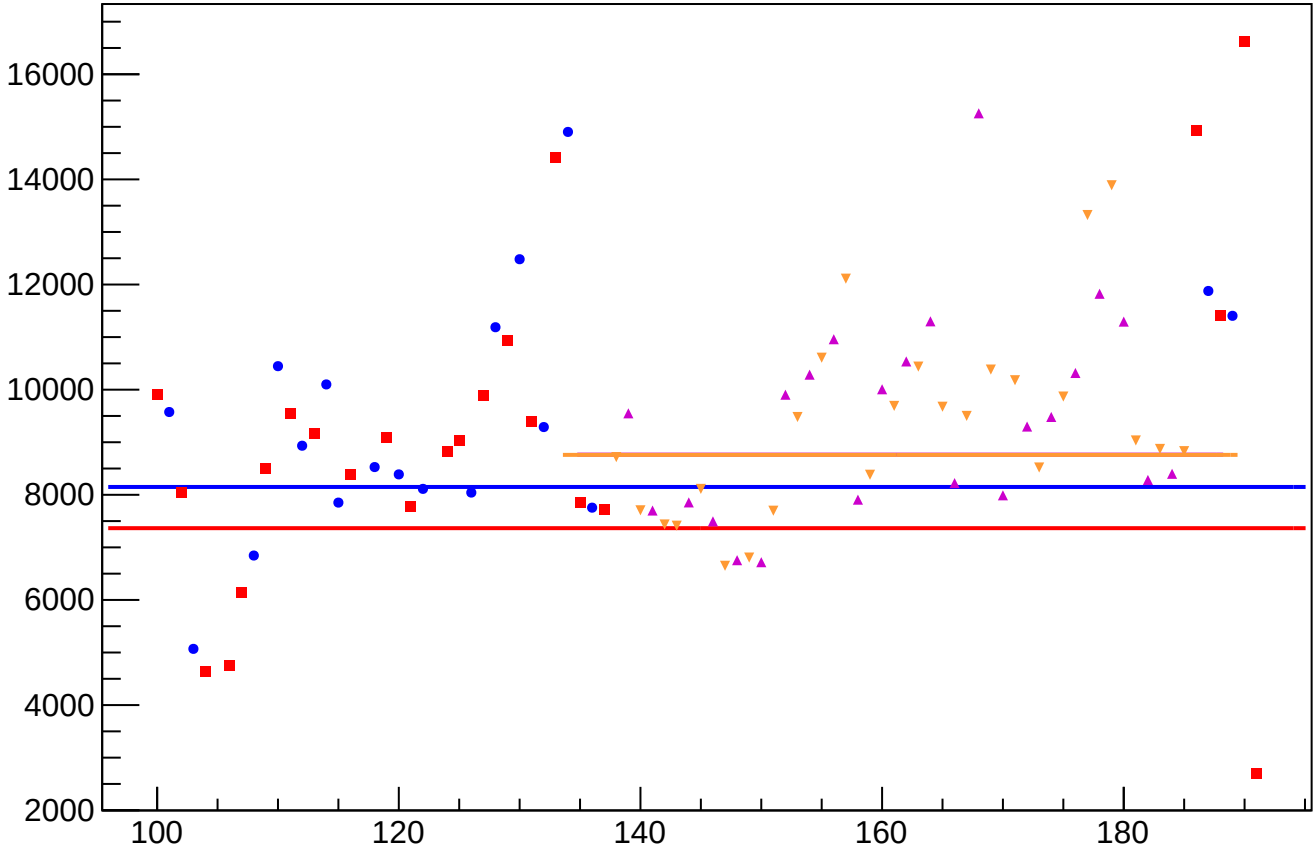
Left In: 105.025+/-2090.897 χ^2/NDF:14.5/22

+ sign -284.466+/-1684.859 χ^2/NDF: 42.5/42

All: 291.714+/-1173.637 χ^2/NDF: 81.8/88

- sign 834.811+/-1635.775 χ^2/NDF: 39.1/45

asym_atr2_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

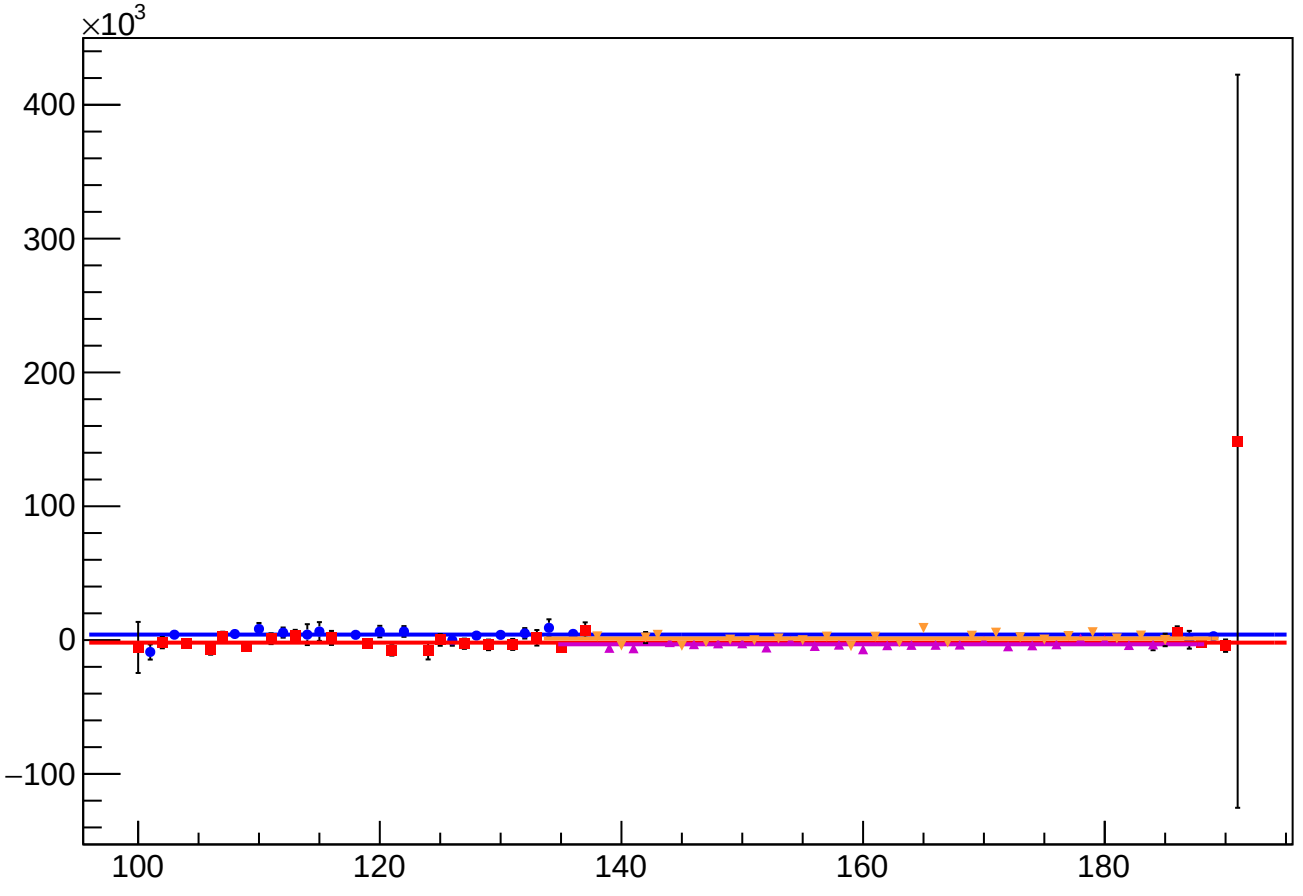
Right Out: 7365.325+/-1.857 χ^2/NDF: 2455987.7/22

Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

+ sign 8567.263+/-1.191 χ^2/NDF: 2329038.1/42

All: 8389.248+/-0.830 χ^2/NDF: 6467365.7/88

- sign 8221.453+/-1.157 χ^2/NDF: 4094956.8/45



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: -1901.828+/-849.159 χ^2/NDF: 18.6/22

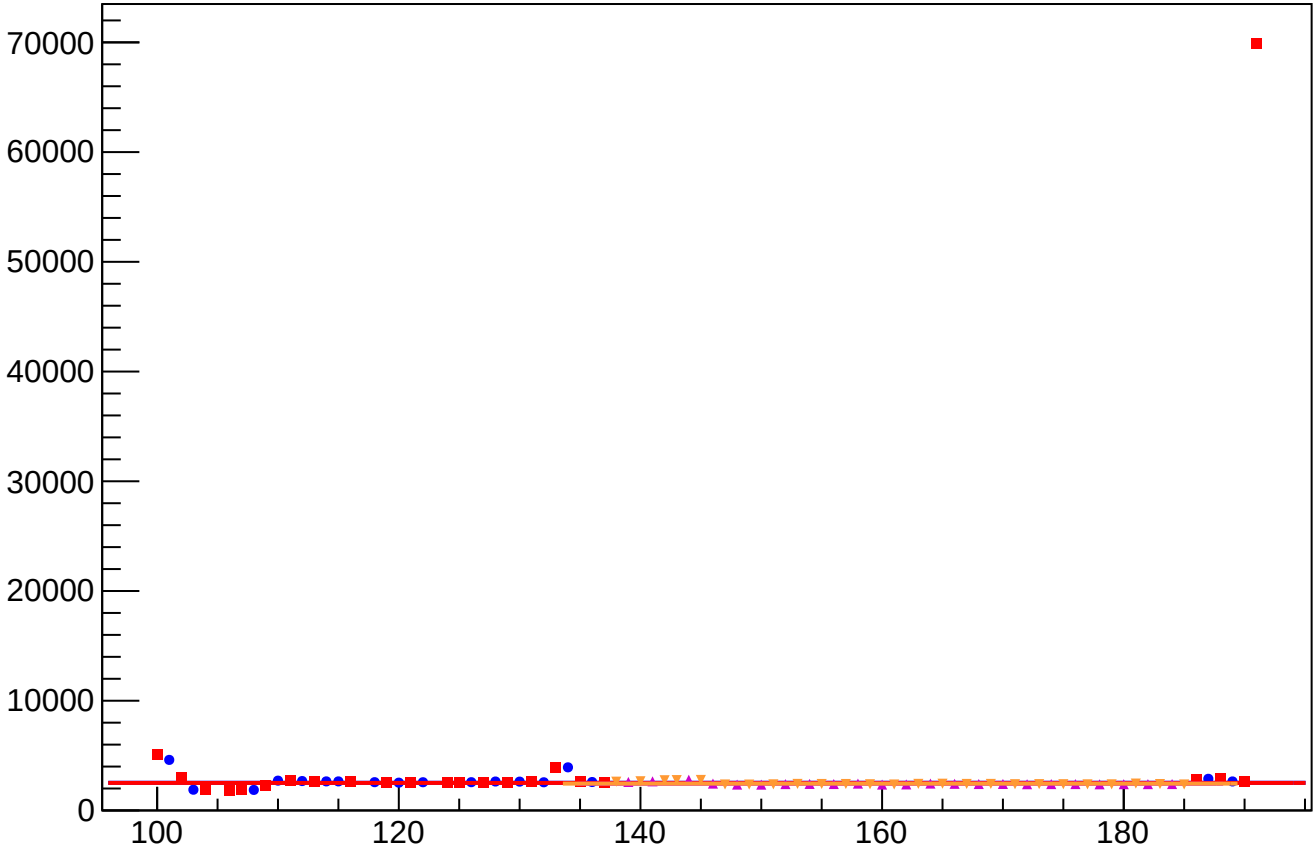
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 1980.504+/-474.897 χ^2/NDF: 48.0/42

All: -400.700+/-335.066 χ^2/NDF: 130.8/88

- sign -2761.106+/-472.819 χ^2/NDF: 32.7/45

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

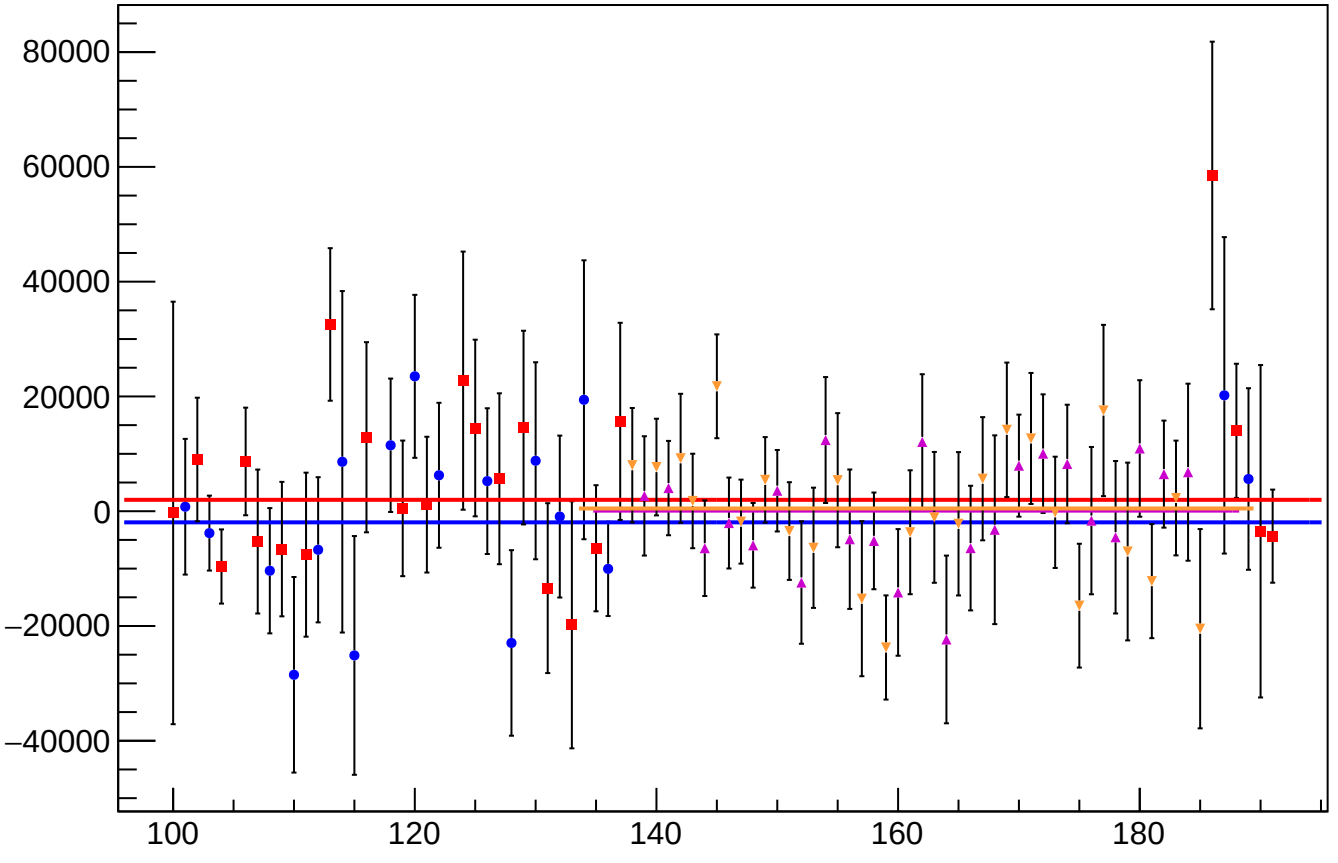
Right Out: 2509.321+/-0.600 χ^2/NDF: 639597.6/22

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2467.043+/-0.336 χ^2/NDF: 720936.3/42

All: 2462.852+/-0.237 χ^2/NDF: 1430336.2/88

- sign 2458.698+/-0.334 χ^2/NDF: 709089.8/45



Right In: -1939.517+/-3001.199 χ^2/NDF: 14.7/17

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

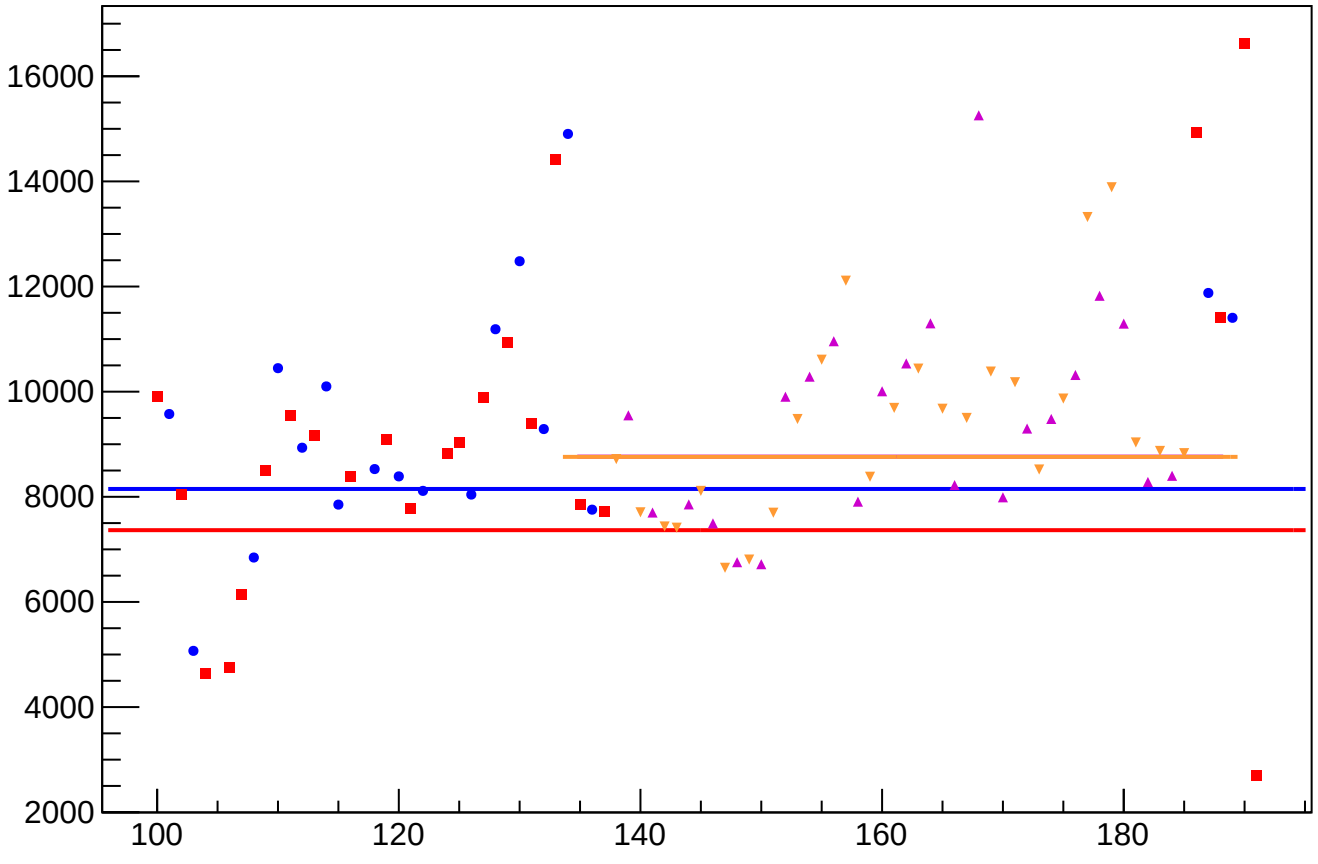
Right Out: 1986.125+/-2626.225 χ^2/NDF: 24.3/22

Left In: 105.025+/-2090.897 χ^2/NDF:14.5/22

+ sign -284.466+/-1684.859 χ^2/NDF: 42.5/42

All: 291.714+/-1173.637 χ^2/NDF: 81.8/88

- sign 834.811+/-1635.775 χ^2/NDF: 39.1/45



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: 7365.325+/-1.857 χ^2/NDF: 2455987.7/22

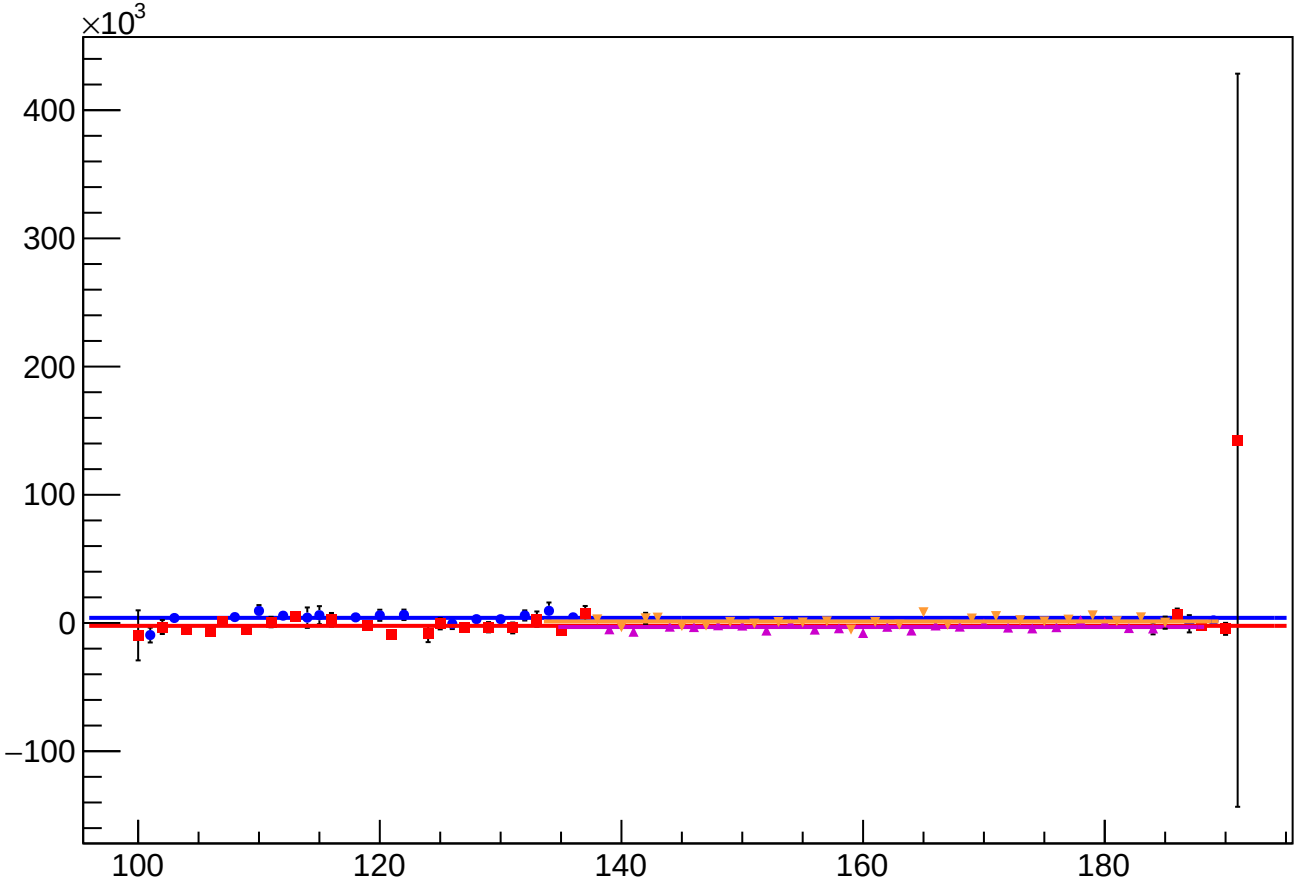
Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

+ sign 8567.263+/-1.191 χ^2/NDF: 2329038.1/42

All: 8389.248+/-0.830 χ^2/NDF: 6467365.7/88

- sign 8221.453+/-1.157 χ^2/NDF: 4094956.8/45

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: -2230.849+/-884.058 χ^2/NDF: 22.4/22

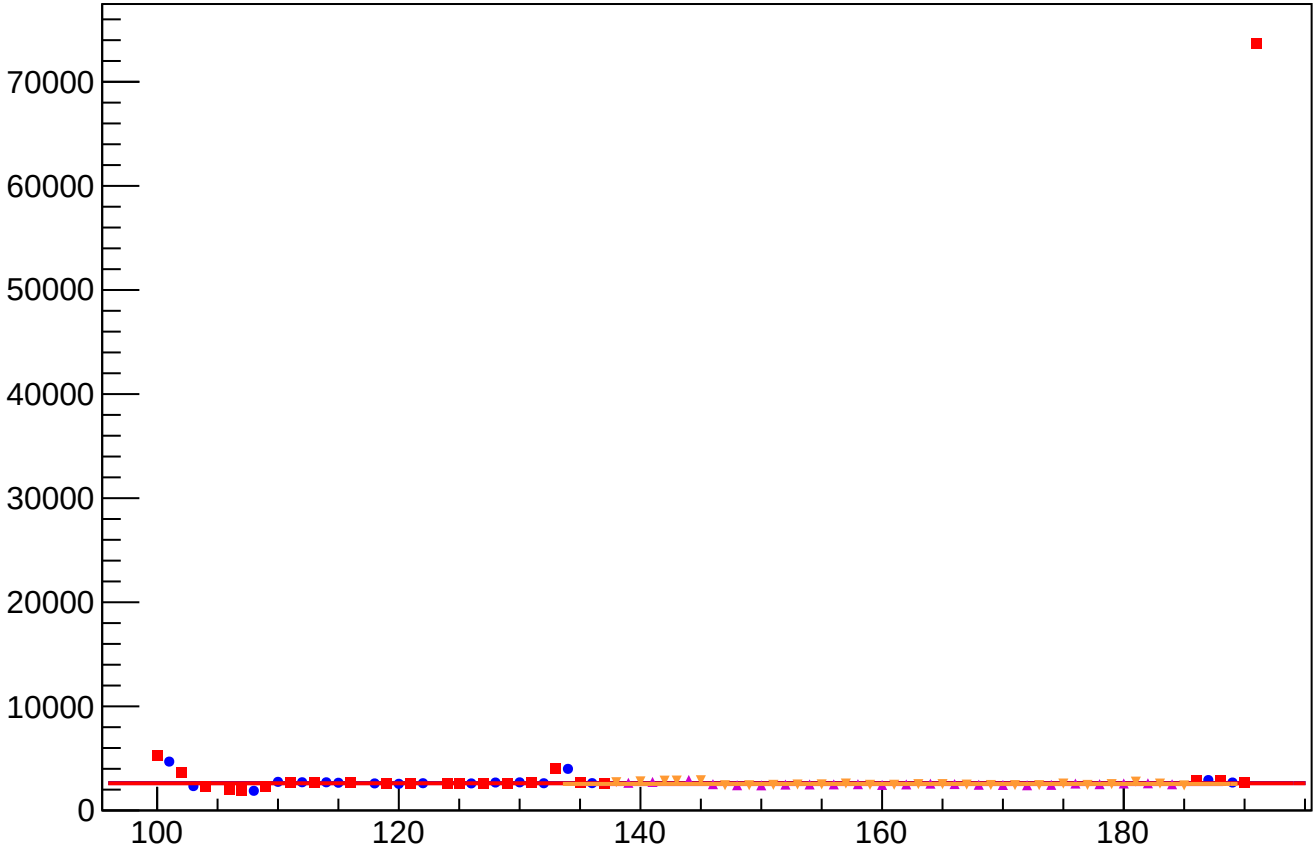
Left In: -3150.265+/-592.116 χ^2/NDF:16.5/22

+ sign 1977.001+/-494.426 χ^2/NDF: 44.1/42

All: -456.355+/-348.738 χ^2/NDF: 131.9/88

- sign -2865.545+/-491.965 χ^2/NDF: 39.6/45

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: 2610.433+/-0.625 χ^2/NDF: 562491.1/22

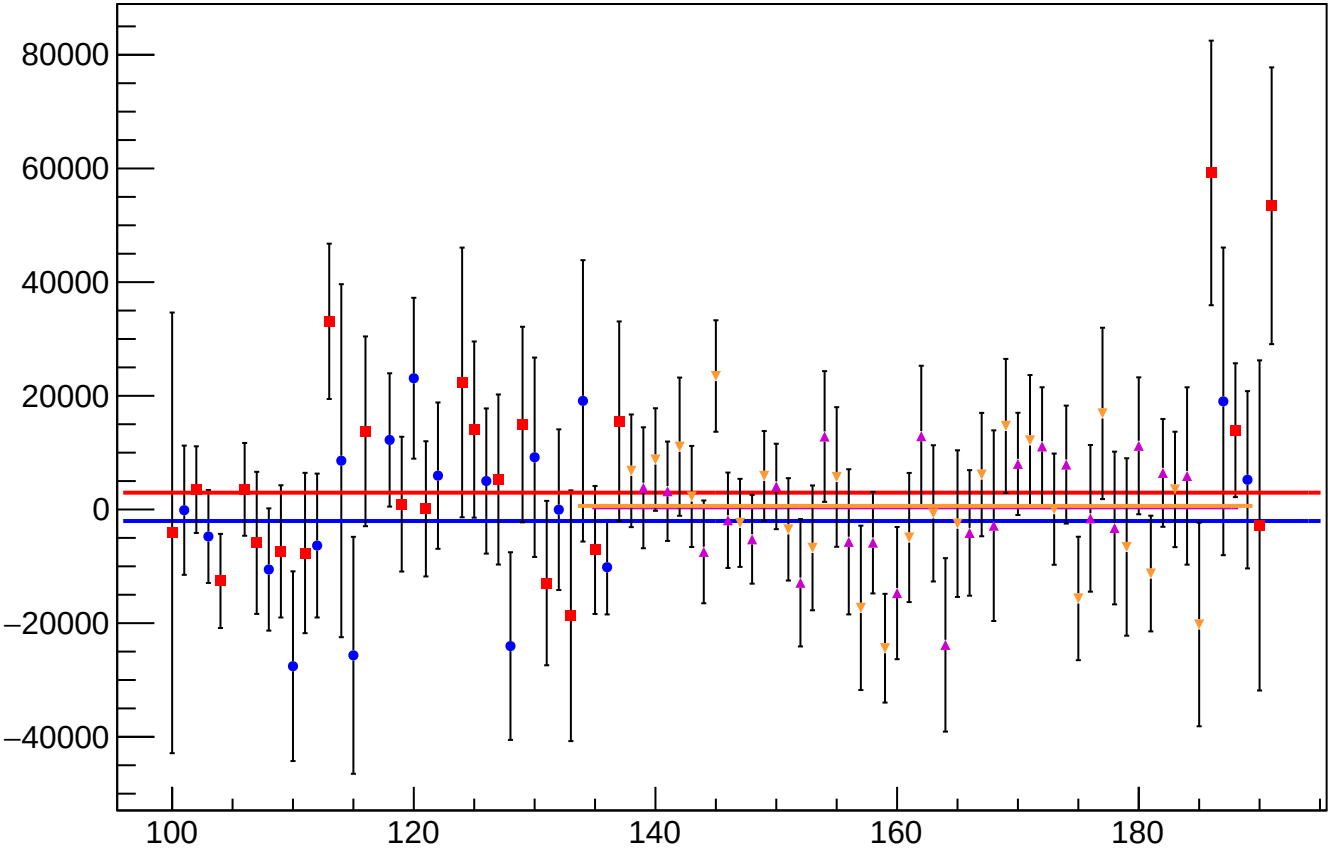
Left In: 2532.772+/-0.419 χ^2/NDF:68441.1/22

+ sign 2570.018+/-0.350 χ^2/NDF: 618962.2/42

All: 2563.394+/-0.247 χ^2/NDF: 1261270.2/88

- sign 2556.838+/-0.348 χ^2/NDF: 641593.7/45

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: 2960.956+/-2741.143 χ^2/NDF: 27.0/22

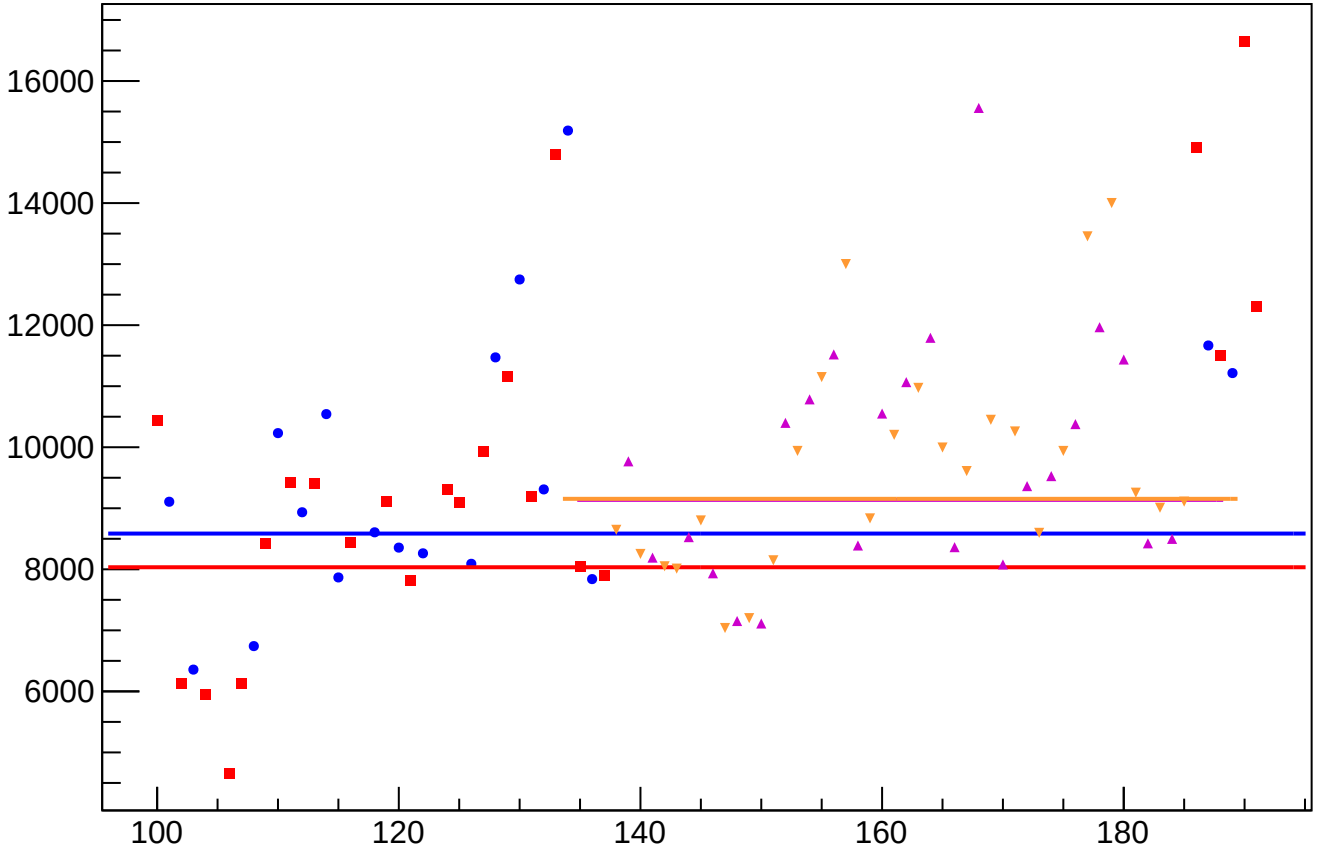
Left In: 377.922+/-2176.347 χ^2/NDF:14.2/22

+ sign -208.645+/-1756.055 χ^2/NDF: 41.8/42

All: 607.624+/-1223.067 χ^2/NDF: 84.0/88

- sign 1376.628+/-1704.455 χ^2/NDF: 41.8/45

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: 8033.795+/-1.938 χ^2/NDF: 1608989.0/22

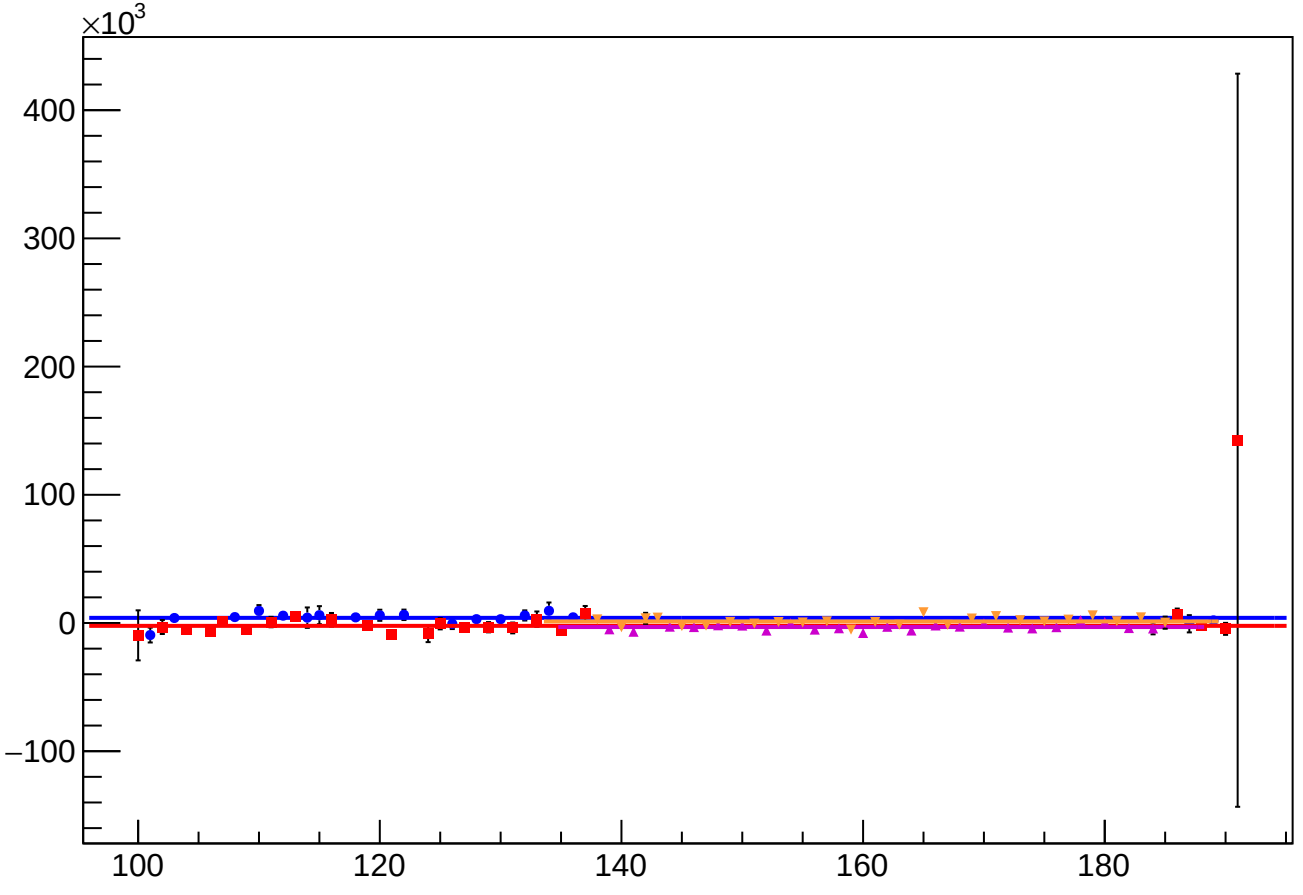
Left In: 9137.576+/-1.539 χ^2/NDF:1172792.2/22

+ sign 8974.934+/-1.242 χ^2/NDF: 1785168.6/42

All: 8838.934+/-0.865 χ^2/NDF: 4789152.8/88

- sign 8710.809+/-1.205 χ^2/NDF: 2980687.1/45

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: -2230.857+/-884.058 χ^2/NDF: 22.4/22

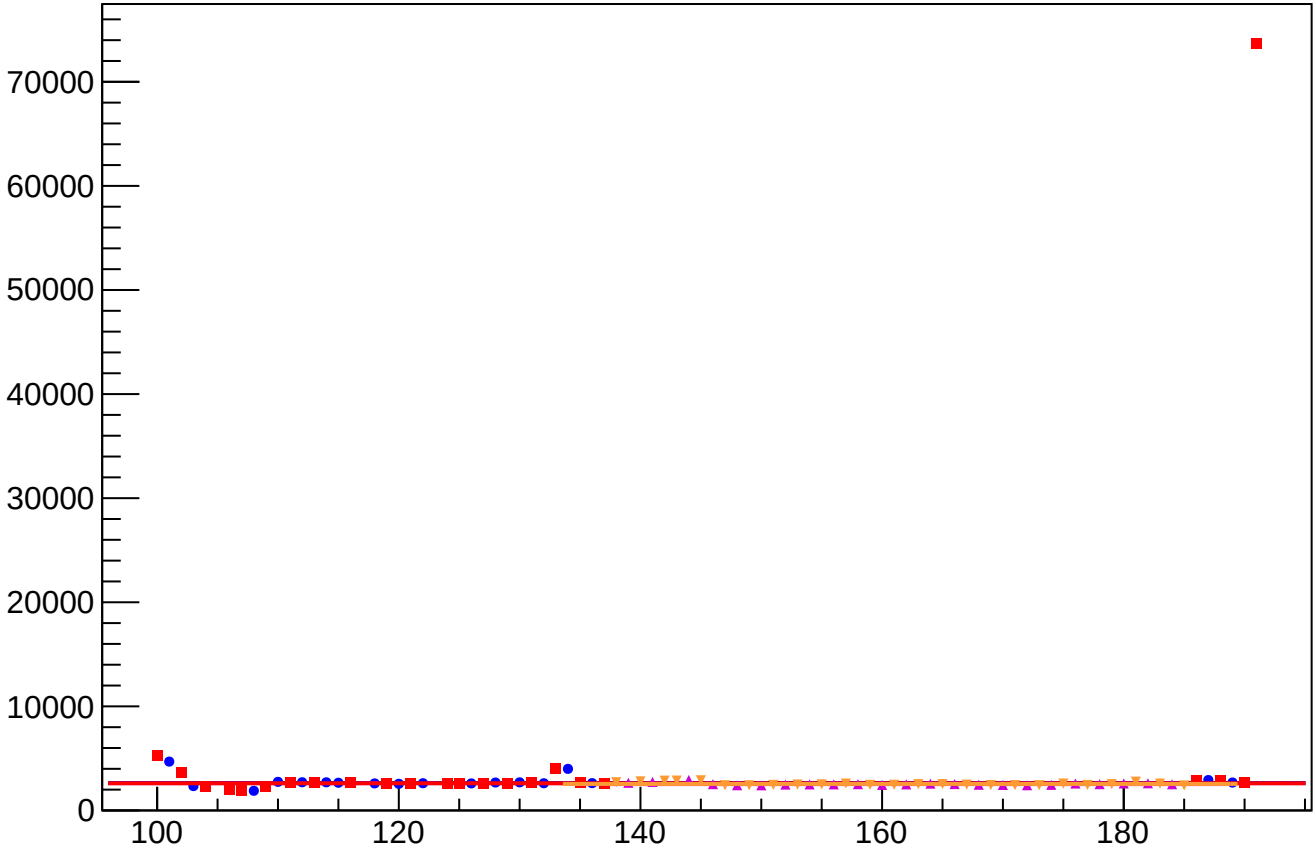
Left In: -3150.264+/-592.117 χ^2/NDF:16.5/22

+ sign 1976.995+/-494.426 χ^2/NDF: 44.1/42

All: -456.358+/-348.739 χ^2/NDF: 131.9/88

- sign -2865.546+/-491.965 χ^2/NDF: 39.6/45

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

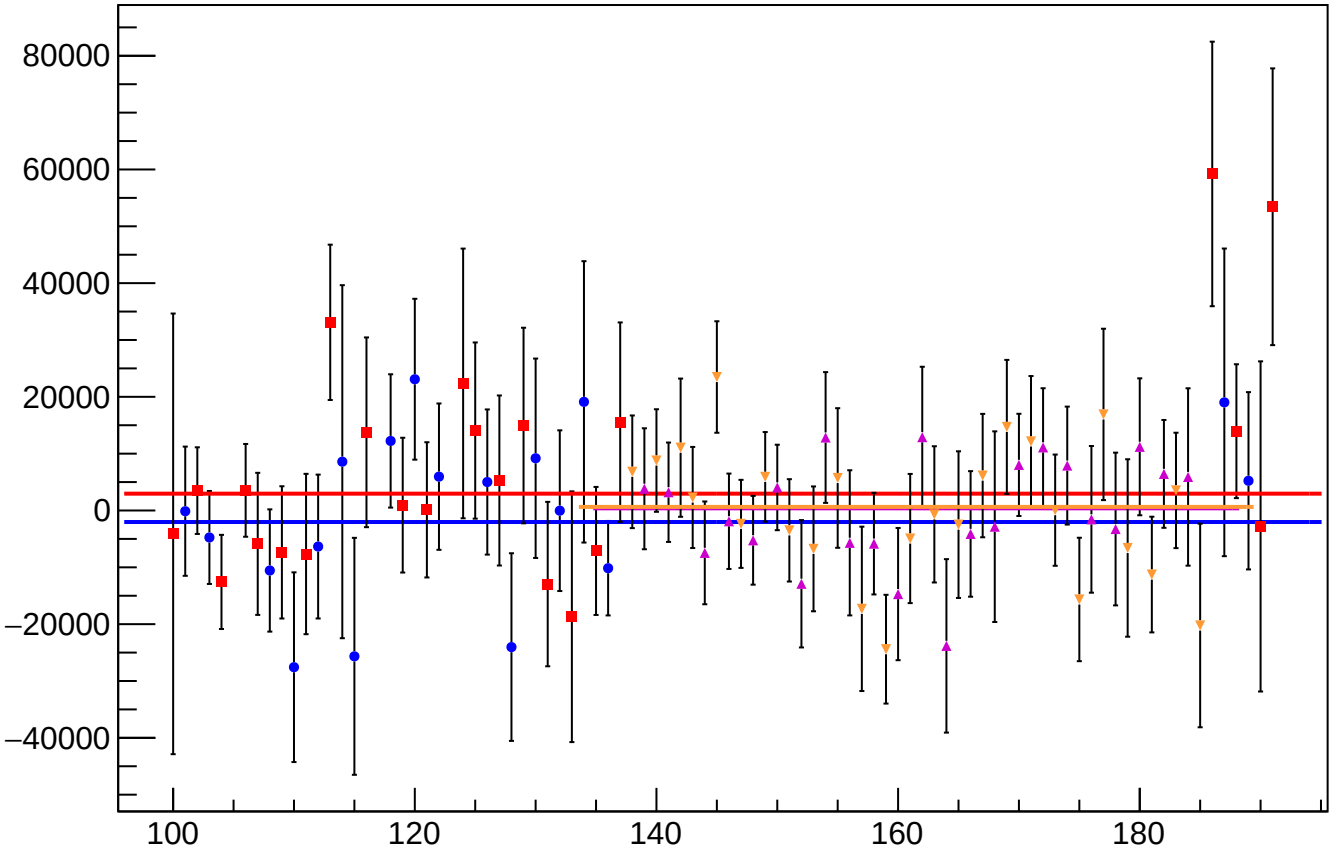
Right Out: 2610.432+/-0.625 χ^2/NDF: 562490.6/22

Left In: 2532.774+/-0.419 χ^2/NDF:68440.8/22

+ sign 2570.019+/-0.350 χ^2/NDF: 618961.6/42

All: 2563.395+/-0.247 χ^2/NDF: 1261268.2/88

- sign 2556.839+/-0.348 χ^2/NDF: 641592.3/45



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: 2960.947+/-2741.139 χ^2/NDF: 27.0/22

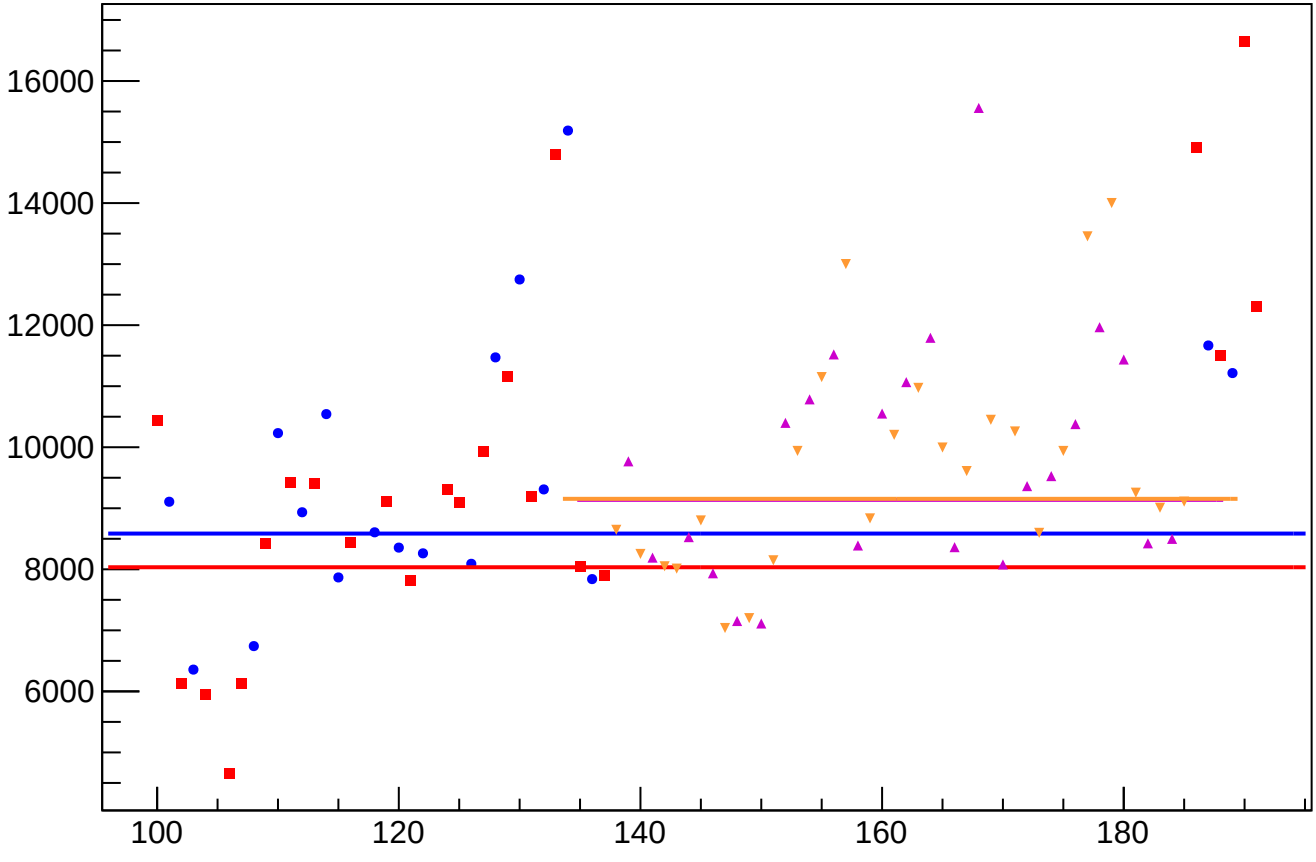
Left In: 377.927+/-2176.350 χ^2/NDF:14.2/22

+ sign -208.641+/-1756.056 χ^2/NDF: 41.8/42

All: 607.628+/-1223.068 χ^2/NDF: 84.0/88

- sign 1376.631+/-1704.456 χ^2/NDF: 41.8/45

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: 8033.783+/-1.938 χ^2/NDF: 1608987.8/22

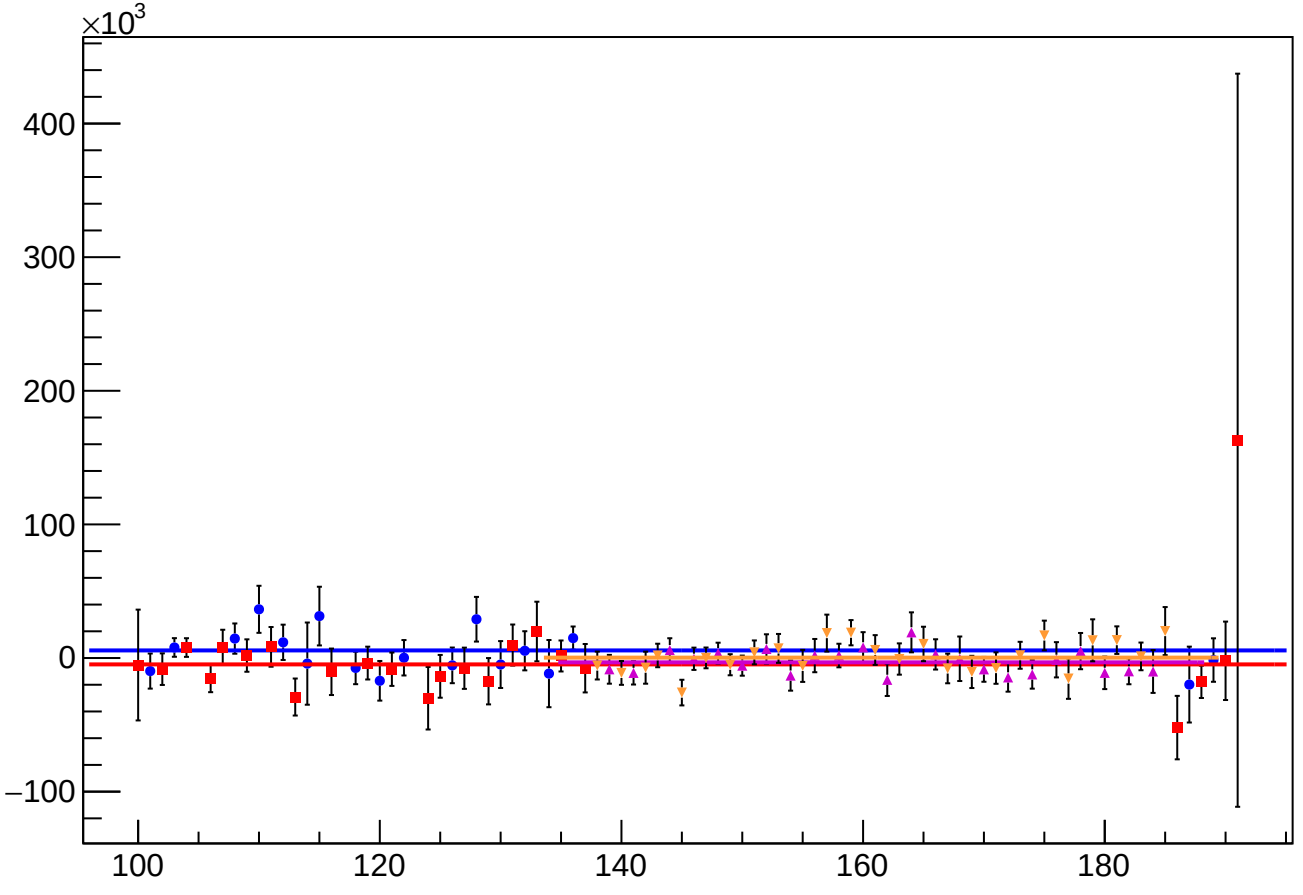
Left In: 9137.590+/-1.539 χ^2/NDF:1172796.0/22

+ sign 8974.941+/-1.242 χ^2/NDF: 1785170.5/42

All: 8838.939+/-0.865 χ^2/NDF: 4789167.1/88

- sign 8710.812+/-1.205 χ^2/NDF: 2980698.9/45

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: -4768.818+/-2936.361 χ^2/NDF: 19.7/22

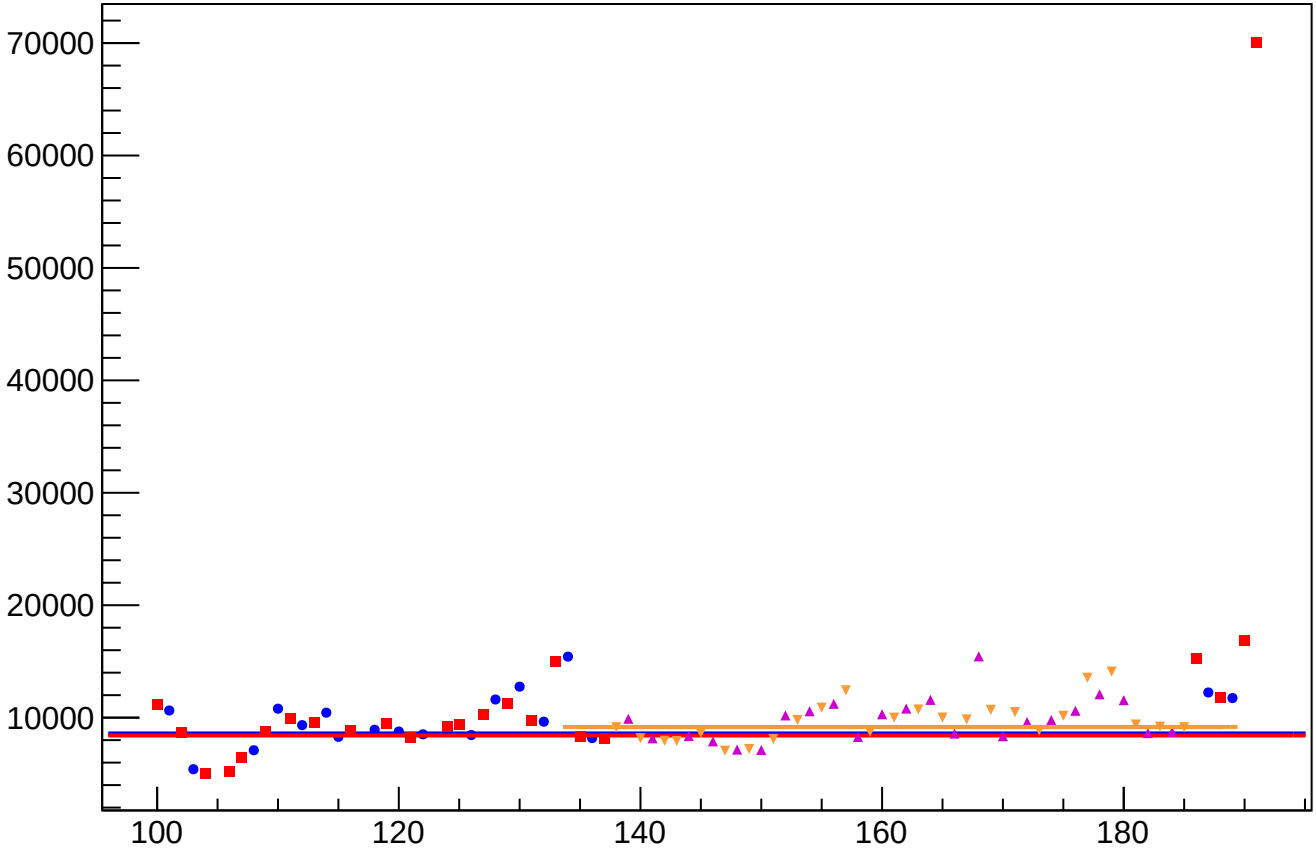
Left In: -3233.667+/-2179.845 χ^2/NDF:13.6/22

+ sign 1976.695+/-1763.174 χ^2/NDF: 44.5/42

All: -922.341+/-1242.165 χ^2/NDF: 83.2/88

- sign -3779.102+/-1750.271 χ^2/NDF: 33.4/45

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: 8412.642+/-2.076 χ^2/NDF: 1664026.2/22

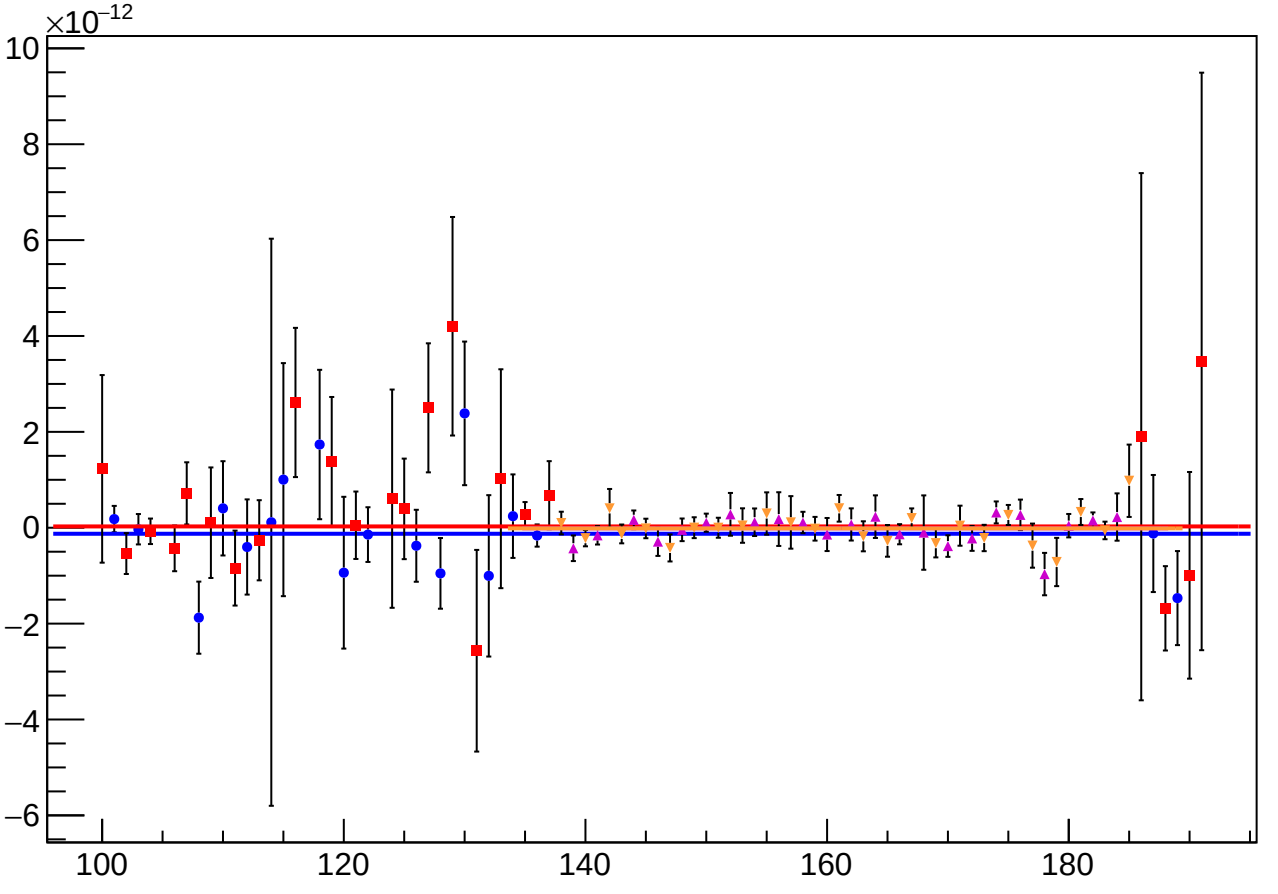
Left In: 9162.276+/-1.541 χ^2/NDF:1127533.4/22

+ sign 8992.625+/-1.247 χ^2/NDF: 2098237.6/42

All: 8943.918+/-0.878 χ^2/NDF: 4976867.2/88

- sign 8895.924+/-1.238 χ^2/NDF: 2875599.5/45

asym_atr2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/17

Left Out: -0.000+/-0.000 χ^2/NDF:19.4/24

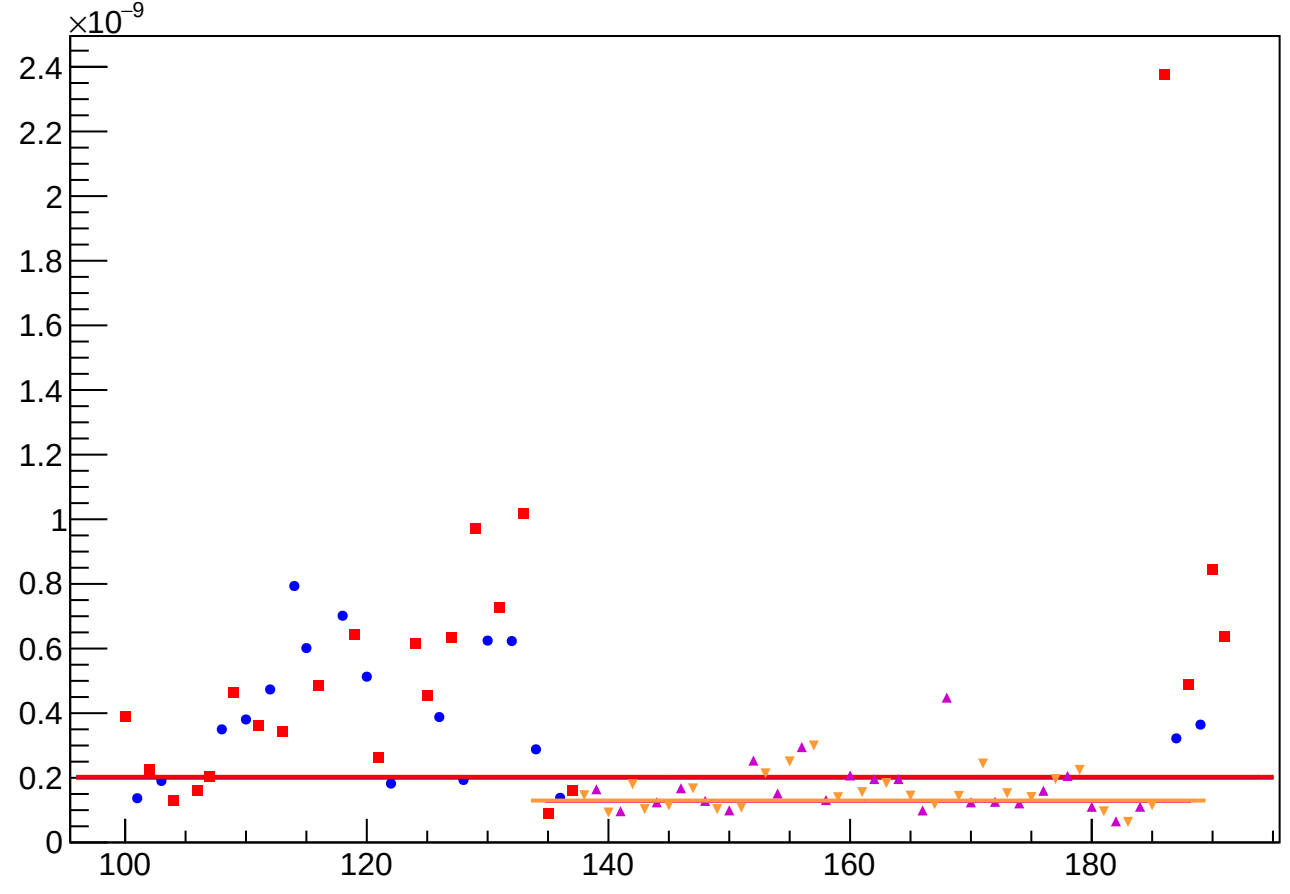
Right Out: 0.000+/-0.000 χ^2/NDF: 24.2/22

Left In: -0.000+/-0.000 χ^2/NDF:19.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.6/42

All: -0.000+/-0.000 χ^2/NDF: 79.0/88

- sign -0.000+/-0.000 χ^2/NDF: 43.4/45



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: 2789212.4/22

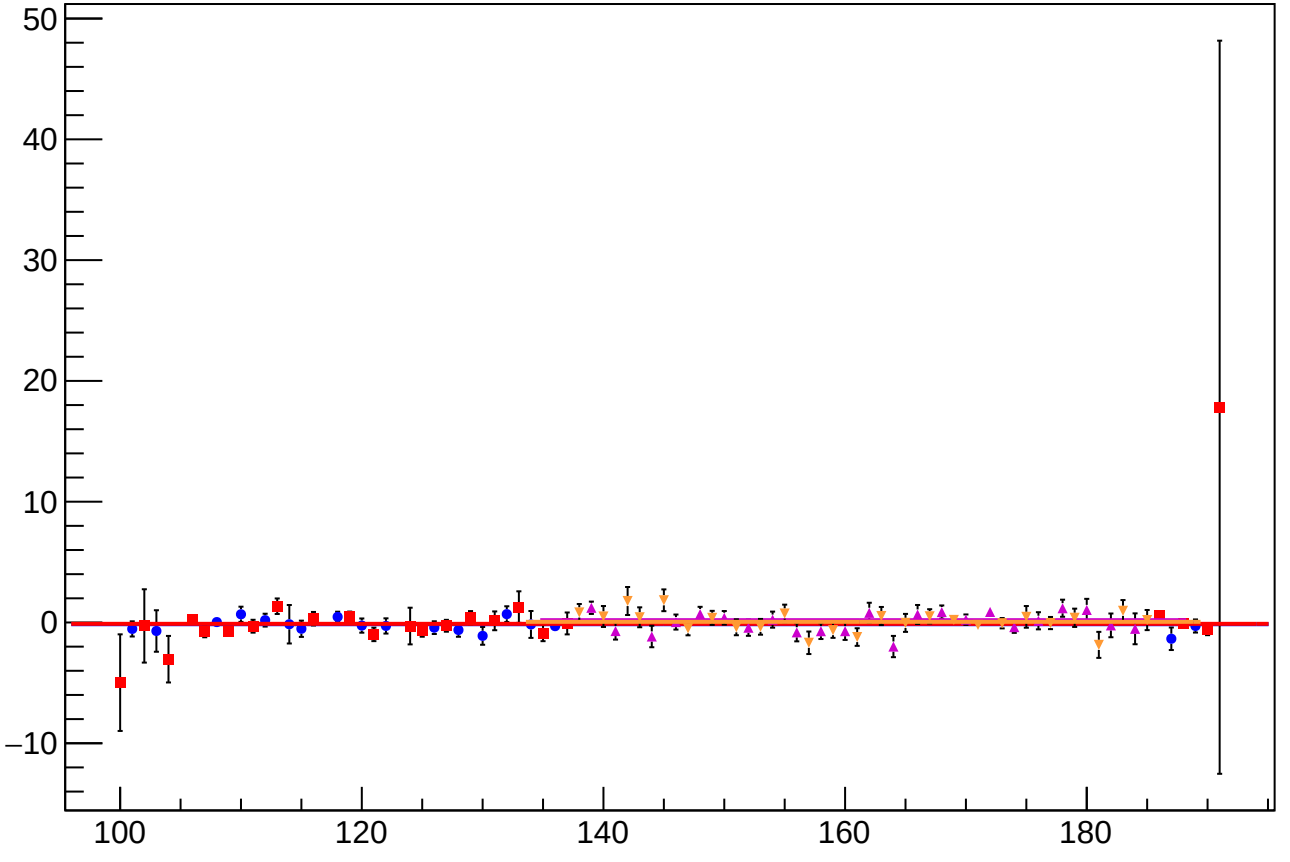
Left In: 0.000+/-0.000 χ^2/NDF:1516080.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 3307177.8/42

All: 0.000+/-0.000 χ^2/NDF: 8127202.6/88

- sign 0.000+/-0.000 χ^2/NDF: 4819668.3/45

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: -0.112+/-0.108 χ^2/NDF: 29.1/22

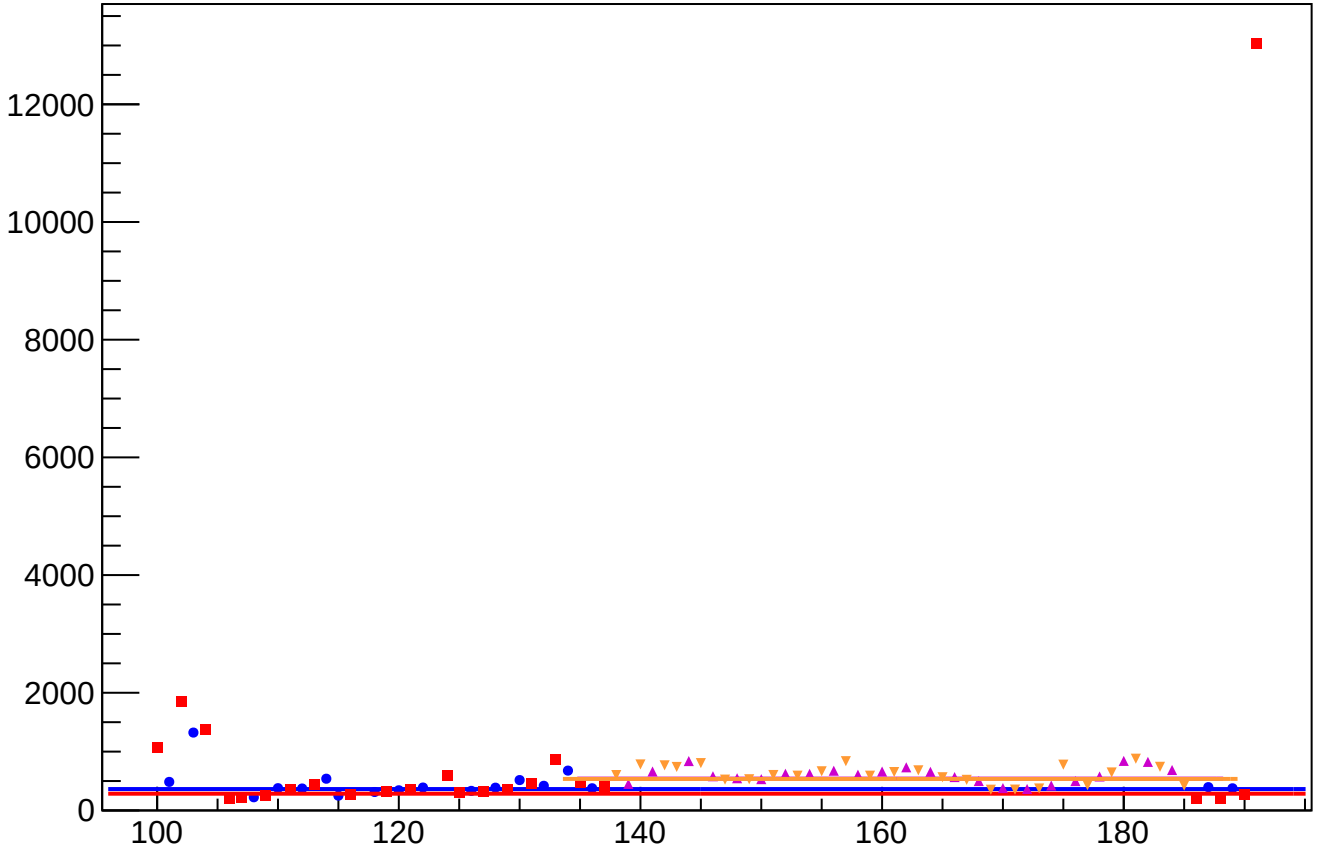
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.039+/-0.095 χ^2/NDF: 37.3/42

All: -0.013+/-0.063 χ^2/NDF: 100.8/88

- sign 0.008+/-0.084 χ^2/NDF: 63.4/45

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: 284.755+/-0.076 χ^2/NDF: 3207593.2/22

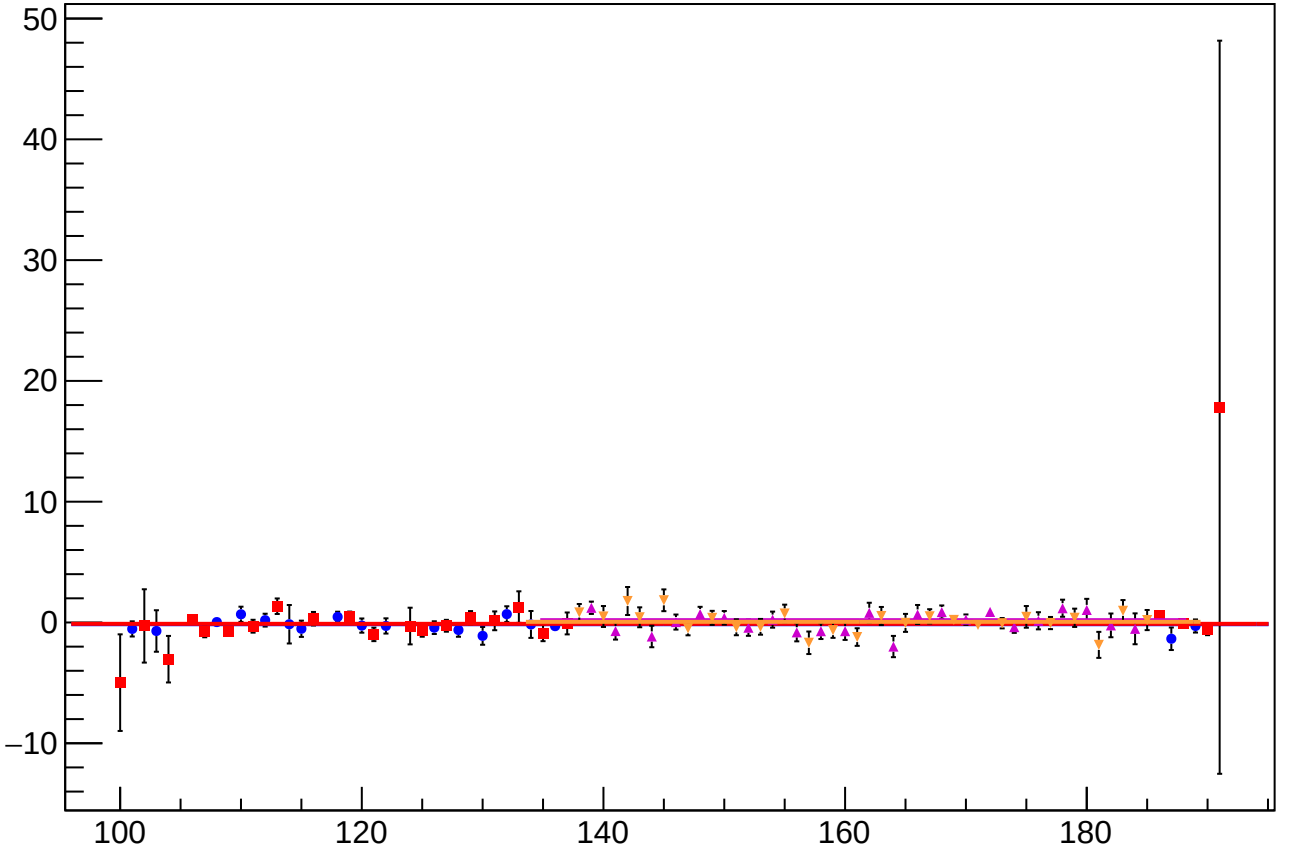
Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 455.466+/-0.067 χ^2/NDF: 5783714.5/42

All: 416.576+/-0.044 χ^2/NDF: 15971755.0/88

- sign 386.051+/-0.059 χ^2/NDF: 9583676.8/45

asym_atr2_dit_vs_eigen_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: -0.112+/-0.108 χ^2/NDF: 29.1/22

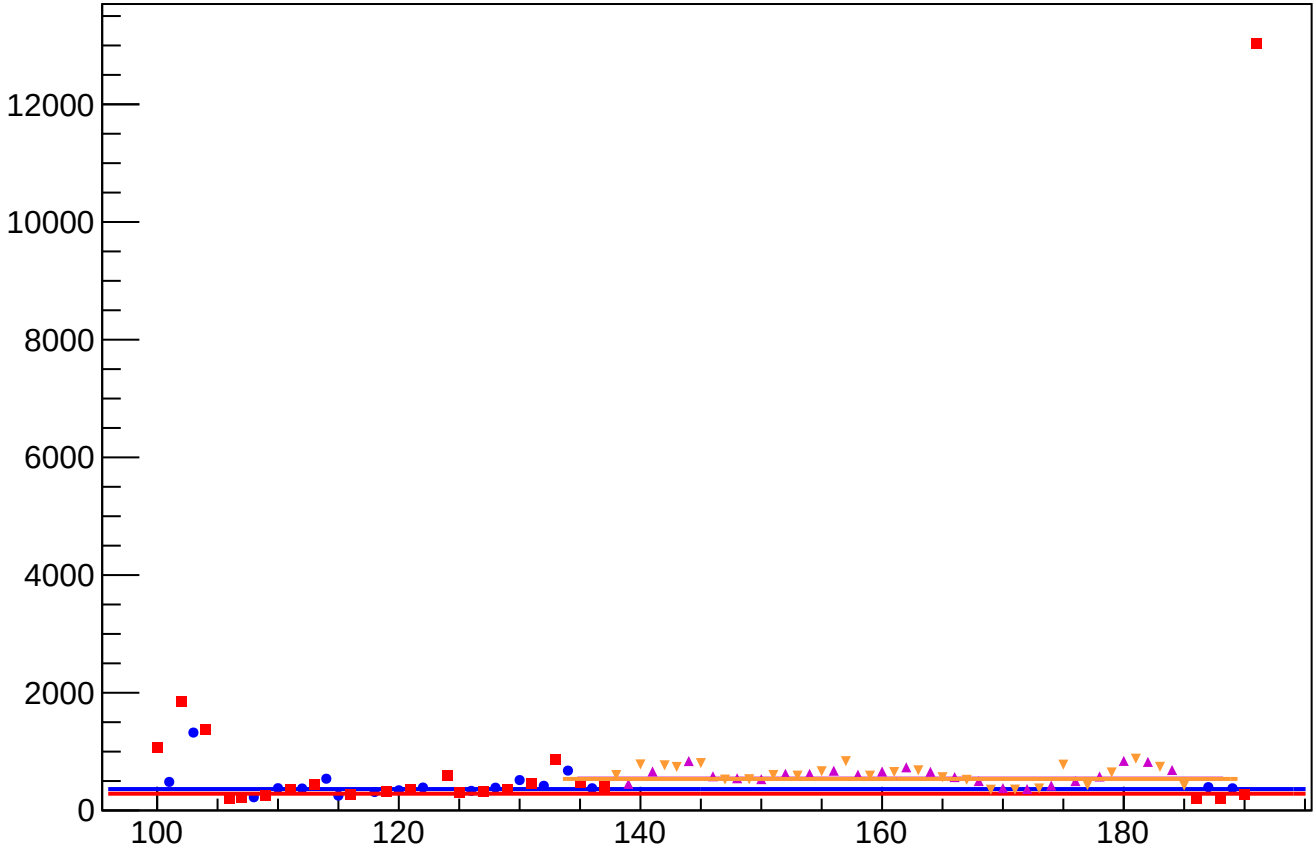
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.039+/-0.095 χ^2/NDF: 37.3/42

All: -0.013+/-0.063 χ^2/NDF: 100.8/88

- sign 0.008+/-0.084 χ^2/NDF: 63.4/45

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: 284.755+/-0.076 χ^2/NDF: 3207593.2/22

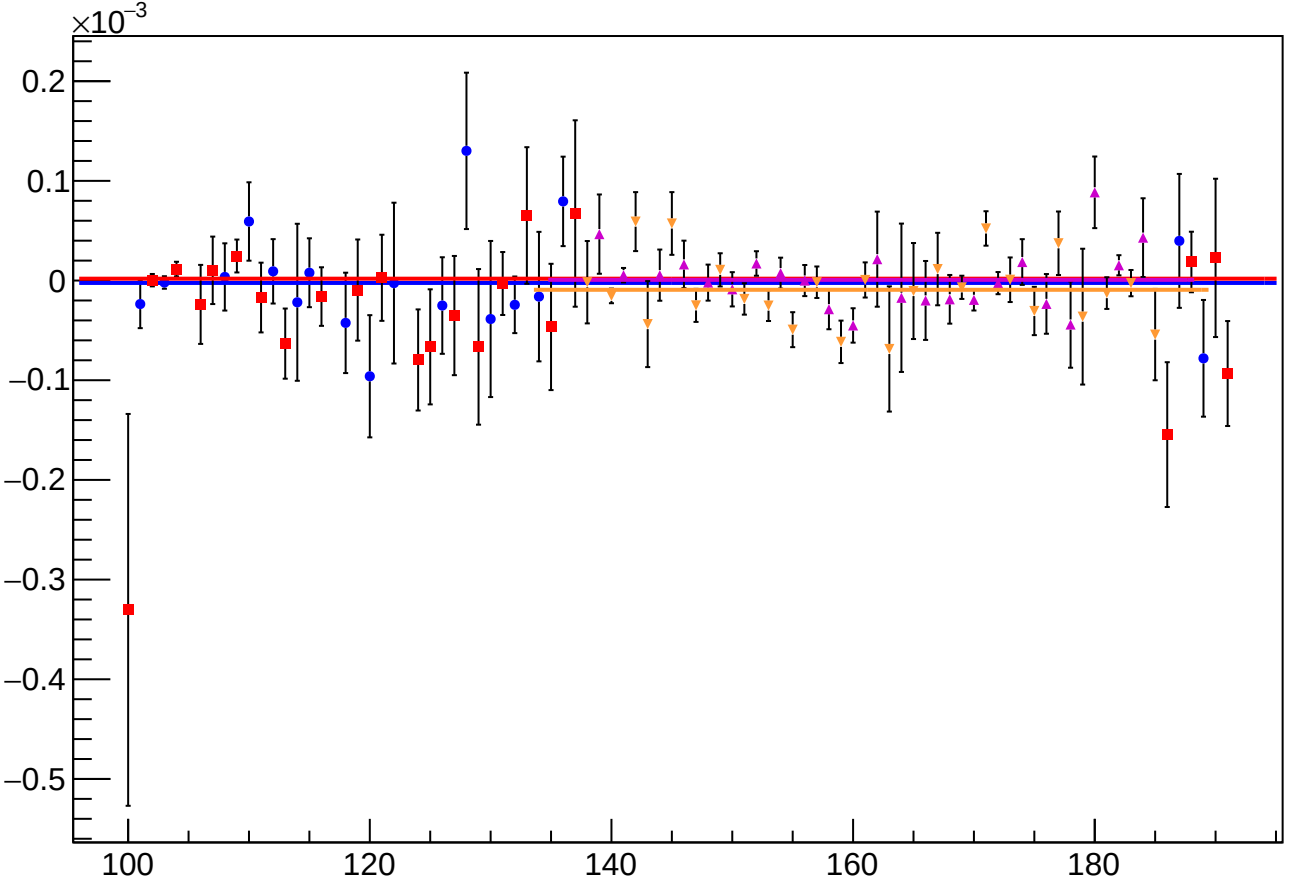
Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 455.466+/-0.067 χ^2/NDF: 5783714.5/42

All: 416.576+/-0.044 χ^2/NDF: 15971755.0/88

- sign 386.051+/-0.059 χ^2/NDF: 9583676.8/45

asym_atr2_eigen_dit_vs_dit_diff_mean vs Slug



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: 26.5/22

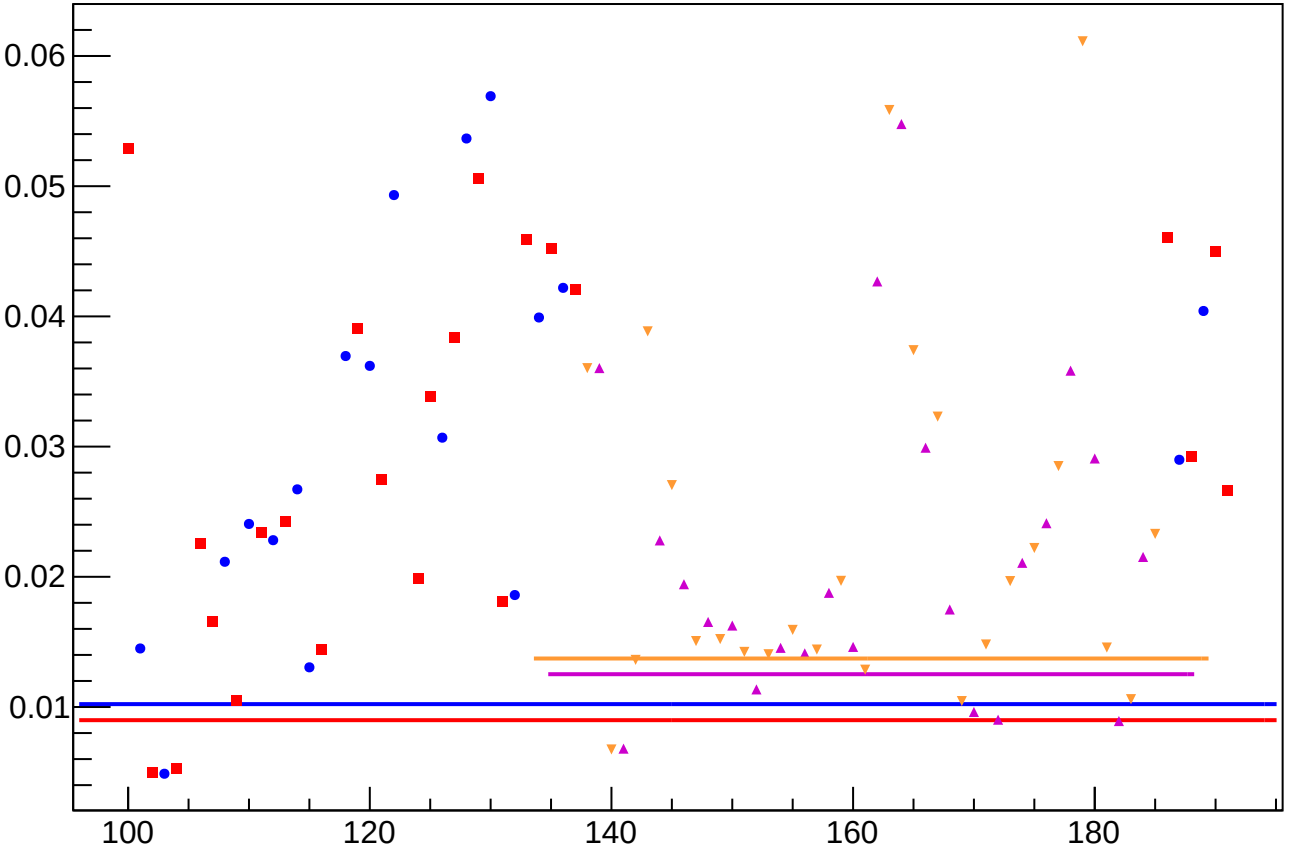
Left In: 0.000+/-0.000 χ^2/NDF:30.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 62.1/42

All: -0.000+/-0.000 χ^2/NDF: 123.0/88

- sign 0.000+/-0.000 χ^2/NDF: 56.6/45

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: 8847666.1/22

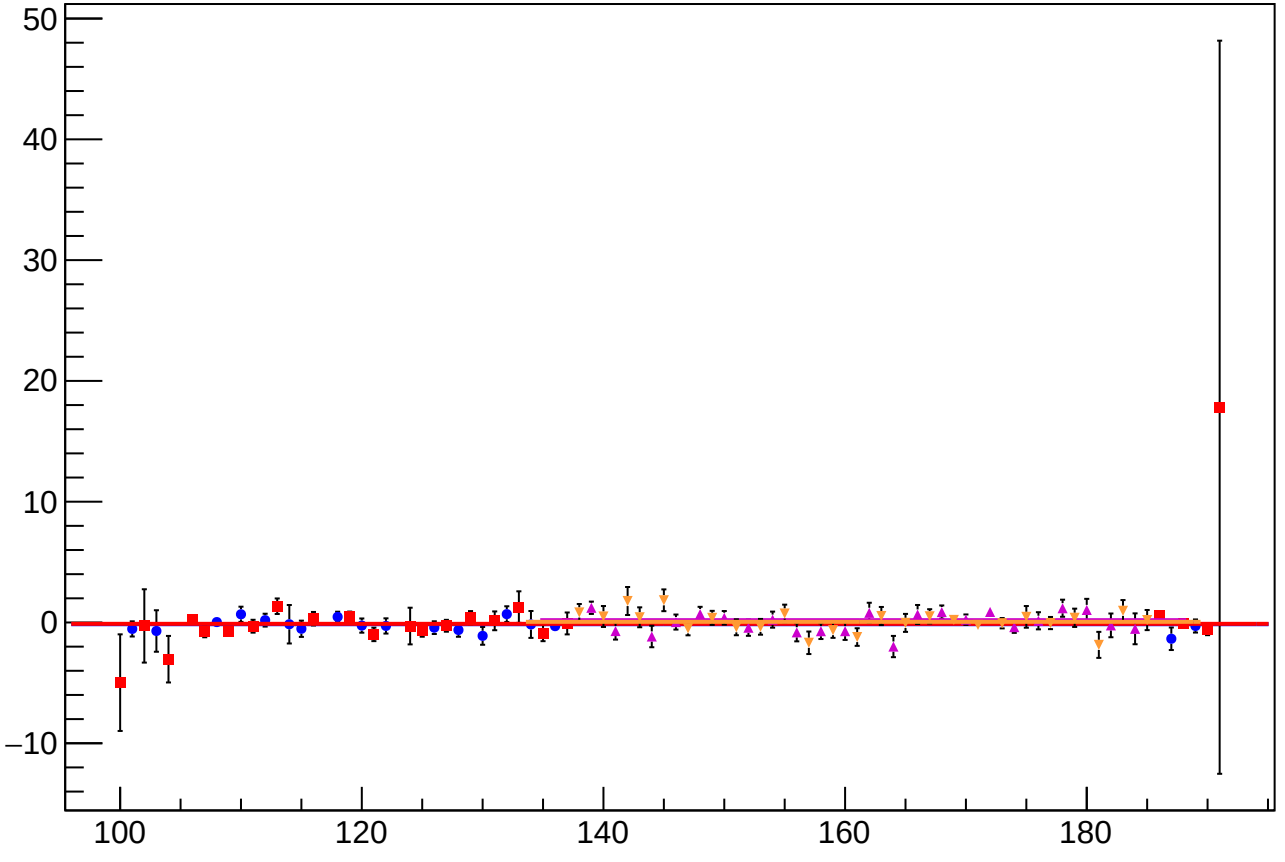
Left In: 0.013+/-0.000 χ^2/NDF:7121524.7/22

+ sign 0.013+/-0.000 χ^2/NDF: 16054999.0/42

All: 0.012+/-0.000 χ^2/NDF: 33181710.7/88

- sign 0.011+/-0.000 χ^2/NDF: 16825322.4/45

asym_atr2_eigen_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: -0.112+/-0.108 χ^2/NDF: 29.1/22

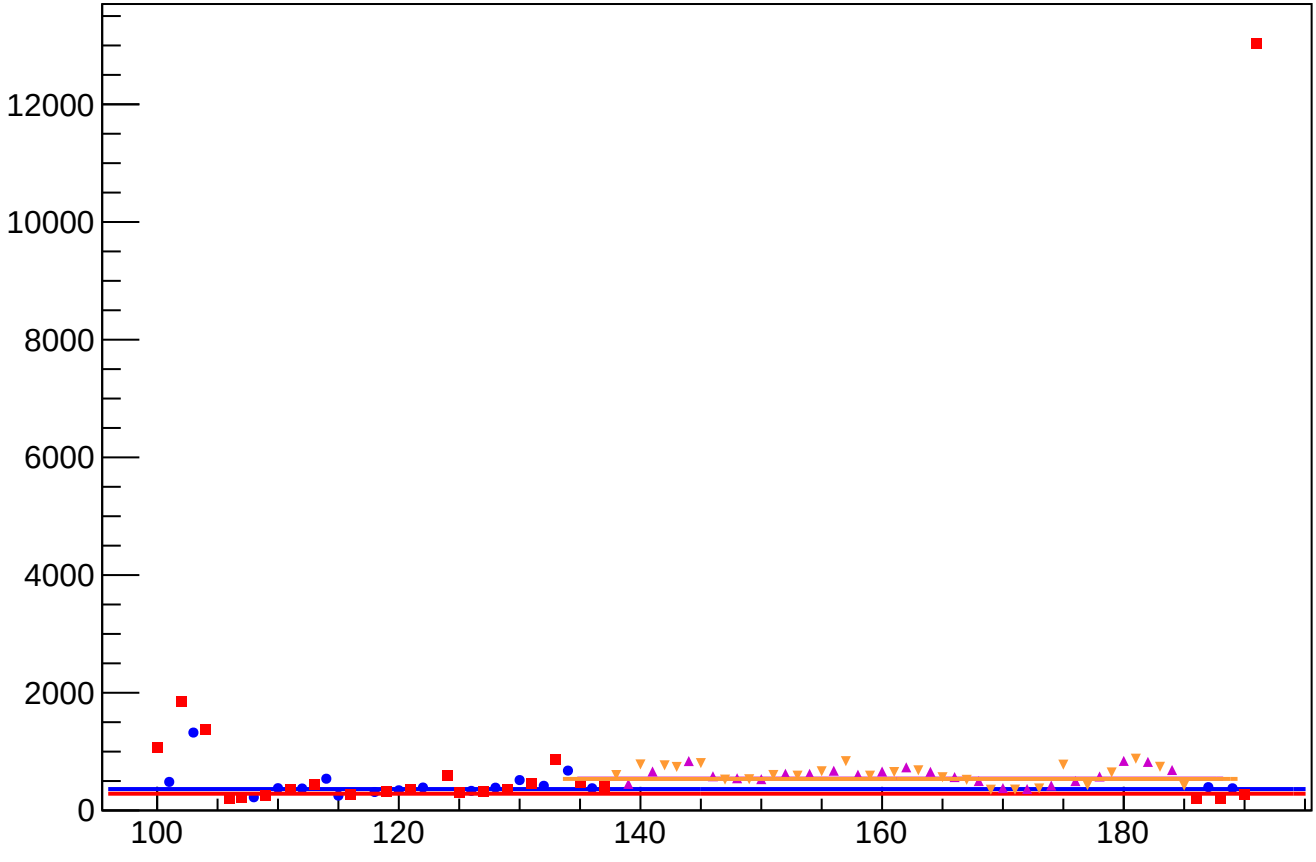
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.039+/-0.095 χ^2/NDF: 37.3/42

All: -0.013+/-0.063 χ^2/NDF: 100.8/88

- sign 0.008+/-0.084 χ^2/NDF: 63.4/45

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: 284.755+/-0.076 χ^2/NDF: 3207528.2/22

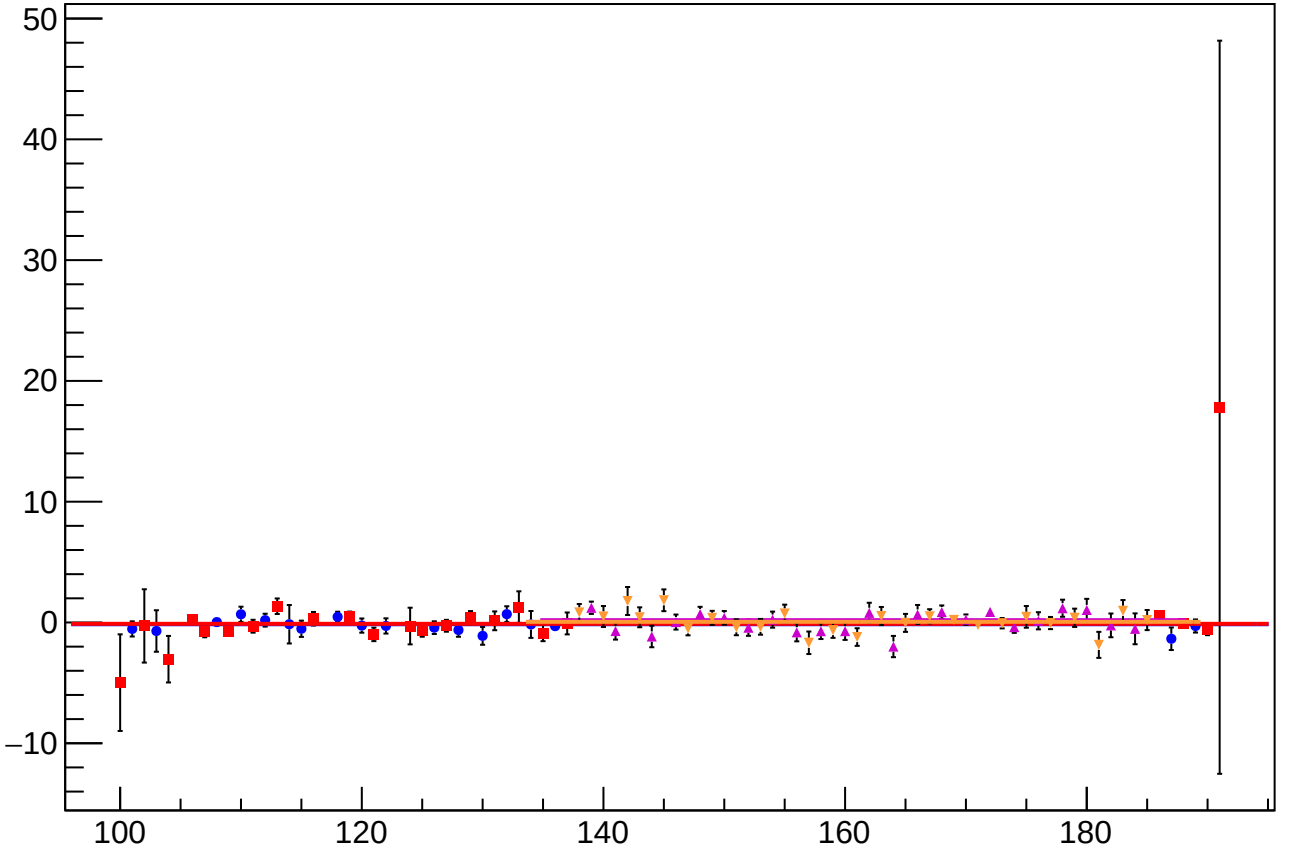
Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 455.465+/-0.067 χ^2/NDF: 5783957.5/42

All: 416.576+/-0.044 χ^2/NDF: 15972068.5/88

- sign 386.051+/-0.059 χ^2/NDF: 9583776.6/45

asym_atr2_eigen_dit_vs_eigen_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: -0.112+/-0.108 χ^2/NDF: 29.1/22

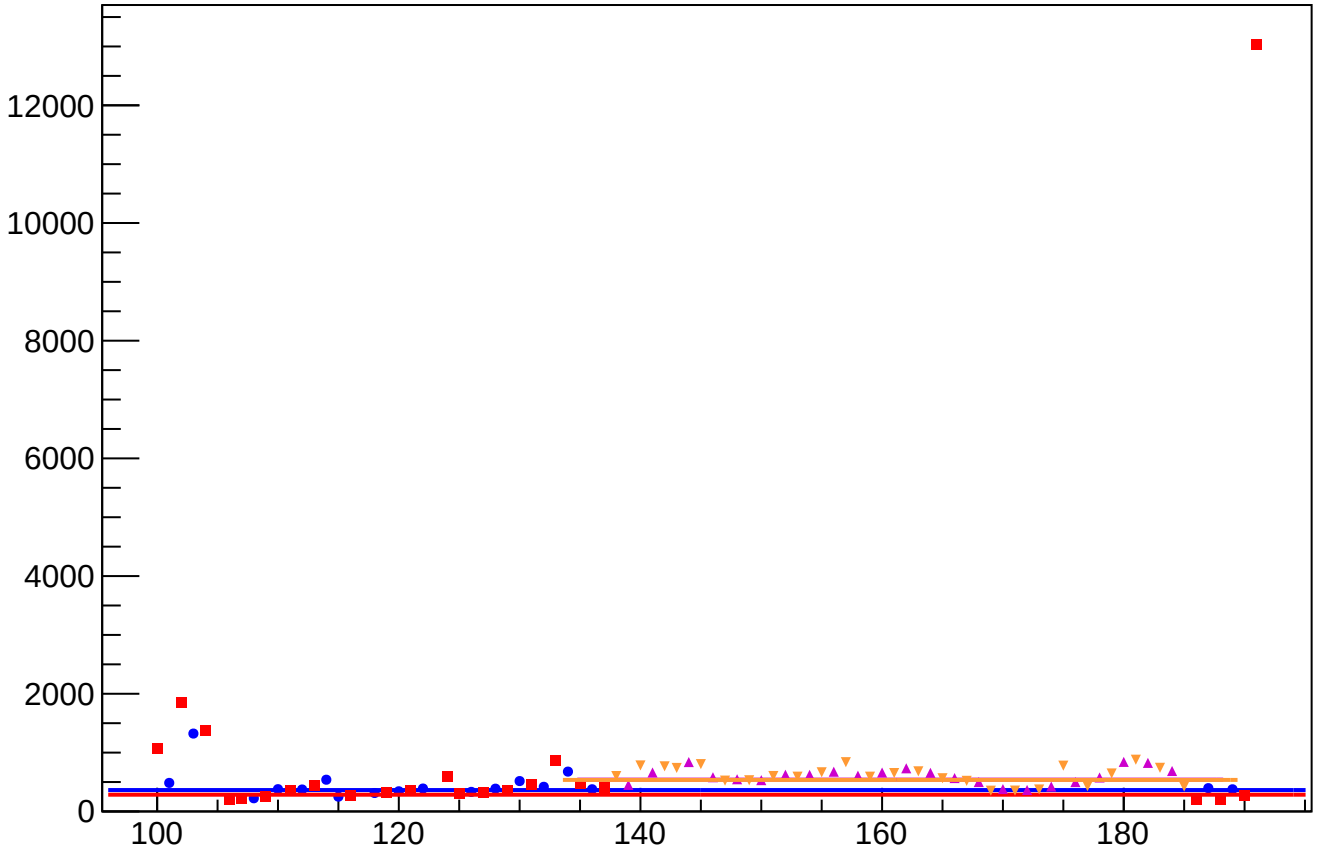
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.039+/-0.095 χ^2/NDF: 37.3/42

All: -0.013+/-0.063 χ^2/NDF: 100.8/88

- sign 0.008+/-0.084 χ^2/NDF: 63.4/45

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: 284.755+/-0.076 χ^2/NDF: 3207528.2/22

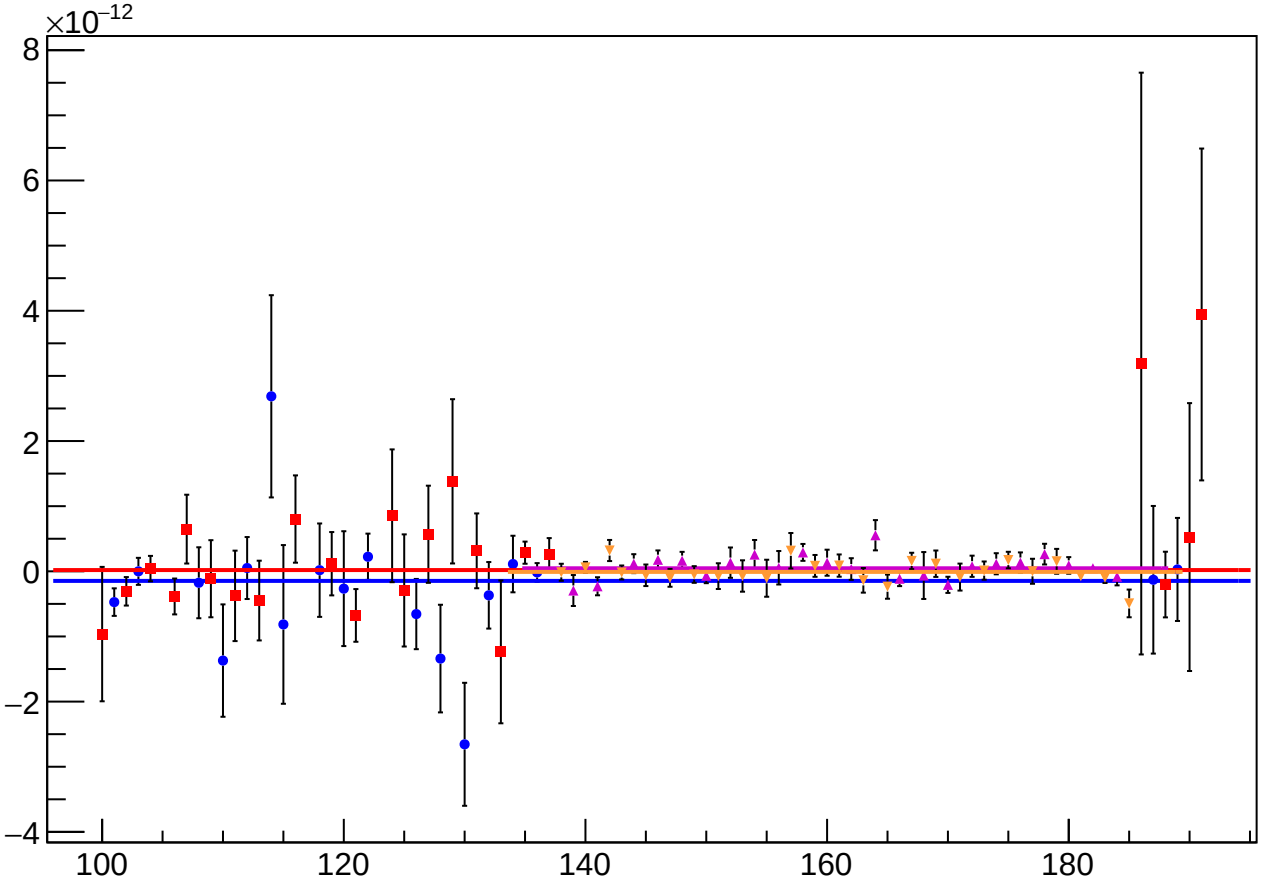
Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 455.465+/-0.067 χ^2/NDF: 5783957.5/42

All: 416.576+/-0.044 χ^2/NDF: 15972068.5/88

- sign 386.051+/-0.059 χ^2/NDF: 9583776.6/45

asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 21.3/17

Left Out: -0.000+/-0.000 χ^2/NDF:22.1/24

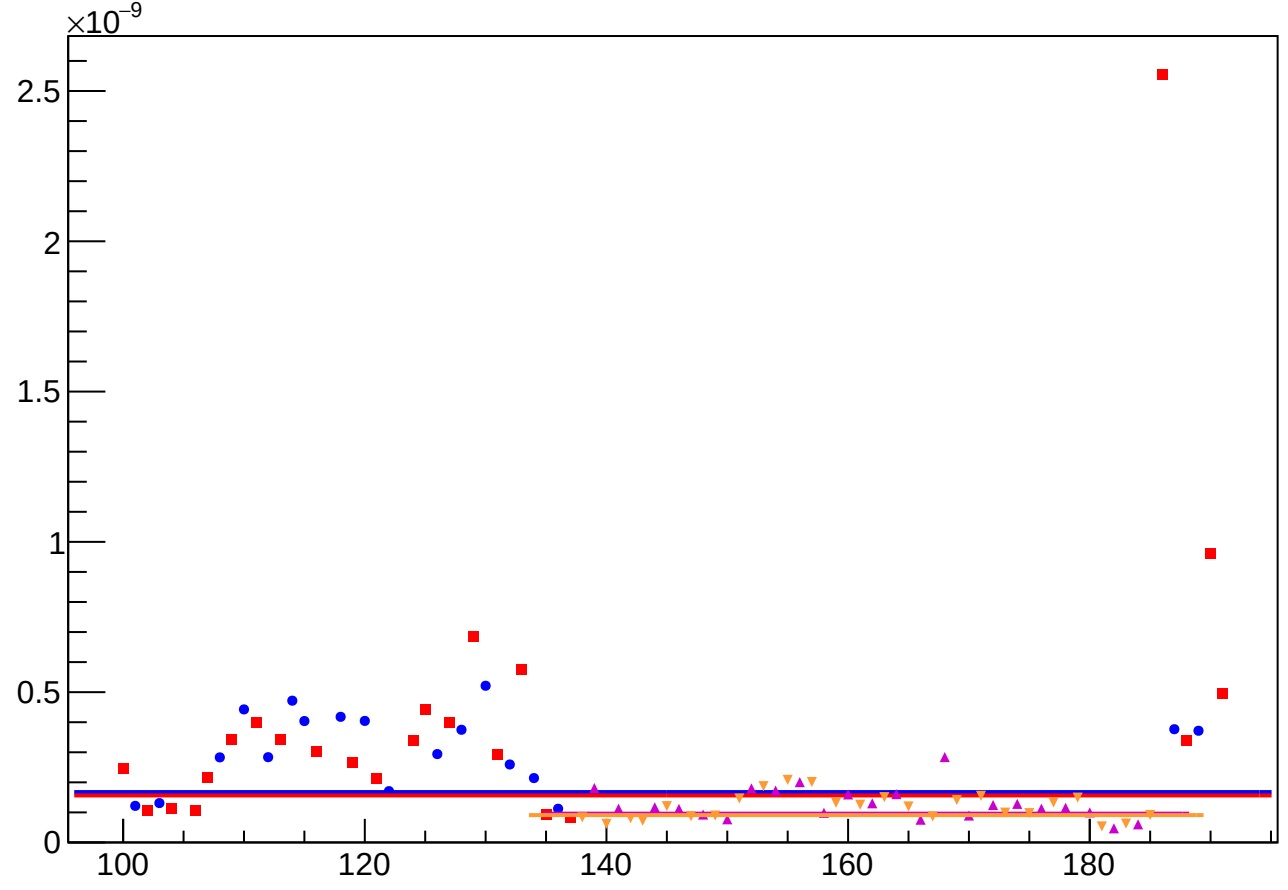
Right Out: 0.000+/-0.000 χ^2/NDF: 22.6/22

Left In: 0.000+/-0.000 χ^2/NDF:28.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 45.7/42

All: 0.000+/-0.000 χ^2/NDF: 99.5/88

- sign 0.000+/-0.000 χ^2/NDF: 50.8/45



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: 4044227.6/22

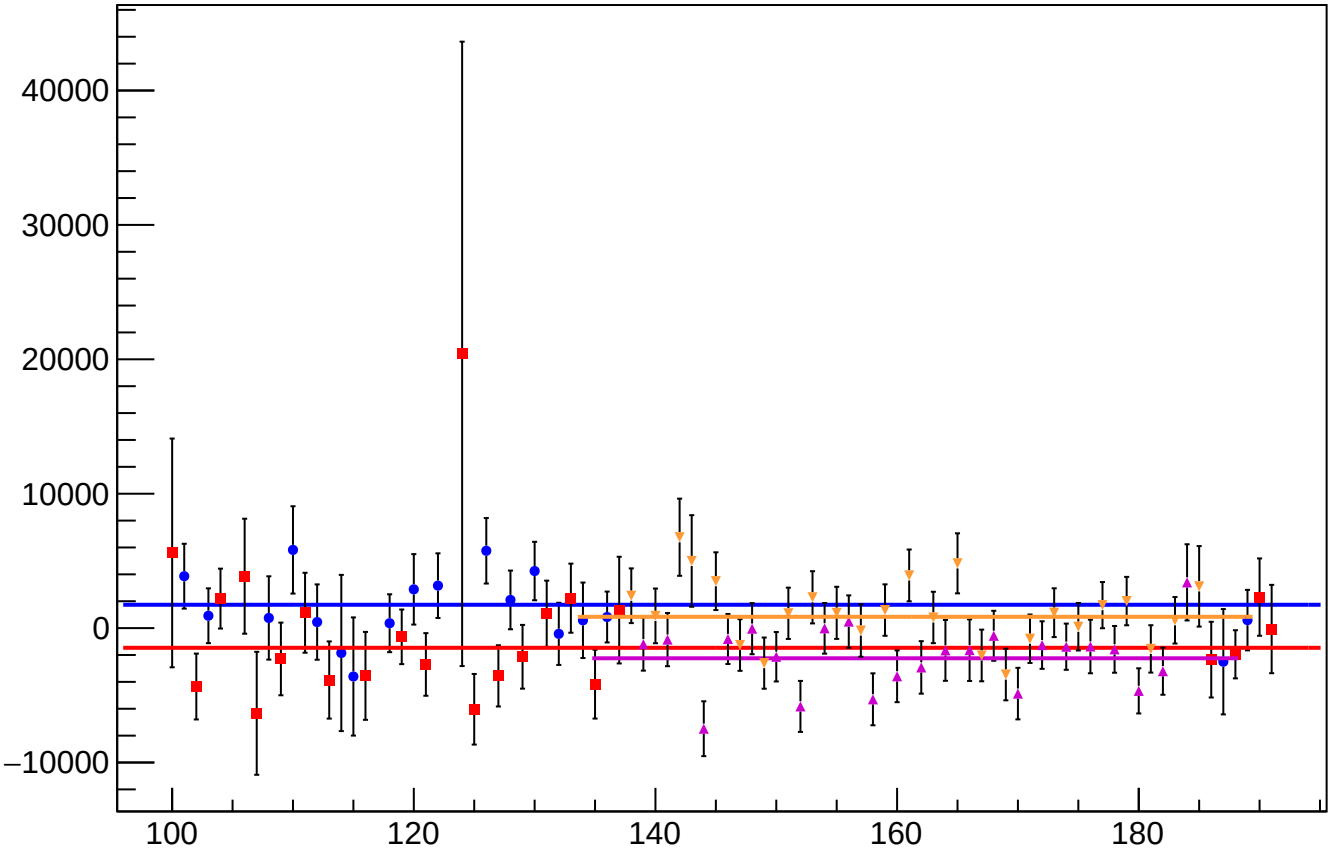
Left In: 0.000+/-0.000 χ^2/NDF:3905784.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 7008414.5/42

All: 0.000+/-0.000 χ^2/NDF: 15951118.2/88

- sign 0.000+/-0.000 χ^2/NDF: 8914756.2/45

reg_asym_atl_avg_mean vs Slug



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: -1464.685+/-570.217 χ^2/NDF: 21.5/22

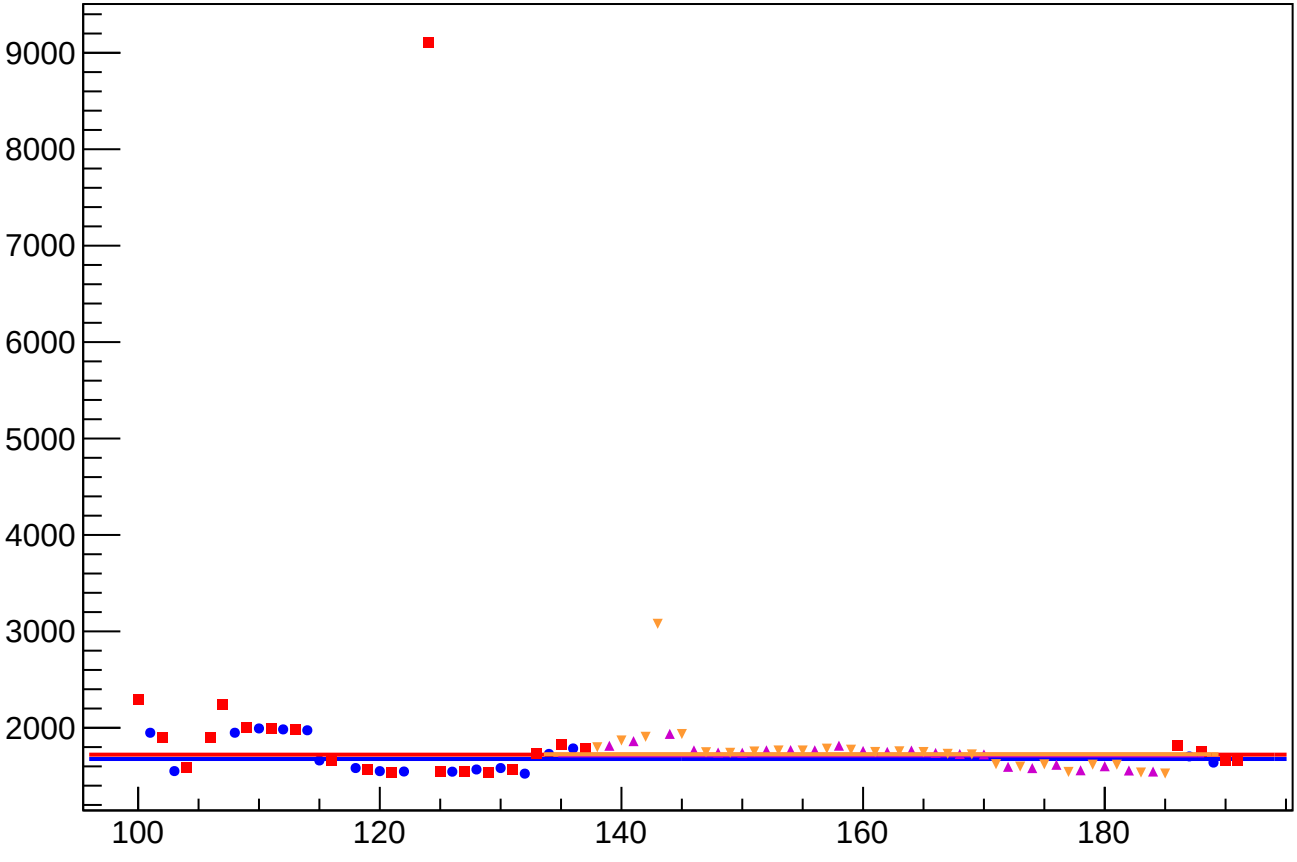
Left In: -2245.041+/-400.753 χ^2/NDF:29.4/22

+ sign 1113.249+/-329.217 χ^2/NDF: 44.4/42

All: -443.215+/-232.316 χ^2/NDF: 141.1/88

- sign -1987.033+/-327.877 χ^2/NDF: 52.2/45

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: 1721.625+/-0.402 χ^2/NDF: 387567.6/22

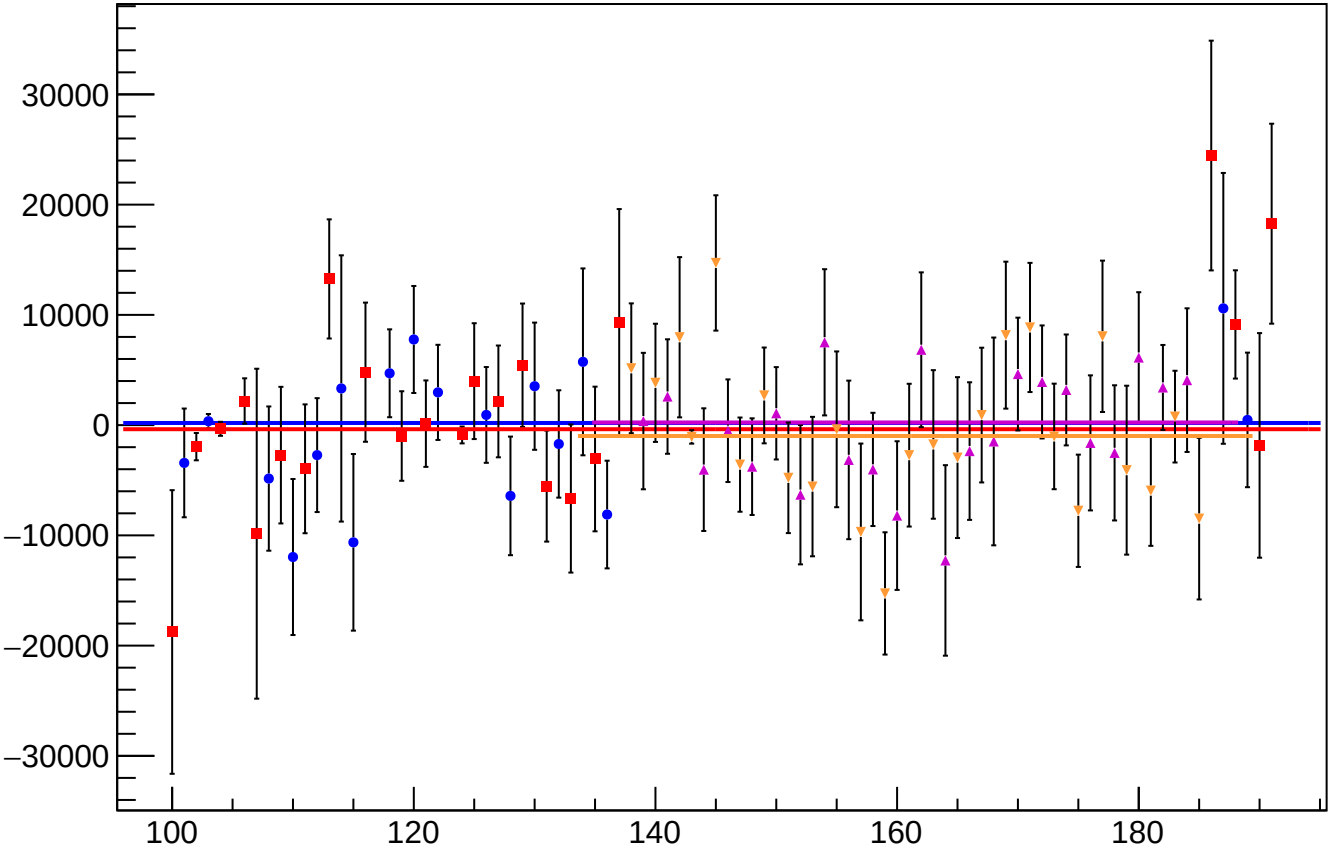
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1710.980+/-0.233 χ^2/NDF: 606704.3/42

All: 1713.488+/-0.164 χ^2/NDF: 1124090.3/88

- sign 1715.970+/-0.232 χ^2/NDF: 517155.0/45

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: -370.383+/-422.032 χ^2/NDF: 32.3/22

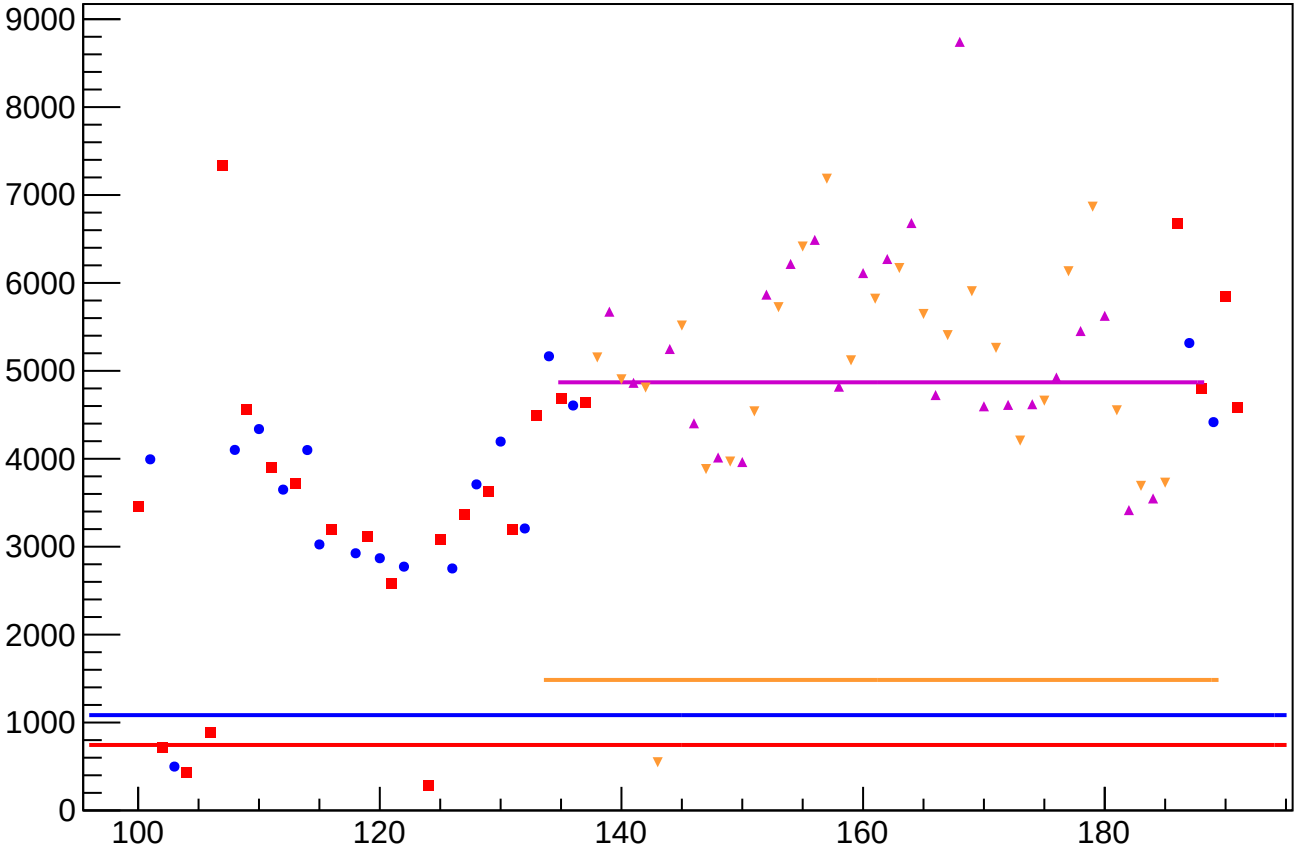
Left In: 239.582+/-1165.046 χ^2/NDF:13.5/22

\+ sign -445.353+/-398.278 χ^2/NDF: 49.6/42

All: -372.219+/-281.101 χ^2/NDF: 95.7/88

\- sign -299.628+/-396.800 χ^2/NDF: 46.1/45

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

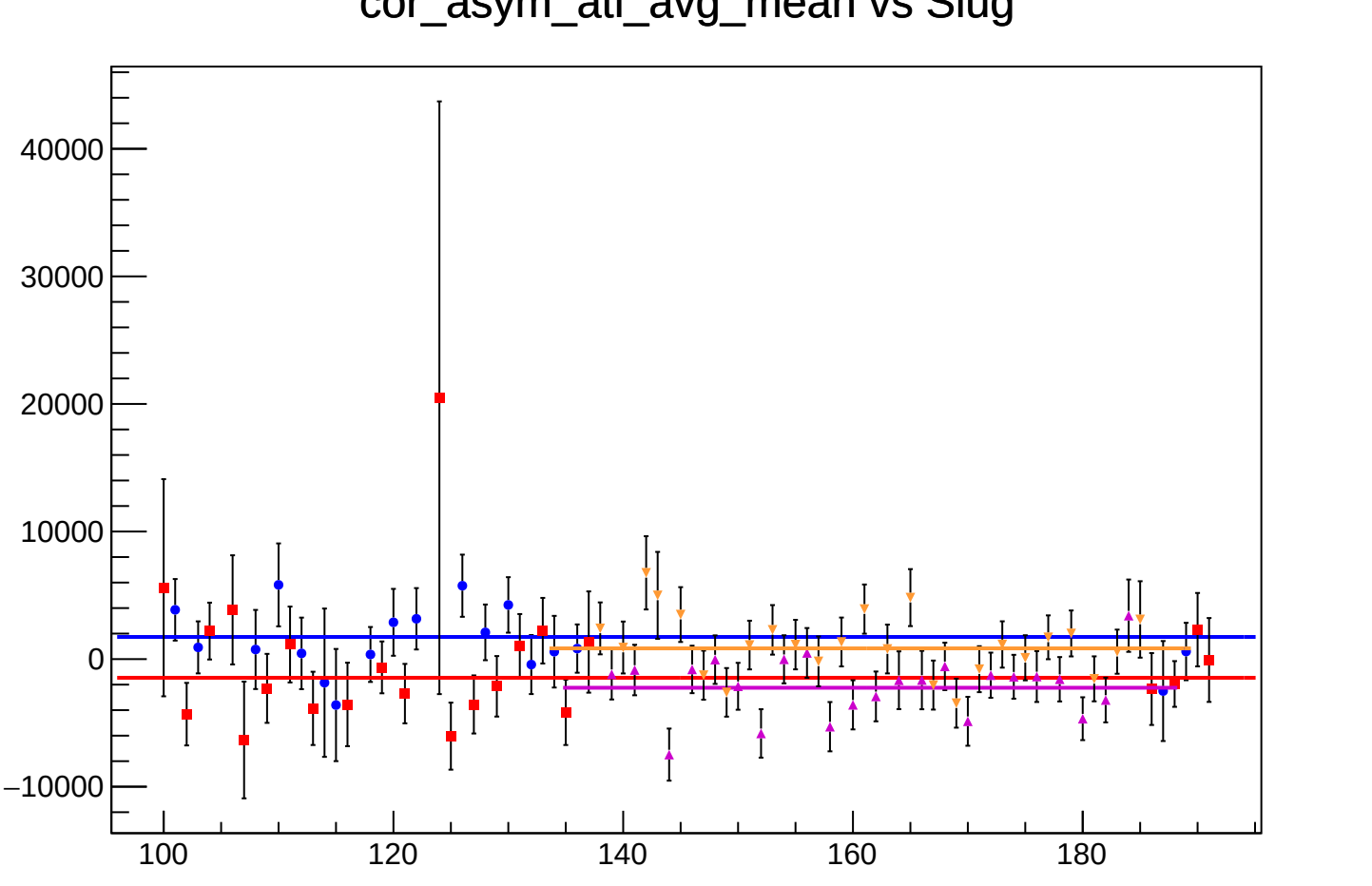
Right Out: 744.847+/-0.298 χ^2/NDF: 11542263.5/22

Left In: 4869.707+/-0.824 χ^2/NDF:1474225.9/22

+ sign 1301.007+/-0.282 χ^2/NDF: 32681891.5/42

All: 1262.024+/-0.199 χ^2/NDF: 67898836.6/8

- sign 1223.330+/-0.281 χ^2/NDF: 35178766.2/45



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: -1462.728+/-570.221 χ^2/NDF: 21.5/22

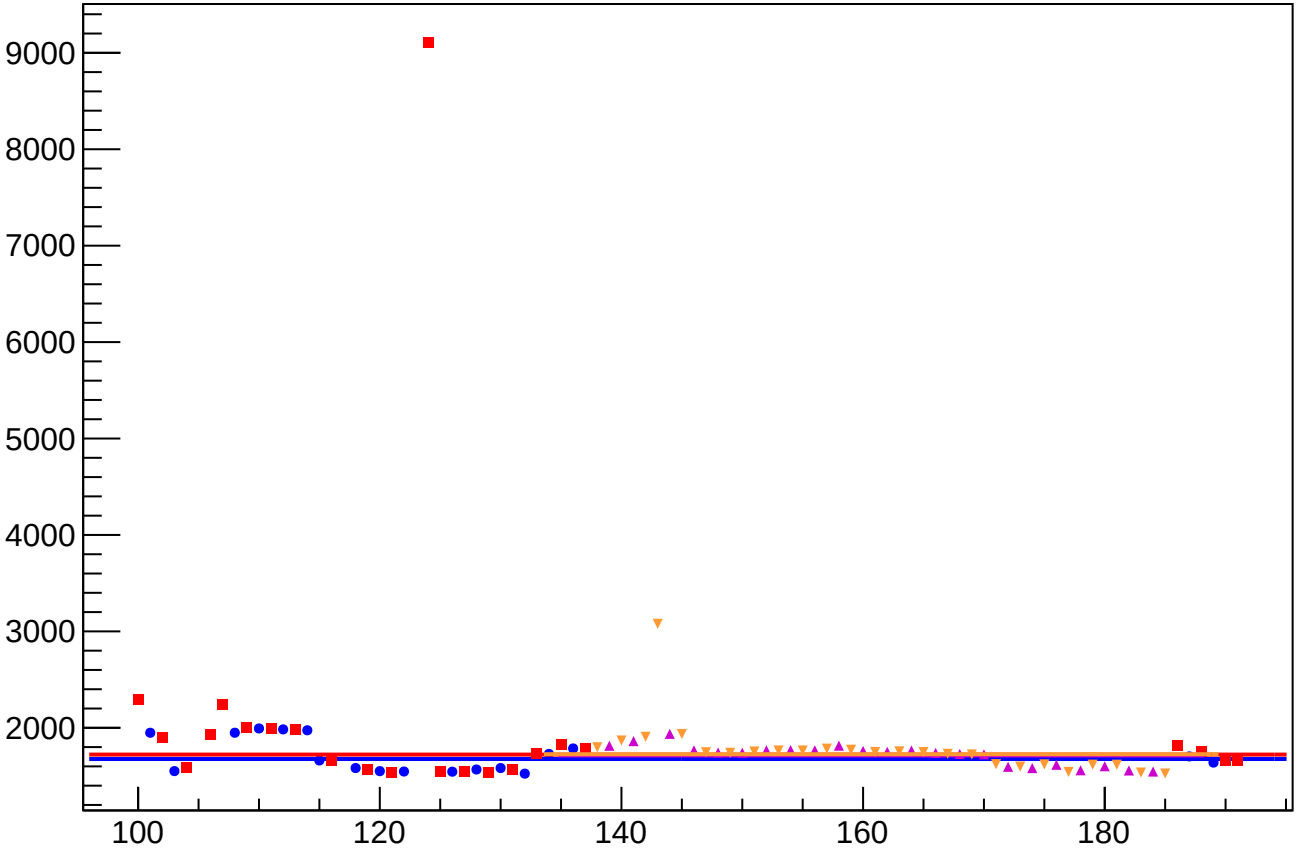
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1113.288+/-329.217 χ^2/NDF: 44.4/42

All: -442.875+/-232.317 χ^2/NDF: 141.0/88

- sign -1986.401+/-327.878 χ^2/NDF: 52.2/45

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: 1722.286+/-0.402 χ^2/NDF: 389284.2/22

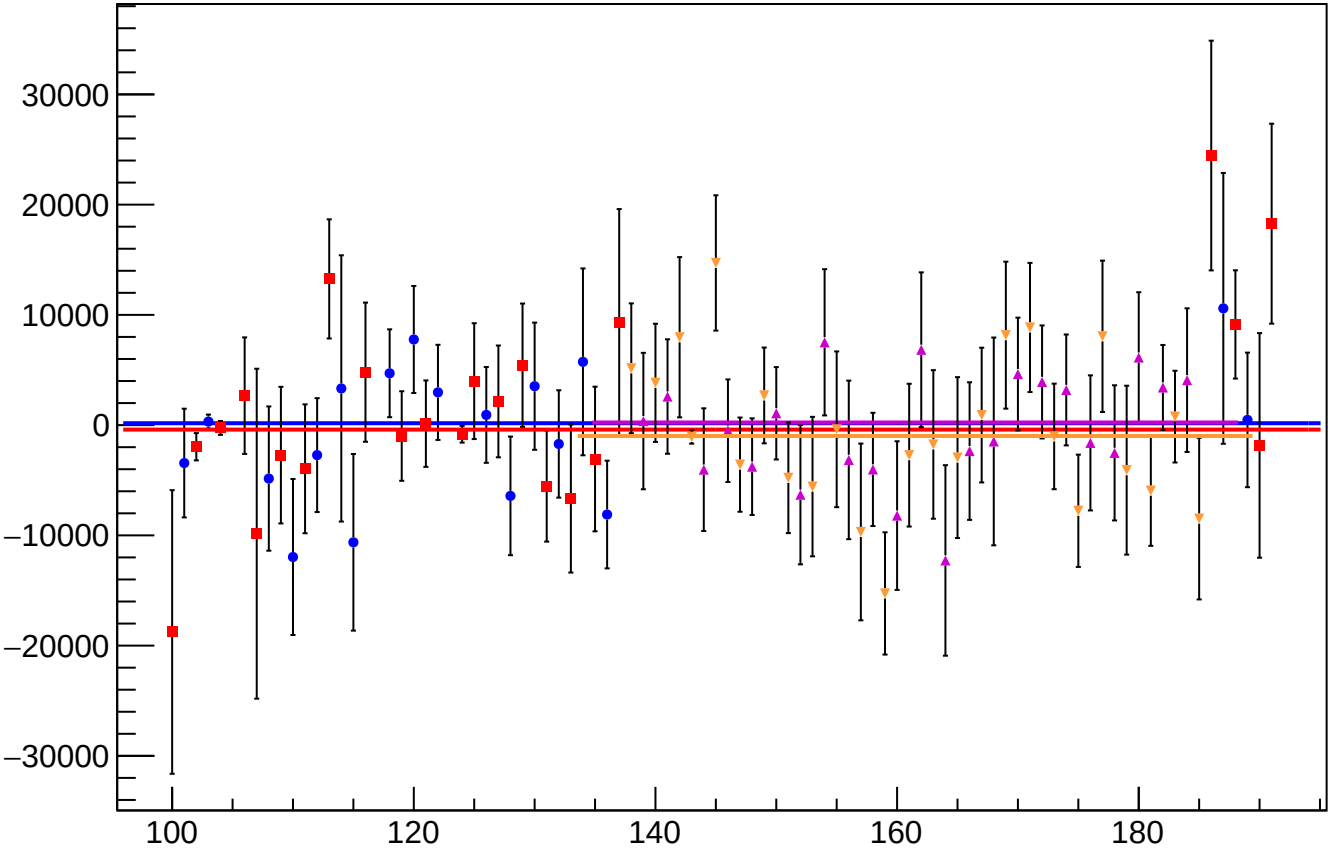
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1710.980+/-0.233 χ^2/NDF: 606704.4/42

All: 1713.598+/-0.164 χ^2/NDF: 1125875.5/88

- sign 1716.188+/-0.232 χ^2/NDF: 518919.6/45

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: -406.103+/-427.757 χ^2/NDF: 31.1/22

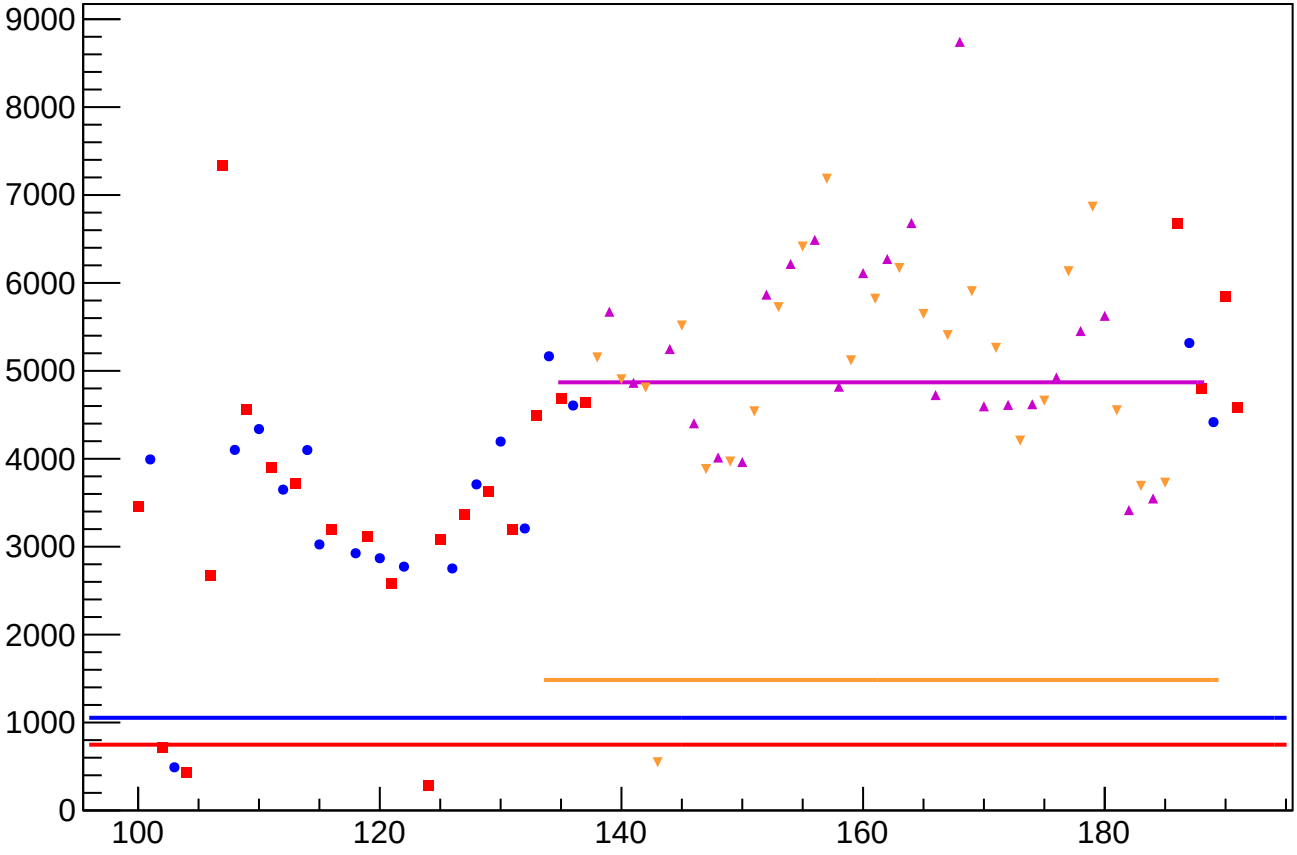
Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

+ sign -443.611+/-394.469 χ^2/NDF: 49.5/42

All: -387.527+/-281.401 χ^2/NDF: 94.4/88

- sign -329.413+/-401.547 χ^2/NDF: 44.9/45

asym_atl_avg_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: 748.120+/-0.302 χ^2/NDF: 11817886.6/22

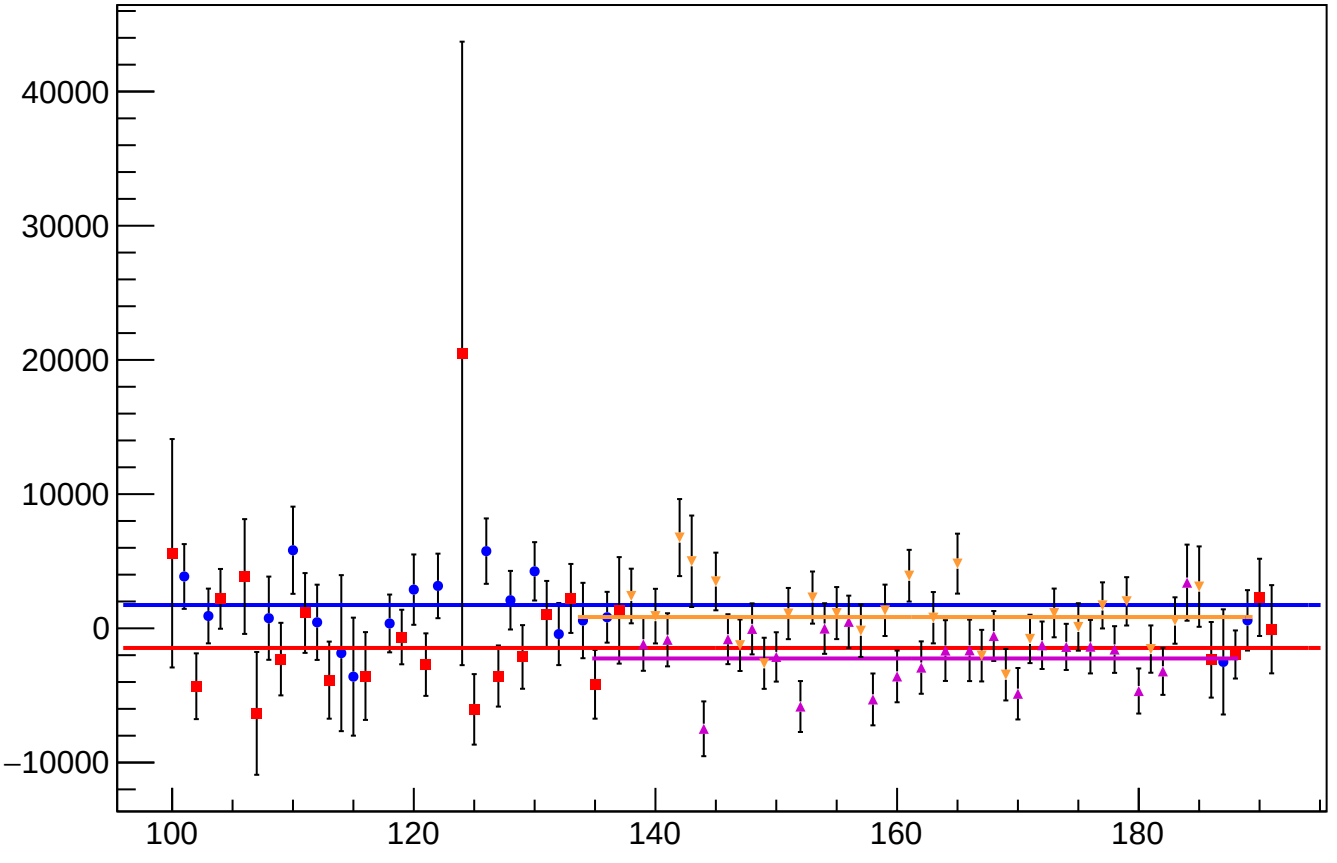
Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1282.617+/-0.279 χ^2/NDF: 32899560.8/42

All: 1260.573+/-0.199 χ^2/NDF: 68261619.7/8

- sign 1237.730+/-0.284 χ^2/NDF: 35349340.8/45

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: -1462.728+/-570.221 χ^2/NDF: 21.5/22

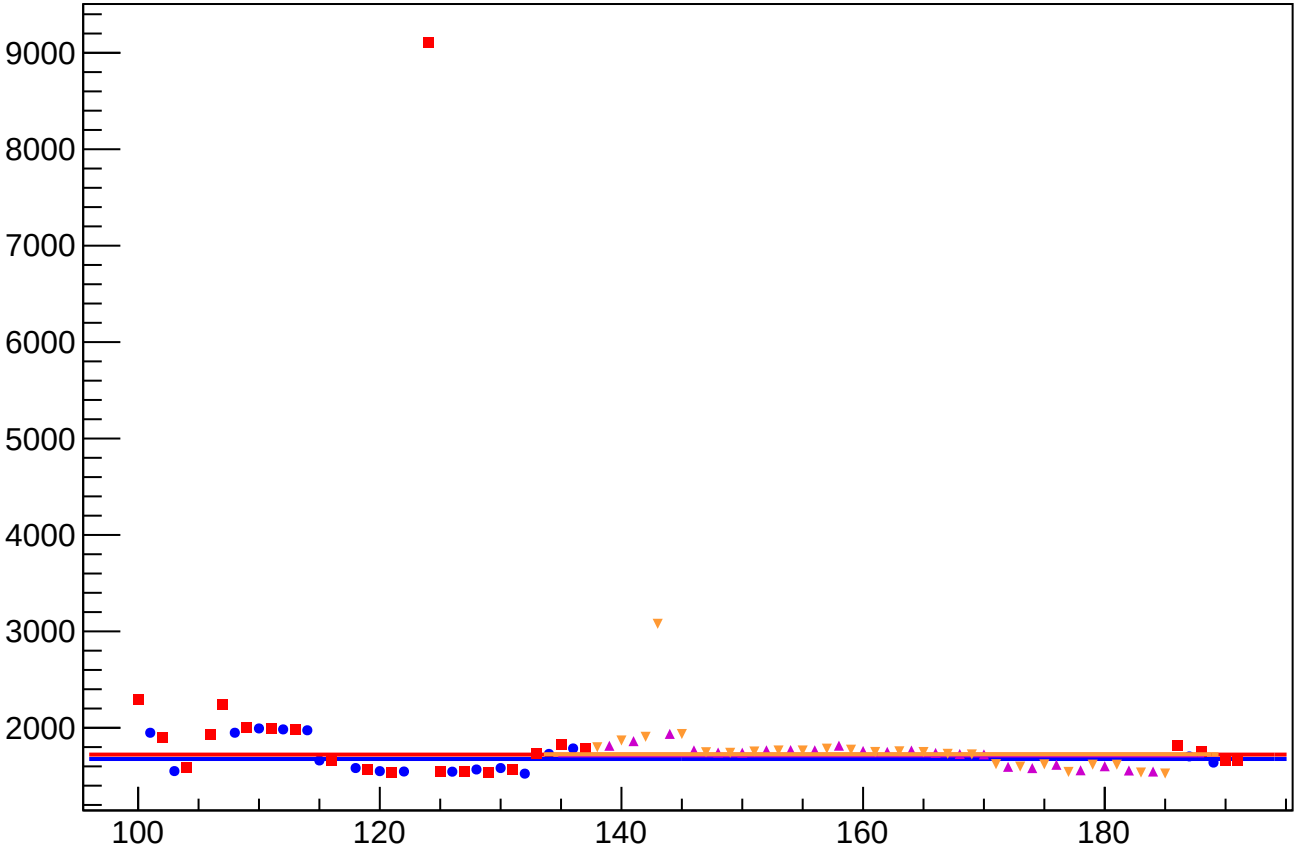
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1113.288+/-329.217 χ^2/NDF: 44.4/42

All: -442.875+/-232.317 χ^2/NDF: 141.0/88

- sign -1986.401+/-327.878 χ^2/NDF: 52.2/45

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

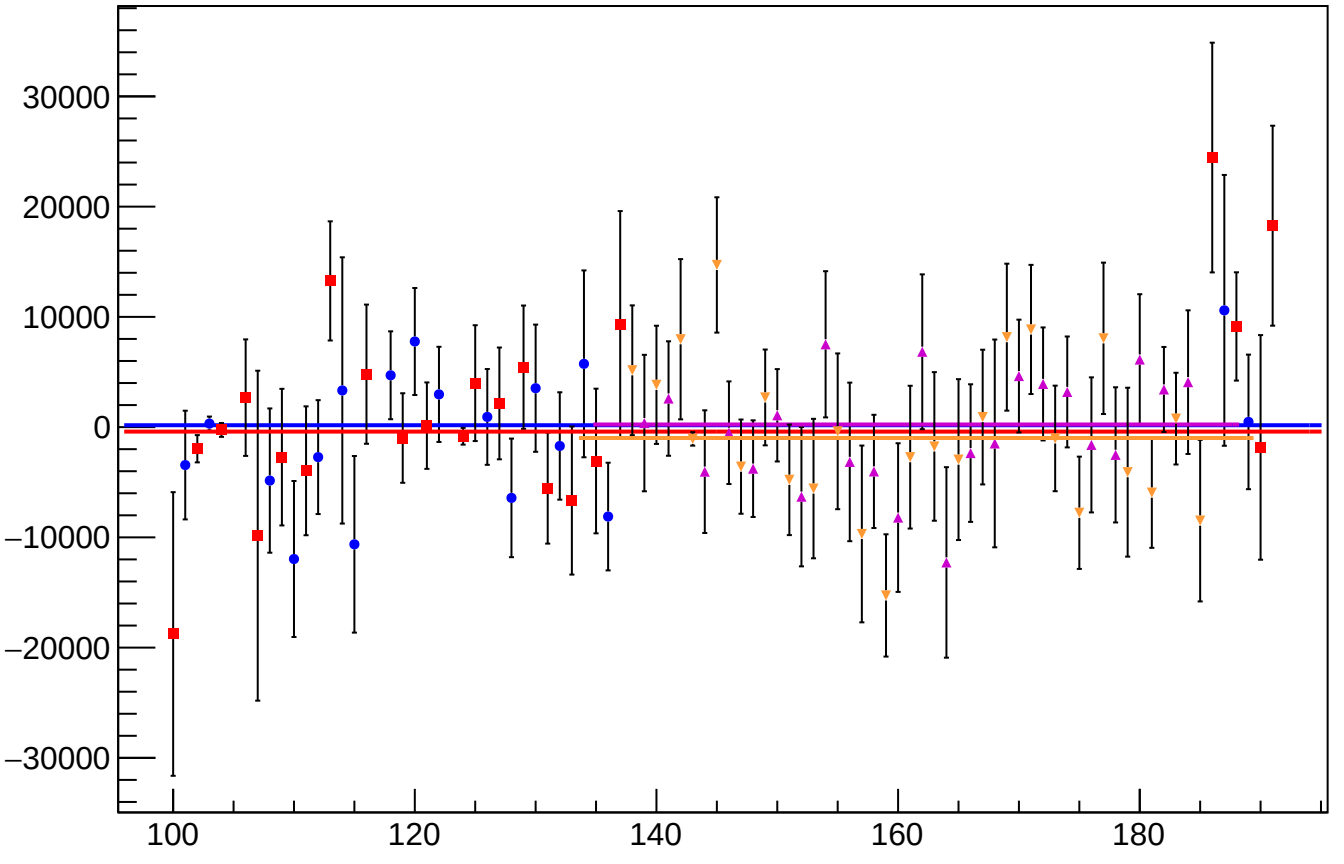
Right Out: 1722.286+/-0.402 χ^2/NDF: 389284.2/22

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1710.980+/-0.233 χ^2/NDF: 606704.4/42

All: 1713.598+/-0.164 χ^2/NDF: 1125875.5/88

- sign 1716.188+/-0.232 χ^2/NDF: 518919.6/45



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: -406.103+/-427.757 χ^2/NDF: 31.1/22

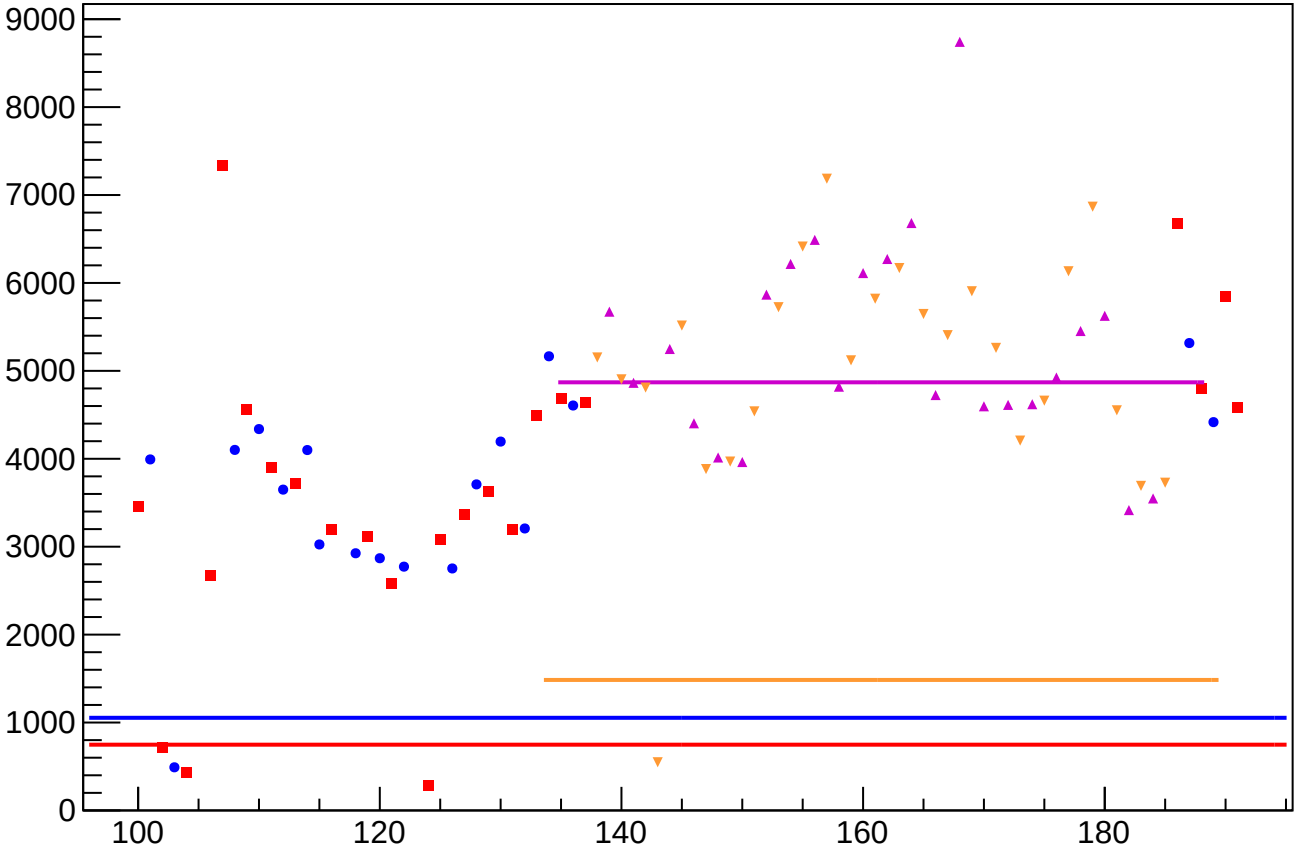
Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

\+ sign -443.611+/-394.469 χ^2/NDF: 49.5/42

All: -387.527+/-281.401 χ^2/NDF: 94.4/88

\- sign -329.413+/-401.547 χ^2/NDF: 44.9/45

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: 748.120+/-0.302 χ^2/NDF: 11817886.6/22

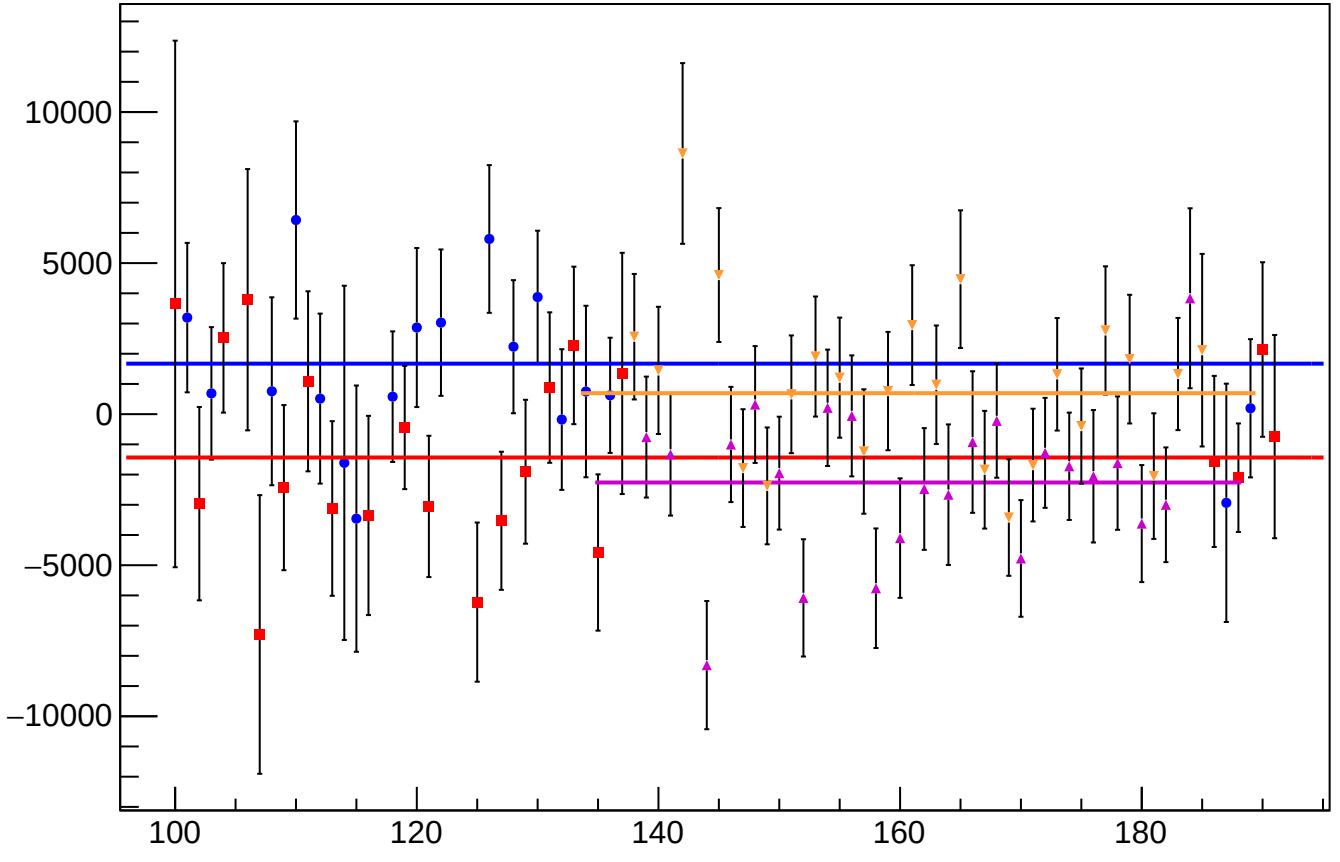
Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1282.617+/-0.279 χ^2/NDF: 32899560.8/42

All: 1260.573+/-0.199 χ^2/NDF: 68261619.7/8

- sign 1237.730+/-0.284 χ^2/NDF: 35349340.8/45

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: -1434.739+/-584.100 χ^2/NDF: 19.2/21

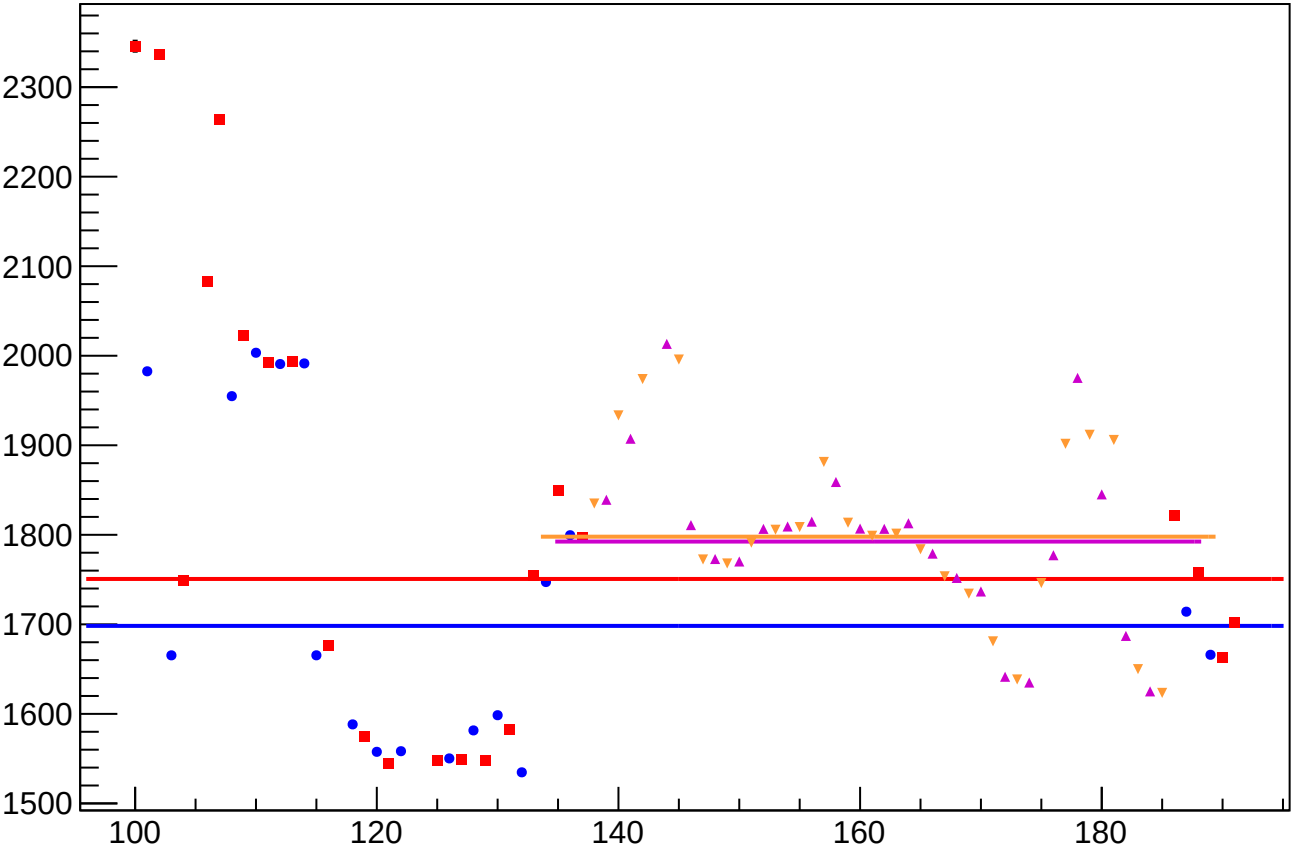
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1009.637+/-344.089 χ^2/NDF: 46.1/41

All: -500.925+/-242.049 χ^2/NDF: 135.2/86

- sign -1980.626+/-340.556 χ^2/NDF: 50.9/44

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

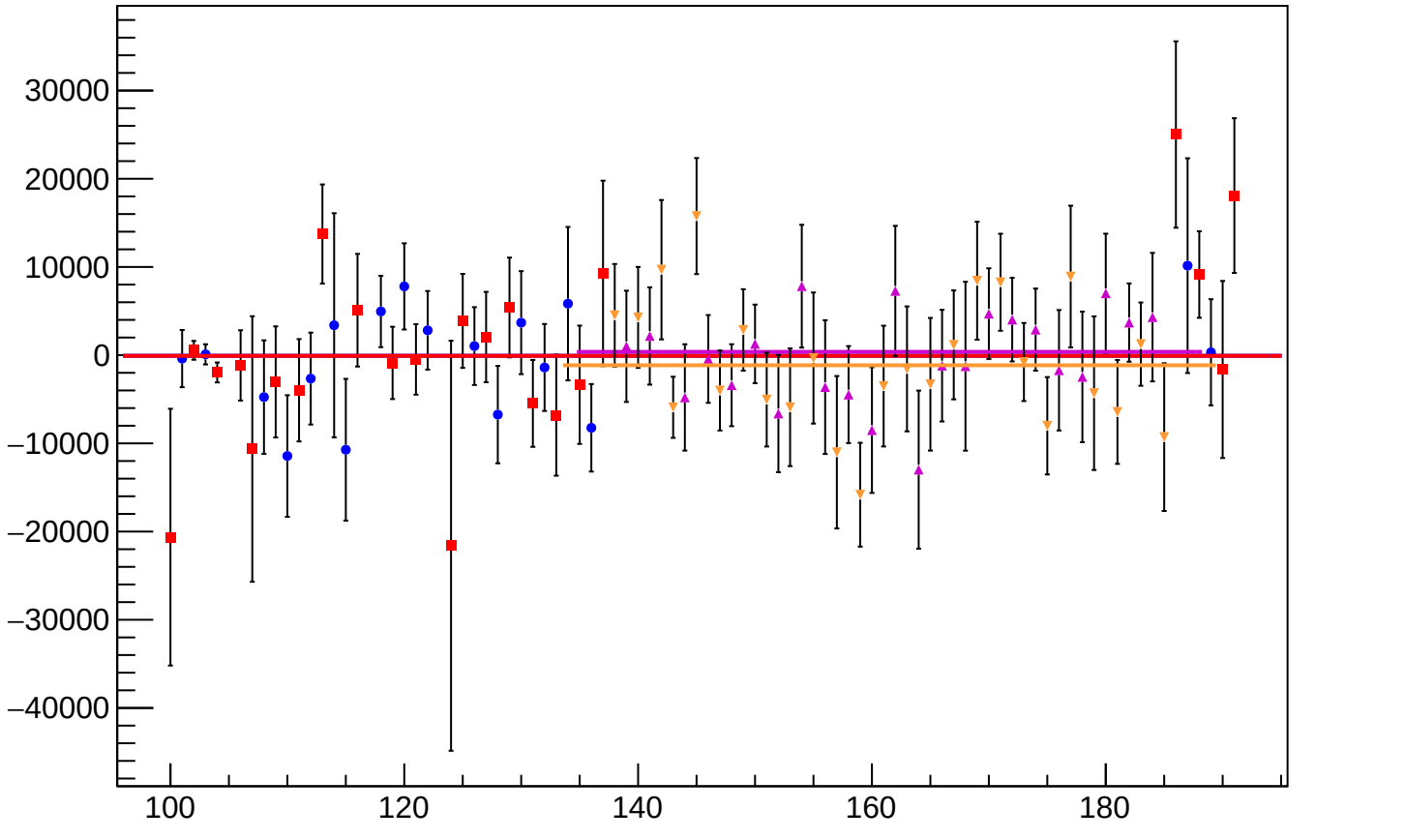
Right Out: 1750.691+/-0.412 χ^2/NDF: 251508.3/21

Left In: 1792.450+/-0.296 χ^2/NDF:92875.2/22

+ sign 1765.773+/-0.243 χ^2/NDF: 270516.4/41

All: 1772.065+/-0.171 χ^2/NDF: 622986.6/86

- sign 1778.221+/-0.241 χ^2/NDF: 351147.1/44



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: -77.142+/-667.938 χ^2/NDF: 32.3/22

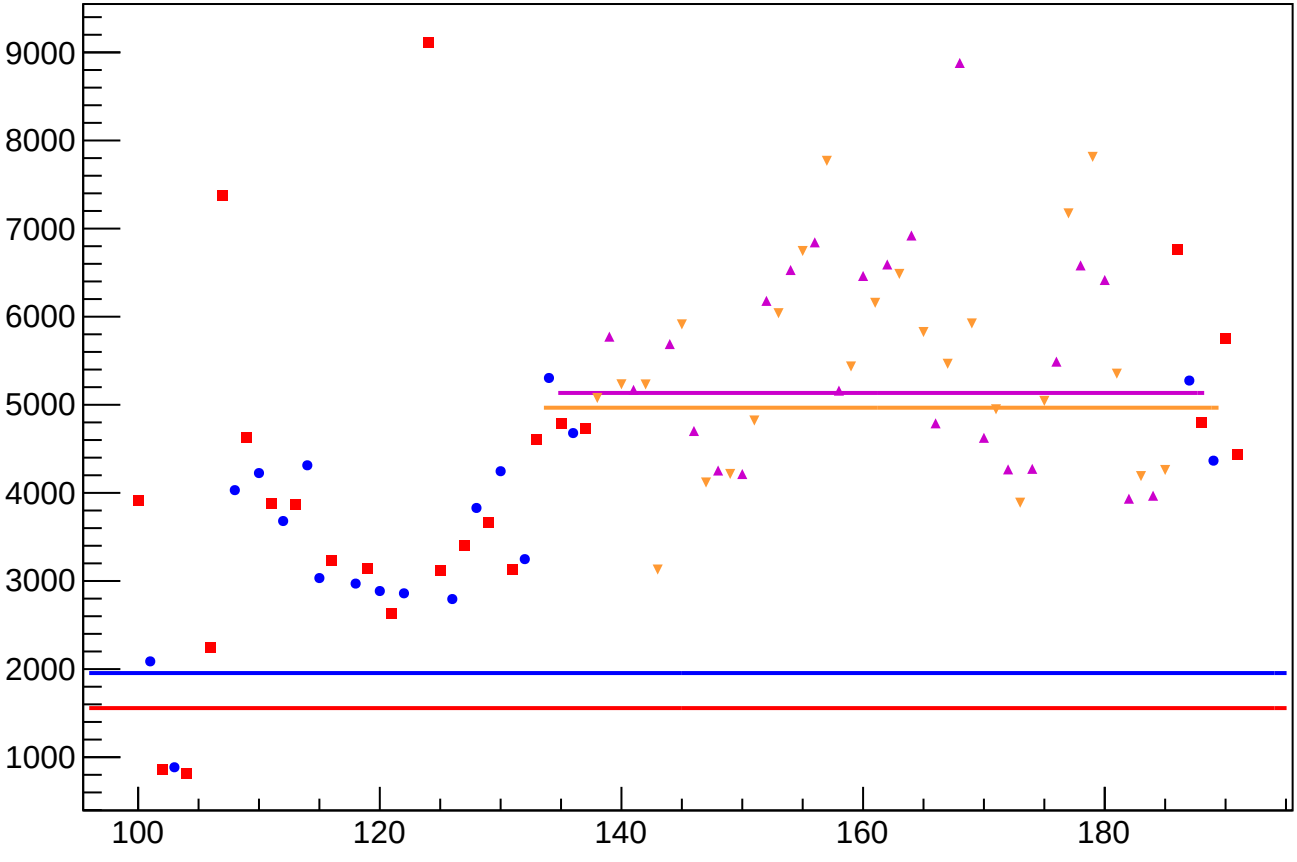
Left In: 374.927+/-1228.699 χ^2/NDF:13.3/22

+ sign -444.343+/-690.035 χ^2/NDF: 48.9/42

All: -171.416+/-447.034 χ^2/NDF: 94.9/88

- sign 25.978+/-586.833 χ^2/NDF: 45.7/45

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: 1557.299+/-0.472 χ^2/NDF: 7953175.5/22

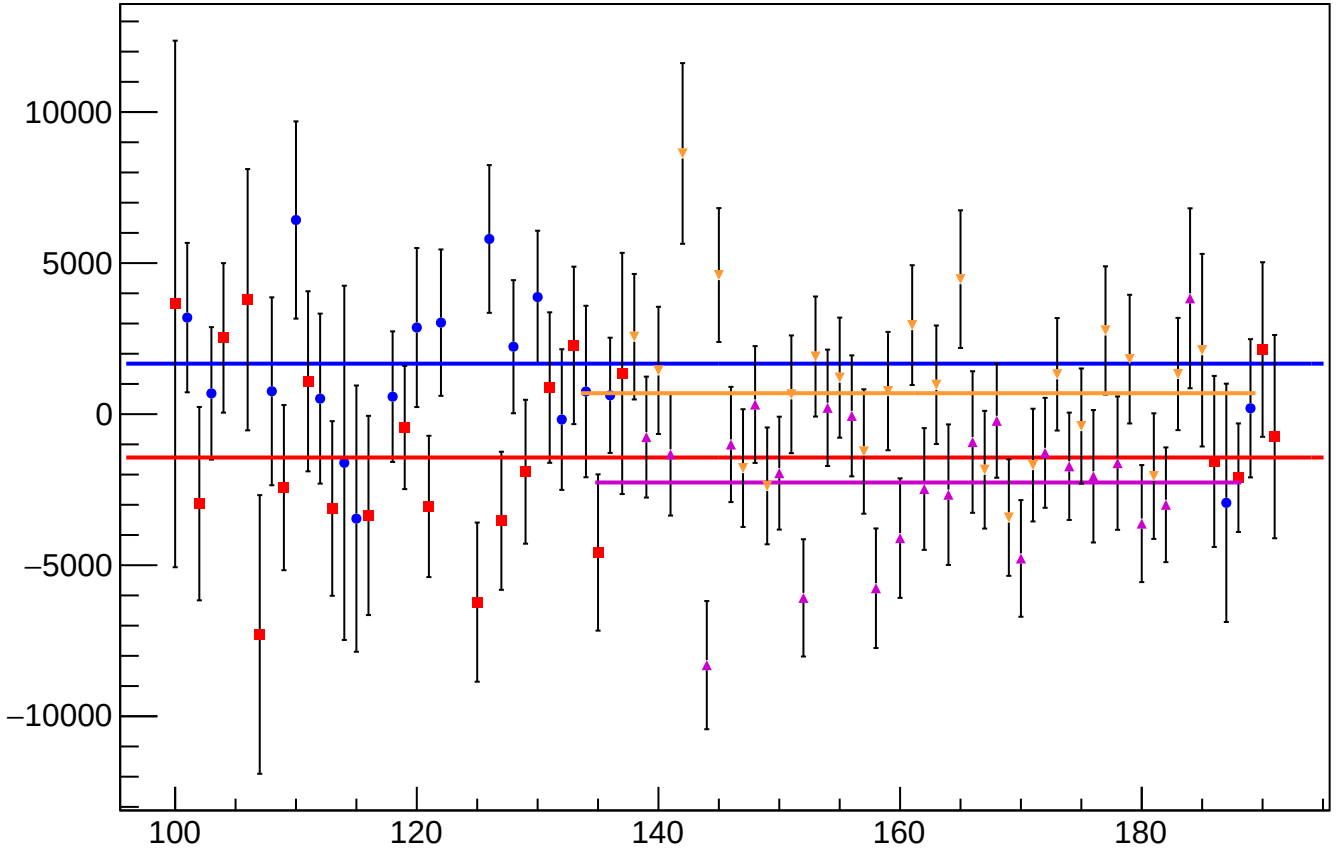
Left In: 5134.445+/-0.869 χ^2/NDF:1487075.9/22

+ sign 3012.592+/-0.488 χ^2/NDF: 15506997.1/42

All: 2641.594+/-0.316 χ^2/NDF: 39028387.6/8

- sign 2373.270+/-0.415 χ^2/NDF: 22525116.3/45

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: -1434.737+/-584.099 χ^2/NDF: 19.2/21

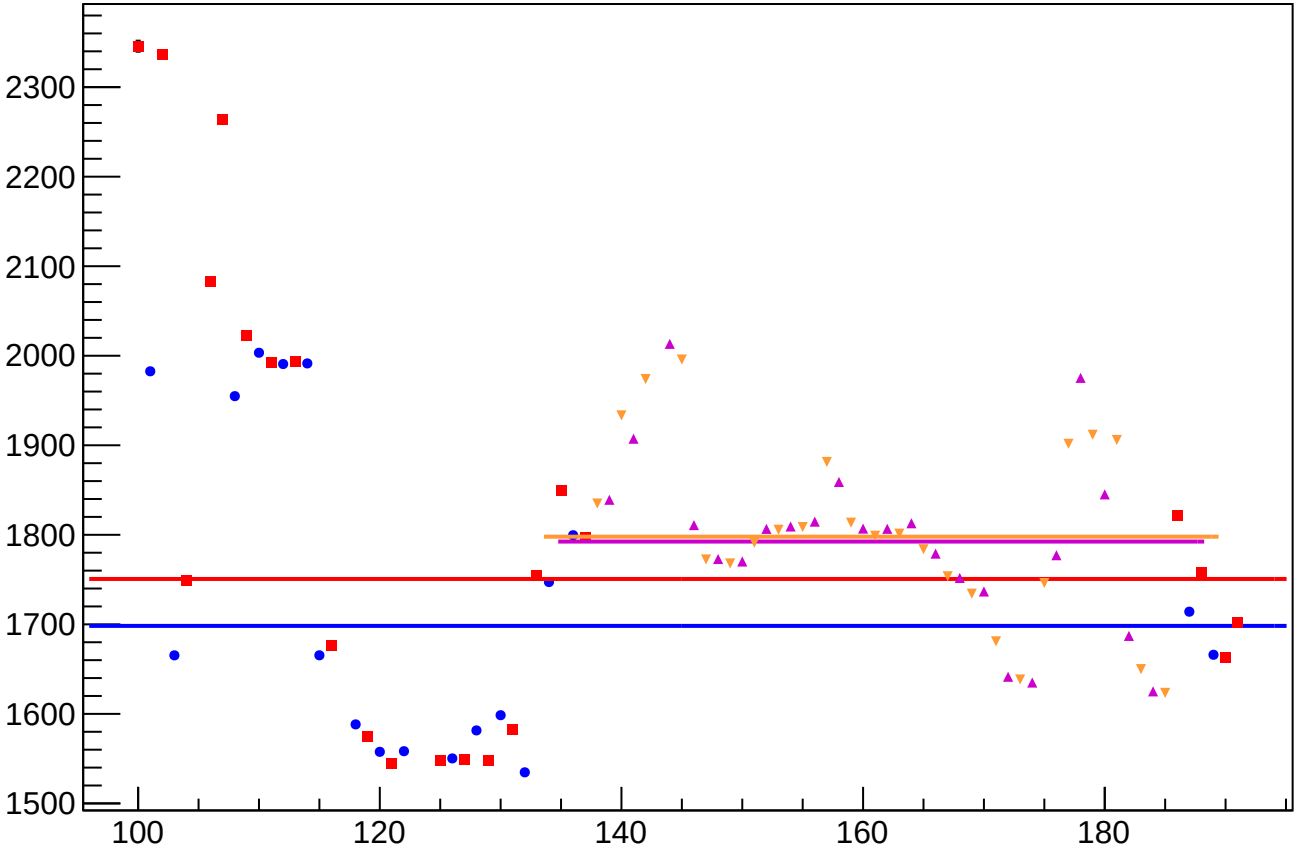
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1009.635+/-344.089 χ^2/NDF: 46.1/41

All: -500.926+/-242.049 χ^2/NDF: 135.2/86

- sign -1980.625+/-340.556 χ^2/NDF: 50.9/44

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

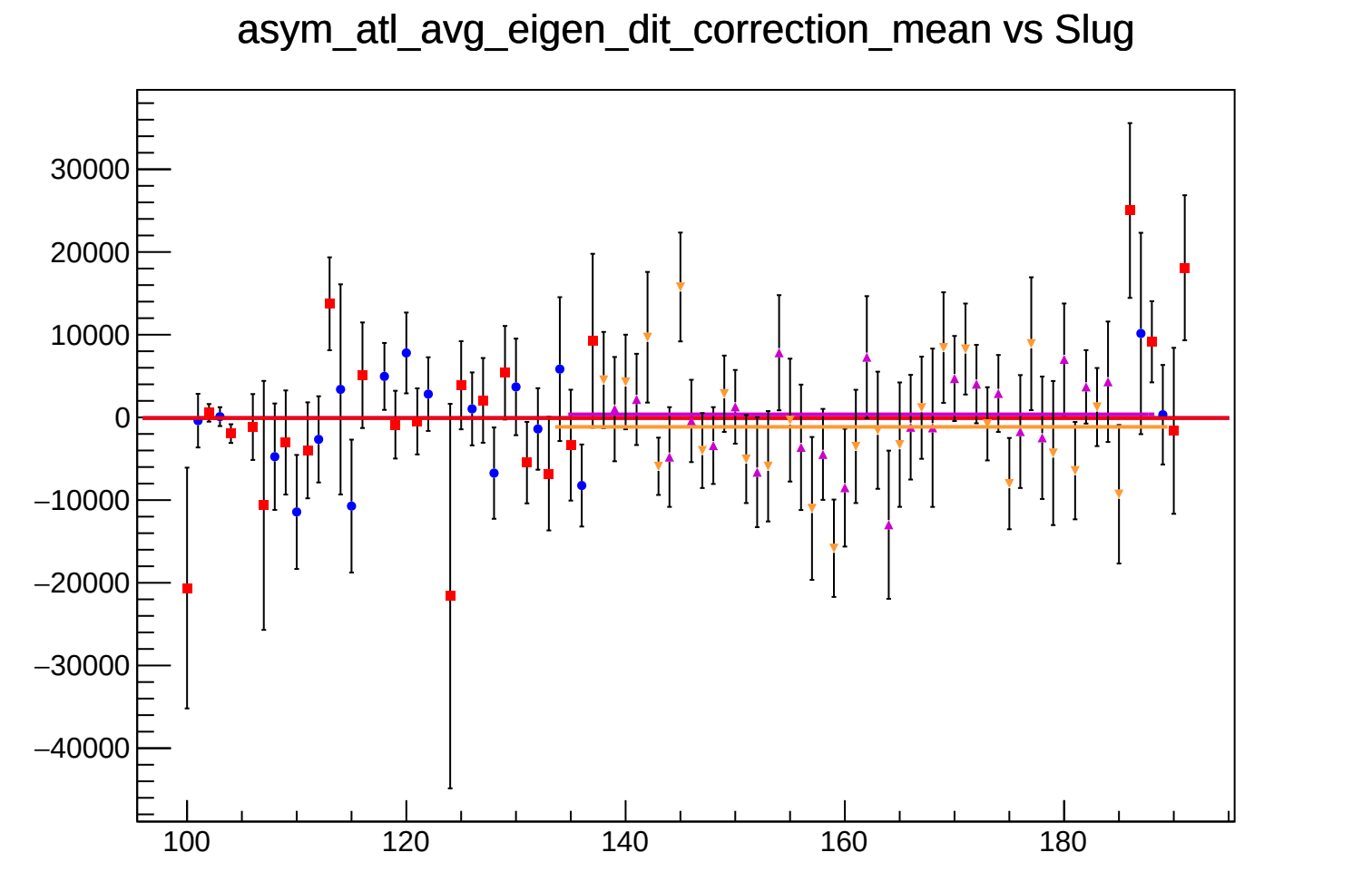
Right Out: 1750.690+/-0.412 χ^2/NDF: 251507.8/21

Left In: 1792.451+/-0.296 χ^2/NDF:92878.6/22

+ sign 1765.773+/-0.243 χ^2/NDF: 270521.2/41

All: 1772.066+/-0.171 χ^2/NDF: 622994.7/86

- sign 1778.222+/-0.241 χ^2/NDF: 351150.4/44



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: -77.146+/-667.933 χ^2/NDF: 32.3/22

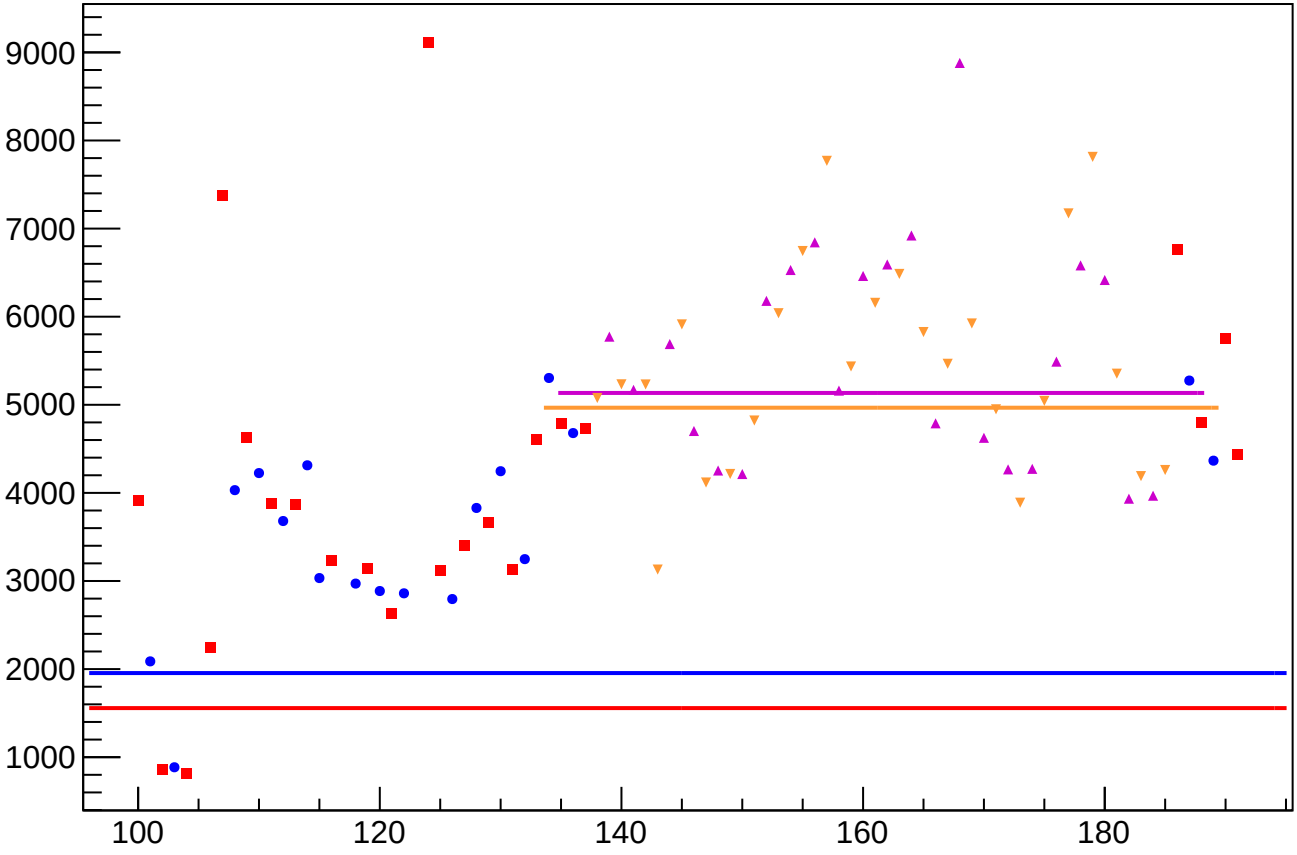
Left In: 374.928+/-1228.701 χ^2/NDF:13.3/22

+ sign -444.340+/-690.032 χ^2/NDF: 48.9/42

All: -171.417+/-447.032 χ^2/NDF: 94.9/88

- sign 25.974+/-586.830 χ^2/NDF: 45.7/45

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: 1557.284+/-0.472 χ^2/NDF: 7953225.8/22

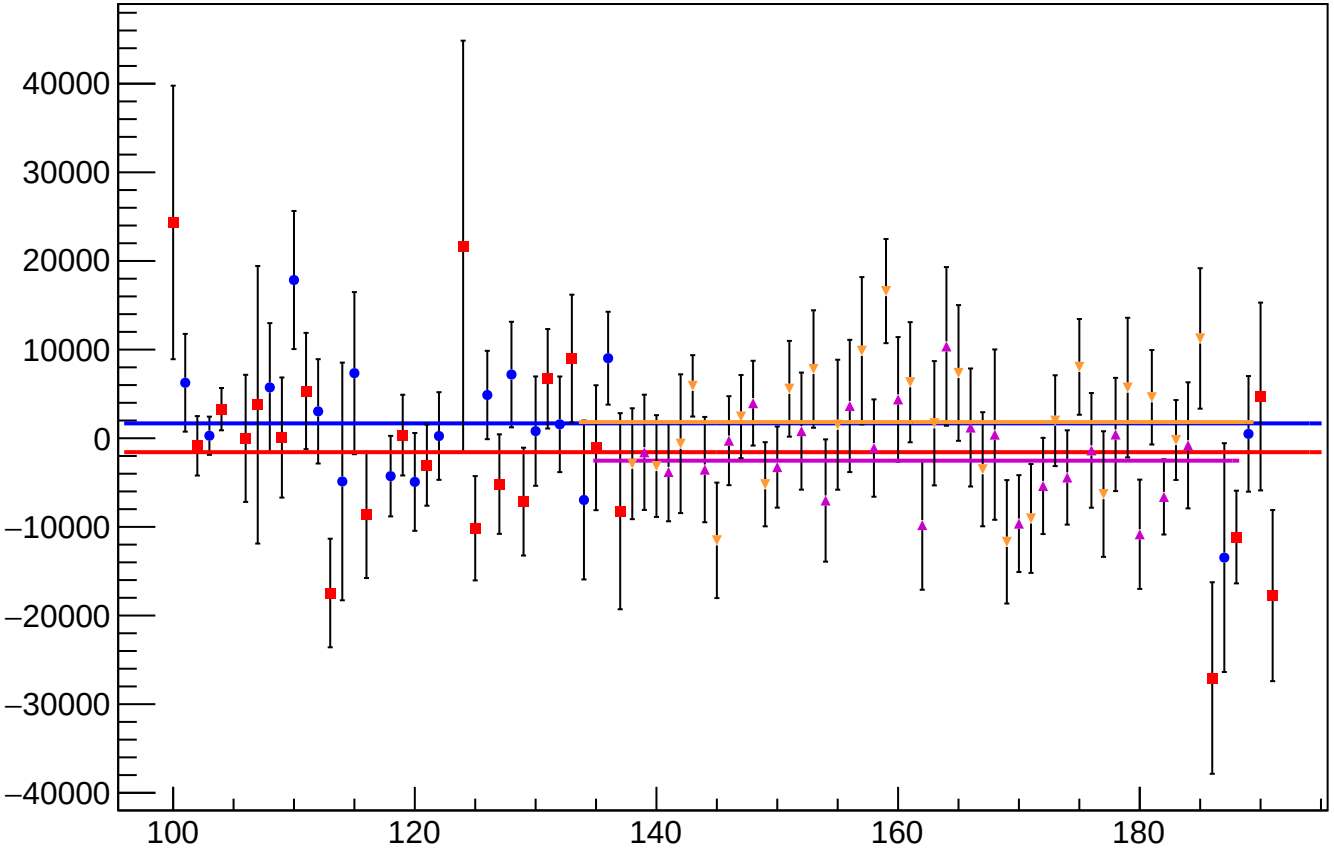
Left In: 5134.453+/-0.869 χ^2/NDF:1487077.8/22

+ sign 3012.572+/-0.488 χ^2/NDF: 15507207.1/42

All: 2641.573+/-0.316 χ^2/NDF: 39028842.3/8

- sign 2373.249+/-0.415 χ^2/NDF: 22525347.9/45

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: -1570.017+/-1183.816 χ^2/NDF: 37.5/22

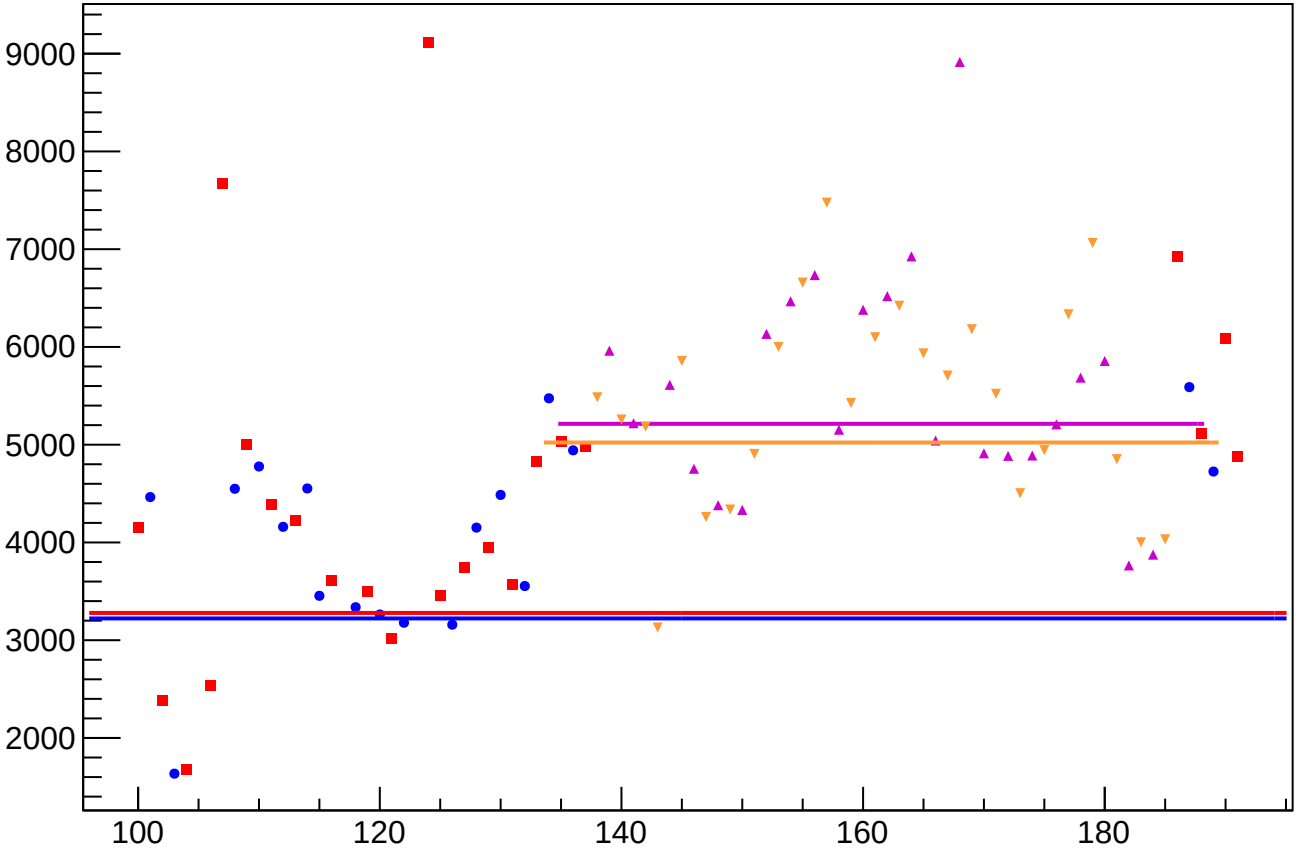
Left In: -2529.501+/-1242.040 χ^2/NDF:13.2/22

+ sign 1755.851+/-848.910 χ^2/NDF: 46.3/42

All: -117.665+/-603.085 χ^2/NDF: 107.1/88

- sign -2026.744+/-856.929 χ^2/NDF: 51.0/45

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: 3279.068+/-0.825 χ^2/NDF: 2610363.3/22

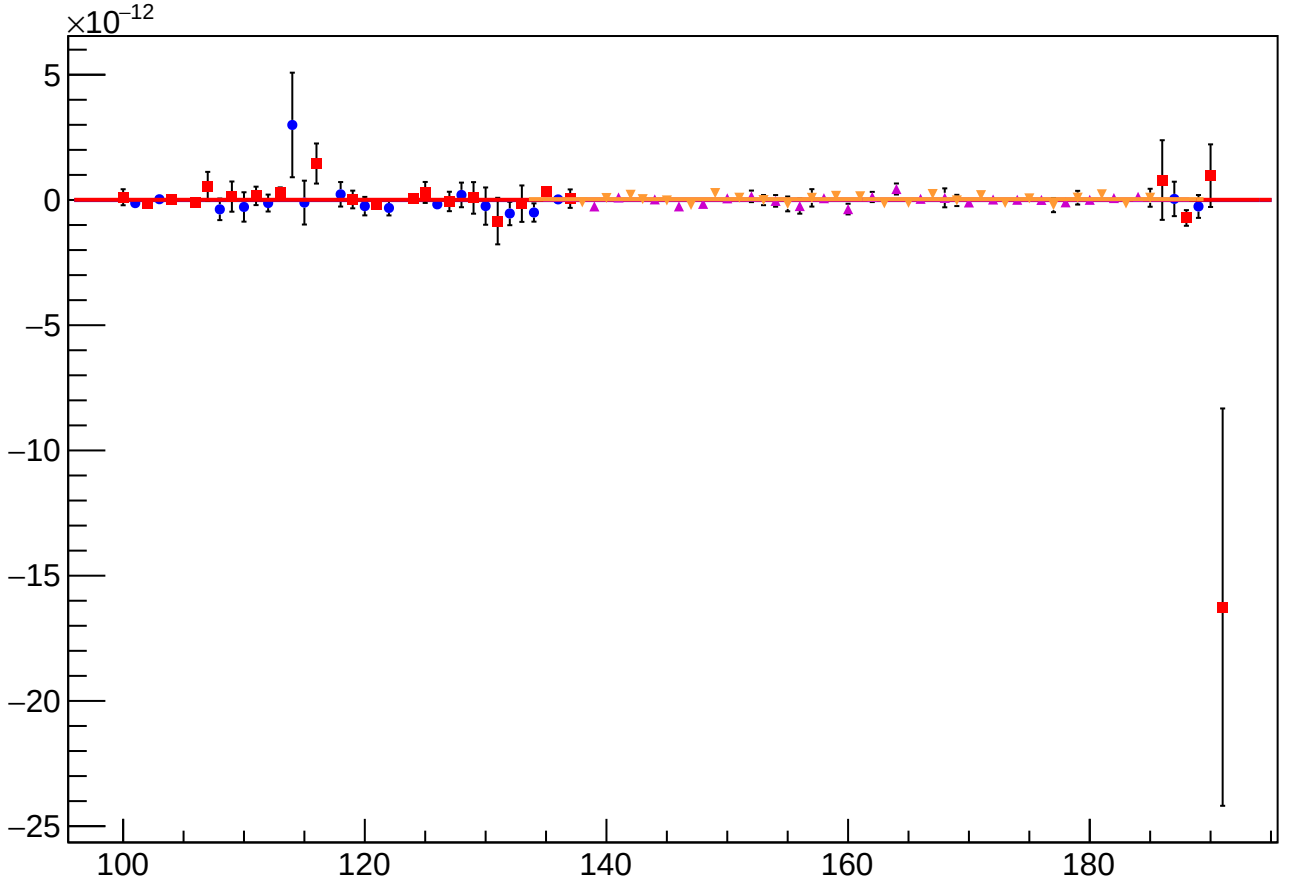
Left In: 5213.625+/-0.878 χ^2/NDF:1223192.9/22

+ sign 4166.132+/-0.600 χ^2/NDF: 5982974.7/42

All: 4176.124+/-0.425 χ^2/NDF: 12394062.7/8

- sign 4186.153+/-0.601 χ^2/NDF: 6410532.8/45

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

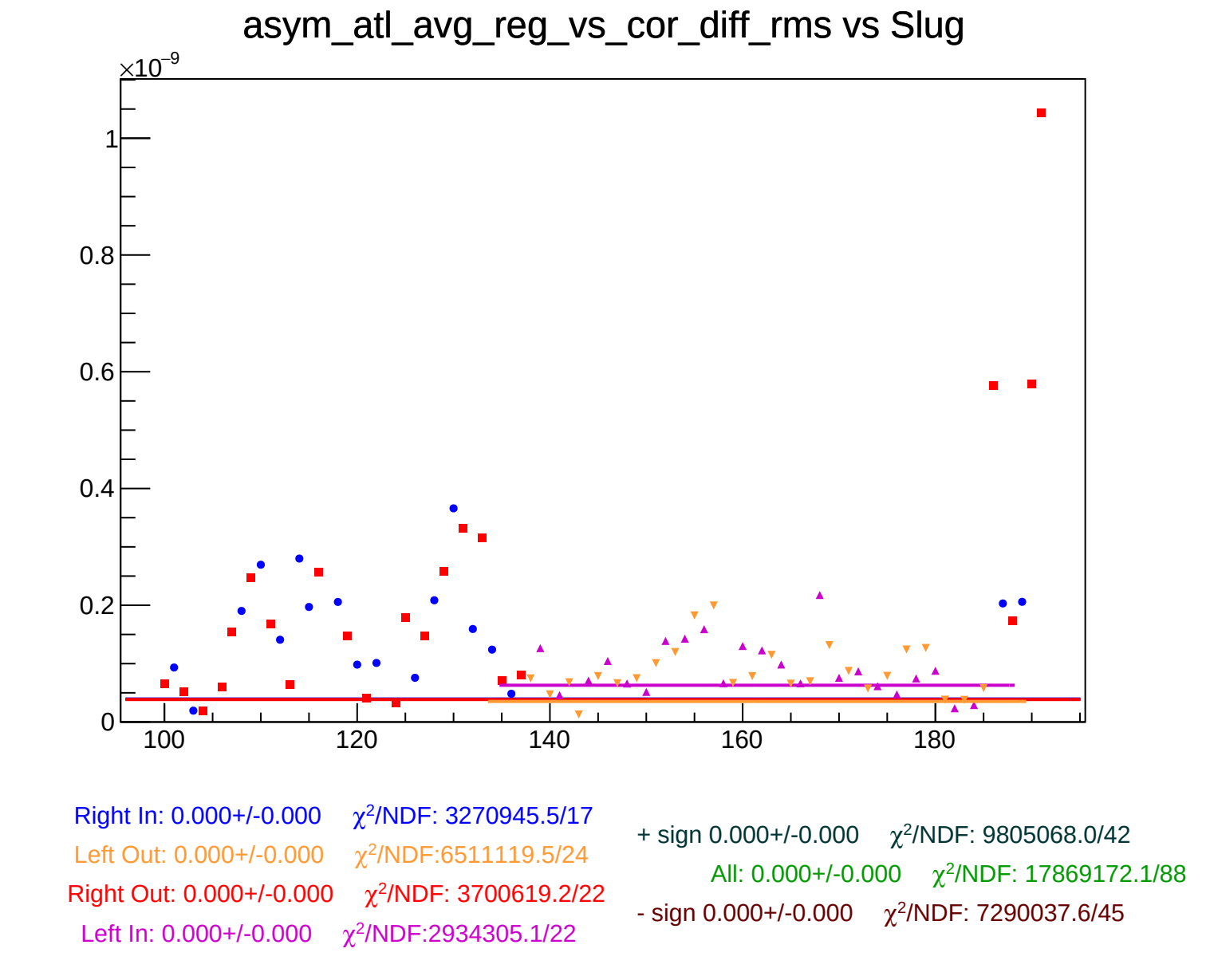
Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/22

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

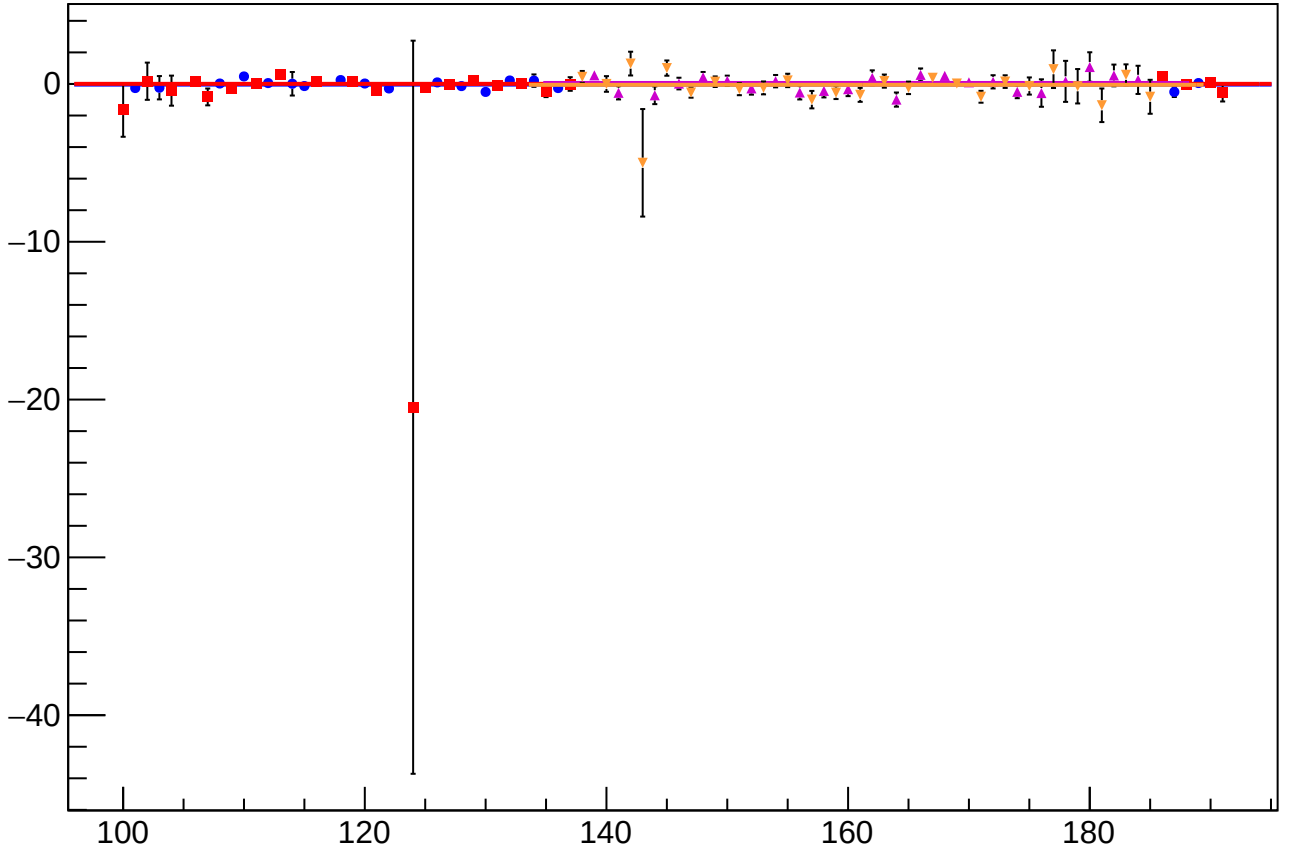
+ sign 0.000+/-0.000 χ^2/NDF: 36.9/42

All: 0.000+/-0.000 χ^2/NDF: 81.6/88

- sign 0.000+/-0.000 χ^2/NDF: 44.6/45


asym_atl_avg_reg_vs_cor_diff_rms vs Slug
×10^−9
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 3270945.5/17
Left Out: 0.000+/-0.000 χ²/NDF:6511119.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 3700619.2/22
Left In: 0.000+/-0.000 χ²/NDF:2934305.1/22
+ sign 0.000+/-0.000 χ²/NDF: 9805068.0/42
All: 0.000+/-0.000 χ²/NDF: 17869172.1/88
- sign 0.000+/-0.000 χ²/NDF: 7290037.6/45

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: 0.007+/-0.045 χ^2/NDF: 27.8/22

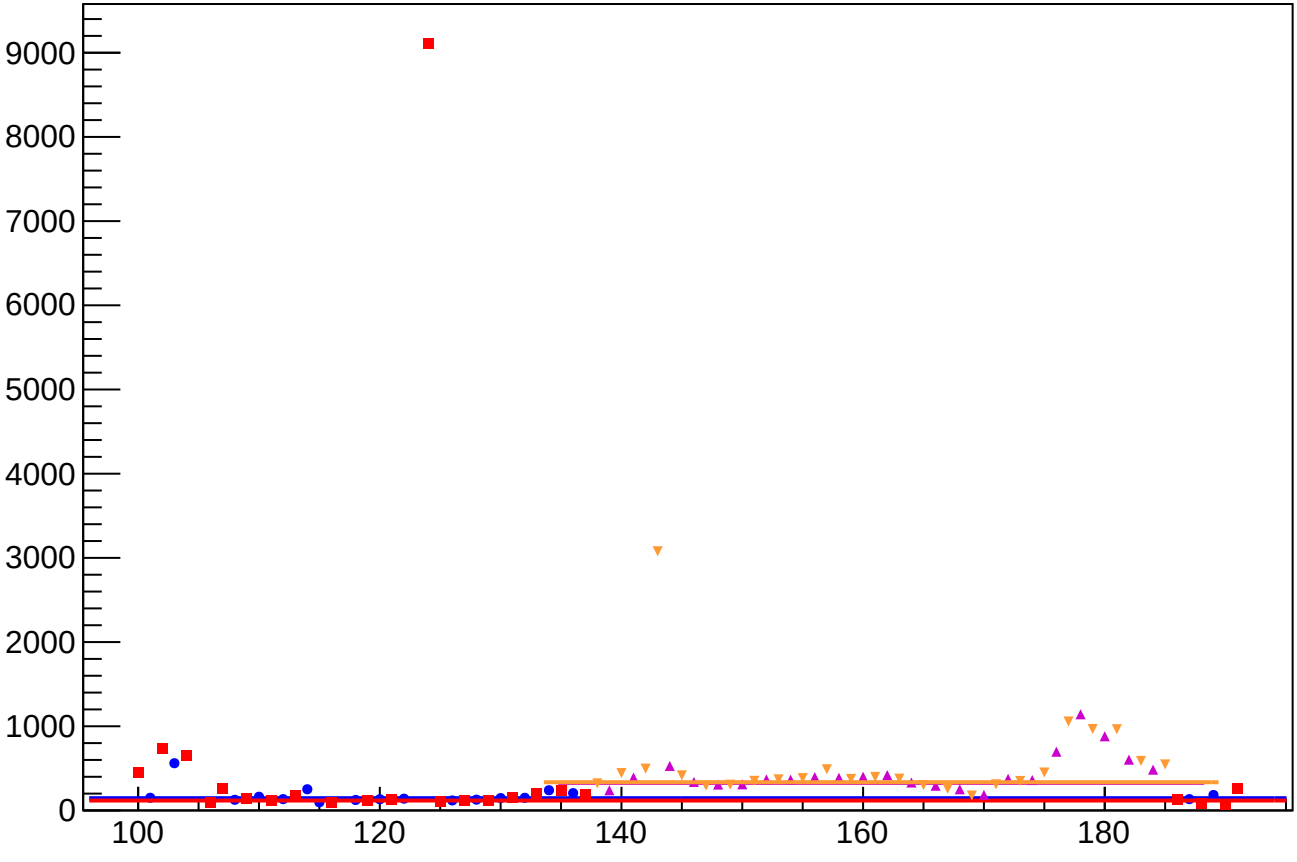
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.044+/-0.047 χ^2/NDF: 52.6/42

All: -0.007+/-0.030 χ^2/NDF: 109.9/88

- sign 0.020+/-0.040 χ^2/NDF: 56.1/45

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

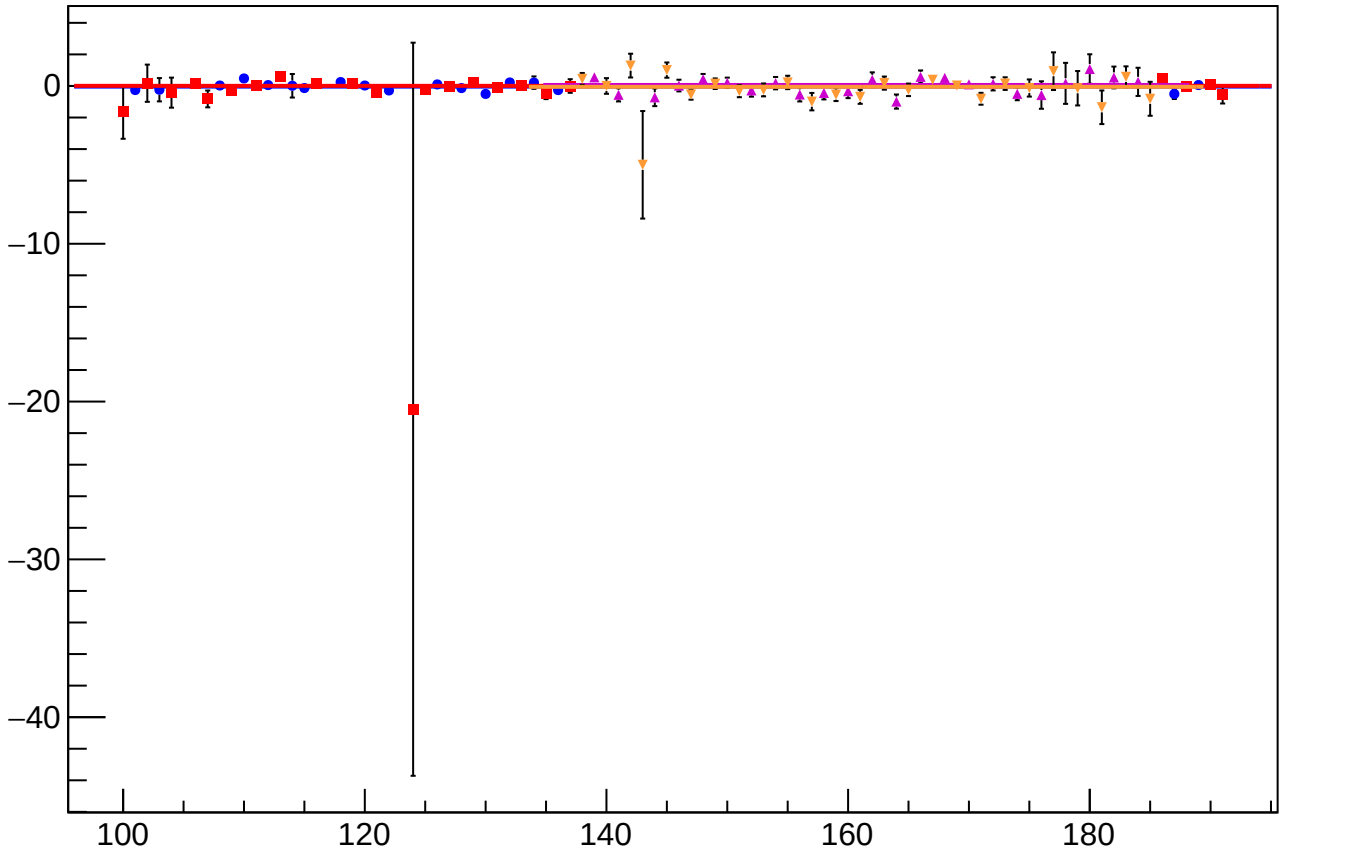
Right Out: 118.000+/-0.032 χ^2/NDF: 2932321.5/22

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

+ sign 202.975+/-0.033 χ^2/NDF: 14022905.5/42

All: 181.391+/-0.021 χ^2/NDF: 31751474.9/88

- sign 165.828+/-0.028 χ^2/NDF: 16988492.5/45



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: 0.007+/-0.045 χ^2/NDF: 27.8/22

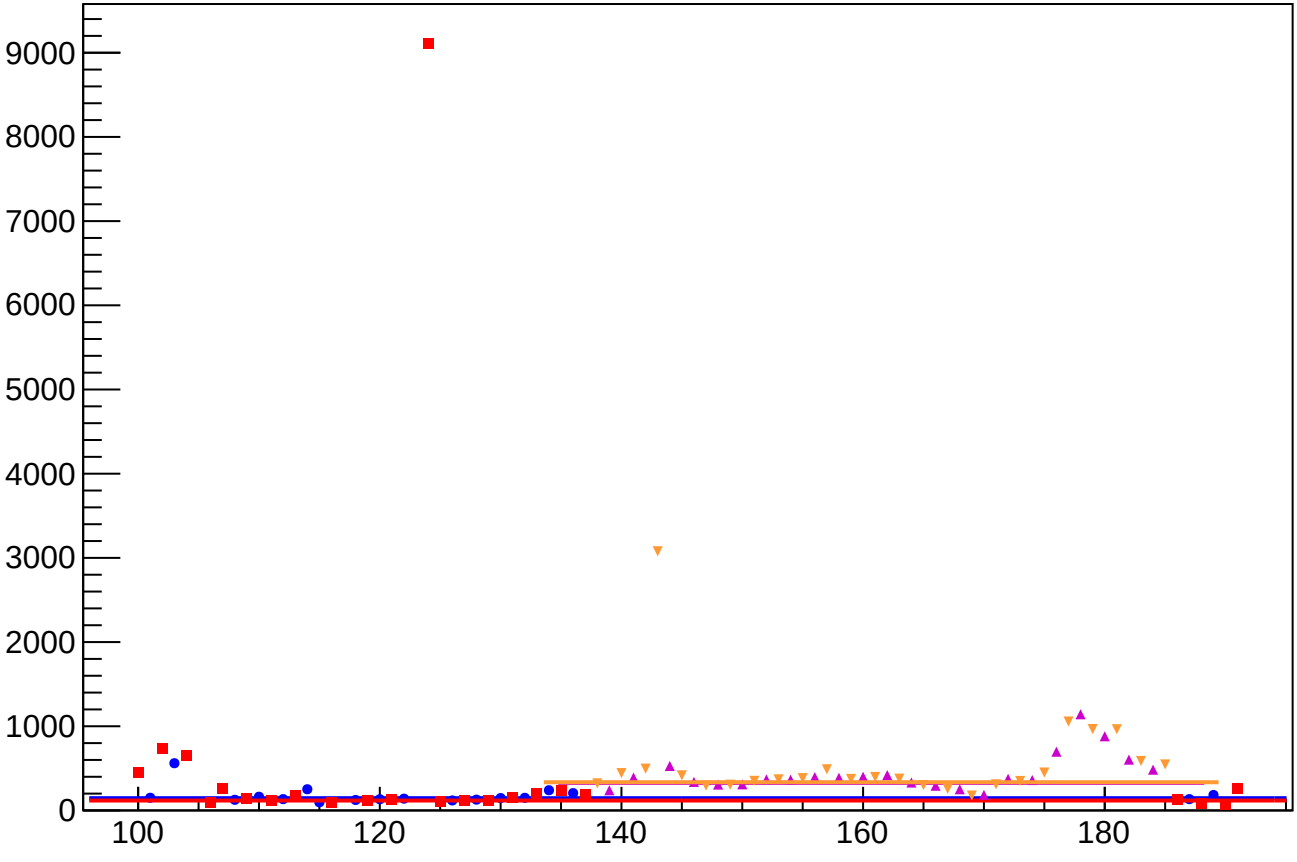
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.044+/-0.047 χ^2/NDF: 52.6/42

All: -0.007+/-0.030 χ^2/NDF: 109.9/88

- sign 0.020+/-0.040 χ^2/NDF: 56.1/45

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

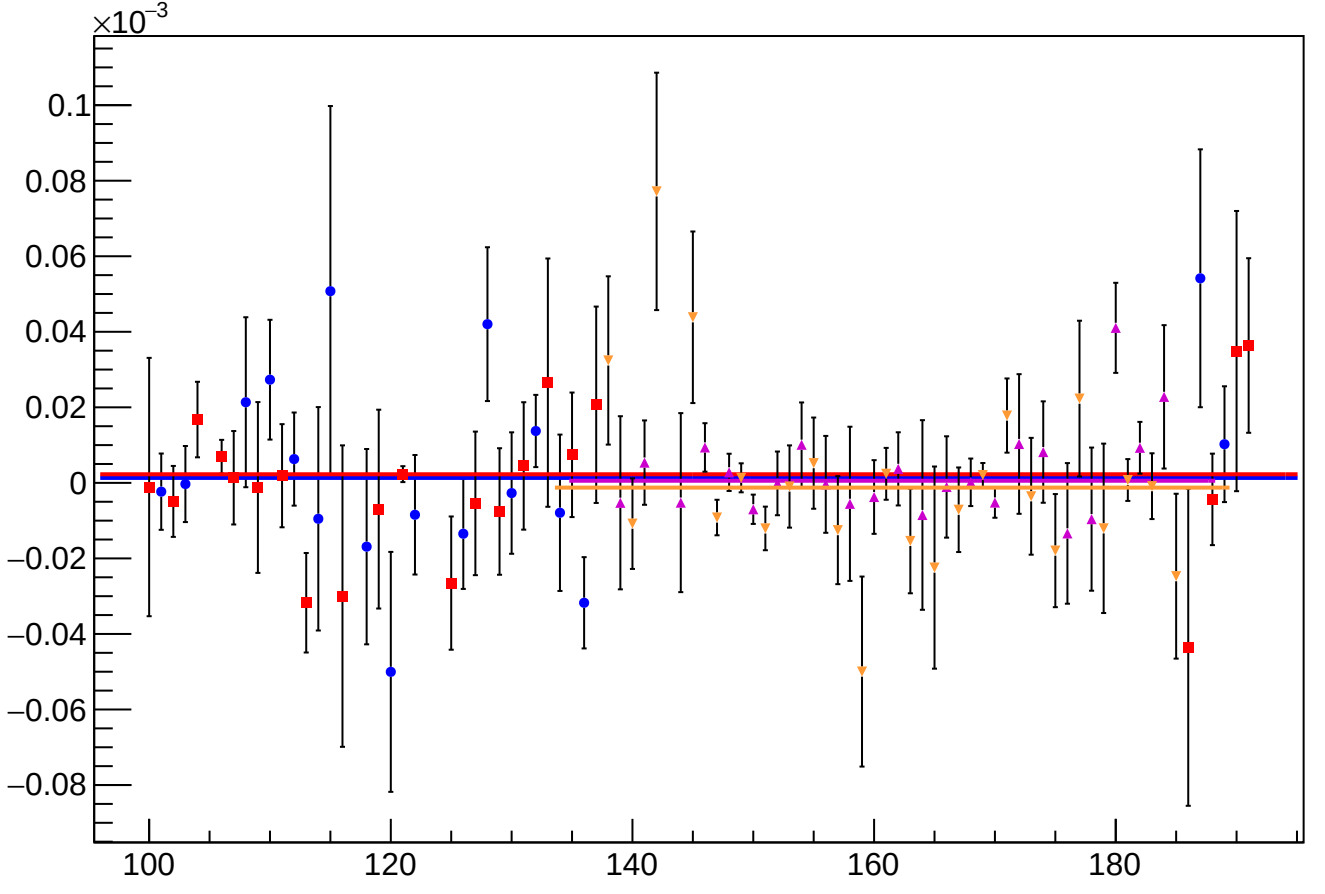
Right Out: 118.000+/-0.032 χ^2/NDF: 2932321.5/22

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

+ sign 202.975+/-0.033 χ^2/NDF: 14022905.5/42

All: 181.391+/-0.021 χ^2/NDF: 31751474.9/88

- sign 165.828+/-0.028 χ^2/NDF: 16988492.5/45



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

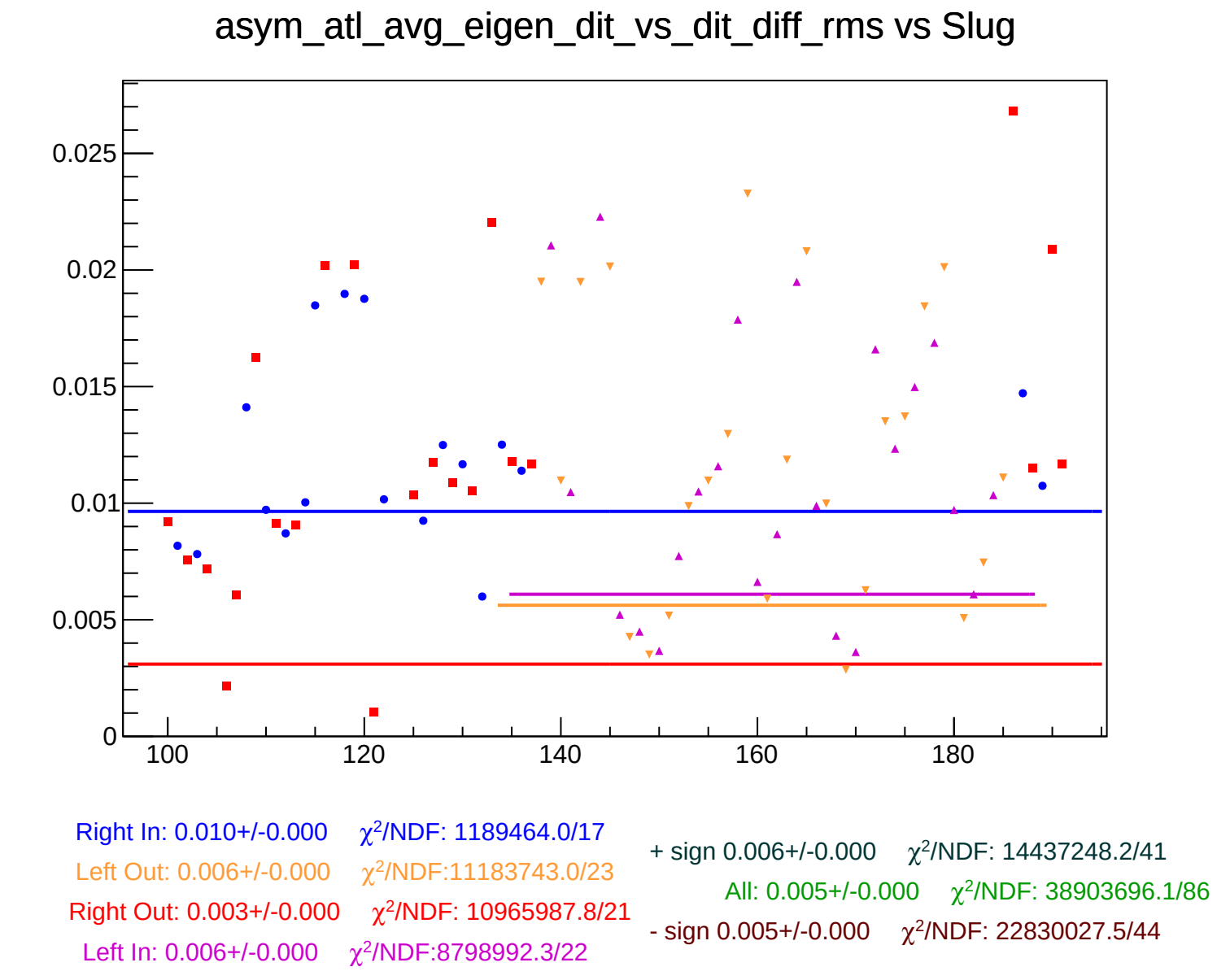
Right Out: 0.000+/-0.000 χ^2/NDF: 20.0/21

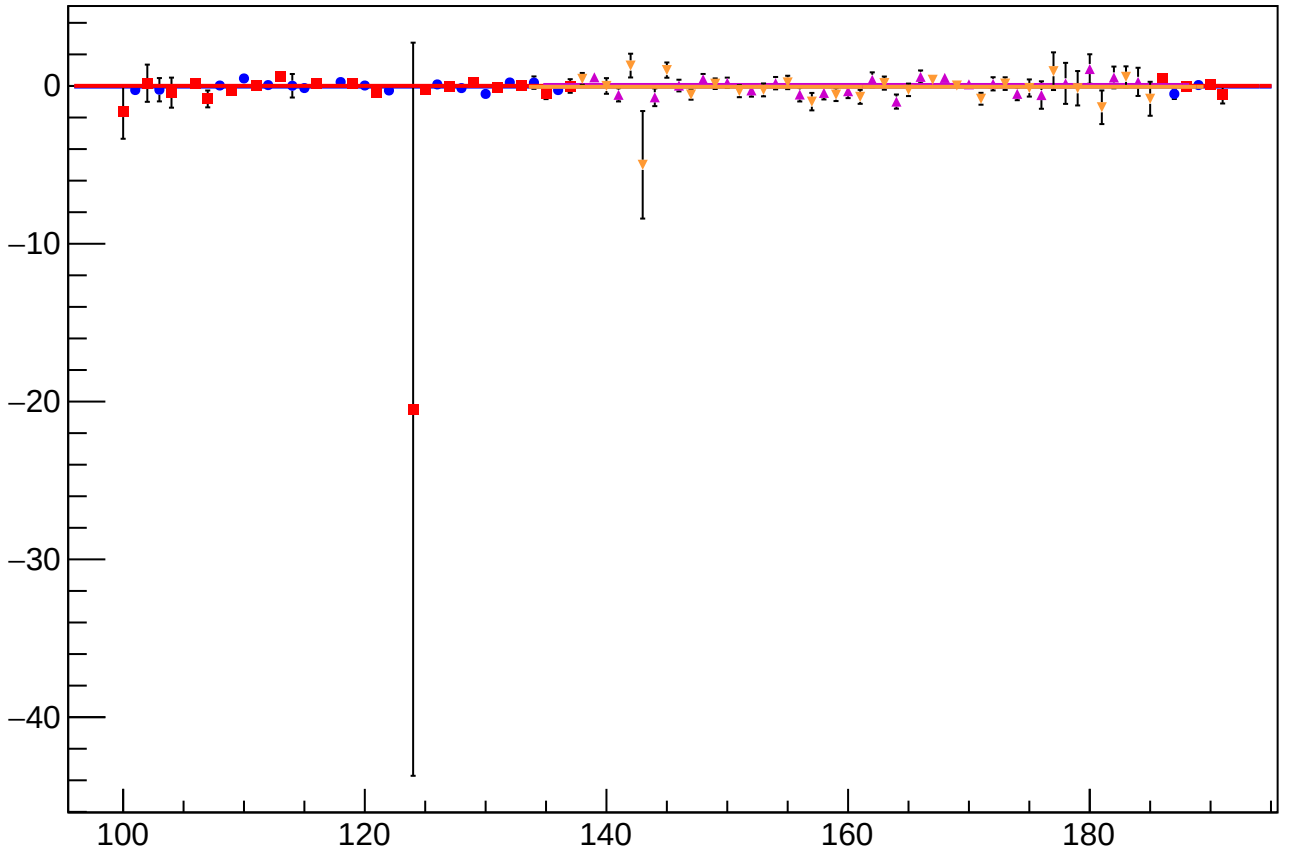
Left In: 0.000+/-0.000 χ^2/NDF:25.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 61.8/41

All: 0.000+/-0.000 χ^2/NDF: 109.2/86

- sign 0.000+/-0.000 χ^2/NDF: 46.0/44


asym_atl_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
0
100
120
140
160
180
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: 10965987.8/21
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: 38903696.1/86
- sign 0.005+/-0.000 χ²/NDF: 22830027.5/44



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: 0.007+/-0.045 χ^2/NDF: 27.8/22

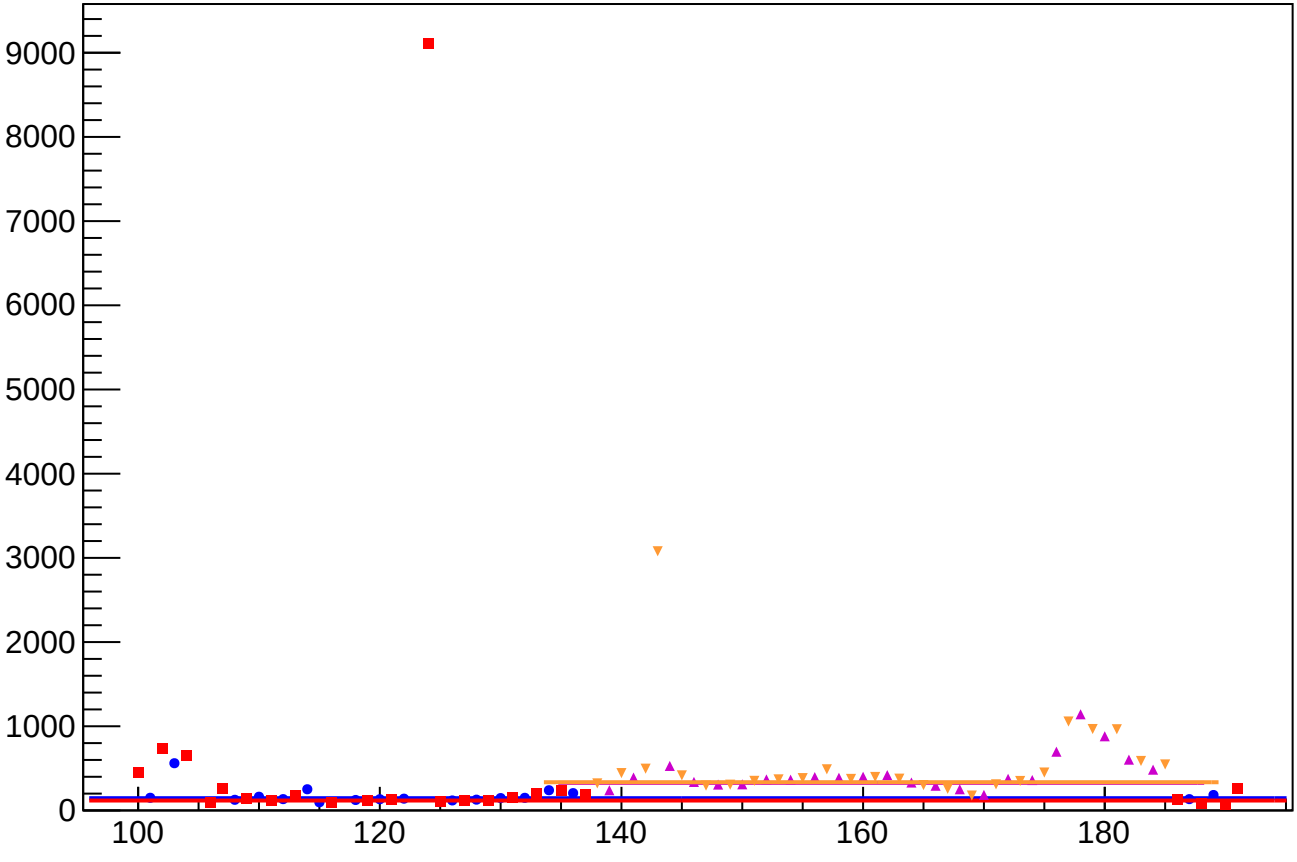
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.044+/-0.047 χ^2/NDF: 52.6/42

All: -0.007+/-0.030 χ^2/NDF: 109.9/88

- sign 0.020+/-0.040 χ^2/NDF: 56.1/45

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

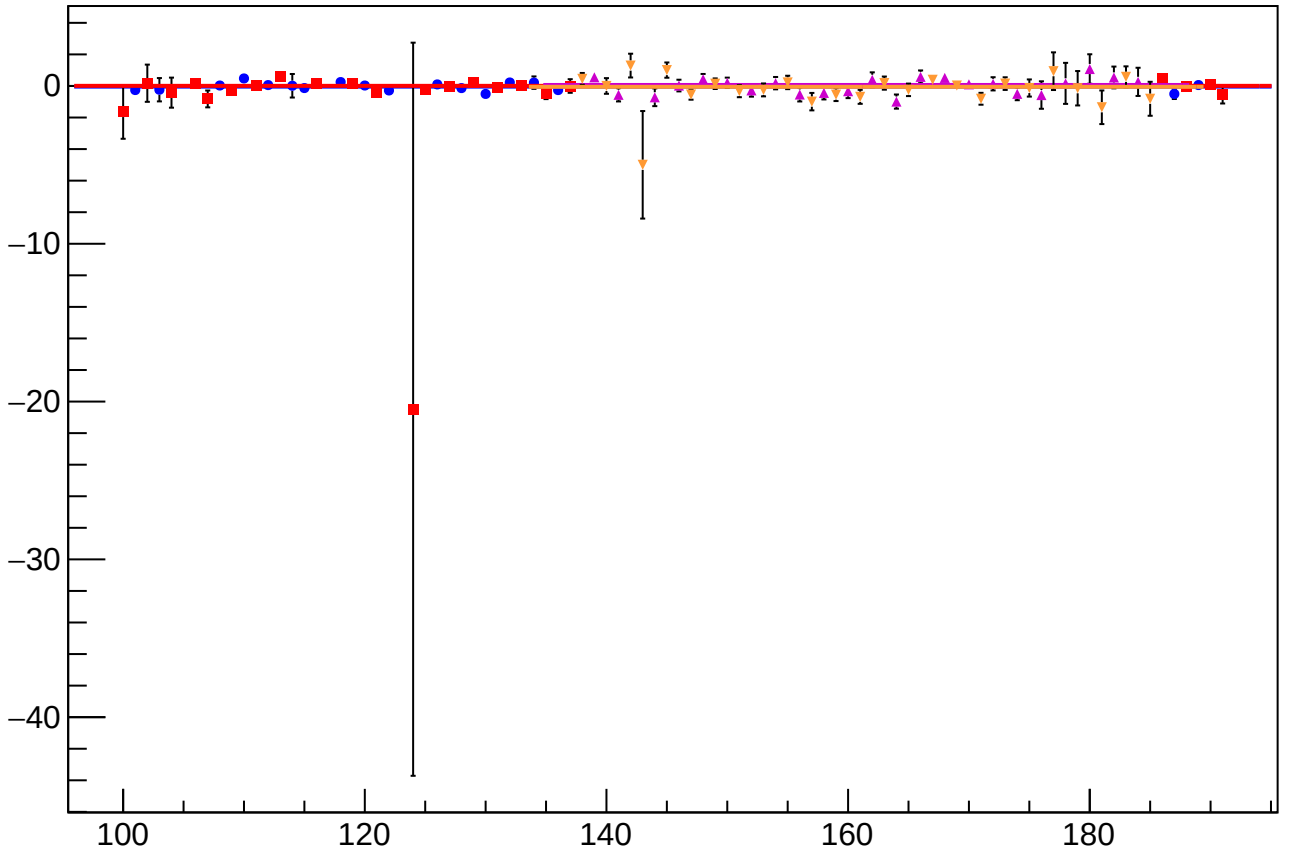
Right Out: 117.997+/-0.032 χ^2/NDF: 2932284.1/22

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 202.974+/-0.033 χ^2/NDF: 14023193.0/42

All: 181.389+/-0.021 χ^2/NDF: 31752225.0/88

- sign 165.825+/-0.028 χ^2/NDF: 16988875.4/45



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: 0.007+/-0.045 χ^2/NDF: 27.8/22

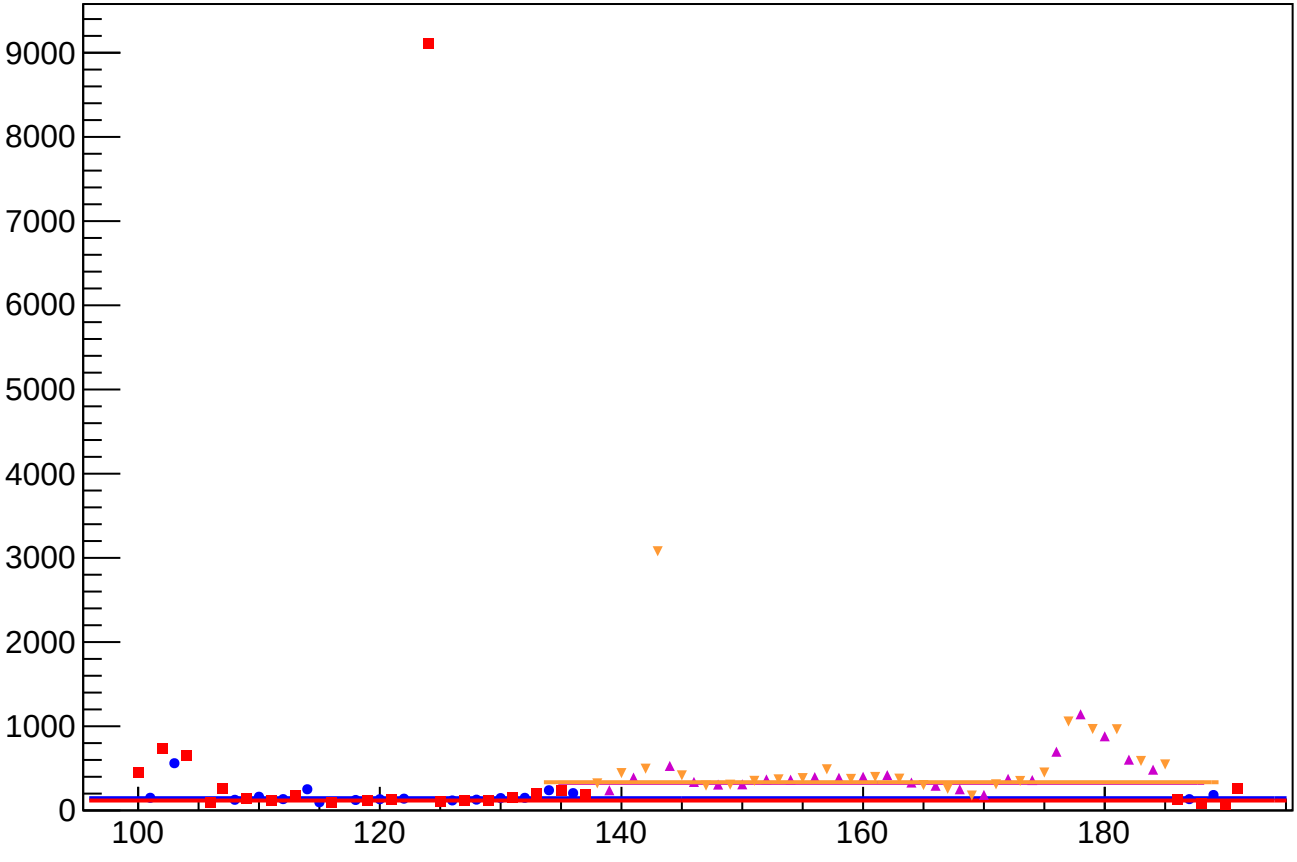
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.044+/-0.047 χ^2/NDF: 52.6/42

All: -0.007+/-0.030 χ^2/NDF: 109.9/88

- sign 0.020+/-0.040 χ^2/NDF: 56.1/45

asym_atl_avg_eigen_dit_vs_eigen_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

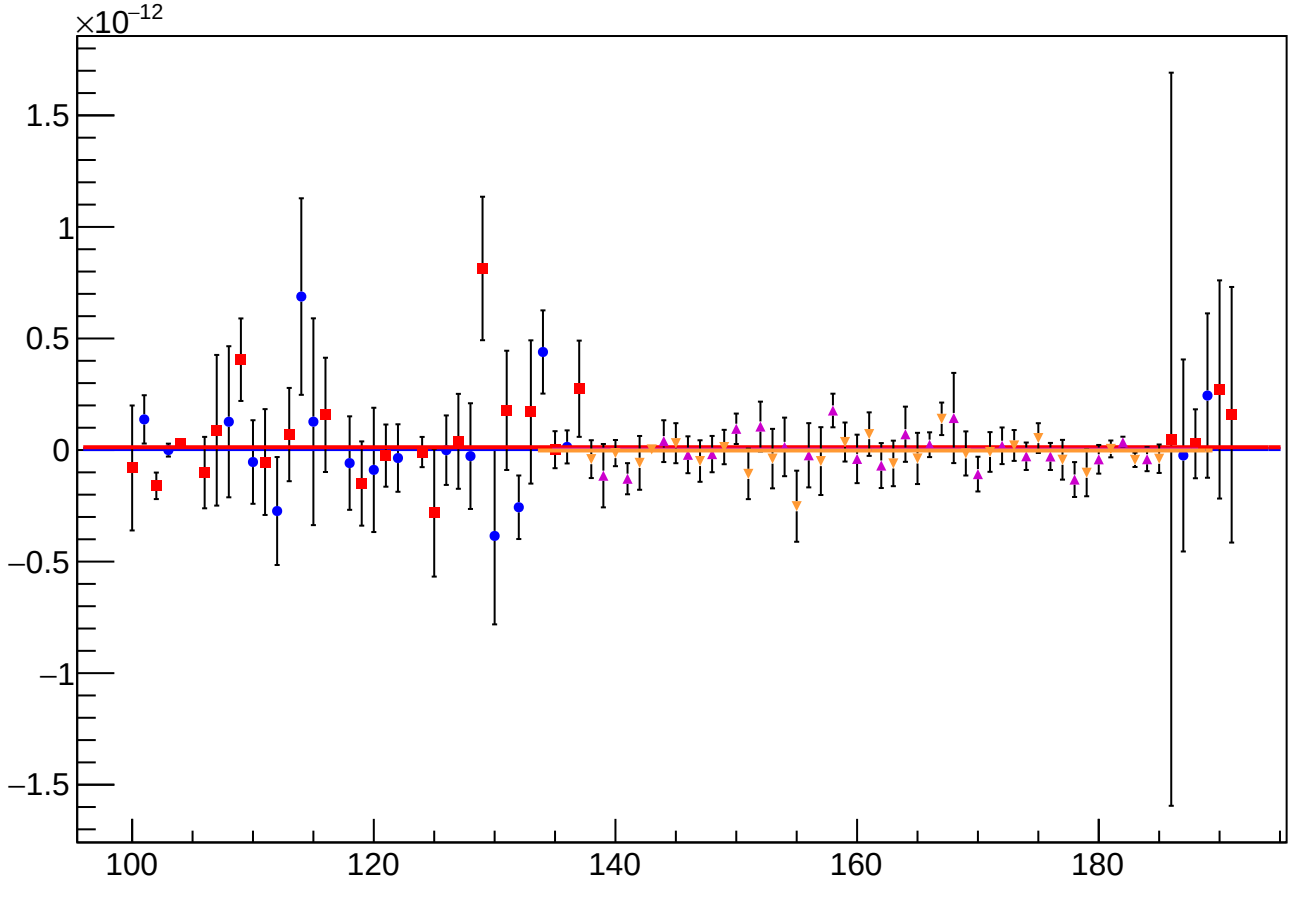
Right Out: 117.997+/-0.032 χ^2/NDF: 2932284.1/22

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 202.974+/-0.033 χ^2/NDF: 14023193.0/42

All: 181.389+/-0.021 χ^2/NDF: 31752225.0/88

- sign 165.825+/-0.028 χ^2/NDF: 16988875.4/45



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: 25.5/22

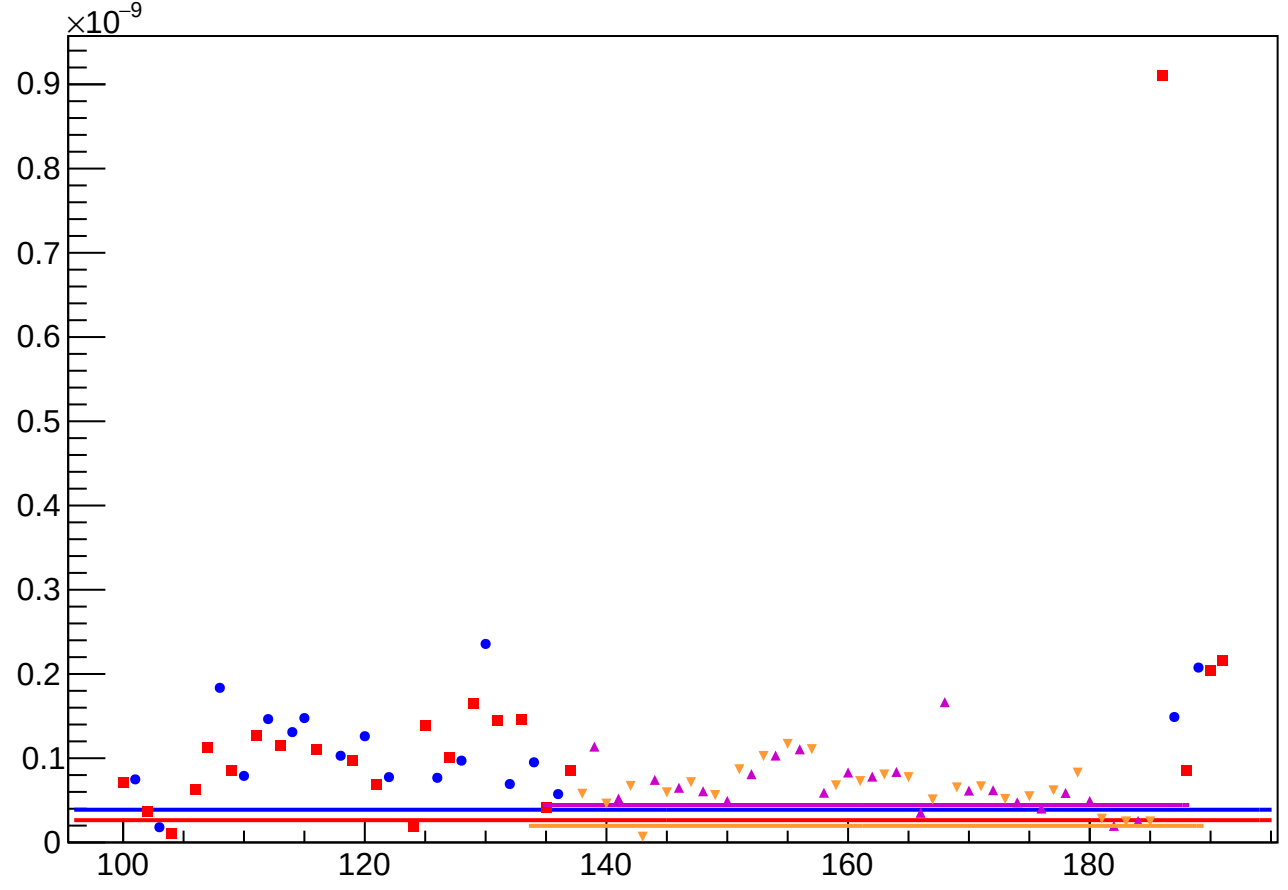
Left In: 0.000+/-0.000 χ^2/NDF:22.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 29.7/42

All: 0.000+/-0.000 χ^2/NDF: 78.2/88

- sign 0.000+/-0.000 χ^2/NDF: 48.2/45

asym_atl_avg_eigen_cor_vs_cor_diff_rms vs Slug



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: 6060948.9/22

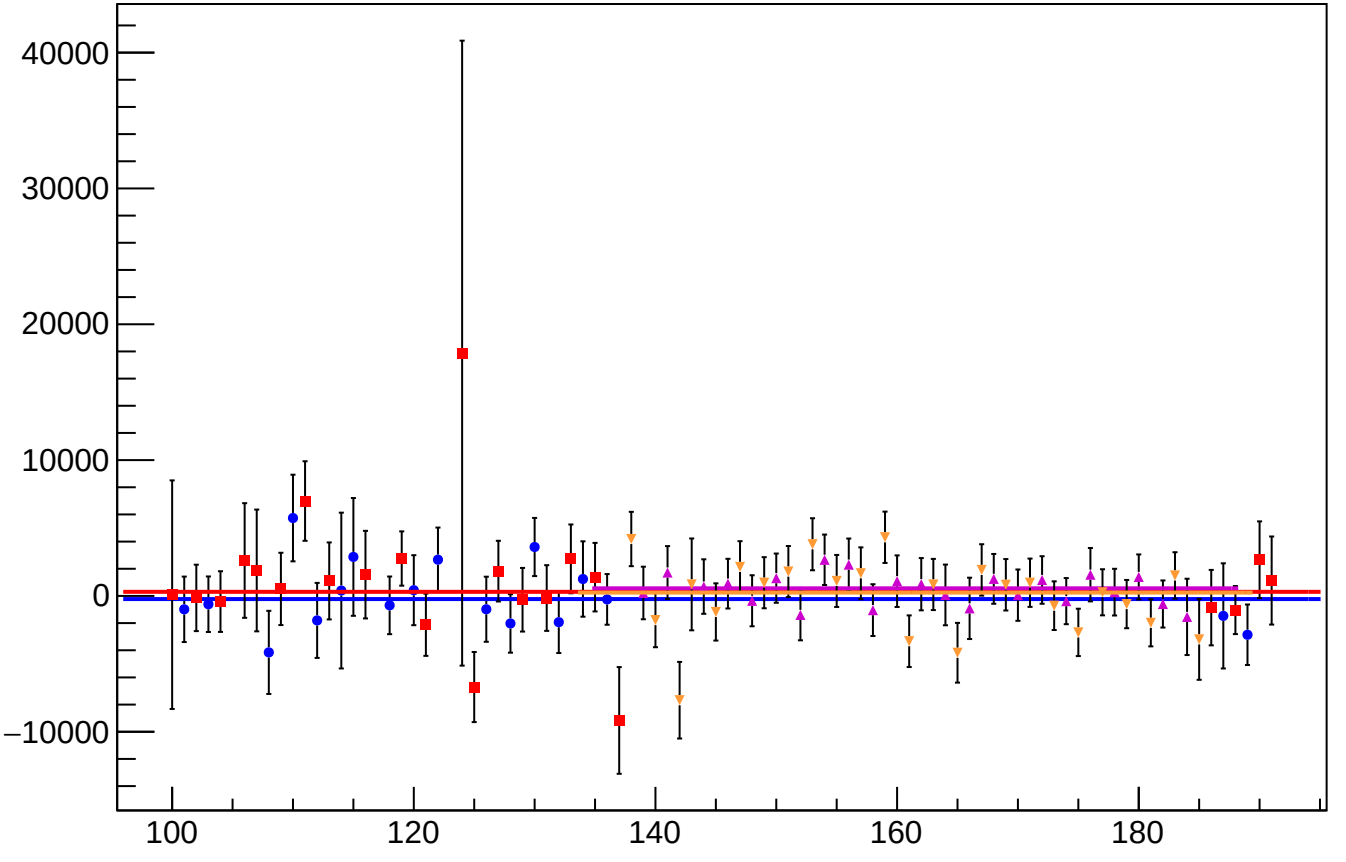
Left In: 0.000+/-0.000 χ^2/NDF:5919814.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 20537131.3/42

All: 0.000+/-0.000 χ^2/NDF: 36450528.2/88

- sign 0.000+/-0.000 χ^2/NDF: 13186693.1/45

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: 302.555+/-562.553 χ^2/NDF: 25.6/22

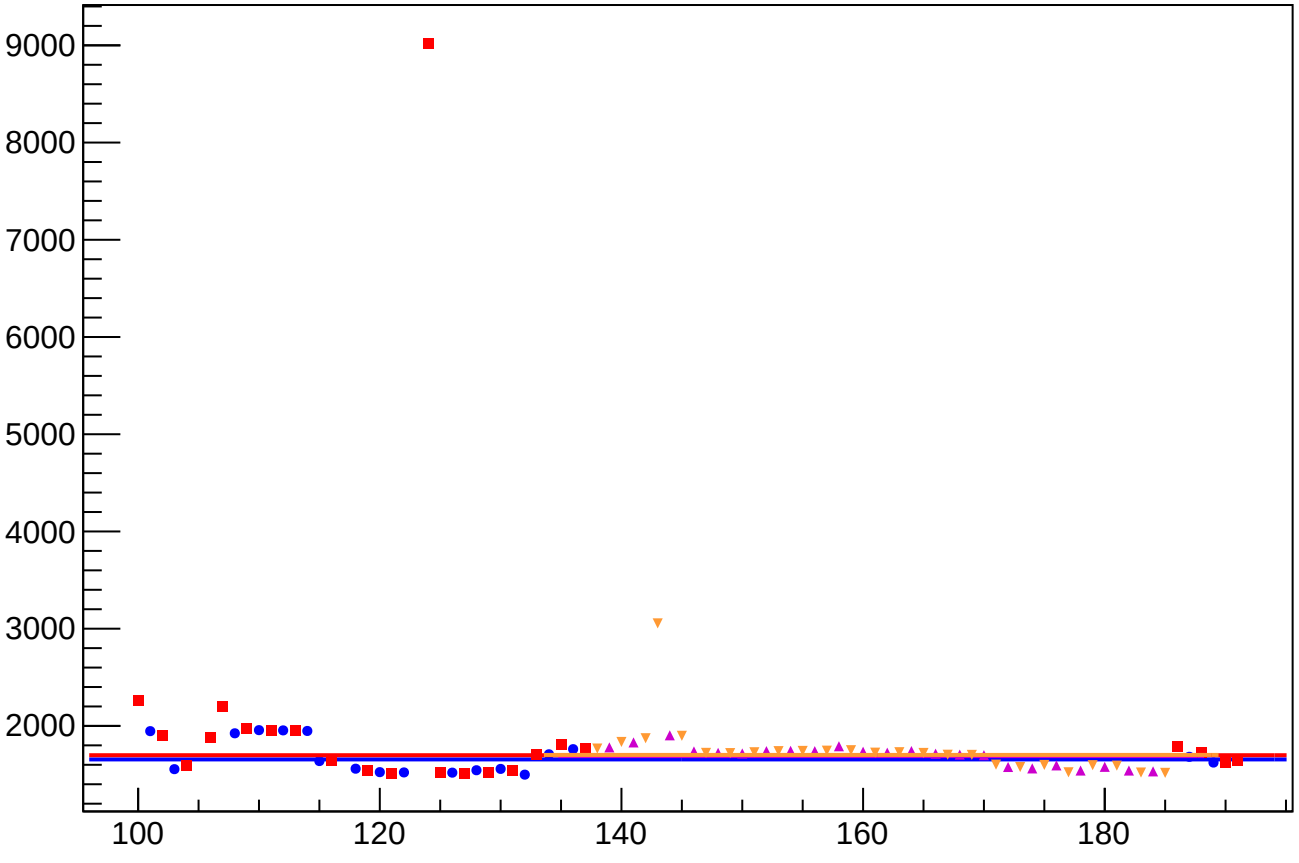
Left In: 559.995+/-395.112 χ^2/NDF:7.5/22

+ sign 103.245+/-324.703 χ^2/NDF: 54.1/42

All: 289.885+/-229.113 χ^2/NDF: 88.0/88

- sign 474.951+/-323.330 χ^2/NDF: 33.2/45

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: 1698.586+/-0.396 χ^2/NDF: 390911.3/22

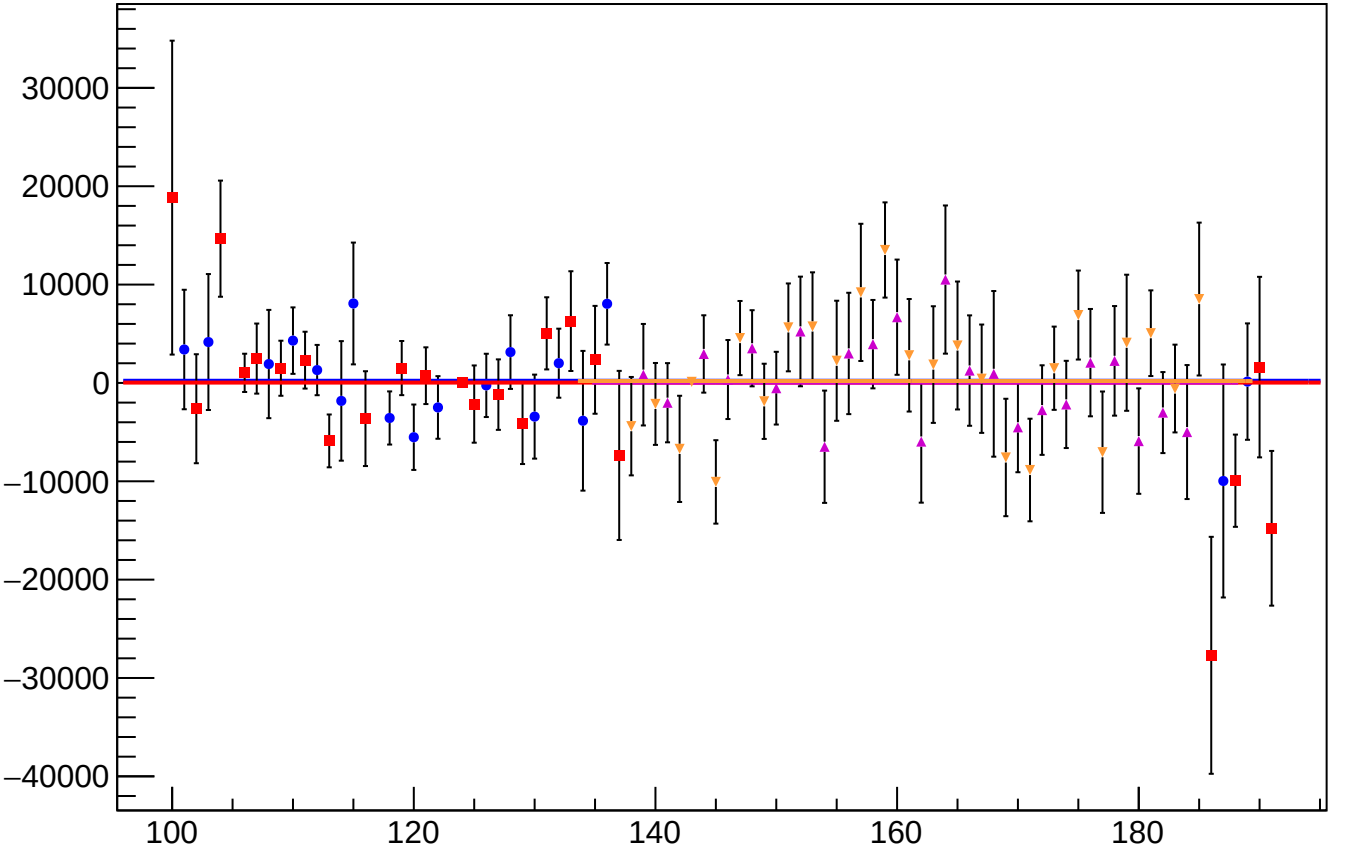
Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1687.580+/-0.230 χ^2/NDF: 605462.5/42

All: 1689.980+/-0.162 χ^2/NDF: 1119279.3/88

- sign 1692.355+/-0.228 χ^2/NDF: 513599.2/45

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: 34.899+/-322.360 χ^2/NDF: 34.3/22

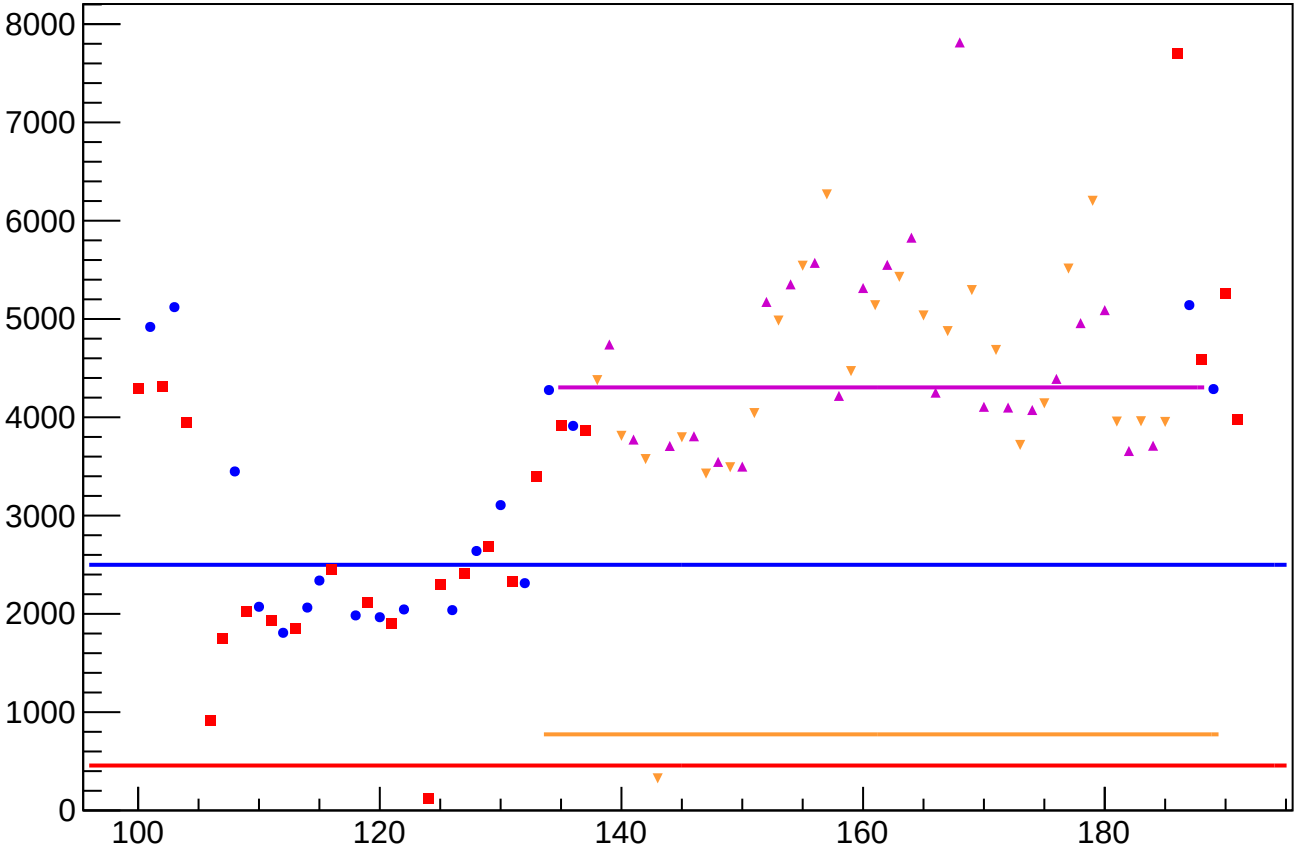
Left In: 28.728+/-1025.481 χ^2/NDF:13.3/22

\+ sign 196.582+/-322.552 χ^2/NDF: 49.9/42

All: 111.596+/-222.575 χ^2/NDF: 97.6/88

\- sign 34.344+/-307.523 χ^2/NDF: 47.6/45

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: 457.152+/-0.228 χ^2/NDF: 14315202.5/22

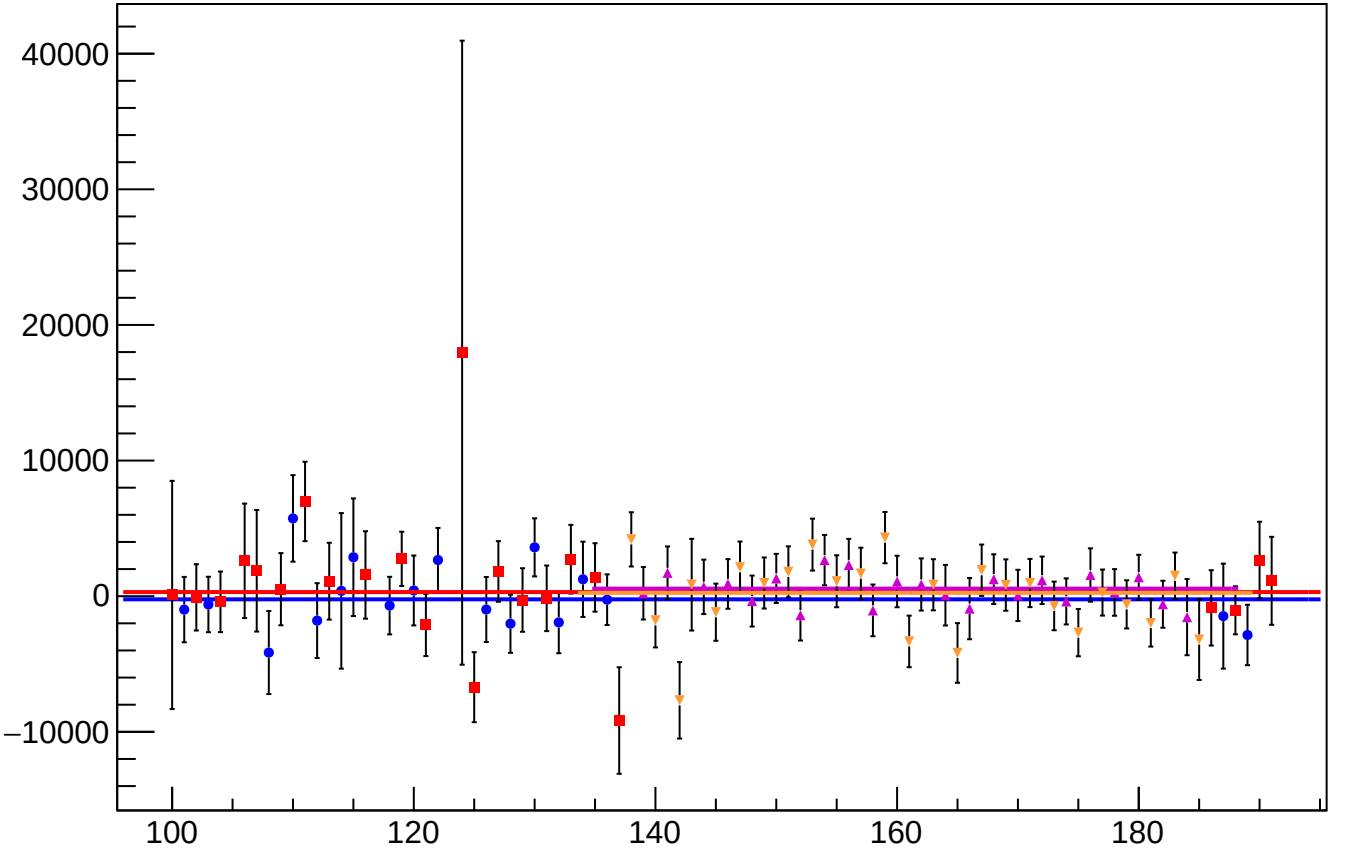
Left In: 4304.007+/-0.725 χ^2/NDF:1216578.1/22

+ sign 974.929+/-0.228 χ^2/NDF: 35715002.2/42

All: 884.917+/-0.157 χ^2/NDF: 77157169.4/88

- sign 803.097+/-0.217 χ^2/NDF: 41144837.5/45

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: 305.953+/-562.557 χ^2/NDF: 25.6/22

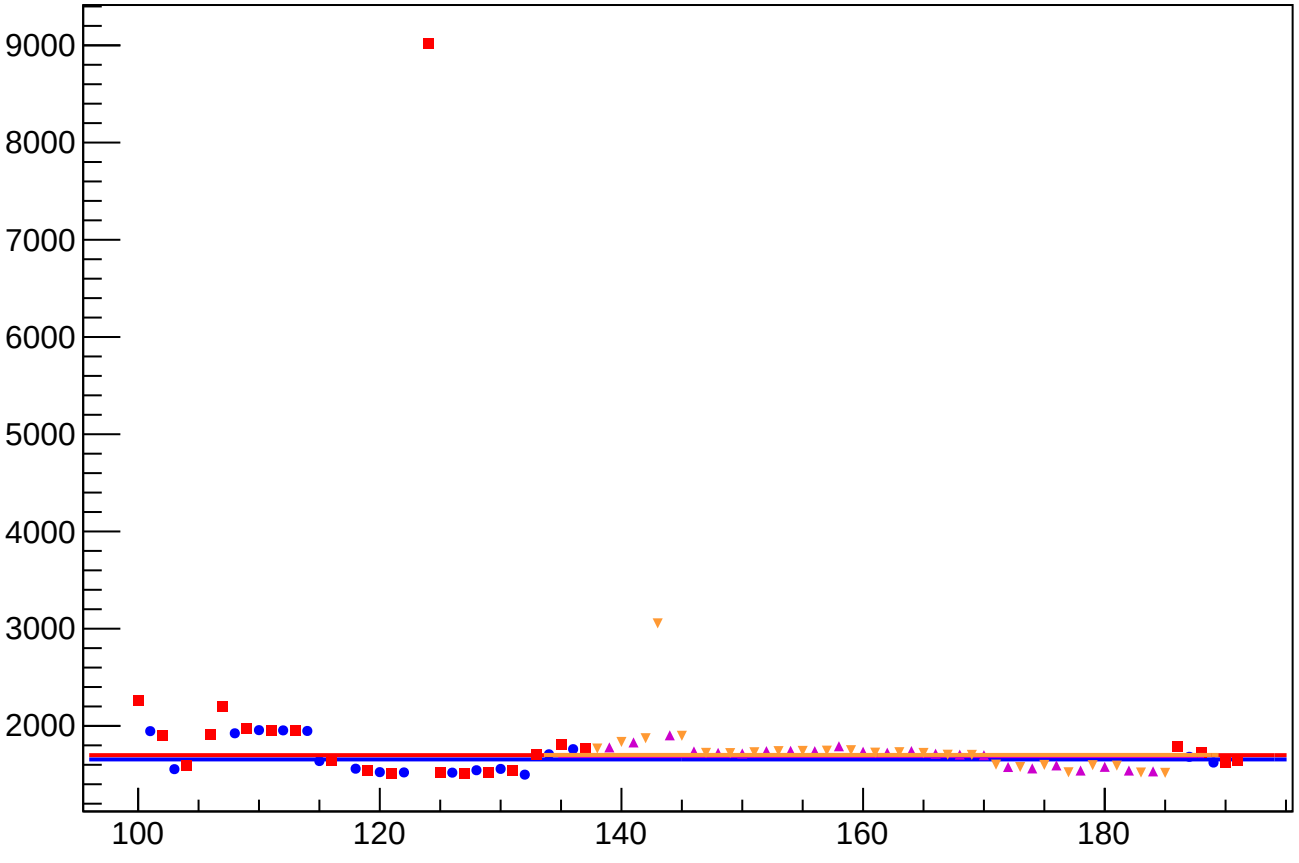
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

+ sign 103.203+/-324.703 χ^2/NDF: 54.1/42

All: 290.417+/-229.113 χ^2/NDF: 88.0/88

- sign 476.051+/-323.331 χ^2/NDF: 33.2/45

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

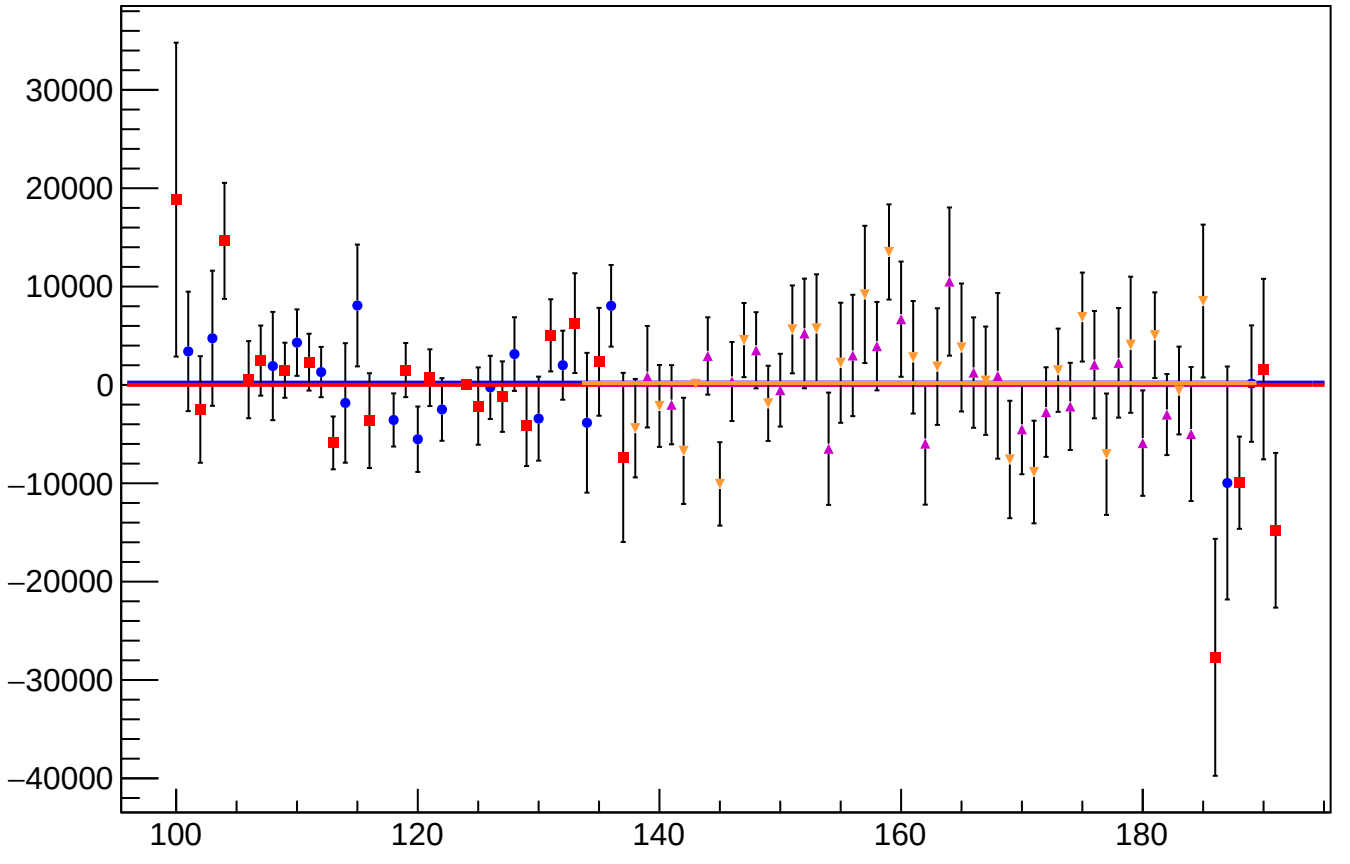
Right Out: 1699.215+/-0.396 χ^2/NDF: 392646.8/22

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1687.580+/-0.230 χ^2/NDF: 605462.6/42

All: 1690.084+/-0.162 χ^2/NDF: 1121085.3/88

- sign 1692.562+/-0.228 χ^2/NDF: 515386.0/45



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: 6.190+/-314.499 χ^2/NDF: 34.0/22

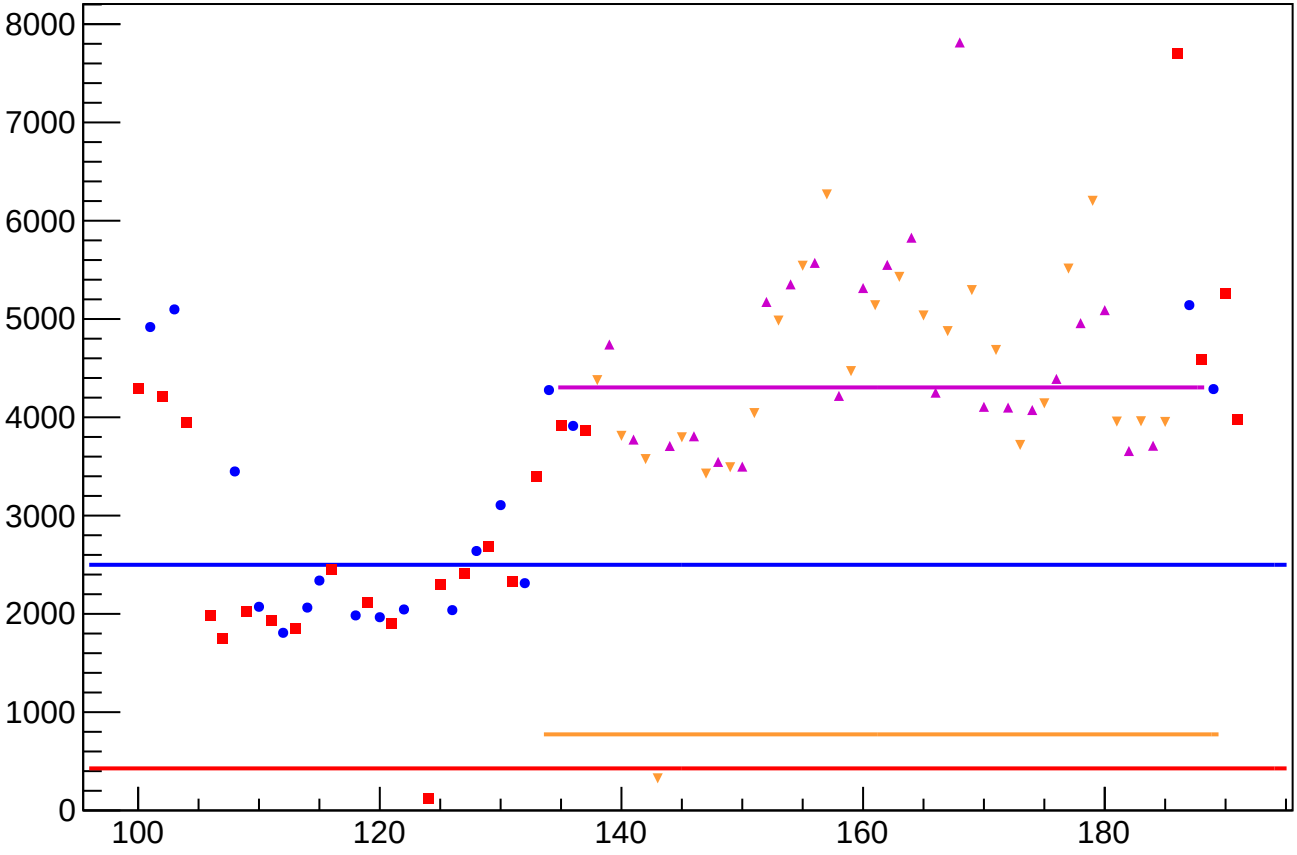
Left In: 28.766+/-1025.480 χ^2/NDF:13.3/22

+ sign 198.366+/-322.528 χ^2/NDF: 50.0/42

All: 96.586+/-219.930 χ^2/NDF: 97.5/88

- sign 8.131+/-300.677 χ^2/NDF: 47.3/45

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: 427.969+/-0.222 χ^2/NDF: 14699502.2/22

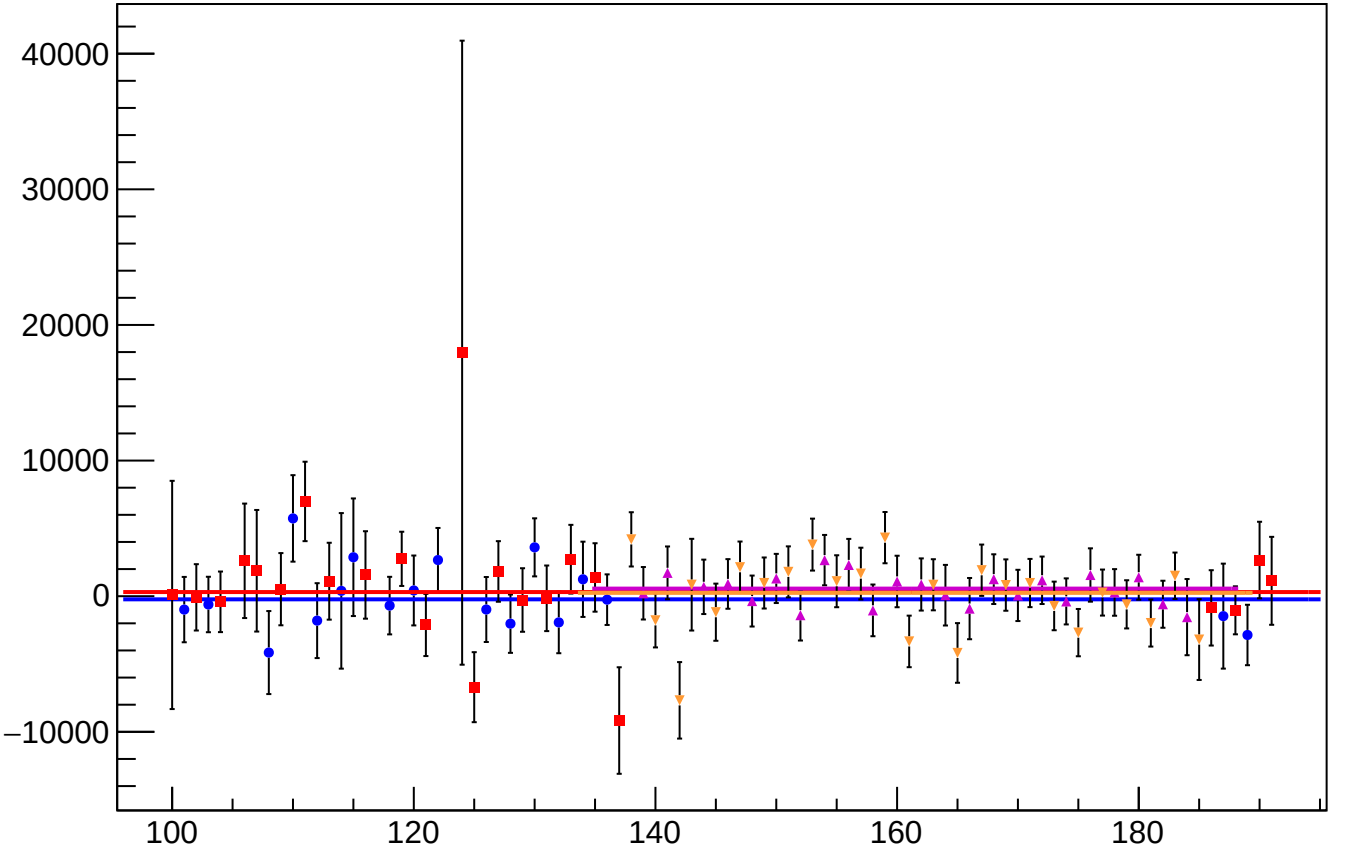
Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 974.885+/-0.228 χ^2/NDF: 35717060.7/42

All: 860.555+/-0.156 χ^2/NDF: 78219129.0/88

- sign 761.191+/-0.213 χ^2/NDF: 42032337.3/45

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: 305.953+/-562.557 χ^2/NDF: 25.6/22

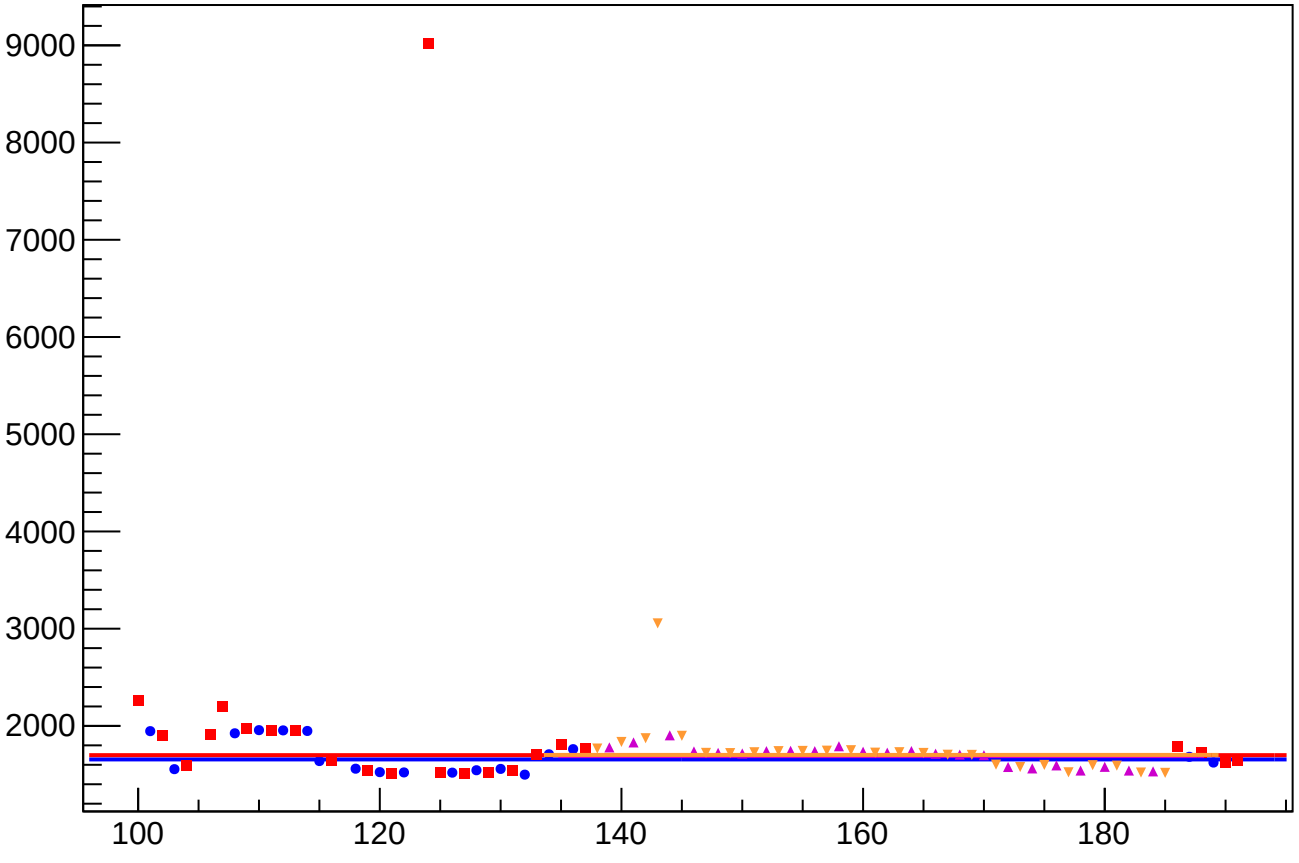
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

+ sign 103.203+/-324.703 χ^2/NDF: 54.1/42

All: 290.417+/-229.113 χ^2/NDF: 88.0/88

- sign 476.051+/-323.331 χ^2/NDF: 33.2/45

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

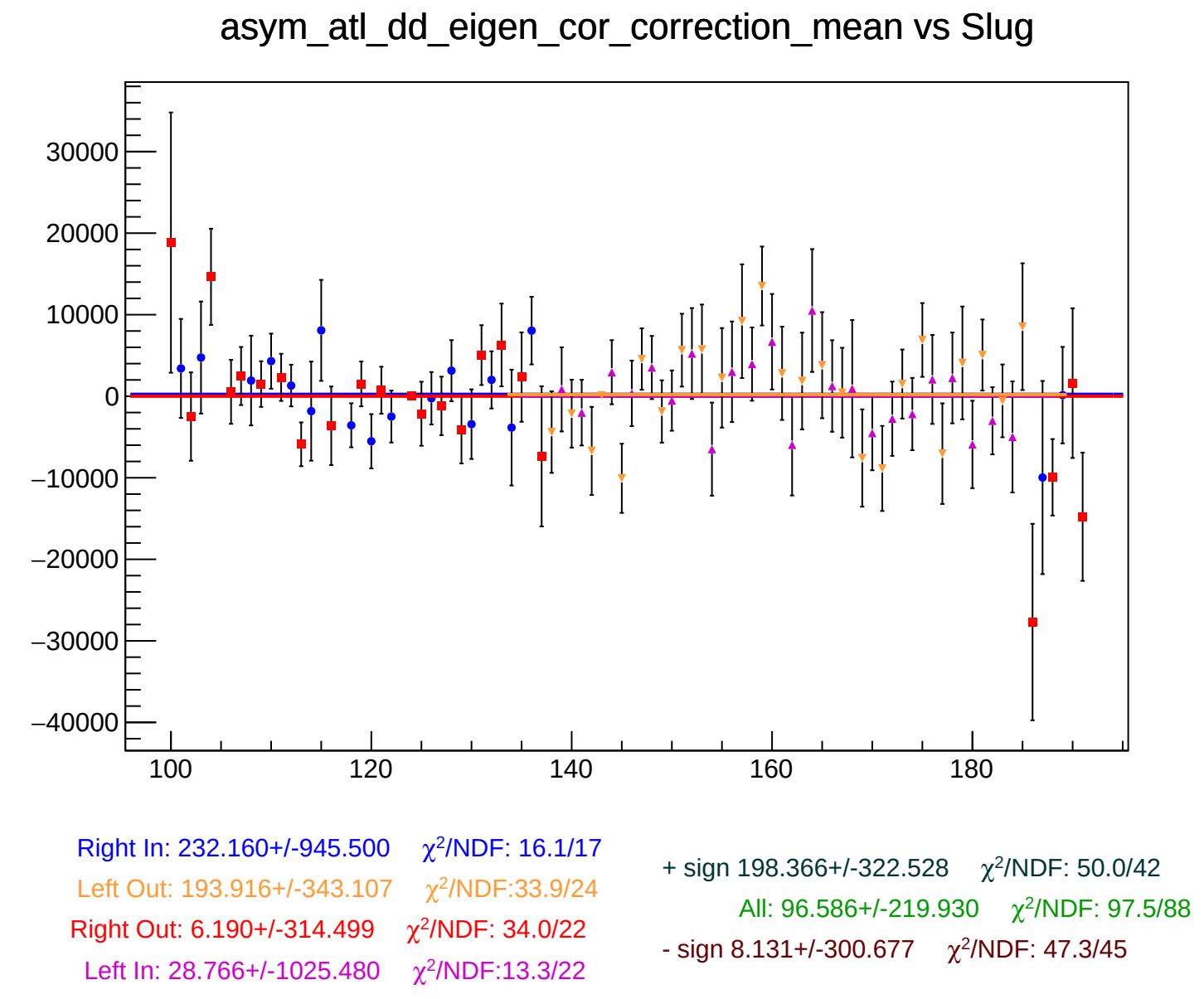
Right Out: 1699.215+/-0.396 χ^2/NDF: 392646.8/22

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

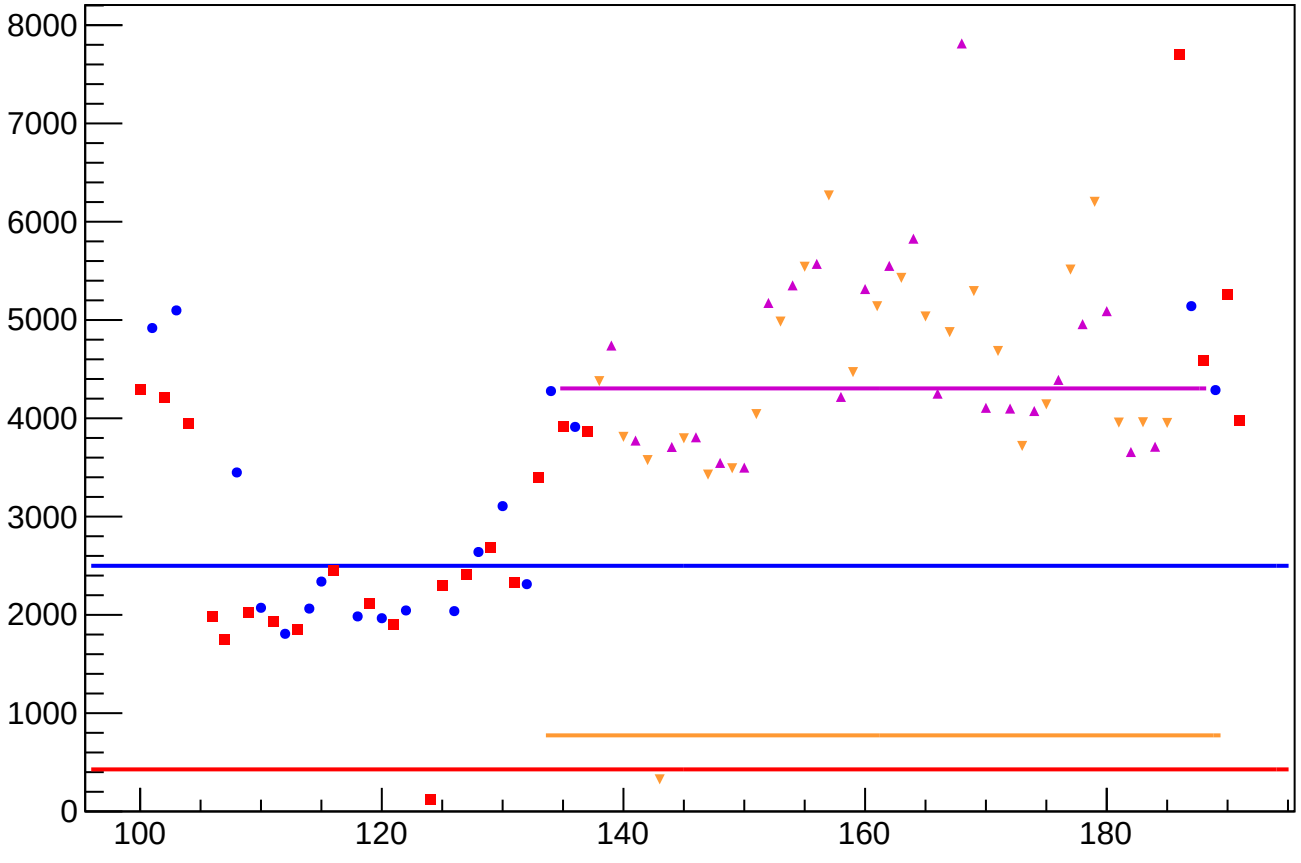
+ sign 1687.580+/-0.230 χ^2/NDF: 605462.6/42

All: 1690.084+/-0.162 χ^2/NDF: 1121085.3/88

- sign 1692.562+/-0.228 χ^2/NDF: 515386.0/45


asym_atl_dd_eigen_cor_correction_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
Right In: 232.160+/-945.500 χ²/NDF: 16.1/17
Left Out: 193.916+/-343.107 χ²/NDF:33.9/24
Right Out: 6.190+/-314.499 χ²/NDF: 34.0/22
Left In: 28.766+/-1025.480 χ²/NDF:13.3/22
+ sign 198.366+/-322.528 χ²/NDF: 50.0/42
All: 96.586+/-219.930 χ²/NDF: 97.5/88
- sign 8.131+/-300.677 χ²/NDF: 47.3/45

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: 427.969+/-0.222 χ^2/NDF: 14699502.2/22

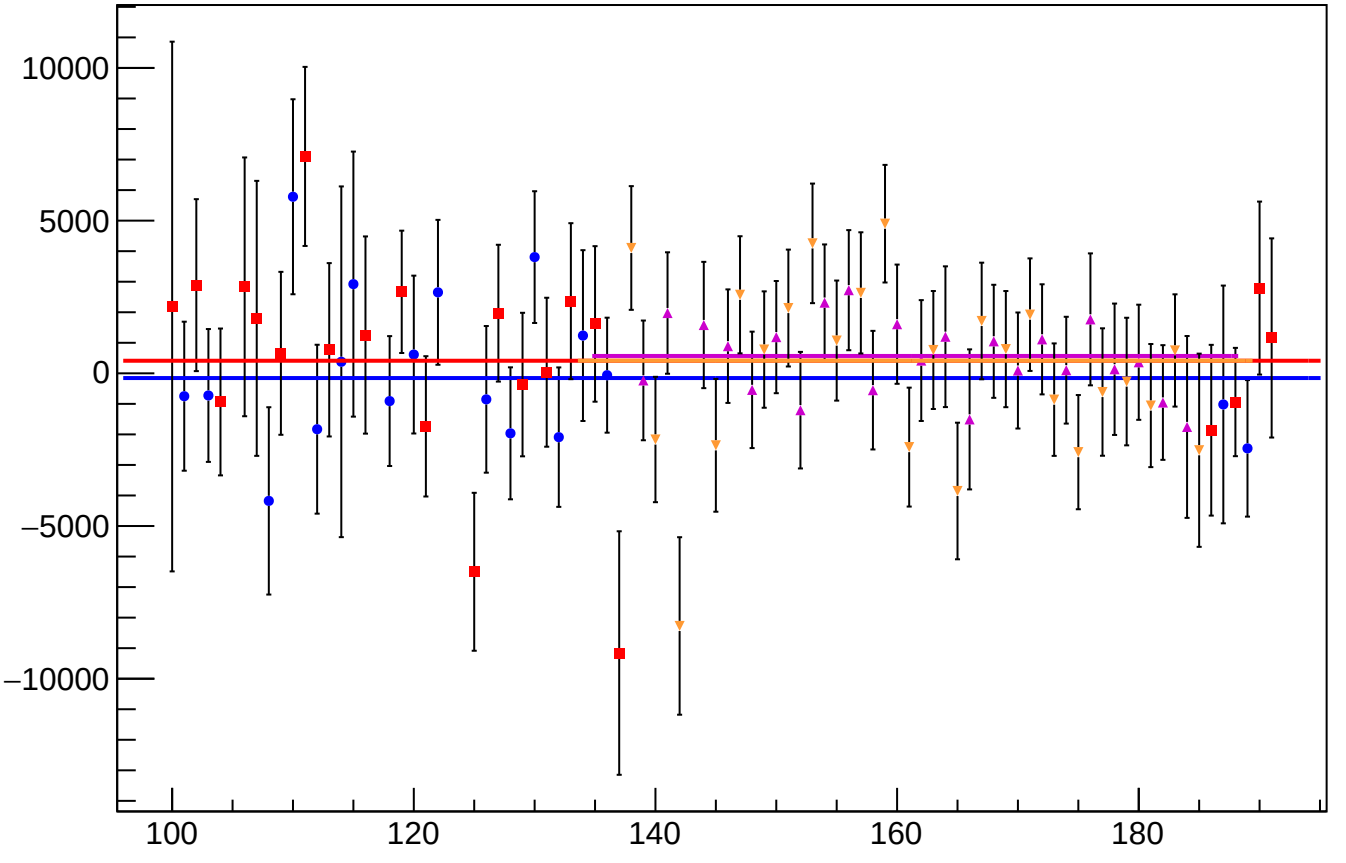
Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 974.885+/-0.228 χ^2/NDF: 35717060.7/42

All: 860.555+/-0.156 χ^2/NDF: 78219129.0/88

- sign 761.191+/-0.213 χ^2/NDF: 42032337.3/45

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: 412.116+/-571.085 χ^2/NDF: 25.3/21

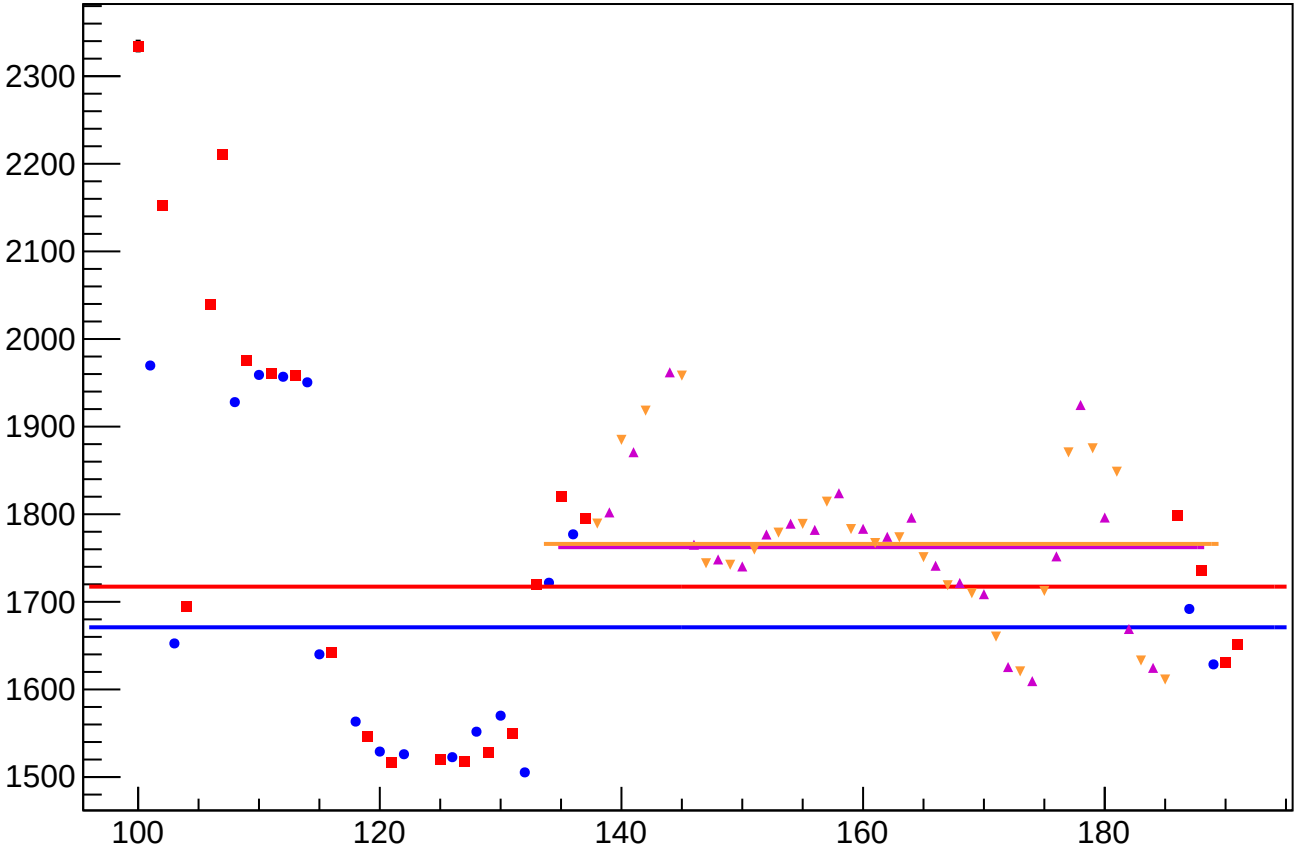
Left In: 568.823+/-412.052 χ^2/NDF:7.7/22

+ sign 230.480+/-338.062 χ^2/NDF: 54.6/41

All: 374.481+/-237.652 χ^2/NDF: 88.1/86

- sign 515.172+/-334.153 χ^2/NDF: 33.1/44

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: 1717.337+/-0.403 χ^2/NDF: 232248.2/21

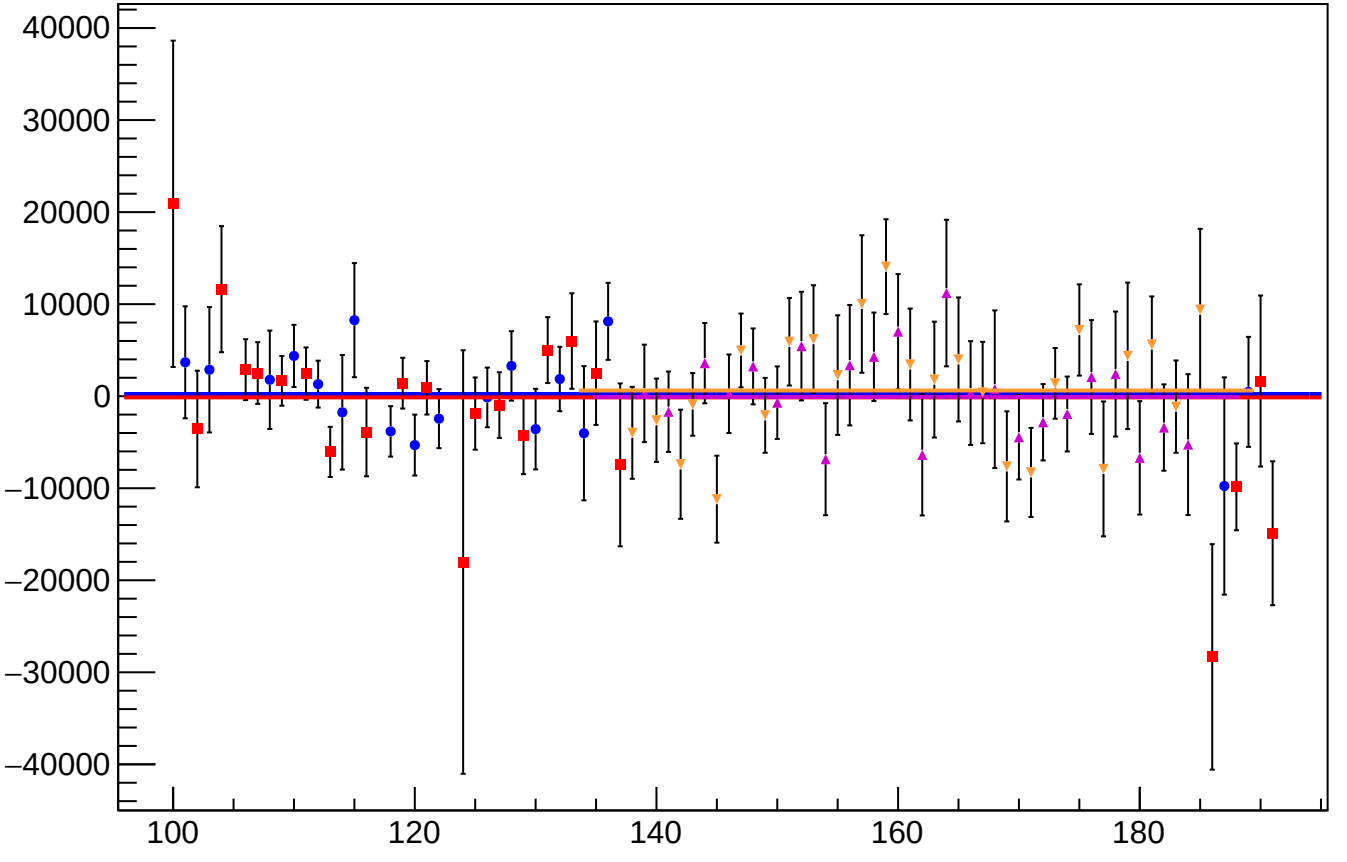
Left In: 1762.405+/-0.291 χ^2/NDF:80090.6/22

+ sign 1735.480+/-0.239 χ^2/NDF: 259537.1/41

All: 1741.280+/-0.168 χ^2/NDF: 581249.9/86

- sign 1746.939+/-0.236 χ^2/NDF: 320549.8/44

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: -129.901+/-857.709 χ^2/NDF: 32.5/22

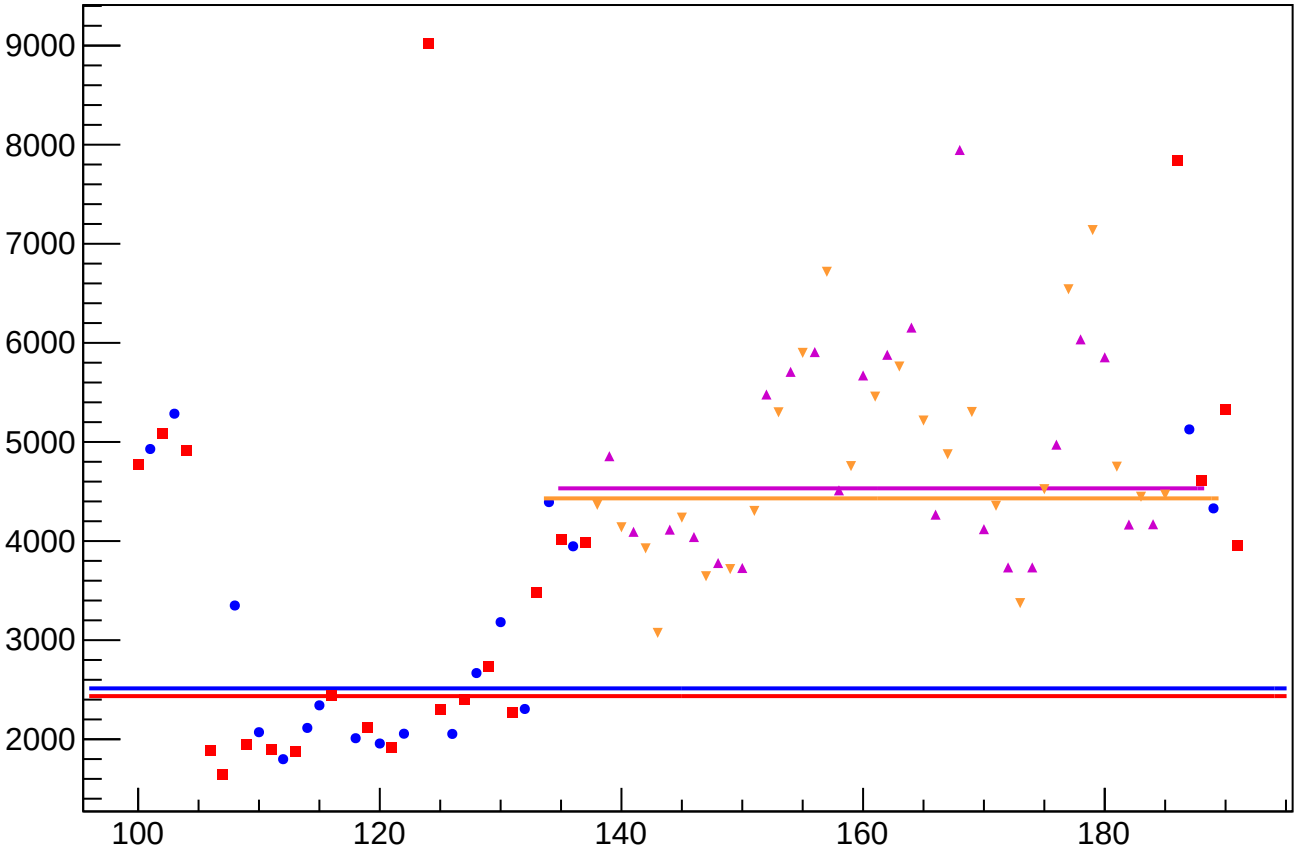
Left In: -85.511+/-1082.508 χ^2/NDF:12.9/22

+ sign 411.280+/-699.470 χ^2/NDF: 49.1/42

All: 138.860+/-484.695 χ^2/NDF: 94.8/88

- sign -112.781+/-672.264 χ^2/NDF: 45.4/45

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: 2435.325+/-0.606 χ^2/NDF: 2691313.2/22

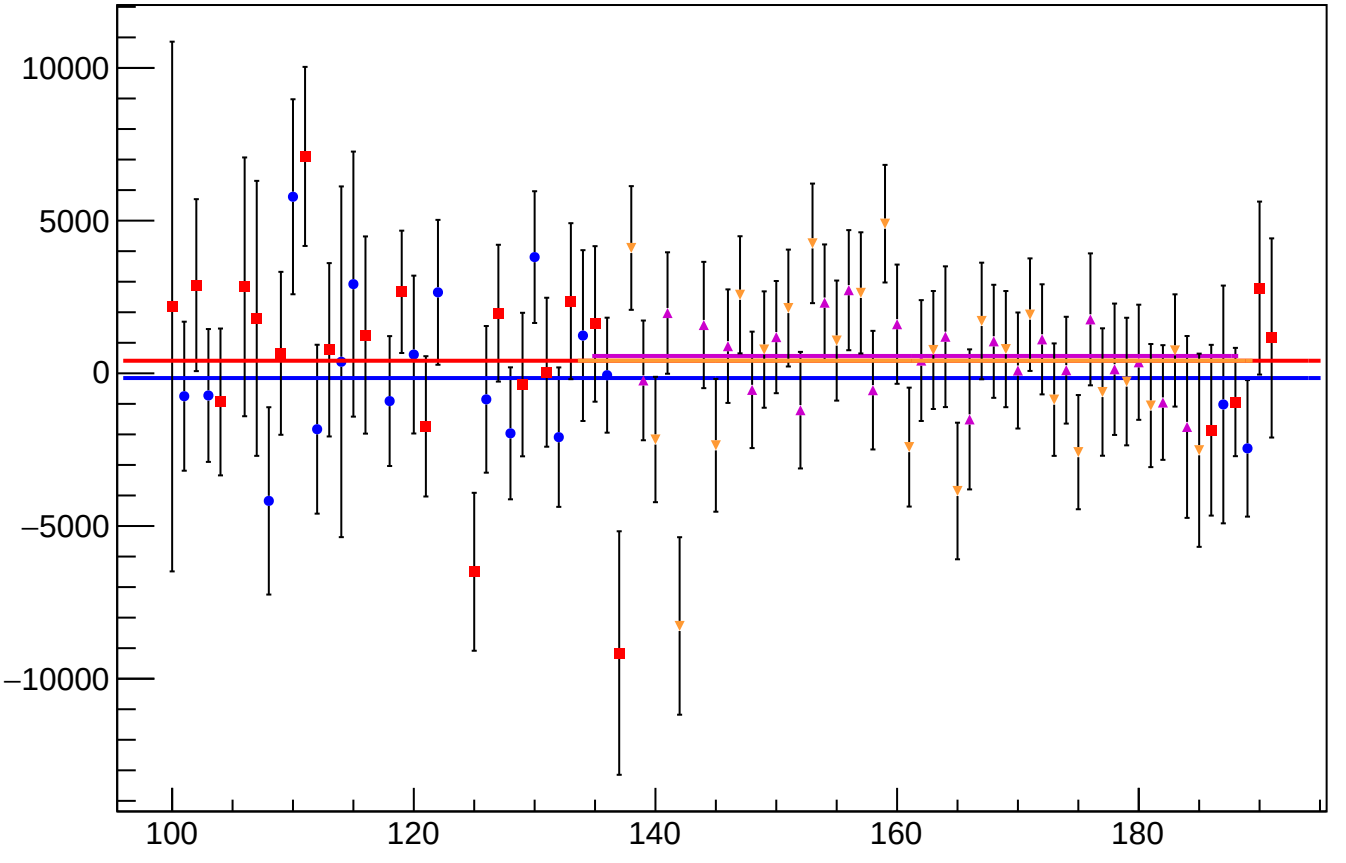
Left In: 4531.944+/-0.765 χ^2/NDF:1376472.2/22

\+ sign 3389.726+/-0.495 χ^2/NDF: 7152120.4/42

All: 3313.938+/-0.343 χ^2/NDF: 15874079.1/8

\- sign 3243.932+/-0.475 χ^2/NDF: 8676791.3/45

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: 412.117+/-571.085 χ^2/NDF: 25.3/21

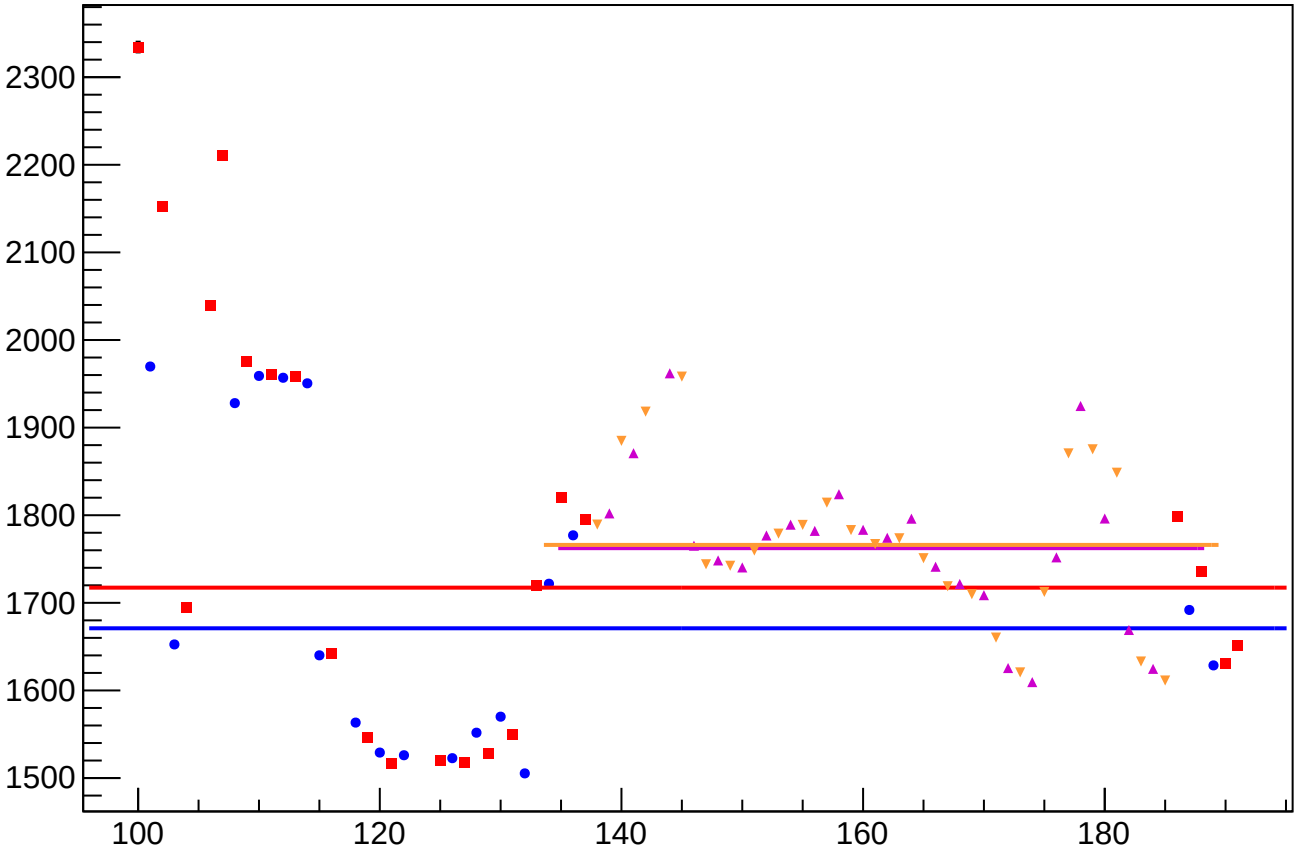
Left In: 568.821+/-412.052 χ^2/NDF:7.7/22

+ sign 230.480+/-338.062 χ^2/NDF: 54.6/41

All: 374.481+/-237.652 χ^2/NDF: 88.1/86

- sign 515.172+/-334.153 χ^2/NDF: 33.1/44

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: 1717.337+/-0.403 χ^2/NDF: 232247.5/21

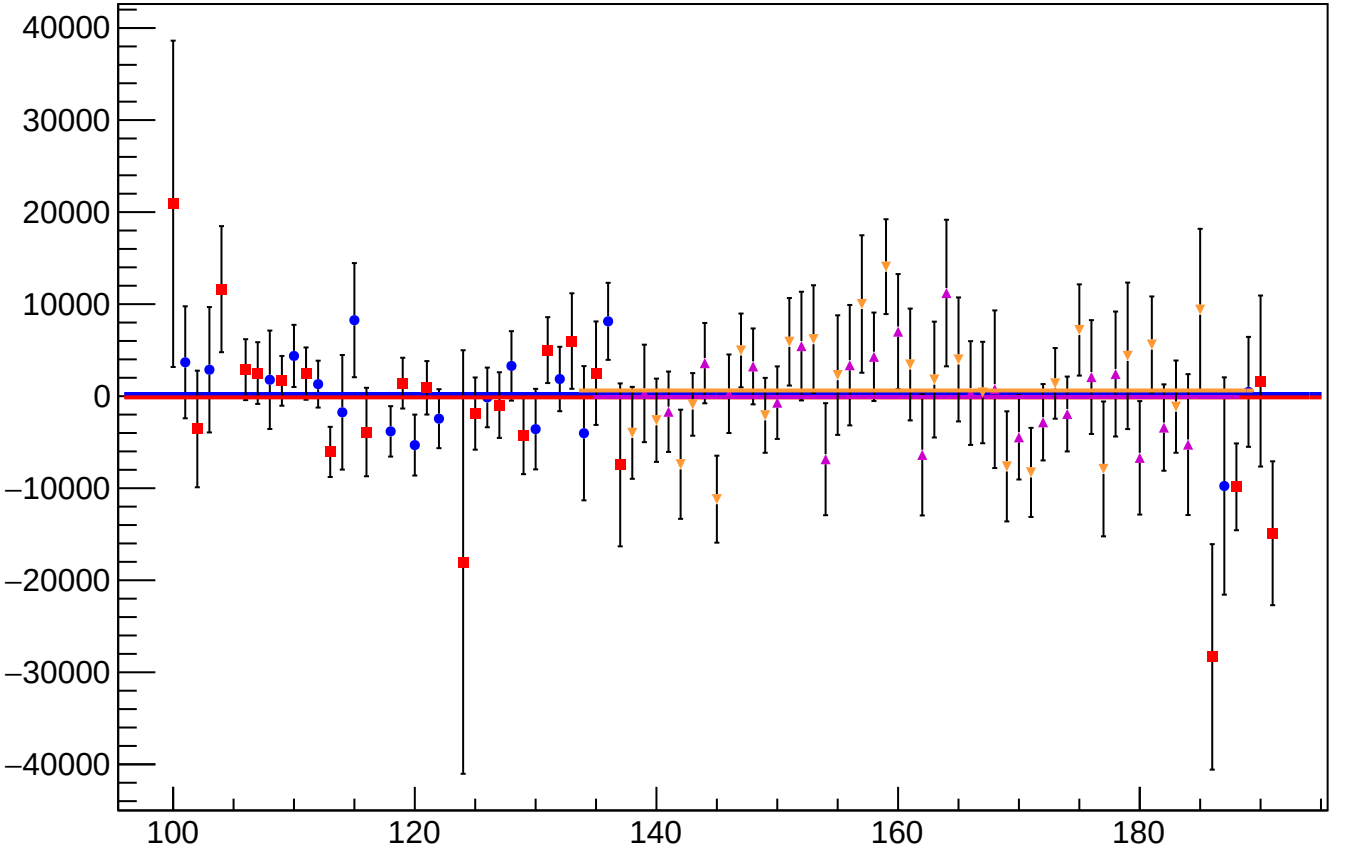
Left In: 1762.406+/-0.291 χ^2/NDF:80093.2/22

+ sign 1735.481+/-0.239 χ^2/NDF: 259541.0/41

All: 1741.280+/-0.168 χ^2/NDF: 581256.1/86

- sign 1746.939+/-0.236 χ^2/NDF: 320552.2/44

asym_atl_dd_eigen_dit_correction_mean vs Slug



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: -129.894+/-857.706 χ^2/NDF: 32.5/22

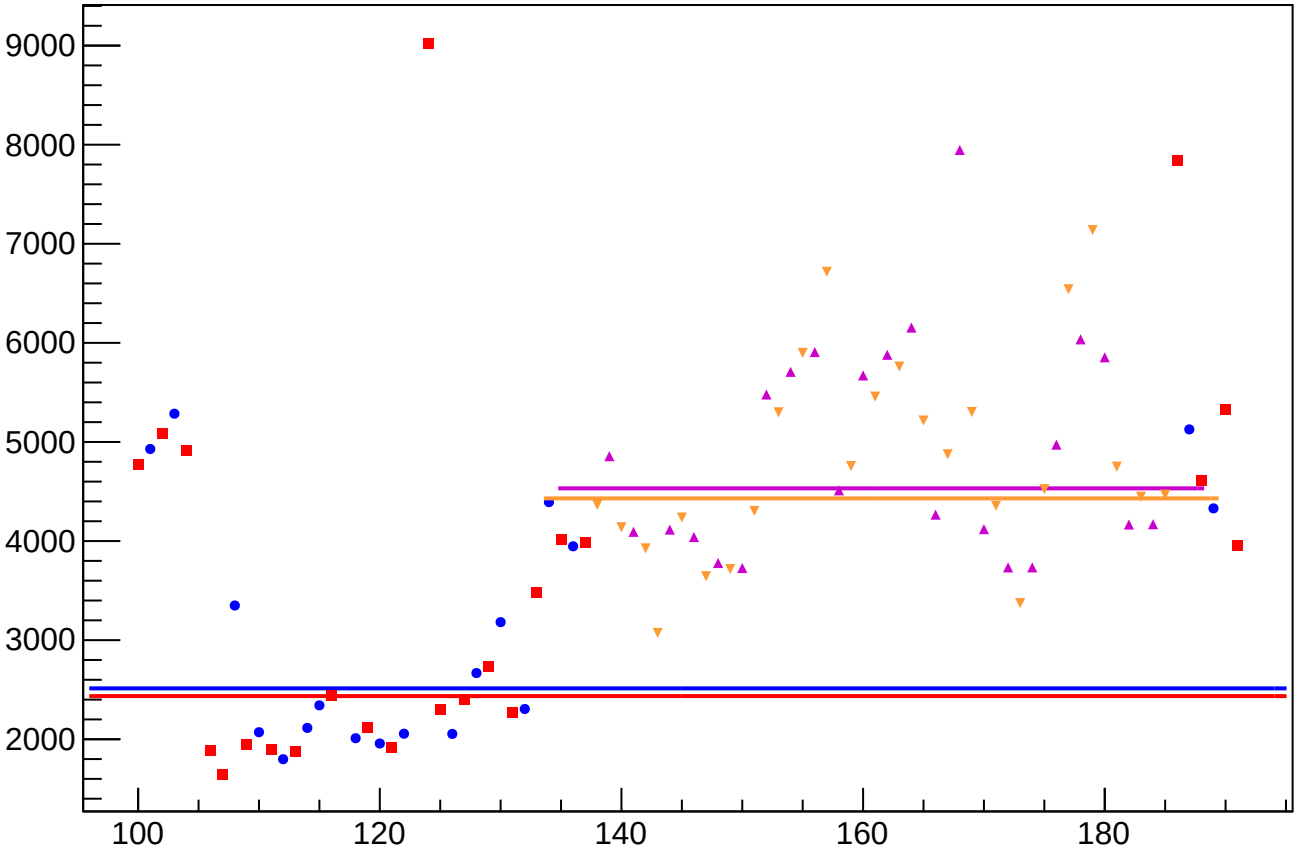
Left In: -85.511+/-1082.509 χ^2/NDF:12.9/22

+ sign 411.278+/-699.469 χ^2/NDF: 49.1/42

All: 138.861+/-484.695 χ^2/NDF: 94.8/88

- sign -112.777+/-672.264 χ^2/NDF: 45.4/45

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: 2435.315+/-0.606 χ^2/NDF: 2691329.0/22

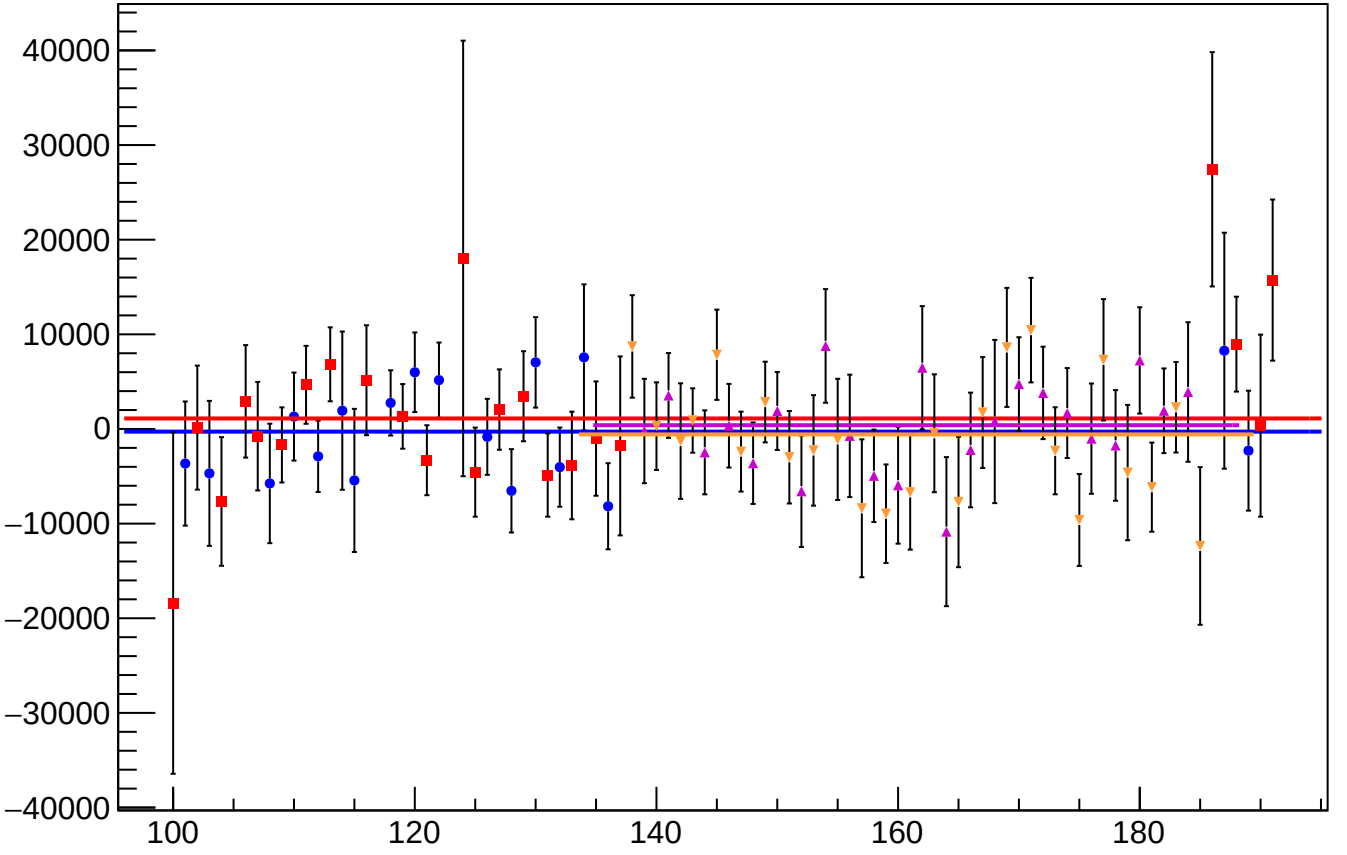
Left In: 4531.951+/-0.765 χ^2/NDF:1376473.4/22

\+ sign 3389.718+/-0.495 χ^2/NDF: 7152214.5/42

All: 3313.931+/-0.343 χ^2/NDF: 15874263.9/8

\- sign 3243.924+/-0.475 χ^2/NDF: 8676882.1/45

asym_atl_dd_mean vs Slug



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: 1111.449+/-1102.870 χ^2/NDF: 23.4/22

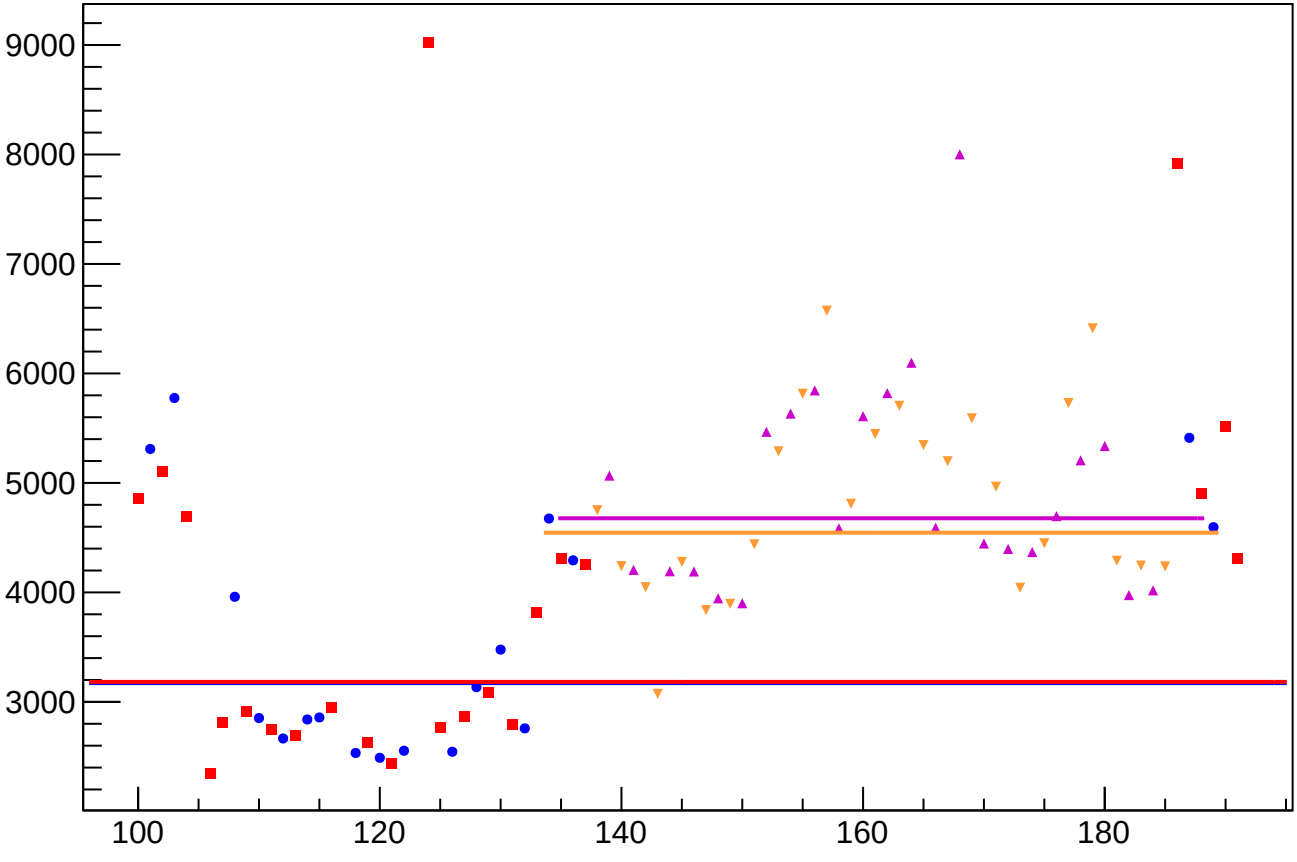
Left In: 398.404+/-1109.490 χ^2/NDF:14.0/22

+ sign -441.927+/-783.836 χ^2/NDF: 46.0/42

All: 158.837+/-553.668 χ^2/NDF: 84.7/88

- sign 757.060+/-782.177 χ^2/NDF: 37.6/45

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

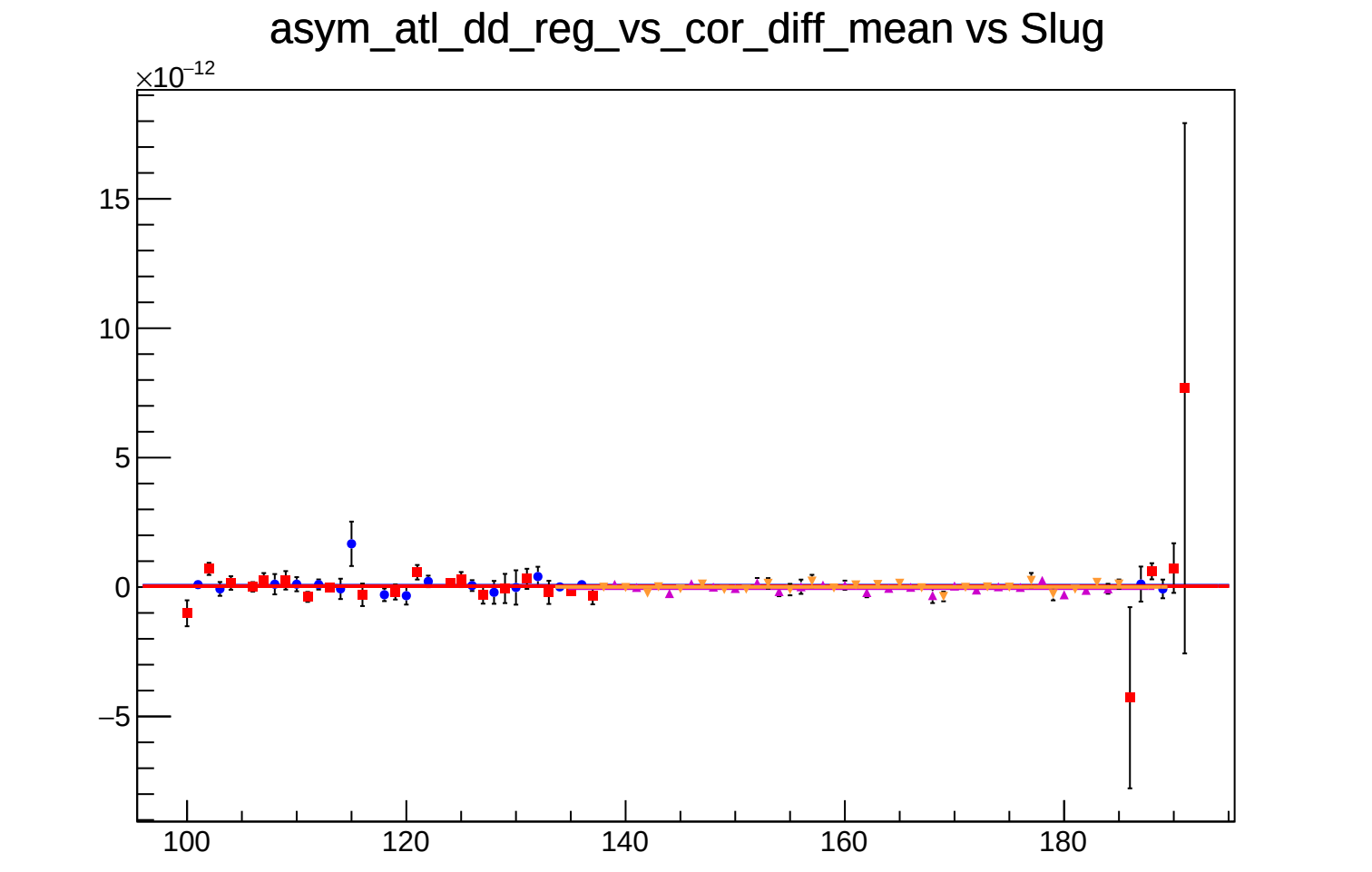
Right Out: 3182.491+/-0.770 χ^2/NDF: 1540321.5/22

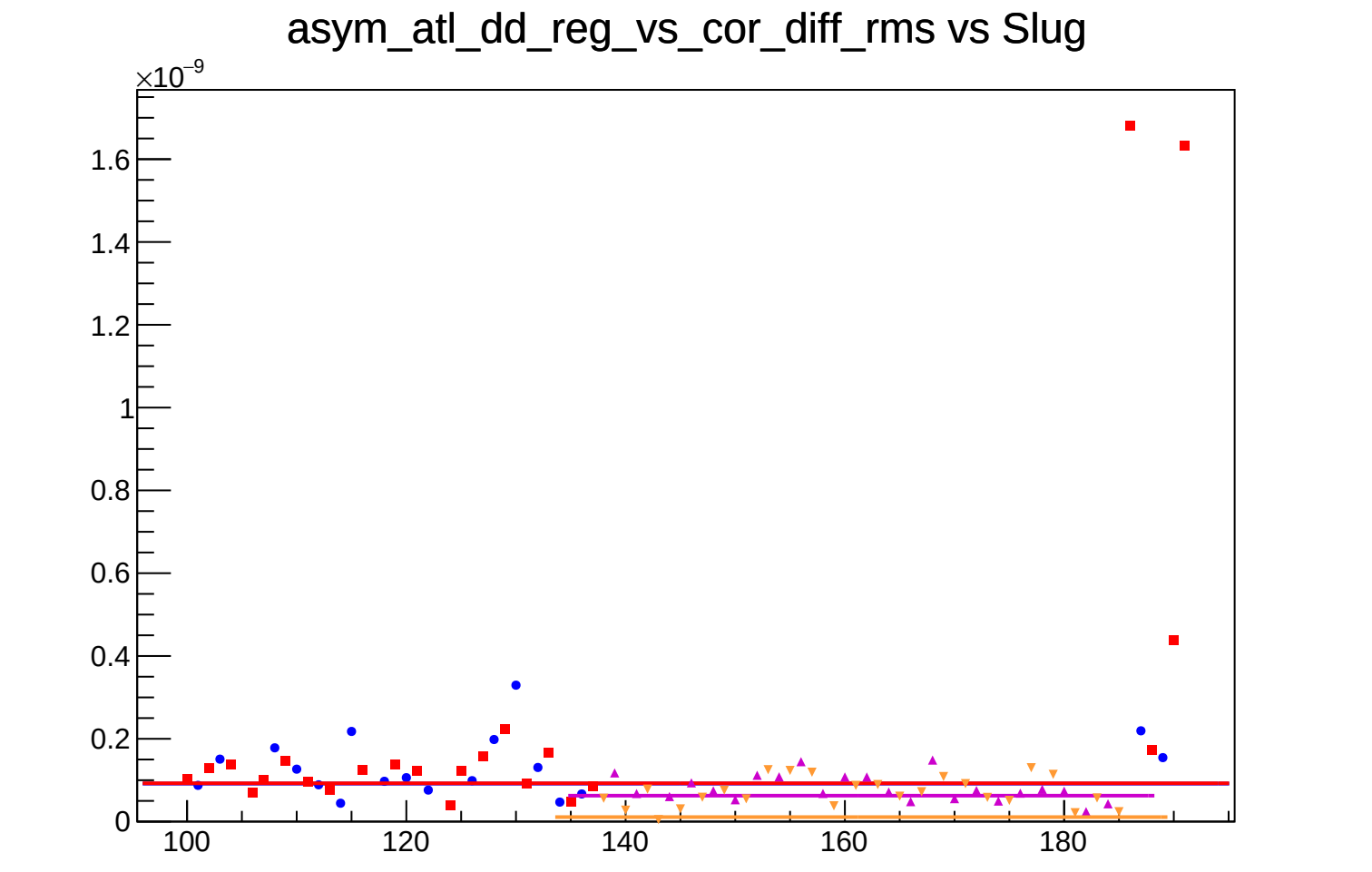
Left In: 4677.049+/-0.785 χ^2/NDF:959885.7/22

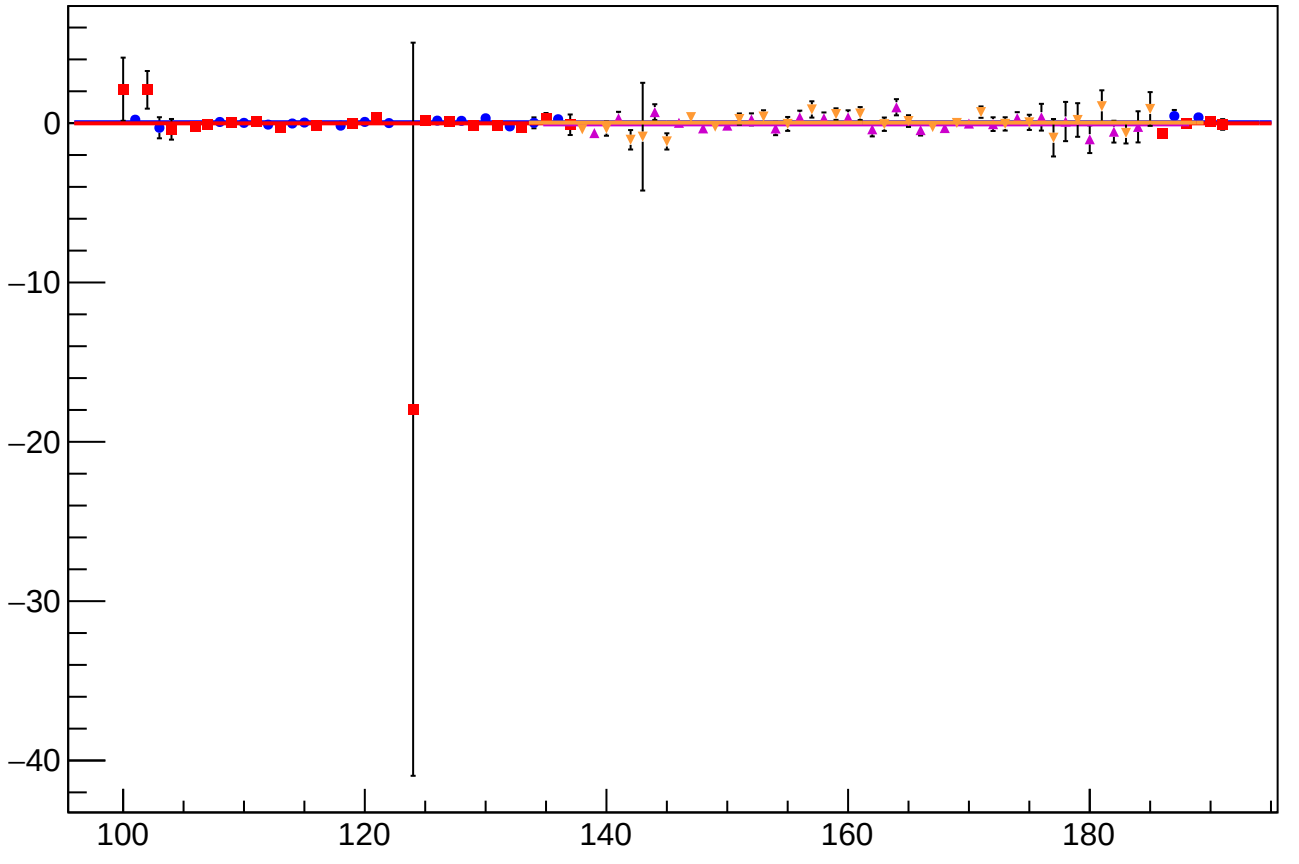
+ sign 3930.258+/-0.554 χ^2/NDF: 3914232.7/42

All: 3923.074+/-0.390 χ^2/NDF: 8262781.0/88

- sign 3916.009+/-0.550 χ^2/NDF: 4348215.0/45


asym_atl_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
15
10
5
0
−5
100
120
140
160
180
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: 36.2/22
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: 88.7/88
- sign -0.000+/-0.000 χ²/NDF: 58.4/45


asym_atl_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 1085035.0/17
Left Out: 0.000+/-0.000 χ²/NDF:9705530.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 1873010.9/22
Left In: 0.000+/-0.000 χ²/NDF:2092071.7/22
+ sign 0.000+/-0.000 χ²/NDF: 14919821.5/42
All: 0.000+/-0.000 χ²/NDF: 29287314.0/88
- sign 0.000+/-0.000 χ²/NDF: 4450666.3/45



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: -0.012+/-0.037 χ^2/NDF: 28.4/22

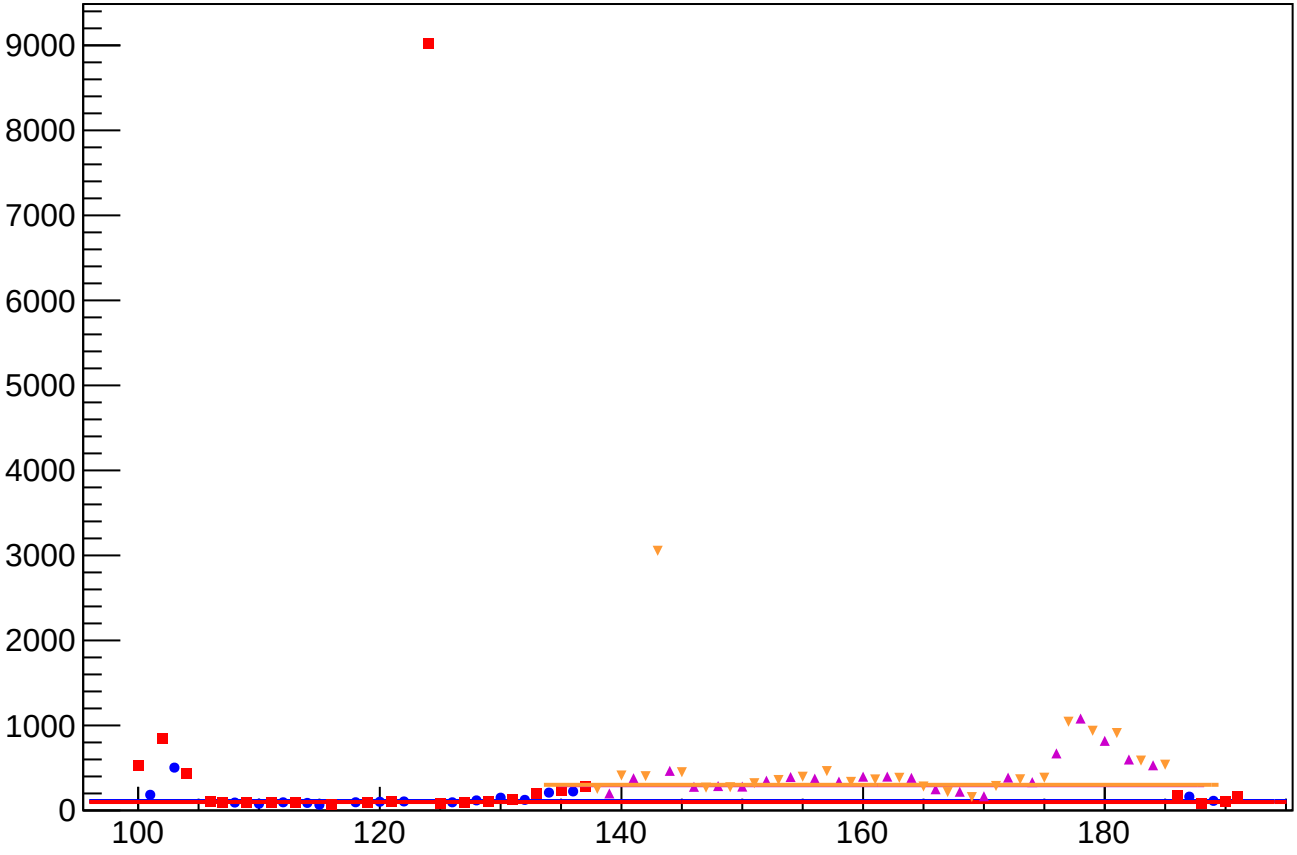
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.053+/-0.038 χ^2/NDF: 43.6/42

All: 0.009+/-0.025 χ^2/NDF: 99.2/88

- sign -0.025+/-0.033 χ^2/NDF: 53.1/45

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: 99.118+/-0.026 χ^2/NDF: 2974902.9/22

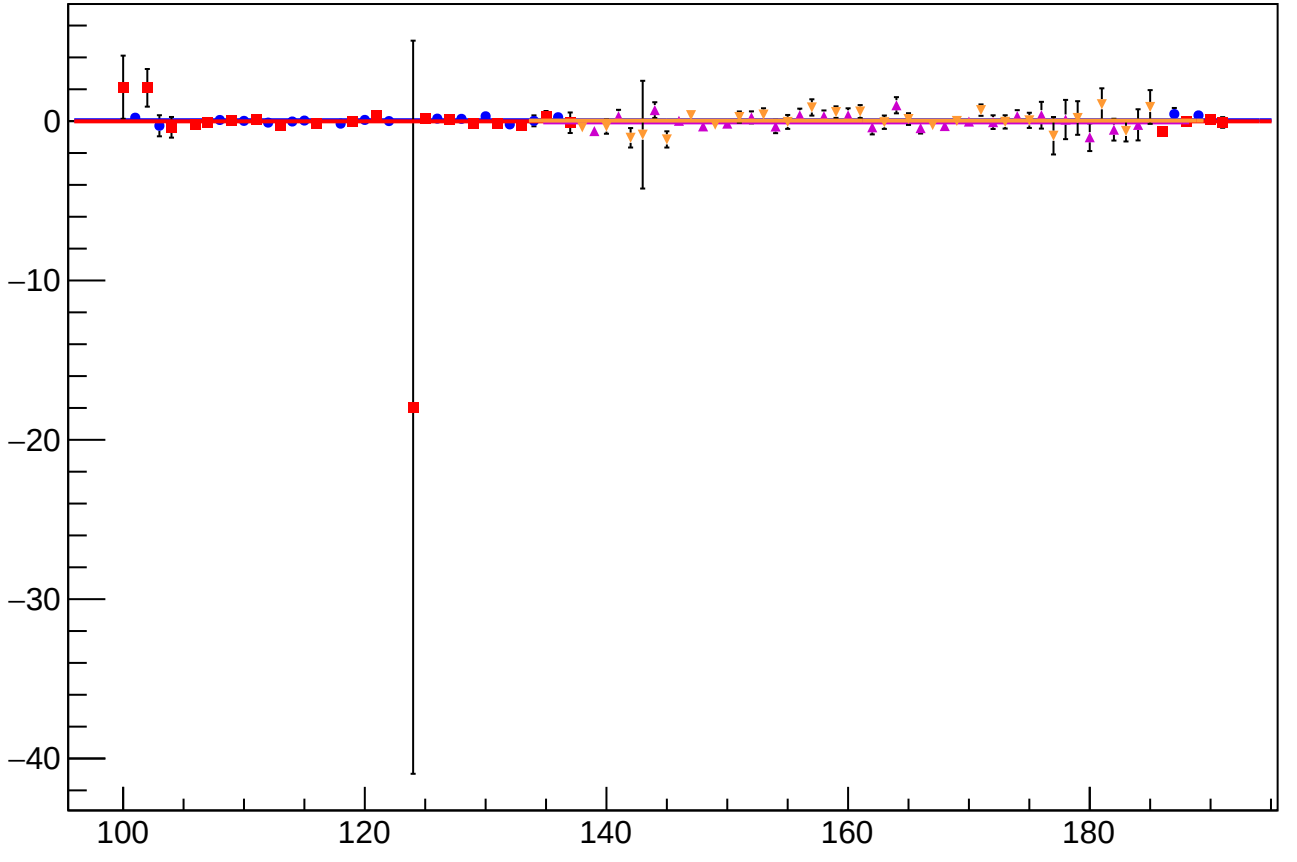
Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

+ sign 156.813+/-0.027 χ^2/NDF: 18007912.2/42

All: 145.917+/-0.018 χ^2/NDF: 37191974.4/88

- sign 137.418+/-0.024 χ^2/NDF: 18887298.4/45

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: -0.012+/-0.037 χ^2/NDF: 28.4/22

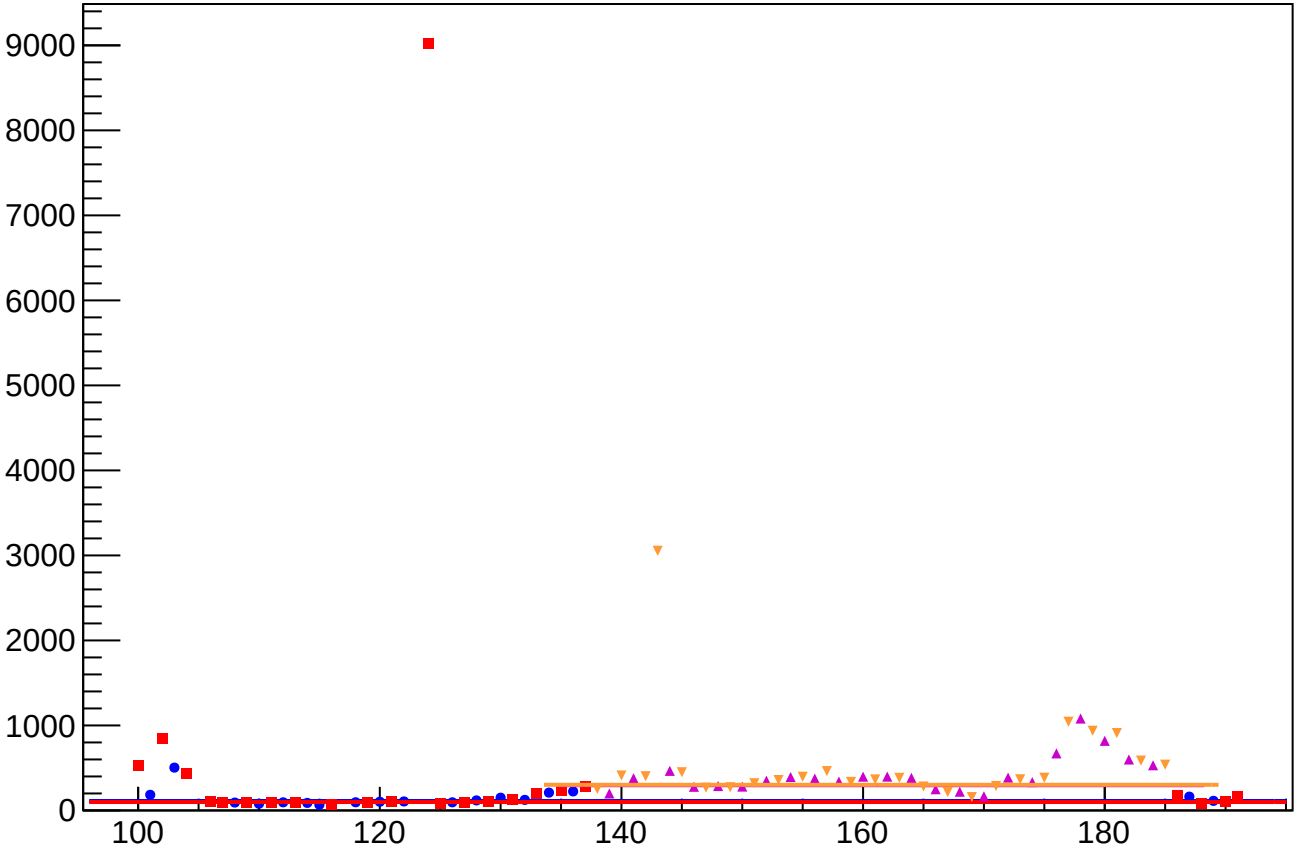
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.053+/-0.038 χ^2/NDF: 43.6/42

All: 0.009+/-0.025 χ^2/NDF: 99.2/88

- sign -0.025+/-0.033 χ^2/NDF: 53.1/45

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

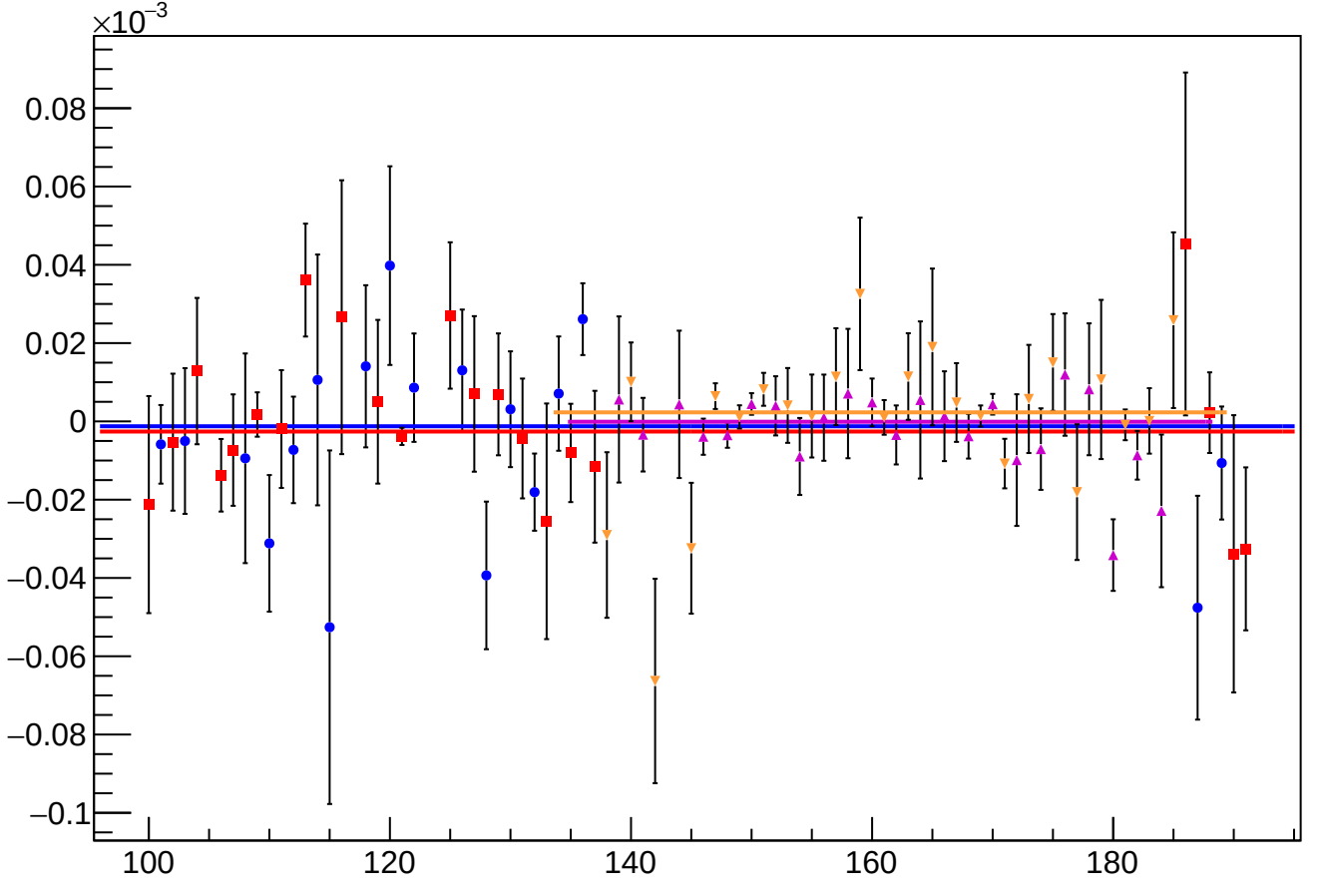
Right Out: 99.118+/-0.026 χ^2/NDF: 2974902.9/22

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

+ sign 156.813+/-0.027 χ^2/NDF: 18007912.2/42

All: 145.917+/-0.018 χ^2/NDF: 37191974.4/88

- sign 137.418+/-0.024 χ^2/NDF: 18887298.4/45



Right In: -0.000+/-0.000 χ^2/NDF: 28.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:31.2/23

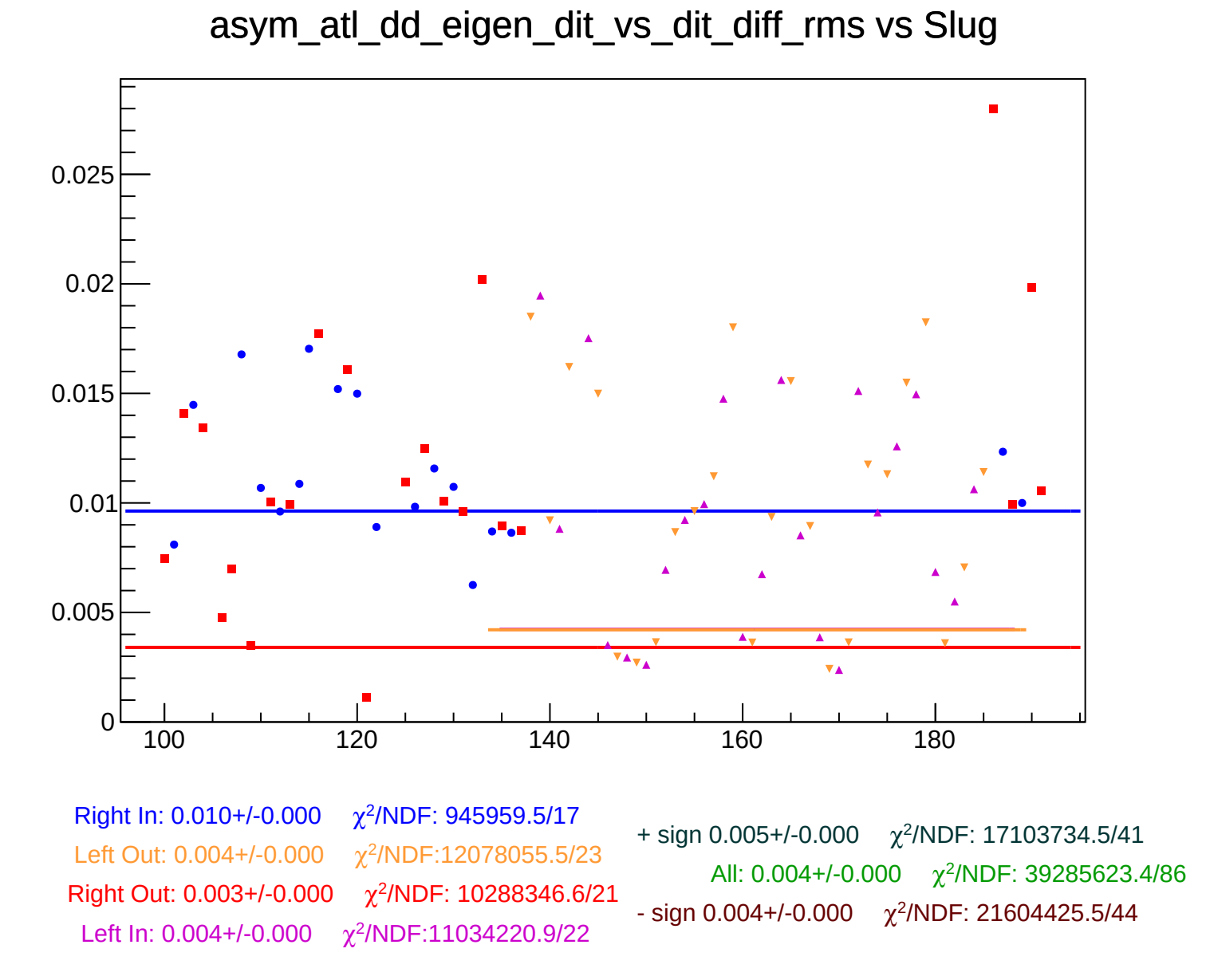
Right Out: -0.000+/-0.000 χ^2/NDF: 20.0/21

Left In: -0.000+/-0.000 χ^2/NDF:29.1/22

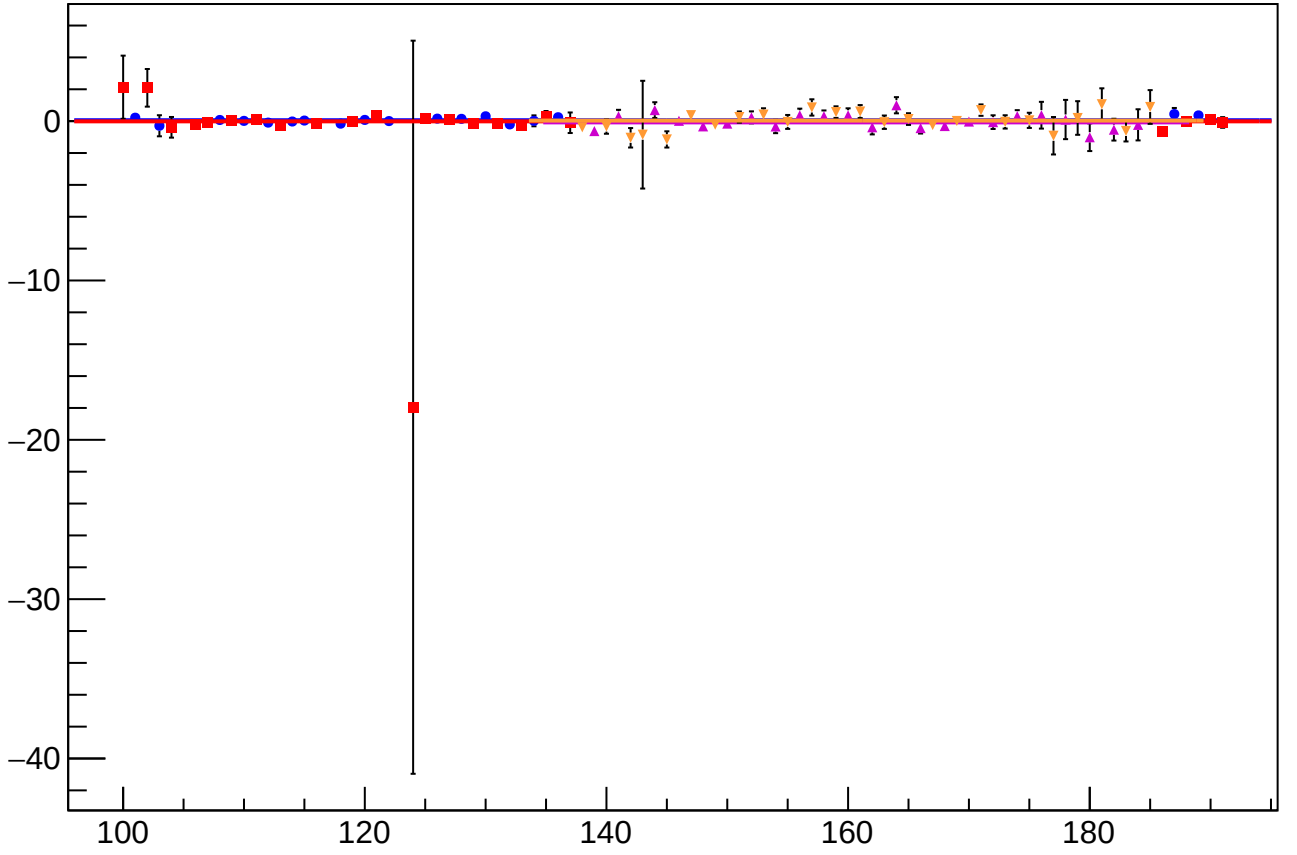
+ sign 0.000+/-0.000 χ^2/NDF: 60.8/41

All: 0.000+/-0.000 χ^2/NDF: 114.5/86

- sign -0.000+/-0.000 χ^2/NDF: 50.4/44


asym_atl_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
0
100
120
140
160
180
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: 10288346.6/21
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: 39285623.4/86
- sign 0.004+/-0.000 χ²/NDF: 21604425.5/44

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: -0.012+/-0.037 χ^2/NDF: 28.4/22

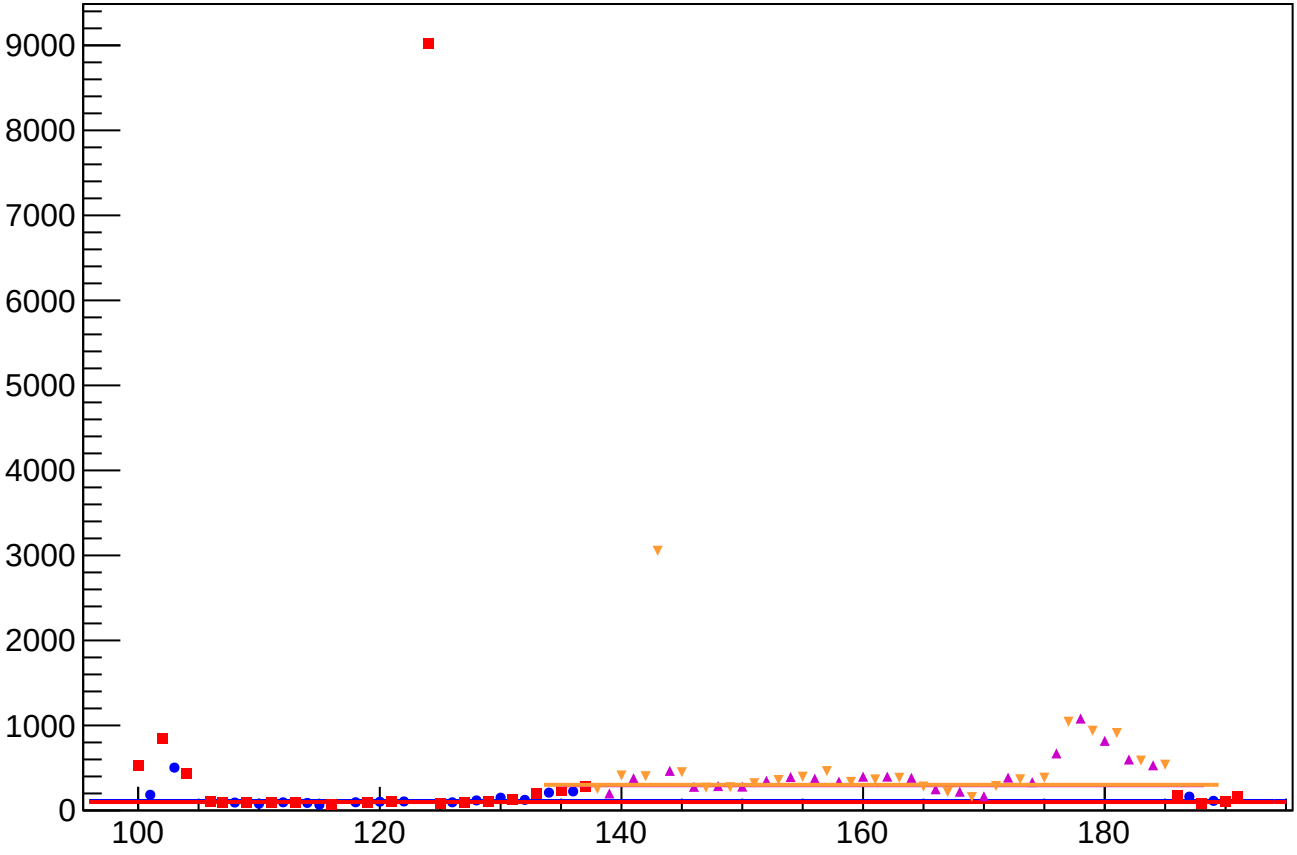
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.053+/-0.038 χ^2/NDF: 43.6/42

All: 0.009+/-0.025 χ^2/NDF: 99.2/88

- sign -0.025+/-0.033 χ^2/NDF: 53.1/45

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

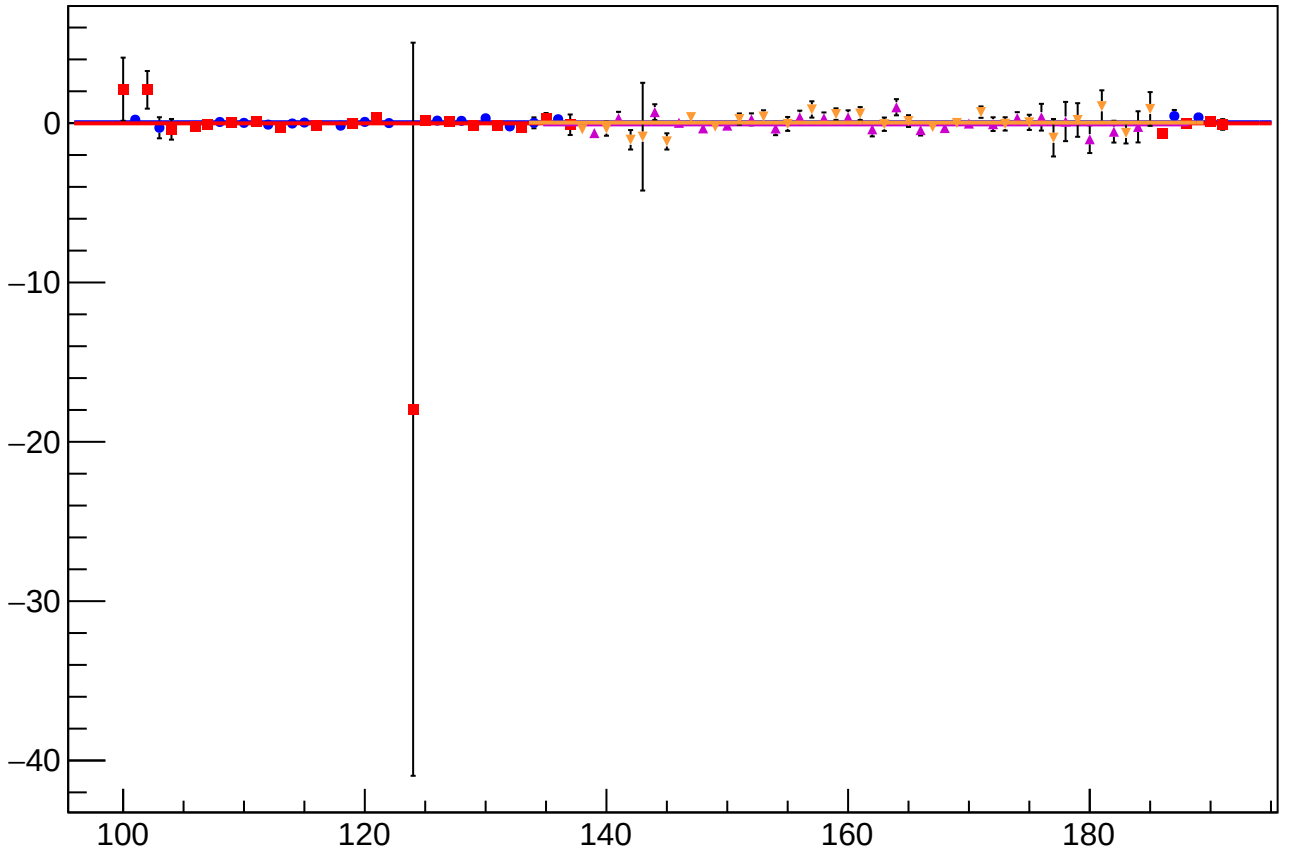
Right Out: 99.119+/-0.026 χ^2/NDF: 2974762.0/22

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 156.813+/-0.027 χ^2/NDF: 18007953.0/42

All: 145.918+/-0.018 χ^2/NDF: 37191913.7/88

- sign 137.419+/-0.024 χ^2/NDF: 18887211.8/45



Right In: 0.058+/-0.043 χ^2/NDF: 13.9/17

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

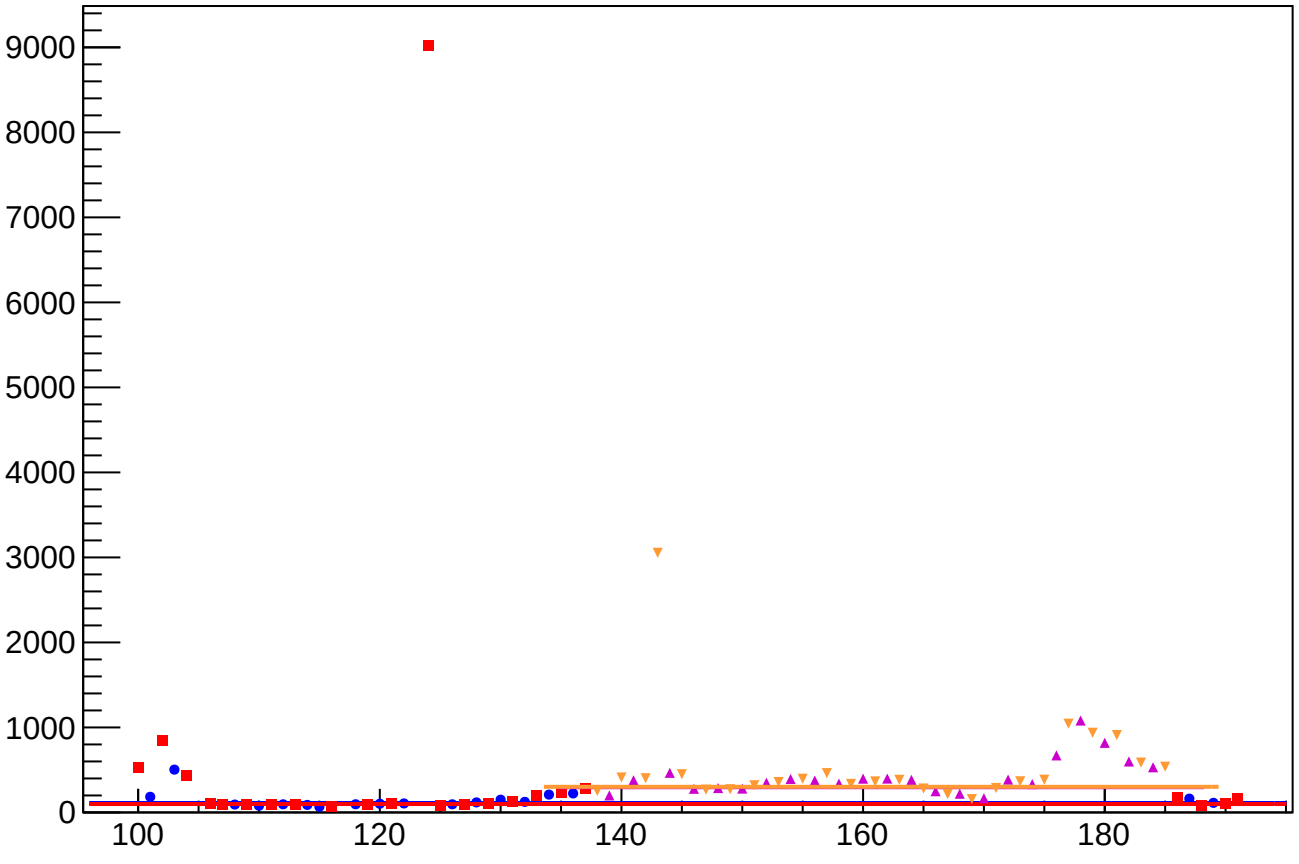
Right Out: -0.012+/-0.037 χ^2/NDF: 28.4/22

Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.053+/-0.038 χ^2/NDF: 43.6/42

All: 0.009+/-0.025 χ^2/NDF: 99.2/88

- sign -0.025+/-0.033 χ^2/NDF: 53.1/45



Right In: 110.889+/-0.031 χ^2/NDF: 1968298.5/17

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

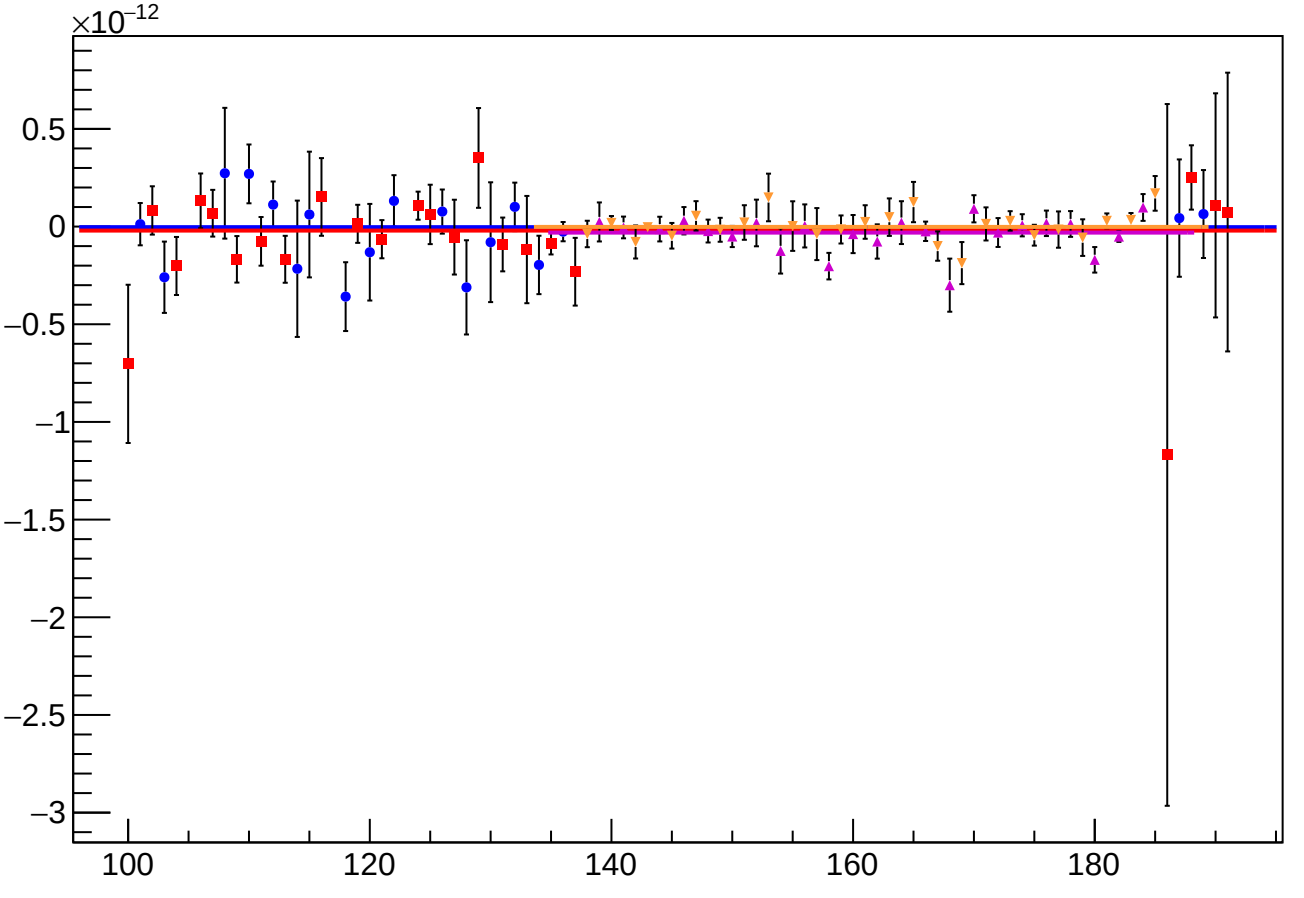
Right Out: 99.119+/-0.026 χ^2/NDF: 2974762.0/22

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 156.813+/-0.027 χ^2/NDF: 18007953.0/42

All: 145.918+/-0.018 χ^2/NDF: 37191913.7/88

- sign 137.419+/-0.024 χ^2/NDF: 18887211.8/45



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: 22.9/22

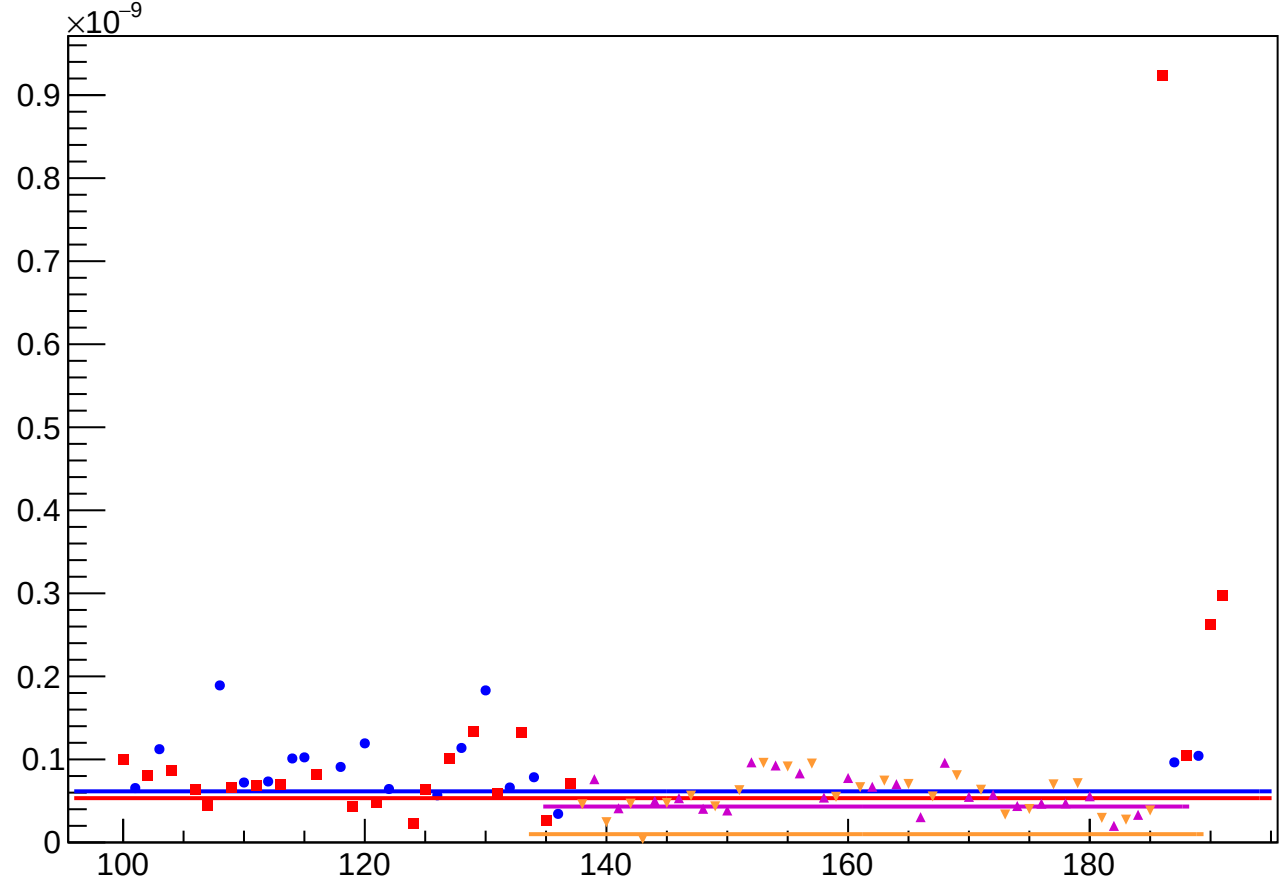
Left In: -0.000+/-0.000 χ^2/NDF:26.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.3/42

All: -0.000+/-0.000 χ^2/NDF: 89.2/88

- sign -0.000+/-0.000 χ^2/NDF: 49.4/45

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: 2845943.4/22

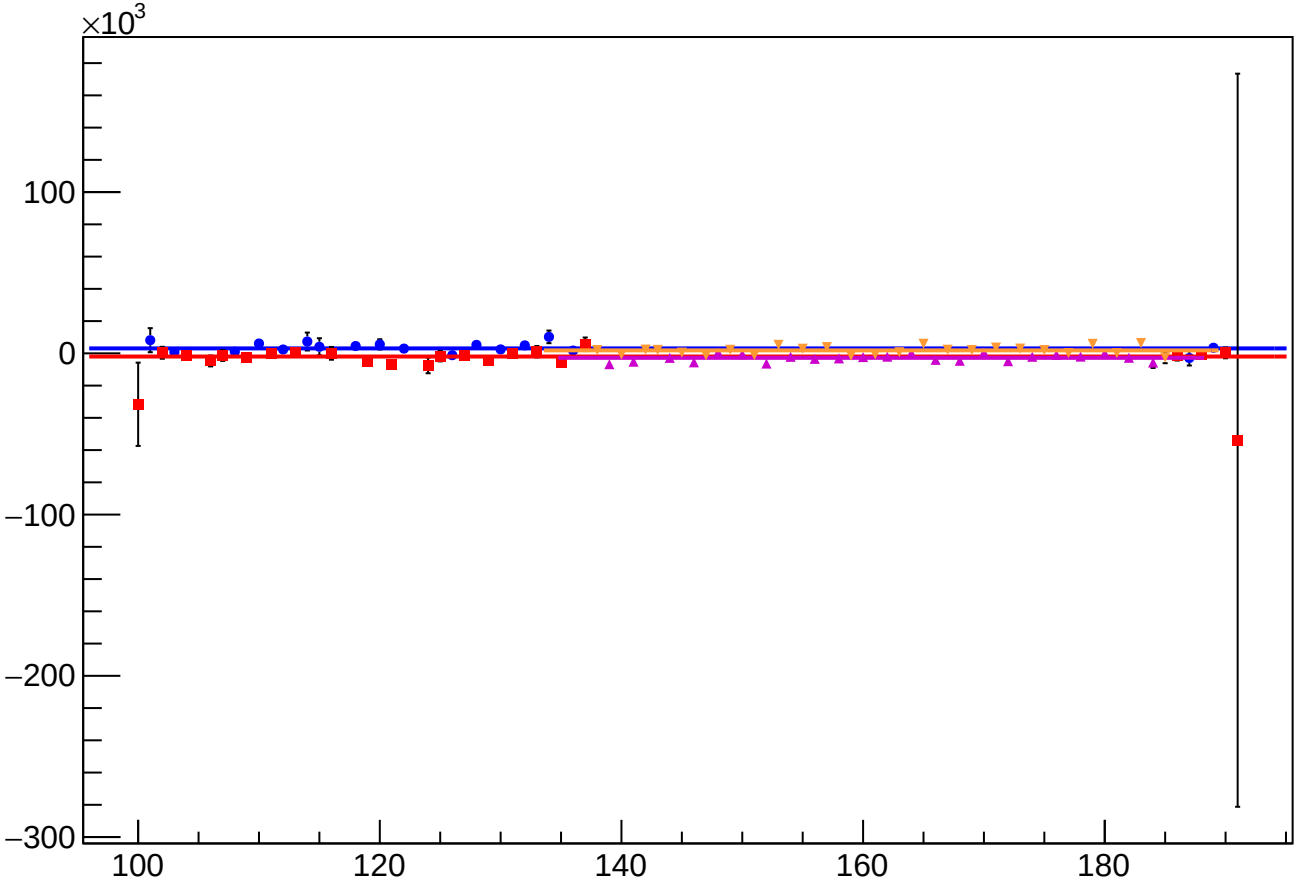
Left In: 0.000+/-0.000 χ^2/NDF:4049081.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 25668929.0/42

All: 0.000+/-0.000 χ^2/NDF: 46525683.0/88

- sign 0.000+/-0.000 χ^2/NDF: 7123475.5/45

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: -1969.344+/-647.292 χ^2/NDF: 17.6/22

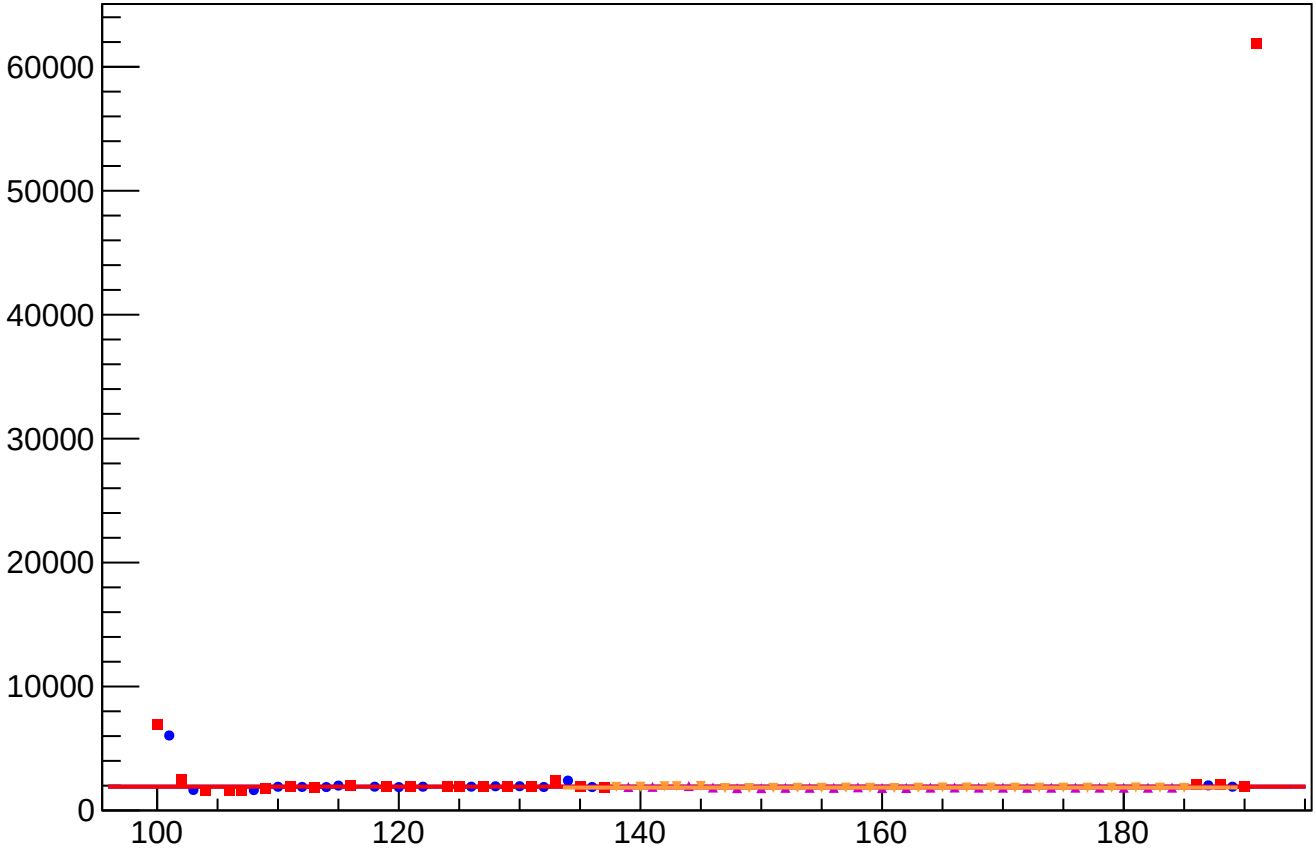
Left In: -2775.769+/-430.870 χ^2/NDF:25.4/22

+ sign 2176.112+/-359.671 χ^2/NDF: 47.1/42

All: -182.559+/-253.973 χ^2/NDF: 177.0/88

- sign -2528.162+/-358.673 χ^2/NDF: 44.1/45

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: 1920.681+/-0.456 χ^2/NDF: 396096.9/22

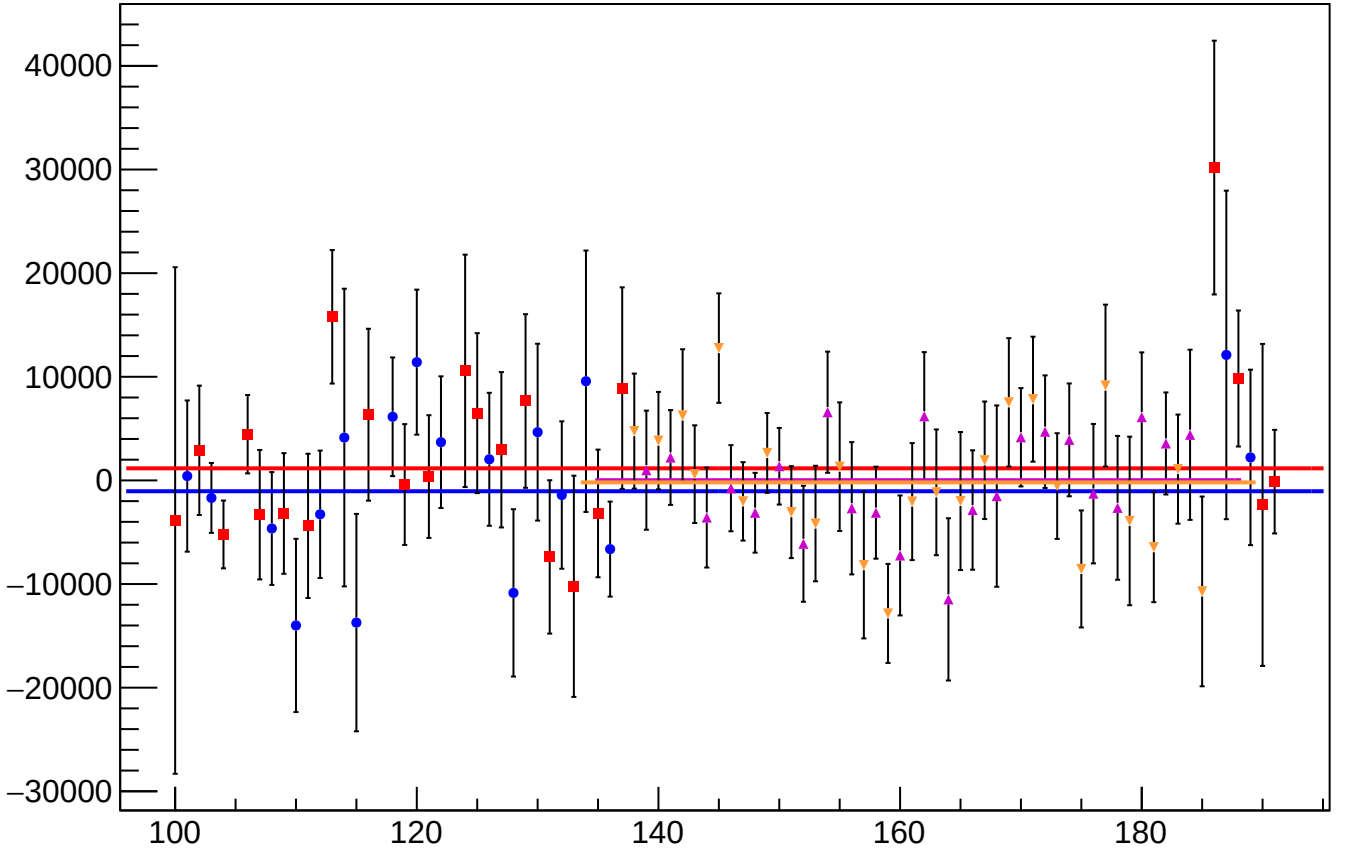
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1868.082+/-0.254 χ^2/NDF: 735447.0/42

All: 1868.228+/-0.180 χ^2/NDF: 1164561.2/88

- sign 1868.372+/-0.253 χ^2/NDF: 429113.6/45

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: 1164.328+/-1338.672 χ^2/NDF: 24.9/22

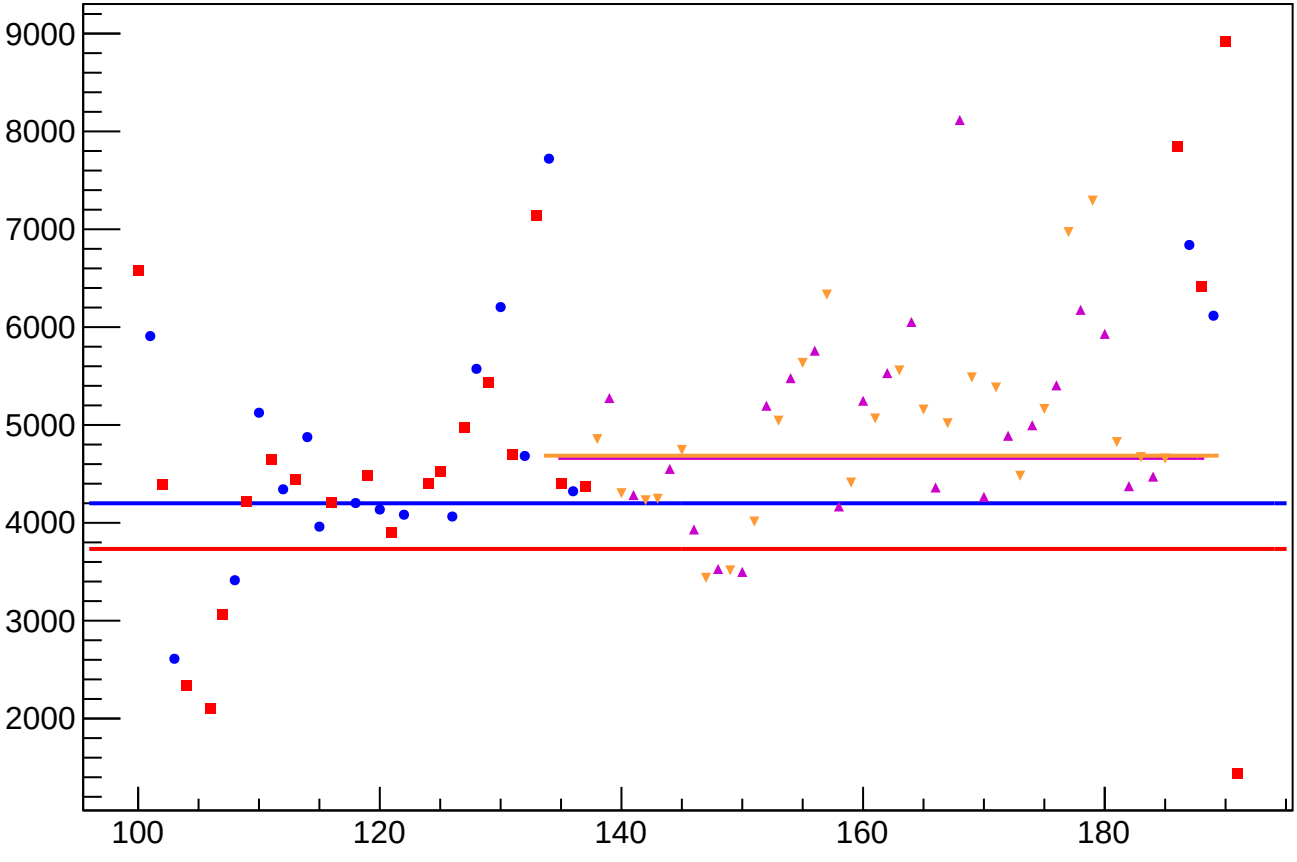
Left In: 19.391+/-1112.574 χ^2/NDF:13.7/22

+ sign -471.685+/-891.018 χ^2/NDF: 44.2/42

All: 27.141+/-617.157 χ^2/NDF: 84.0/88

- sign 487.144+/-855.641 χ^2/NDF: 39.1/45

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

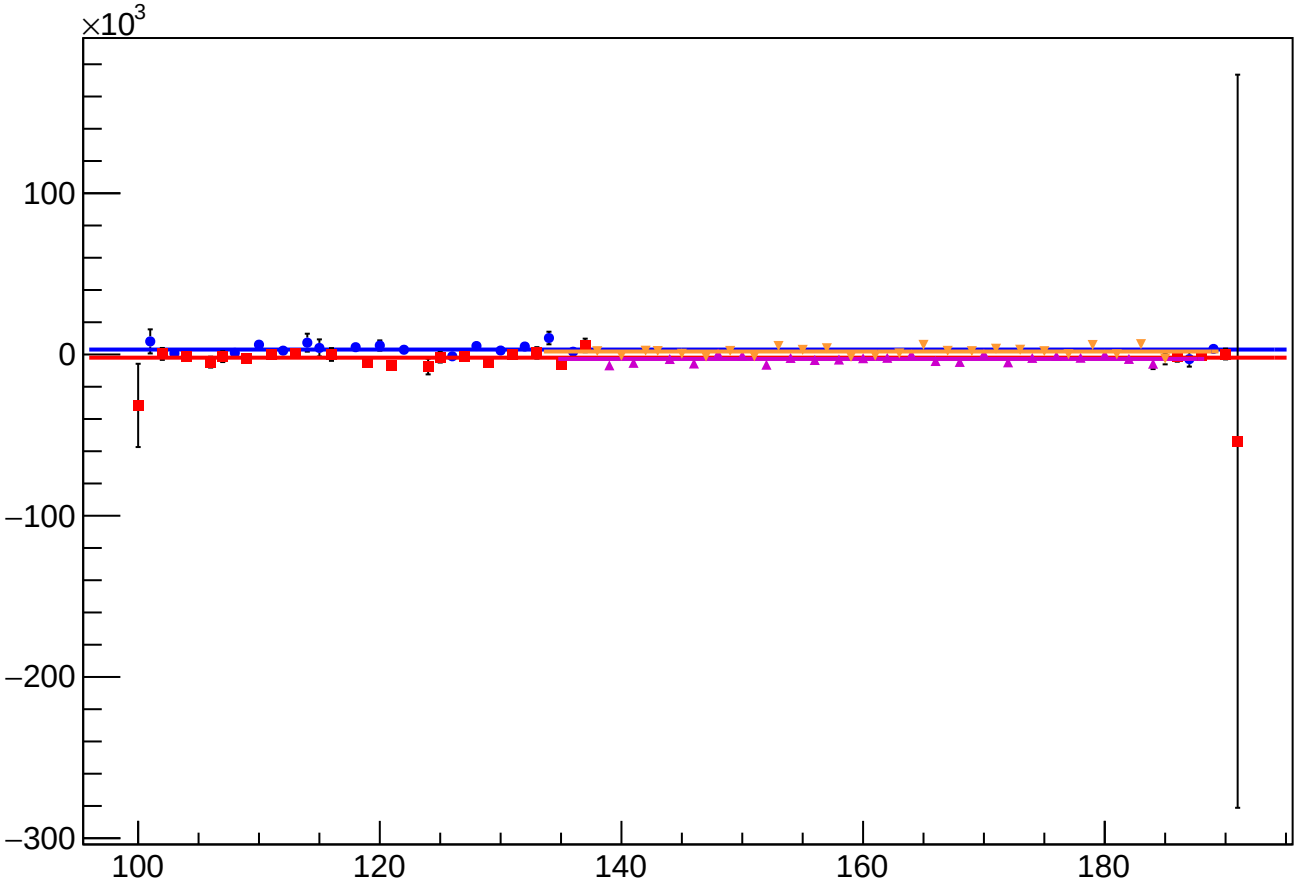
Right Out: 3733.209+/-0.947 χ^2/NDF: 2562913.7/22

Left In: 4663.272+/-0.787 χ^2/NDF:1286726.4/22

+ sign 4525.737+/-0.630 χ^2/NDF: 2438029.3/42

All: 4399.611+/-0.436 χ^2/NDF: 6935695.6/88

- sign 4283.302+/-0.605 χ^2/NDF: 4420636.9/45



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: -1970.241+/-647.295 χ^2/NDF: 17.6/22

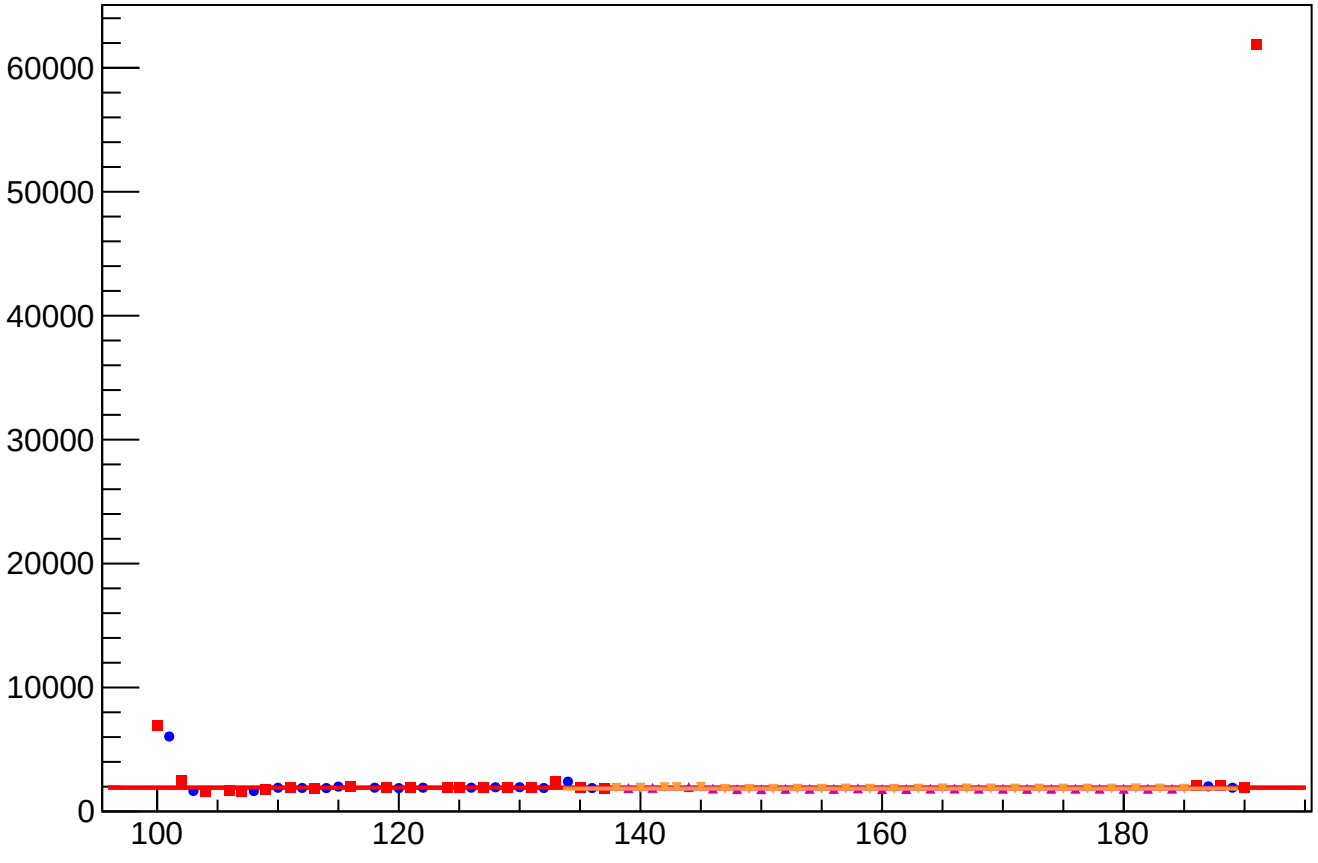
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2175.862+/-359.671 χ^2/NDF: 47.1/42

All: -182.812+/-253.973 χ^2/NDF: 177.0/88

- sign -2528.423+/-358.674 χ^2/NDF: 44.1/45

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: 1924.080+/-0.457 χ^2/NDF: 388671.1/22

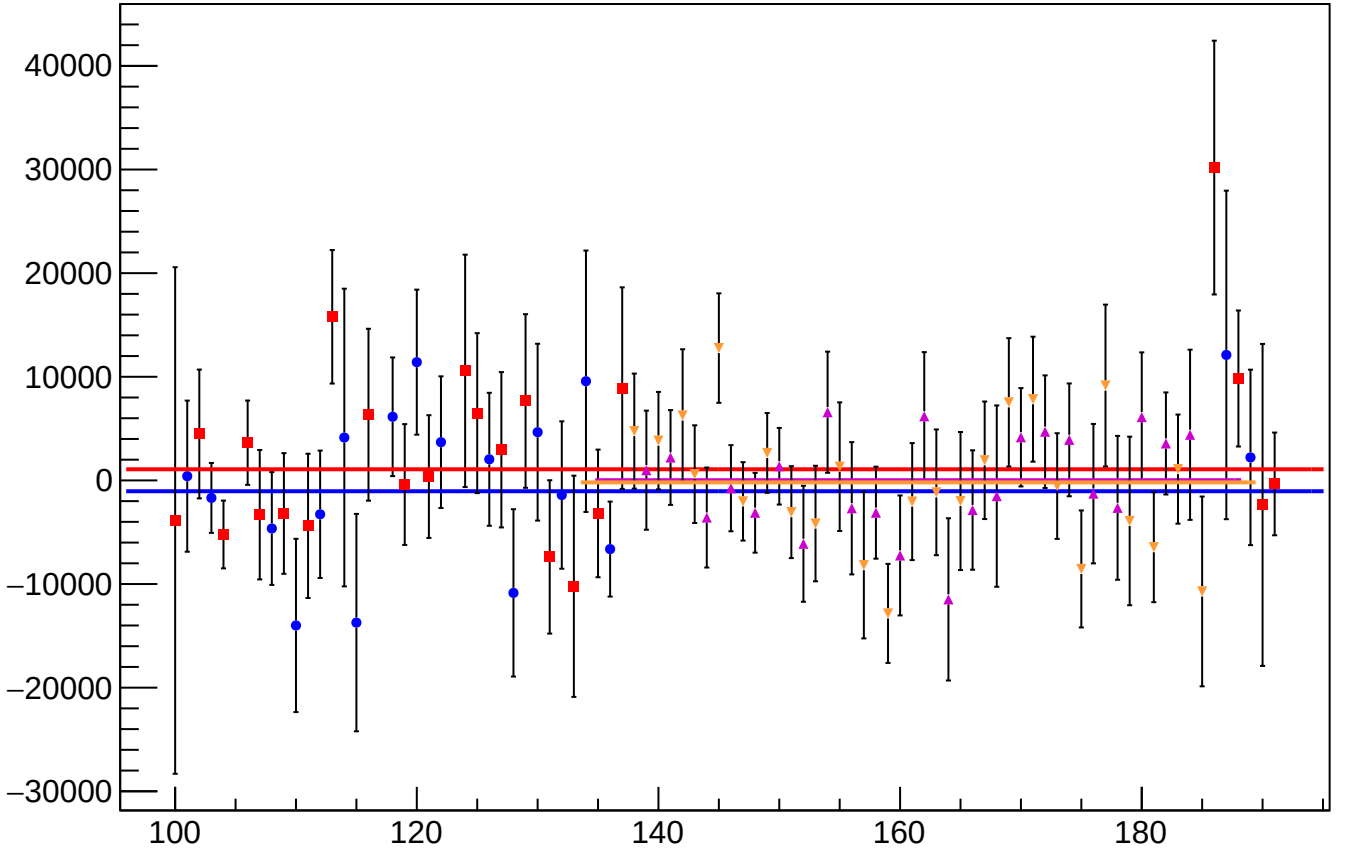
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1868.083+/-0.254 χ^2/NDF: 735446.2/42

All: 1868.727+/-0.180 χ^2/NDF: 1158847.7/88

- sign 1869.367+/-0.254 χ^2/NDF: 423388.7/45

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: 1073.849+/-1349.192 χ^2/NDF: 24.8/22

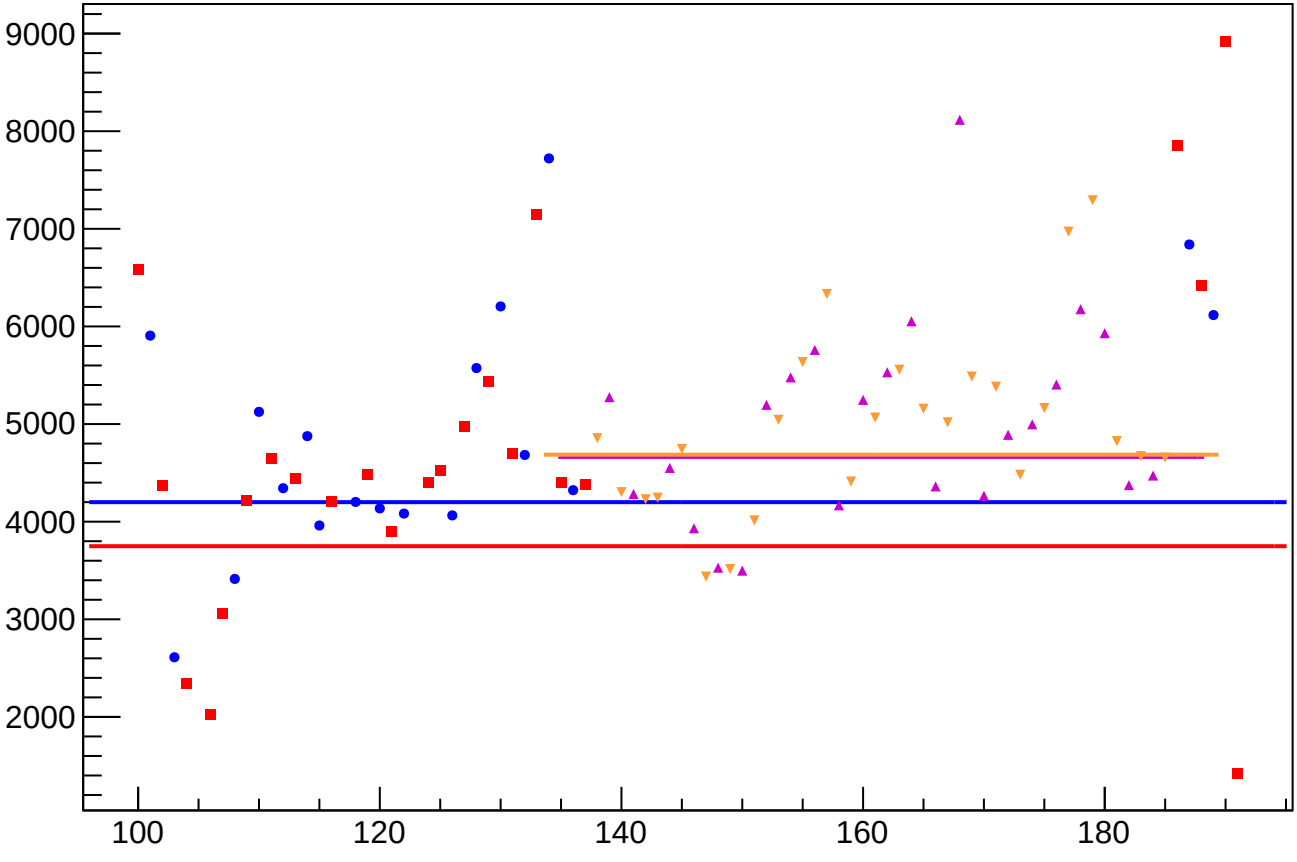
Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

+ sign -471.818+/-891.018 χ^2/NDF: 44.2/42

All: 4.328+/-618.178 χ^2/NDF: 83.7/88

- sign 446.220+/-858.369 χ^2/NDF: 38.9/45

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

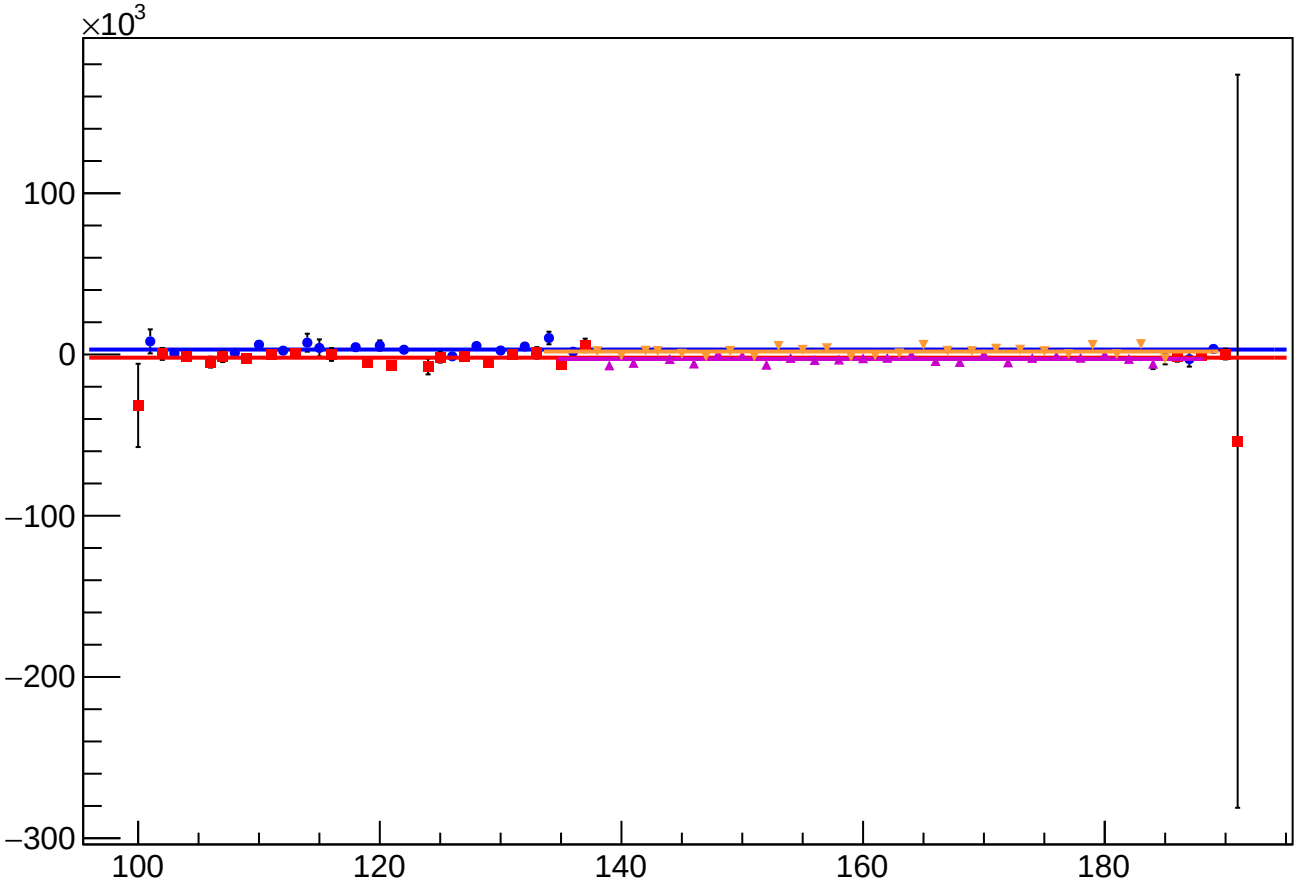
Right Out: 3748.730+/-0.954 χ^2/NDF: 2553612.2/22

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

+ sign 4525.762+/-0.630 χ^2/NDF: 2437490.3/42

All: 4405.090+/-0.437 χ^2/NDF: 6895549.4/88

- sign 4293.099+/-0.607 χ^2/NDF: 4387330.5/45



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: -1970.241+/-647.295 χ^2/NDF: 17.6/22

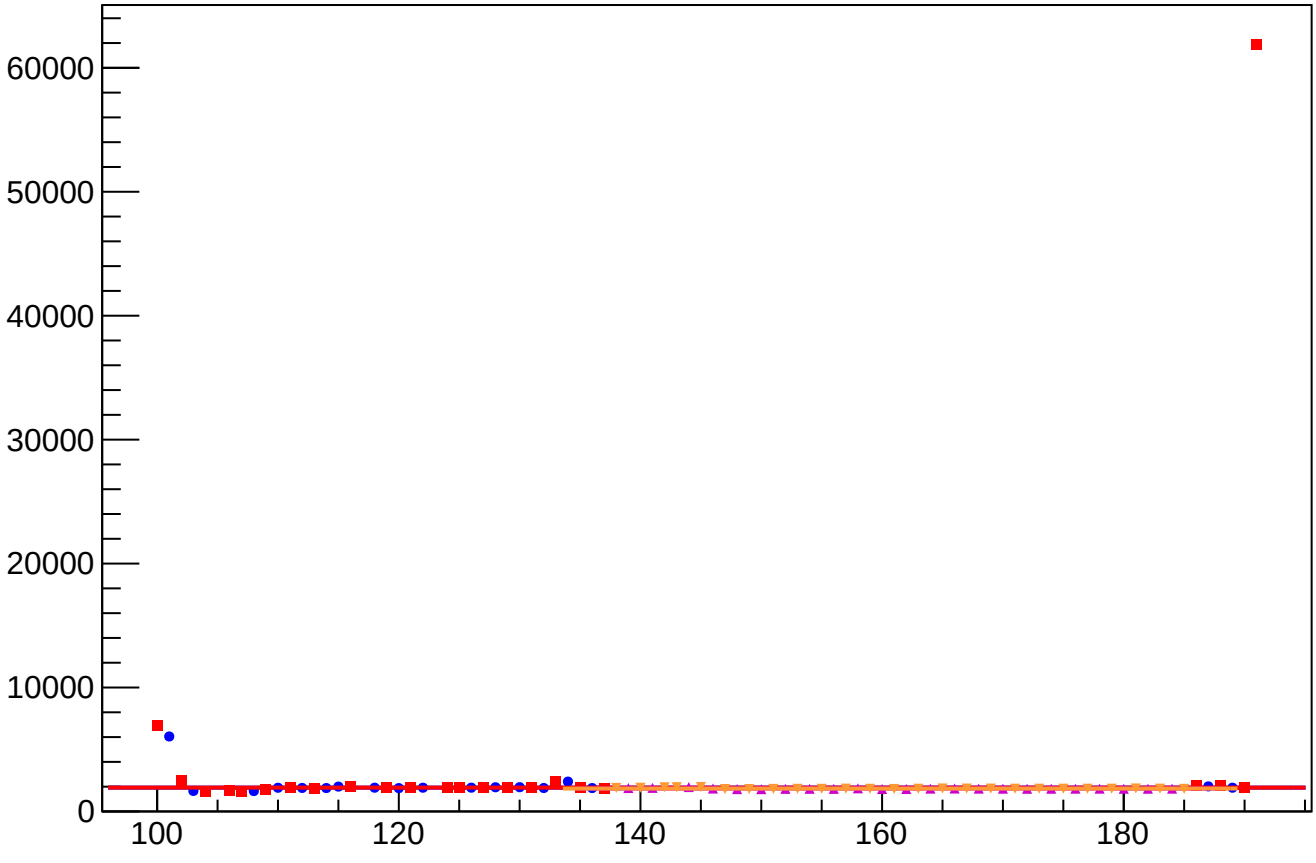
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2175.862+/-359.671 χ^2/NDF: 47.1/42

All: -182.812+/-253.973 χ^2/NDF: 177.0/88

- sign -2528.423+/-358.674 χ^2/NDF: 44.1/45

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

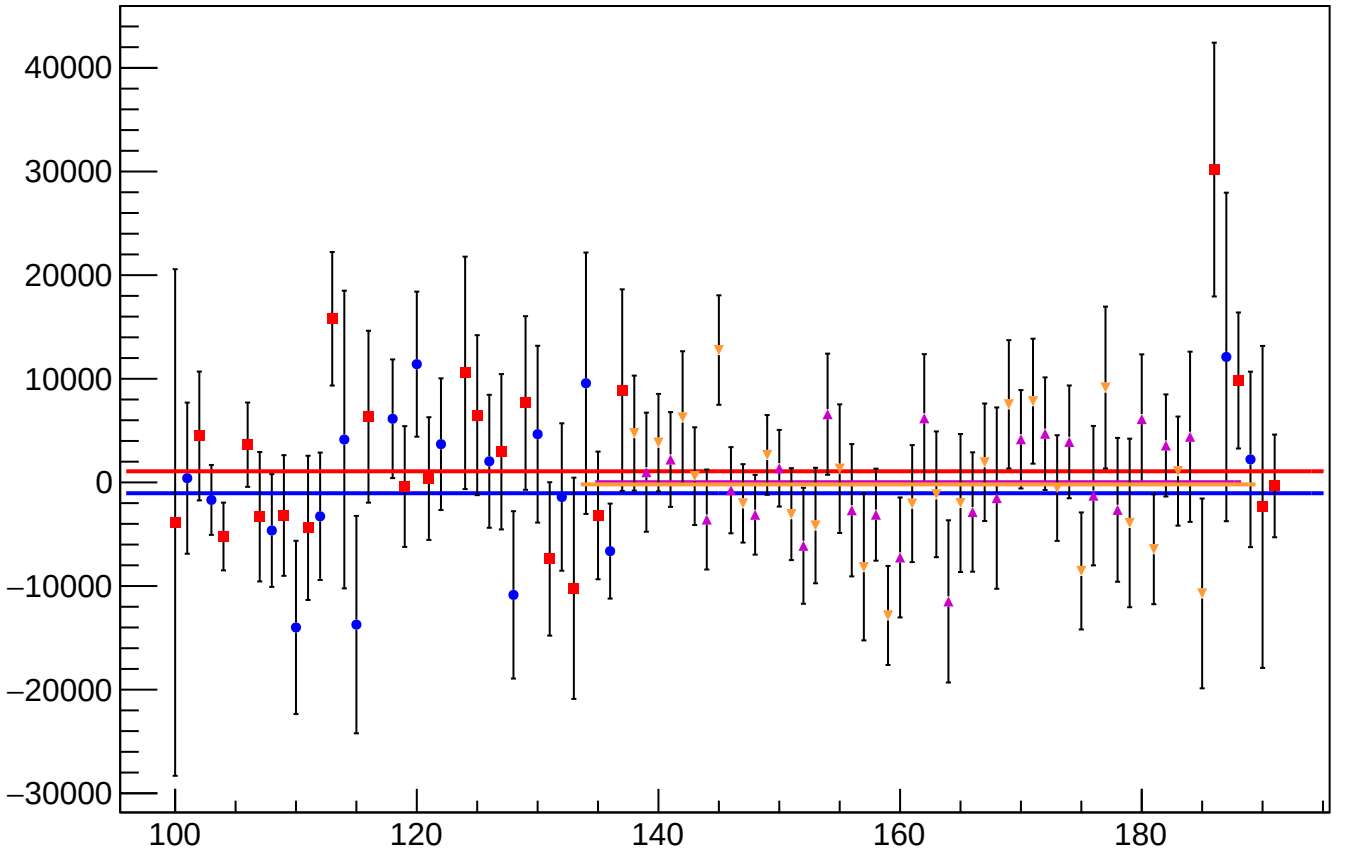
Right Out: 1924.080+/-0.457 χ^2/NDF: 388671.1/22

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1868.083+/-0.254 χ^2/NDF: 735446.2/42

All: 1868.727+/-0.180 χ^2/NDF: 1158847.7/88

- sign 1869.367+/-0.254 χ^2/NDF: 423388.7/45



Right In: -1044.824+/-1550.872 χ^2/NDF: 15.1/17

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

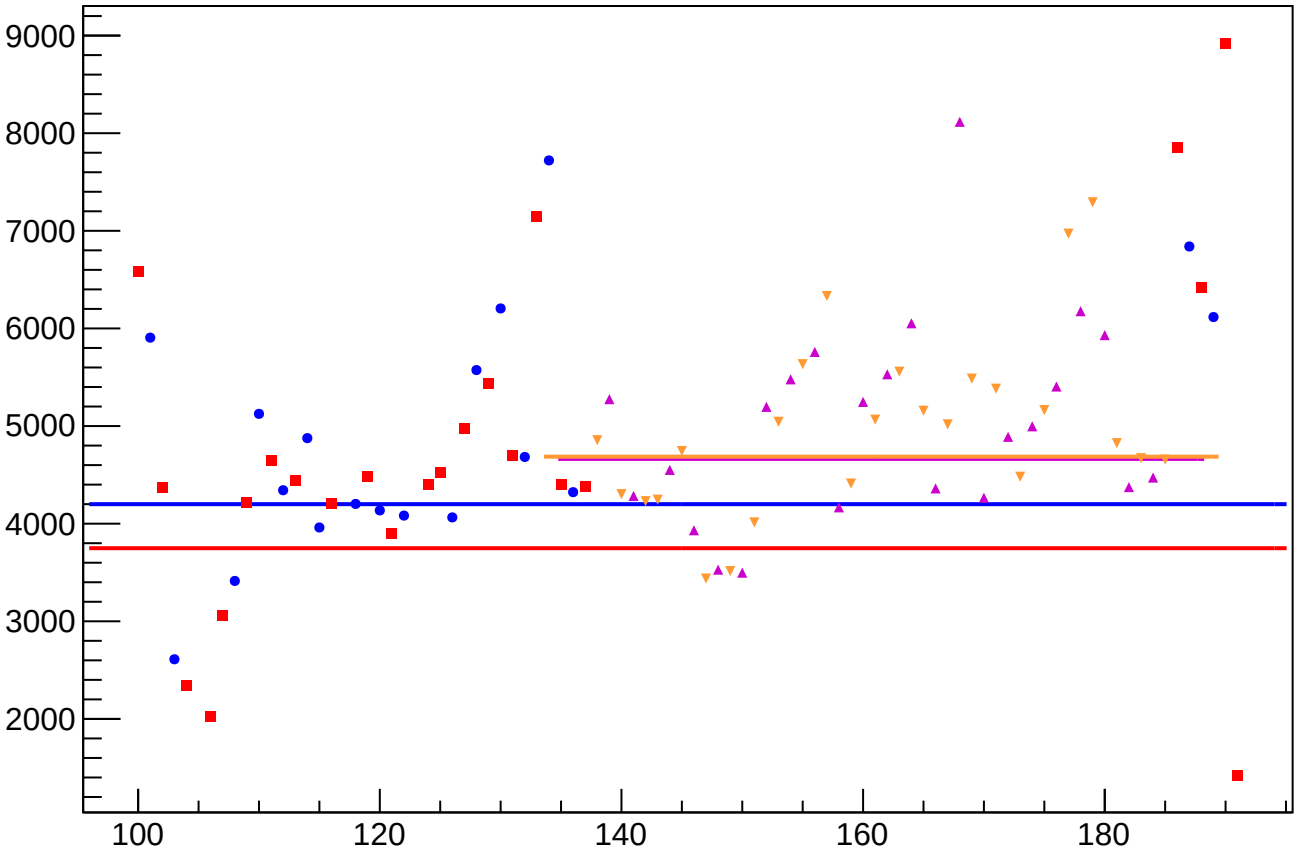
Right Out: 1073.849+/-1349.192 χ^2/NDF: 24.8/22

Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

+ sign -471.818+/-891.018 χ^2/NDF: 44.2/42

All: 4.328+/-618.178 χ^2/NDF: 83.7/88

- sign 446.220+/-858.369 χ^2/NDF: 38.9/45



Right In: 4199.848+/-1.097 χ^2/NDF: 1120556.7/17

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

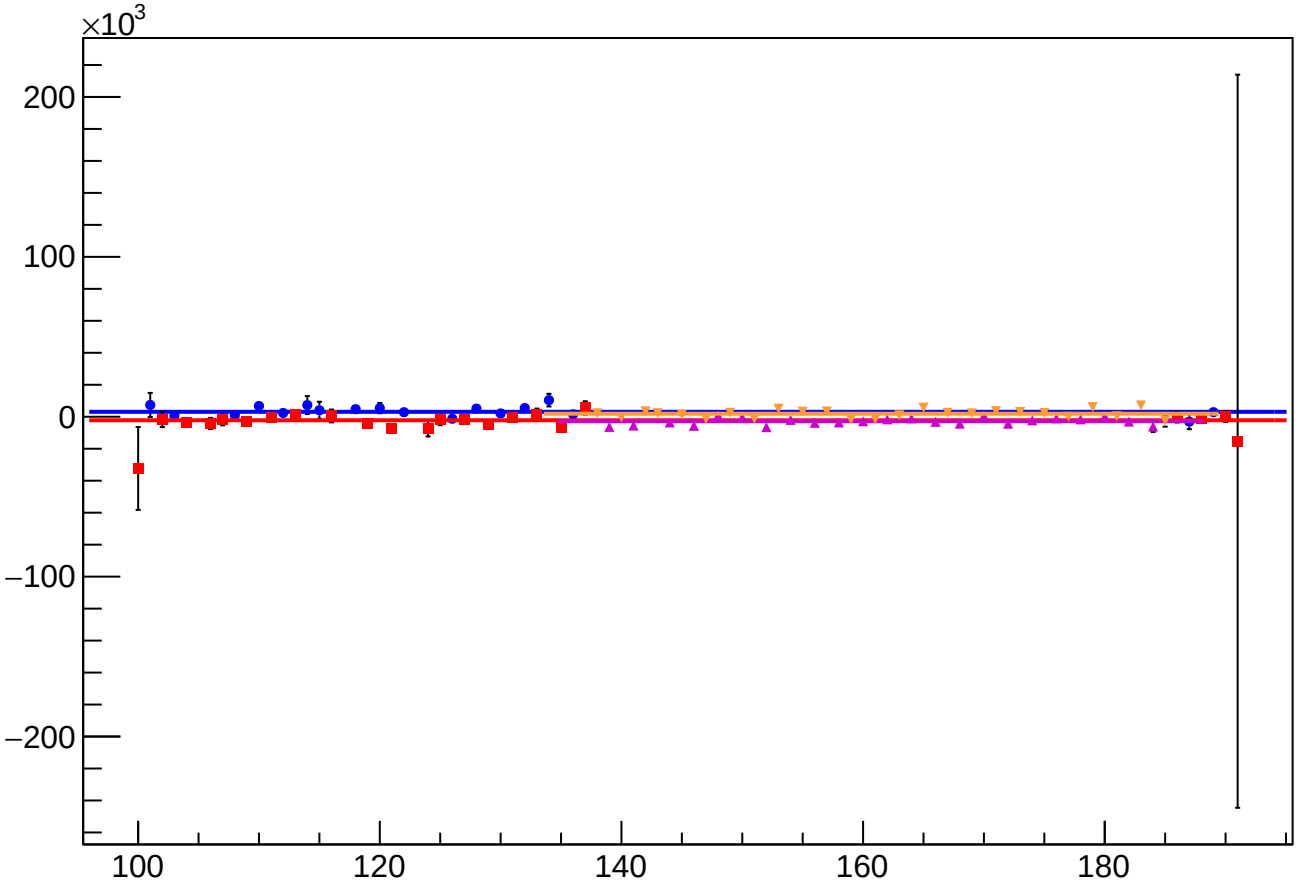
Right Out: 3748.730+/-0.954 χ^2/NDF: 2553612.2/22

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

+ sign 4525.762+/-0.630 χ^2/NDF: 2437490.3/42

All: 4405.090+/-0.437 χ^2/NDF: 6895549.4/88

- sign 4293.099+/-0.607 χ^2/NDF: 4387330.5/45



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: -2206.158+/-665.851 χ^2/NDF: 18.5/22

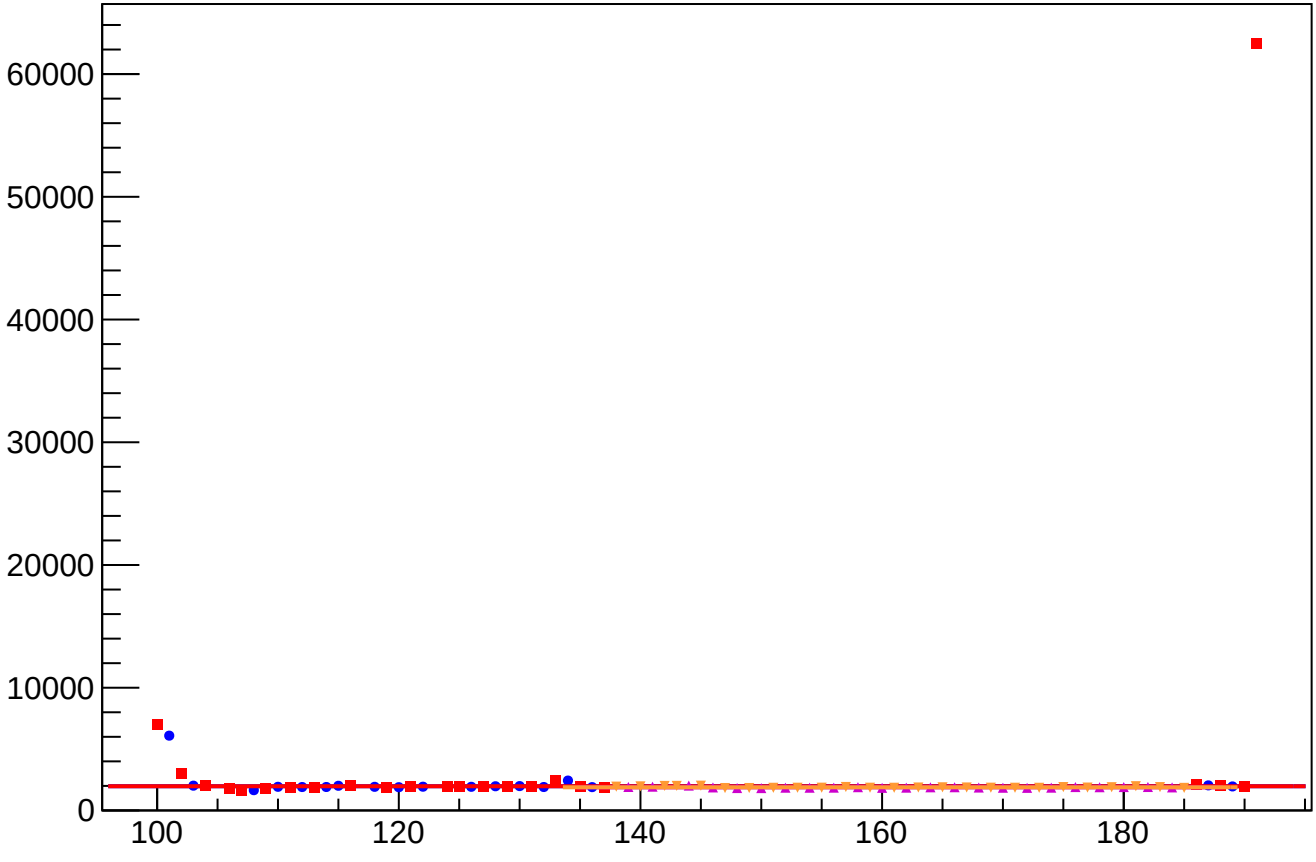
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2200.814+/-367.822 χ^2/NDF: 49.0/42

All: -216.731+/-259.673 χ^2/NDF: 179.5/88

- sign -2618.852+/-366.647 χ^2/NDF: 44.4/45

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

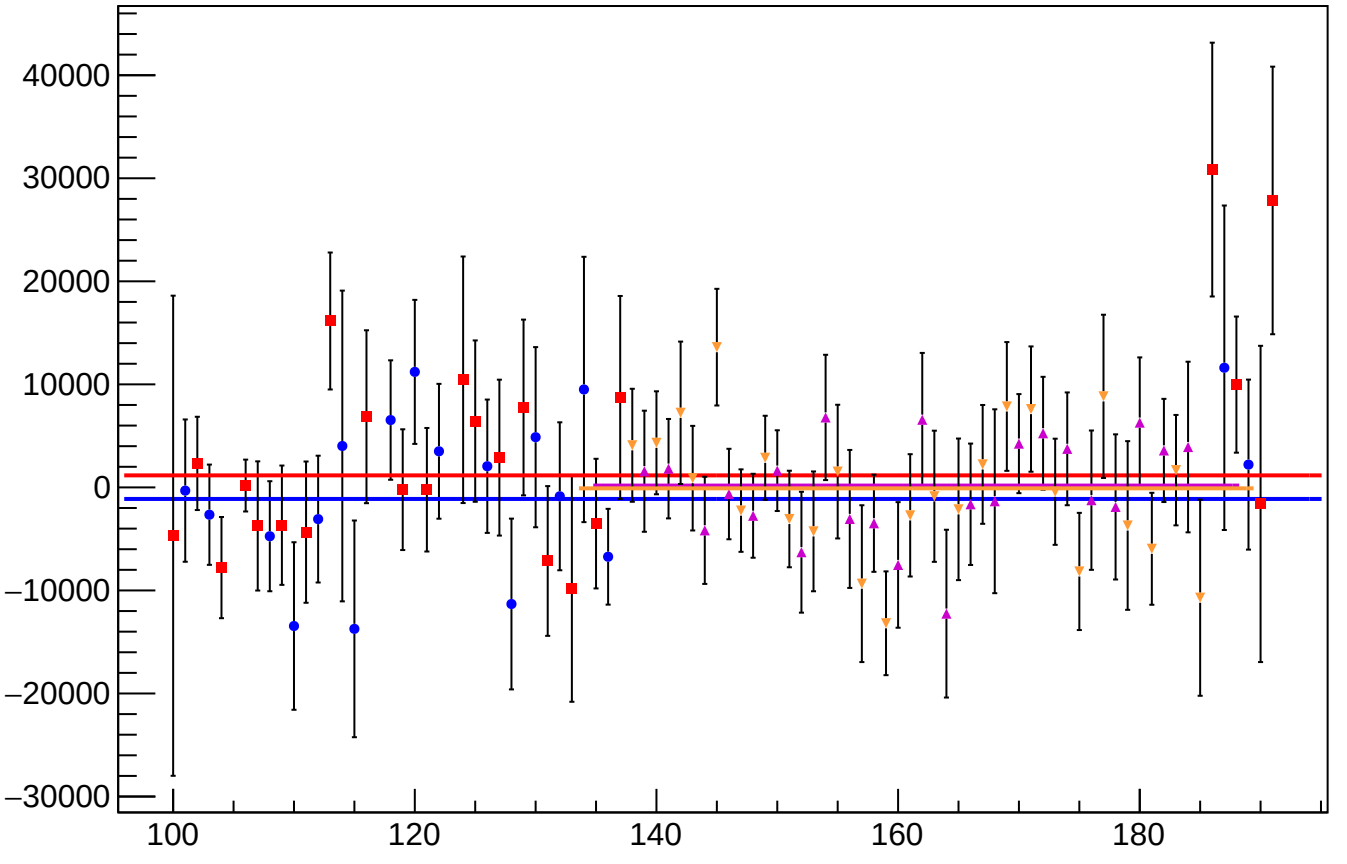
Right Out: 1972.354+/-0.470 χ^2/NDF: 412318.1/22

Left In: 1880.575+/-0.311 χ^2/NDF:19037.6/22

+ sign 1910.485+/-0.260 χ^2/NDF: 719185.4/42

All: 1909.454+/-0.184 χ^2/NDF: 1177075.7/88

- sign 1908.431+/-0.259 χ^2/NDF: 457859.0/45



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: 1166.884+/-1315.948 χ^2/NDF: 28.2/22

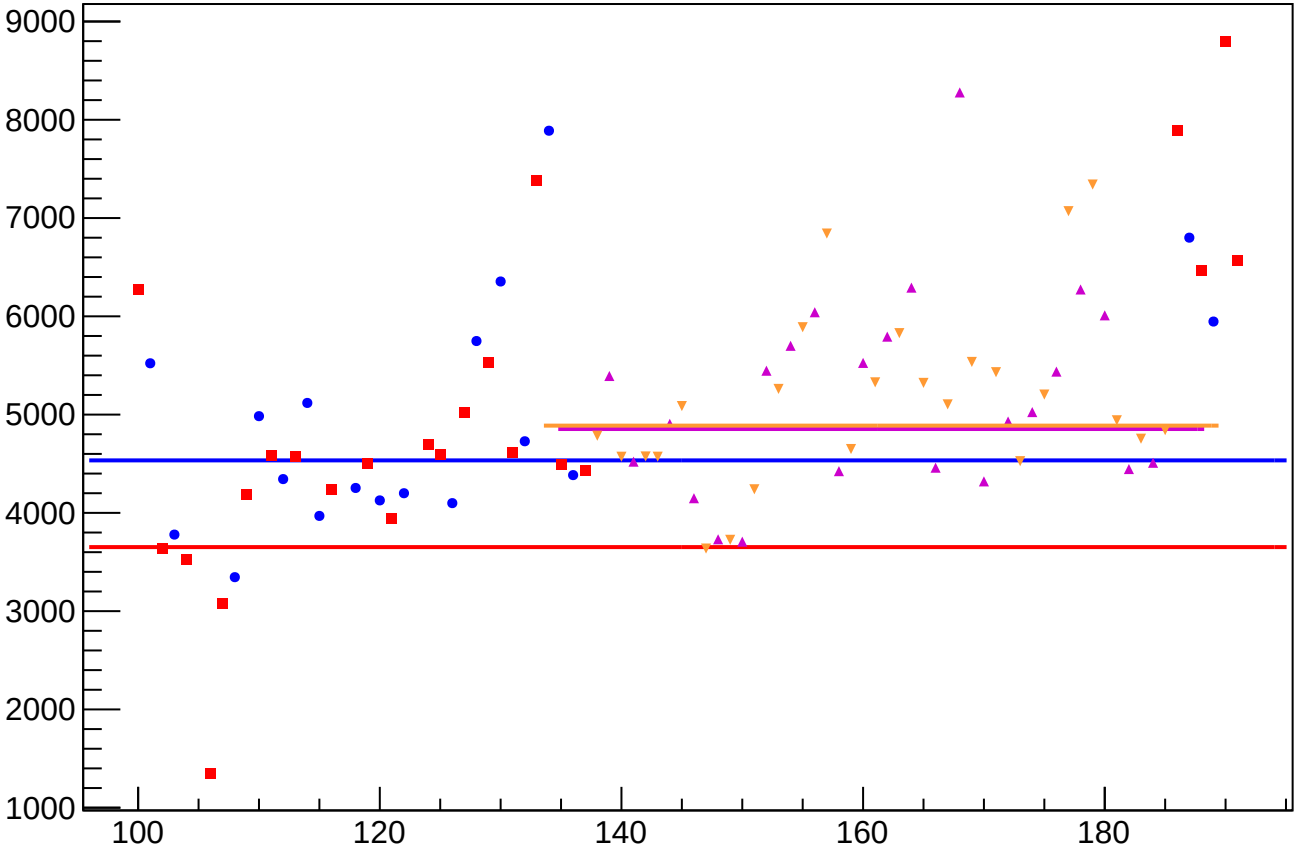
Left In: 177.137+/-1156.061 χ^2/NDF:13.5/22

+ sign -422.642+/-933.503 χ^2/NDF: 43.4/42

All: 129.940+/-635.868 χ^2/NDF: 86.2/88

- sign 608.261+/-868.516 χ^2/NDF: 42.1/45

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

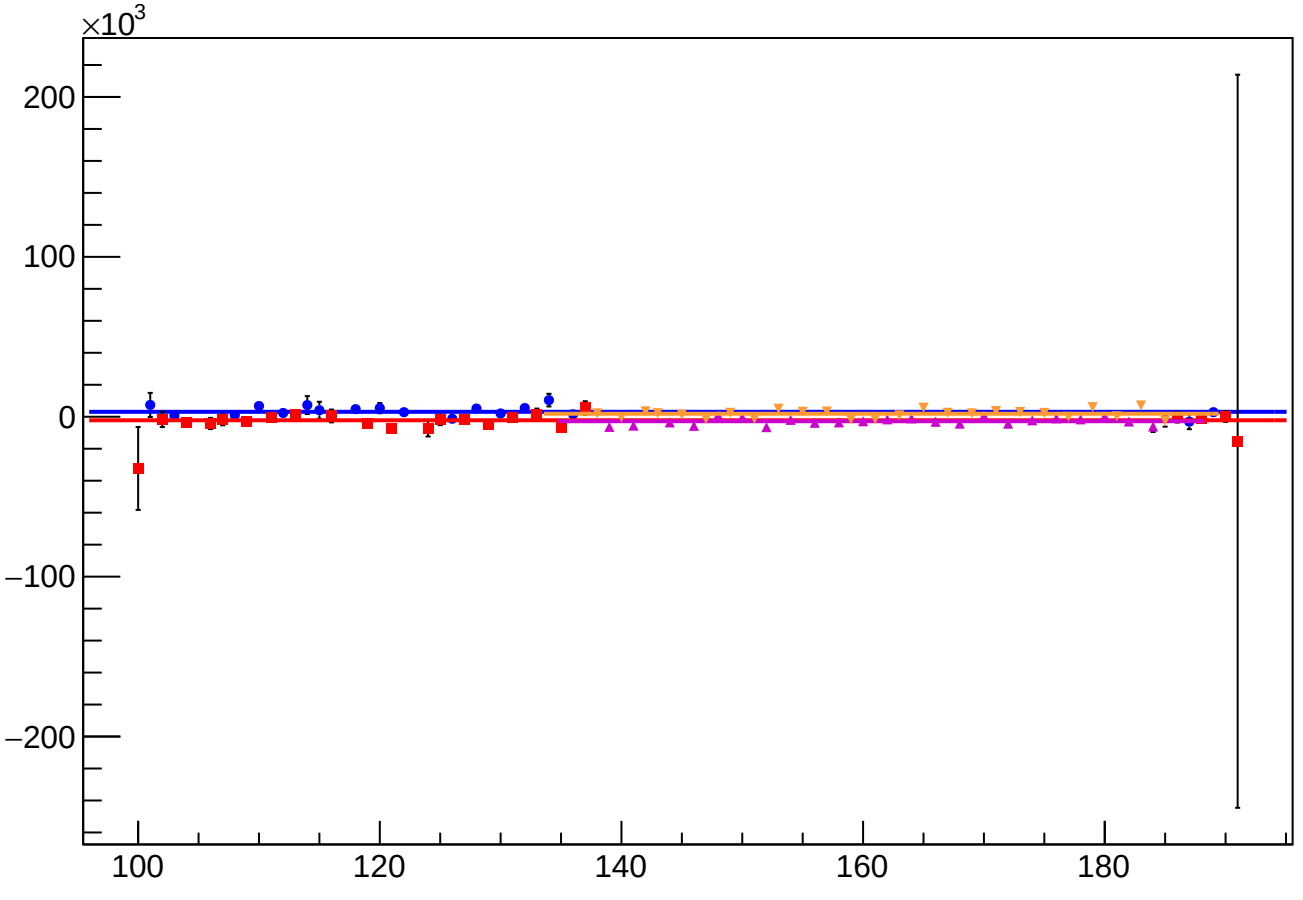
Right Out: 3651.779+/-0.931 χ^2/NDF: 3315634.8/22

Left In: 4853.363+/-0.817 χ^2/NDF:1178636.9/22

+ sign 4774.124+/-0.660 χ^2/NDF: 1725734.1/42

All: 4536.047+/-0.450 χ^2/NDF: 7403839.3/88

- sign 4329.965+/-0.614 χ^2/NDF: 5435413.9/45



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: -2206.162+/-665.851 χ^2/NDF: 18.5/22

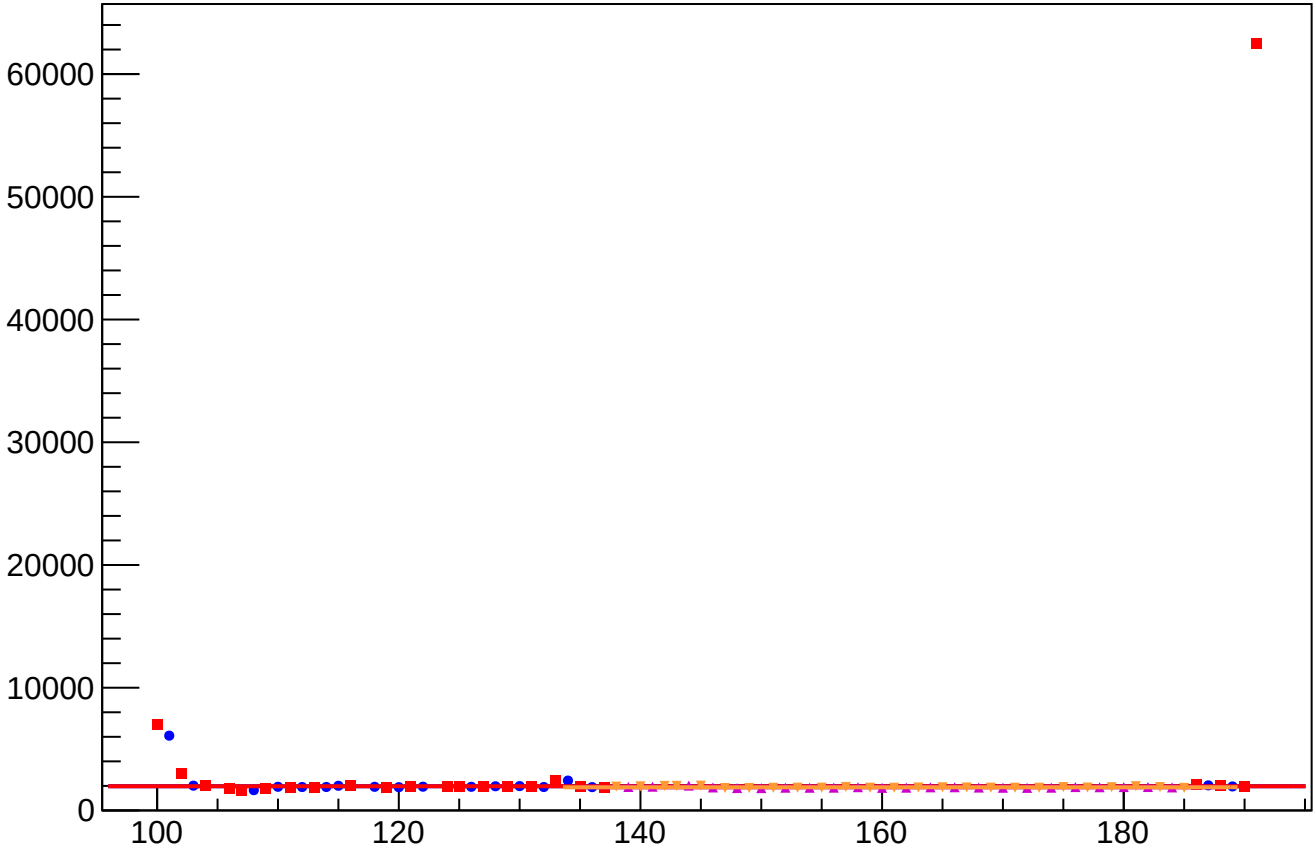
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2200.811+/-367.822 χ^2/NDF: 49.0/42

All: -216.732+/-259.673 χ^2/NDF: 179.5/88

- sign -2618.852+/-366.647 χ^2/NDF: 44.4/45

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

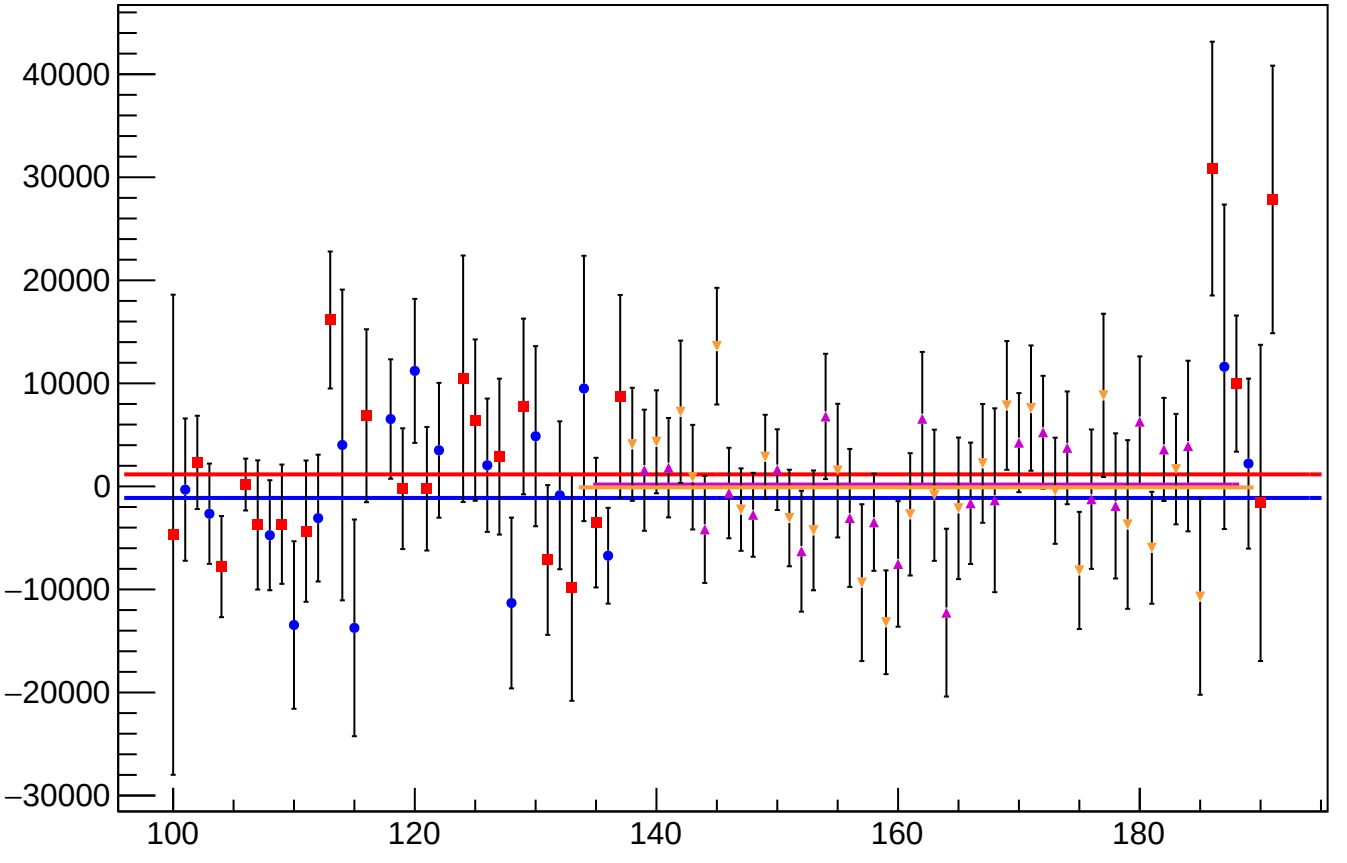
Right Out: 1972.354+/-0.470 χ^2/NDF: 412317.6/22

Left In: 1880.576+/-0.311 χ^2/NDF:19037.6/22

+ sign 1910.485+/-0.260 χ^2/NDF: 719184.9/42

All: 1909.455+/-0.184 χ^2/NDF: 1177074.1/88

- sign 1908.431+/-0.259 χ^2/NDF: 457857.9/45



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: 1166.881+/-1315.945 χ^2/NDF: 28.2/22

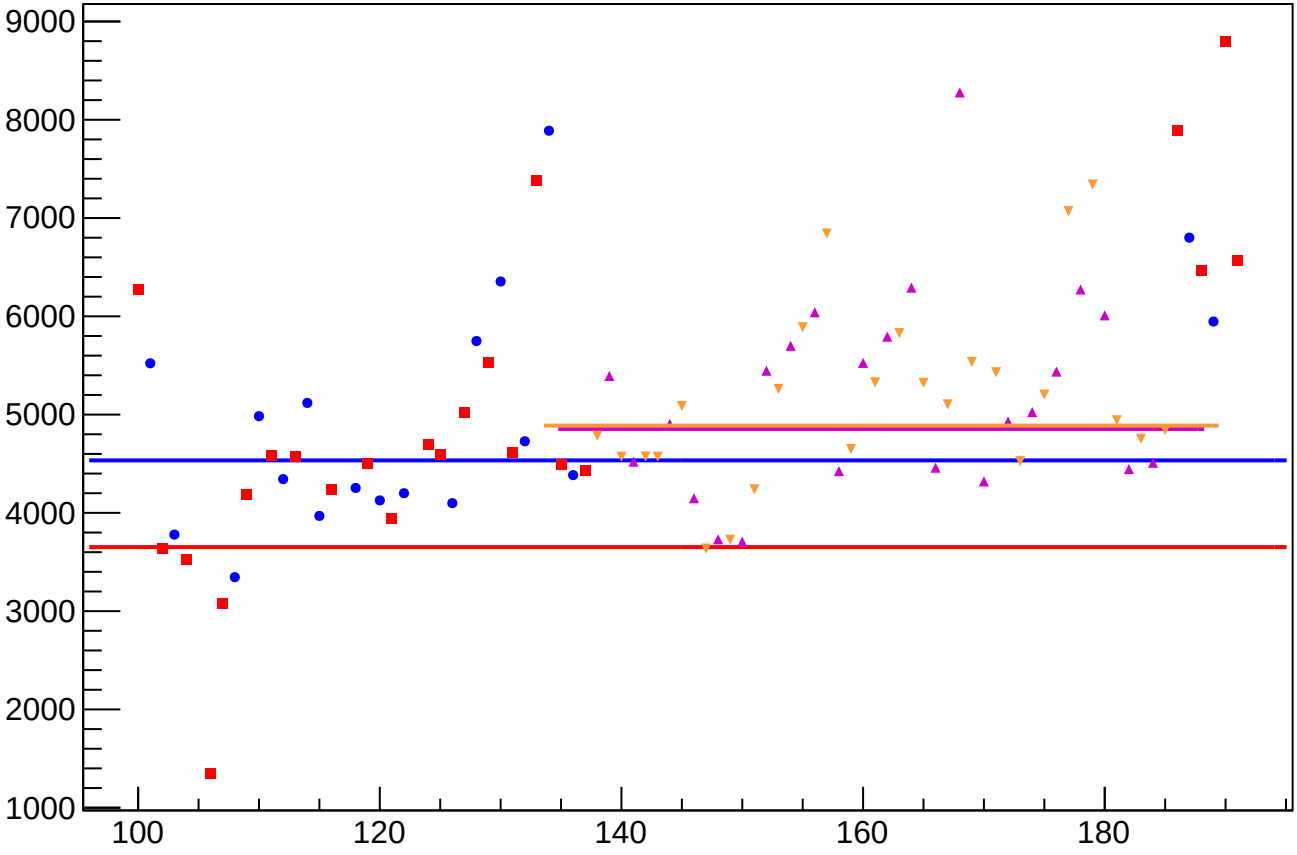
Left In: 177.140+/-1156.062 χ^2/NDF:13.5/22

+ sign -422.640+/-933.504 χ^2/NDF: 43.4/42

All: 129.942+/-635.868 χ^2/NDF: 86.2/88

- sign 608.263+/-868.516 χ^2/NDF: 42.1/45

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: 3651.771+/-0.931 χ^2/NDF: 3315643.3/22

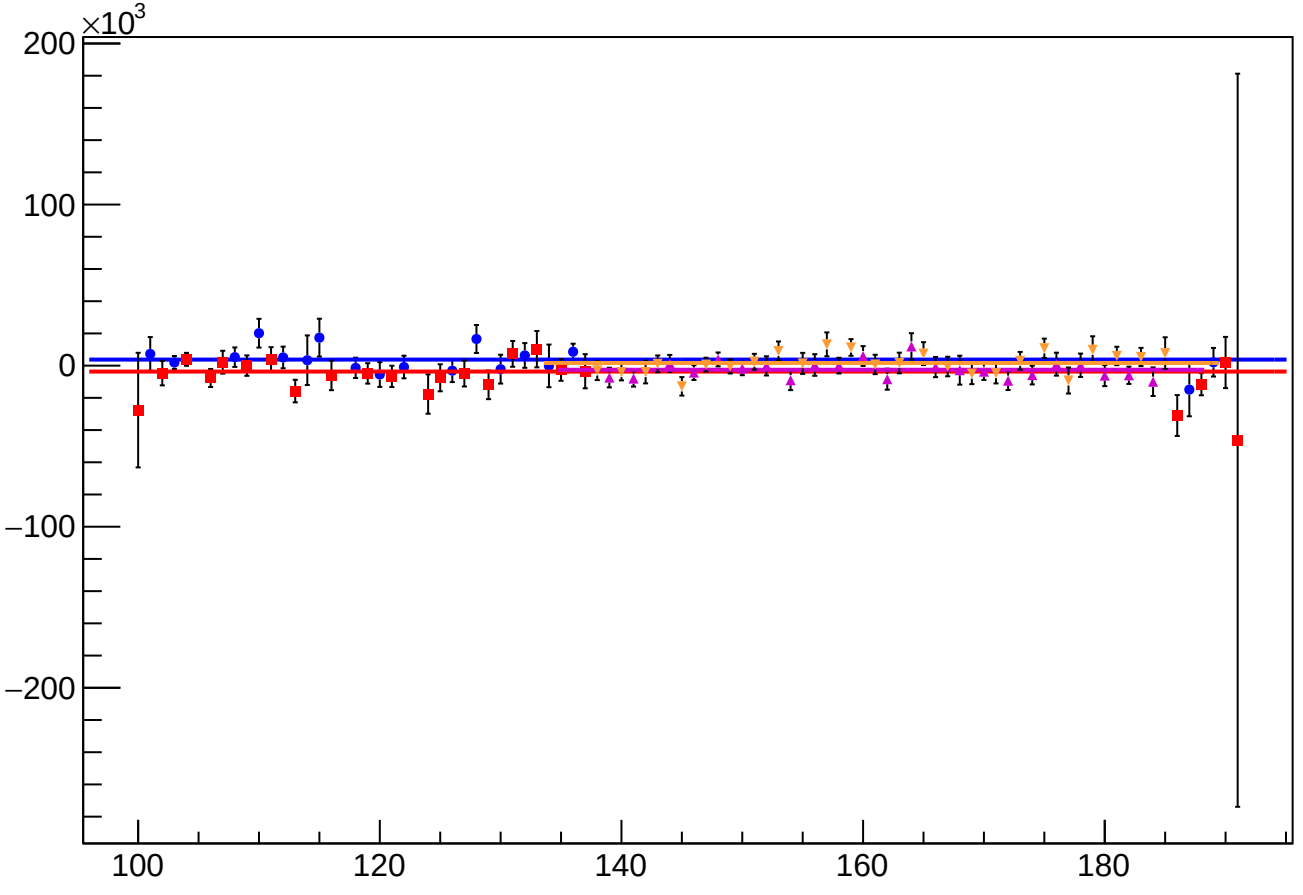
Left In: 4853.371+/-0.817 χ^2/NDF:1178639.4/22

+ sign 4774.127+/-0.660 χ^2/NDF: 1725740.1/42

All: 4536.048+/-0.450 χ^2/NDF: 7403886.5/88

- sign 4329.963+/-0.614 χ^2/NDF: 5435450.7/45

asym_atr_avg_mean vs Slug



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: -3673.813+/-1603.485 χ^2/NDF: 21.8/22

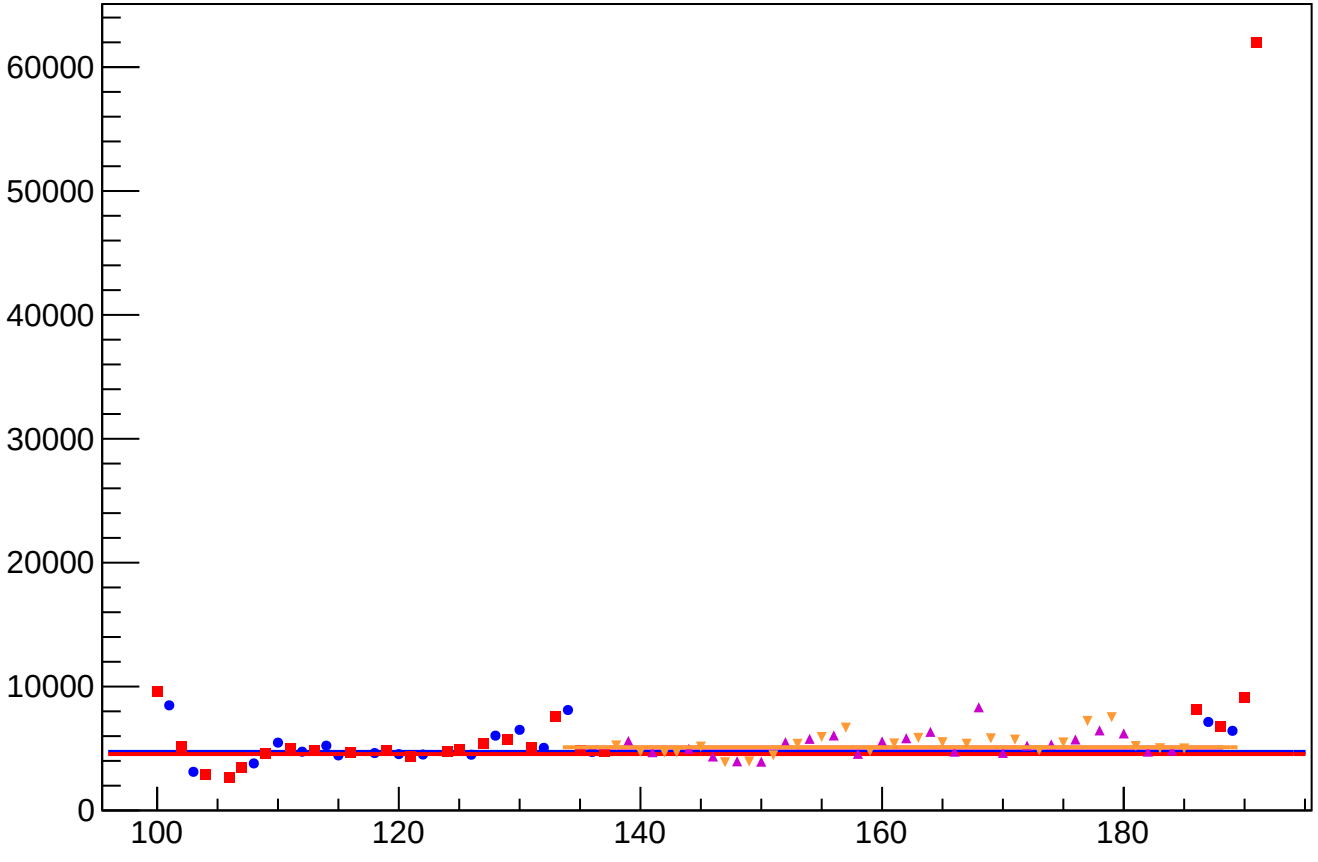
Left In: -2563.603+/-1204.450 χ^2/NDF:16.0/22

+ sign 2315.677+/-975.418 χ^2/NDF: 40.6/42

All: -357.930+/-685.303 χ^2/NDF: 93.5/88

- sign -2964.060+/-963.030 χ^2/NDF: 38.0/45

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: 4552.324+/-1.125 χ^2/NDF: 1618371.5/22

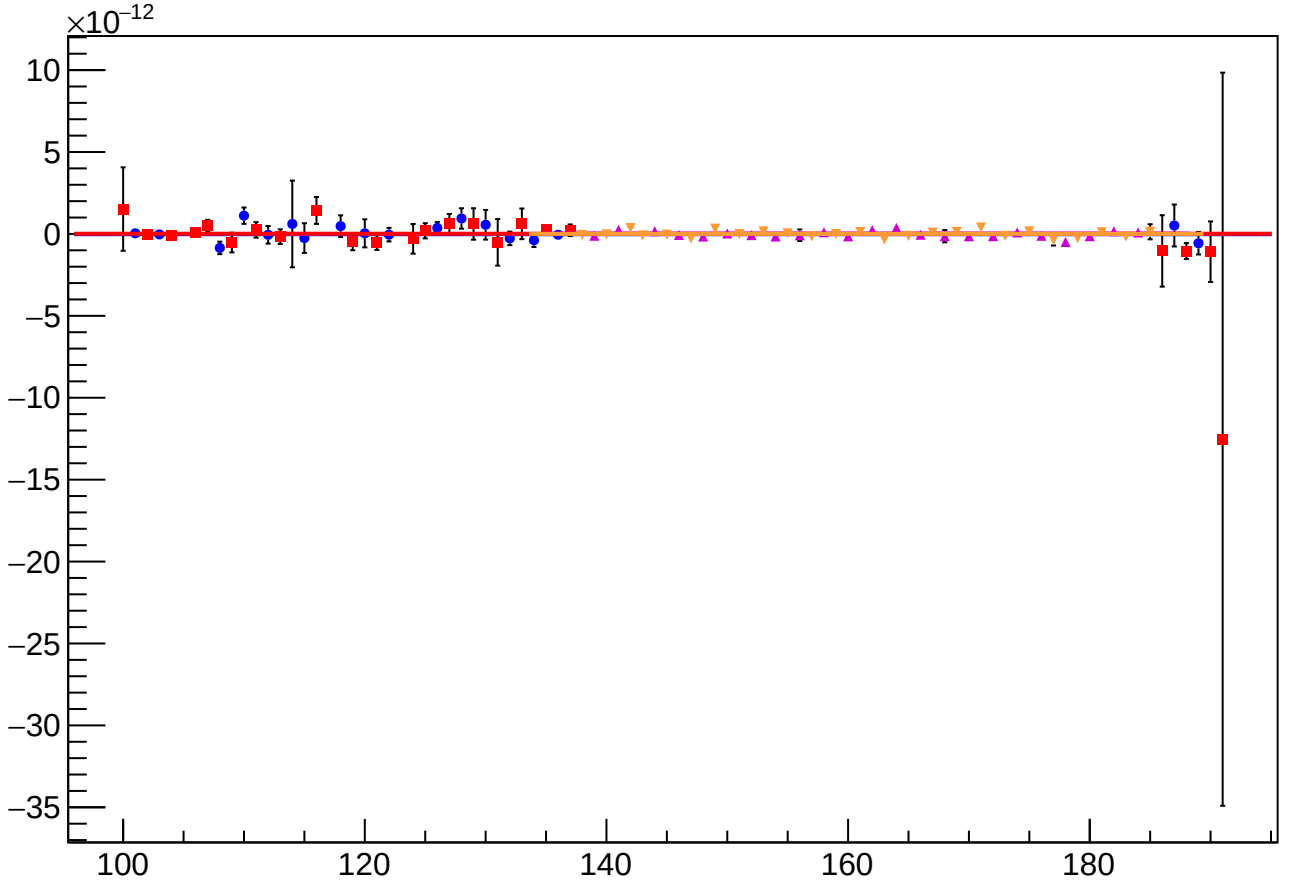
Left In: 5073.543+/-0.852 χ^2/NDF:991915.5/22

+ sign 4982.710+/-0.690 χ^2/NDF: 1994952.7/42

All: 4932.383+/-0.484 χ^2/NDF: 4752205.2/88

- sign 4883.609+/-0.679 χ^2/NDF: 2746768.5/45

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: 20.8/22

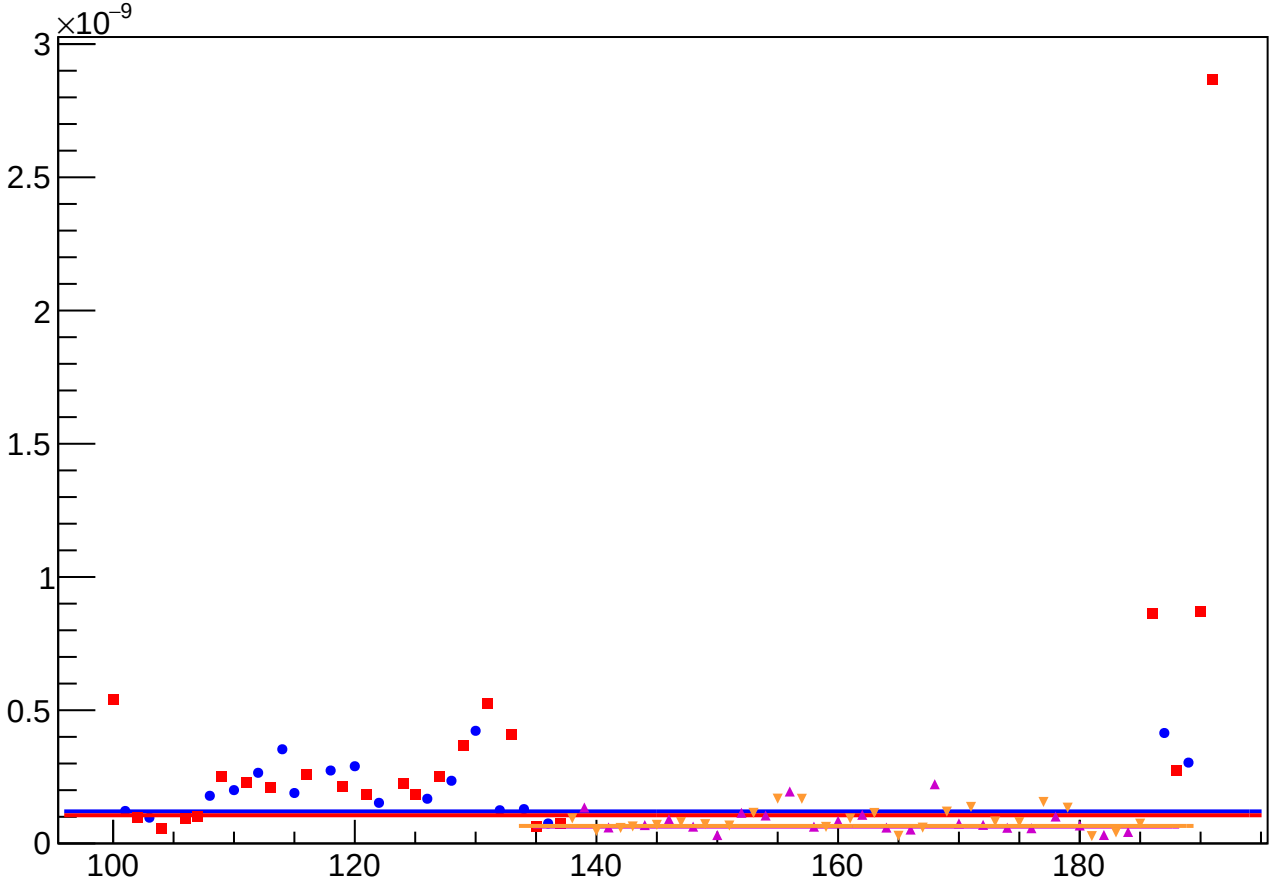
Left In: 0.000+/-0.000 χ^2/NDF:32.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 50.0/42

All: 0.000+/-0.000 χ^2/NDF: 103.5/88

- sign 0.000+/-0.000 χ^2/NDF: 53.2/45

asym_atr_avg_reg_vs_cor_diff_rms vs Slug



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: 2707515.6/22

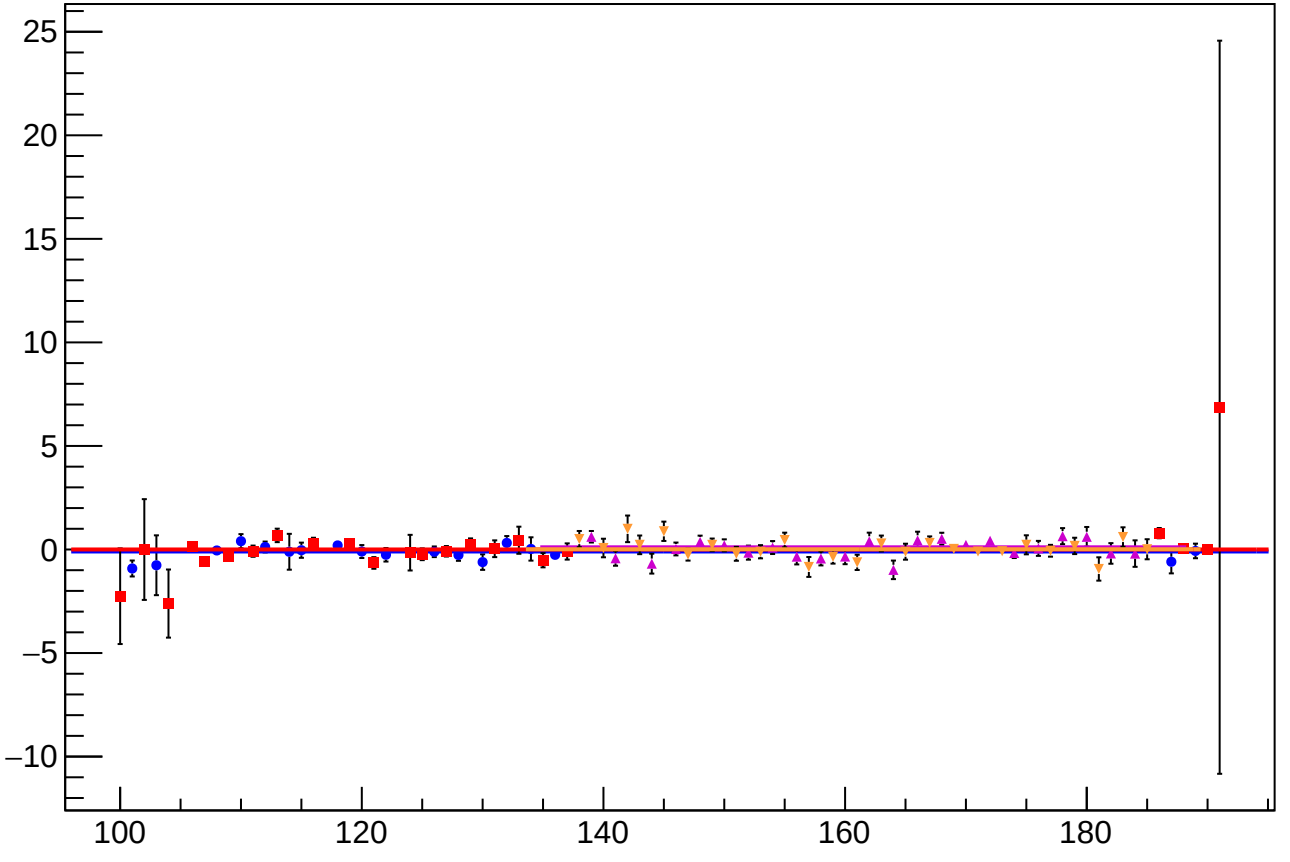
Left In: 0.000+/-0.000 χ^2/NDF:2196878.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 4759278.5/42

All: 0.000+/-0.000 χ^2/NDF: 10295601.4/88

- sign 0.000+/-0.000 χ^2/NDF: 5516777.7/45

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: 0.001+/-0.058 χ^2/NDF: 40.1/22

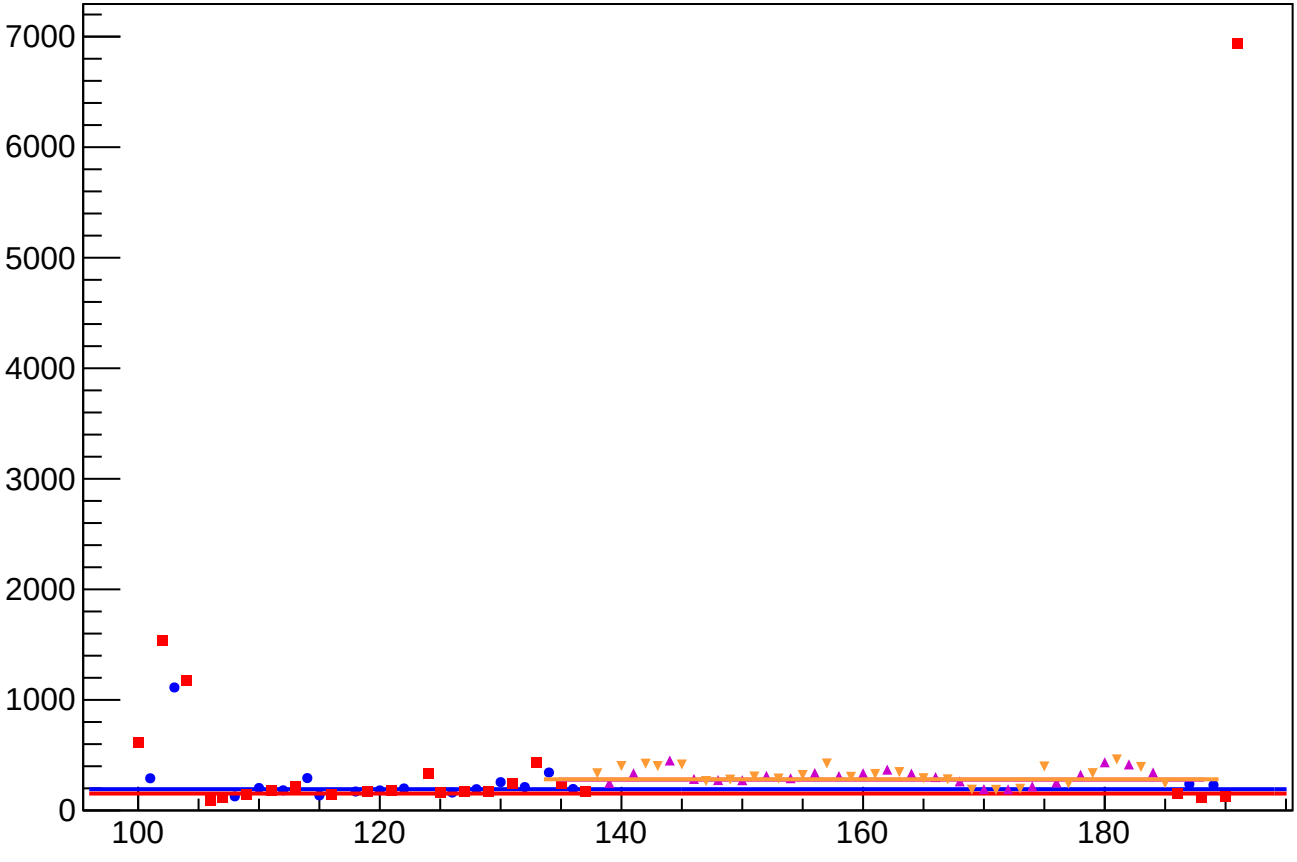
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

\+ sign -0.038+/-0.050 χ^2/NDF: 41.0/42

All: 0.009+/-0.033 χ^2/NDF: 115.4/88

\- sign 0.045+/-0.044 χ^2/NDF: 72.9/45

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: 152.940+/-0.041 χ^2/NDF: 3135144.3/22

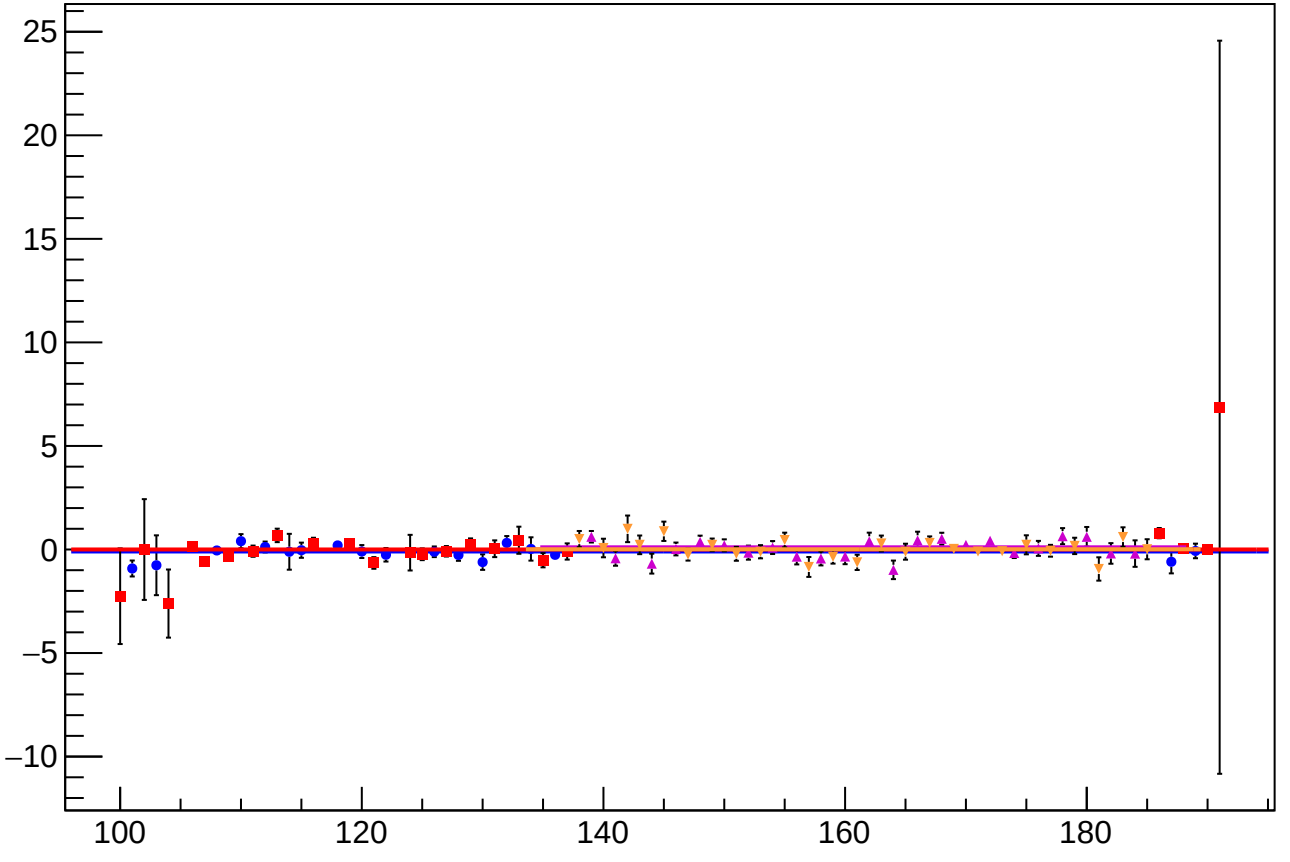
Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 240.996+/-0.035 χ^2/NDF: 5603648.4/42

All: 221.105+/-0.024 χ^2/NDF: 14984799.6/88

- sign 205.533+/-0.031 χ^2/NDF: 8821192.5/45

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: 0.001+/-0.058 χ^2/NDF: 40.1/22

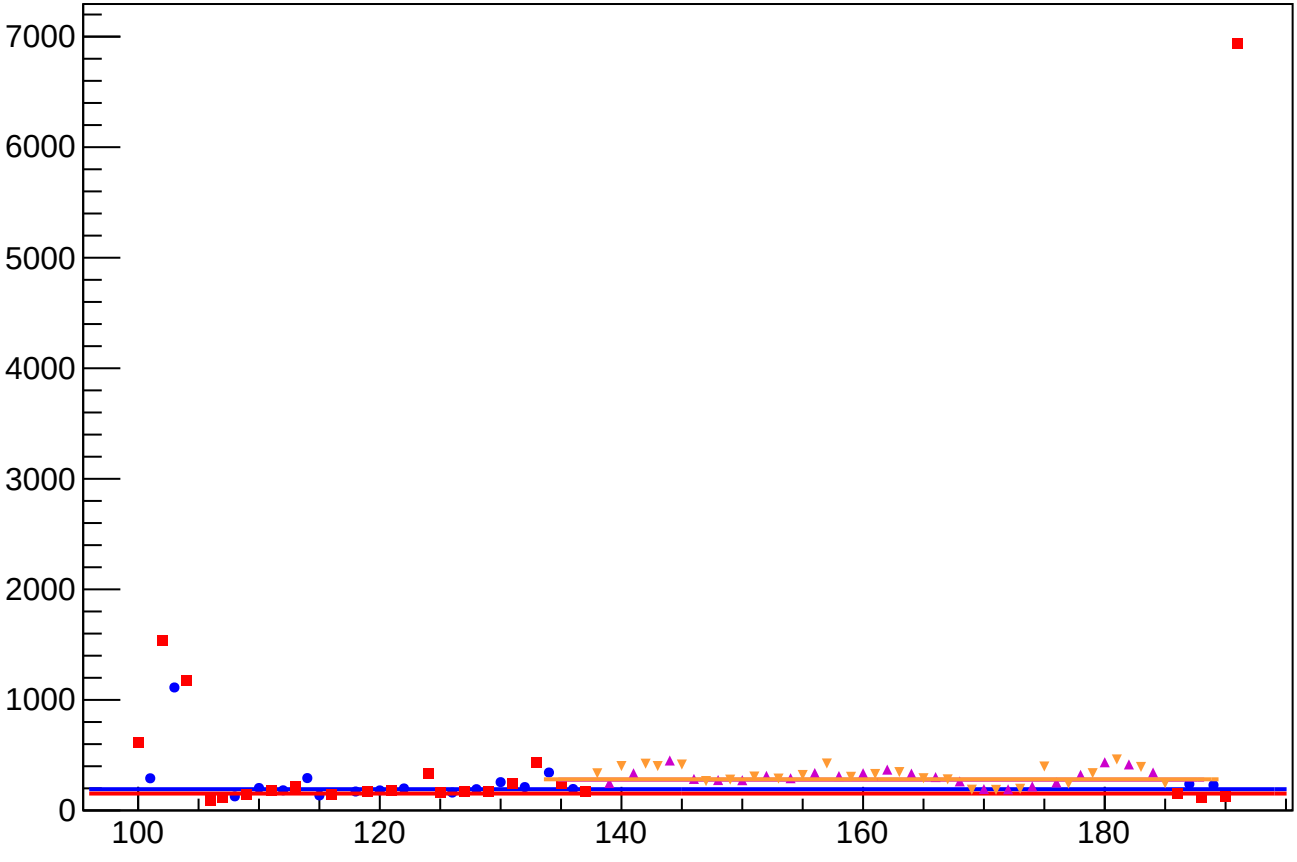
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

\+ sign -0.038+/-0.050 χ^2/NDF: 41.0/42

All: 0.009+/-0.033 χ^2/NDF: 115.4/88

\- sign 0.045+/-0.044 χ^2/NDF: 72.9/45

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

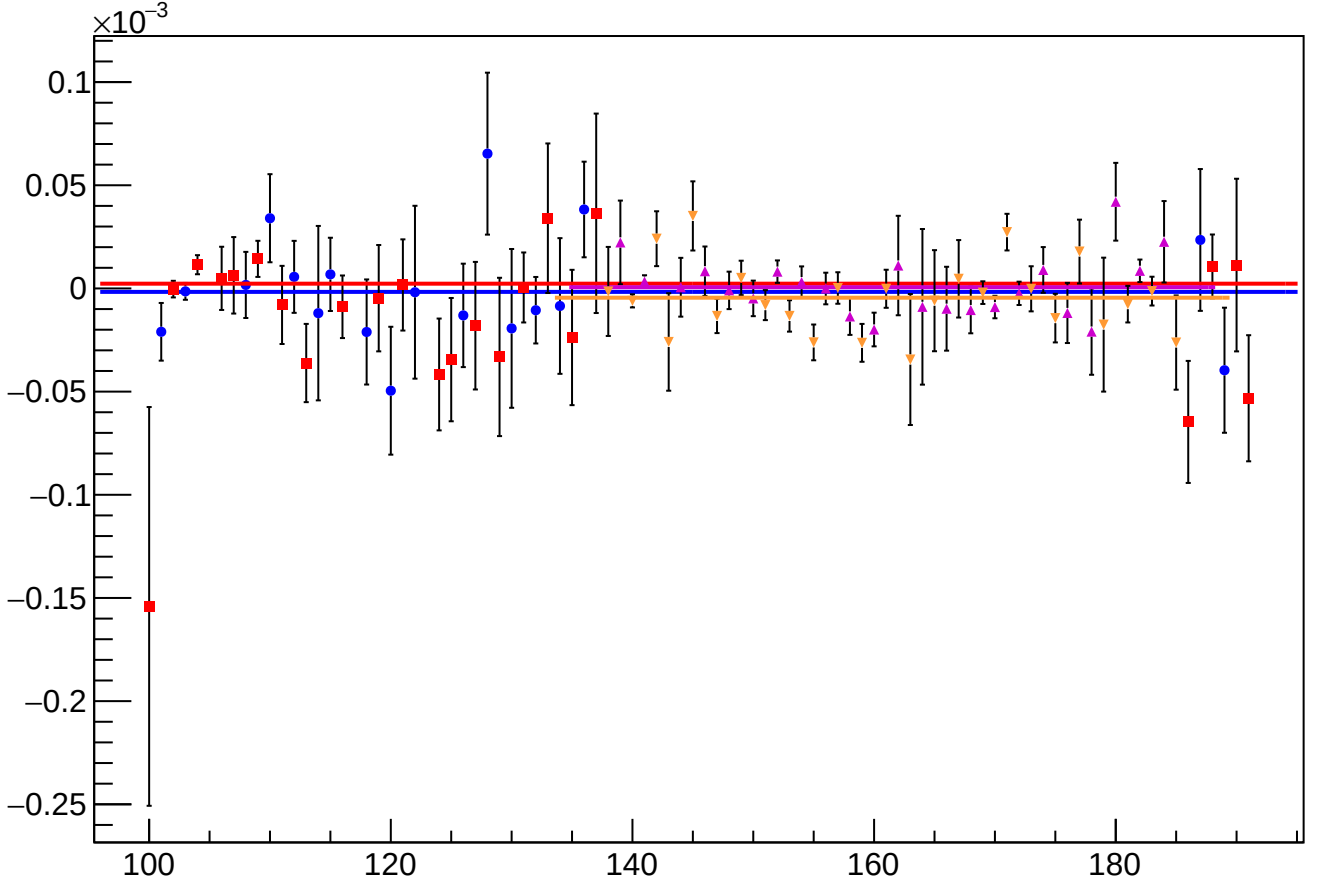
Right Out: 152.940+/-0.041 χ^2/NDF: 3135144.3/22

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 240.996+/-0.035 χ^2/NDF: 5603648.4/42

All: 221.105+/-0.024 χ^2/NDF: 14984799.6/88

- sign 205.533+/-0.031 χ^2/NDF: 8821192.5/45



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: 30.1/22

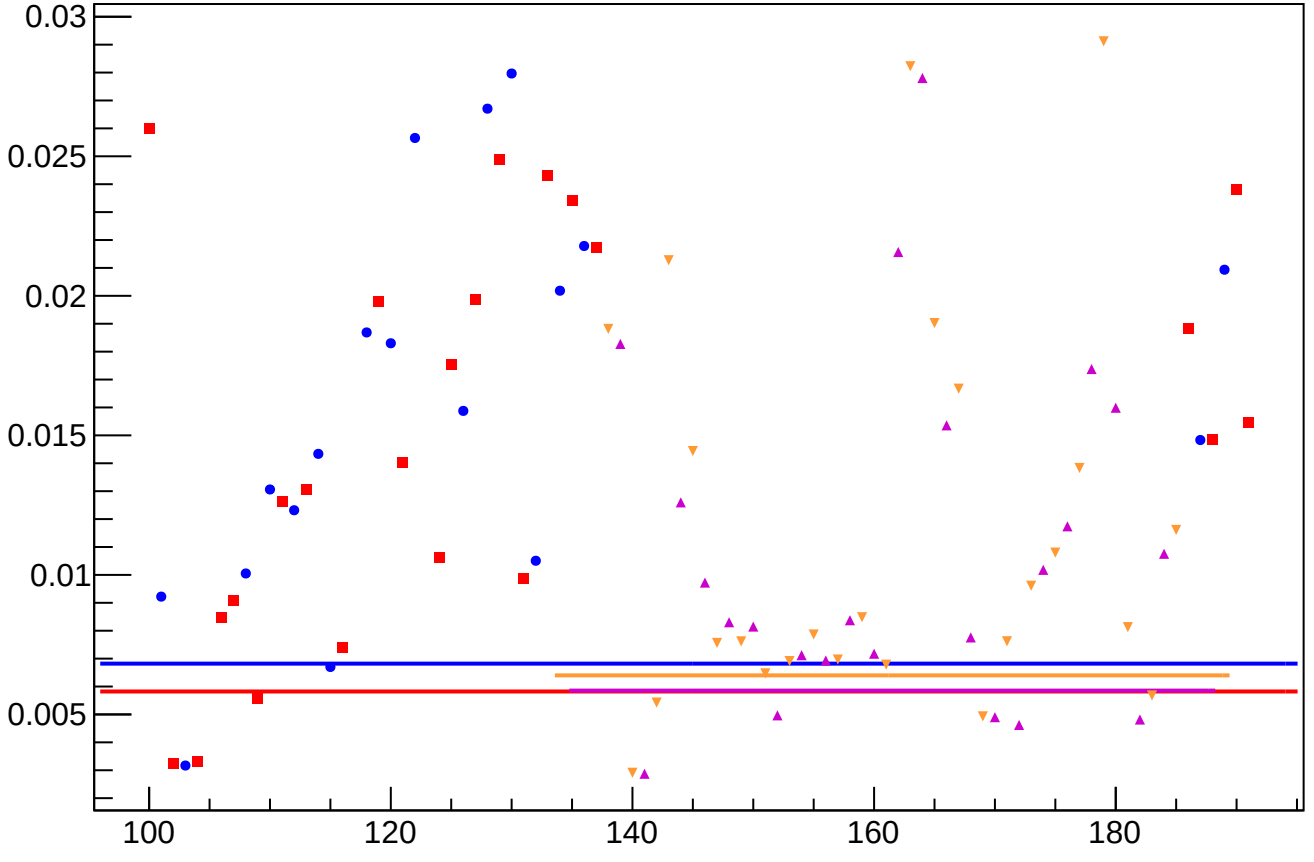
Left In: 0.000+/-0.000 χ^2/NDF:29.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 63.9/42

All: -0.000+/-0.000 χ^2/NDF: 129.4/88

- sign 0.000+/-0.000 χ^2/NDF: 59.5/45

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: 7397588.6/22

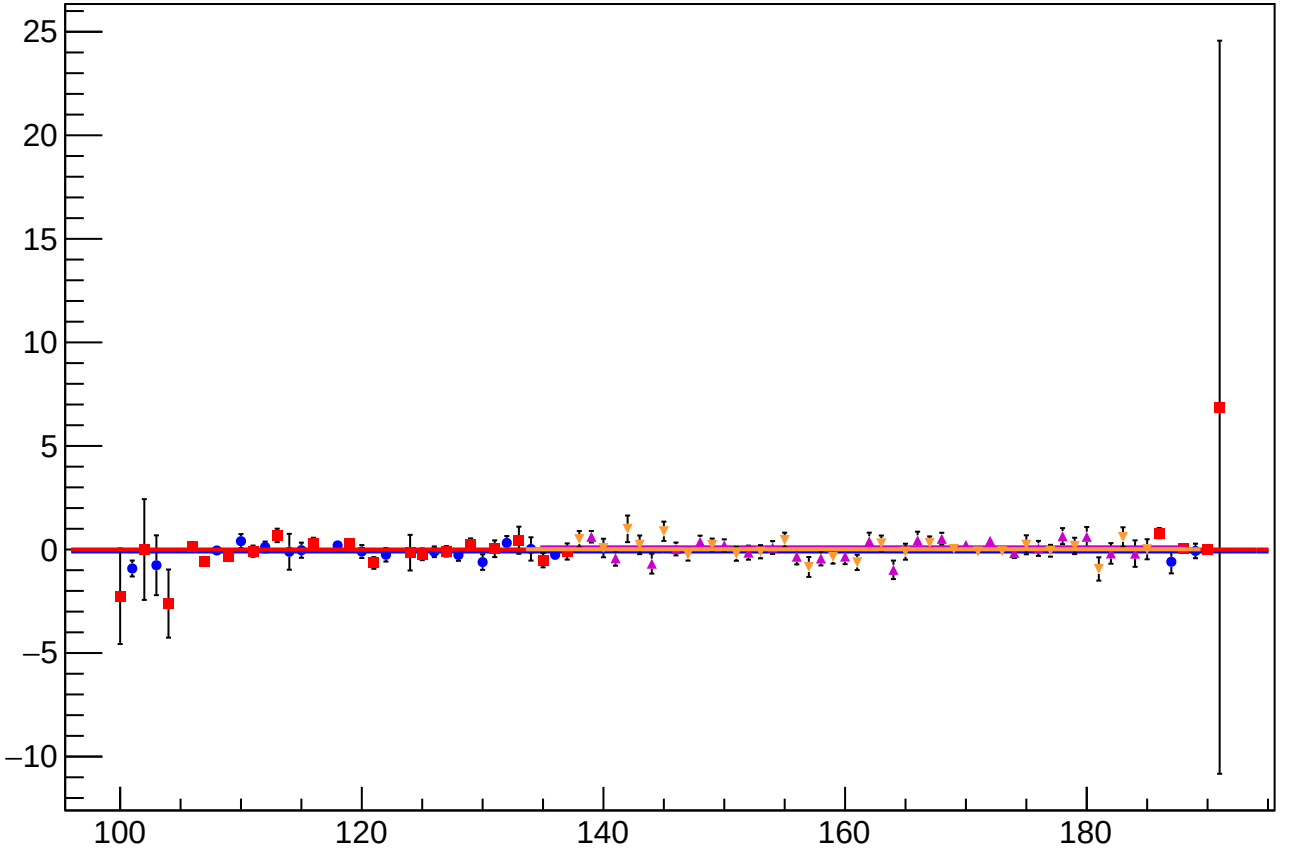
Left In: 0.006+/-0.000 χ^2/NDF:8144305.6/22

+ sign 0.006+/-0.000 χ^2/NDF: 15471411.7/42

All: 0.006+/-0.000 χ^2/NDF: 31212637.7/88

- sign 0.006+/-0.000 χ^2/NDF: 15542117.2/45

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: 0.001+/-0.058 χ^2/NDF: 40.1/22

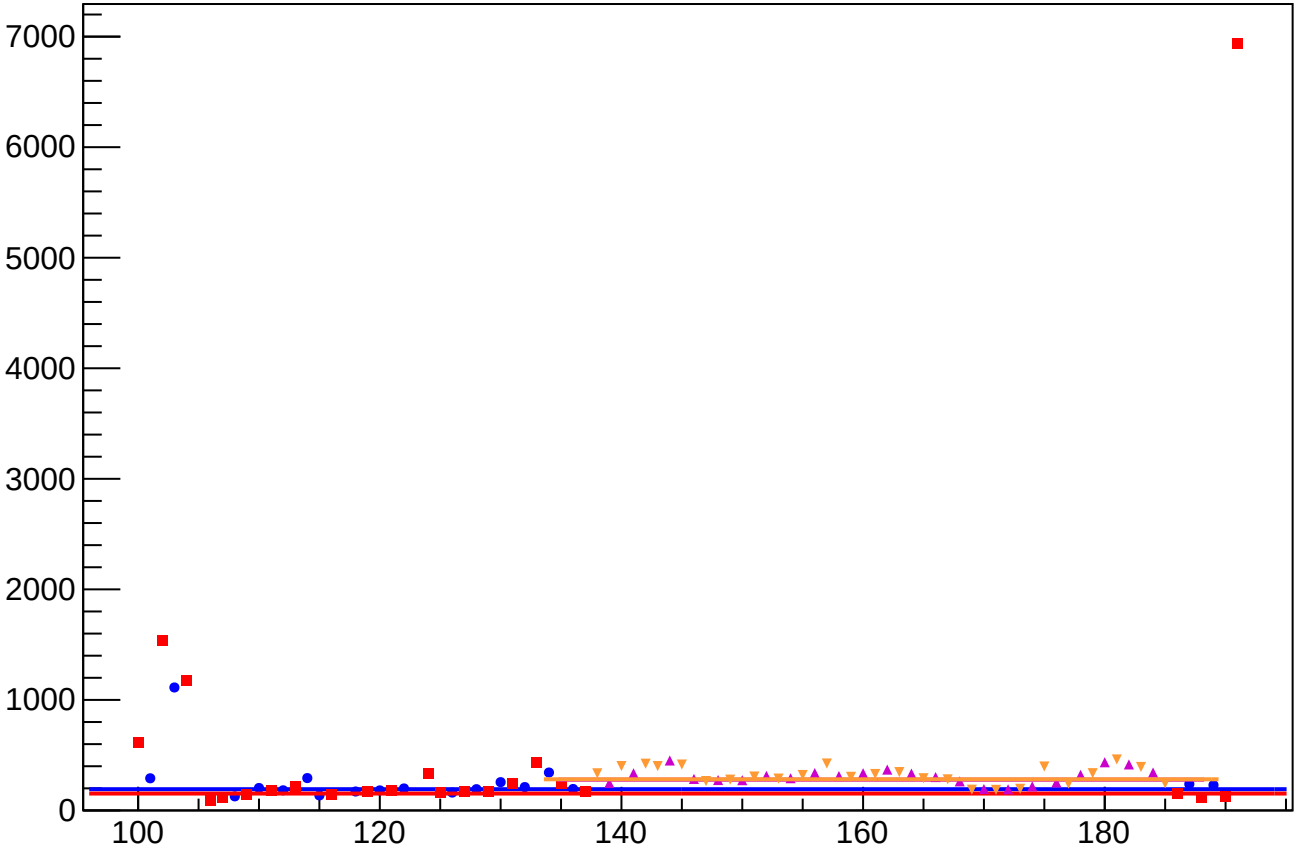
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.038+/-0.050 χ^2/NDF: 41.0/42

All: 0.009+/-0.033 χ^2/NDF: 115.4/88

- sign 0.045+/-0.044 χ^2/NDF: 72.9/45

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: 152.937+/-0.041 χ^2/NDF: 3135188.9/22

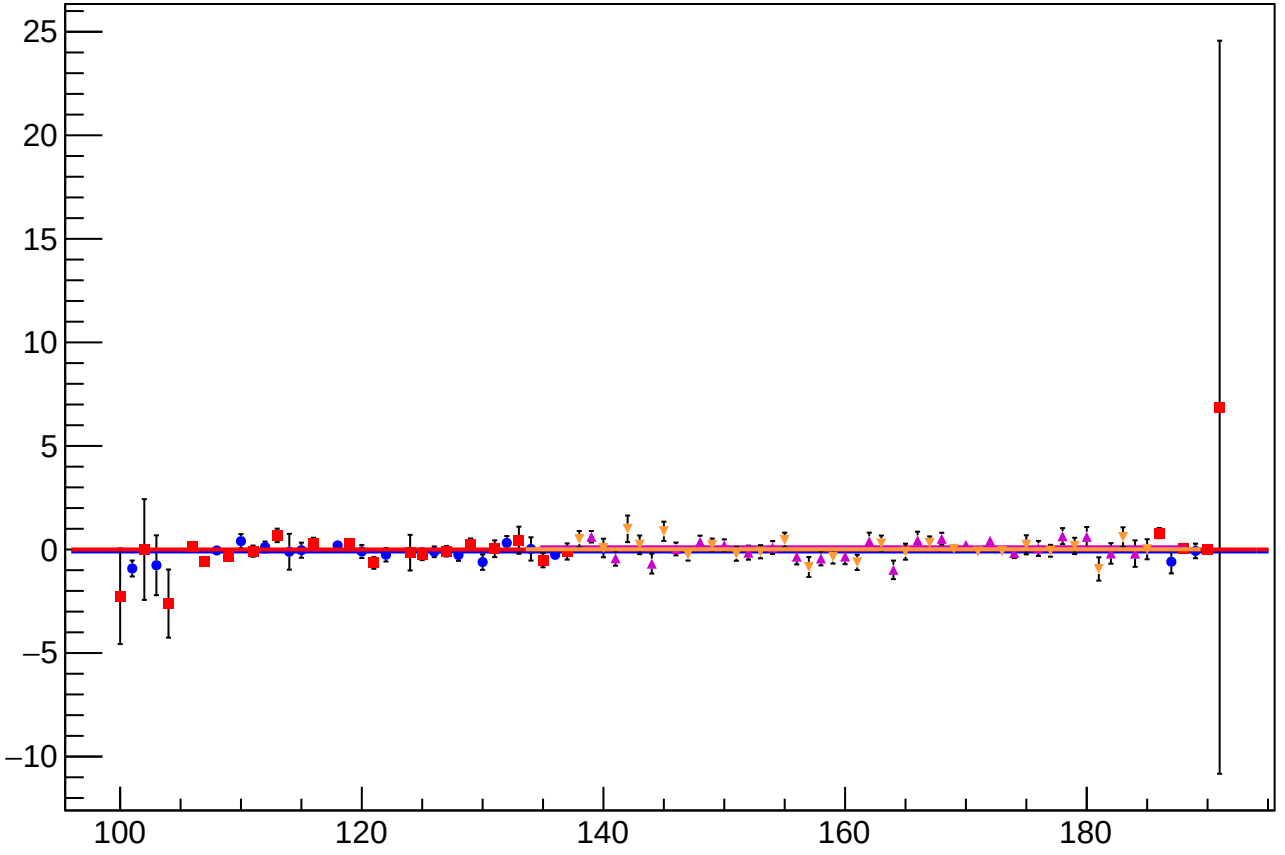
Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

+ sign 240.997+/-0.035 χ^2/NDF: 5603806.2/42

All: 221.104+/-0.024 χ^2/NDF: 14985497.7/88

- sign 205.530+/-0.031 χ^2/NDF: 8821635.7/45

asym_atr_avg_eigen_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

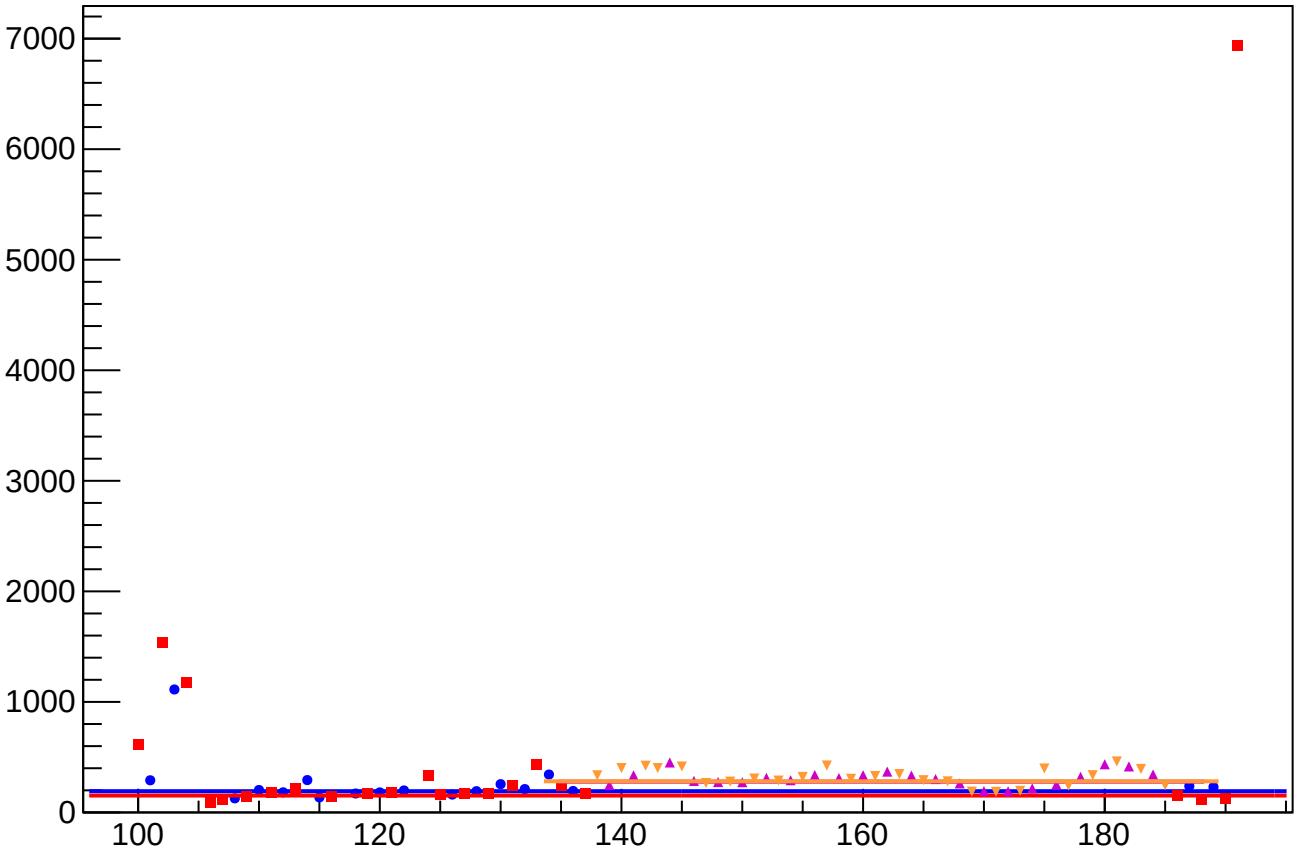
Right Out: 0.001+/-0.058 χ^2/NDF: 40.1/22

Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

\+ sign -0.038+/-0.050 χ^2/NDF: 41.0/42

All: 0.009+/-0.033 χ^2/NDF: 115.4/88

\- sign 0.045+/-0.044 χ^2/NDF: 72.9/45



Right In: 192.268+/-0.053 χ^2/NDF: 1503885.0/17

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

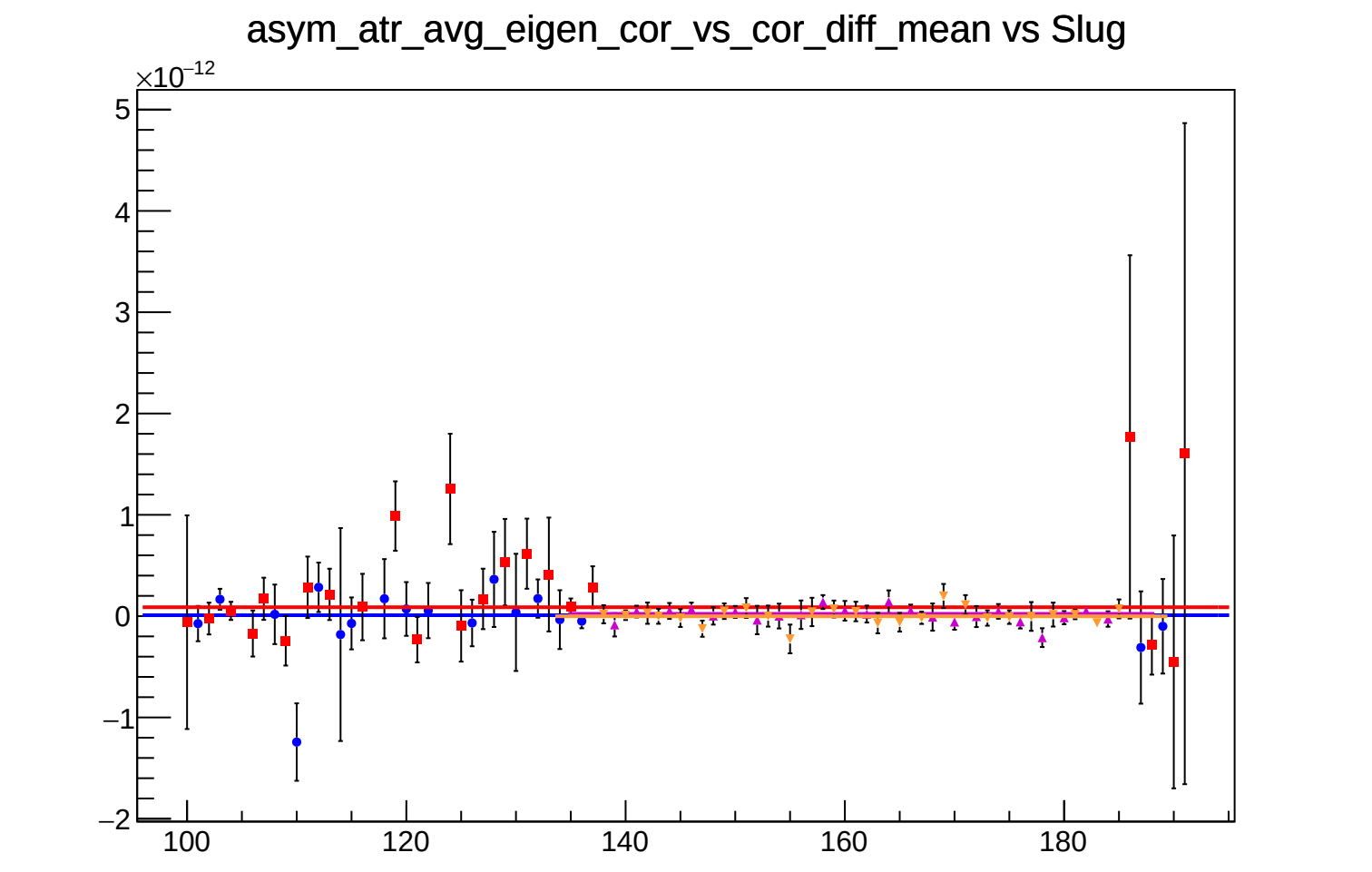
Right Out: 152.937+/-0.041 χ^2/NDF: 3135188.9/22

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

+ sign 240.997+/-0.035 χ^2/NDF: 5603806.2/42

All: 221.104+/-0.024 χ^2/NDF: 14985497.7/88

- sign 205.530+/-0.031 χ^2/NDF: 8821635.7/45



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: 26.1/22

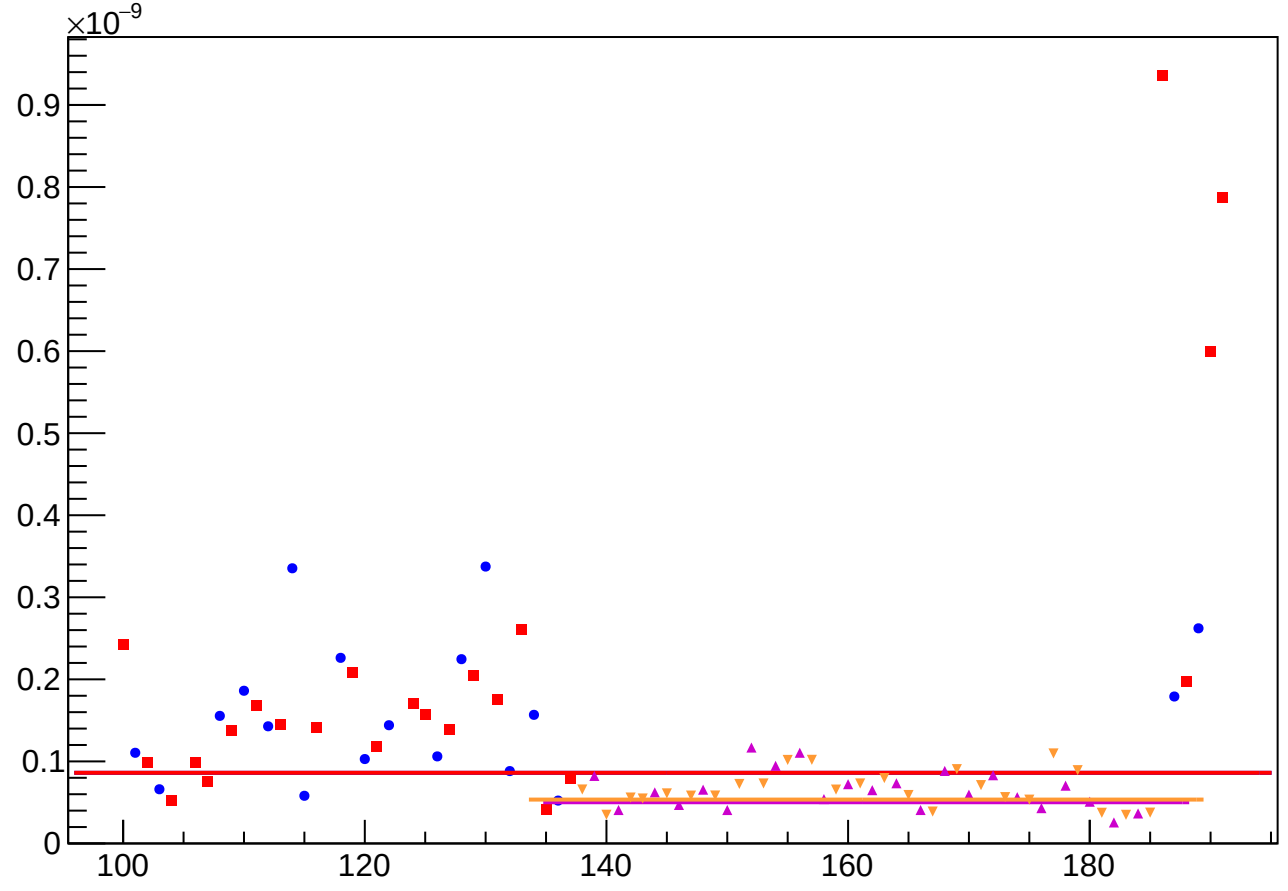
Left In: 0.000+/-0.000 χ^2/NDF:16.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 32.9/42

All: 0.000+/-0.000 χ^2/NDF: 79.8/88

- sign 0.000+/-0.000 χ^2/NDF: 44.9/45

asym_atr_avg_eigen_cor_vs_cor_diff_rms vs Slug



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: 3457209.3/22

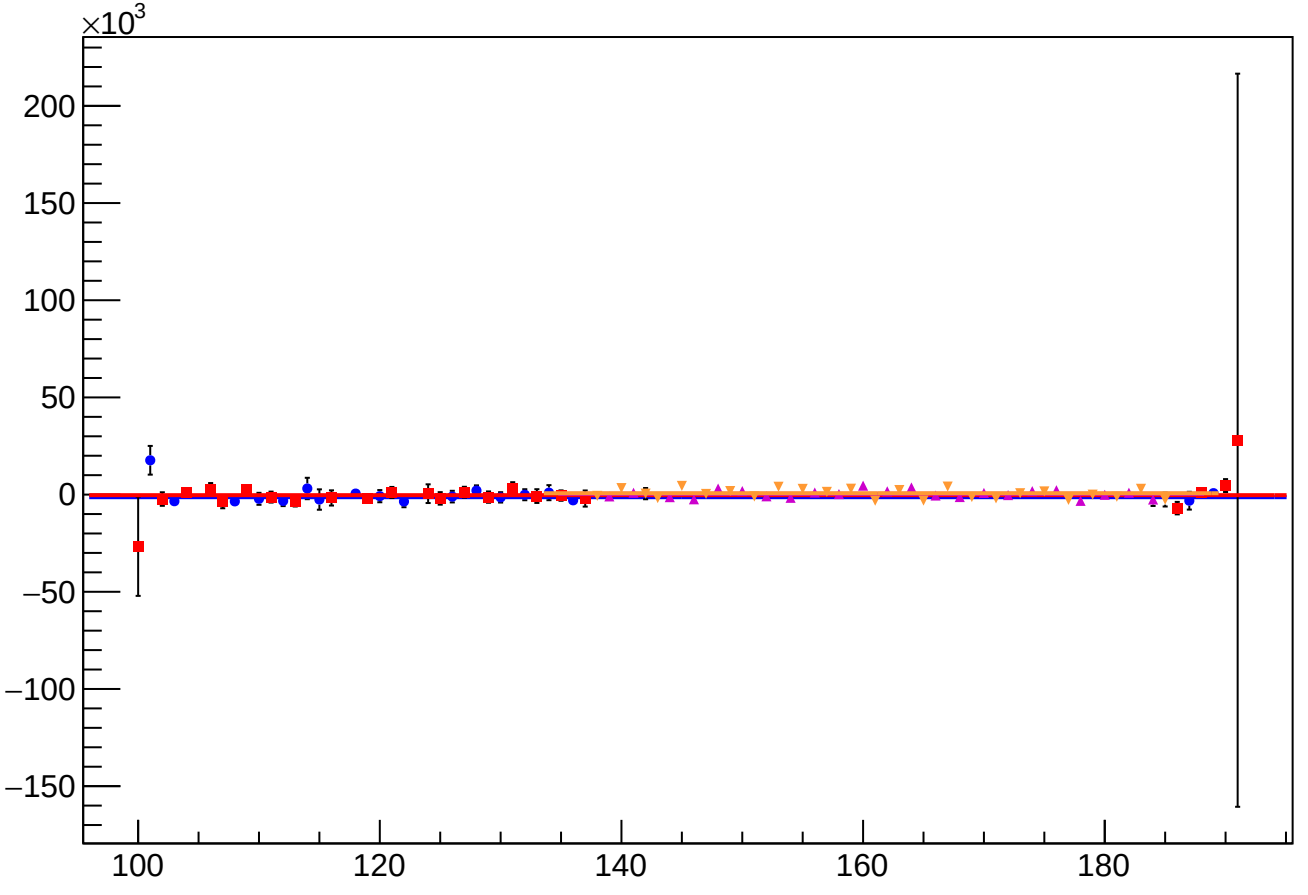
Left In: 0.000+/-0.000 χ^2/NDF:3367886.1/22

\+ sign 0.000+/-0.000 χ^2/NDF: 6166208.8/42

All: 0.000+/-0.000 χ^2/NDF: 14208114.7/88

\- sign 0.000+/-0.000 χ^2/NDF: 8003827.1/45

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: -292.398+/-639.825 χ^2/NDF: 16.8/22

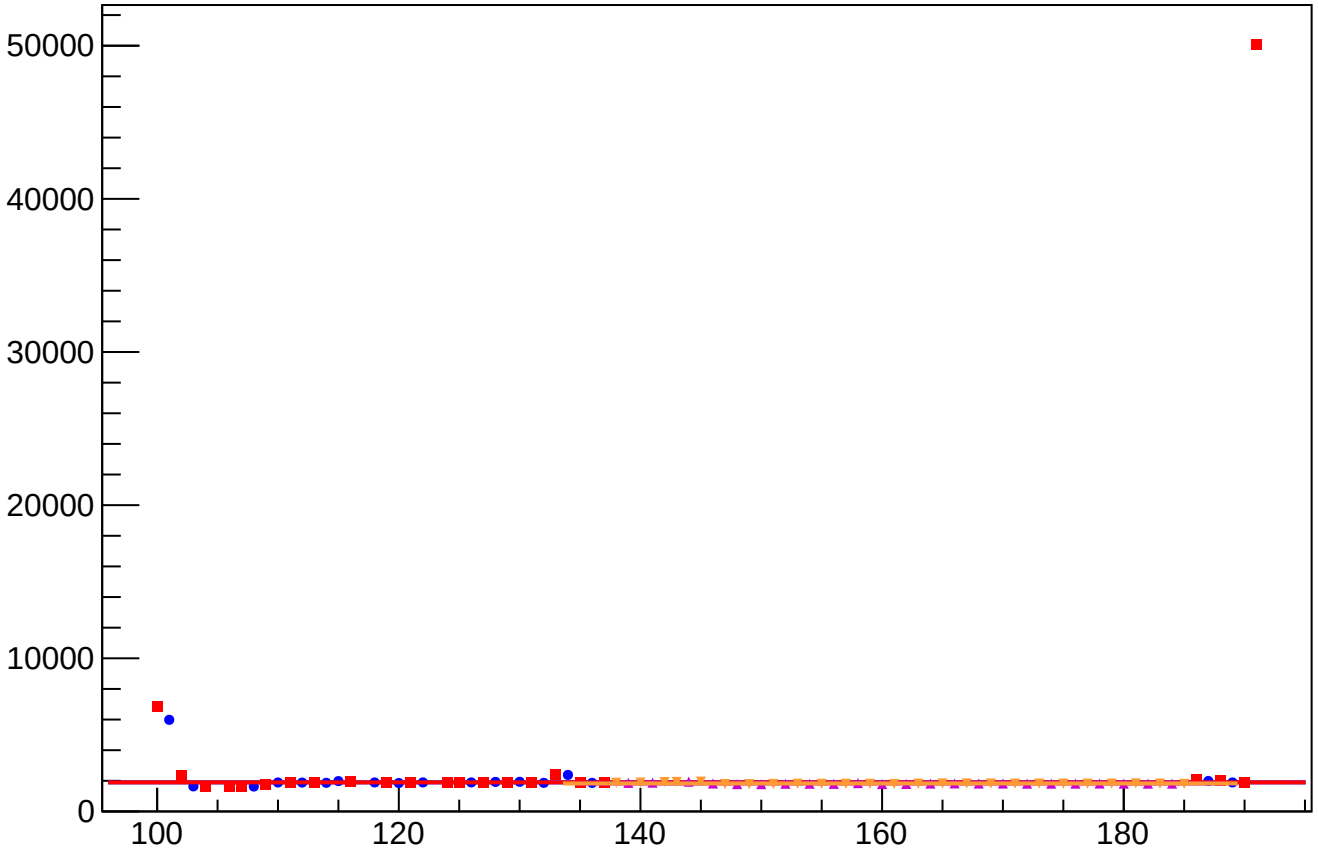
Left In: 403.144+/-426.215 χ^2/NDF:20.7/22

+ sign 162.633+/-355.702 χ^2/NDF: 52.7/42

All: 176.036+/-251.170 χ^2/NDF: 91.0/88

- sign 189.364+/-354.718 χ^2/NDF: 38.4/45

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

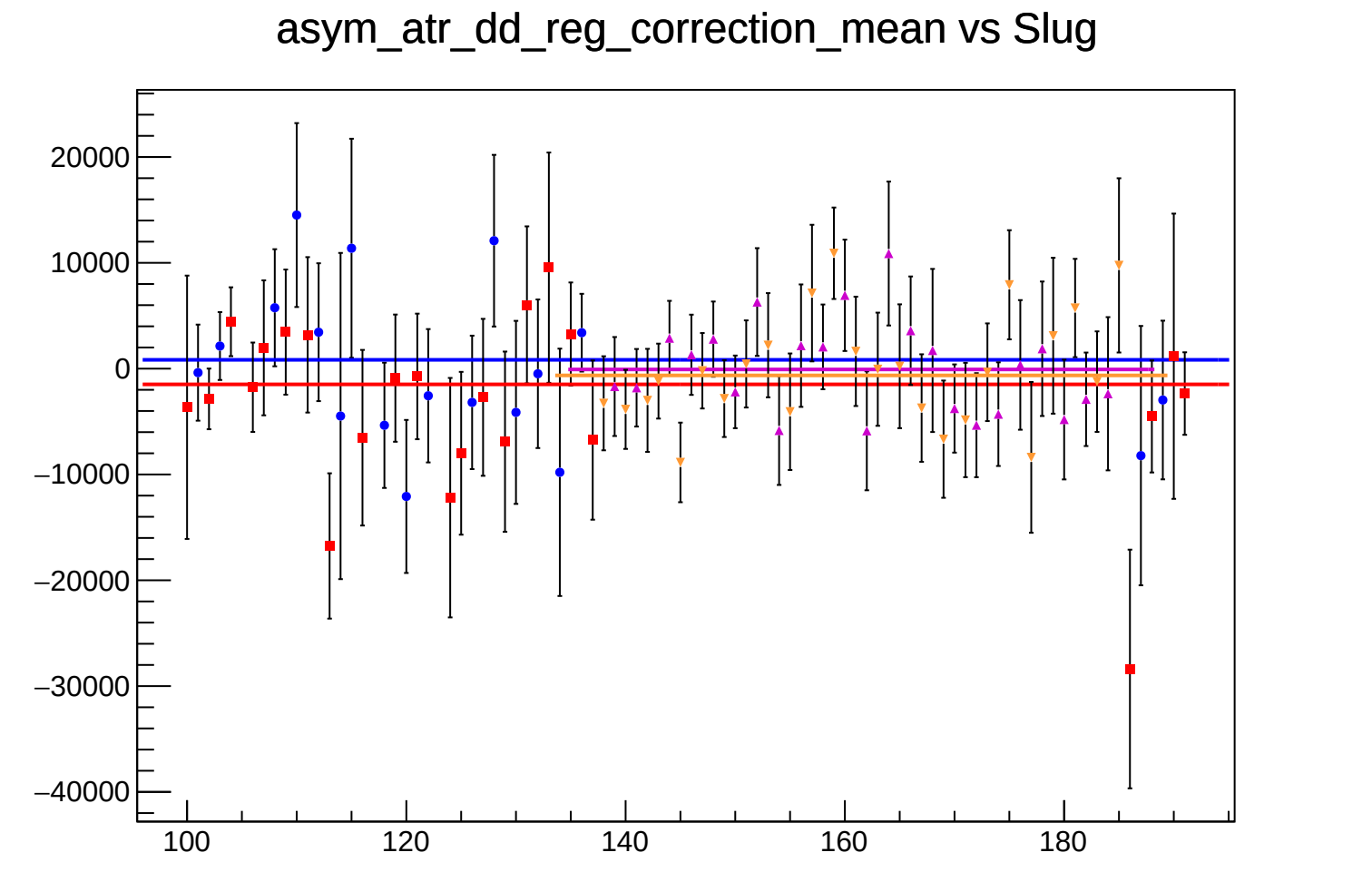
Right Out: 1899.411+/-0.451 χ^2/NDF: 366654.6/22

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1847.516+/-0.252 χ^2/NDF: 733751.7/42

All: 1847.796+/-0.178 χ^2/NDF: 1132495.3/88

- sign 1848.074+/-0.251 χ^2/NDF: 398741.1/45



Right In: 833.001+/-1441.221 χ^2/NDF: 14.2/17

Left Out: -637.703+/-946.866 χ^2/NDF:26.0/24

Right Out: -1485.741+/-1195.206 χ^2/NDF: 22.0/22

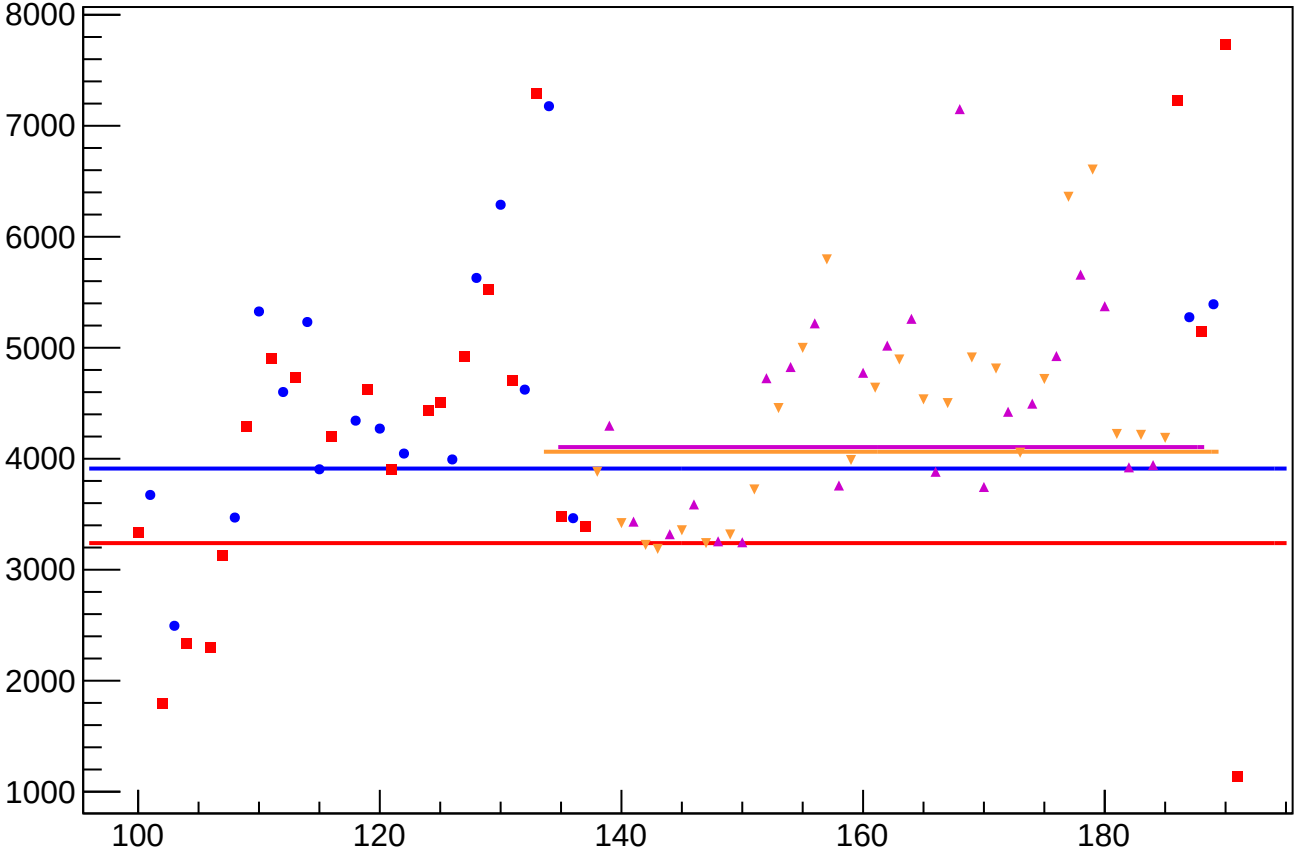
Left In: -75.764+/-980.243 χ^2/NDF:15.4/22

+ sign -194.289+/-791.357 χ^2/NDF: 40.9/42

All: -428.203+/-547.376 χ^2/NDF: 79.3/88

- sign -642.776+/-757.936 χ^2/NDF: 38.2/45

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: 3239.838+/-0.845 χ^2/NDF: 3178451.3/22

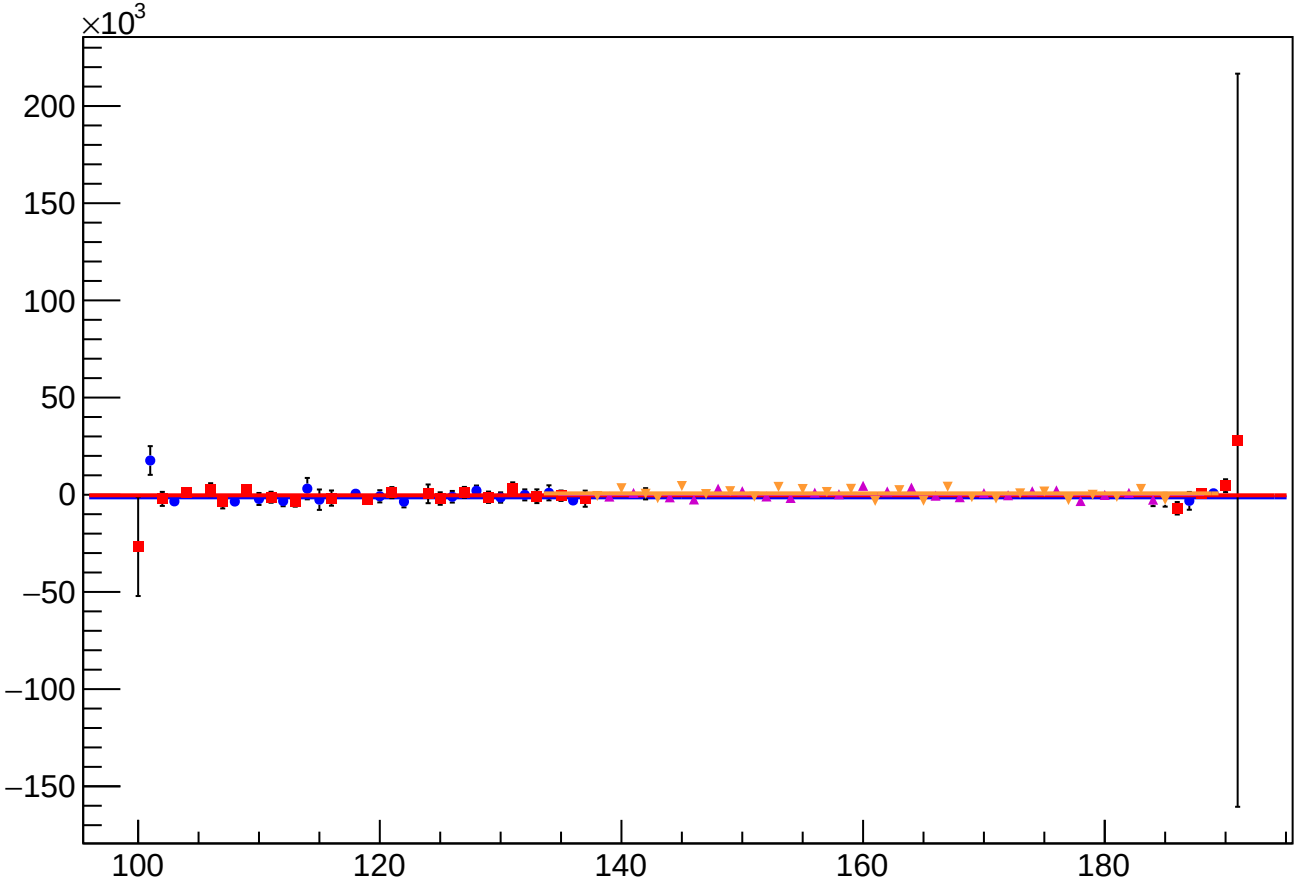
Left In: 4105.057+/-0.693 χ^2/NDF:1359493.1/22

+ sign 4017.442+/-0.560 χ^2/NDF: 2485437.2/42

All: 3881.666+/-0.387 χ^2/NDF: 7762871.9/88

- sign 3757.116+/-0.536 χ^2/NDF: 5164551.8/45

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: -283.638+/-640.540 χ^2/NDF: 16.7/22

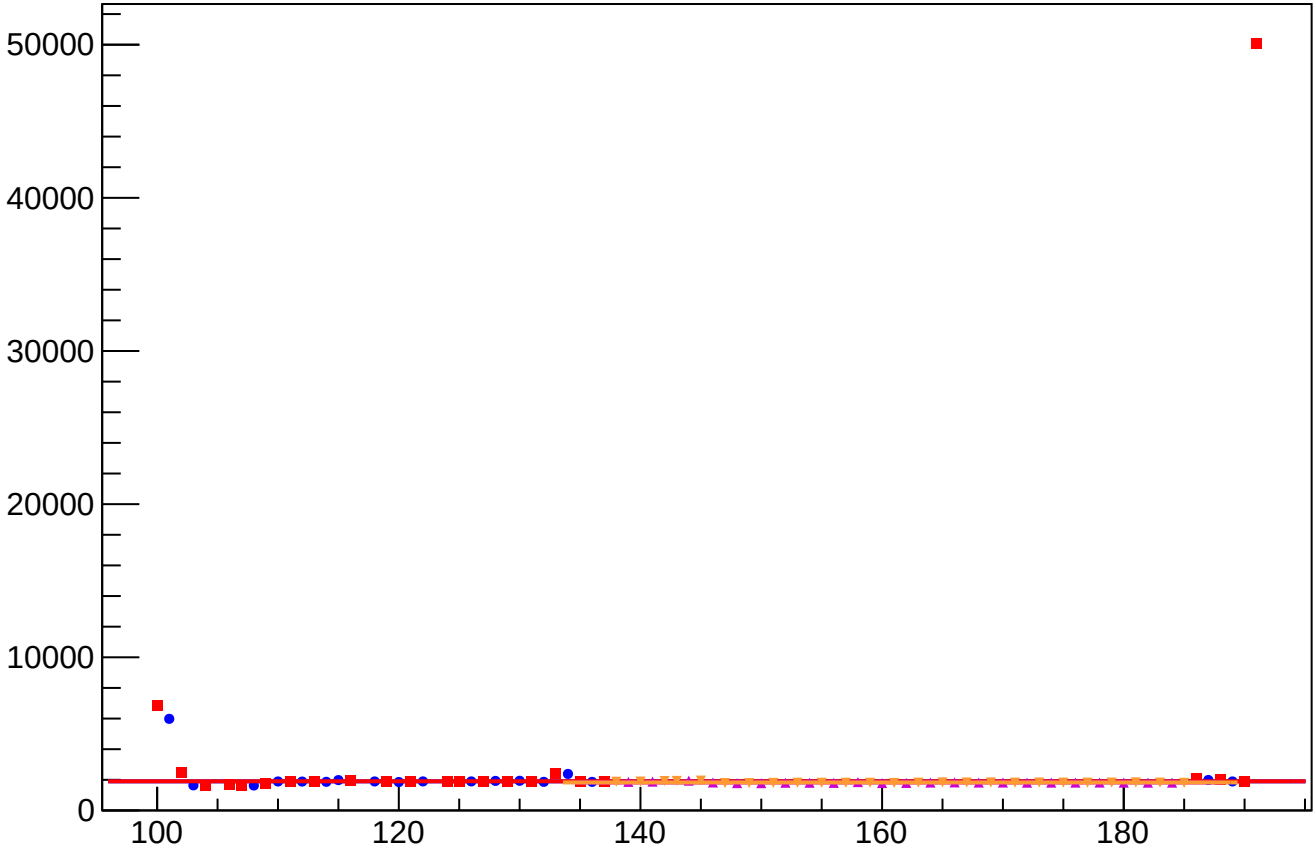
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

+ sign 162.580+/-355.702 χ^2/NDF: 52.6/42

All: 177.461+/-251.214 χ^2/NDF: 90.9/88

- sign 192.270+/-354.840 χ^2/NDF: 38.3/45

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

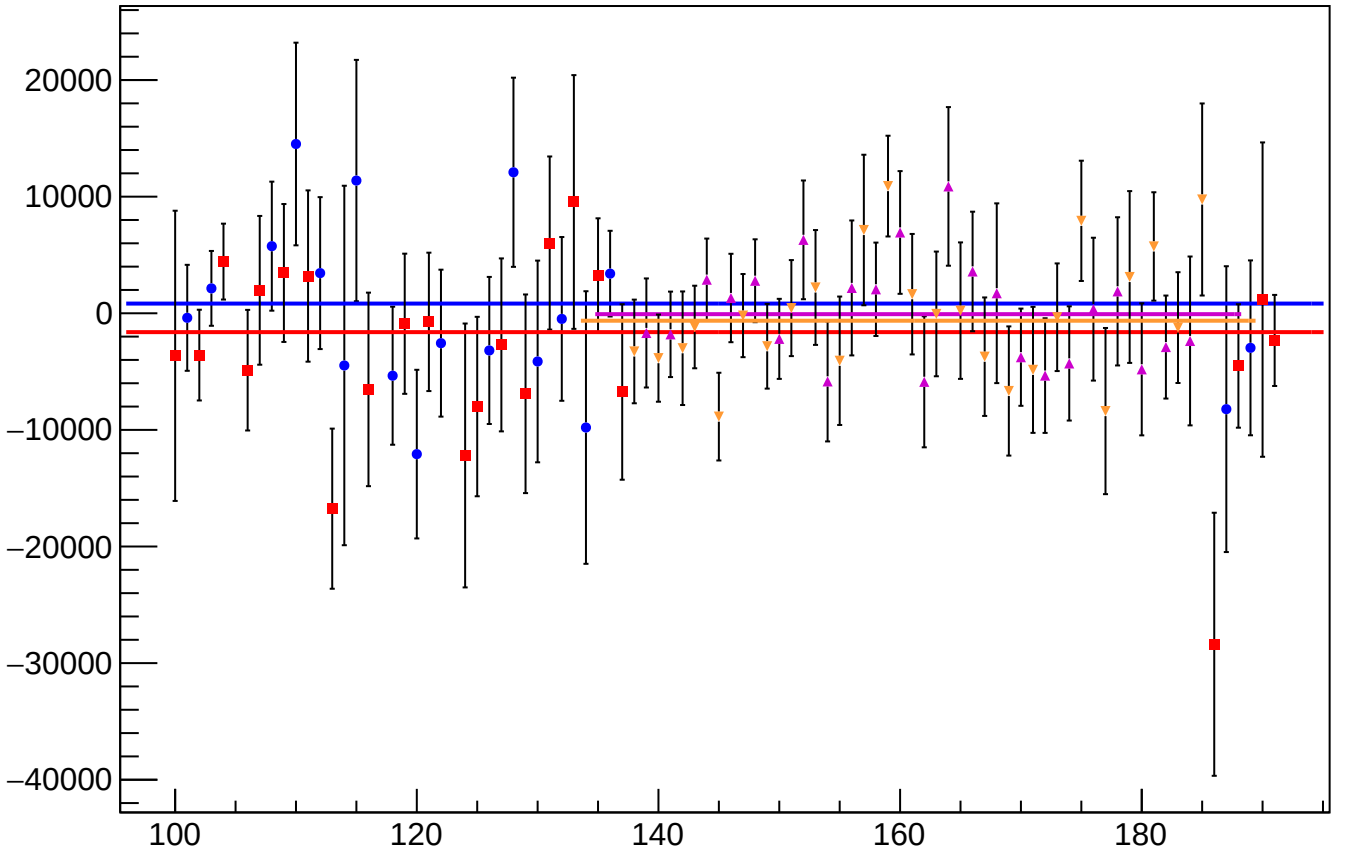
Right Out: 1905.146+/-0.452 χ^2/NDF: 374191.4/22

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1847.516+/-0.252 χ^2/NDF: 733751.8/42

All: 1848.638+/-0.178 χ^2/NDF: 1142994.9/88

- sign 1849.753+/-0.251 χ^2/NDF: 409203.5/45



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: -1616.610+/-1264.344 χ^2/NDF: 22.4/22

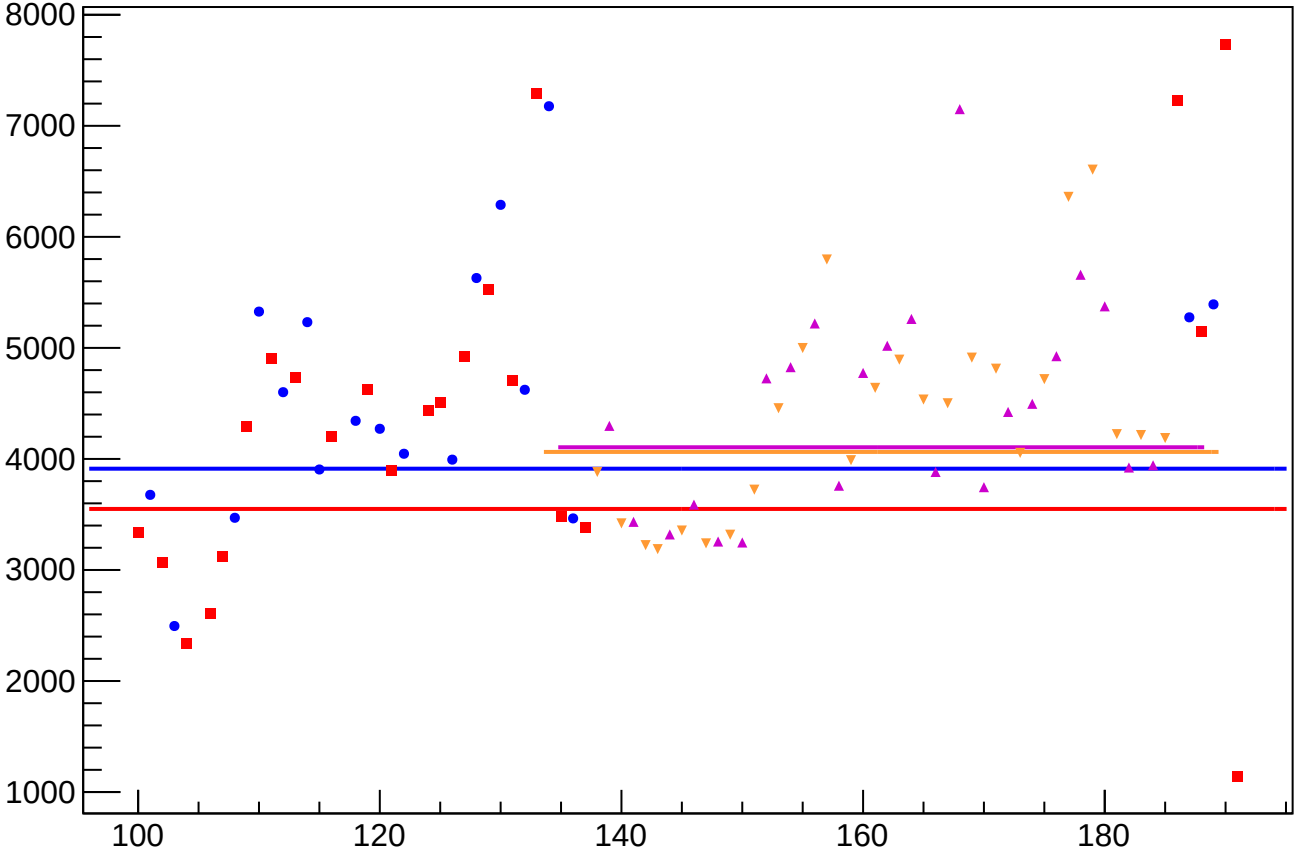
Left In: -75.789+/-980.241 χ^2/NDF:15.4/22

+ sign -194.723+/-791.383 χ^2/NDF: 40.9/42

All: -429.385+/-553.595 χ^2/NDF: 79.9/88

- sign -654.249+/-774.686 χ^2/NDF: 38.8/45

asym_atr_dd_cor_correction_rms vs Slug



Right In: 3912.162+/-1.019 χ^2/NDF: 1064433.5/17

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

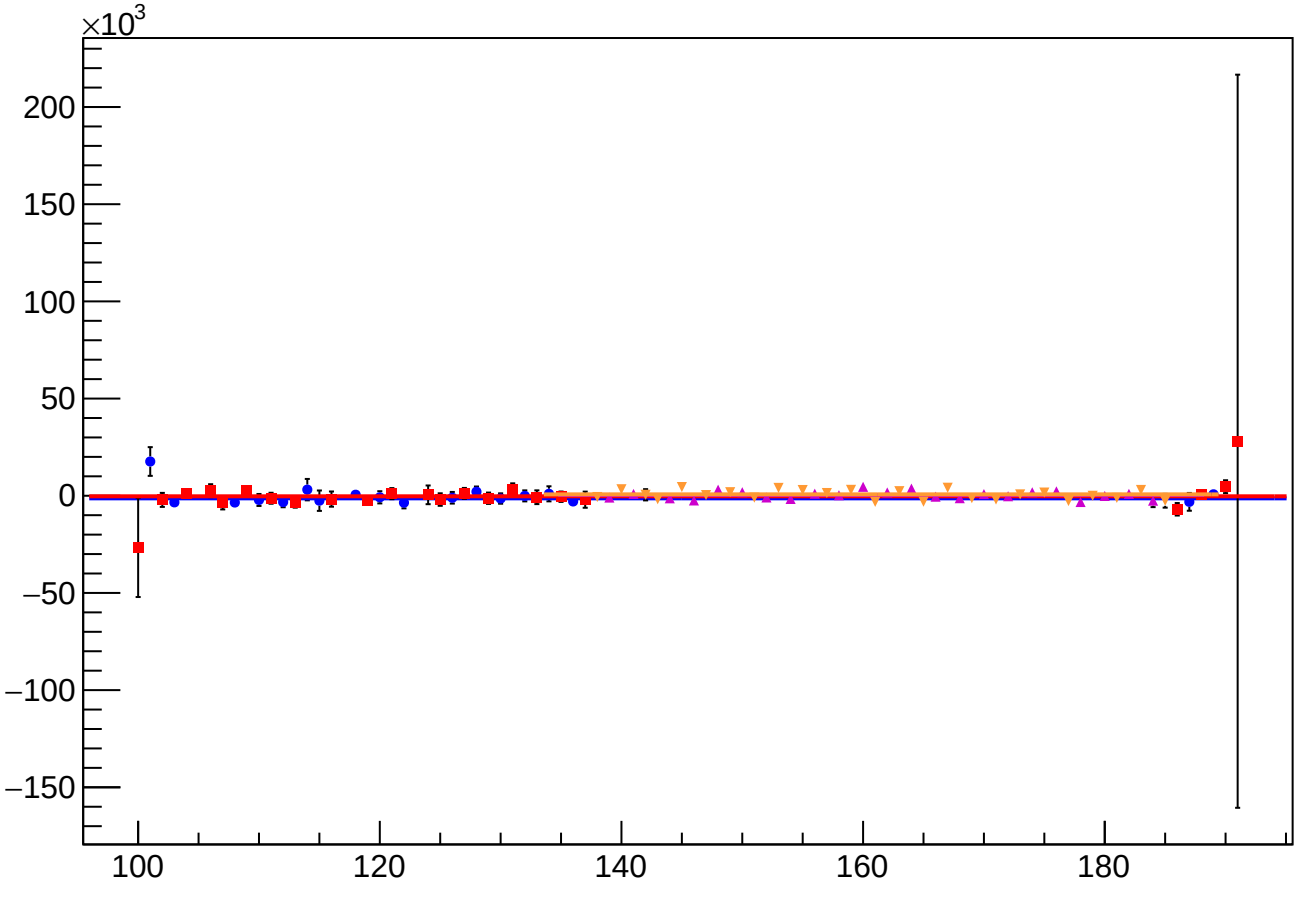
Right Out: 3549.648+/-0.894 χ^2/NDF: 2483172.3/22

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 4017.604+/-0.560 χ^2/NDF: 2484785.5/42

All: 3955.780+/-0.391 χ^2/NDF: 6592407.5/88

- sign 3896.539+/-0.548 χ^2/NDF: 4083720.5/45



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: -283.638+/-640.540 χ^2/NDF: 16.7/22

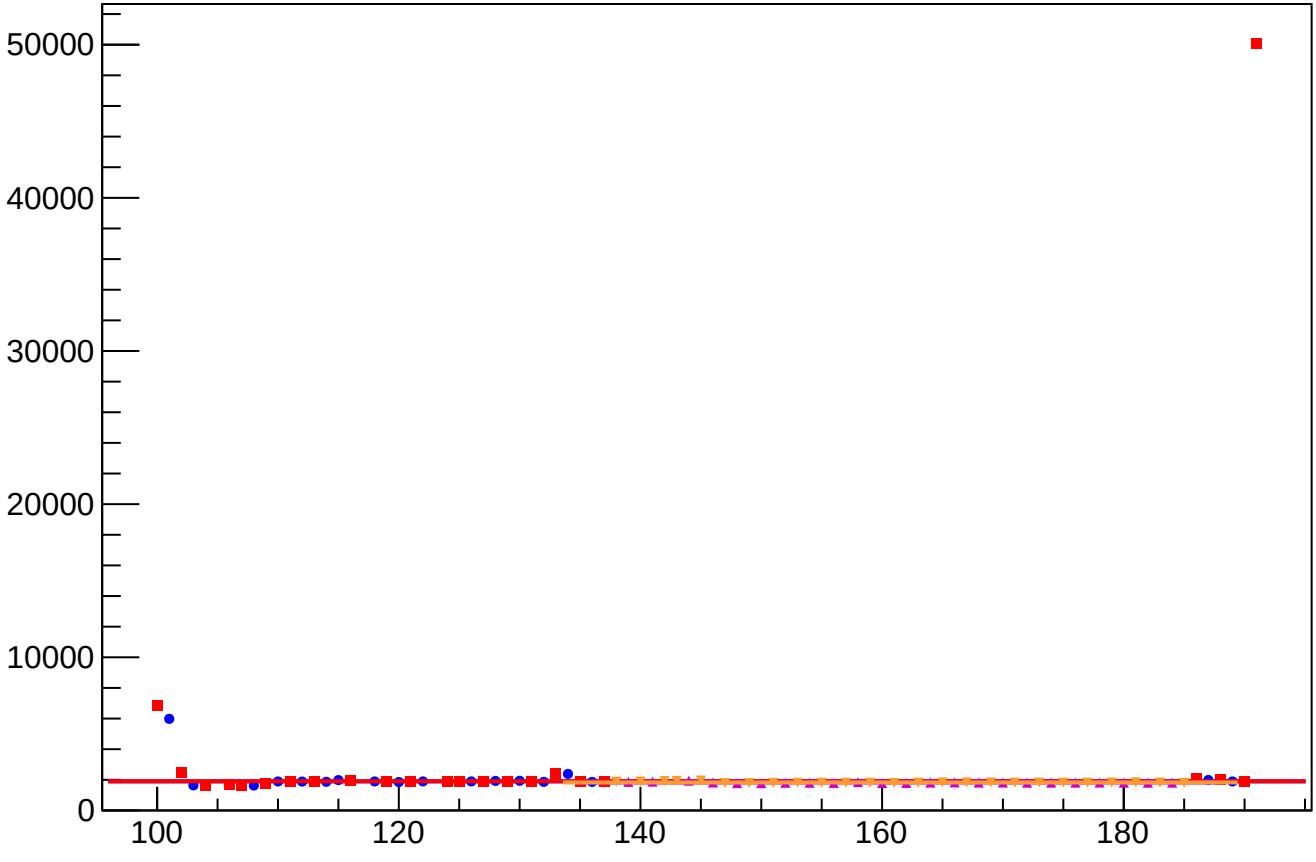
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

+ sign 162.580+/-355.702 χ^2/NDF: 52.6/42

All: 177.461+/-251.214 χ^2/NDF: 90.9/88

- sign 192.270+/-354.840 χ^2/NDF: 38.3/45

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

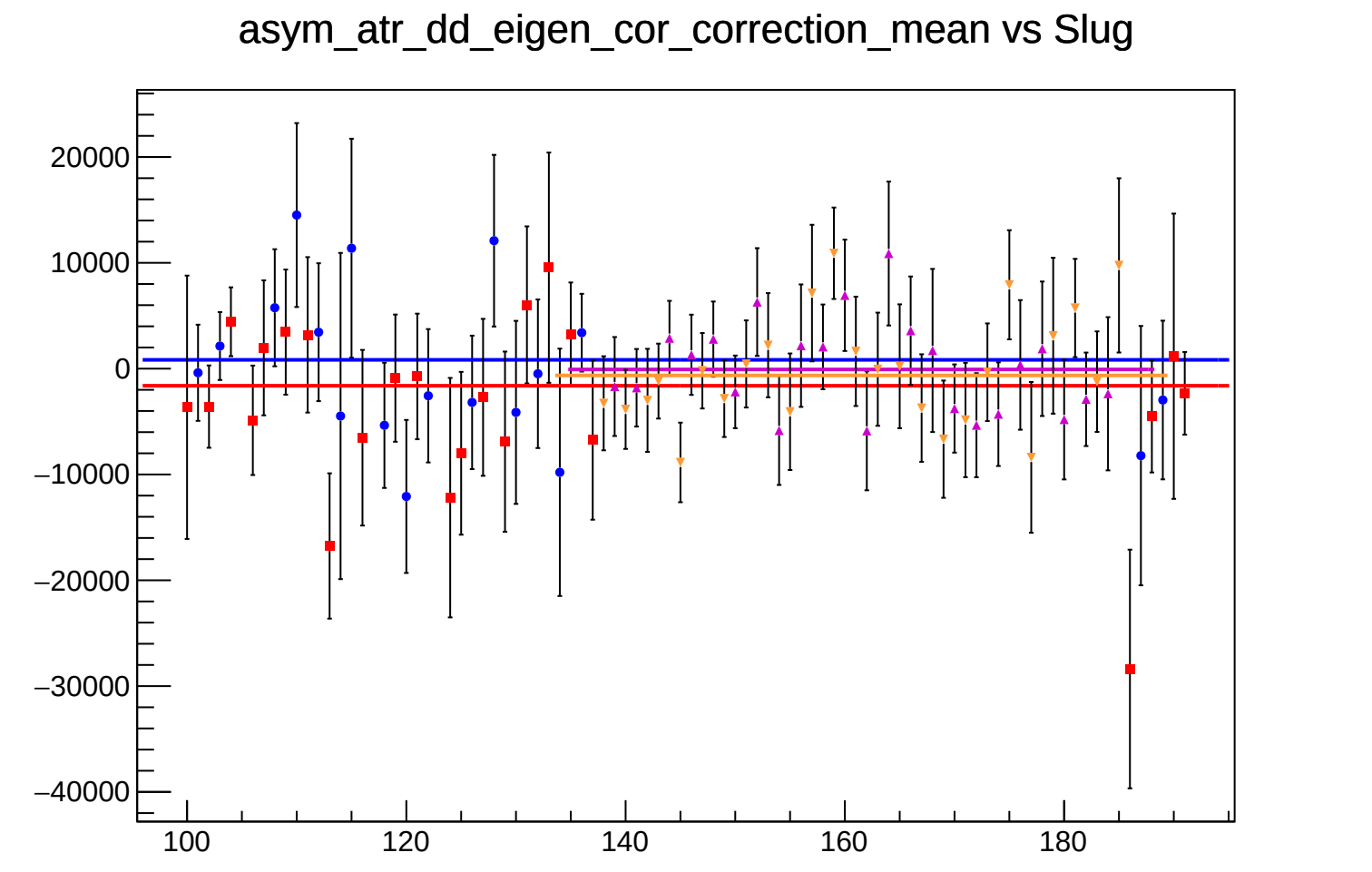
Right Out: 1905.146+/-0.452 χ^2/NDF: 374191.4/22

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1847.516+/-0.252 χ^2/NDF: 733751.8/42

All: 1848.638+/-0.178 χ^2/NDF: 1142994.9/88

- sign 1849.753+/-0.251 χ^2/NDF: 409203.5/45



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: -1616.610+/-1264.344 χ^2/NDF: 22.4/22

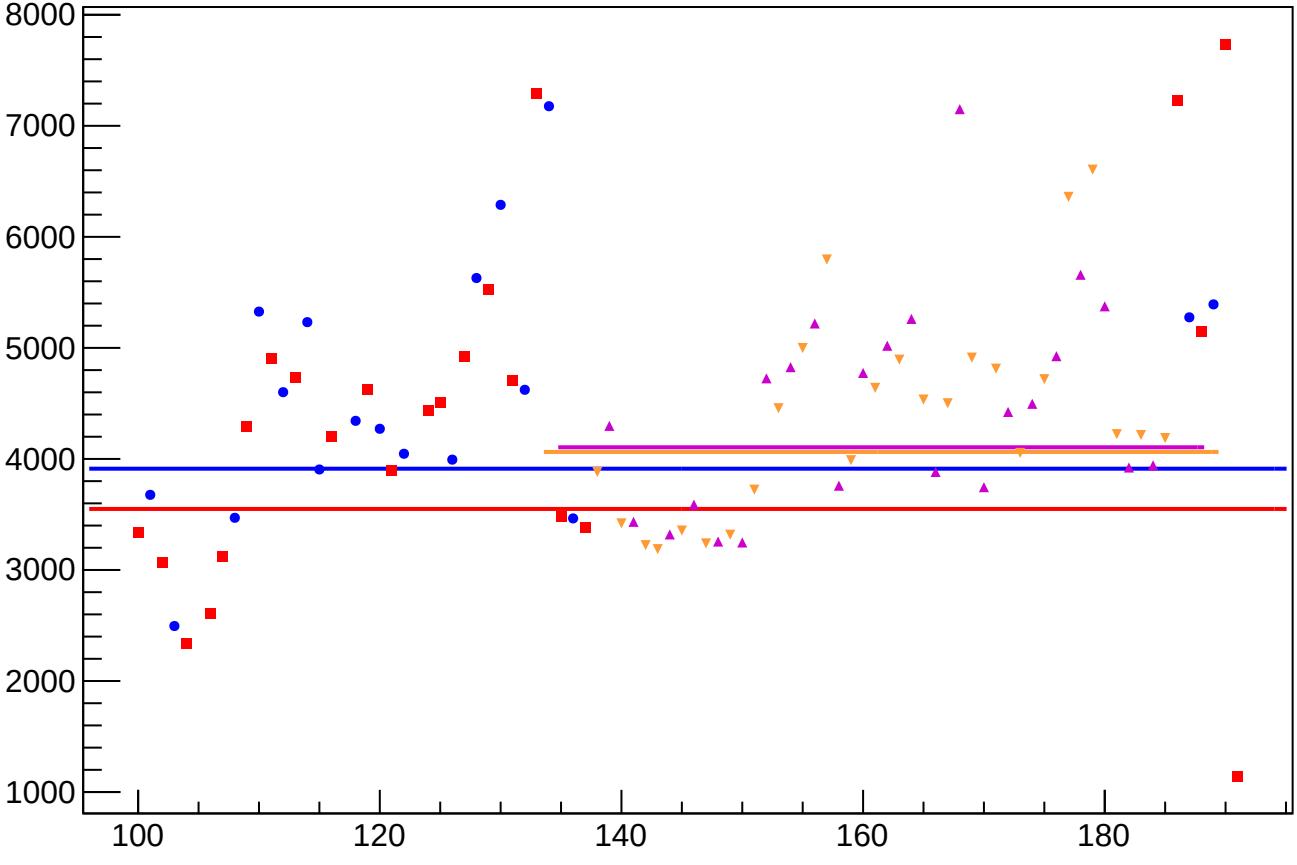
Left In: -75.789+/-980.241 χ^2/NDF:15.4/22

+ sign -194.723+/-791.383 χ^2/NDF: 40.9/42

All: -429.385+/-553.595 χ^2/NDF: 79.9/88

- sign -654.249+/-774.686 χ^2/NDF: 38.8/45

asym_atr_dd_eigen_cor_correction_rms vs Slug



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: 3549.648+/-0.894 χ^2/NDF: 2483172.3/22

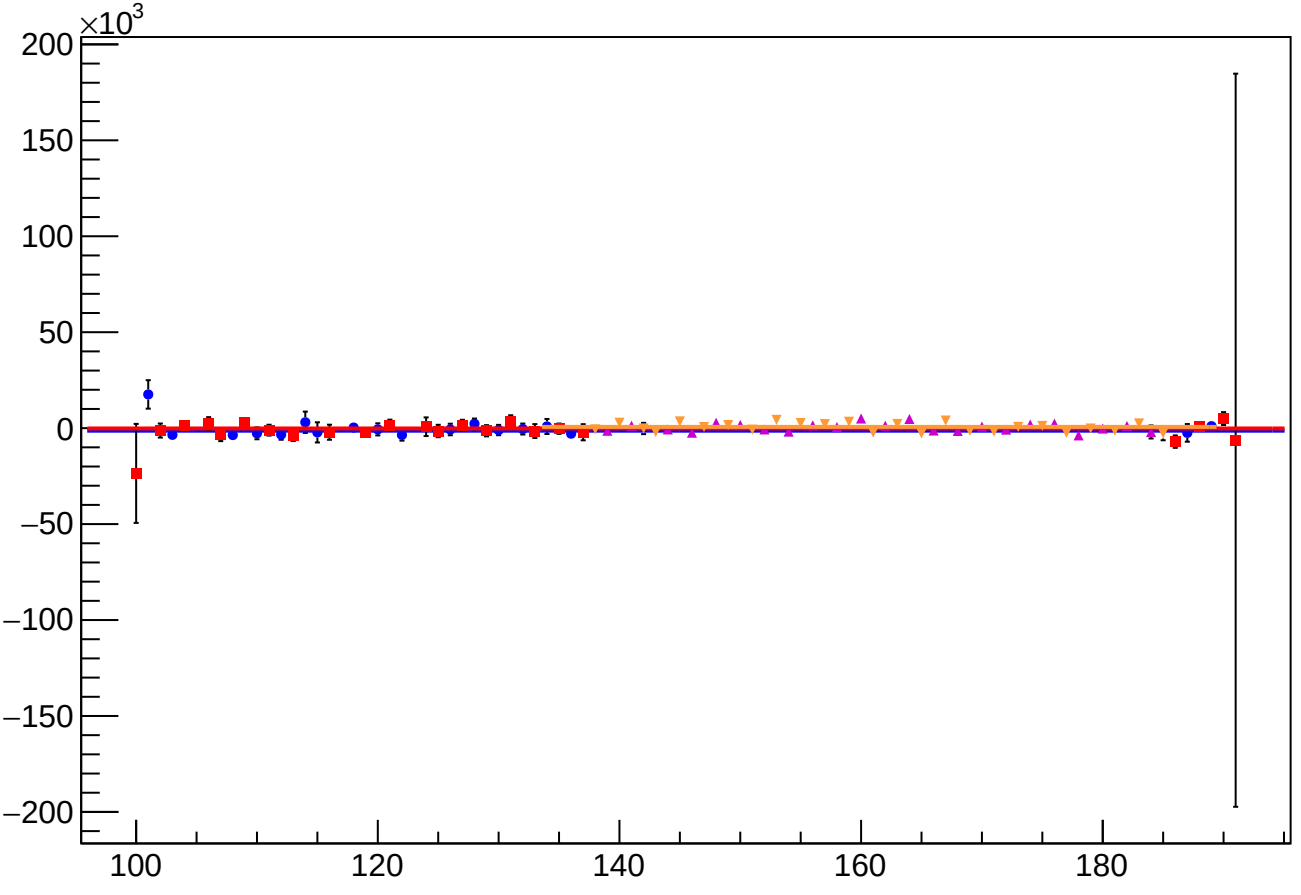
Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 4017.604+/-0.560 χ^2/NDF: 2484785.5/42

All: 3955.780+/-0.391 χ^2/NDF: 6592407.5/88

- sign 3896.539+/-0.548 χ^2/NDF: 4083720.5/45

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: -175.358+/-644.993 χ^2/NDF: 18.0/22

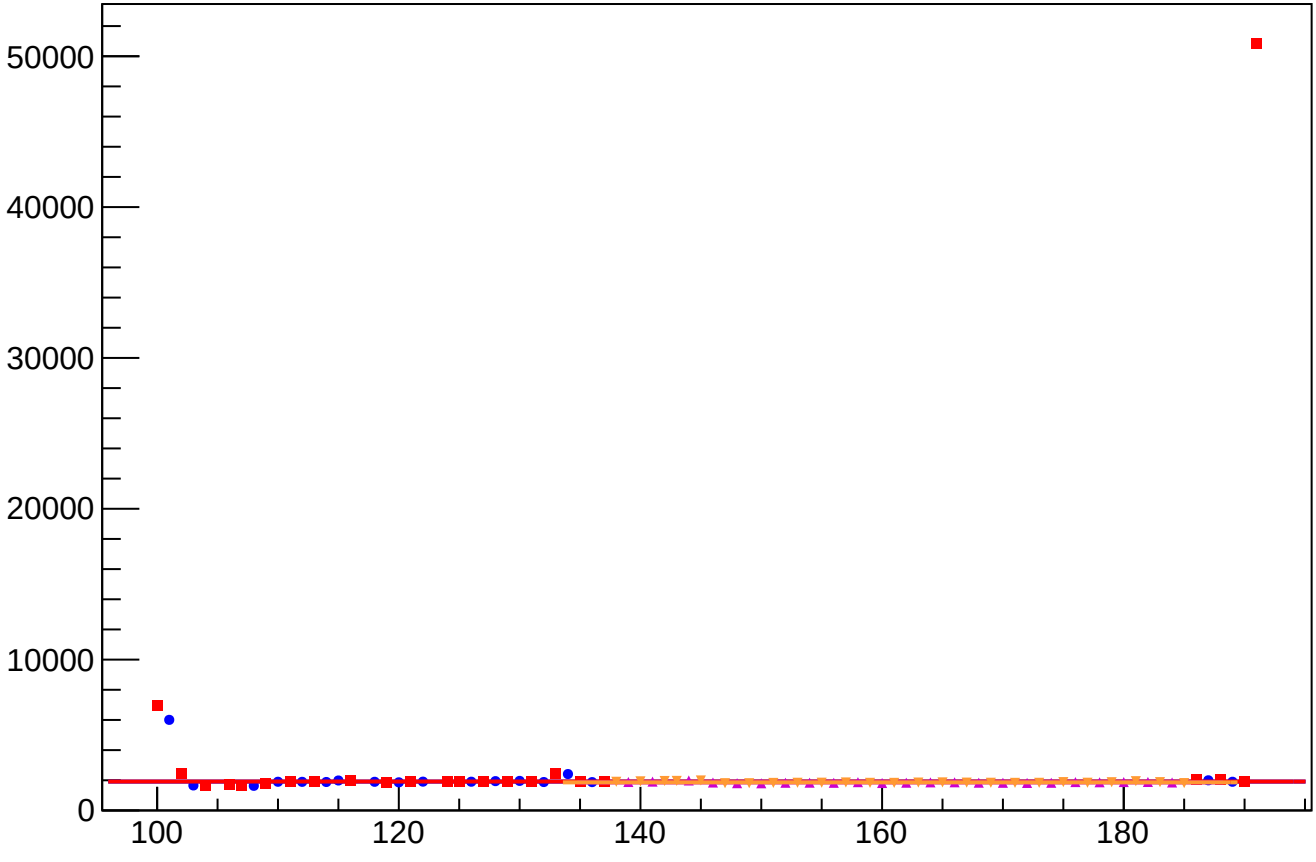
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

+ sign 124.101+/-361.161 χ^2/NDF: 47.4/42

All: 176.345+/-254.965 χ^2/NDF: 89.7/88

- sign 228.251+/-359.992 χ^2/NDF: 42.2/45

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

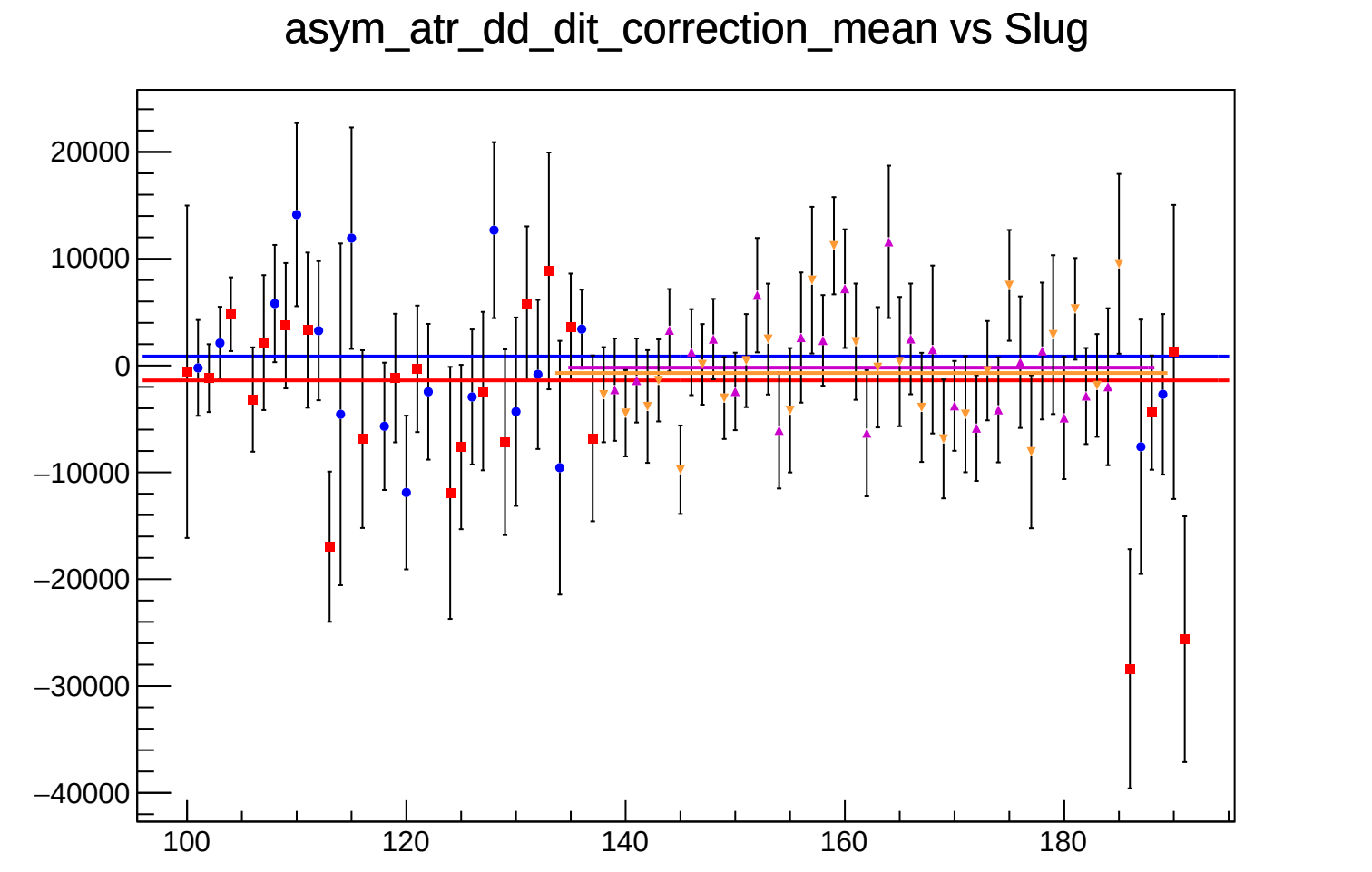
Right Out: 1918.264+/-0.456 χ^2/NDF: 377076.1/22

Left In: 1857.661+/-0.307 χ^2/NDF:16381.0/22

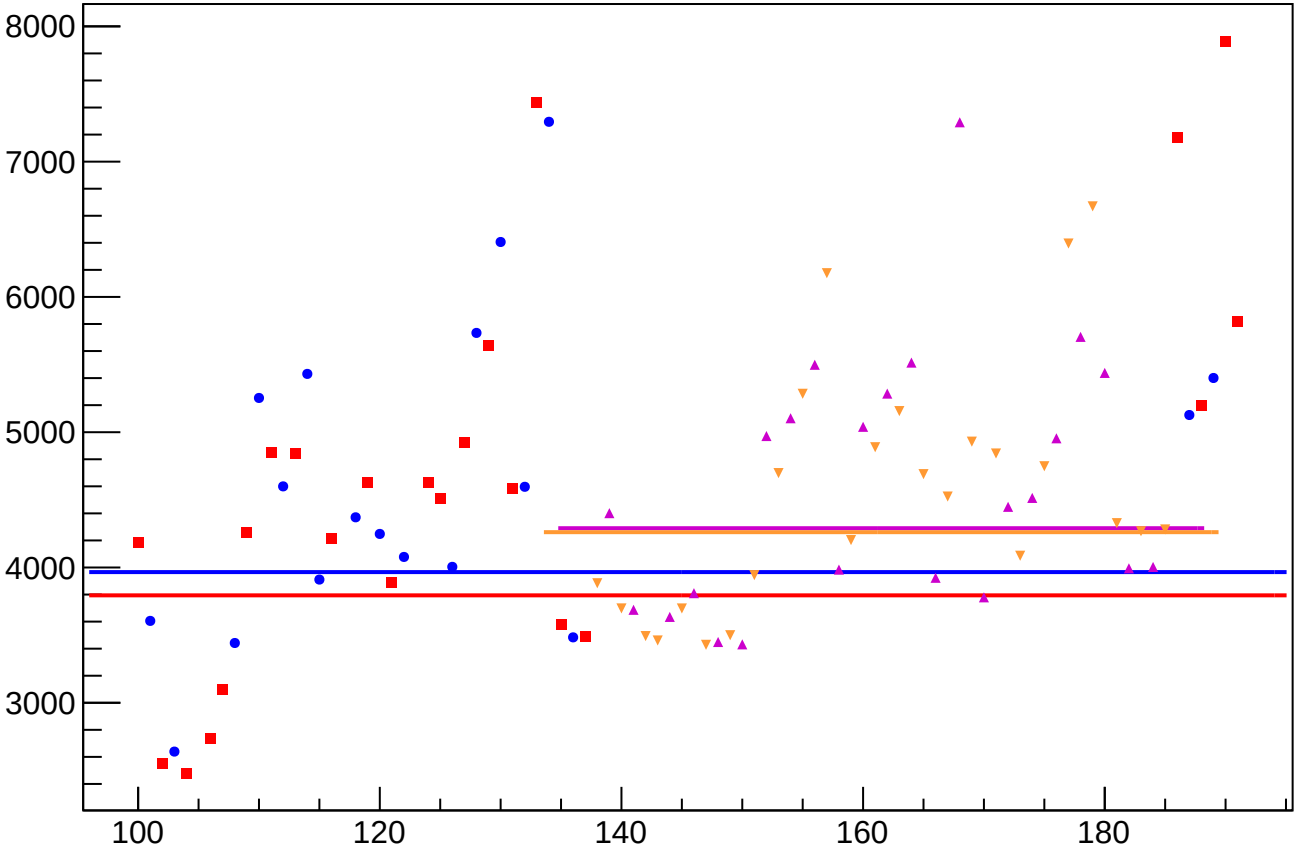
+ sign 1875.802+/-0.255 χ^2/NDF: 731134.8/42

All: 1876.183+/-0.180 χ^2/NDF: 1136767.8/88

- sign 1876.562+/-0.254 χ^2/NDF: 405628.5/45


asym_atr_dd_dit_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
Right In: 846.019+/-1457.765 χ²/NDF: 14.2/17
Left Out: -698.287+/-990.035 χ²/NDF:25.3/24
Right Out: -1385.312+/-1304.155 χ²/NDF: 26.1/22
Left In: -192.486+/-1022.469 χ²/NDF:15.2/22
+ sign -210.828+/-819.011 χ²/NDF: 40.3/42
All: -432.552+/-573.984 χ²/NDF: 82.2/88
- sign -646.569+/-804.652 χ²/NDF: 41.8/45

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: 3794.140+/-0.922 χ^2/NDF: 1828904.0/22

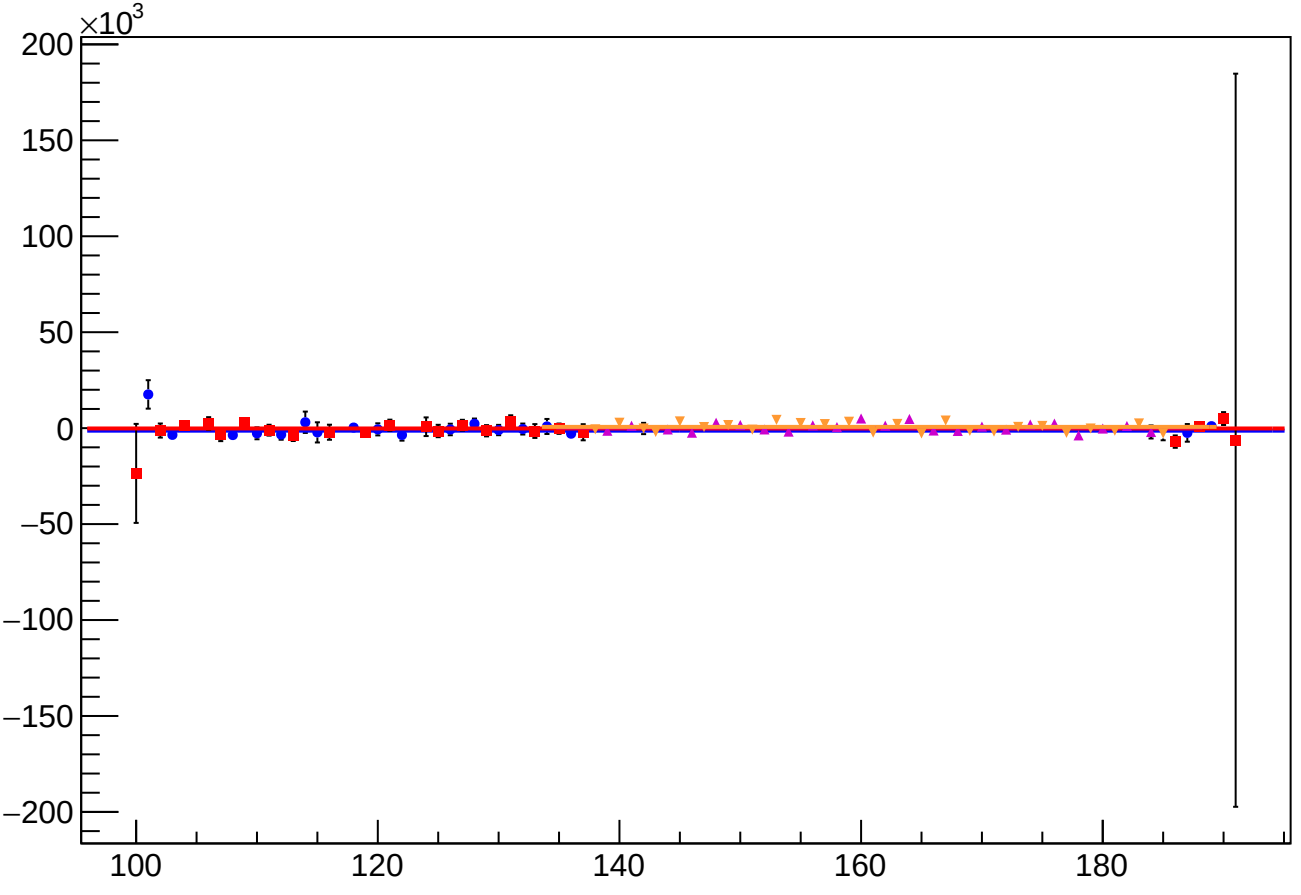
Left In: 4290.398+/-0.723 χ^2/NDF:1213964.7/22

+ sign 4167.972+/-0.579 χ^2/NDF: 2221993.6/42

All: 4134.140+/-0.406 χ^2/NDF: 5450920.2/88

- sign 4101.483+/-0.569 χ^2/NDF: 3222219.4/45

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: -175.352+/-644.993 χ^2/NDF: 18.0/22

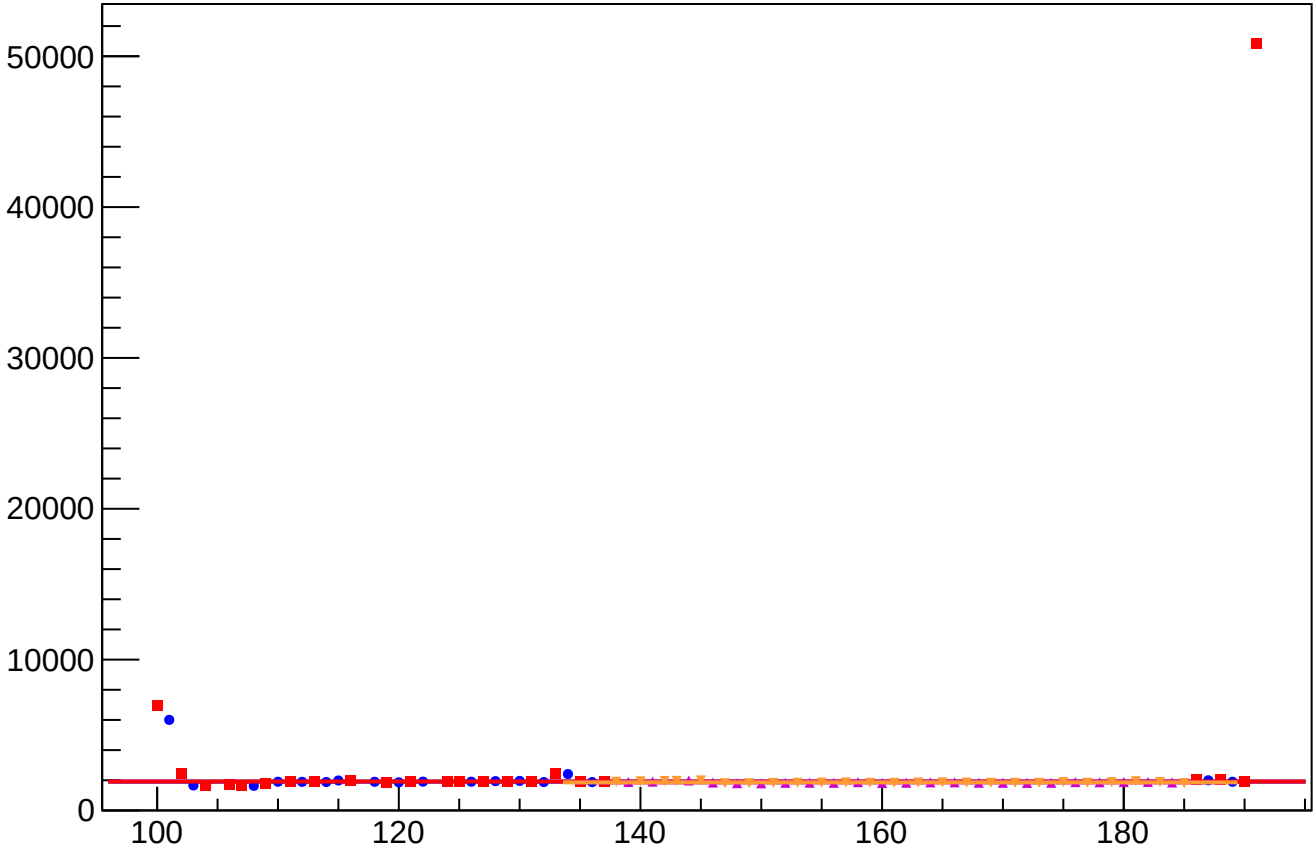
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

+ sign 124.104+/-361.161 χ^2/NDF: 47.4/42

All: 176.347+/-254.965 χ^2/NDF: 89.7/88

- sign 228.253+/-359.992 χ^2/NDF: 42.2/45

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

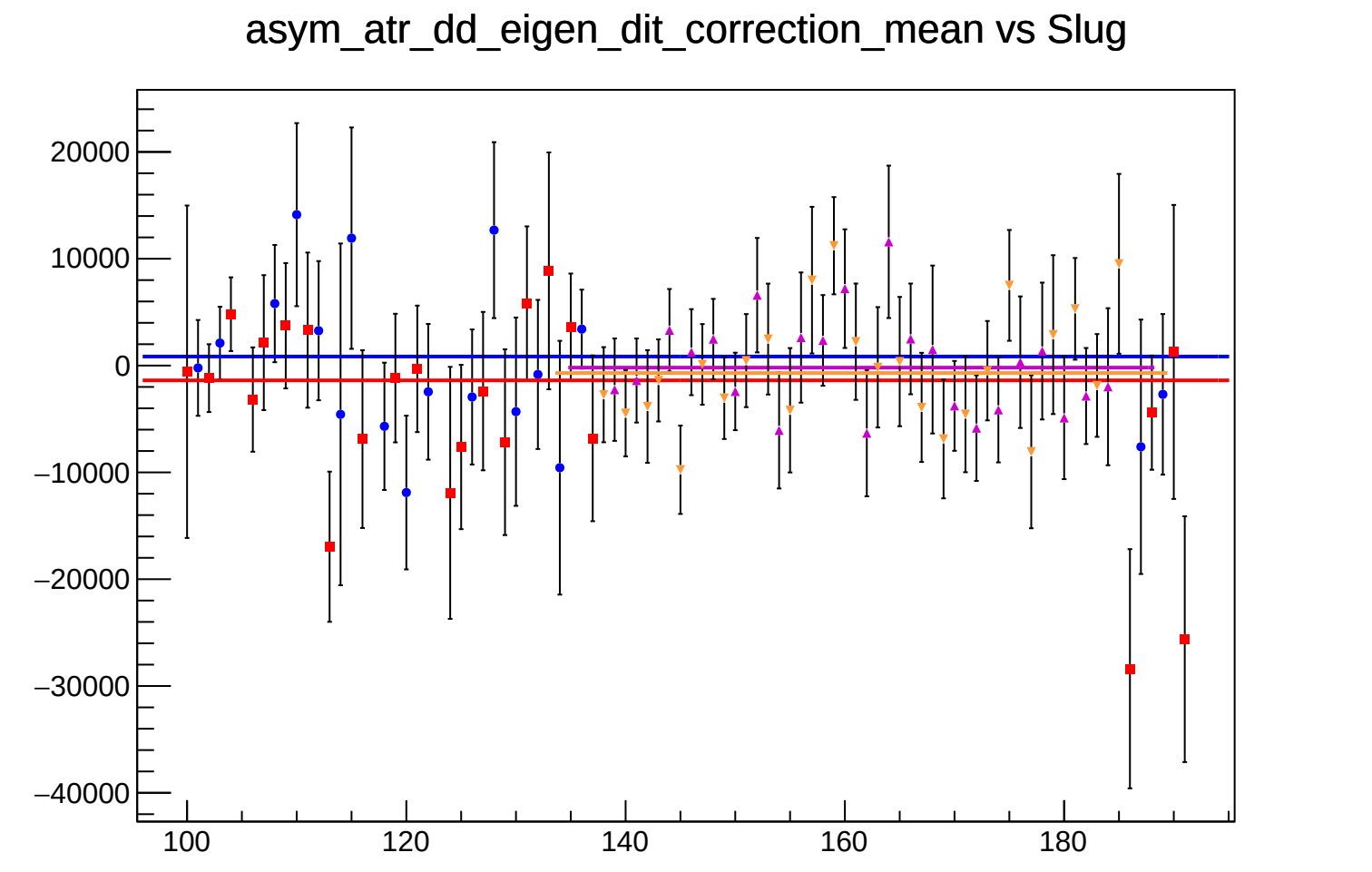
Right Out: 1918.264+/-0.456 χ^2/NDF: 377076.1/22

Left In: 1857.661+/-0.307 χ^2/NDF:16380.9/22

+ sign 1875.802+/-0.255 χ^2/NDF: 731134.4/42

All: 1876.184+/-0.180 χ^2/NDF: 1136767.1/88

- sign 1876.563+/-0.254 χ^2/NDF: 405628.2/45



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: -1385.310+/-1304.153 χ^2/NDF: 26.1/22

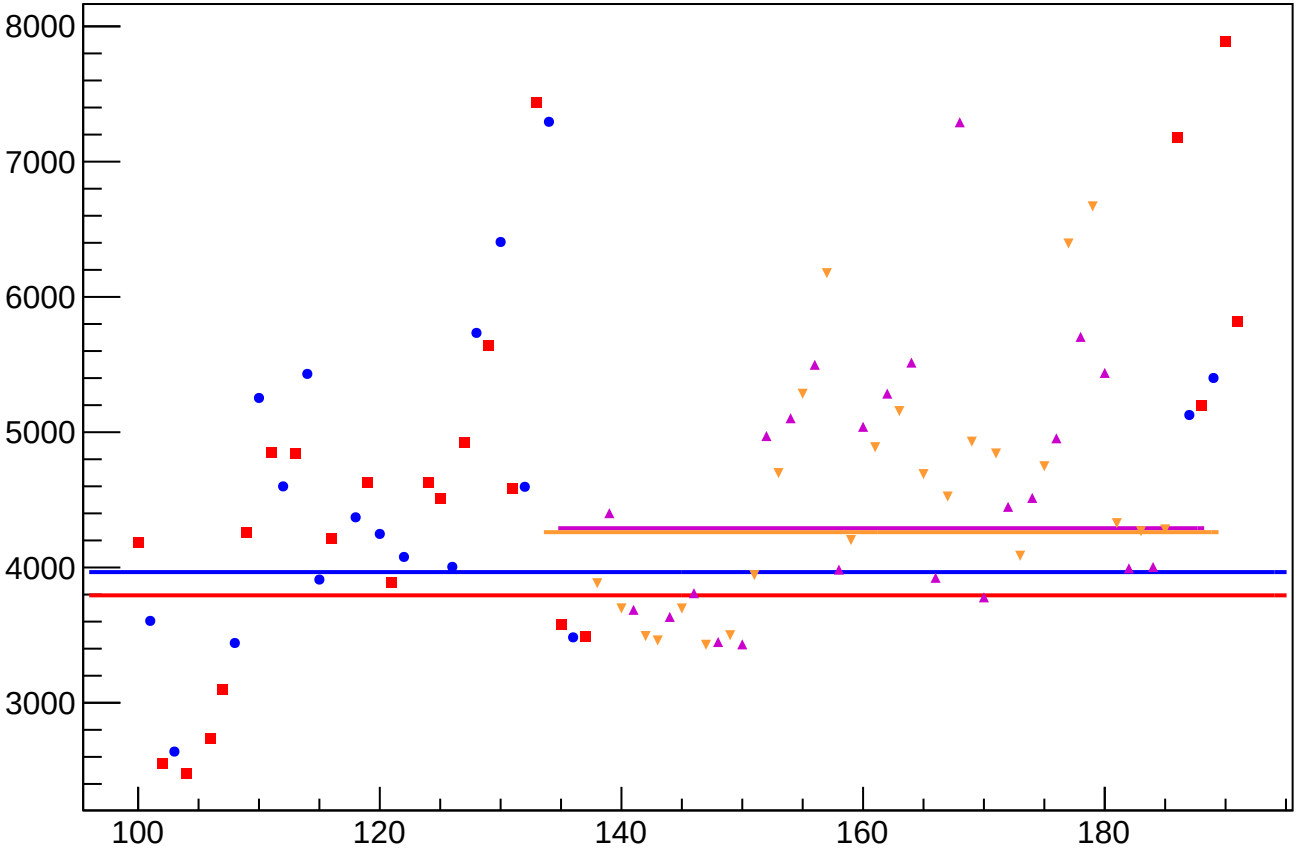
Left In: -192.488+/-1022.471 χ^2/NDF:15.2/22

+ sign -210.830+/-819.012 χ^2/NDF: 40.3/42

All: -432.554+/-573.985 χ^2/NDF: 82.2/88

- sign -646.571+/-804.653 χ^2/NDF: 41.8/45

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

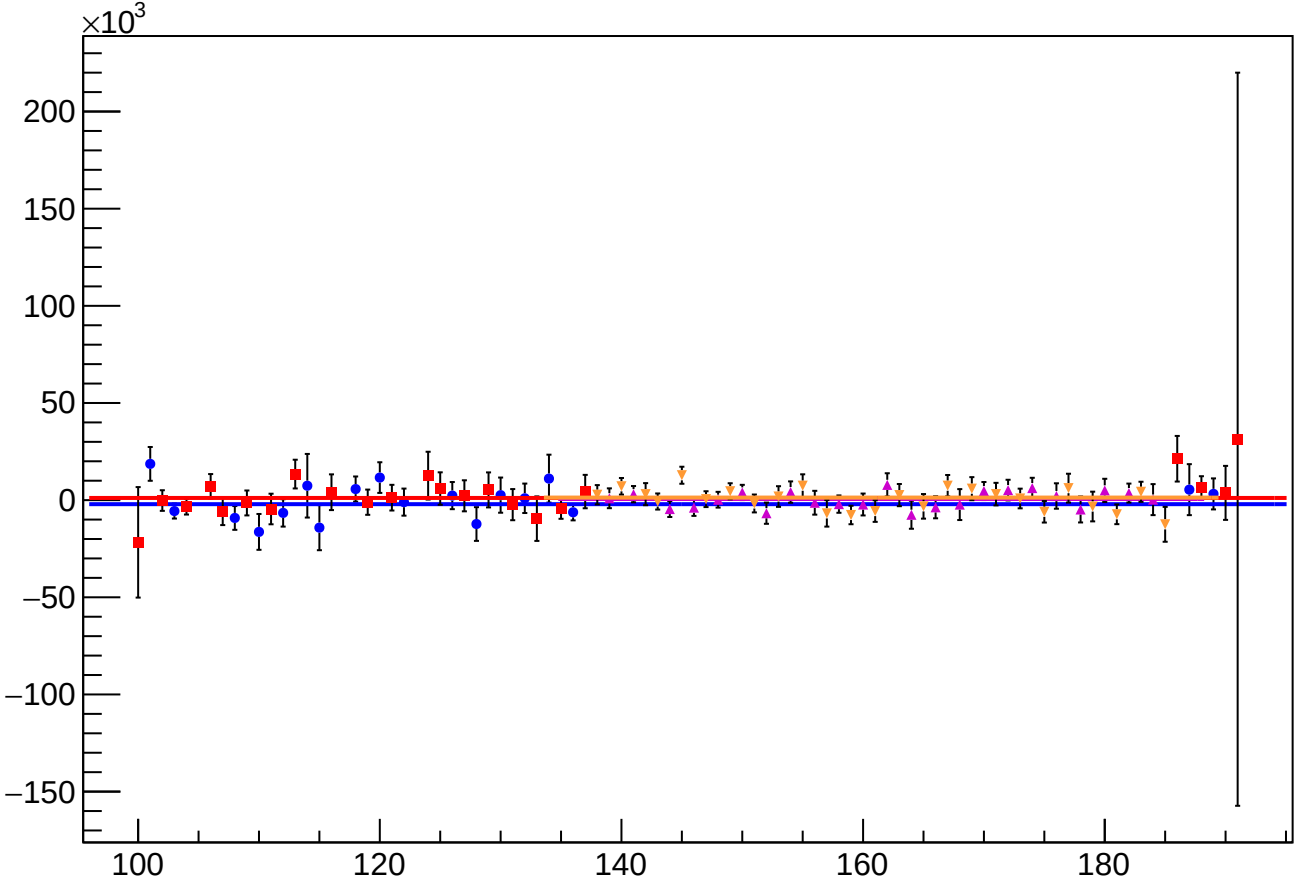
Right Out: 3794.137+/-0.922 χ^2/NDF: 1828896.5/22

Left In: 4290.404+/-0.723 χ^2/NDF:1213970.5/22

+ sign 4167.976+/-0.579 χ^2/NDF: 2221992.2/42

All: 4134.143+/-0.406 χ^2/NDF: 5450923.9/88

- sign 4101.485+/-0.569 χ^2/NDF: 3222224.4/45



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: 1127.151+/-1537.983 χ^2/NDF: 14.9/22

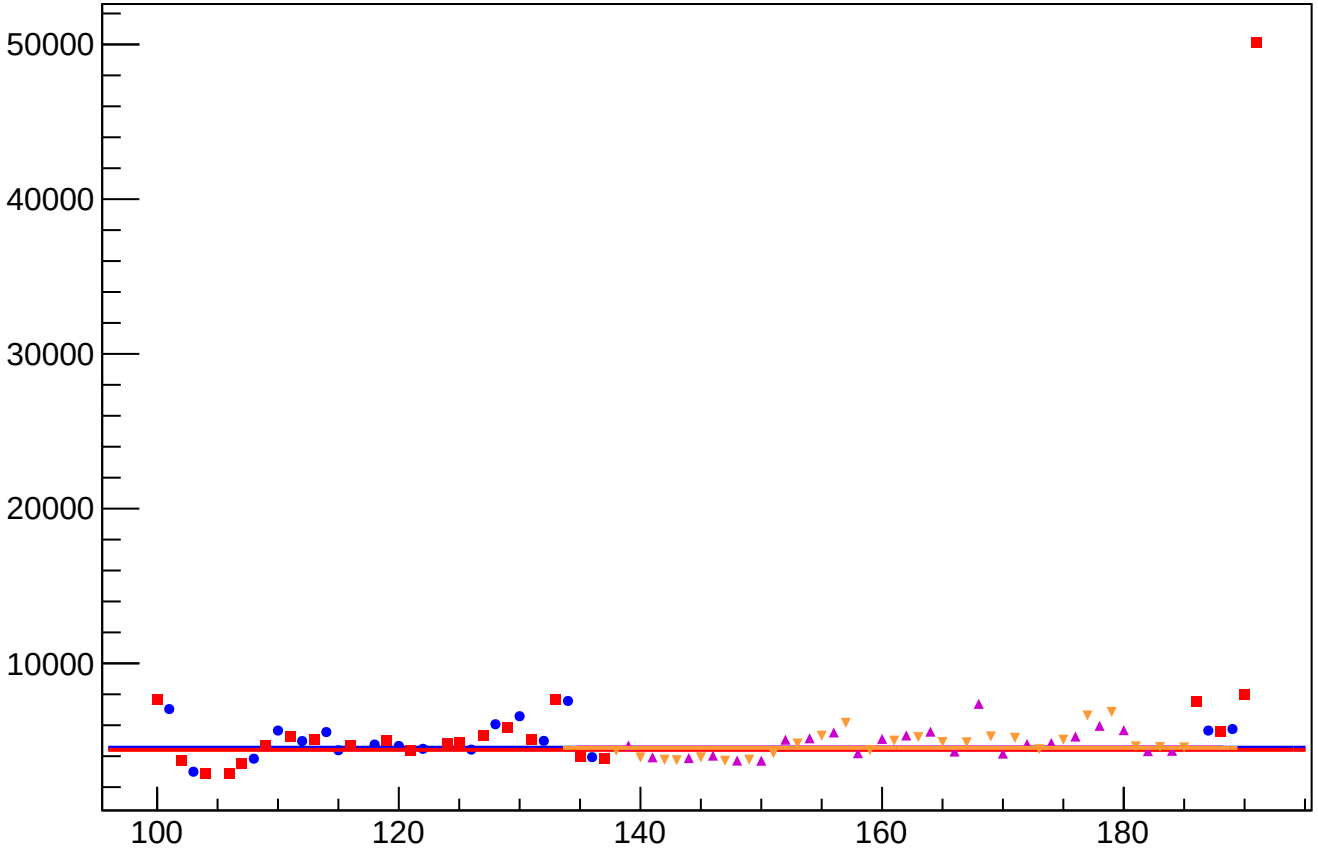
Left In: 576.442+/-1082.127 χ^2/NDF:14.4/22

+ sign 341.275+/-888.248 χ^2/NDF: 53.1/42

All: 550.798+/-626.939 χ^2/NDF: 82.6/88

- sign 758.797+/-885.013 χ^2/NDF: 29.4/45

asym_atr_dd_rms vs Slug



Right In: 4546.993+/-1.179 χ^2/NDF: 955511.1/17

Left Out: 4537.934+/-0.742 χ^2/NDF:992905.4/24

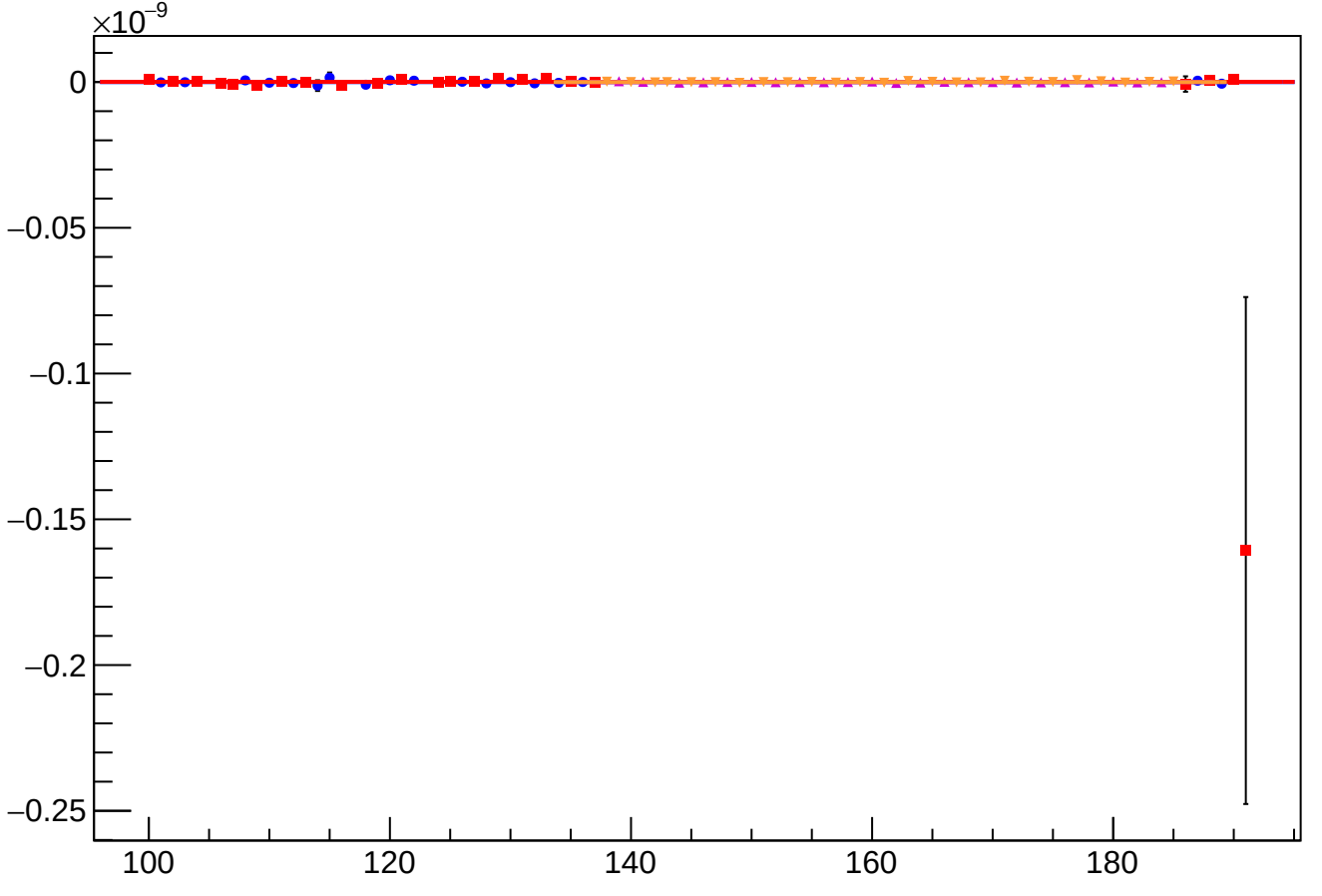
Right Out: 4409.597+/-1.080 χ^2/NDF: 1362480.3/22

Left In: 4560.506+/-0.765 χ^2/NDF:980201.3/22

+ sign 4540.505+/-0.628 χ^2/NDF: 1948458.8/42

All: 4525.180+/-0.443 χ^2/NDF: 4305330.5/88

- sign 4510.042+/-0.624 χ^2/NDF: 2355688.4/45



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: 27.2/22

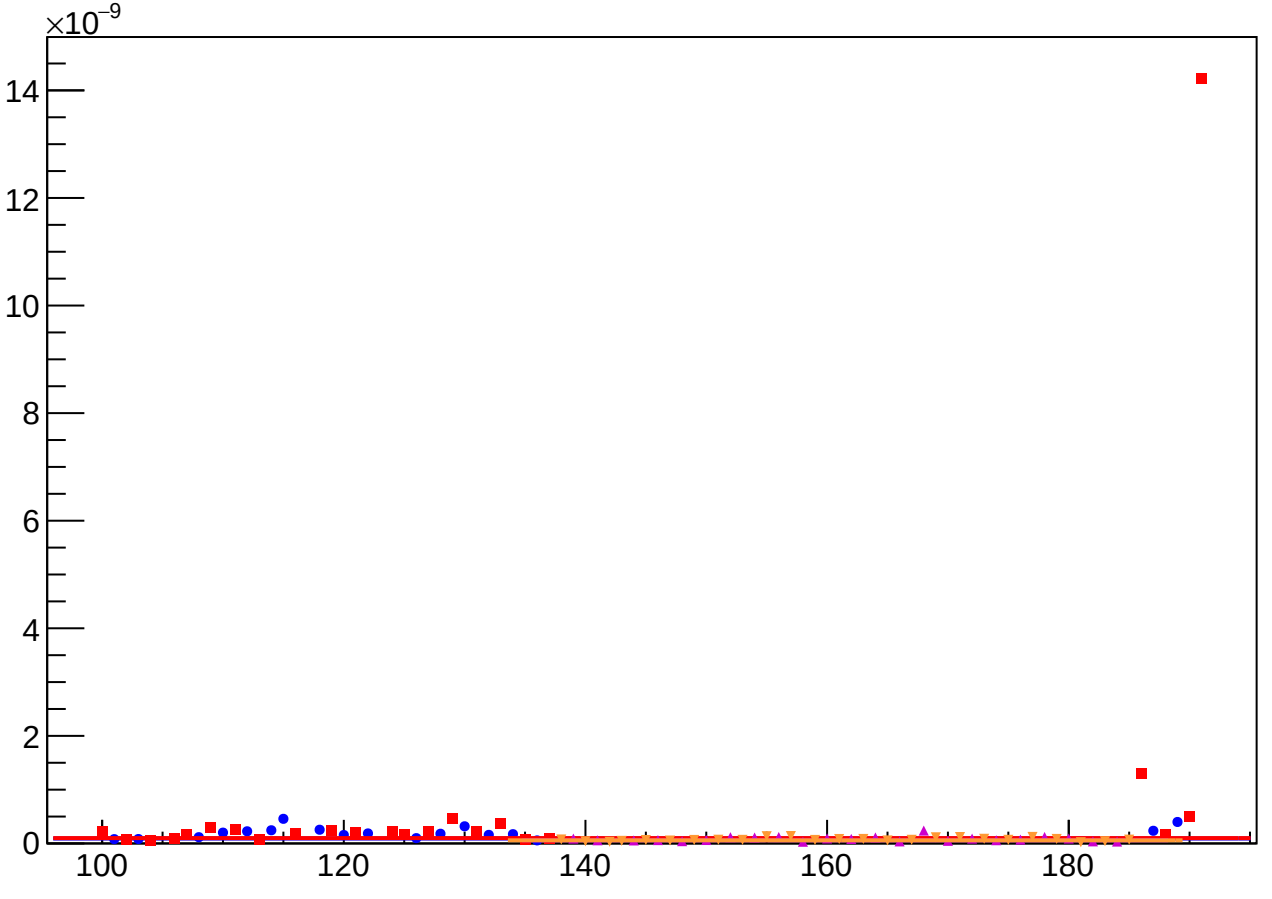
Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 51.5/42

All: -0.000+/-0.000 χ^2/NDF: 101.2/88

- sign -0.000+/-0.000 χ^2/NDF: 49.1/45

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: 2498312.3/22

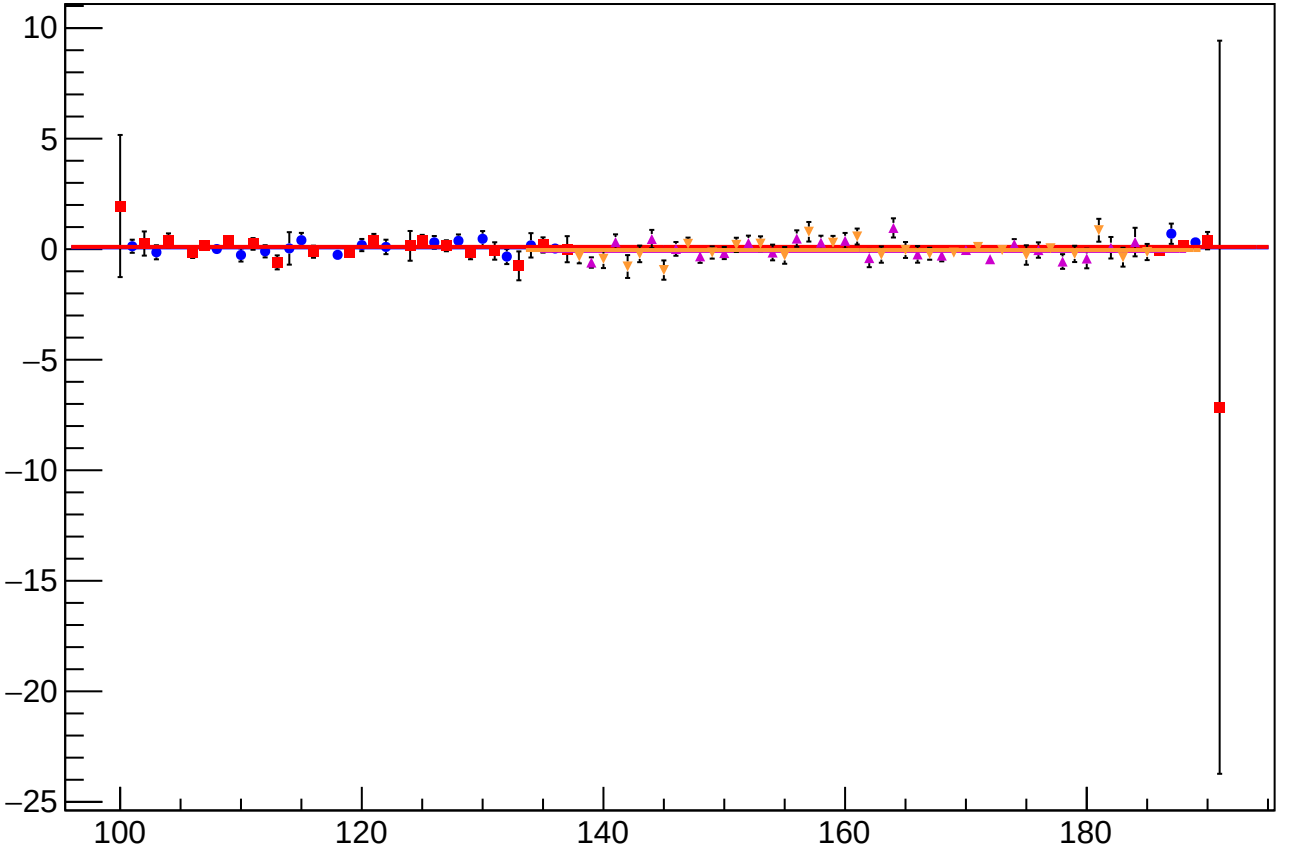
Left In: 0.000+/-0.000 χ^2/NDF:2104577.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 4015887.6/42

All: 0.000+/-0.000 χ^2/NDF: 9266881.9/88

- sign 0.000+/-0.000 χ^2/NDF: 5247438.2/45

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: 0.104+/-0.058 χ^2/NDF: 19.4/22

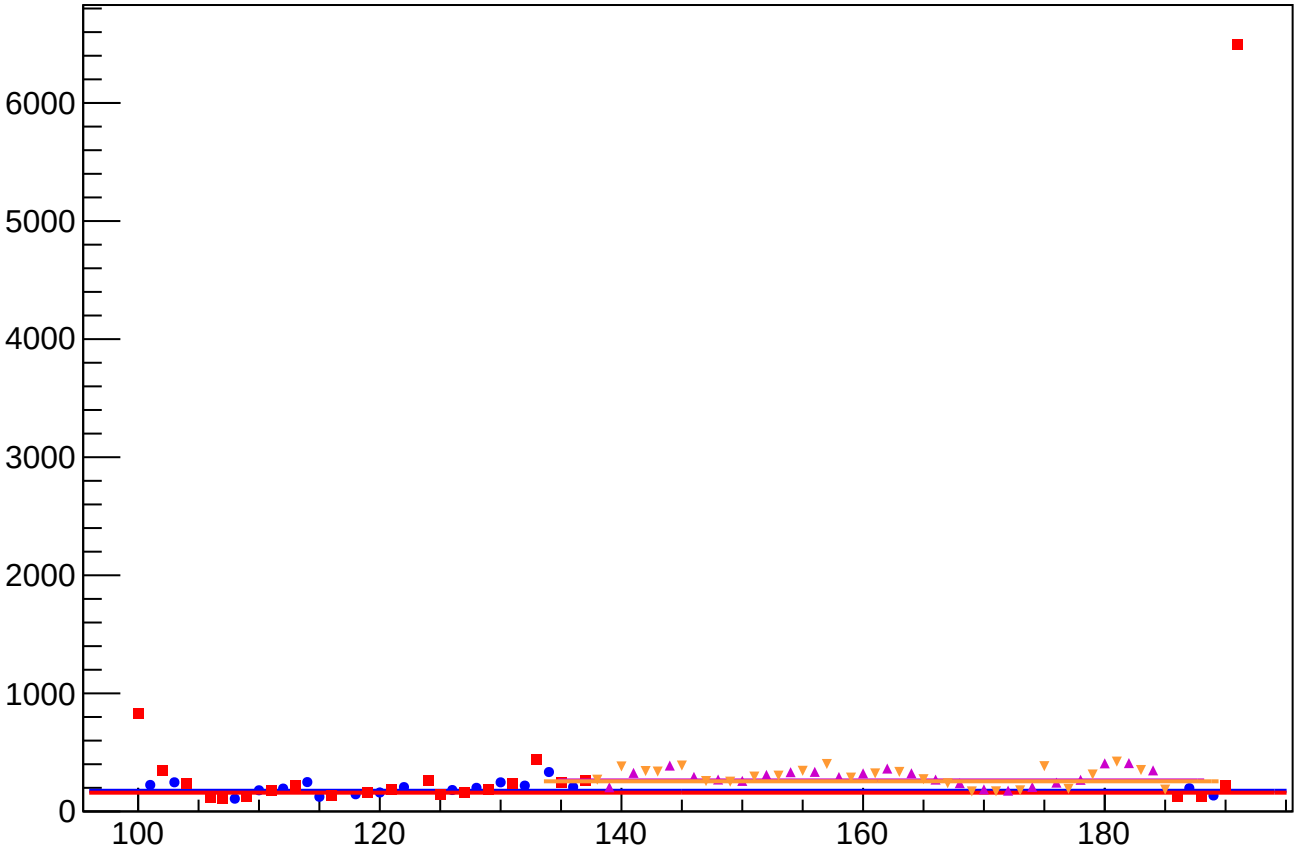
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.018+/-0.045 χ^2/NDF: 40.3/42

All: 0.021+/-0.031 χ^2/NDF: 95.1/88

- sign 0.024+/-0.043 χ^2/NDF: 54.8/45

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: 159.026+/-0.041 χ^2/NDF: 1942644.0/22

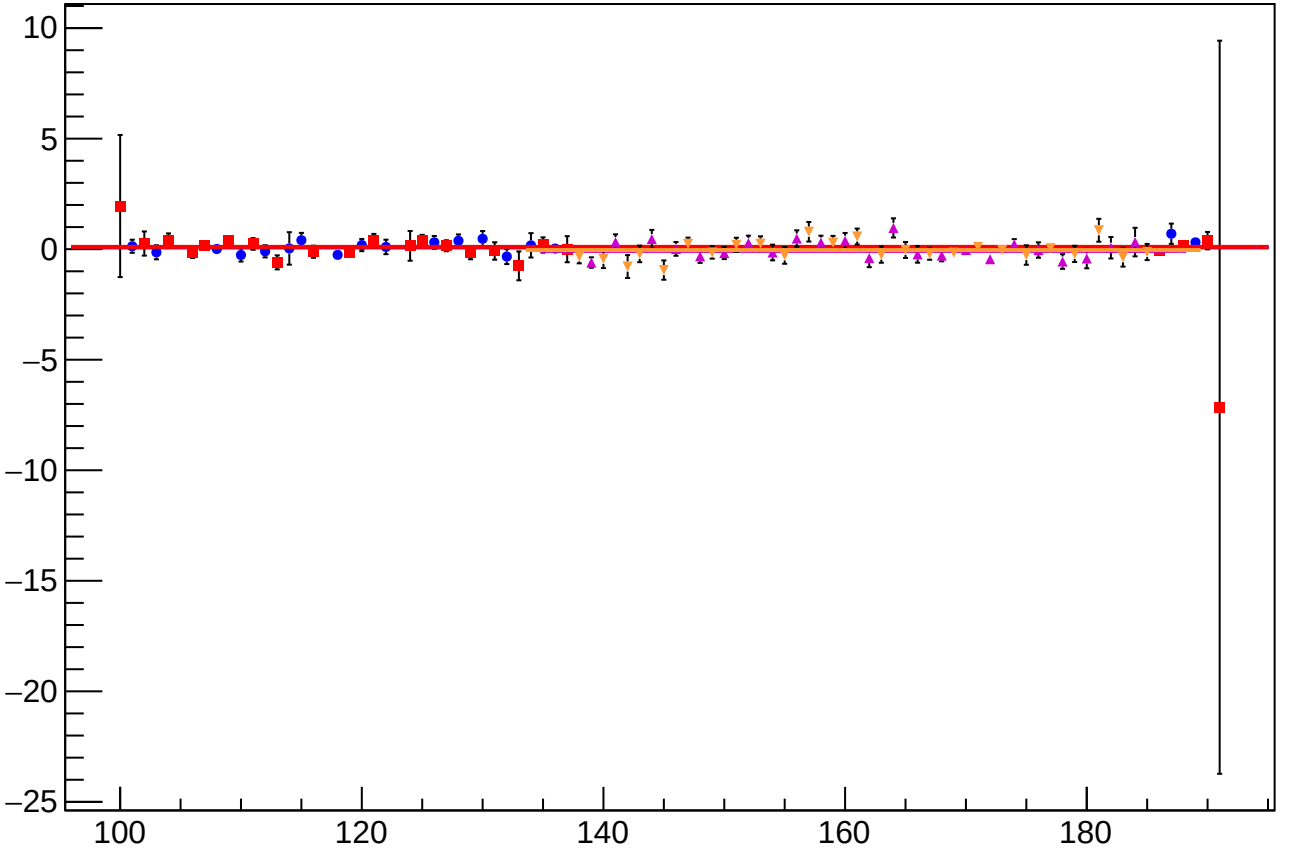
Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 217.591+/-0.032 χ^2/NDF: 5532013.0/42

All: 210.847+/-0.022 χ^2/NDF: 12449352.6/88

- sign 204.692+/-0.030 χ^2/NDF: 6831642.9/45

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: 0.104+/-0.058 χ^2/NDF: 19.4/22

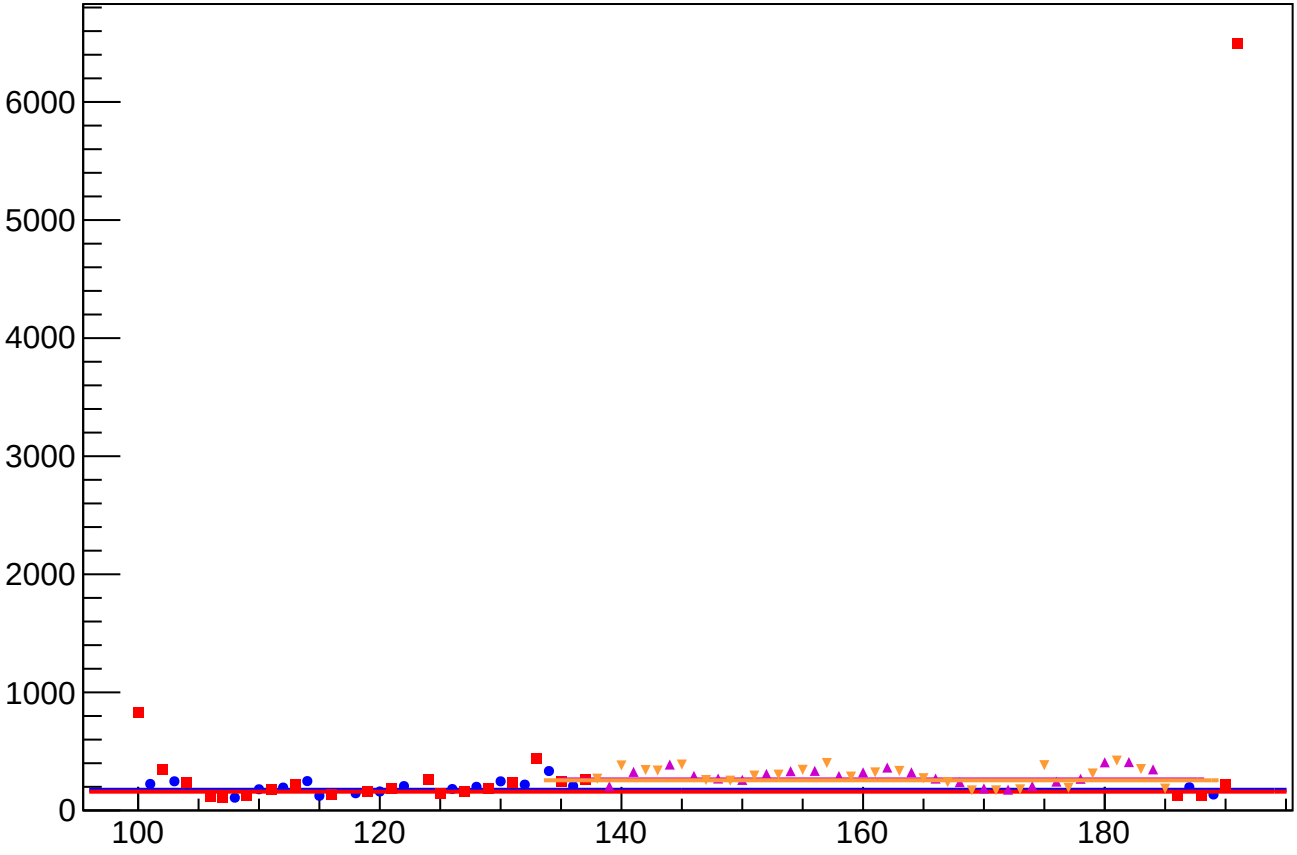
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.018+/-0.045 χ^2/NDF: 40.3/42

All: 0.021+/-0.031 χ^2/NDF: 95.1/88

- sign 0.024+/-0.043 χ^2/NDF: 54.8/45

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: 159.026+/-0.041 χ^2/NDF: 1942644.0/22

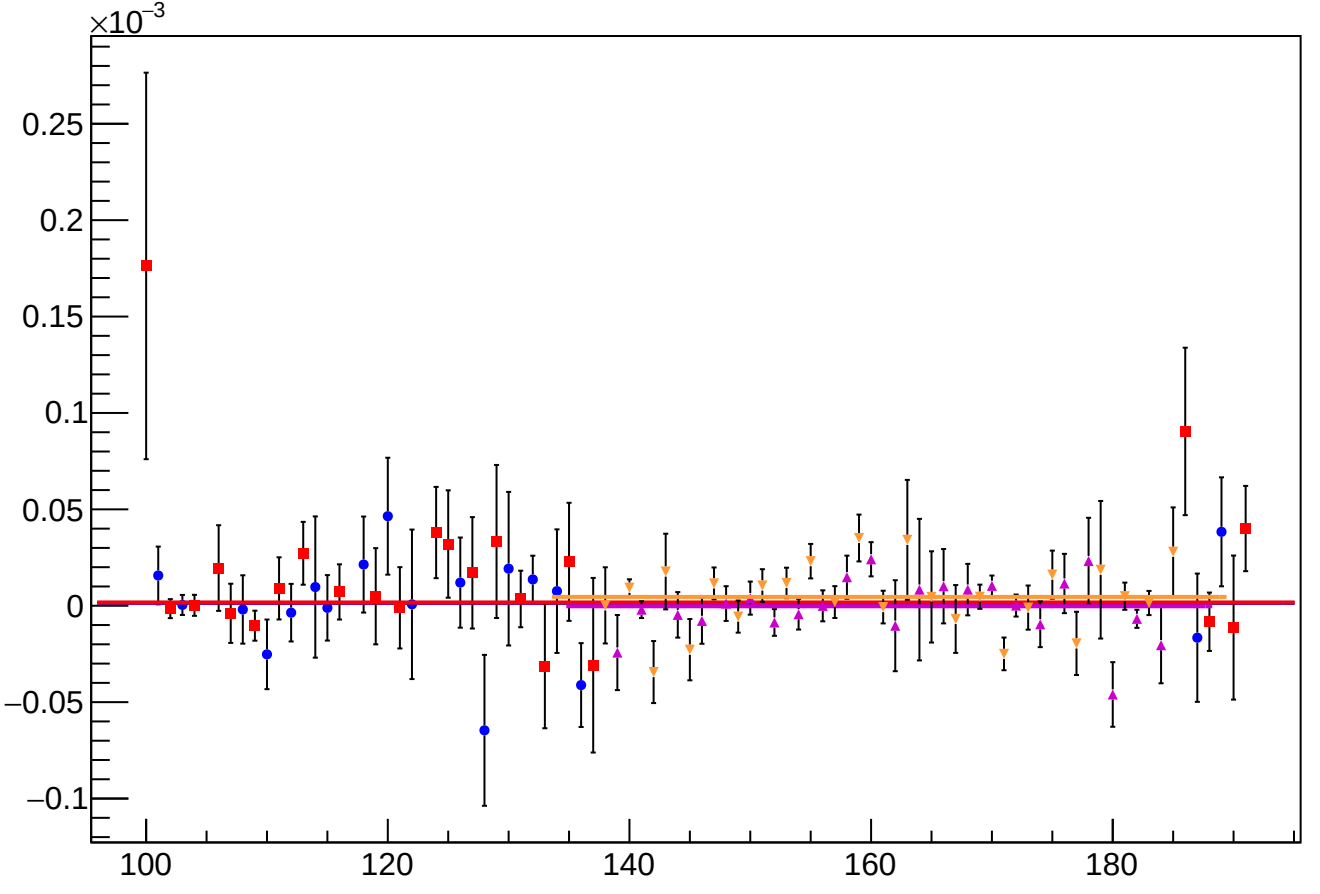
Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 217.591+/-0.032 χ^2/NDF: 5532013.0/42

All: 210.847+/-0.022 χ^2/NDF: 12449352.6/88

- sign 204.692+/-0.030 χ^2/NDF: 6831642.9/45

asym_atr_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 16.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

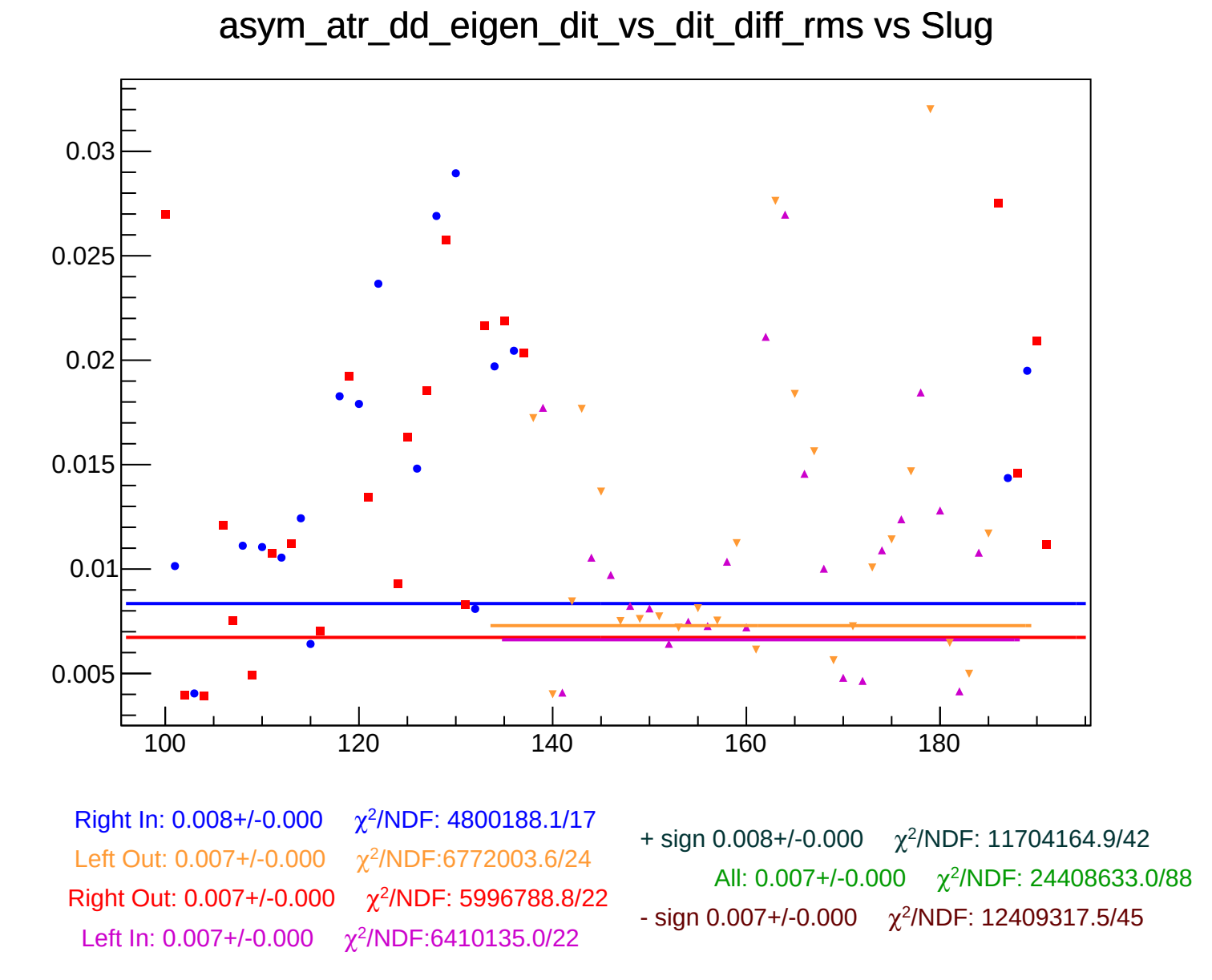
Right Out: 0.000+/-0.000 χ^2/NDF: 23.8/22

Left In: -0.000+/-0.000 χ^2/NDF:31.2/22

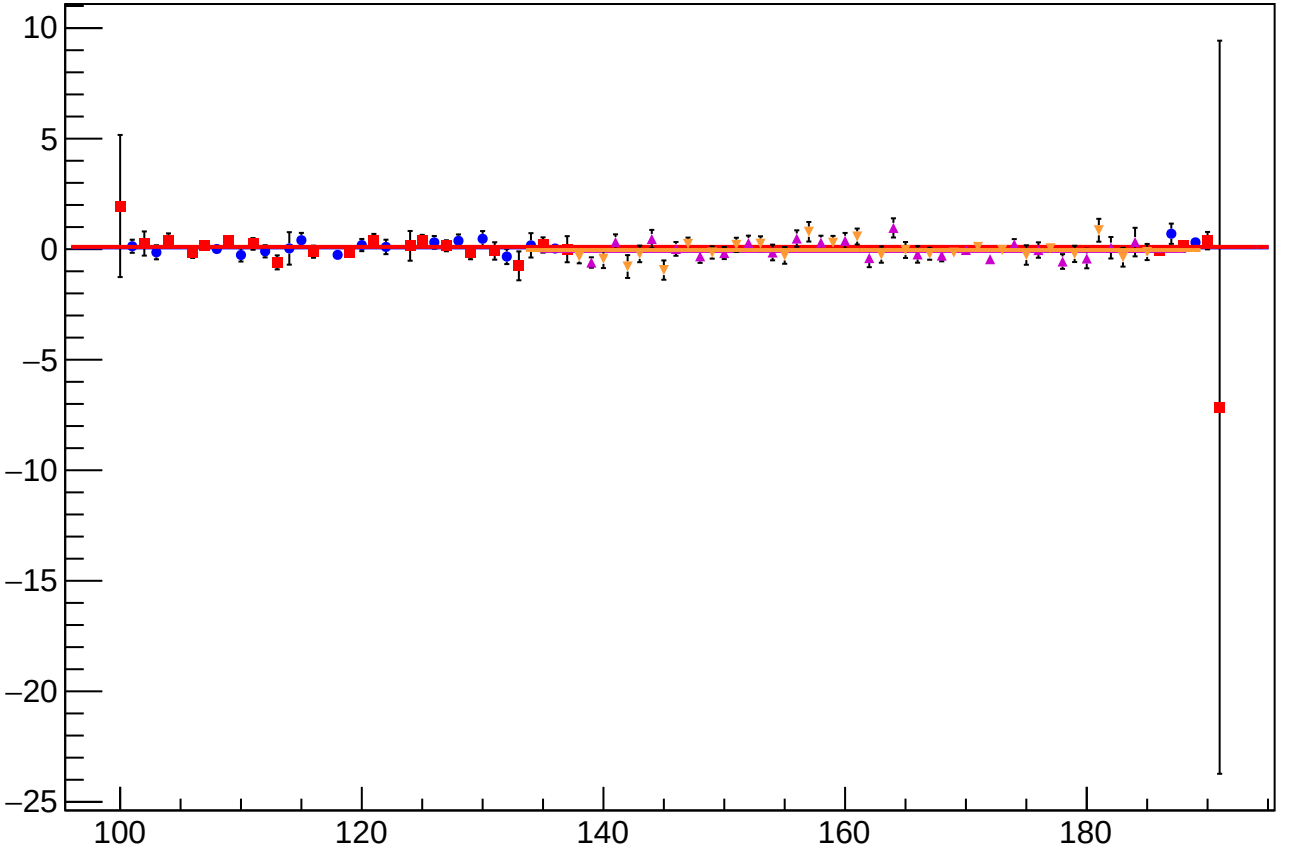
+ sign 0.000+/-0.000 χ^2/NDF: 60.2/42

All: 0.000+/-0.000 χ^2/NDF: 118.2/88

- sign 0.000+/-0.000 χ^2/NDF: 55.4/45


asym_atr_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
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: 5996788.8/22
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: 24408633.0/88
- sign 0.007+/-0.000 χ²/NDF: 12409317.5/45

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: 0.104+/-0.058 χ^2/NDF: 19.4/22

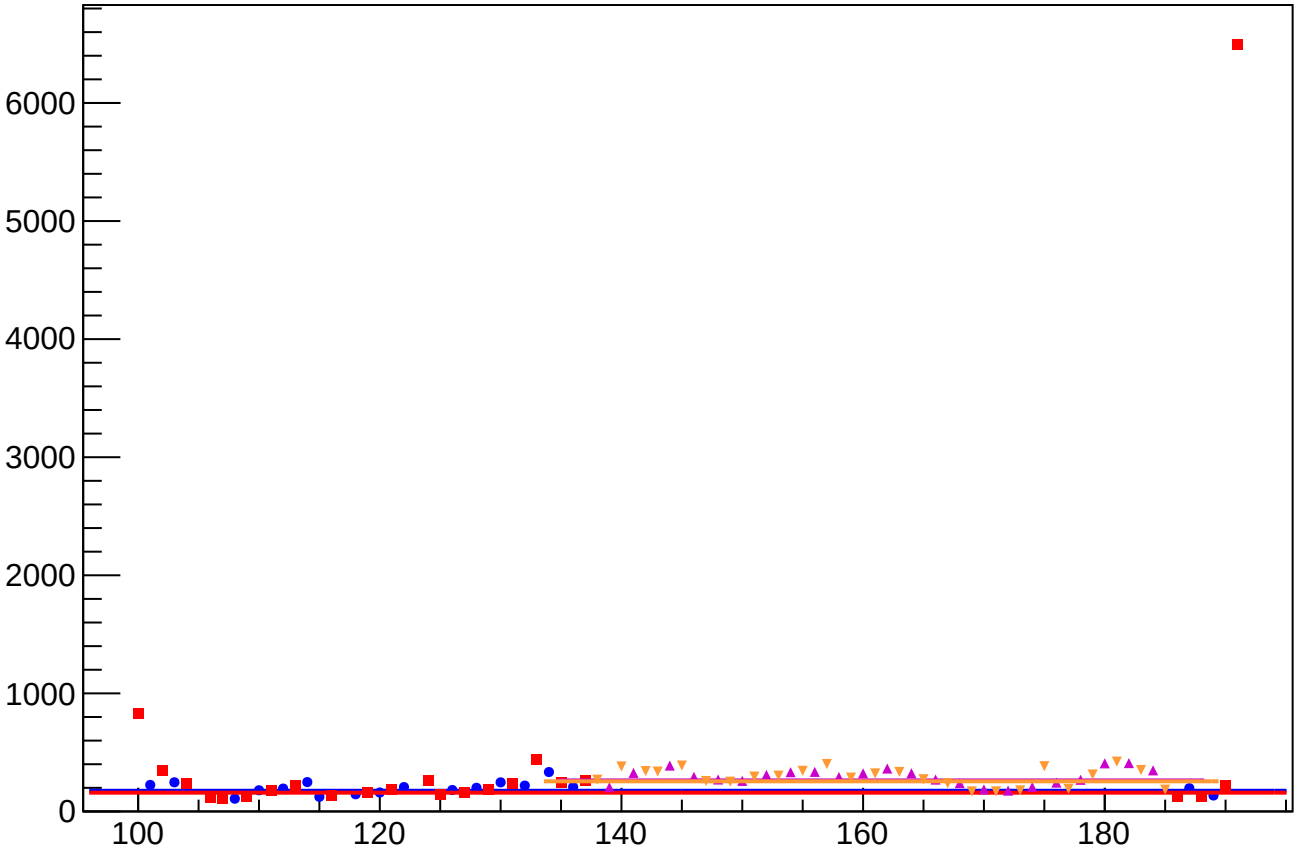
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.018+/-0.045 χ^2/NDF: 40.3/42

All: 0.021+/-0.031 χ^2/NDF: 95.1/88

- sign 0.024+/-0.043 χ^2/NDF: 54.8/45

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

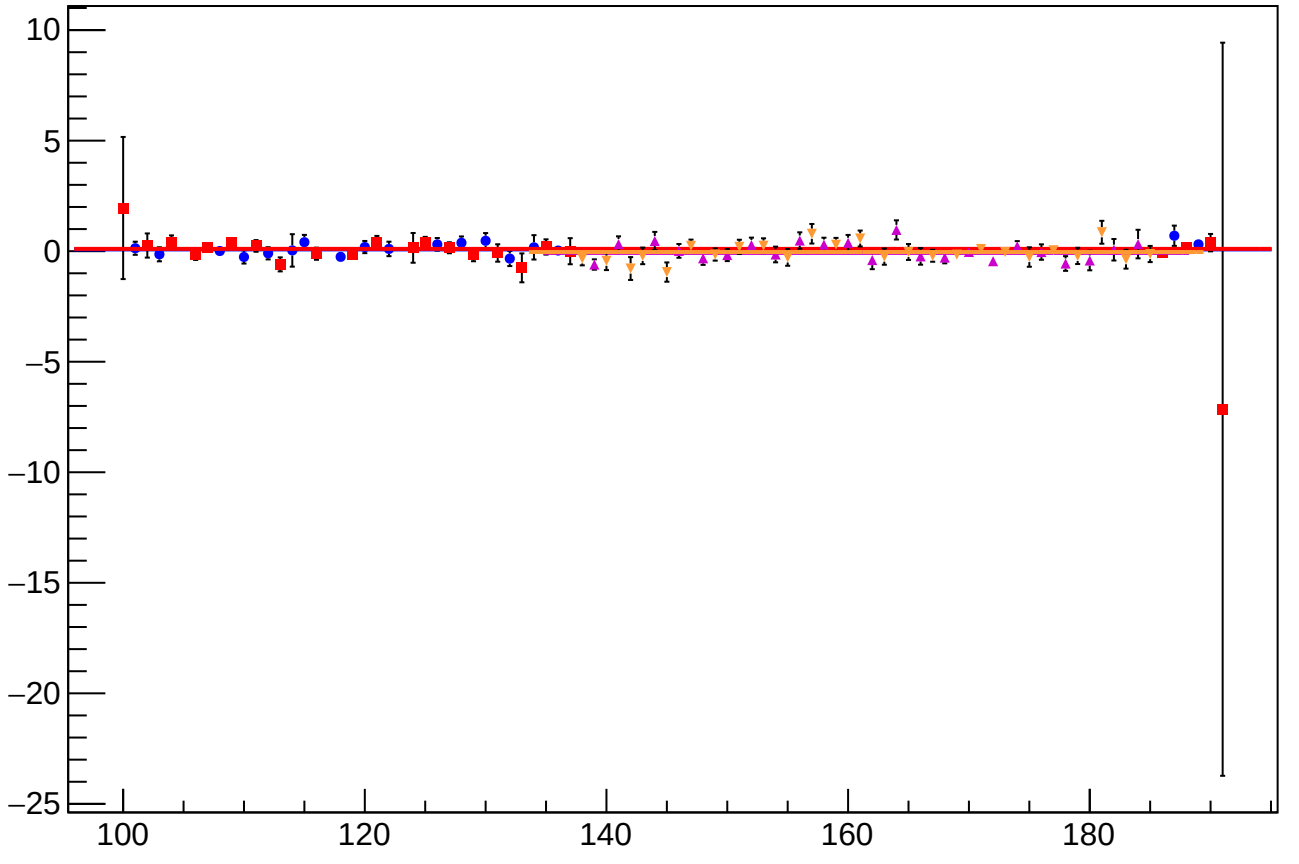
Right Out: 159.027+/-0.041 χ^2/NDF: 1942577.5/22

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 217.591+/-0.032 χ^2/NDF: 5532178.5/42

All: 210.848+/-0.022 χ^2/NDF: 12449493.2/88

- sign 204.694+/-0.030 χ^2/NDF: 6831635.6/45



Right In: 0.080+/-0.066 χ^2/NDF: 14.1/17

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

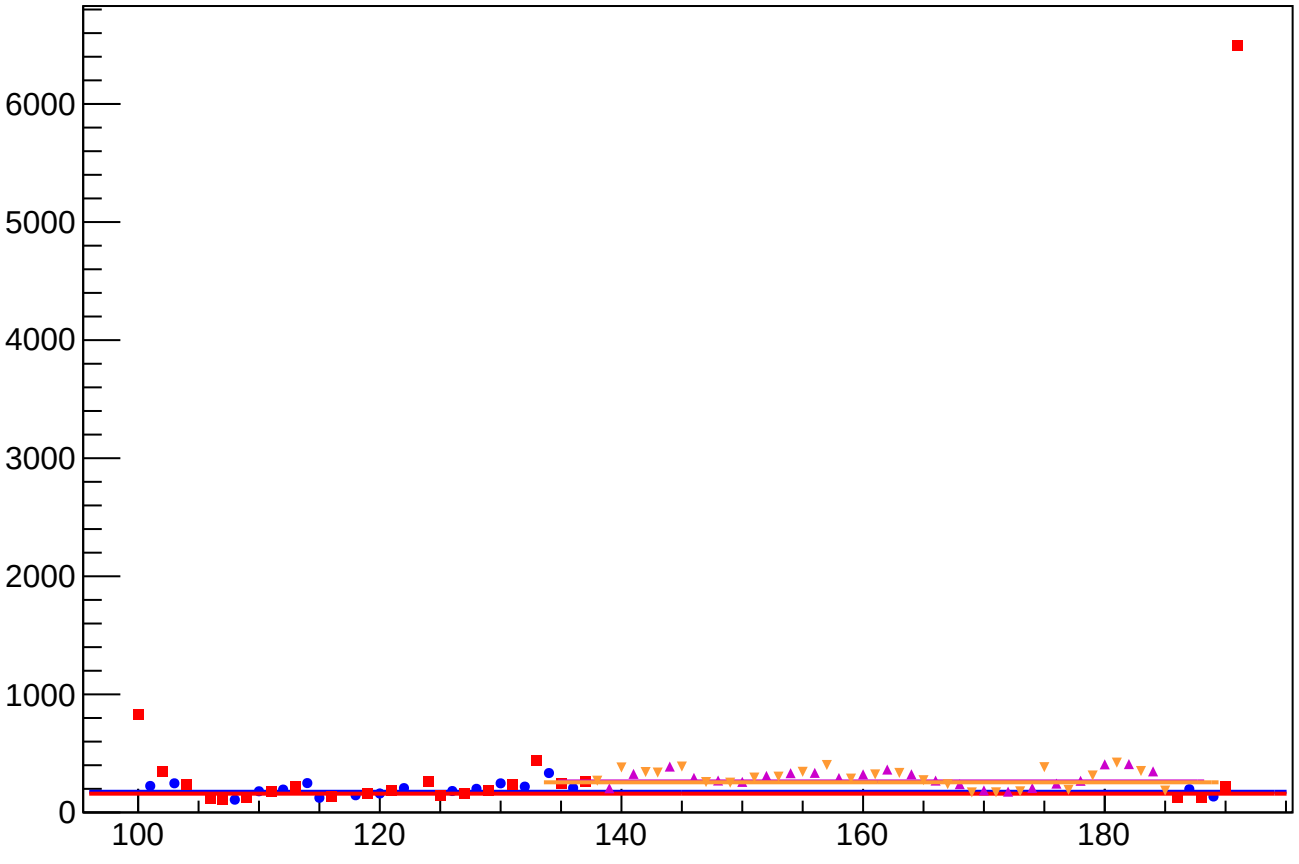
Right Out: 0.104+/-0.058 χ^2/NDF: 19.4/22

Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.018+/-0.045 χ^2/NDF: 40.3/42

All: 0.021+/-0.031 χ^2/NDF: 95.1/88

- sign 0.024+/-0.043 χ^2/NDF: 54.8/45



Right In: 175.092+/-0.046 χ^2/NDF: 1015699.2/17

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

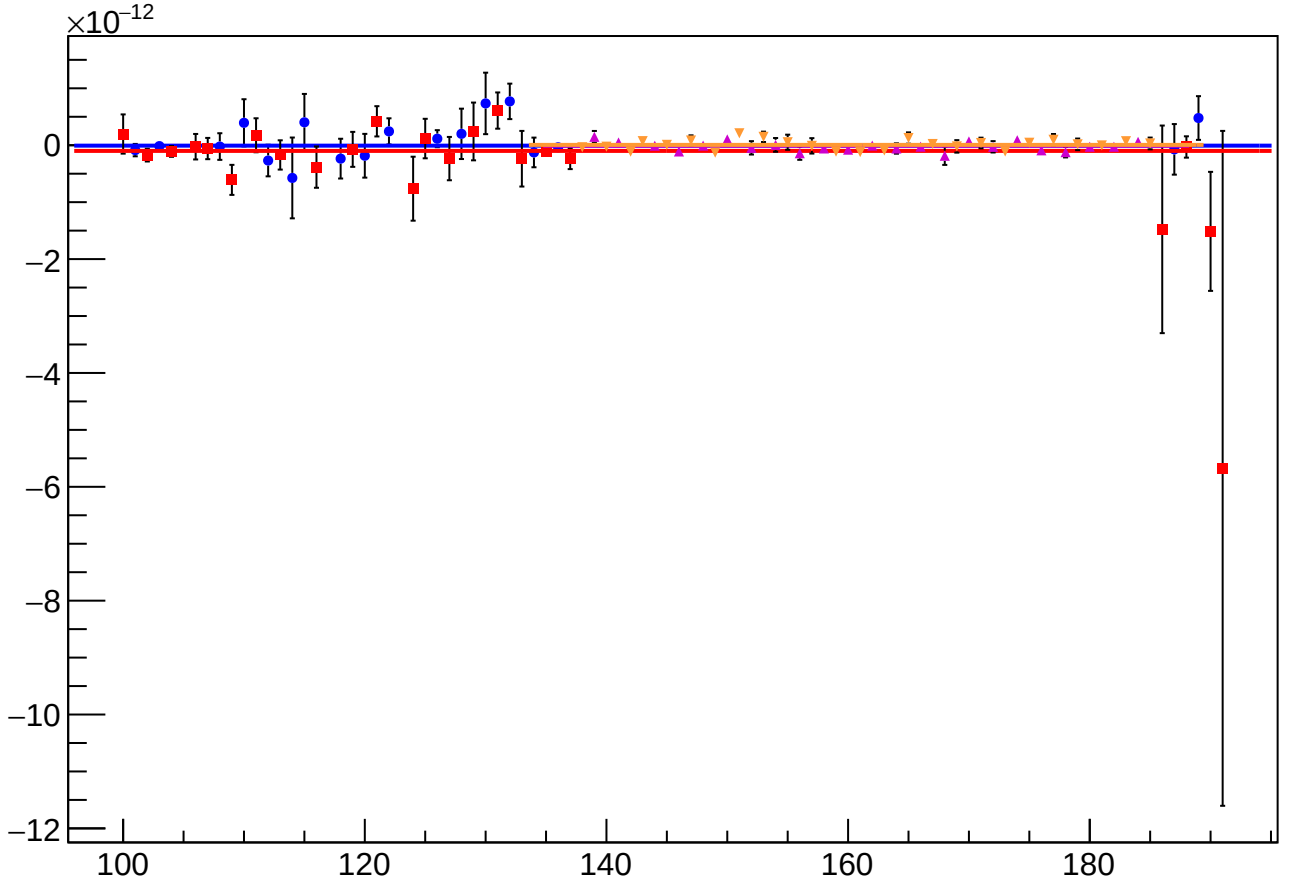
Right Out: 159.027+/-0.041 χ^2/NDF: 1942577.5/22

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 217.591+/-0.032 χ^2/NDF: 5532178.5/42

All: 210.848+/-0.022 χ^2/NDF: 12449493.2/88

- sign 204.694+/-0.030 χ^2/NDF: 6831635.6/45



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: 21.8/22

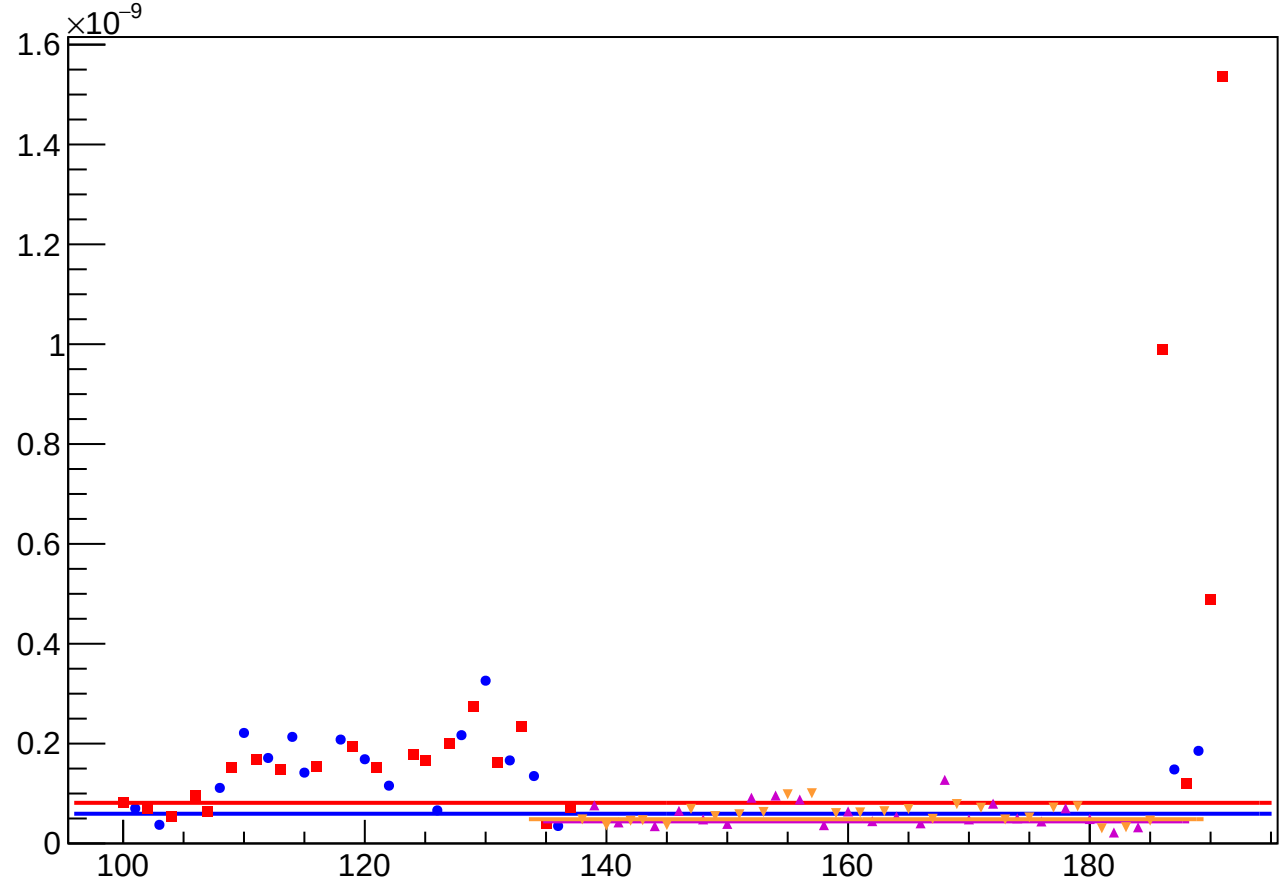
Left In: -0.000+/-0.000 χ^2/NDF:21.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 47.3/42

All: -0.000+/-0.000 χ^2/NDF: 96.2/88

- sign -0.000+/-0.000 χ^2/NDF: 47.5/45

asym_atr_dd_eigen_cor_vs_cor_diff_rms vs Slug



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: 3751520.8/22

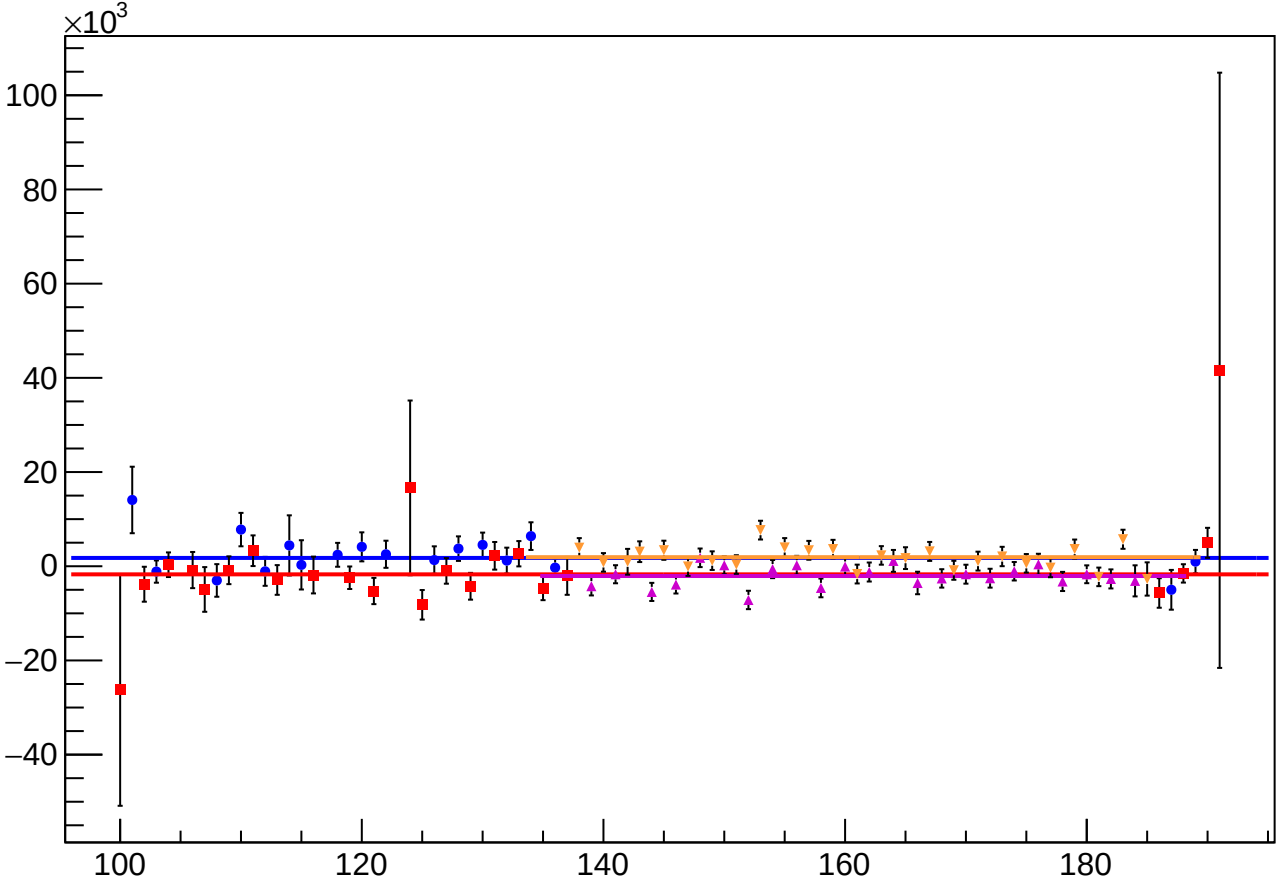
Left In: 0.000+/-0.000 χ^2/NDF:3624474.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 6283911.2/42

All: 0.000+/-0.000 χ^2/NDF: 15158759.1/88

- sign 0.000+/-0.000 χ^2/NDF: 8848589.0/45

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: -1721.231+/-658.513 χ^2/NDF: 25.0/22

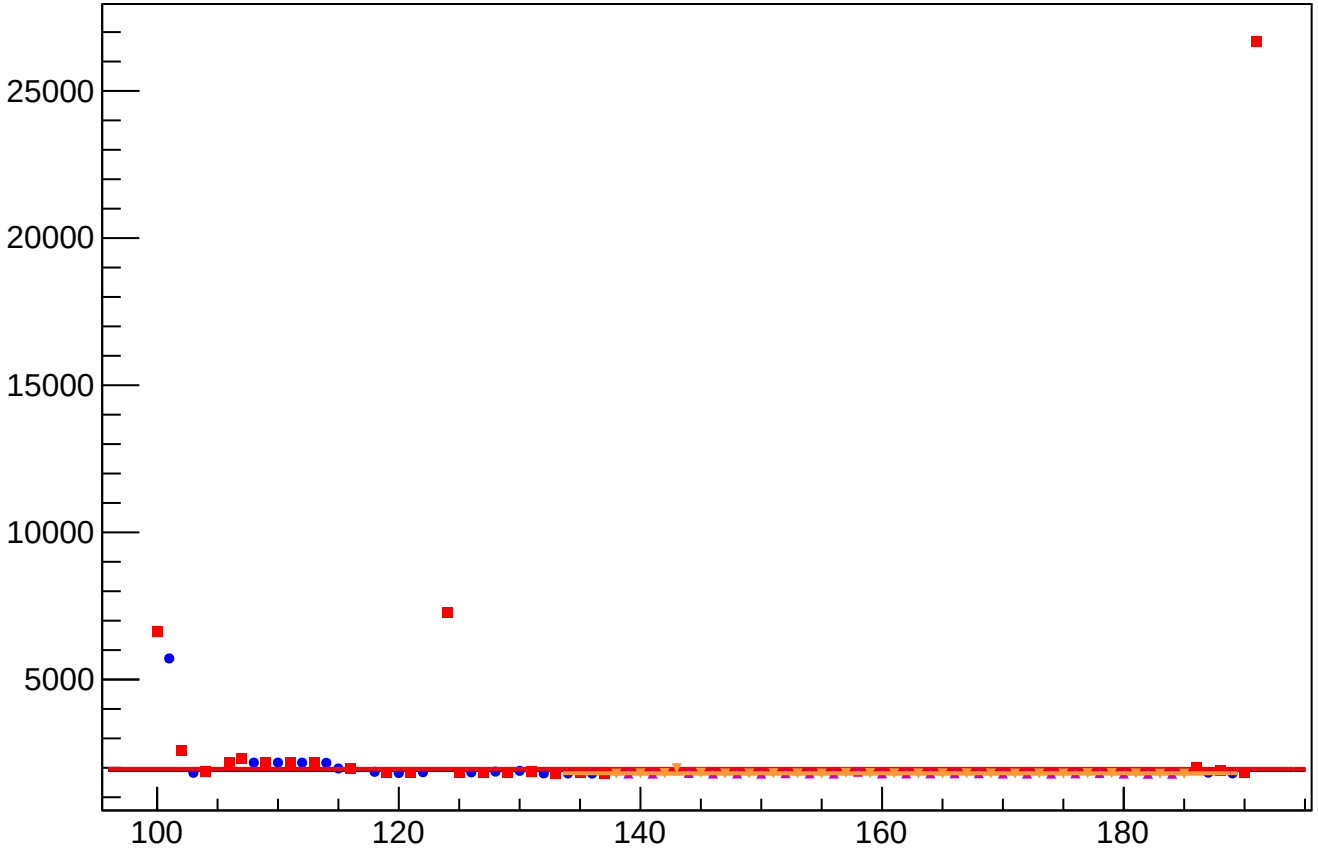
Left In: -2074.205+/-423.203 χ^2/NDF:26.5/22

+ sign 1880.107+/-355.155 χ^2/NDF: 51.8/42

All: -40.779+/-251.438 χ^2/NDF: 162.2/88

- sign -1971.033+/-356.020 χ^2/NDF: 51.8/45

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: 1964.178+/-0.466 χ^2/NDF: 692049.1/22

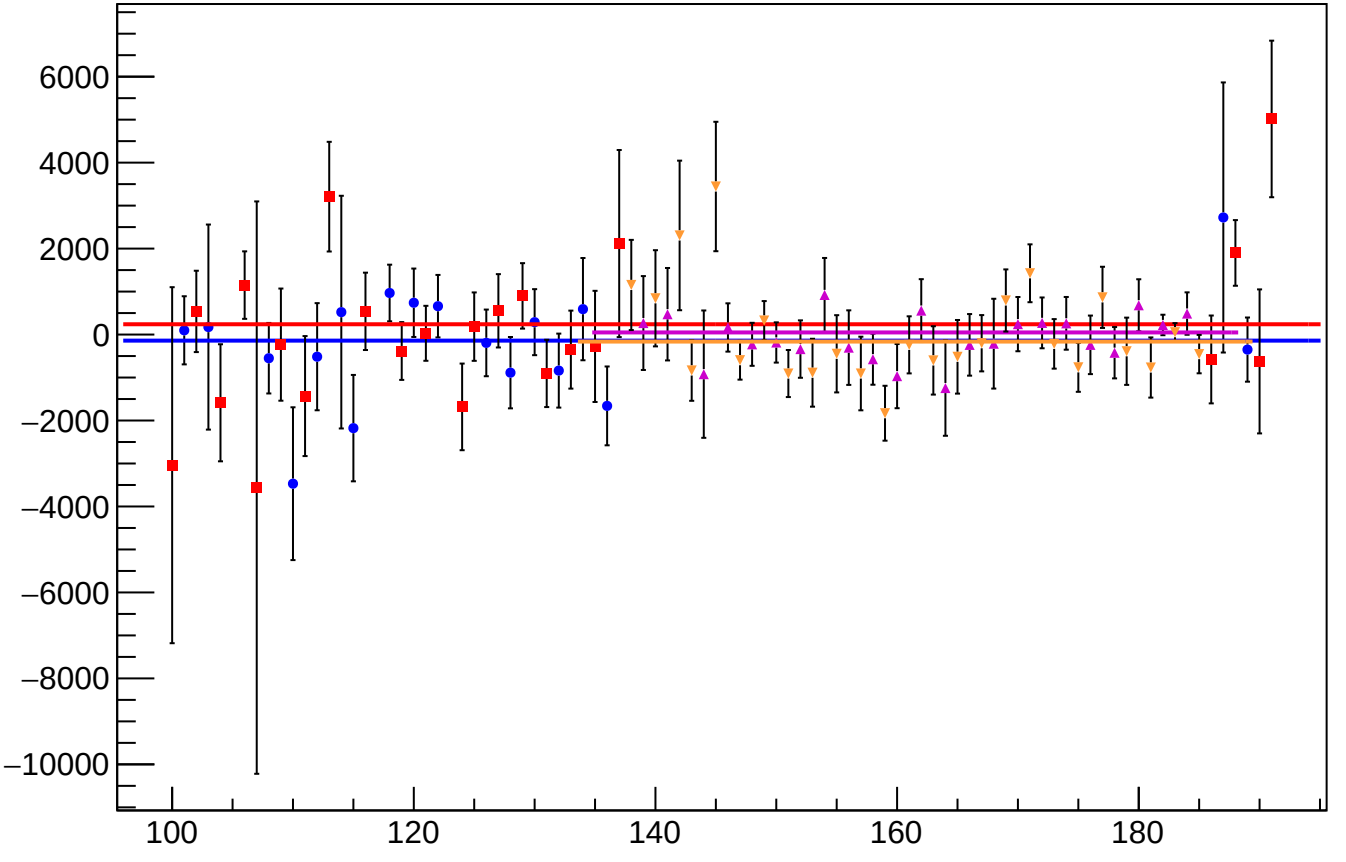
Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1845.388+/-0.251 χ^2/NDF: 691680.4/42

All: 1851.113+/-0.178 χ^2/NDF: 1461833.6/88

- sign 1856.867+/-0.252 χ^2/NDF: 769111.0/45

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: 239.663+/-205.776 χ^2/NDF: 32.8/22

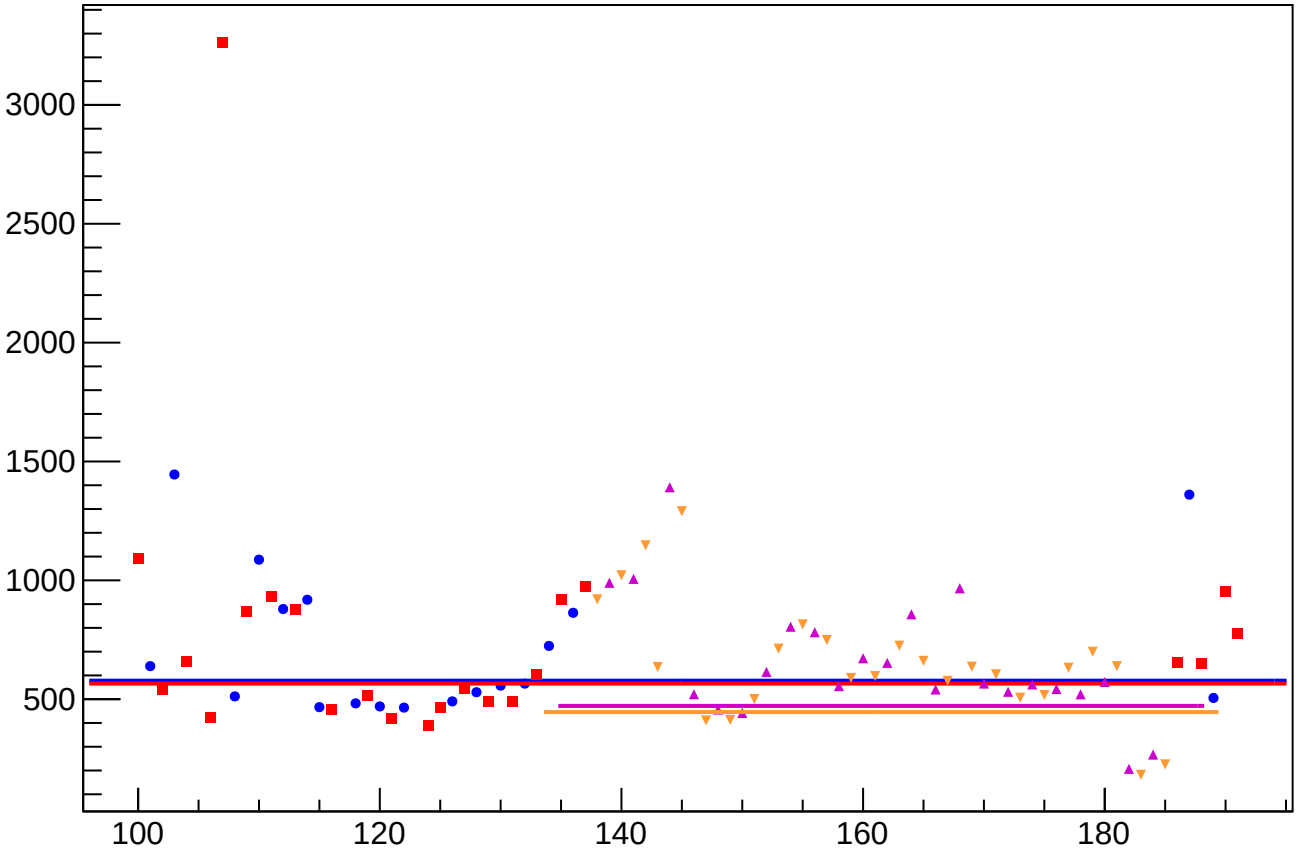
Left In: 49.290+/-122.691 χ^2/NDF:11.3/22

+ sign -158.272+/-102.085 χ^2/NDF: 54.6/42

All: -33.617+/-73.323 χ^2/NDF: 102.5/88

- sign 99.218+/-105.381 χ^2/NDF: 44.7/45

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: 565.724+/-0.146 χ^2/NDF: 1479223.2/22

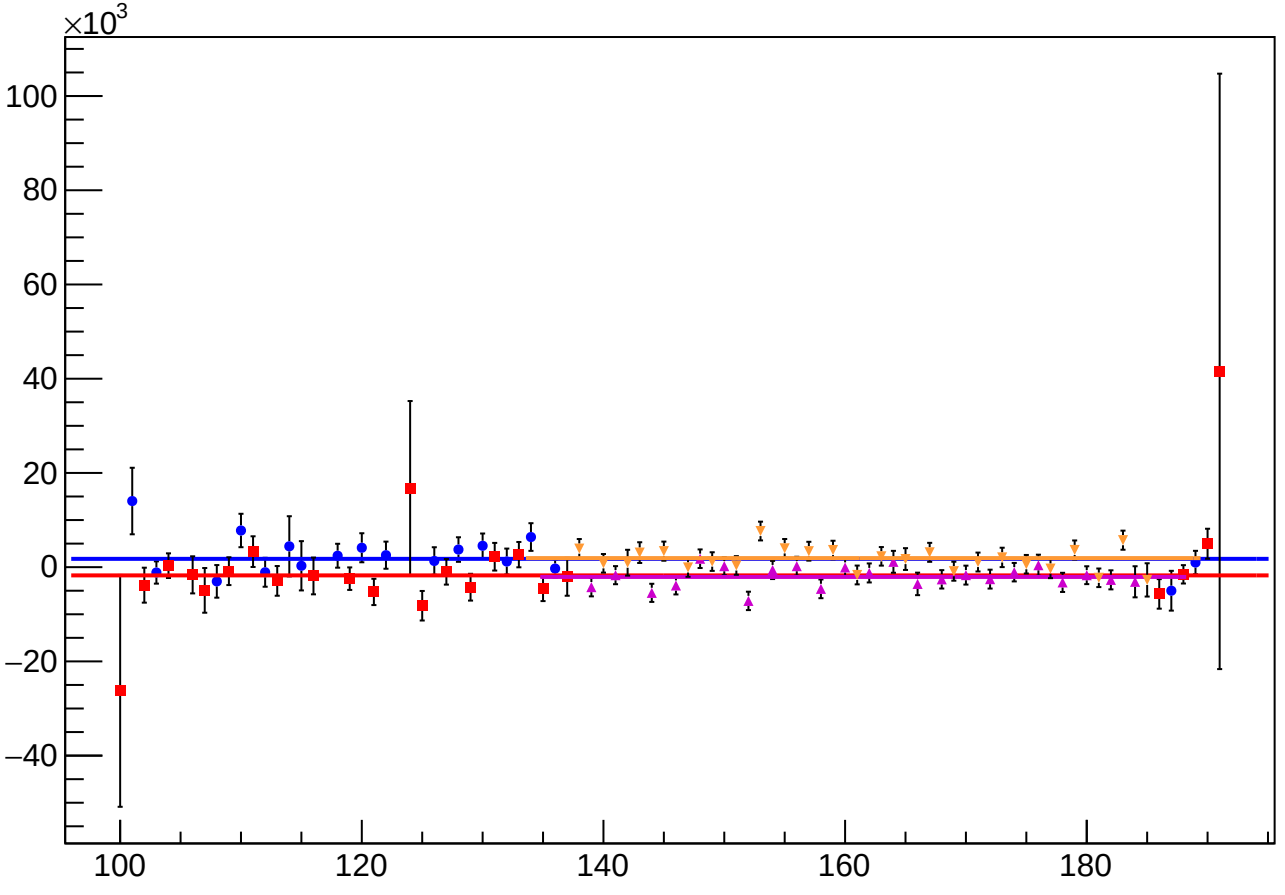
Left In: 471.746+/-0.087 χ^2/NDF:6413905.5/22

+ sign 474.410+/-0.072 χ^2/NDF: 9695544.2/42

All: 485.052+/-0.052 χ^2/NDF: 17941317.7/88

- sign 496.393+/-0.075 χ^2/NDF: 8200876.0/45

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: -1745.736+/-658.976 χ^2/NDF: 25.0/22

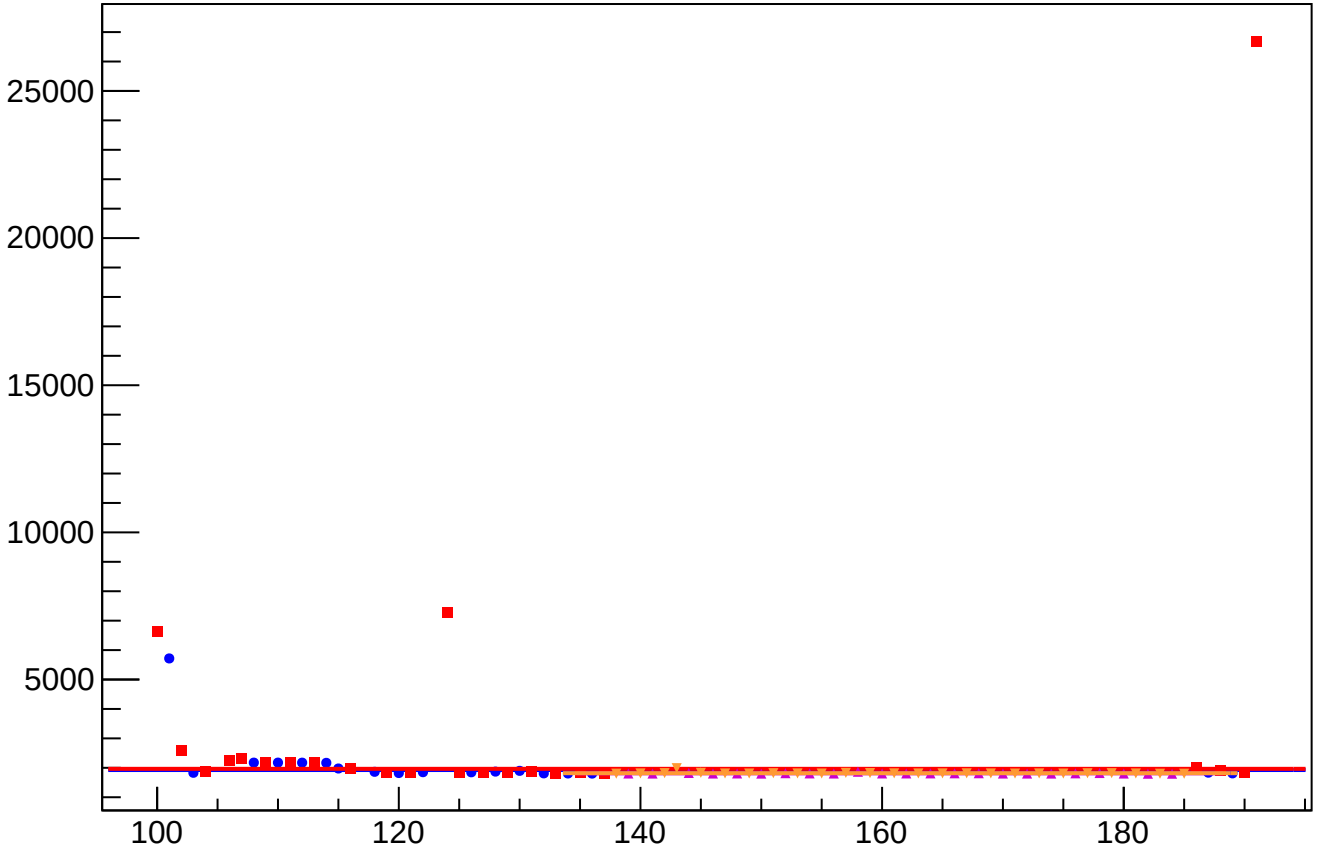
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1880.000+/-355.155 χ^2/NDF: 51.8/42

All: -44.093+/-251.464 χ^2/NDF: 162.4/88

- sign -1978.362+/-356.093 χ^2/NDF: 51.7/45

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: 1965.280+/-0.466 χ^2/NDF: 695031.9/22

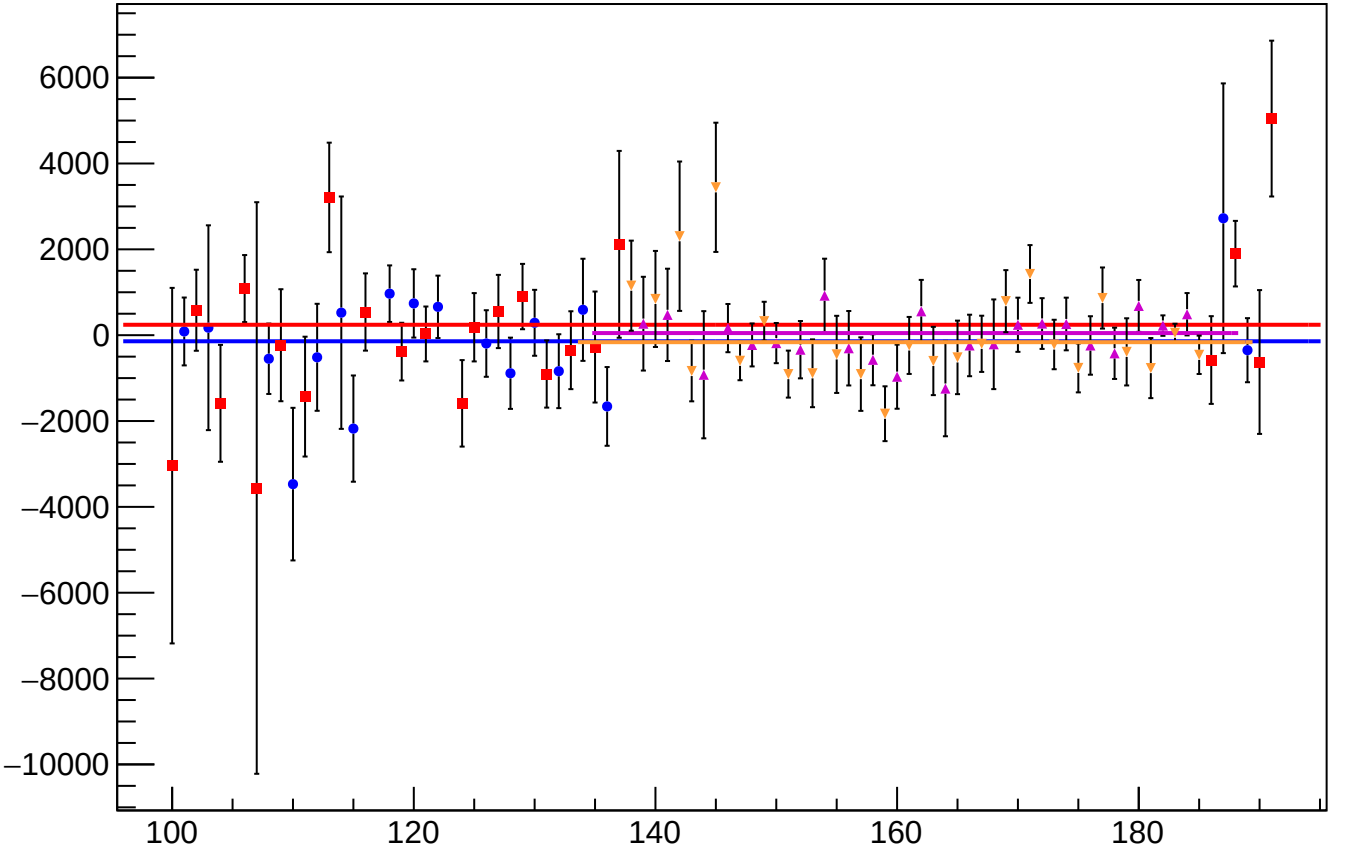
Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1845.387+/-0.251 χ^2/NDF: 691680.4/42

All: 1851.250+/-0.178 χ^2/NDF: 1465885.8/88

- sign 1857.144+/-0.252 χ^2/NDF: 773112.5/45

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: 242.589+/-205.657 χ^2/NDF: 32.4/22

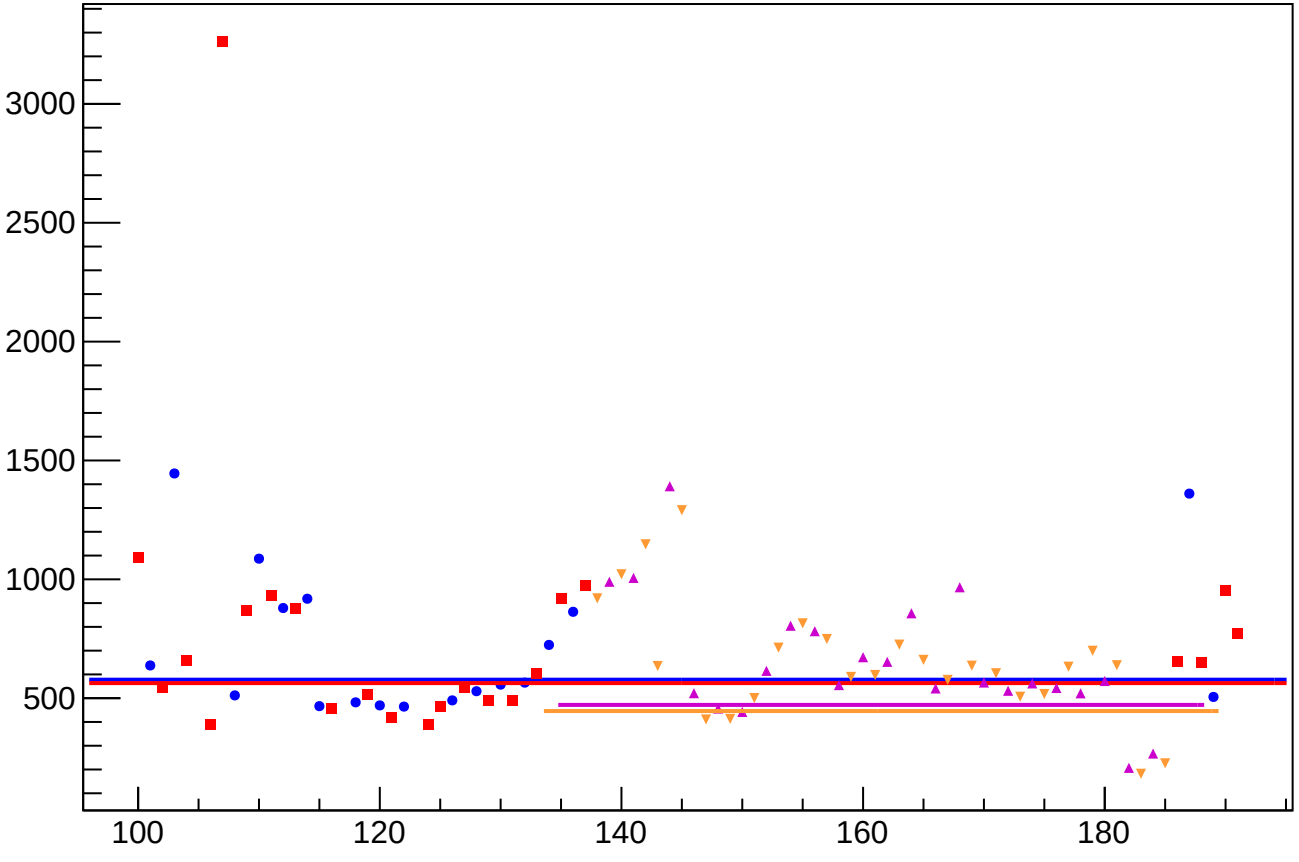
Left In: 49.310+/-122.694 χ^2/NDF:11.3/22

+ sign -158.369+/-102.078 χ^2/NDF: 54.7/42

All: -33.258+/-73.315 χ^2/NDF: 102.2/88

- sign 100.044+/-105.367 χ^2/NDF: 44.4/45

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: 563.456+/-0.145 χ^2/NDF: 1514388.8/22

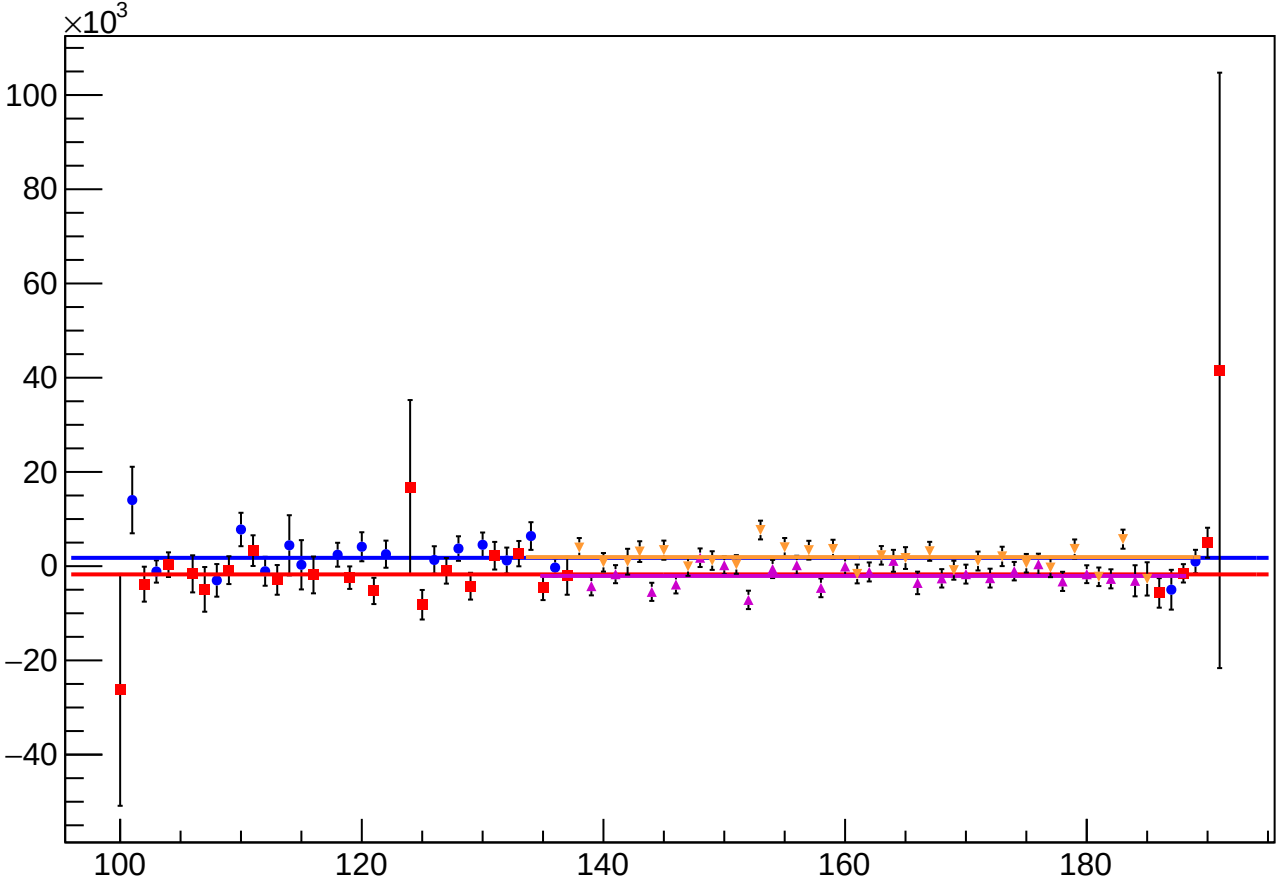
Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 474.379+/-0.072 χ^2/NDF: 9696122.0/42

All: 484.763+/-0.052 χ^2/NDF: 17960195.0/88

- sign 495.828+/-0.075 χ^2/NDF: 8221320.6/45

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: -1745.736+/-658.976 χ^2/NDF: 25.0/22

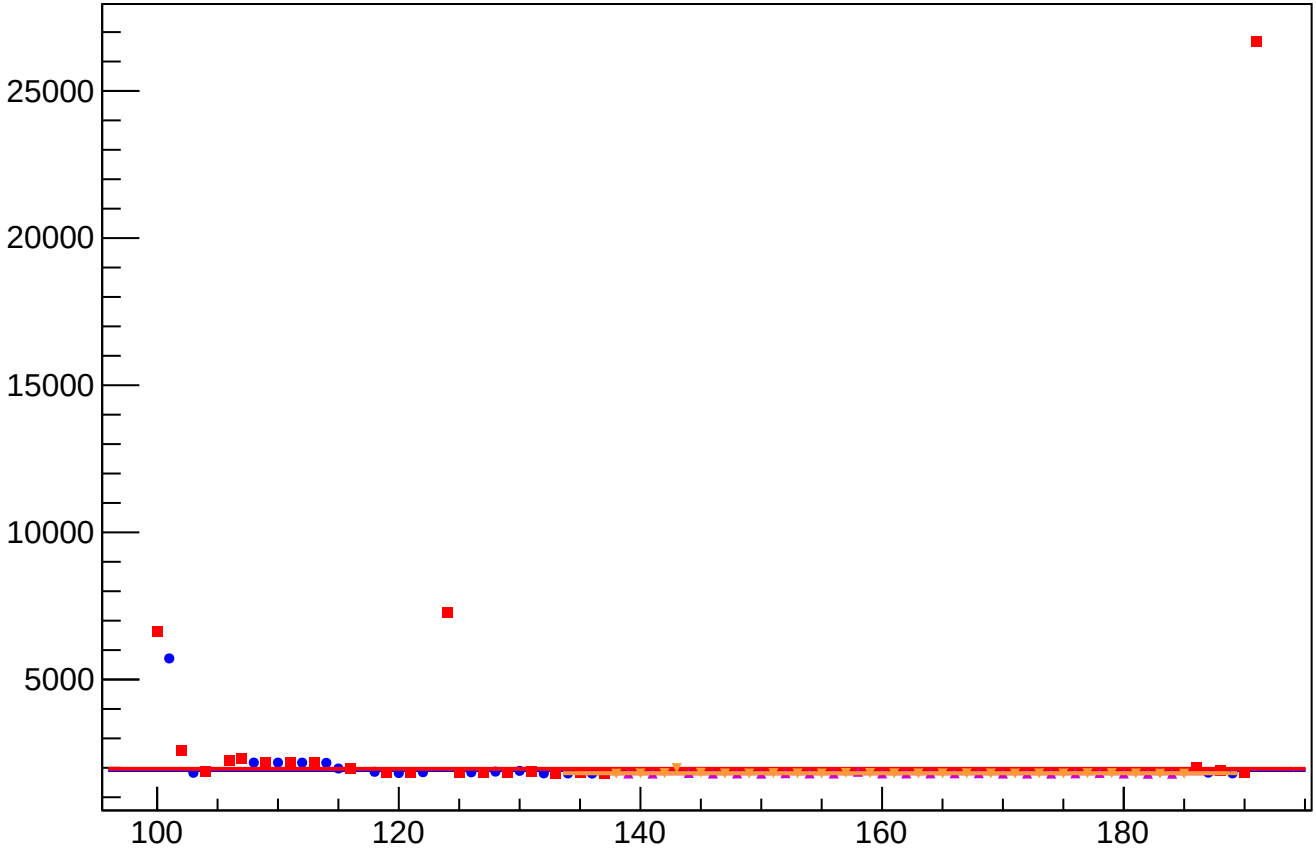
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1880.000+/-355.155 χ^2/NDF: 51.8/42

All: -44.093+/-251.464 χ^2/NDF: 162.4/88

- sign -1978.362+/-356.093 χ^2/NDF: 51.7/45

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

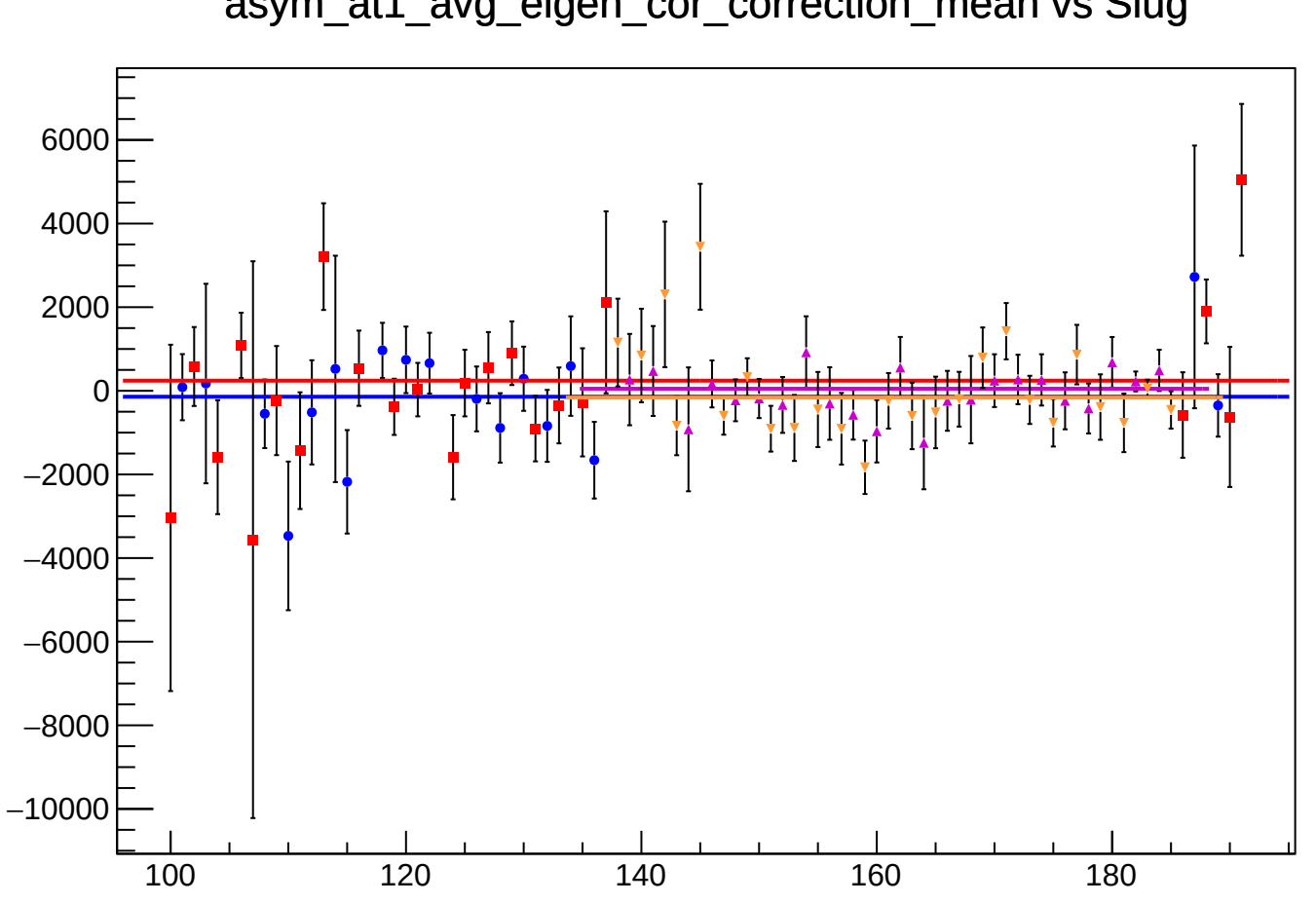
Right Out: 1965.280+/-0.466 χ^2/NDF: 695031.9/22

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1845.387+/-0.251 χ^2/NDF: 691680.4/42

All: 1851.250+/-0.178 χ^2/NDF: 1465885.8/88

- sign 1857.144+/-0.252 χ^2/NDF: 773112.5/45



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: 242.589+/-205.657 χ^2/NDF: 32.4/22

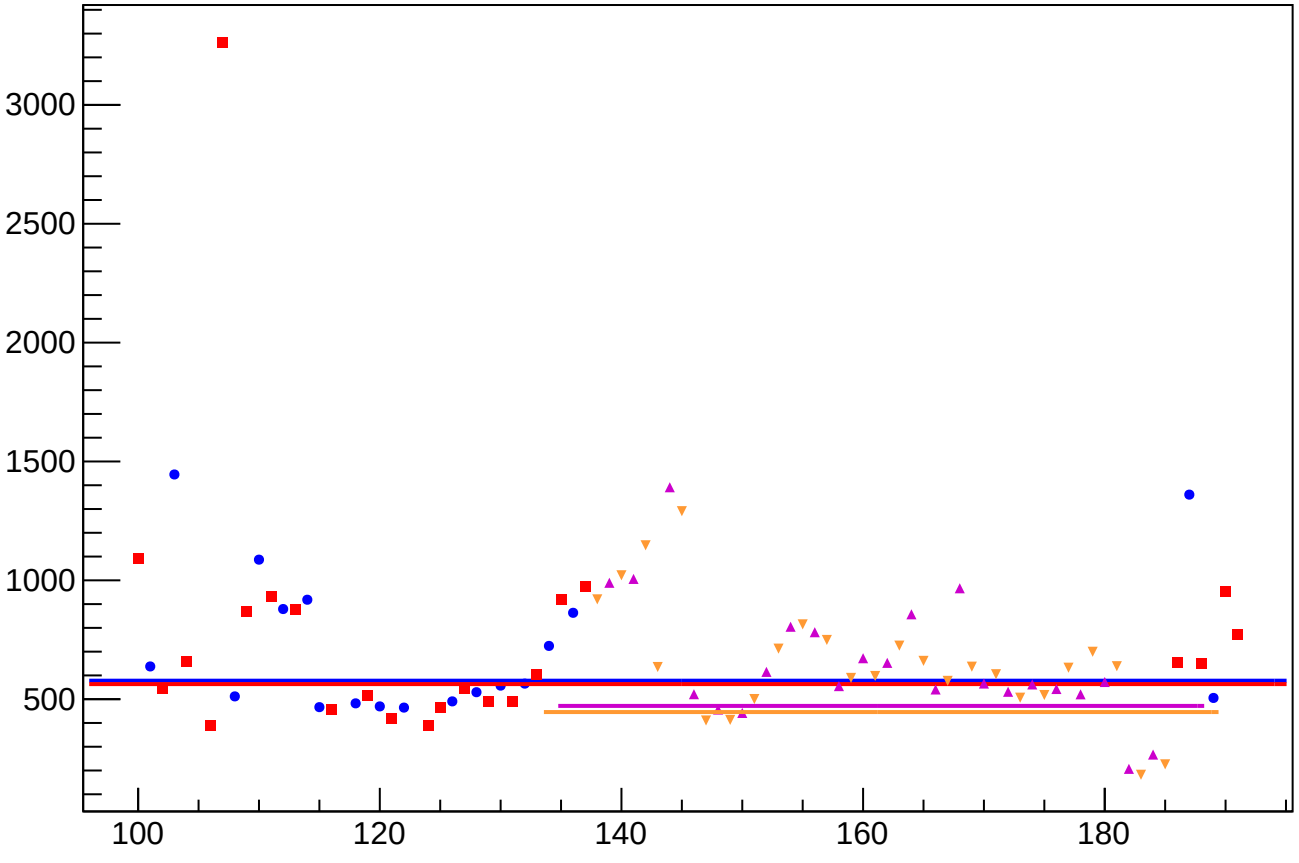
Left In: 49.310+/-122.694 χ^2/NDF:11.3/22

+ sign -158.369+/-102.078 χ^2/NDF: 54.7/42

All: -33.258+/-73.315 χ^2/NDF: 102.2/88

- sign 100.044+/-105.367 χ^2/NDF: 44.4/45

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

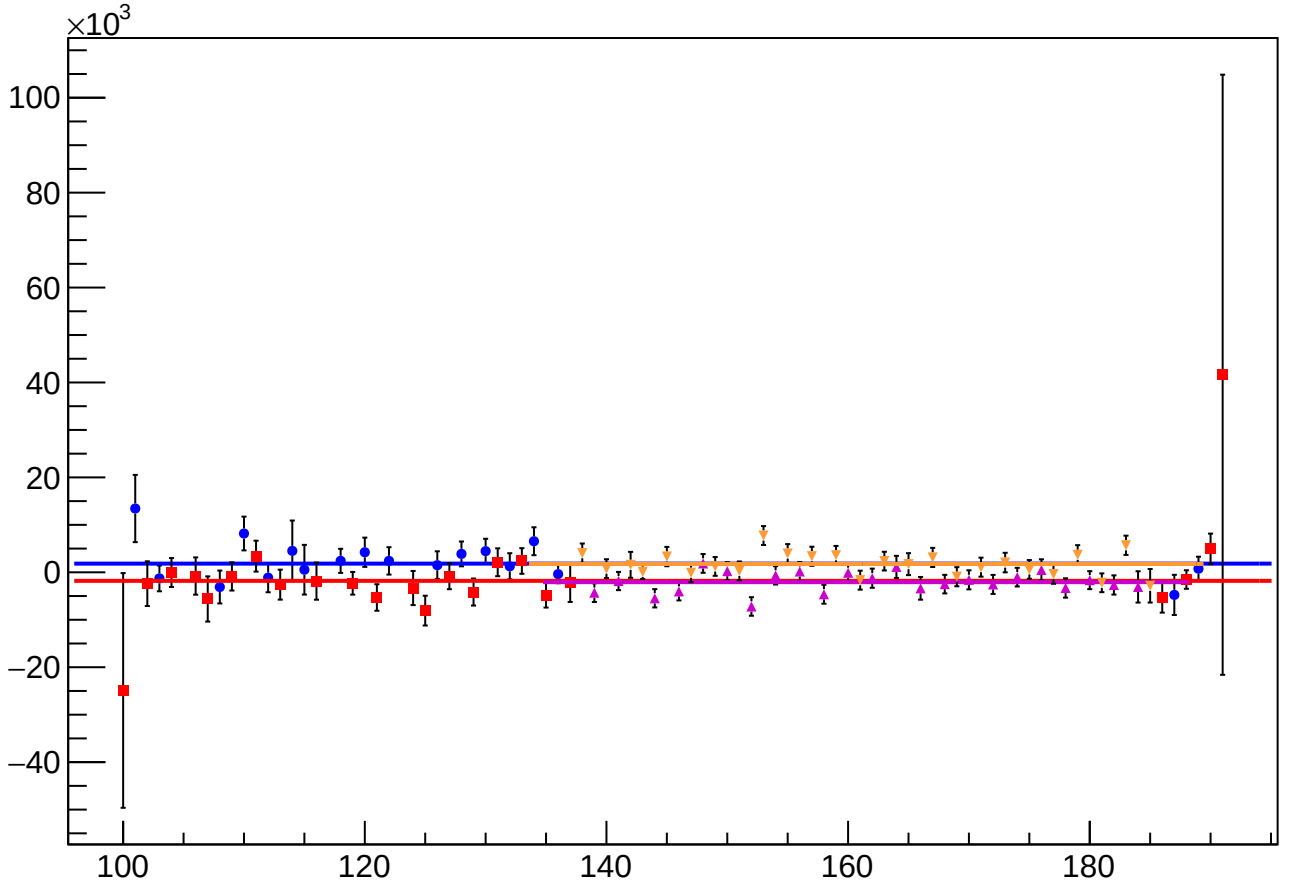
Right Out: 563.456+/-0.145 χ^2/NDF: 1514388.8/22

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 474.379+/-0.072 χ^2/NDF: 9696122.0/42

All: 484.763+/-0.052 χ^2/NDF: 17960195.0/88

- sign 495.828+/-0.075 χ^2/NDF: 8221320.6/45



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: -1798.993+/-659.306 χ^2/NDF: 23.0/22

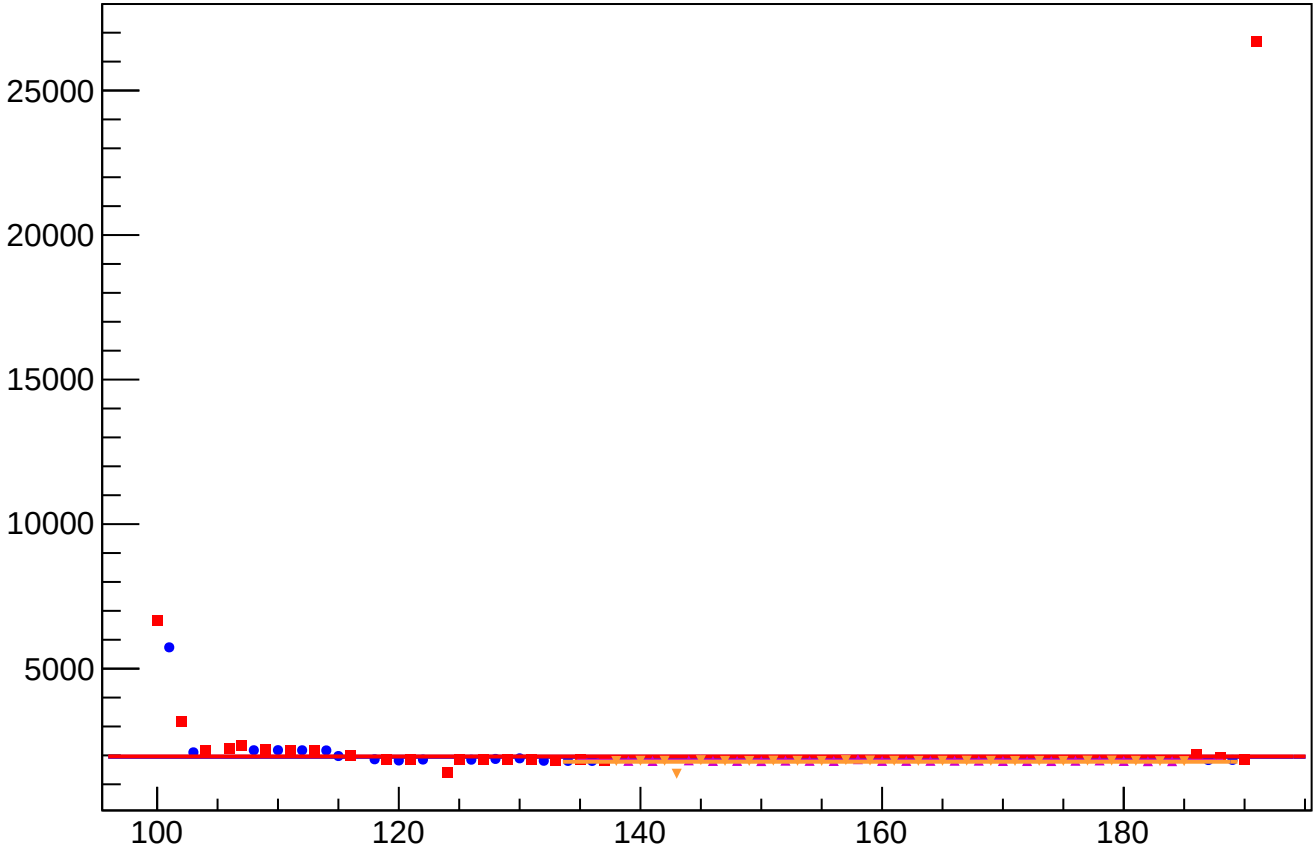
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1774.121+/-351.532 χ^2/NDF: 53.1/42

All: -83.597+/-250.278 χ^2/NDF: 159.8/88

- sign -1993.238+/-356.411 χ^2/NDF: 50.1/45

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: 1963.821+/-0.466 χ^2/NDF: 658511.0/22

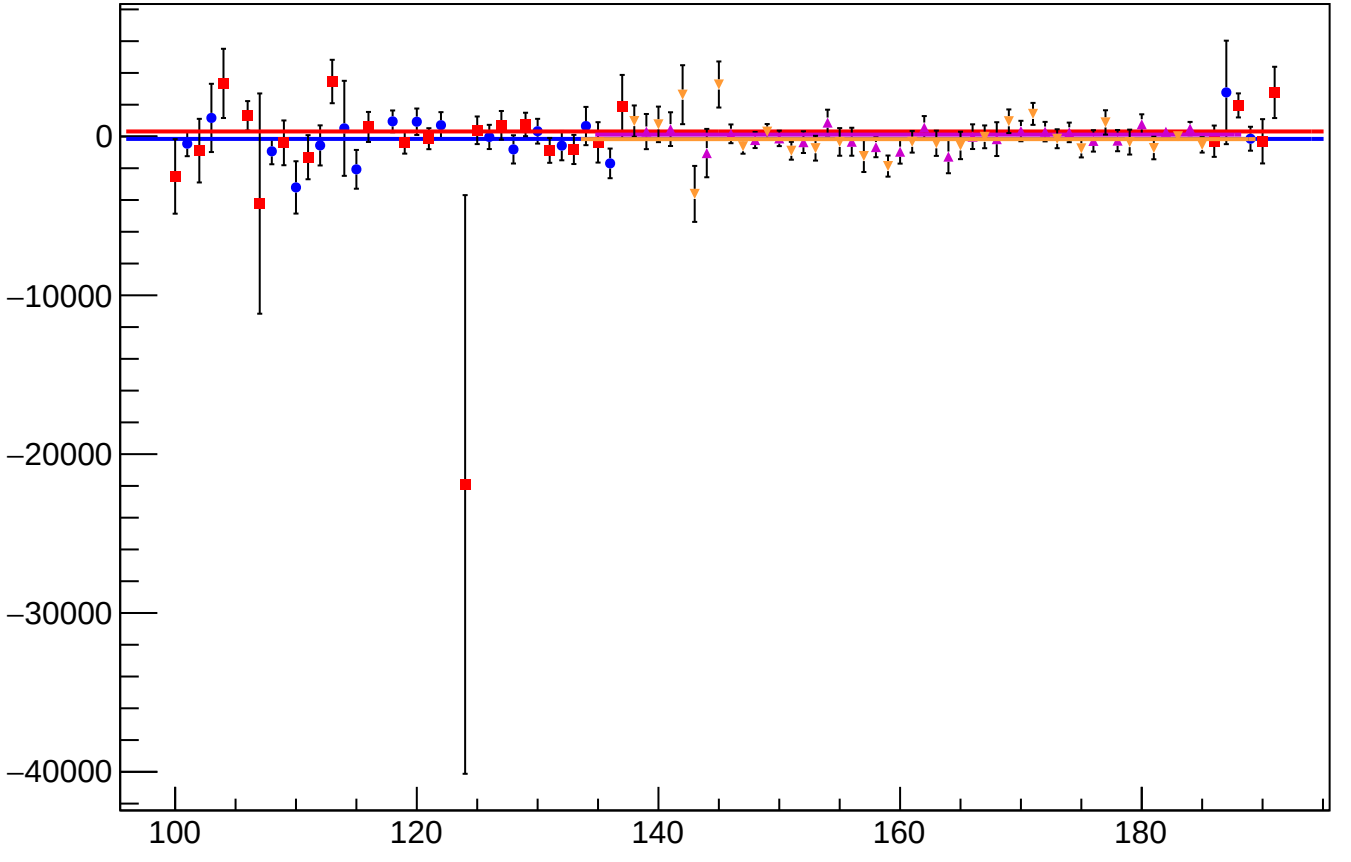
Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1823.019+/-0.249 χ^2/NDF: 897715.4/42

All: 1840.313+/-0.177 χ^2/NDF: 1640810.8/88

- sign 1858.090+/-0.252 χ^2/NDF: 733279.1/45

asym_at1_avg_dit_correction_mean vs Slug



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: 315.678+/-220.184 χ^2/NDF: 28.2/22

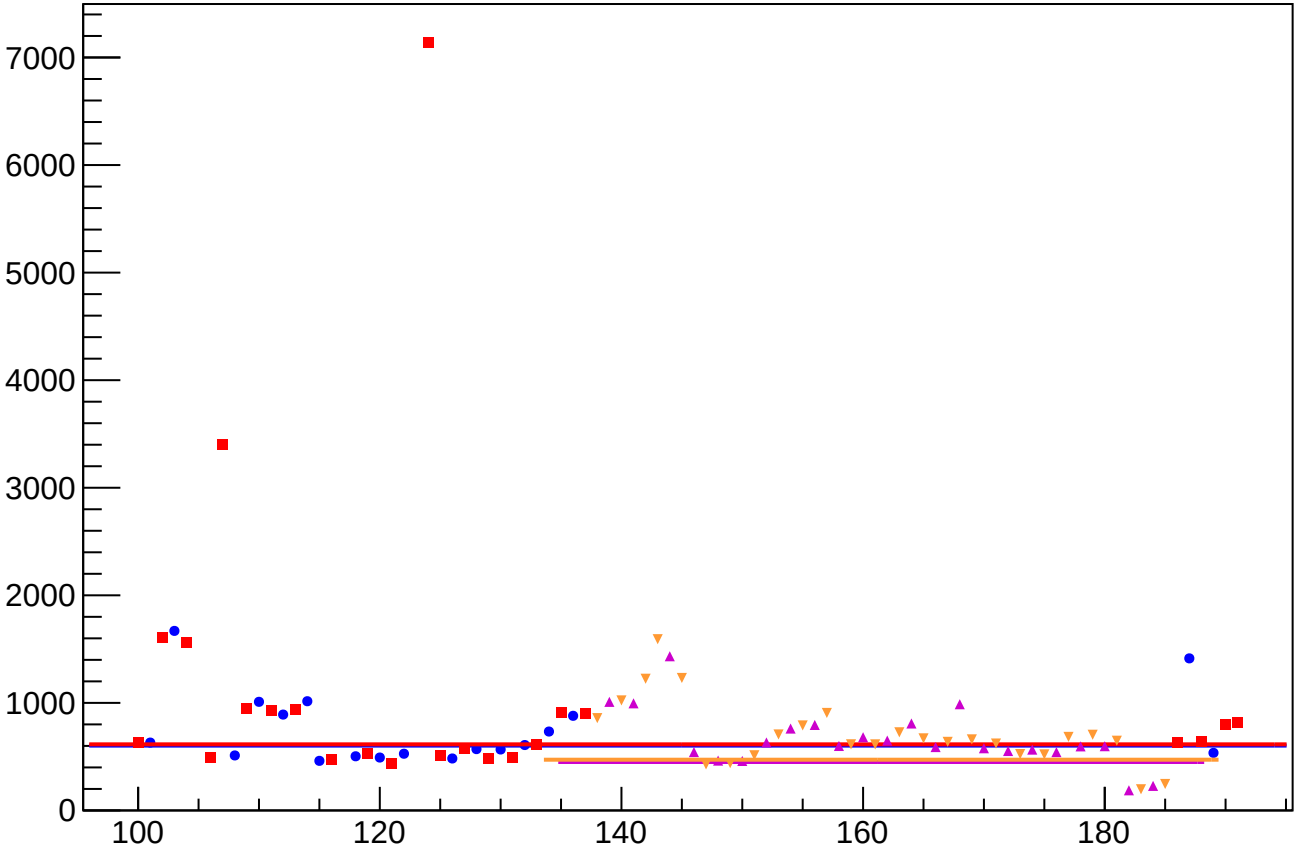
Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

\+ sign -164.805+/-107.045 χ^2/NDF: 56.4/42

All: 1.687+/-75.036 χ^2/NDF: 102.2/88

\- sign 162.527+/-105.213 χ^2/NDF: 41.1/45

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: 614.617+/-0.156 χ^2/NDF: 2406090.7/22

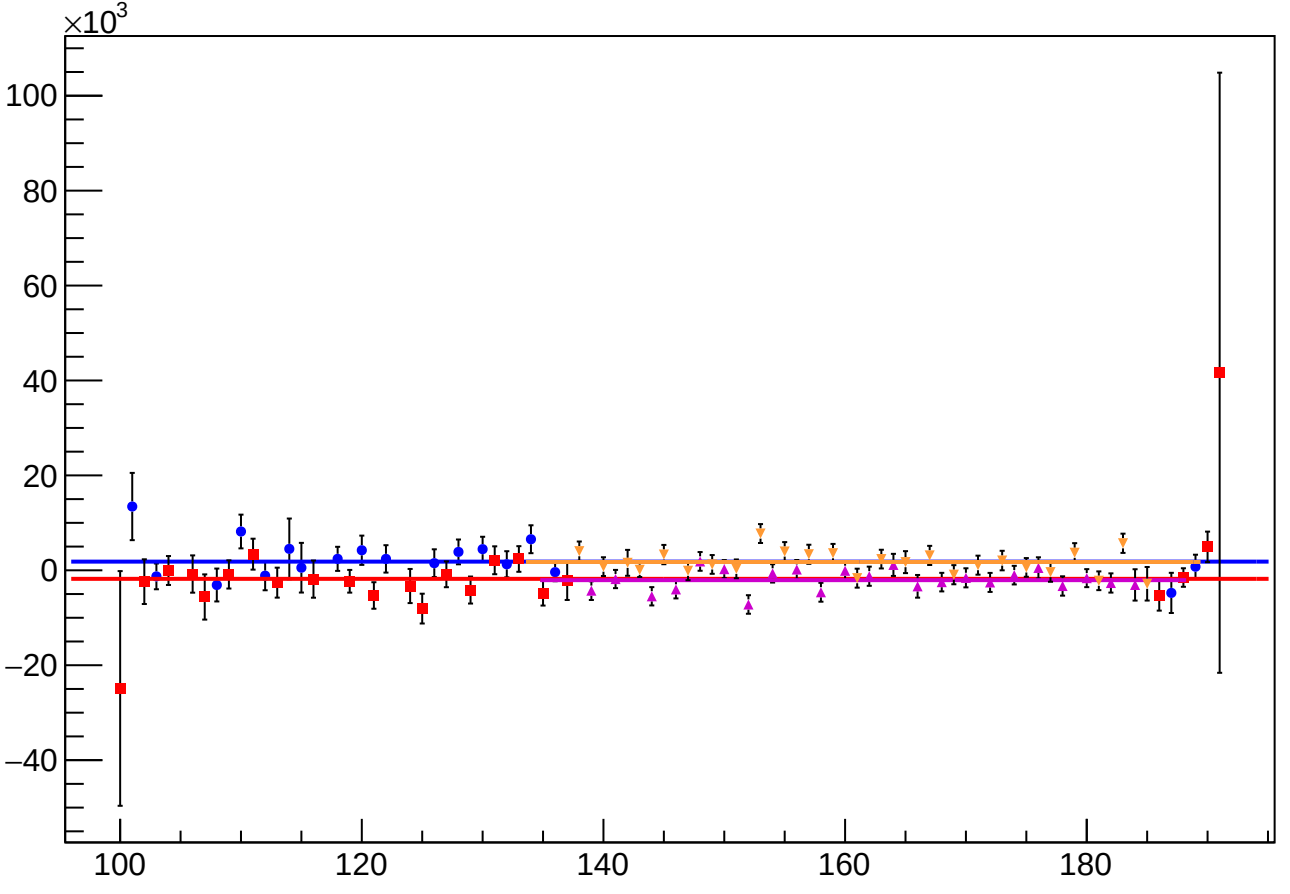
Left In: 450.652+/-0.085 χ^2/NDF:7928332.5/22

+ sign 501.365+/-0.076 χ^2/NDF: 9940386.7/42

All: 494.613+/-0.053 χ^2/NDF: 21146291.1/88

- sign 488.090+/-0.074 χ^2/NDF: 11190260.4/45

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: -1798.990+/-659.306 χ^2/NDF: 23.0/22

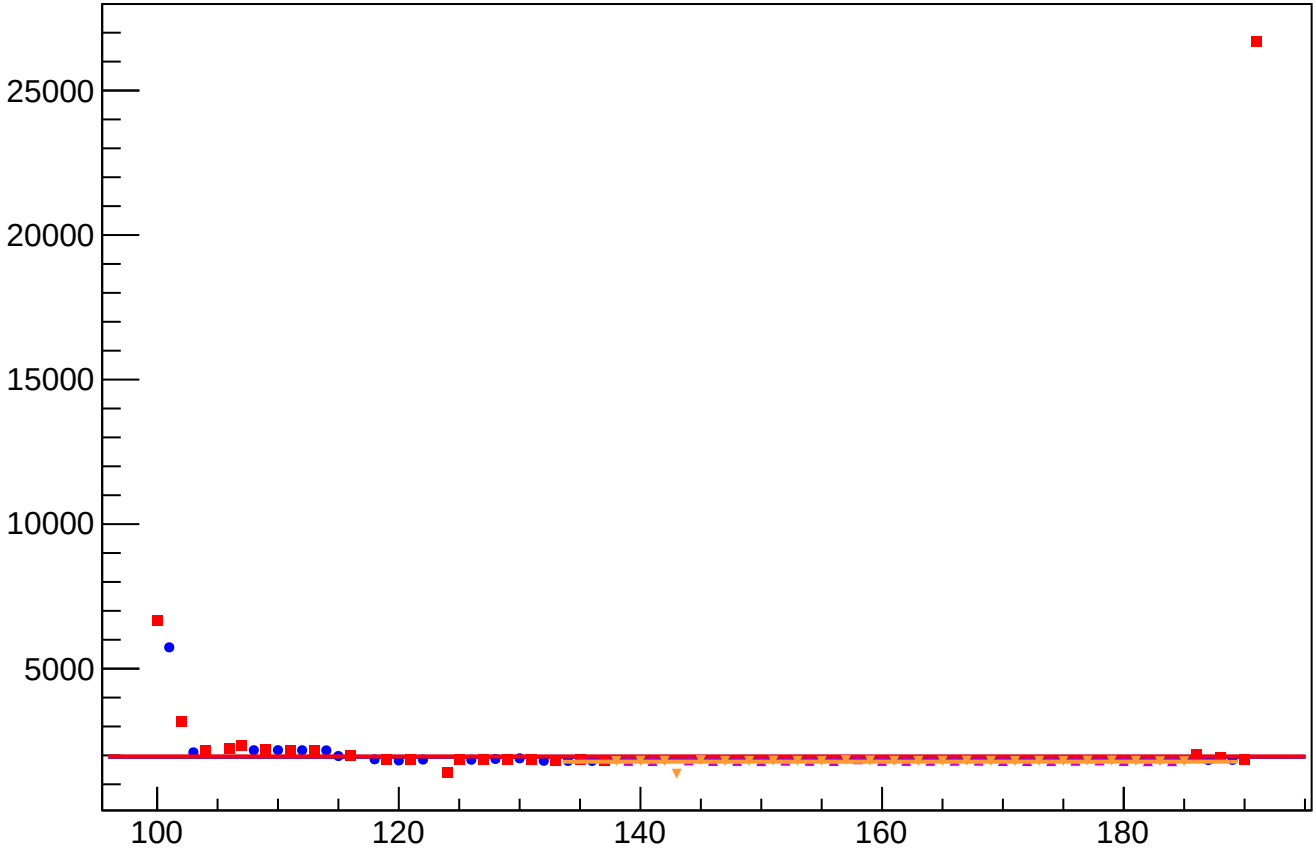
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1774.121+/-351.532 χ^2/NDF: 53.1/42

All: -83.597+/-250.278 χ^2/NDF: 159.8/88

- sign -1993.238+/-356.411 χ^2/NDF: 50.1/45

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: 1963.821+/-0.466 χ^2/NDF: 658509.8/22

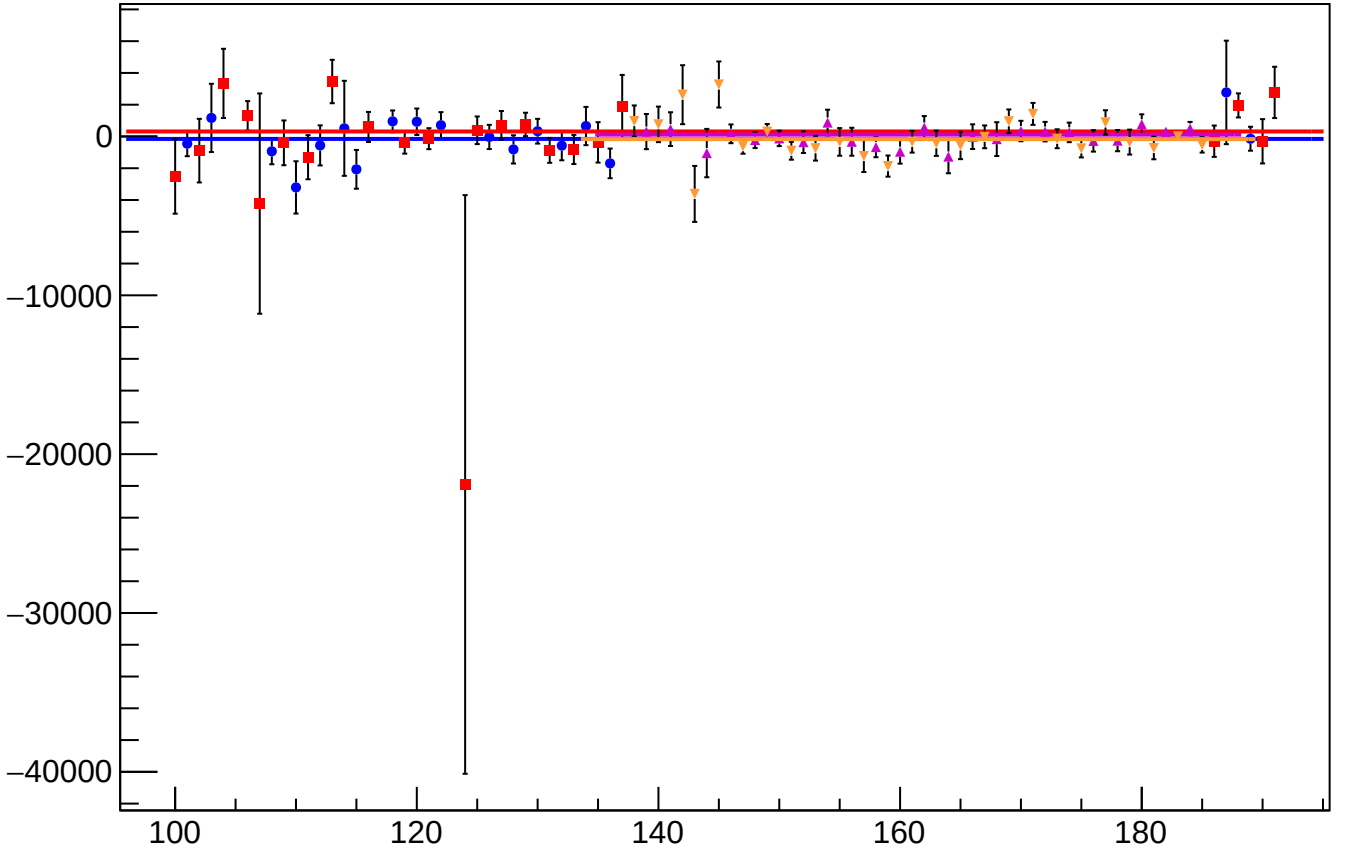
Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1823.019+/-0.249 χ^2/NDF: 897714.8/42

All: 1840.313+/-0.177 χ^2/NDF: 1640808.7/88

- sign 1858.090+/-0.252 χ^2/NDF: 733277.6/45

asym_at1_avg_eigen_dit_correction_mean vs Slug



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: 315.678+/-220.183 χ^2/NDF: 28.2/22

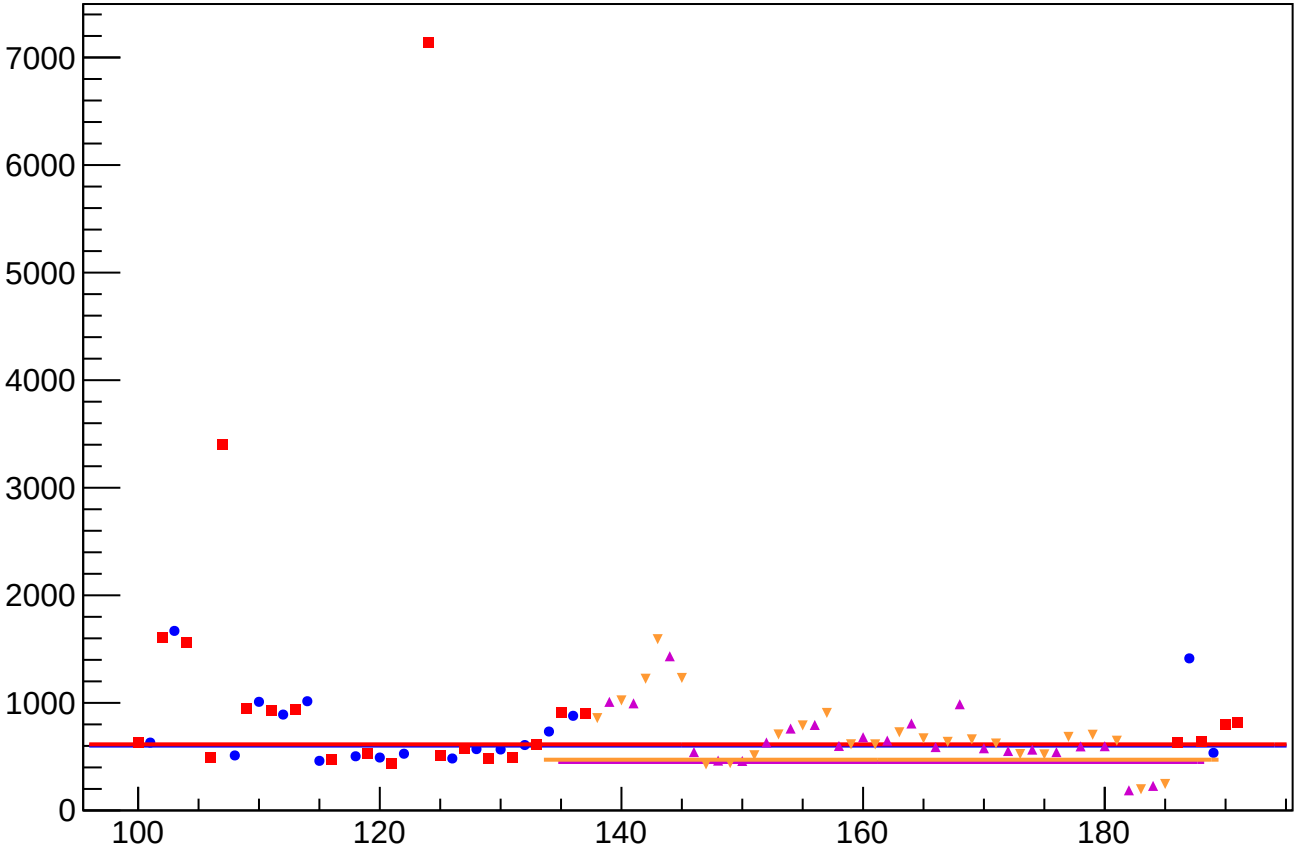
Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

+ sign -164.805+/-107.046 χ^2/NDF: 56.4/42

All: 1.687+/-75.036 χ^2/NDF: 102.2/88

- sign 162.528+/-105.213 χ^2/NDF: 41.1/45

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: 614.616+/-0.156 χ^2/NDF: 2406099.4/22

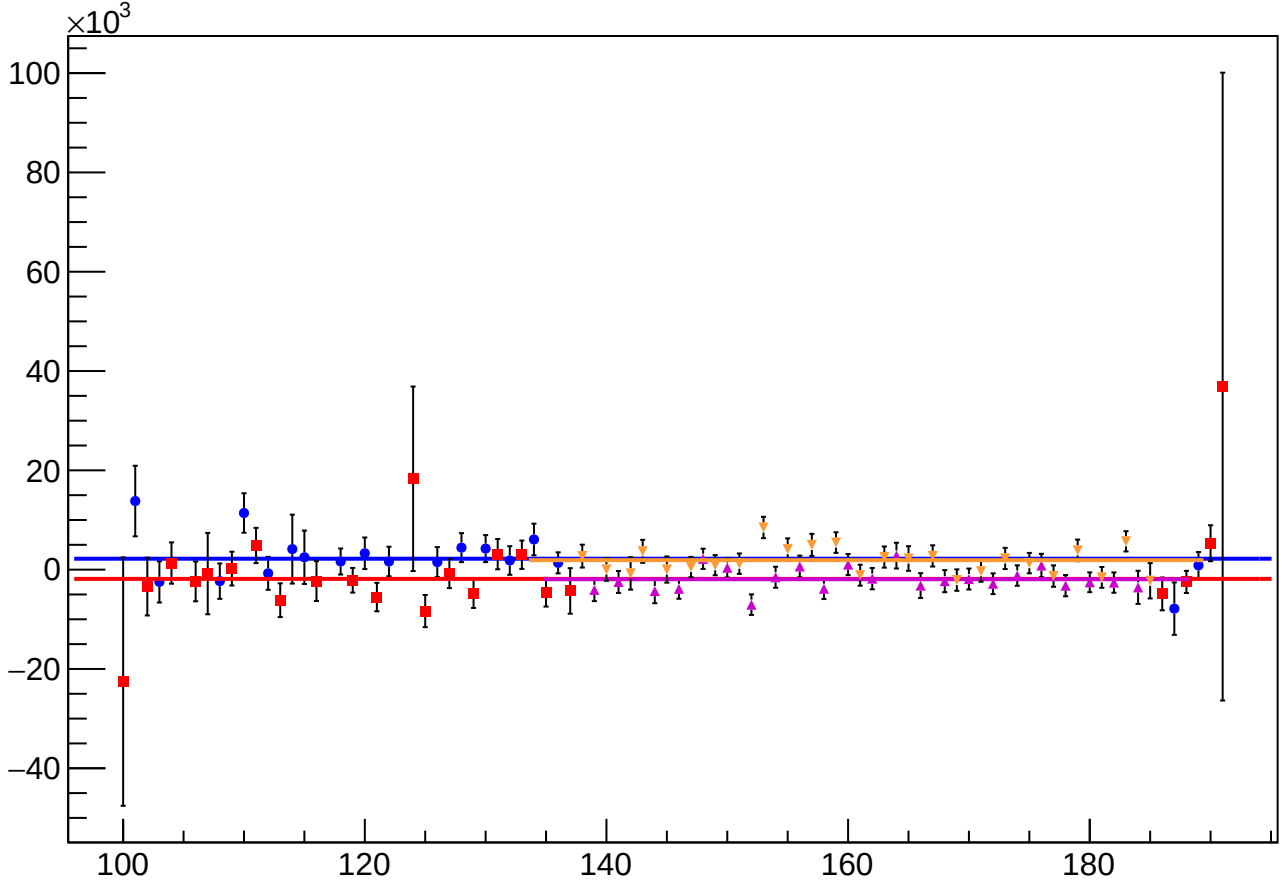
Left In: 450.653+/-0.085 χ^2/NDF:7928317.5/22

+ sign 501.366+/-0.076 χ^2/NDF: 9940382.1/42

All: 494.614+/-0.053 χ^2/NDF: 21146263.1/88

- sign 488.091+/-0.074 χ^2/NDF: 11190237.6/45

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: -1861.633+/-733.226 χ^2/NDF: 26.8/22

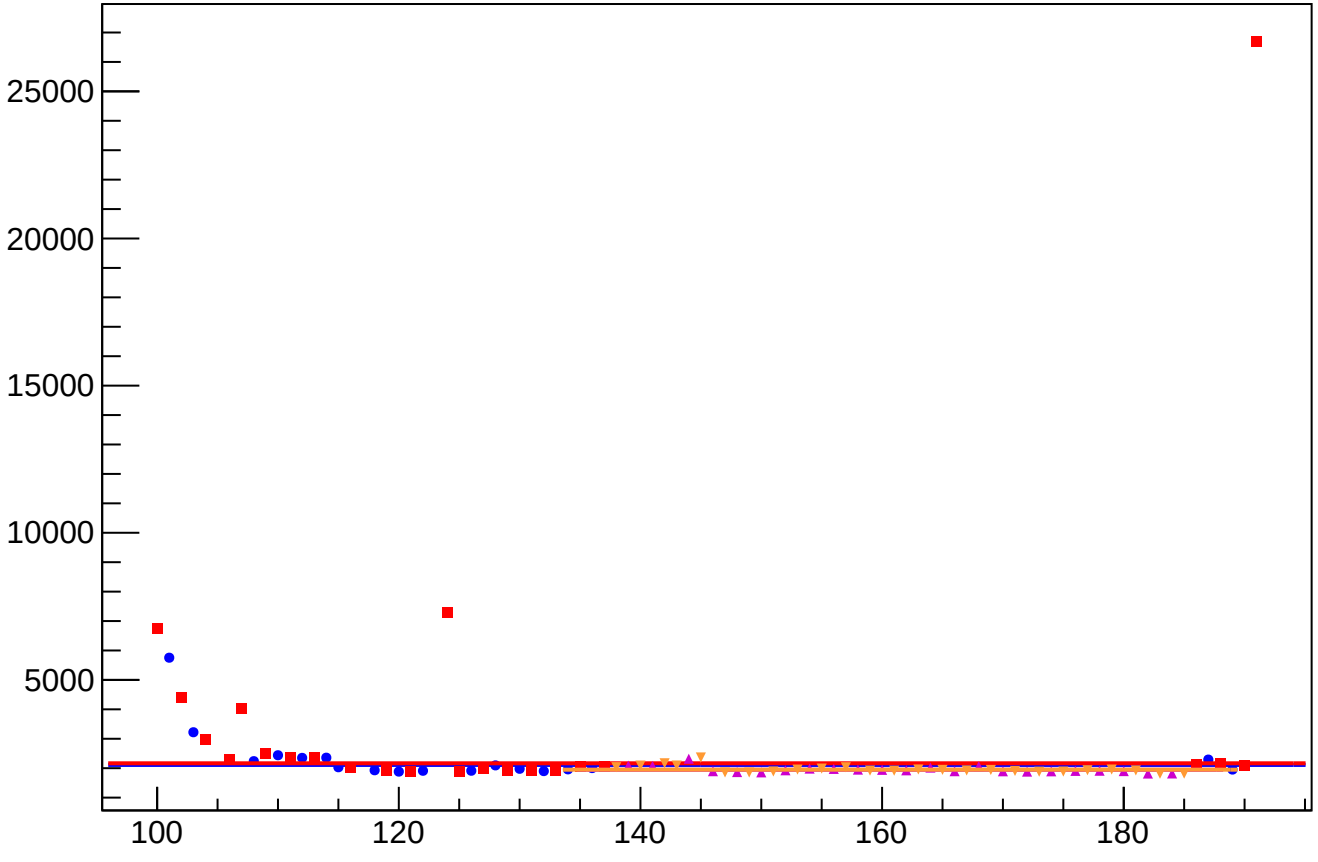
Left In: -1926.570+/-454.880 χ^2/NDF:24.8/22

+ sign 1981.315+/-383.950 χ^2/NDF: 55.1/42

All: 49.460+/-272.404 χ^2/NDF: 157.6/88

- sign -1908.523+/-386.537 χ^2/NDF: 51.6/45

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

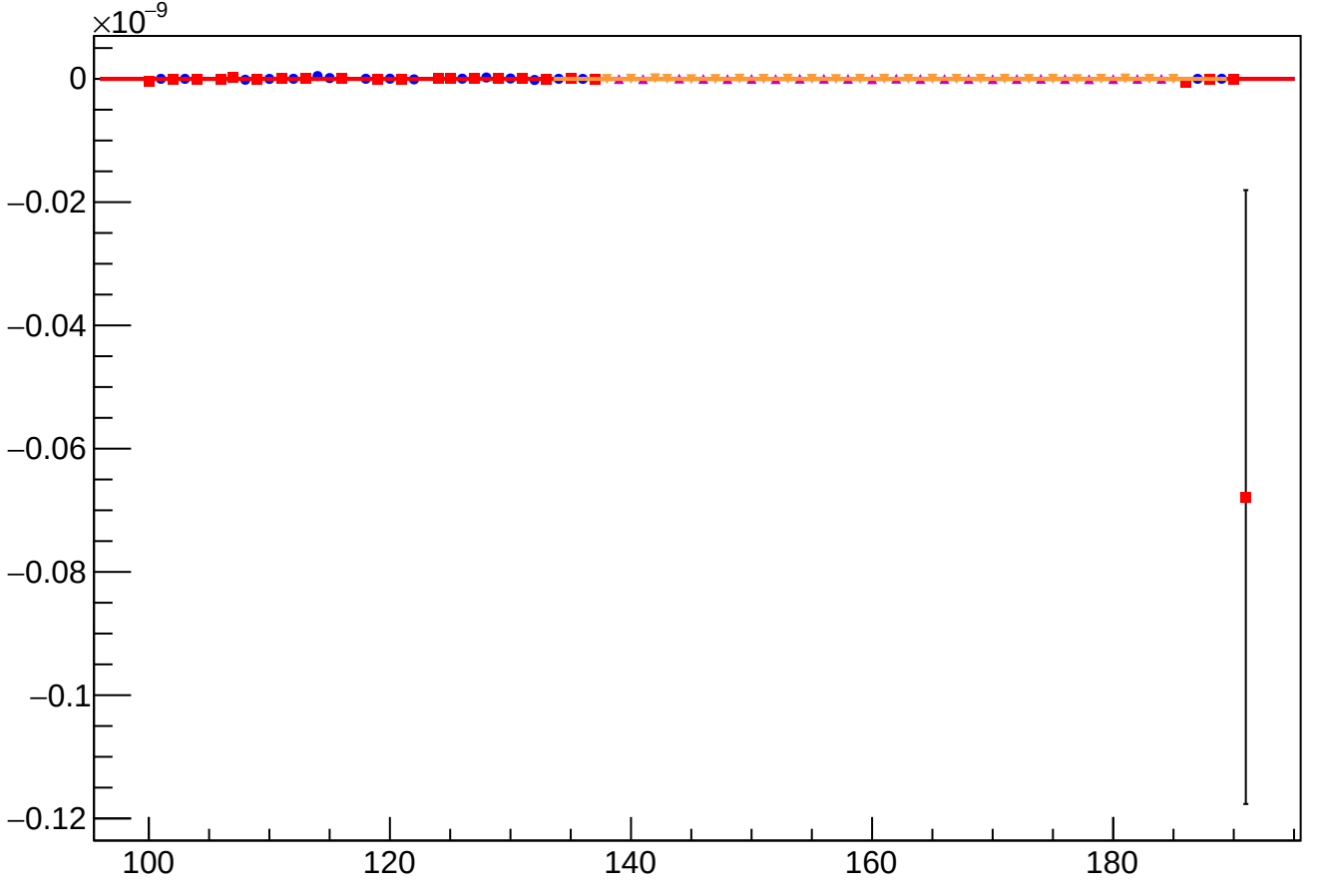
Right Out: 2166.137+/-0.518 χ^2/NDF: 1128969.3/22

Left In: 1945.132+/-0.322 χ^2/NDF:95954.5/22

+ sign 1989.534+/-0.271 χ^2/NDF: 944705.8/42

All: 1997.986+/-0.193 χ^2/NDF: 2302786.1/88

- sign 2006.552+/-0.273 χ^2/NDF: 1356128.7/45



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: 20.6/22

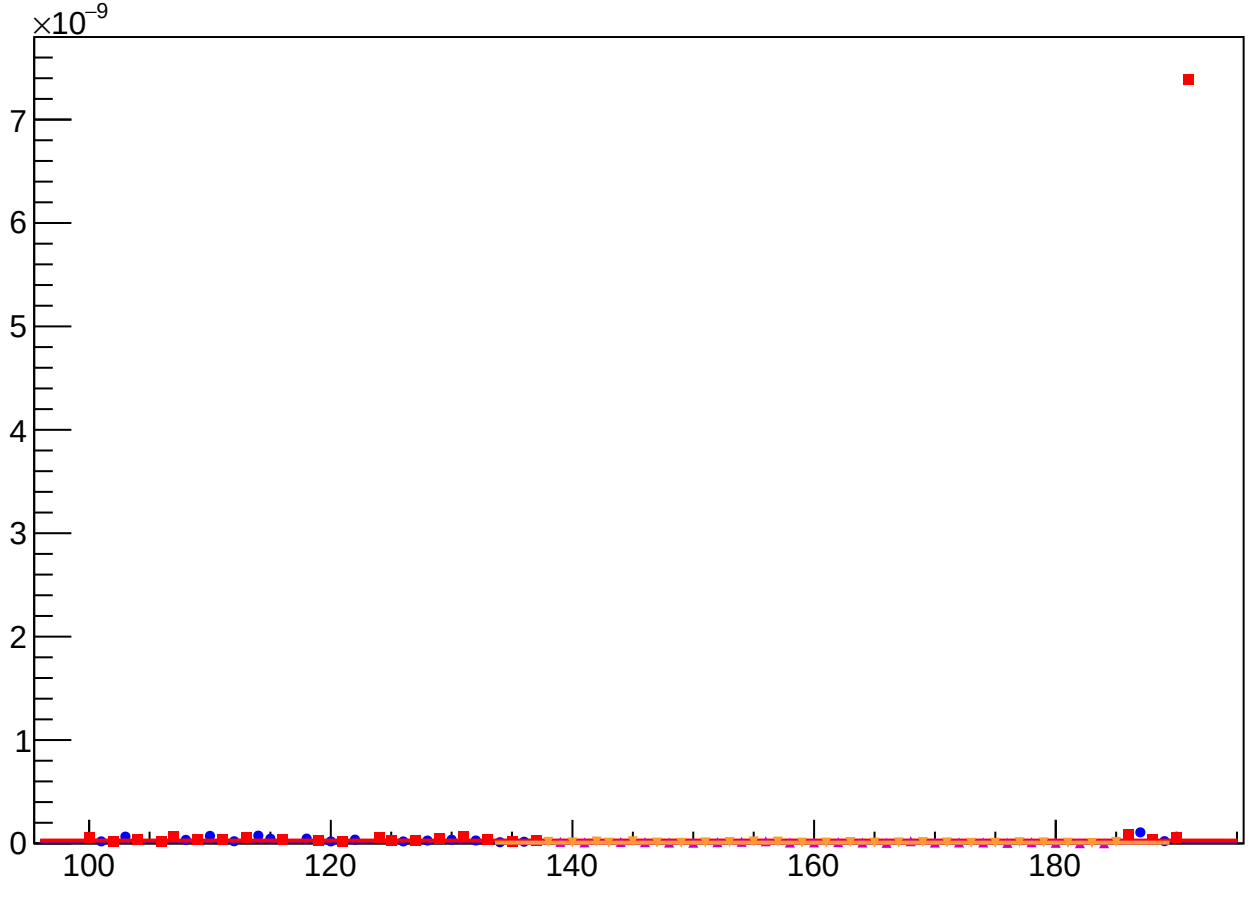
Left In: 0.000+/-0.000 χ^2/NDF:31.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 47.3/42

All: 0.000+/-0.000 χ^2/NDF: 100.2/88

- sign 0.000+/-0.000 χ^2/NDF: 52.7/45

asym_at1_avg_reg_vs_cor_diff_rms vs Slug



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: 1013183.8/22

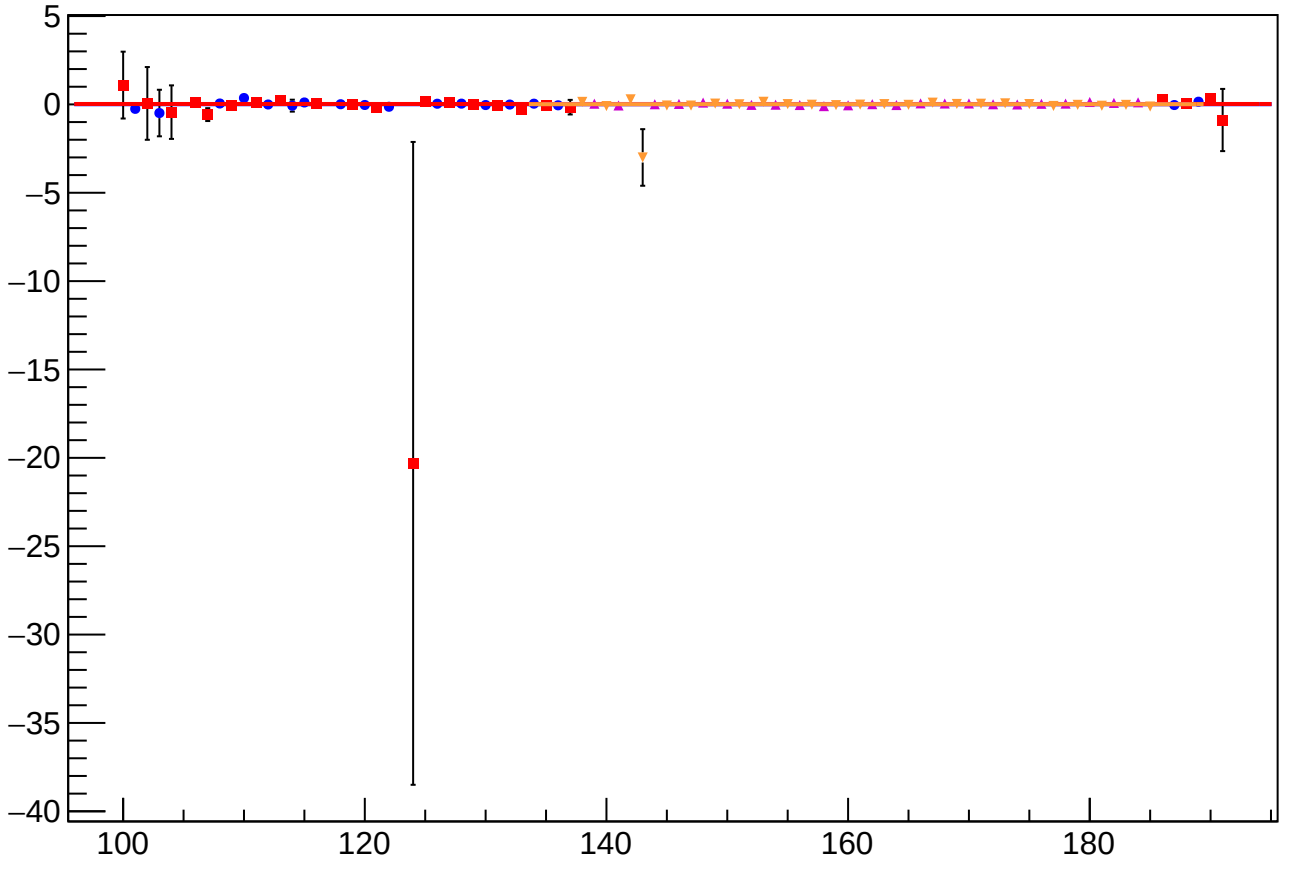
Left In: 0.000+/-0.000 χ^2/NDF:2613869.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 5303489.5/42

All: 0.000+/-0.000 χ^2/NDF: 11554563.6/88

- sign 0.000+/-0.000 χ^2/NDF: 6250295.8/45

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: 0.024+/-0.025 χ^2/NDF: 22.3/22

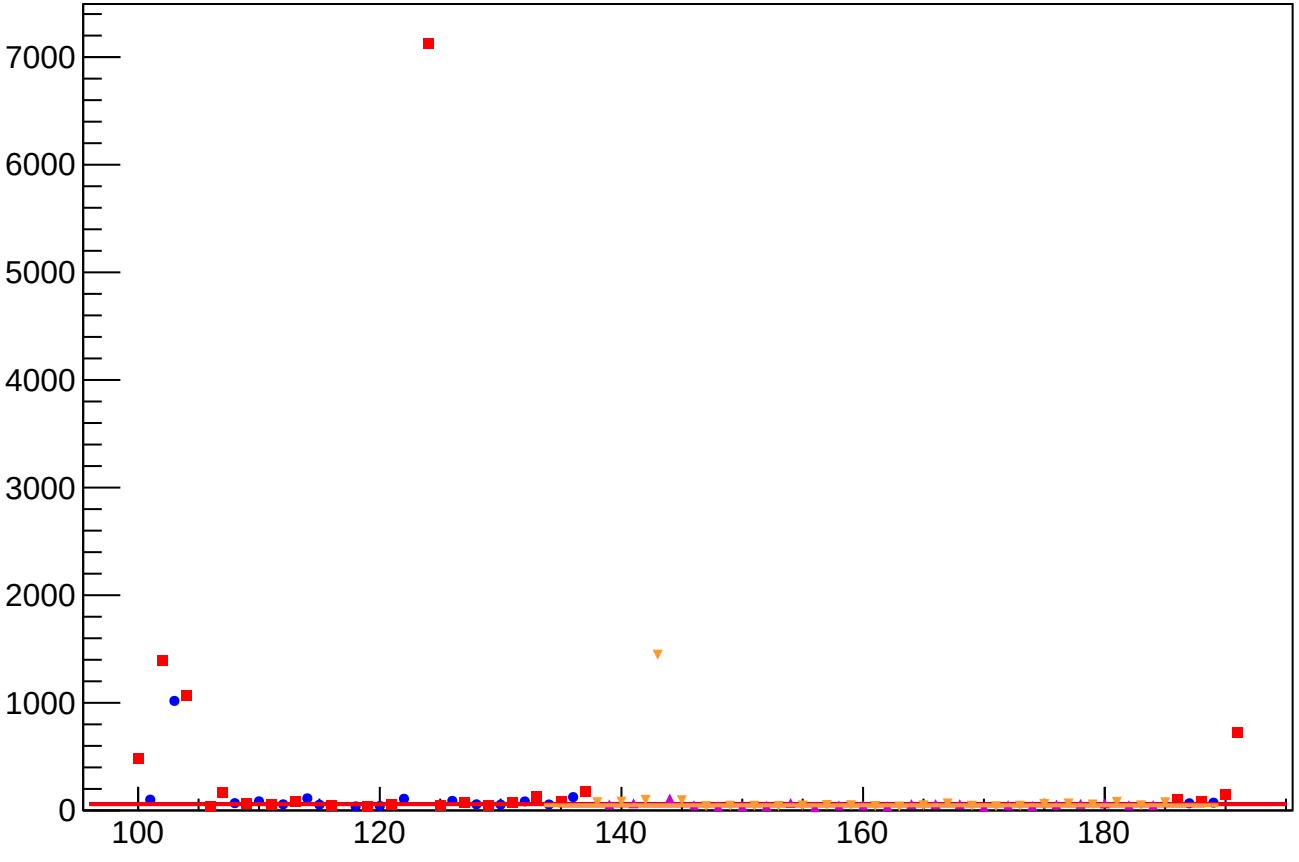
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.011+/-0.011 χ^2/NDF: 42.2/42

All: 0.015+/-0.008 χ^2/NDF: 85.1/88

- sign 0.019+/-0.011 χ^2/NDF: 42.6/45

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

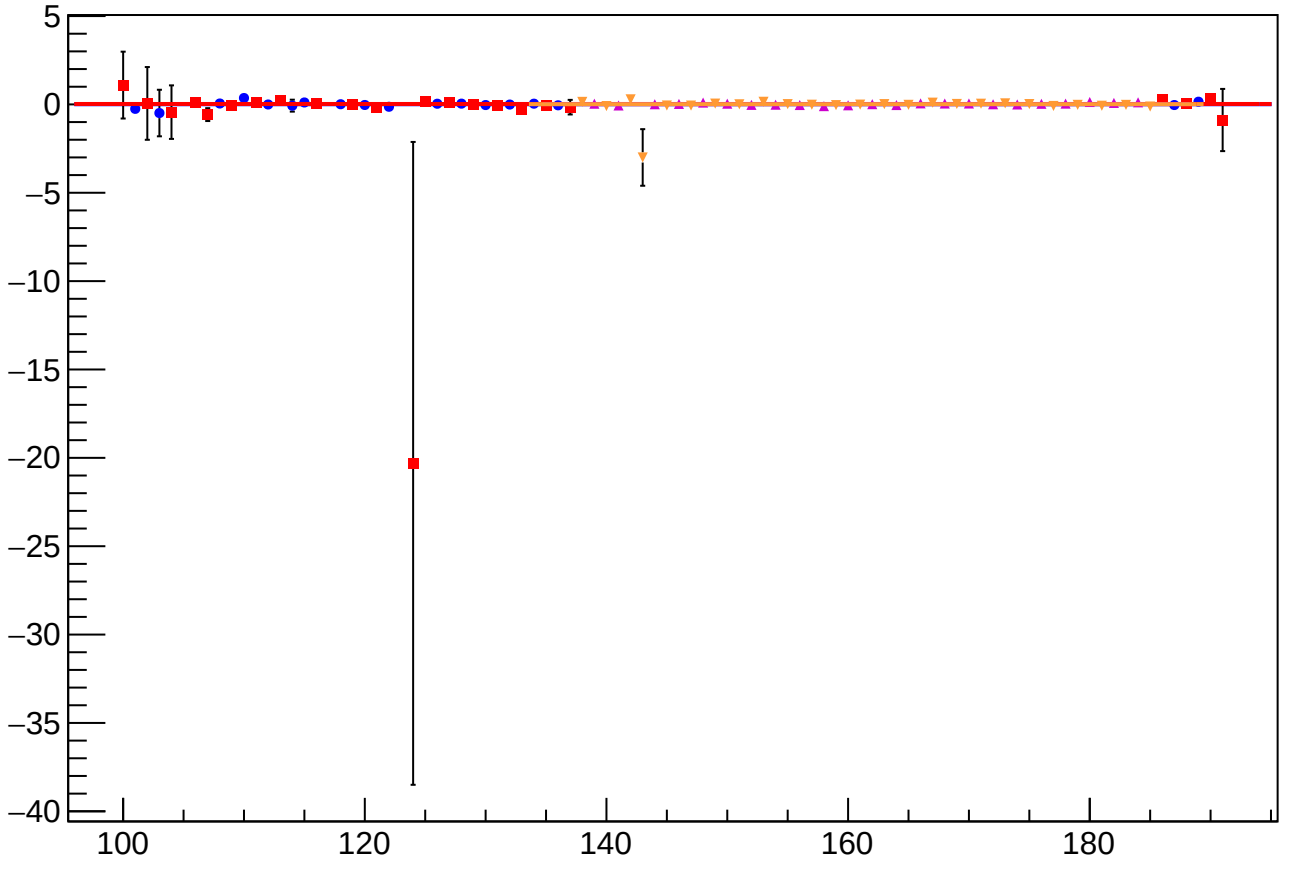
Right Out: 58.265+/-0.017 χ^2/NDF: 4359875.0/22

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 50.255+/-0.008 χ^2/NDF: 6436108.2/42

All: 49.653+/-0.006 χ^2/NDF: 13107034.3/88

- sign 49.077+/-0.008 χ^2/NDF: 6659643.2/45



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: 0.024+/-0.025 χ^2/NDF: 22.3/22

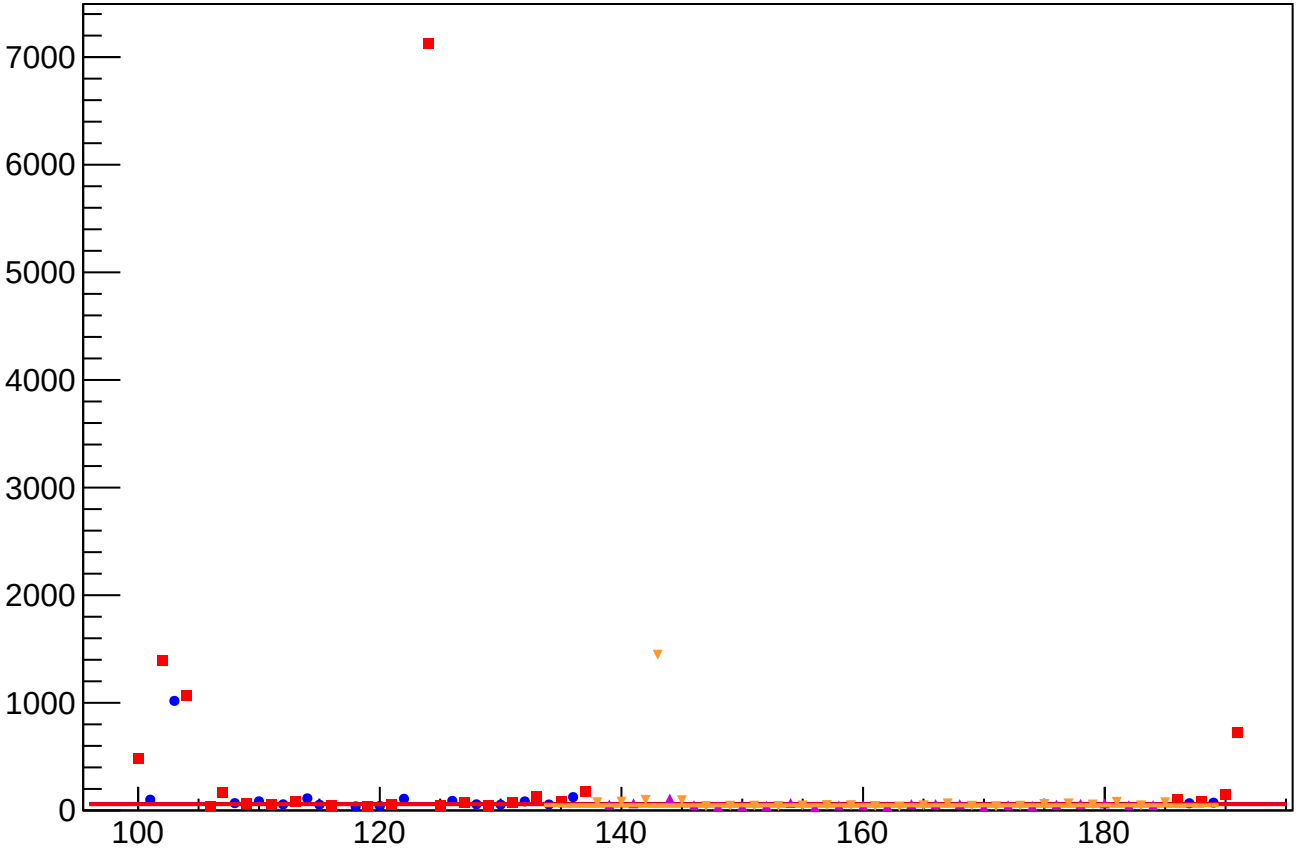
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.011+/-0.011 χ^2/NDF: 42.2/42

All: 0.015+/-0.008 χ^2/NDF: 85.1/88

- sign 0.019+/-0.011 χ^2/NDF: 42.6/45

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

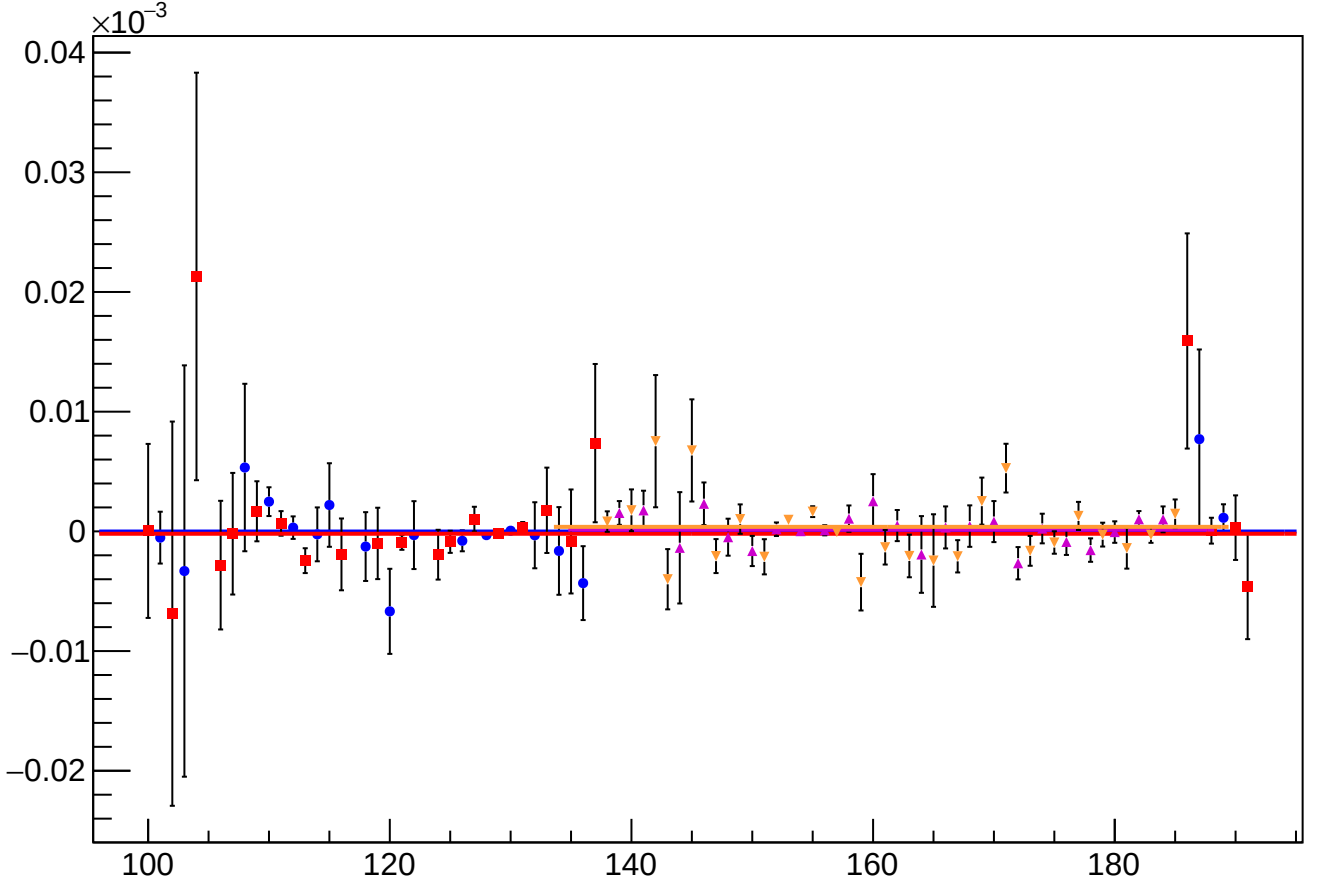
Right Out: 58.265+/-0.017 χ^2/NDF: 4359875.0/22

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 50.255+/-0.008 χ^2/NDF: 6436108.2/42

All: 49.653+/-0.006 χ^2/NDF: 13107034.3/88

- sign 49.077+/-0.008 χ^2/NDF: 6659643.2/45



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: 19.9/22

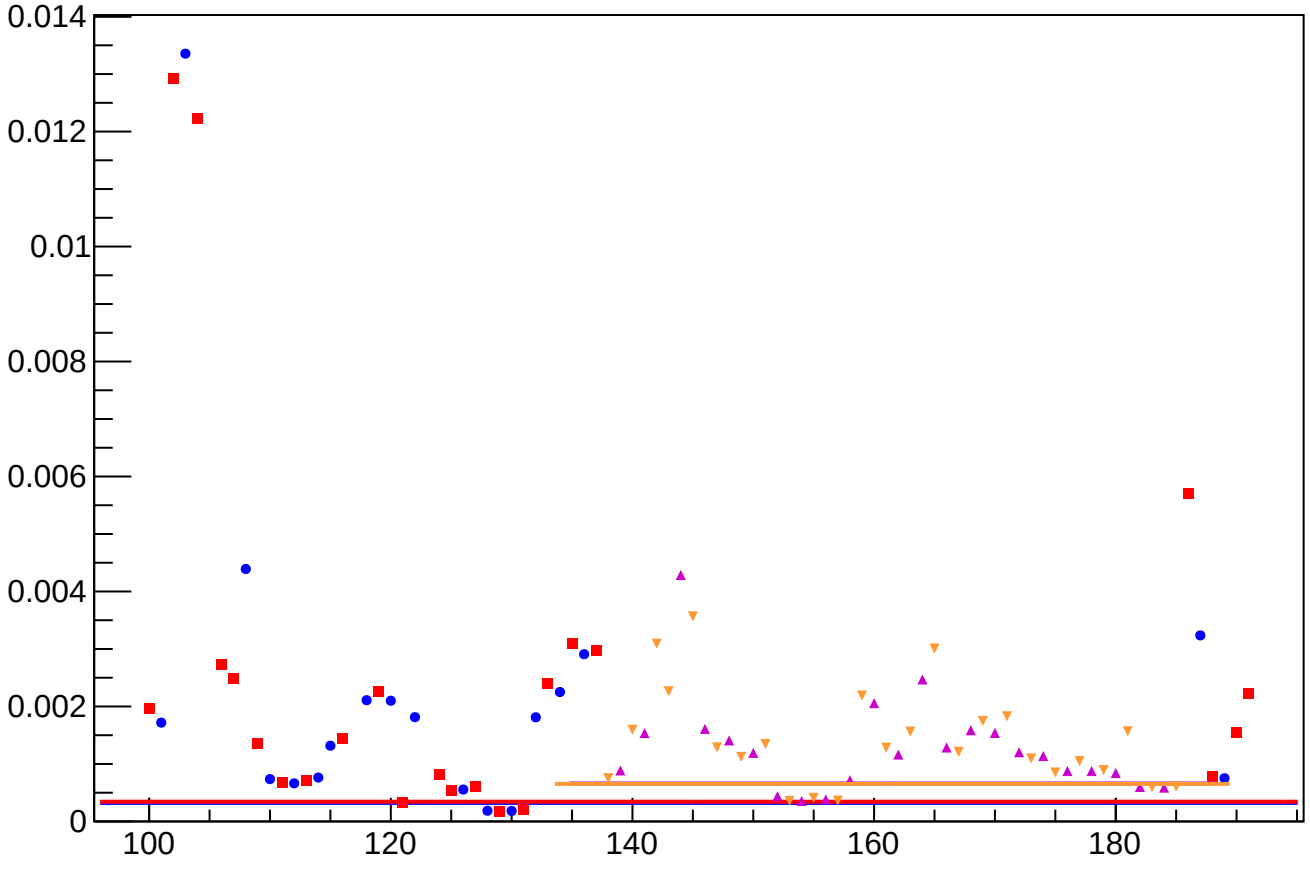
Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 68.9/42

All: 0.000+/-0.000 χ^2/NDF: 111.7/88

- sign -0.000+/-0.000 χ^2/NDF: 41.5/45

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

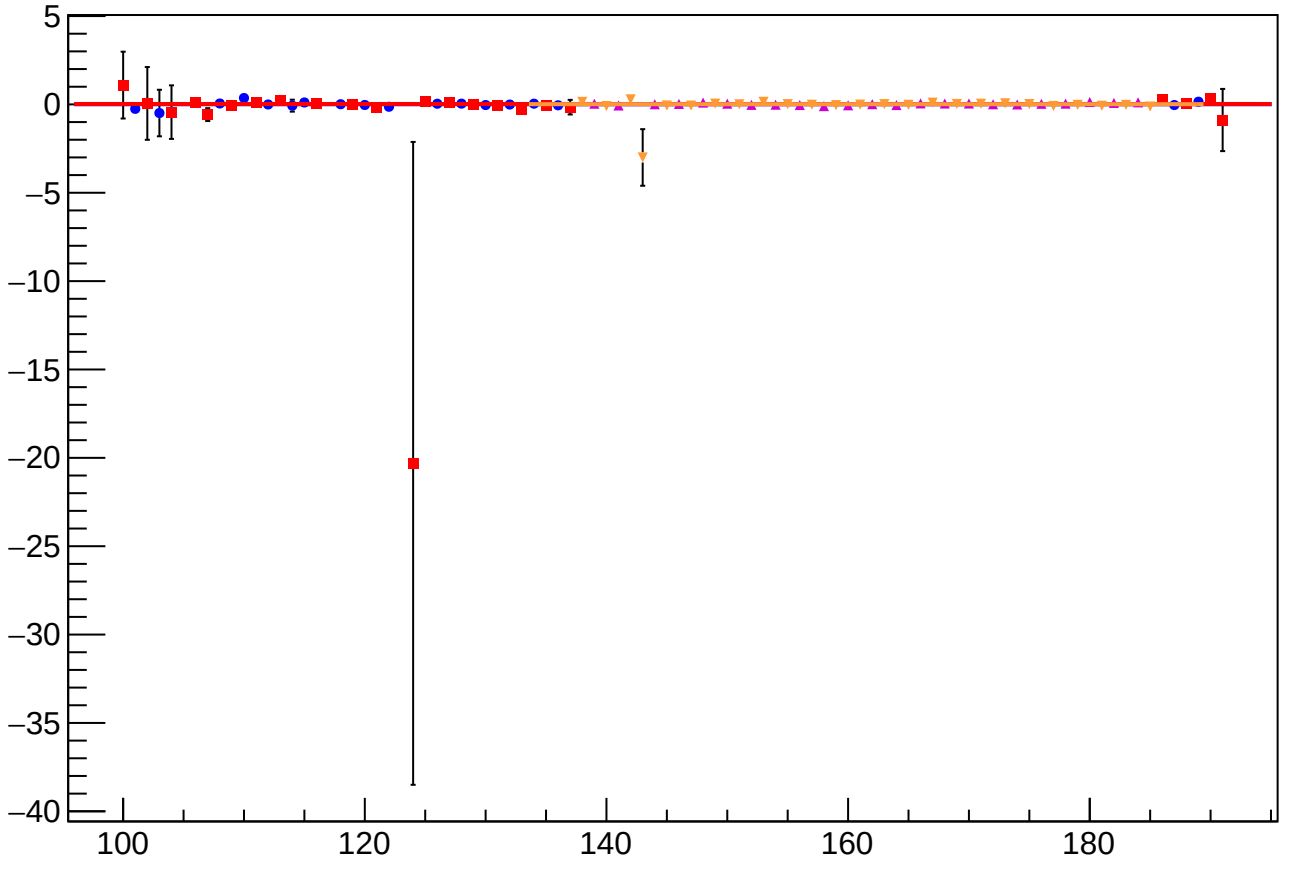
Right Out: 0.000+/-0.000 χ^2/NDF: 9862065.3/22

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: 46981608.0/88

- sign 0.001+/-0.000 χ^2/NDF: 22391951.7/45



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: 0.024+/-0.025 χ^2/NDF: 22.3/22

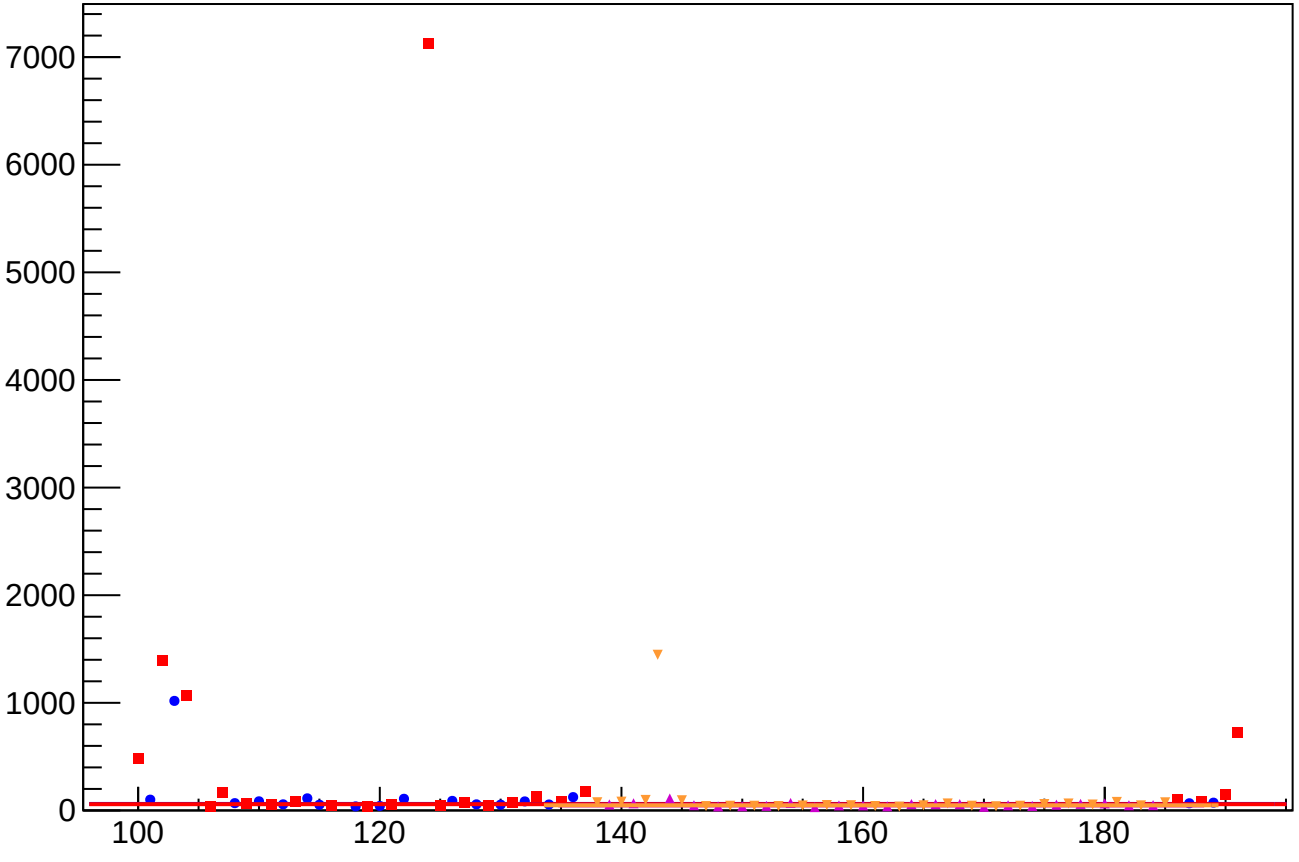
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.011+/-0.011 χ^2/NDF: 42.2/42

All: 0.015+/-0.008 χ^2/NDF: 85.1/88

- sign 0.019+/-0.011 χ^2/NDF: 42.6/45

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

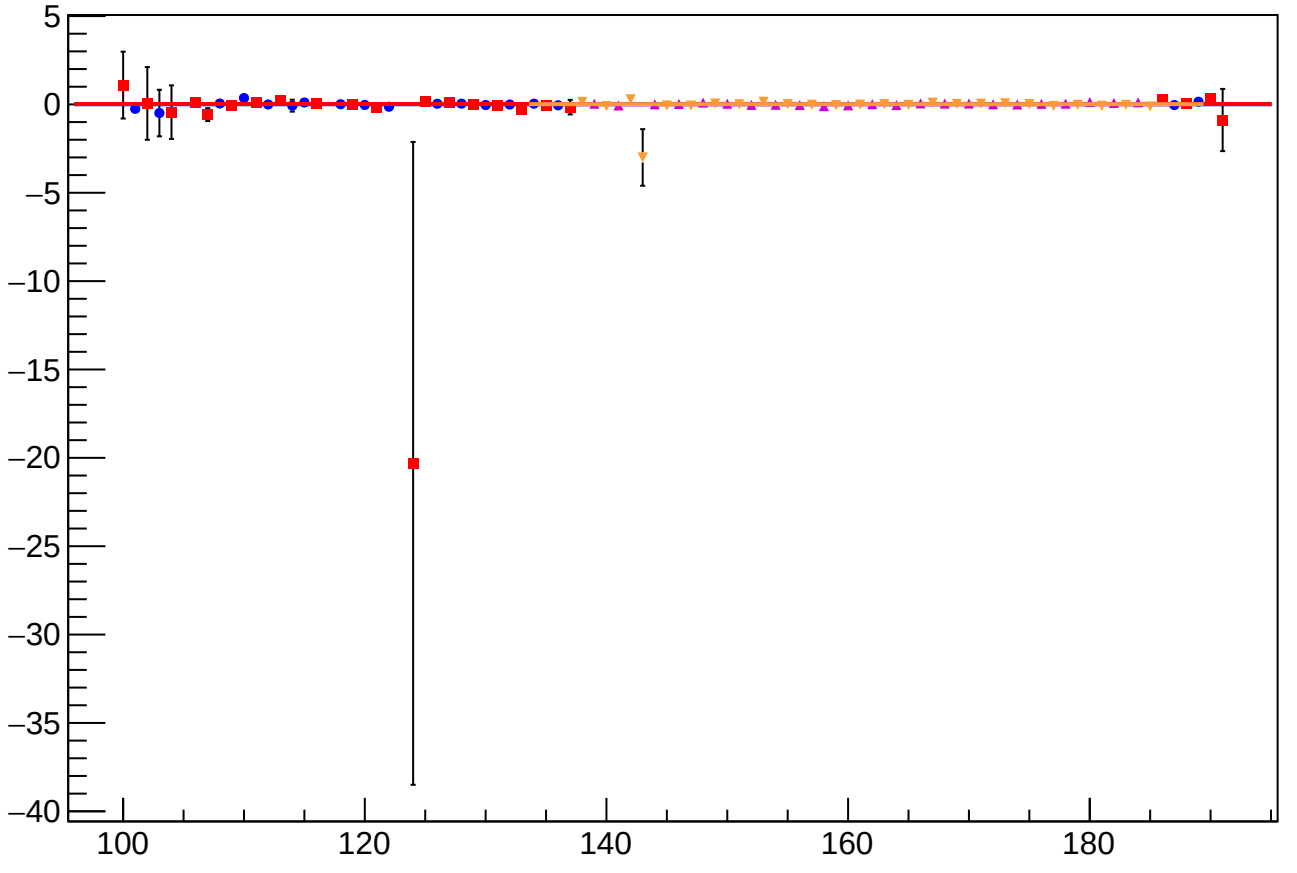
Right Out: 58.264+/-0.017 χ^2/NDF: 4359978.7/22

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

+ sign 50.255+/-0.008 χ^2/NDF: 6436080.1/42

All: 49.653+/-0.006 χ^2/NDF: 13107054.9/88

- sign 49.077+/-0.008 χ^2/NDF: 6659685.3/45



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: 0.024+/-0.025 χ^2/NDF: 22.3/22

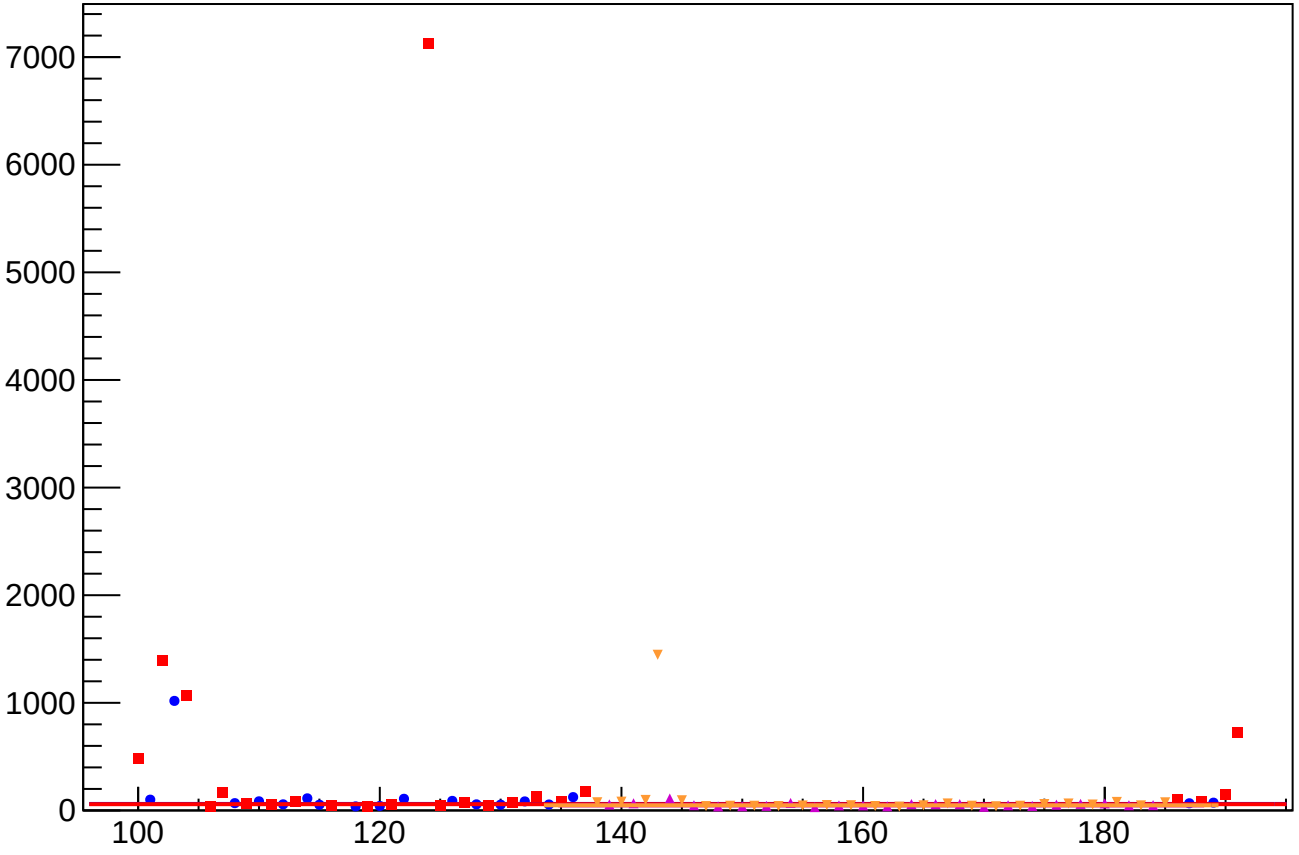
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.011+/-0.011 χ^2/NDF: 42.2/42

All: 0.015+/-0.008 χ^2/NDF: 85.1/88

- sign 0.019+/-0.011 χ^2/NDF: 42.6/45

asym_at1_avg_eigen_dit_vs_eigen_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

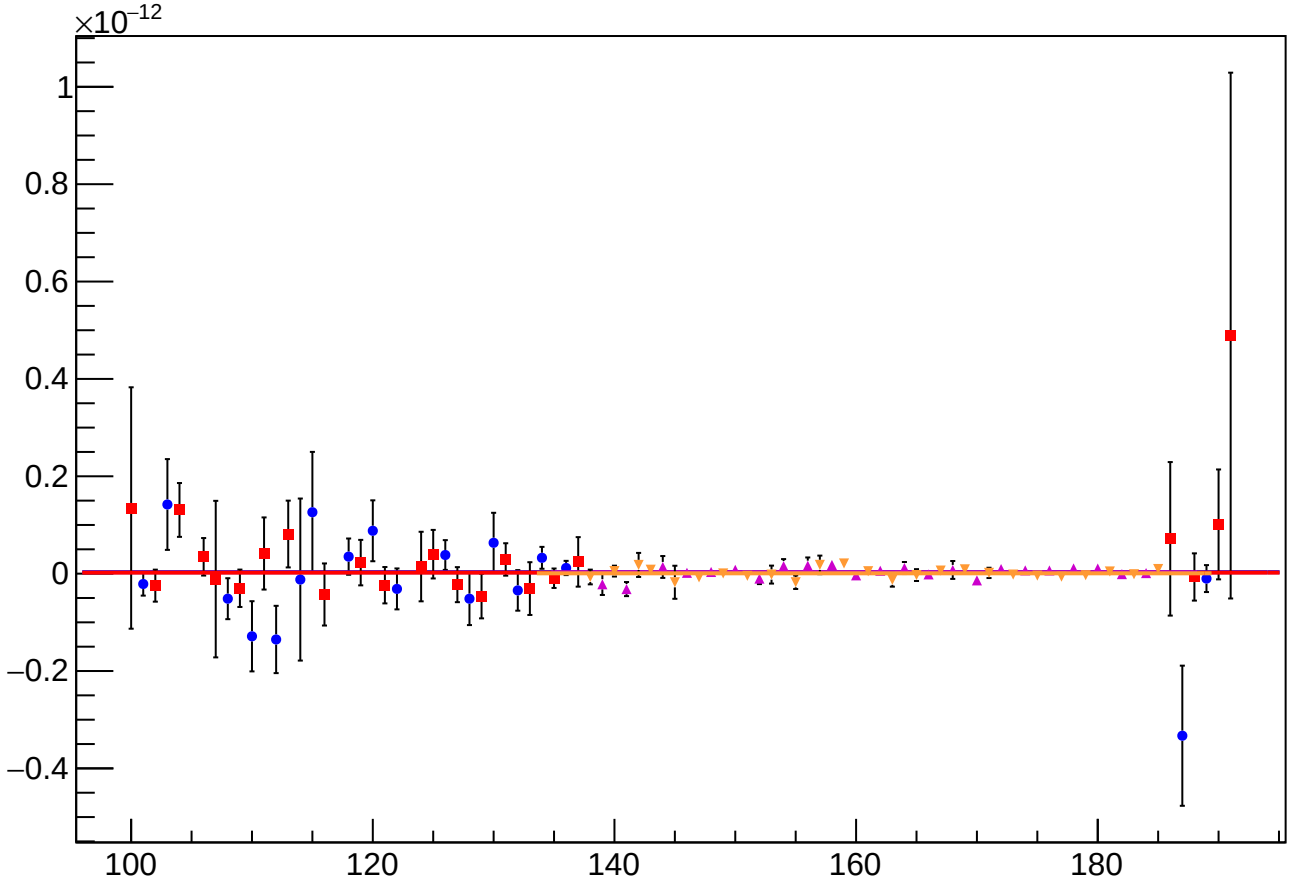
Right Out: 58.264+/-0.017 χ^2/NDF: 4359978.7/22

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

+ sign 50.255+/-0.008 χ^2/NDF: 6436080.1/42

All: 49.653+/-0.006 χ^2/NDF: 13107054.9/88

- sign 49.077+/-0.008 χ^2/NDF: 6659685.3/45



Right In: 0.000+/-0.000 χ^2/NDF: 28.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/24

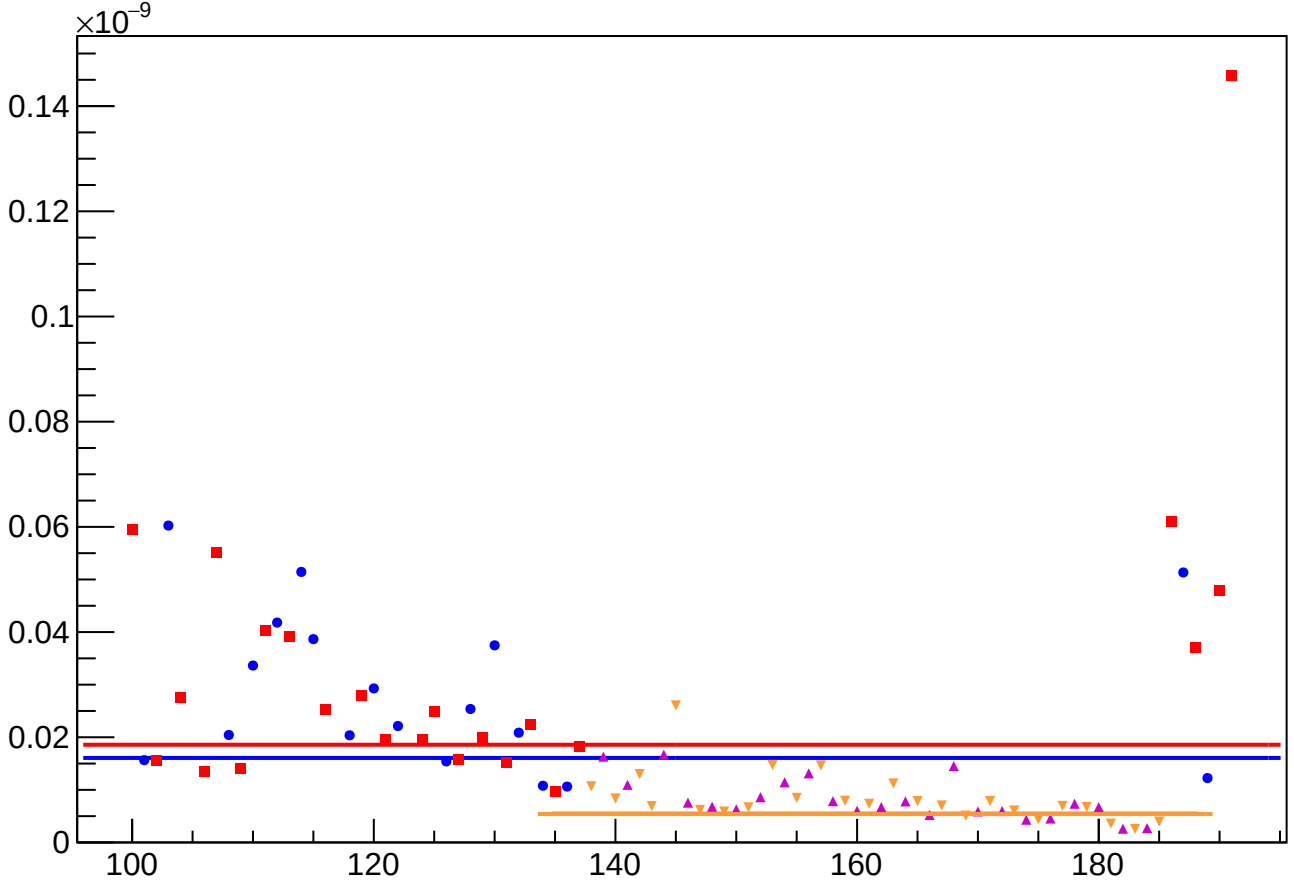
Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/22

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: 82.0/88

- sign 0.000+/-0.000 χ^2/NDF: 37.9/45



Right In: 0.000+/-0.000 χ^2/NDF: 2054895.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:5134602.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1907151.8/22

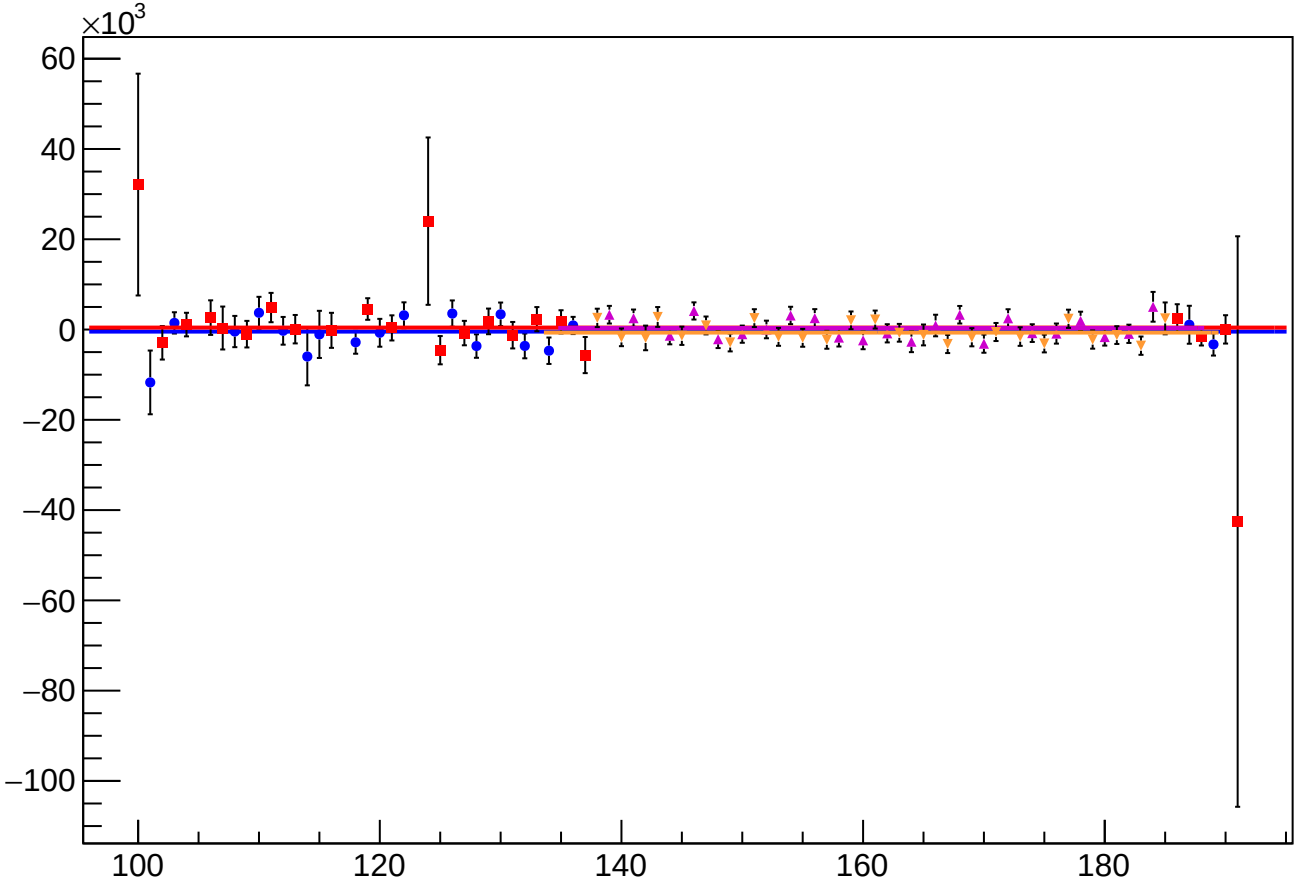
Left In: 0.000+/-0.000 χ^2/NDF:4905821.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 10401619.0/42

All: 0.000+/-0.000 χ^2/NDF: 20878427.8/88

- sign 0.000+/-0.000 χ^2/NDF: 10475746.2/45

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: 433.714+/-656.774 χ^2/NDF: 18.0/22

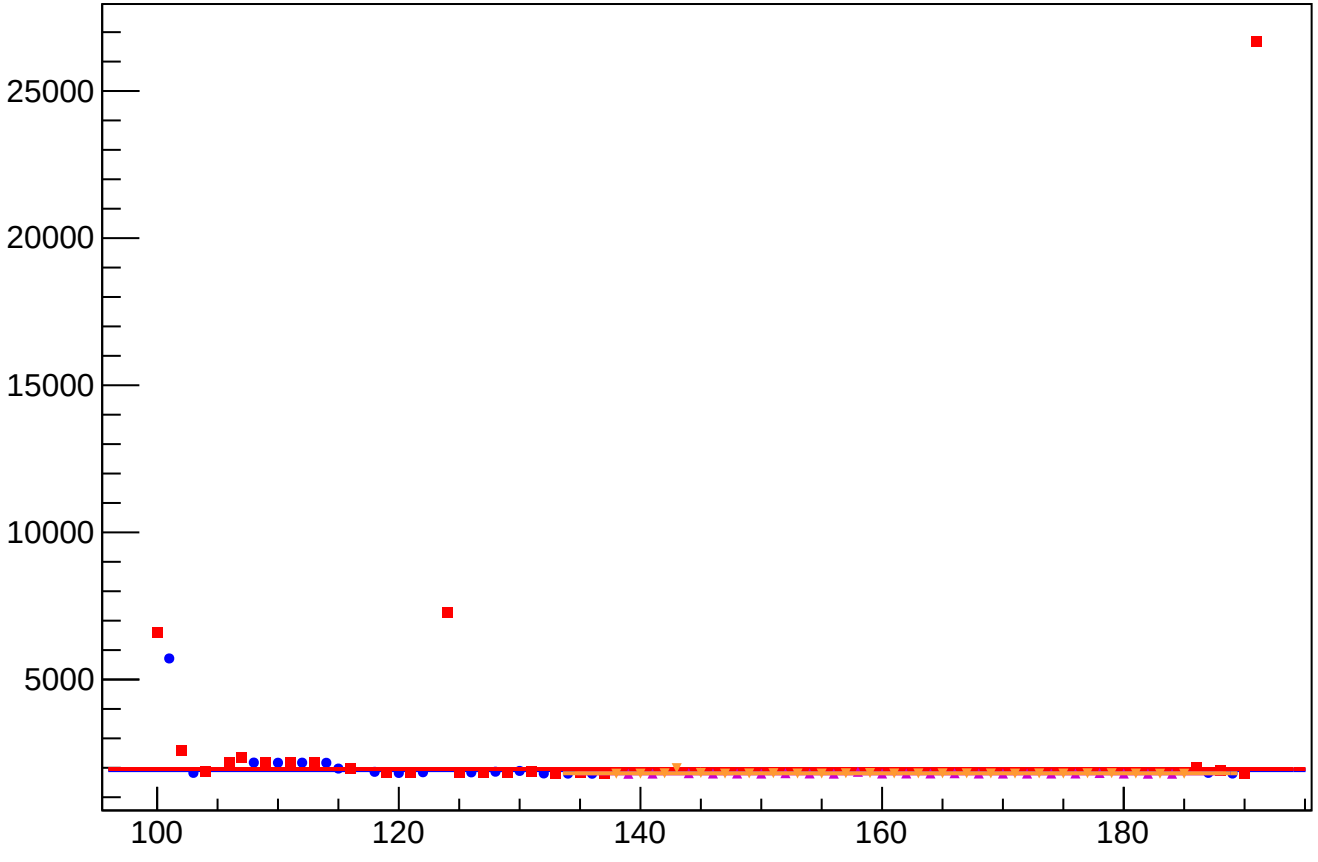
Left In: 342.945+/-422.712 χ^2/NDF:30.1/22

+ sign -613.948+/-354.543 χ^2/NDF: 43.6/42

All: -123.469+/-251.021 χ^2/NDF: 95.5/88

- sign 369.532+/-355.453 χ^2/NDF: 48.1/45

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: 1958.825+/-0.464 χ^2/NDF: 694272.2/22

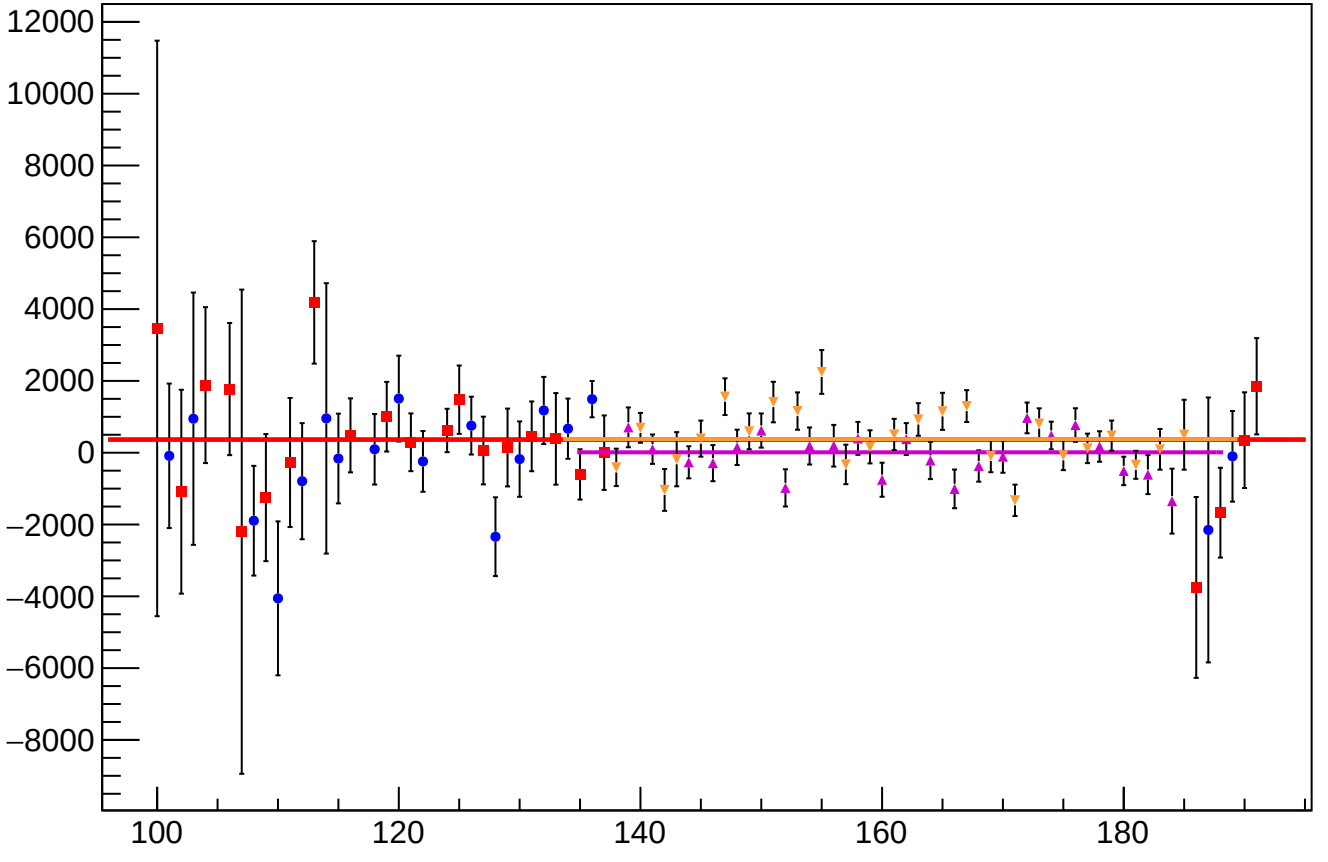
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1842.189+/-0.251 χ^2/NDF: 693918.0/42

All: 1848.037+/-0.177 χ^2/NDF: 1463417.9/88

- sign 1853.916+/-0.251 χ^2/NDF: 768408.7/45

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: 358.517+/-238.633 χ^2/NDF: 18.3/22

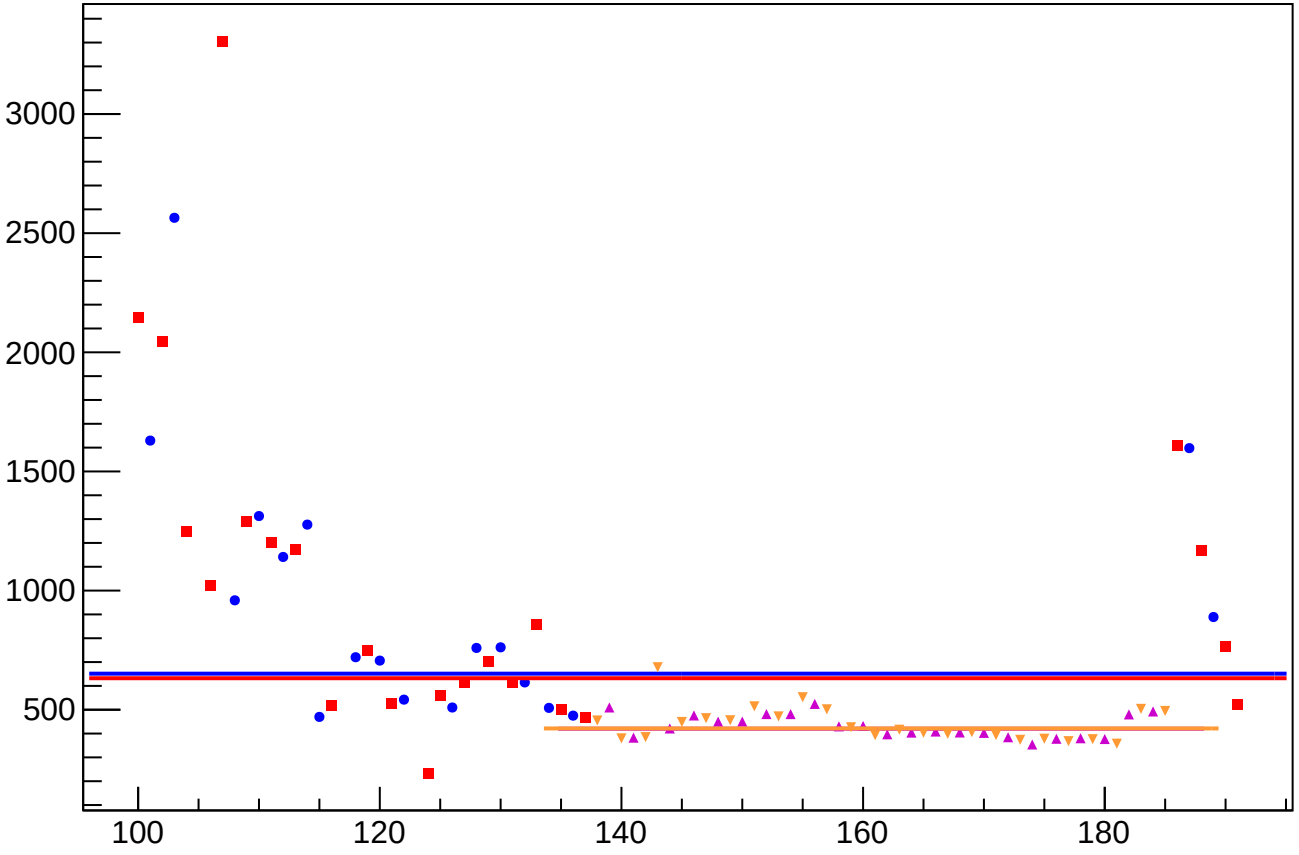
Left In: 11.527+/-98.976 χ^2/NDF:31.1/22

+ sign 378.209+/-90.569 χ^2/NDF: 84.1/42

All: 221.818+/-64.342 χ^2/NDF: 141.4/88

- sign 62.458+/-91.424 χ^2/NDF: 51.3/45

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: 632.179+/-0.169 χ^2/NDF: 3677416.8/22

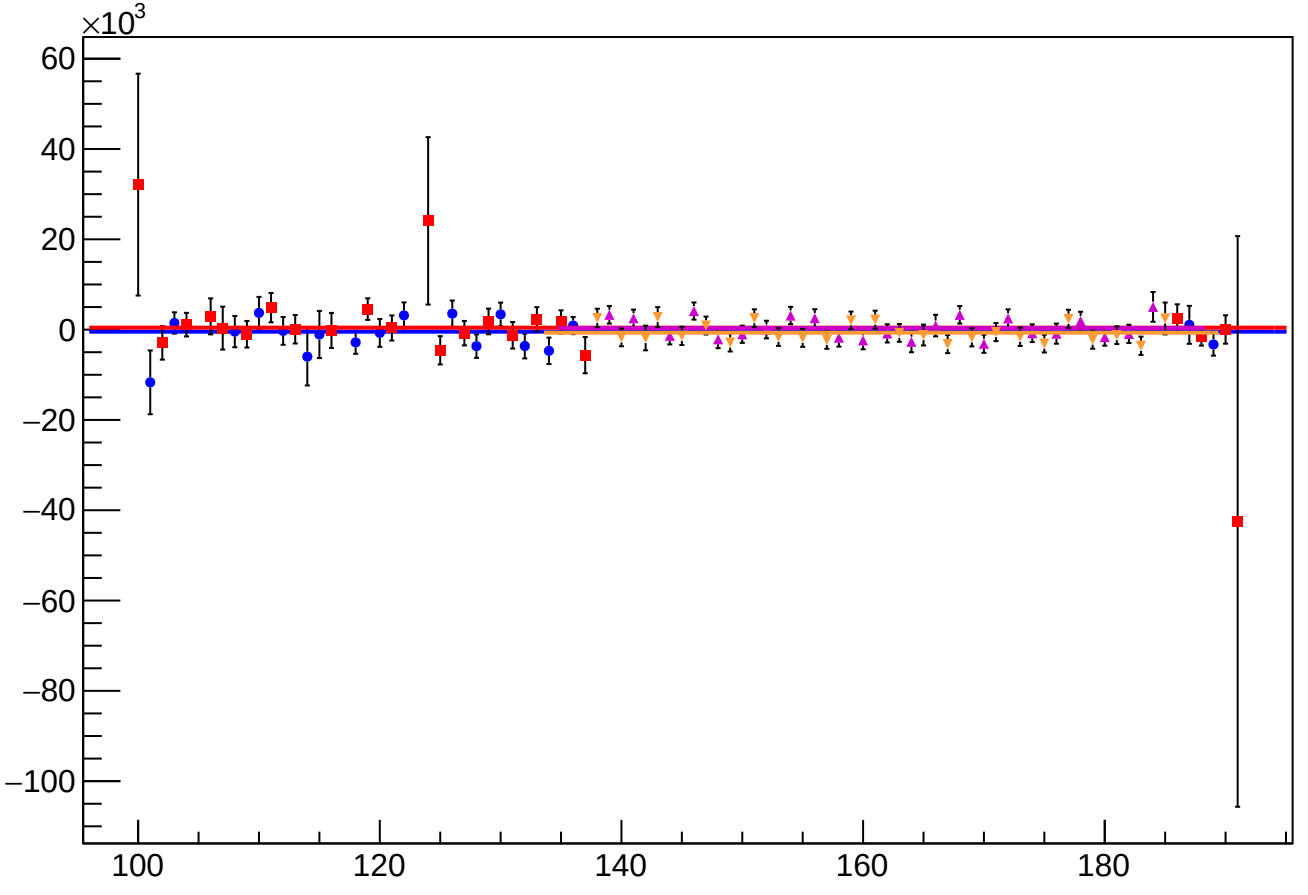
Left In: 420.222+/-0.070 χ^2/NDF:413129.7/22

+ sign 450.947+/-0.064 χ^2/NDF: 4461784.9/42

All: 451.138+/-0.045 χ^2/NDF: 9898598.9/88

- sign 451.333+/-0.065 χ^2/NDF: 5436796.1/45

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: 437.002+/-657.537 χ^2/NDF: 18.0/22

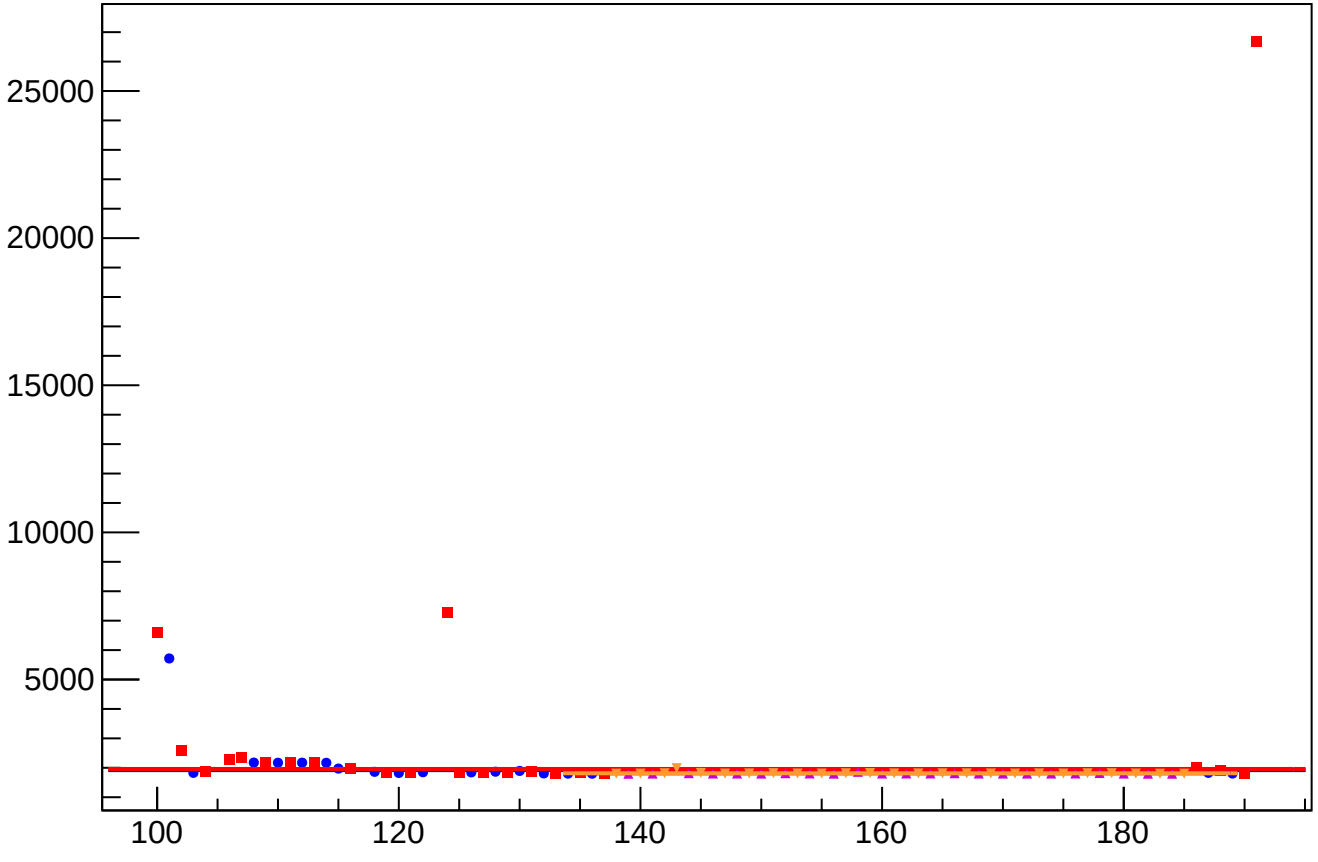
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

+ sign -613.753+/-354.543 χ^2/NDF: 43.6/42

All: -123.065+/-251.063 χ^2/NDF: 95.5/88

- sign 370.481+/-355.574 χ^2/NDF: 48.1/45

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: 1960.516+/-0.465 χ^2/NDF: 699237.4/22

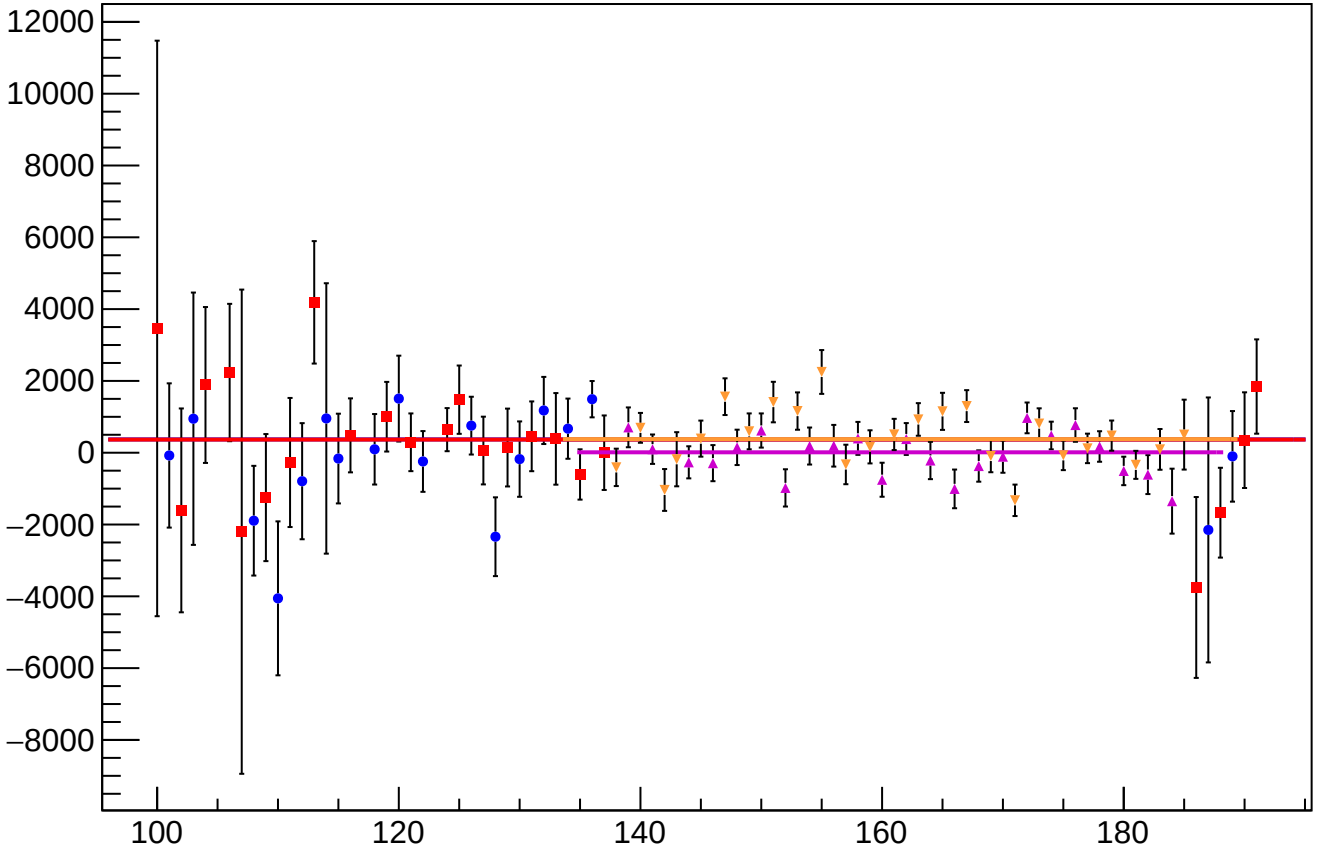
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1842.189+/-0.251 χ^2/NDF: 693917.8/42

All: 1848.246+/-0.178 χ^2/NDF: 1469996.7/88

- sign 1854.339+/-0.251 χ^2/NDF: 774907.8/45

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: 366.237+/-238.347 χ^2/NDF: 19.0/22

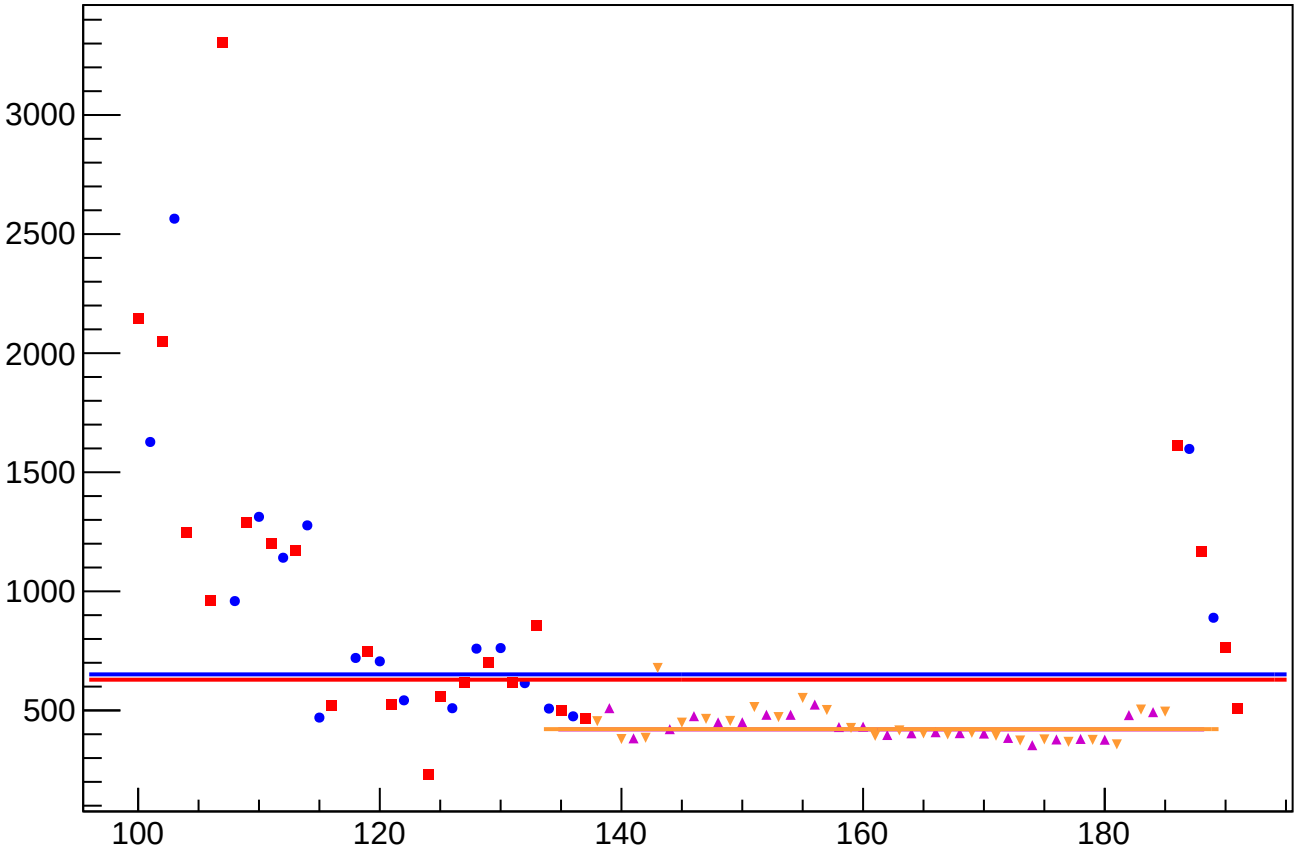
Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

+ sign 378.208+/-90.569 χ^2/NDF: 84.1/42

All: 222.407+/-64.336 χ^2/NDF: 142.1/88

- sign 63.707+/-91.407 χ^2/NDF: 52.0/45

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: 629.047+/-0.169 χ^2/NDF: 3673943.4/22

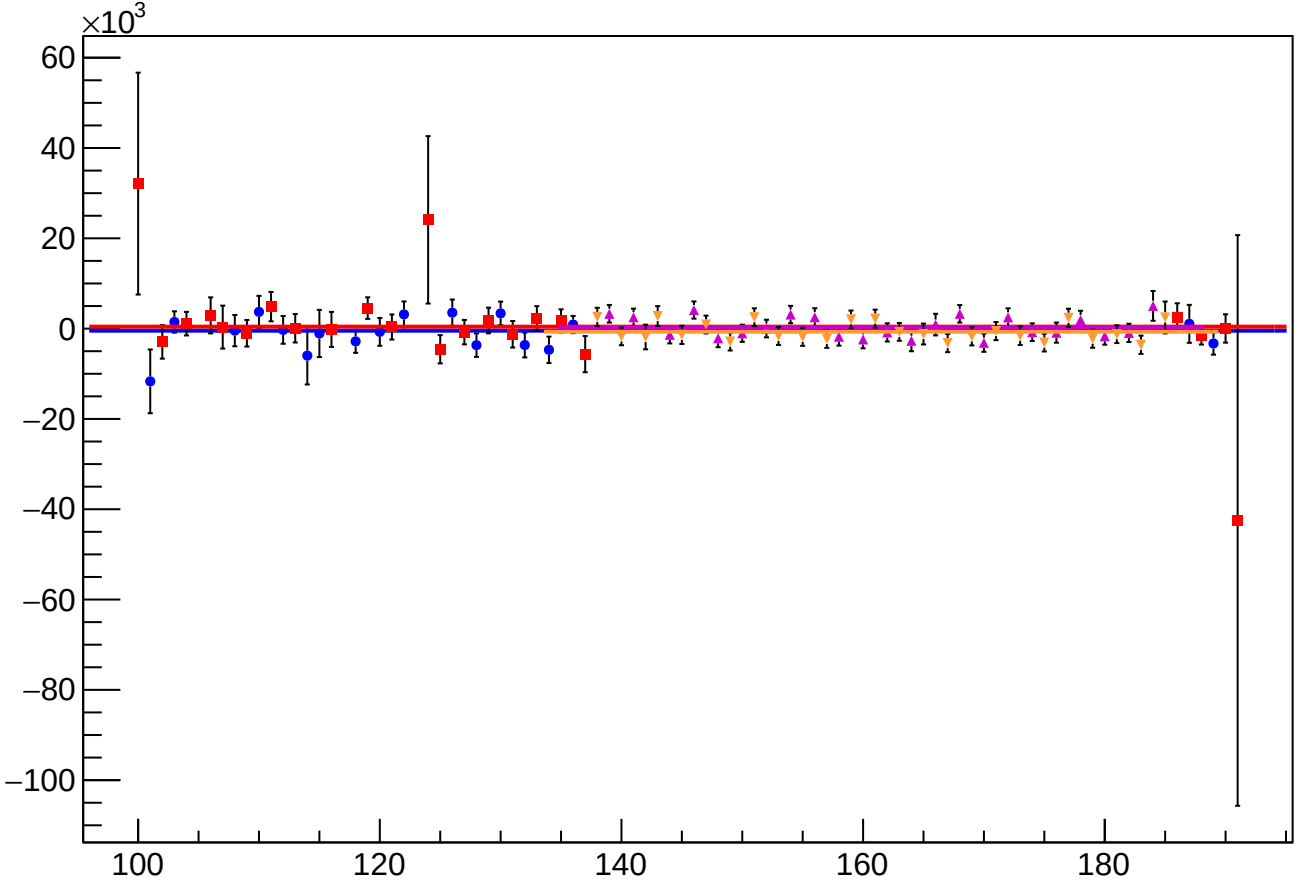
Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 450.952+/-0.064 χ^2/NDF: 4460891.3/42

All: 450.942+/-0.045 χ^2/NDF: 9857502.3/88

- sign 450.932+/-0.065 χ^2/NDF: 5396610.9/45

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: 437.002+/-657.537 χ^2/NDF: 18.0/22

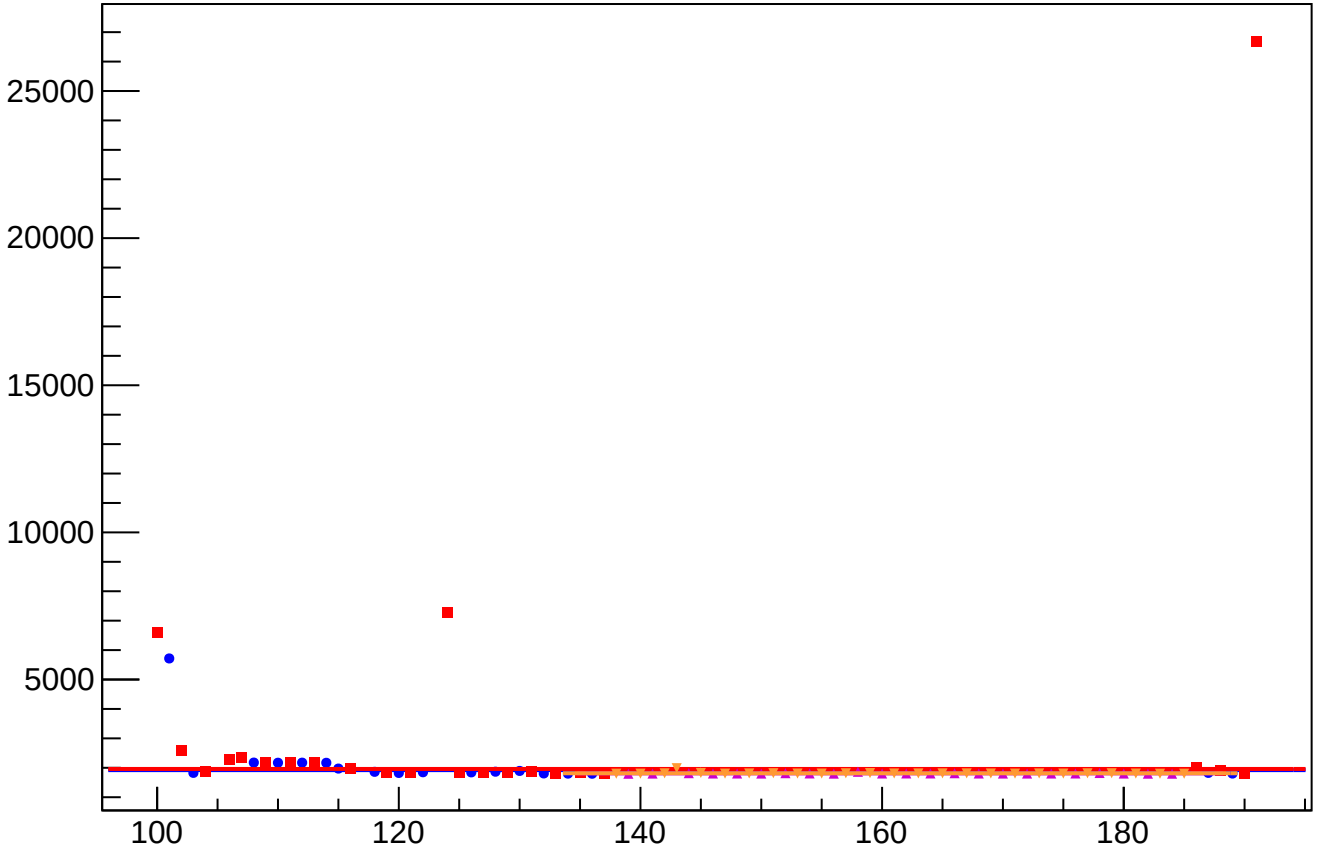
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

+ sign -613.753+/-354.543 χ^2/NDF: 43.6/42

All: -123.065+/-251.063 χ^2/NDF: 95.5/88

- sign 370.481+/-355.574 χ^2/NDF: 48.1/45

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: 1960.516+/-0.465 χ^2/NDF: 699237.4/22

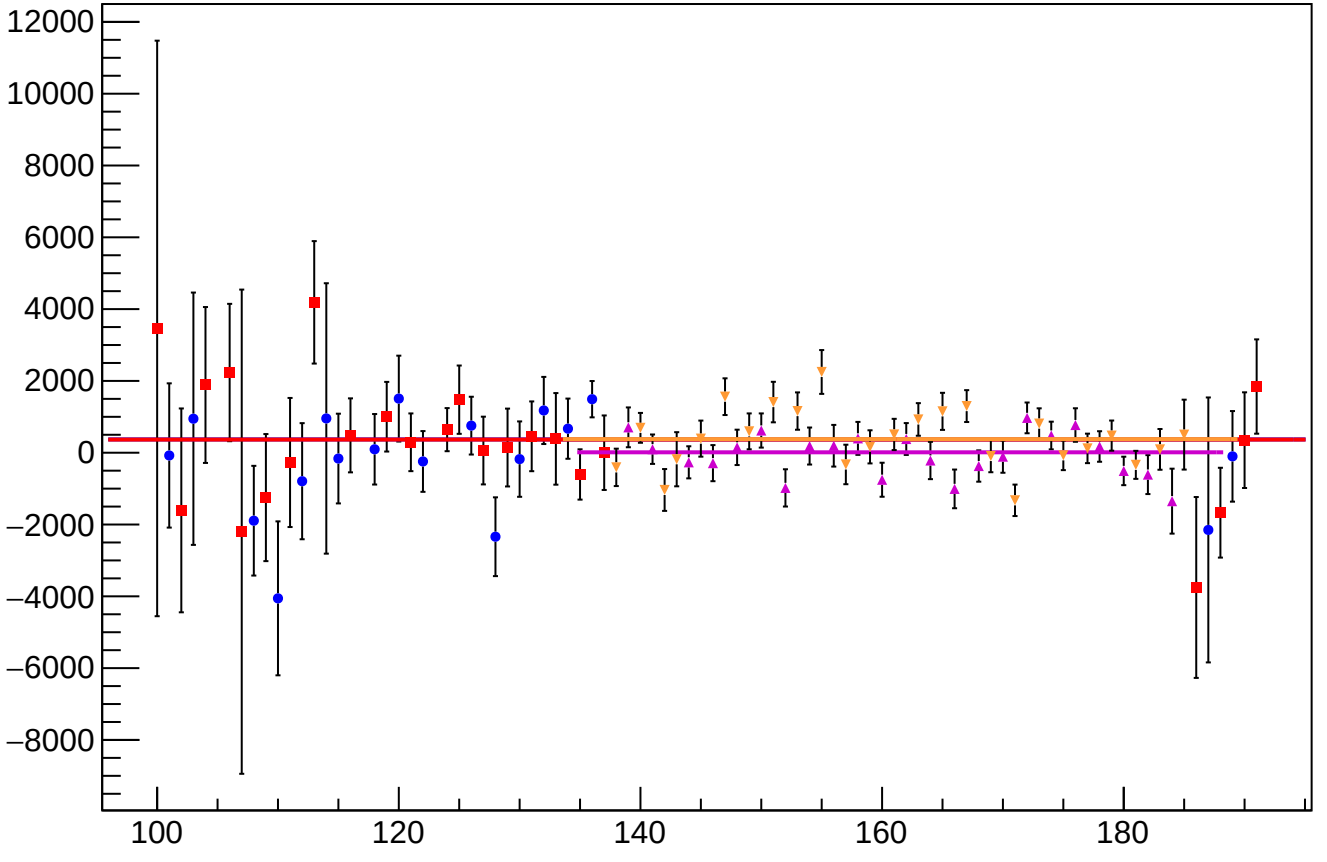
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1842.189+/-0.251 χ^2/NDF: 693917.8/42

All: 1848.246+/-0.178 χ^2/NDF: 1469996.7/88

- sign 1854.339+/-0.251 χ^2/NDF: 774907.8/45

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: 366.237+/-238.347 χ^2/NDF: 19.0/22

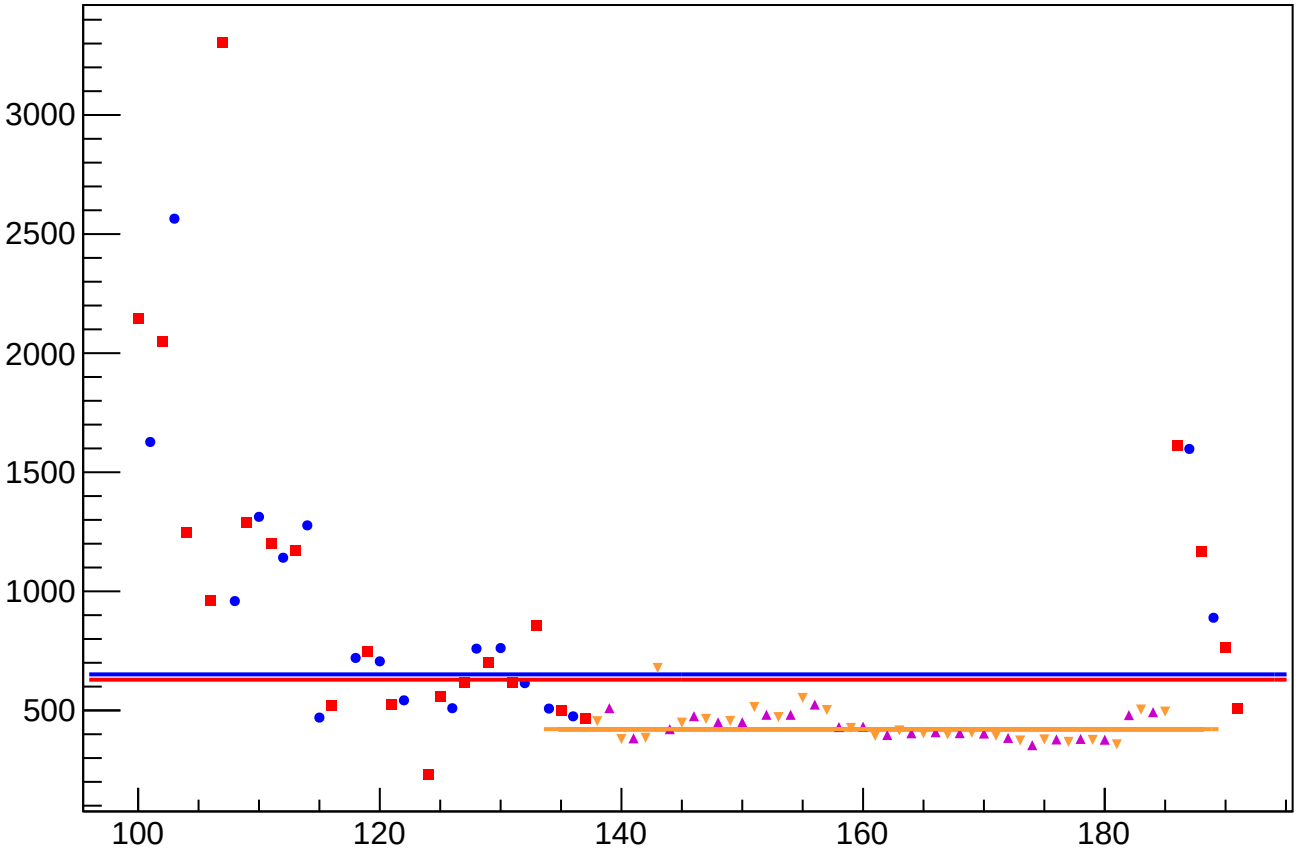
Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

+ sign 378.208+/-90.569 χ^2/NDF: 84.1/42

All: 222.407+/-64.336 χ^2/NDF: 142.1/88

- sign 63.707+/-91.407 χ^2/NDF: 52.0/45

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: 629.047+/-0.169 χ^2/NDF: 3673943.4/22

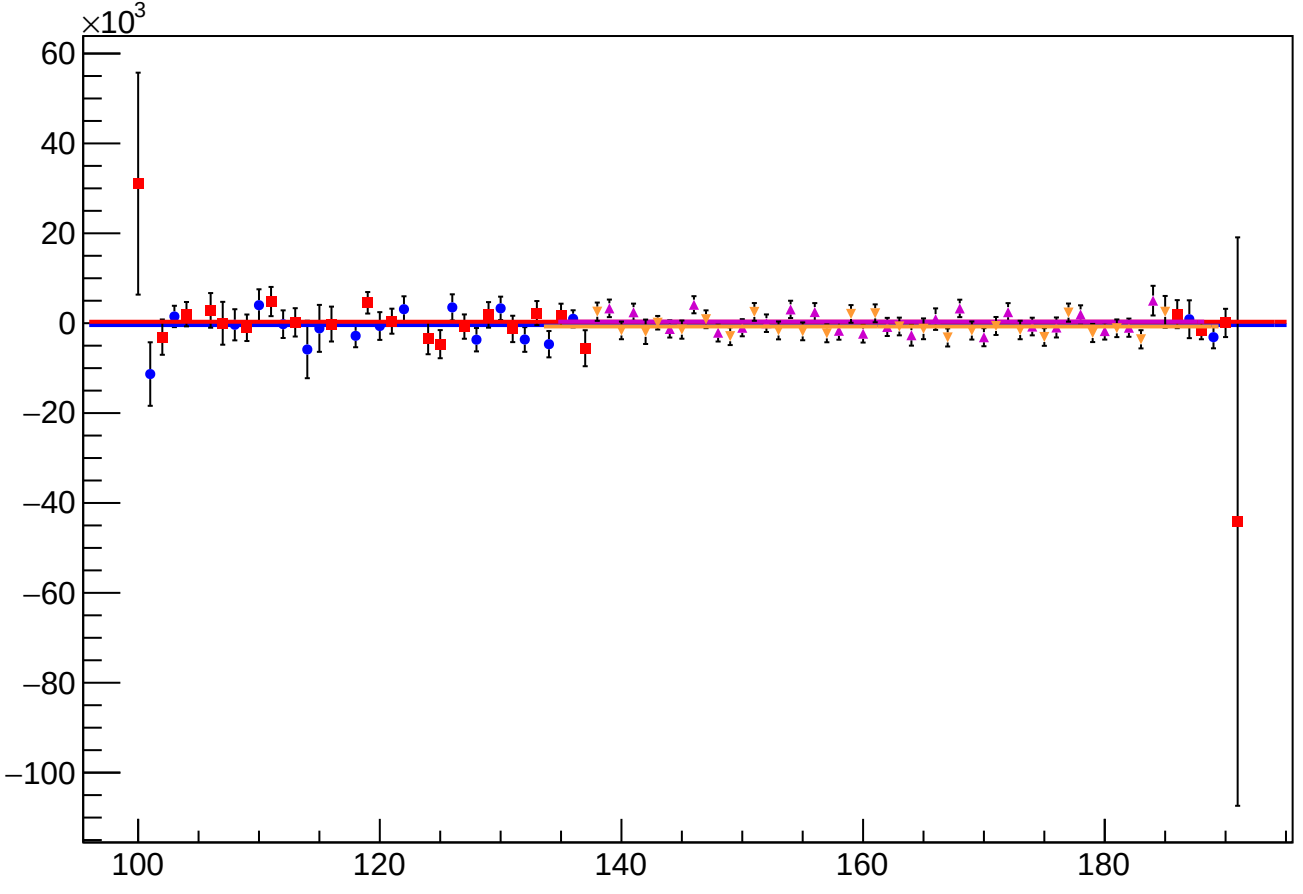
Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 450.952+/-0.064 χ^2/NDF: 4460891.3/42

All: 450.942+/-0.045 χ^2/NDF: 9857502.3/88

- sign 450.932+/-0.065 χ^2/NDF: 5396610.9/45

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: 320.896+/-649.437 χ^2/NDF: 17.5/22

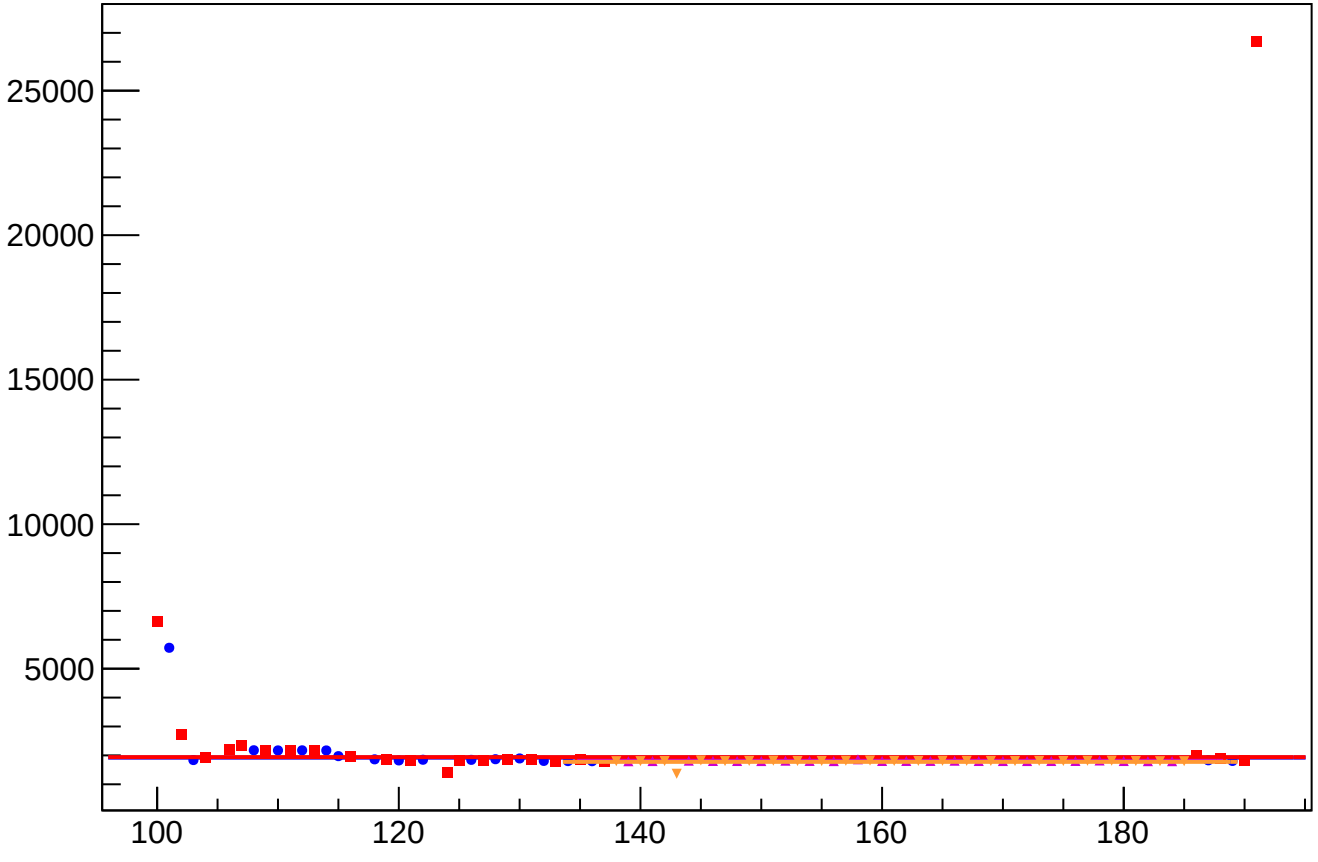
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

+ sign -646.979+/-349.649 χ^2/NDF: 40.8/42

All: -162.478+/-248.889 χ^2/NDF: 91.8/88

- sign 335.171+/-354.362 χ^2/NDF: 47.1/45

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: 1939.755+/-0.459 χ^2/NDF: 590674.7/22

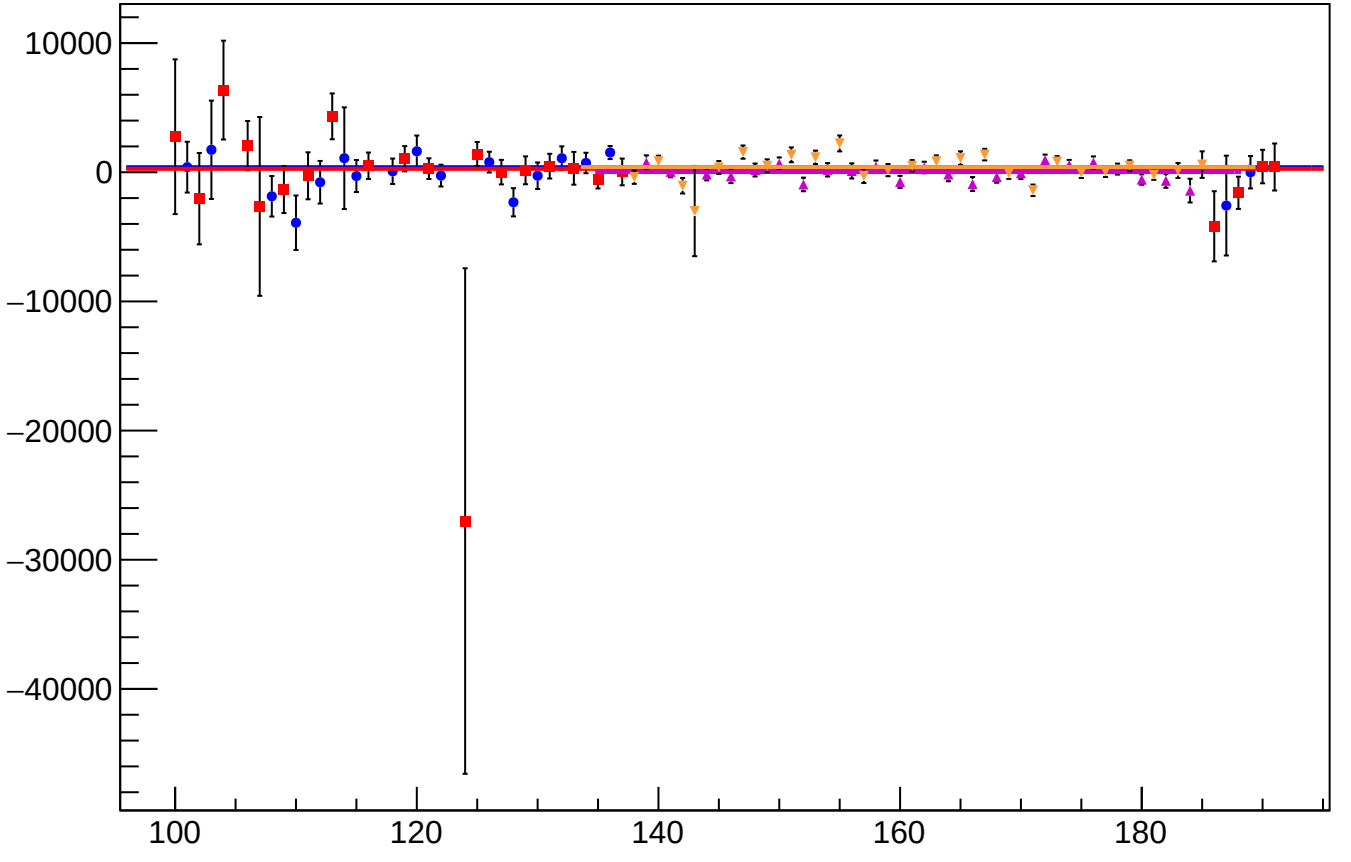
Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

+ sign 1813.656+/-0.247 χ^2/NDF: 873083.9/42

All: 1831.285+/-0.176 χ^2/NDF: 1531165.0/88

- sign 1849.393+/-0.251 χ^2/NDF: 647774.8/45

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: 264.911+/-262.885 χ^2/NDF: 21.0/22

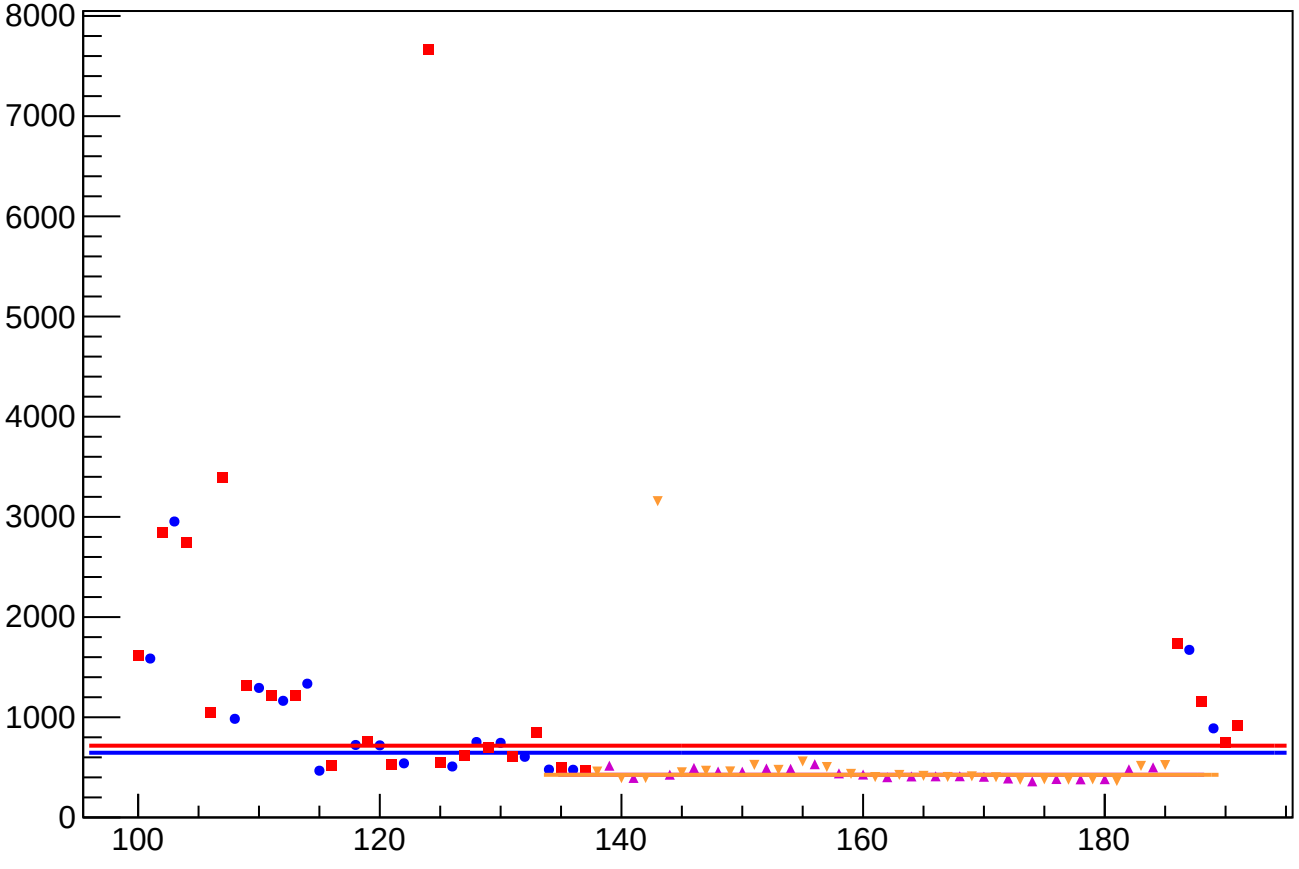
Left In: 21.453+/-100.264 χ^2/NDF:30.8/22

+ sign 397.378+/-92.228 χ^2/NDF: 82.7/42

All: 227.572+/-65.723 χ^2/NDF: 142.2/88

- sign 52.370+/-93.682 χ^2/NDF: 52.6/45

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: 716.360+/-0.186 χ^2/NDF: 3674108.7/22

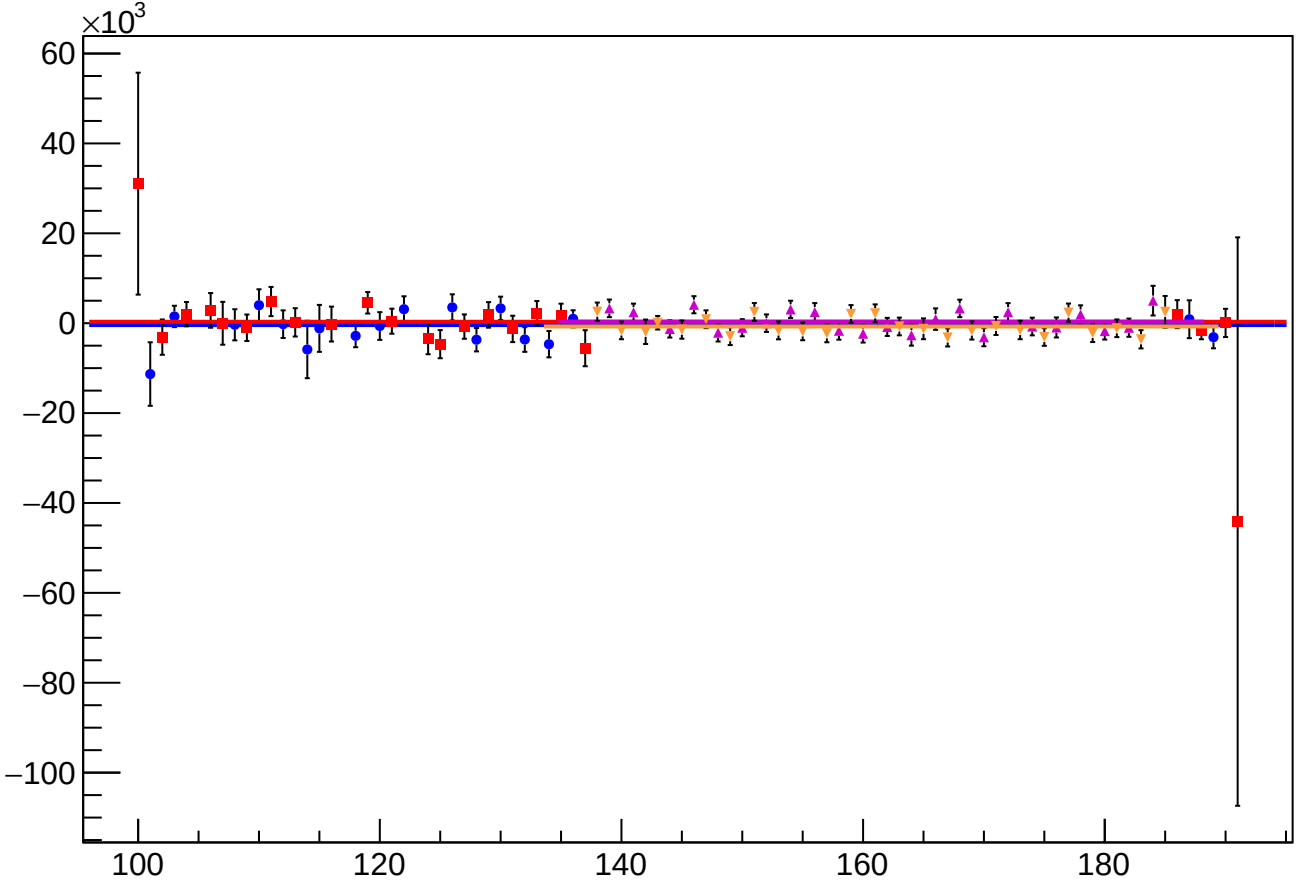
Left In: 426.144+/-0.071 χ^2/NDF:415411.7/22

+ sign 455.425+/-0.065 χ^2/NDF: 5507078.8/42

All: 459.153+/-0.046 χ^2/NDF: 11731183.4/88

- sign 463.000+/-0.066 χ^2/NDF: 6217464.2/45

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: 320.896+/-649.437 χ^2/NDF: 17.5/22

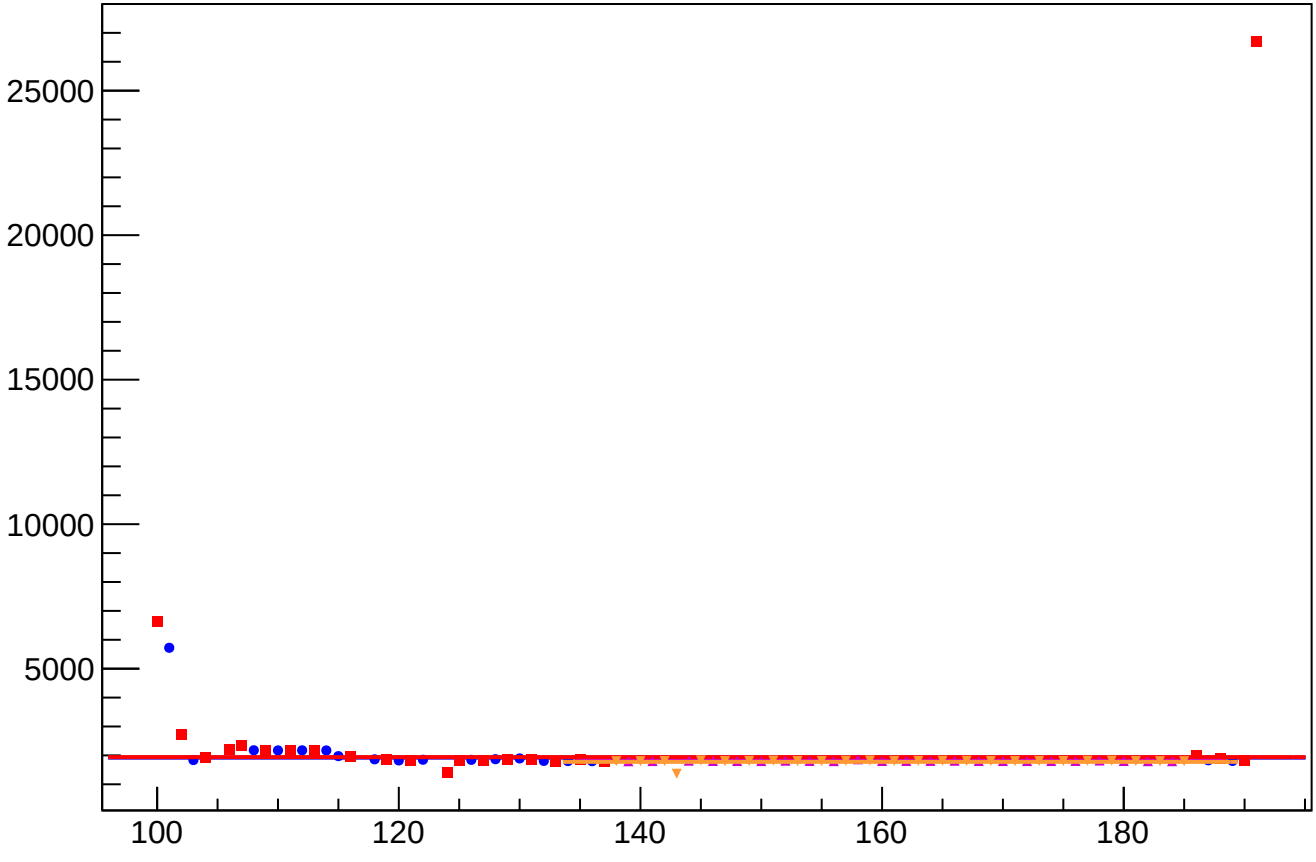
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

+ sign -646.979+/-349.649 χ^2/NDF: 40.8/42

All: -162.478+/-248.889 χ^2/NDF: 91.8/88

- sign 335.171+/-354.362 χ^2/NDF: 47.1/45

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

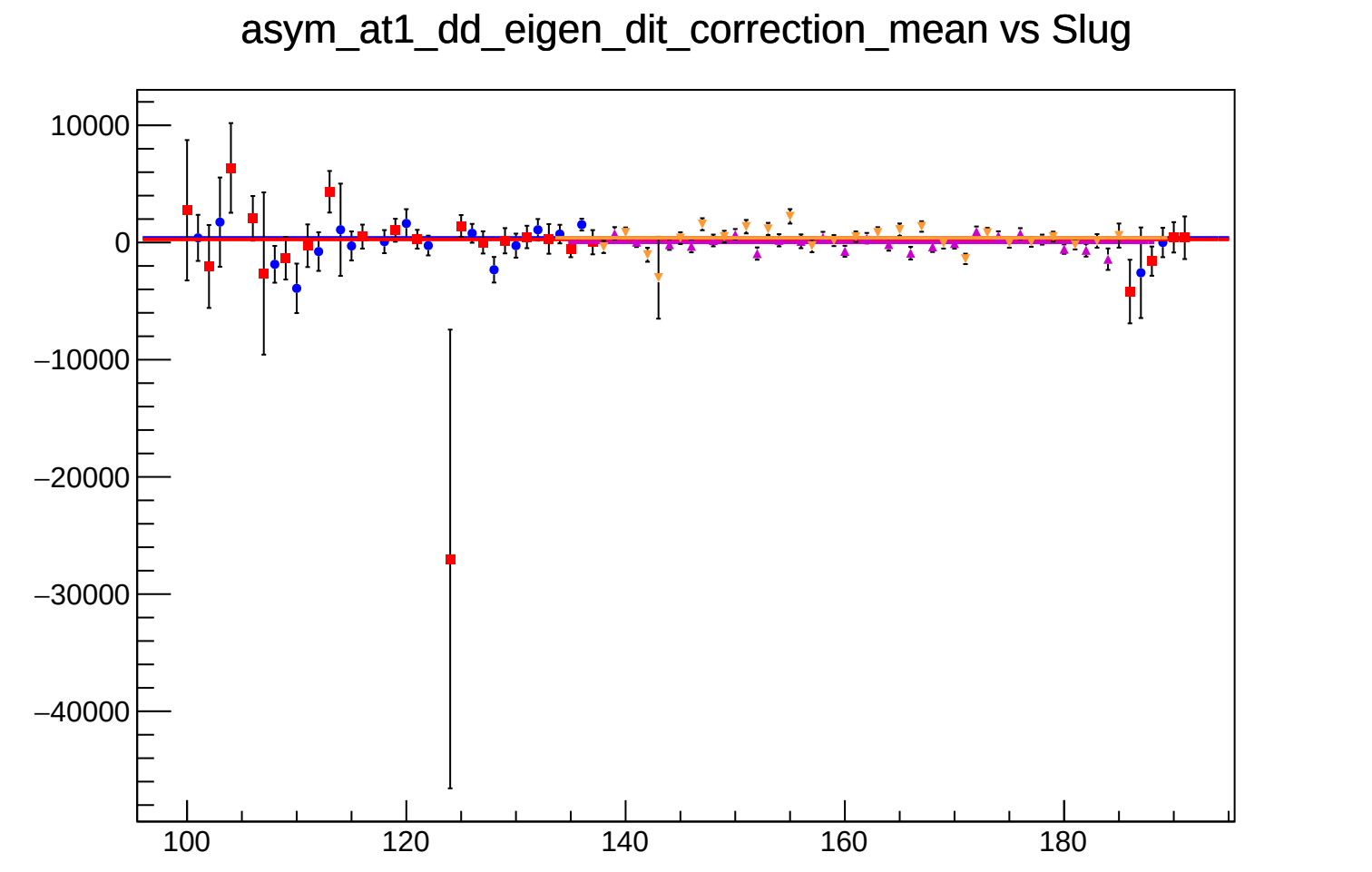
Right Out: 1939.755+/-0.459 χ^2/NDF: 590674.5/22

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

+ sign 1813.656+/-0.247 χ^2/NDF: 873083.9/42

All: 1831.285+/-0.176 χ^2/NDF: 1531164.8/88

- sign 1849.393+/-0.251 χ^2/NDF: 647774.6/45



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: 264.912+/-262.885 χ^2/NDF: 21.0/22

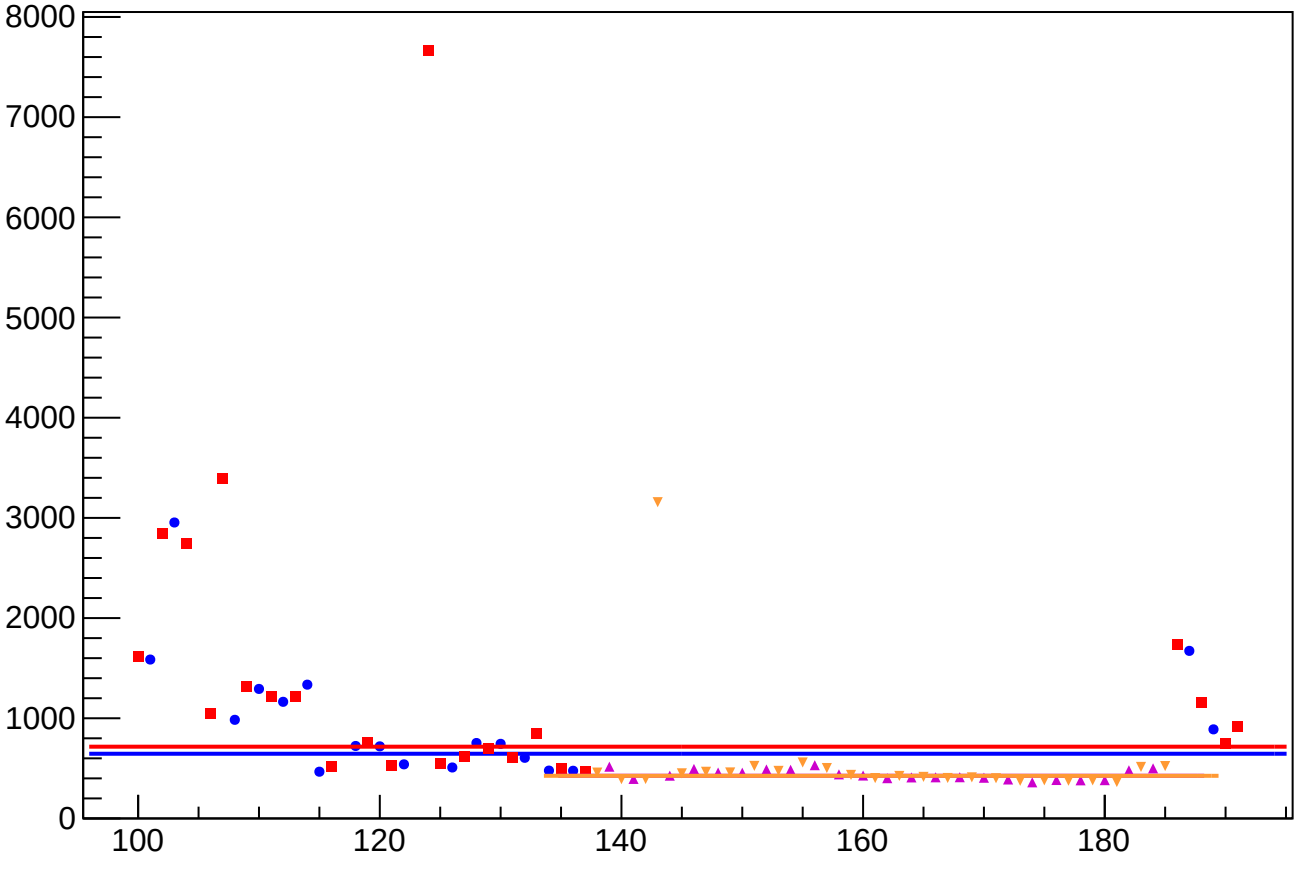
Left In: 21.452+/-100.264 χ^2/NDF:30.8/22

+ sign 397.378+/-92.228 χ^2/NDF: 82.7/42

All: 227.572+/-65.723 χ^2/NDF: 142.2/88

- sign 52.370+/-93.682 χ^2/NDF: 52.6/45

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: 716.360+/-0.186 χ^2/NDF: 3674111.1/22

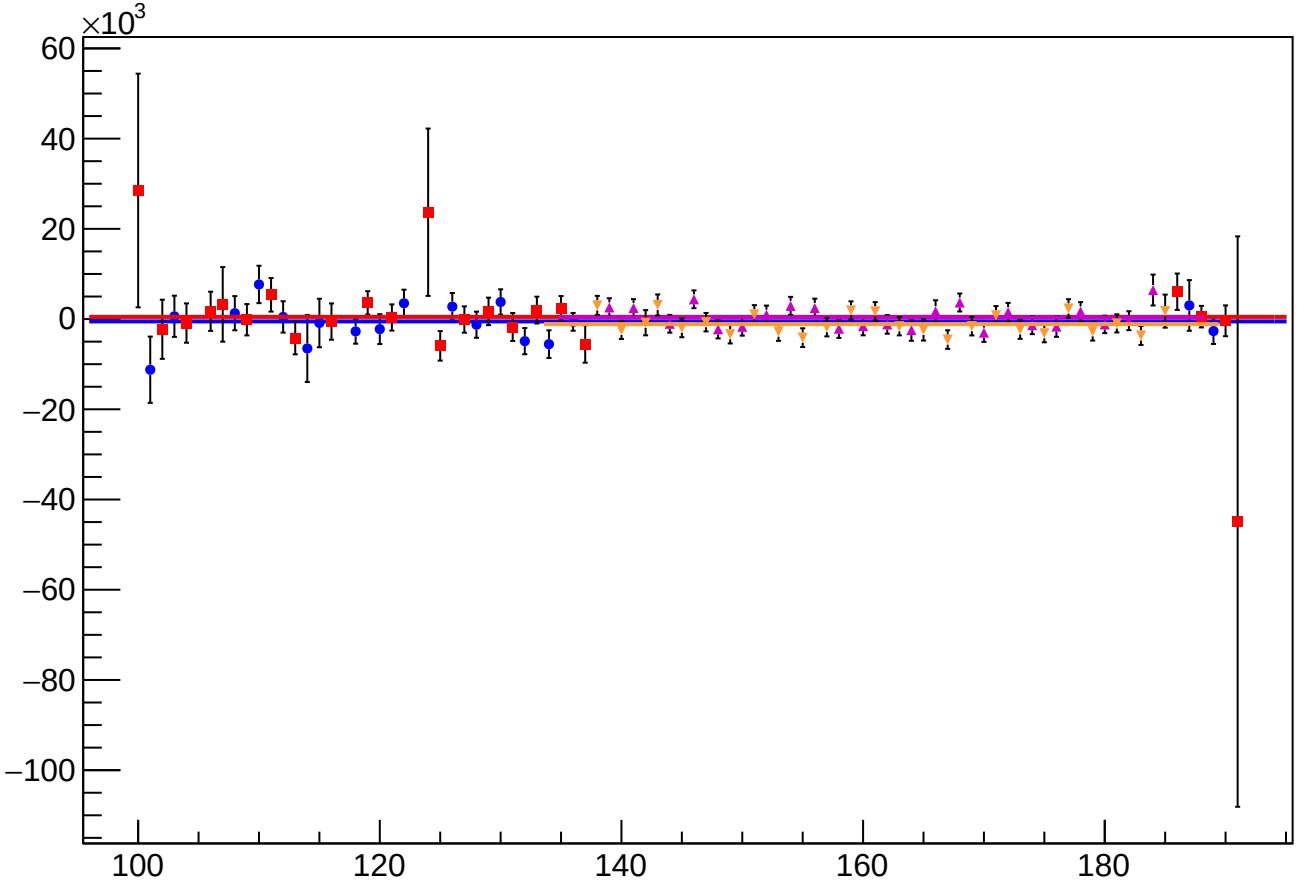
Left In: 426.144+/-0.071 χ^2/NDF:415415.2/22

+ sign 455.424+/-0.065 χ^2/NDF: 5507082.4/42

All: 459.153+/-0.046 χ^2/NDF: 11731193.6/88

- sign 462.999+/-0.066 χ^2/NDF: 6217470.8/45

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: 479.484+/-751.940 χ^2/NDF: 18.2/22

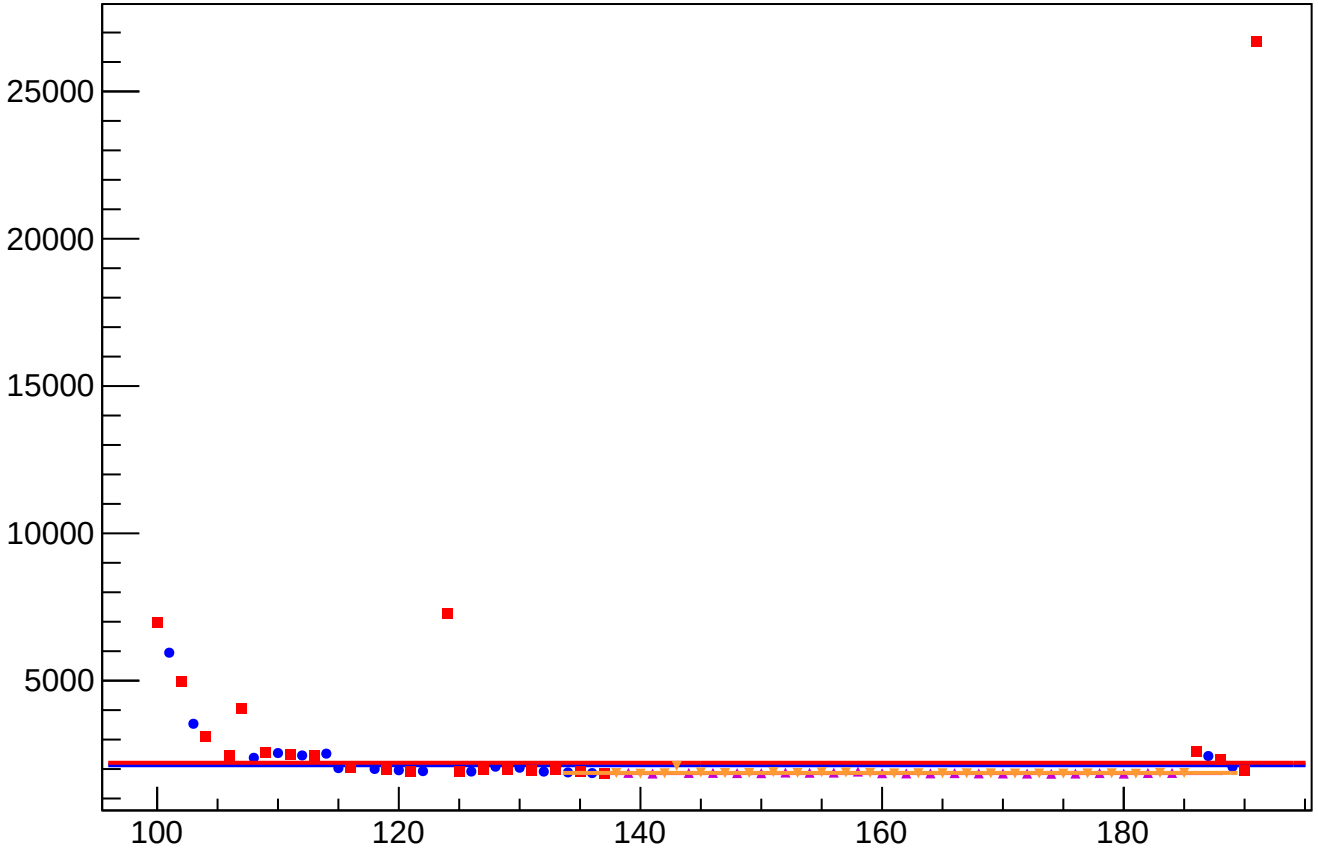
Left In: 346.936+/-434.947 χ^2/NDF:28.8/22

+ sign -970.337+/-372.582 χ^2/NDF: 47.8/42

All: -302.147+/-264.829 χ^2/NDF: 101.2/88

- sign 380.166+/-376.498 χ^2/NDF: 47.0/45

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: 2213.107+/-0.532 χ^2/NDF: 1278955.0/22

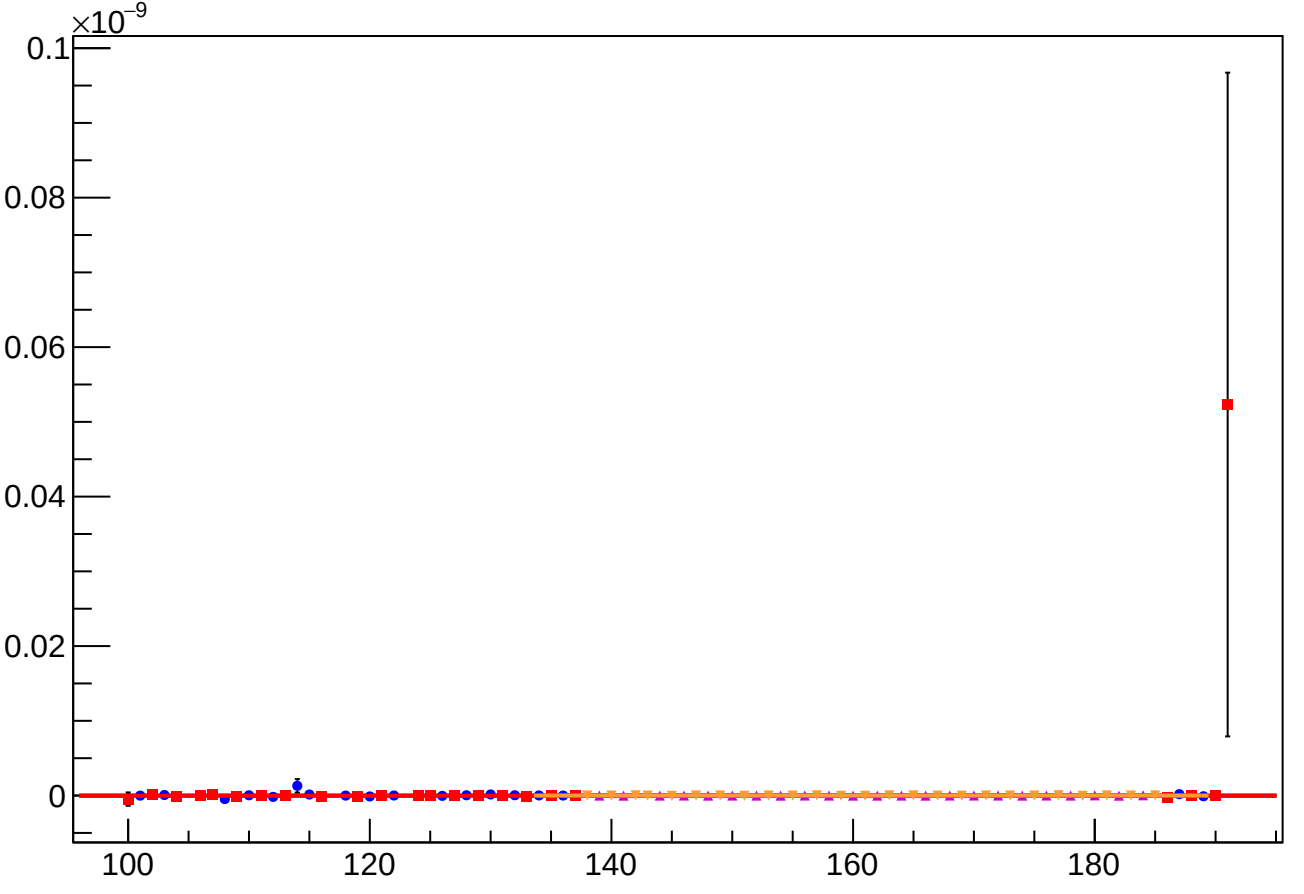
Left In: 1862.828+/-0.308 χ^2/NDF:2714.5/22

+ sign 1928.841+/-0.263 χ^2/NDF: 1078193.0/42

All: 1939.629+/-0.187 χ^2/NDF: 2688449.4/88

- sign 1950.645+/-0.266 χ^2/NDF: 1606867.4/45

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: 14.4/22

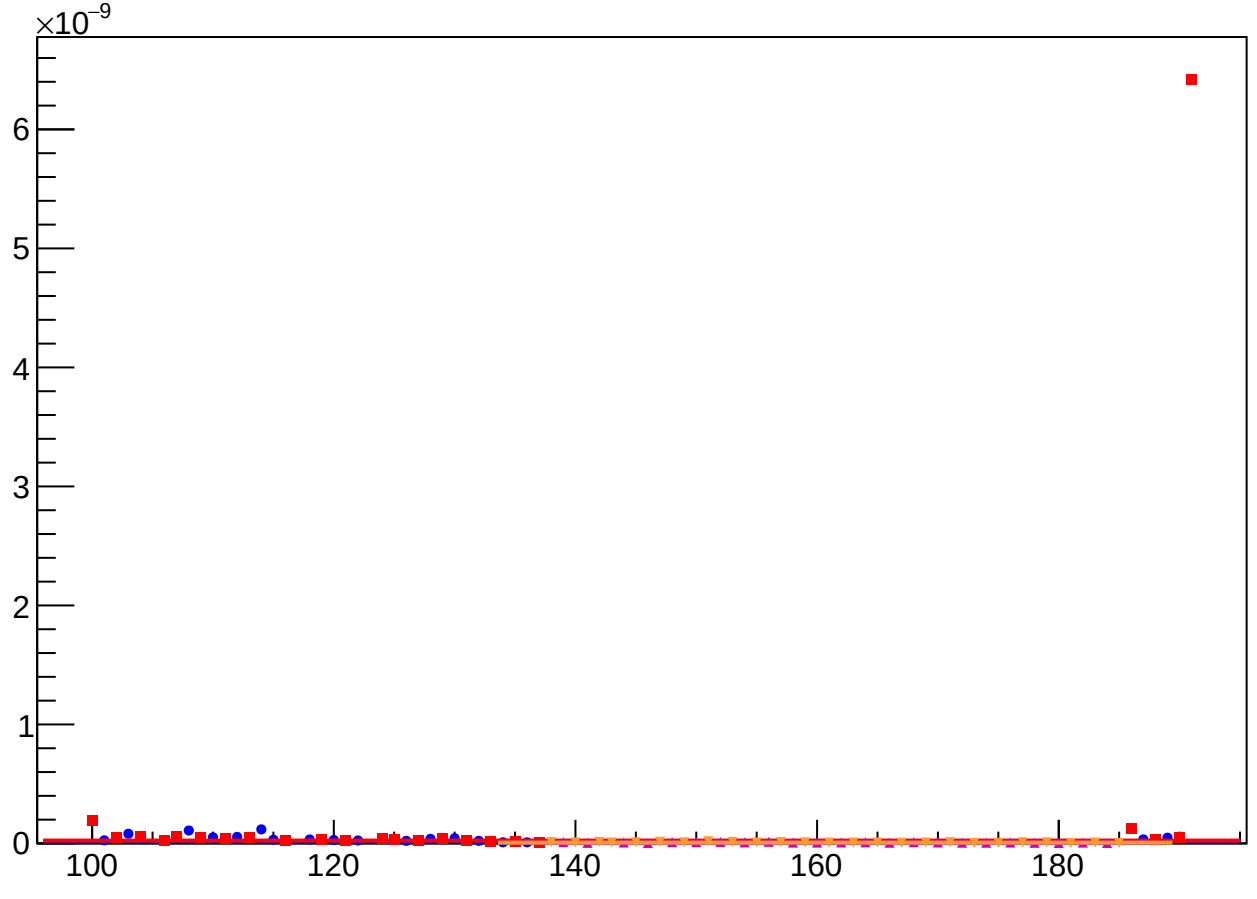
Left In: 0.000+/-0.000 χ^2/NDF:17.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 61.8/42

All: 0.000+/-0.000 χ^2/NDF: 99.4/88

- sign 0.000+/-0.000 χ^2/NDF: 37.1/45

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: 1768392.0/22

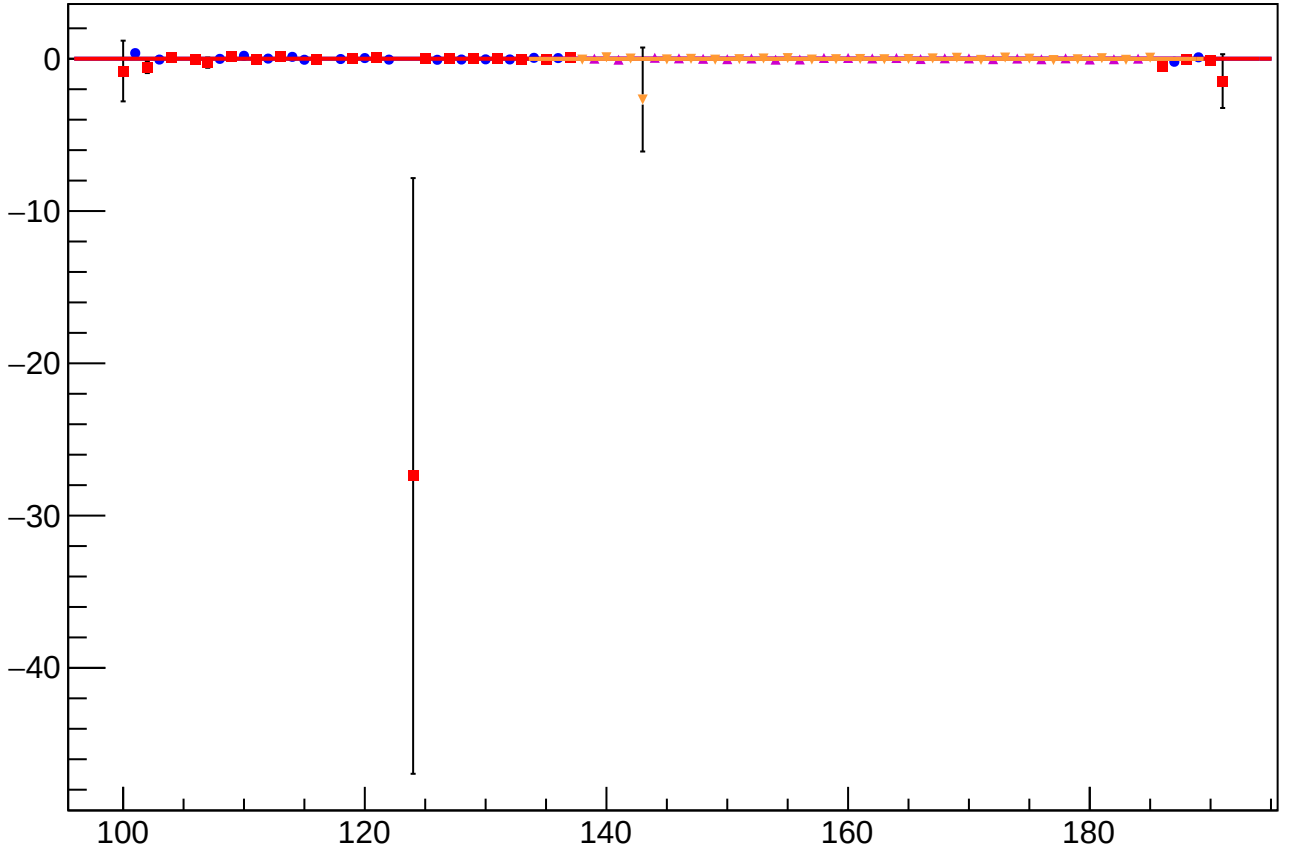
Left In: 0.000+/-0.000 χ^2/NDF:1477997.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5742649.1/42

All: 0.000+/-0.000 χ^2/NDF: 11539997.7/88

- sign 0.000+/-0.000 χ^2/NDF: 5795394.2/45

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: 0.003+/-0.014 χ^2/NDF: 23.5/22

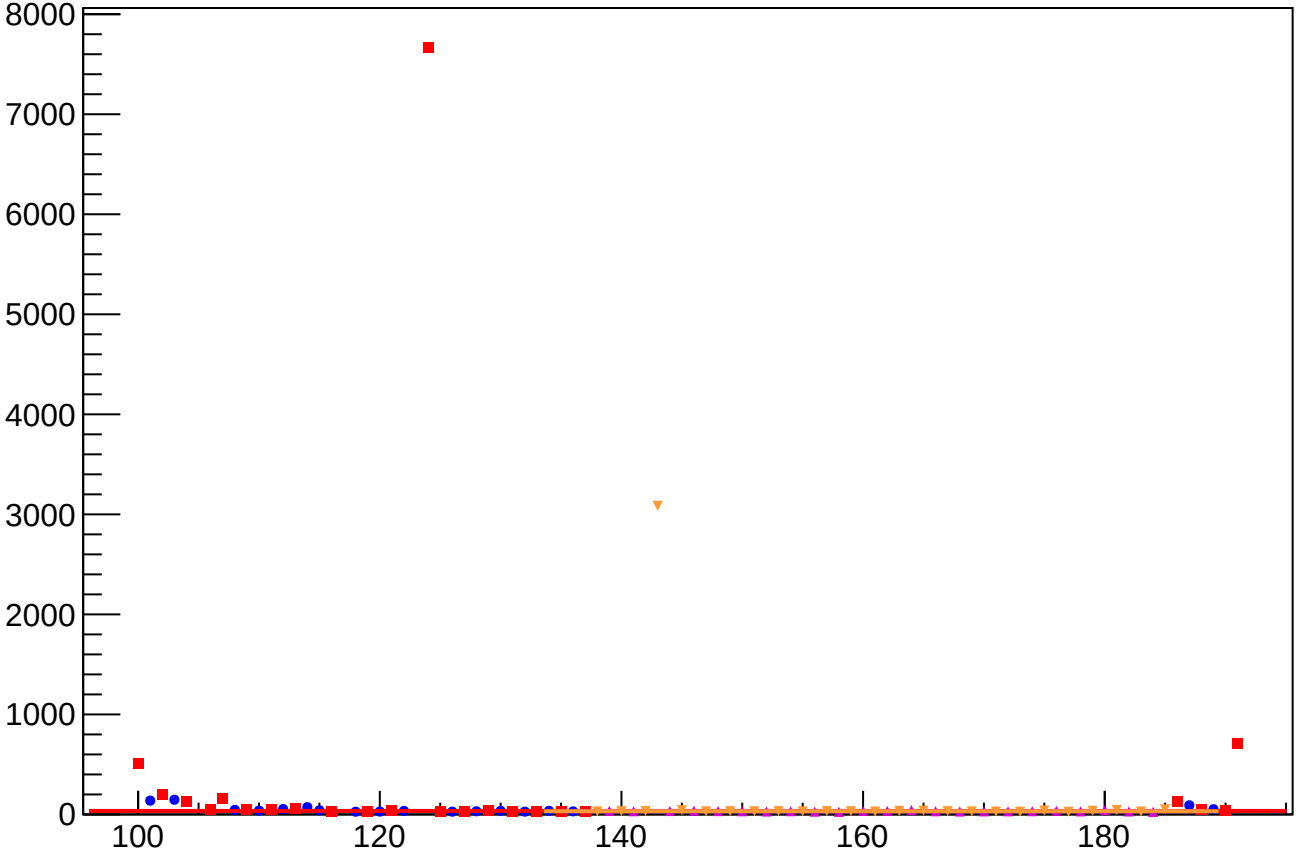
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

\+ sign -0.007+/-0.007 χ^2/NDF: 63.3/42

All: -0.002+/-0.005 χ^2/NDF: 108.6/88

\- sign 0.003+/-0.007 χ^2/NDF: 44.3/45

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

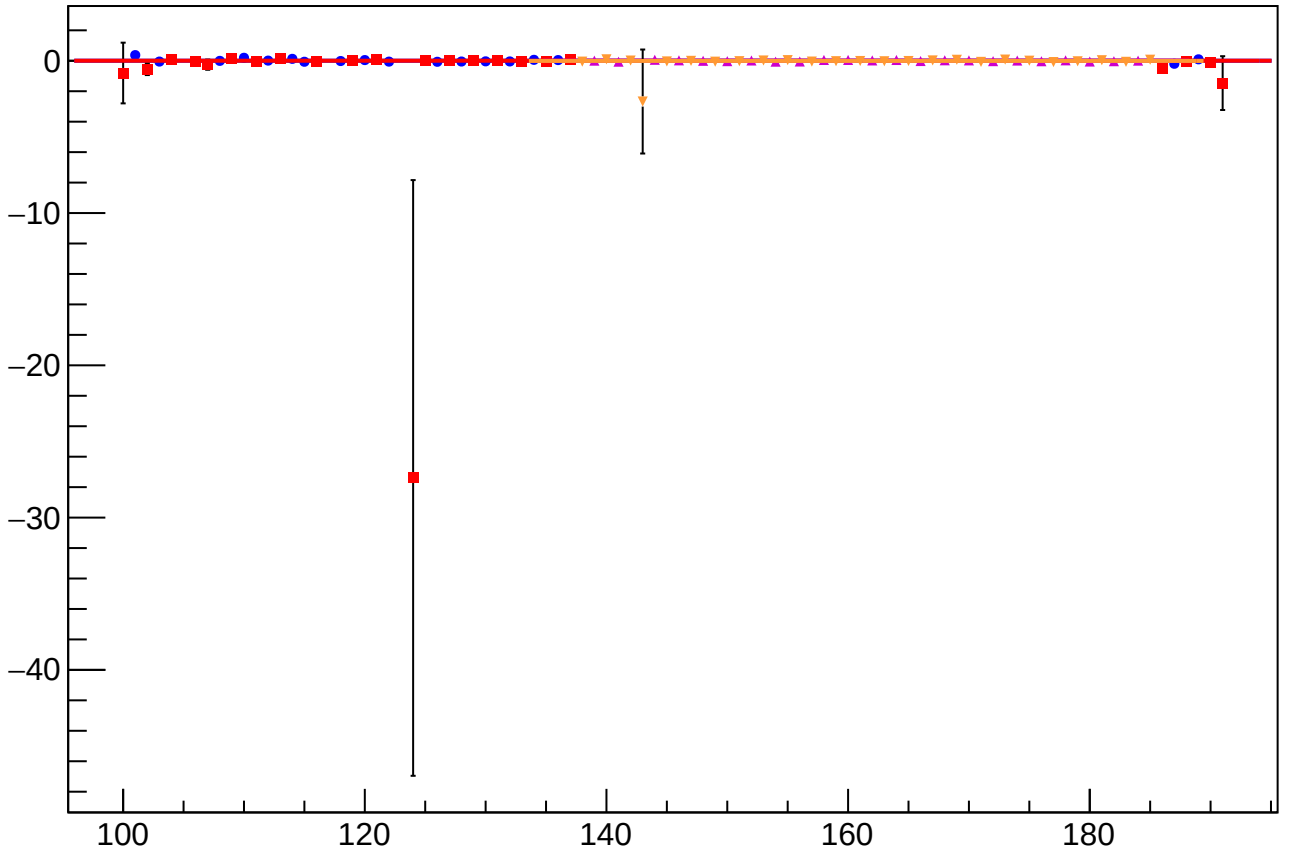
Right Out: 34.922+/-0.010 χ^2/NDF: 2995115.5/22

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

\+ sign 32.910+/-0.005 χ^2/NDF: 4121378.6/42

All: 32.985+/-0.004 χ^2/NDF: 7589580.0/88

\- sign 33.061+/-0.005 χ^2/NDF: 3467755.3/45



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: 0.003+/-0.014 χ^2/NDF: 23.5/22

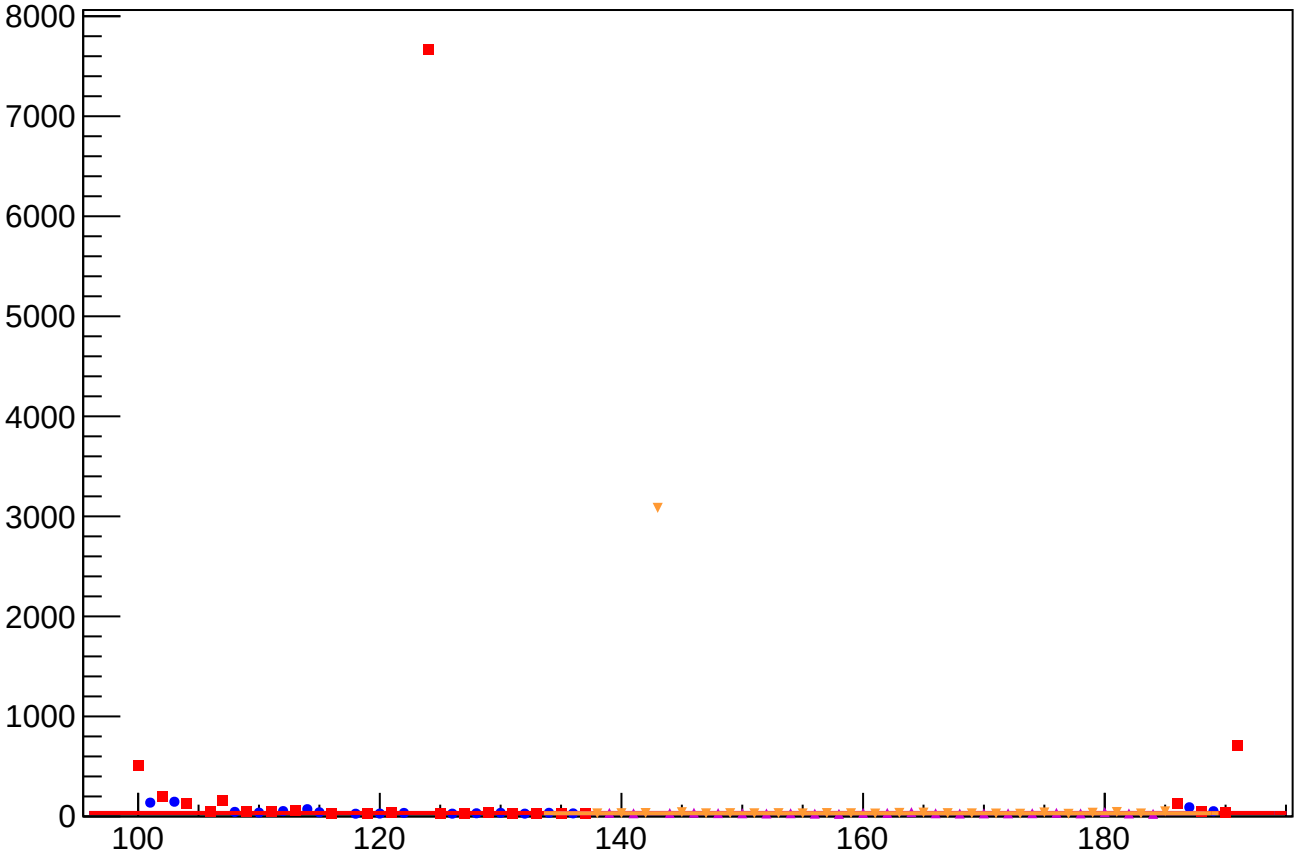
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.007+/-0.007 χ^2/NDF: 63.3/42

All: -0.002+/-0.005 χ^2/NDF: 108.6/88

- sign 0.003+/-0.007 χ^2/NDF: 44.3/45

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

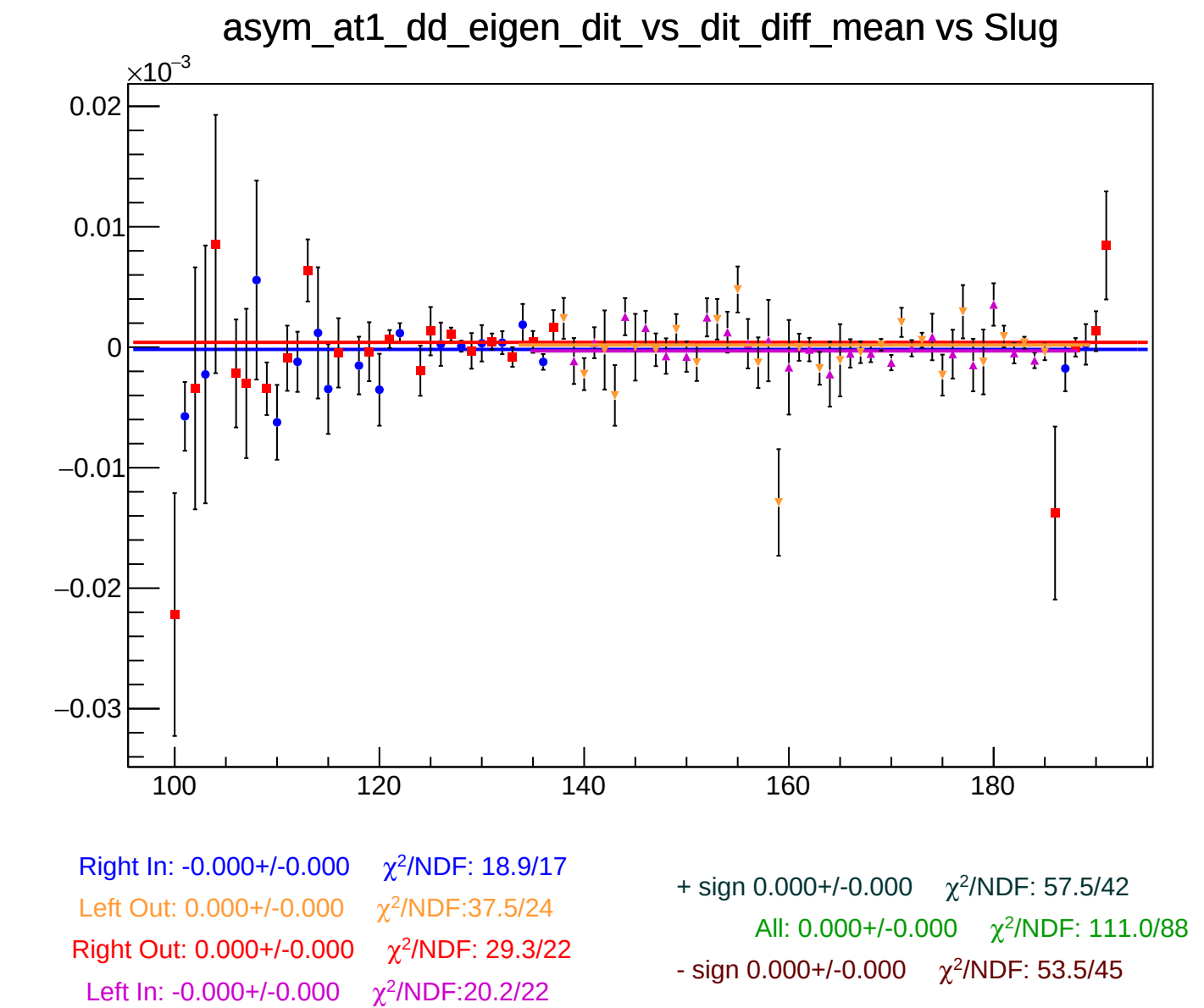
Right Out: 34.922+/-0.010 χ^2/NDF: 2995115.5/22

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

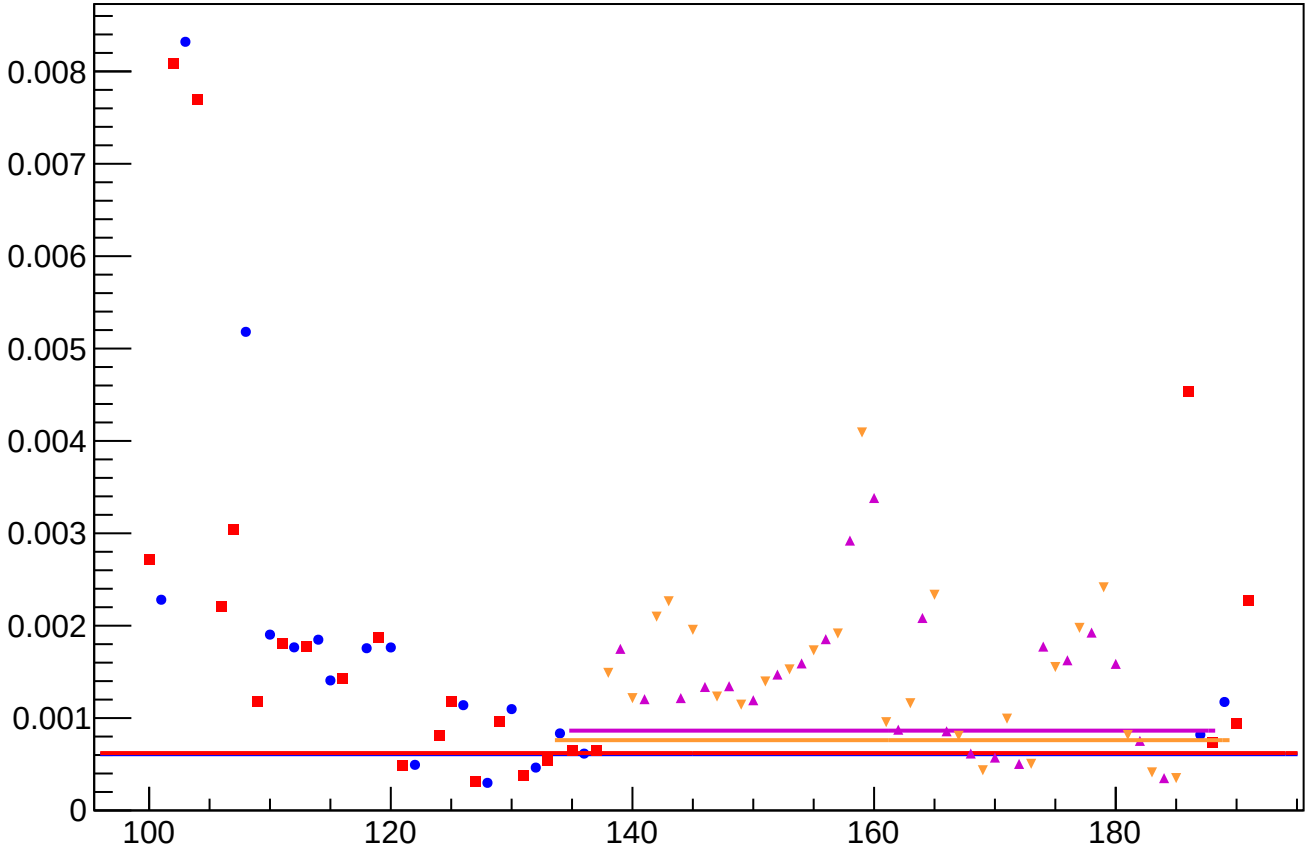
+ sign 32.910+/-0.005 χ^2/NDF: 4121378.6/42

All: 32.985+/-0.004 χ^2/NDF: 7589580.0/88

- sign 33.061+/-0.005 χ^2/NDF: 3467755.3/45


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
120
140
160
180
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: 29.3/22
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: 111.0/88
- sign 0.000+/-0.000 χ²/NDF: 53.5/45

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 5747783.1/17

Left Out: 0.001+/-0.000 χ^2/NDF:11085699.1/24

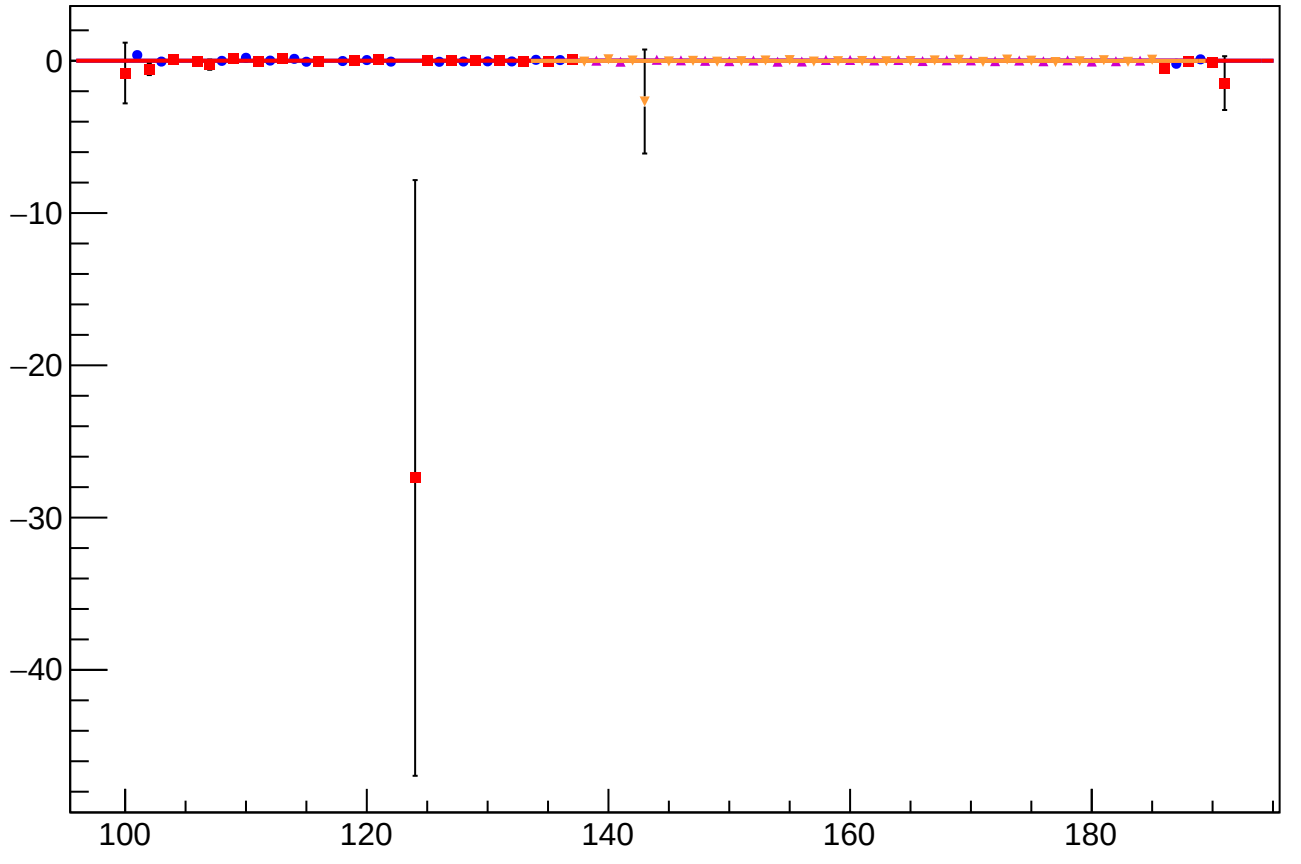
Right Out: 0.001+/-0.000 χ^2/NDF: 6449207.5/22

Left In: 0.001+/-0.000 χ^2/NDF:8440059.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 17197291.2/42

All: 0.001+/-0.000 χ^2/NDF: 33091808.9/88

- sign 0.001+/-0.000 χ^2/NDF: 15821131.9/45



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: 0.003+/-0.014 χ^2/NDF: 23.5/22

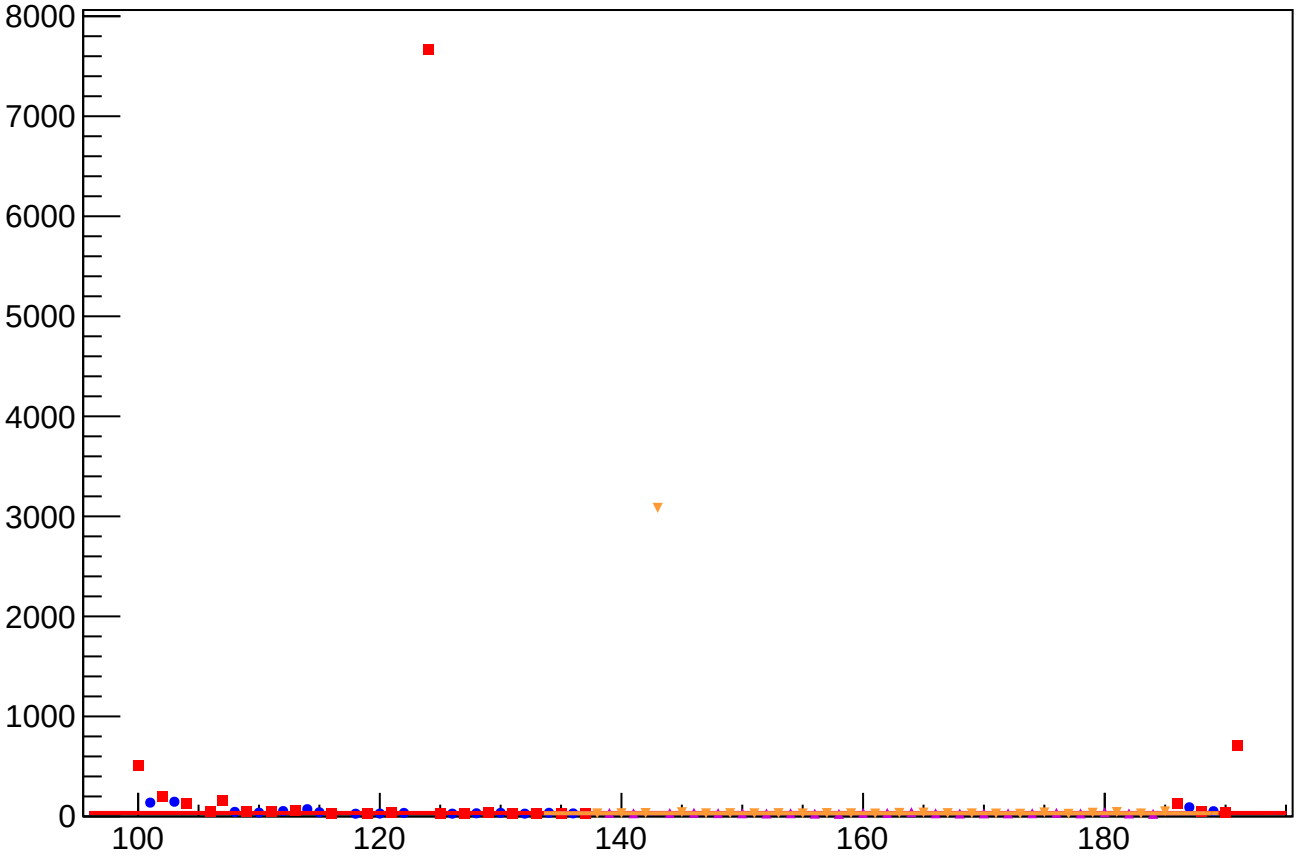
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.007+/-0.007 χ^2/NDF: 63.3/42

All: -0.002+/-0.005 χ^2/NDF: 108.6/88

- sign 0.003+/-0.007 χ^2/NDF: 44.3/45

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

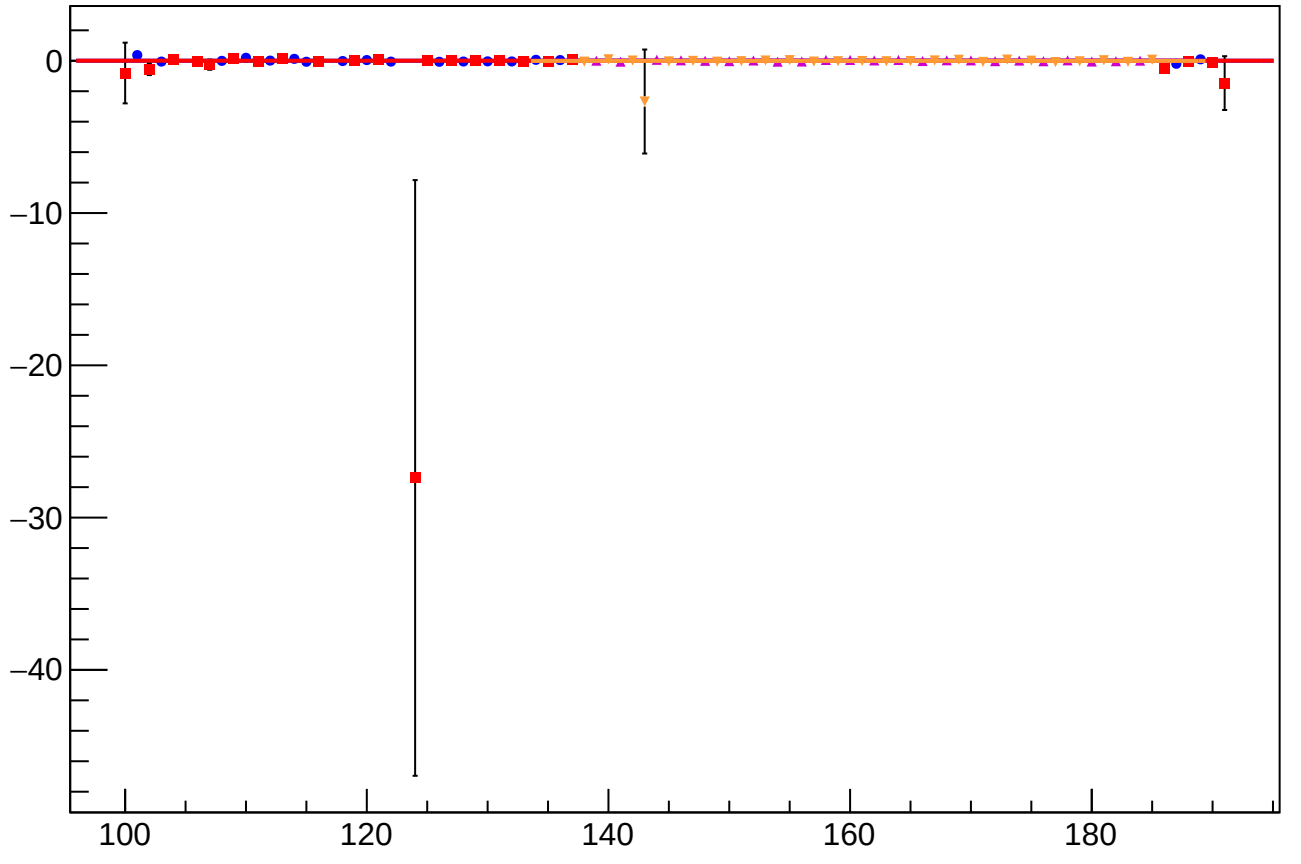
Right Out: 34.922+/-0.010 χ^2/NDF: 2995106.1/22

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

+ sign 32.910+/-0.005 χ^2/NDF: 4121413.5/42

All: 32.985+/-0.004 χ^2/NDF: 7589510.8/88

- sign 33.061+/-0.005 χ^2/NDF: 3467649.9/45



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: 0.003+/-0.014 χ^2/NDF: 23.5/22

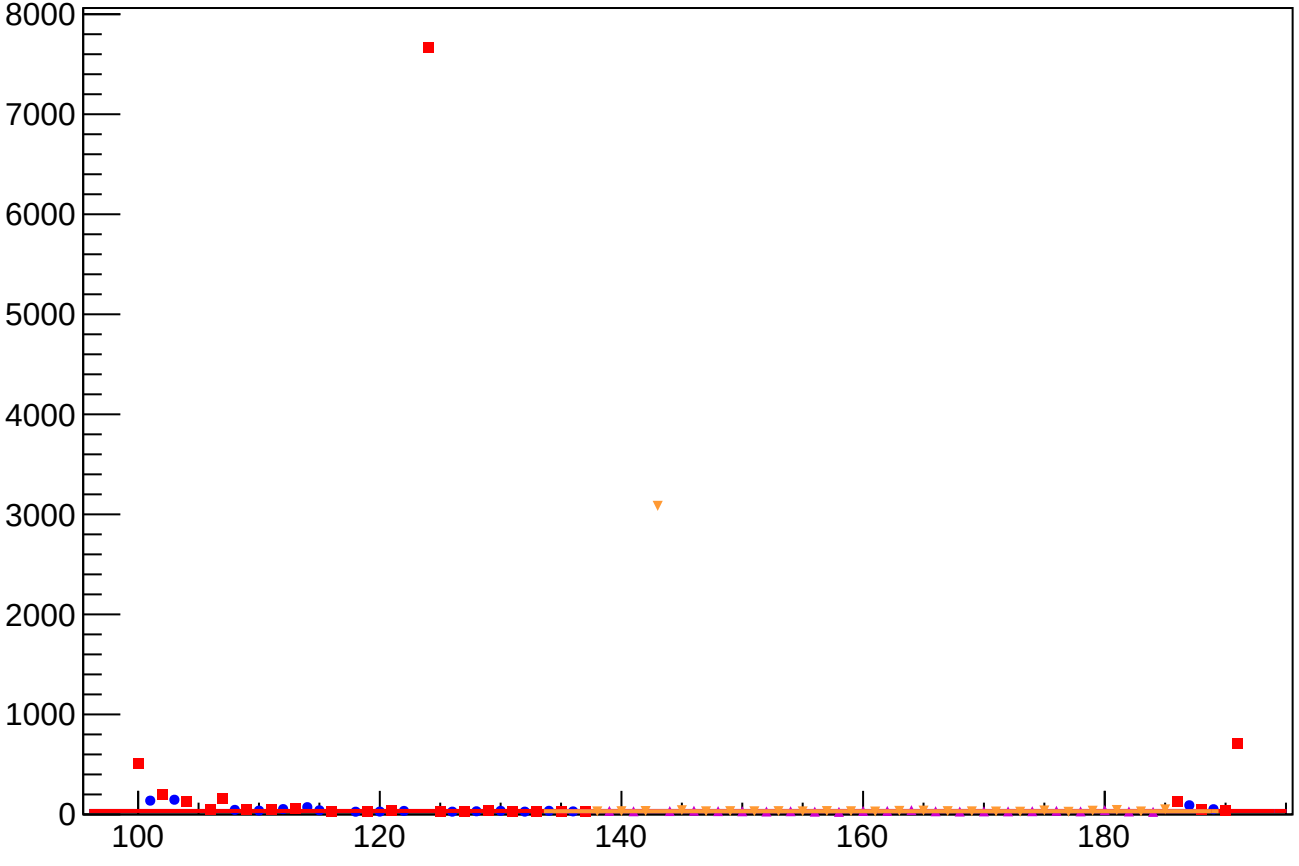
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.007+/-0.007 χ^2/NDF: 63.3/42

All: -0.002+/-0.005 χ^2/NDF: 108.6/88

- sign 0.003+/-0.007 χ^2/NDF: 44.3/45

asym_at1_dd_eigen_dit_vs_eigen_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

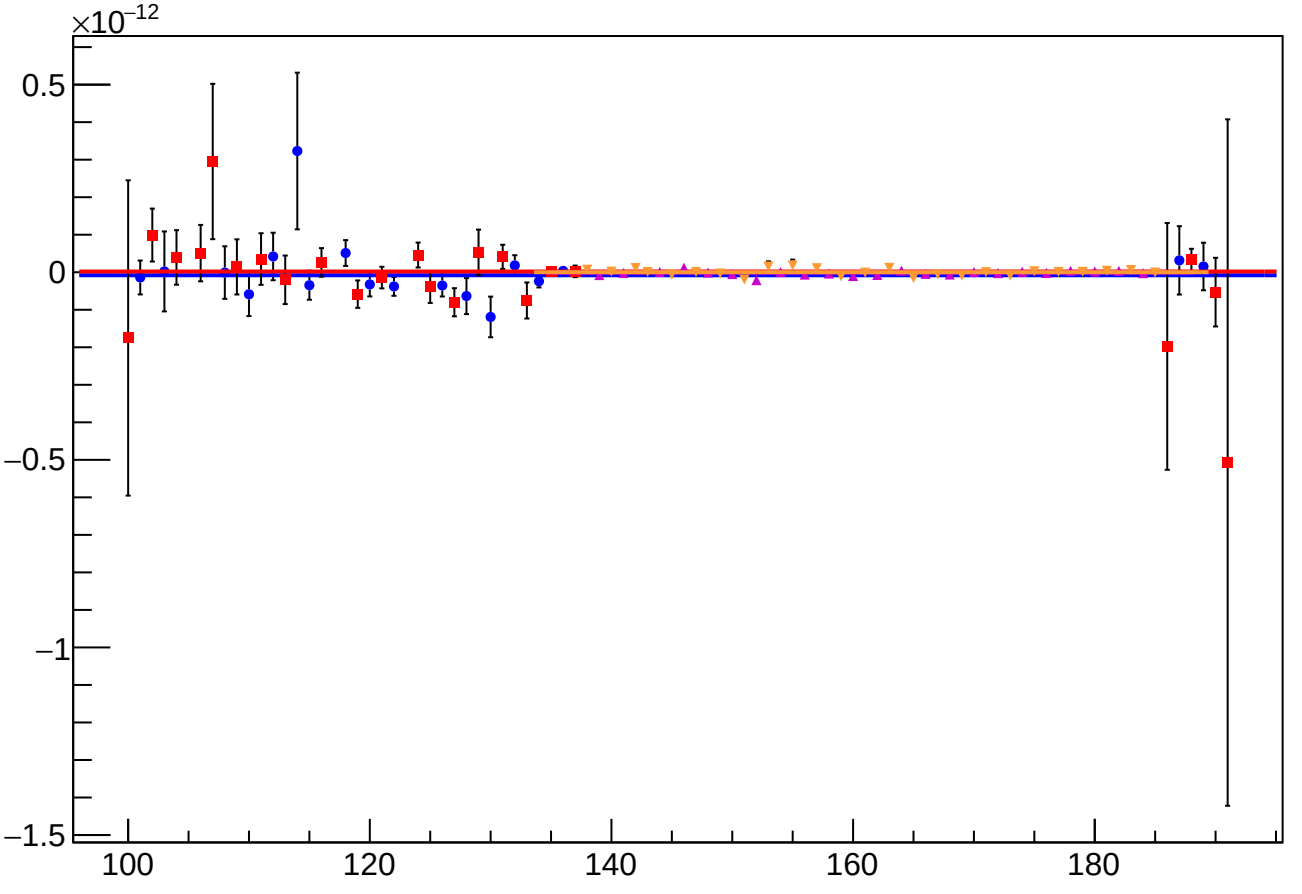
Right Out: 34.922+/-0.010 χ^2/NDF: 2995106.1/22

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

\+ sign 32.910+/-0.005 χ^2/NDF: 4121413.5/42

All: 32.985+/-0.004 χ^2/NDF: 7589510.8/88

\- sign 33.061+/-0.005 χ^2/NDF: 3467649.9/45



Right In: -0.000+/-0.000 χ^2/NDF: 19.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:21.1/24

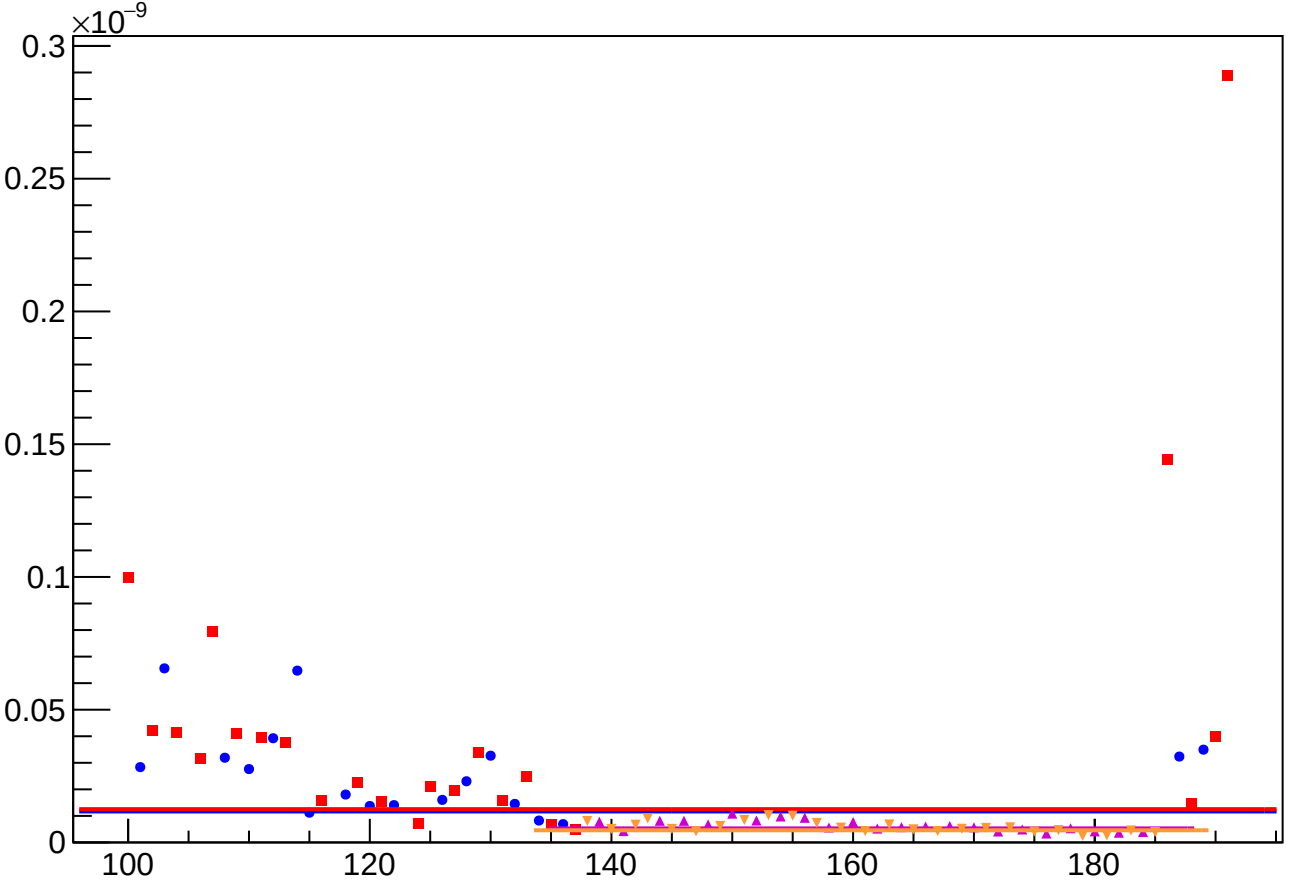
Right Out: 0.000+/-0.000 χ^2/NDF: 22.9/22

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: 74.6/88

- sign -0.000+/-0.000 χ^2/NDF: 32.3/45



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: 4453947.1/22

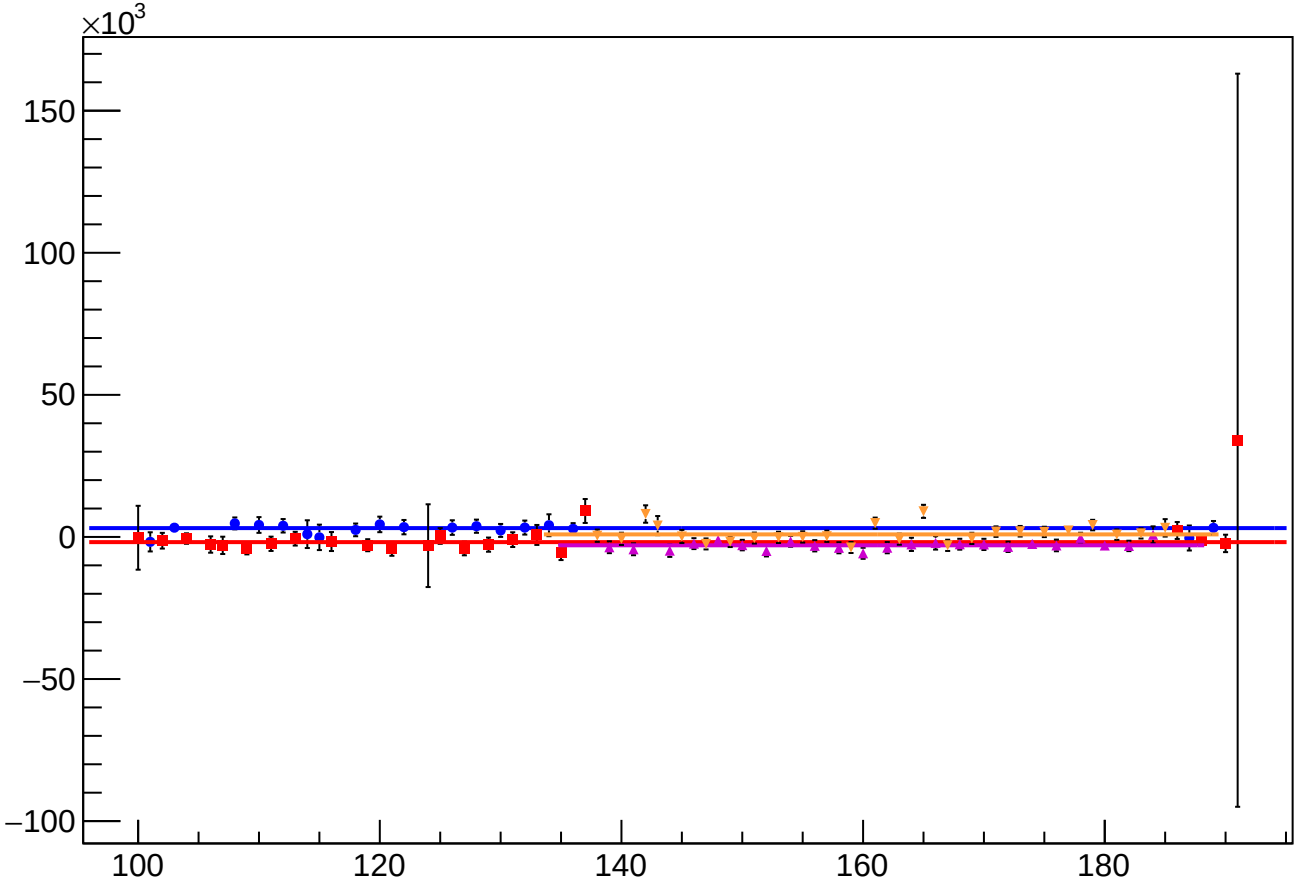
Left In: 0.000+/-0.000 χ^2/NDF:2230717.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 8361866.9/42

All: 0.000+/-0.000 χ^2/NDF: 17303372.0/88

- sign 0.000+/-0.000 χ^2/NDF: 8705212.2/45

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: -1822.689+/-570.993 χ^2/NDF: 16.3/22

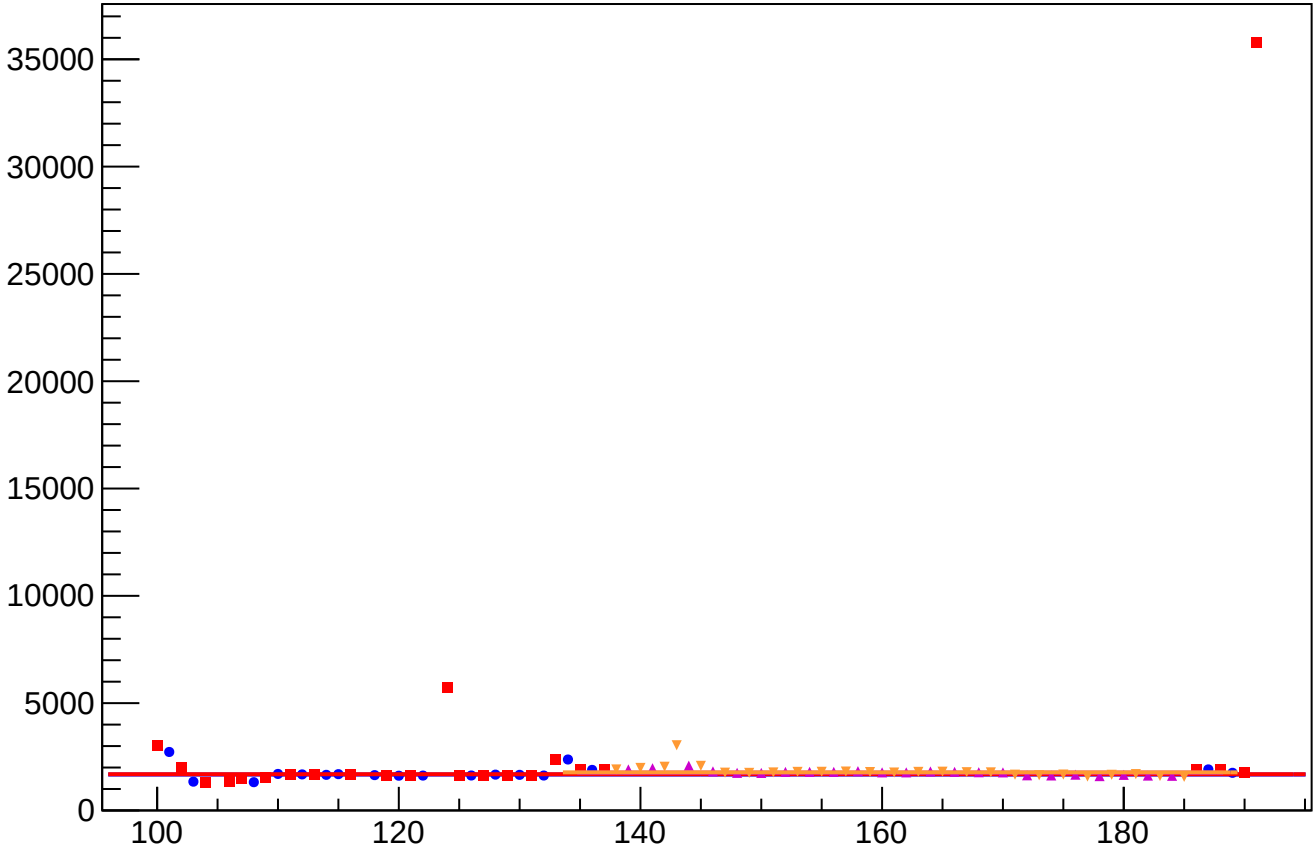
Left In: -2943.285+/-412.069 χ^2/NDF:10.6/22

+ sign 1589.509+/-336.337 χ^2/NDF: 59.5/42

All: -498.588+/-237.047 χ^2/NDF: 165.4/88

- sign -2559.531+/-334.143 χ^2/NDF: 29.4/45

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: 1688.243+/-0.404 χ^2/NDF: 627495.0/22

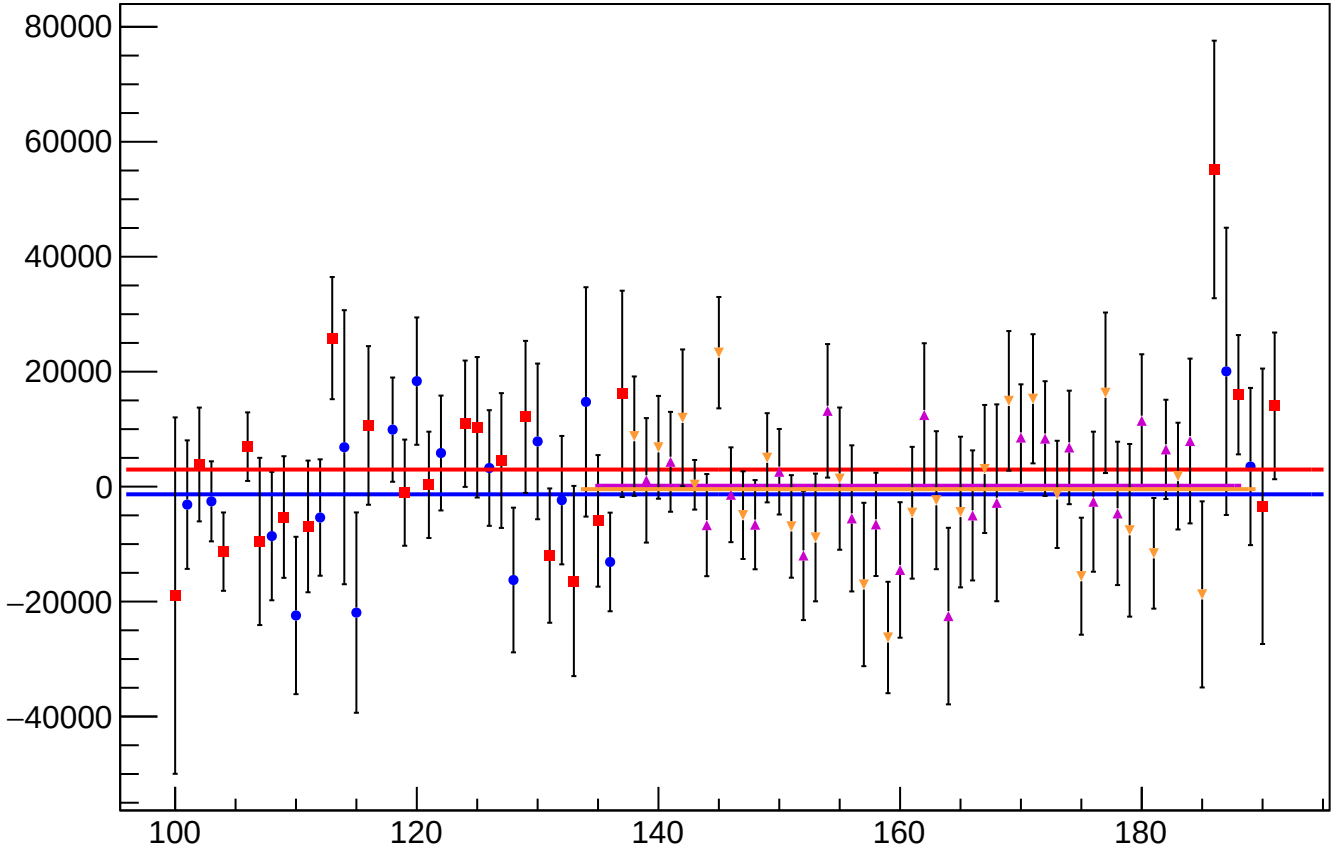
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1743.059+/-0.238 χ^2/NDF: 910324.7/42

All: 1739.578+/-0.168 χ^2/NDF: 1705916.5/88

- sign 1736.142+/-0.236 χ^2/NDF: 795166.1/45

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: 2970.466+/-2303.250 χ^2/NDF: 26.0/22

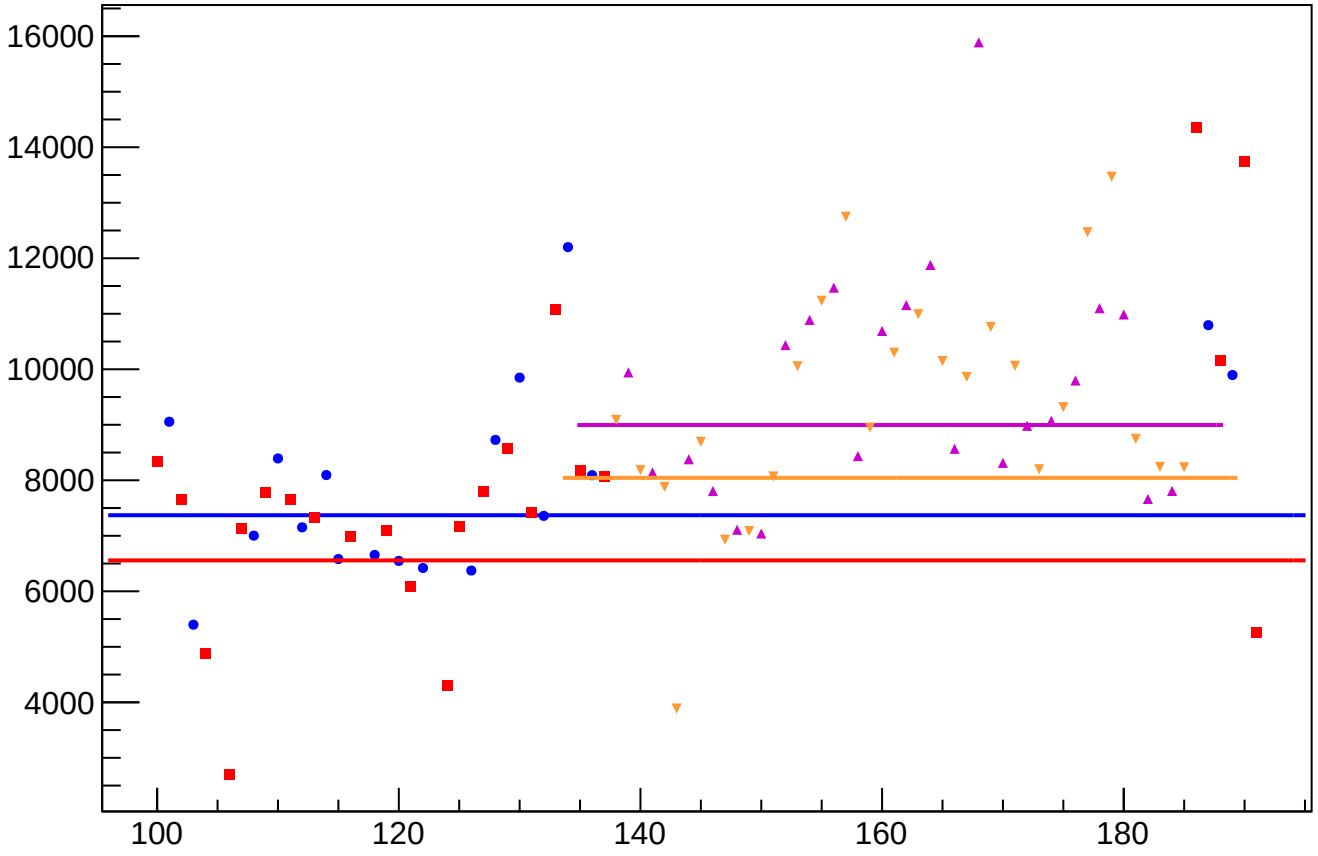
Left In: 155.268+/-2143.489 χ^2/NDF:13.8/22

+ sign -748.952+/-1562.721 χ^2/NDF: 44.8/42

All: 351.935+/-1107.265 χ^2/NDF: 86.4/88

- sign 1461.853+/-1569.118 χ^2/NDF: 40.6/45

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: 6556.807+/-1.629 χ^2/NDF: 2116109.4/22

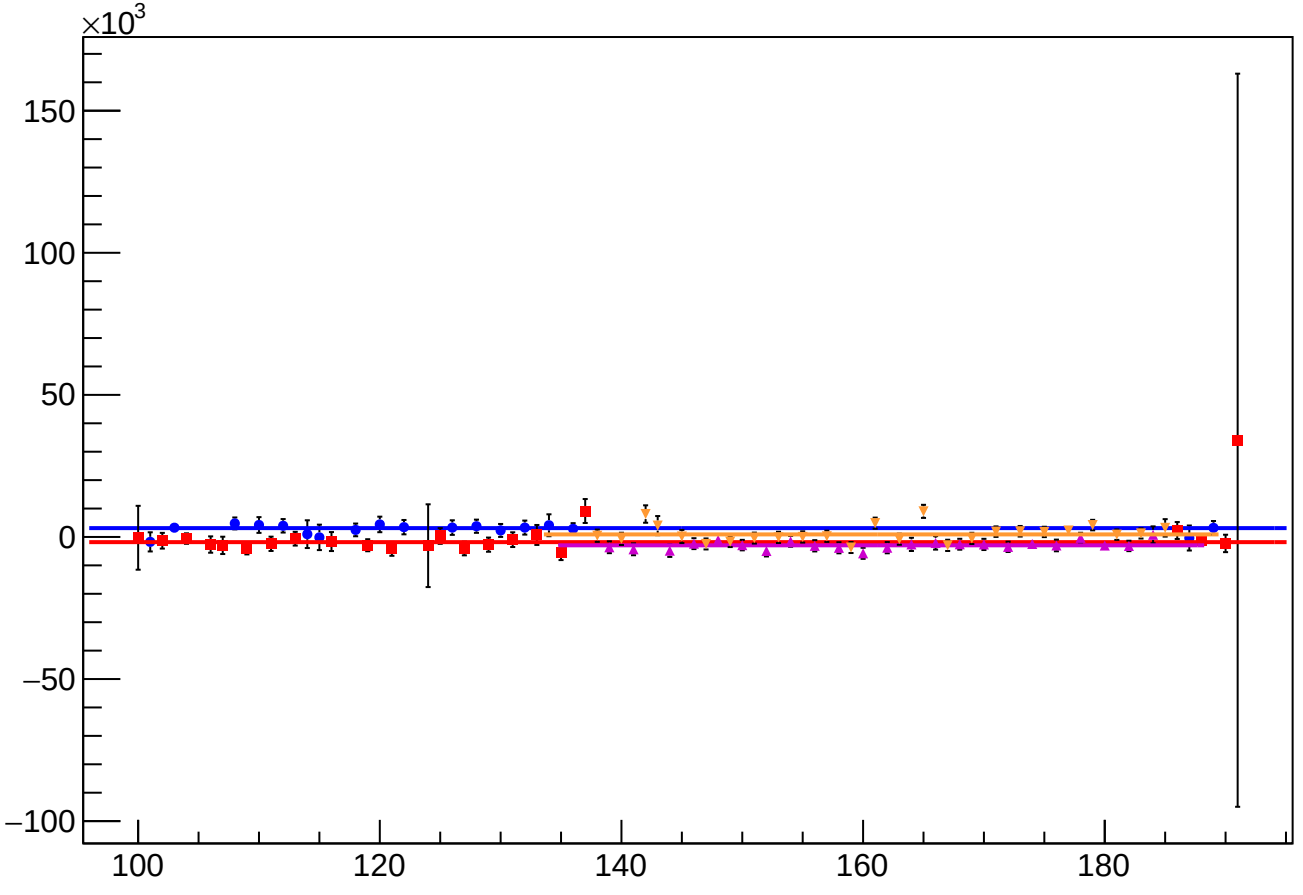
Left In: 8995.626+/-1.516 χ^2/NDF:1207133.5/22

+ sign 7813.957+/-1.105 χ^2/NDF: 4060750.6/42

All: 7838.738+/-0.783 χ^2/NDF: 8586649.6/88

- sign 7863.722+/-1.110 χ^2/NDF: 4524889.0/45

cor_asym_at2_avg_mean vs Slug



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: -1822.522+/-570.993 χ^2/NDF: 16.3/22

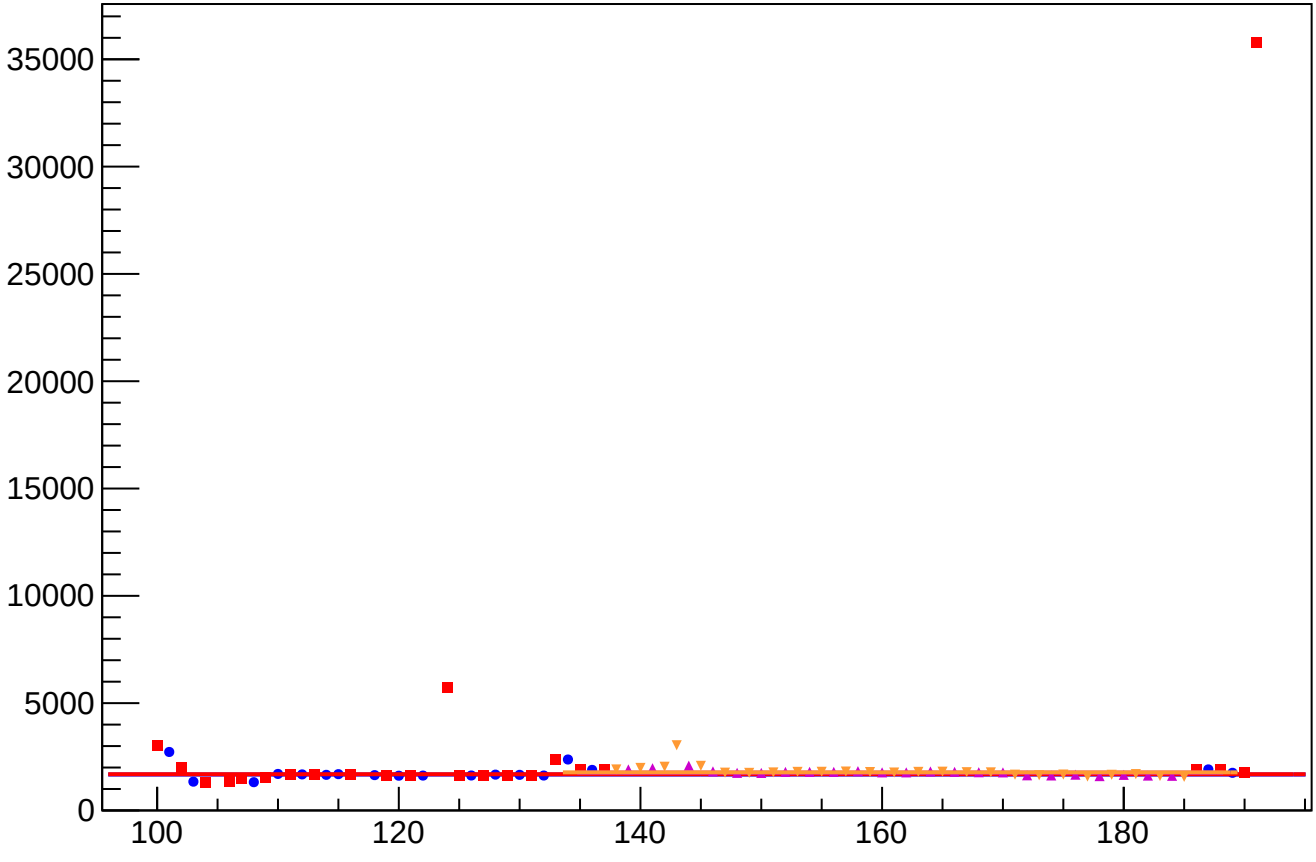
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1589.495+/-336.337 χ^2/NDF: 59.5/42

All: -498.529+/-237.047 χ^2/NDF: 165.4/88

- sign -2559.400+/-334.143 χ^2/NDF: 29.4/45

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: 1688.243+/-0.404 χ^2/NDF: 627495.1/22

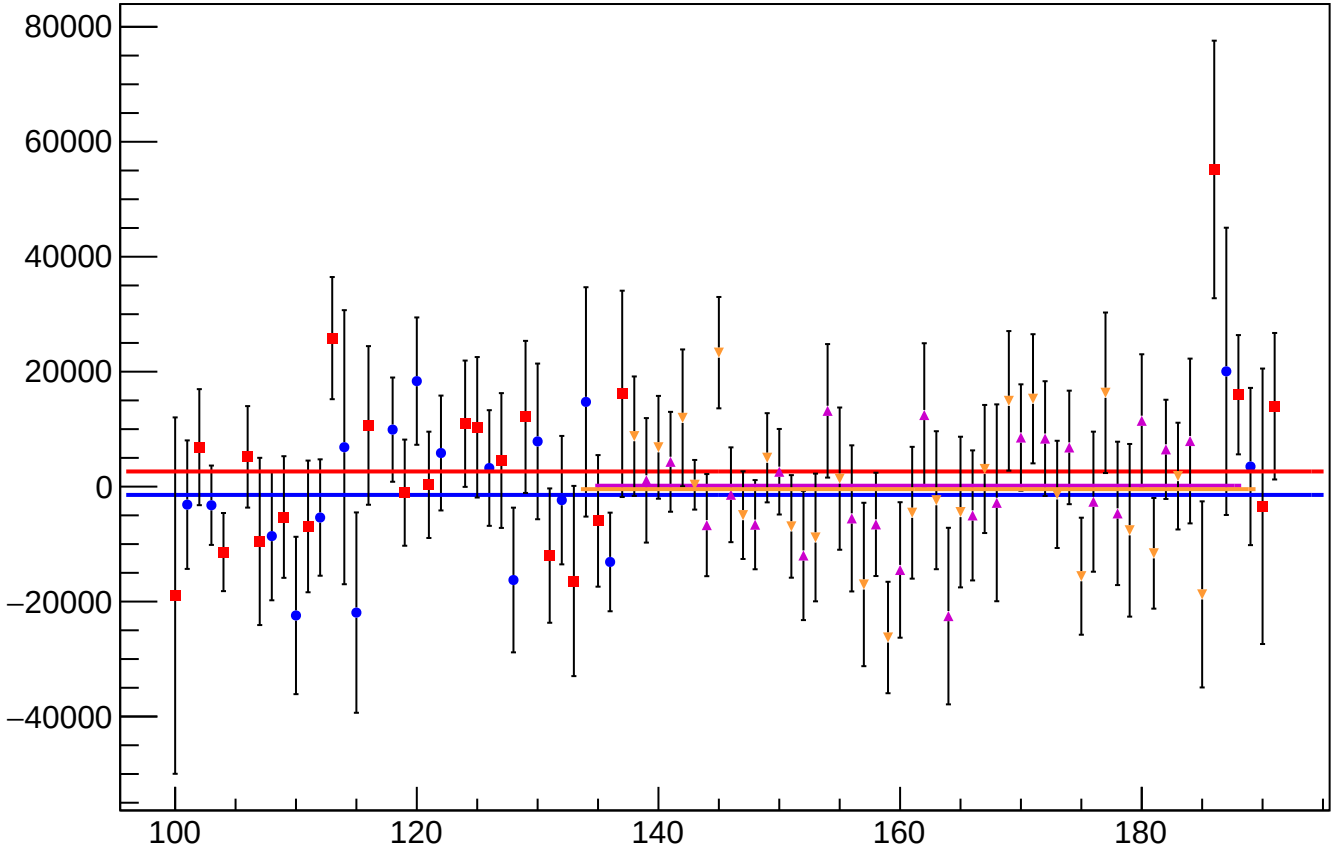
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1743.059+/-0.238 χ^2/NDF: 910325.2/42

All: 1739.578+/-0.168 χ^2/NDF: 1705917.1/88

- sign 1736.142+/-0.236 χ^2/NDF: 795166.3/45

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: 2635.473+/-2404.439 χ^2/NDF: 25.8/22

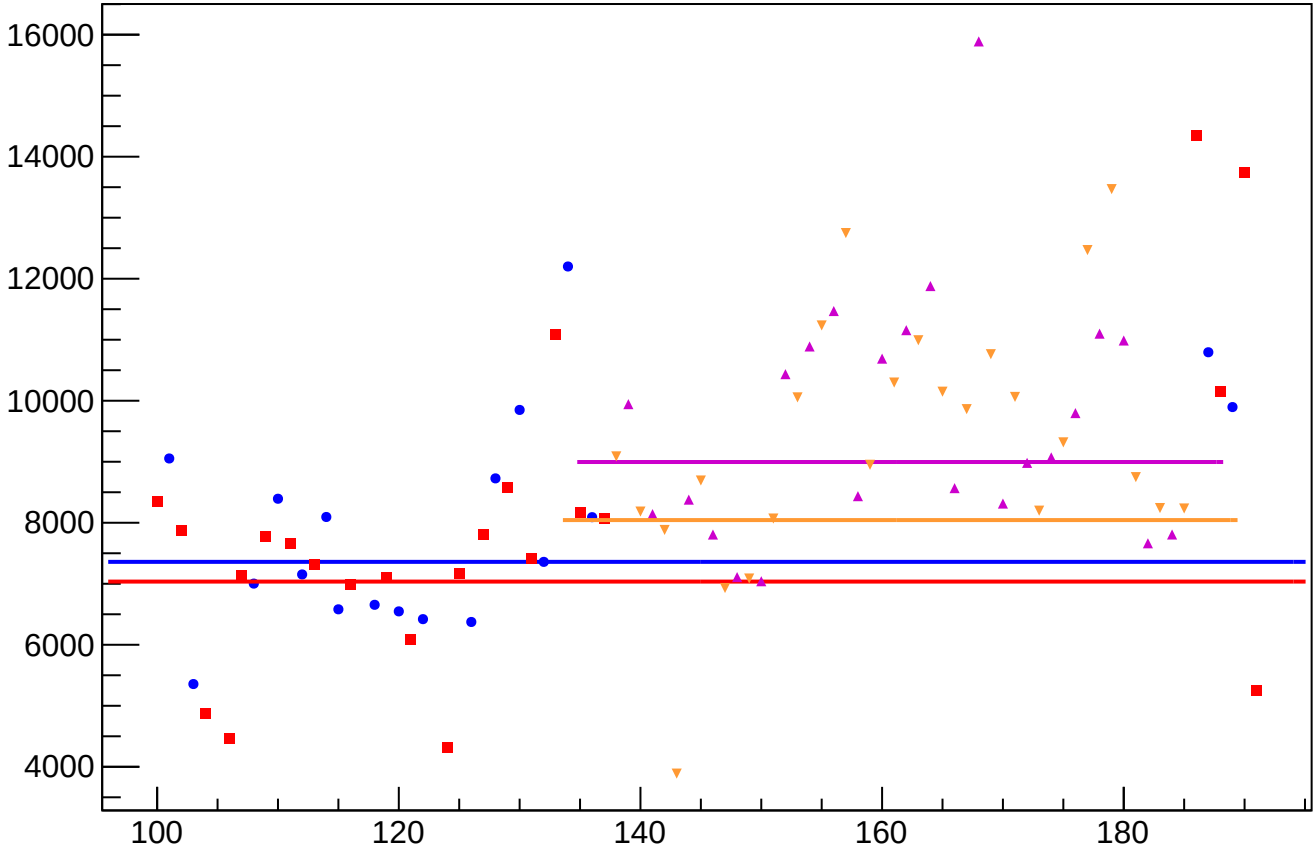
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

+ sign -785.335+/-1562.041 χ^2/NDF: 44.8/42

All: 209.610+/-1117.712 χ^2/NDF: 85.9/88

- sign 1253.511+/-1600.009 χ^2/NDF: 40.2/45

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

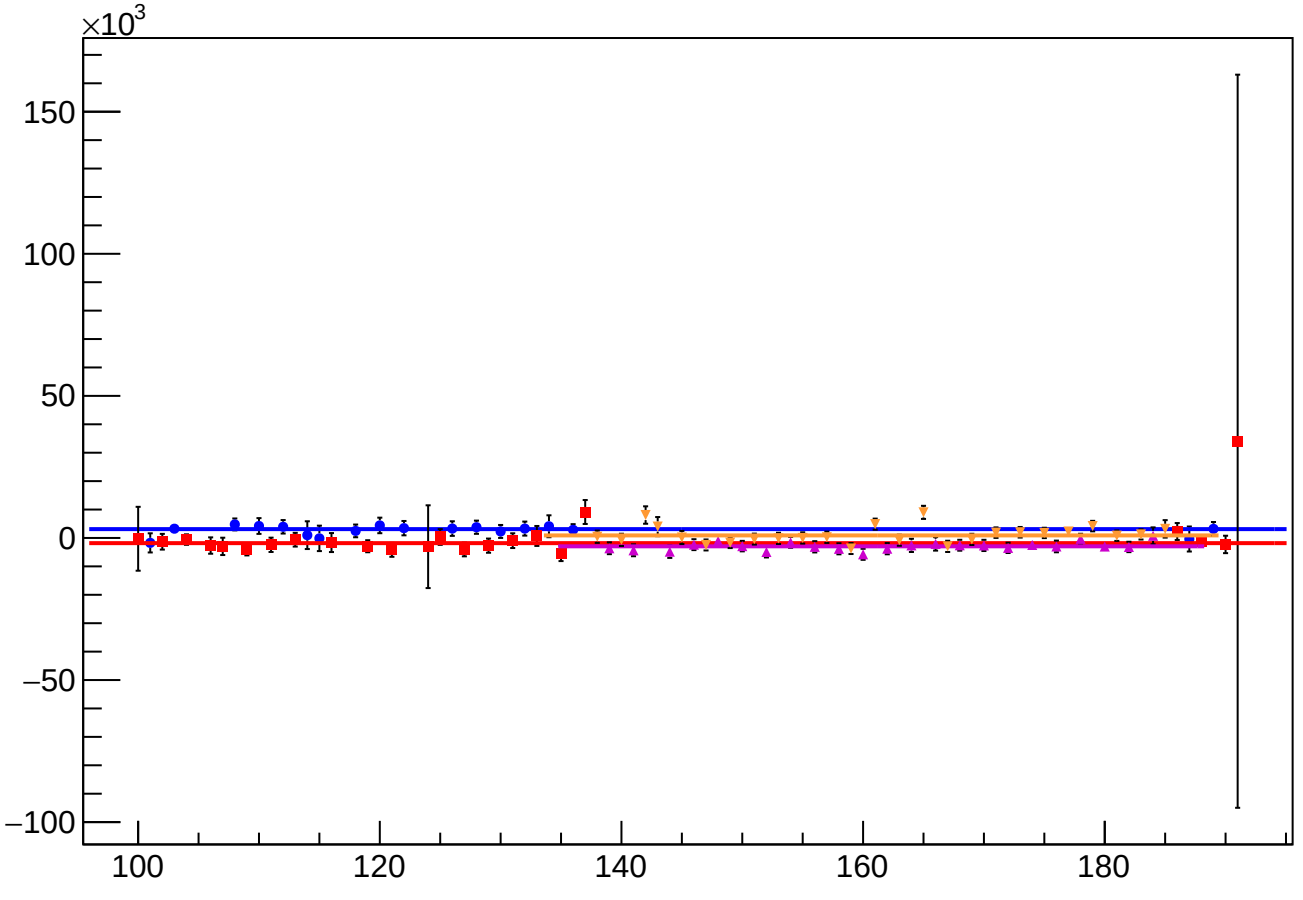
Right Out: 7035.737+/-1.700 χ^2/NDF: 1324158.6/22

Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

+ sign 7809.675+/-1.105 χ^2/NDF: 4073564.3/42

All: 7964.899+/-0.790 χ^2/NDF: 7385731.6/88

- sign 8127.760+/-1.131 χ^2/NDF: 3271696.1/45



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: -1822.522+/-570.993 χ^2/NDF: 16.3/22

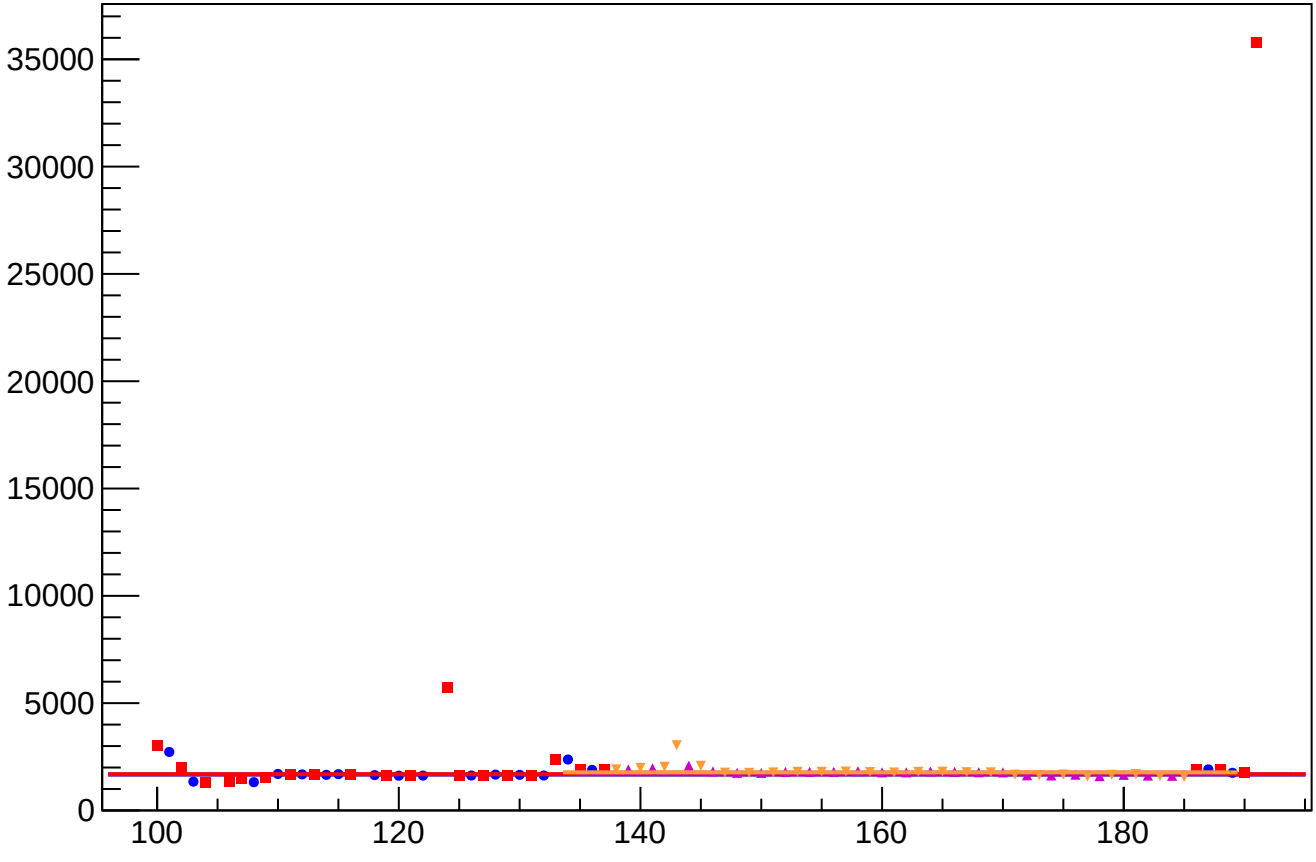
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1589.495+/-336.337 χ^2/NDF: 59.5/42

All: -498.529+/-237.047 χ^2/NDF: 165.4/88

- sign -2559.400+/-334.143 χ^2/NDF: 29.4/45

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: 1688.243+/-0.404 χ^2/NDF: 627495.1/22

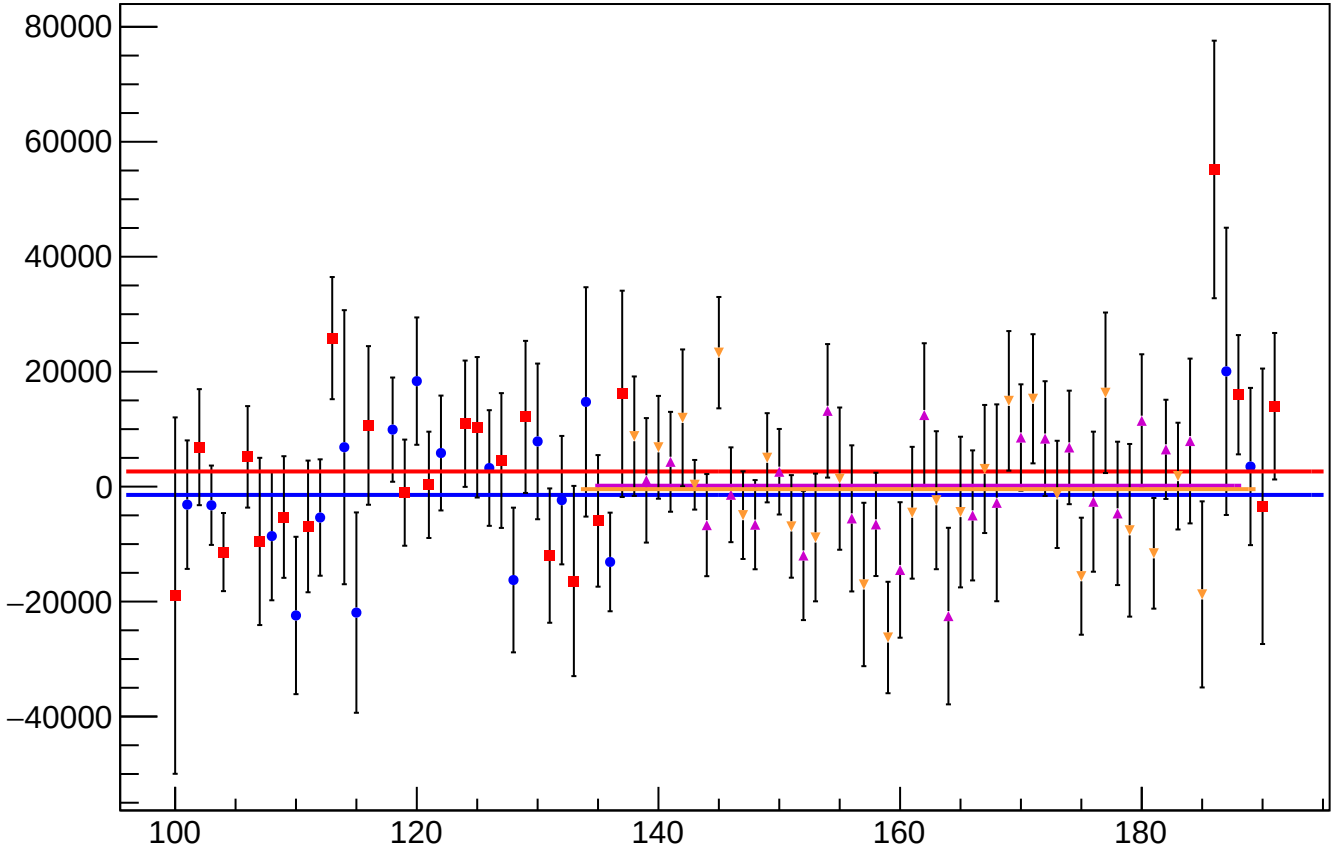
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1743.059+/-0.238 χ^2/NDF: 910325.2/42

All: 1739.578+/-0.168 χ^2/NDF: 1705917.1/88

- sign 1736.142+/-0.236 χ^2/NDF: 795166.3/45

asym_at2_avg_eigen_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: 2635.473+/-2404.439 χ^2/NDF: 25.8/22

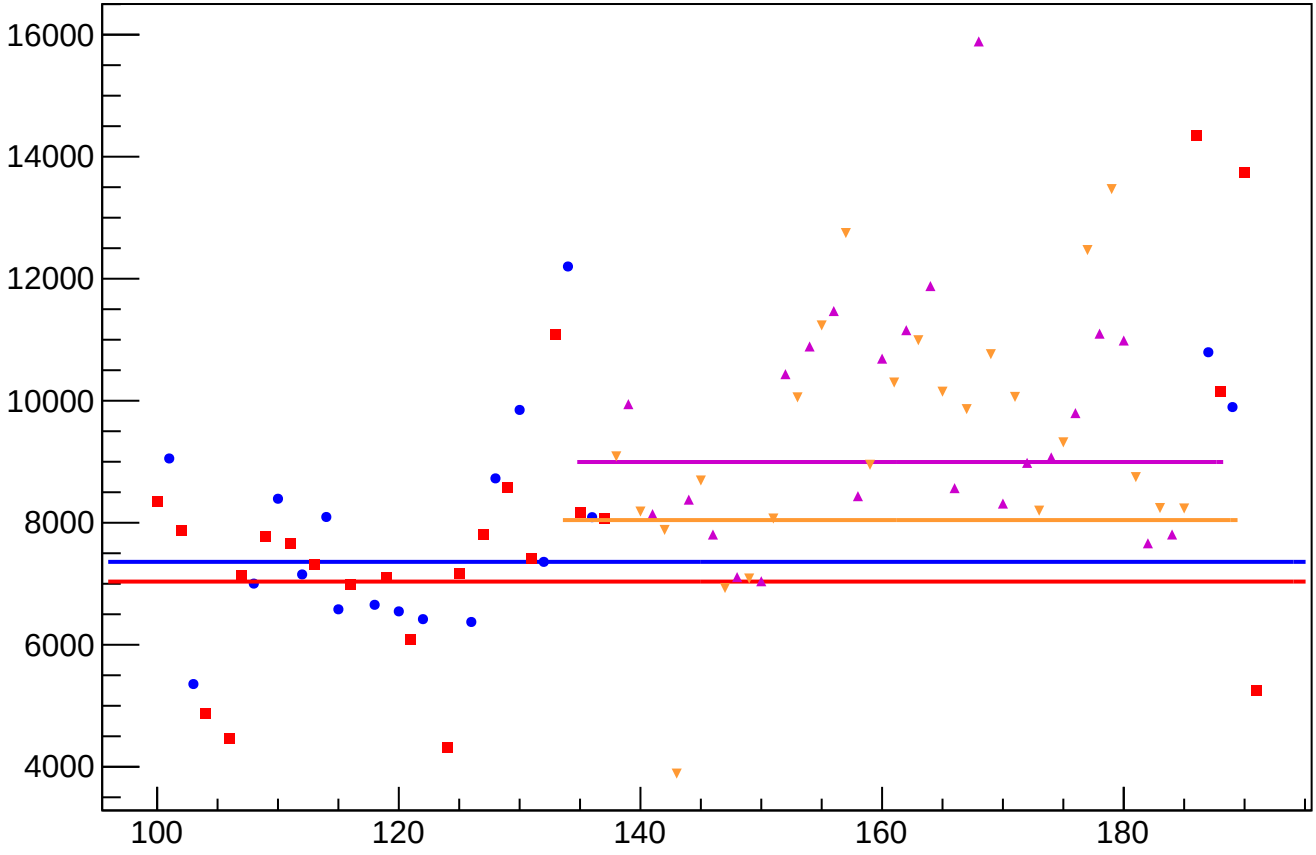
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

+ sign -785.335+/-1562.041 χ^2/NDF: 44.8/42

All: 209.610+/-1117.712 χ^2/NDF: 85.9/88

- sign 1253.511+/-1600.009 χ^2/NDF: 40.2/45

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

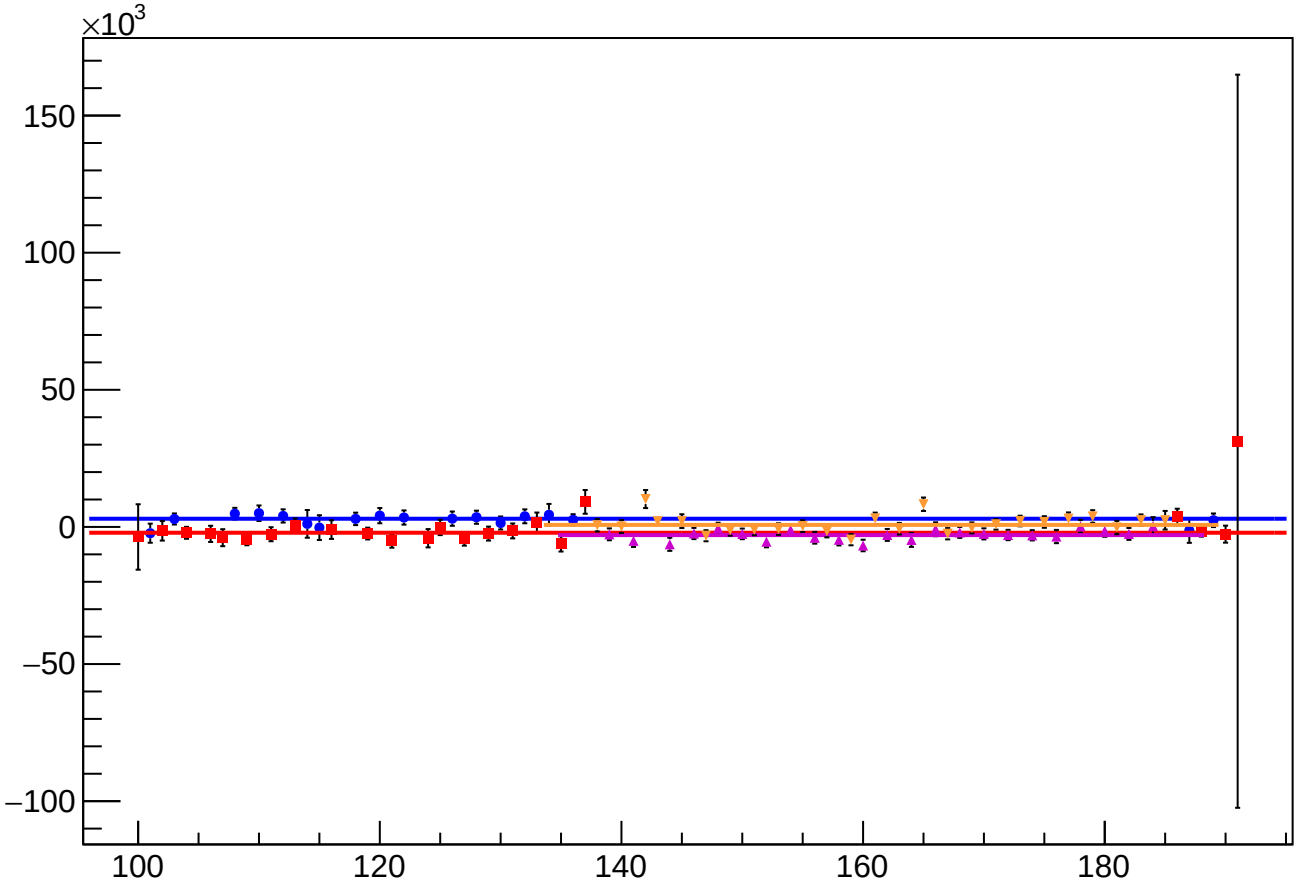
Right Out: 7035.737+/-1.700 χ^2/NDF: 1324158.6/22

Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

+ sign 7809.675+/-1.105 χ^2/NDF: 4073564.3/42

All: 7964.899+/-0.790 χ^2/NDF: 7385731.6/88

- sign 8127.760+/-1.131 χ^2/NDF: 3271696.1/45



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: -2116.784+/-585.467 χ^2/NDF: 20.0/22

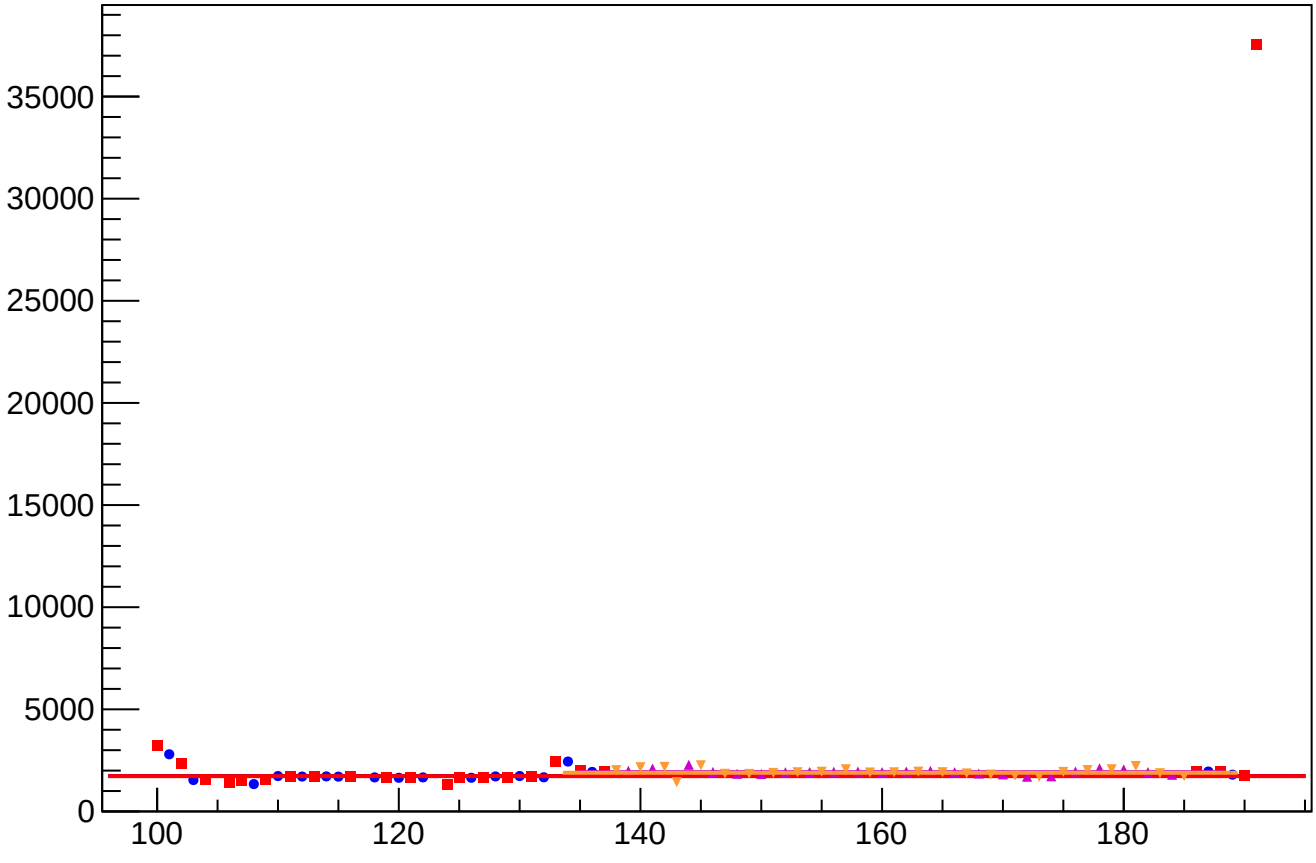
Left In: -2979.225+/-450.334 χ^2/NDF:15.6/22

+ sign 1470.696+/-355.601 χ^2/NDF: 56.7/42

All: -586.137+/-251.925 χ^2/NDF: 160.9/88

- sign -2658.637+/-356.953 χ^2/NDF: 37.0/45

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: 1729.529+/-0.414 χ^2/NDF: 476876.7/22

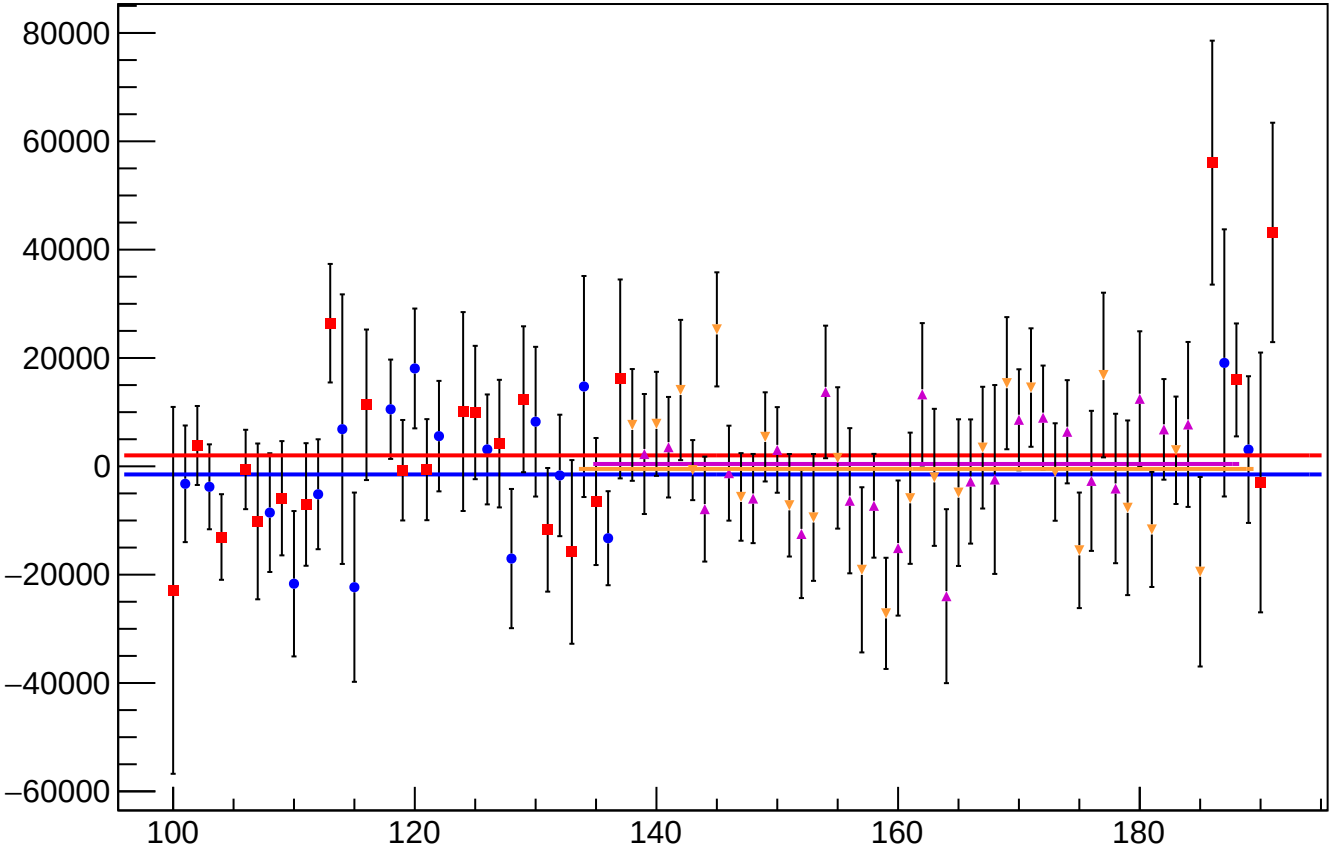
Left In: 1923.038+/-0.318 χ^2/NDF:150977.3/22

+ sign 1842.779+/-0.251 χ^2/NDF: 829218.7/42

All: 1846.913+/-0.178 χ^2/NDF: 1594940.7/88

- sign 1851.079+/-0.252 χ^2/NDF: 765179.2/45

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: 2020.526+/-2413.756 χ^2/NDF: 28.5/22

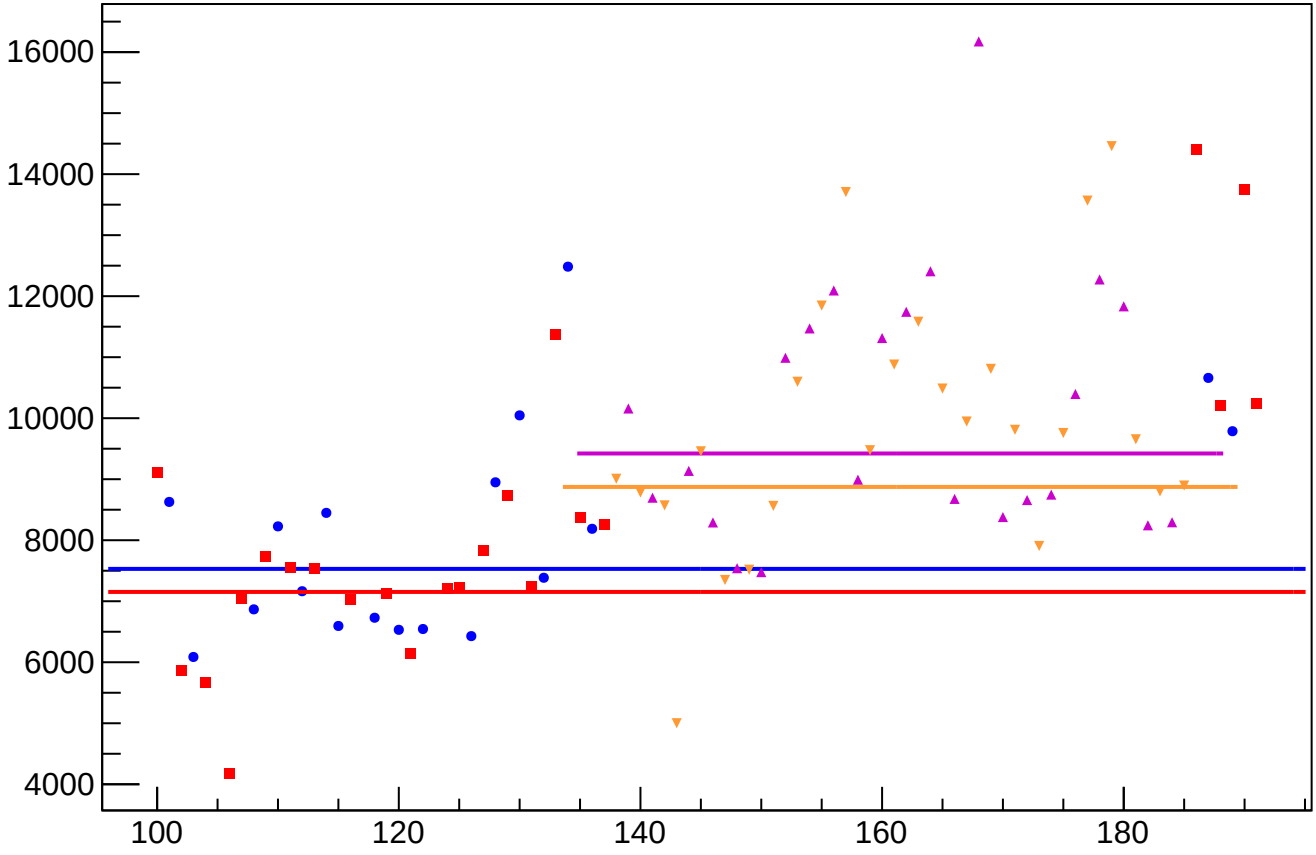
Left In: 436.717+/-2245.180 χ^2/NDF:13.6/22

\+ sign -856.468+/-1657.702 χ^2/NDF: 44.1/42

All: 165.906+/-1167.280 χ^2/NDF: 87.2/88

\- sign 1171.389+/-1643.950 χ^2/NDF: 42.3/45

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: 7152.553+/-1.707 χ^2/NDF: 1270035.7/22

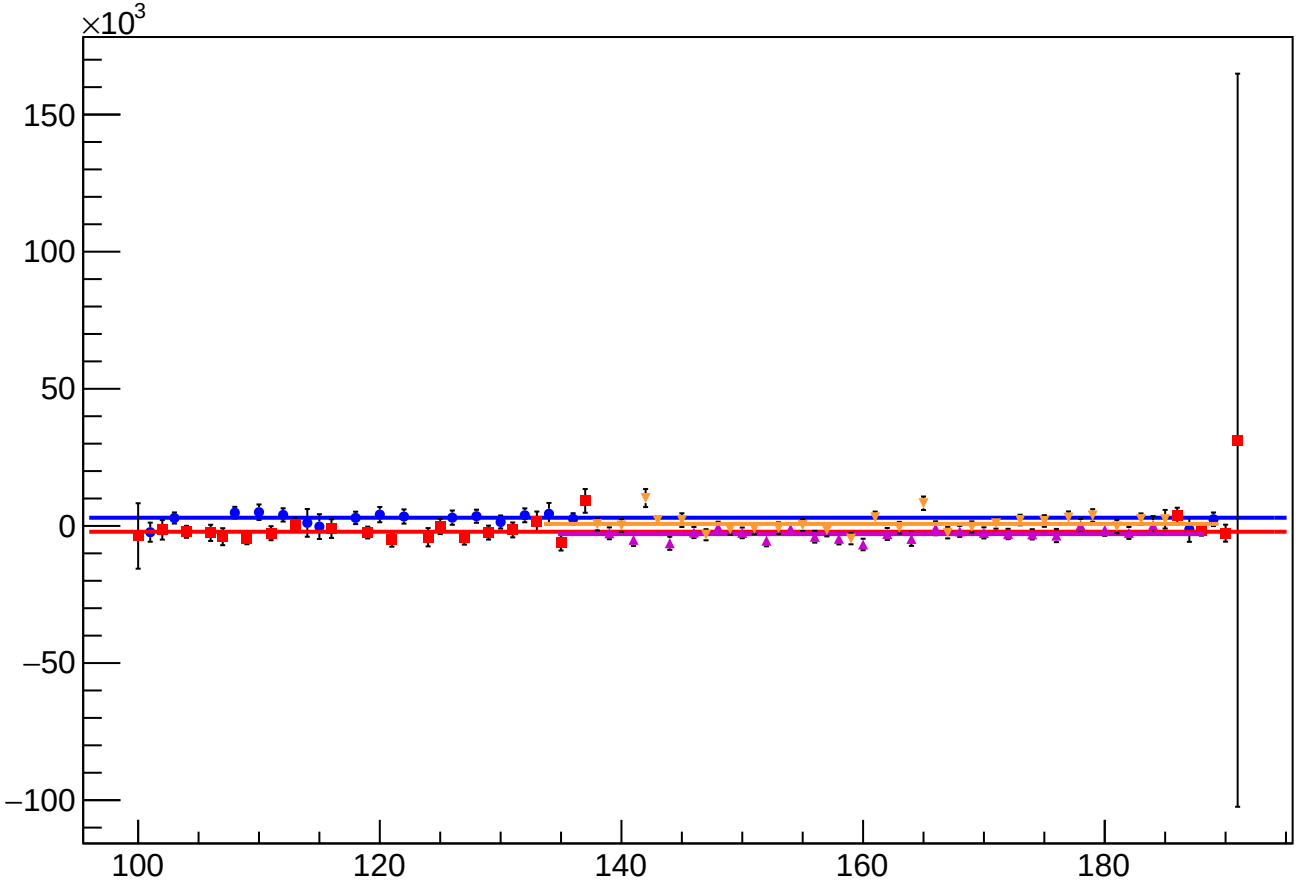
Left In: 9421.708+/-1.588 χ^2/NDF:1204848.0/22

+ sign 8375.989+/-1.172 χ^2/NDF: 3003894.0/42

All: 8372.530+/-0.825 χ^2/NDF: 6426442.2/88

- sign 8369.128+/-1.162 χ^2/NDF: 3422530.9/45

eigen_dit_asym_at2_avg_mean vs Slug



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: -2116.791+/-585.467 χ^2/NDF: 20.0/22

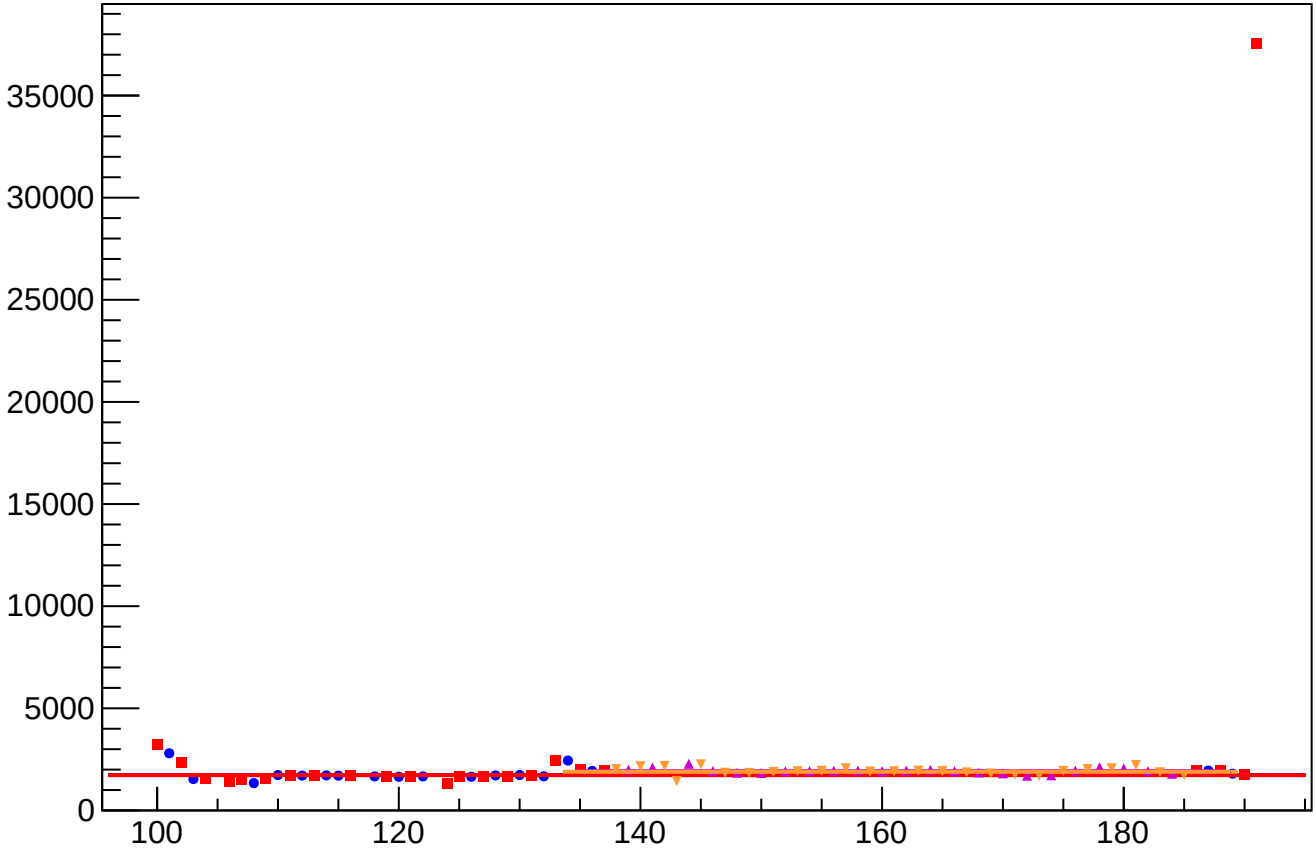
Left In: -2979.226+/-450.335 χ^2/NDF:15.6/22

+ sign 1470.691+/-355.602 χ^2/NDF: 56.7/42

All: -586.140+/-251.925 χ^2/NDF: 160.9/88

- sign -2658.639+/-356.954 χ^2/NDF: 37.0/45

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

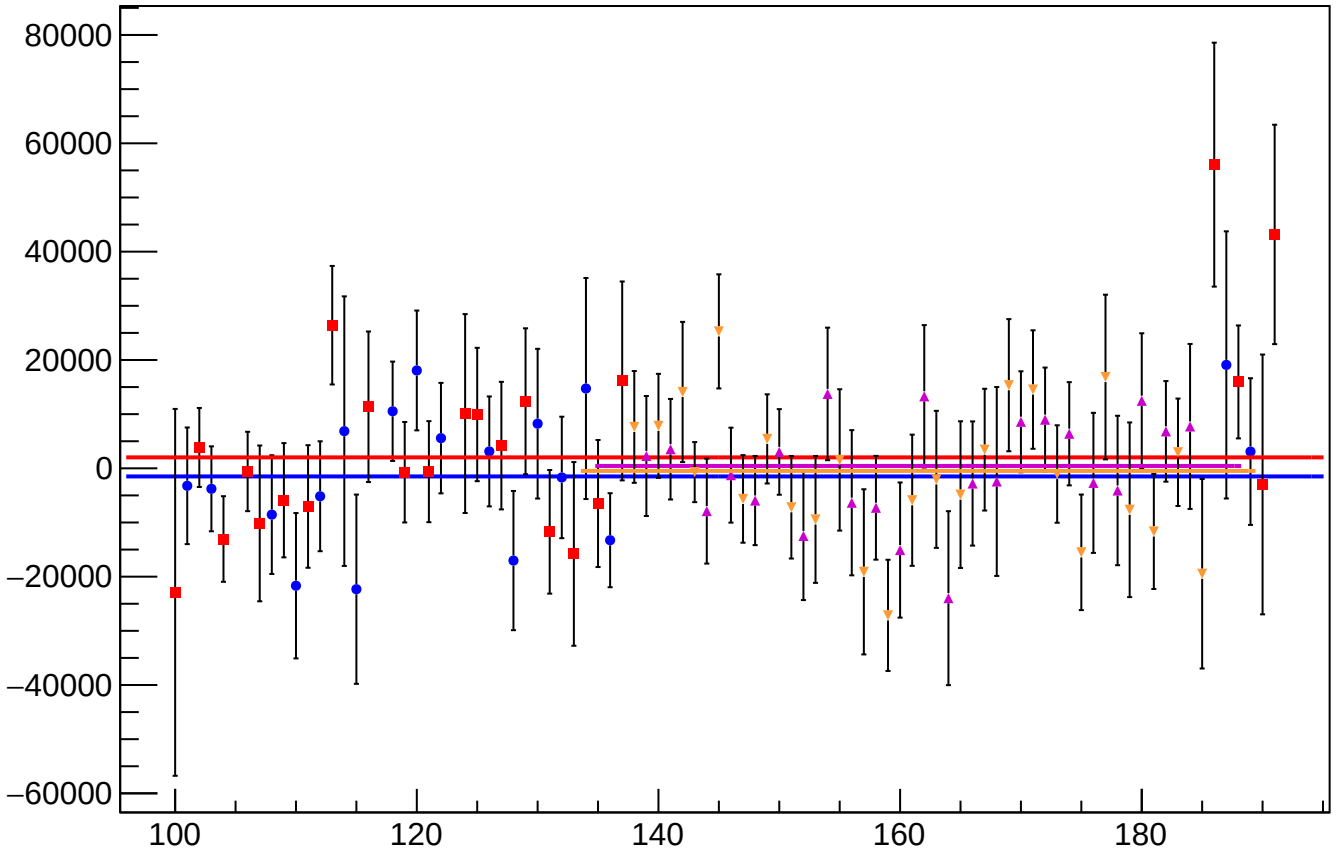
Right Out: 1729.529+/-0.414 χ^2/NDF: 476876.9/22

Left In: 1923.042+/-0.318 χ^2/NDF:150984.8/22

+ sign 1842.781+/-0.251 χ^2/NDF: 829230.3/42

All: 1846.915+/-0.178 χ^2/NDF: 1594965.1/88

- sign 1851.080+/-0.252 χ^2/NDF: 765192.0/45



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: 2020.510+/-2413.751 χ^2/NDF: 28.5/22

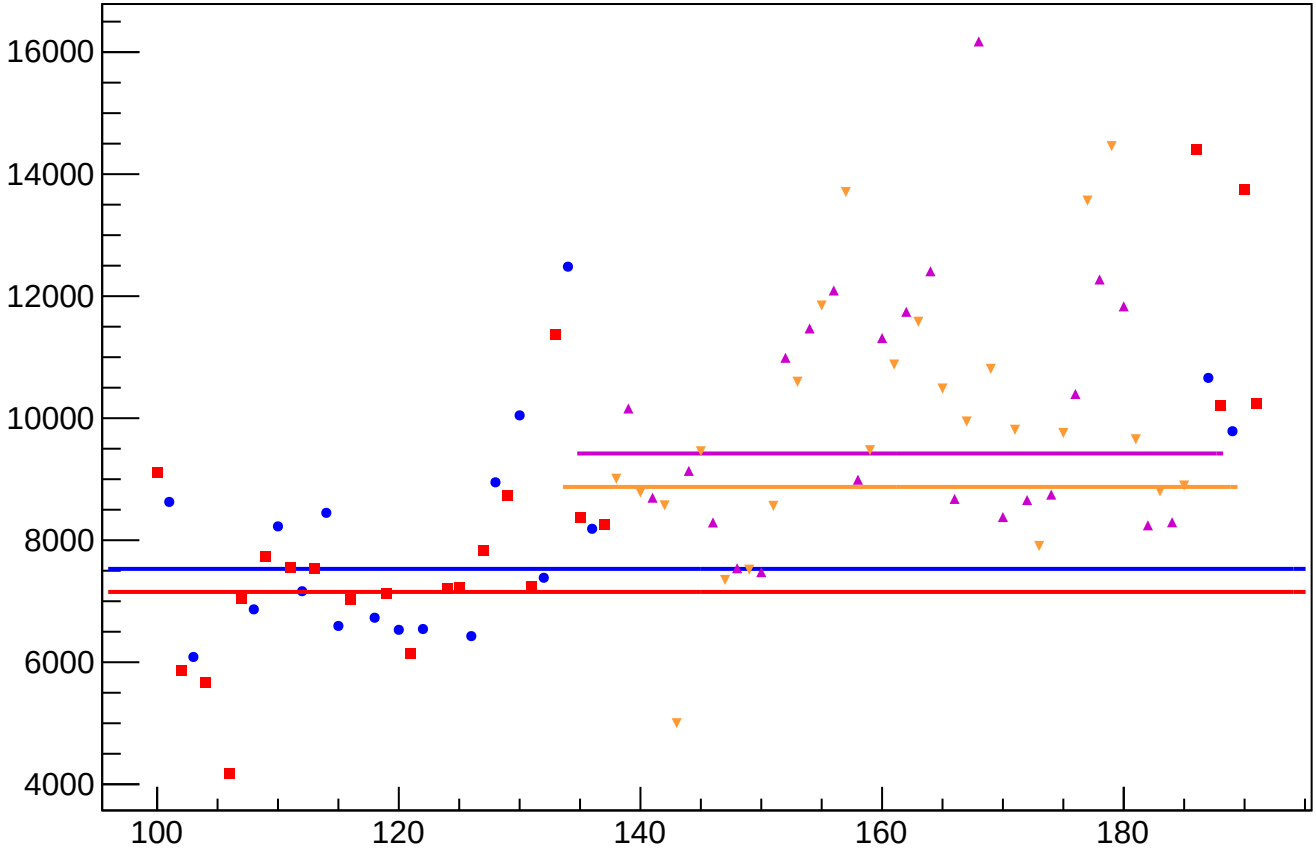
Left In: 436.720+/-2245.183 χ^2/NDF:13.6/22

\+ sign -856.468+/-1657.702 χ^2/NDF: 44.1/42

All: 165.905+/-1167.280 χ^2/NDF: 87.2/88

\- sign 1171.386+/-1643.950 χ^2/NDF: 42.3/45

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: 7152.538+/-1.707 χ^2/NDF: 1270038.3/22

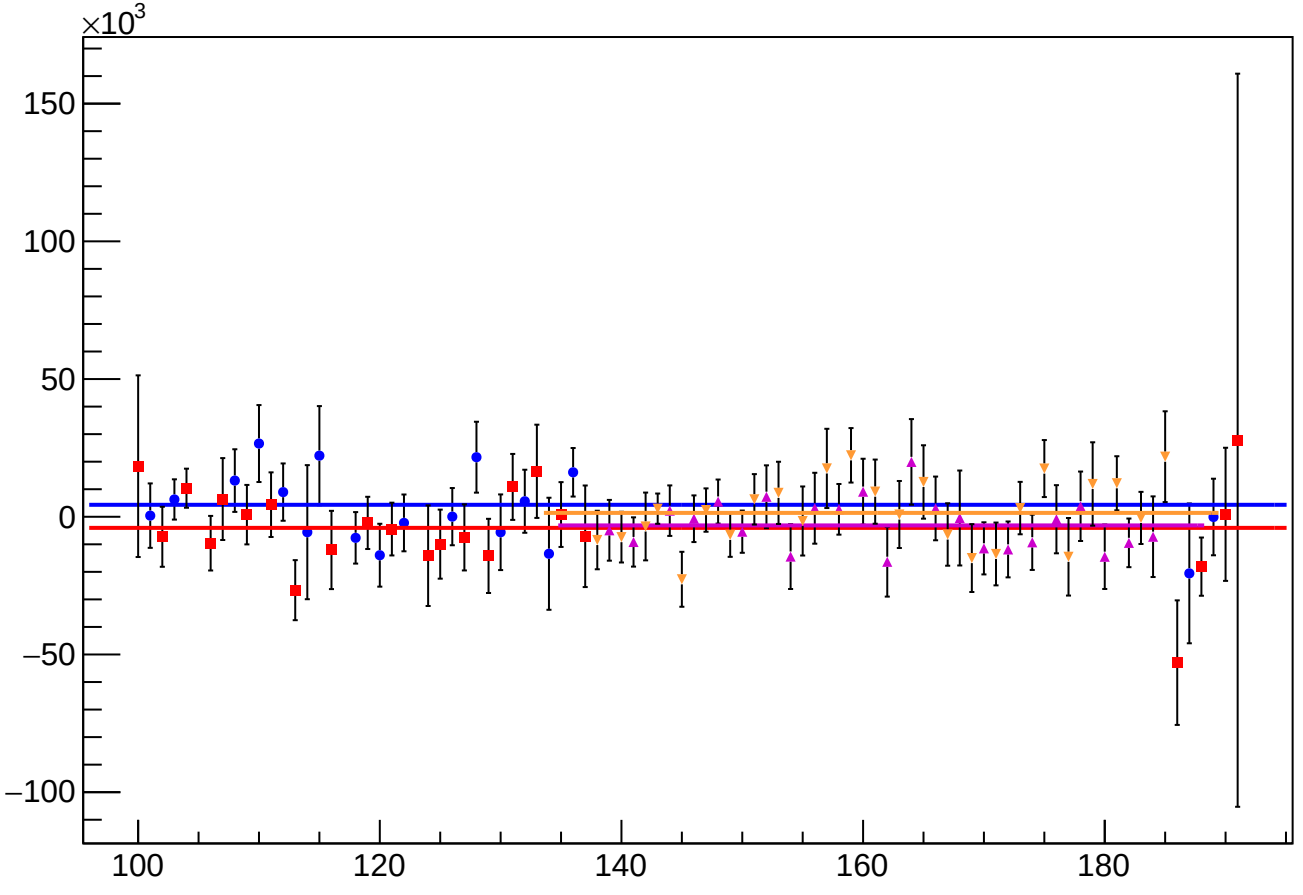
Left In: 9421.722+/-1.588 χ^2/NDF:1204851.9/22

+ sign 8375.990+/-1.172 χ^2/NDF: 3003914.4/42

All: 8372.529+/-0.825 χ^2/NDF: 6426493.4/88

- sign 8369.125+/-1.162 χ^2/NDF: 3422561.7/45

asym_at2_avg_mean vs Slug



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: -4032.233+/-2579.362 χ^2/NDF: 21.8/22

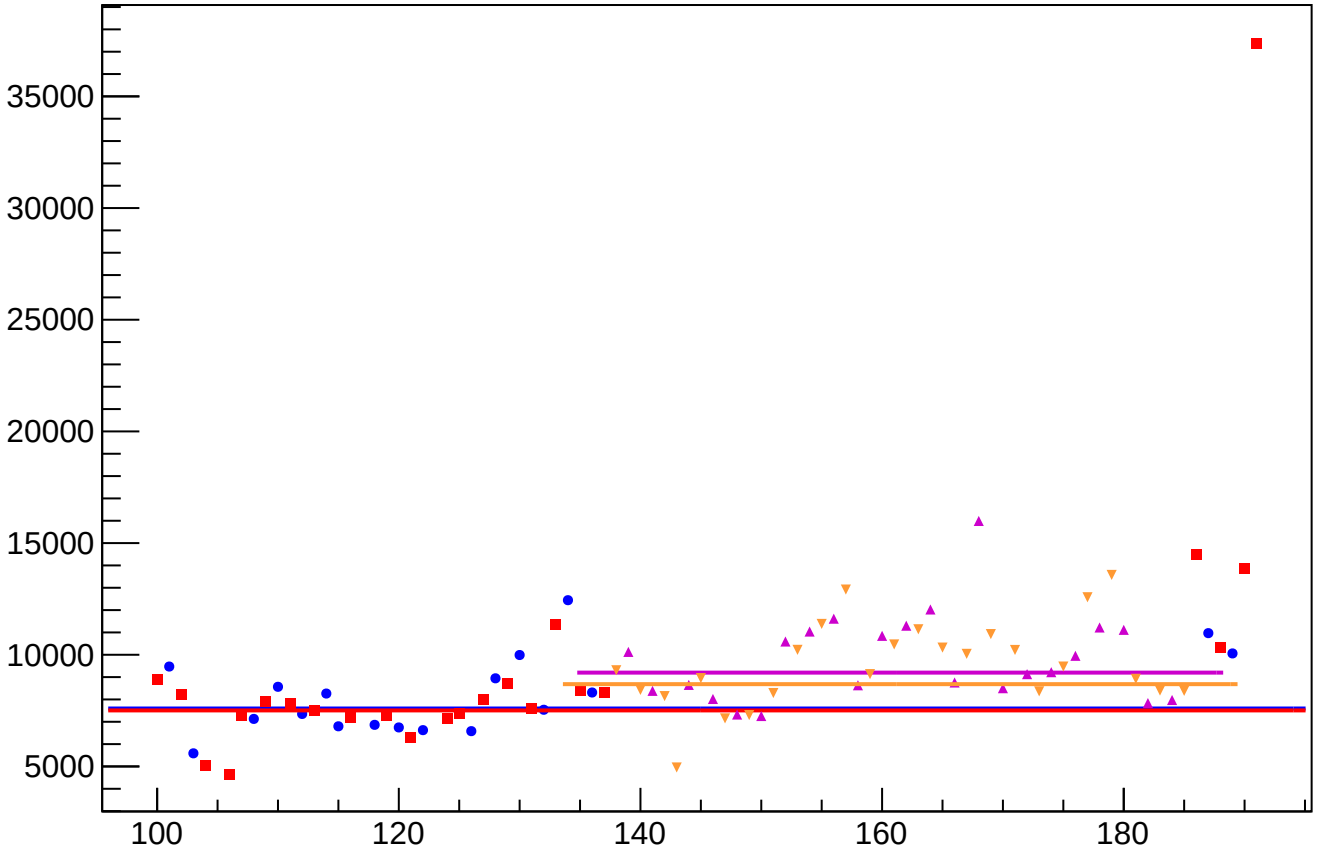
Left In: -3139.264+/-2189.465 χ^2/NDF:13.0/22

+ sign 2447.981+/-1639.570 χ^2/NDF: 43.6/42

All: -479.252+/-1169.684 χ^2/NDF: 84.9/88

- sign -3513.225+/-1669.195 χ^2/NDF: 34.8/45

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: 7508.885+/-1.824 χ^2/NDF: 1175858.7/22

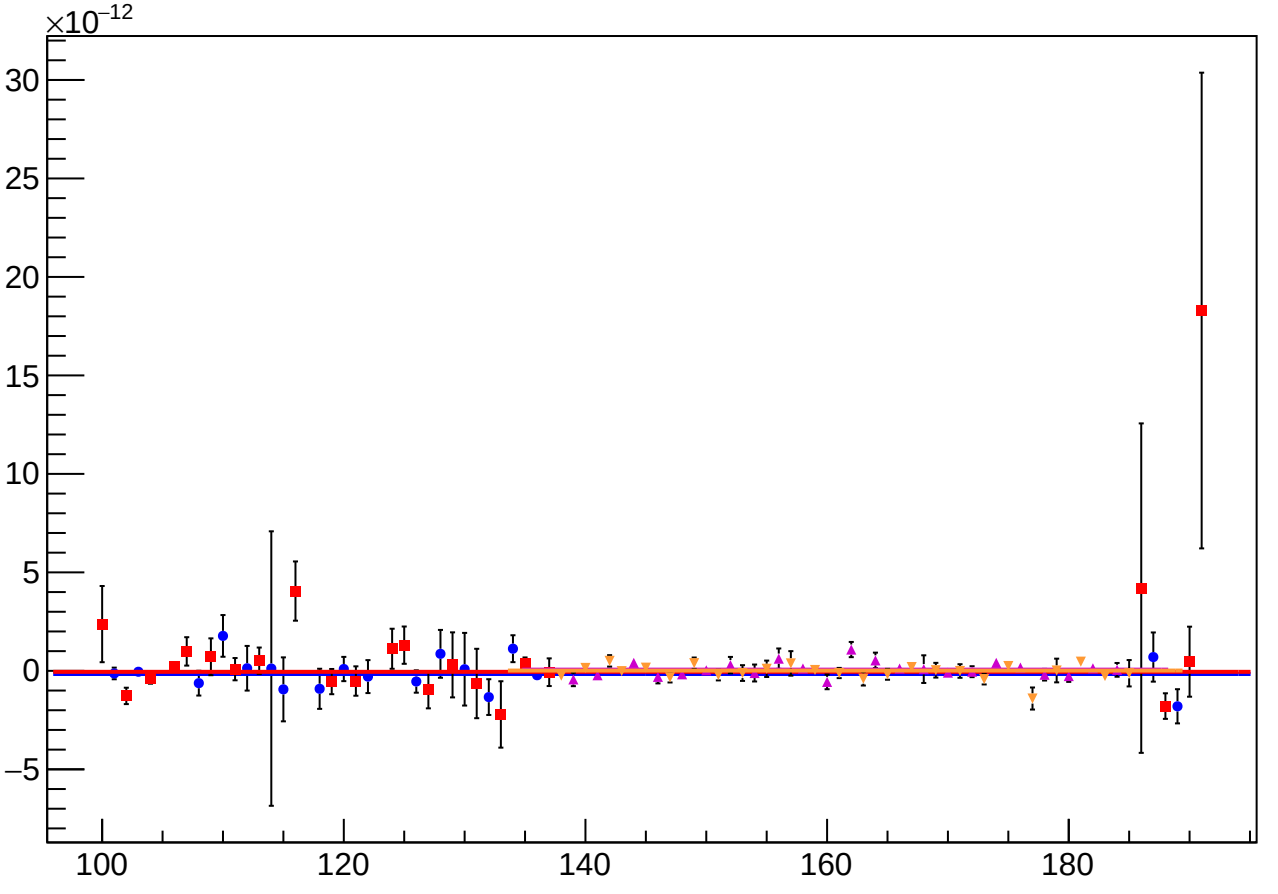
Left In: 9200.796+/-1.548 χ^2/NDF:1129421.3/22

+ sign 8298.510+/-1.159 χ^2/NDF: 2843860.6/42

All: 8393.619+/-0.827 χ^2/NDF: 5663037.6/88

- sign 8492.189+/-1.180 χ^2/NDF: 2805472.2/45

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: 42.8/22

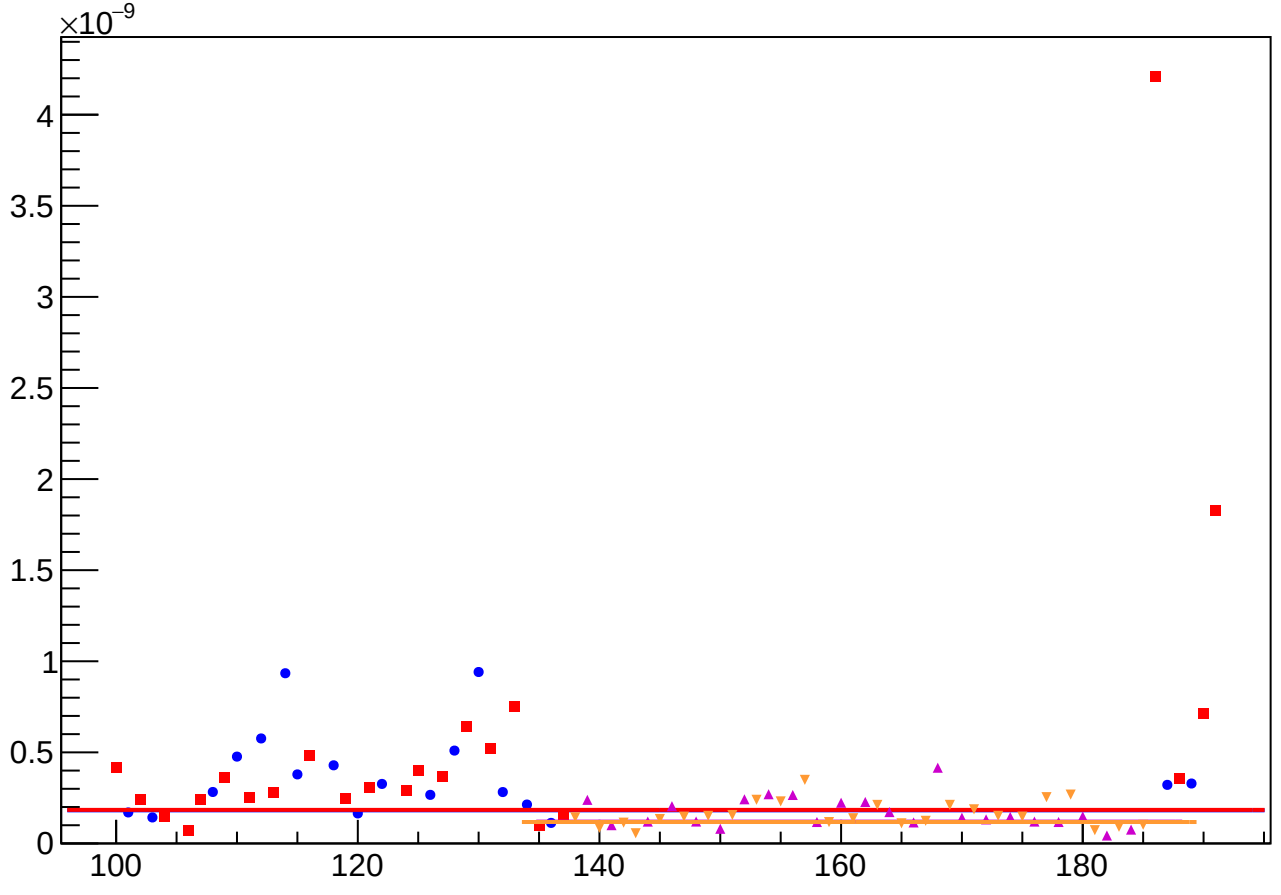
Left In: 0.000+/-0.000 χ^2/NDF:27.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 46.4/42

All: 0.000+/-0.000 χ^2/NDF: 118.3/88

- sign 0.000+/-0.000 χ^2/NDF: 71.3/45

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: 2470864.9/22

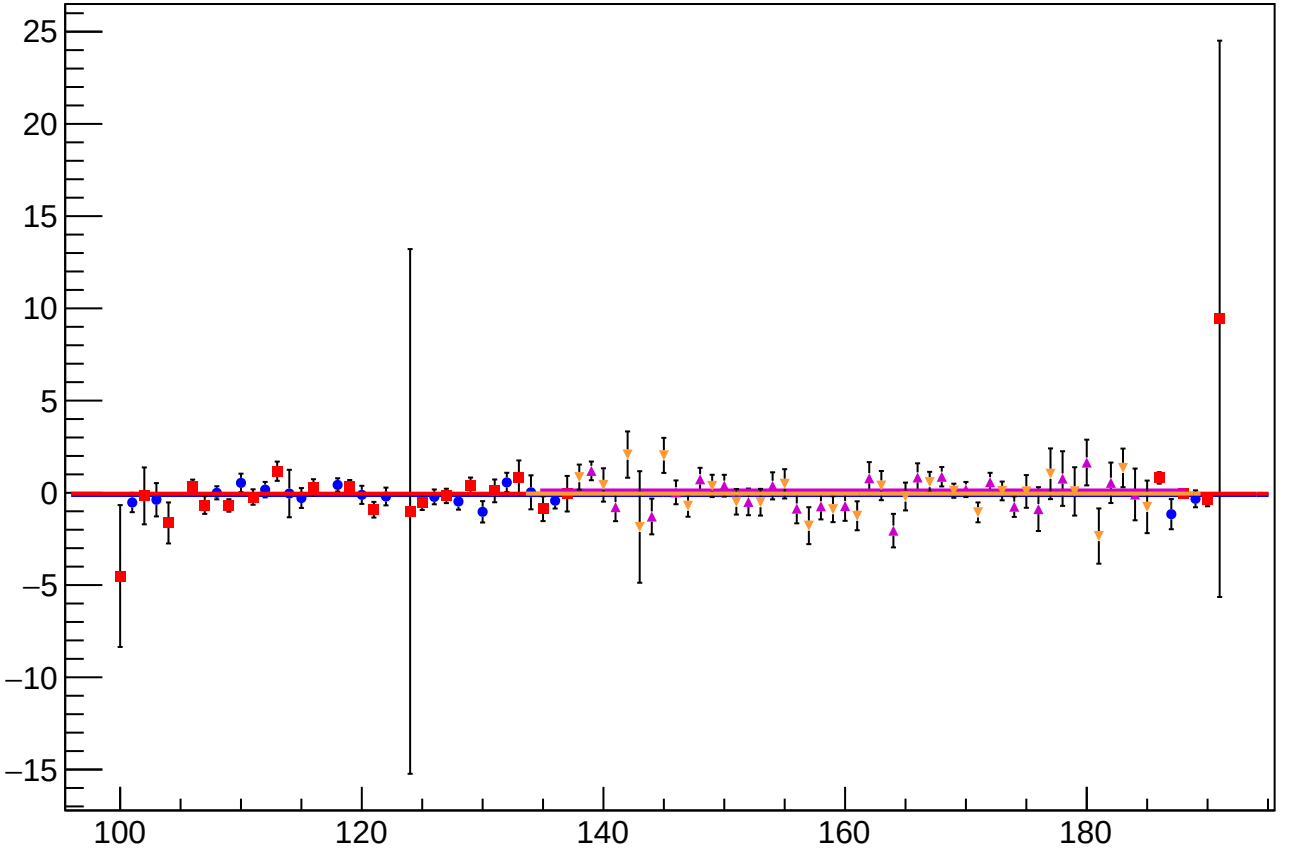
Left In: 0.000+/-0.000 χ^2/NDF:2660632.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 4452030.8/42

All: 0.000+/-0.000 χ^2/NDF: 10068826.6/88

- sign 0.000+/-0.000 χ^2/NDF: 5612955.6/45

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: -0.046+/-0.090 χ^2/NDF: 34.8/22

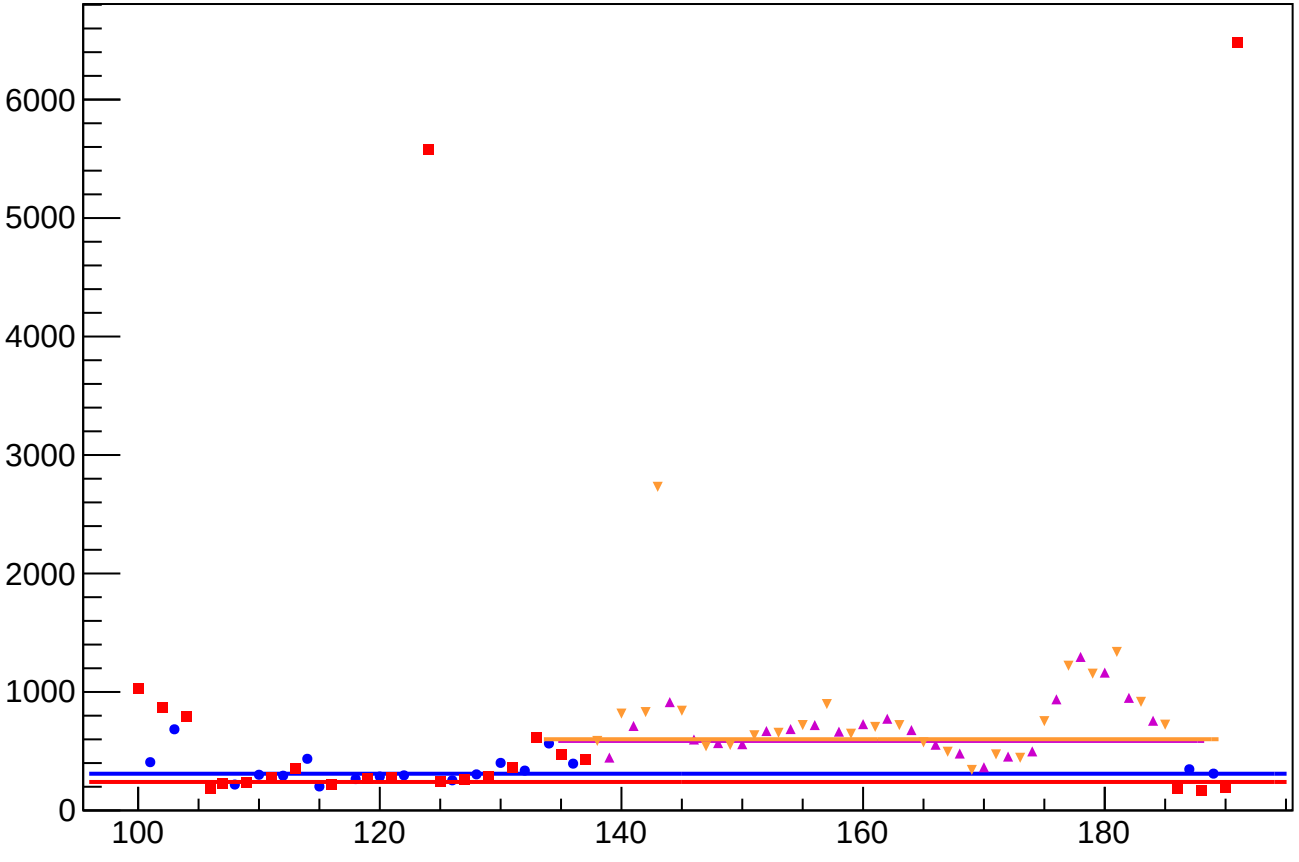
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.088+/-0.091 χ^2/NDF: 43.0/42

All: -0.035+/-0.059 χ^2/NDF: 108.4/88

- sign 0.003+/-0.077 χ^2/NDF: 64.8/45

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: 240.455+/-0.064 χ^2/NDF: 2911658.9/22

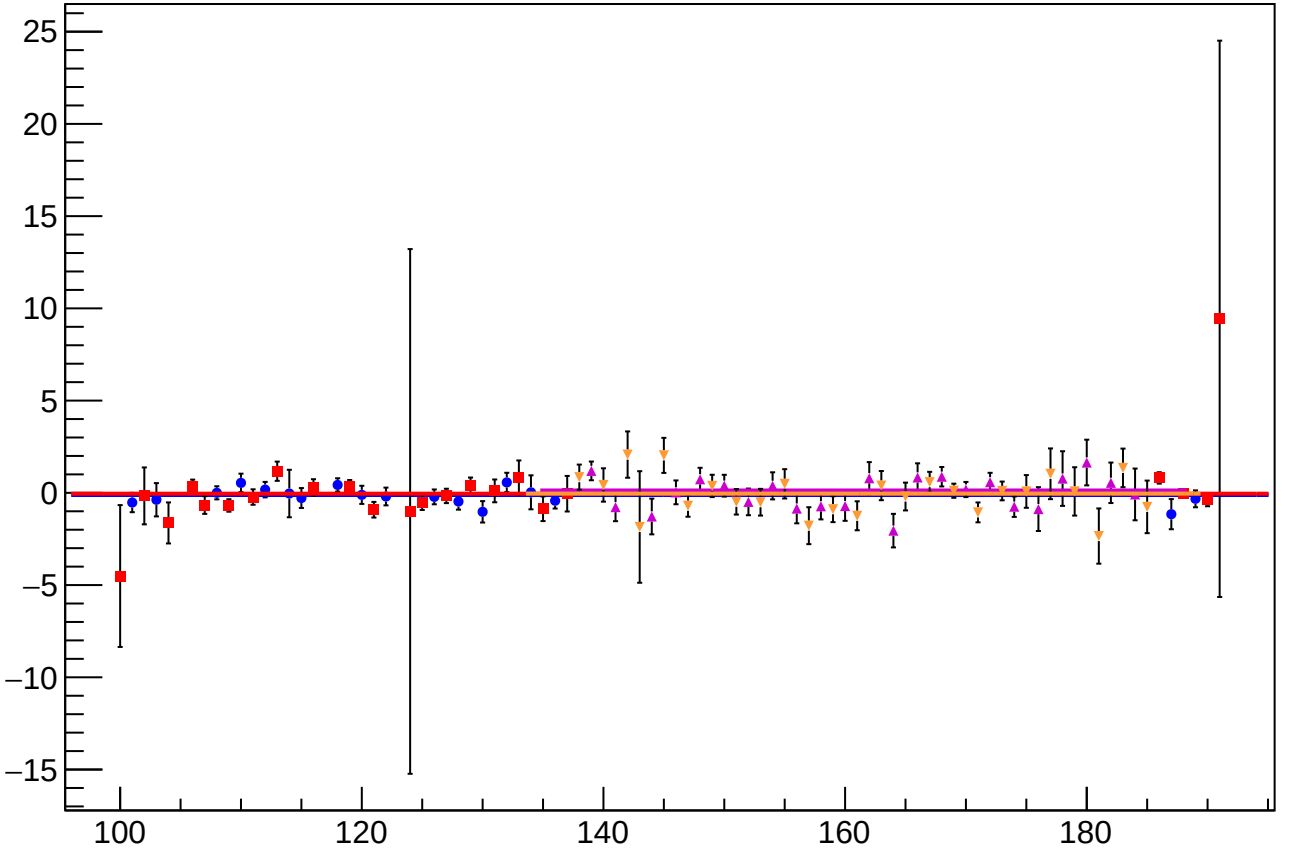
Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 421.935+/-0.065 χ^2/NDF: 10277857.3/42

All: 372.269+/-0.042 χ^2/NDF: 25328627.5/88

- sign 337.277+/-0.054 χ^2/NDF: 14045440.5/45

asym_at2_avg_dit_vs_eigen_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: -0.046+/-0.090 χ^2/NDF: 34.8/22

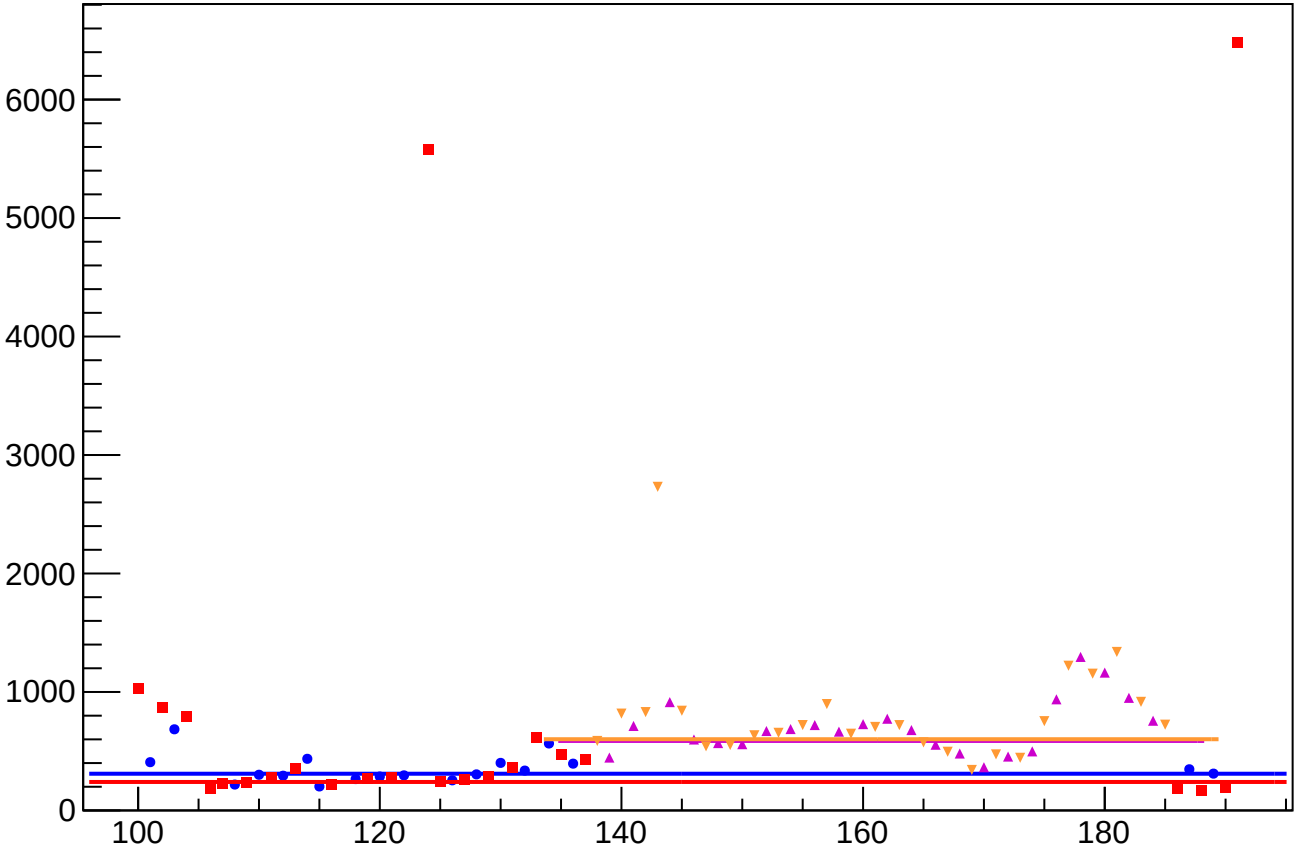
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.088+/-0.091 χ^2/NDF: 43.0/42

All: -0.035+/-0.059 χ^2/NDF: 108.4/88

- sign 0.003+/-0.077 χ^2/NDF: 64.8/45

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

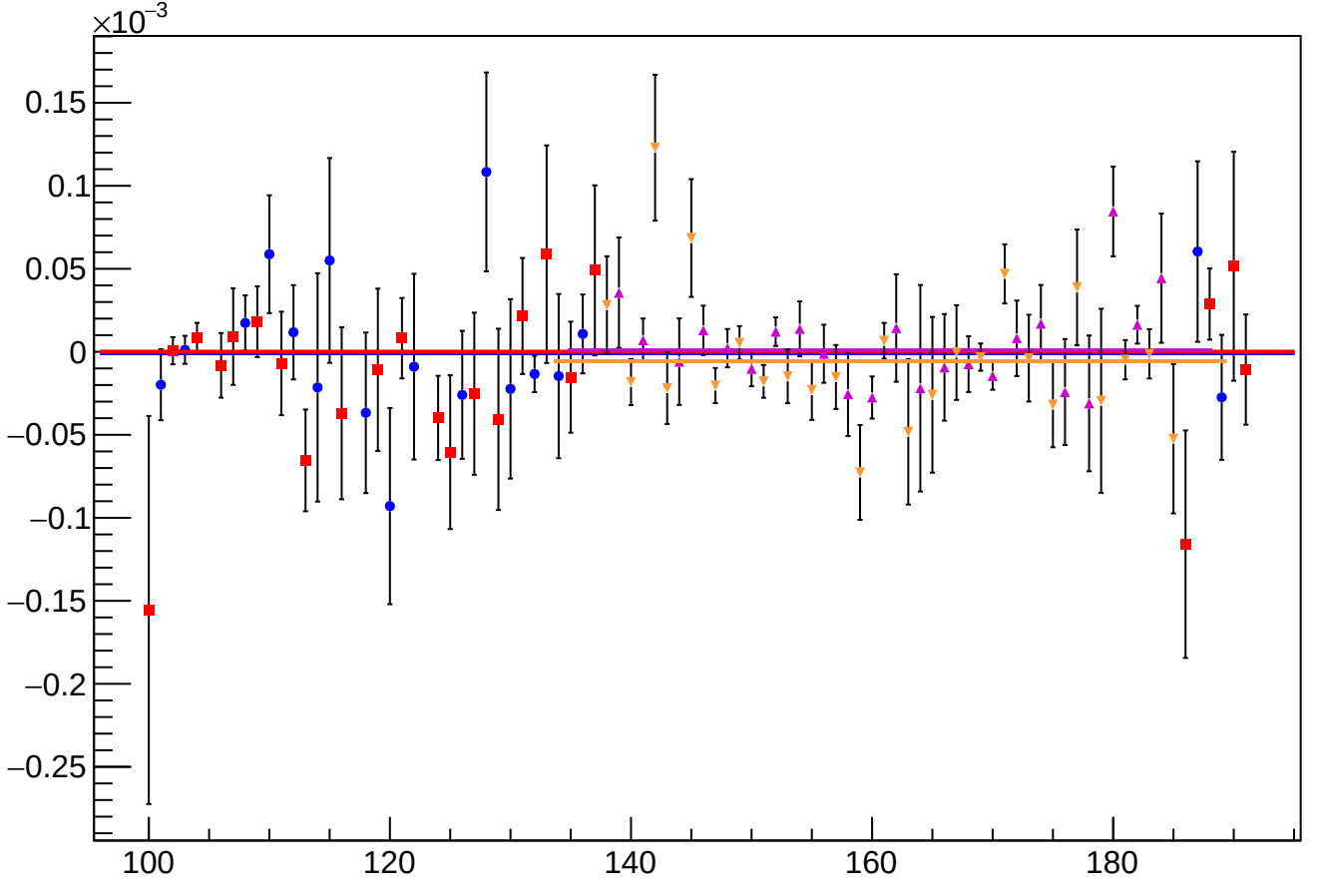
Right Out: 240.455+/-0.064 χ^2/NDF: 2911658.9/22

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 421.935+/-0.065 χ^2/NDF: 10277857.3/42

All: 372.269+/-0.042 χ^2/NDF: 25328627.5/88

- sign 337.277+/-0.054 χ^2/NDF: 14045440.5/45



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/17

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/24

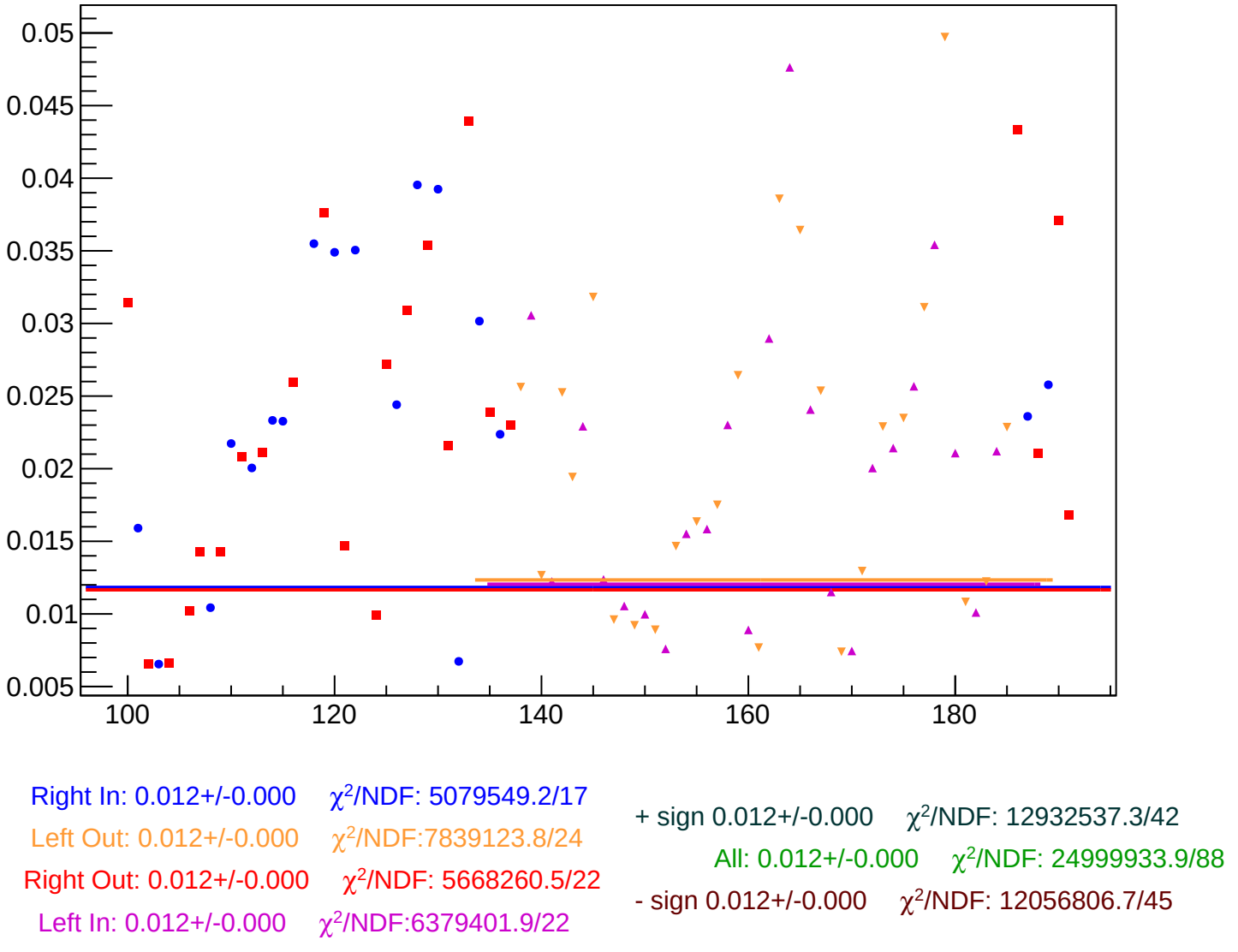
Right Out: 0.000+/-0.000 χ^2/NDF: 21.5/22

Left In: 0.000+/-0.000 χ^2/NDF:30.2/22

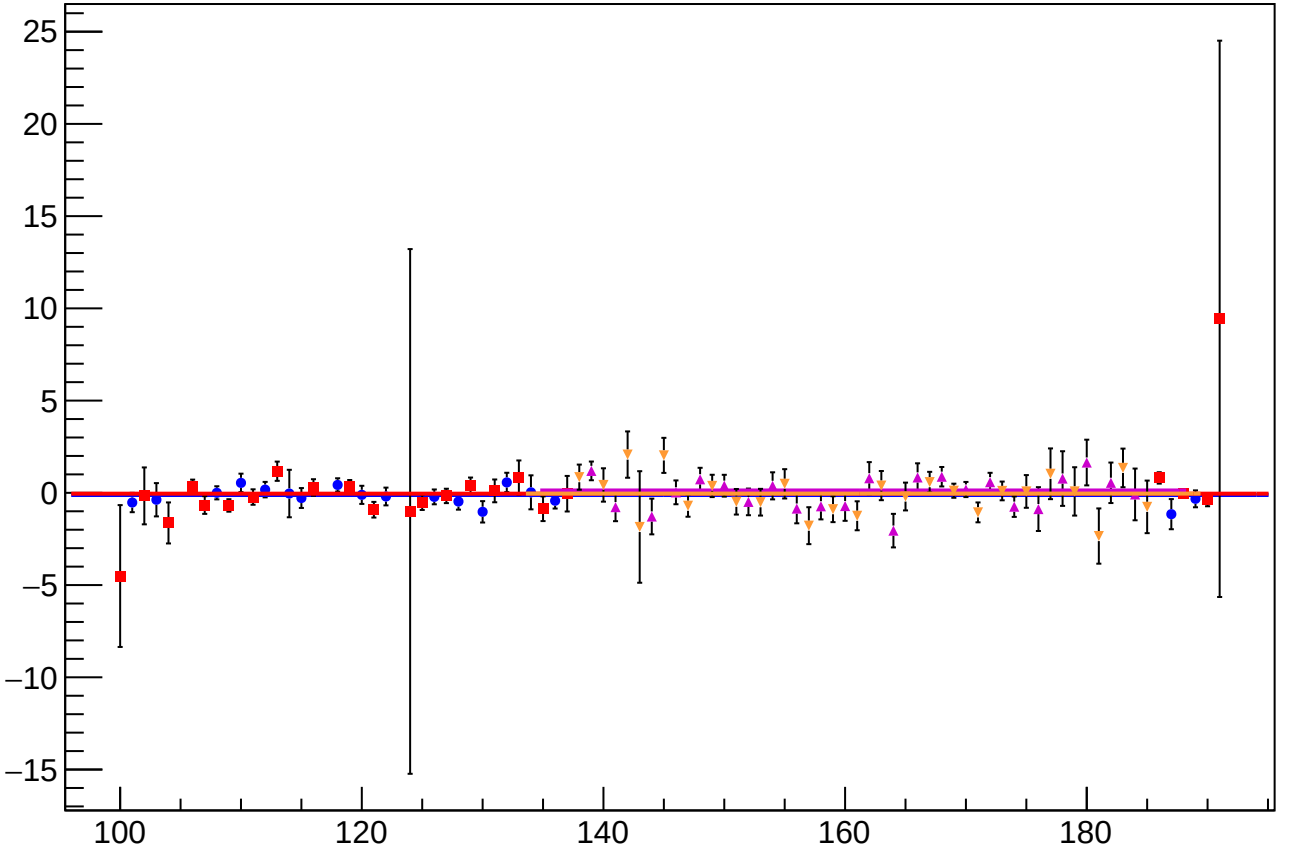
+ sign -0.000+/-0.000 χ^2/NDF: 59.5/42

All: -0.000+/-0.000 χ^2/NDF: 112.9/88

- sign 0.000+/-0.000 χ^2/NDF: 51.7/45


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
120
140
160
180
Right In: 0.012+/-0.000 χ²/NDF: 5079549.2/17
Left Out: 0.012+/-0.000 χ²/NDF:7839123.8/24
Right Out: 0.012+/-0.000 χ²/NDF: 5668260.5/22
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: 24999933.9/88
- sign 0.012+/-0.000 χ²/NDF: 12056806.7/45

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: -0.046+/-0.090 χ^2/NDF: 34.8/22

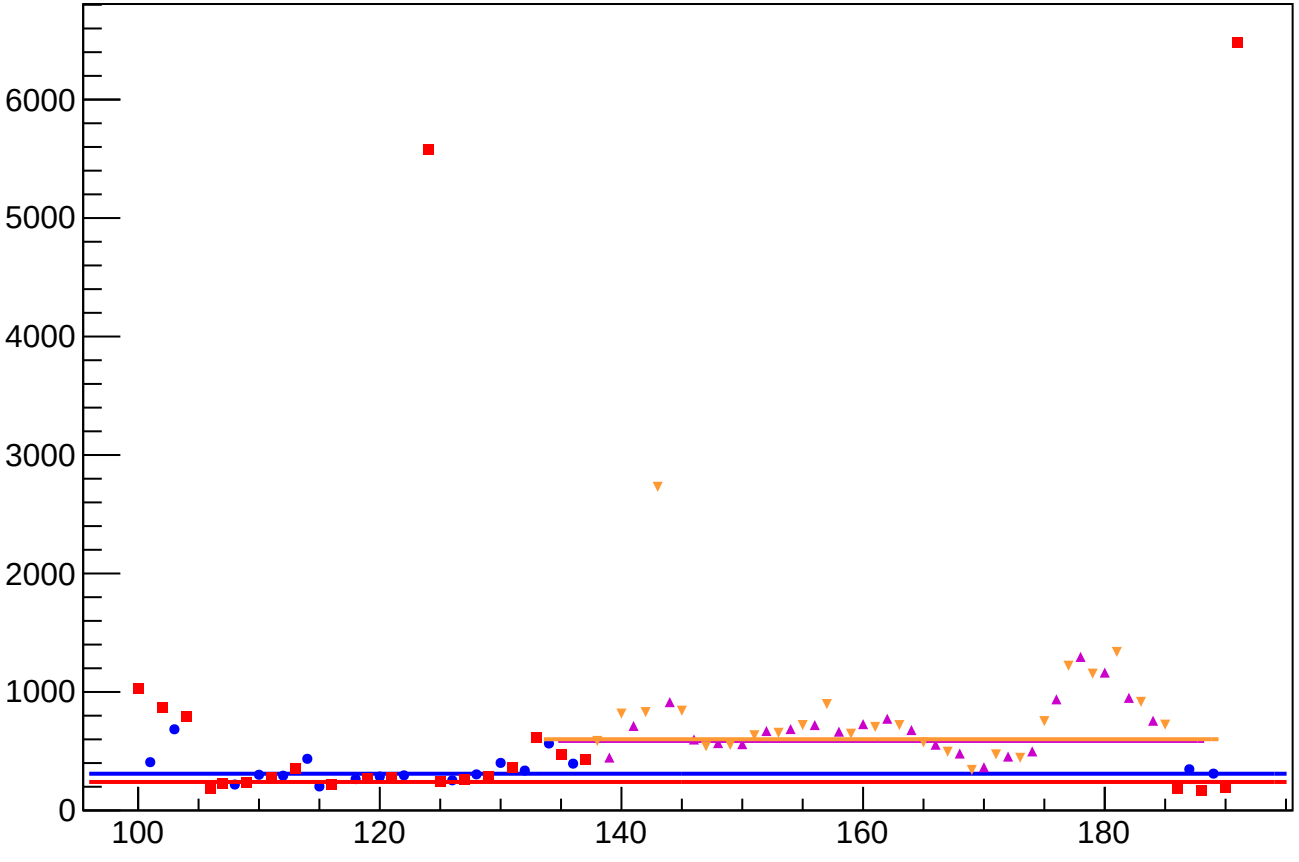
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.088+/-0.091 χ^2/NDF: 43.0/42

All: -0.035+/-0.059 χ^2/NDF: 108.4/88

- sign 0.003+/-0.077 χ^2/NDF: 64.8/45

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

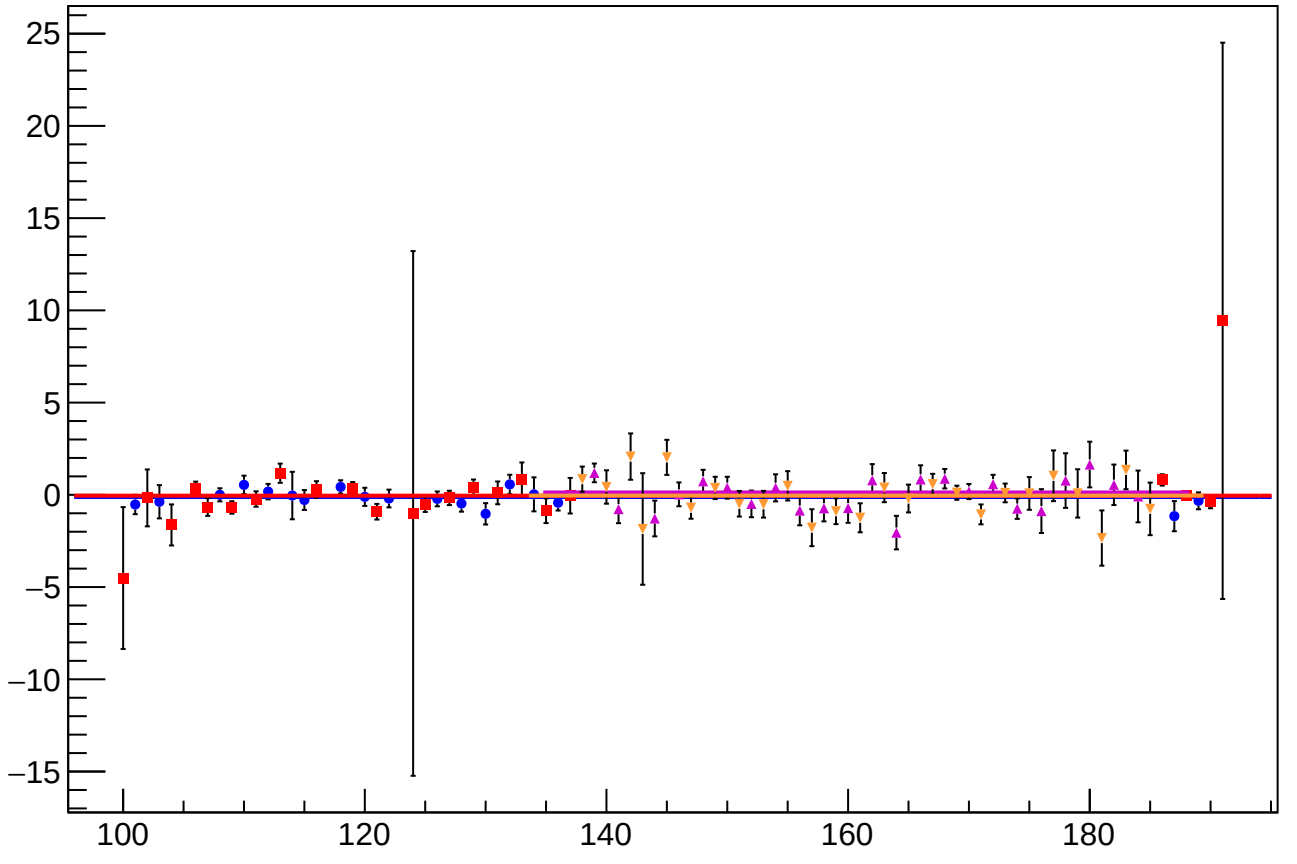
Right Out: 240.448+/-0.064 χ^2/NDF: 2911793.6/22

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

+ sign 421.933+/-0.065 χ^2/NDF: 10278085.3/42

All: 372.263+/-0.042 χ^2/NDF: 25329759.5/88

- sign 337.268+/-0.054 χ^2/NDF: 14046181.2/45



Right In: -0.118+/-0.117 χ^2/NDF: 12.7/17

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

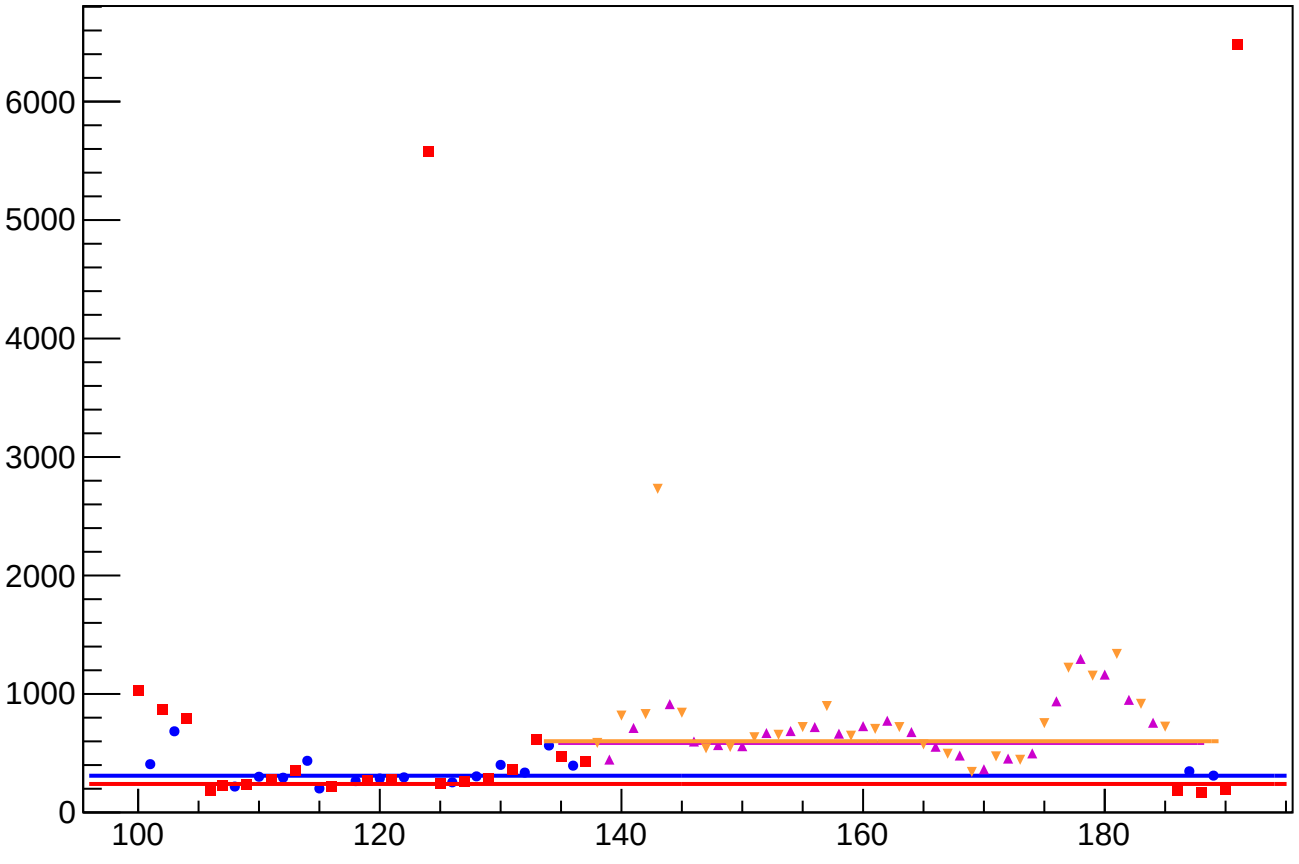
Right Out: -0.046+/-0.090 χ^2/NDF: 34.8/22

Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.088+/-0.091 χ^2/NDF: 43.0/42

All: -0.035+/-0.059 χ^2/NDF: 108.4/88

- sign 0.003+/-0.077 χ^2/NDF: 64.8/45



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: 240.448+/-0.064 χ^2/NDF: 2911793.6/22

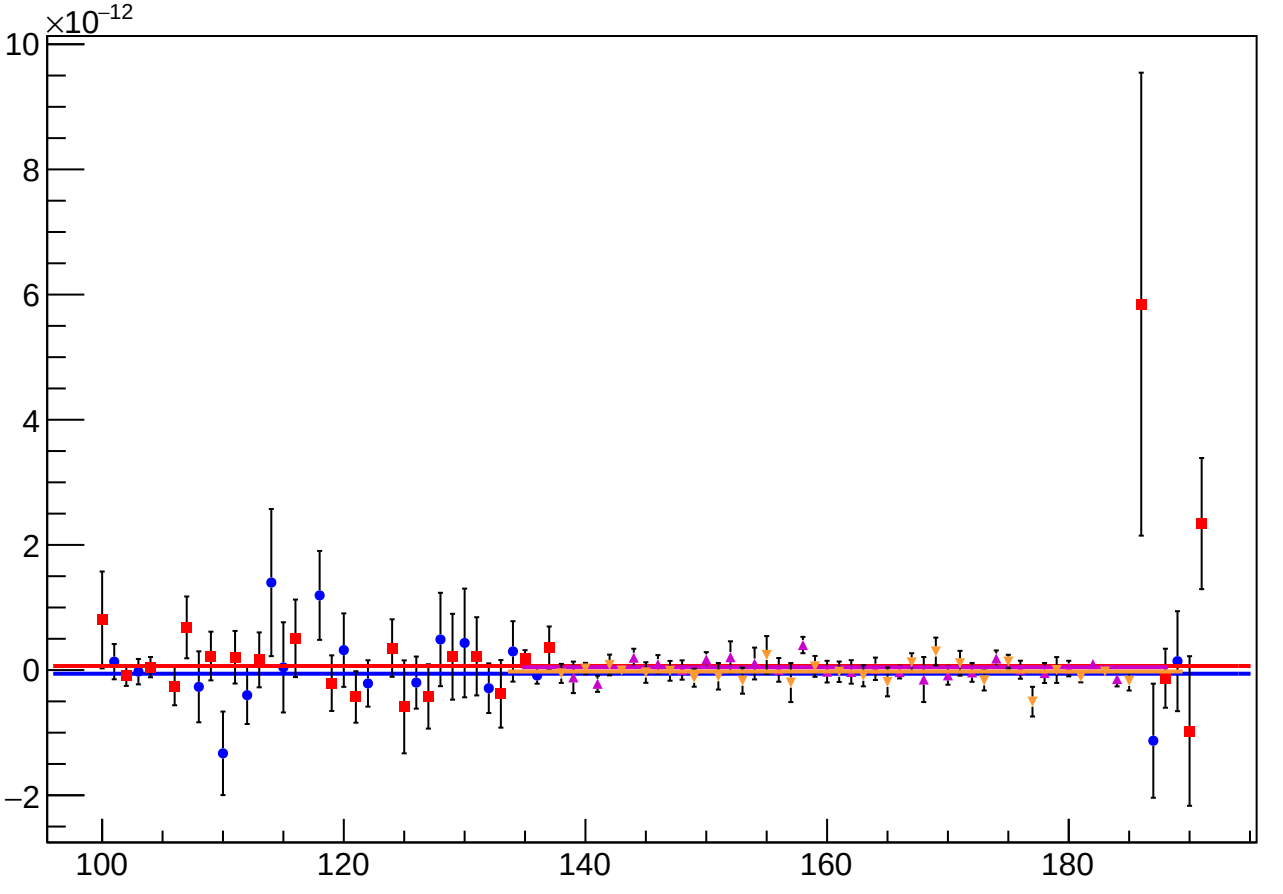
Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

+ sign 421.933+/-0.065 χ^2/NDF: 10278085.3/42

All: 372.263+/-0.042 χ^2/NDF: 25329759.5/88

- sign 337.268+/-0.054 χ^2/NDF: 14046181.2/45

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: 19.5/22

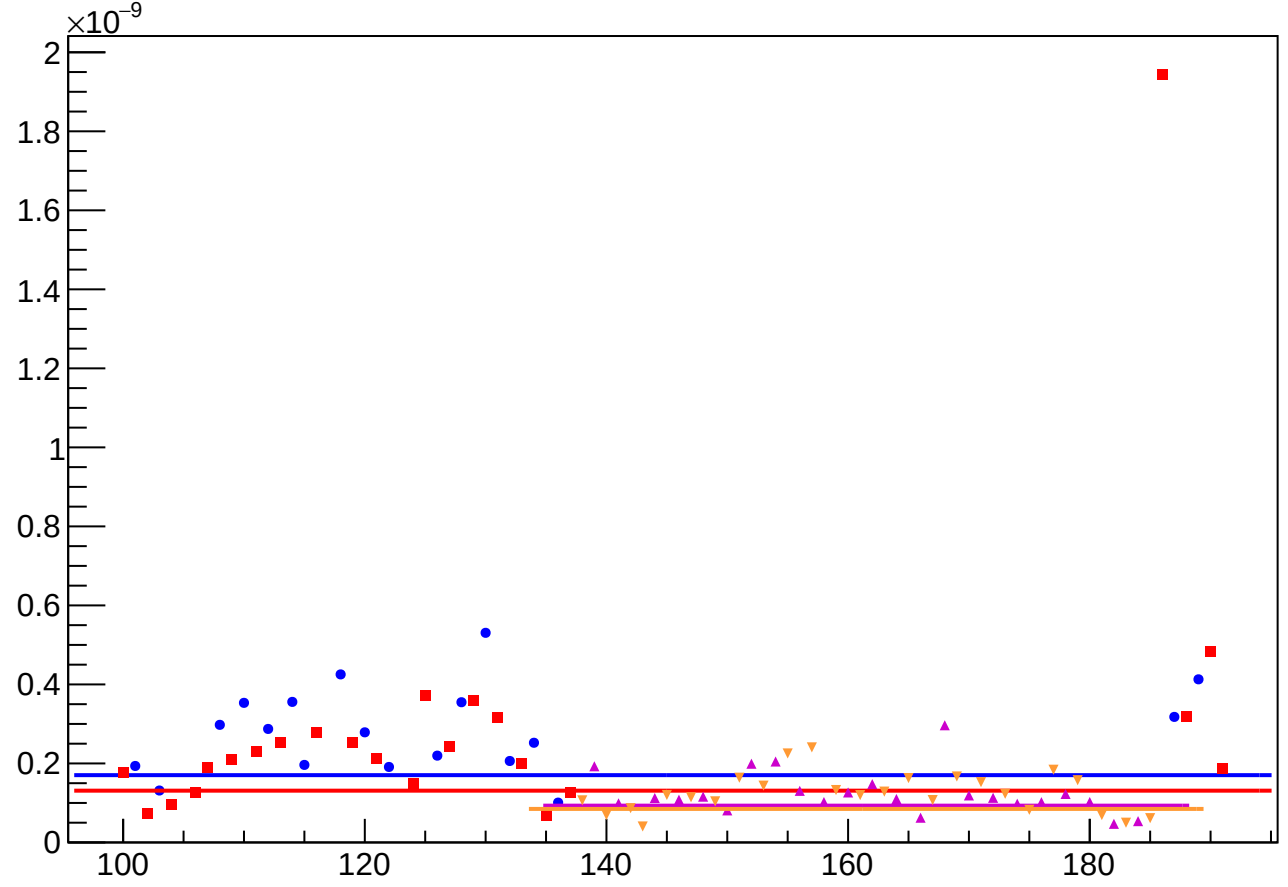
Left In: 0.000+/-0.000 χ^2/NDF:22.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 29.9/42

All: 0.000+/-0.000 χ^2/NDF: 75.7/88

- sign 0.000+/-0.000 χ^2/NDF: 41.6/45

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: 3203453.6/22

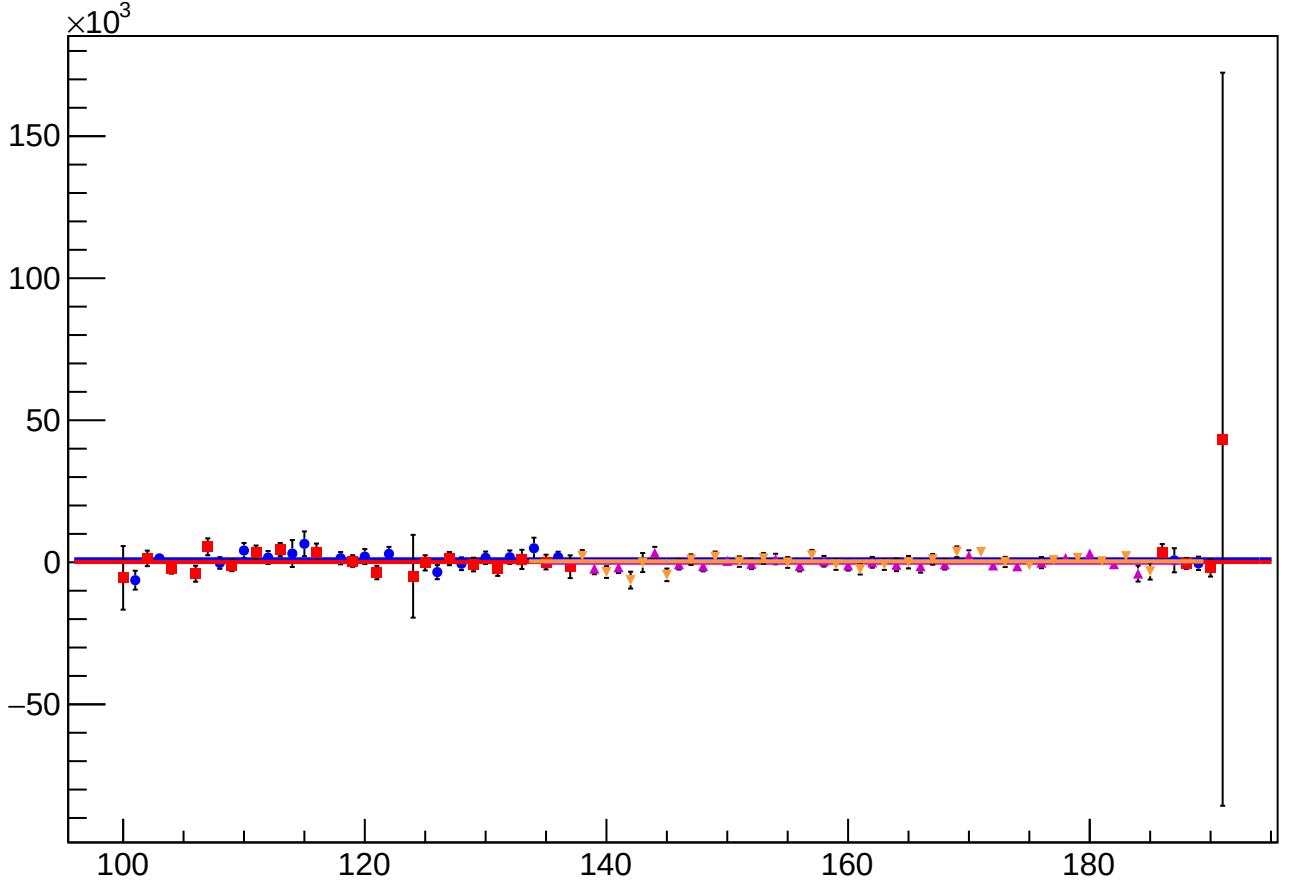
Left In: 0.000+/-0.000 χ^2/NDF:3869234.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 9508041.7/42

All: 0.000+/-0.000 χ^2/NDF: 17156102.2/88

- sign 0.000+/-0.000 χ^2/NDF: 7589735.1/45

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: 96.287+/-554.648 χ^2/NDF: 20.4/22

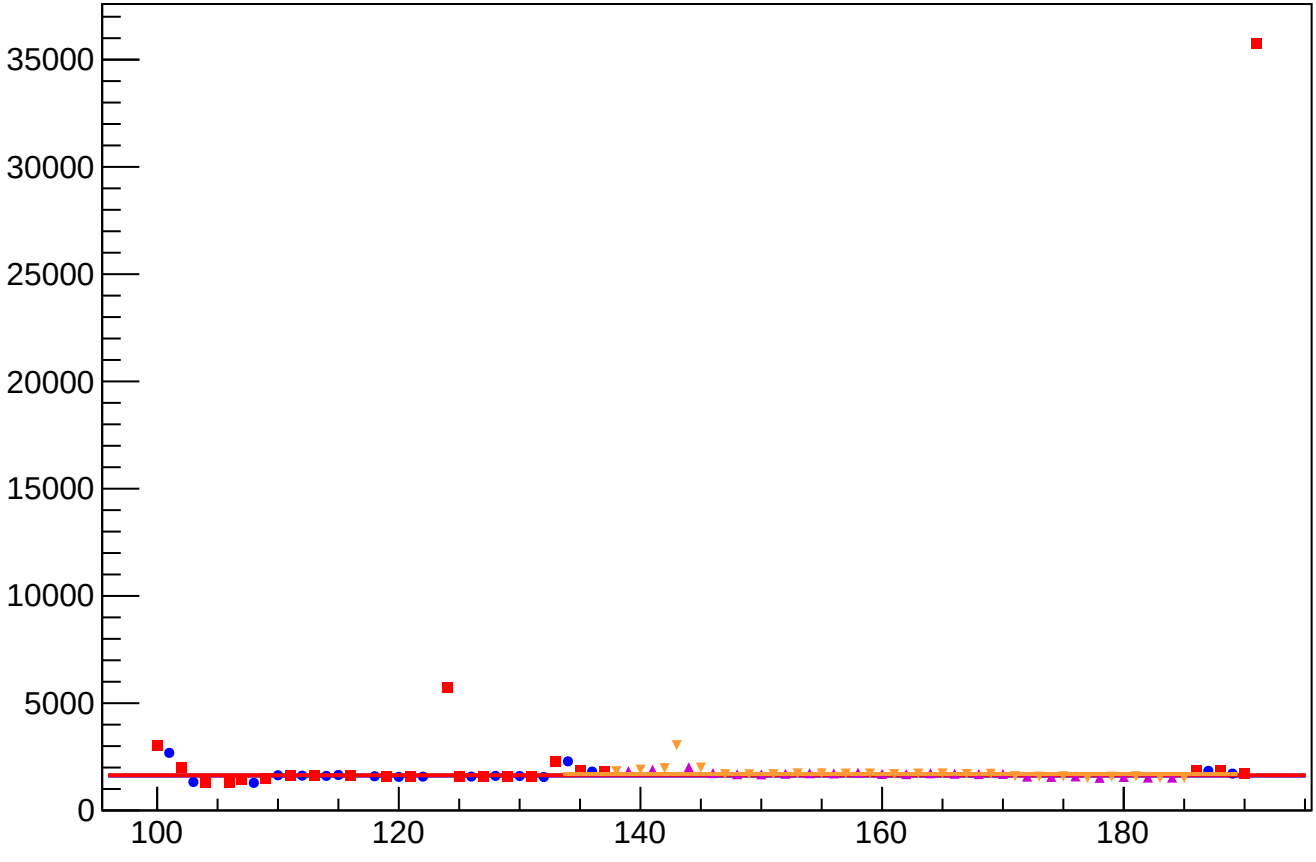
Left In: -157.028+/-394.257 χ^2/NDF:16.0/22

+ sign 576.745+/-323.286 χ^2/NDF: 45.4/42

All: 250.421+/-227.908 χ^2/NDF: 84.0/88

- sign -71.998+/-321.346 χ^2/NDF: 36.6/45

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: 1640.178+/-0.392 χ^2/NDF: 623582.4/22

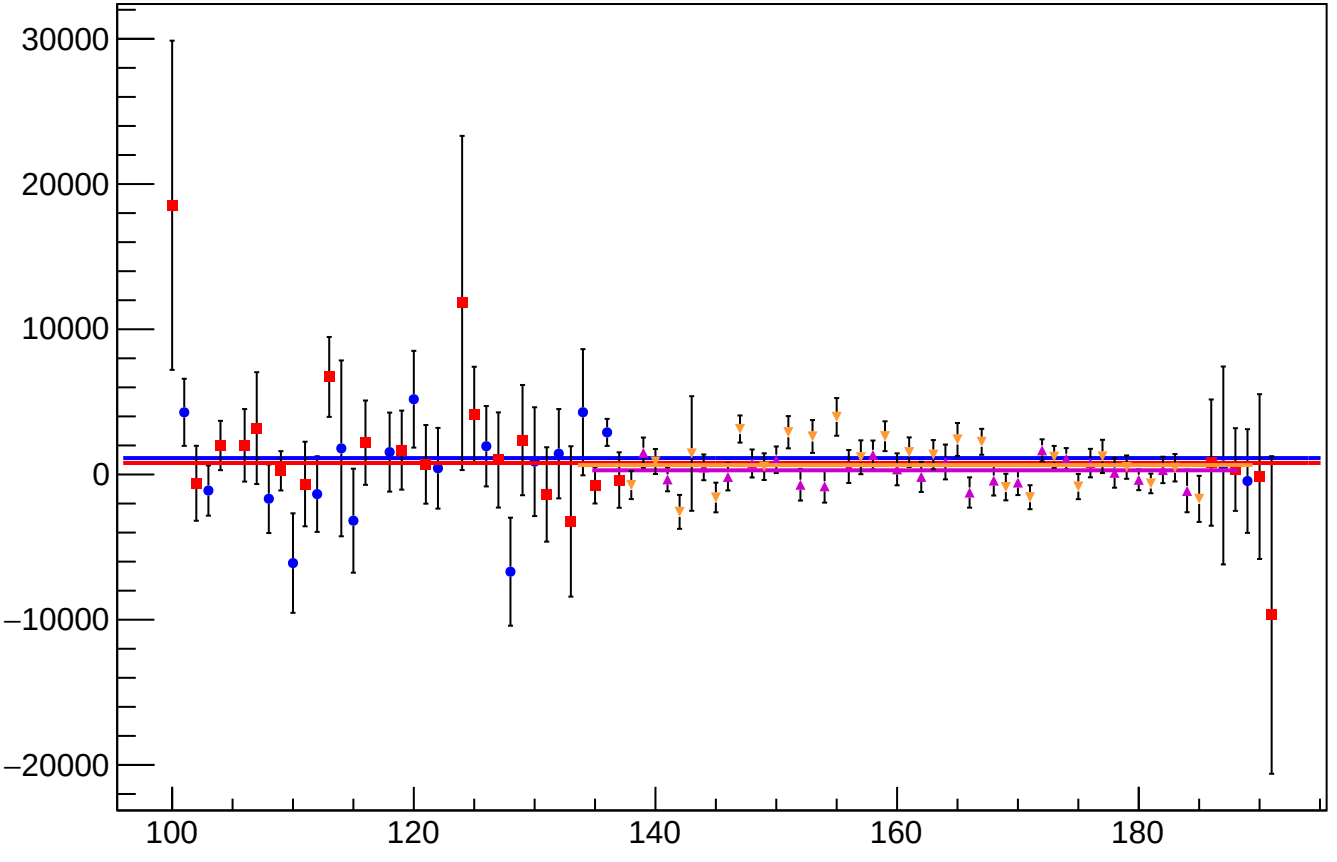
Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1675.119+/-0.229 χ^2/NDF: 930961.0/42

All: 1672.380+/-0.161 χ^2/NDF: 1728698.4/88

- sign 1669.674+/-0.227 χ^2/NDF: 797452.0/45

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: 790.911+/-539.650 χ^2/NDF: 15.2/22

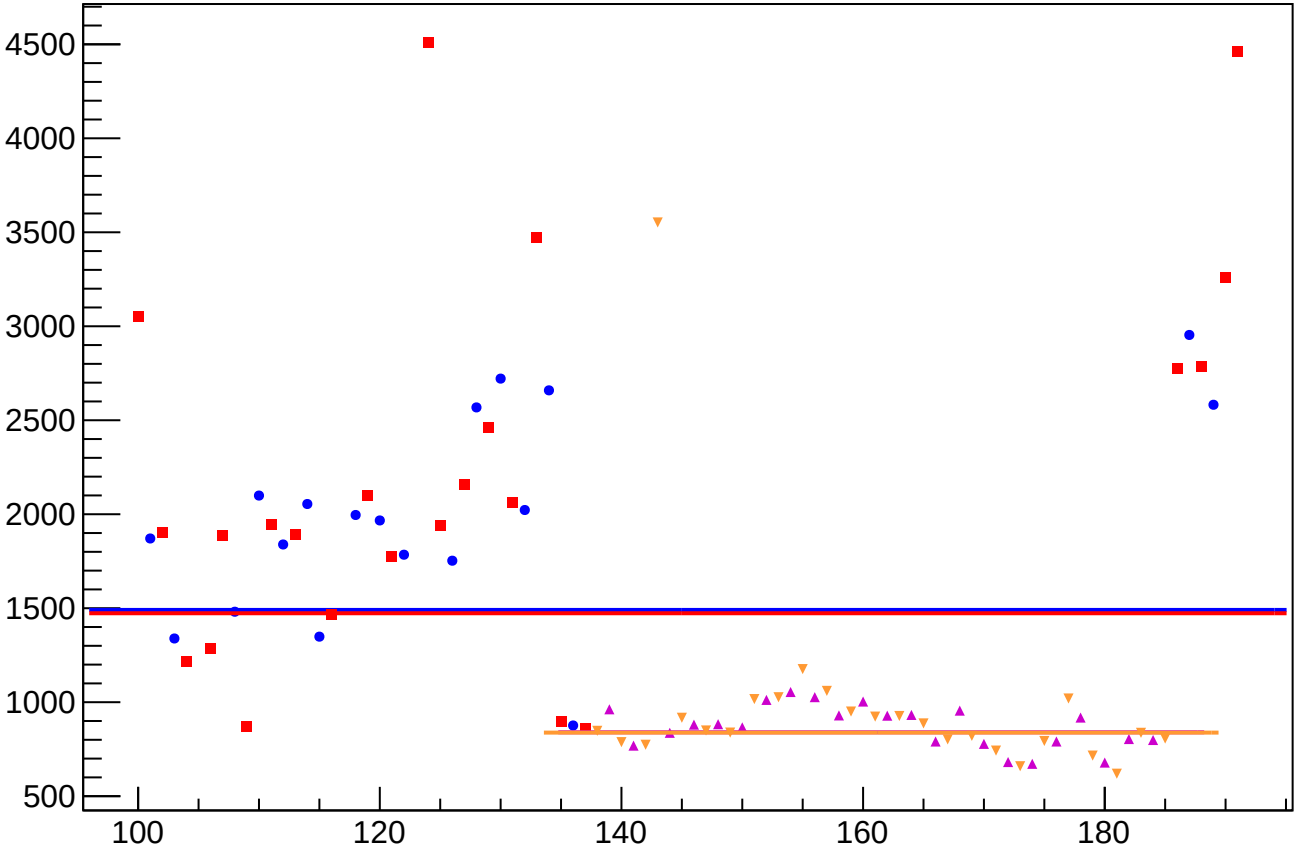
Left In: 288.616+/-198.494 χ^2/NDF:16.6/22

+ sign 699.944+/-185.056 χ^2/NDF: 88.4/42

All: 525.379+/-131.289 χ^2/NDF: 122.7/88

- sign 348.474+/-186.292 χ^2/NDF: 32.6/45

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

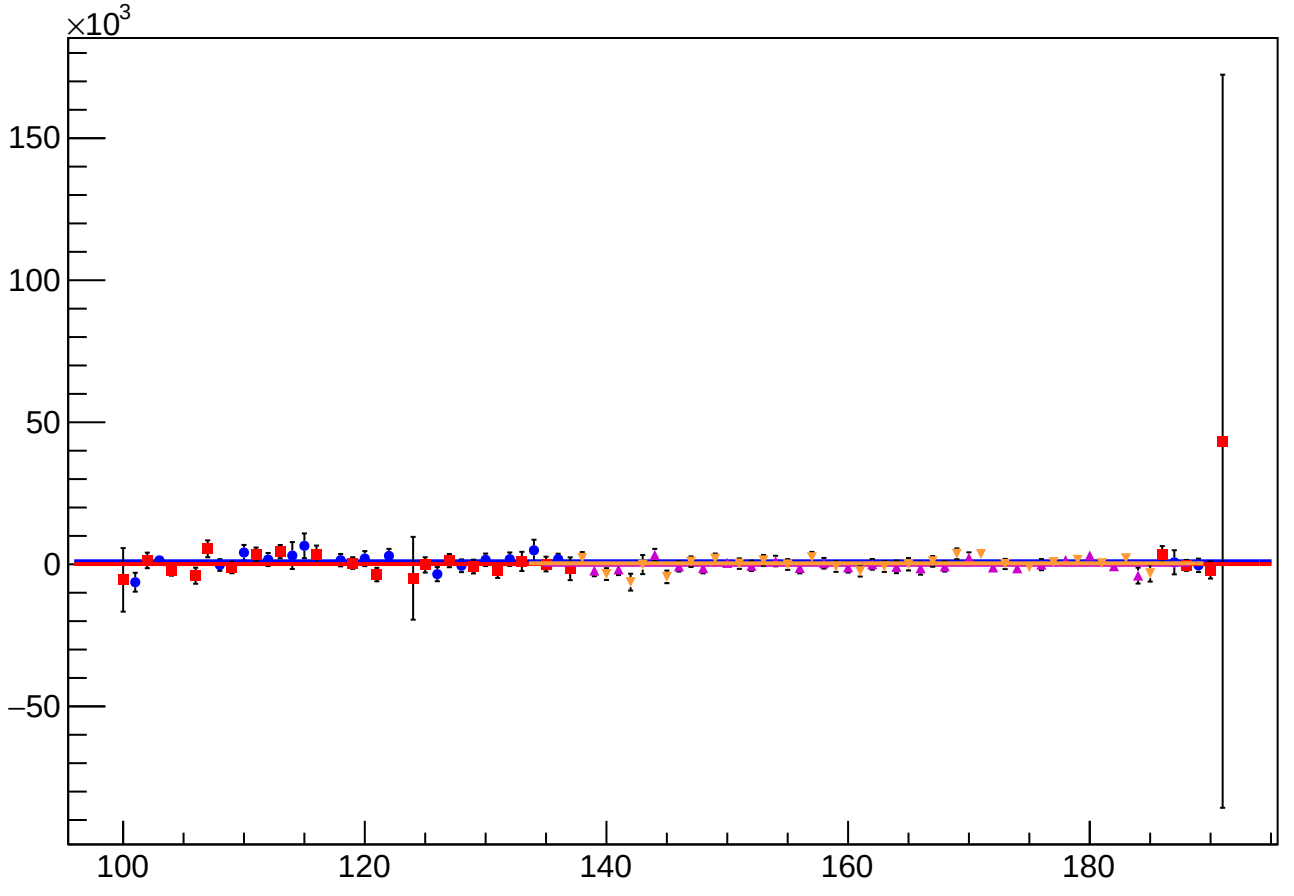
Right Out: 1473.220+/-0.382 χ^2/NDF: 3144922.7/22

Left In: 839.976+/-0.140 χ^2/NDF:669341.7/22

+ sign 907.134+/-0.131 χ^2/NDF: 6228115.1/42

All: 911.259+/-0.093 χ^2/NDF: 12470098.5/88

- sign 915.439+/-0.132 χ^2/NDF: 6239982.6/45



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: 96.565+/-554.648 χ^2/NDF: 20.4/22

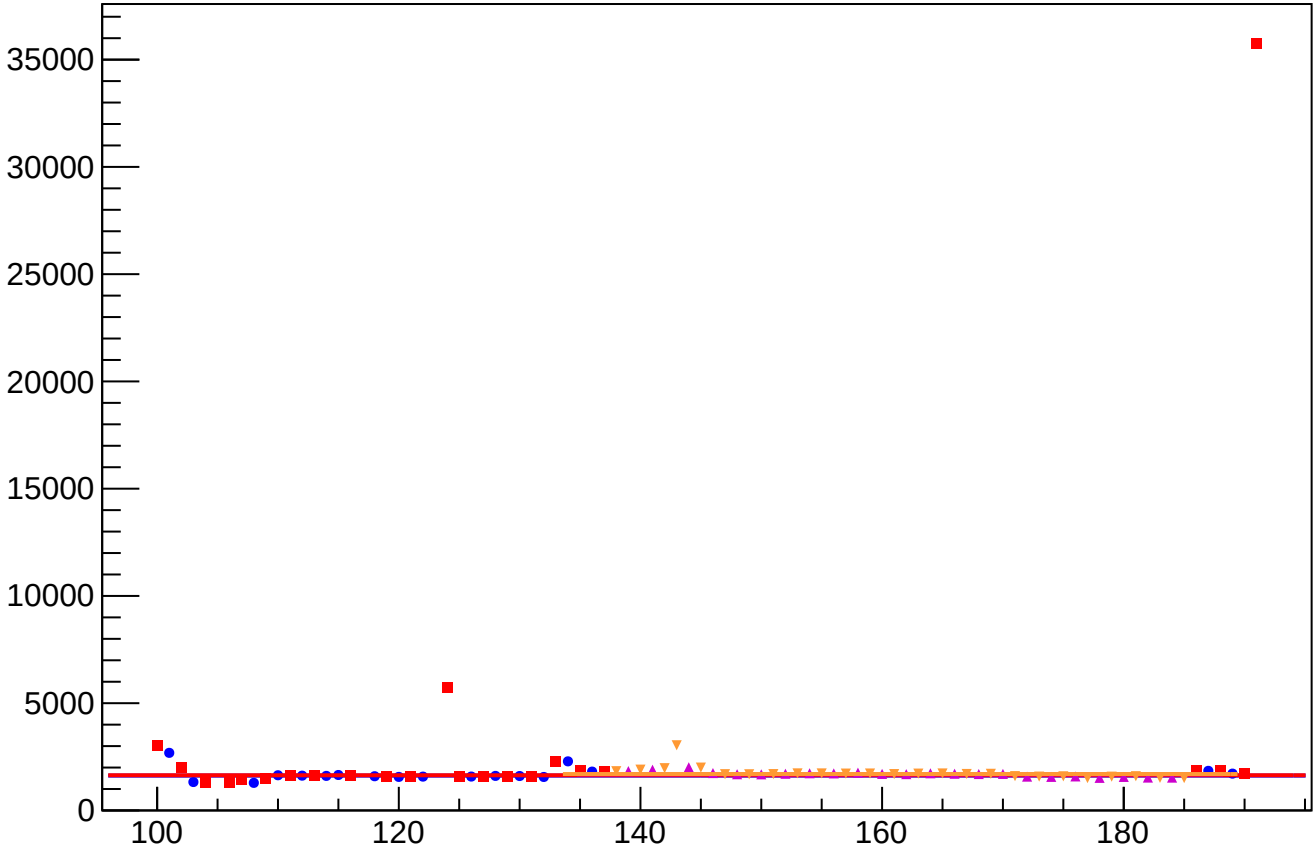
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

+ sign 576.657+/-323.286 χ^2/NDF: 45.4/42

All: 250.455+/-227.909 χ^2/NDF: 84.0/88

- sign -71.843+/-321.346 χ^2/NDF: 36.6/45

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

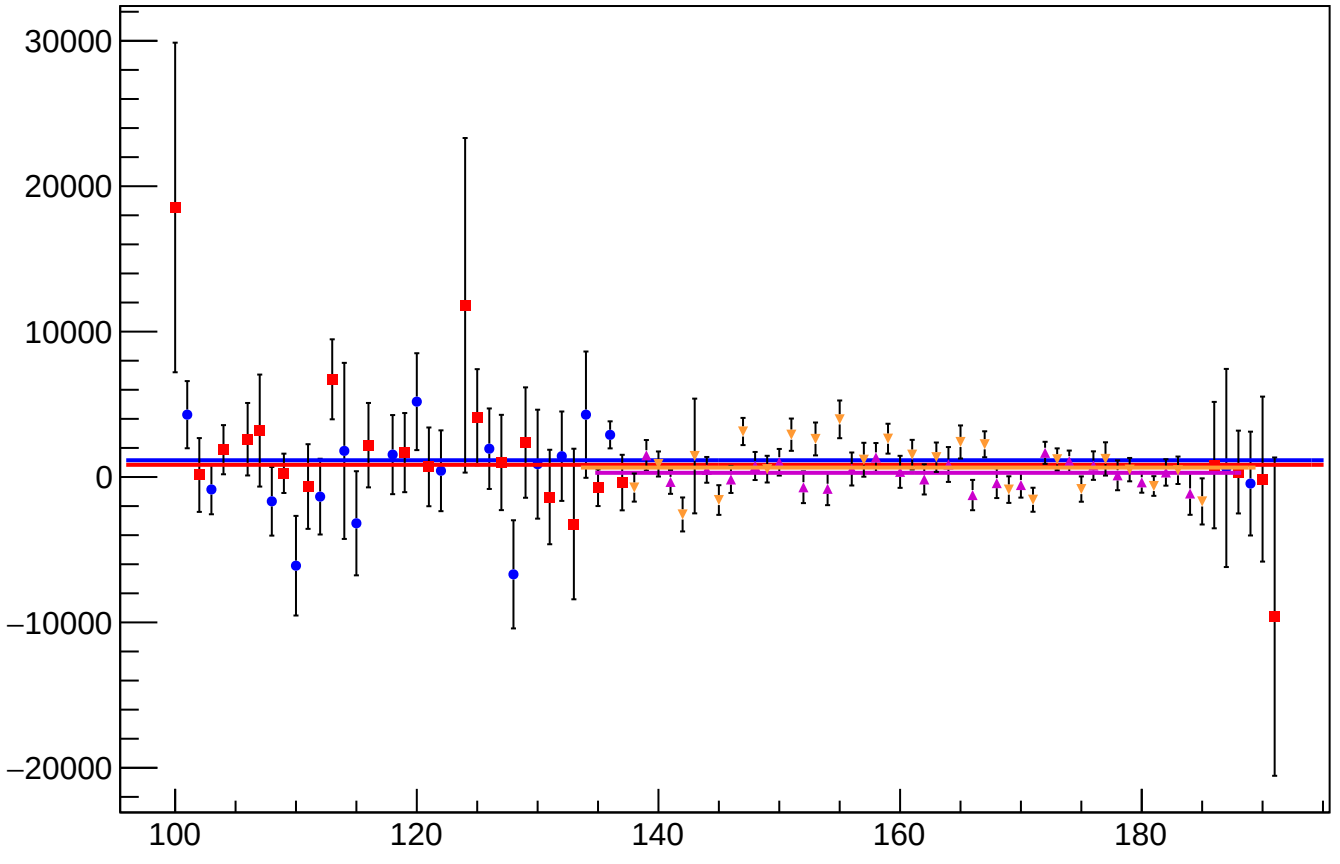
Right Out: 1640.178+/-0.392 χ^2/NDF: 623582.5/22

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1675.118+/-0.229 χ^2/NDF: 930961.3/42

All: 1672.380+/-0.161 χ^2/NDF: 1728698.8/88

- sign 1669.674+/-0.227 χ^2/NDF: 797452.1/45



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: 839.659+/-538.950 χ^2/NDF: 15.2/22

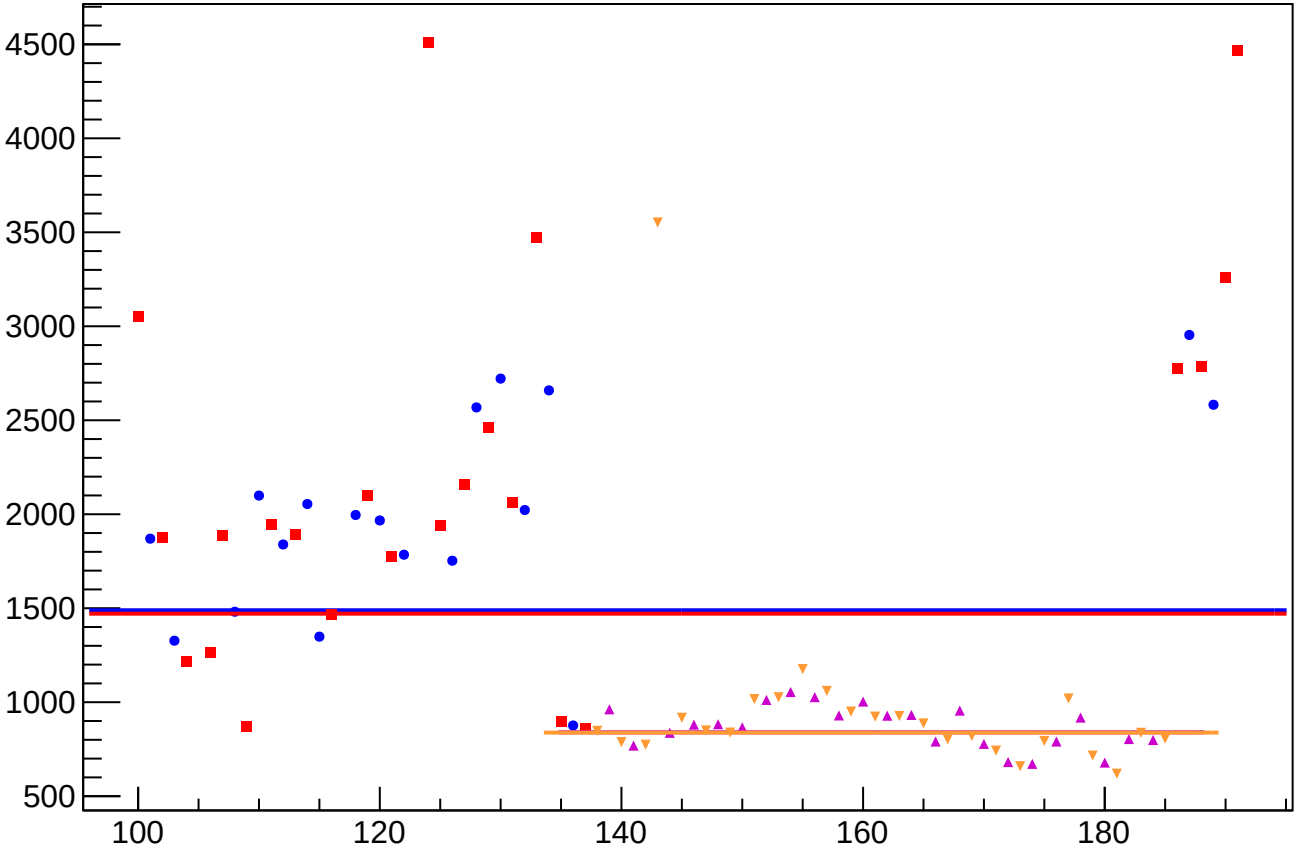
Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

+ sign 702.422+/-185.031 χ^2/NDF: 88.1/42

All: 529.577+/-131.270 χ^2/NDF: 122.5/88

- sign 354.421+/-186.263 χ^2/NDF: 32.7/45

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: 1471.062+/-0.381 χ^2/NDF: 3143512.2/22

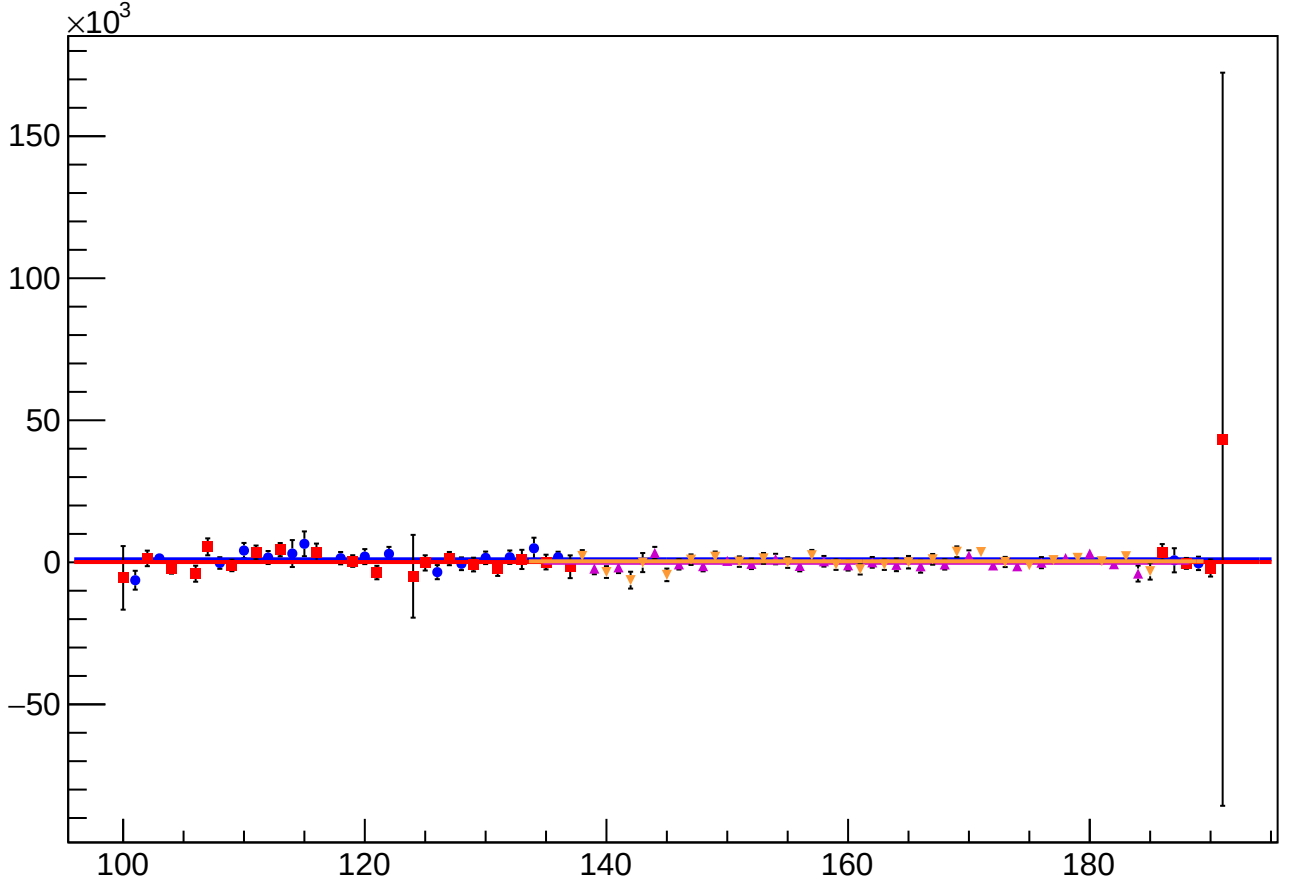
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 907.130+/-0.131 χ^2/NDF: 6223776.4/42

All: 911.216+/-0.093 χ^2/NDF: 12453292.8/88

- sign 915.356+/-0.132 χ^2/NDF: 6227553.2/45

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: 96.565+/-554.648 χ^2/NDF: 20.4/22

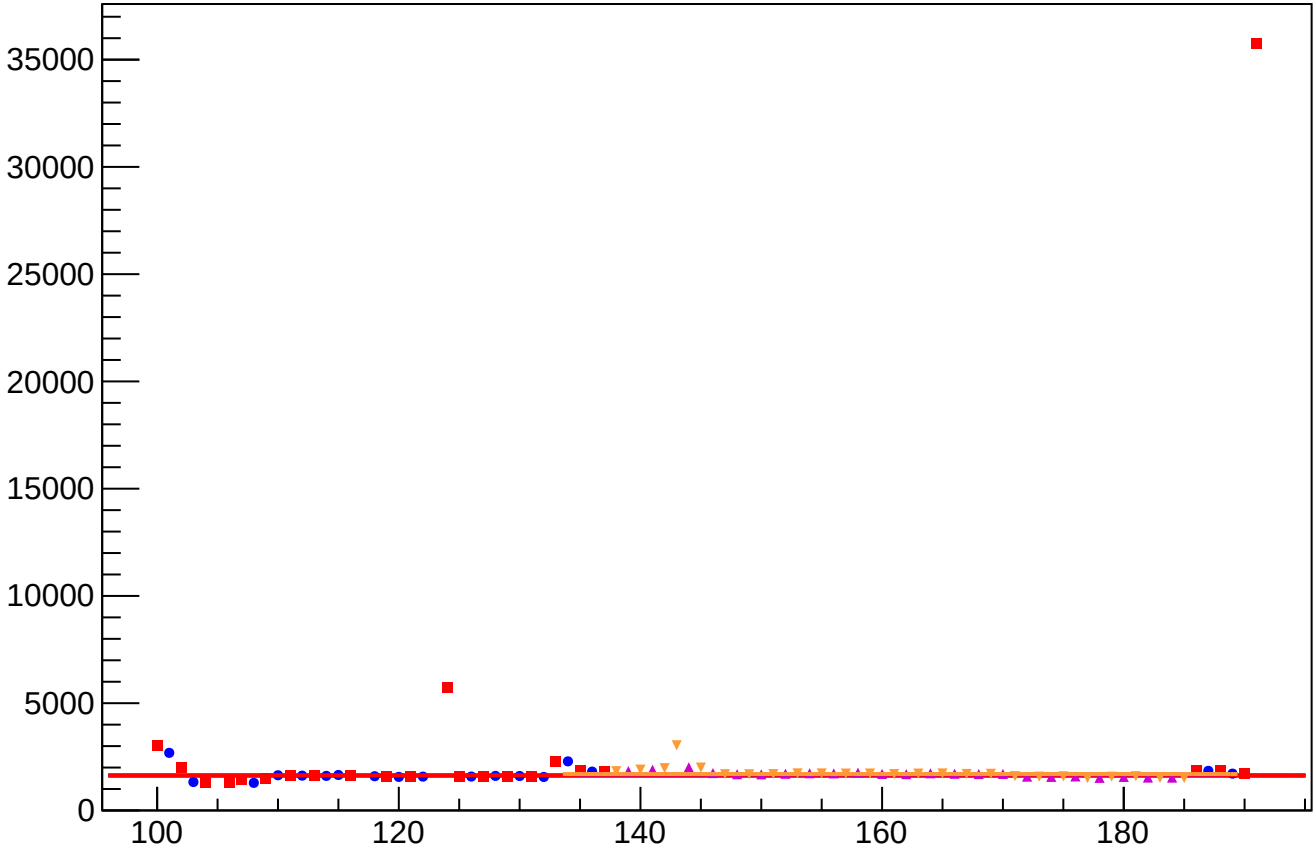
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

+ sign 576.657+/-323.286 χ^2/NDF: 45.4/42

All: 250.455+/-227.909 χ^2/NDF: 84.0/88

- sign -71.843+/-321.346 χ^2/NDF: 36.6/45

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

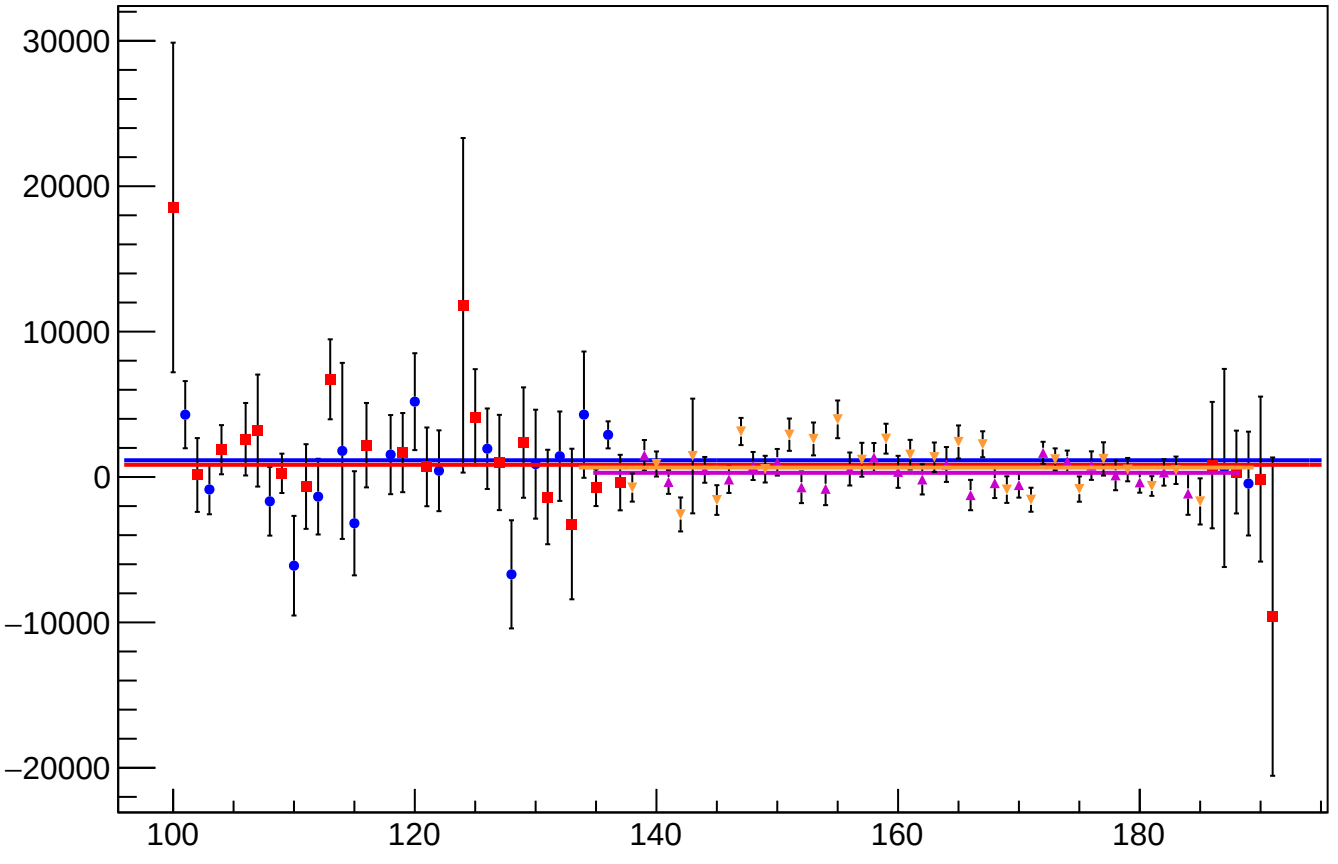
Right Out: 1640.178+/-0.392 χ^2/NDF: 623582.5/22

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1675.118+/-0.229 χ^2/NDF: 930961.3/42

All: 1672.380+/-0.161 χ^2/NDF: 1728698.8/88

- sign 1669.674+/-0.227 χ^2/NDF: 797452.1/45



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: 839.659+/-538.950 χ^2/NDF: 15.2/22

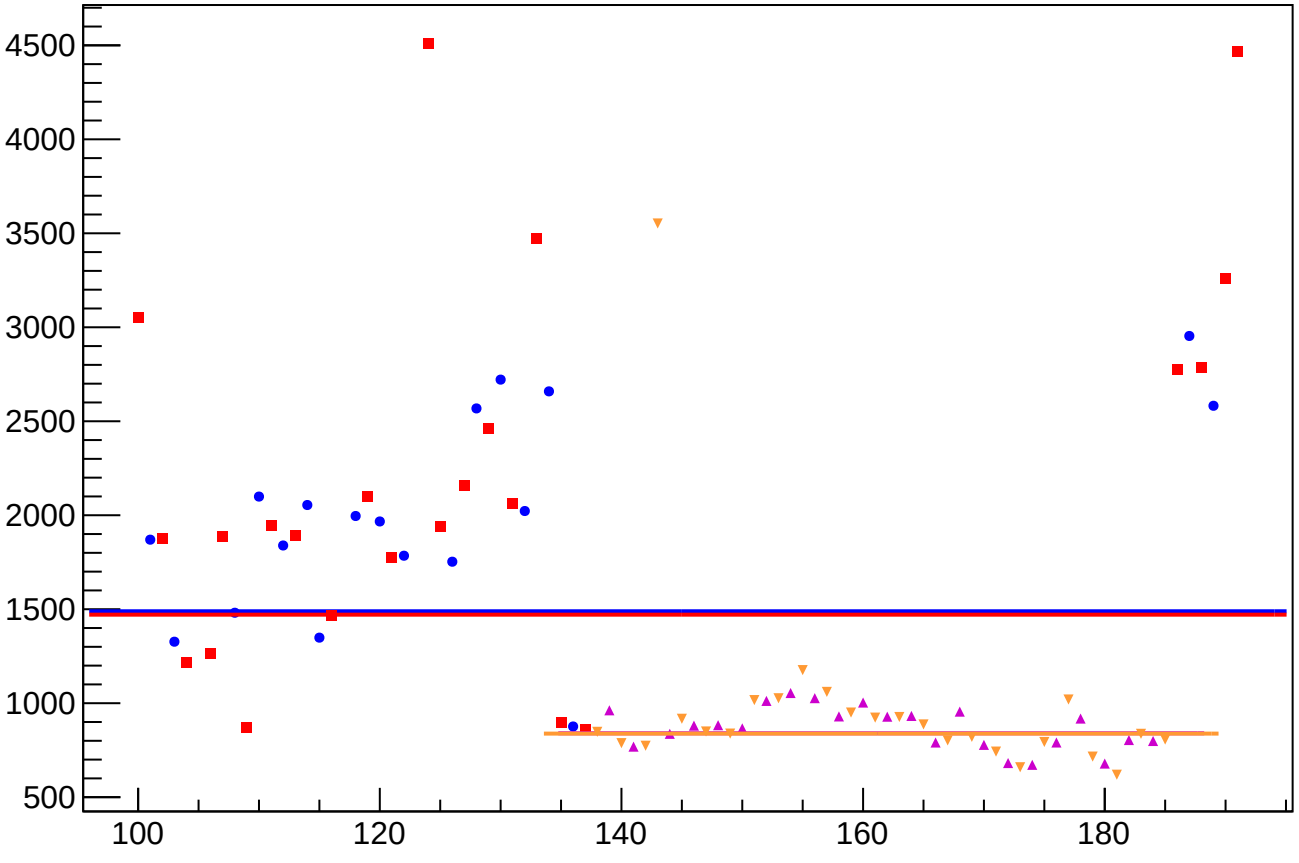
Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

+ sign 702.422+/-185.031 χ^2/NDF: 88.1/42

All: 529.577+/-131.270 χ^2/NDF: 122.5/88

- sign 354.421+/-186.263 χ^2/NDF: 32.7/45

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: 1471.062+/-0.381 χ^2/NDF: 3143512.2/22

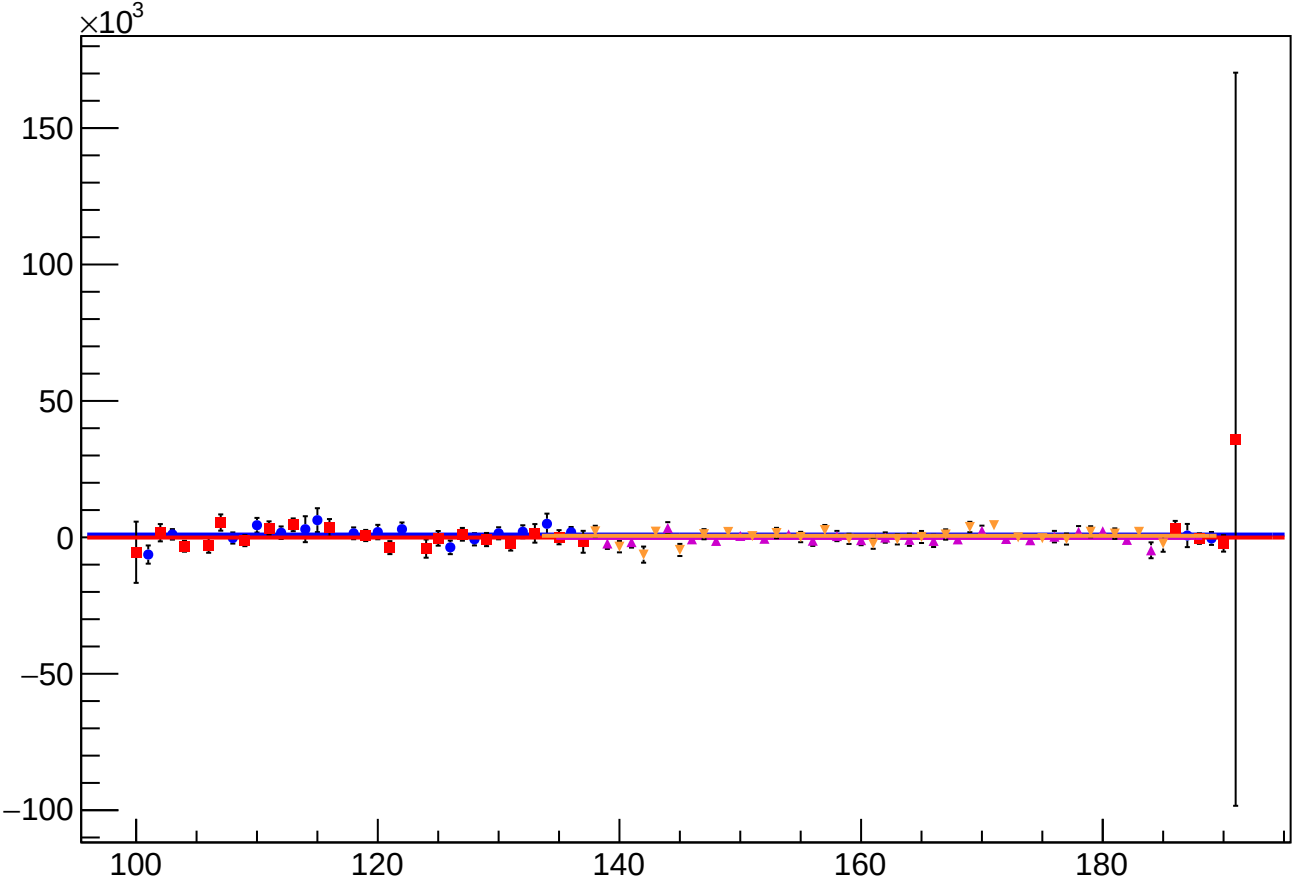
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 907.130+/-0.131 χ^2/NDF: 6223776.4/42

All: 911.216+/-0.093 χ^2/NDF: 12453292.8/88

- sign 915.356+/-0.132 χ^2/NDF: 6227553.2/45

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: -70.011+/-554.609 χ^2/NDF: 22.6/22

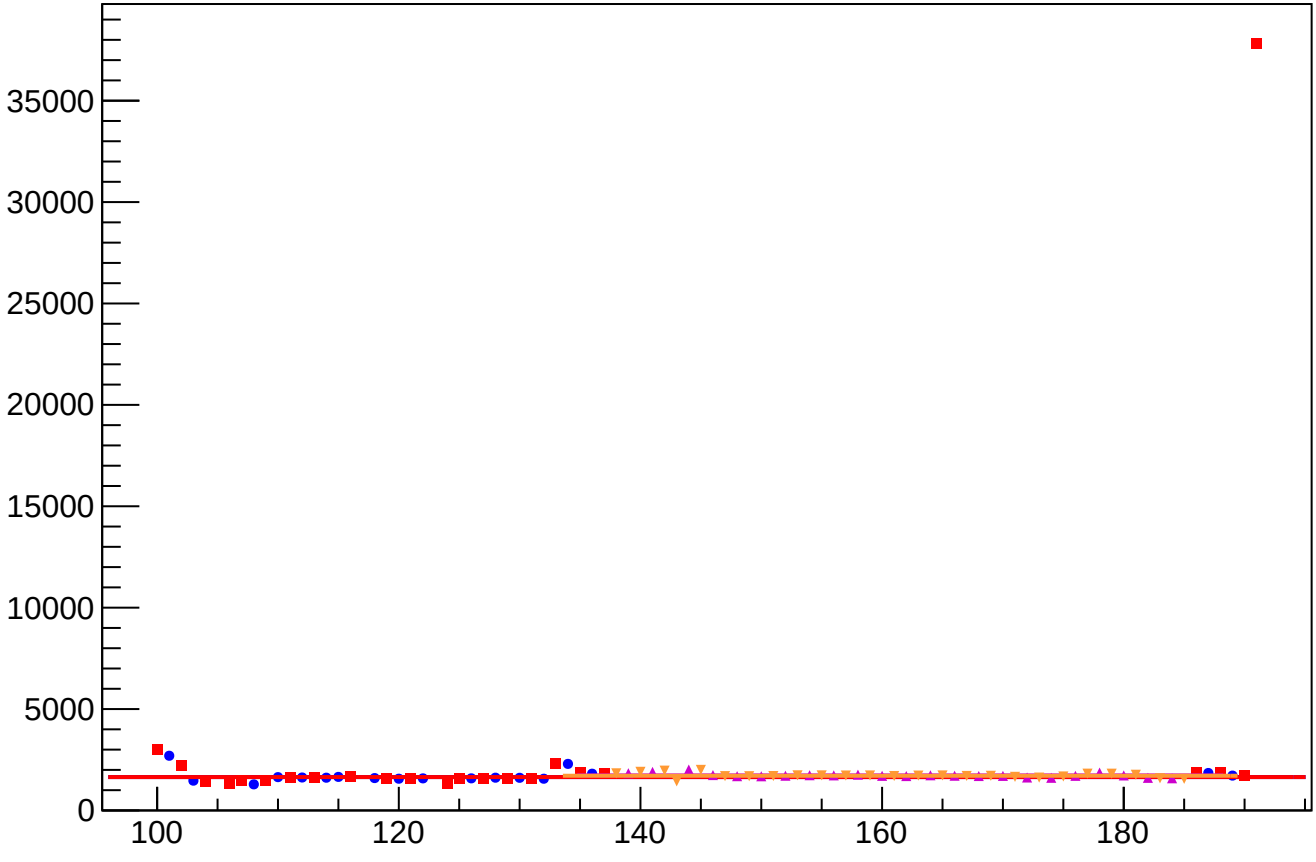
Left In: -185.836+/-404.094 χ^2/NDF:14.4/22

+ sign 715.249+/-325.438 χ^2/NDF: 47.7/42

All: 286.320+/-230.528 χ^2/NDF: 88.2/88

- sign -145.670+/-326.597 χ^2/NDF: 37.0/45

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: 1646.192+/-0.392 χ^2/NDF: 483564.1/22

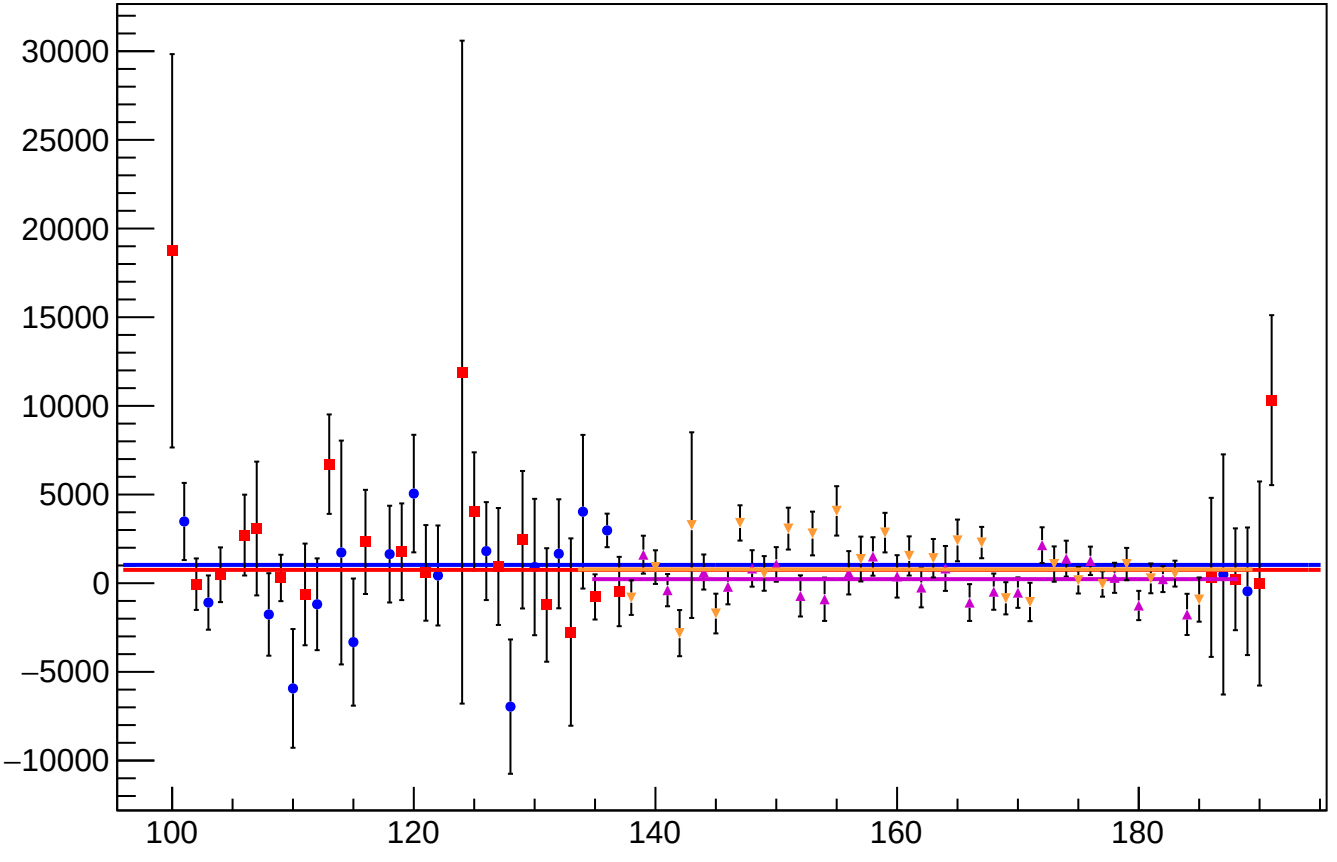
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1692.041+/-0.230 χ^2/NDF: 553036.8/42

All: 1695.794+/-0.163 χ^2/NDF: 1165726.6/88

- sign 1699.573+/-0.231 χ^2/NDF: 612155.9/45

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: 752.224+/-506.758 χ^2/NDF: 17.6/22

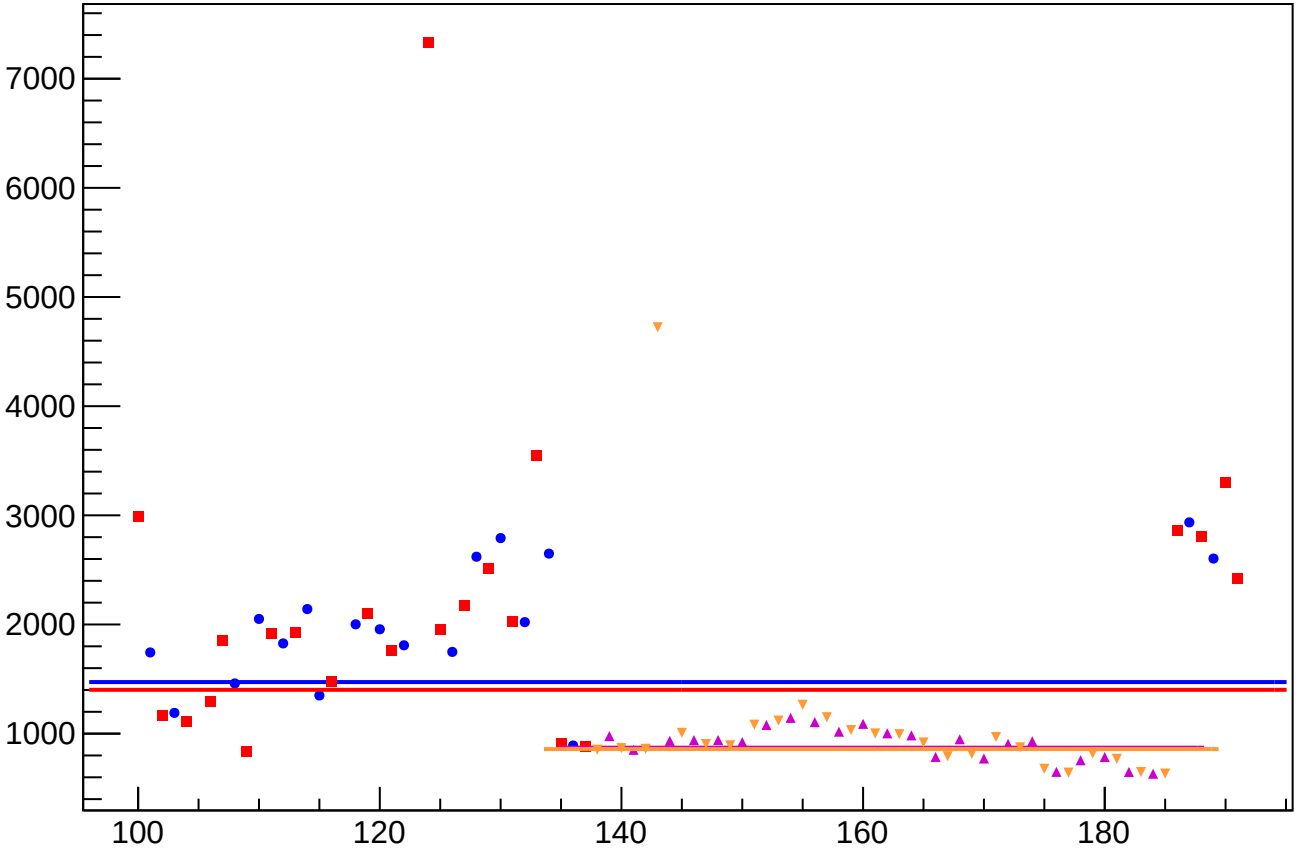
Left In: 228.879+/-206.703 χ^2/NDF:22.6/22

+ sign 807.804+/-189.817 χ^2/NDF: 76.9/42

All: 557.754+/-134.775 χ^2/NDF: 121.6/88

- sign 303.531+/-191.394 χ^2/NDF: 41.2/45

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: 1401.464+/-0.358 χ^2/NDF: 3250540.3/22

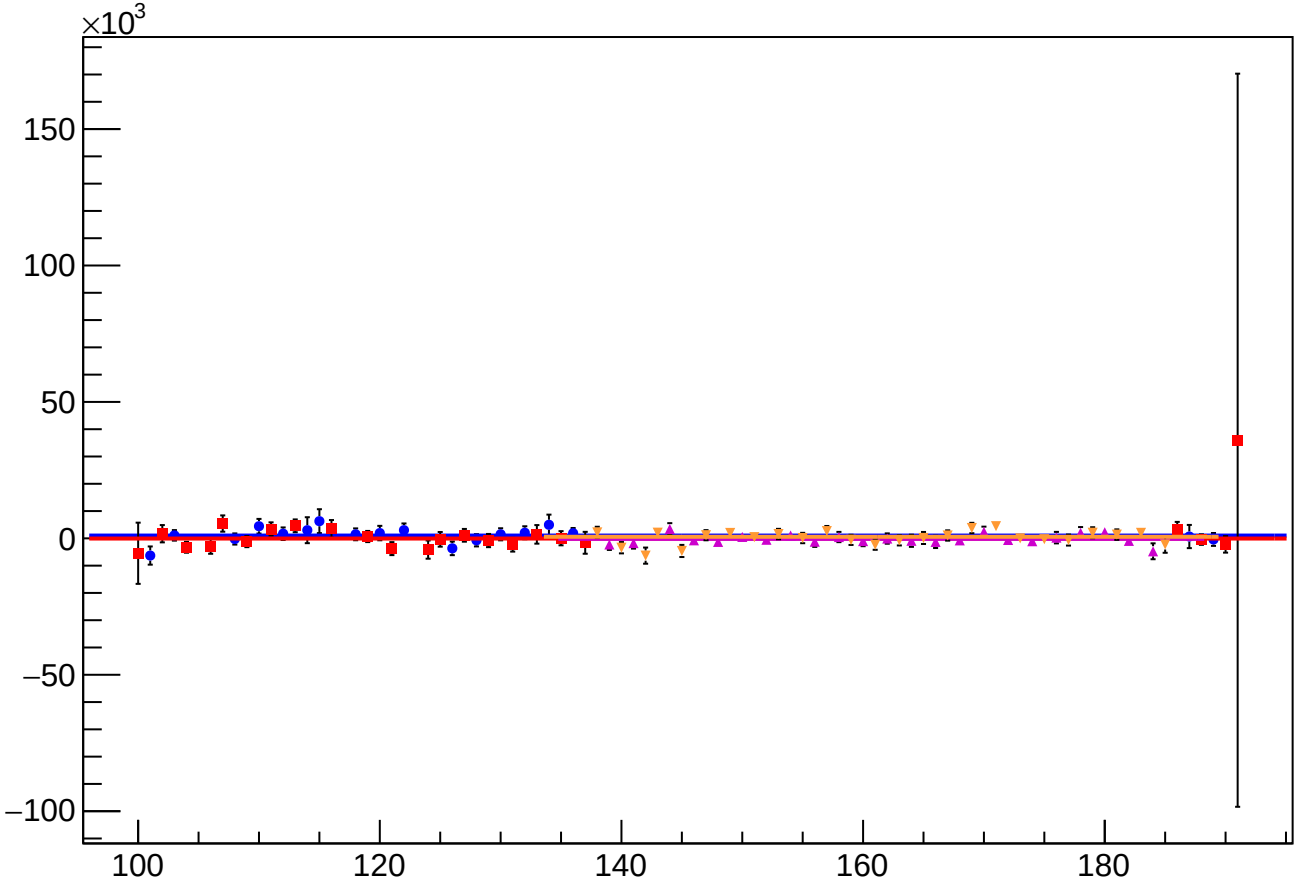
Left In: 871.527+/-0.146 χ^2/NDF:979356.2/22

+ sign 928.477+/-0.134 χ^2/NDF: 6453896.6/42

All: 937.721+/-0.095 χ^2/NDF: 12568522.8/88

- sign 947.119+/-0.135 χ^2/NDF: 6105060.0/45

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: -70.014+/-554.609 χ^2/NDF: 22.6/22

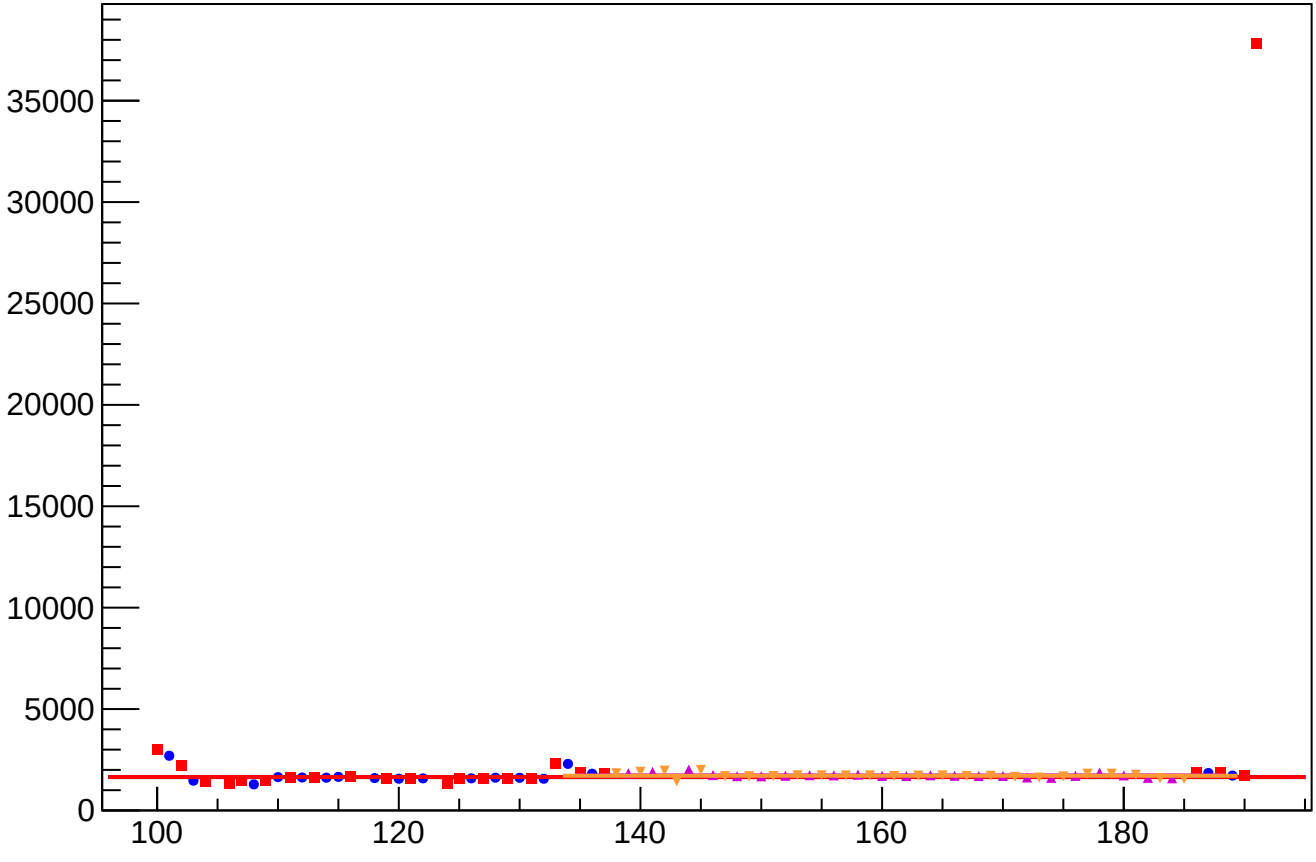
Left In: -185.837+/-404.094 χ^2/NDF:14.4/22

+ sign 715.246+/-325.438 χ^2/NDF: 47.7/42

All: 286.318+/-230.528 χ^2/NDF: 88.2/88

- sign -145.672+/-326.597 χ^2/NDF: 37.0/45

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: 1646.192+/-0.392 χ^2/NDF: 483564.4/22

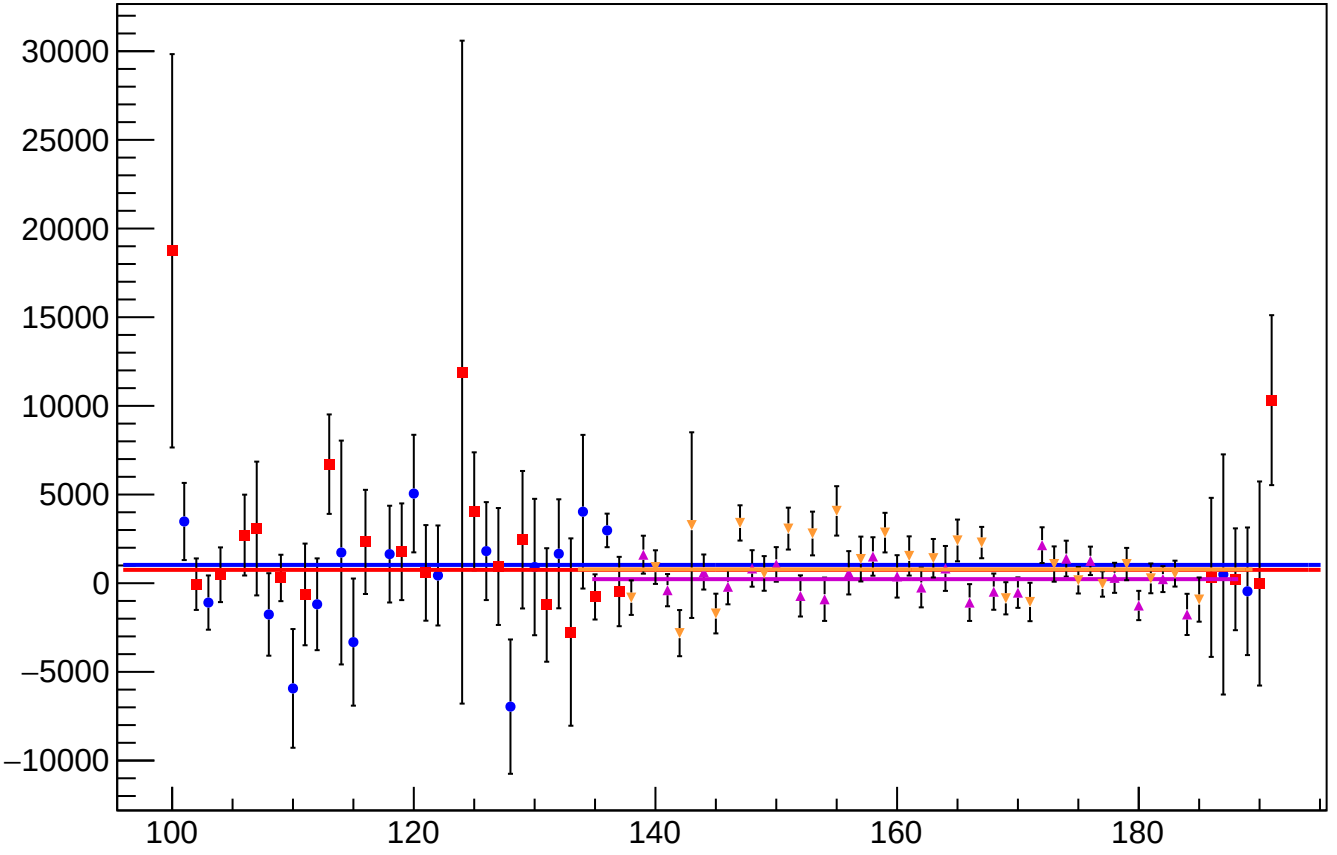
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1692.040+/-0.230 χ^2/NDF: 553035.4/42

All: 1695.793+/-0.163 χ^2/NDF: 1165725.1/88

- sign 1699.573+/-0.231 χ^2/NDF: 612155.9/45

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: 752.237+/-506.761 χ^2/NDF: 17.6/22

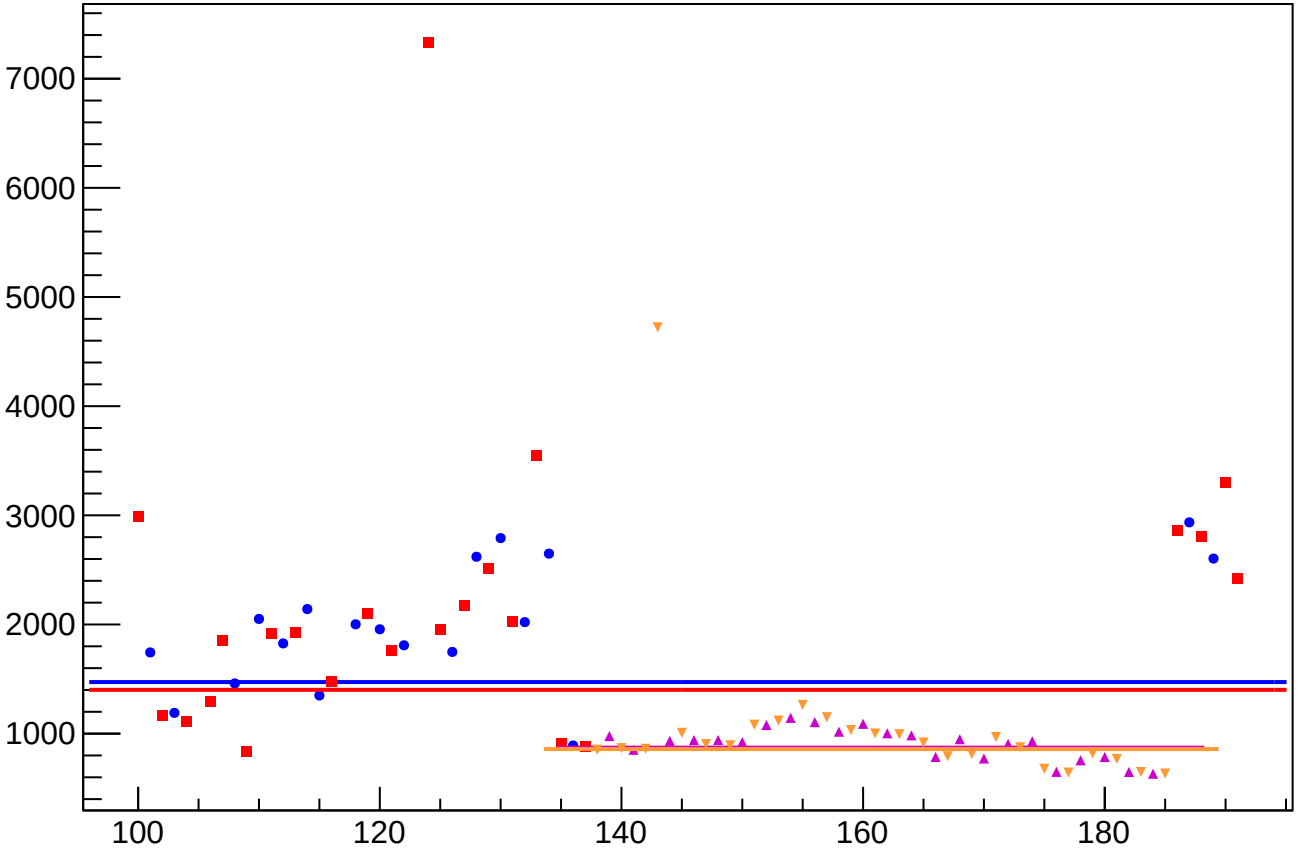
Left In: 228.876+/-206.703 χ^2/NDF:22.6/22

+ sign 807.805+/-189.817 χ^2/NDF: 76.9/42

All: 557.753+/-134.775 χ^2/NDF: 121.6/88

- sign 303.530+/-191.394 χ^2/NDF: 41.2/45

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: 1401.477+/-0.358 χ^2/NDF: 3250453.0/22

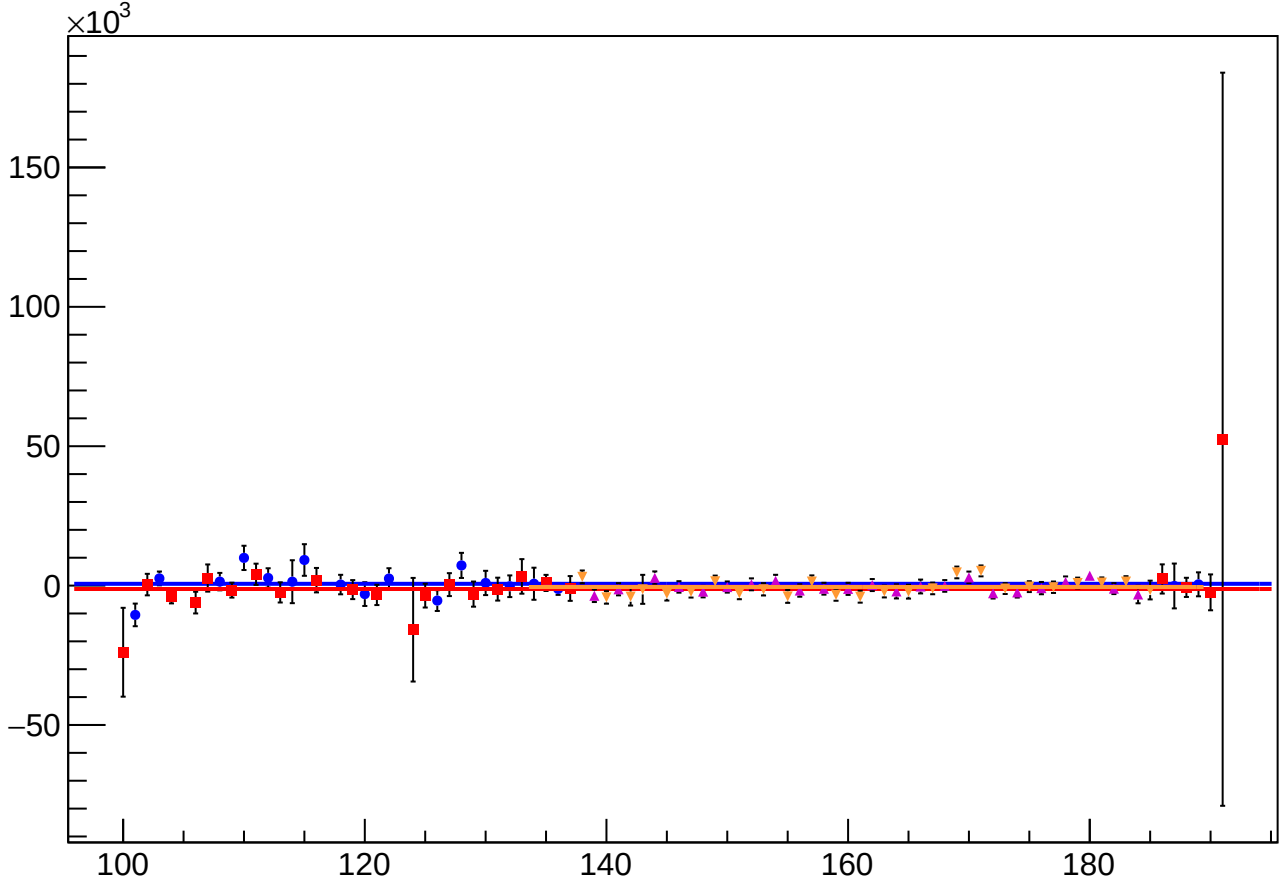
Left In: 871.525+/-0.146 χ^2/NDF:979360.3/22

+ sign 928.478+/-0.134 χ^2/NDF: 6453867.4/42

All: 937.721+/-0.095 χ^2/NDF: 12568492.0/88

- sign 947.119+/-0.135 χ^2/NDF: 6105059.5/45

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: -1219.338+/-843.336 χ^2/NDF: 11.6/22

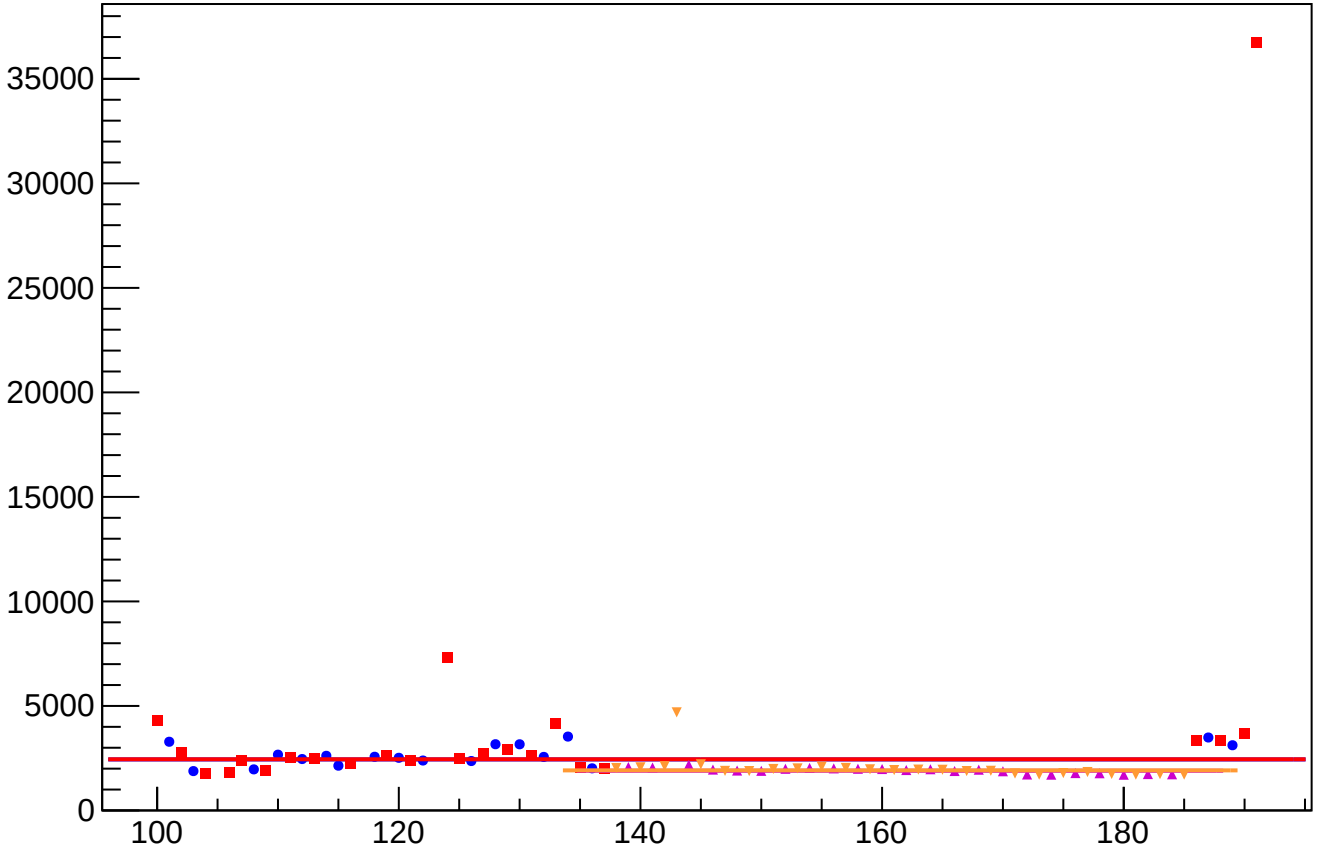
Left In: -411.323+/-444.573 χ^2/NDF:18.9/22

+ sign -274.873+/-393.886 χ^2/NDF: 59.3/42

All: -431.198+/-278.303 χ^2/NDF: 90.7/88

- sign -587.038+/-393.274 χ^2/NDF: 31.1/45

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

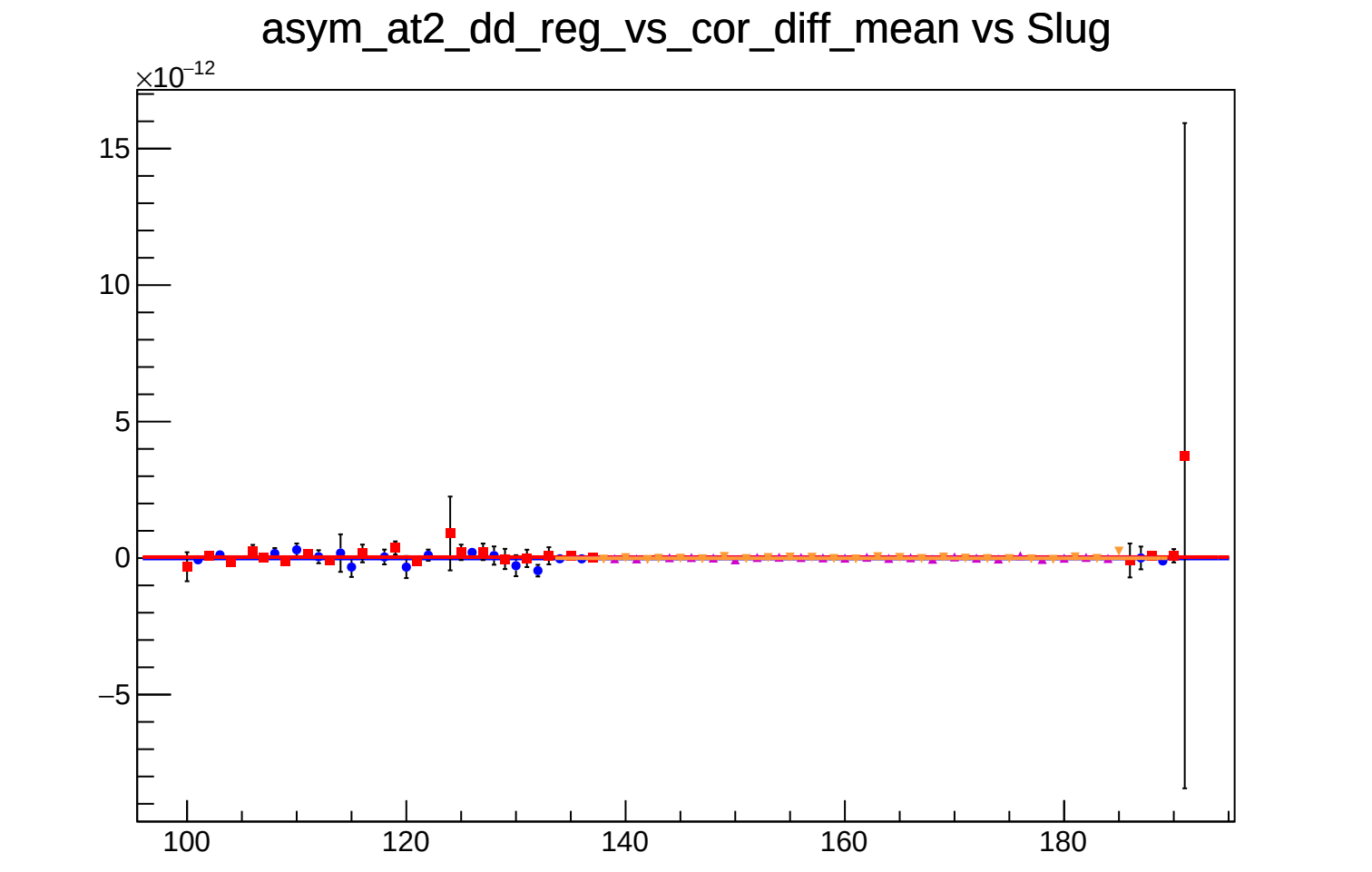
Right Out: 2447.933+/-0.596 χ^2/NDF: 1136375.1/22

Left In: 1899.245+/-0.314 χ^2/NDF:173376.4/22

+ sign 2020.870+/-0.279 χ^2/NDF: 1913477.2/42

All: 2019.717+/-0.197 χ^2/NDF: 3885765.7/88

- sign 2018.567+/-0.278 χ^2/NDF: 1972254.3/45



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: 15.7/22

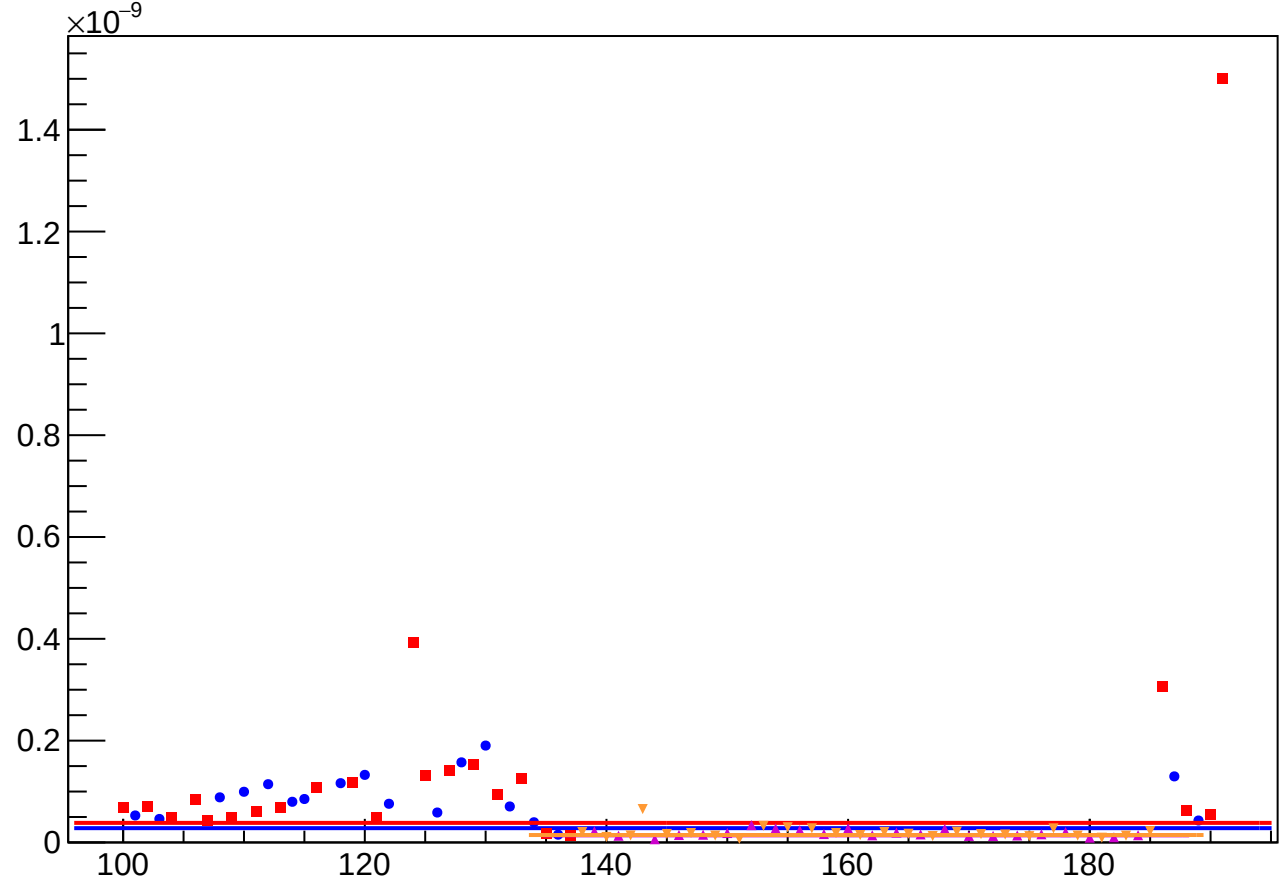
Left In: 0.000+/-0.000 χ^2/NDF:25.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 43.9/42

All: 0.000+/-0.000 χ^2/NDF: 89.2/88

- sign 0.000+/-0.000 χ^2/NDF: 41.8/45

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: 2937821.6/22

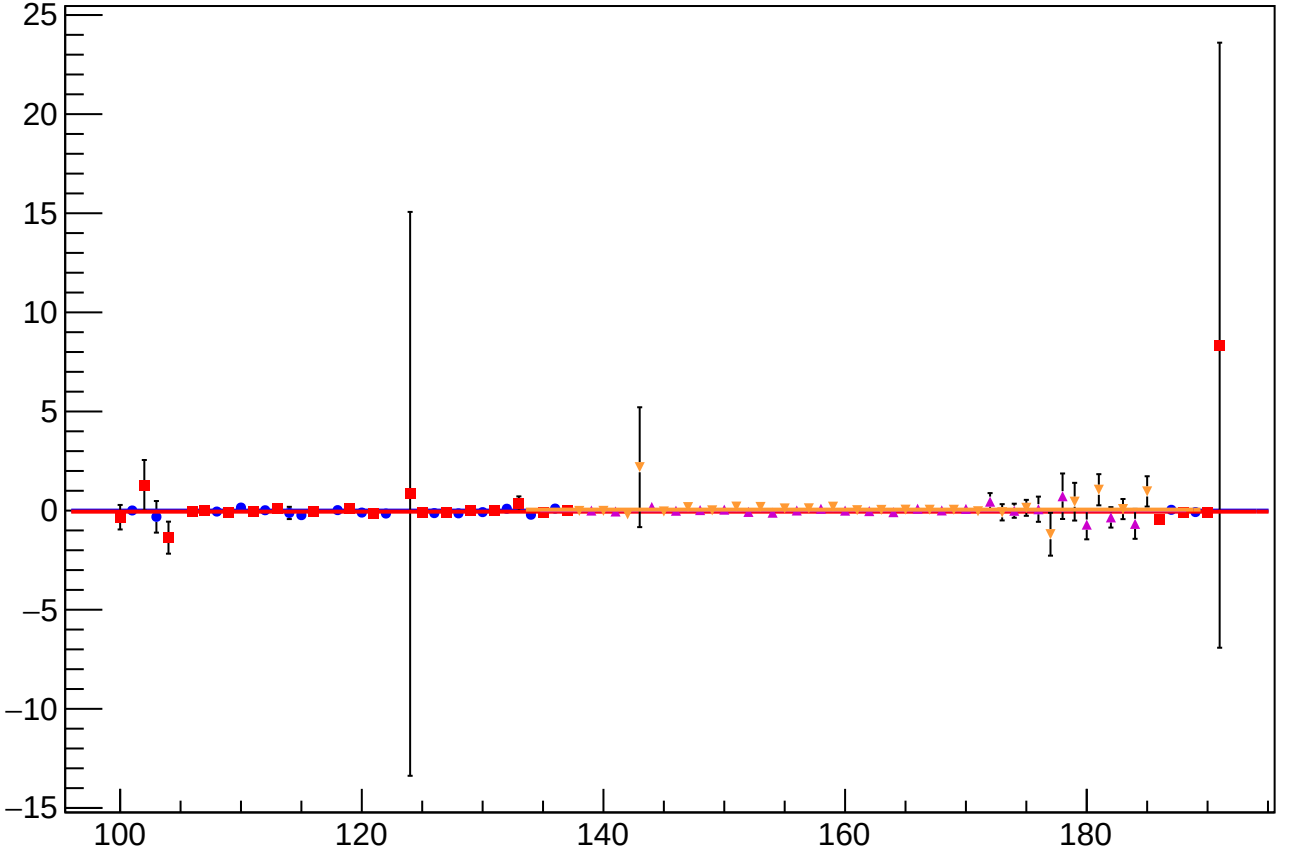
Left In: 0.000+/-0.000 χ^2/NDF:1944578.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 5448745.2/42

All: 0.000+/-0.000 χ^2/NDF: 11896020.5/88

- sign 0.000+/-0.000 χ^2/NDF: 6441296.9/45

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+/-0.022 χ^2/NDF: 15.7/22

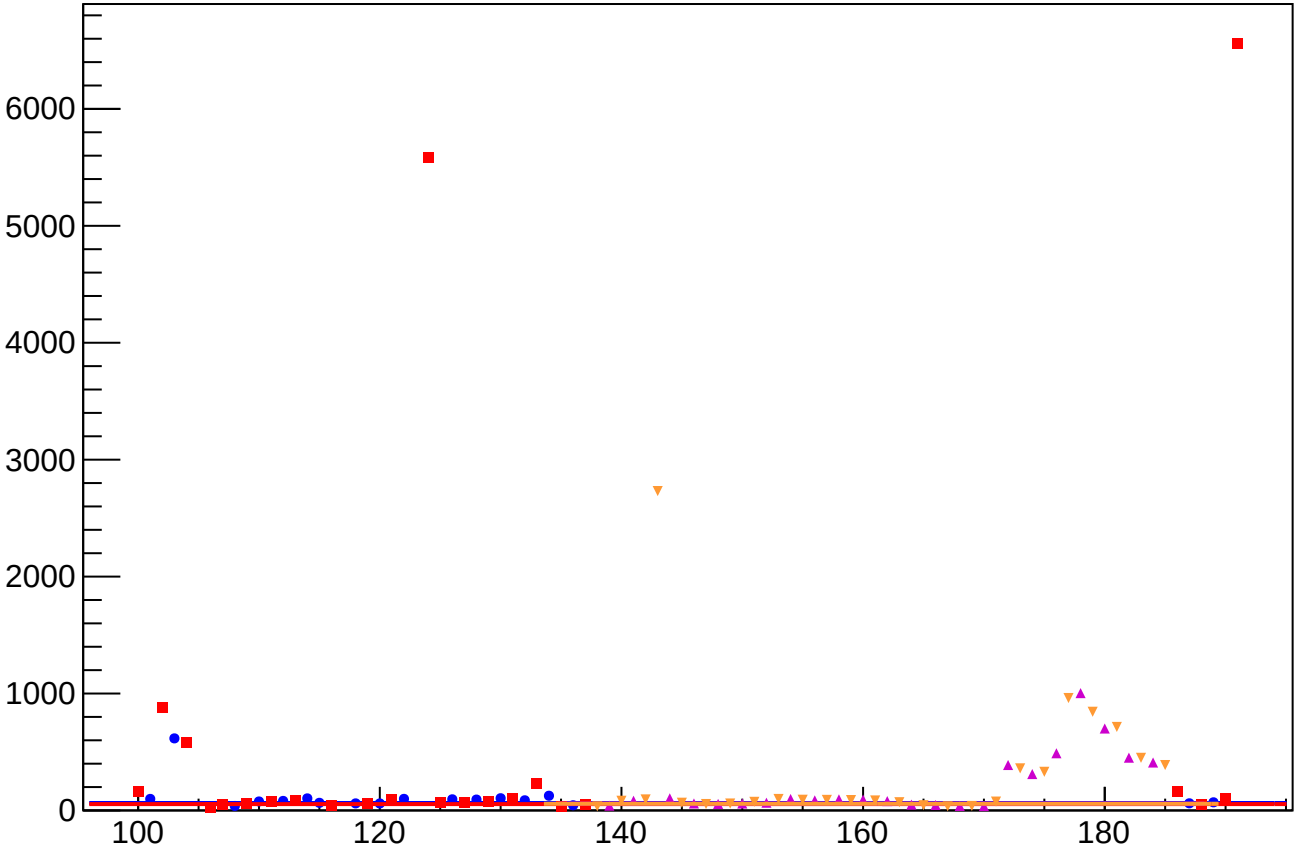
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.034+/-0.014 χ^2/NDF: 41.1/42

All: 0.013+/-0.010 χ^2/NDF: 83.1/88

- sign -0.007+/-0.014 χ^2/NDF: 37.6/45

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

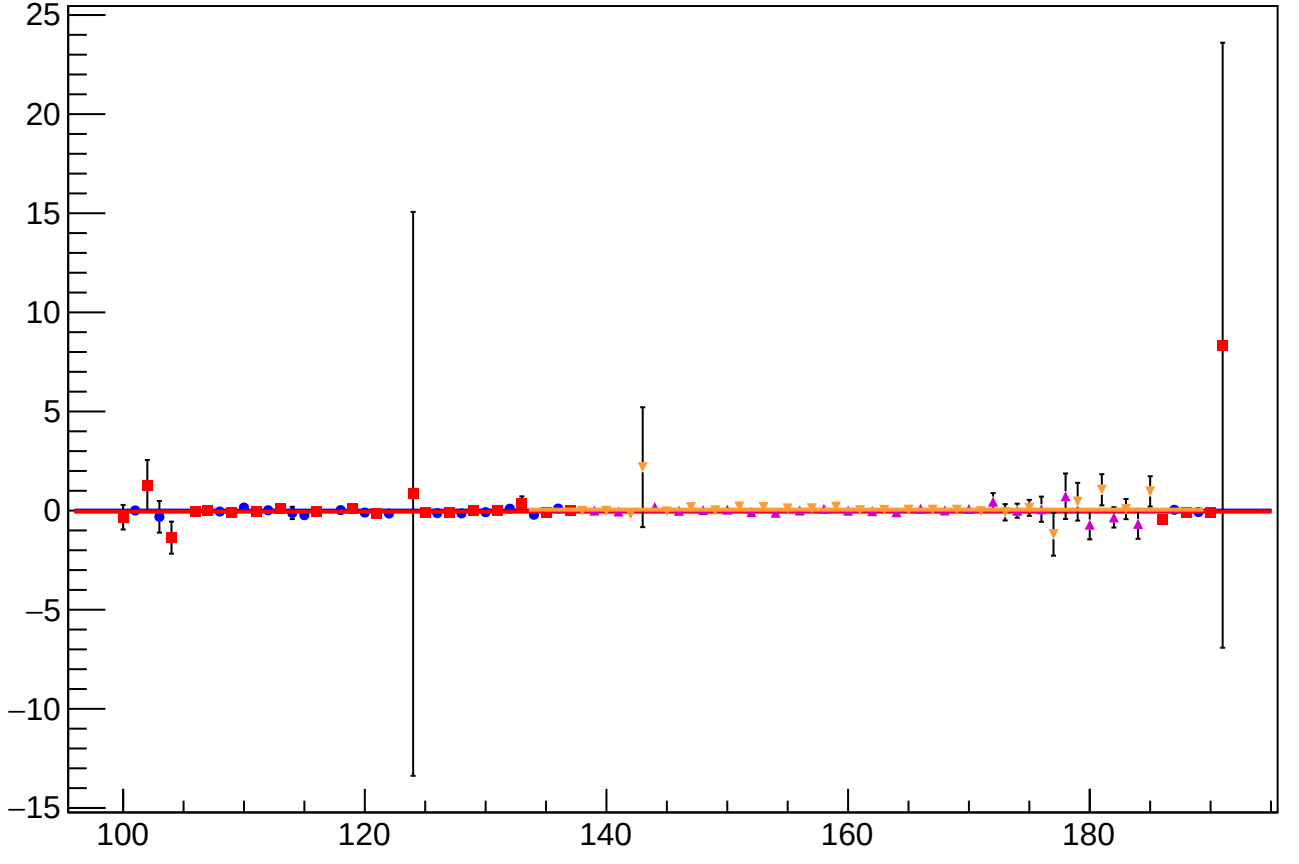
Right Out: 54.348+/-0.016 χ^2/NDF: 4804357.1/22

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

+ sign 59.238+/-0.010 χ^2/NDF: 14864280.7/42

All: 58.086+/-0.007 χ^2/NDF: 29986326.7/88

- sign 57.027+/-0.010 χ^2/NDF: 15096833.7/45



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+/-0.022 χ^2/NDF: 15.7/22

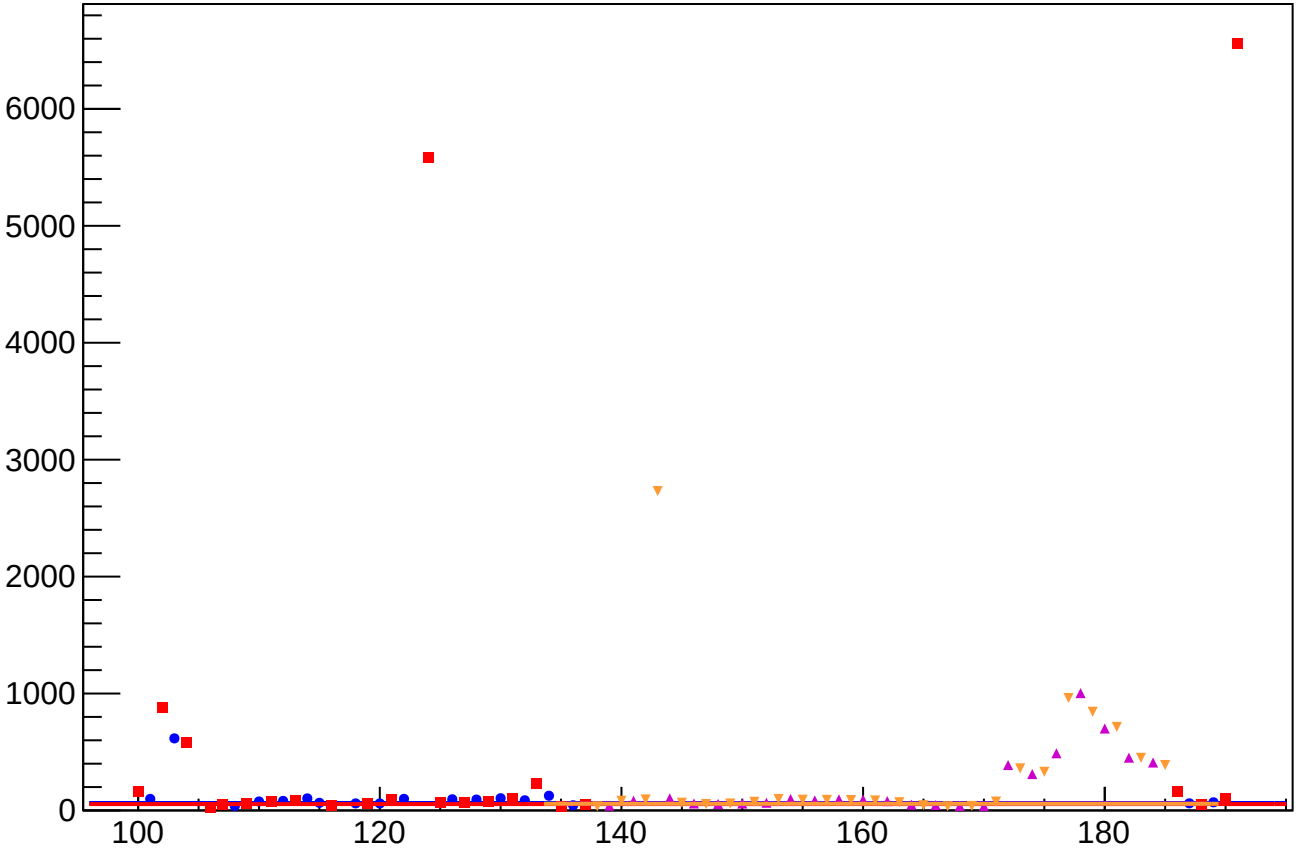
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.034+/-0.014 χ^2/NDF: 41.1/42

All: 0.013+/-0.010 χ^2/NDF: 83.1/88

- sign -0.007+/-0.014 χ^2/NDF: 37.6/45

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

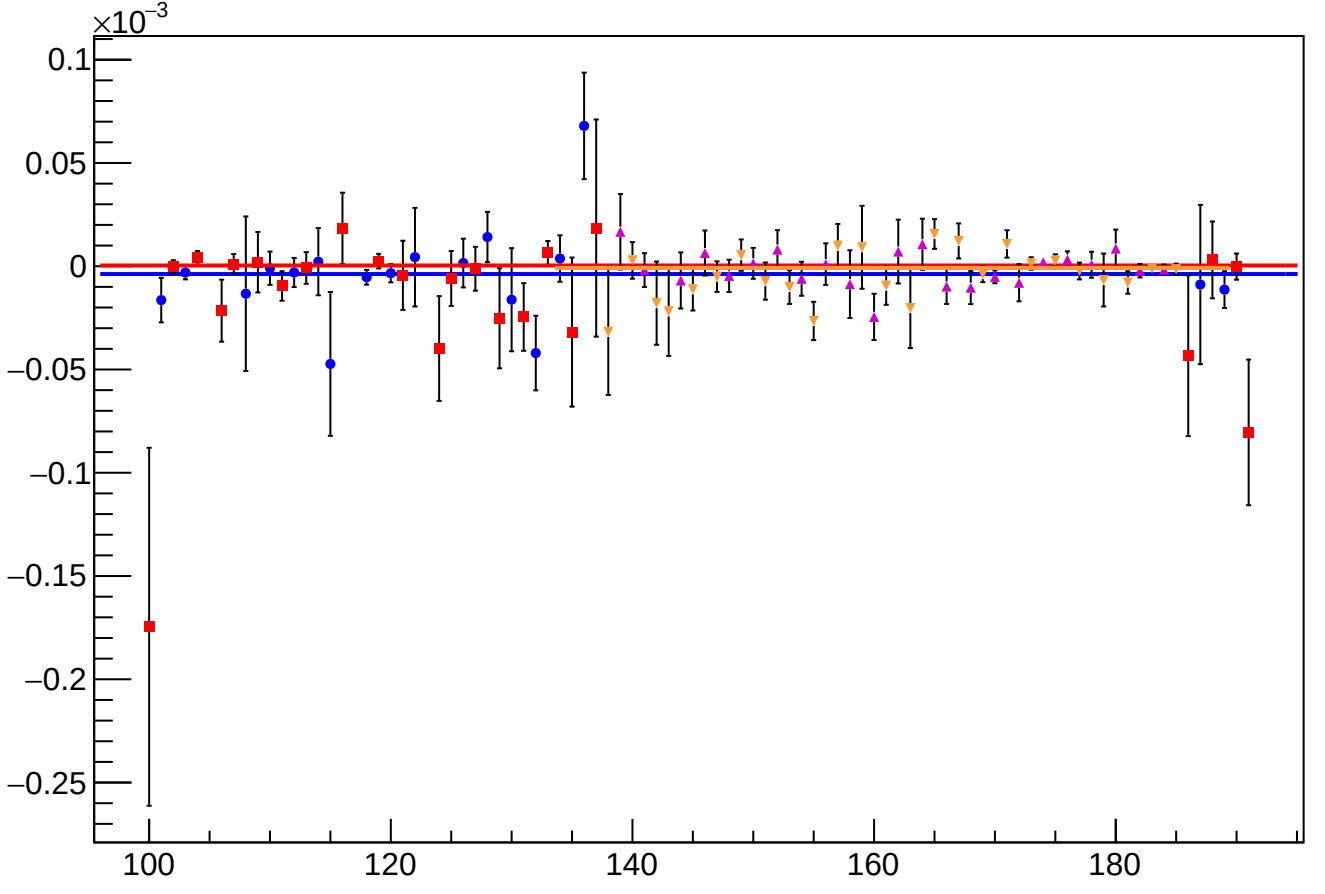
Right Out: 54.348+/-0.016 χ^2/NDF: 4804357.1/22

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

+ sign 59.238+/-0.010 χ^2/NDF: 14864280.7/42

All: 58.086+/-0.007 χ^2/NDF: 29986326.7/88

- sign 57.027+/-0.010 χ^2/NDF: 15096833.7/45



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: 25.7/22

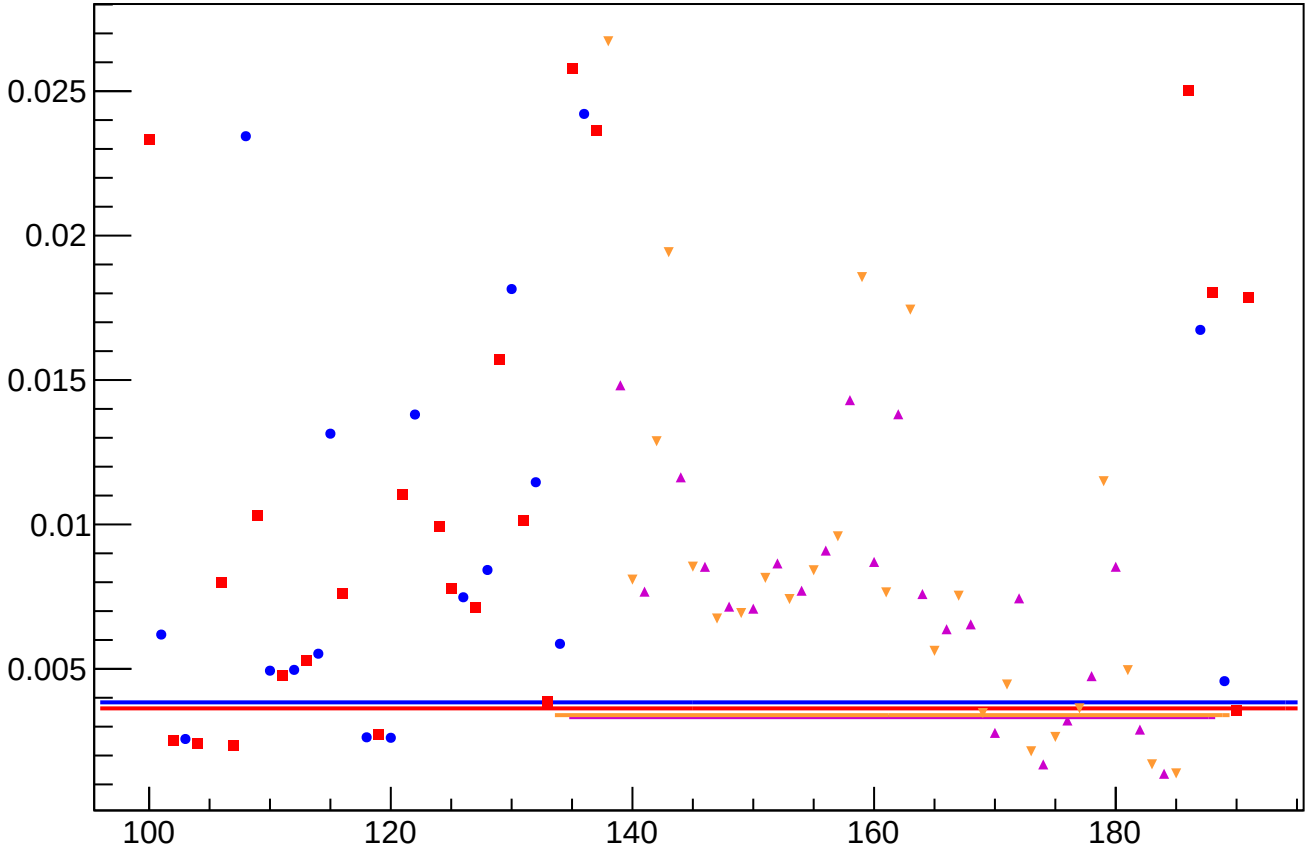
Left In: -0.000+/-0.000 χ^2/NDF:18.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.5/42

All: -0.000+/-0.000 χ^2/NDF: 100.3/88

- sign -0.000+/-0.000 χ^2/NDF: 44.9/45

asym_at2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 4959064.5/17

Left Out: 0.003+/-0.000 χ^2/NDF:14248948.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 6641832.0/22

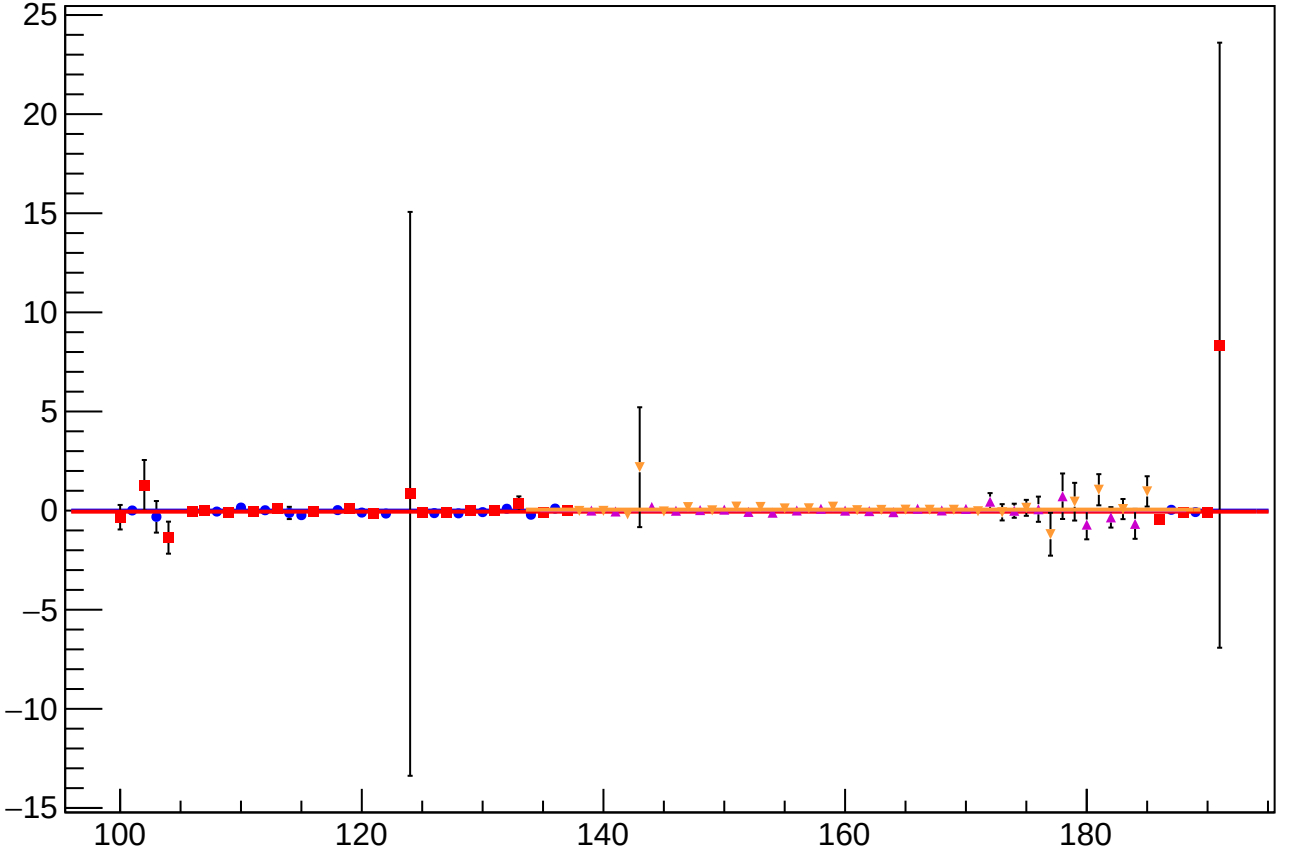
Left In: 0.003+/-0.000 χ^2/NDF:12566501.1/22

\+ sign 0.004+/-0.000 χ^2/NDF: 19300498.2/42

All: 0.003+/-0.000 χ^2/NDF: 38572742.7/88

\- sign 0.003+/-0.000 χ^2/NDF: 19263916.3/45

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+/-0.022 χ^2/NDF: 15.7/22

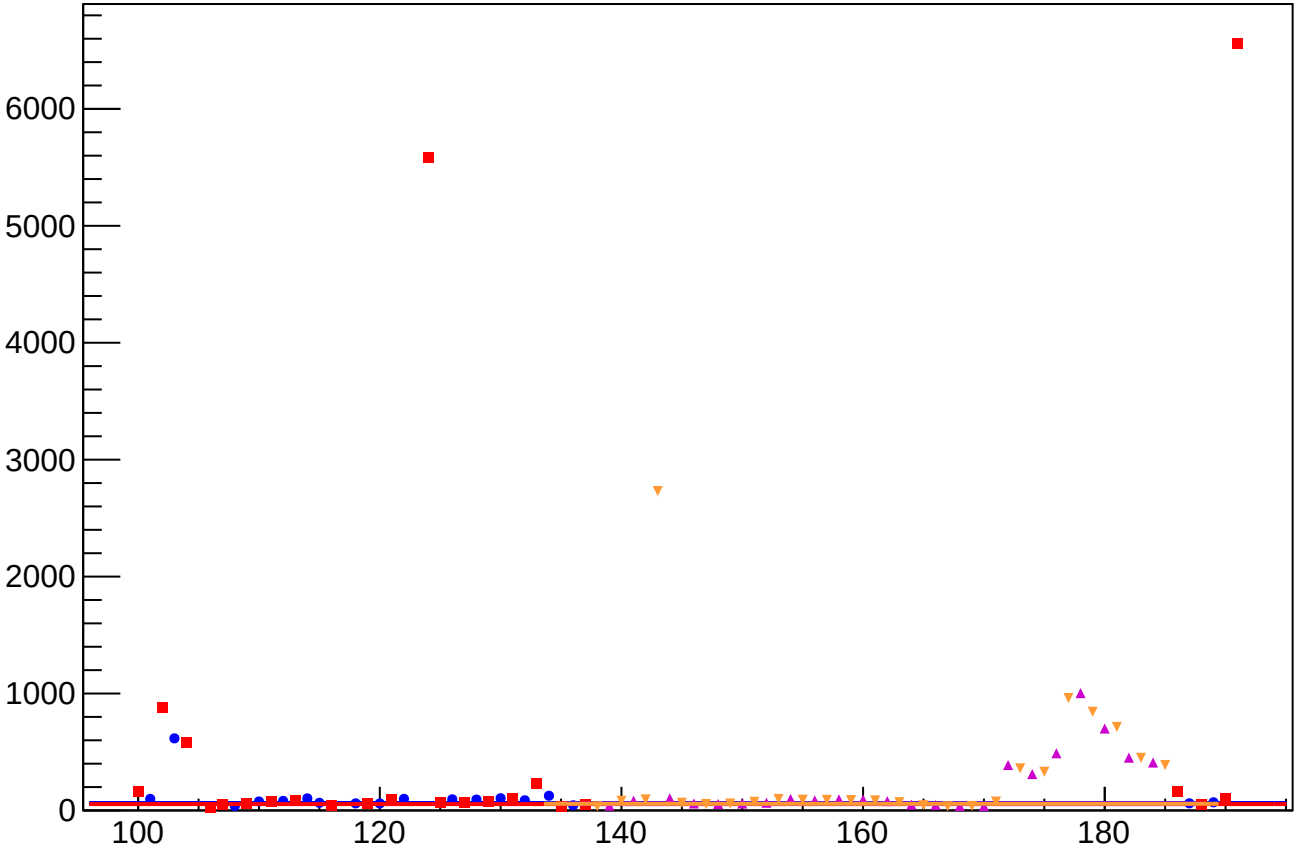
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.034+/-0.014 χ^2/NDF: 41.1/42

All: 0.013+/-0.010 χ^2/NDF: 83.1/88

- sign -0.007+/-0.014 χ^2/NDF: 37.6/45

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

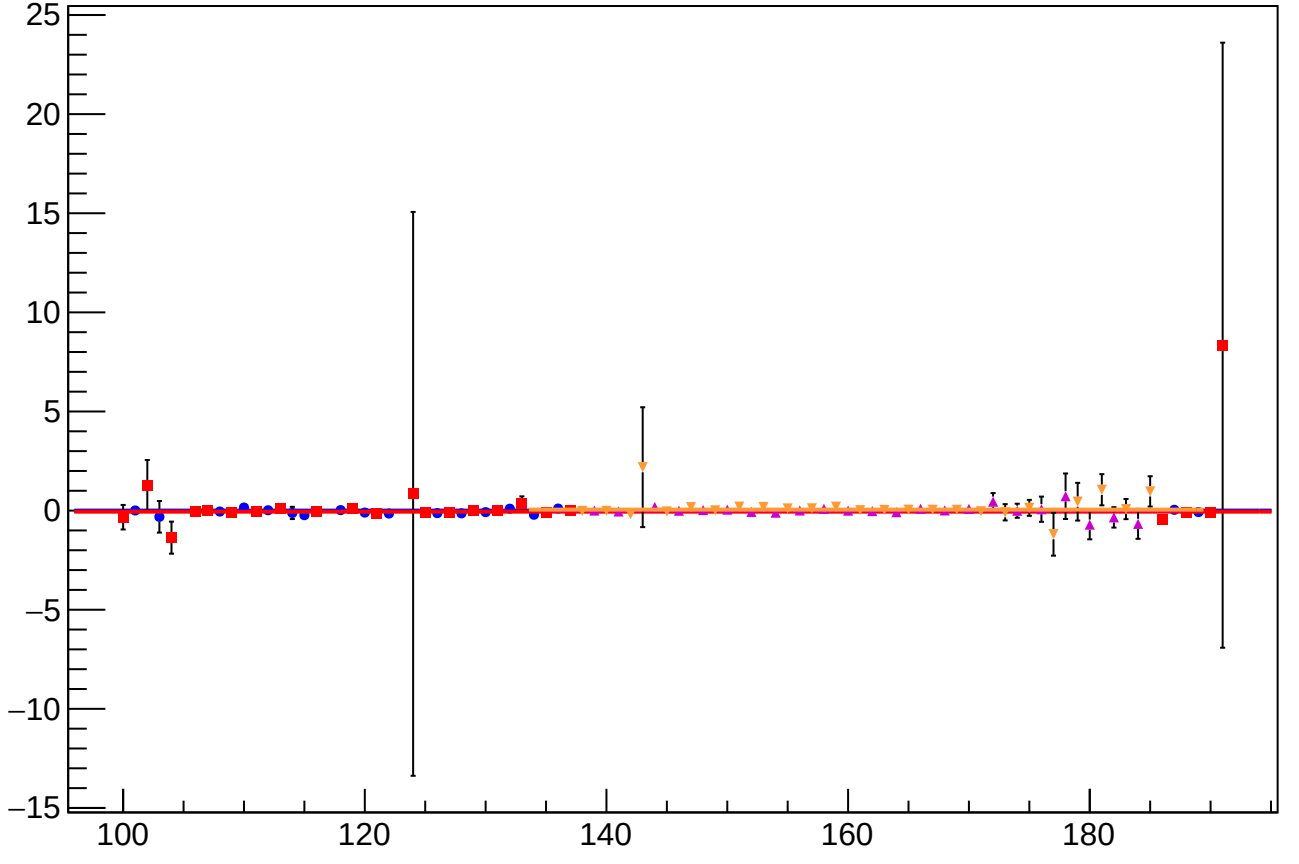
Right Out: 54.342+/-0.016 χ^2/NDF: 4804972.3/22

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

+ sign 59.239+/-0.010 χ^2/NDF: 14863336.3/42

All: 58.086+/-0.007 χ^2/NDF: 29985691.4/88

- sign 57.026+/-0.010 χ^2/NDF: 15097101.4/45



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+/-0.022 χ^2/NDF: 15.7/22

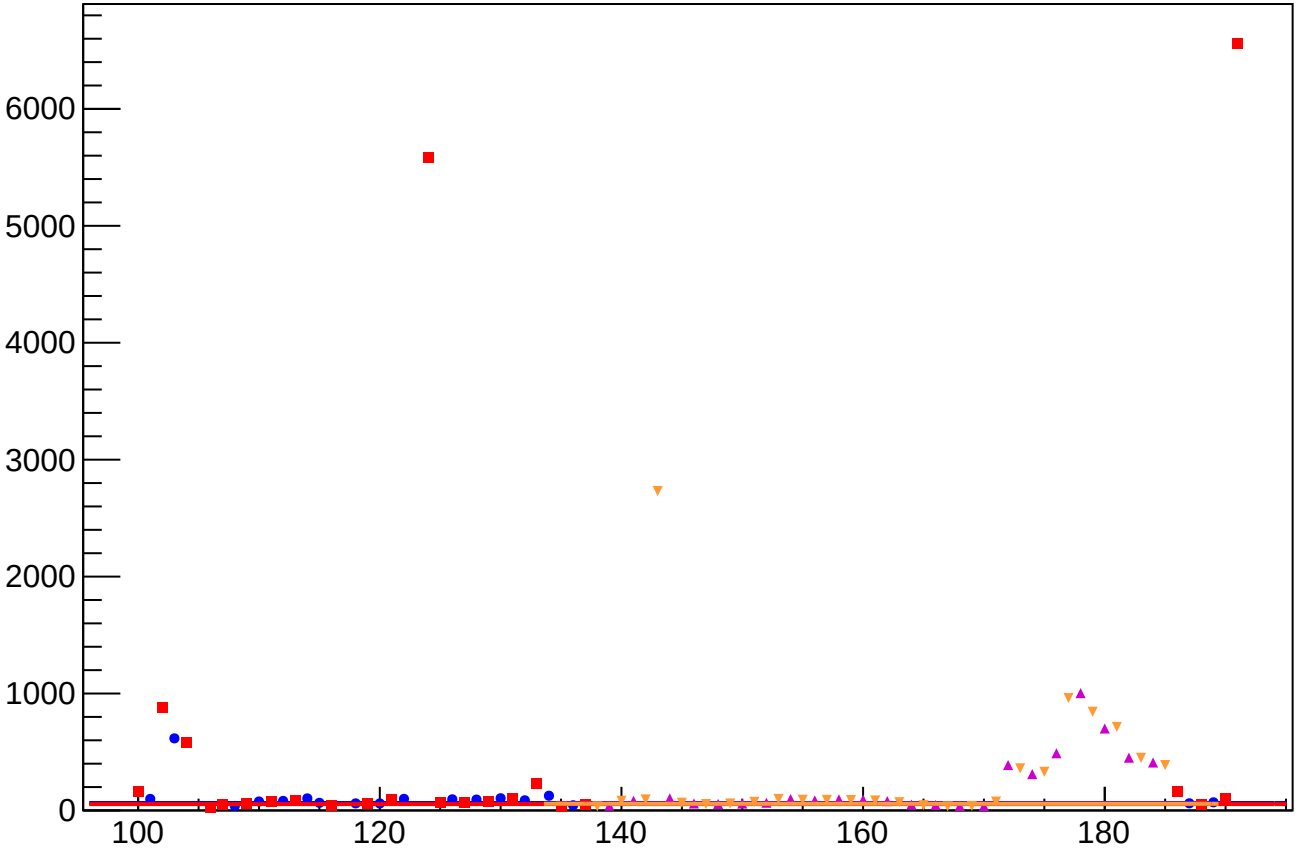
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.034+/-0.014 χ^2/NDF: 41.1/42

All: 0.013+/-0.010 χ^2/NDF: 83.1/88

- sign -0.007+/-0.014 χ^2/NDF: 37.6/45

asym_at2_dd_eigen_dit_vs_eigen_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

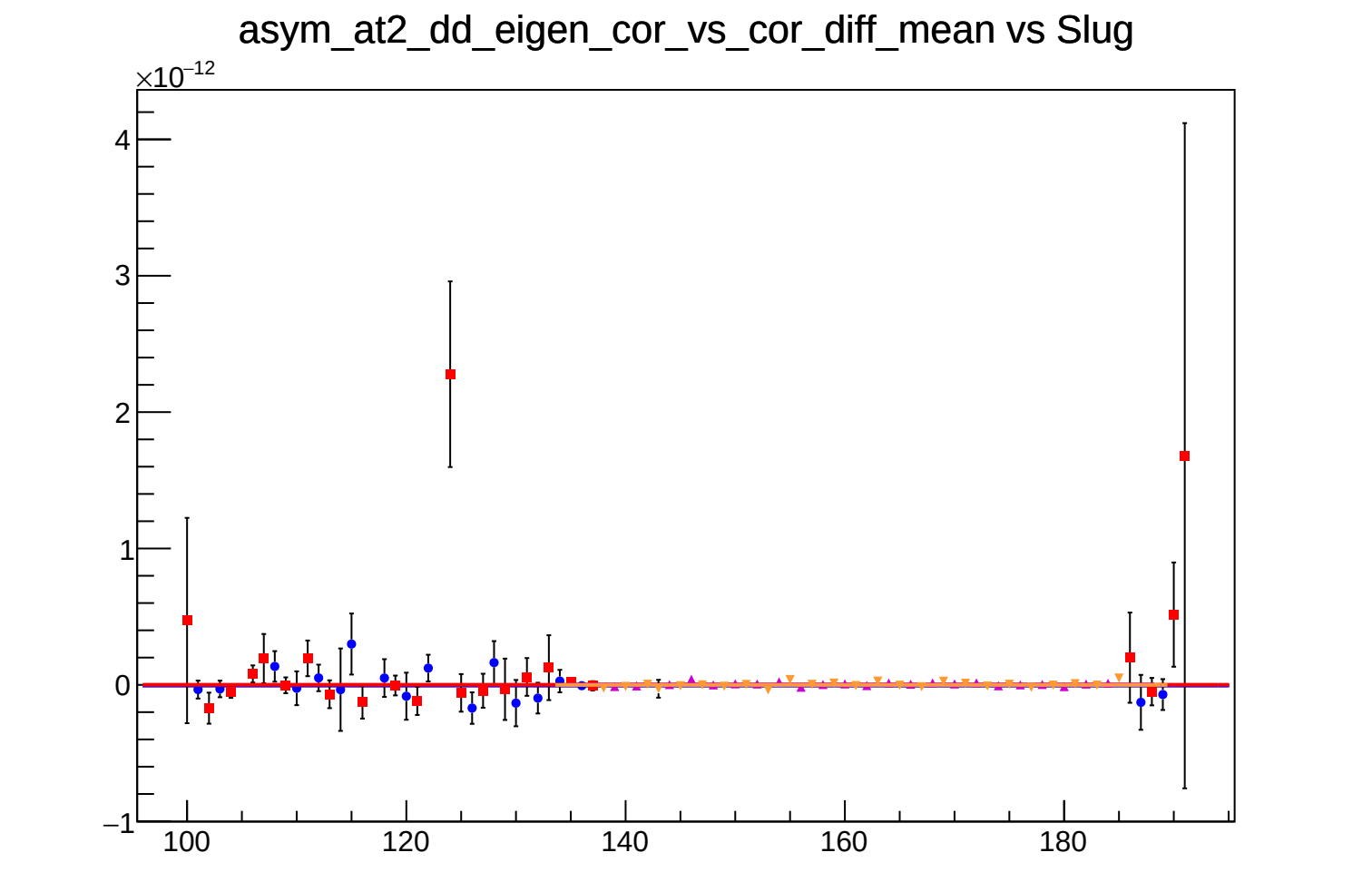
Right Out: 54.342+/-0.016 χ^2/NDF: 4804972.3/22

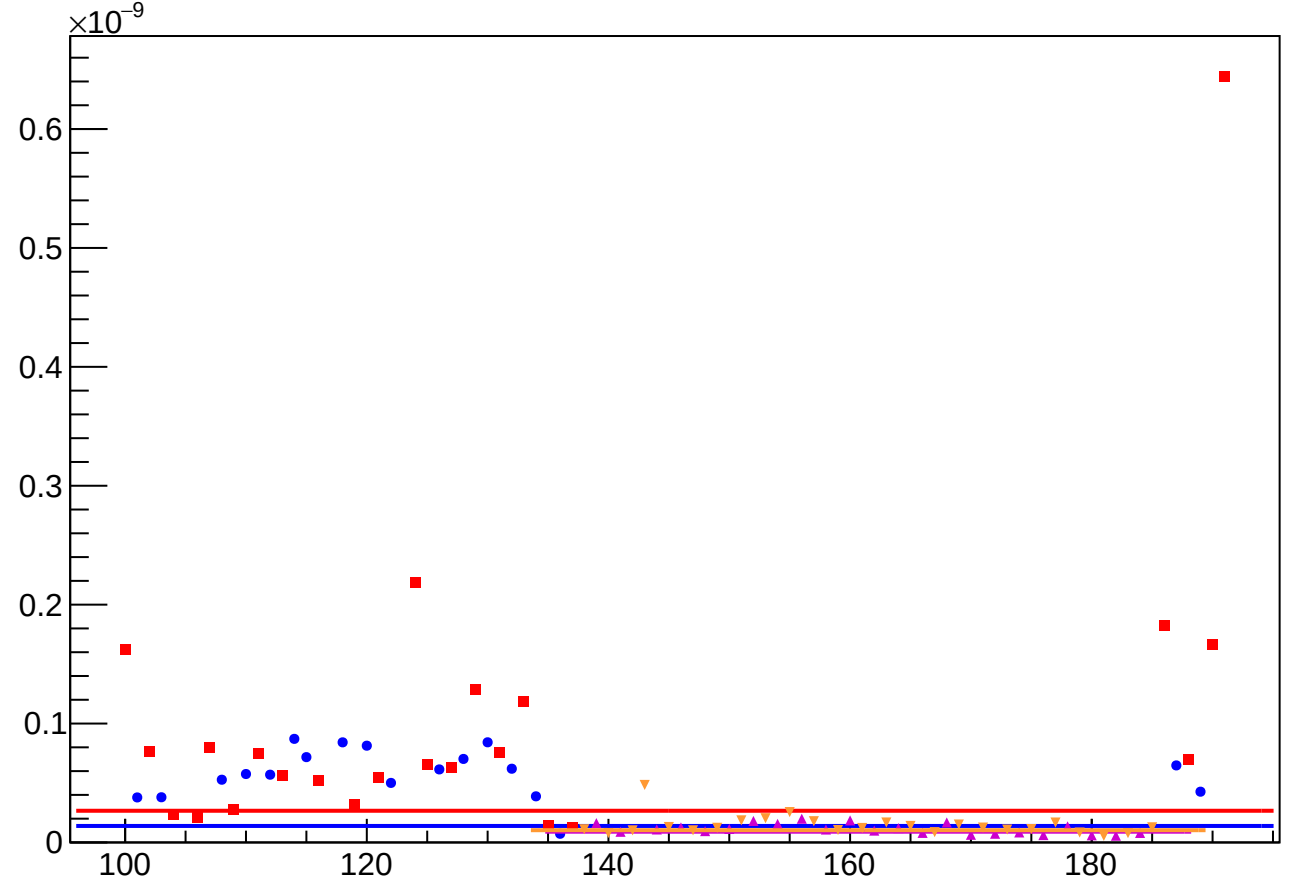
Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

\+ sign 59.239+/-0.010 χ^2/NDF: 14863336.3/42

All: 58.086+/-0.007 χ^2/NDF: 29985691.4/88

\- sign 57.026+/-0.010 χ^2/NDF: 15097101.4/45


asym_at2_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
4
3
2
1
0
−1
100
120
140
160
180
Right In: -0.000+/-0.000 χ²/NDF: 11.5/17
Left Out: -0.000+/-0.000 χ²/NDF:18.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 28.0/22
Left In: 0.000+/-0.000 χ²/NDF:15.4/22
+ sign -0.000+/-0.000 χ²/NDF: 30.6/42
All: 0.000+/-0.000 χ²/NDF: 74.9/88
- sign 0.000+/-0.000 χ²/NDF: 43.4/45



Right In: 0.000+/-0.000 χ^2/NDF: 5253436.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:3643428.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4810465.9/22

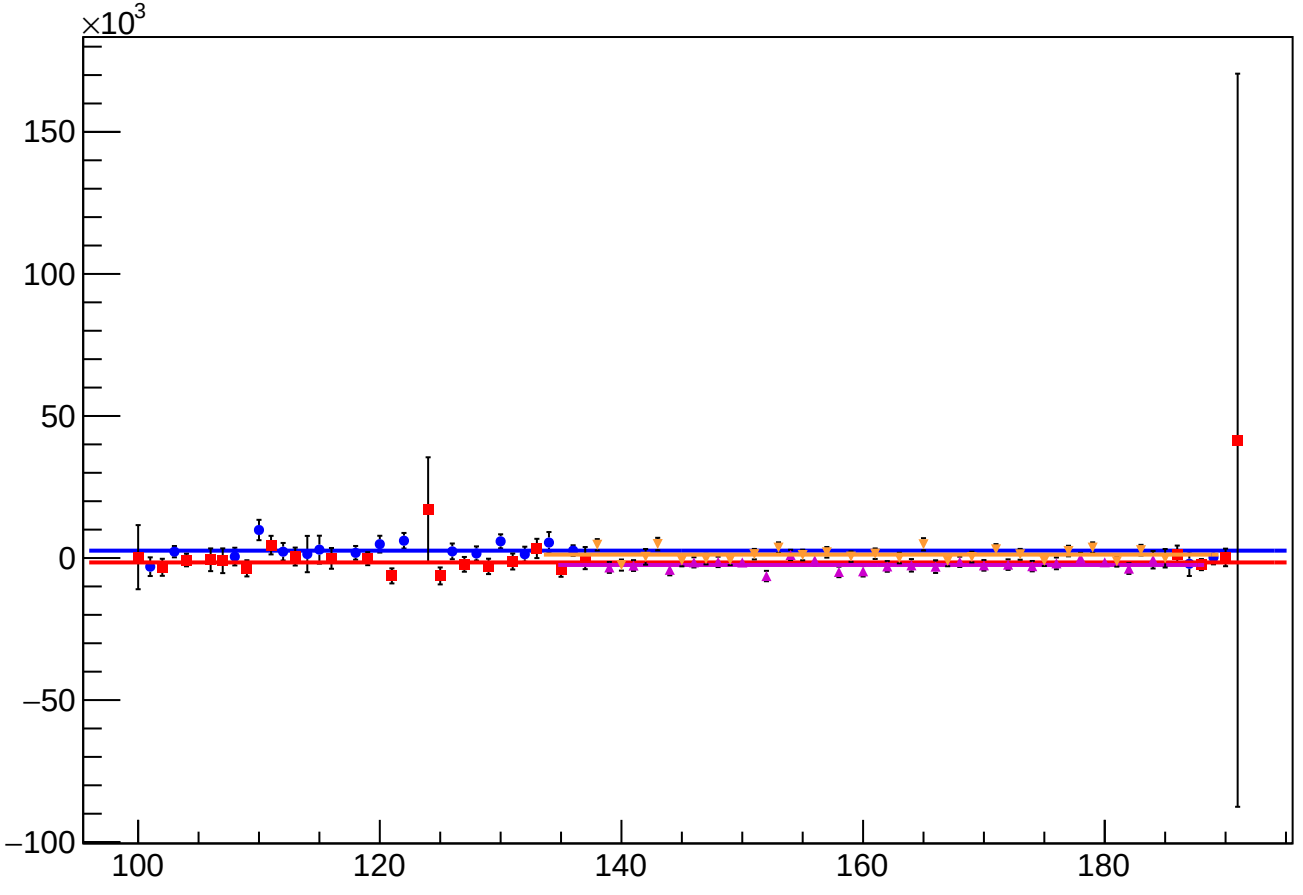
Left In: 0.000+/-0.000 χ^2/NDF:3047861.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 9121297.2/42

All: 0.000+/-0.000 χ^2/NDF: 19802748.7/88

- sign 0.000+/-0.000 χ^2/NDF: 10571878.2/45

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: -1552.183+/-635.337 χ^2/NDF: 17.4/22

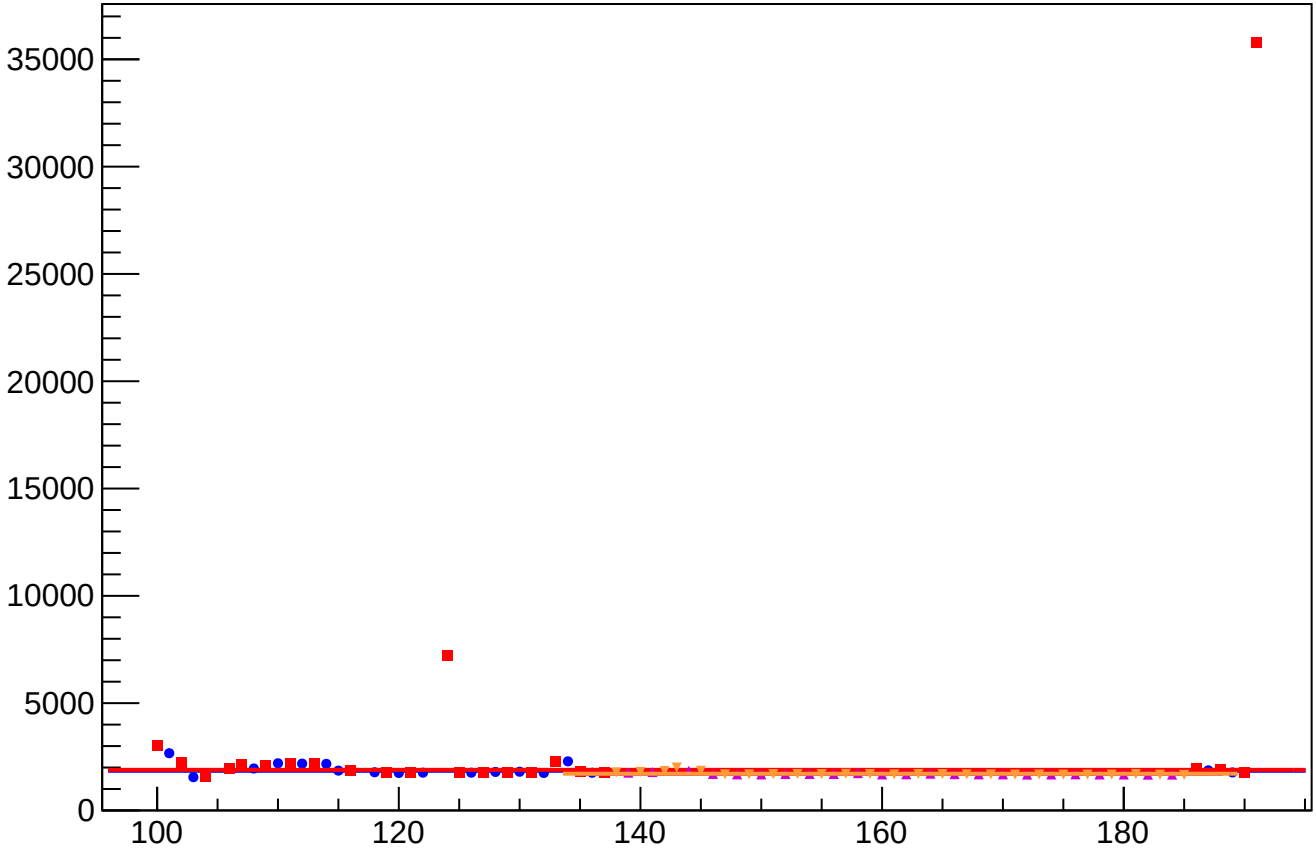
Left In: -2439.008+/-397.969 χ^2/NDF:17.5/22

+ sign 1562.008+/-335.265 χ^2/NDF: 44.4/42

All: -302.386+/-237.772 χ^2/NDF: 142.9/88

- sign -2189.103+/-337.266 χ^2/NDF: 36.3/45

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: 1892.064+/-0.448 χ^2/NDF: 513870.4/22

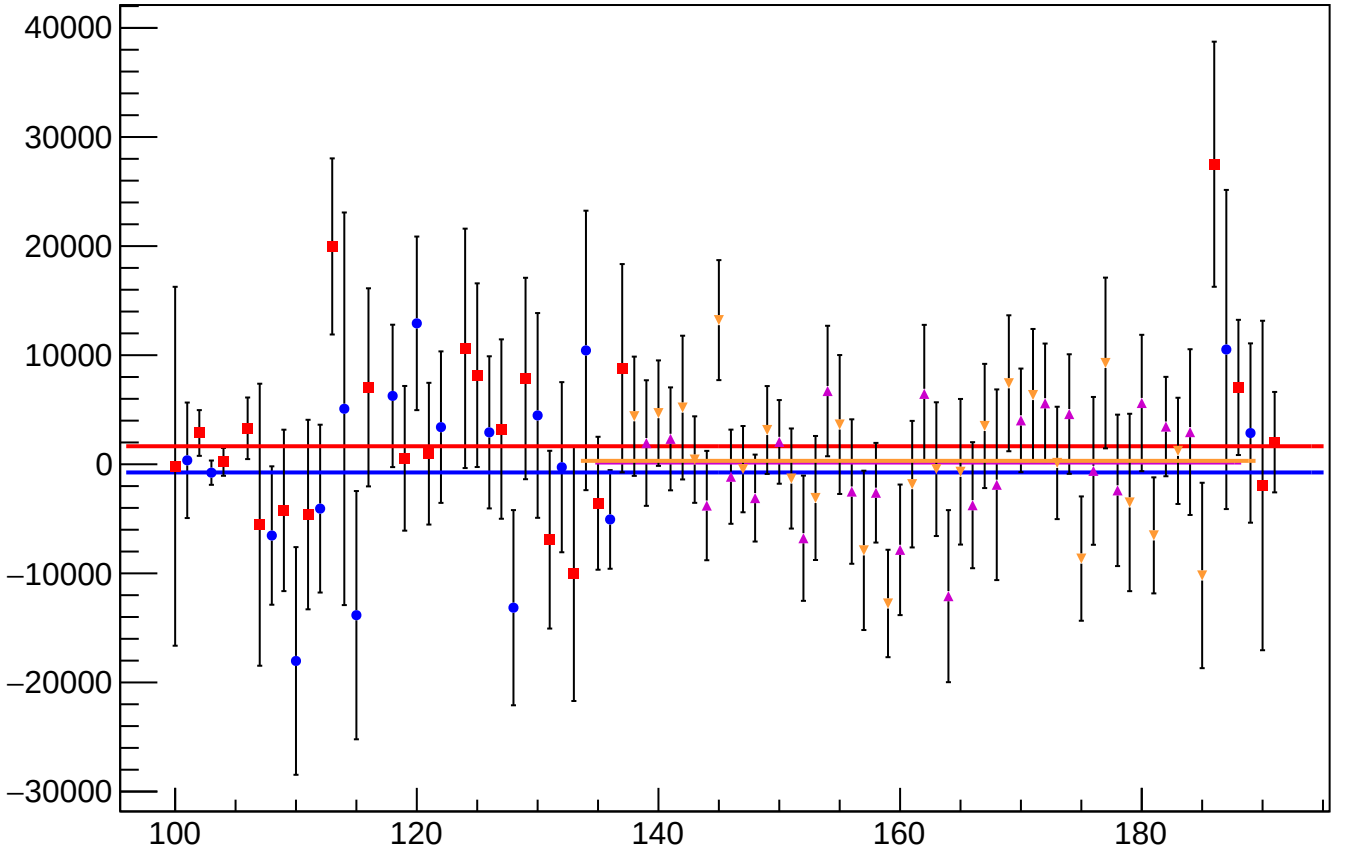
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1747.055+/-0.237 χ^2/NDF: 389298.0/42

All: 1752.059+/-0.168 χ^2/NDF: 1052872.4/88

- sign 1757.117+/-0.238 χ^2/NDF: 662678.5/45

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: 1652.710+/-884.735 χ^2/NDF: 20.2/22

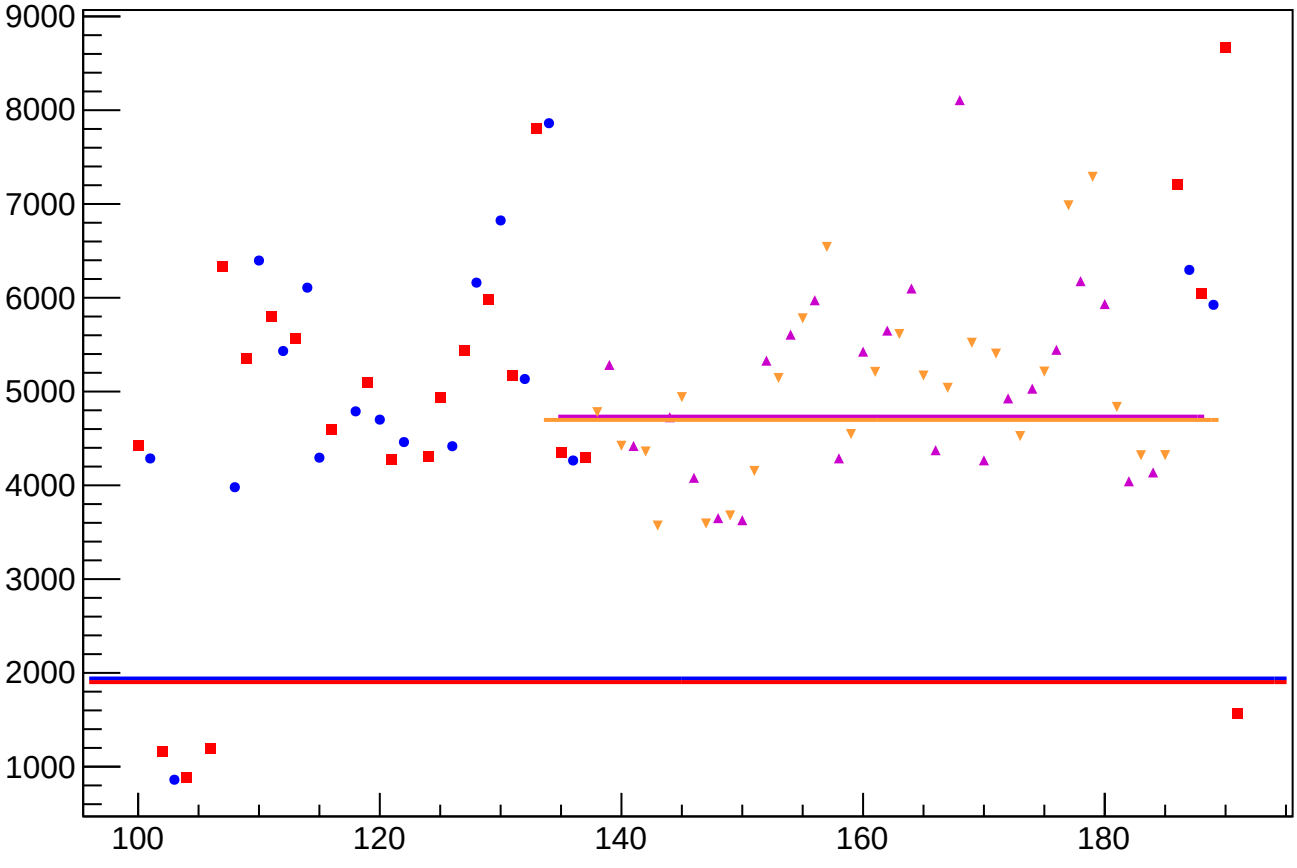
Left In: 157.968+/-1128.443 χ^2/NDF:14.7/22

+ sign -288.960+/-718.586 χ^2/NDF: 42.2/42

All: 419.019+/-500.034 χ^2/NDF: 80.1/88

- sign 1083.674+/-696.252 χ^2/NDF: 36.0/45

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: 1901.672+/-0.626 χ^2/NDF: 8231868.5/22

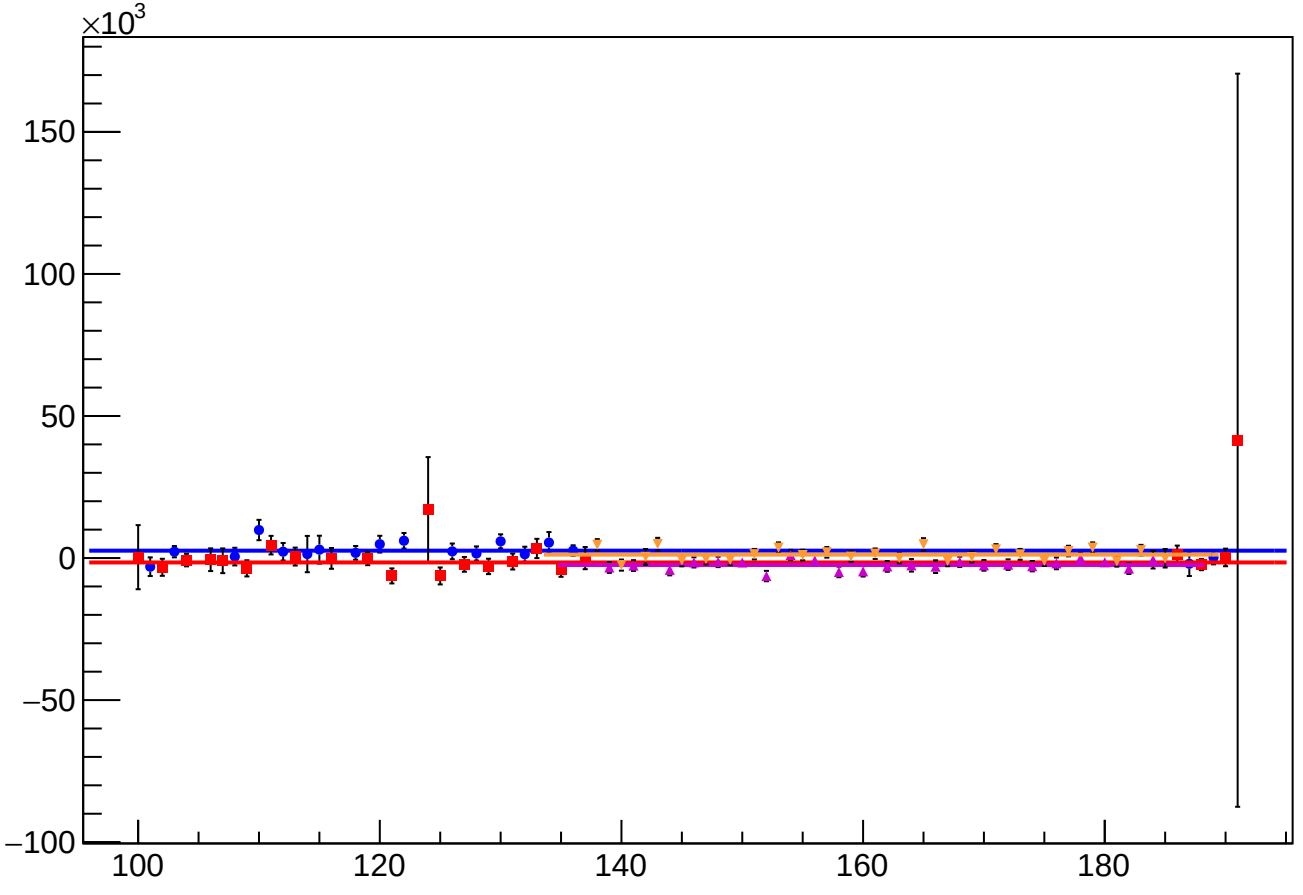
Left In: 4732.424+/-0.798 χ^2/NDF:1242793.9/22

+ sign 3134.156+/-0.508 χ^2/NDF: 15979728.4/42

All: 3054.292+/-0.354 χ^2/NDF: 33296656.5/8

- sign 2979.316+/-0.492 χ^2/NDF: 17269031.5/45

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: -1551.072+/-635.338 χ^2/NDF: 17.4/22

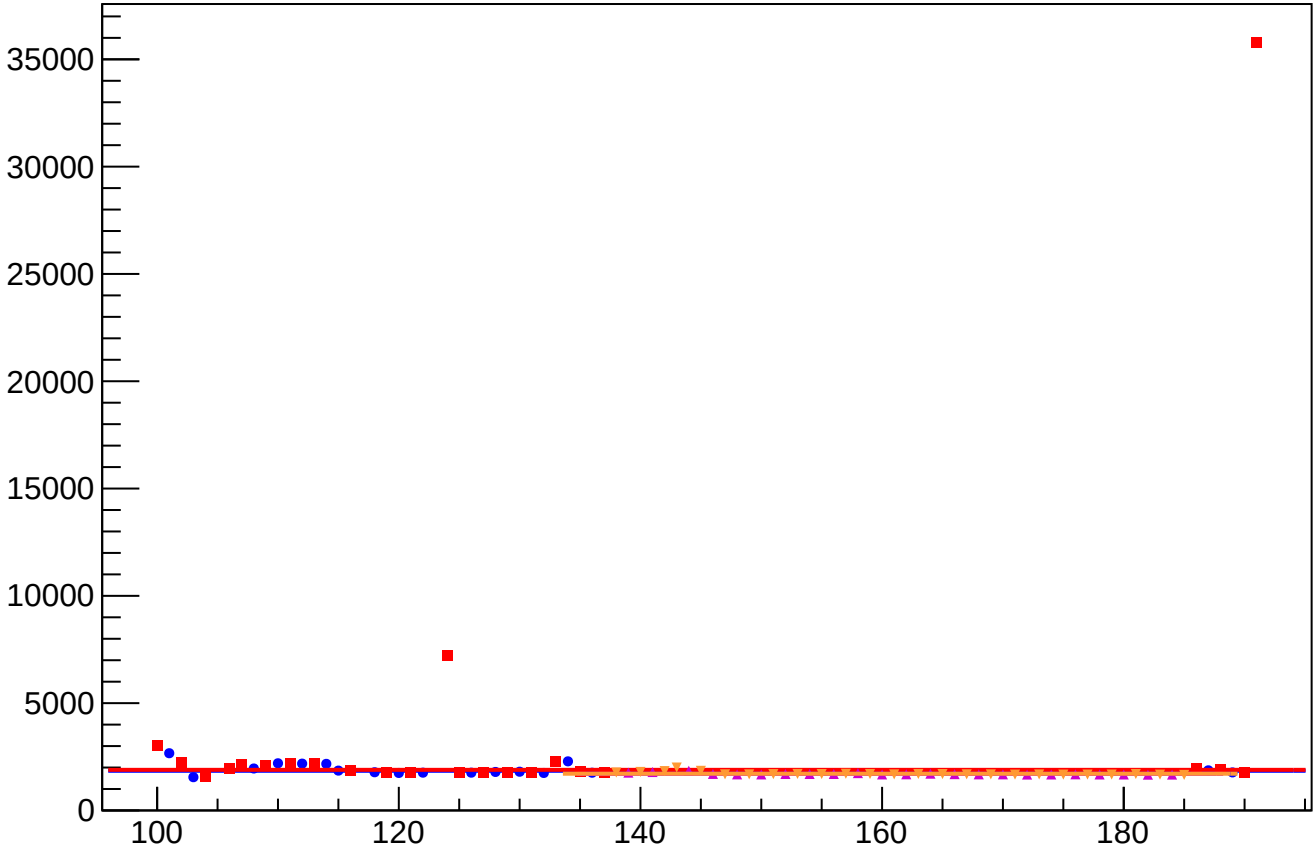
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1561.967+/-335.265 χ^2/NDF: 44.4/42

All: -302.226+/-237.772 χ^2/NDF: 142.9/88

- sign -2188.741+/-337.266 χ^2/NDF: 36.3/45

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: 1892.435+/-0.448 χ^2/NDF: 514110.0/22

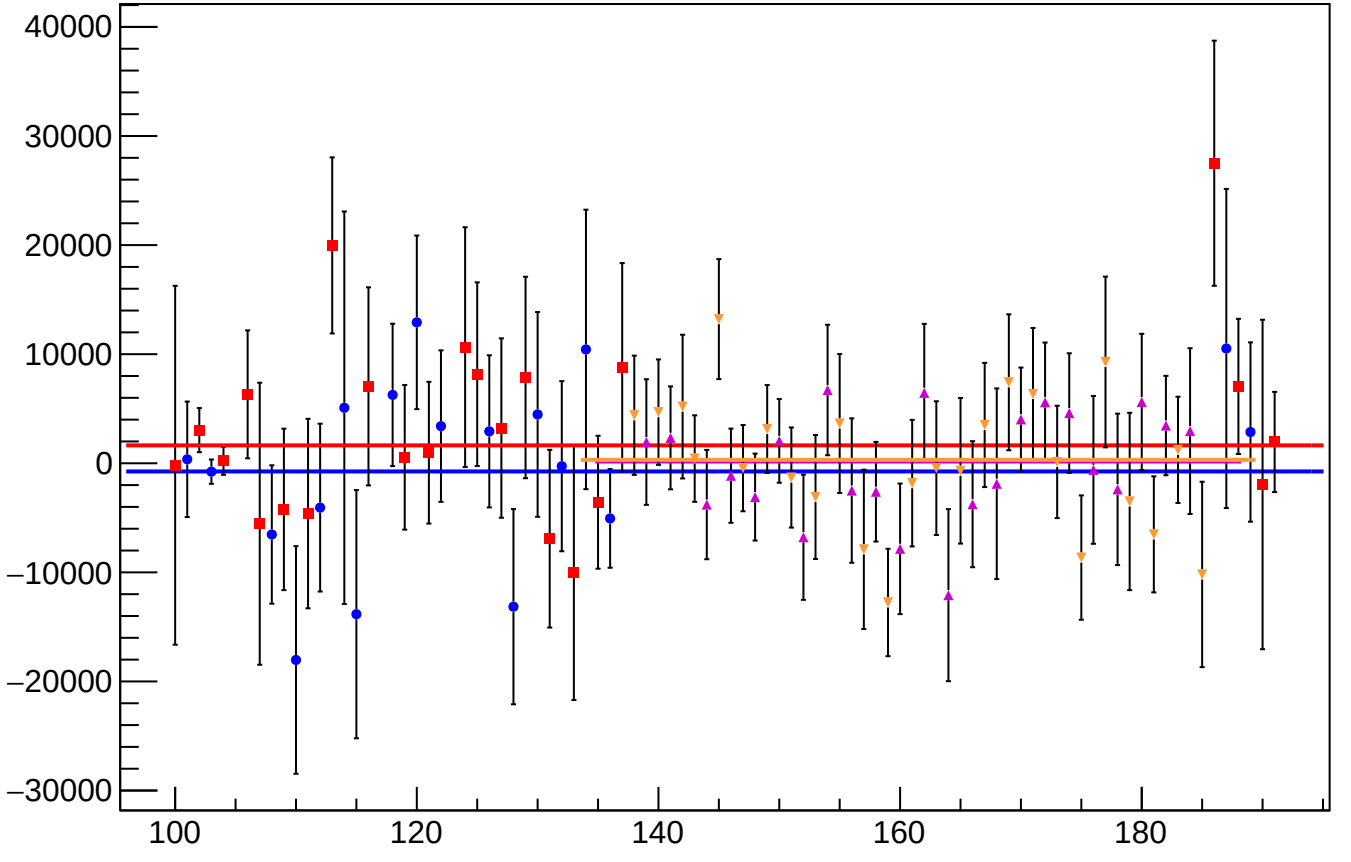
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1747.055+/-0.237 χ^2/NDF: 389297.9/42

All: 1752.103+/-0.168 χ^2/NDF: 1053592.9/88

- sign 1757.208+/-0.238 χ^2/NDF: 663382.9/45

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: 1641.191+/-913.594 χ^2/NDF: 20.7/22

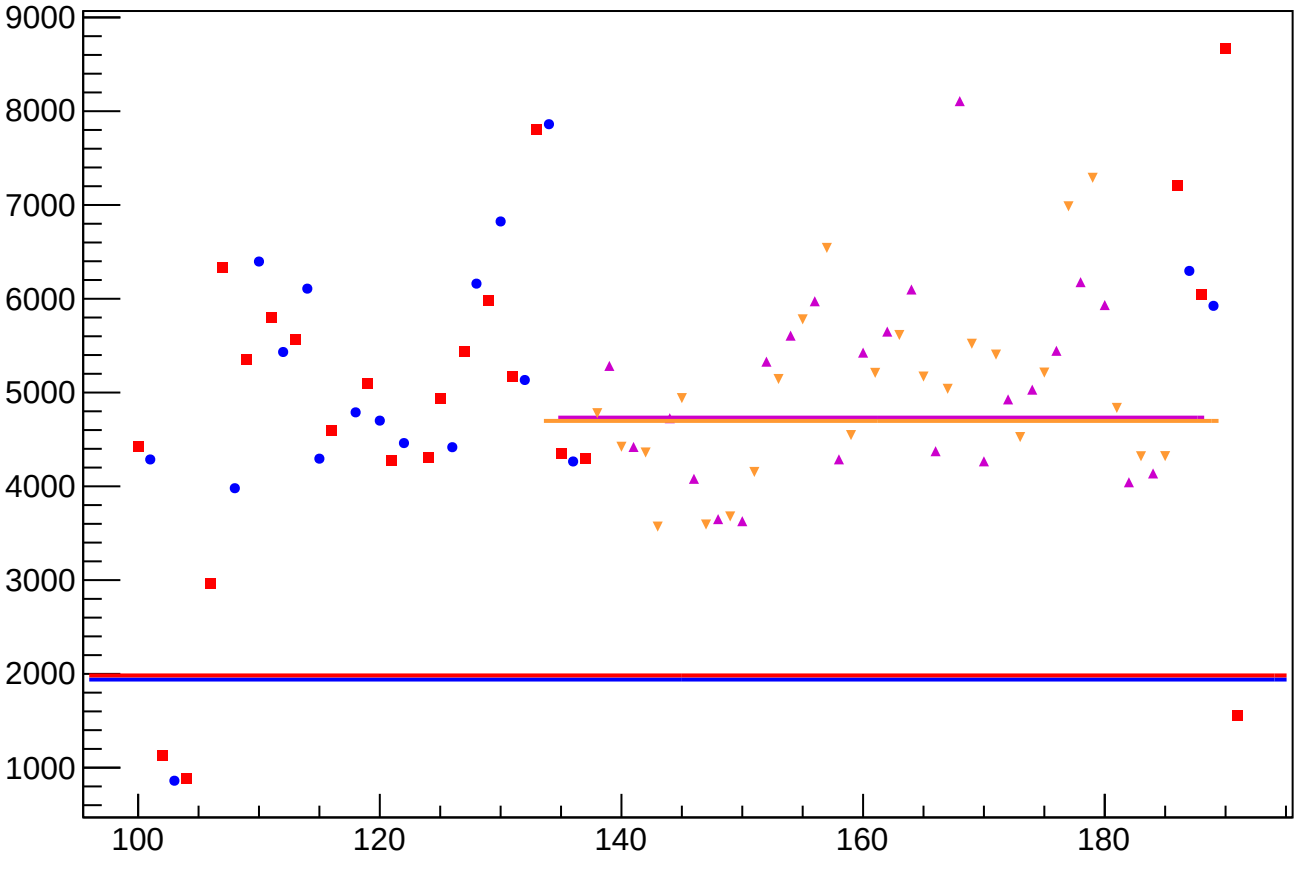
Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

+ sign -288.714+/-718.563 χ^2/NDF: 42.2/42

All: 390.601+/-505.067 χ^2/NDF: 80.4/88

- sign 1053.929+/-710.058 χ^2/NDF: 36.4/45

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: 1983.506+/-0.646 χ^2/NDF: 8202554.3/22

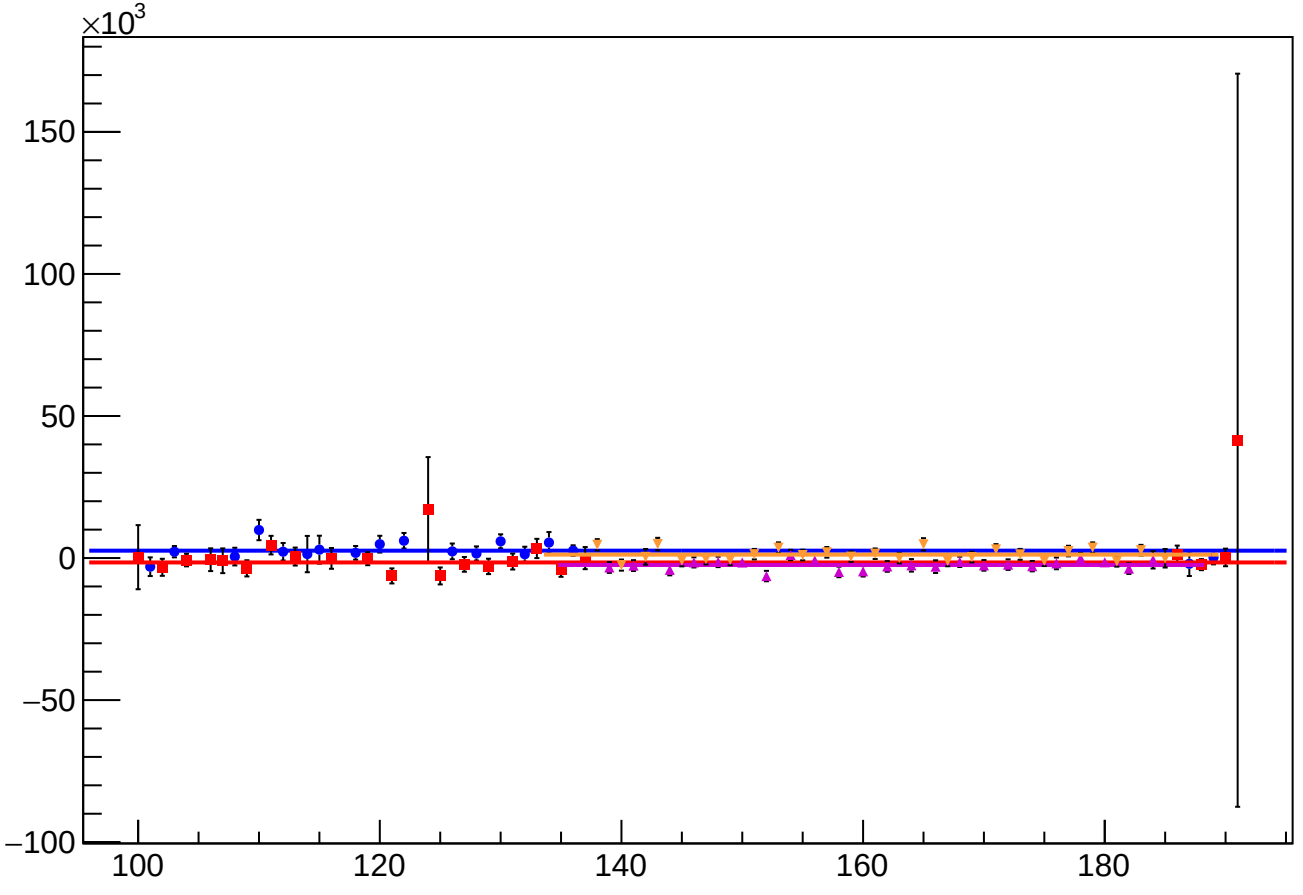
Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

+ sign 3133.992+/-0.508 χ^2/NDF: 15981372.3/42

All: 3102.580+/-0.357 χ^2/NDF: 32603552.8/8

- sign 3071.908+/-0.502 χ^2/NDF: 16614626.7/45

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: -1551.072+/-635.338 χ^2/NDF: 17.4/22

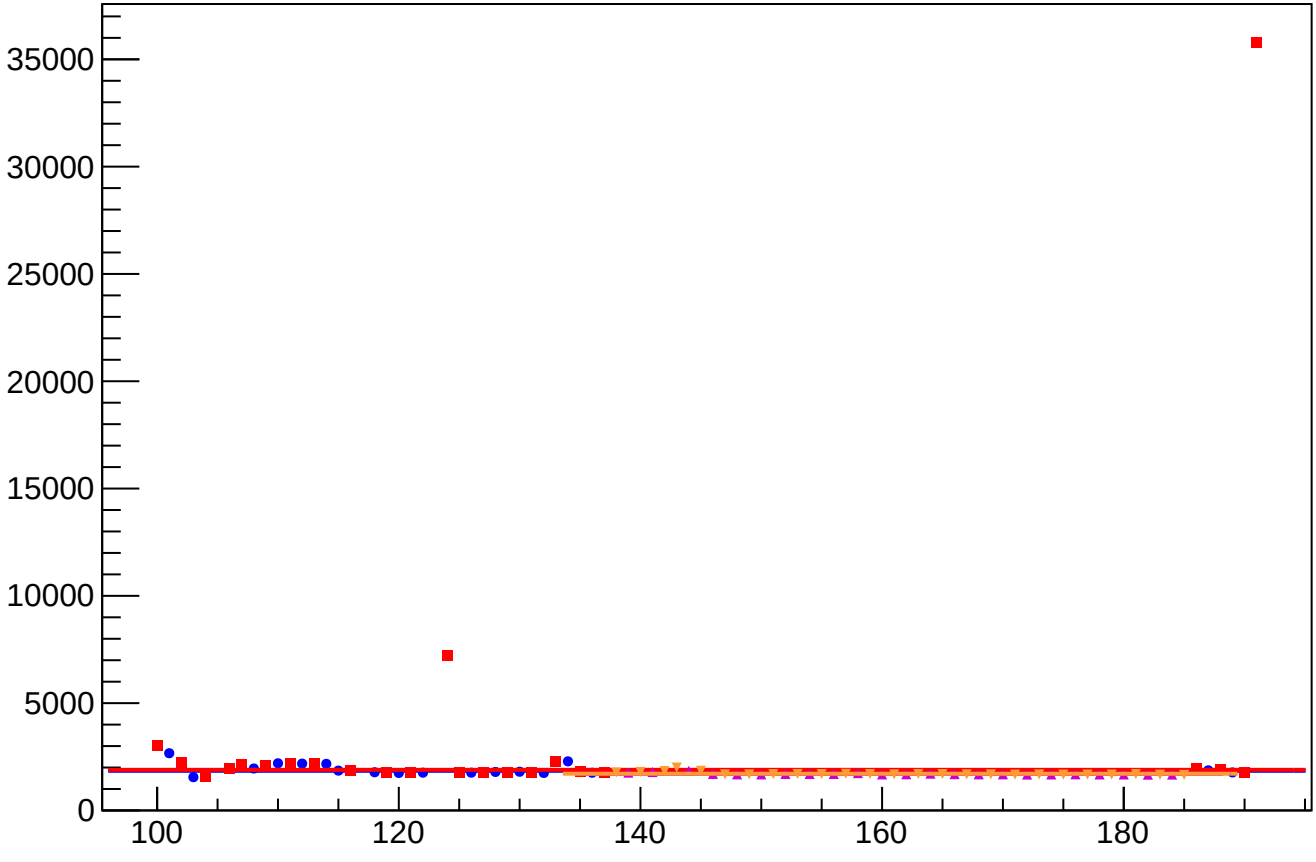
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1561.967+/-335.265 χ^2/NDF: 44.4/42

All: -302.226+/-237.772 χ^2/NDF: 142.9/88

- sign -2188.741+/-337.266 χ^2/NDF: 36.3/45

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: 1892.435+/-0.448 χ^2/NDF: 514110.0/22

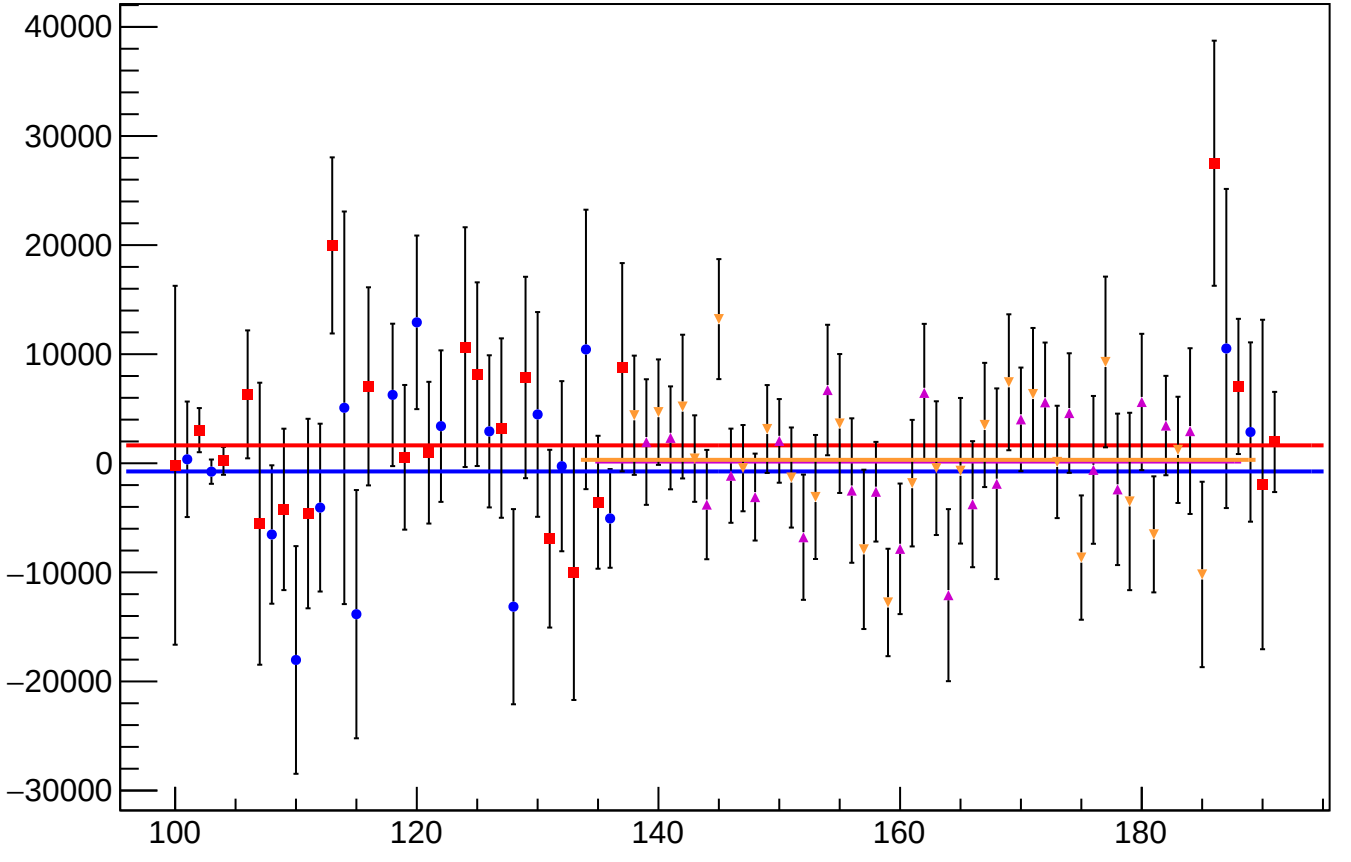
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1747.055+/-0.237 χ^2/NDF: 389297.9/42

All: 1752.103+/-0.168 χ^2/NDF: 1053592.9/88

- sign 1757.208+/-0.238 χ^2/NDF: 663382.9/45

asym_atl1r2_avg_eigen_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: 1641.191+/-913.594 χ^2/NDF: 20.7/22

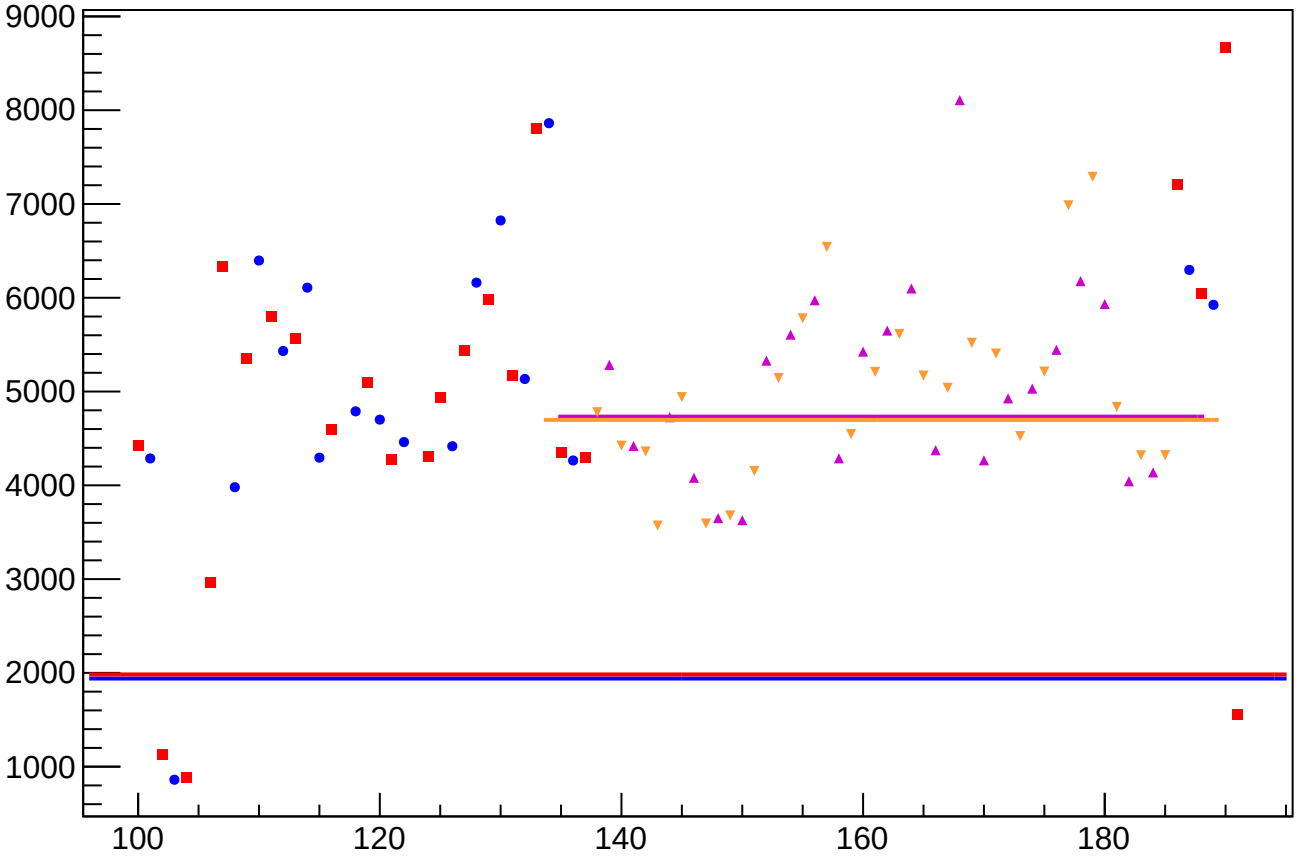
Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

+ sign -288.714+/-718.563 χ^2/NDF: 42.2/42

All: 390.601+/-505.067 χ^2/NDF: 80.4/88

- sign 1053.929+/-710.058 χ^2/NDF: 36.4/45

asym_atl1r2_avg_eigen_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: 1983.506+/-0.646 χ^2/NDF: 8202554.3/22

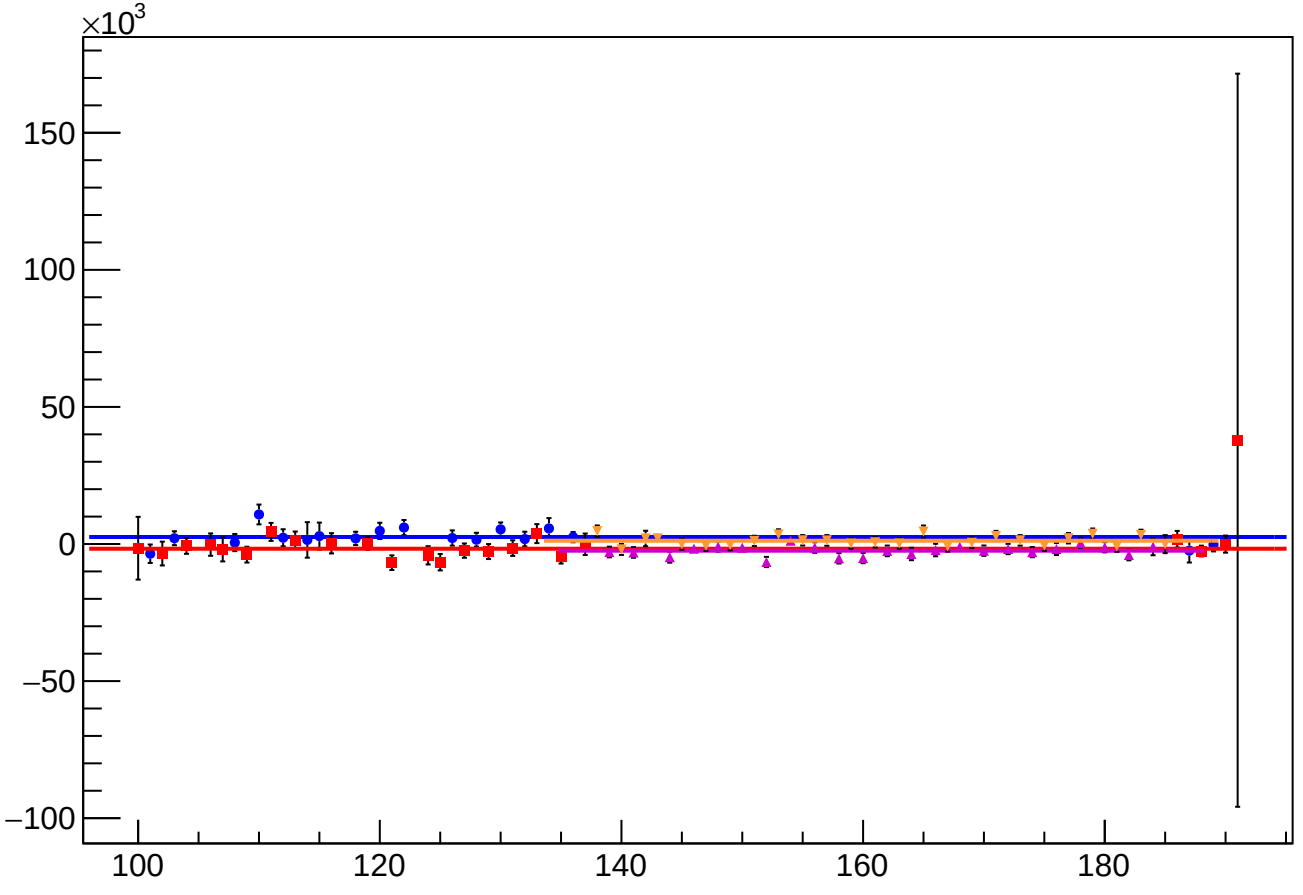
Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

+ sign 3133.992+/-0.508 χ^2/NDF: 15981372.3/42

All: 3102.580+/-0.357 χ^2/NDF: 32603552.8/8

- sign 3071.908+/-0.502 χ^2/NDF: 16614626.7/45

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: -1720.710+/-646.775 χ^2/NDF: 19.3/22

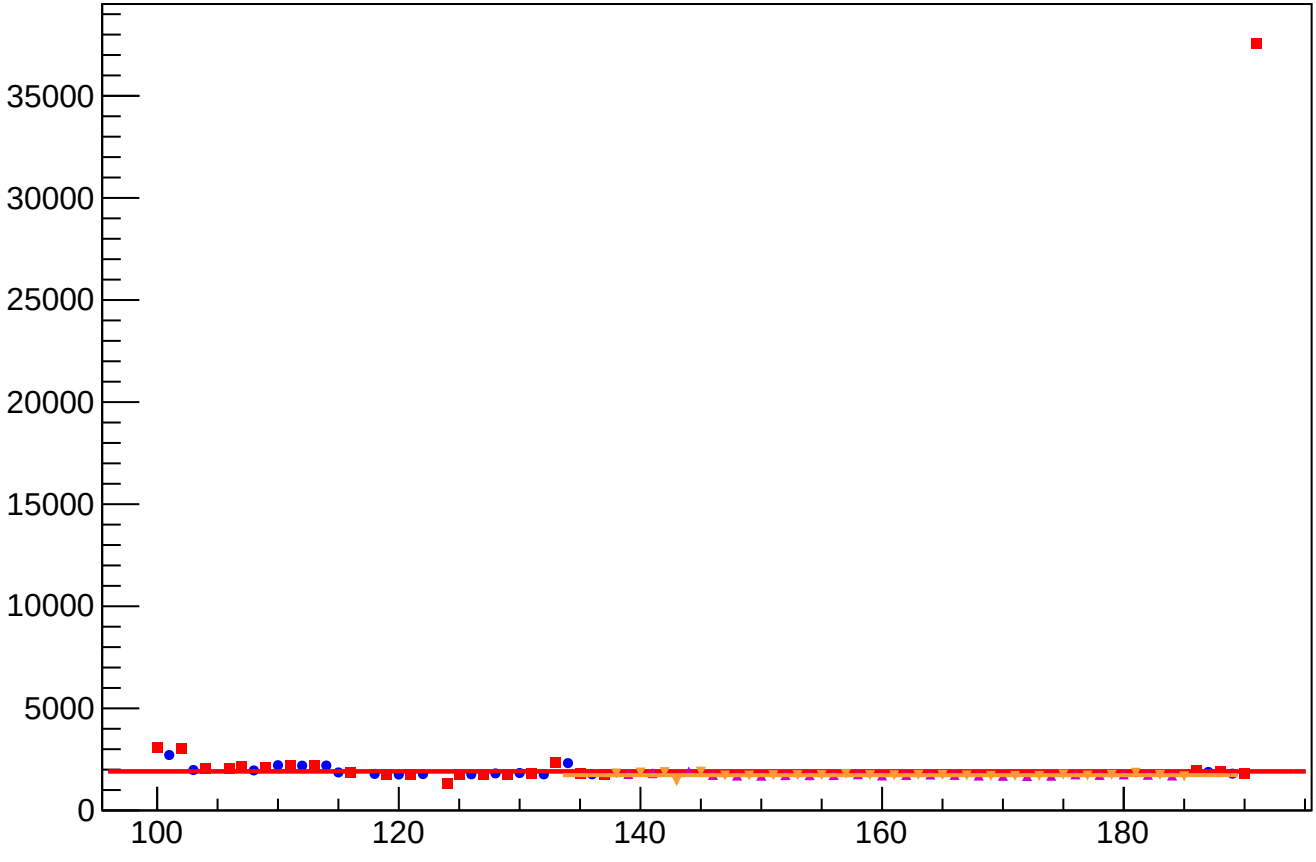
Left In: -2438.062+/-407.551 χ^2/NDF:20.6/22

+ sign 1537.973+/-340.413 χ^2/NDF: 38.3/42

All: -323.923+/-242.247 χ^2/NDF: 139.7/88

- sign -2234.182+/-344.806 χ^2/NDF: 40.8/45

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: 1920.780+/-0.457 χ^2/NDF: 494660.1/22

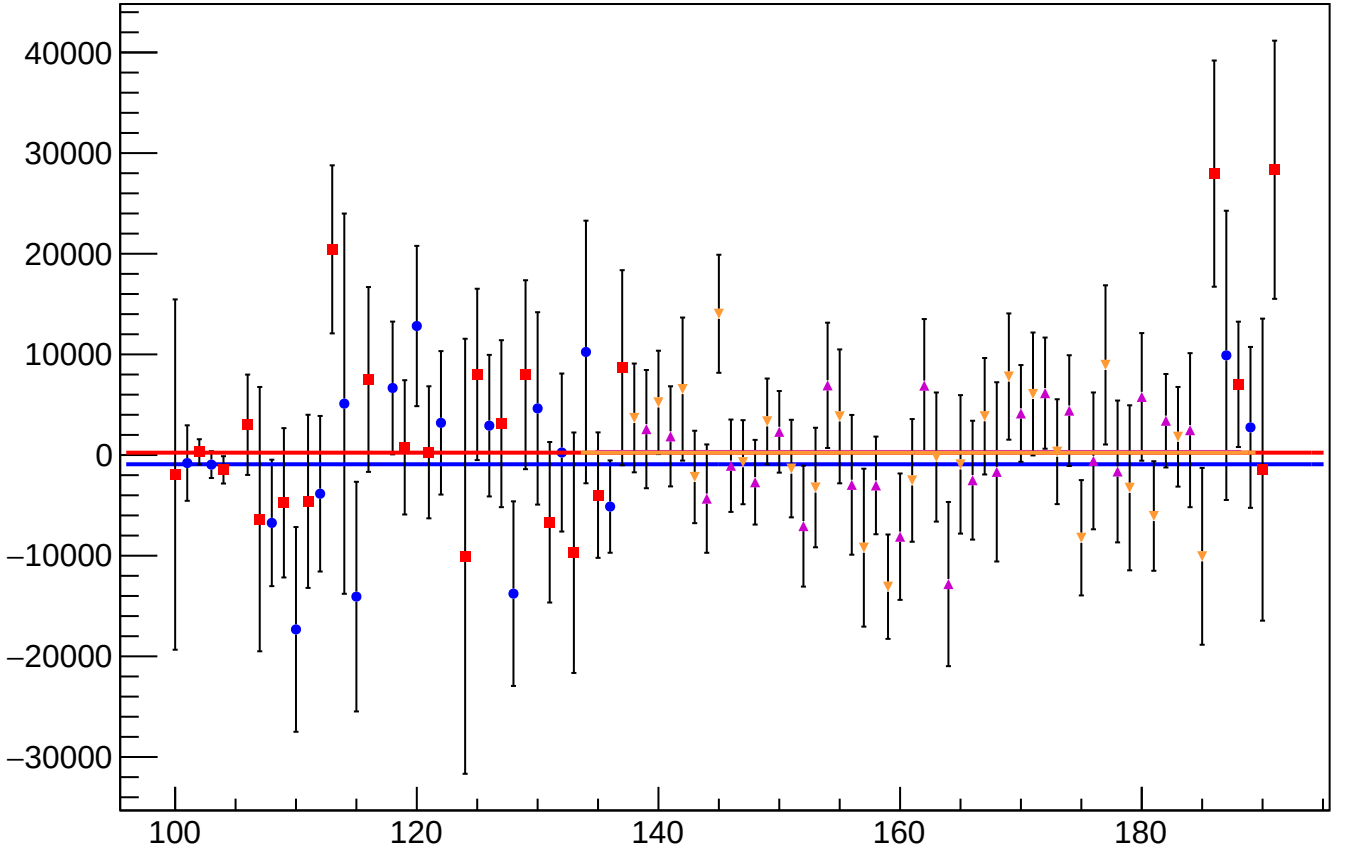
Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

+ sign 1772.568+/-0.241 χ^2/NDF: 436520.1/42

All: 1783.516+/-0.171 χ^2/NDF: 1068453.2/88

- sign 1794.743+/-0.244 χ^2/NDF: 627743.2/45

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: 235.968+/-823.046 χ^2/NDF: 26.0/22

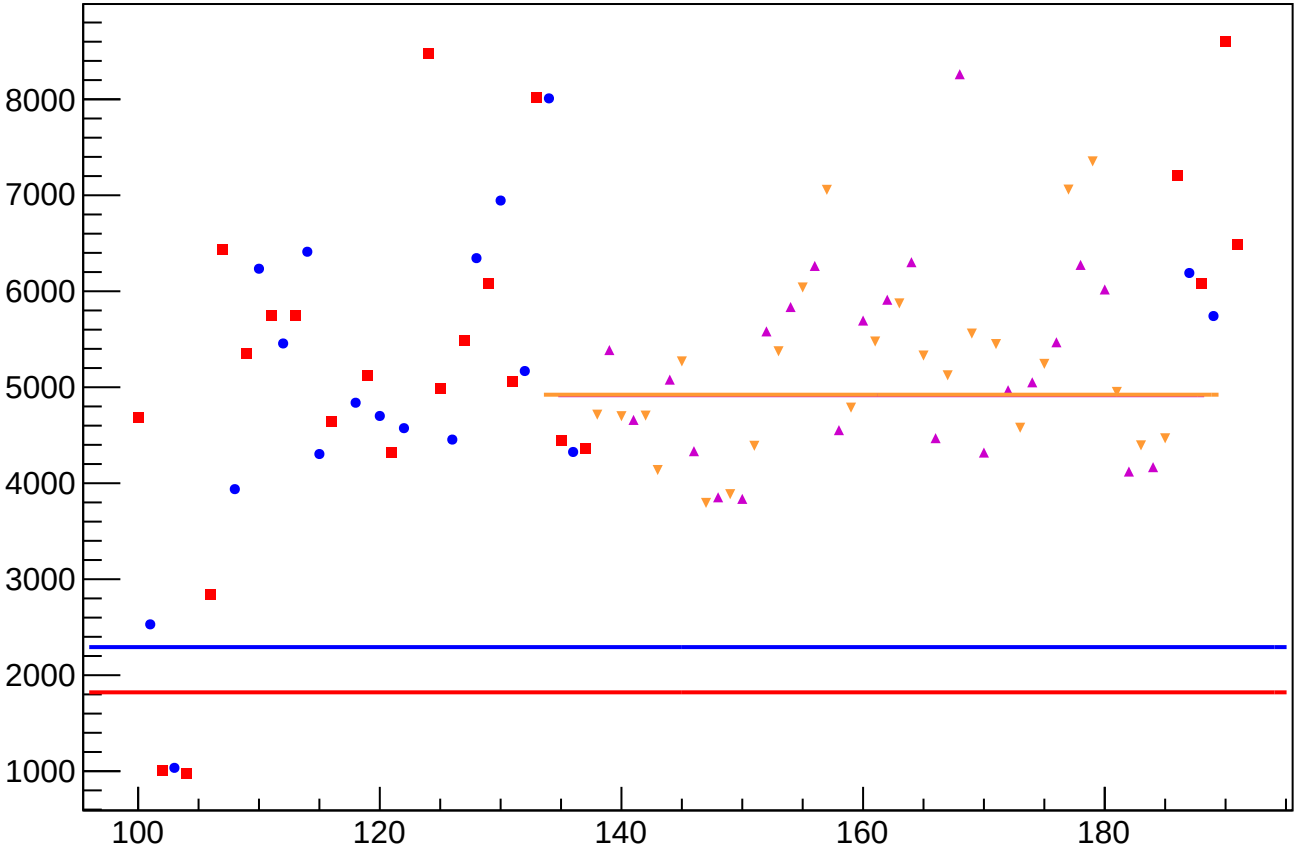
Left In: 306.106+/-1171.019 χ^2/NDF:14.5/22

\+ sign -379.780+/-776.574 χ^2/NDF: 41.9/42

All: -15.058+/-508.746 χ^2/NDF: 82.8/88

\- sign 259.159+/-673.364 χ^2/NDF: 40.5/45

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

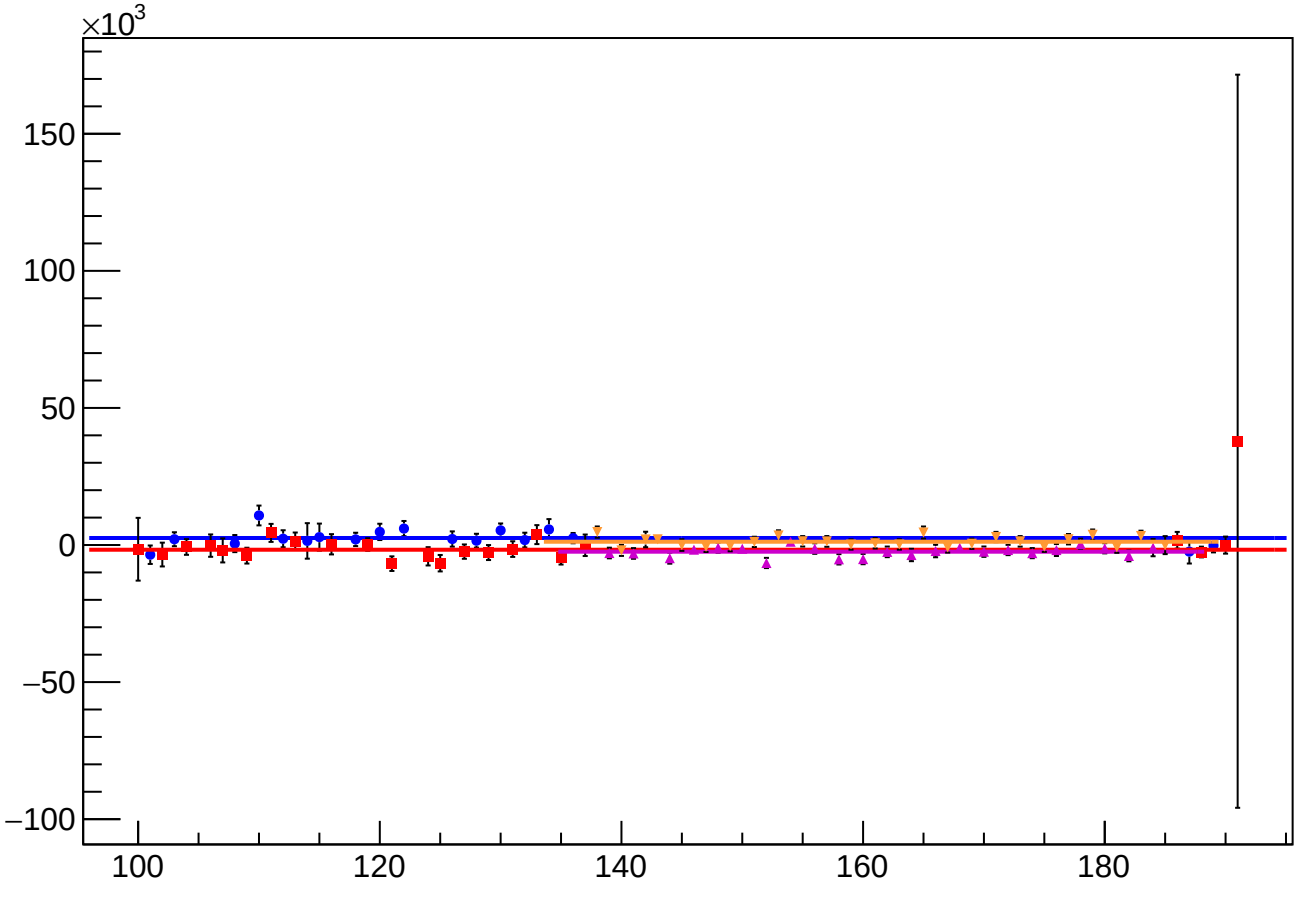
Right Out: 1821.478+/-0.582 χ^2/NDF: 8983621.9/22

Left In: 4916.964+/-0.828 χ^2/NDF:1161642.5/22

\+ sign 3510.927+/-0.549 χ^2/NDF: 12783578.3/42

All: 3130.805+/-0.360 χ^2/NDF: 33122628.5/8

\- sign 2845.008+/-0.476 χ^2/NDF: 19499573.0/45



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: -1720.714+/-646.774 χ^2/NDF: 19.3/22

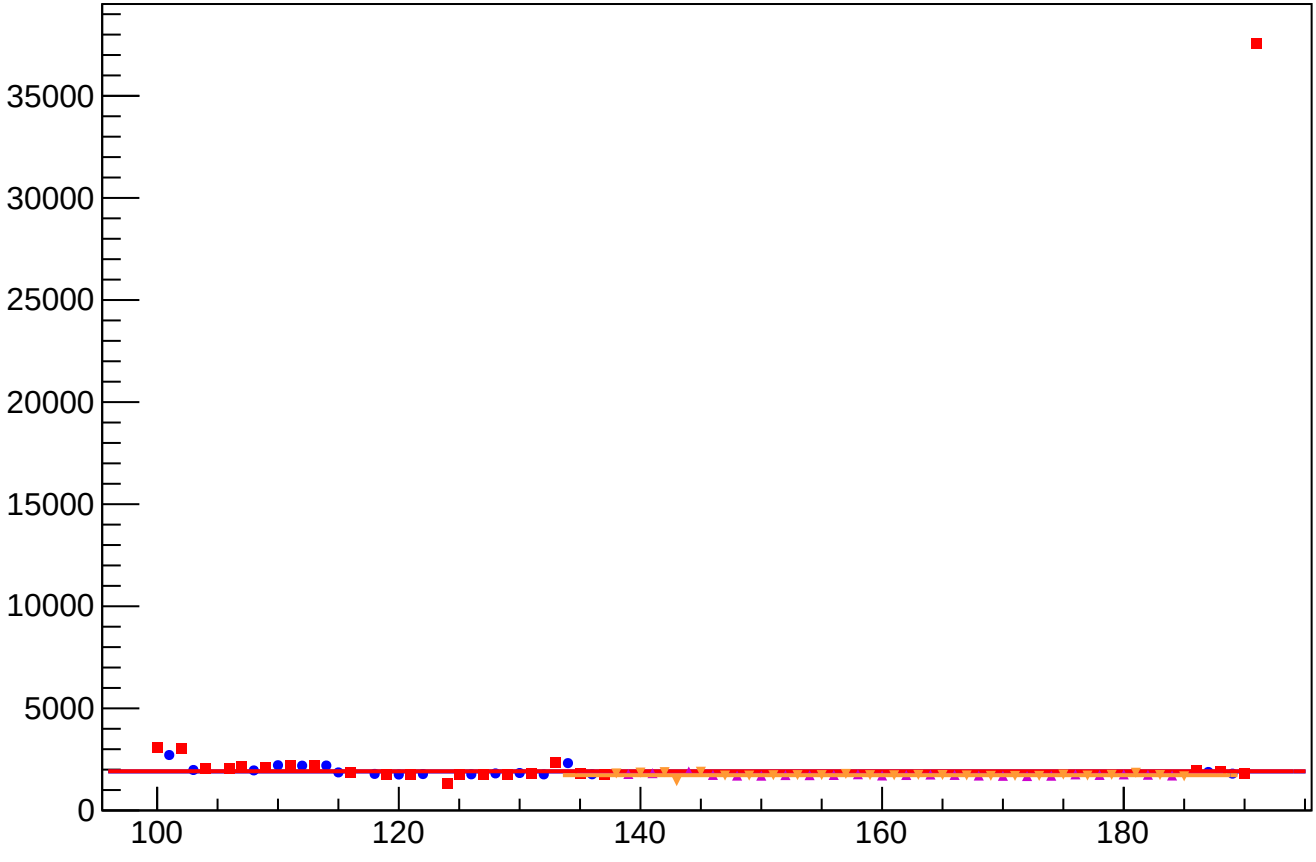
Left In: -2438.062+/-407.552 χ^2/NDF:20.6/22

+ sign 1537.969+/-340.413 χ^2/NDF: 38.3/42

All: -323.926+/-242.247 χ^2/NDF: 139.7/88

- sign -2234.183+/-344.806 χ^2/NDF: 40.8/45

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

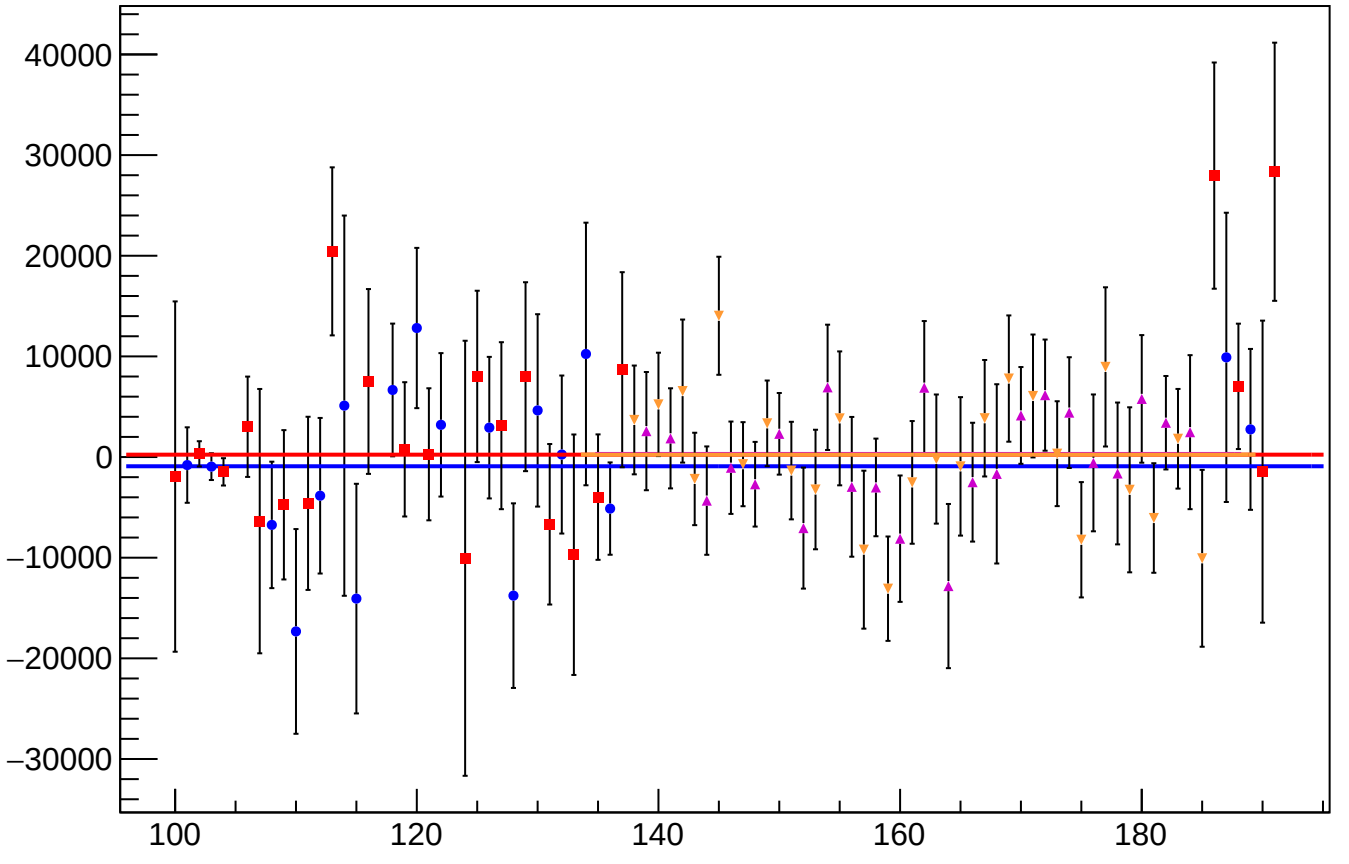
Right Out: 1920.780+/-0.457 χ^2/NDF: 494659.0/22

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

+ sign 1772.568+/-0.241 χ^2/NDF: 436517.5/42

All: 1783.516+/-0.171 χ^2/NDF: 1068448.1/88

- sign 1794.744+/-0.244 χ^2/NDF: 627740.8/45



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: 235.973+/-823.045 χ^2/NDF: 26.0/22

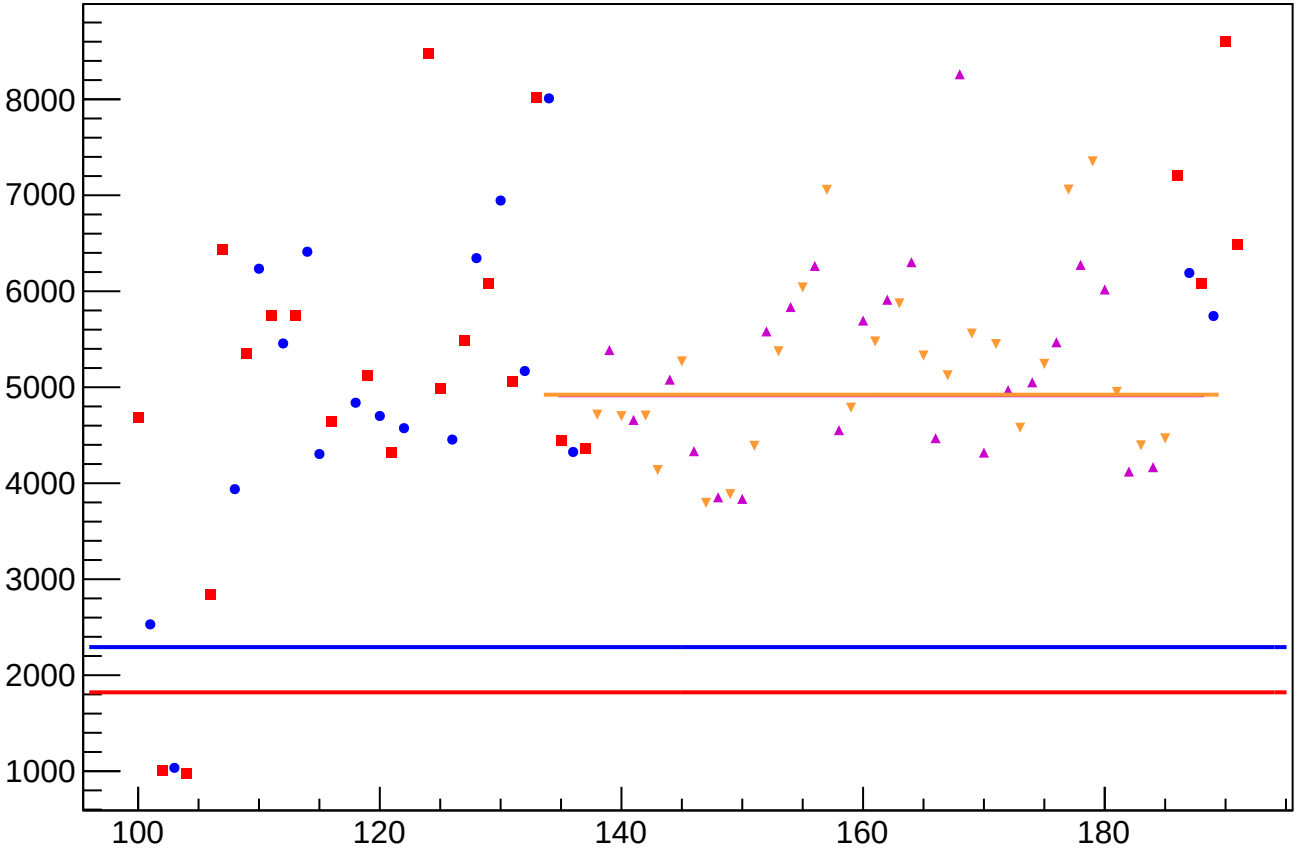
Left In: 306.109+/-1171.021 χ^2/NDF:14.5/22

+ sign -379.781+/-776.574 χ^2/NDF: 41.9/42

All: -15.056+/-508.746 χ^2/NDF: 82.8/88

- sign 259.164+/-673.364 χ^2/NDF: 40.5/45

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

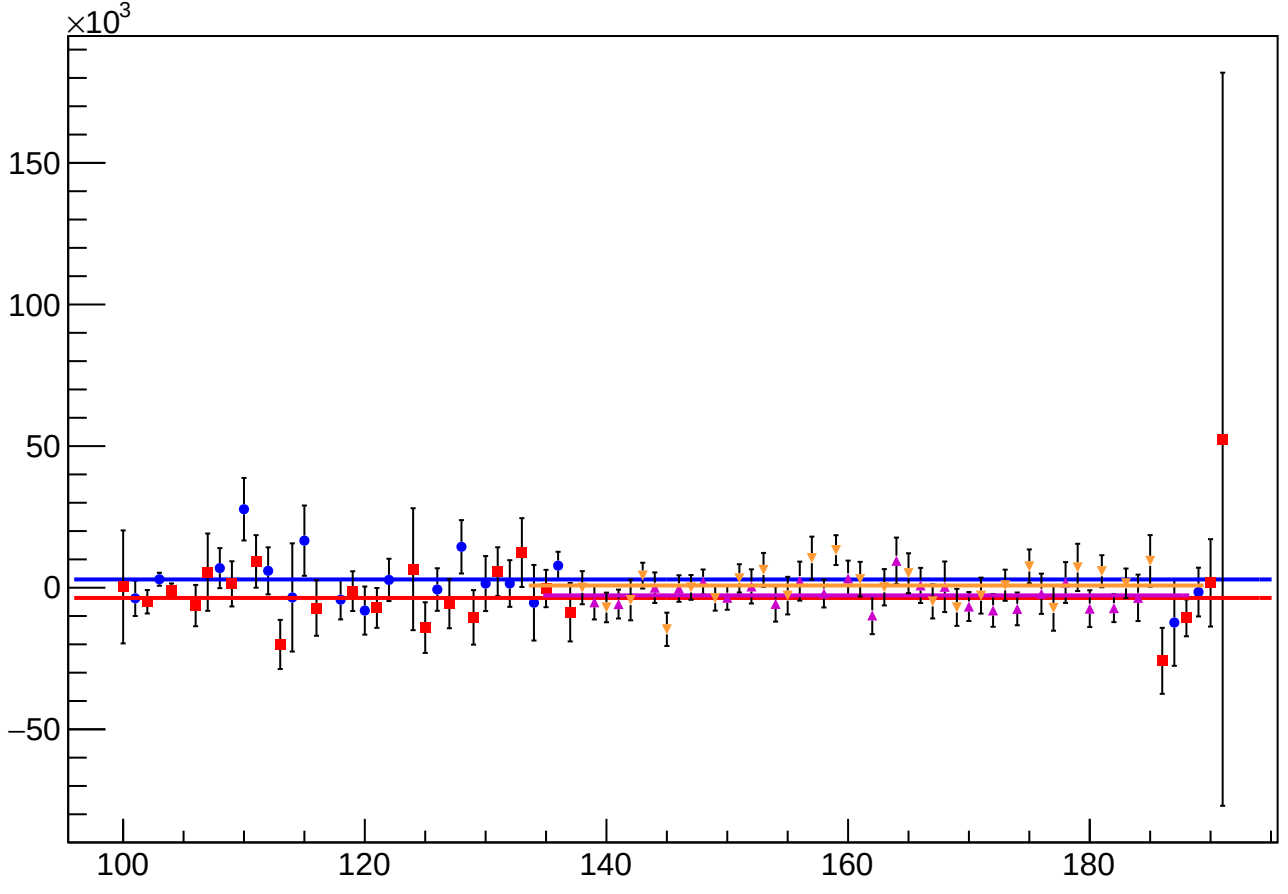
Right Out: 1821.478+/-0.582 χ^2/NDF: 8983614.3/22

Left In: 4916.972+/-0.828 χ^2/NDF:1161645.9/22

+ sign 3510.927+/-0.549 χ^2/NDF: 12783606.9/42

All: 3130.804+/-0.360 χ^2/NDF: 33122686.8/8

- sign 2845.008+/-0.476 χ^2/NDF: 19499600.9/45



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: -3614.290+/-1490.238 χ^2/NDF: 18.7/22

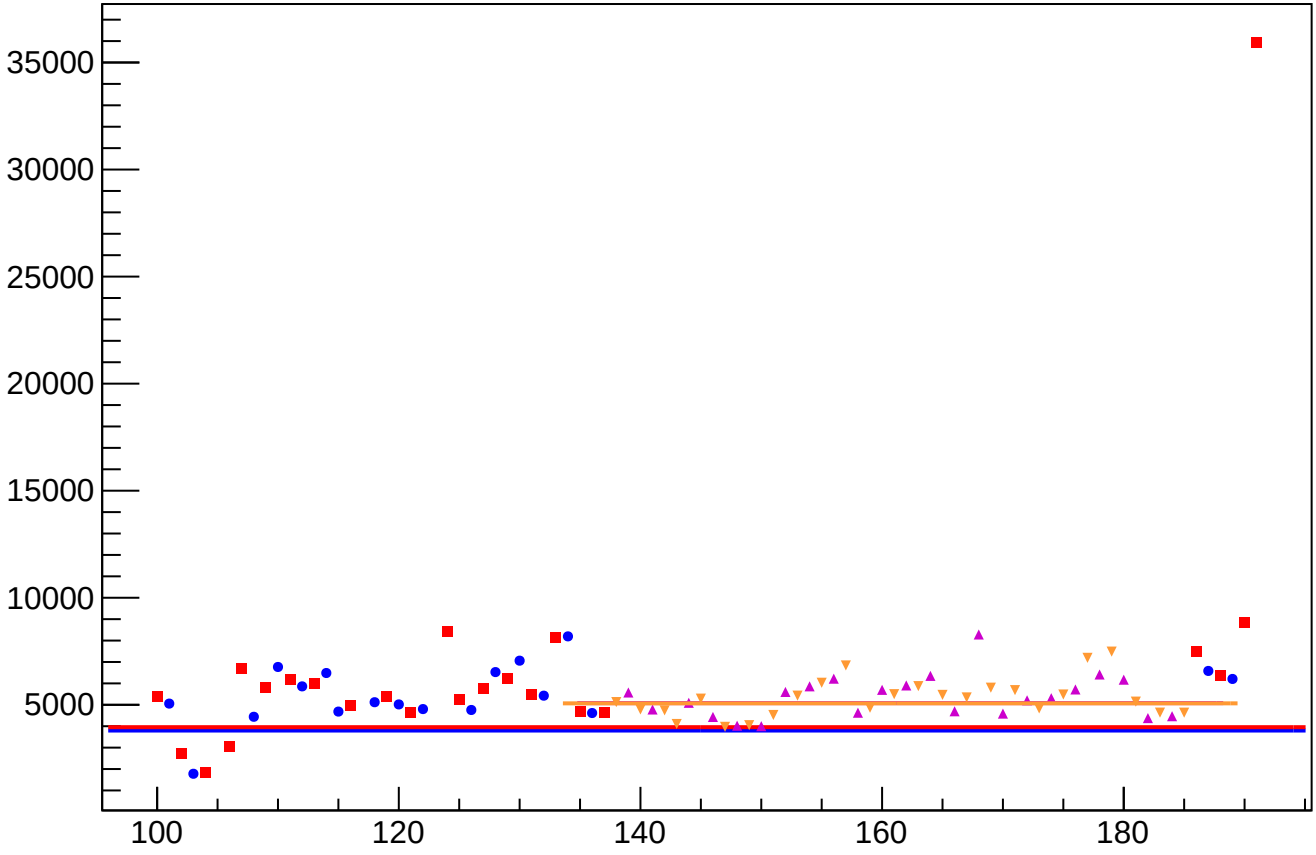
Left In: -2705.532+/-1206.281 χ^2/NDF:11.9/22

+ sign 1590.324+/-925.317 χ^2/NDF: 43.9/42

All: -706.757+/-658.600 χ^2/NDF: 87.3/88

- sign -3065.264+/-937.607 χ^2/NDF: 30.9/45

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: 3954.684+/-1.044 χ^2/NDF: 3524030.1/22

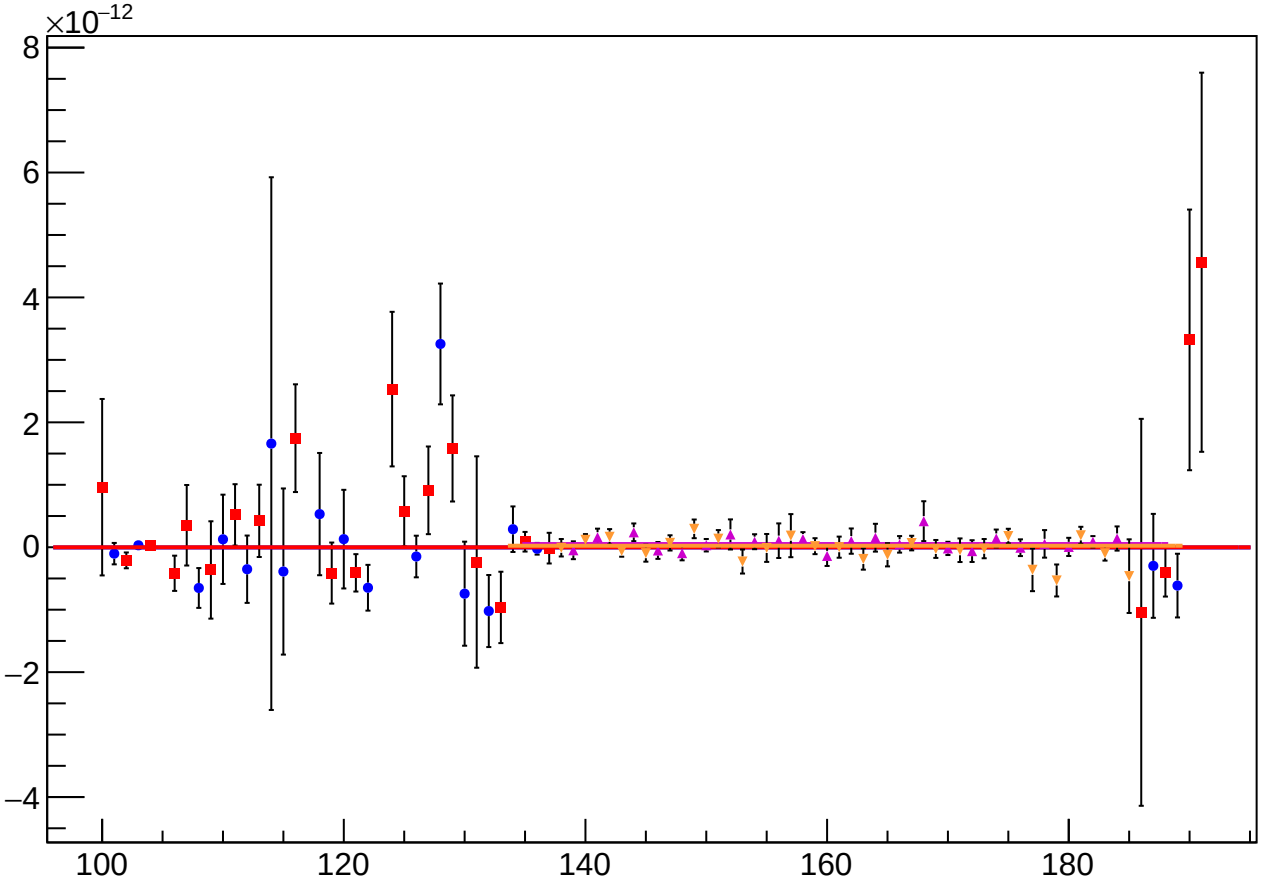
Left In: 5079.715+/-0.853 χ^2/NDF:1001241.5/22

+ sign 4589.733+/-0.654 χ^2/NDF: 4956734.2/42

All: 4609.368+/-0.465 χ^2/NDF: 10180183.0/8

- sign 4629.380+/-0.661 χ^2/NDF: 5221630.4/45

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

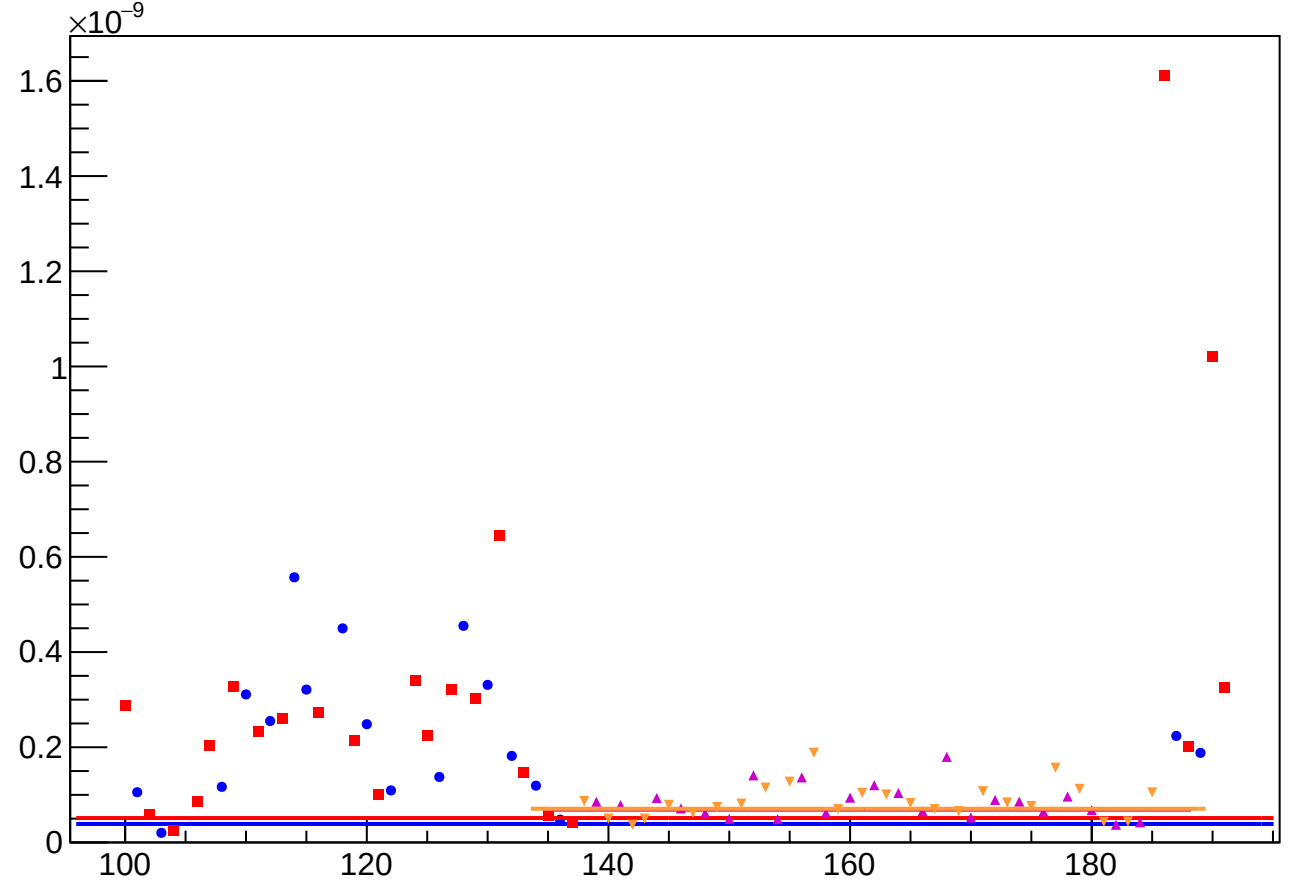
Right Out: -0.000+/-0.000 χ^2/NDF: 34.2/22

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: 97.5/88

- sign 0.000+/-0.000 χ^2/NDF: 46.1/45



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: 4154077.3/22

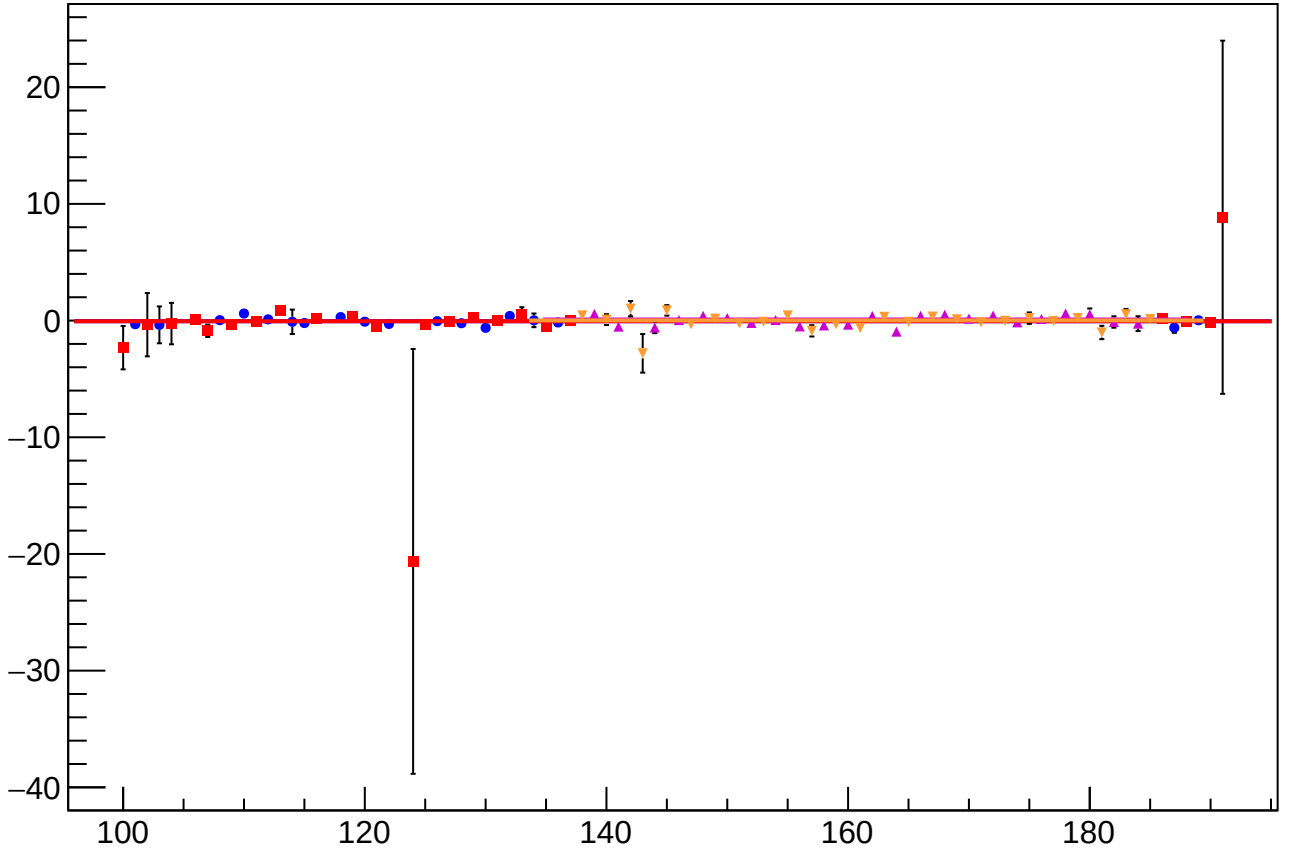
Left In: 0.000+/-0.000 χ^2/NDF:1432116.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 5858334.5/42

All: 0.000+/-0.000 χ^2/NDF: 11709253.0/88

- sign 0.000+/-0.000 χ^2/NDF: 5803103.9/45

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug



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: -0.058+/-0.060 χ^2/NDF: 25.6/22

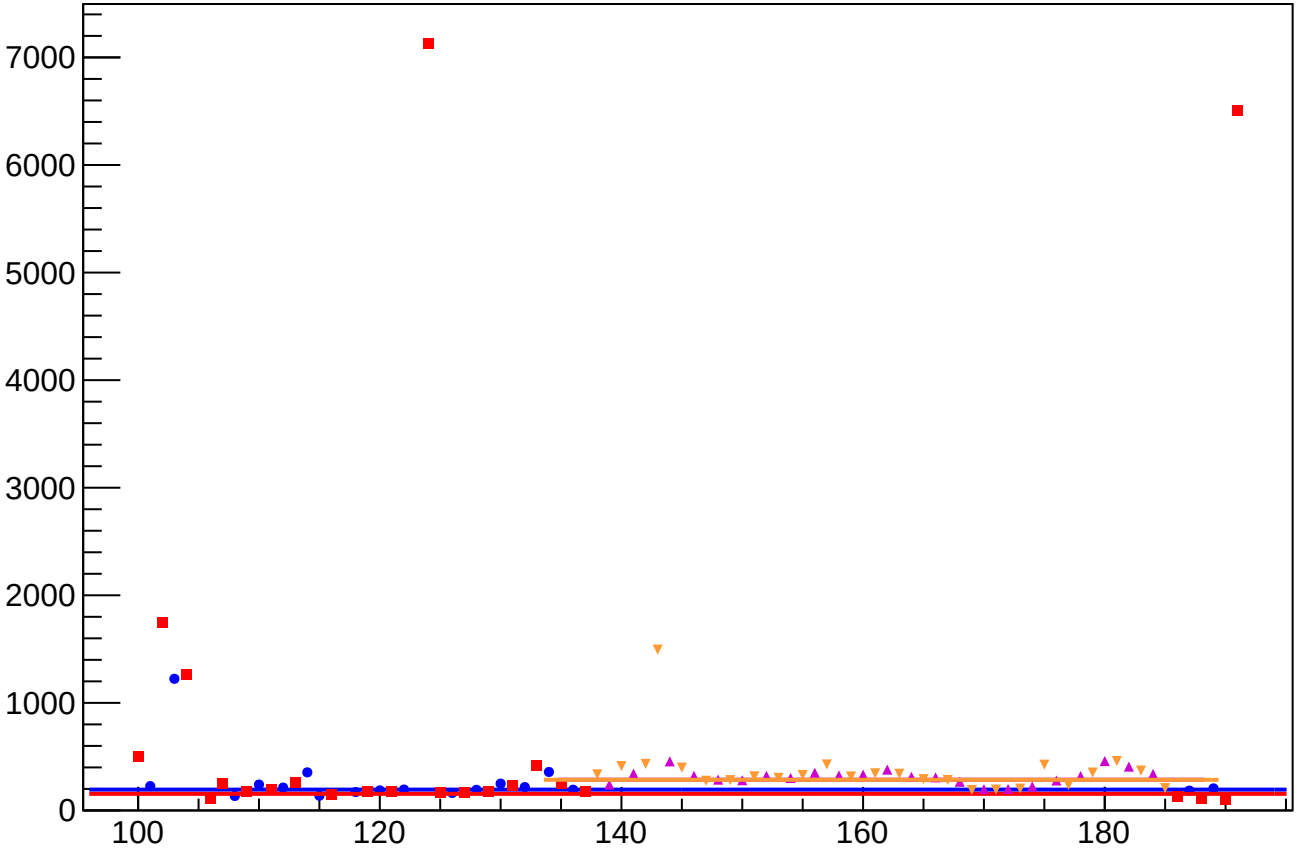
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.017+/-0.051 χ^2/NDF: 42.1/42

All: -0.005+/-0.034 χ^2/NDF: 101.3/88

- sign 0.004+/-0.045 χ^2/NDF: 59.0/45

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: 154.467+/-0.042 χ^2/NDF: 3620116.7/22

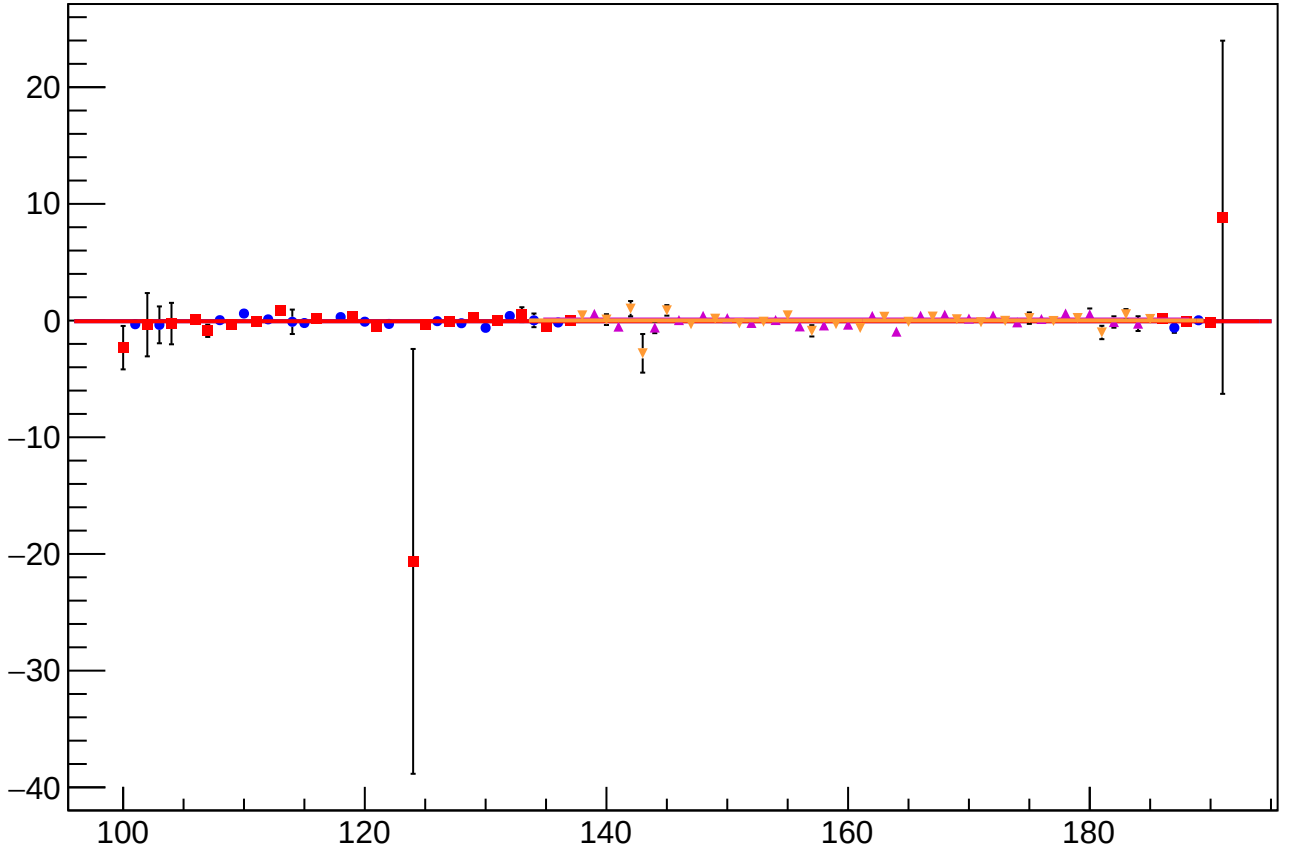
Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

+ sign 242.202+/-0.036 χ^2/NDF: 6424569.2/42

All: 223.890+/-0.024 χ^2/NDF: 16315176.3/88

- sign 209.266+/-0.032 χ^2/NDF: 9424745.5/45

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs Slug



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: -0.058+/-0.060 χ^2/NDF: 25.6/22

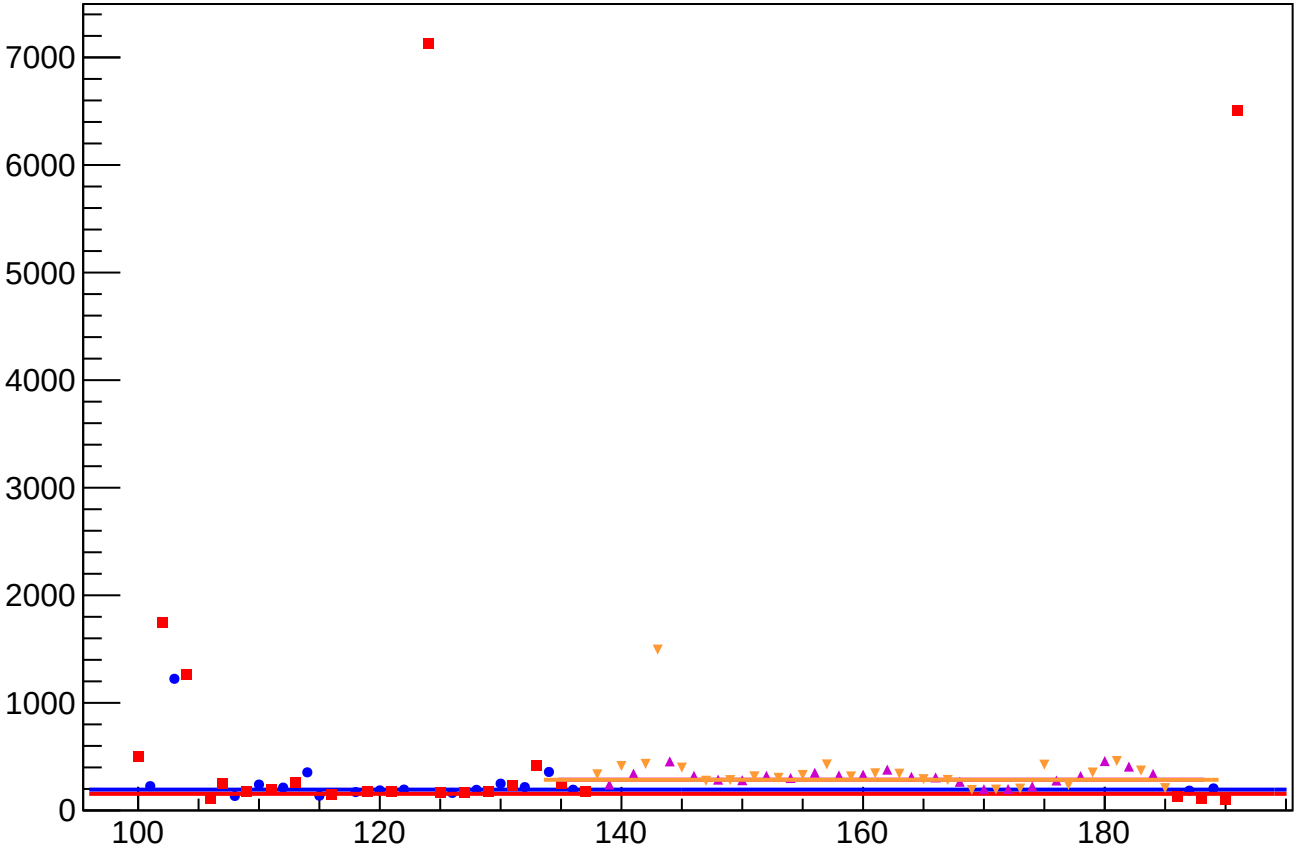
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.017+/-0.051 χ^2/NDF: 42.1/42

All: -0.005+/-0.034 χ^2/NDF: 101.3/88

- sign 0.004+/-0.045 χ^2/NDF: 59.0/45

asym_atl1r2_avg_dit_vs_eigen_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

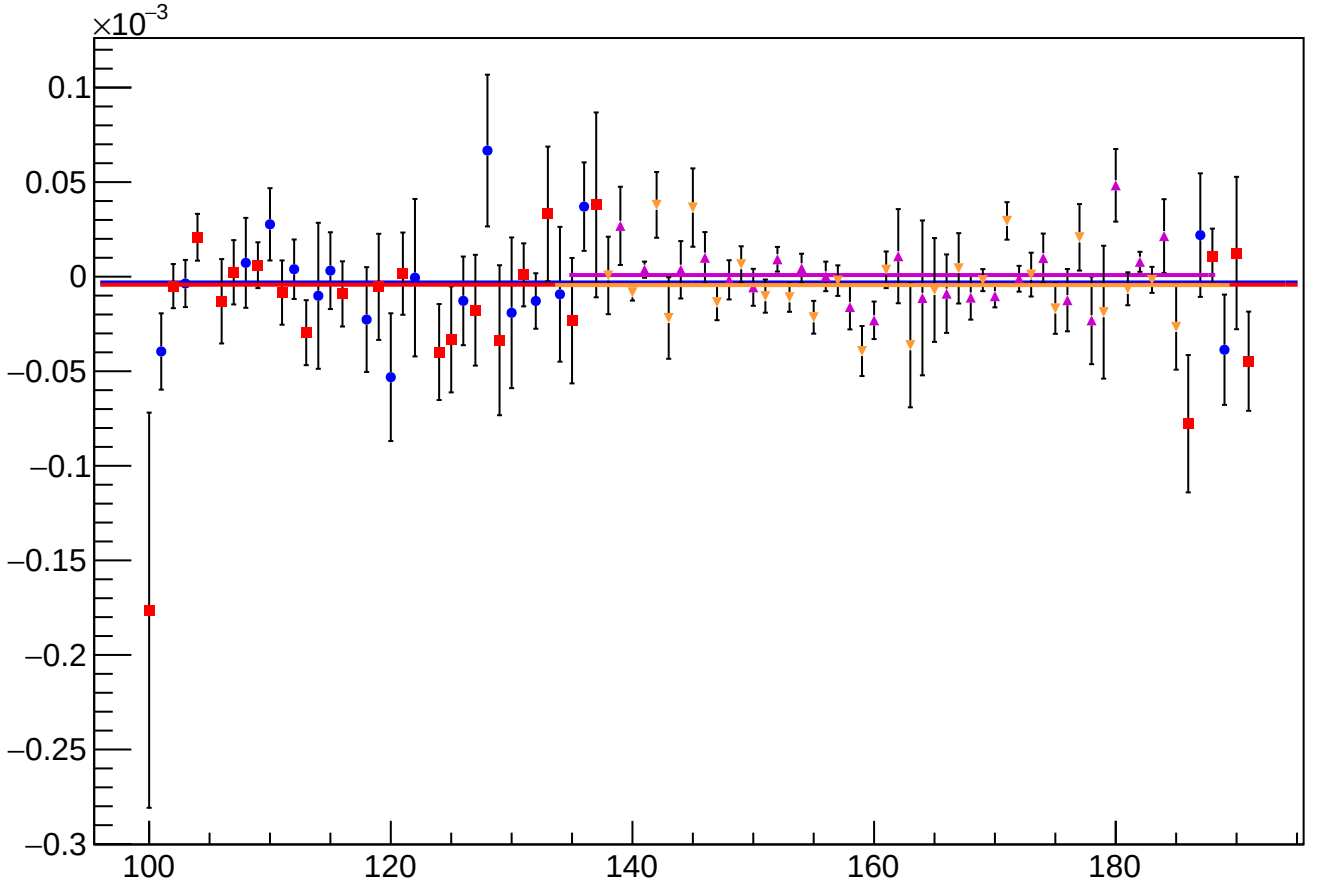
Right Out: 154.467+/-0.042 χ^2/NDF: 3620116.7/22

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

+ sign 242.202+/-0.036 χ^2/NDF: 6424569.2/42

All: 223.890+/-0.024 χ^2/NDF: 16315176.3/88

- sign 209.266+/-0.032 χ^2/NDF: 9424745.5/45



Right In: -0.000+/-0.000 χ^2/NDF: 17.9/17

Left Out: -0.000+/-0.000 χ^2/NDF:43.9/24

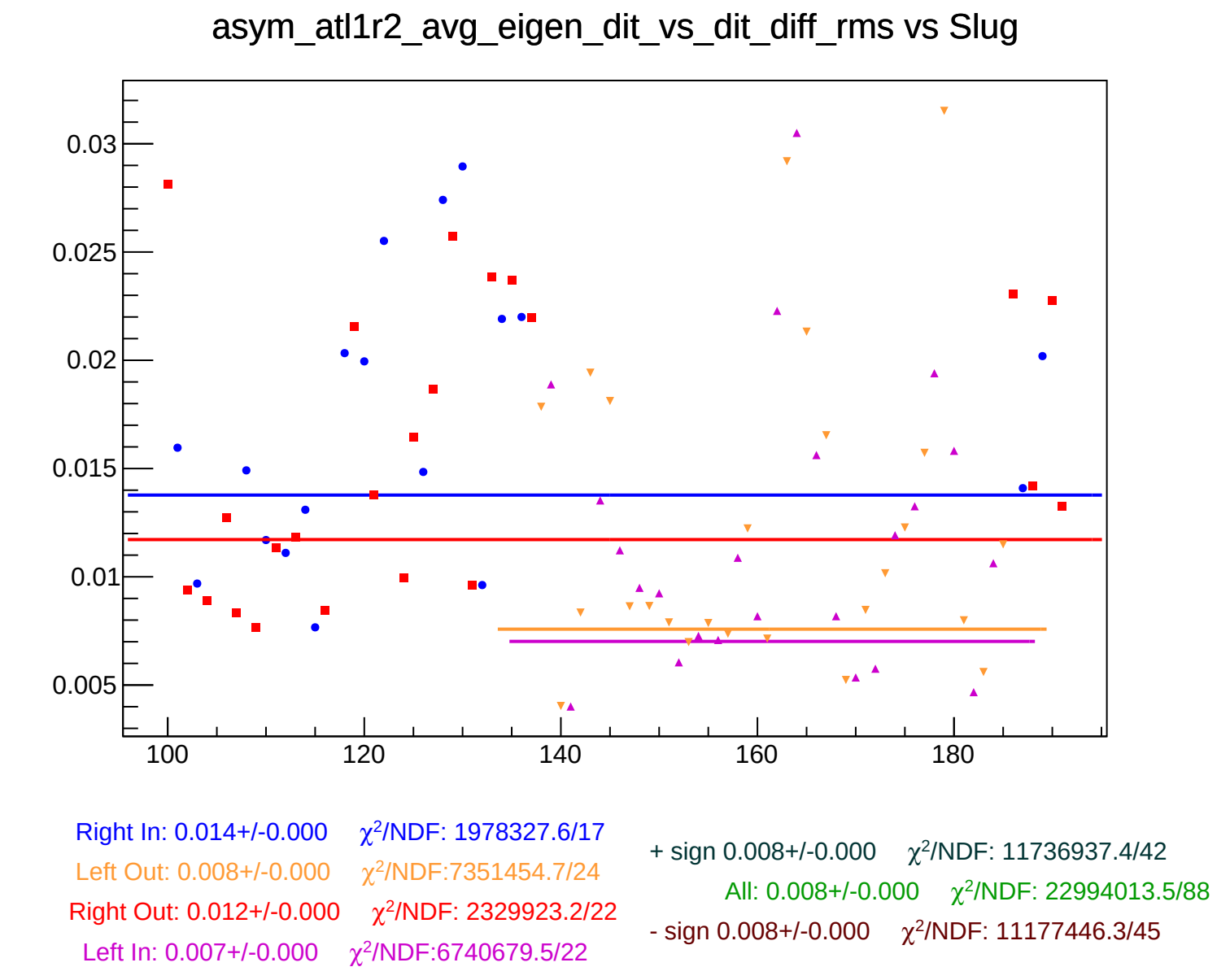
Right Out: -0.000+/-0.000 χ^2/NDF: 24.0/22

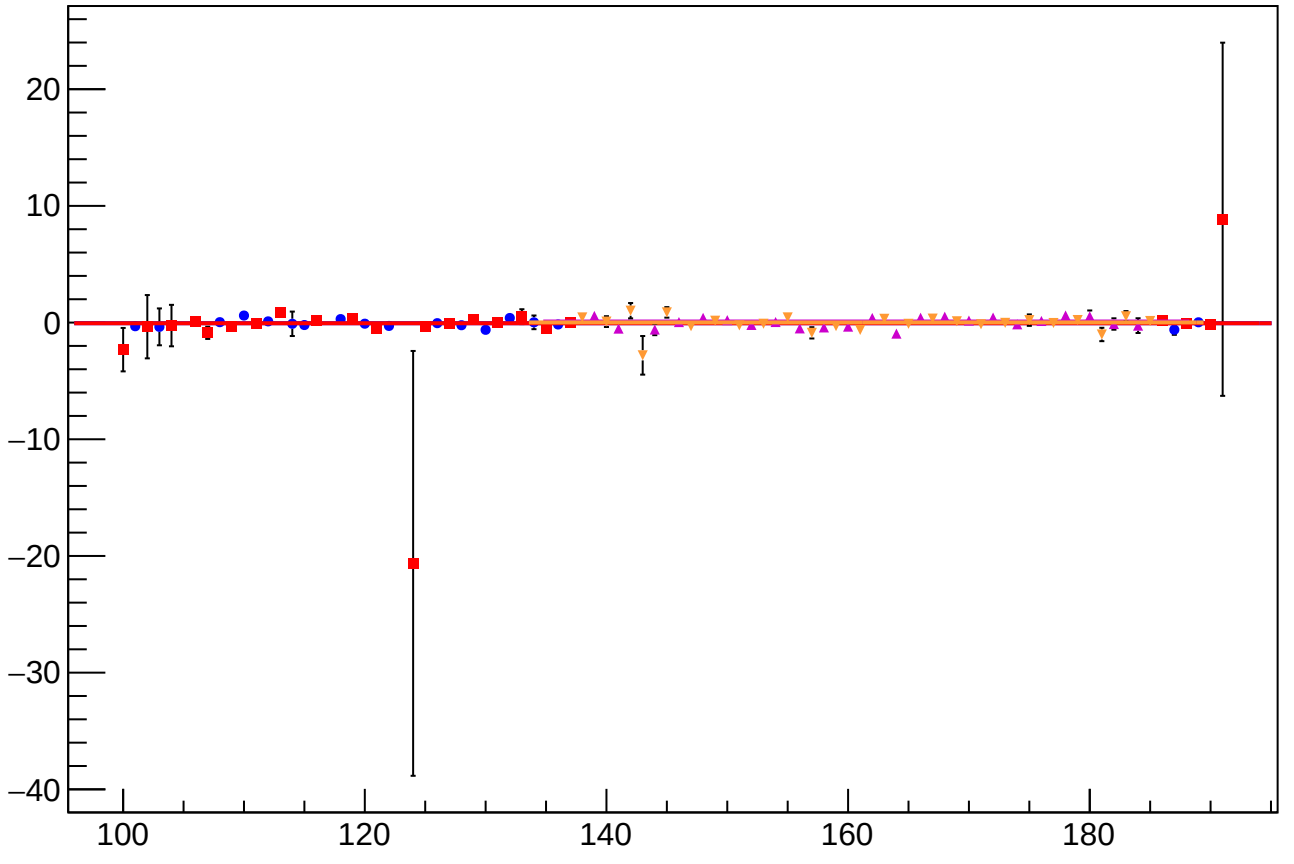
Left In: 0.000+/-0.000 χ^2/NDF:29.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 61.9/42

All: -0.000+/-0.000 χ^2/NDF: 119.0/88

- sign -0.000+/-0.000 χ^2/NDF: 54.2/45


asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
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: 2329923.2/22
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: 22994013.5/88
- sign 0.008+/-0.000 χ²/NDF: 11177446.3/45



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: -0.058+/-0.060 χ^2/NDF: 25.6/22

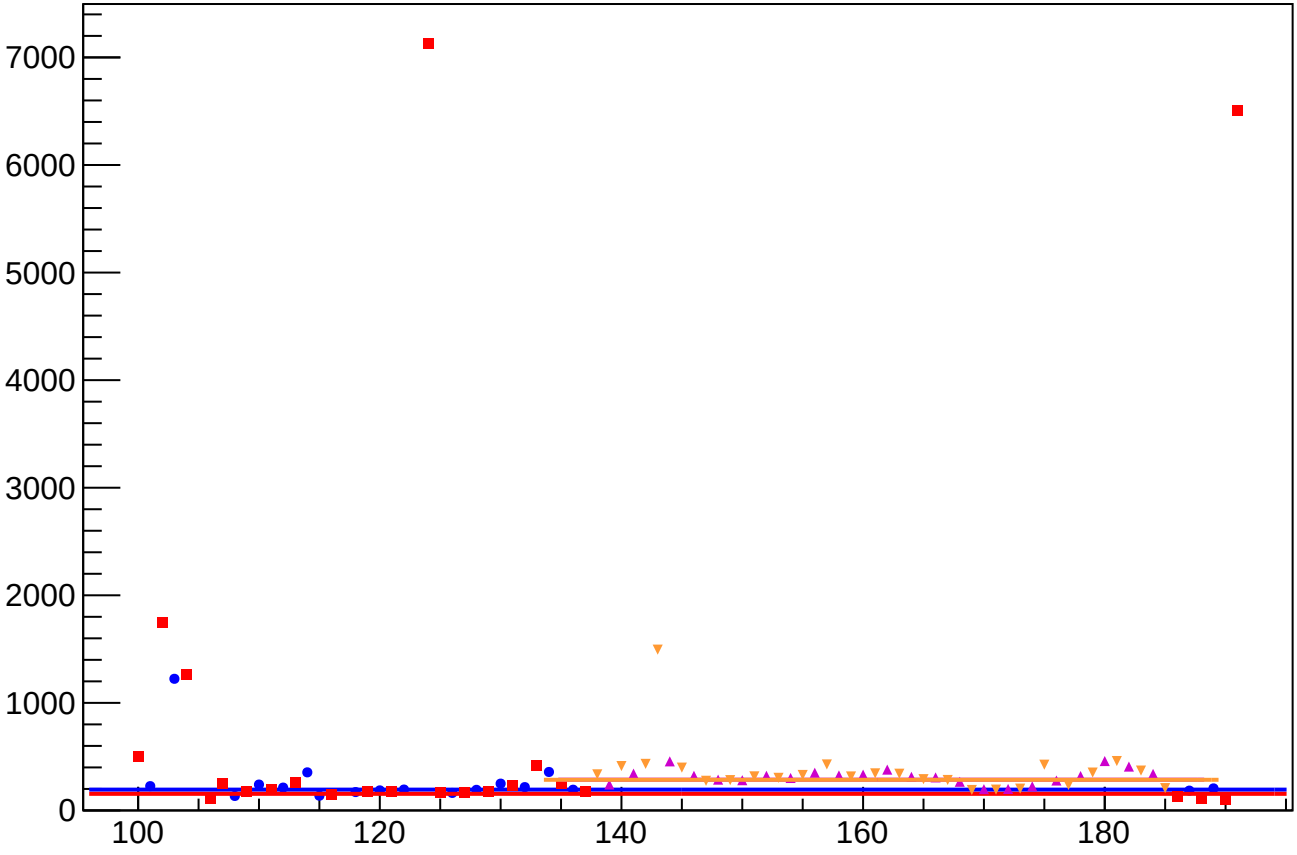
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.017+/-0.051 χ^2/NDF: 42.1/42

All: -0.005+/-0.034 χ^2/NDF: 101.3/88

- sign 0.004+/-0.045 χ^2/NDF: 59.0/45

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

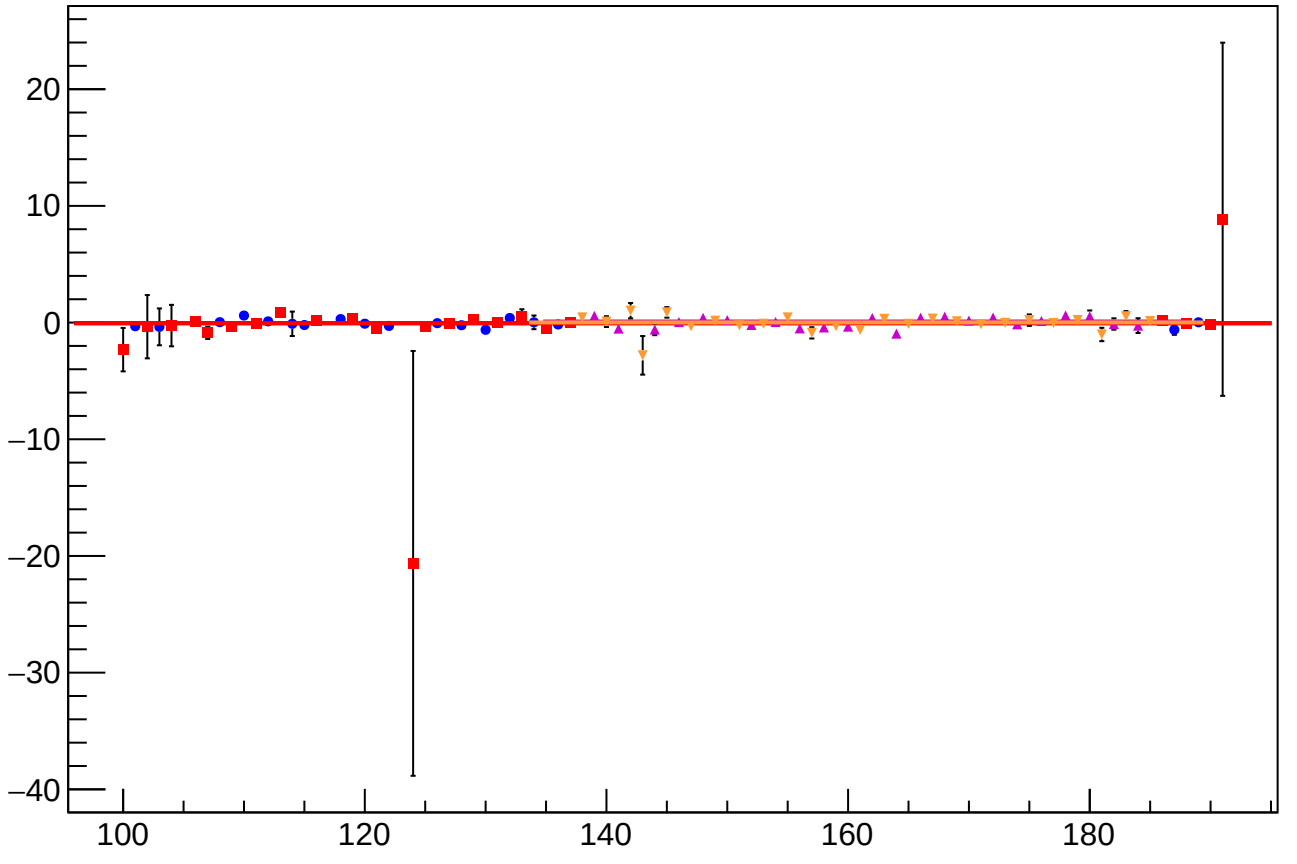
Right Out: 154.464+/-0.042 χ^2/NDF: 3620188.5/22

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 242.203+/-0.036 χ^2/NDF: 6424739.7/42

All: 223.889+/-0.024 χ^2/NDF: 16315854.2/88

- sign 209.264+/-0.032 χ^2/NDF: 9425190.2/45



Right In: -0.054+/-0.074 χ^2/NDF: 13.4/17

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

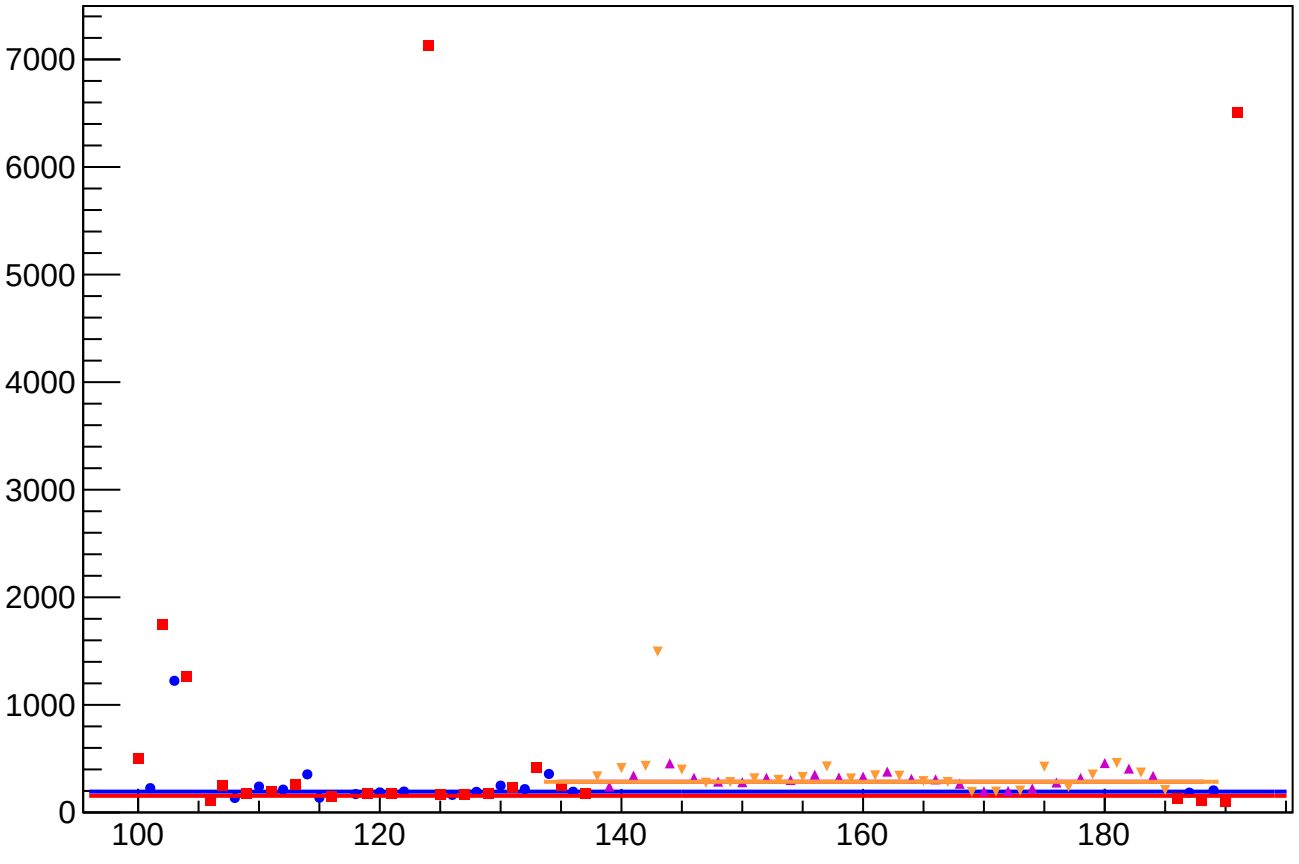
Right Out: -0.058+/-0.060 χ^2/NDF: 25.6/22

Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.017+/-0.051 χ^2/NDF: 42.1/42

All: -0.005+/-0.034 χ^2/NDF: 101.3/88

- sign 0.004+/-0.045 χ^2/NDF: 59.0/45



Right In: 193.672+/-0.053 χ^2/NDF: 1412035.0/17

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

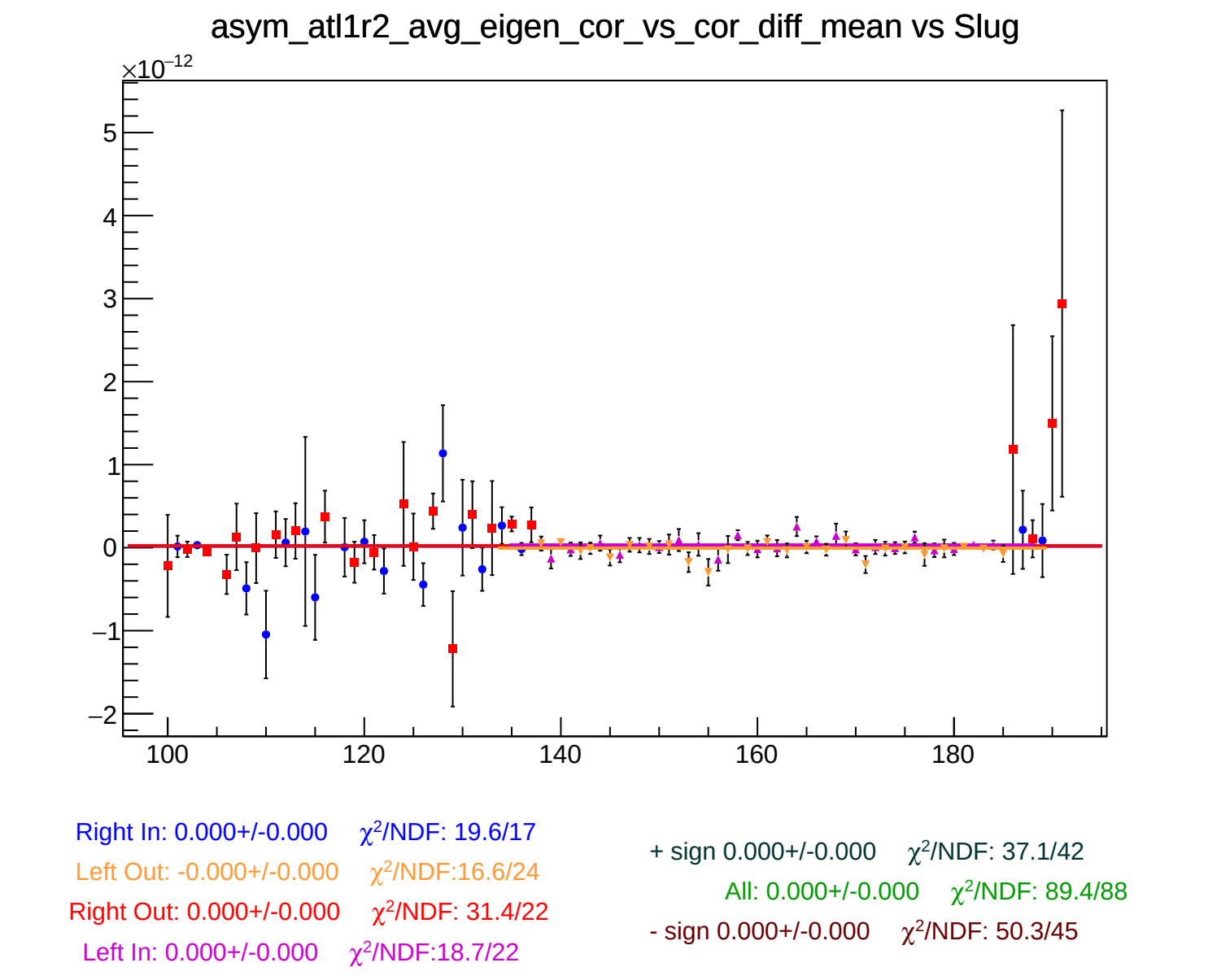
Right Out: 154.464+/-0.042 χ^2/NDF: 3620188.5/22

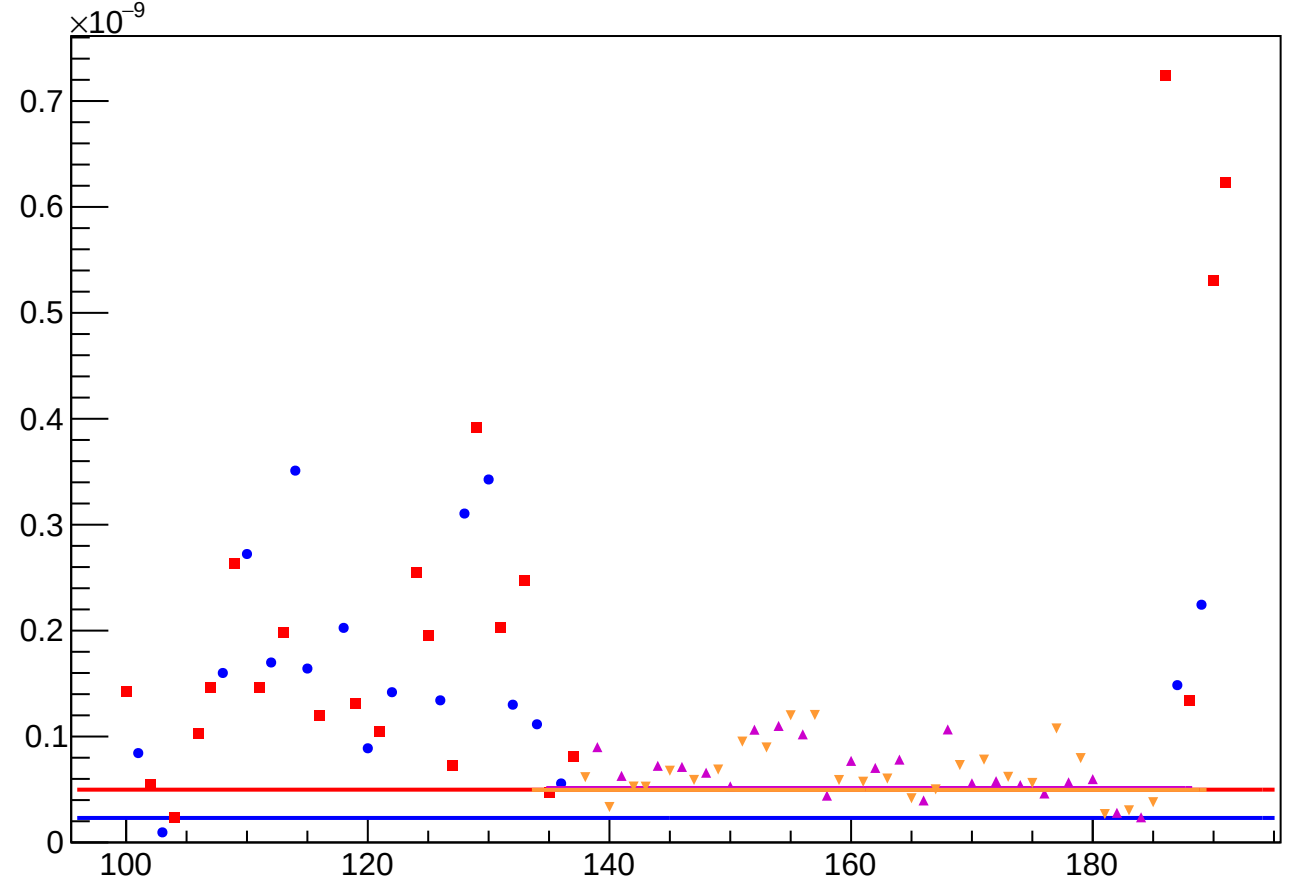
Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 242.203+/-0.036 χ^2/NDF: 6424739.7/42

All: 223.889+/-0.024 χ^2/NDF: 16315854.2/88

- sign 209.264+/-0.032 χ^2/NDF: 9425190.2/45


asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
5
4
3
2
1
0
−1
−2
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 19.6/17
Left Out: -0.000+/-0.000 χ²/NDF:16.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 31.4/22
Left In: 0.000+/-0.000 χ²/NDF:18.7/22
+ sign 0.000+/-0.000 χ²/NDF: 37.1/42
All: 0.000+/-0.000 χ²/NDF: 89.4/88
- sign 0.000+/-0.000 χ²/NDF: 50.3/45



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: 5473708.6/22

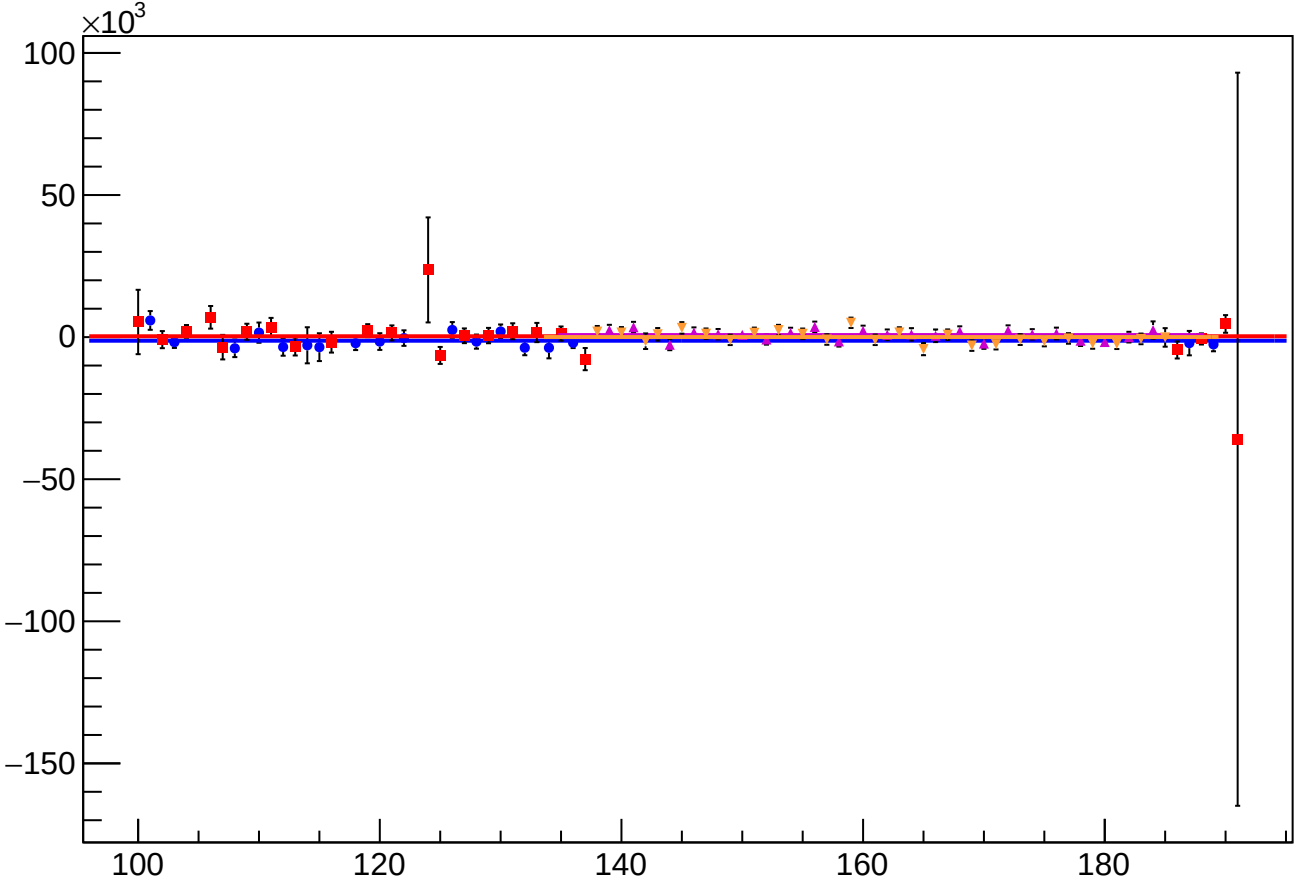
Left In: 0.000+/-0.000 χ^2/NDF:3659712.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 13016161.8/42

All: 0.000+/-0.000 χ^2/NDF: 22820400.3/88

- sign 0.000+/-0.000 χ^2/NDF: 9137562.8/45

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: 301.049+/-634.748 χ^2/NDF: 24.9/22

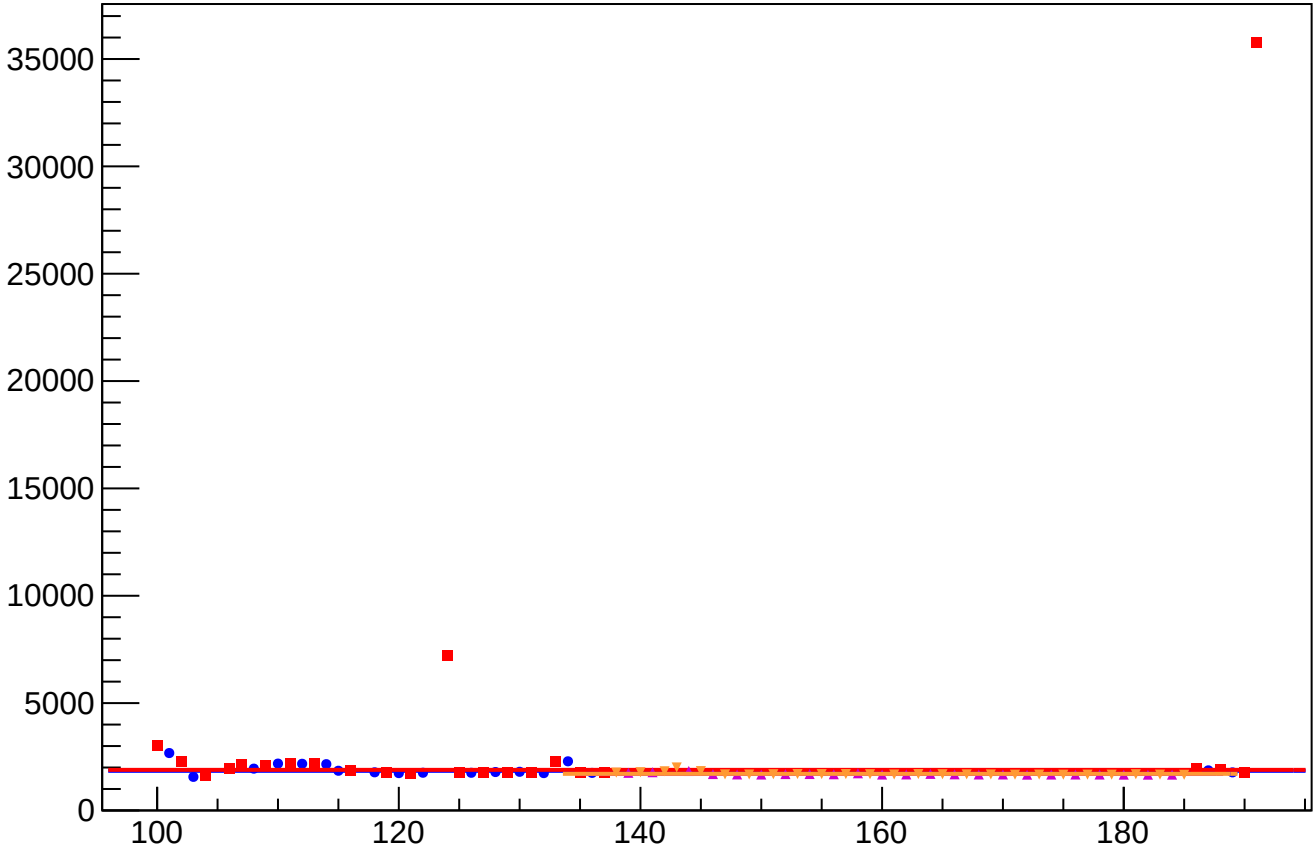
Left In: 719.504+/-396.449 χ^2/NDF:19.1/22

\+ sign -306.889+/-334.224 χ^2/NDF: 44.9/42

All: 144.843+/-237.046 χ^2/NDF: 92.8/88

\- sign 602.075+/-336.252 χ^2/NDF: 44.3/45

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: 1890.824+/-0.448 χ^2/NDF: 508211.8/22

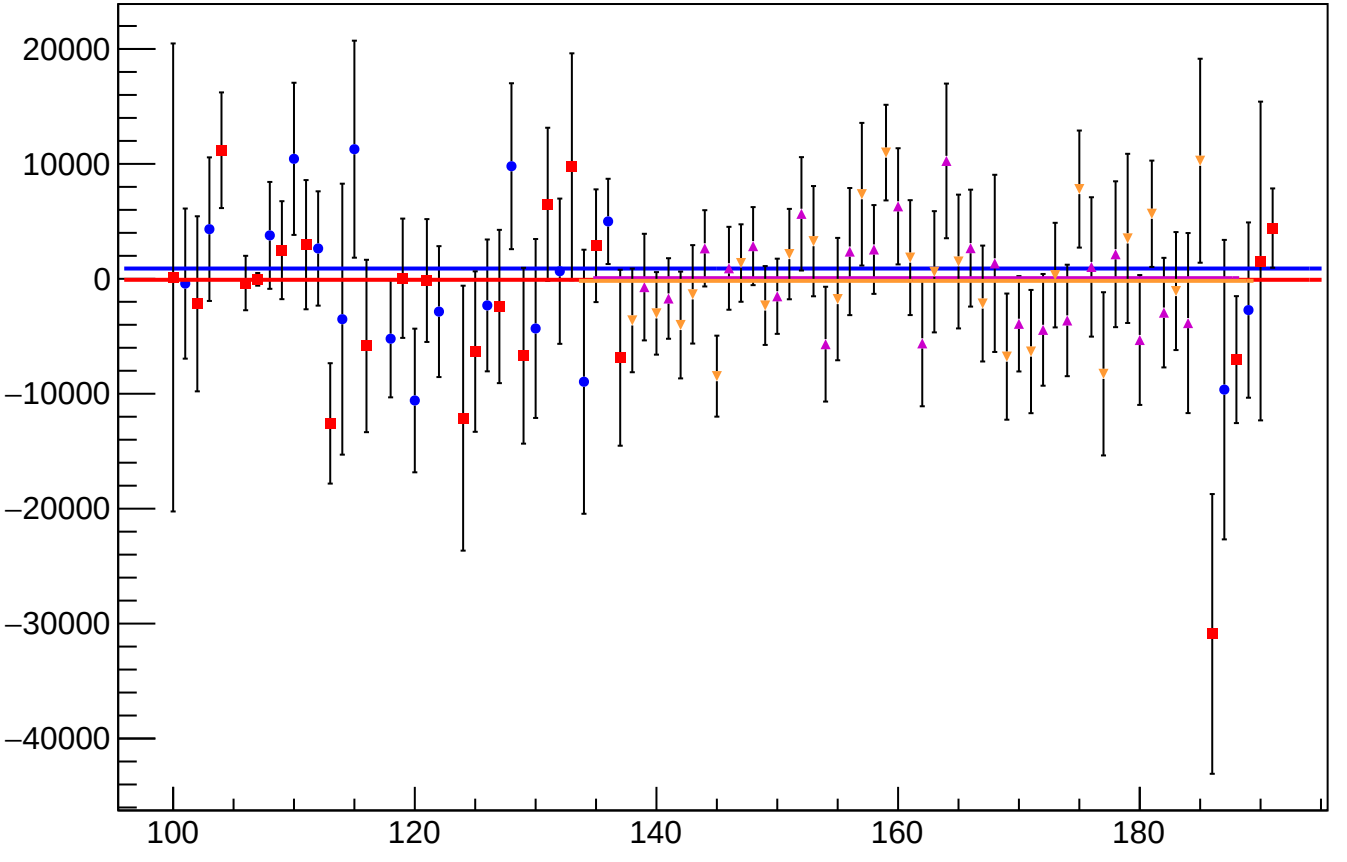
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1741.665+/-0.236 χ^2/NDF: 389035.9/42

All: 1746.758+/-0.168 χ^2/NDF: 1053130.4/88

- sign 1751.908+/-0.238 χ^2/NDF: 663160.4/45

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: -85.329+/-497.572 χ^2/NDF: 27.6/22

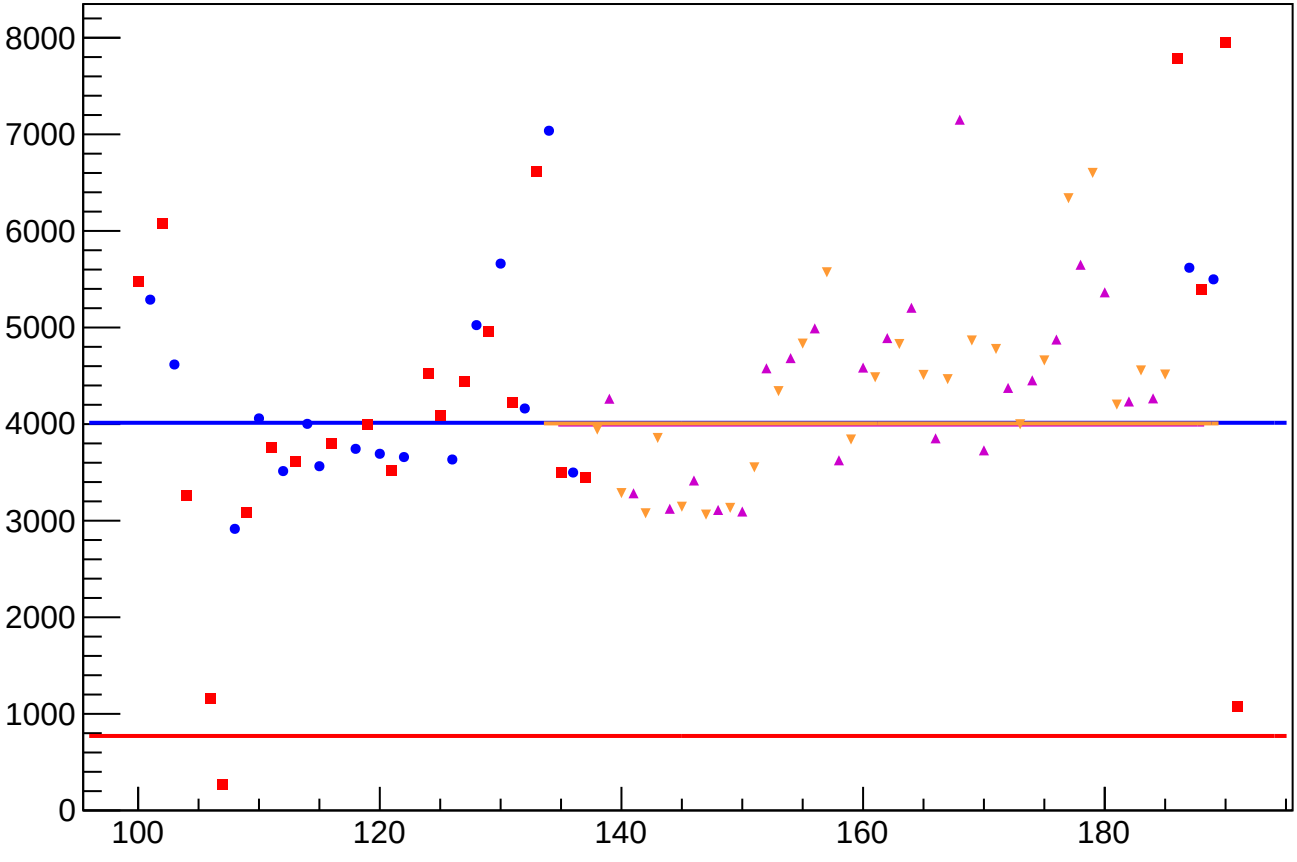
Left In: 56.448+/-956.389 χ^2/NDF:14.3/22

+ sign 134.410+/-788.161 χ^2/NDF: 43.0/42

All: -9.874+/-385.123 χ^2/NDF: 84.9/88

- sign -55.129+/-441.407 χ^2/NDF: 41.9/45

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: 771.269+/-0.352 χ^2/NDF: 13268629.6/22

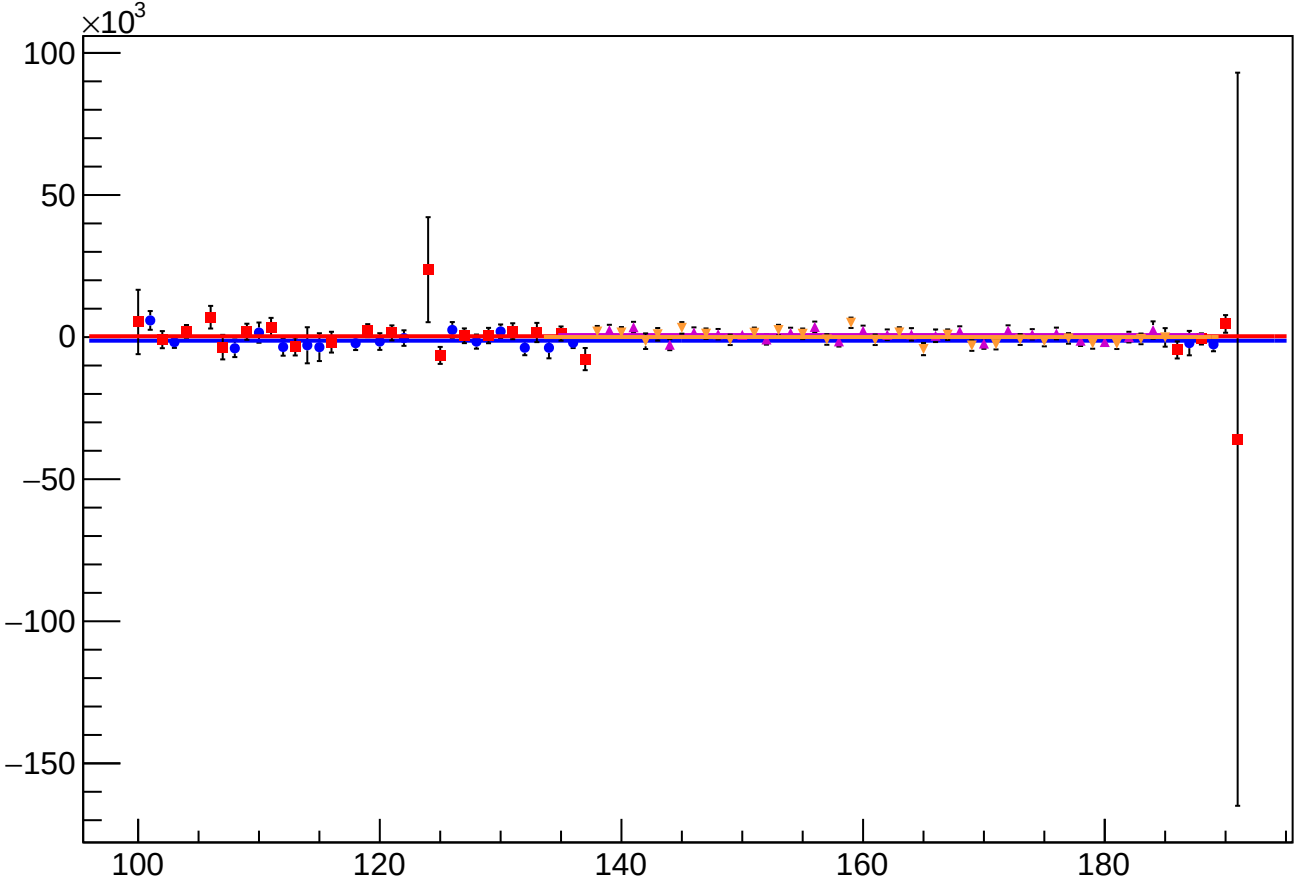
Left In: 3994.974+/-0.676 χ^2/NDF:1538115.4/22

+ sign 4008.928+/-0.557 χ^2/NDF: 2175541.1/42

All: 2067.043+/-0.272 χ^2/NDF: 50813973.5/8

- sign 1457.966+/-0.312 χ^2/NDF: 32689659.6/45

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: 301.334+/-634.749 χ^2/NDF: 24.9/22

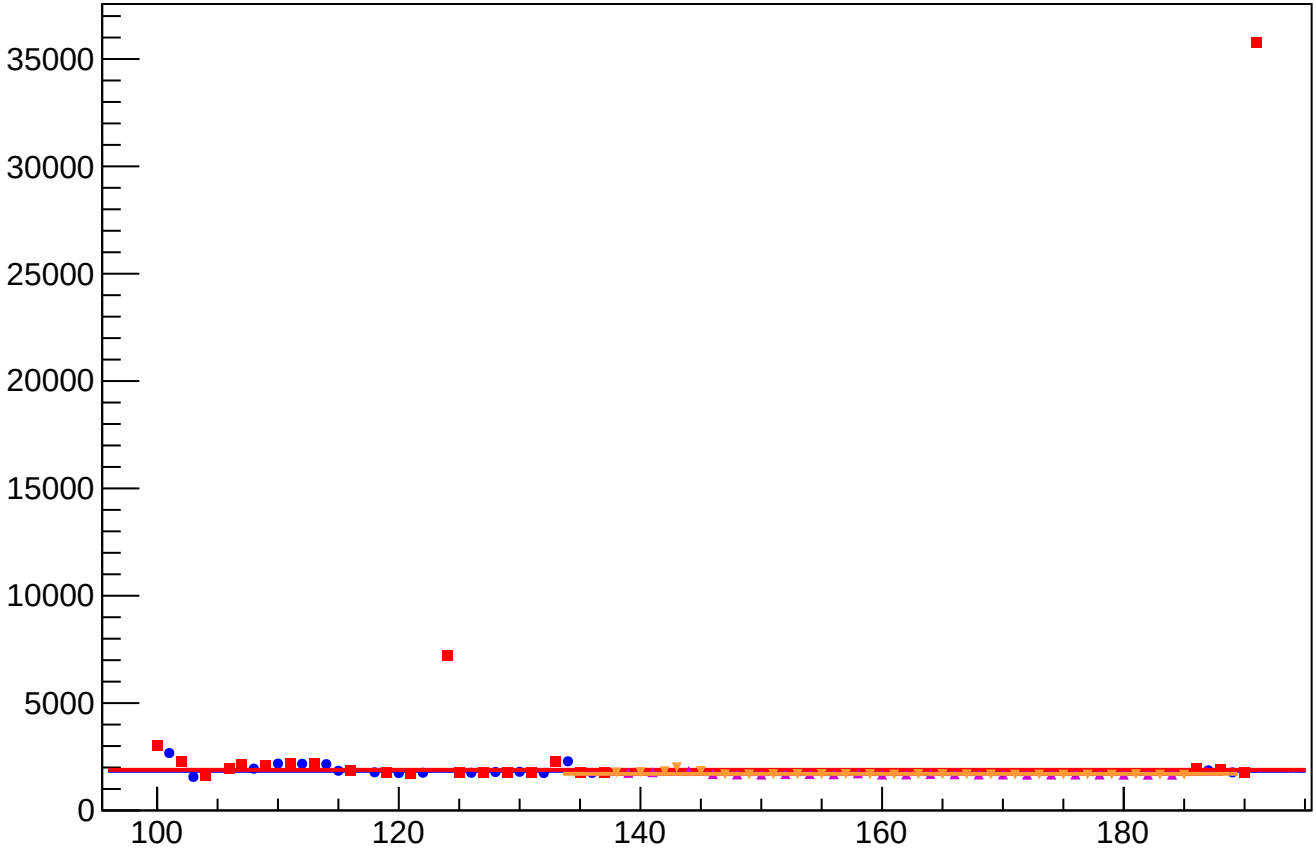
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

+ sign -306.741+/-334.224 χ^2/NDF: 44.9/42

All: 144.913+/-237.046 χ^2/NDF: 92.9/88

- sign 602.066+/-336.252 χ^2/NDF: 44.3/45

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

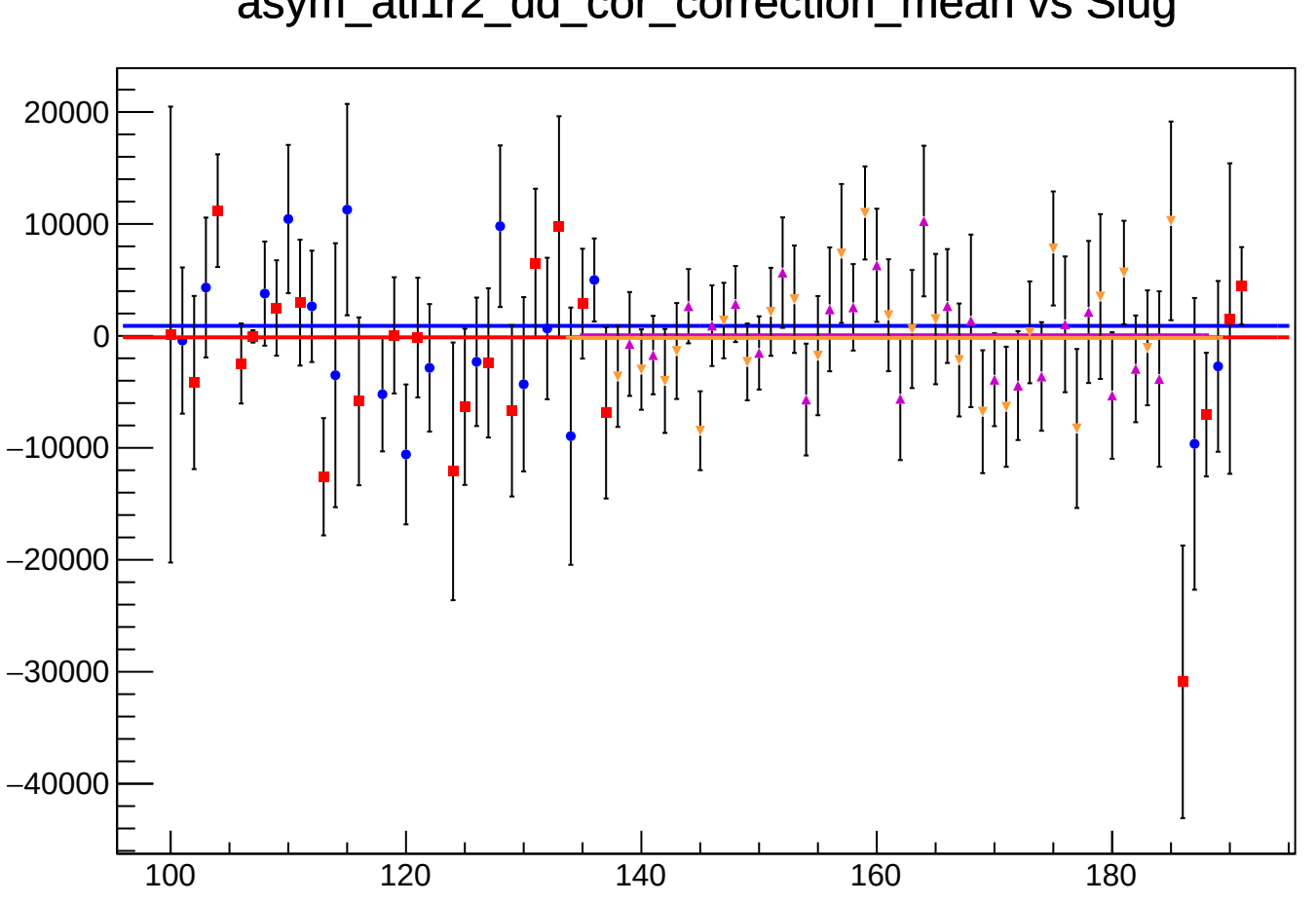
Right Out: 1891.196+/-0.448 χ^2/NDF: 508426.9/22

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1741.665+/-0.236 χ^2/NDF: 389035.4/42

All: 1746.803+/-0.168 χ^2/NDF: 1053840.4/88

- sign 1751.998+/-0.238 χ^2/NDF: 663854.5/45



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: -126.873+/-503.884 χ^2/NDF: 28.3/22

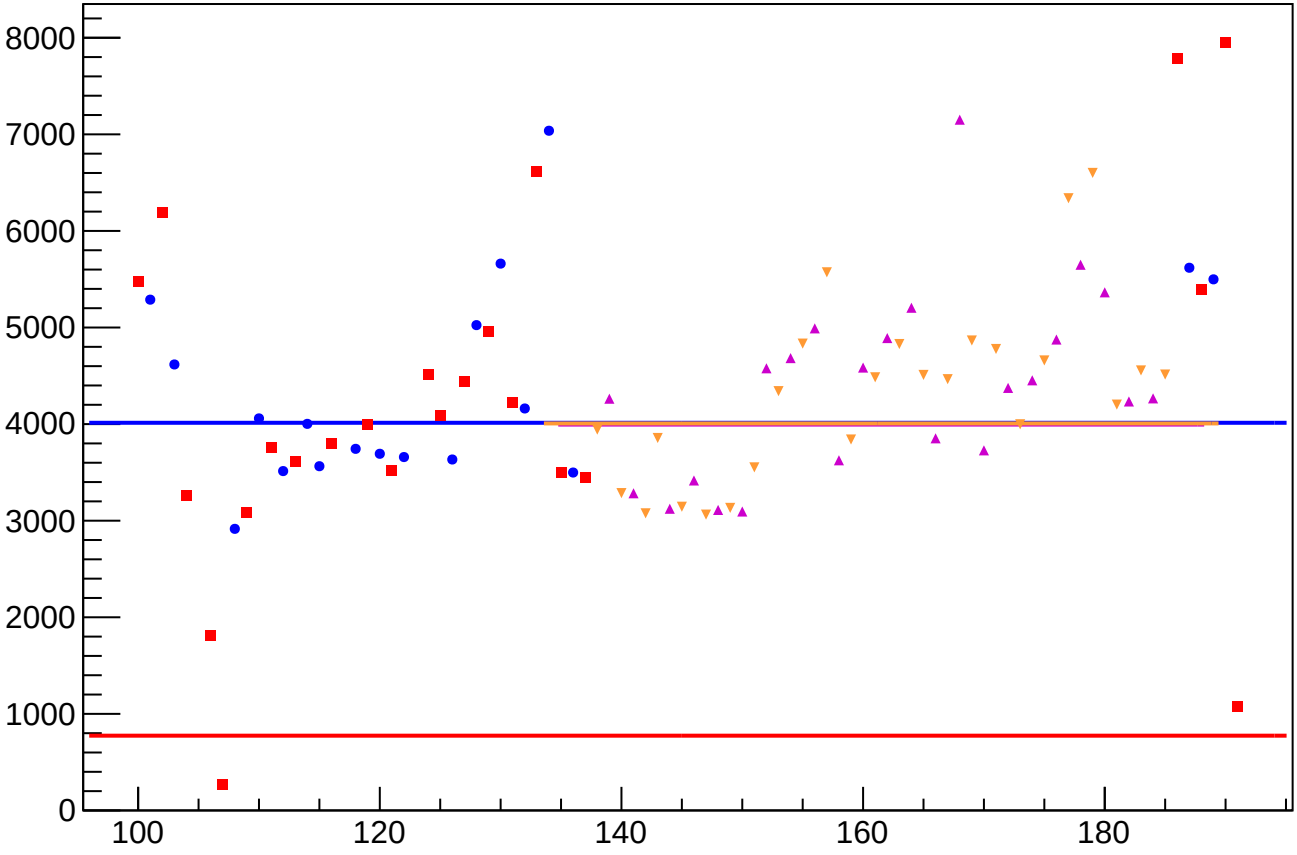
Left In: 56.377+/-956.388 χ^2/NDF:14.3/22

+ sign 134.419+/-788.161 χ^2/NDF: 43.0/42

All: -33.376+/-388.027 χ^2/NDF: 85.6/88

- sign -87.058+/-445.796 χ^2/NDF: 42.6/45

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: 774.215+/-0.356 χ^2/NDF: 13395330.8/22

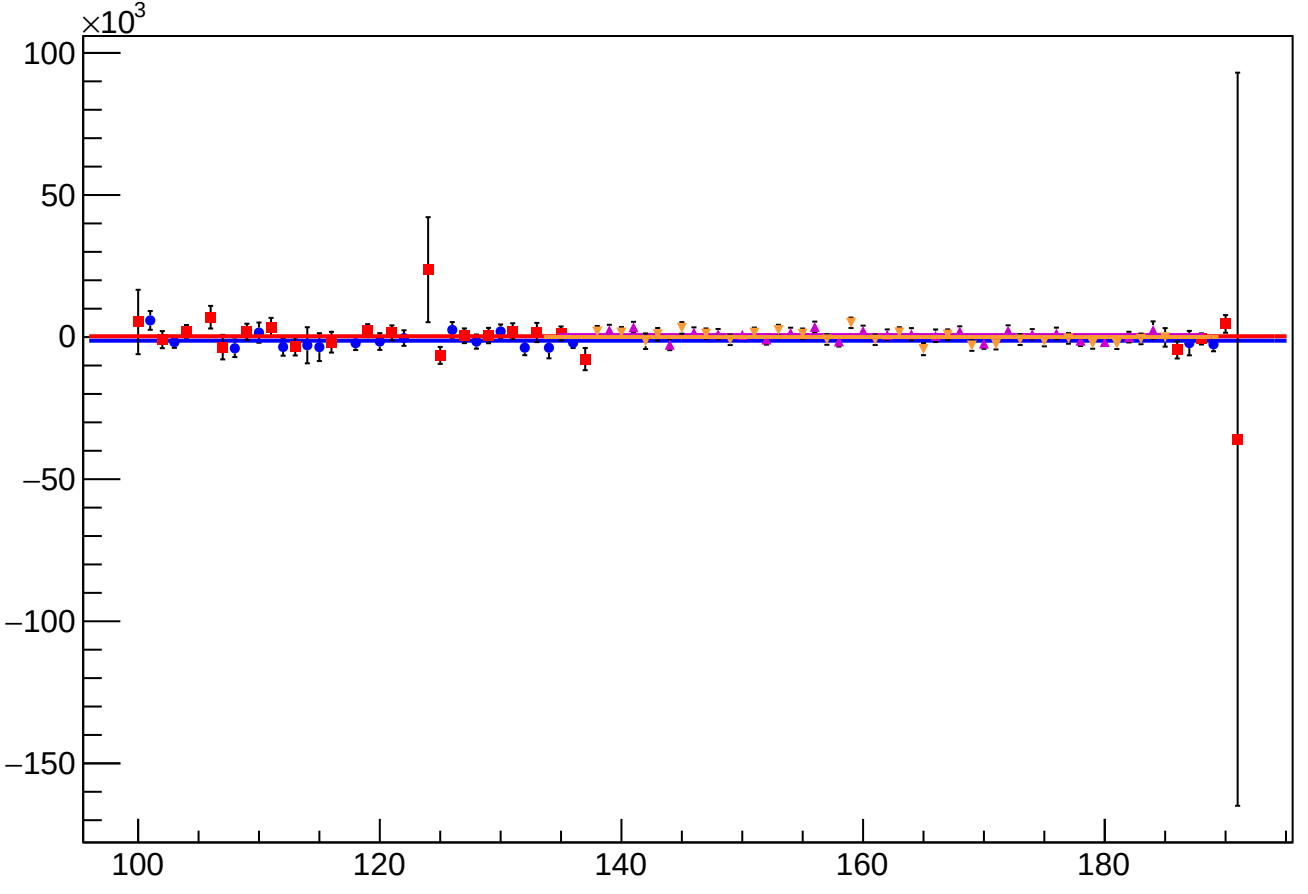
Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

+ sign 4008.925+/-0.557 χ^2/NDF: 2175587.8/42

All: 2088.408+/-0.274 χ^2/NDF: 50536849.9/8

- sign 1473.996+/-0.315 χ^2/NDF: 32687116.5/45

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: 301.334+/-634.749 χ^2/NDF: 24.9/22

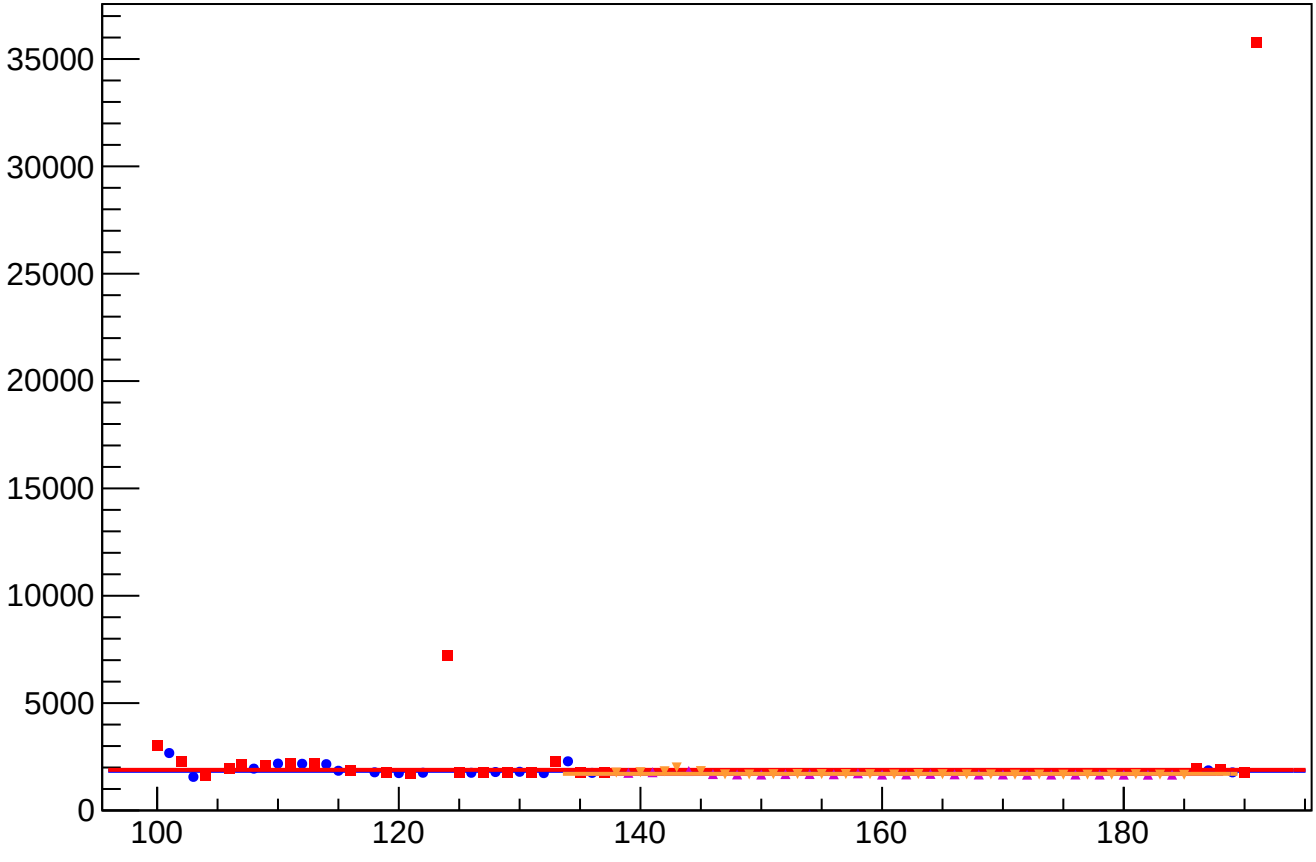
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

+ sign -306.741+/-334.224 χ^2/NDF: 44.9/42

All: 144.913+/-237.046 χ^2/NDF: 92.9/88

- sign 602.066+/-336.252 χ^2/NDF: 44.3/45

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

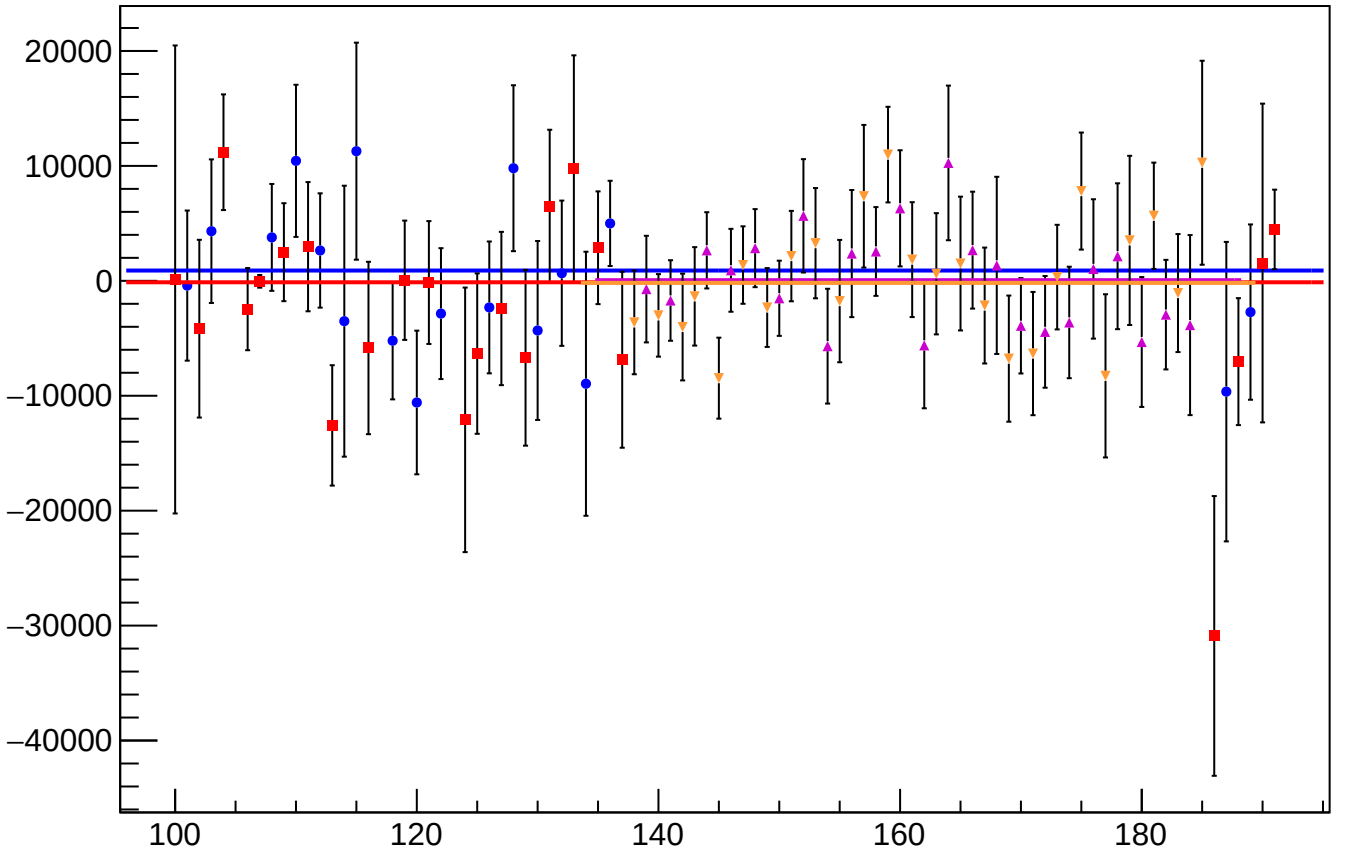
Right Out: 1891.196+/-0.448 χ^2/NDF: 508426.9/22

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1741.665+/-0.236 χ^2/NDF: 389035.4/42

All: 1746.803+/-0.168 χ^2/NDF: 1053840.4/88

- sign 1751.998+/-0.238 χ^2/NDF: 663854.5/45



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: -126.873+/-503.884 χ^2/NDF: 28.3/22

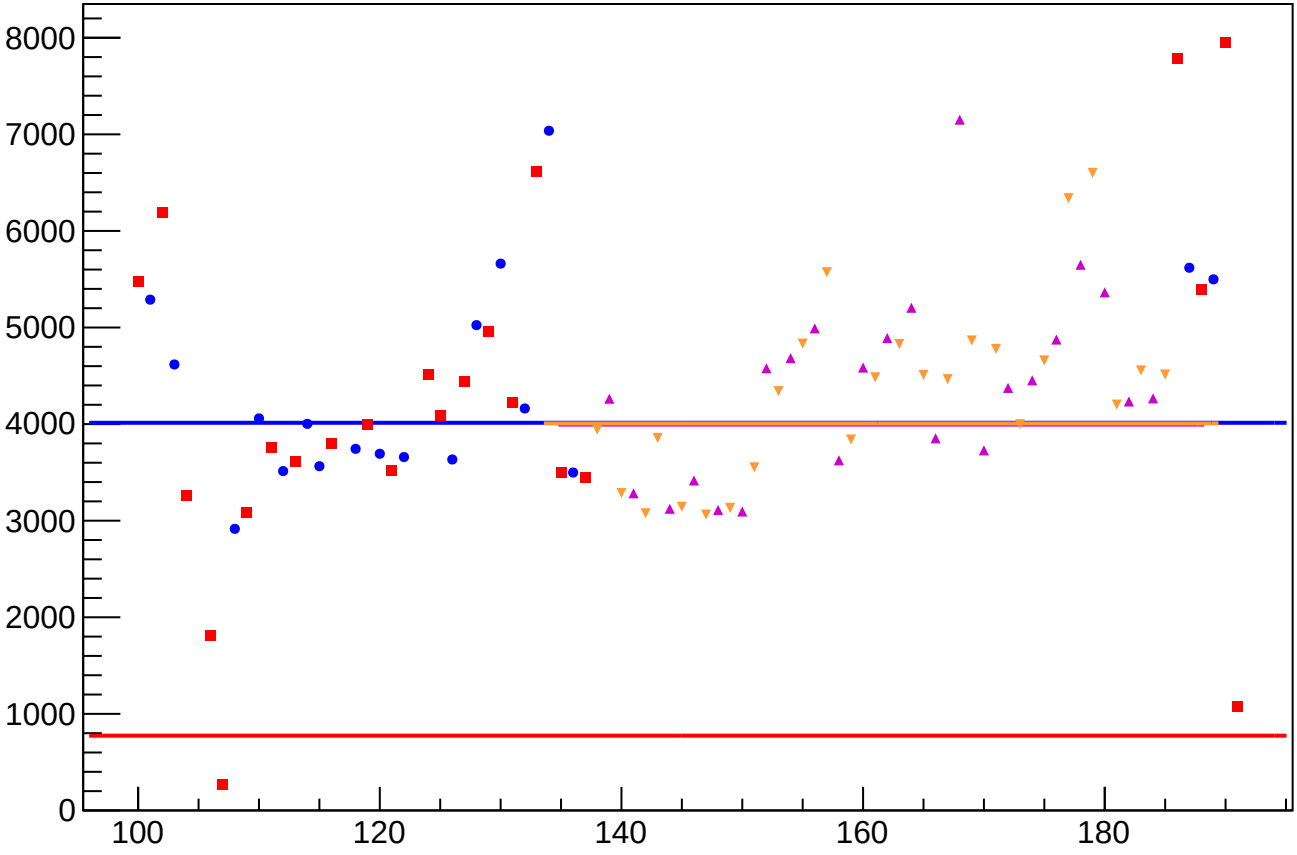
Left In: 56.377+/-956.388 χ^2/NDF:14.3/22

+ sign 134.419+/-788.161 χ^2/NDF: 43.0/42

All: -33.376+/-388.027 χ^2/NDF: 85.6/88

- sign -87.058+/-445.796 χ^2/NDF: 42.6/45

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: 774.215+/-0.356 χ^2/NDF: 13395330.8/22

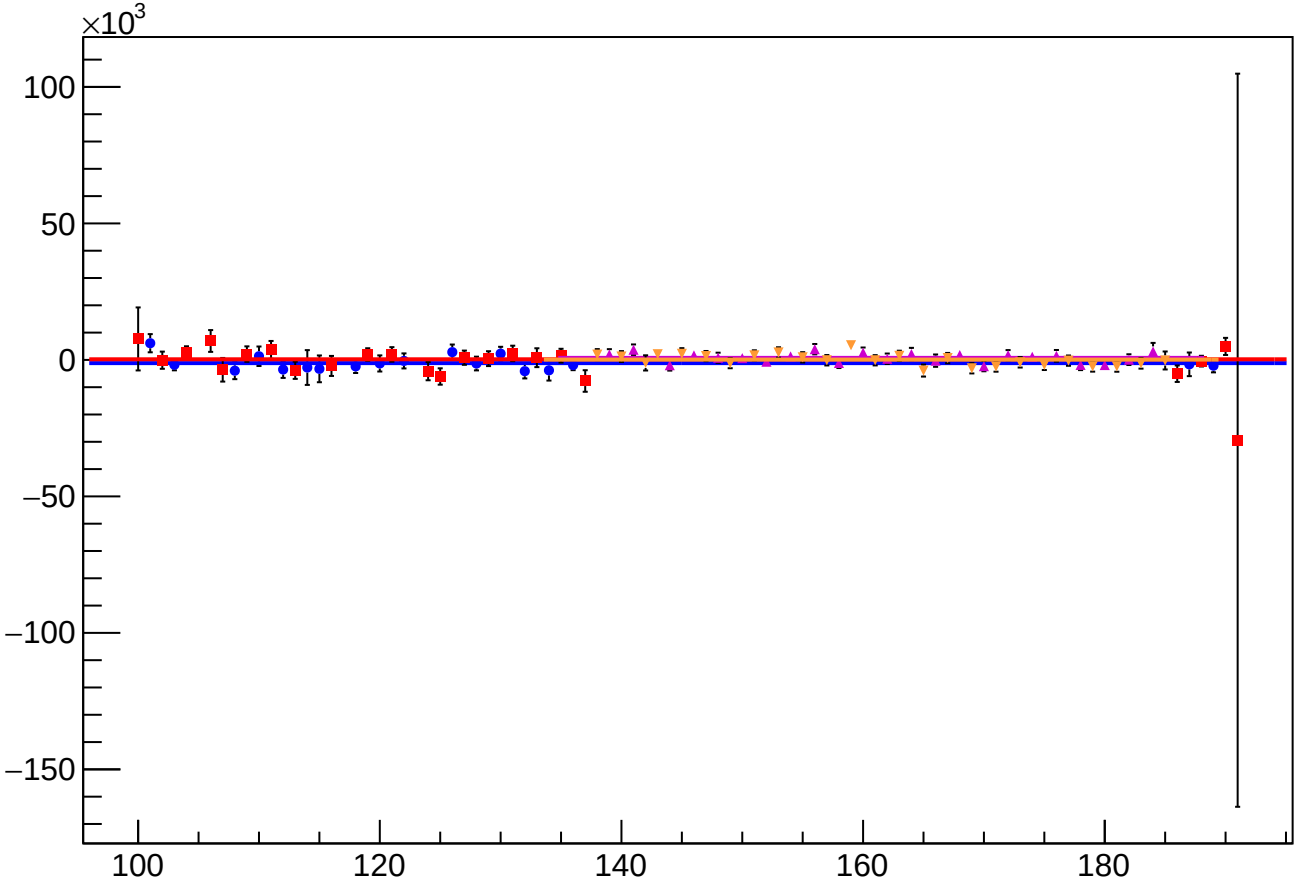
Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

+ sign 4008.925+/-0.557 χ^2/NDF: 2175587.8/42

All: 2088.408+/-0.274 χ^2/NDF: 50536849.9/8

- sign 1473.996+/-0.315 χ^2/NDF: 32687116.5/45

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: 225.127+/-630.722 χ^2/NDF: 26.4/22

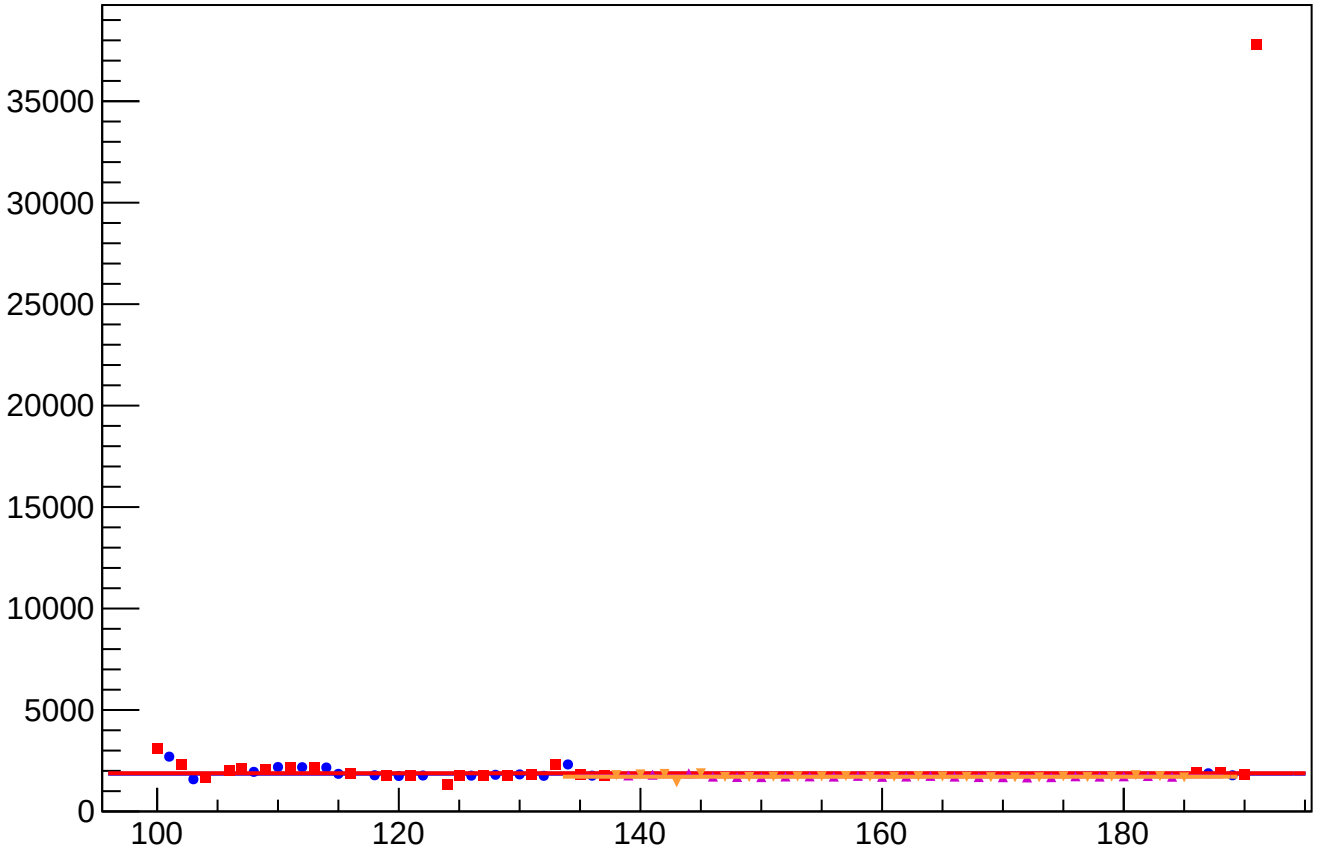
Left In: 741.191+/-404.161 χ^2/NDF:19.0/22

+ sign -211.298+/-336.024 χ^2/NDF: 45.9/42

All: 184.775+/-239.099 χ^2/NDF: 94.5/88

- sign 590.971+/-340.291 χ^2/NDF: 45.8/45

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: 1882.799+/-0.446 χ^2/NDF: 407556.5/22

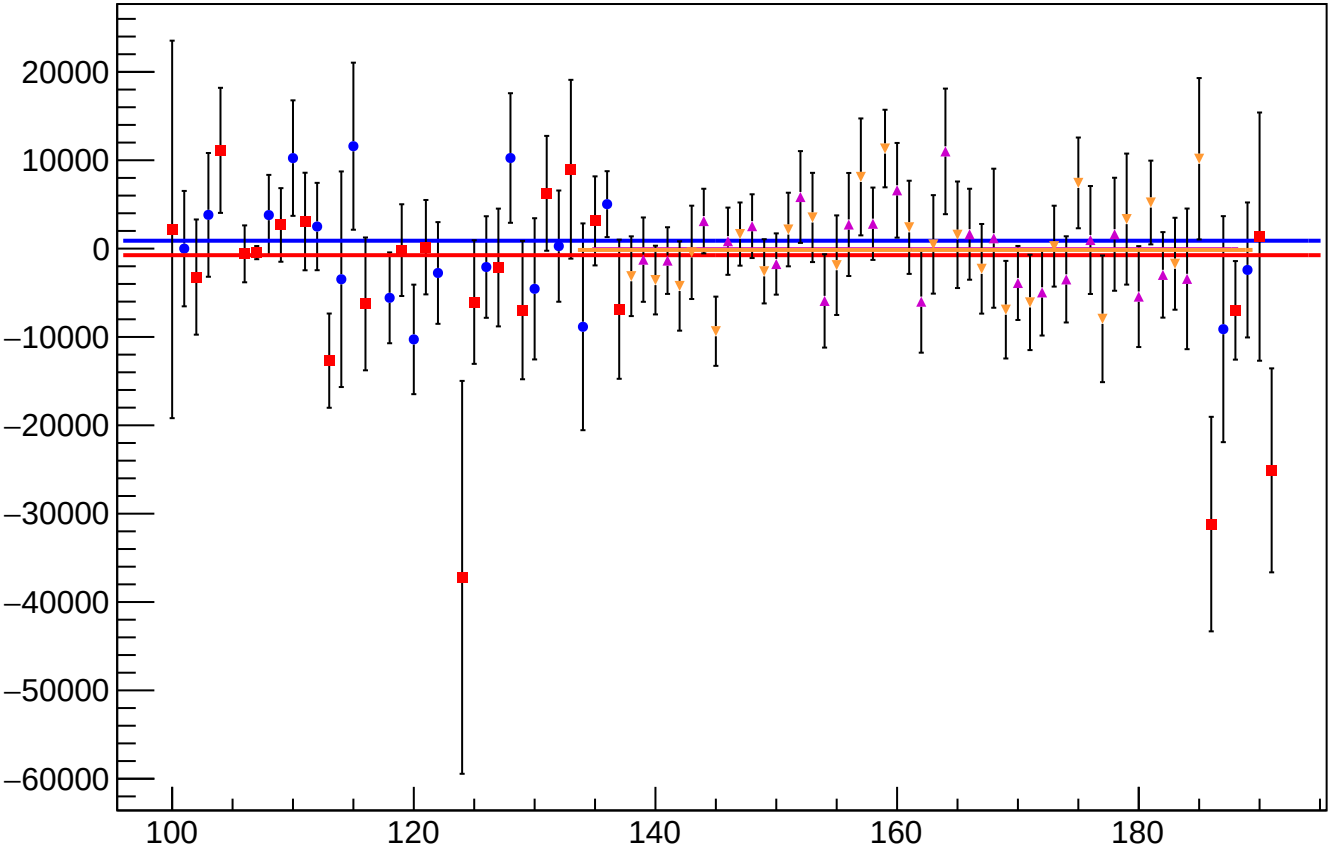
Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

+ sign 1750.230+/-0.238 χ^2/NDF: 427037.4/42

All: 1762.344+/-0.169 χ^2/NDF: 945853.1/88

- sign 1774.763+/-0.241 χ^2/NDF: 513551.7/45

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: -744.121+/-651.278 χ^2/NDF: 29.1/22

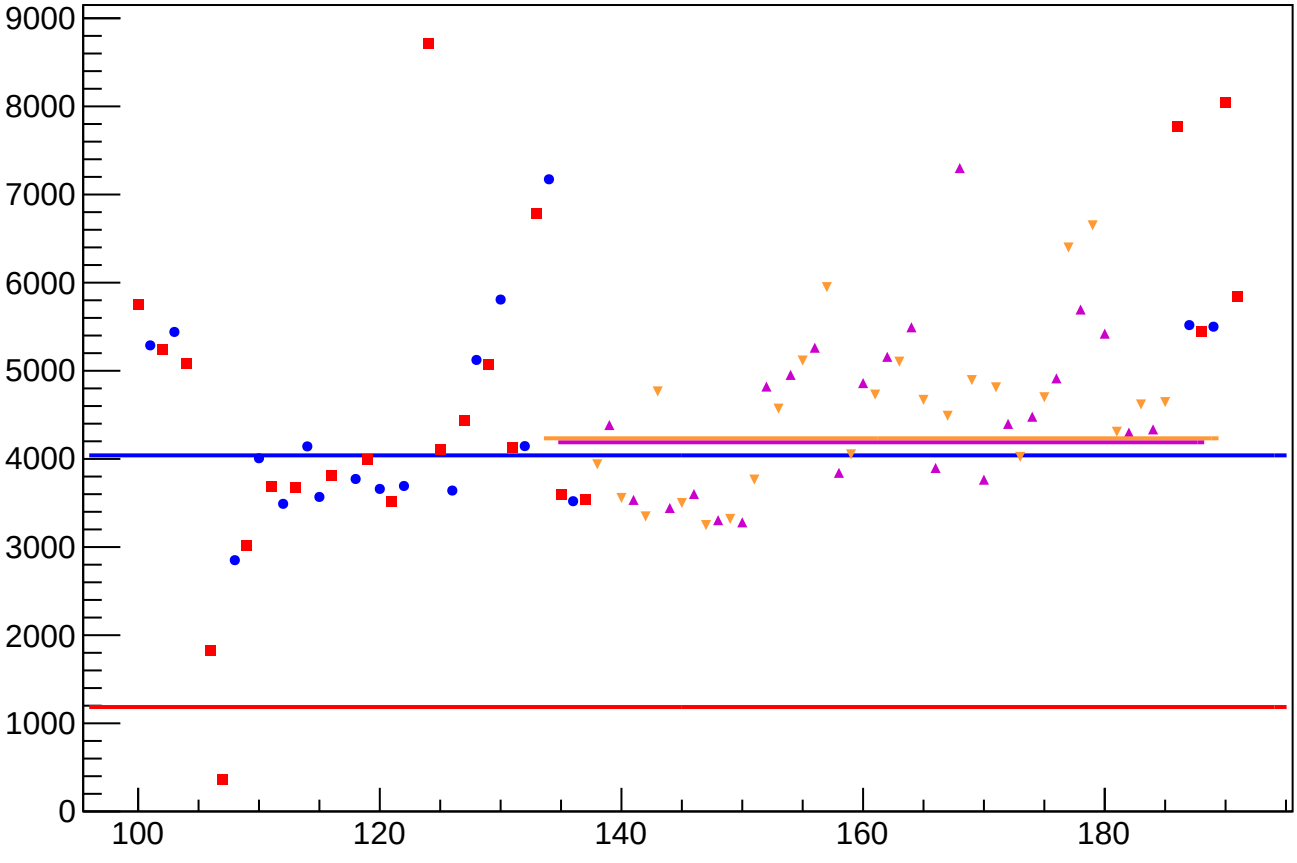
Left In: -65.169+/-1000.106 χ^2/NDF:14.0/22

+ sign 171.557+/-818.886 χ^2/NDF: 41.7/42

All: -322.492+/-454.141 χ^2/NDF: 85.6/88

- sign -541.937+/-545.758 χ^2/NDF: 43.4/45

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: 1184.915+/-0.461 χ^2/NDF: 12169406.5/22

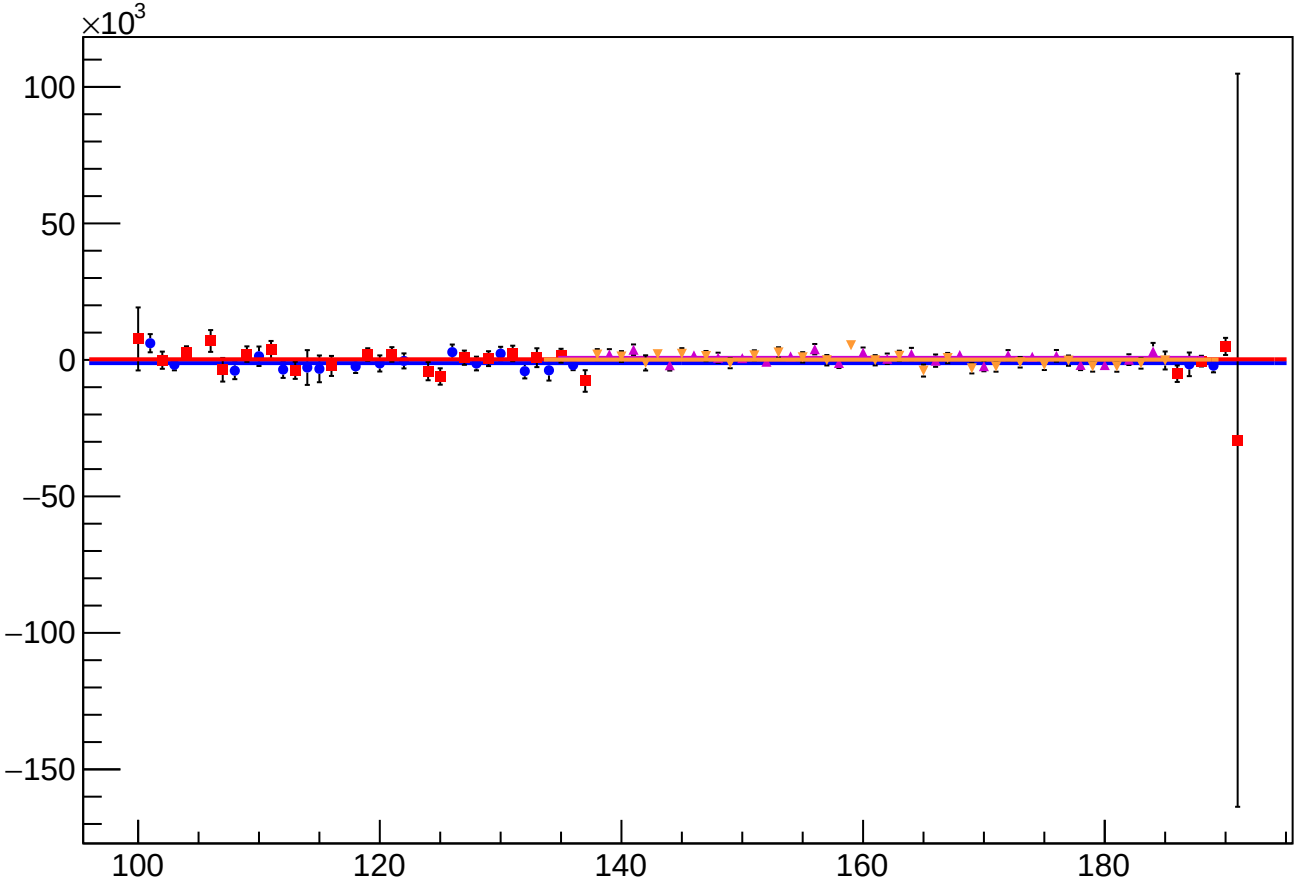
Left In: 4188.874+/-0.707 χ^2/NDF:1344602.0/22

+ sign 4174.099+/-0.579 χ^2/NDF: 2082081.4/42

All: 2723.694+/-0.321 χ^2/NDF: 37327688.5/8

- sign 2079.460+/-0.386 χ^2/NDF: 26184493.4/45

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: 225.132+/-630.722 χ^2/NDF: 26.4/22

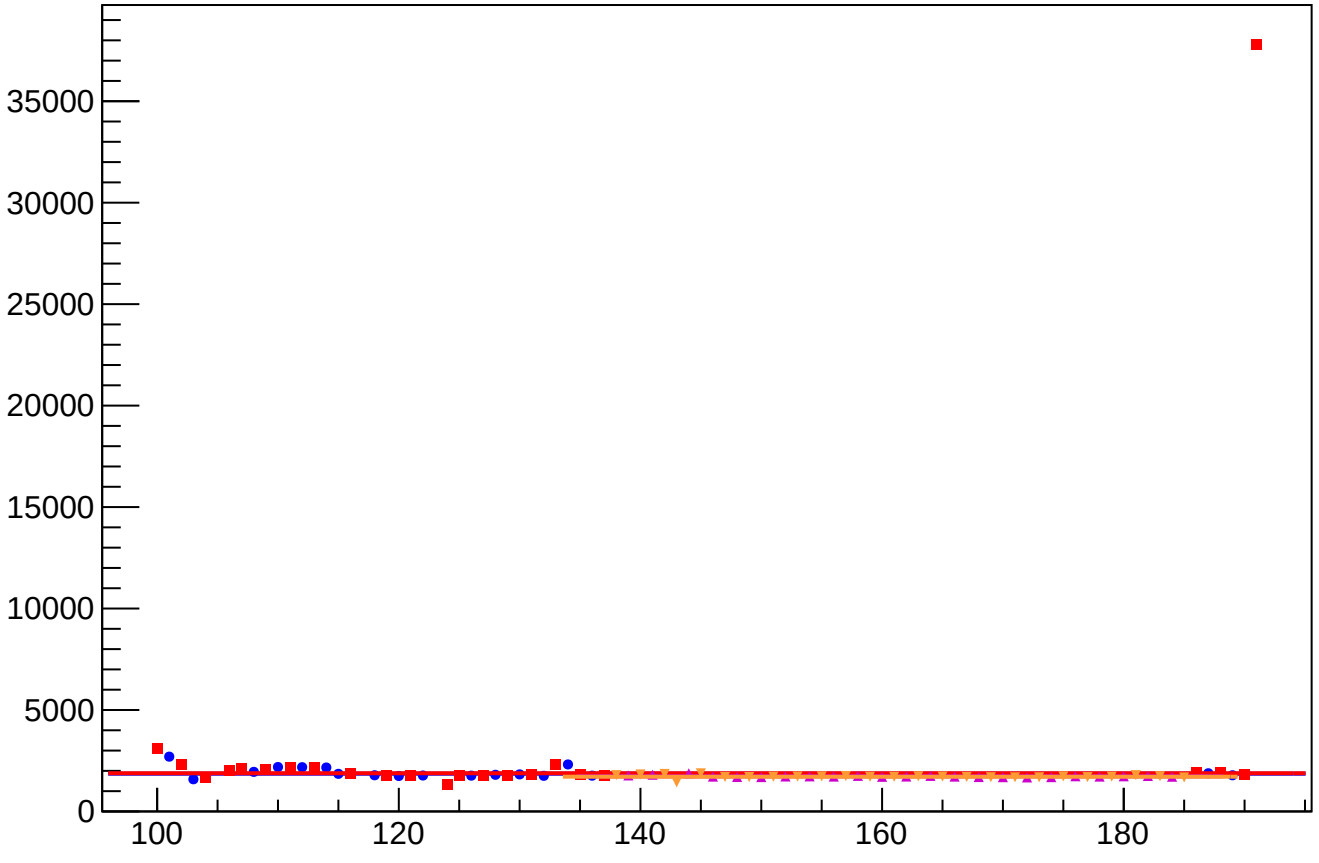
Left In: 741.189+/-404.161 χ^2/NDF:19.0/22

\+ sign -211.297+/-336.024 χ^2/NDF: 45.9/42

All: 184.776+/-239.099 χ^2/NDF: 94.5/88

\- sign 590.971+/-340.291 χ^2/NDF: 45.8/45

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

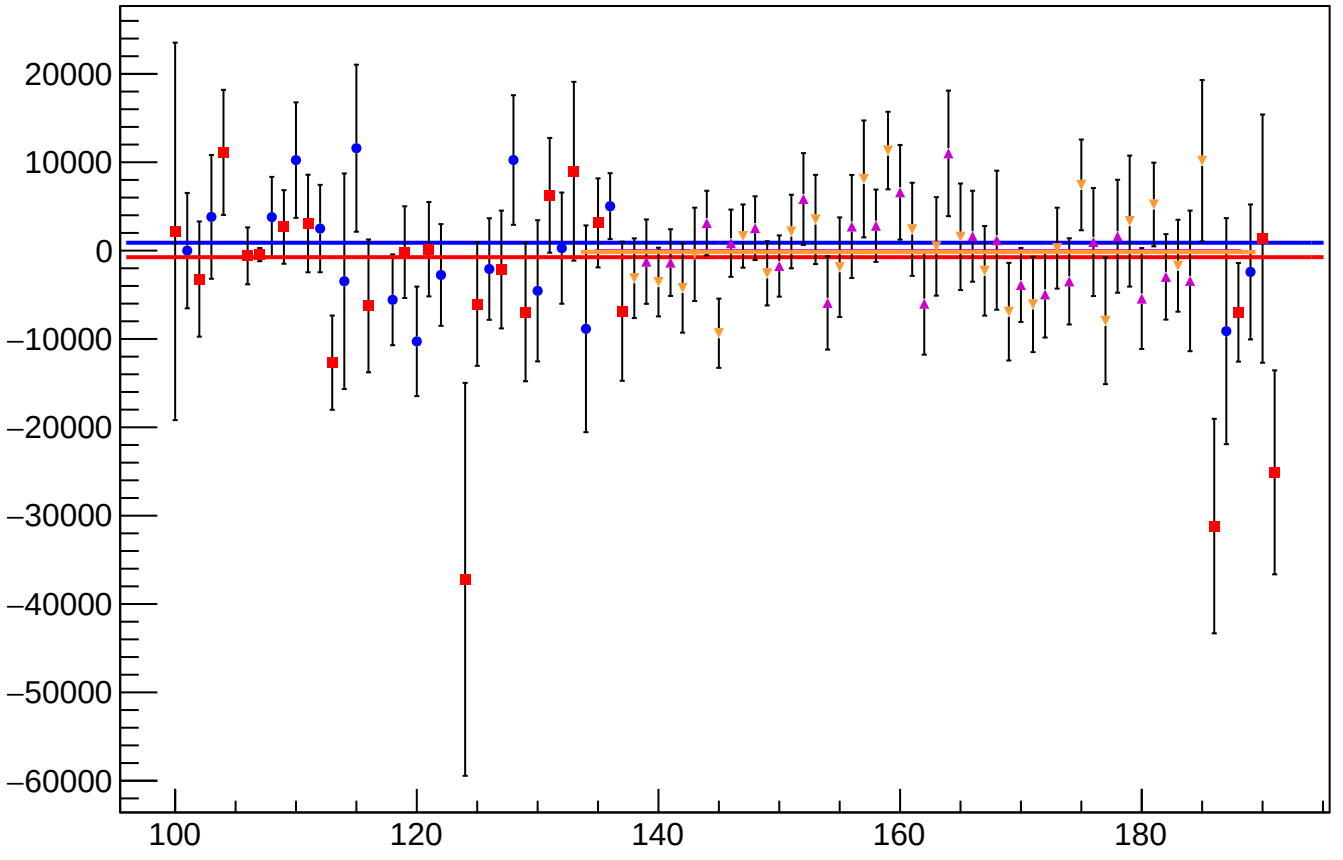
Right Out: 1882.799+/-0.446 χ^2/NDF: 407556.9/22

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

+ sign 1750.230+/-0.238 χ^2/NDF: 427035.6/42

All: 1762.344+/-0.169 χ^2/NDF: 945850.9/88

- sign 1774.763+/-0.241 χ^2/NDF: 513551.3/45



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: -744.136+/-651.289 χ^2/NDF: 29.1/22

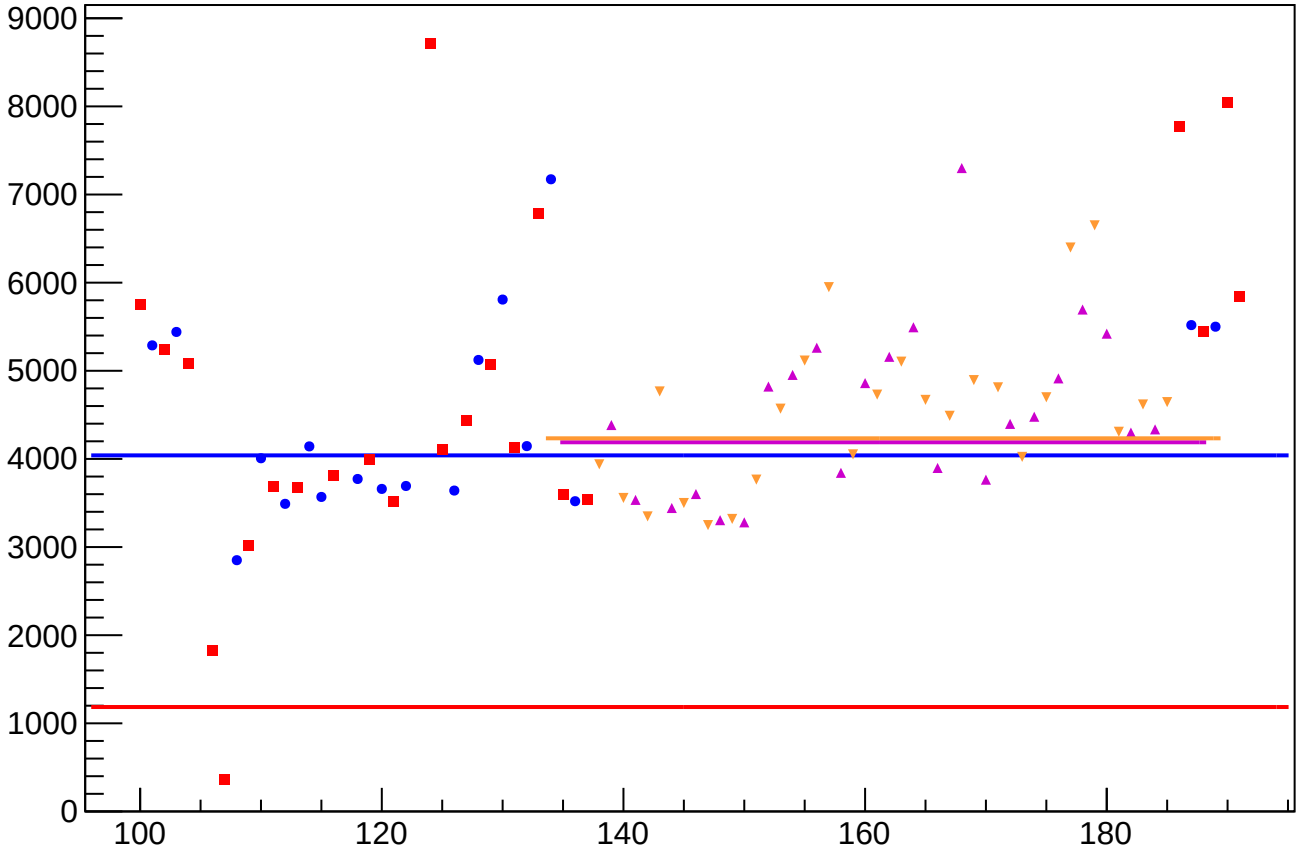
Left In: -65.171+/-1000.108 χ^2/NDF:14.0/22

+ sign 171.553+/-818.887 χ^2/NDF: 41.7/42

All: -322.495+/-454.145 χ^2/NDF: 85.6/88

- sign -541.944+/-545.765 χ^2/NDF: 43.4/45

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: 1184.949+/-0.461 χ^2/NDF: 12169244.5/22

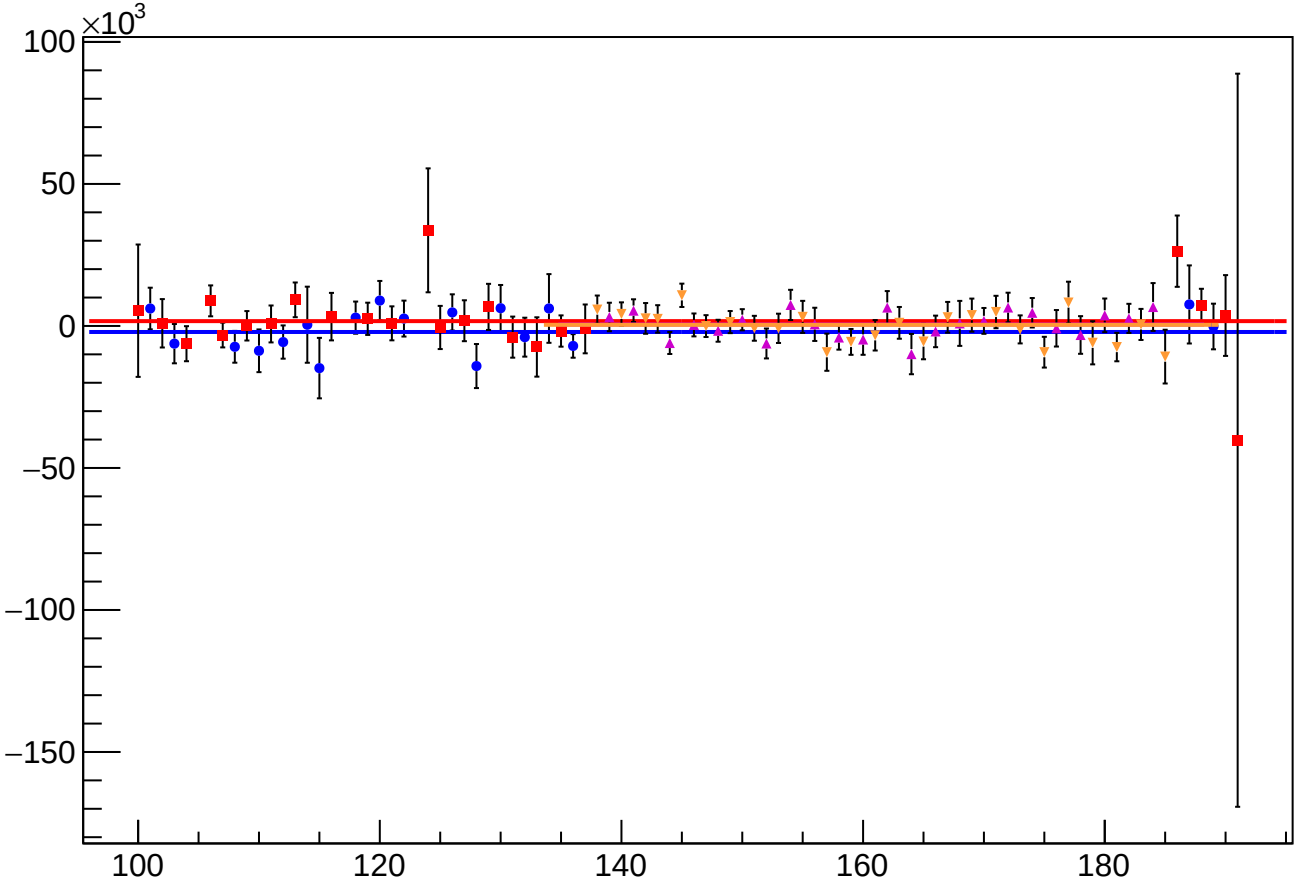
Left In: 4188.880+/-0.707 χ^2/NDF:1344607.0/22

+ sign 4174.101+/-0.579 χ^2/NDF: 2082085.3/42

All: 2723.735+/-0.321 χ^2/NDF: 37326722.5/8

- sign 2079.504+/-0.386 χ^2/NDF: 26183955.8/45

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: 1696.987+/-1477.376 χ^2/NDF: 15.7/22

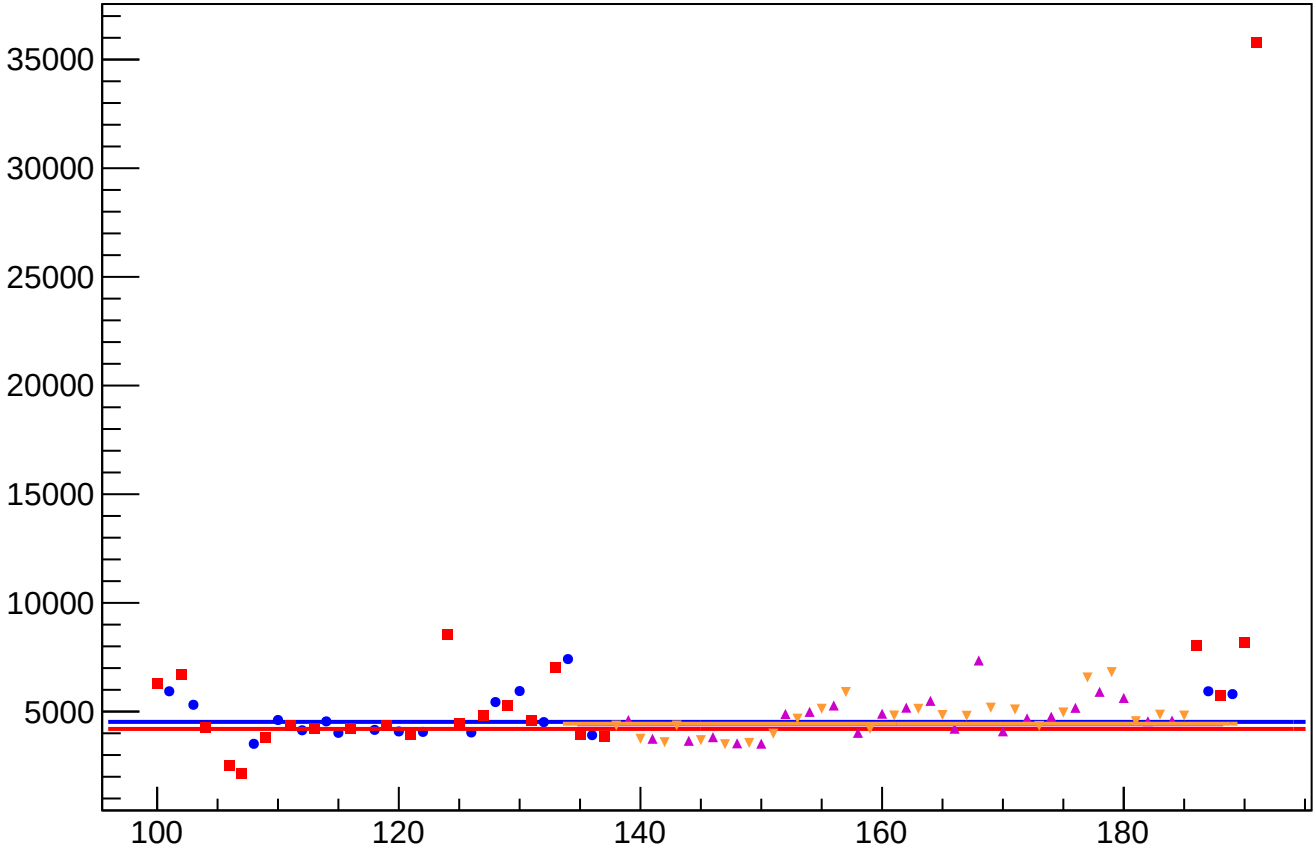
Left In: 502.999+/-1049.682 χ^2/NDF:17.3/22

+ sign -315.418+/-870.867 χ^2/NDF: 42.6/42

All: 304.777+/-610.359 χ^2/NDF: 77.0/88

- sign 903.542+/-855.689 χ^2/NDF: 33.5/45

asym_atl1r2_dd_rms vs Slug



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: 4200.814+/-1.035 χ^2/NDF: 1789772.0/22

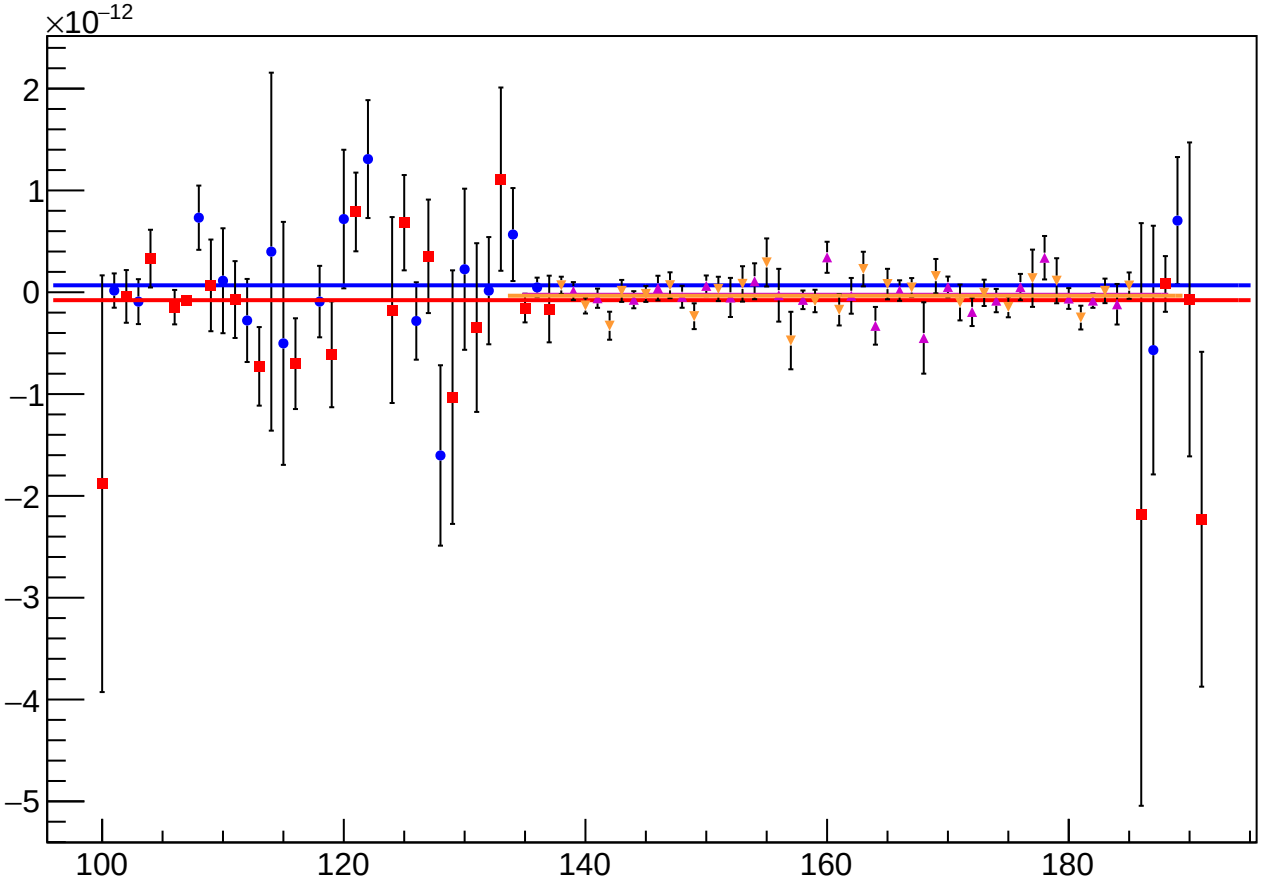
Left In: 4415.366+/-0.742 χ^2/NDF:1111411.1/22

+ sign 4464.574+/-0.616 χ^2/NDF: 1611024.1/42

All: 4402.286+/-0.431 χ^2/NDF: 4560627.0/88

- sign 4342.518+/-0.603 χ^2/NDF: 2929553.8/45

asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/17

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.7/22

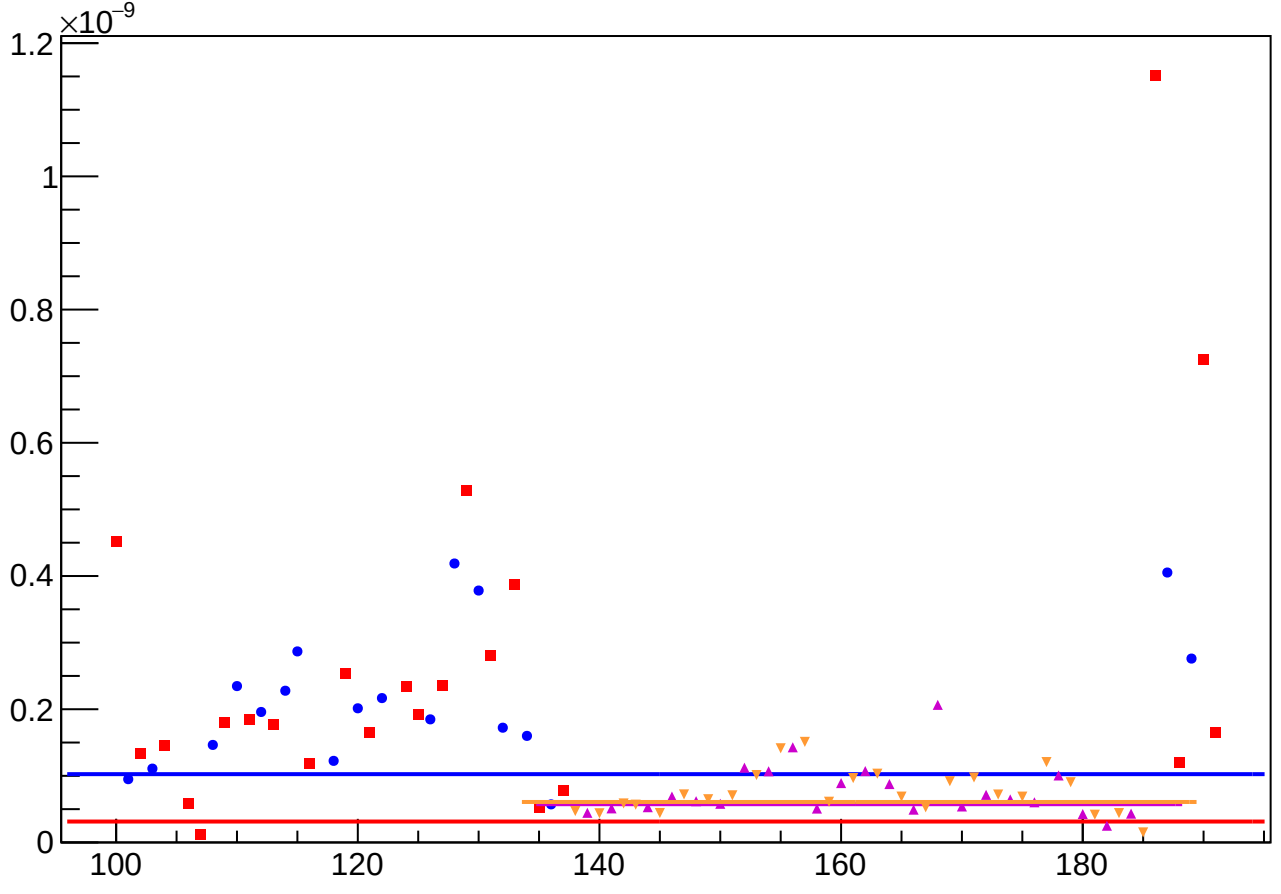
Left In: -0.000+/-0.000 χ^2/NDF:19.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.2/42

All: -0.000+/-0.000 χ^2/NDF: 93.3/88

- sign -0.000+/-0.000 χ^2/NDF: 43.6/45

asym_atl1r2_dd_reg_vs_cor_diff_rms vs Slug



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: 5304664.2/22

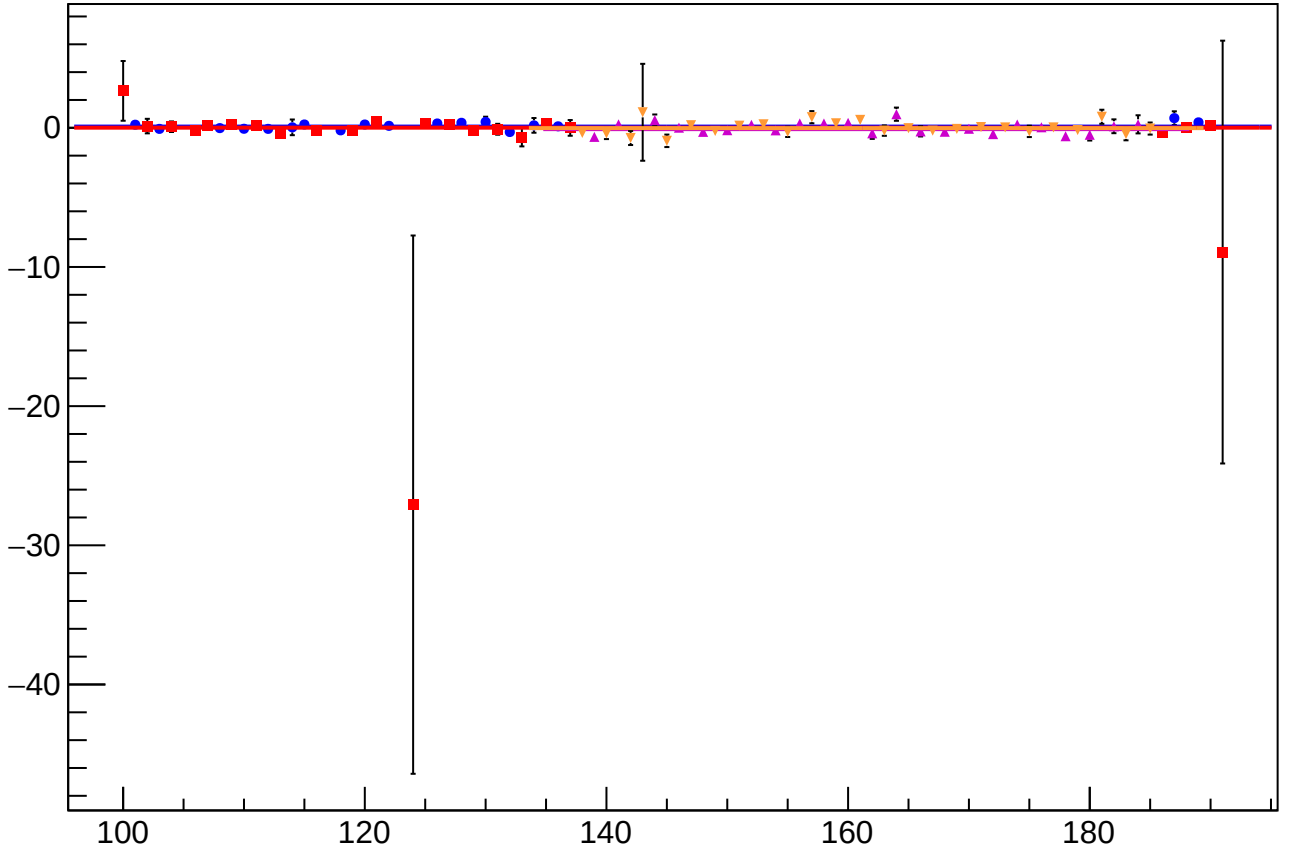
Left In: 0.000+/-0.000 χ^2/NDF:1878360.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 4241854.0/42

All: 0.000+/-0.000 χ^2/NDF: 12889487.8/88

- sign 0.000+/-0.000 χ^2/NDF: 7985378.2/45

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: 0.010+/-0.053 χ^2/NDF: 24.7/22

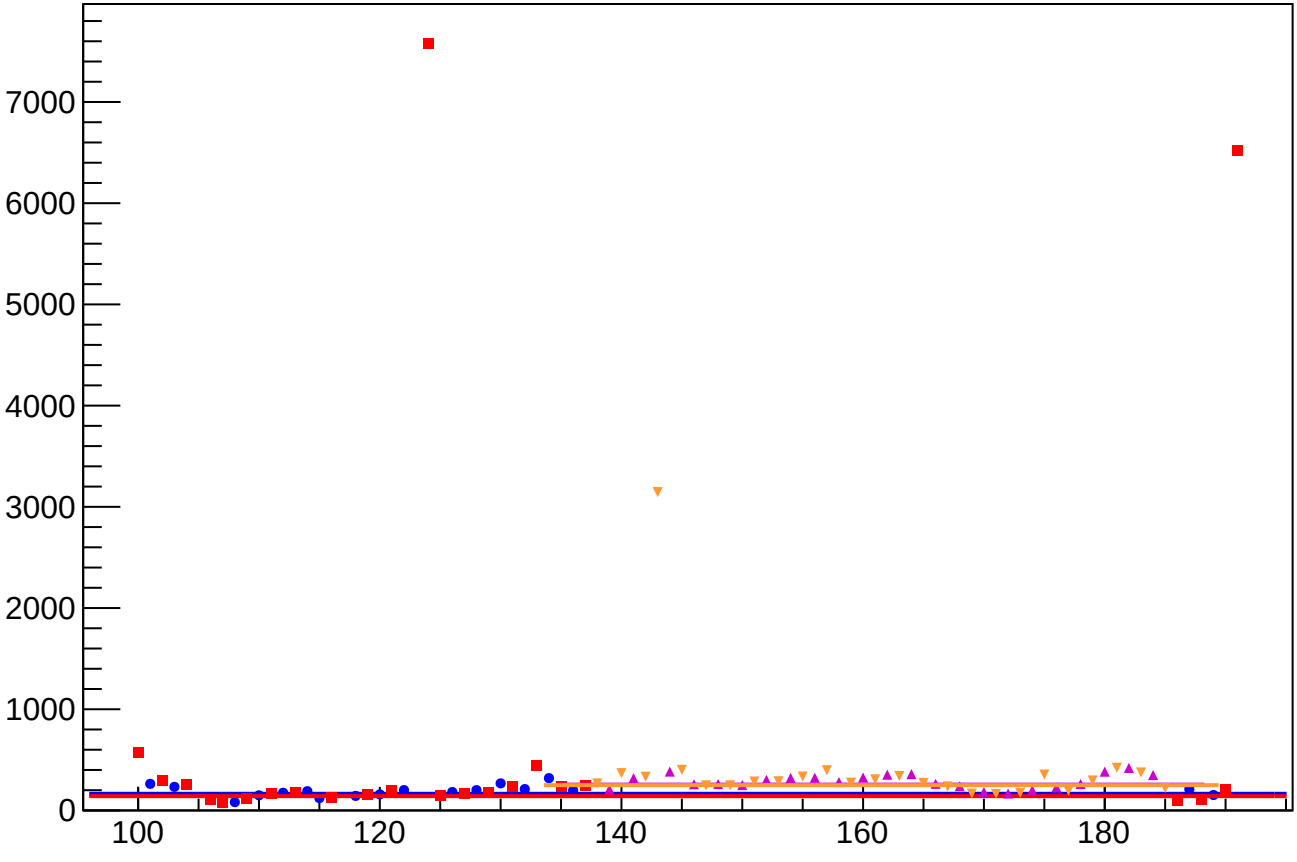
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.031+/-0.044 χ^2/NDF: 36.6/42

All: -0.004+/-0.030 χ^2/NDF: 95.6/88

- sign -0.034+/-0.041 χ^2/NDF: 57.8/45

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

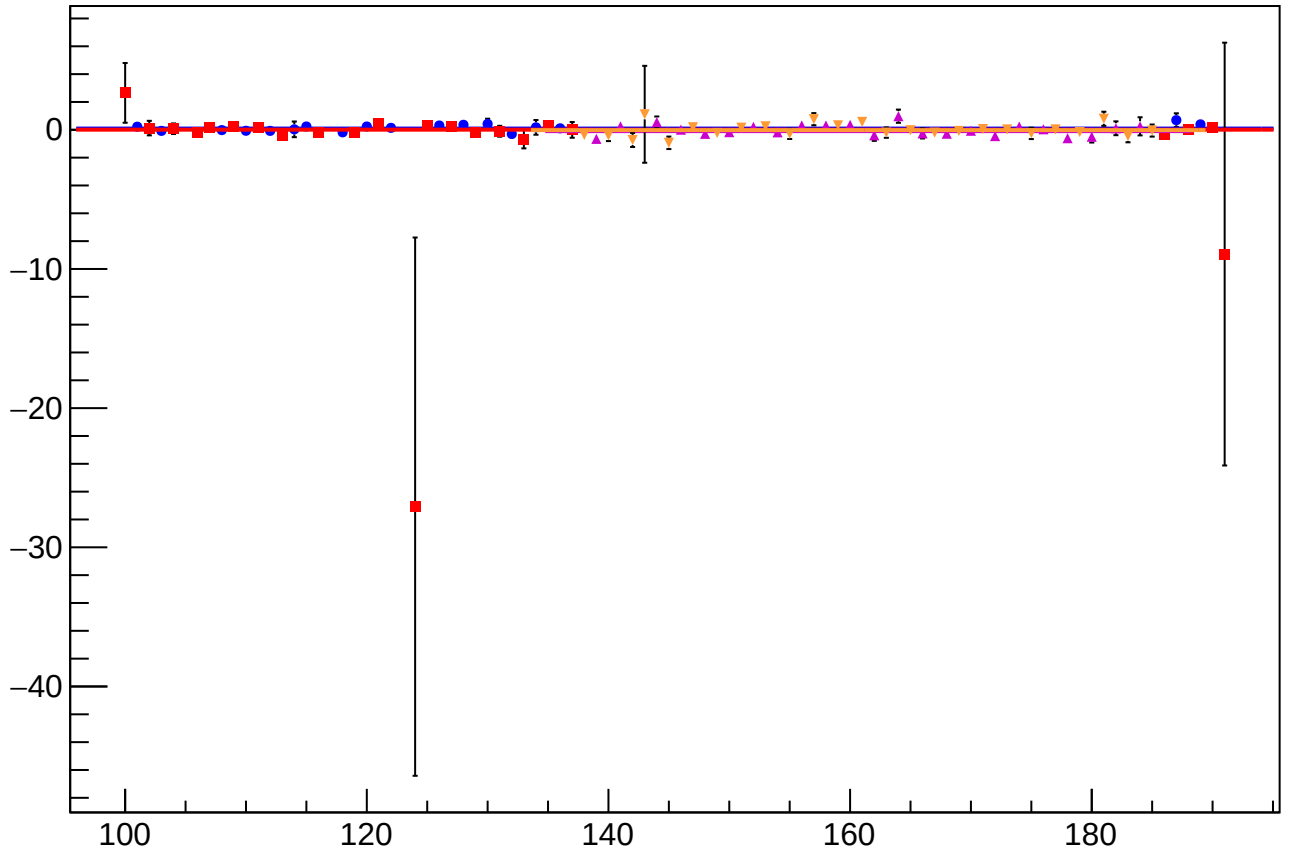
Right Out: 141.298+/-0.038 χ^2/NDF: 2676569.7/22

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 208.127+/-0.031 χ^2/NDF: 7607311.6/42

All: 197.592+/-0.021 χ^2/NDF: 16436285.9/88

- sign 188.640+/-0.029 χ^2/NDF: 8617297.9/45



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: 0.010+/-0.053 χ^2/NDF: 24.7/22

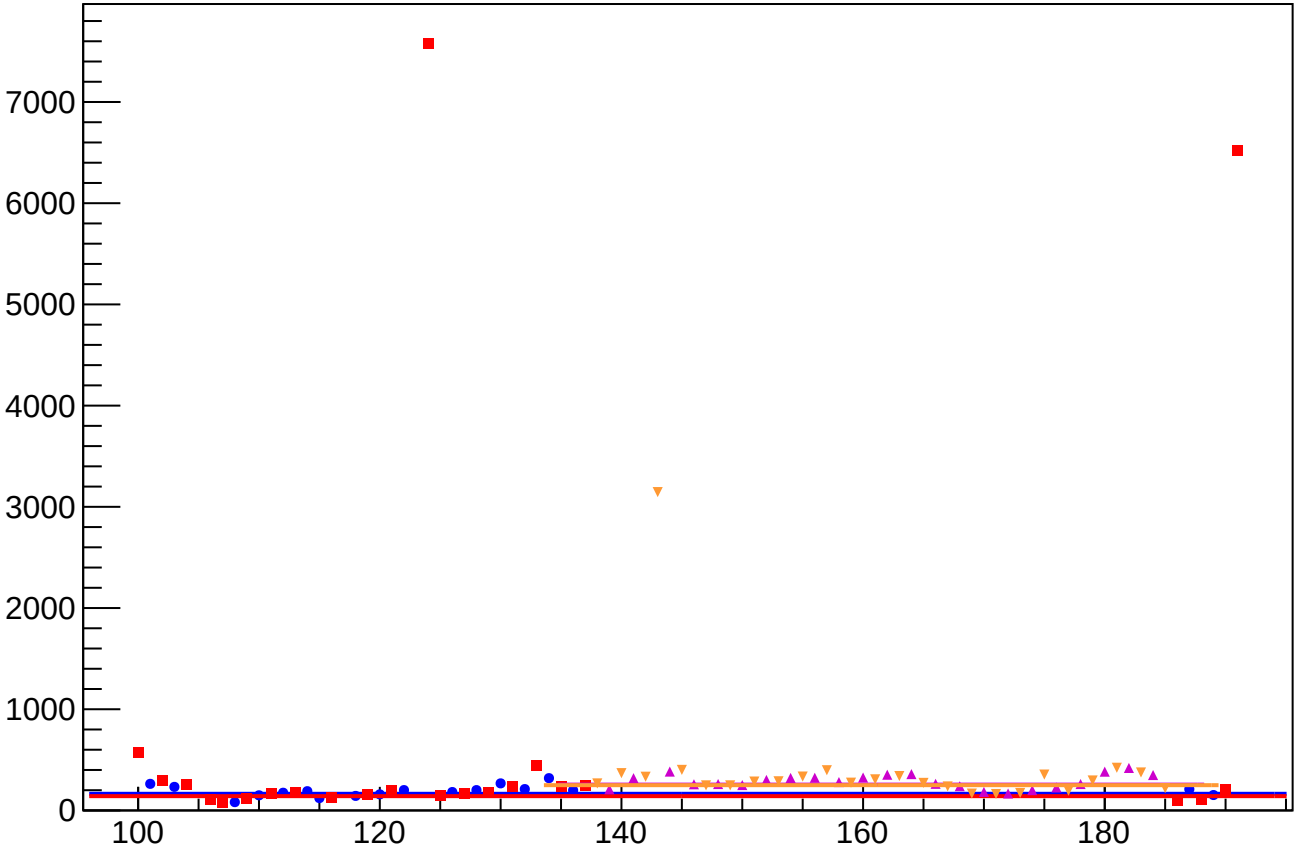
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.031+/-0.044 χ^2/NDF: 36.6/42

All: -0.004+/-0.030 χ^2/NDF: 95.6/88

- sign -0.034+/-0.041 χ^2/NDF: 57.8/45

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

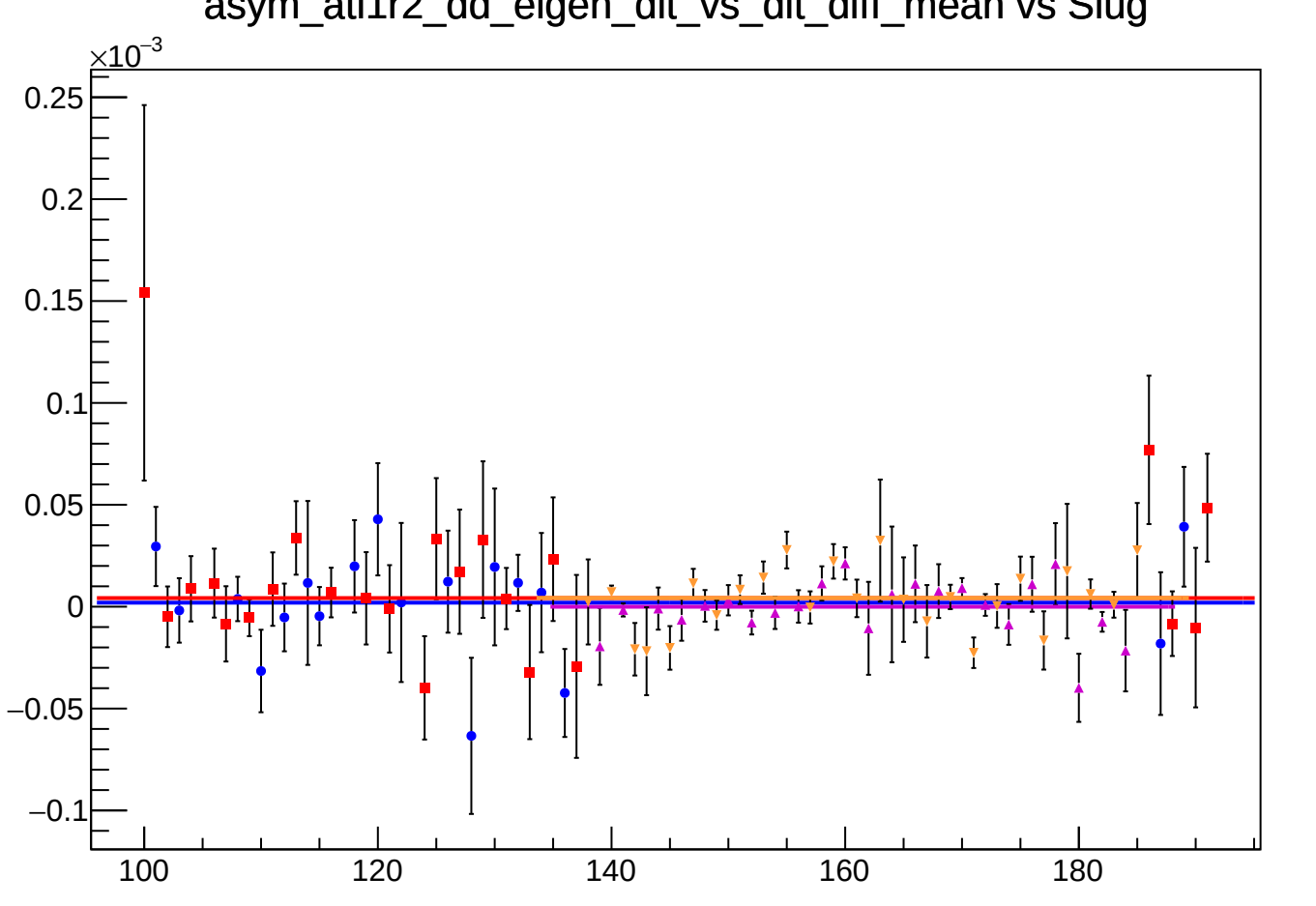
Right Out: 141.298+/-0.038 χ^2/NDF: 2676569.7/22

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 208.127+/-0.031 χ^2/NDF: 7607311.6/42

All: 197.592+/-0.021 χ^2/NDF: 16436285.9/88

- sign 188.640+/-0.029 χ^2/NDF: 8617297.9/45



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: 22.2/22

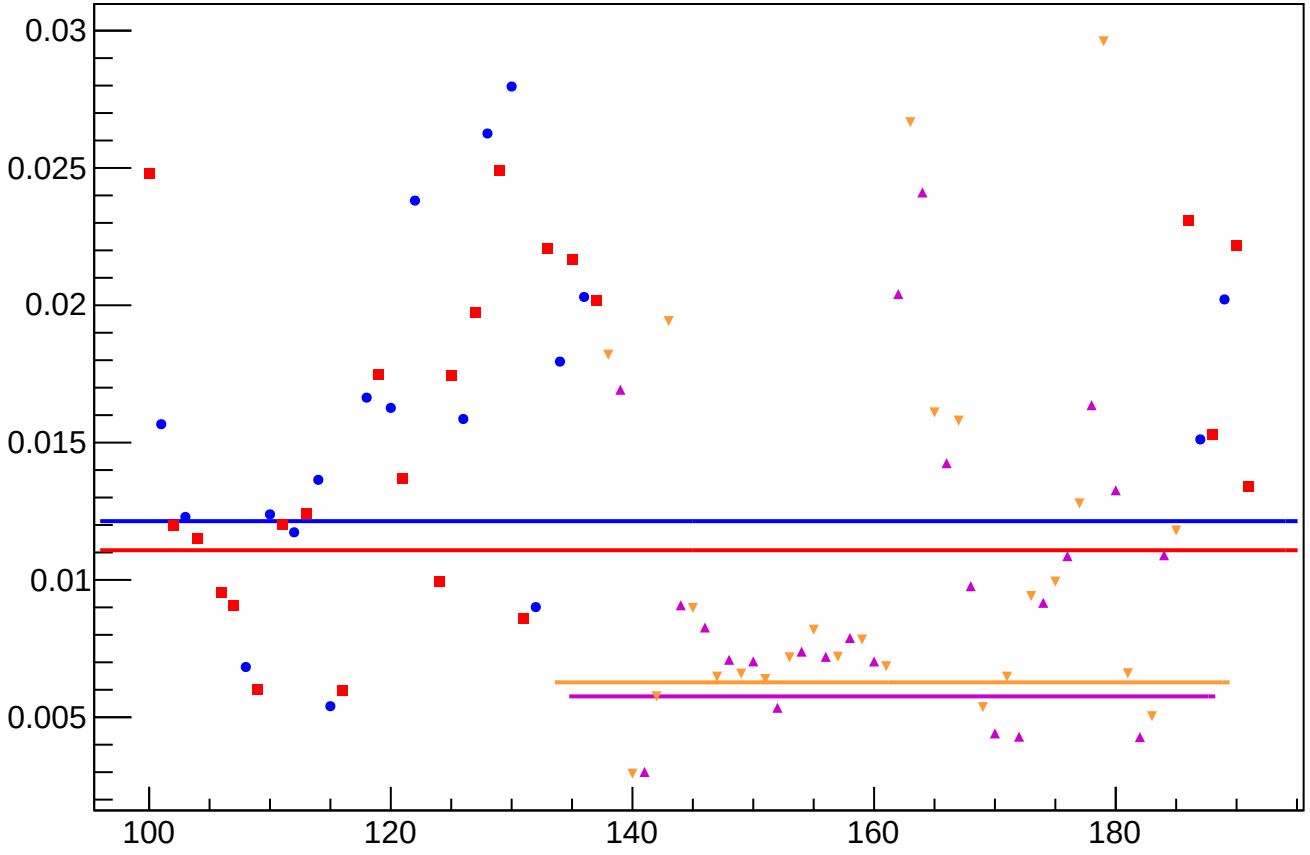
Left In: -0.000+/-0.000 χ^2/NDF:29.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.4/42

All: 0.000+/-0.000 χ^2/NDF: 119.3/88

- sign 0.000+/-0.000 χ^2/NDF: 52.2/45

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

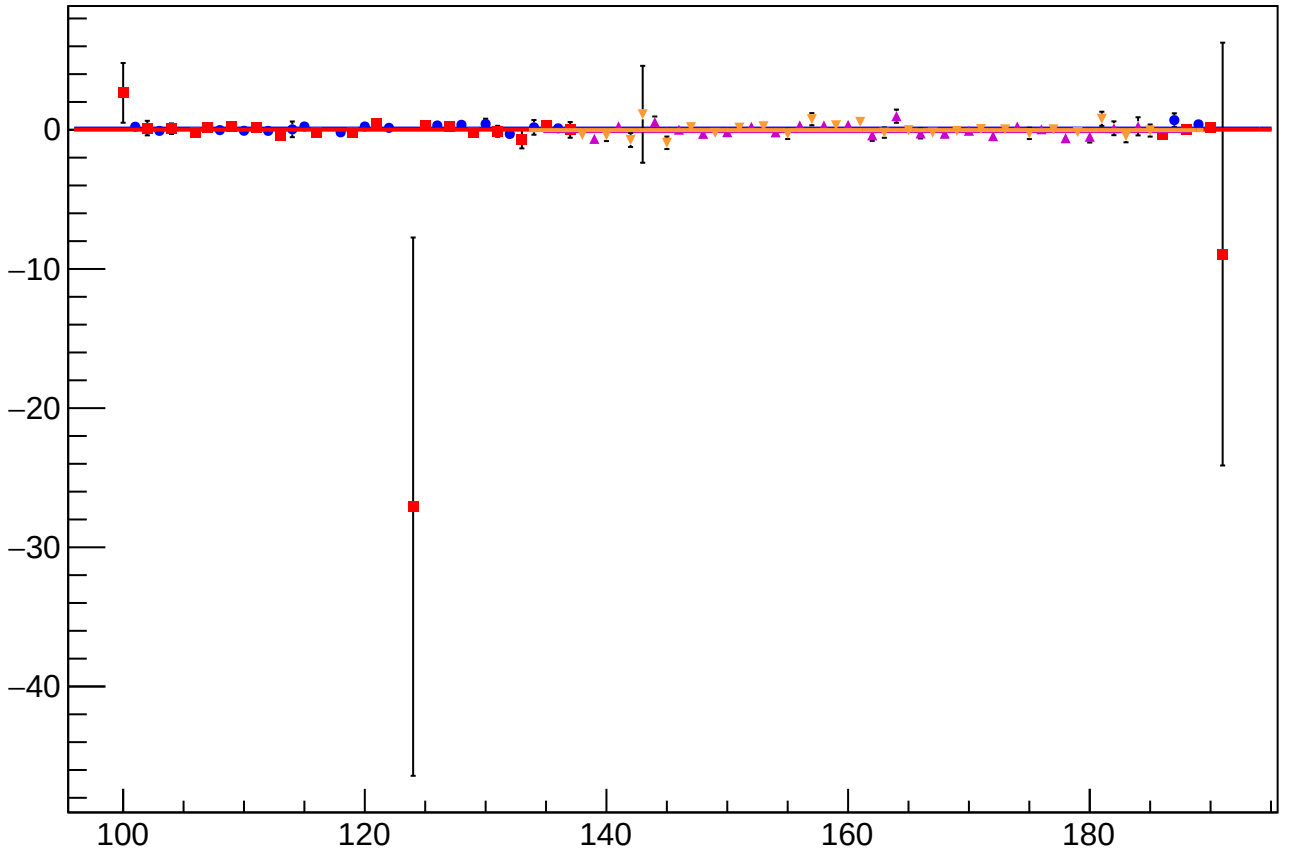
Right Out: 0.011+/-0.000 χ^2/NDF: 2937938.8/22

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: 26357622.9/88

- sign 0.006+/-0.000 χ^2/NDF: 13080024.0/45



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: 0.010+/-0.053 χ^2/NDF: 24.7/22

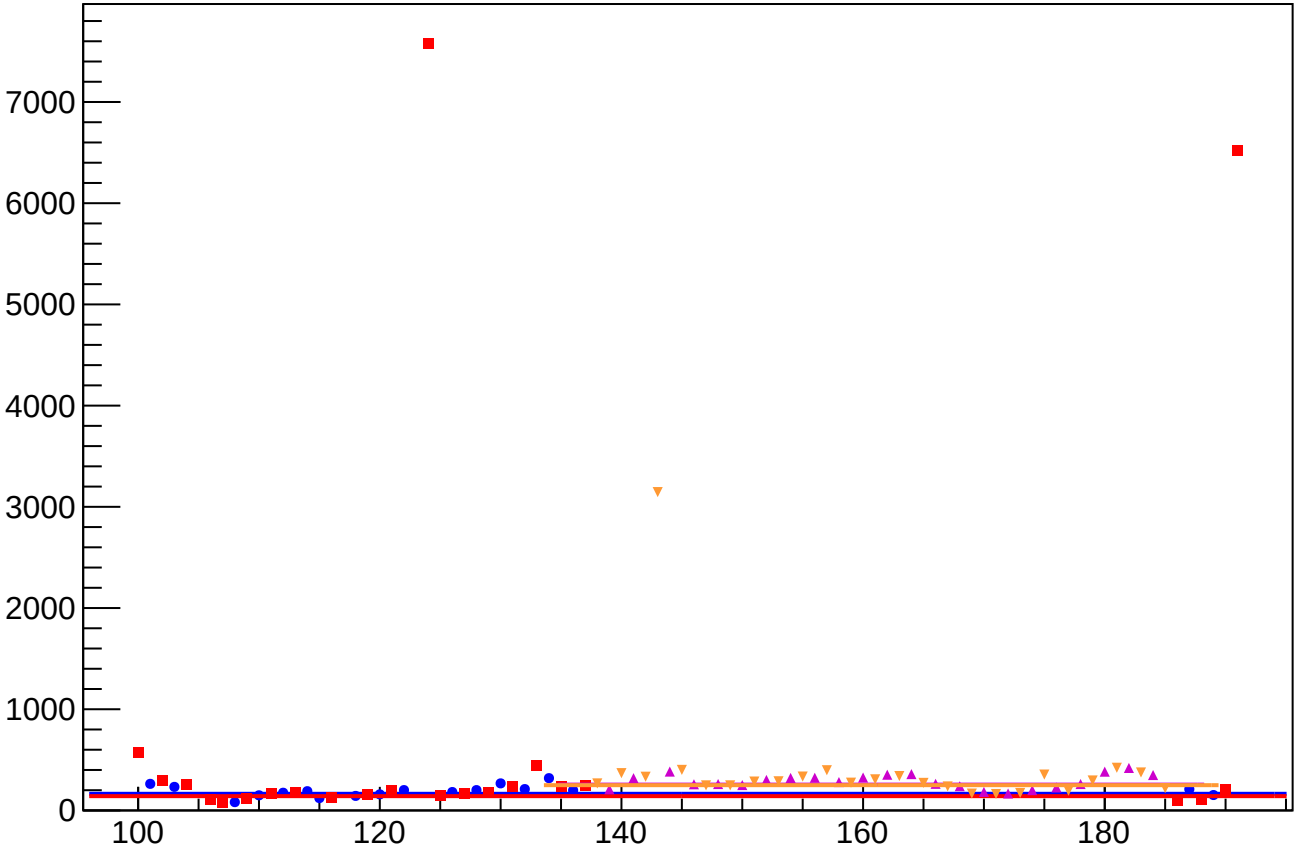
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.031+/-0.044 χ^2/NDF: 36.6/42

All: -0.004+/-0.030 χ^2/NDF: 95.6/88

- sign -0.034+/-0.041 χ^2/NDF: 57.8/45

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

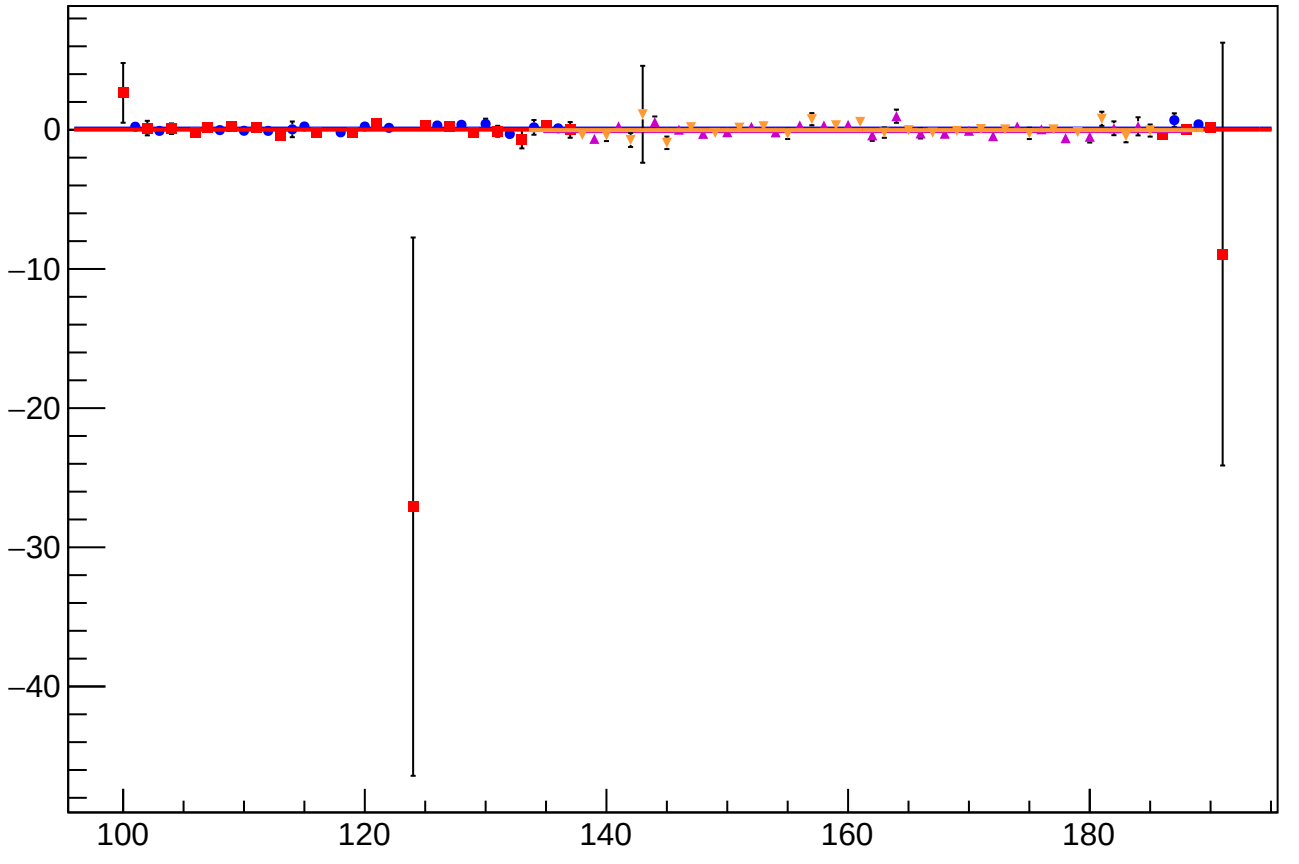
Right Out: 141.300+/-0.038 χ^2/NDF: 2676462.6/22

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 208.126+/-0.031 χ^2/NDF: 7607563.2/42

All: 197.593+/-0.021 χ^2/NDF: 16436325.8/88

- sign 188.642+/-0.029 χ^2/NDF: 8617158.9/45



Right In: 0.088+/-0.063 χ^2/NDF: 11.5/17

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

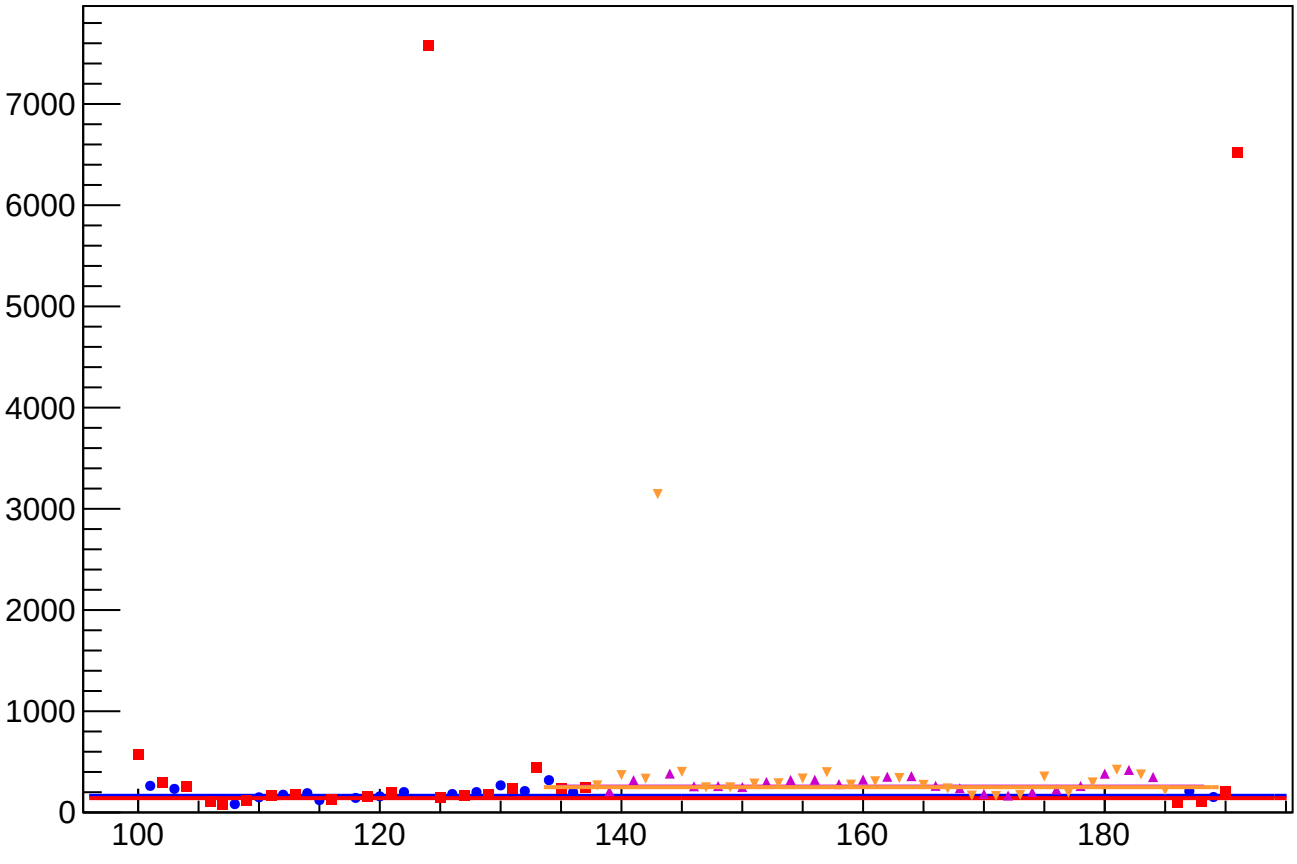
Right Out: 0.010+/-0.053 χ^2/NDF: 24.7/22

Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.031+/-0.044 χ^2/NDF: 36.6/42

All: -0.004+/-0.030 χ^2/NDF: 95.6/88

- sign -0.034+/-0.041 χ^2/NDF: 57.8/45



Right In: 164.552+/-0.045 χ^2/NDF: 1498299.7/17

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

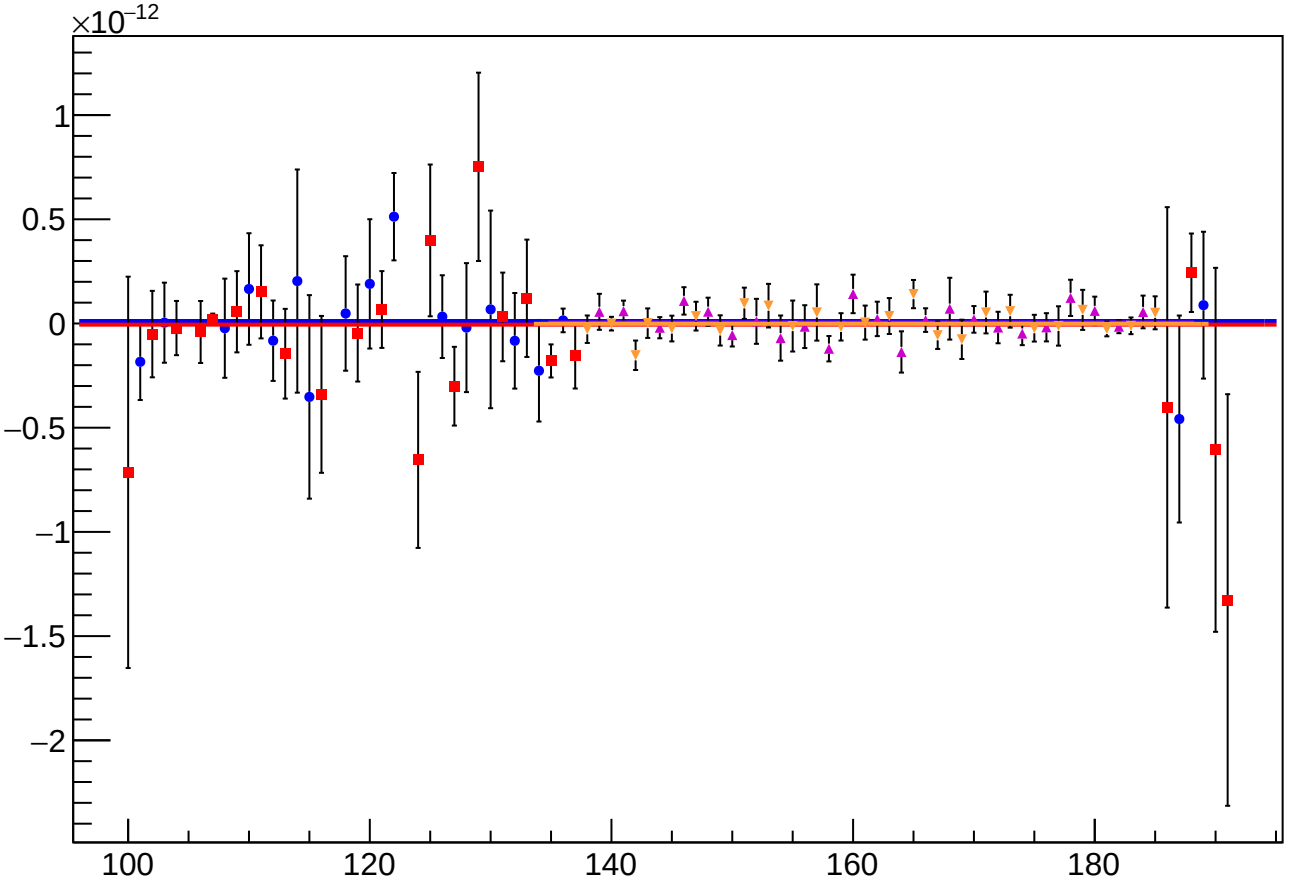
Right Out: 141.300+/-0.038 χ^2/NDF: 2676462.6/22

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 208.126+/-0.031 χ^2/NDF: 7607563.2/42

All: 197.593+/-0.021 χ^2/NDF: 16436325.8/88

- sign 188.642+/-0.029 χ^2/NDF: 8617158.9/45



Right In: 0.000+/-0.000 χ^2/NDF: 10.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

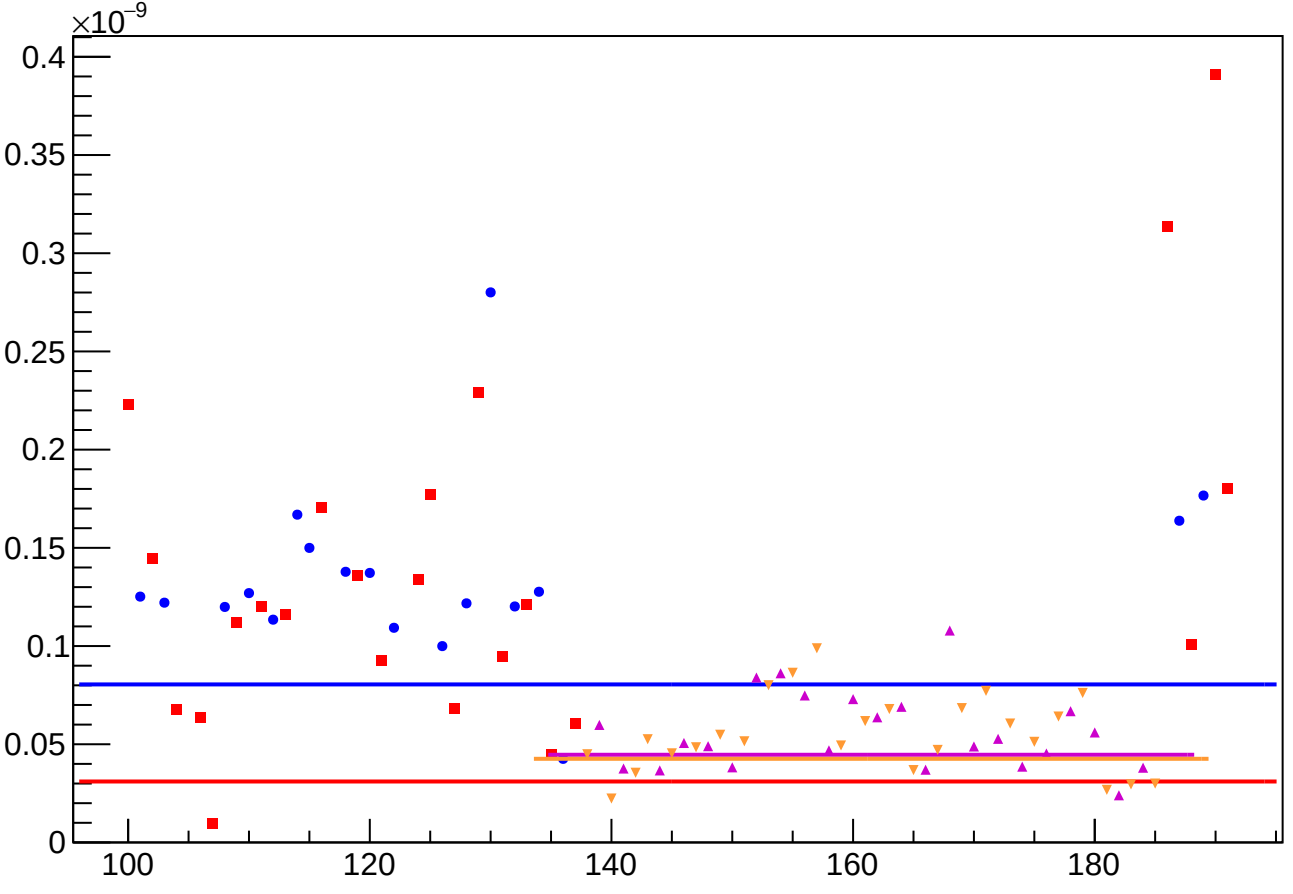
Right Out: -0.000+/-0.000 χ^2/NDF: 22.5/22

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: 69.6/88

- sign 0.000+/-0.000 χ^2/NDF: 42.5/45



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: 6326886.5/22

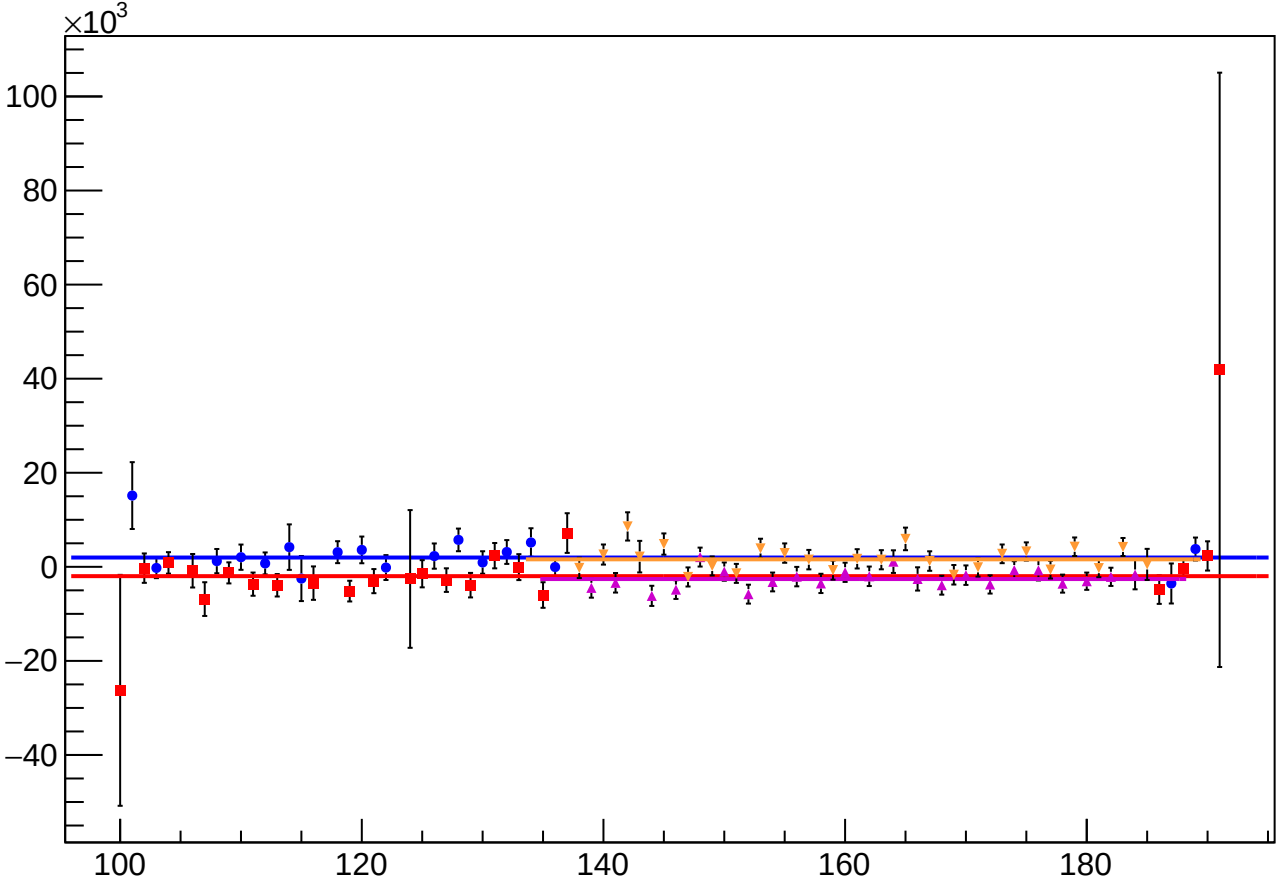
Left In: 0.000+/-0.000 χ^2/NDF:2871089.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 7450265.6/42

All: 0.000+/-0.000 χ^2/NDF: 17335397.3/88

- sign 0.000+/-0.000 χ^2/NDF: 9725596.3/45

reg_asym_atr1l2_avg_mean vs Slug



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: -1982.515+/-597.626 χ^2/NDF: 23.1/22

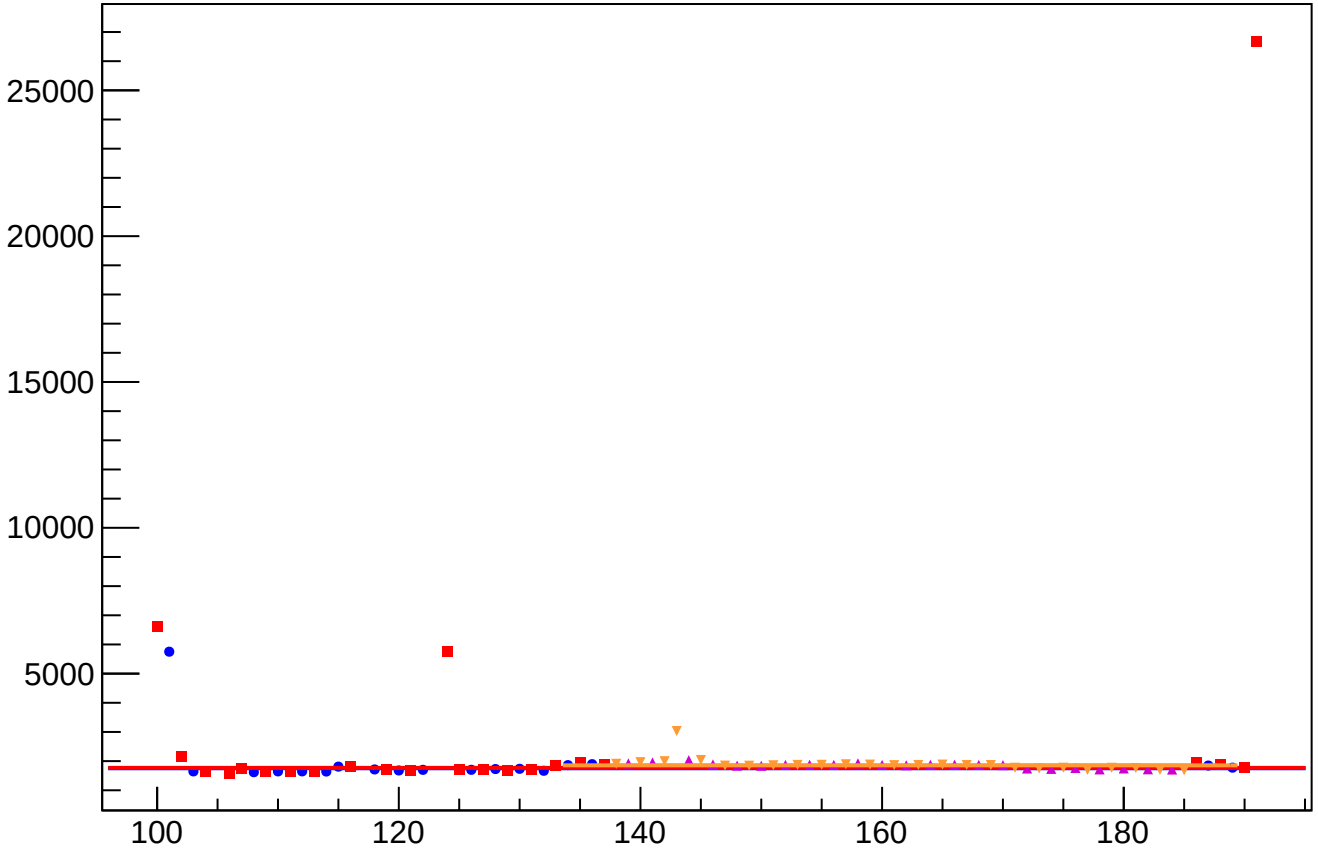
Left In: -2597.740+/-430.293 χ^2/NDF:20.1/22

+ sign 1710.046+/-352.509 χ^2/NDF: 45.9/42

All: -358.162+/-248.082 χ^2/NDF: 157.9/88

- sign -2387.693+/-349.197 χ^2/NDF: 43.8/45

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

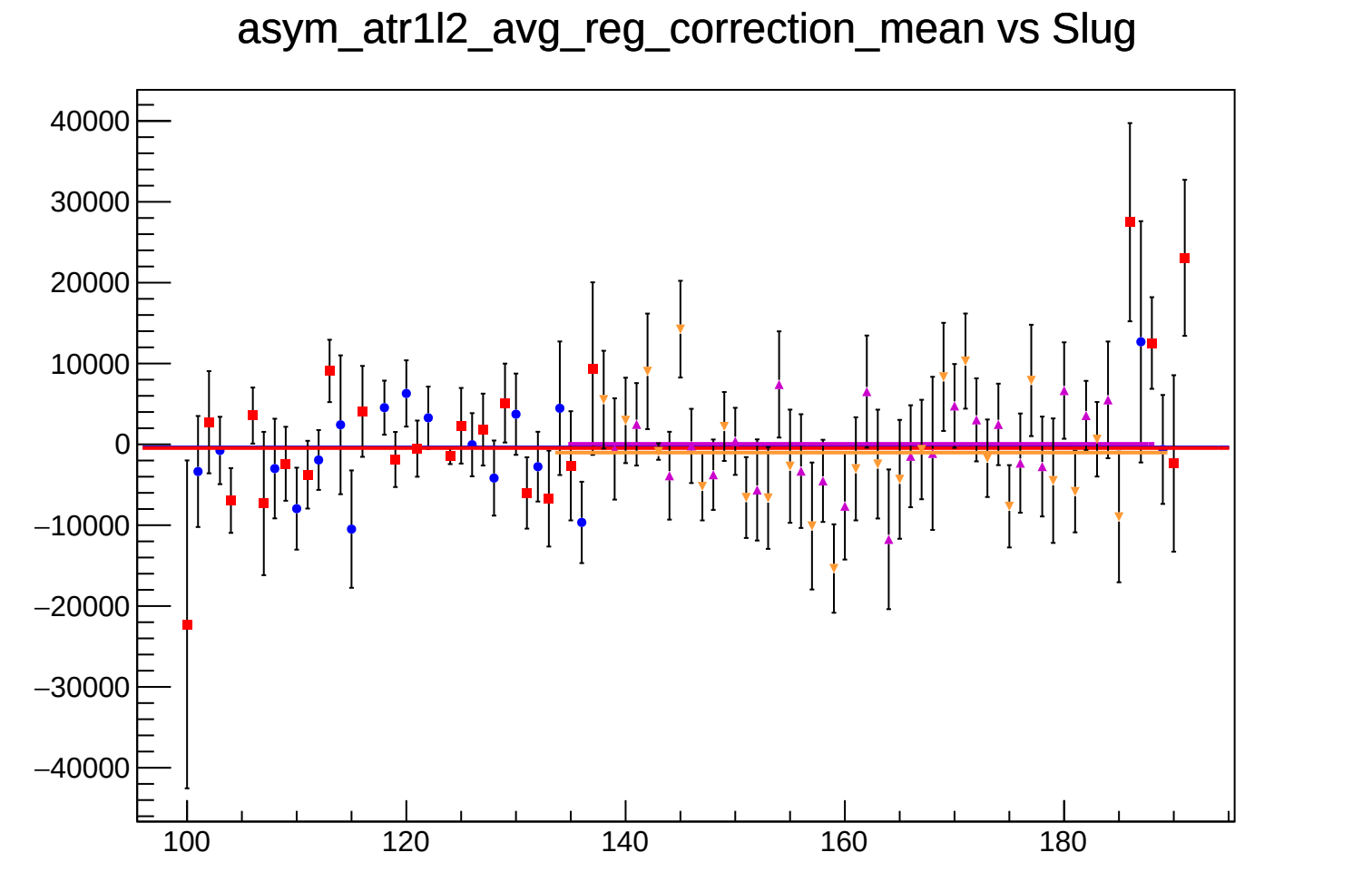
Right Out: 1767.828+/-0.420 χ^2/NDF: 638157.9/22

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1824.870+/-0.249 χ^2/NDF: 1030383.8/42

All: 1820.284+/-0.175 χ^2/NDF: 1760091.7/88

- sign 1815.804+/-0.246 χ^2/NDF: 729038.8/45



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: -456.642+/-715.096 χ^2/NDF: 36.9/22

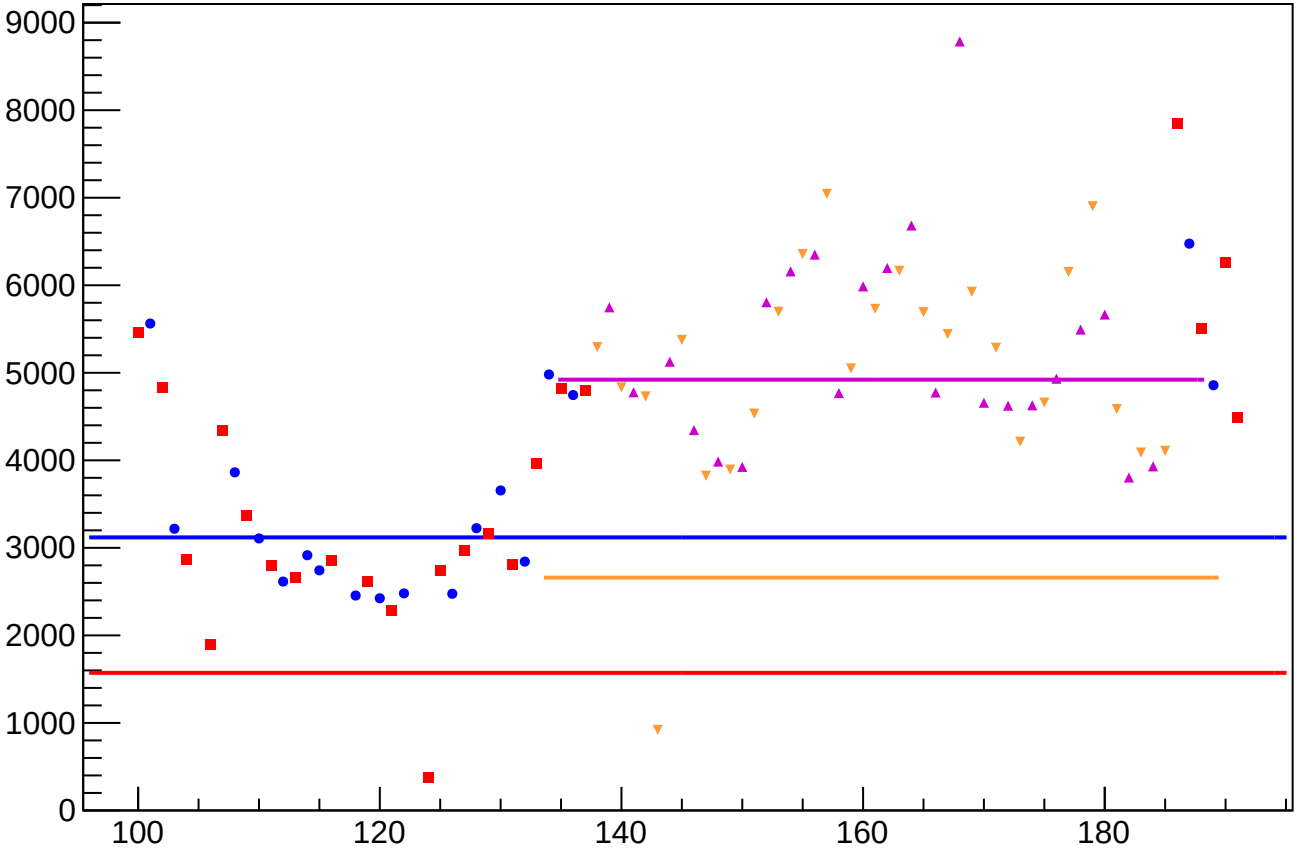
Left In: 62.369+/-1173.429 χ^2/NDF:13.0/22

\+ sign -818.603+/-641.474 χ^2/NDF: 50.7/42

All: -554.980+/-442.287 χ^2/NDF: 101.0/88

\- sign -316.090+/-610.641 χ^2/NDF: 50.0/45

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: 1572.229+/-0.506 χ^2/NDF: 8884066.6/22

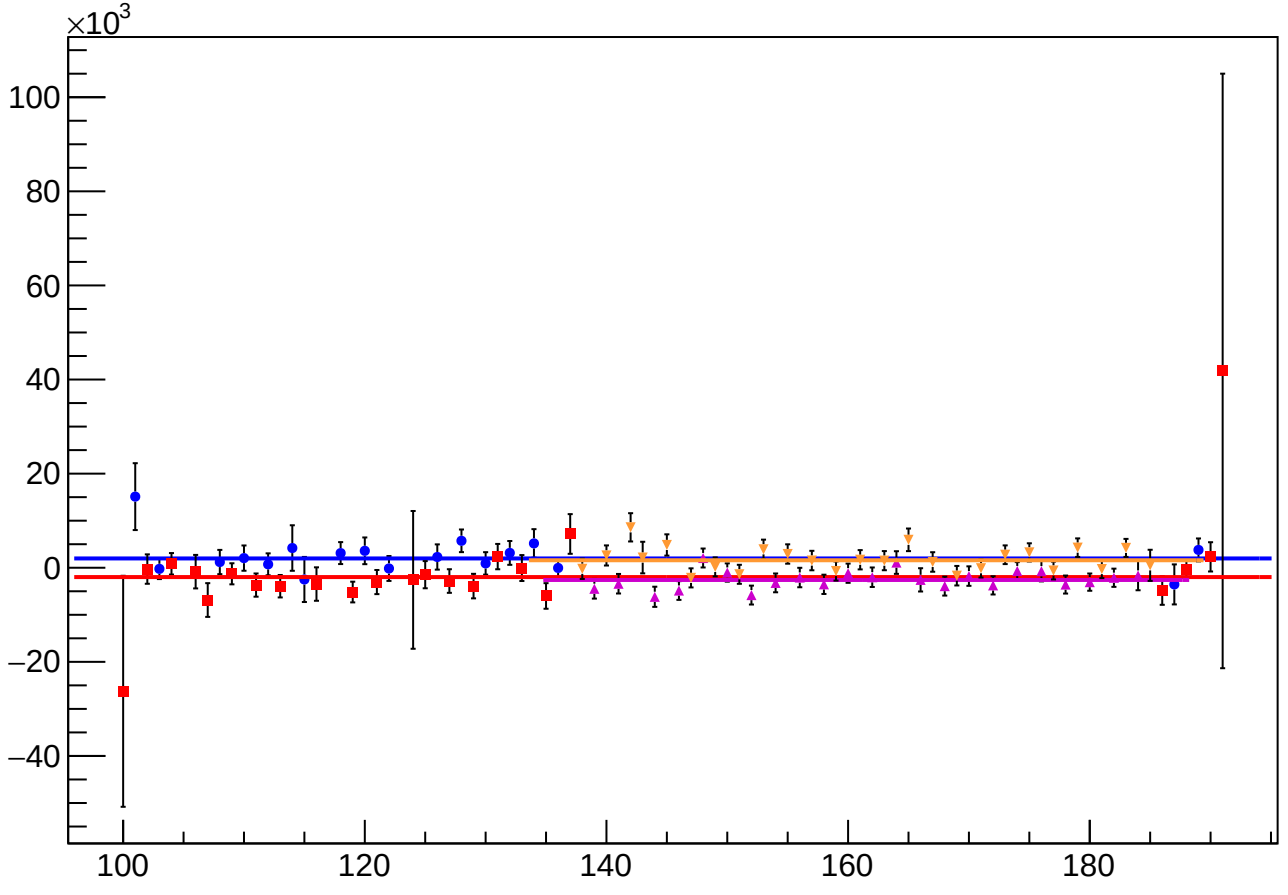
Left In: 4921.319+/-0.830 χ^2/NDF:1251123.1/22

+ sign 2802.103+/-0.454 χ^2/NDF: 15904772.3/42

All: 2632.696+/-0.313 χ^2/NDF: 38185747.4/8

- sign 2479.183+/-0.432 χ^2/NDF: 22015087.3/45

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: -1982.567+/-597.626 χ^2/NDF: 23.0/22

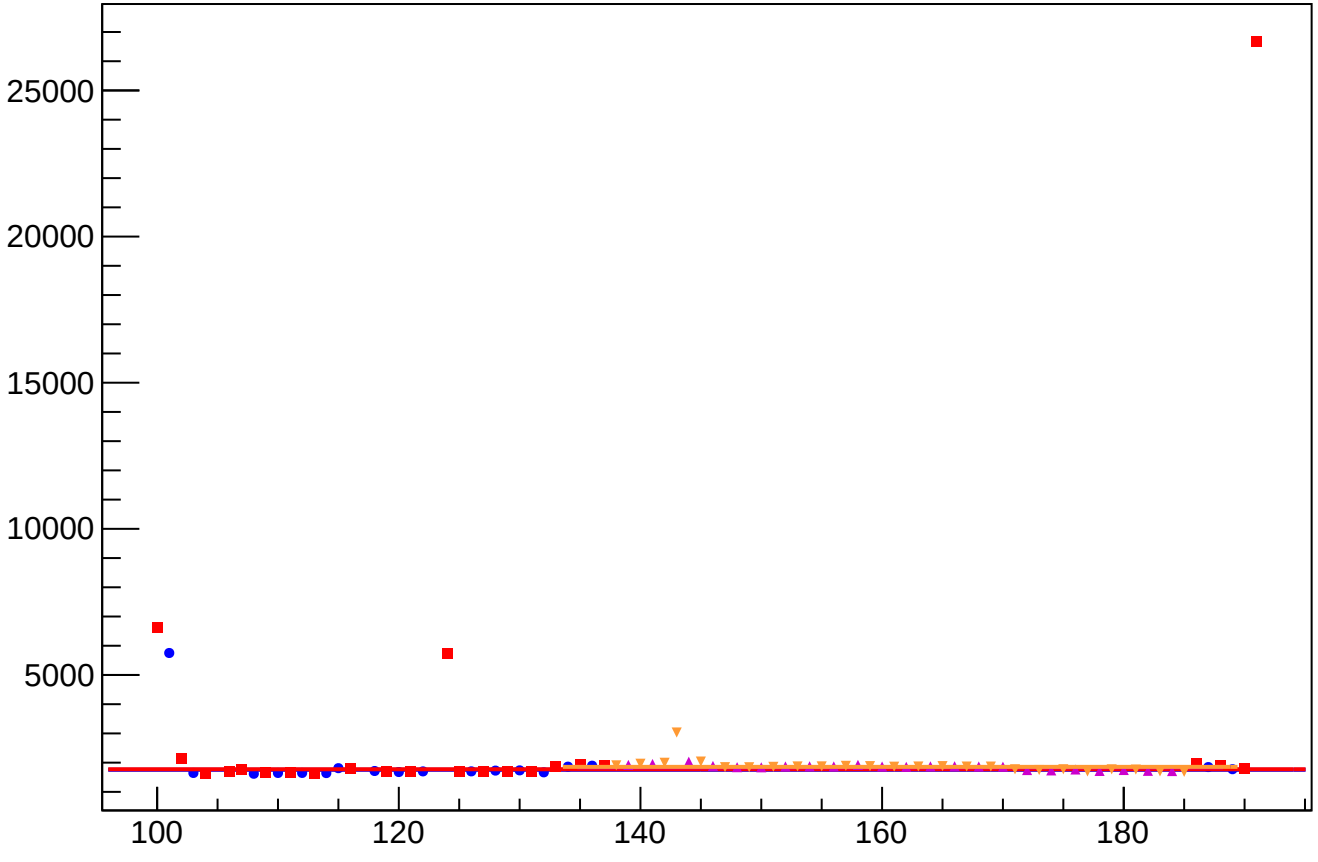
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1709.938+/-352.509 χ^2/NDF: 45.9/42

All: -358.249+/-248.082 χ^2/NDF: 157.9/88

- sign -2387.758+/-349.197 χ^2/NDF: 43.8/45

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: 1773.581+/-0.421 χ^2/NDF: 629734.5/22

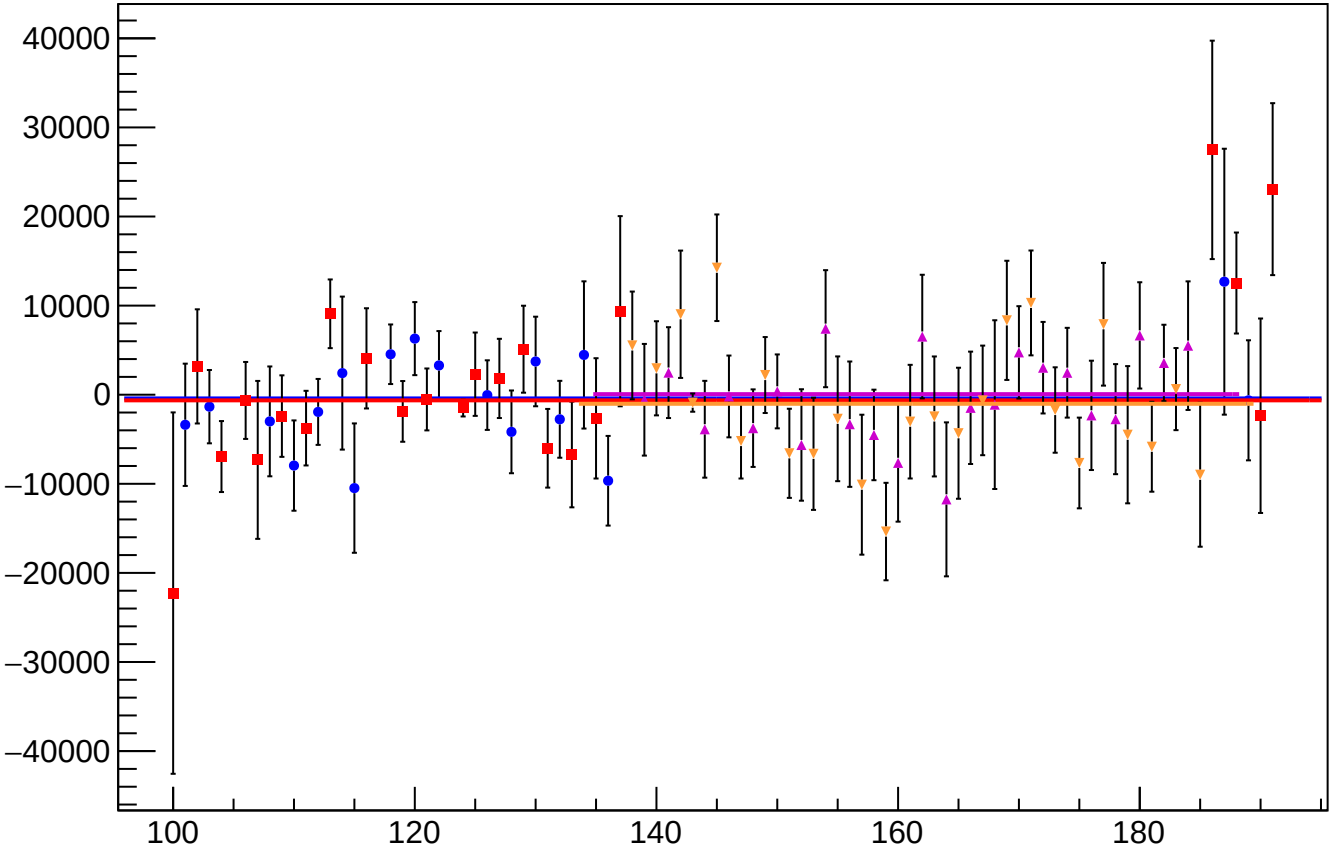
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1824.870+/-0.249 χ^2/NDF: 1030384.2/42

All: 1821.336+/-0.175 χ^2/NDF: 1748324.4/88

- sign 1817.875+/-0.247 χ^2/NDF: 717542.3/45

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: -633.034+/-720.568 χ^2/NDF: 35.6/22

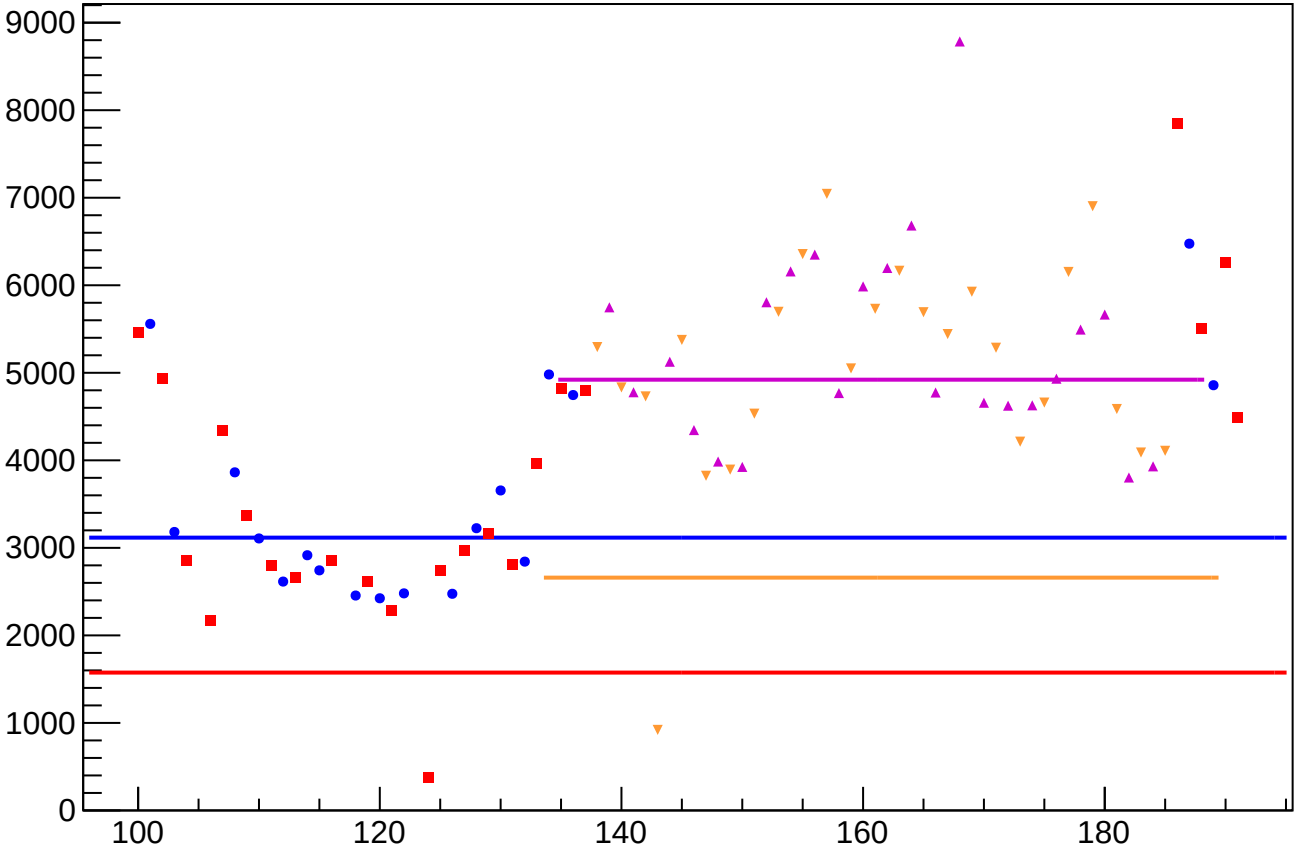
Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

+ sign -832.805+/-641.267 χ^2/NDF: 50.7/42

All: -629.262+/-443.504 χ^2/NDF: 99.7/88

- sign -442.637+/-614.037 χ^2/NDF: 48.8/45

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: 1575.099+/-0.510 χ^2/NDF: 8921045.0/22

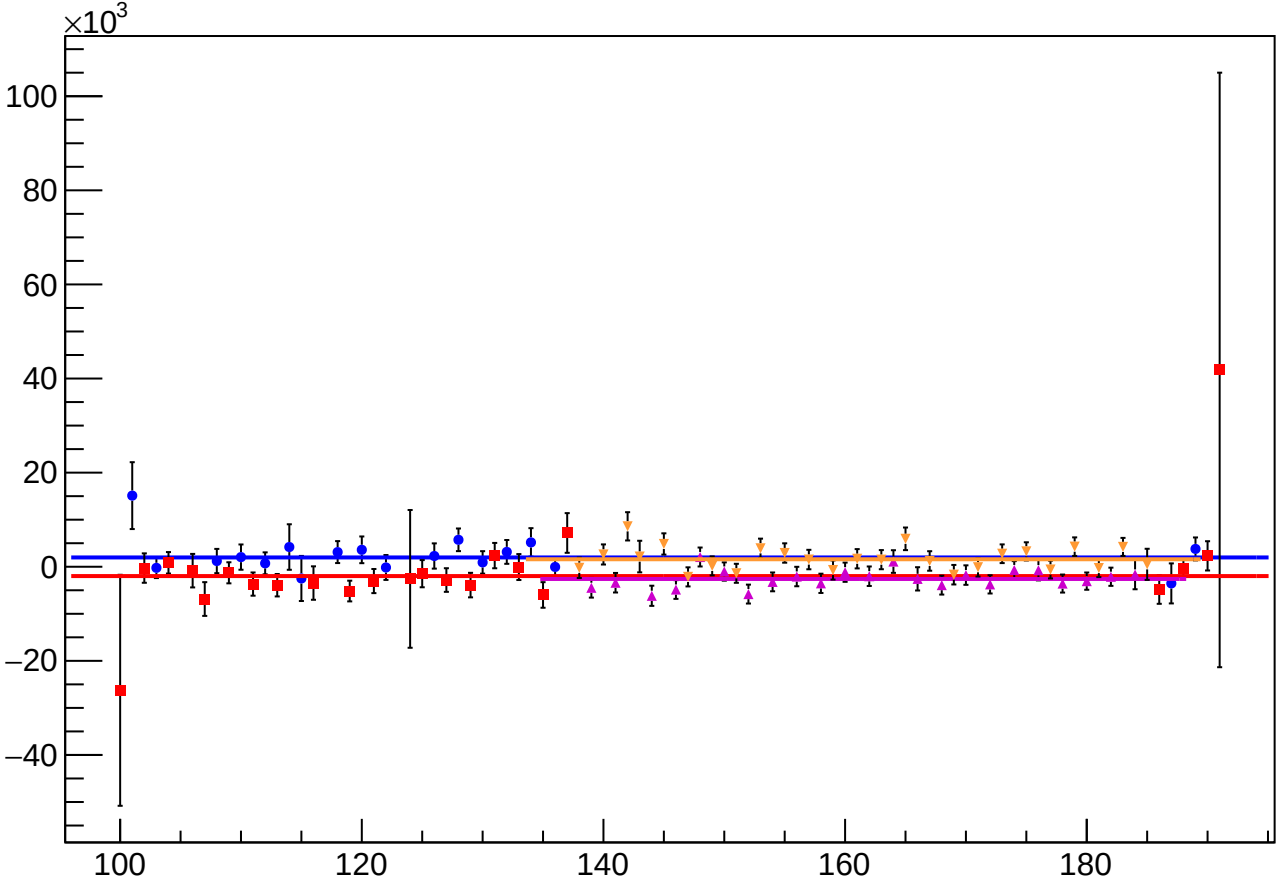
Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 2801.387+/-0.453 χ^2/NDF: 15902195.4/42

All: 2639.664+/-0.314 χ^2/NDF: 38128607.2/8

- sign 2491.383+/-0.434 χ^2/NDF: 21982579.8/45

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: -1982.567+/-597.626 χ^2/NDF: 23.0/22

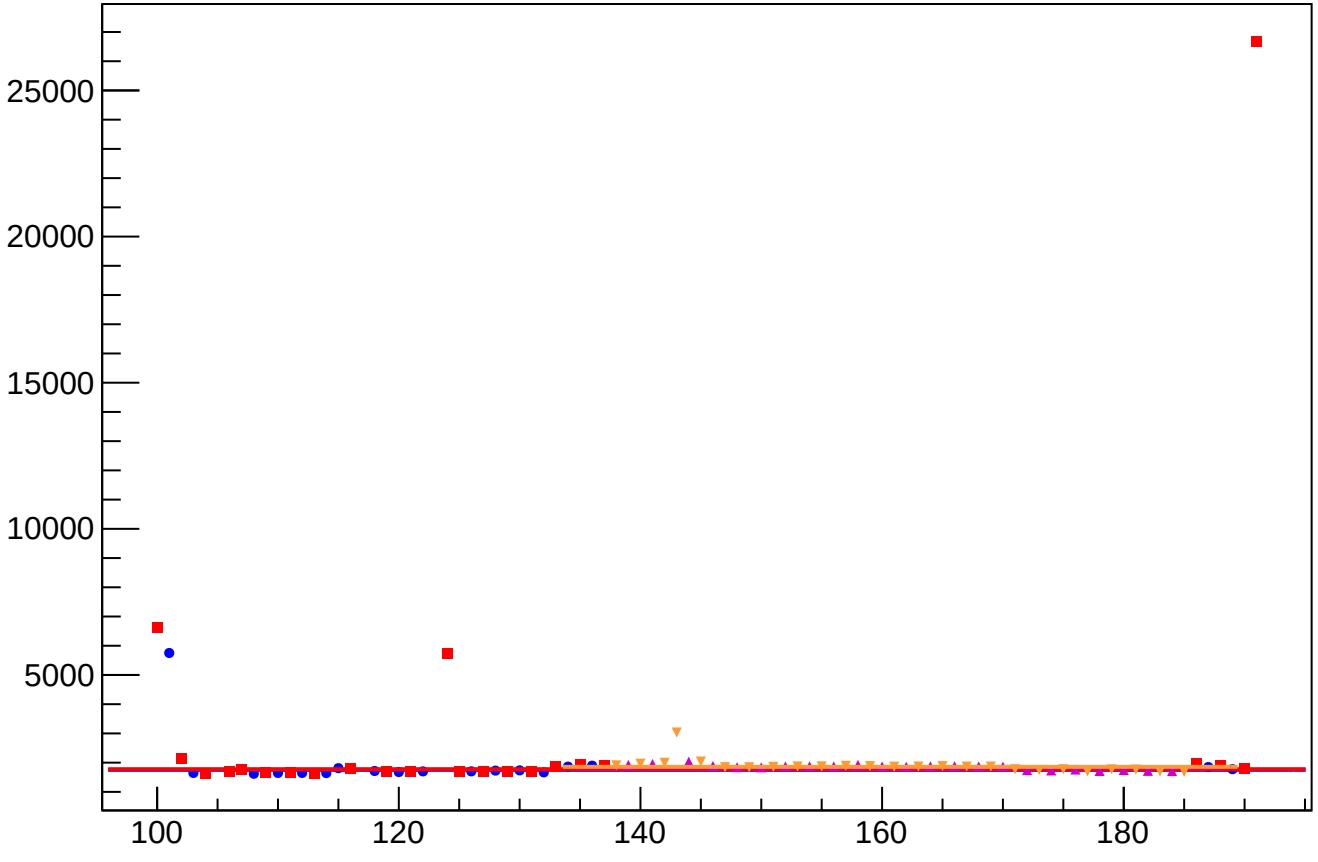
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1709.938+/-352.509 χ^2/NDF: 45.9/42

All: -358.249+/-248.082 χ^2/NDF: 157.9/88

- sign -2387.758+/-349.197 χ^2/NDF: 43.8/45

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

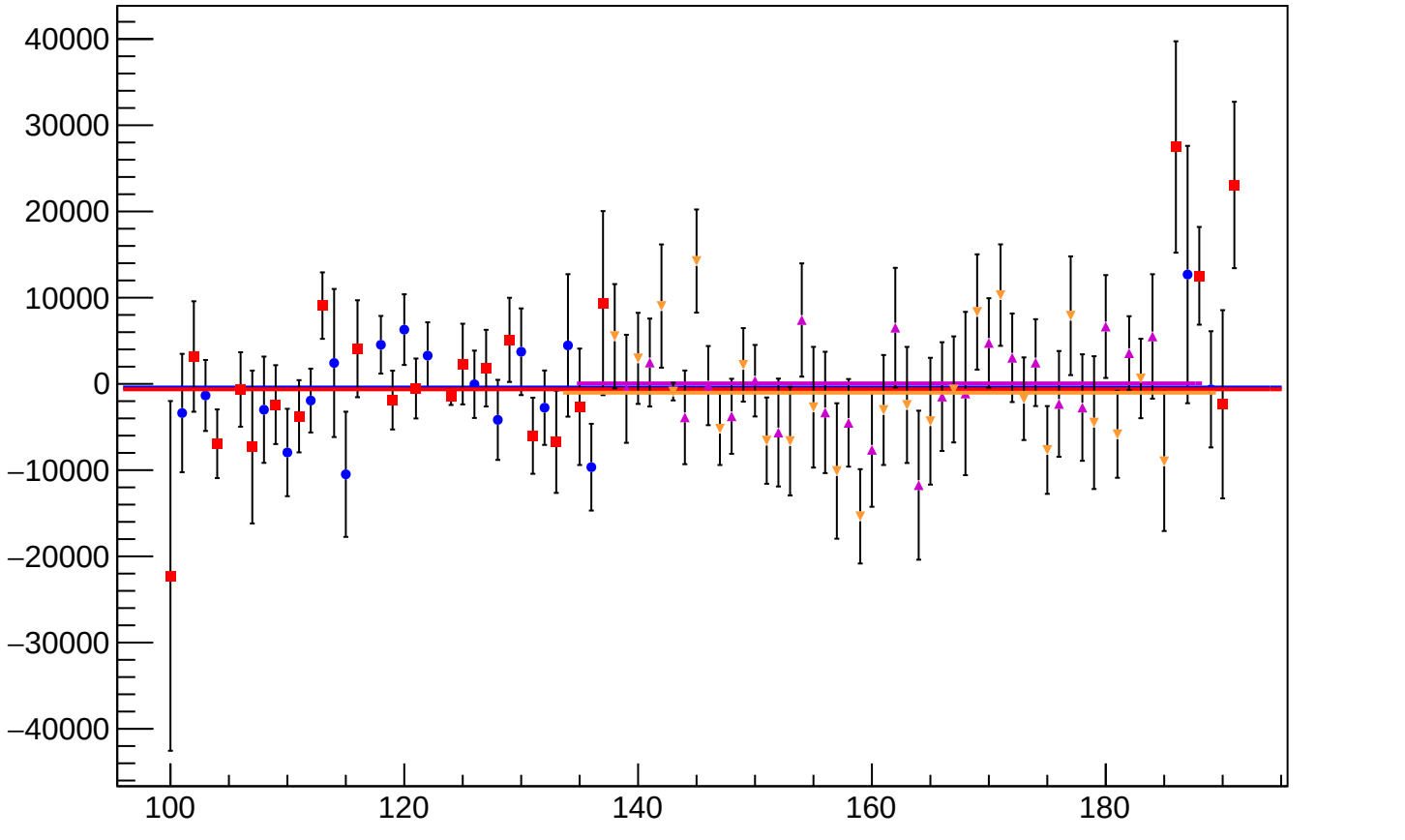
Right Out: 1773.581+/-0.421 χ^2/NDF: 629734.5/22

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1824.870+/-0.249 χ^2/NDF: 1030384.2/42

All: 1821.336+/-0.175 χ^2/NDF: 1748324.4/88

- sign 1817.875+/-0.247 χ^2/NDF: 717542.3/45



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: -633.034+/-720.568 χ^2/NDF: 35.6/22

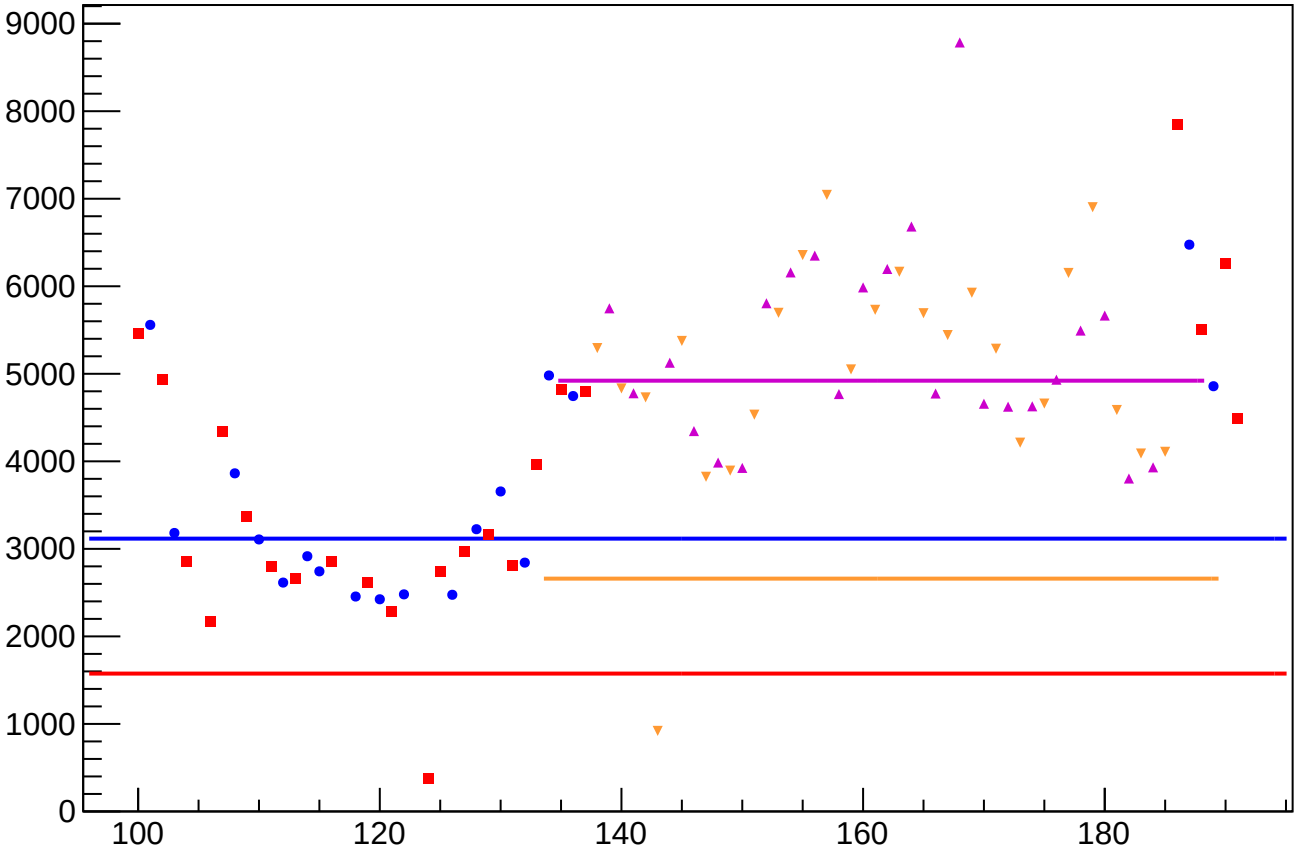
Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

+ sign -832.805+/-641.267 χ^2/NDF: 50.7/42

All: -629.262+/-443.504 χ^2/NDF: 99.7/88

- sign -442.637+/-614.037 χ^2/NDF: 48.8/45

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: 1575.099+/-0.510 χ^2/NDF: 8921045.0/22

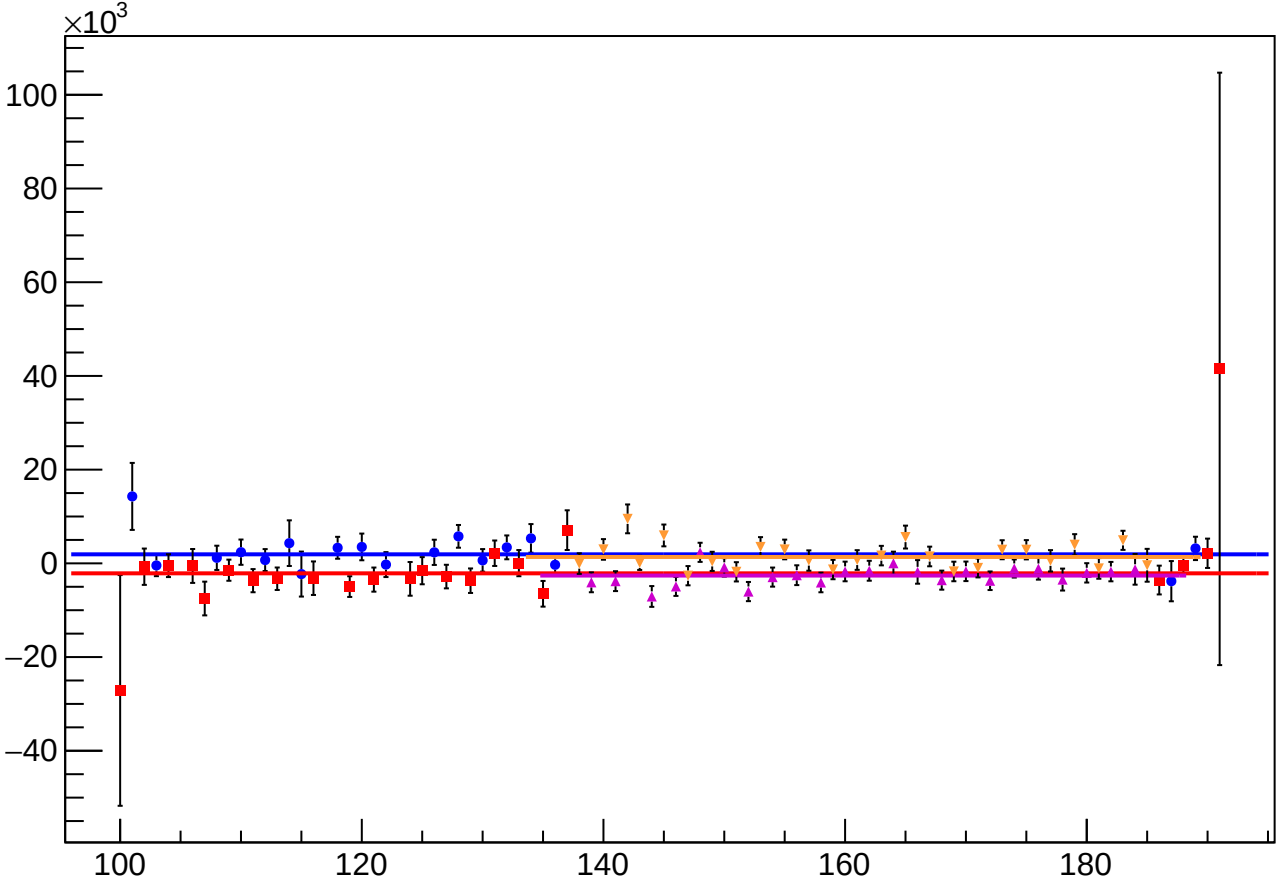
Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 2801.387+/-0.453 χ^2/NDF: 15902195.4/42

All: 2639.664+/-0.314 χ^2/NDF: 38128607.2/8

- sign 2491.383+/-0.434 χ^2/NDF: 21982579.8/45

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: -2130.682+/-599.320 χ^2/NDF: 21.0/22

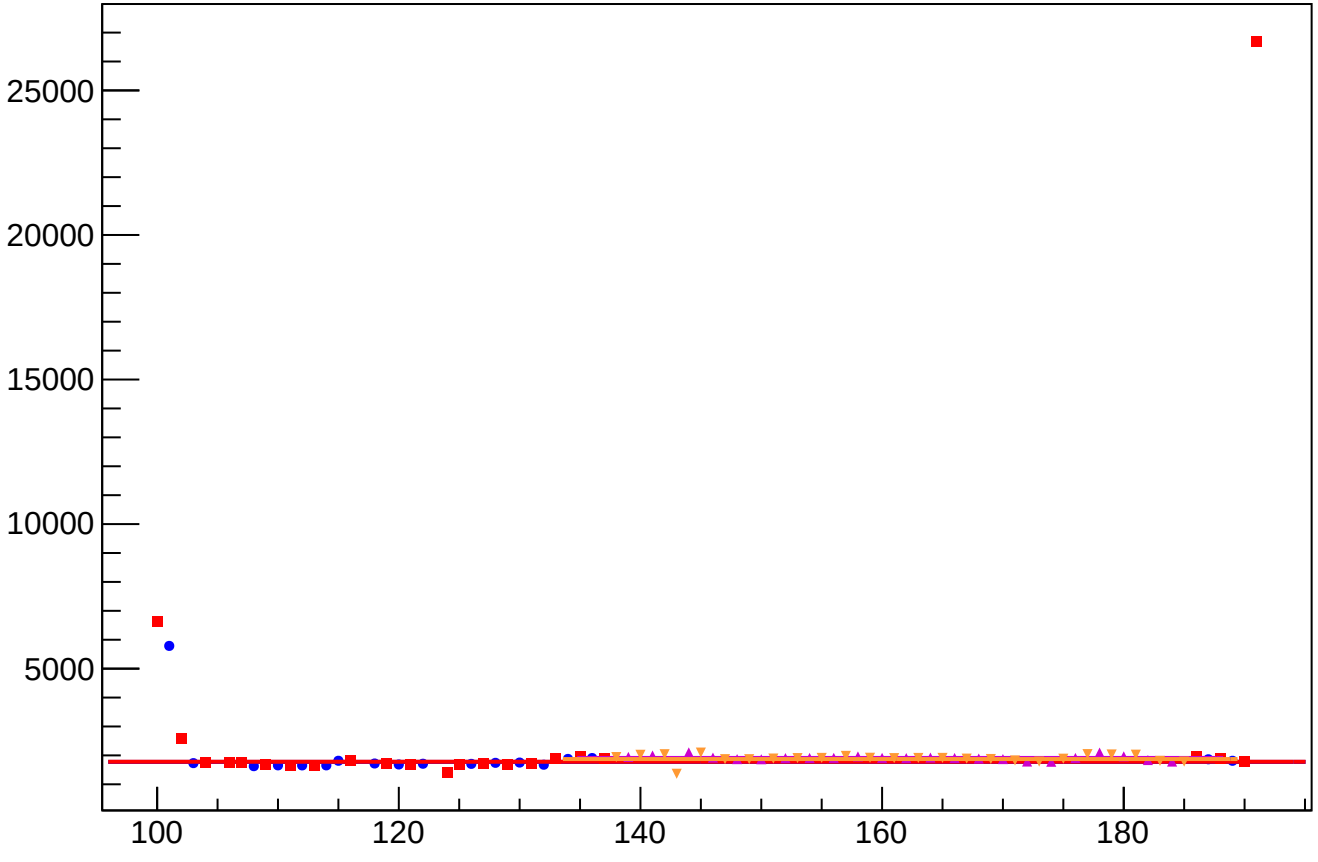
Left In: -2602.835+/-446.741 χ^2/NDF:20.0/22

+ sign 1536.304+/-355.956 χ^2/NDF: 51.1/42

All: -436.580+/-252.482 χ^2/NDF: 154.3/88

- sign -2434.192+/-358.180 χ^2/NDF: 41.4/45

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: 1780.129+/-0.423 χ^2/NDF: 551975.4/22

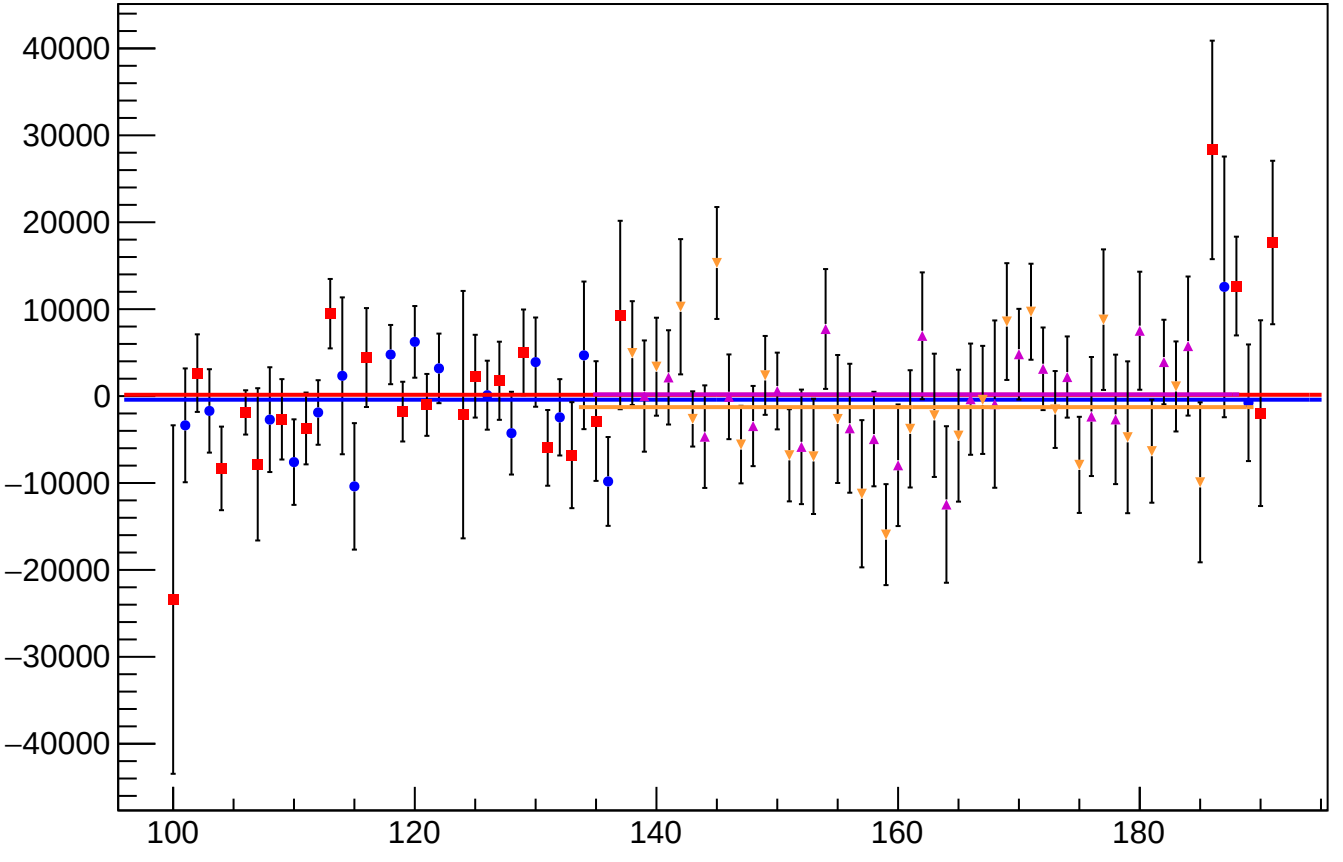
Left In: 1911.423+/-0.316 χ^2/NDF:59139.8/22

+ sign 1842.703+/-0.252 χ^2/NDF: 1011854.8/42

All: 1853.490+/-0.178 χ^2/NDF: 1688540.0/88

- sign 1864.395+/-0.253 χ^2/NDF: 672991.7/45

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: 149.512+/-1036.008 χ^2/NDF: 32.9/22

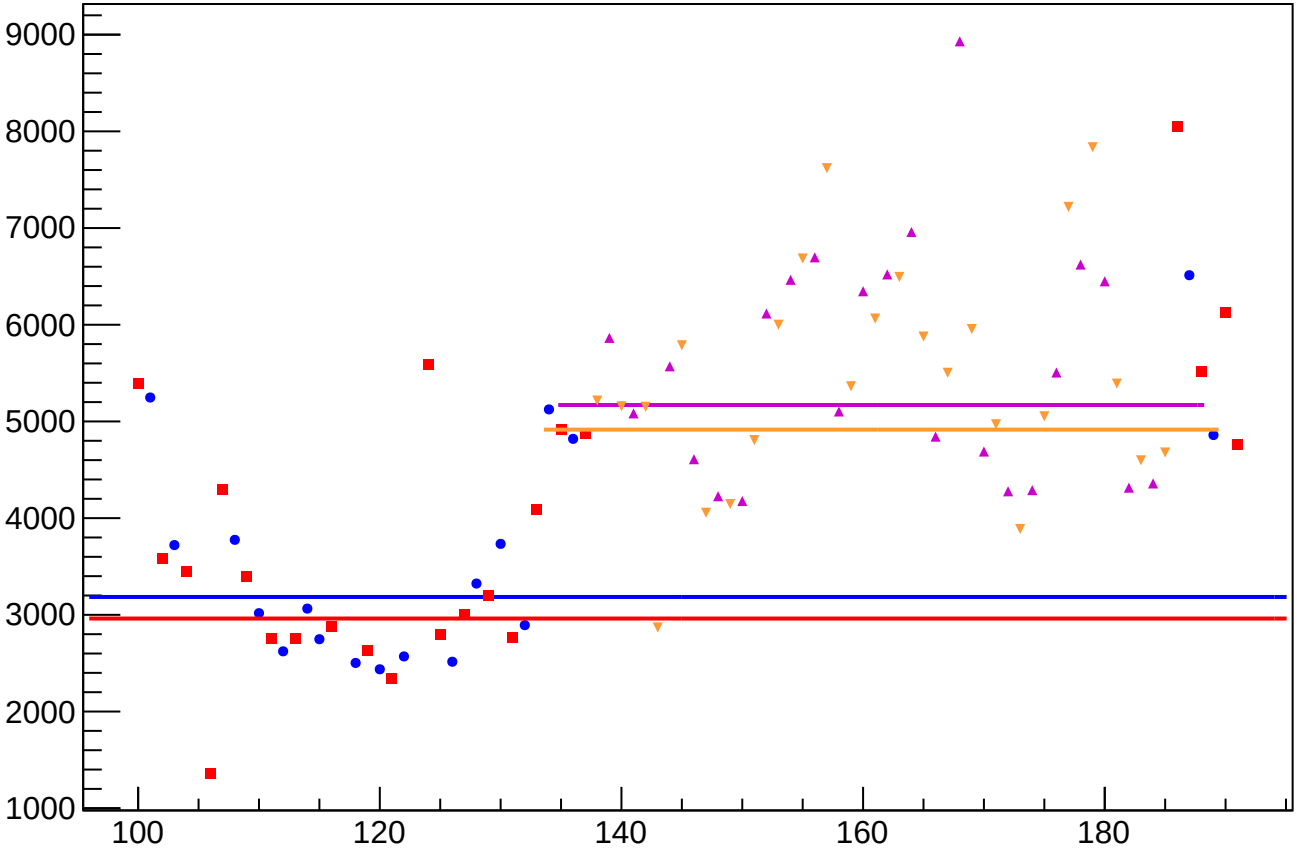
Left In: 196.917+/-1234.538 χ^2/NDF:12.7/22

+ sign -850.445+/-824.511 χ^2/NDF: 50.2/42

All: -321.199+/-571.773 χ^2/NDF: 96.6/88

- sign 169.101+/-793.594 χ^2/NDF: 45.6/45

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: 2961.899+/-0.733 χ^2/NDF: 2386510.0/22

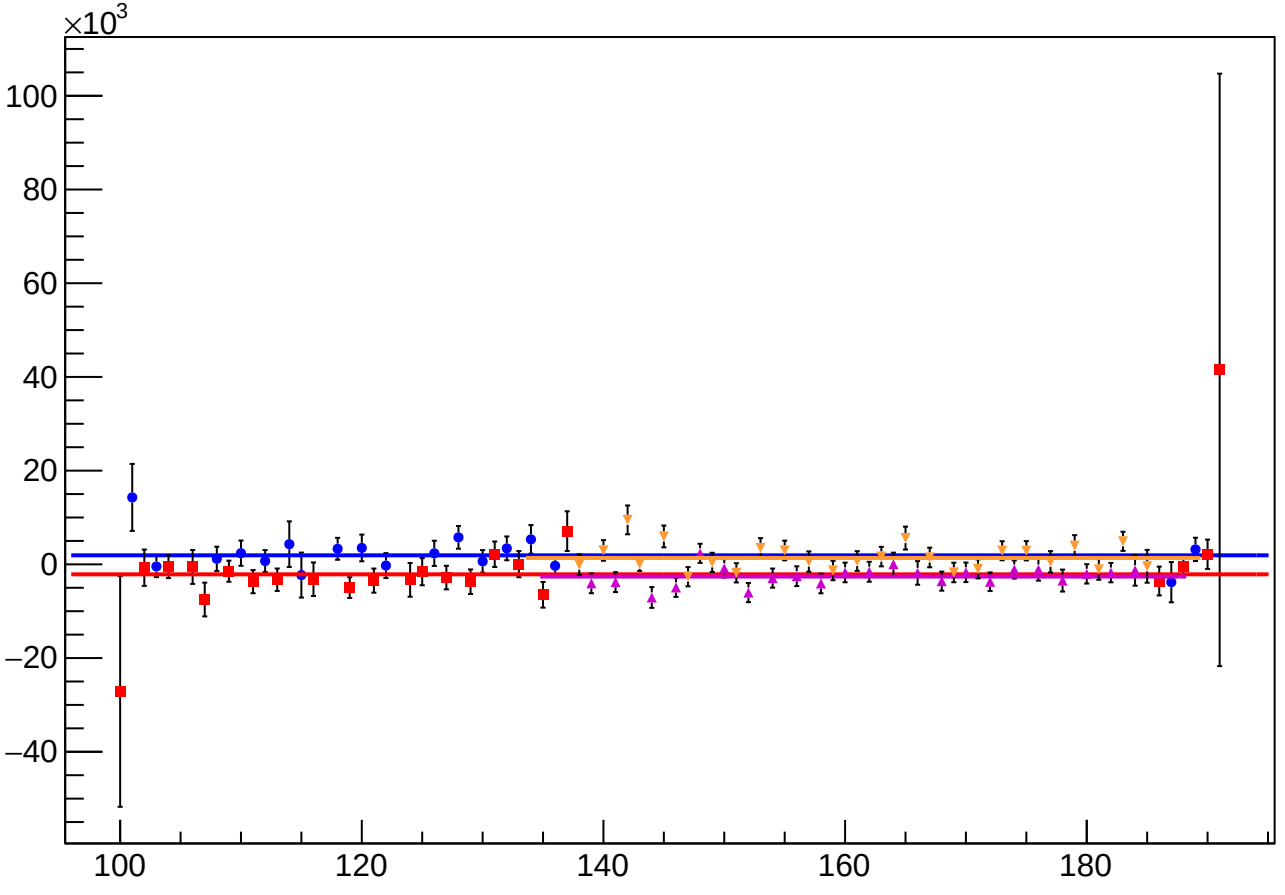
Left In: 5170.028+/-0.873 χ^2/NDF:1348711.3/22

+ sign 4064.915+/-0.583 χ^2/NDF: 5481977.7/42

All: 3965.996+/-0.404 χ^2/NDF: 13027053.7/8

- sign 3874.356+/-0.561 χ^2/NDF: 7489620.3/45

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: -2130.683+/-599.320 χ^2/NDF: 21.0/22

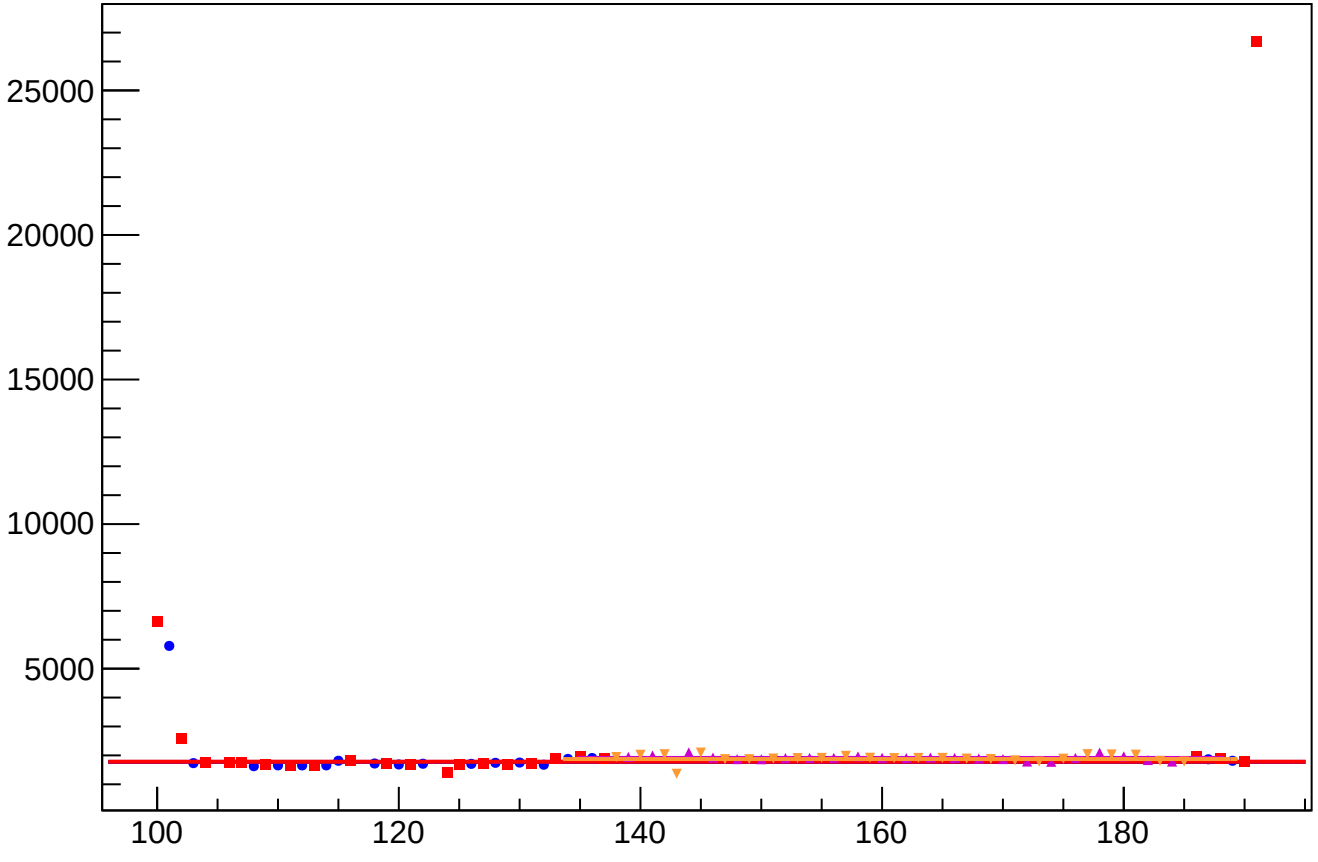
Left In: -2602.834+/-446.742 χ^2/NDF:20.0/22

+ sign 1536.303+/-355.956 χ^2/NDF: 51.1/42

All: -436.581+/-252.482 χ^2/NDF: 154.3/88

- sign -2434.191+/-358.180 χ^2/NDF: 41.4/45

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: 1780.129+/-0.423 χ^2/NDF: 551975.3/22

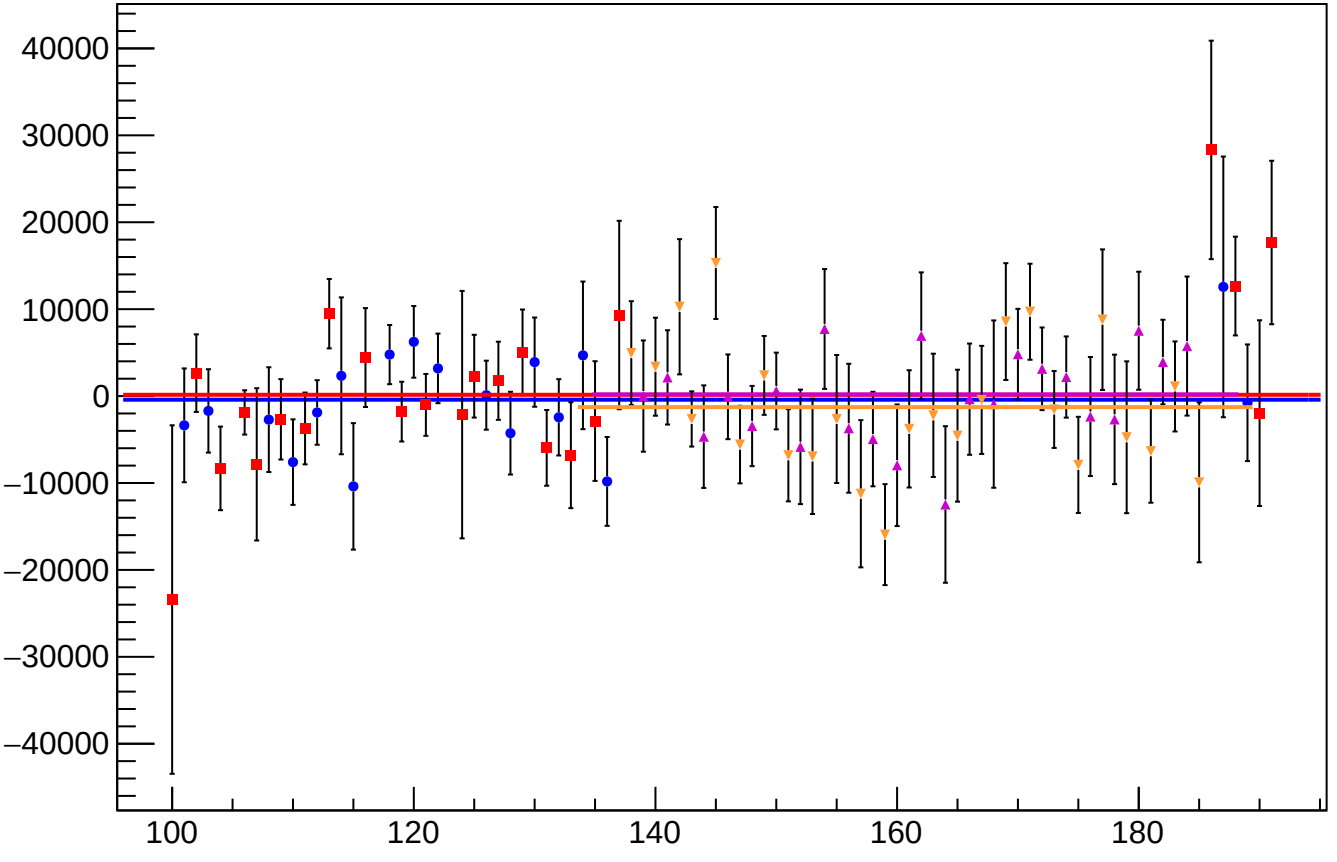
Left In: 1911.425+/-0.316 χ^2/NDF:59142.0/22

+ sign 1842.704+/-0.252 χ^2/NDF: 1011859.0/42

All: 1853.490+/-0.178 χ^2/NDF: 1688547.4/88

- sign 1864.395+/-0.253 χ^2/NDF: 672995.0/45

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: 149.503+/-1036.005 χ^2/NDF: 32.9/22

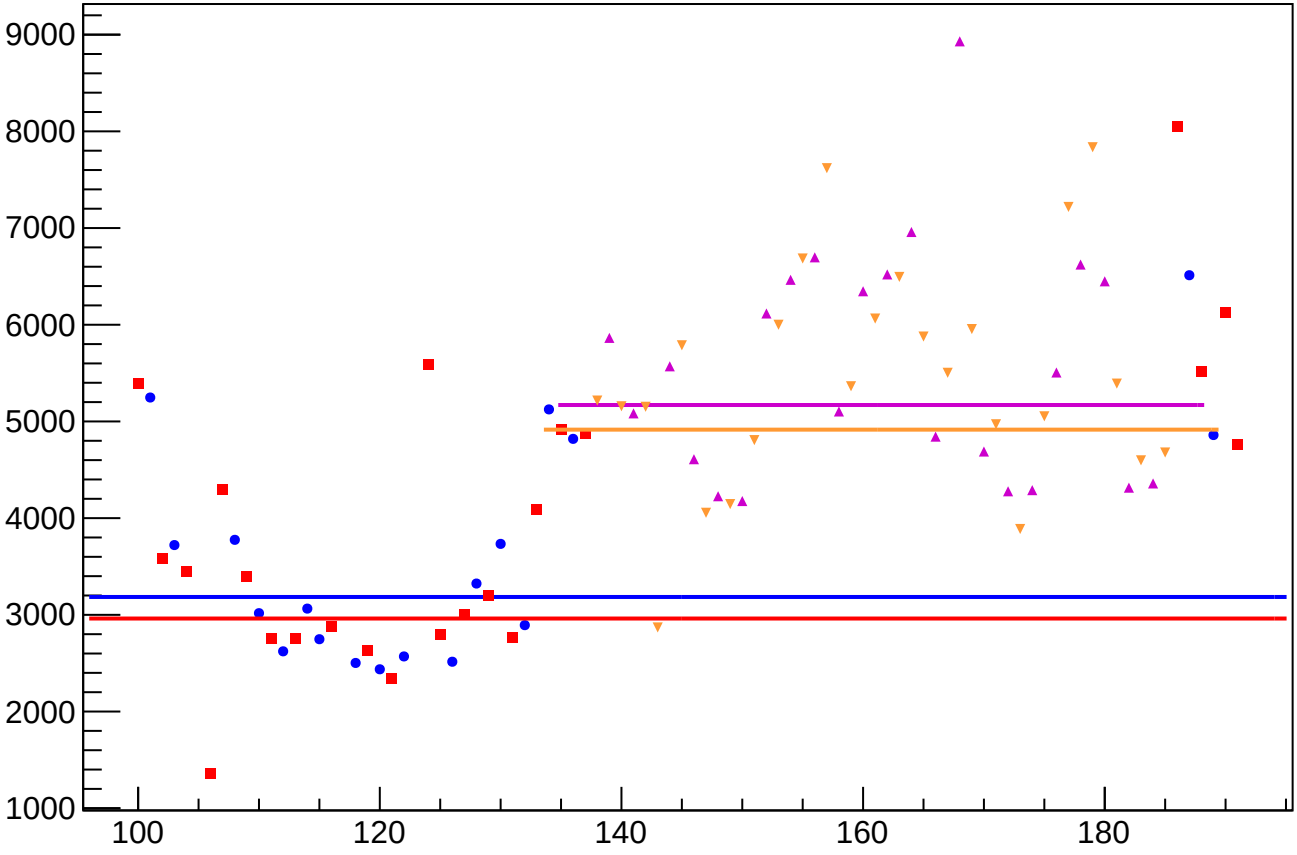
Left In: 196.918+/-1234.540 χ^2/NDF:12.7/22

+ sign -850.443+/-824.510 χ^2/NDF: 50.2/42

All: -321.200+/-571.773 χ^2/NDF: 96.6/88

- sign 169.096+/-793.593 χ^2/NDF: 45.6/45

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

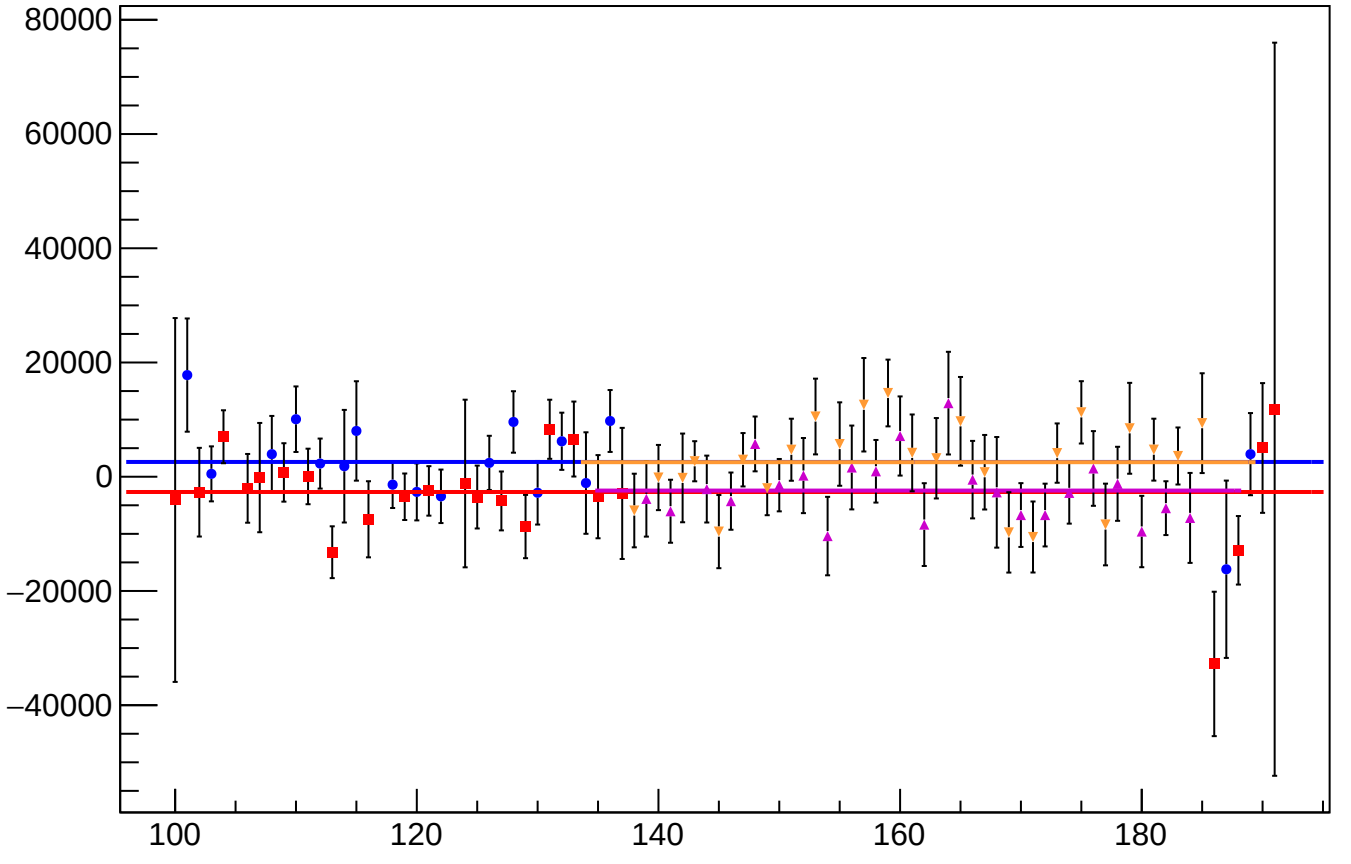
Right Out: 2961.885+/-0.733 χ^2/NDF: 2386538.1/22

Left In: 5170.035+/-0.873 χ^2/NDF:1348713.2/22

+ sign 4064.909+/-0.583 χ^2/NDF: 5482046.2/42

All: 3965.987+/-0.404 χ^2/NDF: 13027230.9/8

- sign 3874.346+/-0.561 χ^2/NDF: 7489726.6/45



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: -2671.957+/-1285.830 χ^2/NDF: 28.1/22

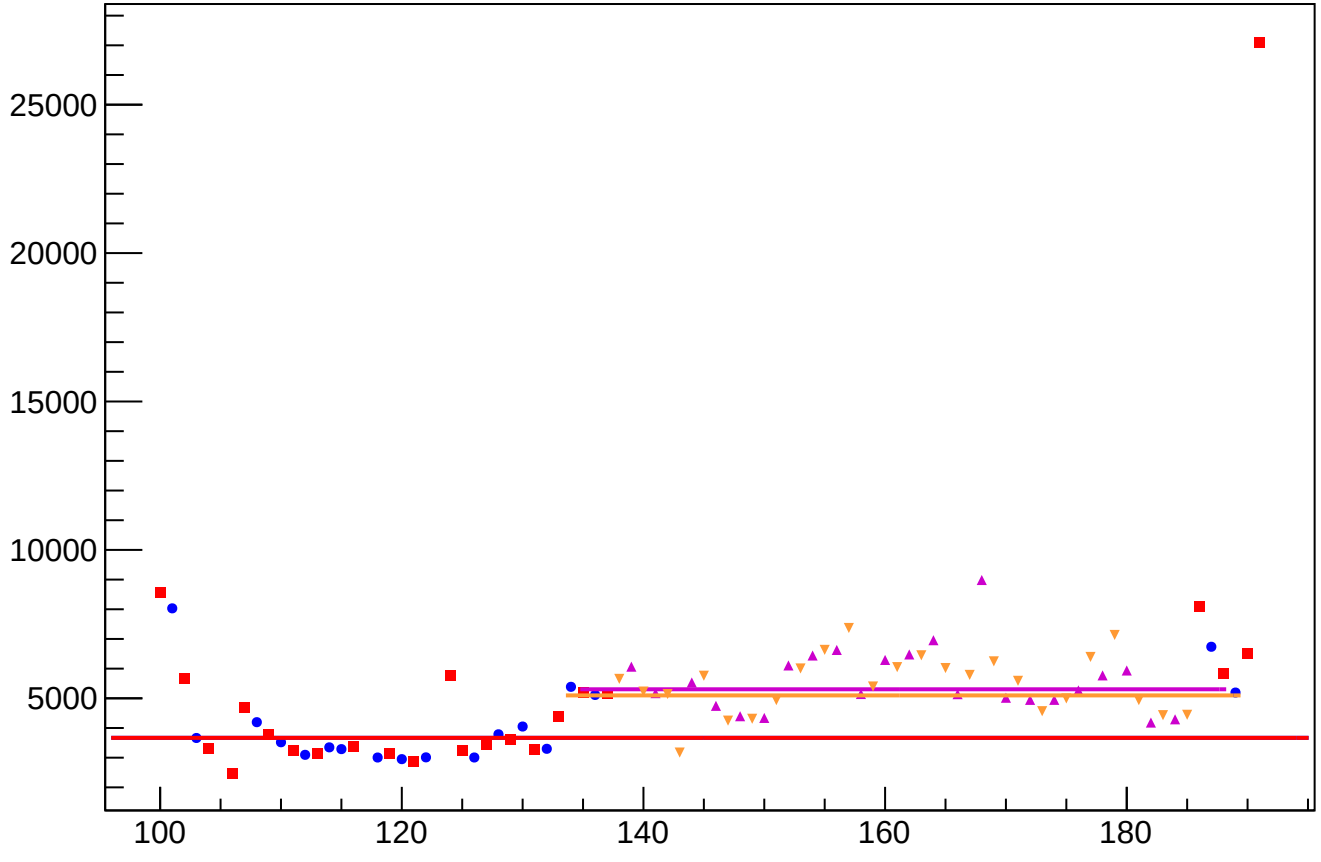
Left In: -2423.016+/-1259.653 χ^2/NDF:15.0/22

+ sign 2564.632+/-891.722 χ^2/NDF: 44.0/42

All: 32.954+/-633.387 χ^2/NDF: 103.4/88

- sign -2544.927+/-899.822 χ^2/NDF: 43.1/45

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: 3668.048+/-0.896 χ^2/NDF: 1614713.2/22

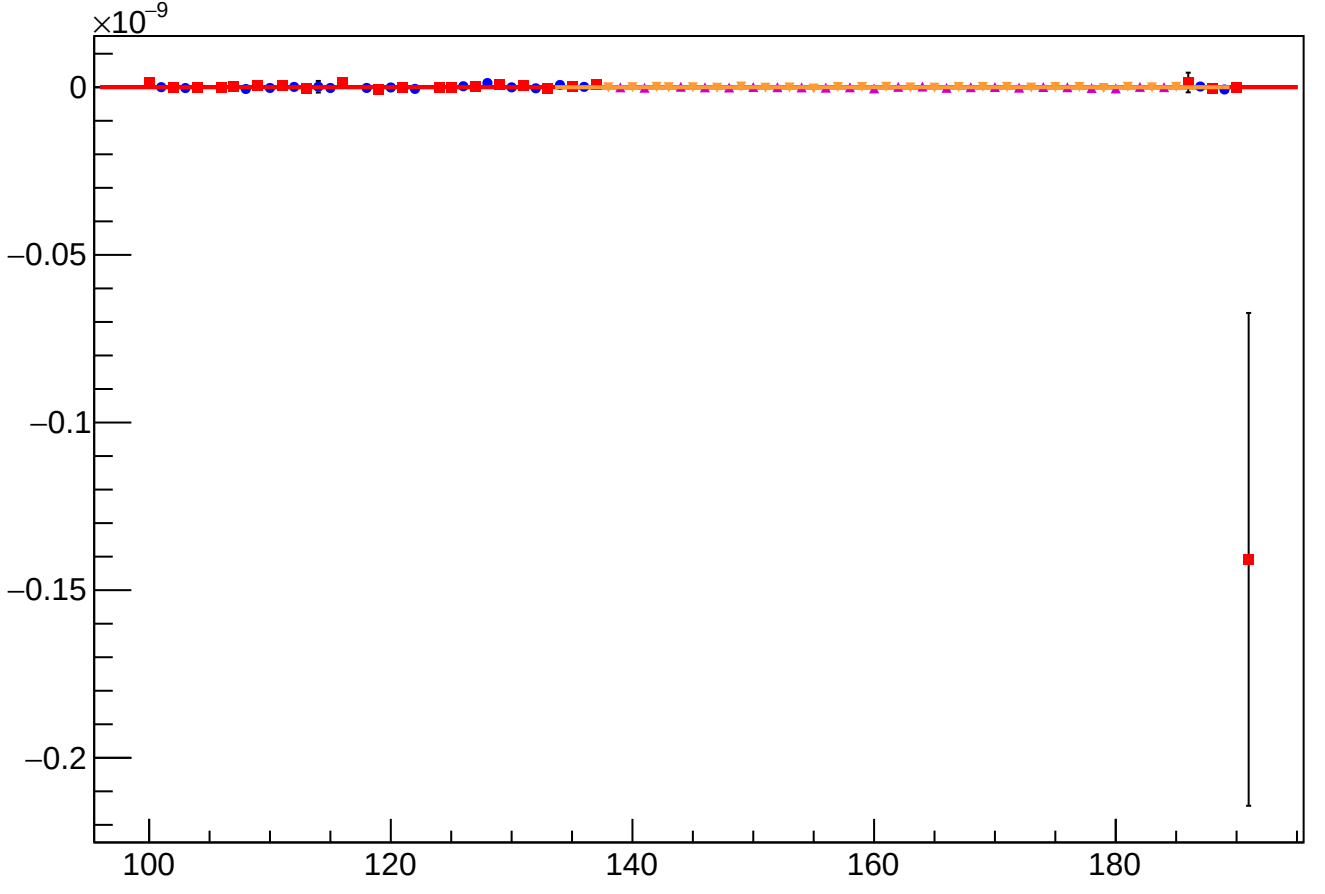
Left In: 5304.171+/-0.891 χ^2/NDF:1017974.6/22

+ sign 4474.488+/-0.631 χ^2/NDF: 3827948.9/42

All: 4482.864+/-0.446 χ^2/NDF: 8137398.6/88

- sign 4491.273+/-0.632 χ^2/NDF: 4309096.1/45

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: 28.9/22

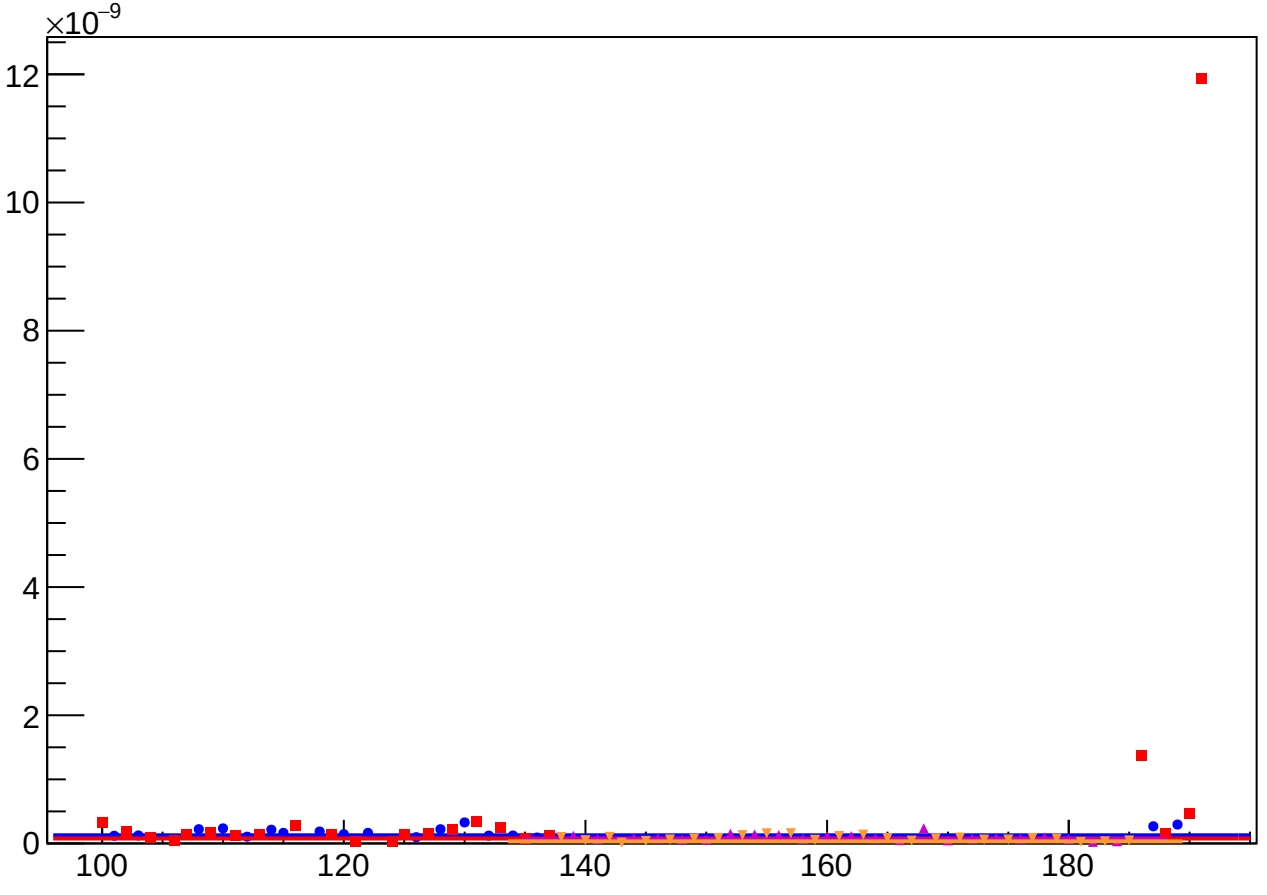
Left In: 0.000+/-0.000 χ^2/NDF:22.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 34.7/42

All: 0.000+/-0.000 χ^2/NDF: 86.7/88

- sign 0.000+/-0.000 χ^2/NDF: 51.9/45

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: 3027459.4/22

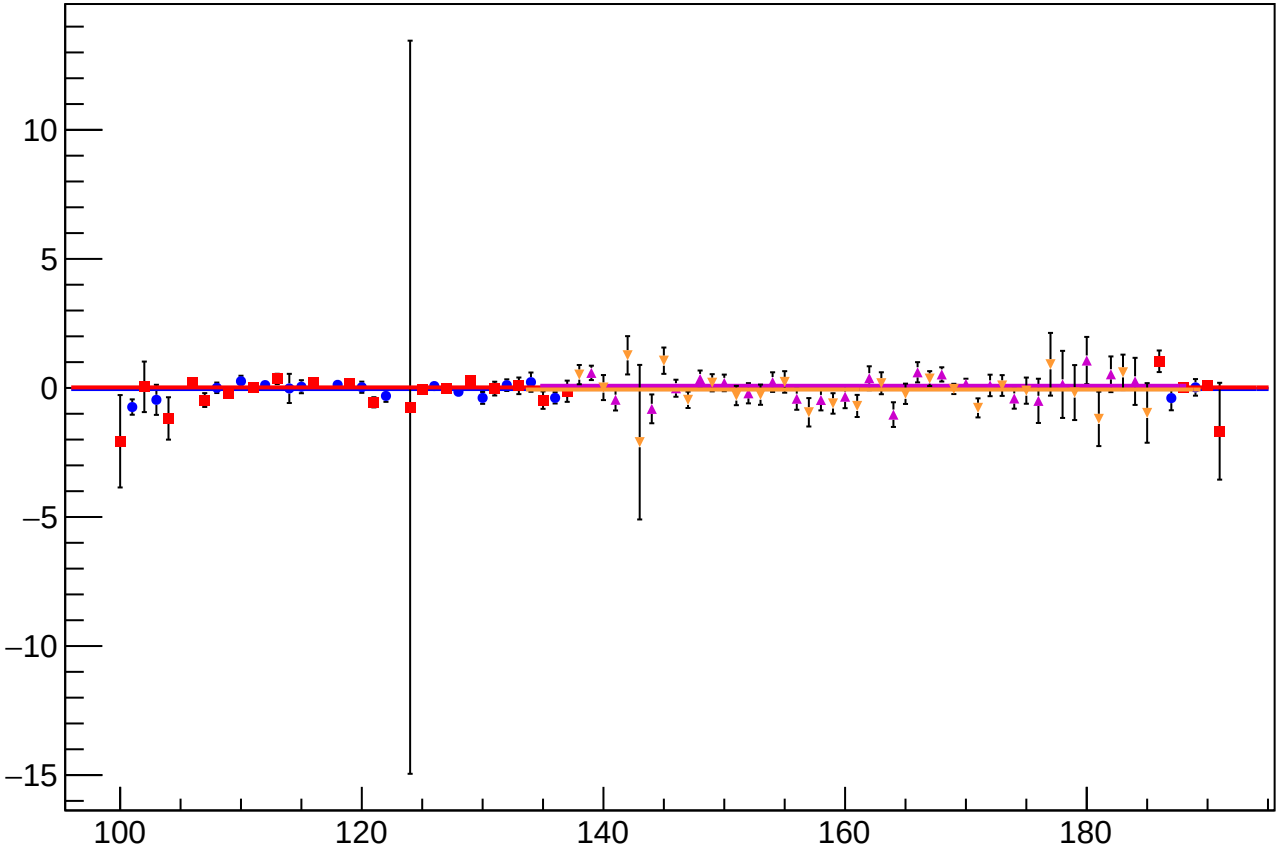
Left In: 0.000+/-0.000 χ^2/NDF:2448729.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 10225343.2/42

All: 0.000+/-0.000 χ^2/NDF: 18008489.8/88

- sign 0.000+/-0.000 χ^2/NDF: 5525417.3/45

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: 0.021+/-0.045 χ^2/NDF: 35.7/22

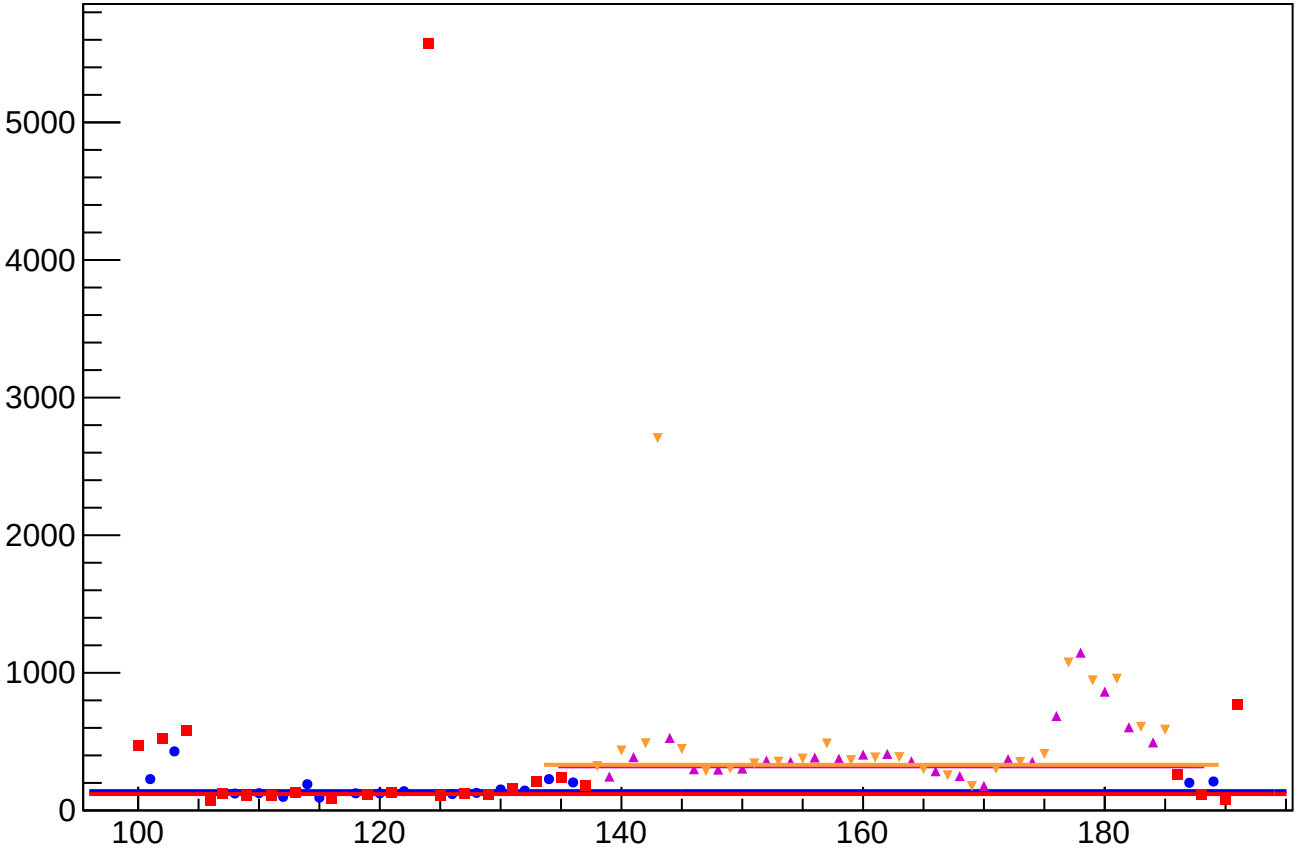
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.048+/-0.046 χ^2/NDF: 49.3/42

All: 0.000+/-0.030 χ^2/NDF: 114.4/88

- sign 0.036+/-0.040 χ^2/NDF: 63.2/45

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: 118.905+/-0.032 χ^2/NDF: 2735512.0/22

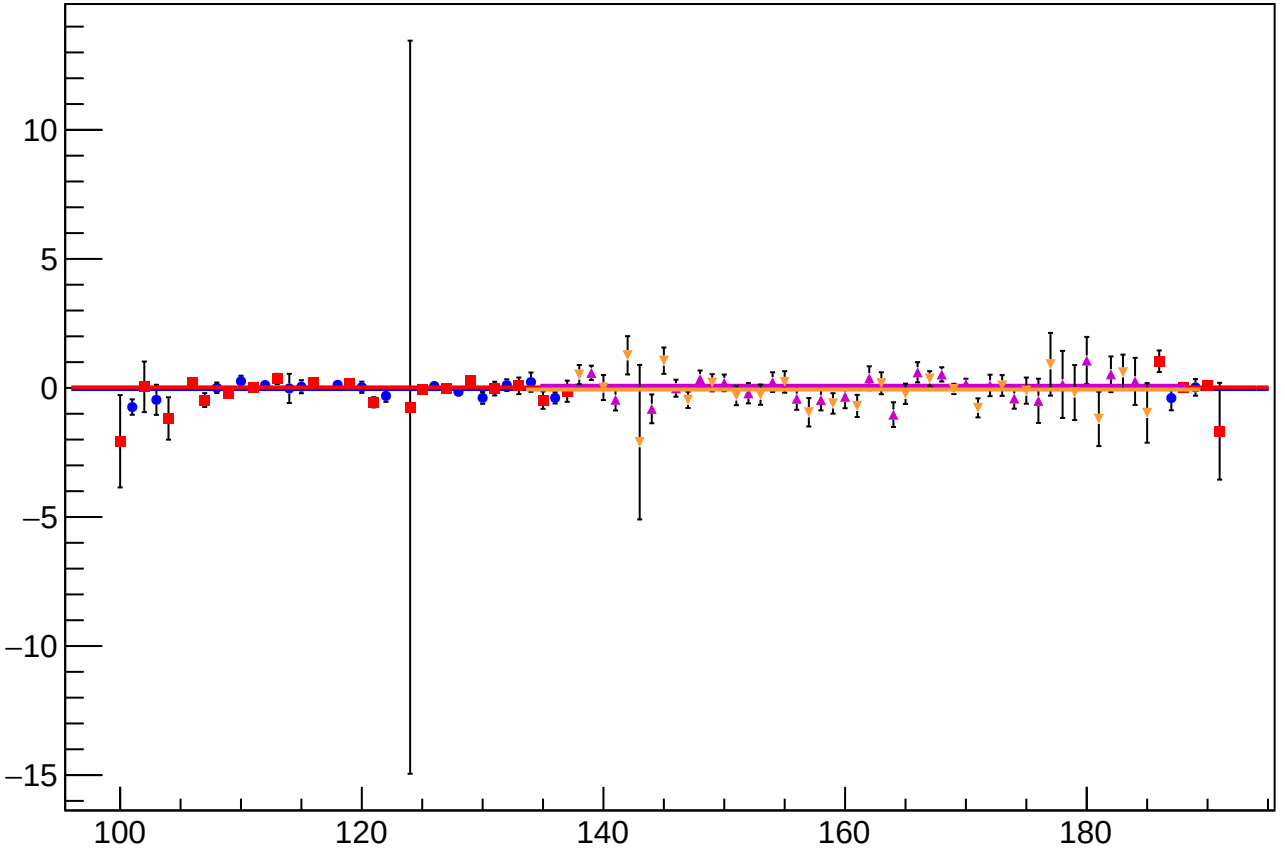
Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 197.510+/-0.032 χ^2/NDF: 14566805.4/42

All: 179.959+/-0.021 χ^2/NDF: 31500002.8/88

- sign 166.843+/-0.028 χ^2/NDF: 16418813.3/45

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: 0.021+/-0.045 χ^2/NDF: 35.7/22

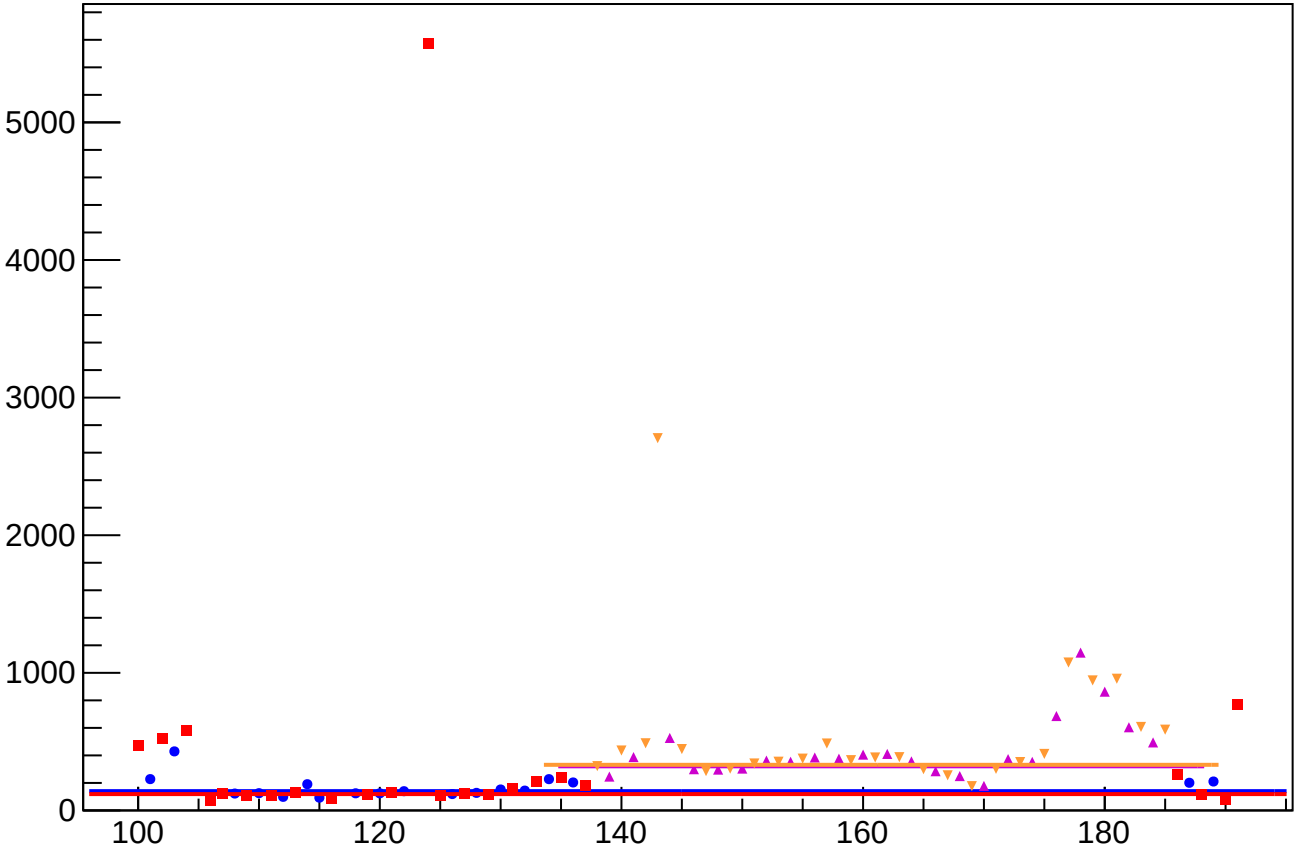
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.048+/-0.046 χ^2/NDF: 49.3/42

All: 0.000+/-0.030 χ^2/NDF: 114.4/88

- sign 0.036+/-0.040 χ^2/NDF: 63.2/45

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

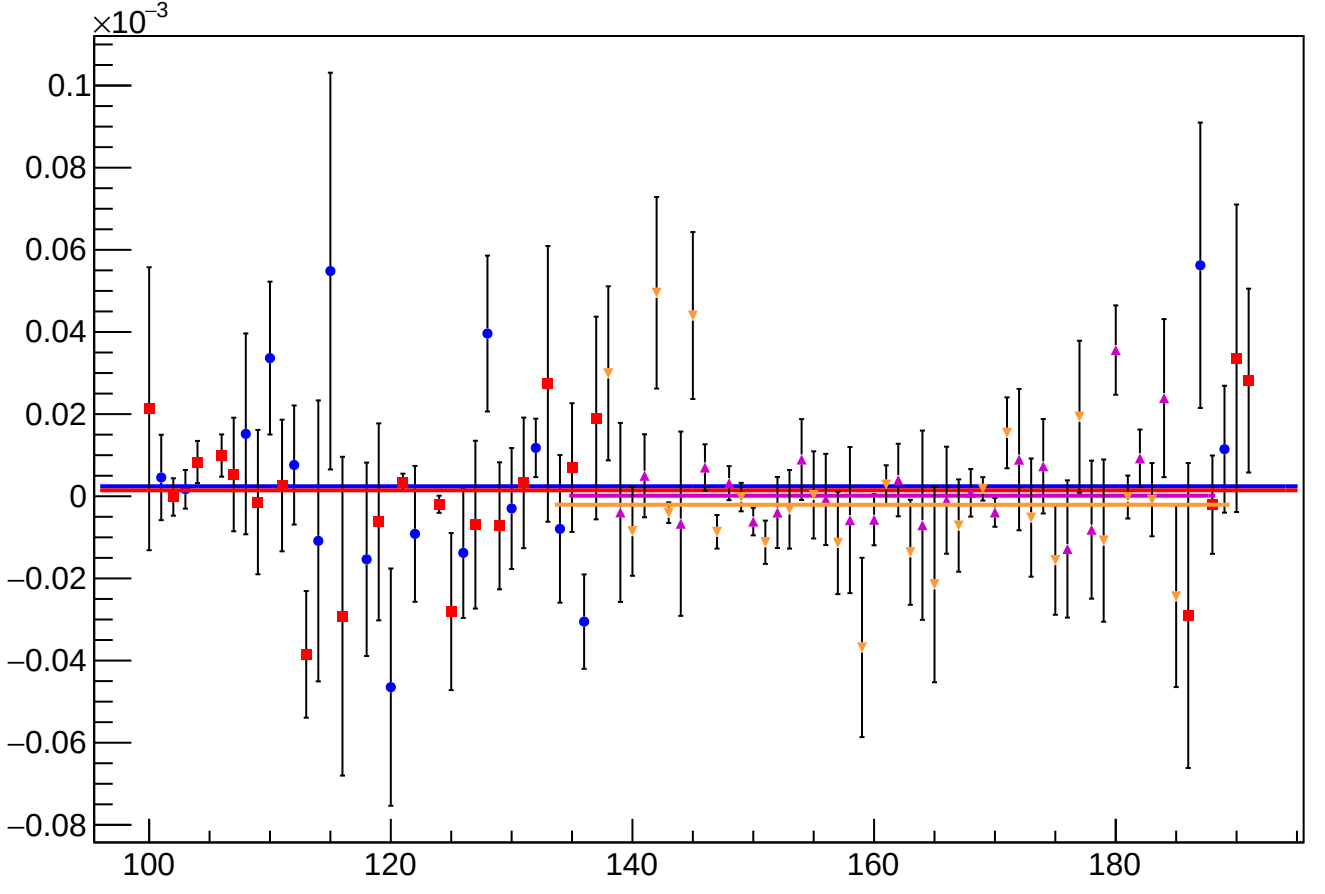
Right Out: 118.905+/-0.032 χ^2/NDF: 2735512.0/22

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 197.510+/-0.032 χ^2/NDF: 14566805.4/42

All: 179.959+/-0.021 χ^2/NDF: 31500002.8/88

- sign 166.843+/-0.028 χ^2/NDF: 16418813.3/45



Right In: 0.000+/-0.000 χ^2/NDF: 26.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:34.8/24

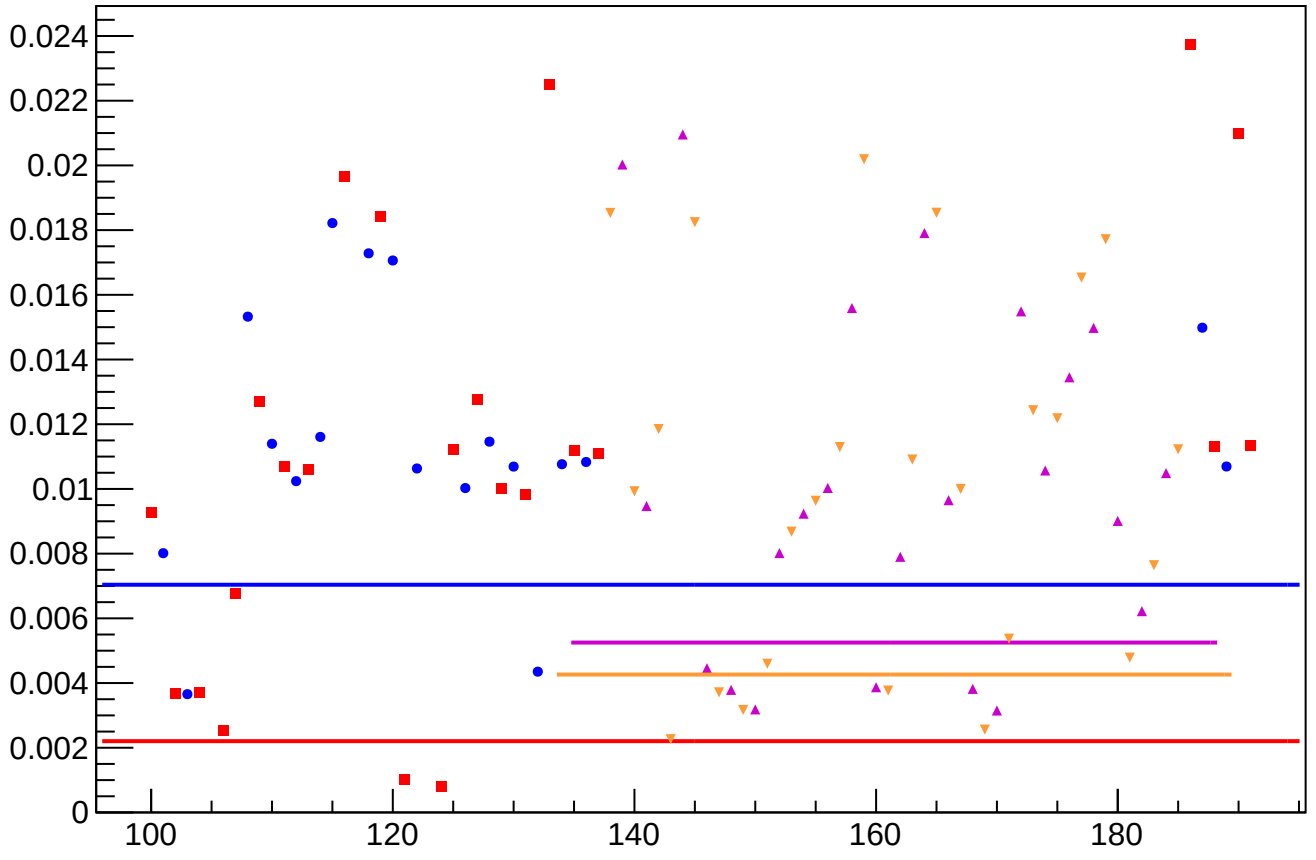
Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/22

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: 114.3/88

- sign 0.000+/-0.000 χ^2/NDF: 48.5/45



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: 11715811.7/22

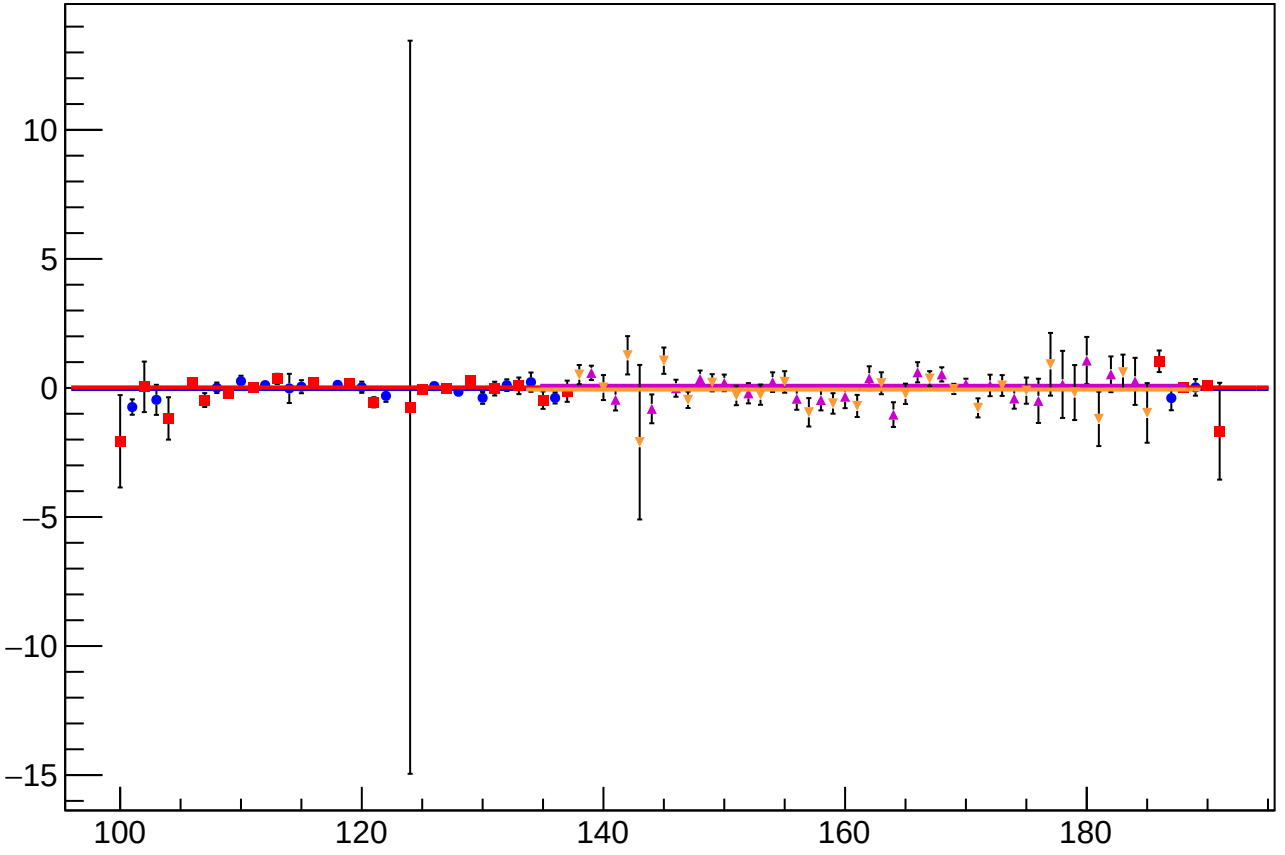
Left In: 0.005+/-0.000 χ^2/NDF:9531217.7/22

+ sign 0.005+/-0.000 χ^2/NDF: 17968283.1/42

All: 0.004+/-0.000 χ^2/NDF: 45455115.7/88

- sign 0.003+/-0.000 χ^2/NDF: 26061933.8/45

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: 0.021+/-0.045 χ^2/NDF: 35.7/22

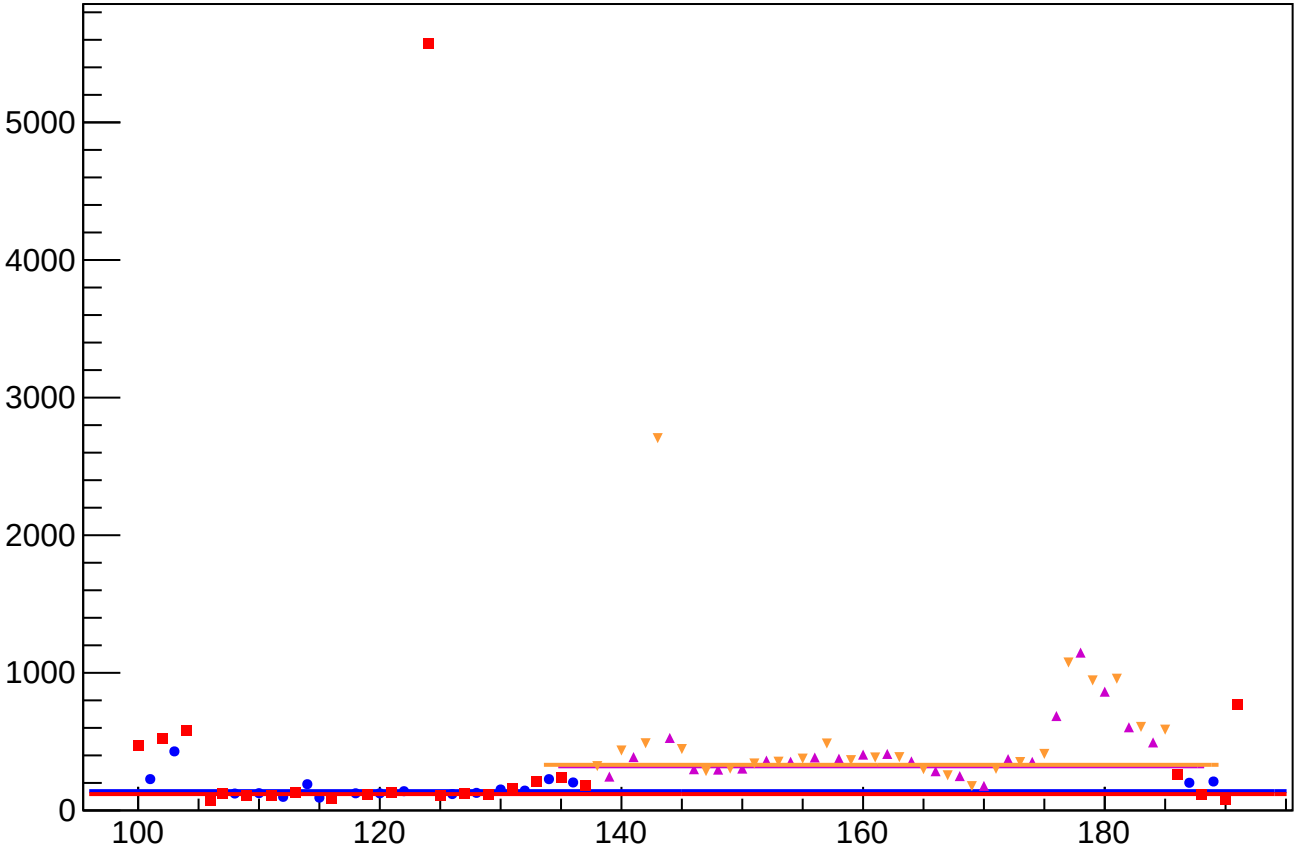
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.048+/-0.046 χ^2/NDF: 49.3/42

All: 0.000+/-0.030 χ^2/NDF: 114.4/88

- sign 0.036+/-0.040 χ^2/NDF: 63.2/45

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

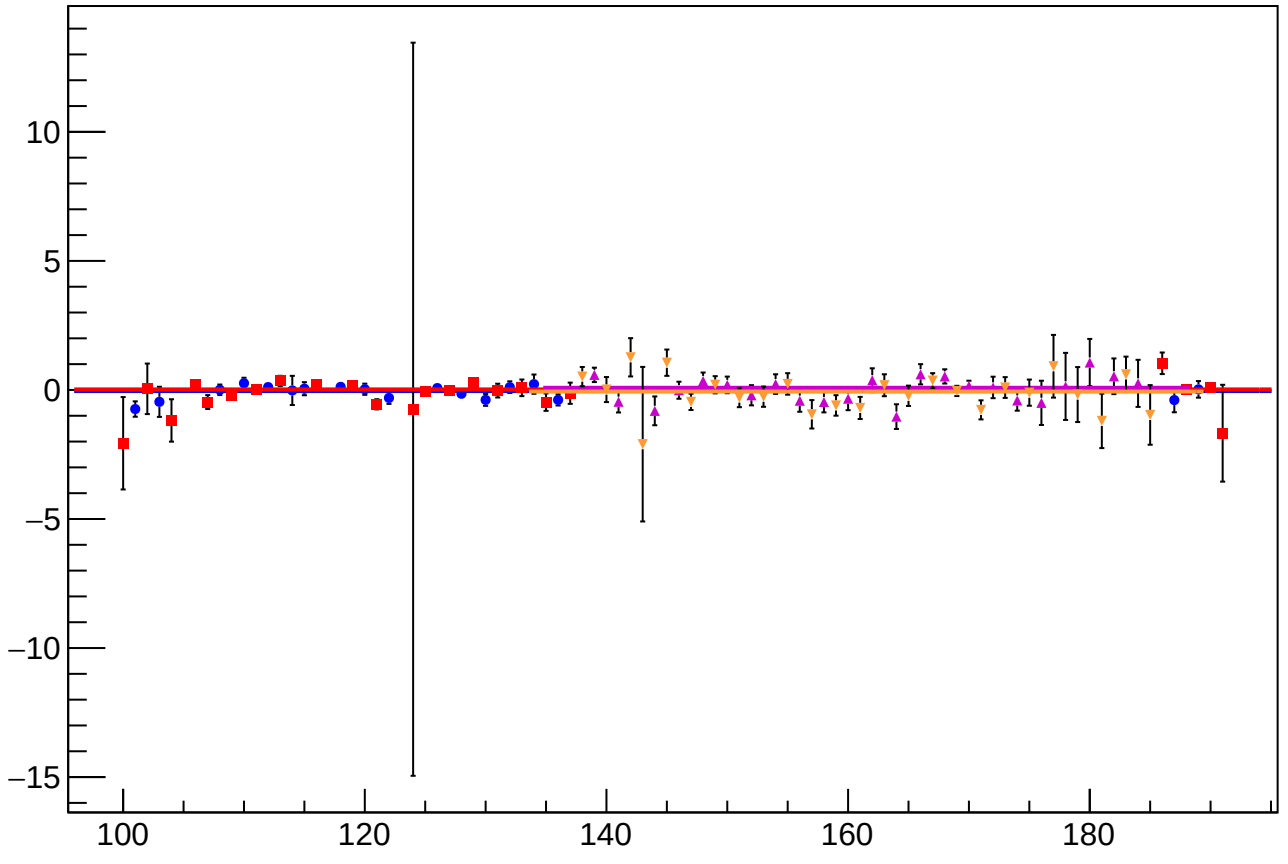
Right Out: 118.904+/-0.032 χ^2/NDF: 2735437.3/22

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

+ sign 197.512+/-0.032 χ^2/NDF: 14566792.4/42

All: 179.959+/-0.021 χ^2/NDF: 31500175.0/88

- sign 166.843+/-0.028 χ^2/NDF: 16418938.1/45



Right In: -0.043+/-0.055 χ^2/NDF: 18.5/17

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

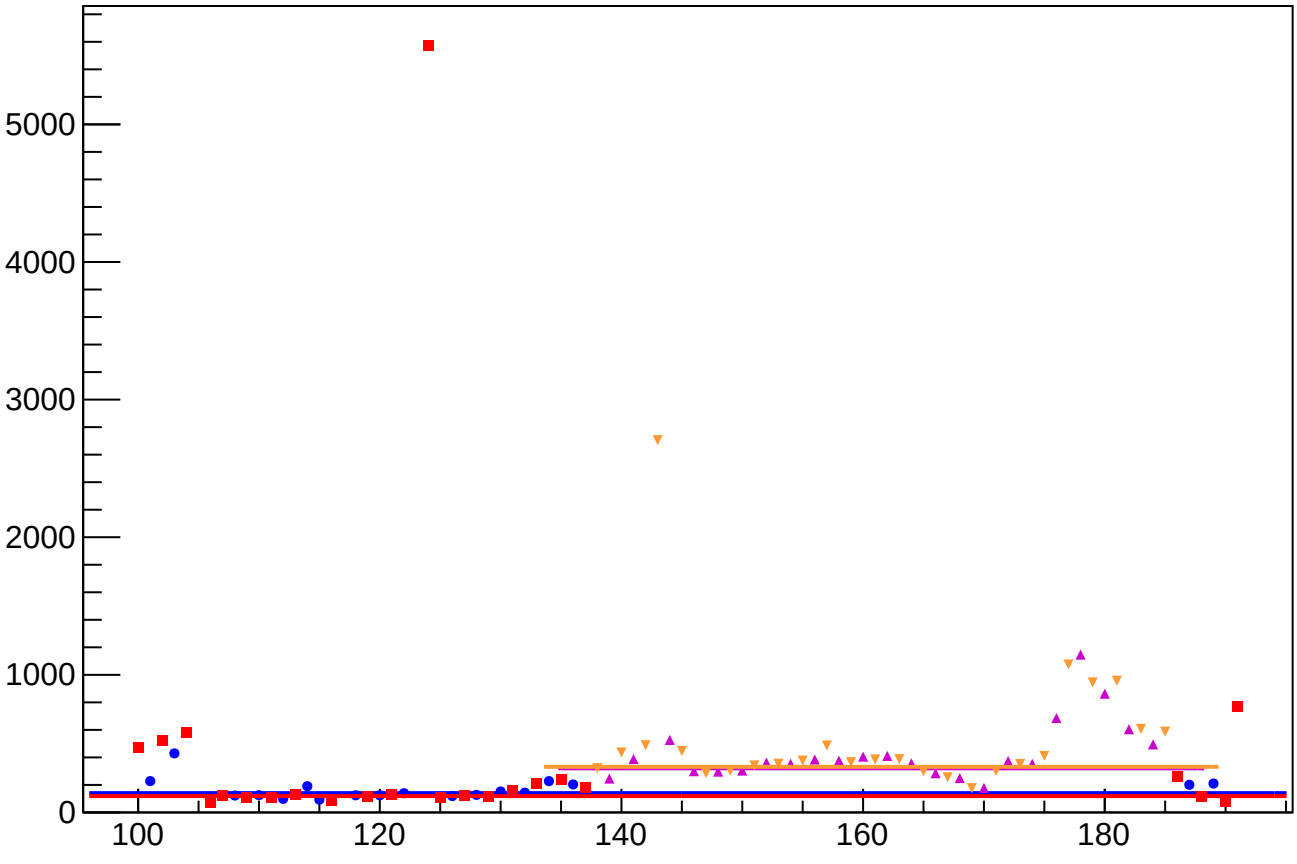
Right Out: 0.021+/-0.045 χ^2/NDF: 35.7/22

Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.048+/-0.046 χ^2/NDF: 49.3/42

All: 0.000+/-0.030 χ^2/NDF: 114.4/88

- sign 0.036+/-0.040 χ^2/NDF: 63.2/45



Right In: 140.358+/-0.039 χ^2/NDF: 1401749.6/17

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

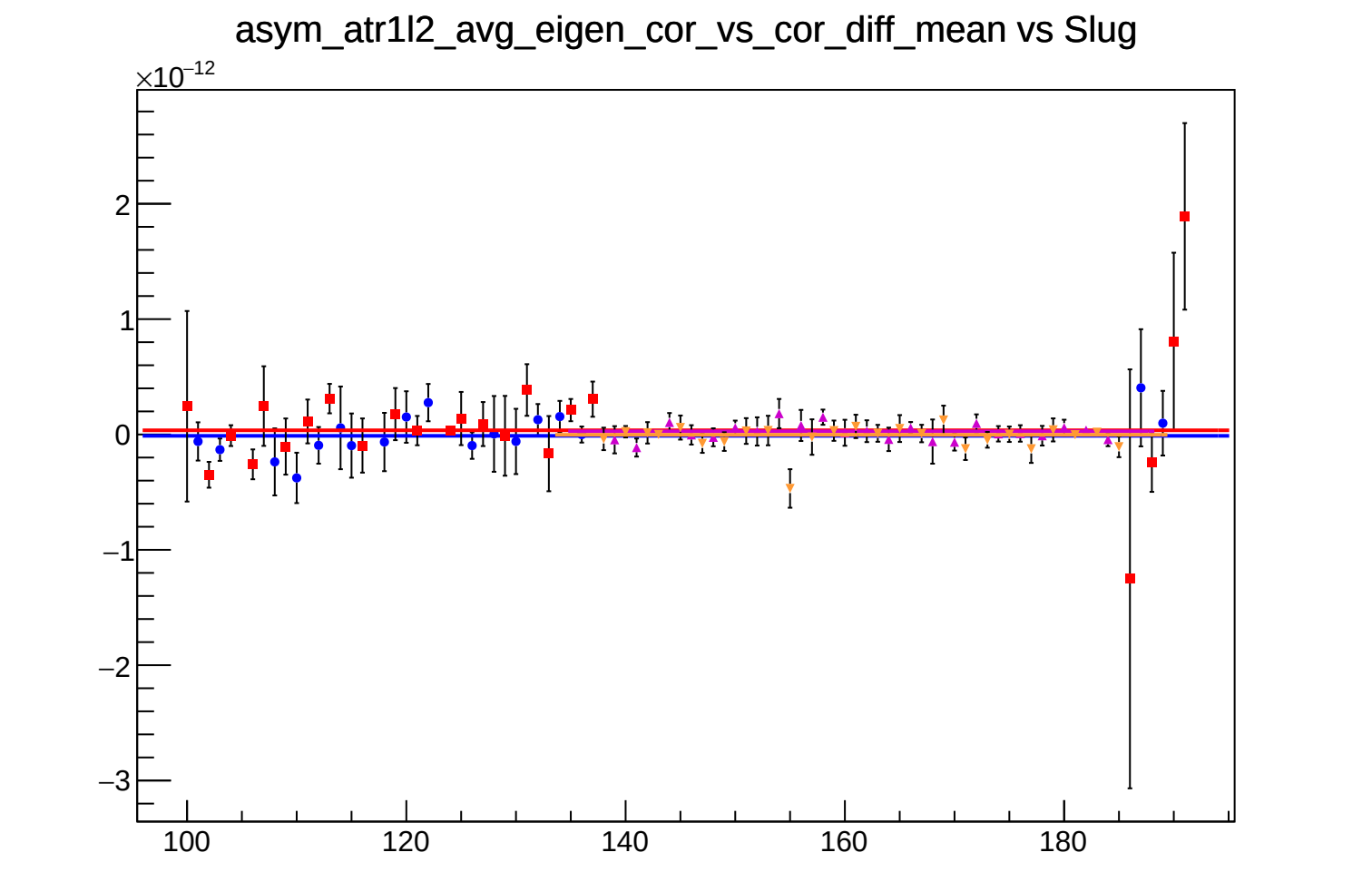
Right Out: 118.904+/-0.032 χ^2/NDF: 2735437.3/22

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

+ sign 197.512+/-0.032 χ^2/NDF: 14566792.4/42

All: 179.959+/-0.021 χ^2/NDF: 31500175.0/88

- sign 166.843+/-0.028 χ^2/NDF: 16418938.1/45



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/17

Left Out: -0.000+/-0.000 χ^2/NDF:17.0/24

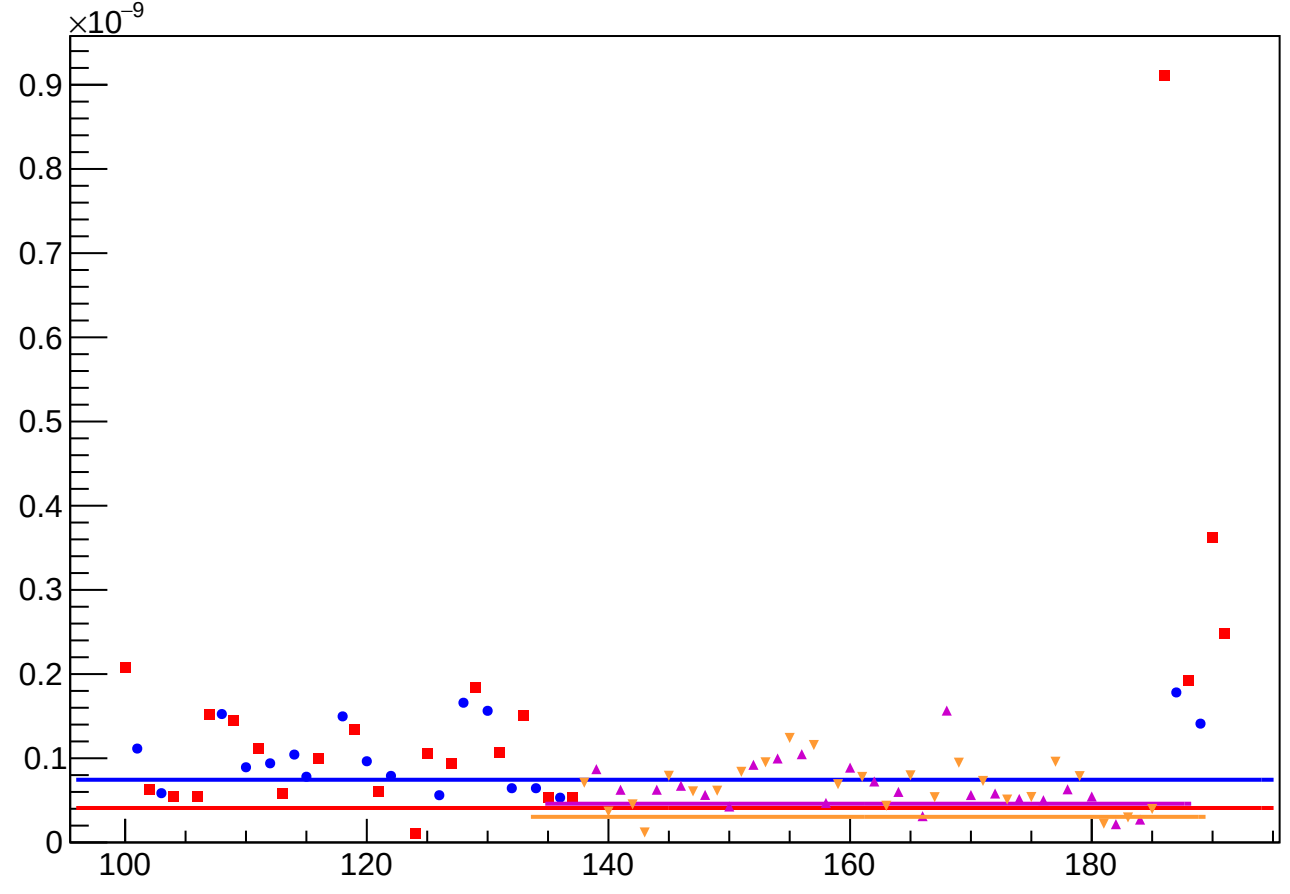
Right Out: 0.000+/-0.000 χ^2/NDF: 41.0/22

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: 91.5/88

- sign 0.000+/-0.000 χ^2/NDF: 57.3/45



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: 5911590.3/22

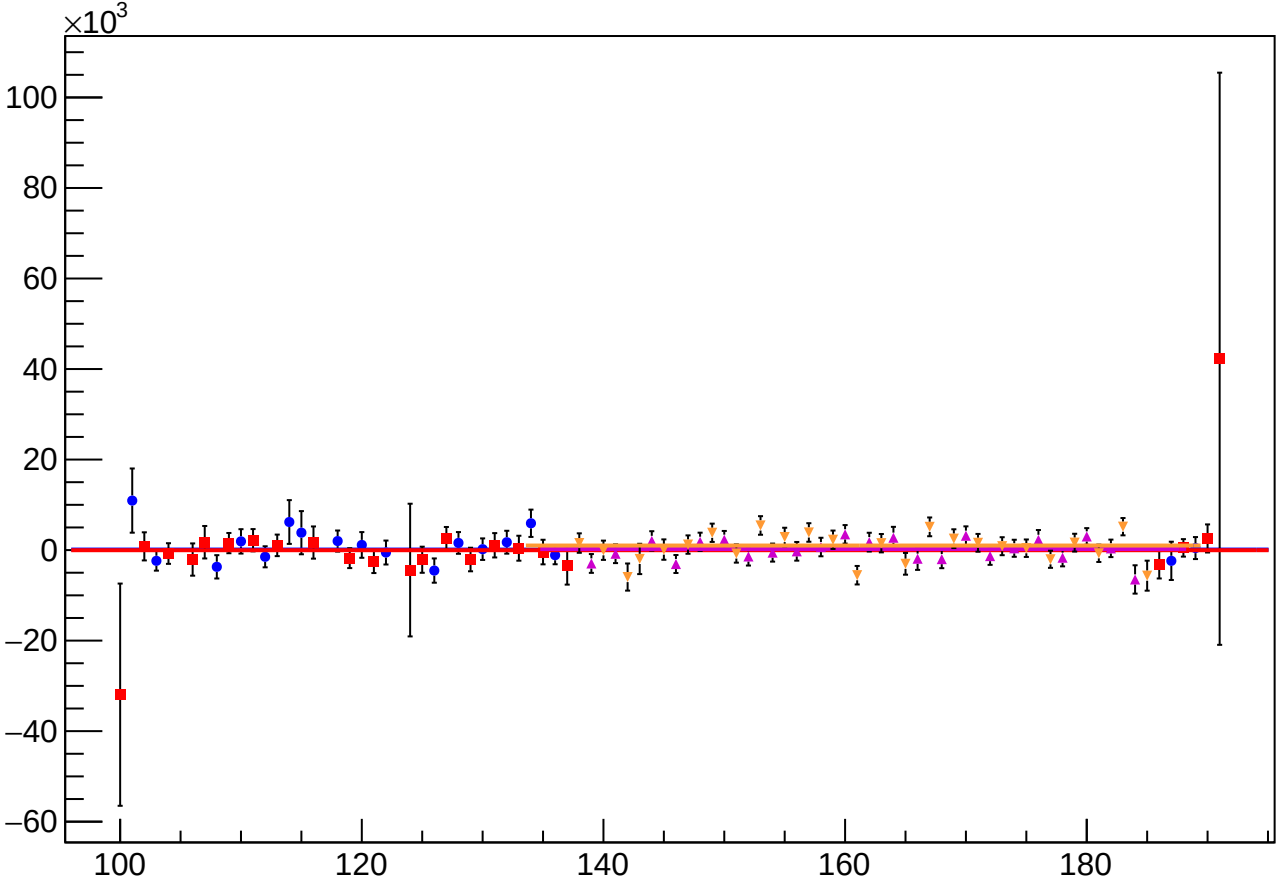
Left In: 0.000+/-0.000 χ^2/NDF:4899715.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 14484685.2/42

All: 0.000+/-0.000 χ^2/NDF: 26249203.0/88

- sign 0.000+/-0.000 χ^2/NDF: 10872338.3/45

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: -25.596+/-596.577 χ^2/NDF: 11.3/22

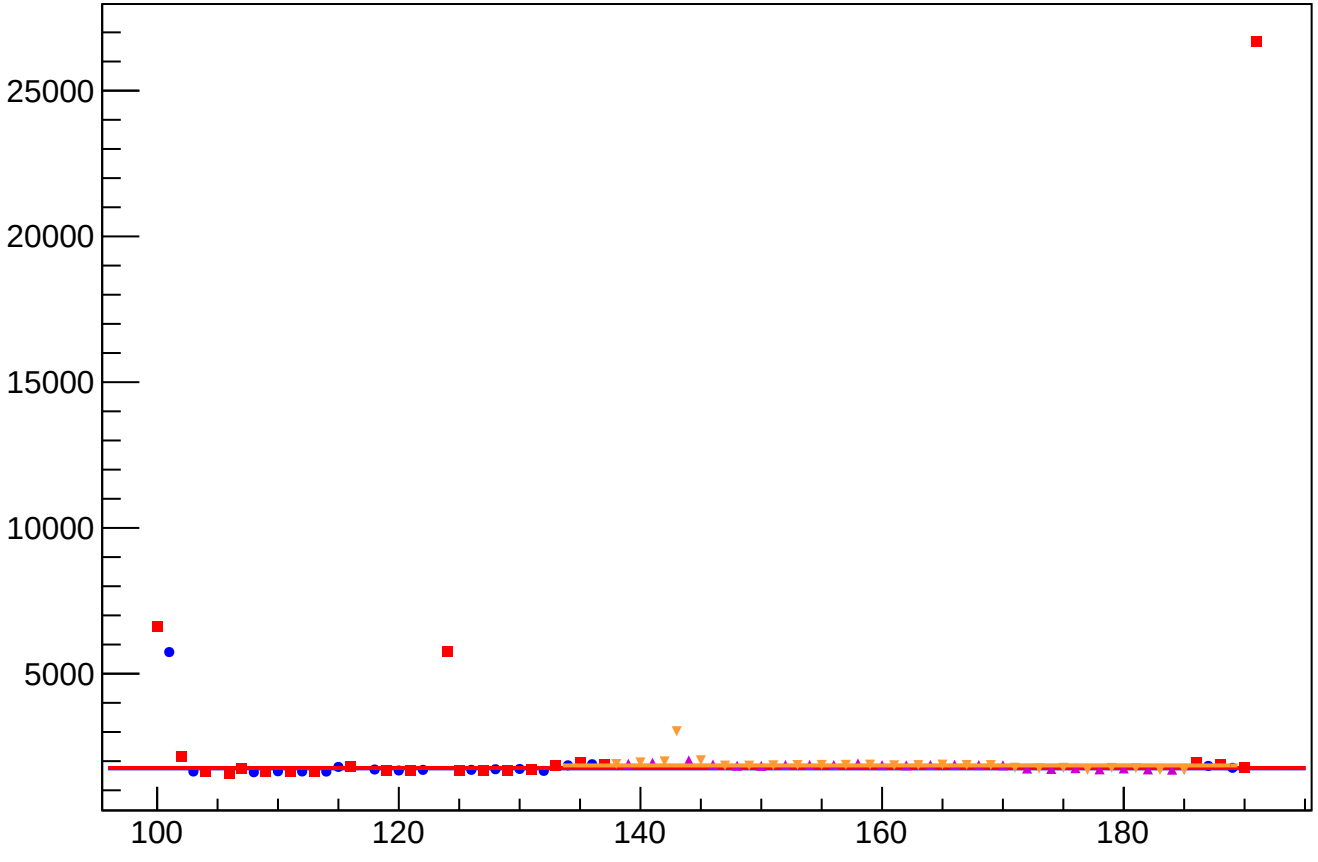
Left In: 229.321+/-429.699 χ^2/NDF:26.4/22

+ sign 731.417+/-351.961 χ^2/NDF: 66.8/42

All: 434.064+/-247.702 χ^2/NDF: 106.0/88

- sign 142.246+/-348.670 χ^2/NDF: 37.8/45

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: 1764.893+/-0.419 χ^2/NDF: 637547.9/22

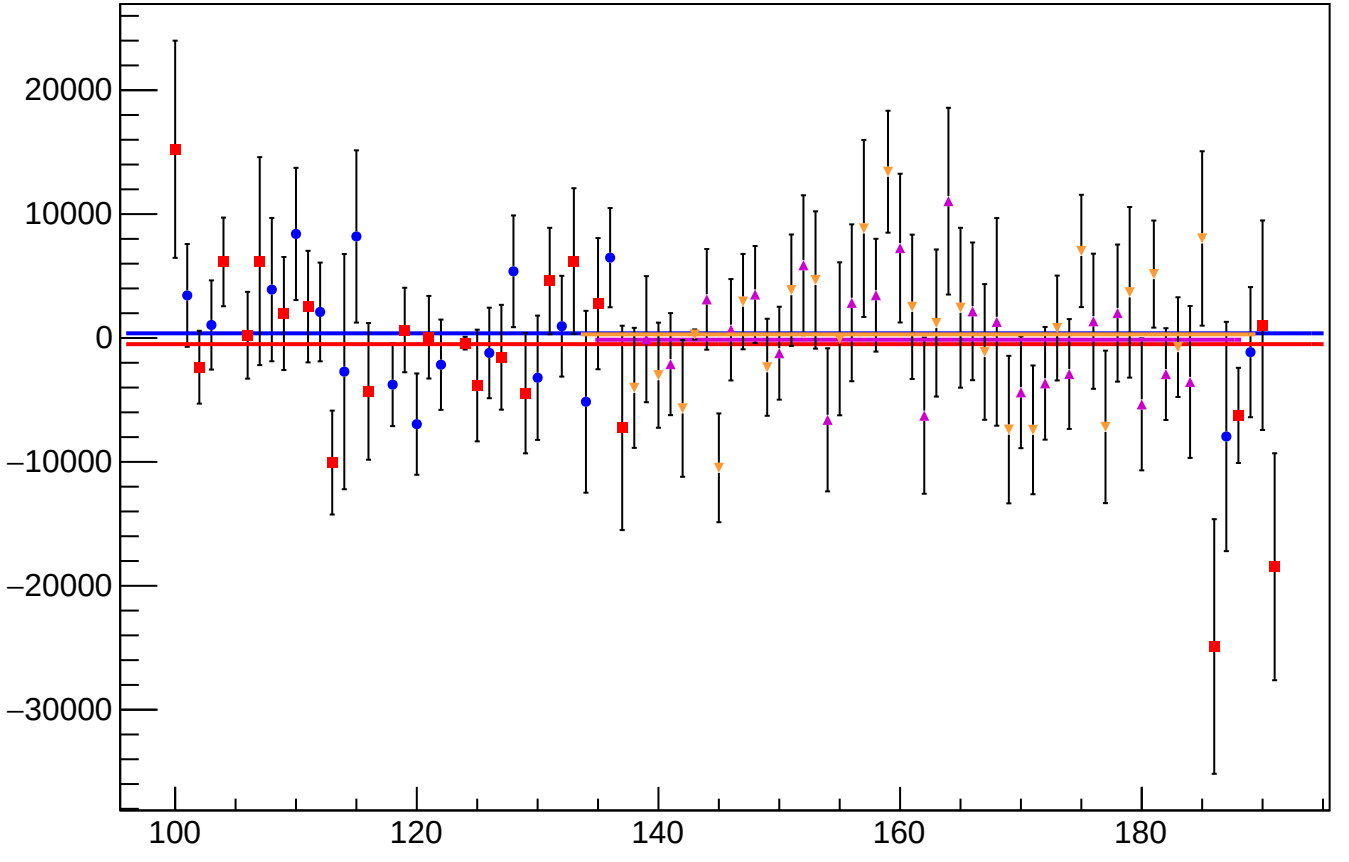
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1822.139+/-0.249 χ^2/NDF: 1025341.9/42

All: 1817.605+/-0.175 χ^2/NDF: 1752247.8/88

- sign 1813.173+/-0.246 χ^2/NDF: 726249.4/45

asym_atr1l2_dd_reg_correction_mean vs Slug



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: -496.213+/-453.073 χ^2/NDF: 31.1/22

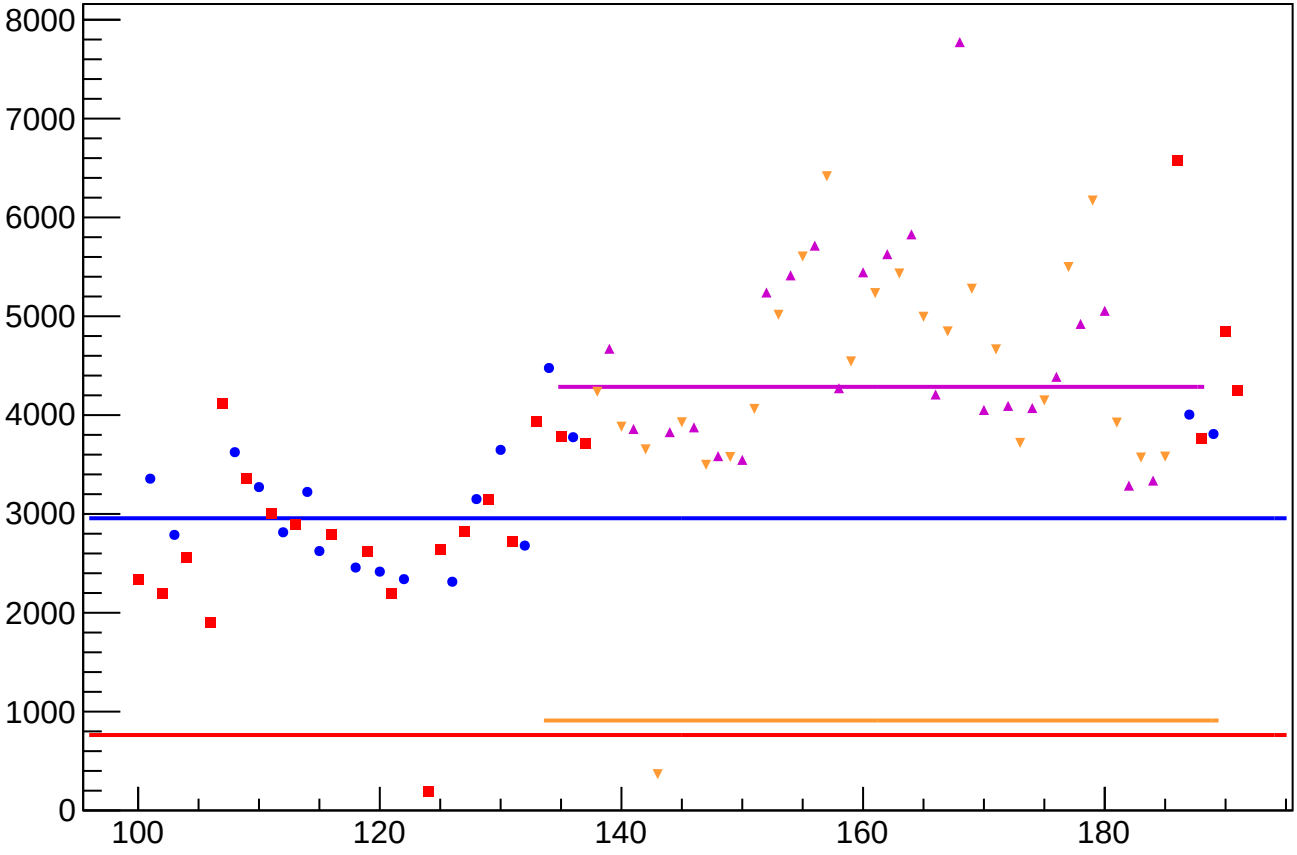
Left In: -138.350+/-1022.943 χ^2/NDF:13.9/22

+ sign 303.709+/-358.041 χ^2/NDF: 45.8/42

All: -13.236+/-270.886 χ^2/NDF: 92.7/88

- sign -437.524+/-414.259 χ^2/NDF: 45.1/45

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

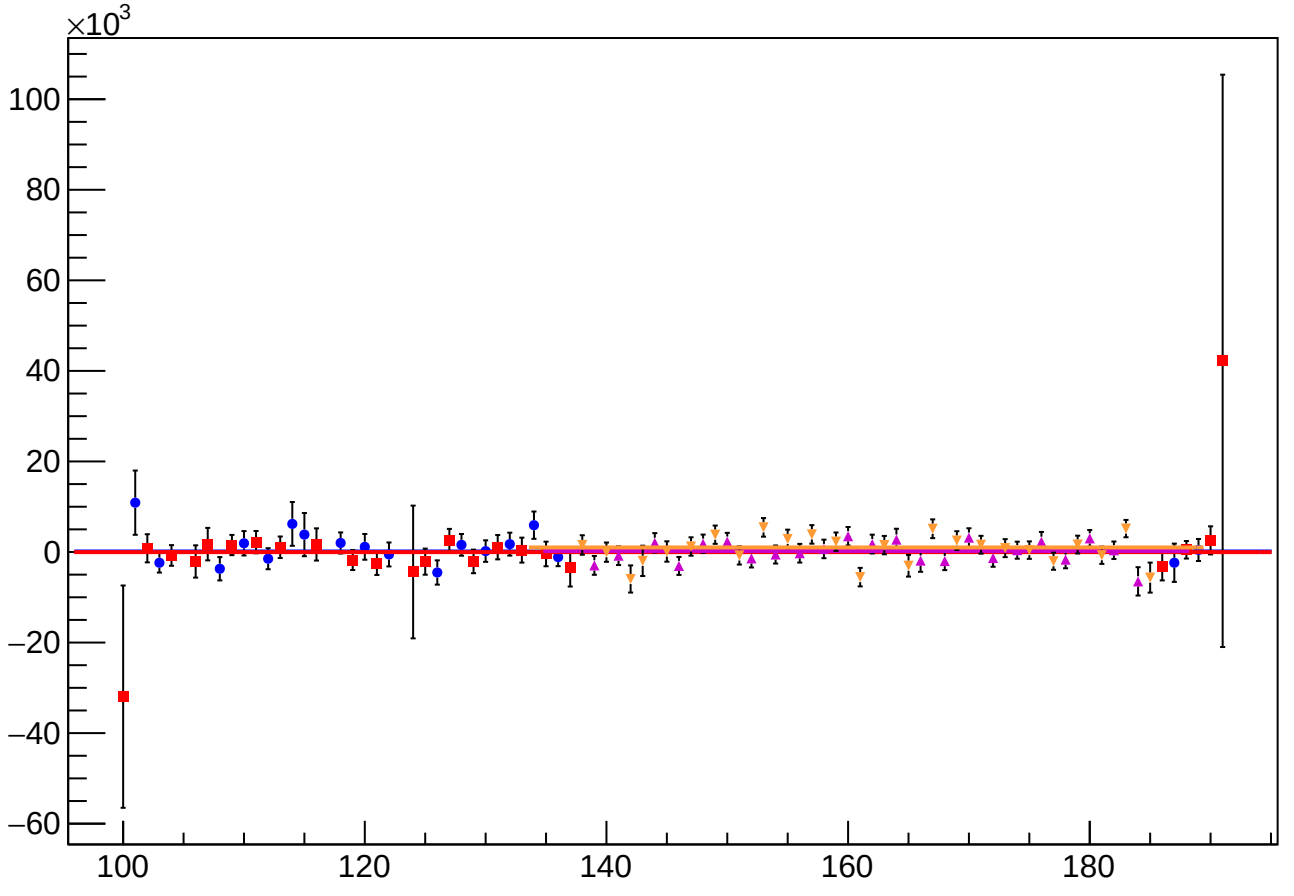
Right Out: 763.195+/-0.320 χ^2/NDF: 12817582.0/22

Left In: 4285.839+/-0.723 χ^2/NDF:1327947.9/22

+ sign 1139.043+/-0.253 χ^2/NDF: 33827007.5/42

All: 1225.357+/-0.192 χ^2/NDF: 68072034.3/8

- sign 1340.904+/-0.293 χ^2/NDF: 33973194.5/45



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: -25.606+/-596.577 χ^2/NDF: 11.3/22

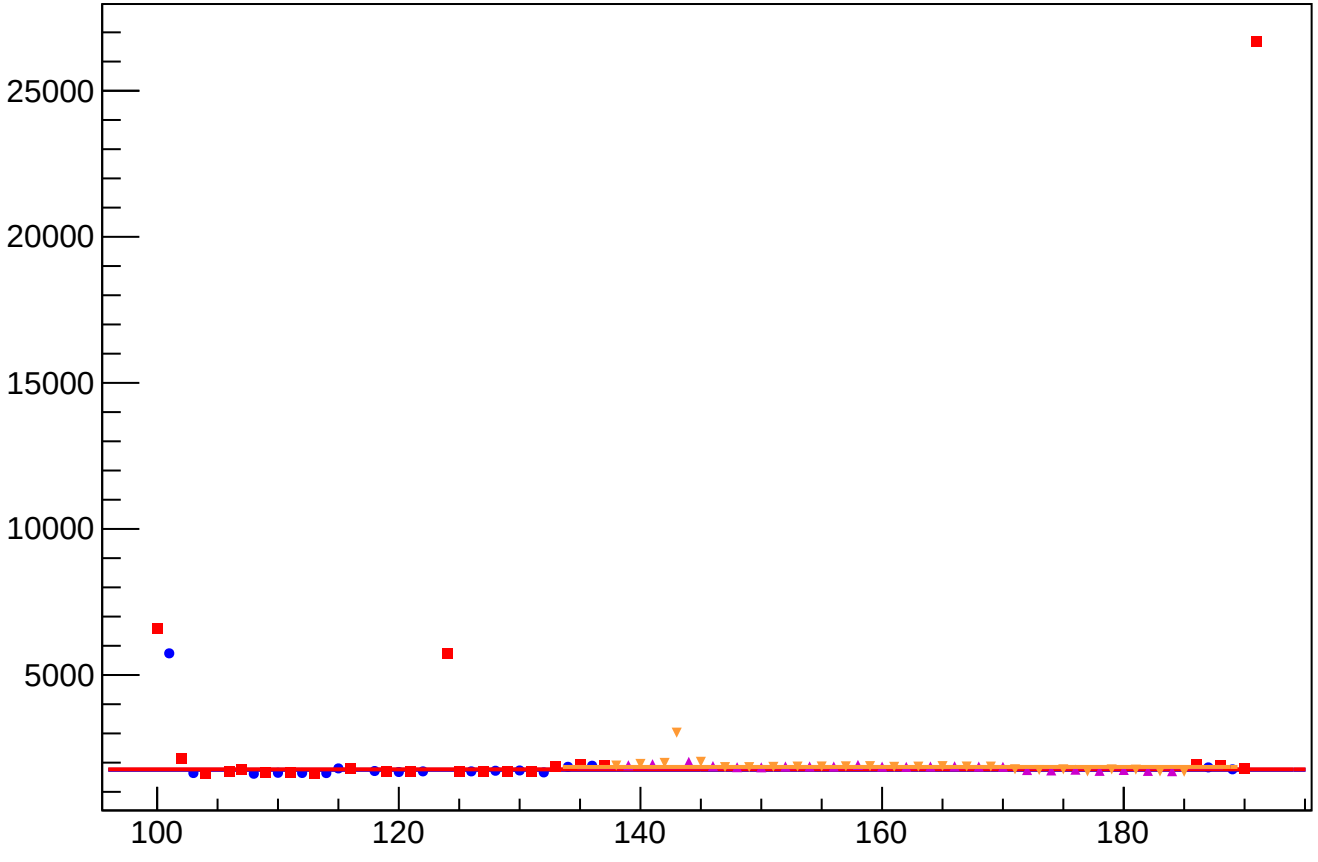
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 731.251+/-351.961 χ^2/NDF: 66.7/42

All: 433.952+/-247.702 χ^2/NDF: 106.0/88

- sign 142.187+/-348.670 χ^2/NDF: 37.8/45

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: 1770.608+/-0.421 χ^2/NDF: 629376.6/22

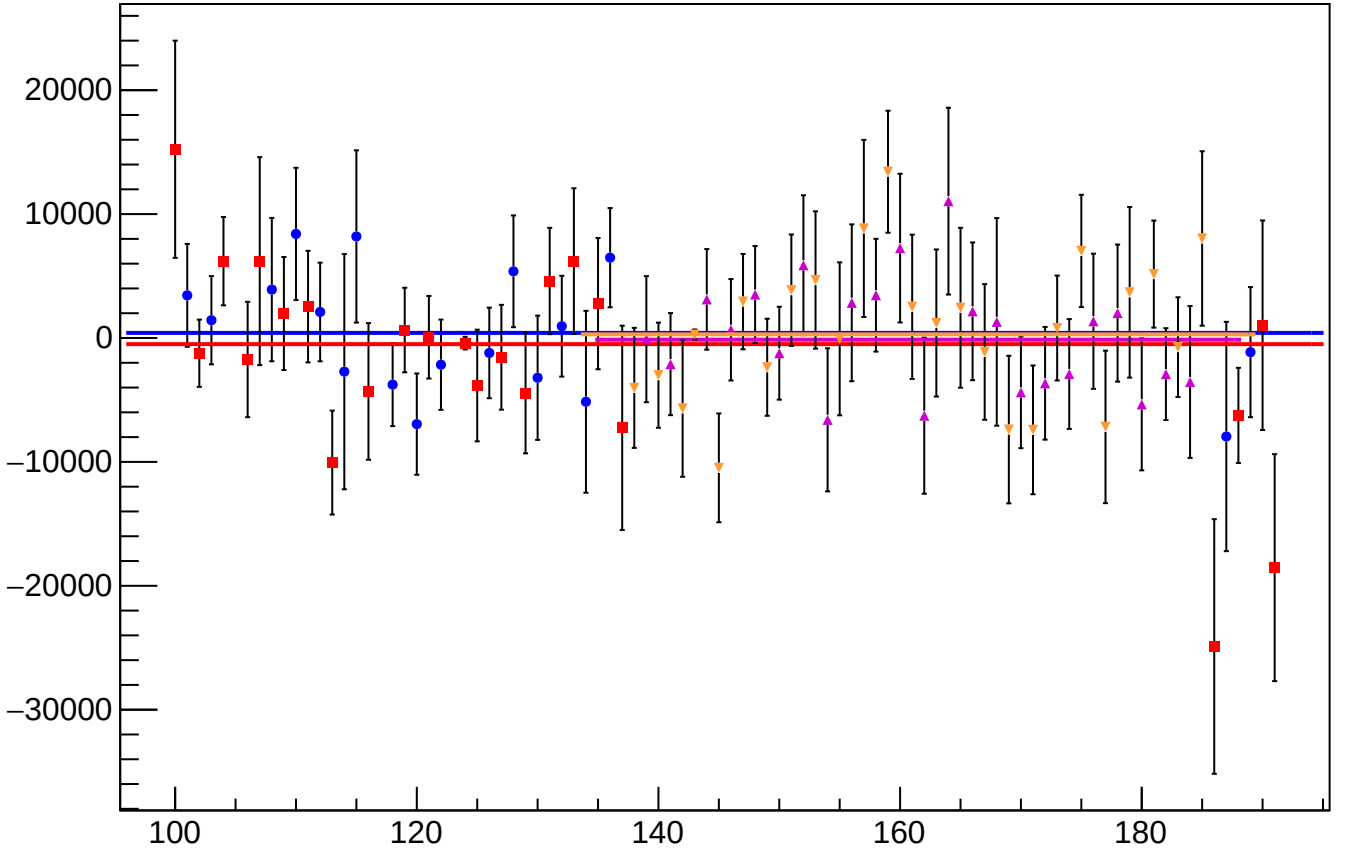
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1822.139+/-0.249 χ^2/NDF: 1025342.3/42

All: 1818.650+/-0.175 χ^2/NDF: 1740724.1/88

- sign 1815.233+/-0.246 χ^2/NDF: 714992.7/45

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: -494.684+/-453.959 χ^2/NDF: 30.9/22

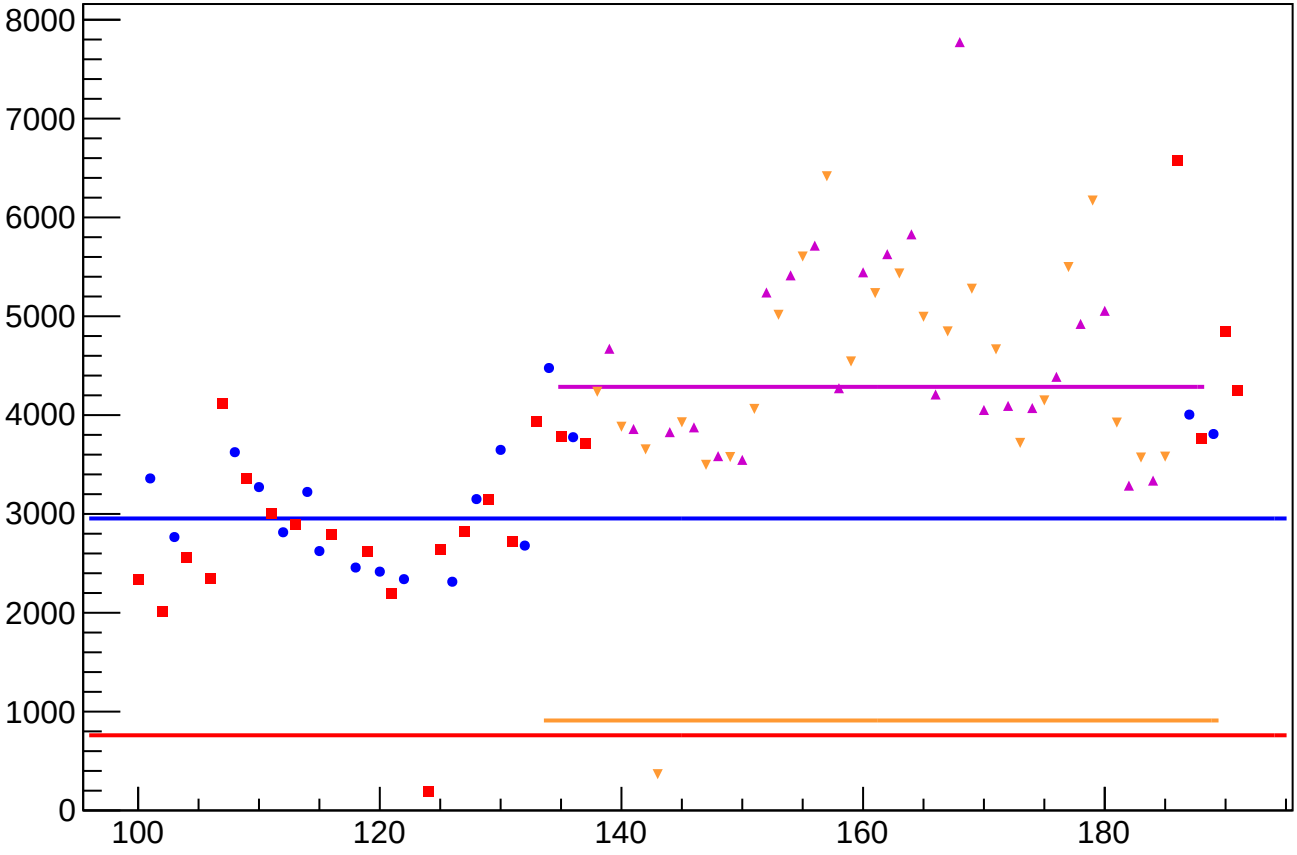
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 308.571+/-358.030 χ^2/NDF: 45.8/42

All: -9.213+/-271.070 χ^2/NDF: 92.6/88

- sign -436.041+/-414.935 χ^2/NDF: 44.9/45

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: 760.489+/-0.321 χ^2/NDF: 12778646.2/22

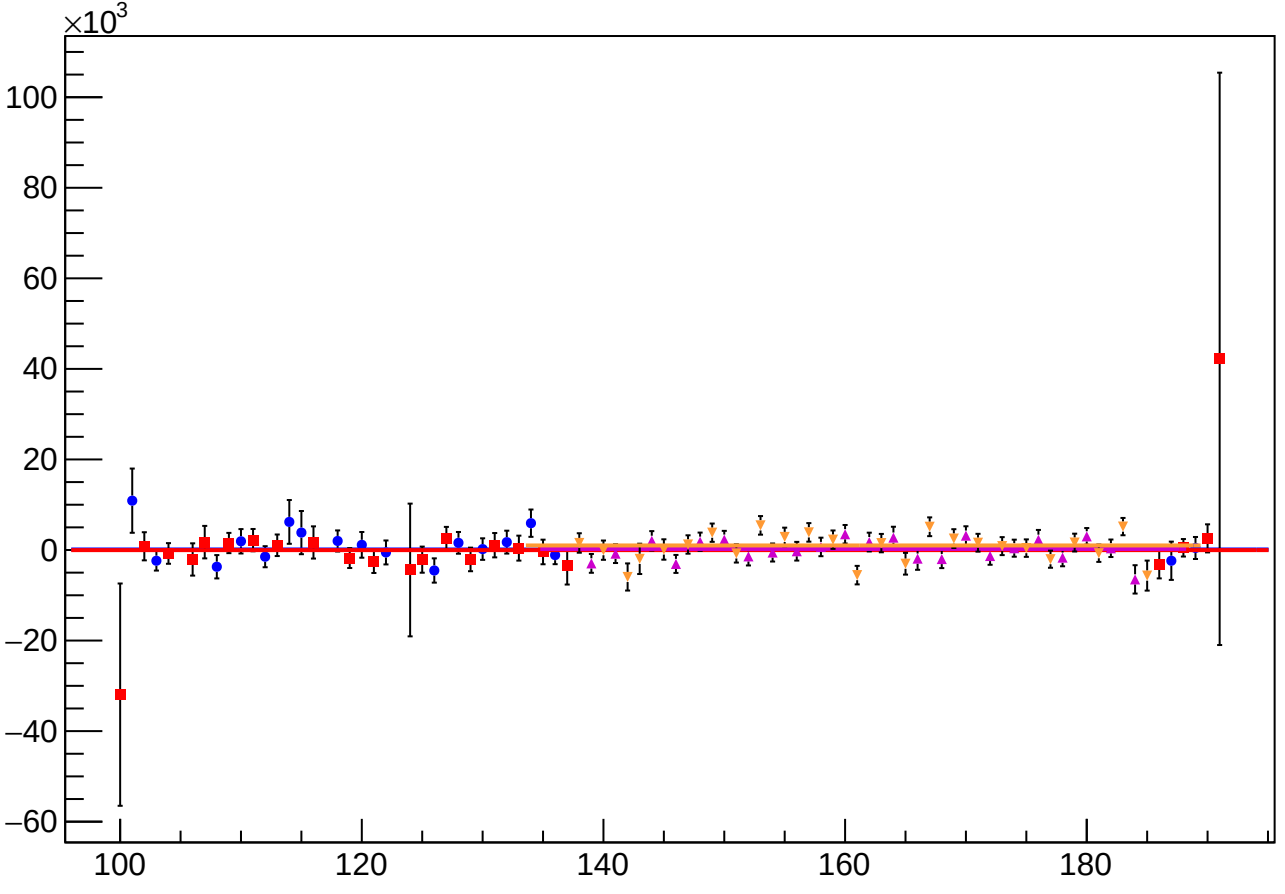
Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1139.298+/-0.253 χ^2/NDF: 33823028.0/42

All: 1225.181+/-0.192 χ^2/NDF: 68044639.4/8

- sign 1340.533+/-0.293 χ^2/NDF: 33951962.2/45

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: -25.606+/-596.577 χ^2/NDF: 11.3/22

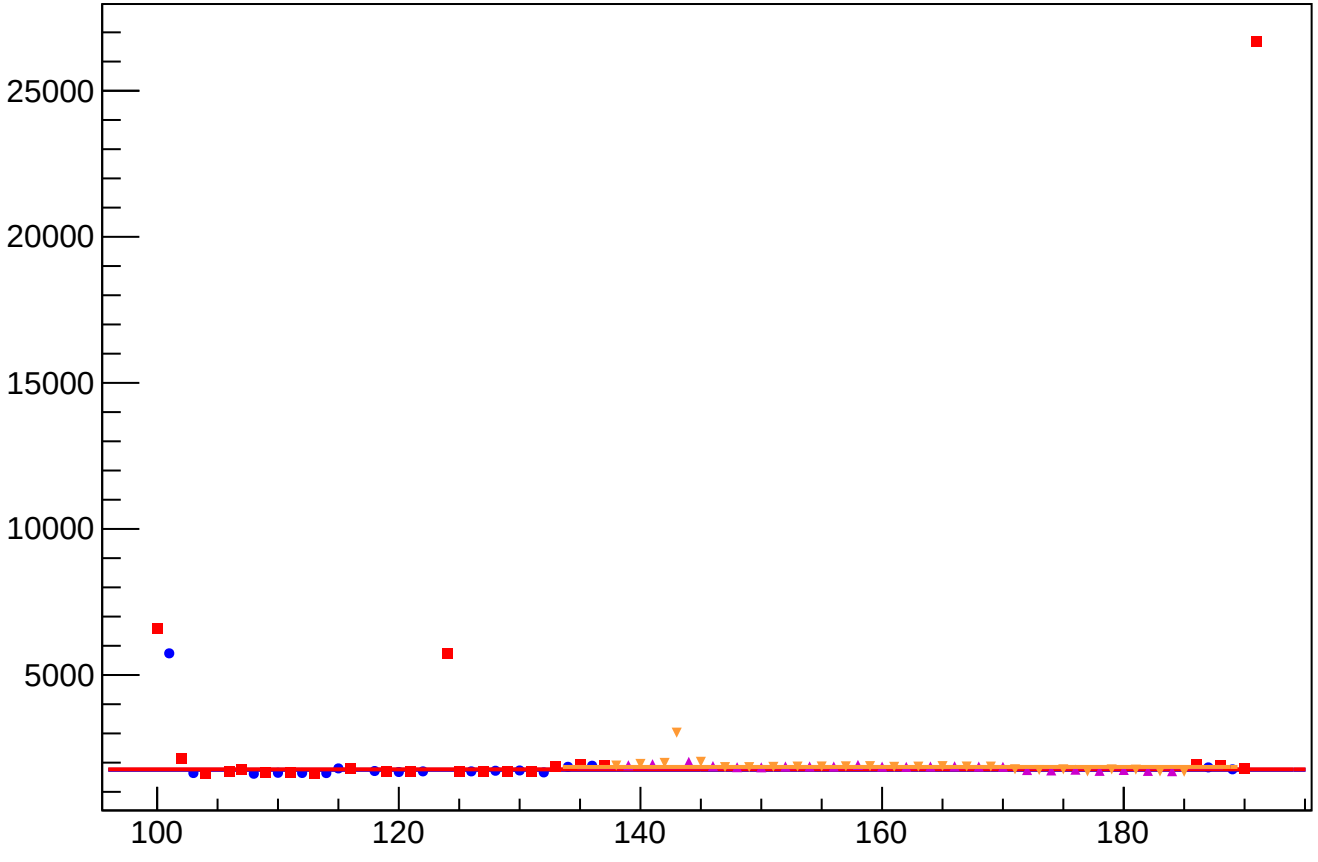
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 731.251+/-351.961 χ^2/NDF: 66.7/42

All: 433.952+/-247.702 χ^2/NDF: 106.0/88

- sign 142.187+/-348.670 χ^2/NDF: 37.8/45

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

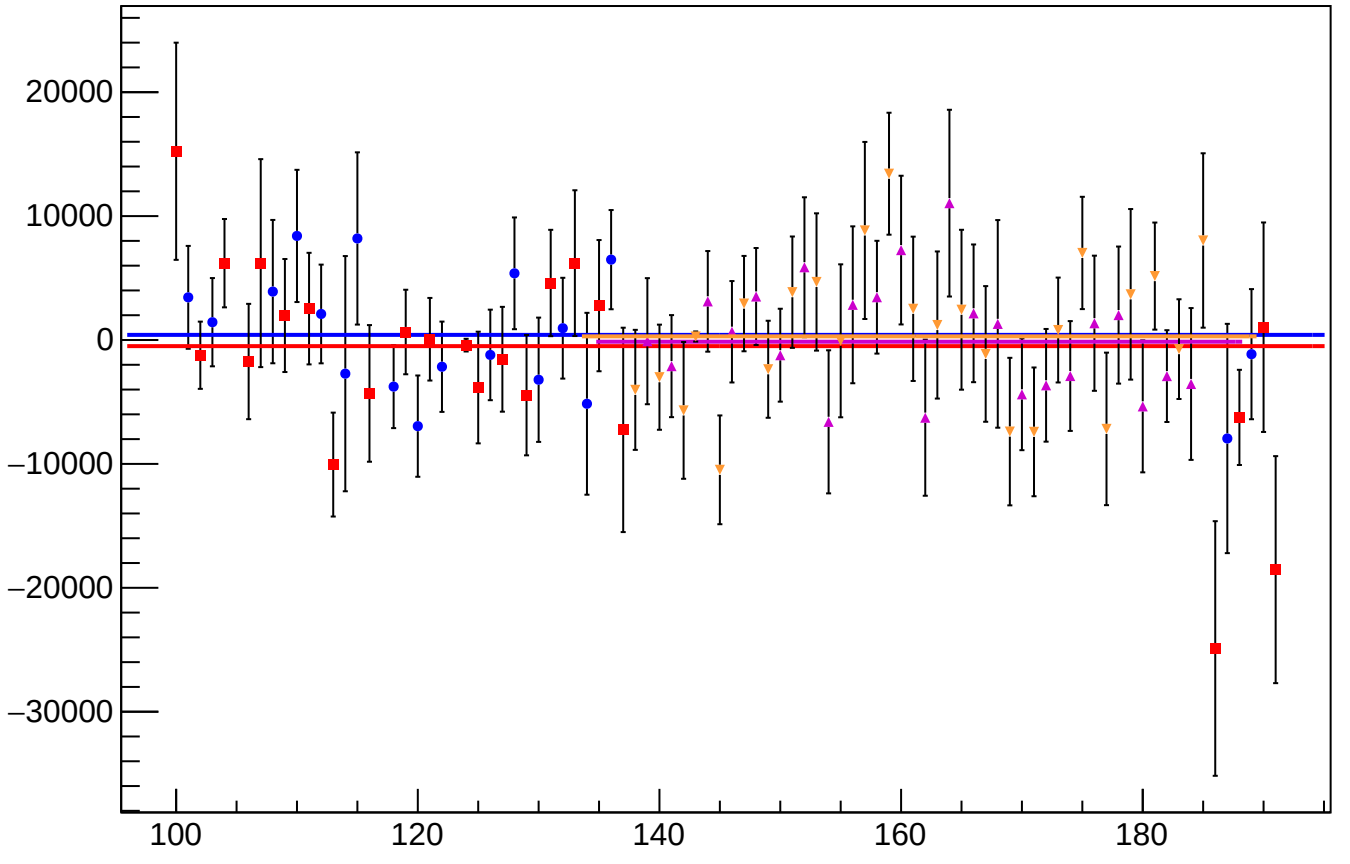
Right Out: 1770.608+/-0.421 χ^2/NDF: 629376.6/22

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1822.139+/-0.249 χ^2/NDF: 1025342.3/42

All: 1818.650+/-0.175 χ^2/NDF: 1740724.1/88

- sign 1815.233+/-0.246 χ^2/NDF: 714992.7/45



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: -494.684+/-453.959 χ^2/NDF: 30.9/22

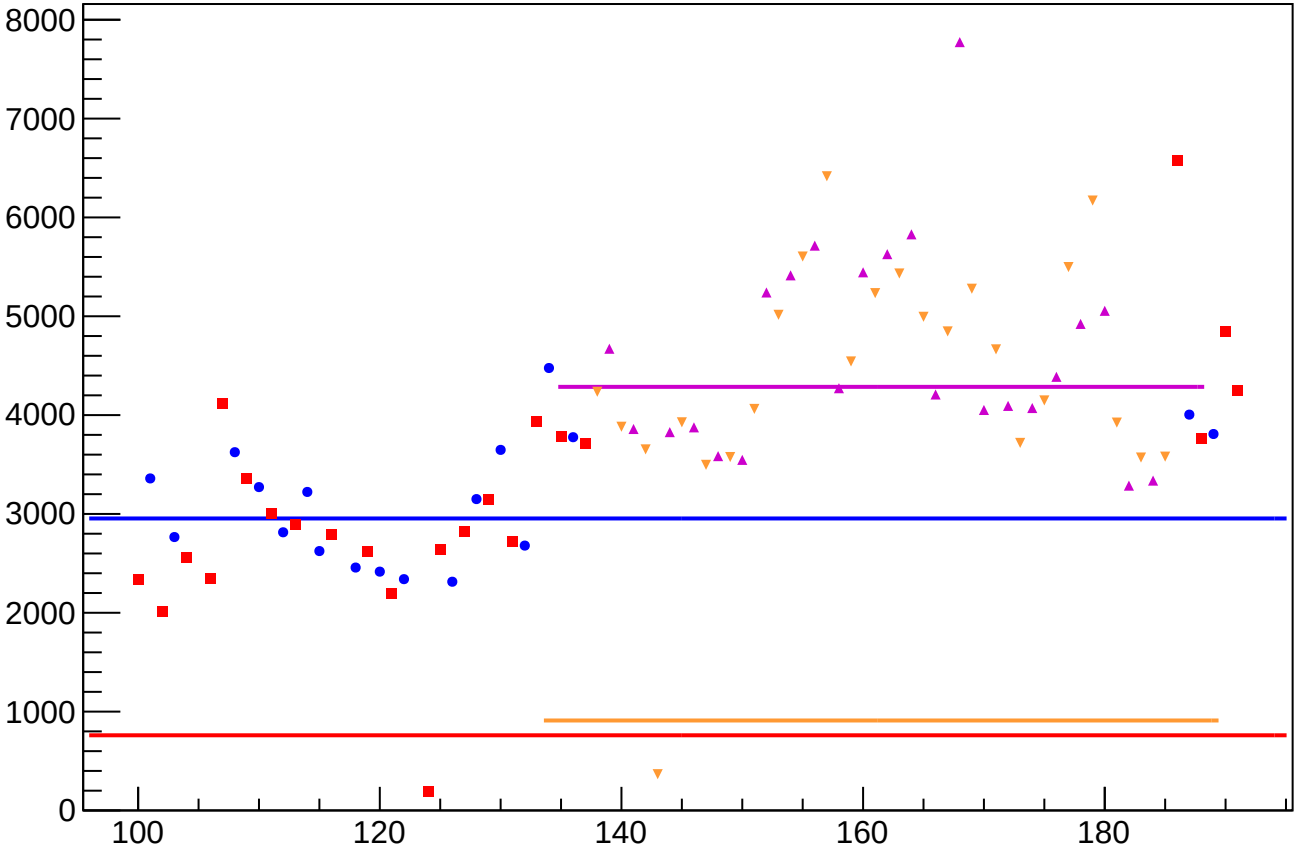
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 308.571+/-358.030 χ^2/NDF: 45.8/42

All: -9.213+/-271.070 χ^2/NDF: 92.6/88

- sign -436.041+/-414.935 χ^2/NDF: 44.9/45

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: 760.489+/-0.321 χ^2/NDF: 12778646.2/22

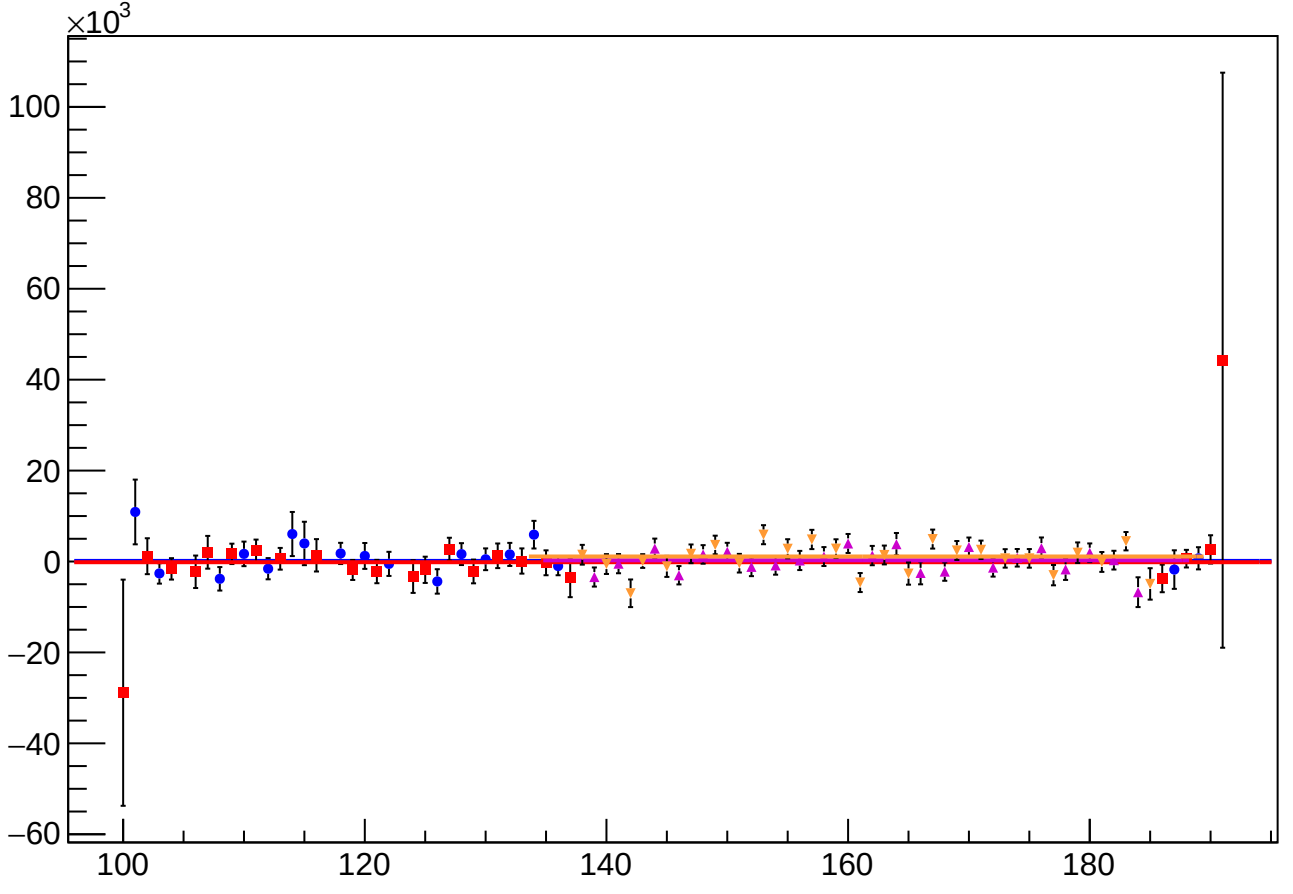
Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1139.298+/-0.253 χ^2/NDF: 33823028.0/42

All: 1225.181+/-0.192 χ^2/NDF: 68044639.4/8

- sign 1340.533+/-0.293 χ^2/NDF: 33951962.2/45

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: -153.678+/-596.182 χ^2/NDF: 12.6/22

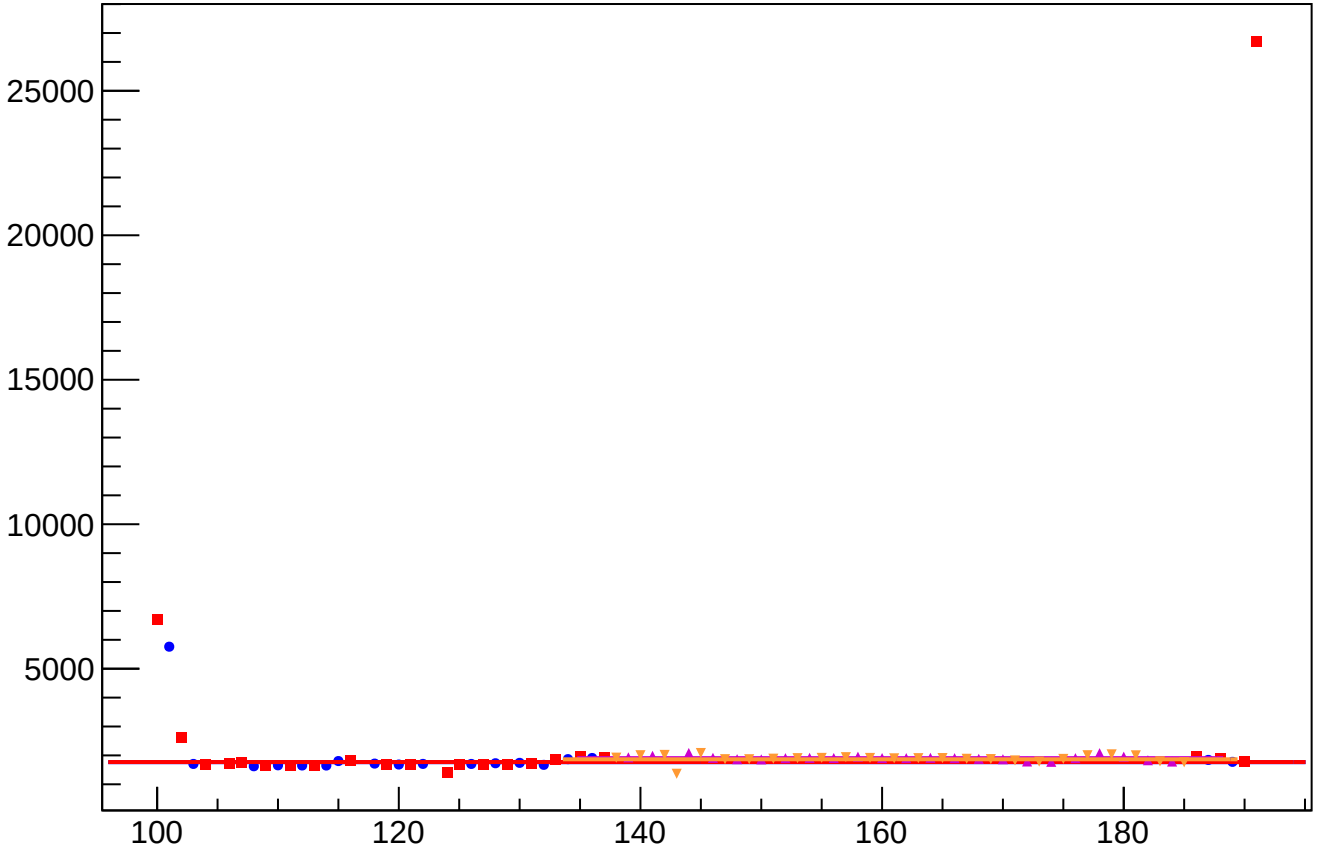
Left In: 264.609+/-445.353 χ^2/NDF:27.7/22

+ sign 805.124+/-354.247 χ^2/NDF: 63.9/42

All: 462.432+/-251.386 χ^2/NDF: 106.4/88

- sign 114.795+/-356.794 χ^2/NDF: 40.6/45

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: 1770.012+/-0.421 χ^2/NDF: 560286.1/22

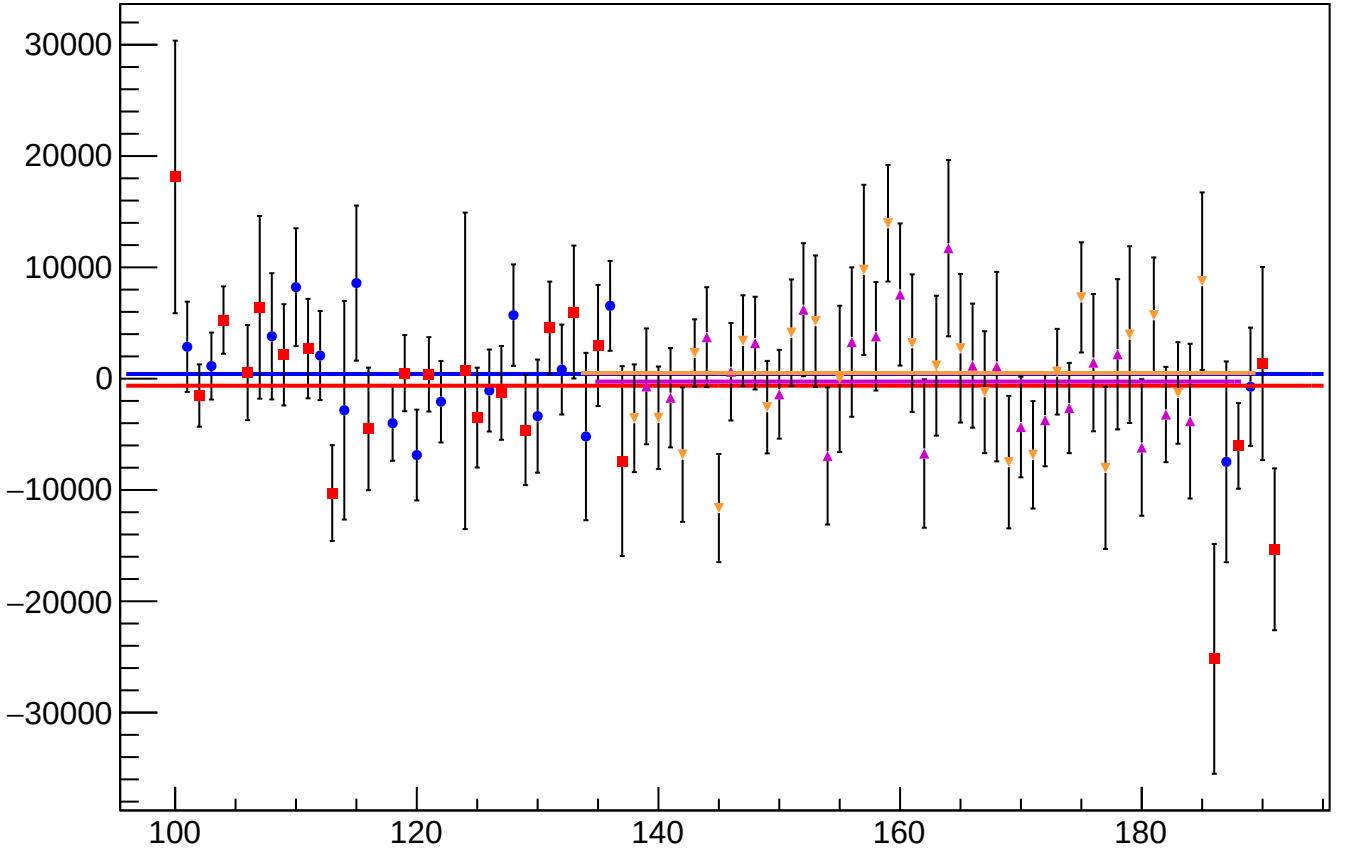
Left In: 1905.628+/-0.315 χ^2/NDF:52781.7/22

+ sign 1834.229+/-0.250 χ^2/NDF: 997002.2/42

All: 1845.496+/-0.178 χ^2/NDF: 1680769.1/88

- sign 1856.906+/-0.252 χ^2/NDF: 679694.9/45

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: -633.277+/-967.460 χ^2/NDF: 30.4/22

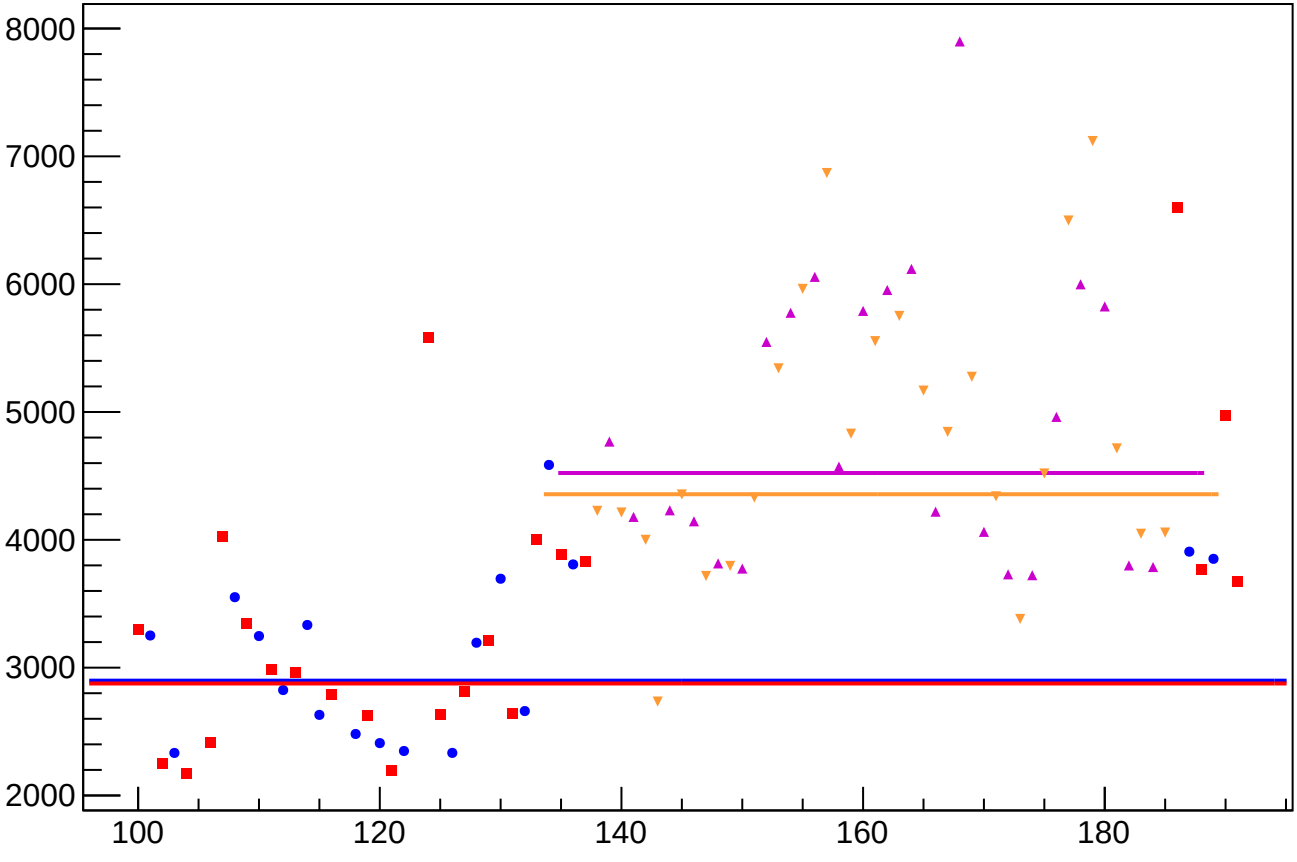
Left In: -261.050+/-1081.402 χ^2/NDF:13.6/22

+ sign 464.052+/-733.096 χ^2/NDF: 45.8/42

All: -9.608+/-514.057 χ^2/NDF: 90.7/88

- sign -467.801+/-721.028 χ^2/NDF: 44.1/45

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: 2876.103+/-0.684 χ^2/NDF: 1160034.9/22

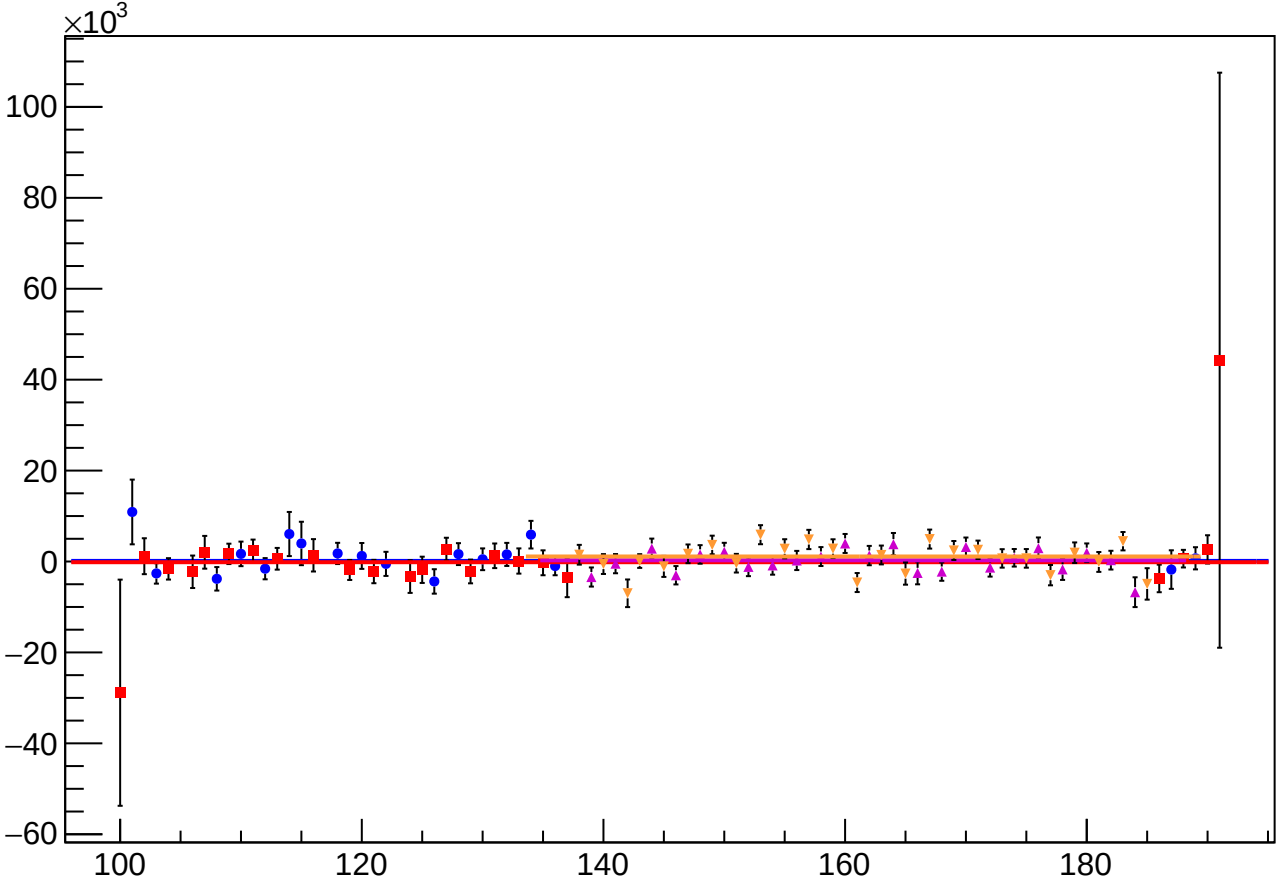
Left In: 4522.787+/-0.765 χ^2/NDF:1434008.9/22

+ sign 3649.068+/-0.518 χ^2/NDF: 4526045.6/42

All: 3628.270+/-0.363 χ^2/NDF: 9699069.7/88

- sign 3608.151+/-0.510 χ^2/NDF: 5169857.2/45

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: -153.674+/-596.182 χ^2/NDF: 12.6/22

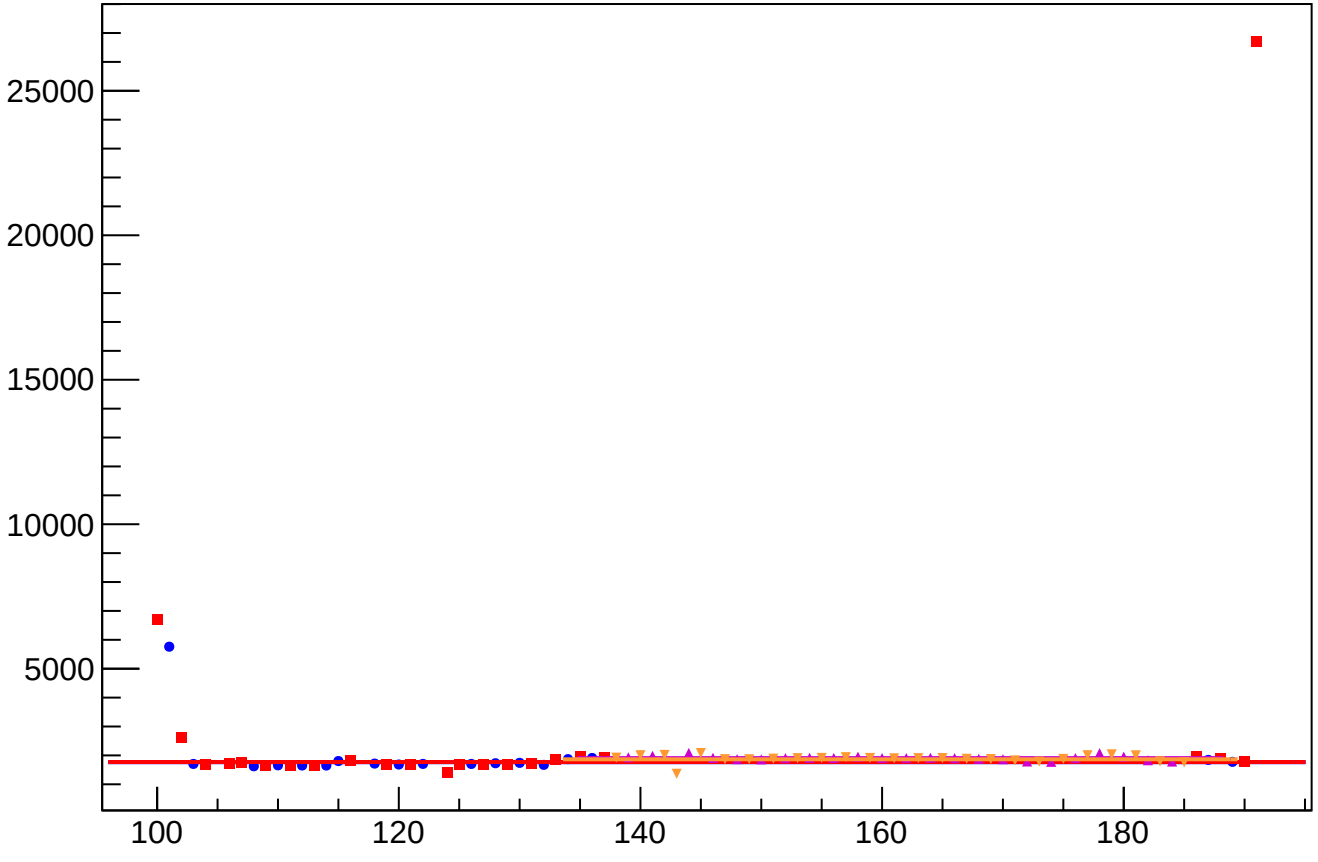
Left In: 264.609+/-445.354 χ^2/NDF:27.7/22

+ sign 805.124+/-354.248 χ^2/NDF: 63.9/42

All: 462.433+/-251.386 χ^2/NDF: 106.4/88

- sign 114.796+/-356.794 χ^2/NDF: 40.6/45

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: 1770.012+/-0.421 χ^2/NDF: 560286.0/22

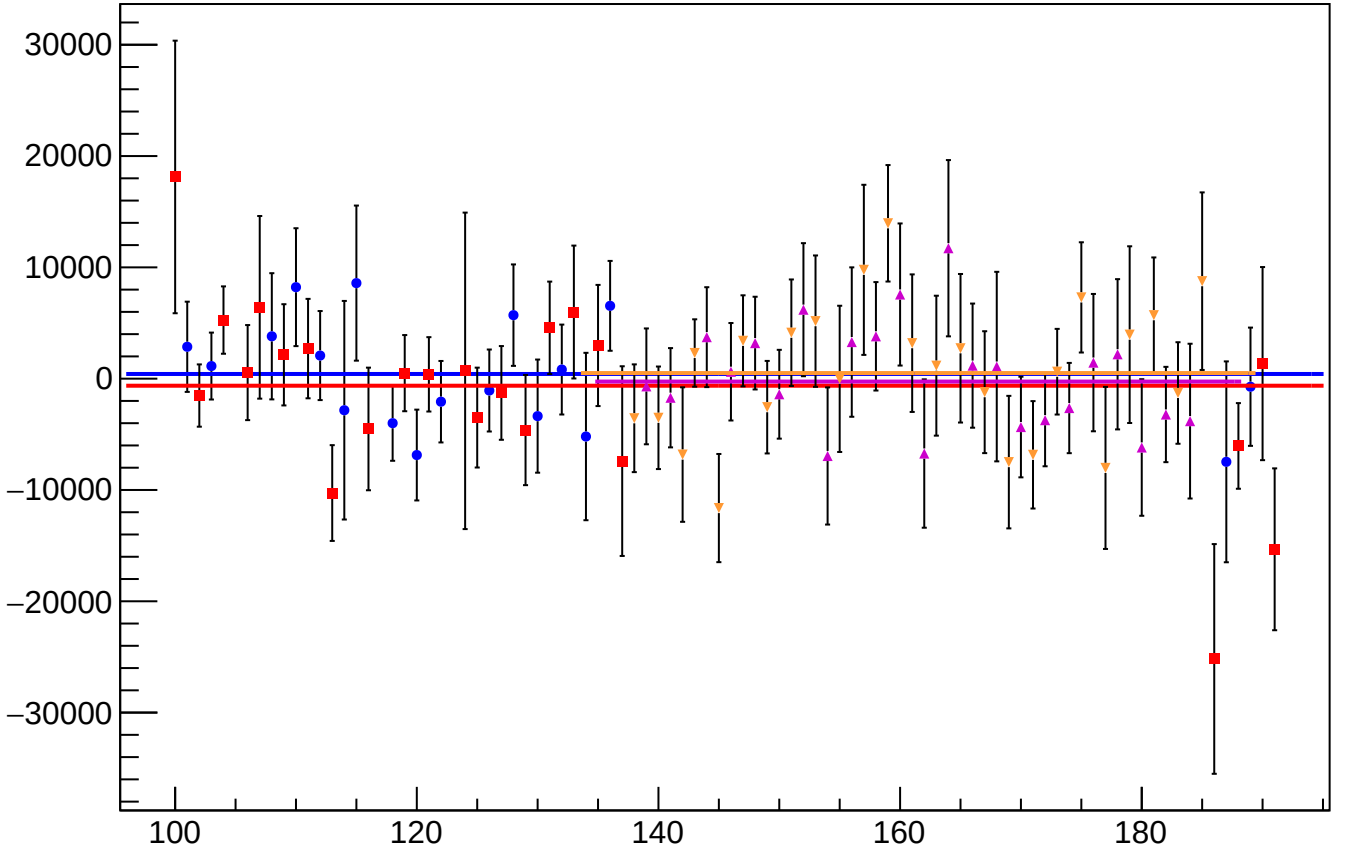
Left In: 1905.629+/-0.315 χ^2/NDF:52783.9/22

+ sign 1834.230+/-0.250 χ^2/NDF: 997006.2/42

All: 1845.497+/-0.178 χ^2/NDF: 1680776.4/88

- sign 1856.907+/-0.252 χ^2/NDF: 679698.2/45

asym_atr1l2_dd_eigen_dit_correction_mean vs Slug



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: -633.273+/-967.458 χ^2/NDF: 30.4/22

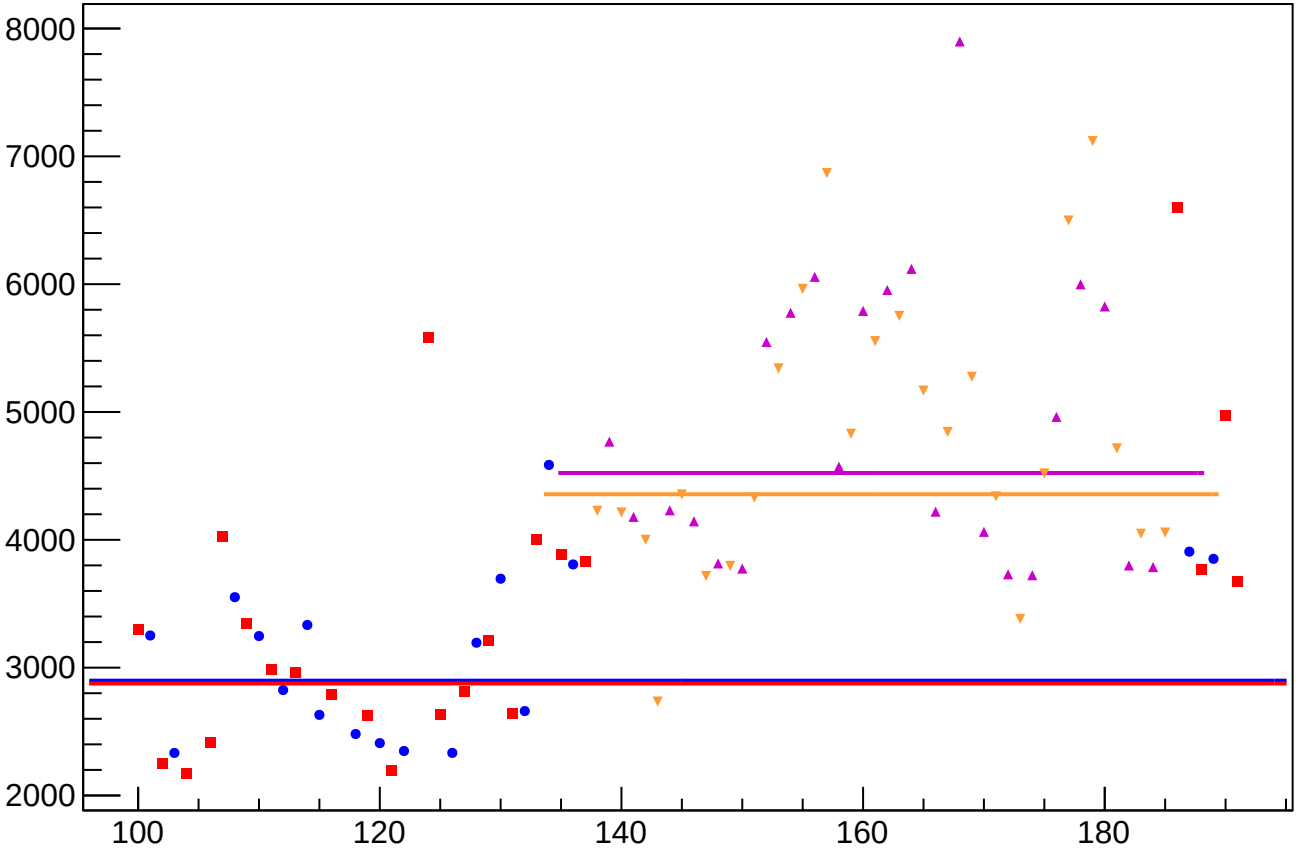
Left In: -261.051+/-1081.404 χ^2/NDF:13.6/22

+ sign 464.052+/-733.096 χ^2/NDF: 45.8/42

All: -9.607+/-514.057 χ^2/NDF: 90.7/88

- sign -467.799+/-721.027 χ^2/NDF: 44.1/45

asym_atr1l2_dd_eigen_dit_correction_rms vs Slug



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: 2876.097+/-0.684 χ^2/NDF: 1160035.8/22

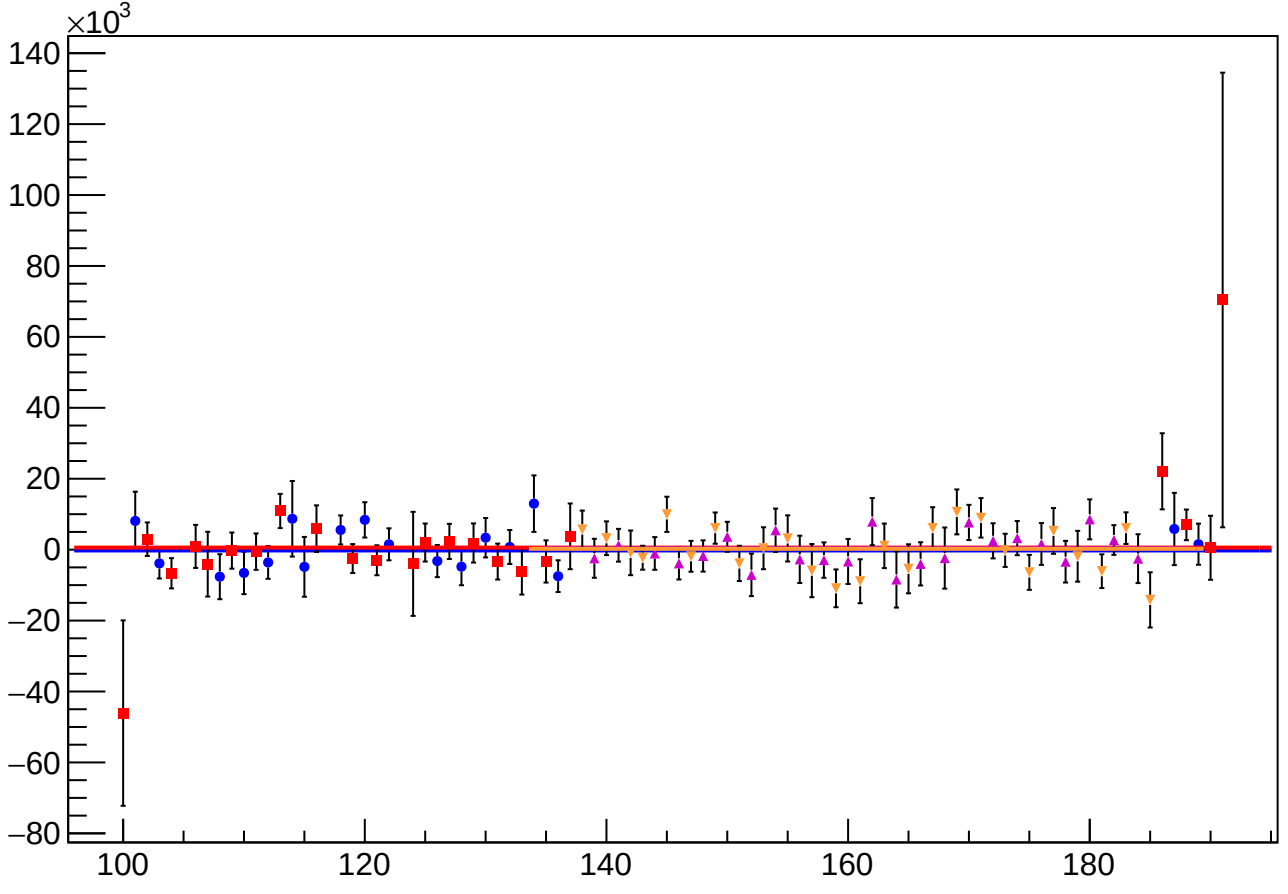
Left In: 4522.795+/-0.765 χ^2/NDF:1434009.9/22

+ sign 3649.065+/-0.518 χ^2/NDF: 4526096.1/42

All: 3628.267+/-0.363 χ^2/NDF: 9699162.3/88

- sign 3608.149+/-0.510 χ^2/NDF: 5169899.3/45

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: 583.371+/-1204.401 χ^2/NDF: 23.2/22

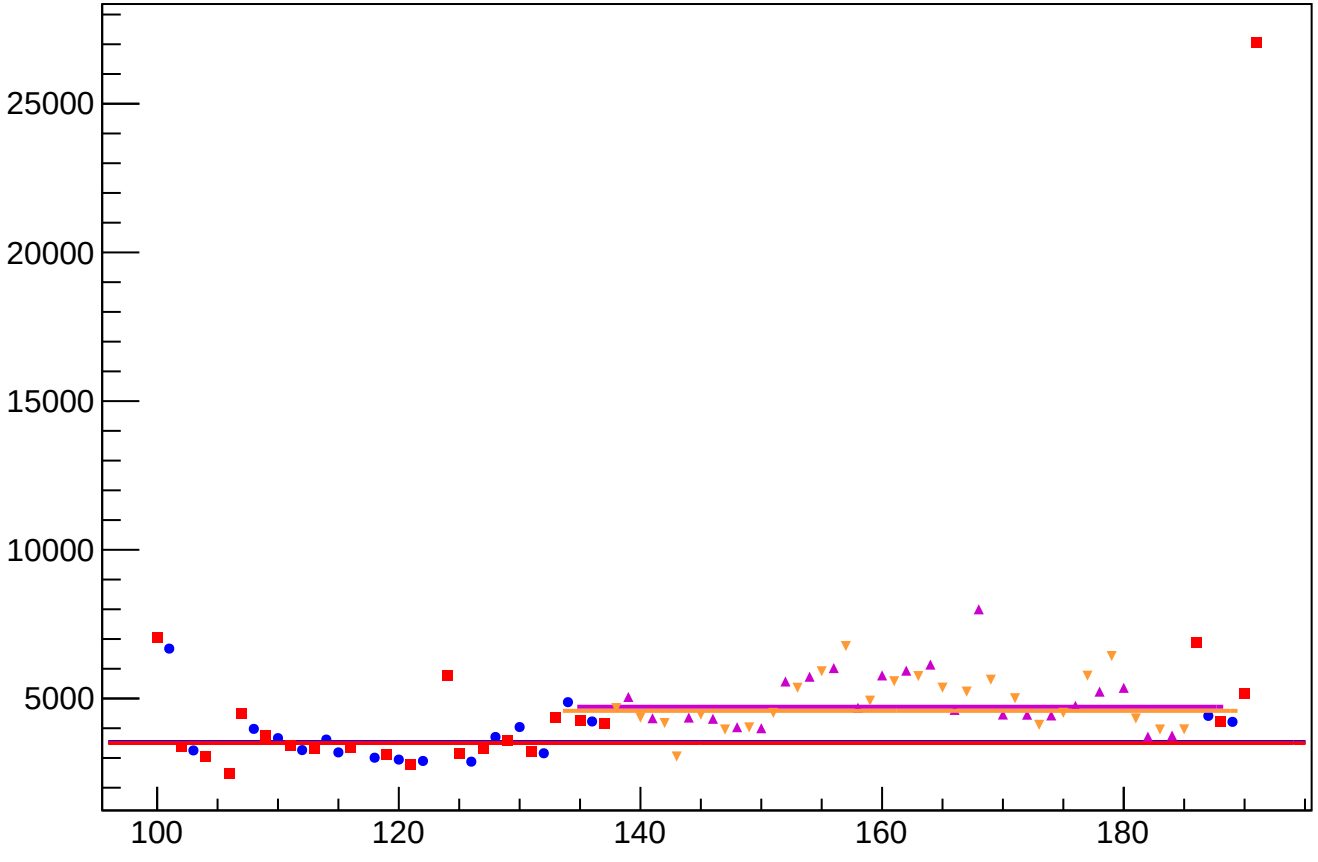
Left In: 397.881+/-1121.323 χ^2/NDF:14.2/22

\+ sign 49.299+/-819.445 χ^2/NDF: 50.6/42

All: 266.322+/-579.877 χ^2/NDF: 88.2/88

\- sign 484.009+/-820.695 χ^2/NDF: 37.4/45

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

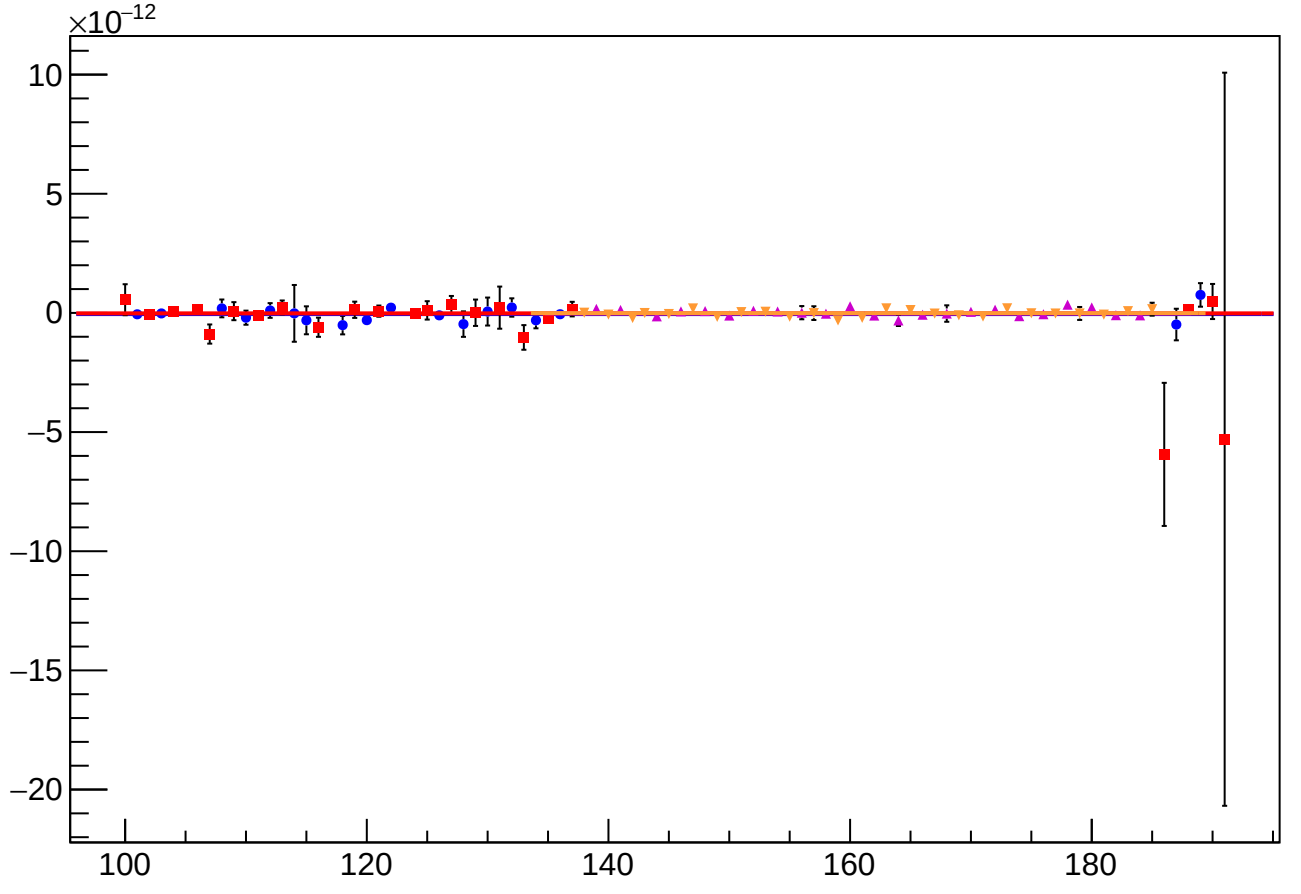
Right Out: 3504.031+/-0.841 χ^2/NDF: 1000126.4/22

Left In: 4723.014+/-0.793 χ^2/NDF:1016613.0/22

+ sign 4157.462+/-0.579 χ^2/NDF: 2742626.0/42

All: 4153.416+/-0.409 χ^2/NDF: 5871661.9/88

- sign 4149.404+/-0.577 χ^2/NDF: 3128938.9/45



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: 23.6/22

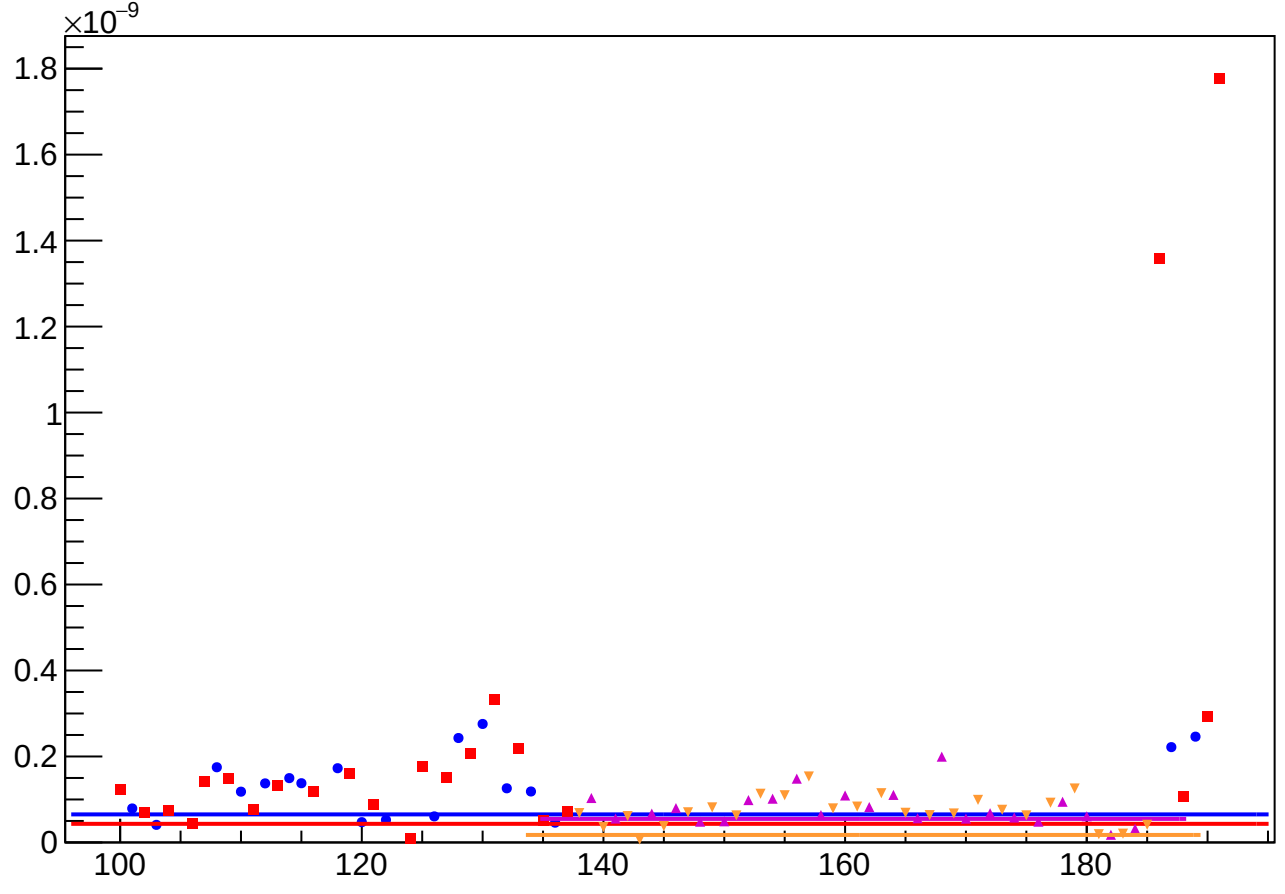
Left In: -0.000+/-0.000 χ^2/NDF:26.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.2/42

All: -0.000+/-0.000 χ^2/NDF: 85.0/88

- sign -0.000+/-0.000 χ^2/NDF: 49.7/45

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: 4007428.7/22

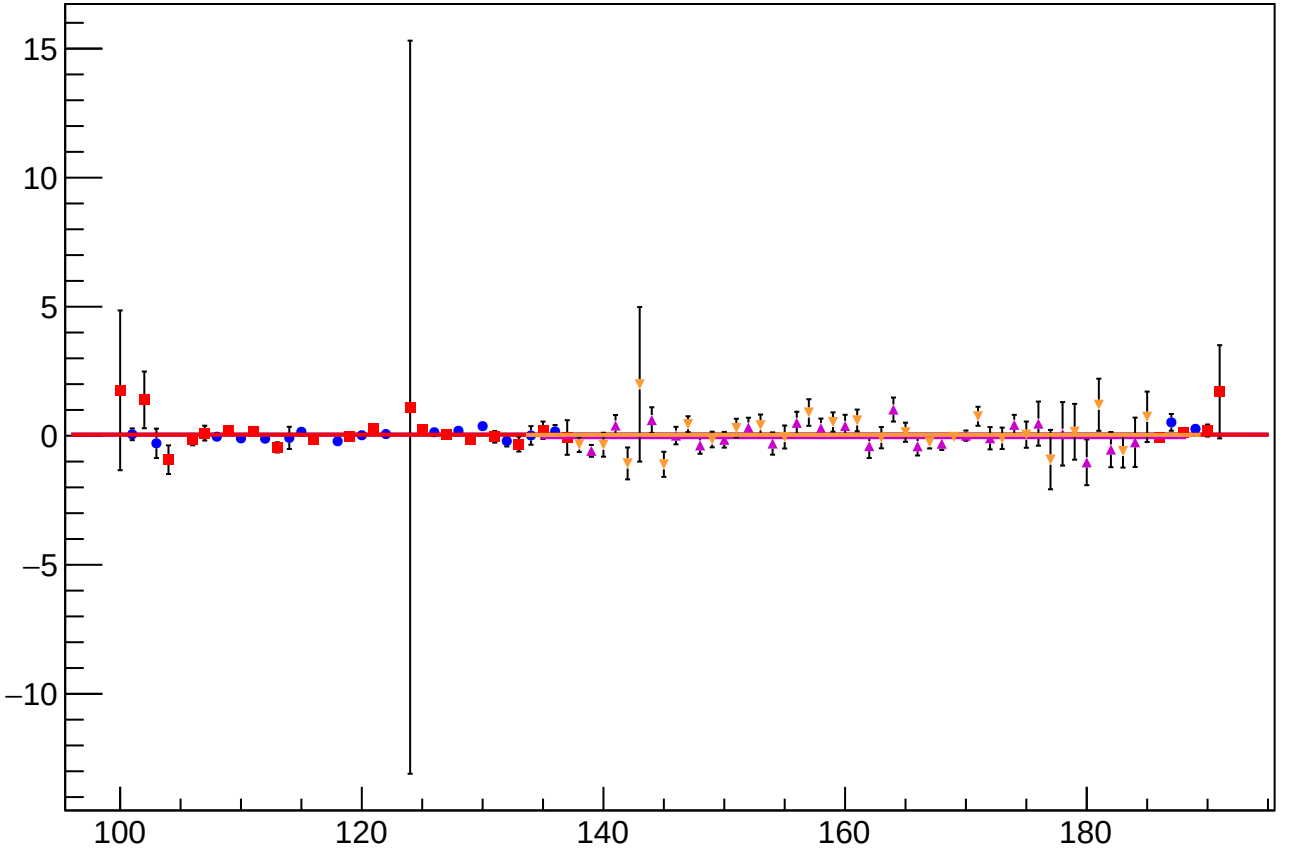
Left In: 0.000+/-0.000 χ^2/NDF:2798764.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 12882840.9/42

All: 0.000+/-0.000 χ^2/NDF: 23537420.8/88

- sign 0.000+/-0.000 χ^2/NDF: 6952752.9/45

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: 0.042+/-0.038 χ^2/NDF: 25.2/22

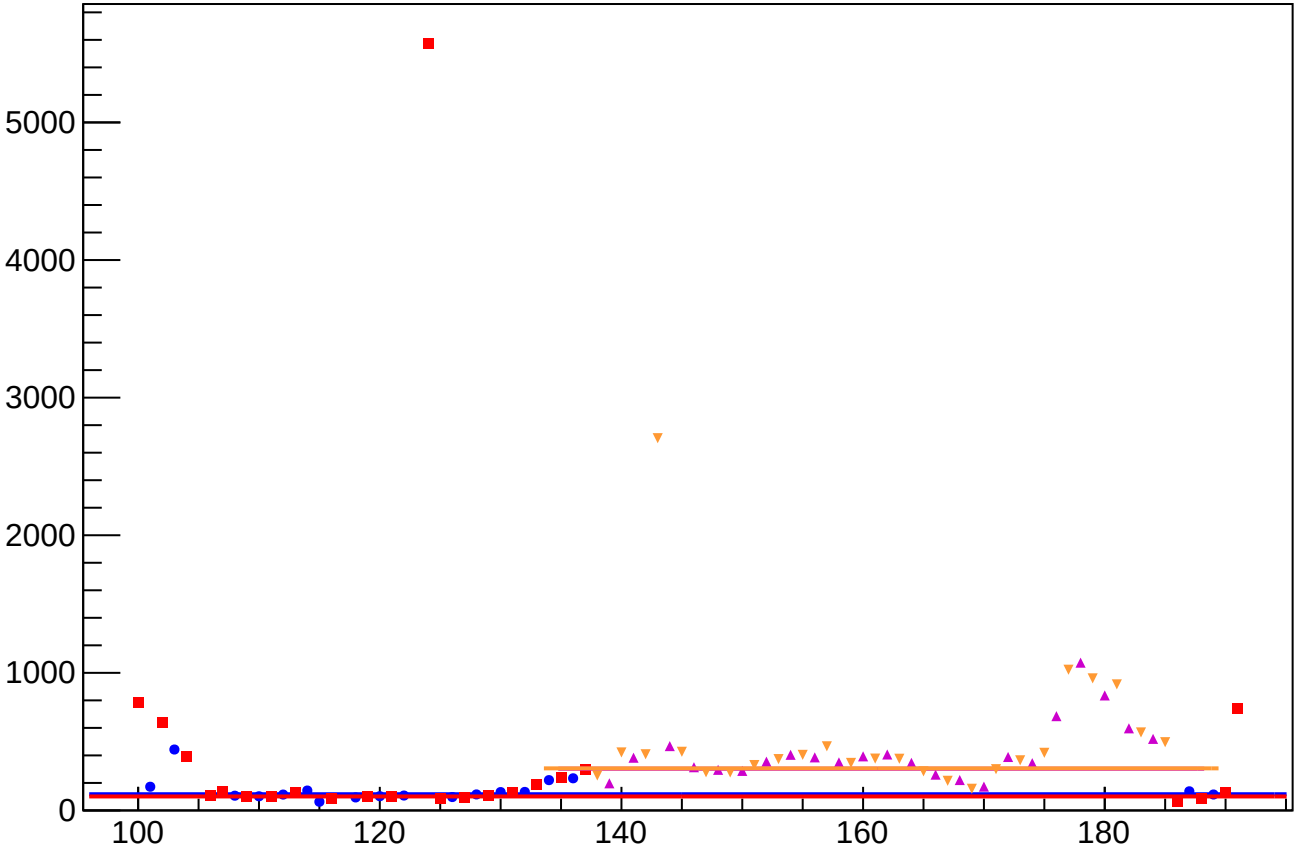
Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.042+/-0.039 χ^2/NDF: 46.6/42

All: 0.031+/-0.026 χ^2/NDF: 99.3/88

- sign 0.022+/-0.034 χ^2/NDF: 52.5/45

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

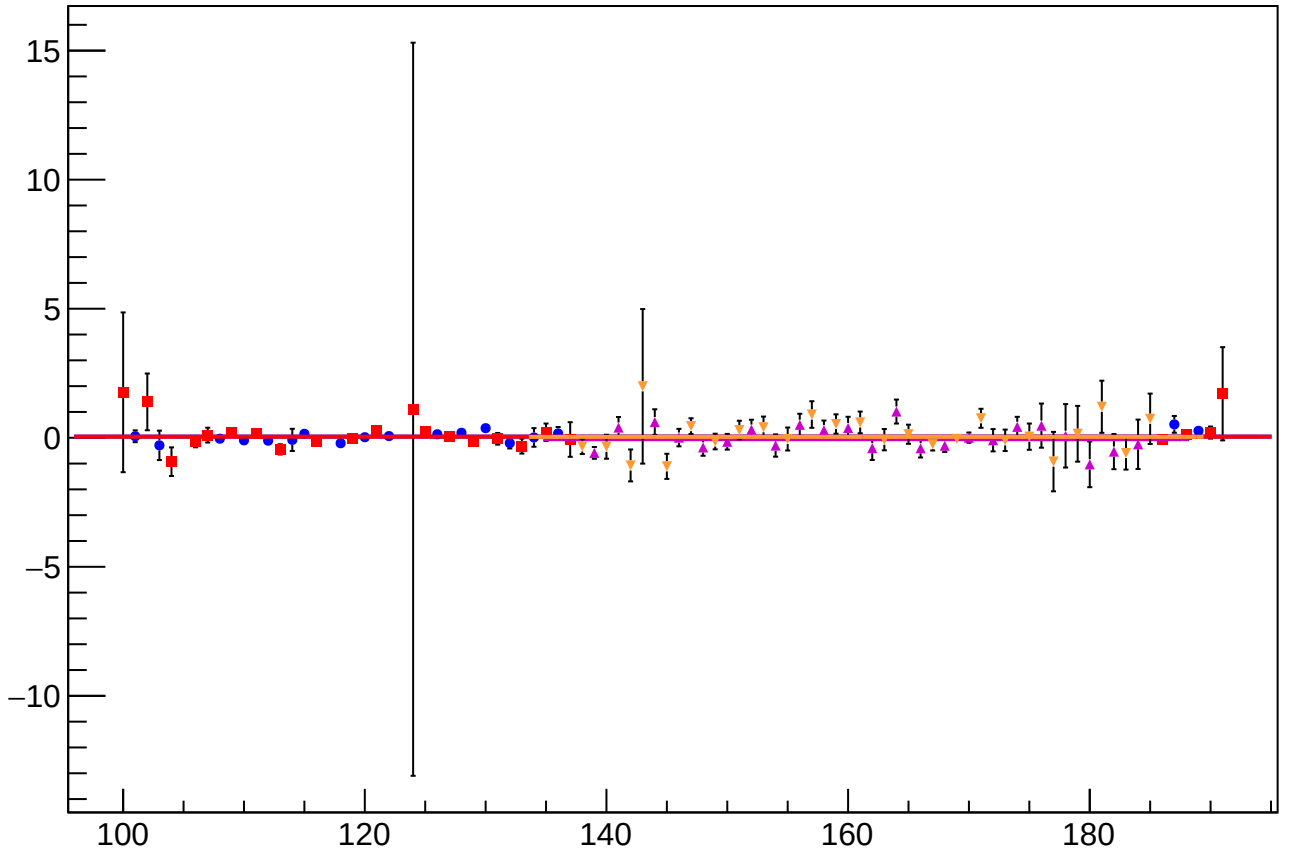
Right Out: 101.778+/-0.027 χ^2/NDF: 2890869.8/22

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 165.771+/-0.028 χ^2/NDF: 17043812.3/42

All: 152.172+/-0.018 χ^2/NDF: 36064136.7/88

- sign 141.741+/-0.024 χ^2/NDF: 18597394.8/45



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: 0.042+/-0.038 χ^2/NDF: 25.2/22

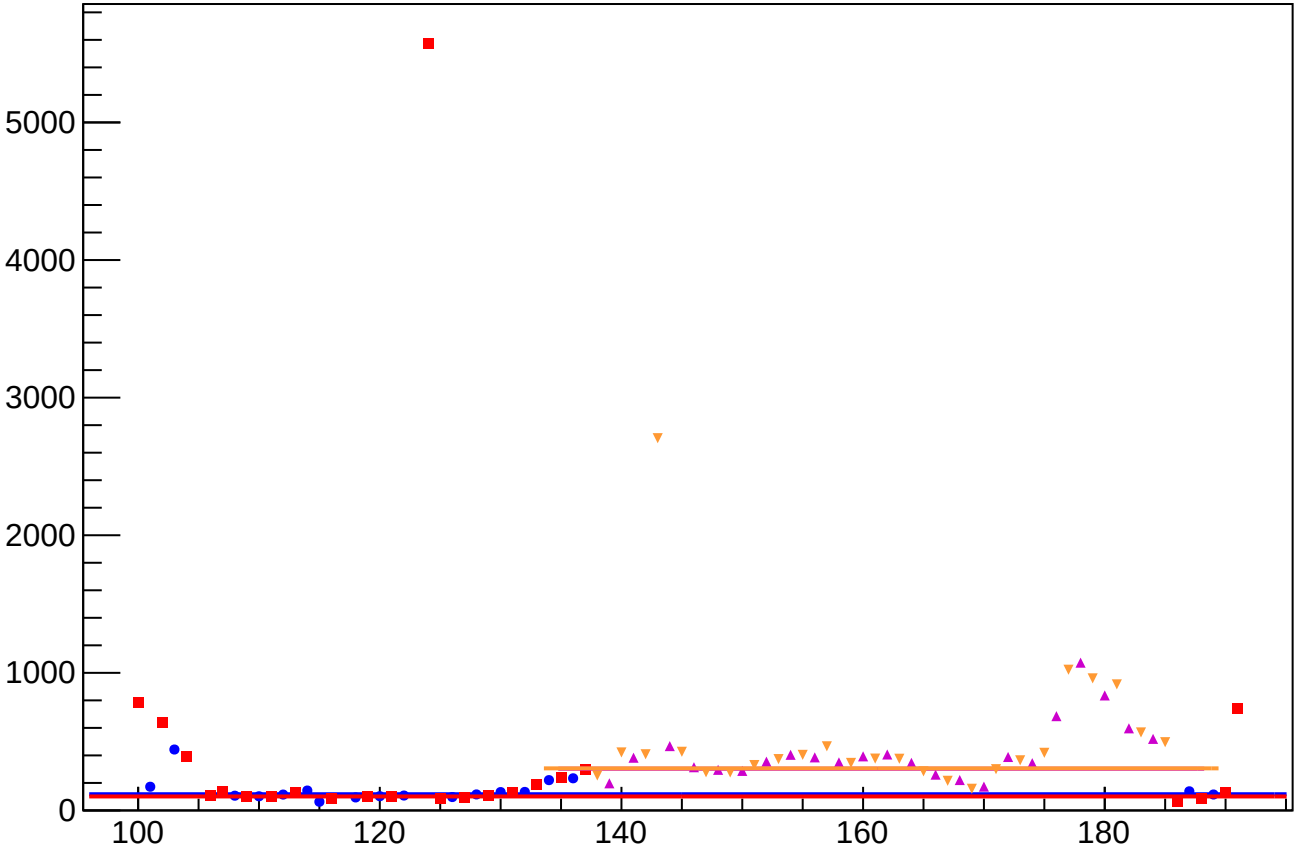
Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.042+/-0.039 χ^2/NDF: 46.6/42

All: 0.031+/-0.026 χ^2/NDF: 99.3/88

- sign 0.022+/-0.034 χ^2/NDF: 52.5/45

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

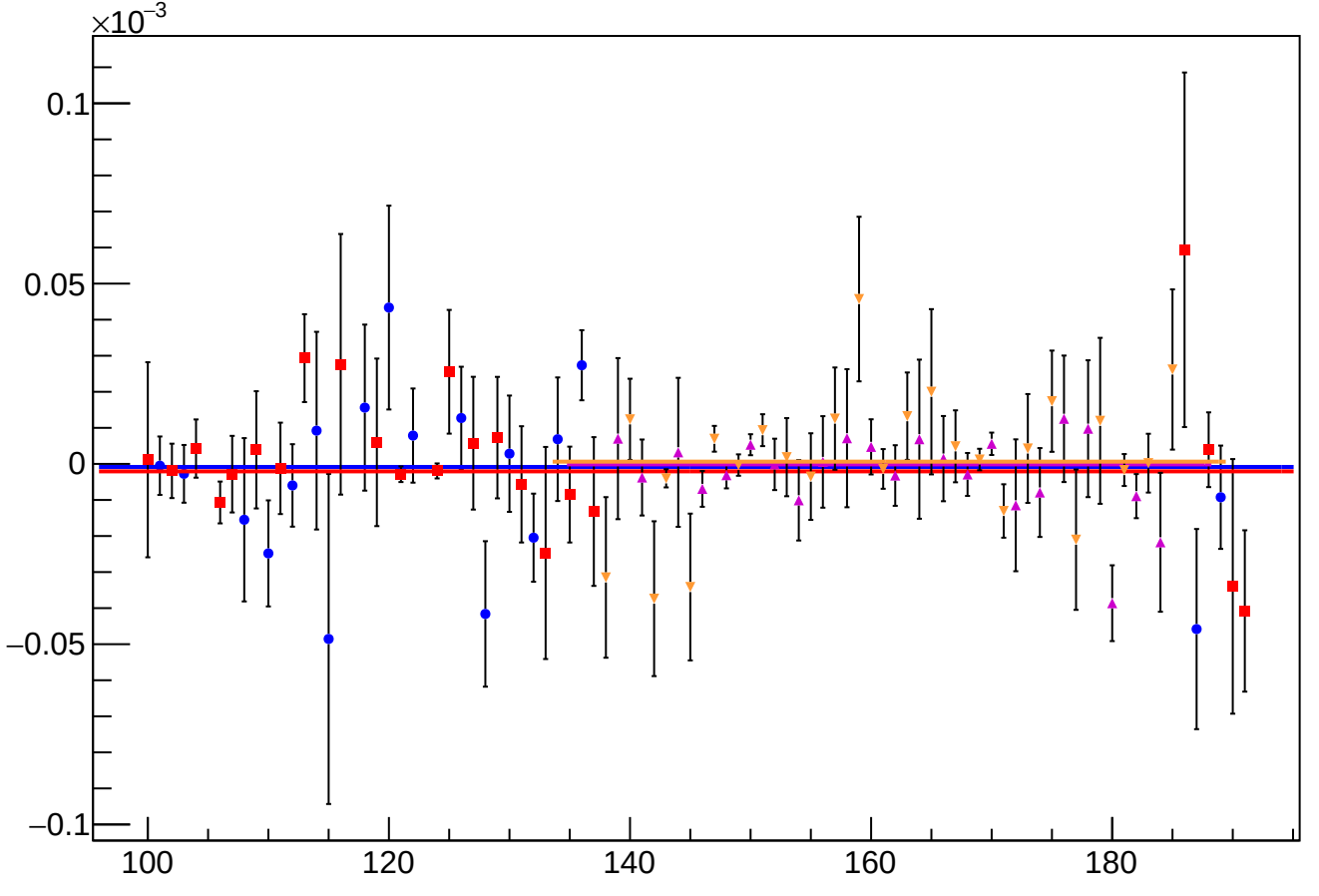
Right Out: 101.778+/-0.027 χ^2/NDF: 2890869.8/22

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 165.771+/-0.028 χ^2/NDF: 17043812.3/42

All: 152.172+/-0.018 χ^2/NDF: 36064136.7/88

- sign 141.741+/-0.024 χ^2/NDF: 18597394.8/45



Right In: -0.000+/-0.000 χ^2/NDF: 27.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:34.6/24

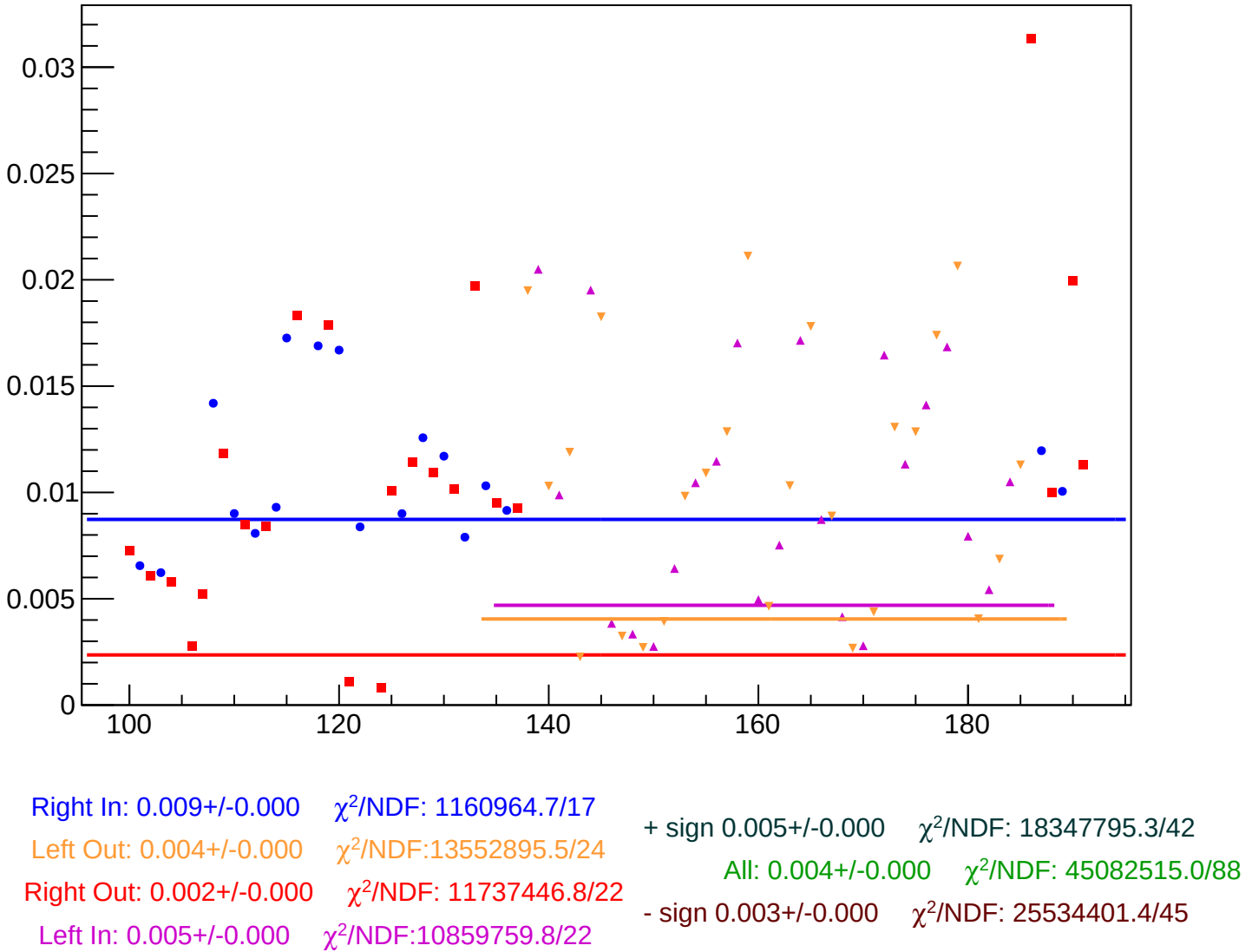
Right Out: -0.000+/-0.000 χ^2/NDF: 20.5/22

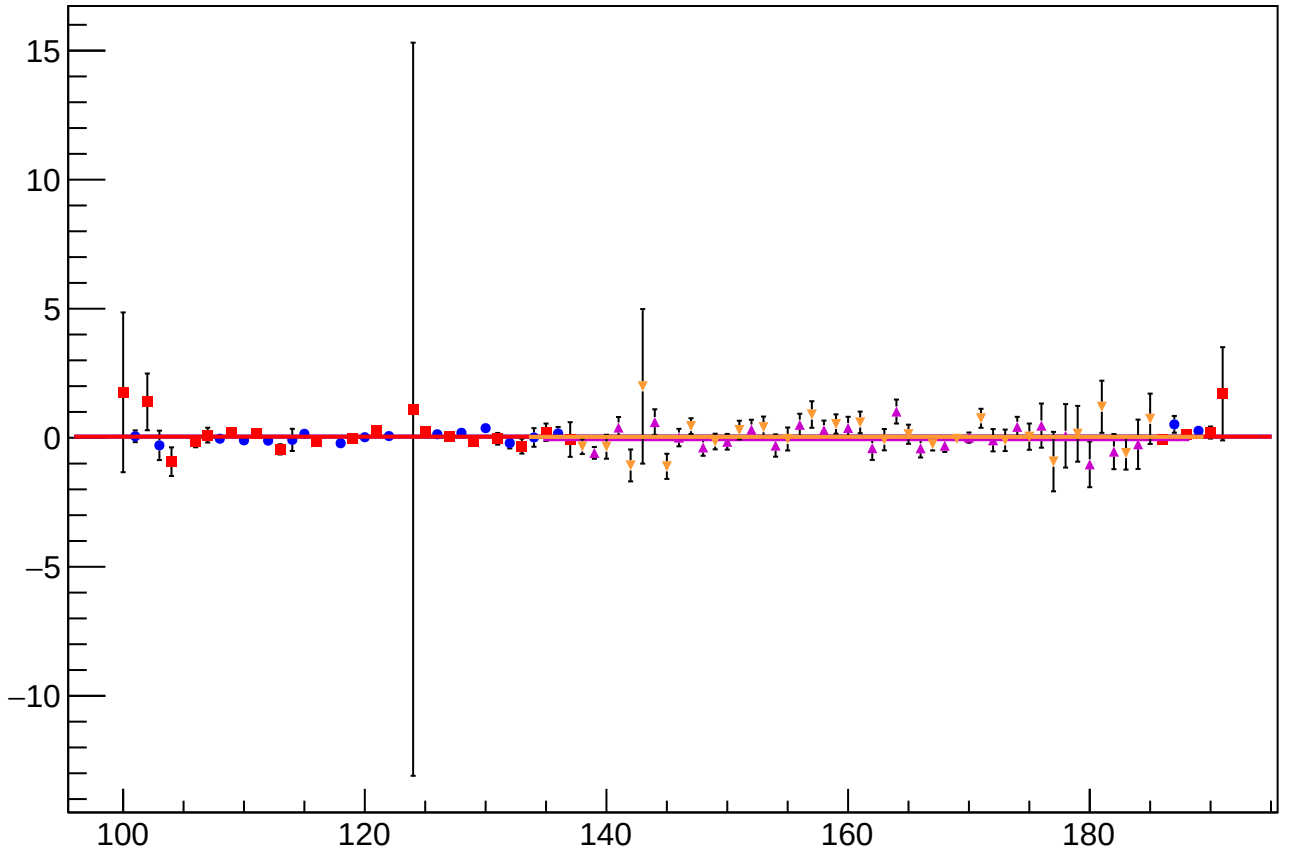
Left In: -0.000+/-0.000 χ^2/NDF:29.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.0/42

All: -0.000+/-0.000 χ^2/NDF: 114.5/88

- sign -0.000+/-0.000 χ^2/NDF: 51.3/45


asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
0
100
120
140
160
180
Right In: 0.009+/-0.000 χ²/NDF: 1160964.7/17
Left Out: 0.004+/-0.000 χ²/NDF:13552895.5/24
Right Out: 0.002+/-0.000 χ²/NDF: 11737446.8/22
Left In: 0.005+/-0.000 χ²/NDF:10859759.8/22
+ sign 0.005+/-0.000 χ²/NDF: 18347795.3/42
All: 0.004+/-0.000 χ²/NDF: 45082515.0/88
- sign 0.003+/-0.000 χ²/NDF: 25534401.4/45



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: 0.042+/-0.038 χ^2/NDF: 25.2/22

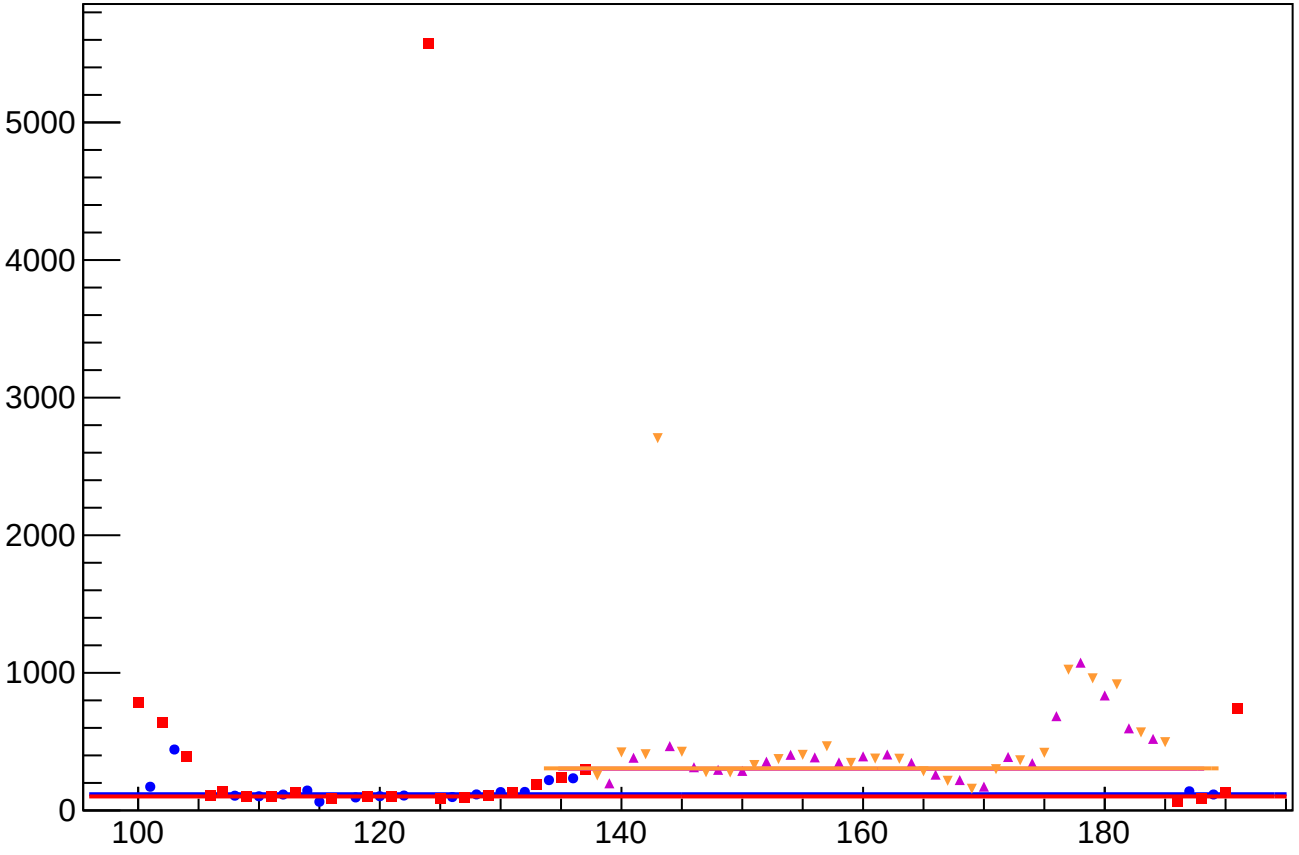
Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

+ sign 0.042+/-0.039 χ^2/NDF: 46.6/42

All: 0.031+/-0.026 χ^2/NDF: 99.3/88

- sign 0.022+/-0.034 χ^2/NDF: 52.5/45

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

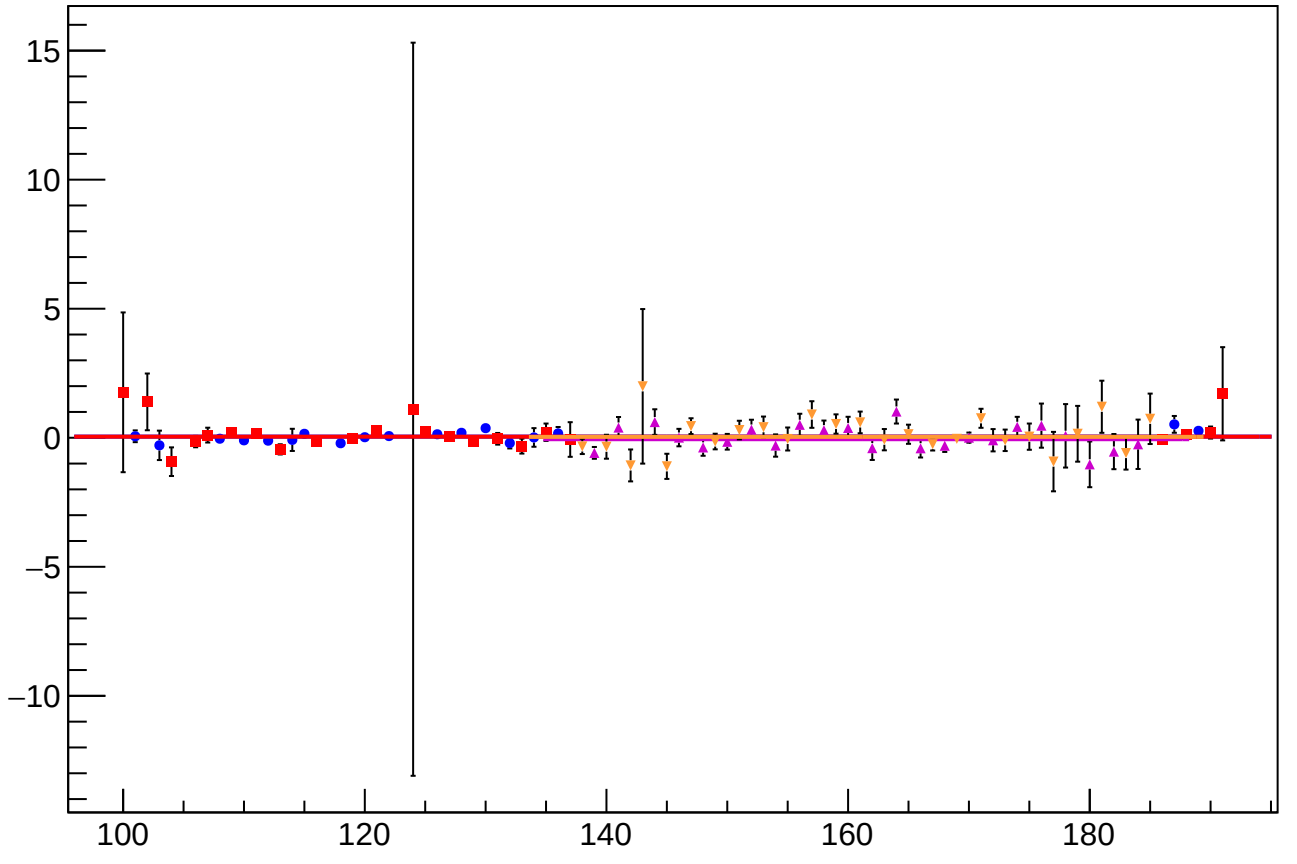
Right Out: 101.779+/-0.027 χ^2/NDF: 2890715.7/22

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 165.771+/-0.028 χ^2/NDF: 17043889.7/42

All: 152.173+/-0.018 χ^2/NDF: 36064051.6/88

- sign 141.742+/-0.024 χ^2/NDF: 18597255.7/45



Right In: 0.045+/-0.046 χ^2/NDF: 16.2/17

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

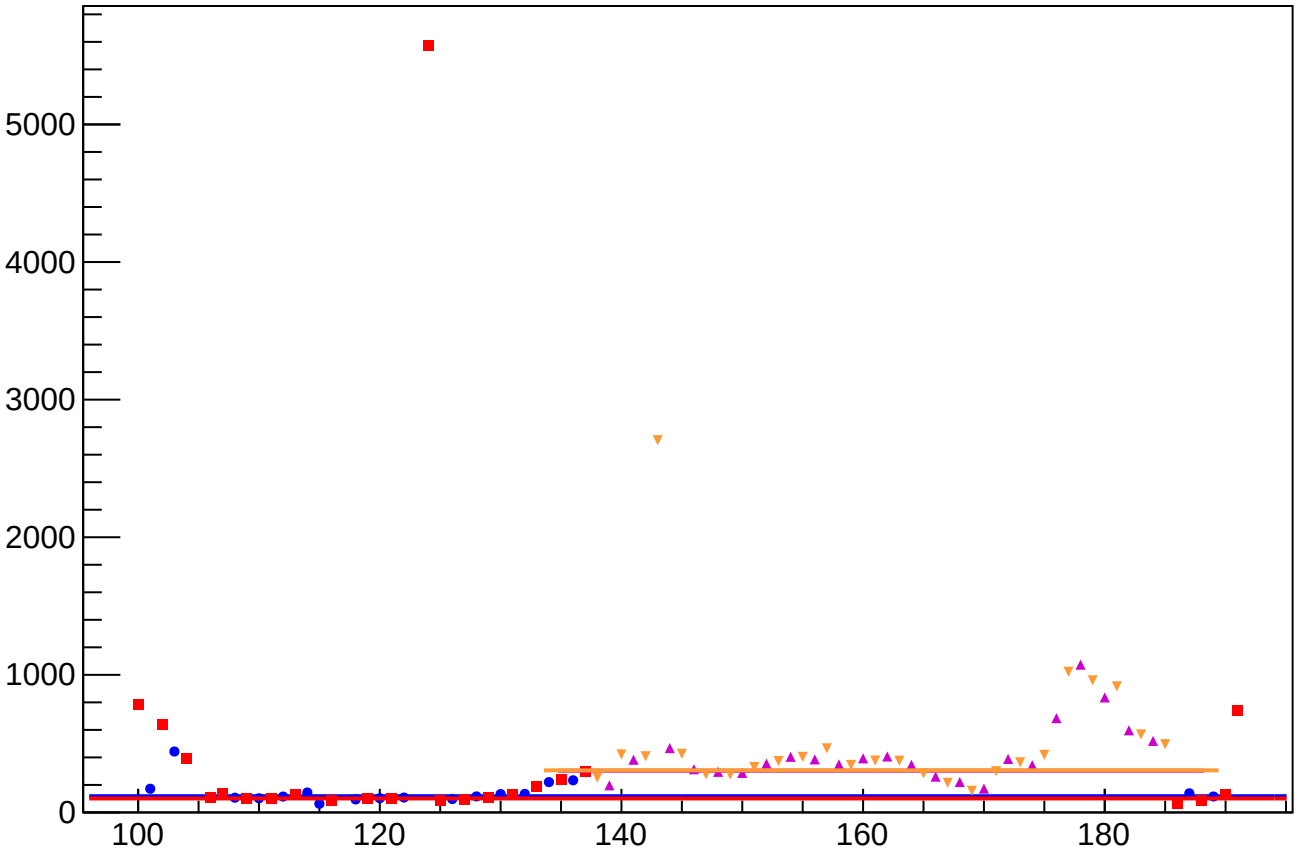
Right Out: 0.042+/-0.038 χ^2/NDF: 25.2/22

Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

+ sign 0.042+/-0.039 χ^2/NDF: 46.6/42

All: 0.031+/-0.026 χ^2/NDF: 99.3/88

- sign 0.022+/-0.034 χ^2/NDF: 52.5/45



Right In: 117.943+/-0.032 χ^2/NDF: 1731187.7/17

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

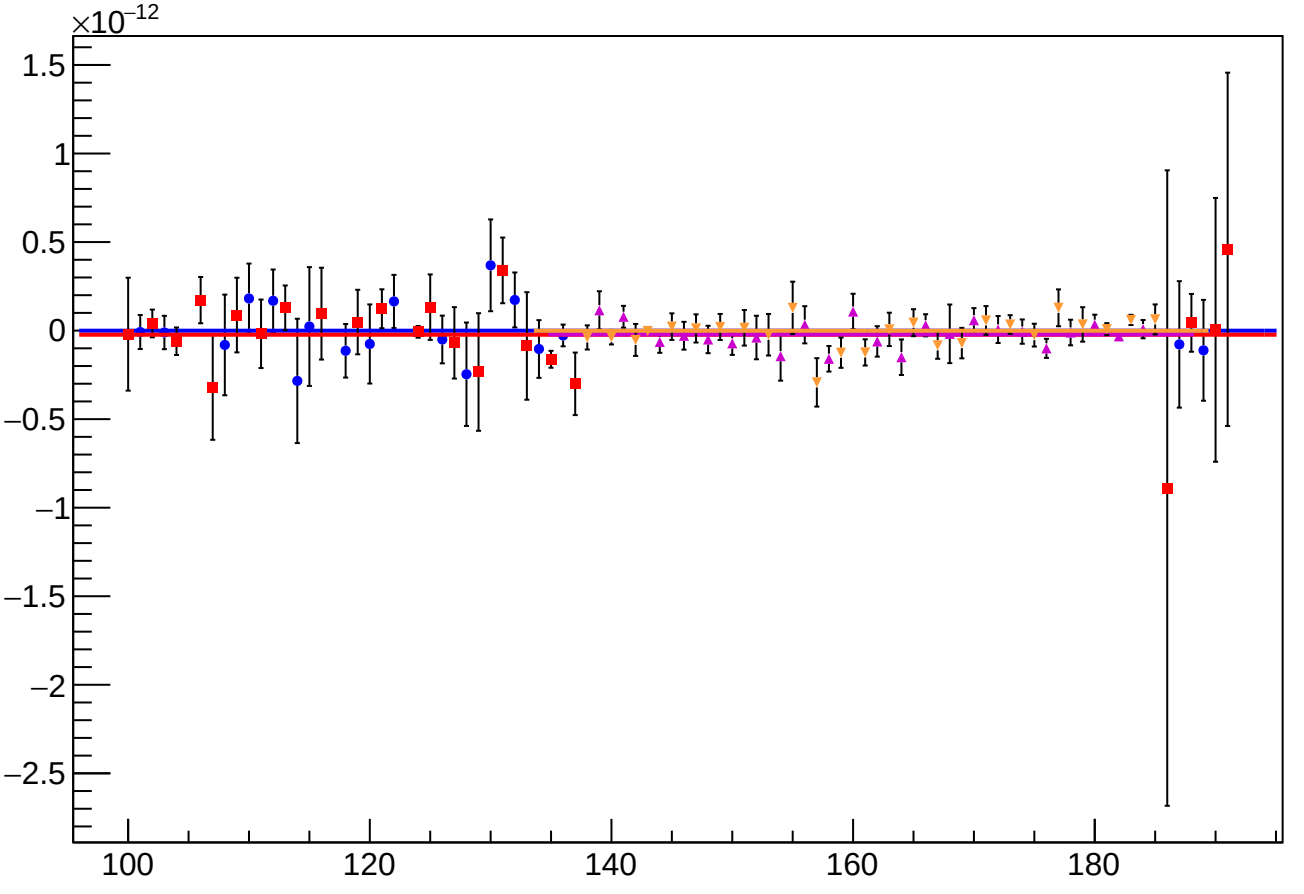
Right Out: 101.779+/-0.027 χ^2/NDF: 2890715.7/22

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 165.771+/-0.028 χ^2/NDF: 17043889.7/42

All: 152.173+/-0.018 χ^2/NDF: 36064051.6/88

- sign 141.742+/-0.024 χ^2/NDF: 18597255.7/45



Right In: -0.000+/-0.000 χ^2/NDF: 9.3/17

Left Out: -0.000+/-0.000 χ^2/NDF:22.0/24

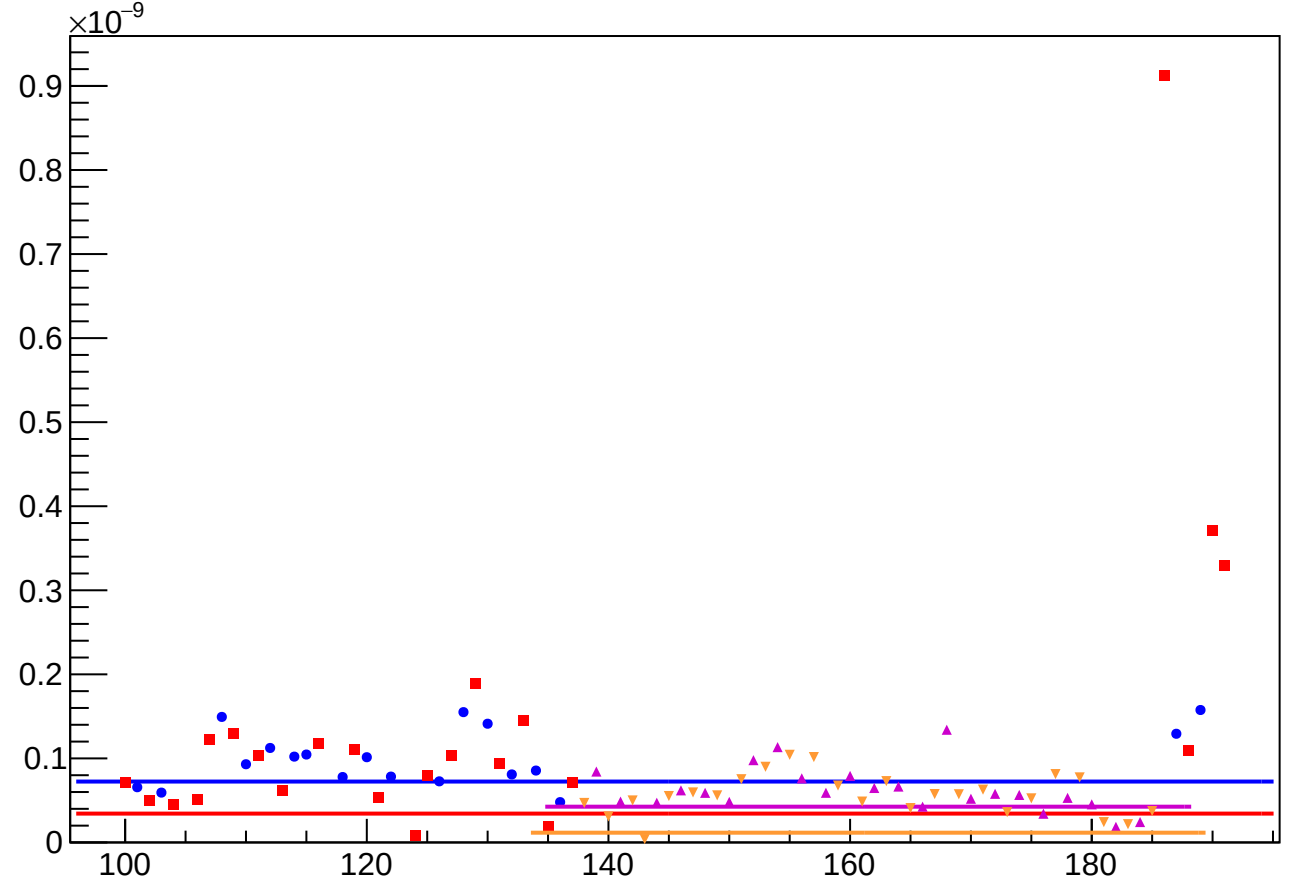
Right Out: -0.000+/-0.000 χ^2/NDF: 24.9/22

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 31.3/42

All: -0.000+/-0.000 χ^2/NDF: 78.6/88

- sign -0.000+/-0.000 χ^2/NDF: 44.4/45



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: 5952755.3/22

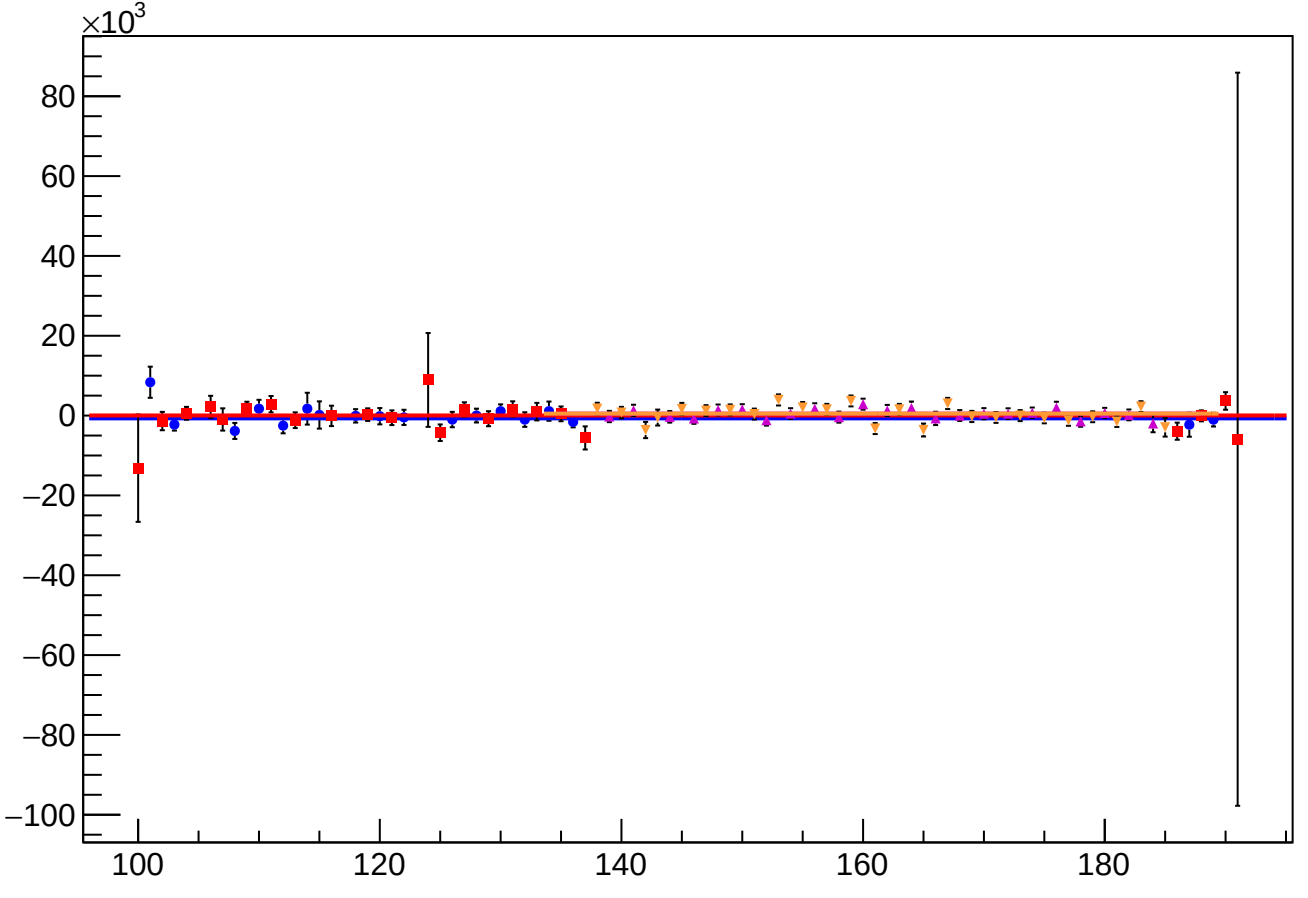
Left In: 0.000+/-0.000 χ^2/NDF:5419961.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 25324658.2/42

All: 0.000+/-0.000 χ^2/NDF: 45917492.2/88

- sign 0.000+/-0.000 χ^2/NDF: 11586305.0/45

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: 30.006+/-440.408 χ^2/NDF: 22.0/22

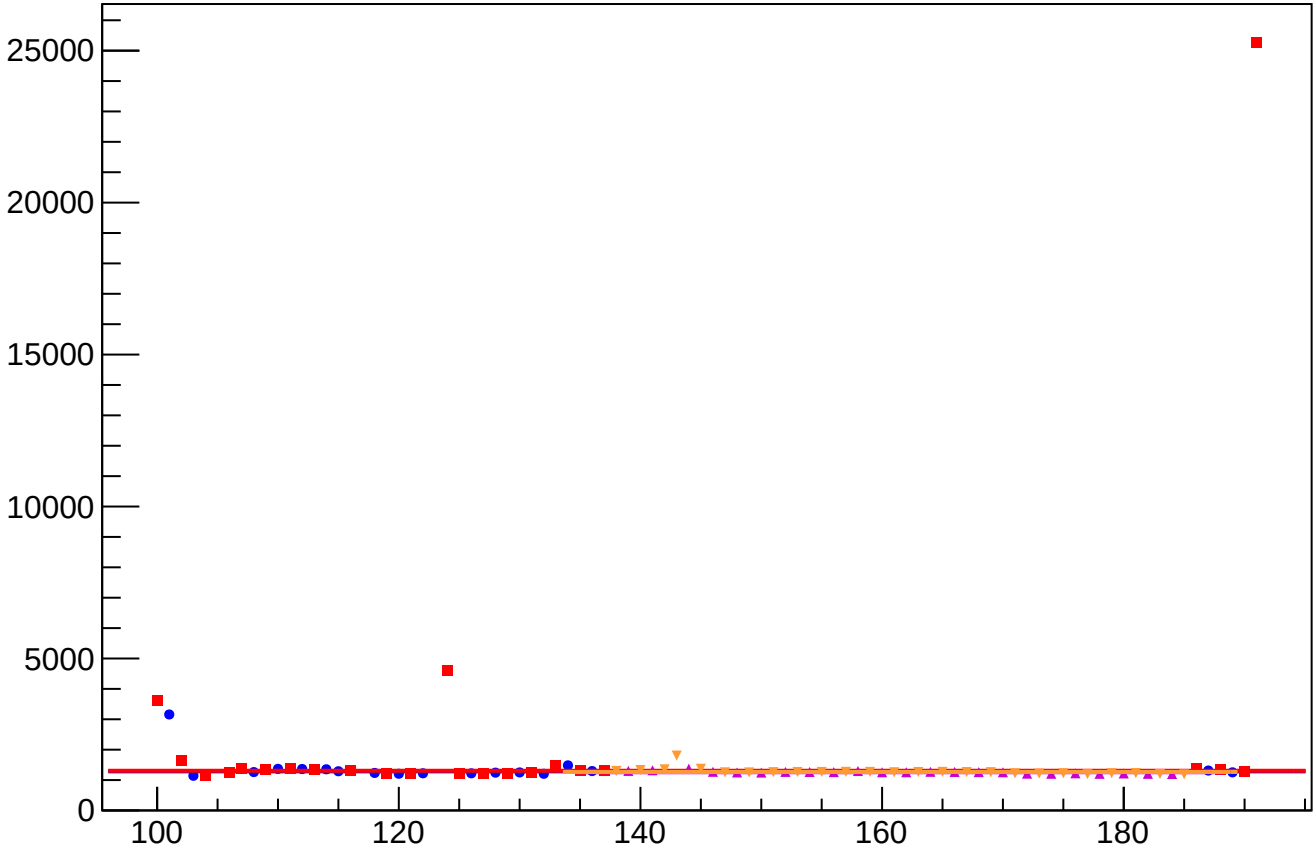
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 160.790+/-245.075 χ^2/NDF: 65.9/42

All: 253.732+/-173.051 χ^2/NDF: 103.3/88

- sign 346.154+/-244.389 χ^2/NDF: 37.2/45

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

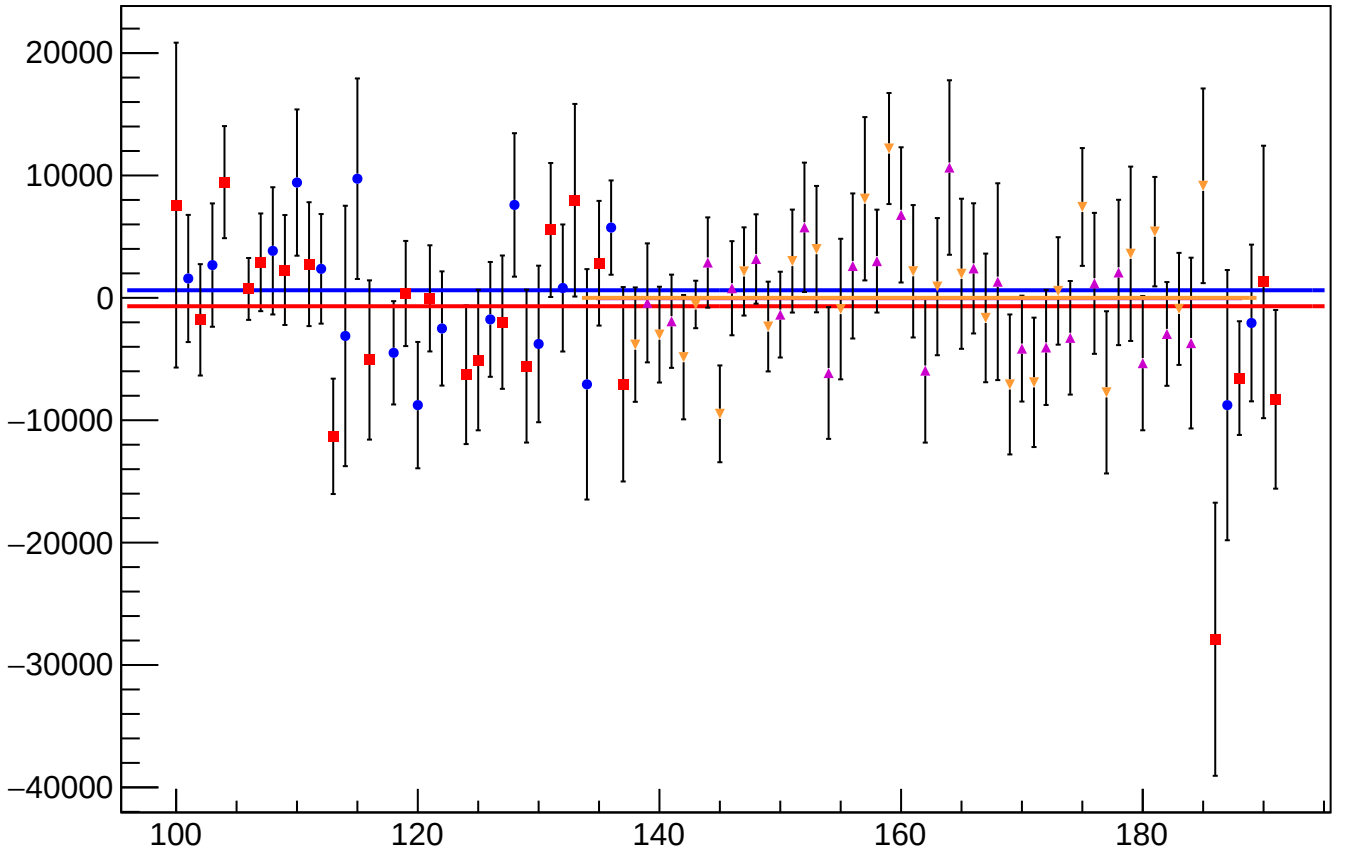
Right Out: 1306.165+/-0.311 χ^2/NDF: 464347.1/22

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1272.677+/-0.173 χ^2/NDF: 705950.0/42

All: 1272.621+/-0.122 χ^2/NDF: 1224028.4/88

- sign 1272.565+/-0.173 χ^2/NDF: 518078.2/45



Right In: 620.492+/-1288.899 χ^2/NDF: 15.0/17

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

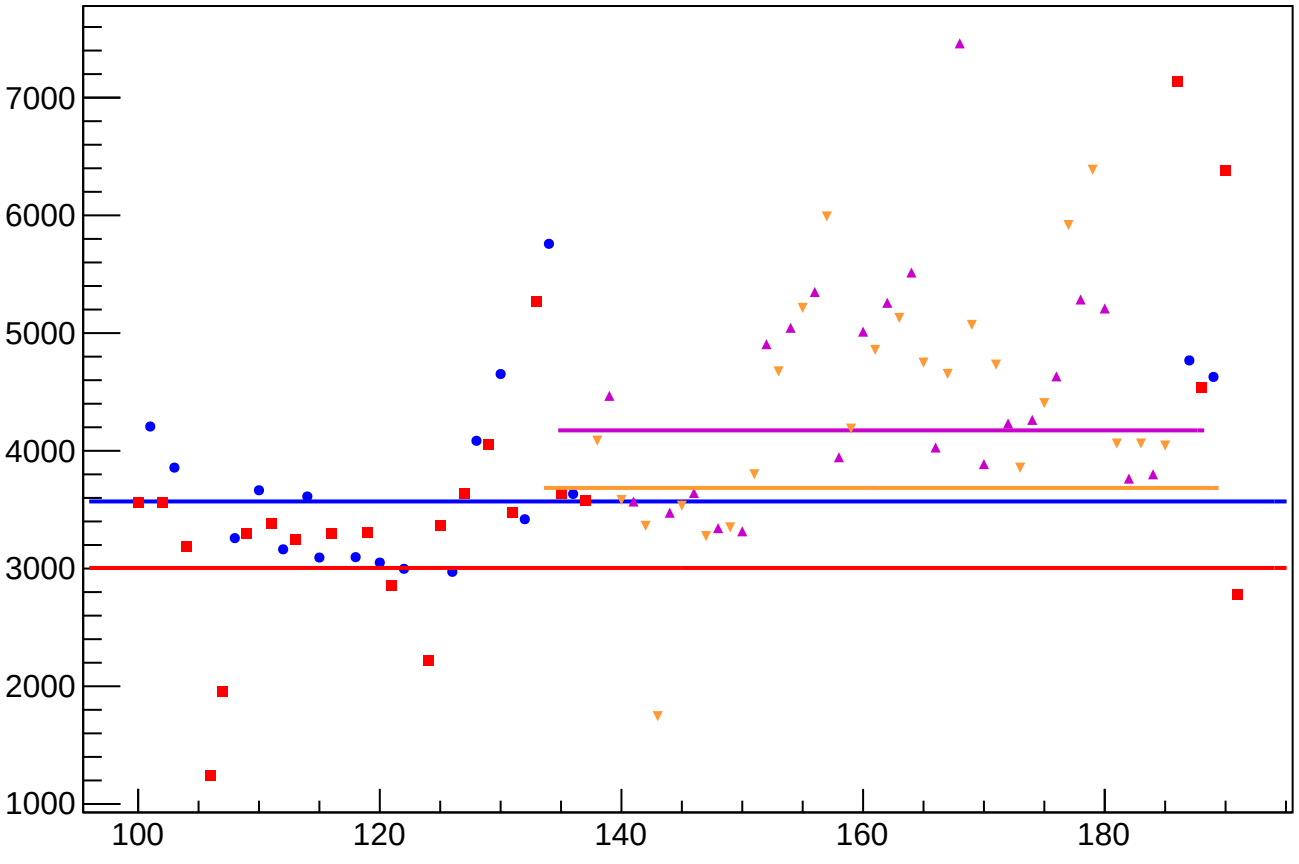
Right Out: -684.995+/-1059.241 χ^2/NDF: 27.5/22

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign 198.853+/-730.405 χ^2/NDF: 44.2/42

All: -71.434+/-514.679 χ^2/NDF: 86.2/88

- sign -337.994+/-725.354 χ^2/NDF: 41.8/45



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: 3005.128+/-0.749 χ^2/NDF: 2218383.6/22

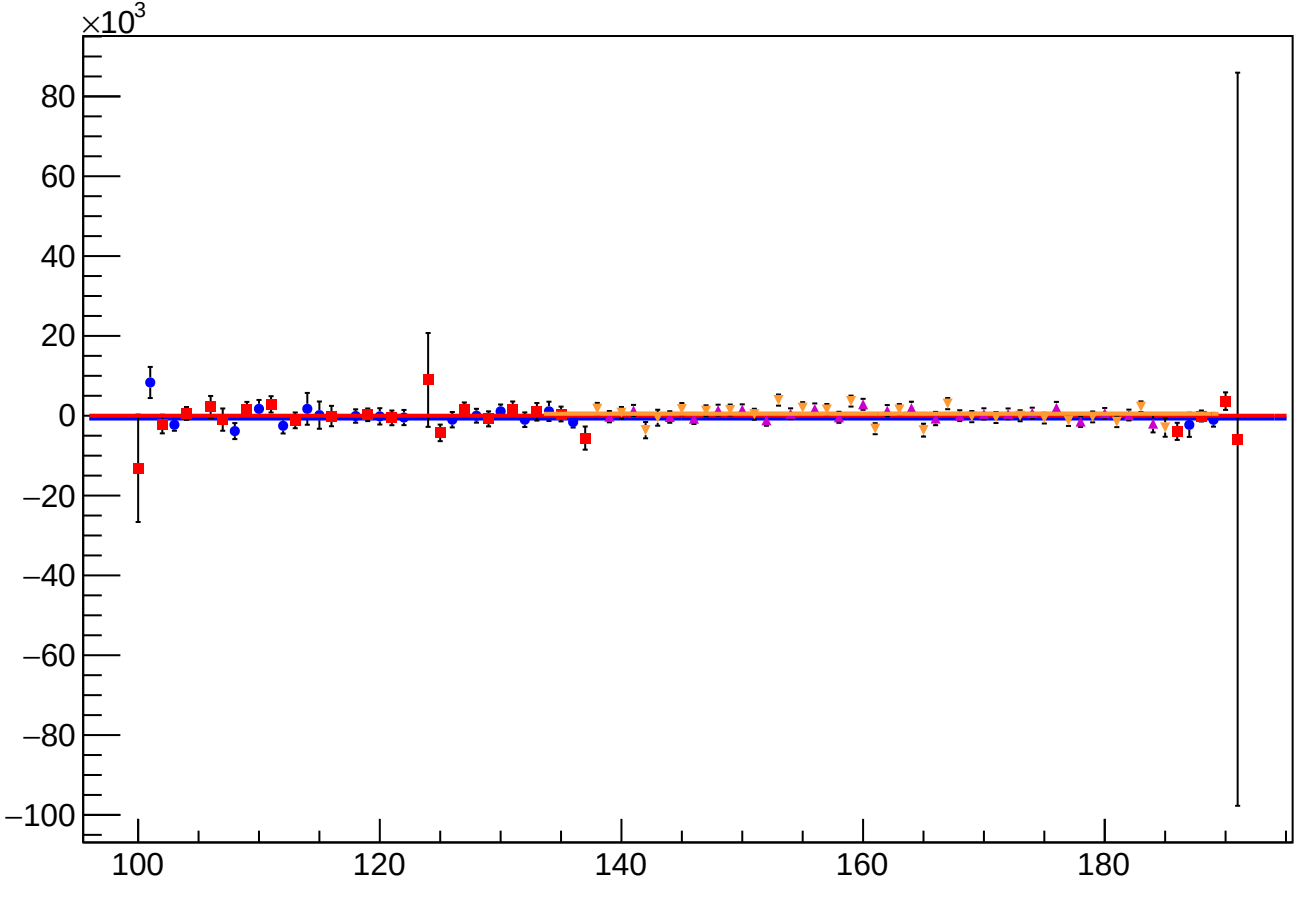
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3647.905+/-0.516 χ^2/NDF: 4140994.7/42

All: 3636.696+/-0.364 χ^2/NDF: 8927676.9/88

- sign 3625.642+/-0.513 χ^2/NDF: 4785746.7/45

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: 6.324+/-440.646 χ^2/NDF: 22.4/22

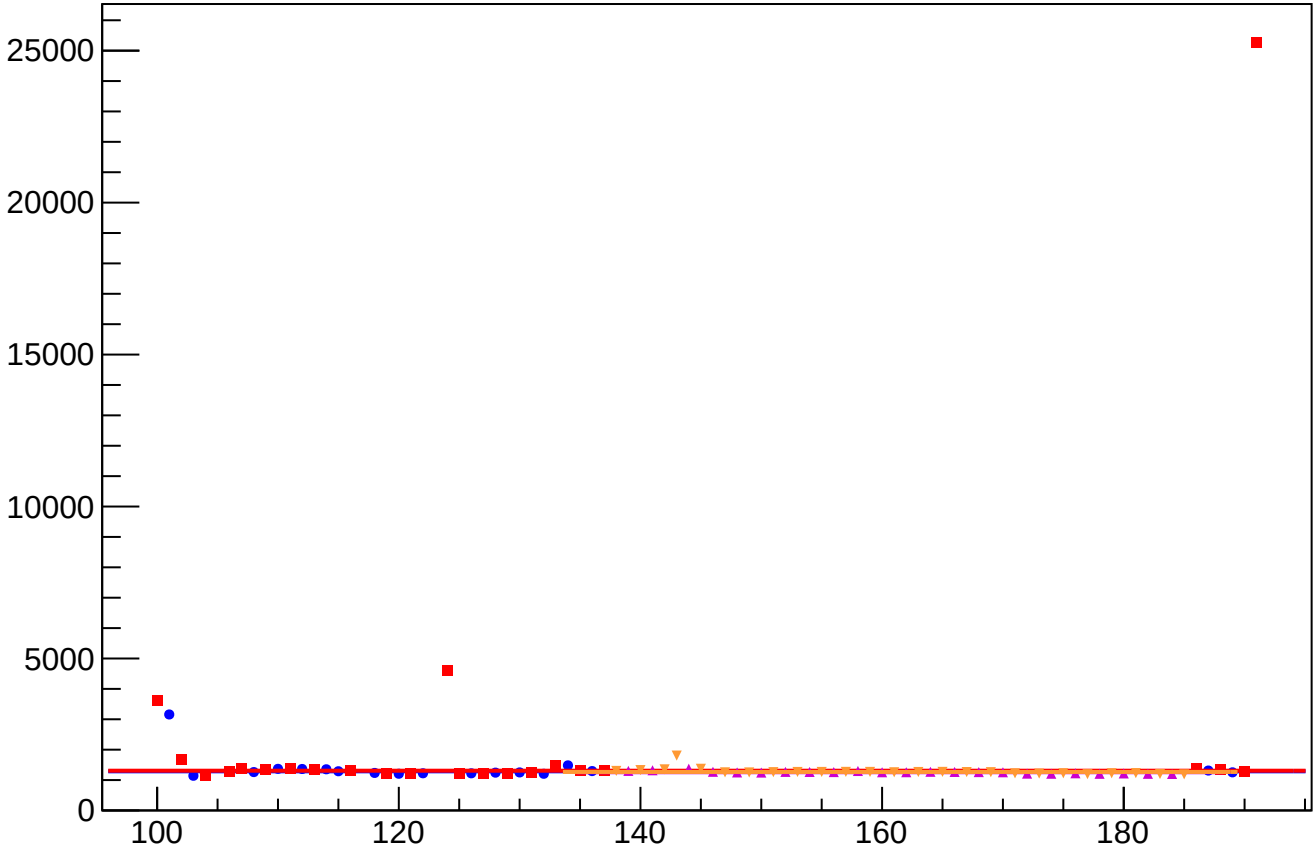
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 160.700+/-245.075 χ^2/NDF: 65.8/42

All: 250.036+/-173.065 χ^2/NDF: 103.8/88

- sign 338.902+/-244.429 χ^2/NDF: 37.7/45

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

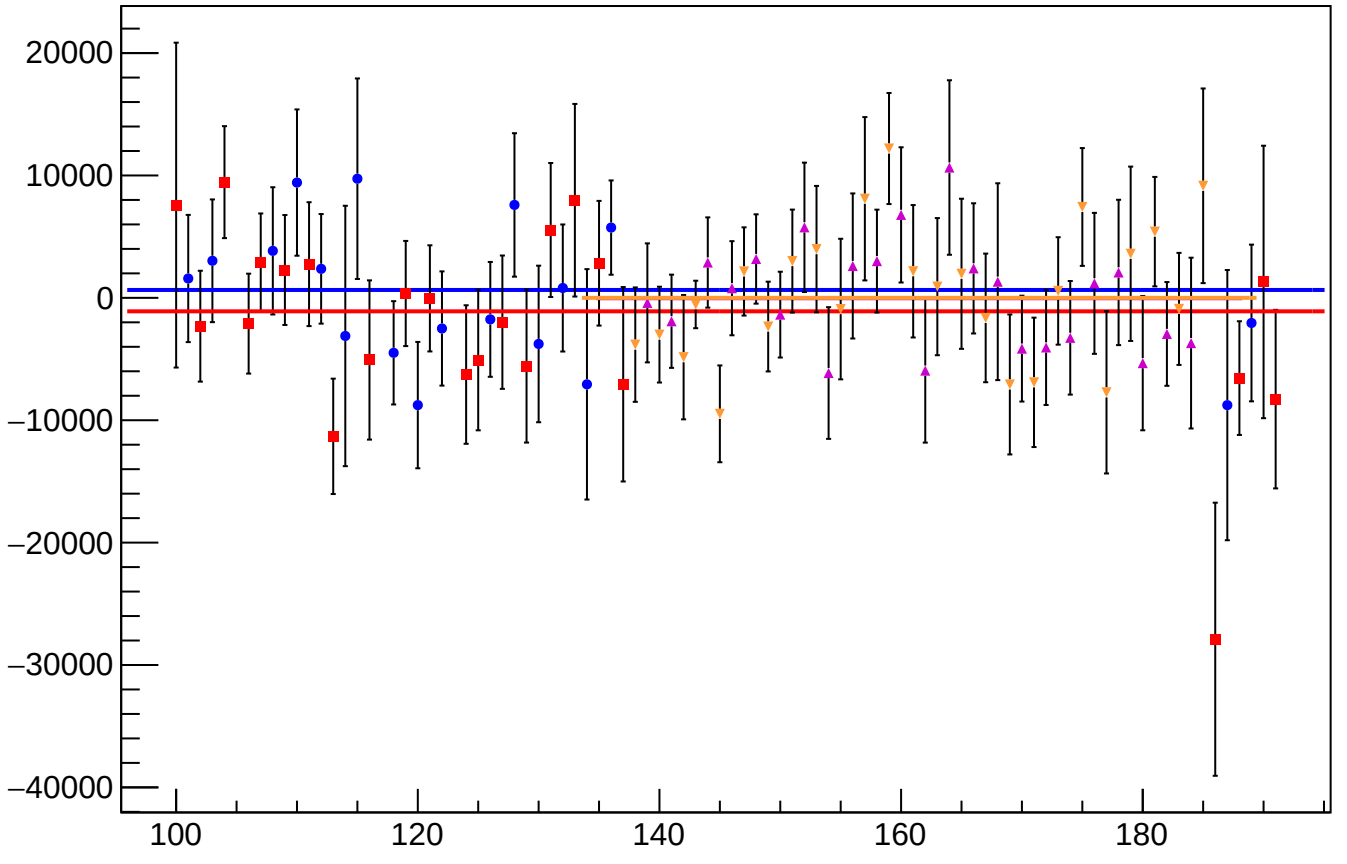
Right Out: 1307.837+/-0.311 χ^2/NDF: 470627.6/22

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1272.676+/-0.173 χ^2/NDF: 705951.4/42

All: 1272.867+/-0.122 χ^2/NDF: 1231466.8/88

- sign 1273.057+/-0.173 χ^2/NDF: 525513.0/45



Right In: 644.987+/-1288.480 χ^2/NDF: 15.0/17

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

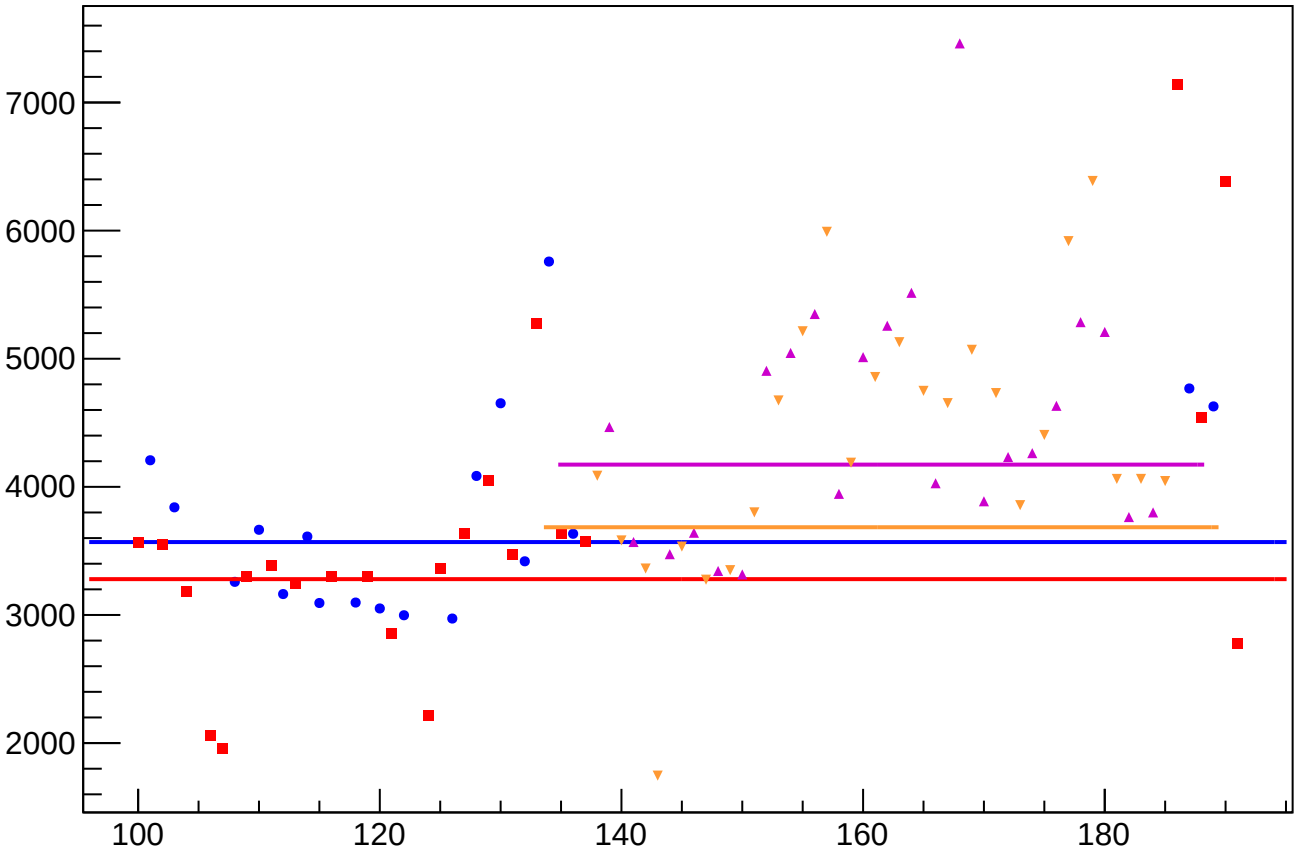
Right Out: -1100.868+/-1121.138 χ^2/NDF: 27.3/22

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 206.853+/-730.329 χ^2/NDF: 44.2/42

All: -141.286+/-521.301 χ^2/NDF: 86.5/88

- sign -502.905+/-744.334 χ^2/NDF: 41.8/45



Right In: 3569.073+/-0.911 χ^2/NDF: 435971.5/17

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

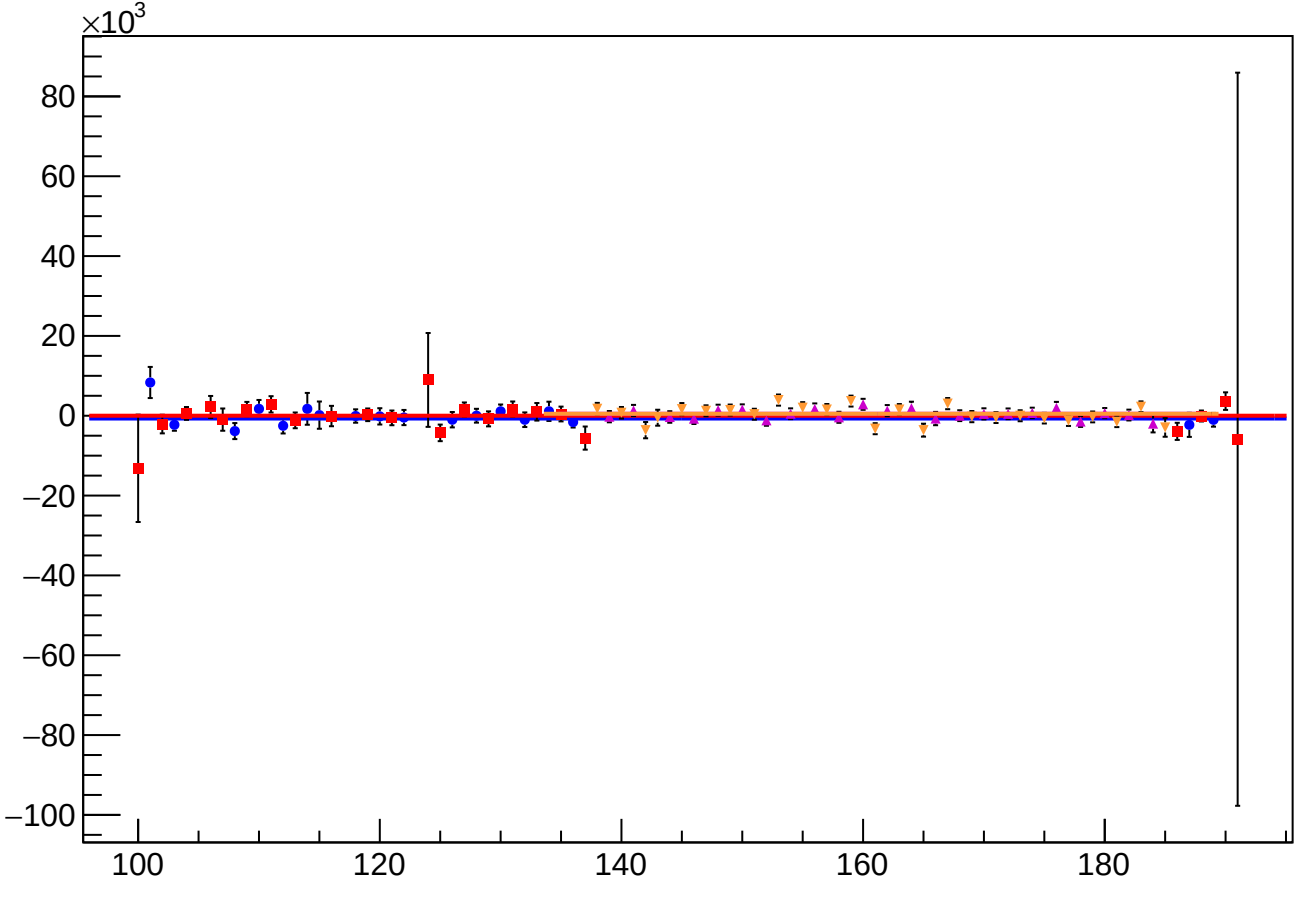
Right Out: 3279.674+/-0.793 χ^2/NDF: 1231847.1/22

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3647.593+/-0.516 χ^2/NDF: 4140602.0/42

All: 3712.319+/-0.369 χ^2/NDF: 7390415.7/88

- sign 3779.551+/-0.526 χ^2/NDF: 3217787.5/45



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: 6.324+/-440.646 χ^2/NDF: 22.4/22

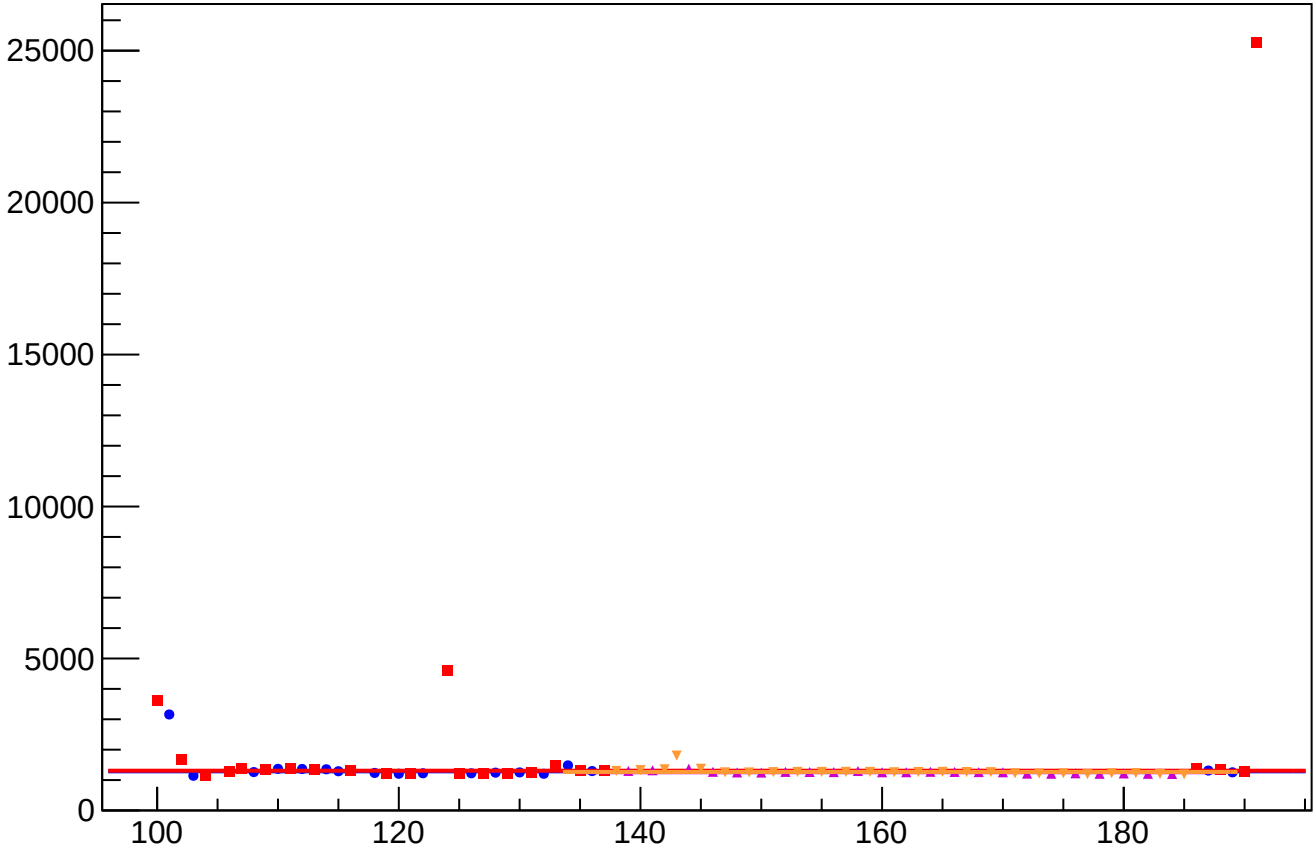
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 160.700+/-245.075 χ^2/NDF: 65.8/42

All: 250.036+/-173.065 χ^2/NDF: 103.8/88

- sign 338.902+/-244.429 χ^2/NDF: 37.7/45

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

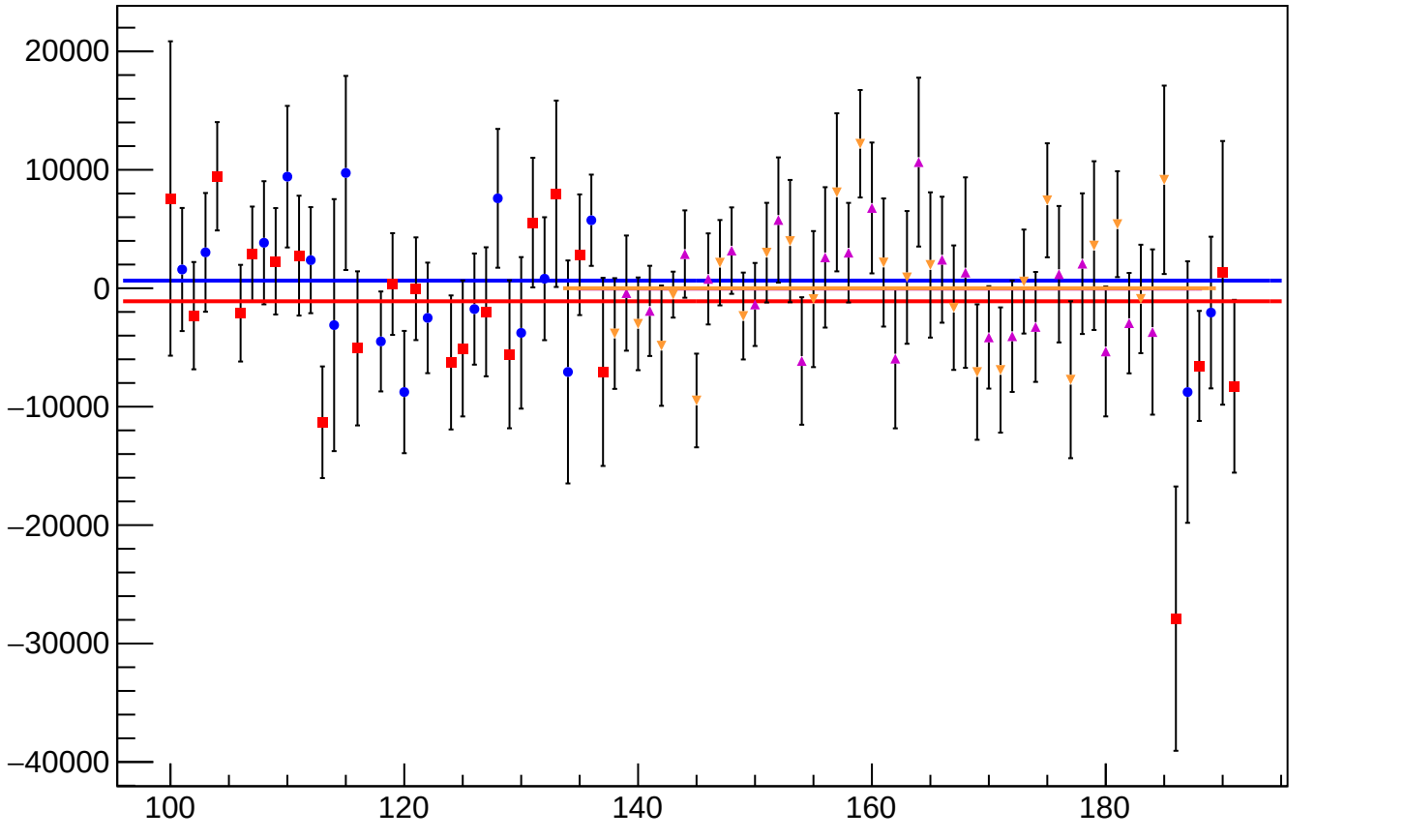
Right Out: 1307.837+/-0.311 χ^2/NDF: 470627.6/22

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1272.676+/-0.173 χ^2/NDF: 705951.4/42

All: 1272.867+/-0.122 χ^2/NDF: 1231466.8/88

- sign 1273.057+/-0.173 χ^2/NDF: 525513.0/45



Right In: 644.987+/-1288.480 χ^2/NDF: 15.0/17

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

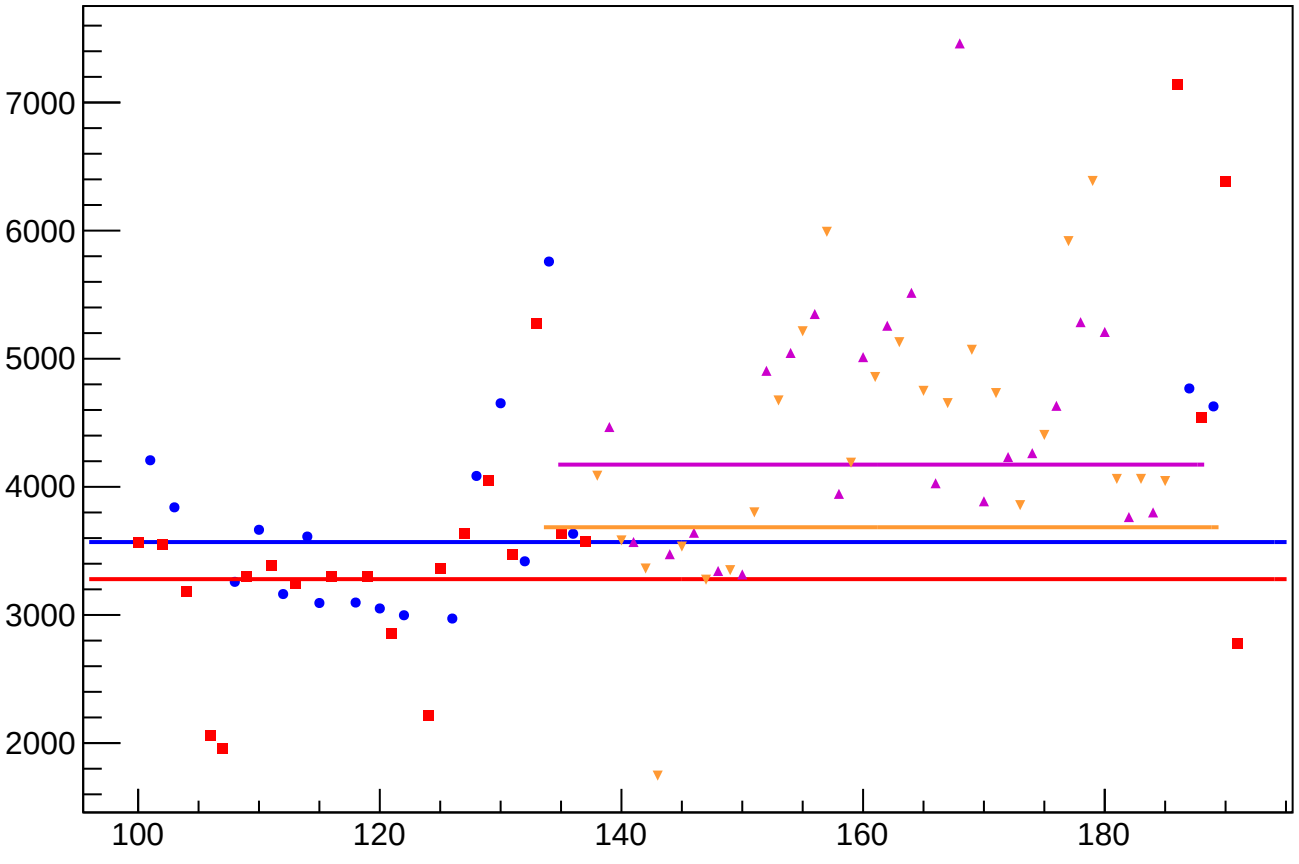
Right Out: -1100.868+/-1121.138 χ^2/NDF: 27.3/22

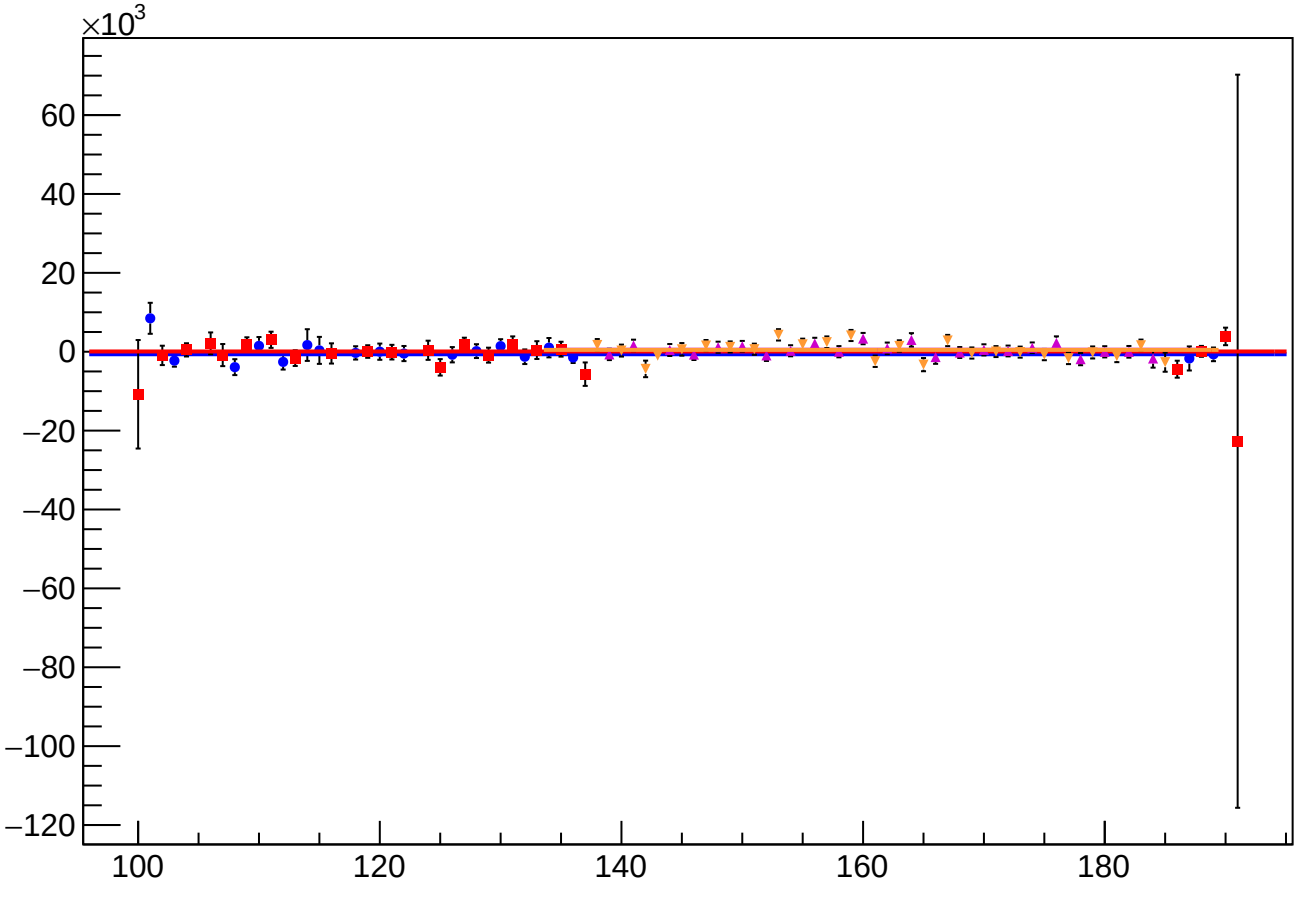
Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 206.853+/-730.329 χ^2/NDF: 44.2/42

All: -141.286+/-521.301 χ^2/NDF: 86.5/88

- sign -502.905+/-744.334 χ^2/NDF: 41.8/45


asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs Slug
7000
6000
5000
4000
3000
2000
100
120
140
160
180
Right In: 3569.073+/-0.911 χ²/NDF: 435971.5/17
Left Out: 3684.762+/-0.627 χ²/NDF:3693687.2/24
Right Out: 3279.674+/-0.793 χ²/NDF: 1231847.1/22
Left In: 4173.550+/-0.704 χ²/NDF:1274967.5/22
+ sign 3647.593+/-0.516 χ²/NDF: 4140602.0/42
All: 3712.319+/-0.369 χ²/NDF: 7390415.7/88
- sign 3779.551+/-0.526 χ²/NDF: 3217787.5/45



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: 65.149+/-439.232 χ^2/NDF: 22.3/22

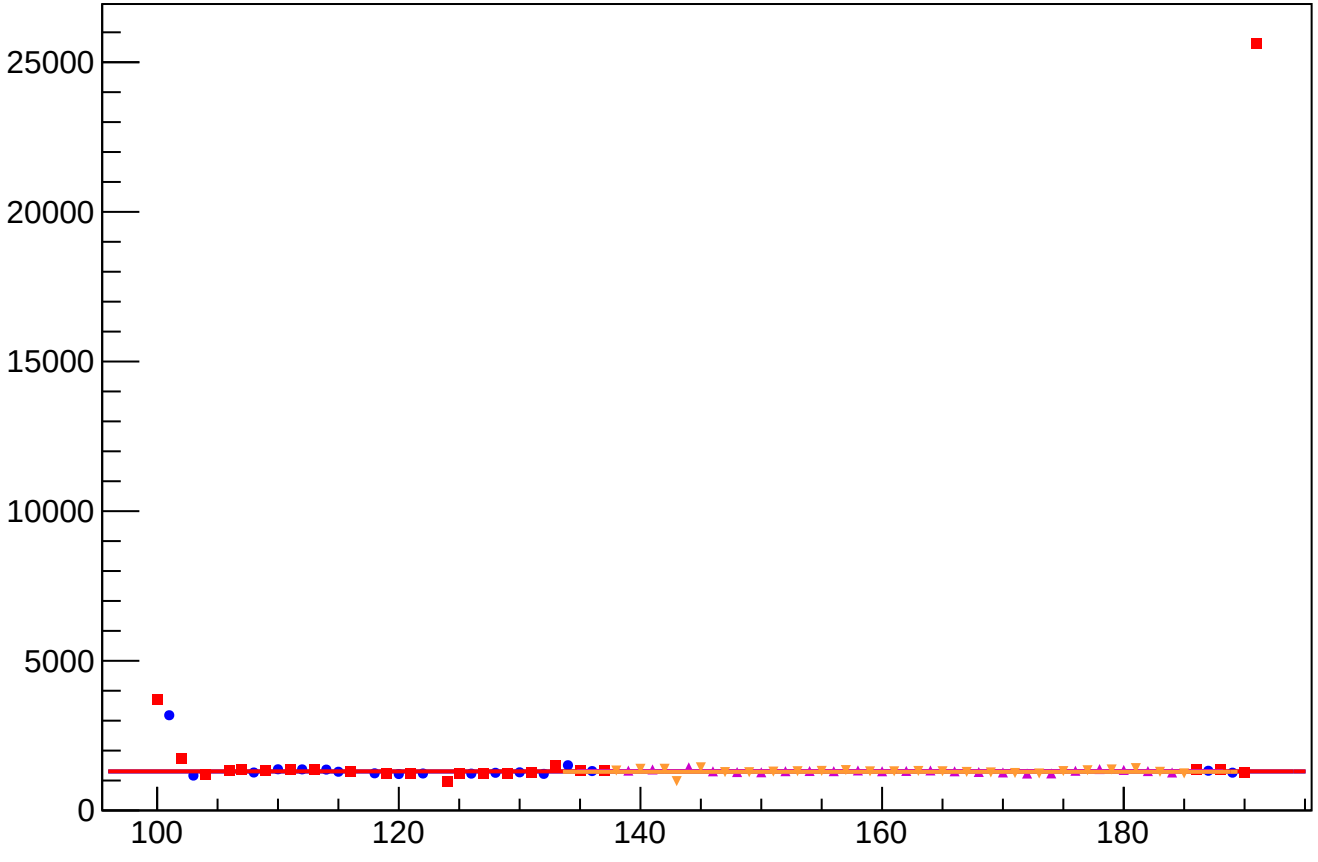
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 156.104+/-249.345 χ^2/NDF: 62.3/42

All: 256.932+/-177.126 χ^2/NDF: 103.0/88

- sign 359.640+/-251.659 χ^2/NDF: 40.3/45

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

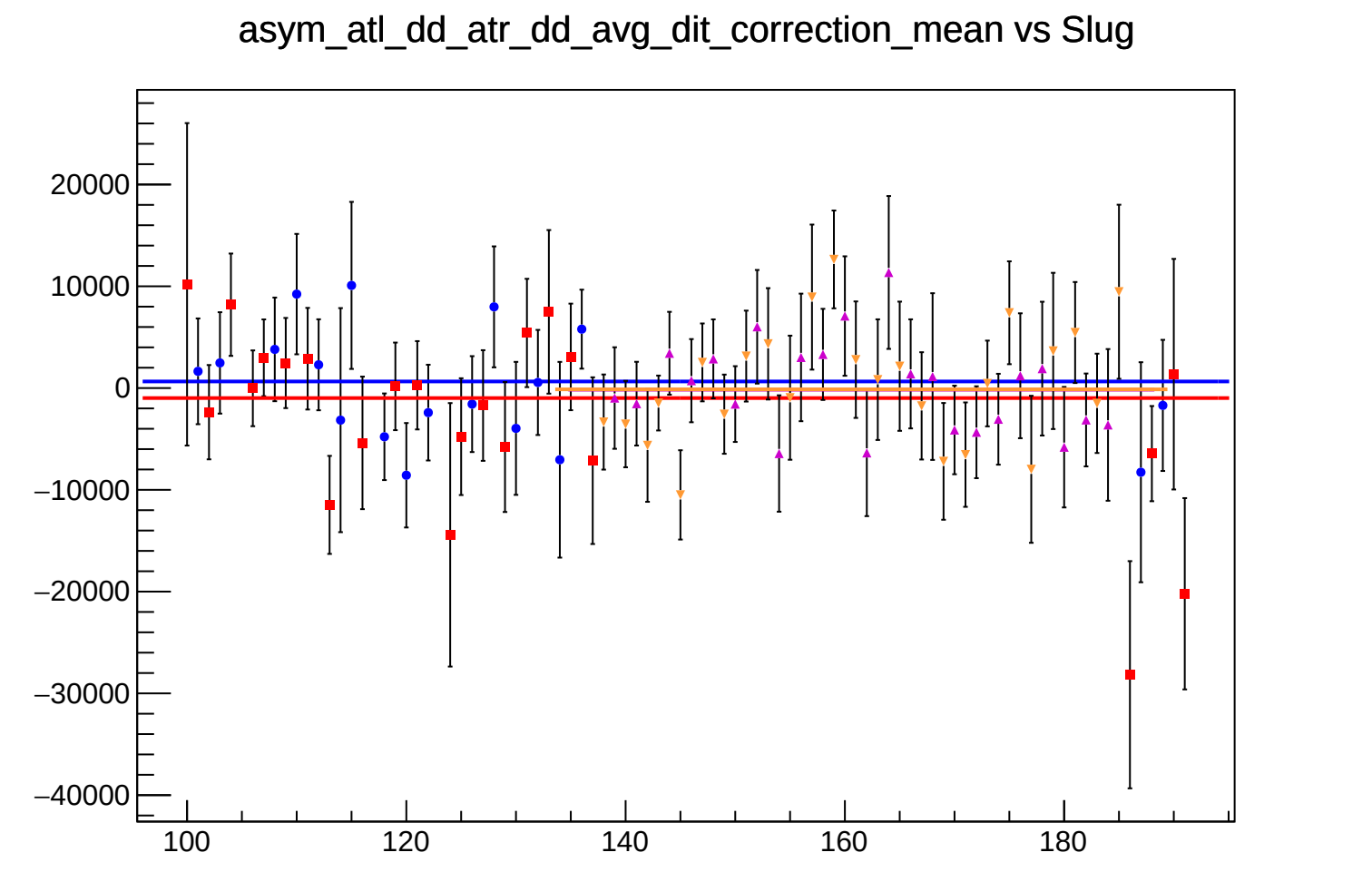
Right Out: 1306.774+/-0.310 χ^2/NDF: 359849.5/22

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1294.132+/-0.176 χ^2/NDF: 743224.0/42

All: 1302.802+/-0.125 χ^2/NDF: 1151362.6/88

- sign 1311.630+/-0.178 χ^2/NDF: 403258.6/45



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: -981.731+/-1141.605 χ^2/NDF: 29.0/22

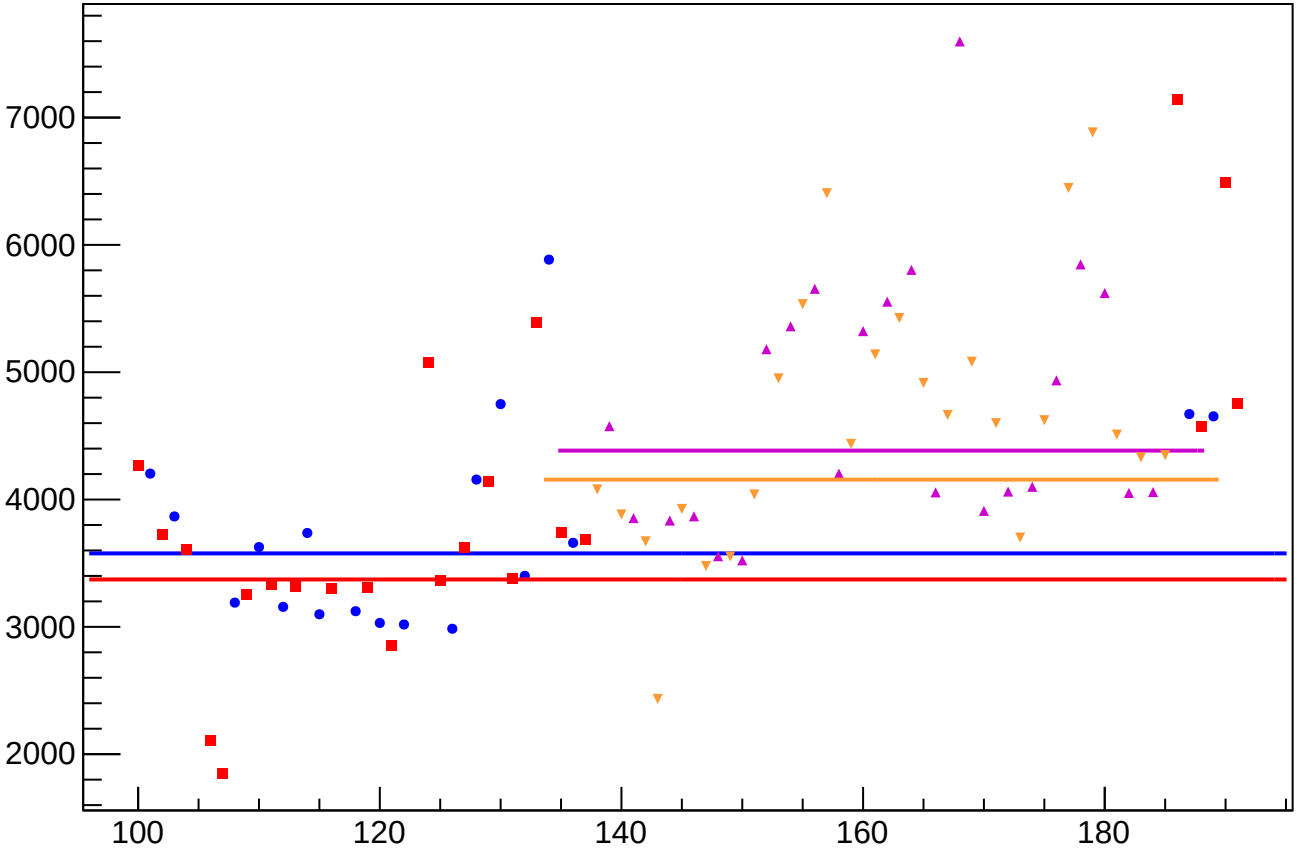
Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign 155.784+/-779.128 χ^2/NDF: 43.8/42

All: -192.983+/-548.040 χ^2/NDF: 87.2/88

- sign -534.533+/-771.025 χ^2/NDF: 43.1/45

asym_atl_dd_atr_dd_avg_dit_correction_rms vs Slug



Right In: 3576.938+/-0.913 χ^2/NDF: 455785.3/17

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

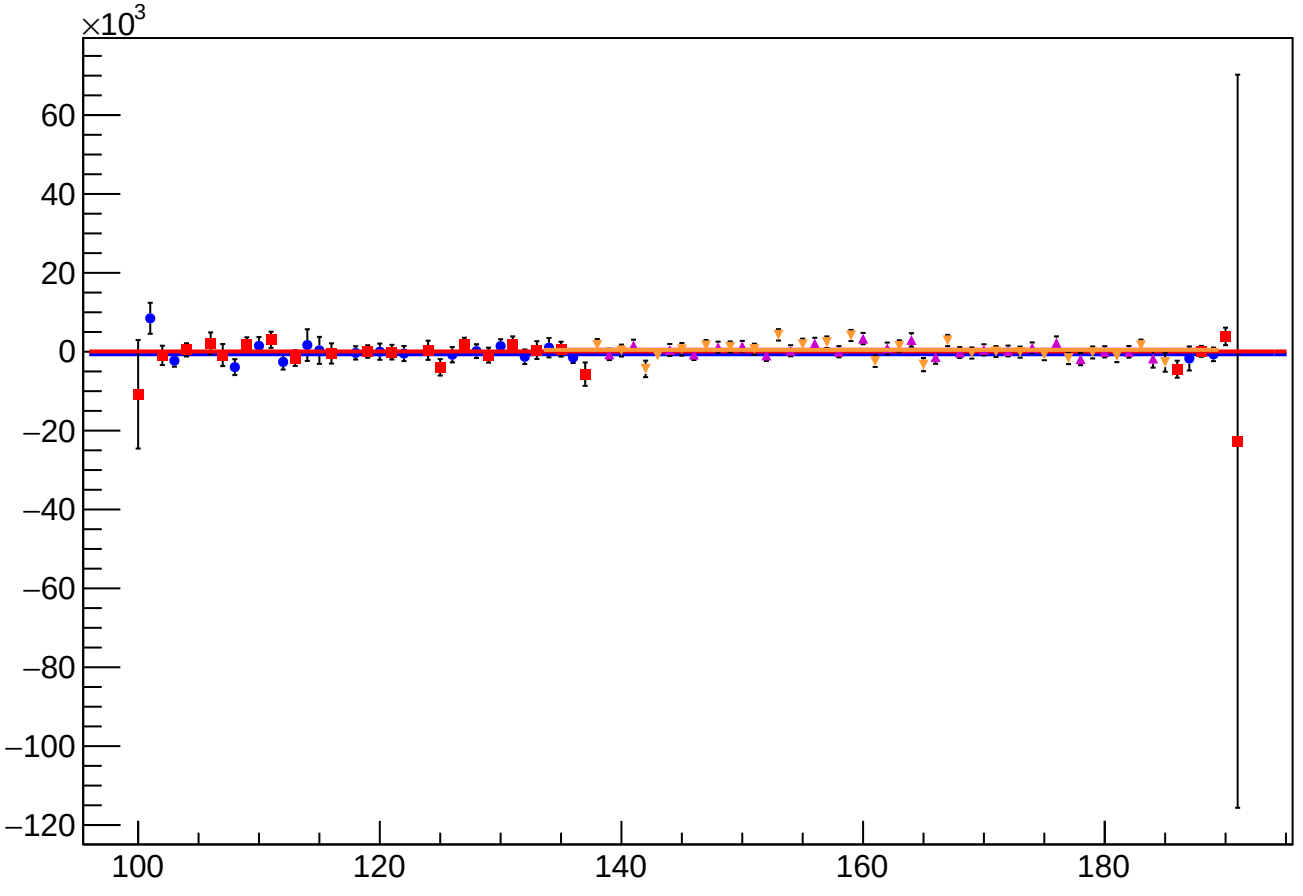
Right Out: 3372.159+/-0.807 χ^2/NDF: 1371232.1/22

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 3945.393+/-0.551 χ^2/NDF: 2792920.9/42

All: 3933.891+/-0.388 χ^2/NDF: 6275516.3/88

- sign 3922.626+/-0.545 χ^2/NDF: 3481732.6/45



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: 65.155+/-439.232 χ^2/NDF: 22.3/22

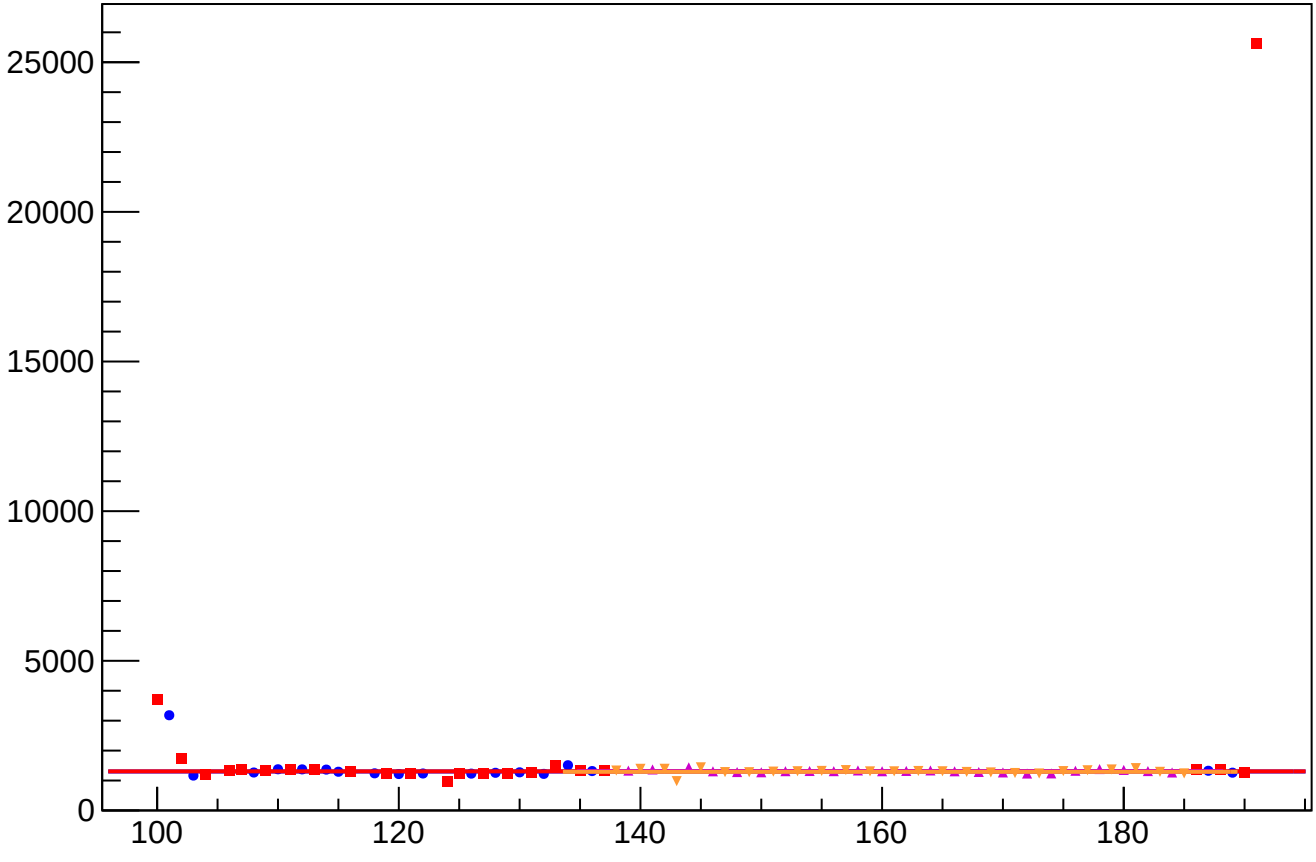
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 156.106+/-249.346 χ^2/NDF: 62.3/42

All: 256.934+/-177.126 χ^2/NDF: 103.0/88

- sign 359.641+/-251.659 χ^2/NDF: 40.3/45

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

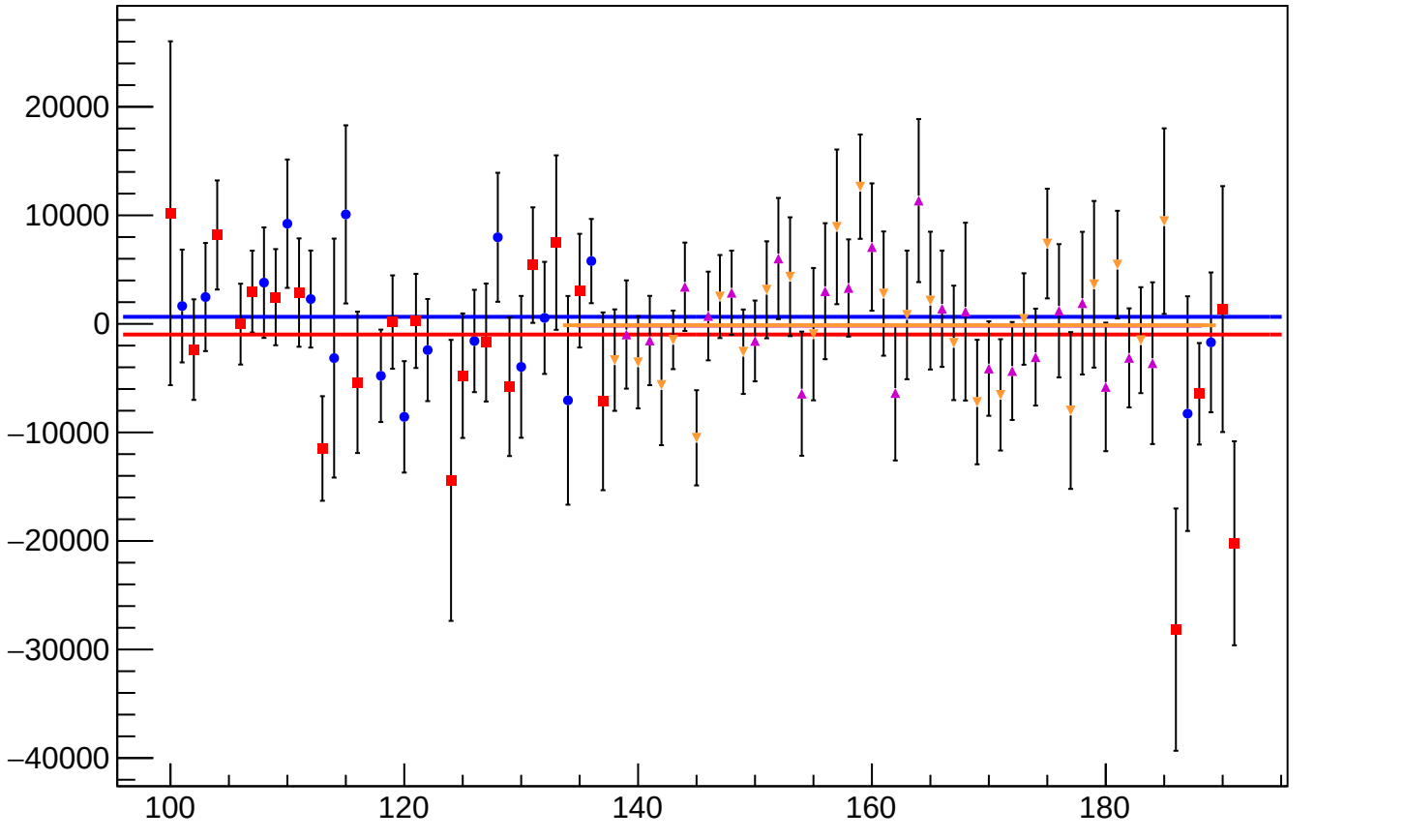
Right Out: 1306.774+/-0.310 χ^2/NDF: 359849.6/22

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1294.133+/-0.176 χ^2/NDF: 743226.4/42

All: 1302.803+/-0.125 χ^2/NDF: 1151367.5/88

- sign 1311.631+/-0.178 χ^2/NDF: 403261.0/45



Right In: 649.619+/-1290.784 χ^2/NDF: 15.0/17

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

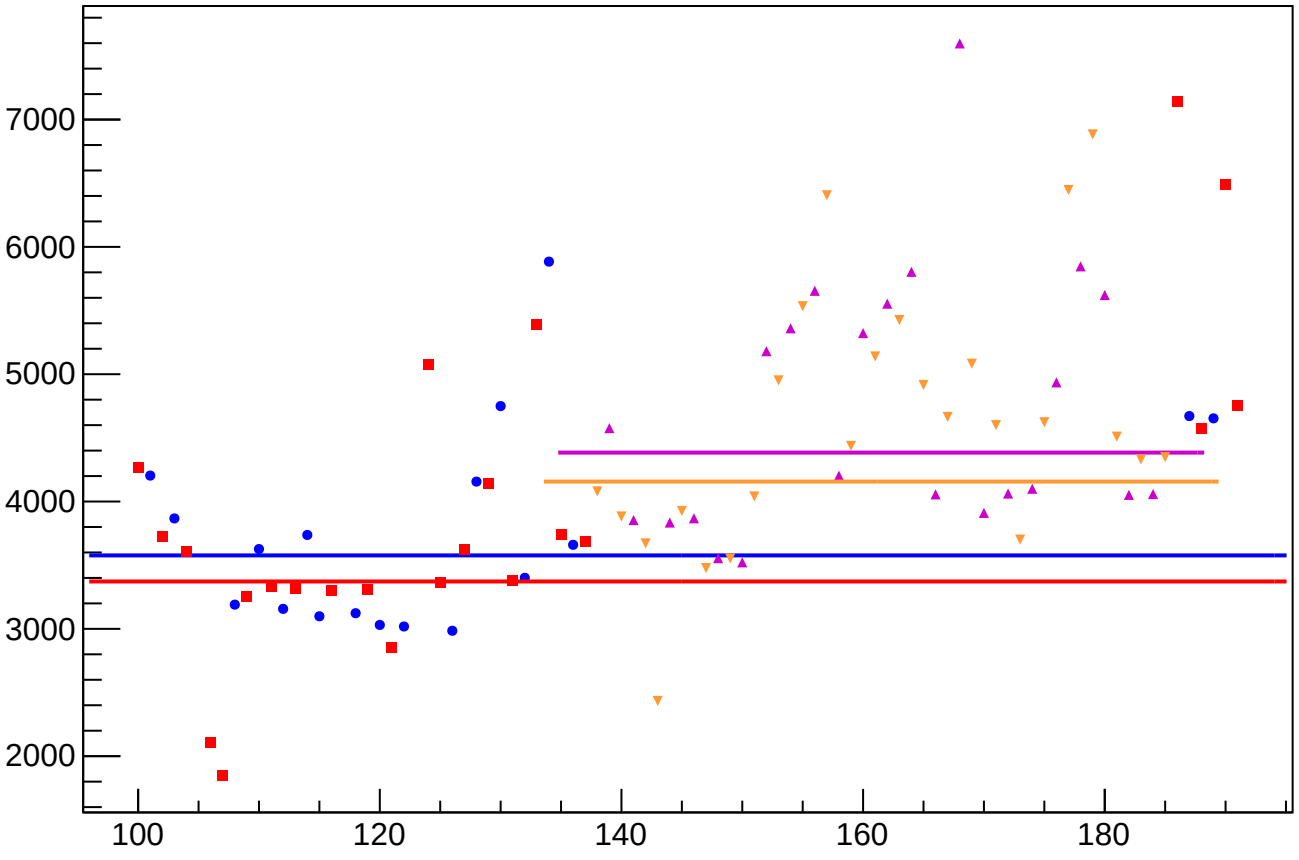
Right Out: -981.723+/-1141.603 χ^2/NDF: 29.0/22

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign 155.784+/-779.129 χ^2/NDF: 43.8/42

All: -192.982+/-548.040 χ^2/NDF: 87.2/88

- sign -534.531+/-771.025 χ^2/NDF: 43.1/45



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: 3372.151+/-0.807 χ^2/NDF: 1371238.4/22

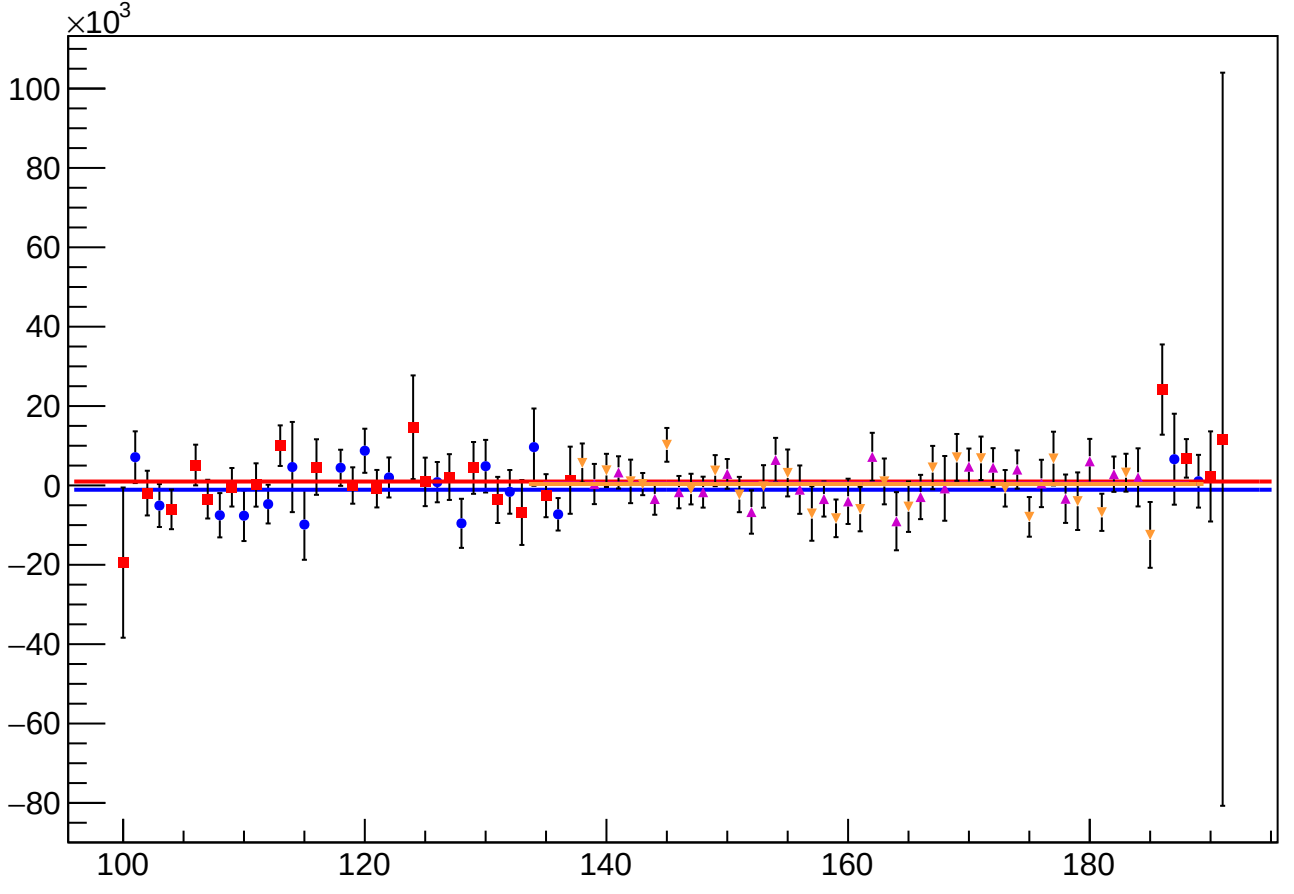
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 3945.393+/-0.551 χ^2/NDF: 2792943.8/42

All: 3933.890+/-0.388 χ^2/NDF: 6275574.6/88

- sign 3922.625+/-0.545 χ^2/NDF: 3481767.9/45

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: 983.106+/-1271.828 χ^2/NDF: 17.6/22

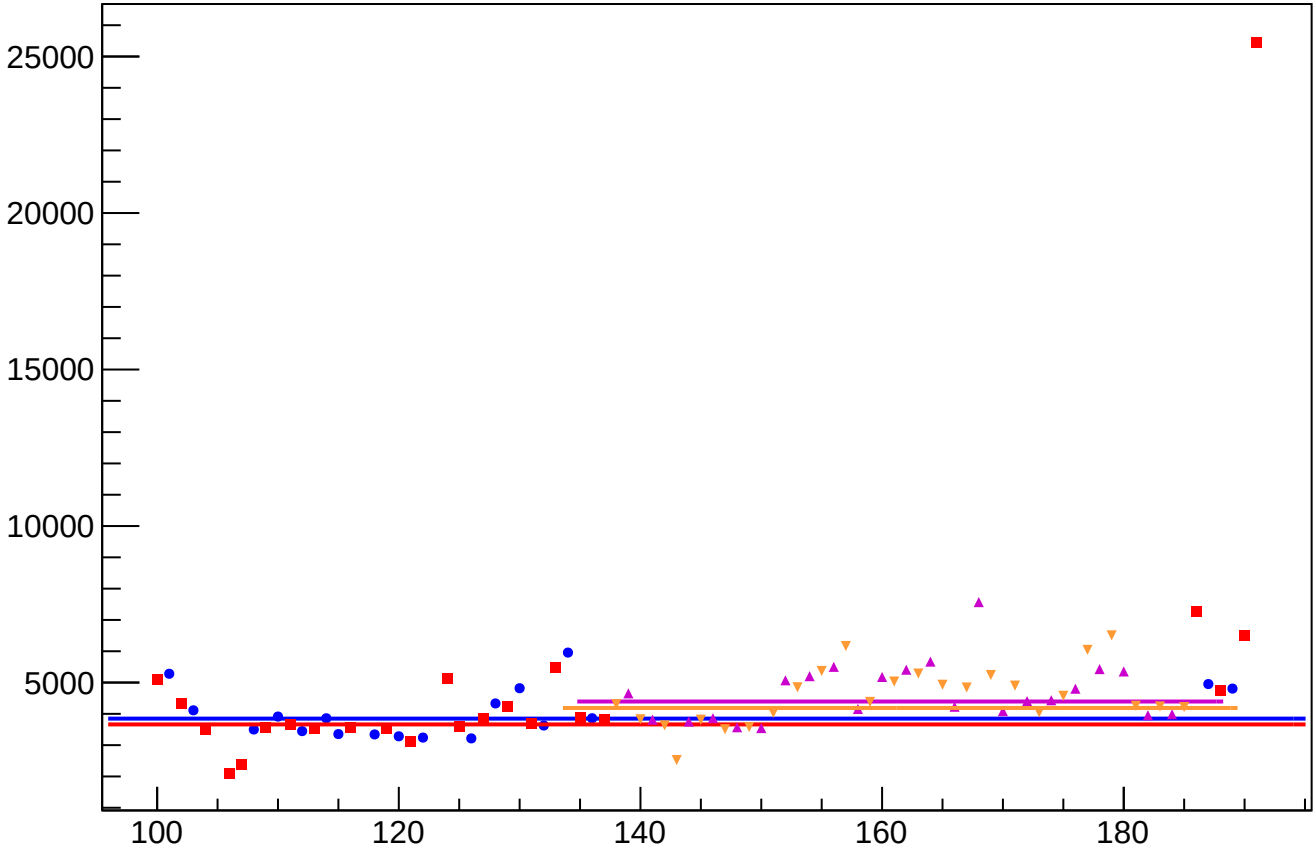
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign -119.914+/-800.716 χ^2/NDF: 46.5/42

All: 283.306+/-568.496 χ^2/NDF: 78.6/88

- sign 693.159+/-807.275 χ^2/NDF: 31.6/45

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

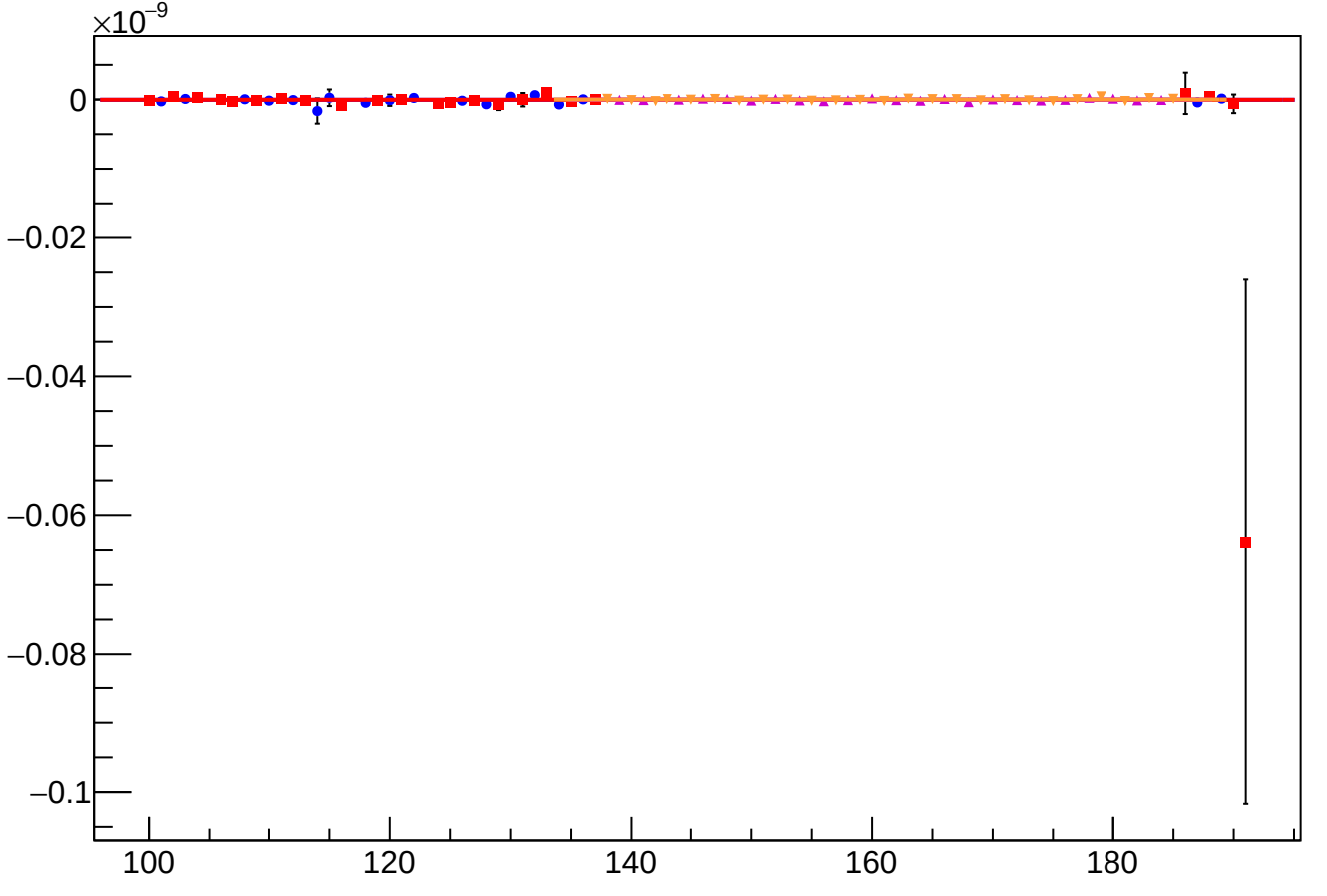
Right Out: 3662.212+/-0.888 χ^2/NDF: 1163470.1/22

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4074.786+/-0.566 χ^2/NDF: 2323459.3/42

All: 4084.844+/-0.401 χ^2/NDF: 4977573.4/88

- sign 4094.965+/-0.568 χ^2/NDF: 2653481.0/45



Right In: -0.000+/-0.000 χ^2/NDF: 17.3/17

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

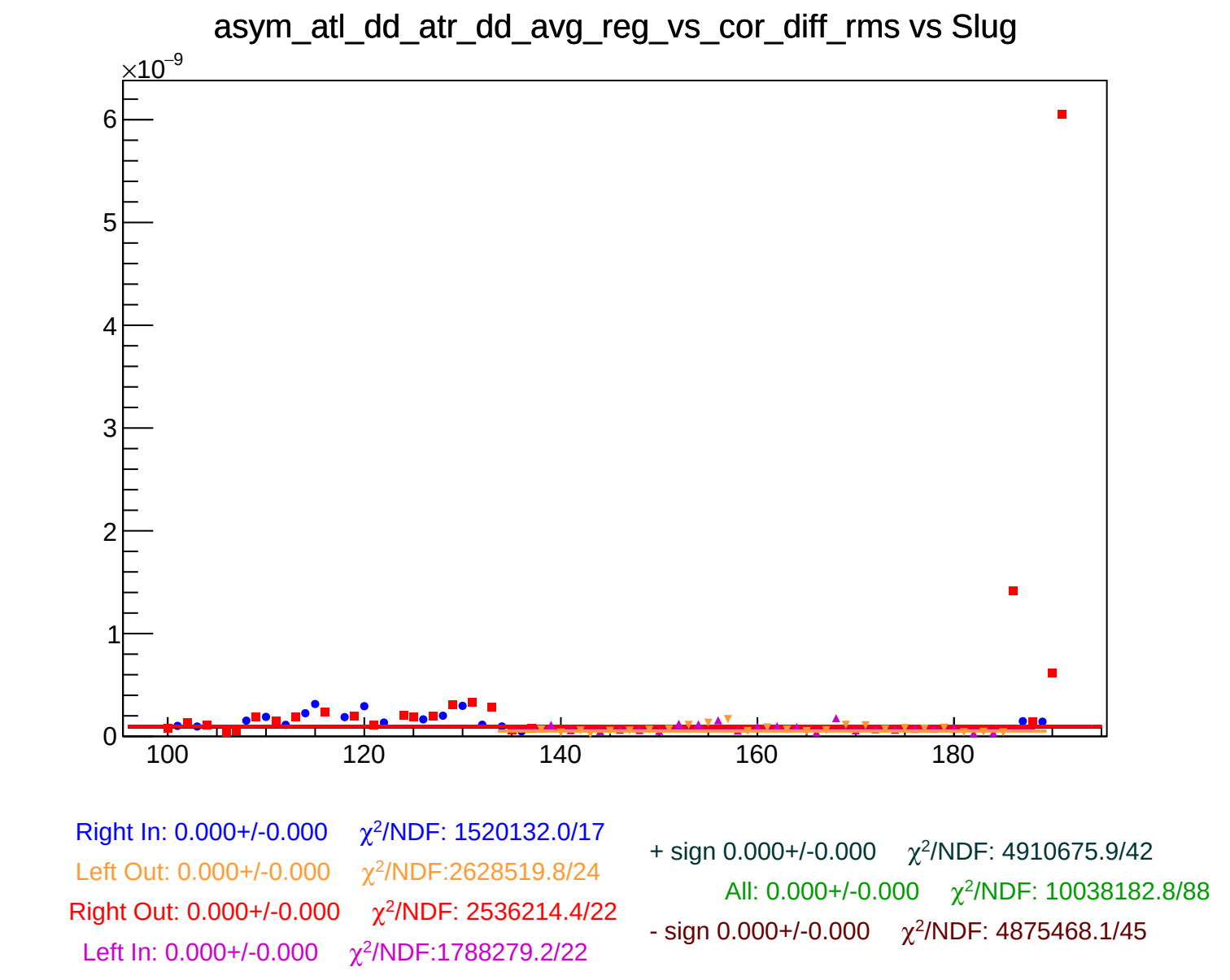
Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/22

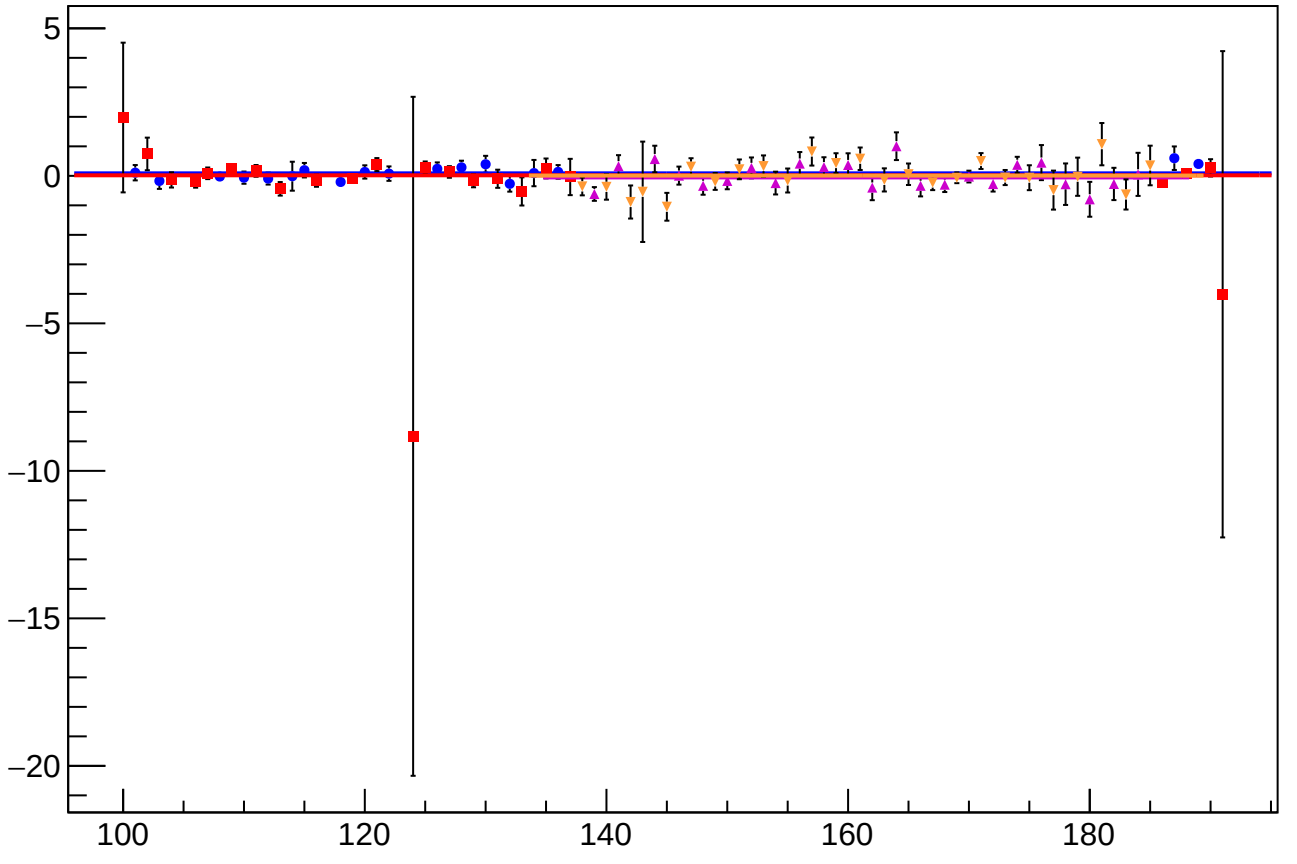
Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.1/42

All: -0.000+/-0.000 χ^2/NDF: 86.7/88

- sign -0.000+/-0.000 χ^2/NDF: 38.4/45


asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
6
5
4
3
2
1
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 1520132.0/17
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 2536214.4/22
Left In: 0.000+/-0.000 χ²/NDF:1788279.2/22
+ sign 0.000+/-0.000 χ²/NDF: 4910675.9/42
All: 0.000+/-0.000 χ²/NDF: 10038182.8/88
- sign 0.000+/-0.000 χ²/NDF: 4875468.1/45



Right In: 0.085+/-0.053 χ^2/NDF: 16.5/17

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

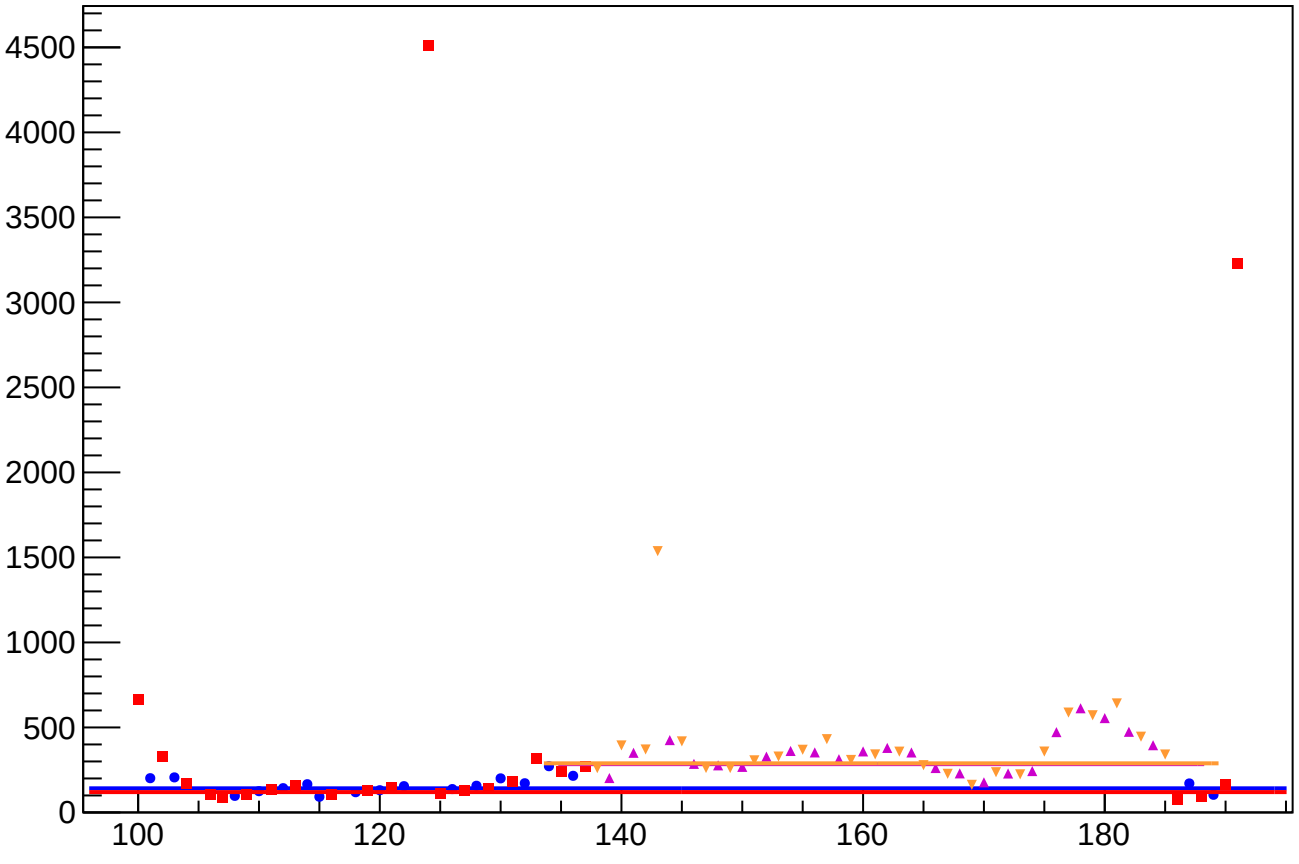
Right Out: 0.019+/-0.044 χ^2/NDF: 25.7/22

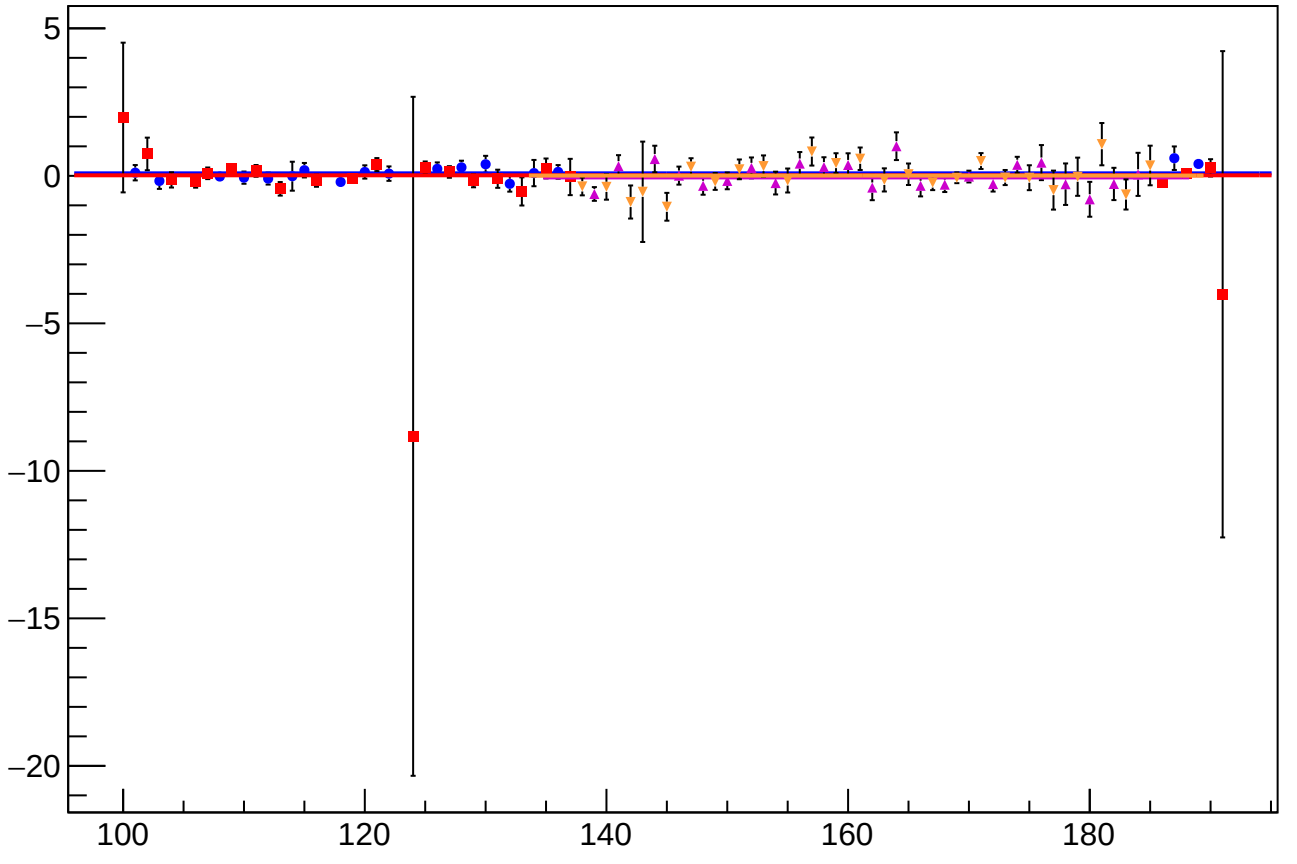
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.057+/-0.043 χ^2/NDF: 46.1/42

All: 0.024+/-0.028 χ^2/NDF: 101.4/88

- sign -0.002+/-0.038 χ^2/NDF: 54.2/45


asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
Right In: 141.924+/-0.038 χ²/NDF: 1149472.7/17
Left Out: 288.922+/-0.050 χ²/NDF:4648197.0/24
Right Out: 119.726+/-0.031 χ²/NDF: 2481719.2/22
Left In: 284.168+/-0.050 χ²/NDF:3077521.1/22
+ sign 195.074+/-0.030 χ²/NDF: 11268159.1/42
All: 178.888+/-0.020 χ²/NDF: 25150299.7/88
- sign 166.400+/-0.027 χ²/NDF: 13373141.5/45



Right In: 0.085+/-0.053 χ^2/NDF: 16.5/17

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

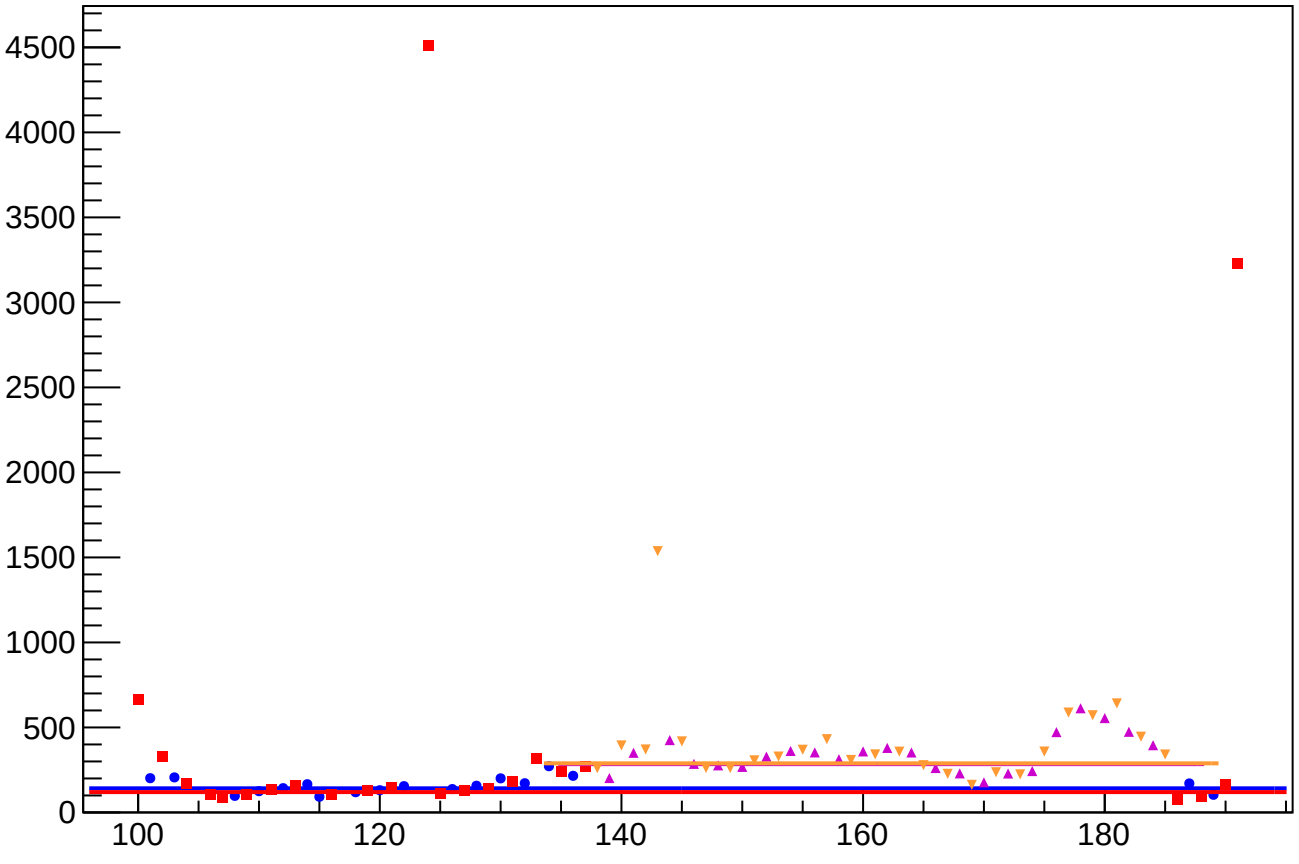
Right Out: 0.019+/-0.044 χ^2/NDF: 25.7/22

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.057+/-0.043 χ^2/NDF: 46.1/42

All: 0.024+/-0.028 χ^2/NDF: 101.4/88

- sign -0.002+/-0.038 χ^2/NDF: 54.2/45



Right In: 141.924+/-0.038 χ^2/NDF: 1149472.7/17

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

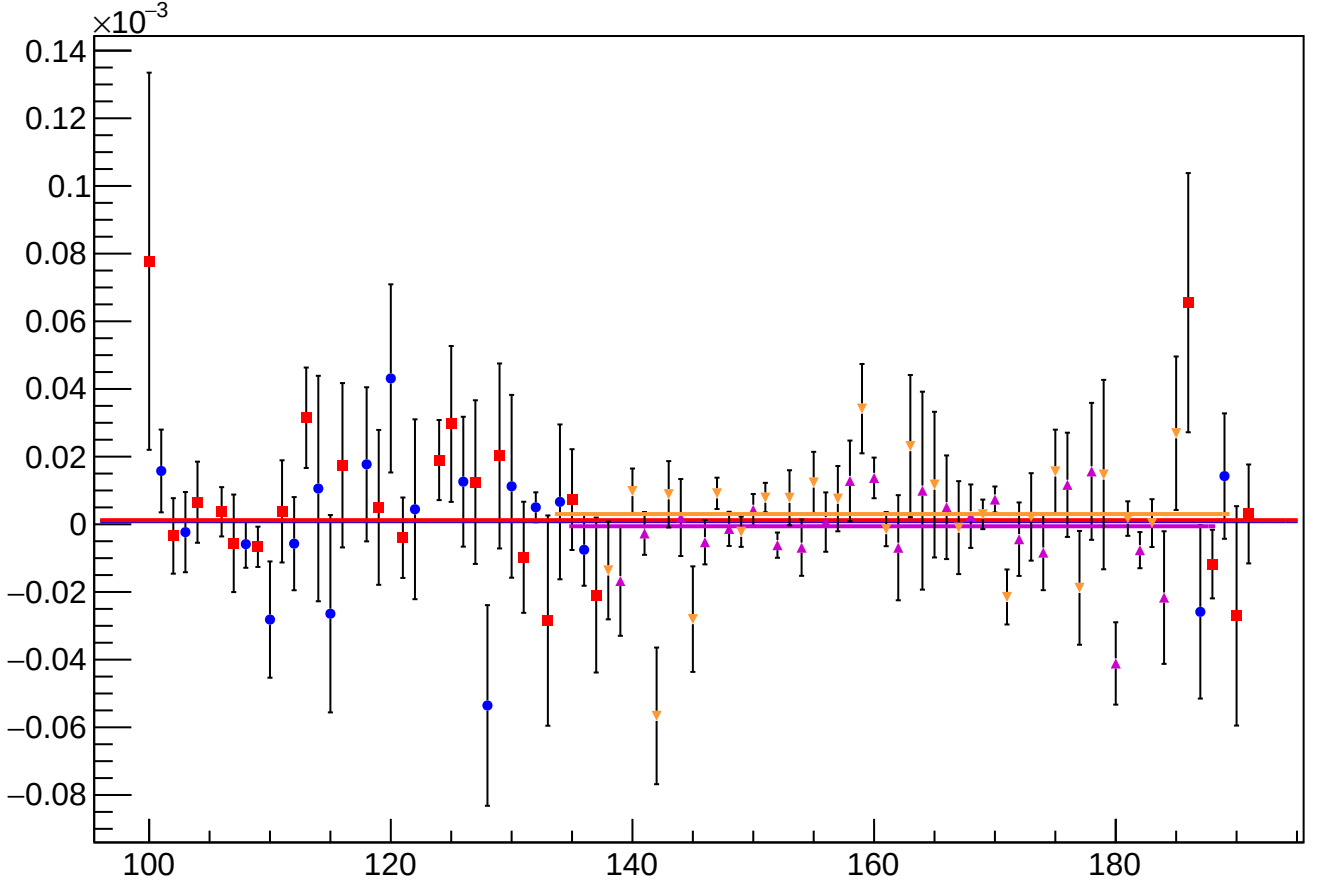
Right Out: 119.726+/-0.031 χ^2/NDF: 2481719.2/22

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 195.074+/-0.030 χ^2/NDF: 11268159.1/42

All: 178.888+/-0.020 χ^2/NDF: 25150299.7/88

- sign 166.400+/-0.027 χ^2/NDF: 13373141.5/45



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/17

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

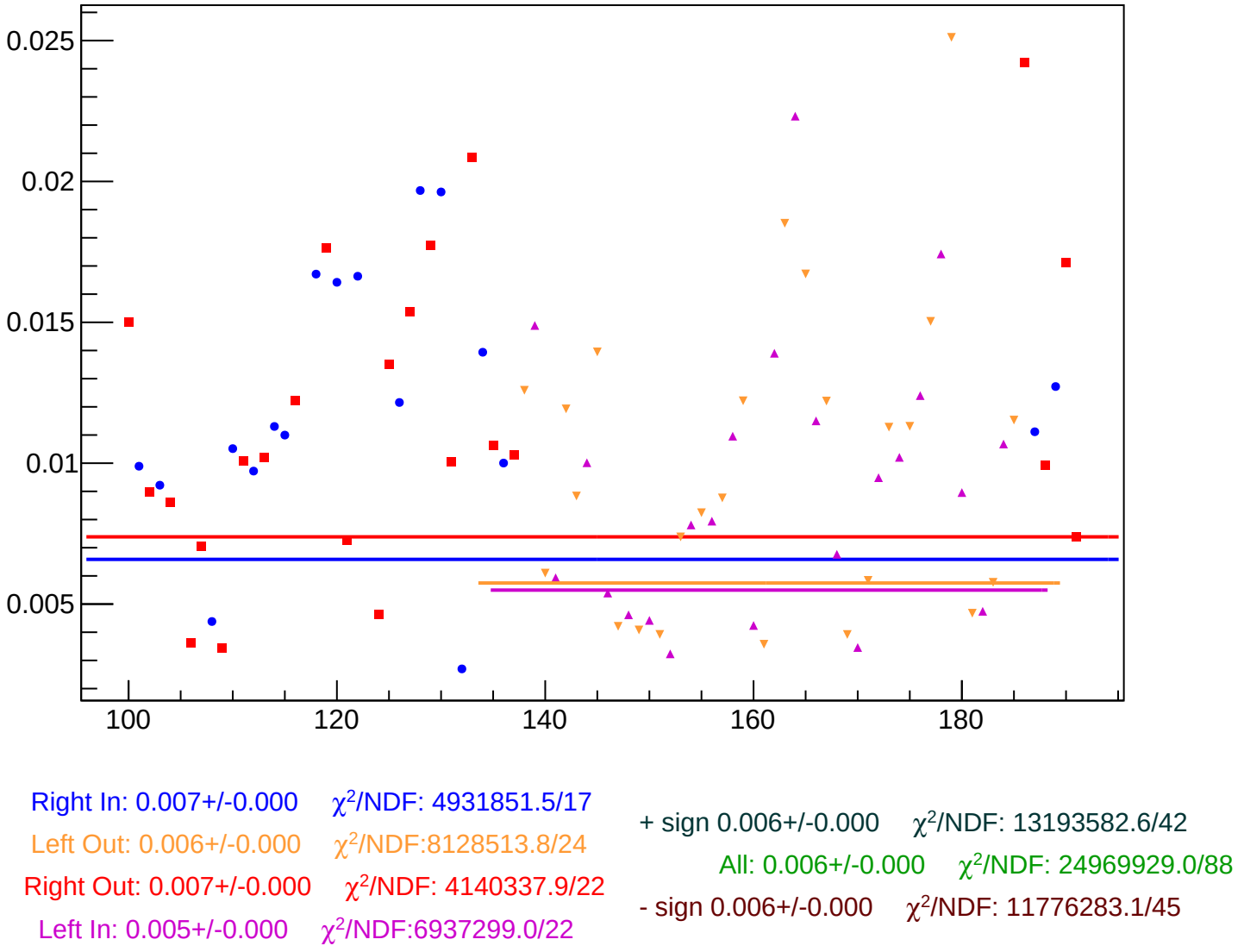
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/22

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: 116.1/88

- sign -0.000+/-0.000 χ^2/NDF: 54.9/45


asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
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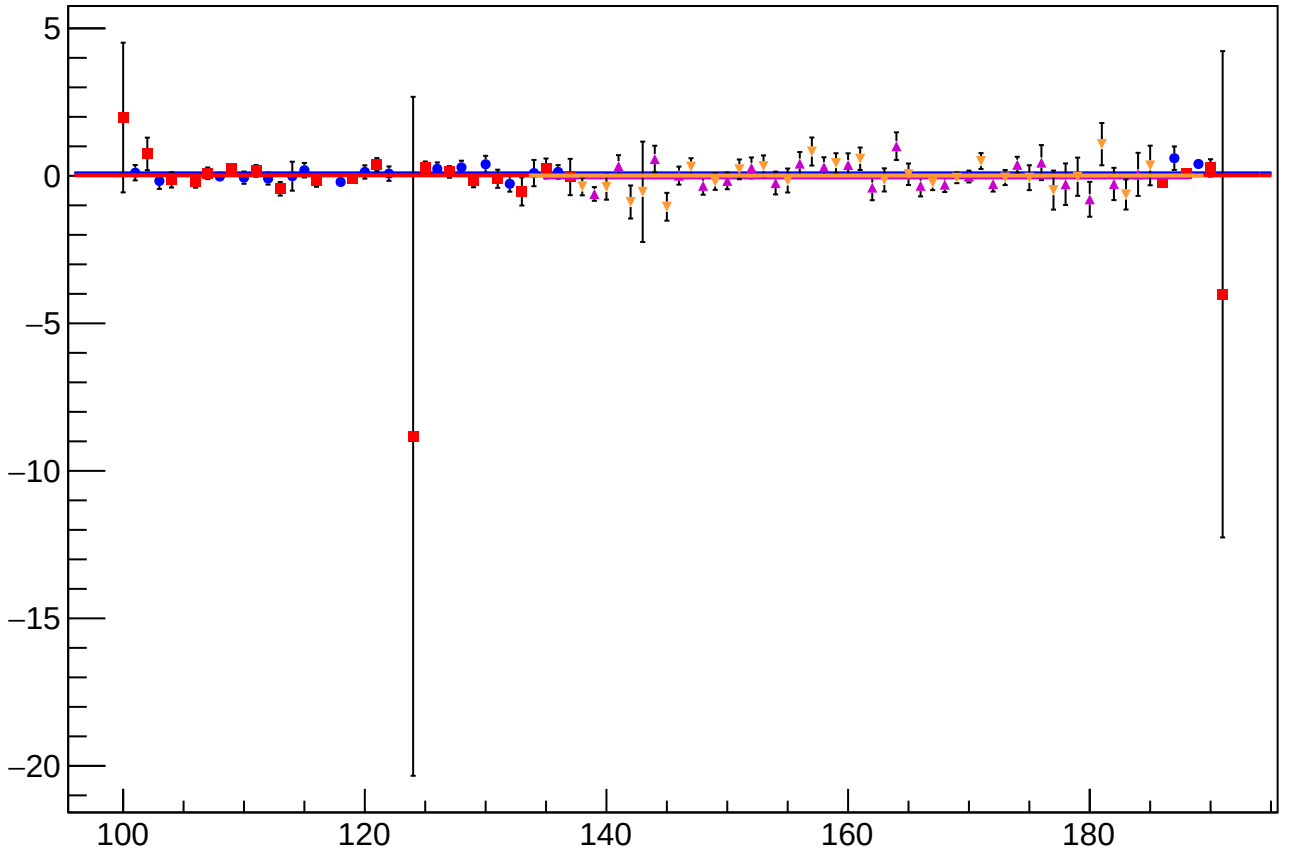
0.02
0.015
0.01
0.005
100
120
140
160
180
Right In: 0.007+/-0.000 χ²/NDF: 4931851.5/17
Left Out: 0.006+/-0.000 χ²/NDF:8128513.8/24
Right Out: 0.007+/-0.000 χ²/NDF: 4140337.9/22
Left In: 0.005+/-0.000 χ²/NDF:6937299.0/22
+ sign 0.006+/-0.000 χ²/NDF: 13193582.6/42
All: 0.006+/-0.000 χ²/NDF: 24969929.0/88
- sign 0.006+/-0.000 χ²/NDF: 11776283.1/45



Right In: 0.085+/-0.053 χ^2/NDF: 16.5/17

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

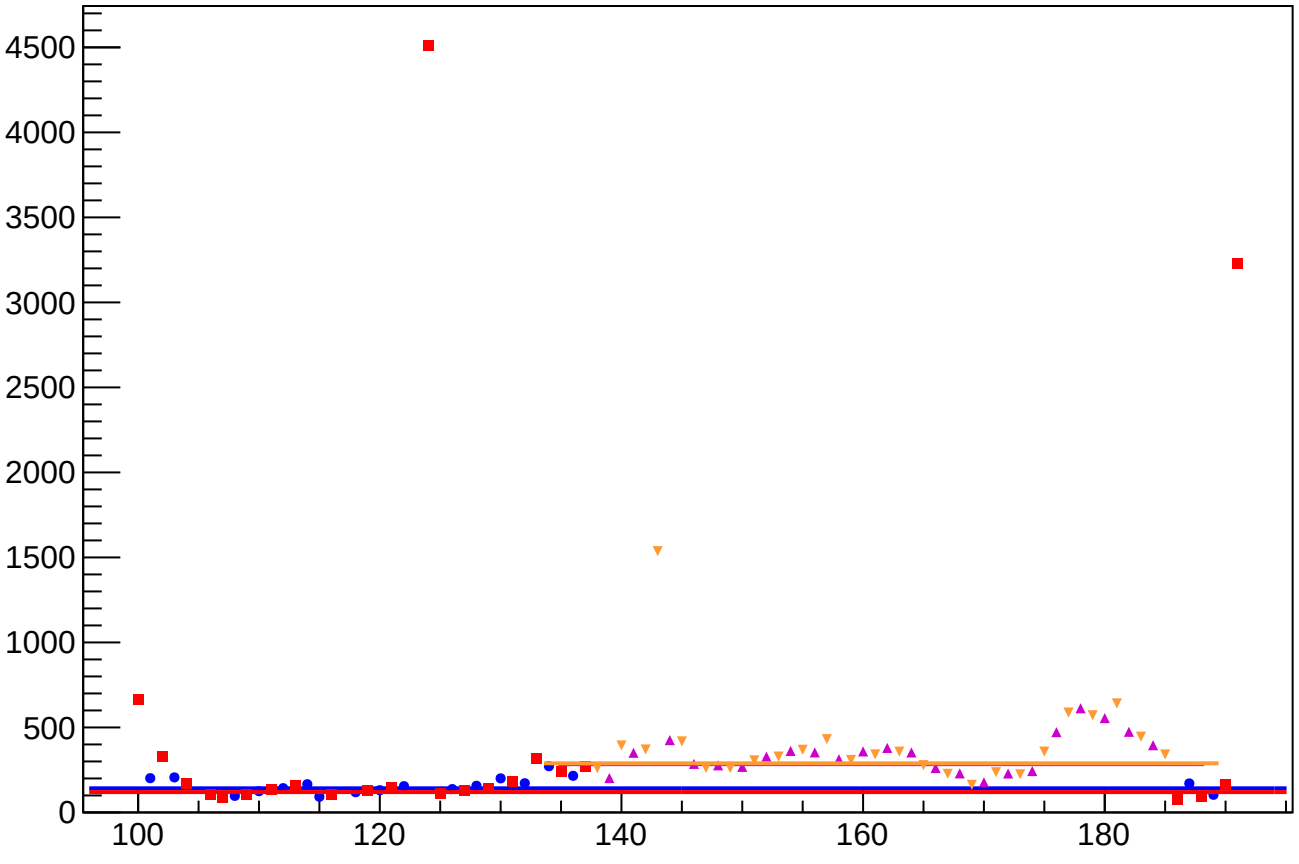
Right Out: 0.019+/-0.044 χ^2/NDF: 25.7/22

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.057+/-0.043 χ^2/NDF: 46.1/42

All: 0.024+/-0.028 χ^2/NDF: 101.4/88

- sign -0.002+/-0.038 χ^2/NDF: 54.2/45



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: 119.727+/-0.031 χ^2/NDF: 2481570.6/22

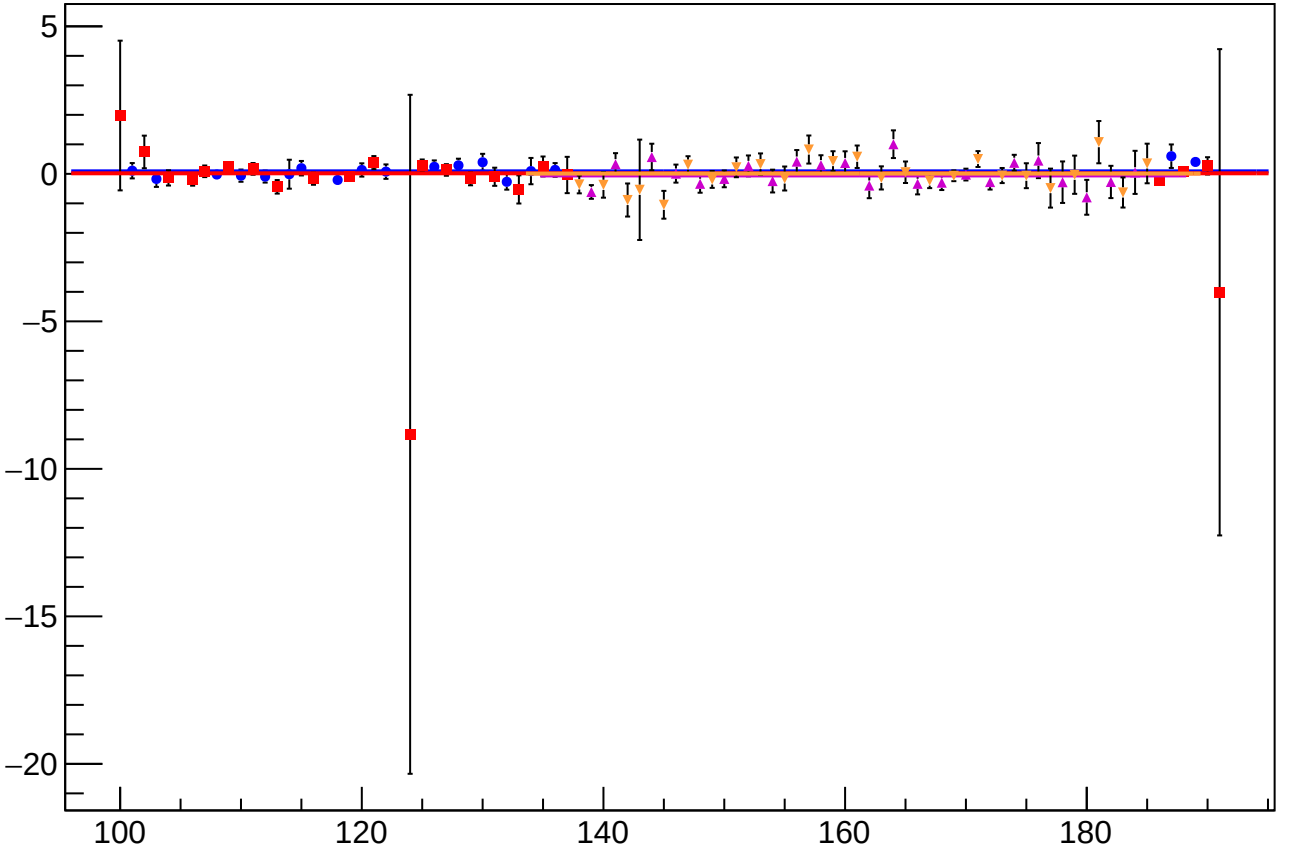
Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 195.073+/-0.030 χ^2/NDF: 11268366.3/42

All: 178.888+/-0.020 χ^2/NDF: 25150230.6/88

- sign 166.402+/-0.027 χ^2/NDF: 13372962.0/45

asym_atl_dd_atr_dd_avg_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

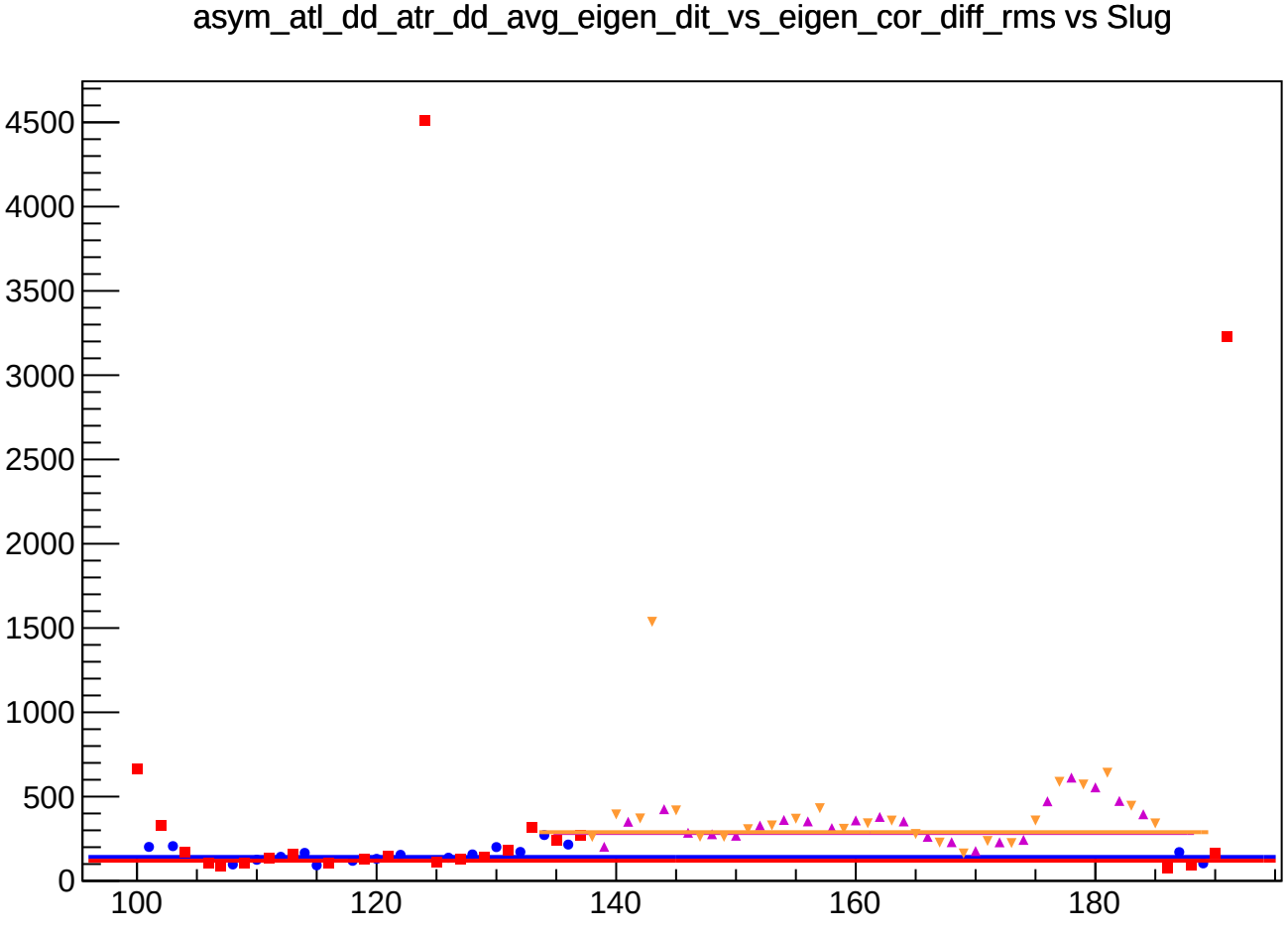
Right Out: 0.019+/-0.044 χ^2/NDF: 25.7/22

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.057+/-0.043 χ^2/NDF: 46.1/42

All: 0.024+/-0.028 χ^2/NDF: 101.4/88

- sign -0.002+/-0.038 χ^2/NDF: 54.2/45


asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
4500
4000
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2500
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100
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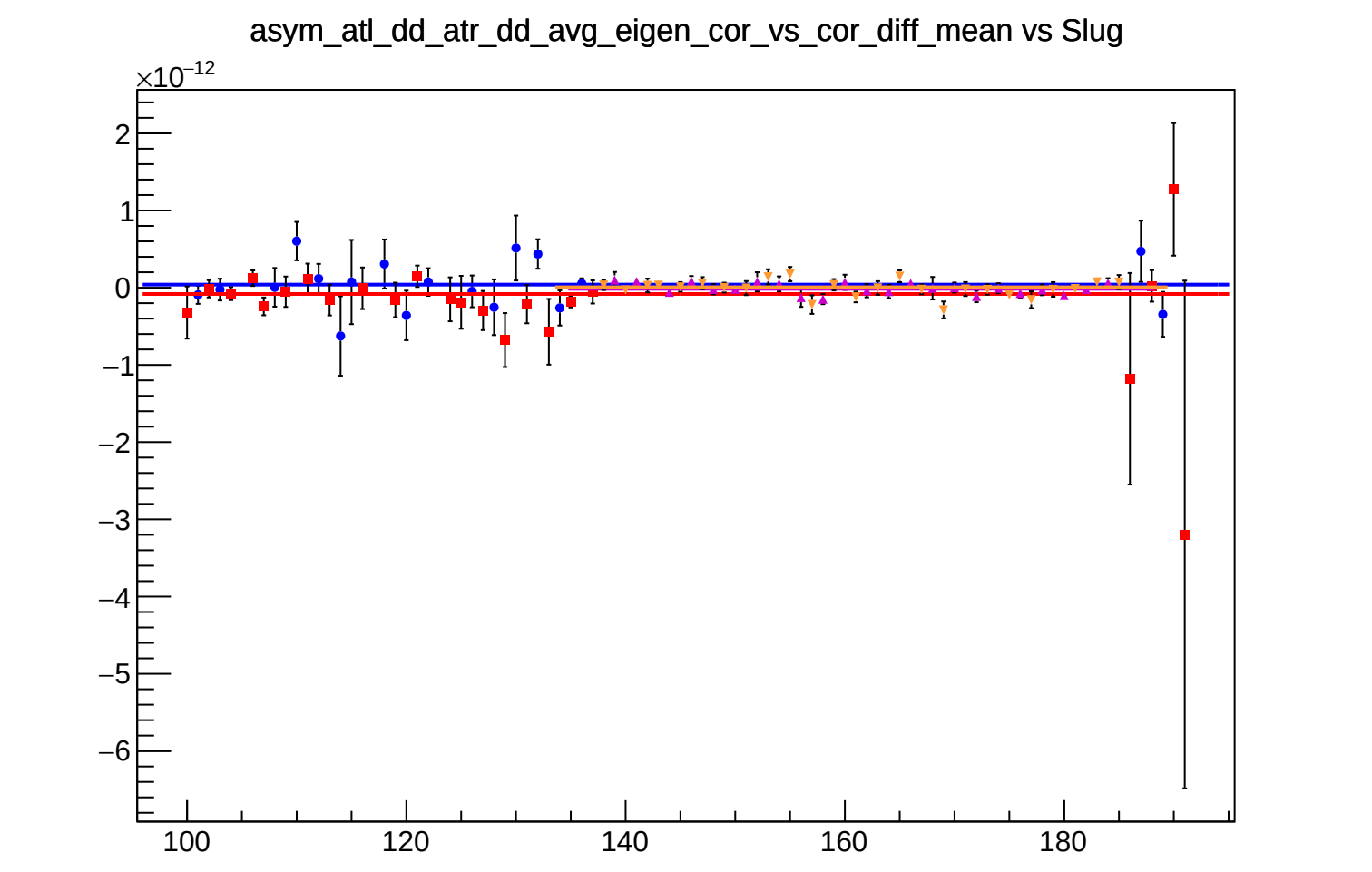
140
160
180
Right In: 141.923+/-0.038 χ²/NDF: 1149435.7/17
Left Out: 288.922+/-0.050 χ²/NDF:4648388.8/24
Right Out: 119.727+/-0.031 χ²/NDF: 2481570.6/22
Left In: 284.170+/-0.050 χ²/NDF:3077626.7/22
+ sign 195.073+/-0.030 χ²/NDF: 11268366.3/42
All: 178.888+/-0.020 χ²/NDF: 25150230.6/88
- sign 166.402+/-0.027 χ²/NDF: 13372962.0/45



Right In: 0.000+/-0.000 χ^2/NDF: 21.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

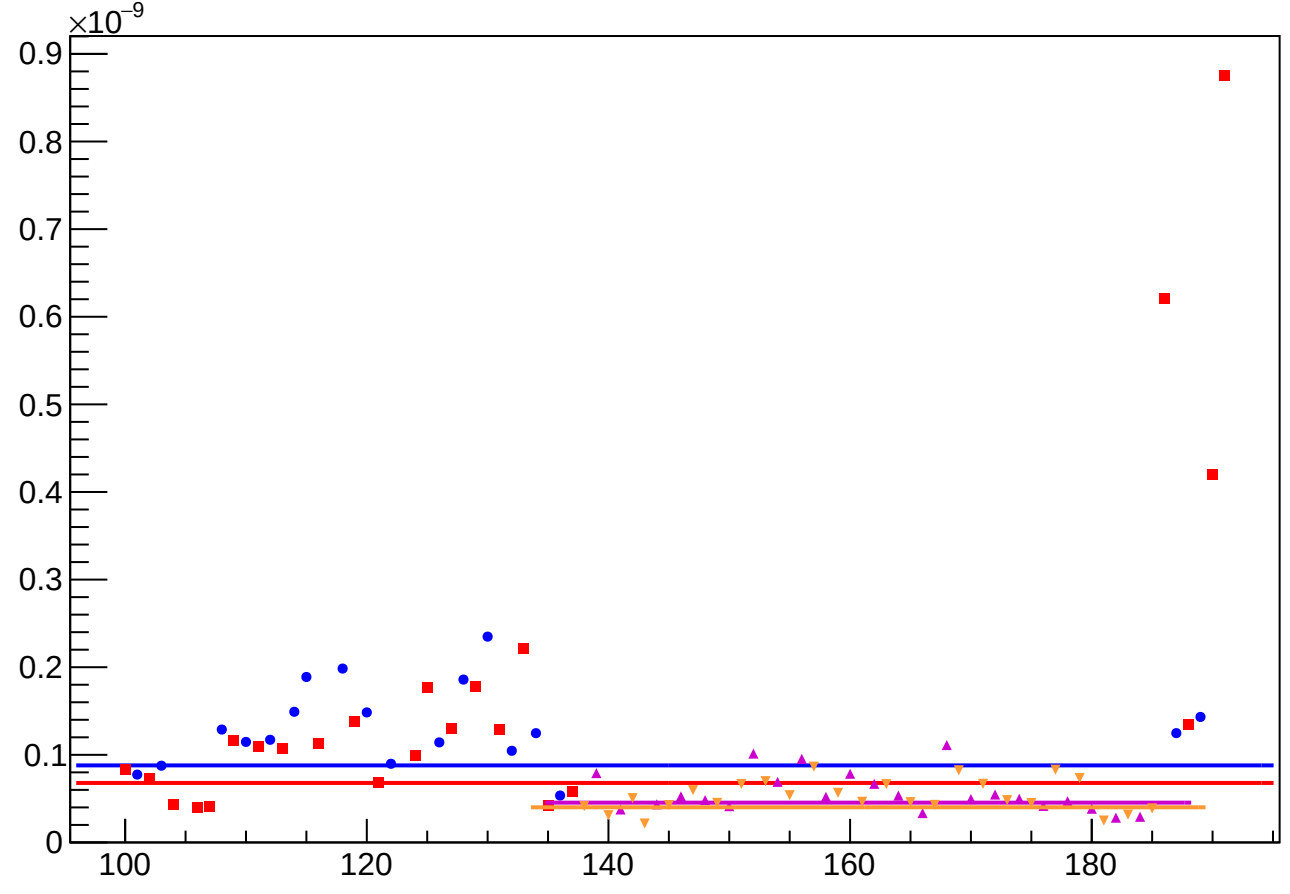
Right Out: -0.000+/-0.000 χ^2/NDF: 22.5/22

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: 109.3/88

- sign -0.000+/-0.000 χ^2/NDF: 49.1/45



Right In: 0.000+/-0.000 χ^2/NDF: 1658110.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3167915.4/22

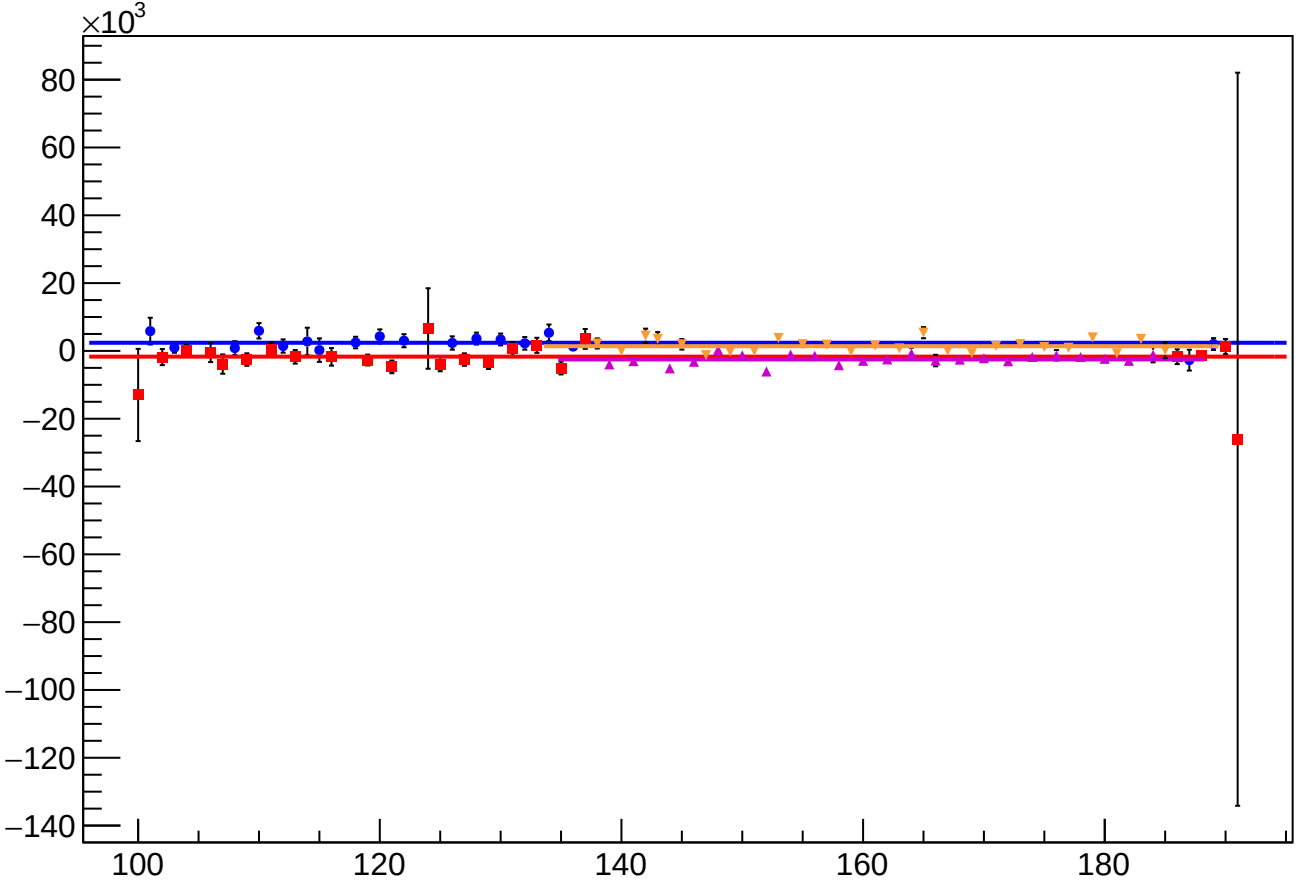
Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 7654655.6/42

All: 0.000+/-0.000 χ^2/NDF: 14517273.1/88

- sign 0.000+/-0.000 χ^2/NDF: 6712975.9/45

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: -1685.859+/-446.615 χ^2/NDF: 21.6/22

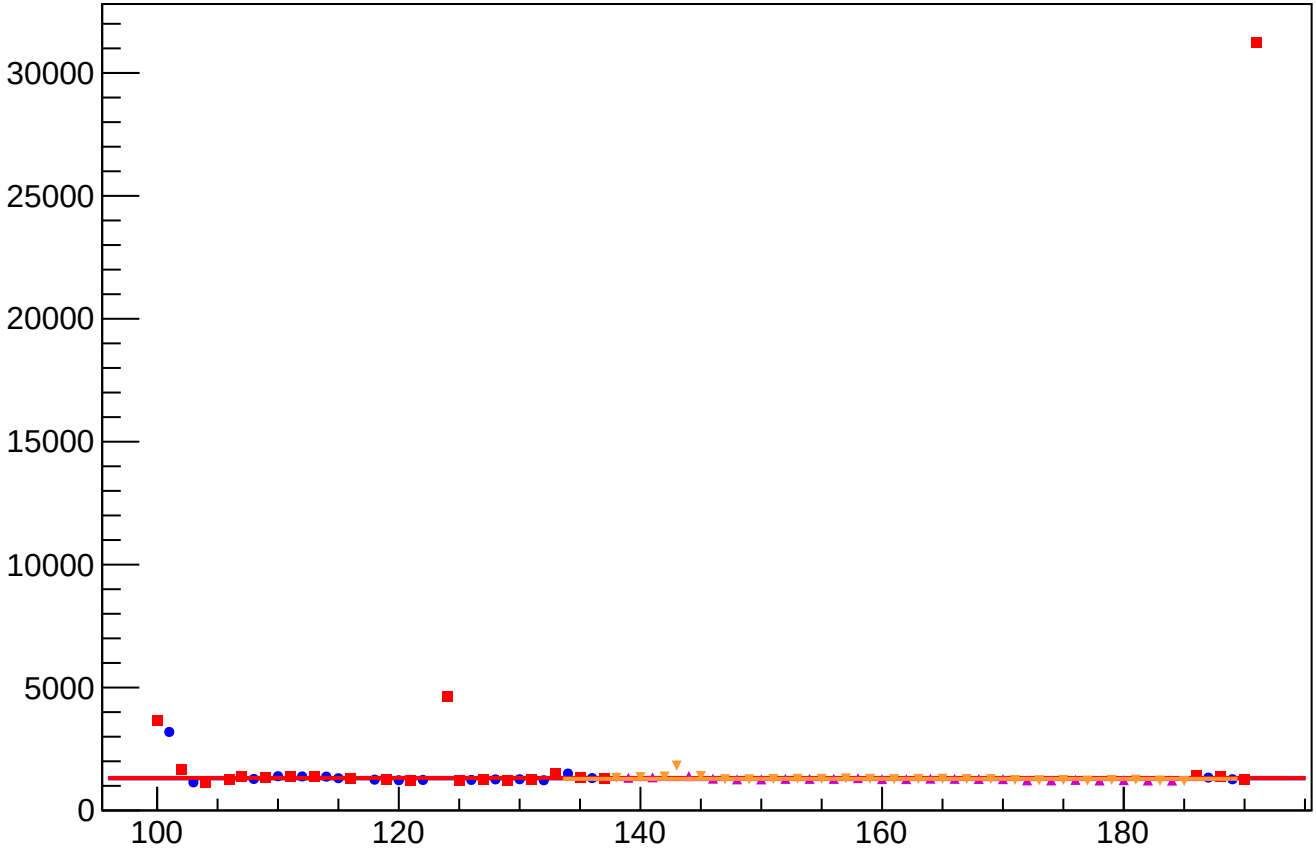
Left In: -2519.365+/-298.095 χ^2/NDF:22.5/22

+ sign 1667.690+/-248.634 χ^2/NDF: 48.3/42

All: -302.888+/-175.565 χ^2/NDF: 220.0/88

- sign -2262.482+/-247.940 χ^2/NDF: 46.5/45

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

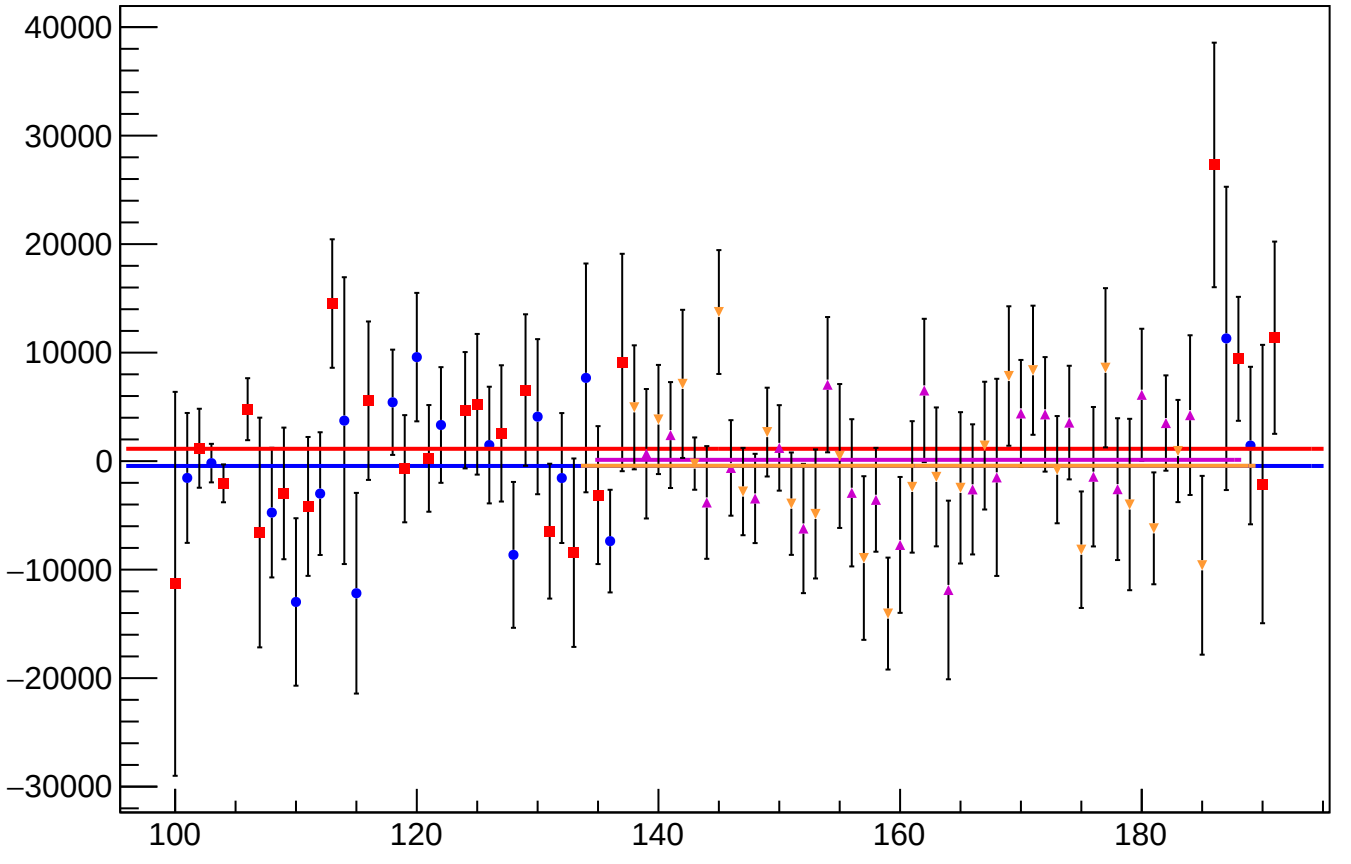
Right Out: 1323.492+/-0.315 χ^2/NDF: 487133.5/22

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1291.050+/-0.176 χ^2/NDF: 710820.4/42

All: 1290.844+/-0.124 χ^2/NDF: 1255088.2/88

- sign 1290.641+/-0.175 χ^2/NDF: 544265.1/45



Right In: -445.350+/-1172.919 χ^2/NDF: 15.5/17

Left Out: -428.530+/-1038.038 χ^2/NDF:29.8/24

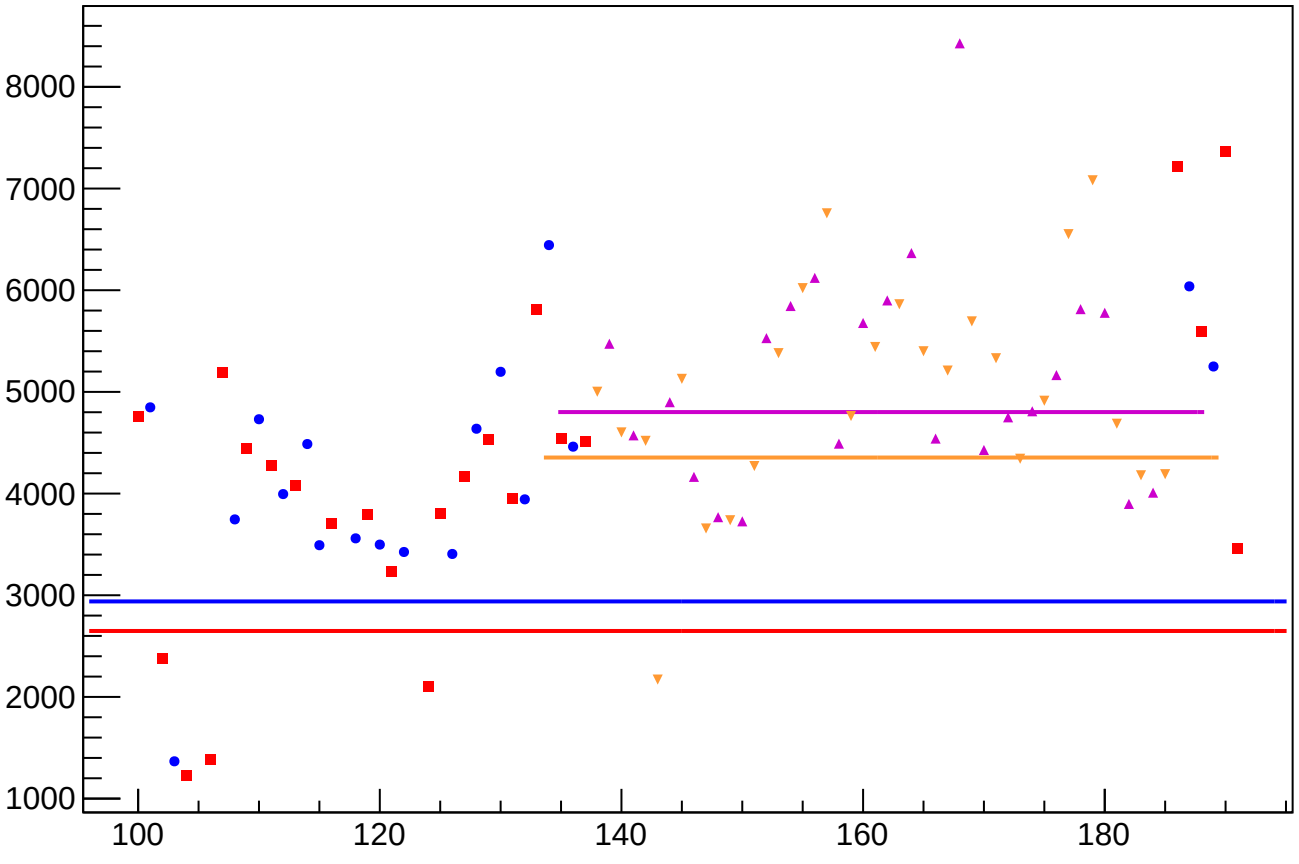
Right Out: 1135.980+/-1023.263 χ^2/NDF: 27.0/22

Left In: 119.335+/-1144.695 χ^2/NDF:13.6/22

+ sign -435.918+/-777.337 χ^2/NDF: 45.3/42

All: 134.762+/-544.480 χ^2/NDF: 87.4/88

- sign 684.424+/-762.889 χ^2/NDF: 41.0/45



Right In: 2939.282+/-0.829 χ^2/NDF: 3215975.5/17

Left Out: 4354.526+/-0.734 χ^2/NDF:3071436.3/24

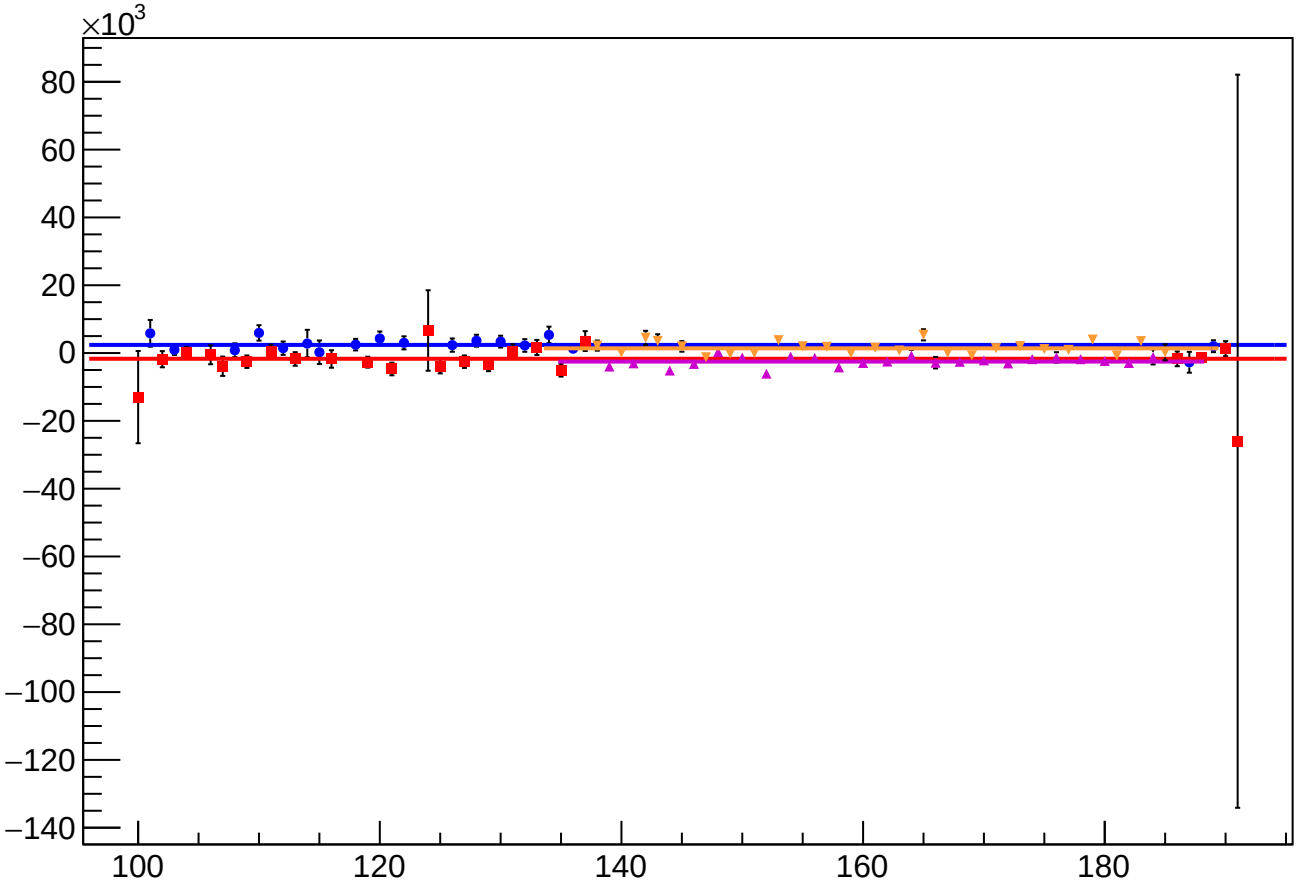
Right Out: 2648.559+/-0.724 χ^2/NDF: 4563267.7/22

Left In: 4801.573+/-0.809 χ^2/NDF:1231883.2/22

+ sign 3732.922+/-0.550 χ^2/NDF: 7920271.5/42

All: 3667.683+/-0.385 χ^2/NDF: 17675787.0/8

- sign 3604.847+/-0.539 χ^2/NDF: 9727860.1/45



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: -1685.635+/-446.615 χ^2/NDF: 21.6/22

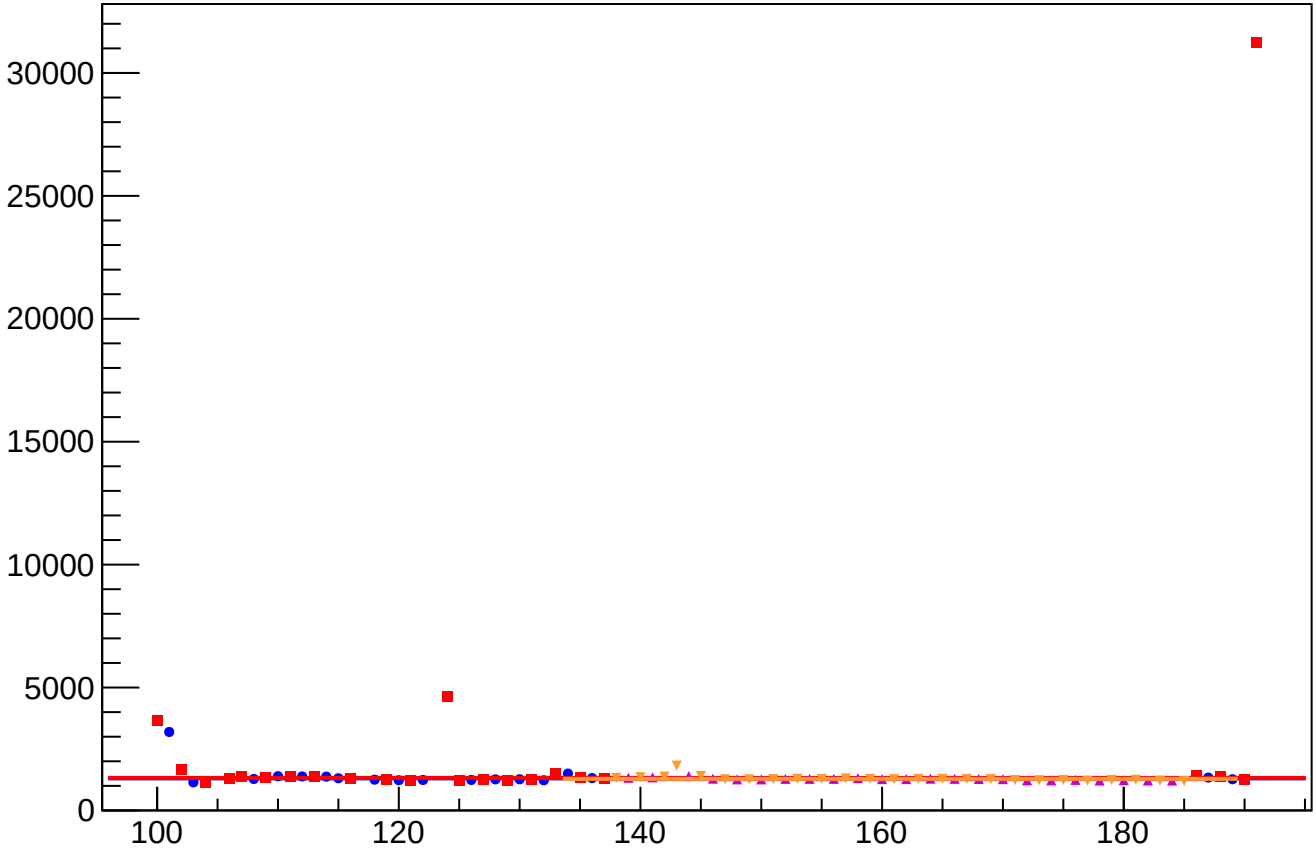
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1667.582+/-248.634 χ^2/NDF: 48.3/42

All: -302.908+/-175.565 χ^2/NDF: 220.0/88

- sign -2262.414+/-247.940 χ^2/NDF: 46.5/45

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

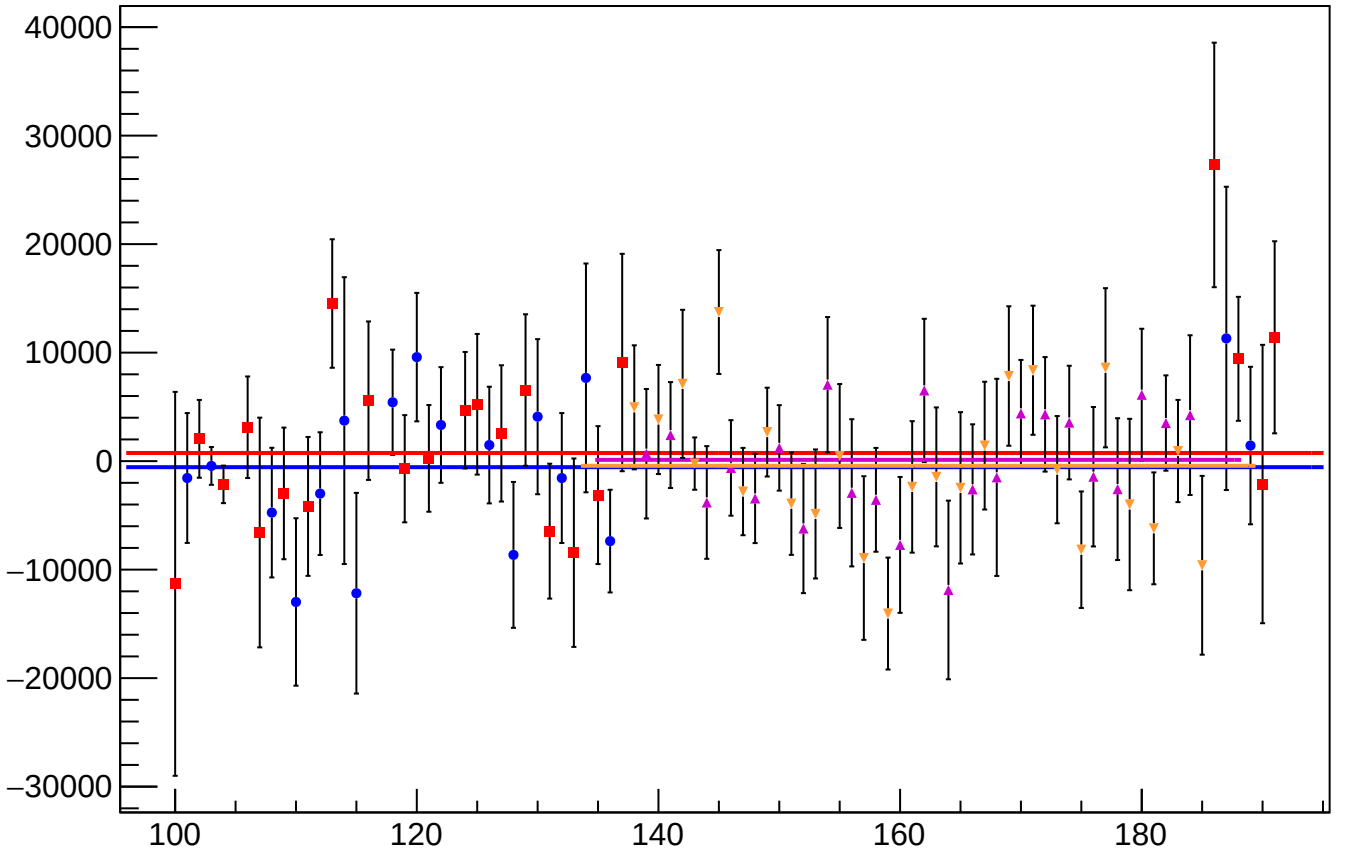
Right Out: 1324.423+/-0.315 χ^2/NDF: 486502.4/22

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1291.049+/-0.176 χ^2/NDF: 710821.9/42

All: 1290.982+/-0.124 χ^2/NDF: 1255063.5/88

- sign 1290.915+/-0.175 χ^2/NDF: 544241.3/45



Right In: -557.399+/-1163.000 χ^2/NDF: 15.5/17

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

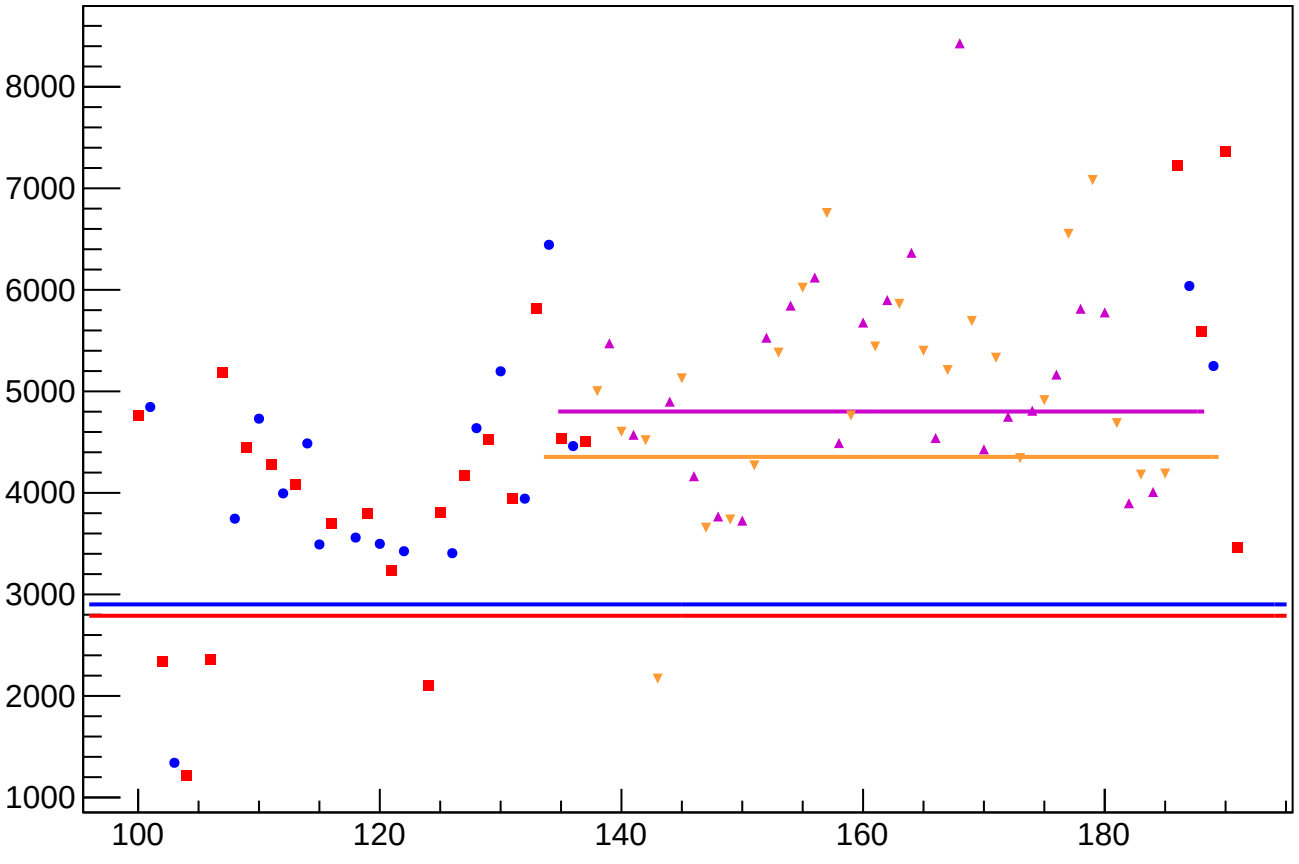
Right Out: 751.982+/-1062.087 χ^2/NDF: 25.7/22

Left In: 119.307+/-1144.695 χ^2/NDF:13.6/22

+ sign -485.669+/-774.428 χ^2/NDF: 45.3/42

All: -15.711+/-549.064 χ^2/NDF: 85.6/88

- sign 459.295+/-778.577 χ^2/NDF: 39.5/45



Right In: 2901.558+/-0.822 χ^2/NDF: 3327932.9/17

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

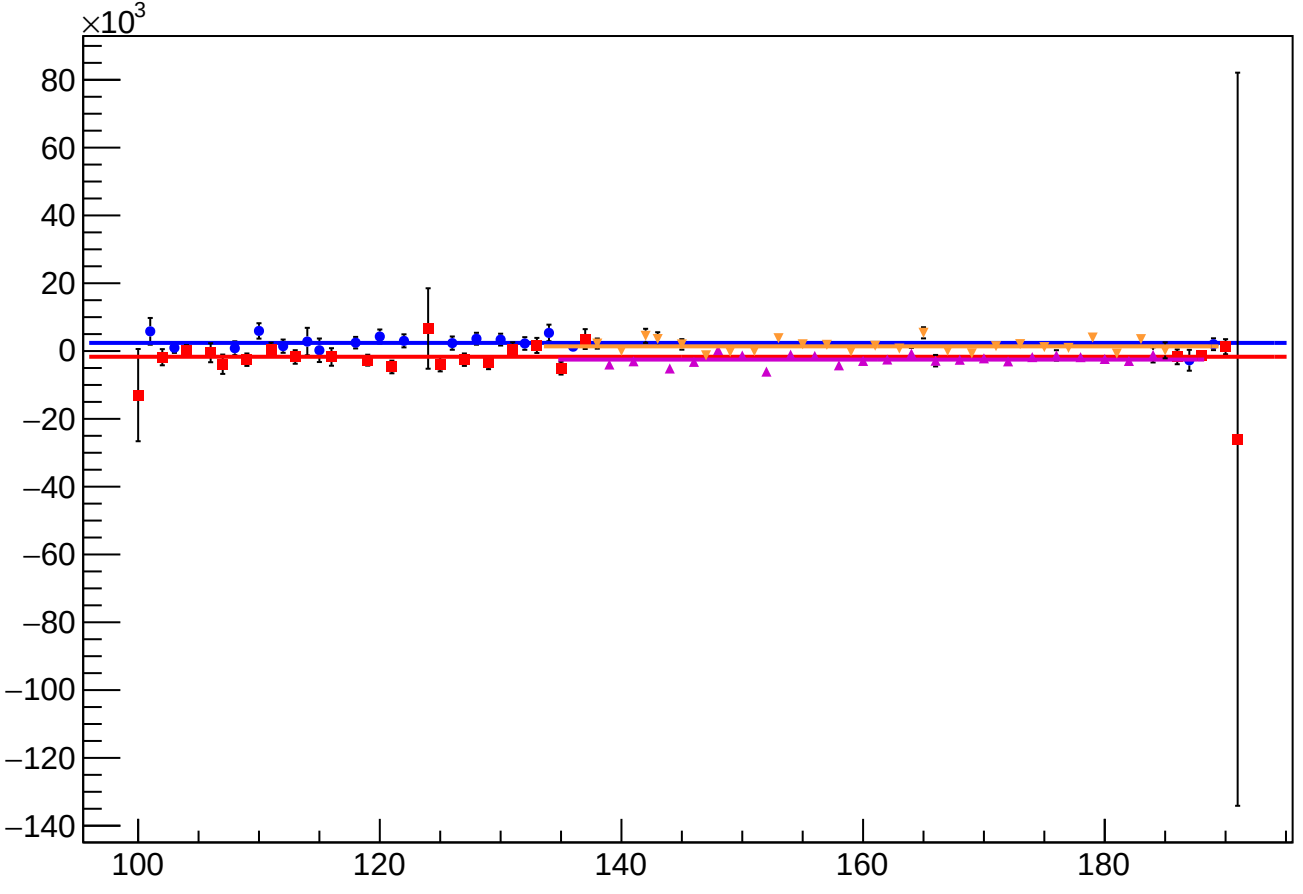
Right Out: 2789.891+/-0.751 χ^2/NDF: 4195619.2/22

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

+ sign 3710.261+/-0.548 χ^2/NDF: 8136907.5/42

All: 3715.368+/-0.388 χ^2/NDF: 16883929.1/8

- sign 3720.531+/-0.551 χ^2/NDF: 8746846.7/45



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: -1685.635+/-446.615 χ^2/NDF: 21.6/22

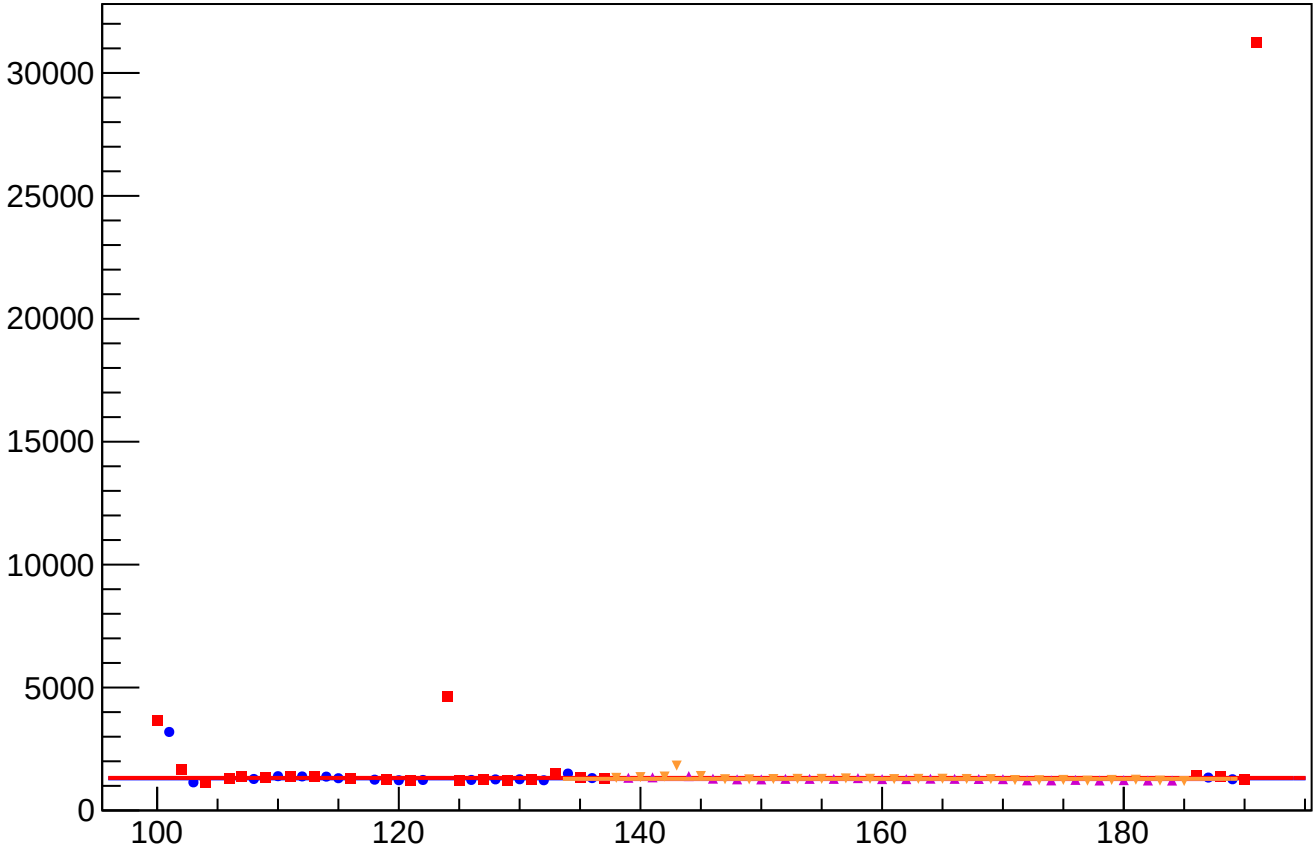
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1667.582+/-248.634 χ^2/NDF: 48.3/42

All: -302.908+/-175.565 χ^2/NDF: 220.0/88

- sign -2262.414+/-247.940 χ^2/NDF: 46.5/45

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

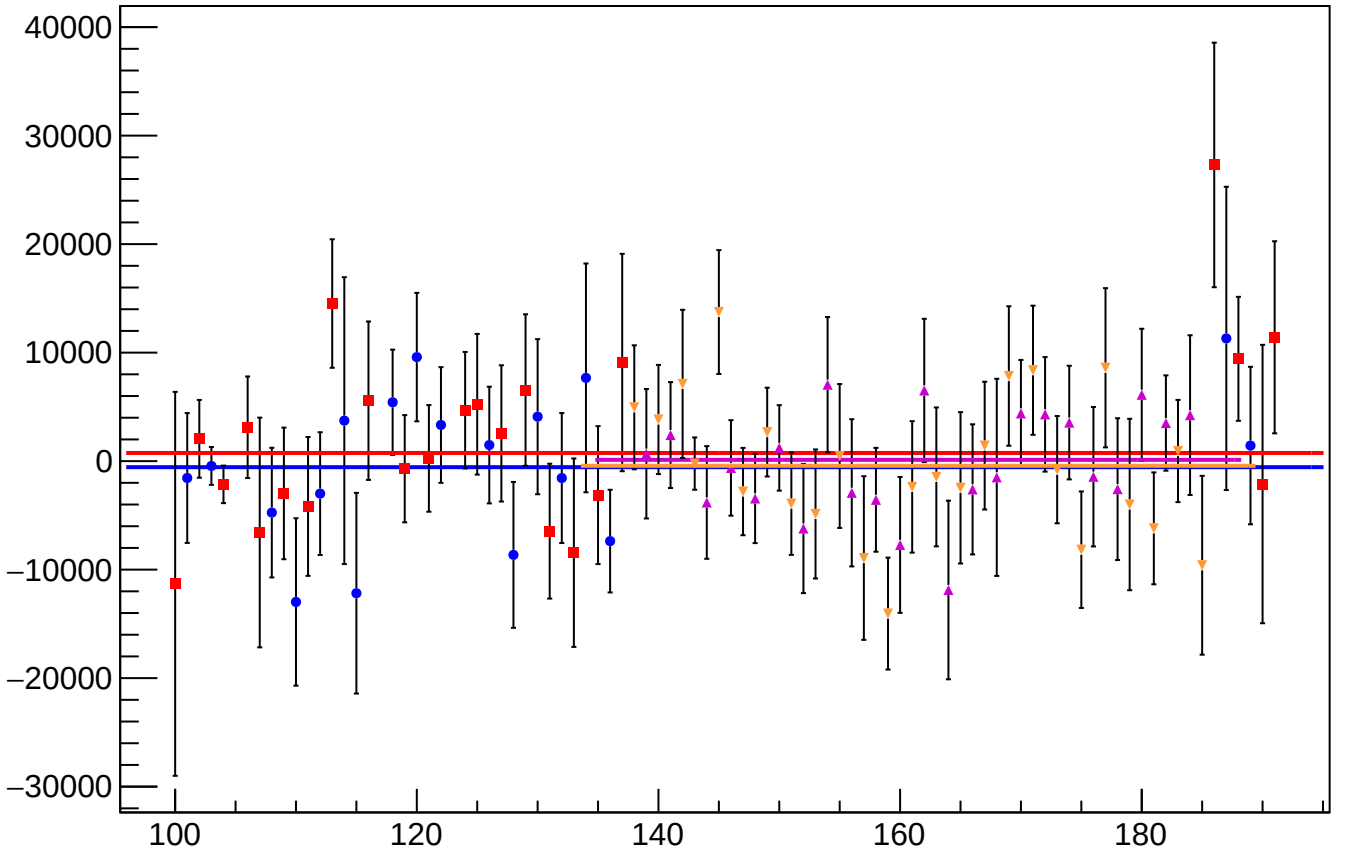
Right Out: 1324.423+/-0.315 χ^2/NDF: 486502.4/22

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1291.049+/-0.176 χ^2/NDF: 710821.9/42

All: 1290.982+/-0.124 χ^2/NDF: 1255063.5/88

- sign 1290.915+/-0.175 χ^2/NDF: 544241.3/45



Right In: -557.399+/-1163.000 χ^2/NDF: 15.5/17

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

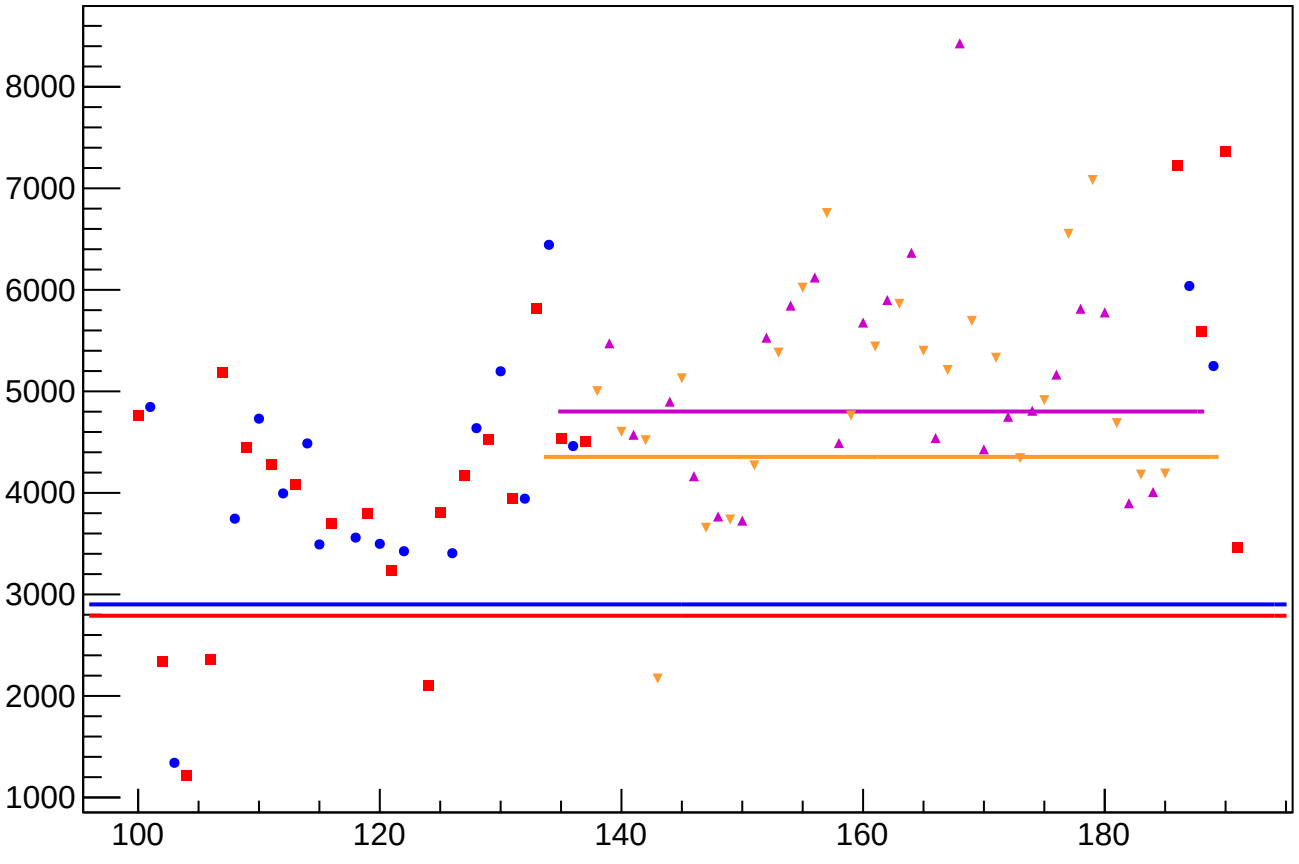
Right Out: 751.982+/-1062.087 χ^2/NDF: 25.7/22

Left In: 119.307+/-1144.695 χ^2/NDF:13.6/22

+ sign -485.669+/-774.428 χ^2/NDF: 45.3/42

All: -15.711+/-549.064 χ^2/NDF: 85.6/88

- sign 459.295+/-778.577 χ^2/NDF: 39.5/45



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: 2789.891+/-0.751 χ^2/NDF: 4195619.2/22

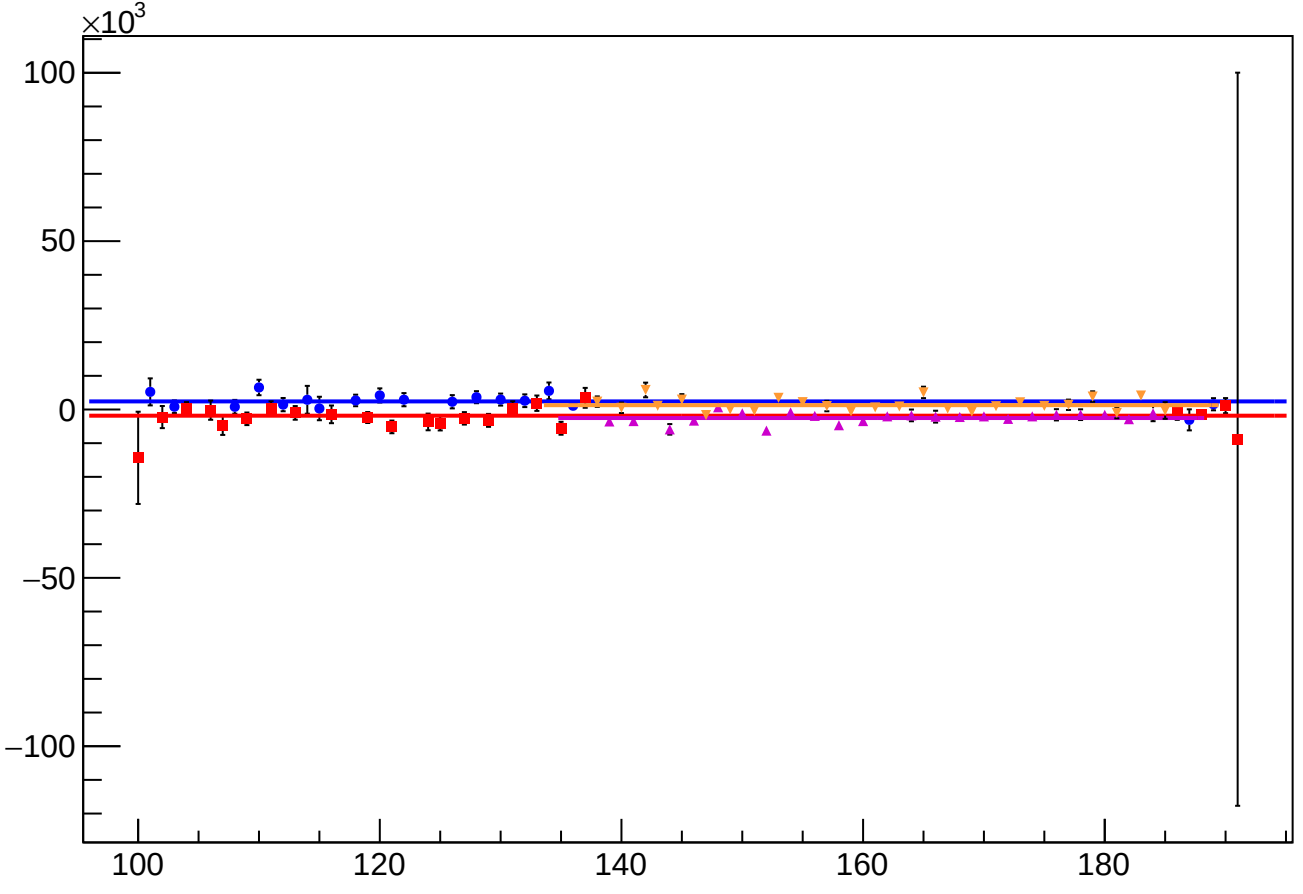
Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

+ sign 3710.261+/-0.548 χ^2/NDF: 8136907.5/42

All: 3715.368+/-0.388 χ^2/NDF: 16883929.1/8

- sign 3720.531+/-0.551 χ^2/NDF: 8746846.7/45

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: -1838.965+/-454.720 χ^2/NDF: 23.2/22

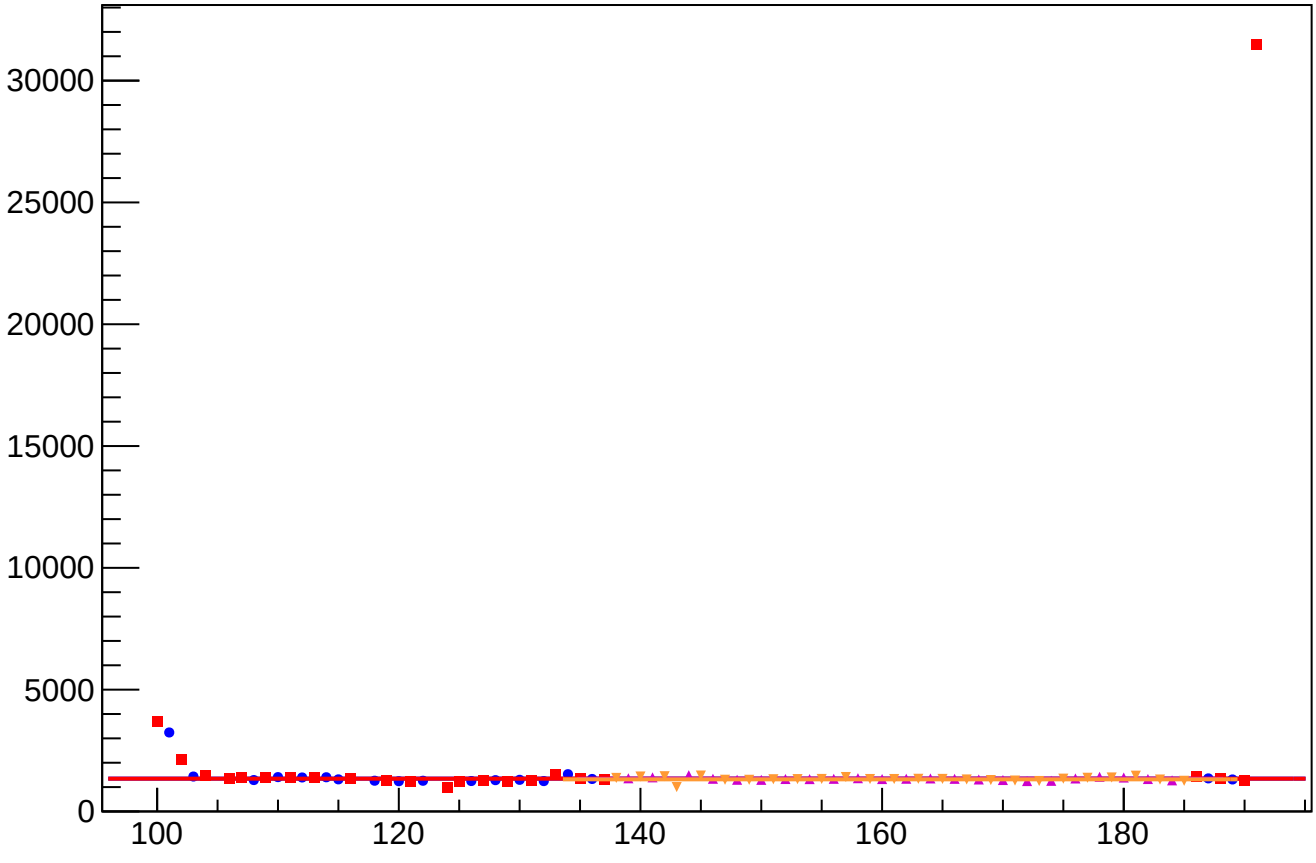
Left In: -2531.791+/-312.886 χ^2/NDF:25.0/22

+ sign 1594.498+/-255.626 χ^2/NDF: 50.0/42

All: -341.102+/-181.505 χ^2/NDF: 215.5/88

- sign -2309.167+/-257.761 χ^2/NDF: 49.8/45

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

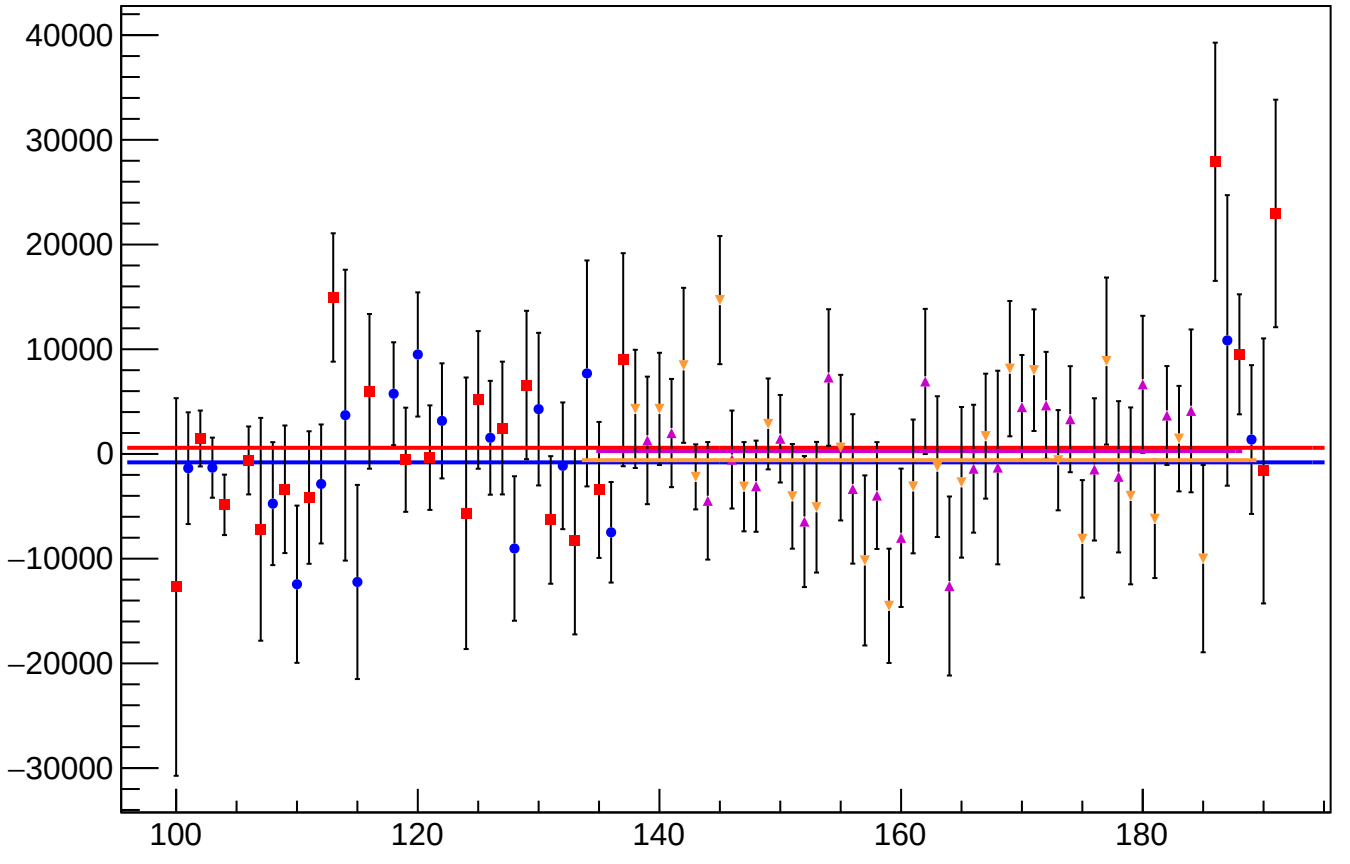
Right Out: 1345.519+/-0.321 χ^2/NDF: 432028.0/22

Left In: 1338.602+/-0.221 χ^2/NDF:54248.5/22

+ sign 1326.378+/-0.181 χ^2/NDF: 748789.4/42

All: 1333.543+/-0.128 χ^2/NDF: 1238548.6/88

- sign 1340.826+/-0.182 χ^2/NDF: 486590.7/45



Right In: -802.300+/-1371.051 χ^2/NDF: 15.4/17

Left Out: -594.916+/-1122.287 χ^2/NDF:29.5/24

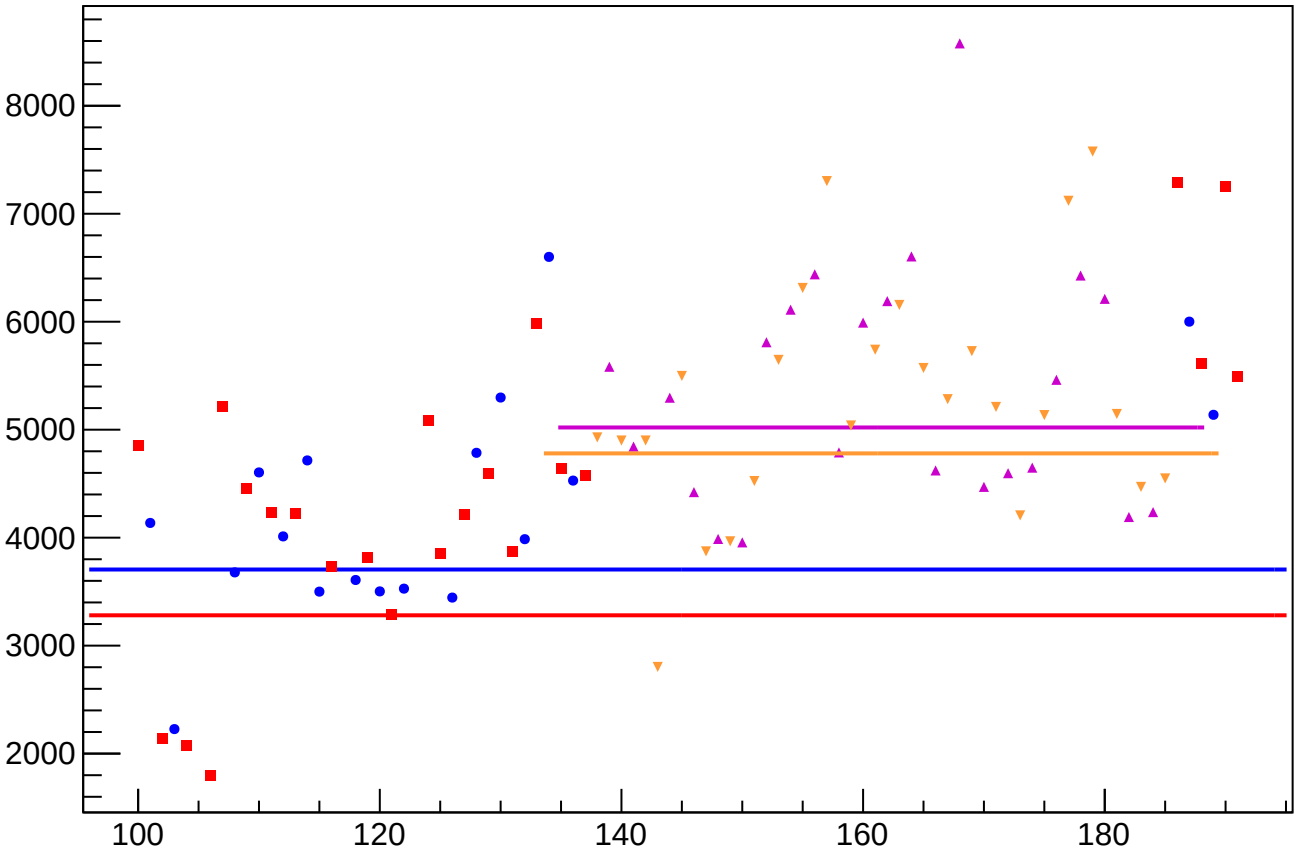
Right Out: 588.108+/-1158.987 χ^2/NDF: 29.3/22

Left In: 272.915+/-1196.804 χ^2/NDF:13.4/22

+ sign -678.121+/-868.441 χ^2/NDF: 45.0/42

All: -97.804+/-600.999 χ^2/NDF: 88.6/88

- sign 435.570+/-832.576 χ^2/NDF: 42.7/45



Right In: 3705.027+/-0.969 χ^2/NDF: 1087411.3/17

Left Out: 4780.396+/-0.794 χ^2/NDF:2006245.3/24

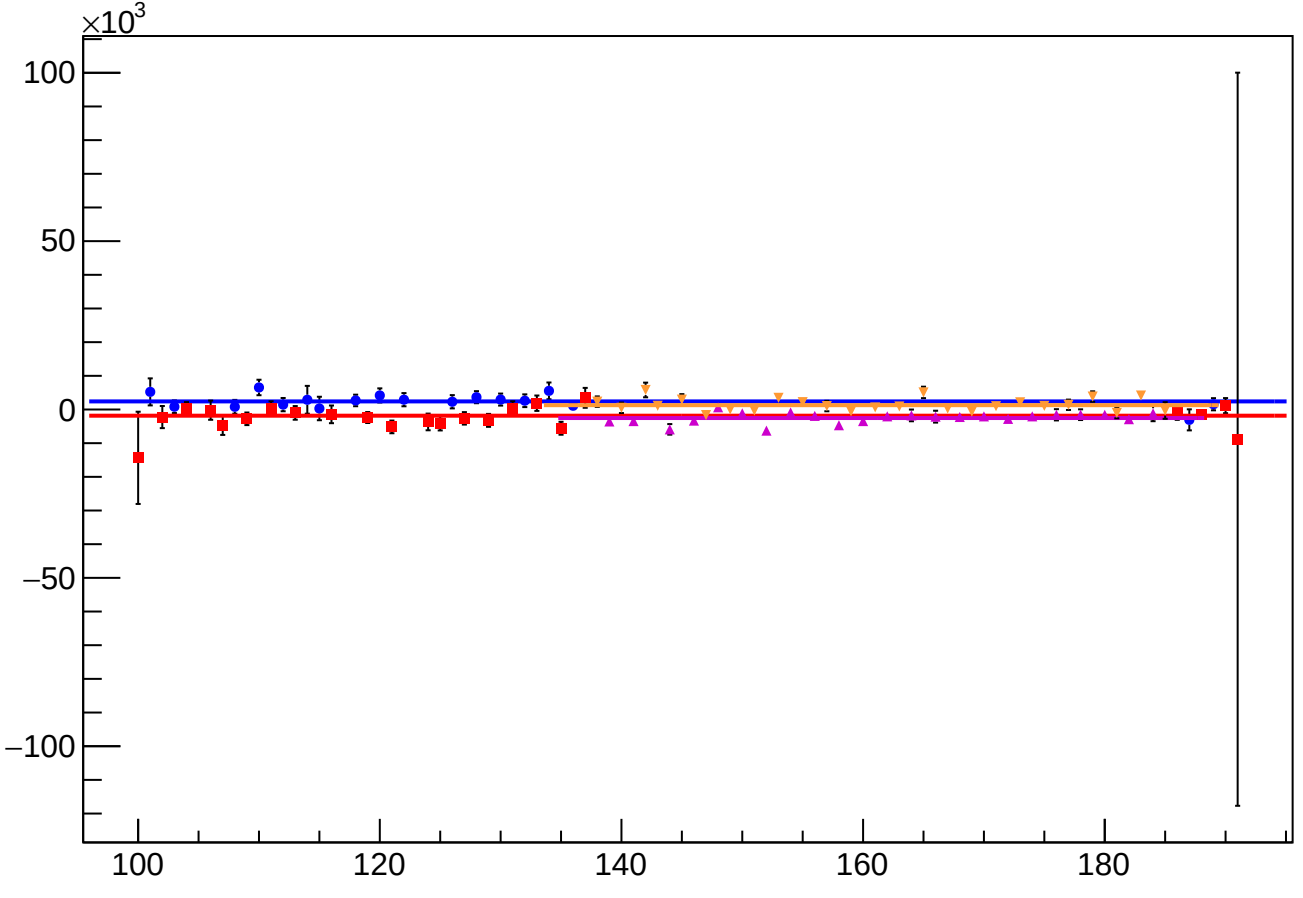
Right Out: 3280.865+/-0.820 χ^2/NDF: 2759094.6/22

Left In: 5020.560+/-0.846 χ^2/NDF:1225091.9/22

+ sign 4348.945+/-0.614 χ^2/NDF: 3830391.2/42

All: 4231.102+/-0.425 χ^2/NDF: 10066076.4/8

- sign 4122.792+/-0.589 χ^2/NDF: 6165011.9/45



Right In: 2405.839+/-486.133 χ^2/NDF: 12.8/17

Left Out: 1284.416+/-300.530 χ^2/NDF:33.4/24

Right Out: -1838.966+/-454.720 χ^2/NDF: 23.2/22

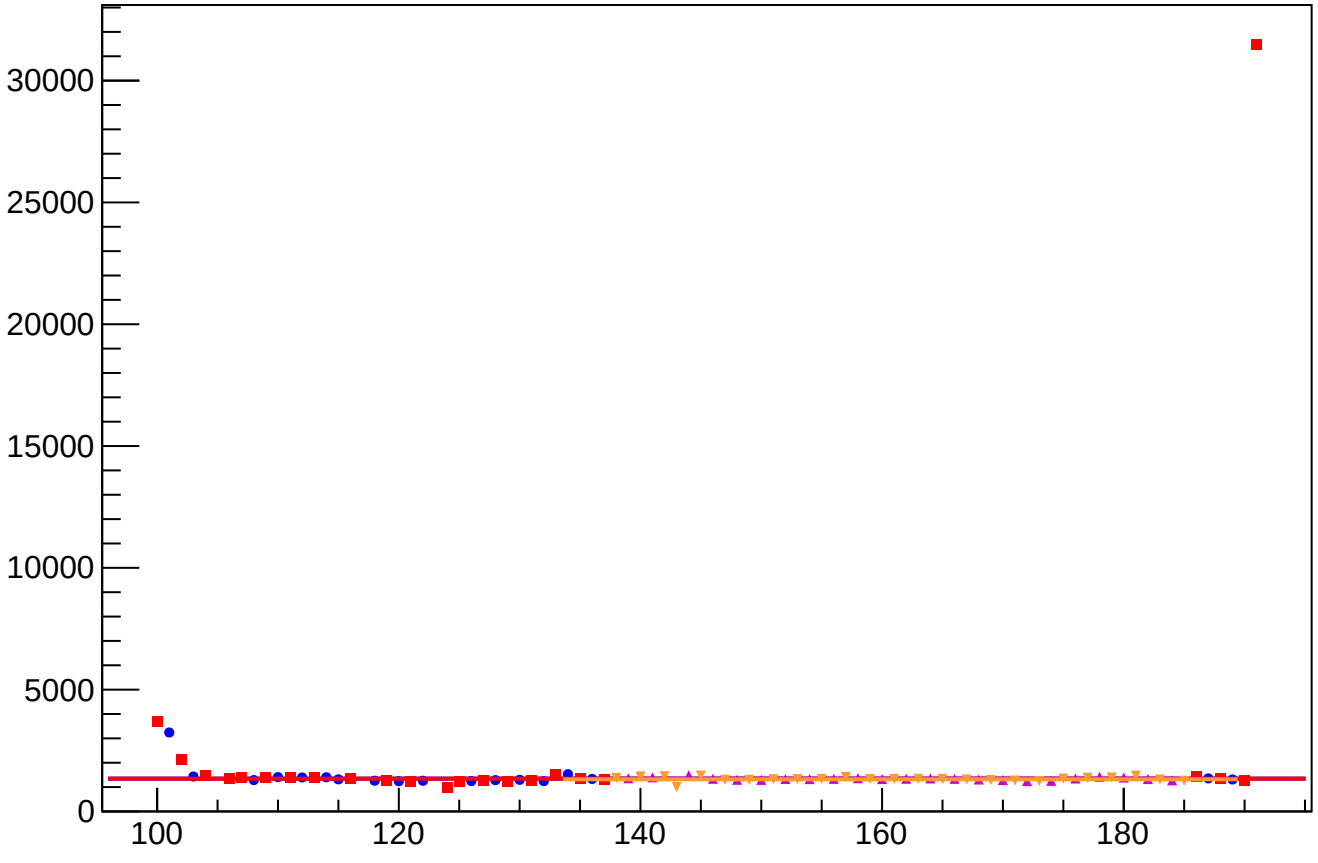
Left In: -2531.791+/-312.887 χ^2/NDF:25.0/22

+ sign 1594.495+/-255.626 χ^2/NDF: 50.0/42

All: -341.104+/-181.505 χ^2/NDF: 215.5/88

- sign -2309.168+/-257.761 χ^2/NDF: 49.8/45

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: 1345.518+/-0.321 χ^2/NDF: 432027.0/22

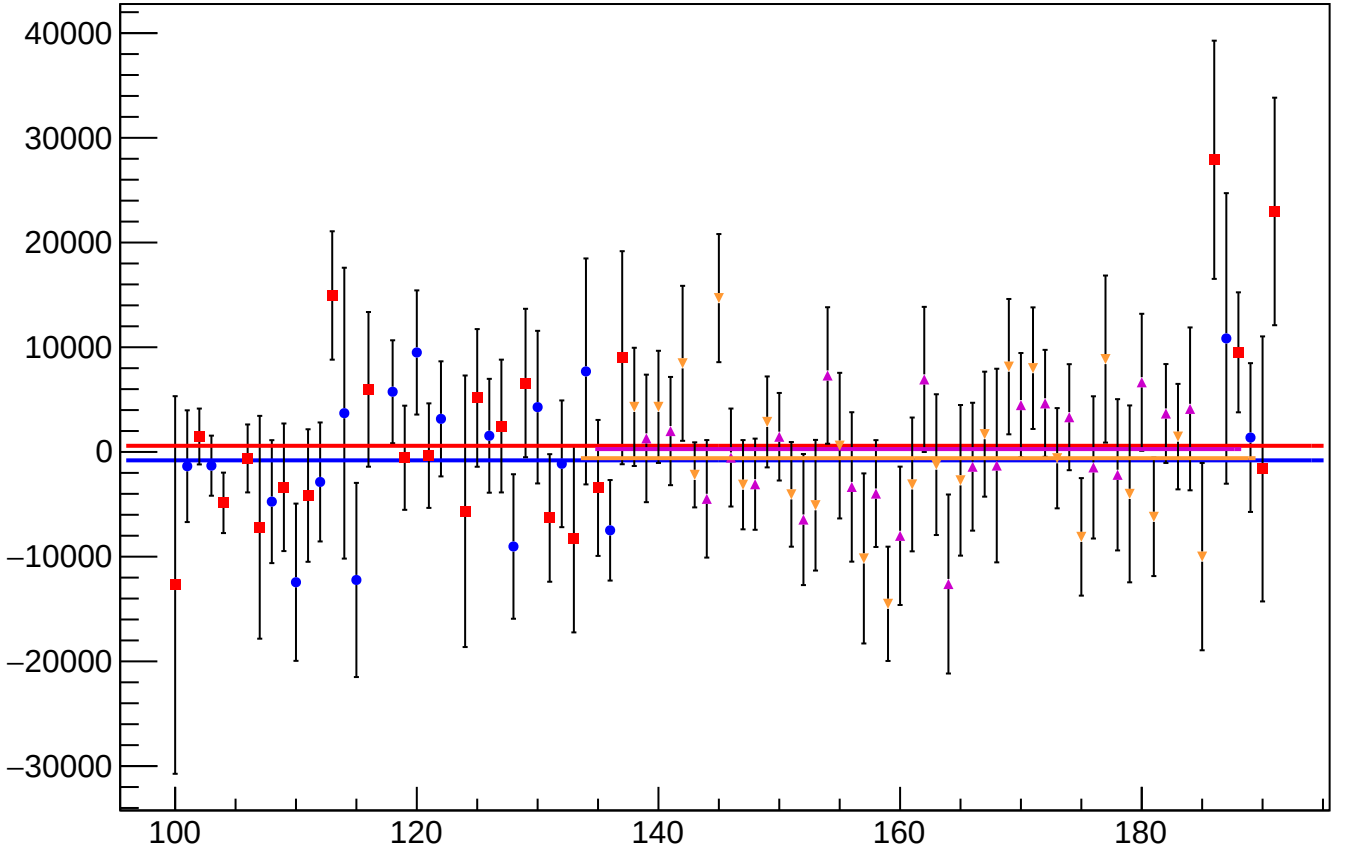
Left In: 1338.604+/-0.221 χ^2/NDF:54251.0/22

+ sign 1326.379+/-0.181 χ^2/NDF: 748791.5/42

All: 1333.544+/-0.128 χ^2/NDF: 1238552.0/88

- sign 1340.827+/-0.182 χ^2/NDF: 486592.1/45

asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug



Right In: -802.292+/-1371.048 χ^2/NDF: 15.4/17

Left Out: -594.920+/-1122.288 χ^2/NDF:29.5/24

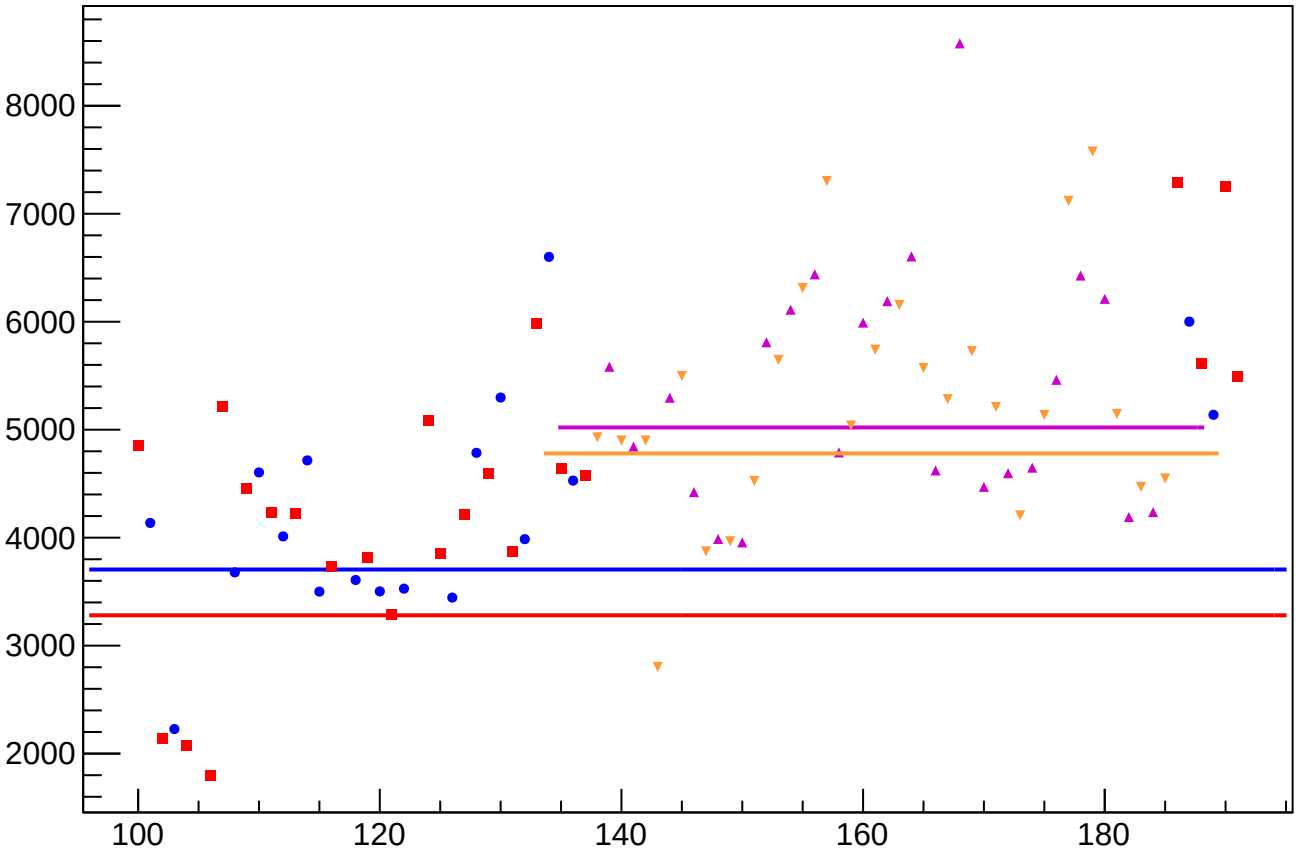
Right Out: 588.101+/-1158.984 χ^2/NDF: 29.3/22

Left In: 272.917+/-1196.806 χ^2/NDF:13.4/22

+ sign -678.121+/-868.441 χ^2/NDF: 45.0/42

All: -97.805+/-600.999 χ^2/NDF: 88.6/88

- sign 435.568+/-832.576 χ^2/NDF: 42.7/45



Right In: 3705.018+/-0.969 χ^2/NDF: 1087415.8/17

Left Out: 4780.404+/-0.794 χ^2/NDF:2006246.8/24

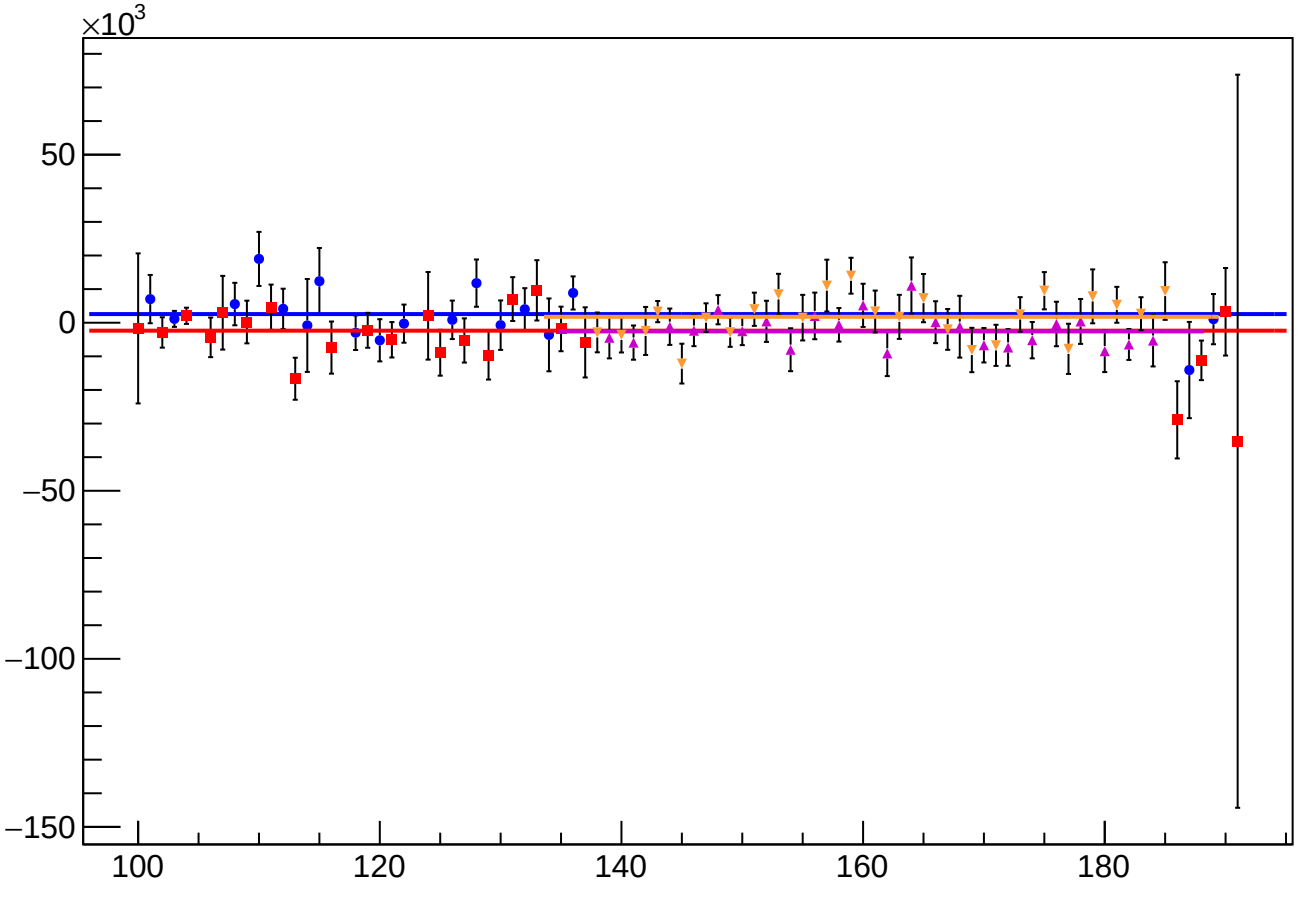
Right Out: 3280.856+/-0.820 χ^2/NDF: 2759103.3/22

Left In: 5020.567+/-0.846 χ^2/NDF:1225095.5/22

+ sign 4348.944+/-0.614 χ^2/NDF: 3830420.9/42

All: 4231.100+/-0.425 χ^2/NDF: 10066163.3/8

- sign 4122.788+/-0.589 χ^2/NDF: 6165066.9/45



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: -2364.188+/-1288.996 χ^2/NDF: 25.0/22

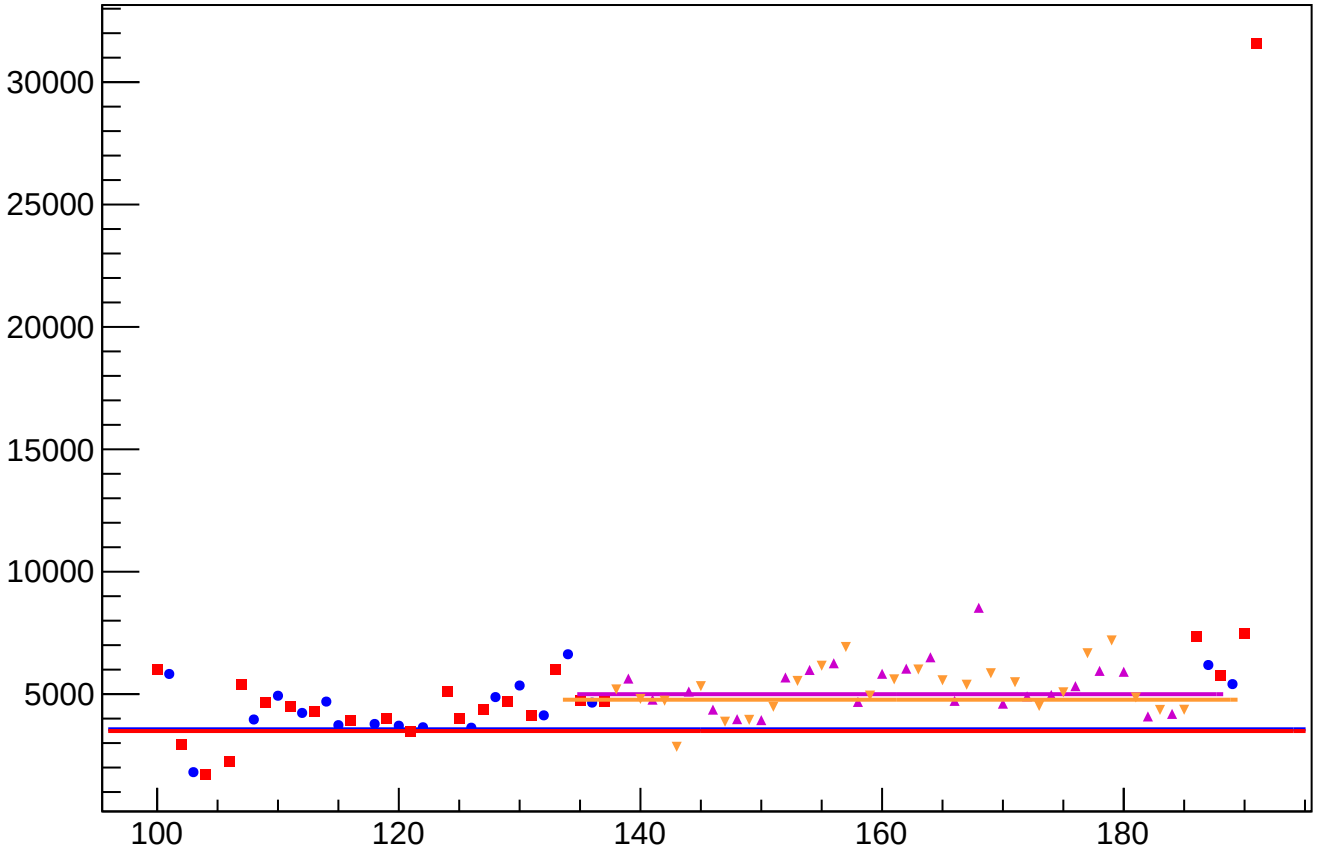
Left In: -2579.960+/-1188.448 χ^2/NDF:13.3/22

+ sign 2087.966+/-862.790 χ^2/NDF: 42.5/42

All: -167.600+/-613.922 χ^2/NDF: 94.6/88

- sign -2480.817+/-873.746 χ^2/NDF: 38.3/45

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

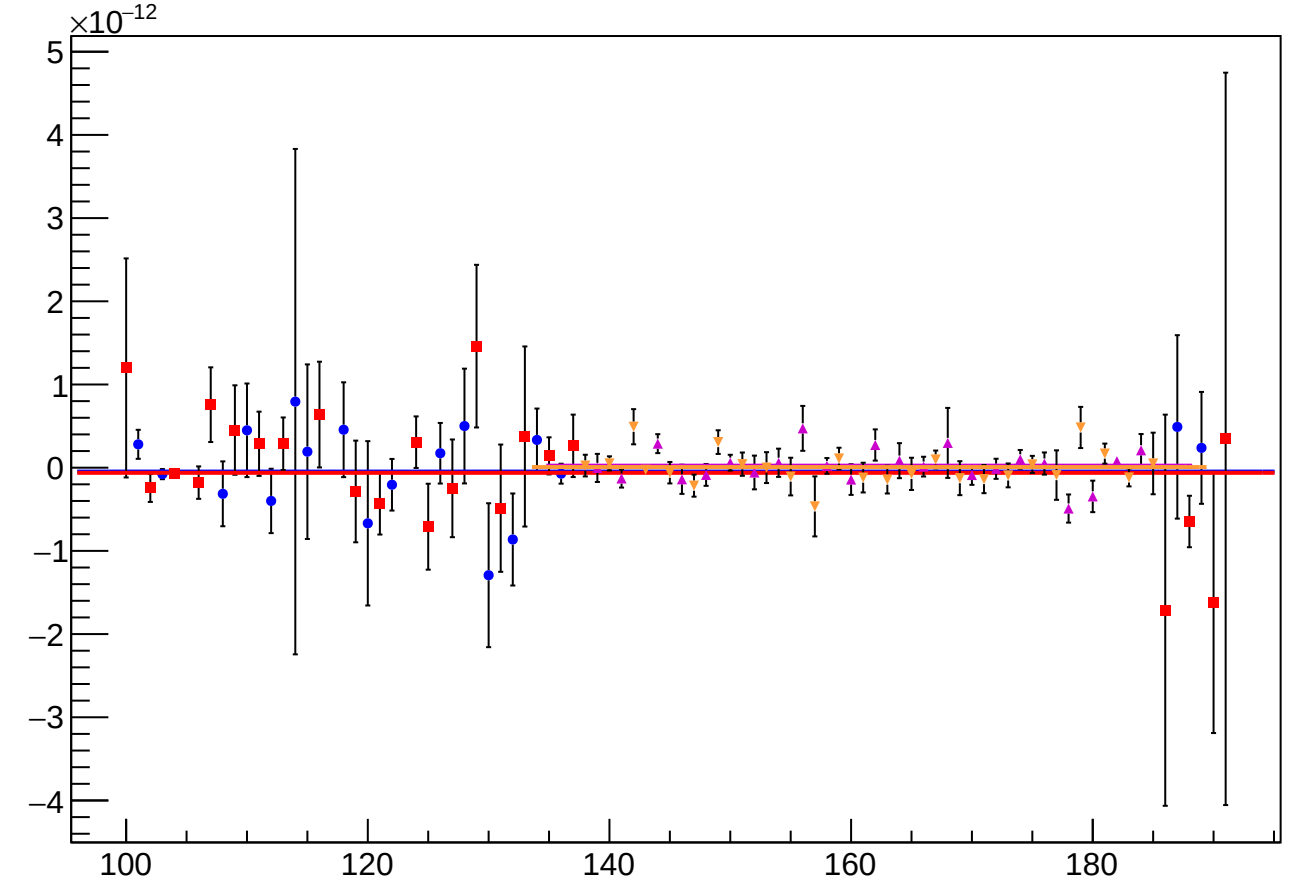
Right Out: 3491.393+/-0.900 χ^2/NDF: 2771840.7/22

Left In: 4996.720+/-0.840 χ^2/NDF:1095876.8/22

+ sign 4284.598+/-0.610 χ^2/NDF: 4772629.4/42

All: 4289.997+/-0.433 χ^2/NDF: 10135277.1/8

- sign 4295.468+/-0.614 χ^2/NDF: 5362490.1/45



Right In: -0.000+/-0.000 χ^2/NDF: 14.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/24

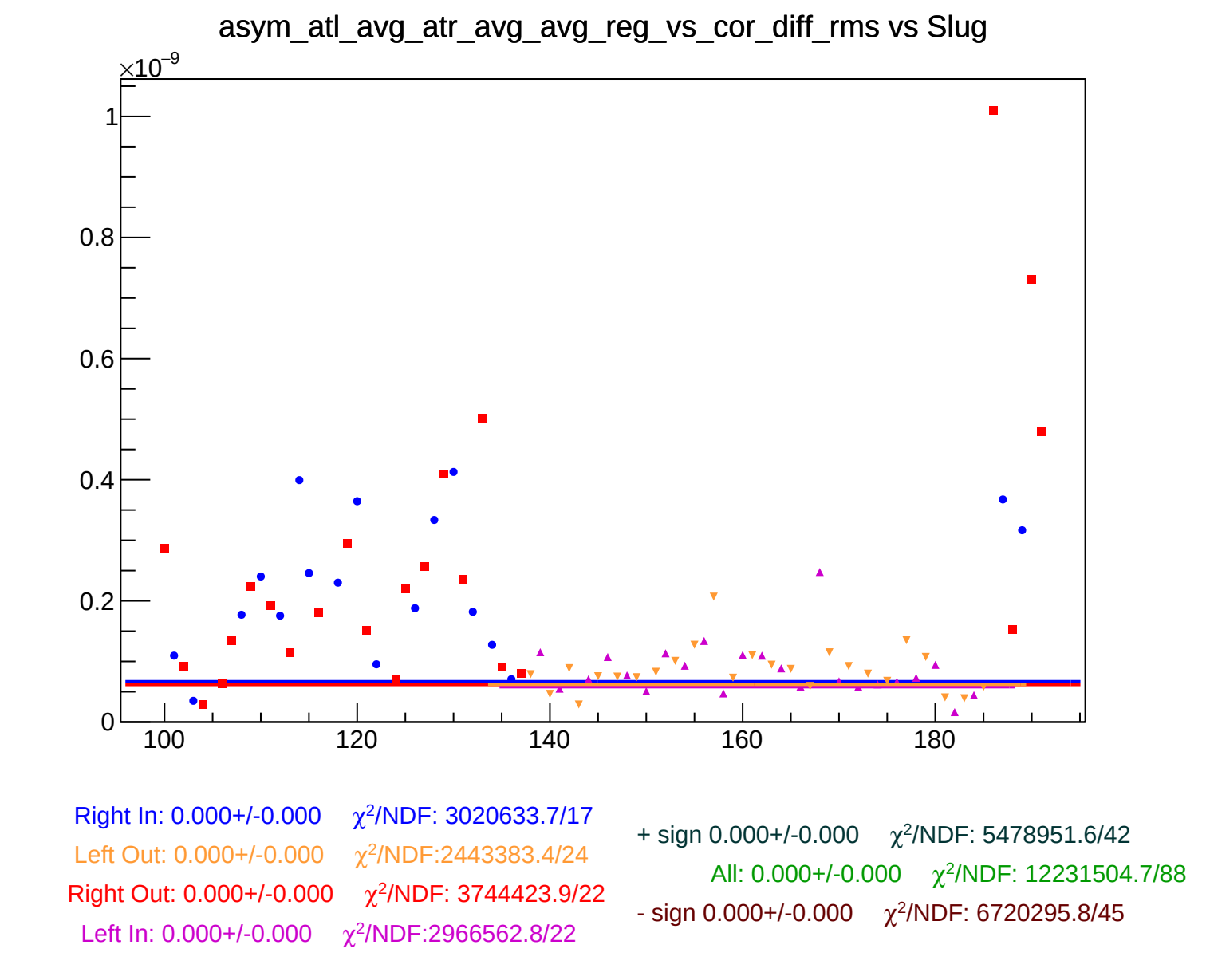
Right Out: -0.000+/-0.000 χ^2/NDF: 23.7/22

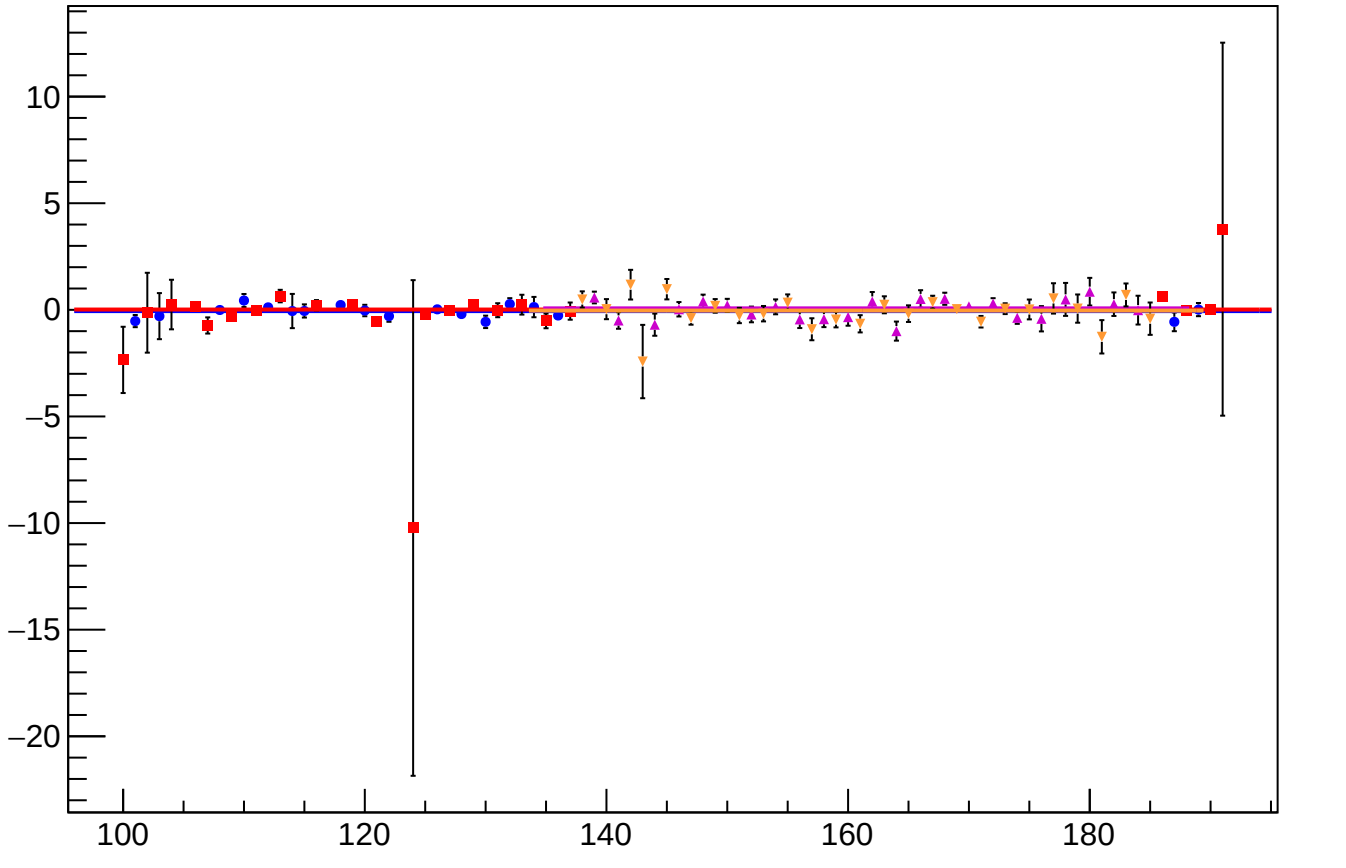
Left In: 0.000+/-0.000 χ^2/NDF:31.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 42.2/42

All: -0.000+/-0.000 χ^2/NDF: 100.2/88

- sign 0.000+/-0.000 χ^2/NDF: 57.9/45


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
120
140
160
180
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: 3744423.9/22
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: 12231504.7/88
- sign 0.000+/-0.000 χ²/NDF: 6720295.8/45



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: 0.014+/-0.052 χ^2/NDF: 35.3/22

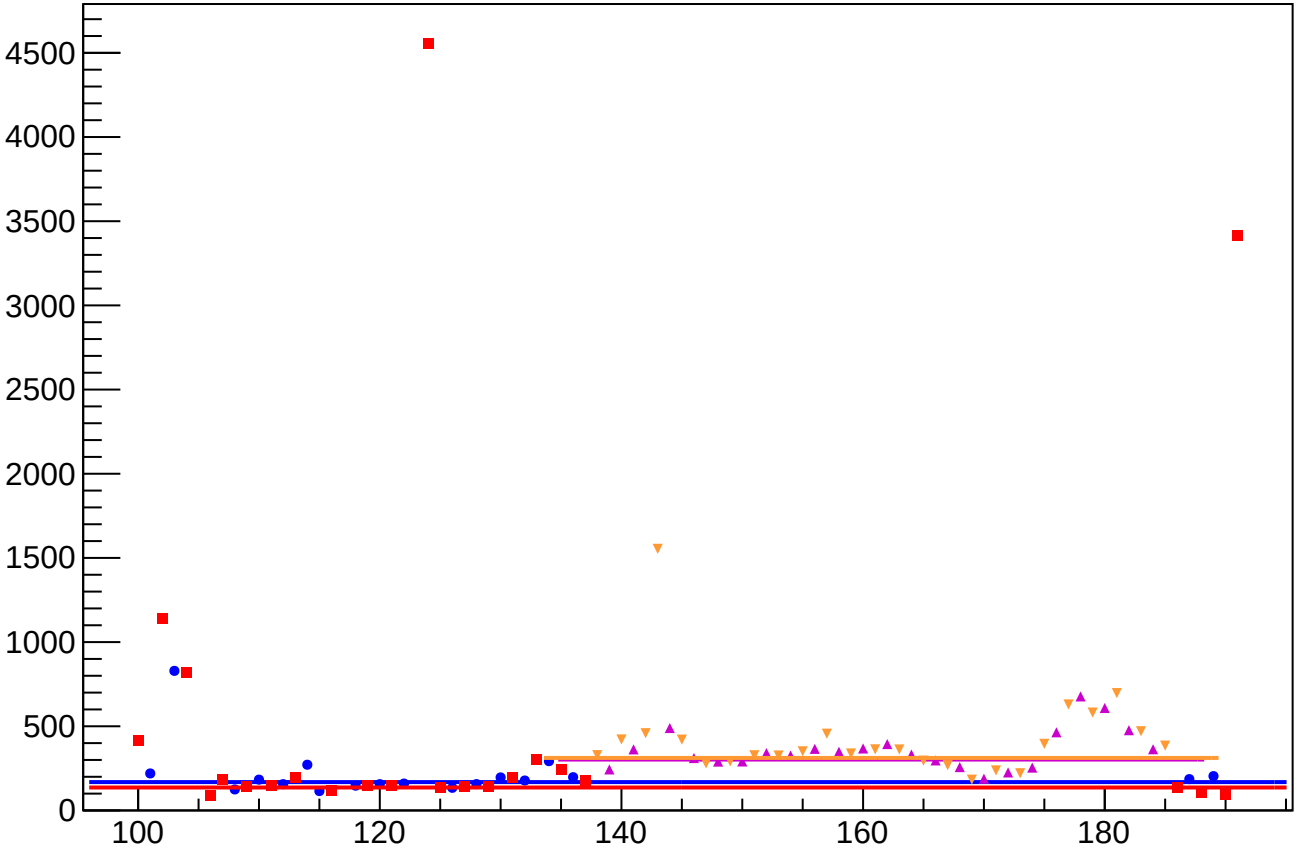
Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.049+/-0.049 χ^2/NDF: 48.8/42

All: -0.003+/-0.032 χ^2/NDF: 116.0/88

- sign 0.032+/-0.043 χ^2/NDF: 65.6/45

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

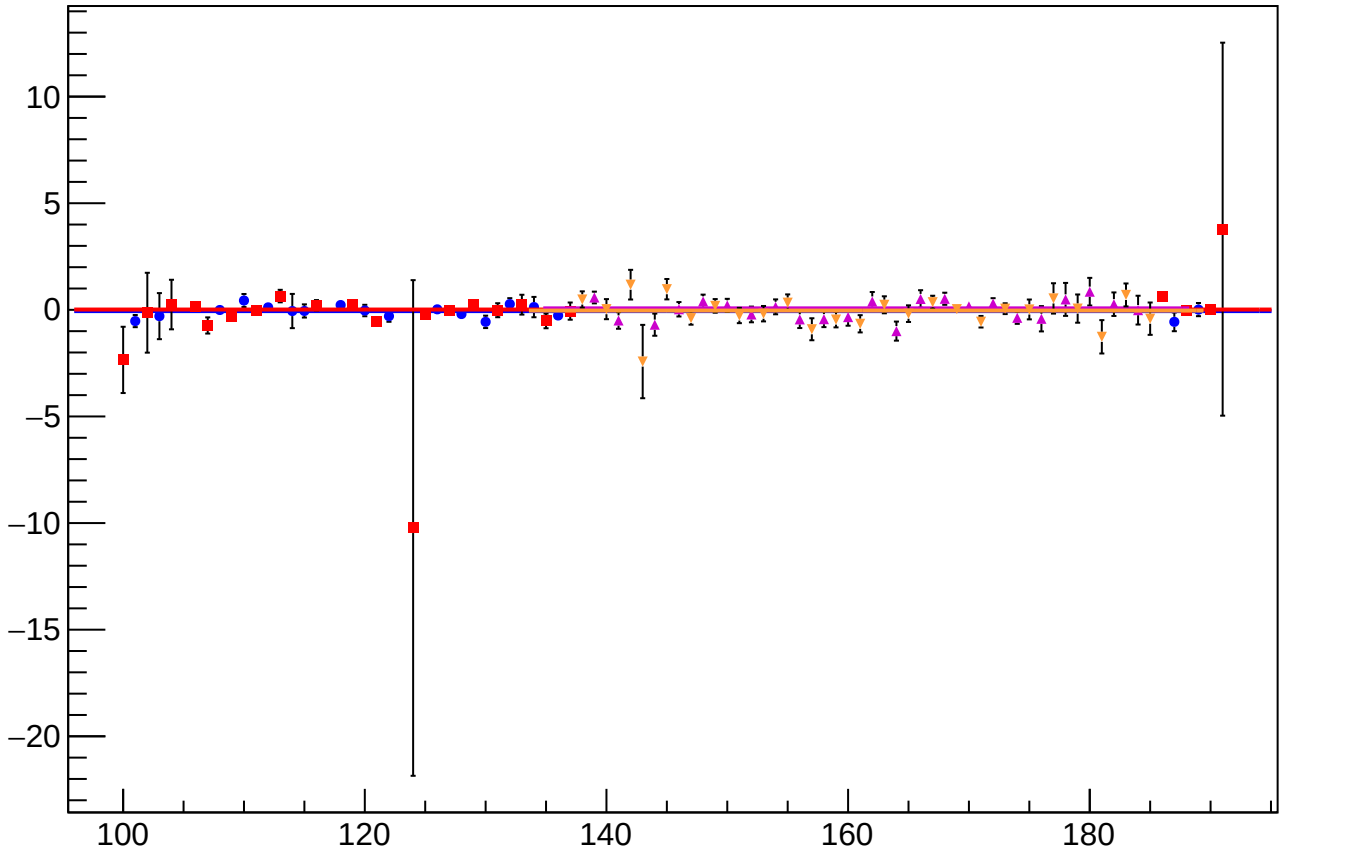
Right Out: 136.357+/-0.037 χ^2/NDF: 2982602.4/22

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

+ sign 227.925+/-0.035 χ^2/NDF: 9768068.4/42

All: 206.236+/-0.023 χ^2/NDF: 22879966.2/88

- sign 190.082+/-0.030 χ^2/NDF: 12438347.5/45



Right In: -0.059+/-0.065 χ^2/NDF: 16.2/17

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

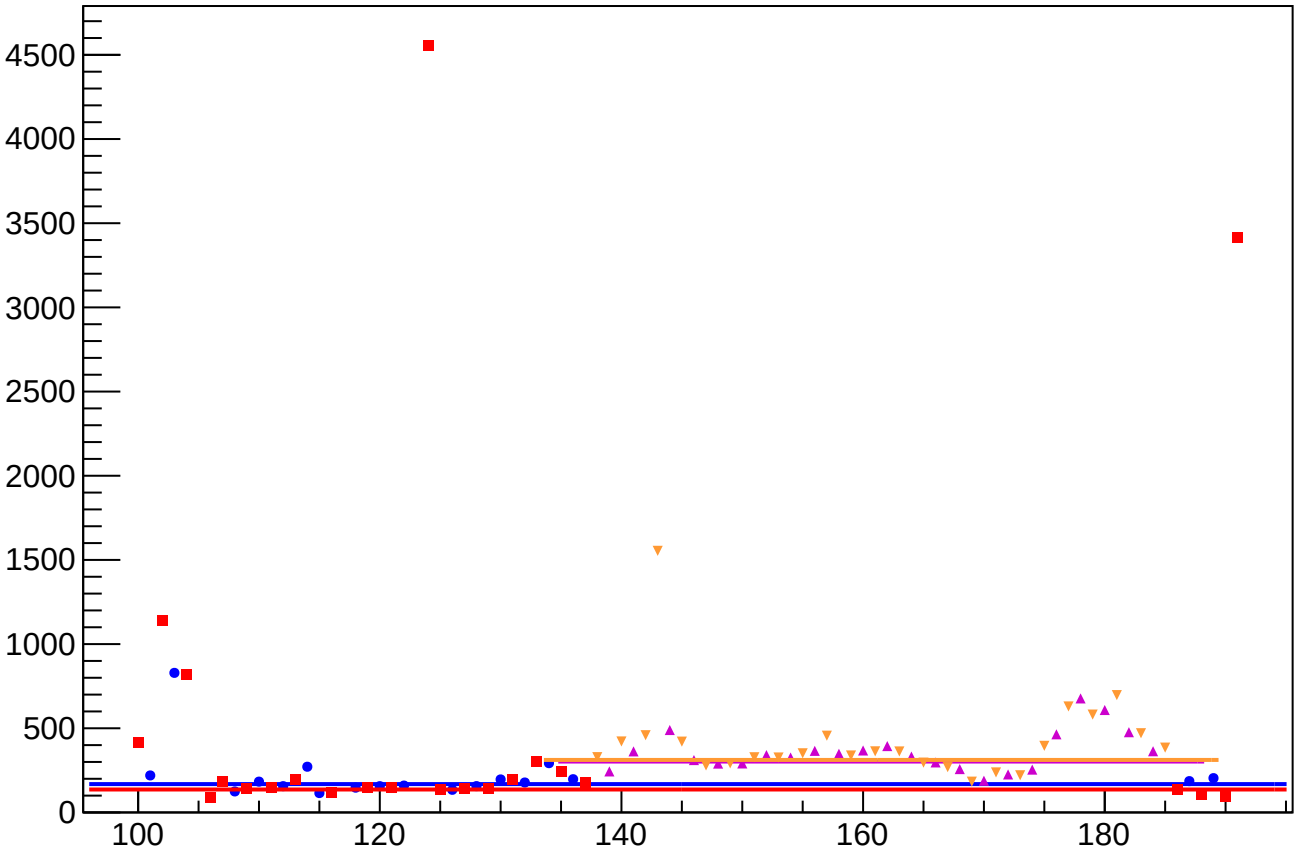
Right Out: 0.014+/-0.052 χ^2/NDF: 35.3/22

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.049+/-0.049 χ^2/NDF: 48.8/42

All: -0.003+/-0.032 χ^2/NDF: 116.0/88

- sign 0.032+/-0.043 χ^2/NDF: 65.6/45



Right In: 168.418+/-0.046 χ^2/NDF: 1314161.7/17

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

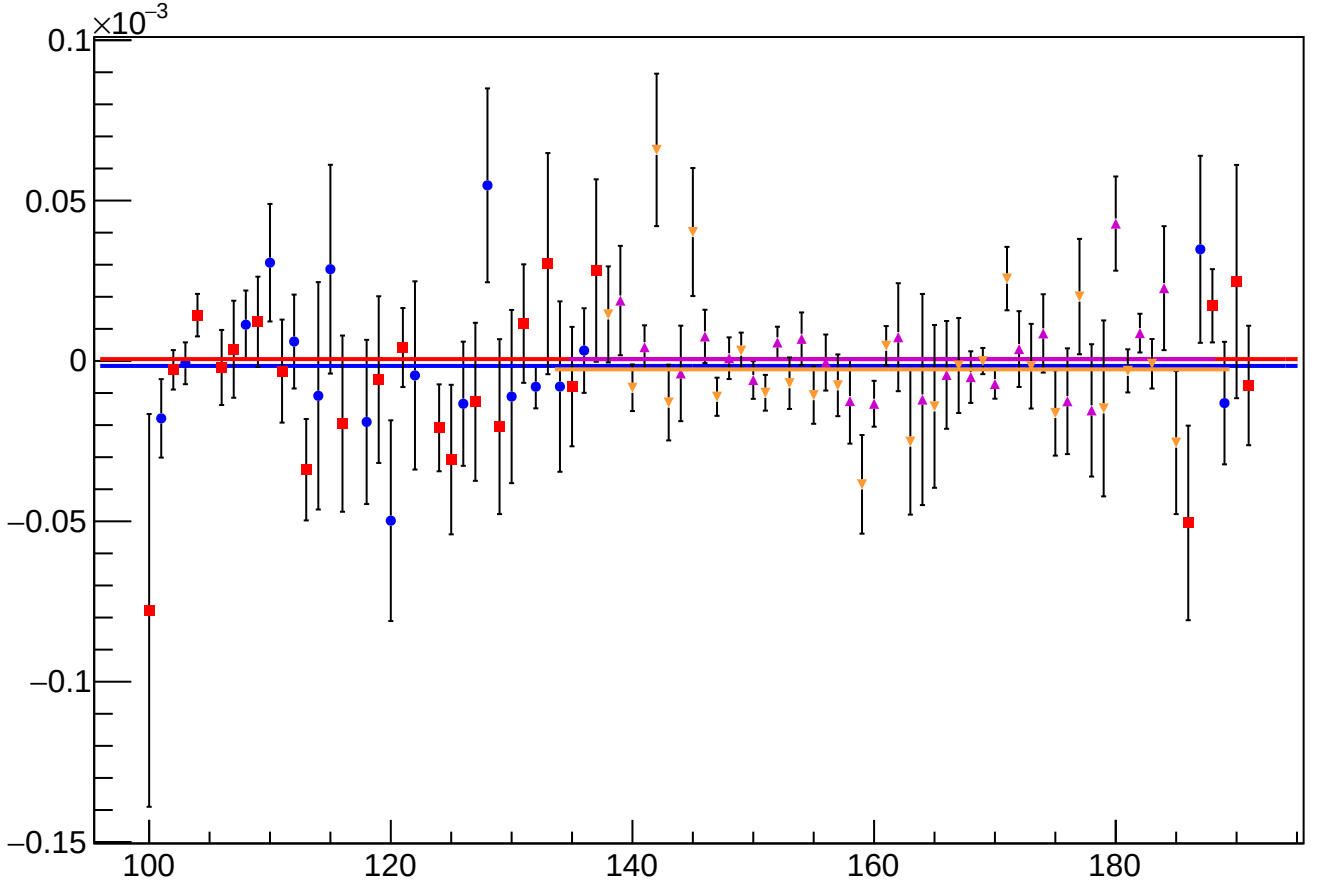
Right Out: 136.357+/-0.037 χ^2/NDF: 2982602.4/22

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

+ sign 227.925+/-0.035 χ^2/NDF: 9768068.4/42

All: 206.236+/-0.023 χ^2/NDF: 22879966.2/88

- sign 190.082+/-0.030 χ^2/NDF: 12438347.5/45



Right In: -0.000+/-0.000 χ^2/NDF: 17.4/17

Left Out: -0.000+/-0.000 χ^2/NDF:42.4/24

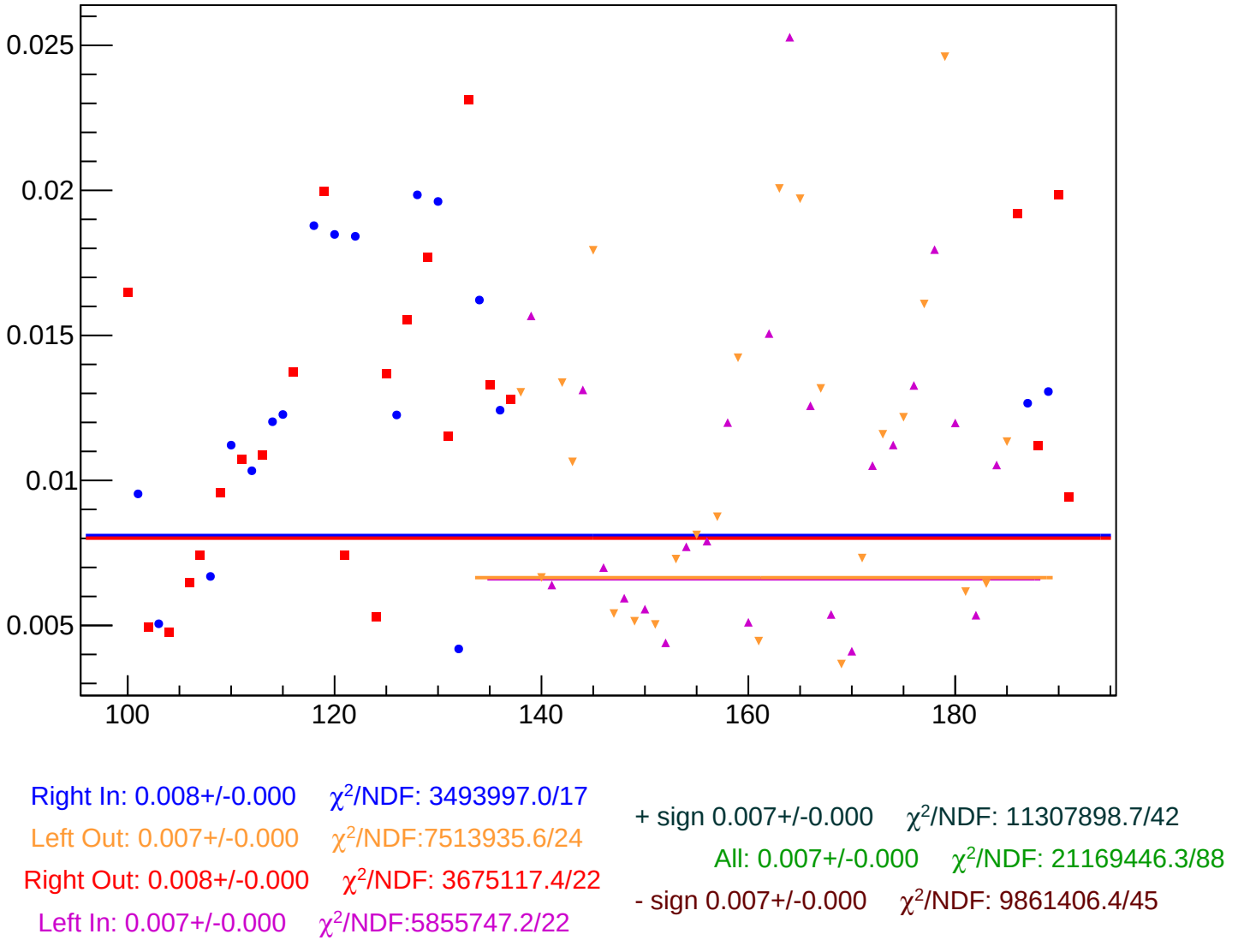
Right Out: 0.000+/-0.000 χ^2/NDF: 25.5/22

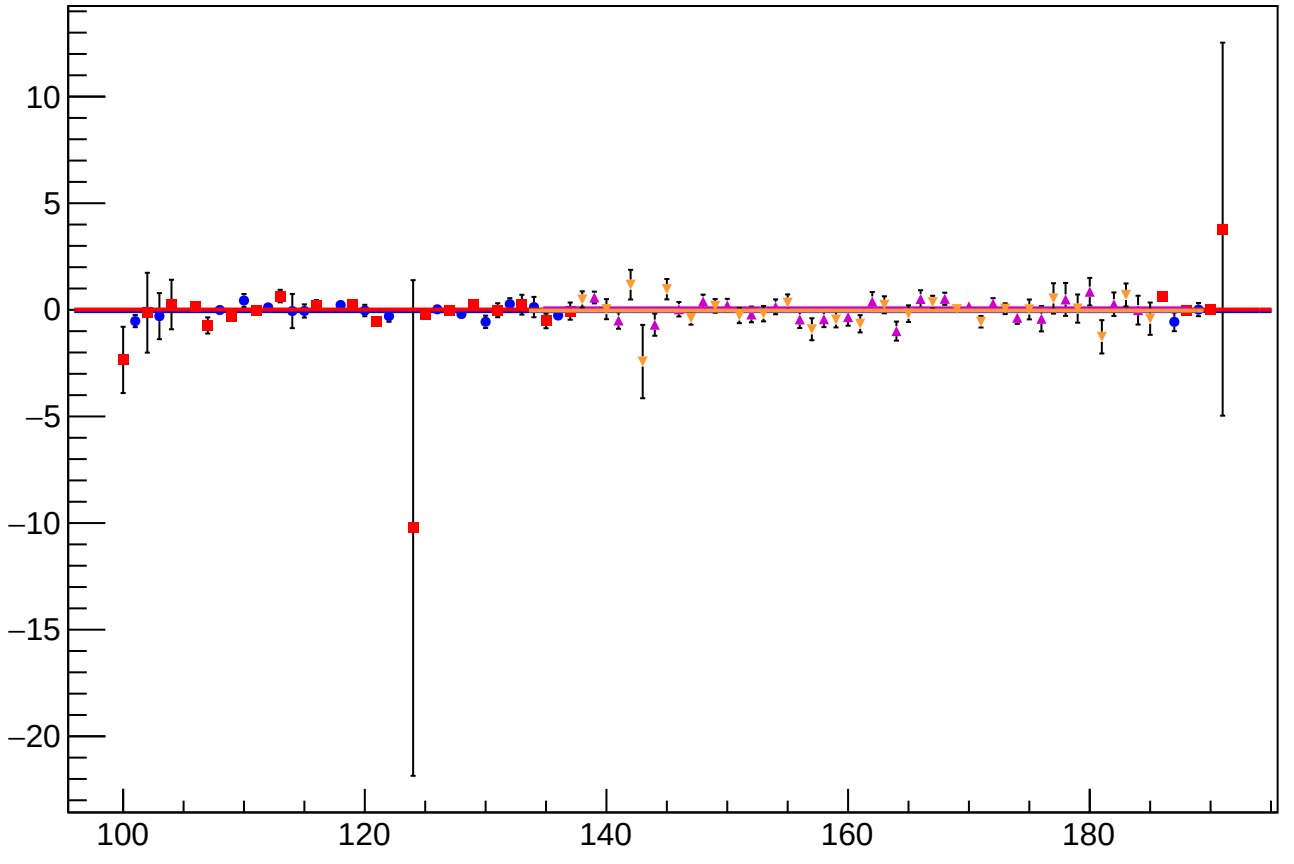
Left In: 0.000+/-0.000 χ^2/NDF:26.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.9/42

All: -0.000+/-0.000 χ^2/NDF: 114.2/88

- sign 0.000+/-0.000 χ^2/NDF: 52.4/45


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
120
140
160
180
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: 3675117.4/22
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: 21169446.3/88
- sign 0.007+/-0.000 χ²/NDF: 9861406.4/45



Right In: -0.059+/-0.065 χ^2/NDF: 16.2/17

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

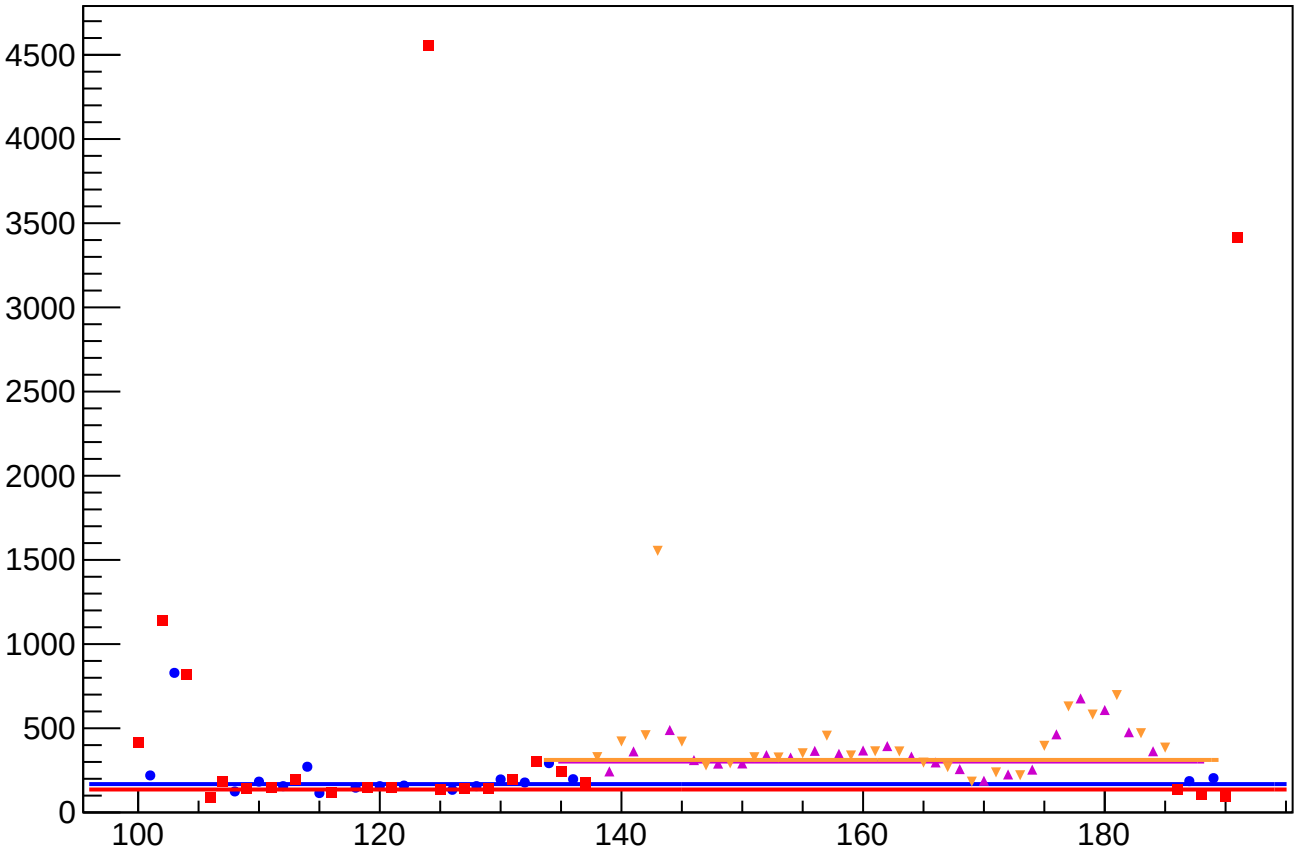
Right Out: 0.014+/-0.052 χ^2/NDF: 35.3/22

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.049+/-0.049 χ^2/NDF: 48.8/42

All: -0.003+/-0.032 χ^2/NDF: 116.0/88

- sign 0.032+/-0.043 χ^2/NDF: 65.6/45



Right In: 168.418+/-0.046 χ^2/NDF: 1314171.4/17

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

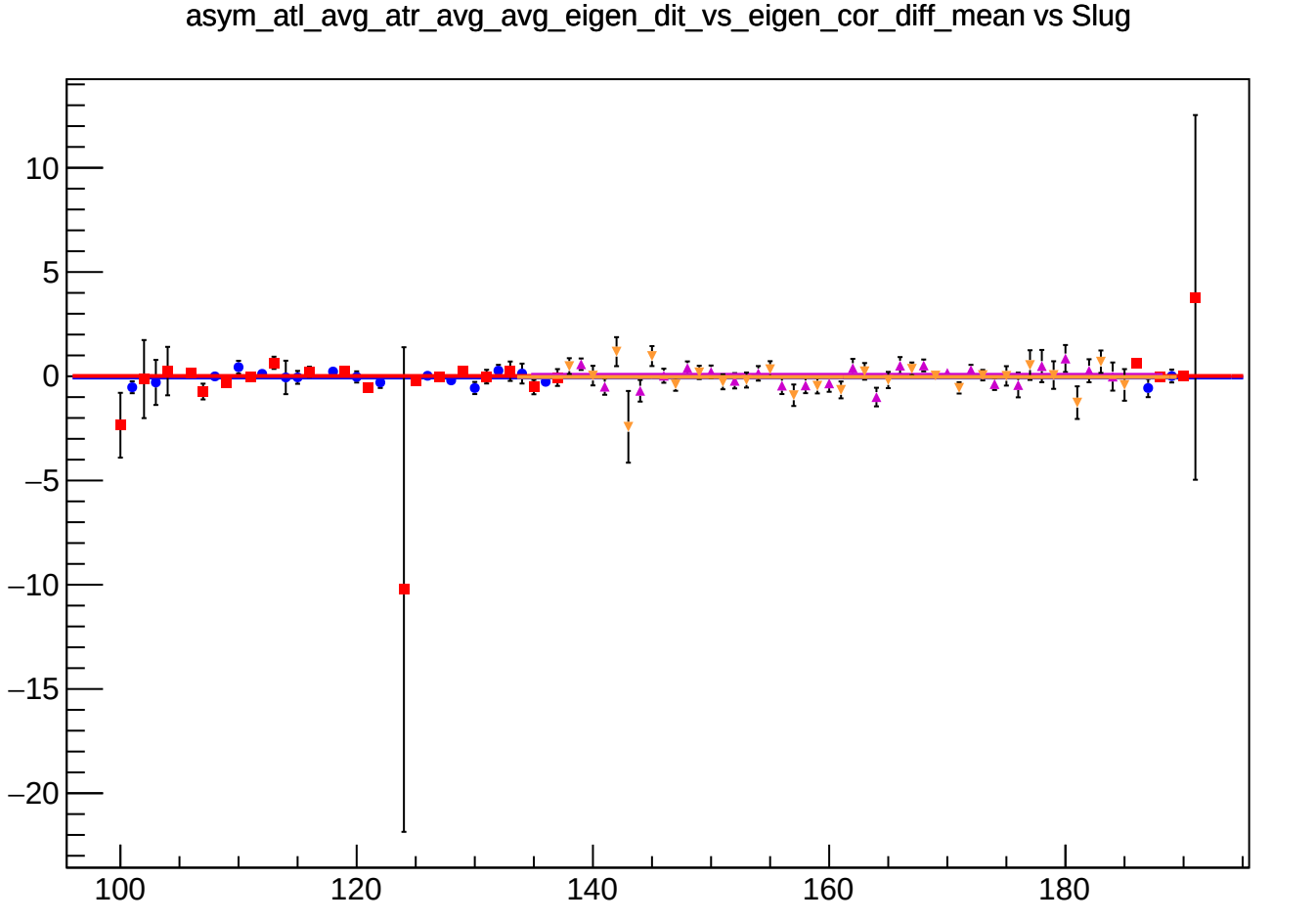
Right Out: 136.354+/-0.037 χ^2/NDF: 2982679.1/22

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

+ sign 227.925+/-0.035 χ^2/NDF: 9768311.0/42

All: 206.234+/-0.023 χ^2/NDF: 22880964.4/88

- sign 190.078+/-0.030 χ^2/NDF: 12438978.5/45



Right In: -0.059+/-0.065 χ^2/NDF: 16.2/17

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

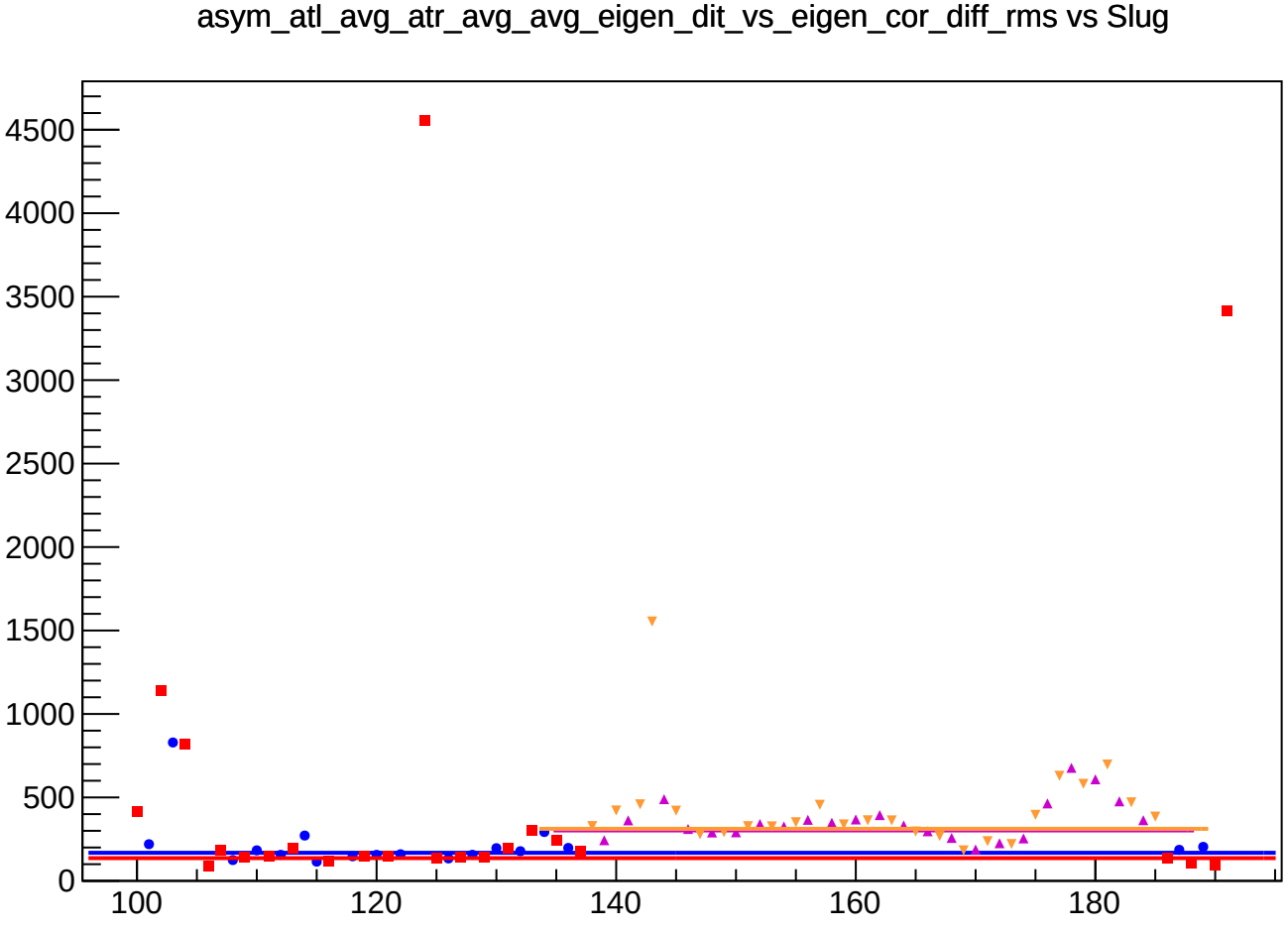
Right Out: 0.014+/-0.052 χ^2/NDF: 35.3/22

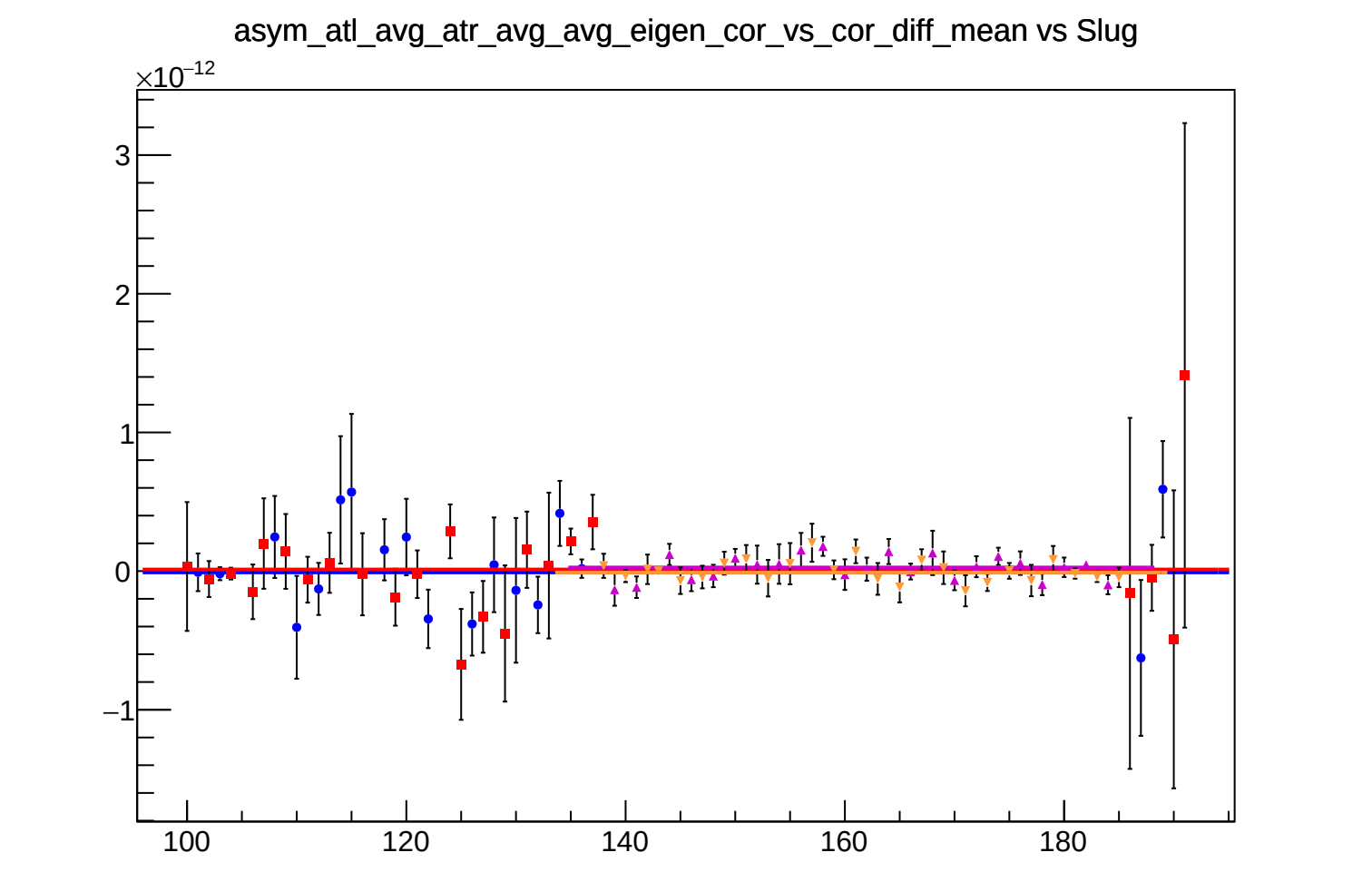
Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.049+/-0.049 χ^2/NDF: 48.8/42

All: -0.003+/-0.032 χ^2/NDF: 116.0/88

- sign 0.032+/-0.043 χ^2/NDF: 65.6/45


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
120
140
160
180
Right In: 168.418+/-0.046 χ²/NDF: 1314171.4/17
Left Out: 311.961+/-0.054 χ²/NDF:4350376.6/24
Right Out: 136.354+/-0.037 χ²/NDF: 2982679.1/22
Left In: 302.377+/-0.053 χ²/NDF:2808874.8/22
+ sign 227.925+/-0.035 χ²/NDF: 9768311.0/42
All: 206.234+/-0.023 χ²/NDF: 22880964.4/88
- sign 190.078+/-0.030 χ²/NDF: 12438978.5/45



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/17

Left Out: -0.000+/-0.000 χ^2/NDF:16.2/24

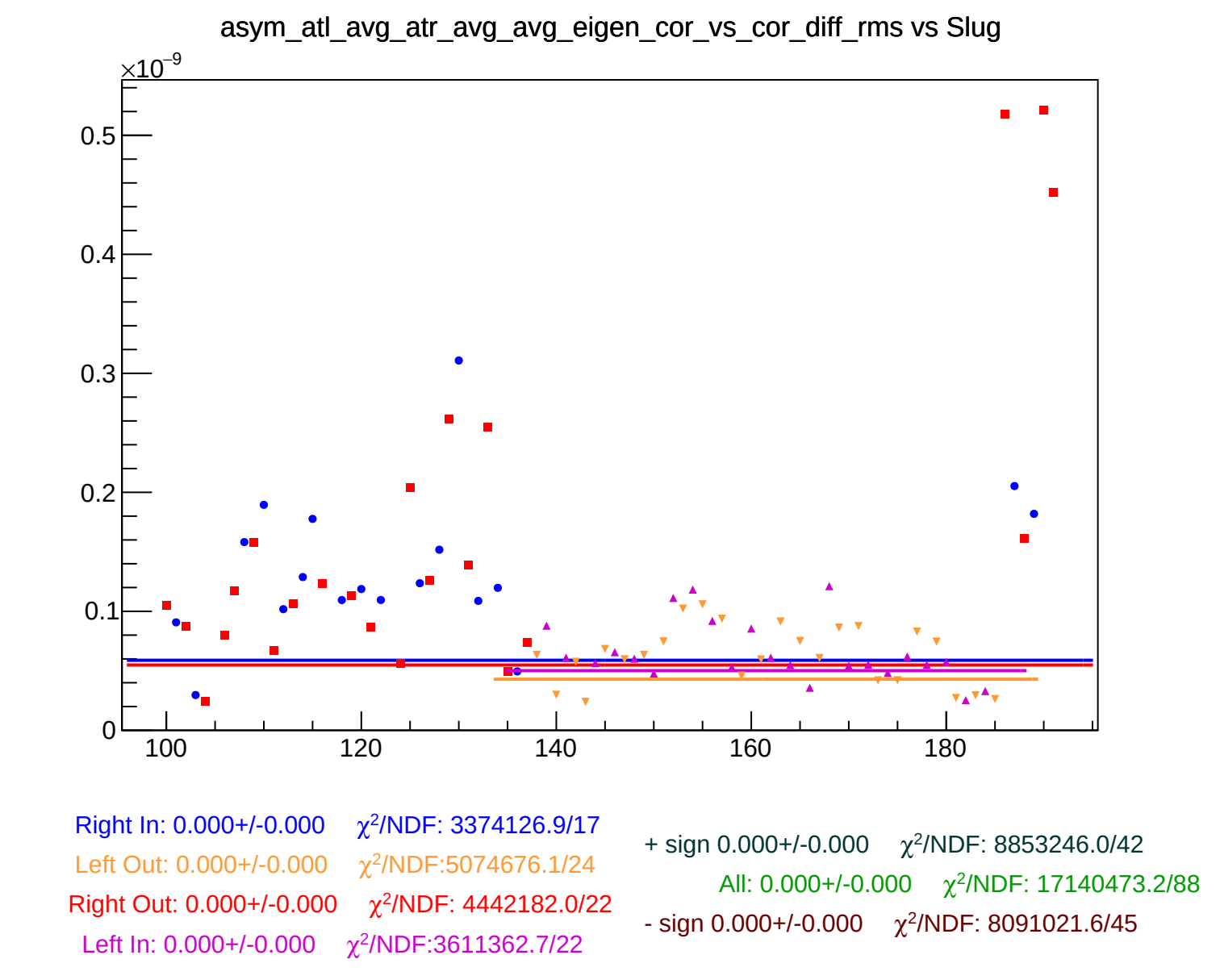
Right Out: 0.000+/-0.000 χ^2/NDF: 19.8/22

Left In: 0.000+/-0.000 χ^2/NDF:27.6/22

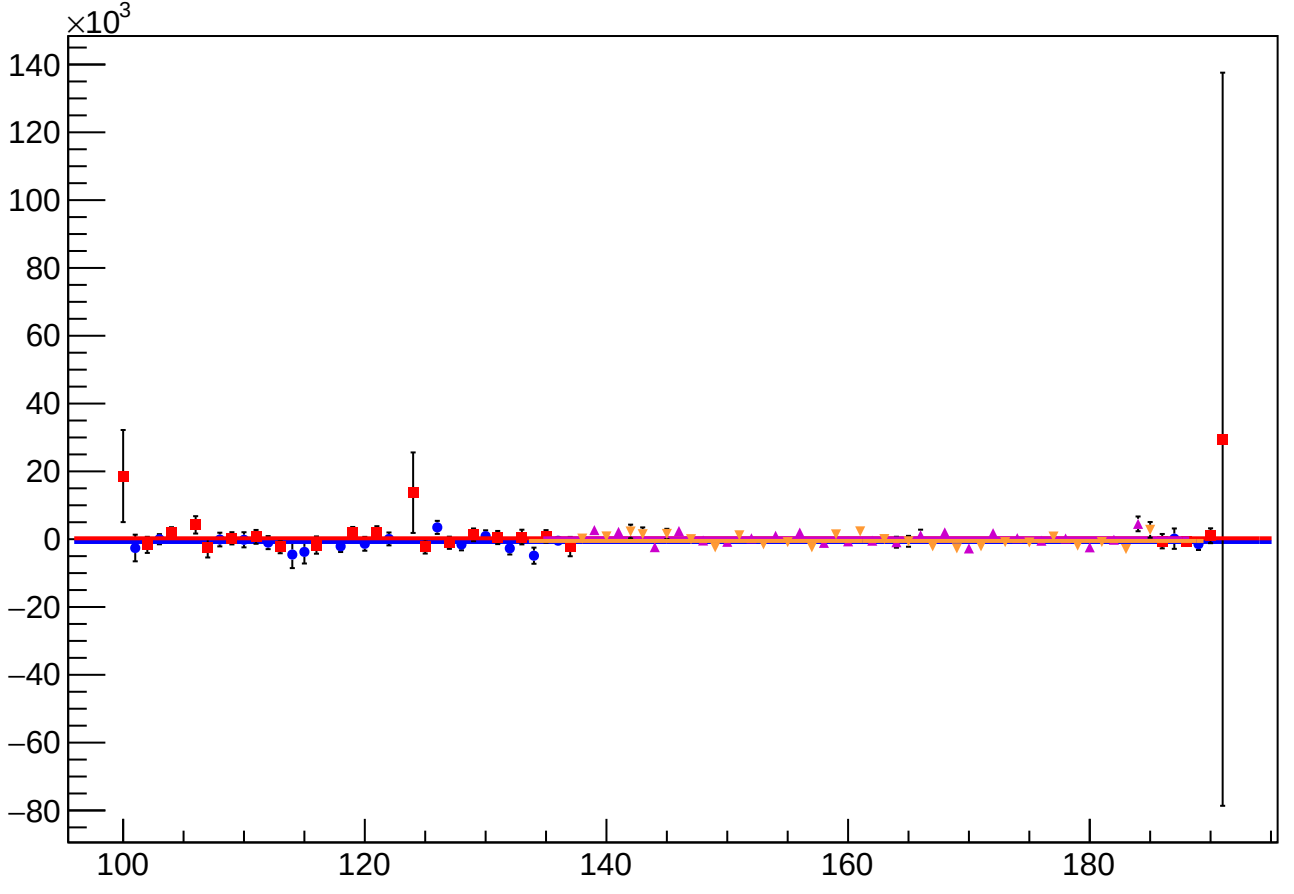
+ sign -0.000+/-0.000 χ^2/NDF: 36.5/42

All: 0.000+/-0.000 χ^2/NDF: 87.3/88

- sign 0.000+/-0.000 χ^2/NDF: 47.5/45


asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 3374126.9/17
Left Out: 0.000+/-0.000 χ²/NDF:5074676.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 4442182.0/22
Left In: 0.000+/-0.000 χ²/NDF:3611362.7/22
+ sign 0.000+/-0.000 χ²/NDF: 8853246.0/42
All: 0.000+/-0.000 χ²/NDF: 17140473.2/88
- sign 0.000+/-0.000 χ²/NDF: 8091021.6/45

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



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: 260.292+/-438.704 χ^2/NDF: 16.4/22

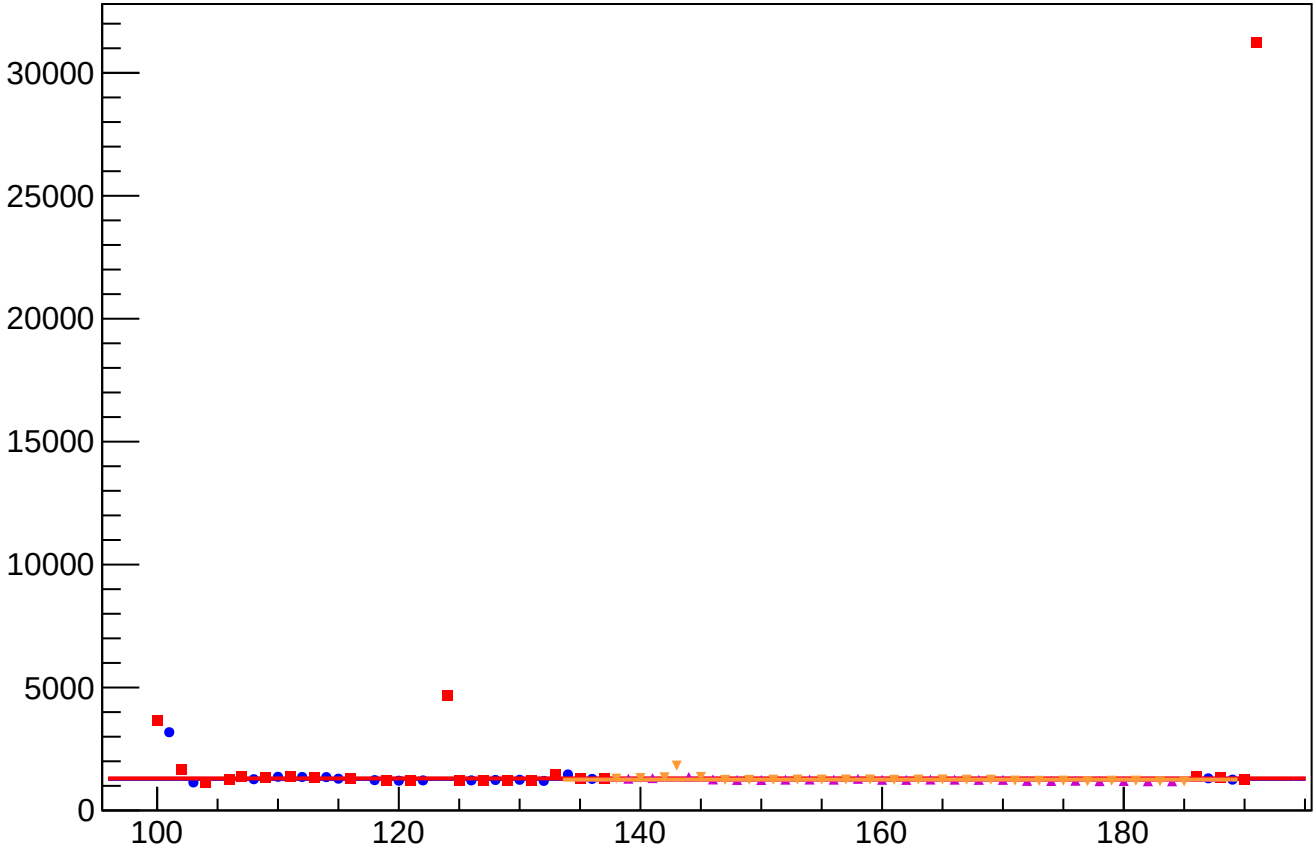
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

+ sign -599.560+/-243.340 χ^2/NDF: 44.9/42

All: -174.450+/-171.804 χ^2/NDF: 99.4/88

- sign 248.069+/-242.597 χ^2/NDF: 48.4/45

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

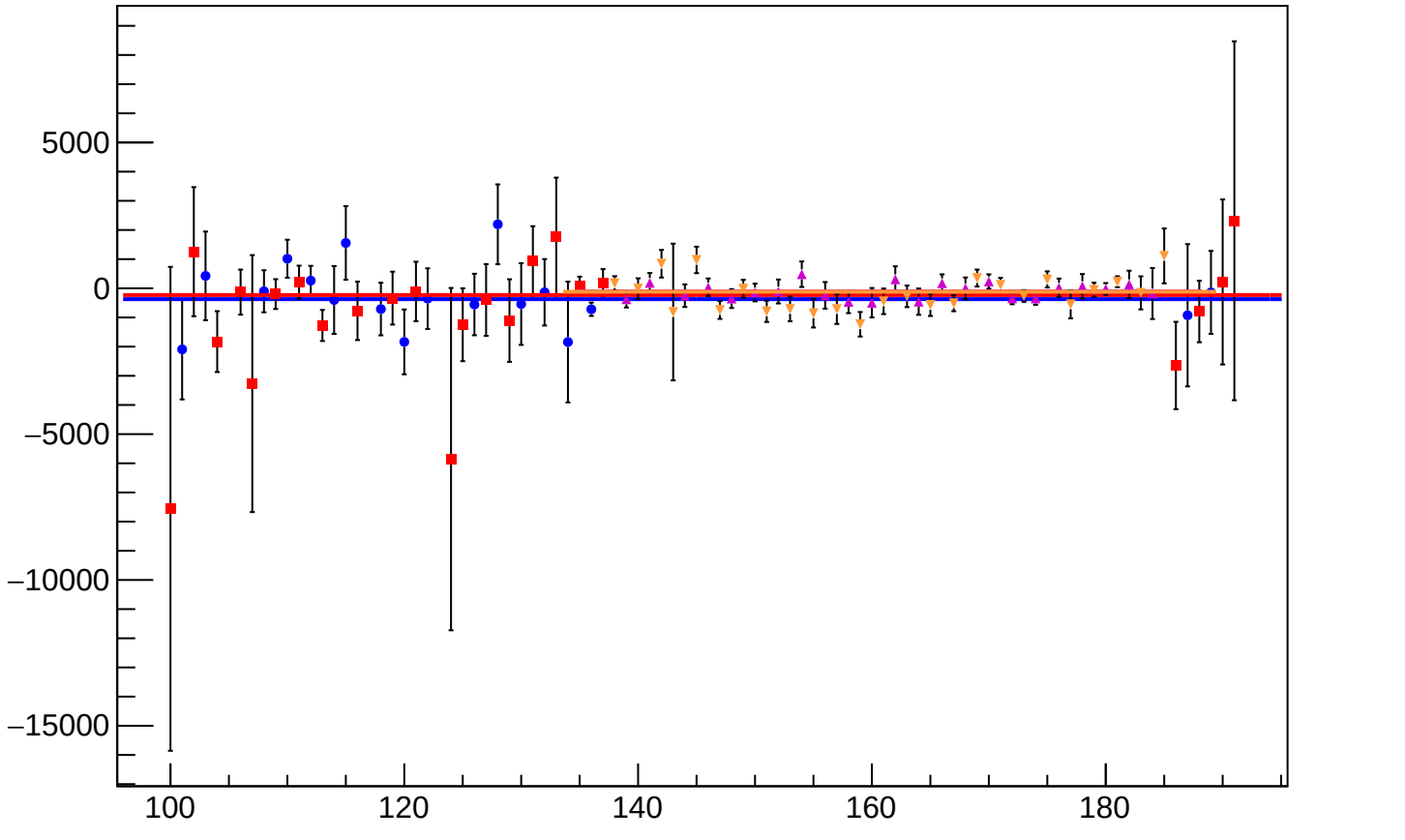
Right Out: 1303.079+/-0.310 χ^2/NDF: 488294.7/22

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1263.408+/-0.172 χ^2/NDF: 727599.9/42

All: 1263.555+/-0.121 χ^2/NDF: 1278965.7/88

- sign 1263.701+/-0.172 χ^2/NDF: 551364.4/45



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: -230.949+/-166.042 χ^2/NDF: 17.8/22

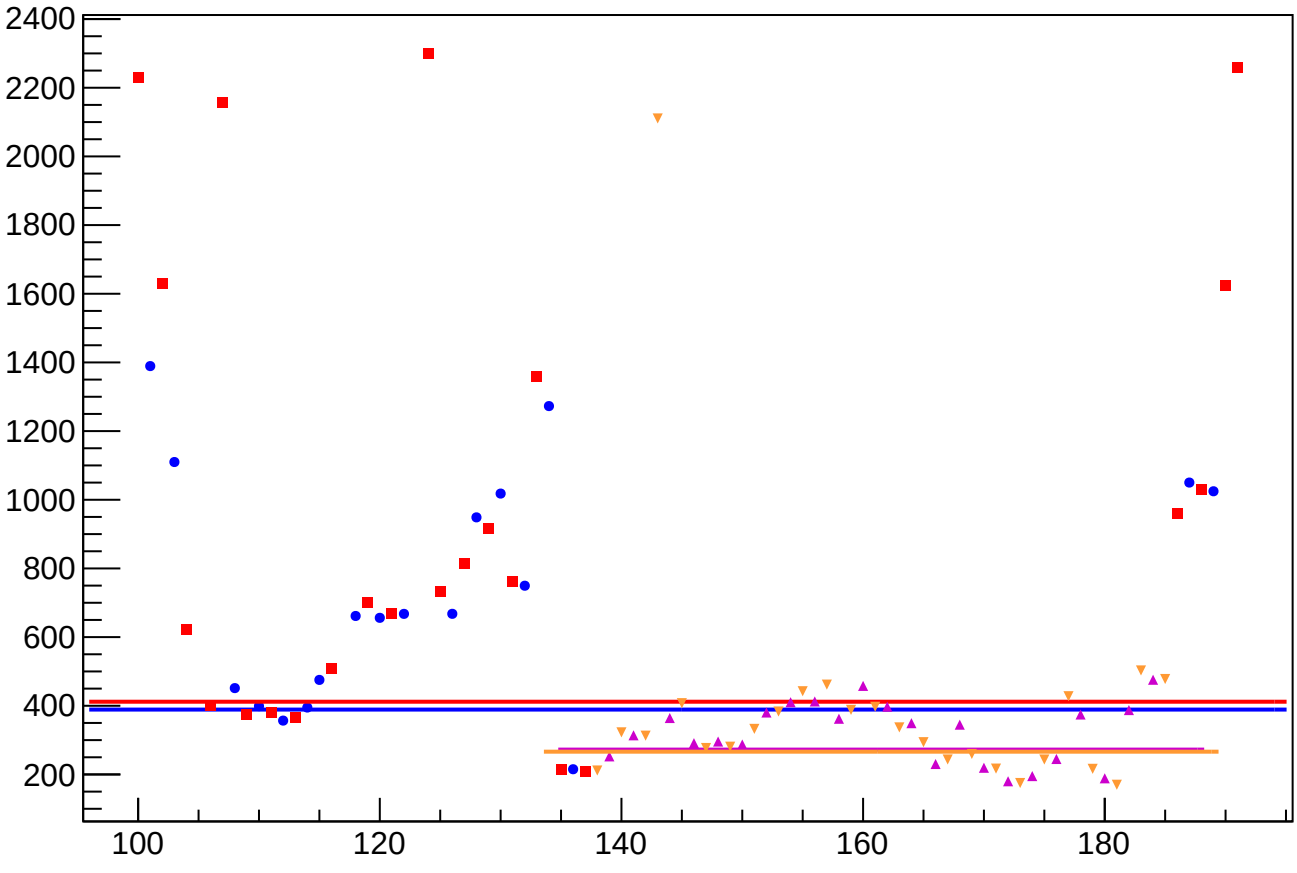
Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

\+ sign -150.709+/-60.604 χ^2/NDF: 68.7/42

All: -138.004+/-43.384 χ^2/NDF: 100.8/88

\- sign -124.650+/-62.133 χ^2/NDF: 32.0/45

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: 411.830+/-0.117 χ^2/NDF: 5613525.2/22

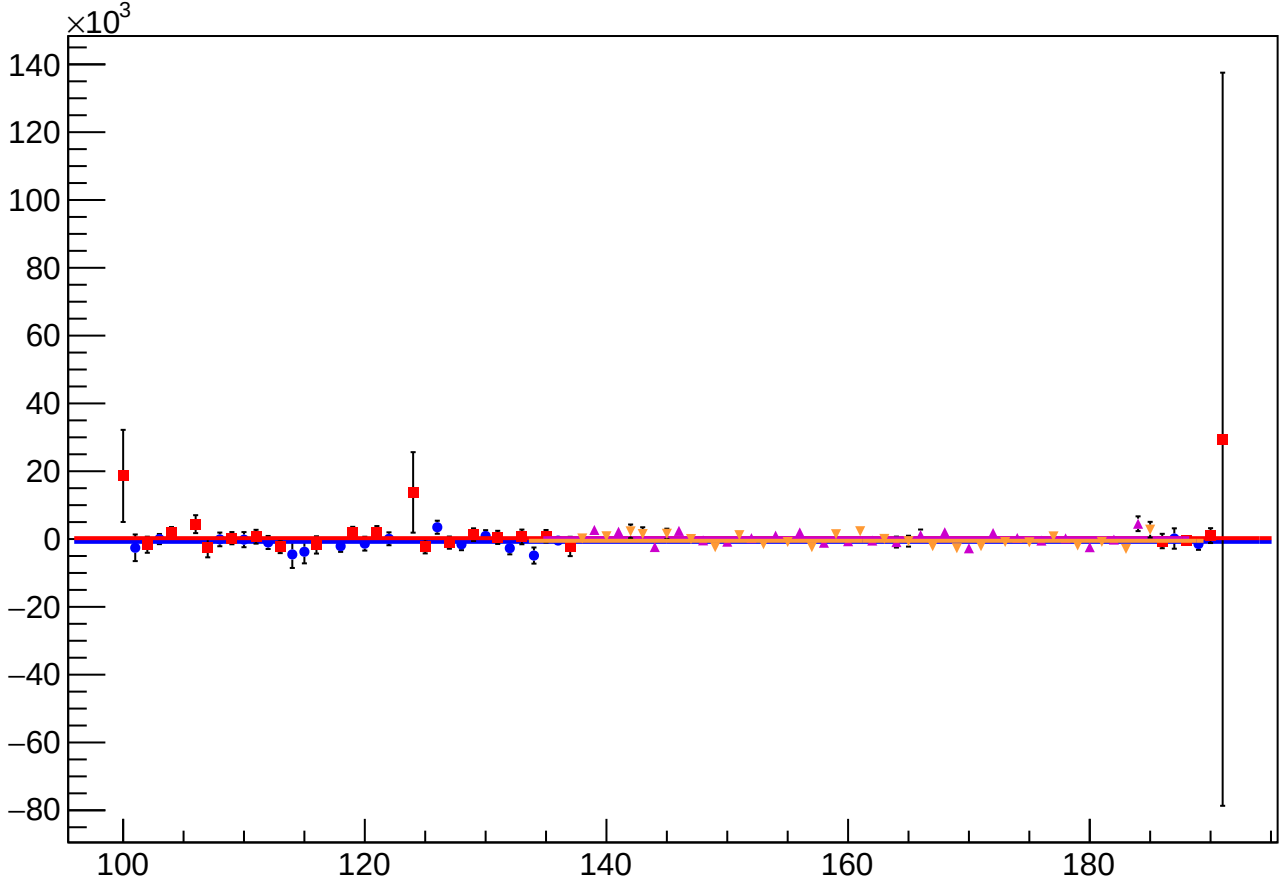
Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

+ sign 282.537+/-0.043 χ^2/NDF: 10317111.4/42

All: 287.100+/-0.031 χ^2/NDF: 20055085.0/88

- sign 291.896+/-0.044 χ^2/NDF: 9714718.9/45

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: 258.002+/-439.089 χ^2/NDF: 16.4/22

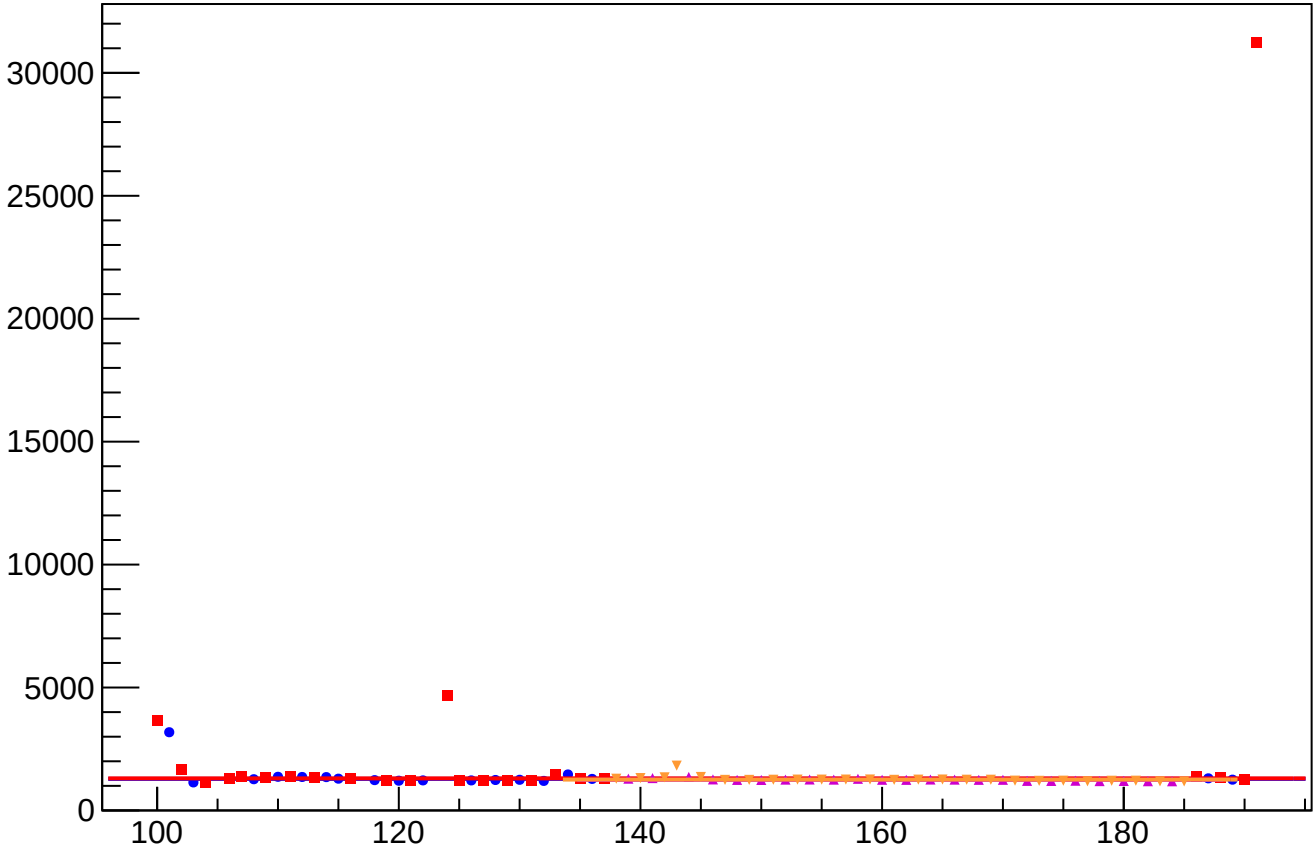
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -599.419+/-243.340 χ^2/NDF: 44.9/42

All: -174.855+/-171.827 χ^2/NDF: 99.4/88

- sign 247.348+/-242.662 χ^2/NDF: 48.5/45

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

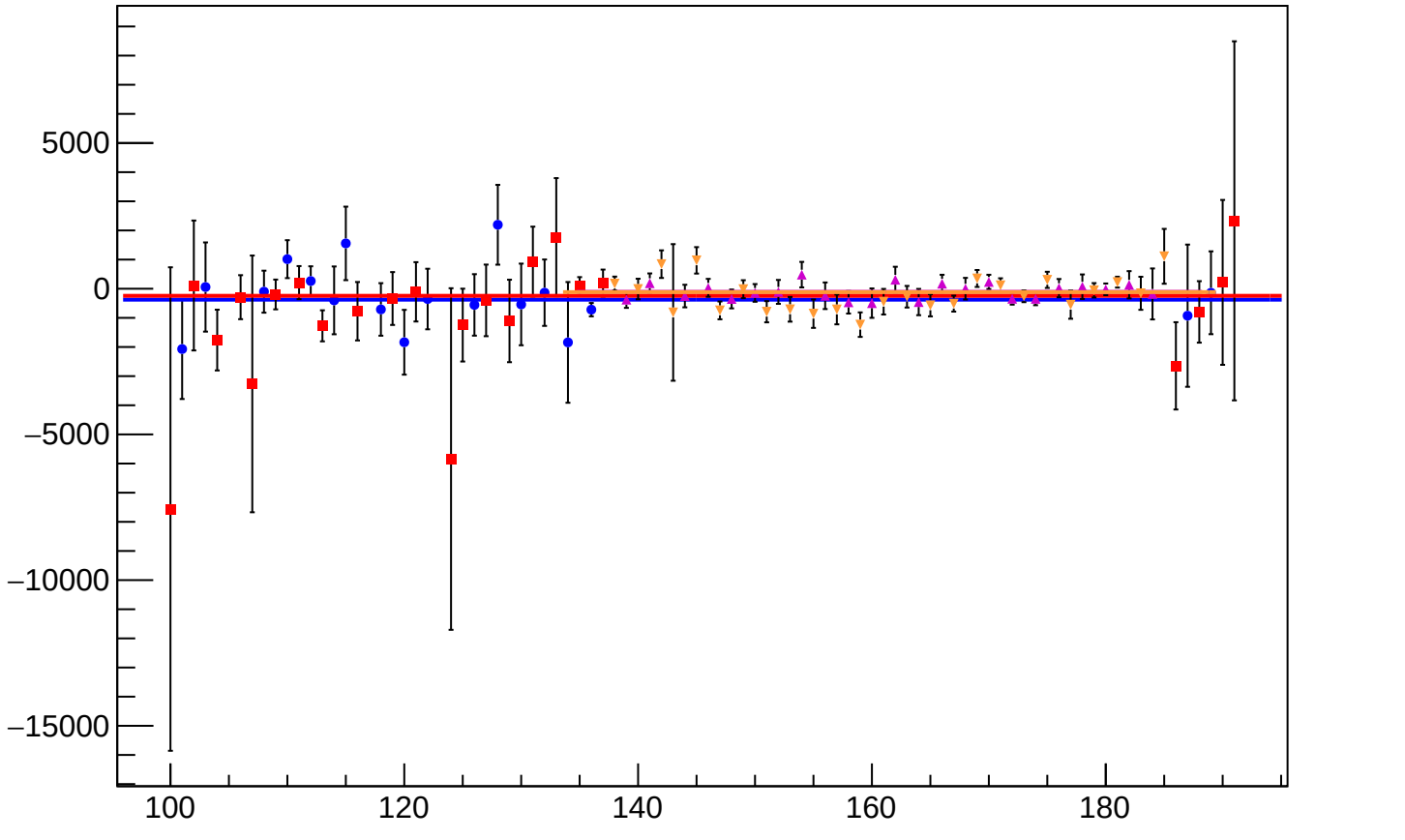
Right Out: 1304.275+/-0.310 χ^2/NDF: 487793.5/22

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1263.408+/-0.172 χ^2/NDF: 727601.2/42

All: 1263.727+/-0.122 χ^2/NDF: 1279430.3/88

- sign 1264.045+/-0.172 χ^2/NDF: 551822.2/45



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: -243.513+/-165.856 χ^2/NDF: 17.2/22

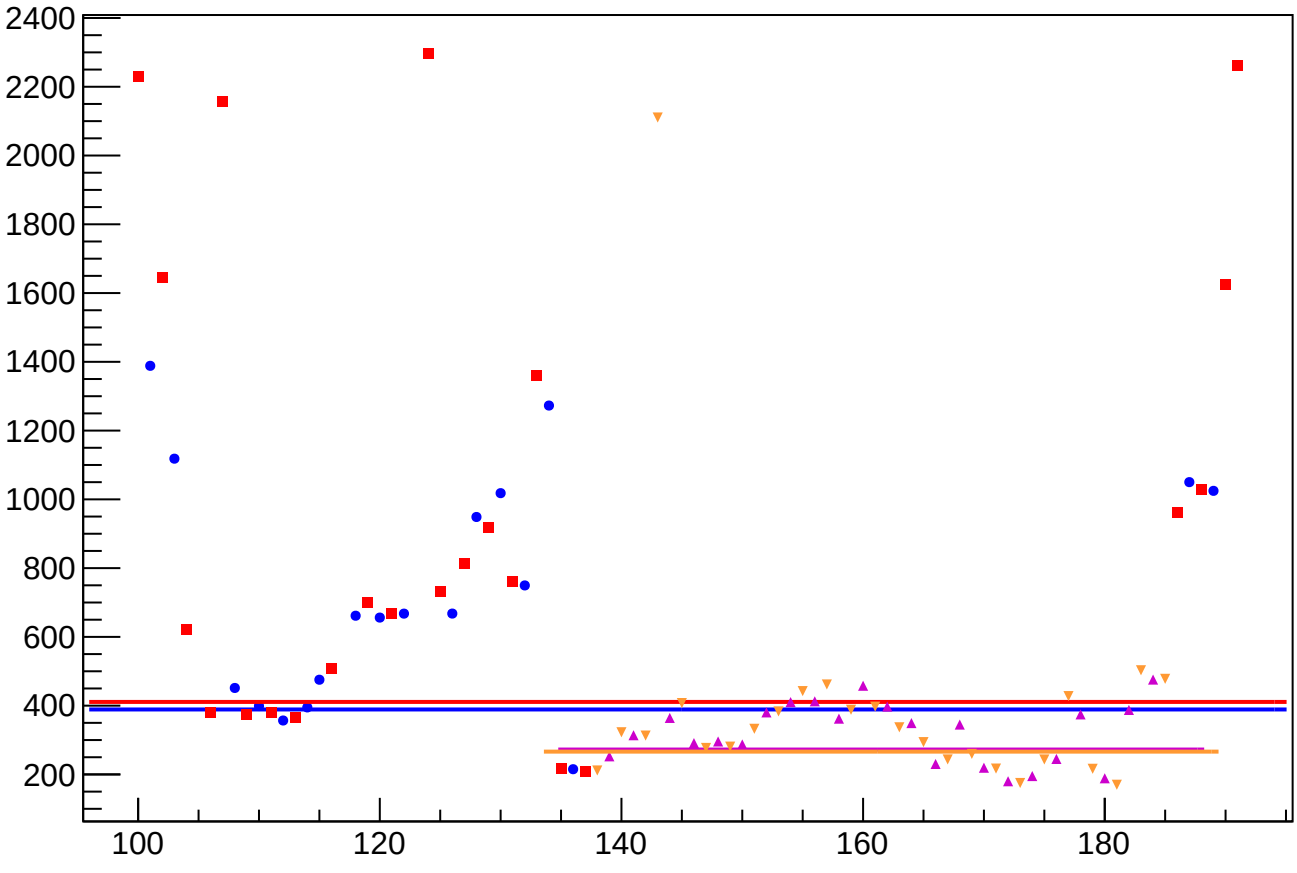
Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -151.258+/-60.606 χ^2/NDF: 68.6/42

All: -139.208+/-43.382 χ^2/NDF: 100.1/88

- sign -126.548+/-62.125 χ^2/NDF: 31.5/45

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug



Right In: 388.931+/-0.118 χ^2/NDF: 4750587.4/17

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

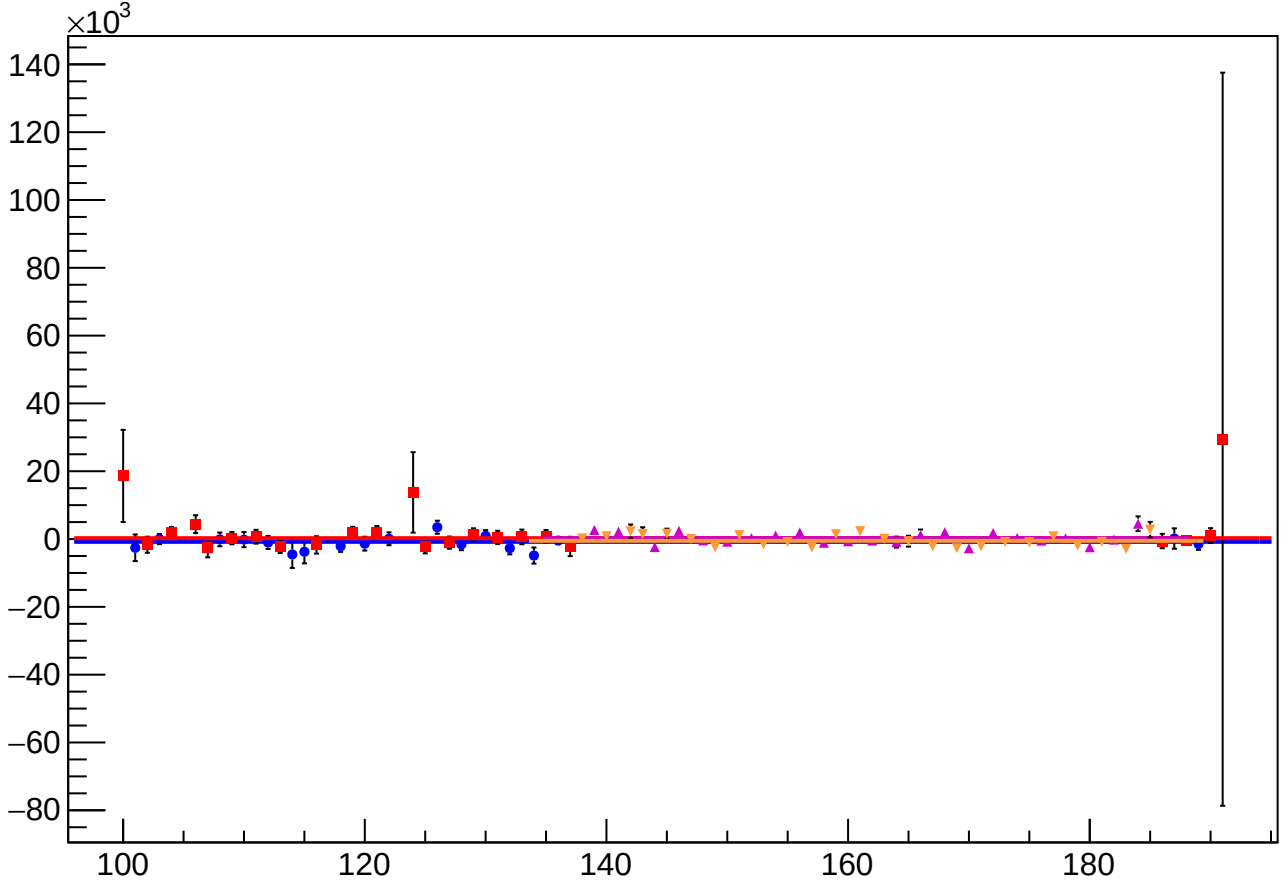
Right Out: 410.866+/-0.117 χ^2/NDF: 5623032.0/22

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 282.539+/-0.043 χ^2/NDF: 10319934.1/42

All: 287.059+/-0.031 χ^2/NDF: 20052145.3/88

- sign 291.808+/-0.044 χ^2/NDF: 9709398.6/45



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: 258.002+/-439.089 χ^2/NDF: 16.4/22

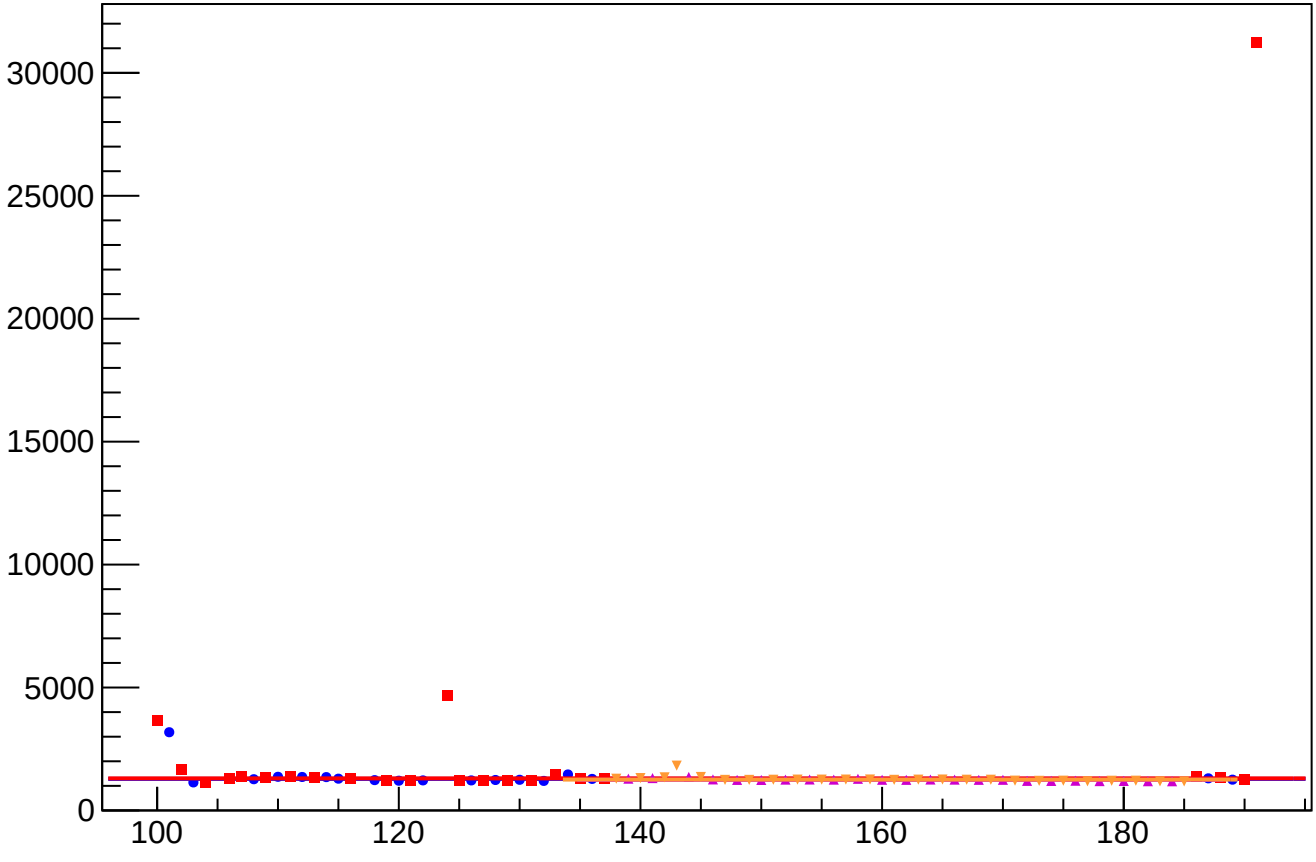
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -599.419+/-243.340 χ^2/NDF: 44.9/42

All: -174.855+/-171.827 χ^2/NDF: 99.4/88

- sign 247.348+/-242.662 χ^2/NDF: 48.5/45

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

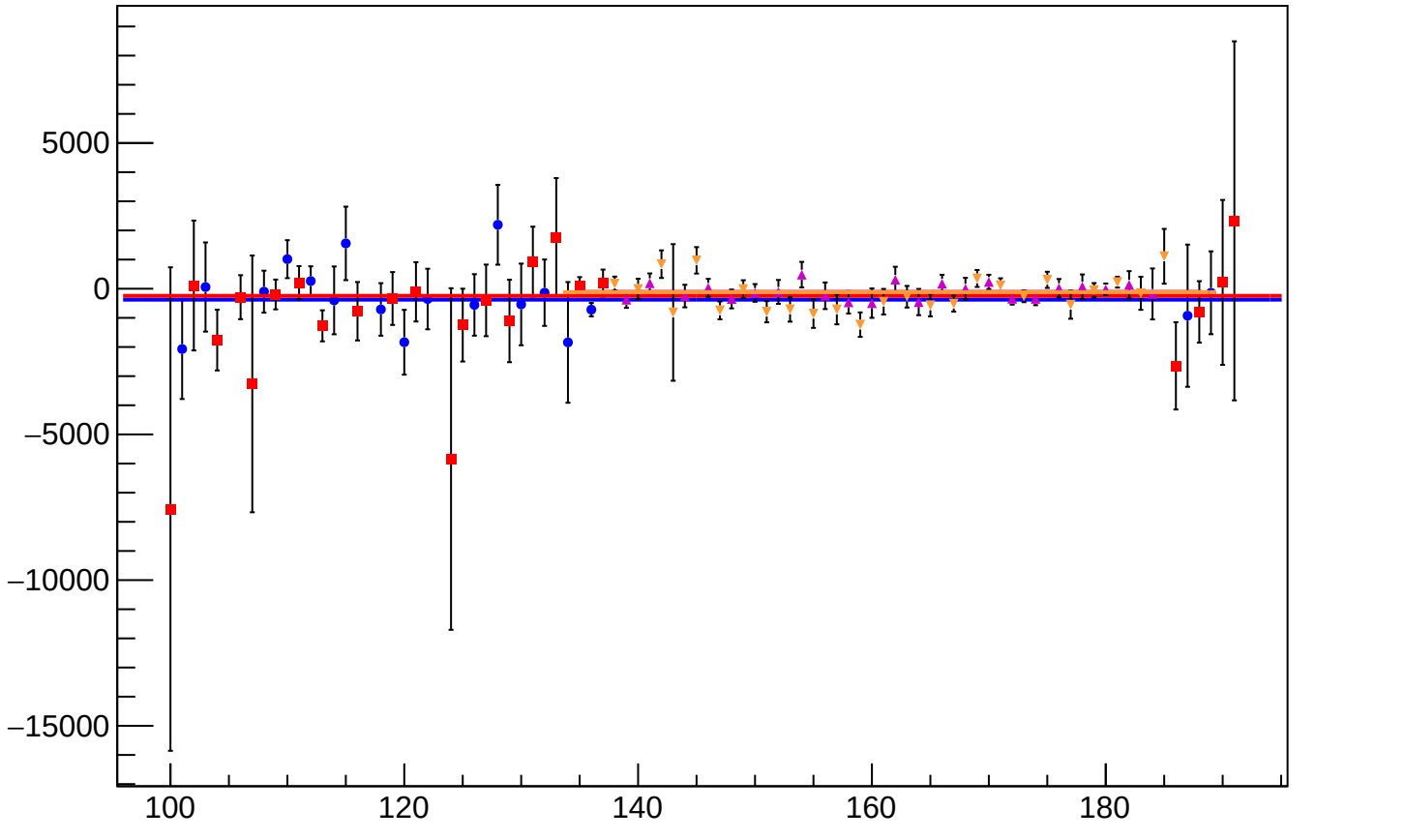
Right Out: 1304.275+/-0.310 χ^2/NDF: 487793.5/22

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1263.408+/-0.172 χ^2/NDF: 727601.2/42

All: 1263.727+/-0.122 χ^2/NDF: 1279430.3/88

- sign 1264.045+/-0.172 χ^2/NDF: 551822.2/45



Right In: -376.061+/-166.667 χ^2/NDF: 18.0/17

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

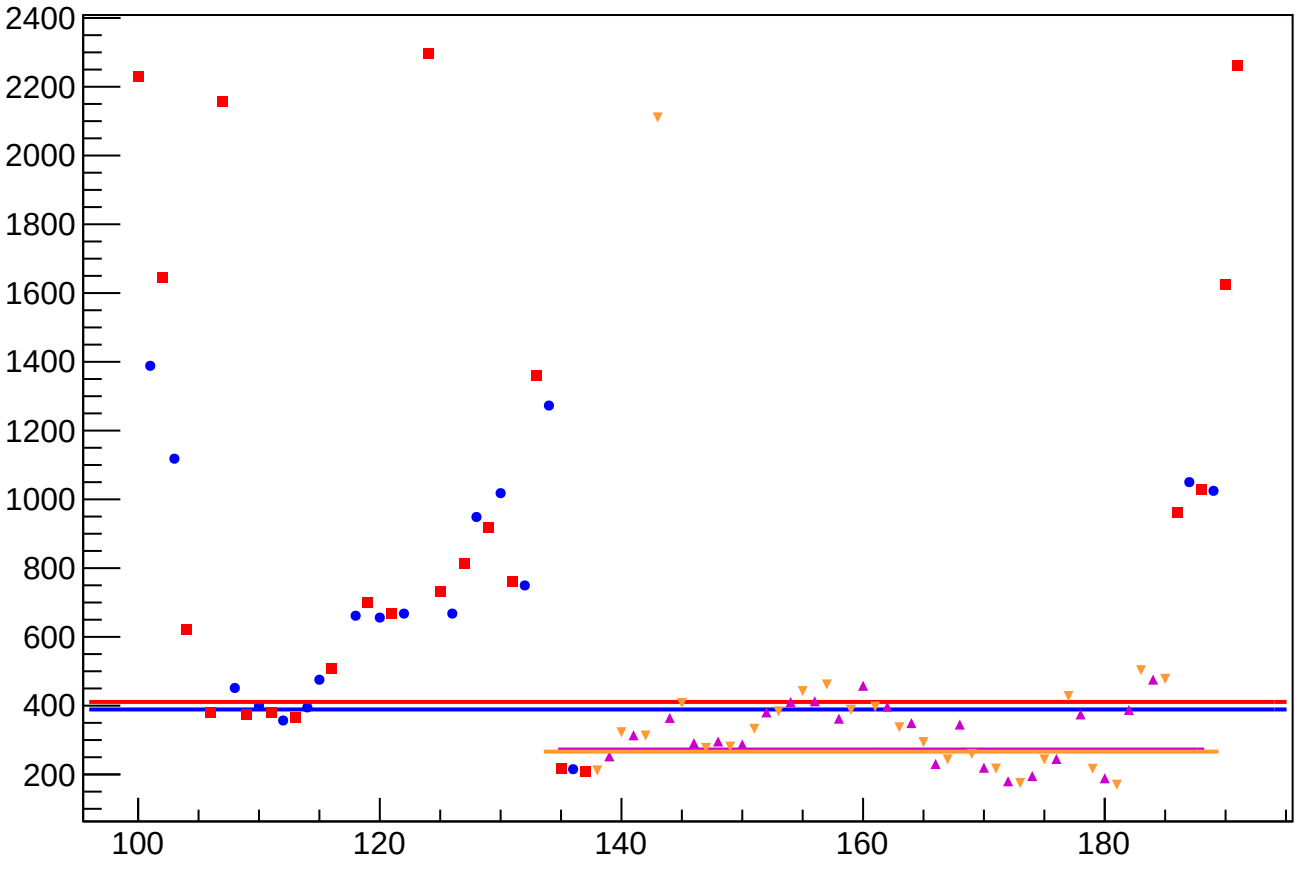
Right Out: -243.513+/-165.856 χ^2/NDF: 17.2/22

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -151.258+/-60.606 χ^2/NDF: 68.6/42

All: -139.208+/-43.382 χ^2/NDF: 100.1/88

- sign -126.548+/-62.125 χ^2/NDF: 31.5/45



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: 410.866+/-0.117 χ^2/NDF: 5623032.0/22

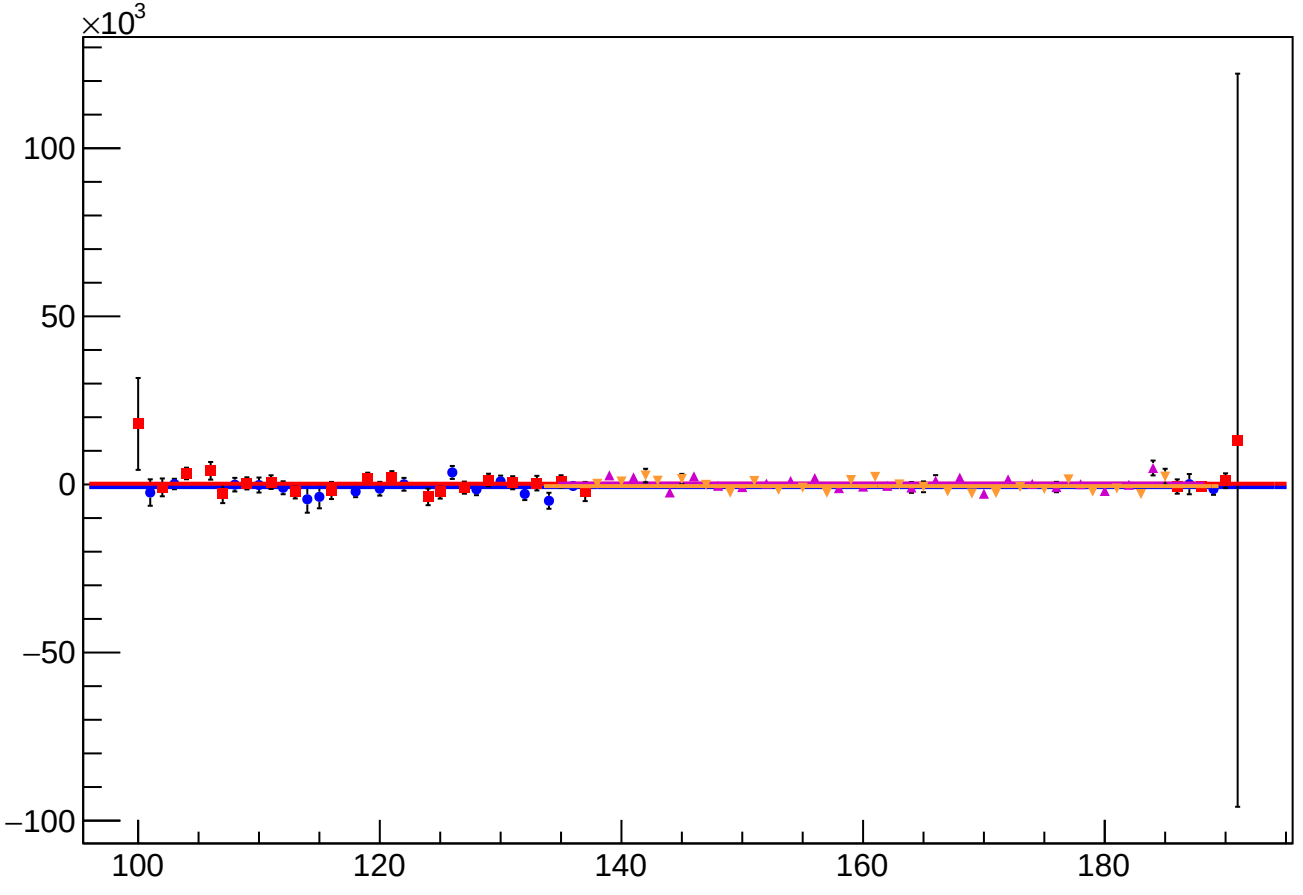
Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 282.539+/-0.043 χ^2/NDF: 10319934.1/42

All: 287.059+/-0.031 χ^2/NDF: 20052145.3/88

- sign 291.808+/-0.044 χ^2/NDF: 9709398.6/45

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: 217.861+/-436.444 χ^2/NDF: 18.6/22

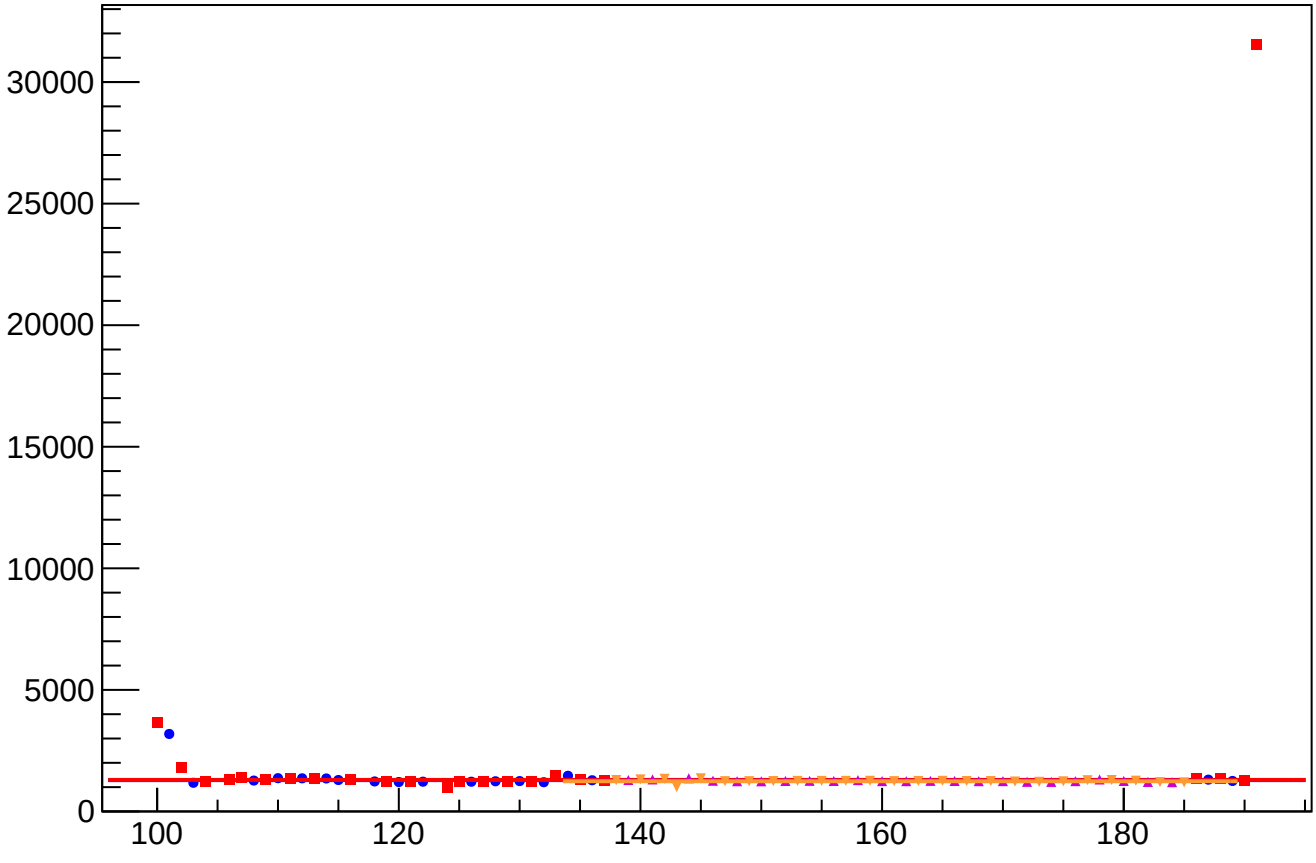
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -574.529+/-241.621 χ^2/NDF: 48.3/42

All: -174.049+/-171.697 χ^2/NDF: 103.2/88

- sign 234.456+/-244.030 χ^2/NDF: 49.3/45

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

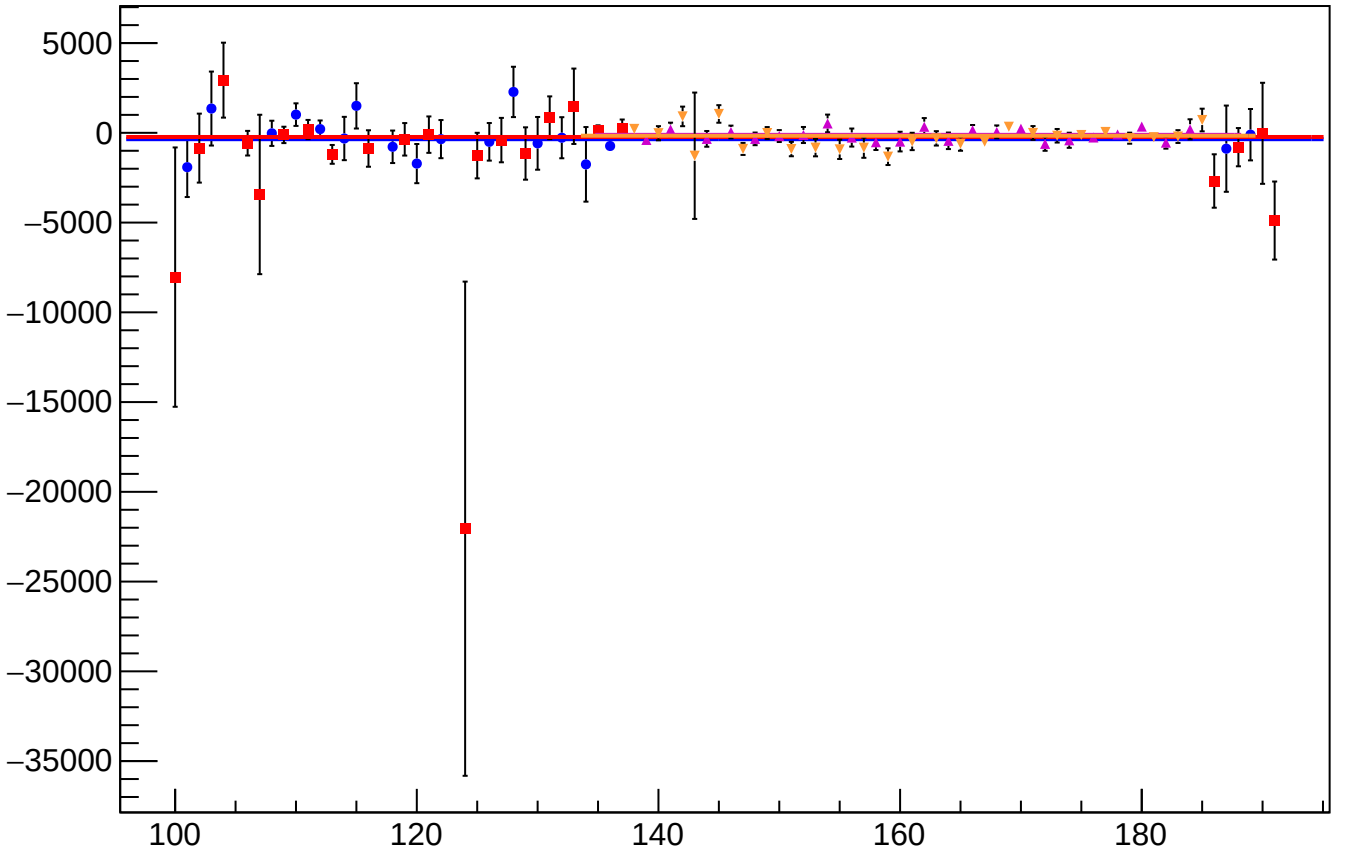
Right Out: 1296.757+/-0.309 χ^2/NDF: 371558.9/22

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

+ sign 1255.252+/-0.171 χ^2/NDF: 655377.8/42

All: 1263.323+/-0.121 χ^2/NDF: 1069078.1/88

- sign 1271.556+/-0.173 χ^2/NDF: 409192.4/45



Right In: -354.342+/-168.369 χ^2/NDF: 18.5/17

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

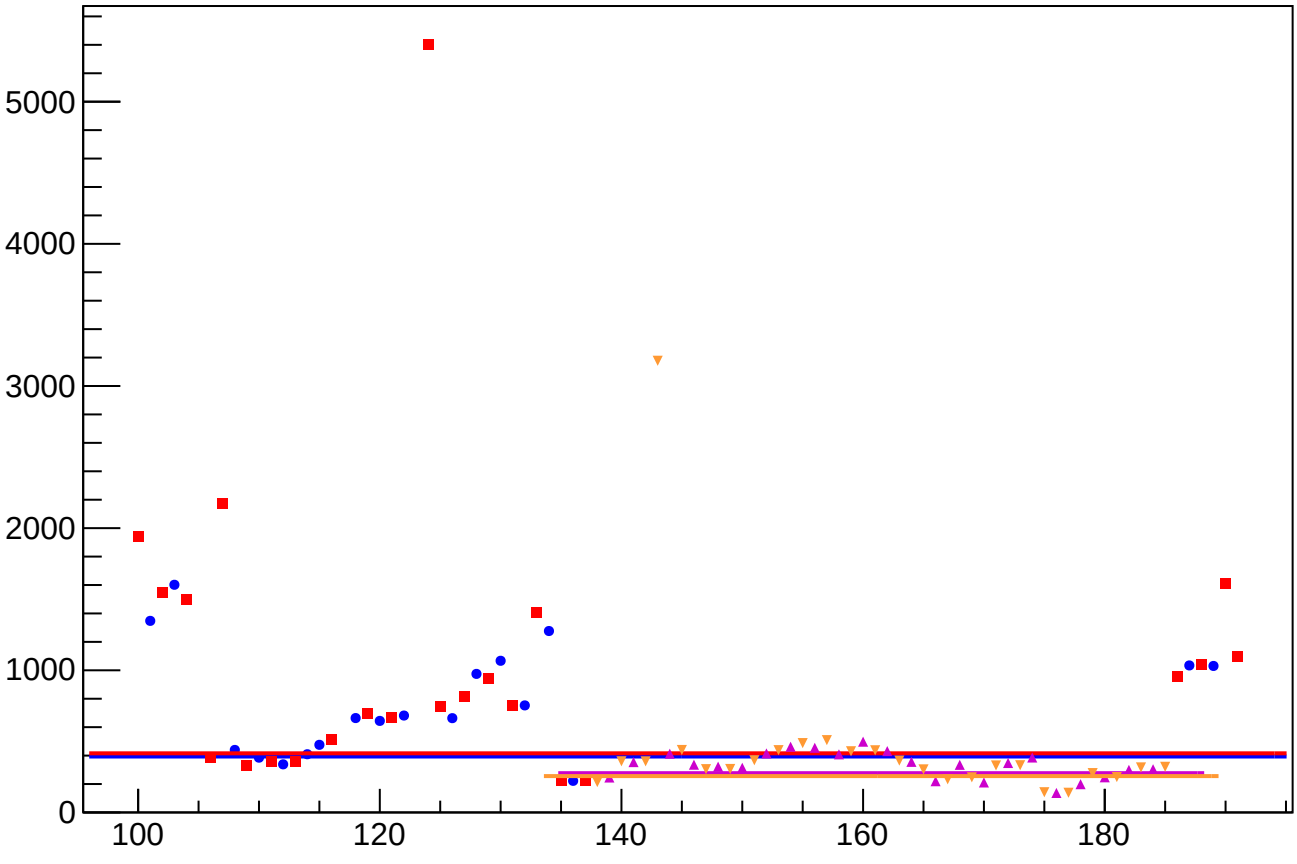
Right Out: -231.797+/-165.727 χ^2/NDF: 23.6/22

Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

+ sign -185.436+/-59.932 χ^2/NDF: 63.4/42

All: -159.867+/-43.609 χ^2/NDF: 106.1/88

- sign -131.097+/-63.574 χ^2/NDF: 42.2/45



Right In: 393.541+/-0.119 χ^2/NDF: 4866722.7/17

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

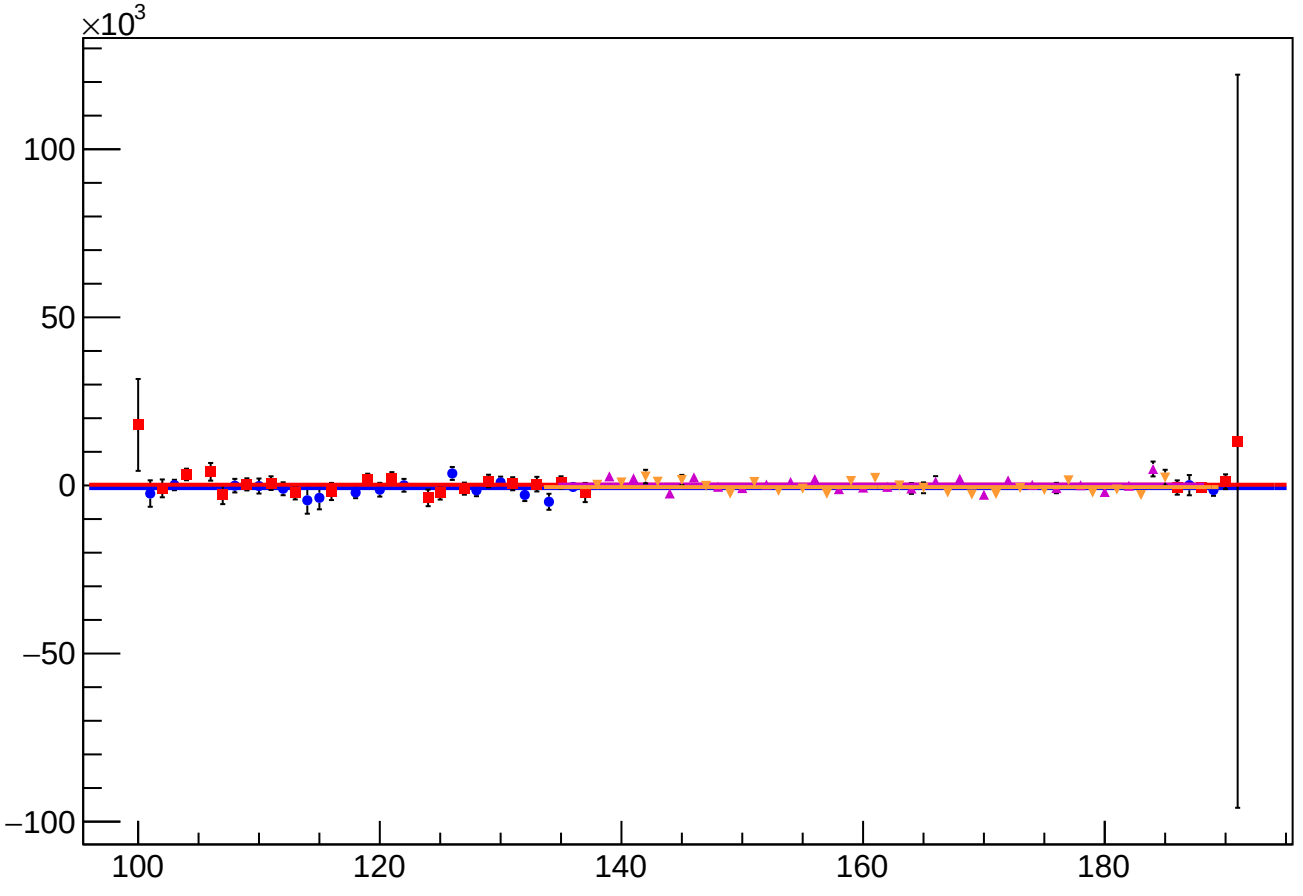
Right Out: 416.002+/-0.117 χ^2/NDF: 6135867.1/22

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 273.225+/-0.042 χ^2/NDF: 12410127.2/42

All: 284.344+/-0.031 χ^2/NDF: 23931806.0/88

- sign 296.856+/-0.045 χ^2/NDF: 11375360.3/45



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: 217.861+/-436.444 χ^2/NDF: 18.6/22

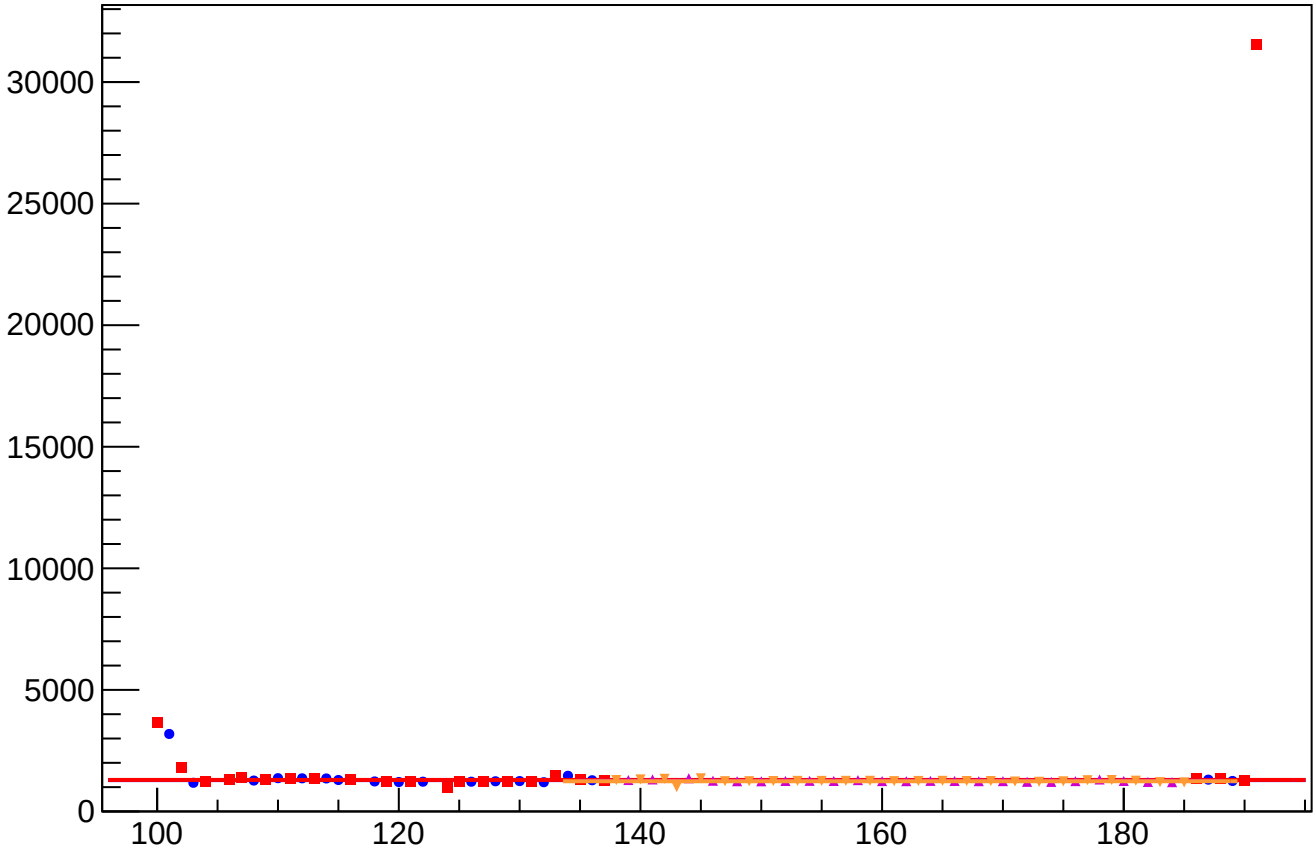
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -574.529+/-241.621 χ^2/NDF: 48.3/42

All: -174.049+/-171.697 χ^2/NDF: 103.2/88

- sign 234.456+/-244.030 χ^2/NDF: 49.3/45

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

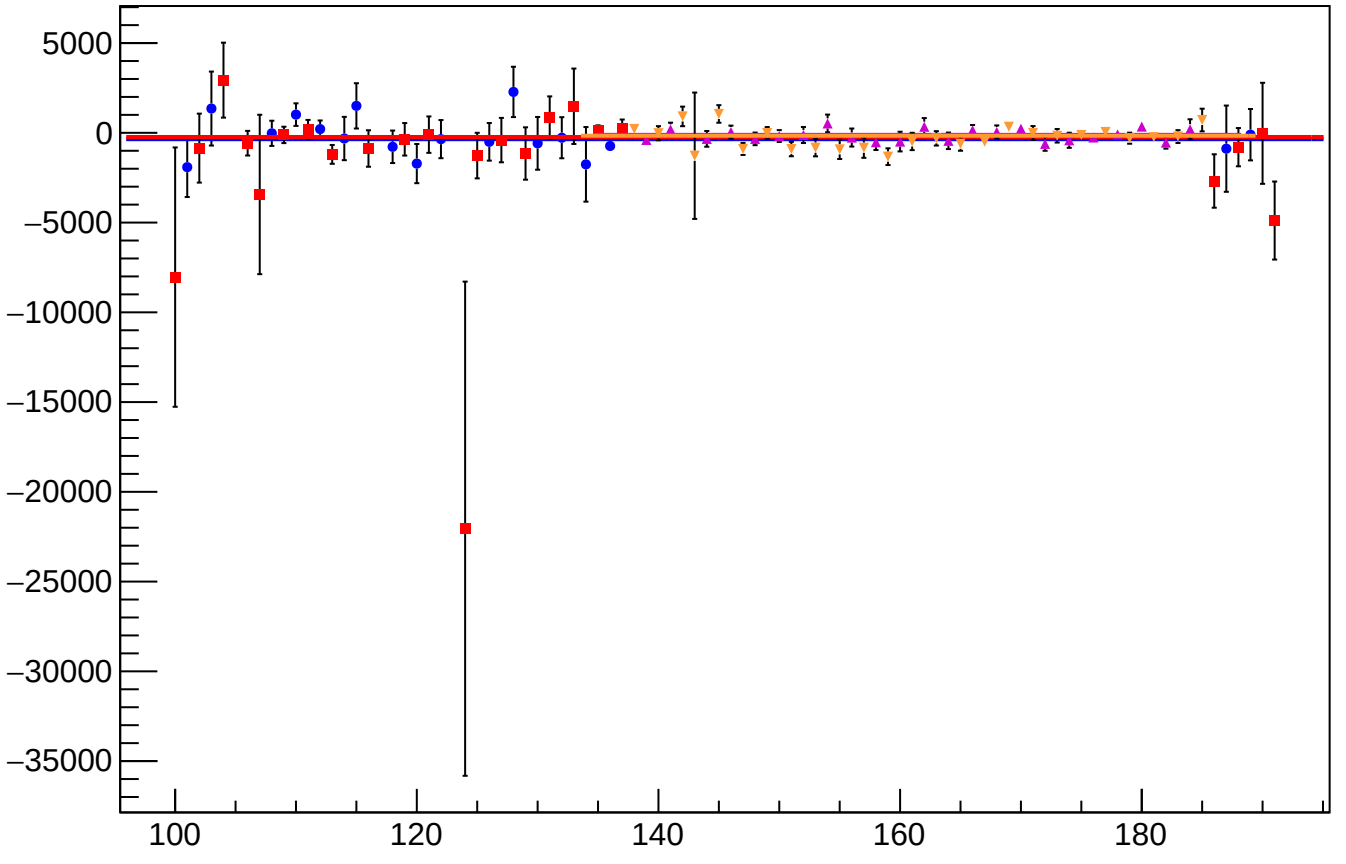
Right Out: 1296.757+/-0.309 χ^2/NDF: 371559.2/22

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

+ sign 1255.252+/-0.171 χ^2/NDF: 655376.9/42

All: 1263.323+/-0.121 χ^2/NDF: 1069077.5/88

- sign 1271.556+/-0.173 χ^2/NDF: 409192.8/45



Right In: -354.343+/-168.372 χ^2/NDF: 18.5/17

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

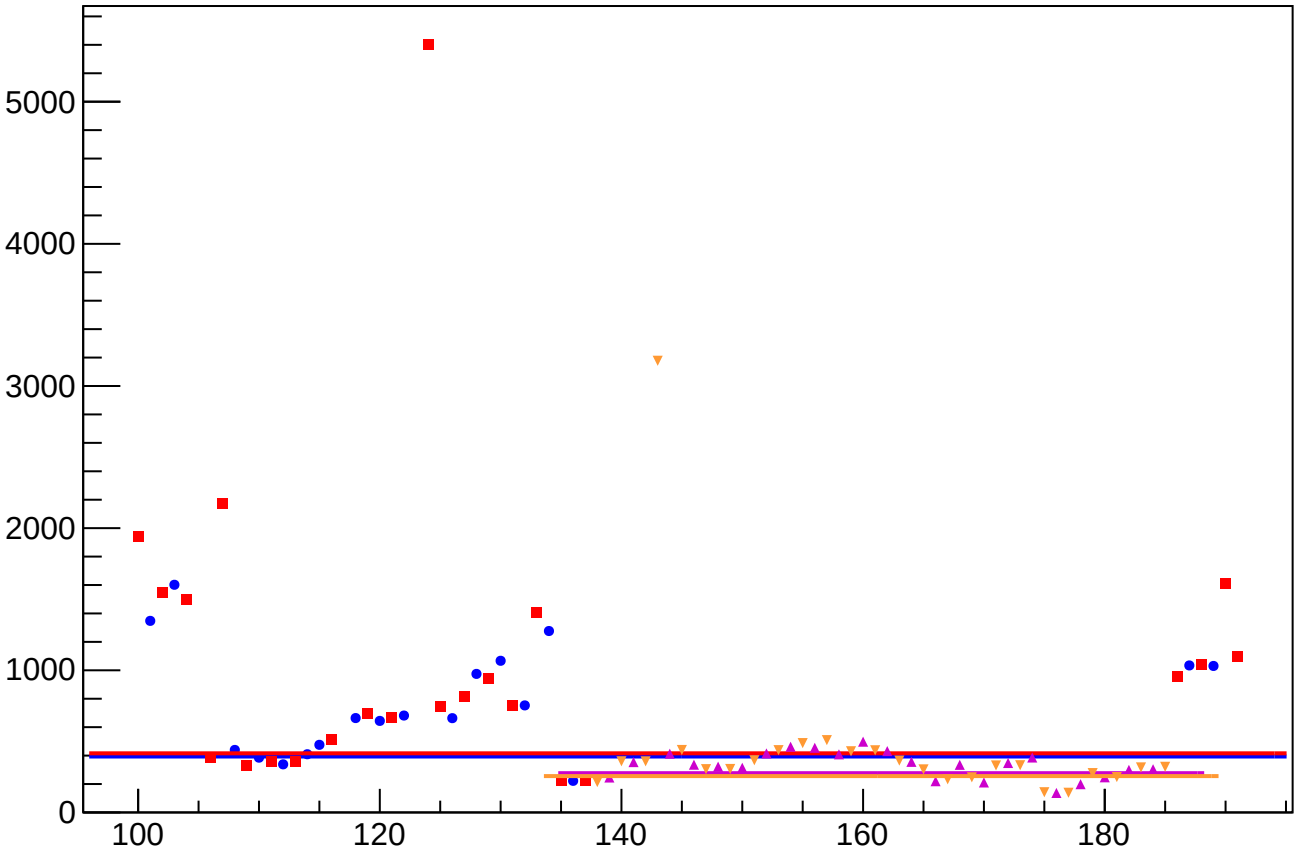
Right Out: -231.805+/-165.729 χ^2/NDF: 23.6/22

Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

+ sign -185.438+/-59.932 χ^2/NDF: 63.4/42

All: -159.868+/-43.609 χ^2/NDF: 106.1/88

- sign -131.096+/-63.574 χ^2/NDF: 42.2/45



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: 416.011+/-0.117 χ^2/NDF: 6135691.9/22

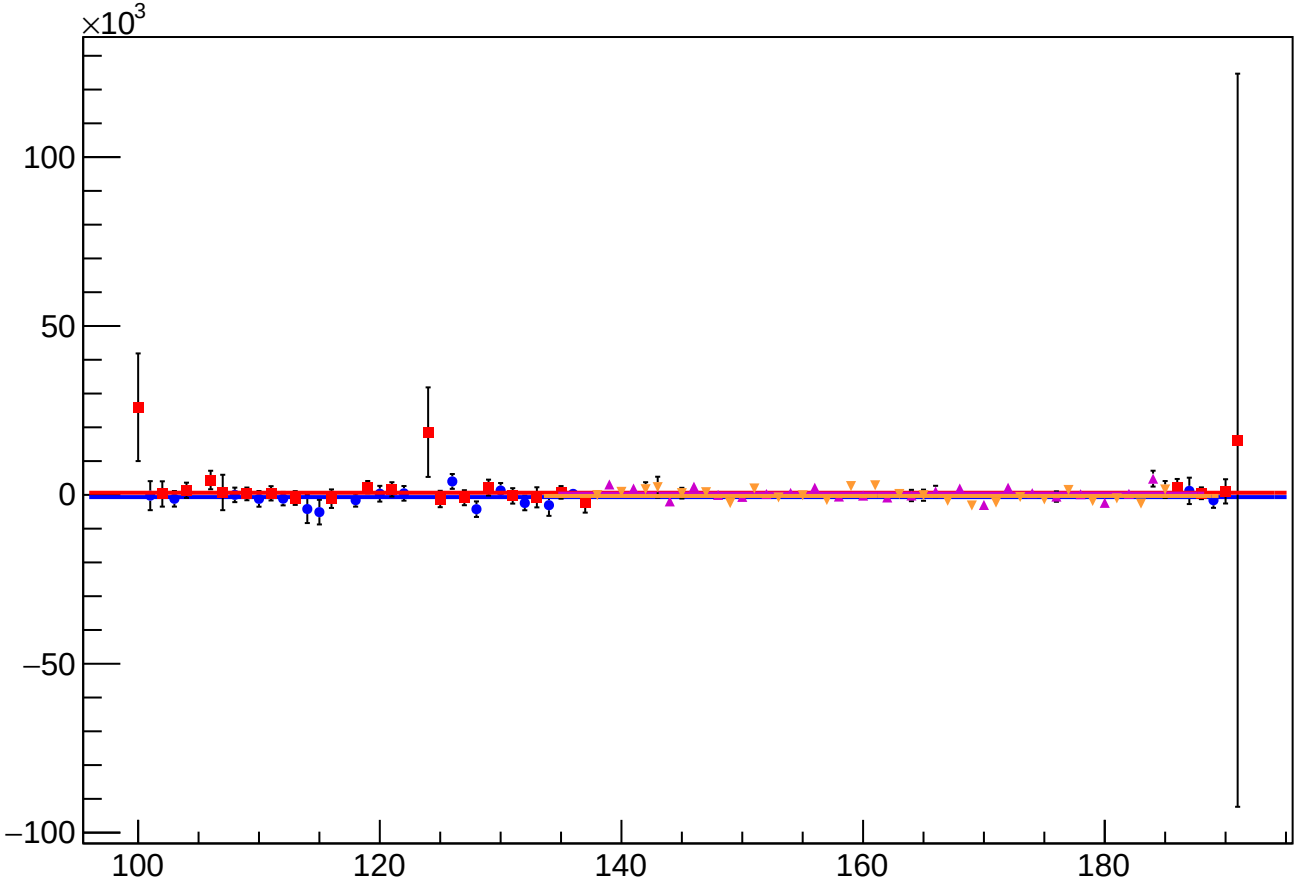
Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 273.227+/-0.042 χ^2/NDF: 12409944.6/42

All: 284.346+/-0.031 χ^2/NDF: 23931506.0/88

- sign 296.858+/-0.045 χ^2/NDF: 11375254.0/45

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: 631.249+/-522.213 χ^2/NDF: 11.7/22

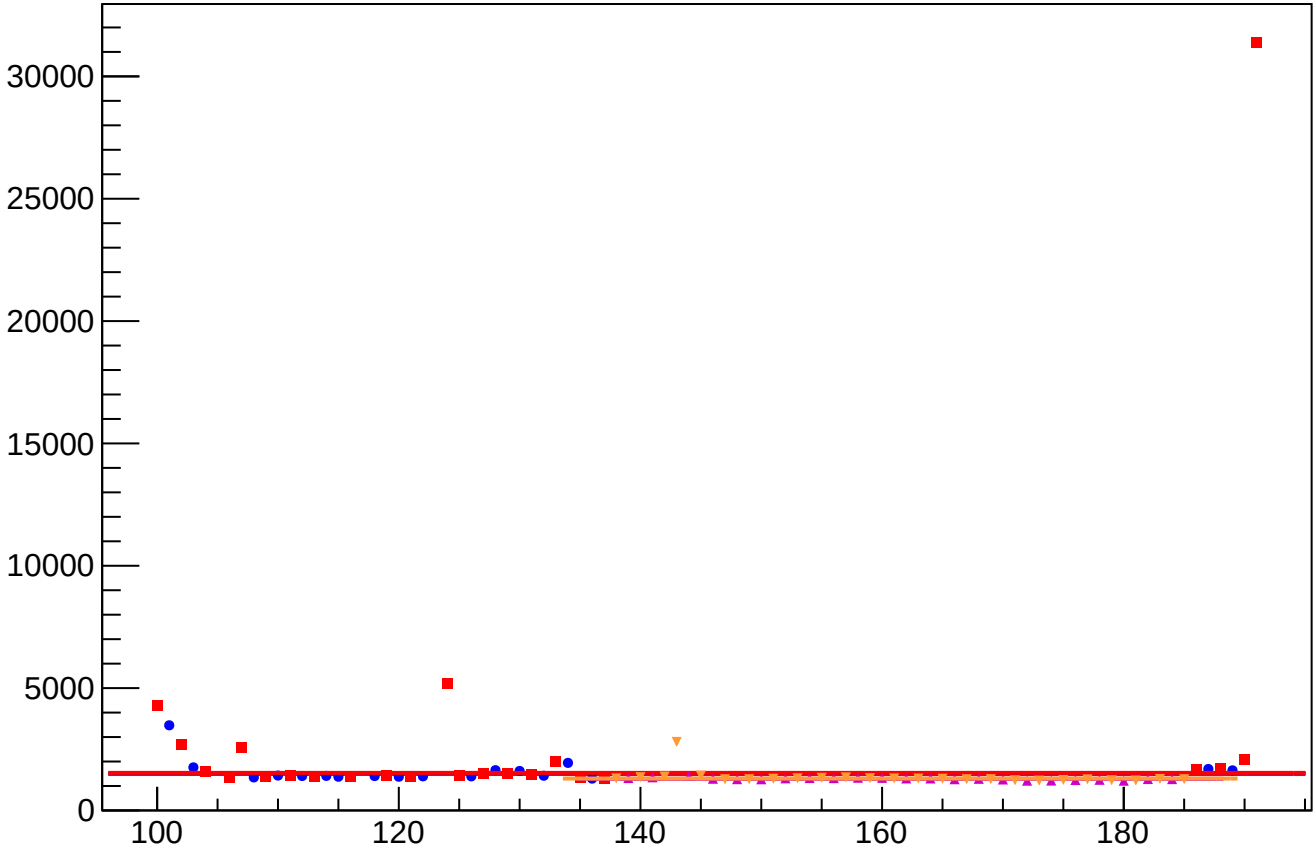
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

\+ sign -398.842+/-261.337 χ^2/NDF: 44.7/42

All: 13.151+/-184.804 χ^2/NDF: 91.3/88

\- sign 425.240+/-261.368 χ^2/NDF: 41.6/45

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

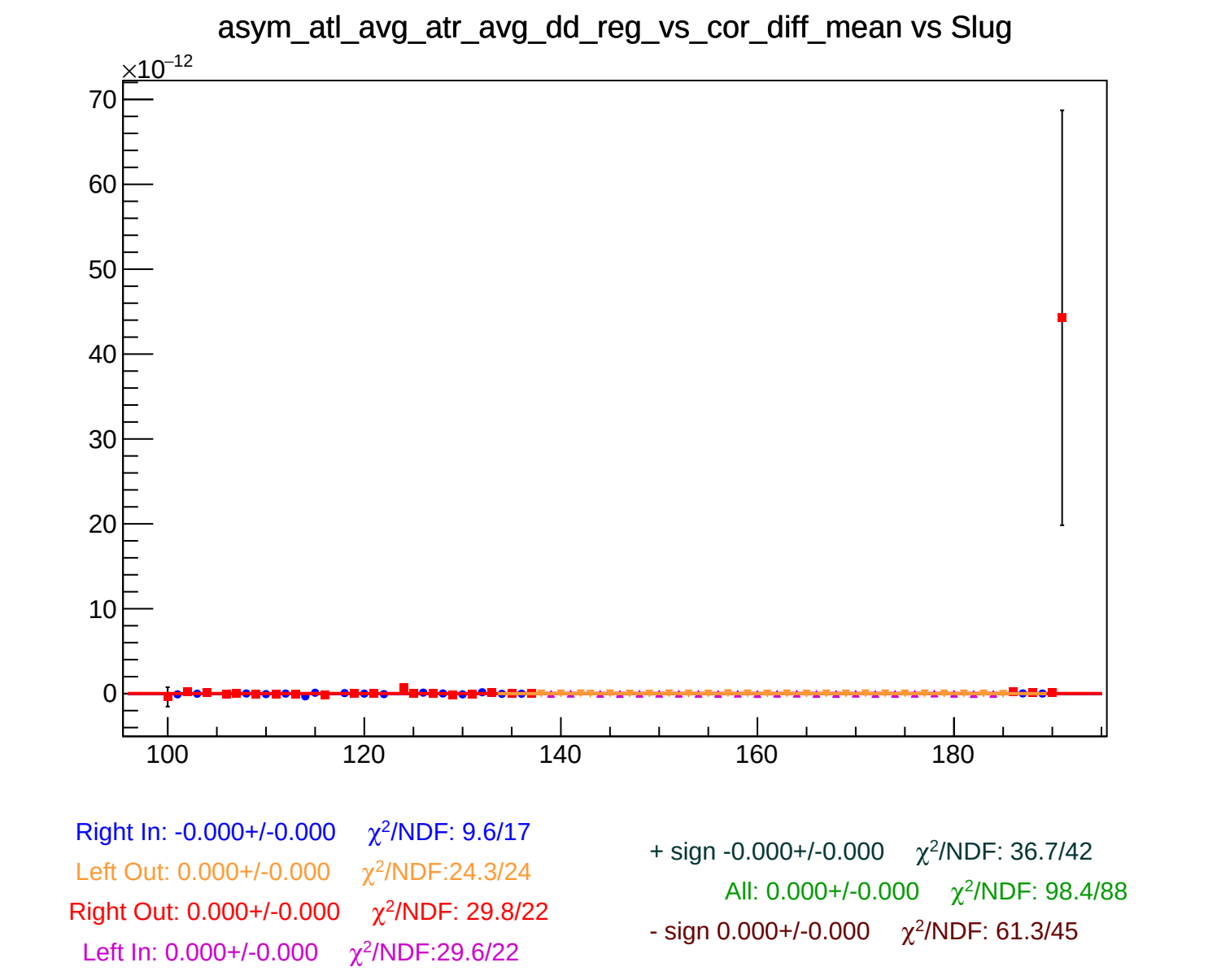
Right Out: 1535.621+/-0.369 χ^2/NDF: 854439.4/22

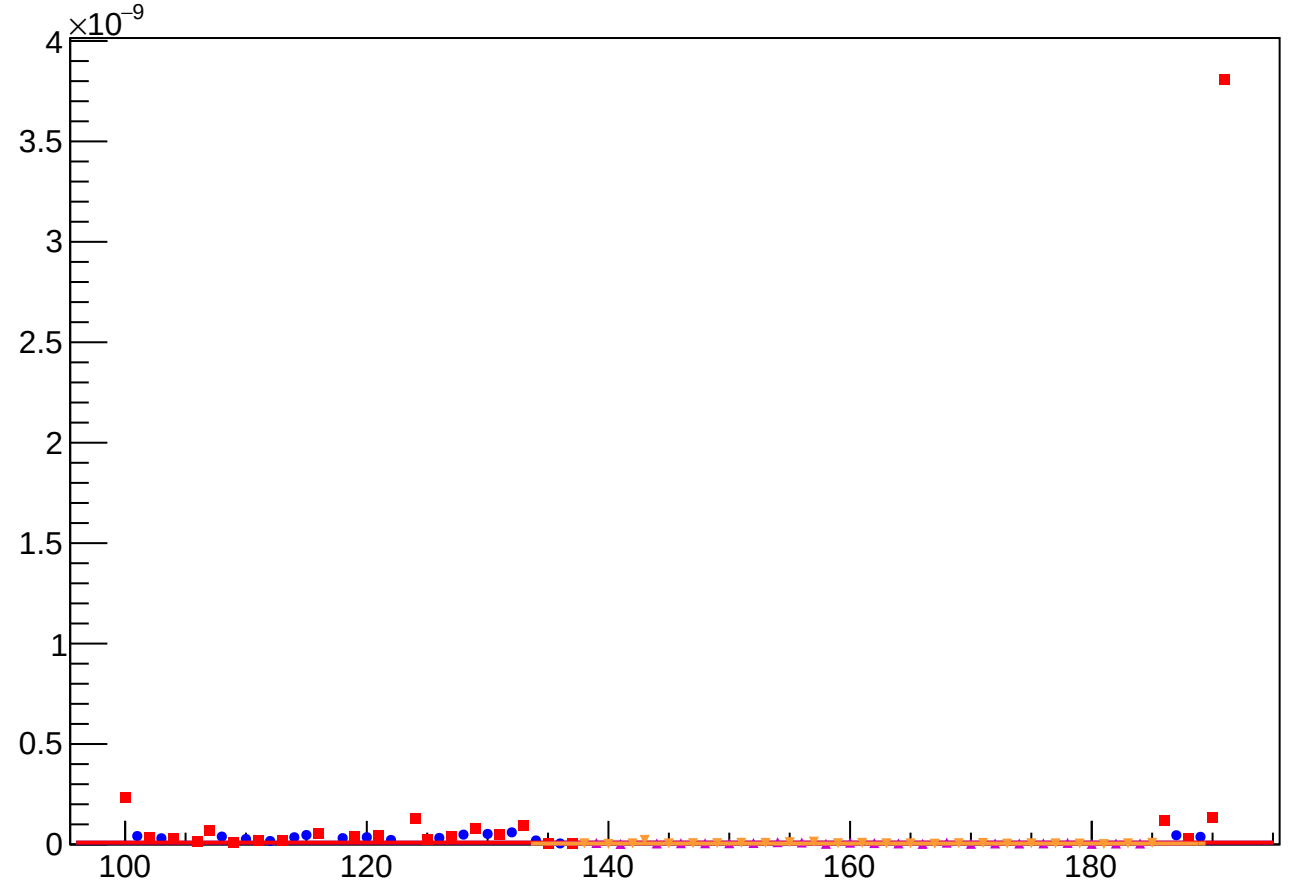
Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1349.248+/-0.185 χ^2/NDF: 1314642.7/42

All: 1351.184+/-0.131 χ^2/NDF: 2543555.9/88

- sign 1353.120+/-0.185 χ^2/NDF: 1228693.7/45


asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
70
60
50
40
30
20
10
0
100
120
140
160
180
Right In: -0.000+/-0.000 χ²/NDF: 9.6/17
Left Out: 0.000+/-0.000 χ²/NDF:24.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 29.8/22
Left In: 0.000+/-0.000 χ²/NDF:29.6/22
+ sign -0.000+/-0.000 χ²/NDF: 36.7/42
All: 0.000+/-0.000 χ²/NDF: 98.4/88
- sign 0.000+/-0.000 χ²/NDF: 61.3/45



Right In: 0.000+/-0.000 χ^2/NDF: 3338564.5/17

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

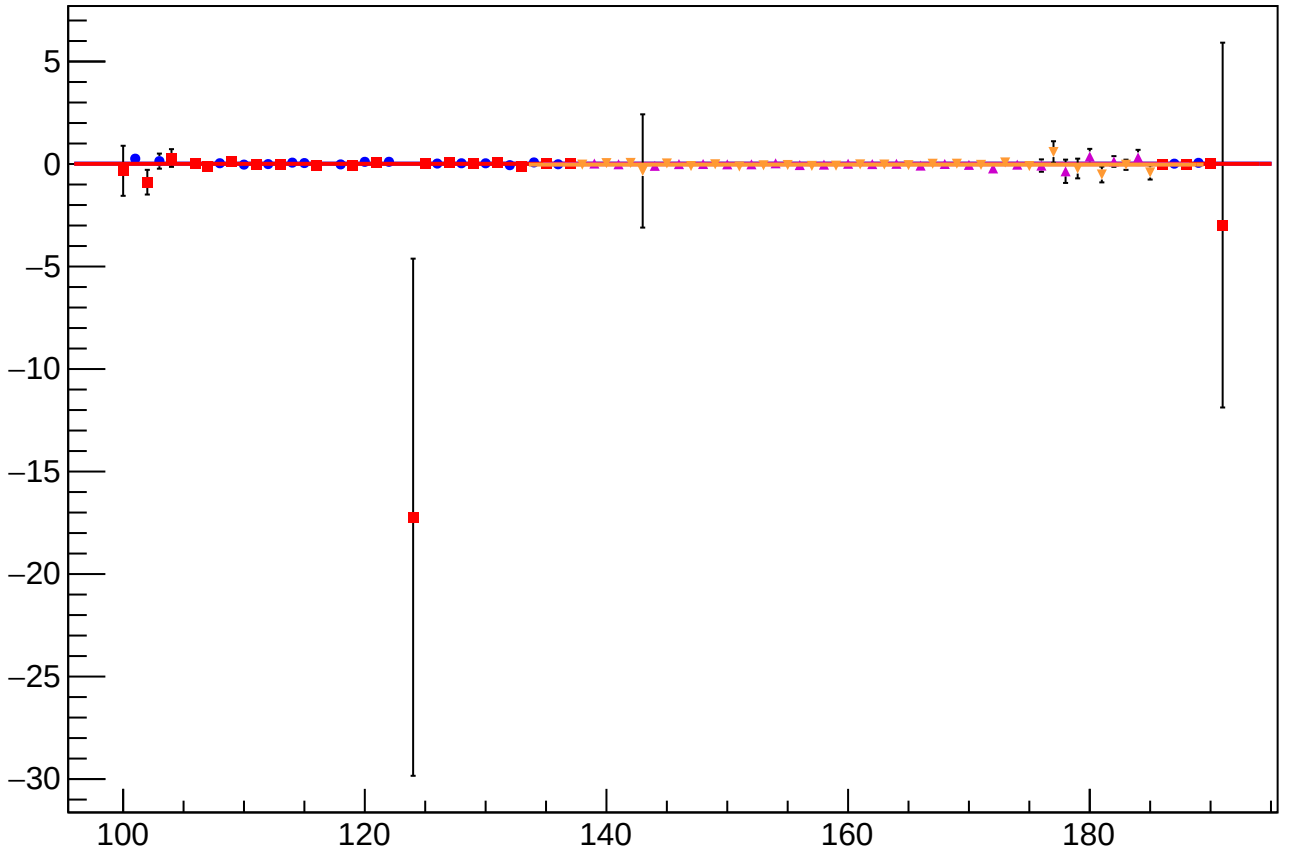
Right Out: 0.000+/-0.000 χ^2/NDF: 4368254.1/22

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: 13463630.5/88

- sign 0.000+/-0.000 χ^2/NDF: 6804951.6/45



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: 16.6/22

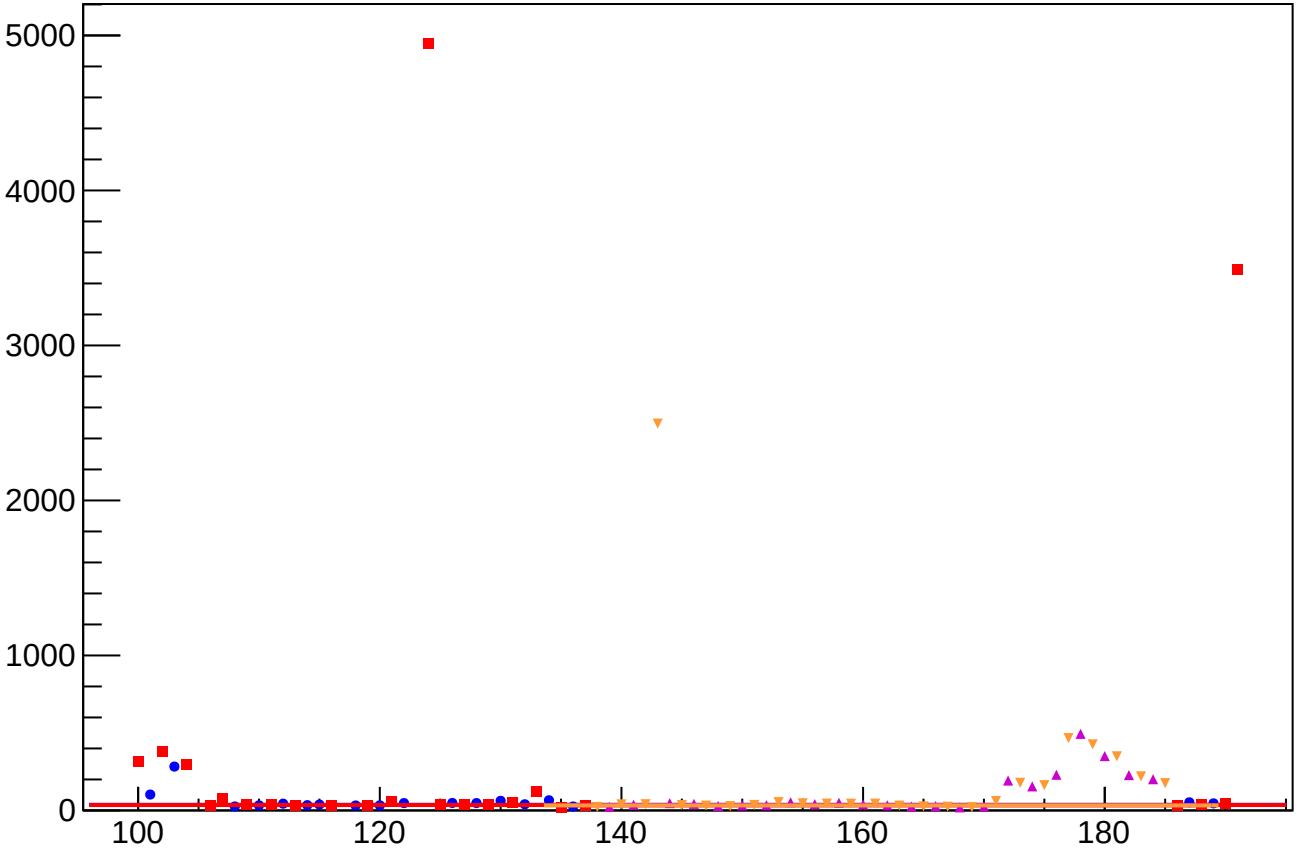
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.015+/-0.008 χ^2/NDF: 46.8/42

All: -0.009+/-0.006 χ^2/NDF: 78.8/88

- sign -0.004+/-0.008 χ^2/NDF: 31.2/45

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

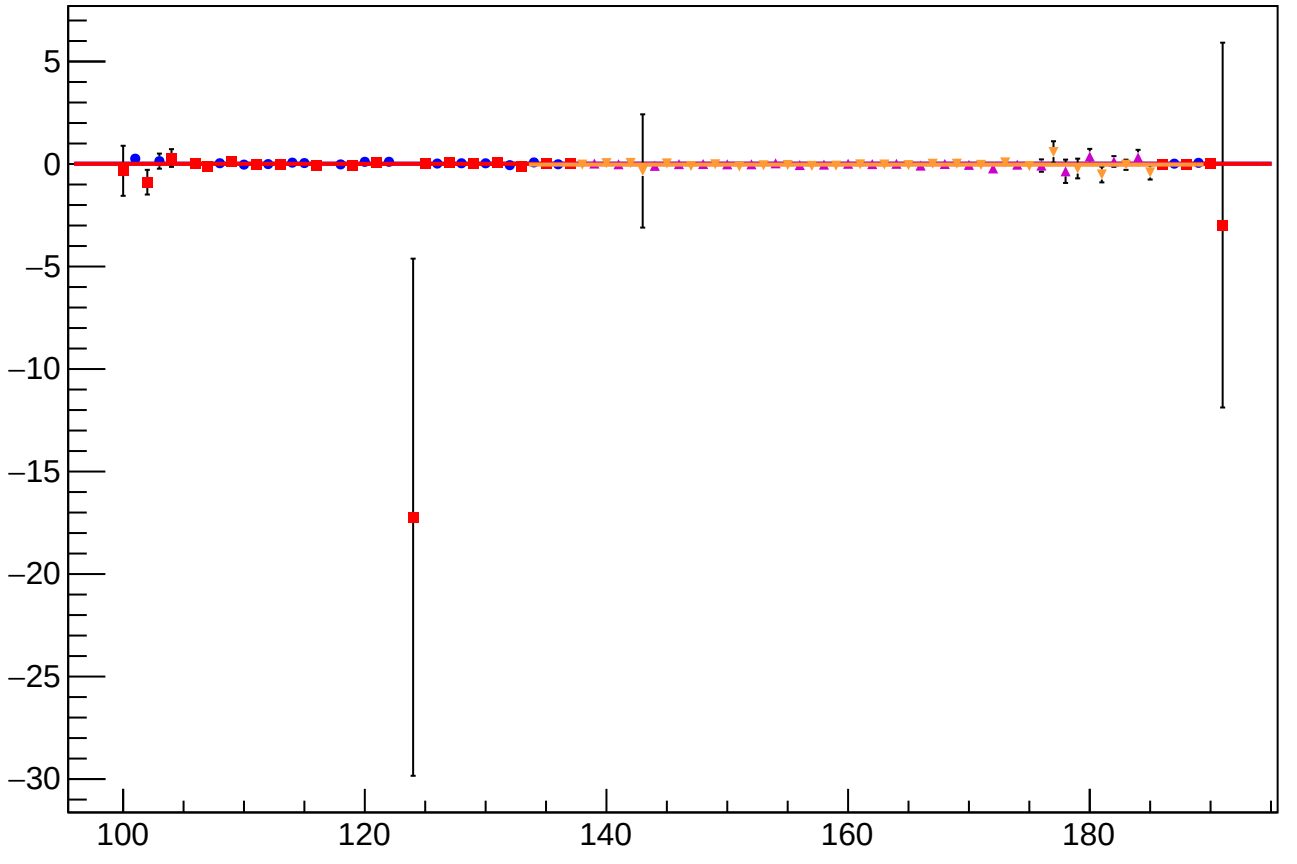
Right Out: 34.926+/-0.010 χ^2/NDF: 3281767.8/22

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 33.670+/-0.006 χ^2/NDF: 13305085.7/42

All: 33.550+/-0.004 χ^2/NDF: 25584791.7/88

- sign 33.436+/-0.006 χ^2/NDF: 12278838.4/45



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: 16.6/22

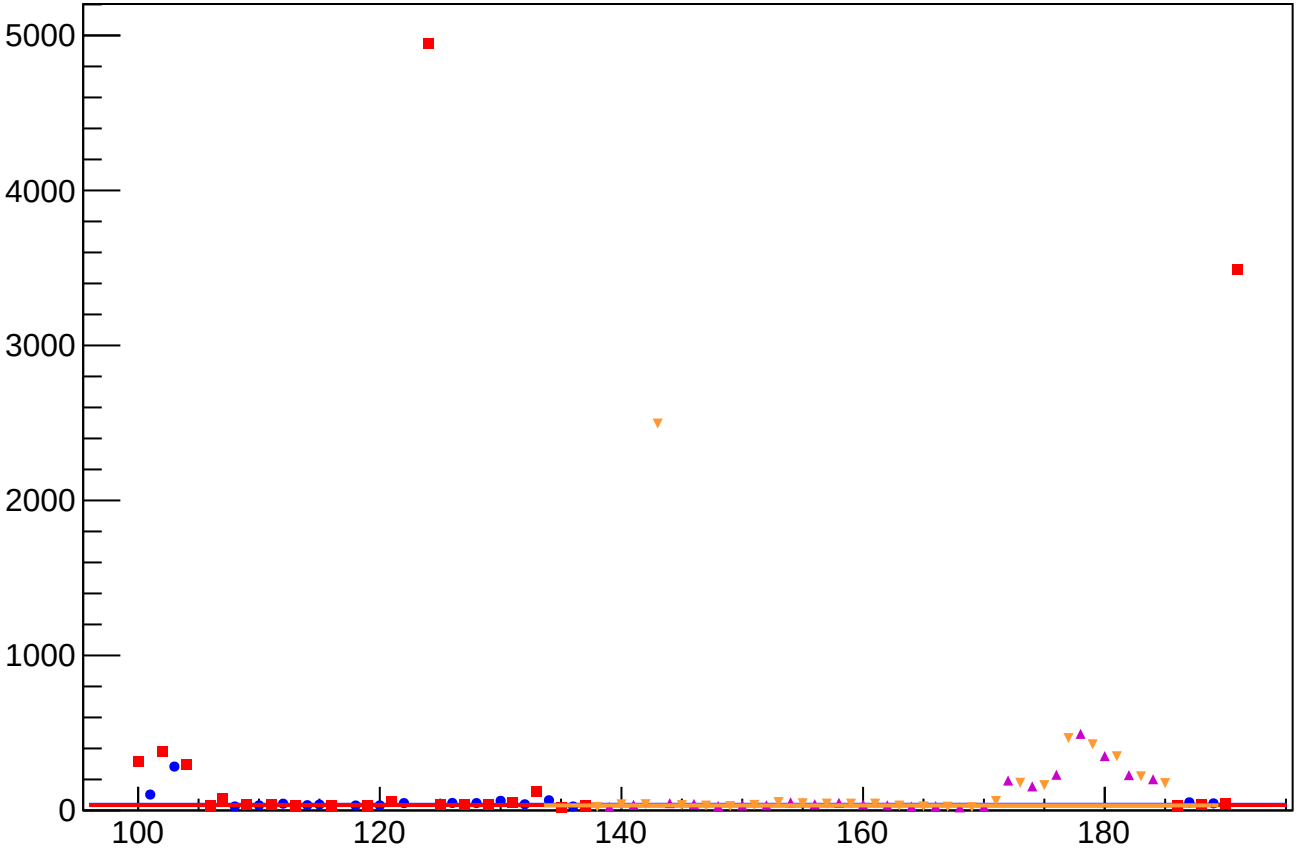
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.015+/-0.008 χ^2/NDF: 46.8/42

All: -0.009+/-0.006 χ^2/NDF: 78.8/88

- sign -0.004+/-0.008 χ^2/NDF: 31.2/45

asym_atl_avg_atr_avg_dd_dit_vs_eigen_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

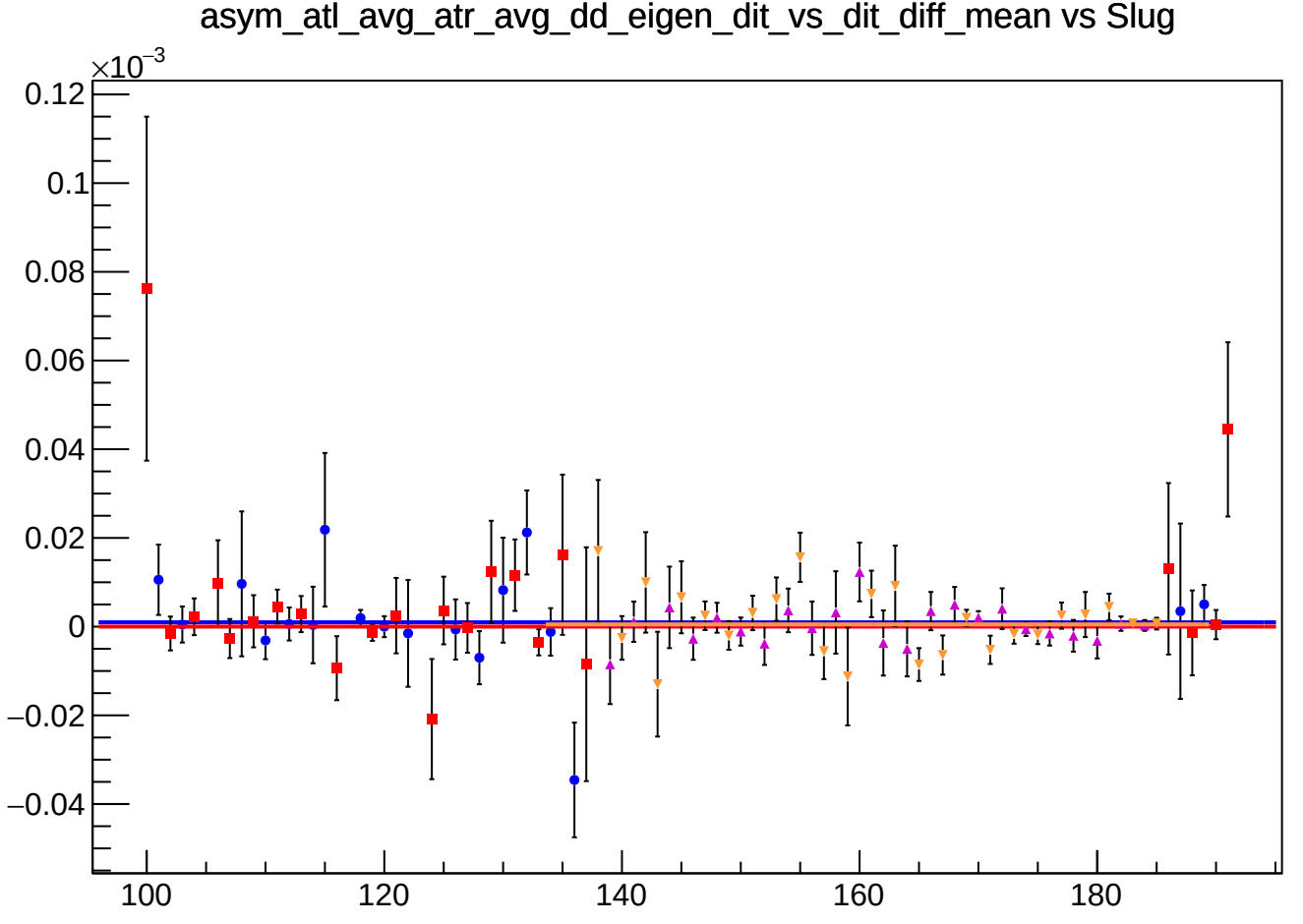
Right Out: 34.926+/-0.010 χ^2/NDF: 3281767.8/22

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 33.670+/-0.006 χ^2/NDF: 13305085.7/42

All: 33.550+/-0.004 χ^2/NDF: 25584791.7/88

- sign 33.436+/-0.006 χ^2/NDF: 12278838.4/45



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

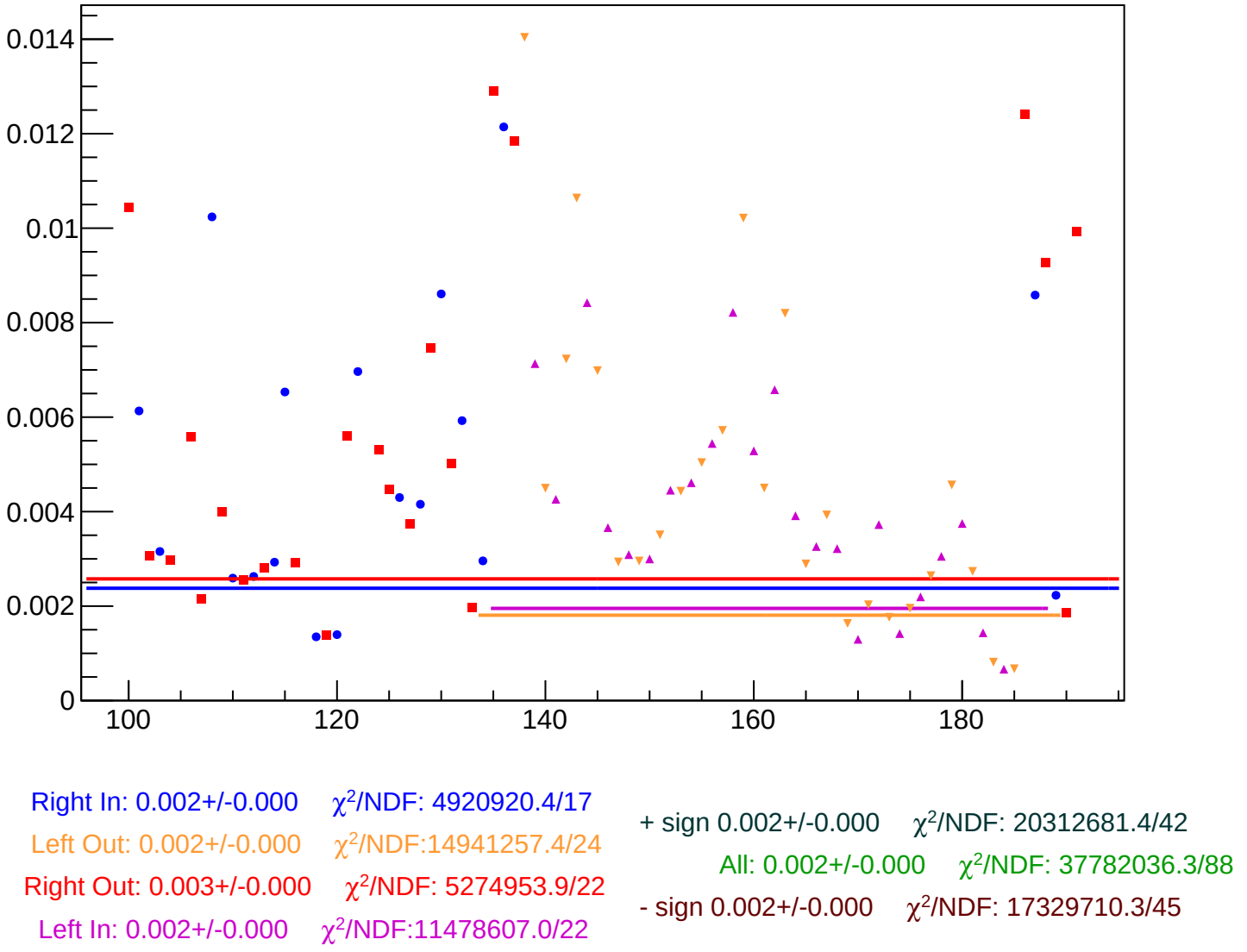
Right Out: 0.000+/-0.000 χ^2/NDF: 23.7/22

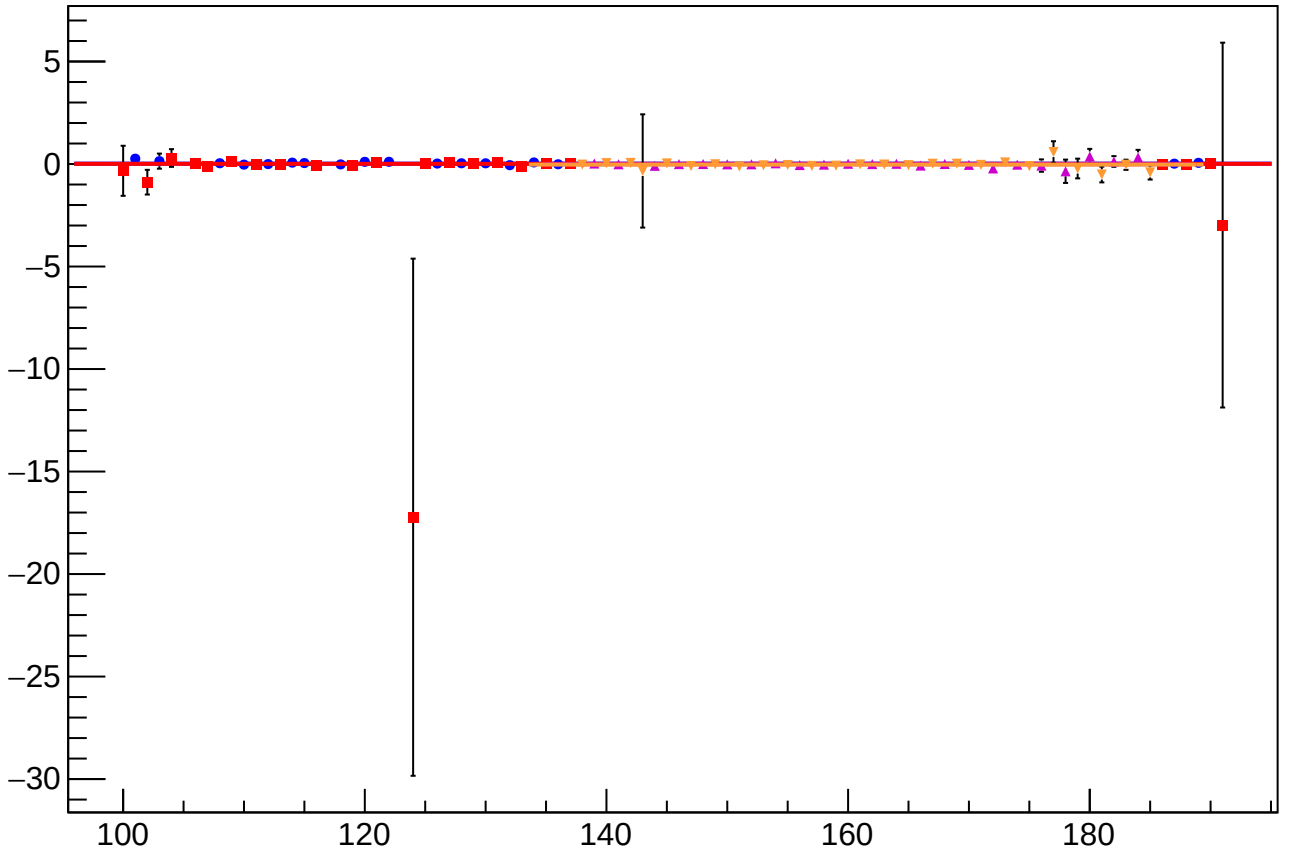
Left In: 0.000+/-0.000 χ^2/NDF:13.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 55.9/42

All: 0.000+/-0.000 χ^2/NDF: 93.6/88

- sign 0.000+/-0.000 χ^2/NDF: 37.6/45


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
120
140
160
180
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: 5274953.9/22
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: 37782036.3/88
- sign 0.002+/-0.000 χ²/NDF: 17329710.3/45



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: 16.6/22

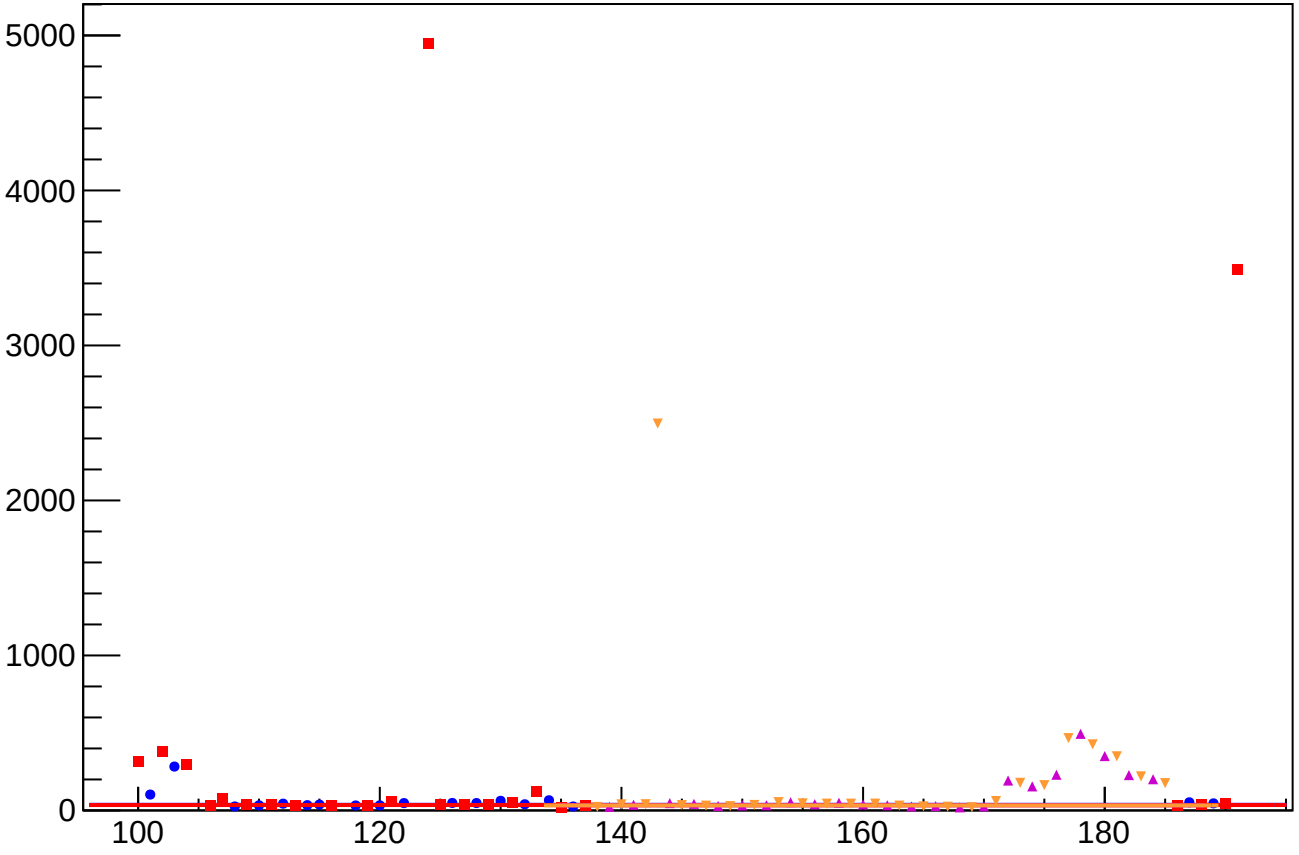
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.015+/-0.008 χ^2/NDF: 46.8/42

All: -0.009+/-0.006 χ^2/NDF: 78.8/88

- sign -0.004+/-0.008 χ^2/NDF: 31.2/45

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 36.441+/-0.011 χ^2/NDF: 2336973.1/17

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

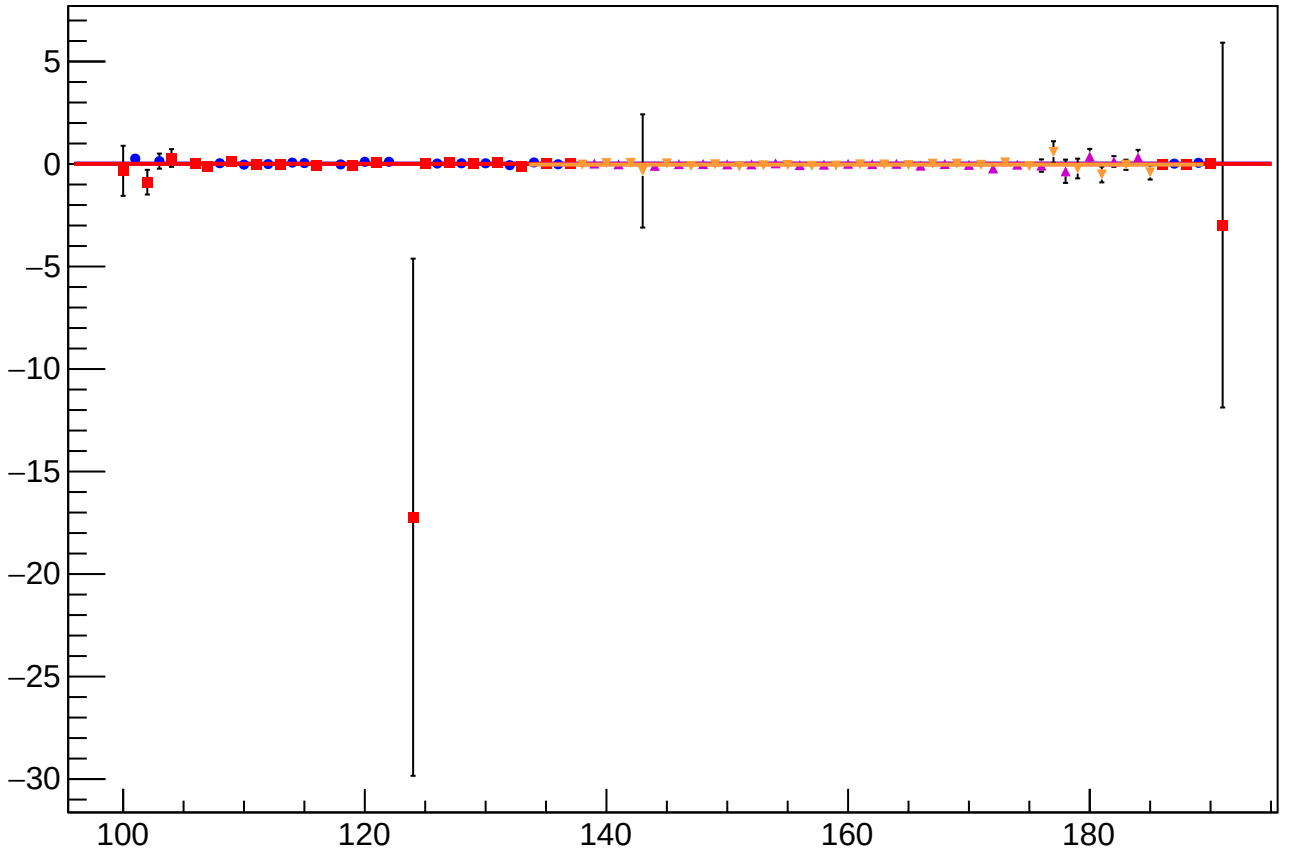
Right Out: 34.927+/-0.010 χ^2/NDF: 3281579.6/22

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 33.670+/-0.006 χ^2/NDF: 13305123.2/42

All: 33.550+/-0.004 χ^2/NDF: 25585331.6/88

- sign 33.435+/-0.006 χ^2/NDF: 12279333.0/45



Right In: 0.018+/-0.015 χ^2/NDF: 11.8/17

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

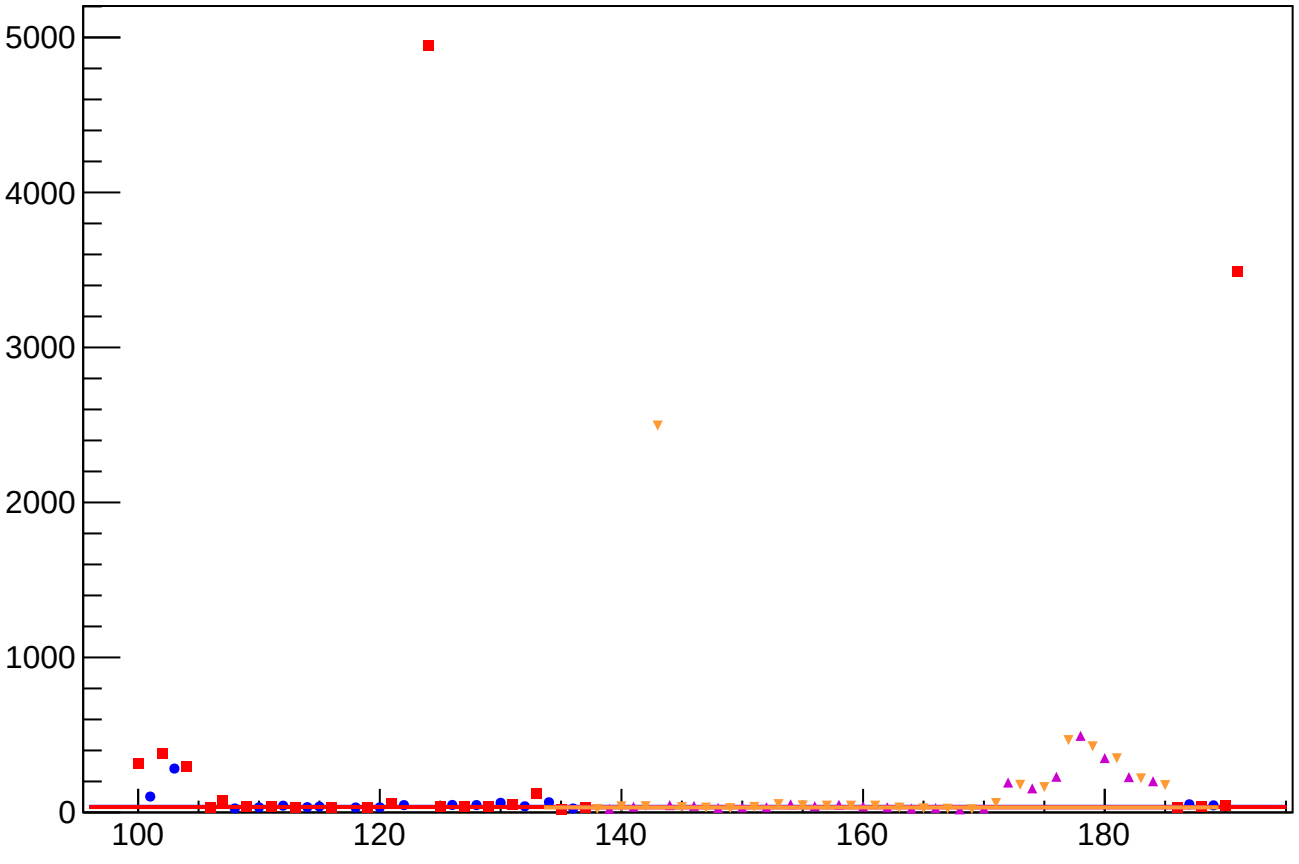
Right Out: 0.009+/-0.014 χ^2/NDF: 16.6/22

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: 78.8/88

- sign -0.004+/-0.008 χ^2/NDF: 31.2/45



Right In: 36.441+/-0.011 χ^2/NDF: 2336973.1/17

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

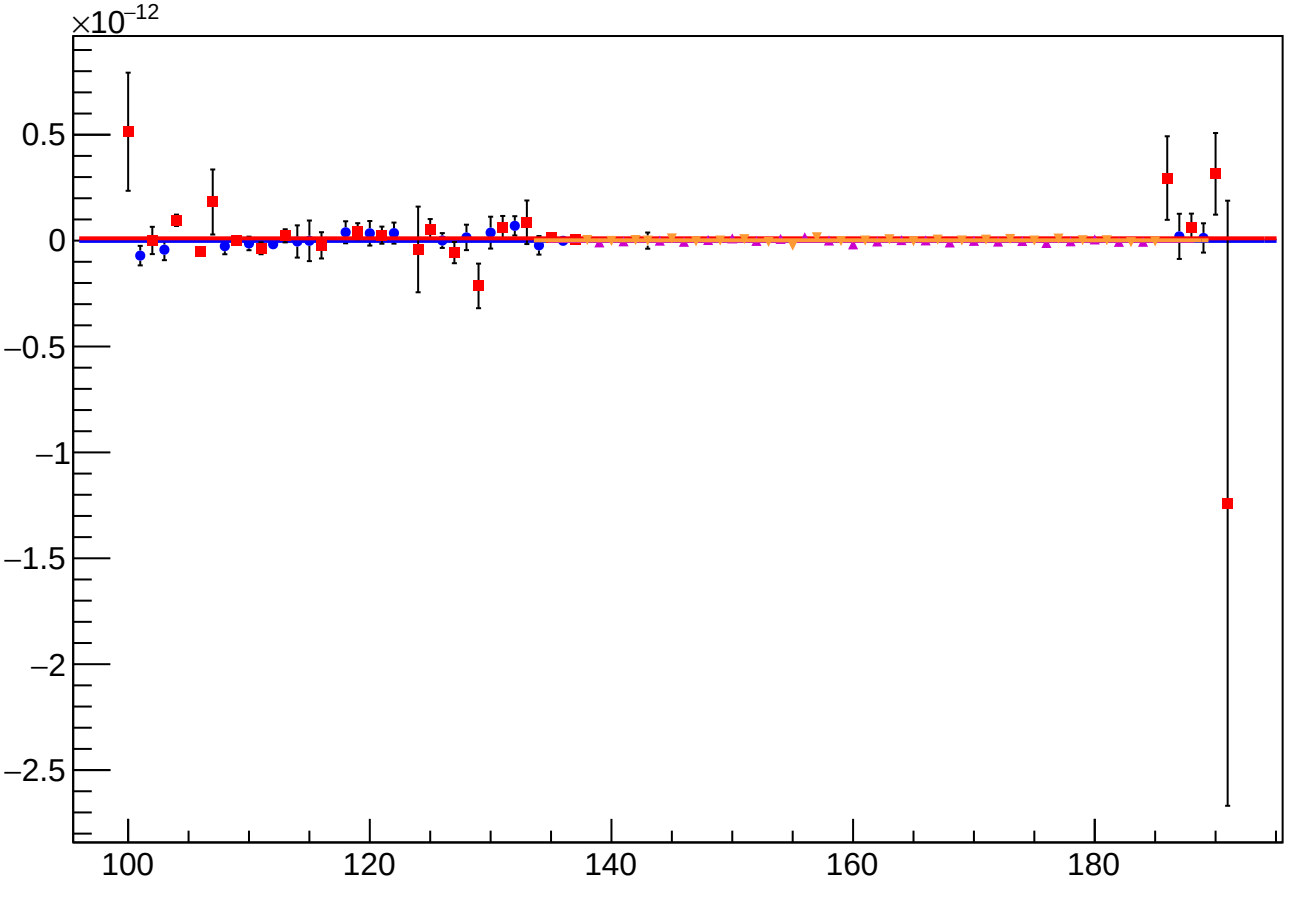
Right Out: 34.927+/-0.010 χ^2/NDF: 3281579.6/22

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 33.670+/-0.006 χ^2/NDF: 13305123.2/42

All: 33.550+/-0.004 χ^2/NDF: 25585331.6/88

- sign 33.435+/-0.006 χ^2/NDF: 12279333.0/45



Right In: -0.000+/-0.000 χ^2/NDF: 8.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

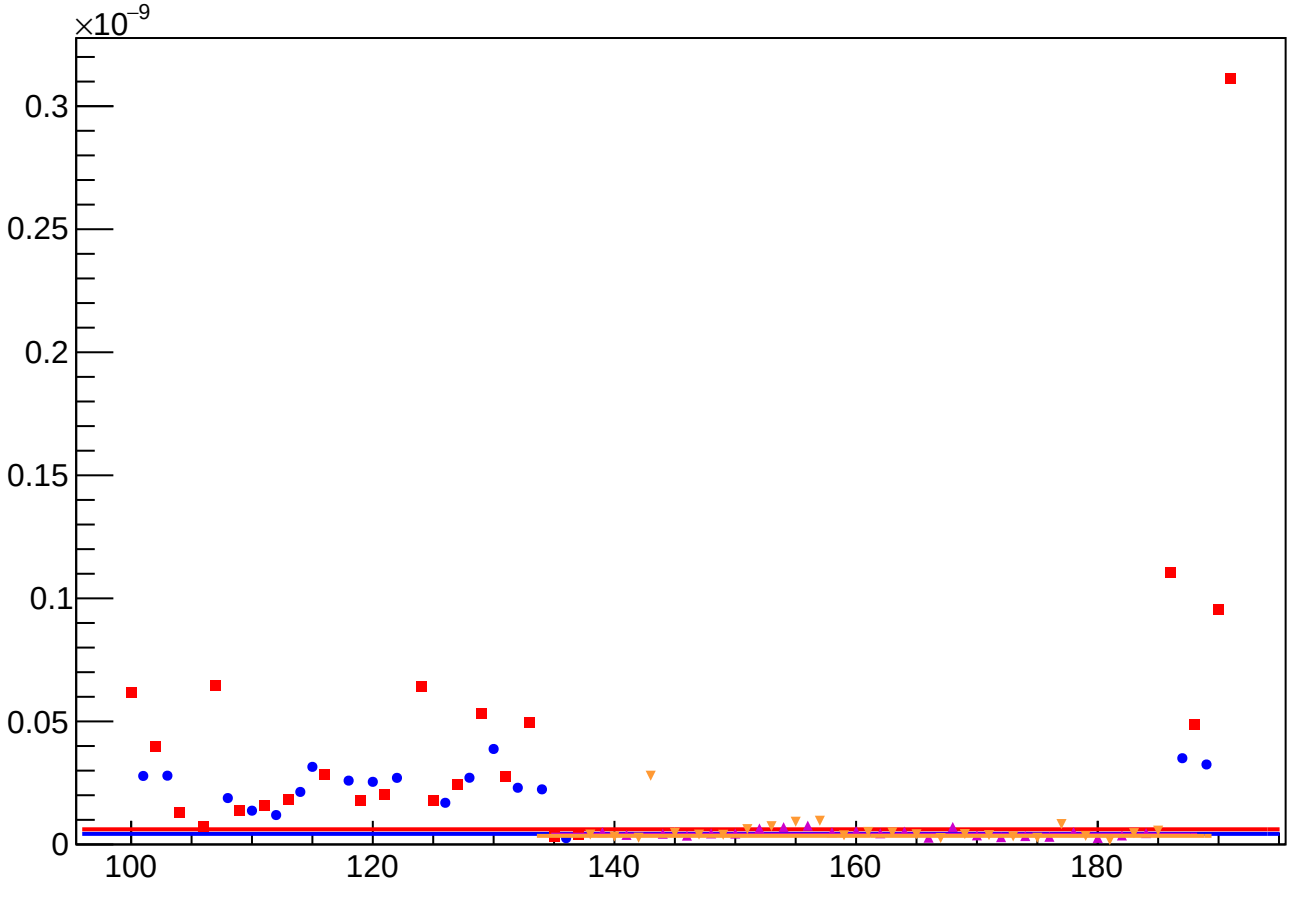
Right Out: 0.000+/-0.000 χ^2/NDF: 45.9/22

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: 110.8/88

- sign -0.000+/-0.000 χ^2/NDF: 82.3/45



Right In: 0.000+/-0.000 χ^2/NDF: 5580787.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6814308.9/22

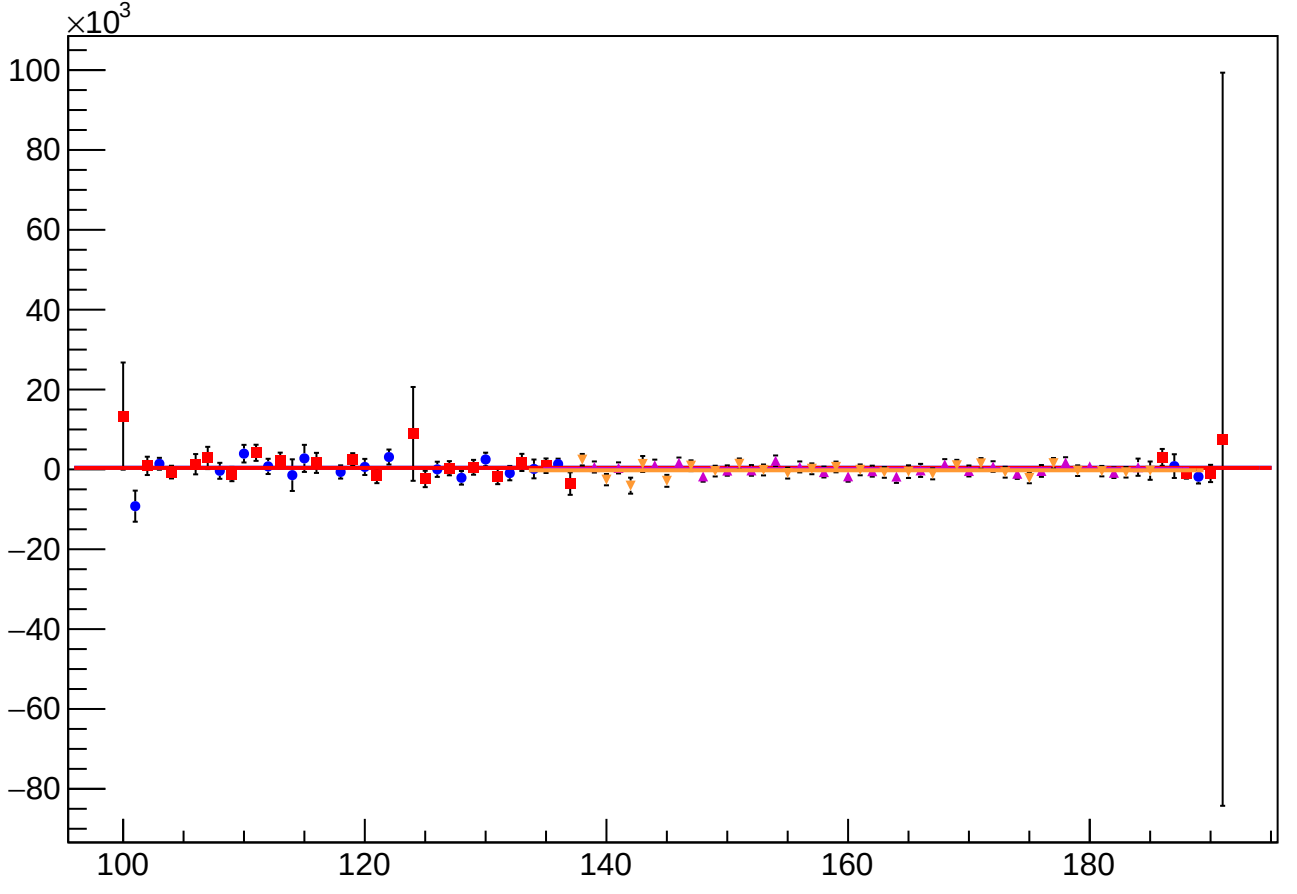
Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 10371038.0/42

All: 0.000+/-0.000 χ^2/NDF: 20052008.6/88

- sign 0.000+/-0.000 χ^2/NDF: 9399105.3/45

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: 371.874+/-433.859 χ^2/NDF: 19.9/22

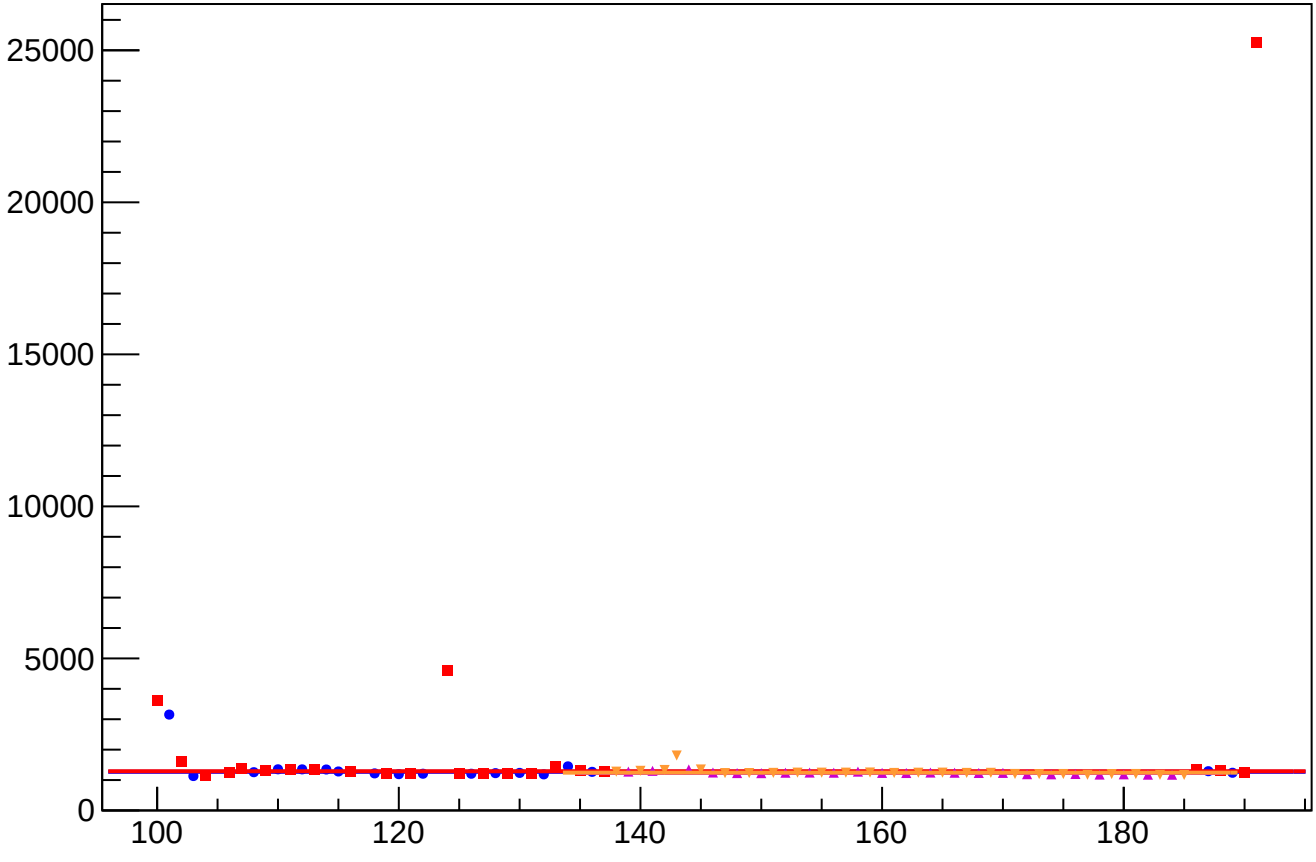
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

+ sign -44.804+/-240.866 χ^2/NDF: 44.3/42

All: 66.952+/-170.037 χ^2/NDF: 79.5/88

- sign 177.972+/-240.072 χ^2/NDF: 34.8/45

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

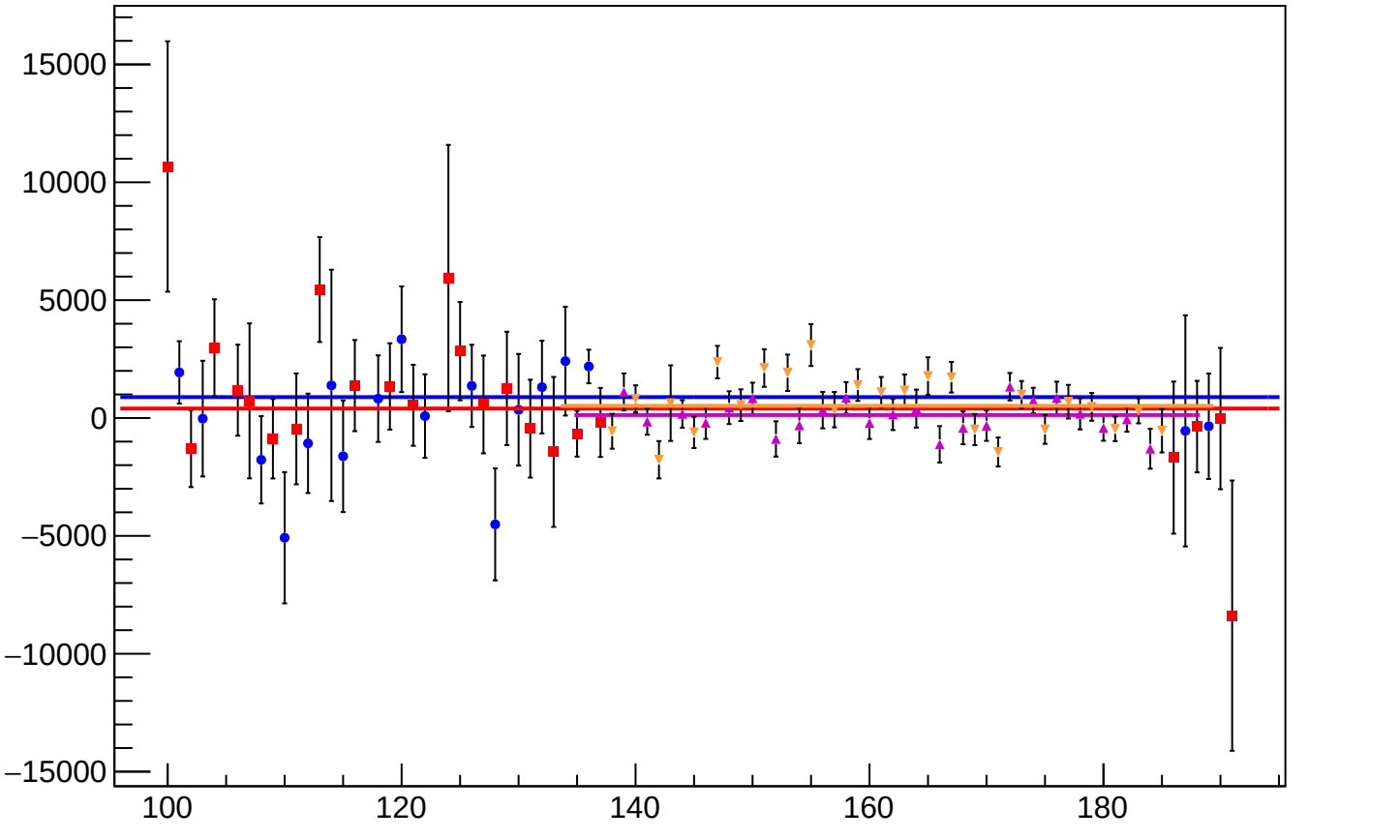
Right Out: 1289.209+/-0.307 χ^2/NDF: 466930.4/22

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1250.554+/-0.170 χ^2/NDF: 728796.8/42

All: 1250.644+/-0.120 χ^2/NDF: 1257681.1/88

- sign 1250.732+/-0.170 χ^2/NDF: 528883.8/45



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: 401.721+/-419.932 χ^2/NDF: 20.2/22

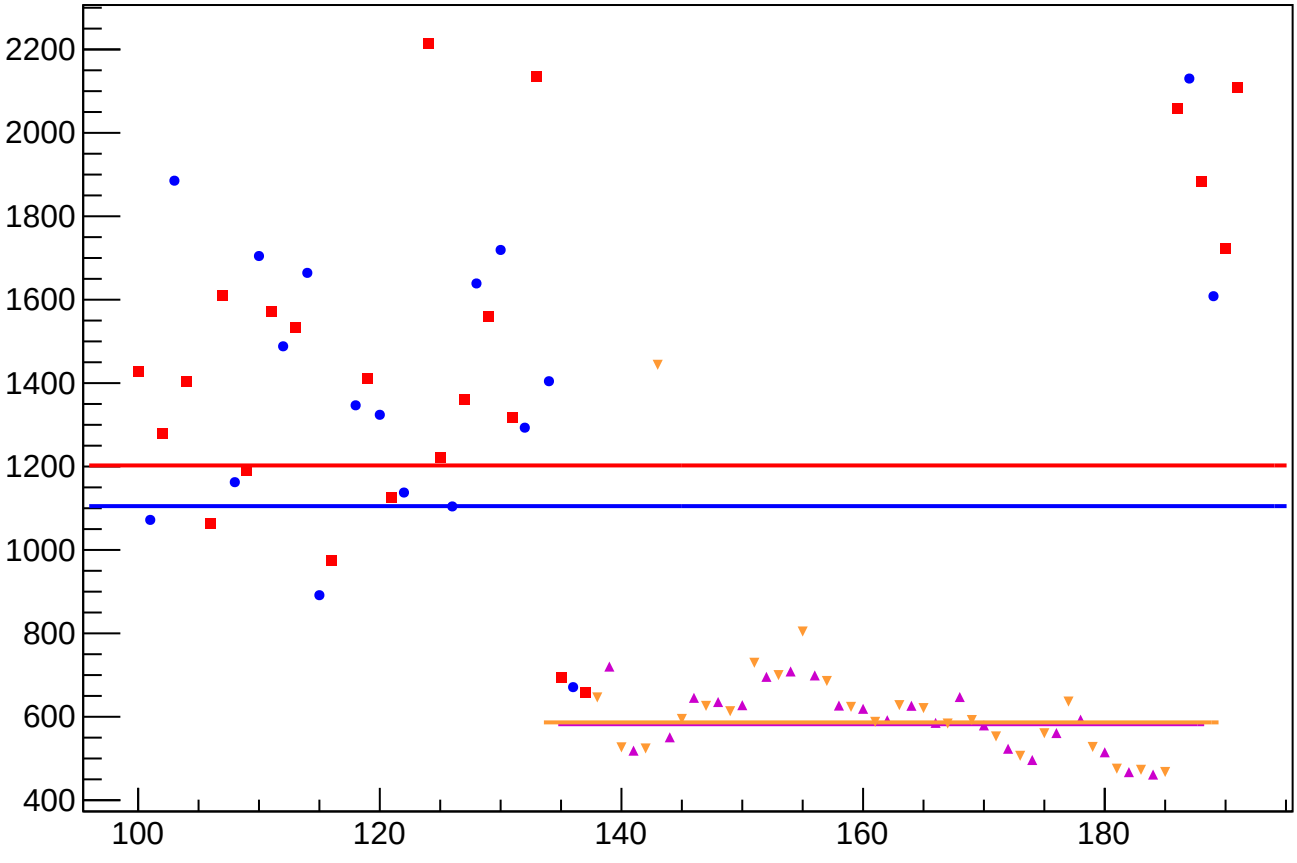
Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

+ sign 552.220+/-129.074 χ^2/NDF: 88.0/42

All: 354.827+/-91.759 χ^2/NDF: 134.9/88

- sign 153.131+/-130.473 χ^2/NDF: 42.1/45

asym_atl_dd_atr_dd_dd_reg_correction_rms vs Slug



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: 1202.605+/-0.297 χ^2/NDF: 1837343.8/22

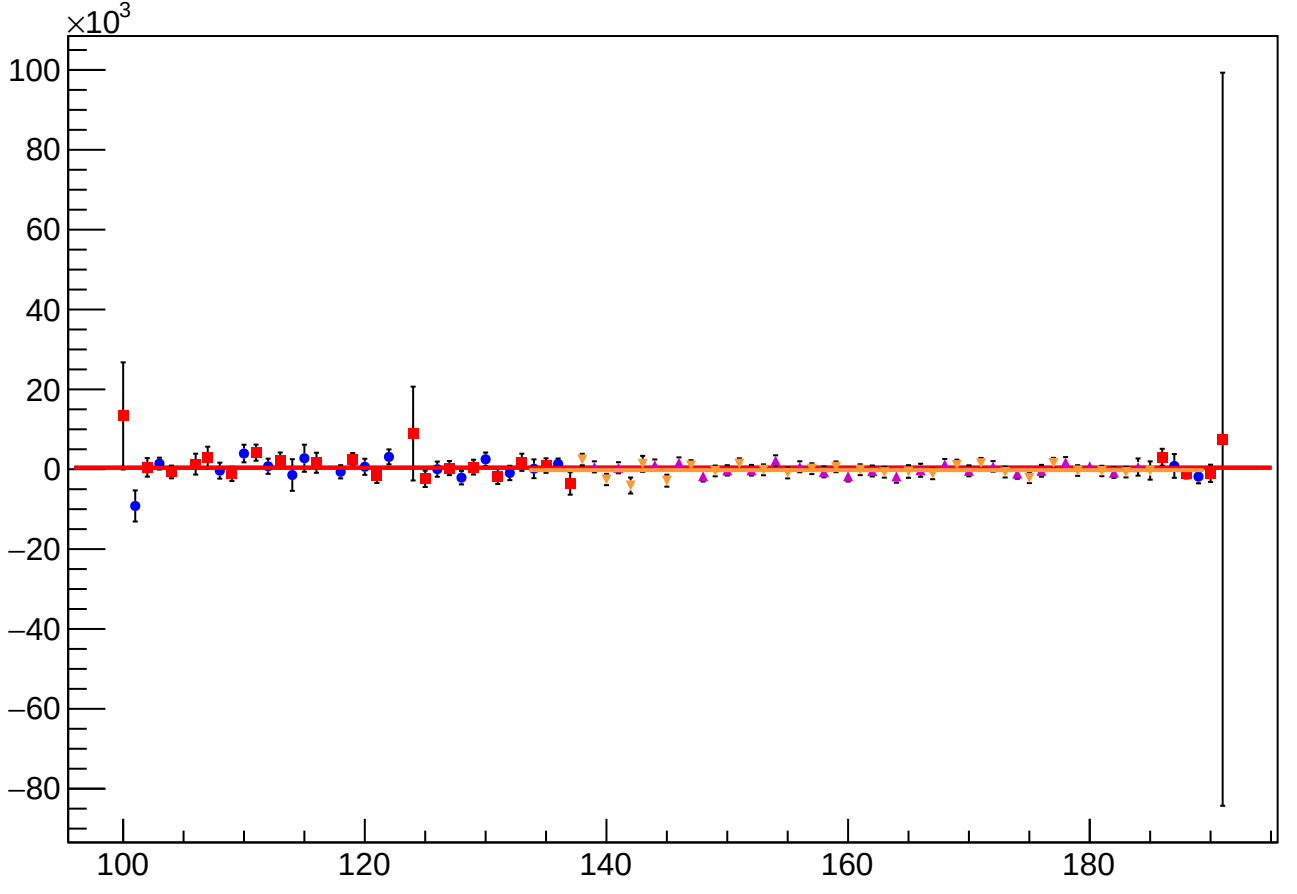
Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 636.279+/-0.091 χ^2/NDF: 5679367.4/42

All: 639.149+/-0.065 χ^2/NDF: 12022083.1/88

- sign 642.082+/-0.092 χ^2/NDF: 6340716.1/45

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: 354.801+/-434.460 χ^2/NDF: 19.8/22

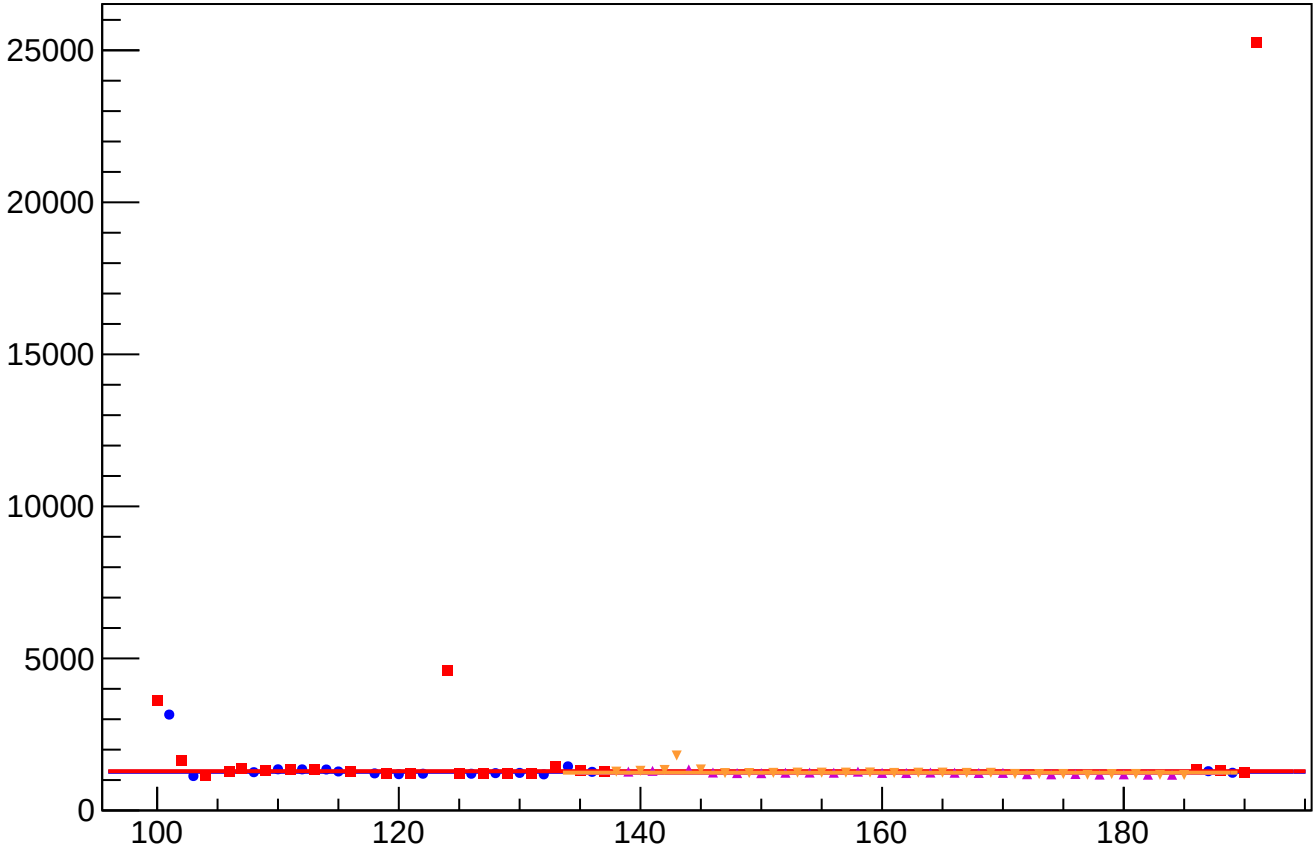
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -44.752+/-240.866 χ^2/NDF: 44.3/42

All: 64.257+/-170.073 χ^2/NDF: 79.4/88

- sign 172.639+/-240.173 χ^2/NDF: 34.7/45

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

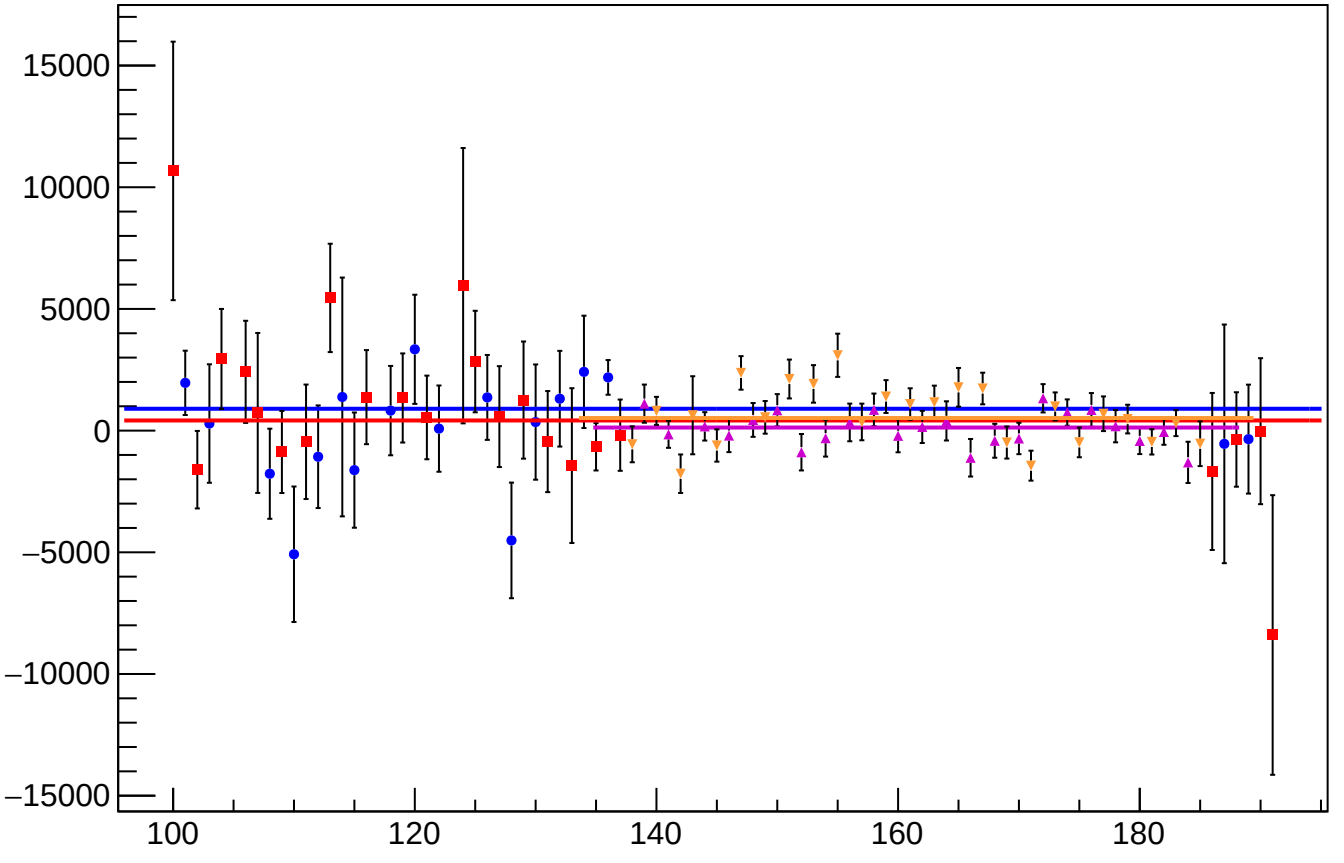
Right Out: 1291.093+/-0.307 χ^2/NDF: 473322.5/22

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1250.554+/-0.170 χ^2/NDF: 728798.1/42

All: 1250.916+/-0.120 χ^2/NDF: 1265603.1/88

- sign 1251.276+/-0.170 χ^2/NDF: 536796.0/45



Right In: 898.158+/-416.653 χ^2/NDF: 20.3/17

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

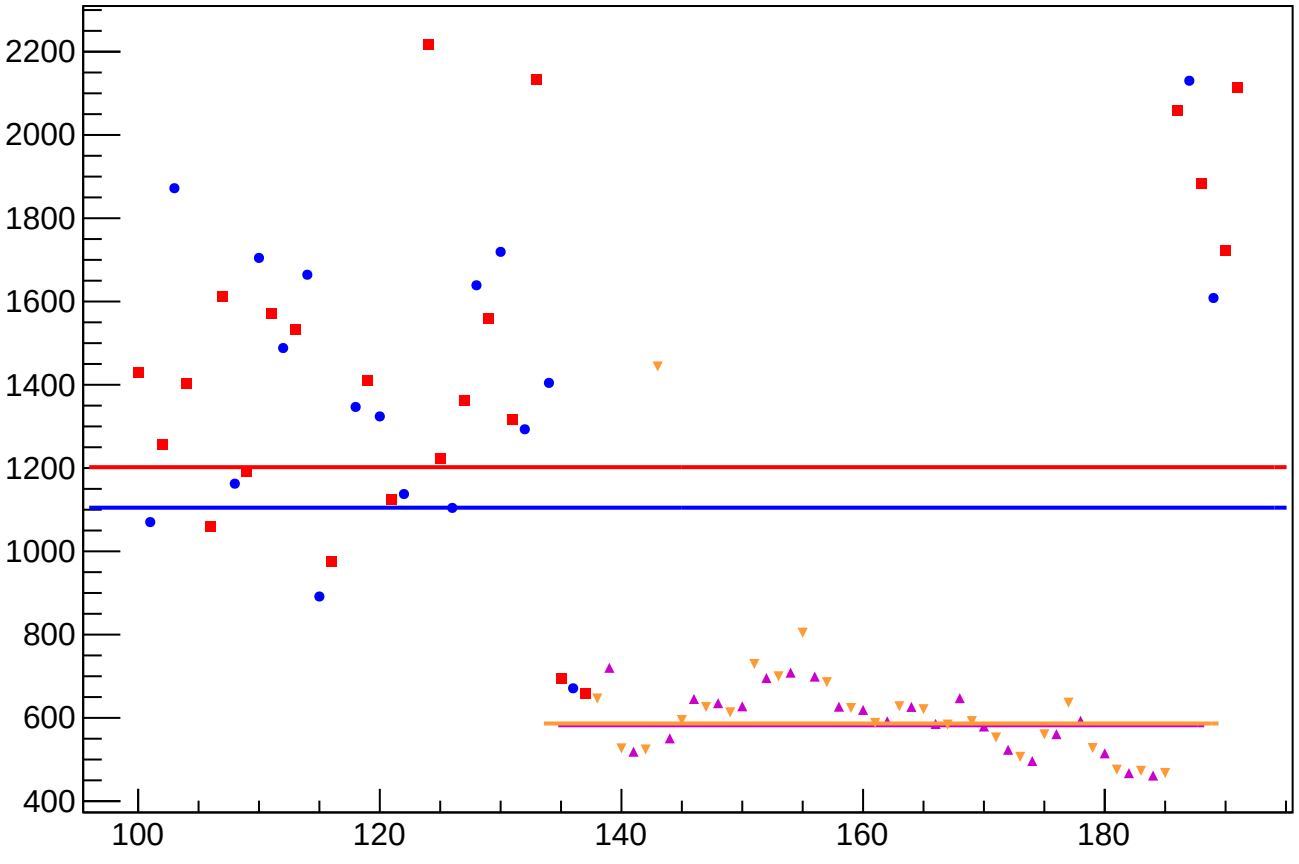
Right Out: 417.122+/-420.678 χ^2/NDF: 21.4/22

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 553.406+/-129.069 χ^2/NDF: 88.1/42

All: 356.148+/-91.766 χ^2/NDF: 136.2/88

- sign 154.510+/-130.495 χ^2/NDF: 43.4/45



Right In: 1104.872+/-0.295 χ^2/NDF: 1674845.3/17

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

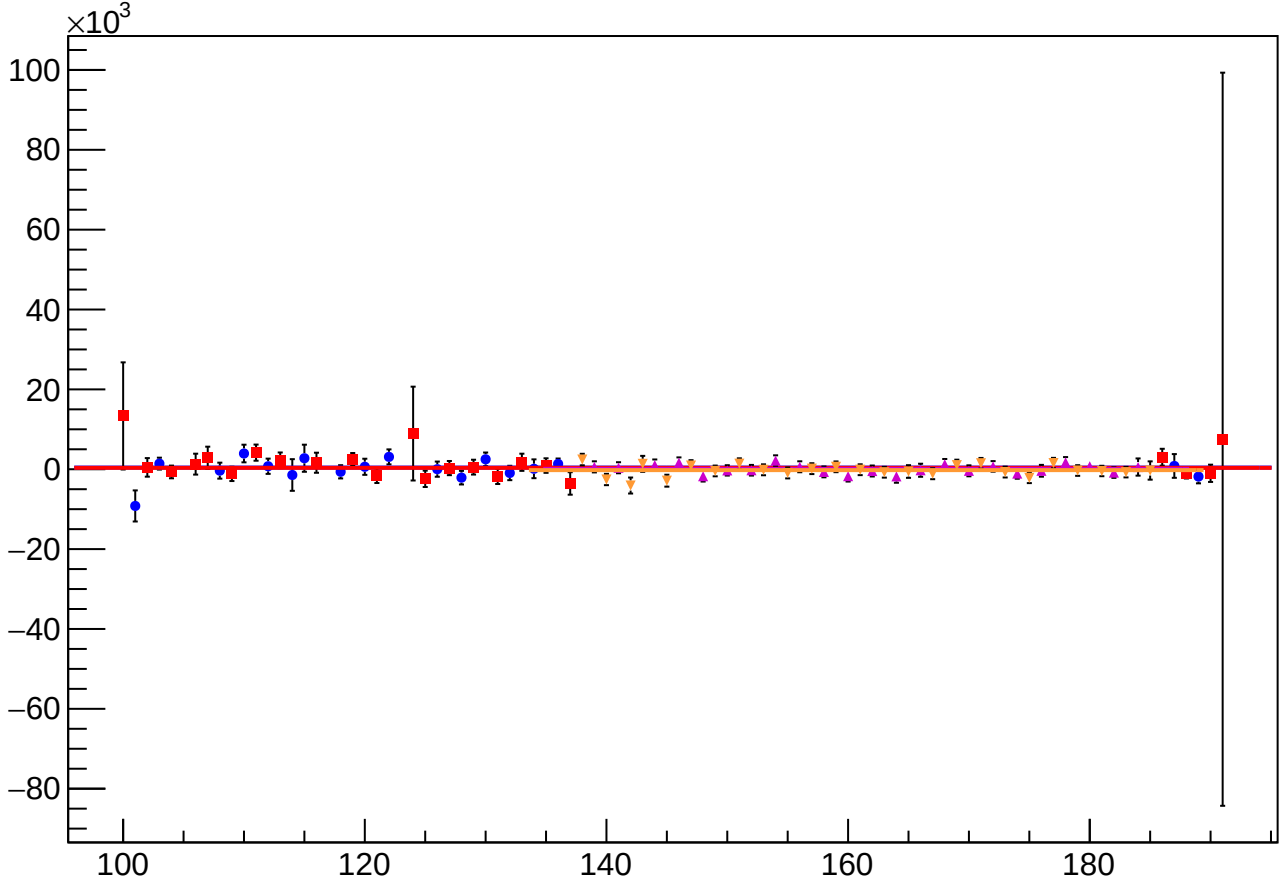
Right Out: 1202.187+/-0.297 χ^2/NDF: 1834440.2/22

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 636.300+/-0.091 χ^2/NDF: 5675667.6/42

All: 639.043+/-0.065 χ^2/NDF: 11997390.0/88

- sign 641.848+/-0.092 χ^2/NDF: 6319895.2/45



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: 354.801+/-434.460 χ^2/NDF: 19.8/22

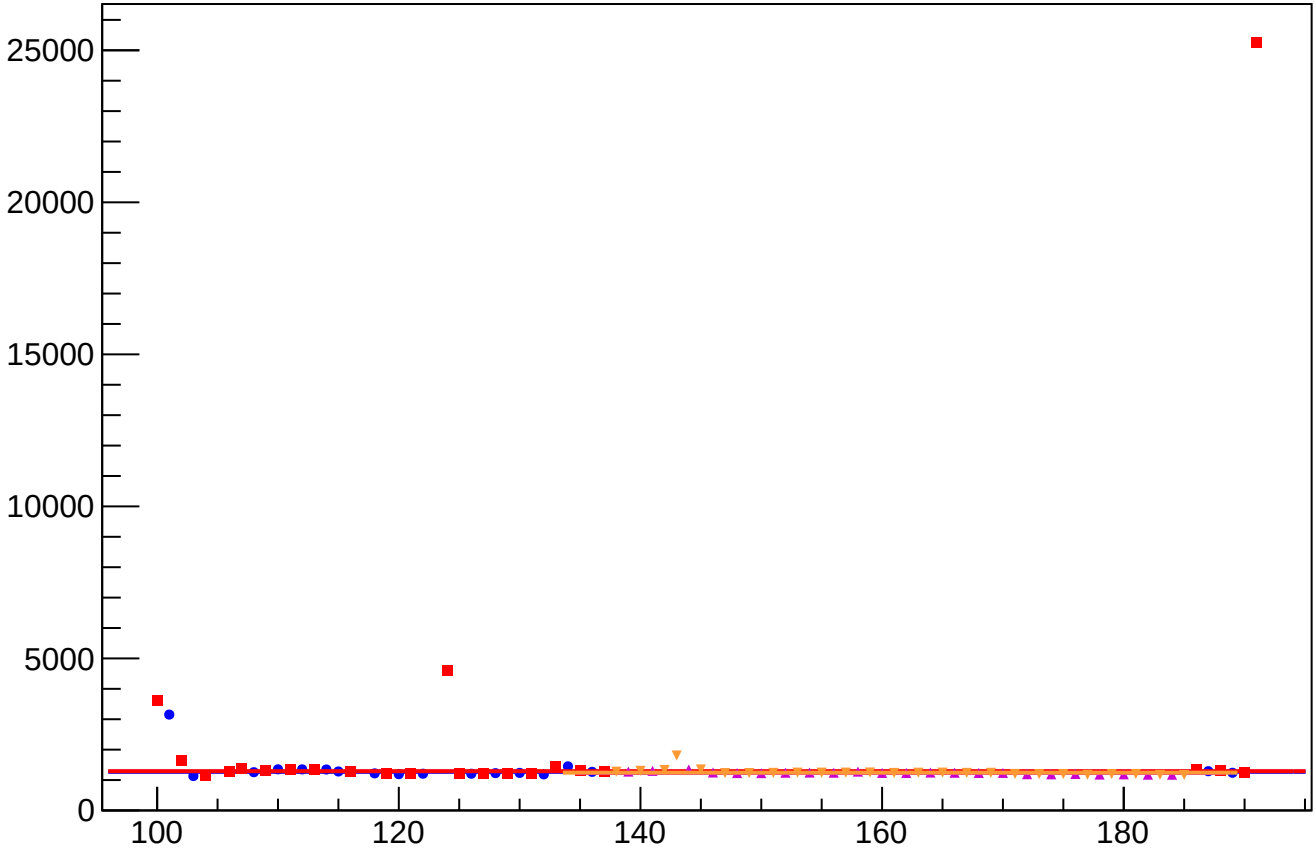
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -44.752+/-240.866 χ^2/NDF: 44.3/42

All: 64.257+/-170.073 χ^2/NDF: 79.4/88

- sign 172.639+/-240.173 χ^2/NDF: 34.7/45

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

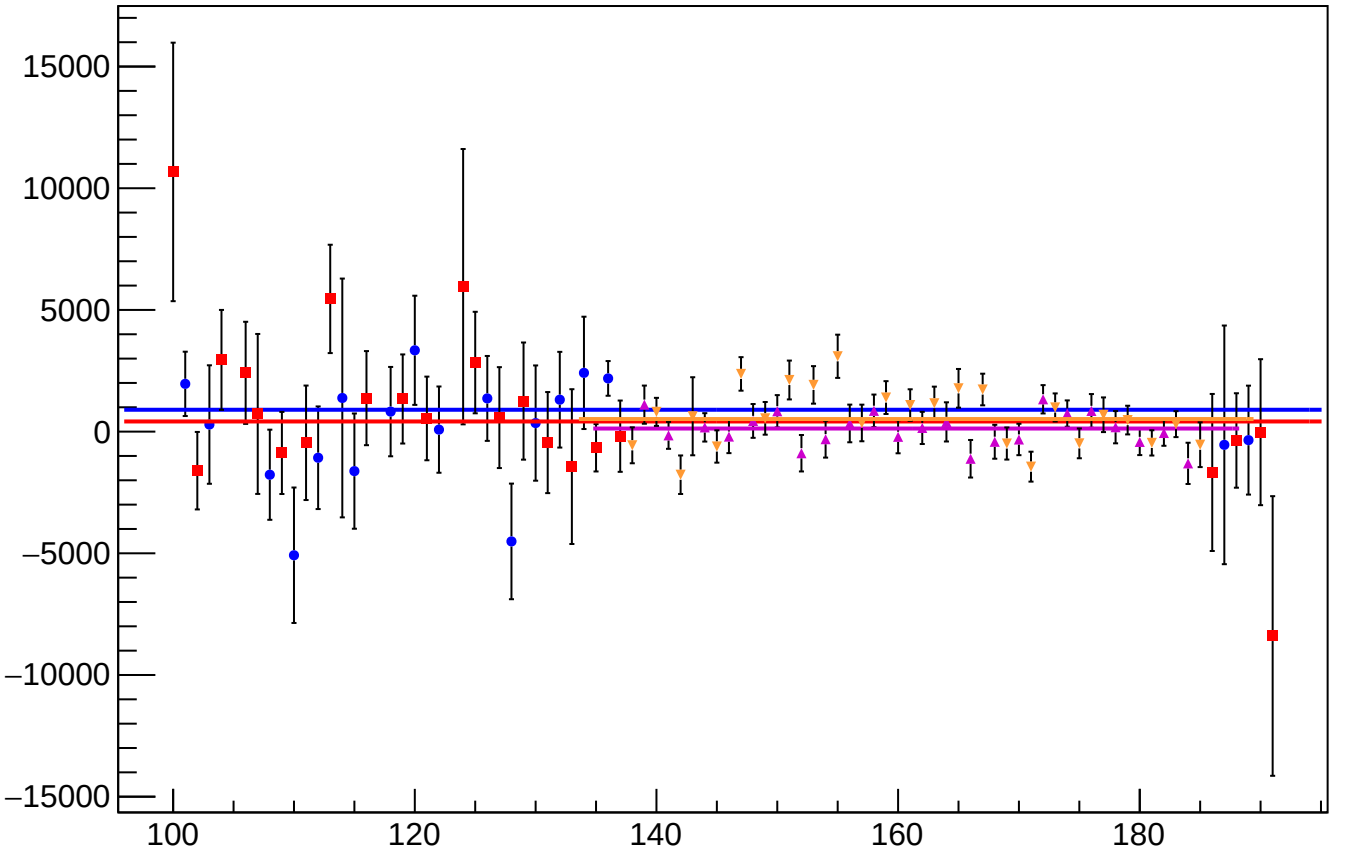
Right Out: 1291.093+/-0.307 χ^2/NDF: 473322.5/22

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1250.554+/-0.170 χ^2/NDF: 728798.1/42

All: 1250.916+/-0.120 χ^2/NDF: 1265603.1/88

- sign 1251.276+/-0.170 χ^2/NDF: 536796.0/45



Right In: 898.158+/-416.653 χ^2/NDF: 20.3/17

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

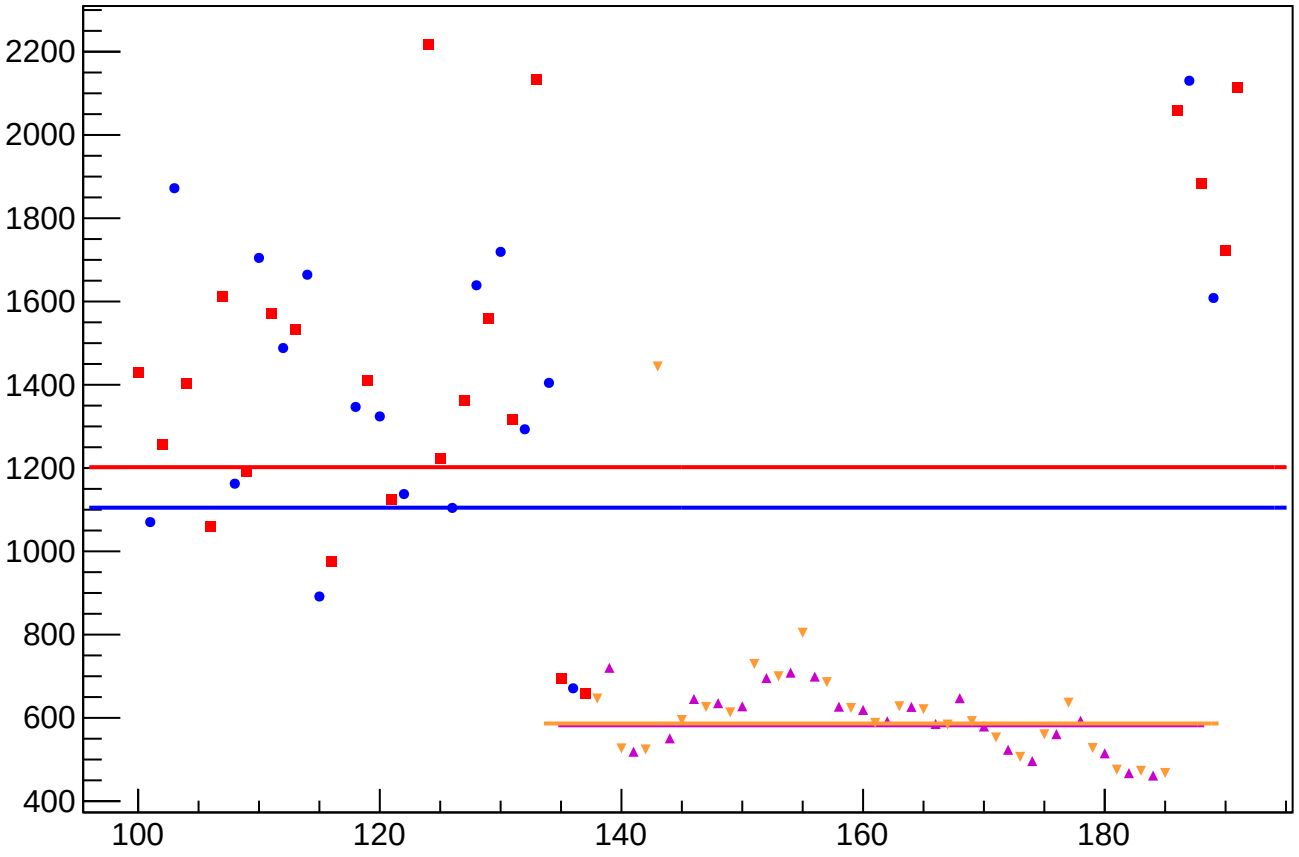
Right Out: 417.122+/-420.678 χ^2/NDF: 21.4/22

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 553.406+/-129.069 χ^2/NDF: 88.1/42

All: 356.148+/-91.766 χ^2/NDF: 136.2/88

- sign 154.510+/-130.495 χ^2/NDF: 43.4/45



Right In: 1104.872+/-0.295 χ^2/NDF: 1674845.3/17

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

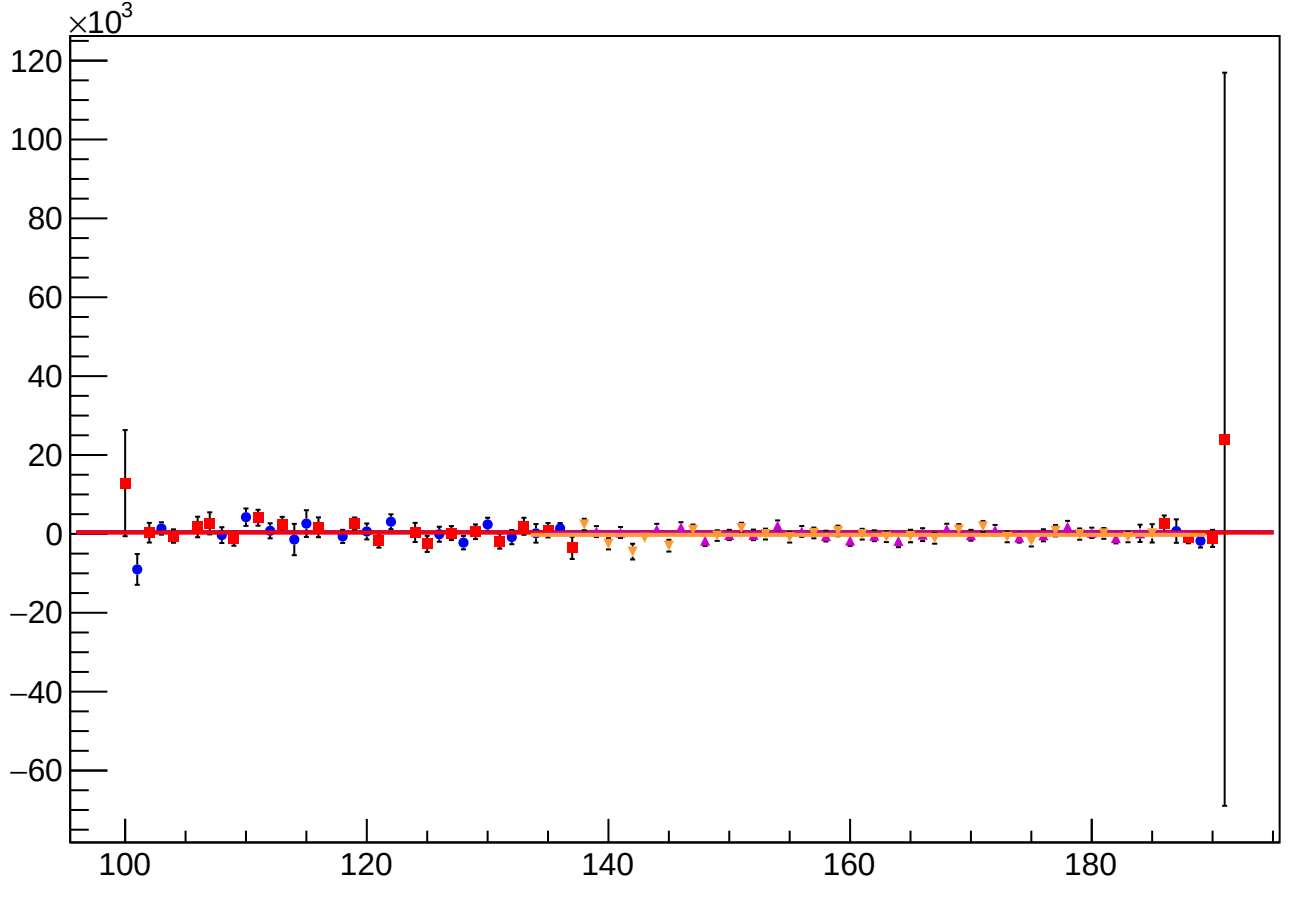
Right Out: 1202.187+/-0.297 χ^2/NDF: 1834440.2/22

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 636.300+/-0.091 χ^2/NDF: 5675667.6/42

All: 639.043+/-0.065 χ^2/NDF: 11997390.0/88

- sign 641.848+/-0.092 χ^2/NDF: 6319895.2/45



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: 338.070+/-431.294 χ^2/NDF: 19.4/22

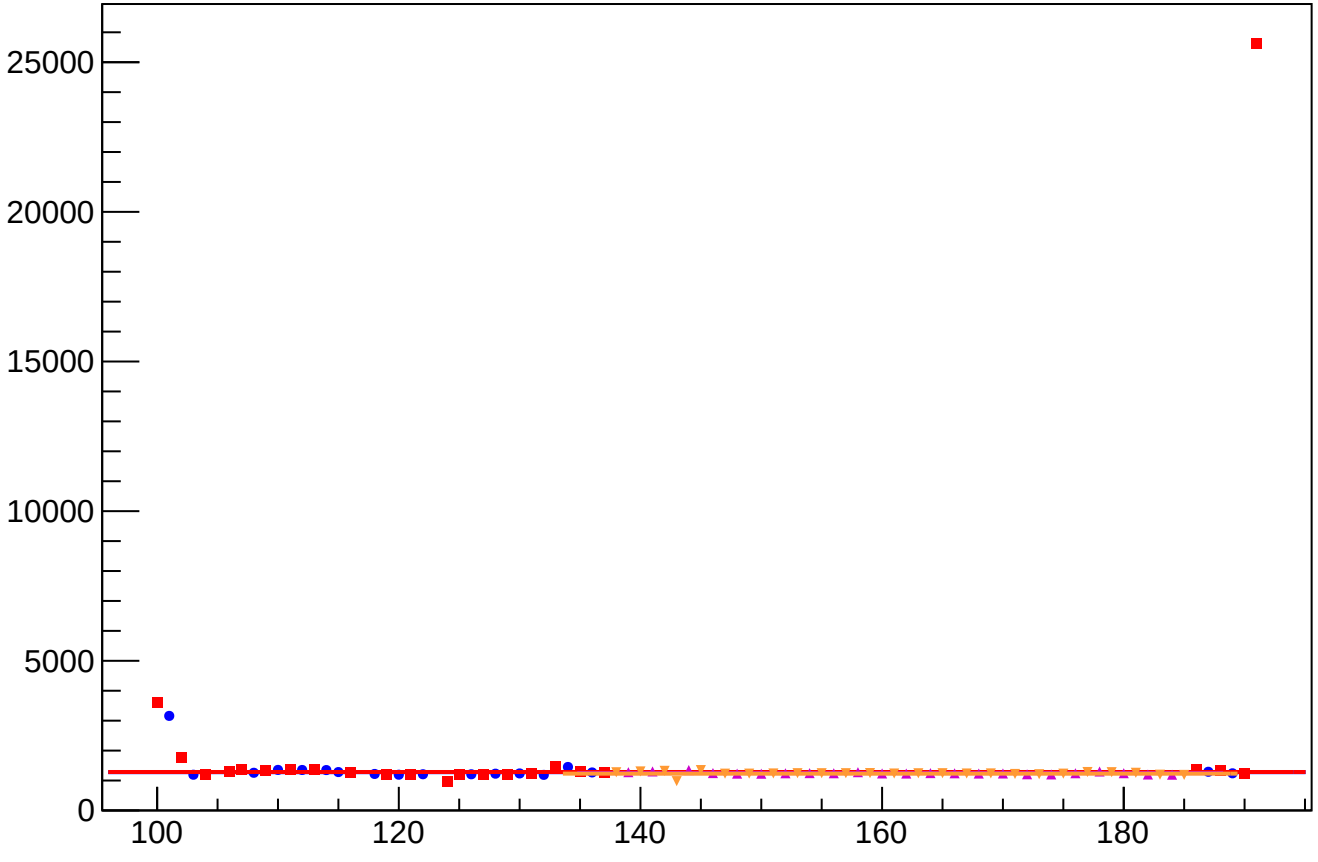
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -70.039+/-239.303 χ^2/NDF: 44.5/42

All: 42.643+/-169.980 χ^2/NDF: 78.6/88

- sign 157.392+/-241.488 χ^2/NDF: 33.6/45

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: 1285.133+/-0.305 χ^2/NDF: 367809.6/22

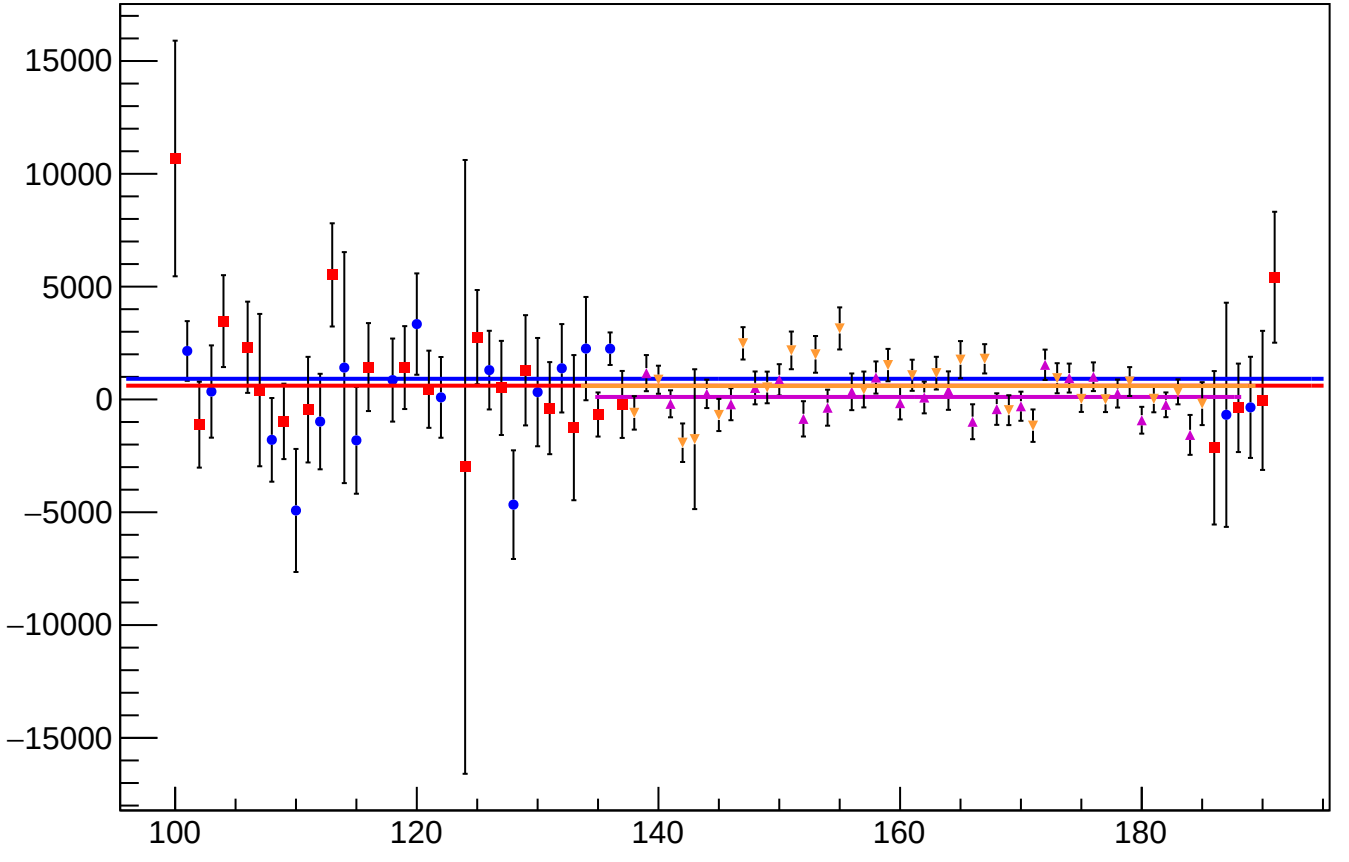
Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

+ sign 1243.098+/-0.169 χ^2/NDF: 666058.9/42

All: 1251.221+/-0.120 χ^2/NDF: 1076156.7/88

- sign 1259.494+/-0.171 χ^2/NDF: 405445.9/45

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: 610.188+/-424.130 χ^2/NDF: 20.8/22

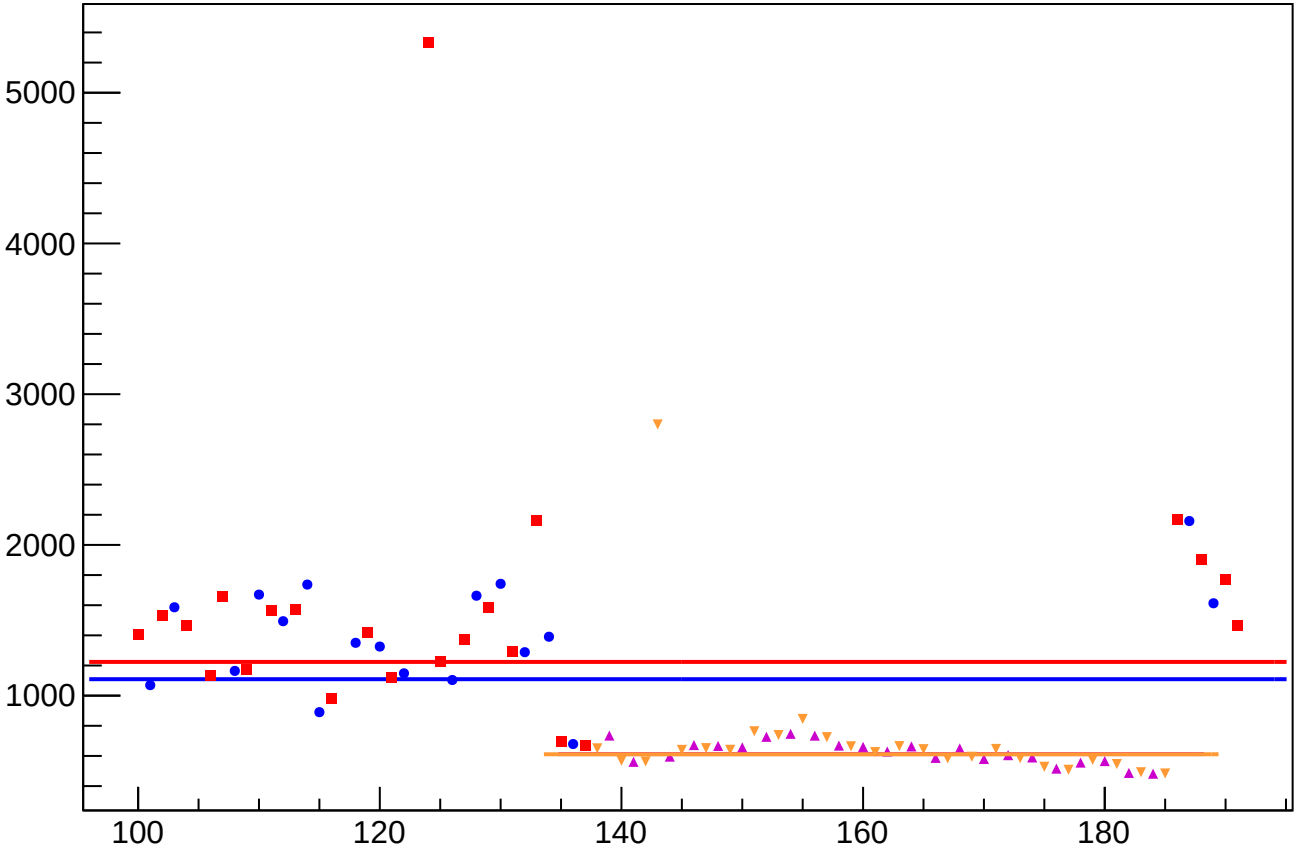
Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

\+ sign 628.411+/-134.507 χ^2/NDF: 78.7/42

All: 398.761+/-95.826 χ^2/NDF: 132.4/88

\- sign 162.074+/-136.552 χ^2/NDF: 47.8/45

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: 1223.781+/-0.300 χ^2/NDF: 2006413.3/22

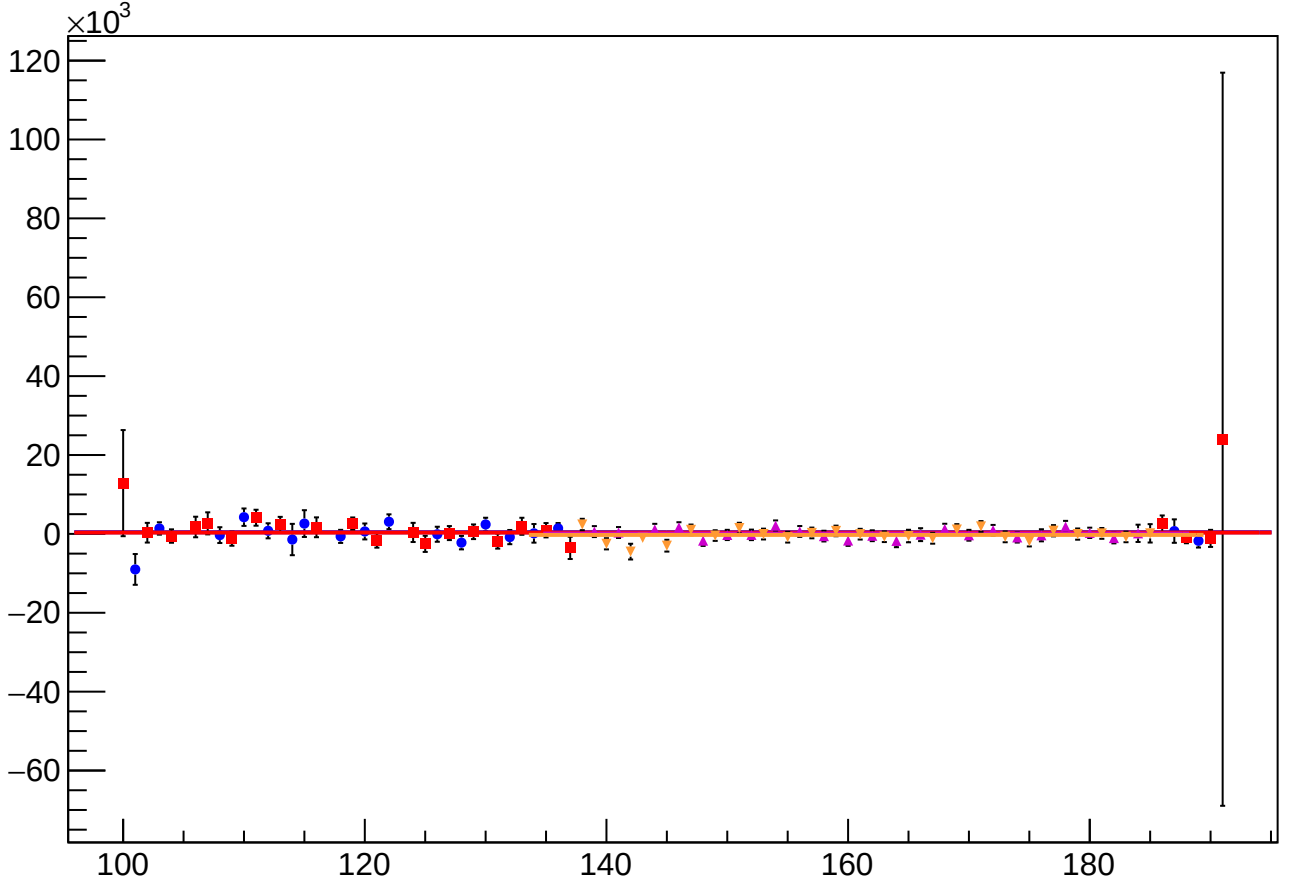
Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

+ sign 663.083+/-0.095 χ^2/NDF: 5741098.1/42

All: 669.332+/-0.068 χ^2/NDF: 11989911.2/88

- sign 675.773+/-0.097 χ^2/NDF: 6240046.1/45

eigen_dit_asym_atl_dd_atr_dd_dd_mean vs Slug



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: 338.069+/-431.294 χ^2/NDF: 19.4/22

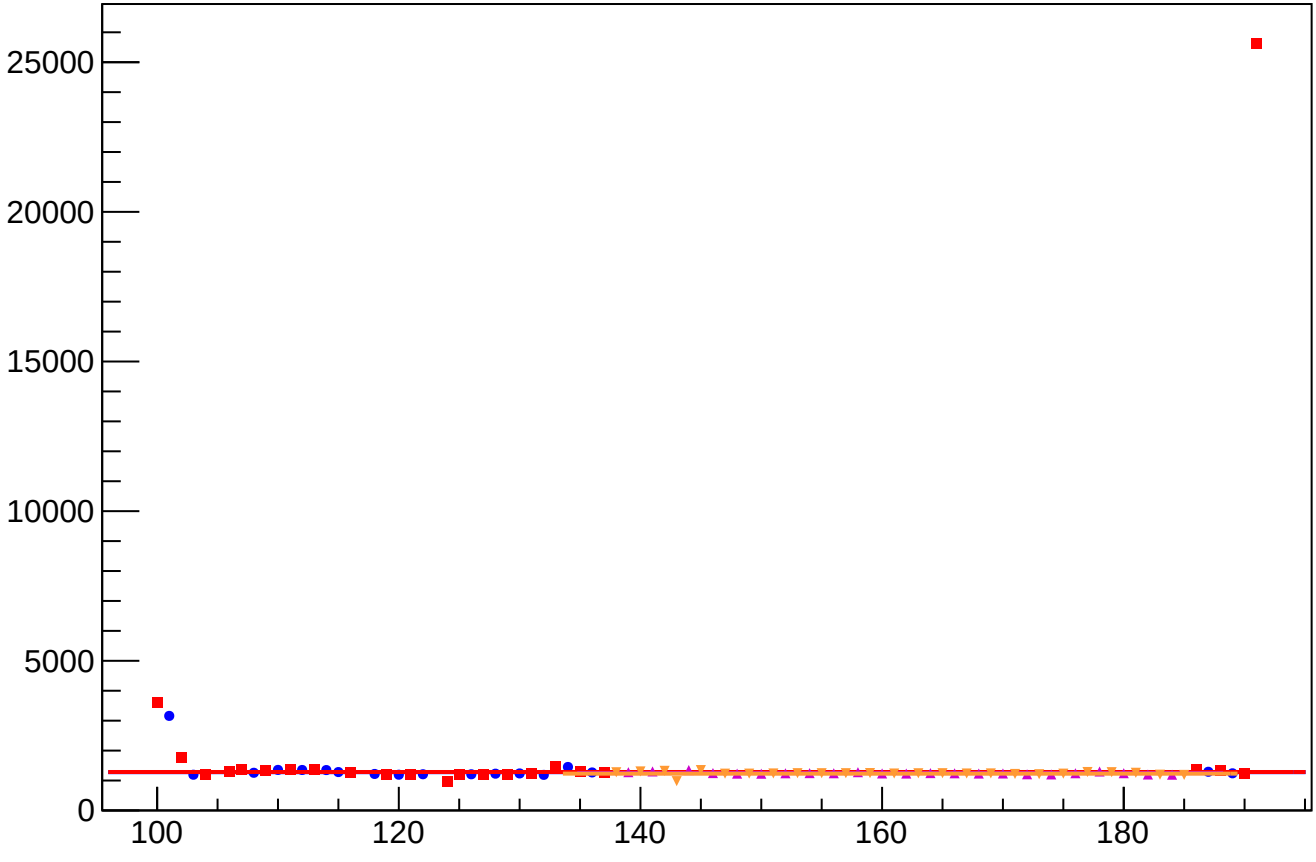
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -70.040+/-239.303 χ^2/NDF: 44.5/42

All: 42.643+/-169.980 χ^2/NDF: 78.6/88

- sign 157.392+/-241.488 χ^2/NDF: 33.6/45

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

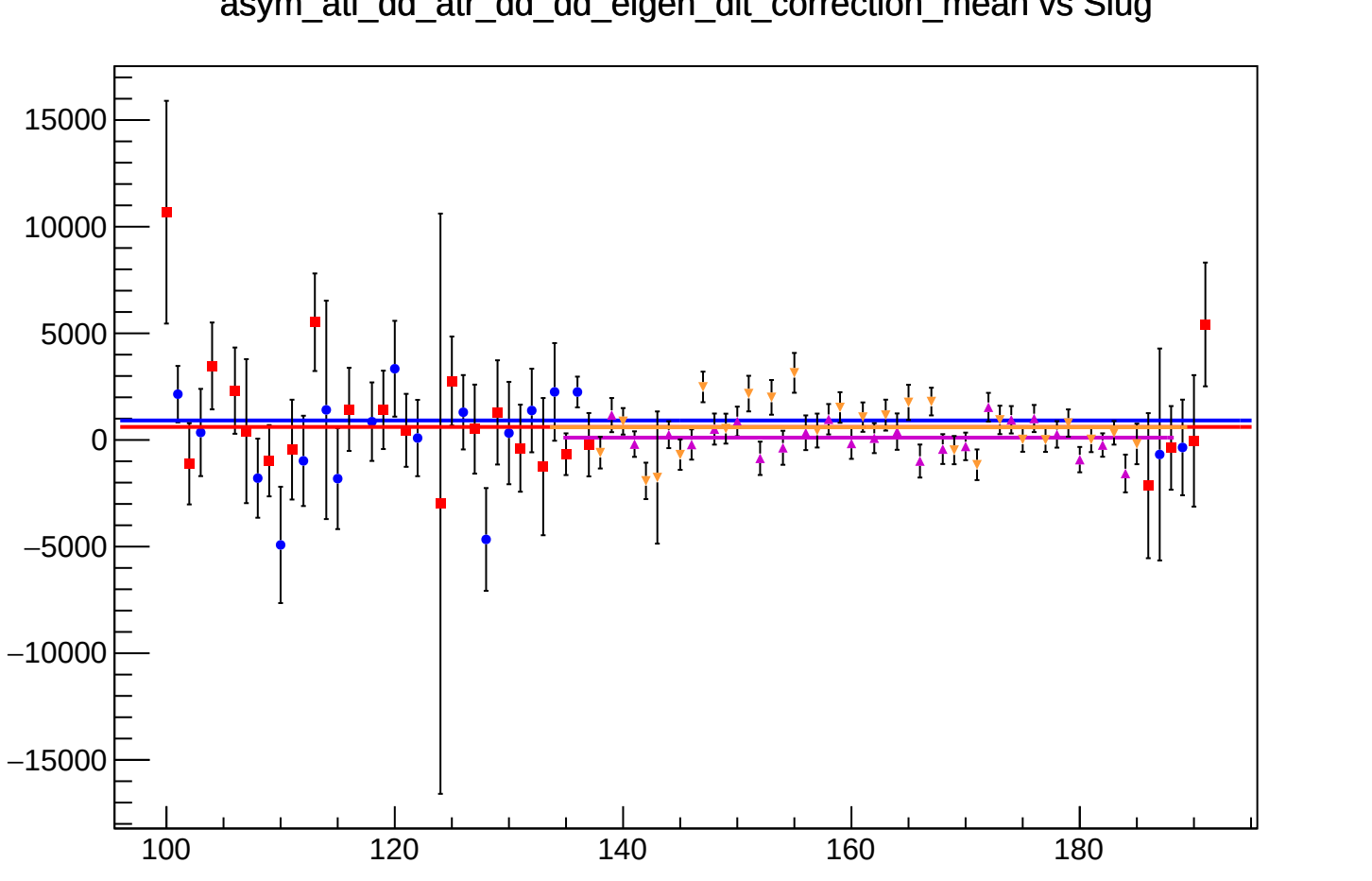
Right Out: 1285.133+/-0.305 χ^2/NDF: 367809.5/22

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1243.097+/-0.169 χ^2/NDF: 666058.1/42

All: 1251.221+/-0.120 χ^2/NDF: 1076155.8/88

- sign 1259.494+/-0.171 χ^2/NDF: 405445.8/45



Right In: 915.035+/-416.299 χ^2/NDF: 20.9/17

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

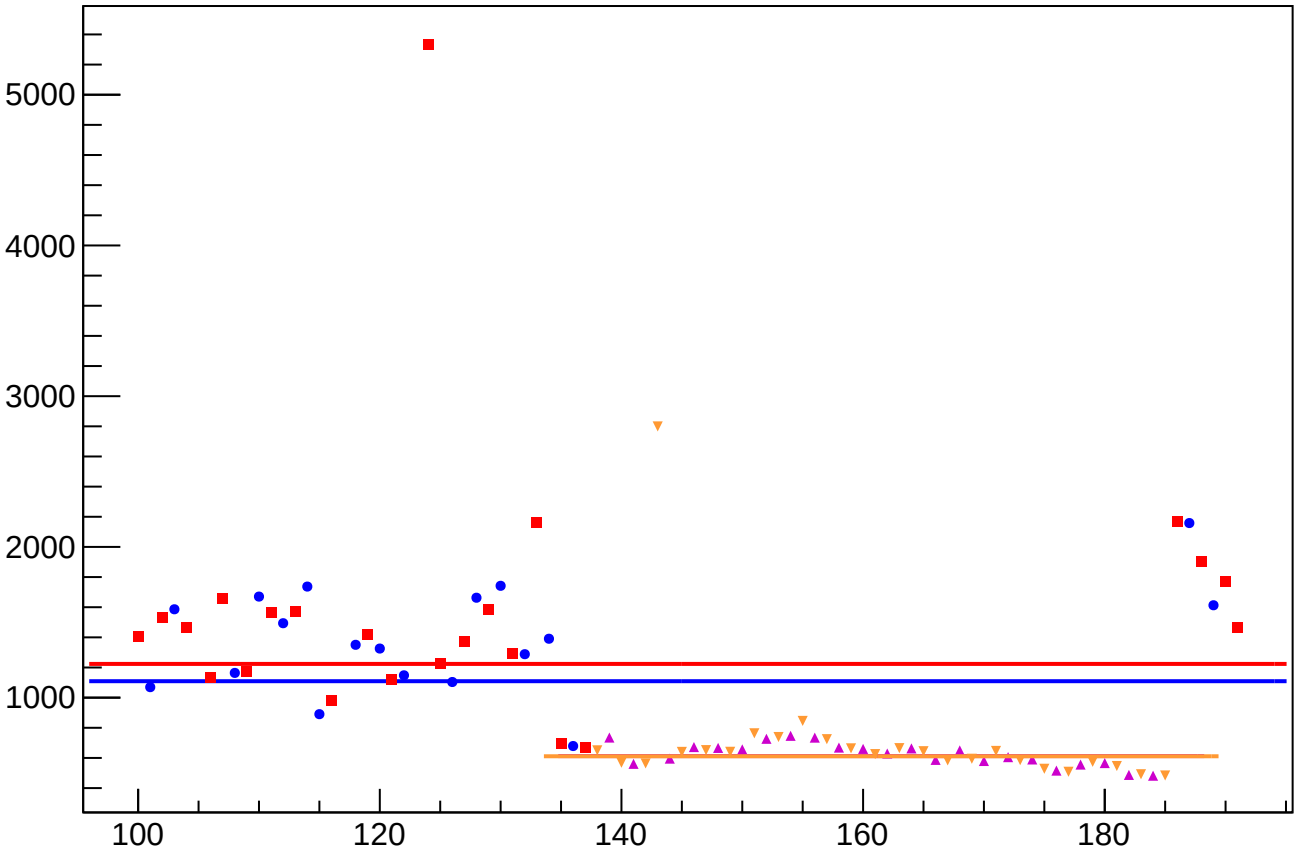
Right Out: 610.198+/-424.132 χ^2/NDF: 20.8/22

Left In: 110.251+/-144.232 χ^2/NDF:25.7/22

+ sign 628.410+/-134.507 χ^2/NDF: 78.7/42

All: 398.760+/-95.826 χ^2/NDF: 132.4/88

- sign 162.074+/-136.552 χ^2/NDF: 47.8/45



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: 1223.788+/-0.300 χ^2/NDF: 2006352.6/22

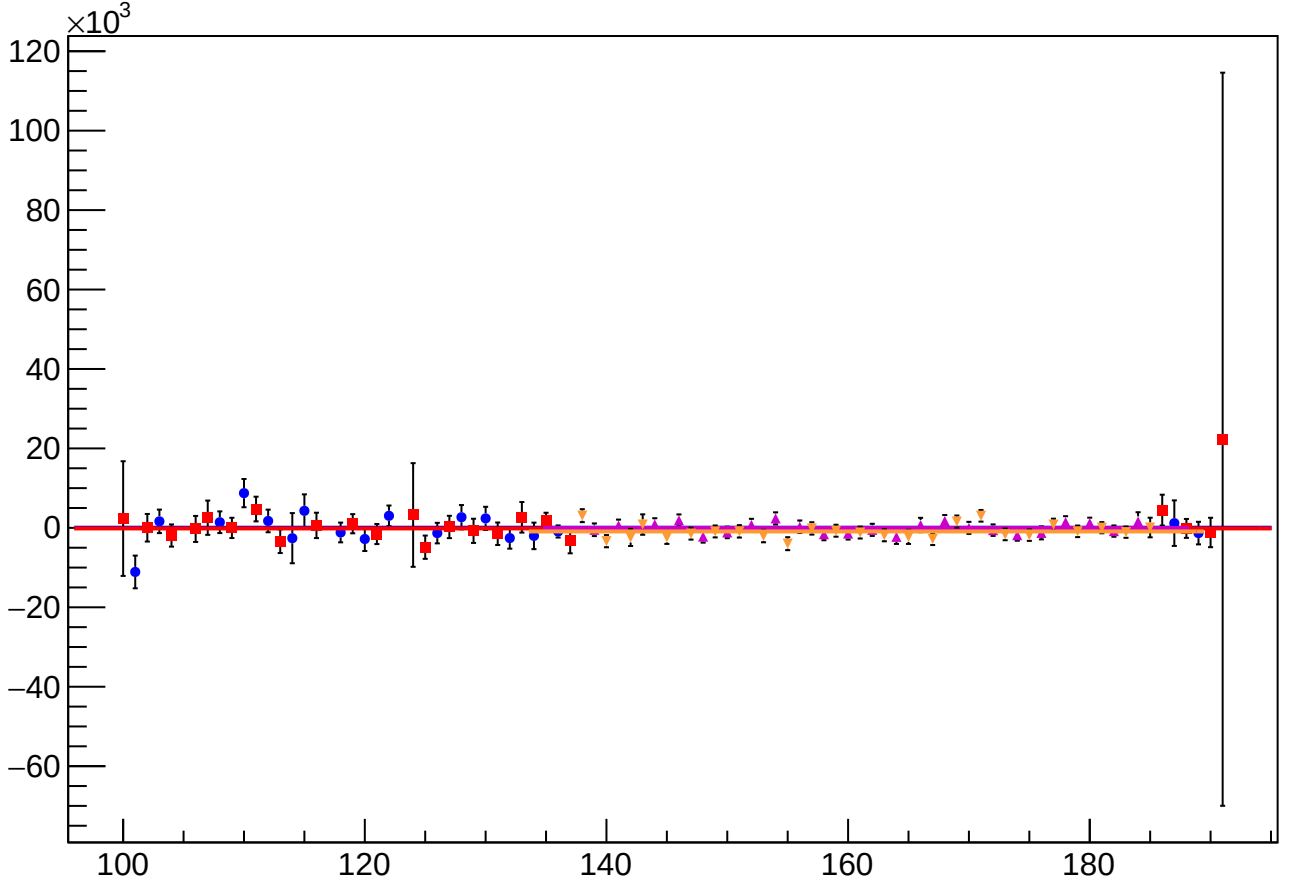
Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

+ sign 663.083+/-0.095 χ^2/NDF: 5741086.7/42

All: 669.332+/-0.068 χ^2/NDF: 11989910.1/88

- sign 675.773+/-0.097 χ^2/NDF: 6240057.1/45

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: -146.551+/-651.156 χ^2/NDF: 11.9/22

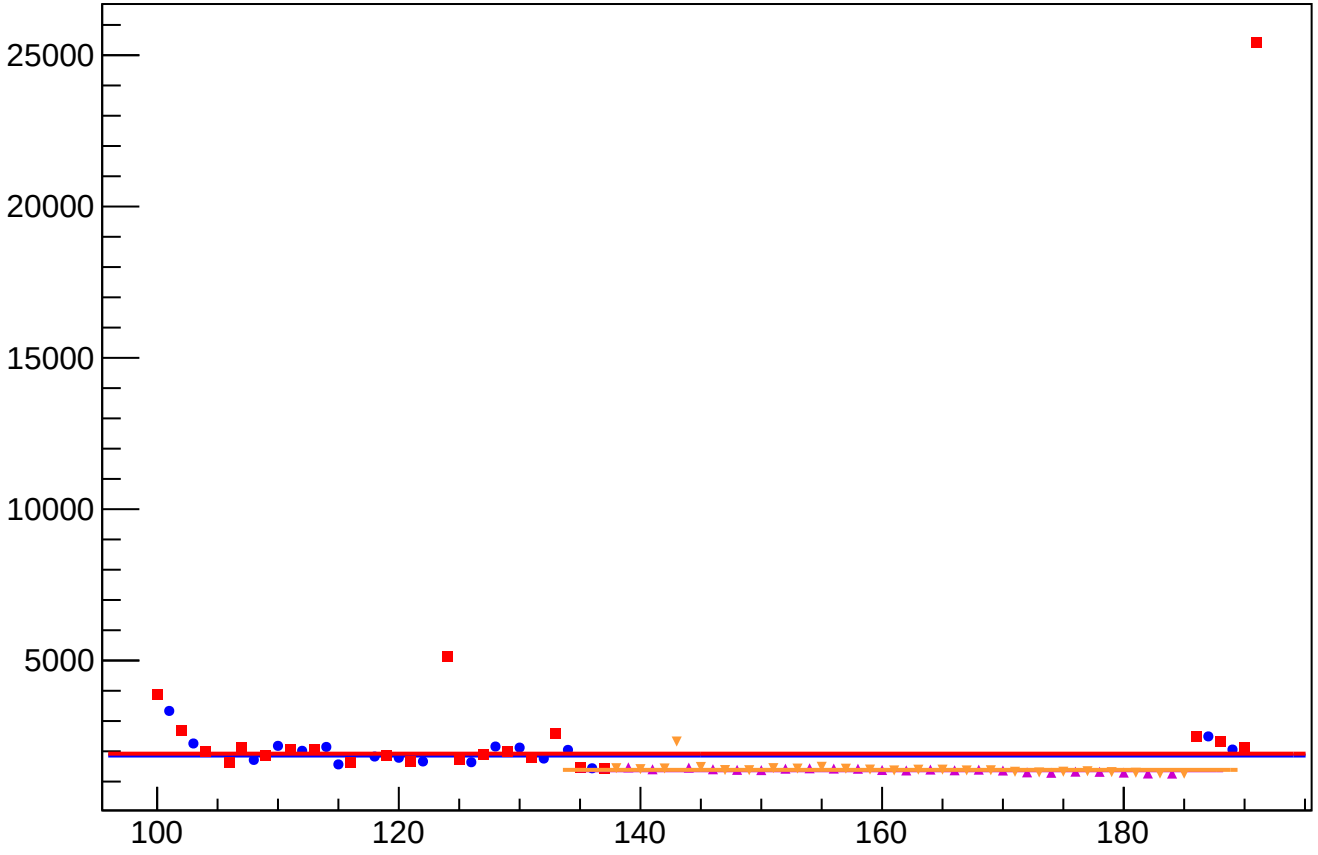
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

+ sign -730.933+/-286.453 χ^2/NDF: 53.0/42

All: -400.799+/-203.050 χ^2/NDF: 85.4/88

- sign -67.404+/-287.865 χ^2/NDF: 29.8/45

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

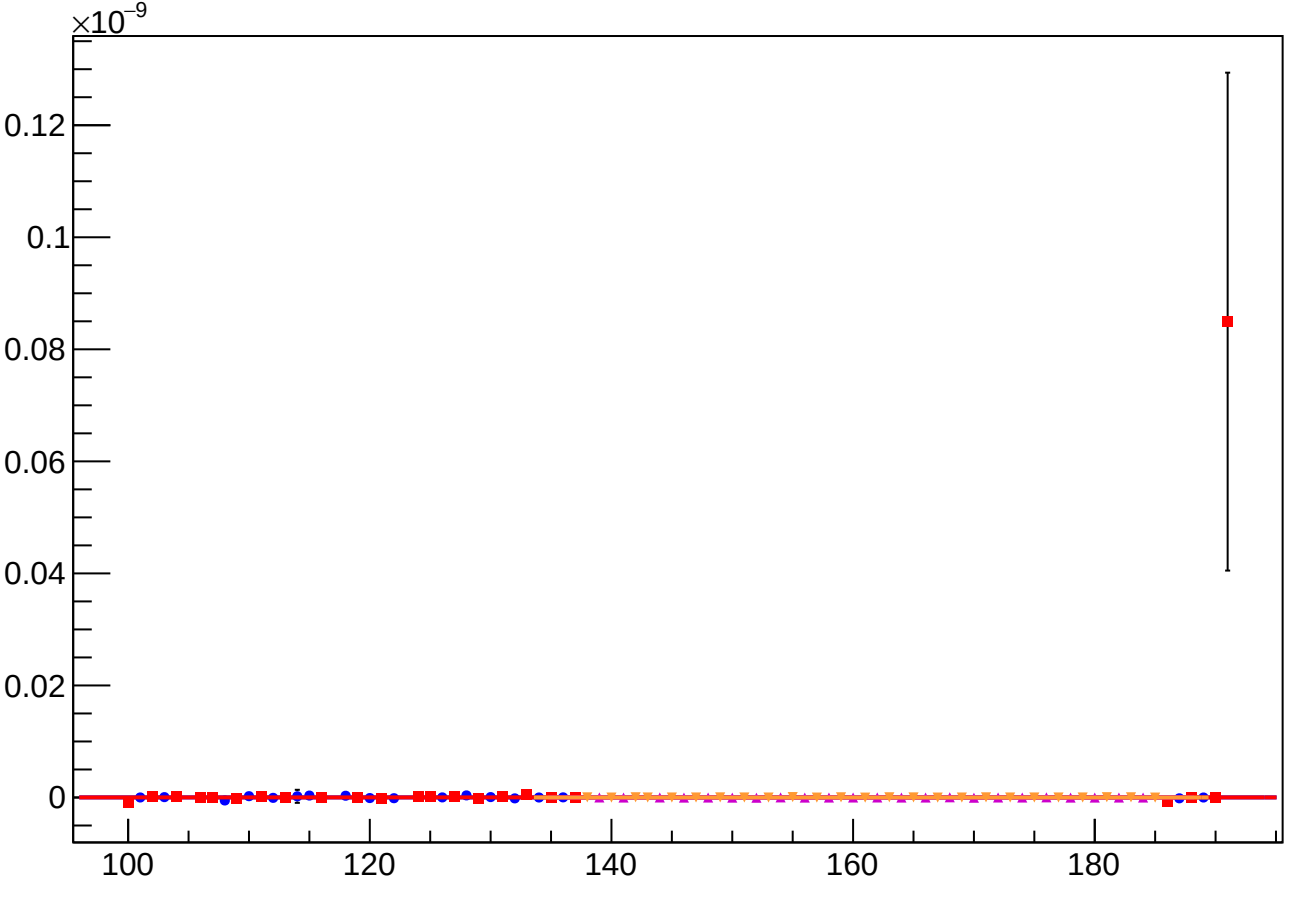
Right Out: 1922.161+/-0.460 χ^2/NDF: 774518.5/22

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1472.373+/-0.203 χ^2/NDF: 1741325.4/42

All: 1476.418+/-0.144 χ^2/NDF: 3724741.6/88

- sign 1480.503+/-0.204 χ^2/NDF: 1982614.7/45



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

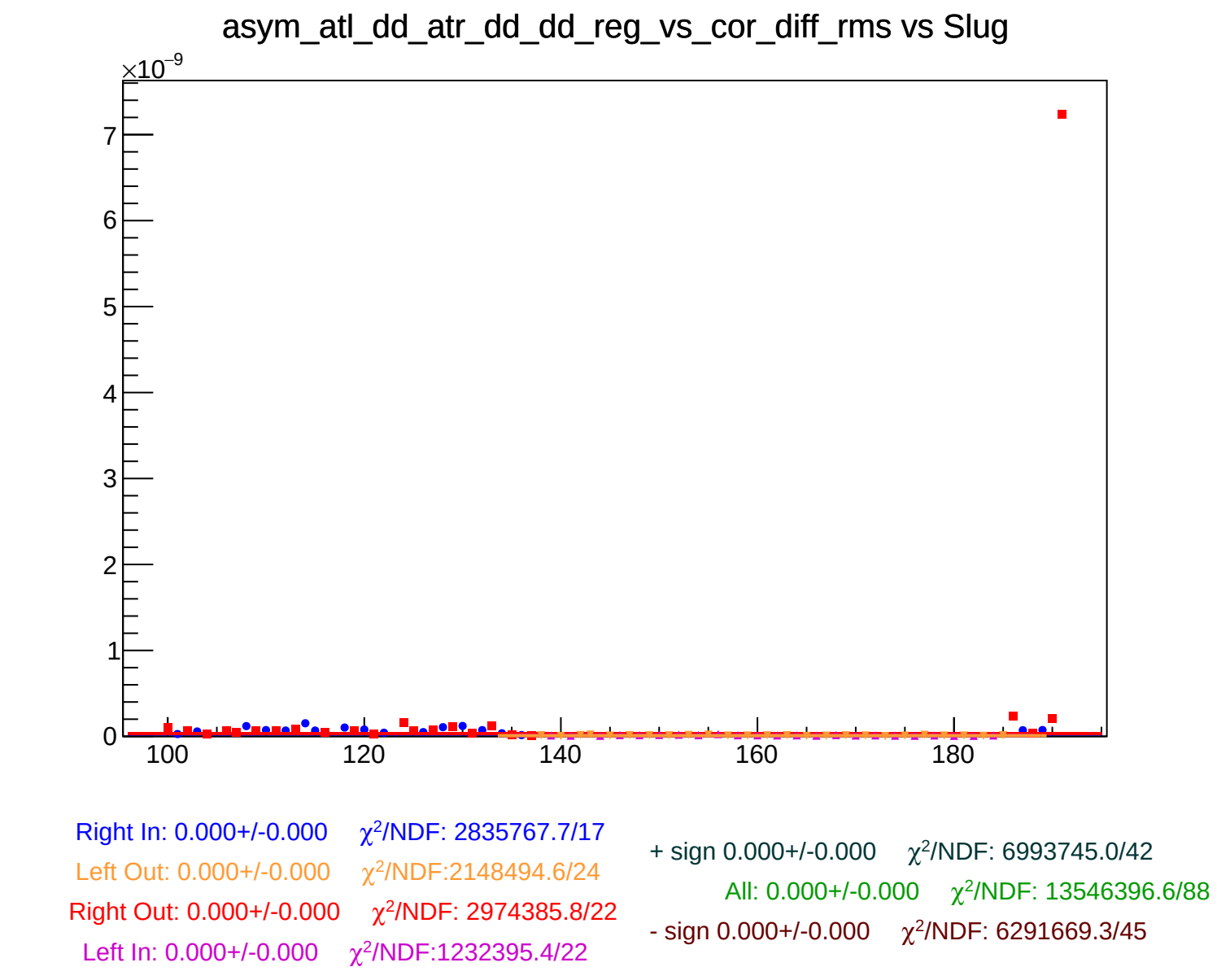
Right Out: 0.000+/-0.000 χ^2/NDF: 34.3/22

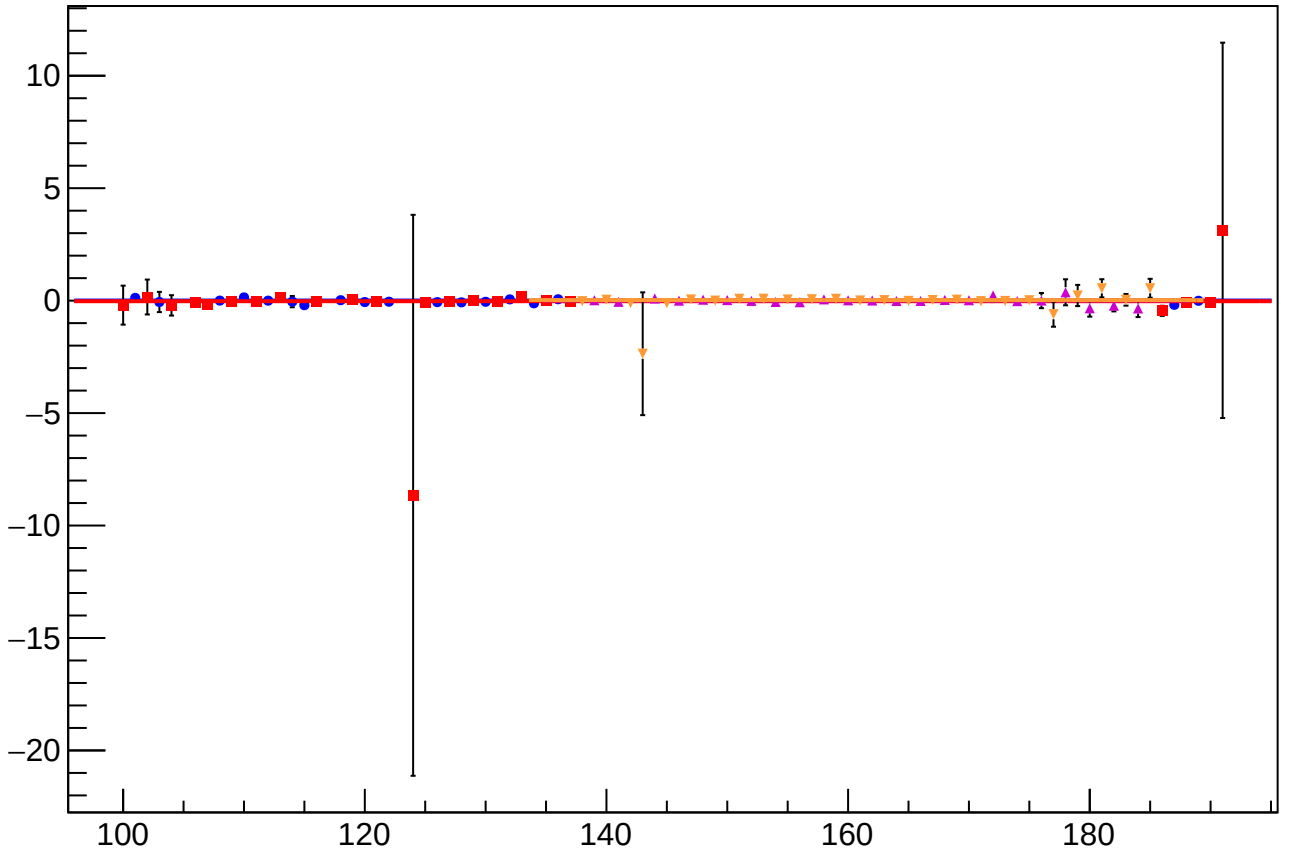
Left In: -0.000+/-0.000 χ^2/NDF:13.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 42.4/42

All: 0.000+/-0.000 χ^2/NDF: 91.7/88

- sign -0.000+/-0.000 χ^2/NDF: 48.4/45


asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
7
6
5
4
3
2
1
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 2835767.7/17
Left Out: 0.000+/-0.000 χ²/NDF:2148494.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 2974385.8/22
Left In: 0.000+/-0.000 χ²/NDF:1232395.4/22
+ sign 0.000+/-0.000 χ²/NDF: 6993745.0/42
All: 0.000+/-0.000 χ²/NDF: 13546396.6/88
- sign 0.000+/-0.000 χ²/NDF: 6291669.3/45



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: -0.025+/-0.015 χ^2/NDF: 18.9/22

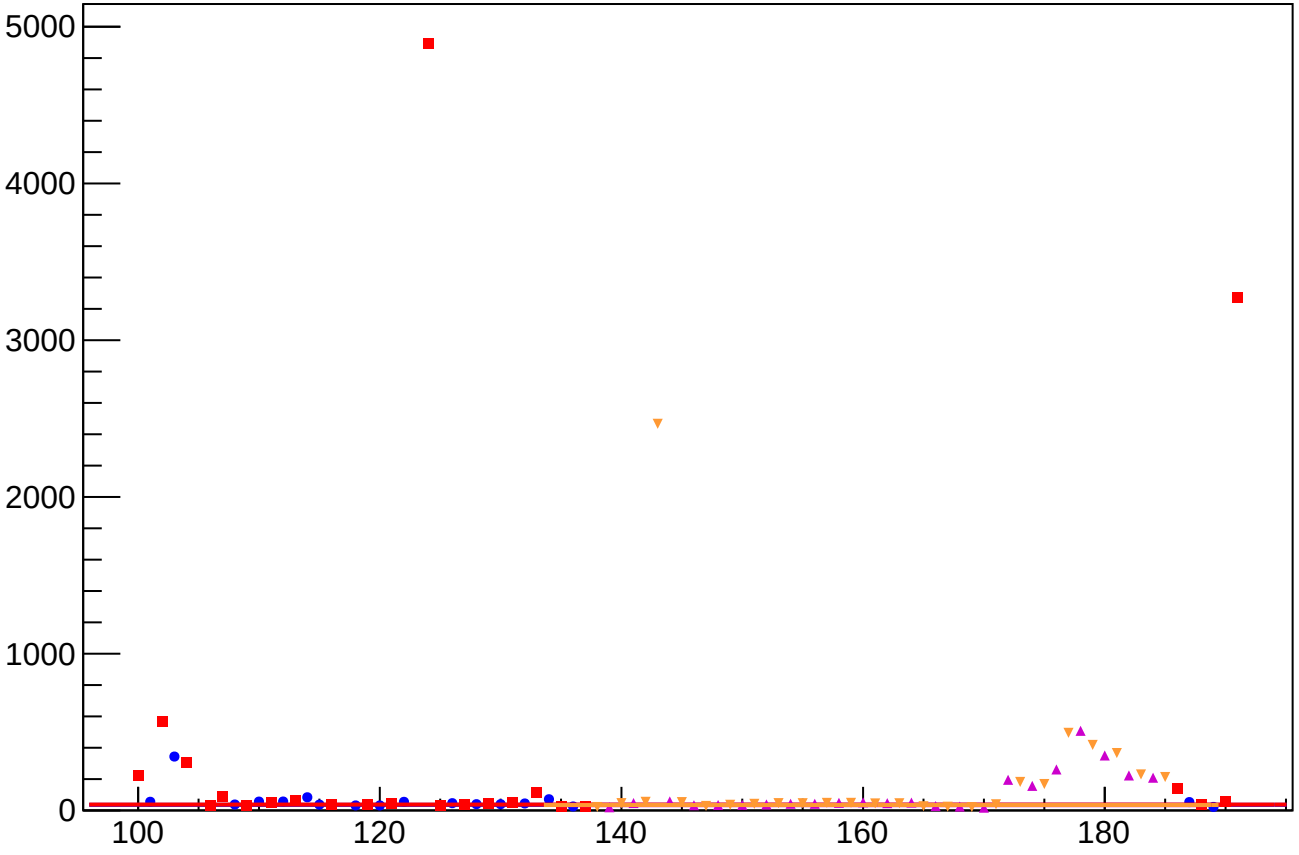
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.017+/-0.008 χ^2/NDF: 45.7/42

All: 0.008+/-0.006 χ^2/NDF: 85.3/88

- sign -0.001+/-0.008 χ^2/NDF: 37.4/45

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

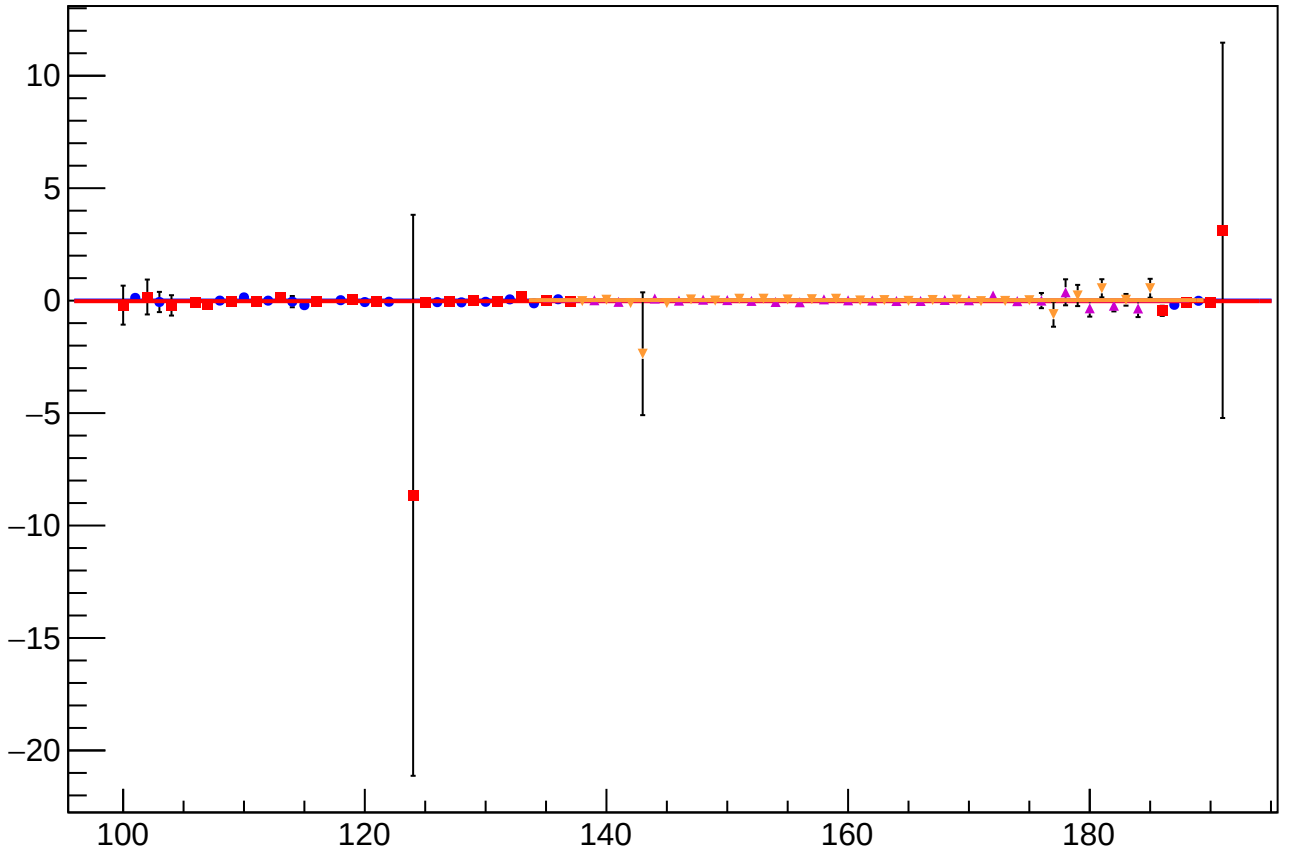
Right Out: 37.613+/-0.011 χ^2/NDF: 4009545.5/22

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

\+ sign 34.986+/-0.006 χ^2/NDF: 13663706.3/42

All: 34.891+/-0.004 χ^2/NDF: 27839356.4/88

\- sign 34.798+/-0.006 χ^2/NDF: 14175142.3/45



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: -0.025+/-0.015 χ^2/NDF: 18.9/22

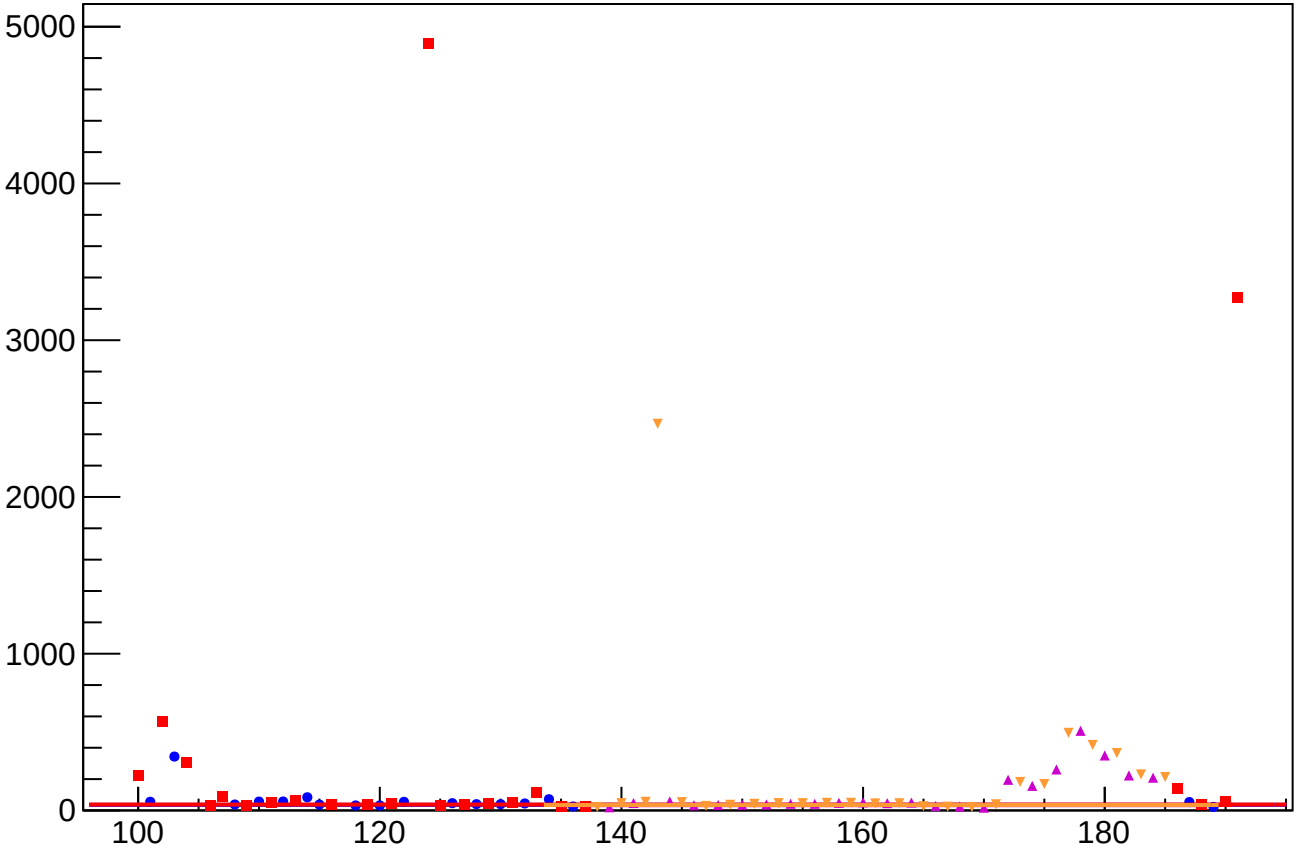
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.017+/-0.008 χ^2/NDF: 45.7/42

All: 0.008+/-0.006 χ^2/NDF: 85.3/88

- sign -0.001+/-0.008 χ^2/NDF: 37.4/45

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

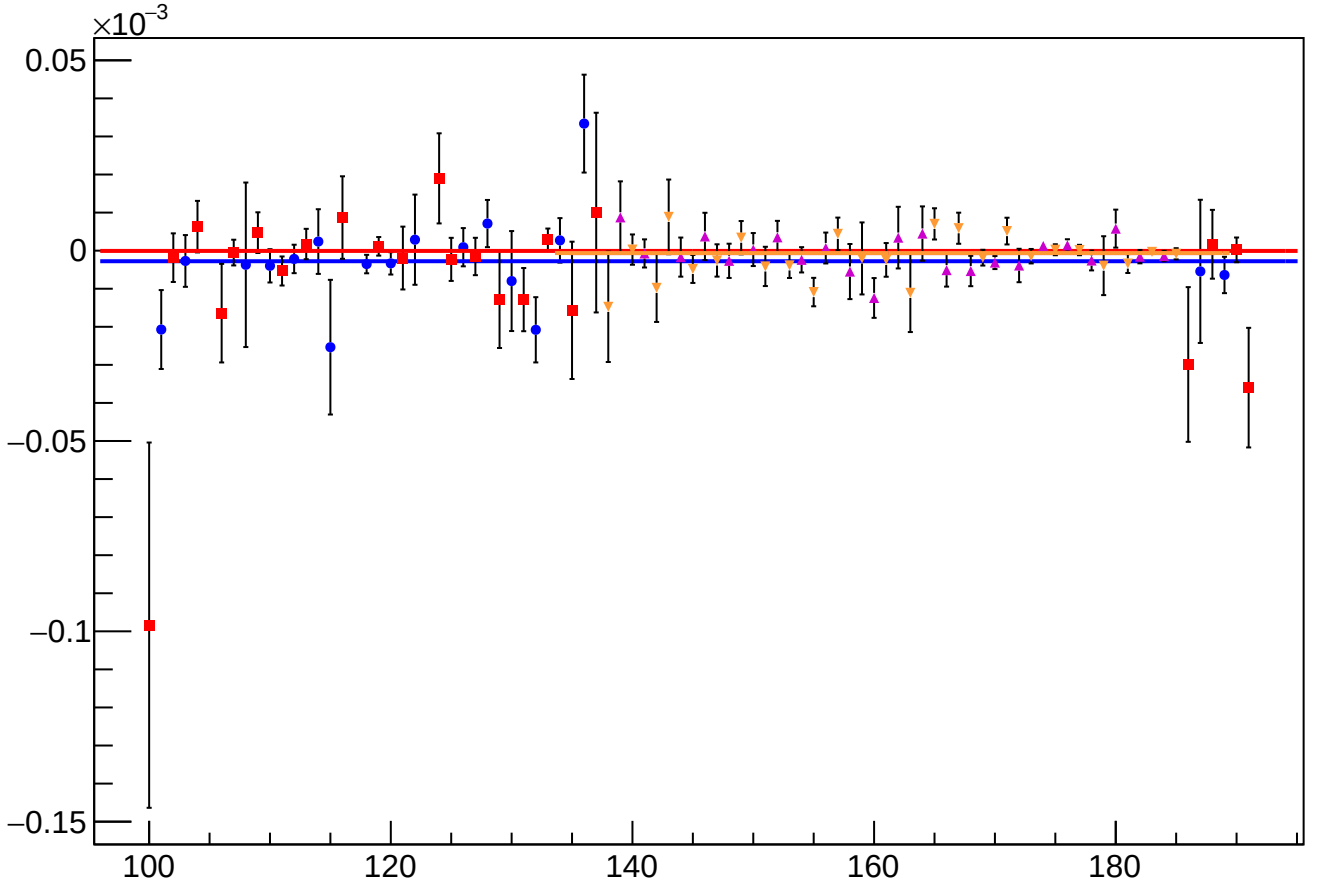
Right Out: 37.613+/-0.011 χ^2/NDF: 4009545.5/22

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

\+ sign 34.986+/-0.006 χ^2/NDF: 13663706.3/42

All: 34.891+/-0.004 χ^2/NDF: 27839356.4/88

\- sign 34.798+/-0.006 χ^2/NDF: 14175142.3/45



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: 26.3/22

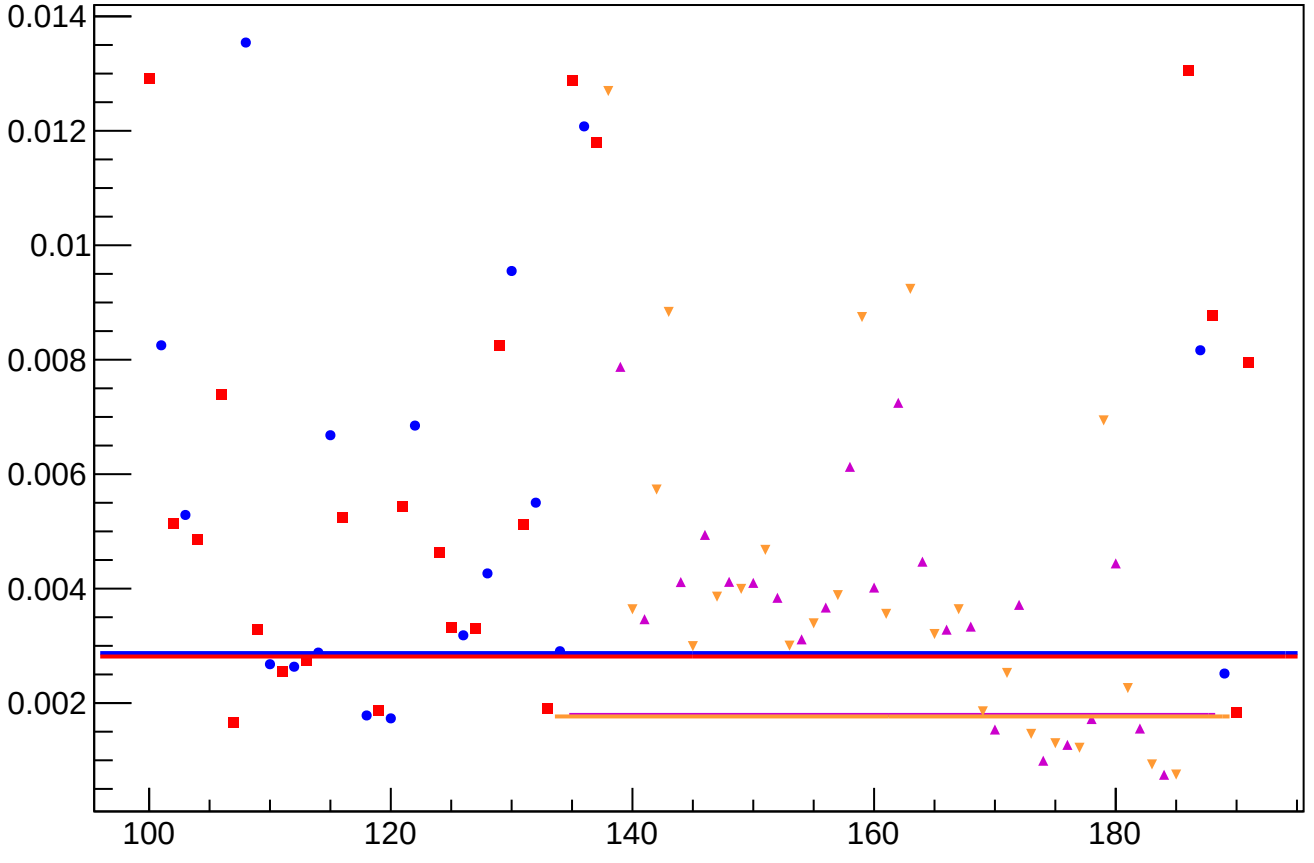
Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 53.4/42

All: -0.000+/-0.000 χ^2/NDF: 102.2/88

- sign -0.000+/-0.000 χ^2/NDF: 48.5/45

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 4321613.8/17

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

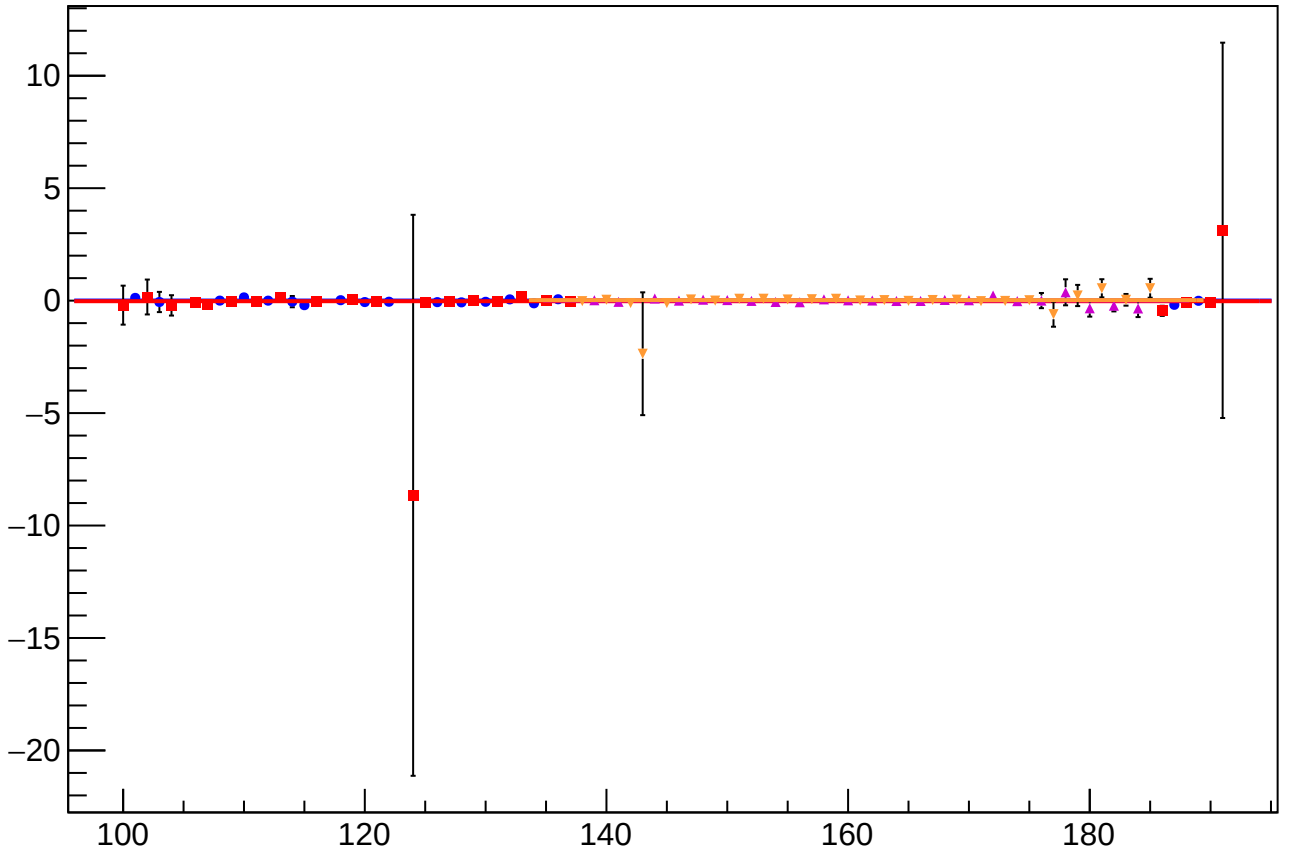
Right Out: 0.003+/-0.000 χ^2/NDF: 5087953.2/22

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: 35857101.2/88

- sign 0.002+/-0.000 χ^2/NDF: 17254395.7/45



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: -0.025+/-0.015 χ^2/NDF: 18.9/22

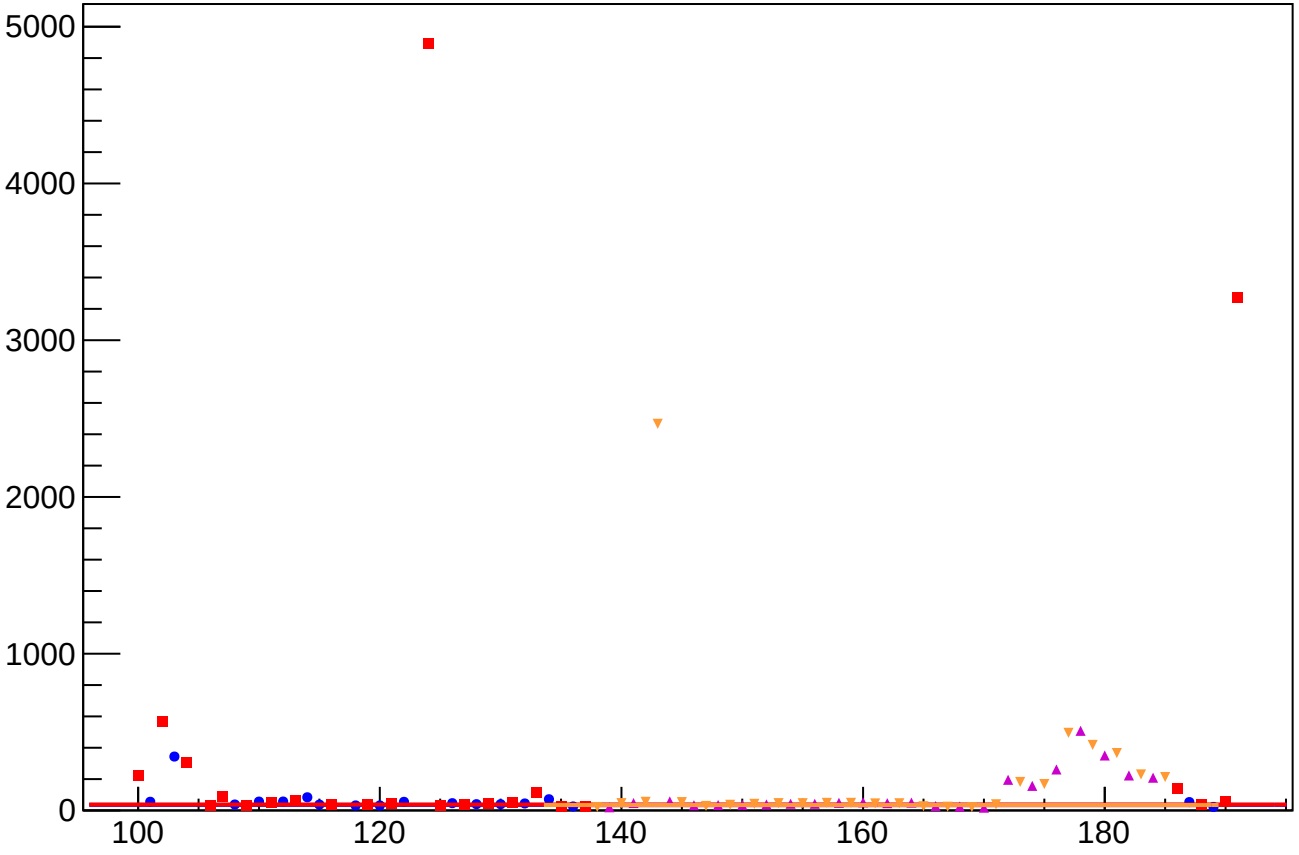
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.017+/-0.008 χ^2/NDF: 45.7/42

All: 0.008+/-0.006 χ^2/NDF: 85.3/88

- sign -0.001+/-0.008 χ^2/NDF: 37.4/45

asym_atl_dd_atr_dd_dd_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

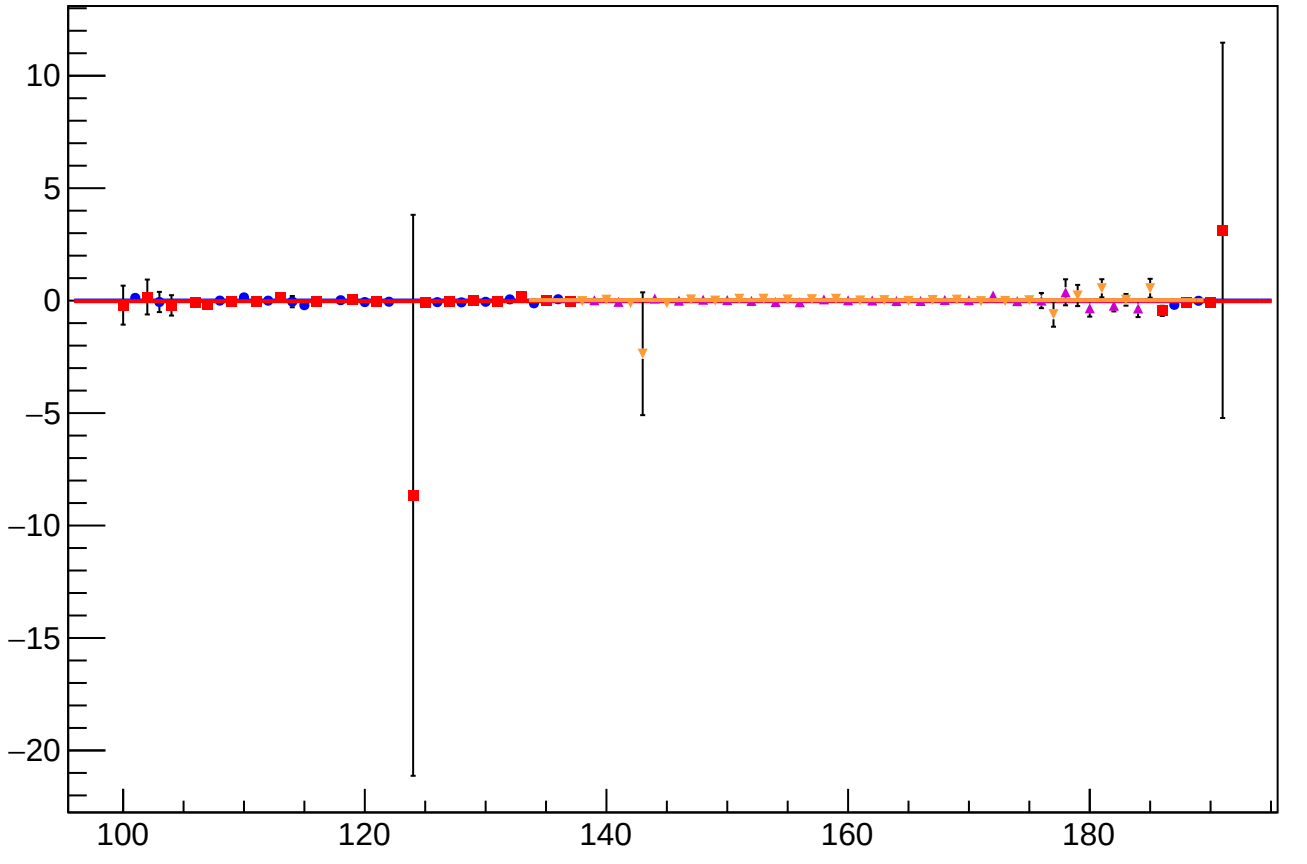
Right Out: 37.615+/-0.011 χ^2/NDF: 4009219.7/22

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

\+ sign 34.987+/-0.006 χ^2/NDF: 13663180.8/42

All: 34.892+/-0.004 χ^2/NDF: 27837202.8/88

\- sign 34.800+/-0.006 χ^2/NDF: 14173522.8/45



Right In: 0.004+/-0.015 χ^2/NDF: 21.6/17

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

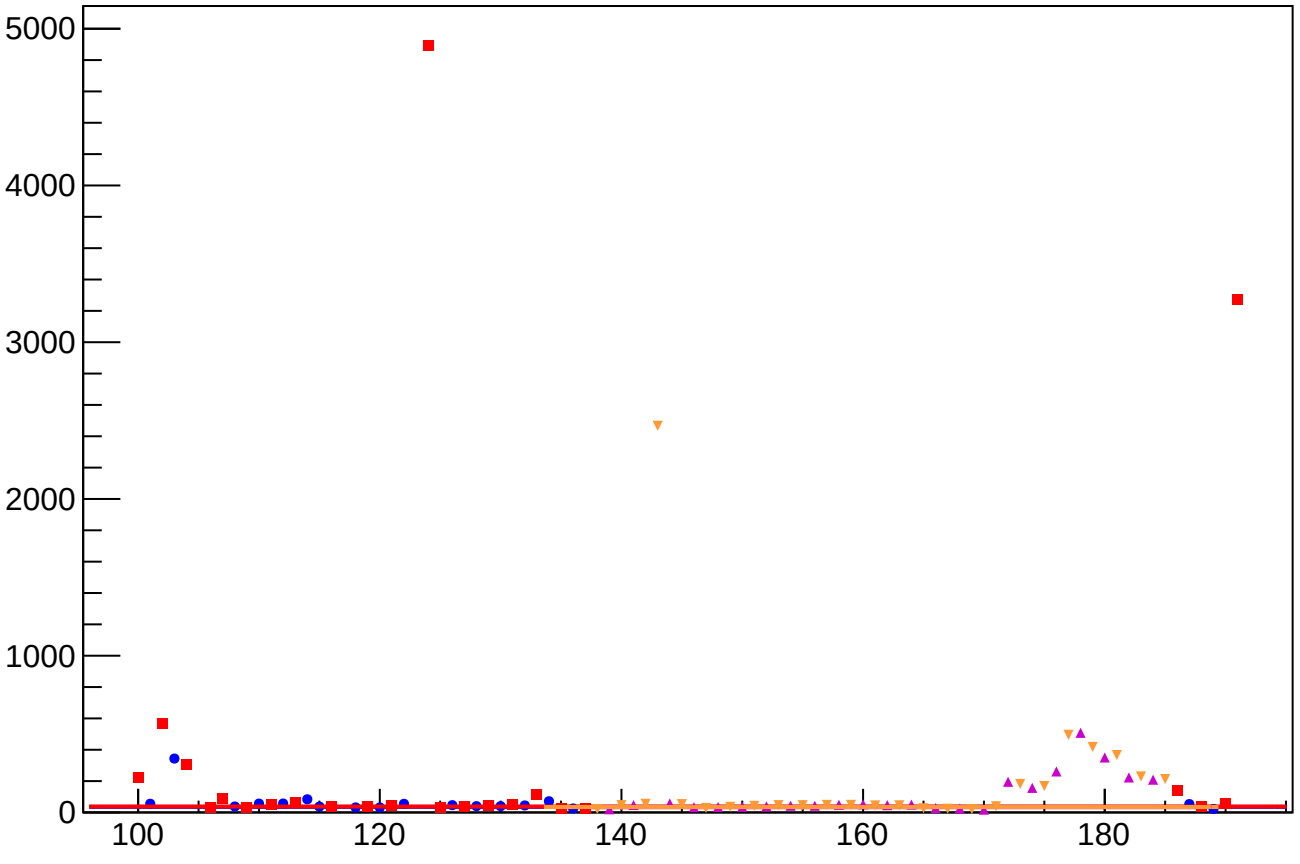
Right Out: -0.025+/-0.015 χ^2/NDF: 18.9/22

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: 85.3/88

- sign -0.001+/-0.008 χ^2/NDF: 37.4/45



Right In: 35.762+/-0.011 χ^2/NDF: 2252643.7/17

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

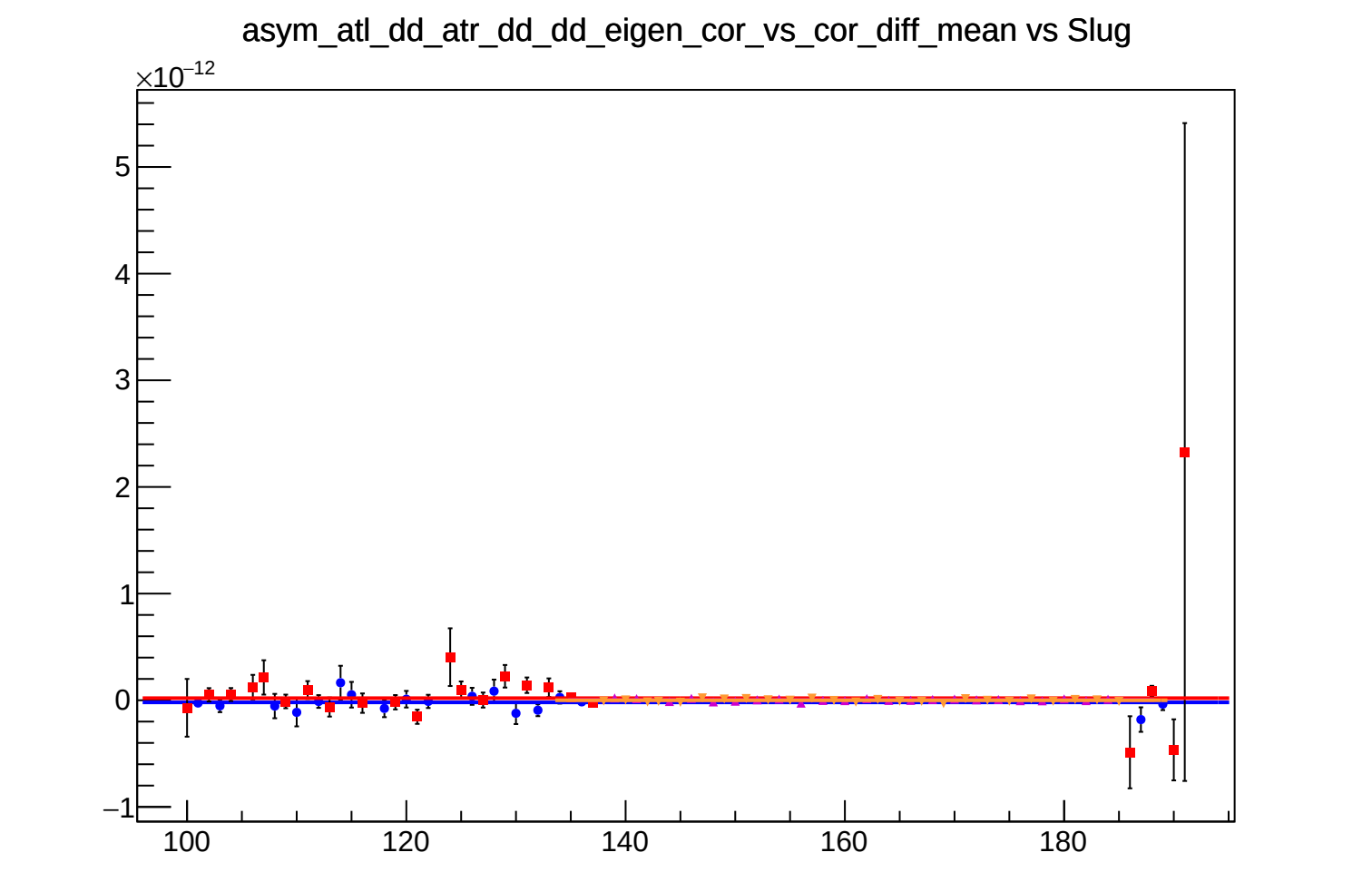
Right Out: 37.615+/-0.011 χ^2/NDF: 4009219.7/22

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

\+ sign 34.987+/-0.006 χ^2/NDF: 13663180.8/42

All: 34.892+/-0.004 χ^2/NDF: 27837202.8/88

\- sign 34.800+/-0.006 χ^2/NDF: 14173522.8/45



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/17

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

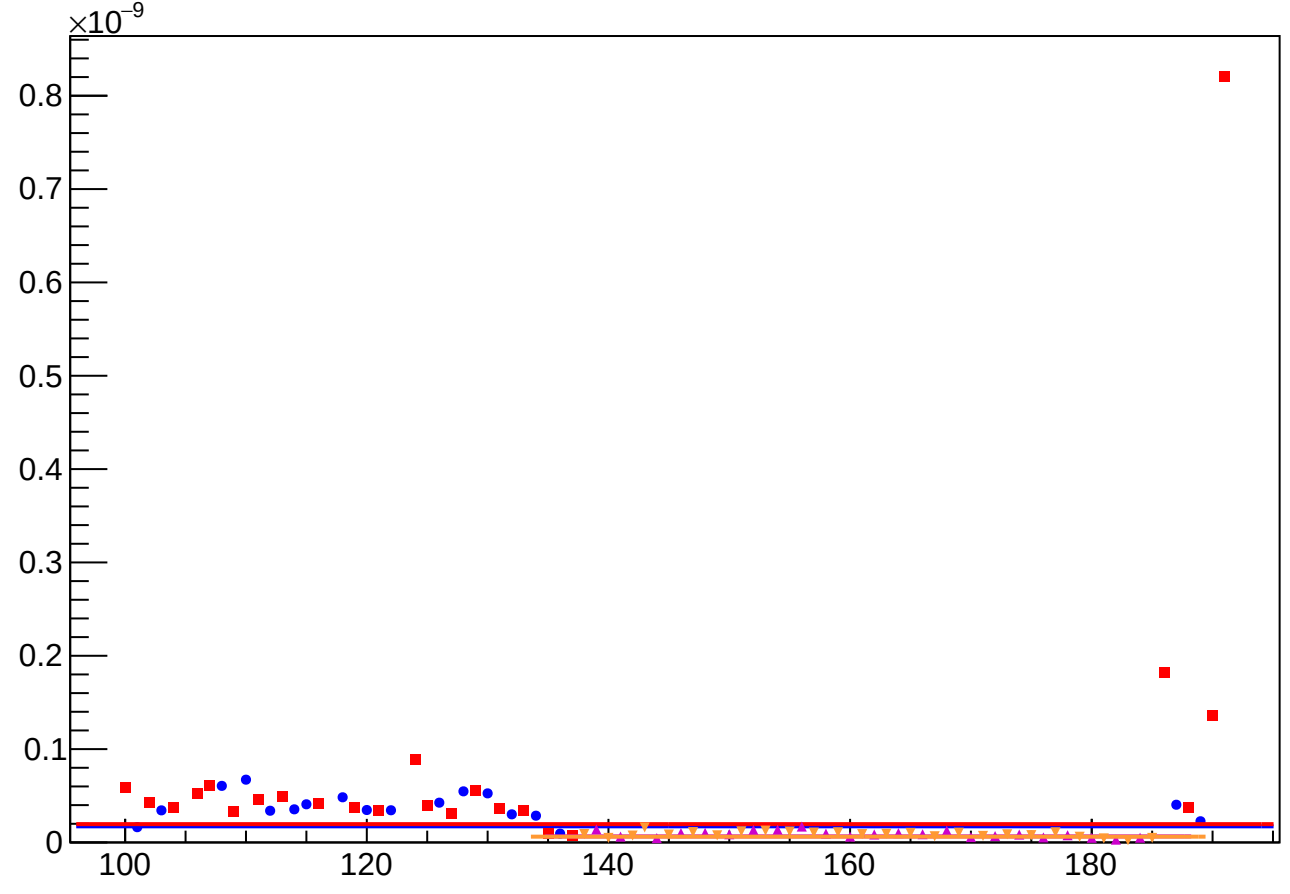
Right Out: 0.000+/-0.000 χ^2/NDF: 34.7/22

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: 99.4/88

- sign 0.000+/-0.000 χ^2/NDF: 57.2/45



Right In: 0.000+/-0.000 χ^2/NDF: 3310003.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4876878.7/22

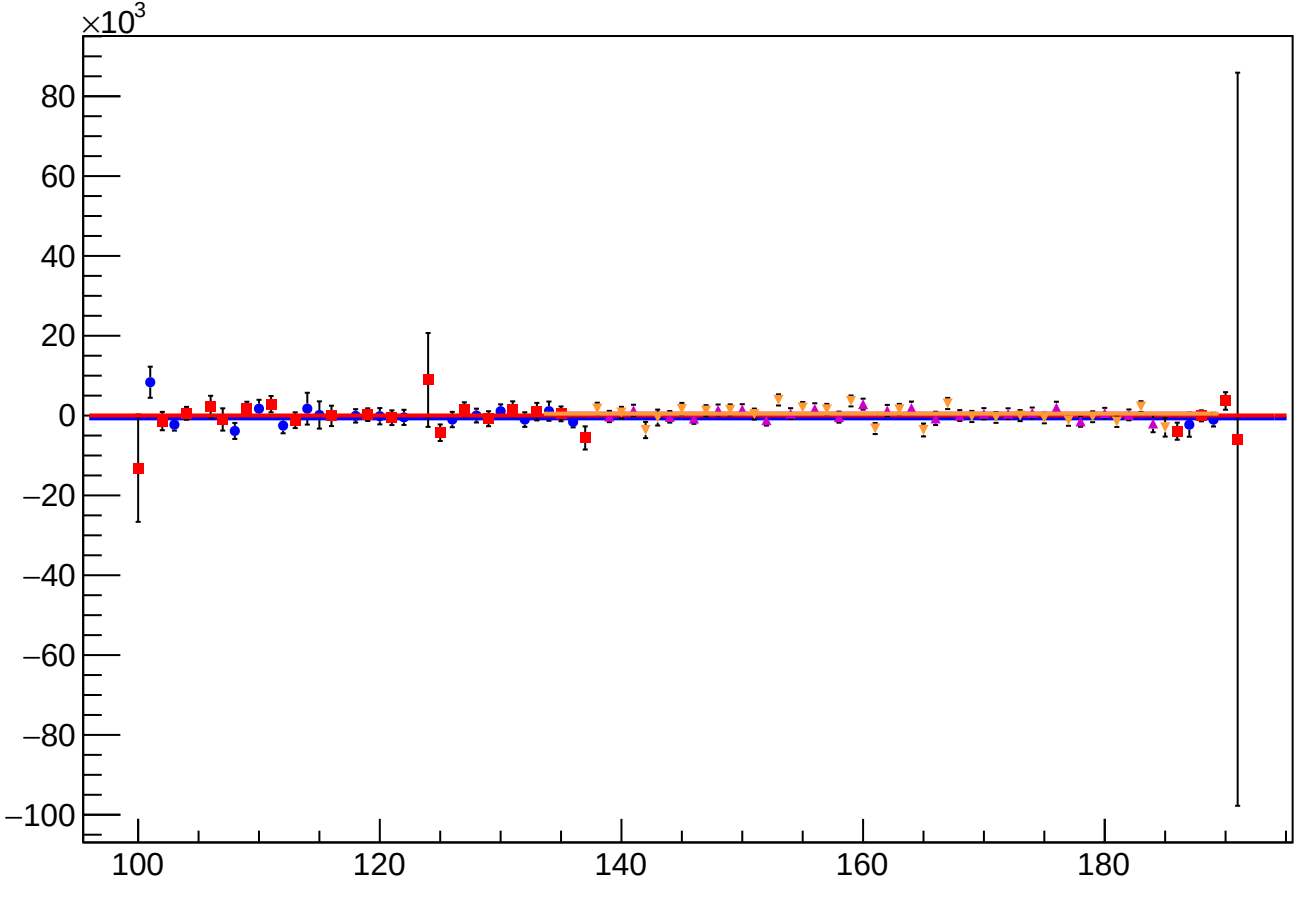
Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 10877834.8/42

All: 0.000+/-0.000 χ^2/NDF: 22642194.9/88

- sign 0.000+/-0.000 χ^2/NDF: 11739251.1/45

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: 30.006+/-440.408 χ^2/NDF: 22.0/22

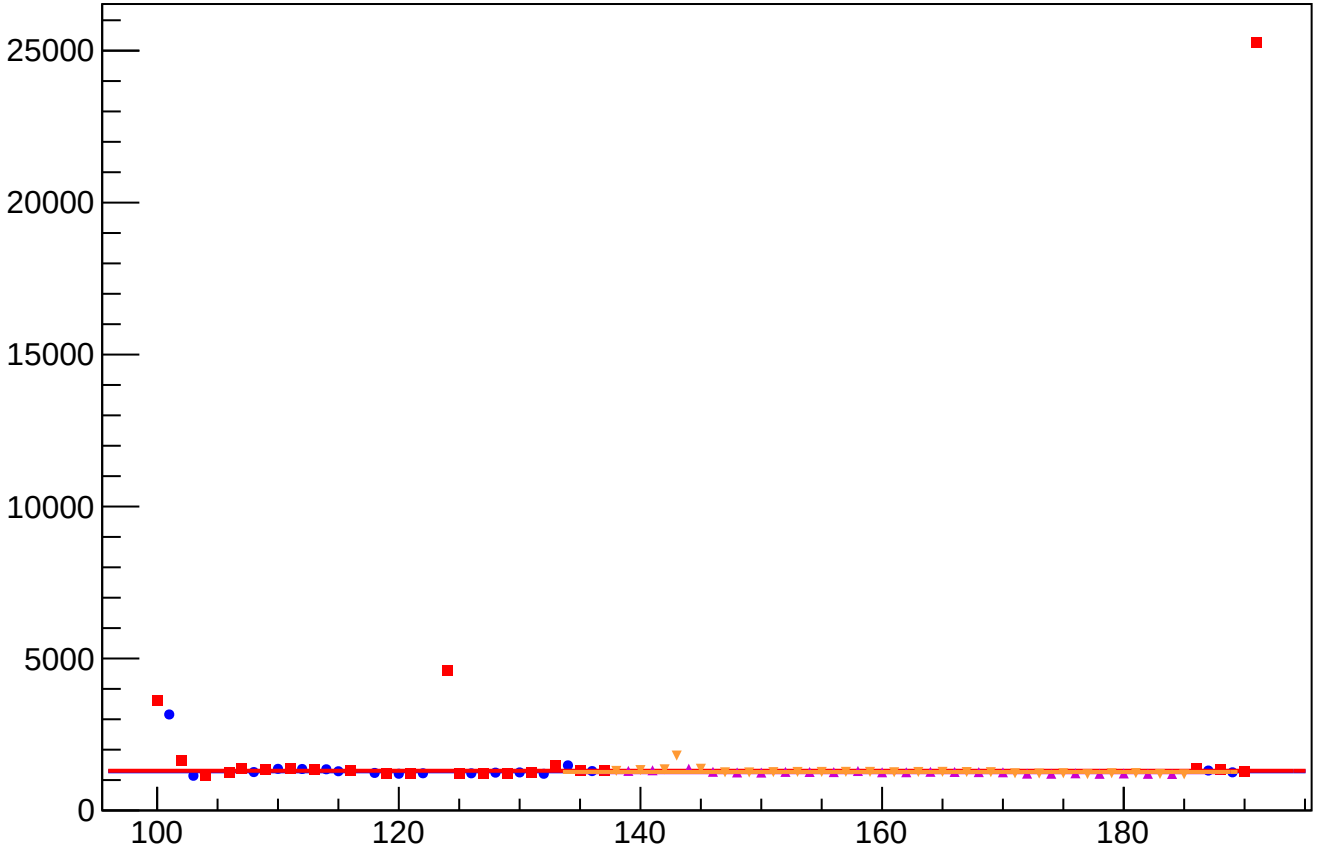
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 160.790+/-245.075 χ^2/NDF: 65.9/42

All: 253.732+/-173.051 χ^2/NDF: 103.3/88

- sign 346.154+/-244.389 χ^2/NDF: 37.2/45

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

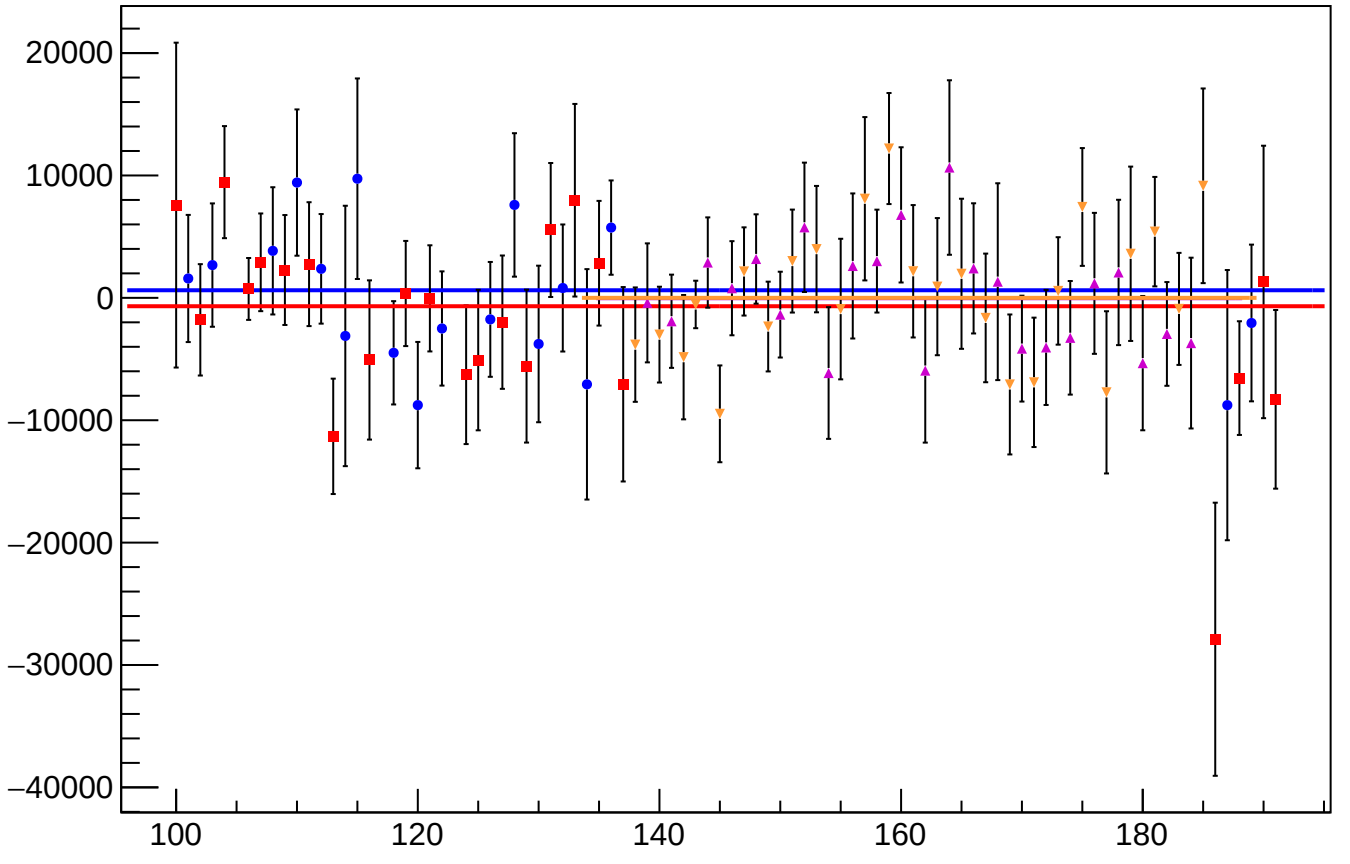
Right Out: 1306.165+/-0.311 χ^2/NDF: 464347.1/22

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1272.677+/-0.173 χ^2/NDF: 705950.0/42

All: 1272.621+/-0.122 χ^2/NDF: 1224028.4/88

- sign 1272.565+/-0.173 χ^2/NDF: 518078.2/45



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: -684.995+/-1059.241 χ^2/NDF: 27.5/22

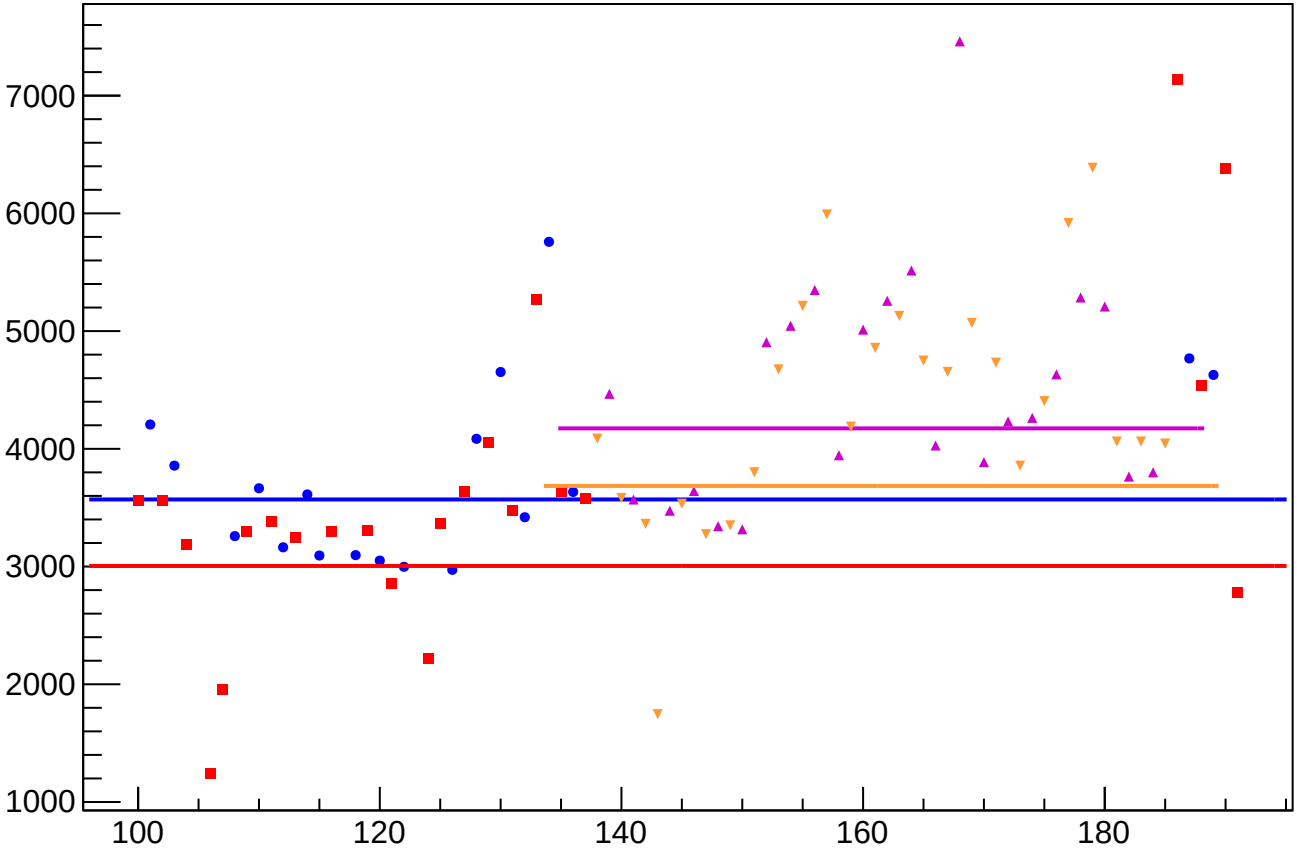
Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign 198.853+/-730.405 χ^2/NDF: 44.2/42

All: -71.434+/-514.679 χ^2/NDF: 86.2/88

- sign -337.994+/-725.354 χ^2/NDF: 41.8/45

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

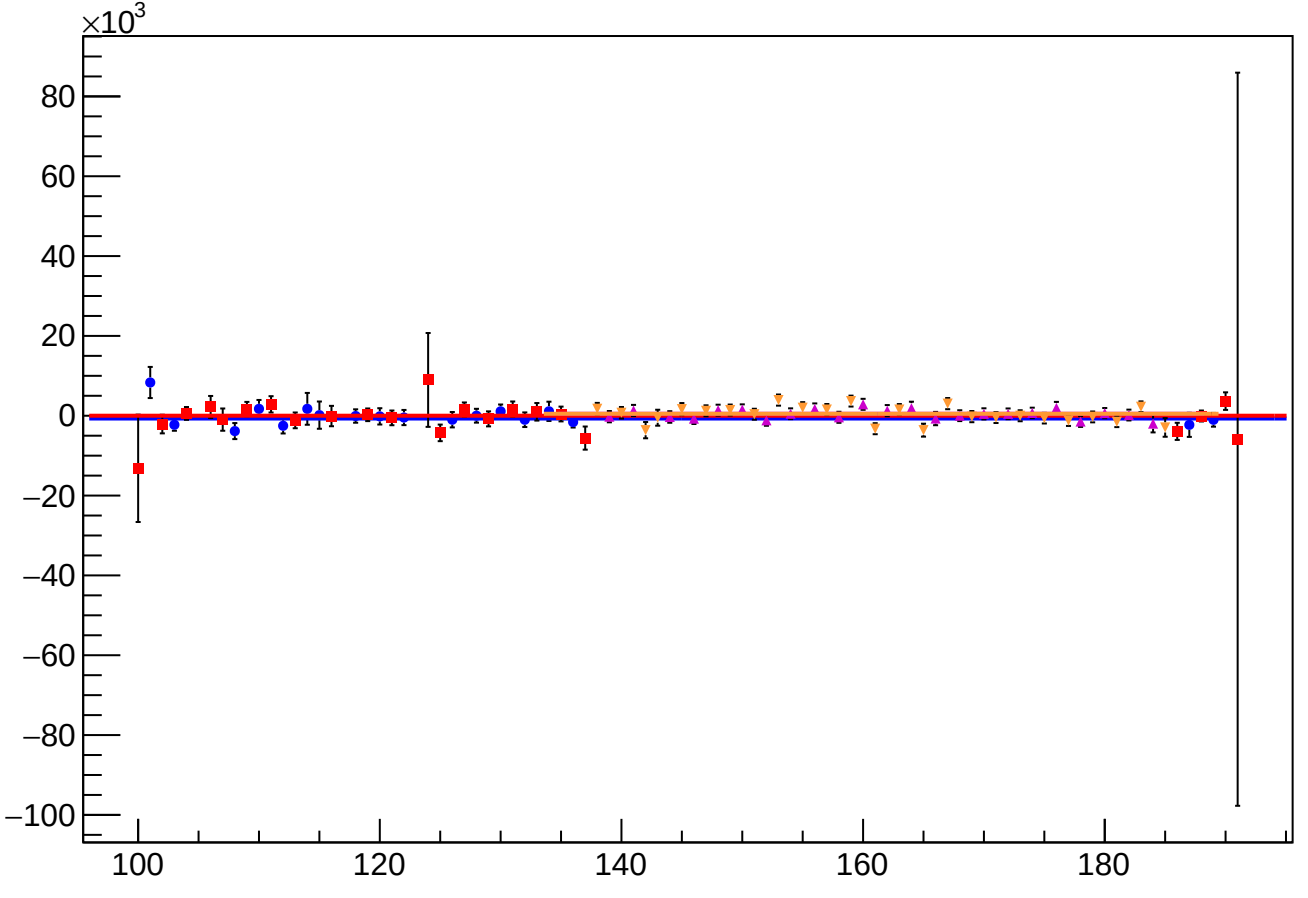
Right Out: 3005.128+/-0.749 χ^2/NDF: 2218383.6/22

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3647.905+/-0.516 χ^2/NDF: 4140994.7/42

All: 3636.696+/-0.364 χ^2/NDF: 8927676.9/88

- sign 3625.642+/-0.513 χ^2/NDF: 4785746.7/45



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: 6.324+/-440.646 χ^2/NDF: 22.4/22

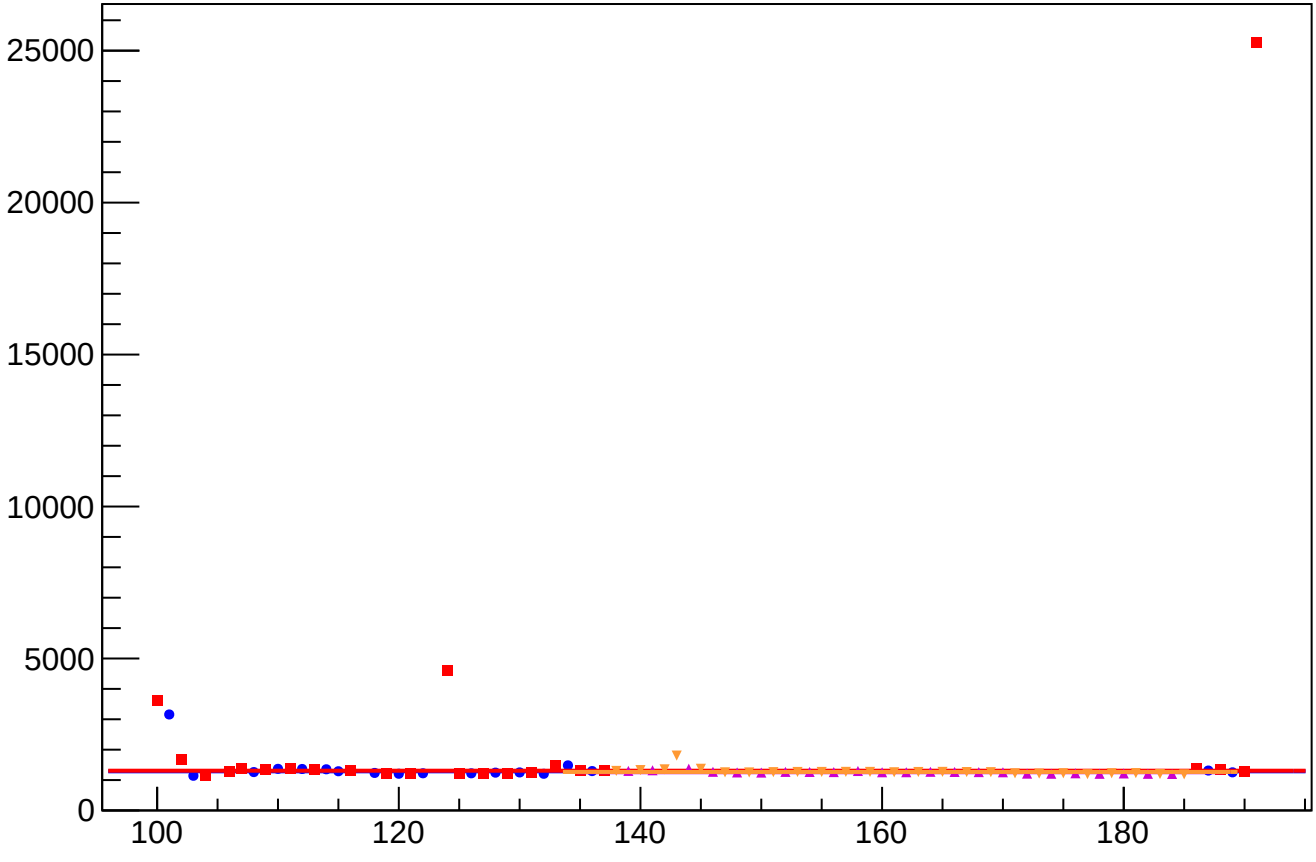
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 160.700+/-245.075 χ^2/NDF: 65.8/42

All: 250.036+/-173.065 χ^2/NDF: 103.8/88

- sign 338.902+/-244.429 χ^2/NDF: 37.7/45

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

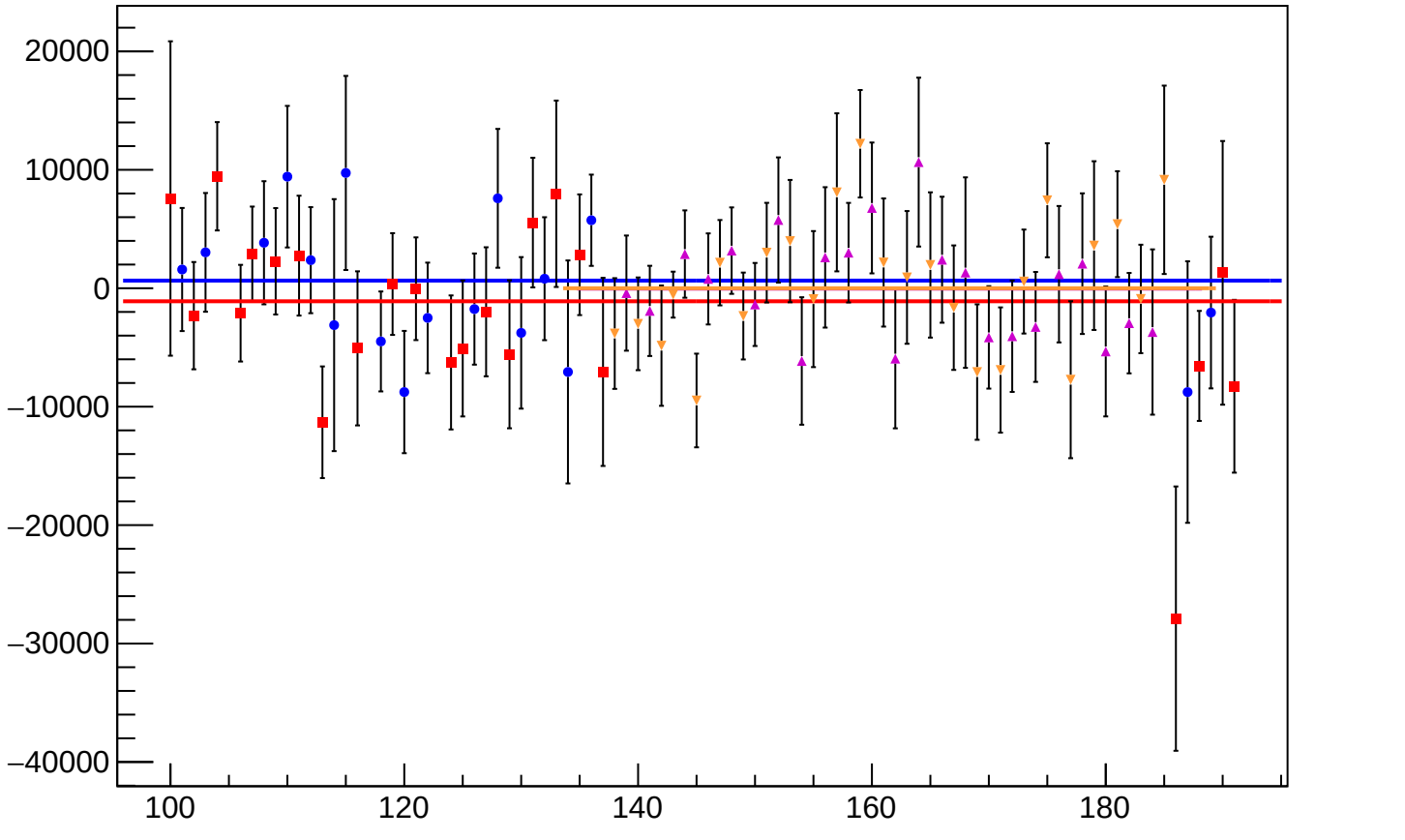
Right Out: 1307.837+/-0.311 χ^2/NDF: 470627.6/22

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1272.676+/-0.173 χ^2/NDF: 705951.4/42

All: 1272.867+/-0.122 χ^2/NDF: 1231466.8/88

- sign 1273.057+/-0.173 χ^2/NDF: 525513.0/45



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: -1100.868+/-1121.138 χ^2/NDF: 27.3/22

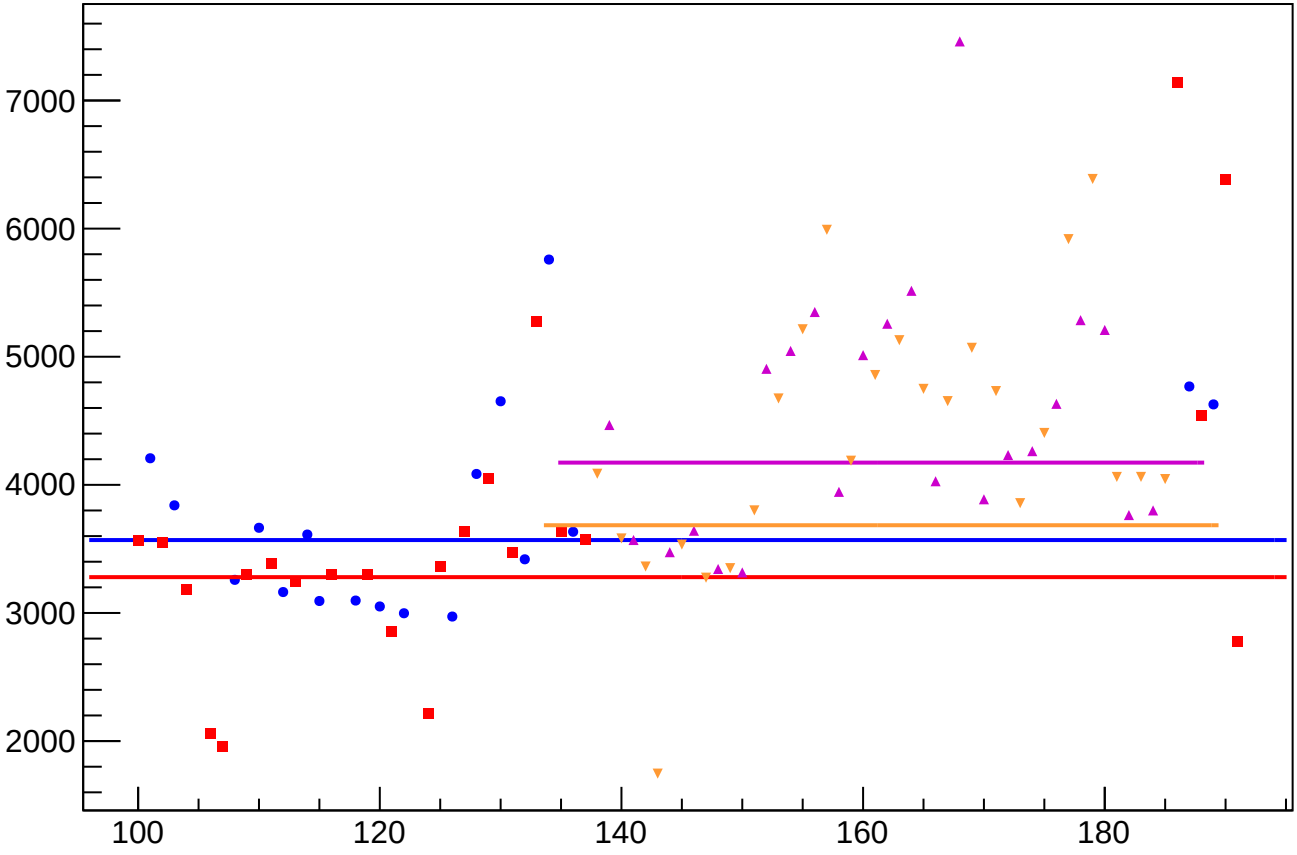
Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 206.853+/-730.329 χ^2/NDF: 44.2/42

All: -141.286+/-521.301 χ^2/NDF: 86.5/88

- sign -502.905+/-744.334 χ^2/NDF: 41.8/45

asym_at1_avg_at2_avg_dd_cor_correction_rms vs Slug



Right In: 3569.073+/-0.911 χ^2/NDF: 435971.5/17

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

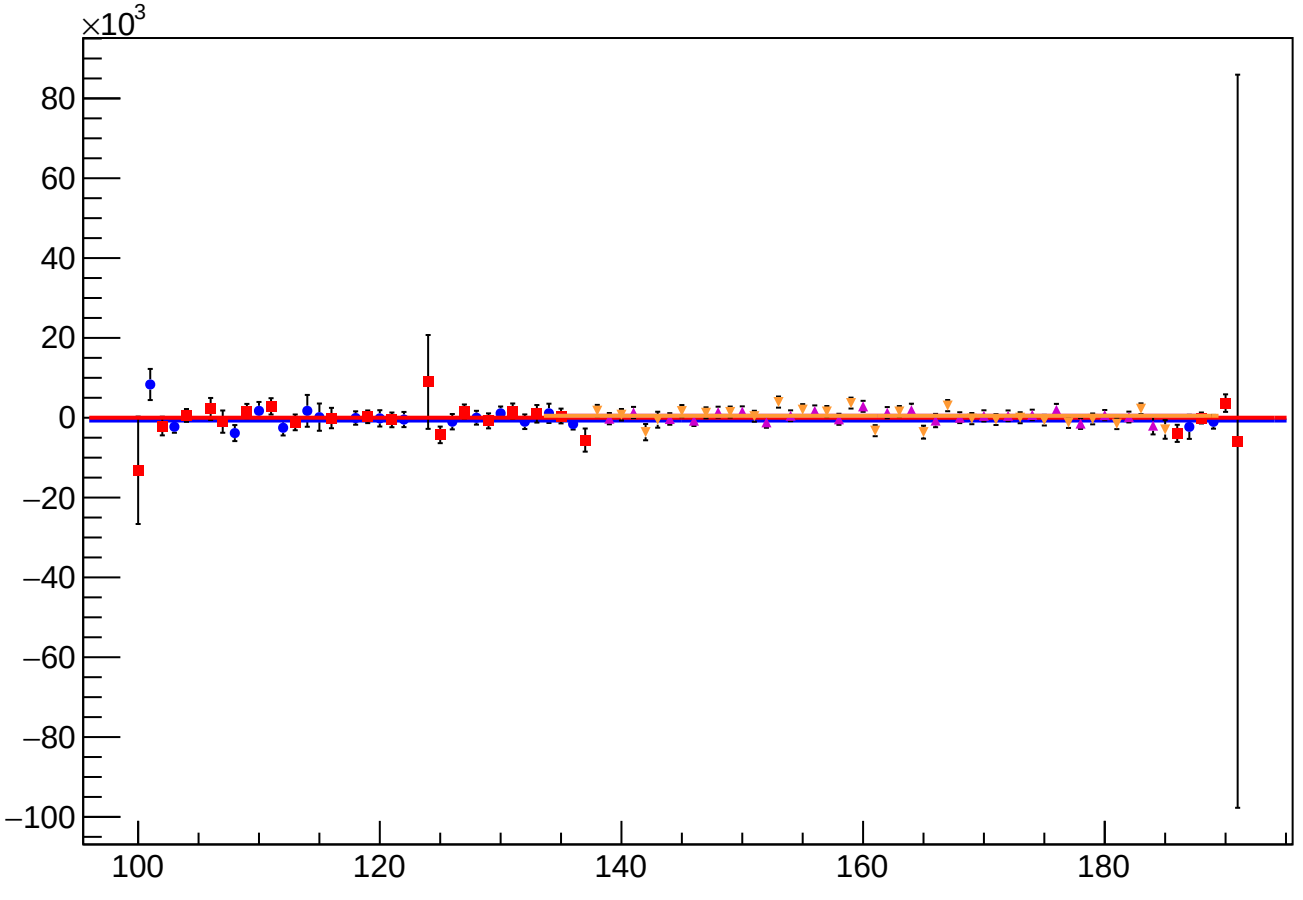
Right Out: 3279.674+/-0.793 χ^2/NDF: 1231847.1/22

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3647.593+/-0.516 χ^2/NDF: 4140602.0/42

All: 3712.319+/-0.369 χ^2/NDF: 7390415.7/88

- sign 3779.551+/-0.526 χ^2/NDF: 3217787.5/45



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: 6.324+/-440.646 χ^2/NDF: 22.4/22

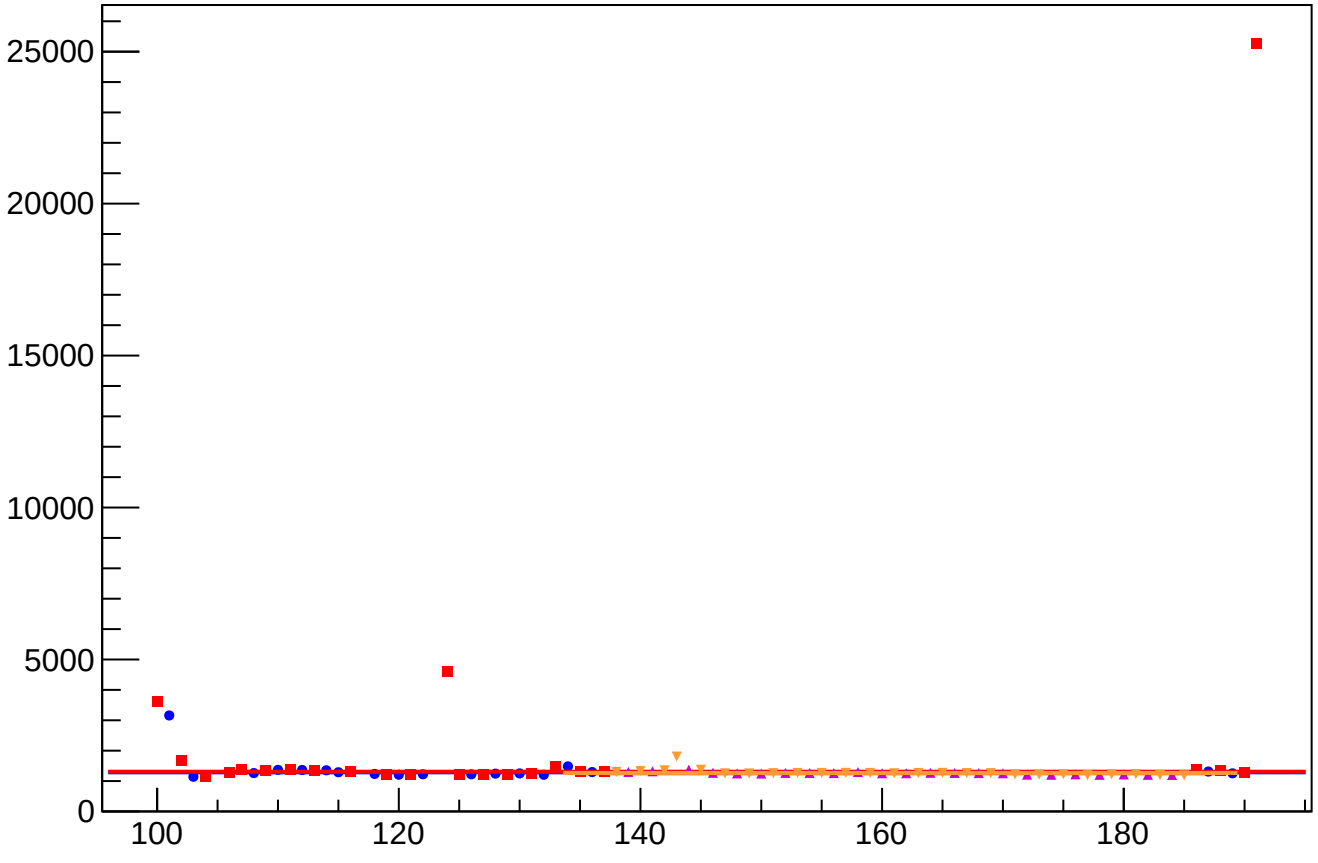
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 160.700+/-245.075 χ^2/NDF: 65.8/42

All: 250.036+/-173.065 χ^2/NDF: 103.8/88

- sign 338.902+/-244.429 χ^2/NDF: 37.7/45

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

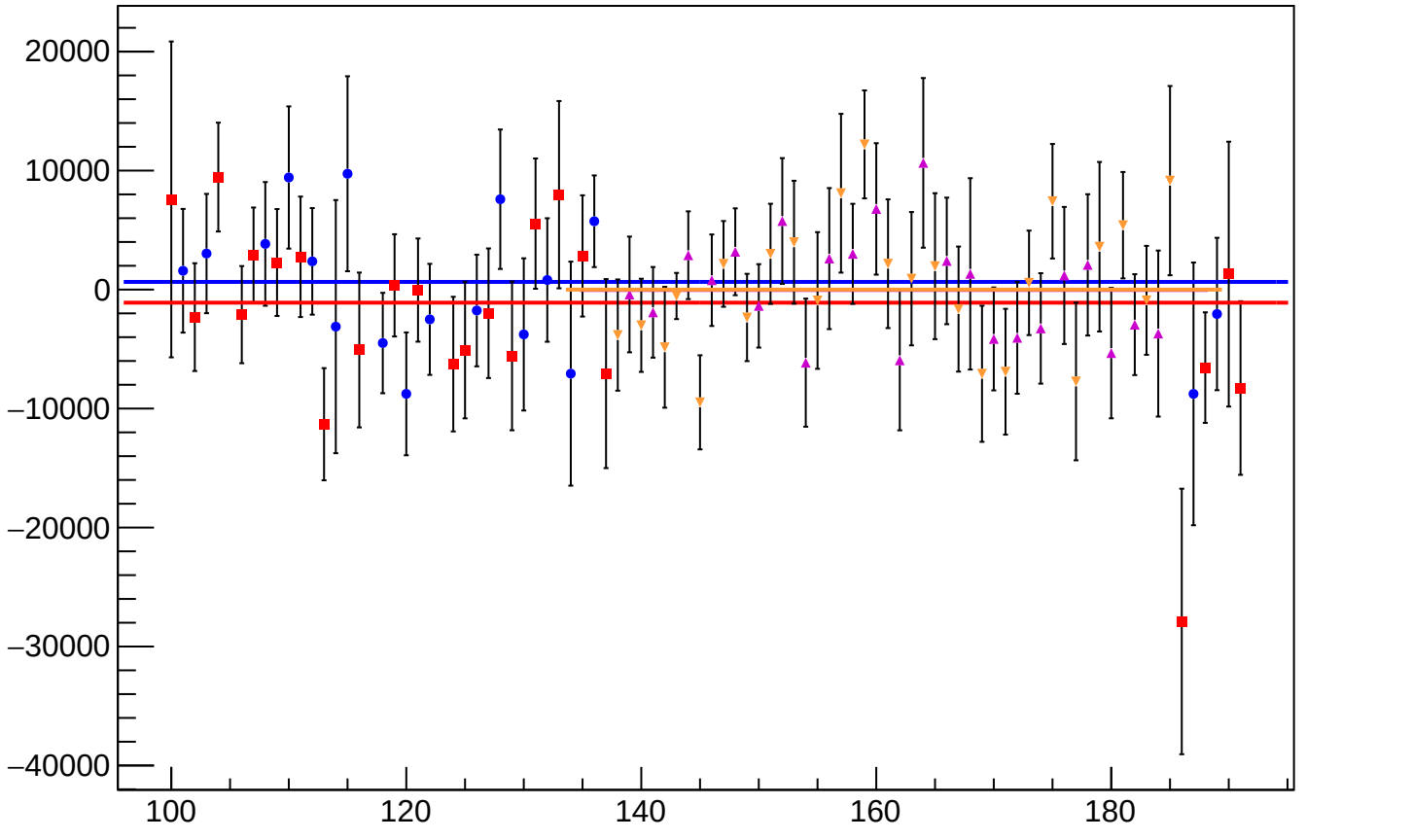
Right Out: 1307.837+/-0.311 χ^2/NDF: 470627.6/22

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1272.676+/-0.173 χ^2/NDF: 705951.4/42

All: 1272.867+/-0.122 χ^2/NDF: 1231466.8/88

- sign 1273.057+/-0.173 χ^2/NDF: 525513.0/45



Right In: 644.987+/-1288.480 χ^2/NDF: 15.0/17

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

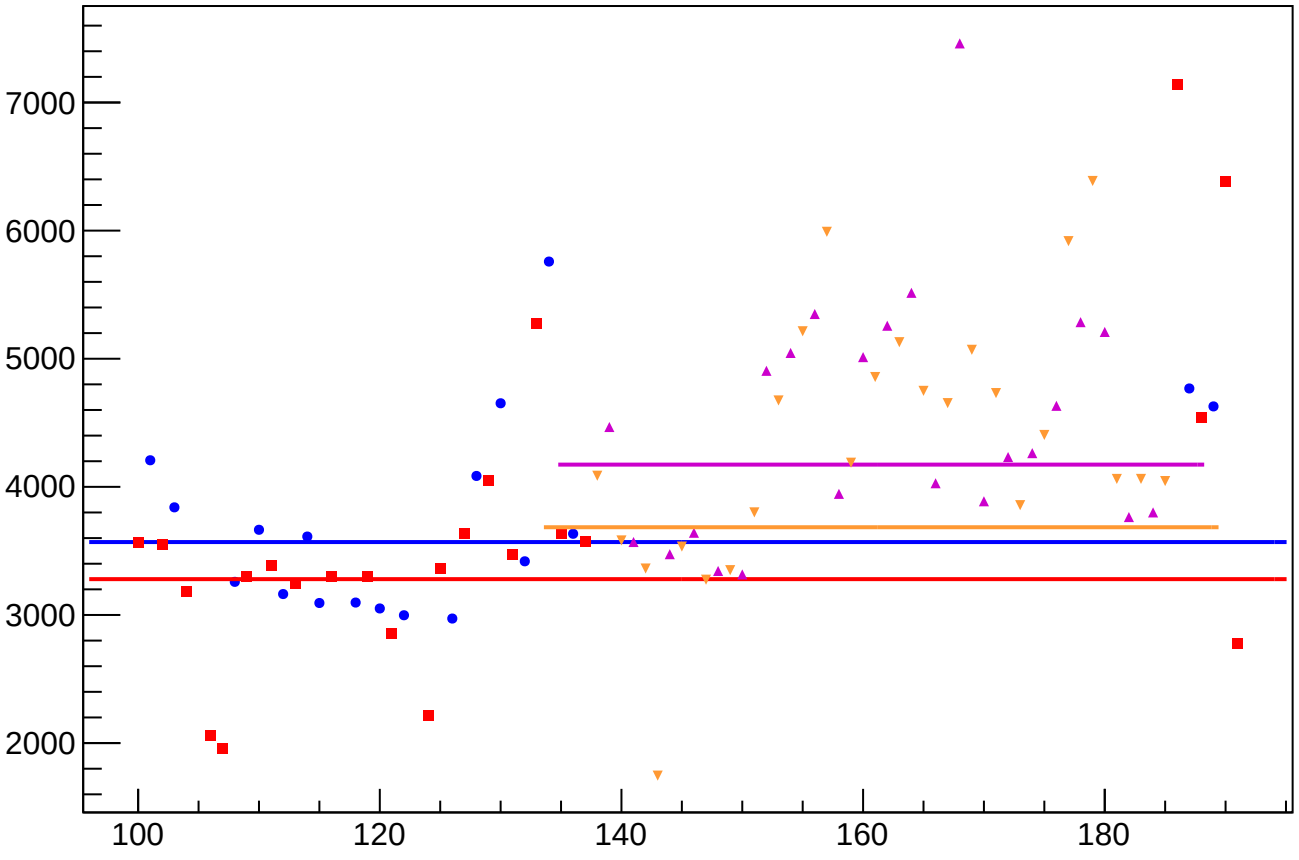
Right Out: -1100.868+/-1121.138 χ^2/NDF: 27.3/22

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 206.853+/-730.329 χ^2/NDF: 44.2/42

All: -141.286+/-521.301 χ^2/NDF: 86.5/88

- sign -502.905+/-744.334 χ^2/NDF: 41.8/45



Right In: 3569.073+/-0.911 χ^2/NDF: 435971.5/17

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

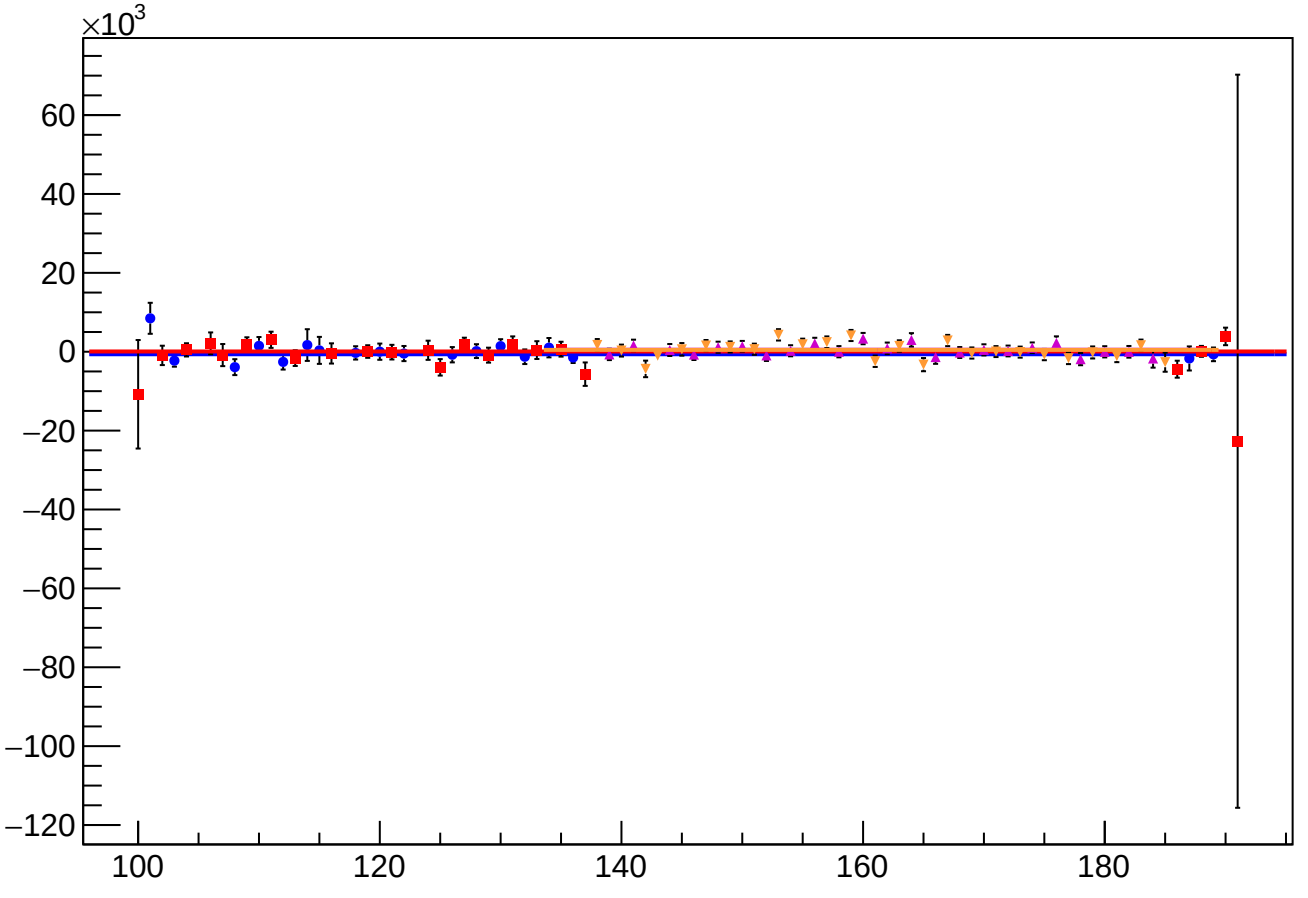
Right Out: 3279.674+/-0.793 χ^2/NDF: 1231847.1/22

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3647.593+/-0.516 χ^2/NDF: 4140602.0/42

All: 3712.319+/-0.369 χ^2/NDF: 7390415.7/88

- sign 3779.551+/-0.526 χ^2/NDF: 3217787.5/45



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: 65.149+/-439.232 χ^2/NDF: 22.3/22

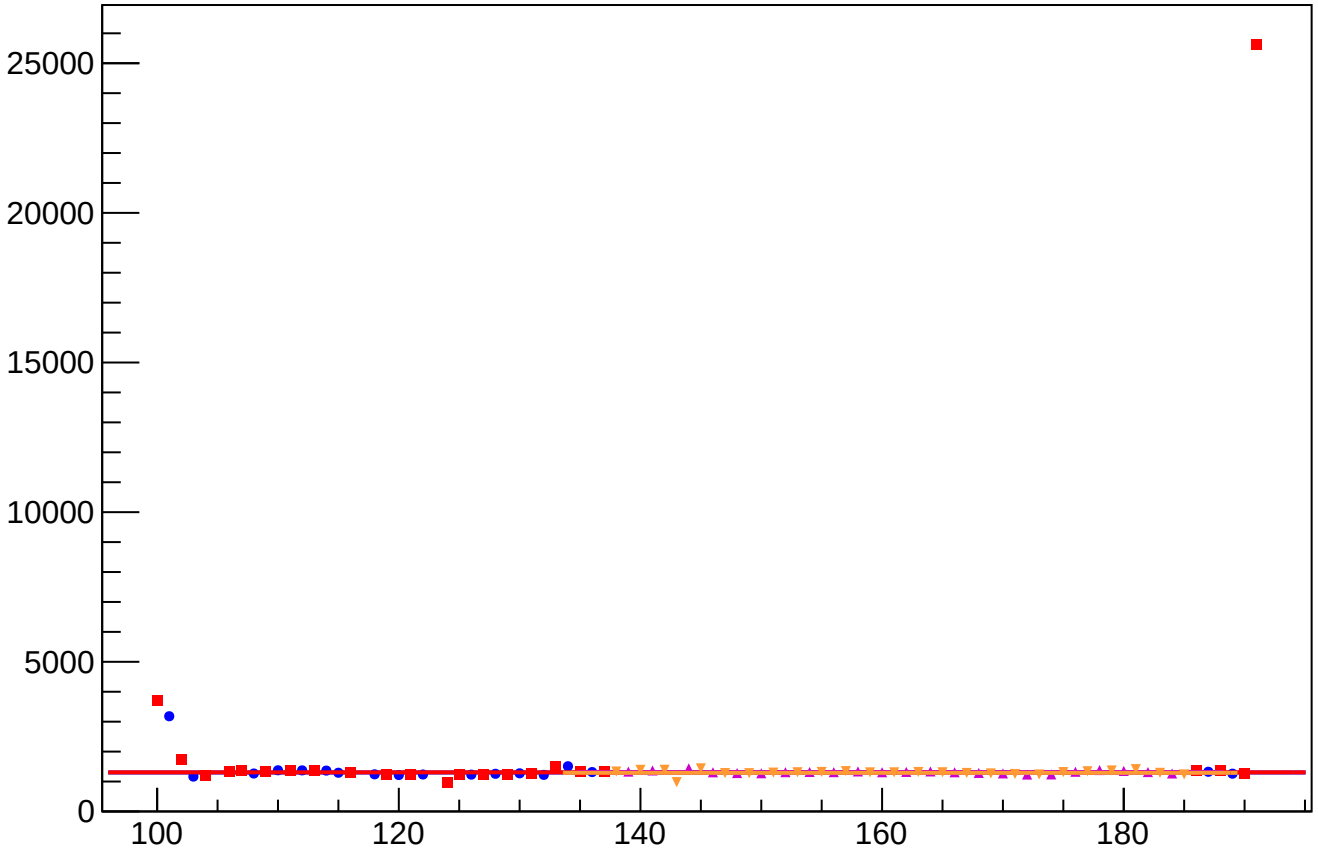
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 156.104+/-249.345 χ^2/NDF: 62.3/42

All: 256.932+/-177.126 χ^2/NDF: 103.0/88

- sign 359.640+/-251.659 χ^2/NDF: 40.3/45

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

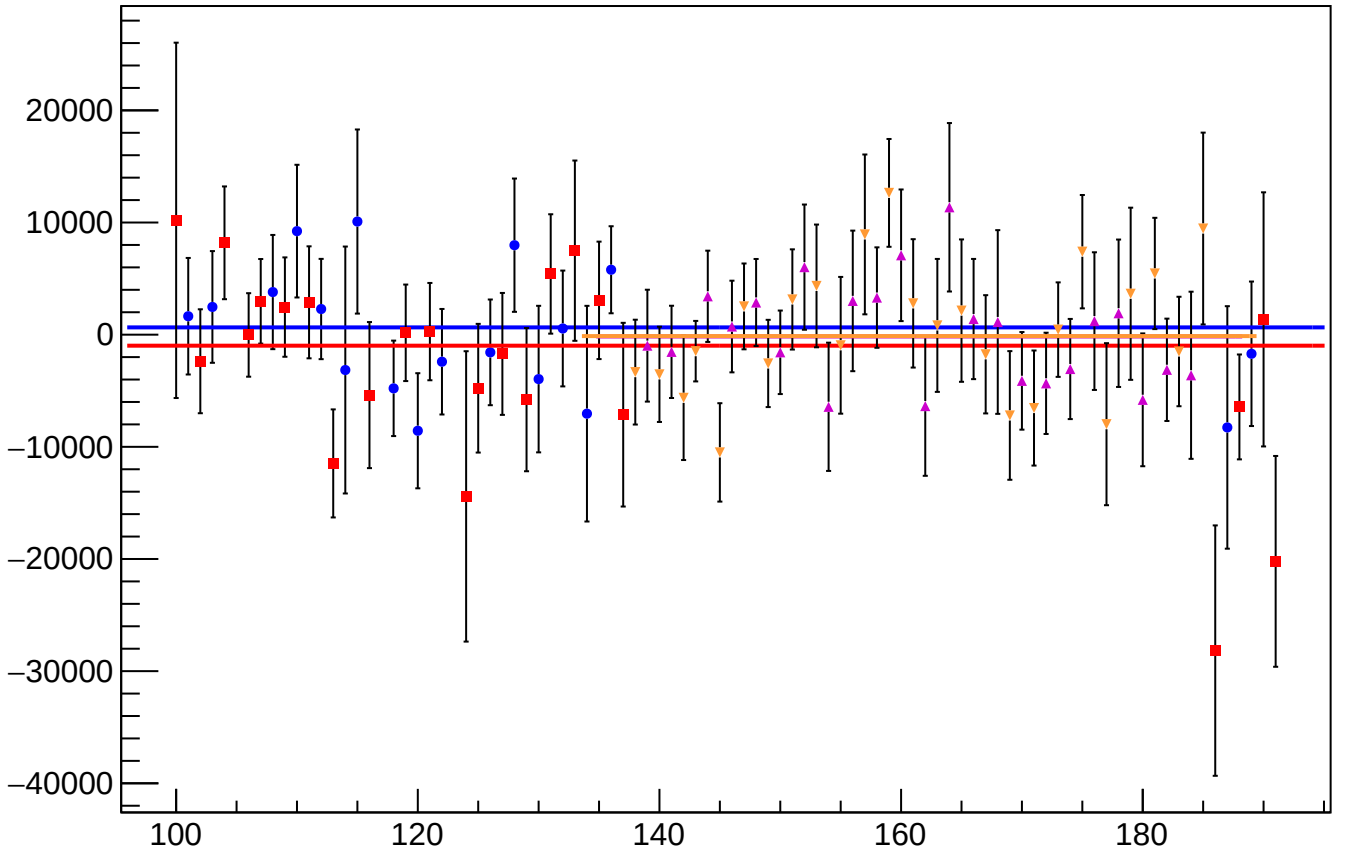
Right Out: 1306.774+/-0.310 χ^2/NDF: 359849.5/22

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1294.132+/-0.176 χ^2/NDF: 743224.0/42

All: 1302.802+/-0.125 χ^2/NDF: 1151362.6/88

- sign 1311.630+/-0.178 χ^2/NDF: 403258.6/45



Right In: 649.628+/-1290.787 χ^2/NDF: 15.0/17

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

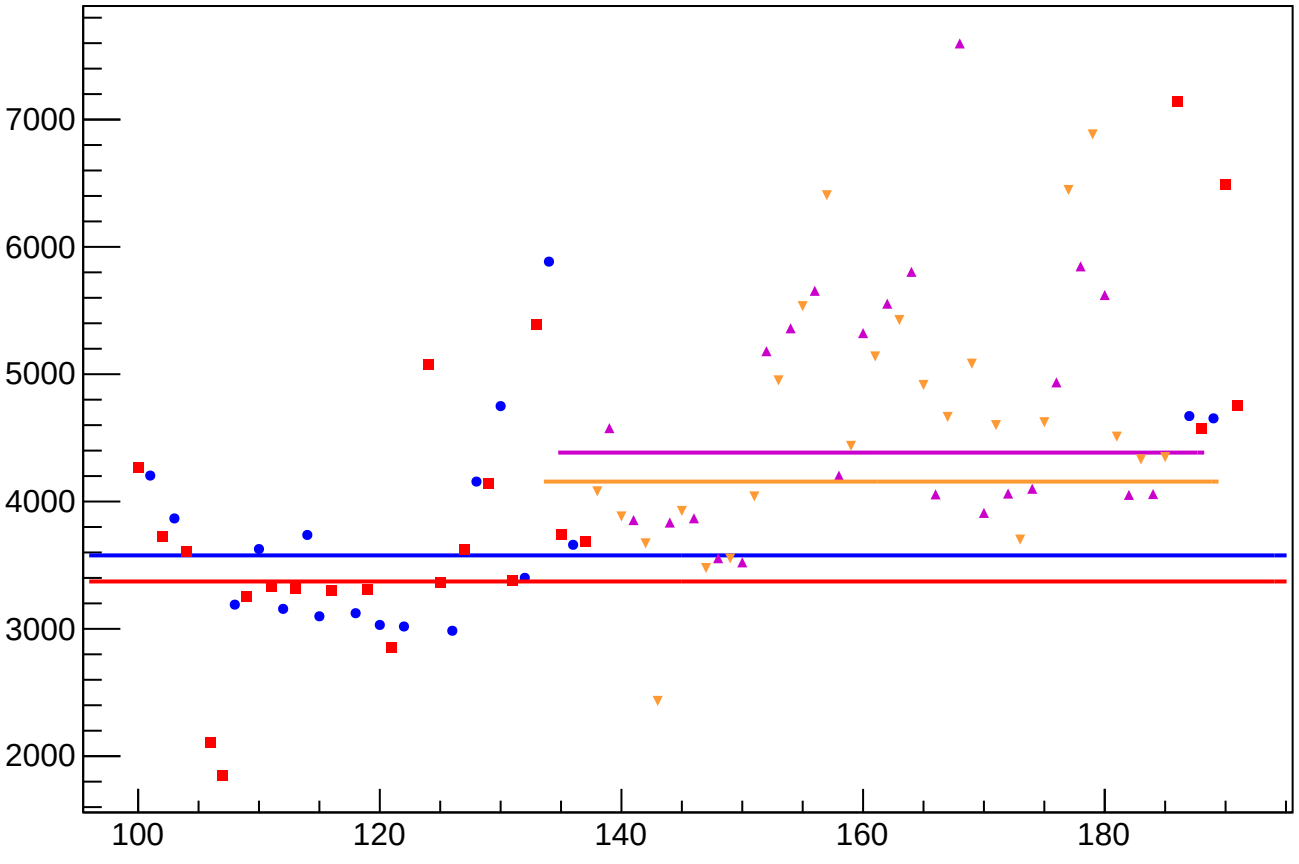
Right Out: -981.731+/-1141.605 χ^2/NDF: 29.0/22

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign 155.784+/-779.128 χ^2/NDF: 43.8/42

All: -192.983+/-548.040 χ^2/NDF: 87.2/88

- sign -534.533+/-771.025 χ^2/NDF: 43.1/45



Right In: 3576.938+/-0.913 χ^2/NDF: 455785.3/17

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

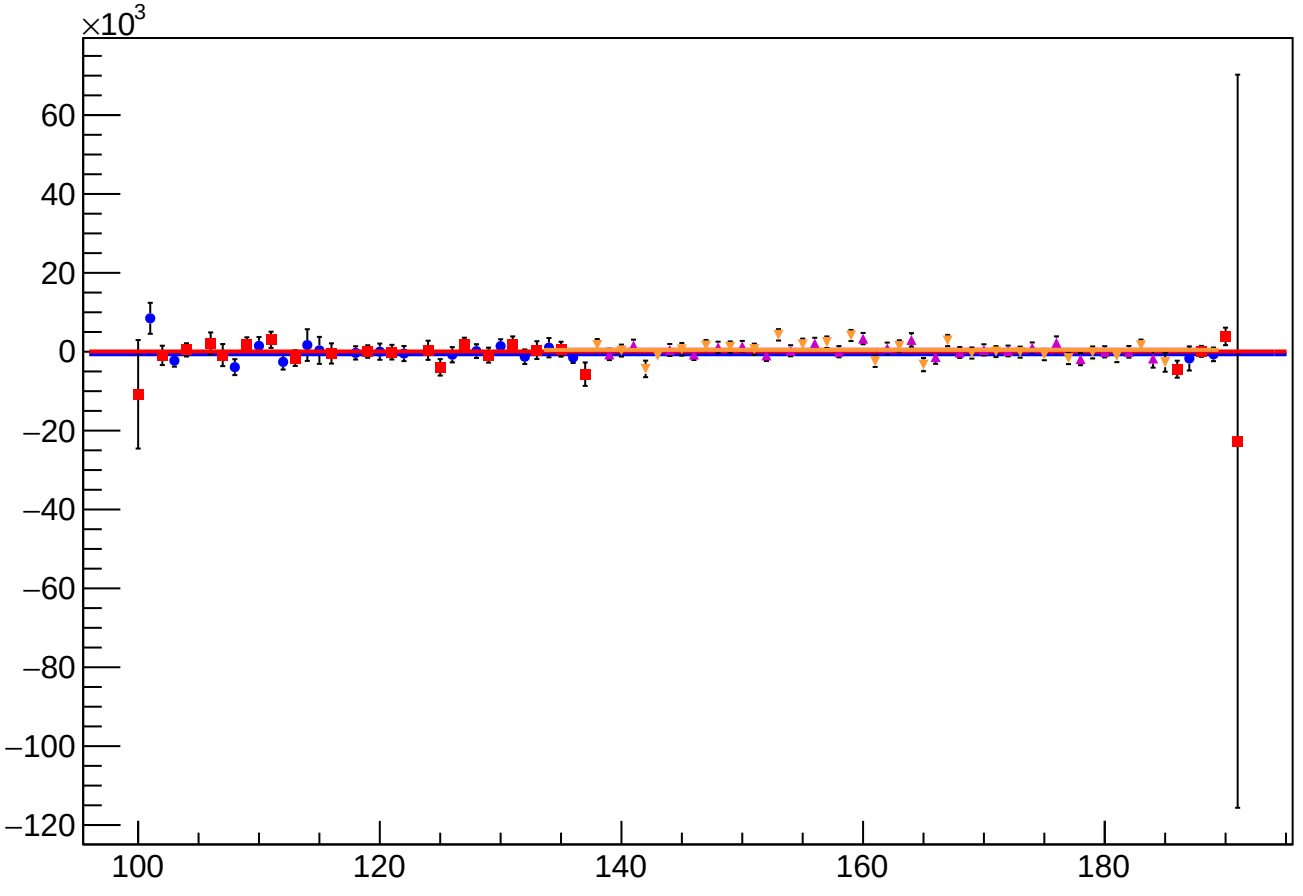
Right Out: 3372.159+/-0.807 χ^2/NDF: 1371232.1/22

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 3945.393+/-0.551 χ^2/NDF: 2792920.9/42

All: 3933.891+/-0.388 χ^2/NDF: 6275516.3/88

- sign 3922.626+/-0.545 χ^2/NDF: 3481732.6/45



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: 65.155+/-439.232 χ^2/NDF: 22.3/22

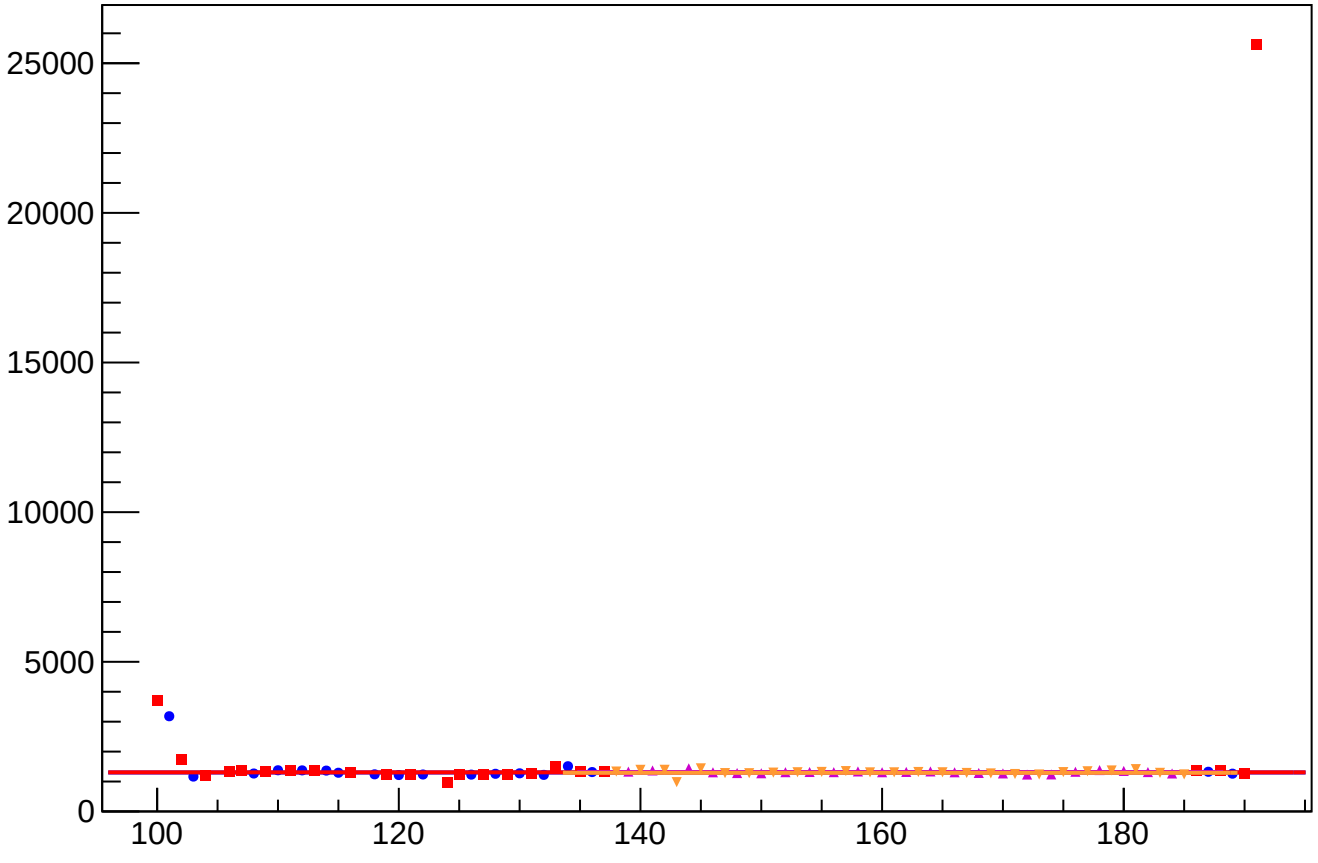
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 156.106+/-249.346 χ^2/NDF: 62.3/42

All: 256.934+/-177.126 χ^2/NDF: 103.0/88

- sign 359.641+/-251.659 χ^2/NDF: 40.3/45

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

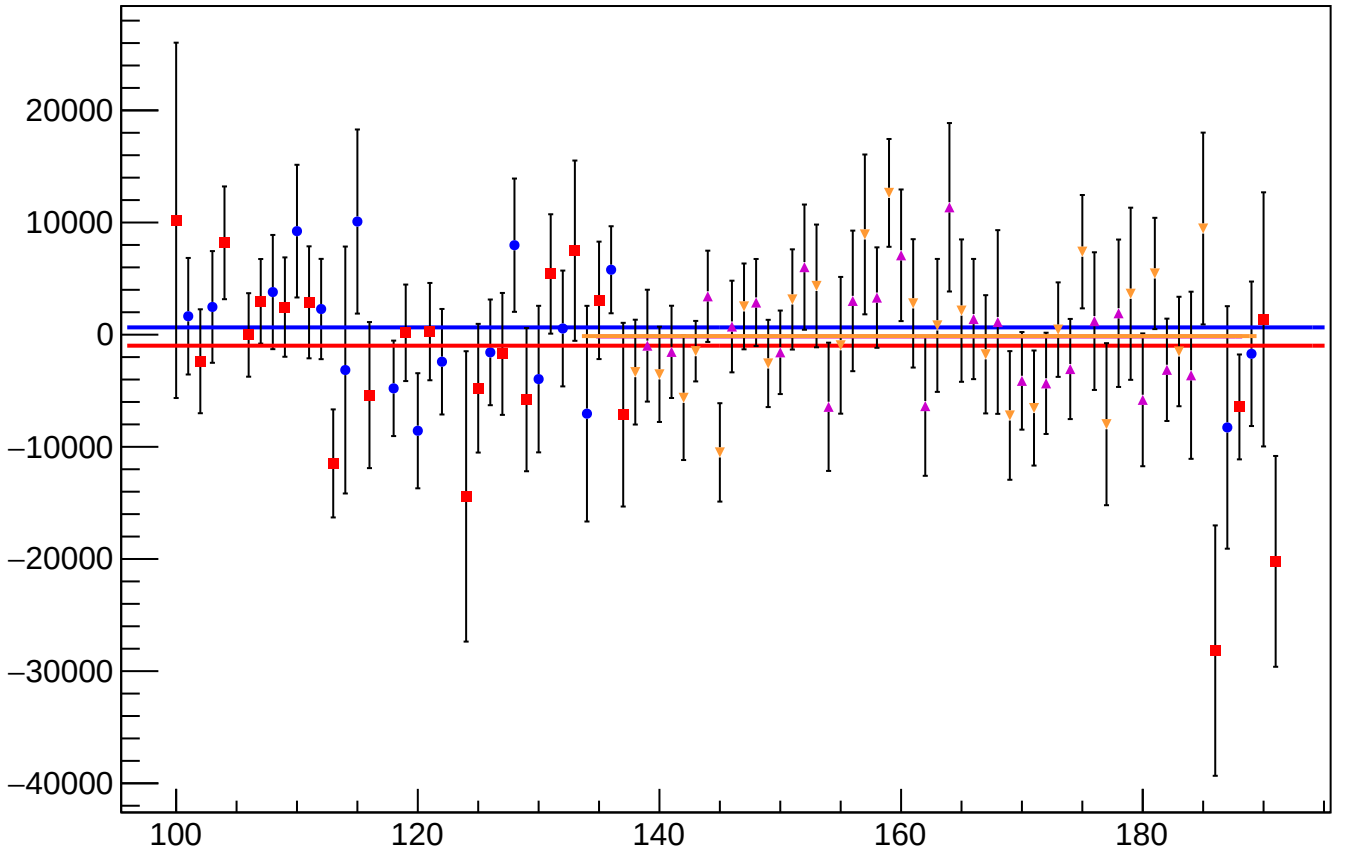
Right Out: 1306.774+/-0.310 χ^2/NDF: 359849.6/22

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1294.133+/-0.176 χ^2/NDF: 743226.4/42

All: 1302.803+/-0.125 χ^2/NDF: 1151367.5/88

- sign 1311.631+/-0.178 χ^2/NDF: 403261.0/45



Right In: 649.619+/-1290.784 χ^2/NDF: 15.0/17

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

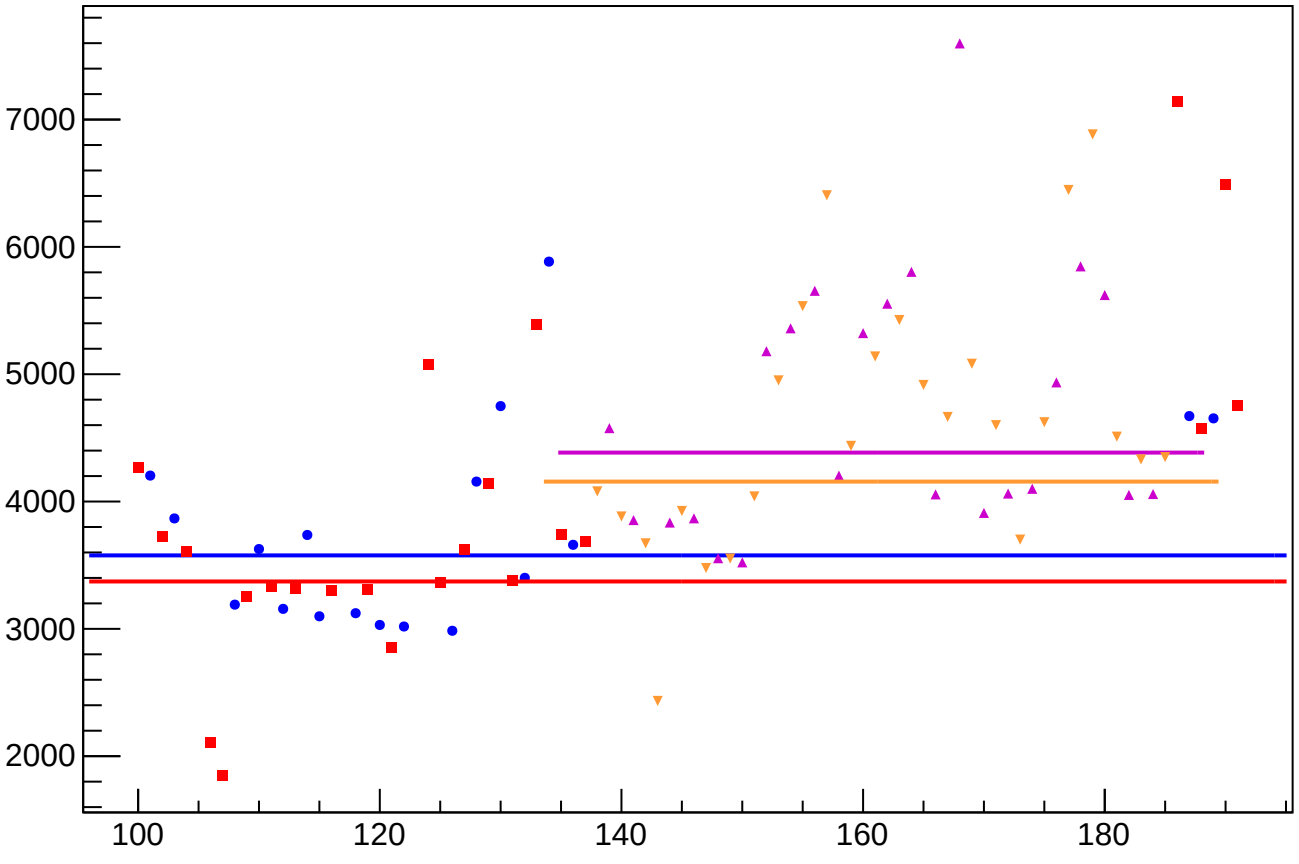
Right Out: -981.723+/-1141.603 χ^2/NDF: 29.0/22

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign 155.784+/-779.129 χ^2/NDF: 43.8/42

All: -192.982+/-548.040 χ^2/NDF: 87.2/88

- sign -534.531+/-771.025 χ^2/NDF: 43.1/45



Right In: 3576.930+/-0.913 χ^2/NDF: 455791.5/17

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

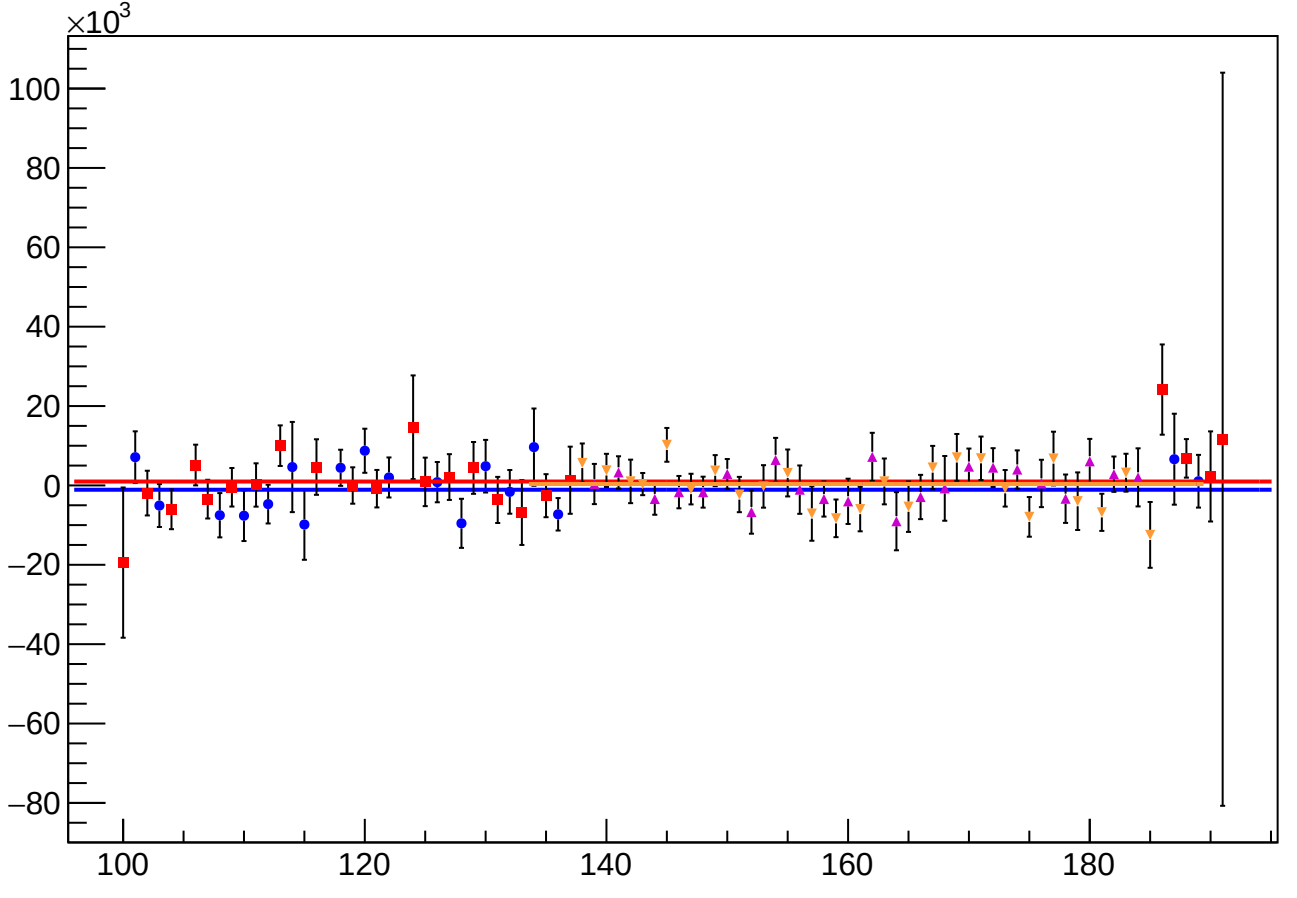
Right Out: 3372.151+/-0.807 χ^2/NDF: 1371238.4/22

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 3945.393+/-0.551 χ^2/NDF: 2792943.8/42

All: 3933.890+/-0.388 χ^2/NDF: 6275574.6/88

- sign 3922.625+/-0.545 χ^2/NDF: 3481767.9/45



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: 983.106+/-1271.828 χ^2/NDF: 17.6/22

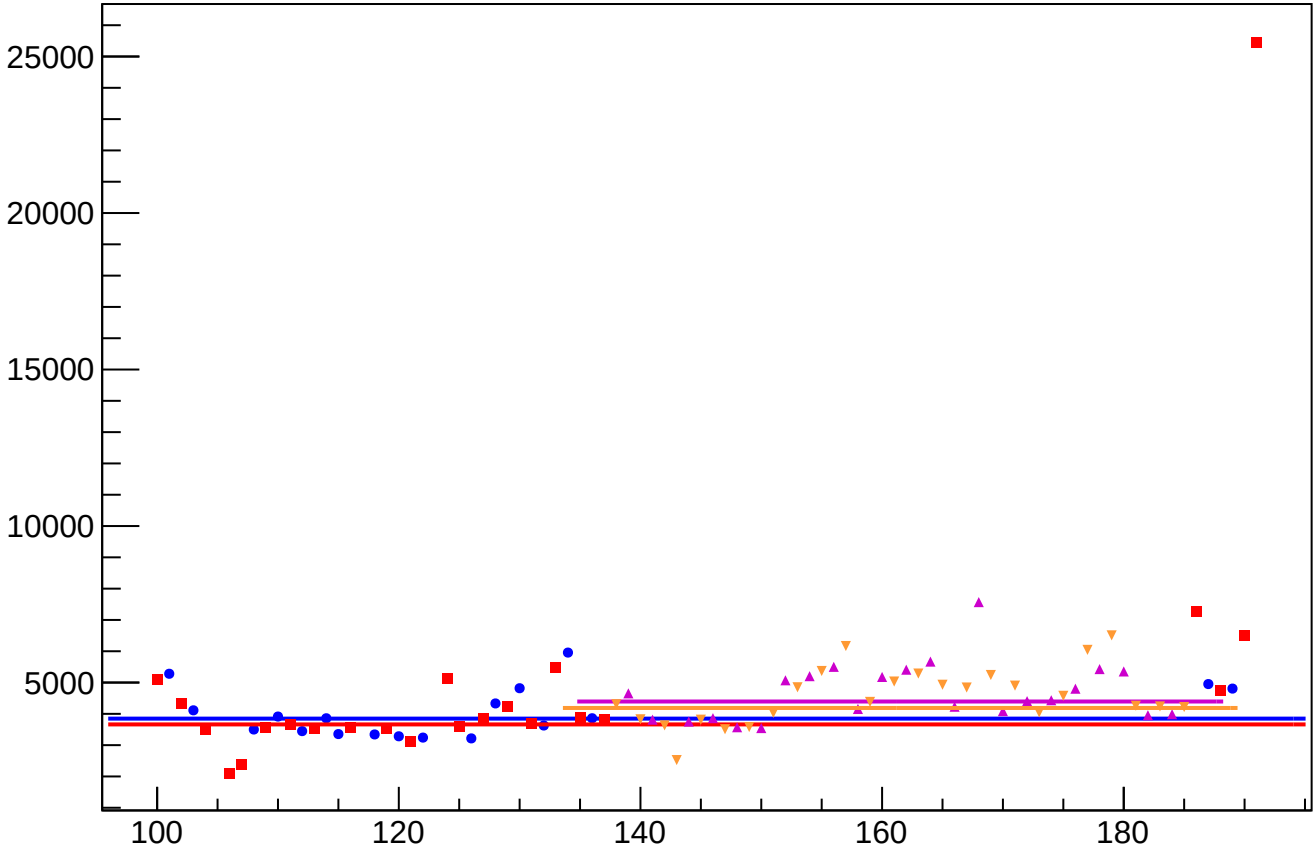
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign -119.914+/-800.716 χ^2/NDF: 46.5/42

All: 283.306+/-568.496 χ^2/NDF: 78.6/88

- sign 693.159+/-807.275 χ^2/NDF: 31.6/45

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

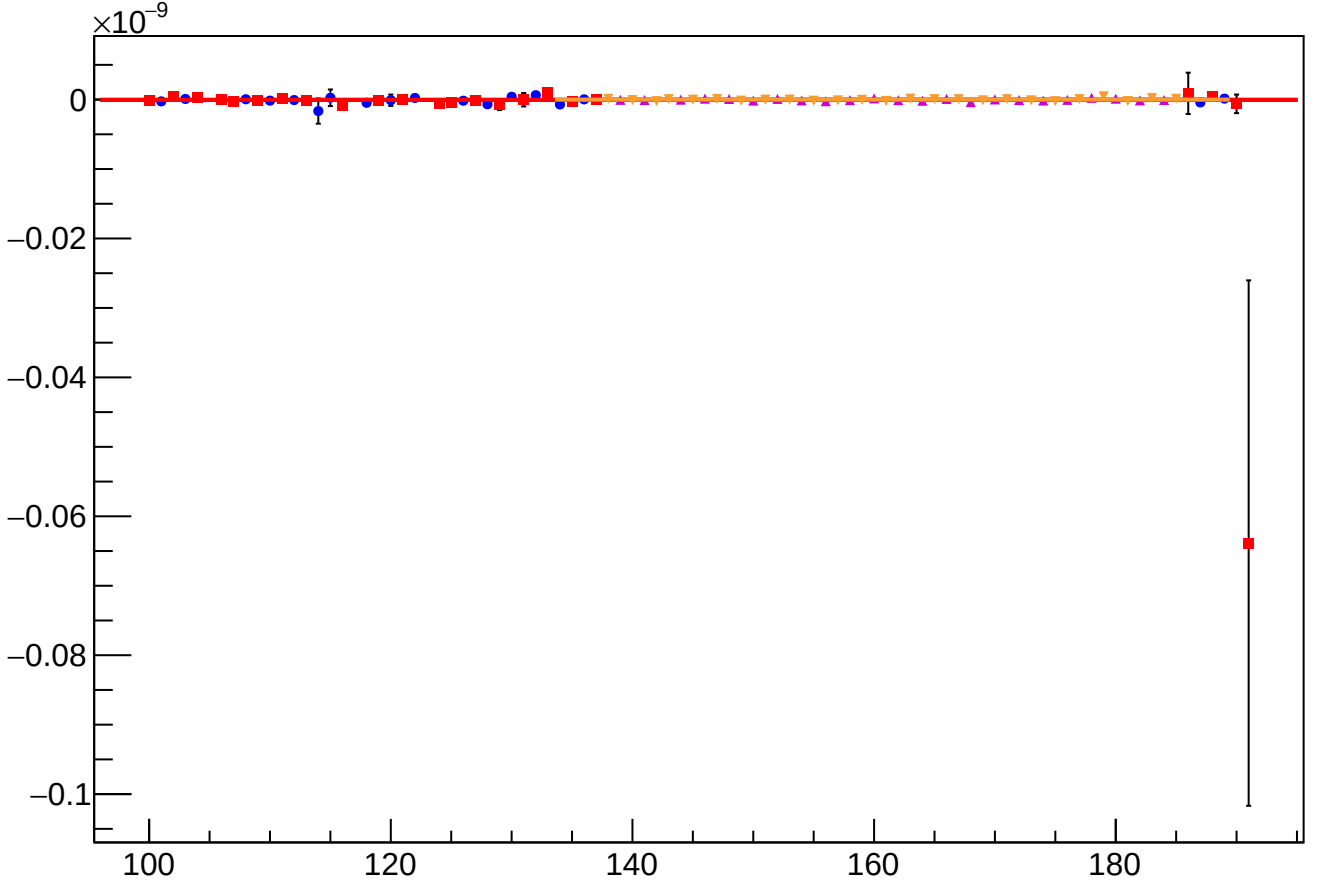
Right Out: 3662.212+/-0.888 χ^2/NDF: 1163470.1/22

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4074.786+/-0.566 χ^2/NDF: 2323459.3/42

All: 4084.844+/-0.401 χ^2/NDF: 4977573.4/88

- sign 4094.965+/-0.568 χ^2/NDF: 2653481.0/45



Right In: -0.000+/-0.000 χ^2/NDF: 17.3/17

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

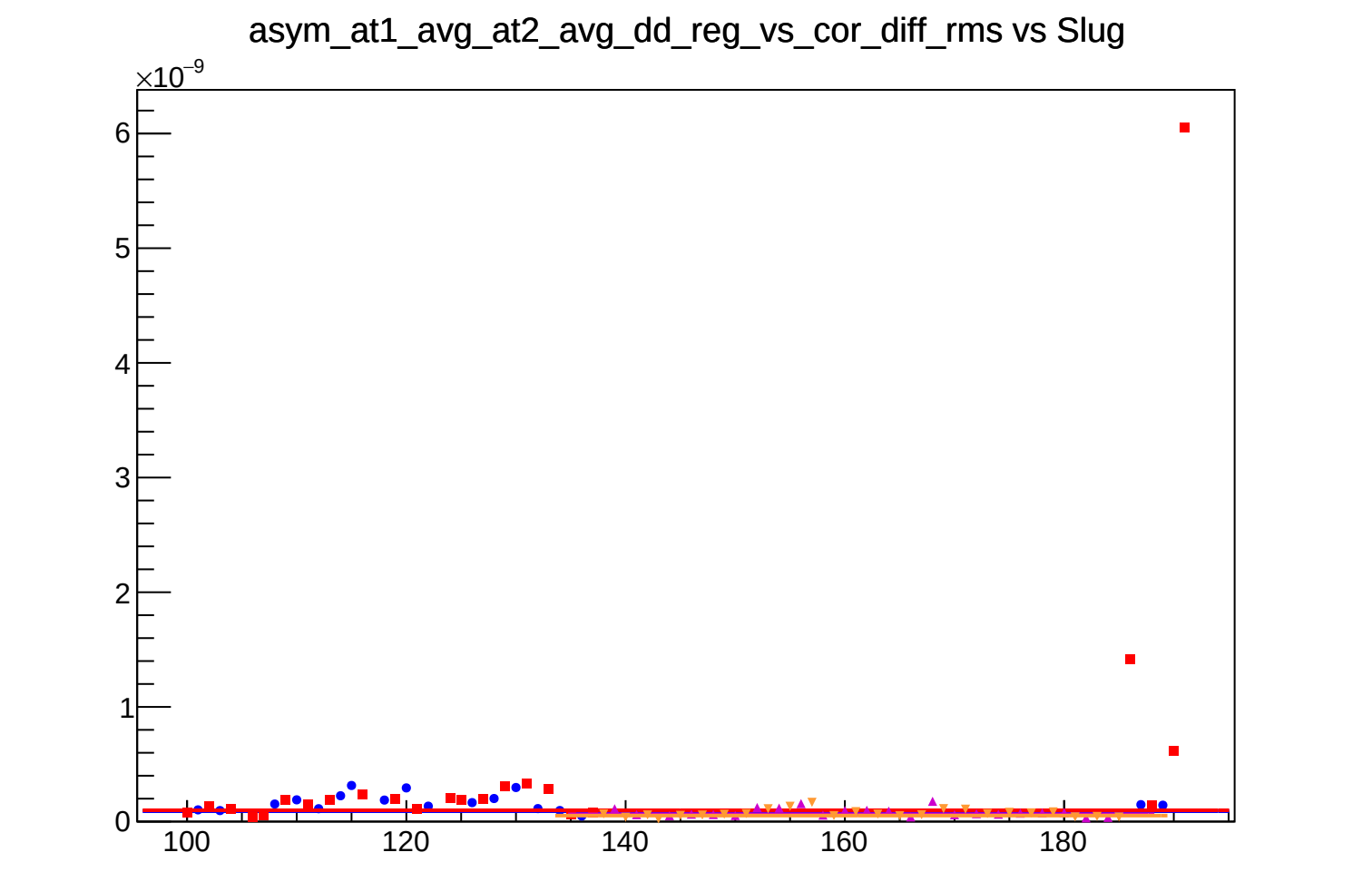
Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/22

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: 86.7/88

- sign -0.000+/-0.000 χ^2/NDF: 38.4/45



Right In: 0.000+/-0.000 χ^2/NDF: 1520132.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

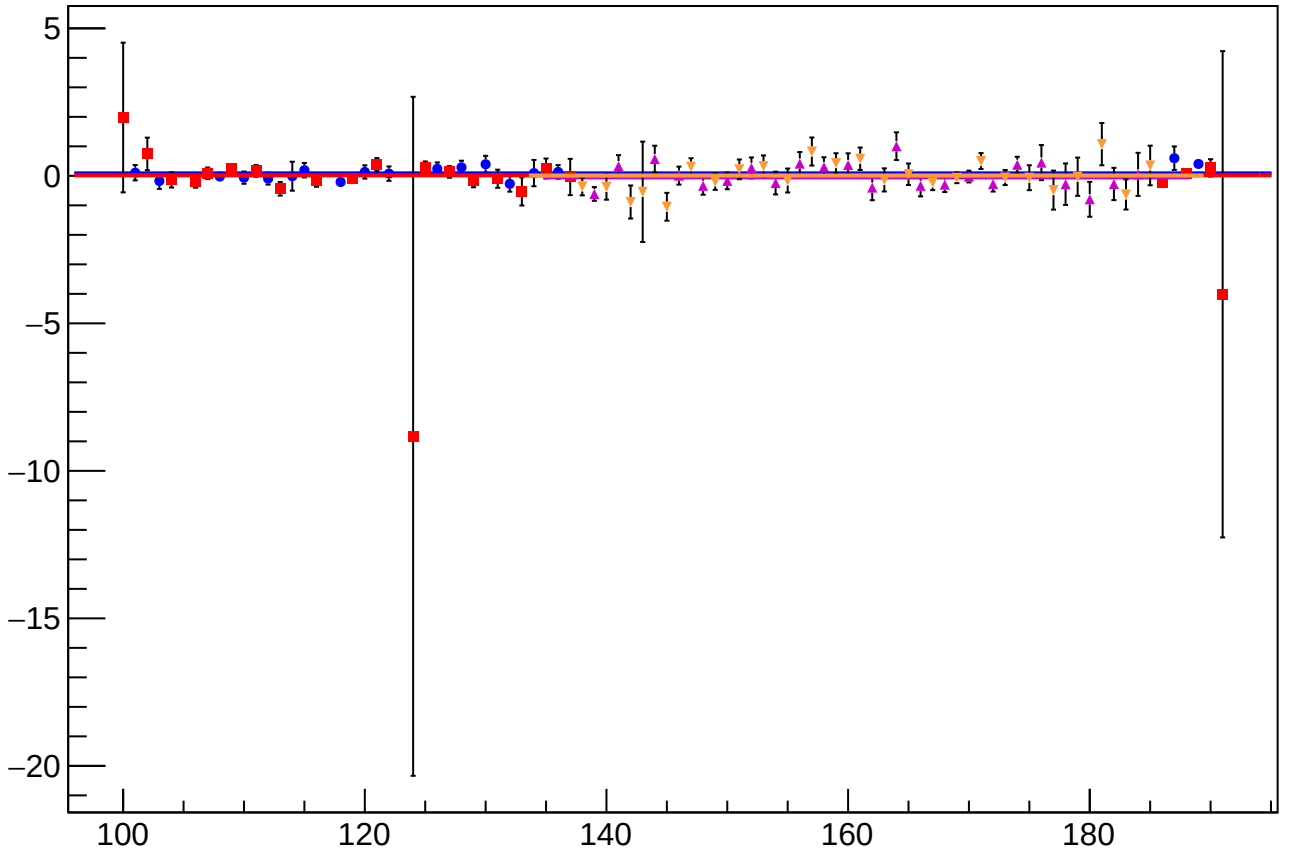
Right Out: 0.000+/-0.000 χ^2/NDF: 2536214.4/22

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: 10038182.8/88

- sign 0.000+/-0.000 χ^2/NDF: 4875468.1/45



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: 0.019+/-0.044 χ^2/NDF: 25.7/22

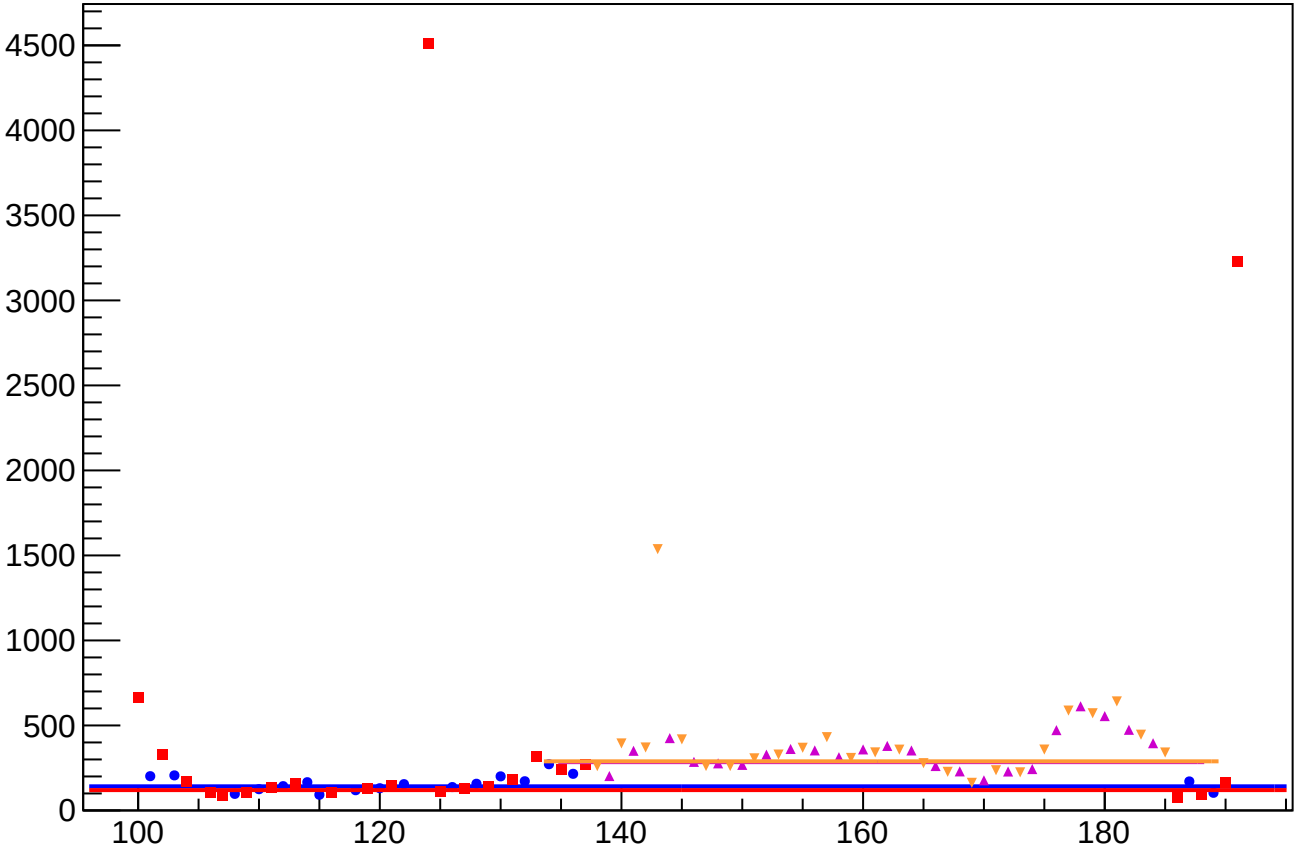
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.057+/-0.043 χ^2/NDF: 46.1/42

All: 0.024+/-0.028 χ^2/NDF: 101.4/88

- sign -0.002+/-0.038 χ^2/NDF: 54.2/45

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: 119.726+/-0.031 χ^2/NDF: 2481719.2/22

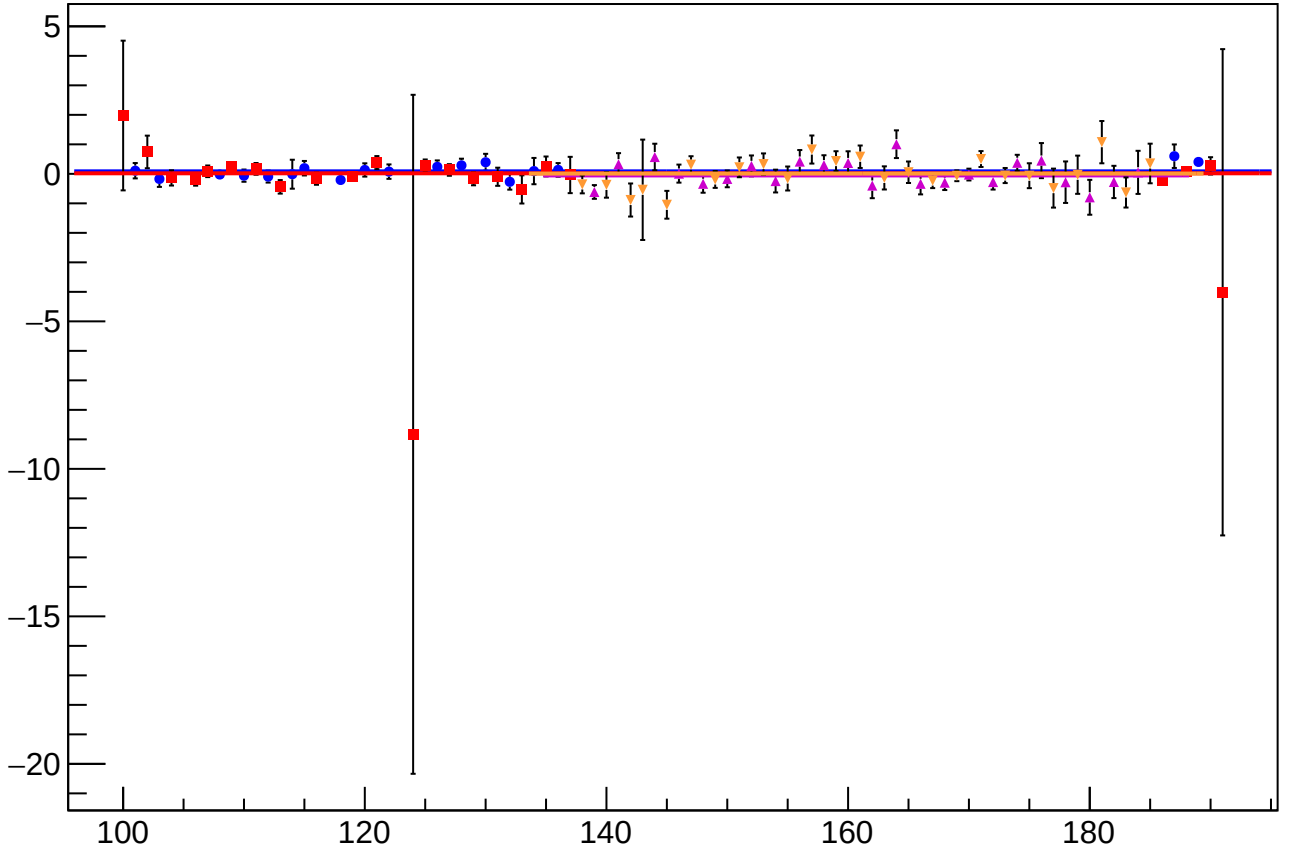
Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 195.074+/-0.030 χ^2/NDF: 11268159.1/42

All: 178.888+/-0.020 χ^2/NDF: 25150299.7/88

- sign 166.400+/-0.027 χ^2/NDF: 13373141.5/45

asym_at1_avg_at2_avg_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

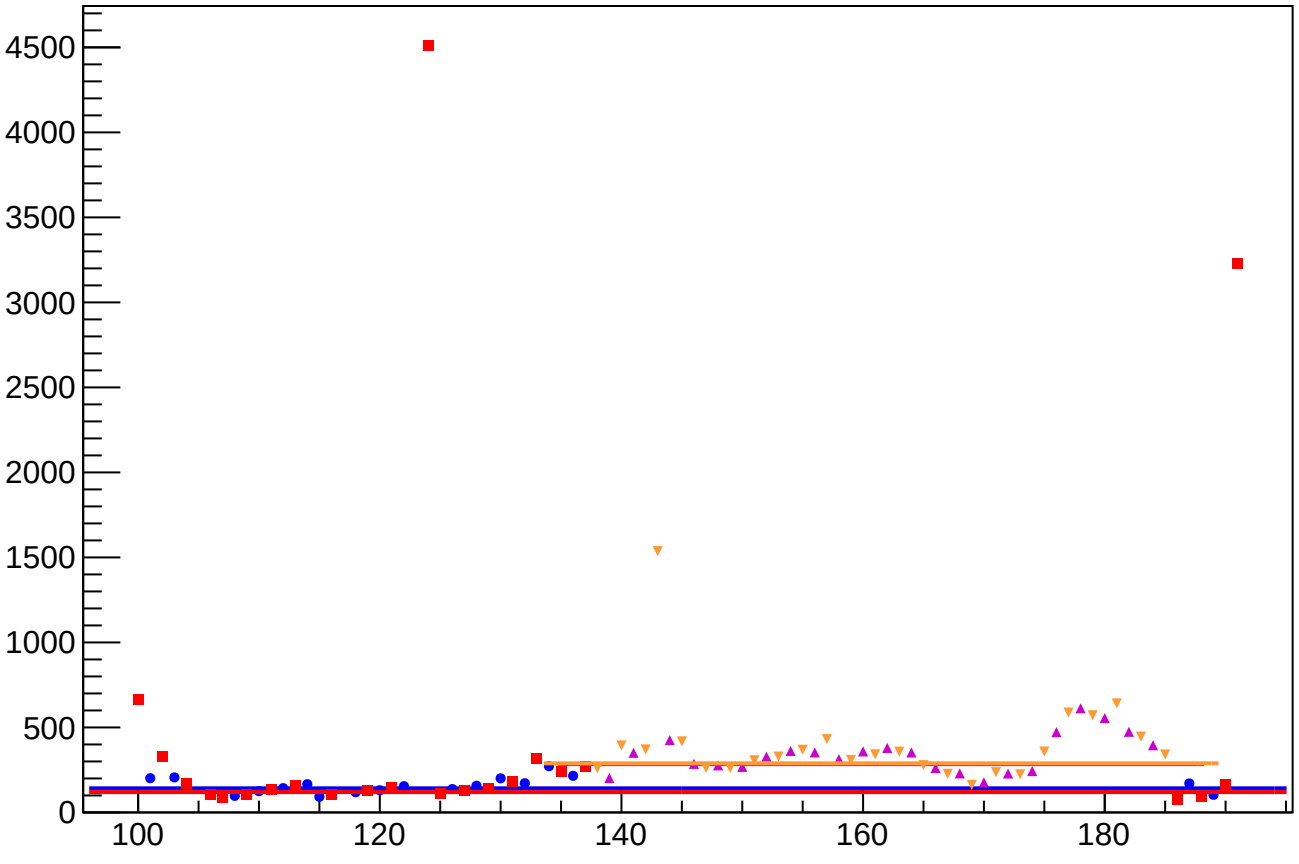
Right Out: 0.019+/-0.044 χ^2/NDF: 25.7/22

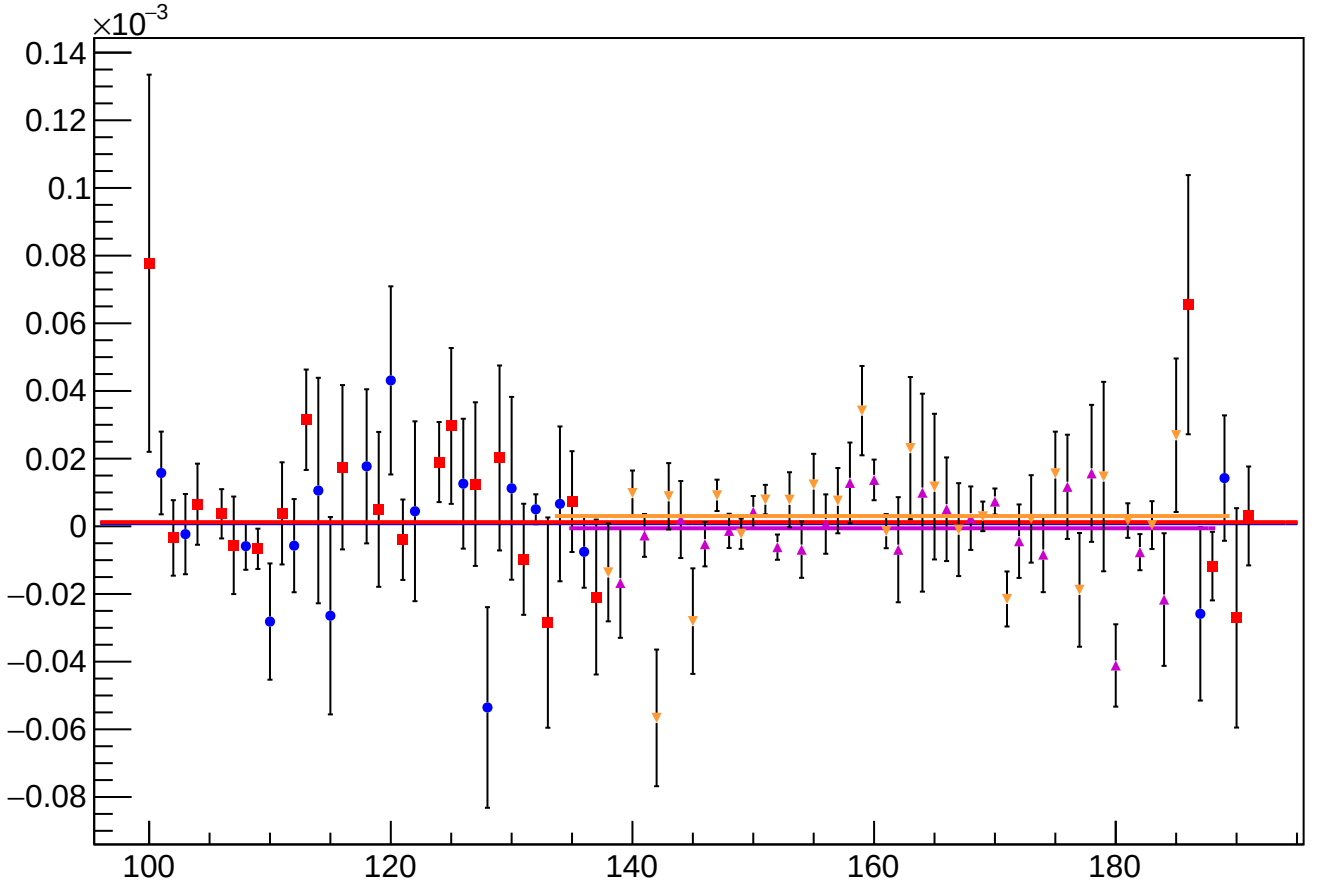
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.057+/-0.043 χ^2/NDF: 46.1/42

All: 0.024+/-0.028 χ^2/NDF: 101.4/88

- sign -0.002+/-0.038 χ^2/NDF: 54.2/45


asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
Right In: 141.924+/-0.038 χ²/NDF: 1149472.7/17
Left Out: 288.922+/-0.050 χ²/NDF:4648197.0/24
Right Out: 119.726+/-0.031 χ²/NDF: 2481719.2/22
Left In: 284.168+/-0.050 χ²/NDF:3077521.1/22
+ sign 195.074+/-0.030 χ²/NDF: 11268159.1/42
All: 178.888+/-0.020 χ²/NDF: 25150299.7/88
- sign 166.400+/-0.027 χ²/NDF: 13373141.5/45



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/17

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

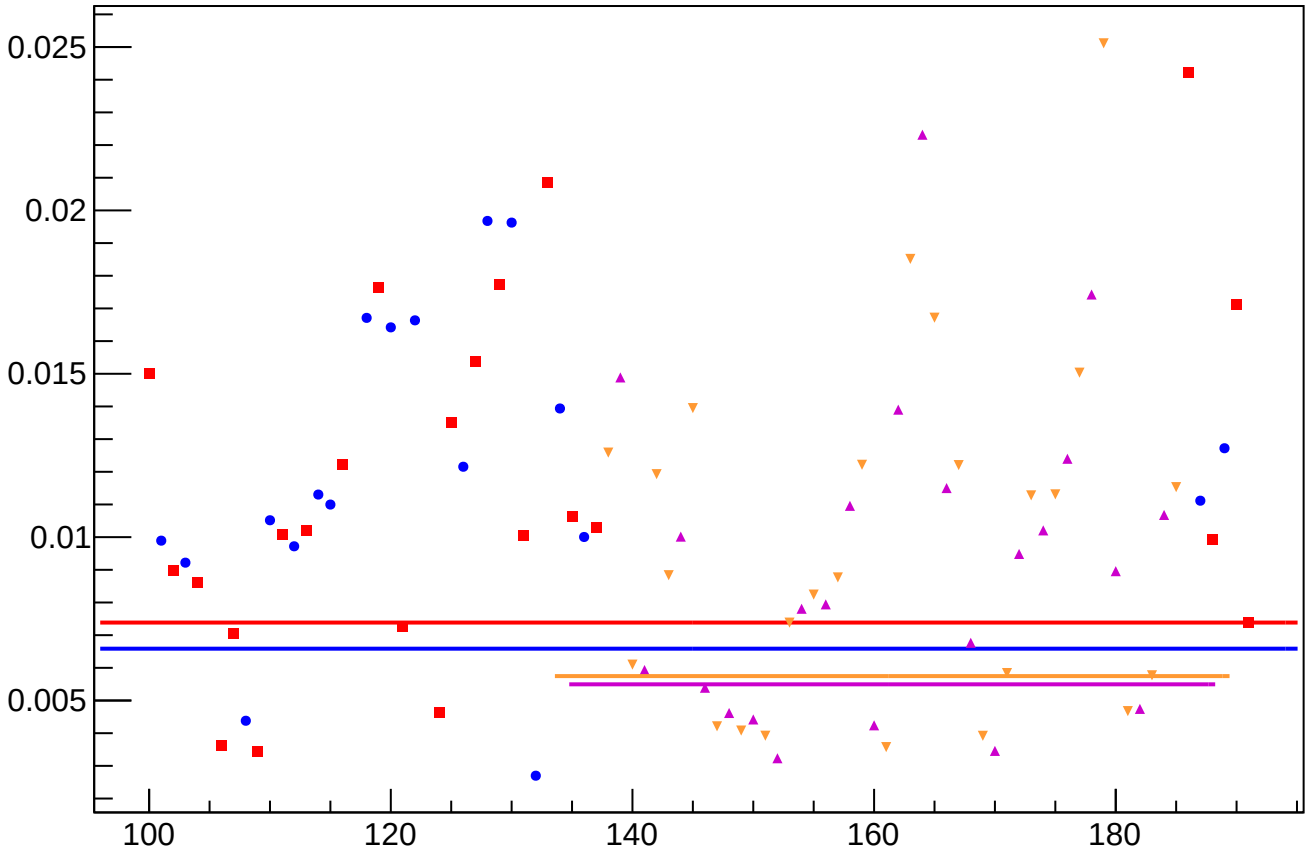
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/22

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: 116.1/88

- sign -0.000+/-0.000 χ^2/NDF: 54.9/45



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: 4140337.9/22

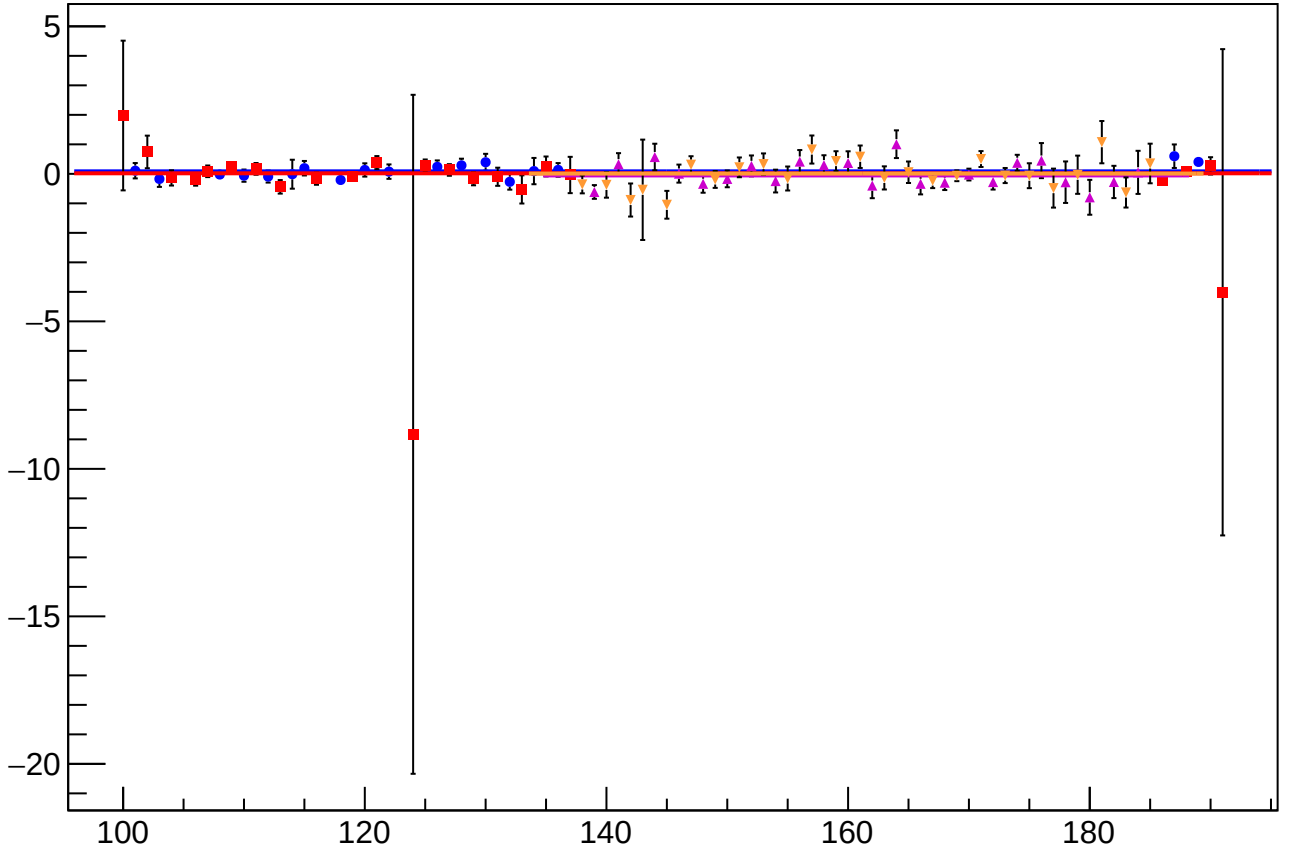
Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

\+ sign 0.006+/-0.000 χ^2/NDF: 13193582.6/42

All: 0.006+/-0.000 χ^2/NDF: 24969929.0/88

\- sign 0.006+/-0.000 χ^2/NDF: 11776283.1/45

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

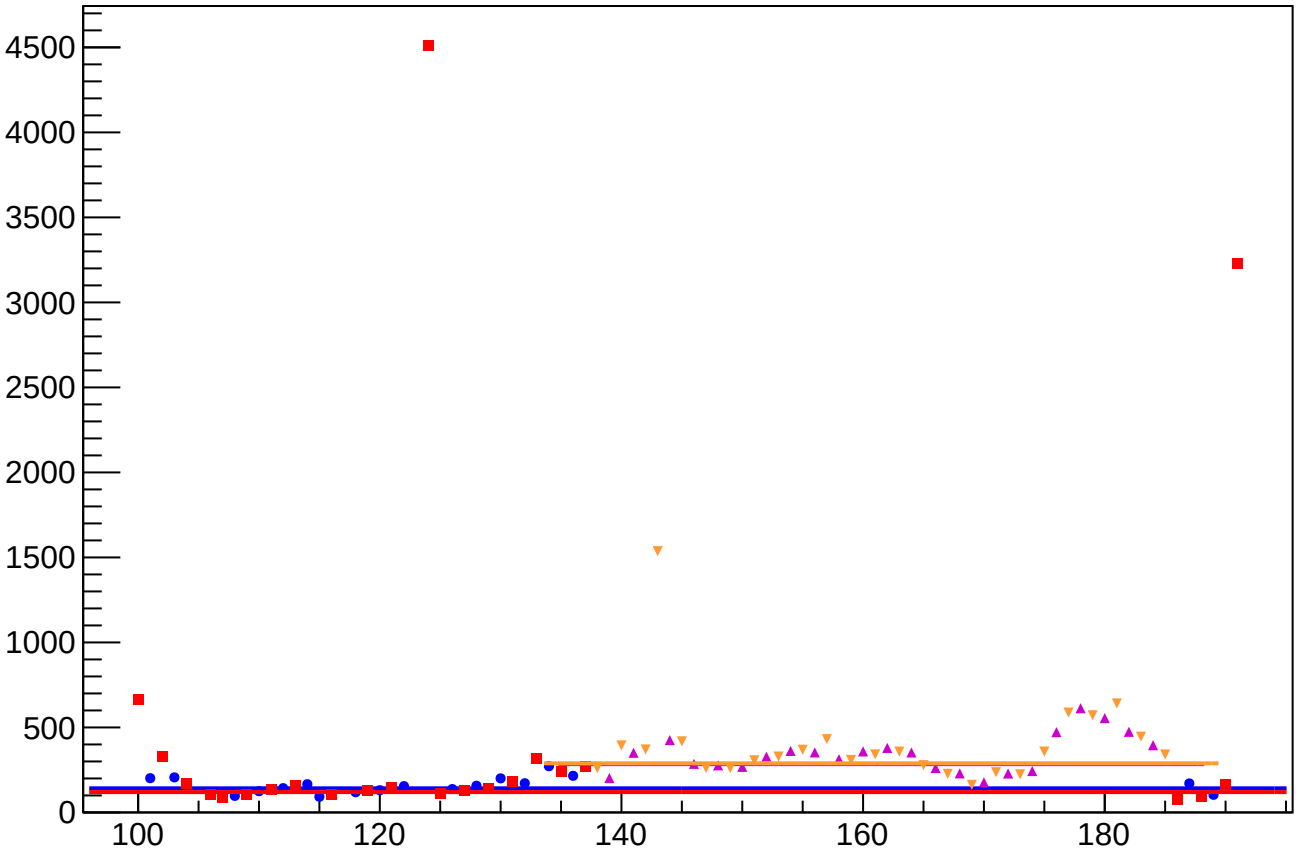
Right Out: 0.019+/-0.044 χ^2/NDF: 25.7/22

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.057+/-0.043 χ^2/NDF: 46.1/42

All: 0.024+/-0.028 χ^2/NDF: 101.4/88

- sign -0.002+/-0.038 χ^2/NDF: 54.2/45



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: 119.727+/-0.031 χ^2/NDF: 2481570.6/22

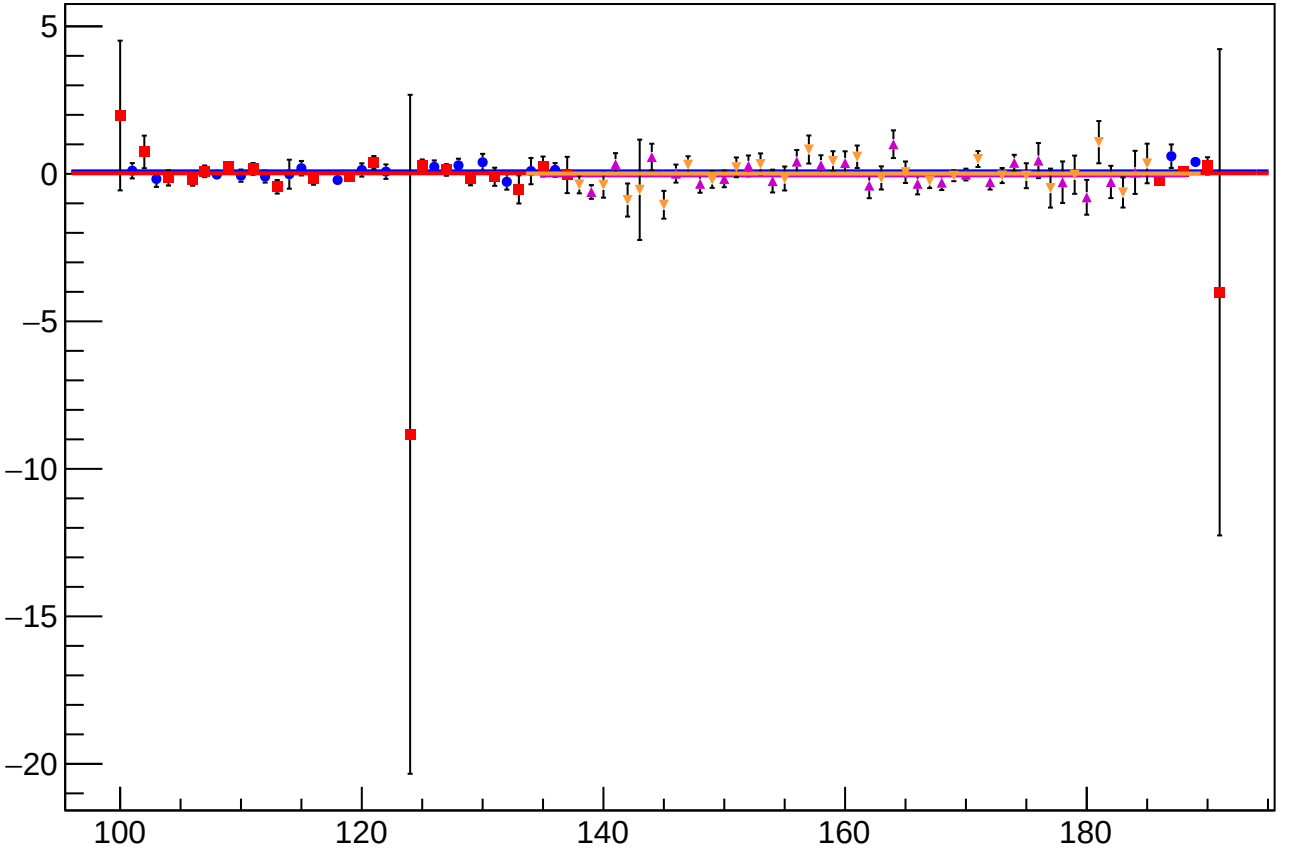
Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 195.073+/-0.030 χ^2/NDF: 11268366.3/42

All: 178.888+/-0.020 χ^2/NDF: 25150230.6/88

- sign 166.402+/-0.027 χ^2/NDF: 13372962.0/45

asym_at1_avg_at2_avg_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

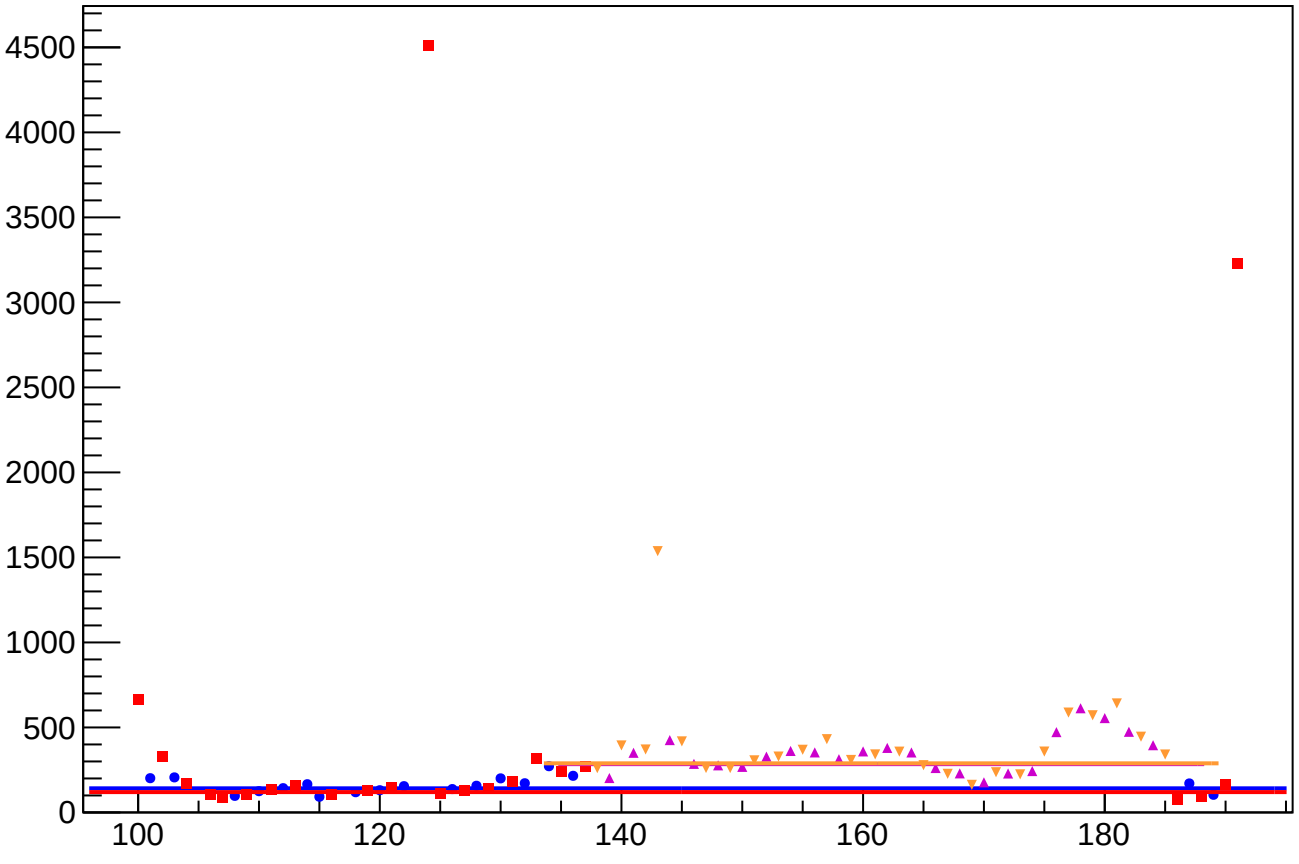
Right Out: 0.019+/-0.044 χ^2/NDF: 25.7/22

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.057+/-0.043 χ^2/NDF: 46.1/42

All: 0.024+/-0.028 χ^2/NDF: 101.4/88

- sign -0.002+/-0.038 χ^2/NDF: 54.2/45



Right In: 141.923+/-0.038 χ^2/NDF: 1149435.7/17

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

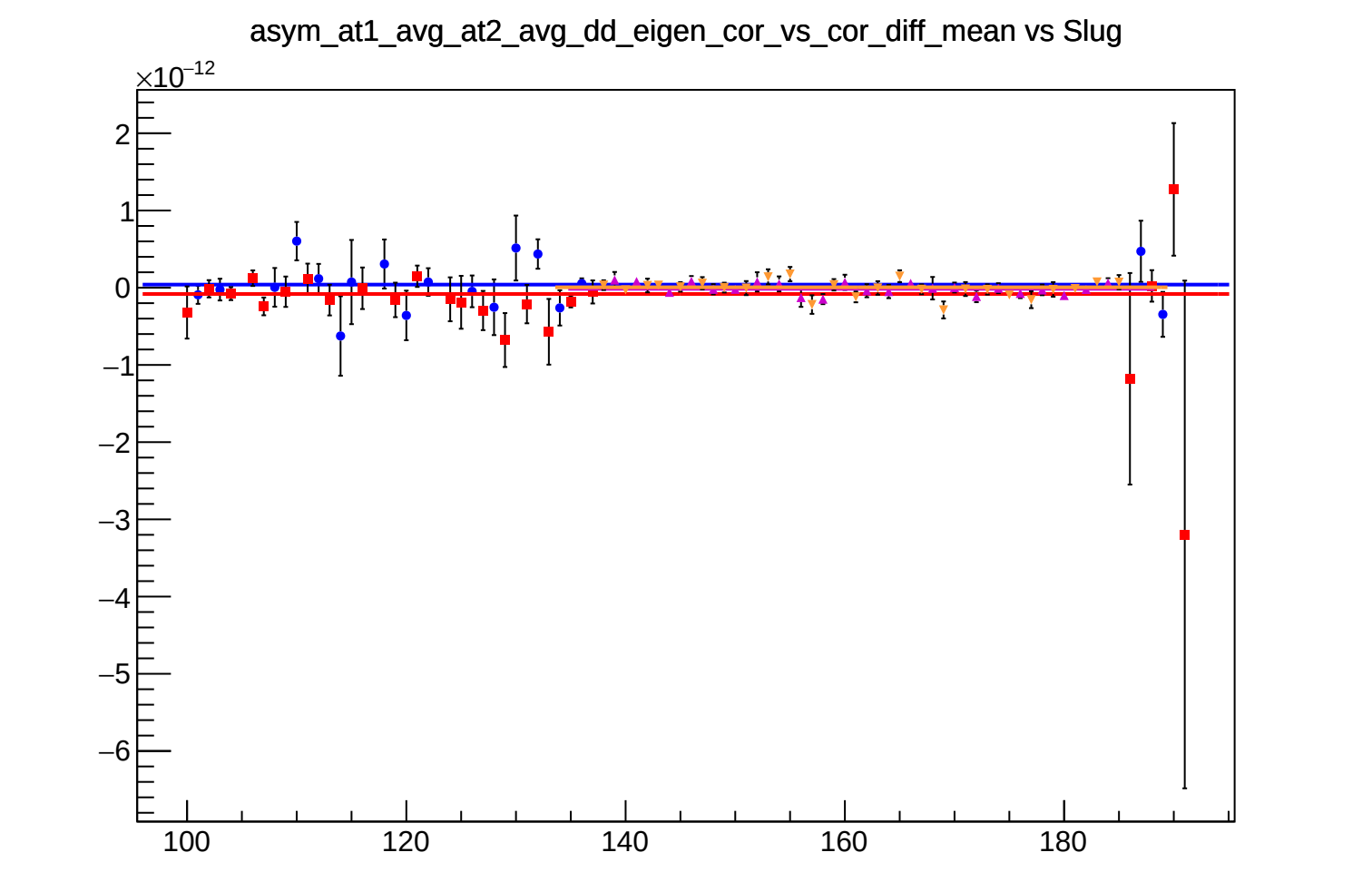
Right Out: 119.727+/-0.031 χ^2/NDF: 2481570.6/22

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 195.073+/-0.030 χ^2/NDF: 11268366.3/42

All: 178.888+/-0.020 χ^2/NDF: 25150230.6/88

- sign 166.402+/-0.027 χ^2/NDF: 13372962.0/45



Right In: 0.000+/-0.000 χ^2/NDF: 21.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

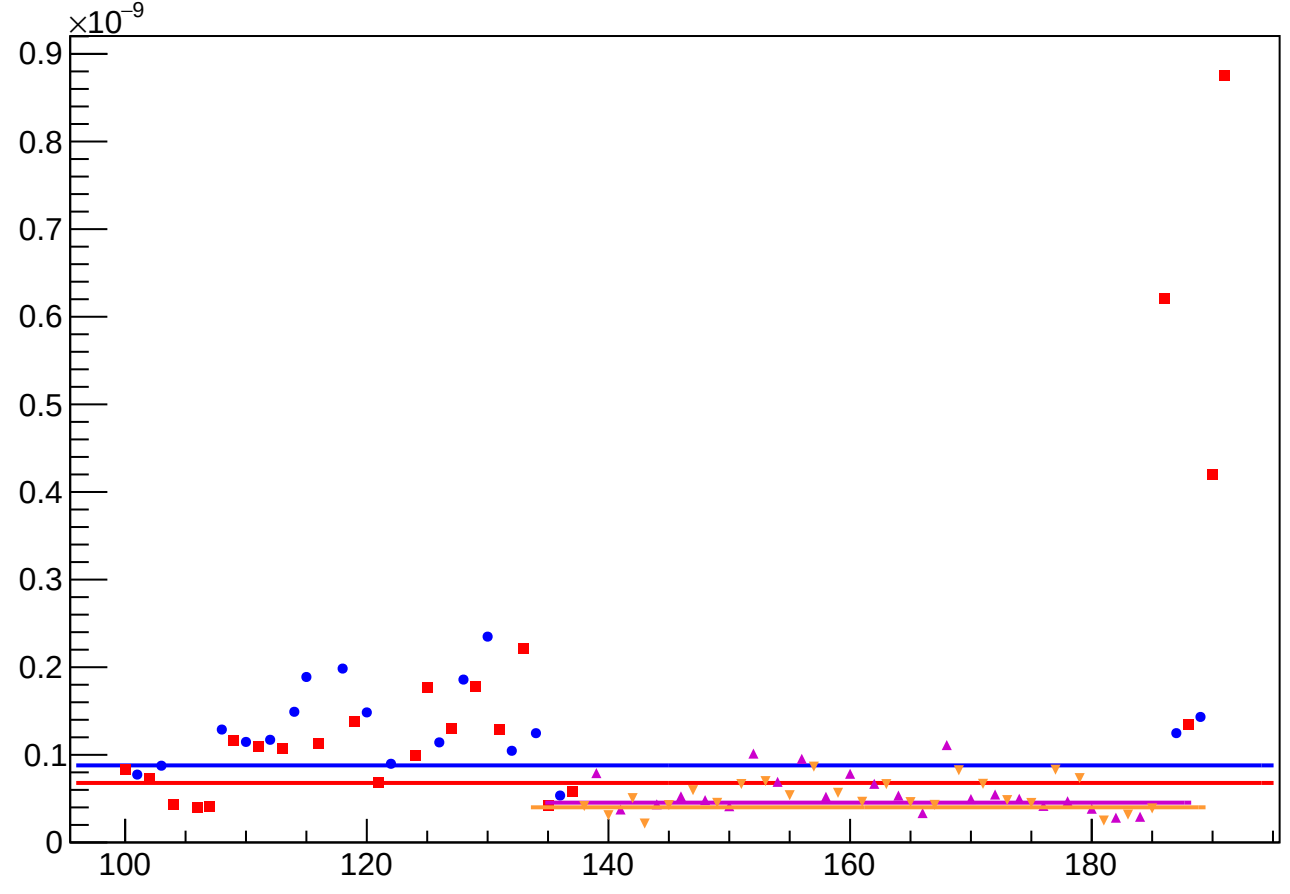
Right Out: -0.000+/-0.000 χ^2/NDF: 22.5/22

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: 109.3/88

- sign -0.000+/-0.000 χ^2/NDF: 49.1/45



Right In: 0.000+/-0.000 χ^2/NDF: 1658110.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

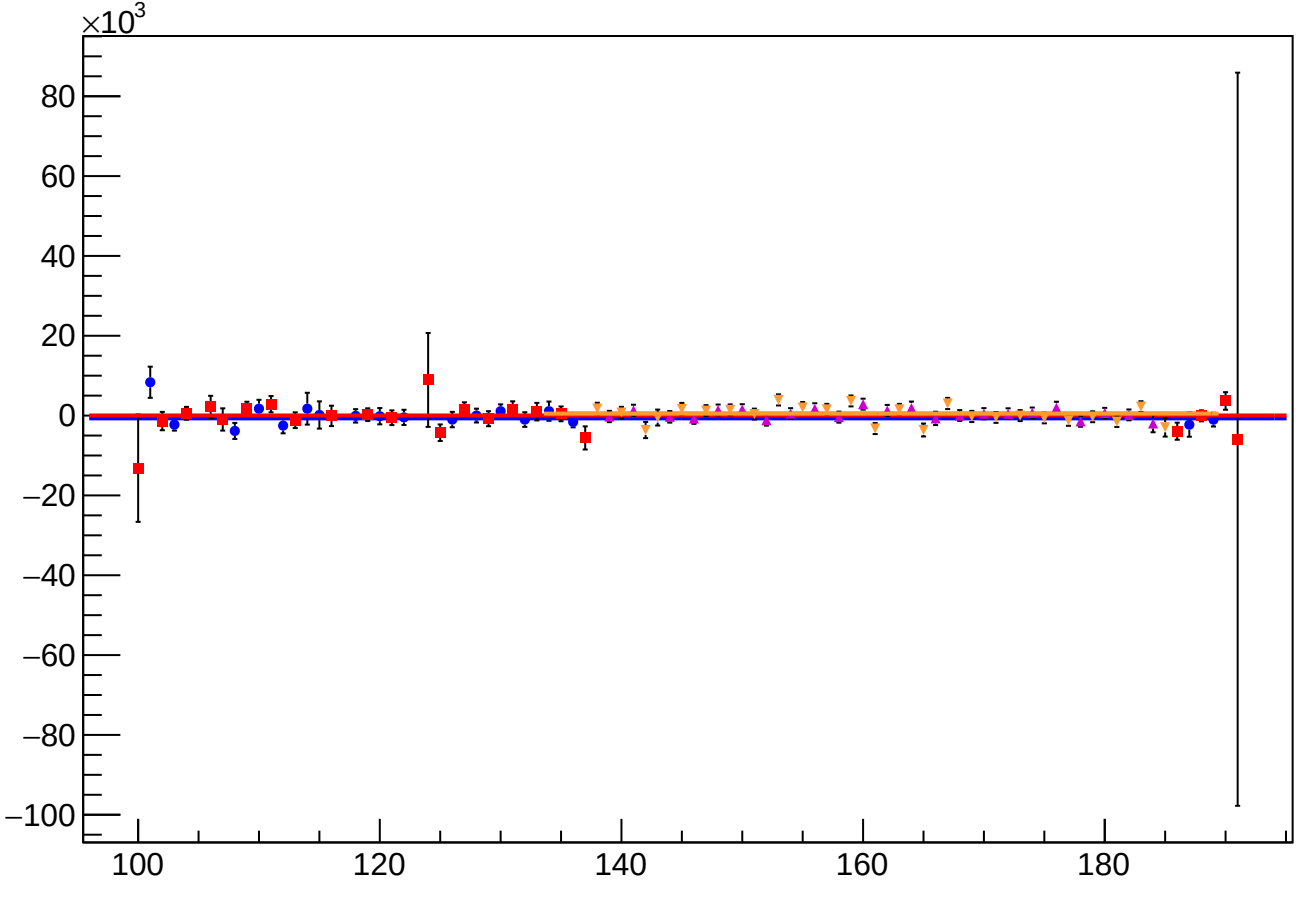
Right Out: 0.000+/-0.000 χ^2/NDF: 3167915.4/22

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 7654655.6/42

All: 0.000+/-0.000 χ^2/NDF: 14517273.1/88

- sign 0.000+/-0.000 χ^2/NDF: 6712975.9/45



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: 30.006+/-440.408 χ^2/NDF: 22.0/22

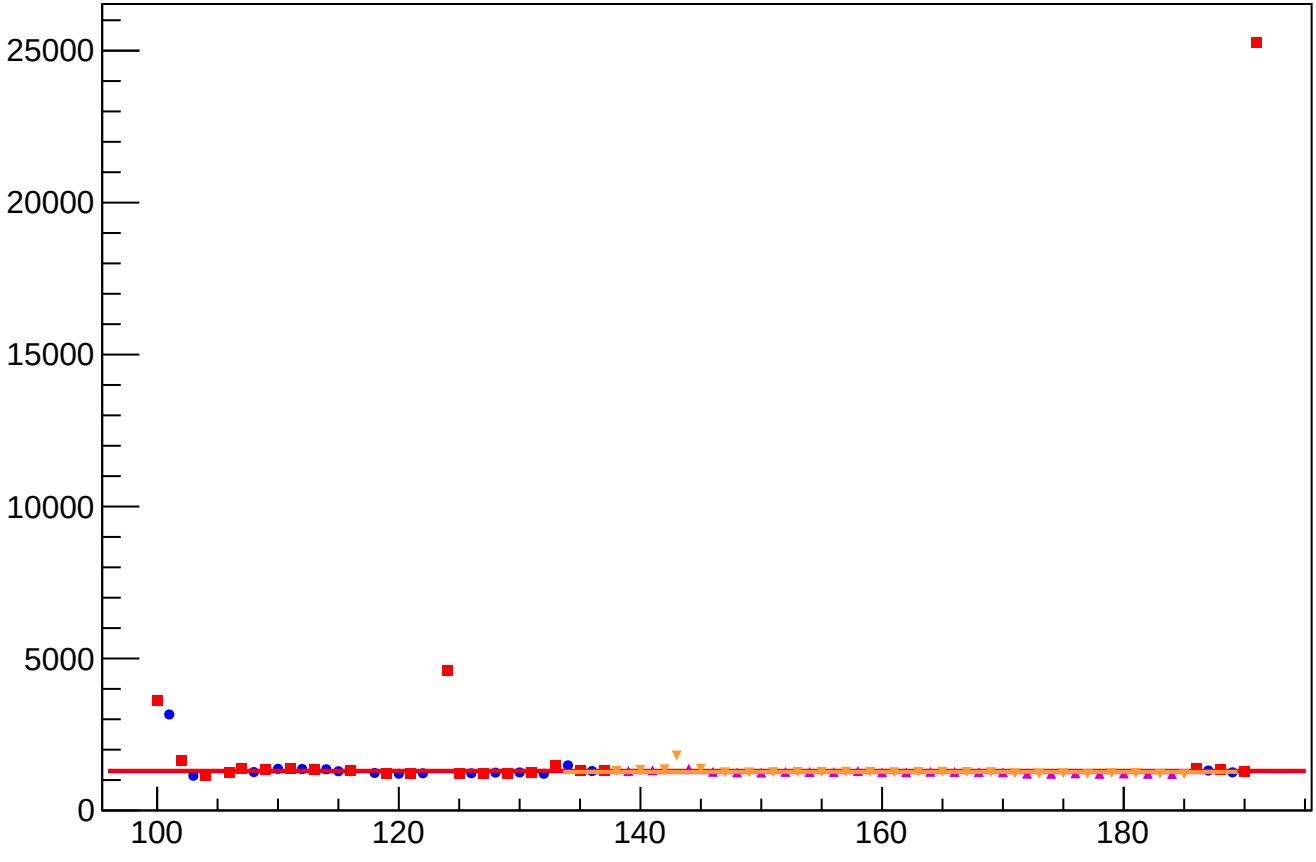
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 160.790+/-245.075 χ^2/NDF: 65.9/42

All: 253.732+/-173.051 χ^2/NDF: 103.3/88

- sign 346.154+/-244.389 χ^2/NDF: 37.2/45

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

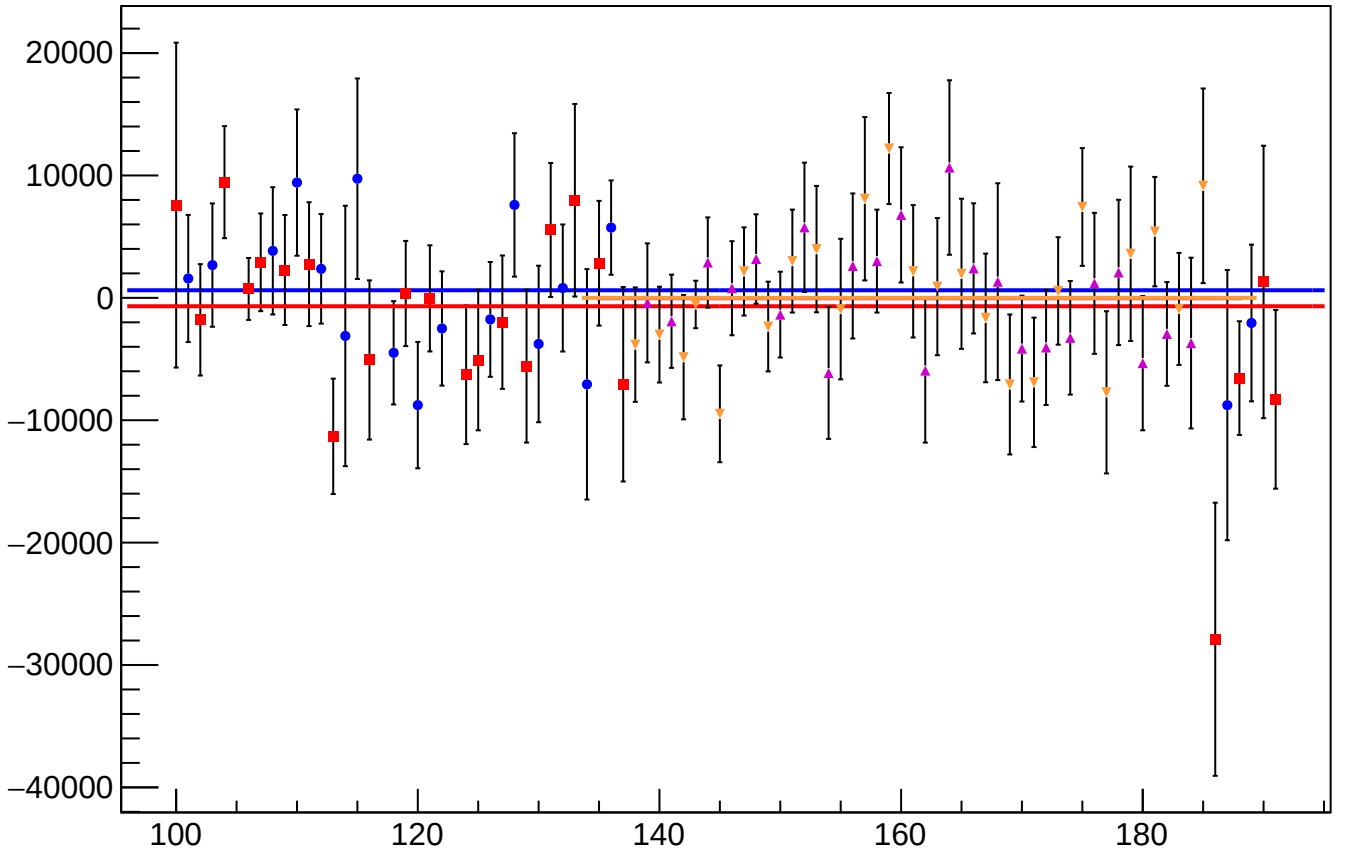
Right Out: 1306.165+/-0.311 χ^2/NDF: 464347.1/22

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1272.677+/-0.173 χ^2/NDF: 705950.0/42

All: 1272.621+/-0.122 χ^2/NDF: 1224028.4/88

- sign 1272.565+/-0.173 χ^2/NDF: 518078.2/45



Right In: 620.492+/-1288.899 χ^2/NDF: 15.0/17

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

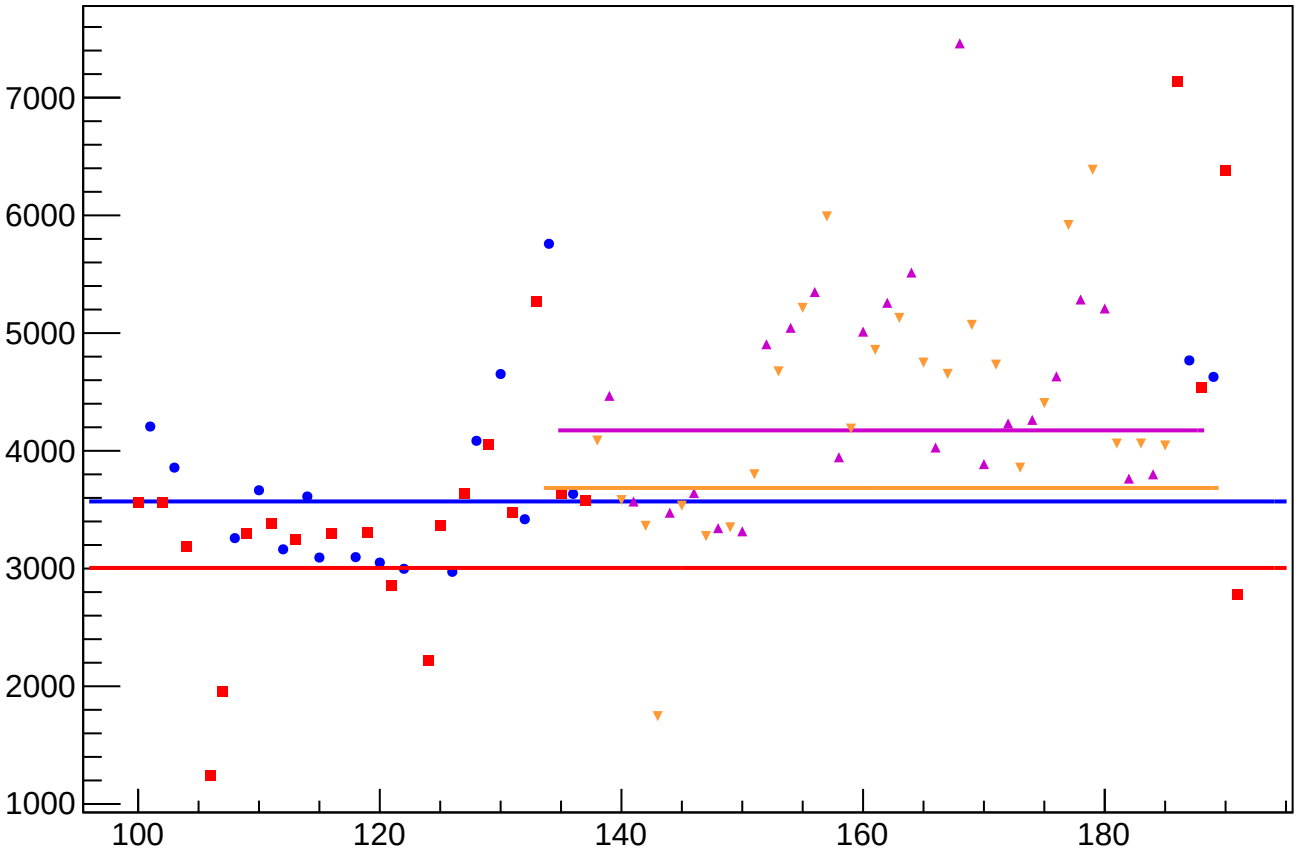
Right Out: -684.995+/-1059.241 χ^2/NDF: 27.5/22

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign 198.853+/-730.405 χ^2/NDF: 44.2/42

All: -71.434+/-514.679 χ^2/NDF: 86.2/88

- sign -337.994+/-725.354 χ^2/NDF: 41.8/45



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: 3005.128+/-0.749 χ^2/NDF: 2218383.6/22

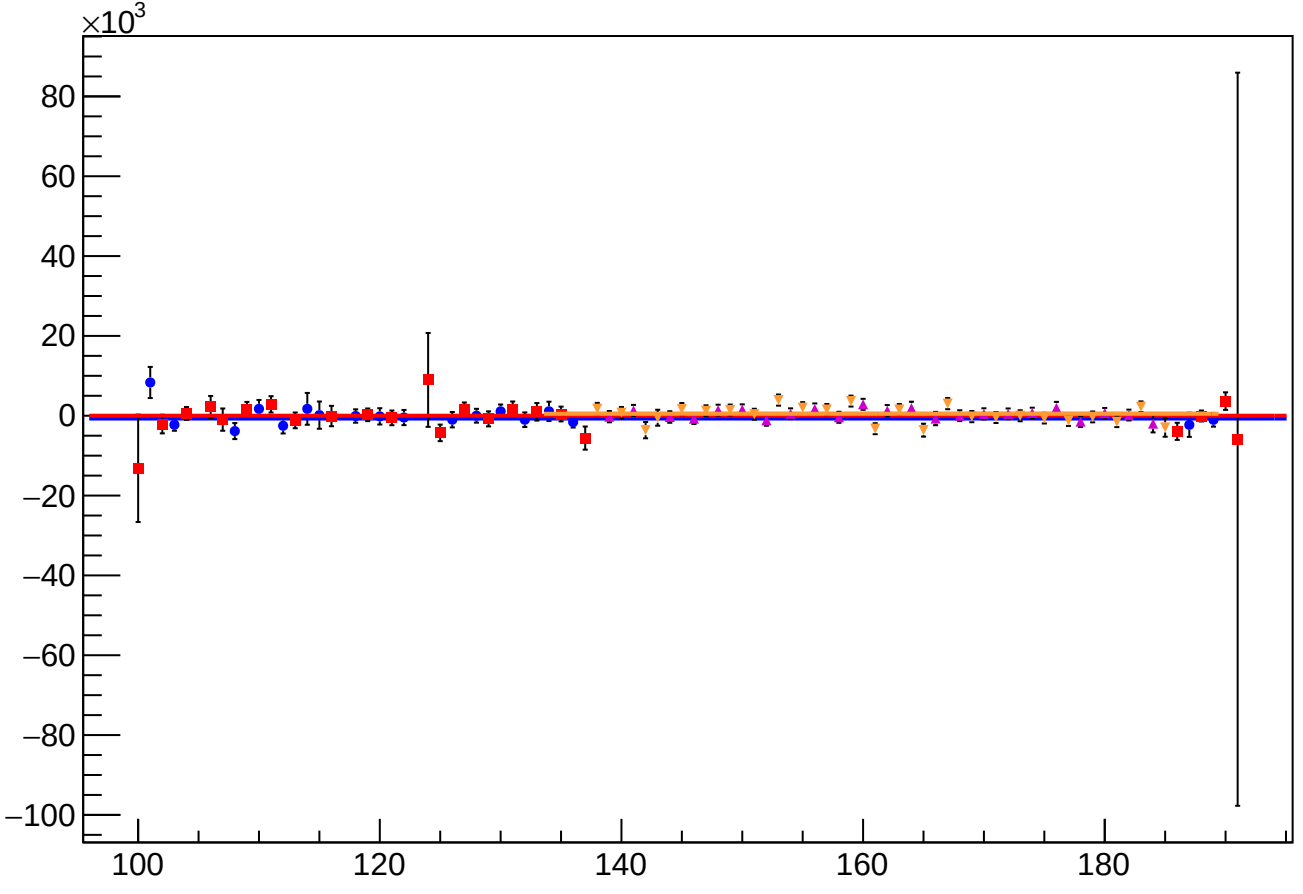
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3647.905+/-0.516 χ^2/NDF: 4140994.7/42

All: 3636.696+/-0.364 χ^2/NDF: 8927676.9/88

- sign 3625.642+/-0.513 χ^2/NDF: 4785746.7/45

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: 6.324+/-440.646 χ^2/NDF: 22.4/22

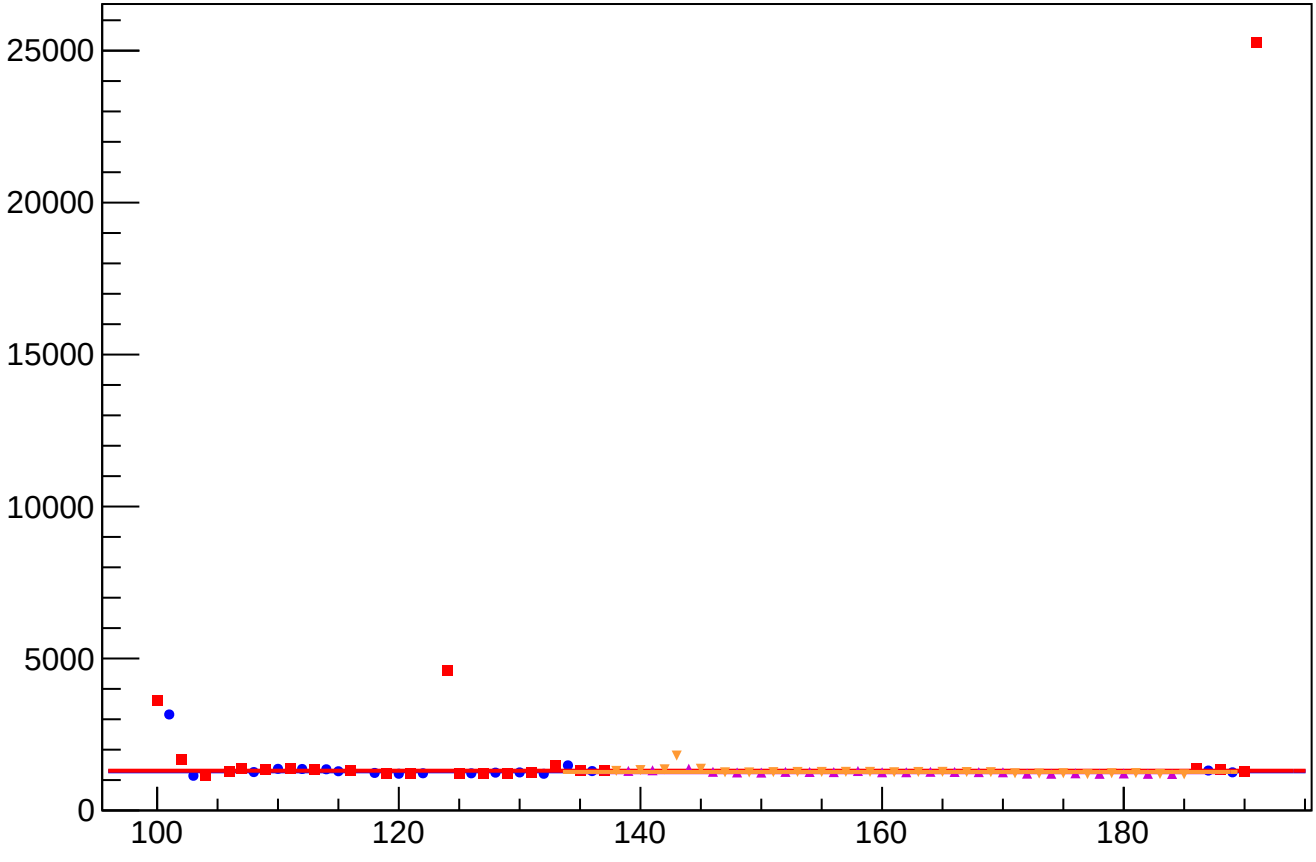
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 160.700+/-245.075 χ^2/NDF: 65.8/42

All: 250.036+/-173.065 χ^2/NDF: 103.8/88

- sign 338.902+/-244.429 χ^2/NDF: 37.7/45

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

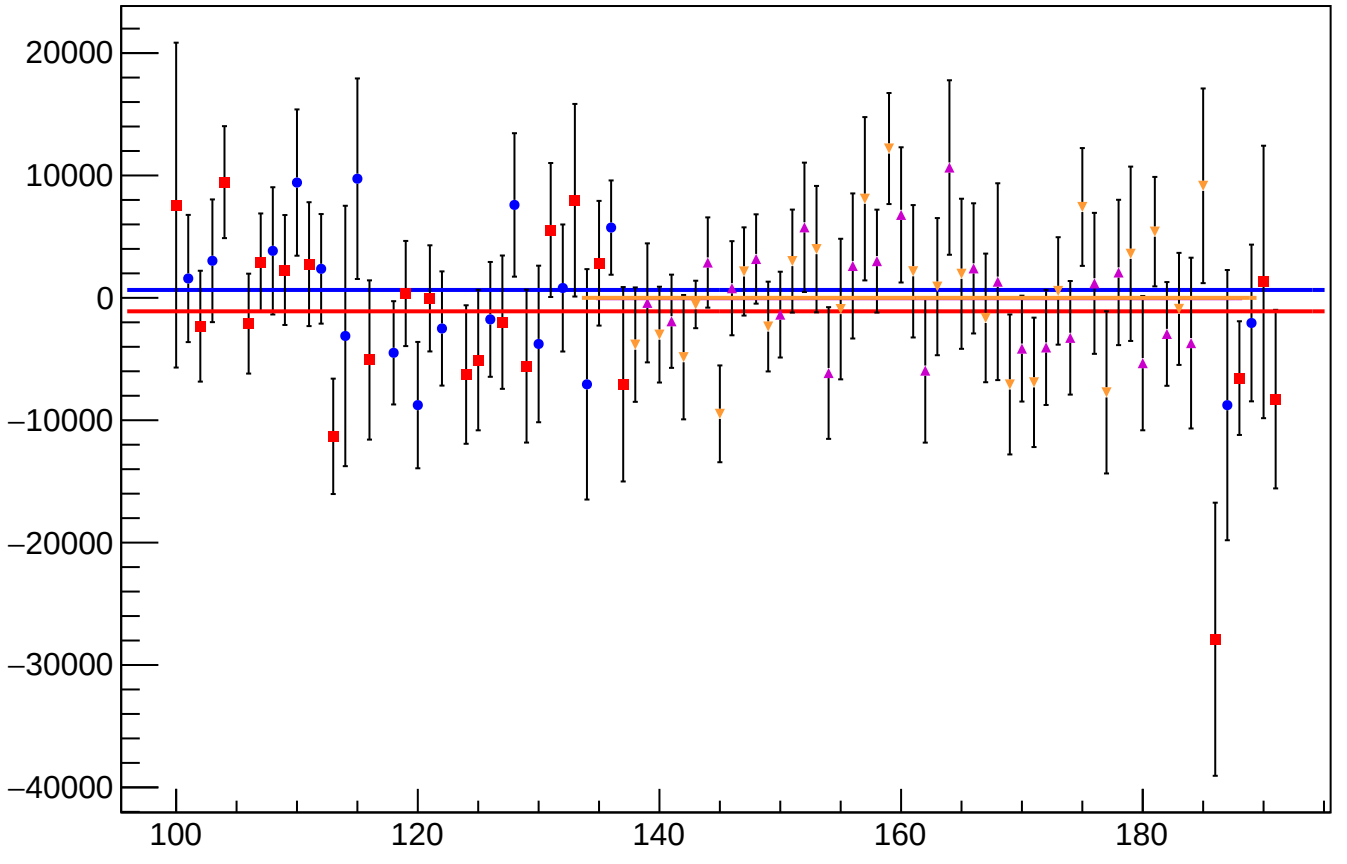
Right Out: 1307.837+/-0.311 χ^2/NDF: 470627.6/22

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1272.676+/-0.173 χ^2/NDF: 705951.4/42

All: 1272.867+/-0.122 χ^2/NDF: 1231466.8/88

- sign 1273.057+/-0.173 χ^2/NDF: 525513.0/45



Right In: 644.987+/-1288.480 χ^2/NDF: 15.0/17

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

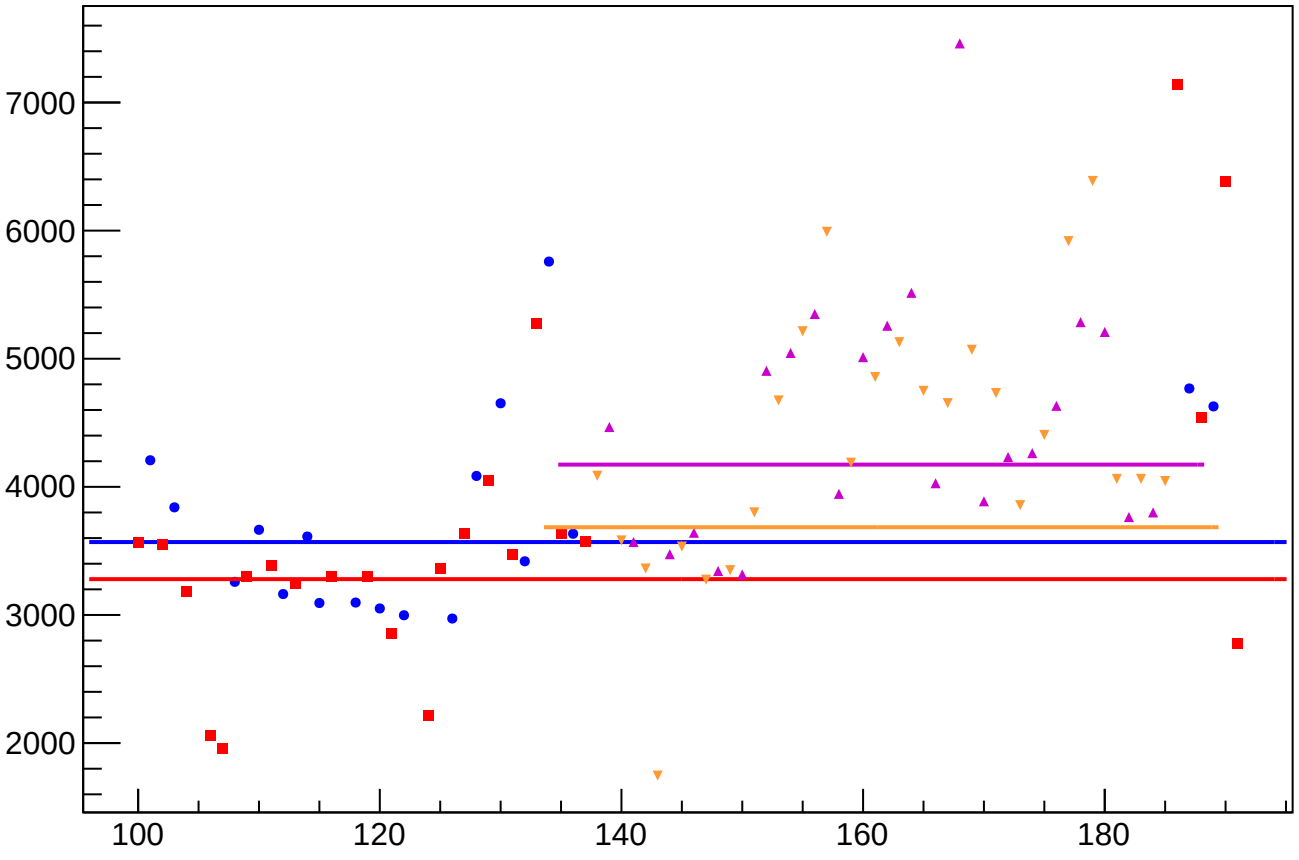
Right Out: -1100.868+/-1121.138 χ^2/NDF: 27.3/22

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 206.853+/-730.329 χ^2/NDF: 44.2/42

All: -141.286+/-521.301 χ^2/NDF: 86.5/88

- sign -502.905+/-744.334 χ^2/NDF: 41.8/45



Right In: 3569.073+/-0.911 χ^2/NDF: 435971.5/17

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

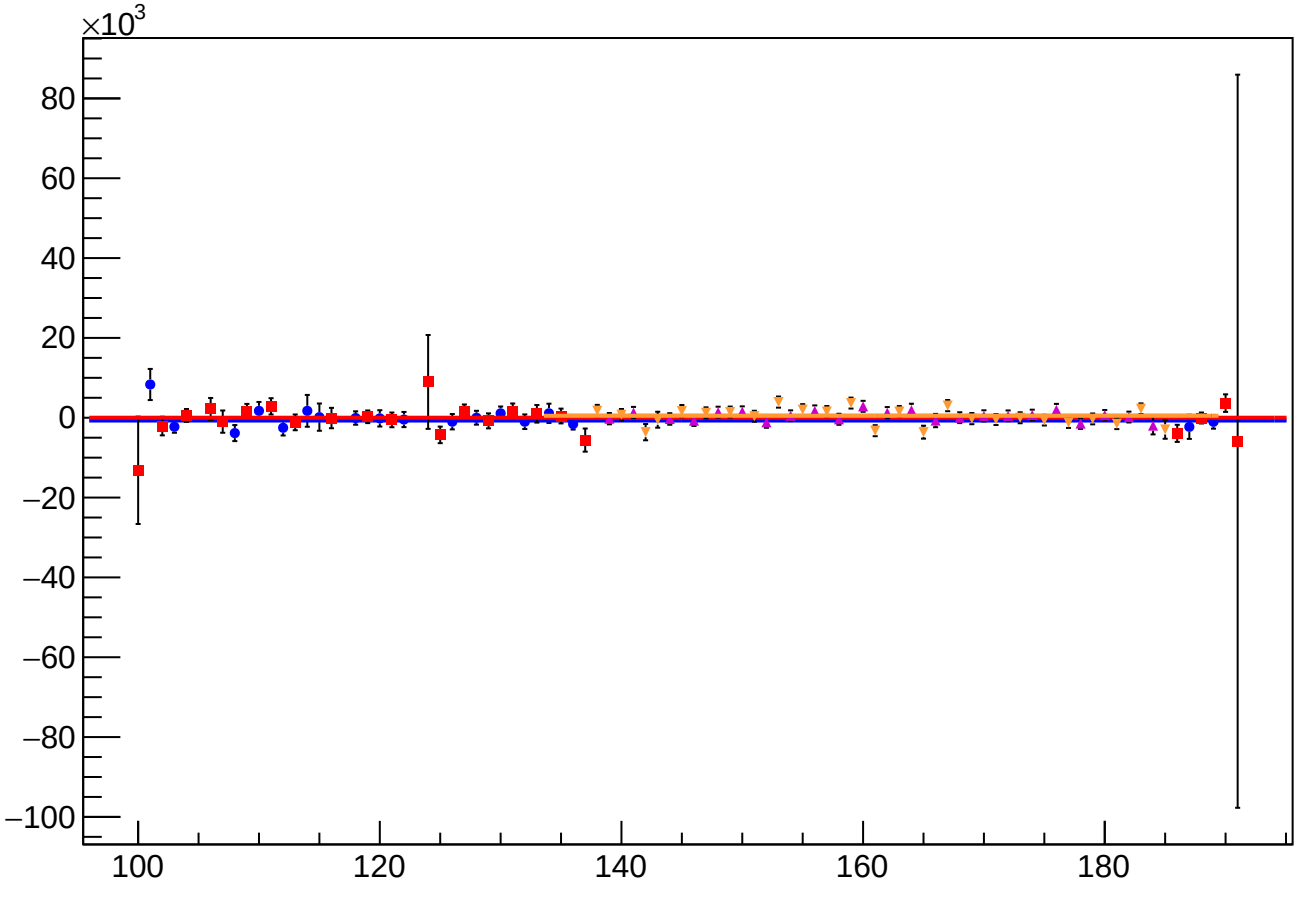
Right Out: 3279.674+/-0.793 χ^2/NDF: 1231847.1/22

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3647.593+/-0.516 χ^2/NDF: 4140602.0/42

All: 3712.319+/-0.369 χ^2/NDF: 7390415.7/88

- sign 3779.551+/-0.526 χ^2/NDF: 3217787.5/45



Right In: -698.399+/-464.513 χ^2/NDF: 14.2/17

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

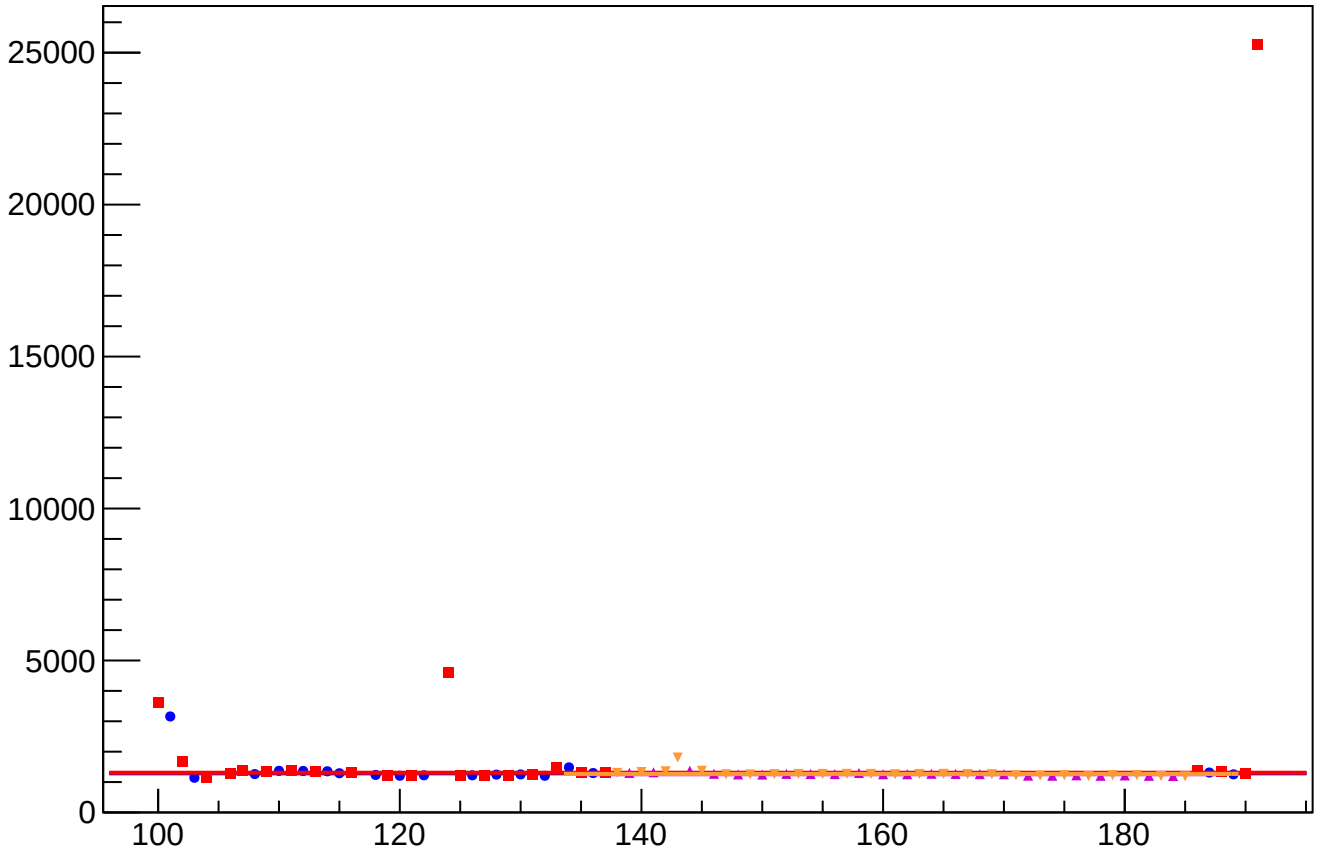
Right Out: 6.324+/-440.646 χ^2/NDF: 22.4/22

Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 160.700+/-245.075 χ^2/NDF: 65.8/42

All: 250.036+/-173.065 χ^2/NDF: 103.8/88

- sign 338.902+/-244.429 χ^2/NDF: 37.7/45



Right In: 1287.477+/-0.328 χ^2/NDF: 515592.2/17

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

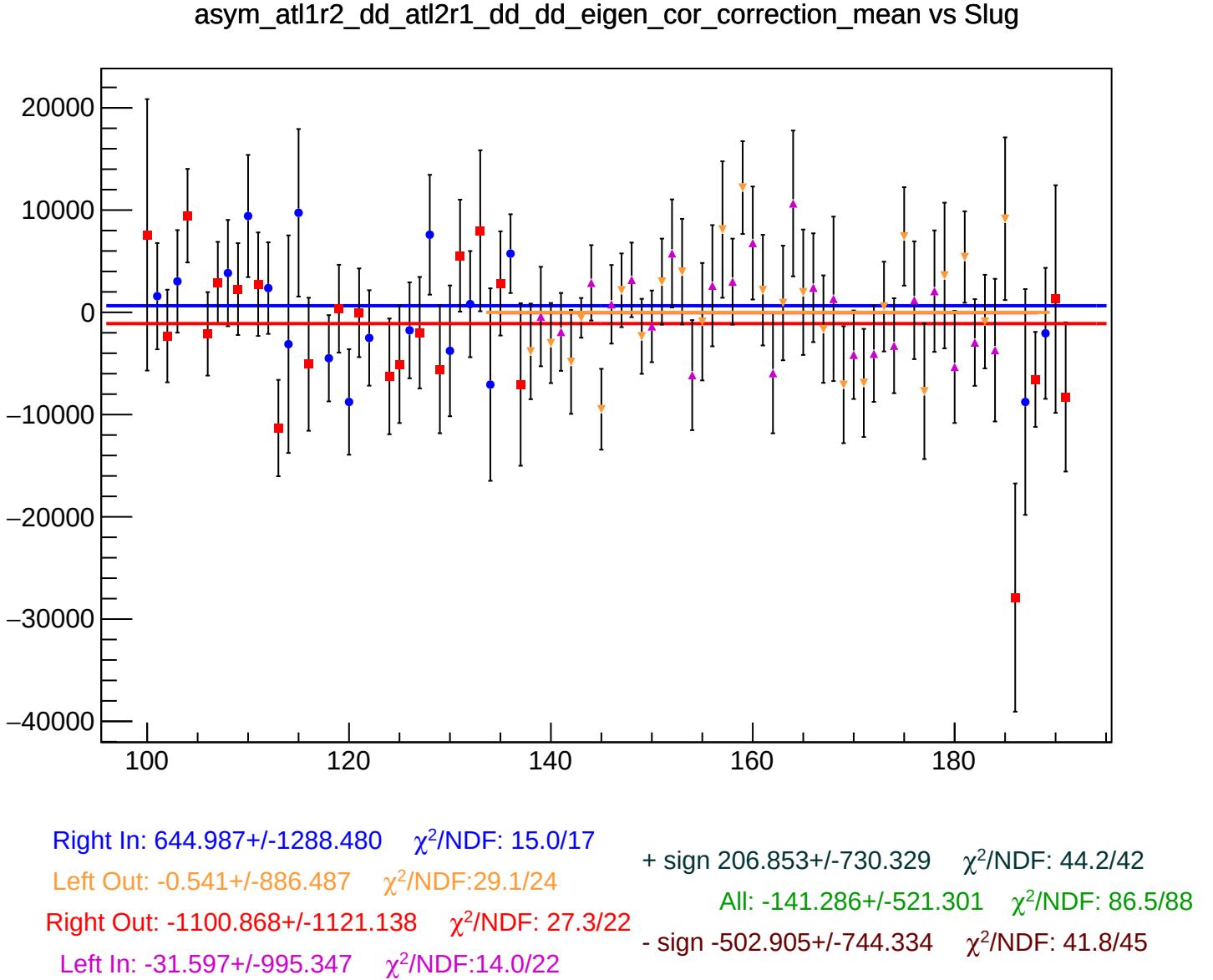
Right Out: 1307.837+/-0.311 χ^2/NDF: 470627.6/22

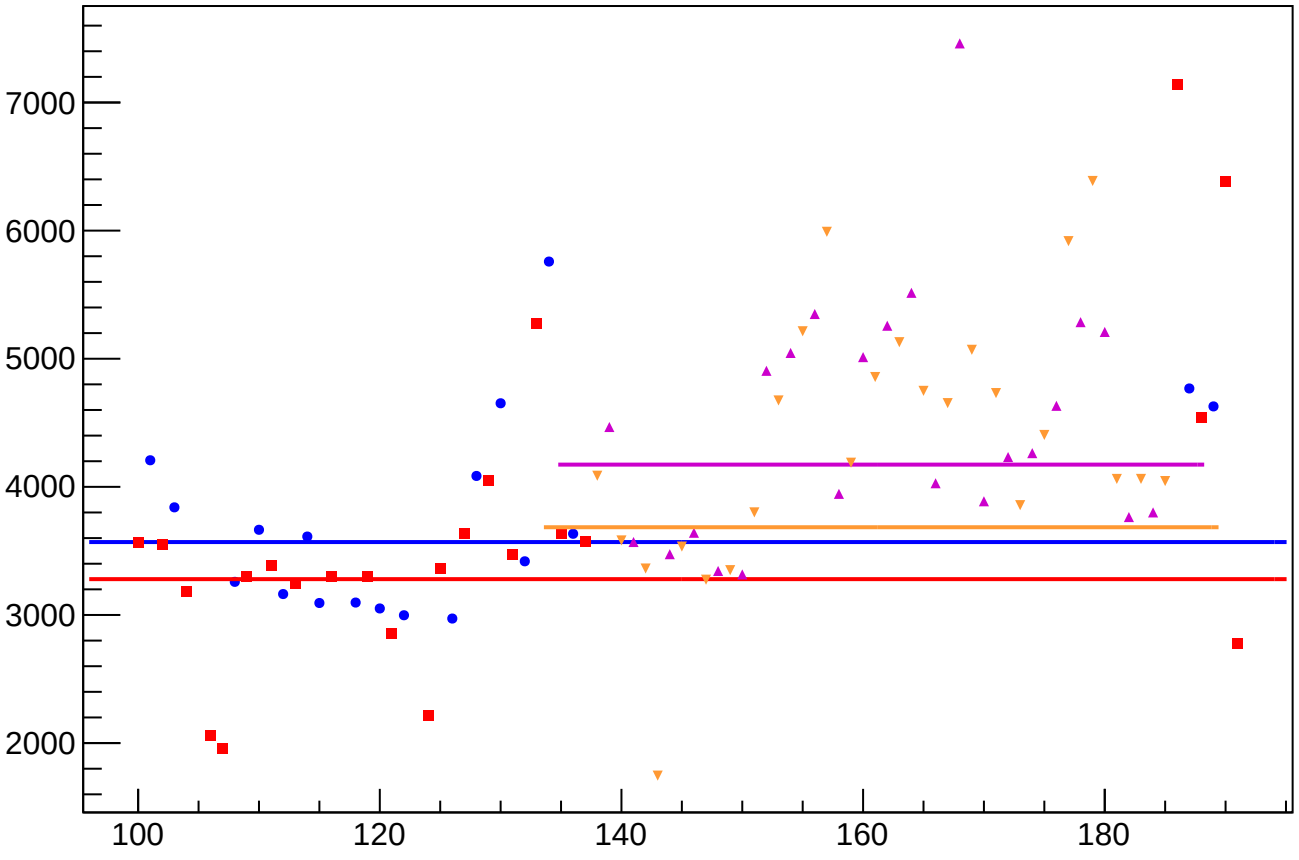
Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1272.676+/-0.173 χ^2/NDF: 705951.4/42

All: 1272.867+/-0.122 χ^2/NDF: 1231466.8/88

- sign 1273.057+/-0.173 χ^2/NDF: 525513.0/45


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
Right In: 644.987+/-1288.480 χ²/NDF: 15.0/17
Left Out: -0.541+/-886.487 χ²/NDF:29.1/24
Right Out: -1100.868+/-1121.138 χ²/NDF: 27.3/22
Left In: -31.597+/-995.347 χ²/NDF:14.0/22
+ sign 206.853+/-730.329 χ²/NDF: 44.2/42
All: -141.286+/-521.301 χ²/NDF: 86.5/88
- sign -502.905+/-744.334 χ²/NDF: 41.8/45



Right In: 3569.073+/-0.911 χ^2/NDF: 435971.5/17

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

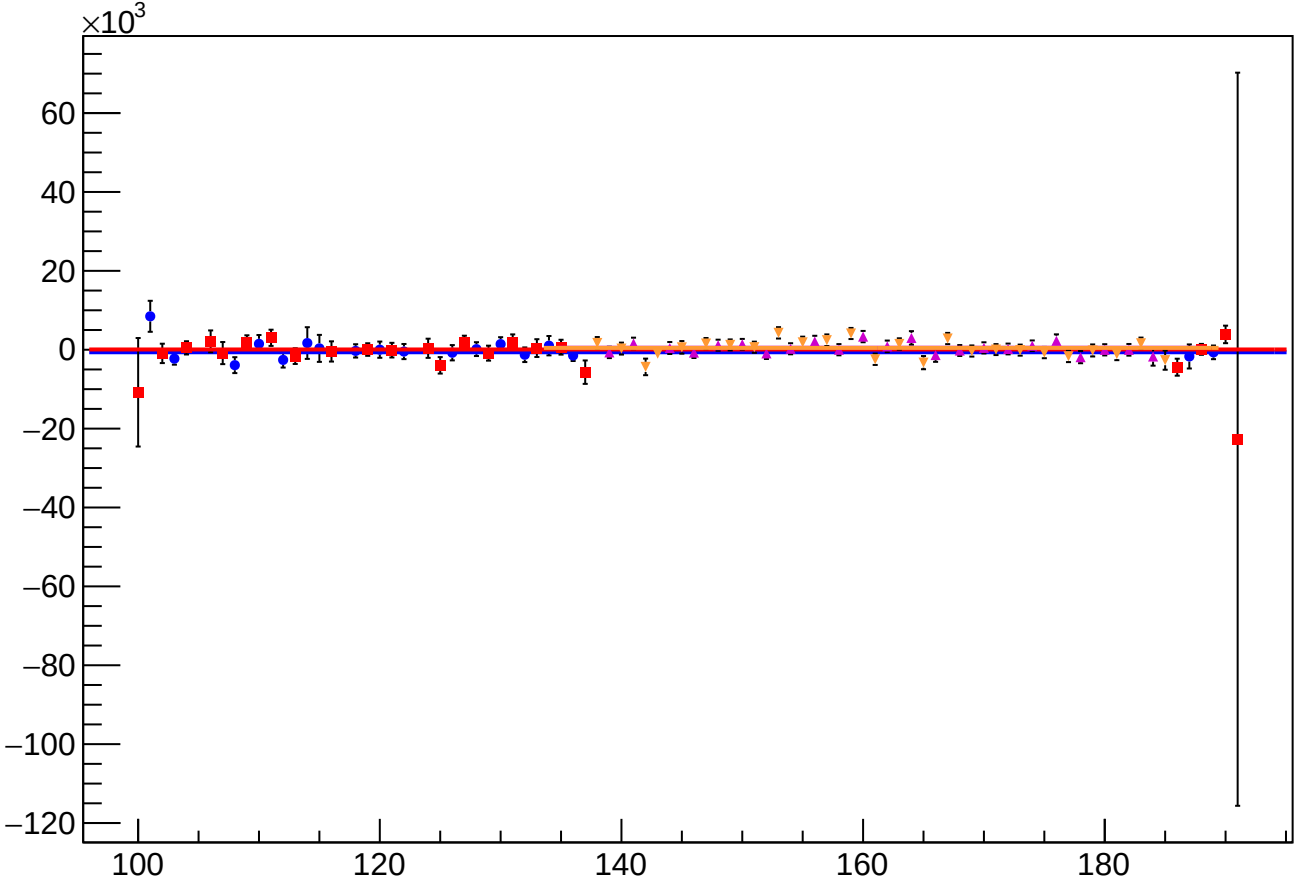
Right Out: 3279.674+/-0.793 χ^2/NDF: 1231847.1/22

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3647.593+/-0.516 χ^2/NDF: 4140602.0/42

All: 3712.319+/-0.369 χ^2/NDF: 7390415.7/88

- sign 3779.551+/-0.526 χ^2/NDF: 3217787.5/45



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: 65.149+/-439.232 χ^2/NDF: 22.3/22

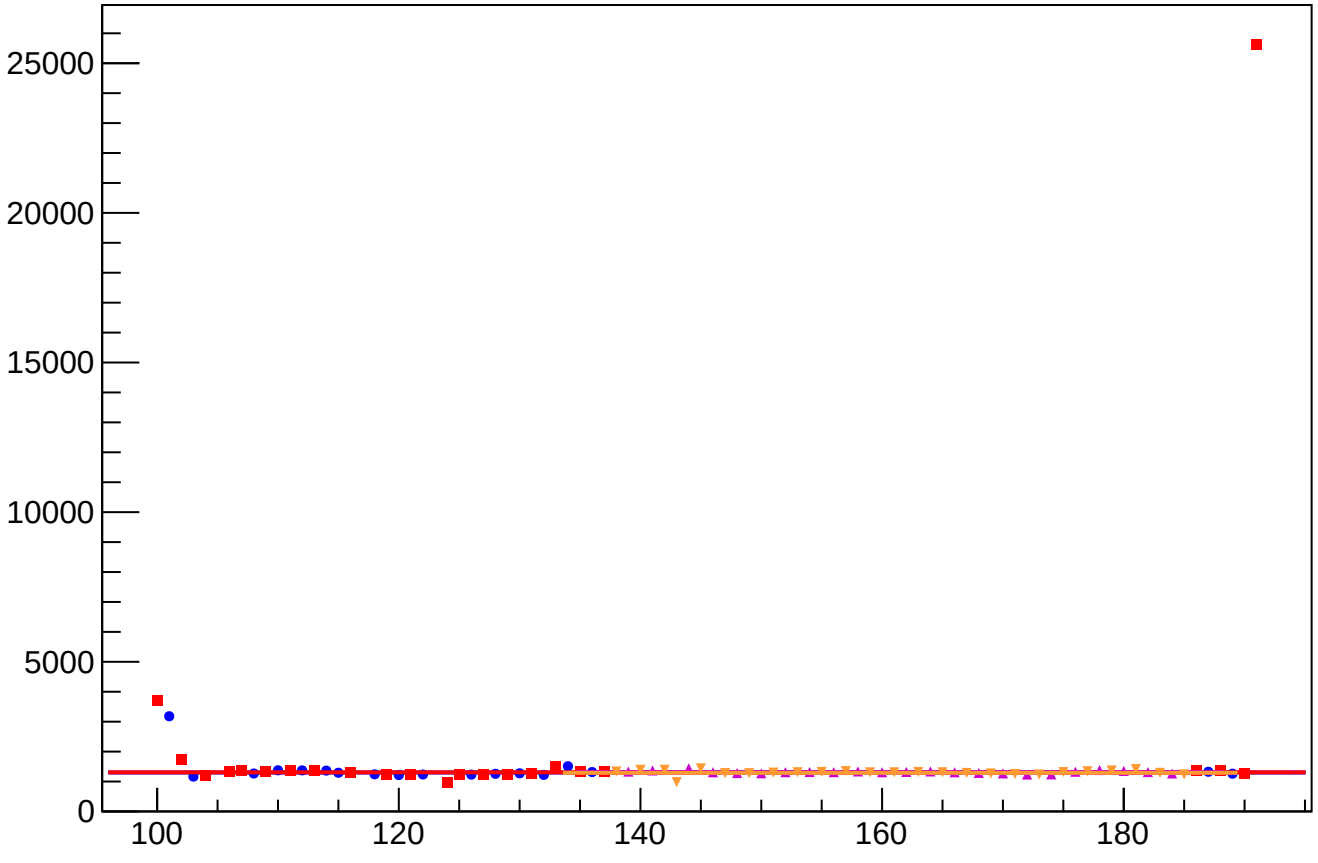
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 156.104+/-249.345 χ^2/NDF: 62.3/42

All: 256.932+/-177.126 χ^2/NDF: 103.0/88

- sign 359.640+/-251.659 χ^2/NDF: 40.3/45

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

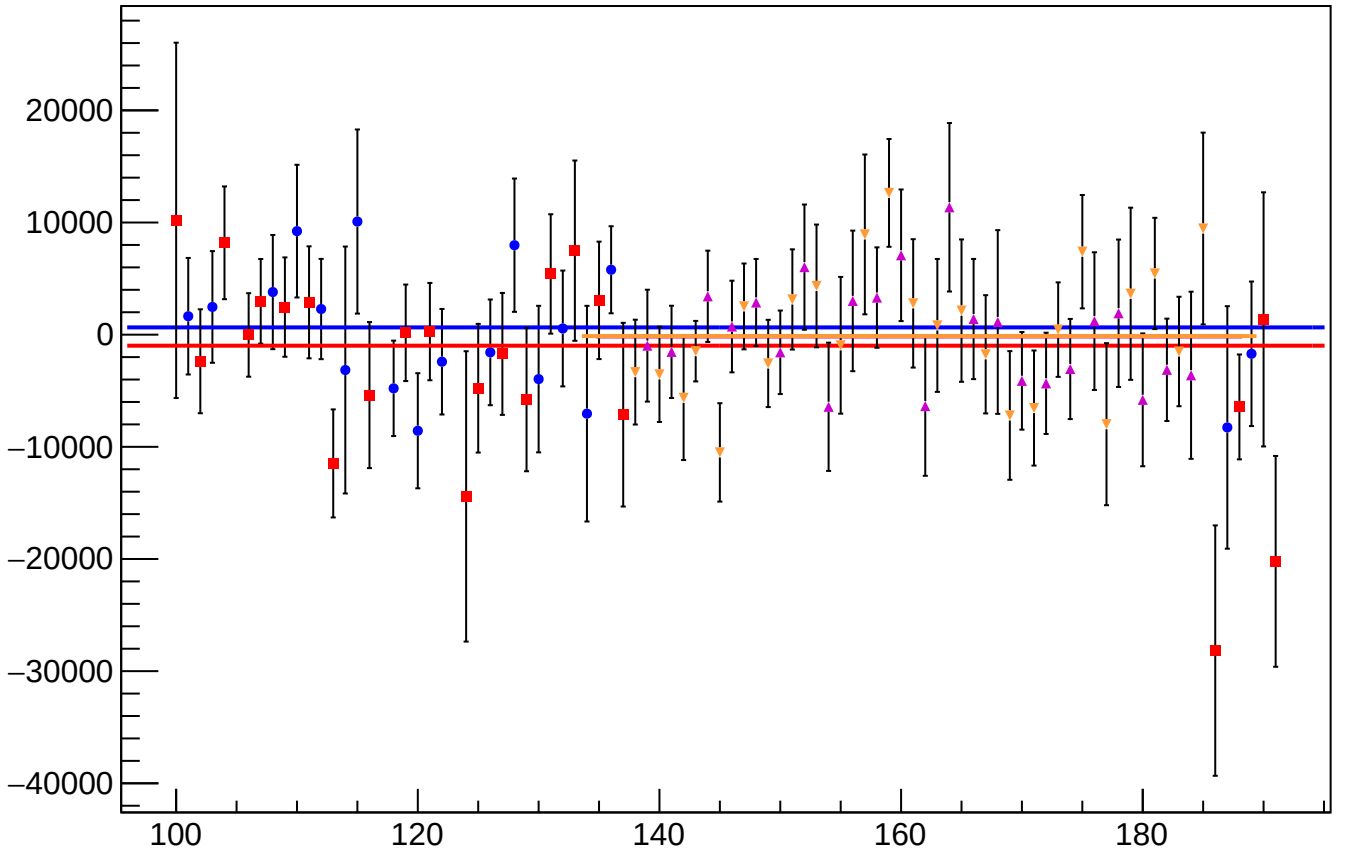
Right Out: 1306.774+/-0.310 χ^2/NDF: 359849.5/22

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1294.132+/-0.176 χ^2/NDF: 743224.0/42

All: 1302.802+/-0.125 χ^2/NDF: 1151362.6/88

- sign 1311.630+/-0.178 χ^2/NDF: 403258.6/45



Right In: 649.628+/-1290.787 χ^2/NDF: 15.0/17

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

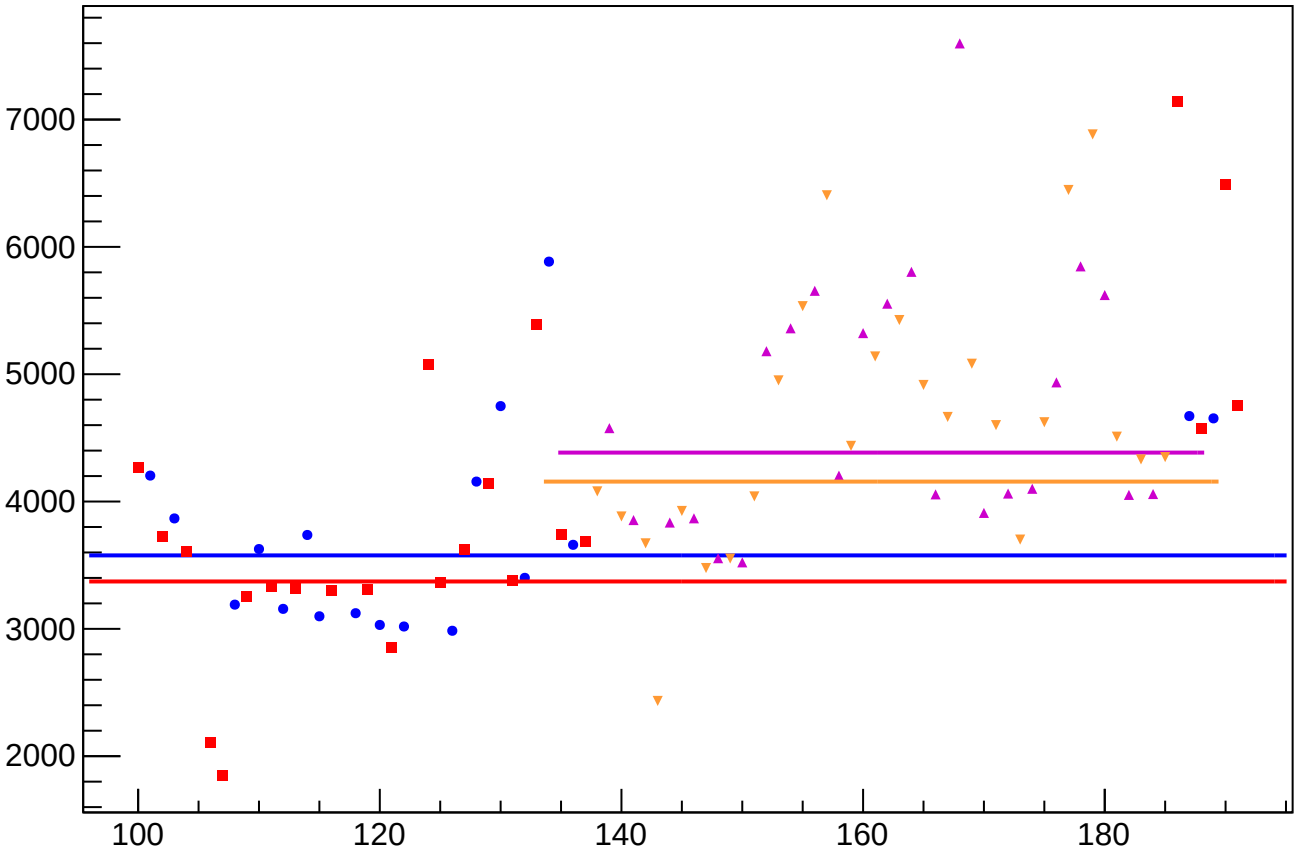
Right Out: -981.731+/-1141.605 χ^2/NDF: 29.0/22

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign 155.784+/-779.128 χ^2/NDF: 43.8/42

All: -192.983+/-548.040 χ^2/NDF: 87.2/88

- sign -534.533+/-771.025 χ^2/NDF: 43.1/45



Right In: 3576.938+/-0.913 χ^2/NDF: 455785.3/17

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

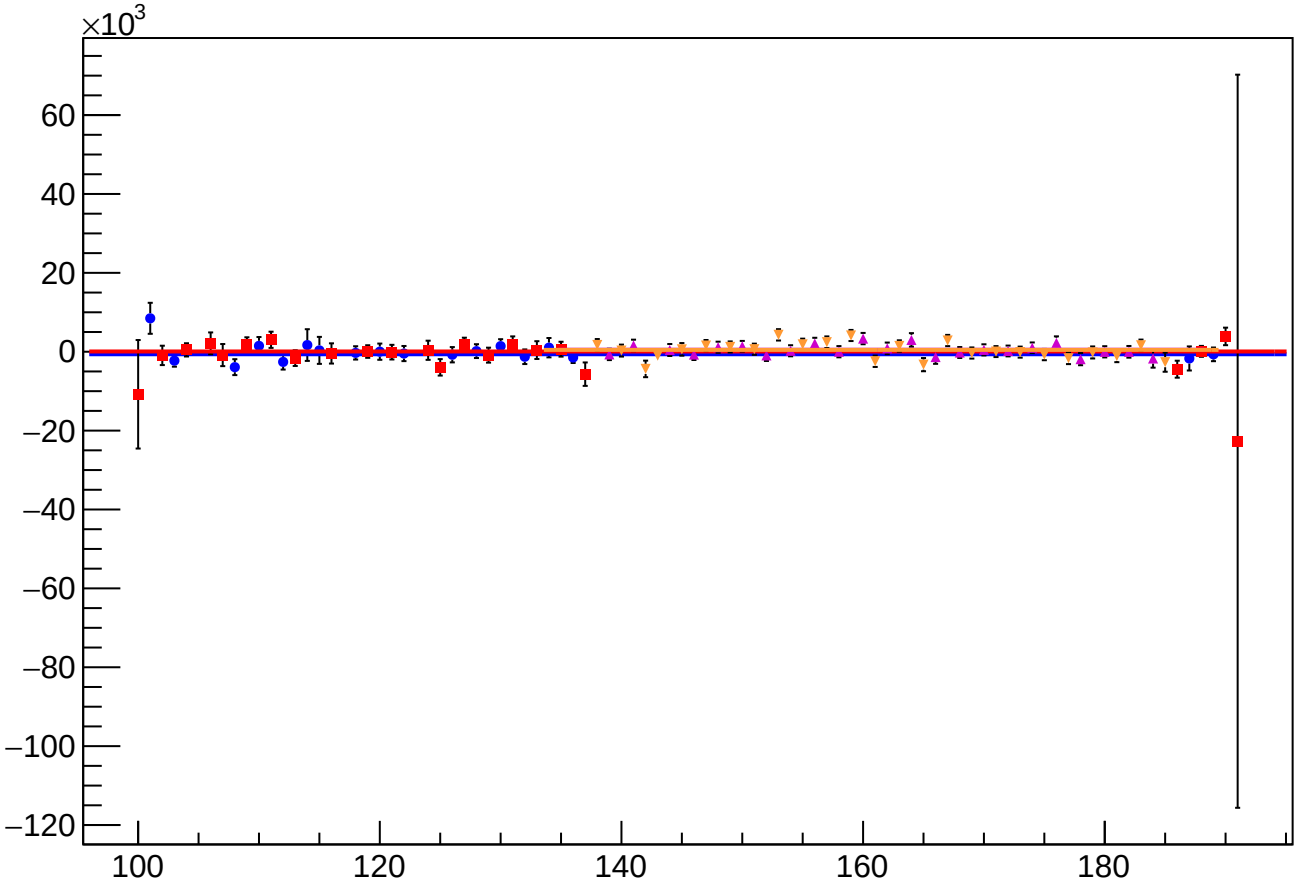
Right Out: 3372.159+/-0.807 χ^2/NDF: 1371232.1/22

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 3945.393+/-0.551 χ^2/NDF: 2792920.9/42

All: 3933.891+/-0.388 χ^2/NDF: 6275516.3/88

- sign 3922.626+/-0.545 χ^2/NDF: 3481732.6/45



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: 65.155+/-439.232 χ^2/NDF: 22.3/22

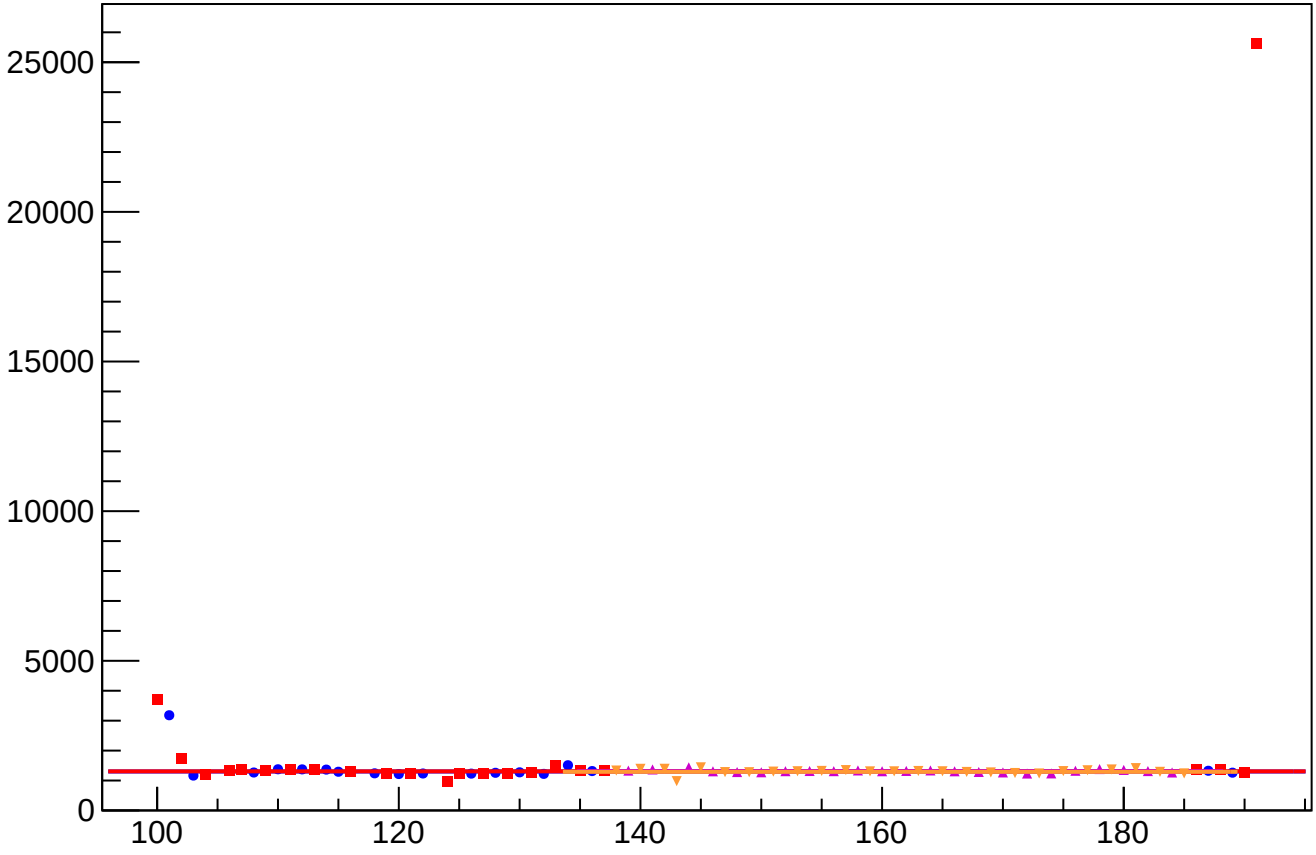
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 156.106+/-249.346 χ^2/NDF: 62.3/42

All: 256.934+/-177.126 χ^2/NDF: 103.0/88

- sign 359.641+/-251.659 χ^2/NDF: 40.3/45

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

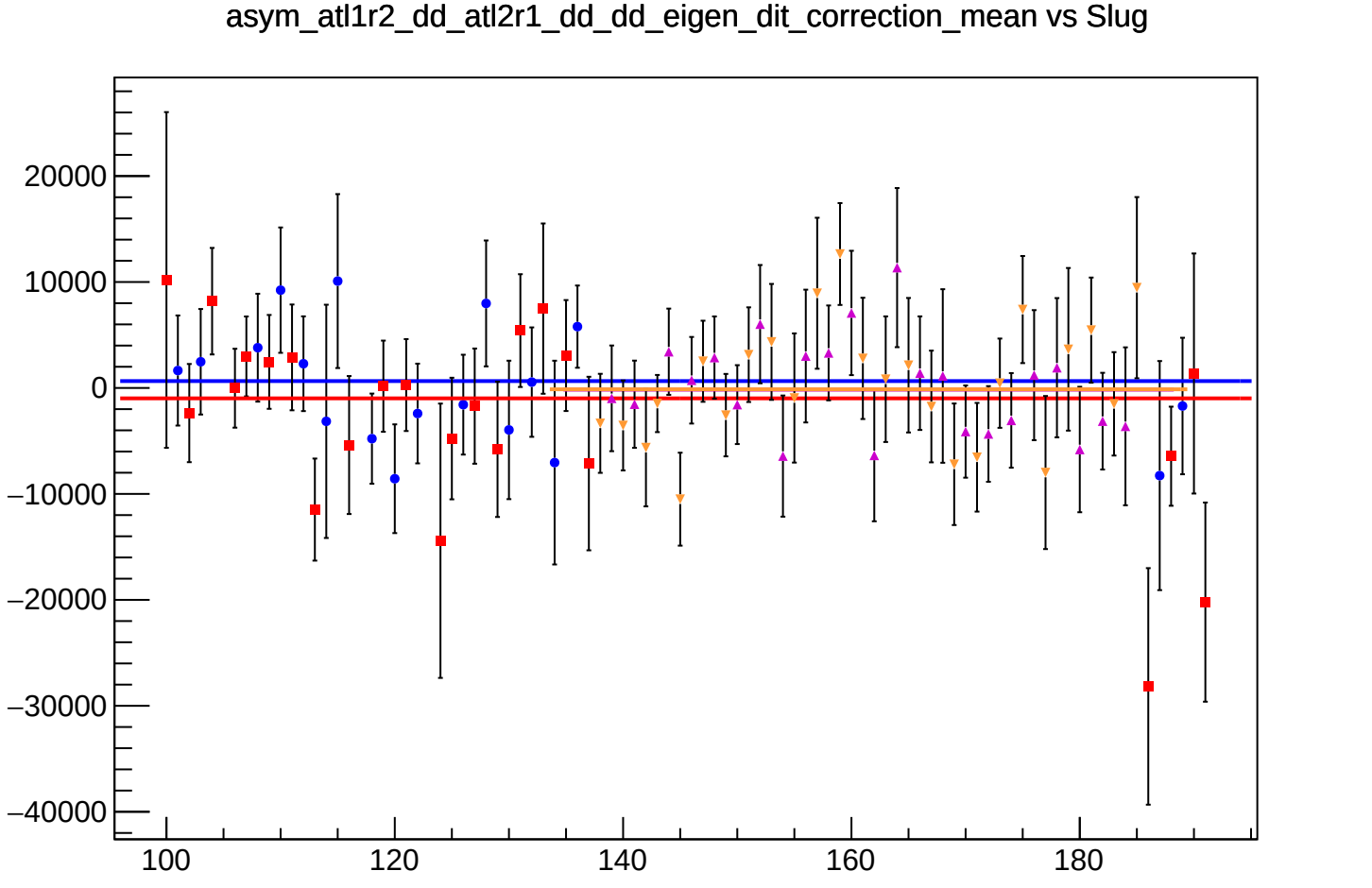
Right Out: 1306.774+/-0.310 χ^2/NDF: 359849.6/22

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1294.133+/-0.176 χ^2/NDF: 743226.4/42

All: 1302.803+/-0.125 χ^2/NDF: 1151367.5/88

- sign 1311.631+/-0.178 χ^2/NDF: 403261.0/45



Right In: 649.619+/-1290.784 χ^2/NDF: 15.0/17

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

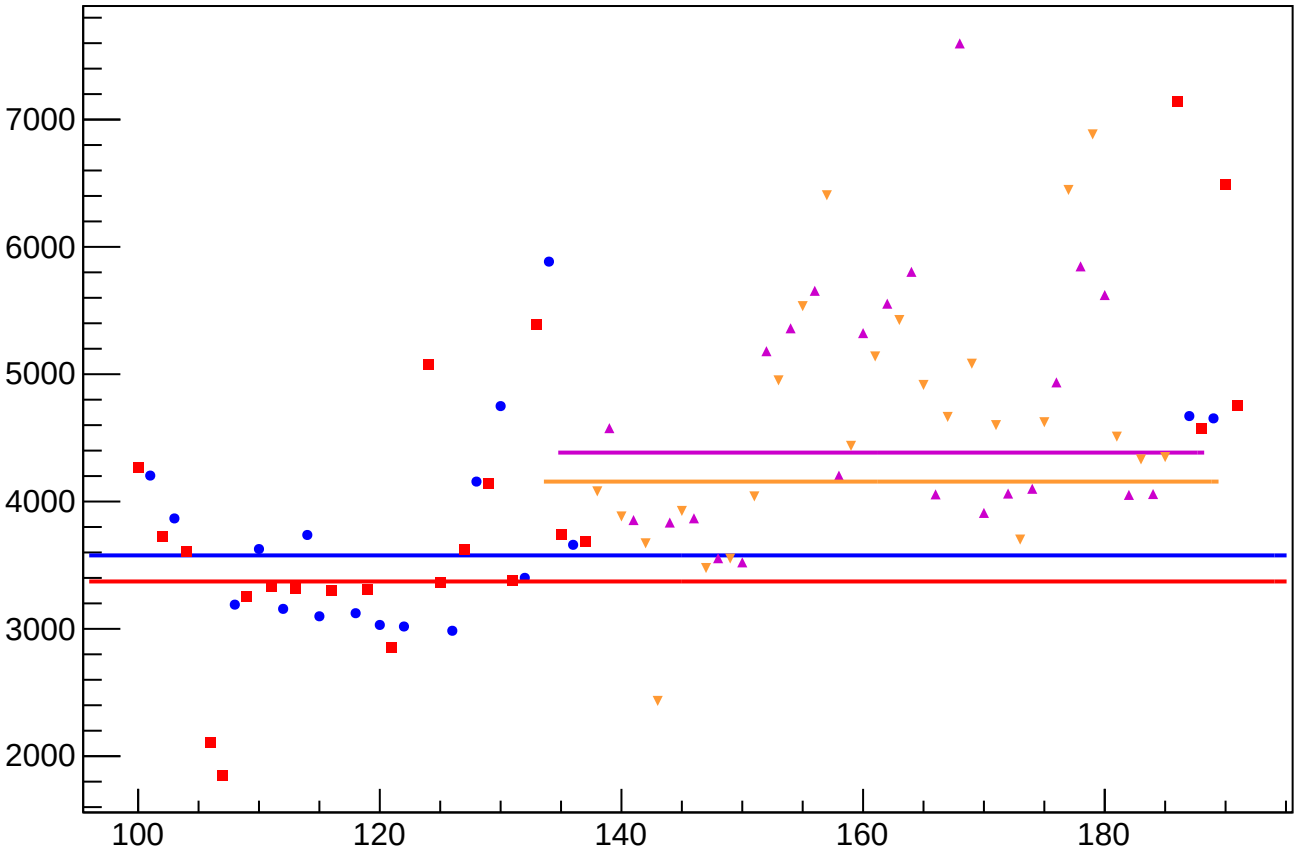
Right Out: -981.723+/-1141.603 χ^2/NDF: 29.0/22

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign 155.784+/-779.129 χ^2/NDF: 43.8/42

All: -192.982+/-548.040 χ^2/NDF: 87.2/88

- sign -534.531+/-771.025 χ^2/NDF: 43.1/45



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: 3372.151+/-0.807 χ^2/NDF: 1371238.4/22

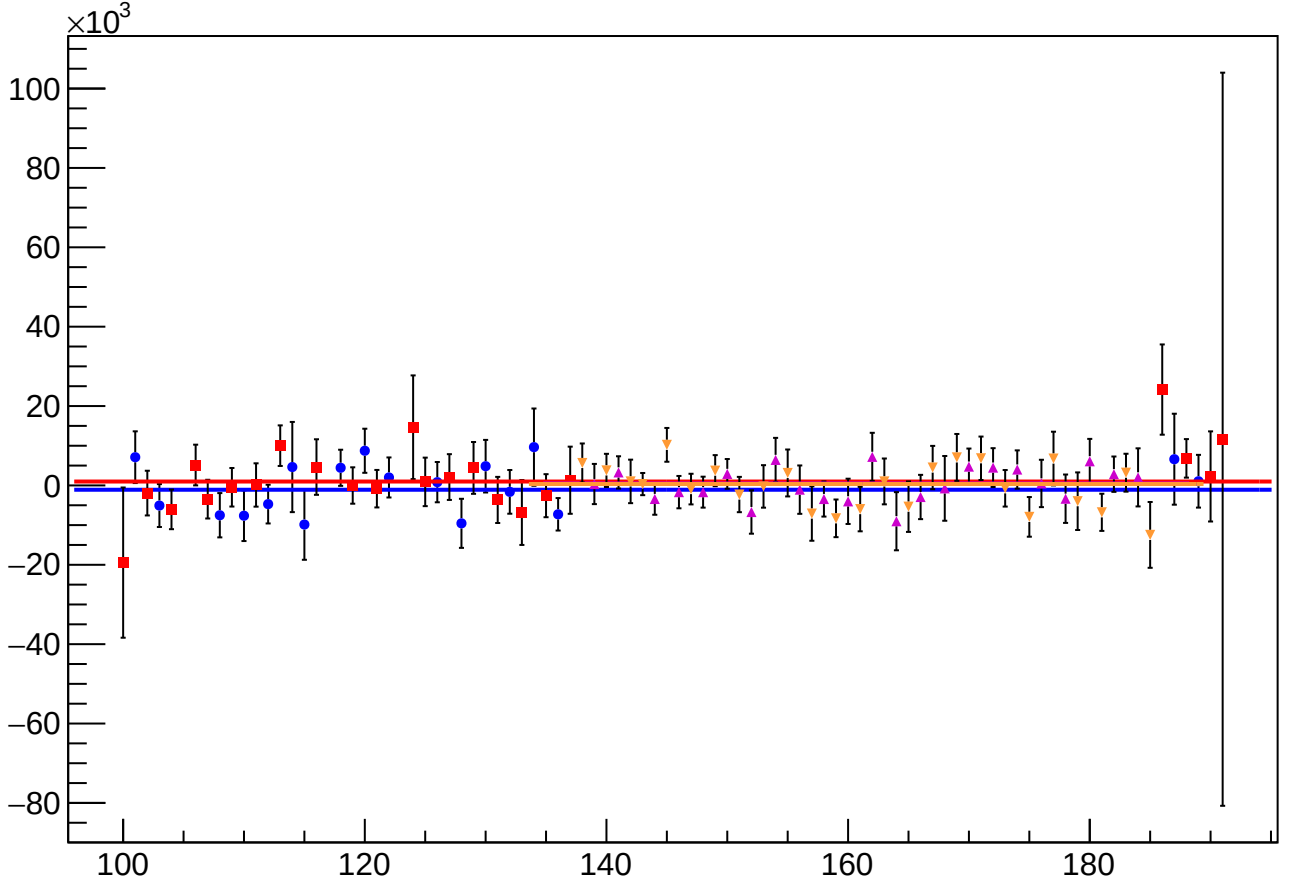
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 3945.393+/-0.551 χ^2/NDF: 2792943.8/42

All: 3933.890+/-0.388 χ^2/NDF: 6275574.6/88

- sign 3922.625+/-0.545 χ^2/NDF: 3481767.9/45

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: 983.106+/-1271.828 χ^2/NDF: 17.6/22

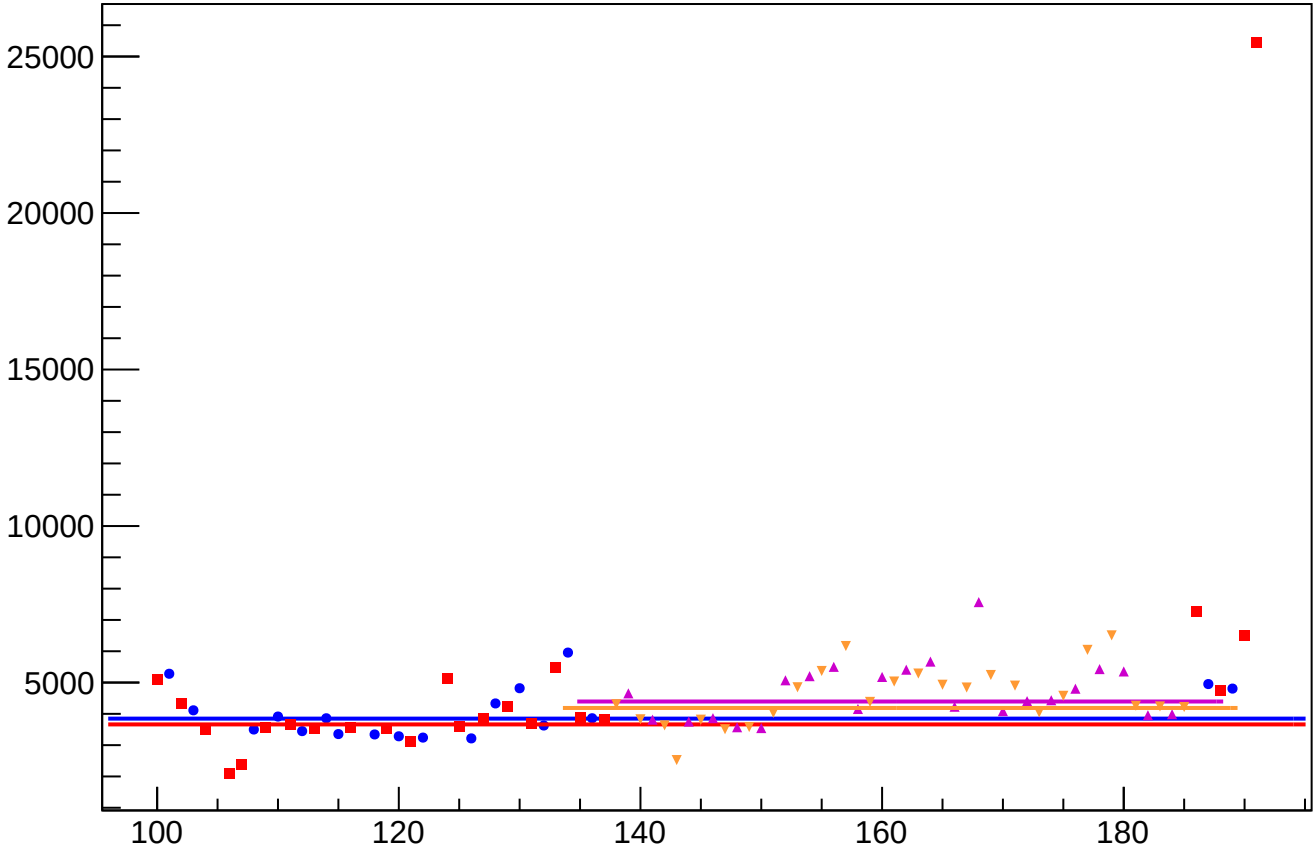
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign -119.914+/-800.716 χ^2/NDF: 46.5/42

All: 283.306+/-568.496 χ^2/NDF: 78.6/88

- sign 693.159+/-807.275 χ^2/NDF: 31.6/45

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

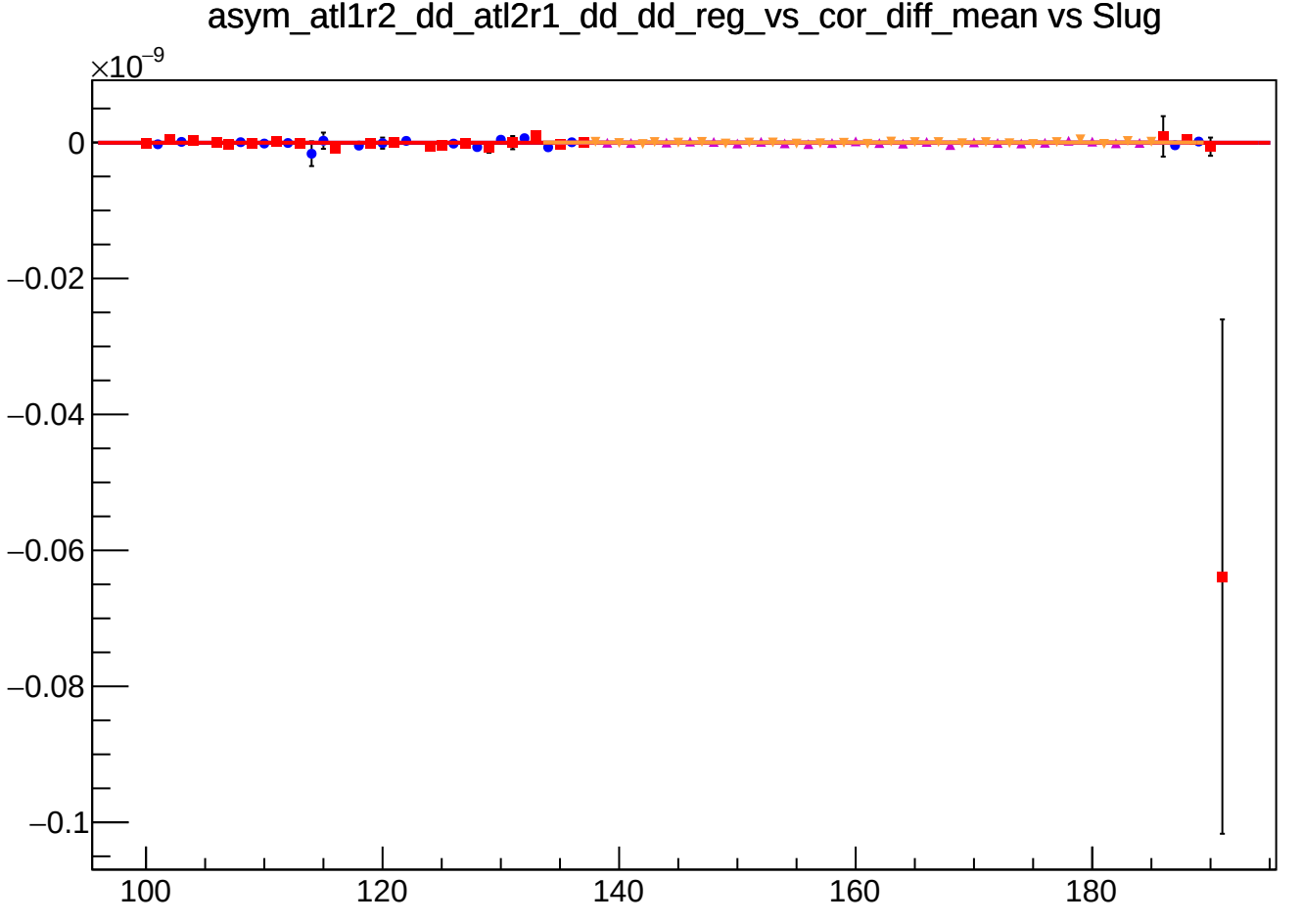
Right Out: 3662.212+/-0.888 χ^2/NDF: 1163470.1/22

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4074.786+/-0.566 χ^2/NDF: 2323459.3/42

All: 4084.844+/-0.401 χ^2/NDF: 4977573.4/88

- sign 4094.965+/-0.568 χ^2/NDF: 2653481.0/45



Right In: -0.000+/-0.000 χ^2/NDF: 17.3/17

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

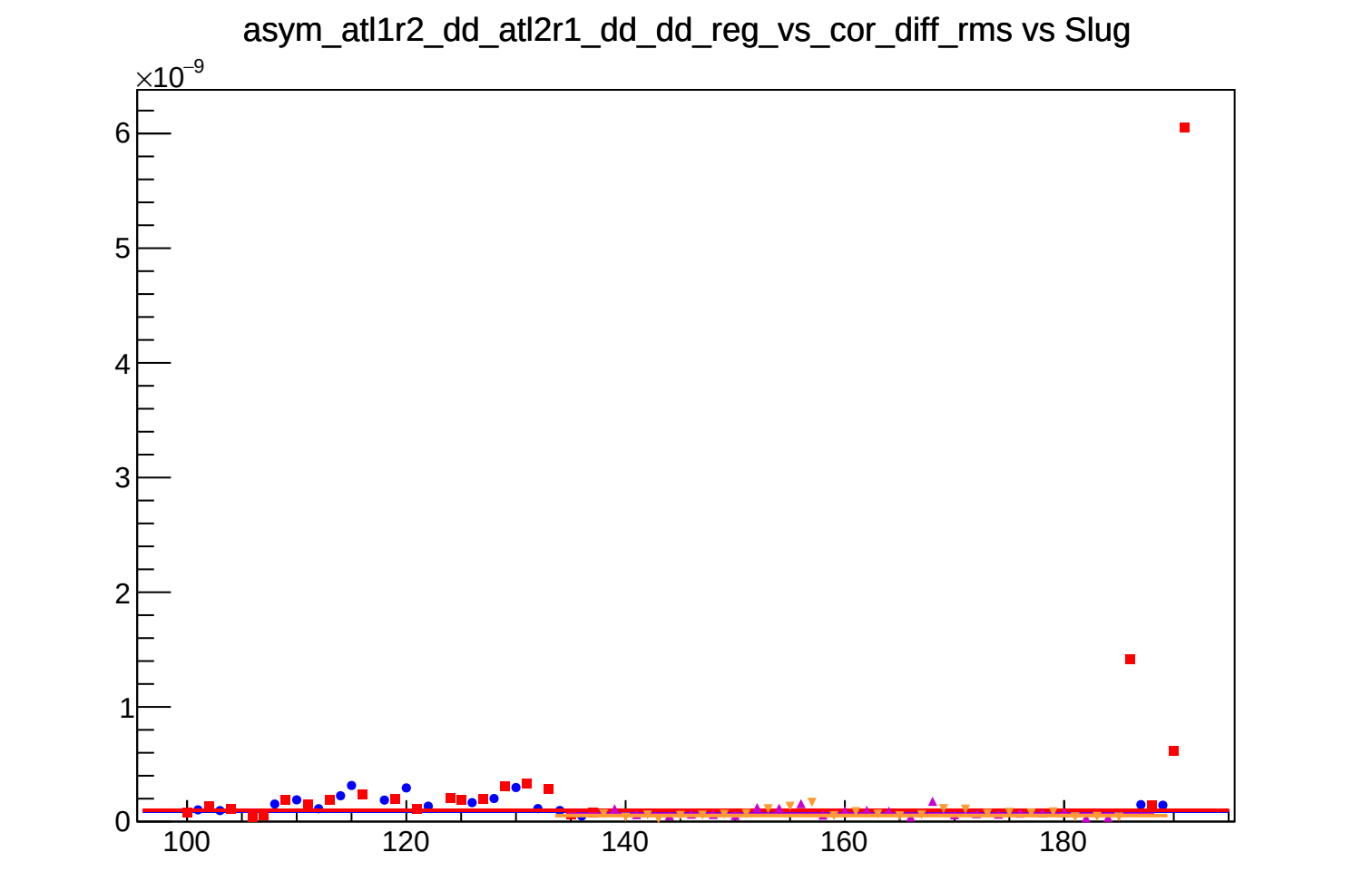
Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/22

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: 86.7/88

- sign -0.000+/-0.000 χ^2/NDF: 38.4/45



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: 2536214.4/22

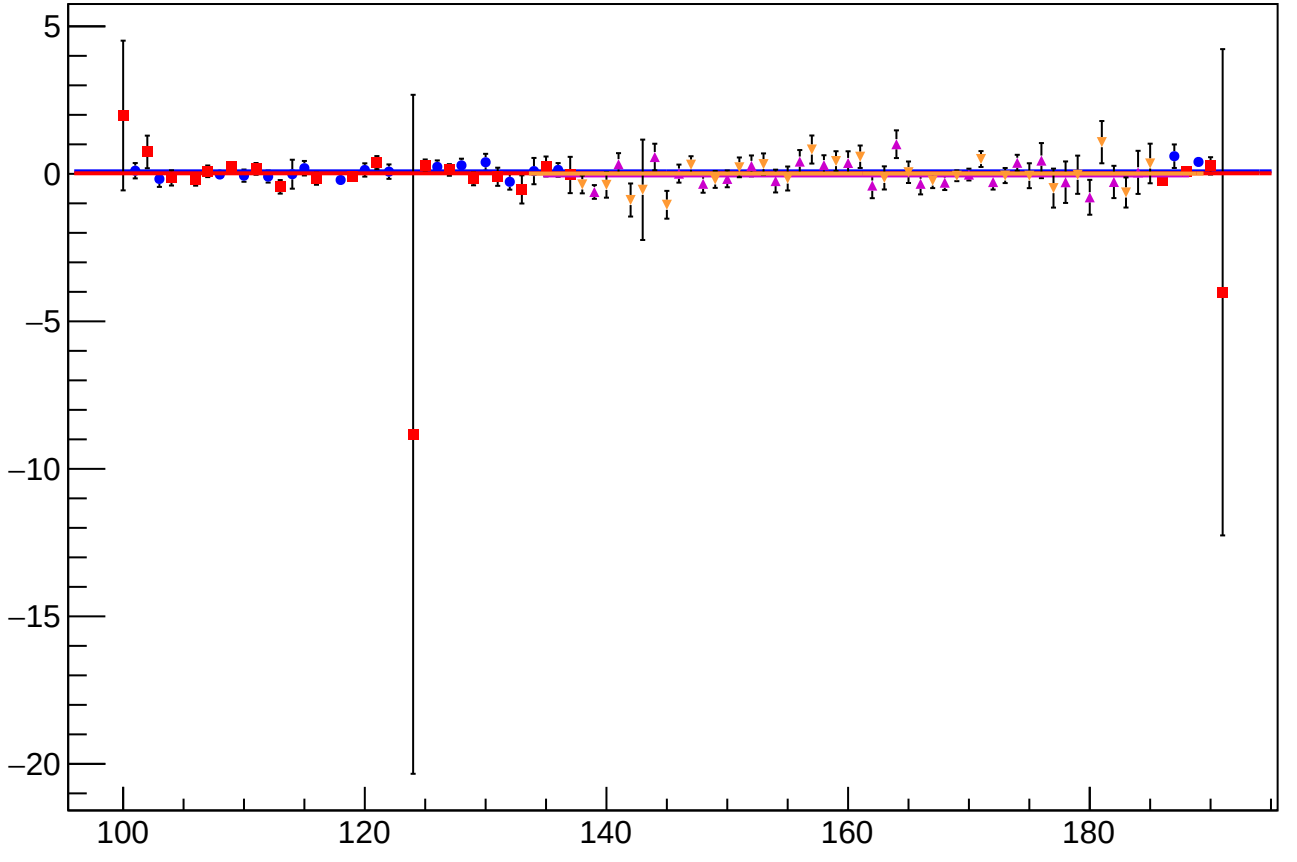
Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 4910675.9/42

All: 0.000+/-0.000 χ^2/NDF: 10038182.8/88

- sign 0.000+/-0.000 χ^2/NDF: 4875468.1/45

asym_atl1r2_dd_atl2r1_dd_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

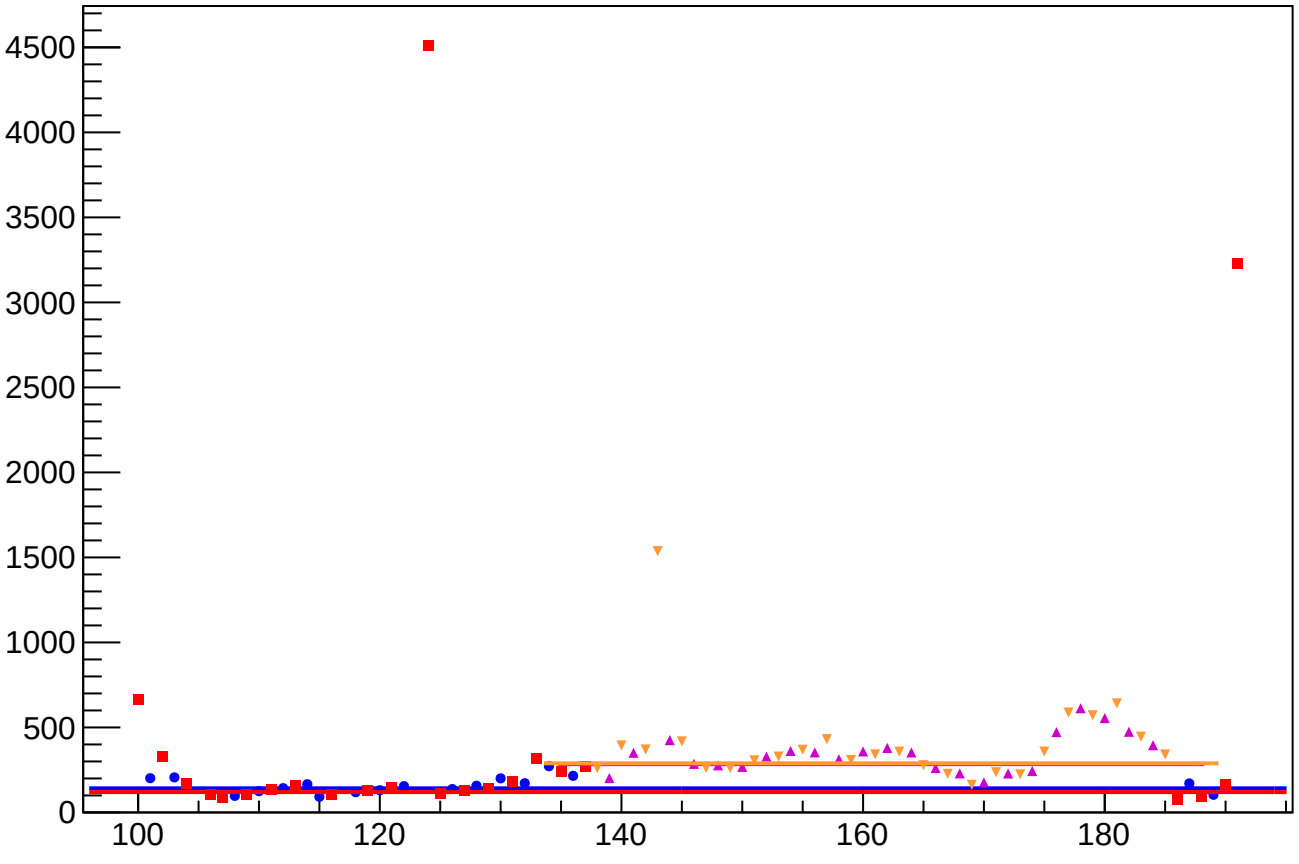
Right Out: 0.019+/-0.044 χ^2/NDF: 25.7/22

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

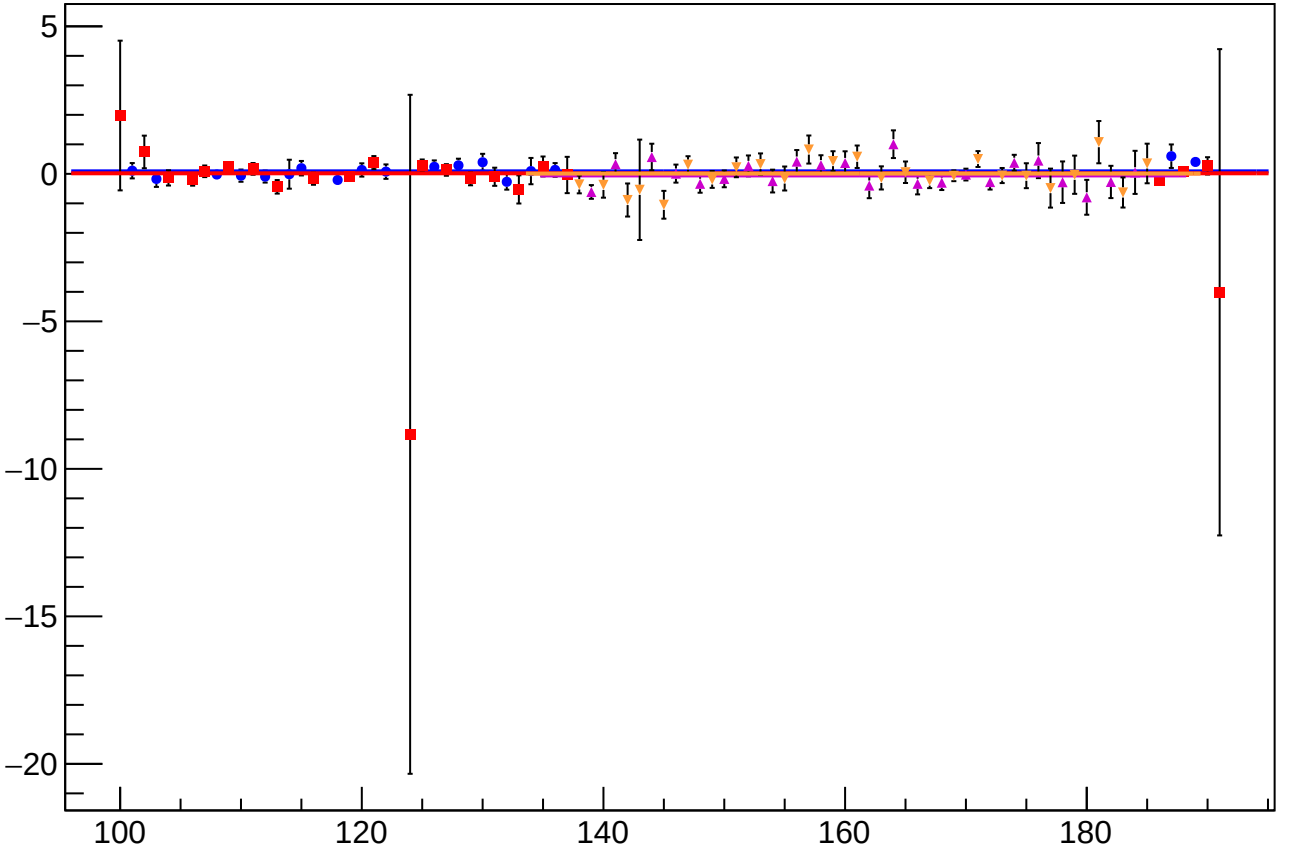
+ sign 0.057+/-0.043 χ^2/NDF: 46.1/42

All: 0.024+/-0.028 χ^2/NDF: 101.4/88

- sign -0.002+/-0.038 χ^2/NDF: 54.2/45


asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
Right In: 141.924+/-0.038 χ²/NDF: 1149472.7/17
Left Out: 288.922+/-0.050 χ²/NDF:4648197.0/24
Right Out: 119.726+/-0.031 χ²/NDF: 2481719.2/22
Left In: 284.168+/-0.050 χ²/NDF:3077521.1/22
+ sign 195.074+/-0.030 χ²/NDF: 11268159.1/42
All: 178.888+/-0.020 χ²/NDF: 25150299.7/88
- sign 166.400+/-0.027 χ²/NDF: 13373141.5/45

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

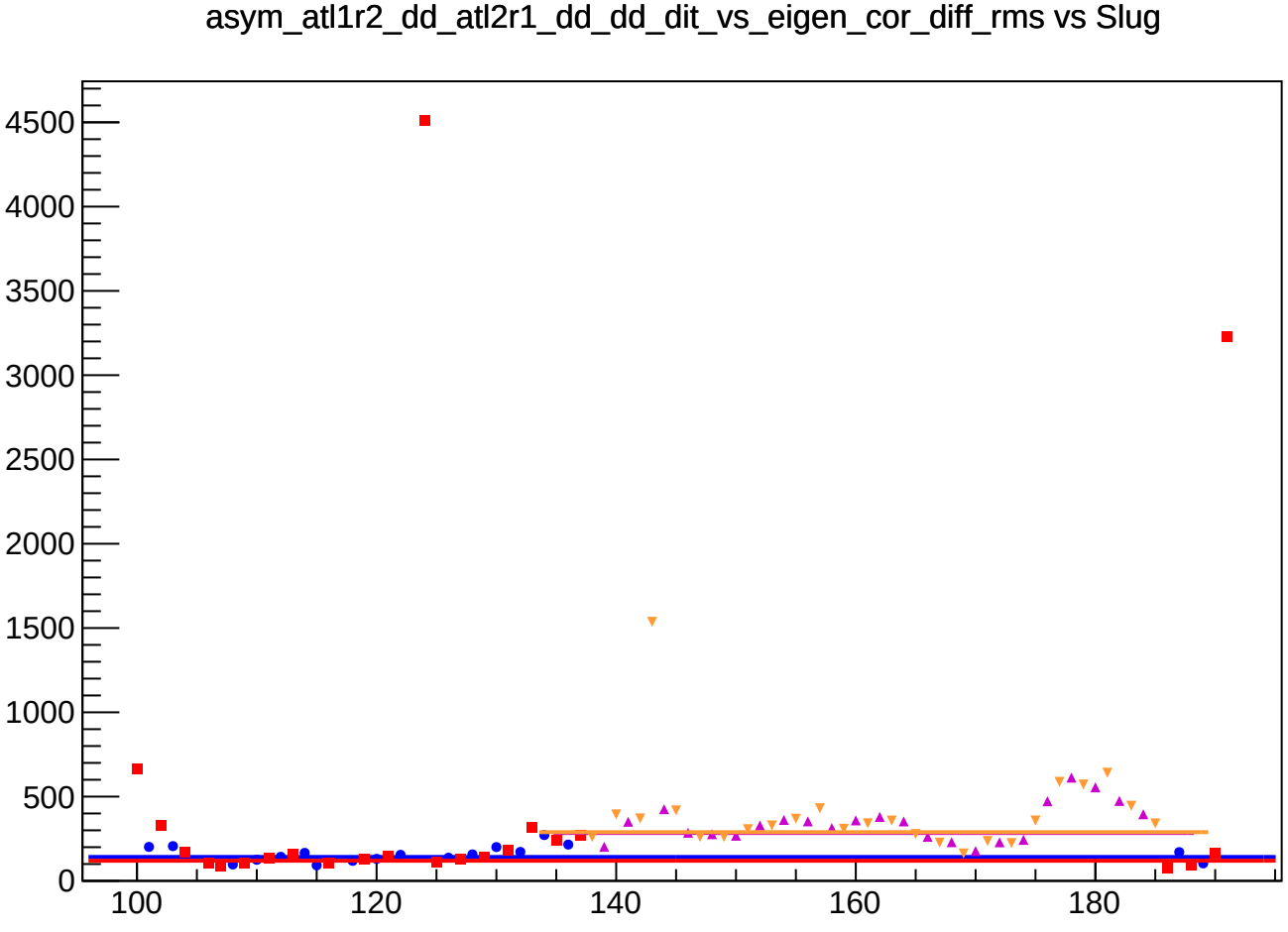
Right Out: 0.019+/-0.044 χ^2/NDF: 25.7/22

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.057+/-0.043 χ^2/NDF: 46.1/42

All: 0.024+/-0.028 χ^2/NDF: 101.4/88

- sign -0.002+/-0.038 χ^2/NDF: 54.2/45



Right In: 141.924+/-0.038 χ^2/NDF: 1149472.7/17

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

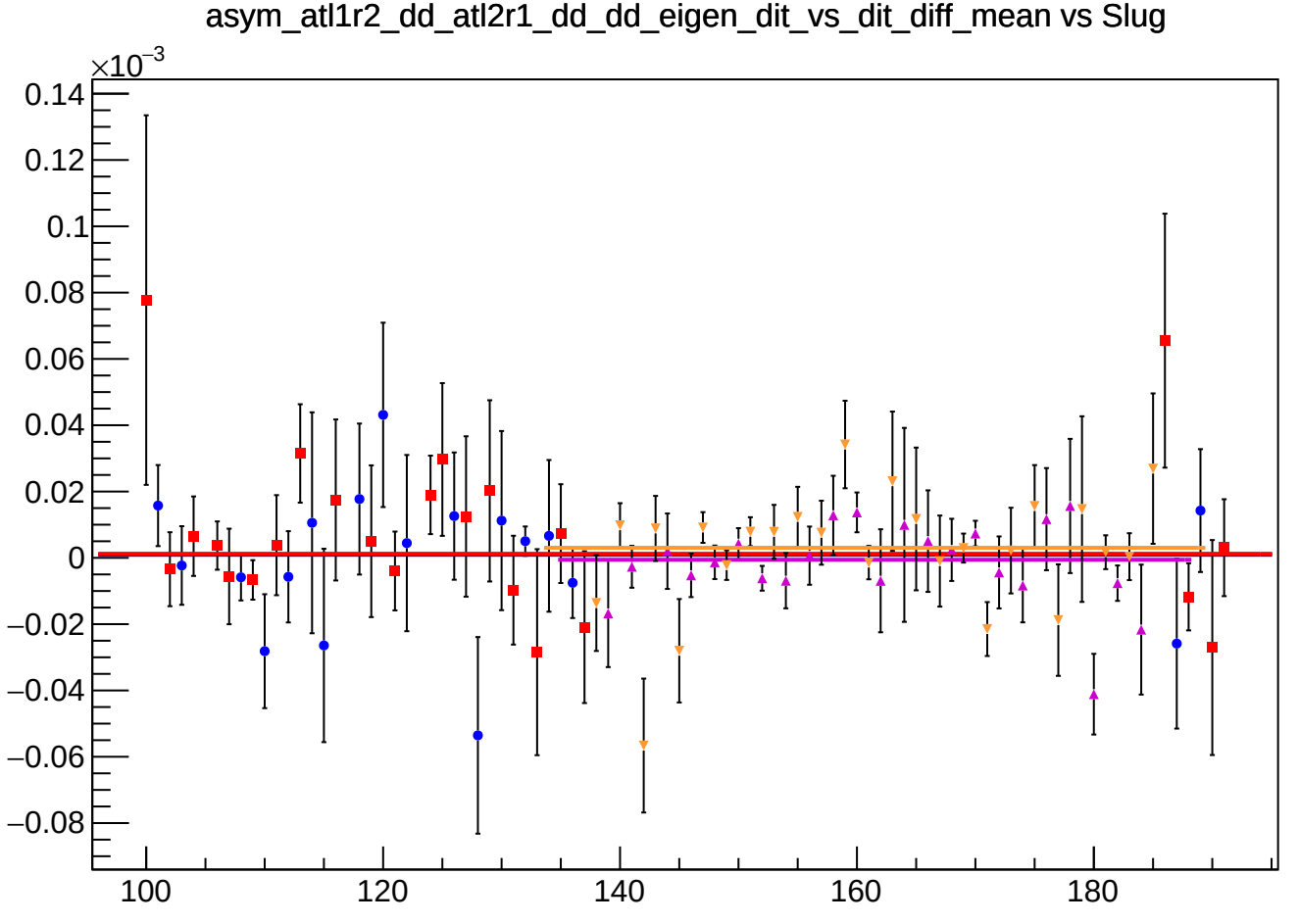
Right Out: 119.726+/-0.031 χ^2/NDF: 2481719.2/22

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 195.074+/-0.030 χ^2/NDF: 11268159.1/42

All: 178.888+/-0.020 χ^2/NDF: 25150299.7/88

- sign 166.400+/-0.027 χ^2/NDF: 13373141.5/45



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/17

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

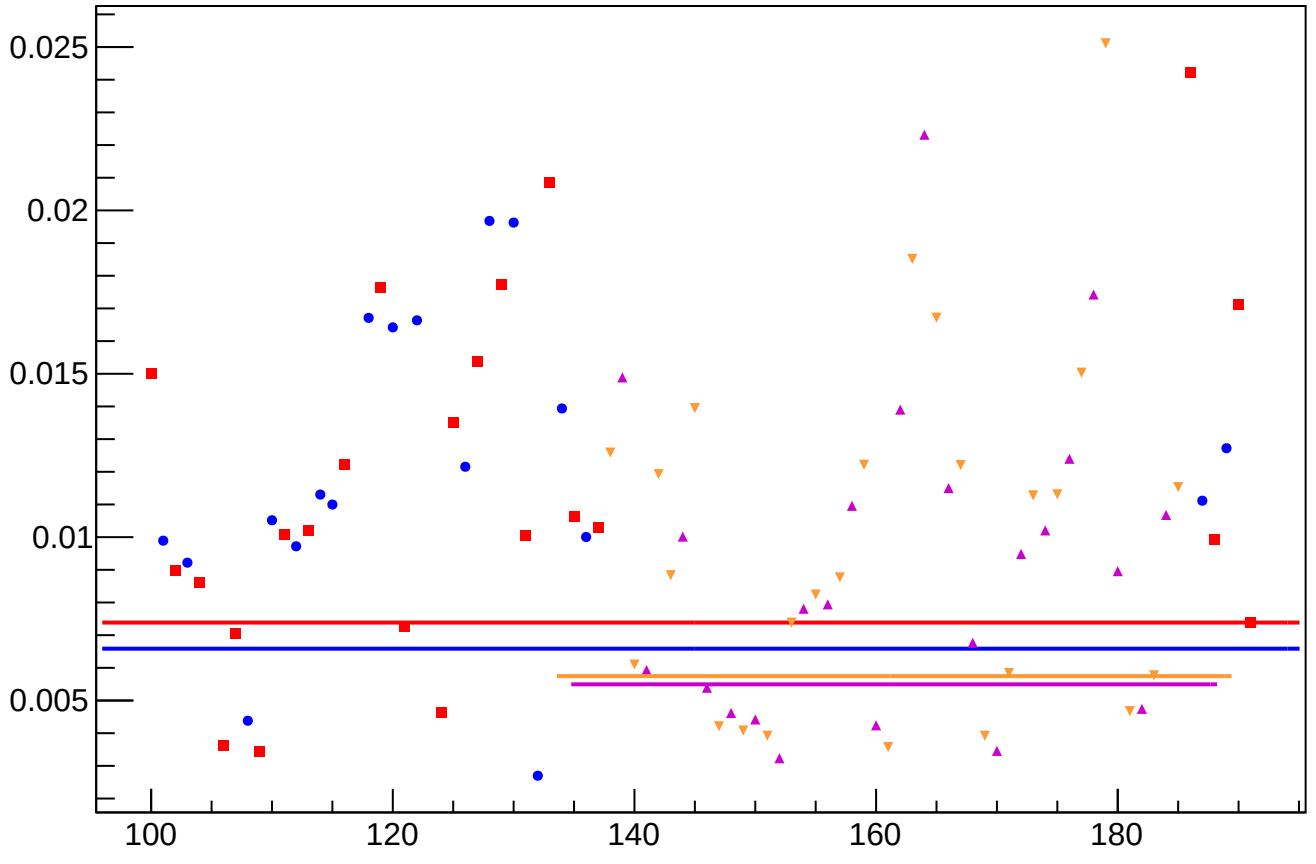
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/22

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: 116.1/88

- sign -0.000+/-0.000 χ^2/NDF: 54.9/45



Right In: 0.007+/-0.000 χ^2/NDF: 4931851.5/17

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

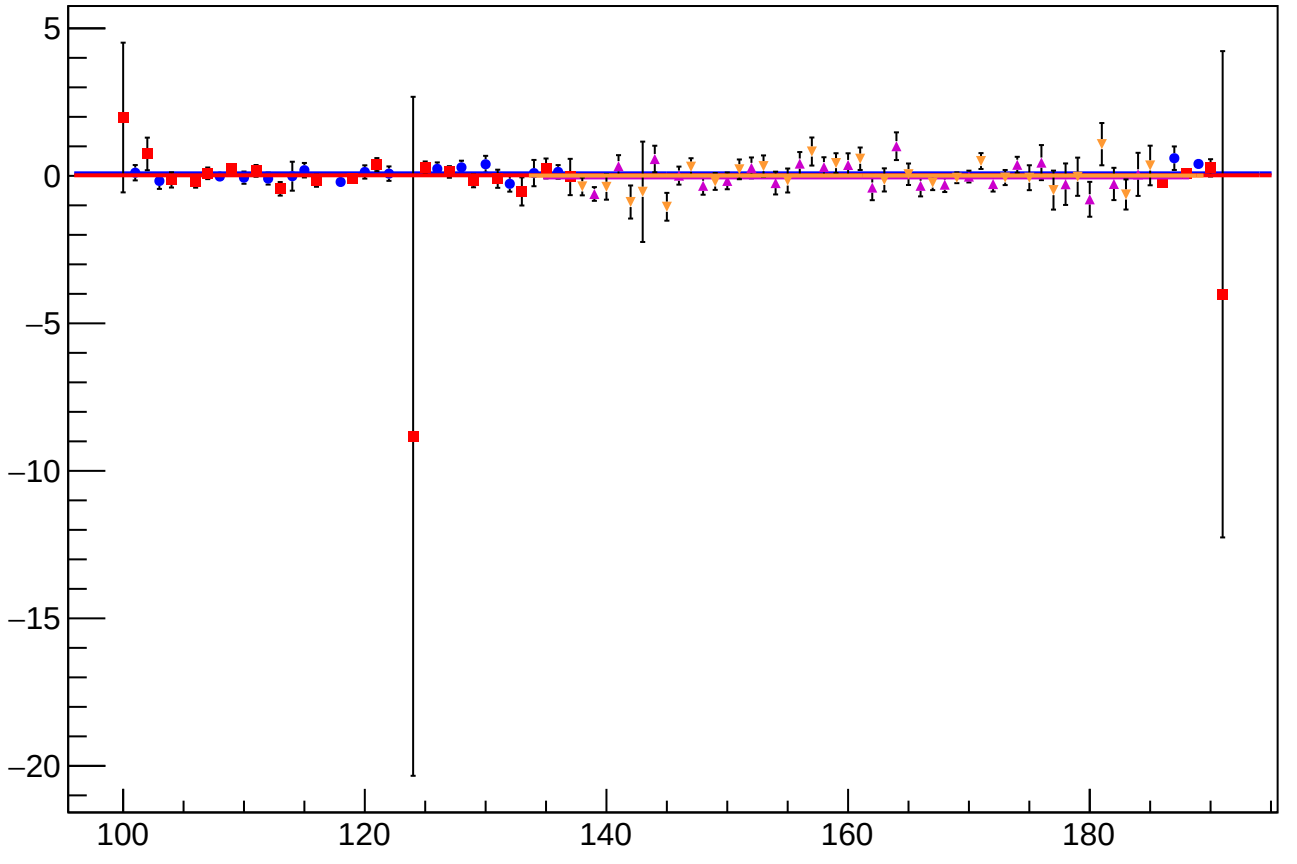
Right Out: 0.007+/-0.000 χ^2/NDF: 4140337.9/22

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: 24969929.0/88

\- sign 0.006+/-0.000 χ^2/NDF: 11776283.1/45



Right In: 0.085+/-0.053 χ^2/NDF: 16.5/17

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

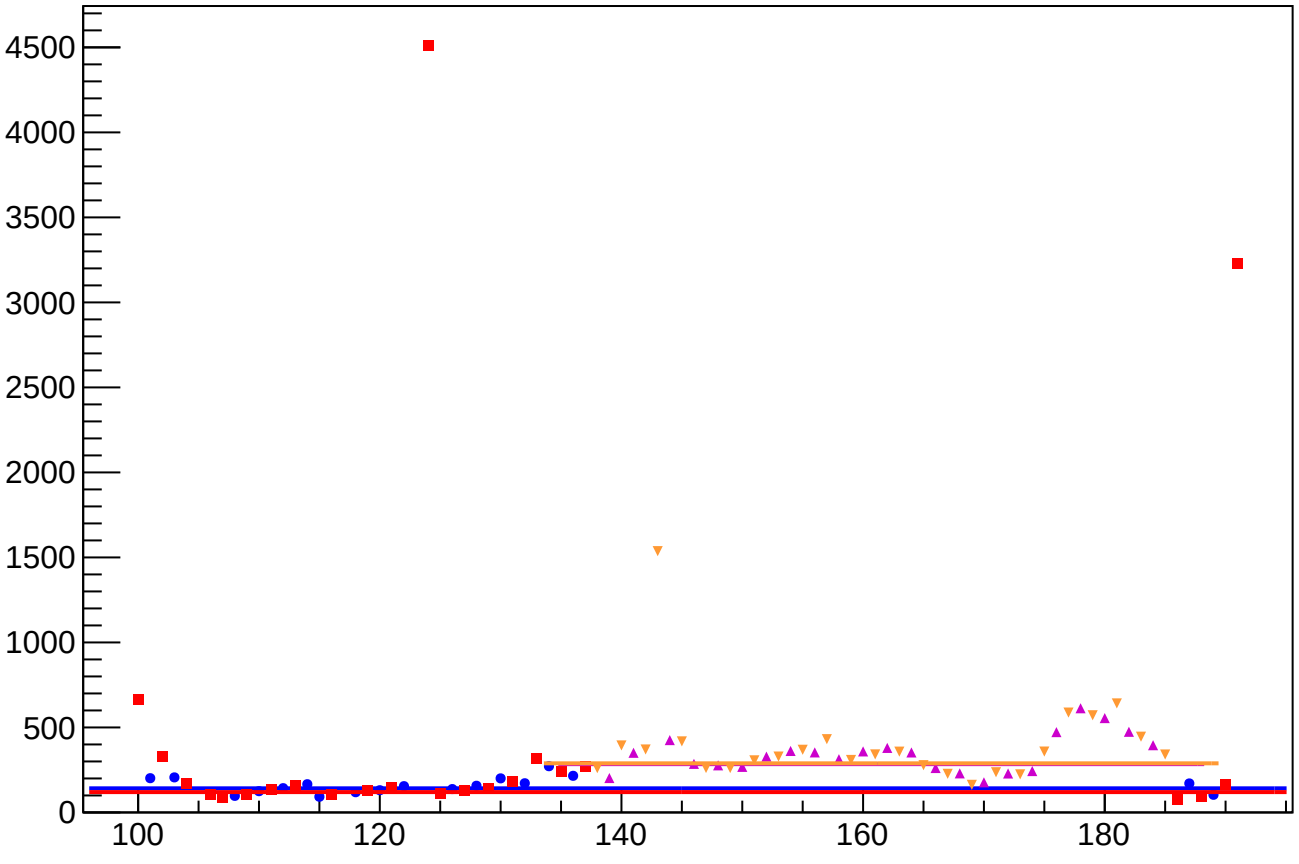
Right Out: 0.019+/-0.044 χ^2/NDF: 25.7/22

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.057+/-0.043 χ^2/NDF: 46.1/42

All: 0.024+/-0.028 χ^2/NDF: 101.4/88

- sign -0.002+/-0.038 χ^2/NDF: 54.2/45



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: 119.727+/-0.031 χ^2/NDF: 2481570.6/22

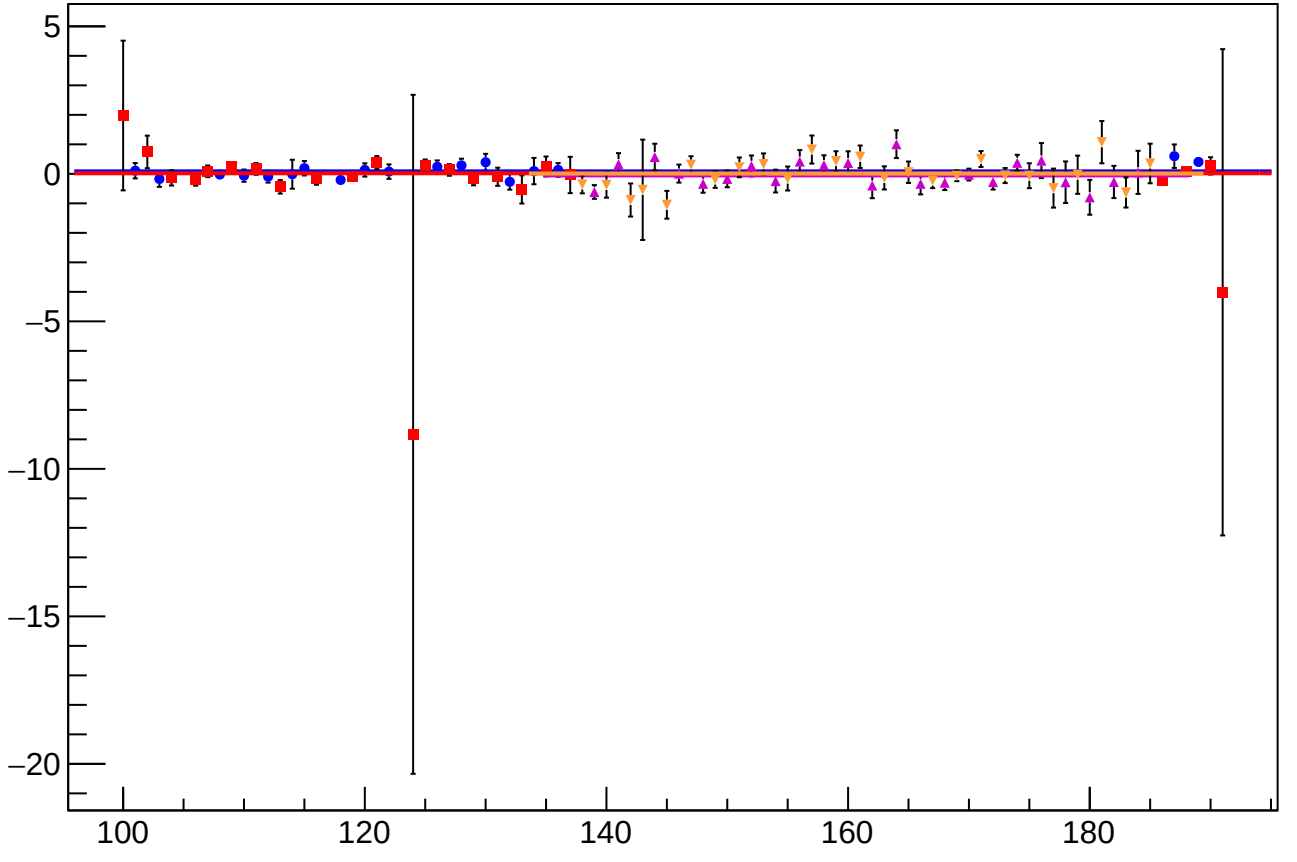
Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 195.073+/-0.030 χ^2/NDF: 11268366.3/42

All: 178.888+/-0.020 χ^2/NDF: 25150230.6/88

- sign 166.402+/-0.027 χ^2/NDF: 13372962.0/45

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

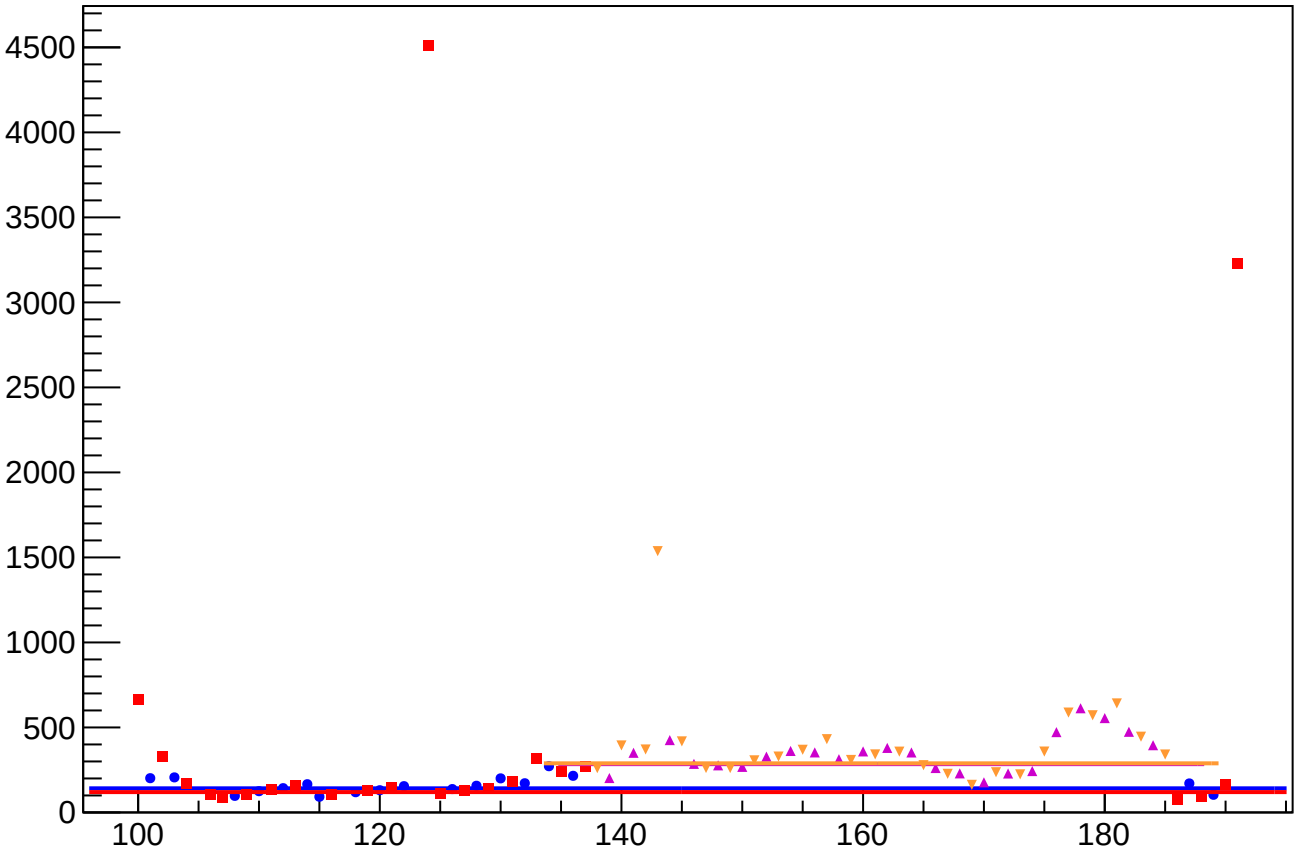
Right Out: 0.019+/-0.044 χ^2/NDF: 25.7/22

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.057+/-0.043 χ^2/NDF: 46.1/42

All: 0.024+/-0.028 χ^2/NDF: 101.4/88

- sign -0.002+/-0.038 χ^2/NDF: 54.2/45



Right In: 141.923+/-0.038 χ^2/NDF: 1149435.7/17

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

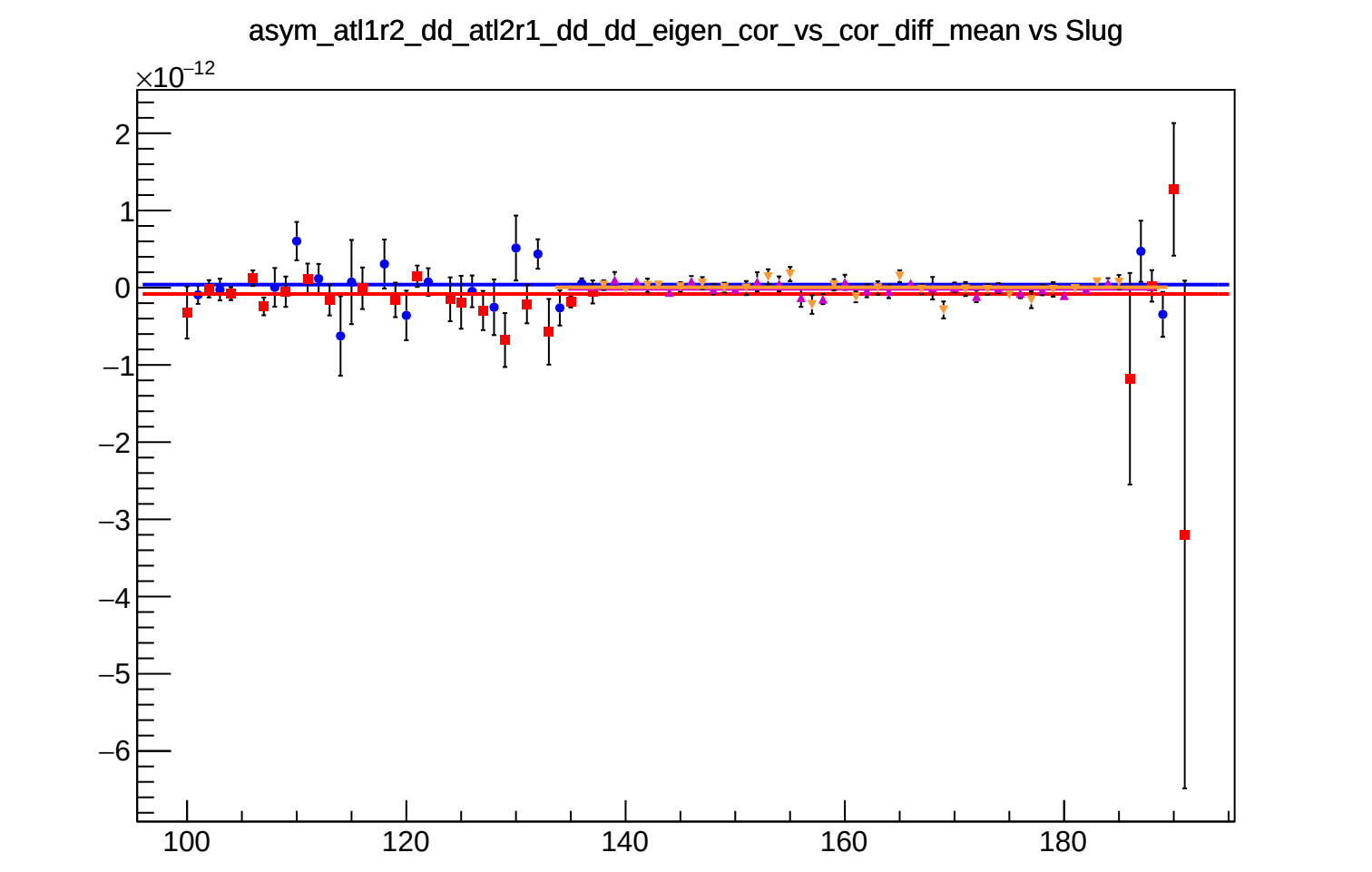
Right Out: 119.727+/-0.031 χ^2/NDF: 2481570.6/22

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 195.073+/-0.030 χ^2/NDF: 11268366.3/42

All: 178.888+/-0.020 χ^2/NDF: 25150230.6/88

- sign 166.402+/-0.027 χ^2/NDF: 13372962.0/45



Right In: 0.000+/-0.000 χ^2/NDF: 21.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

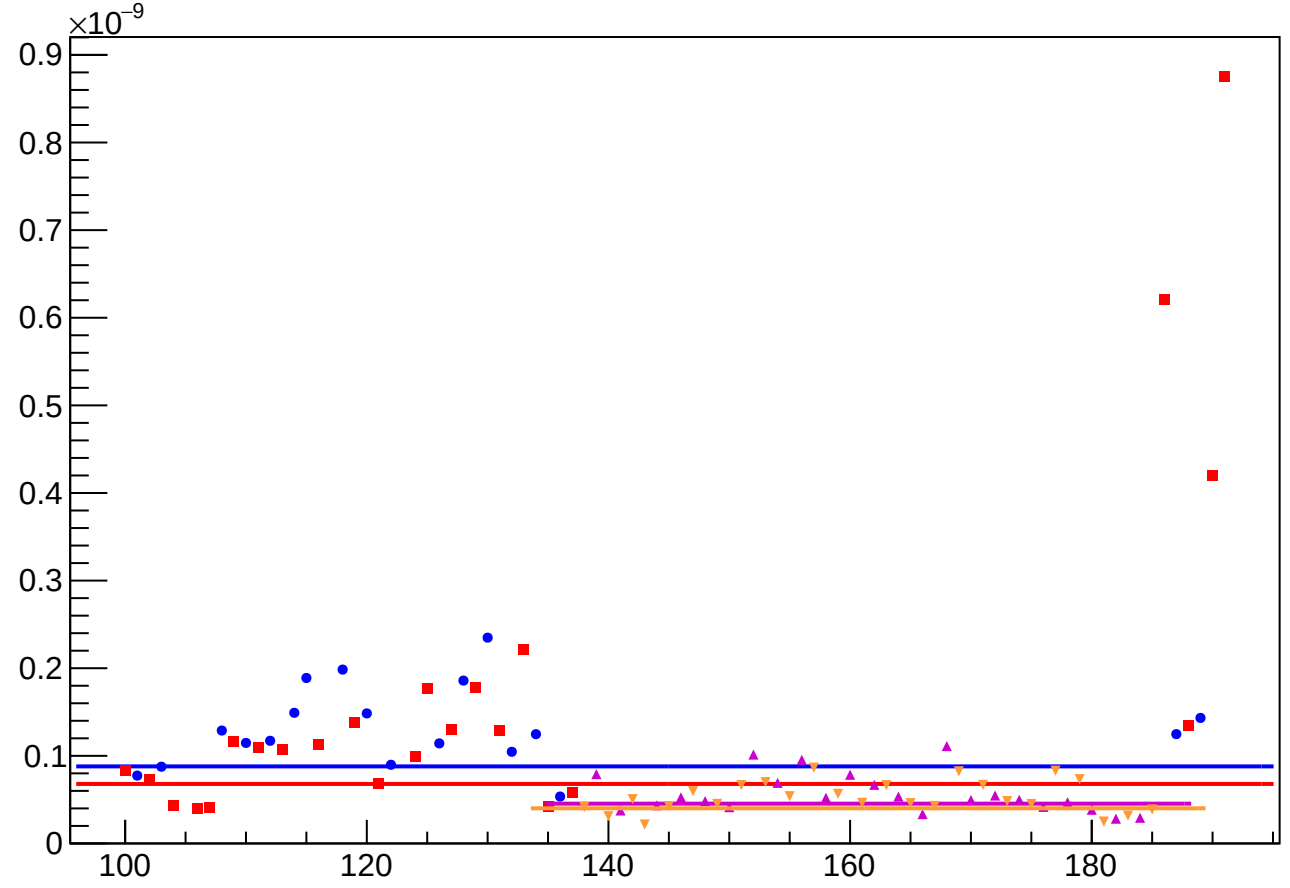
Right Out: -0.000+/-0.000 χ^2/NDF: 22.5/22

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: 109.3/88

- sign -0.000+/-0.000 χ^2/NDF: 49.1/45



Right In: 0.000+/-0.000 χ^2/NDF: 1658110.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3167915.4/22

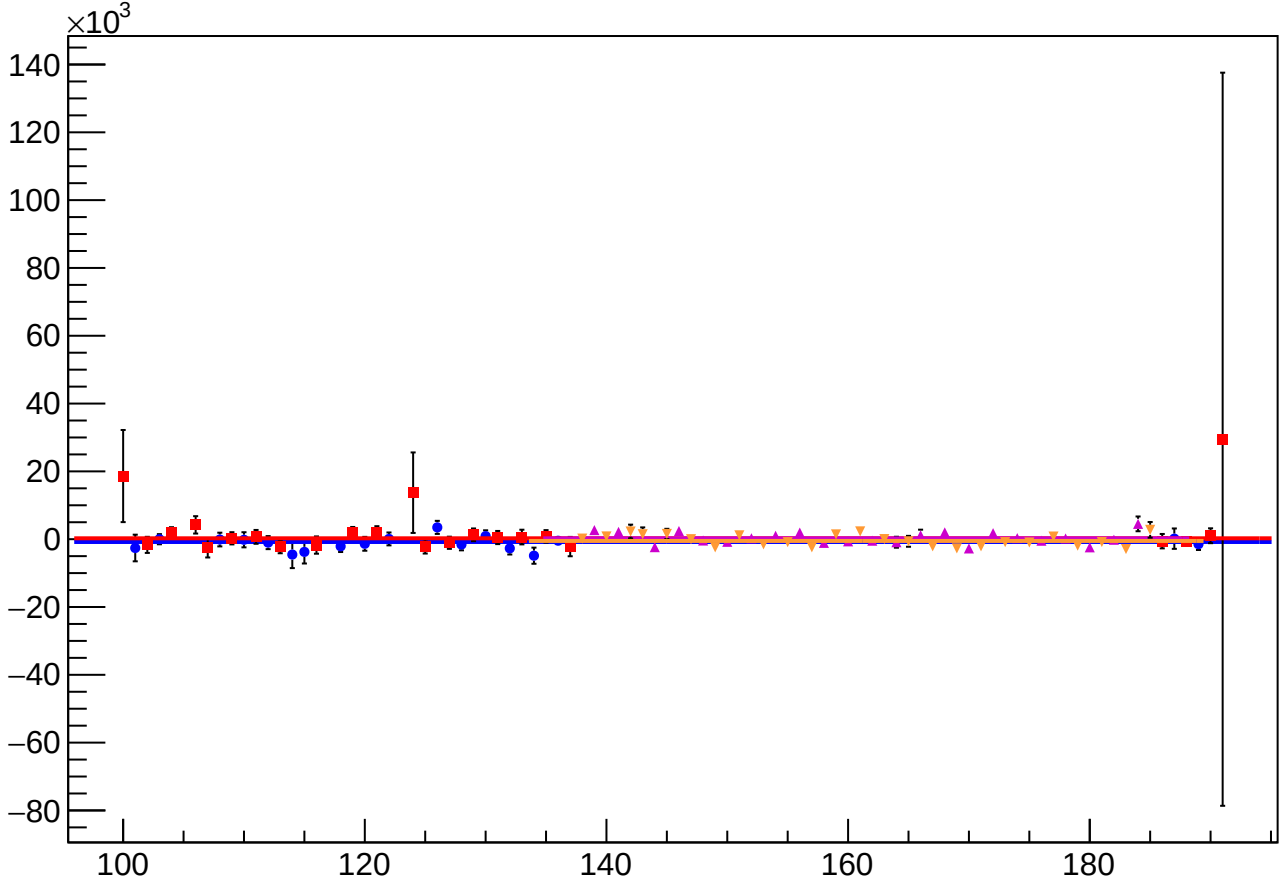
Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 7654655.6/42

All: 0.000+/-0.000 χ^2/NDF: 14517273.1/88

- sign 0.000+/-0.000 χ^2/NDF: 6712975.9/45

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



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: 260.292+/-438.704 χ^2/NDF: 16.4/22

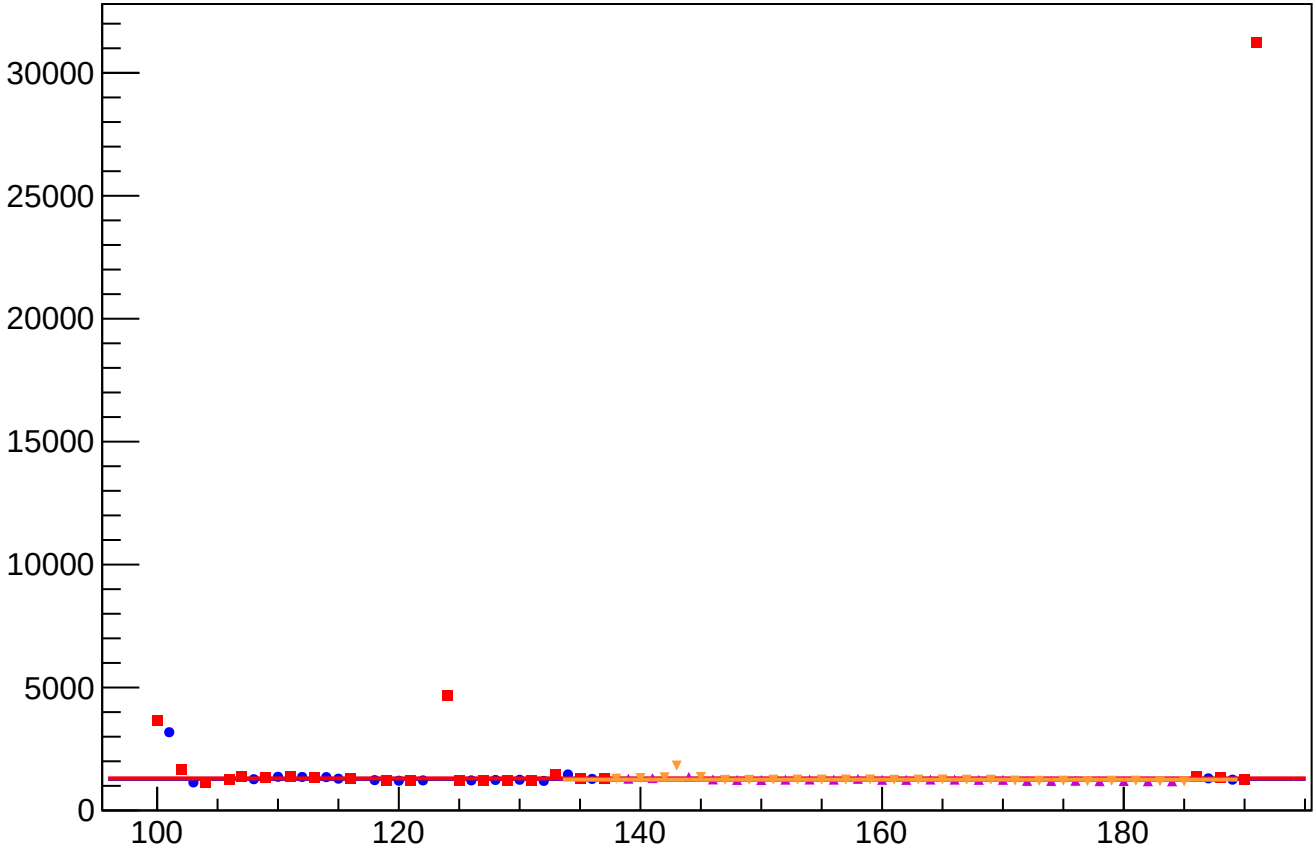
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

+ sign -599.560+/-243.340 χ^2/NDF: 44.9/42

All: -174.450+/-171.804 χ^2/NDF: 99.4/88

- sign 248.069+/-242.597 χ^2/NDF: 48.4/45

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

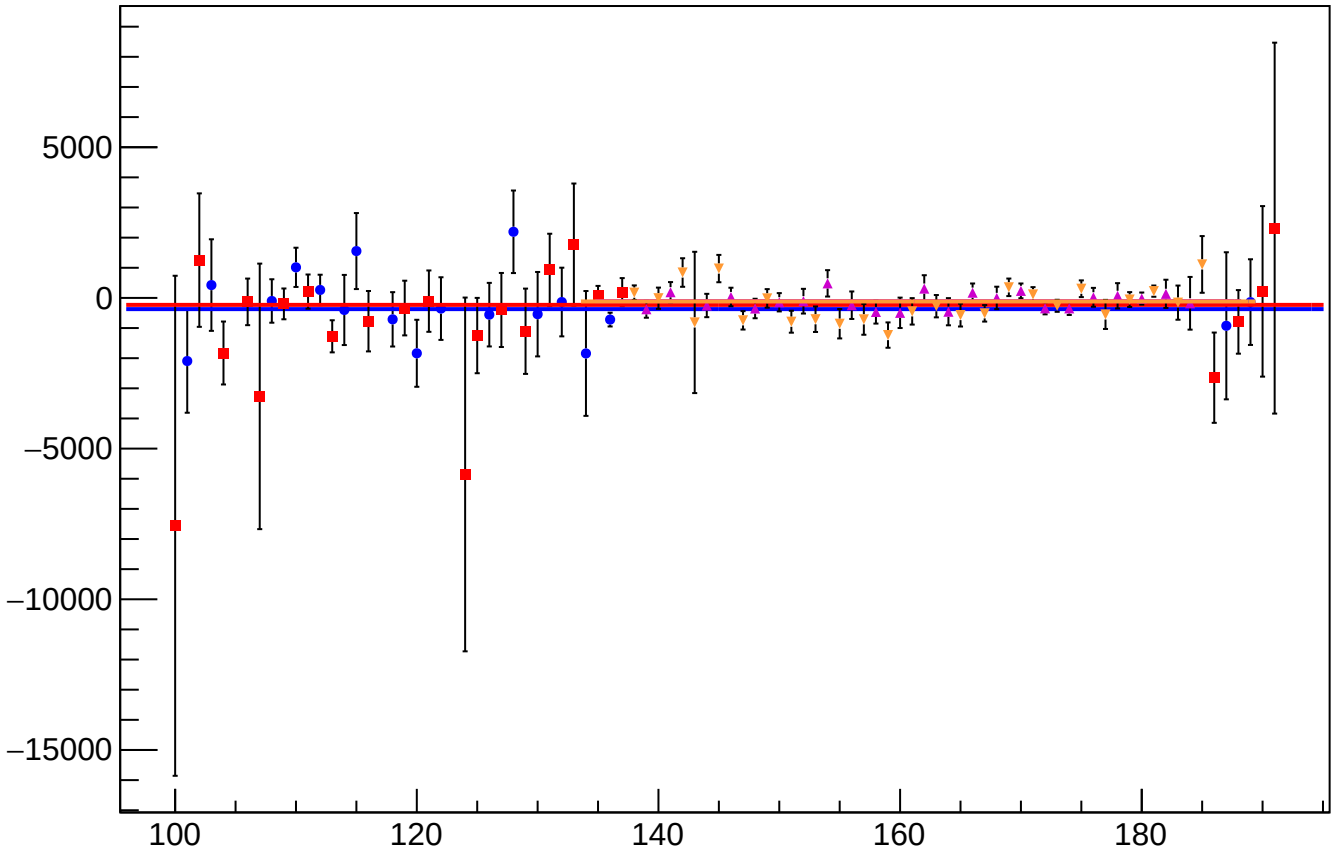
Right Out: 1303.079+/-0.310 χ^2/NDF: 488294.7/22

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1263.408+/-0.172 χ^2/NDF: 727599.9/42

All: 1263.555+/-0.121 χ^2/NDF: 1278965.7/88

- sign 1263.701+/-0.172 χ^2/NDF: 551364.4/45



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: -230.949+/-166.042 χ^2/NDF: 17.8/22

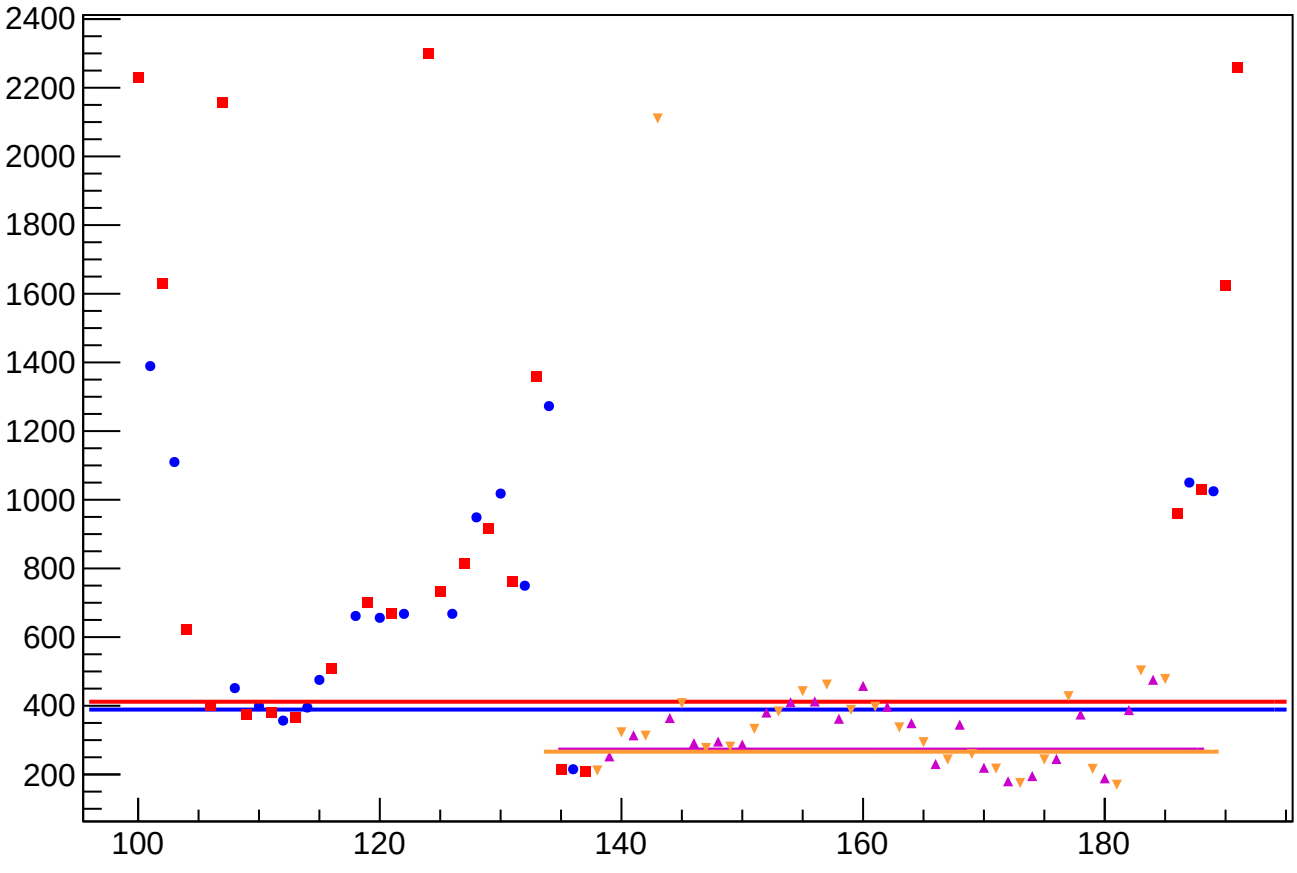
Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

\+ sign -150.709+/-60.604 χ^2/NDF: 68.7/42

All: -138.004+/-43.384 χ^2/NDF: 100.8/88

\- sign -124.650+/-62.133 χ^2/NDF: 32.0/45

asym_atl1r2_dd_atl2r1_dd_avg_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

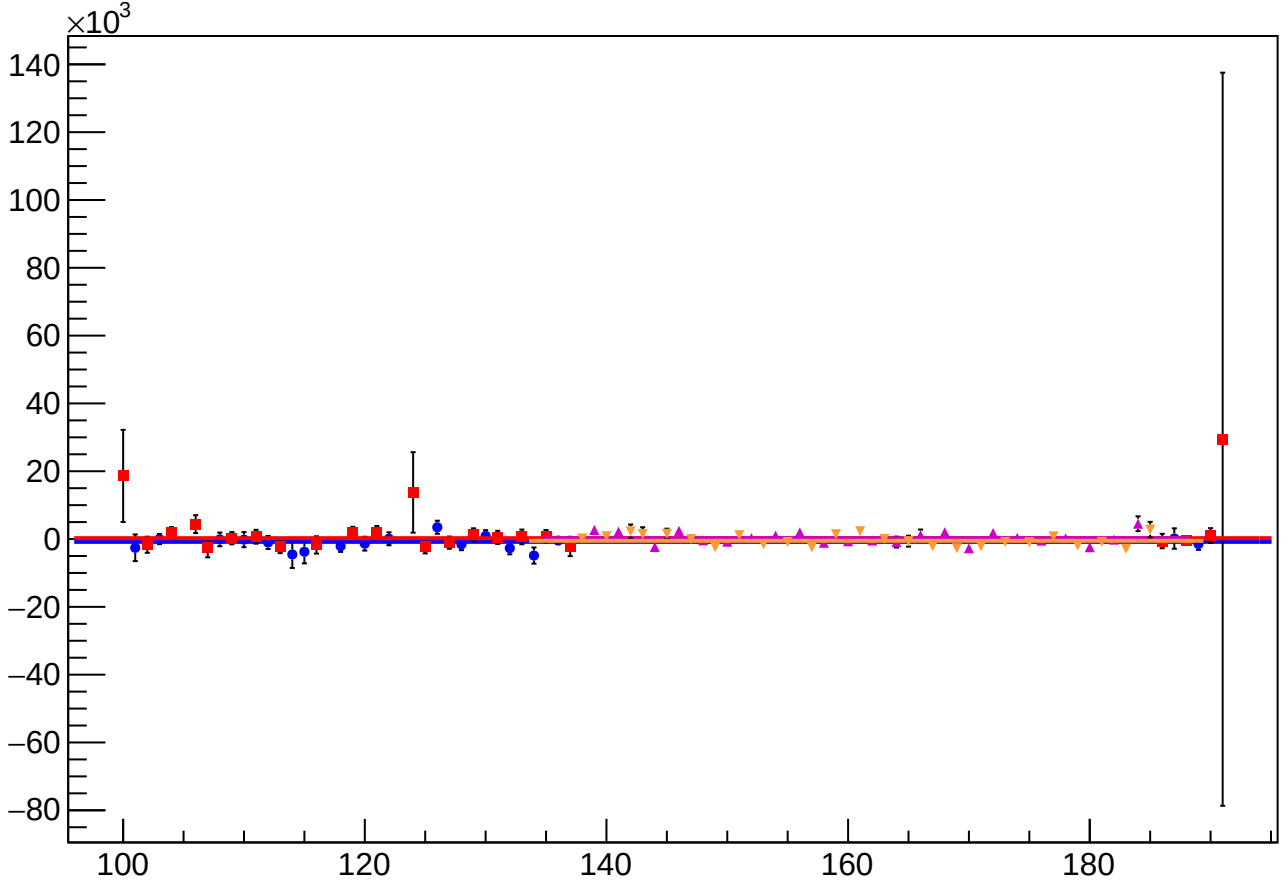
Right Out: 411.830+/-0.117 χ^2/NDF: 5613525.2/22

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

+ sign 282.537+/-0.043 χ^2/NDF: 10317111.4/42

All: 287.100+/-0.031 χ^2/NDF: 20055085.0/88

- sign 291.896+/-0.044 χ^2/NDF: 9714718.9/45



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: 258.002+/-439.089 χ^2/NDF: 16.4/22

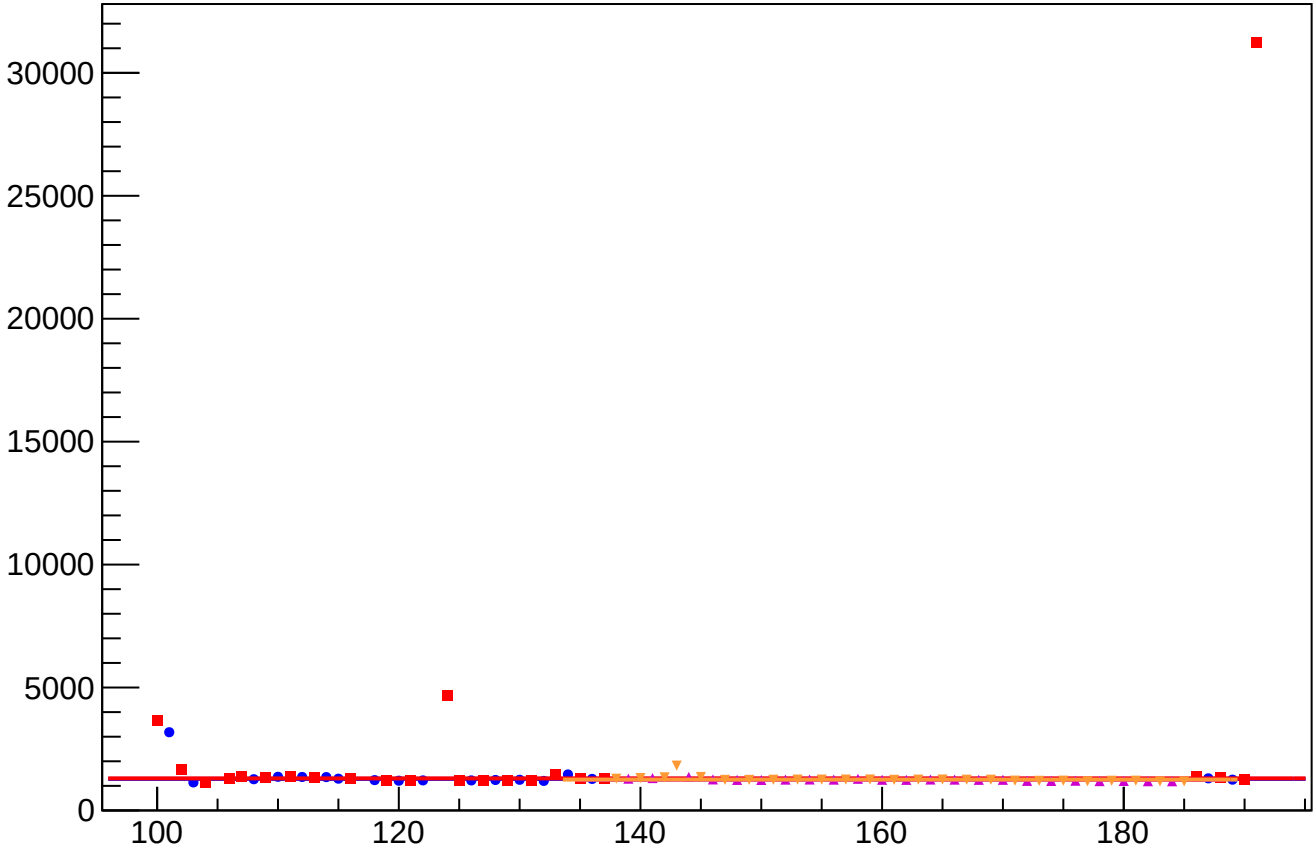
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -599.419+/-243.340 χ^2/NDF: 44.9/42

All: -174.855+/-171.827 χ^2/NDF: 99.4/88

- sign 247.348+/-242.662 χ^2/NDF: 48.5/45

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

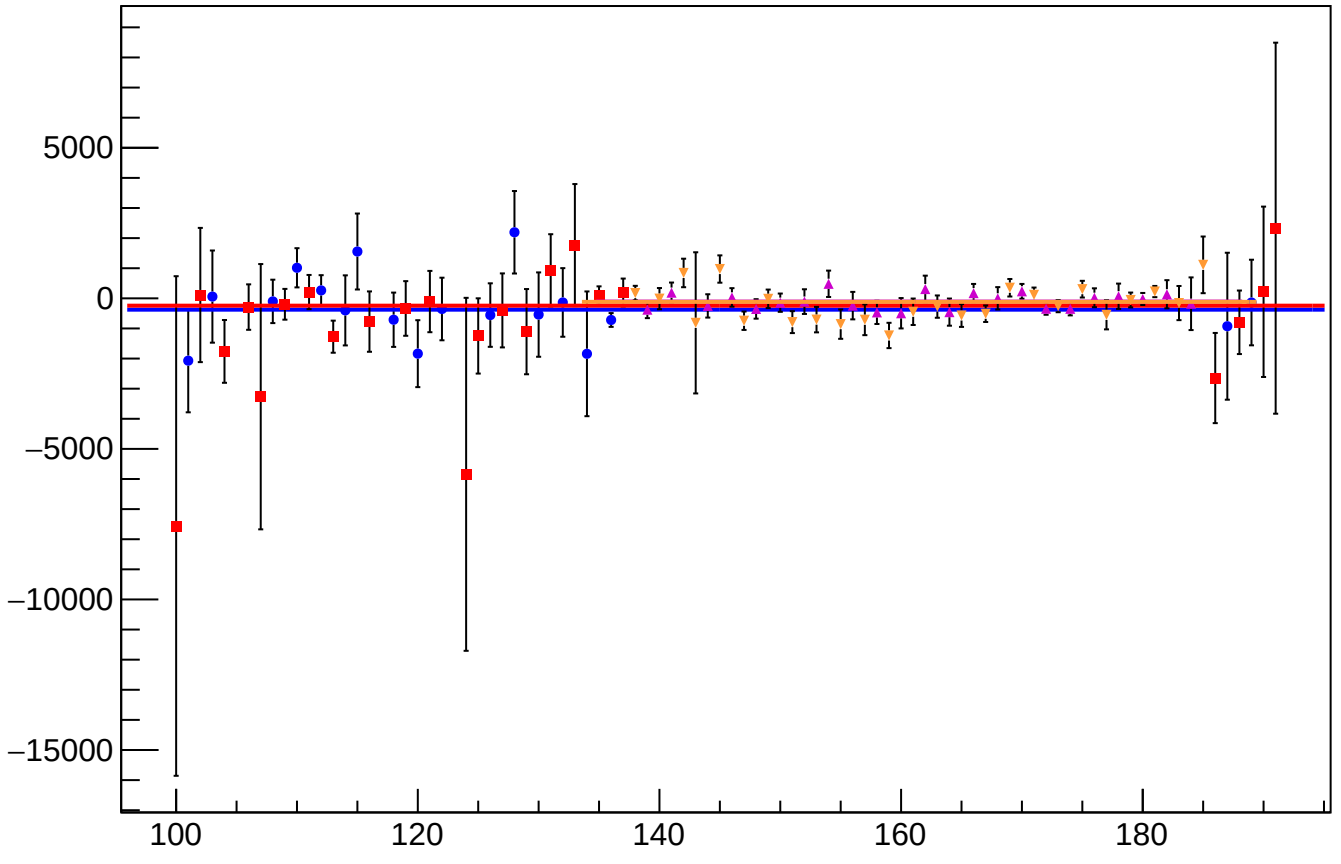
Right Out: 1304.275+/-0.310 χ^2/NDF: 487793.5/22

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1263.408+/-0.172 χ^2/NDF: 727601.2/42

All: 1263.727+/-0.122 χ^2/NDF: 1279430.3/88

- sign 1264.045+/-0.172 χ^2/NDF: 551822.2/45



Right In: -376.061+/-166.667 χ^2/NDF: 18.0/17

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

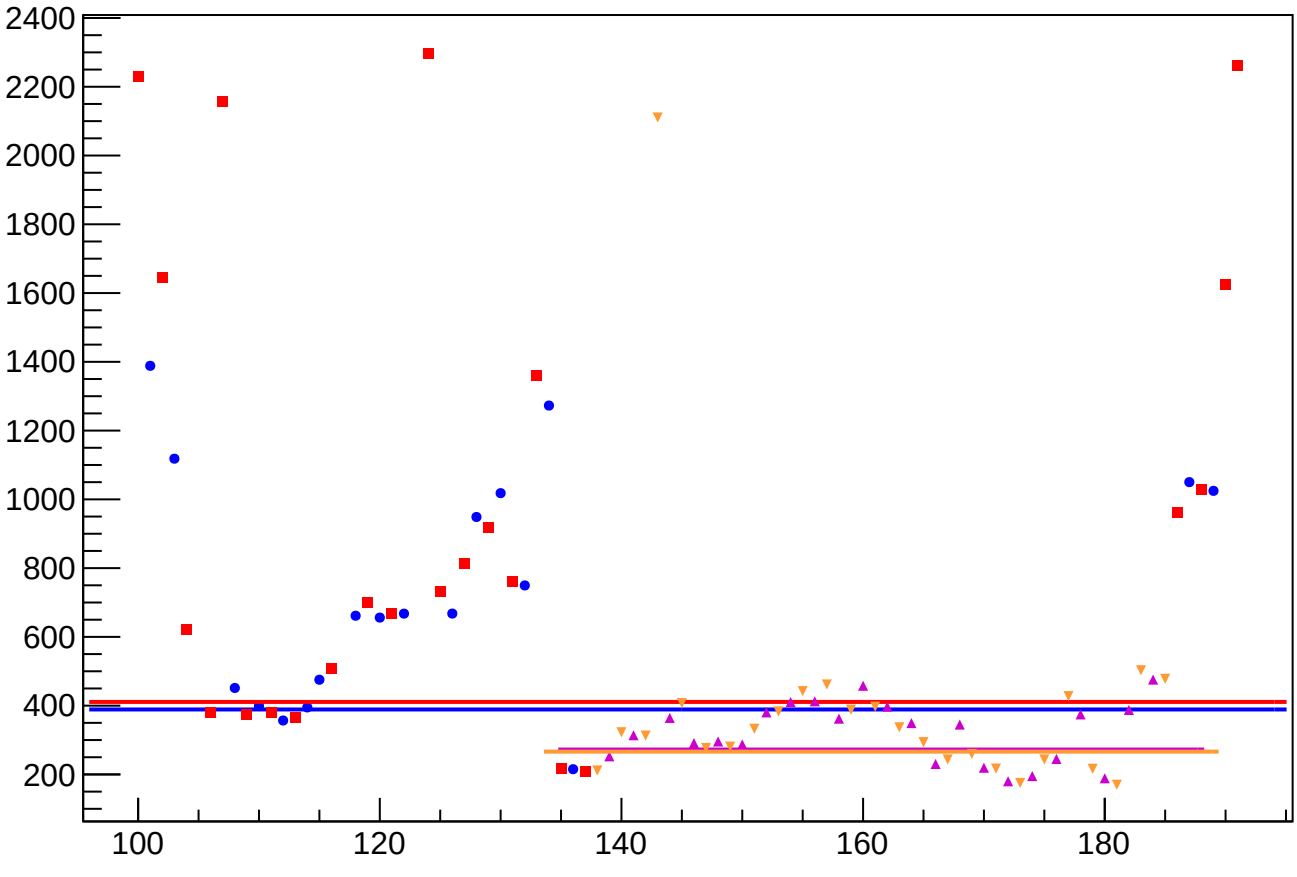
Right Out: -243.513+/-165.856 χ^2/NDF: 17.2/22

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -151.258+/-60.606 χ^2/NDF: 68.6/42

All: -139.208+/-43.382 χ^2/NDF: 100.1/88

- sign -126.548+/-62.125 χ^2/NDF: 31.5/45



Right In: 388.931+/-0.118 χ^2/NDF: 4750587.4/17

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

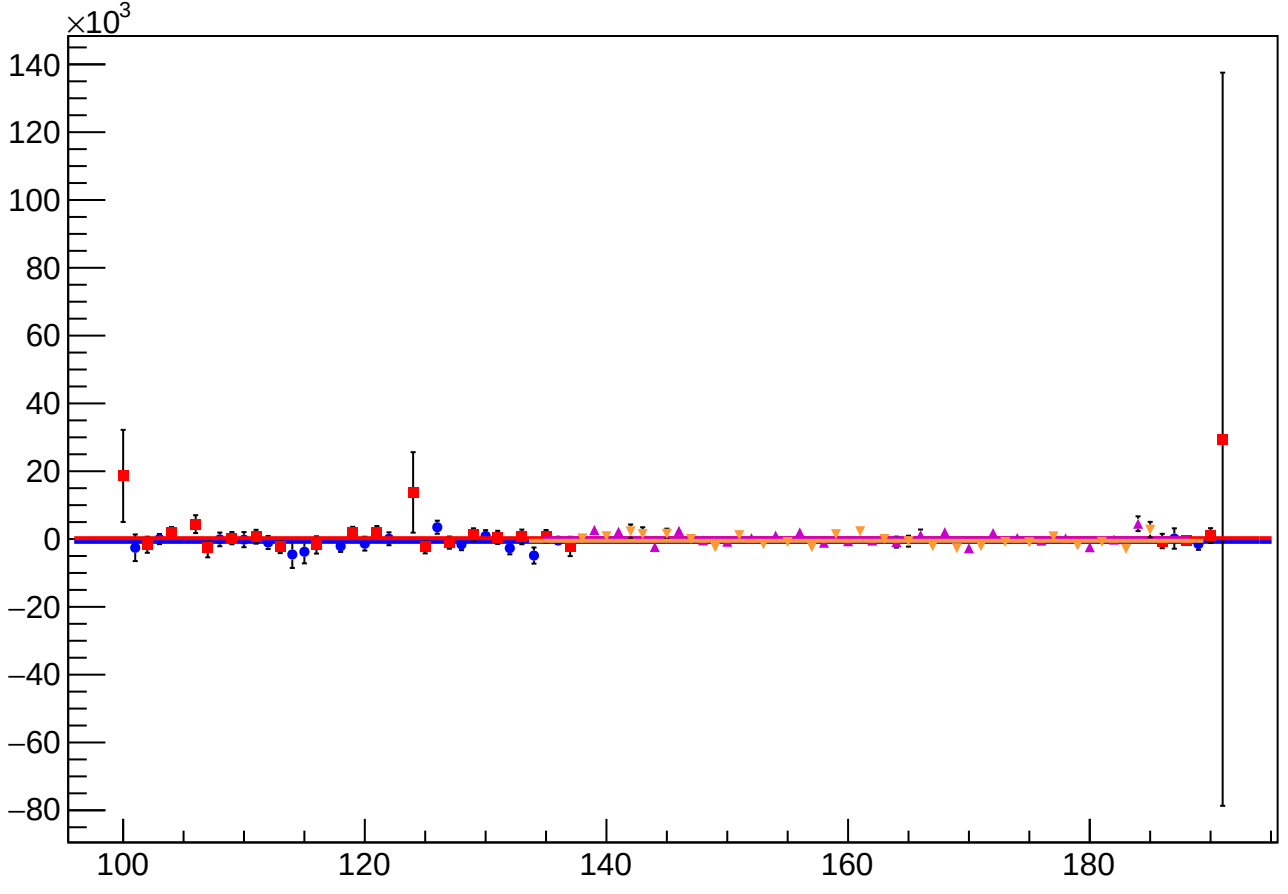
Right Out: 410.866+/-0.117 χ^2/NDF: 5623032.0/22

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 282.539+/-0.043 χ^2/NDF: 10319934.1/42

All: 287.059+/-0.031 χ^2/NDF: 20052145.3/88

- sign 291.808+/-0.044 χ^2/NDF: 9709398.6/45



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: 258.002+/-439.089 χ^2/NDF: 16.4/22

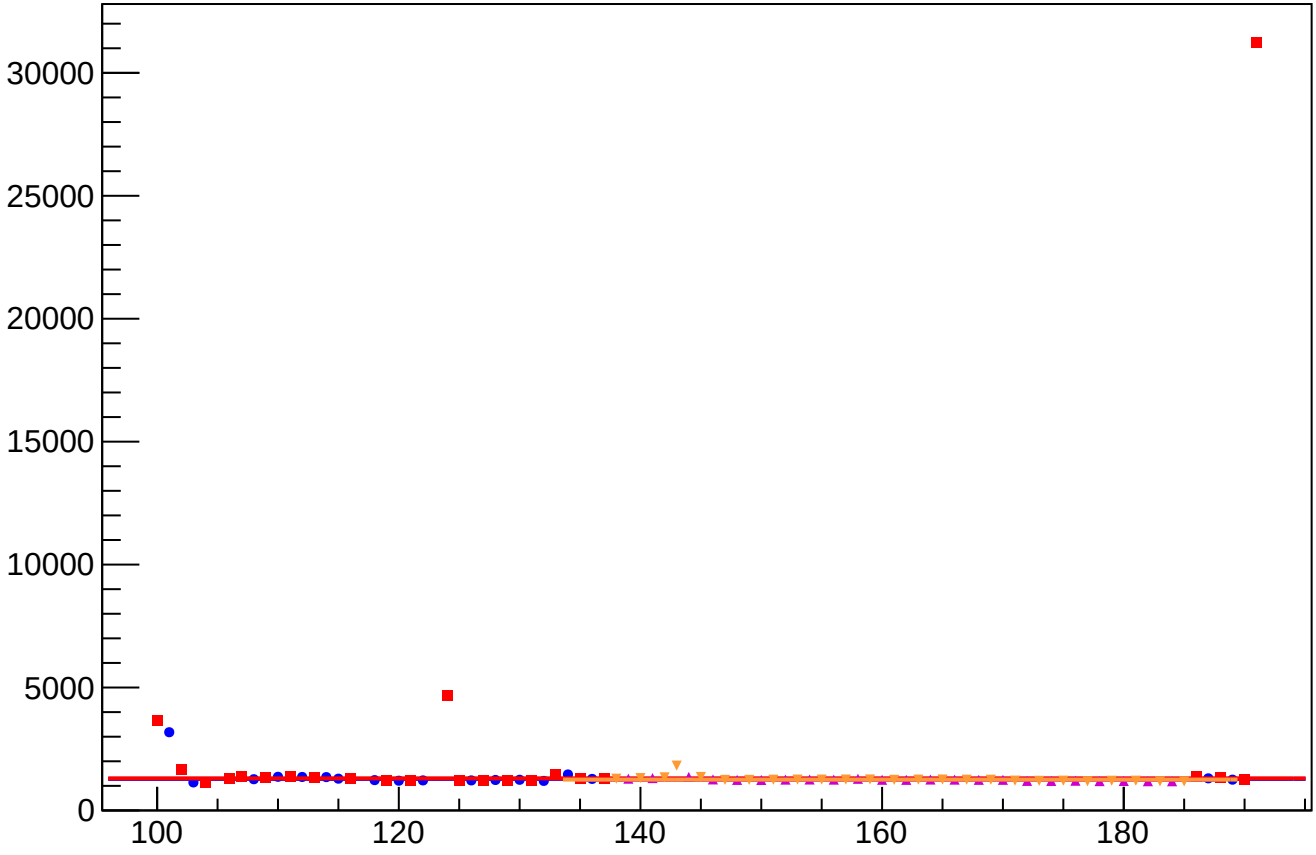
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -599.419+/-243.340 χ^2/NDF: 44.9/42

All: -174.855+/-171.827 χ^2/NDF: 99.4/88

- sign 247.348+/-242.662 χ^2/NDF: 48.5/45

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

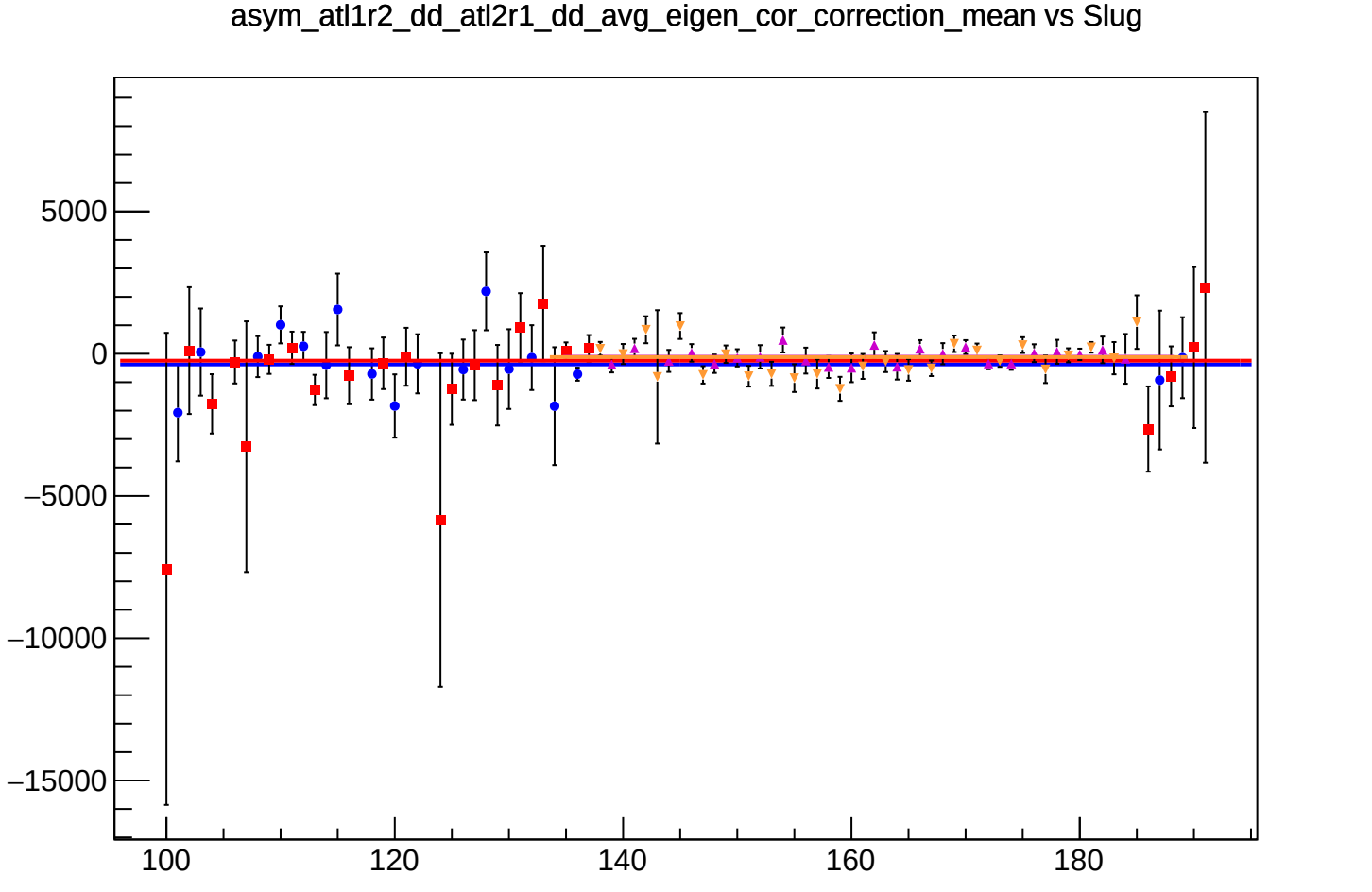
Right Out: 1304.275+/-0.310 χ^2/NDF: 487793.5/22

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1263.408+/-0.172 χ^2/NDF: 727601.2/42

All: 1263.727+/-0.122 χ^2/NDF: 1279430.3/88

- sign 1264.045+/-0.172 χ^2/NDF: 551822.2/45



Right In: -376.061+/-166.667 χ^2/NDF: 18.0/17

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

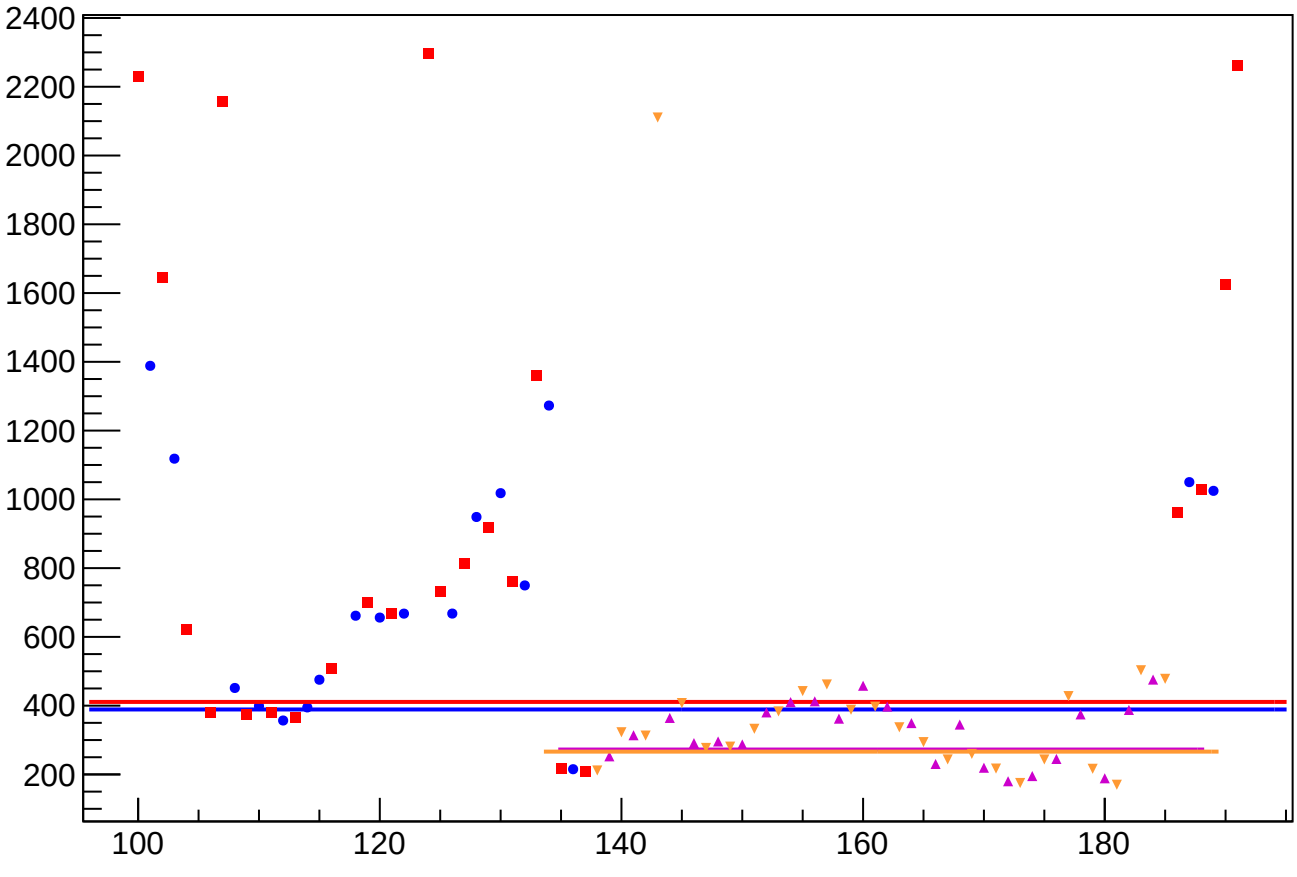
Right Out: -243.513+/-165.856 χ^2/NDF: 17.2/22

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -151.258+/-60.606 χ^2/NDF: 68.6/42

All: -139.208+/-43.382 χ^2/NDF: 100.1/88

- sign -126.548+/-62.125 χ^2/NDF: 31.5/45



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: 410.866+/-0.117 χ^2/NDF: 5623032.0/22

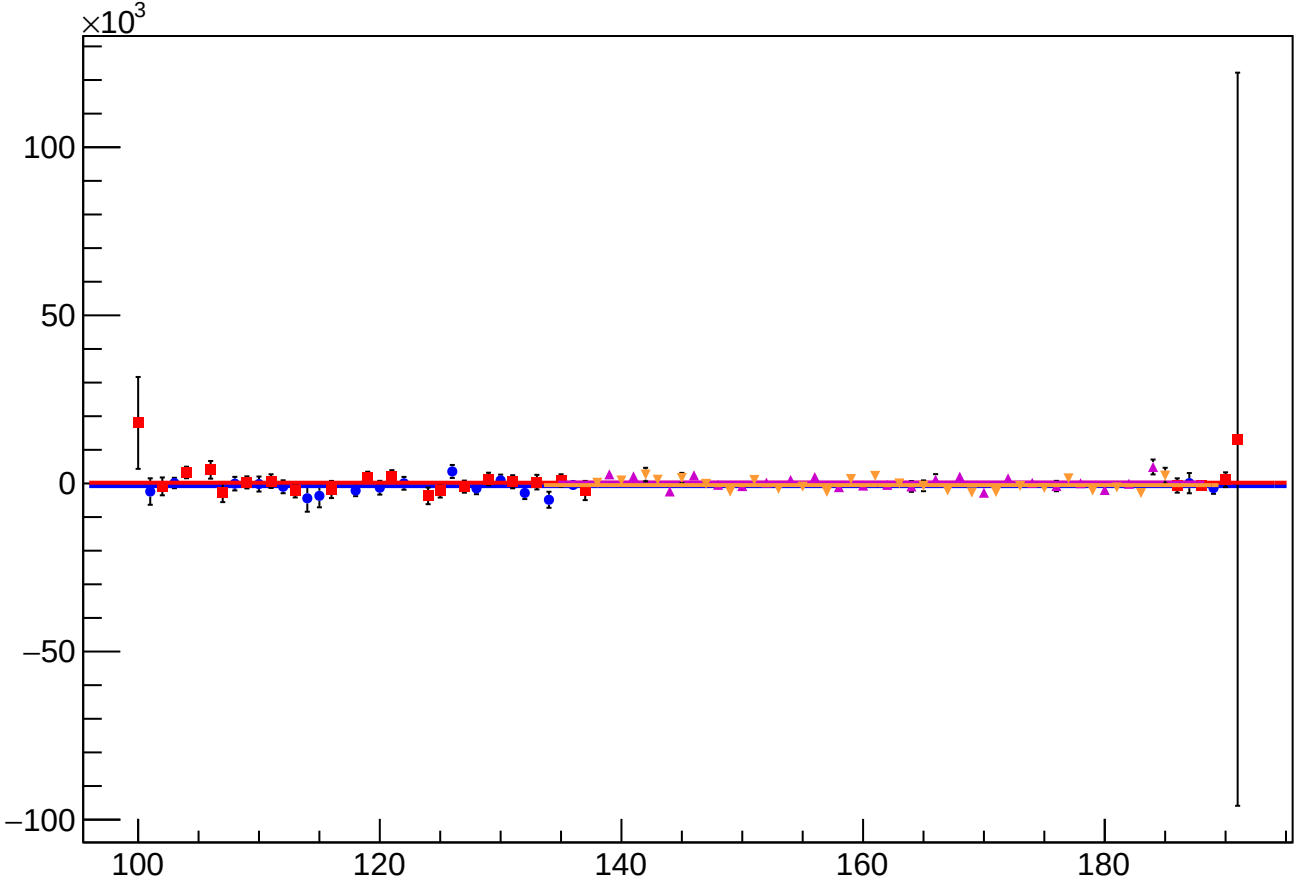
Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 282.539+/-0.043 χ^2/NDF: 10319934.1/42

All: 287.059+/-0.031 χ^2/NDF: 20052145.3/88

- sign 291.808+/-0.044 χ^2/NDF: 9709398.6/45

dit_asym_atl1r2_dd_atl2r1_dd_avg_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: 217.861+/-436.444 χ^2/NDF: 18.6/22

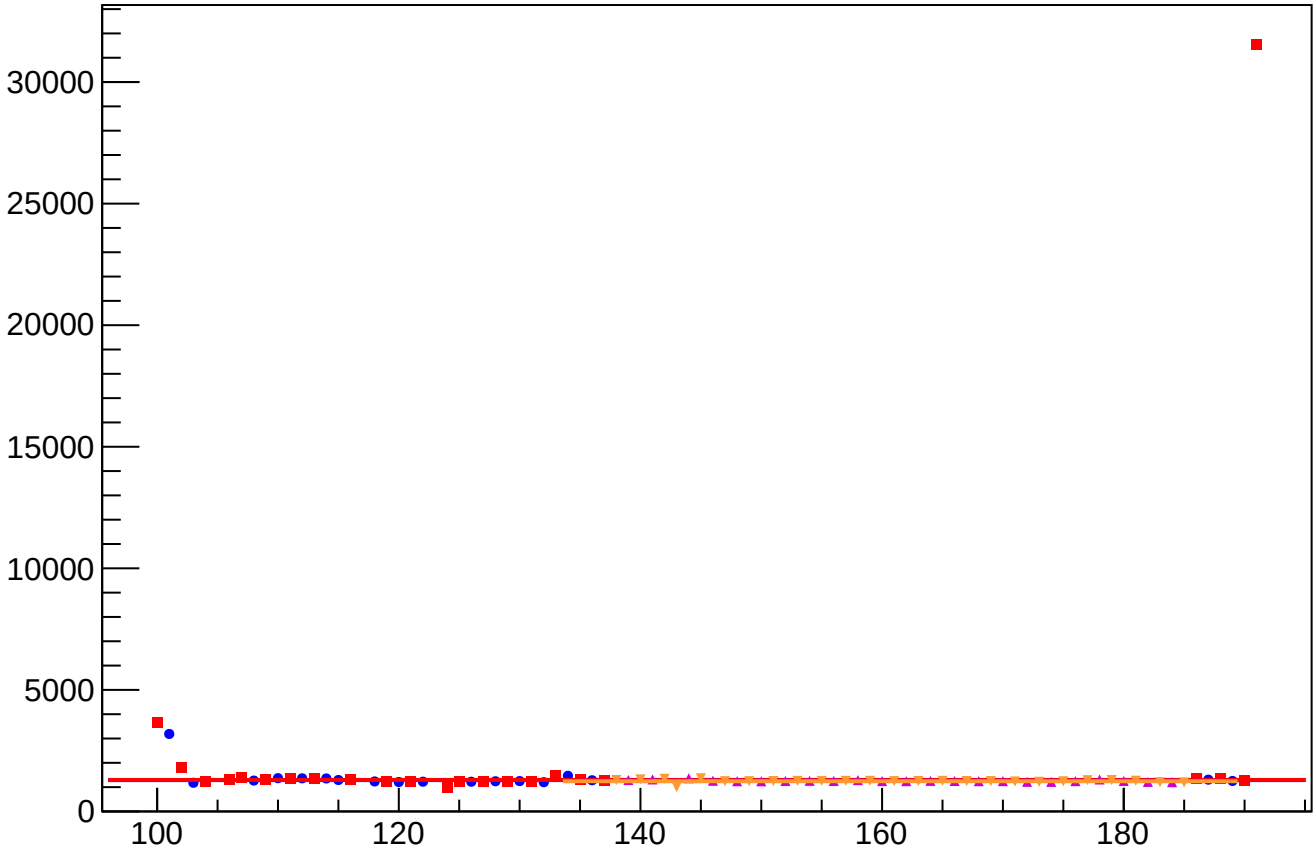
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -574.529+/-241.621 χ^2/NDF: 48.3/42

All: -174.049+/-171.697 χ^2/NDF: 103.2/88

- sign 234.456+/-244.030 χ^2/NDF: 49.3/45

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

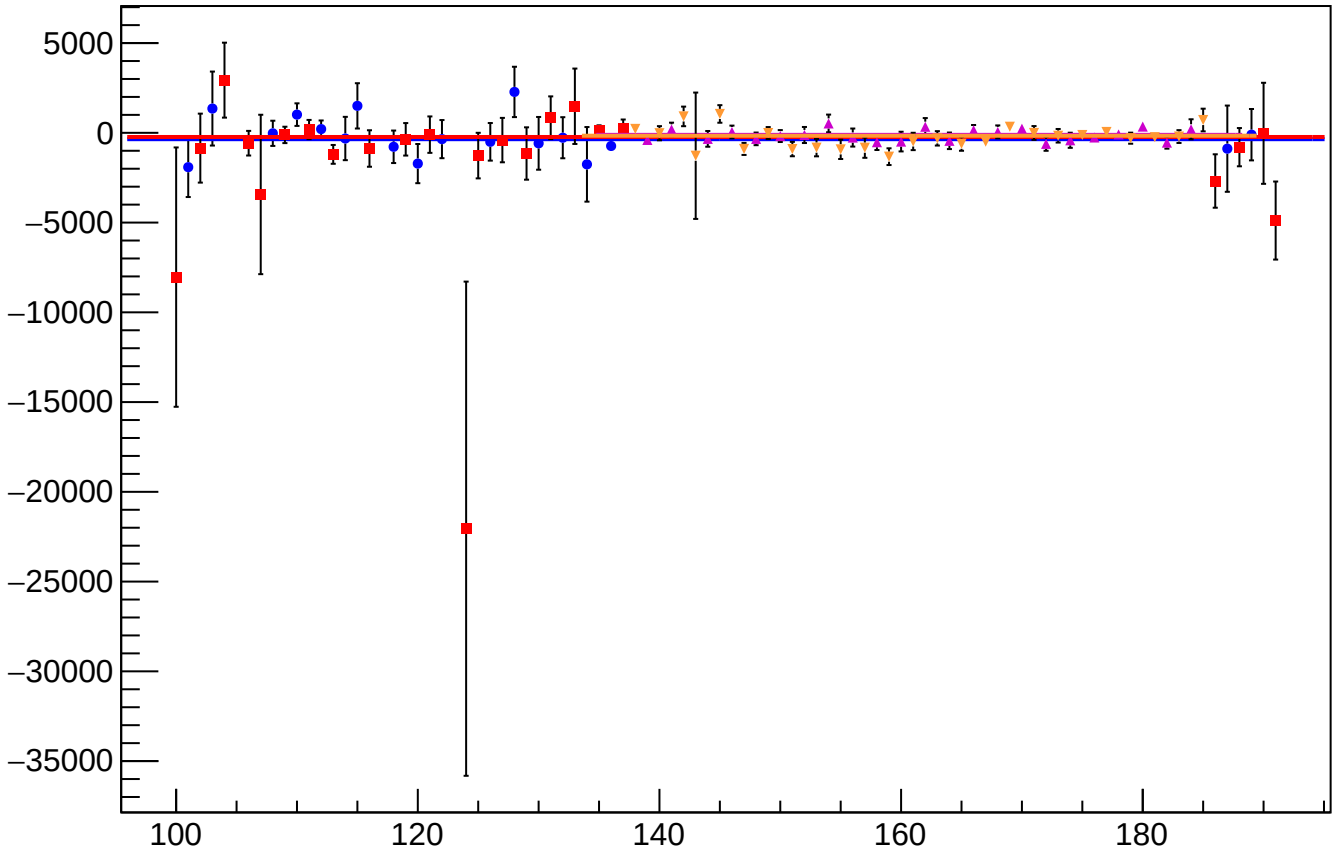
Right Out: 1296.757+/-0.309 χ^2/NDF: 371558.9/22

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

+ sign 1255.252+/-0.171 χ^2/NDF: 655377.8/42

All: 1263.323+/-0.121 χ^2/NDF: 1069078.1/88

- sign 1271.556+/-0.173 χ^2/NDF: 409192.4/45



Right In: -354.342+/-168.369 χ^2/NDF: 18.5/17

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

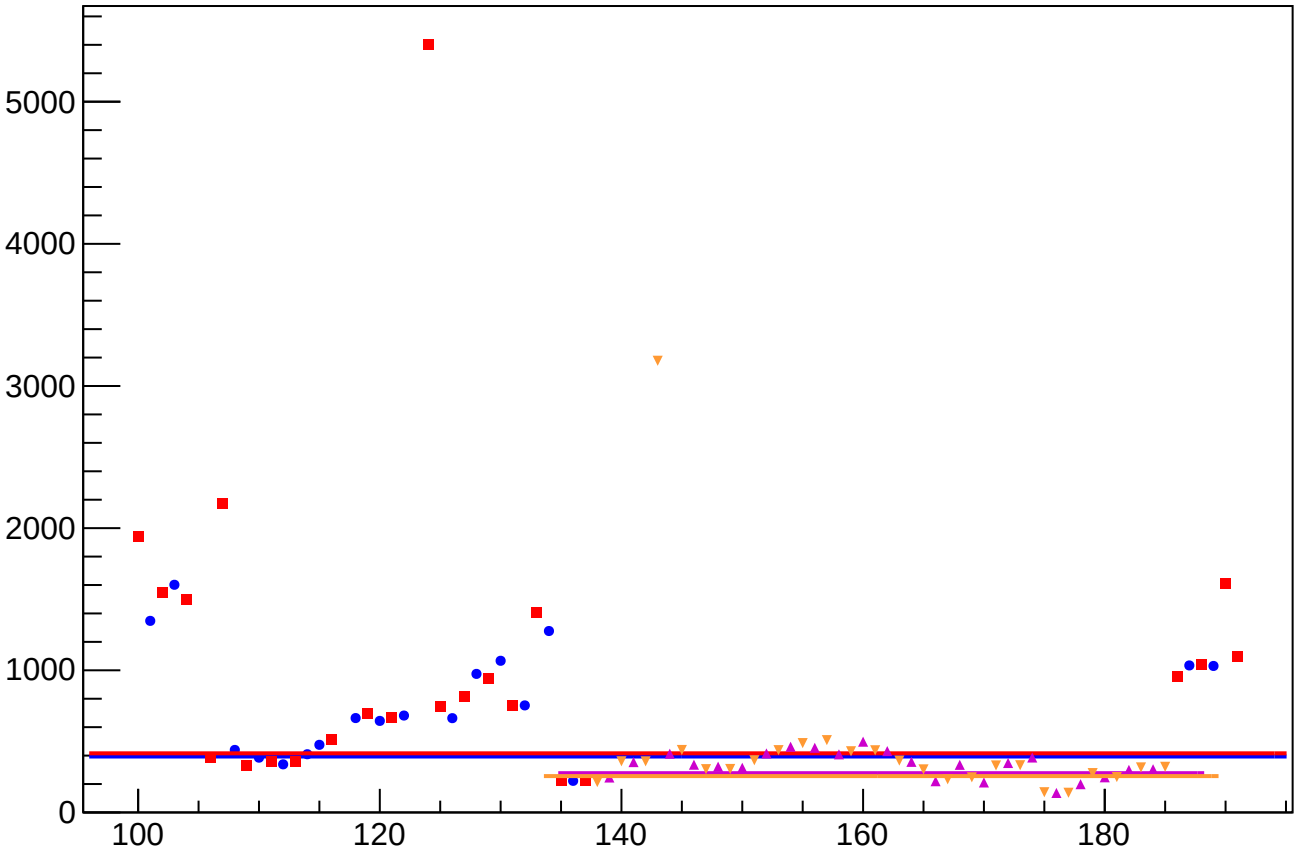
Right Out: -231.797+/-165.727 χ^2/NDF: 23.6/22

Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

+ sign -185.436+/-59.932 χ^2/NDF: 63.4/42

All: -159.867+/-43.609 χ^2/NDF: 106.1/88

- sign -131.097+/-63.574 χ^2/NDF: 42.2/45



Right In: 393.541+/-0.119 χ^2/NDF: 4866722.7/17

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

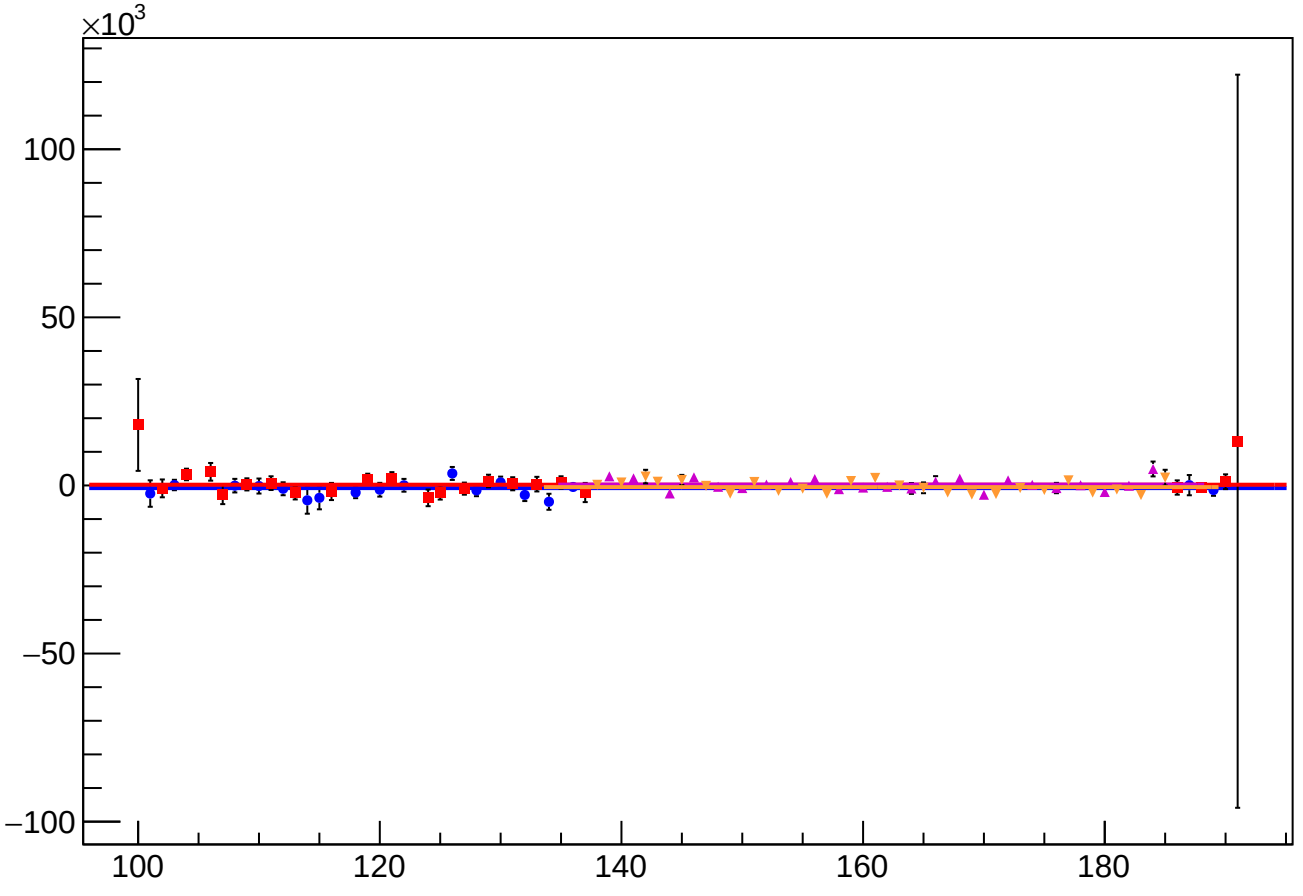
Right Out: 416.002+/-0.117 χ^2/NDF: 6135867.1/22

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 273.225+/-0.042 χ^2/NDF: 12410127.2/42

All: 284.344+/-0.031 χ^2/NDF: 23931806.0/88

- sign 296.856+/-0.045 χ^2/NDF: 11375360.3/45



Right In: -794.140+/-465.277 χ^2/NDF: 13.8/17

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

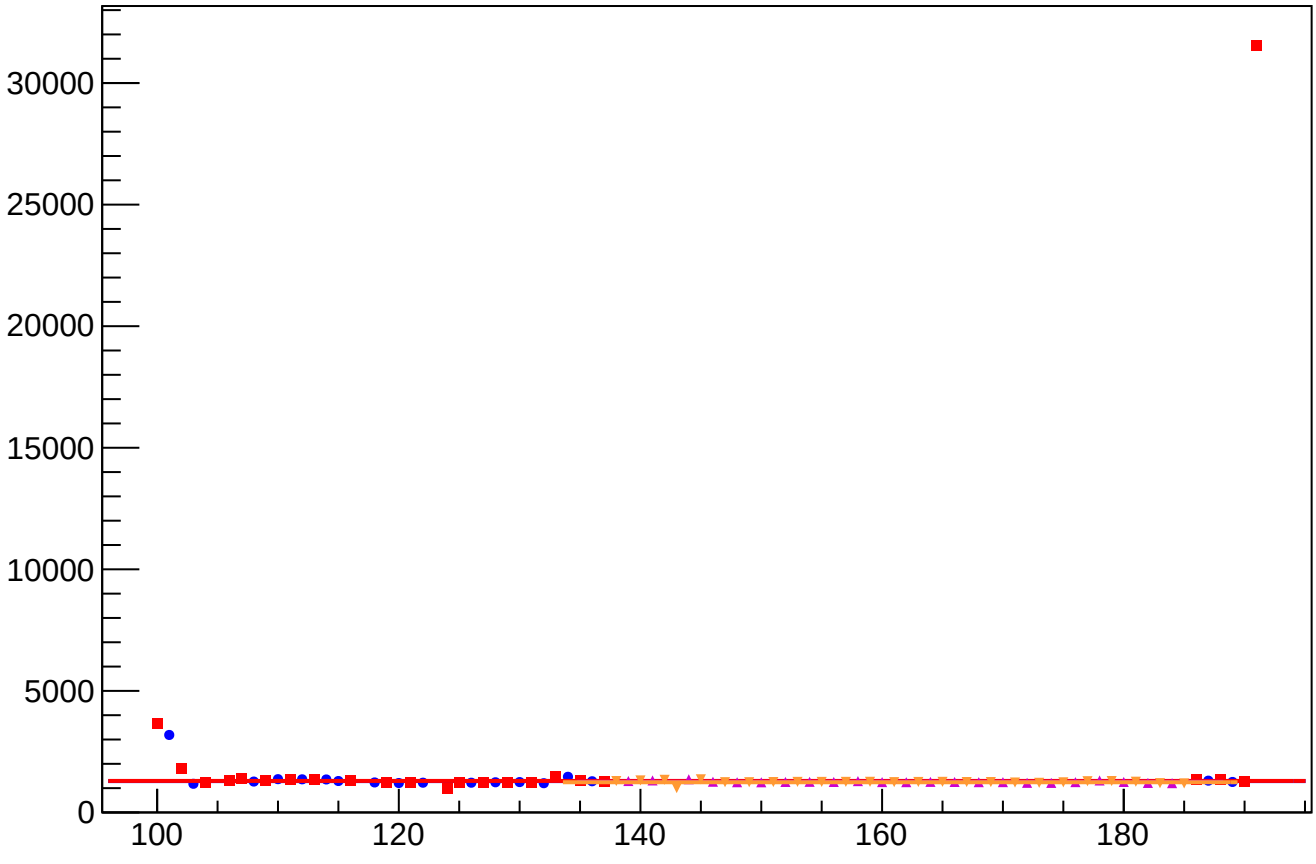
Right Out: 217.861+/-436.444 χ^2/NDF: 18.6/22

Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -574.529+/-241.621 χ^2/NDF: 48.3/42

All: -174.049+/-171.697 χ^2/NDF: 103.2/88

- sign 234.456+/-244.030 χ^2/NDF: 49.3/45



Right In: 1289.680+/-0.329 χ^2/NDF: 510361.0/17

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

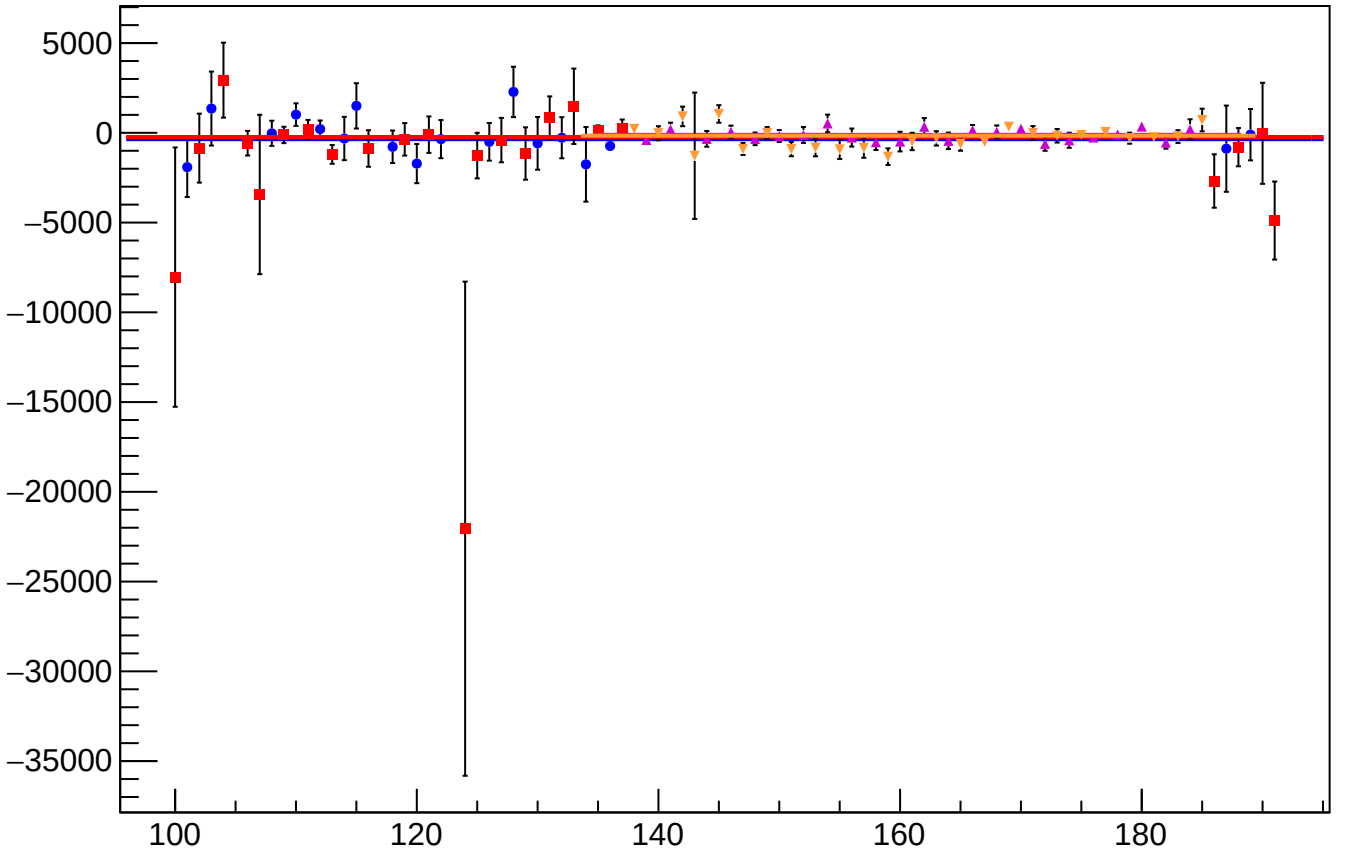
Right Out: 1296.757+/-0.309 χ^2/NDF: 371559.2/22

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

+ sign 1255.252+/-0.171 χ^2/NDF: 655376.9/42

All: 1263.323+/-0.121 χ^2/NDF: 1069077.5/88

- sign 1271.556+/-0.173 χ^2/NDF: 409192.8/45



Right In: -354.343+/-168.372 χ^2/NDF: 18.5/17

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

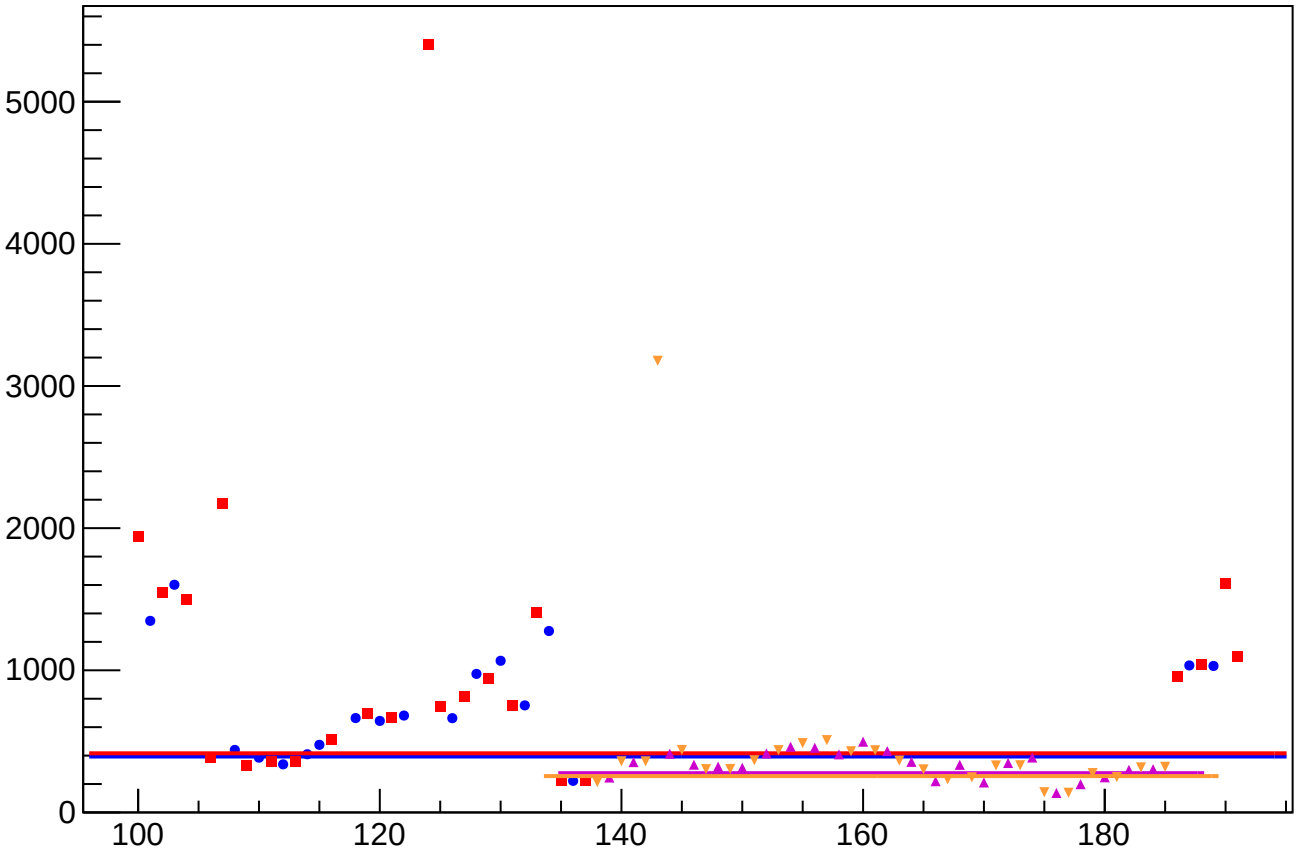
Right Out: -231.805+/-165.729 χ^2/NDF: 23.6/22

Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

+ sign -185.438+/-59.932 χ^2/NDF: 63.4/42

All: -159.868+/-43.609 χ^2/NDF: 106.1/88

- sign -131.096+/-63.574 χ^2/NDF: 42.2/45



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: 416.011+/-0.117 χ^2/NDF: 6135691.9/22

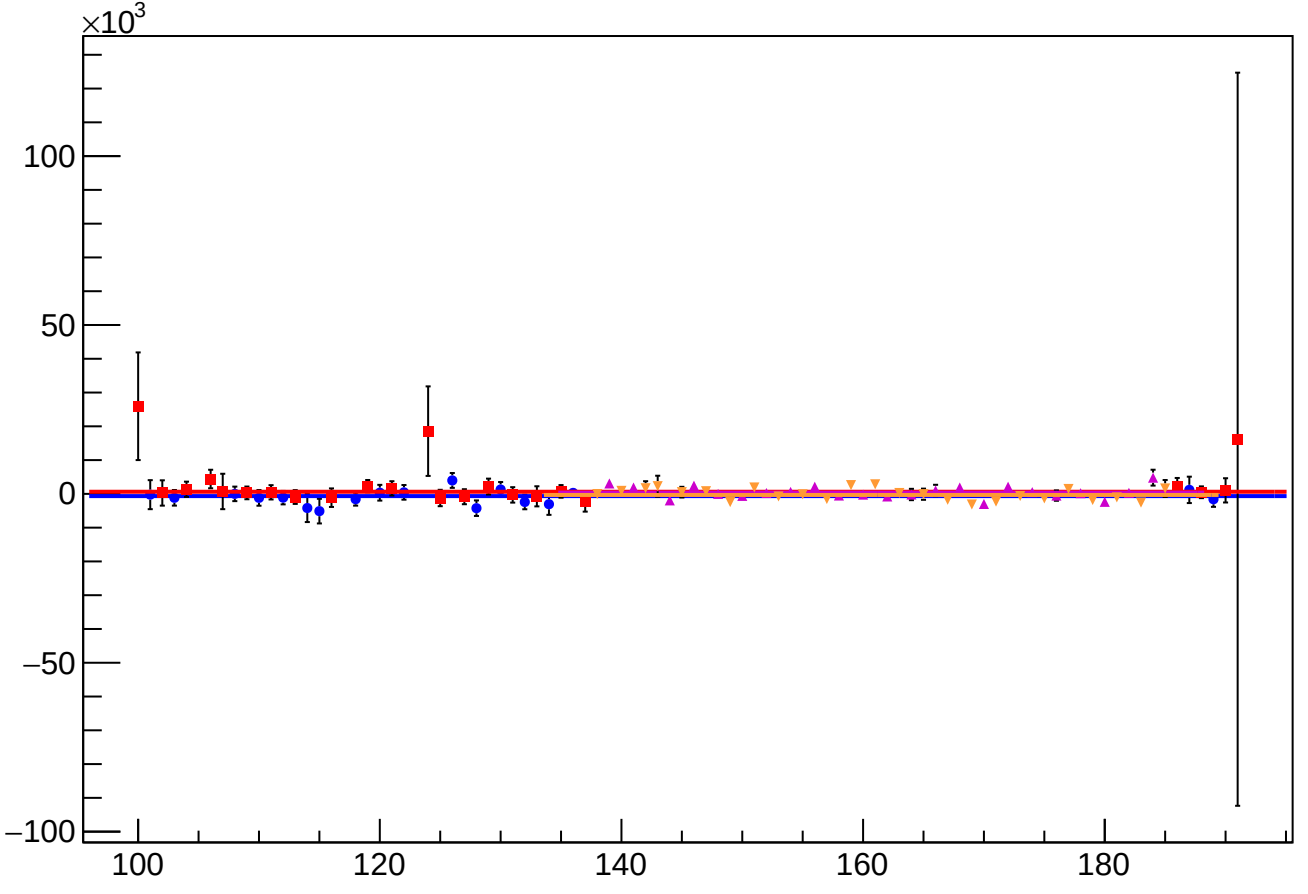
Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 273.227+/-0.042 χ^2/NDF: 12409944.6/42

All: 284.346+/-0.031 χ^2/NDF: 23931506.0/88

- sign 296.858+/-0.045 χ^2/NDF: 11375254.0/45

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: 631.249+/-522.213 χ^2/NDF: 11.7/22

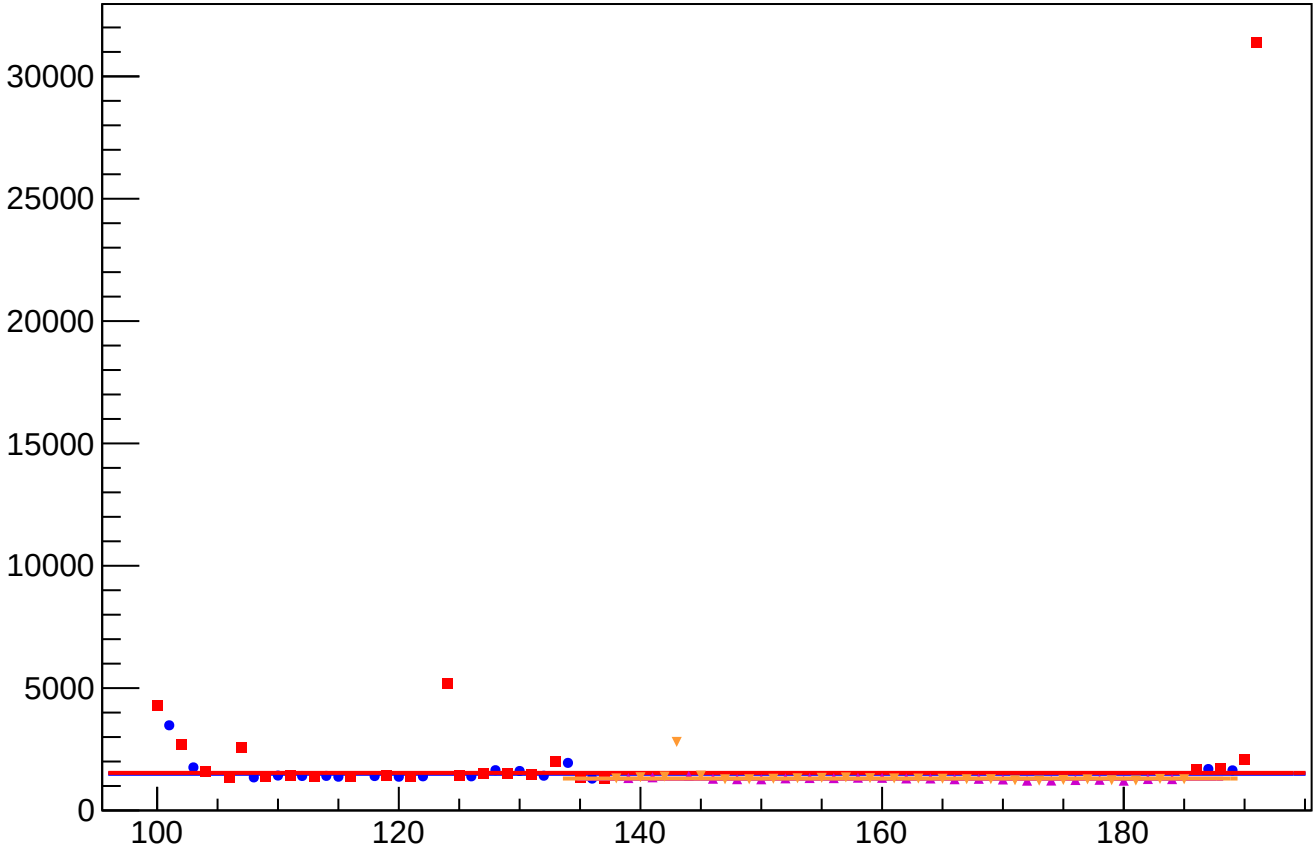
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

+ sign -398.842+/-261.337 χ^2/NDF: 44.7/42

All: 13.151+/-184.804 χ^2/NDF: 91.3/88

- sign 425.240+/-261.368 χ^2/NDF: 41.6/45

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

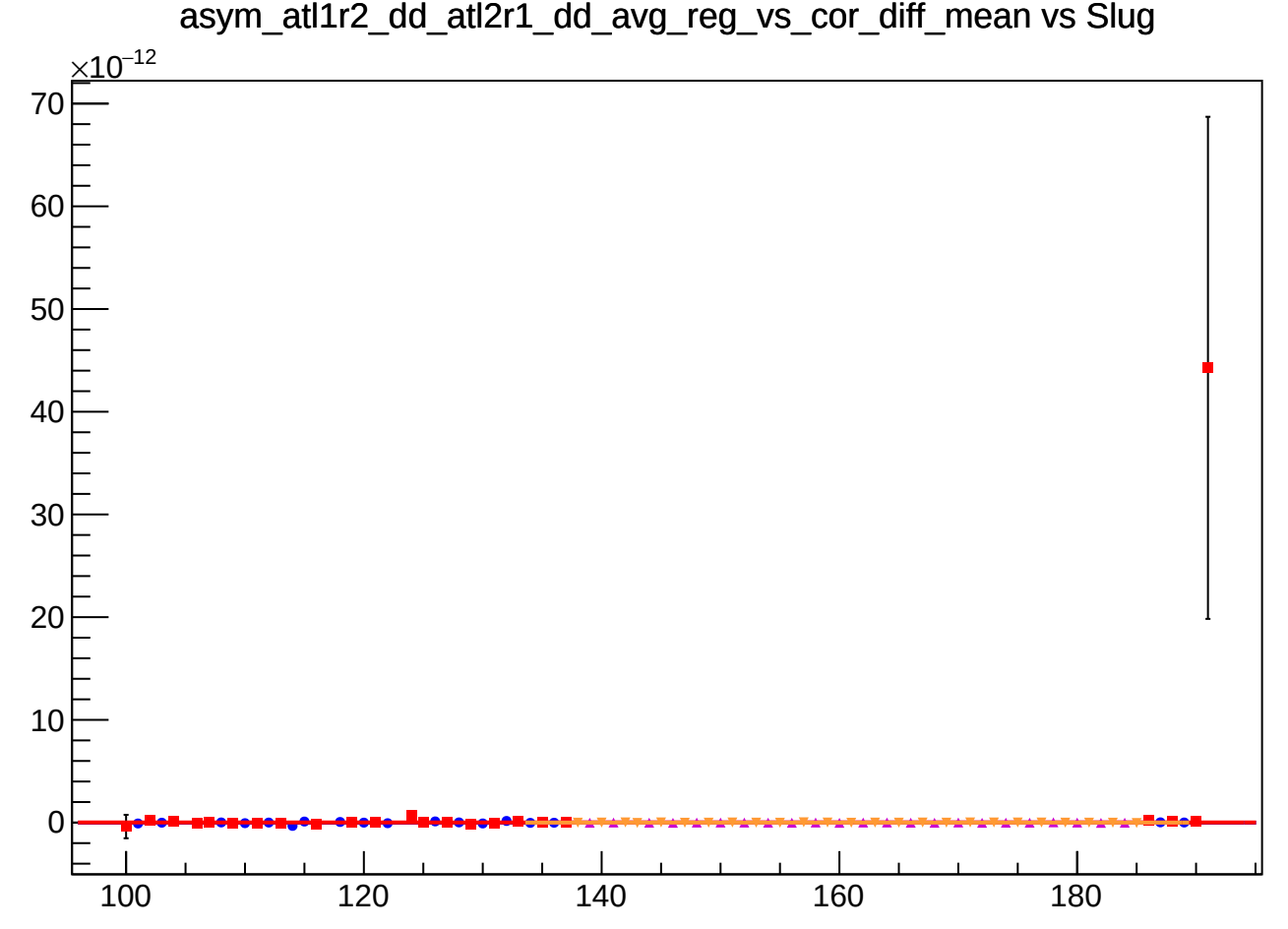
Right Out: 1535.621+/-0.369 χ^2/NDF: 854439.4/22

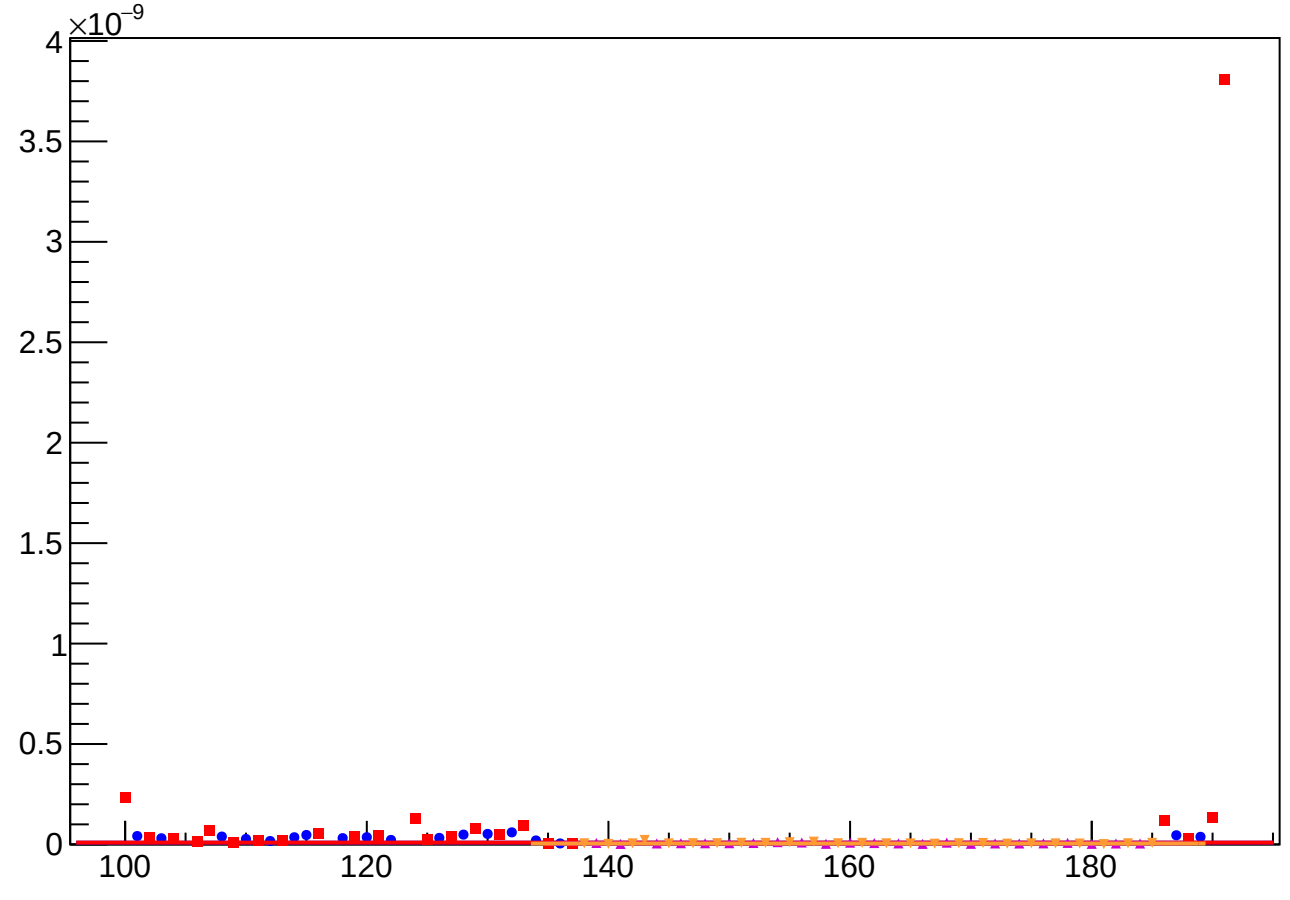
Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1349.248+/-0.185 χ^2/NDF: 1314642.7/42

All: 1351.184+/-0.131 χ^2/NDF: 2543555.9/88

- sign 1353.120+/-0.185 χ^2/NDF: 1228693.7/45


asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
70
60
50
40
30
20
10
0
100
120
140
160
180
Right In: -0.000+/-0.000 χ²/NDF: 9.6/17
Left Out: 0.000+/-0.000 χ²/NDF:24.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 29.8/22
Left In: 0.000+/-0.000 χ²/NDF:29.6/22
+ sign -0.000+/-0.000 χ²/NDF: 36.7/42
All: 0.000+/-0.000 χ²/NDF: 98.4/88
- sign 0.000+/-0.000 χ²/NDF: 61.3/45



Right In: 0.000+/-0.000 χ^2/NDF: 3338564.5/17

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

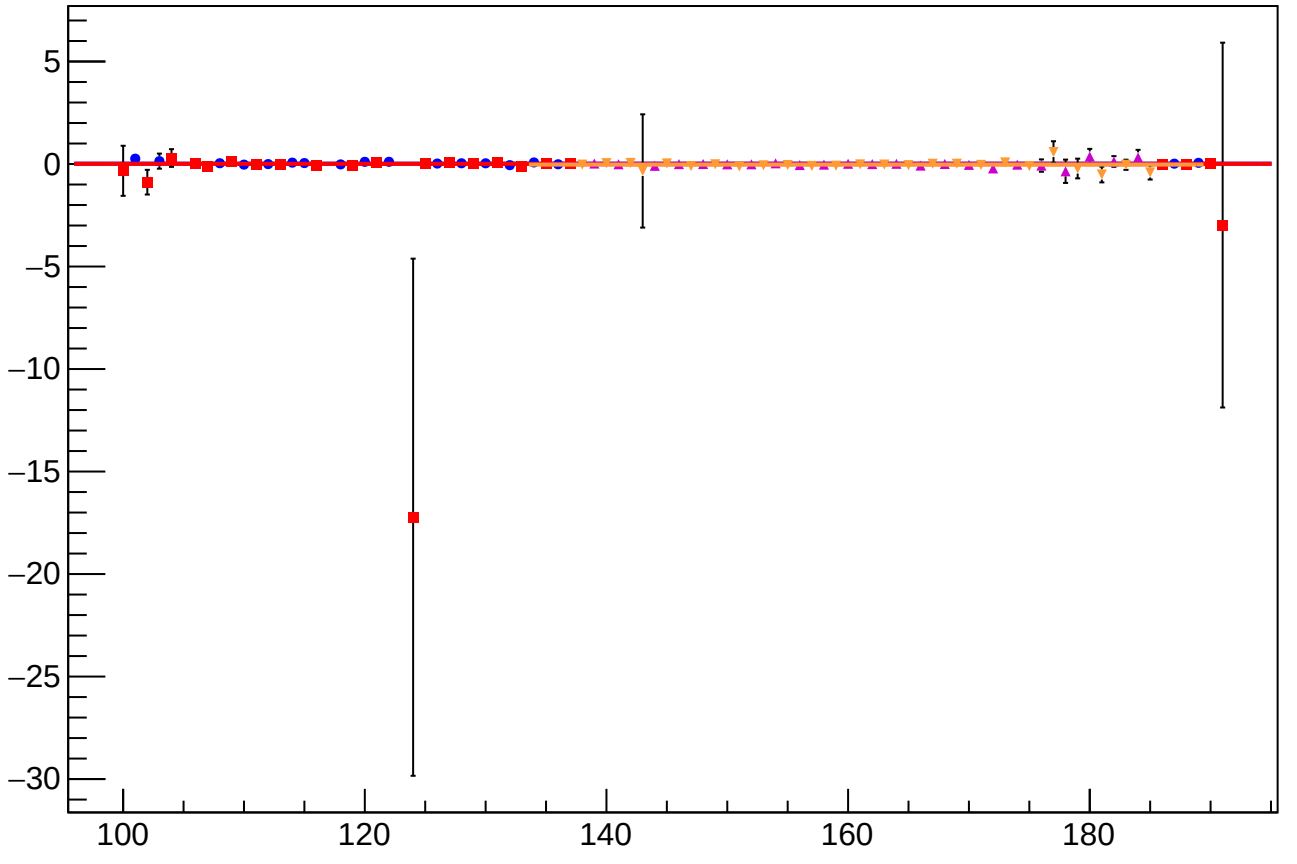
Right Out: 0.000+/-0.000 χ^2/NDF: 4368254.1/22

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: 13463630.5/88

- sign 0.000+/-0.000 χ^2/NDF: 6804951.6/45



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: 16.6/22

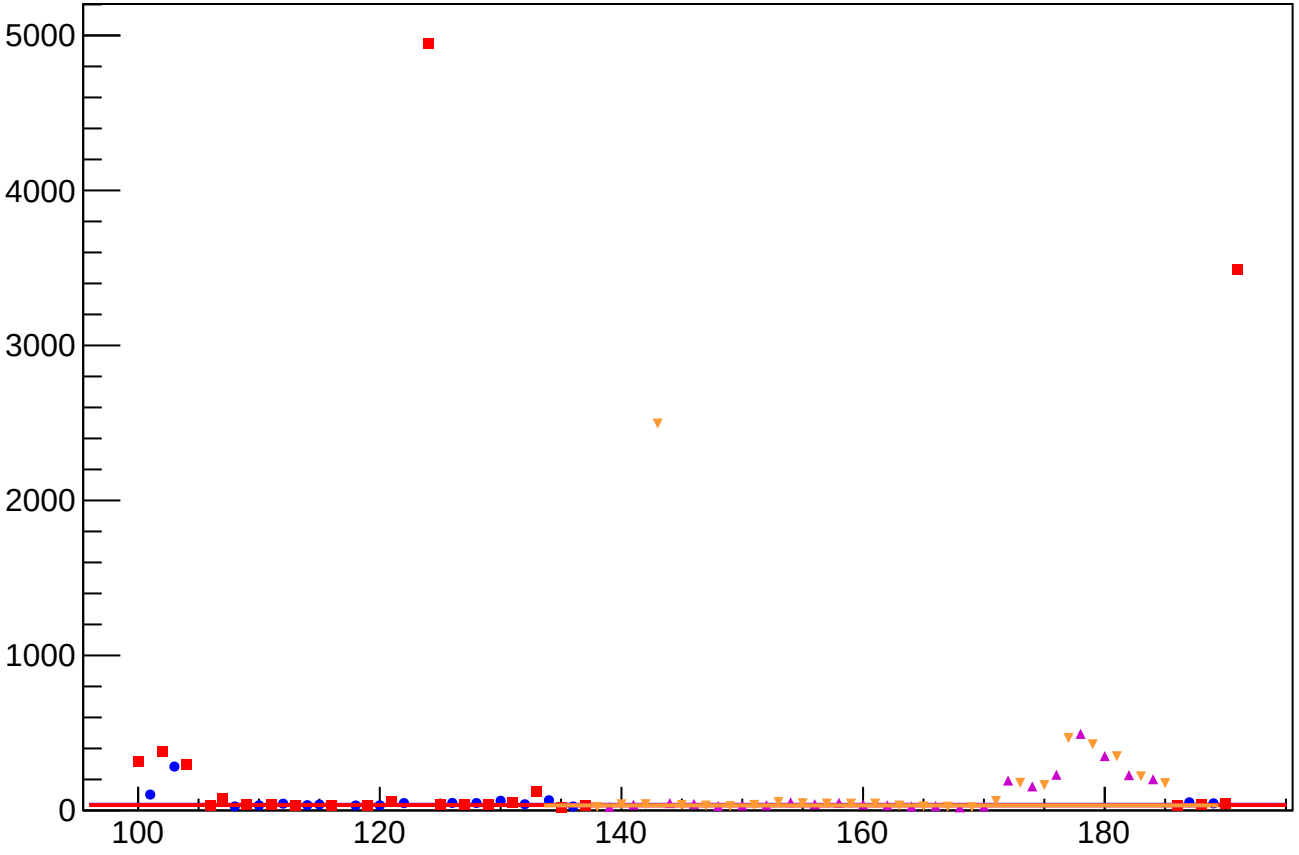
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.015+/-0.008 χ^2/NDF: 46.8/42

All: -0.009+/-0.006 χ^2/NDF: 78.8/88

- sign -0.004+/-0.008 χ^2/NDF: 31.2/45

asym_atl1r2_dd_atl2r1_dd_avg_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: 34.926+/-0.010 χ^2/NDF: 3281767.8/22

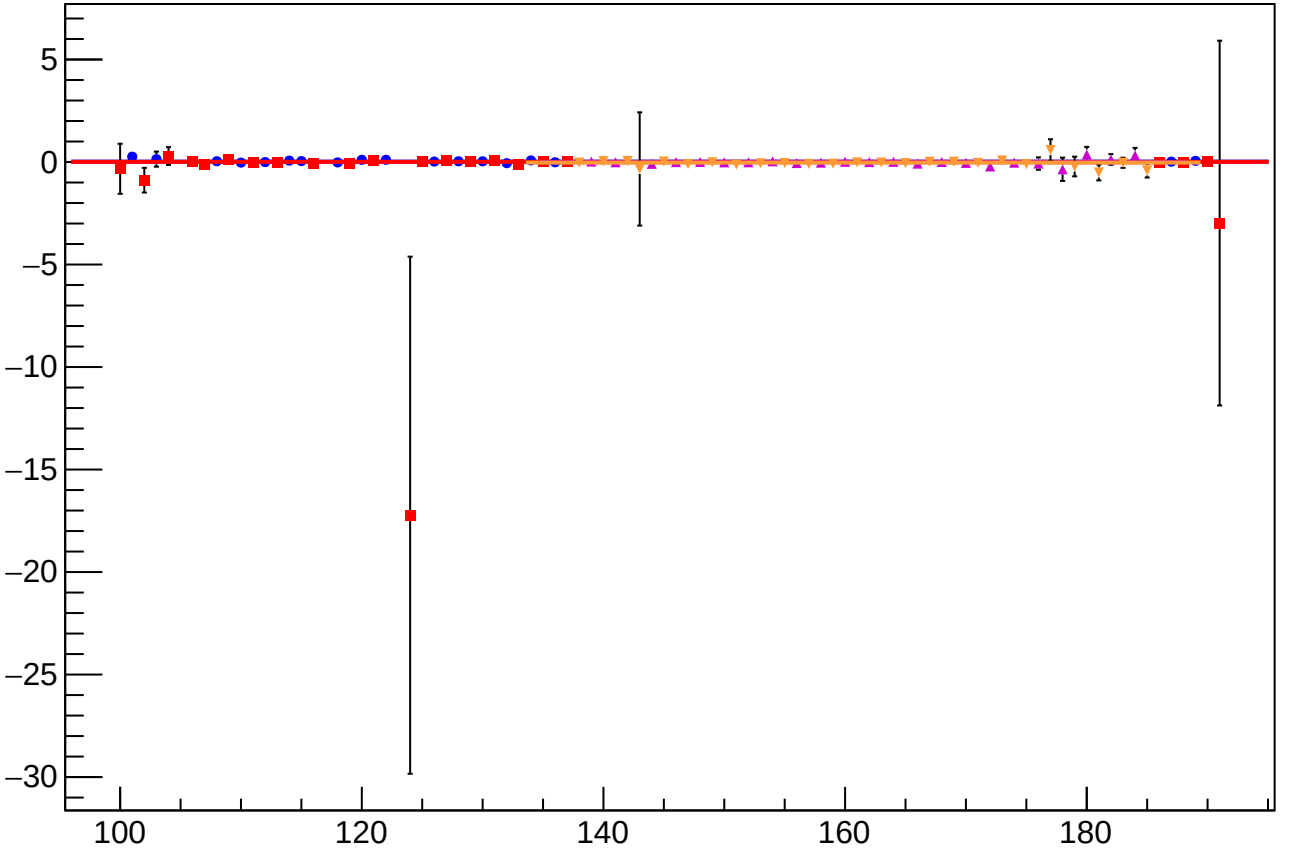
Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 33.670+/-0.006 χ^2/NDF: 13305085.7/42

All: 33.550+/-0.004 χ^2/NDF: 25584791.7/88

- sign 33.436+/-0.006 χ^2/NDF: 12278838.4/45

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.019+/-0.015 χ^2/NDF: 11.8/17

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

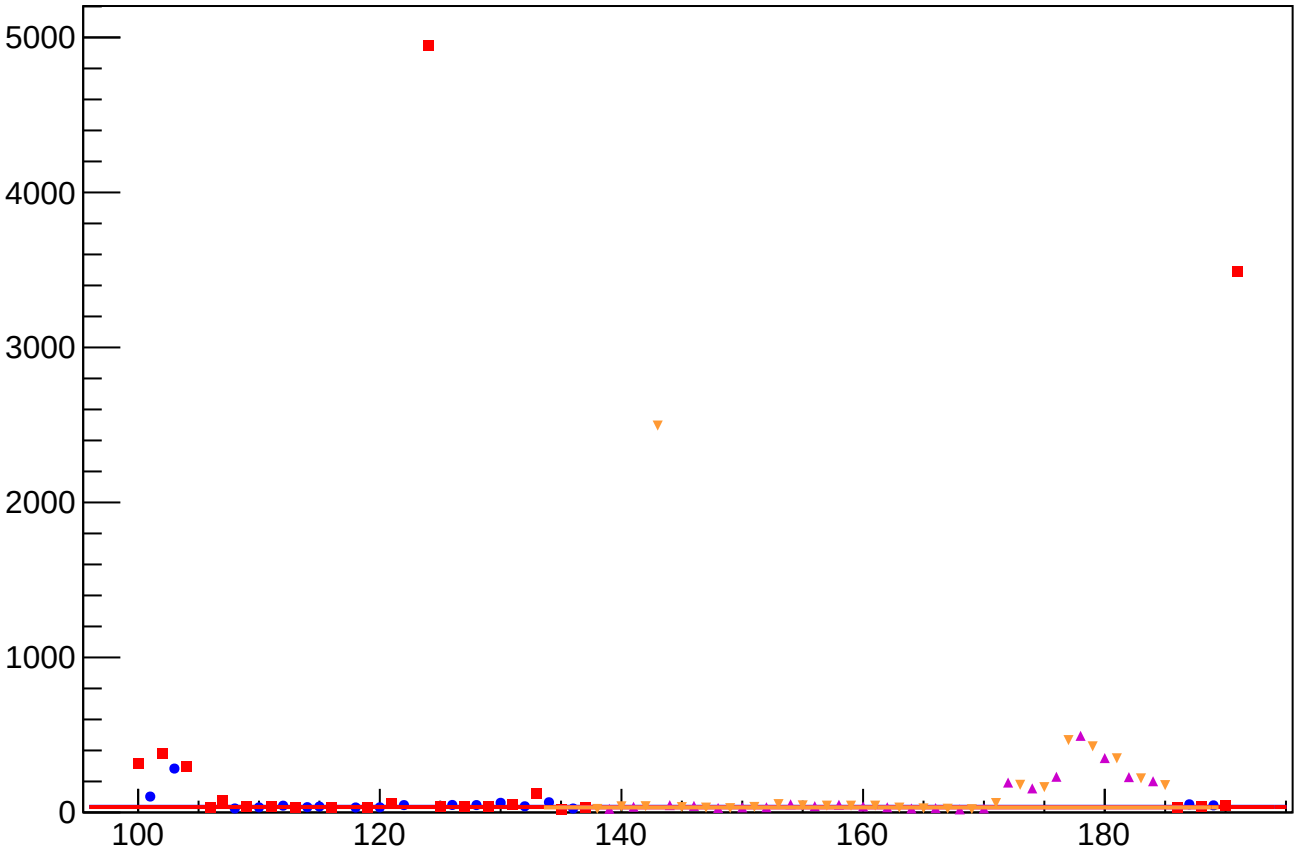
Right Out: 0.009+/-0.014 χ^2/NDF: 16.6/22

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: 78.8/88

- sign -0.004+/-0.008 χ^2/NDF: 31.2/45



Right In: 36.439+/-0.011 χ^2/NDF: 2337273.5/17

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

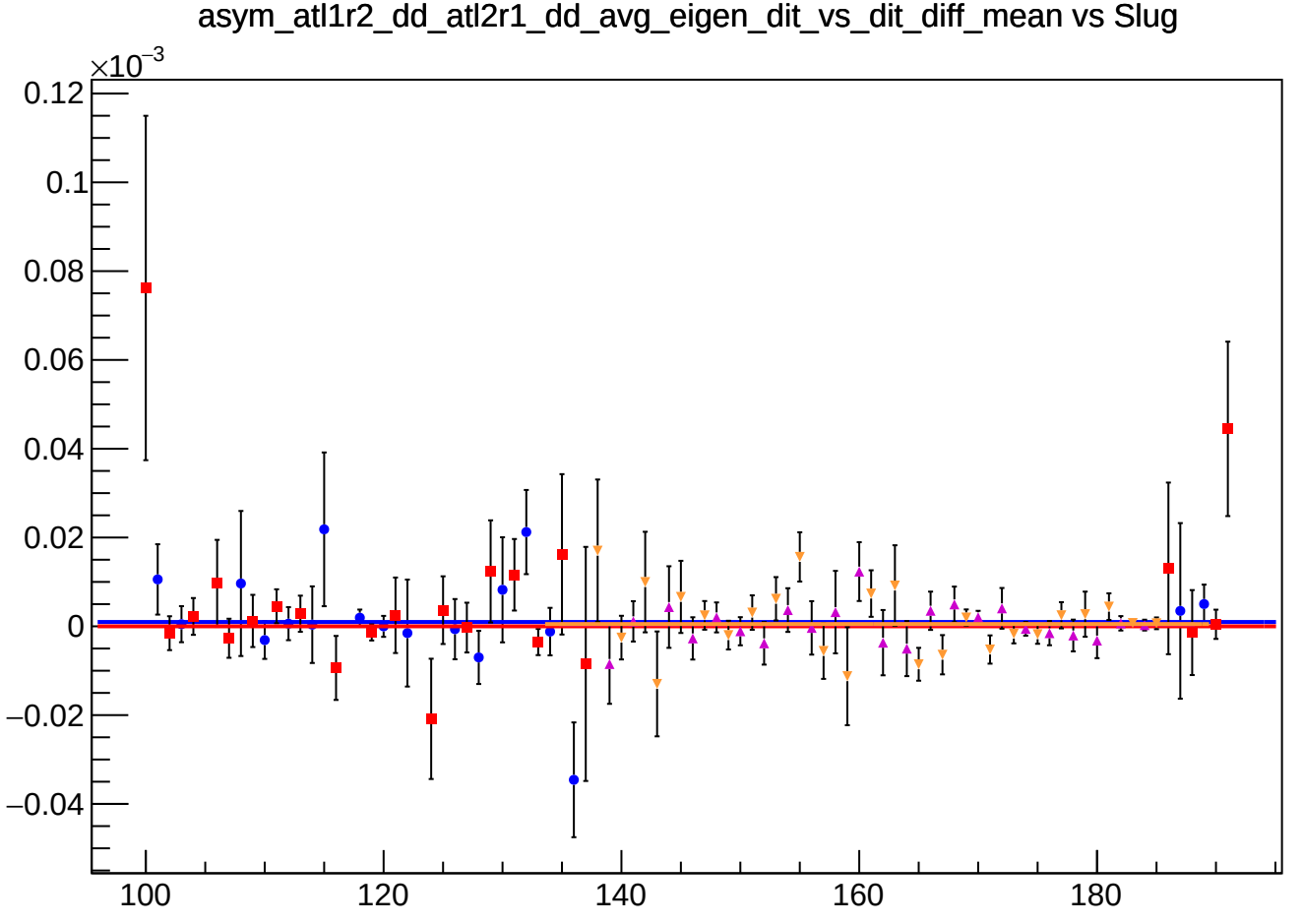
Right Out: 34.926+/-0.010 χ^2/NDF: 3281767.8/22

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 33.670+/-0.006 χ^2/NDF: 13305085.7/42

All: 33.550+/-0.004 χ^2/NDF: 25584791.7/88

- sign 33.436+/-0.006 χ^2/NDF: 12278838.4/45



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

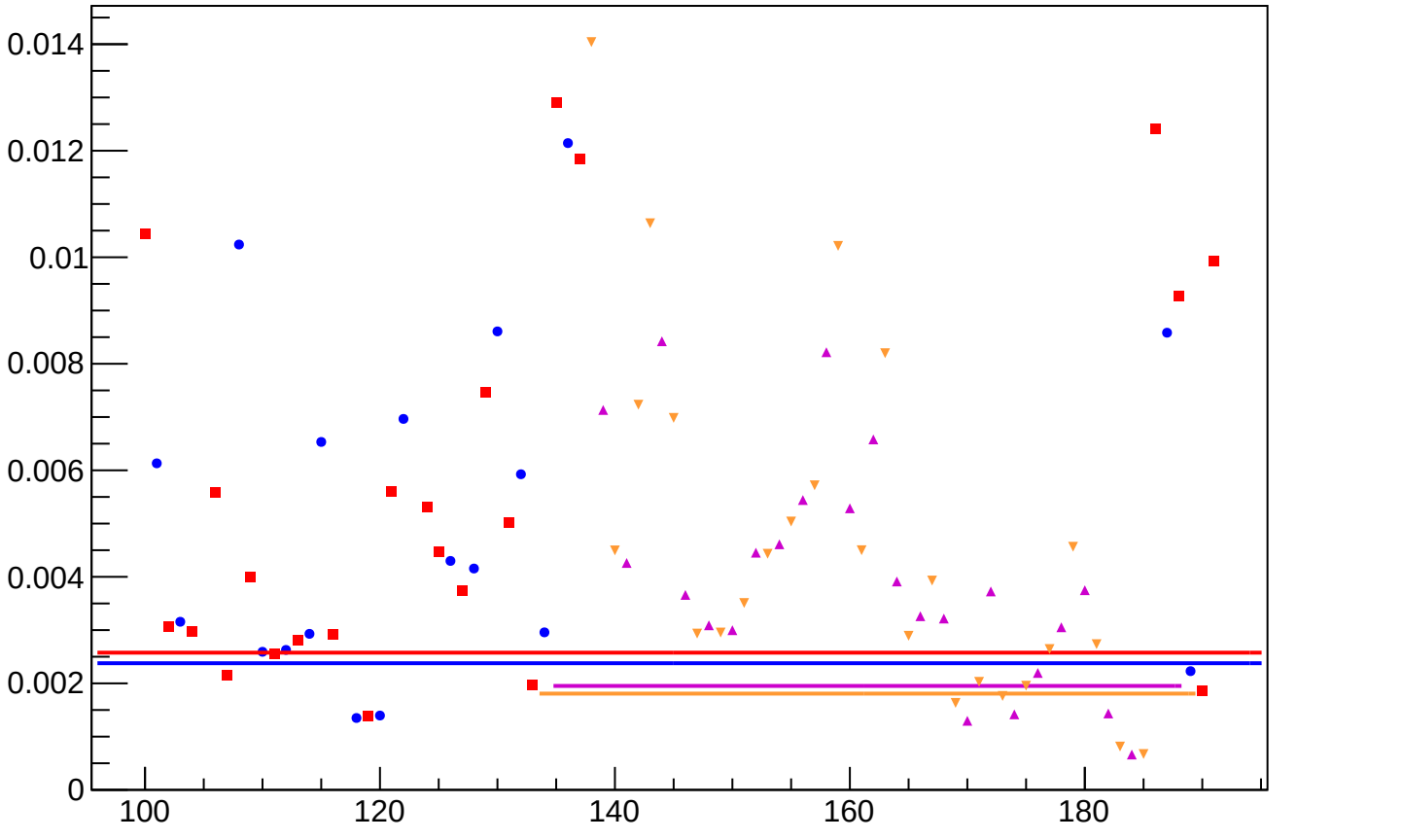
Right Out: 0.000+/-0.000 χ^2/NDF: 23.7/22

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: 93.6/88

- sign 0.000+/-0.000 χ^2/NDF: 37.6/45



Right In: 0.002+/-0.000 χ^2/NDF: 4920920.4/17

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

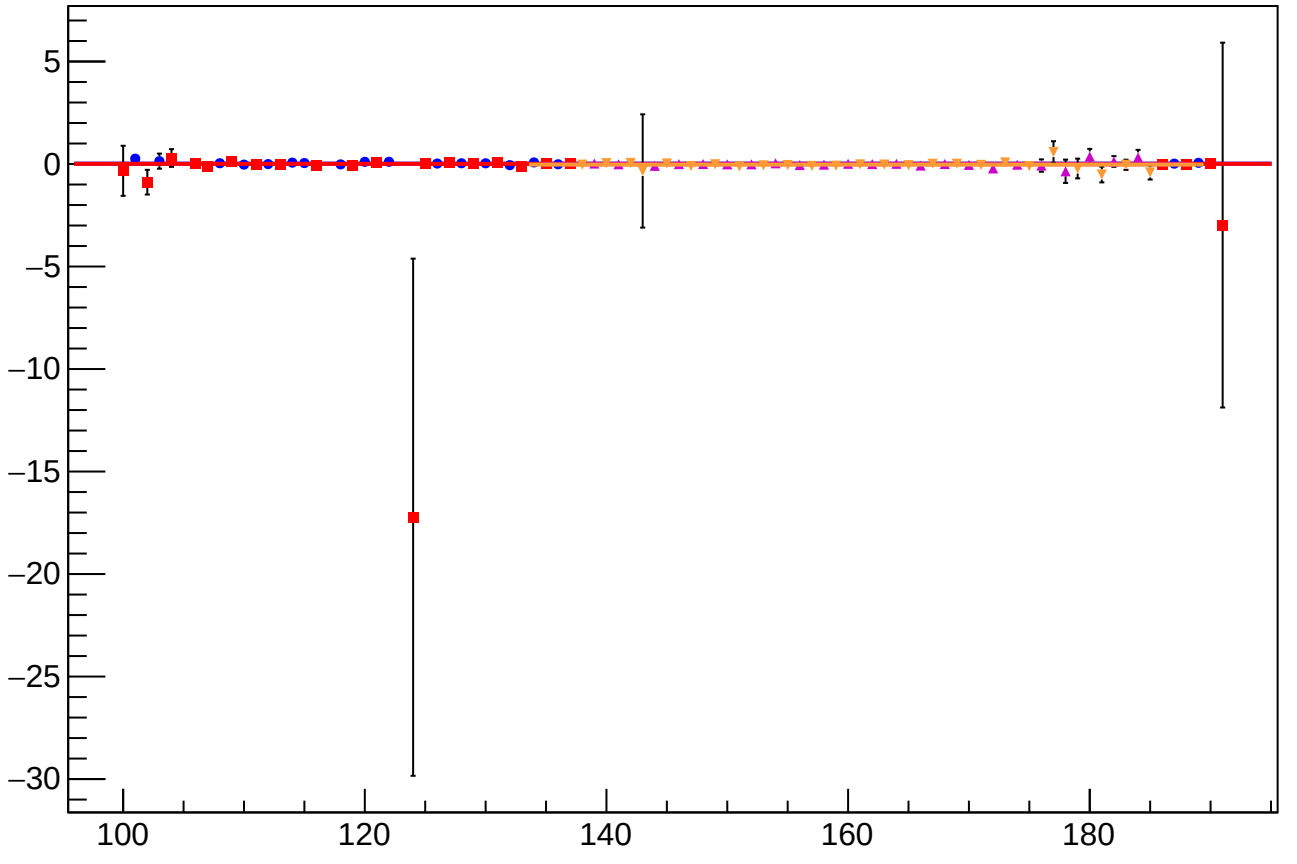
Right Out: 0.003+/-0.000 χ^2/NDF: 5274953.9/22

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 20312681.4/42

All: 0.002+/-0.000 χ^2/NDF: 37782036.3/88

- sign 0.002+/-0.000 χ^2/NDF: 17329710.3/45



Right In: 0.018+/-0.015 χ^2/NDF: 11.8/17

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

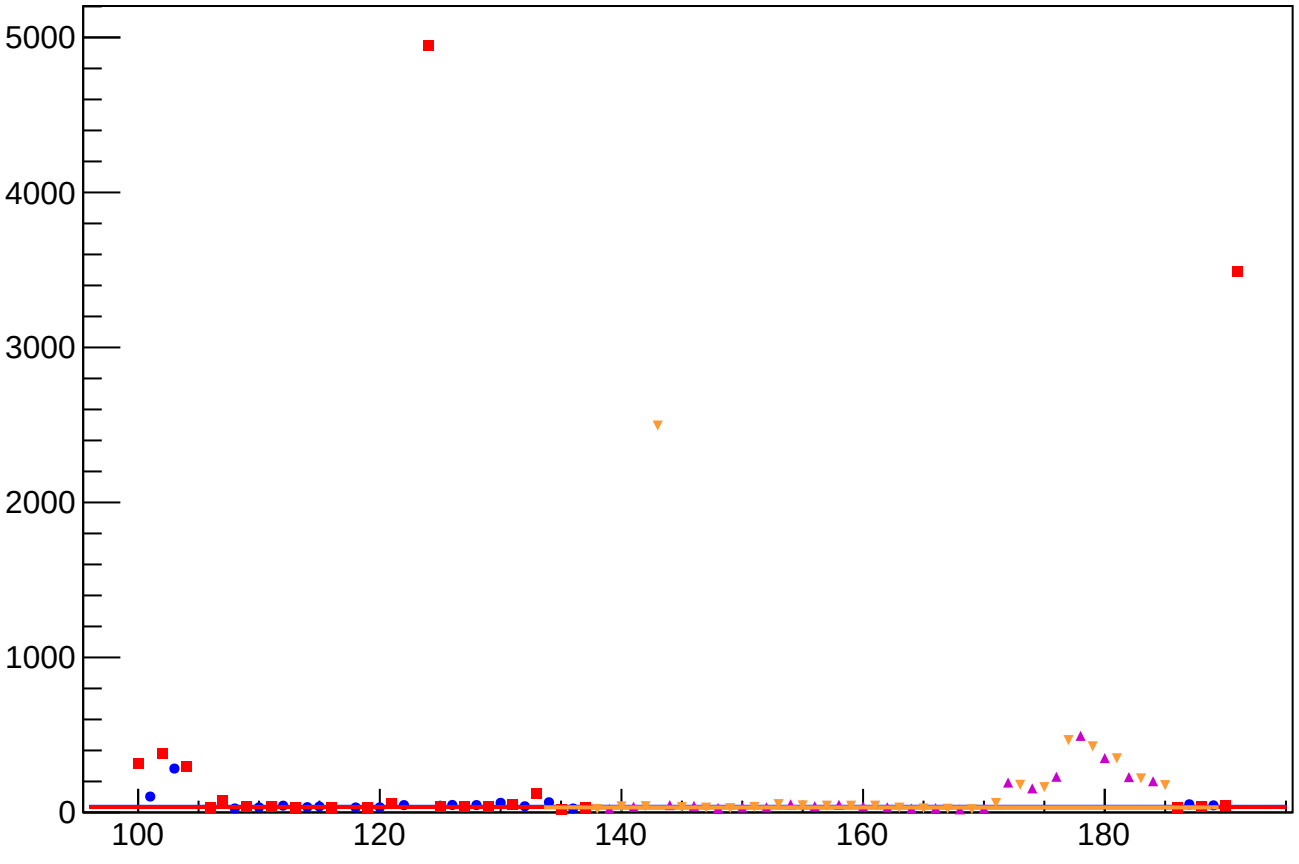
Right Out: 0.009+/-0.014 χ^2/NDF: 16.6/22

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: 78.8/88

- sign -0.004+/-0.008 χ^2/NDF: 31.2/45



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: 34.927+/-0.010 χ^2/NDF: 3281579.6/22

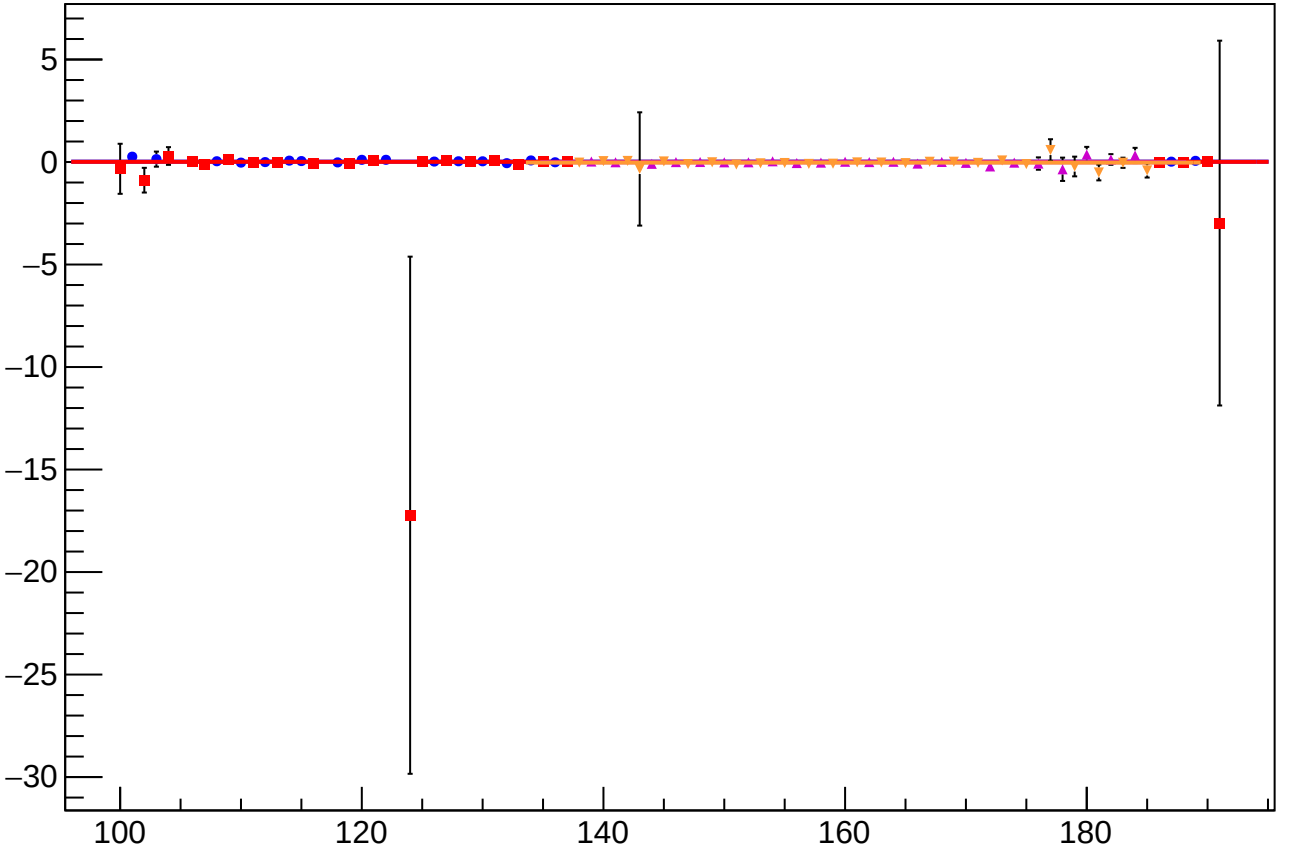
Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

\+ sign 33.670+/-0.006 χ^2/NDF: 13305123.2/42

All: 33.550+/-0.004 χ^2/NDF: 25585331.6/88

\- sign 33.435+/-0.006 χ^2/NDF: 12279333.0/45

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



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: 16.6/22

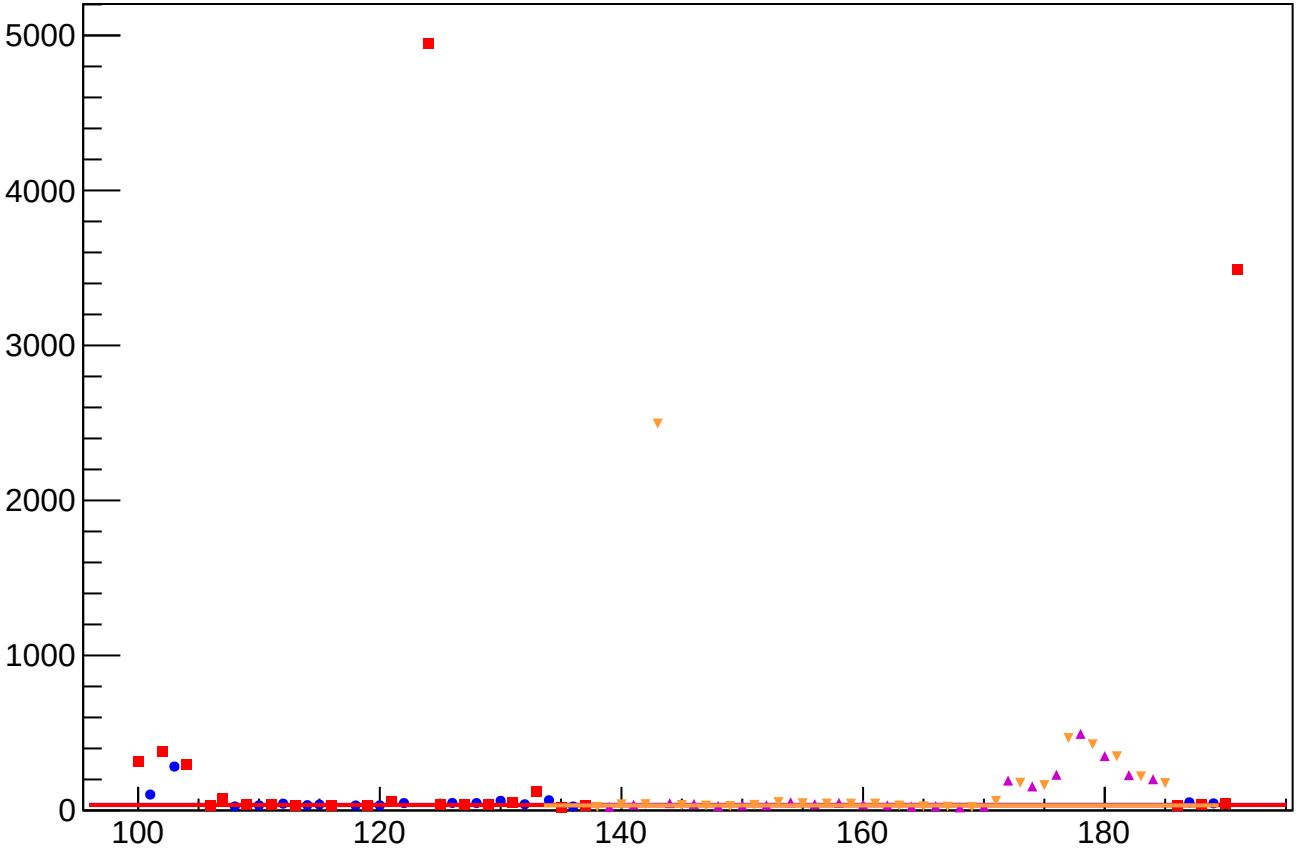
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.015+/-0.008 χ^2/NDF: 46.8/42

All: -0.009+/-0.006 χ^2/NDF: 78.8/88

- sign -0.004+/-0.008 χ^2/NDF: 31.2/45

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 36.441+/-0.011 χ^2/NDF: 2336973.1/17

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

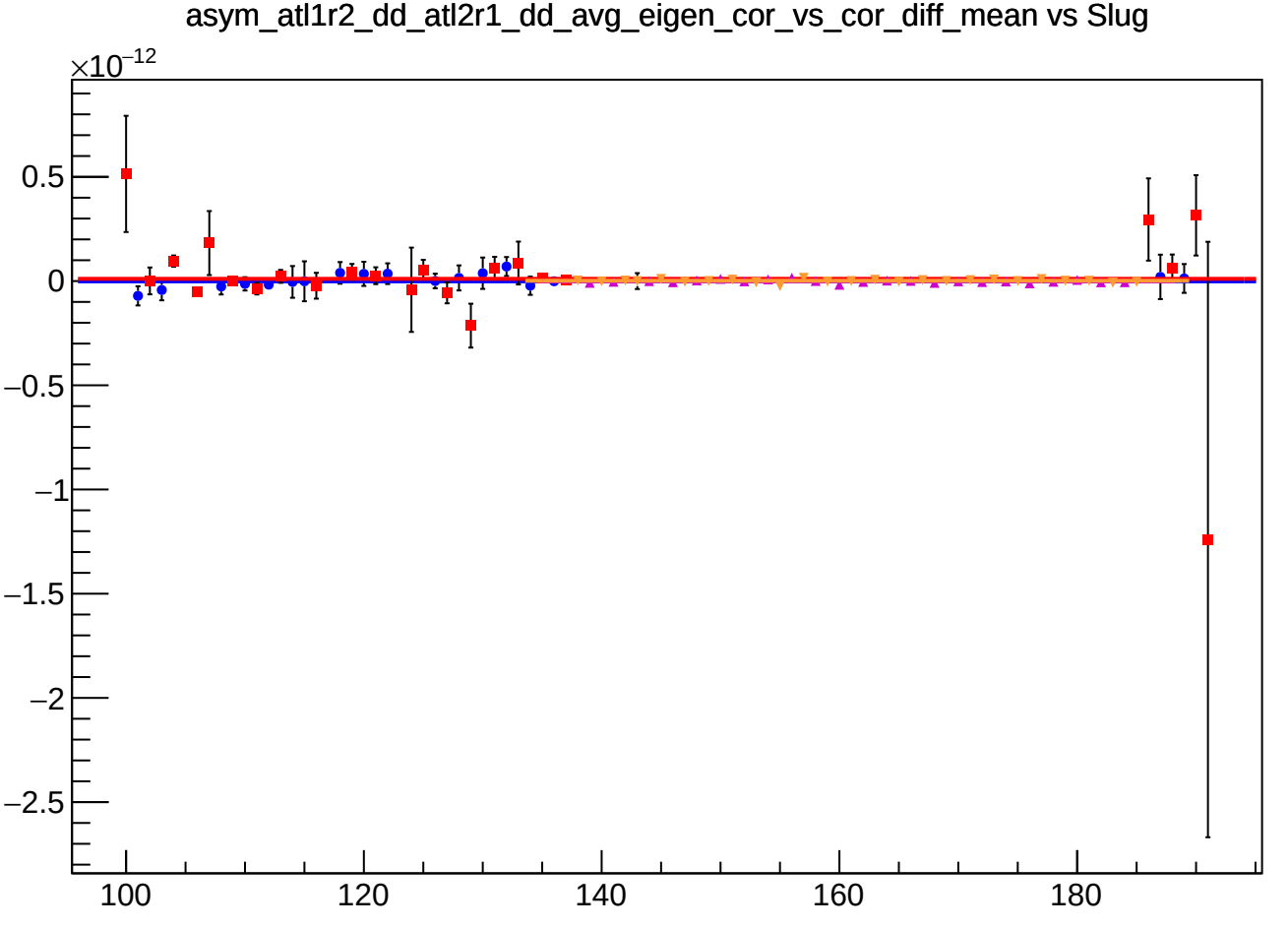
Right Out: 34.927+/-0.010 χ^2/NDF: 3281579.6/22

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 33.670+/-0.006 χ^2/NDF: 13305123.2/42

All: 33.550+/-0.004 χ^2/NDF: 25585331.6/88

- sign 33.435+/-0.006 χ^2/NDF: 12279333.0/45



Right In: -0.000+/-0.000 χ^2/NDF: 8.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

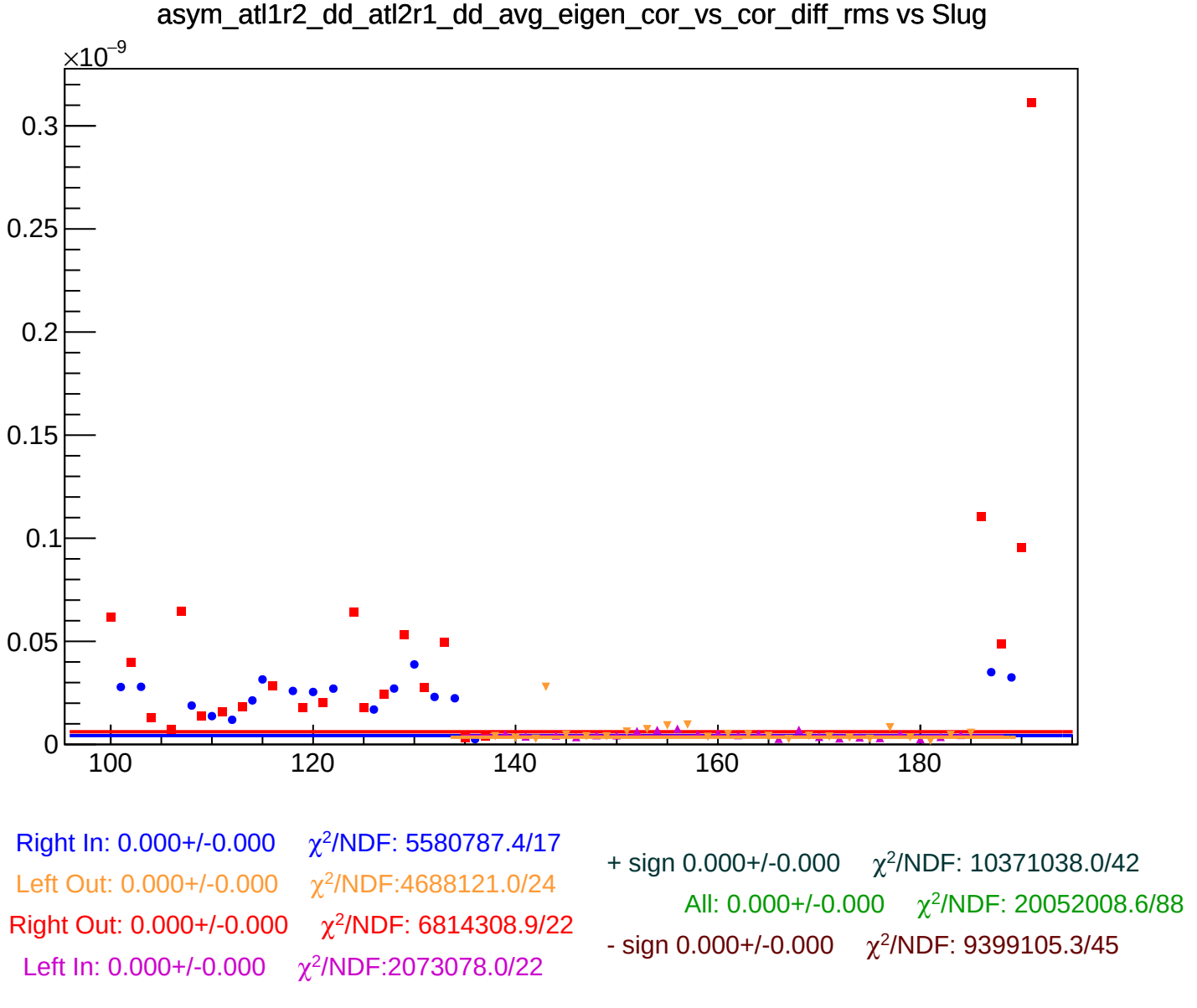
Right Out: 0.000+/-0.000 χ^2/NDF: 45.9/22

Left In: -0.000+/-0.000 χ^2/NDF:28.7/22

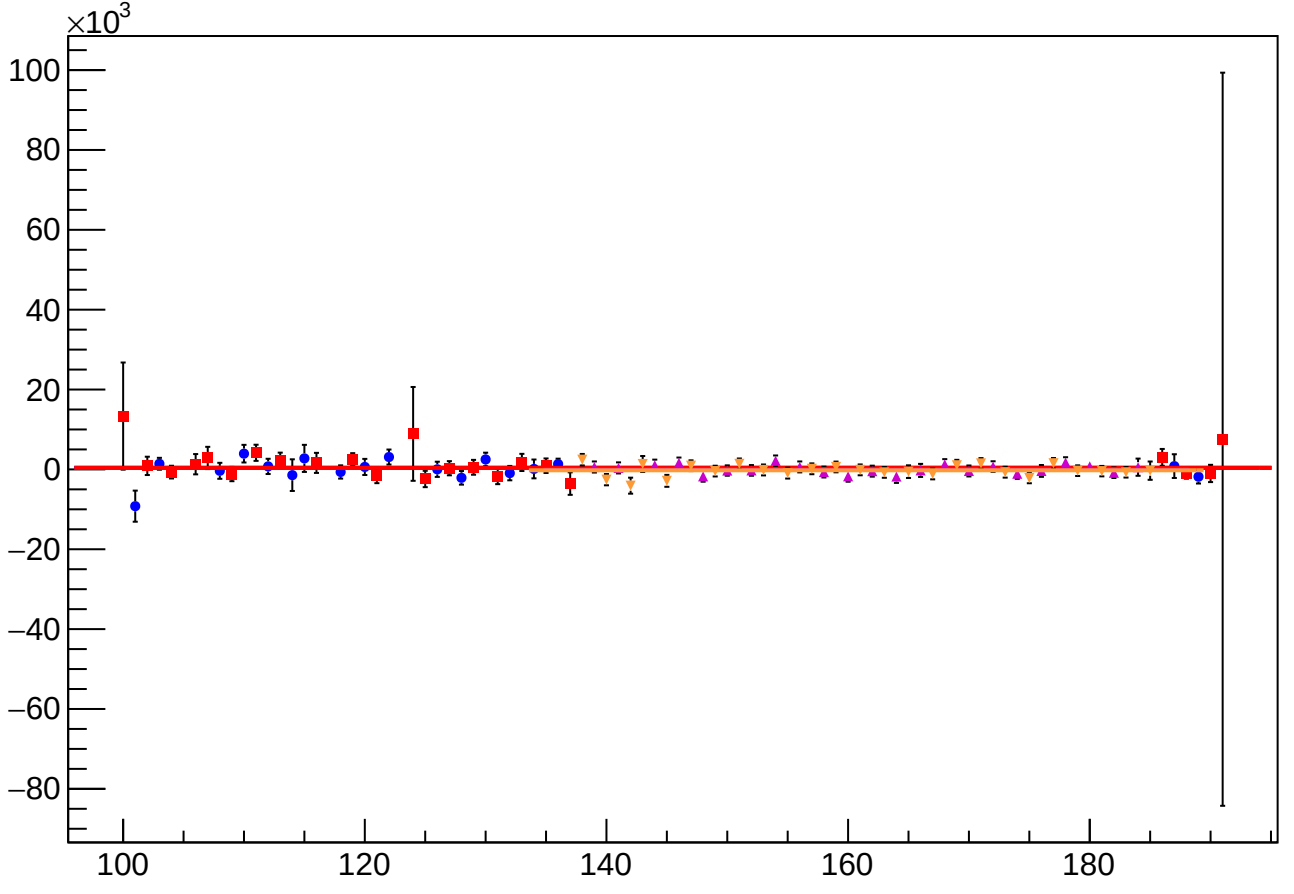
+ sign 0.000+/-0.000 χ^2/NDF: 27.4/42

All: 0.000+/-0.000 χ^2/NDF: 110.8/88

- sign -0.000+/-0.000 χ^2/NDF: 82.3/45


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−9
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
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: 6814308.9/22
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: 20052008.6/88
- sign 0.000+/-0.000 χ²/NDF: 9399105.3/45

reg_asym_at1_dd_at2_dd_avg_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: 371.874+/-433.859 χ^2/NDF: 19.9/22

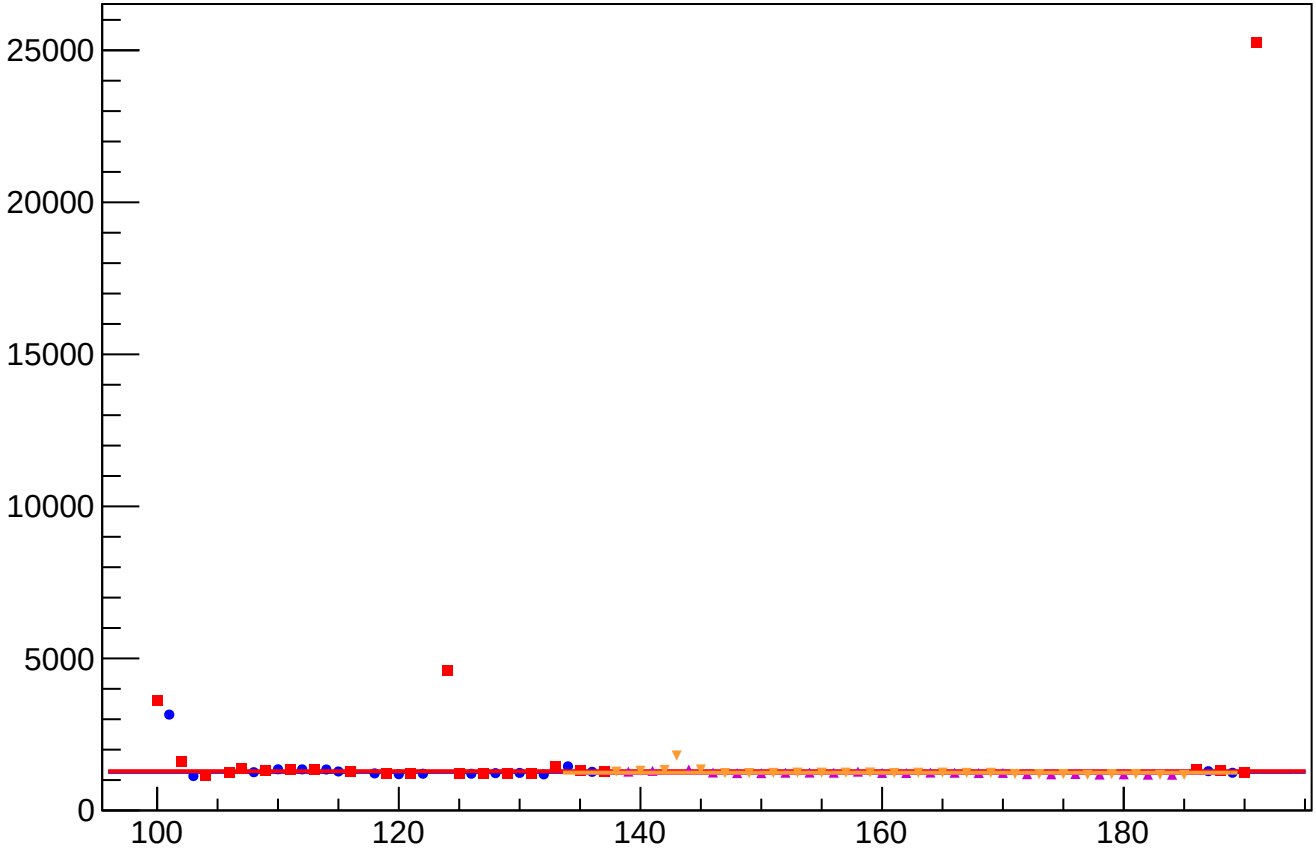
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

+ sign -44.804+/-240.866 χ^2/NDF: 44.3/42

All: 66.952+/-170.037 χ^2/NDF: 79.5/88

- sign 177.972+/-240.072 χ^2/NDF: 34.8/45

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

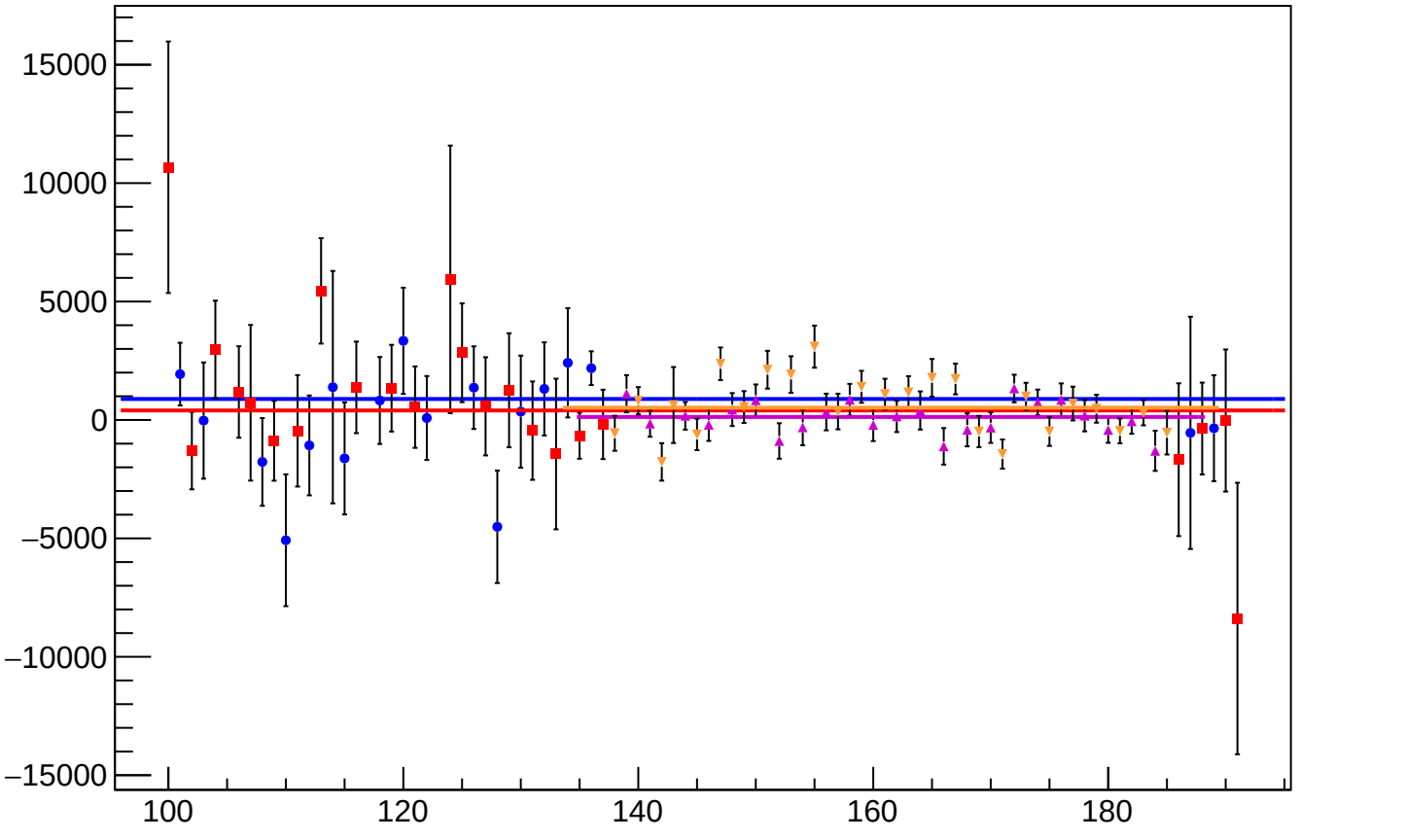
Right Out: 1289.209+/-0.307 χ^2/NDF: 466930.4/22

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1250.554+/-0.170 χ^2/NDF: 728796.8/42

All: 1250.644+/-0.120 χ^2/NDF: 1257681.1/88

- sign 1250.732+/-0.170 χ^2/NDF: 528883.8/45



Right In: 886.254+/-416.818 χ^2/NDF: 20.3/17

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

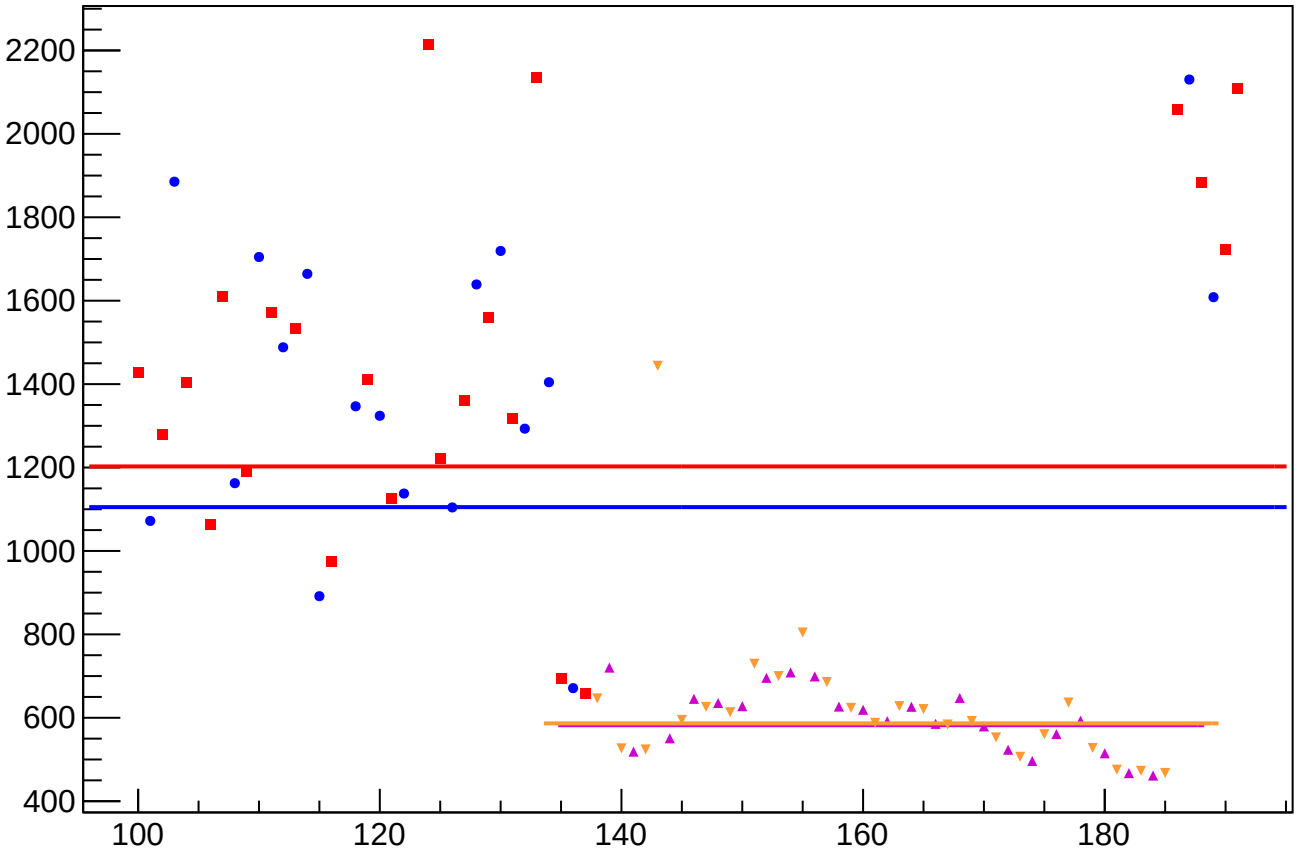
Right Out: 401.721+/-419.932 χ^2/NDF: 20.2/22

Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

+ sign 552.220+/-129.074 χ^2/NDF: 88.0/42

All: 354.827+/-91.759 χ^2/NDF: 134.9/88

- sign 153.131+/-130.473 χ^2/NDF: 42.1/45



Right In: 1105.073+/-0.295 χ^2/NDF: 1678242.2/17

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

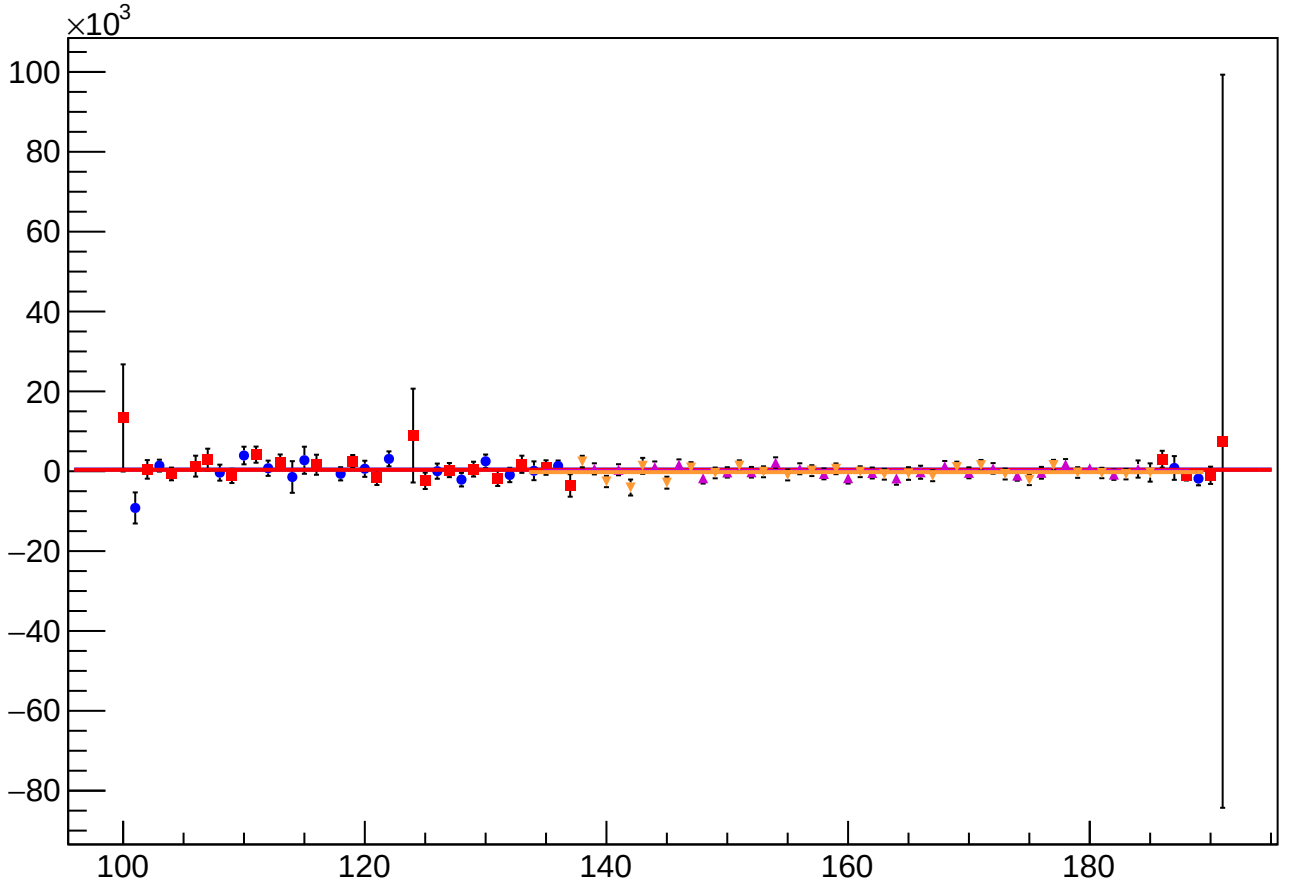
Right Out: 1202.605+/-0.297 χ^2/NDF: 1837343.8/22

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 636.279+/-0.091 χ^2/NDF: 5679367.4/42

All: 639.149+/-0.065 χ^2/NDF: 12022083.1/88

- sign 642.082+/-0.092 χ^2/NDF: 6340716.1/45



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: 354.801+/-434.460 χ^2/NDF: 19.8/22

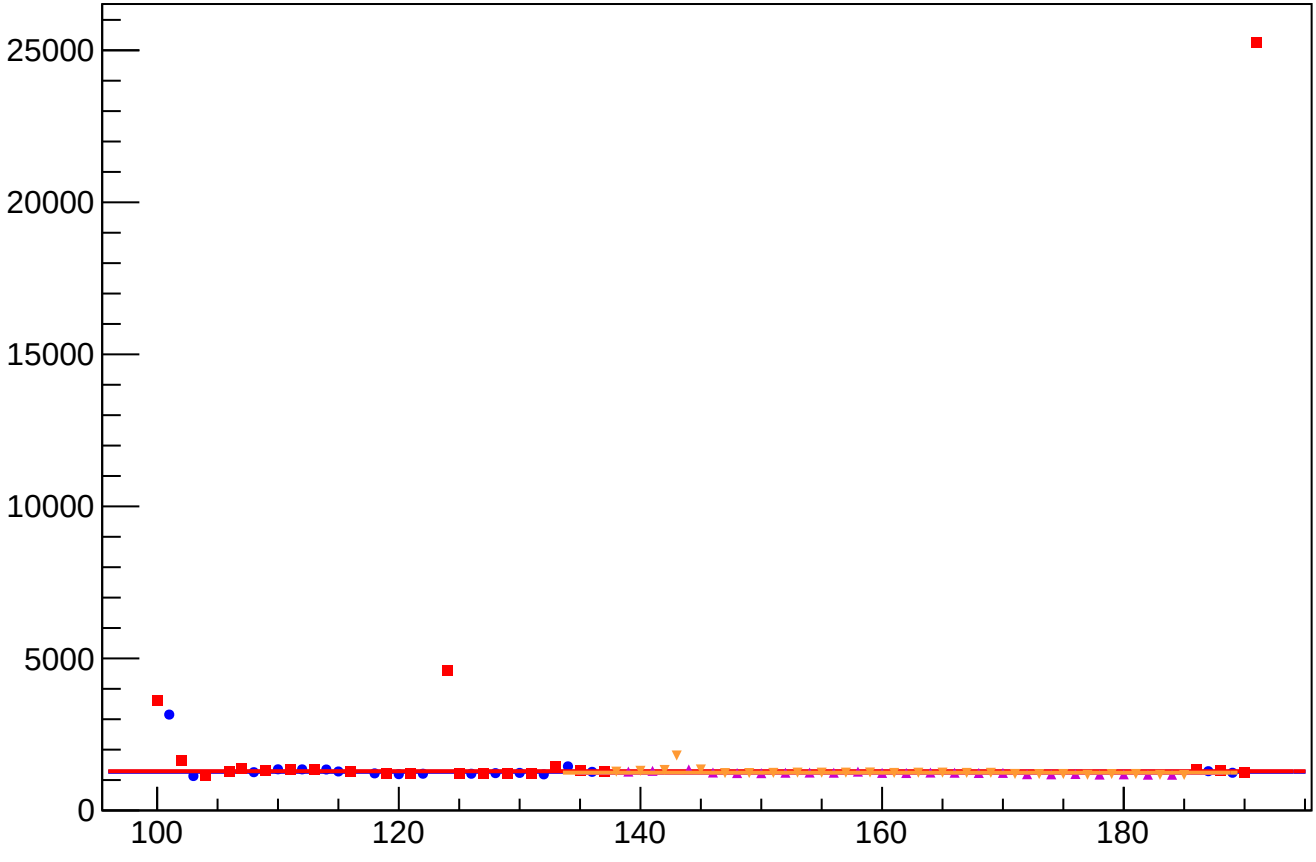
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -44.752+/-240.866 χ^2/NDF: 44.3/42

All: 64.257+/-170.073 χ^2/NDF: 79.4/88

- sign 172.639+/-240.173 χ^2/NDF: 34.7/45

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

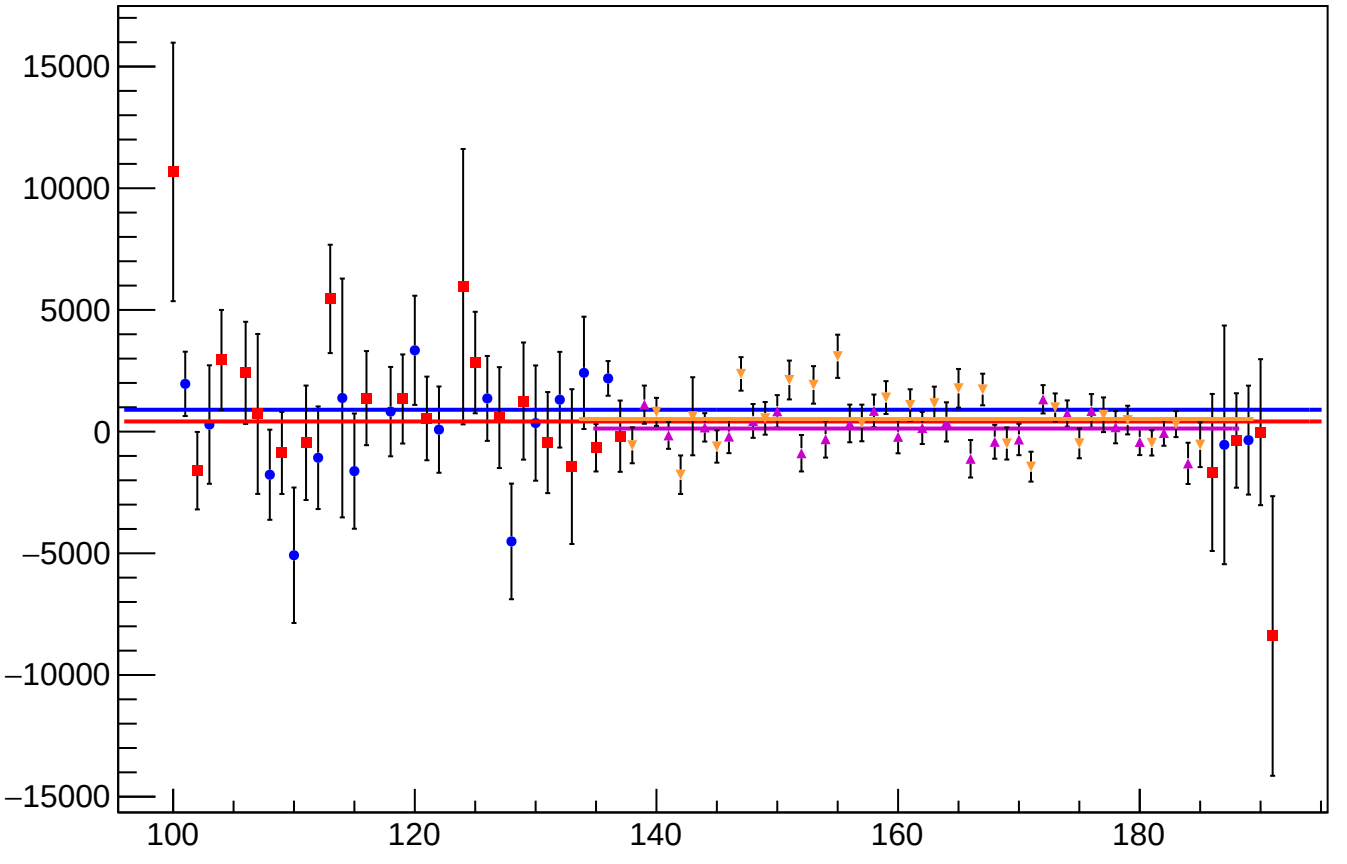
Right Out: 1291.093+/-0.307 χ^2/NDF: 473322.5/22

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1250.554+/-0.170 χ^2/NDF: 728798.1/42

All: 1250.916+/-0.120 χ^2/NDF: 1265603.1/88

- sign 1251.276+/-0.170 χ^2/NDF: 536796.0/45



Right In: 898.158+/-416.653 χ^2/NDF: 20.3/17

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

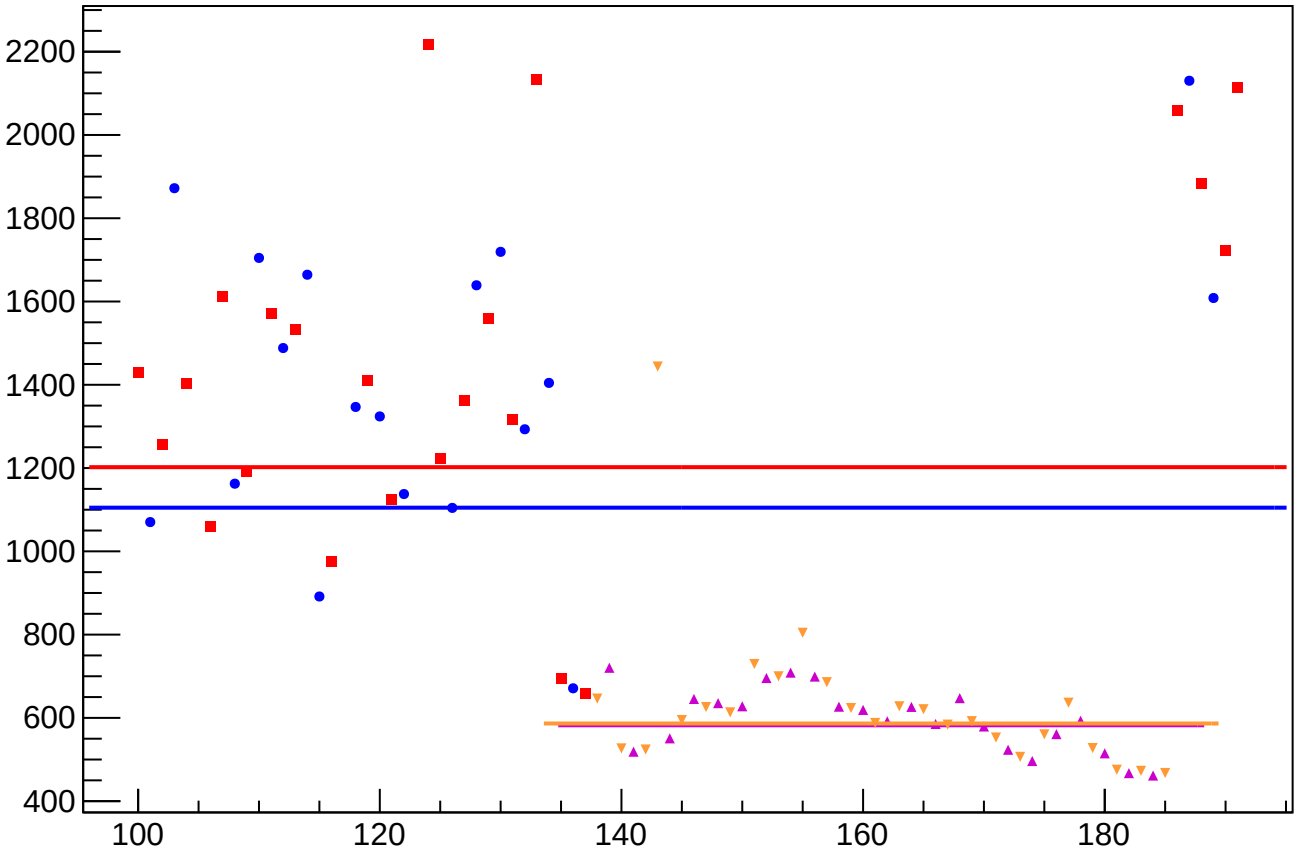
Right Out: 417.122+/-420.678 χ^2/NDF: 21.4/22

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

\+ sign 553.406+/-129.069 χ^2/NDF: 88.1/42

All: 356.148+/-91.766 χ^2/NDF: 136.2/88

\- sign 154.510+/-130.495 χ^2/NDF: 43.4/45



Right In: 1104.872+/-0.295 χ^2/NDF: 1674845.3/17

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

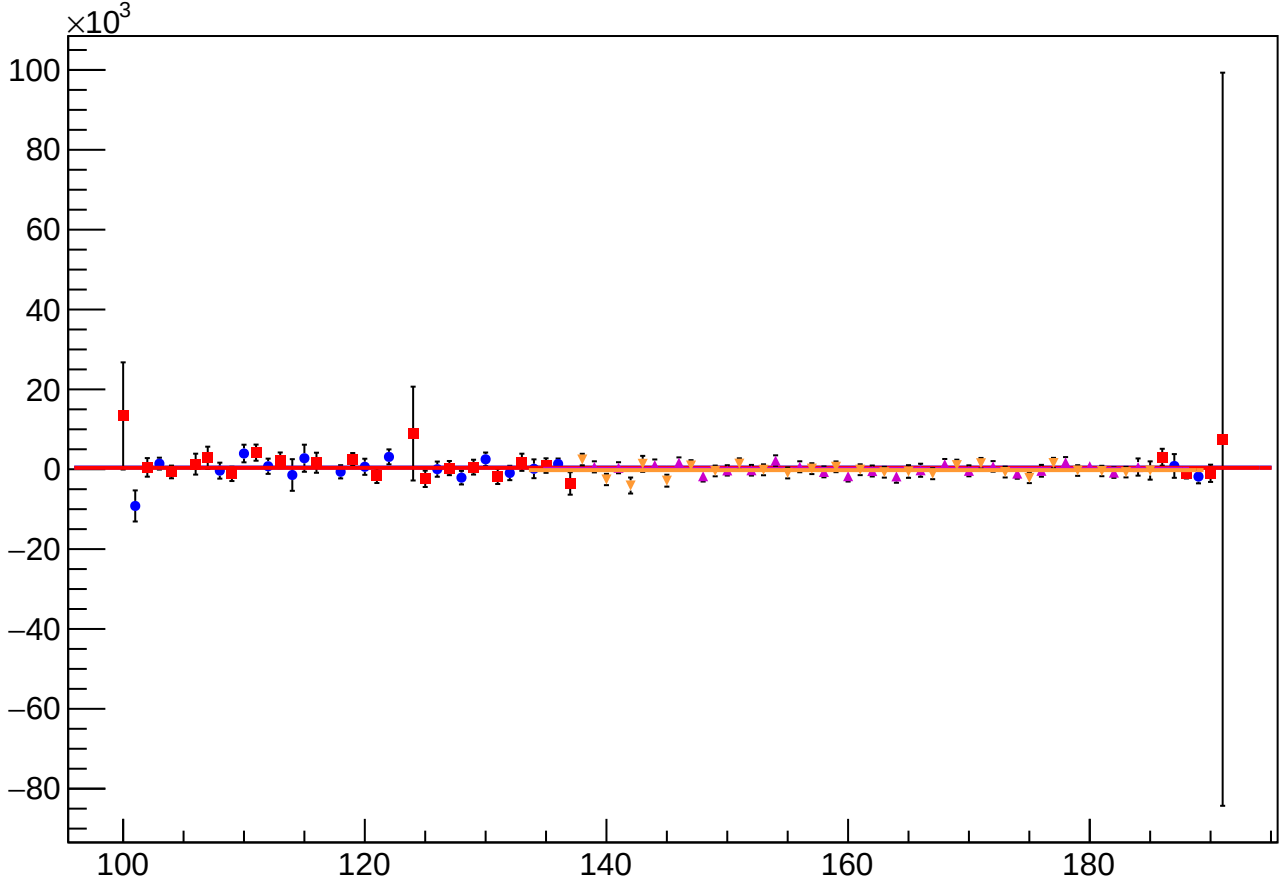
Right Out: 1202.187+/-0.297 χ^2/NDF: 1834440.2/22

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 636.300+/-0.091 χ^2/NDF: 5675667.6/42

All: 639.043+/-0.065 χ^2/NDF: 11997390.0/88

- sign 641.848+/-0.092 χ^2/NDF: 6319895.2/45



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: 354.801+/-434.460 χ^2/NDF: 19.8/22

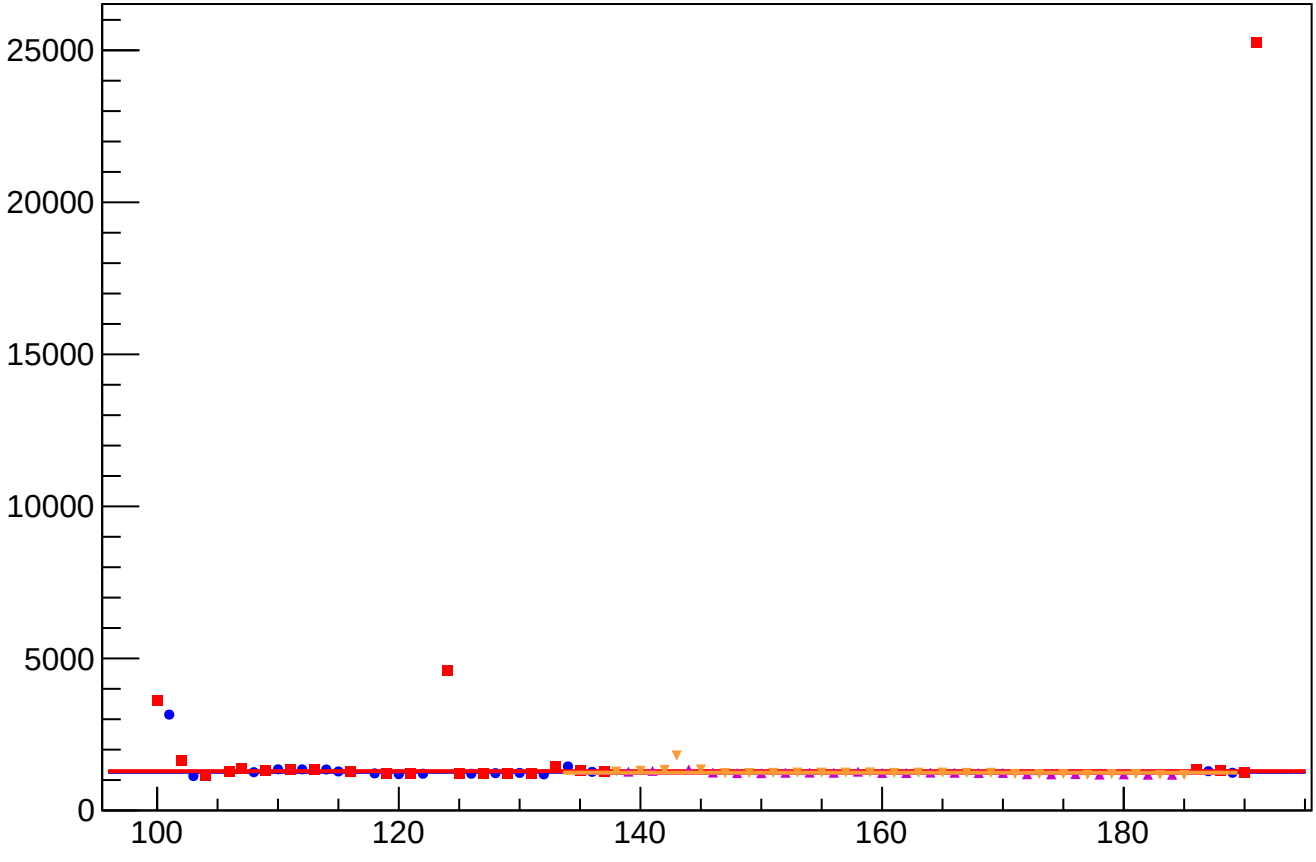
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -44.752+/-240.866 χ^2/NDF: 44.3/42

All: 64.257+/-170.073 χ^2/NDF: 79.4/88

- sign 172.639+/-240.173 χ^2/NDF: 34.7/45

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

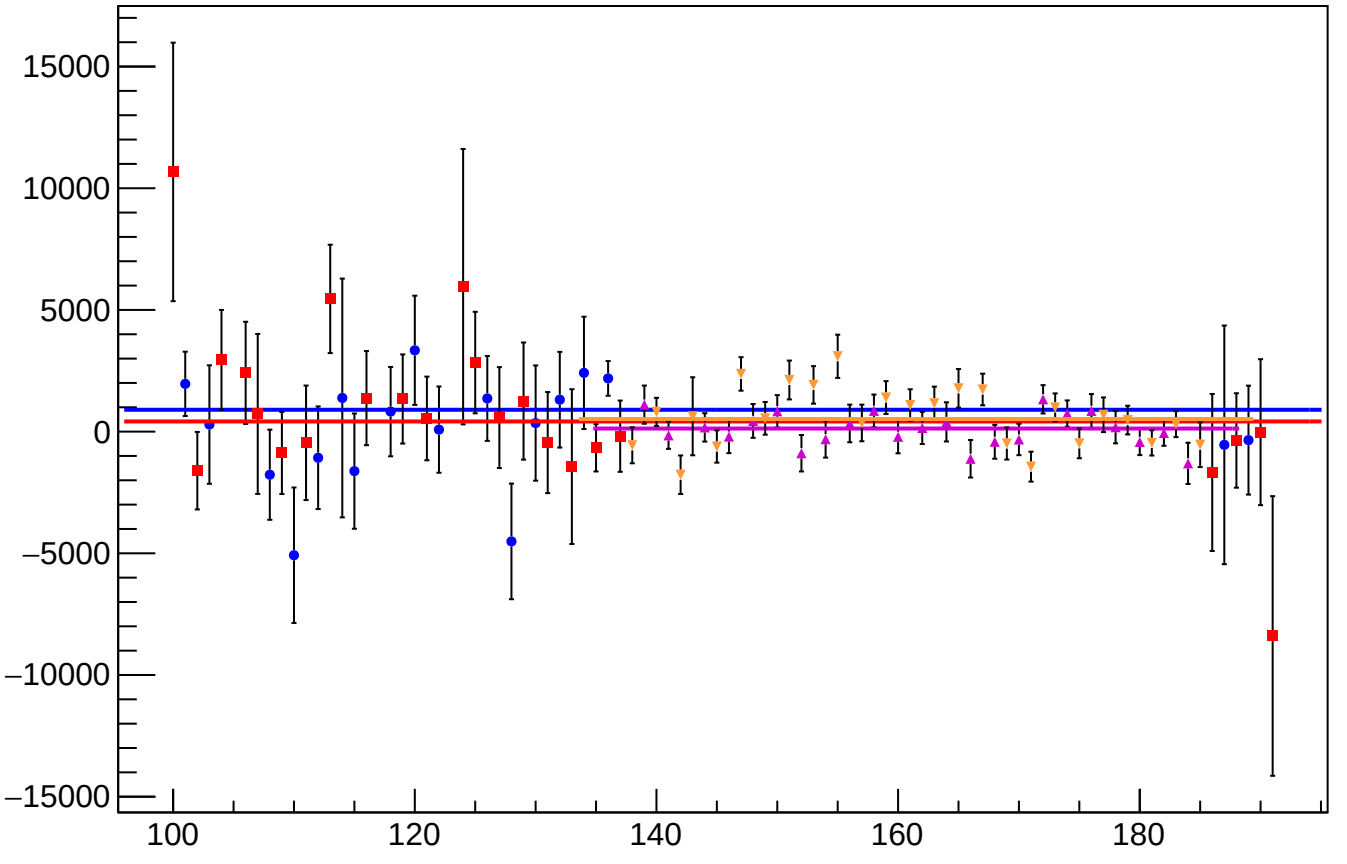
Right Out: 1291.093+/-0.307 χ^2/NDF: 473322.5/22

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1250.554+/-0.170 χ^2/NDF: 728798.1/42

All: 1250.916+/-0.120 χ^2/NDF: 1265603.1/88

- sign 1251.276+/-0.170 χ^2/NDF: 536796.0/45



Right In: 898.158+/-416.653 χ^2/NDF: 20.3/17

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

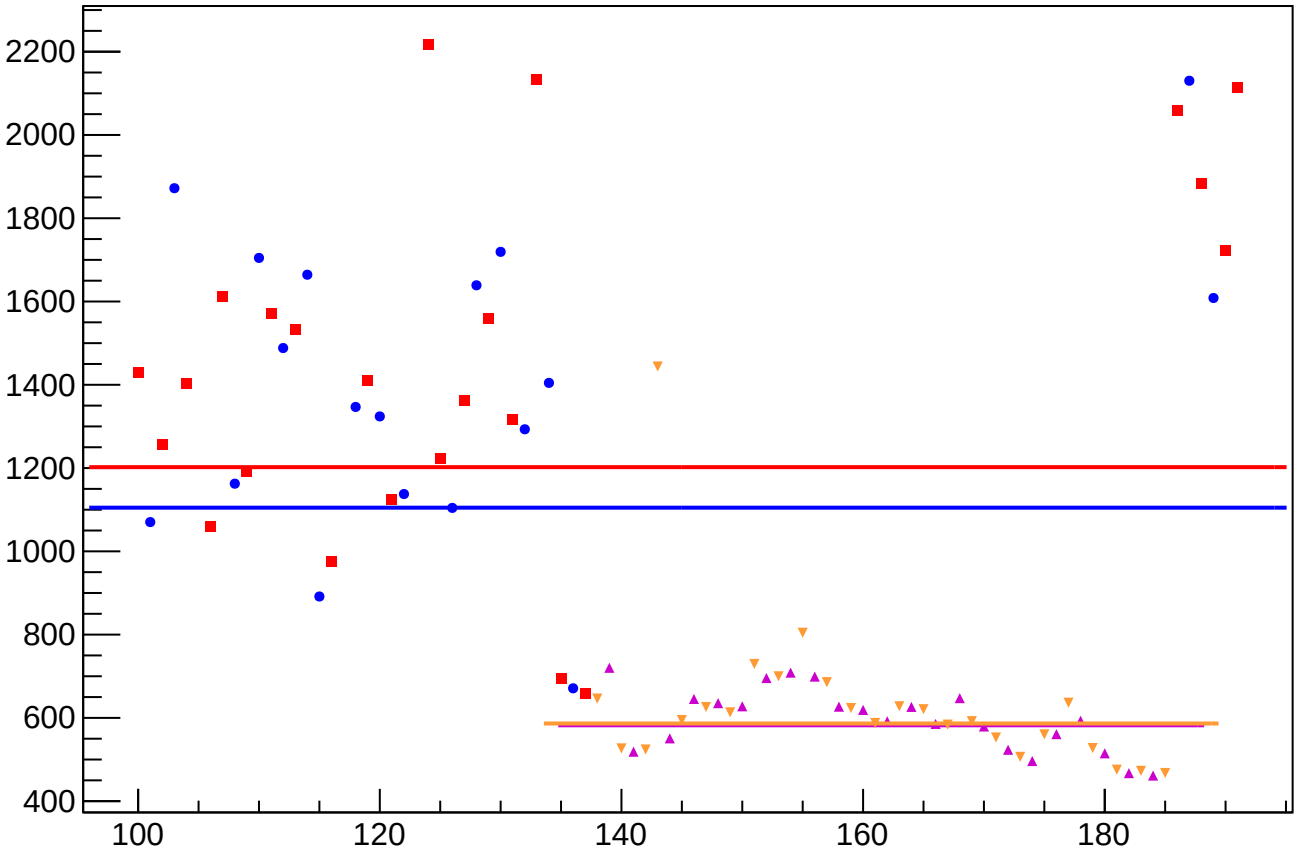
Right Out: 417.122+/-420.678 χ^2/NDF: 21.4/22

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 553.406+/-129.069 χ^2/NDF: 88.1/42

All: 356.148+/-91.766 χ^2/NDF: 136.2/88

- sign 154.510+/-130.495 χ^2/NDF: 43.4/45



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: 1202.187+/-0.297 χ^2/NDF: 1834440.2/22

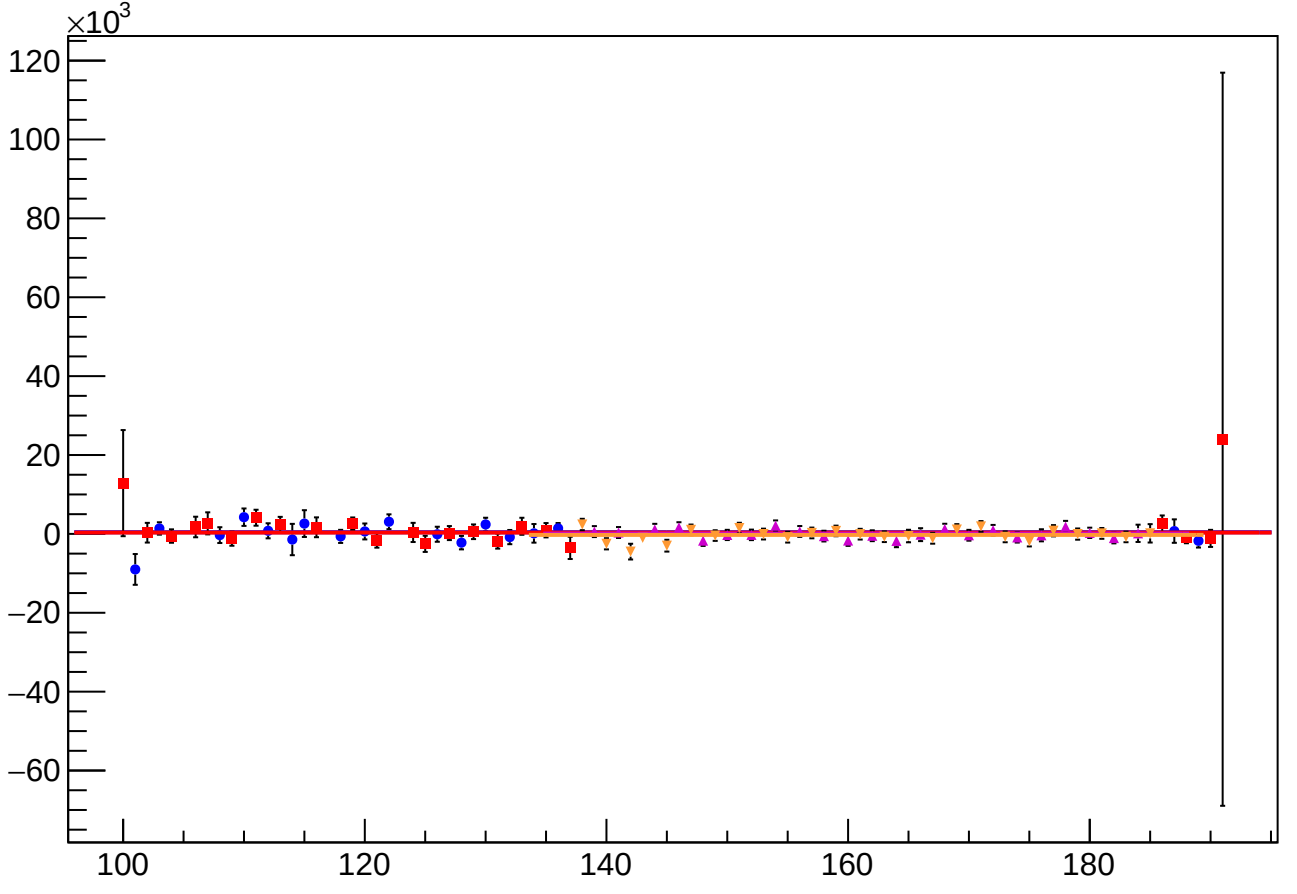
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 636.300+/-0.091 χ^2/NDF: 5675667.6/42

All: 639.043+/-0.065 χ^2/NDF: 11997390.0/88

- sign 641.848+/-0.092 χ^2/NDF: 6319895.2/45

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: 338.070+/-431.294 χ^2/NDF: 19.4/22

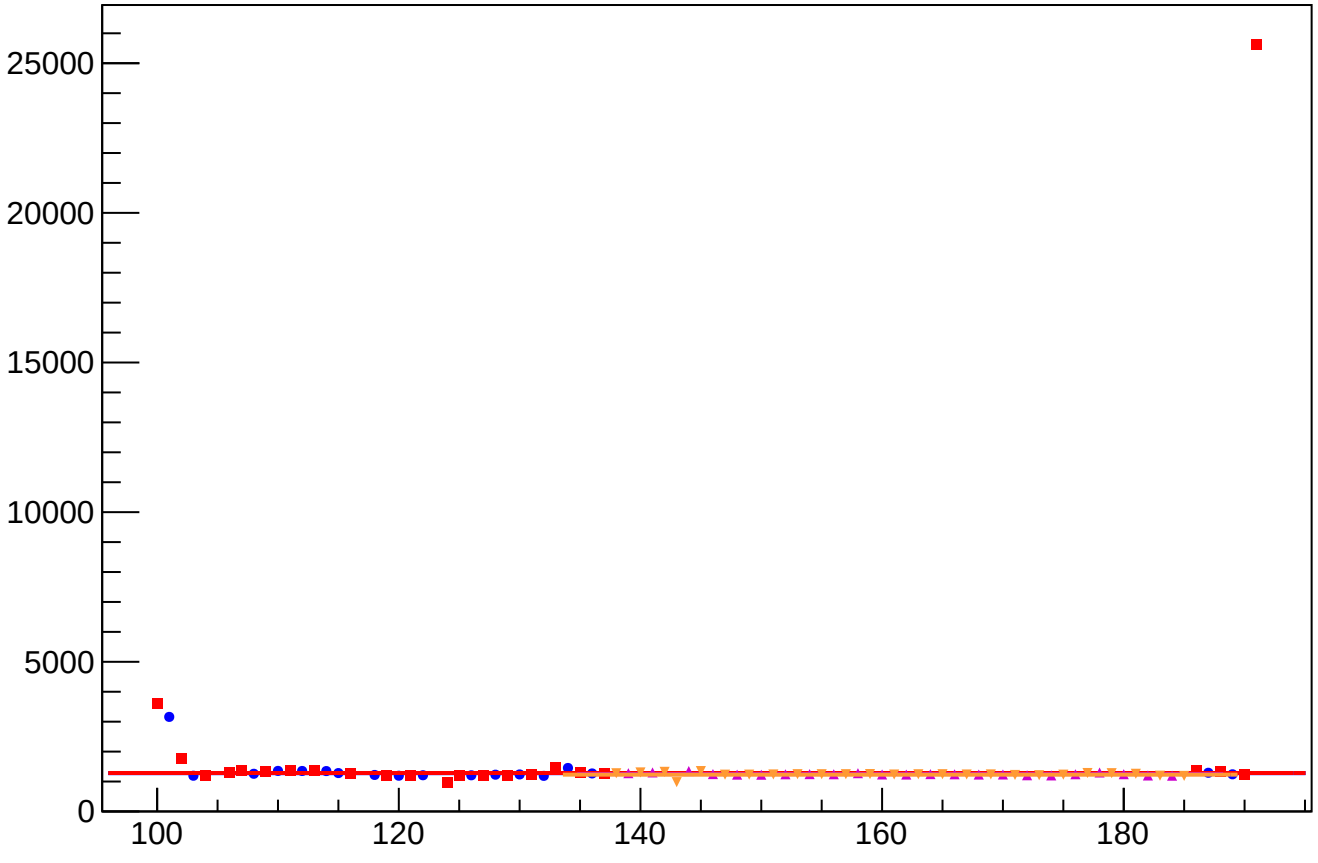
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -70.039+/-239.303 χ^2/NDF: 44.5/42

All: 42.643+/-169.980 χ^2/NDF: 78.6/88

- sign 157.392+/-241.488 χ^2/NDF: 33.6/45

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

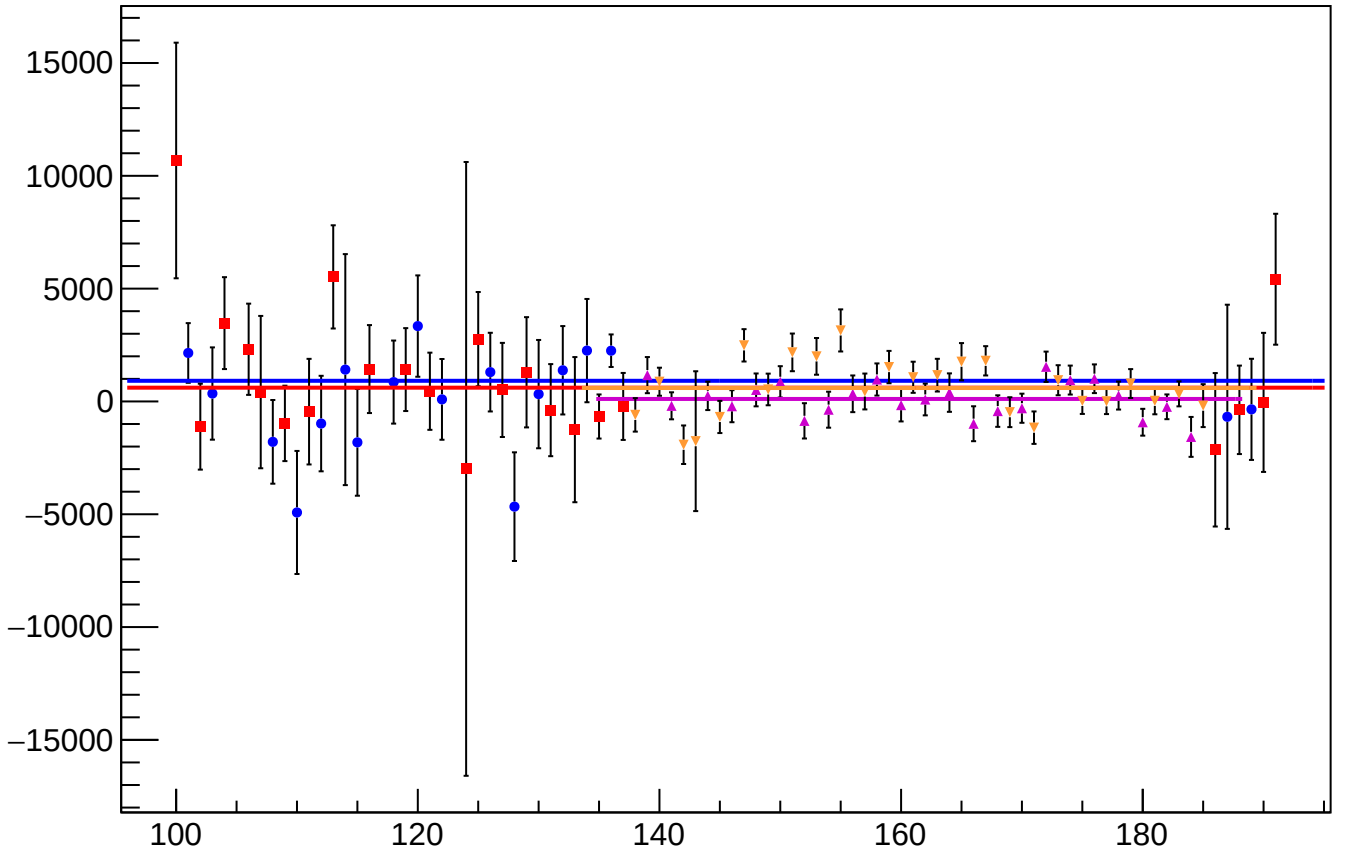
Right Out: 1285.133+/-0.305 χ^2/NDF: 367809.6/22

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

+ sign 1243.098+/-0.169 χ^2/NDF: 666058.9/42

All: 1251.221+/-0.120 χ^2/NDF: 1076156.7/88

- sign 1259.494+/-0.171 χ^2/NDF: 405445.9/45



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: 610.188+/-424.130 χ^2/NDF: 20.8/22

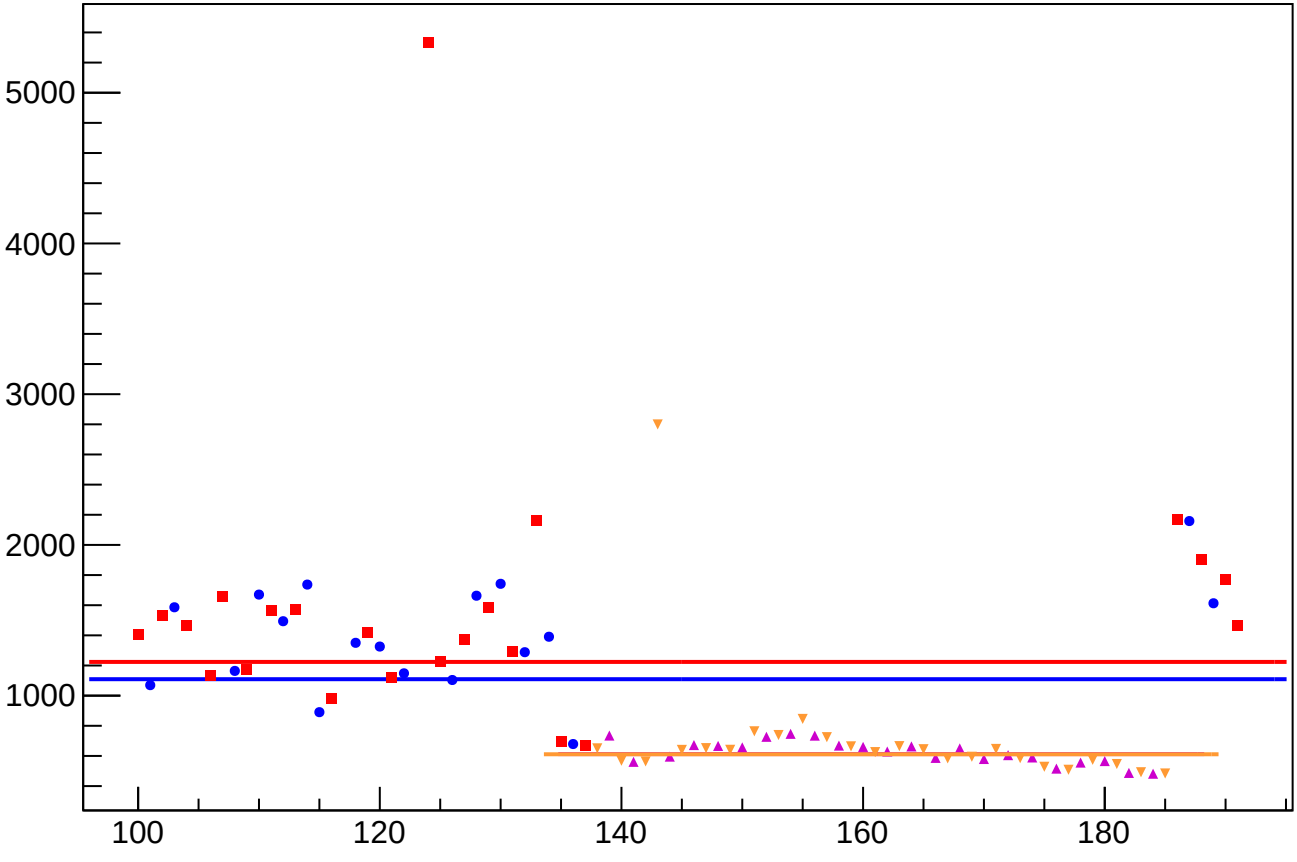
Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

+ sign 628.411+/-134.507 χ^2/NDF: 78.7/42

All: 398.761+/-95.826 χ^2/NDF: 132.4/88

- sign 162.074+/-136.552 χ^2/NDF: 47.8/45

asym_at1_dd_at2_dd_avg_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: 1223.781+/-0.300 χ^2/NDF: 2006413.3/22

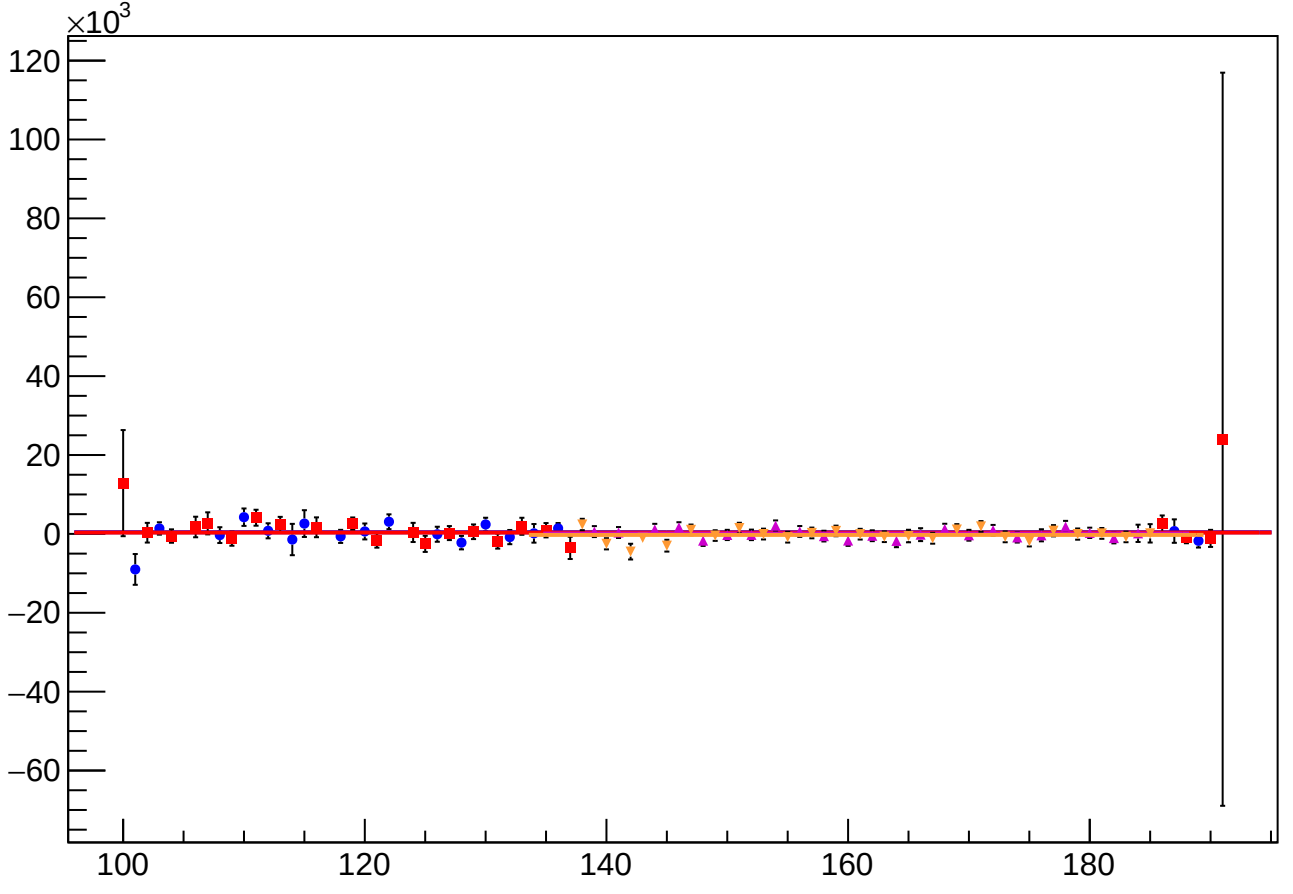
Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

+ sign 663.083+/-0.095 χ^2/NDF: 5741098.1/42

All: 669.332+/-0.068 χ^2/NDF: 11989911.2/88

- sign 675.773+/-0.097 χ^2/NDF: 6240046.1/45

eigen_dit_asym_at1_dd_at2_dd_avg_mean vs Slug



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: 338.069+/-431.294 χ^2/NDF: 19.4/22

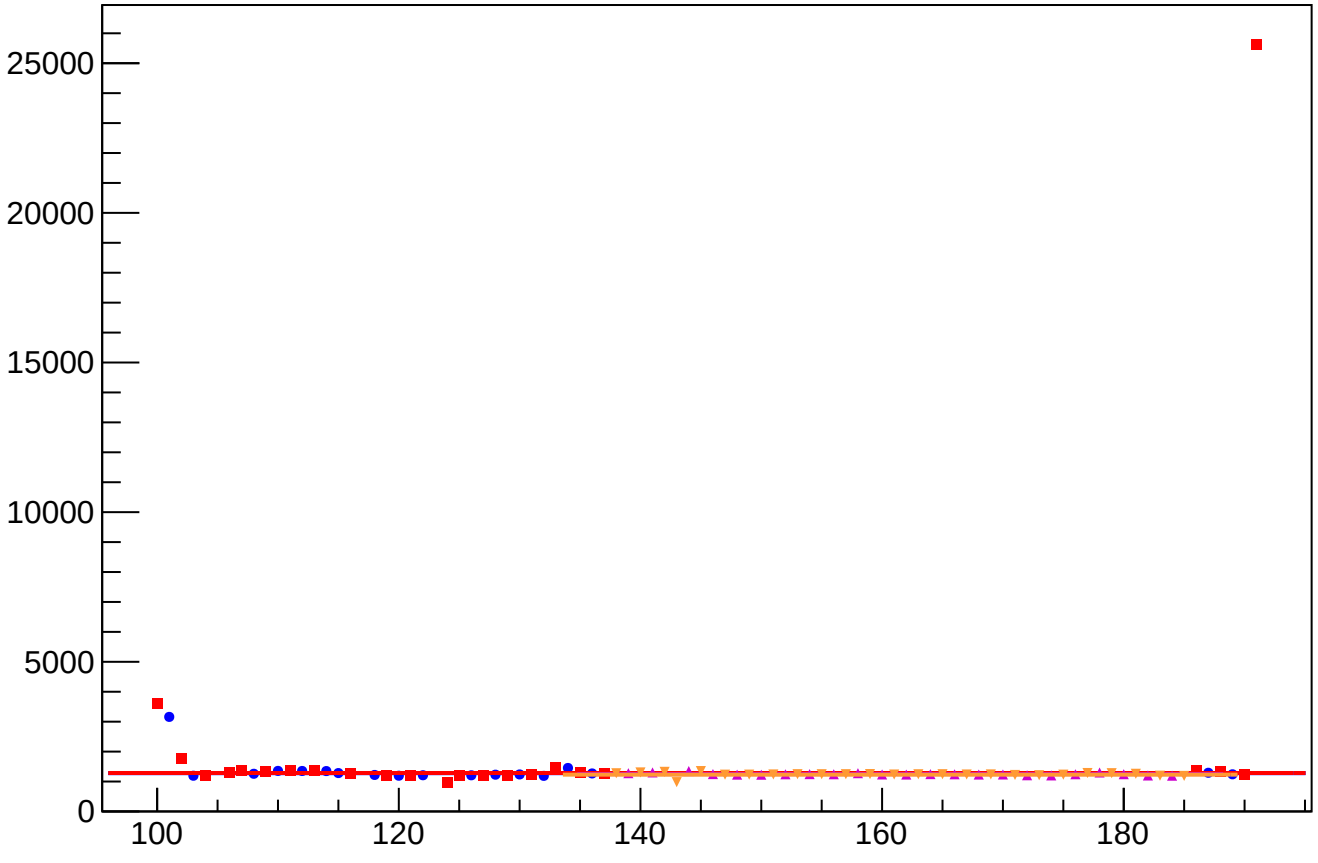
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -70.040+/-239.303 χ^2/NDF: 44.5/42

All: 42.643+/-169.980 χ^2/NDF: 78.6/88

- sign 157.392+/-241.488 χ^2/NDF: 33.6/45

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

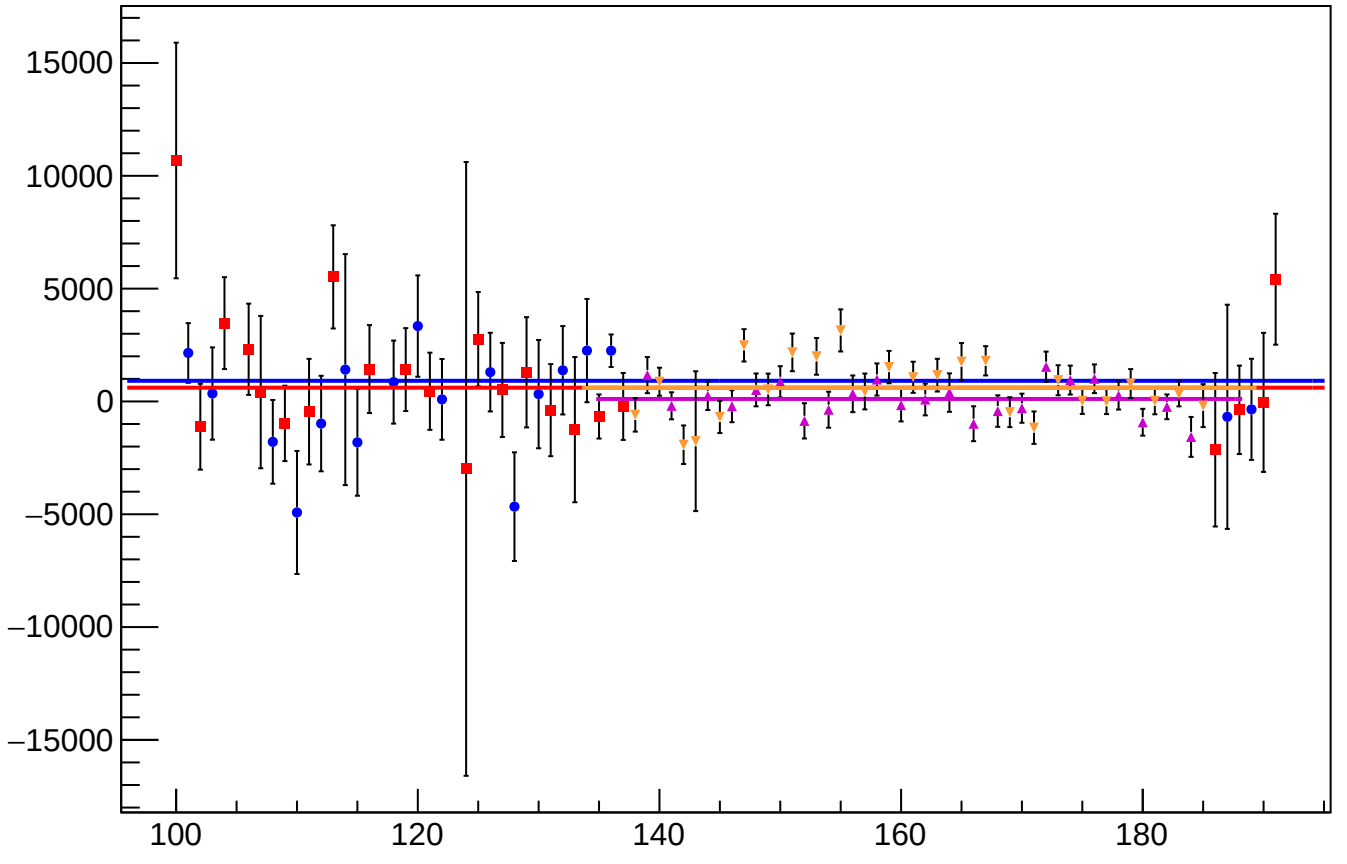
Right Out: 1285.133+/-0.305 χ^2/NDF: 367809.5/22

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1243.097+/-0.169 χ^2/NDF: 666058.1/42

All: 1251.221+/-0.120 χ^2/NDF: 1076155.8/88

- sign 1259.494+/-0.171 χ^2/NDF: 405445.8/45



Right In: 915.035+/-416.299 χ^2/NDF: 20.9/17

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

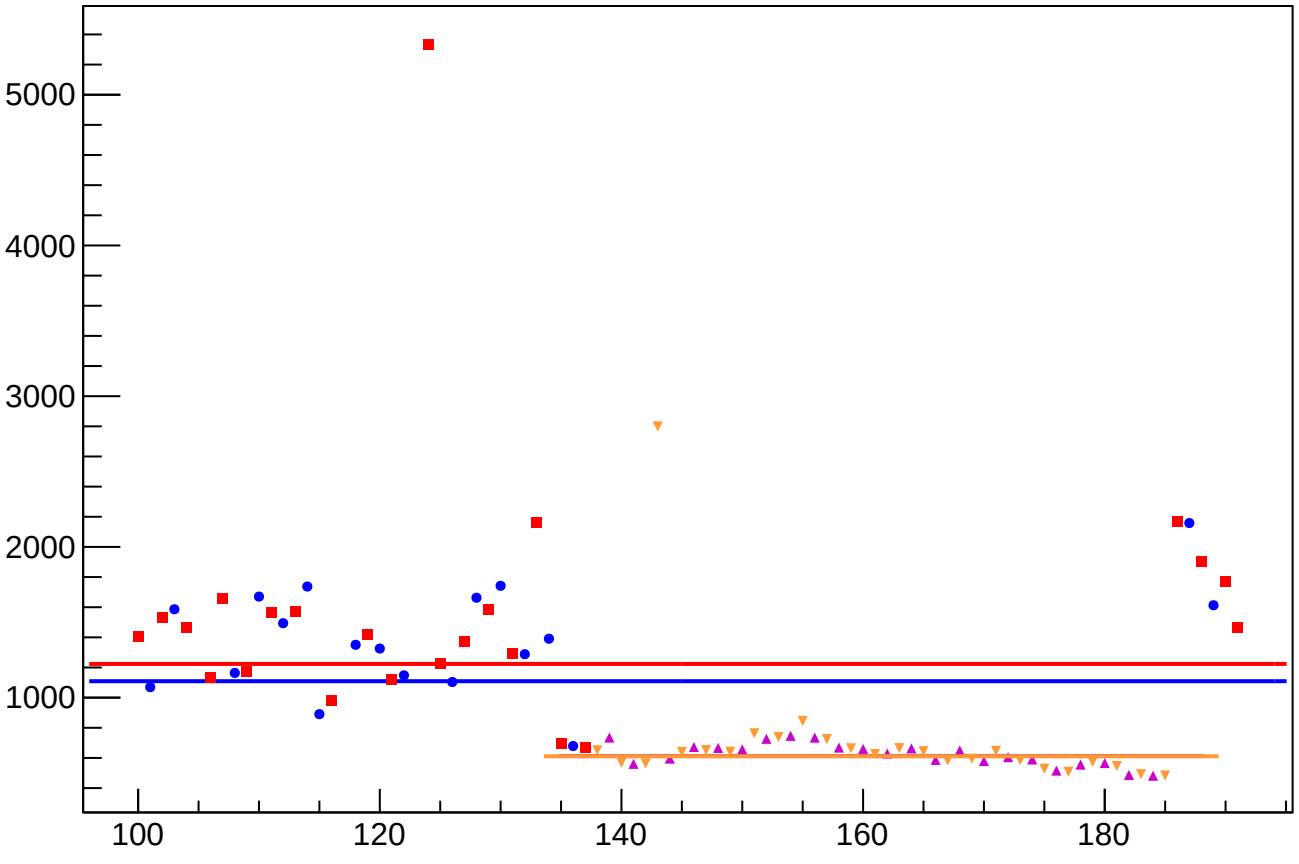
Right Out: 610.198+/-424.132 χ^2/NDF: 20.8/22

Left In: 110.251+/-144.232 χ^2/NDF:25.7/22

+ sign 628.410+/-134.507 χ^2/NDF: 78.7/42

All: 398.760+/-95.826 χ^2/NDF: 132.4/88

- sign 162.074+/-136.552 χ^2/NDF: 47.8/45



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: 1223.788+/-0.300 χ^2/NDF: 2006352.6/22

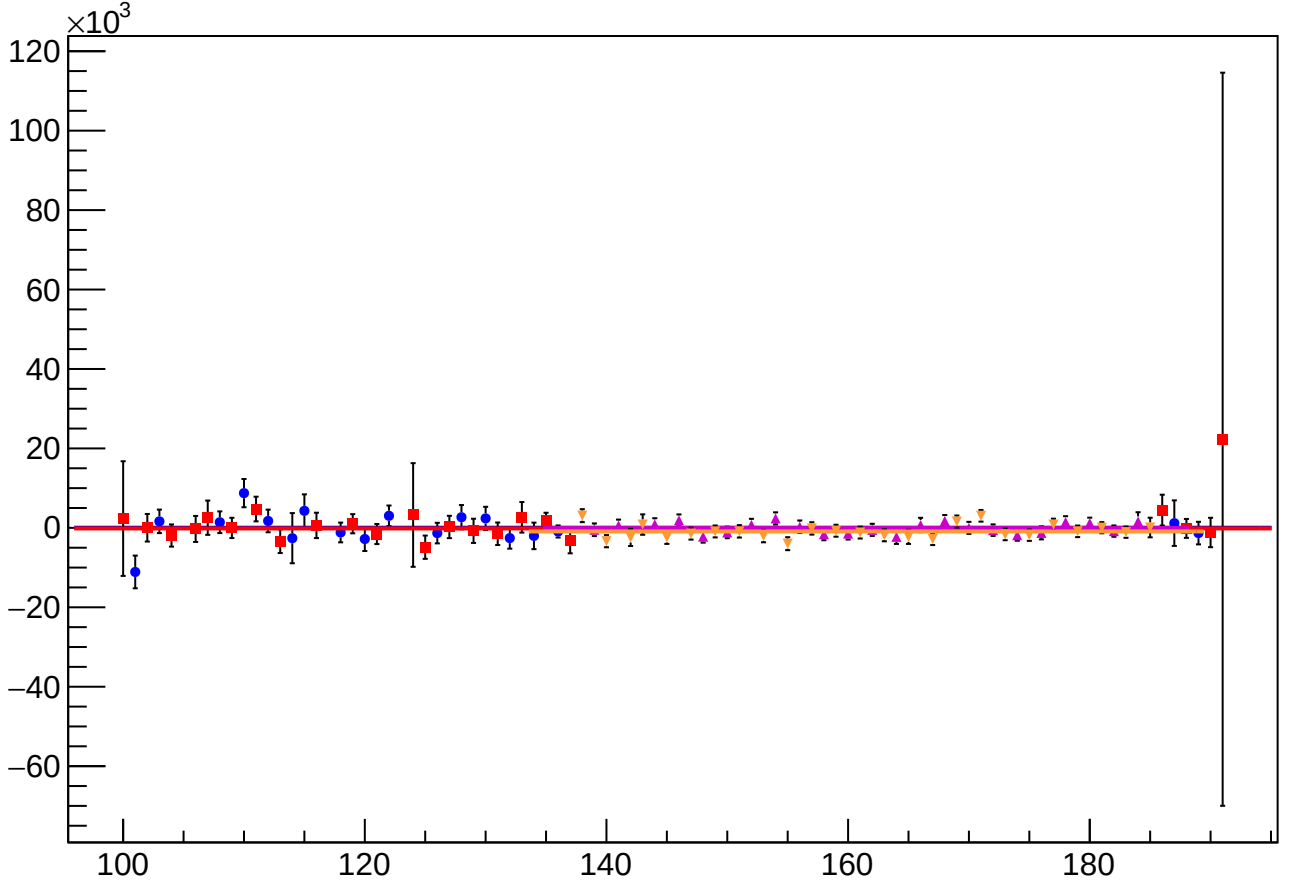
Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

+ sign 663.083+/-0.095 χ^2/NDF: 5741086.7/42

All: 669.332+/-0.068 χ^2/NDF: 11989910.1/88

- sign 675.773+/-0.097 χ^2/NDF: 6240057.1/45

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: -146.551+/-651.156 χ^2/NDF: 11.9/22

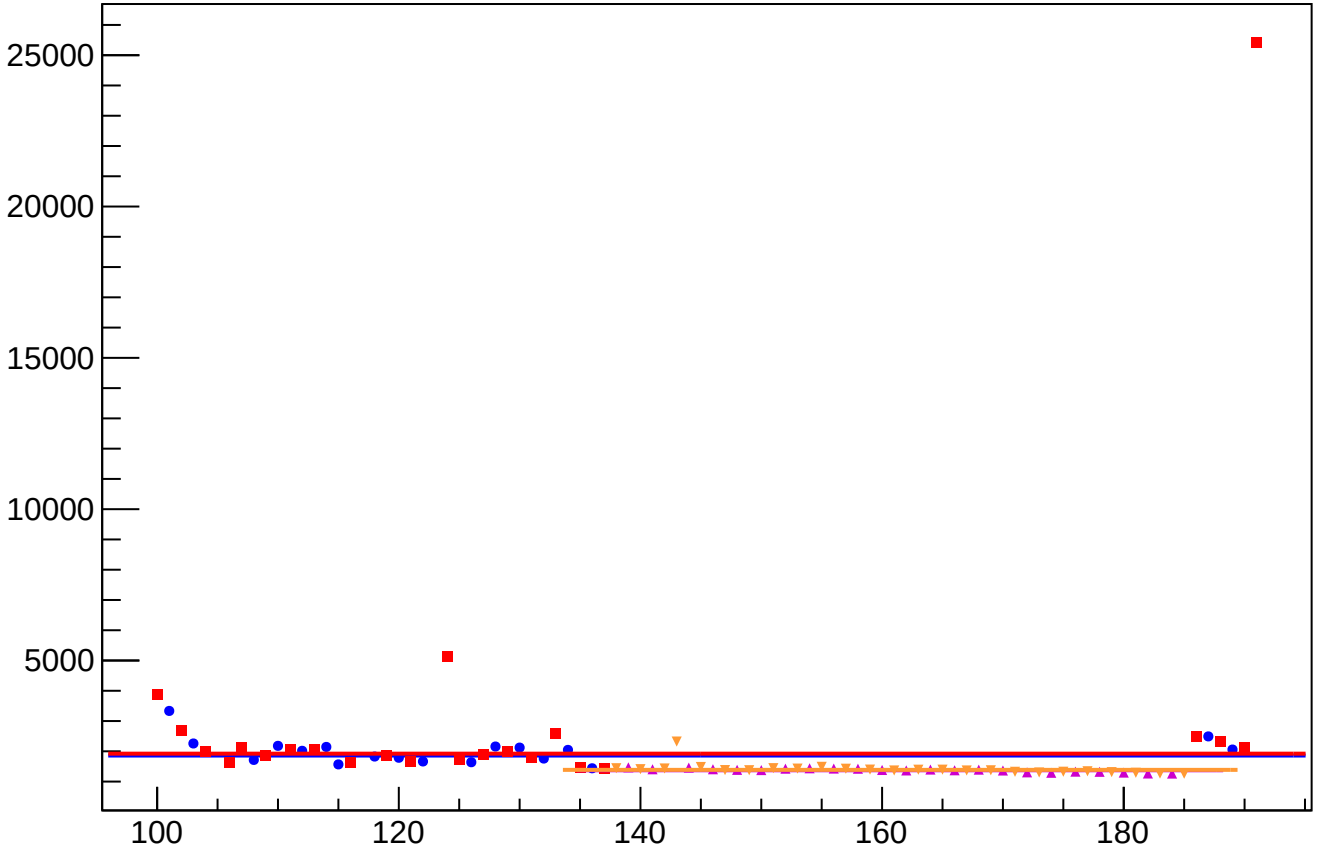
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

\+ sign -730.933+/-286.453 χ^2/NDF: 53.0/42

All: -400.799+/-203.050 χ^2/NDF: 85.4/88

\- sign -67.404+/-287.865 χ^2/NDF: 29.8/45

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

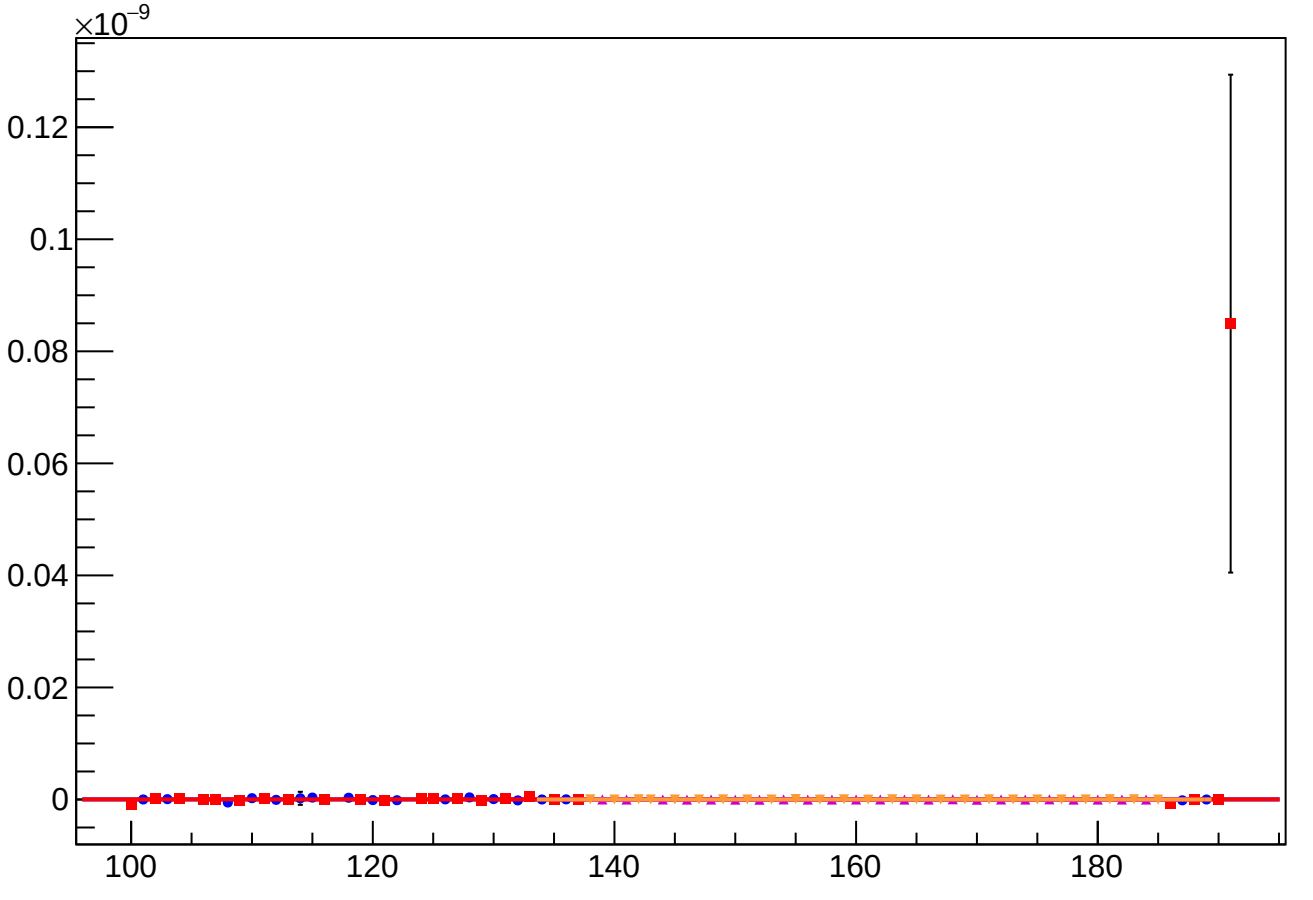
Right Out: 1922.161+/-0.460 χ^2/NDF: 774518.5/22

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1472.373+/-0.203 χ^2/NDF: 1741325.4/42

All: 1476.418+/-0.144 χ^2/NDF: 3724741.6/88

- sign 1480.503+/-0.204 χ^2/NDF: 1982614.7/45



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

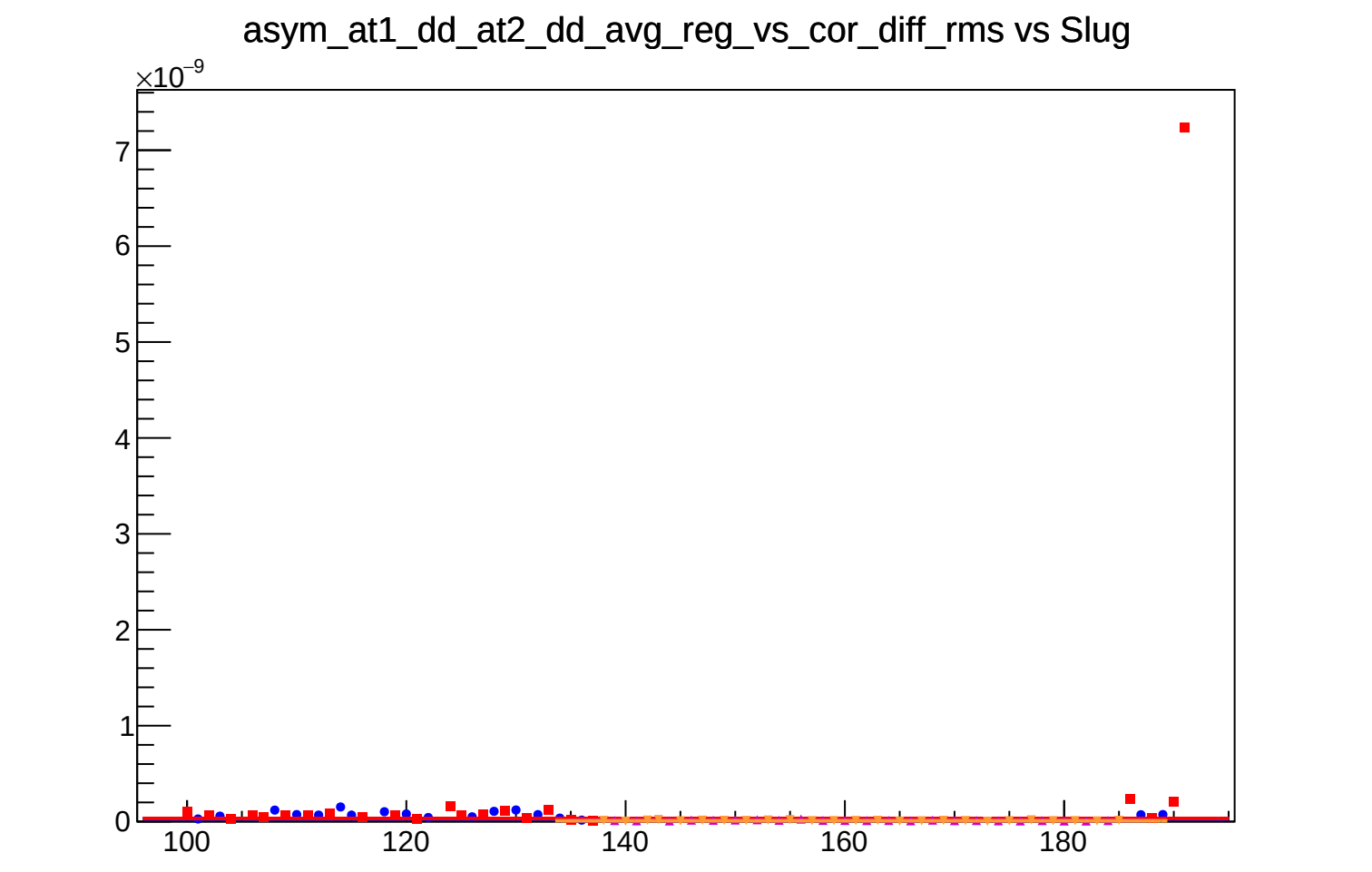
Right Out: 0.000+/-0.000 χ^2/NDF: 34.3/22

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: 91.7/88

- sign -0.000+/-0.000 χ^2/NDF: 48.4/45



Right In: 0.000+/-0.000 χ^2/NDF: 2835767.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

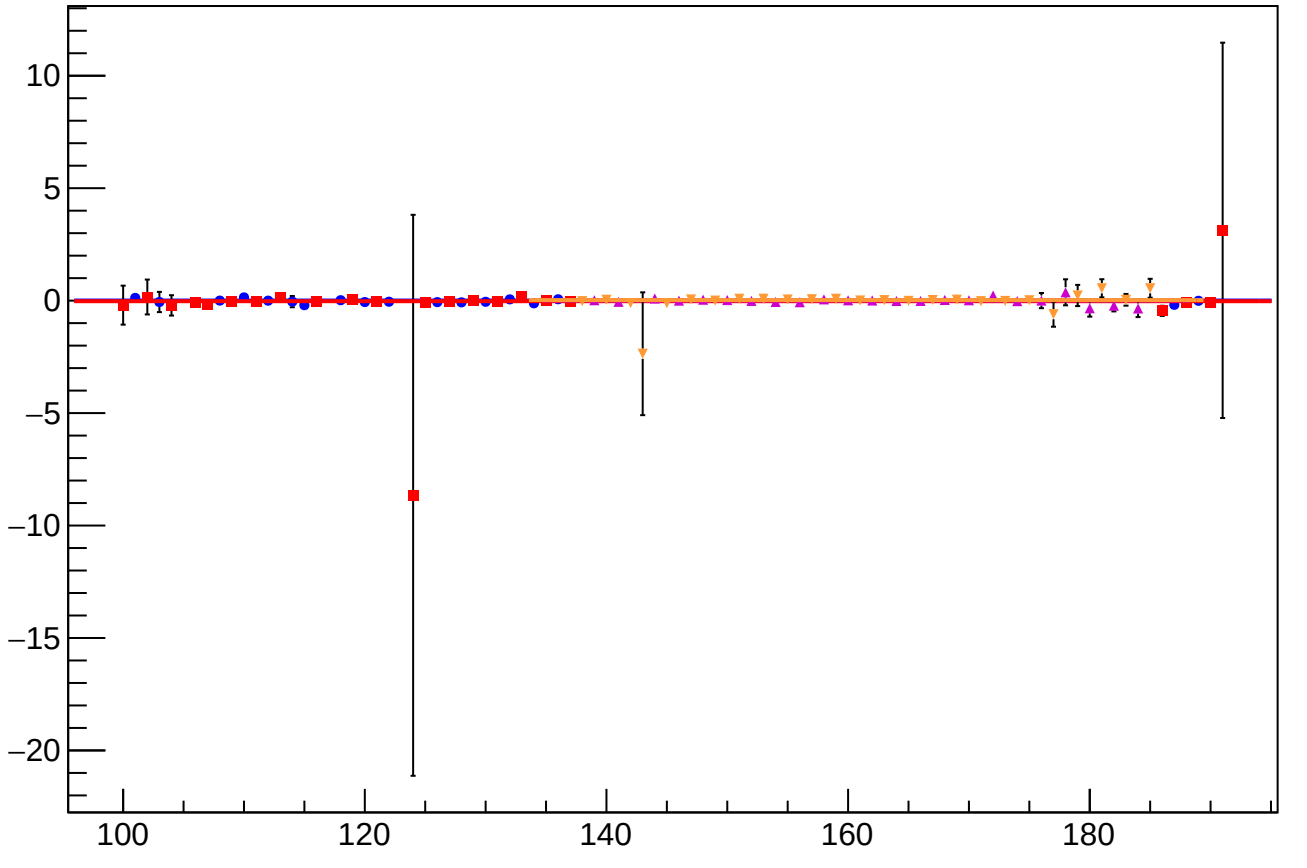
Right Out: 0.000+/-0.000 χ^2/NDF: 2974385.8/22

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: 13546396.6/88

- sign 0.000+/-0.000 χ^2/NDF: 6291669.3/45



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: -0.025+/-0.015 χ^2/NDF: 18.9/22

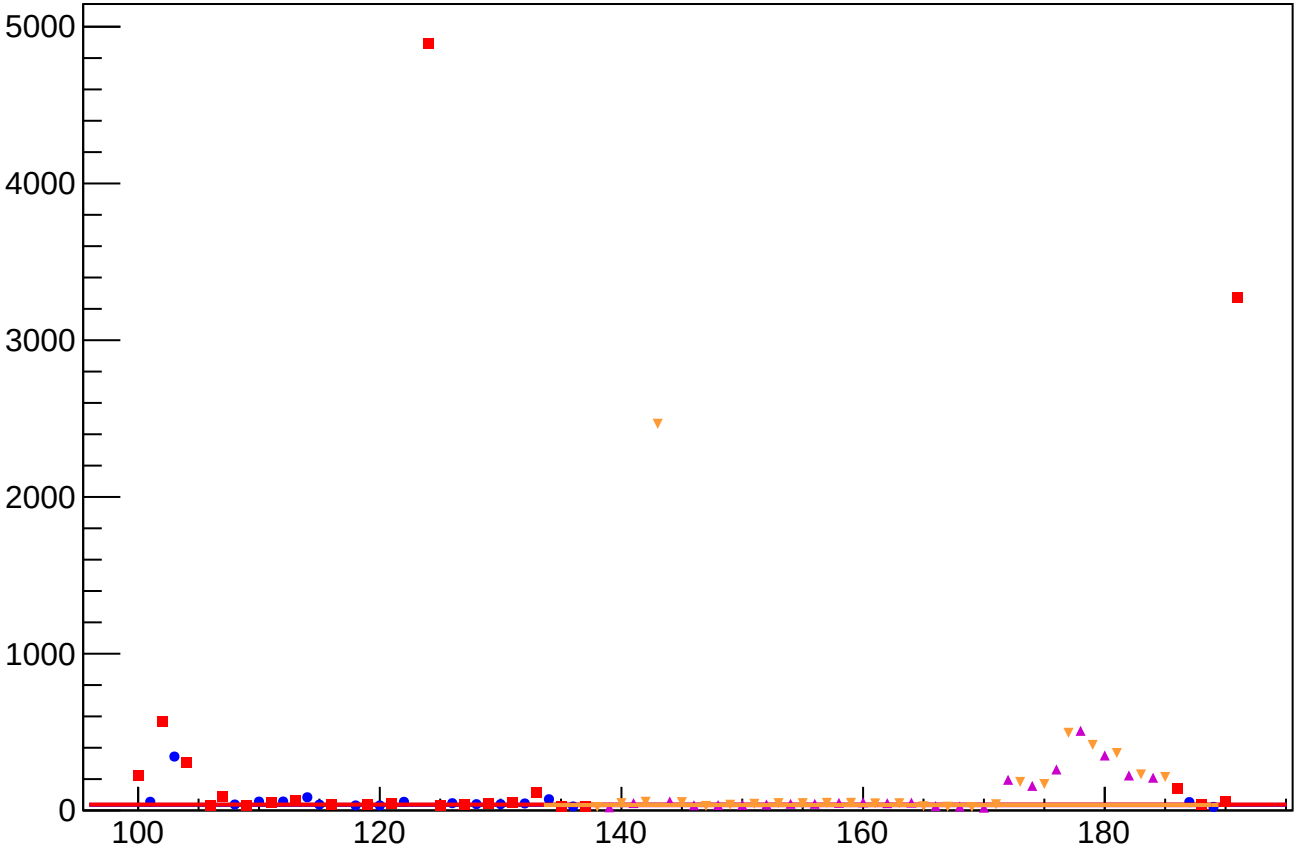
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.017+/-0.008 χ^2/NDF: 45.7/42

All: 0.008+/-0.006 χ^2/NDF: 85.3/88

- sign -0.001+/-0.008 χ^2/NDF: 37.4/45

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

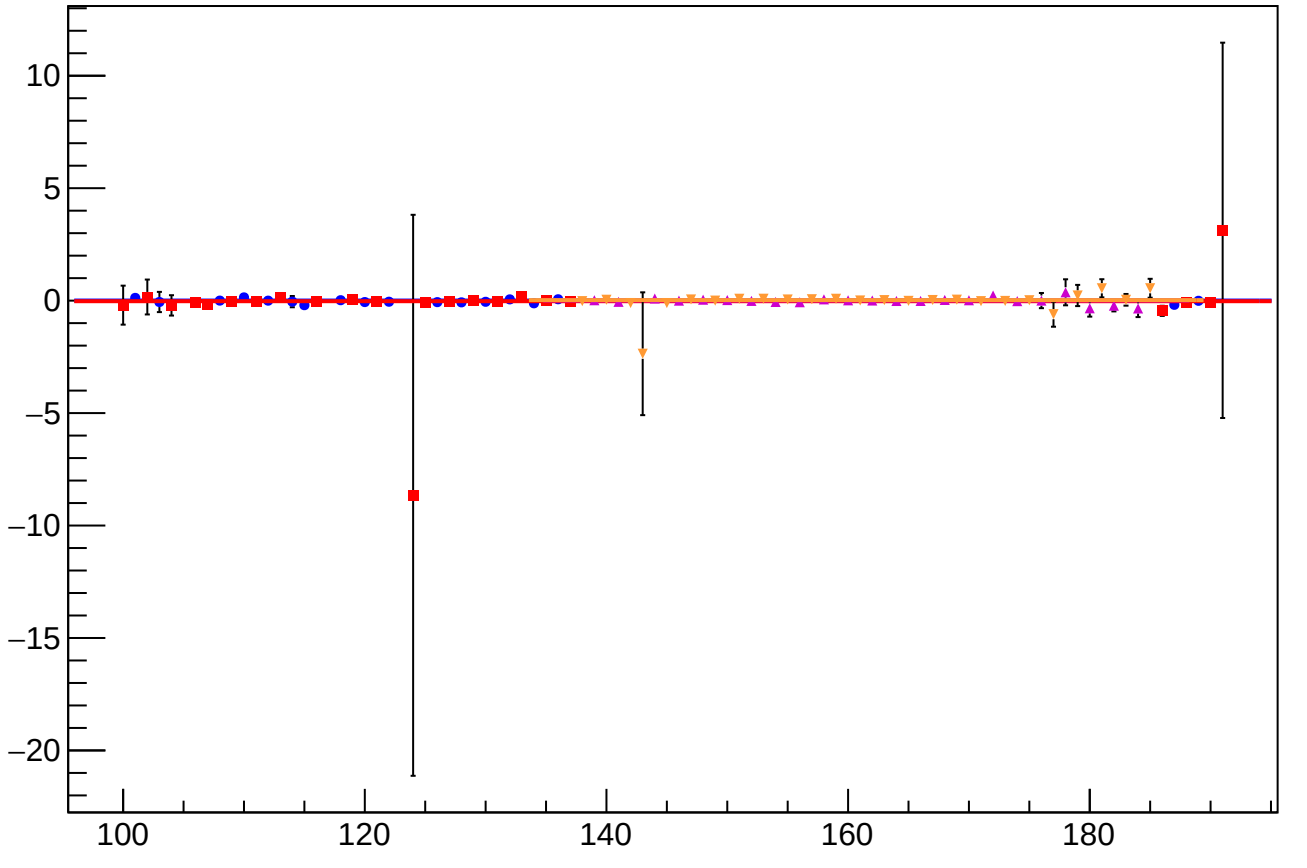
Right Out: 37.613+/-0.011 χ^2/NDF: 4009545.5/22

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

\+ sign 34.986+/-0.006 χ^2/NDF: 13663706.3/42

All: 34.891+/-0.004 χ^2/NDF: 27839356.4/88

\- sign 34.798+/-0.006 χ^2/NDF: 14175142.3/45



Right In: 0.004+/-0.015 χ^2/NDF: 21.6/17

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

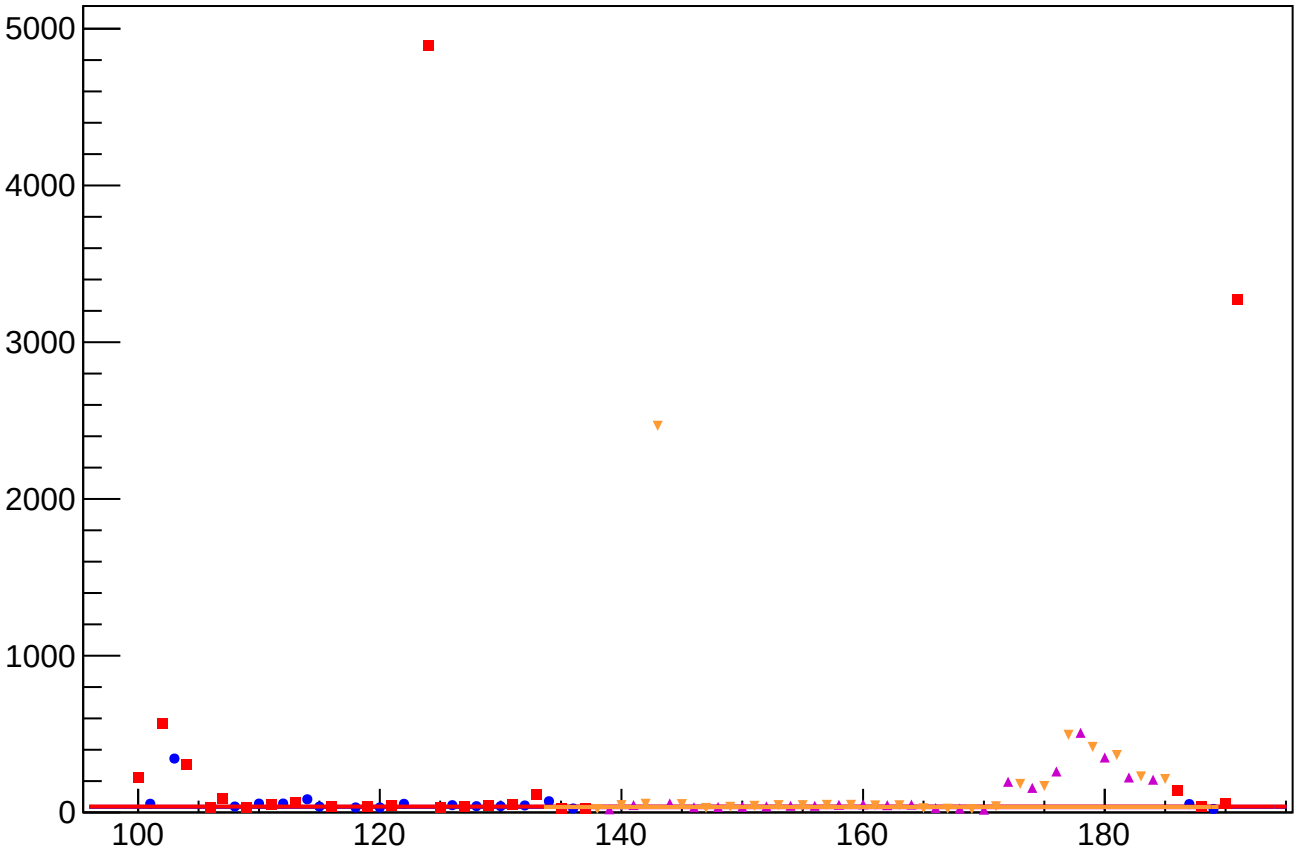
Right Out: -0.025+/-0.015 χ^2/NDF: 18.9/22

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: 85.3/88

- sign -0.001+/-0.008 χ^2/NDF: 37.4/45



Right In: 35.758+/-0.011 χ^2/NDF: 2253352.4/17

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

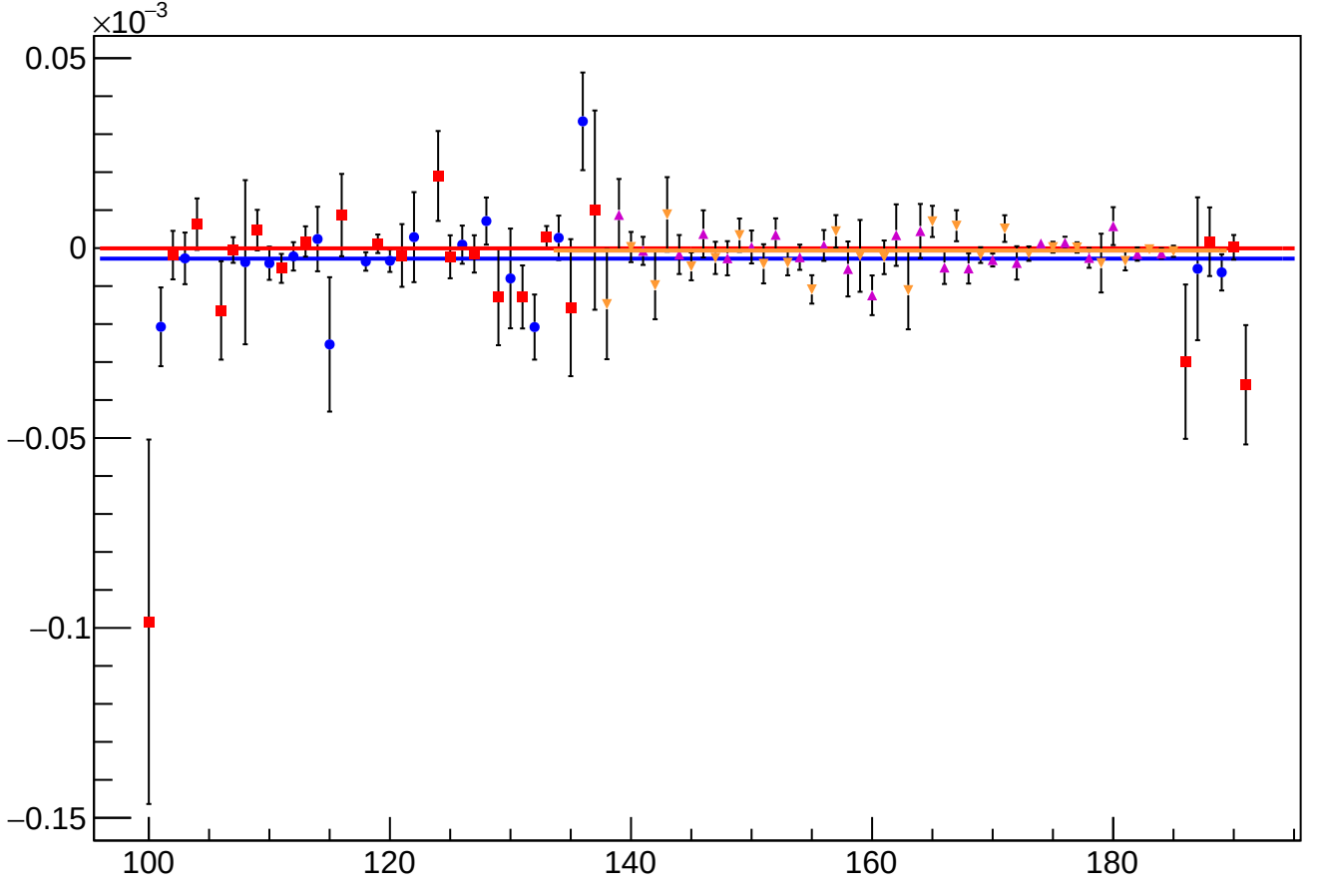
Right Out: 37.613+/-0.011 χ^2/NDF: 4009545.5/22

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

\+ sign 34.986+/-0.006 χ^2/NDF: 13663706.3/42

All: 34.891+/-0.004 χ^2/NDF: 27839356.4/88

\- sign 34.798+/-0.006 χ^2/NDF: 14175142.3/45



Right In: -0.000+/-0.000 χ^2/NDF: 22.5/17

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

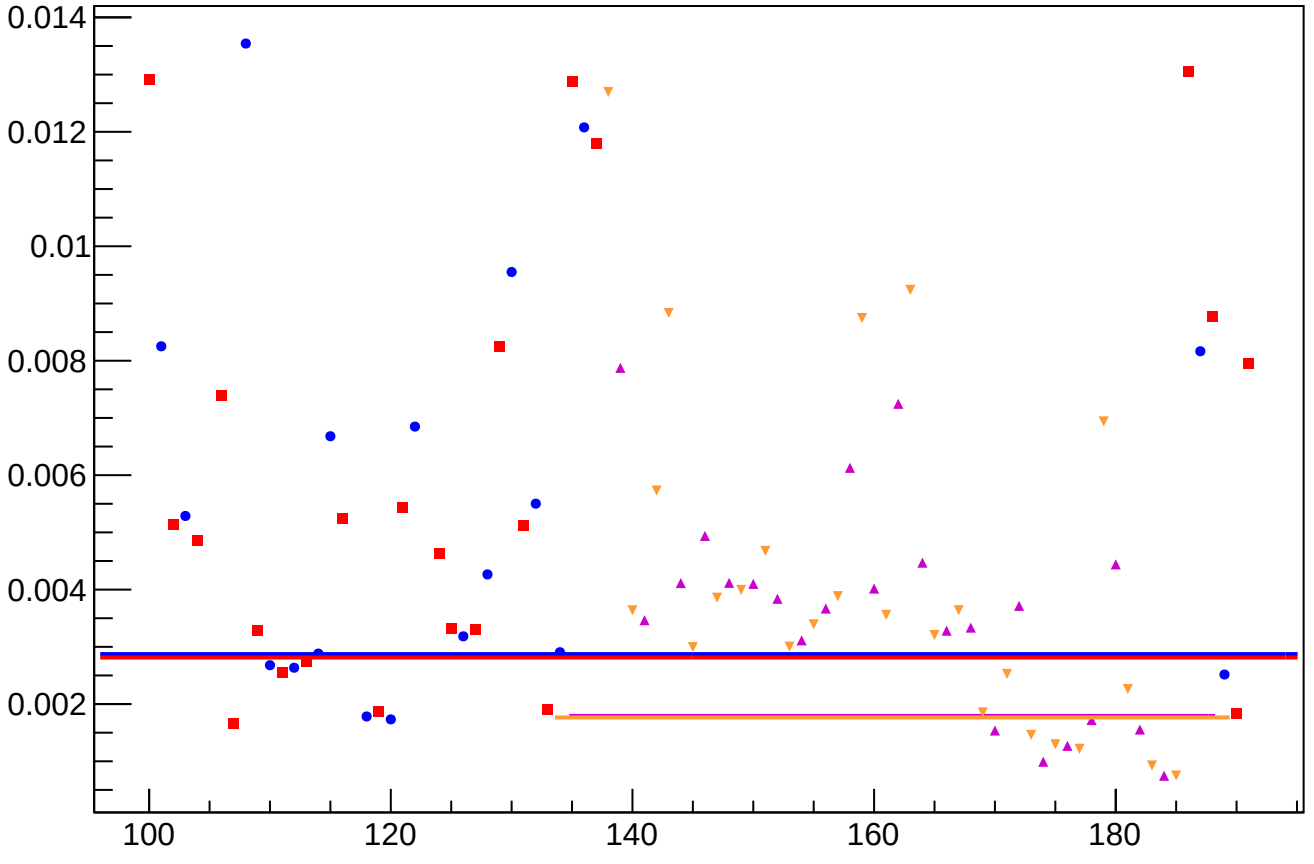
Right Out: -0.000+/-0.000 χ^2/NDF: 26.3/22

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: 102.2/88

- sign -0.000+/-0.000 χ^2/NDF: 48.5/45



Right In: 0.003+/-0.000 χ^2/NDF: 4321613.8/17

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

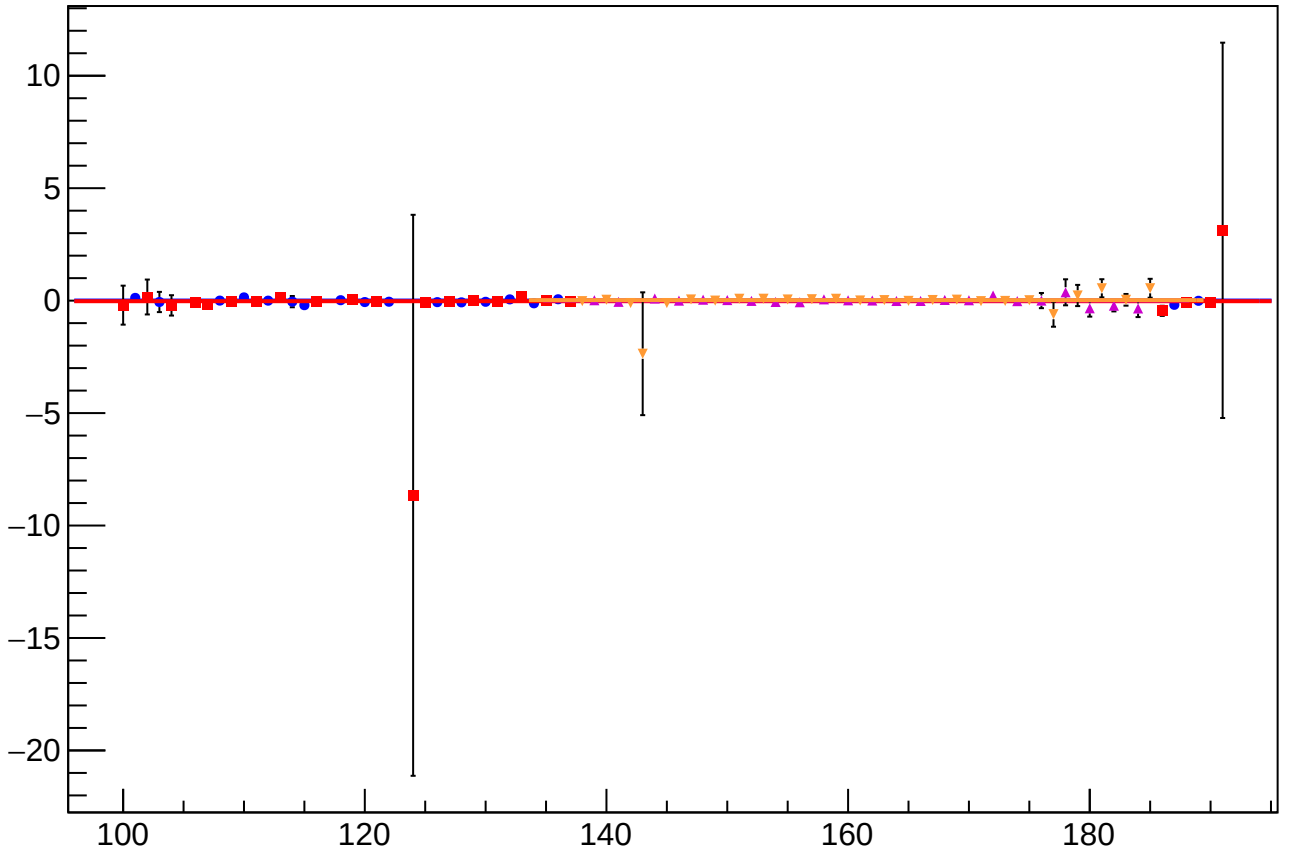
Right Out: 0.003+/-0.000 χ^2/NDF: 5087953.2/22

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: 35857101.2/88

- sign 0.002+/-0.000 χ^2/NDF: 17254395.7/45



Right In: 0.004+/-0.015 χ^2/NDF: 21.6/17

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

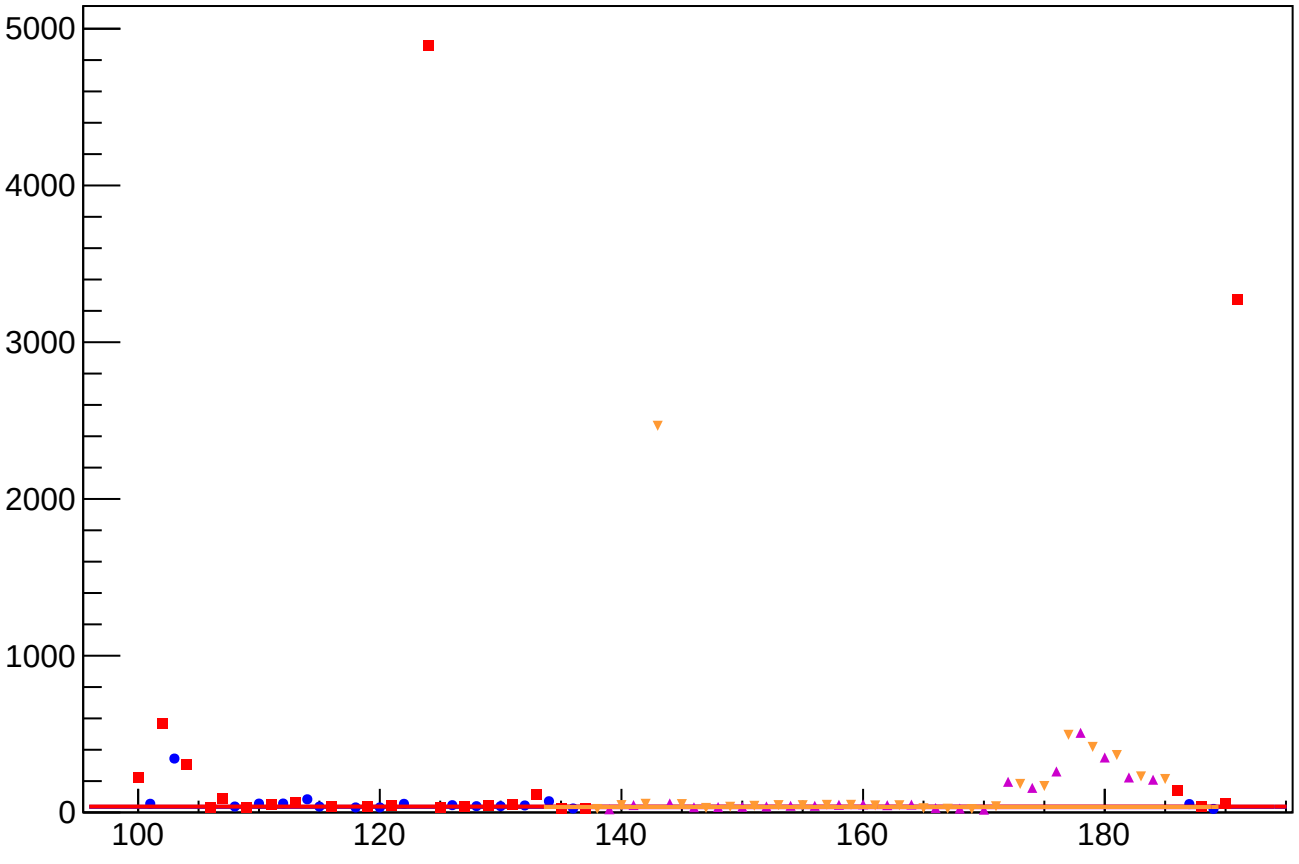
Right Out: -0.025+/-0.015 χ^2/NDF: 18.9/22

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: 85.3/88

- sign -0.001+/-0.008 χ^2/NDF: 37.4/45



Right In: 35.762+/-0.011 χ^2/NDF: 2252643.7/17

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

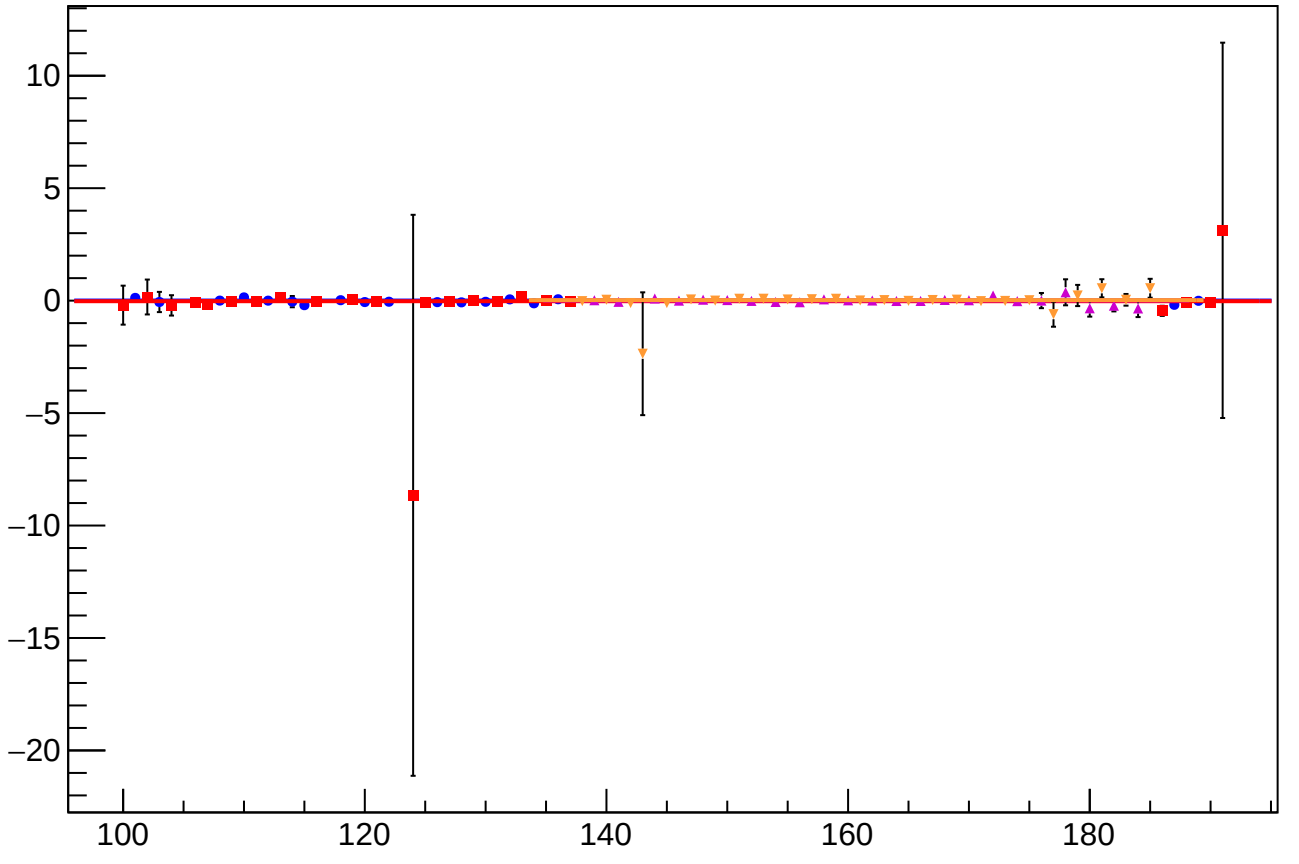
Right Out: 37.615+/-0.011 χ^2/NDF: 4009219.7/22

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

\+ sign 34.987+/-0.006 χ^2/NDF: 13663180.8/42

All: 34.892+/-0.004 χ^2/NDF: 27837202.8/88

\- sign 34.800+/-0.006 χ^2/NDF: 14173522.8/45



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: -0.025+/-0.015 χ^2/NDF: 18.9/22

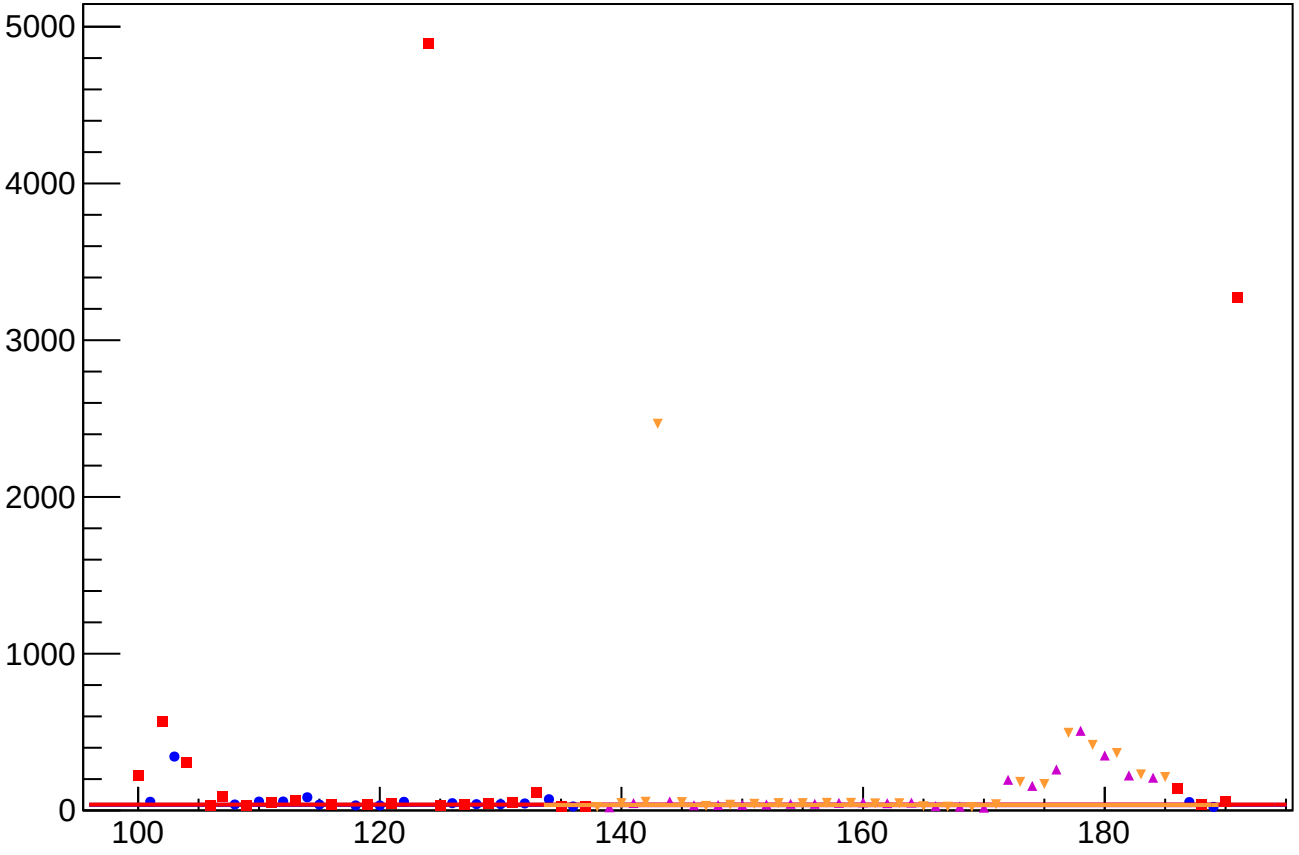
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.017+/-0.008 χ^2/NDF: 45.7/42

All: 0.008+/-0.006 χ^2/NDF: 85.3/88

- sign -0.001+/-0.008 χ^2/NDF: 37.4/45

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_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

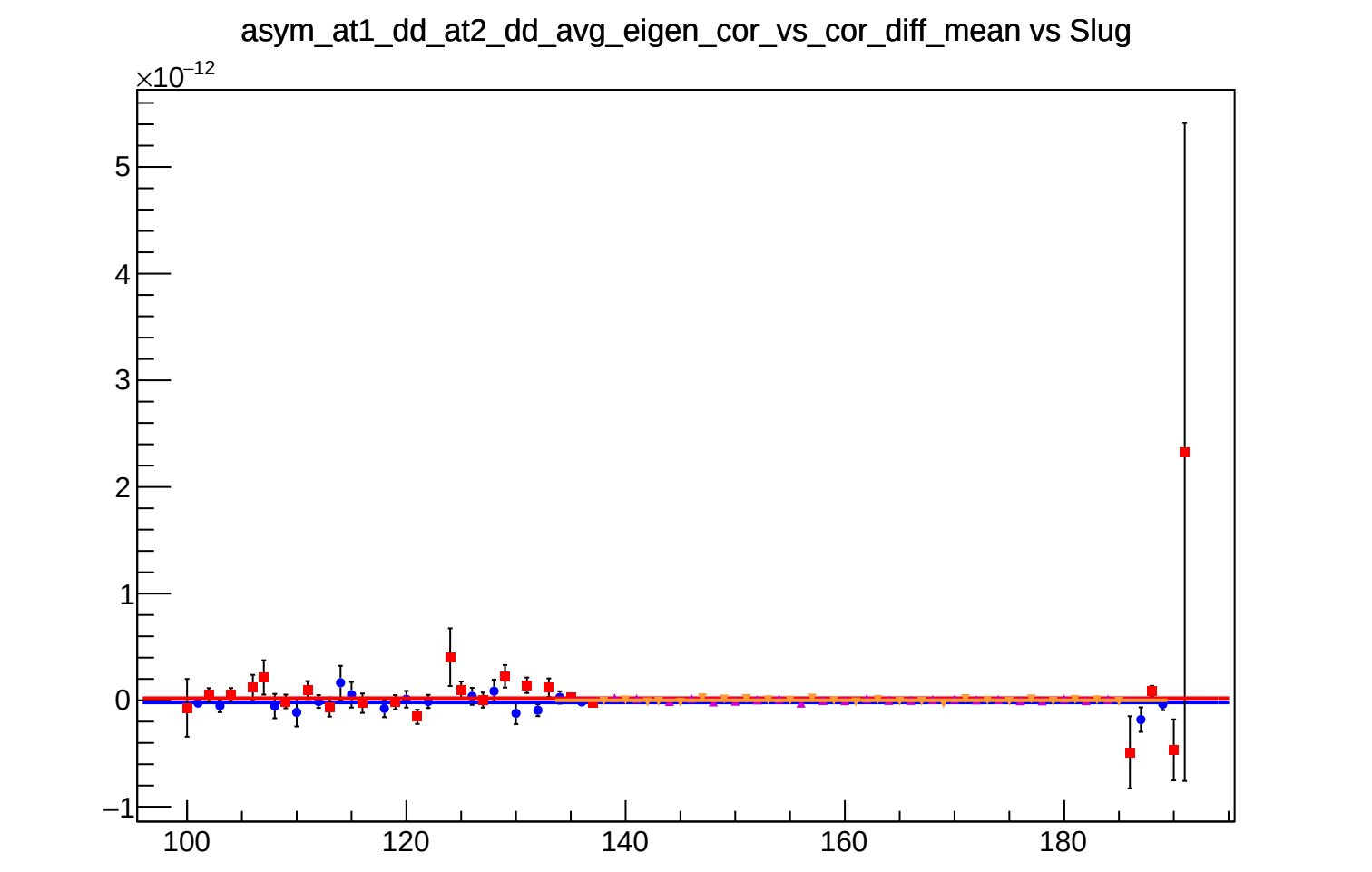
Right Out: 37.615+/-0.011 χ^2/NDF: 4009219.7/22

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

\+ sign 34.987+/-0.006 χ^2/NDF: 13663180.8/42

All: 34.892+/-0.004 χ^2/NDF: 27837202.8/88

\- sign 34.800+/-0.006 χ^2/NDF: 14173522.8/45



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/17

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

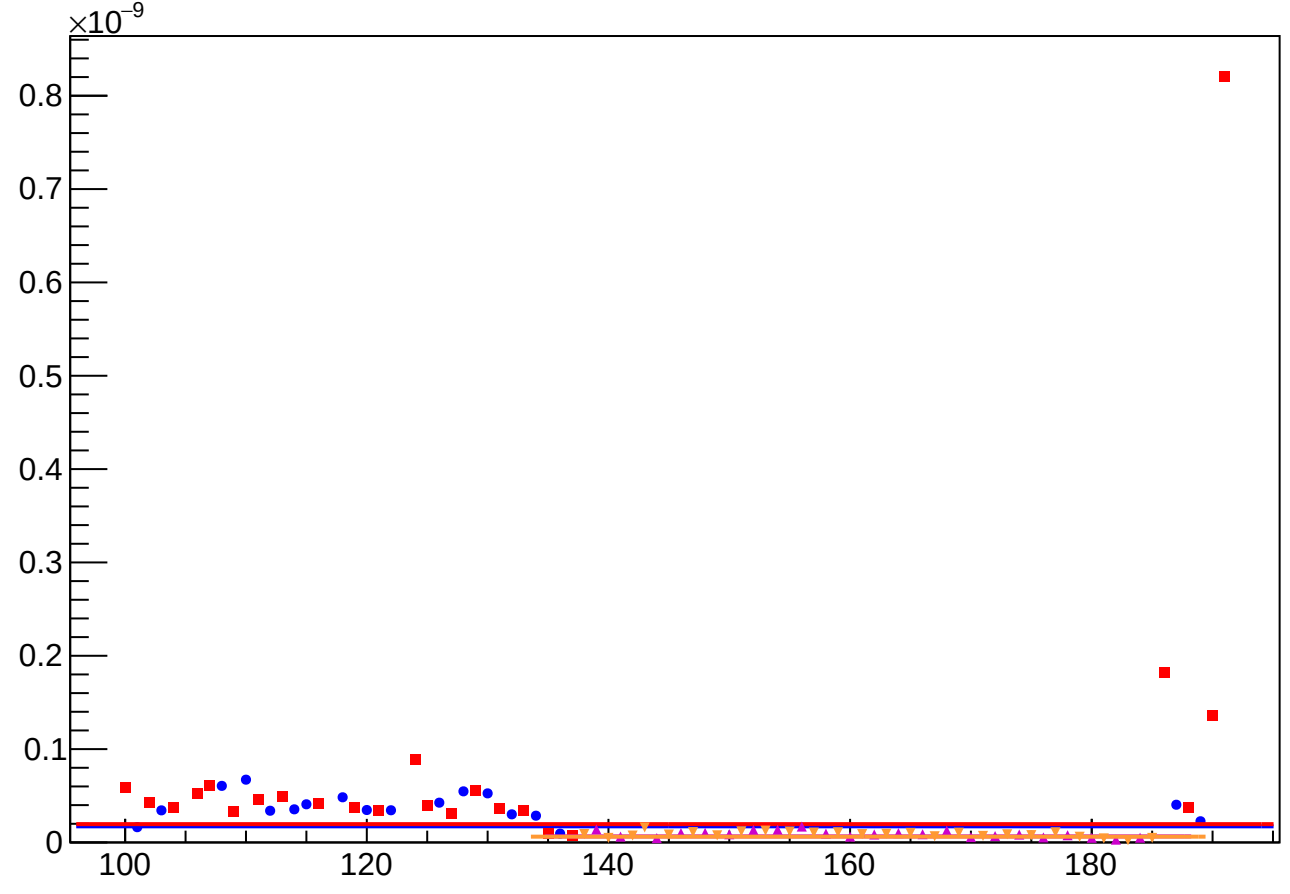
Right Out: 0.000+/-0.000 χ^2/NDF: 34.7/22

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: 99.4/88

- sign 0.000+/-0.000 χ^2/NDF: 57.2/45



Right In: 0.000+/-0.000 χ^2/NDF: 3310003.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4876878.7/22

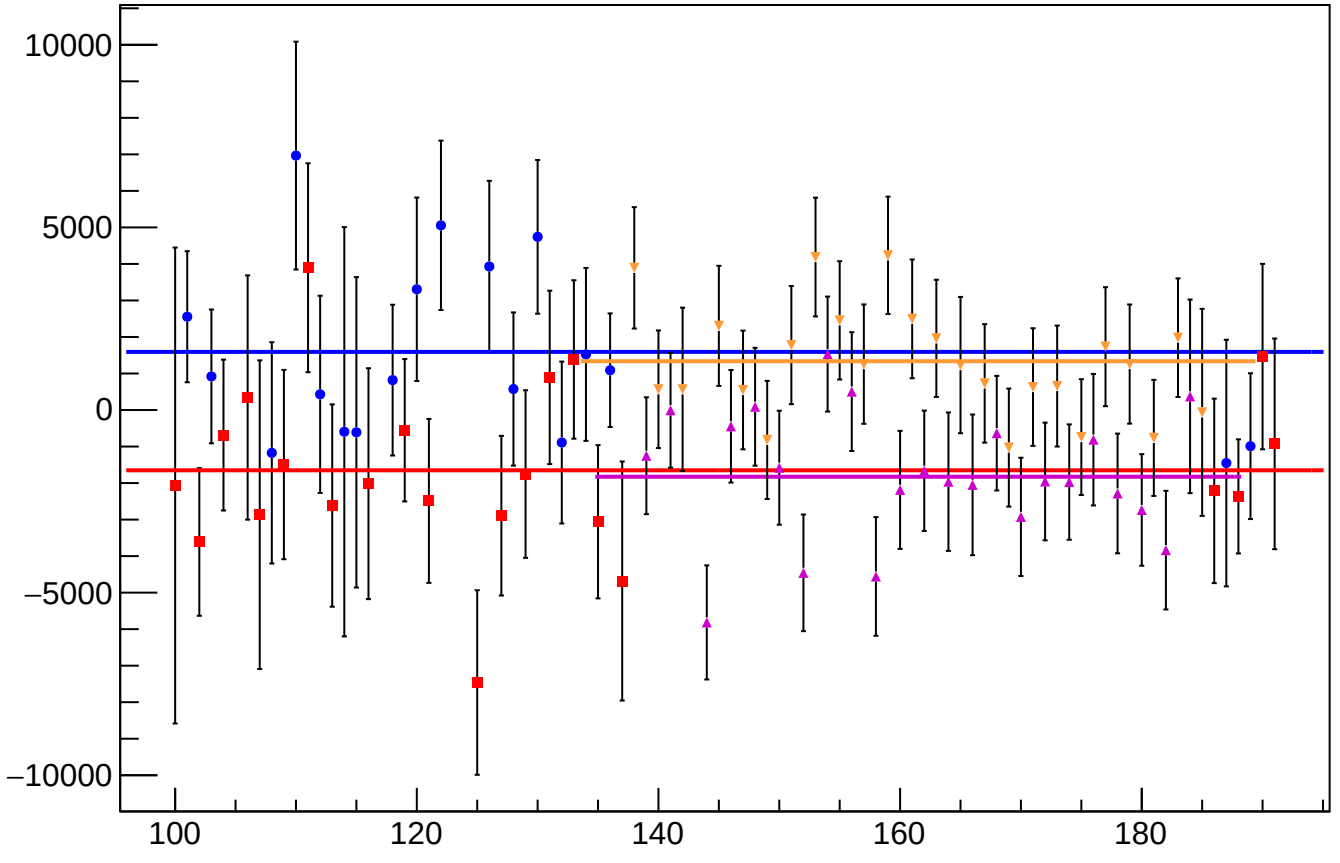
Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 10877834.8/42

All: 0.000+/-0.000 χ^2/NDF: 22642194.9/88

- sign 0.000+/-0.000 χ^2/NDF: 11739251.1/45

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: -1650.330+/-518.520 χ^2/NDF: 17.8/21

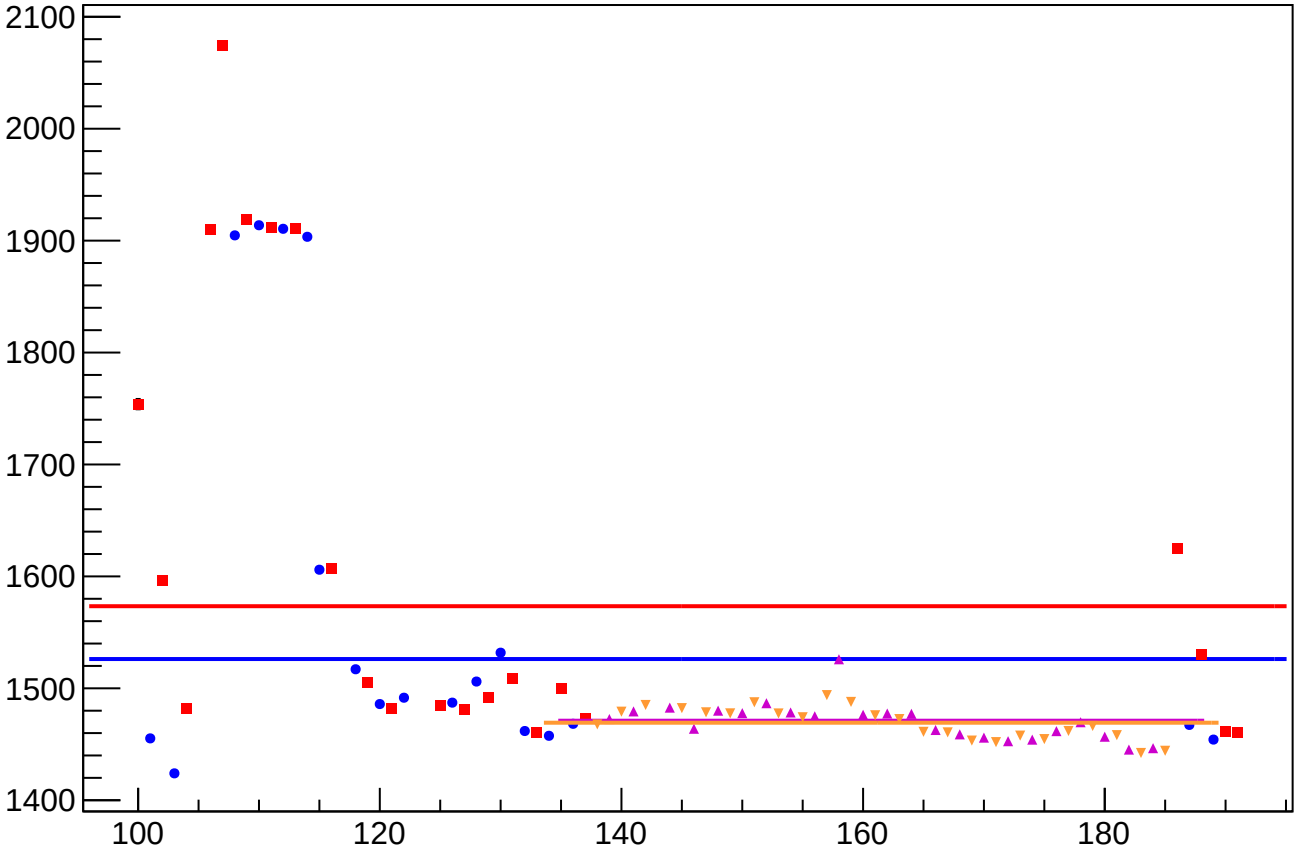
Left In: -1826.599+/-343.483 χ^2/NDF:26.5/22

+ sign 1409.112+/-288.775 χ^2/NDF: 34.3/41

All: -195.257+/-203.333 χ^2/NDF: 139.9/86

- sign -1772.840+/-286.354 χ^2/NDF: 44.4/44

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

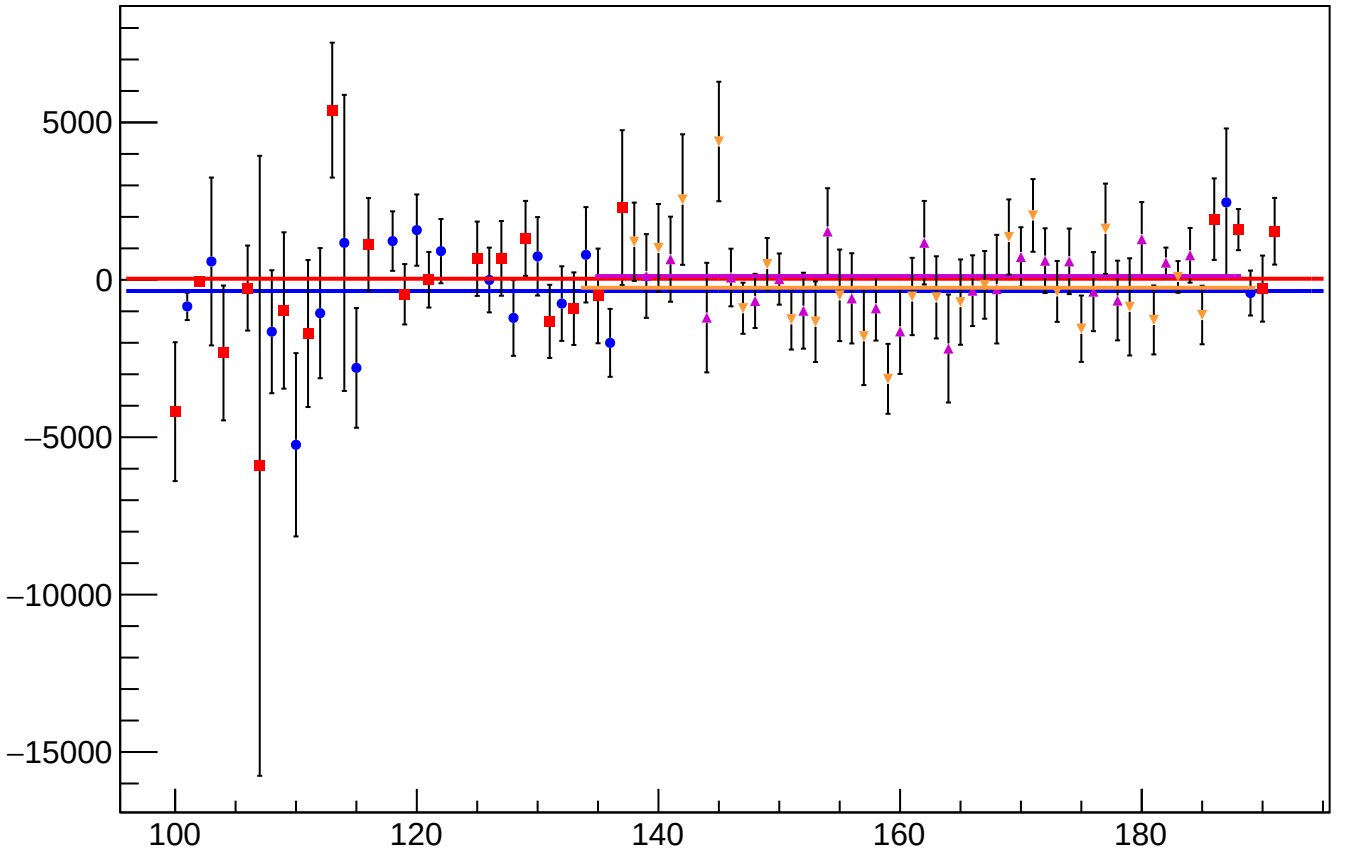
Right Out: 1573.365+/-0.367 χ^2/NDF: 182439.8/21

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1485.363+/-0.204 χ^2/NDF: 151739.8/41

All: 1493.881+/-0.144 χ^2/NDF: 396391.2/86

- sign 1502.257+/-0.202 χ^2/NDF: 241200.1/44



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: 35.331+/-123.033 χ^2/NDF: 28.3/21

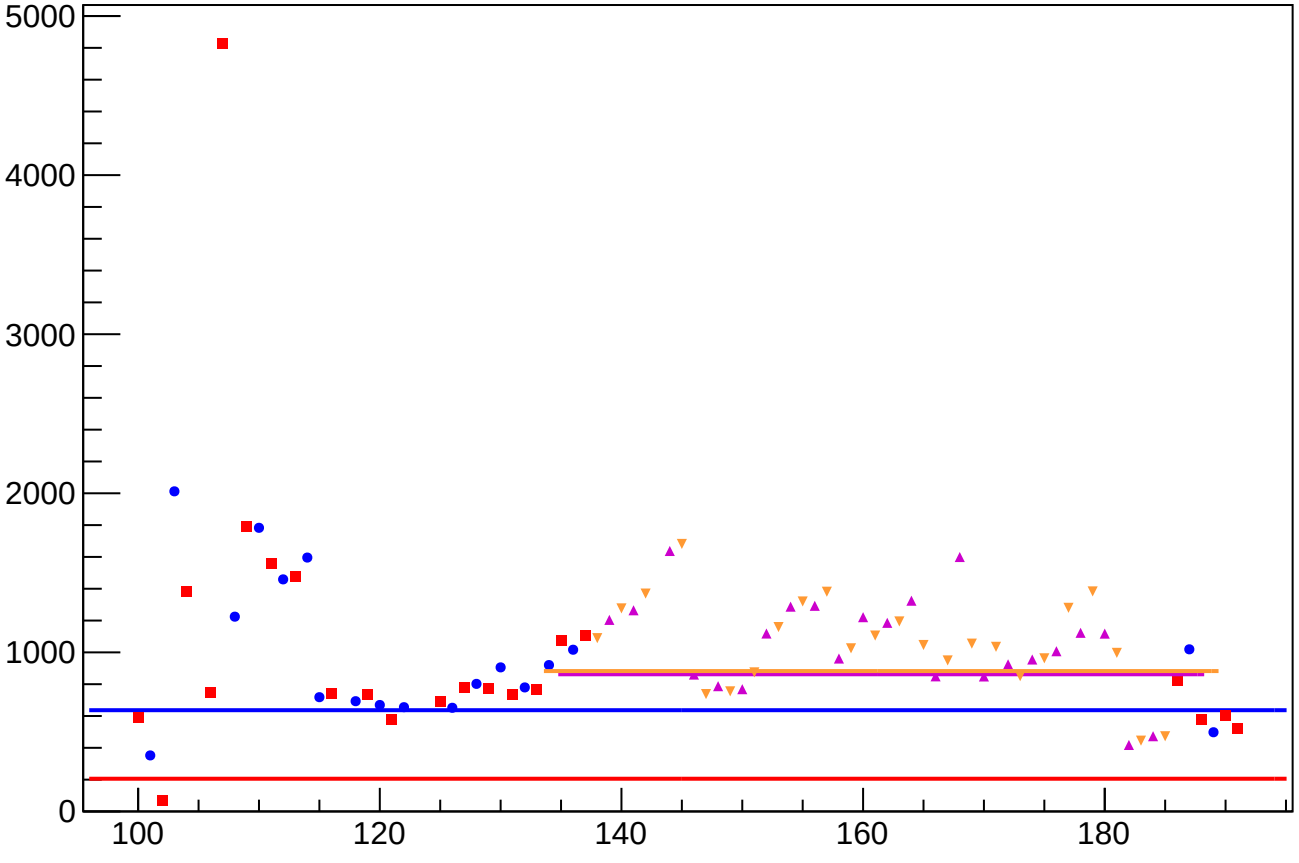
Left In: 119.802+/-215.975 χ^2/NDF:12.8/22

\+ sign -295.562+/-165.268 χ^2/NDF: 52.4/41

All: -47.688+/-89.762 χ^2/NDF: 96.9/86

\- sign 56.027+/-106.904 χ^2/NDF: 41.2/44

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: 205.690+/-0.087 χ^2/NDF: 11455625.8/21

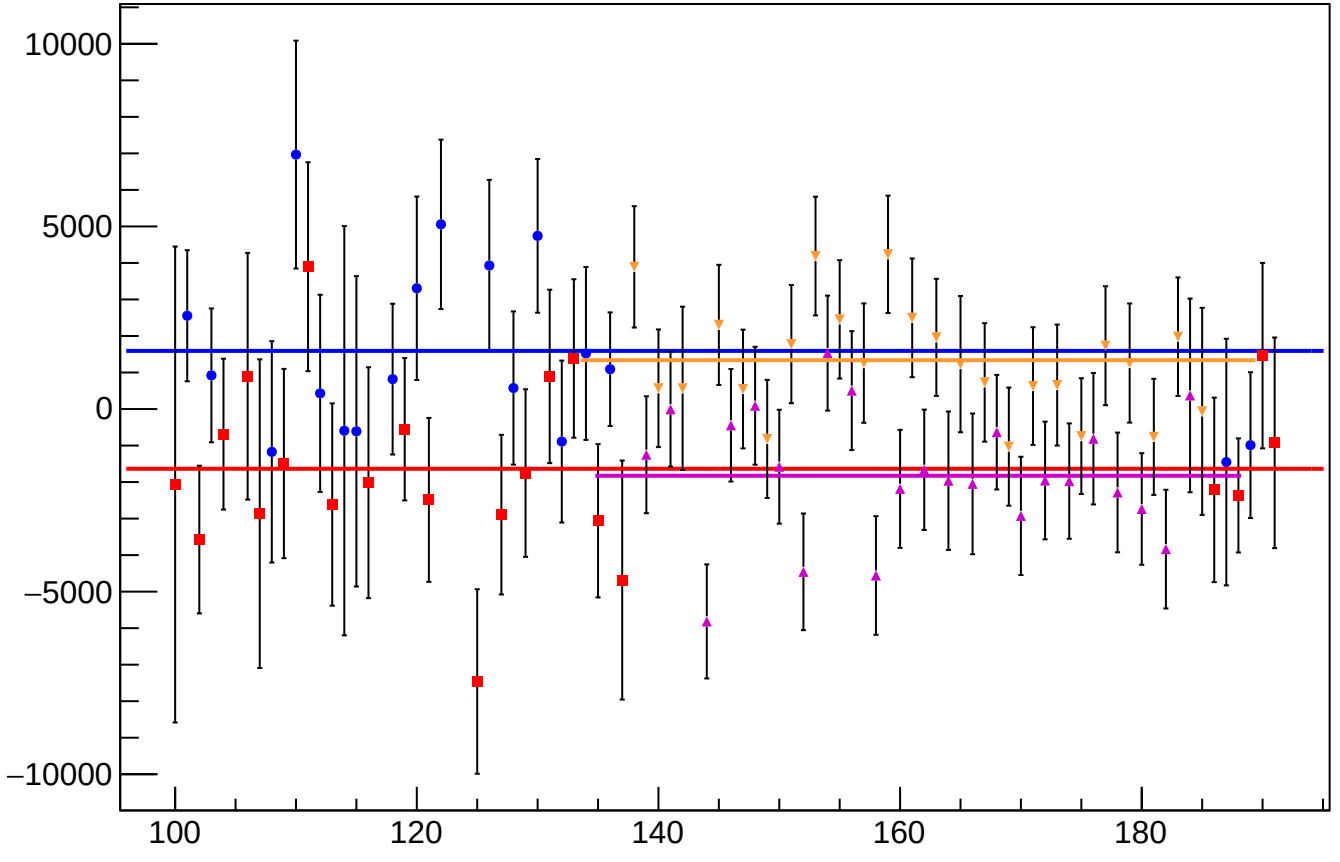
Left In: 862.298+/-0.153 χ^2/NDF:4369416.2/22

+ sign 777.366+/-0.117 χ^2/NDF: 7882309.4/41

All: 487.746+/-0.063 χ^2/NDF: 46375773.1/86

- sign 366.564+/-0.076 χ^2/NDF: 29781581.3/44

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: -1635.637+/-518.643 χ^2/NDF: 18.0/21

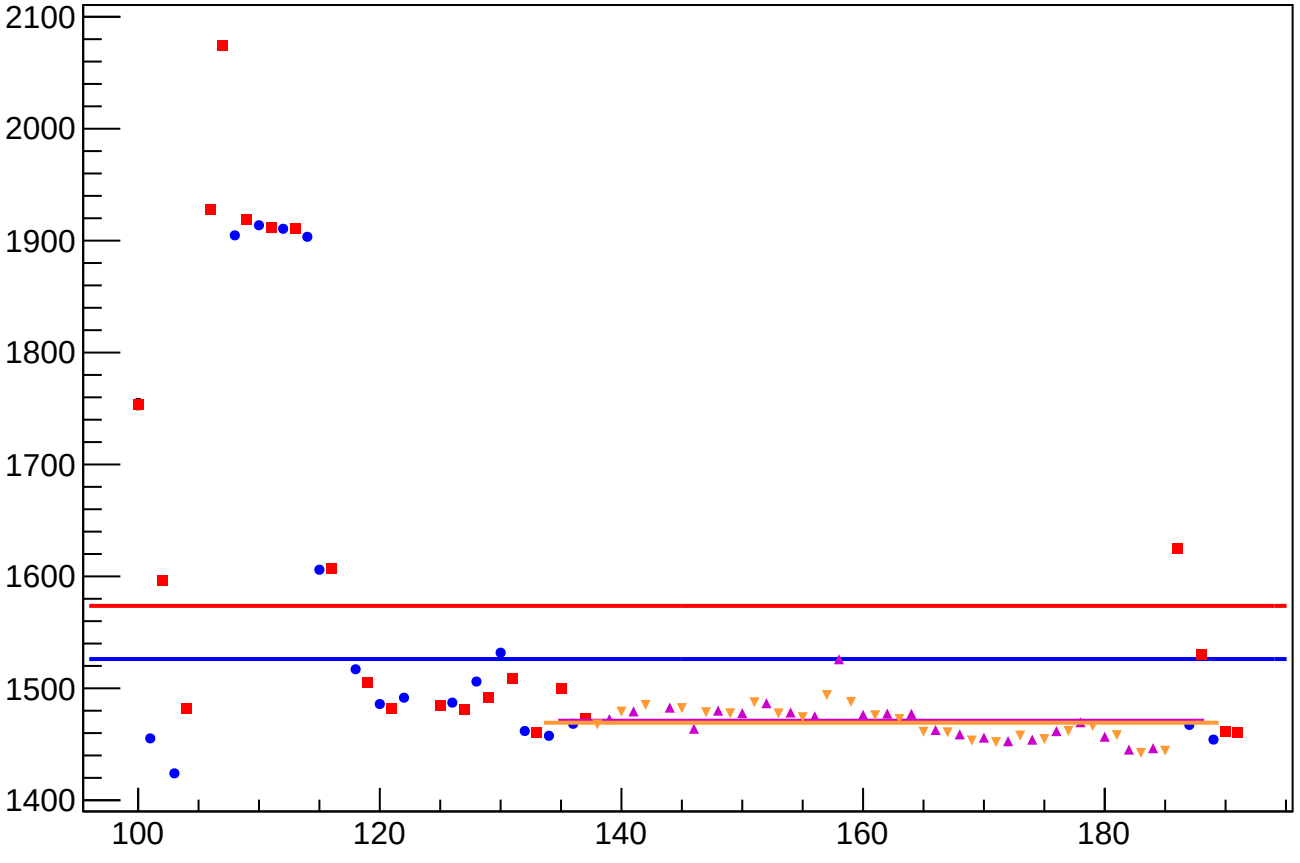
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1409.152+/-288.775 χ^2/NDF: 34.3/41

All: -192.889+/-203.341 χ^2/NDF: 139.9/86

- sign -1768.409+/-286.374 χ^2/NDF: 44.5/44

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: 1573.656+/-0.367 χ^2/NDF: 184280.3/21

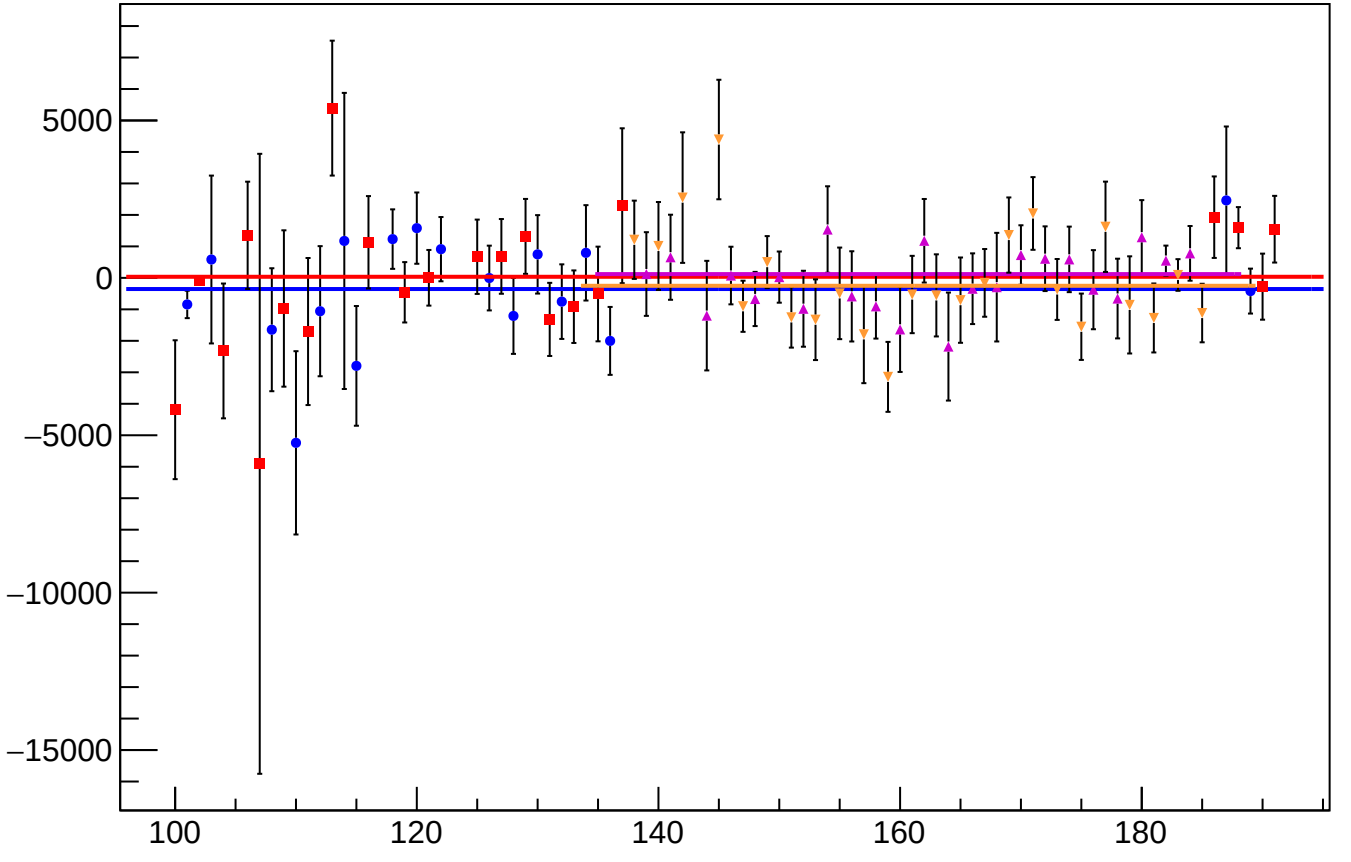
Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1485.363+/-0.204 χ^2/NDF: 151739.8/41

All: 1493.920+/-0.144 χ^2/NDF: 398553.9/86

- sign 1502.335+/-0.202 χ^2/NDF: 243330.9/44

asym_usl_atl1_avg_cor_correction_mean vs Slug



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: 34.848+/-132.284 χ^2/NDF: 29.1/21

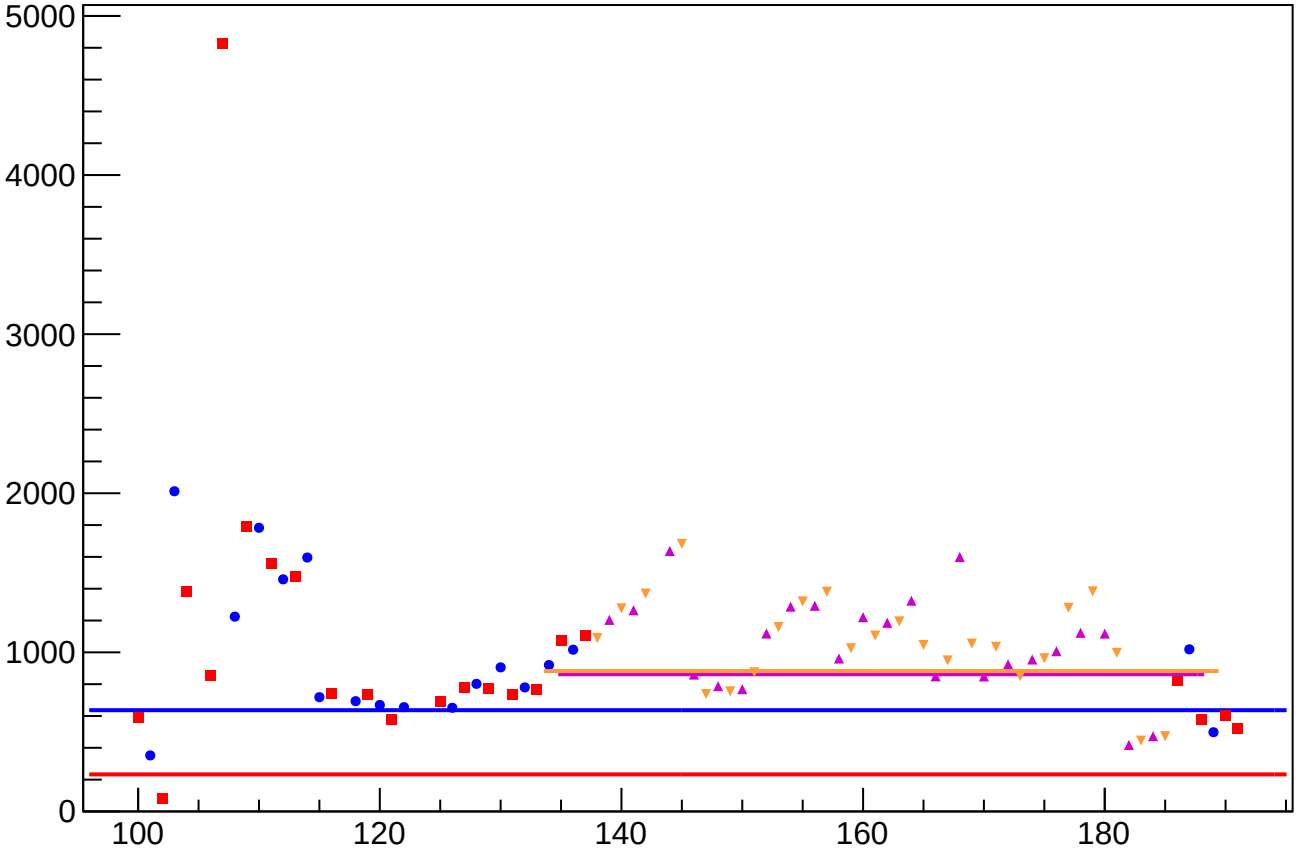
Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

+ sign -295.529+/-165.267 χ^2/NDF: 52.4/41

All: -54.336+/-93.171 χ^2/NDF: 97.6/86

- sign 58.036+/-112.806 χ^2/NDF: 42.0/44

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: 232.911+/-0.094 χ^2/NDF: 10782452.5/21

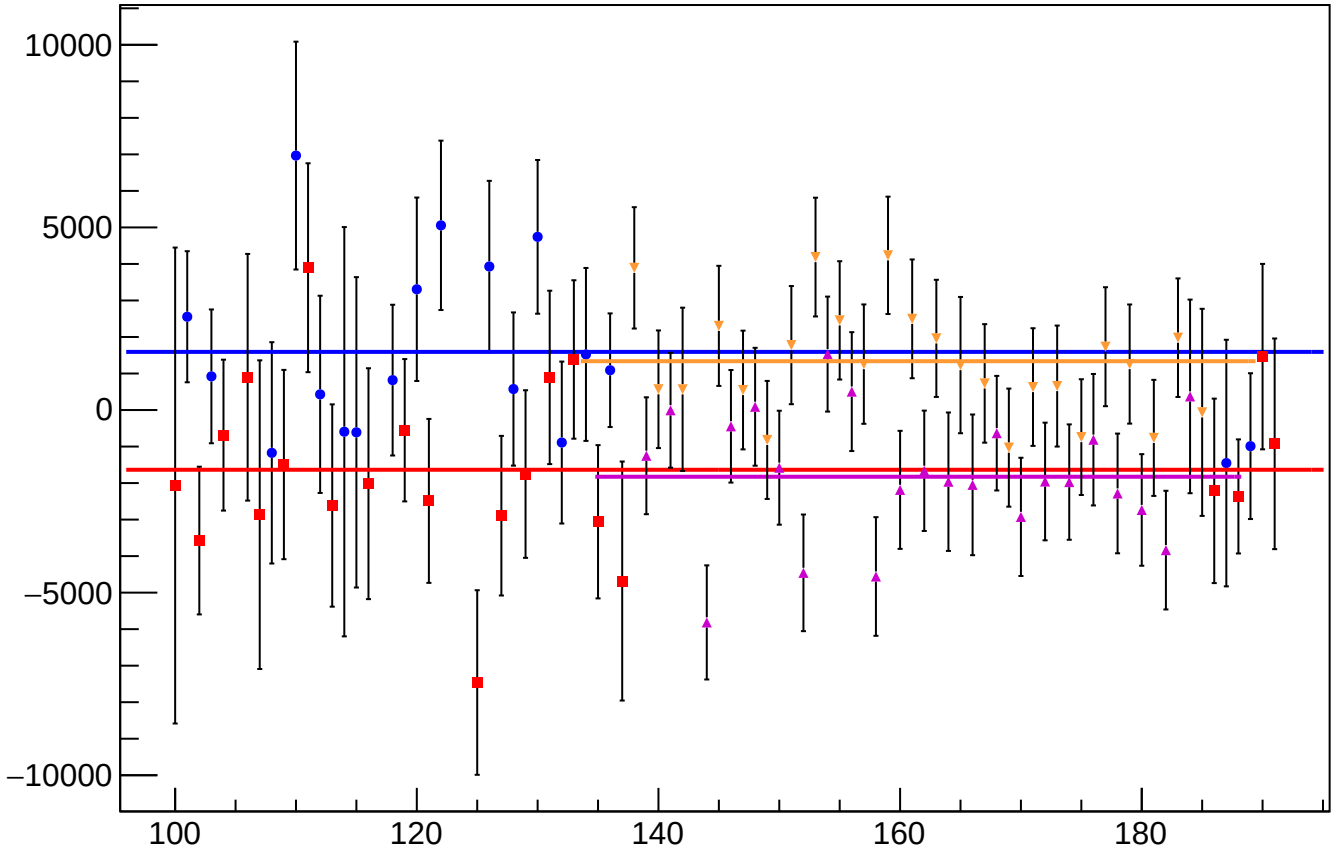
Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 777.359+/-0.117 χ^2/NDF: 7882633.9/41

All: 523.080+/-0.066 χ^2/NDF: 42326051.5/86

- sign 404.612+/-0.080 χ^2/NDF: 27503089.7/44

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: -1635.637+/-518.643 χ^2/NDF: 18.0/21

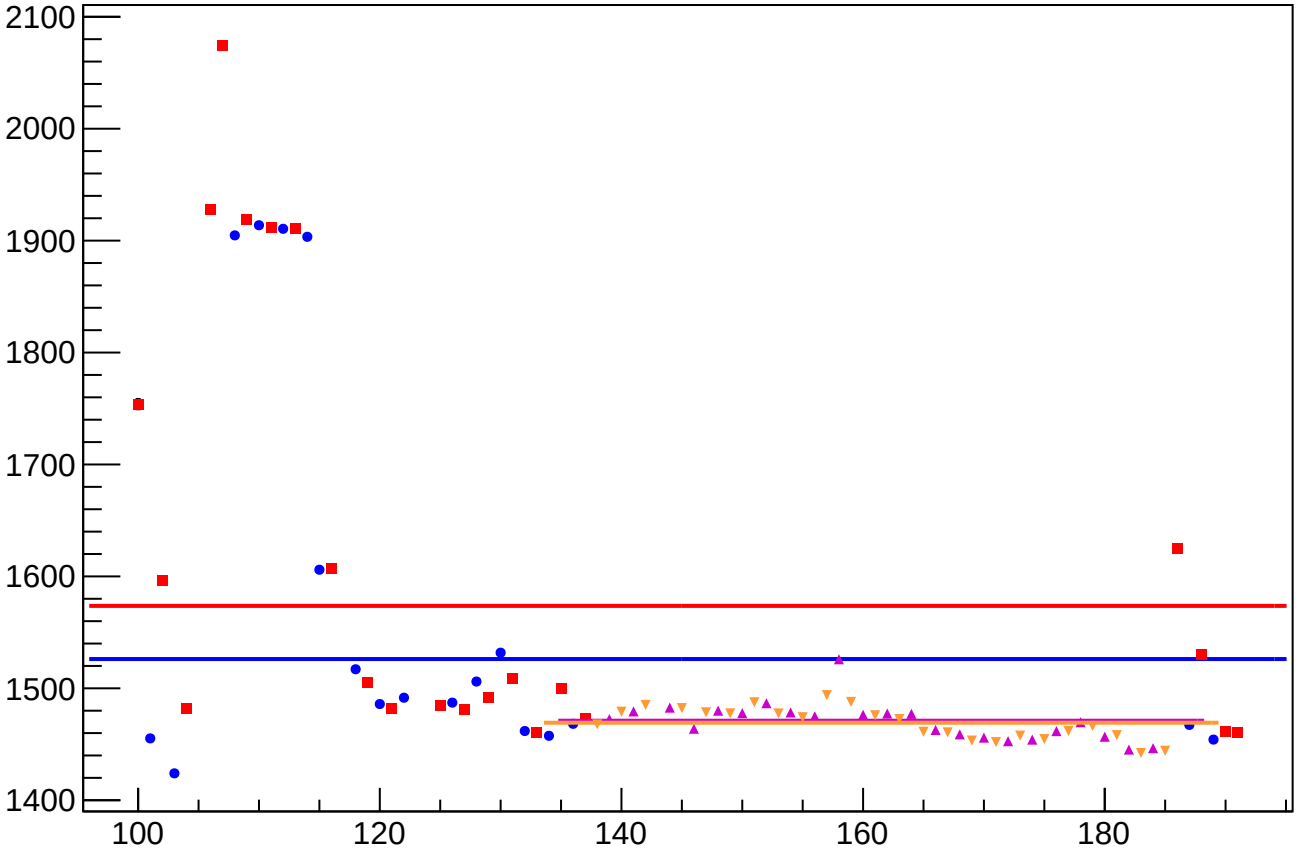
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1409.152+/-288.775 χ^2/NDF: 34.3/41

All: -192.889+/-203.341 χ^2/NDF: 139.9/86

- sign -1768.409+/-286.374 χ^2/NDF: 44.5/44

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

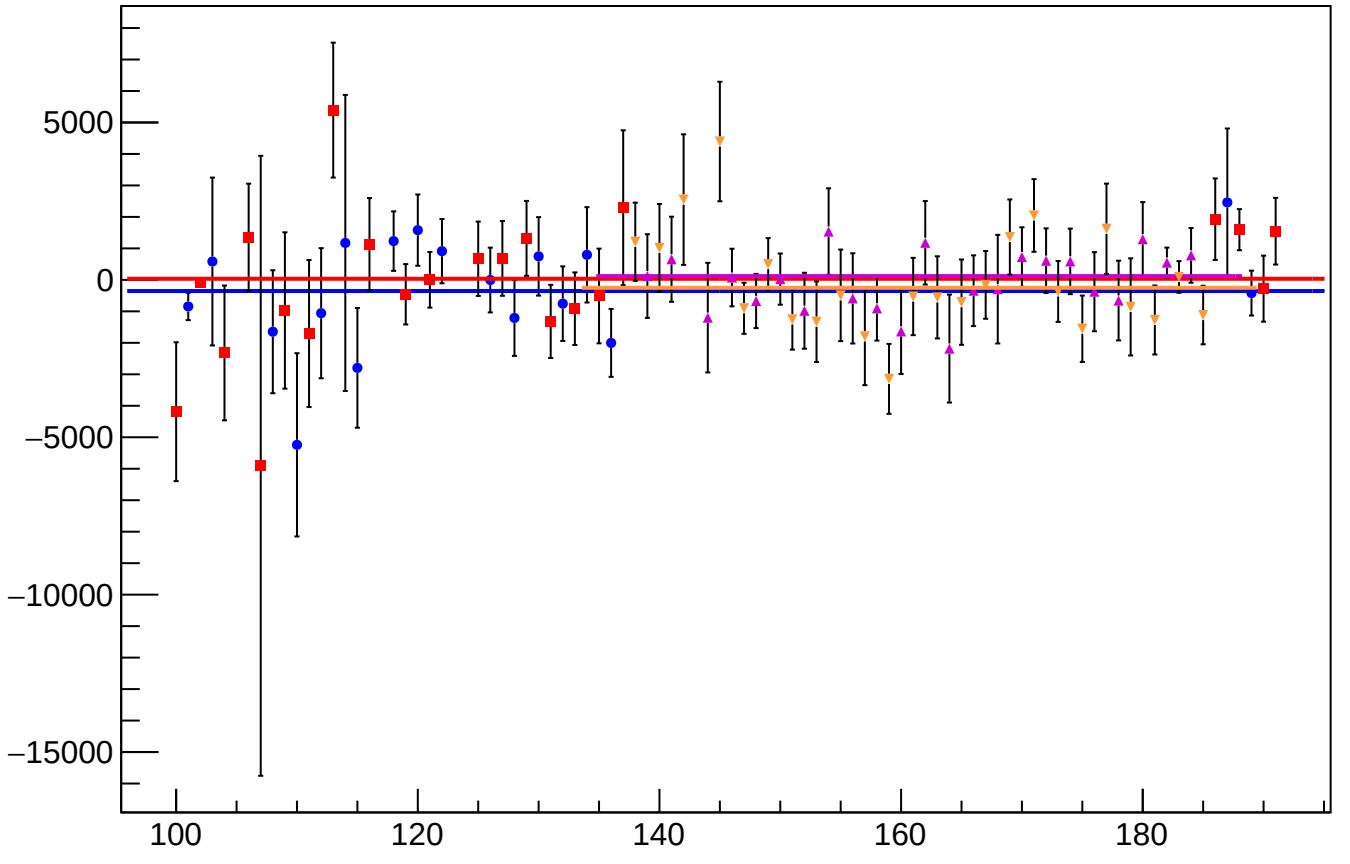
Right Out: 1573.656+/-0.367 χ^2/NDF: 184280.3/21

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1485.363+/-0.204 χ^2/NDF: 151739.8/41

All: 1493.920+/-0.144 χ^2/NDF: 398553.9/86

- sign 1502.335+/-0.202 χ^2/NDF: 243330.9/44



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: 34.848+/-132.284 χ^2/NDF: 29.1/21

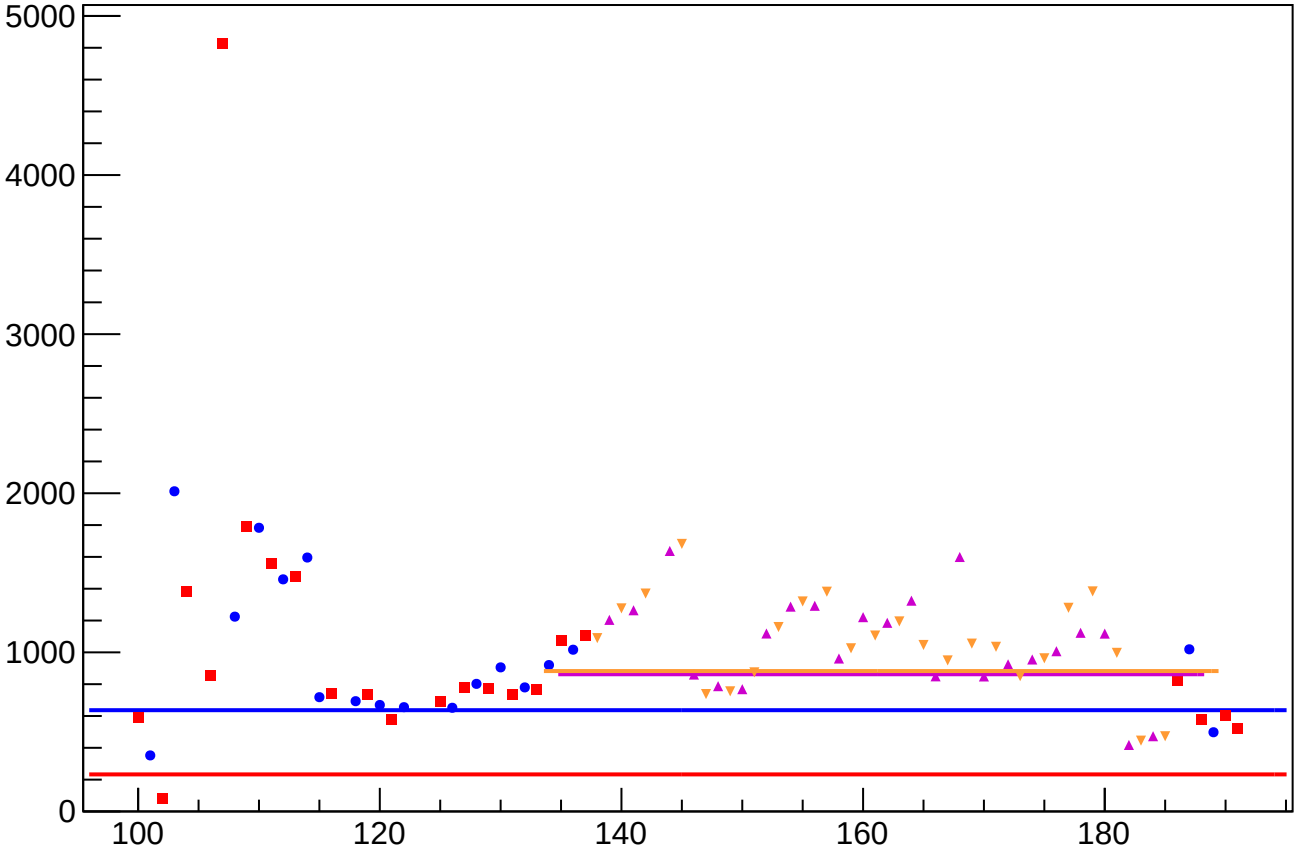
Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

+ sign -295.529+/-165.267 χ^2/NDF: 52.4/41

All: -54.336+/-93.171 χ^2/NDF: 97.6/86

- sign 58.036+/-112.806 χ^2/NDF: 42.0/44

asym_usl_atl1_avg_eigen_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: 232.911+/-0.094 χ^2/NDF: 10782452.5/21

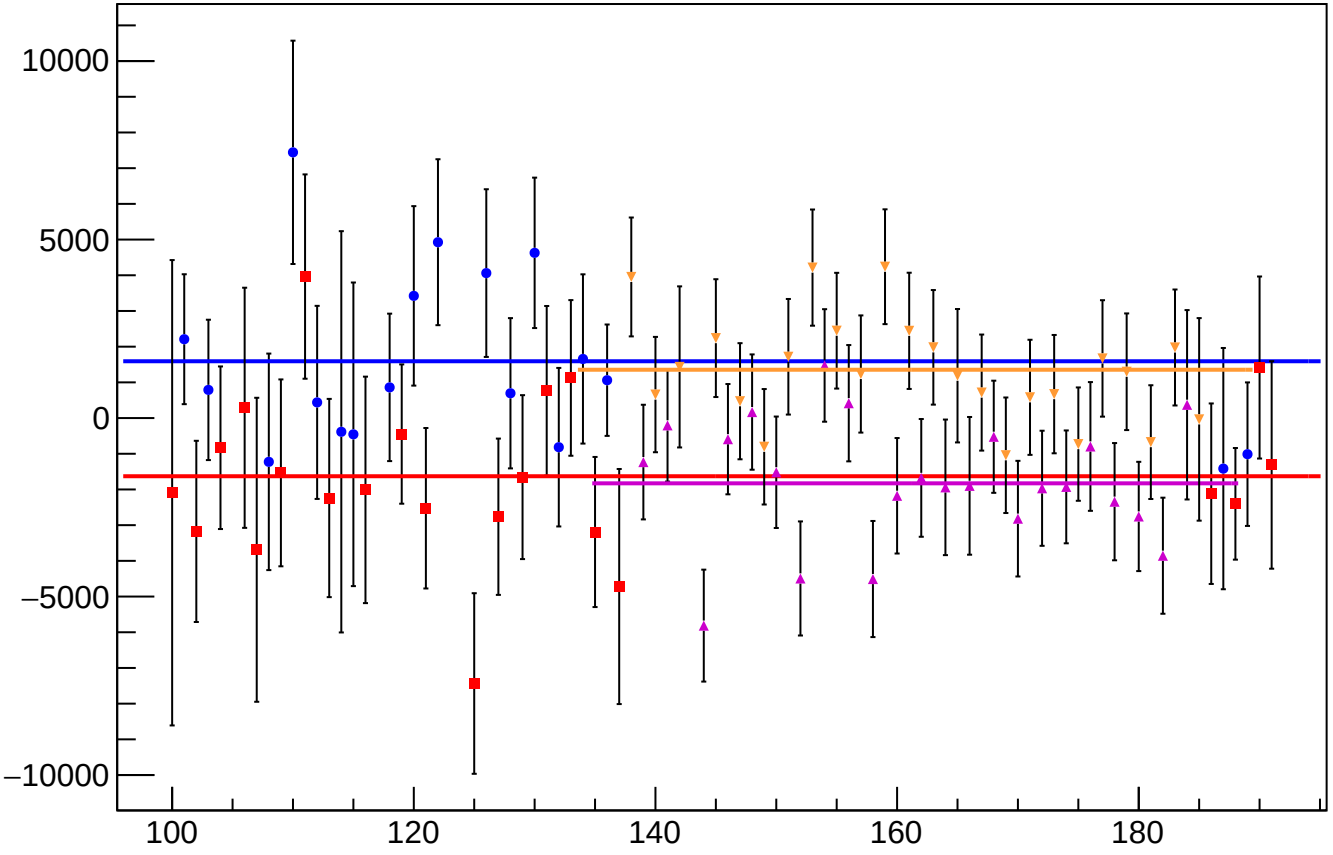
Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 777.359+/-0.117 χ^2/NDF: 7882633.9/41

All: 523.080+/-0.066 χ^2/NDF: 42326051.5/86

- sign 404.612+/-0.080 χ^2/NDF: 27503089.7/44

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: -1629.567+/-529.161 χ^2/NDF: 16.8/21

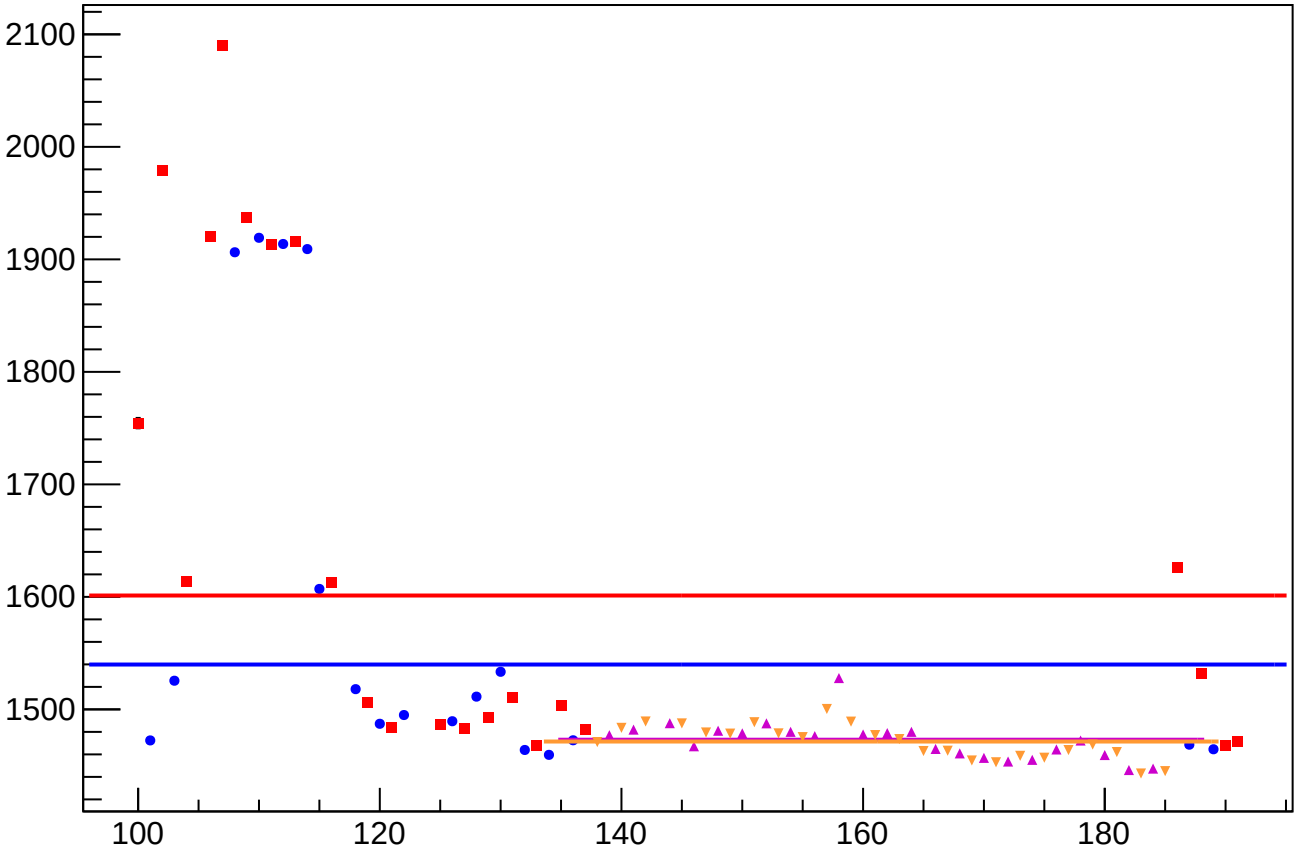
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1420.229+/-289.845 χ^2/NDF: 34.1/41

All: -182.559+/-204.433 χ^2/NDF: 137.6/86

- sign -1769.239+/-288.385 χ^2/NDF: 42.7/44

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

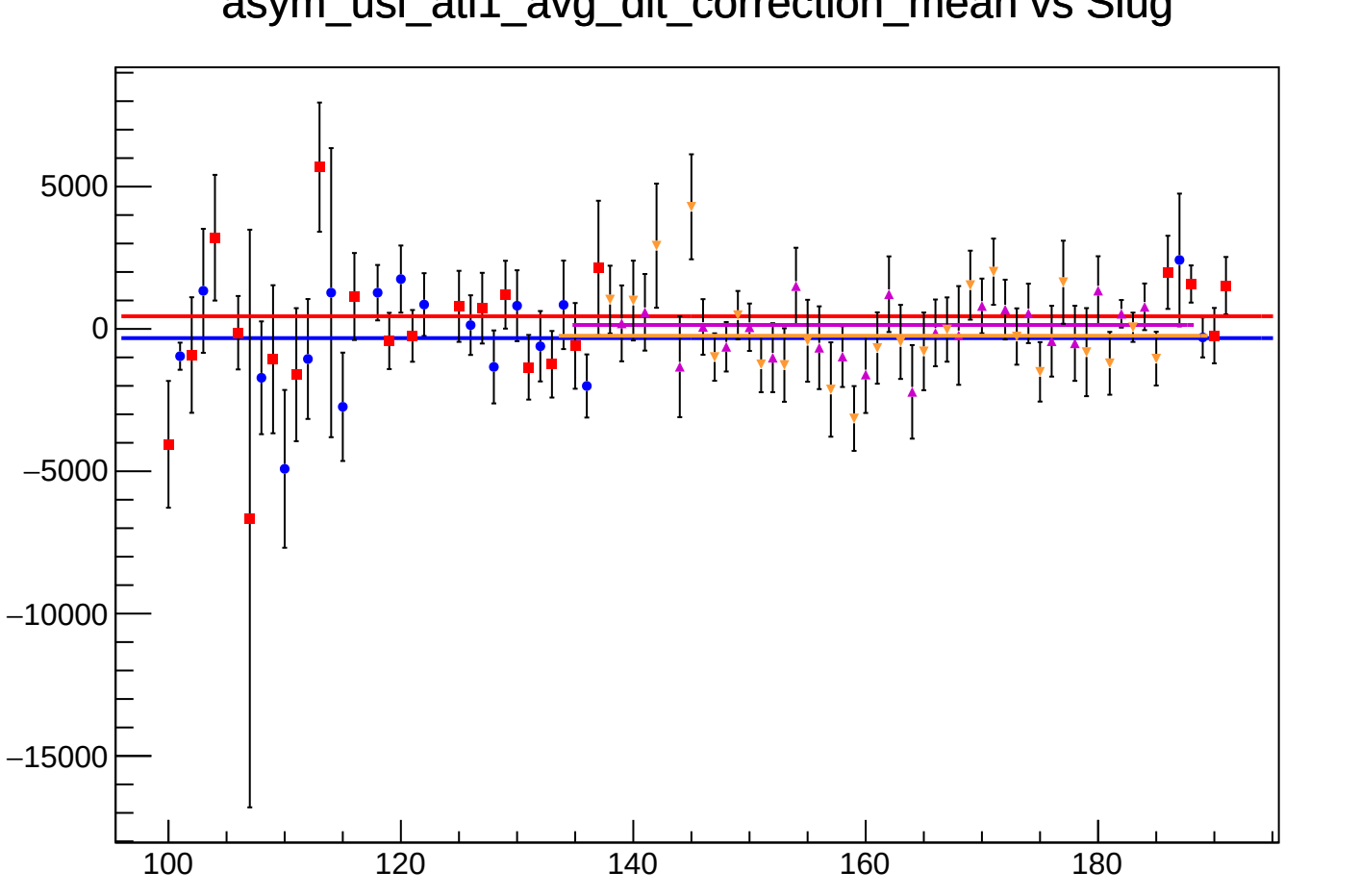
Right Out: 1601.214+/-0.374 χ^2/NDF: 227845.9/21

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1490.595+/-0.205 χ^2/NDF: 149926.6/41

All: 1500.907+/-0.145 χ^2/NDF: 470040.7/86

- sign 1511.115+/-0.204 χ^2/NDF: 315076.5/44



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: 444.476+/-271.567 χ^2/NDF: 26.9/21

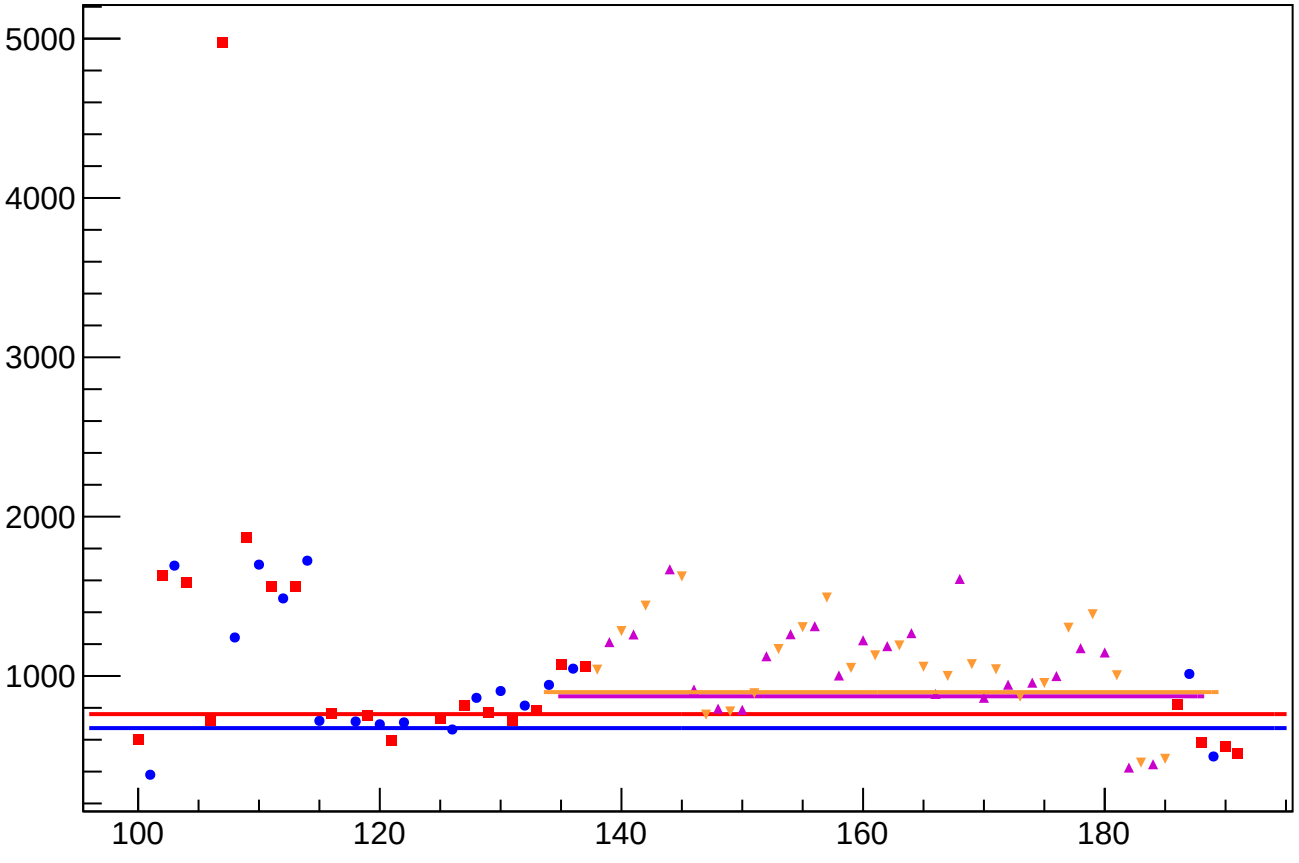
Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

\+ sign -274.649+/-169.714 χ^2/NDF: 52.8/41

All: -8.792+/-120.187 χ^2/NDF: 98.4/86

\- sign 258.677+/-170.228 χ^2/NDF: 40.7/44

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: 760.719+/-0.192 χ^2/NDF: 2402993.5/21

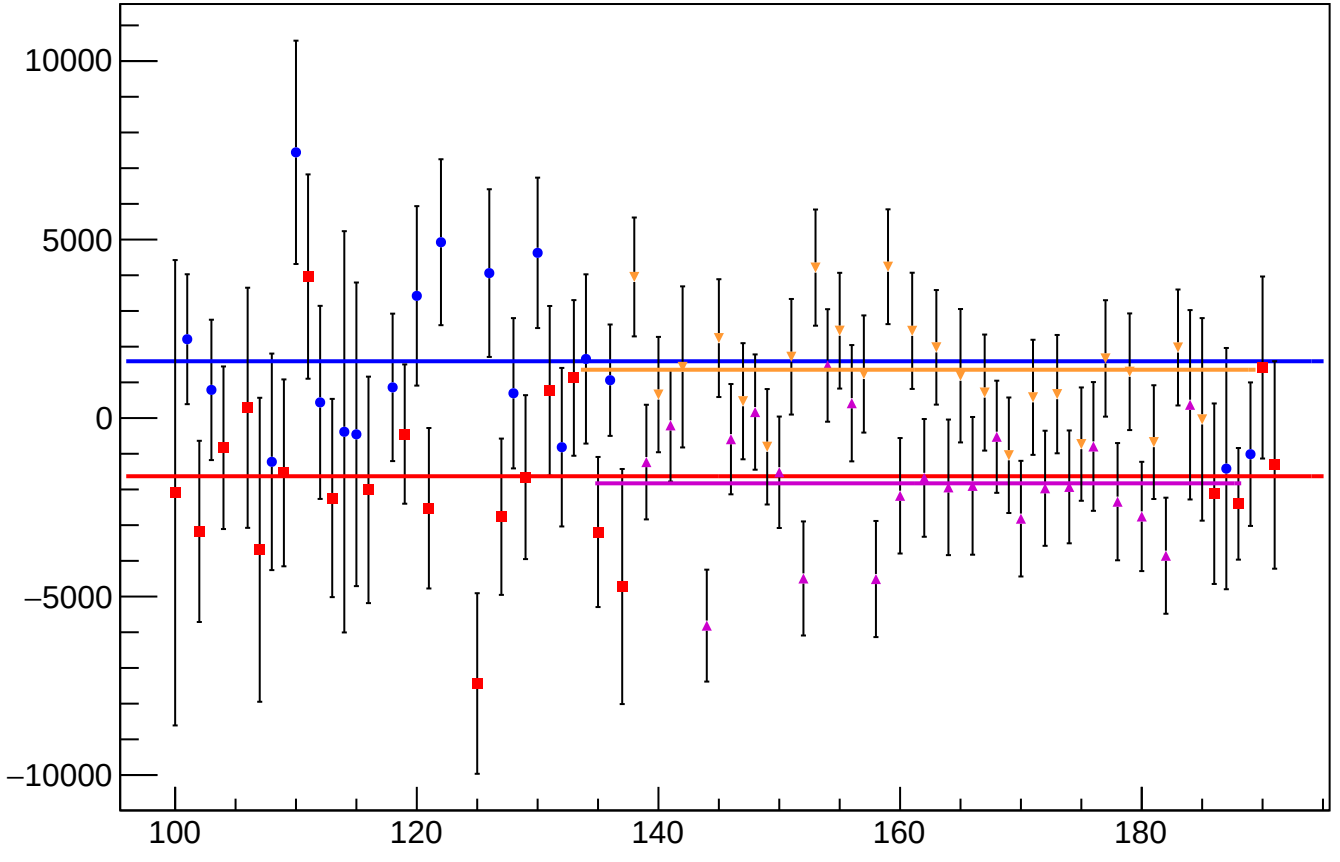
Left In: 872.472+/-0.154 χ^2/NDF:4435516.3/22

+ sign 805.234+/-0.120 χ^2/NDF: 7272780.4/41

All: 816.863+/-0.085 χ^2/NDF: 14335735.3/86

- sign 828.562+/-0.120 χ^2/NDF: 7044117.6/44

eigen_dit_asym_usl_atl1_avg_mean vs Slug



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: -1629.565+/-529.161 χ^2/NDF: 16.8/21

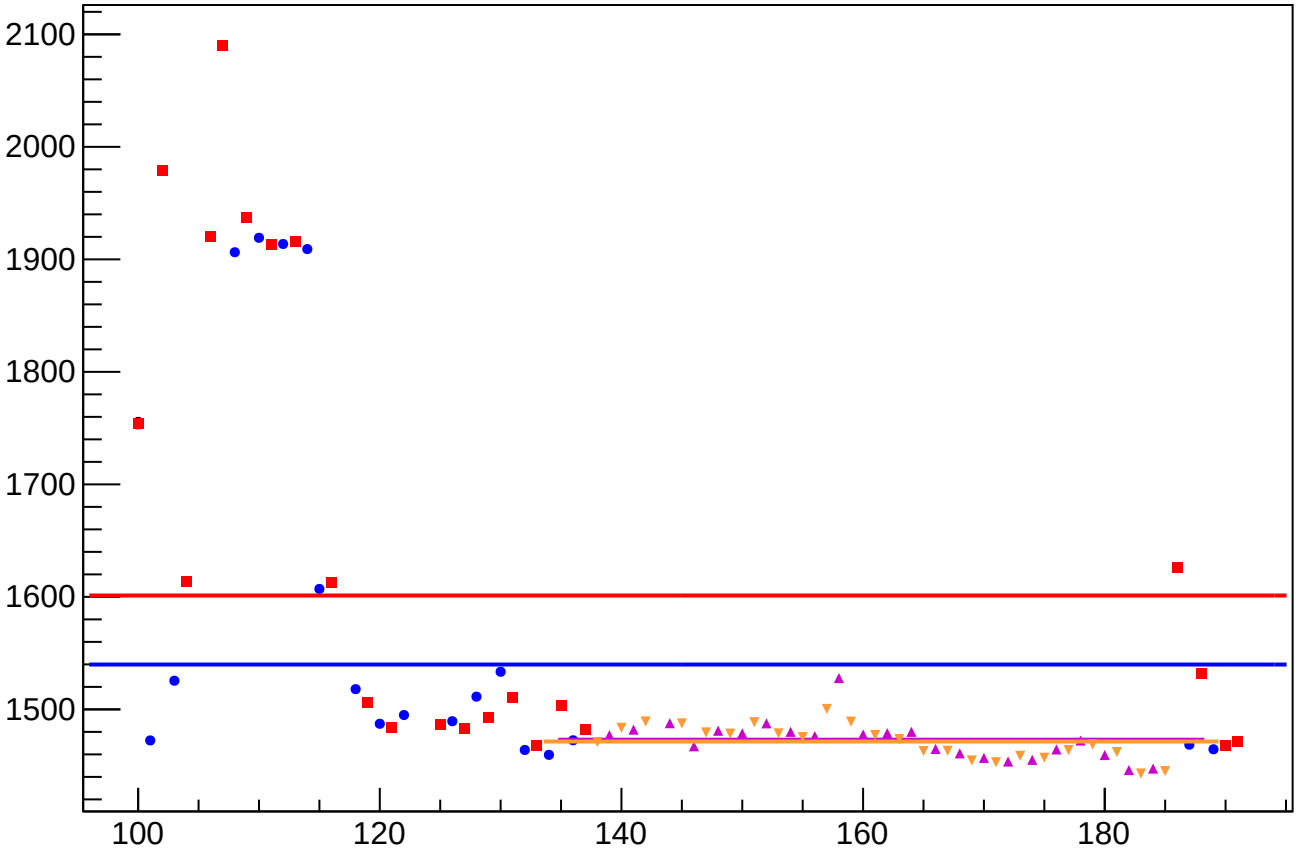
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1420.228+/-289.845 χ^2/NDF: 34.1/41

All: -182.559+/-204.433 χ^2/NDF: 137.6/86

- sign -1769.239+/-288.385 χ^2/NDF: 42.7/44

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

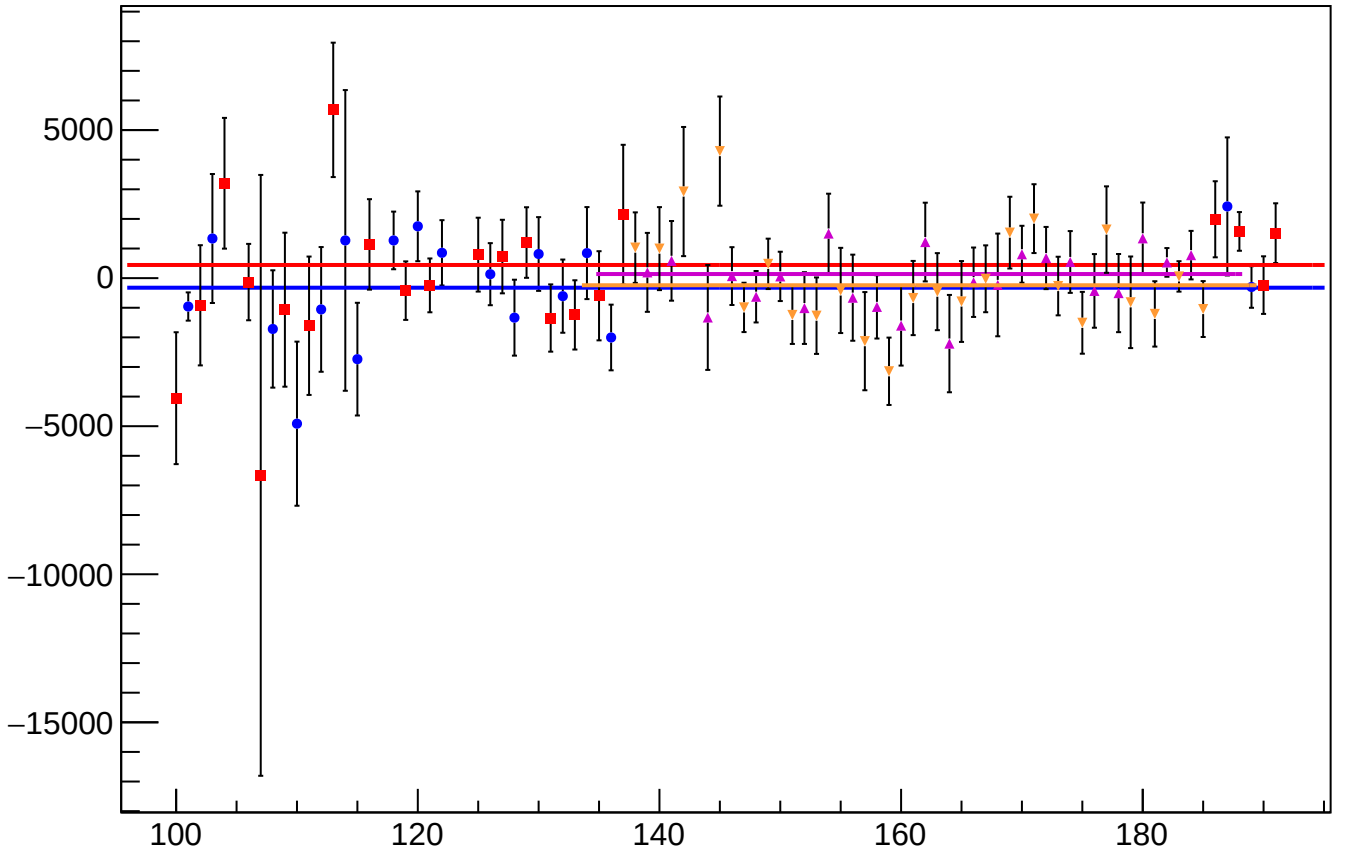
Right Out: 1601.214+/-0.374 χ^2/NDF: 227845.7/21

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1490.595+/-0.205 χ^2/NDF: 149926.5/41

All: 1500.907+/-0.145 χ^2/NDF: 470040.1/86

- sign 1511.115+/-0.204 χ^2/NDF: 315076.0/44



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: 444.475+/-271.567 χ^2/NDF: 26.9/21

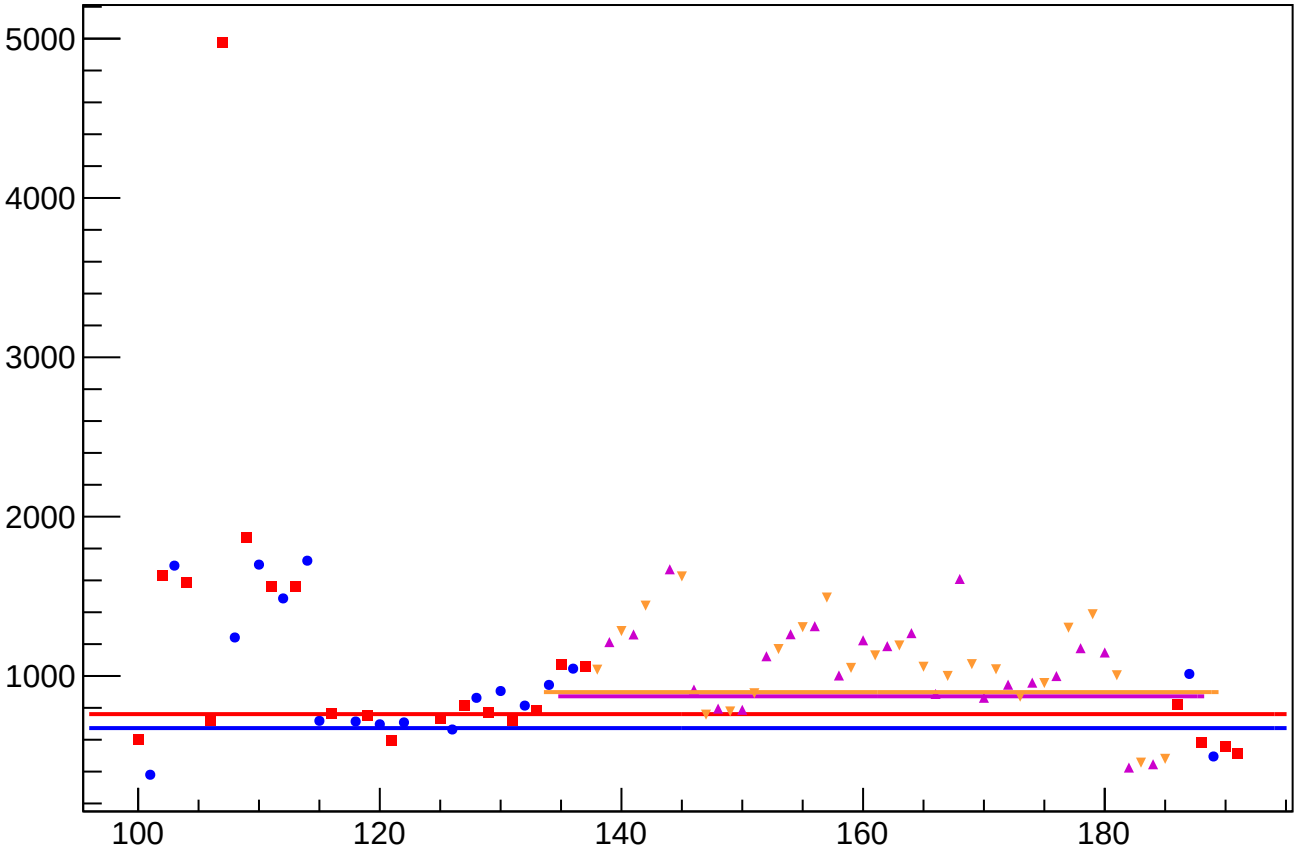
Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

+ sign -274.650+/-169.714 χ^2/NDF: 52.8/41

All: -8.792+/-120.187 χ^2/NDF: 98.4/86

- sign 258.677+/-170.228 χ^2/NDF: 40.7/44

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: 760.718+/-0.192 χ^2/NDF: 2402997.8/21

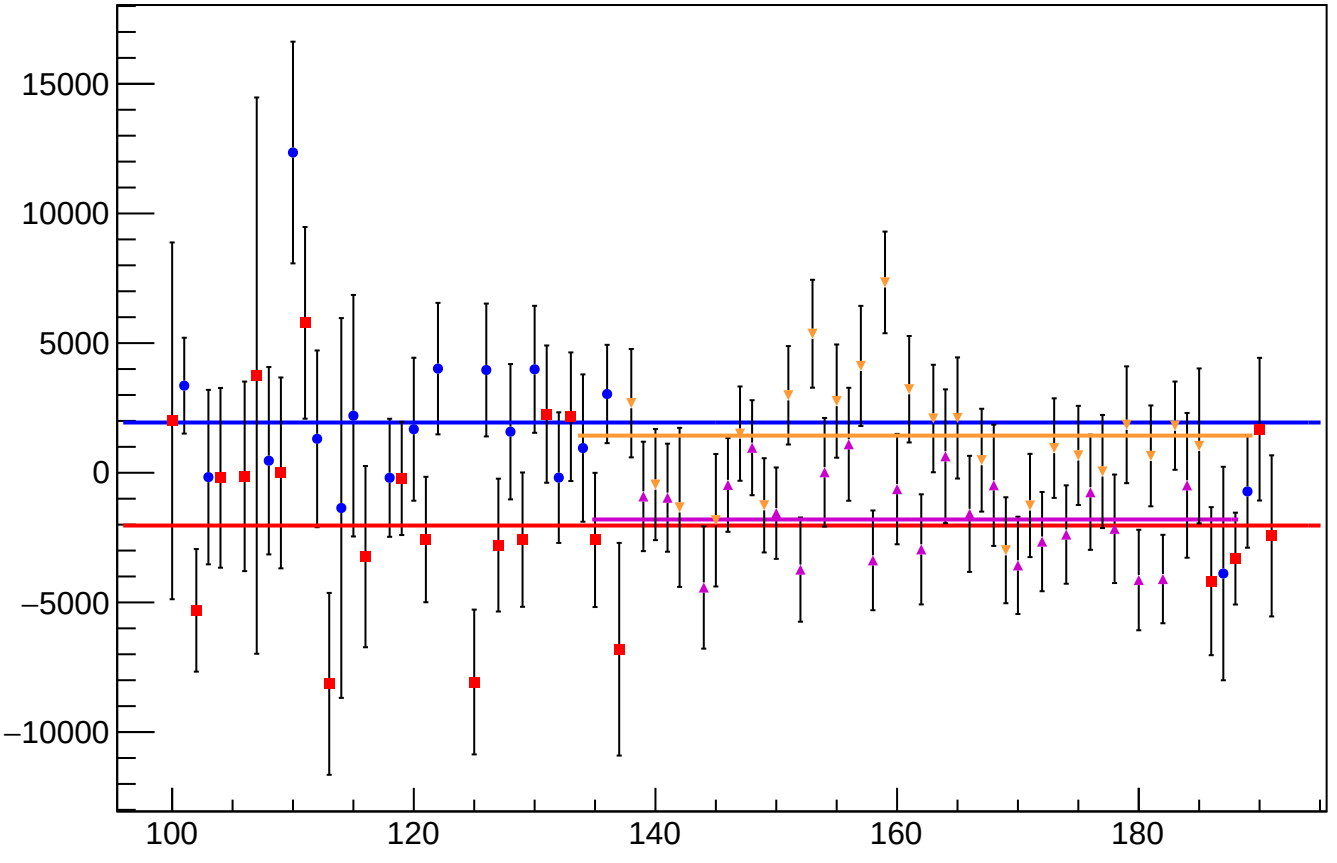
Left In: 872.473+/-0.154 χ^2/NDF:4435524.1/22

+ sign 805.234+/-0.120 χ^2/NDF: 7272788.2/41

All: 816.863+/-0.085 χ^2/NDF: 14335760.7/86

- sign 828.562+/-0.120 χ^2/NDF: 7044135.7/44

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: -2034.793+/-611.001 χ^2/NDF: 26.4/21

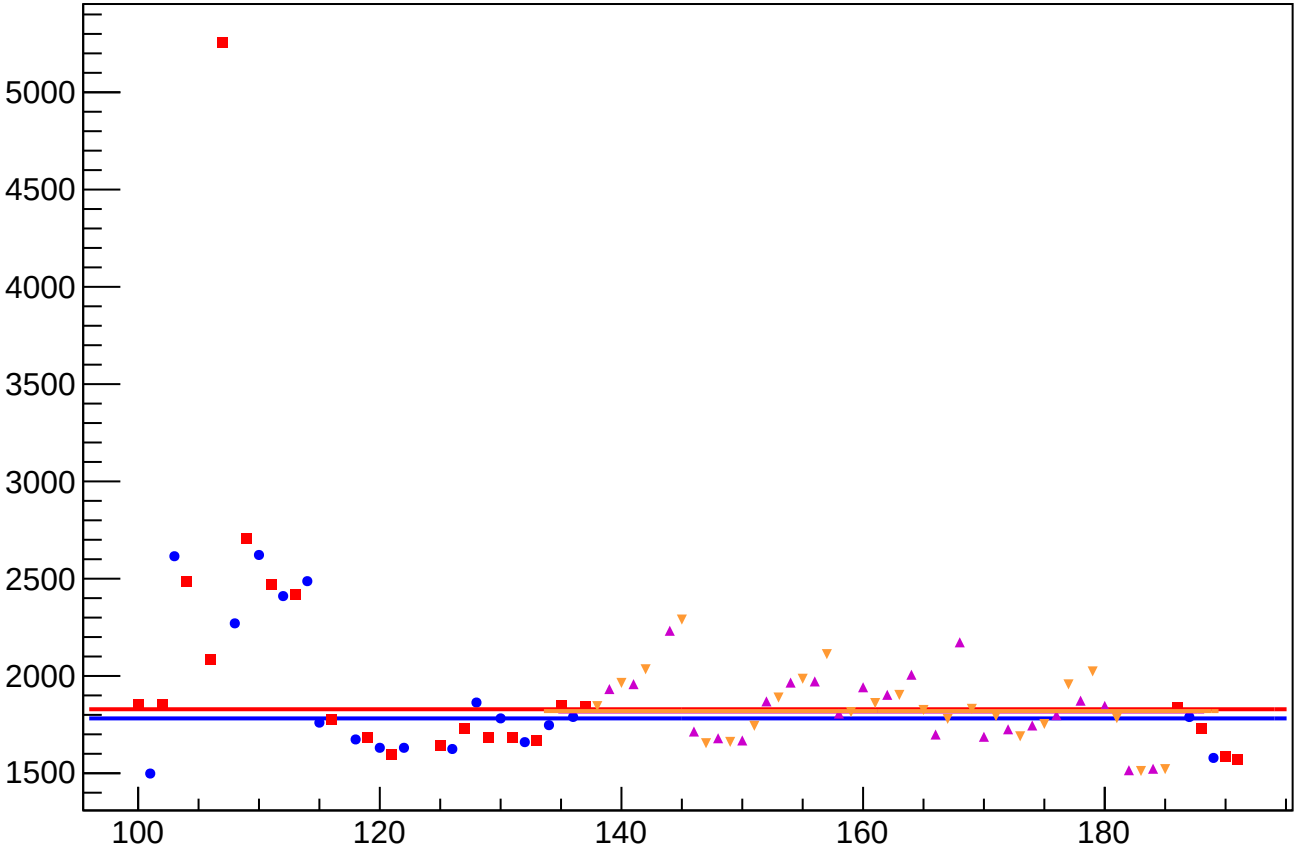
Left In: -1801.543+/-426.483 χ^2/NDF:15.3/22

+ sign 1587.608+/-353.753 χ^2/NDF: 44.7/41

All: -165.066+/-248.701 χ^2/NDF: 135.0/86

- sign -1877.956+/-349.715 χ^2/NDF: 41.8/44

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: 1828.938+/-0.432 χ^2/NDF: 613986.2/21

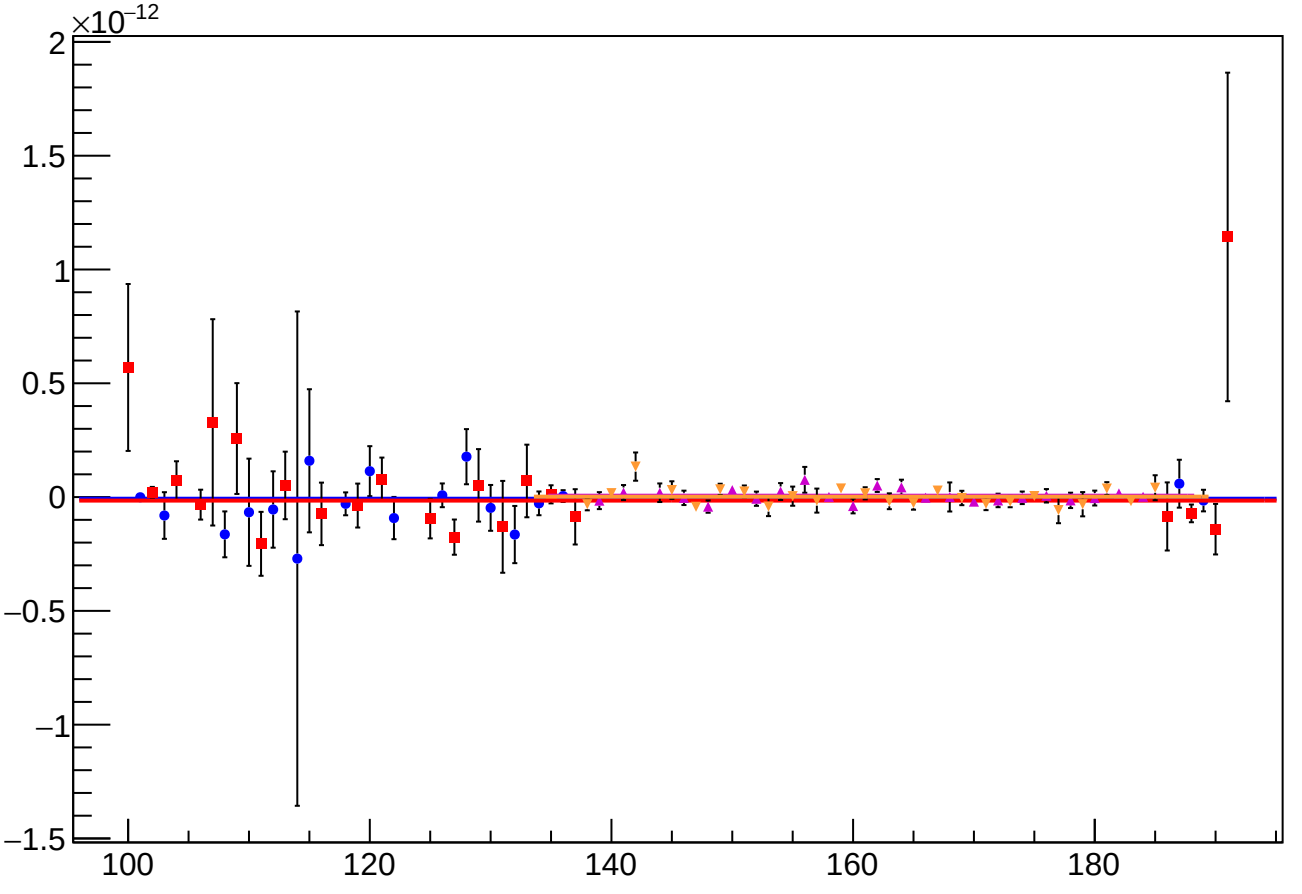
Left In: 1817.142+/-0.302 χ^2/NDF:307103.2/22

+ sign 1807.943+/-0.250 χ^2/NDF: 719700.8/41

All: 1814.550+/-0.176 χ^2/NDF: 1642670.8/86

- sign 1821.006+/-0.247 χ^2/NDF: 921590.6/44

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

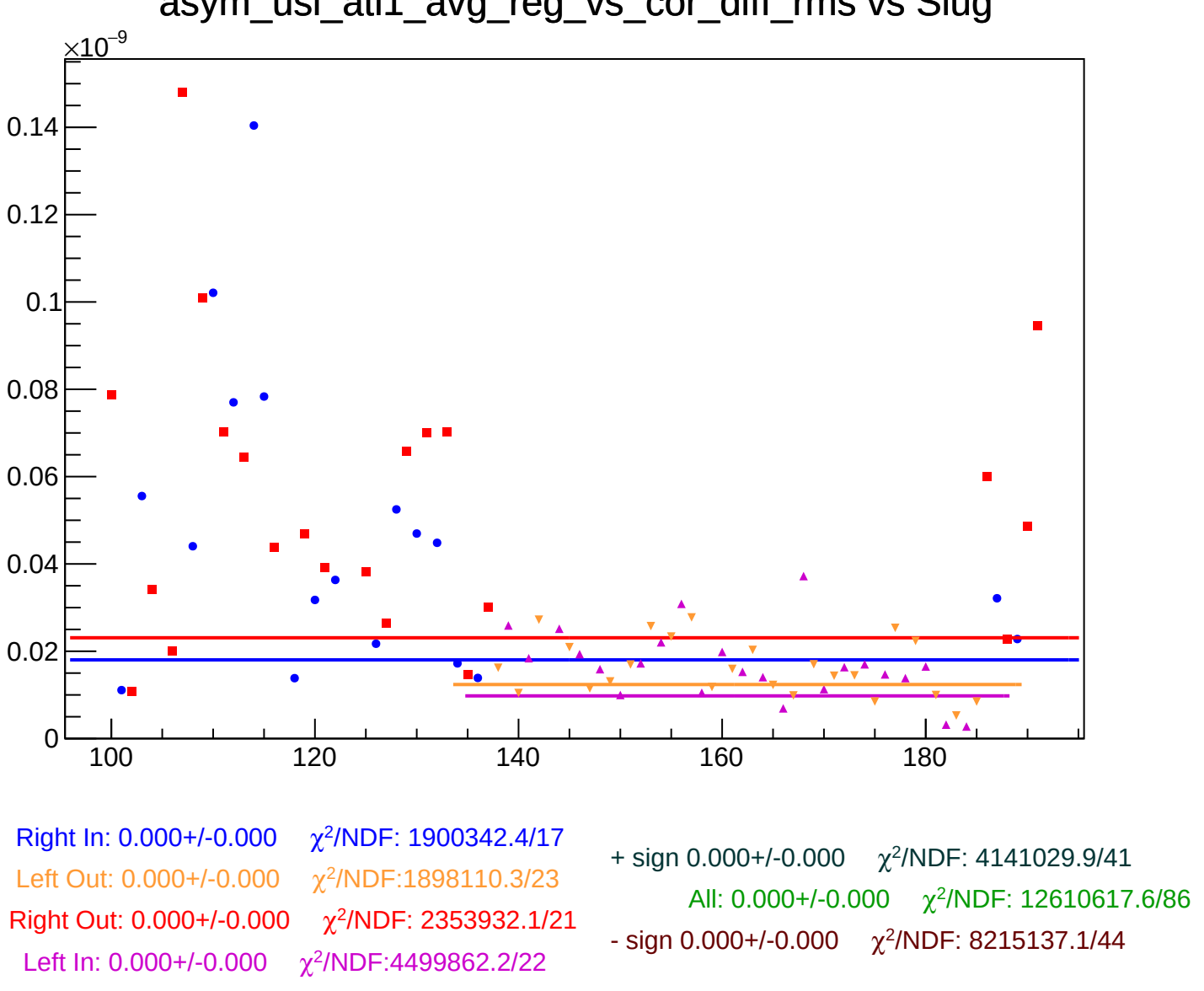
Right Out: -0.000+/-0.000 χ^2/NDF: 23.5/21

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

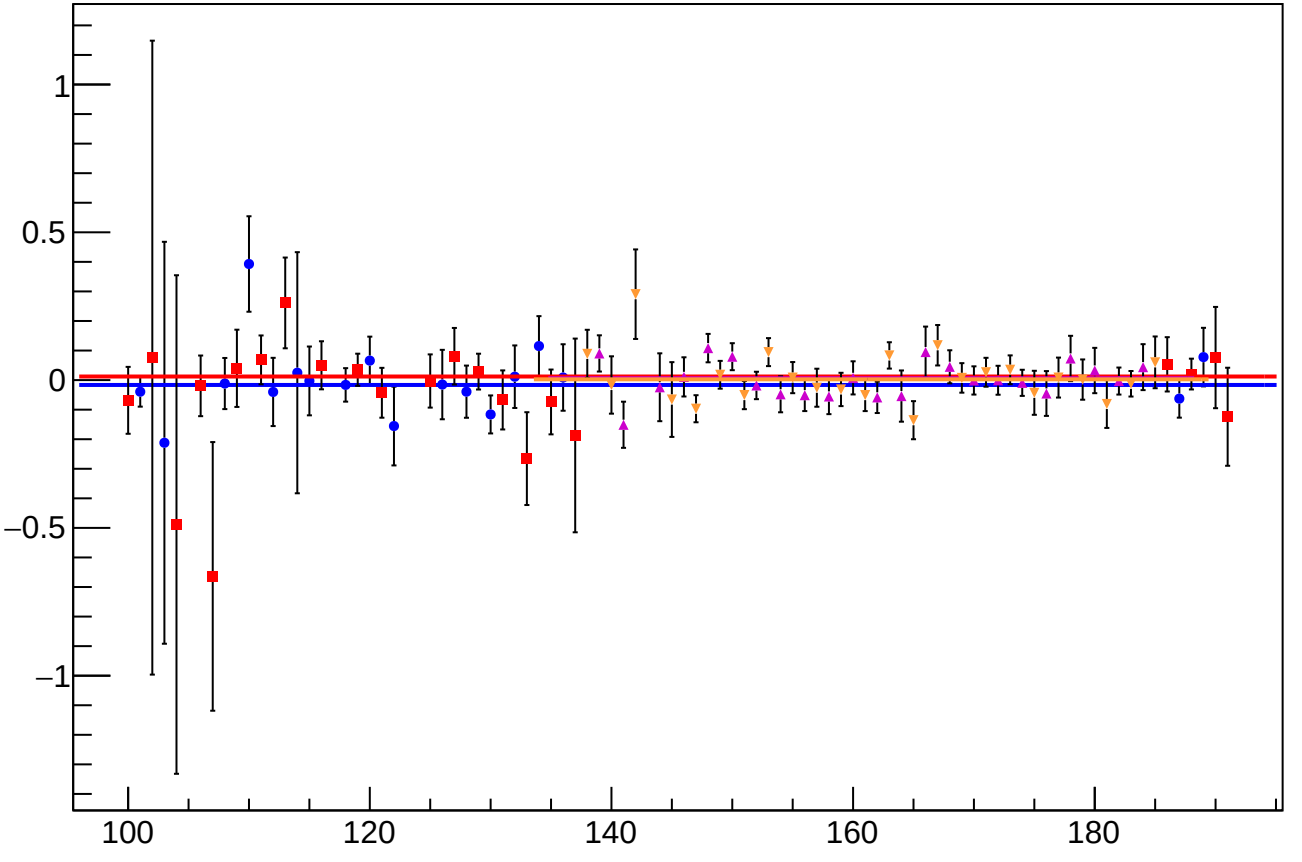
+ sign 0.000+/-0.000 χ^2/NDF: 40.4/41

All: 0.000+/-0.000 χ^2/NDF: 84.0/86

- sign 0.000+/-0.000 χ^2/NDF: 43.2/44


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
120
140
160
180
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: 2353932.1/21
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: 12610617.6/86
- sign 0.000+/-0.000 χ²/NDF: 8215137.1/44

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: 0.012+/-0.021 χ^2/NDF: 13.5/21

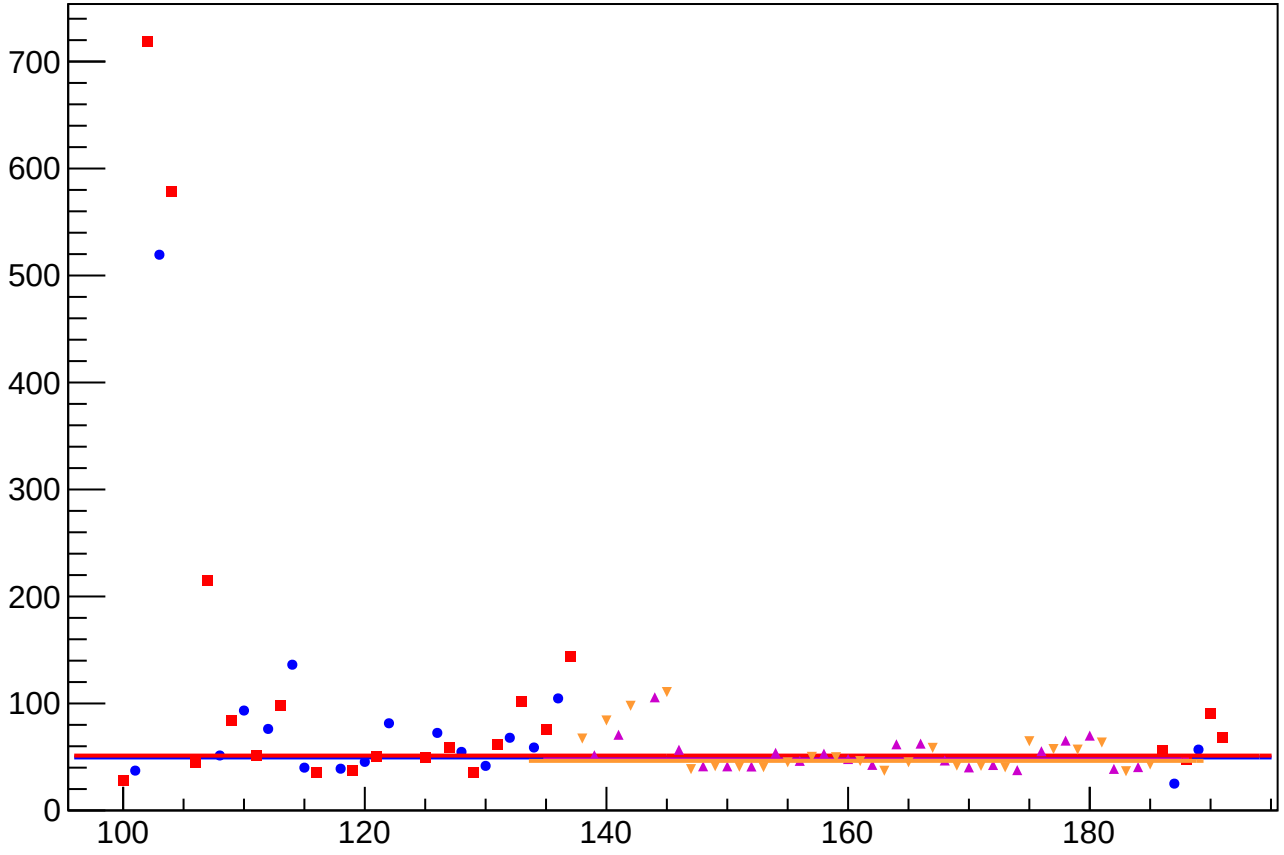
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.002+/-0.010 χ^2/NDF: 45.1/41

All: 0.003+/-0.007 χ^2/NDF: 80.8/86

- sign 0.008+/-0.010 χ^2/NDF: 35.2/44

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

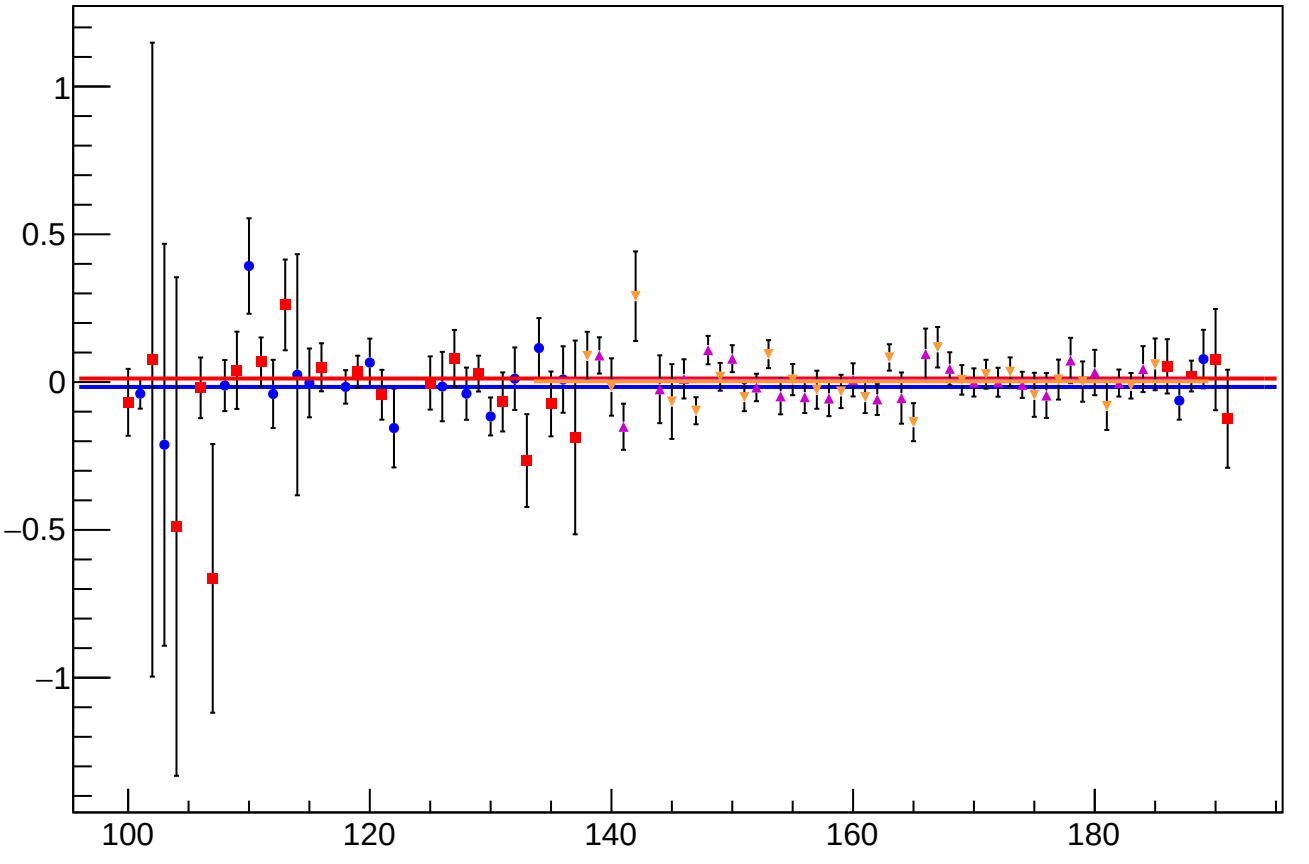
Right Out: 51.277+/-0.015 χ^2/NDF: 3191908.3/21

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

+ sign 47.135+/-0.007 χ^2/NDF: 4597661.3/41

All: 47.823+/-0.005 χ^2/NDF: 9431613.7/86

- sign 48.527+/-0.007 χ^2/NDF: 4816011.6/44



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: 0.012+/-0.021 χ^2/NDF: 13.5/21

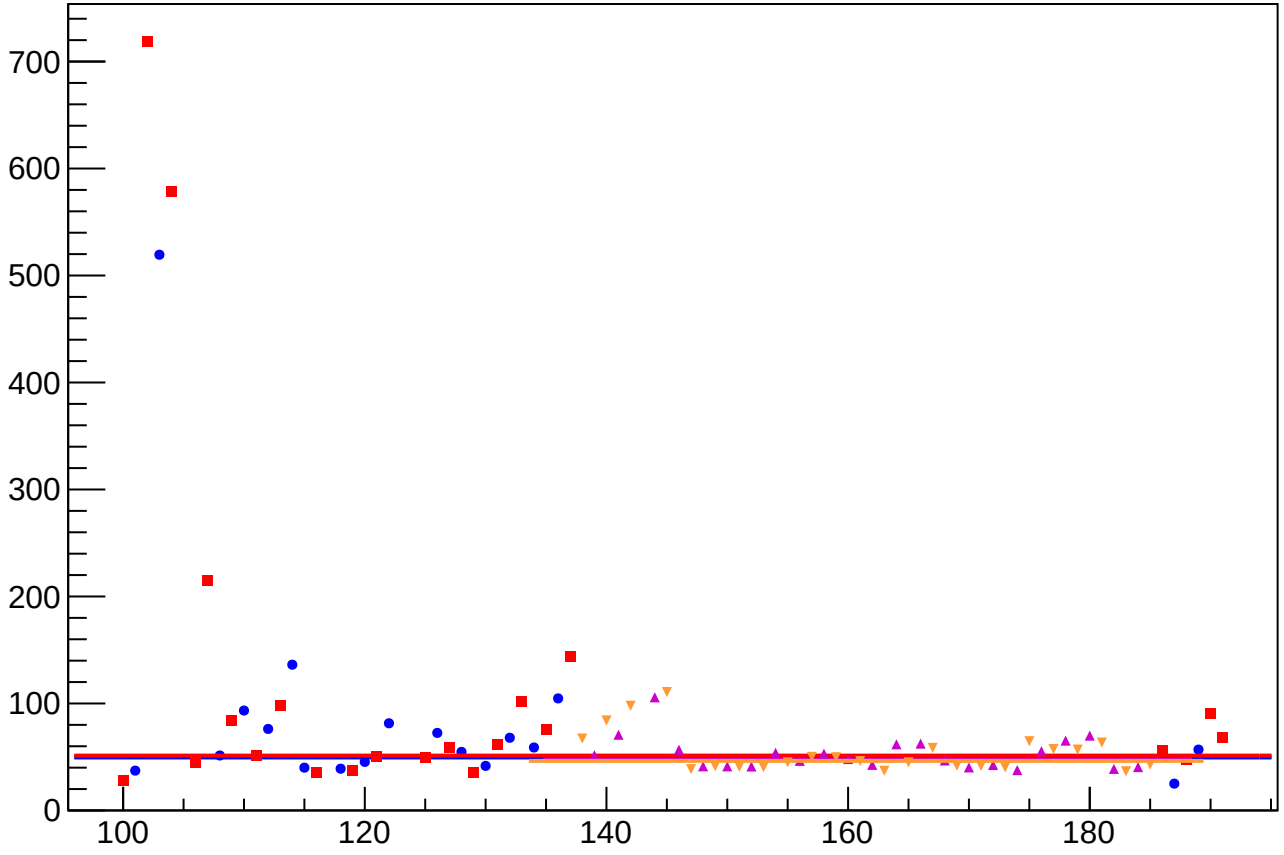
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.002+/-0.010 χ^2/NDF: 45.1/41

All: 0.003+/-0.007 χ^2/NDF: 80.8/86

- sign 0.008+/-0.010 χ^2/NDF: 35.2/44

asym_usl_atl1_avg_dit_vs_eigen_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

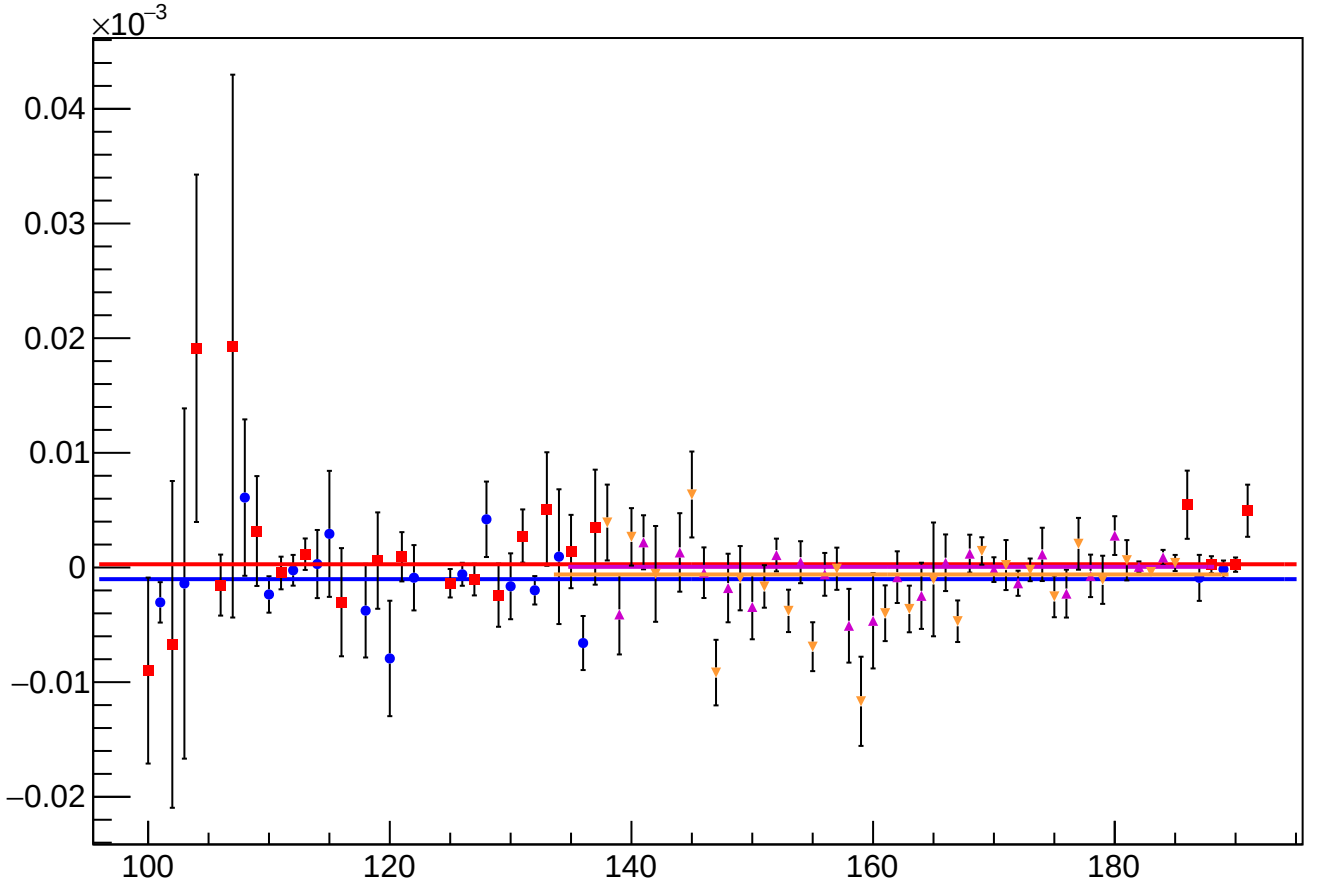
Right Out: 51.277+/-0.015 χ^2/NDF: 3191908.3/21

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

+ sign 47.135+/-0.007 χ^2/NDF: 4597661.3/41

All: 47.823+/-0.005 χ^2/NDF: 9431613.7/86

- sign 48.527+/-0.007 χ^2/NDF: 4816011.6/44



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: 19.4/21

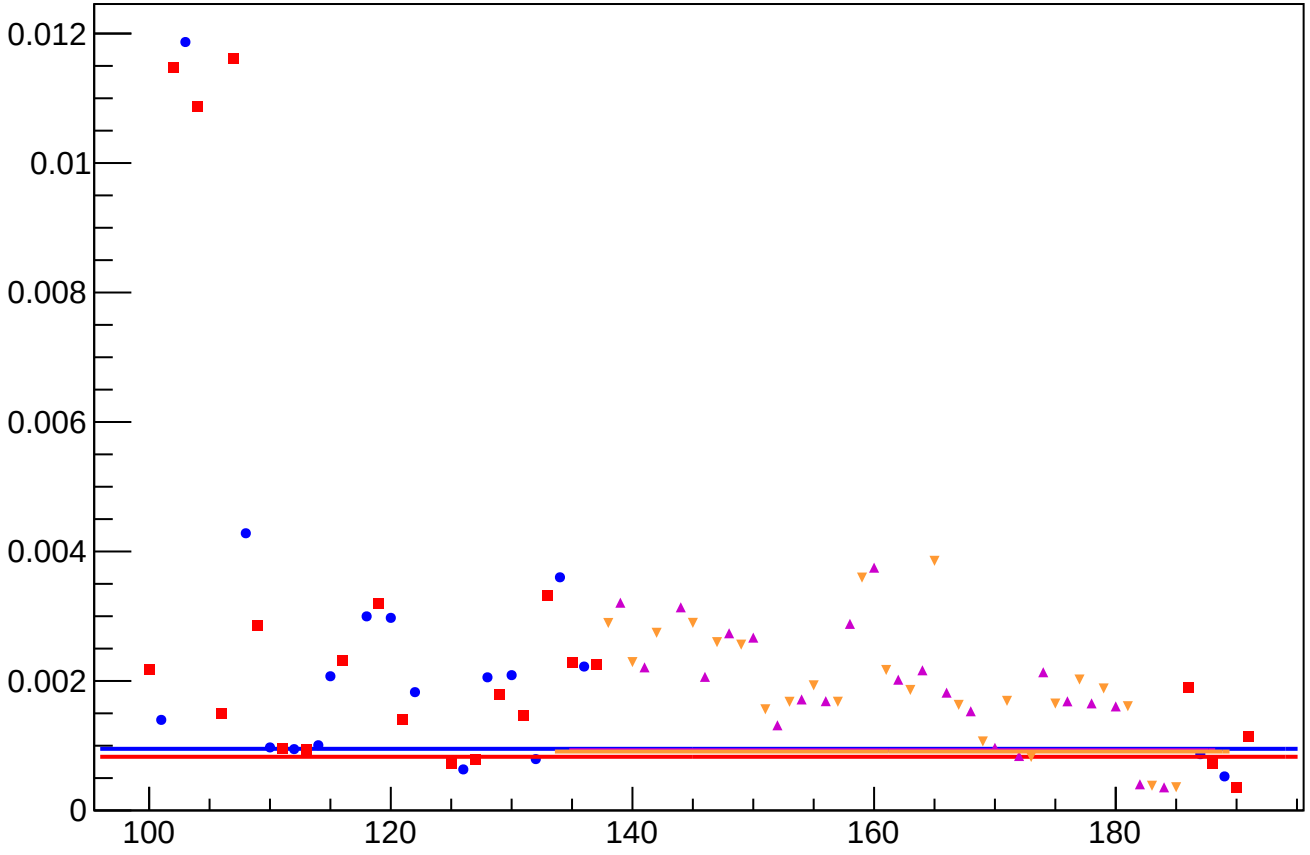
Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 71.4/41

All: -0.000+/-0.000 χ^2/NDF: 116.5/86

- sign 0.000+/-0.000 χ^2/NDF: 37.5/44

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 5107853.9/17

Left Out: 0.001+/-0.000 χ^2/NDF:14137356.3/23

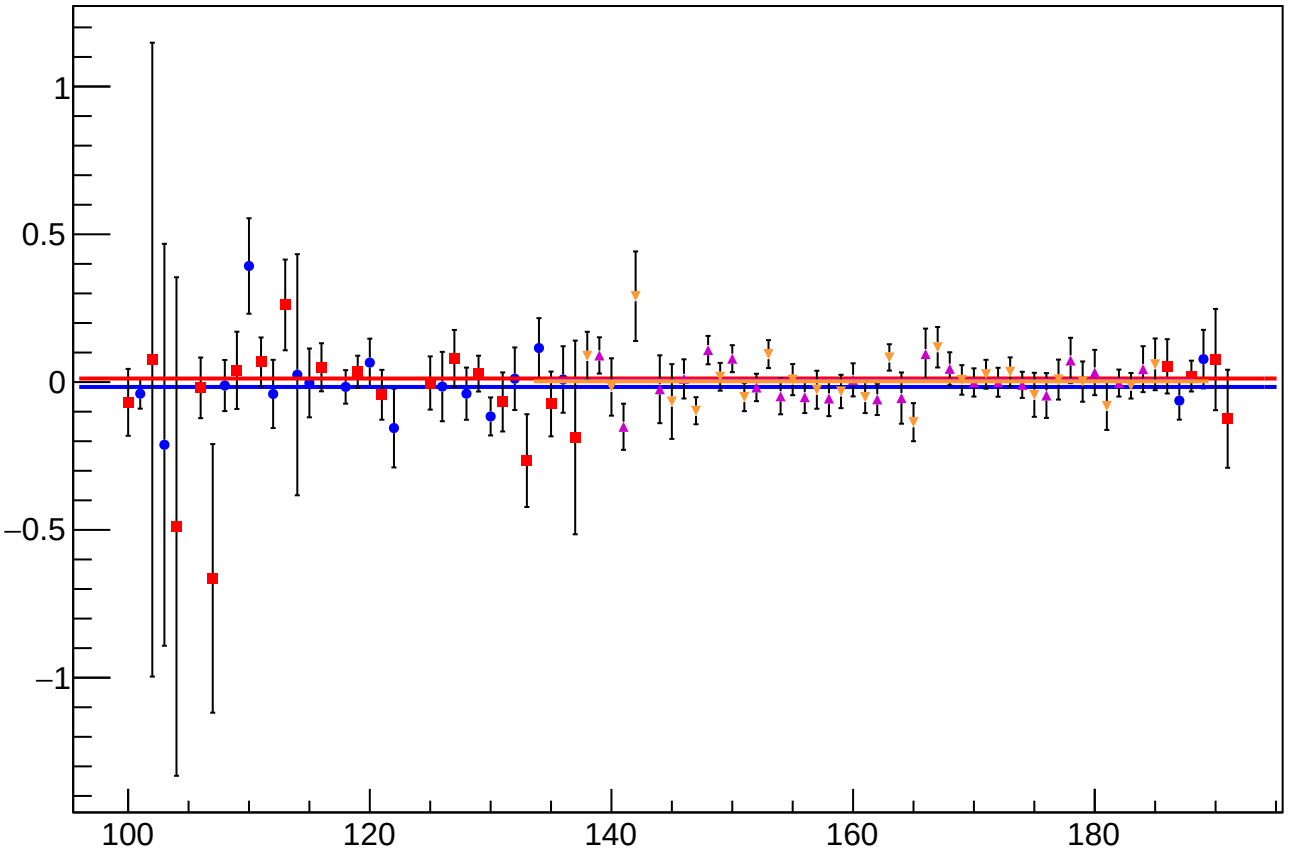
Right Out: 0.001+/-0.000 χ^2/NDF: 6935674.2/21

Left In: 0.001+/-0.000 χ^2/NDF:13690985.6/22

+ sign 0.001+/-0.000 χ^2/NDF: 19259047.7/41

All: 0.001+/-0.000 χ^2/NDF: 40005672.6/86

- sign 0.001+/-0.000 χ^2/NDF: 20727242.8/44



Right In: -0.016+/-0.021 χ^2/NDF: 14.6/17

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

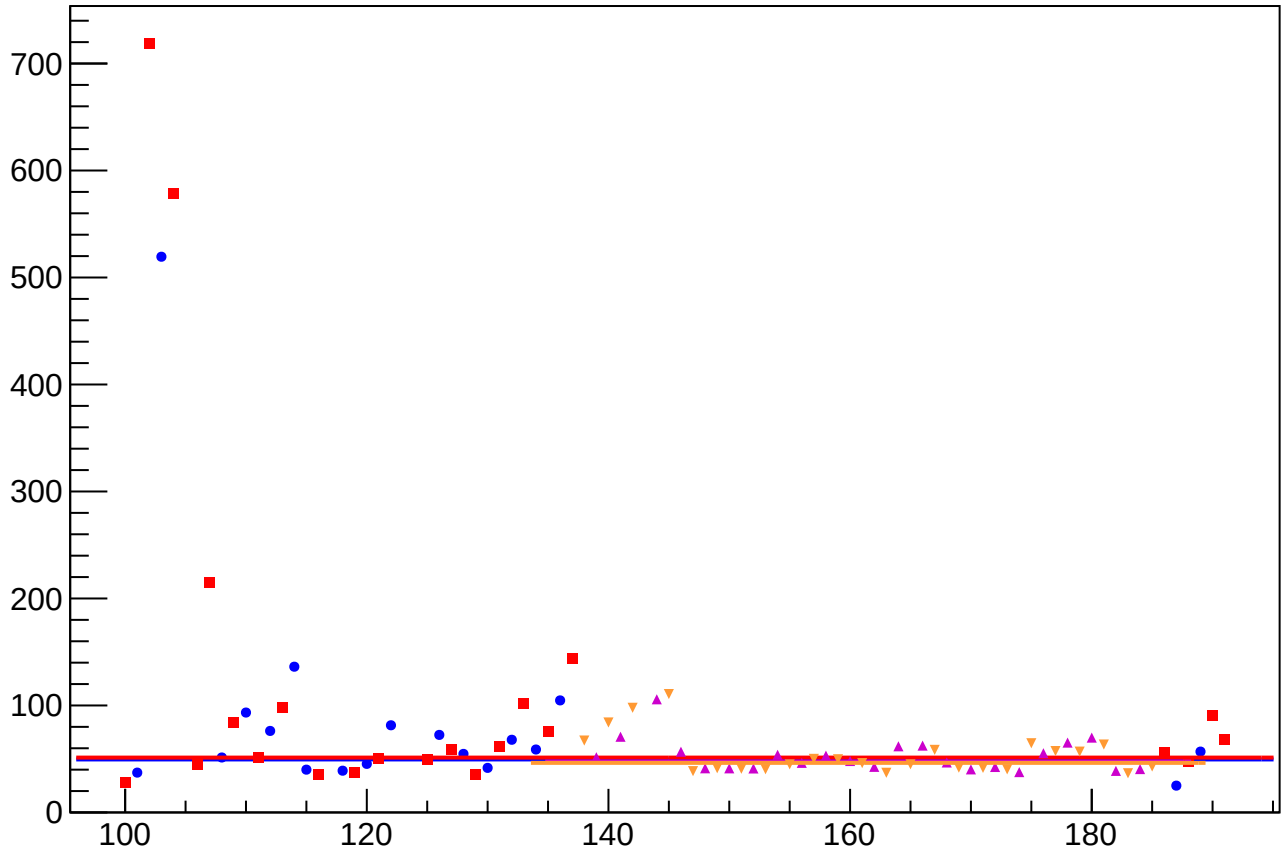
Right Out: 0.012+/-0.021 χ^2/NDF: 13.5/21

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: 80.8/86

- sign 0.008+/-0.010 χ^2/NDF: 35.2/44



Right In: 49.543+/-0.015 χ^2/NDF: 2594650.3/17

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

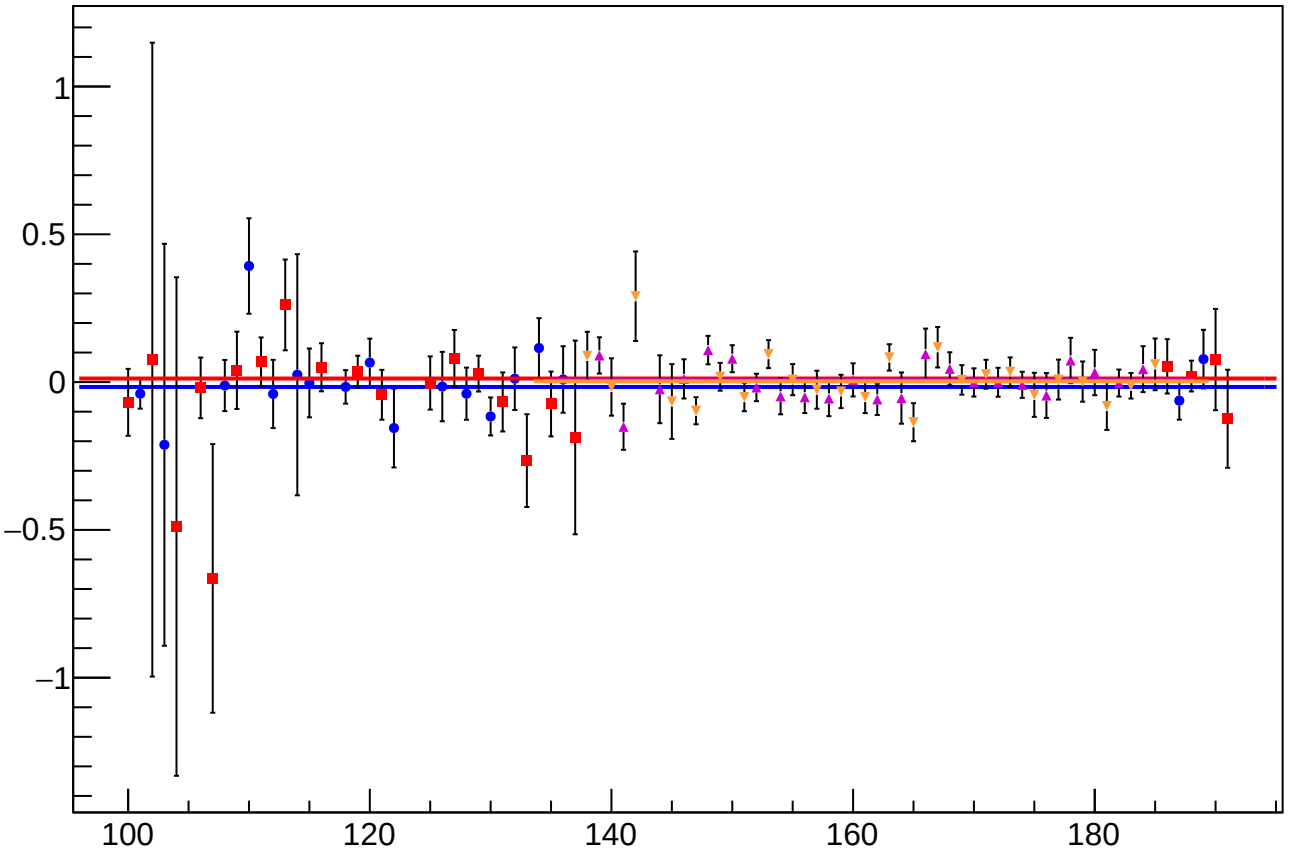
Right Out: 51.277+/-0.015 χ^2/NDF: 3191890.3/21

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

+ sign 47.135+/-0.007 χ^2/NDF: 4597630.3/41

All: 47.823+/-0.005 χ^2/NDF: 9431563.3/86

- sign 48.527+/-0.007 χ^2/NDF: 4815995.0/44



Right In: -0.016+/-0.021 χ^2/NDF: 14.6/17

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

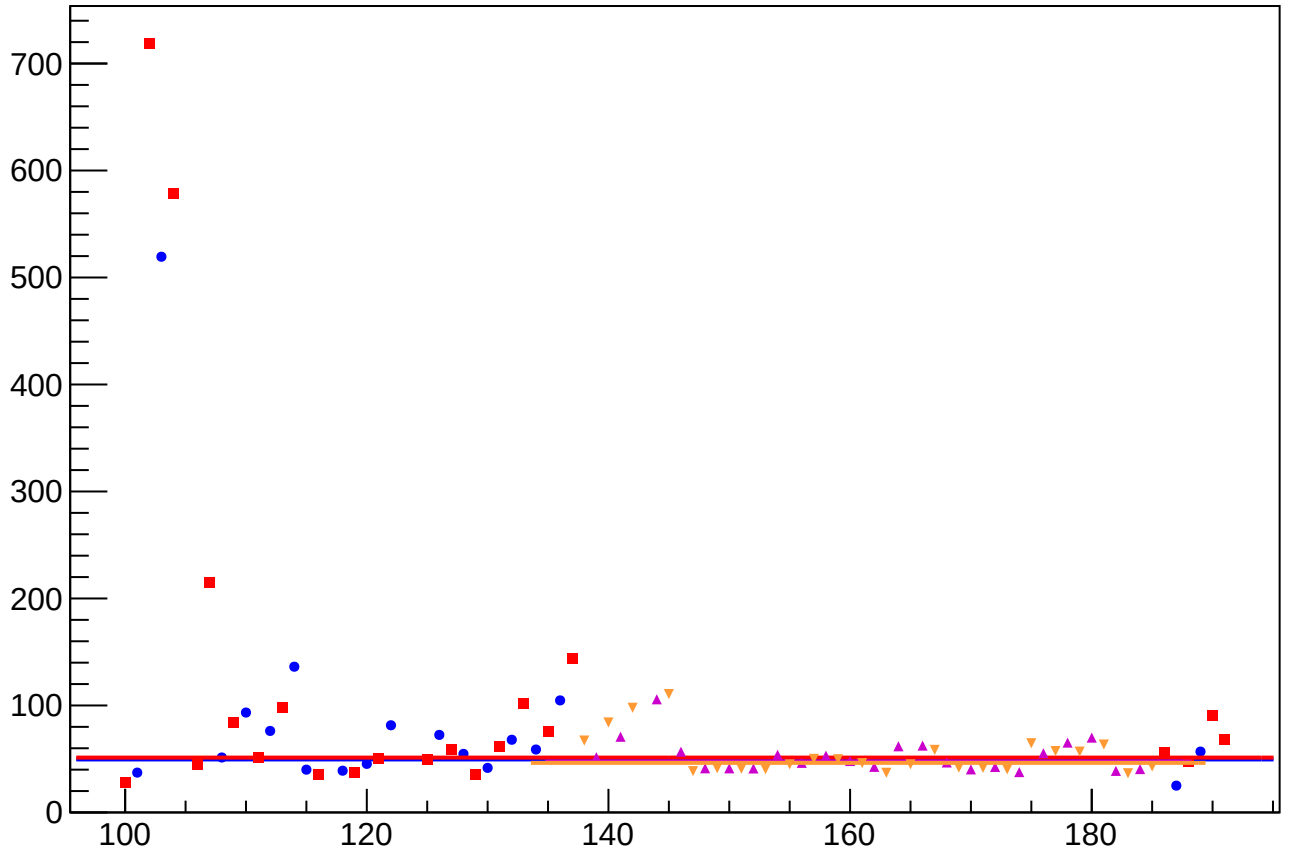
Right Out: 0.012+/-0.021 χ^2/NDF: 13.5/21

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: 80.8/86

- sign 0.008+/-0.010 χ^2/NDF: 35.2/44



Right In: 49.543+/-0.015 χ^2/NDF: 2594650.3/17

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

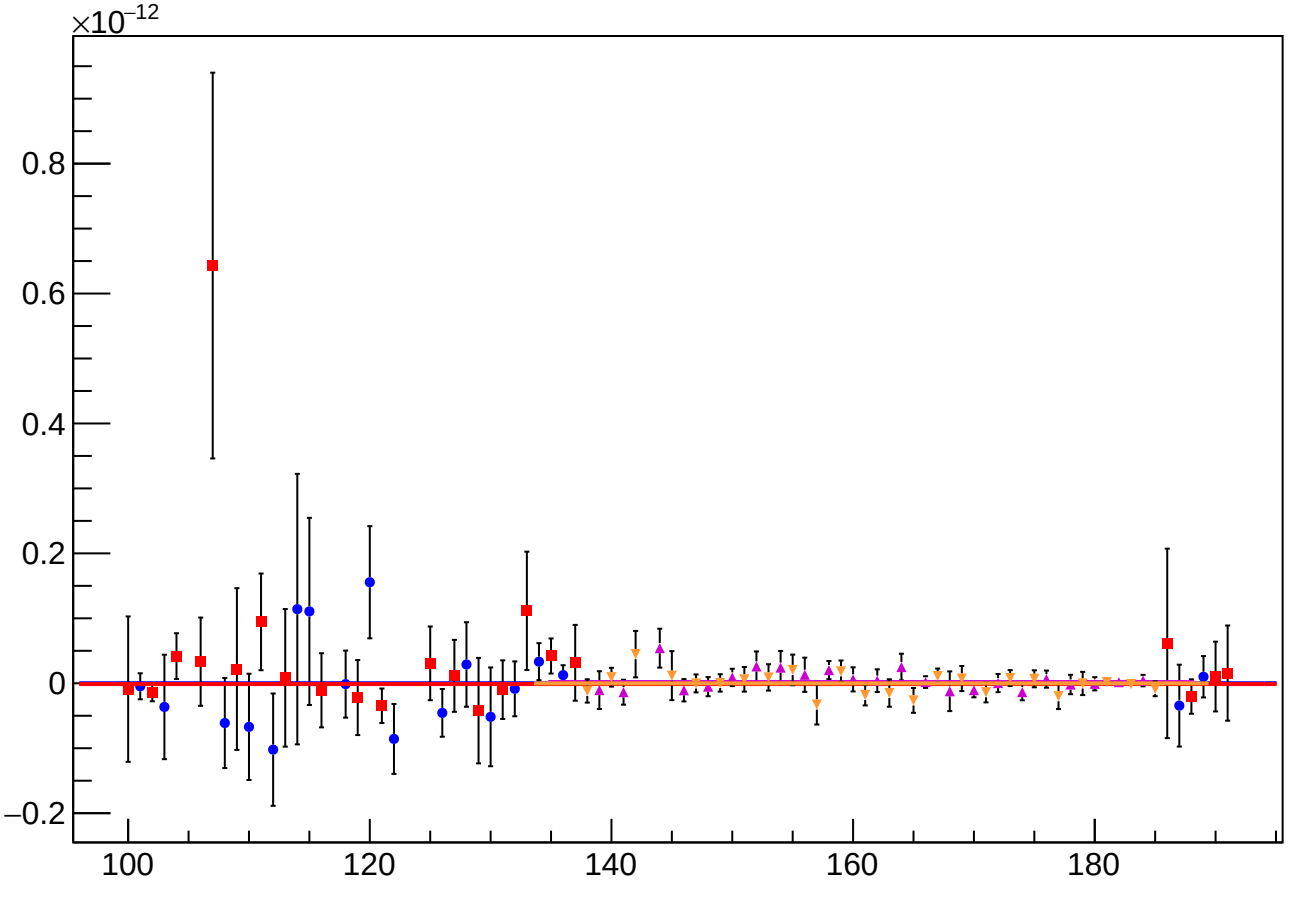
Right Out: 51.277+/-0.015 χ^2/NDF: 3191890.3/21

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

+ sign 47.135+/-0.007 χ^2/NDF: 4597630.3/41

All: 47.823+/-0.005 χ^2/NDF: 9431563.3/86

- sign 48.527+/-0.007 χ^2/NDF: 4815995.0/44



Right In: 0.000+/-0.000 χ^2/NDF: 14.5/17

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/23

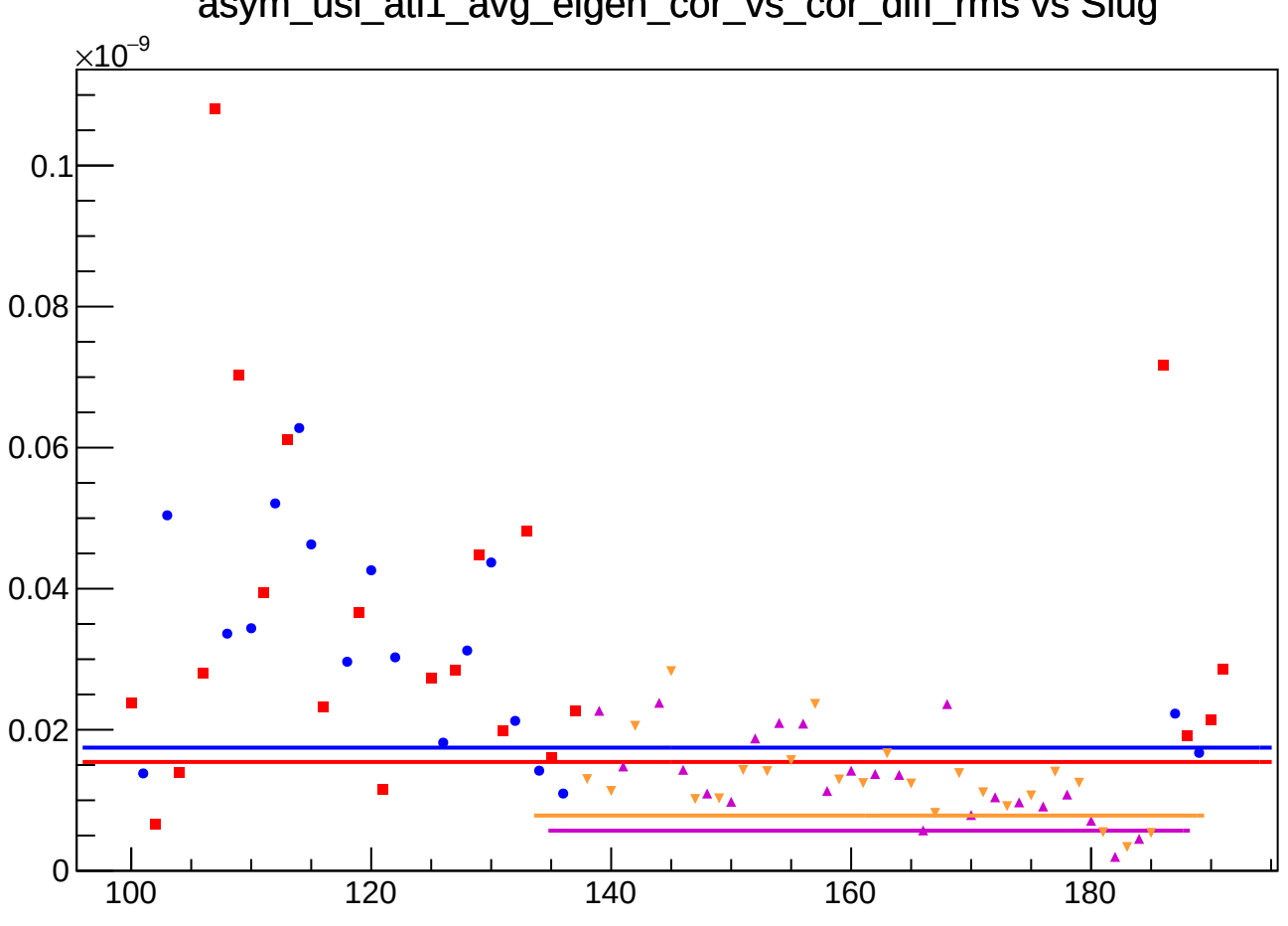
Right Out: -0.000+/-0.000 χ^2/NDF: 16.9/21

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: 59.0/86

- sign 0.000+/-0.000 χ^2/NDF: 30.3/44



Right In: 0.000+/-0.000 χ^2/NDF: 2237354.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:6422392.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3710818.2/21

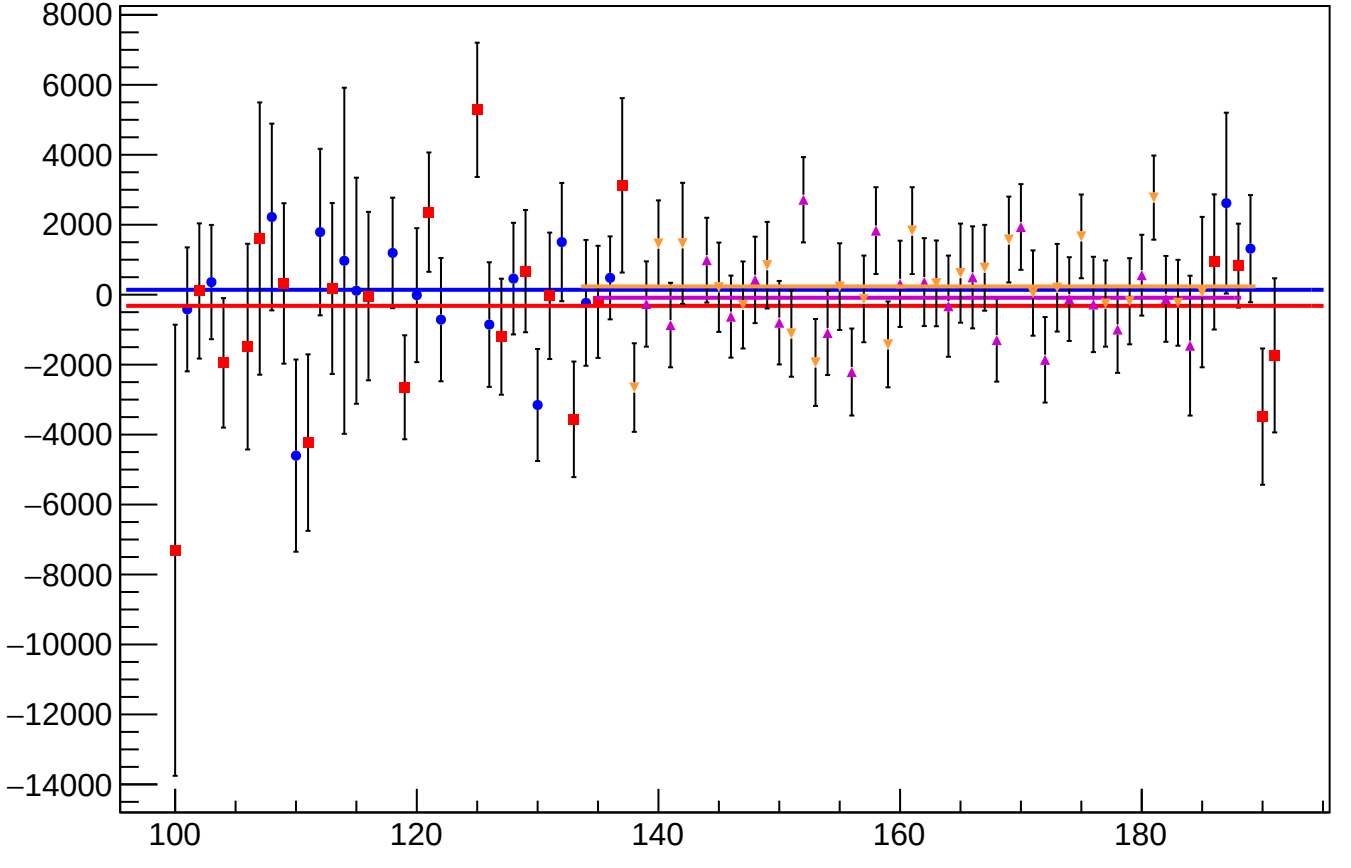
Left In: 0.000+/-0.000 χ^2/NDF:11199324.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 10816374.3/41

All: 0.000+/-0.000 χ^2/NDF: 29312621.6/86

- sign 0.000+/-0.000 χ^2/NDF: 17490560.9/44

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: -319.157+/-412.896 χ^2/NDF: 29.2/21

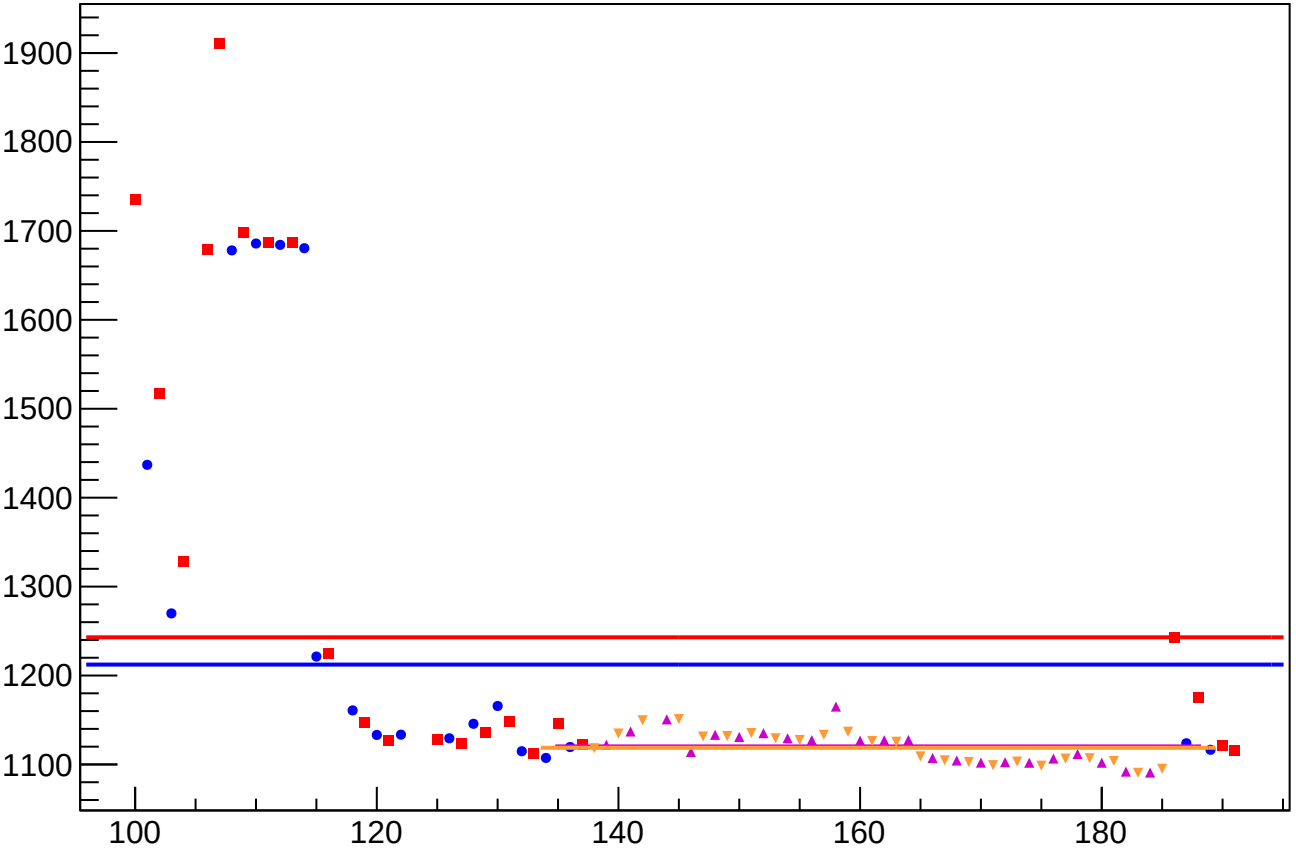
Left In: -88.380+/-261.602 χ^2/NDF:20.9/22

+ sign 211.118+/-222.784 χ^2/NDF: 34.5/41

All: 26.832+/-156.891 χ^2/NDF: 86.2/86

- sign -154.484+/-220.982 χ^2/NDF: 50.3/44

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: 1242.995+/-0.292 χ^2/NDF: 458733.4/21

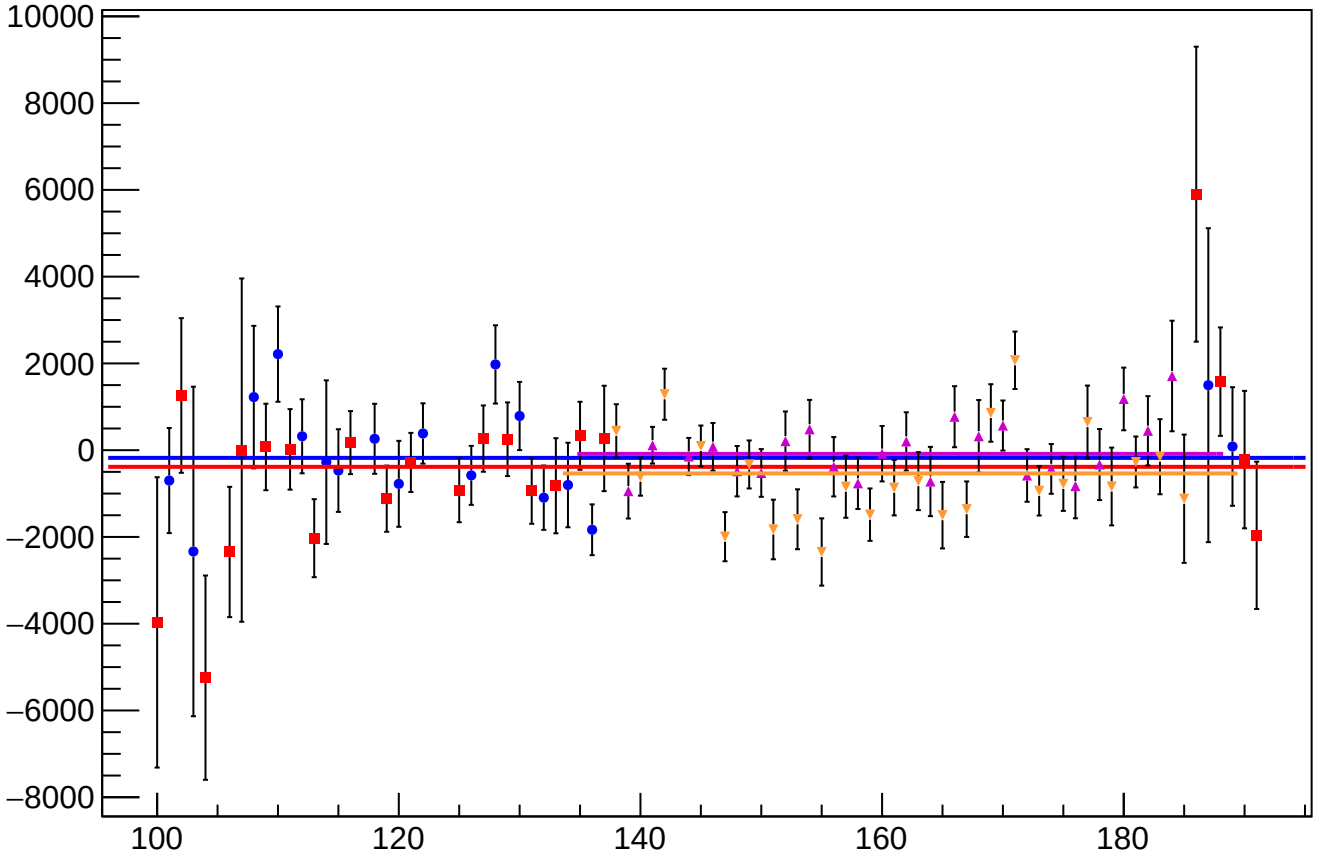
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1143.430+/-0.158 χ^2/NDF: 383109.8/41

All: 1149.489+/-0.111 χ^2/NDF: 980258.6/86

- sign 1155.451+/-0.156 χ^2/NDF: 594213.7/44

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: -384.085+/-215.443 χ^2/NDF: 23.7/21

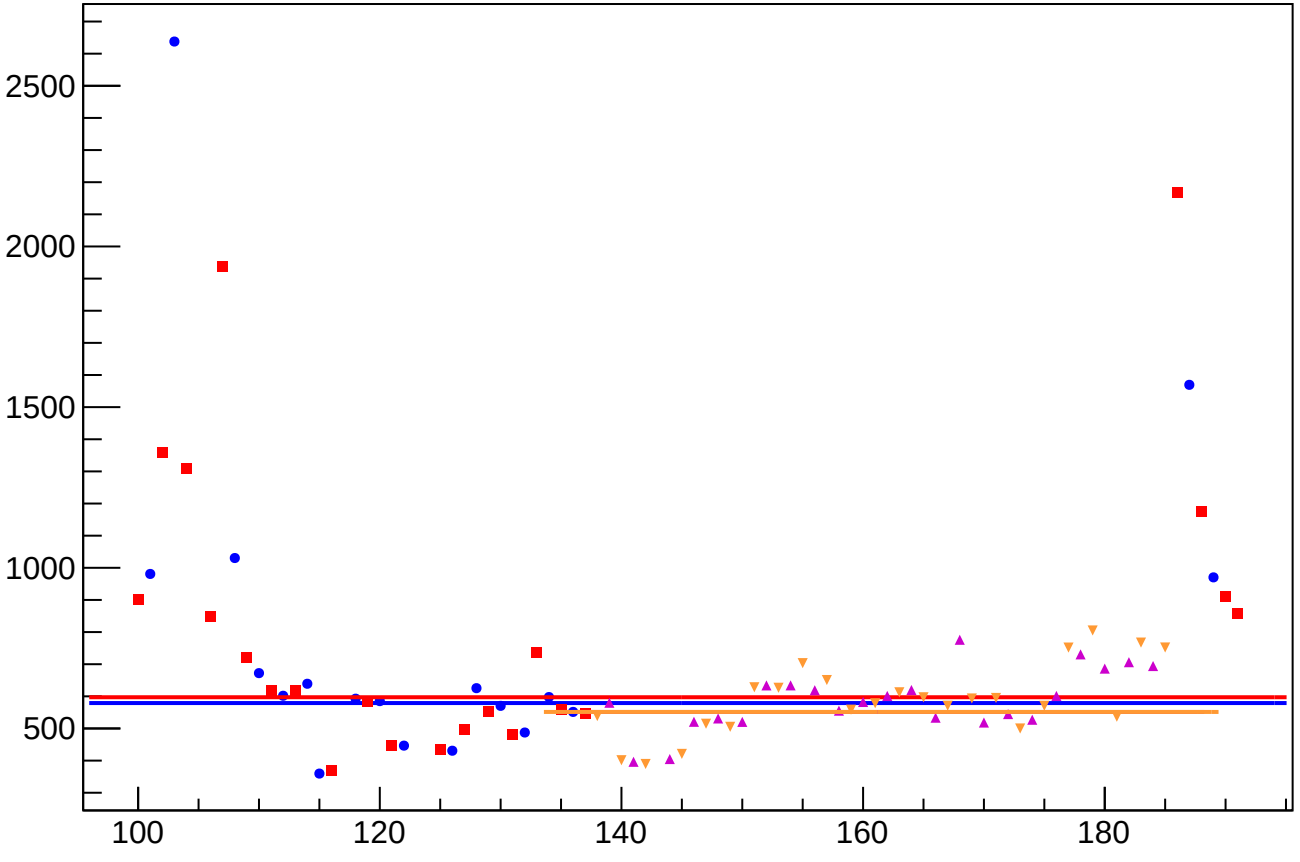
Left In: -85.254+/-130.966 χ^2/NDF:17.1/22

+ sign -442.134+/-112.273 χ^2/NDF: 89.0/41

All: -303.564+/-79.261 χ^2/NDF: 134.3/86

- sign -165.886+/-111.911 χ^2/NDF: 42.2/44

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: 597.189+/-0.152 χ^2/NDF: 2384624.7/21

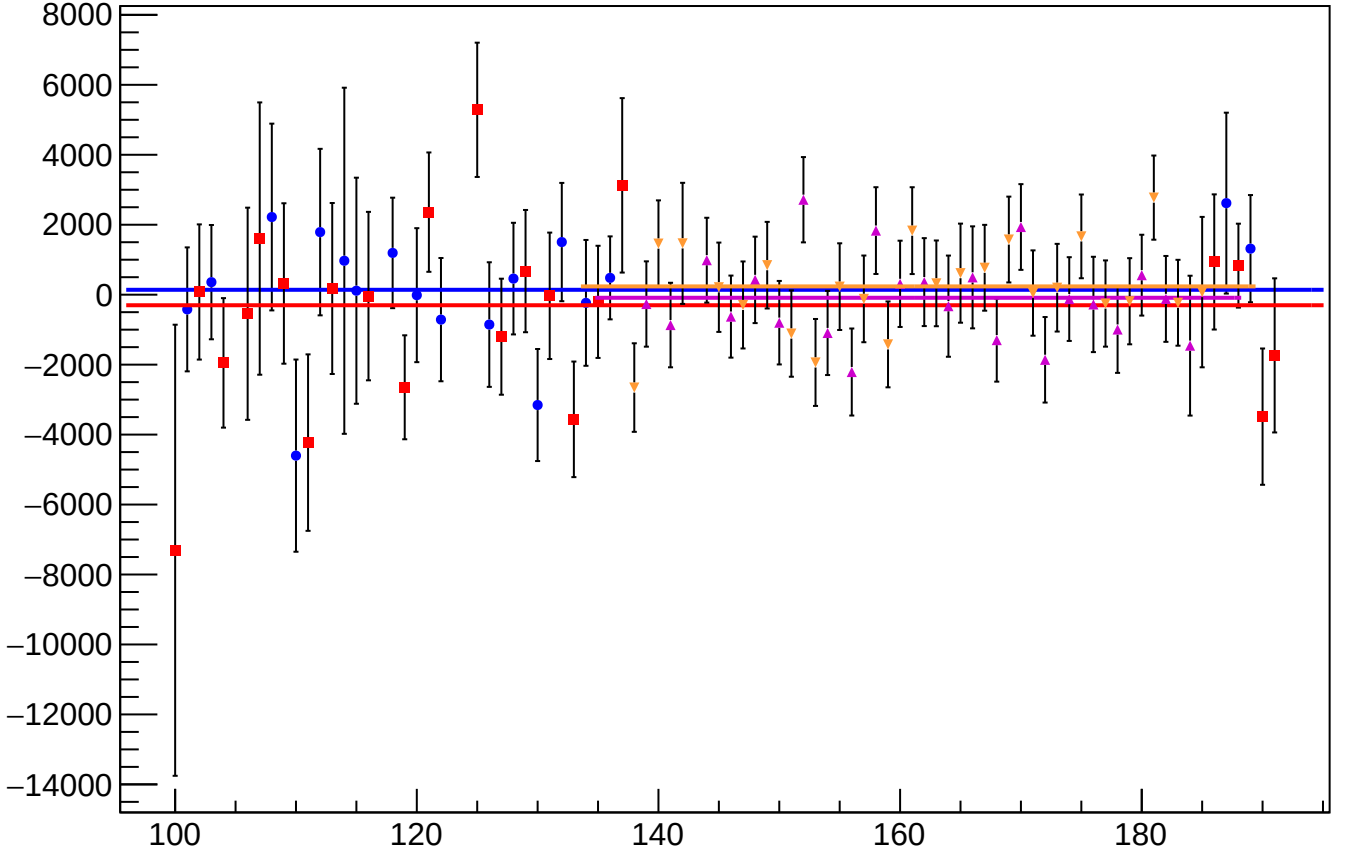
Left In: 551.336+/-0.093 χ^2/NDF:1061764.2/22

+ sign 558.677+/-0.079 χ^2/NDF: 2856241.9/41

All: 561.201+/-0.056 χ^2/NDF: 6370794.8/86

- sign 563.708+/-0.079 χ^2/NDF: 3512538.0/44

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: -301.754+/-413.142 χ^2/NDF: 29.0/21

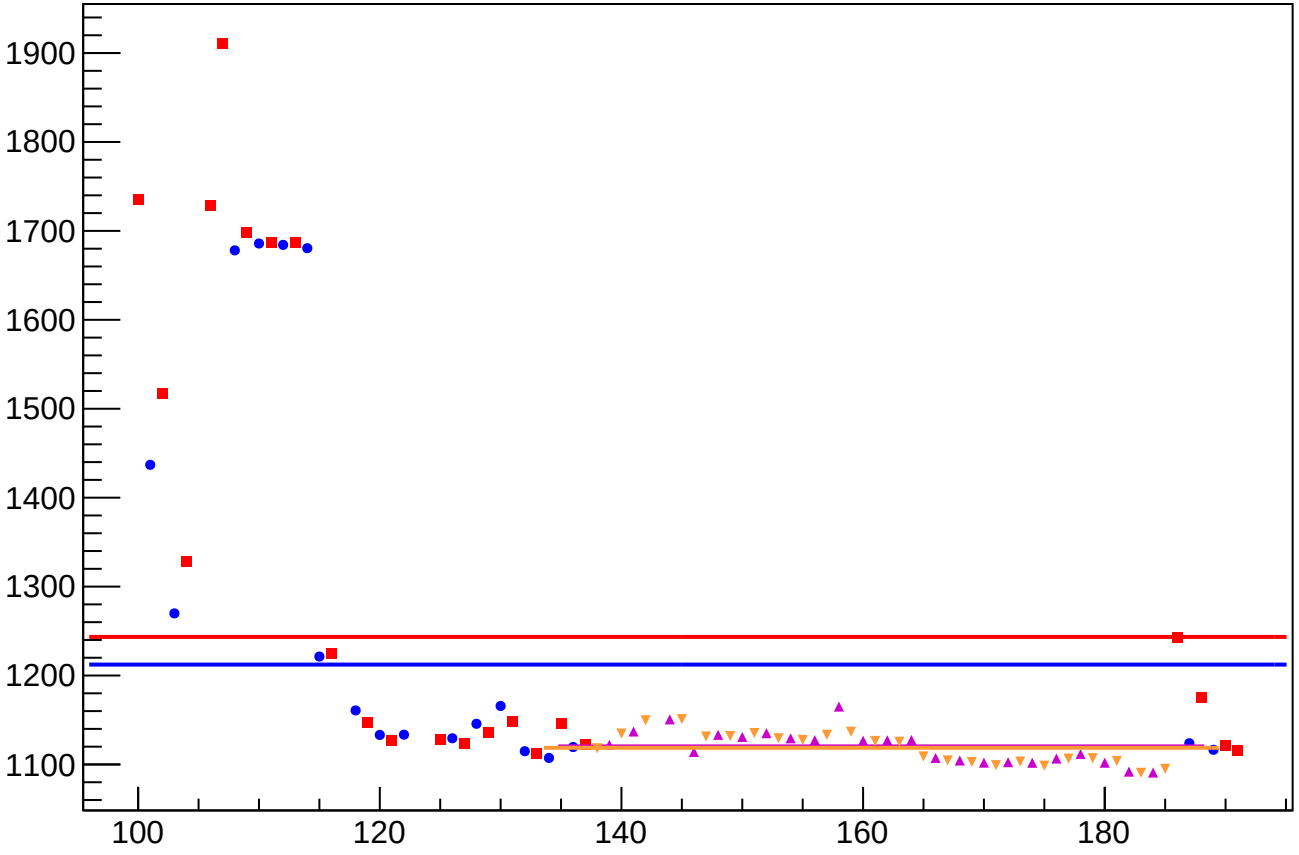
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 211.092+/-222.784 χ^2/NDF: 34.5/41

All: 29.393+/-156.905 χ^2/NDF: 85.9/86

- sign -149.440+/-221.020 χ^2/NDF: 50.1/44

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: 1243.407+/-0.292 χ^2/NDF: 466109.2/21

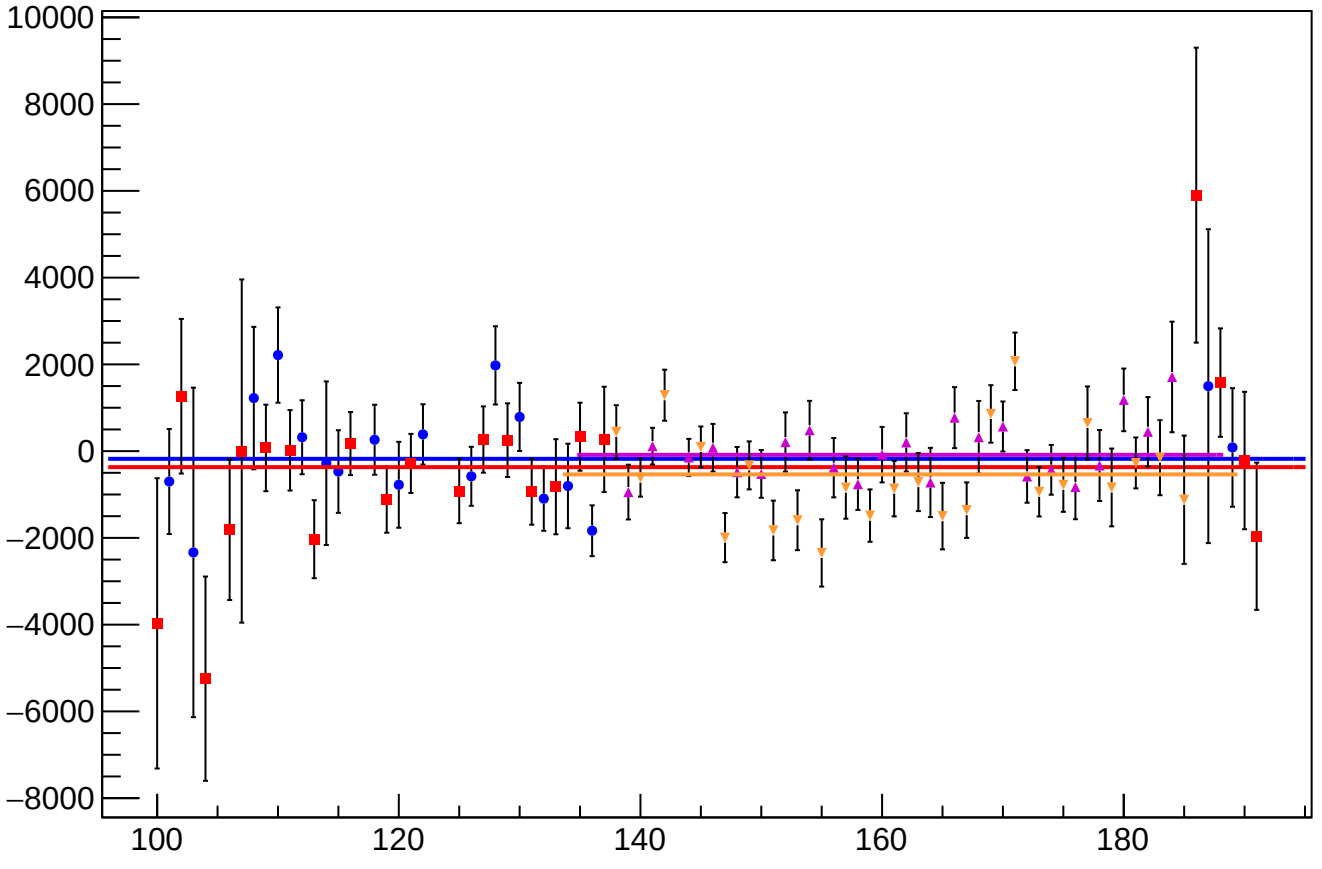
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1143.430+/-0.158 χ^2/NDF: 383109.9/41

All: 1149.532+/-0.111 χ^2/NDF: 988417.4/86

- sign 1155.539+/-0.156 χ^2/NDF: 602329.8/44

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: -369.004+/-215.752 χ^2/NDF: 22.7/21

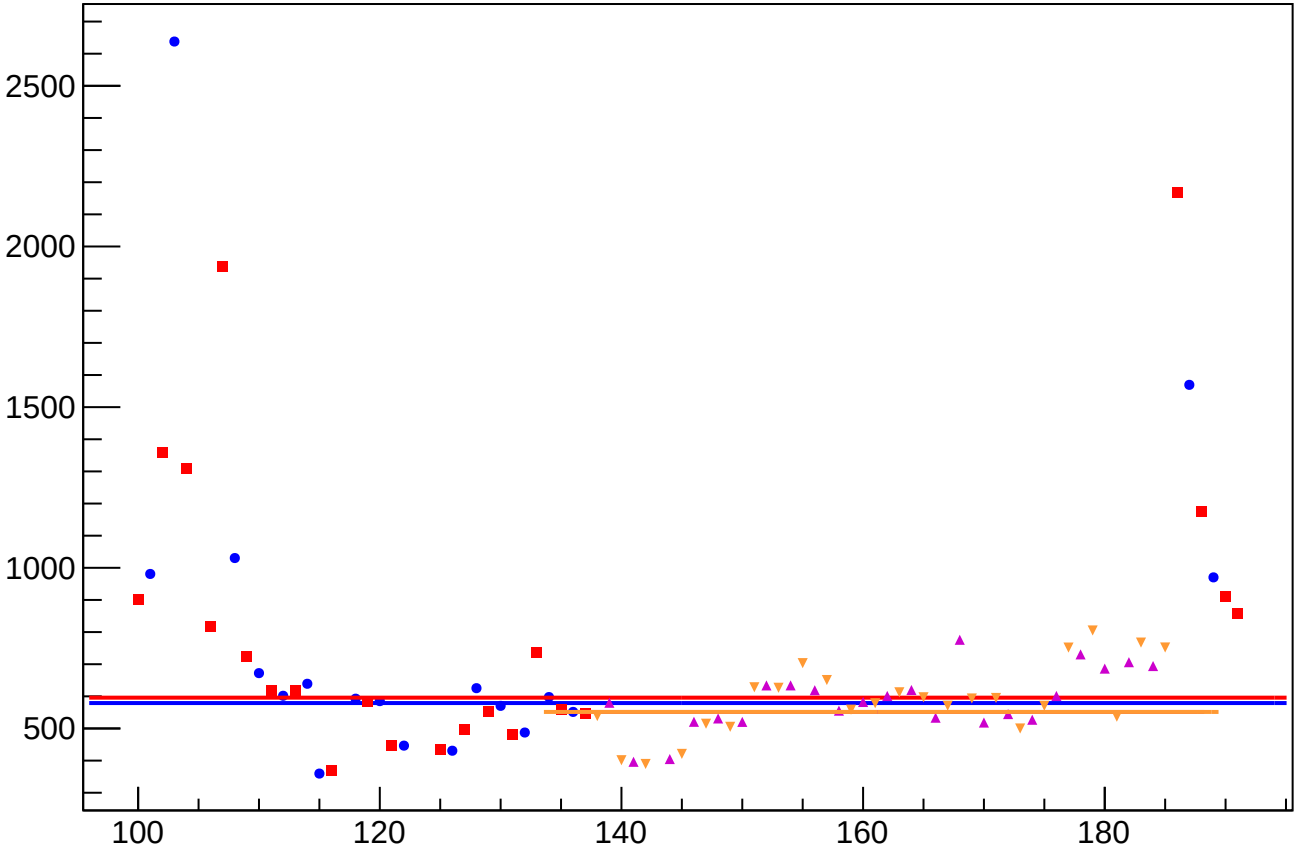
Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

+ sign -442.156+/-112.273 χ^2/NDF: 89.0/41

All: -301.503+/-79.276 χ^2/NDF: 133.3/86

- sign -161.648+/-111.954 χ^2/NDF: 41.1/44

asym_usl_atl1_dd_cor_correction_rms vs Slug



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: 595.909+/-0.153 χ^2/NDF: 2365884.5/21

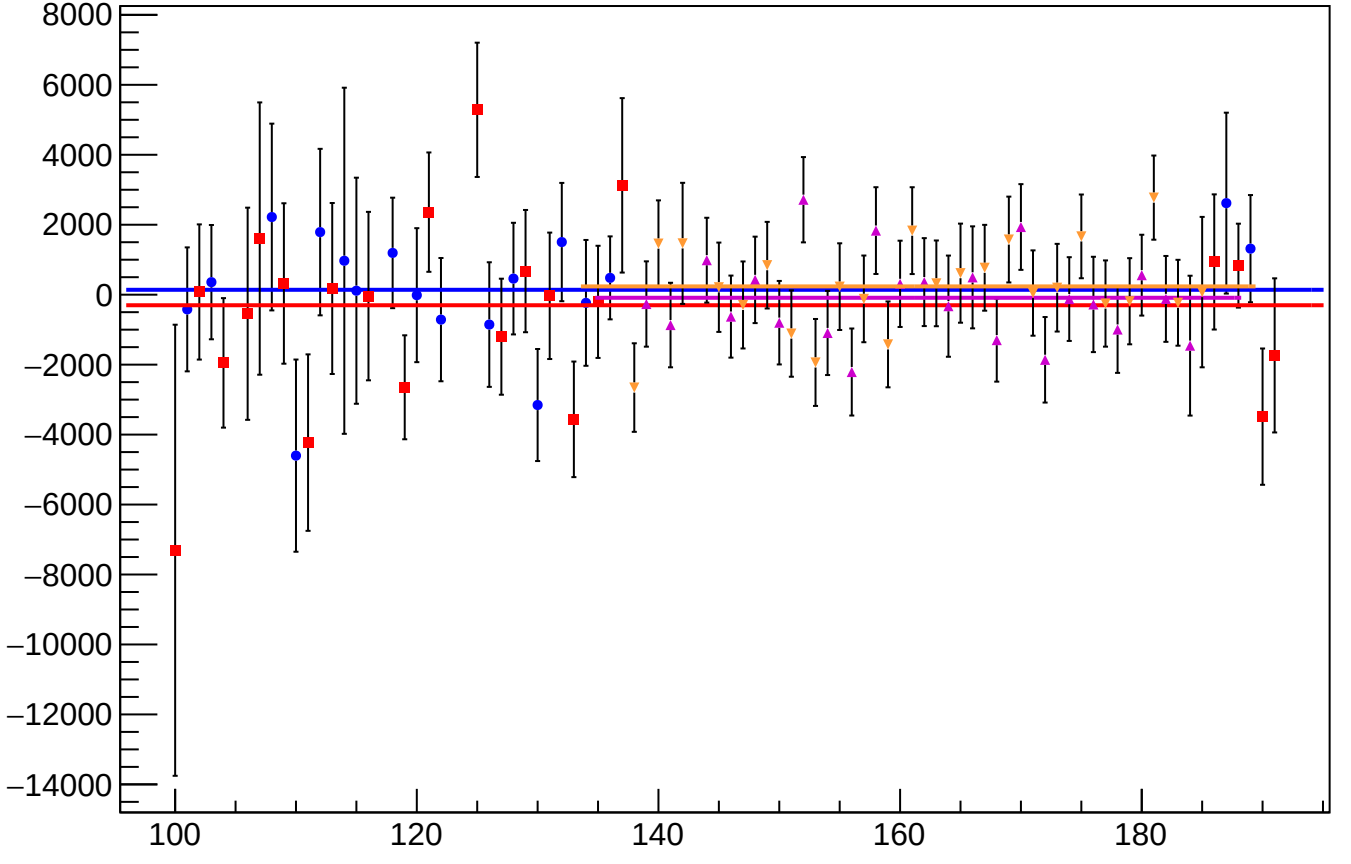
Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

+ sign 558.675+/-0.079 χ^2/NDF: 2856232.0/41

All: 561.013+/-0.056 χ^2/NDF: 6347955.0/86

- sign 563.337+/-0.079 χ^2/NDF: 3489994.0/44

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: -301.754+/-413.142 χ^2/NDF: 29.0/21

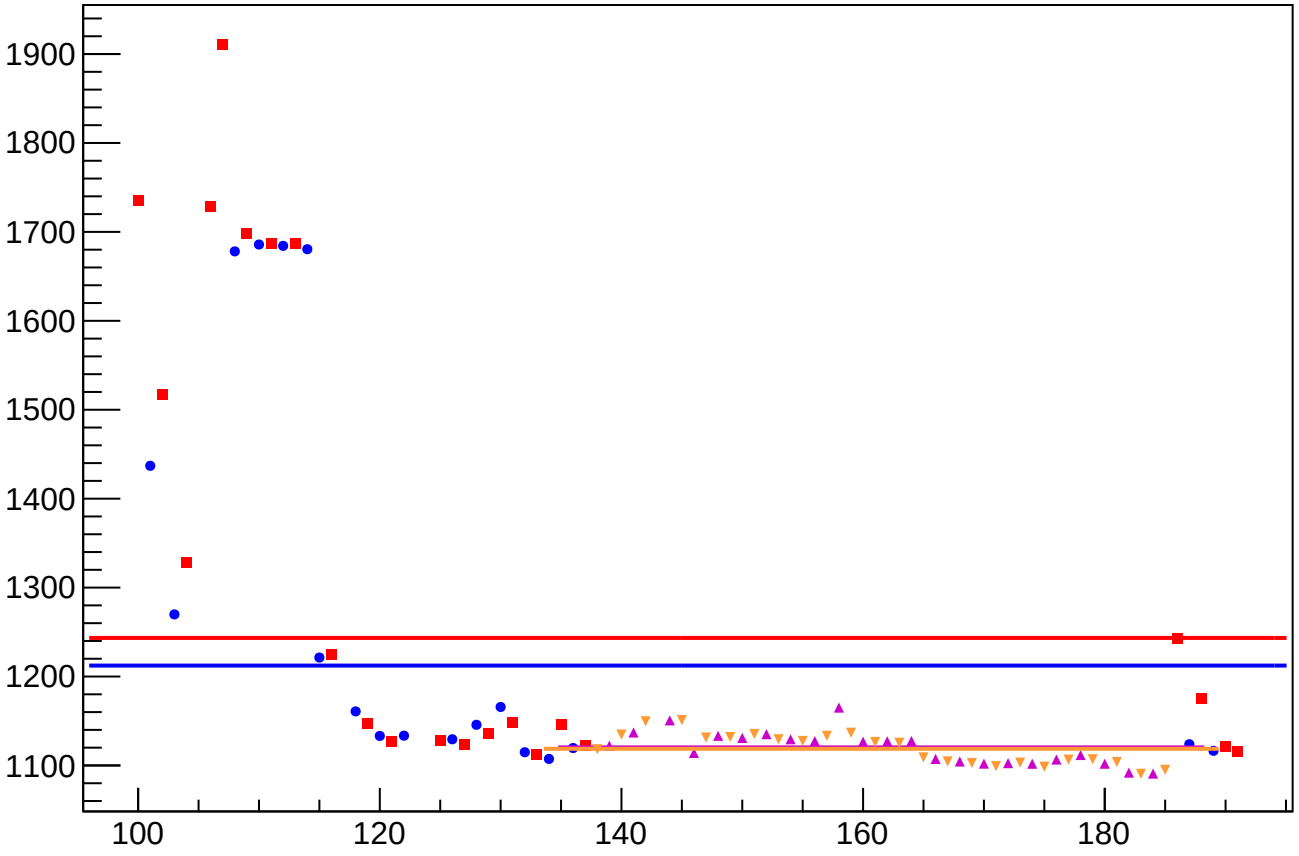
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 211.092+/-222.784 χ^2/NDF: 34.5/41

All: 29.393+/-156.905 χ^2/NDF: 85.9/86

- sign -149.440+/-221.020 χ^2/NDF: 50.1/44

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

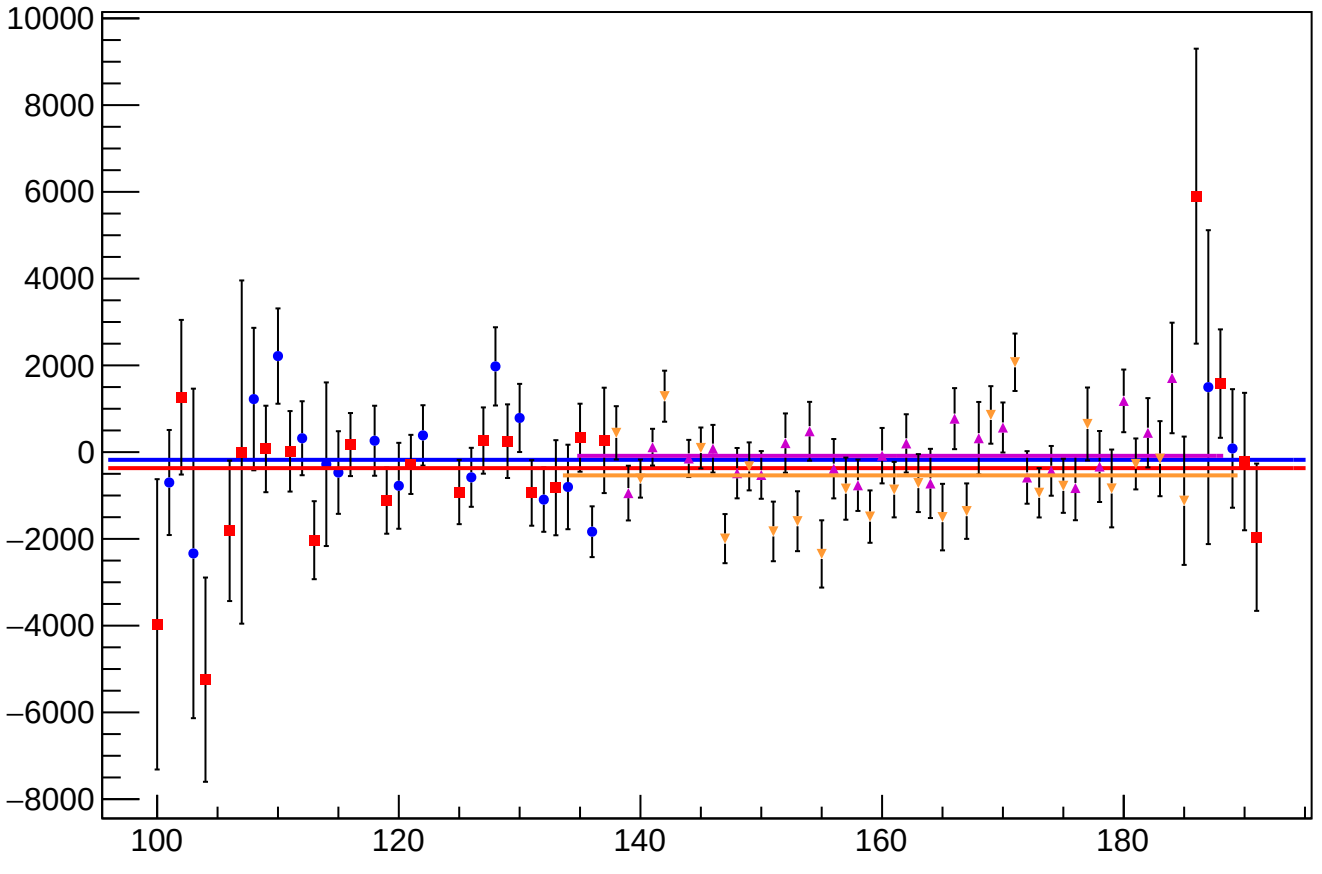
Right Out: 1243.407+/-0.292 χ^2/NDF: 466109.2/21

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1143.430+/-0.158 χ^2/NDF: 383109.9/41

All: 1149.532+/-0.111 χ^2/NDF: 988417.4/86

- sign 1155.539+/-0.156 χ^2/NDF: 602329.8/44



Right In: -177.318+/-219.557 χ^2/NDF: 25.5/17

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

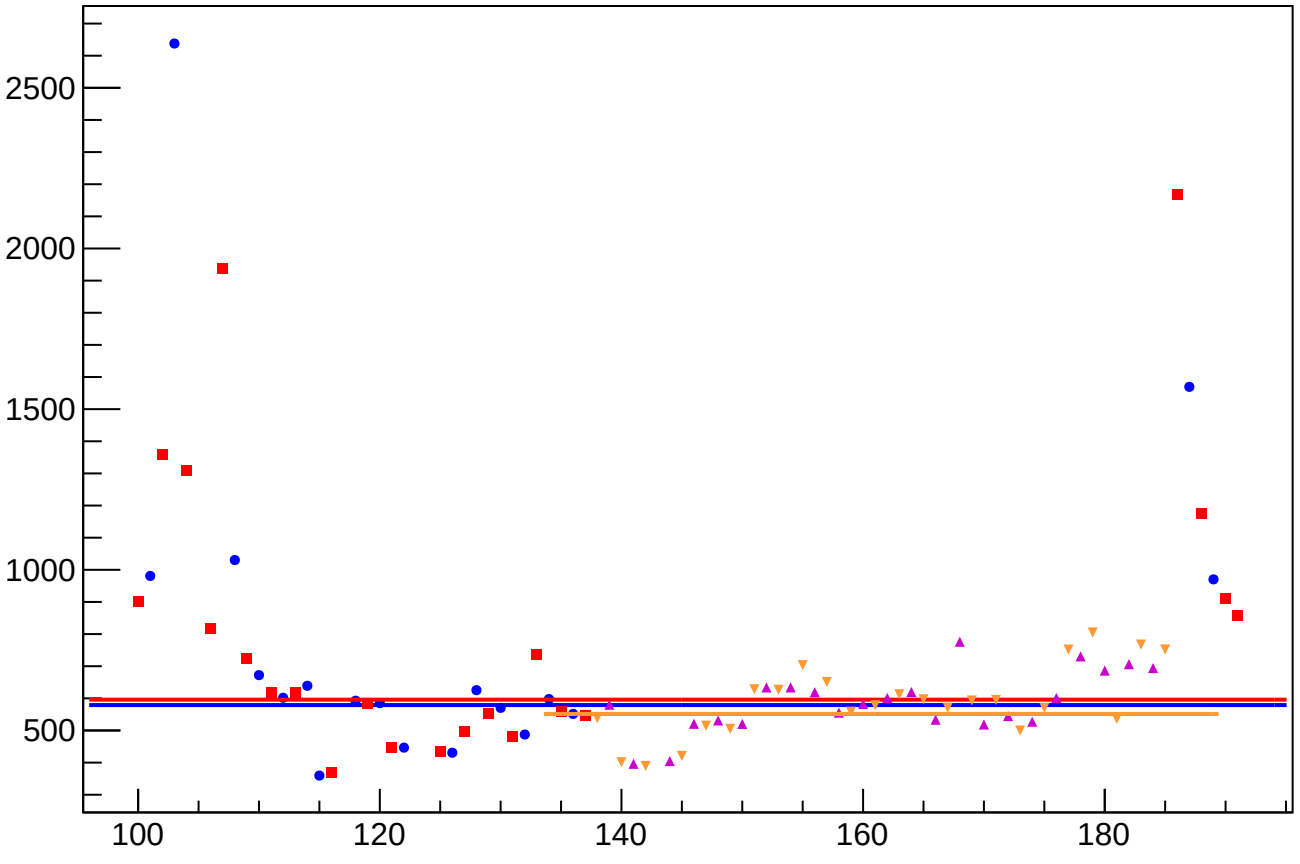
Right Out: -369.004+/-215.752 χ^2/NDF: 22.7/21

Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

\+ sign -442.156+/-112.273 χ^2/NDF: 89.0/41

All: -301.503+/-79.276 χ^2/NDF: 133.3/86

\- sign -161.648+/-111.954 χ^2/NDF: 41.1/44



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: 595.909+/-0.153 χ^2/NDF: 2365884.5/21

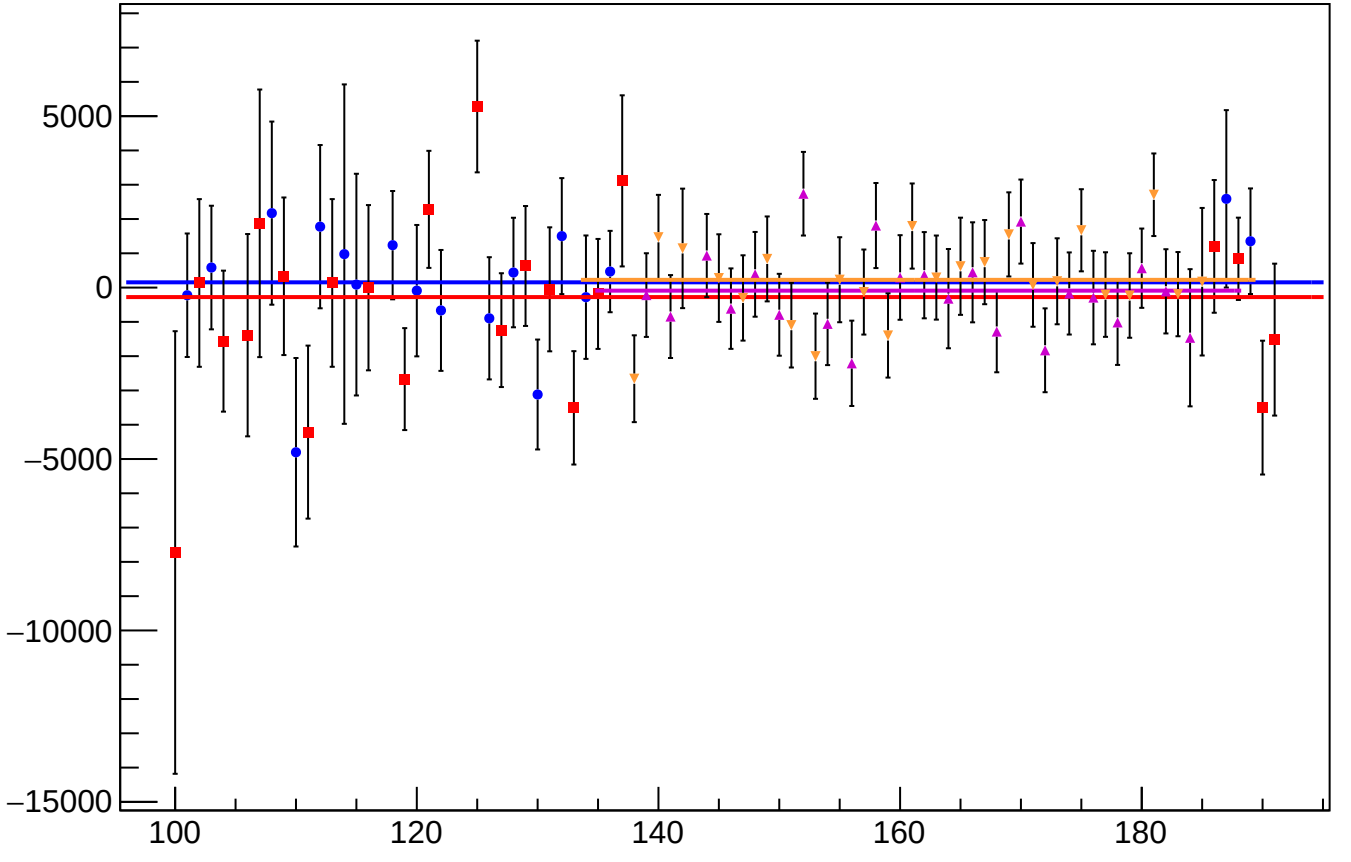
Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

+ sign 558.675+/-0.079 χ^2/NDF: 2856232.0/41

All: 561.013+/-0.056 χ^2/NDF: 6347955.0/86

- sign 563.337+/-0.079 χ^2/NDF: 3489994.0/44

dit_asym_usl_atl1_dd_mean vs Slug



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: -276.848+/-418.887 χ^2/NDF: 28.7/21

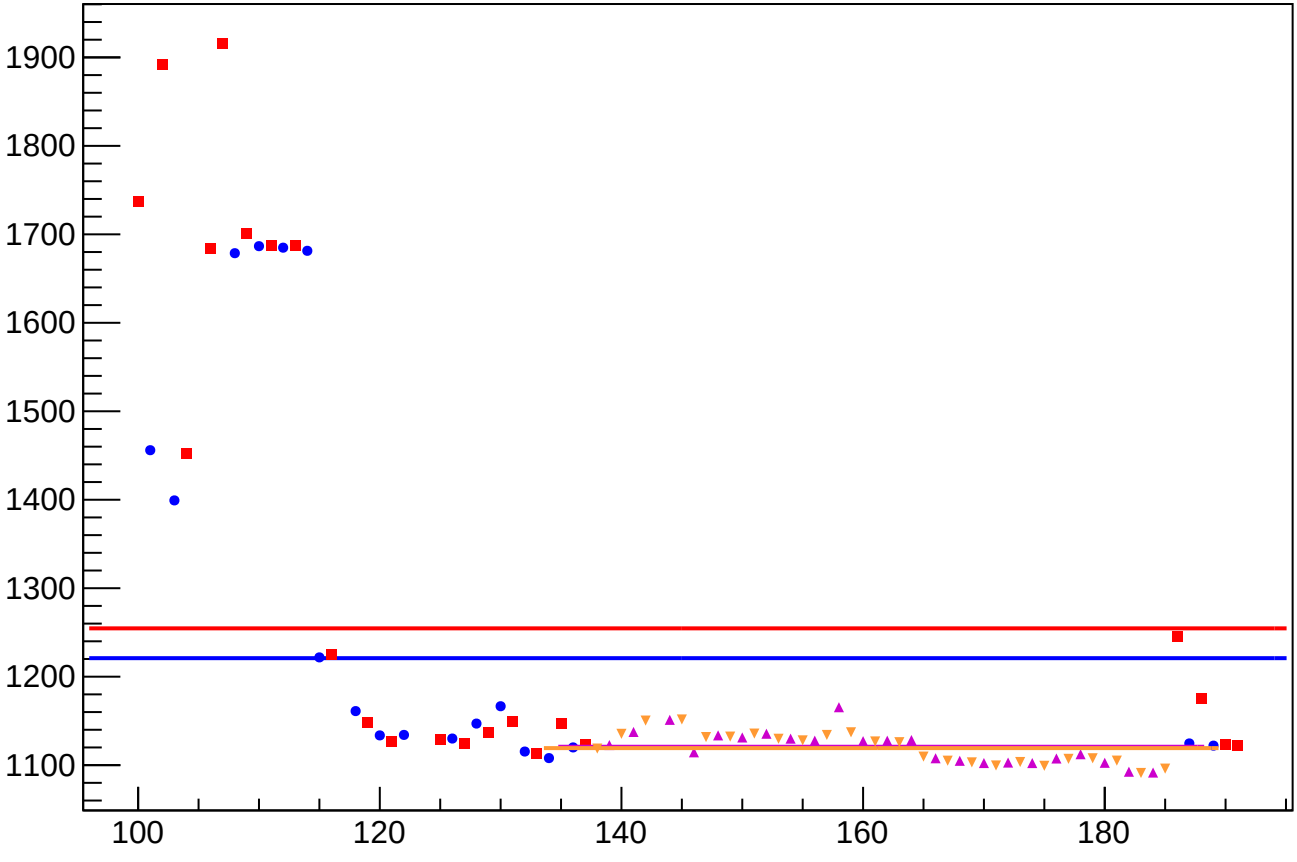
Left In: -89.078+/-261.717 χ^2/NDF:20.6/22

+ sign 206.805+/-223.362 χ^2/NDF: 34.1/41

All: 31.403+/-157.442 χ^2/NDF: 84.8/86

- sign -141.797+/-221.956 χ^2/NDF: 49.4/44

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: 1254.620+/-0.296 χ^2/NDF: 574878.9/21

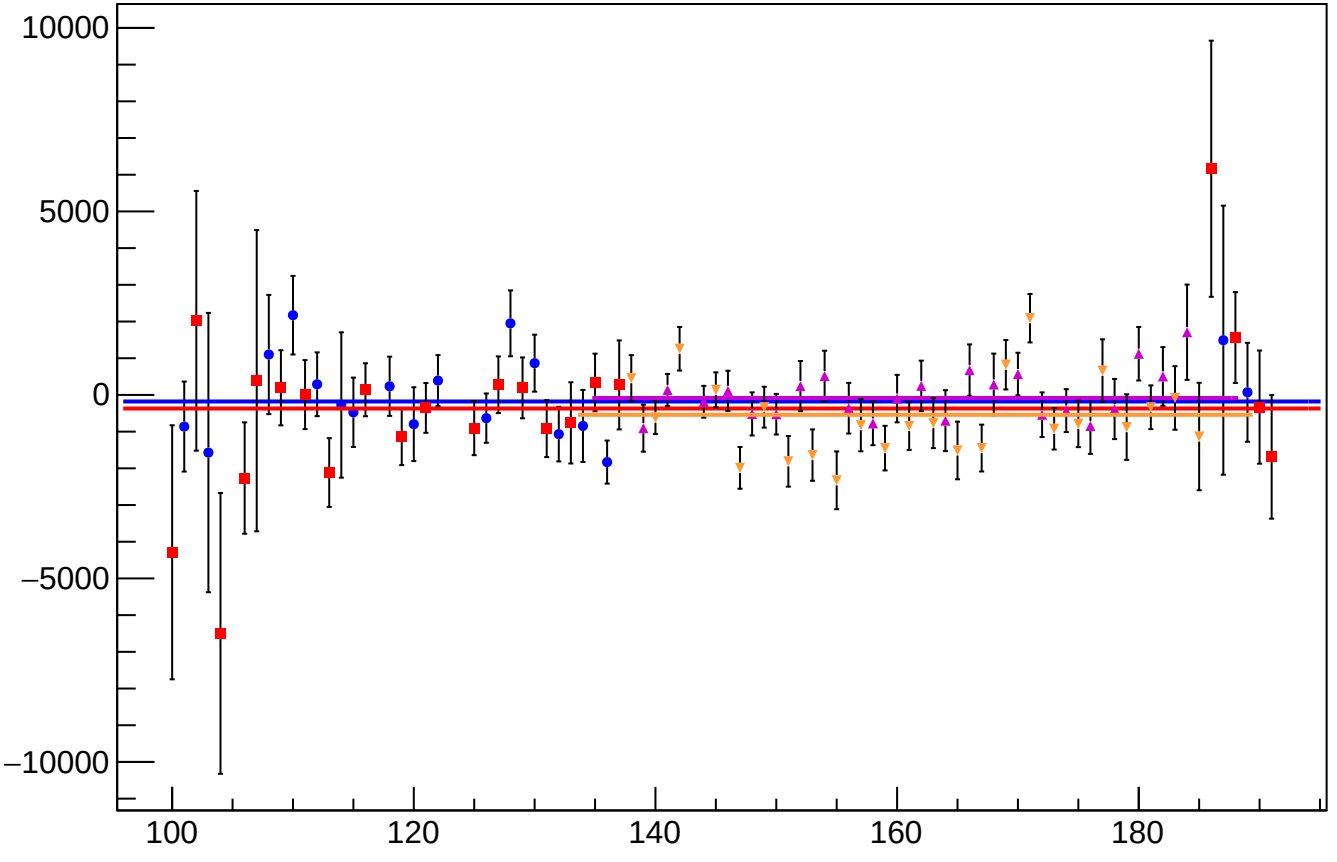
Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

+ sign 1145.795+/-0.158 χ^2/NDF: 415913.2/41

All: 1152.123+/-0.111 χ^2/NDF: 1150217.7/86

- sign 1158.372+/-0.157 χ^2/NDF: 731113.7/44

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: -370.259+/-218.300 χ^2/NDF: 21.3/21

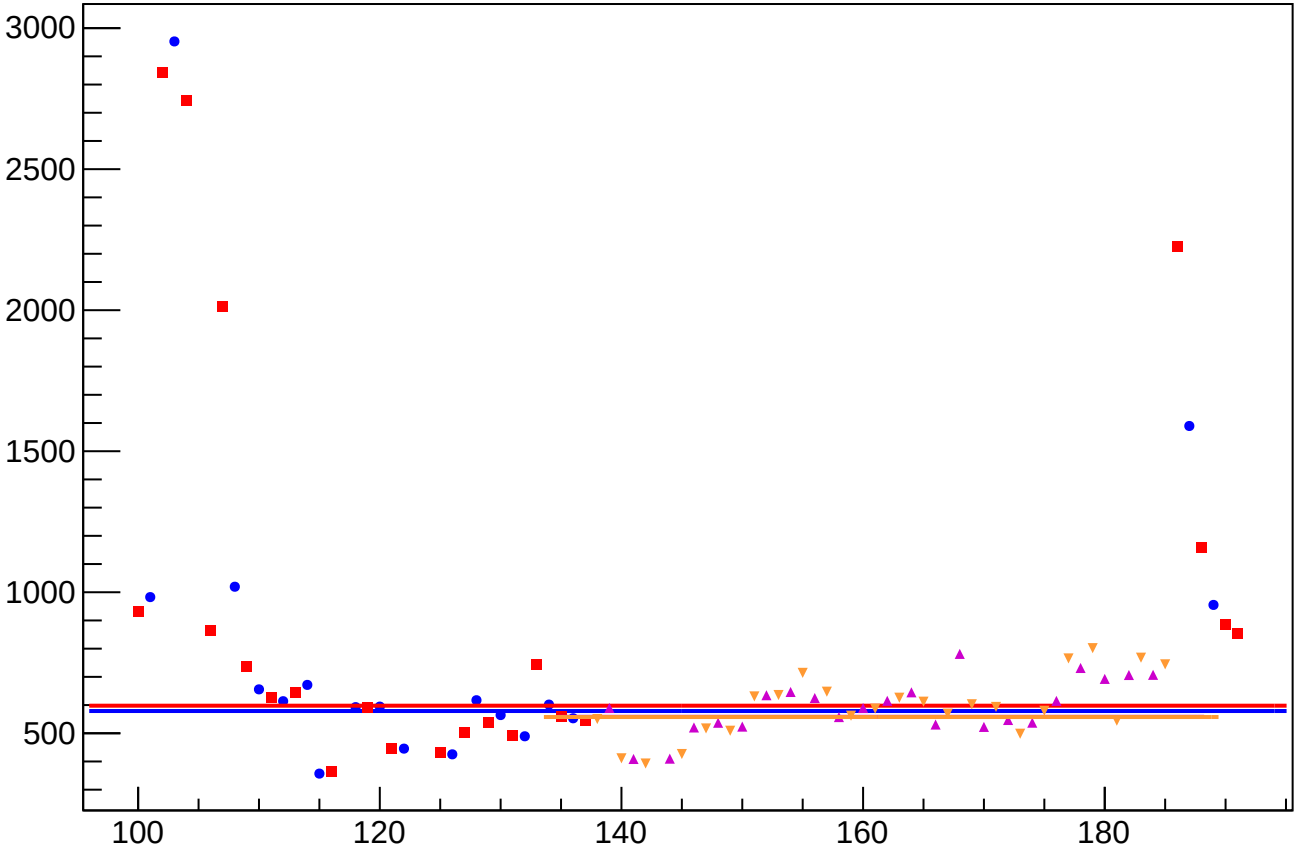
Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

+ sign -445.078+/-113.113 χ^2/NDF: 88.4/41

All: -303.370+/-80.048 χ^2/NDF: 130.5/86

- sign -161.197+/-113.299 χ^2/NDF: 39.0/44

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: 597.782+/-0.154 χ^2/NDF: 3286852.0/21

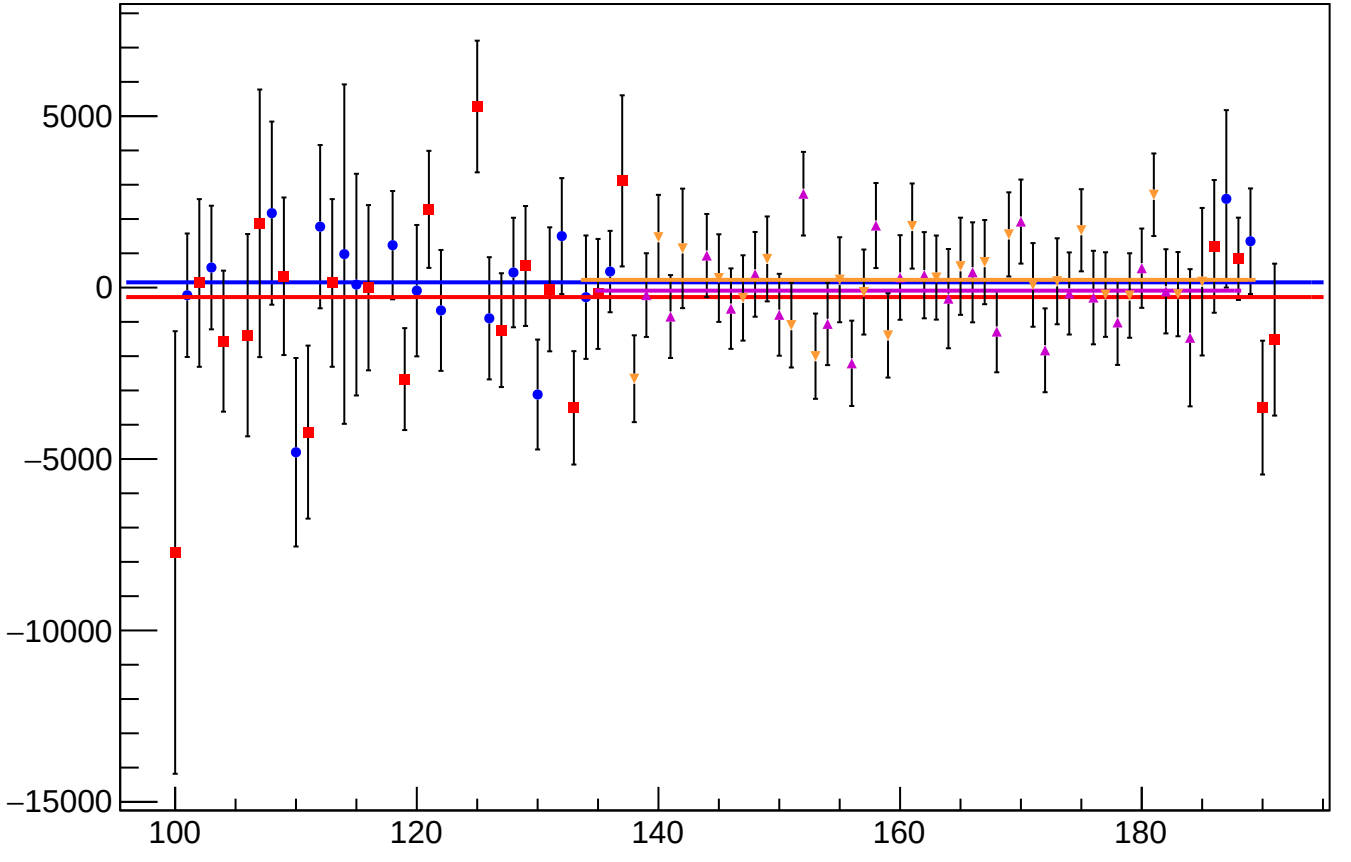
Left In: 558.393+/-0.094 χ^2/NDF:1027814.4/22

+ sign 563.250+/-0.080 χ^2/NDF: 3003232.4/41

All: 566.122+/-0.057 χ^2/NDF: 7368055.9/86

- sign 569.003+/-0.080 χ^2/NDF: 4362241.3/44

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: -276.848+/-418.887 χ^2/NDF: 28.7/21

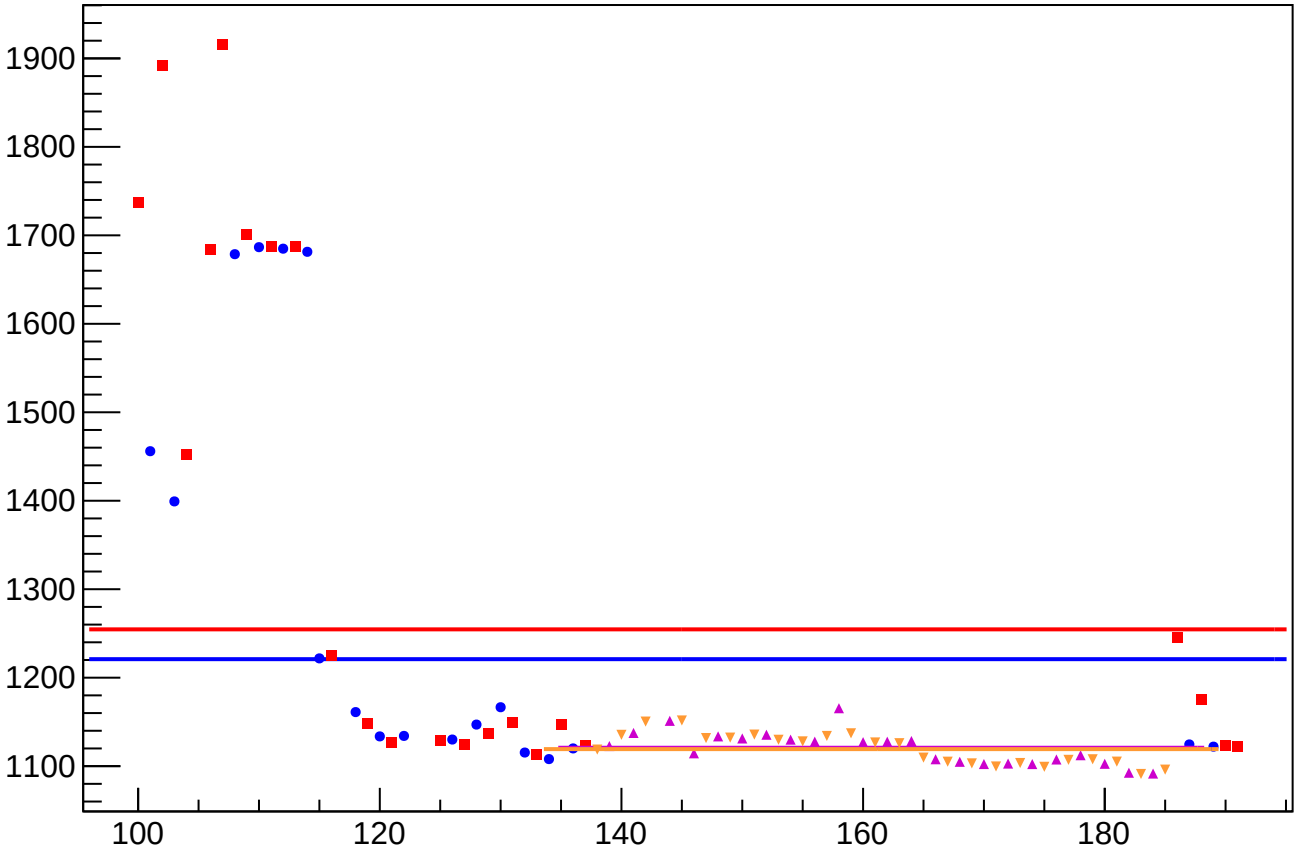
Left In: -89.079+/-261.717 χ^2/NDF:20.6/22

+ sign 206.803+/-223.362 χ^2/NDF: 34.1/41

All: 31.402+/-157.442 χ^2/NDF: 84.8/86

- sign -141.797+/-221.956 χ^2/NDF: 49.4/44

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

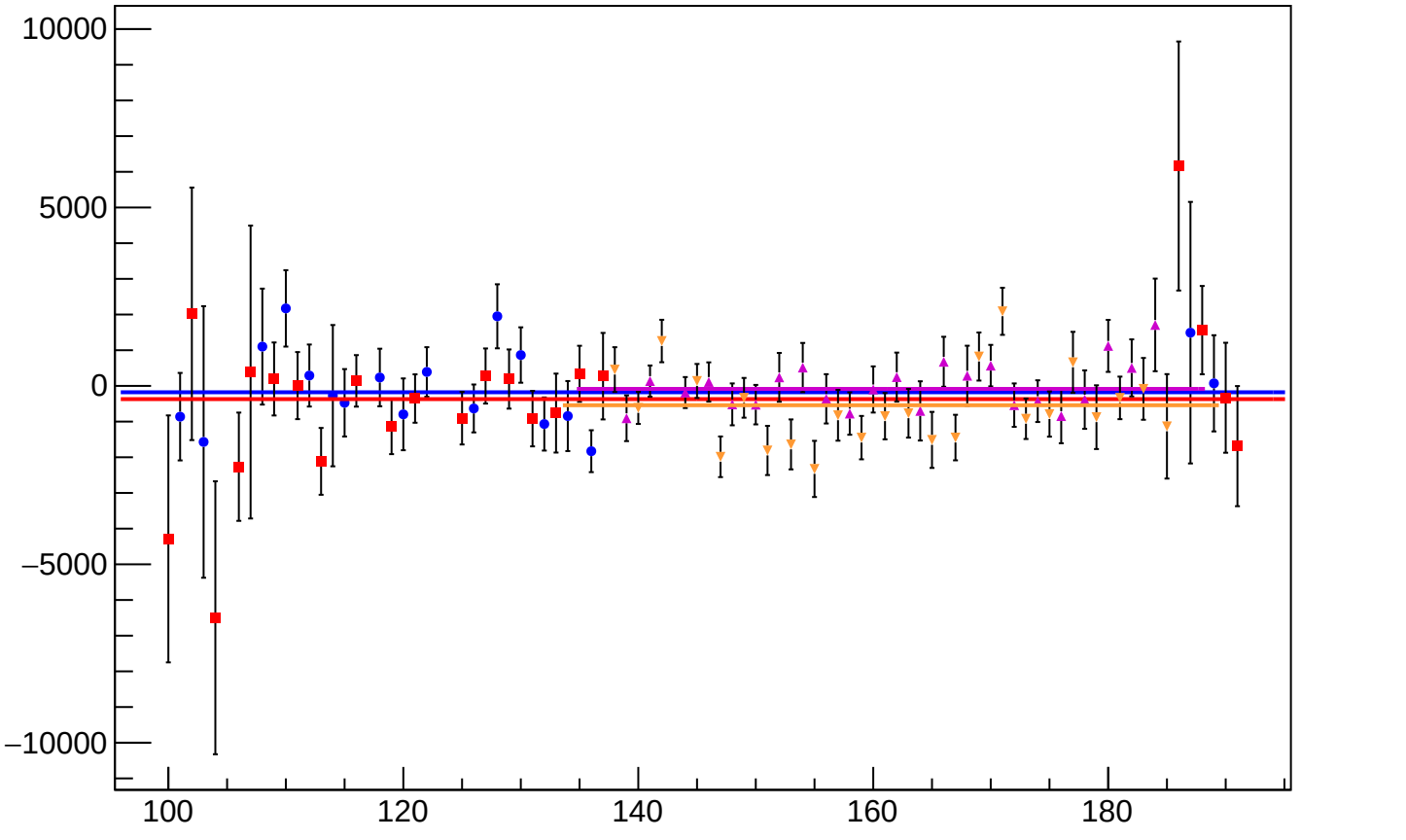
Right Out: 1254.620+/-0.296 χ^2/NDF: 574878.3/21

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

+ sign 1145.795+/-0.158 χ^2/NDF: 415912.7/41

All: 1152.123+/-0.111 χ^2/NDF: 1150216.5/86

- sign 1158.372+/-0.157 χ^2/NDF: 731113.0/44



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: -370.260+/-218.300 χ^2/NDF: 21.3/21

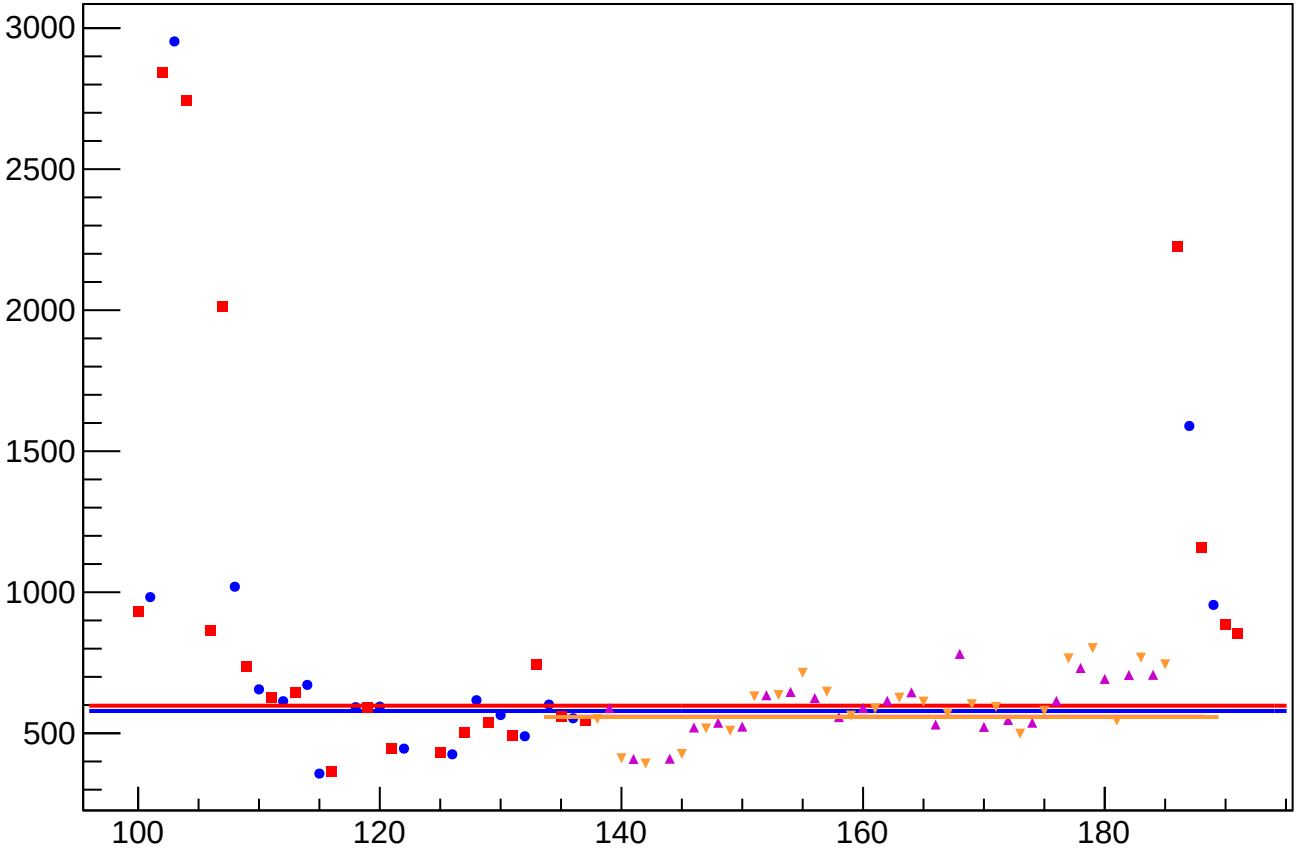
Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

+ sign -445.077+/-113.113 χ^2/NDF: 88.4/41

All: -303.370+/-80.048 χ^2/NDF: 130.5/86

- sign -161.197+/-113.298 χ^2/NDF: 39.0/44

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: 597.782+/-0.154 χ^2/NDF: 3286852.5/21

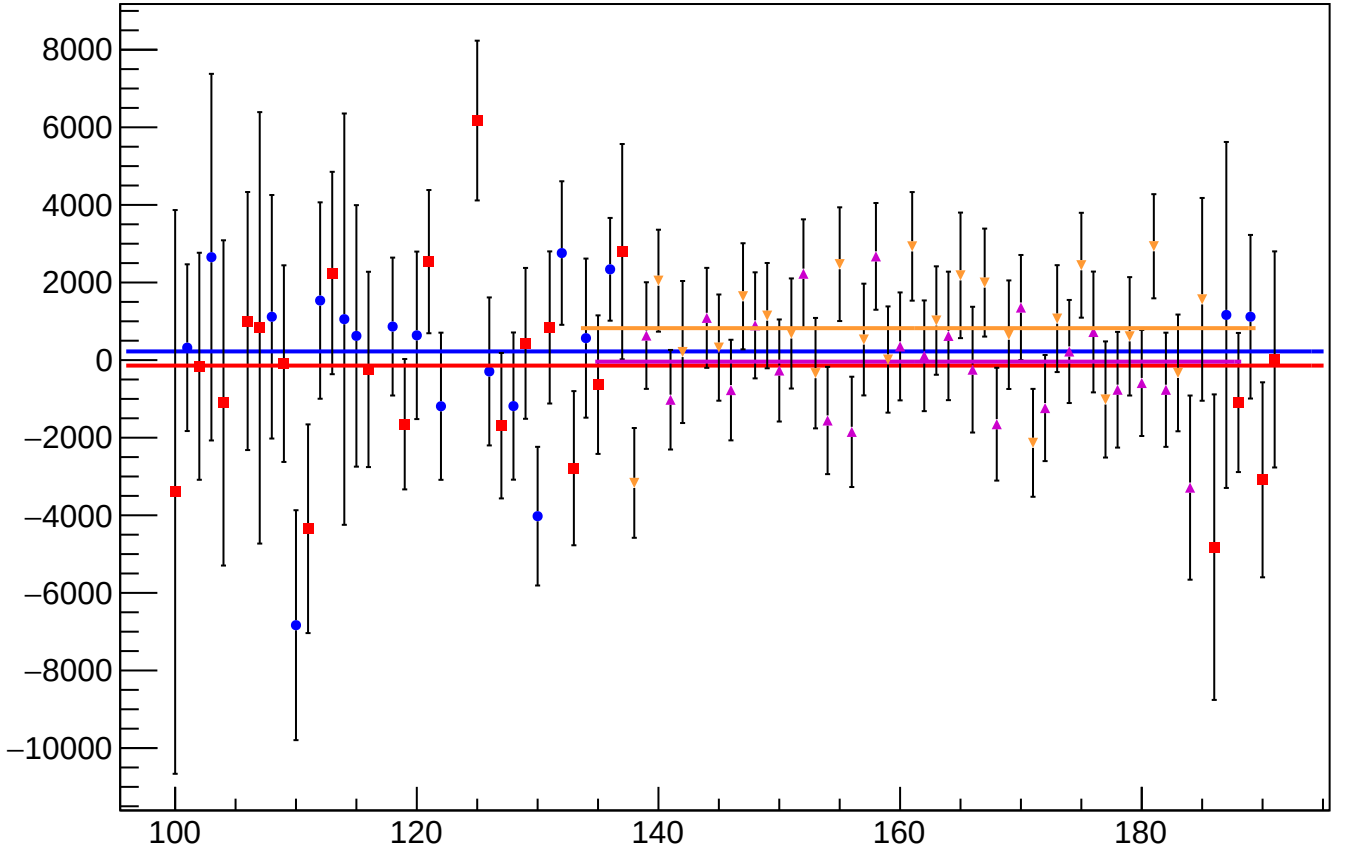
Left In: 558.392+/-0.094 χ^2/NDF:1027828.9/22

+ sign 563.250+/-0.080 χ^2/NDF: 3003251.3/41

All: 566.121+/-0.057 χ^2/NDF: 7368091.1/86

- sign 569.003+/-0.080 χ^2/NDF: 4362257.5/44

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: -141.491+/-502.092 χ^2/NDF: 23.1/21

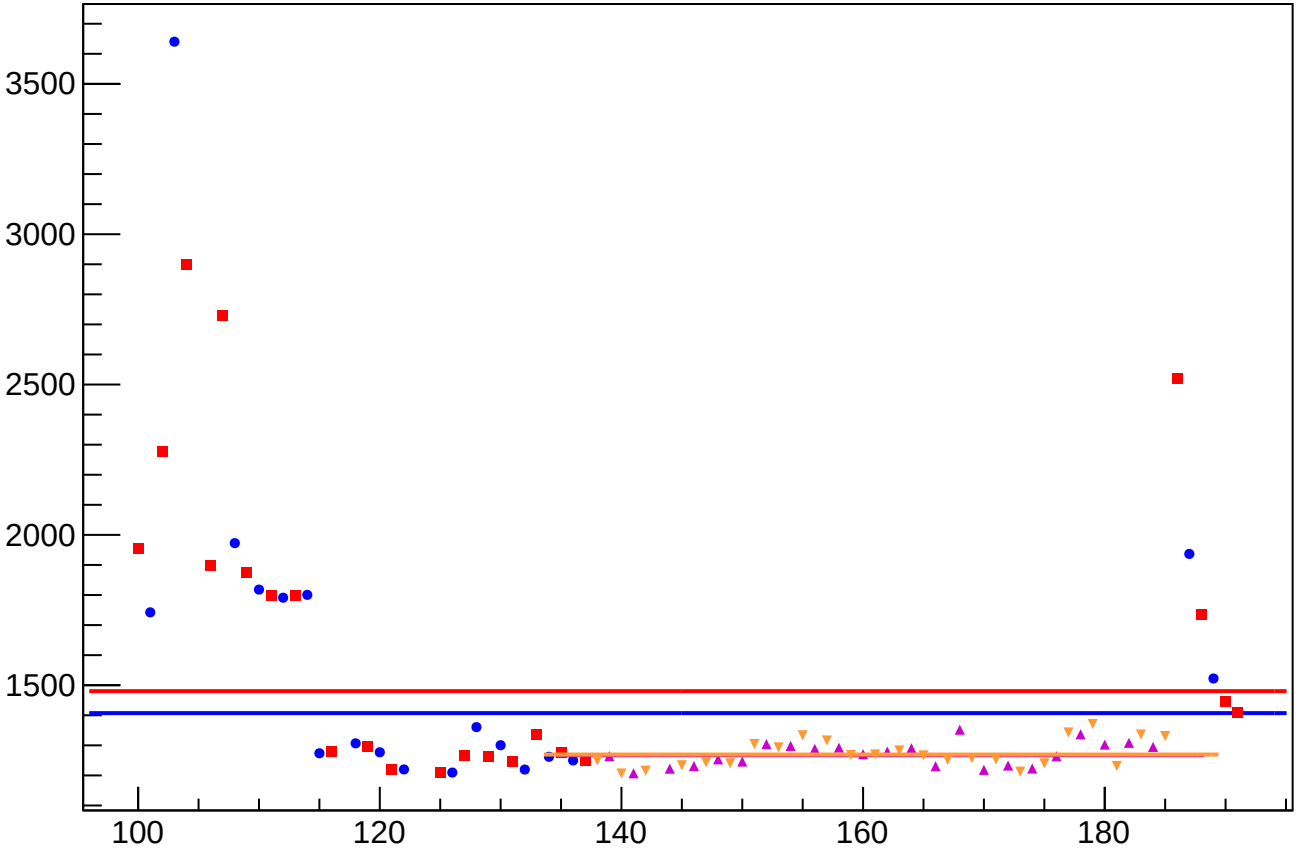
Left In: -39.696+/-296.006 χ^2/NDF:17.9/22

+ sign 674.215+/-255.563 χ^2/NDF: 45.2/41

All: 303.304+/-180.508 χ^2/NDF: 90.4/86

- sign -65.951+/-254.992 χ^2/NDF: 41.0/44

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

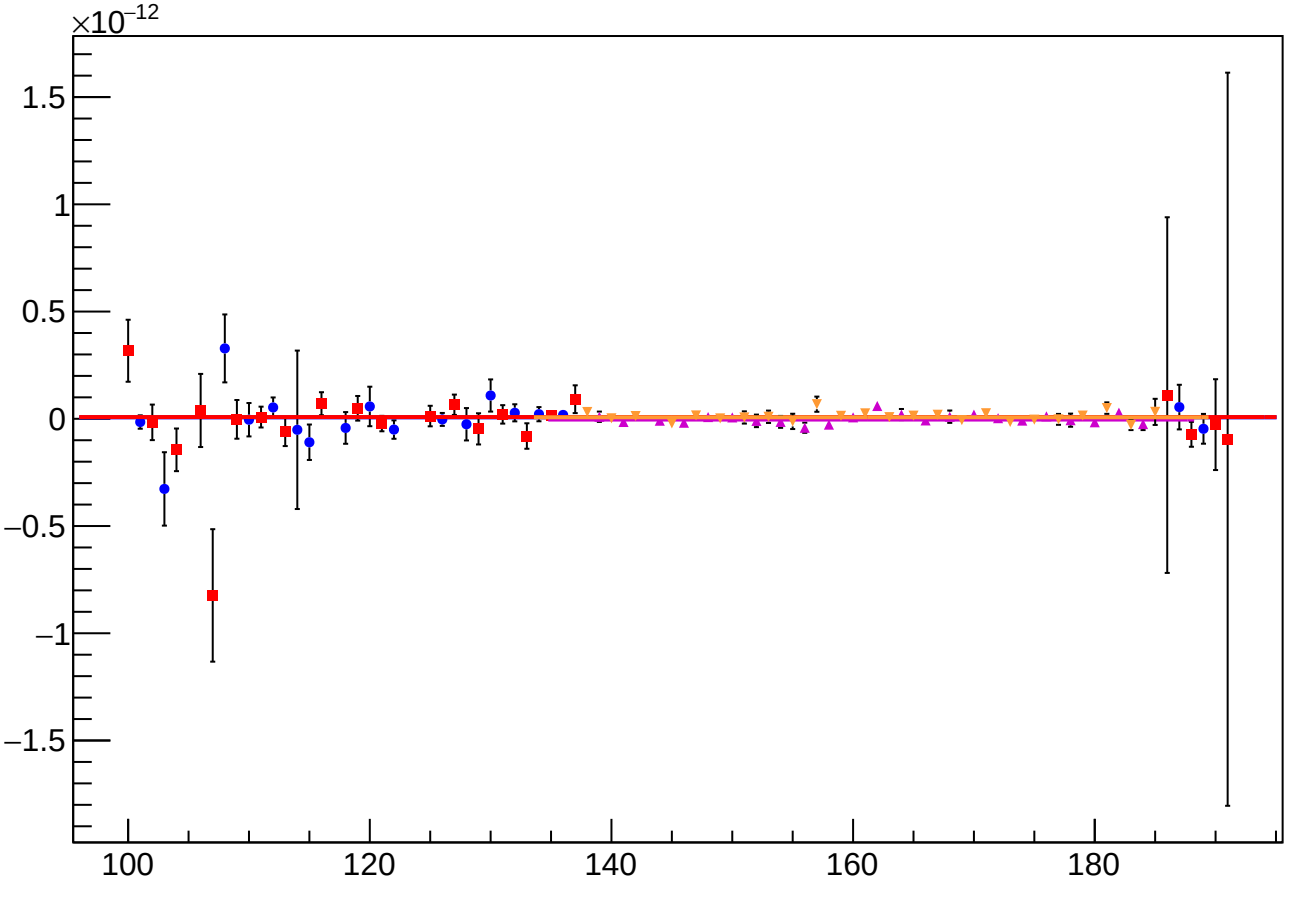
Right Out: 1480.234+/-0.355 χ^2/NDF: 1047493.1/21

Left In: 1267.066+/-0.209 χ^2/NDF:34547.0/22

+ sign 1303.690+/-0.181 χ^2/NDF: 966563.0/41

All: 1312.889+/-0.128 χ^2/NDF: 2321293.8/86

- sign 1322.046+/-0.180 χ^2/NDF: 1349560.4/44



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: 26.1/21

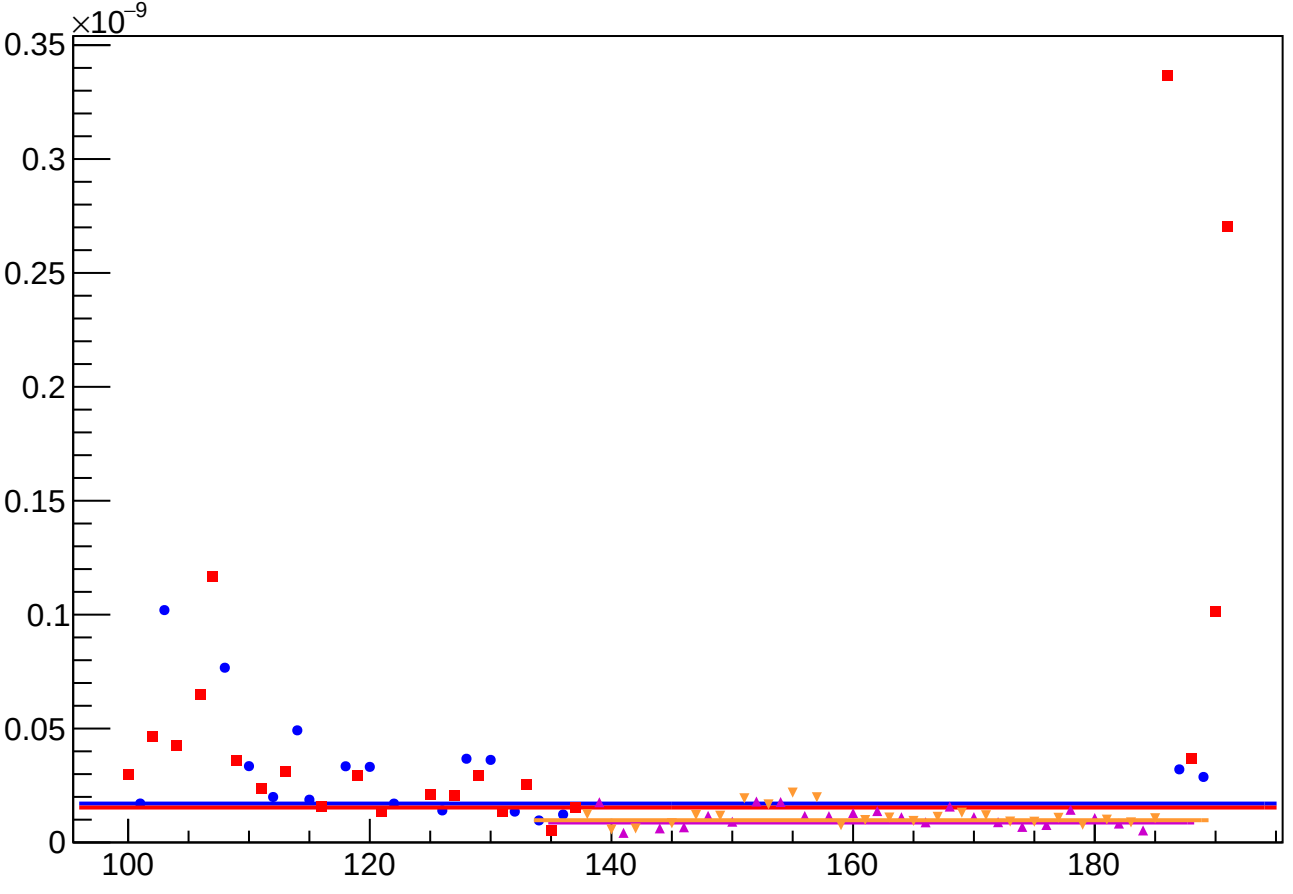
Left In: -0.000+/-0.000 χ^2/NDF:23.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 37.5/41

All: 0.000+/-0.000 χ^2/NDF: 90.9/86

- sign -0.000+/-0.000 χ^2/NDF: 50.2/44

asym_usl_atl1_dd_reg_vs_cor_diff_rms vs Slug



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: 3222076.7/21

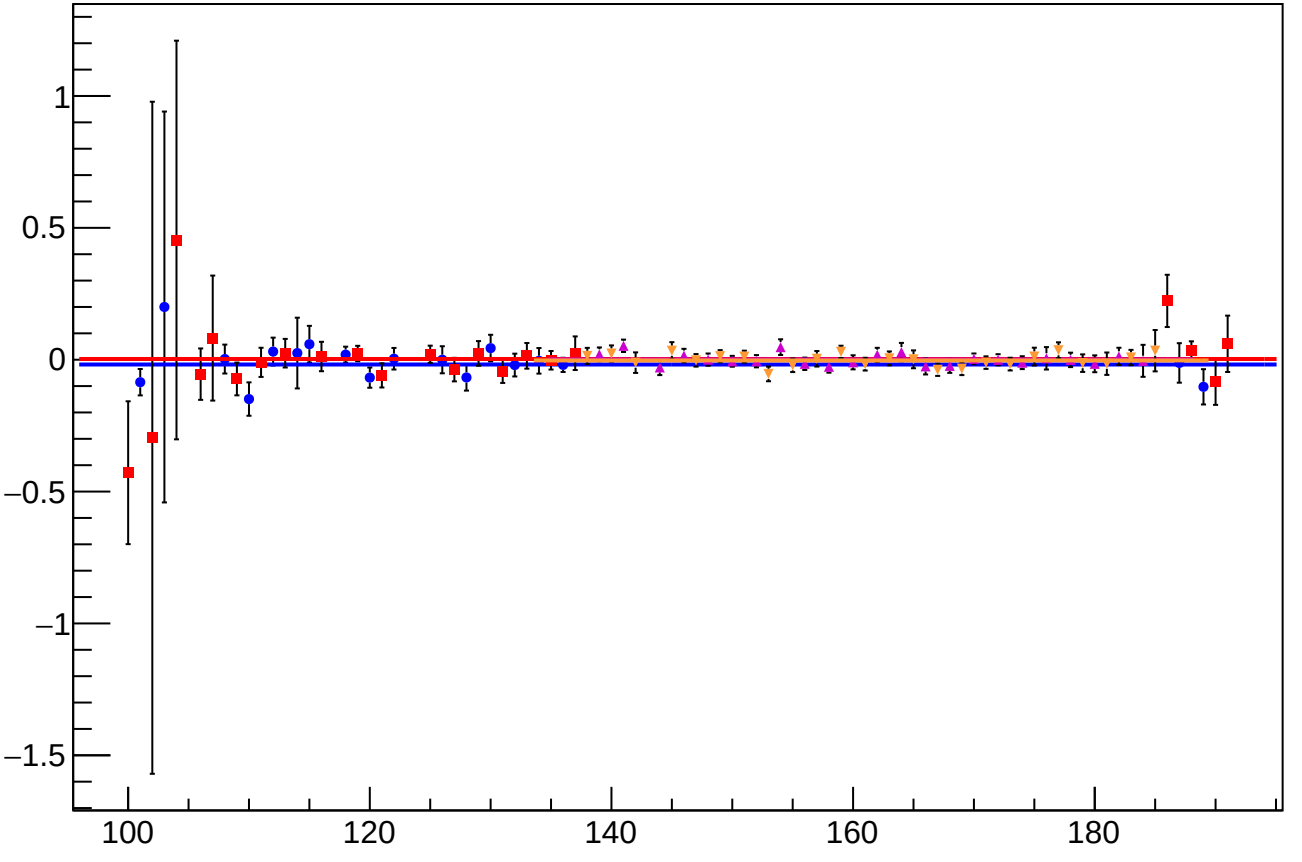
Left In: 0.000+/-0.000 χ^2/NDF:1928867.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 3870702.6/41

All: 0.000+/-0.000 χ^2/NDF: 9832363.0/86

- sign 0.000+/-0.000 χ^2/NDF: 5859306.0/44

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: 16.9/21

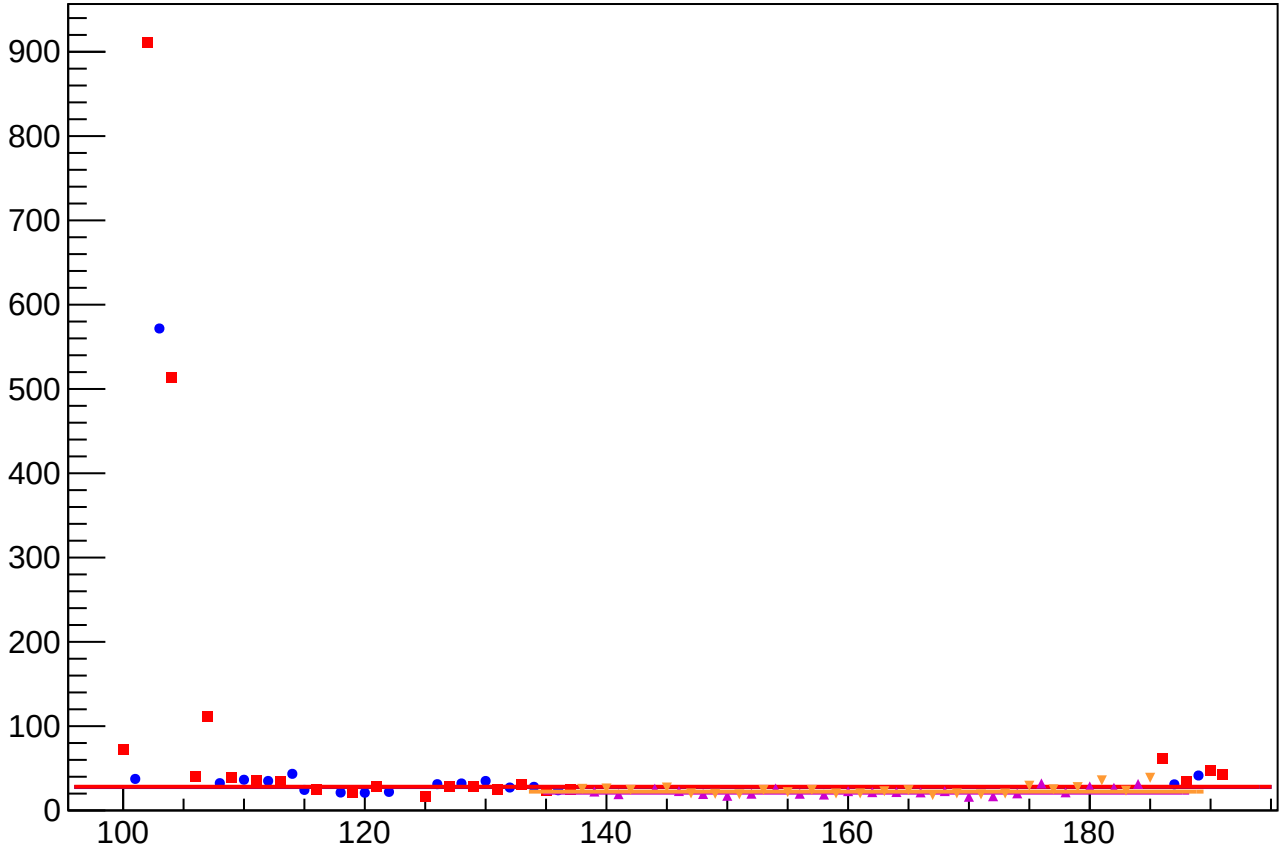
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.006+/-0.005 χ^2/NDF: 34.1/41

All: -0.002+/-0.004 χ^2/NDF: 67.0/86

- sign 0.001+/-0.005 χ^2/NDF: 31.9/44

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

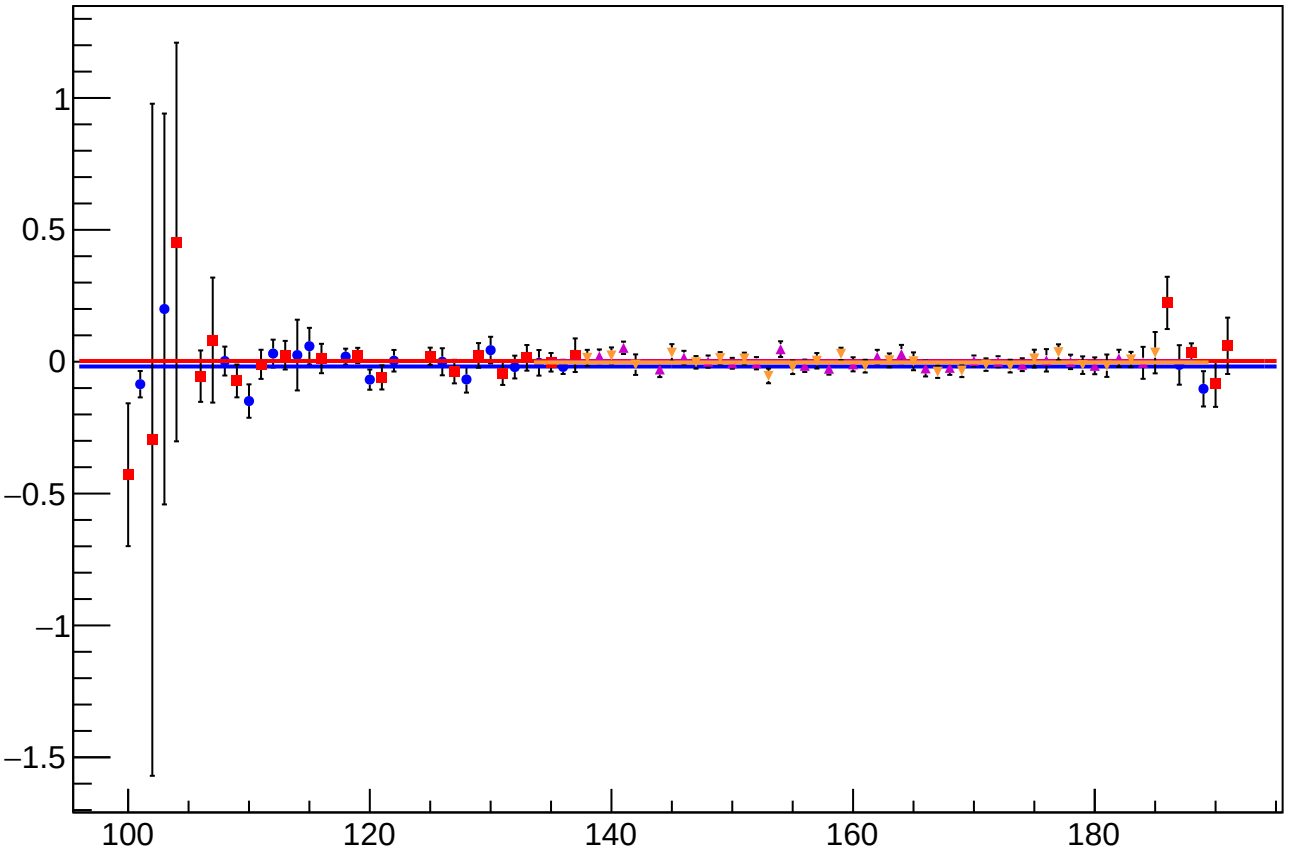
Right Out: 28.094+/-0.008 χ^2/NDF: 3075175.8/21

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

+ sign 23.458+/-0.004 χ^2/NDF: 2846144.9/41

All: 22.936+/-0.002 χ^2/NDF: 7412451.5/86

- sign 22.446+/-0.003 χ^2/NDF: 4525217.2/44



Right In: -0.018+/-0.011 χ^2/NDF: 16.3/17

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

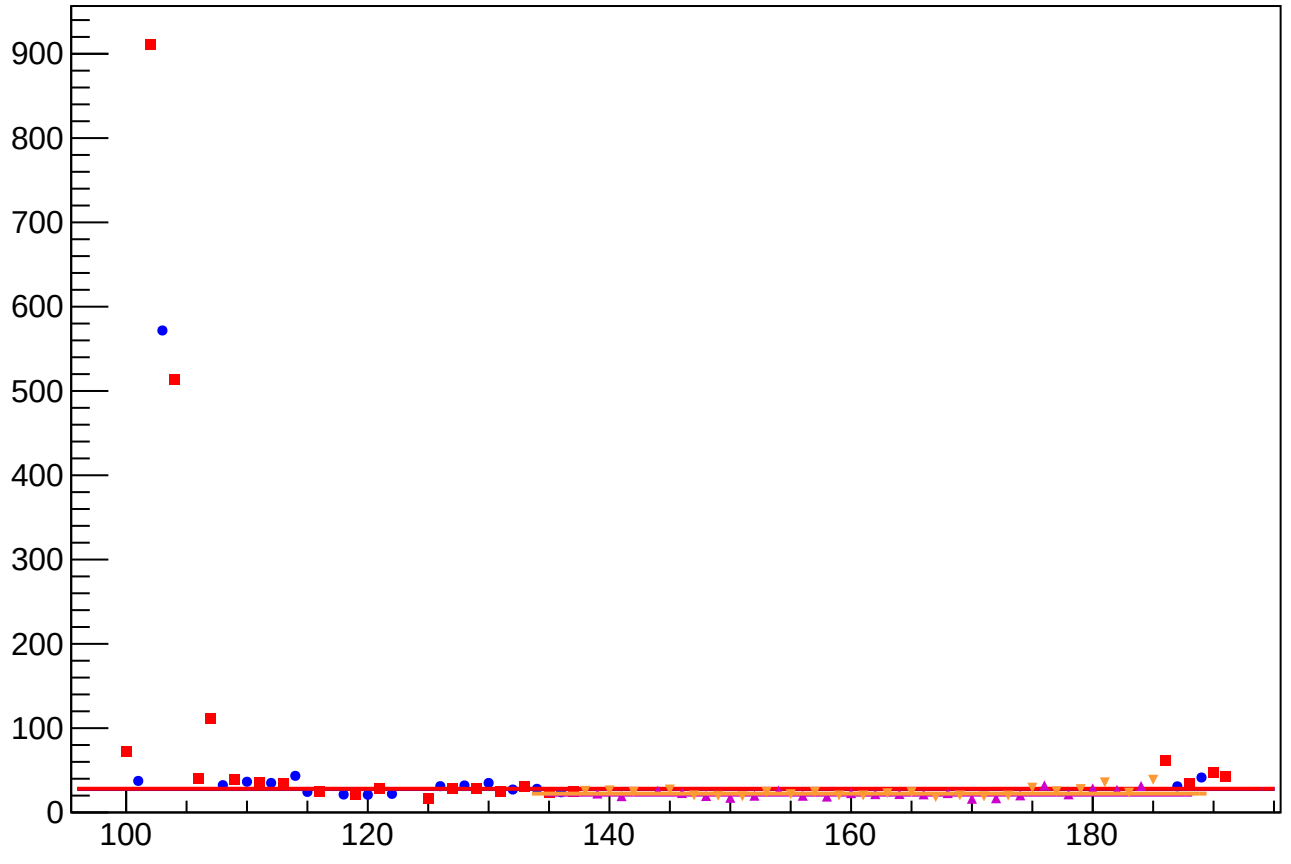
Right Out: 0.003+/-0.011 χ^2/NDF: 16.9/21

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: 67.0/86

- sign 0.001+/-0.005 χ^2/NDF: 31.9/44



Right In: 27.789+/-0.008 χ^2/NDF: 1658968.0/17

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

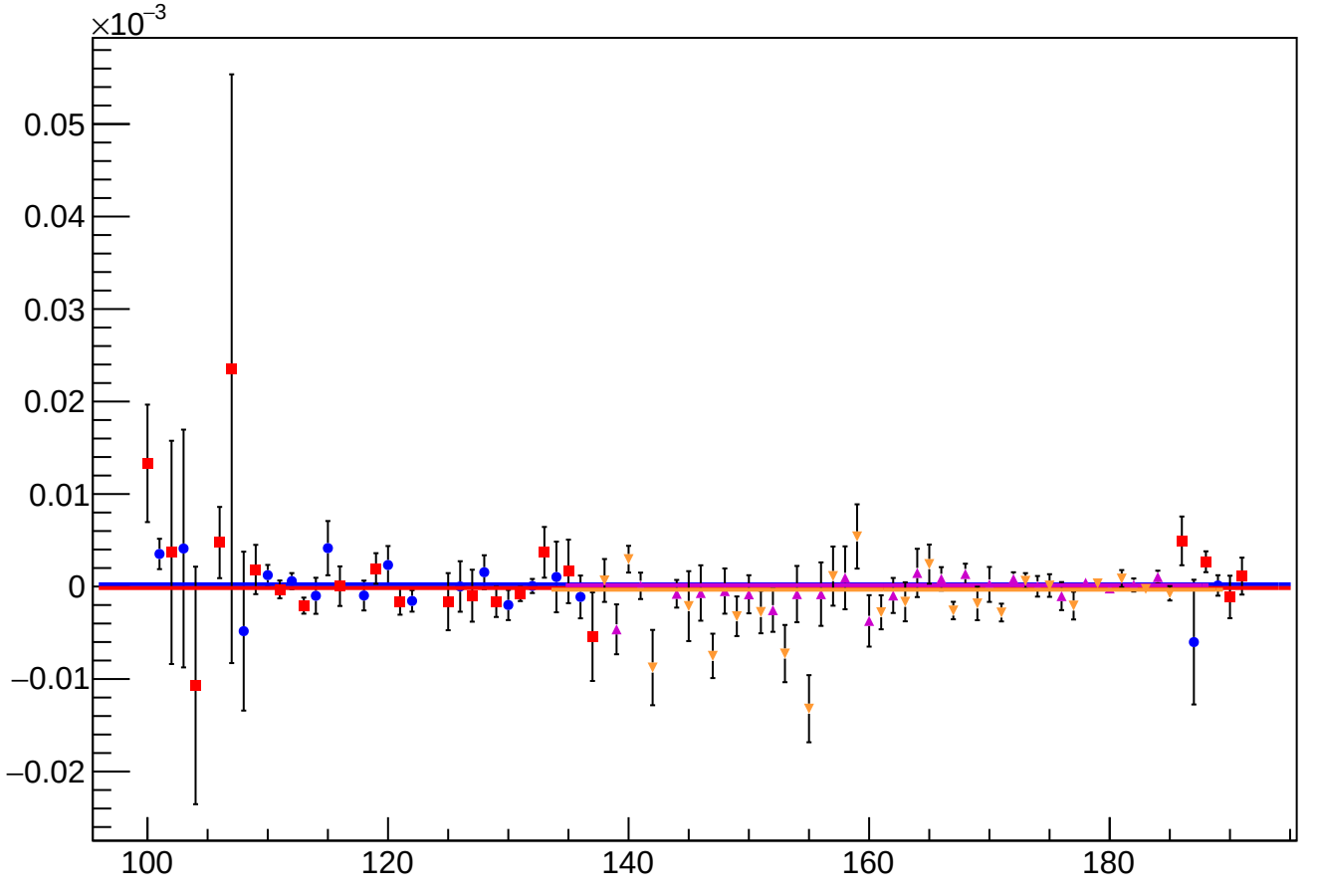
Right Out: 28.094+/-0.008 χ^2/NDF: 3075175.8/21

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

\+ sign 23.458+/-0.004 χ^2/NDF: 2846144.9/41

All: 22.936+/-0.002 χ^2/NDF: 7412451.5/86

\- sign 22.446+/-0.003 χ^2/NDF: 4525217.2/44



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: 31.5/21

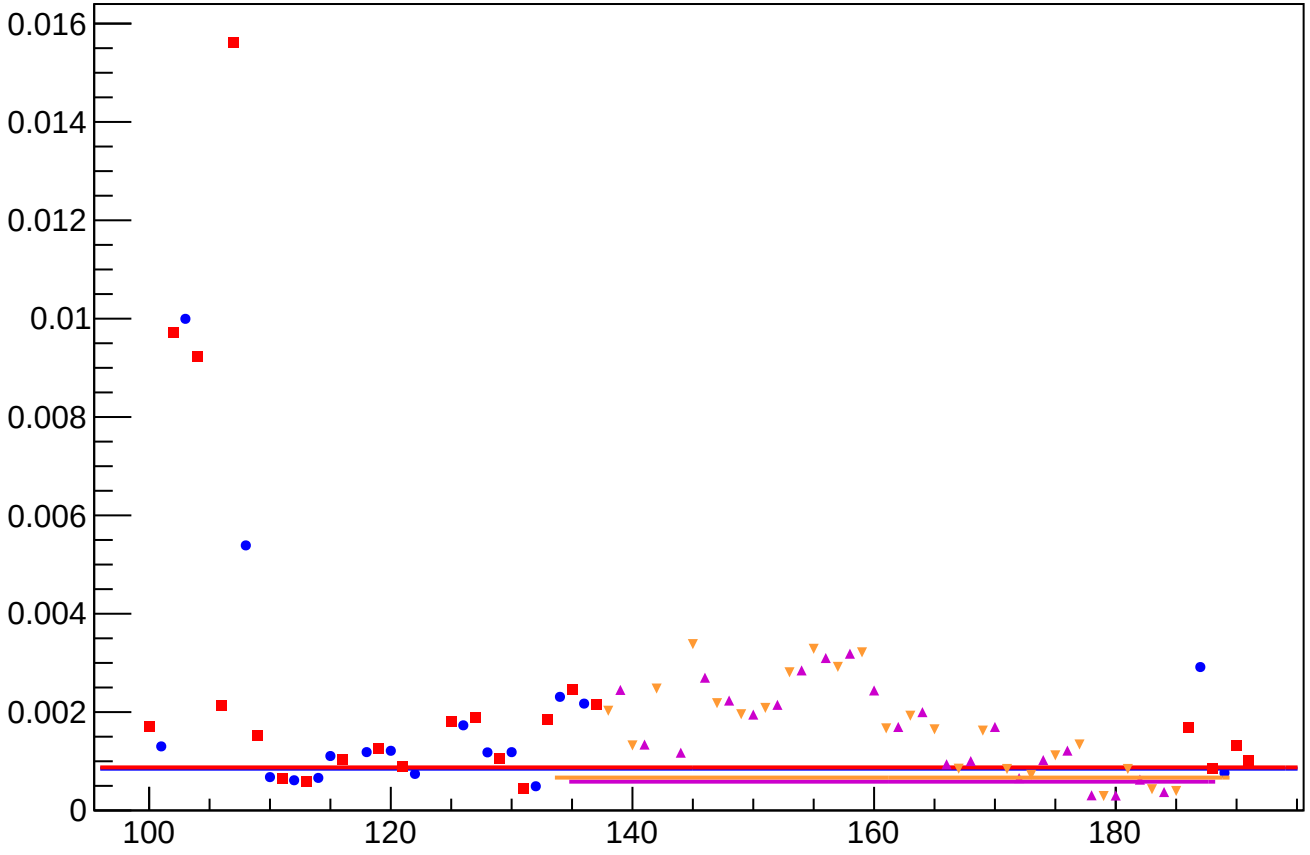
Left In: 0.000+/-0.000 χ^2/NDF:14.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 85.4/41

All: -0.000+/-0.000 χ^2/NDF: 133.0/86

- sign 0.000+/-0.000 χ^2/NDF: 46.3/44

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 4063818.9/17

Left Out: 0.001+/-0.000 χ^2/NDF:15375915.0/23

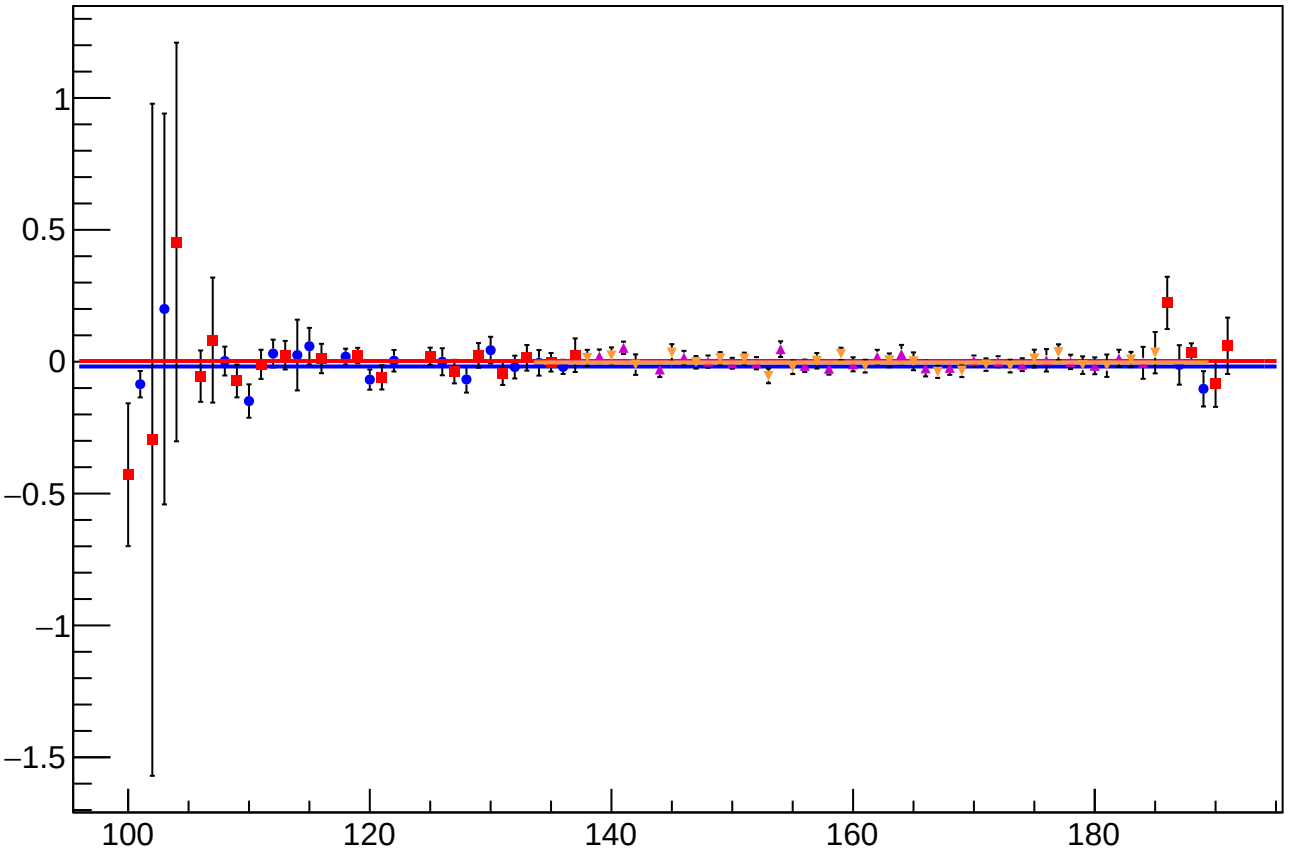
Right Out: 0.001+/-0.000 χ^2/NDF: 5329915.6/21

Left In: 0.001+/-0.000 χ^2/NDF:15658683.6/22

+ sign 0.001+/-0.000 χ^2/NDF: 19829814.4/41

All: 0.001+/-0.000 χ^2/NDF: 41978949.8/86

- sign 0.001+/-0.000 χ^2/NDF: 21999973.6/44



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: 16.9/21

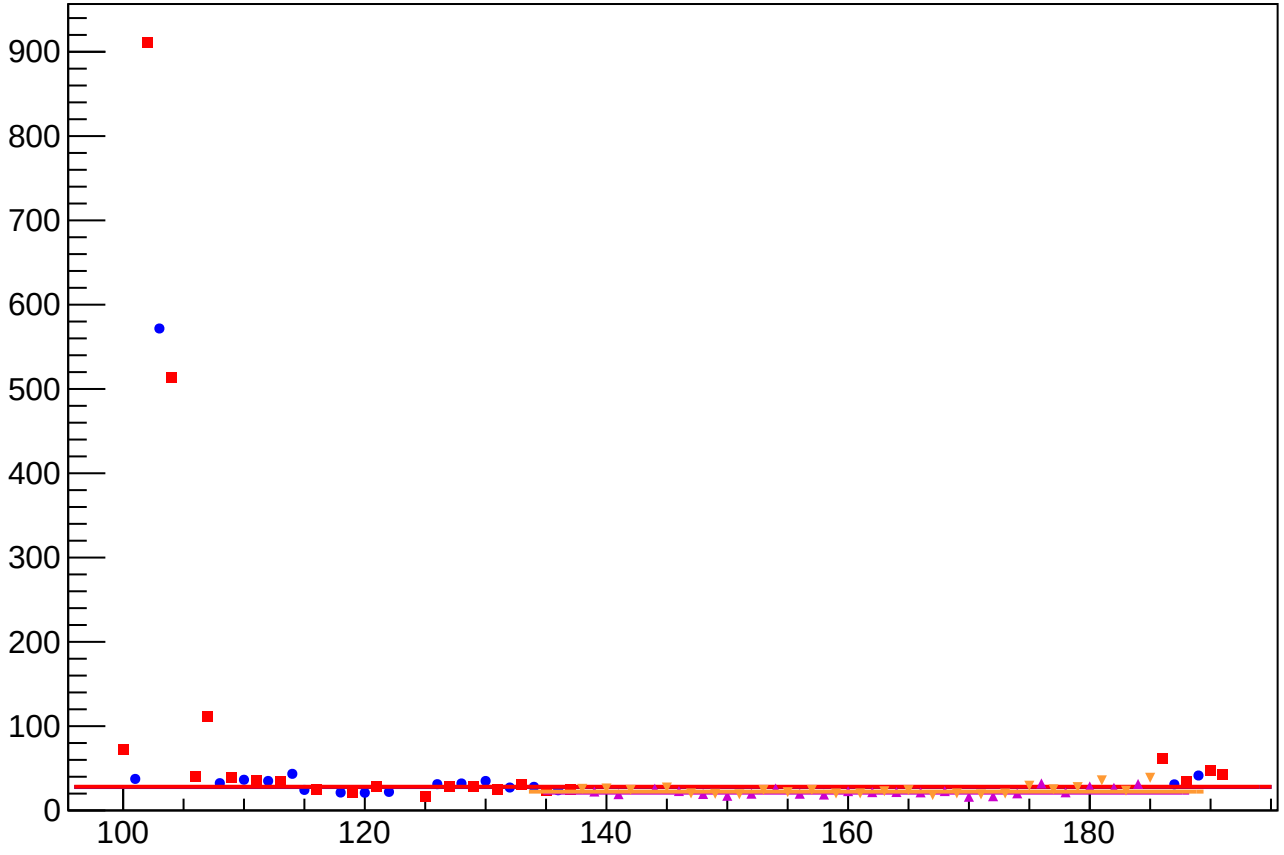
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.006+/-0.005 χ^2/NDF: 34.1/41

All: -0.002+/-0.004 χ^2/NDF: 67.0/86

- sign 0.001+/-0.005 χ^2/NDF: 31.9/44

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 27.789+/-0.008 χ^2/NDF: 1658961.6/17

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

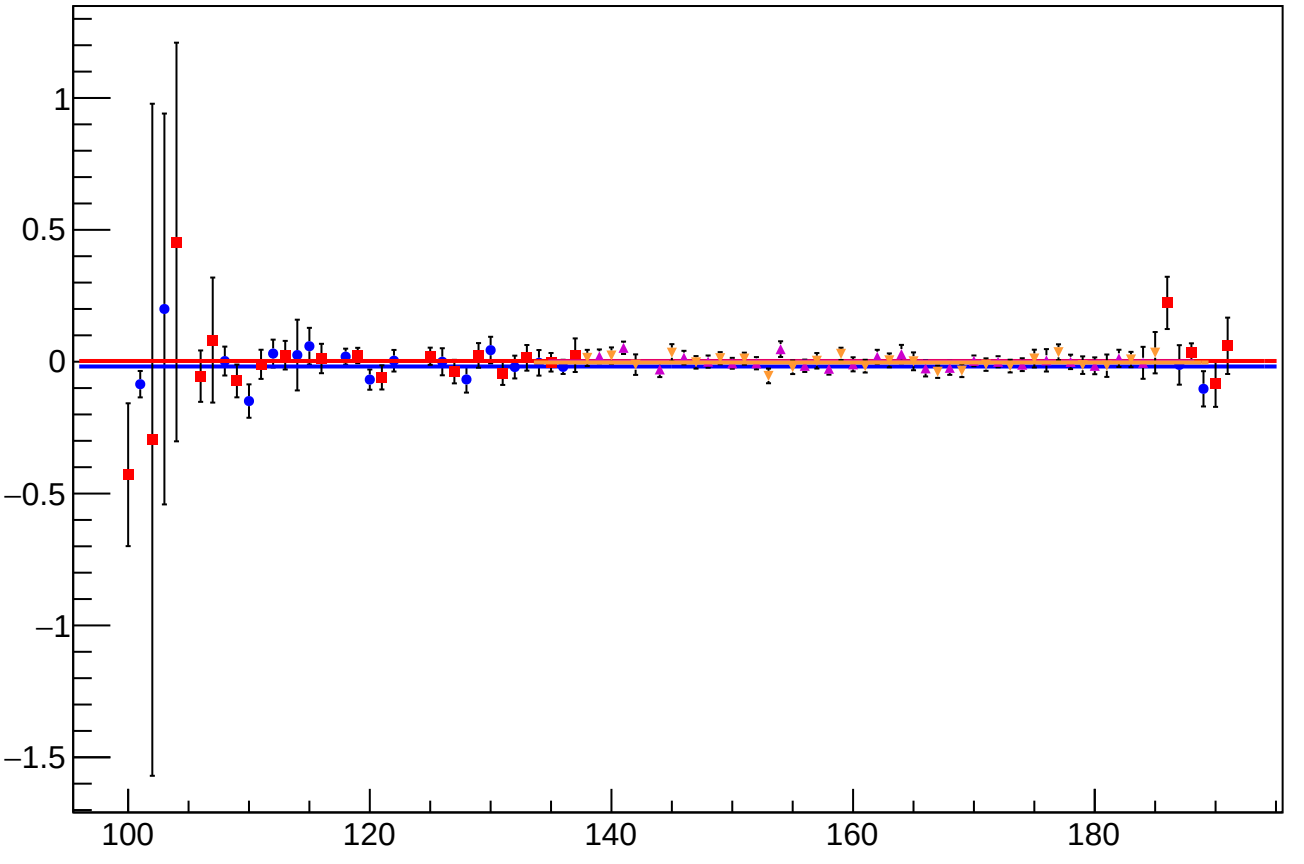
Right Out: 28.094+/-0.008 χ^2/NDF: 3075180.8/21

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

+ sign 23.458+/-0.004 χ^2/NDF: 2846112.0/41

All: 22.936+/-0.002 χ^2/NDF: 7412429.3/86

- sign 22.446+/-0.003 χ^2/NDF: 4525229.2/44



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: 16.9/21

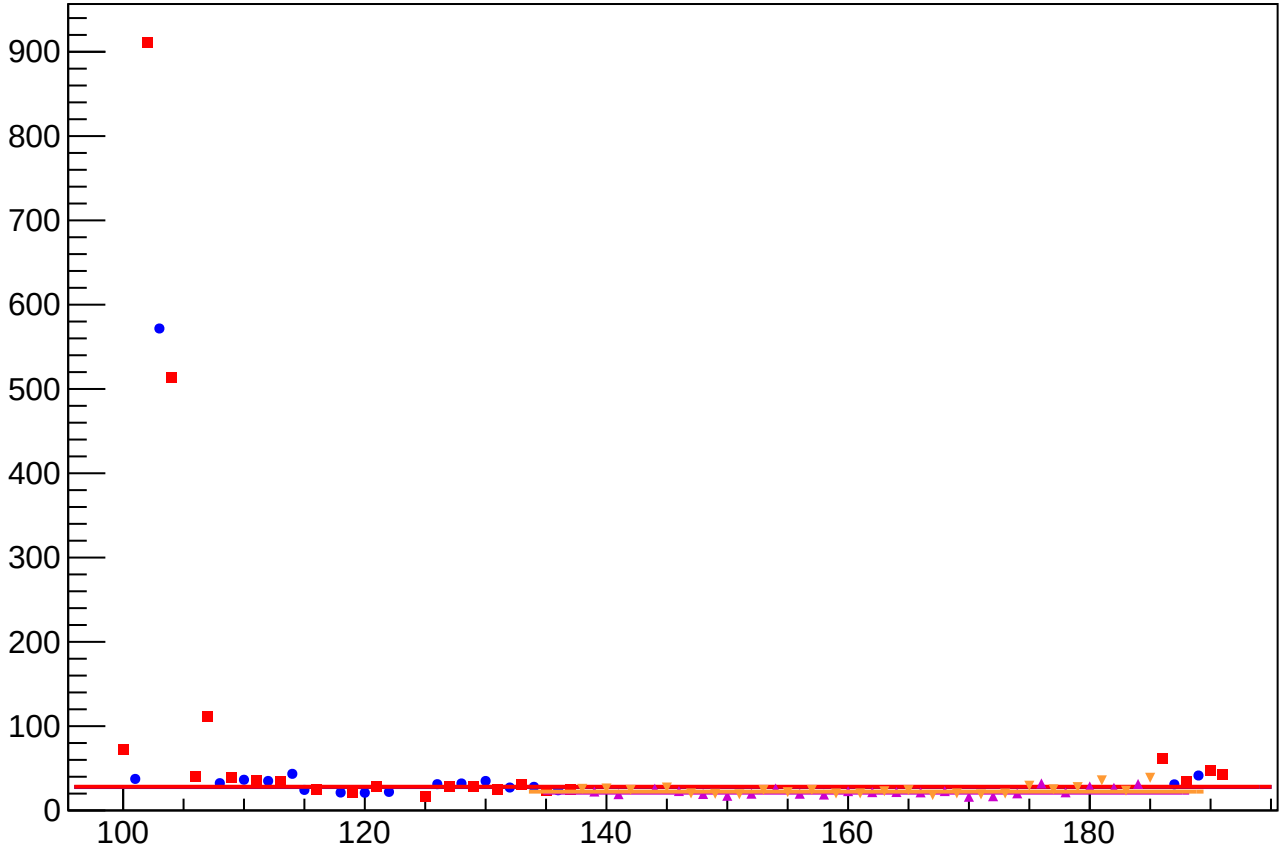
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.006+/-0.005 χ^2/NDF: 34.1/41

All: -0.002+/-0.004 χ^2/NDF: 67.0/86

- sign 0.001+/-0.005 χ^2/NDF: 31.9/44

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.789+/-0.008 χ^2/NDF: 1658961.6/17

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

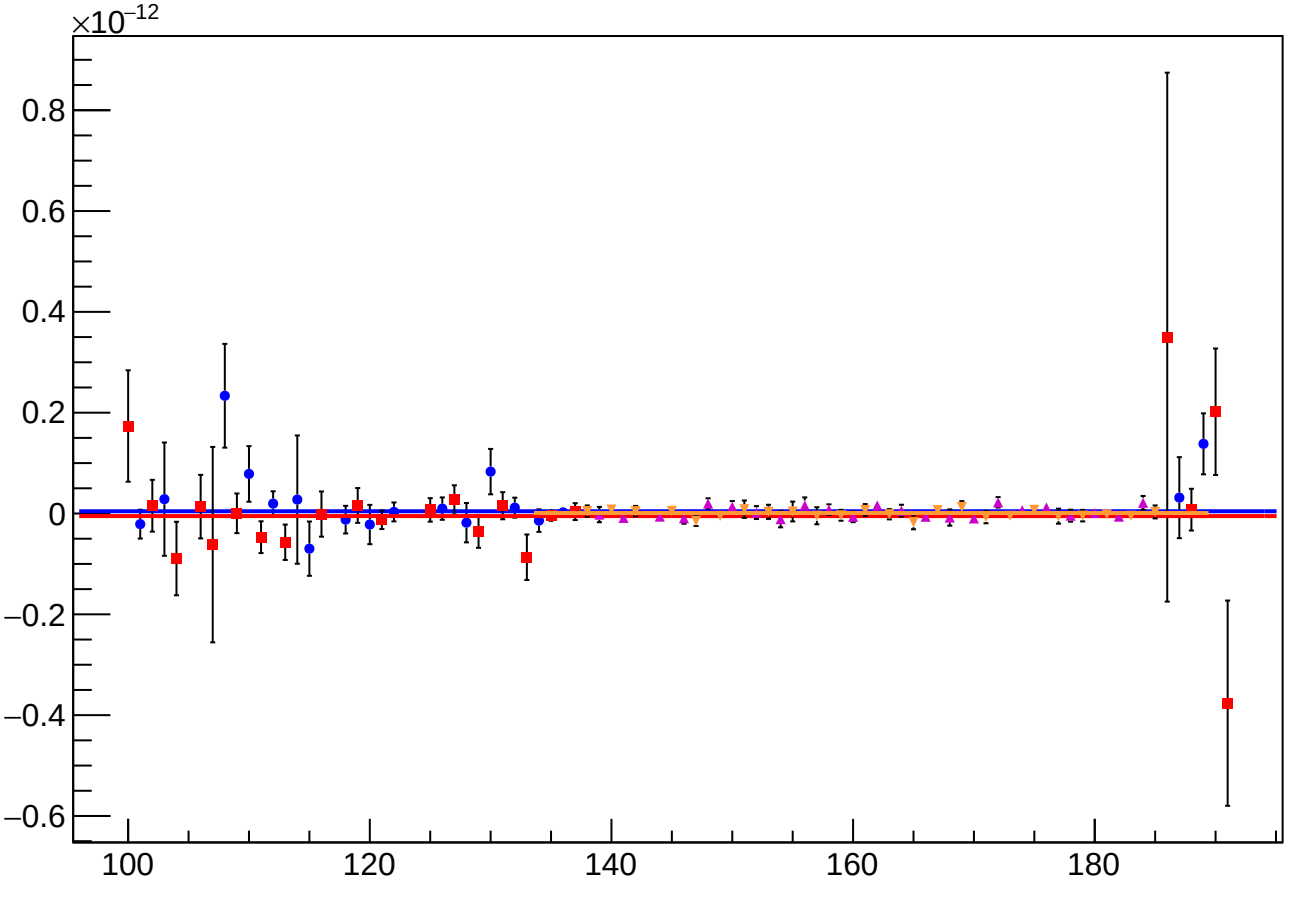
Right Out: 28.094+/-0.008 χ^2/NDF: 3075180.8/21

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

+ sign 23.458+/-0.004 χ^2/NDF: 2846112.0/41

All: 22.936+/-0.002 χ^2/NDF: 7412429.3/86

- sign 22.446+/-0.003 χ^2/NDF: 4525229.2/44



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/23

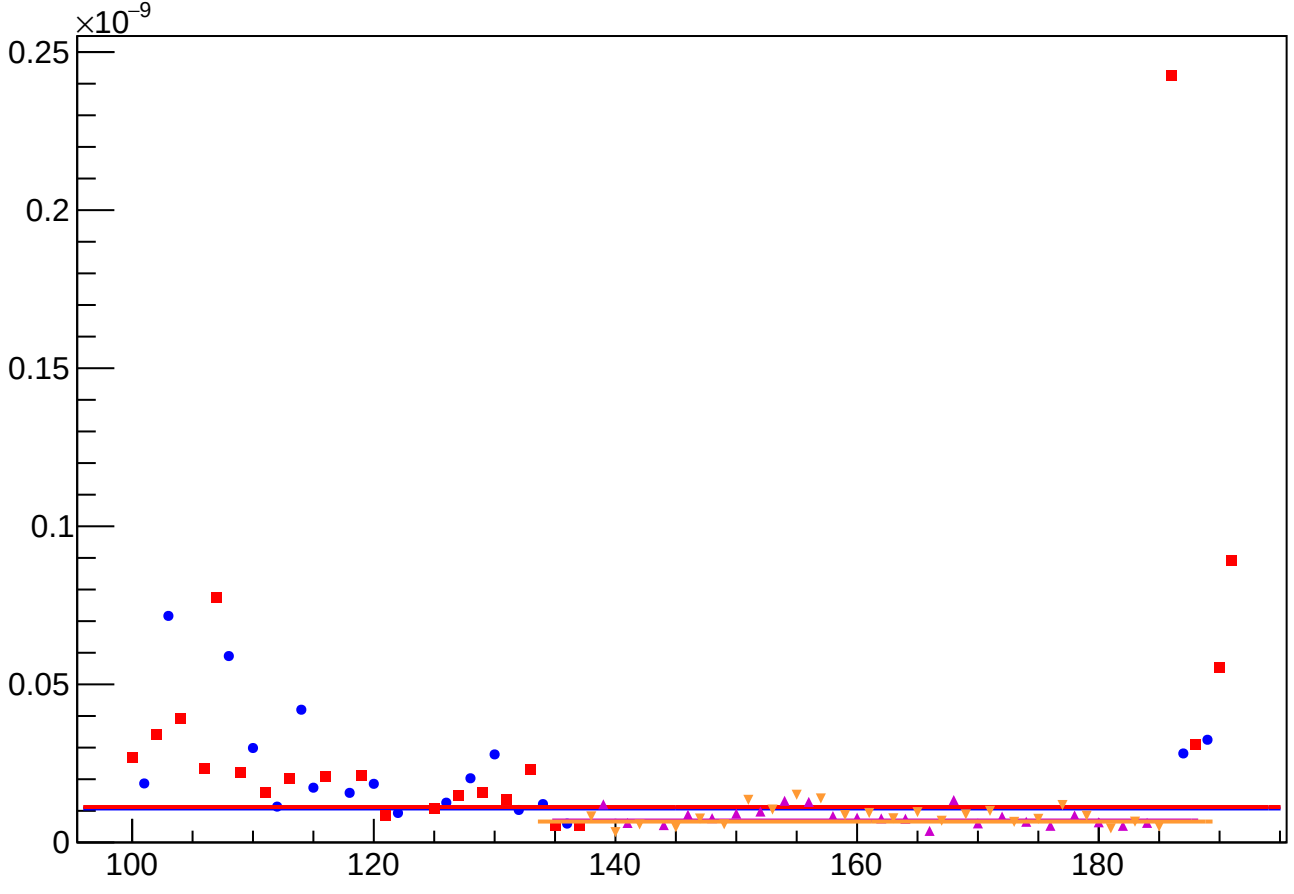
Right Out: -0.000+/-0.000 χ^2/NDF: 21.9/21

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: 80.7/86

- sign 0.000+/-0.000 χ^2/NDF: 48.6/44



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: 4181807.5/21

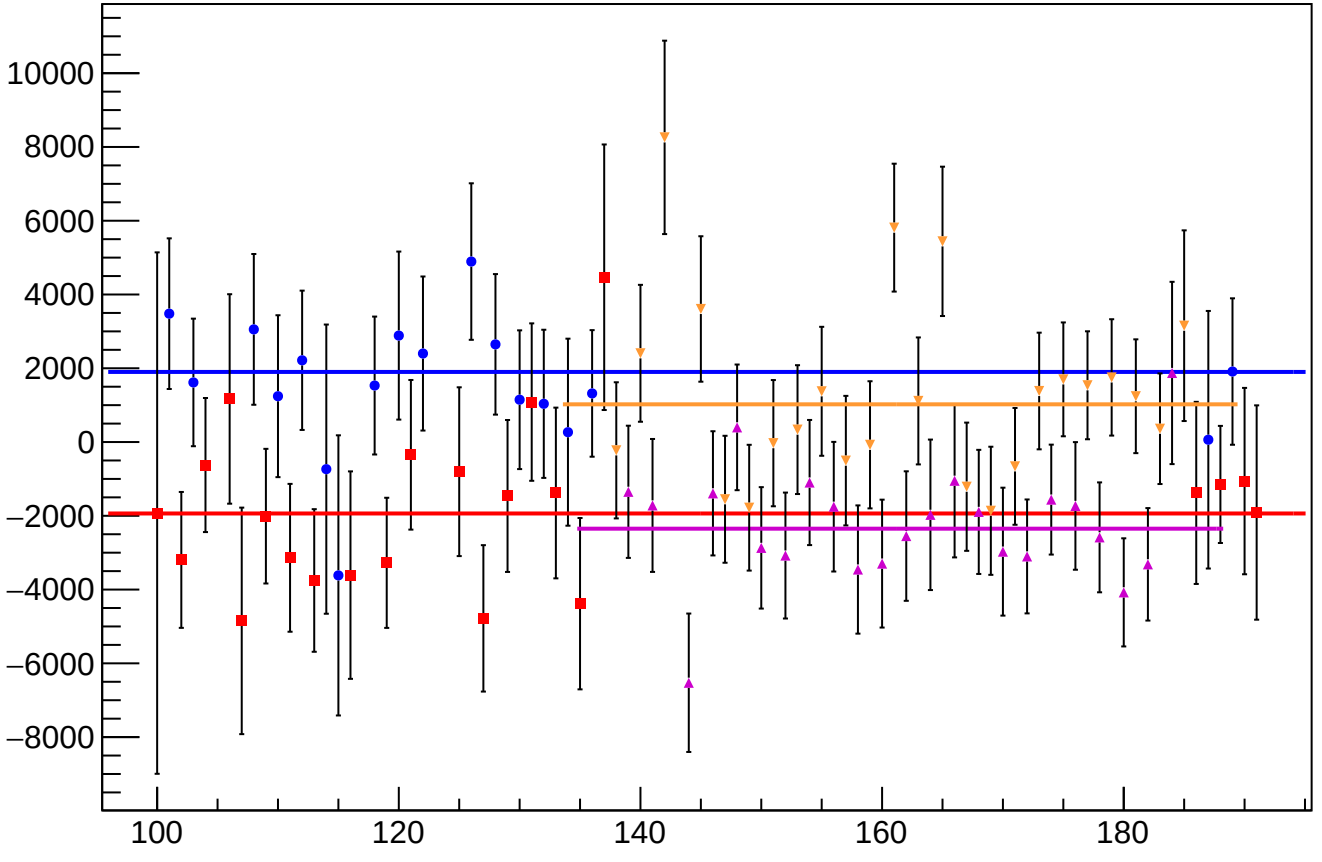
Left In: 0.000+/-0.000 χ^2/NDF:2315472.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 7548350.2/41

All: 0.000+/-0.000 χ^2/NDF: 14979105.7/86

- sign 0.000+/-0.000 χ^2/NDF: 7402389.4/44

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: -1936.942+/-469.315 χ^2/NDF: 15.0/21

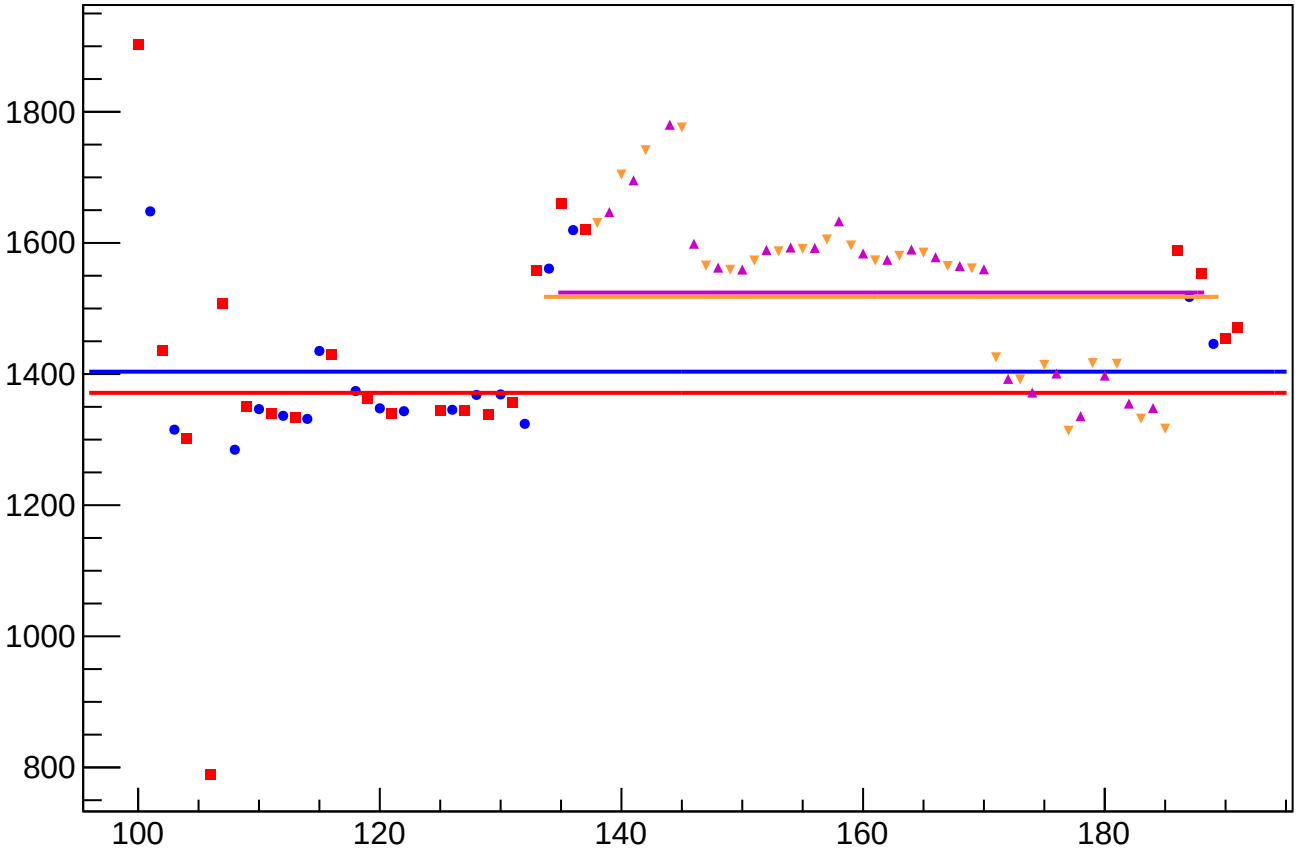
Left In: -2349.189+/-357.068 χ^2/NDF:16.0/22

+ sign 1315.326+/-288.584 χ^2/NDF: 45.7/41

All: -468.433+/-202.481 χ^2/NDF: 152.4/86

- sign -2198.046+/-284.171 χ^2/NDF: 31.4/44

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

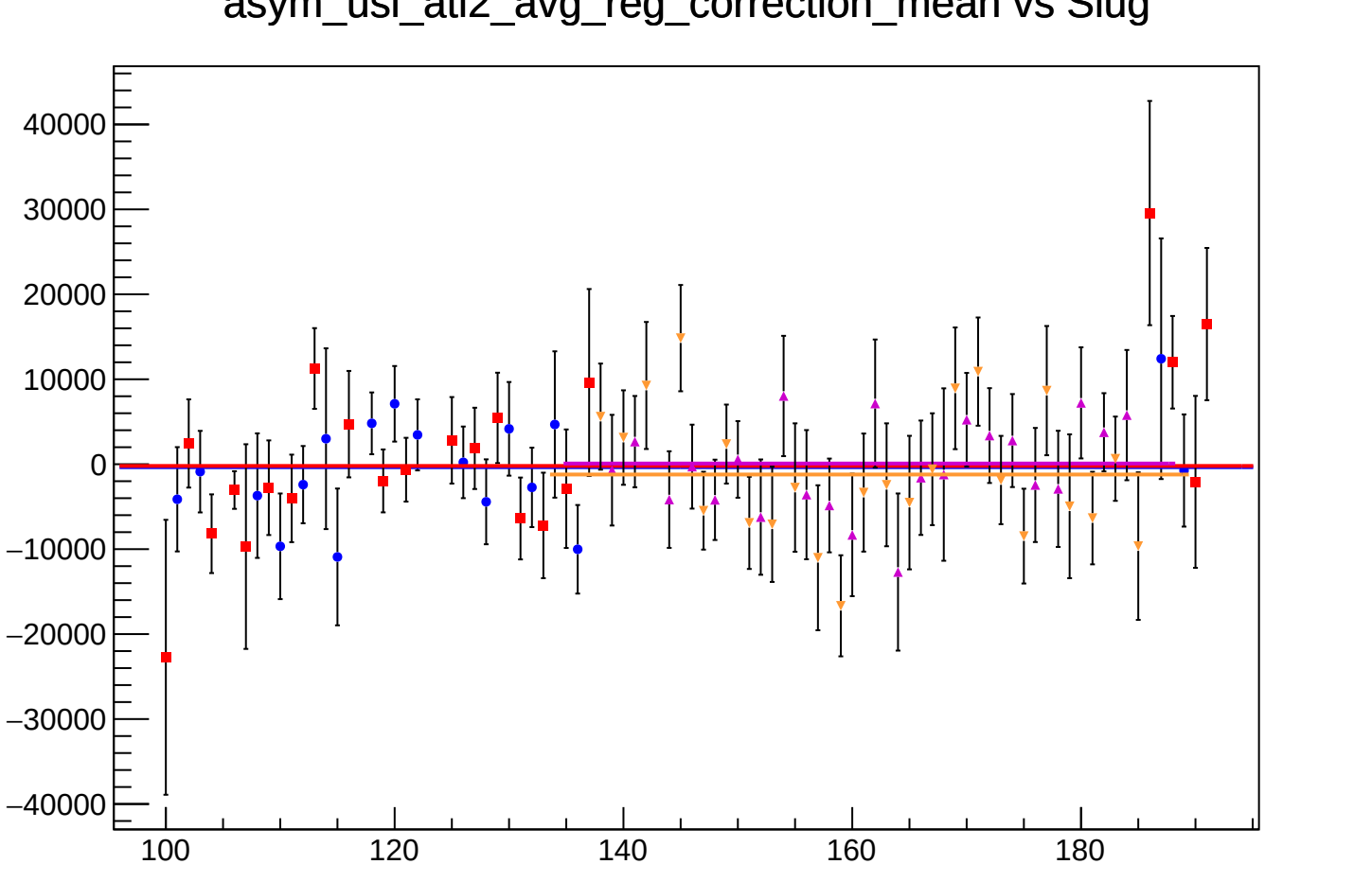
Right Out: 1371.343+/-0.323 χ^2/NDF: 372670.1/21

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1479.750+/-0.204 χ^2/NDF: 400718.4/41

All: 1472.889+/-0.142 χ^2/NDF: 1138970.0/86

- sign 1466.365+/-0.199 χ^2/NDF: 736046.2/44



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: -203.647+/-1078.956 χ^2/NDF: 34.0/21

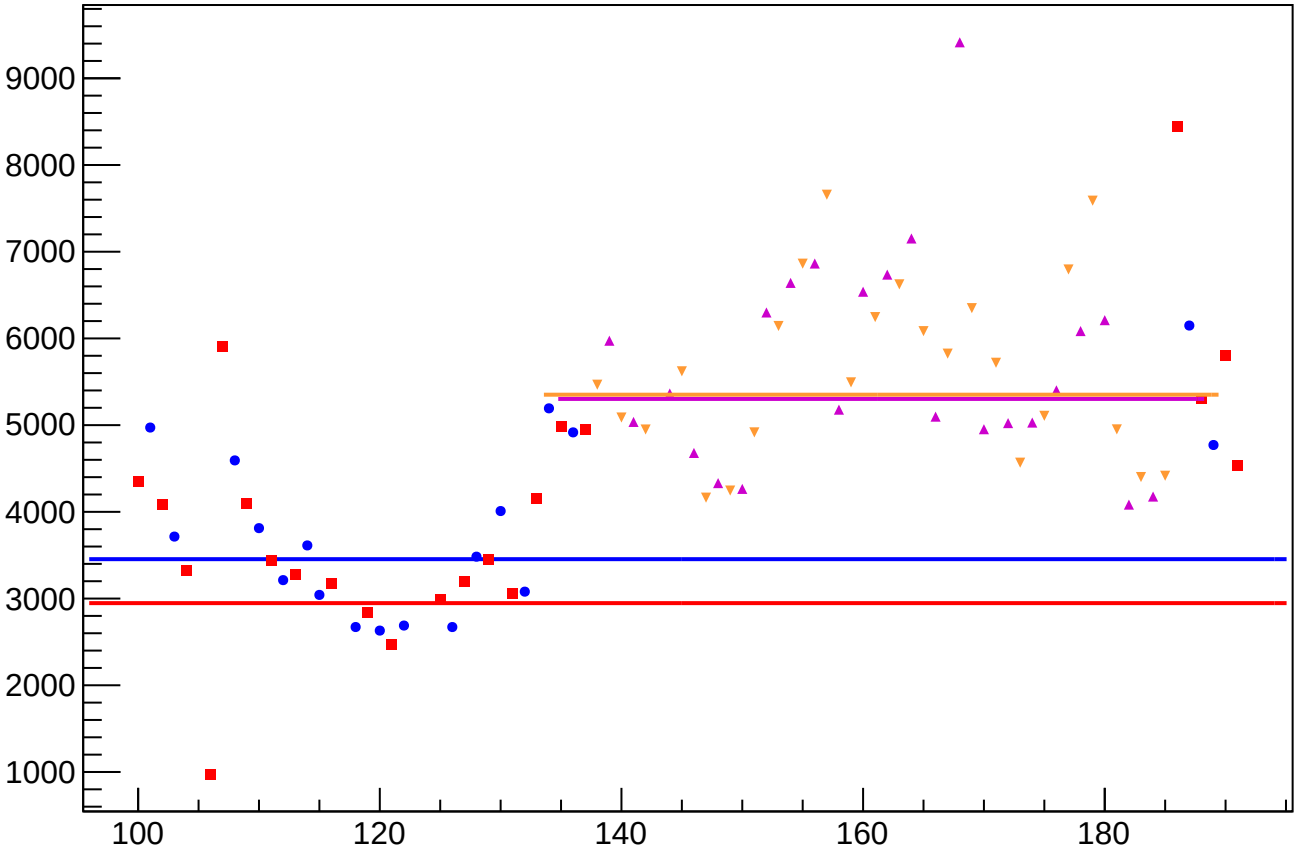
Left In: 80.780+/-1264.327 χ^2/NDF:13.2/22

+ sign -780.045+/-896.217 χ^2/NDF: 50.2/41

All: -401.366+/-605.273 χ^2/NDF: 97.8/86

- sign -83.794+/-820.727 χ^2/NDF: 47.2/44

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: 2947.364+/-0.763 χ^2/NDF: 3271752.1/21

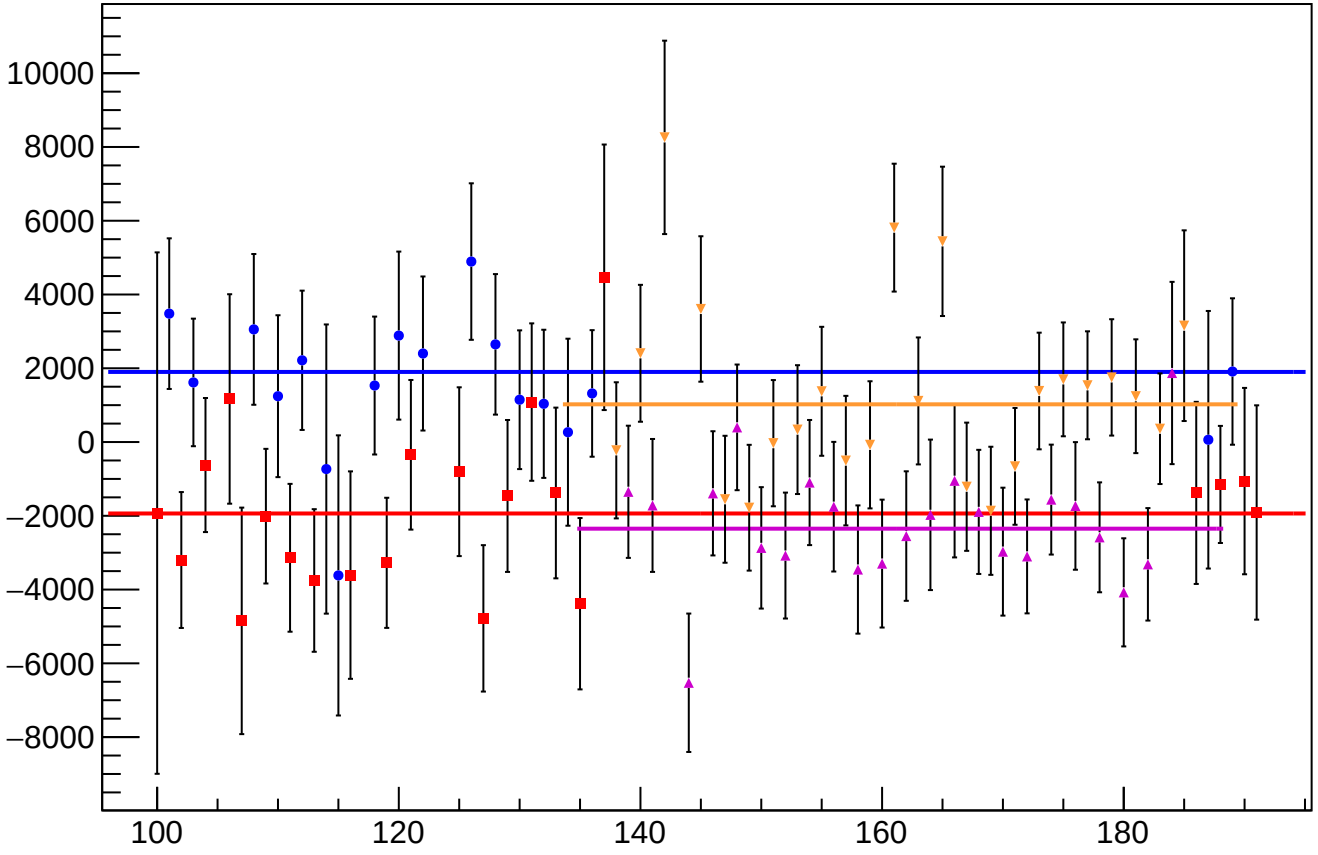
Left In: 5302.185+/-0.894 χ^2/NDF:1256309.3/22

+ sign 4401.440+/-0.634 χ^2/NDF: 4221016.4/41

All: 4150.280+/-0.428 χ^2/NDF: 13052247.1/8

- sign 3939.649+/-0.580 χ^2/NDF: 8542428.9/44

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: -1937.103+/-469.317 χ^2/NDF: 15.0/21

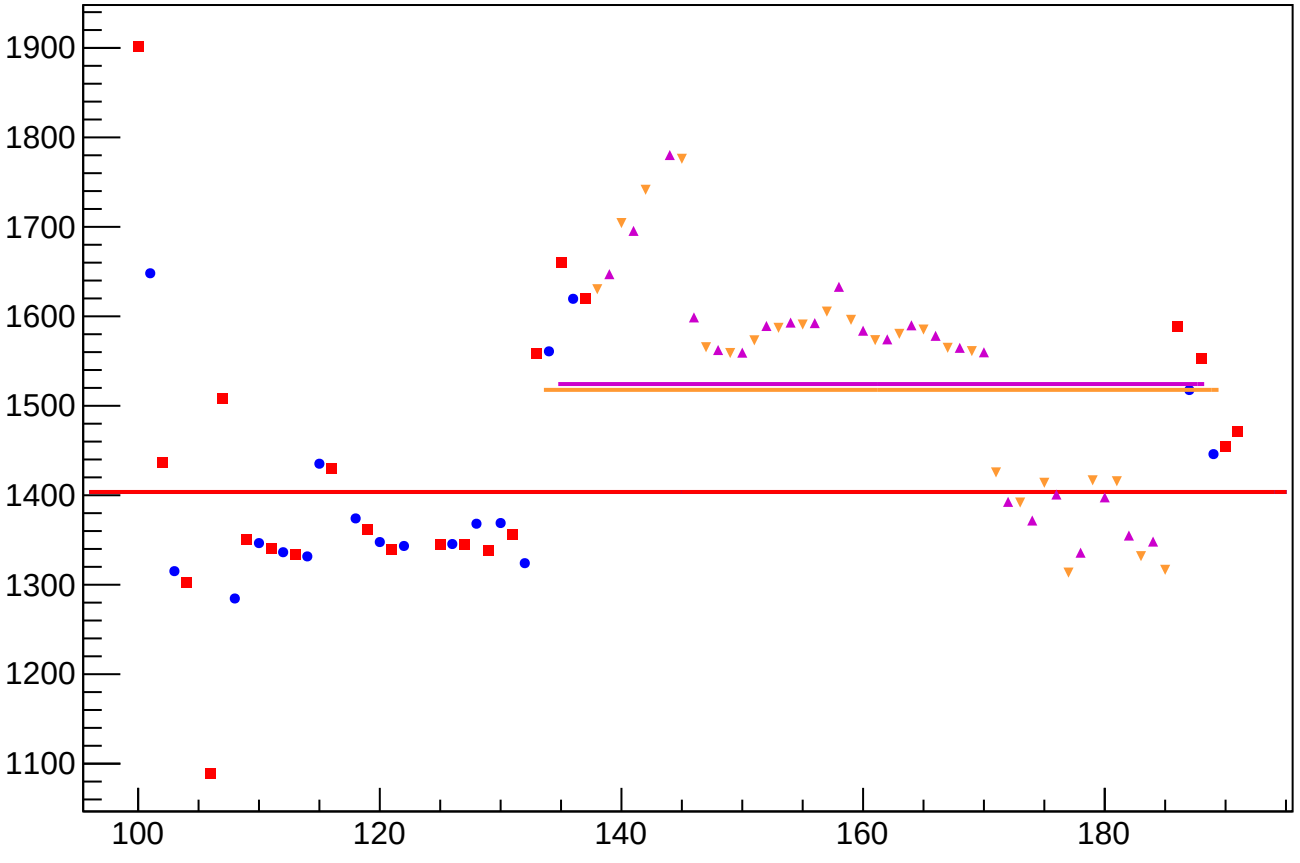
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1315.376+/-288.584 χ^2/NDF: 45.7/41

All: -468.434+/-202.482 χ^2/NDF: 152.4/86

- sign -2198.104+/-284.171 χ^2/NDF: 31.4/44

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

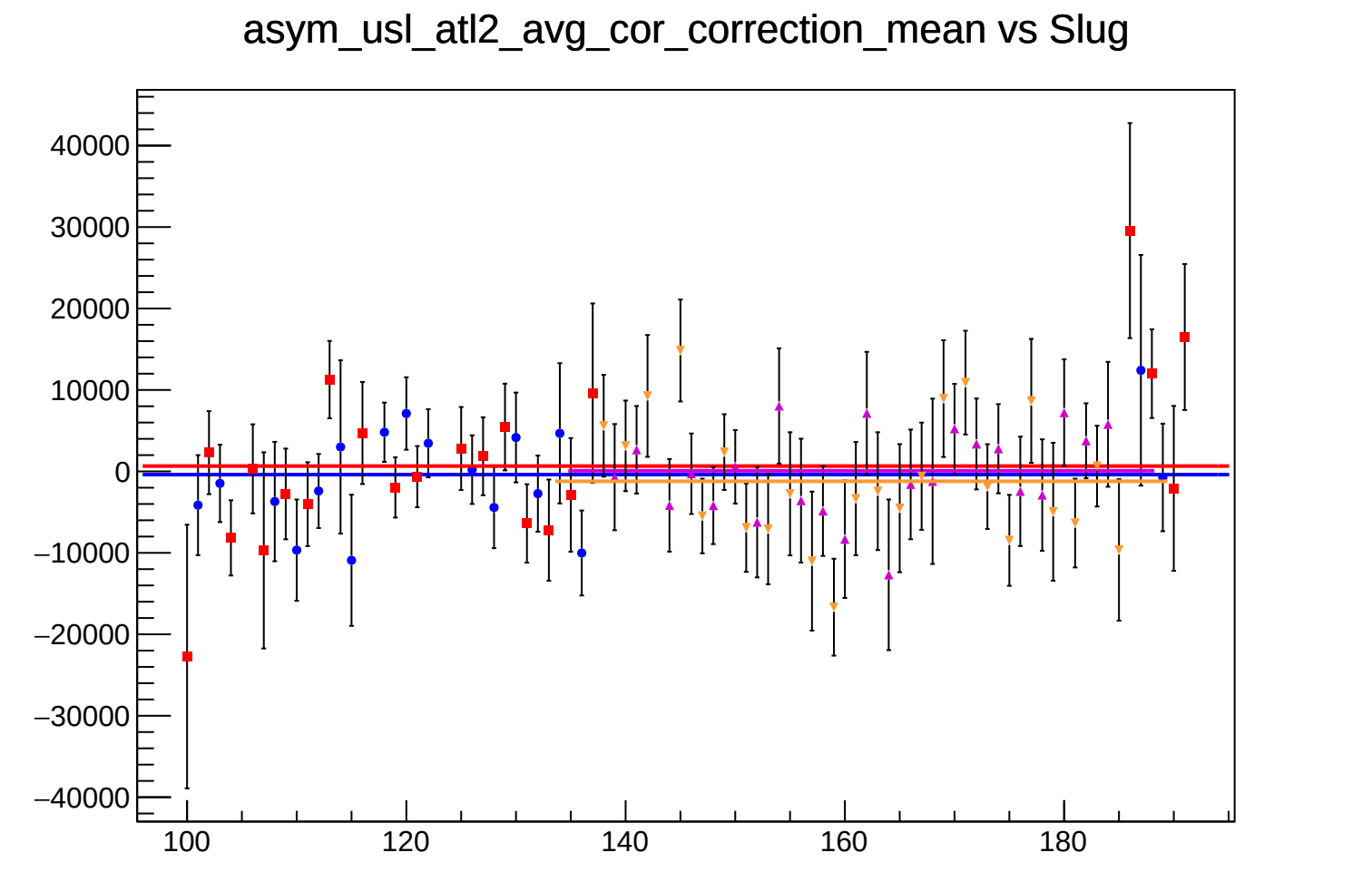
Right Out: 1403.694+/-0.328 χ^2/NDF: 150521.2/21

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1479.750+/-0.204 χ^2/NDF: 400718.5/41

All: 1479.610+/-0.143 χ^2/NDF: 860399.8/86

- sign 1479.476+/-0.200 χ^2/NDF: 459680.5/44



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: 655.040+/-1203.670 χ^2/NDF: 31.9/21

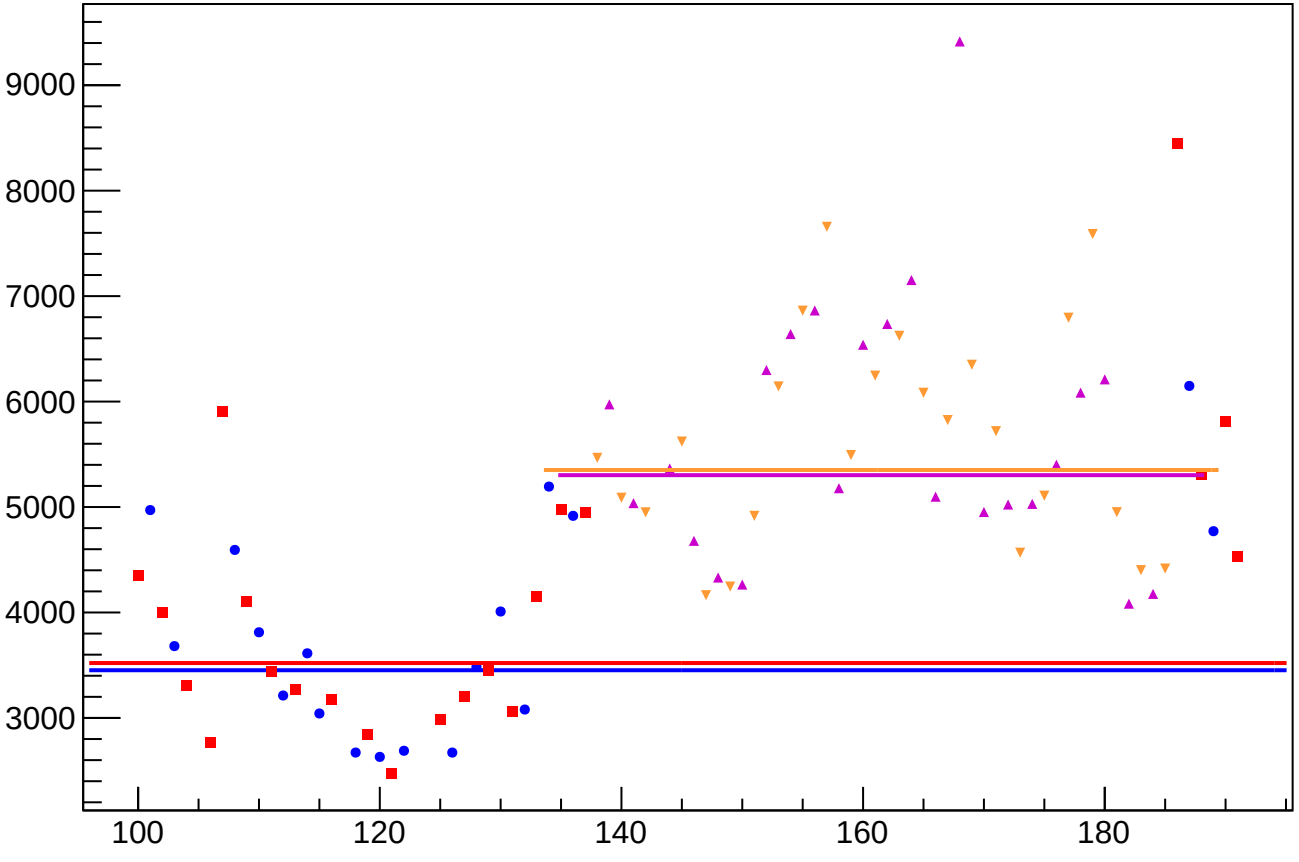
Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

+ sign -801.527+/-895.891 χ^2/NDF: 50.2/41

All: -193.636+/-624.791 χ^2/NDF: 96.3/86

- sign 381.972+/-871.778 χ^2/NDF: 45.2/44

asym_usl_atl2_avg_cor_correction_rms vs Slug



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: 3520.648+/-0.851 χ^2/NDF: 1212925.4/21

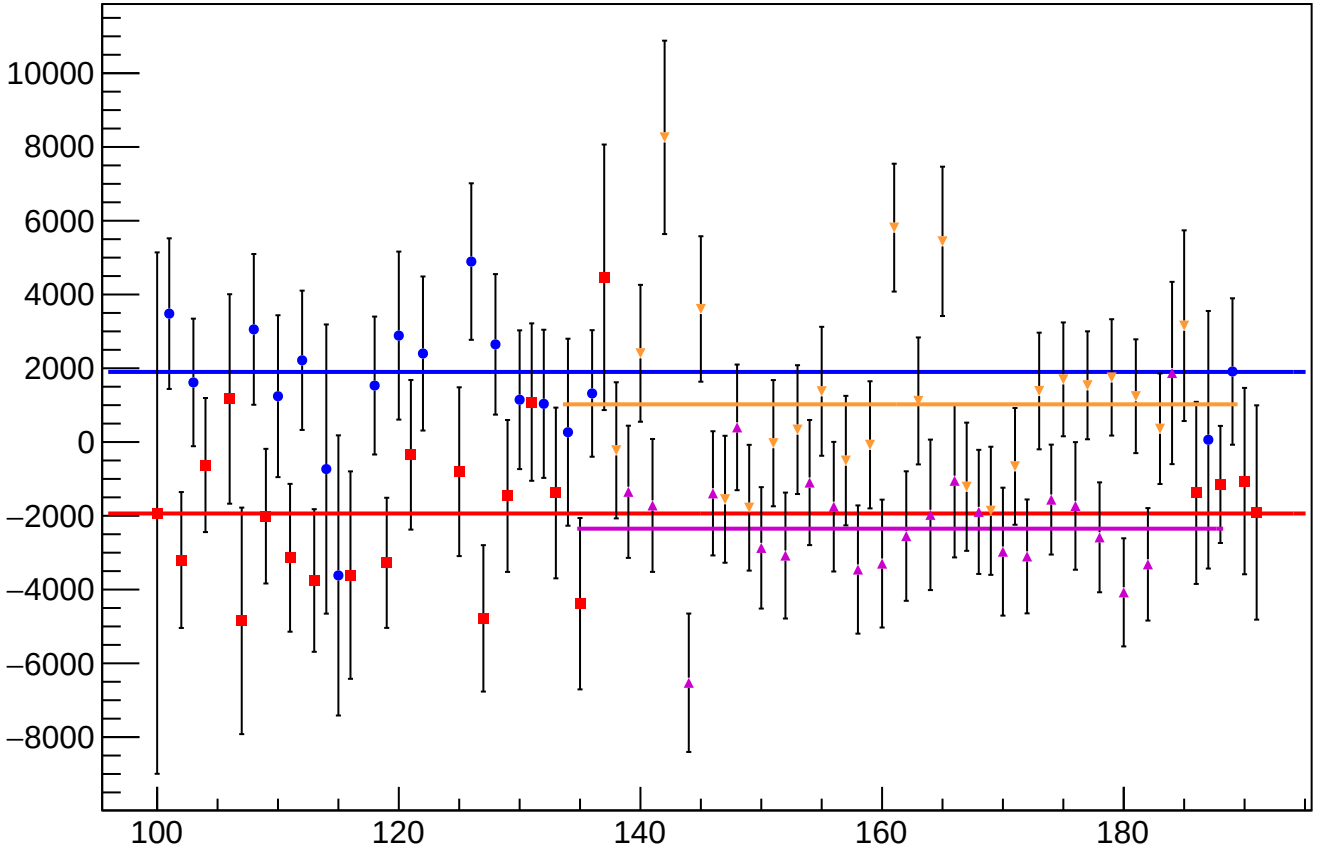
Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

+ sign 4399.738+/-0.633 χ^2/NDF: 4225984.3/41

All: 4383.259+/-0.442 χ^2/NDF: 8779577.8/86

- sign 4367.655+/-0.616 χ^2/NDF: 4552276.0/44

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: -1937.103+/-469.317 χ^2/NDF: 15.0/21

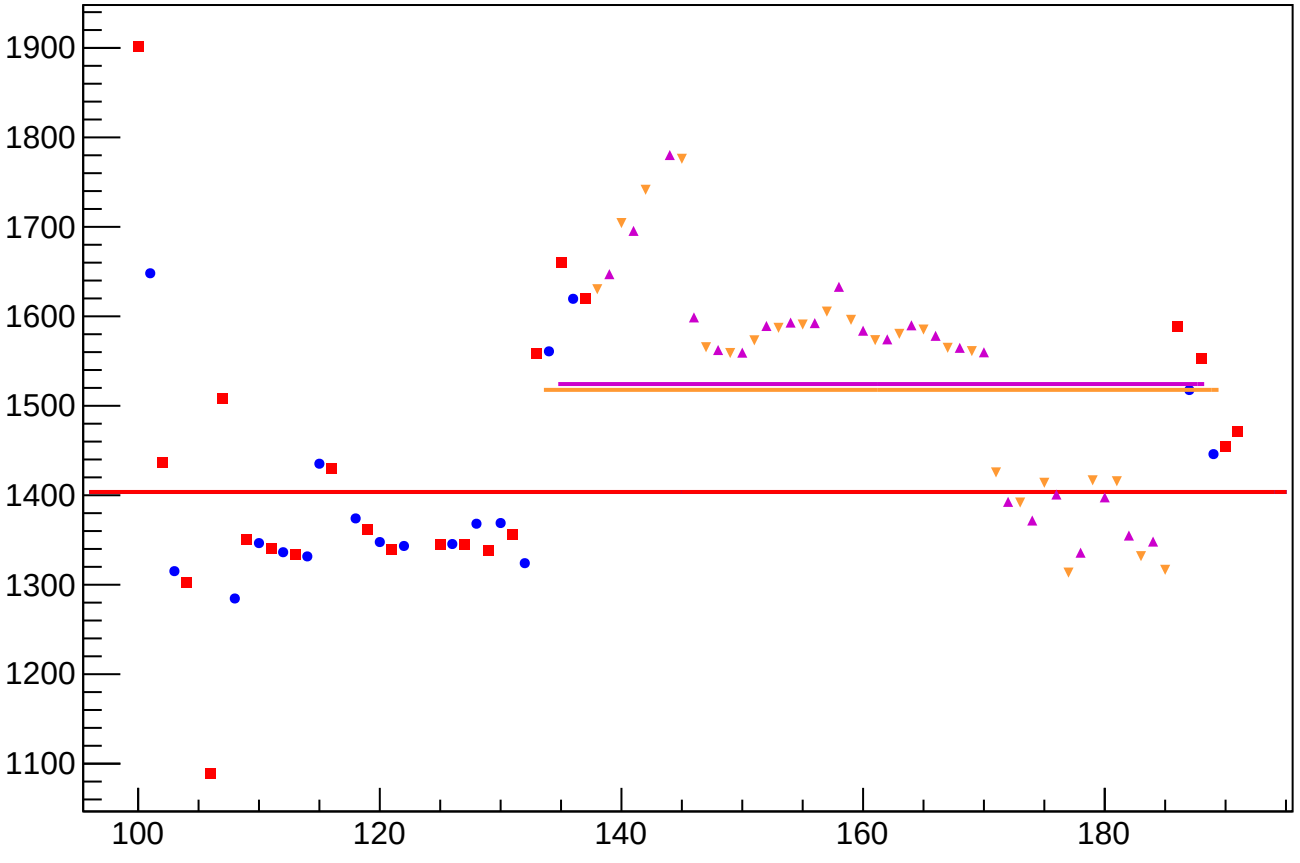
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1315.376+/-288.584 χ^2/NDF: 45.7/41

All: -468.434+/-202.482 χ^2/NDF: 152.4/86

- sign -2198.104+/-284.171 χ^2/NDF: 31.4/44

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

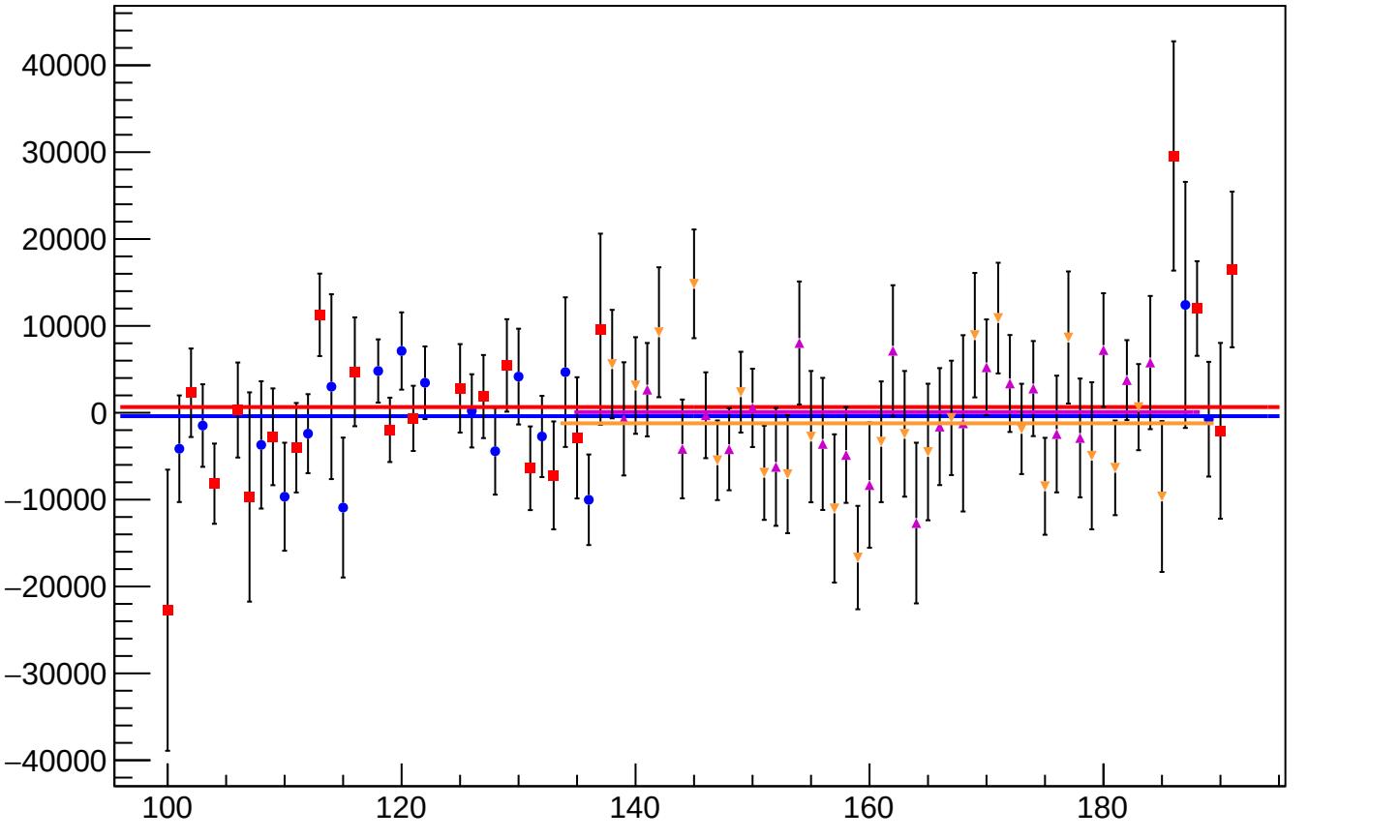
Right Out: 1403.694+/-0.328 χ^2/NDF: 150521.2/21

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1479.750+/-0.204 χ^2/NDF: 400718.5/41

All: 1479.610+/-0.143 χ^2/NDF: 860399.8/86

- sign 1479.476+/-0.200 χ^2/NDF: 459680.5/44



Right In: -392.890+/-1265.650 χ^2/NDF: 16.8/17

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

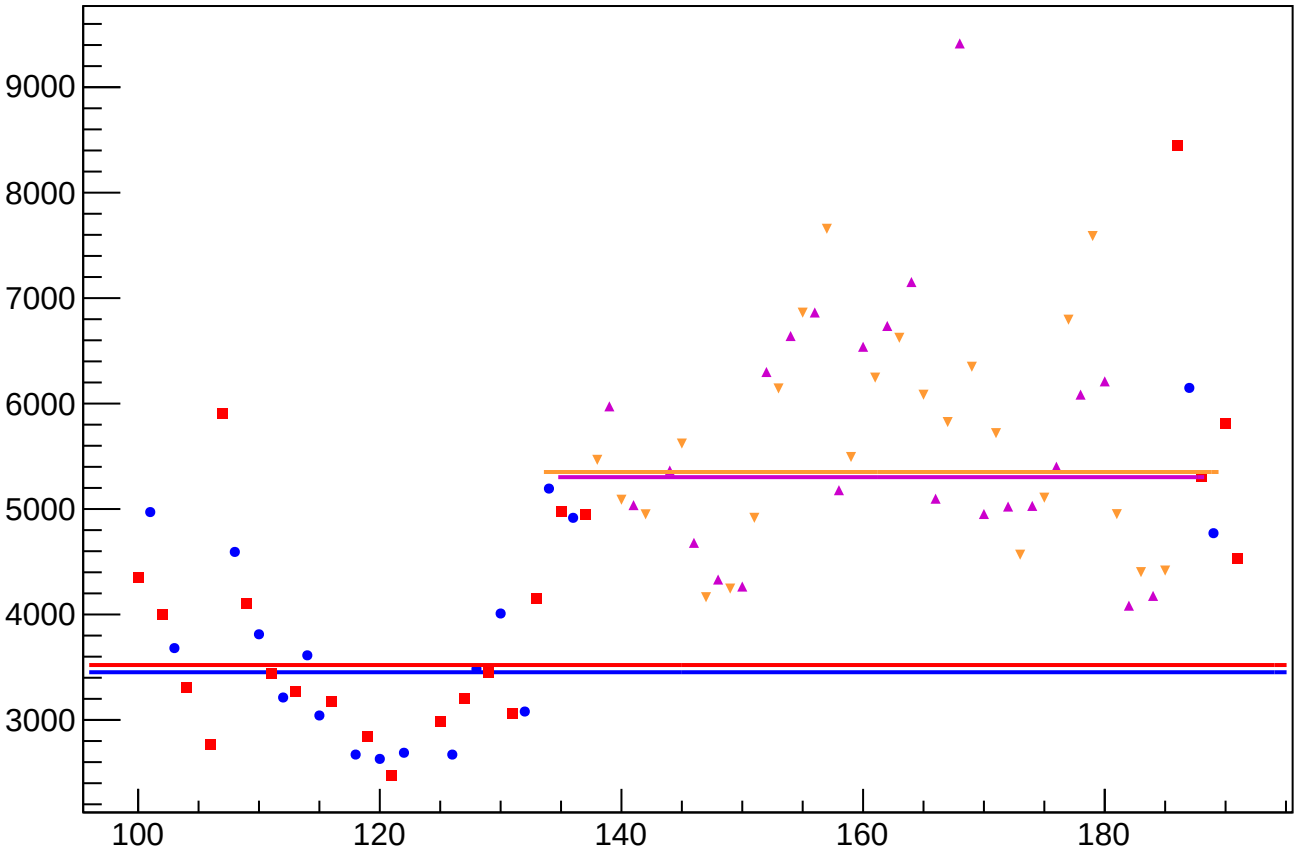
Right Out: 655.040+/-1203.670 χ^2/NDF: 31.9/21

Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

+ sign -801.527+/-895.891 χ^2/NDF: 50.2/41

All: -193.636+/-624.791 χ^2/NDF: 96.3/86

- sign 381.972+/-871.778 χ^2/NDF: 45.2/44



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: 3520.648+/-0.851 χ^2/NDF: 1212925.4/21

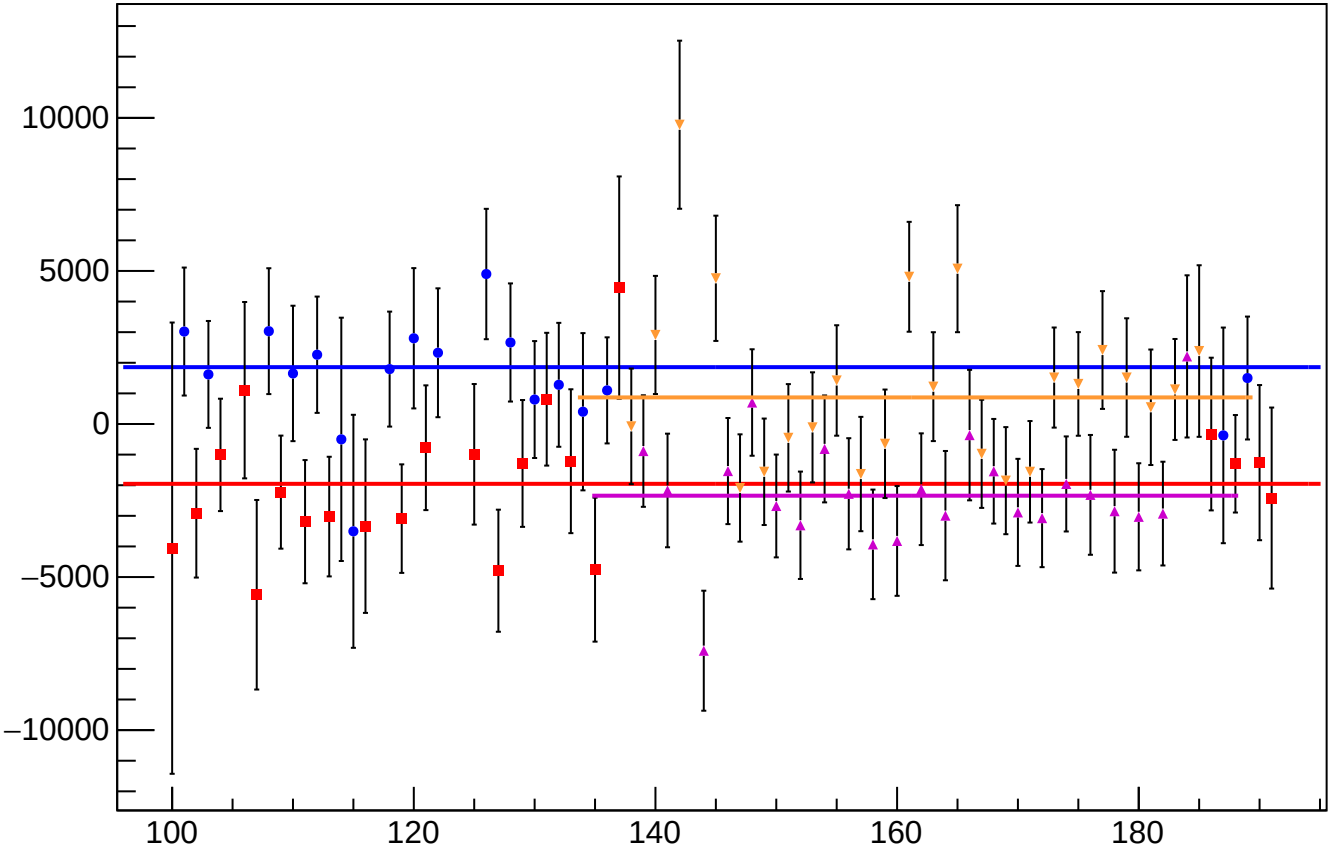
Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

+ sign 4399.738+/-0.633 χ^2/NDF: 4225984.3/41

All: 4383.259+/-0.442 χ^2/NDF: 8779577.8/86

- sign 4367.655+/-0.616 χ^2/NDF: 4552276.0/44

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: -1954.586+/-476.662 χ^2/NDF: 14.0/21

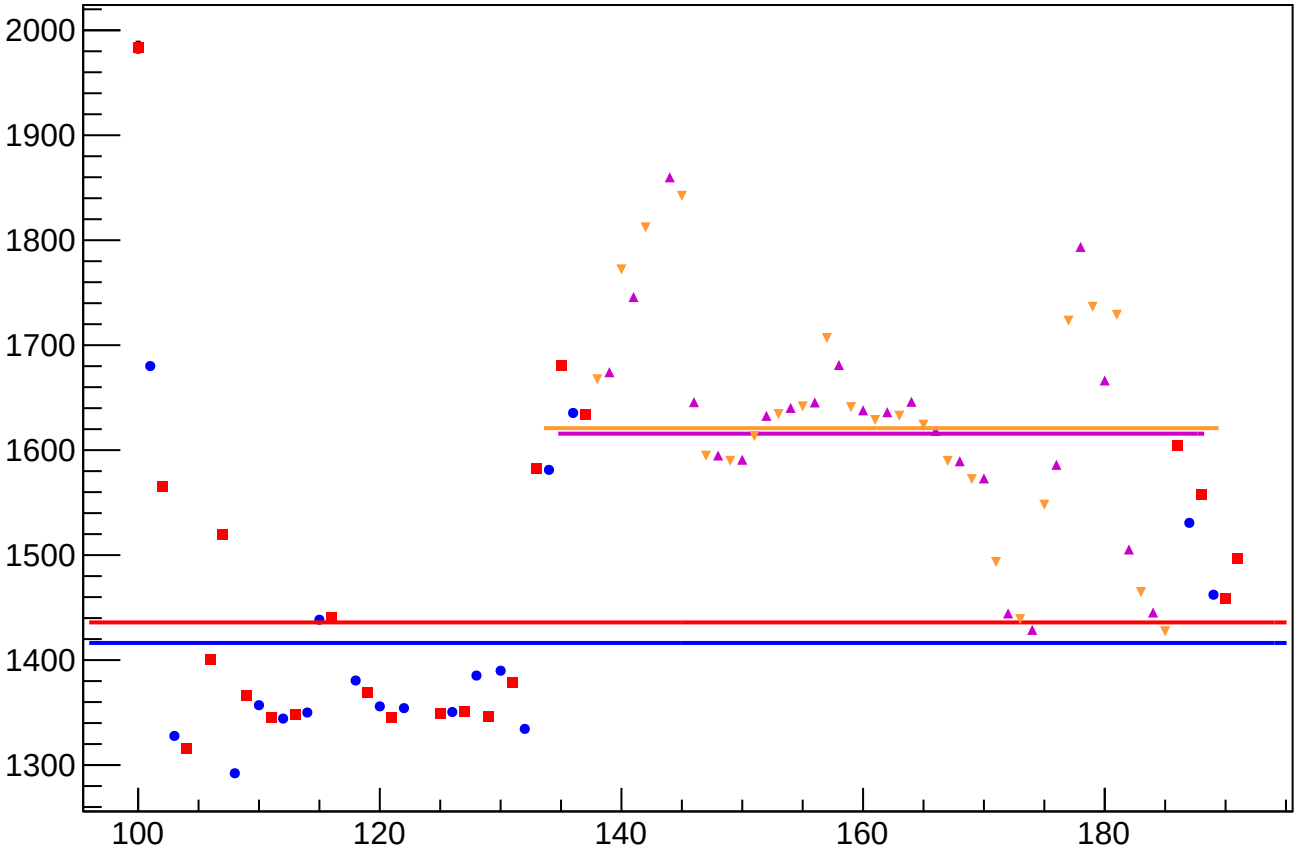
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1222.822+/-302.107 χ^2/NDF: 49.0/41

All: -518.415+/-211.513 χ^2/NDF: 146.6/86

- sign -2192.559+/-296.230 χ^2/NDF: 32.4/44

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

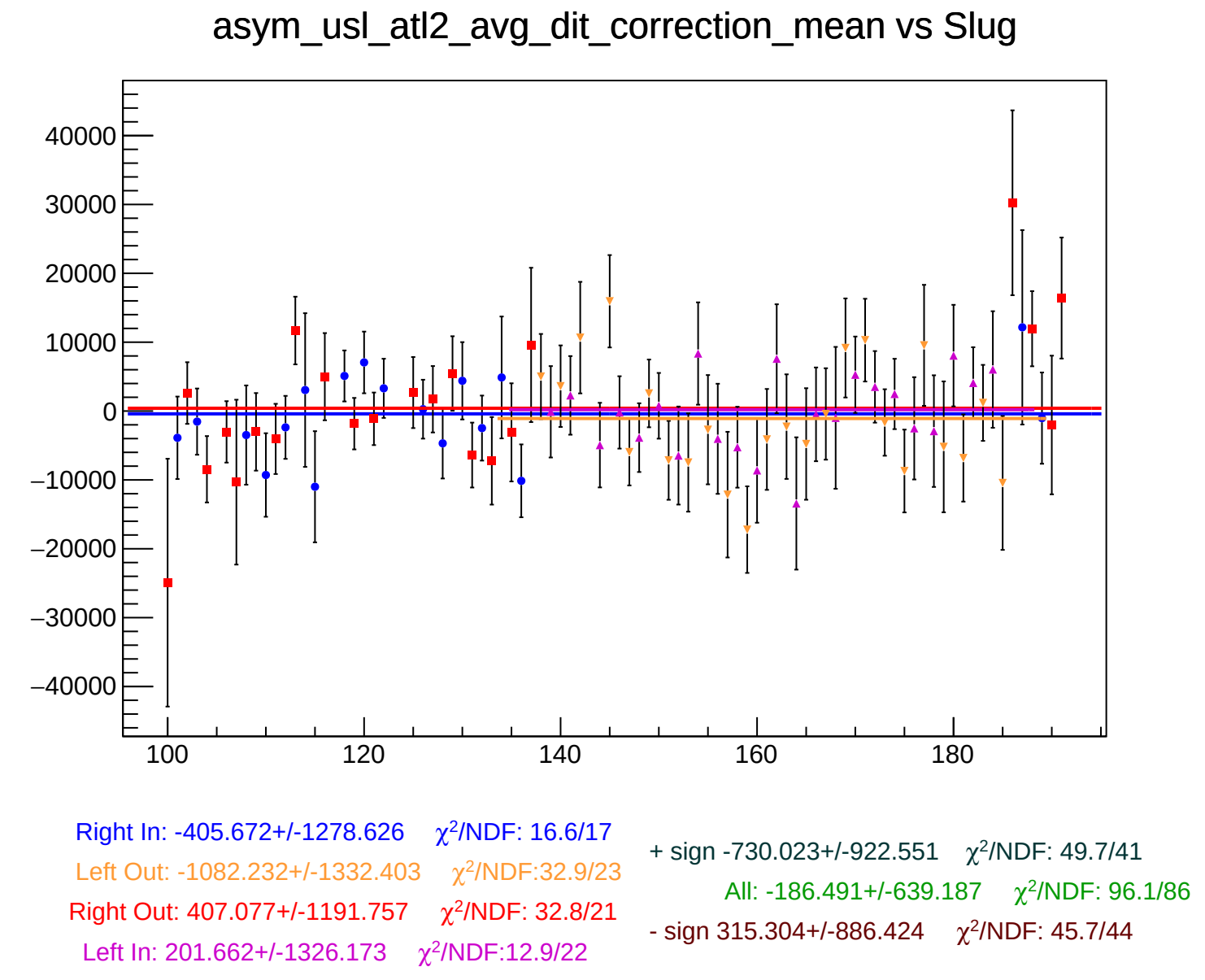
Right Out: 1435.878+/-0.336 χ^2/NDF: 115648.9/21

Left In: 1615.705+/-0.267 χ^2/NDF:137139.2/22

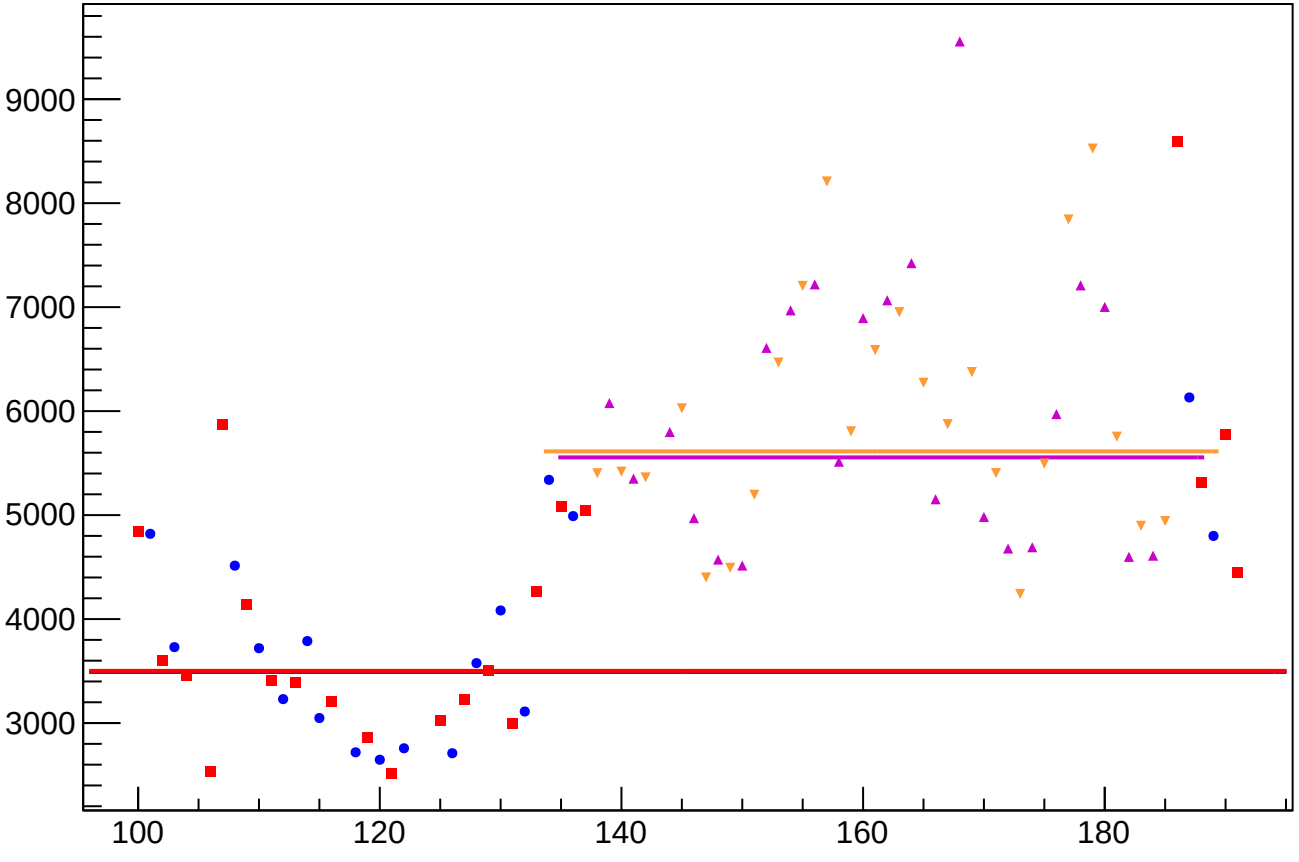
+ sign 1547.597+/-0.214 χ^2/NDF: 455522.7/41

All: 1546.816+/-0.149 χ^2/NDF: 883518.3/86

- sign 1546.066+/-0.209 χ^2/NDF: 427969.4/44


asym_usl_atl2_avg_dit_correction_mean vs Slug
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
Right In: -405.672+/-1278.626 χ²/NDF: 16.6/17
Left Out: -1082.232+/-1332.403 χ²/NDF:32.9/23
Right Out: 407.077+/-1191.757 χ²/NDF: 32.8/21
Left In: 201.662+/-1326.173 χ²/NDF:12.9/22
+ sign -730.023+/-922.551 χ²/NDF: 49.7/41
All: -186.491+/-639.187 χ²/NDF: 96.1/86
- sign 315.304+/-886.424 χ²/NDF: 45.7/44

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: 3501.815+/-0.843 χ^2/NDF: 1252443.7/21

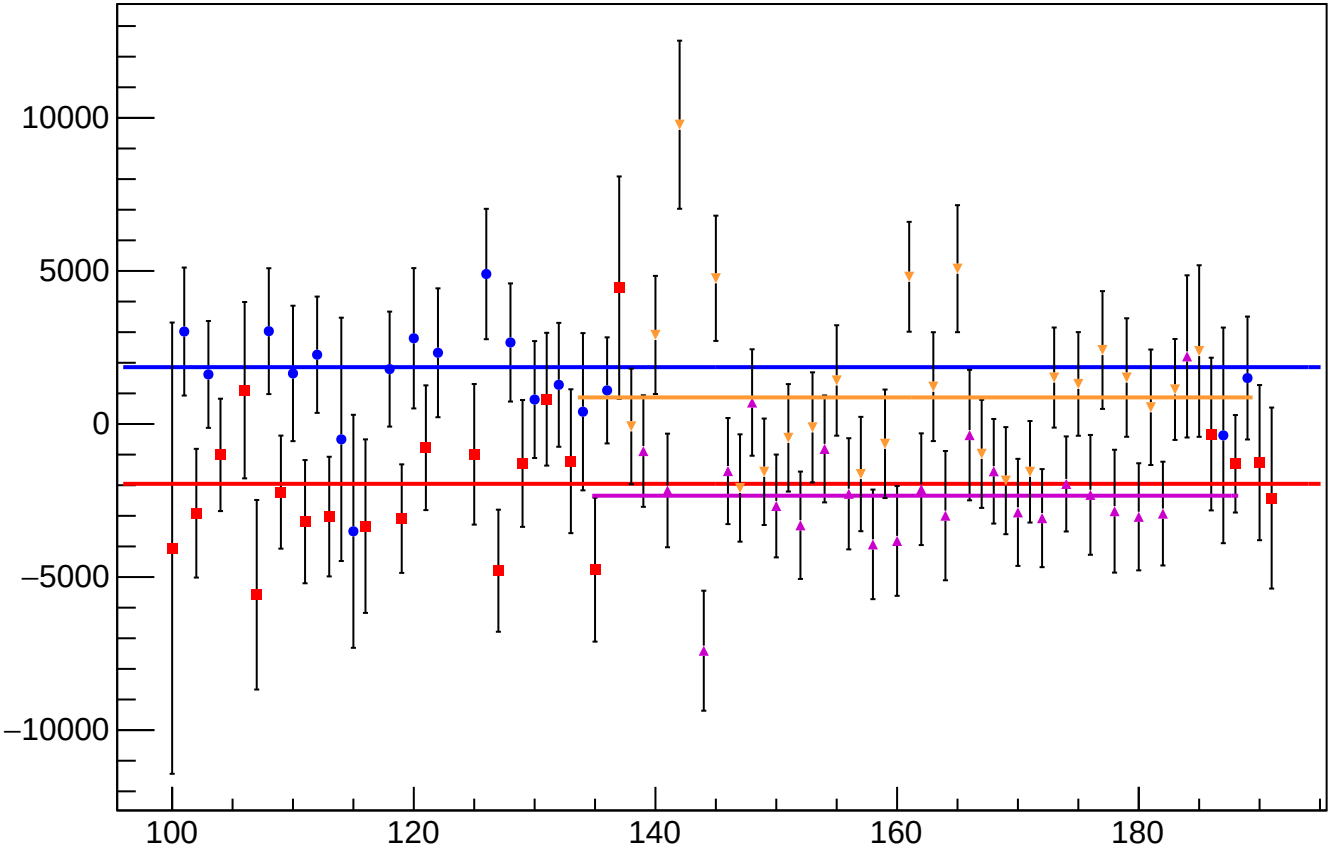
Left In: 5554.927+/-0.938 χ^2/NDF:1332970.4/22

+ sign 4508.887+/-0.652 χ^2/NDF: 4700191.6/41

All: 4462.190+/-0.452 χ^2/NDF: 9947390.5/86

- sign 4419.079+/-0.627 χ^2/NDF: 5237344.0/44

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: -1954.586+/-476.662 χ^2/NDF: 14.0/21

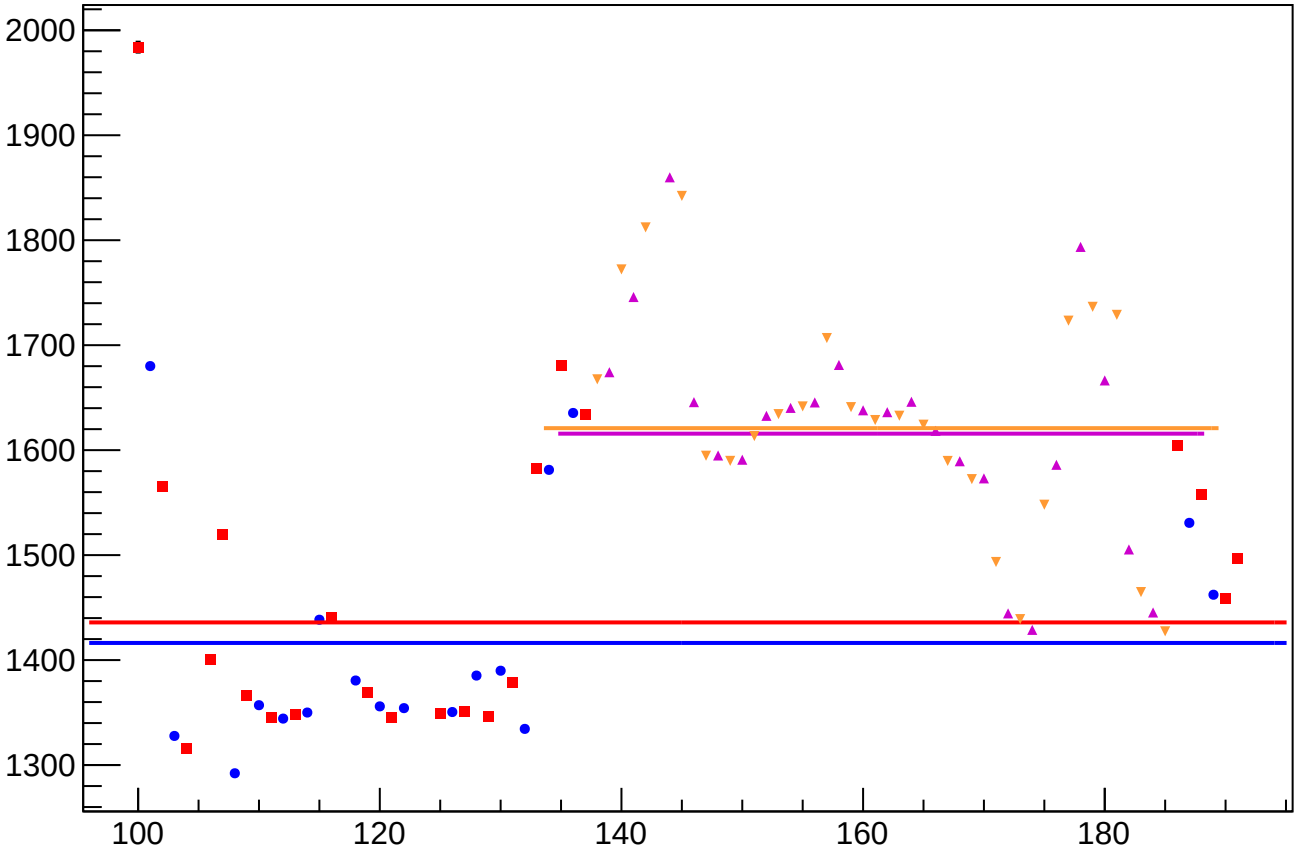
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1222.819+/-302.107 χ^2/NDF: 49.0/41

All: -518.416+/-211.513 χ^2/NDF: 146.6/86

- sign -2192.558+/-296.230 χ^2/NDF: 32.4/44

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

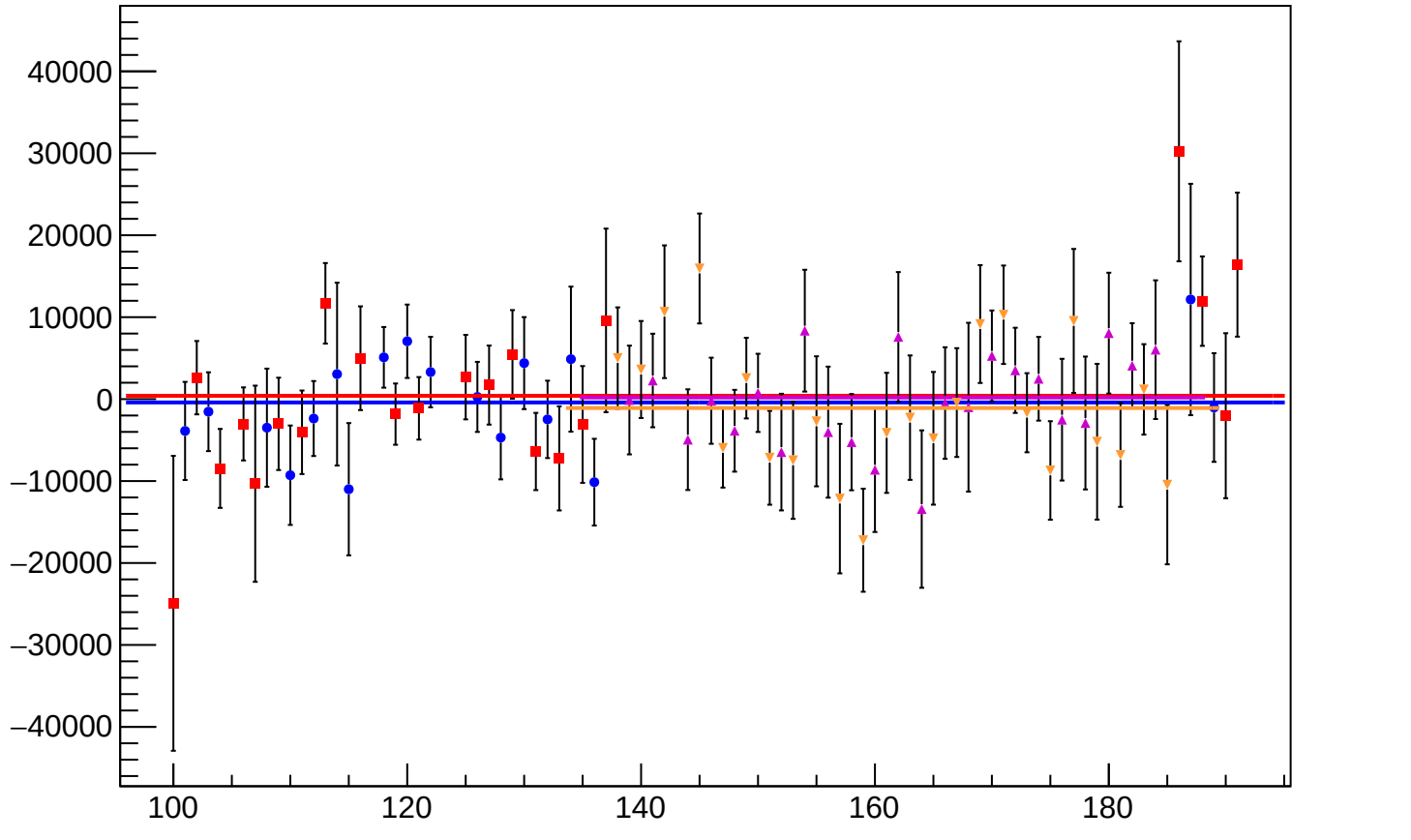
Right Out: 1435.877+/-0.336 χ^2/NDF: 115648.9/21

Left In: 1615.706+/-0.267 χ^2/NDF:137144.0/22

+ sign 1547.598+/-0.214 χ^2/NDF: 455529.9/41

All: 1546.817+/-0.149 χ^2/NDF: 883533.1/86

- sign 1546.067+/-0.209 χ^2/NDF: 427976.9/44



Right In: -405.666+/-1278.623 χ^2/NDF: 16.6/17

Left Out: -1082.239+/-1332.405 χ^2/NDF:32.9/23

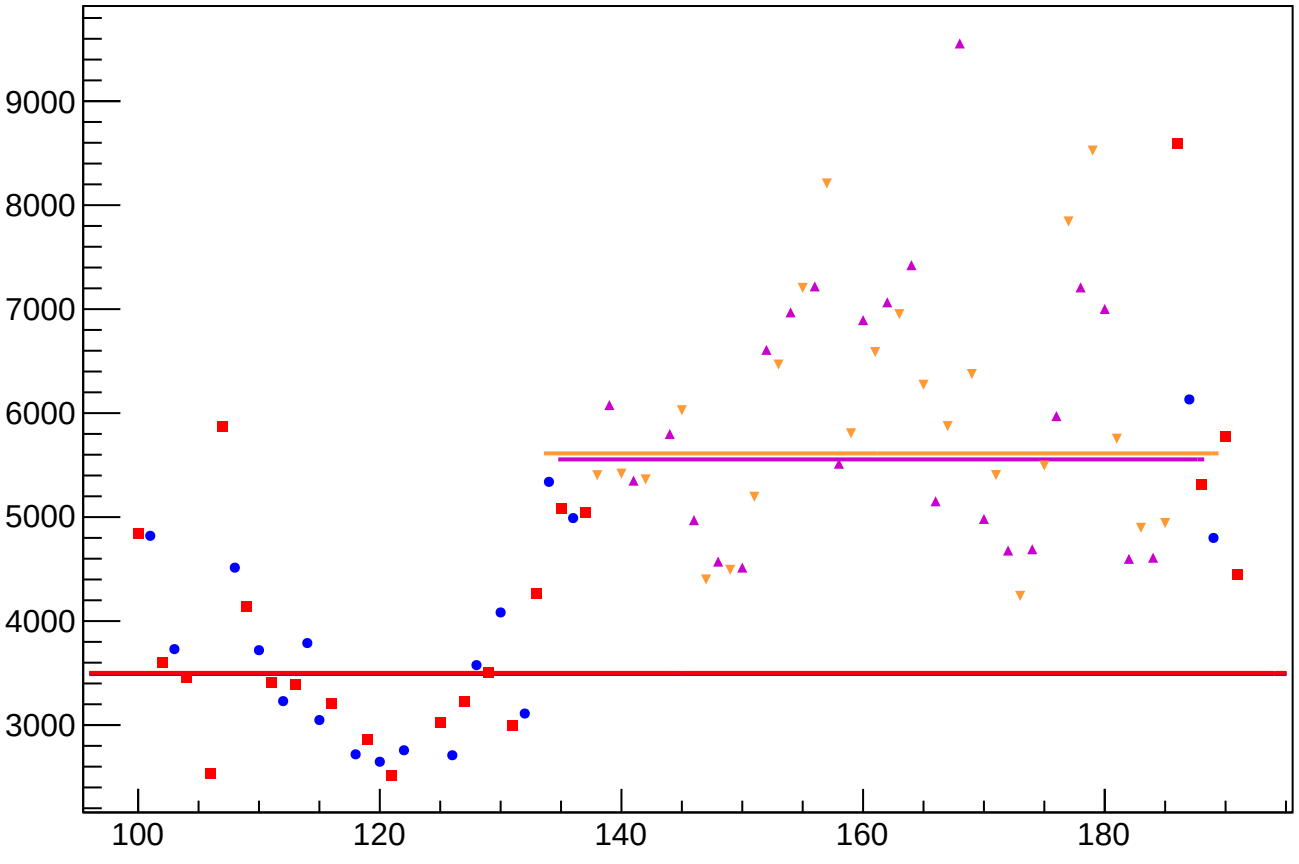
Right Out: 407.067+/-1191.754 χ^2/NDF: 32.8/21

Left In: 201.663+/-1326.175 χ^2/NDF:12.9/22

\+ sign -730.022+/-922.550 χ^2/NDF: 49.7/41

All: -186.493+/-639.186 χ^2/NDF: 96.1/86

\- sign 315.300+/-886.423 χ^2/NDF: 45.7/44



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: 3501.805+/-0.843 χ^2/NDF: 1252453.0/21

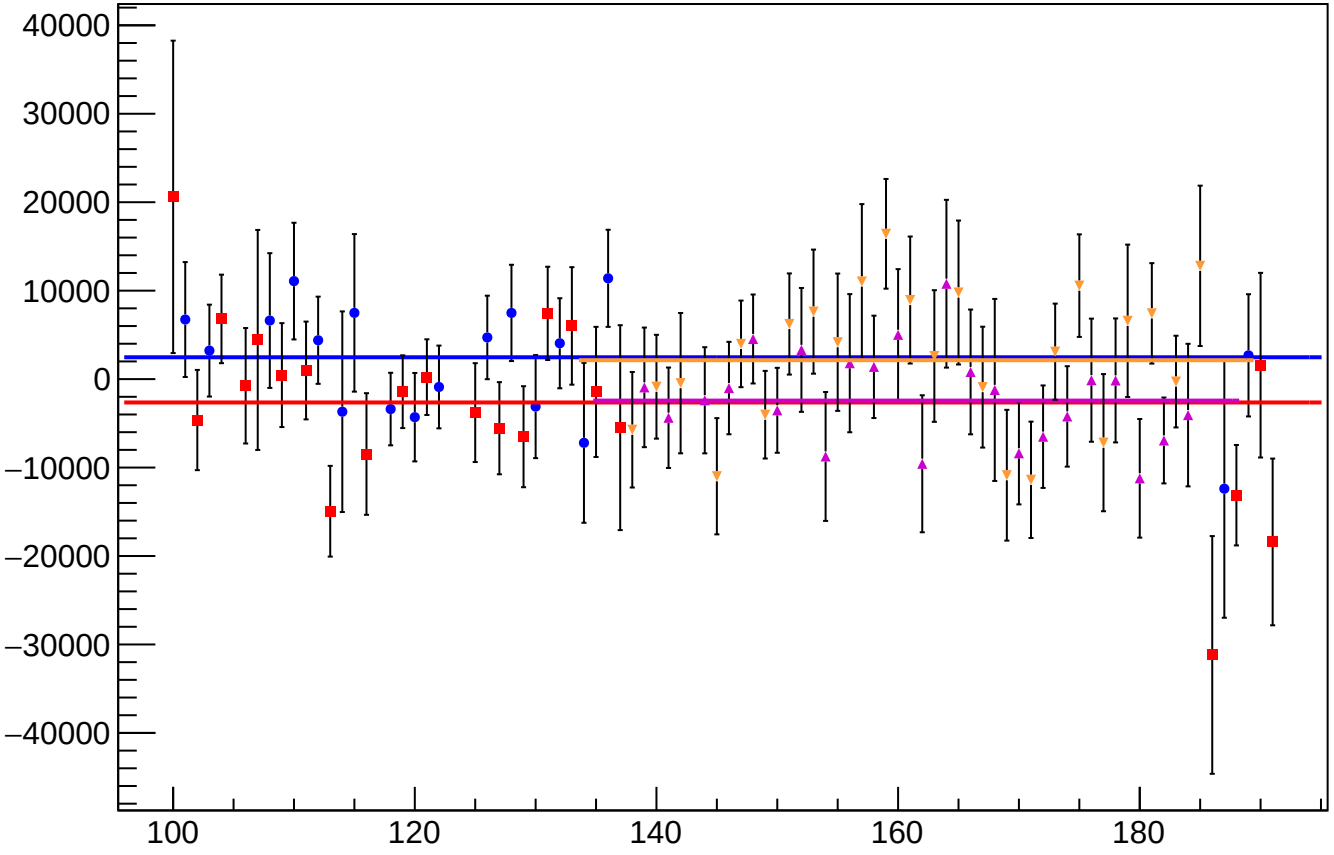
Left In: 5554.935+/-0.938 χ^2/NDF:1332972.0/22

+ sign 4508.881+/-0.652 χ^2/NDF: 4700255.8/41

All: 4462.184+/-0.452 χ^2/NDF: 9947514.5/86

- sign 4419.073+/-0.627 χ^2/NDF: 5237403.8/44

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: -2639.870+/-1313.125 χ^2/NDF: 30.7/21

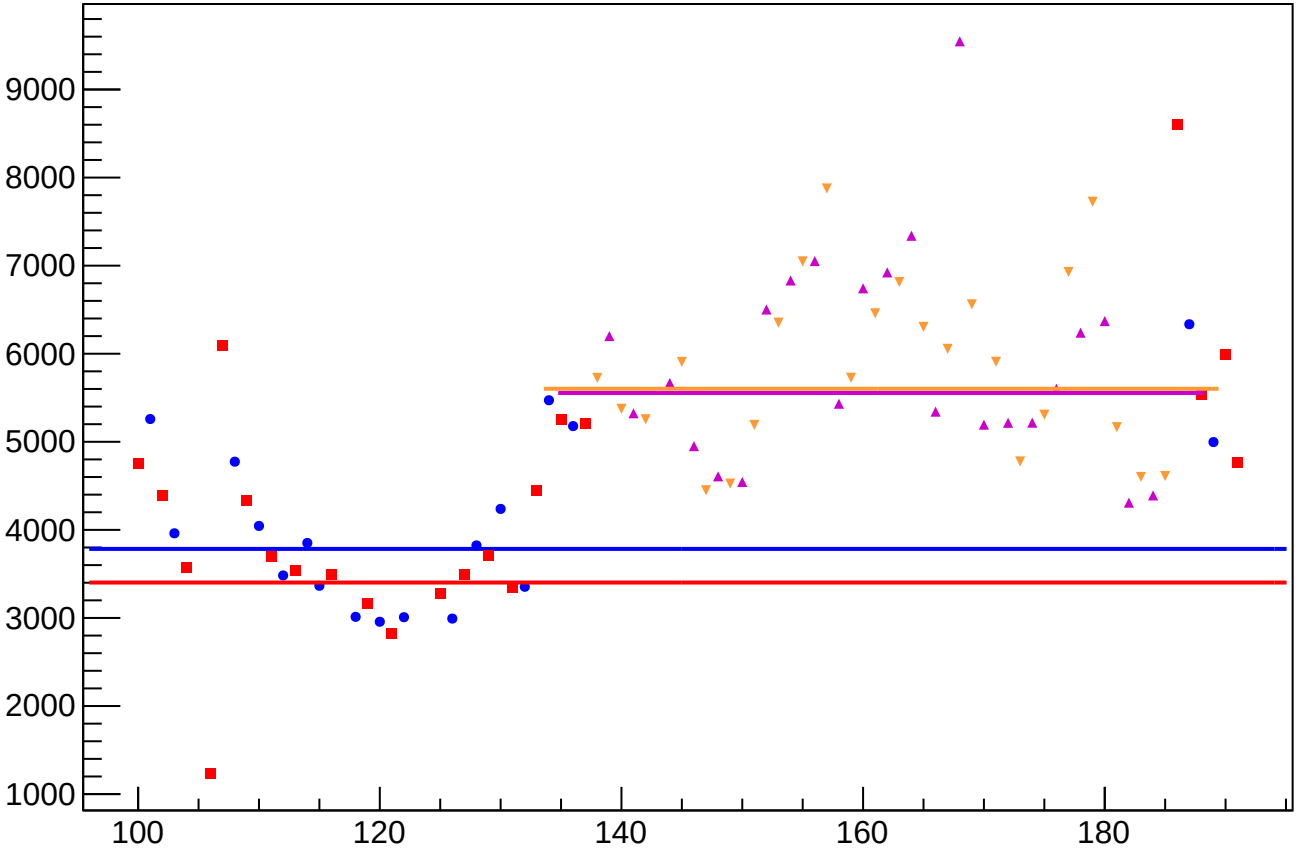
Left In: -2428.059+/-1321.080 χ^2/NDF:12.9/22

+ sign 2296.894+/-955.390 χ^2/NDF: 45.2/41

All: -180.486+/-666.890 χ^2/NDF: 101.9/86

- sign -2534.604+/-931.319 χ^2/NDF: 43.5/44

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

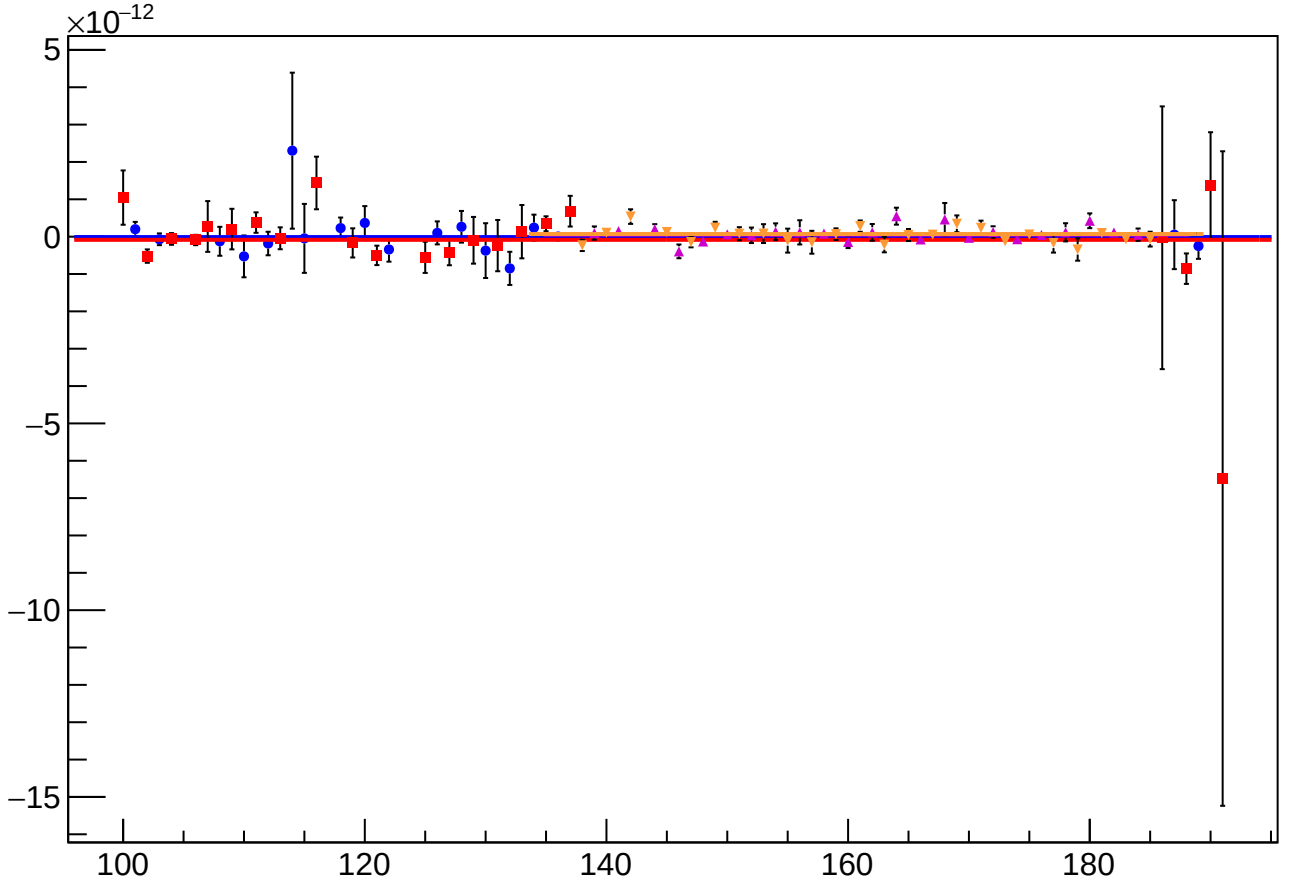
Right Out: 3402.158+/-0.857 χ^2/NDF: 2414646.3/21

Left In: 5554.054+/-0.934 χ^2/NDF:1112177.4/22

+ sign 4730.193+/-0.676 χ^2/NDF: 3487529.9/41

All: 4546.481+/-0.461 χ^2/NDF: 10033616.9/8

- sign 4385.899+/-0.632 χ^2/NDF: 6407495.5/44



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: 34.7/21

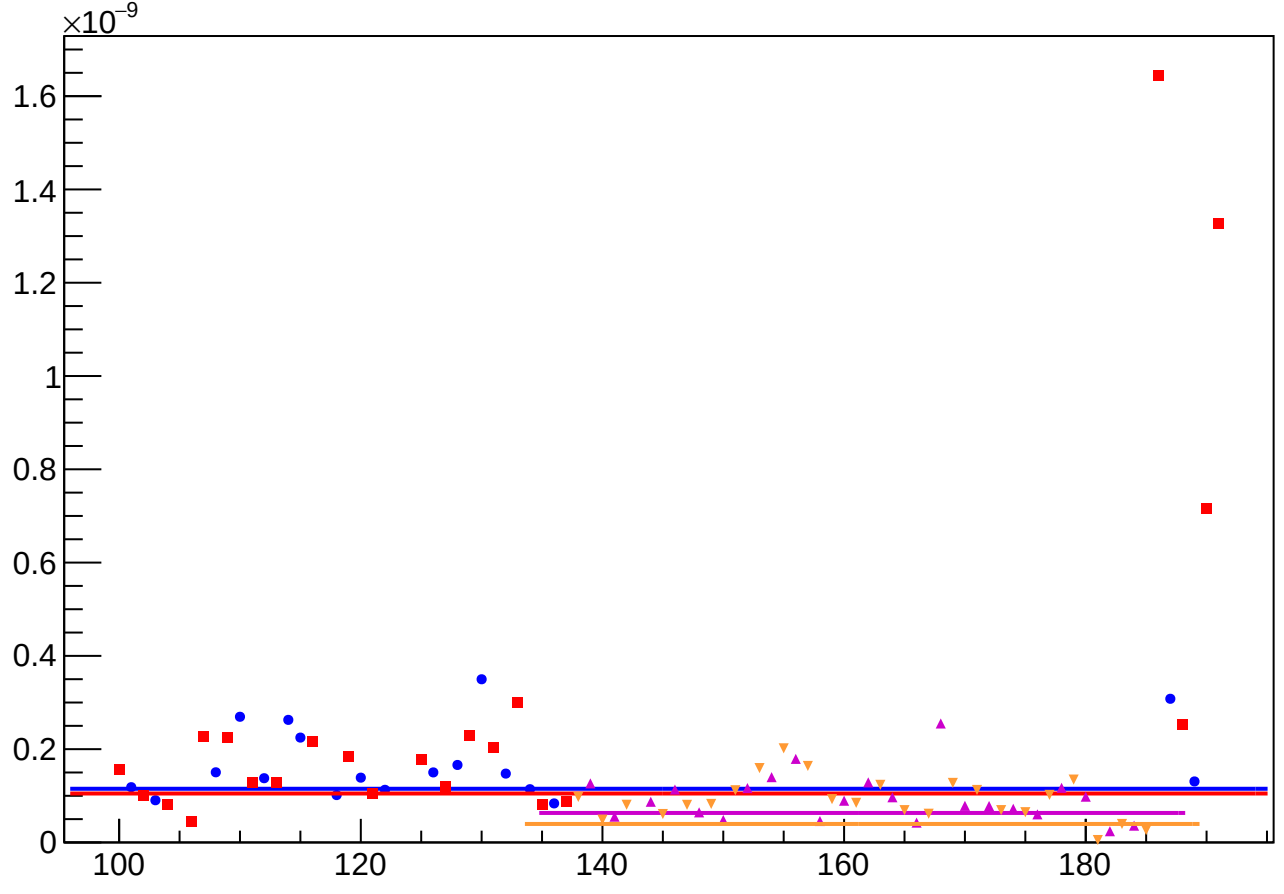
Left In: 0.000+/-0.000 χ^2/NDF:25.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.2/41

All: 0.000+/-0.000 χ^2/NDF: 106.0/86

- sign 0.000+/-0.000 χ^2/NDF: 64.0/44

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: 2167621.2/21

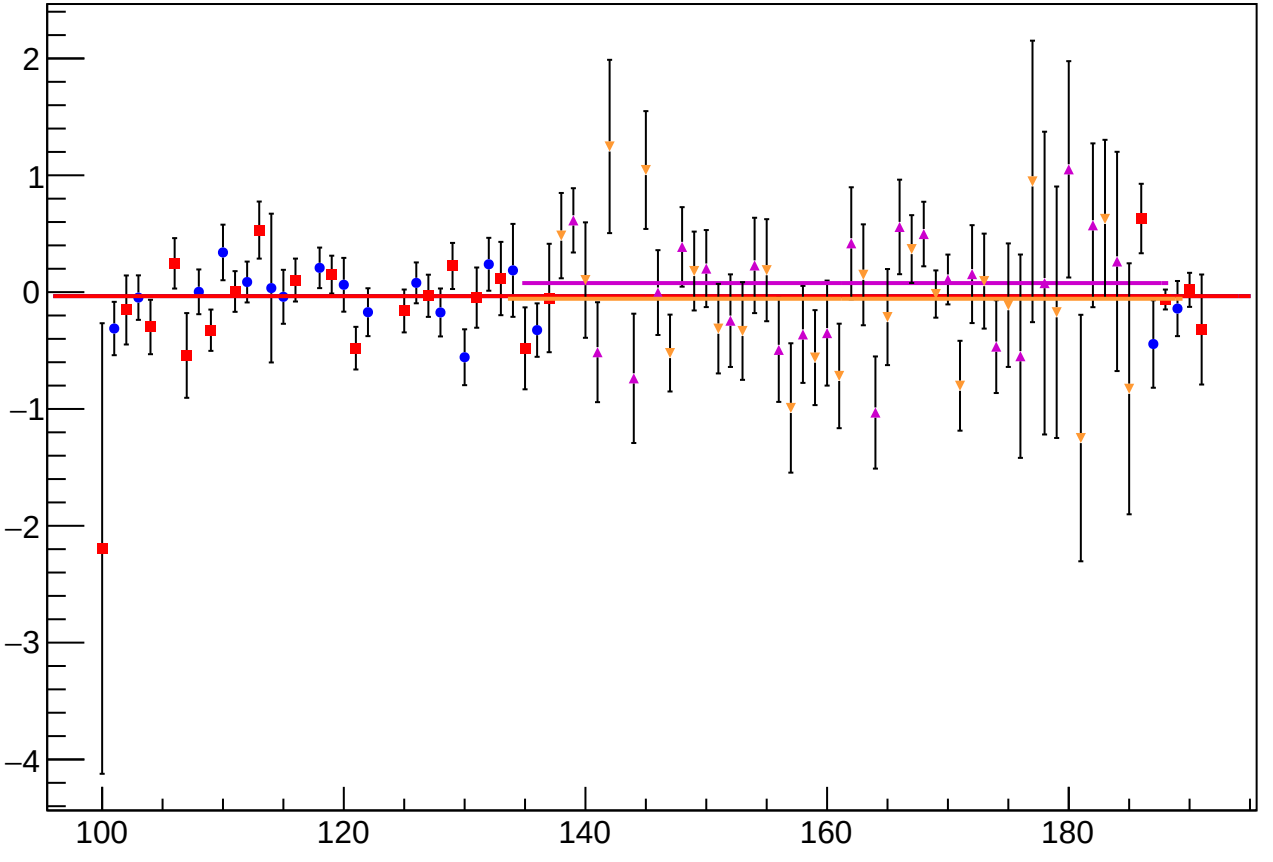
Left In: 0.000+/-0.000 χ^2/NDF:2922990.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 9883952.7/41

All: 0.000+/-0.000 χ^2/NDF: 16643897.9/86

- sign 0.000+/-0.000 χ^2/NDF: 5789365.9/44

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: -0.034+/-0.042 χ^2/NDF: 32.0/21

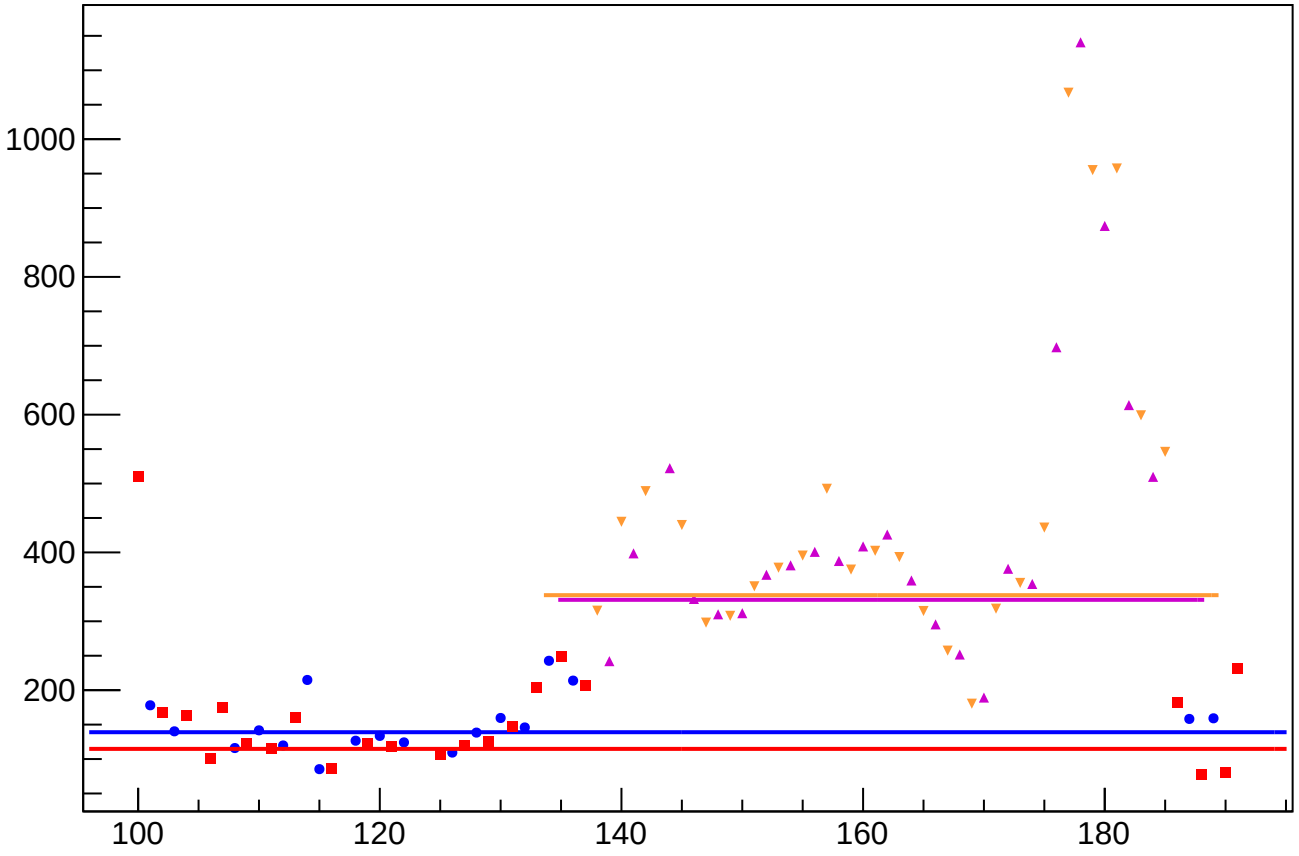
Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.040+/-0.045 χ^2/NDF: 47.9/41

All: -0.024+/-0.029 χ^2/NDF: 108.6/86

- sign -0.012+/-0.038 χ^2/NDF: 60.4/44

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

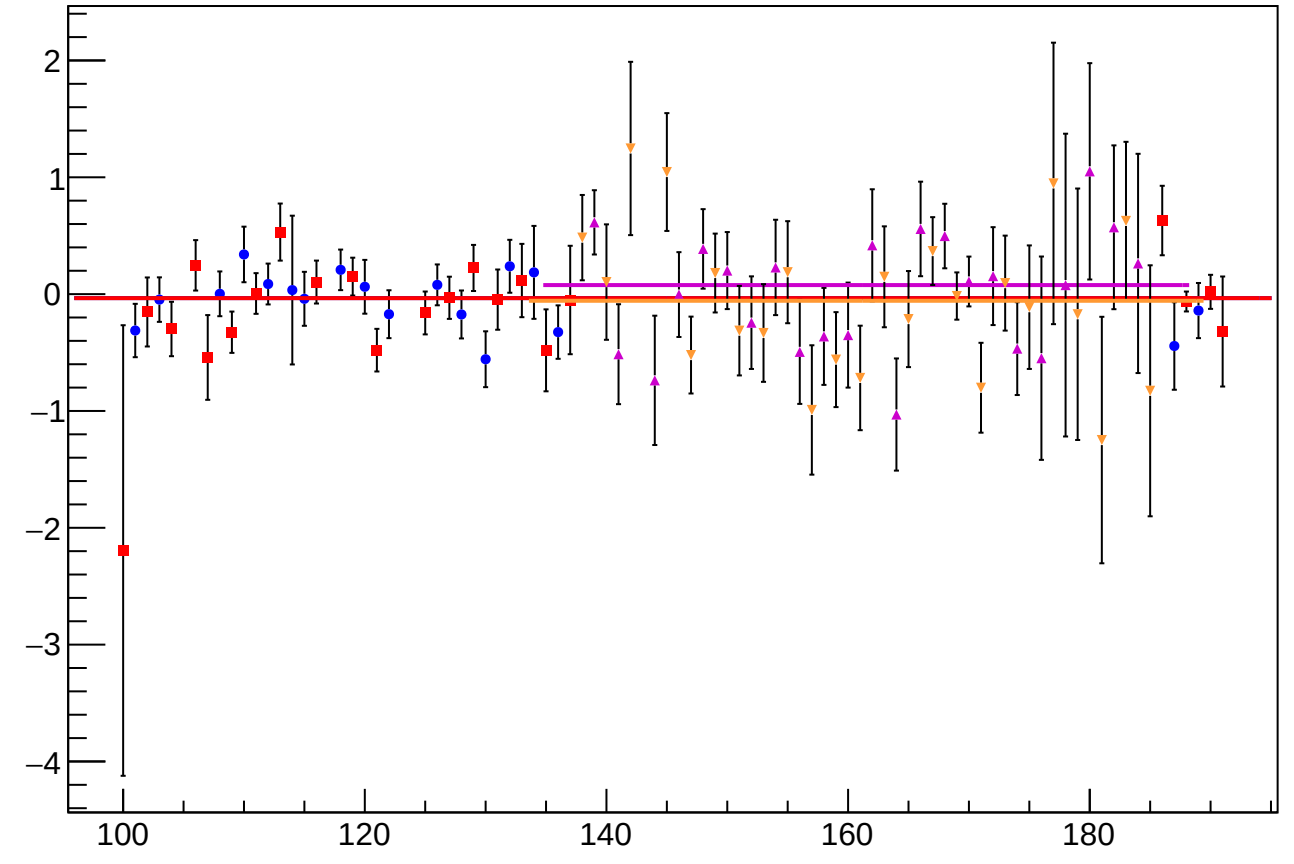
Right Out: 114.750+/-0.030 χ^2/NDF: 1726138.5/21

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 193.196+/-0.032 χ^2/NDF: 13118172.8/41

All: 173.041+/-0.020 χ^2/NDF: 30375520.1/86

- sign 158.725+/-0.027 χ^2/NDF: 16559325.2/44



Right In: -0.034+/-0.052 χ^2/NDF: 17.5/17

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

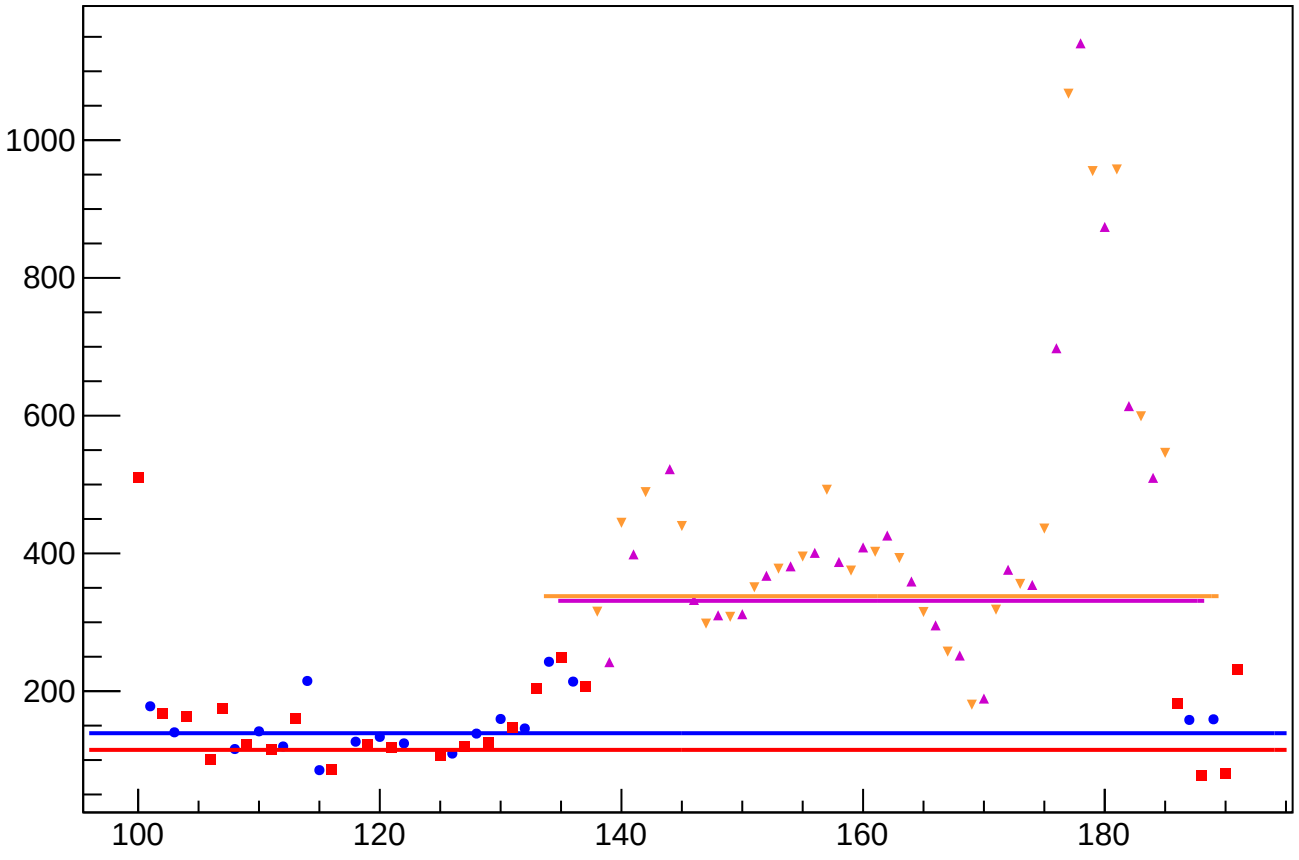
Right Out: -0.034+/-0.042 χ^2/NDF: 32.0/21

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: 108.6/86

- sign -0.012+/-0.038 χ^2/NDF: 60.4/44



Right In: 138.961+/-0.037 χ^2/NDF: 714355.1/17

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

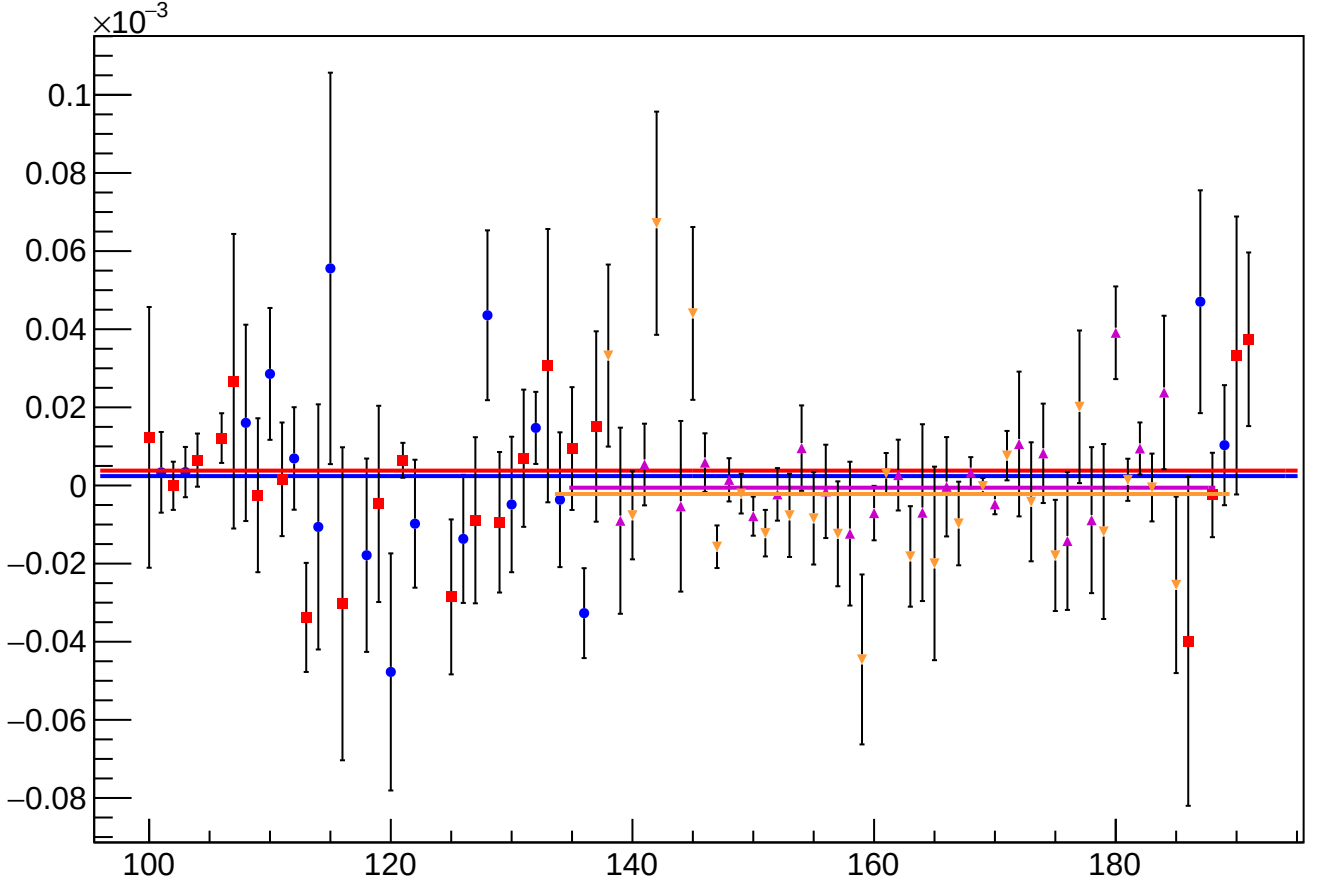
Right Out: 114.750+/-0.030 χ^2/NDF: 1726138.5/21

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 193.196+/-0.032 χ^2/NDF: 13118172.8/41

All: 173.041+/-0.020 χ^2/NDF: 30375520.1/86

- sign 158.725+/-0.027 χ^2/NDF: 16559325.2/44



Right In: 0.000+/-0.000 χ^2/NDF: 26.7/17

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/23

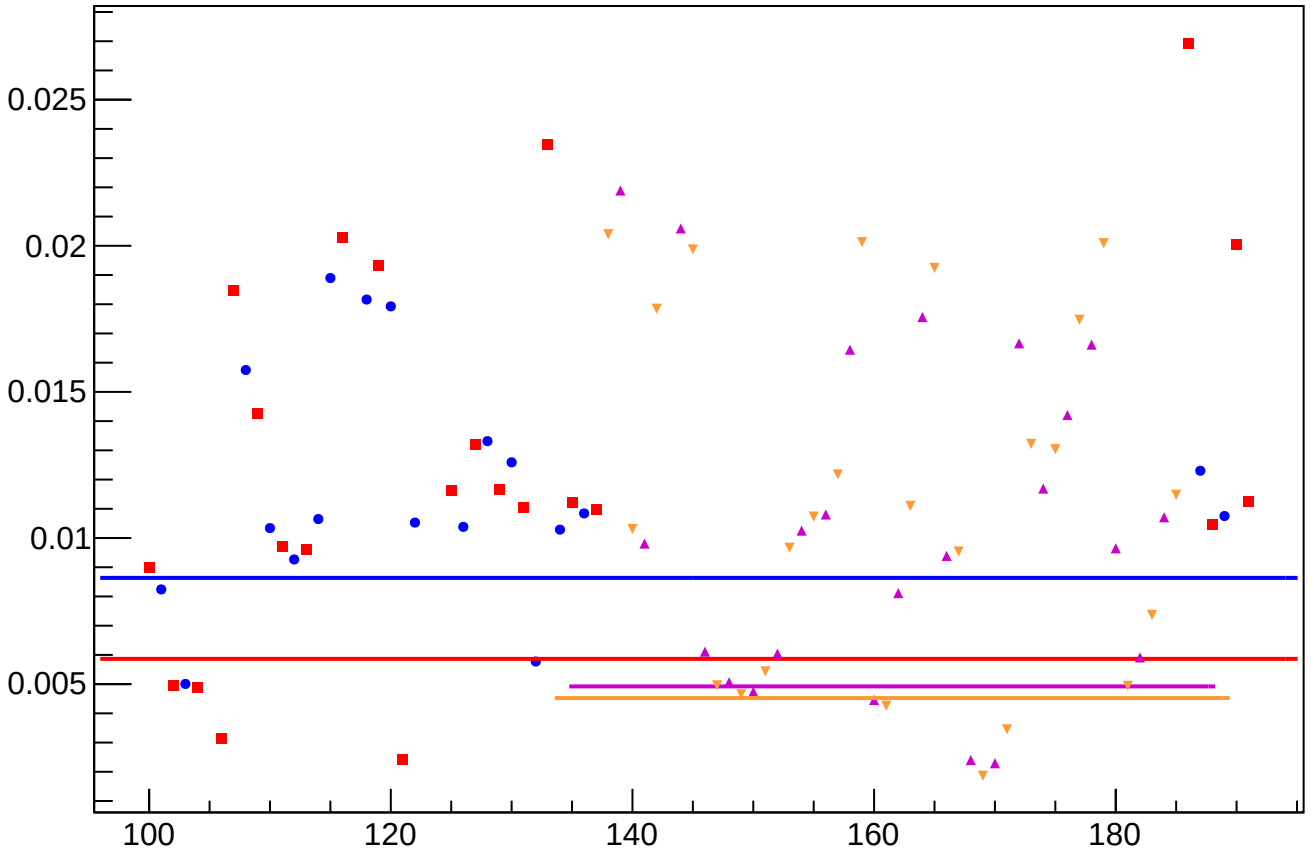
Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/21

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: 116.3/86

- sign 0.000+/-0.000 χ^2/NDF: 48.7/44



Right In: 0.009+/-0.000 χ^2/NDF: 2001301.1/17

Left Out: 0.005+/-0.000 χ^2/NDF:14239550.6/23

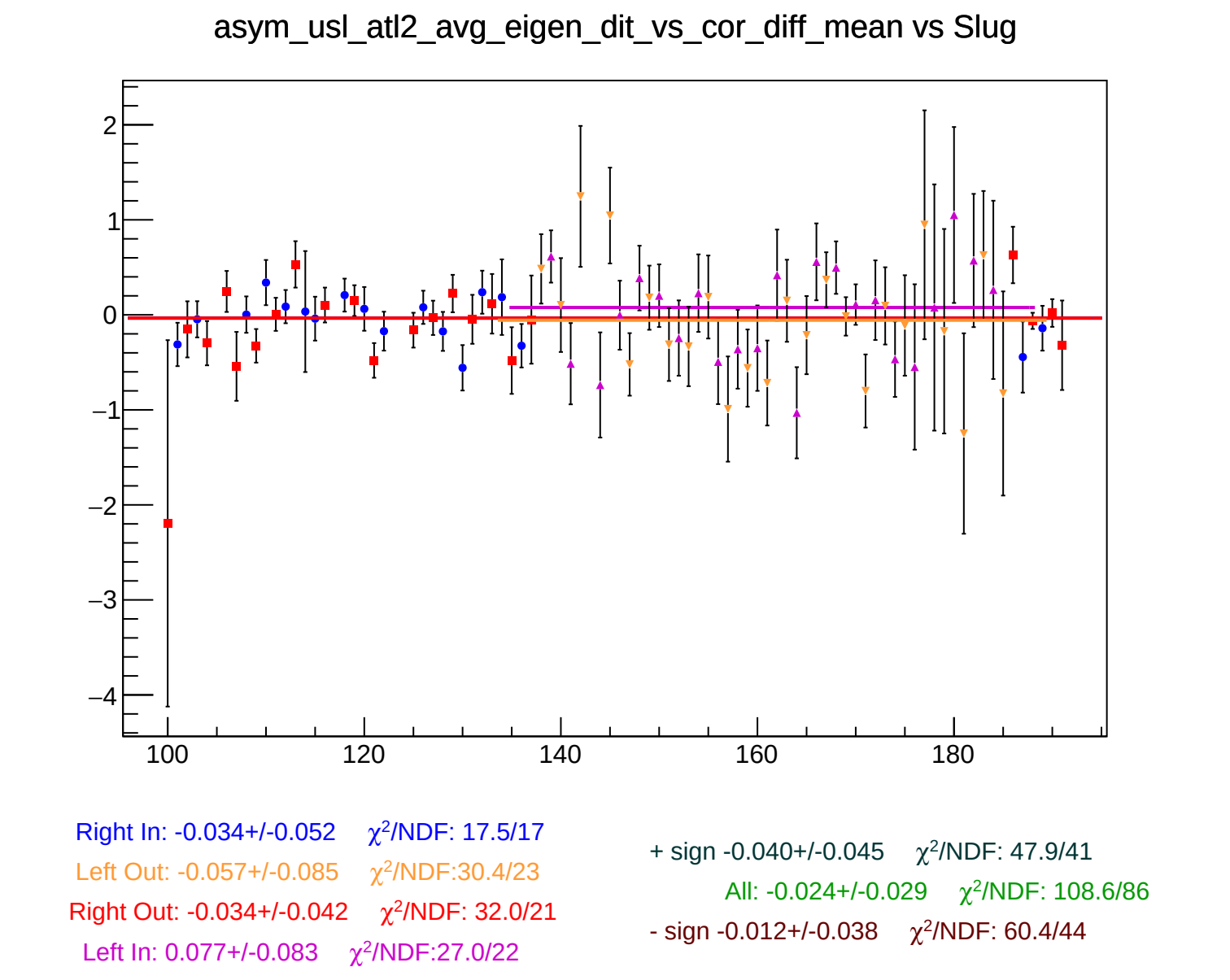
Right Out: 0.006+/-0.000 χ^2/NDF: 6273612.7/21

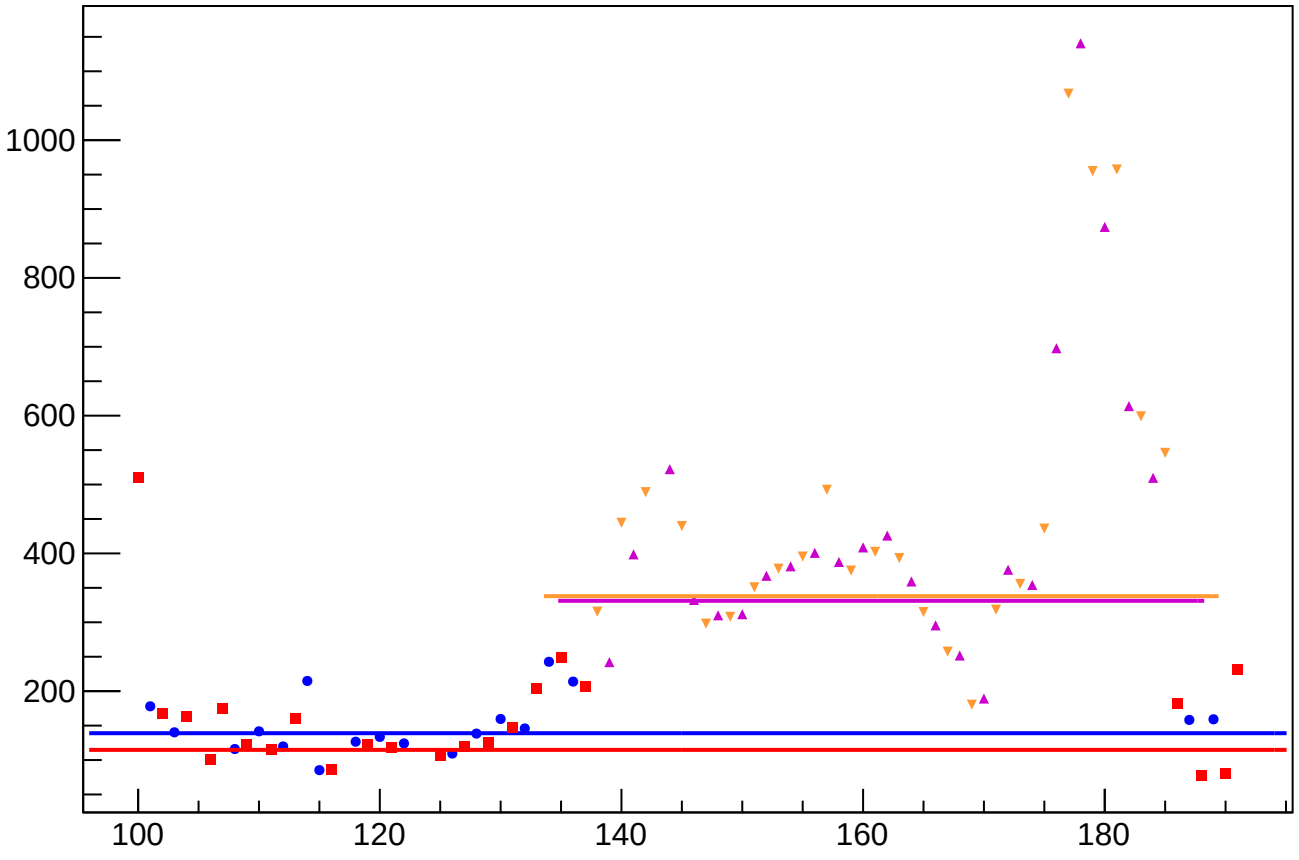
Left In: 0.005+/-0.000 χ^2/NDF:11626984.8/22

+ sign 0.005+/-0.000 χ^2/NDF: 18817239.1/41

All: 0.005+/-0.000 χ^2/NDF: 36936272.4/86

- sign 0.005+/-0.000 χ^2/NDF: 18117980.8/44


asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
120
140
160
180
Right In: -0.034+/-0.052 χ²/NDF: 17.5/17
Left Out: -0.057+/-0.085 χ²/NDF:30.4/23
Right Out: -0.034+/-0.042 χ²/NDF: 32.0/21
Left In: 0.077+/-0.083 χ²/NDF:27.0/22
+ sign -0.040+/-0.045 χ²/NDF: 47.9/41
All: -0.024+/-0.029 χ²/NDF: 108.6/86
- sign -0.012+/-0.038 χ²/NDF: 60.4/44



Right In: 138.961+/-0.037 χ^2/NDF: 714345.1/17

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

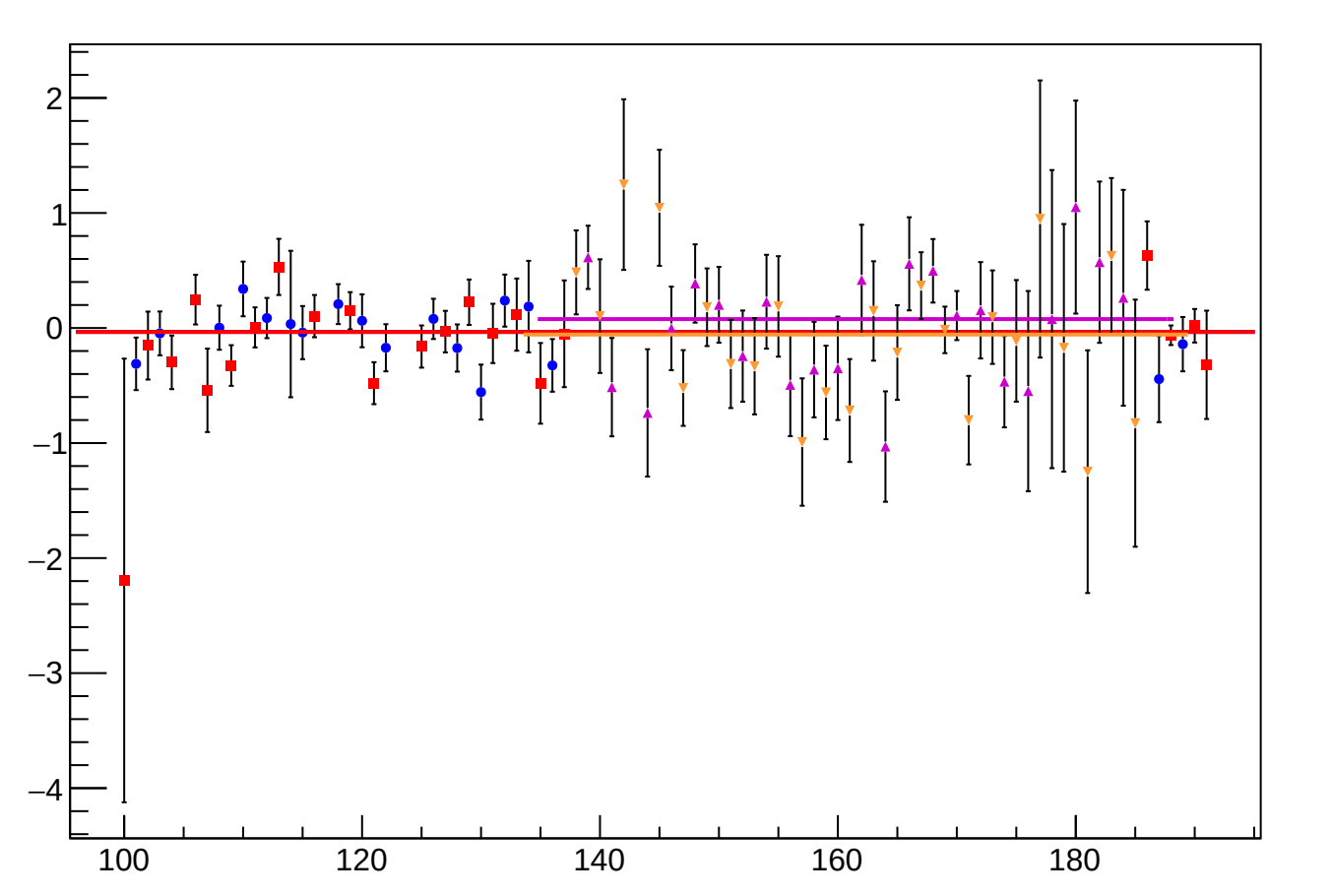
Right Out: 114.748+/-0.030 χ^2/NDF: 1726181.6/21

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 193.197+/-0.032 χ^2/NDF: 13118282.8/41

All: 173.039+/-0.020 χ^2/NDF: 30376168.9/86

- sign 158.723+/-0.027 χ^2/NDF: 16559748.8/44



Right In: -0.034+/-0.052 χ^2/NDF: 17.5/17

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

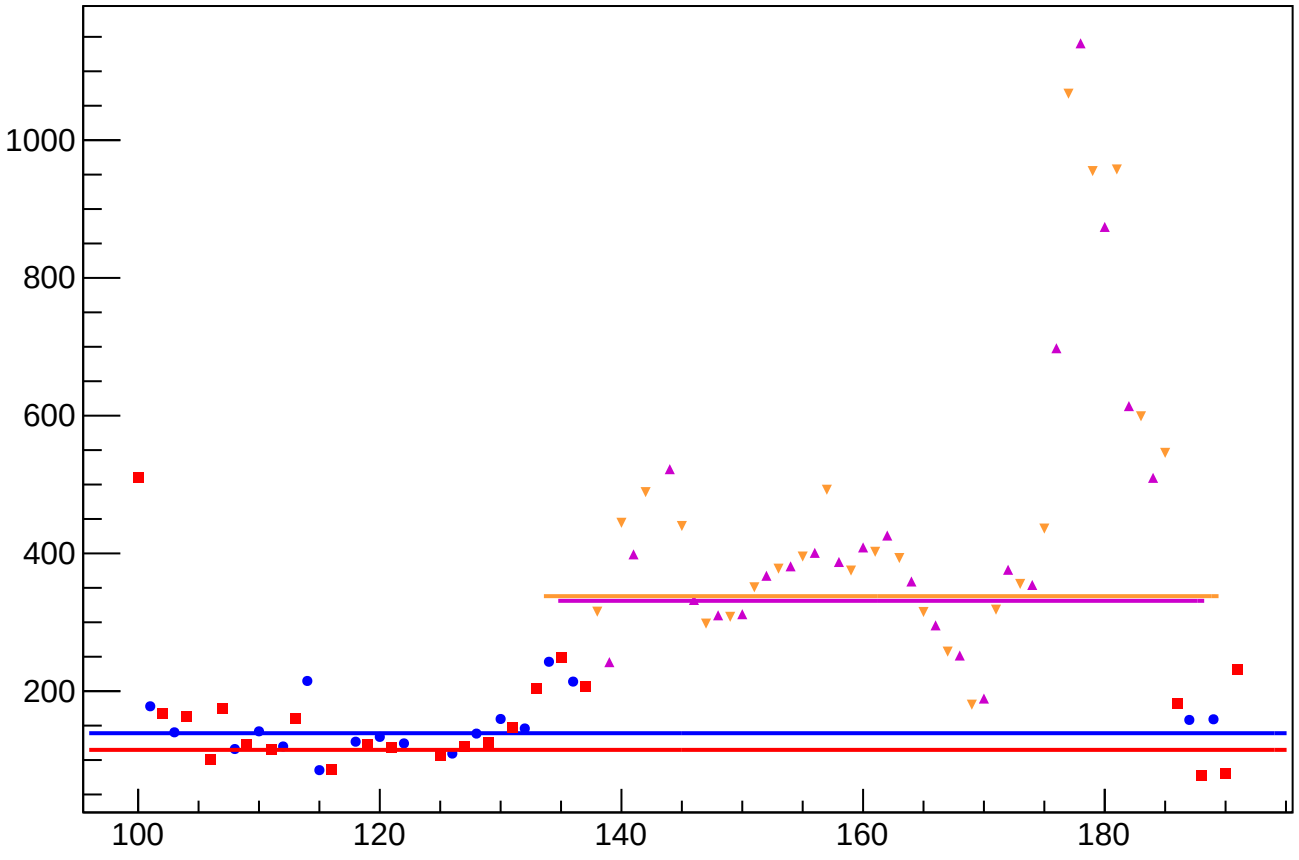
Right Out: -0.034+/-0.042 χ^2/NDF: 32.0/21

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: 108.6/86

- sign -0.012+/-0.038 χ^2/NDF: 60.4/44



Right In: 138.961+/-0.037 χ^2/NDF: 714345.1/17

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

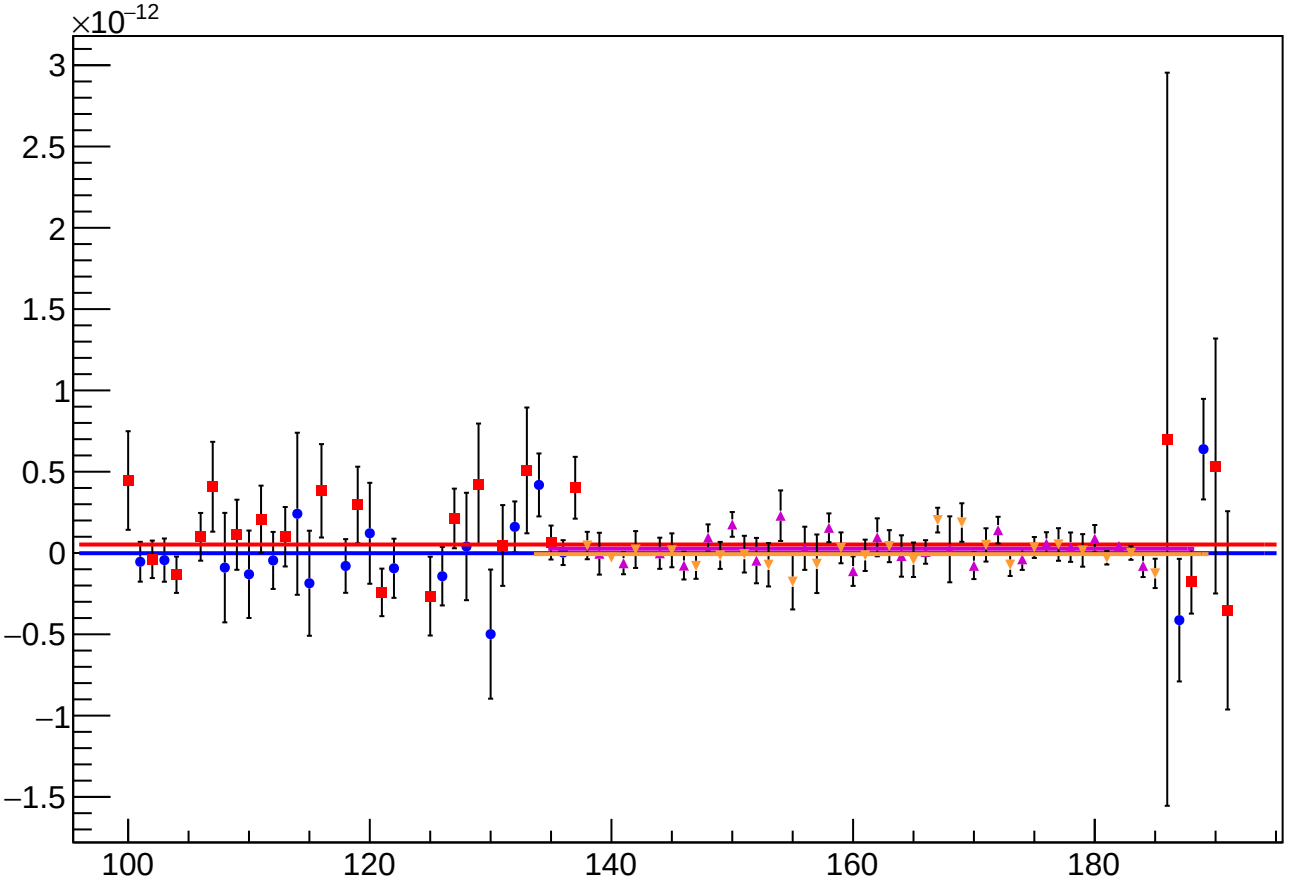
Right Out: 114.748+/-0.030 χ^2/NDF: 1726181.6/21

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 193.197+/-0.032 χ^2/NDF: 13118282.8/41

All: 173.039+/-0.020 χ^2/NDF: 30376168.9/86

- sign 158.723+/-0.027 χ^2/NDF: 16559748.8/44



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

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/23

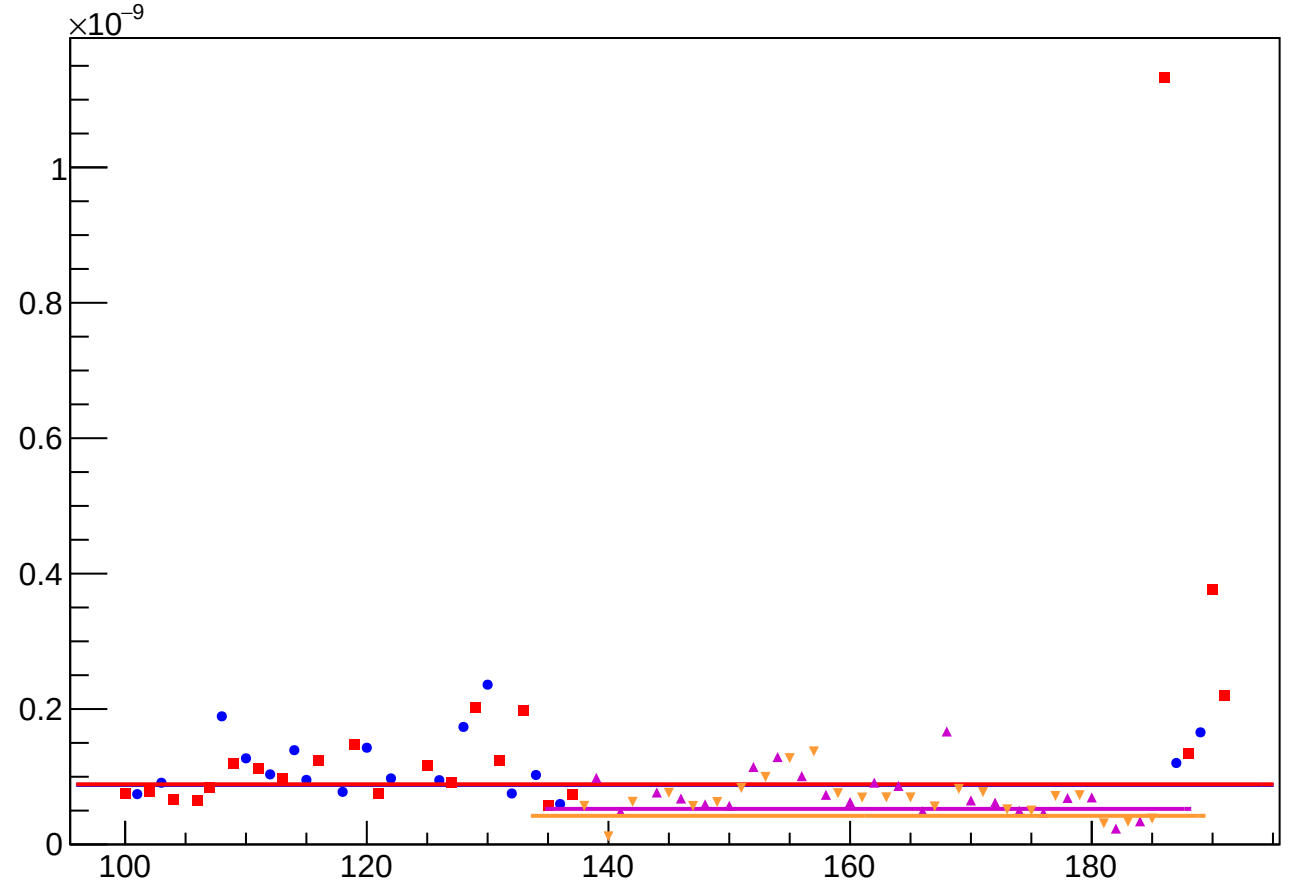
Right Out: 0.000+/-0.000 χ^2/NDF: 24.5/21

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: 84.3/86

- sign 0.000+/-0.000 χ^2/NDF: 47.6/44



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: 1894489.2/21

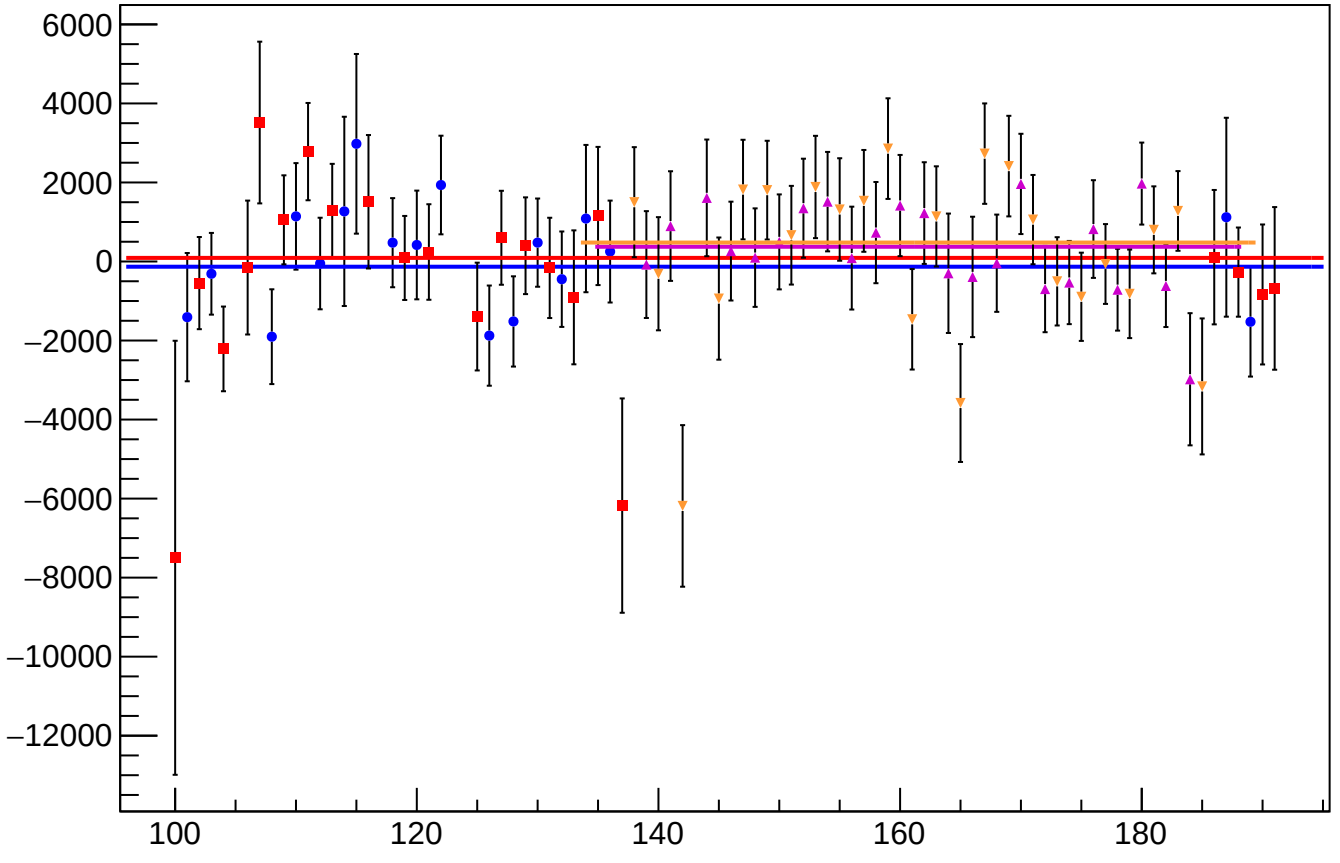
Left In: 0.000+/-0.000 χ^2/NDF:4897147.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 10030721.2/41

All: 0.000+/-0.000 χ^2/NDF: 18726141.0/86

- sign 0.000+/-0.000 χ^2/NDF: 8168724.8/44

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: 91.287+/-296.944 χ^2/NDF: 24.9/21

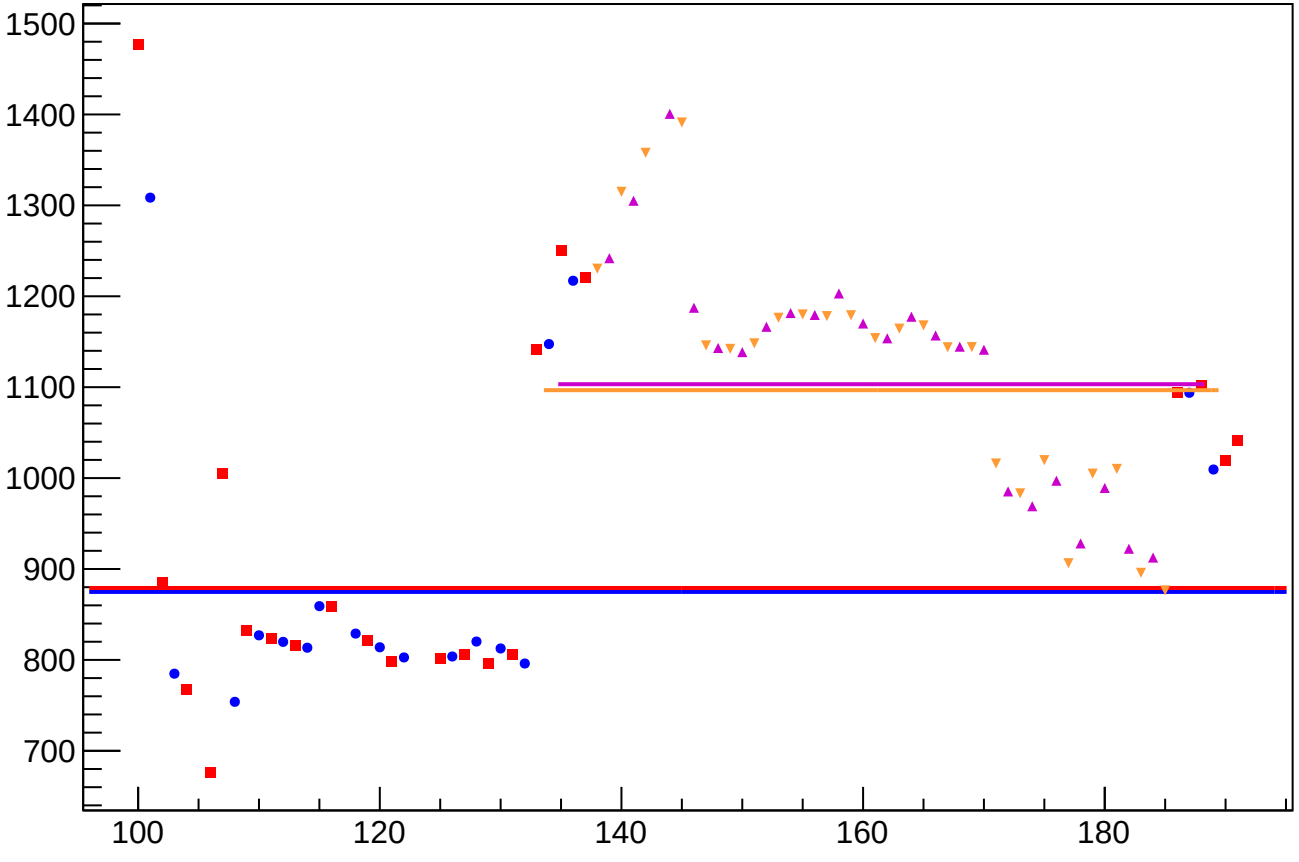
Left In: 372.926+/-259.314 χ^2/NDF:16.0/22

+ sign 235.945+/-198.834 χ^2/NDF: 62.1/41

All: 243.643+/-139.338 χ^2/NDF: 103.6/86

- sign 251.072+/-195.320 χ^2/NDF: 41.5/44

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: 879.137+/-0.208 χ^2/NDF: 464807.8/21

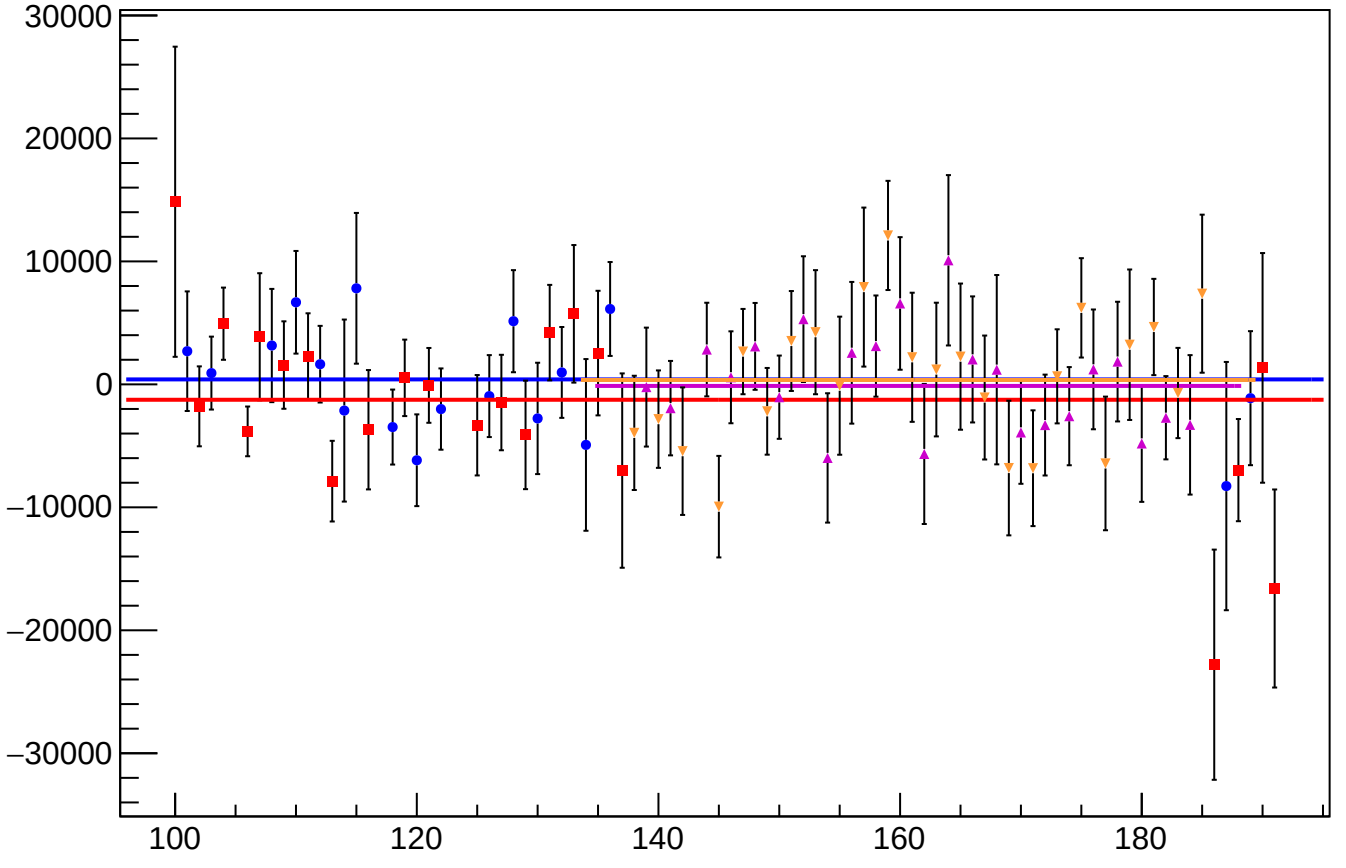
Left In: 1103.281+/-0.183 χ^2/NDF:447540.4/22

+ sign 1008.324+/-0.141 χ^2/NDF: 1521389.7/41

All: 1006.693+/-0.098 χ^2/NDF: 3088307.1/86

- sign 1005.134+/-0.137 χ^2/NDF: 1566654.3/44

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: -1252.570+/-835.425 χ^2/NDF: 31.3/21

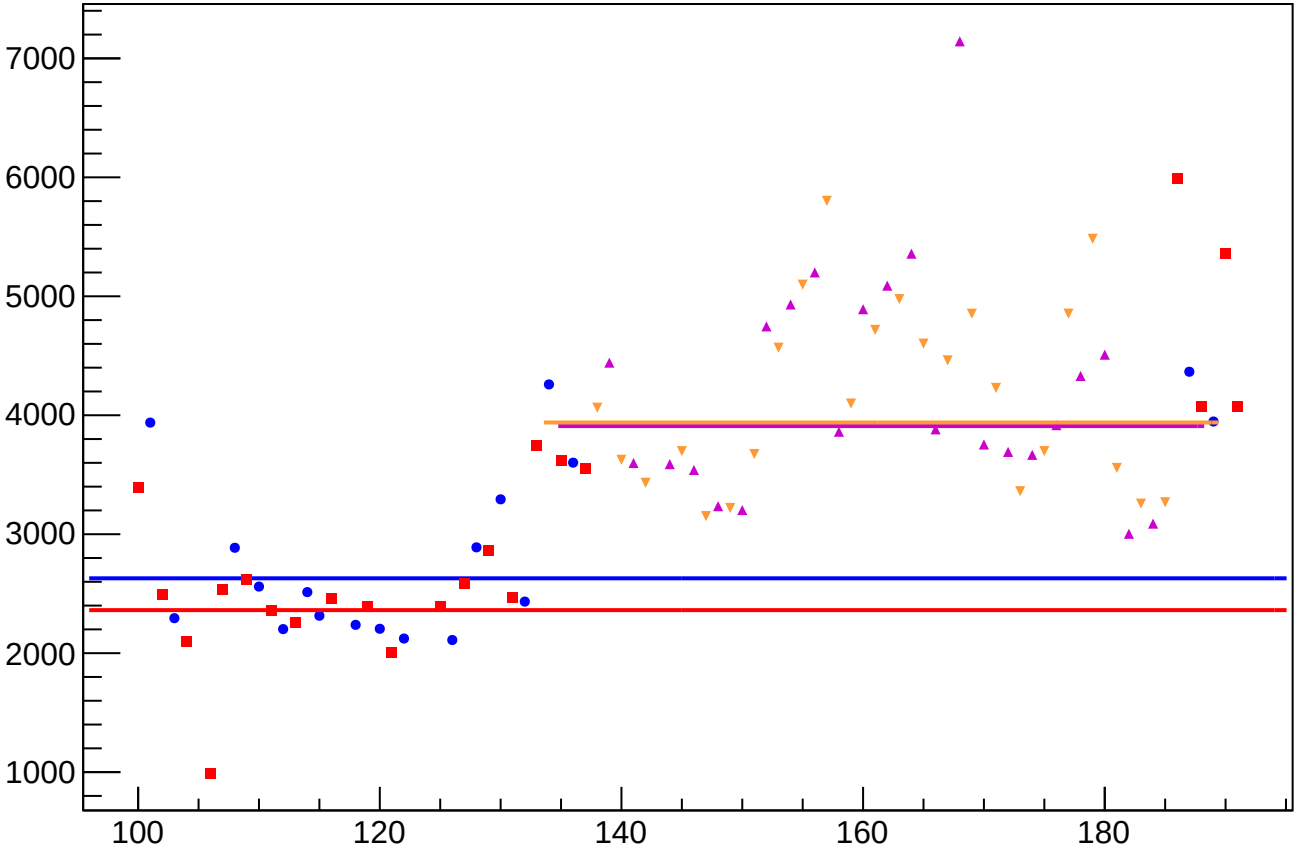
Left In: -126.696+/-932.645 χ^2/NDF:13.8/22

+ sign 379.750+/-669.986 χ^2/NDF: 45.8/41

All: -227.505+/-455.951 χ^2/NDF: 93.2/86

- sign -751.355+/-622.277 χ^2/NDF: 45.9/44

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: 2361.762+/-0.591 χ^2/NDF: 2259844.3/21

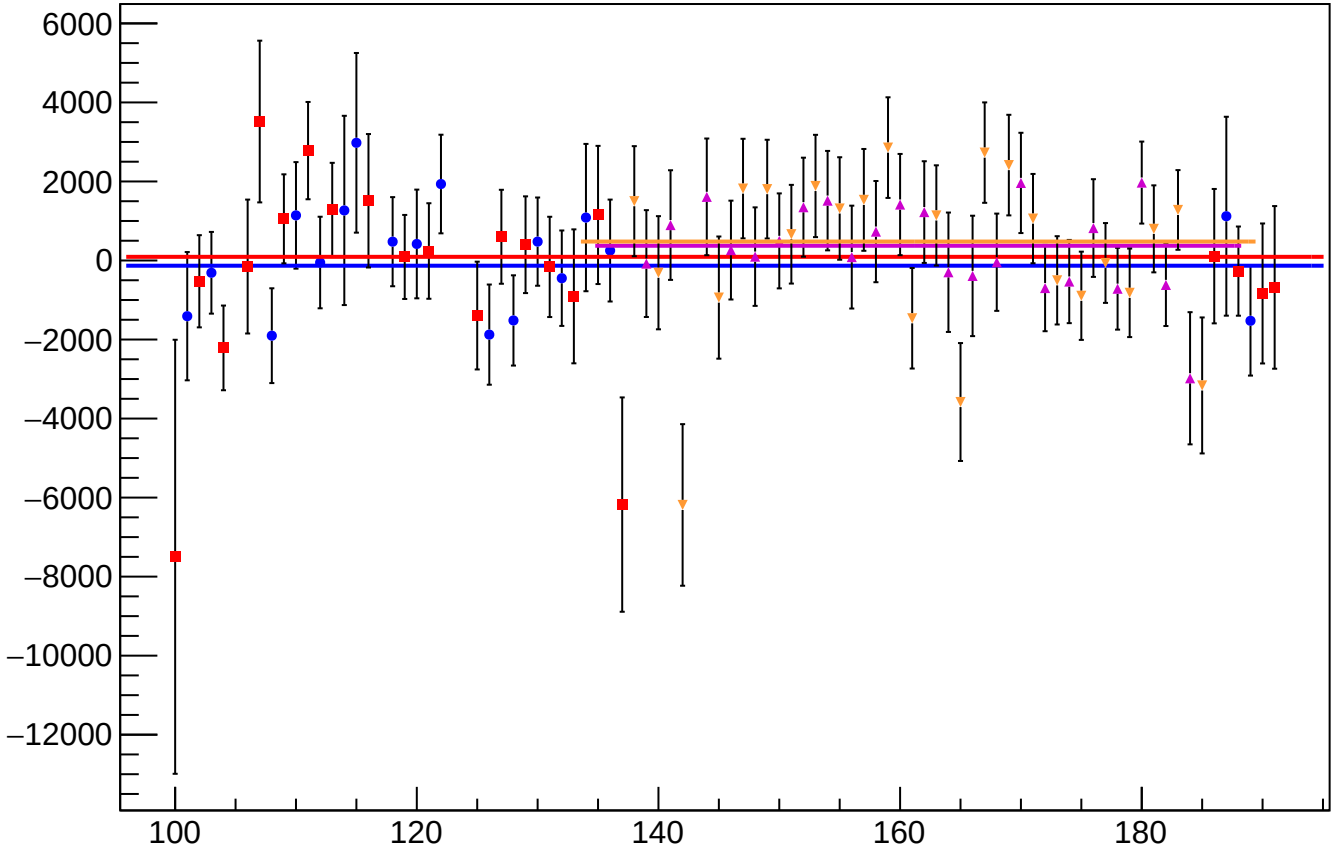
Left In: 3909.133+/-0.659 χ^2/NDF:1300774.2/22

+ sign 3303.030+/-0.474 χ^2/NDF: 3848507.9/41

All: 3167.518+/-0.322 χ^2/NDF: 10616016.5/8

- sign 3050.619+/-0.440 χ^2/NDF: 6615109.4/44

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: 92.675+/-296.948 χ^2/NDF: 24.9/21

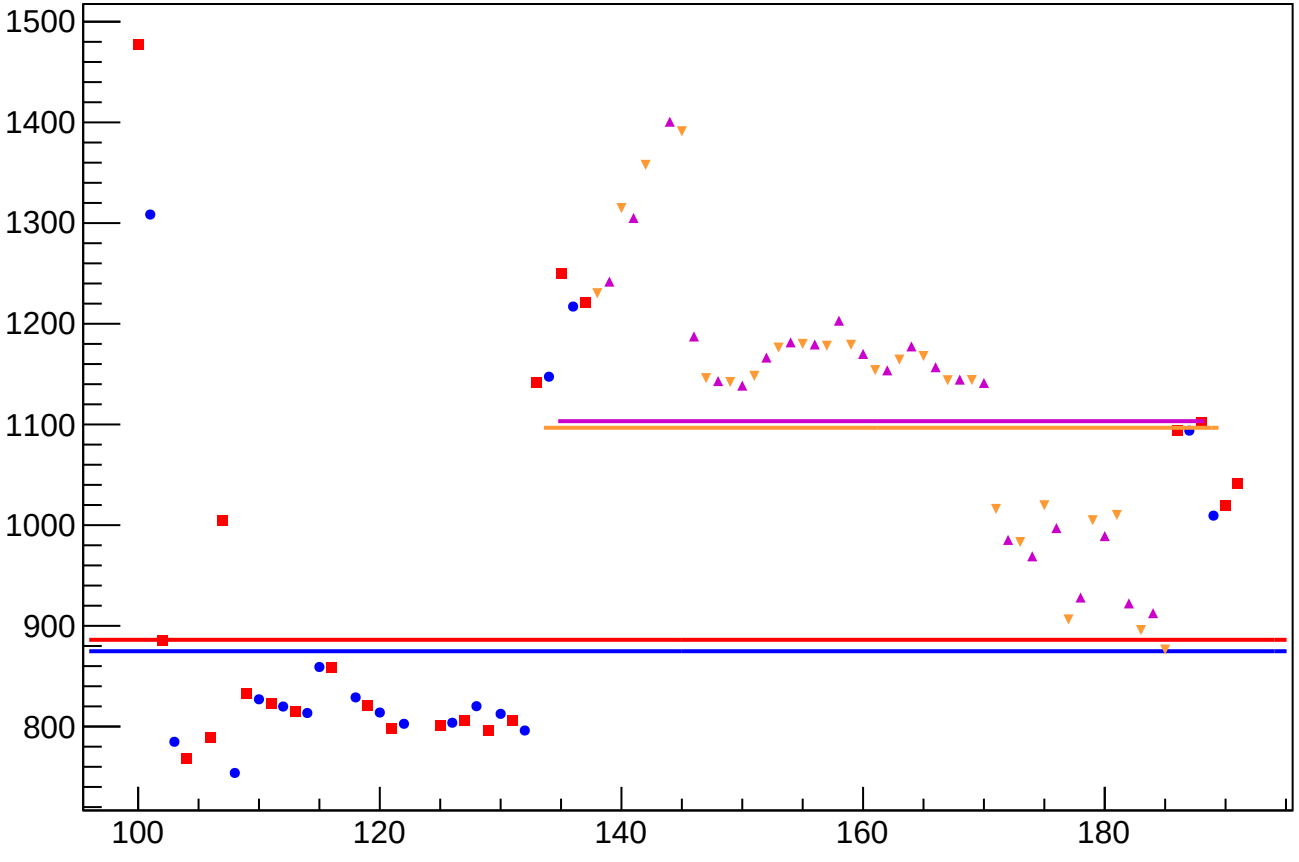
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

+ sign 235.926+/-198.834 χ^2/NDF: 62.1/41

All: 243.933+/-139.338 χ^2/NDF: 103.6/86

- sign 251.660+/-195.322 χ^2/NDF: 41.5/44

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: 886.130+/-0.209 χ^2/NDF: 422012.5/21

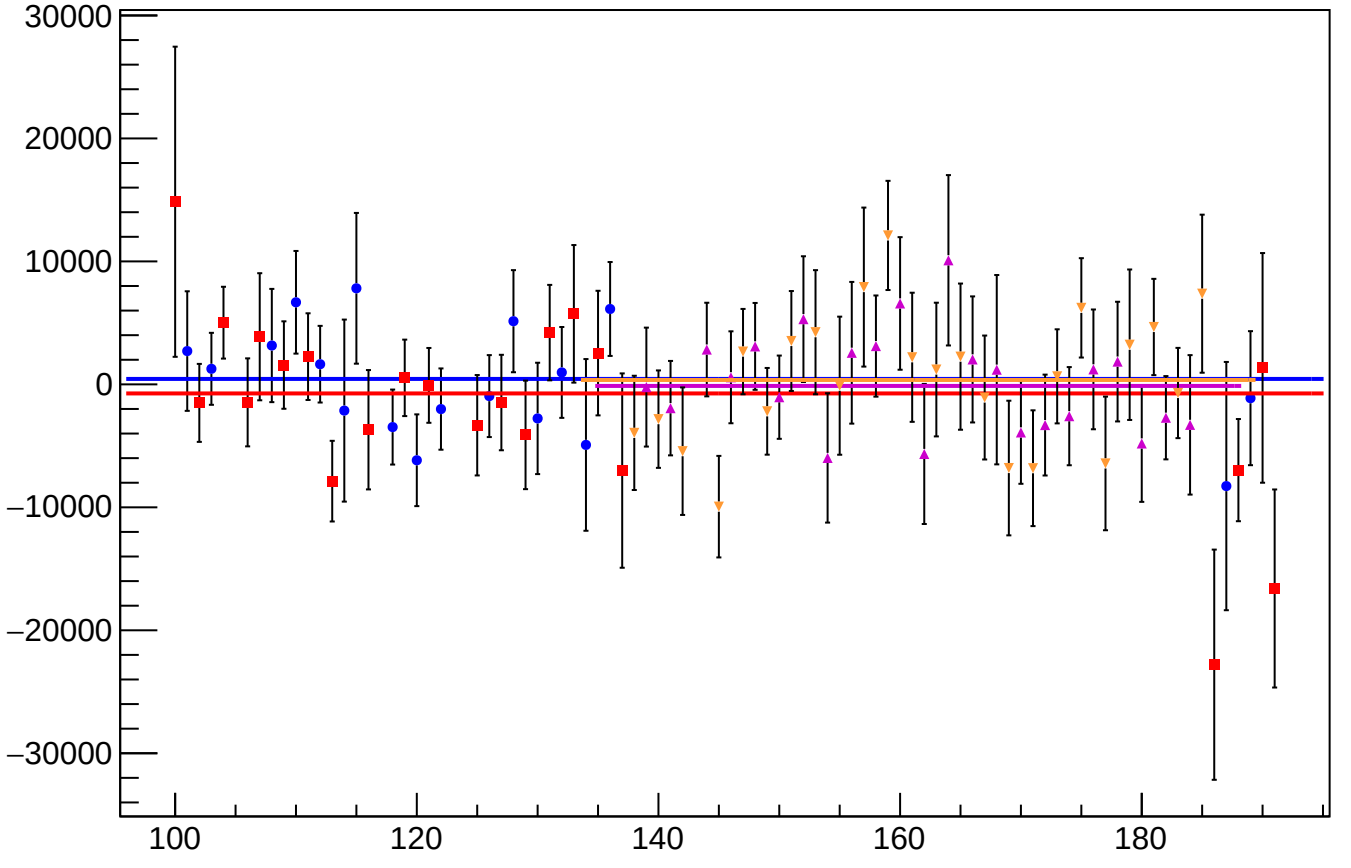
Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 1008.324+/-0.141 χ^2/NDF: 1521389.8/41

All: 1008.597+/-0.098 χ^2/NDF: 3000779.0/86

- sign 1008.859+/-0.138 χ^2/NDF: 1479381.8/44

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: -737.514+/-886.564 χ^2/NDF: 29.5/21

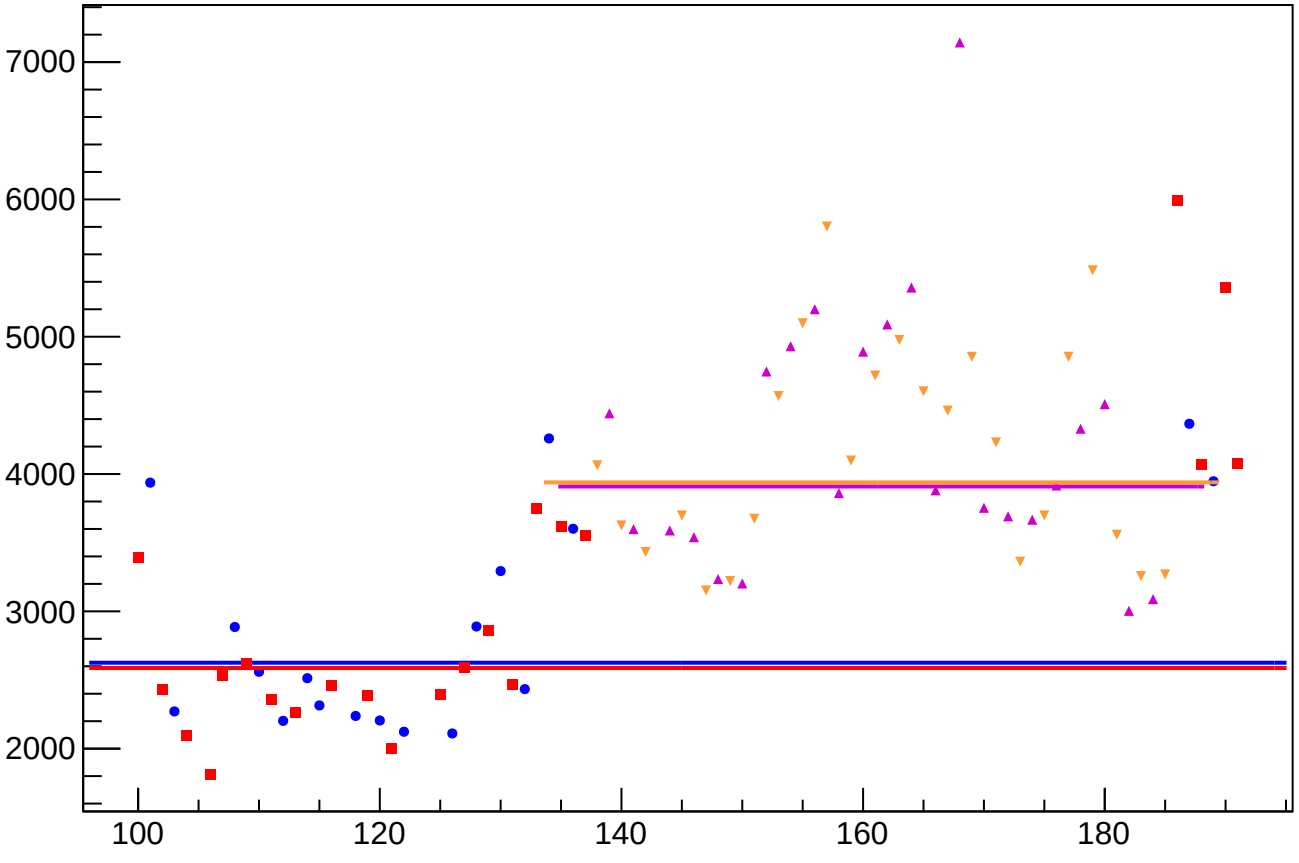
Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

+ sign 398.848+/-669.529 χ^2/NDF: 45.8/41

All: -41.729+/-463.603 χ^2/NDF: 90.2/86

- sign -447.538+/-642.568 χ^2/NDF: 43.5/44

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: 2587.036+/-0.627 χ^2/NDF: 1252579.2/21

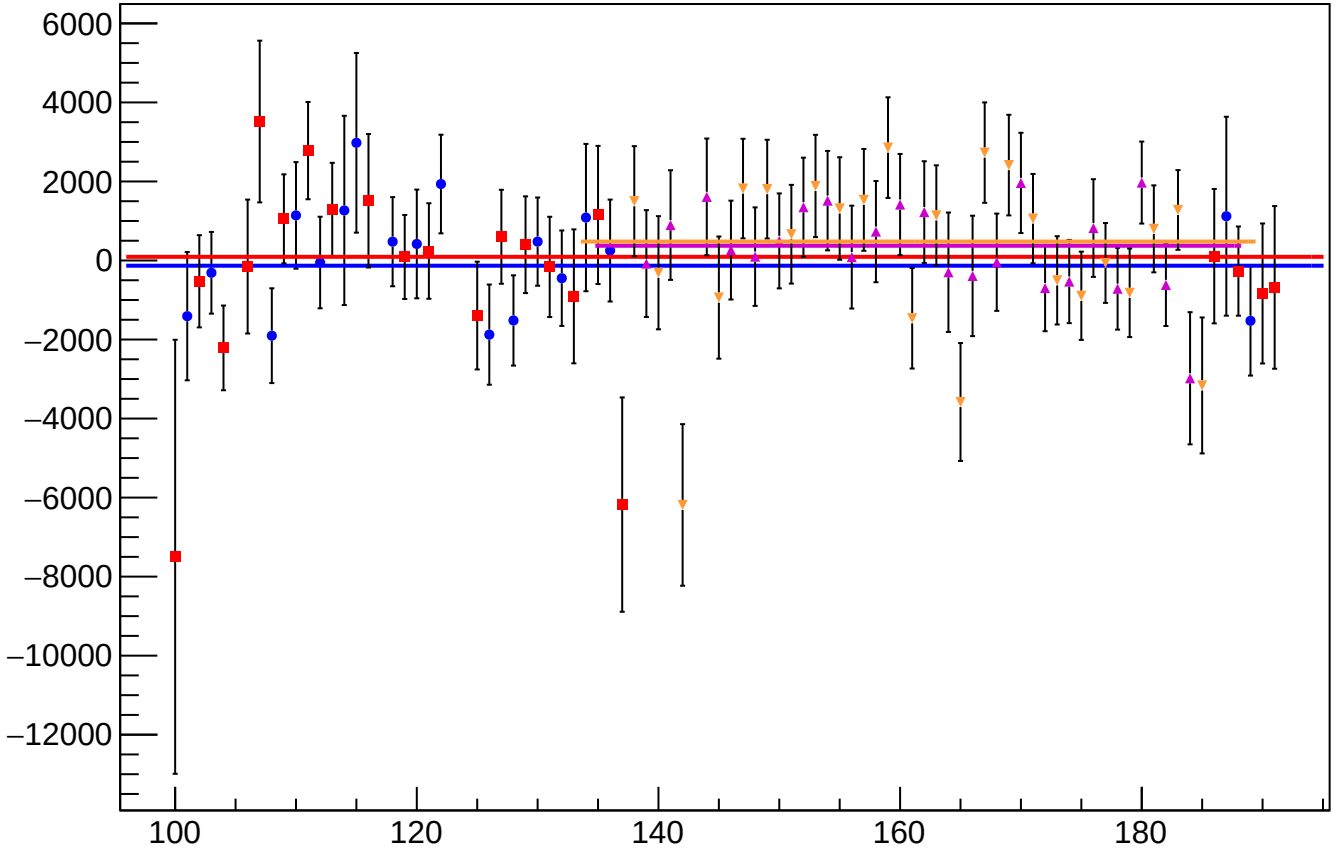
Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

+ sign 3300.443+/-0.473 χ^2/NDF: 3865555.7/41

All: 3255.766+/-0.328 χ^2/NDF: 8547278.8/86

- sign 3214.614+/-0.454 χ^2/NDF: 4664614.5/44

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: 92.675+/-296.948 χ^2/NDF: 24.9/21

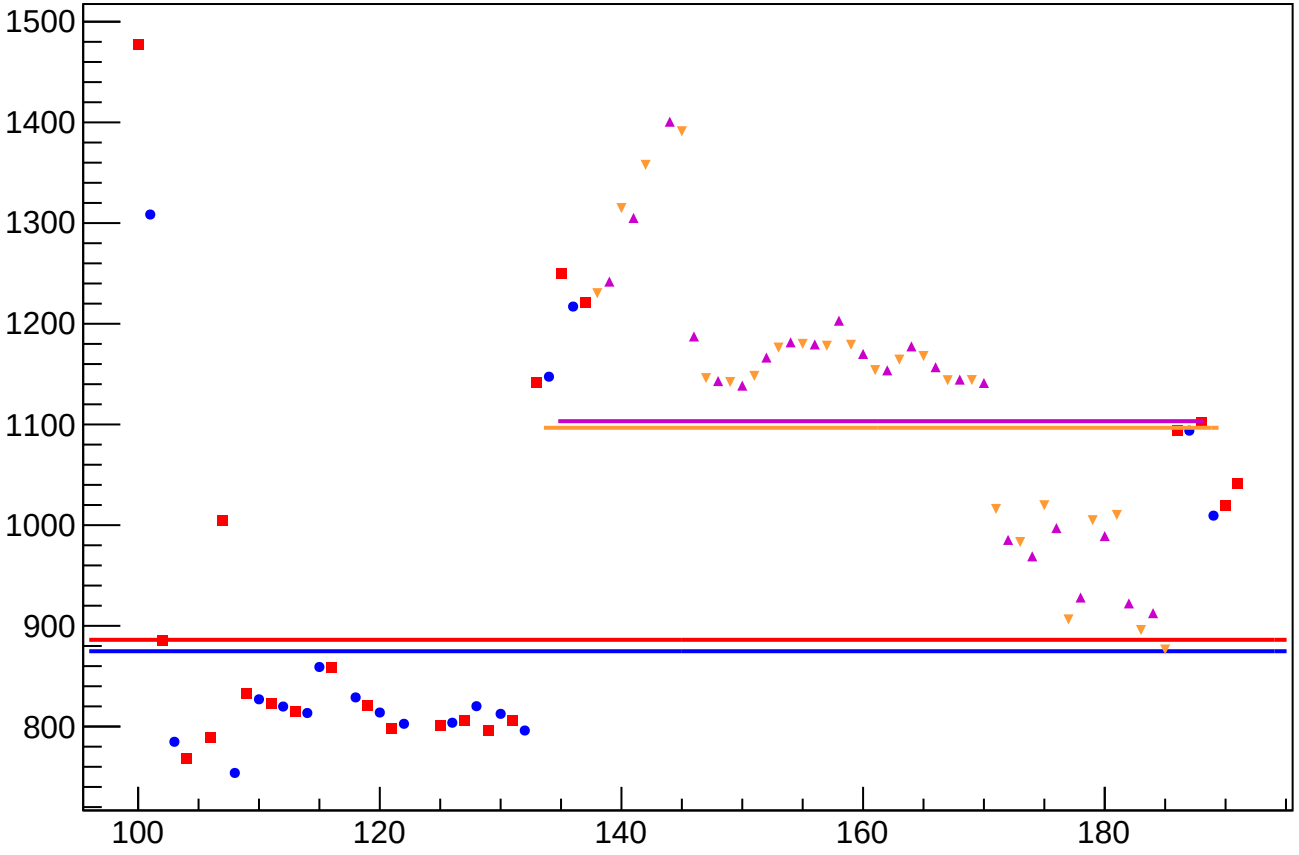
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

+ sign 235.926+/-198.834 χ^2/NDF: 62.1/41

All: 243.933+/-139.338 χ^2/NDF: 103.6/86

- sign 251.660+/-195.322 χ^2/NDF: 41.5/44

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

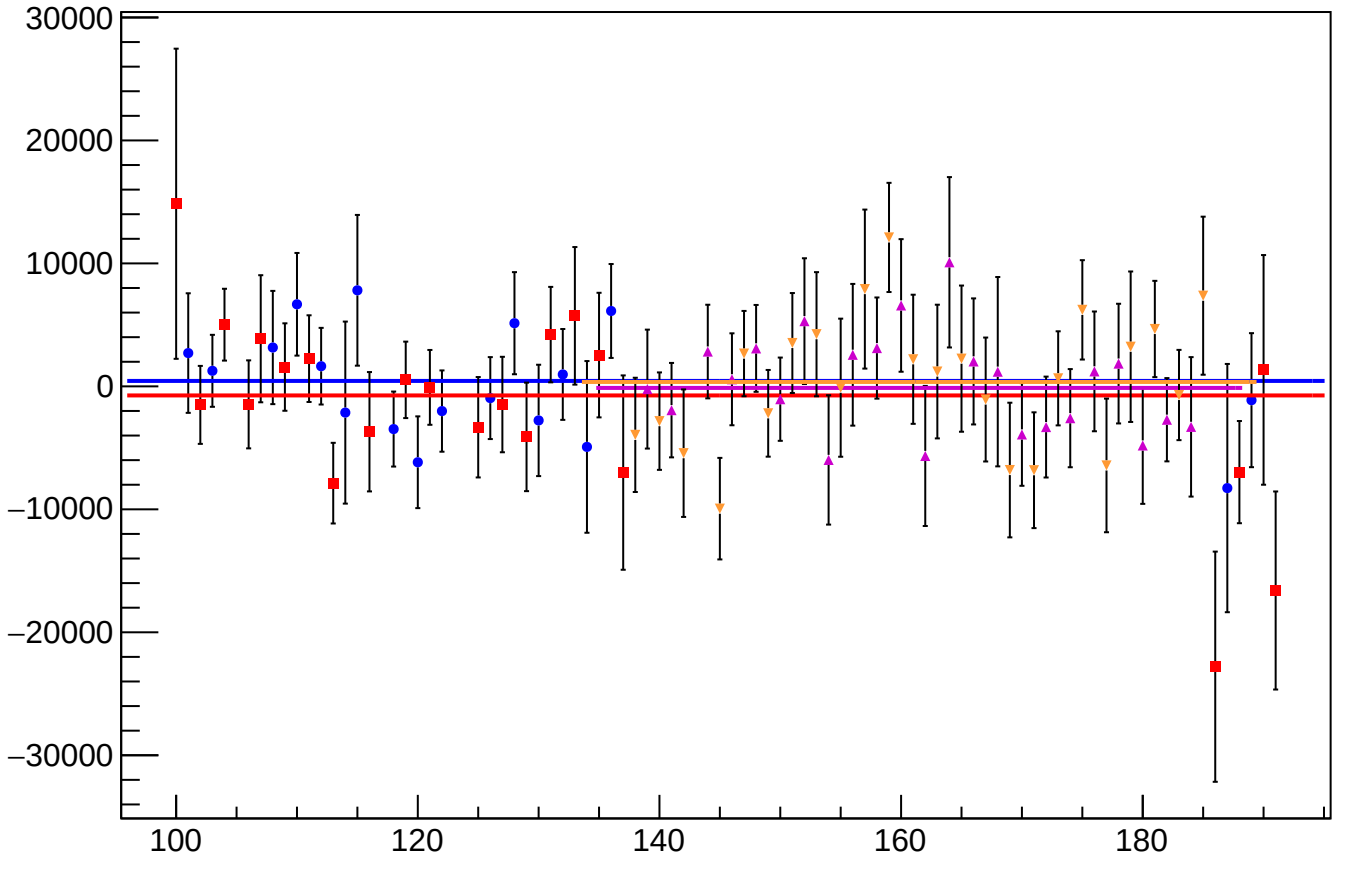
Right Out: 886.130+/-0.209 χ^2/NDF: 422012.5/21

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 1008.324+/-0.141 χ^2/NDF: 1521389.8/41

All: 1008.597+/-0.098 χ^2/NDF: 3000779.0/86

- sign 1008.859+/-0.138 χ^2/NDF: 1479381.8/44



Right In: 442.272+/-960.021 χ^2/NDF: 15.5/17

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

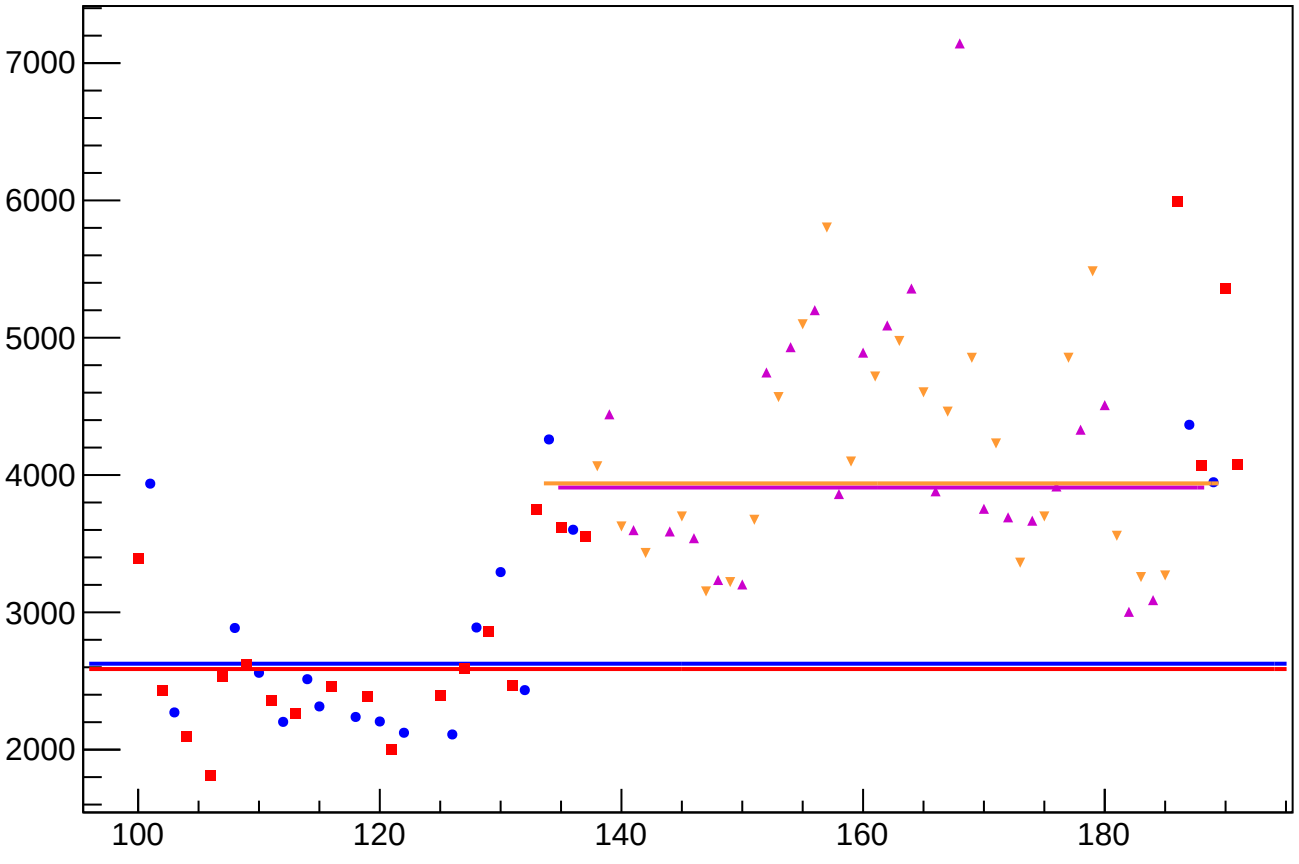
Right Out: -737.514+/-886.564 χ^2/NDF: 29.5/21

Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

+ sign 398.848+/-669.529 χ^2/NDF: 45.8/41

All: -41.729+/-463.603 χ^2/NDF: 90.2/86

- sign -447.538+/-642.568 χ^2/NDF: 43.5/44



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: 2587.036+/-0.627 χ^2/NDF: 1252579.2/21

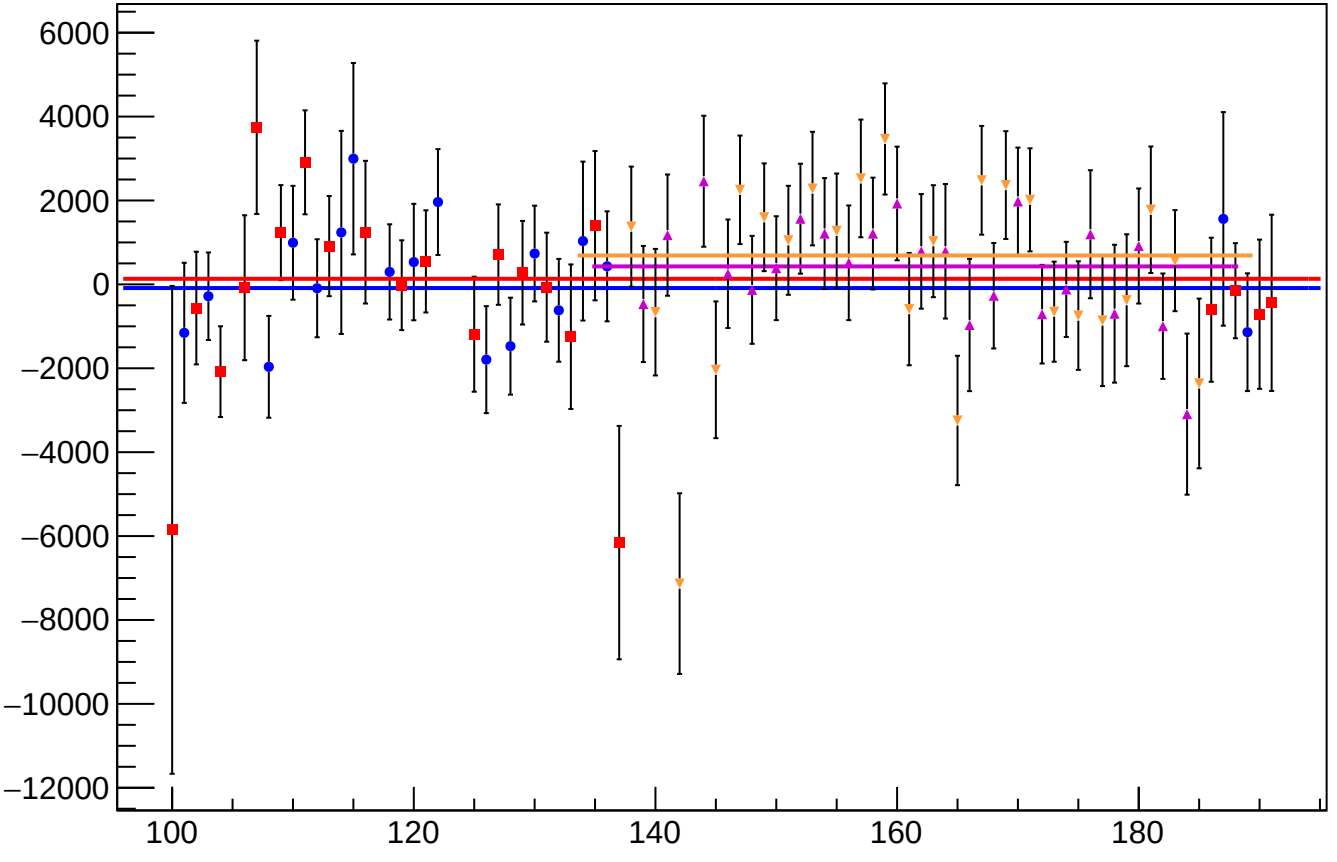
Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

+ sign 3300.443+/-0.473 χ^2/NDF: 3865555.7/41

All: 3255.766+/-0.328 χ^2/NDF: 8547278.8/86

- sign 3214.614+/-0.454 χ^2/NDF: 4664614.5/44

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: 132.718+/-302.179 χ^2/NDF: 23.5/21

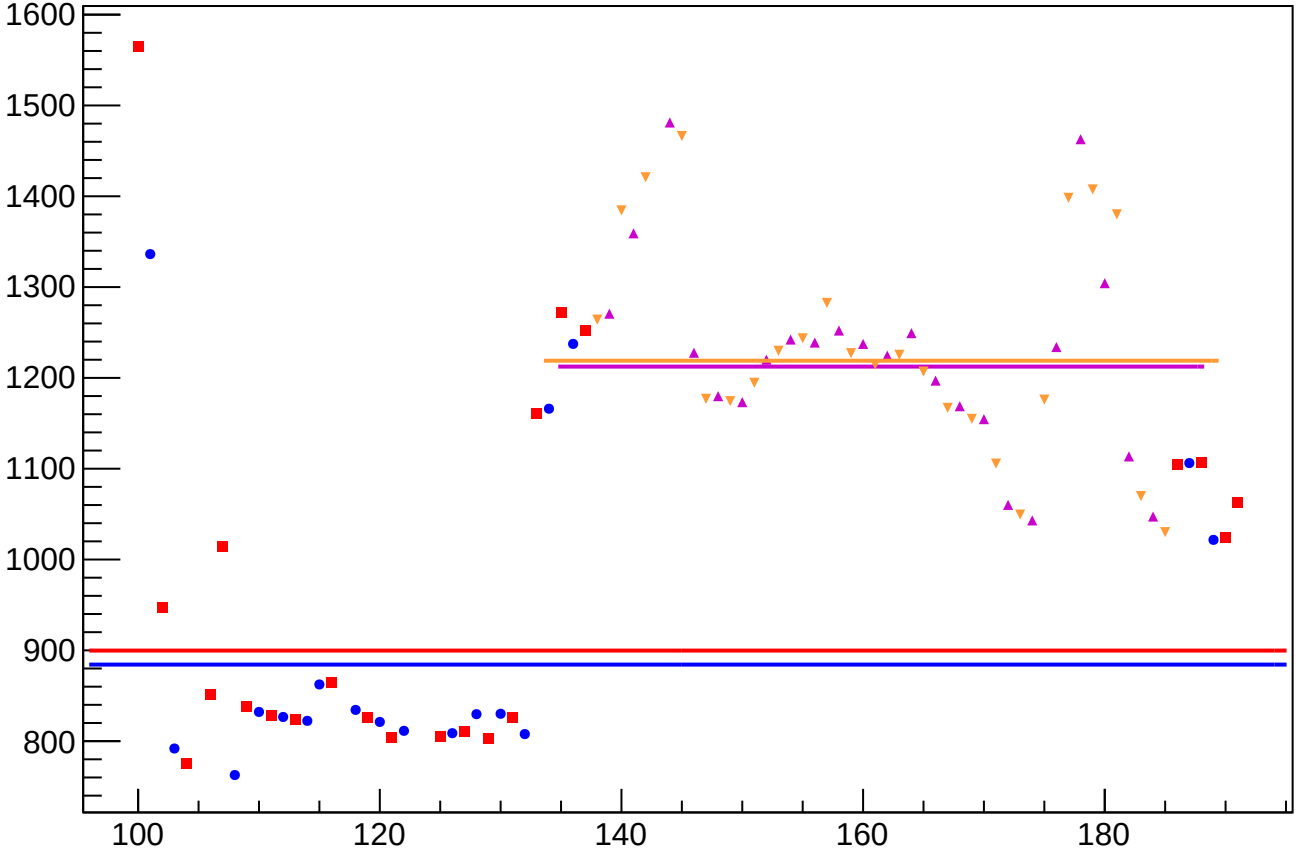
Left In: 428.052+/-284.383 χ^2/NDF:14.6/22

+ sign 344.860+/-212.217 χ^2/NDF: 63.0/41

All: 316.421+/-148.216 χ^2/NDF: 101.7/86

- sign 289.338+/-207.095 χ^2/NDF: 38.7/44

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: 899.742+/-0.213 χ^2/NDF: 427722.6/21

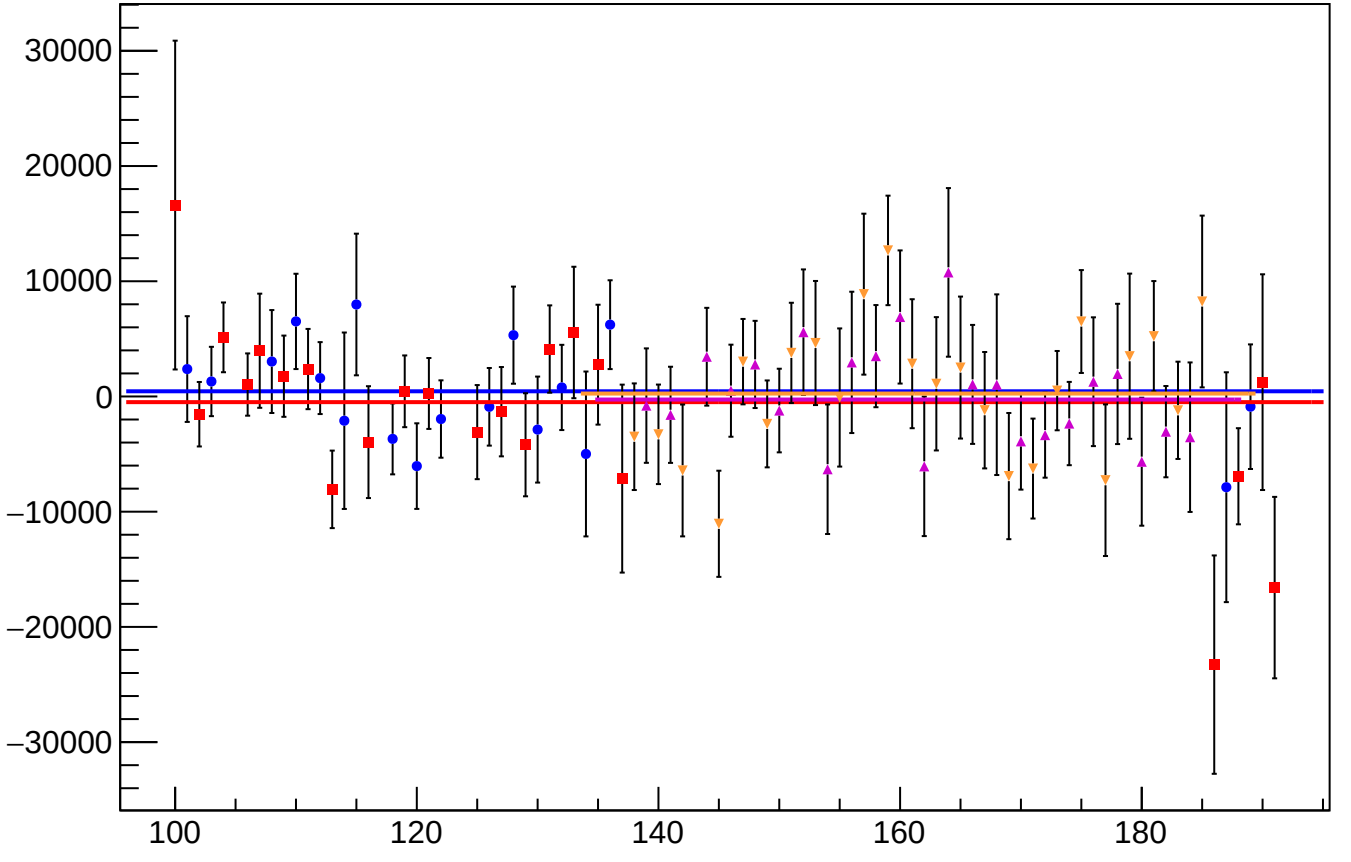
Left In: 1212.447+/-0.201 χ^2/NDF:260320.0/22

+ sign 1070.638+/-0.150 χ^2/NDF: 1974787.0/41

All: 1067.976+/-0.105 χ^2/NDF: 3800253.6/86

- sign 1065.443+/-0.146 χ^2/NDF: 1824852.5/44

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: -492.119+/-861.624 χ^2/NDF: 30.1/21

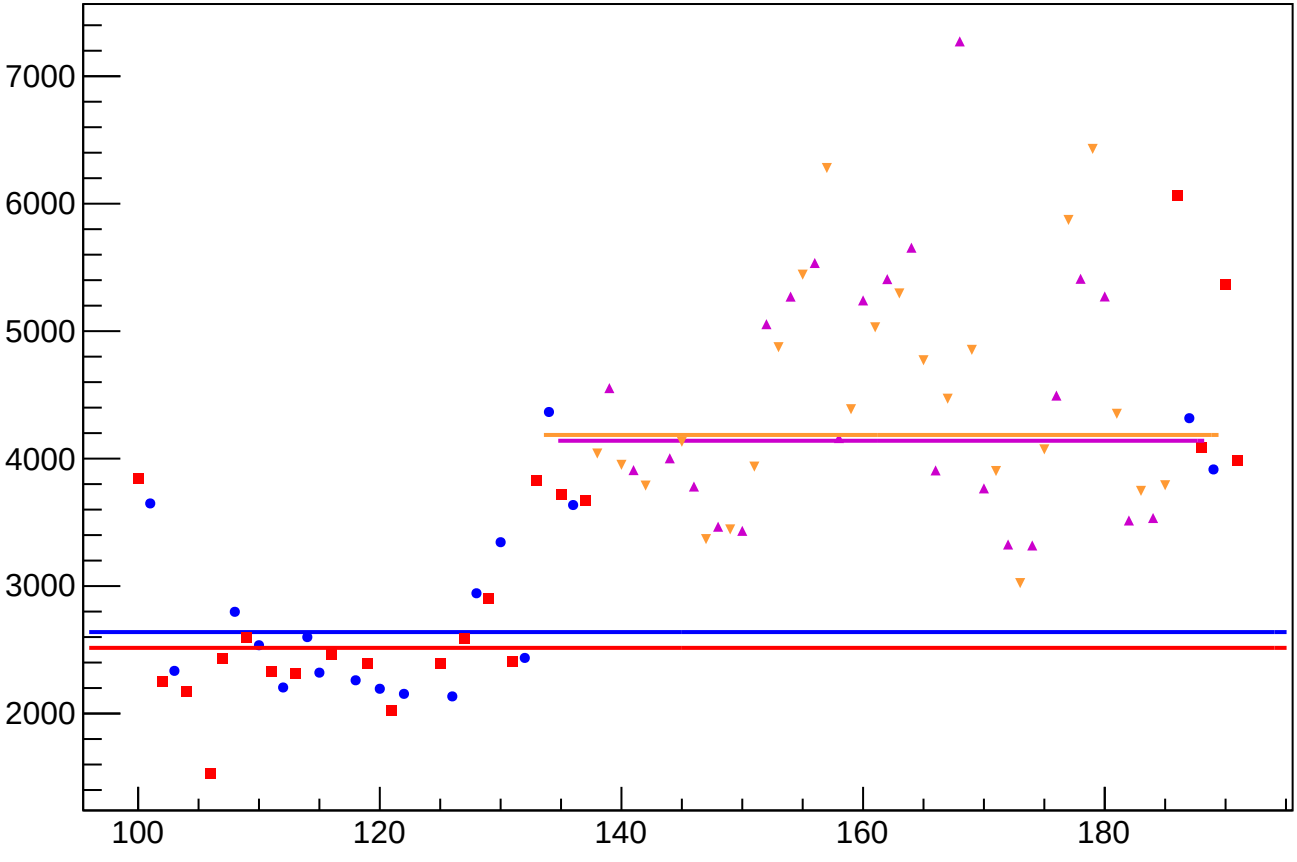
Left In: -266.235+/-990.083 χ^2/NDF:13.4/22

+ sign 354.361+/-692.552 χ^2/NDF: 45.2/41

All: -43.946+/-473.935 χ^2/NDF: 89.4/86

- sign -394.772+/-649.964 χ^2/NDF: 43.6/44

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: 2515.193+/-0.609 χ^2/NDF: 1486812.8/21

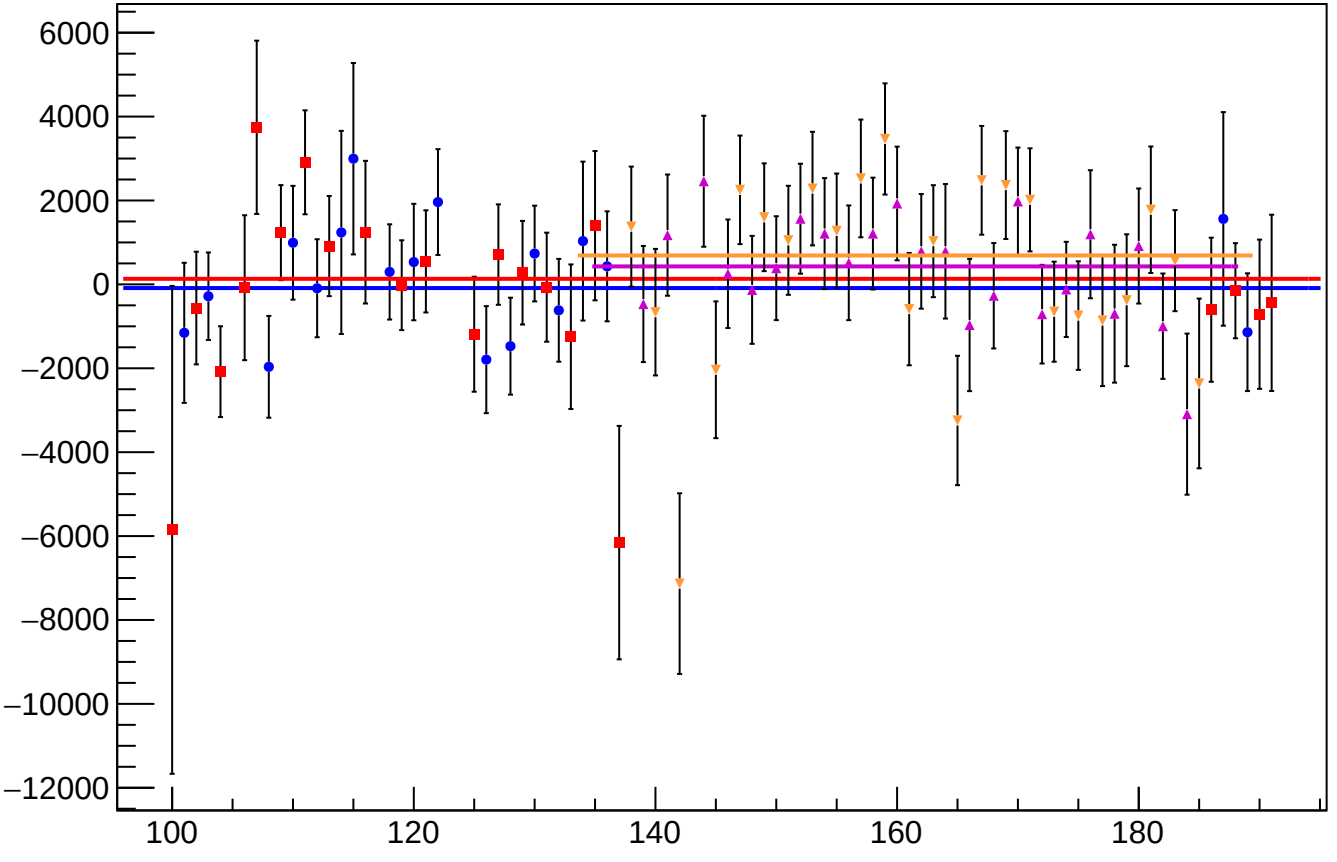
Left In: 4140.051+/-0.700 χ^2/NDF:1449924.0/22

+ sign 3388.106+/-0.490 χ^2/NDF: 4554558.7/41

All: 3296.301+/-0.335 χ^2/NDF: 10622611.2/8

- sign 3215.441+/-0.460 χ^2/NDF: 6001953.7/44

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: 132.721+/-302.179 χ^2/NDF: 23.5/21

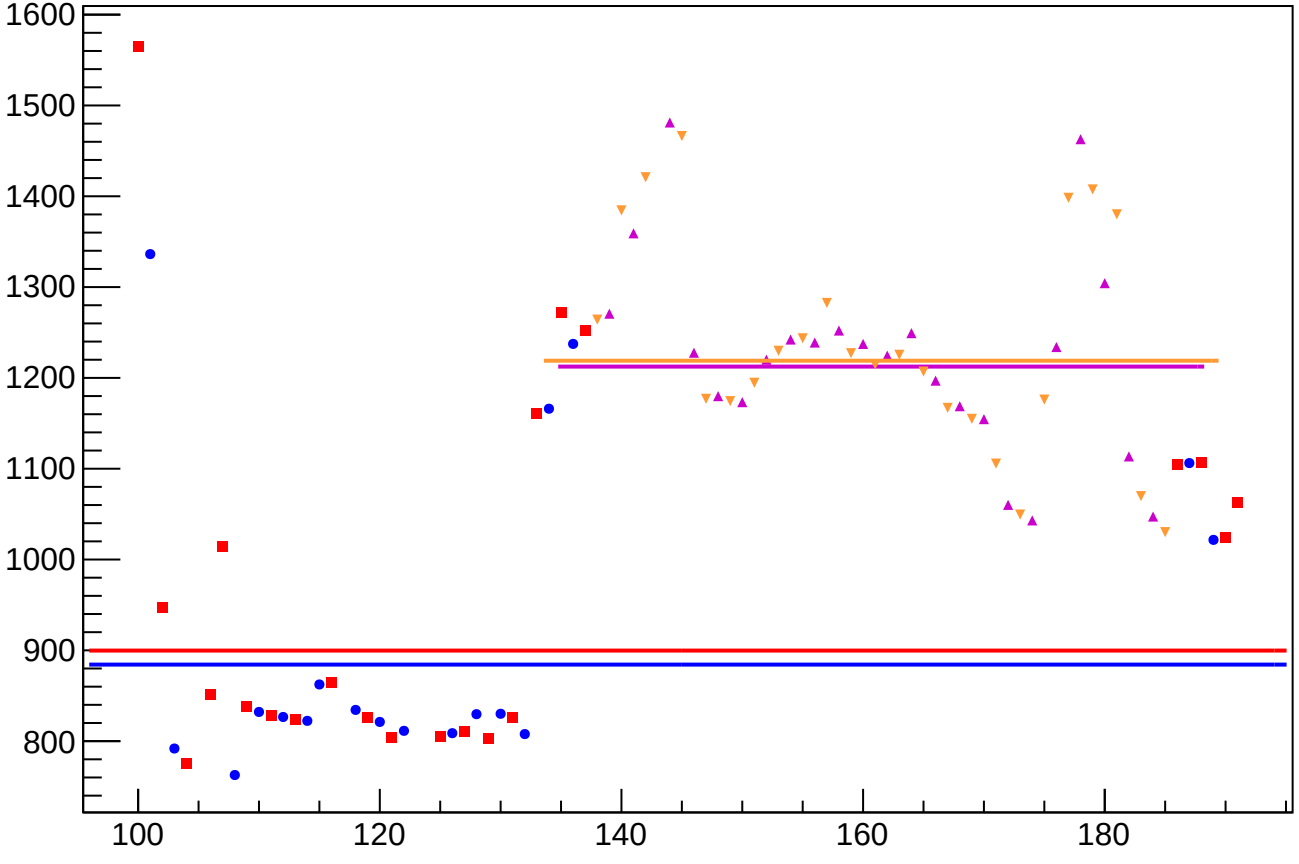
Left In: 428.050+/-284.383 χ^2/NDF:14.6/22

+ sign 344.860+/-212.217 χ^2/NDF: 63.0/41

All: 316.421+/-148.216 χ^2/NDF: 101.7/86

- sign 289.338+/-207.095 χ^2/NDF: 38.7/44

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

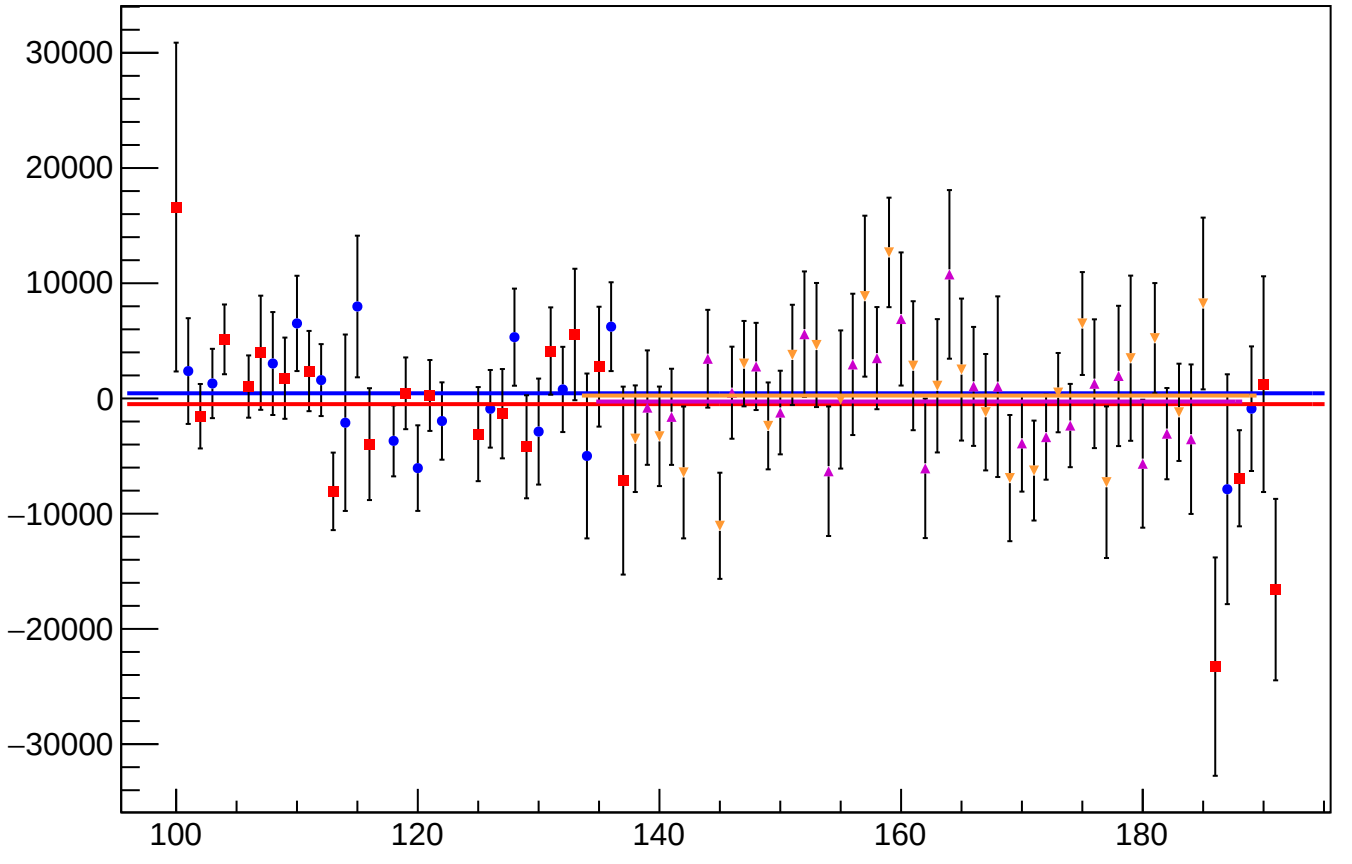
Right Out: 899.742+/-0.213 χ^2/NDF: 427722.0/21

Left In: 1212.448+/-0.201 χ^2/NDF:260330.4/22

+ sign 1070.638+/-0.150 χ^2/NDF: 1974803.7/41

All: 1067.976+/-0.105 χ^2/NDF: 3800286.8/86

- sign 1065.443+/-0.146 χ^2/NDF: 1824869.0/44



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: -492.114+/-861.622 χ^2/NDF: 30.1/21

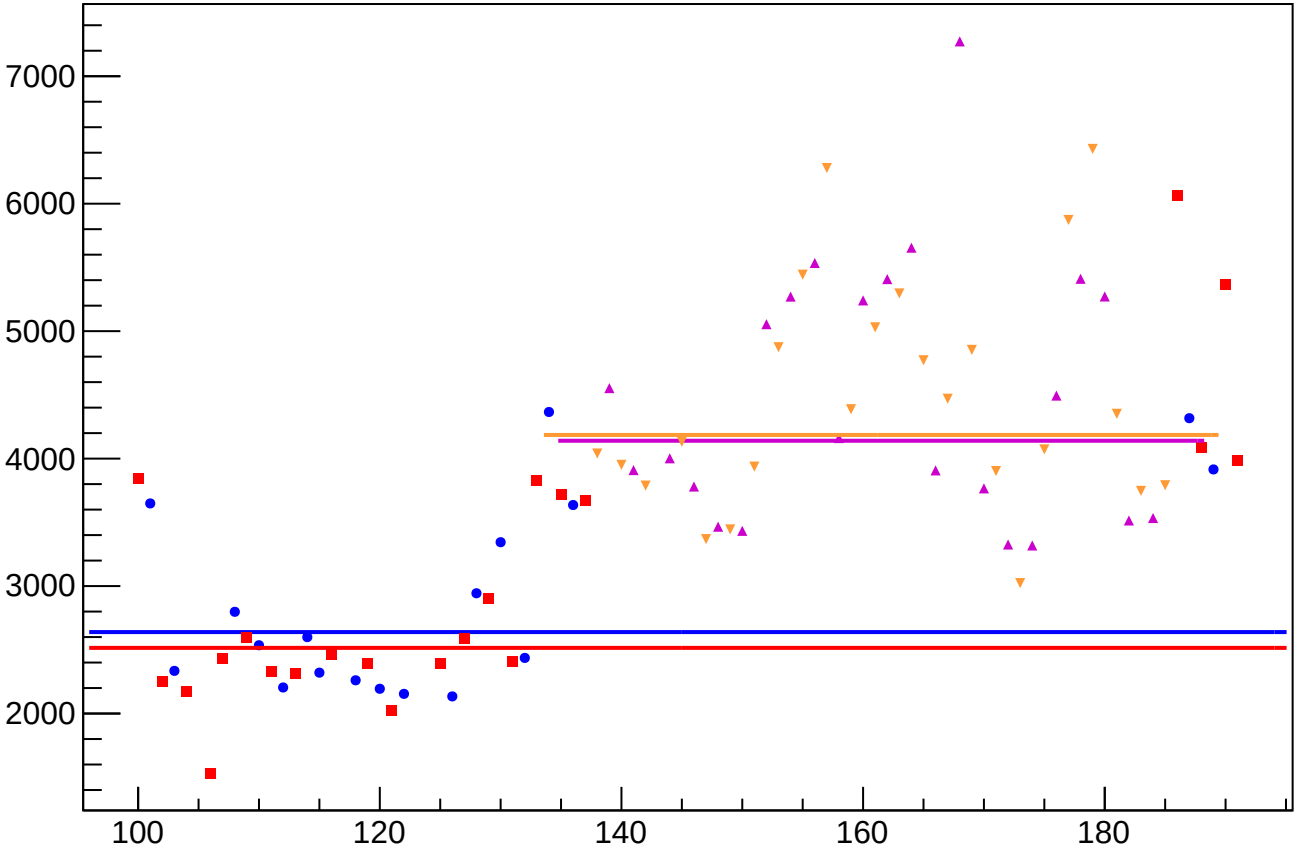
Left In: -266.236+/-990.085 χ^2/NDF:13.4/22

+ sign 354.360+/-692.551 χ^2/NDF: 45.2/41

All: -43.945+/-473.935 χ^2/NDF: 89.4/86

- sign -394.770+/-649.964 χ^2/NDF: 43.6/44

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

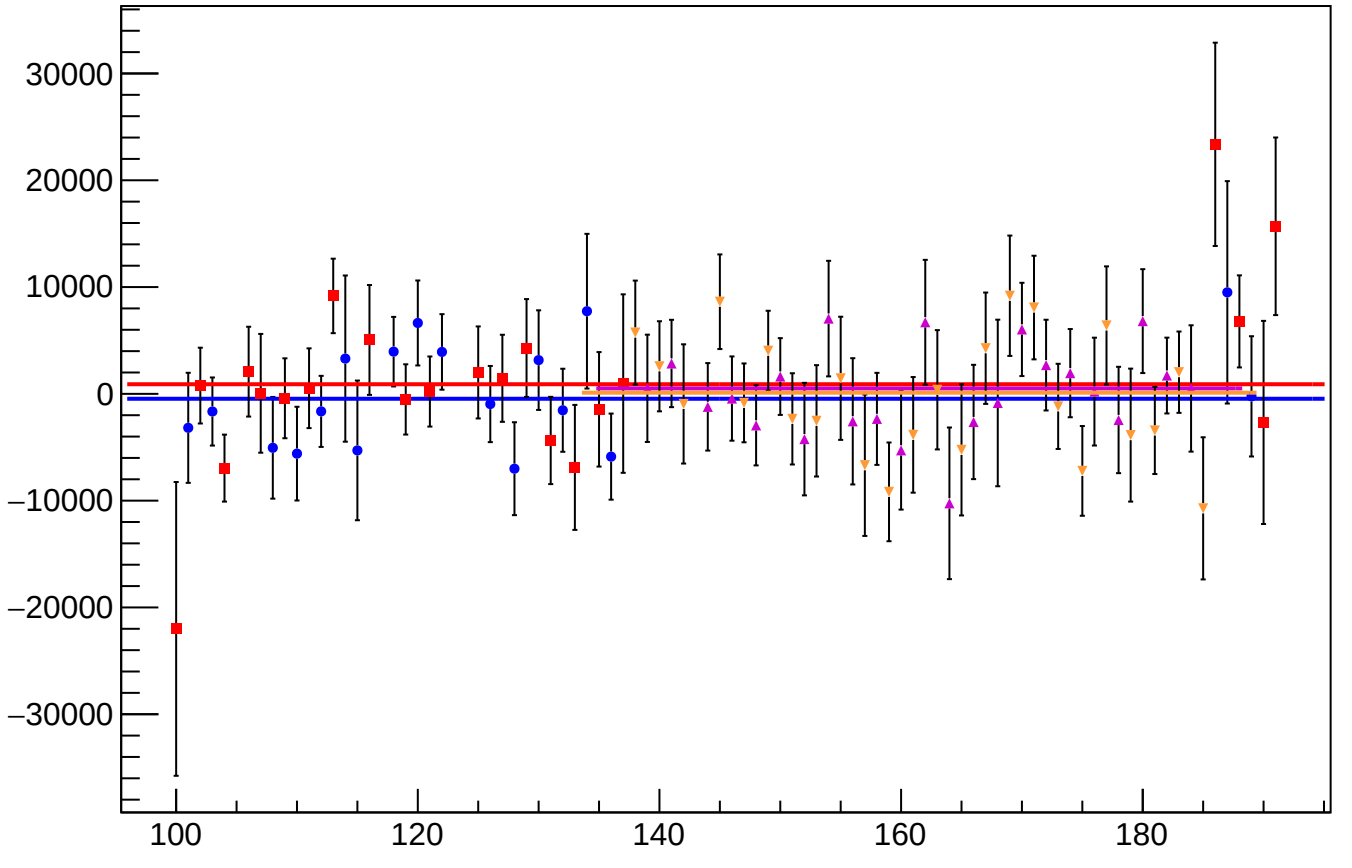
Right Out: 2515.186+/-0.609 χ^2/NDF: 1486822.7/21

Left In: 4140.059+/-0.700 χ^2/NDF:1449925.1/22

+ sign 3388.102+/-0.490 χ^2/NDF: 4554622.1/41

All: 3296.297+/-0.335 χ^2/NDF: 10622739.9/8

- sign 3215.436+/-0.460 χ^2/NDF: 6002018.9/44



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: 900.529+/-947.453 χ^2/NDF: 30.8/21

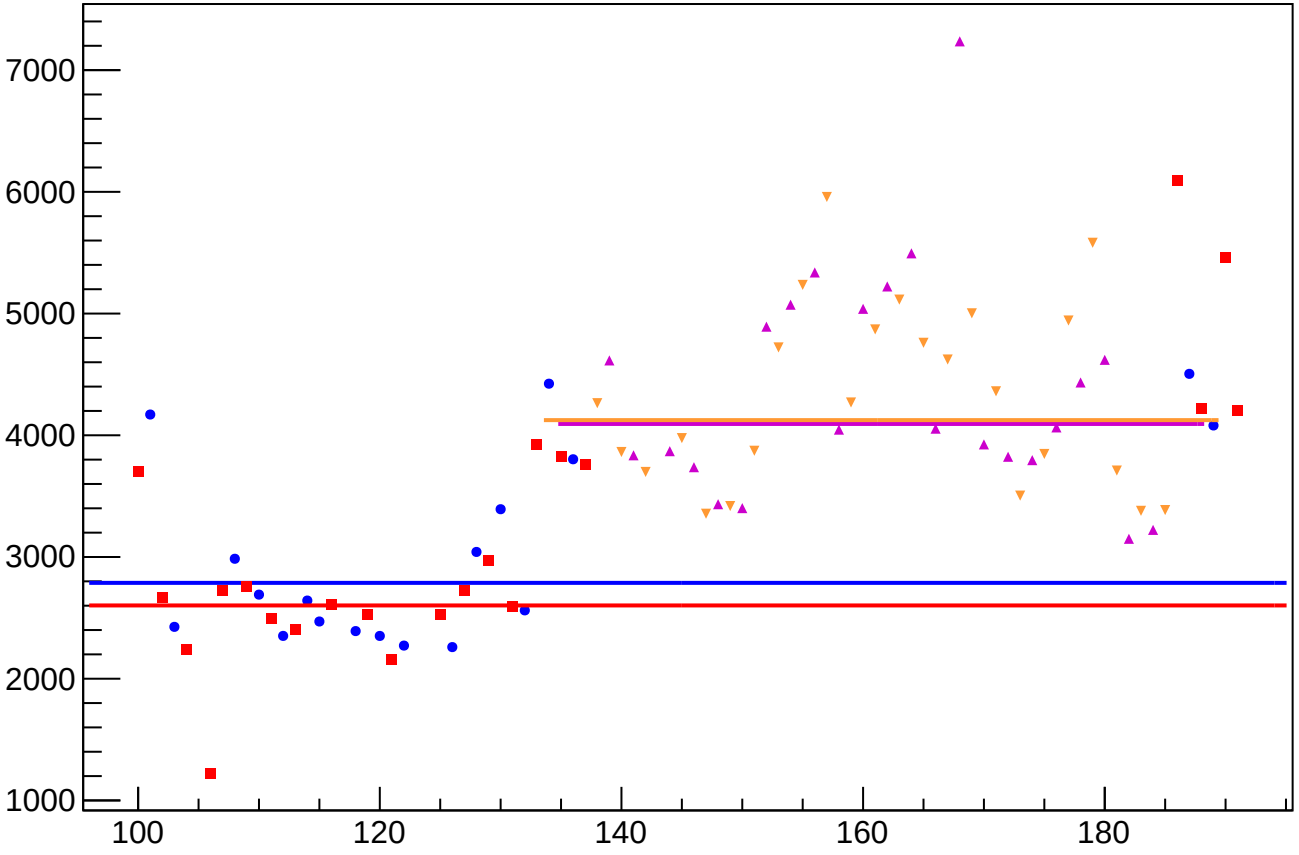
Left In: 509.024+/-974.173 χ^2/NDF:13.5/22

+ sign -162.886+/-704.398 χ^2/NDF: 45.4/41

All: 289.562+/-488.932 χ^2/NDF: 90.5/86

- sign 710.219+/-679.200 χ^2/NDF: 44.4/44

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

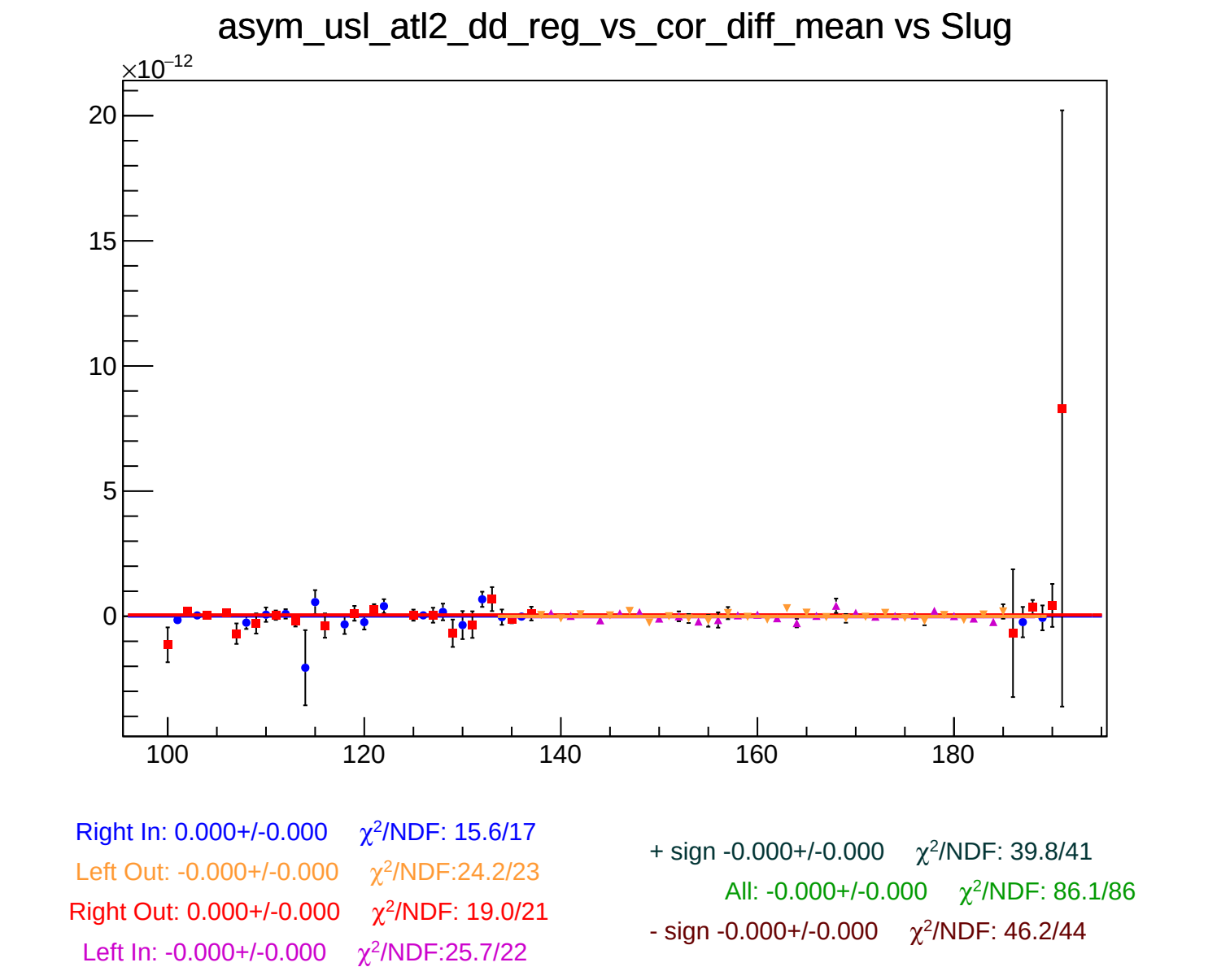
Right Out: 2601.999+/-0.642 χ^2/NDF: 1756116.7/21

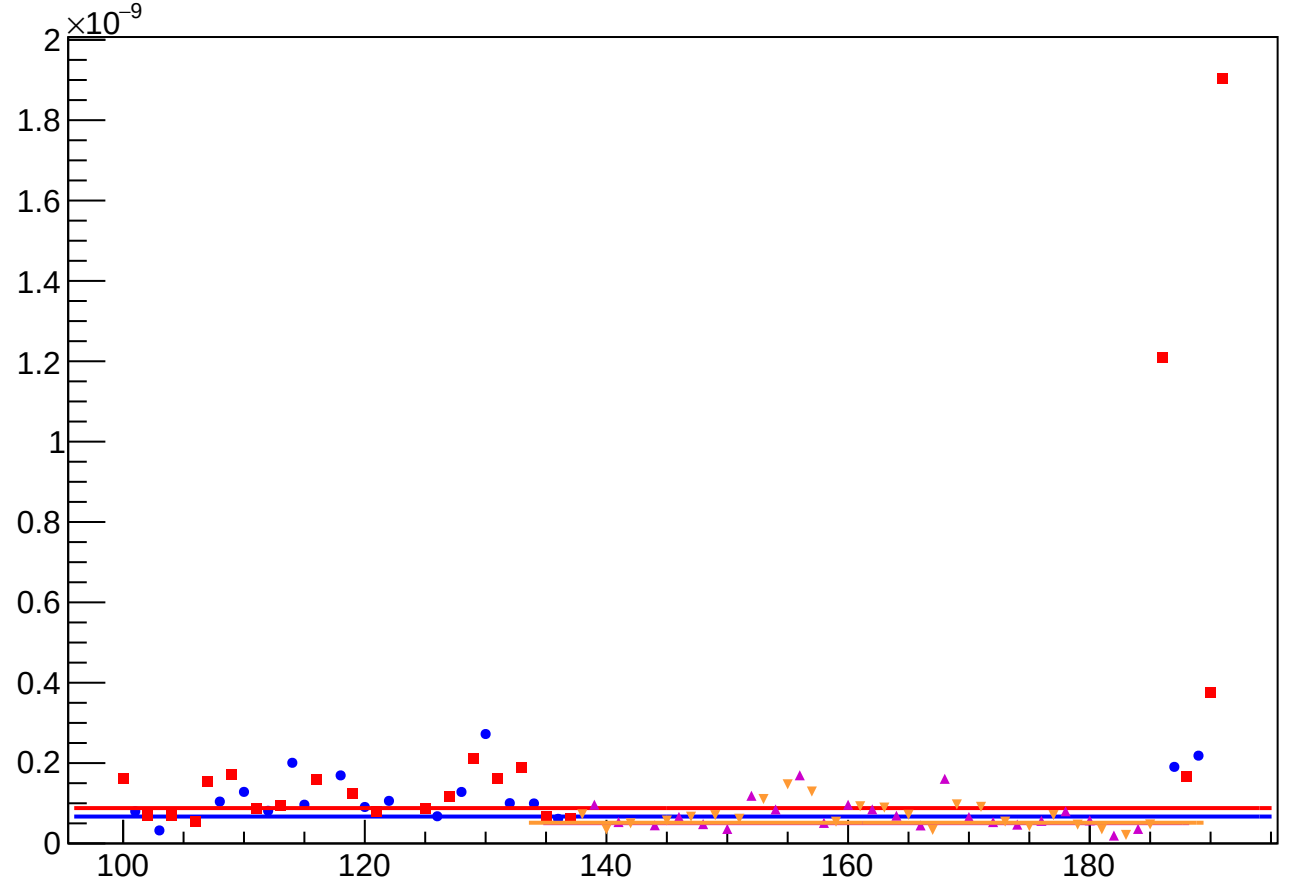
Left In: 4093.066+/-0.689 χ^2/NDF:1162851.8/22

+ sign 3484.485+/-0.498 χ^2/NDF: 3557825.6/41

All: 3383.996+/-0.342 χ^2/NDF: 9062400.0/86

- sign 3294.705+/-0.470 χ^2/NDF: 5427702.9/44


asym_usl_atl2_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
20
15
10
5
0
100
120
140
160
180
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: 19.0/21
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: 86.1/86
- sign -0.000+/-0.000 χ²/NDF: 46.2/44



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: 1510879.1/21

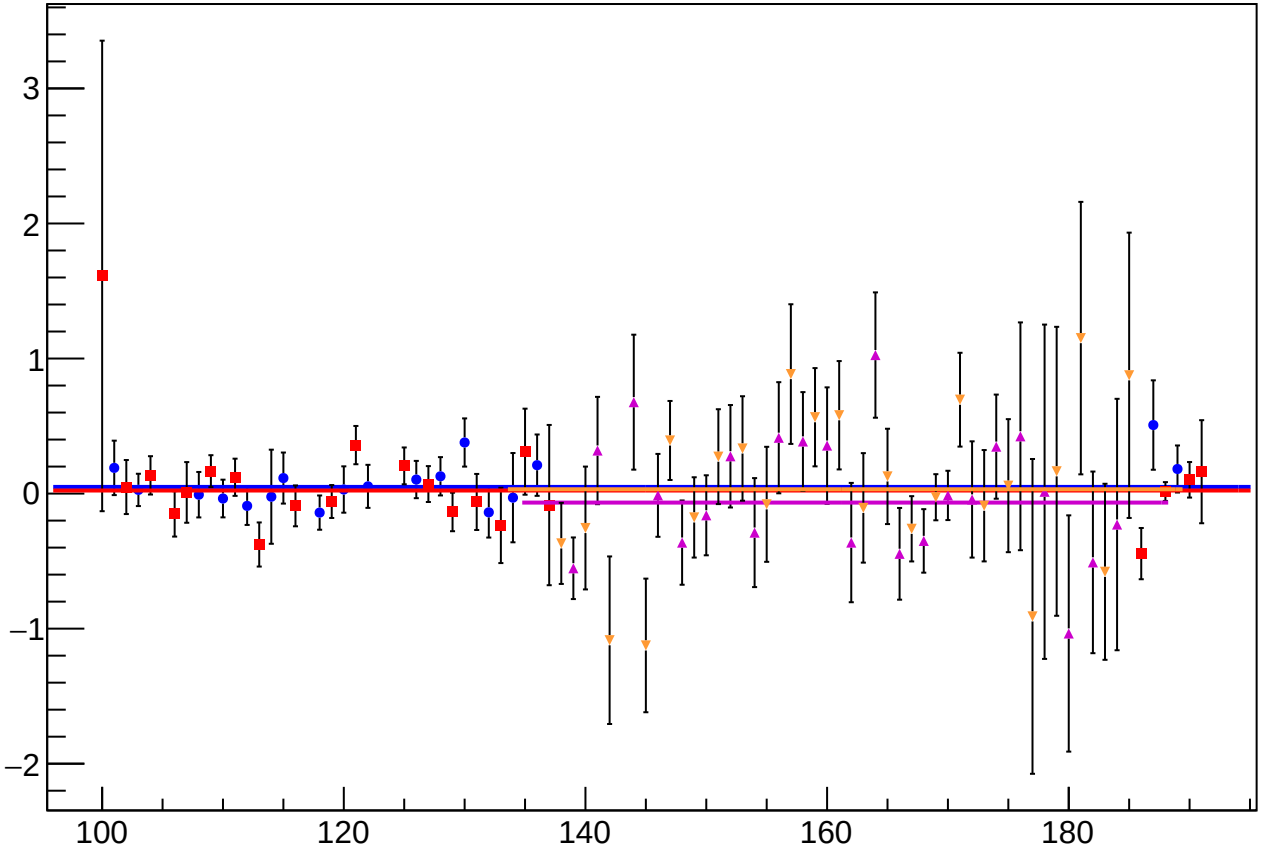
Left In: 0.000+/-0.000 χ^2/NDF:2433650.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 3960312.2/41

All: 0.000+/-0.000 χ^2/NDF: 8782143.3/86

- sign 0.000+/-0.000 χ^2/NDF: 4816767.8/44

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: 0.023+/-0.032 χ^2/NDF: 28.7/21

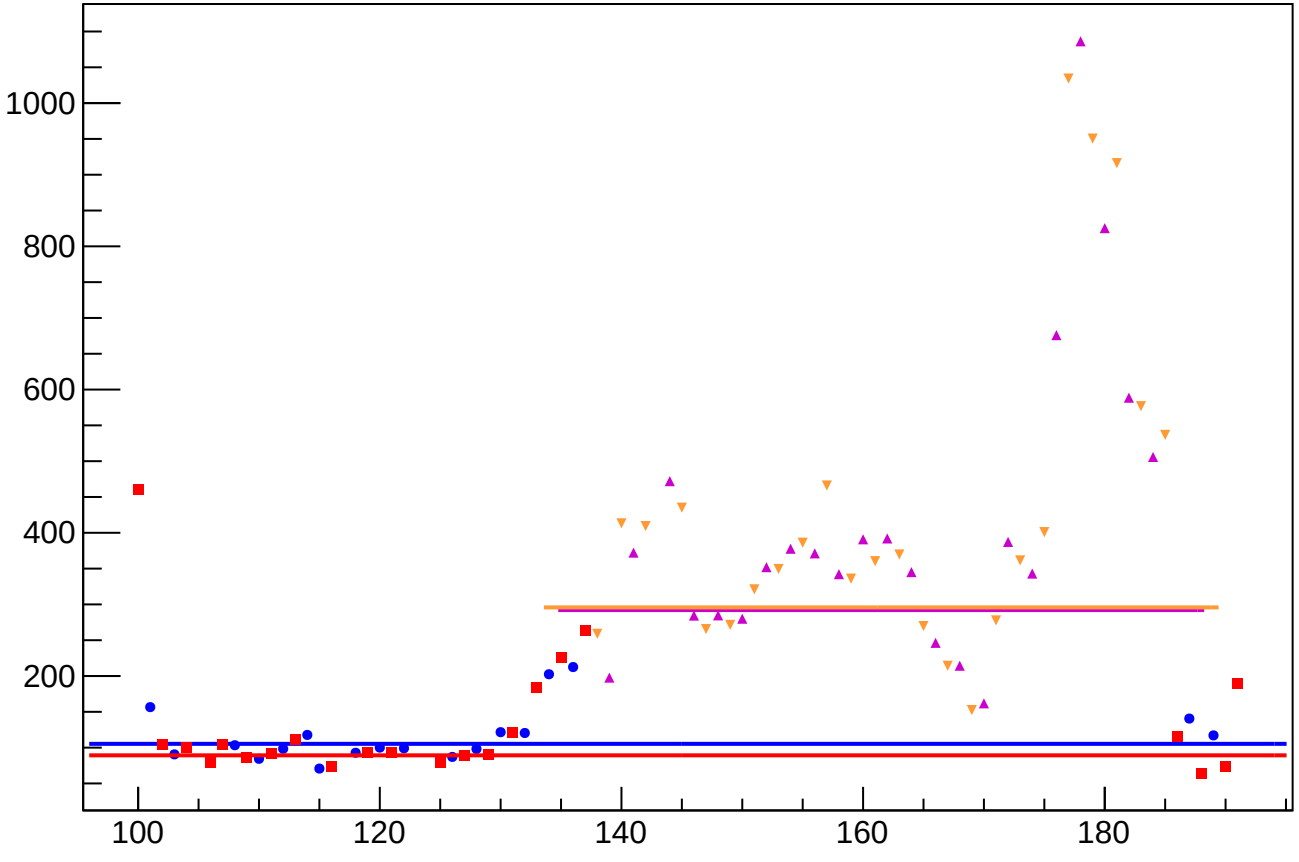
Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.046+/-0.035 χ^2/NDF: 42.1/41

All: 0.024+/-0.023 χ^2/NDF: 98.4/86

- sign 0.009+/-0.030 χ^2/NDF: 55.6/44

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: 89.254+/-0.023 χ^2/NDF: 1505213.4/21

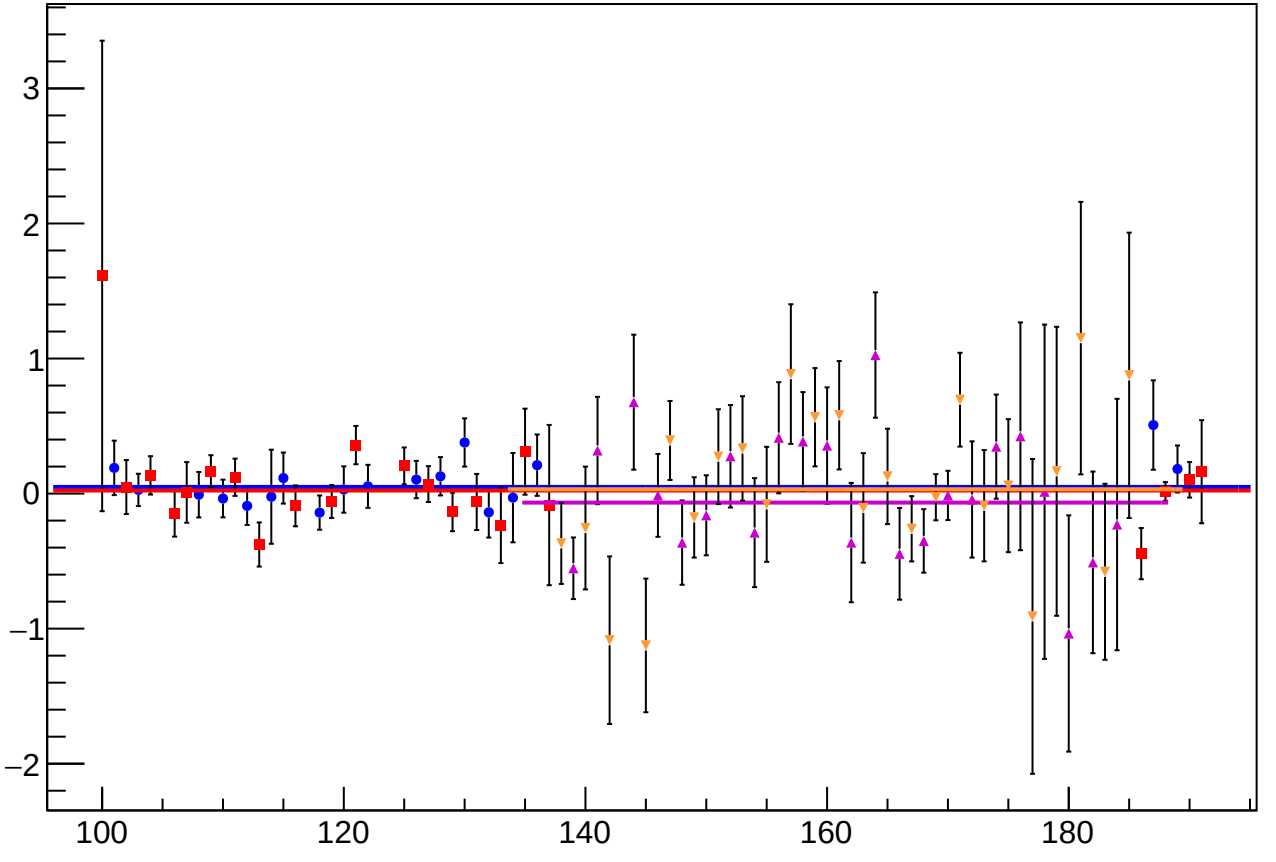
Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

+ sign 146.050+/-0.025 χ^2/NDF: 16401088.9/41

All: 131.498+/-0.016 χ^2/NDF: 35969521.9/86

- sign 121.158+/-0.021 χ^2/NDF: 18982193.2/44

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

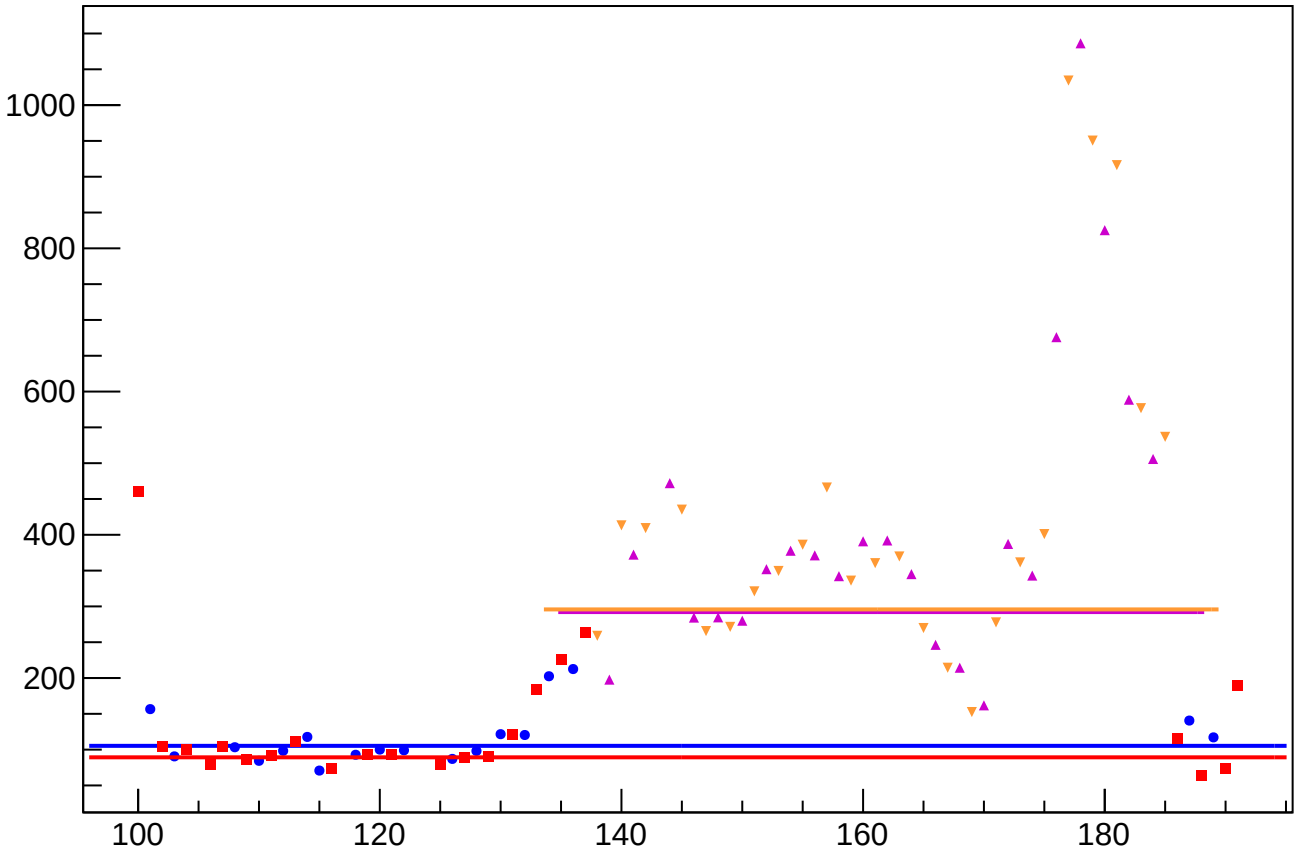
Right Out: 0.023+/-0.032 χ^2/NDF: 28.7/21

Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.046+/-0.035 χ^2/NDF: 42.1/41

All: 0.024+/-0.023 χ^2/NDF: 98.4/86

- sign 0.009+/-0.030 χ^2/NDF: 55.6/44



Right In: 105.298+/-0.028 χ^2/NDF: 1023518.4/17

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

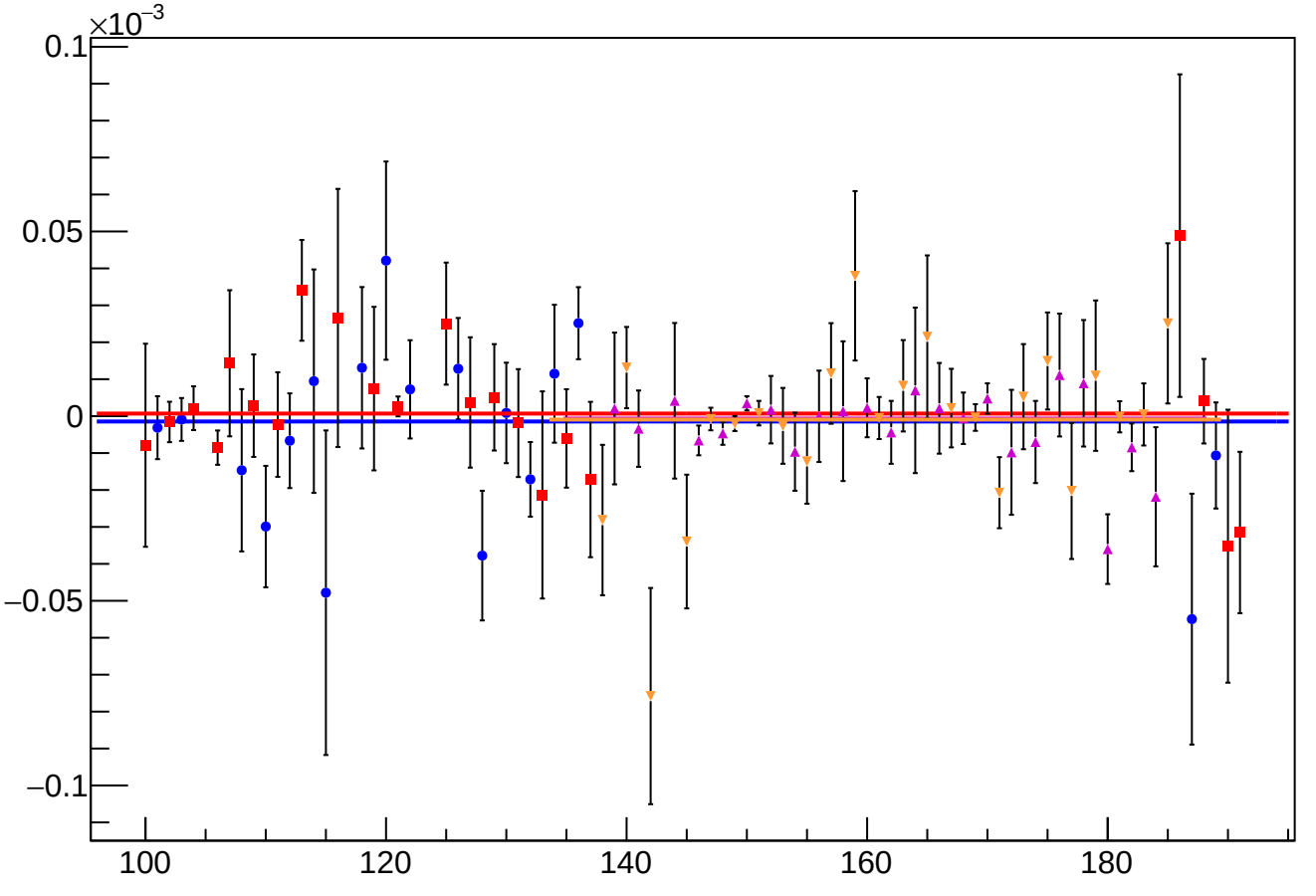
Right Out: 89.254+/-0.023 χ^2/NDF: 1505213.4/21

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

+ sign 146.050+/-0.025 χ^2/NDF: 16401088.9/41

All: 131.498+/-0.016 χ^2/NDF: 35969521.9/86

- sign 121.158+/-0.021 χ^2/NDF: 18982193.2/44



Right In: -0.000+/-0.000 χ^2/NDF: 26.9/17

Left Out: -0.000+/-0.000 χ^2/NDF:29.1/23

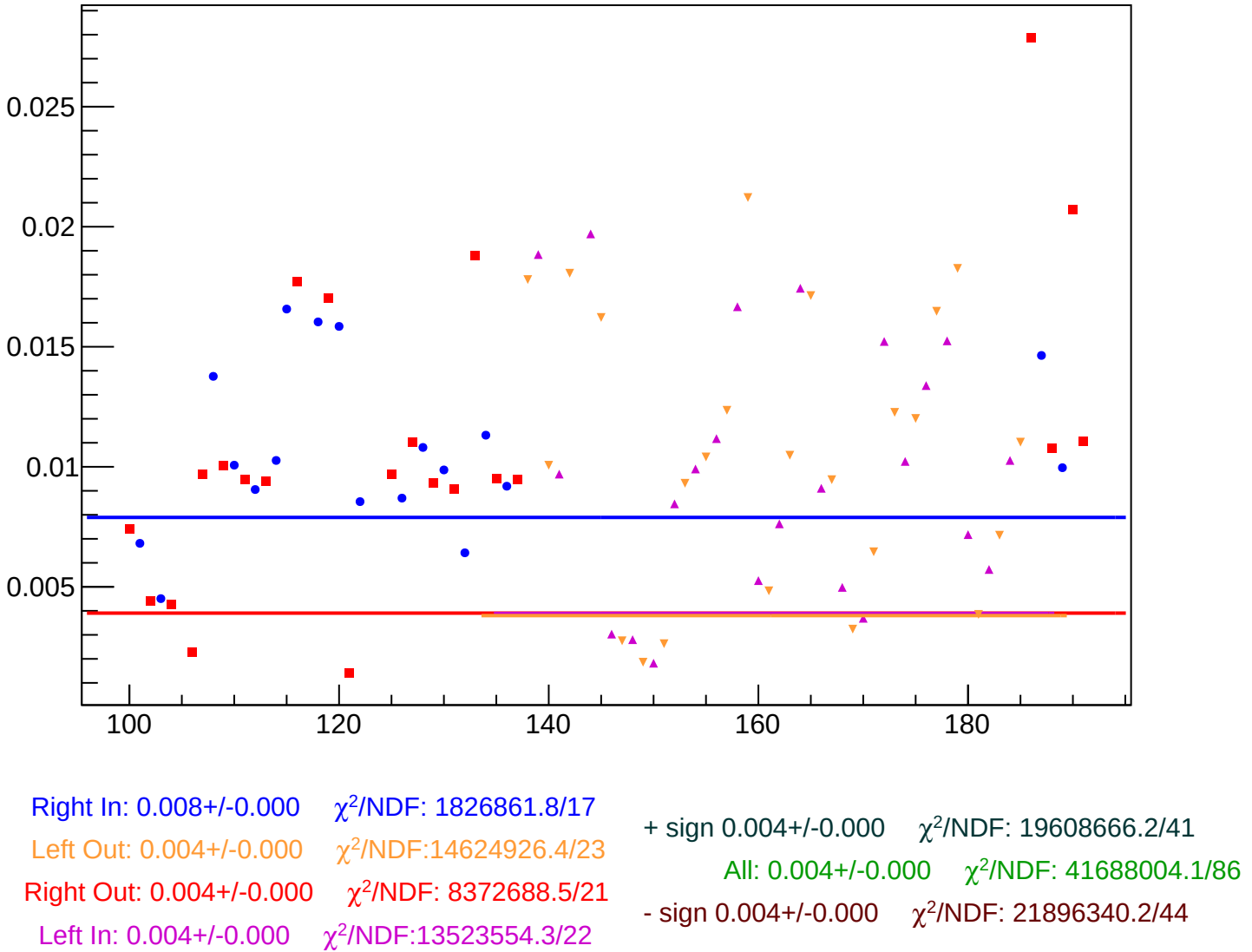
Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/21

Left In: -0.000+/-0.000 χ^2/NDF:29.8/22

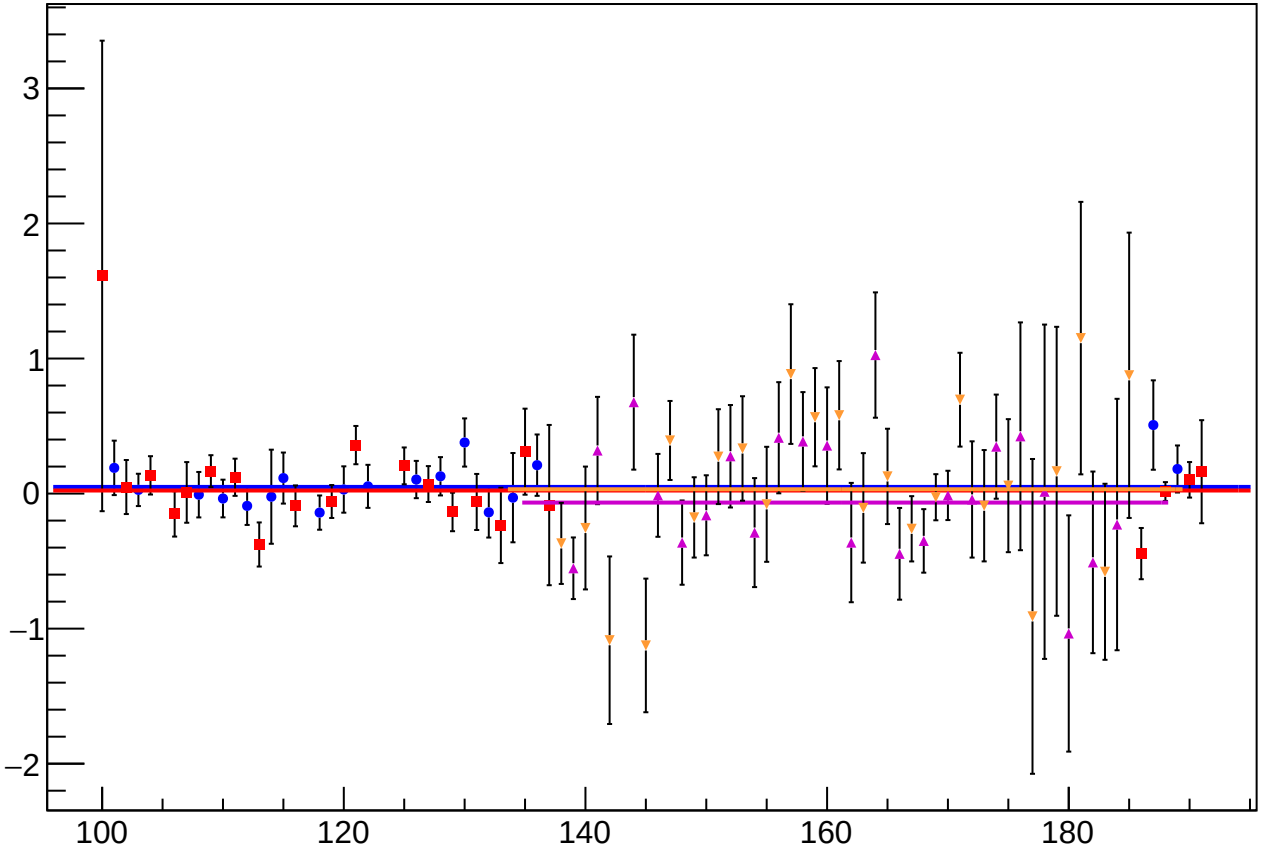
+ sign -0.000+/-0.000 χ^2/NDF: 56.0/41

All: -0.000+/-0.000 χ^2/NDF: 106.8/86

- sign -0.000+/-0.000 χ^2/NDF: 50.5/44


asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
Right In: 0.008+/-0.000 χ²/NDF: 1826861.8/17
Left Out: 0.004+/-0.000 χ²/NDF:14624926.4/23
Right Out: 0.004+/-0.000 χ²/NDF: 8372688.5/21
Left In: 0.004+/-0.000 χ²/NDF:13523554.3/22
+ sign 0.004+/-0.000 χ²/NDF: 19608666.2/41
All: 0.004+/-0.000 χ²/NDF: 41688004.1/86
- sign 0.004+/-0.000 χ²/NDF: 21896340.2/44

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: 0.023+/-0.032 χ^2/NDF: 28.7/21

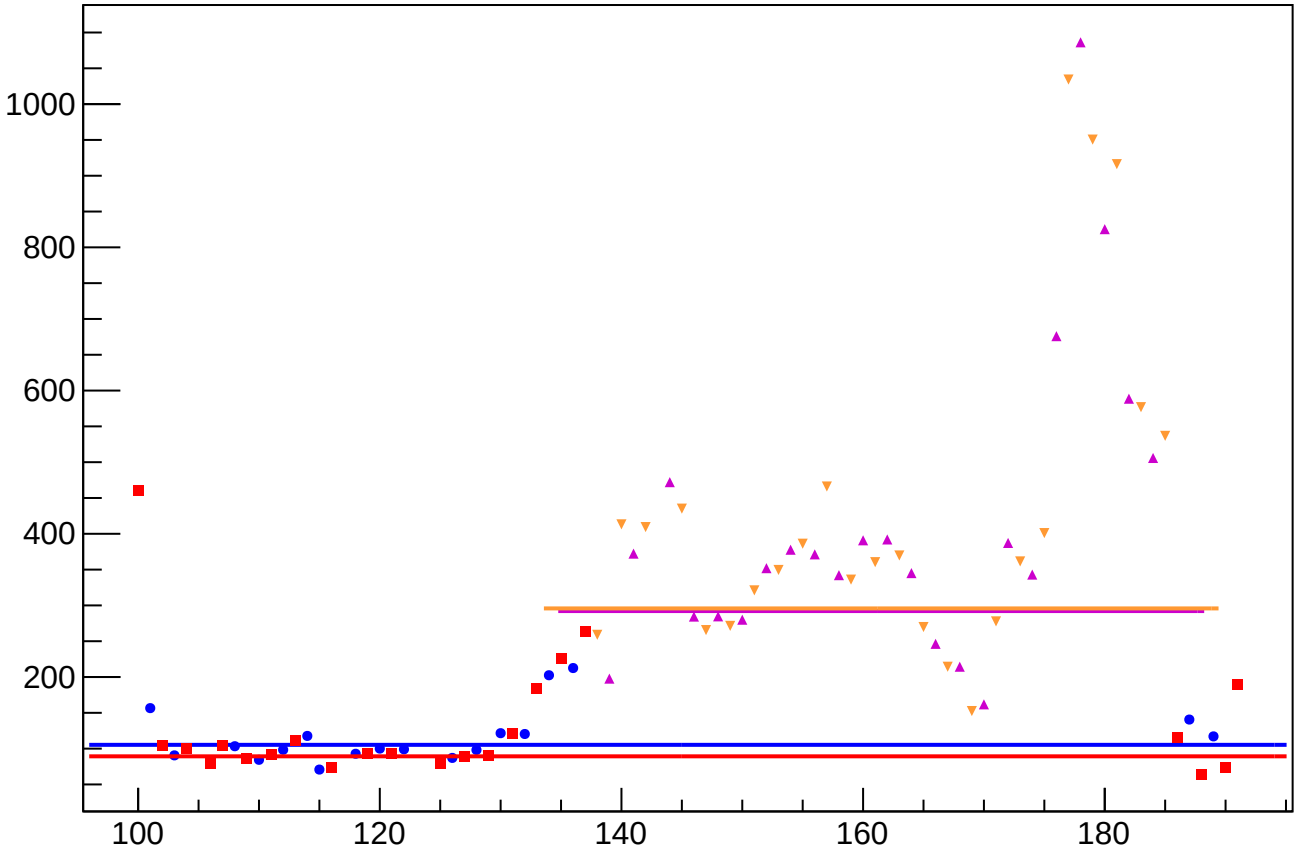
Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.046+/-0.035 χ^2/NDF: 42.1/41

All: 0.024+/-0.023 χ^2/NDF: 98.4/86

- sign 0.009+/-0.030 χ^2/NDF: 55.6/44

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 105.298+/-0.028 χ^2/NDF: 1023462.7/17

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

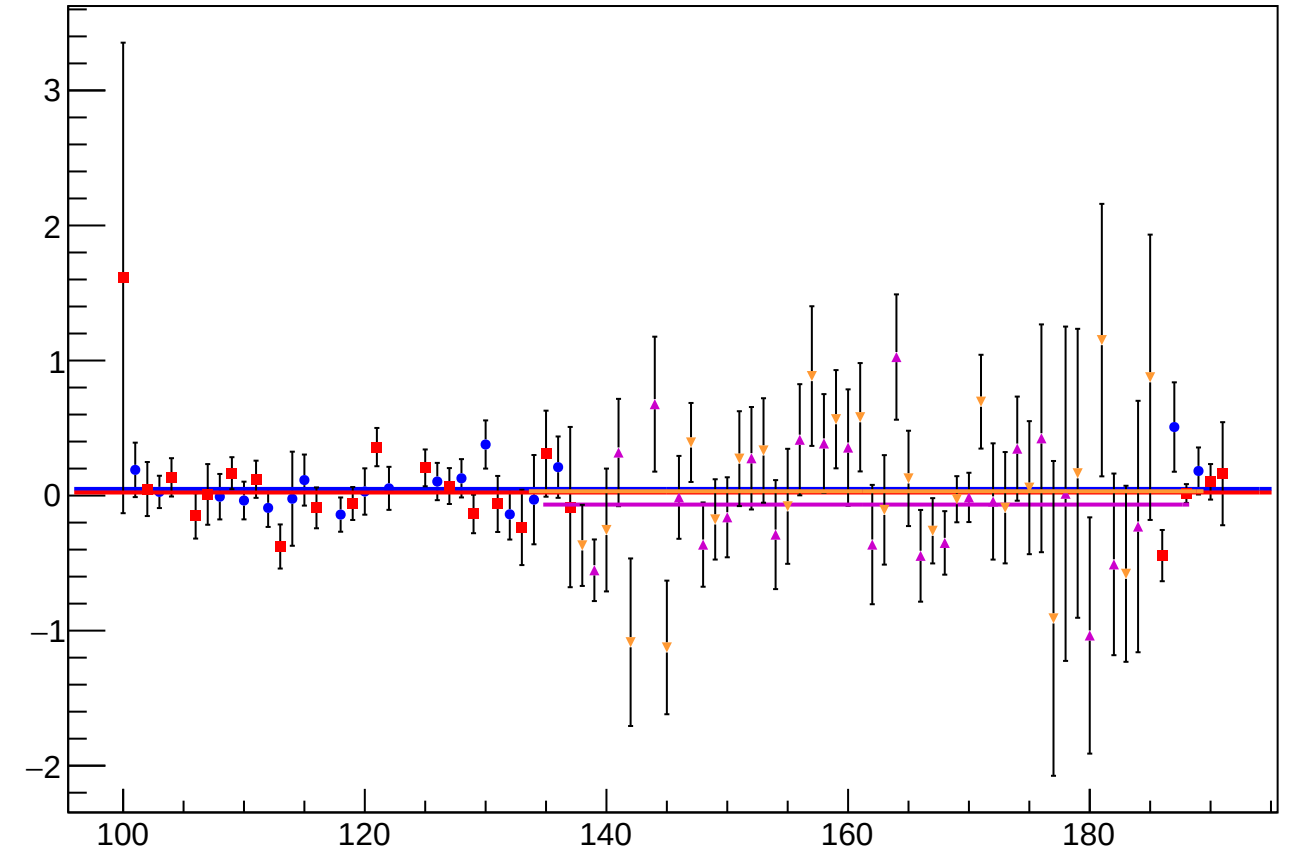
Right Out: 89.253+/-0.023 χ^2/NDF: 1505251.9/21

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

+ sign 146.051+/-0.025 χ^2/NDF: 16401106.1/41

All: 131.497+/-0.016 χ^2/NDF: 35970068.9/86

- sign 121.156+/-0.021 χ^2/NDF: 18982600.0/44



Right In: 0.049+/-0.040 χ^2/NDF: 12.4/17

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

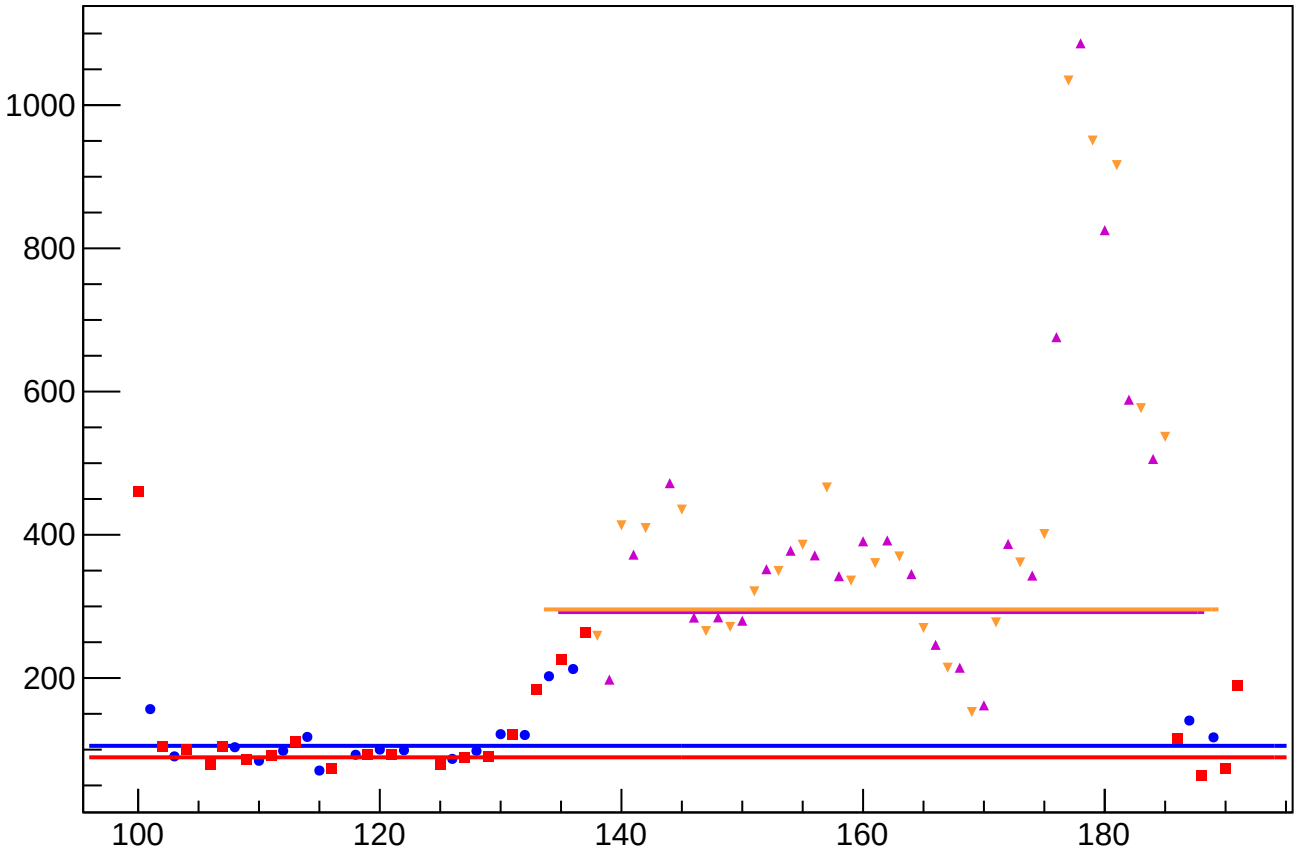
Right Out: 0.023+/-0.032 χ^2/NDF: 28.7/21

Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.046+/-0.035 χ^2/NDF: 42.1/41

All: 0.024+/-0.023 χ^2/NDF: 98.4/86

- sign 0.009+/-0.030 χ^2/NDF: 55.6/44



Right In: 105.298+/-0.028 χ^2/NDF: 1023462.7/17

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

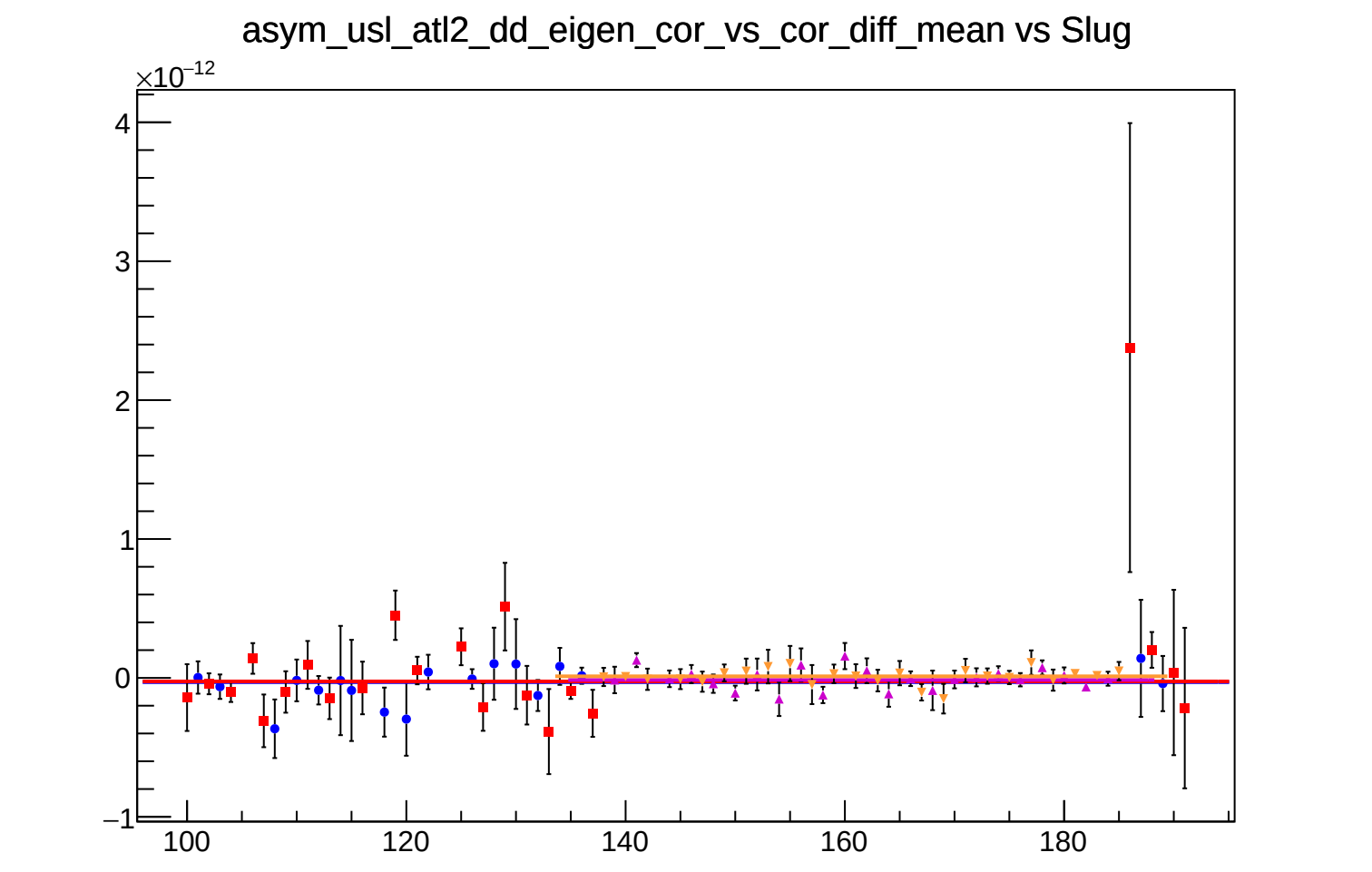
Right Out: 89.253+/-0.023 χ^2/NDF: 1505251.9/21

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

+ sign 146.051+/-0.025 χ^2/NDF: 16401106.1/41

All: 131.497+/-0.016 χ^2/NDF: 35970068.9/86

- sign 121.156+/-0.021 χ^2/NDF: 18982600.0/44



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: 32.7/21

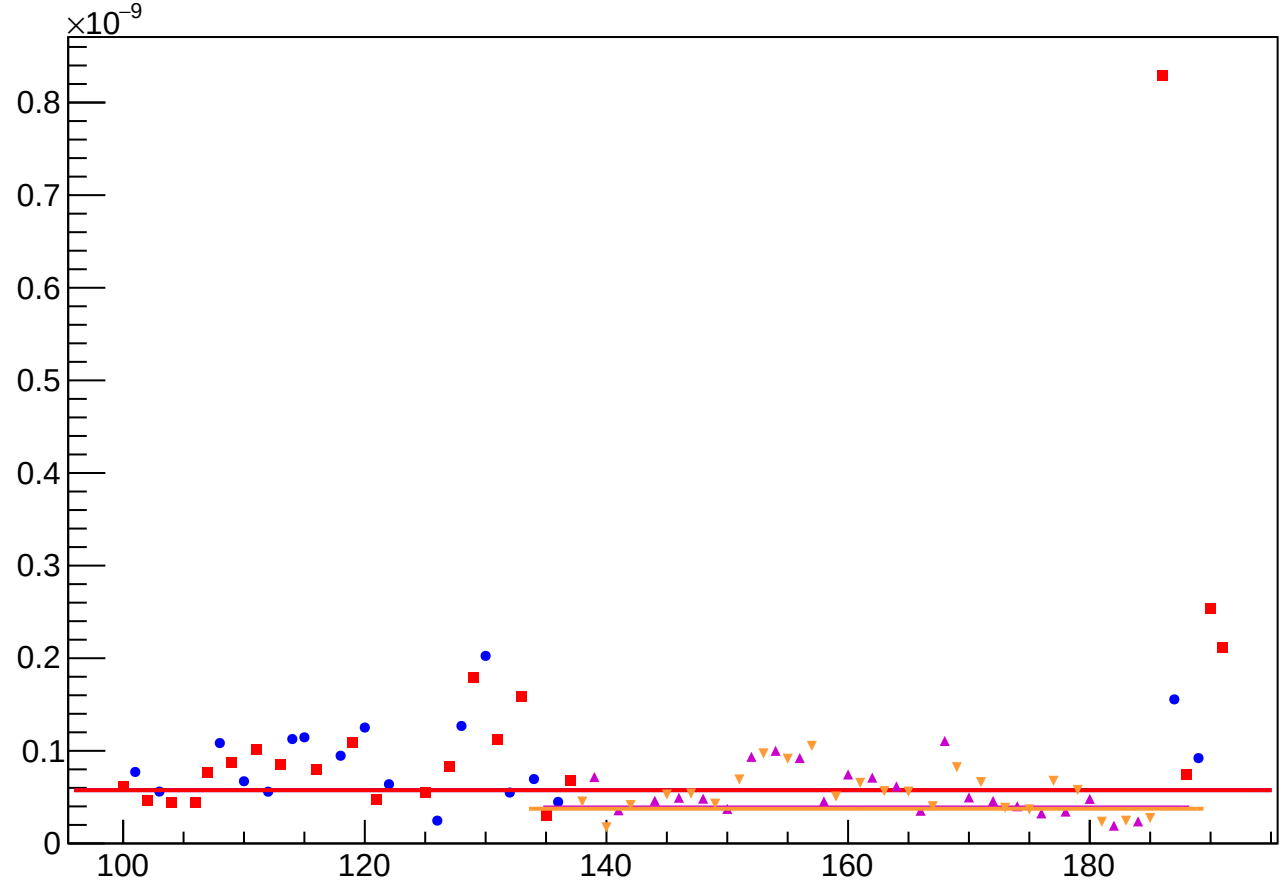
Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 21.2/41

All: -0.000+/-0.000 χ^2/NDF: 86.8/86

- sign -0.000+/-0.000 χ^2/NDF: 63.7/44

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1754922.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:4983727.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2623678.9/21

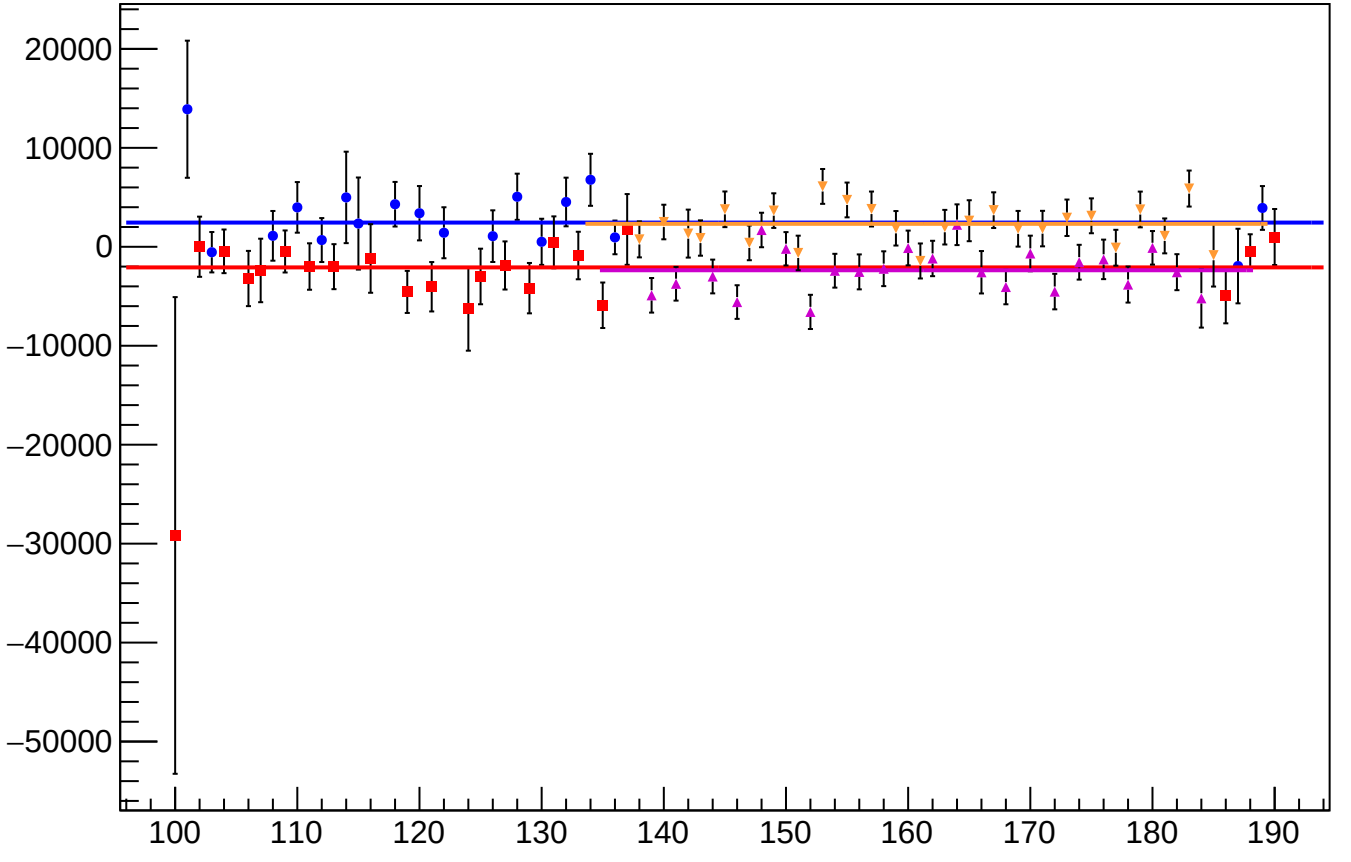
Left In: 0.000+/-0.000 χ^2/NDF:4577795.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 7549882.7/41

All: 0.000+/-0.000 χ^2/NDF: 15517942.4/86

- sign 0.000+/-0.000 χ^2/NDF: 7952146.9/44

reg_asym_usr_atr1_avg_mean vs Slug



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: -2082.345+/-552.148 χ^2/NDF: 15.0/21

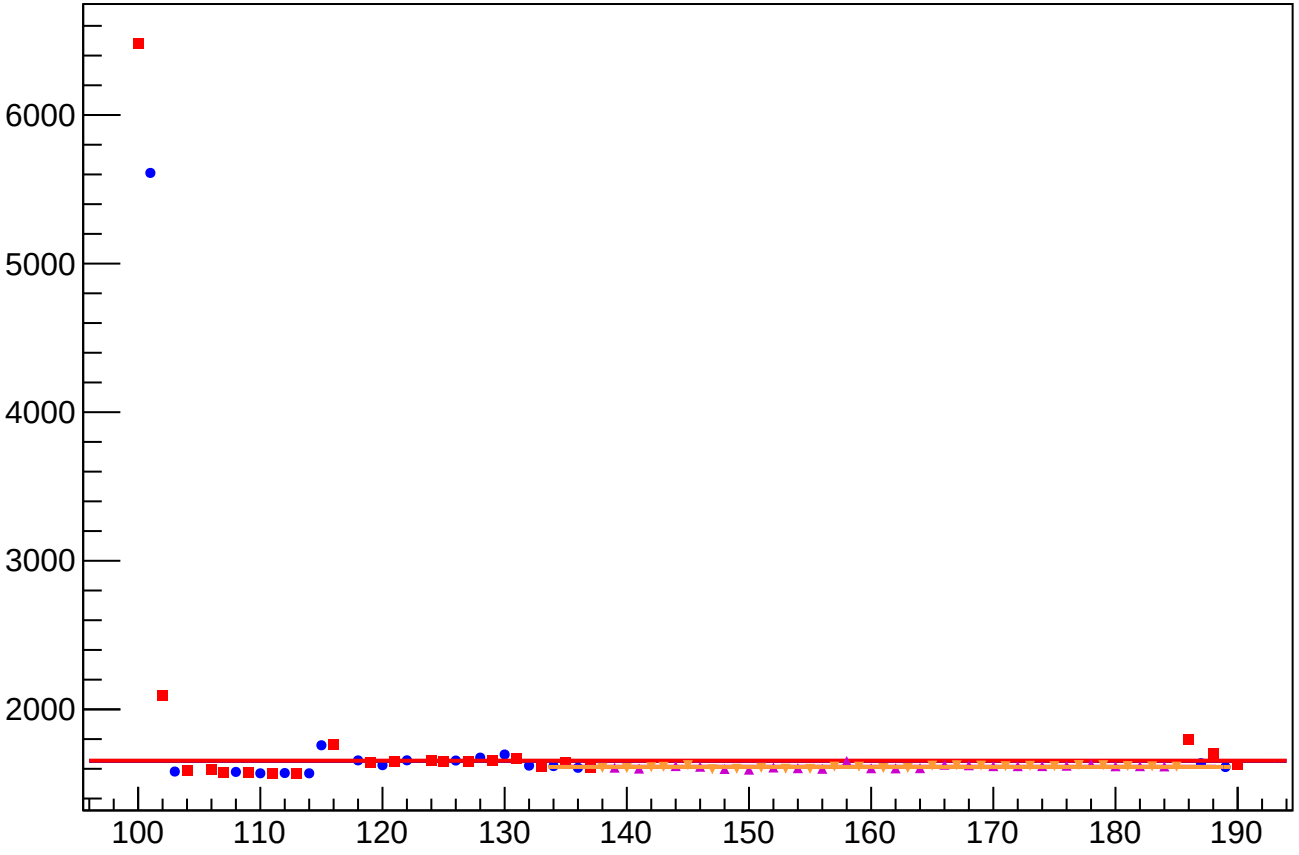
Left In: -2370.629+/-376.798 χ^2/NDF:33.7/22

+ sign 2355.386+/-312.421 χ^2/NDF: 43.2/42

All: 29.353+/-220.494 χ^2/NDF: 202.6/87

- sign -2279.032+/-311.233 χ^2/NDF: 49.0/44

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: 1654.527+/-0.390 χ^2/NDF: 144213.8/21

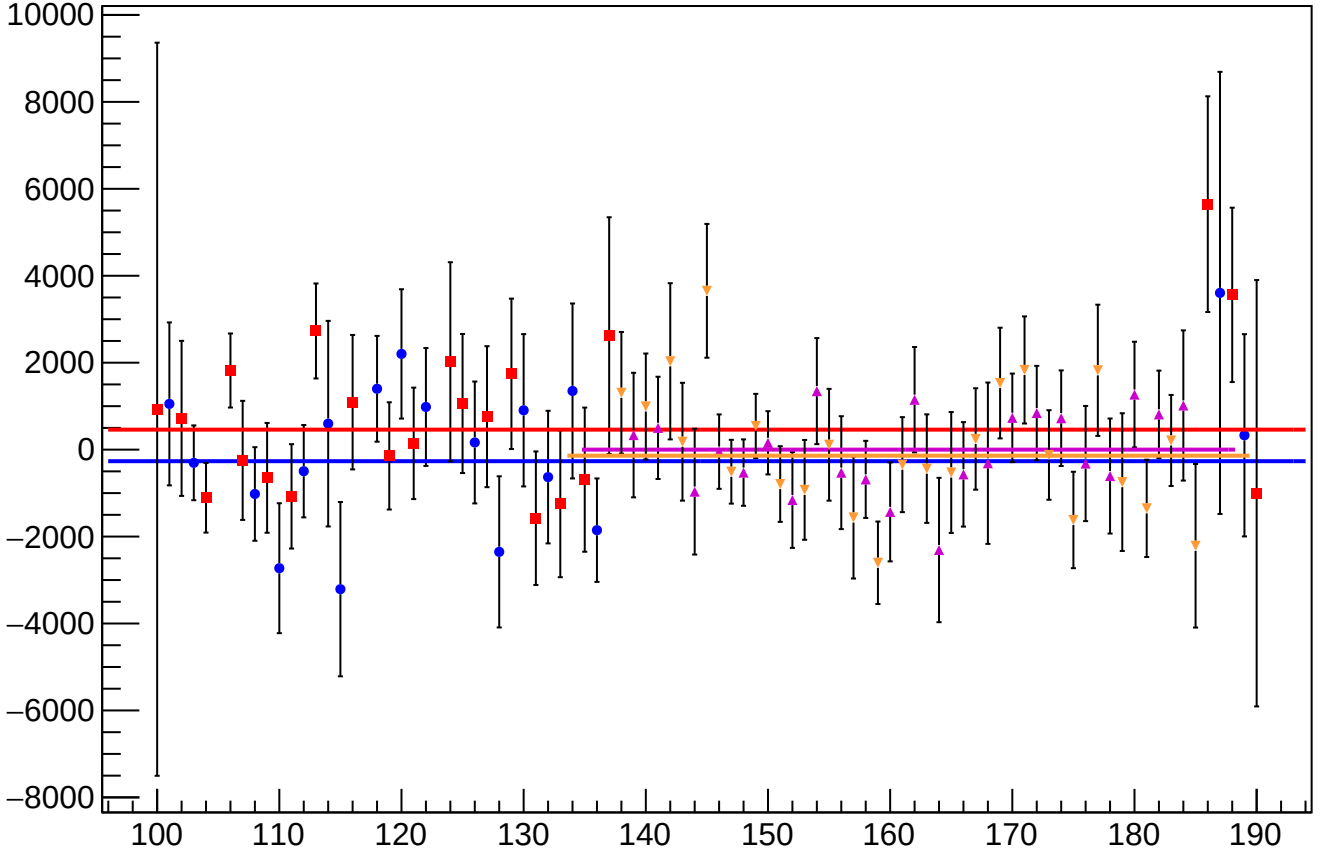
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1623.599+/-0.221 χ^2/NDF: 674795.4/42

All: 1625.174+/-0.156 χ^2/NDF: 828891.8/87

- sign 1626.736+/-0.220 χ^2/NDF: 153995.2/44

asym_usr_atr1_avg_reg_correction_mean vs Slug



Right In: -265.817+/-338.998 χ^2/NDF: 16.6/17

Left Out: -139.022+/-229.126 χ^2/NDF:30.2/24

Right Out: 459.745+/-306.261 χ^2/NDF: 25.8/21

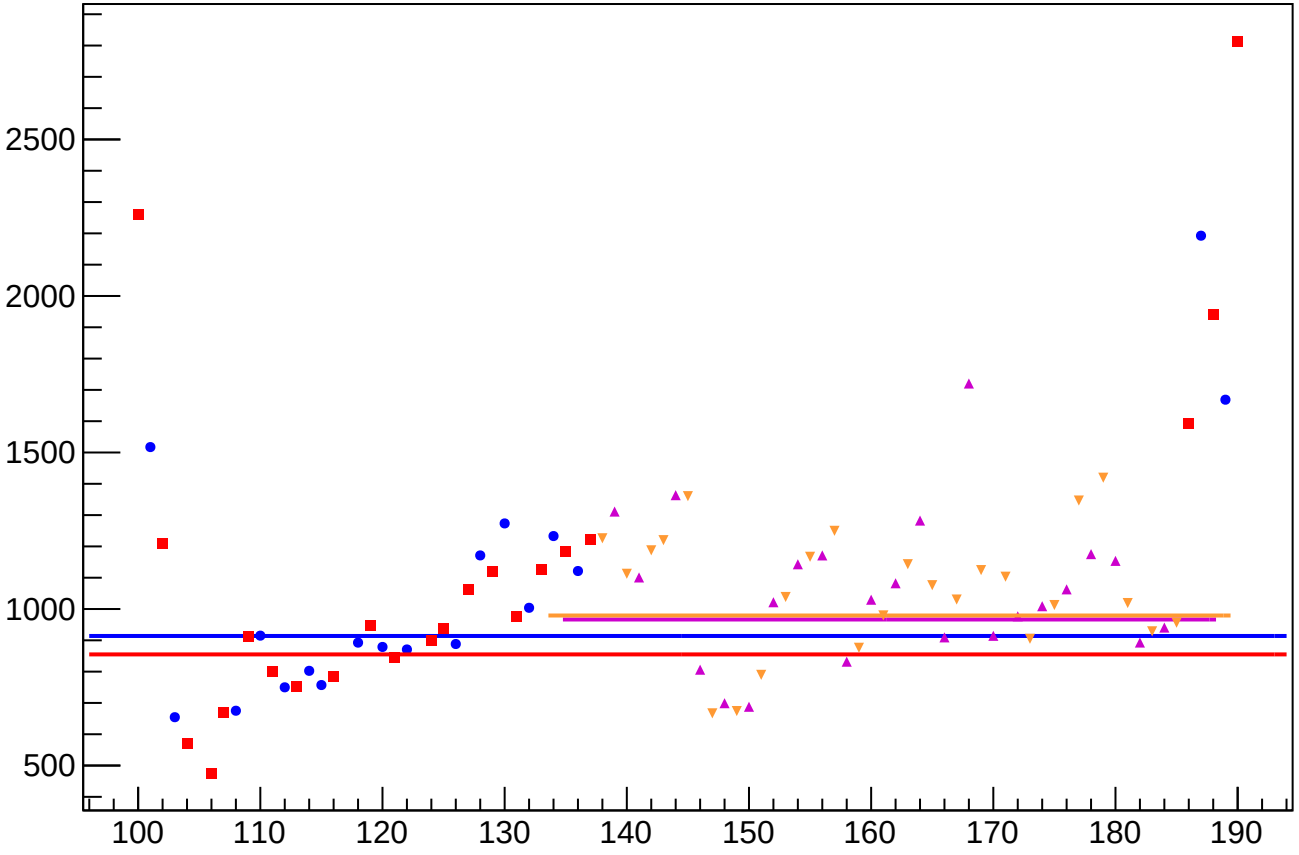
Left In: 0.092+/-231.903 χ^2/NDF:12.9/22

+ sign -178.782+/-189.832 χ^2/NDF: 46.9/42

All: -1.015+/-132.446 χ^2/NDF: 88.7/87

- sign 167.598+/-184.881 χ^2/NDF: 40.1/44

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: 855.014+/-0.217 χ^2/NDF: 2211109.1/21

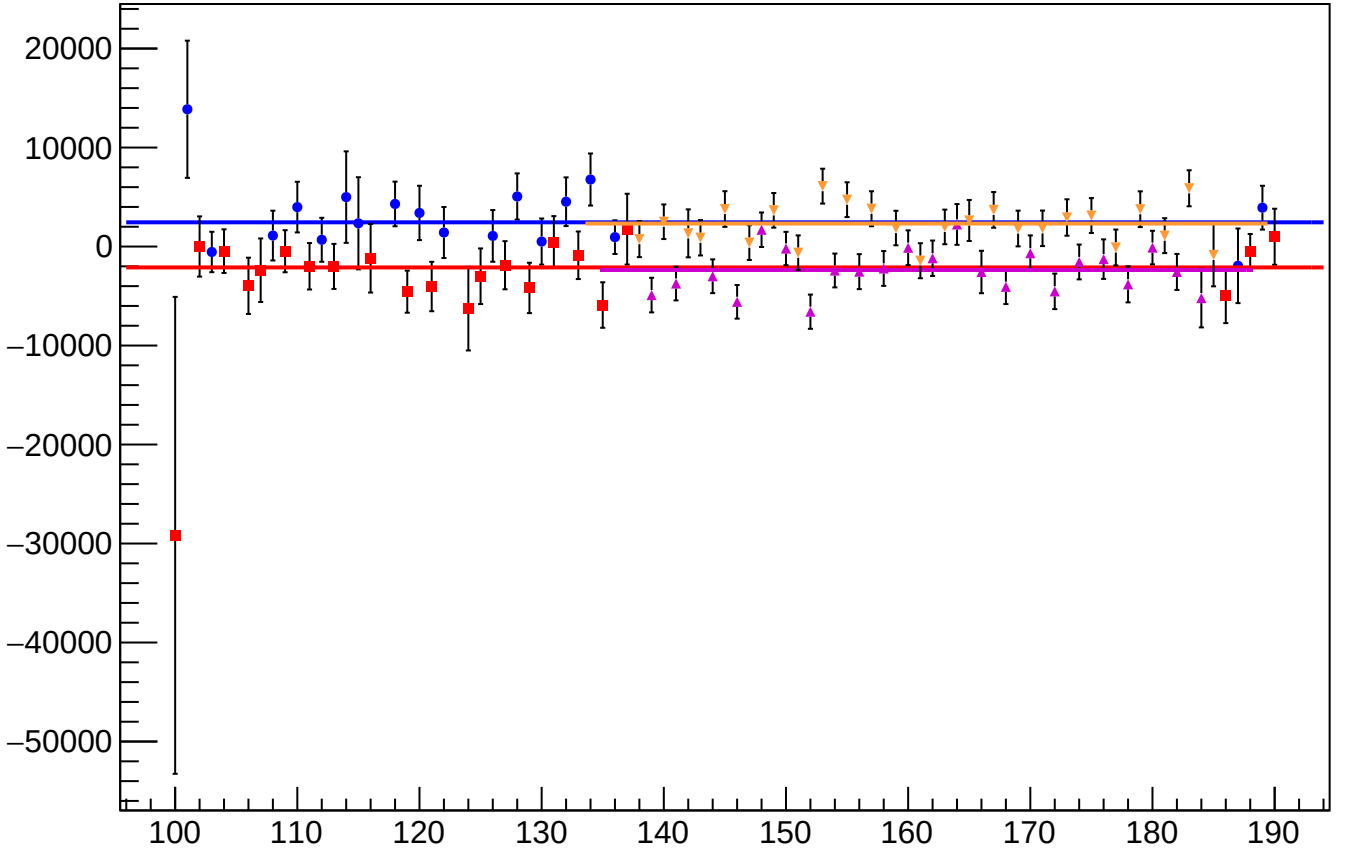
Left In: 966.526+/-0.164 χ^2/NDF:1602596.2/22

+ sign 958.792+/-0.134 χ^2/NDF: 2820946.2/42

All: 941.906+/-0.094 χ^2/NDF: 6834011.7/87

- sign 925.889+/-0.131 χ^2/NDF: 3982229.1/44

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: -2109.935+/-552.520 χ^2/NDF: 15.3/21

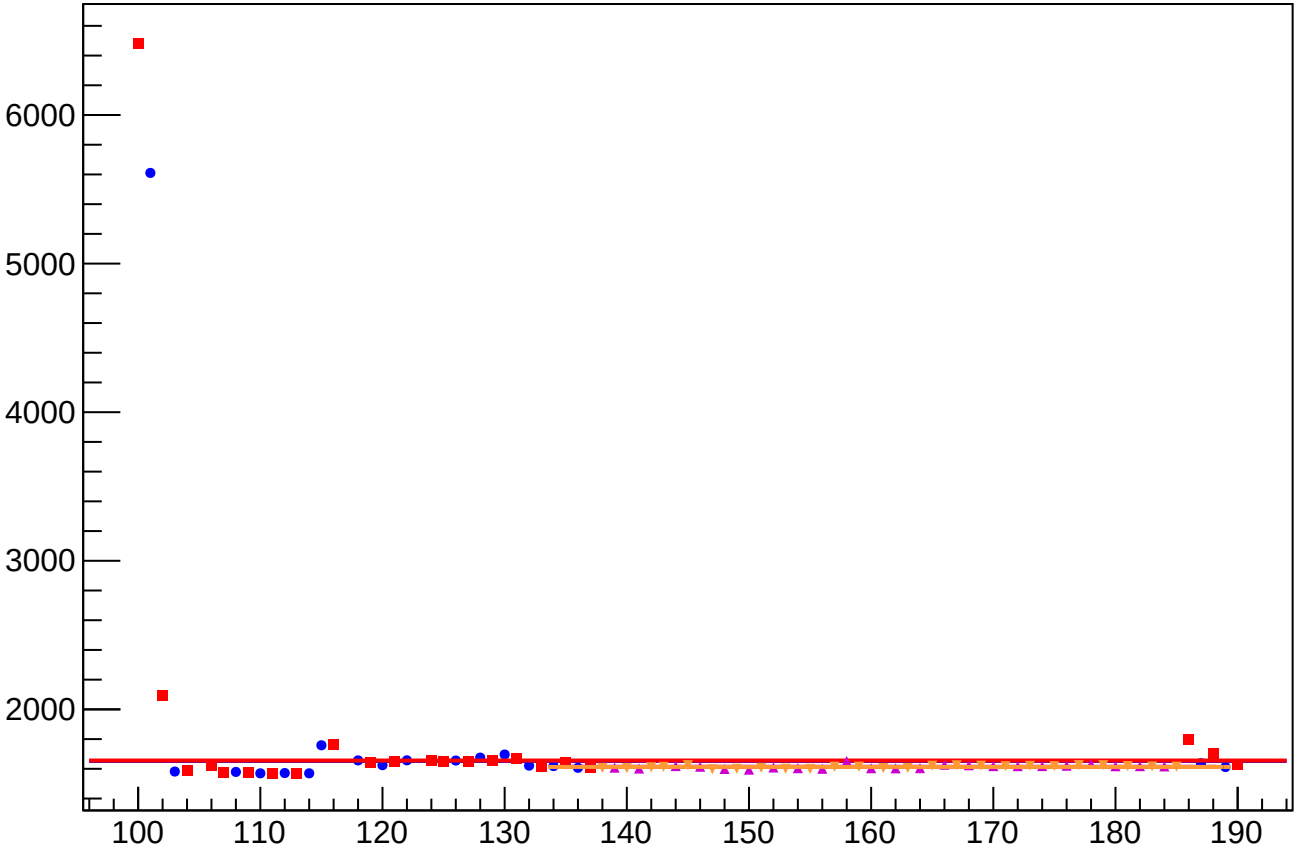
Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2355.219+/-312.421 χ^2/NDF: 43.2/42

All: 25.304+/-220.517 χ^2/NDF: 203.2/87

- sign -2287.923+/-311.300 χ^2/NDF: 49.2/44

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: 1655.612+/-0.391 χ^2/NDF: 143543.9/21

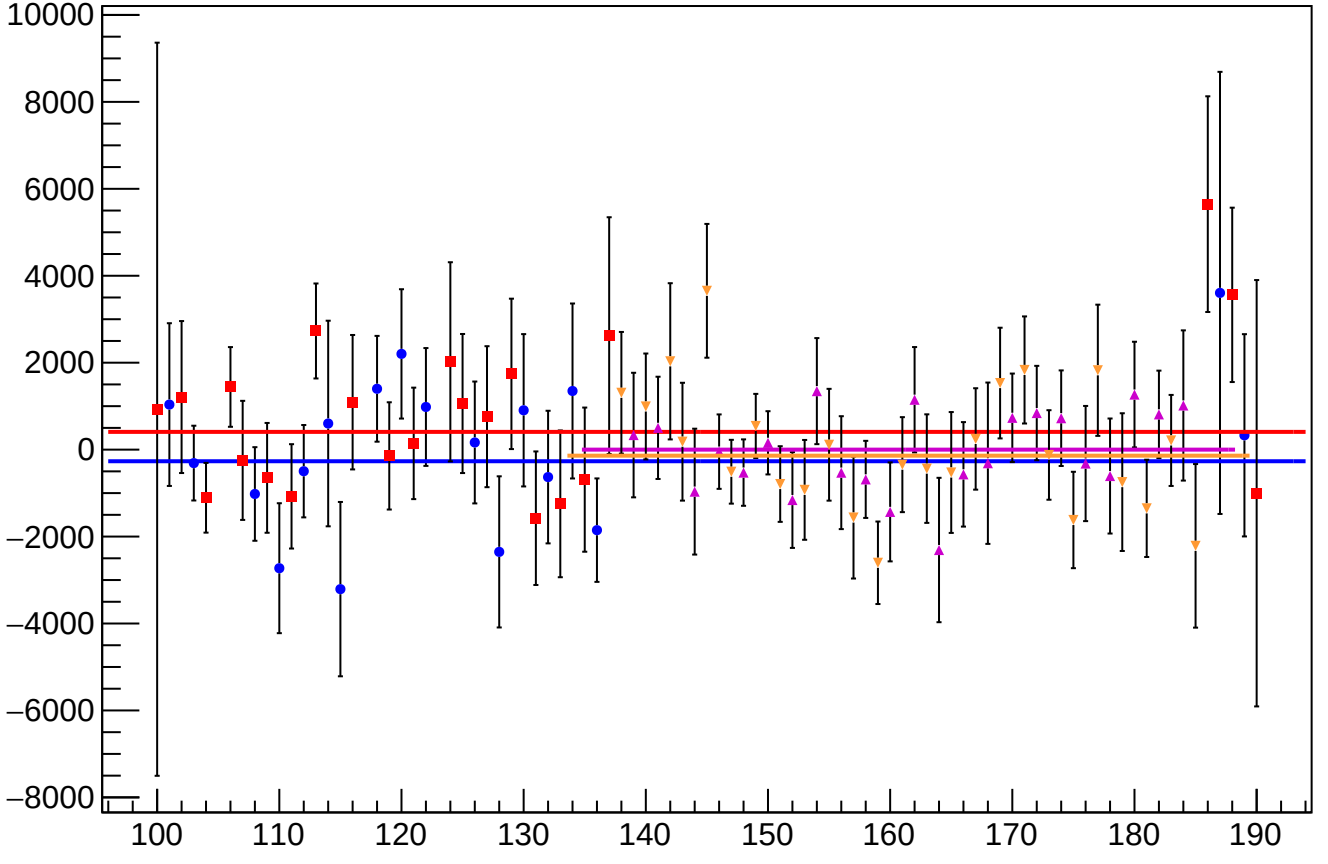
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1623.599+/-0.221 χ^2/NDF: 674795.0/42

All: 1625.340+/-0.156 χ^2/NDF: 828637.5/87

- sign 1627.068+/-0.220 χ^2/NDF: 153718.8/44

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

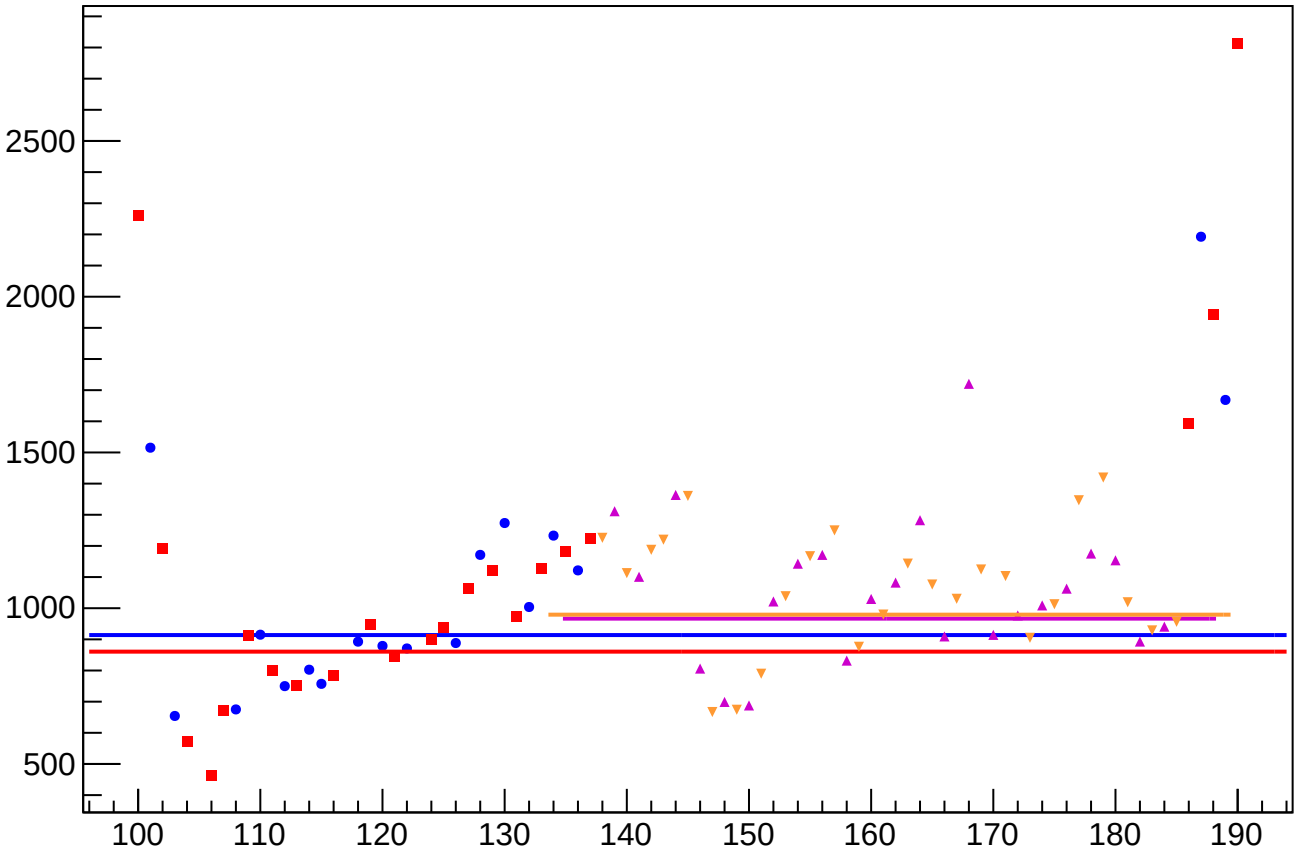
Right Out: 408.342+/-308.858 χ^2/NDF: 24.5/21

Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

+ sign -179.237+/-189.824 χ^2/NDF: 46.9/42

All: -12.183+/-132.652 χ^2/NDF: 86.9/87

- sign 147.258+/-185.448 χ^2/NDF: 38.5/44



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: 860.583+/-0.218 χ^2/NDF: 2170078.4/21

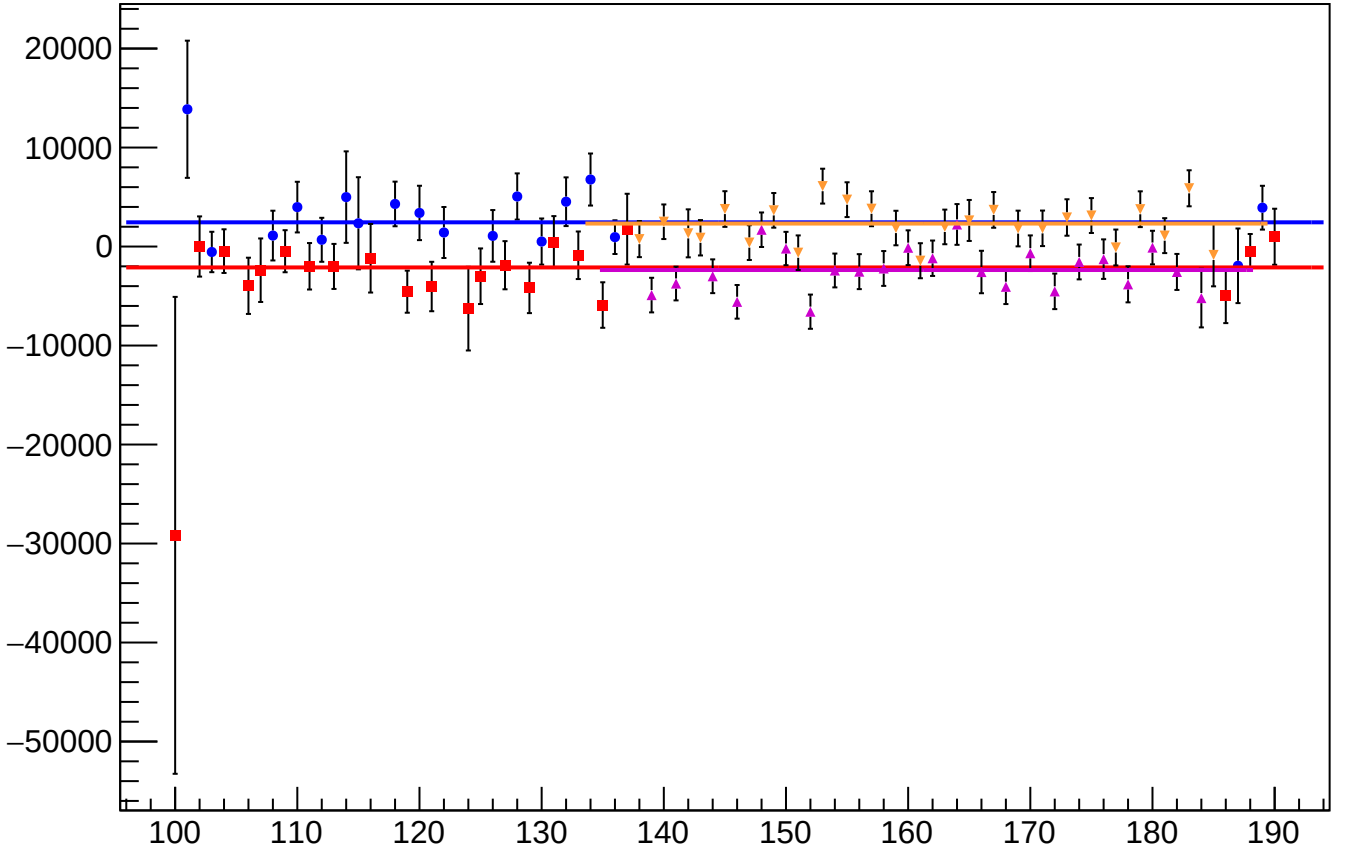
Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

+ sign 958.752+/-0.134 χ^2/NDF: 2821055.6/42

All: 943.189+/-0.094 χ^2/NDF: 6770469.7/87

- sign 928.335+/-0.131 χ^2/NDF: 3923139.0/44

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: -2109.935+/-552.520 χ^2/NDF: 15.3/21

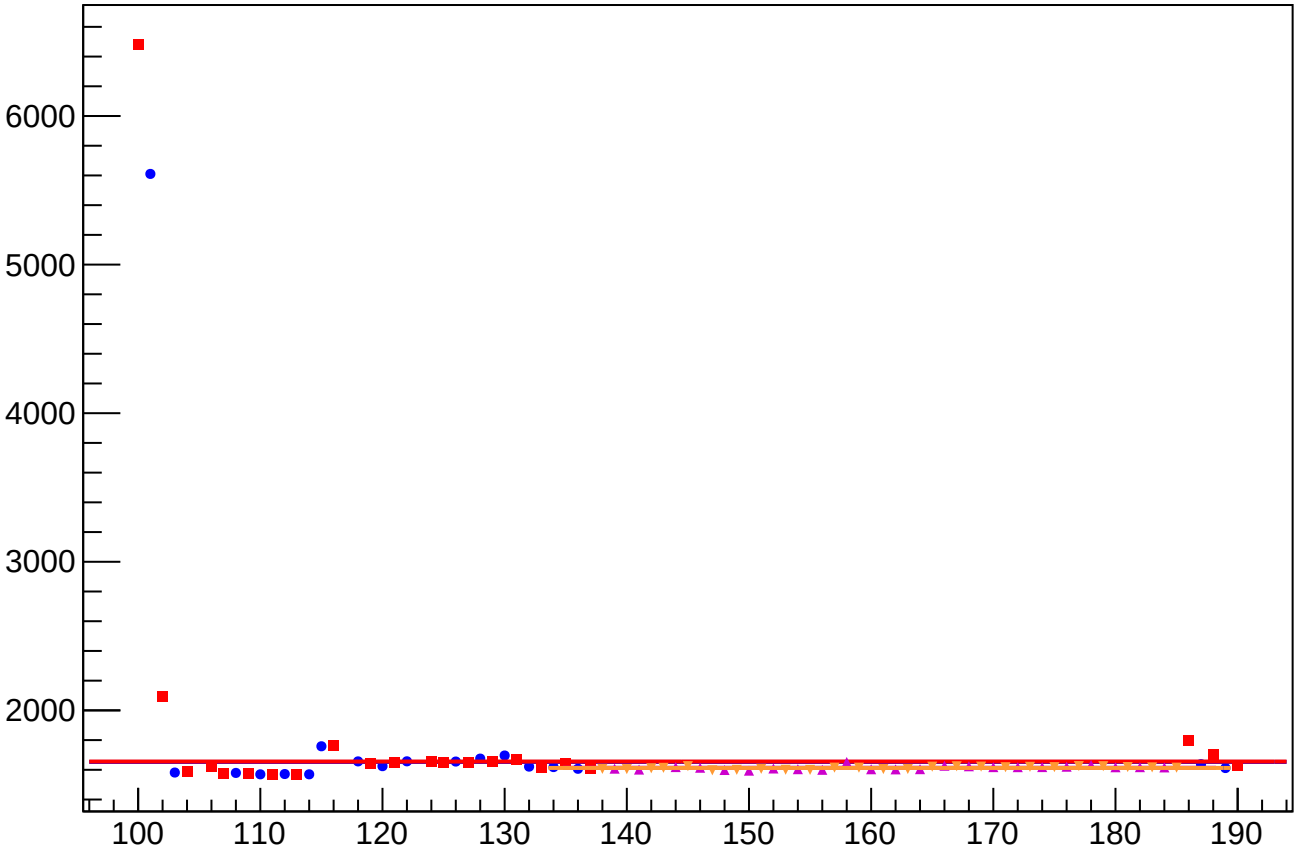
Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2355.219+/-312.421 χ^2/NDF: 43.2/42

All: 25.304+/-220.517 χ^2/NDF: 203.2/87

- sign -2287.923+/-311.300 χ^2/NDF: 49.2/44

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

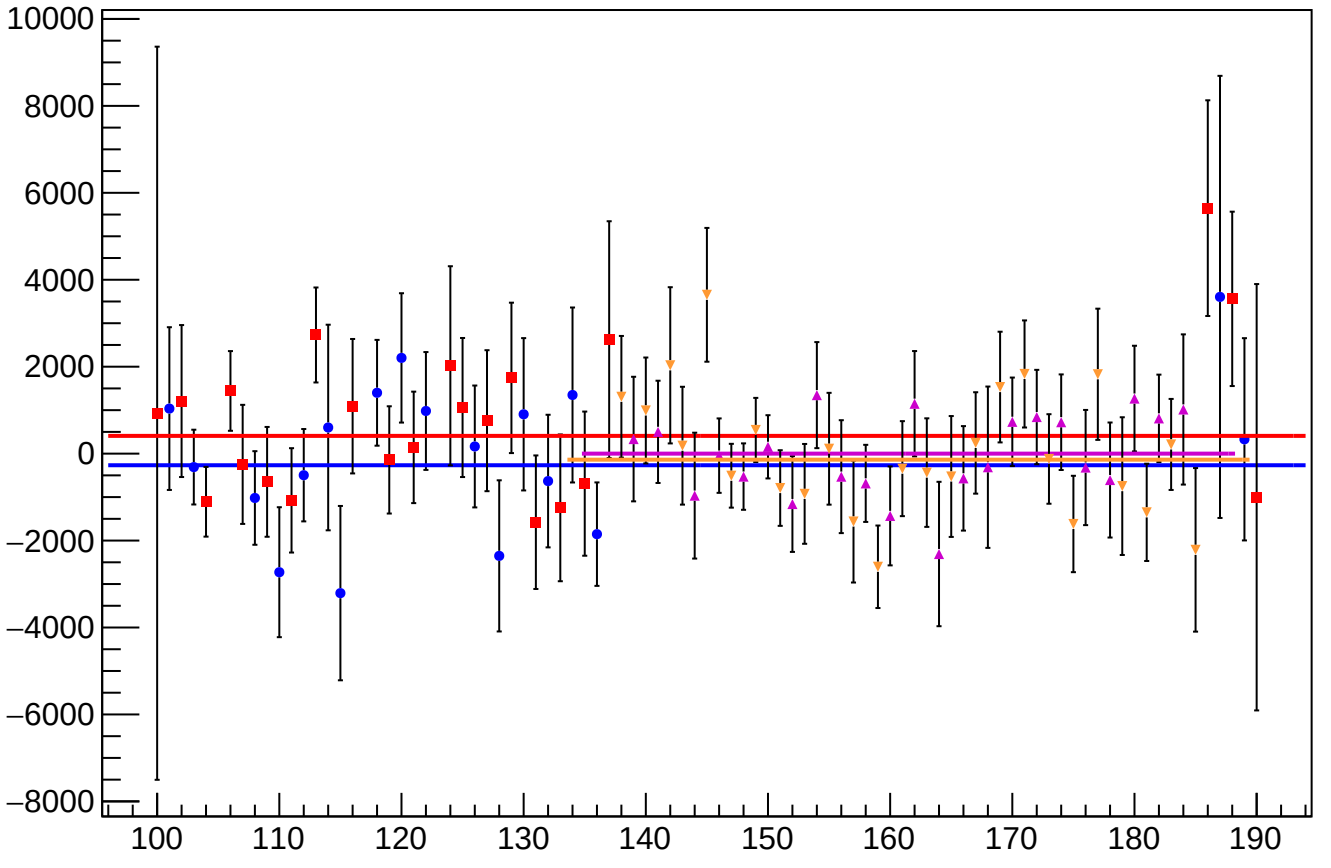
Right Out: 1655.612+/-0.391 χ^2/NDF: 143543.9/21

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1623.599+/-0.221 χ^2/NDF: 674795.0/42

All: 1625.340+/-0.156 χ^2/NDF: 828637.5/87

- sign 1627.068+/-0.220 χ^2/NDF: 153718.8/44



Right In: -267.133+/-338.955 χ^2/NDF: 16.6/17

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

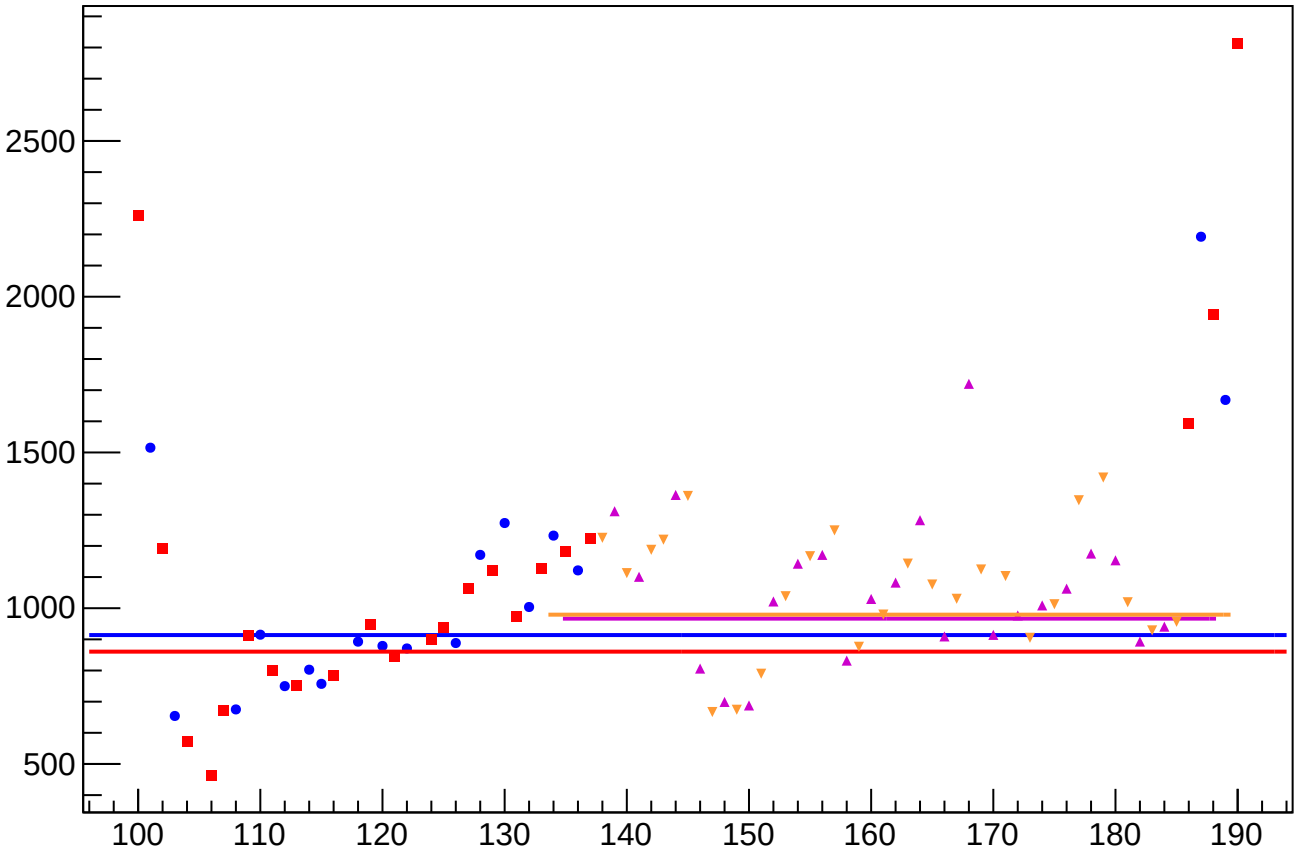
Right Out: 408.342+/-308.858 χ^2/NDF: 24.5/21

Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

+ sign -179.237+/-189.824 χ^2/NDF: 46.9/42

All: -12.183+/-132.652 χ^2/NDF: 86.9/87

- sign 147.258+/-185.448 χ^2/NDF: 38.5/44



Right In: 913.809+/-0.240 χ^2/NDF: 1139096.4/17

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

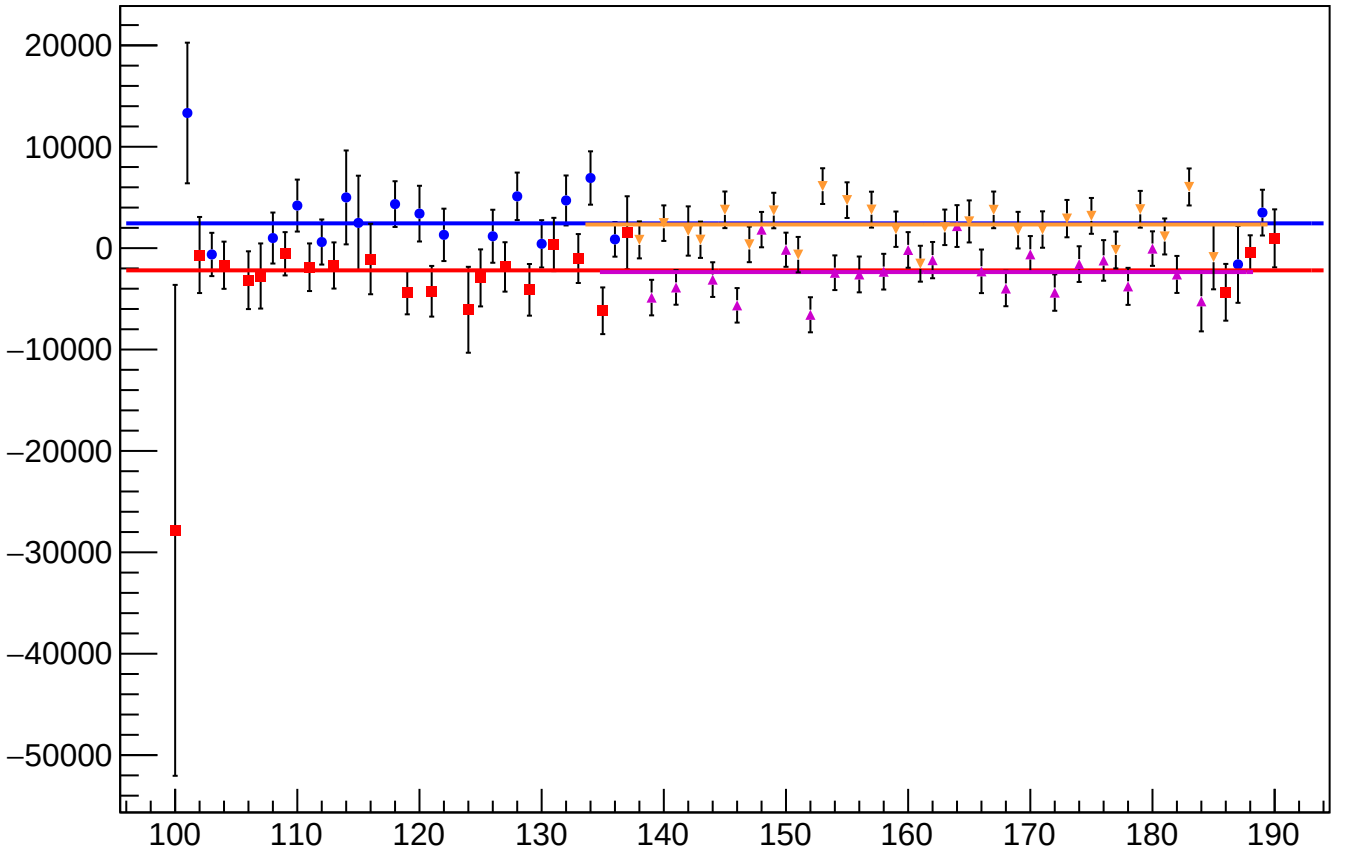
Right Out: 860.583+/-0.218 χ^2/NDF: 2170078.4/21

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

+ sign 958.752+/-0.134 χ^2/NDF: 2821055.6/42

All: 943.189+/-0.094 χ^2/NDF: 6770469.7/87

- sign 928.335+/-0.131 χ^2/NDF: 3923139.0/44



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: -2191.277+/-558.858 χ^2/NDF: 13.5/21

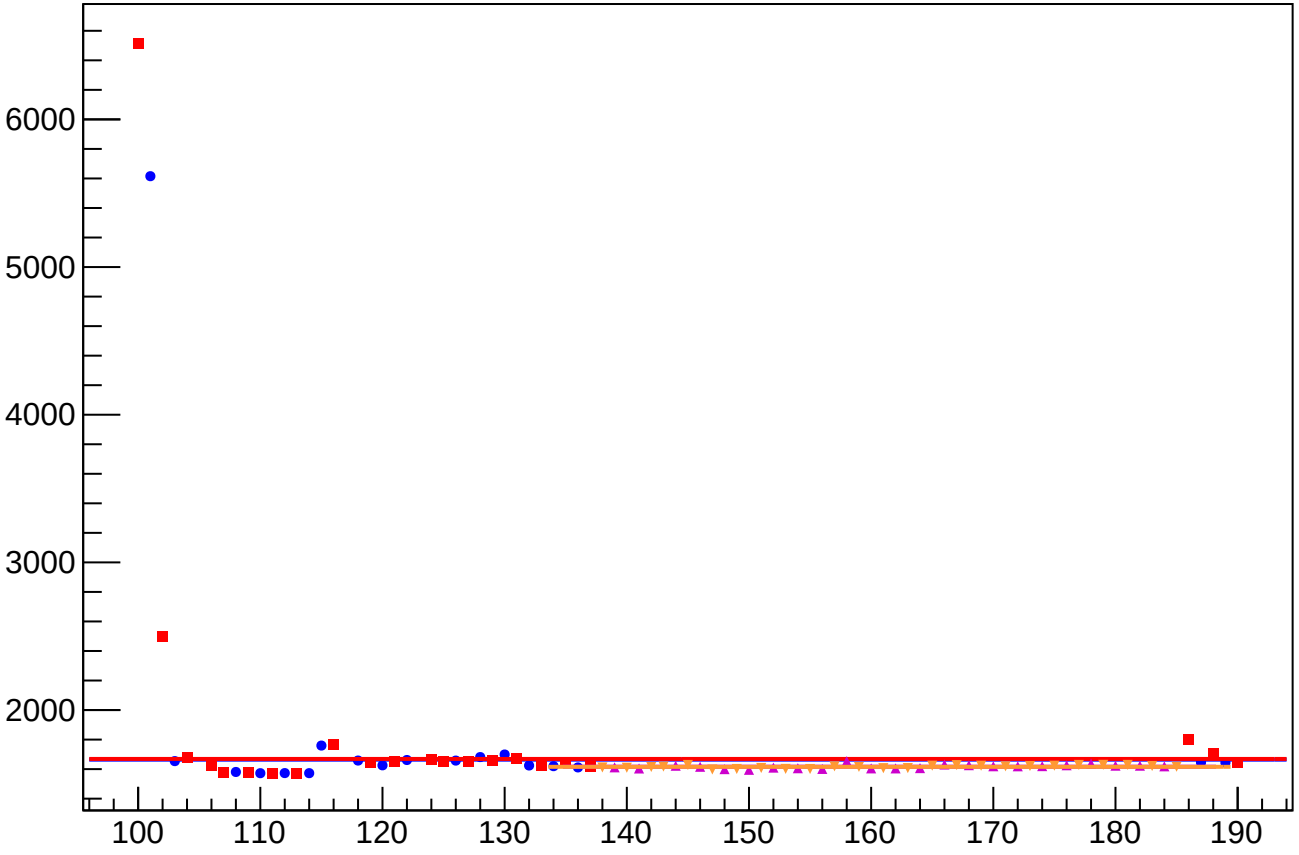
Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2364.697+/-313.422 χ^2/NDF: 43.9/42

All: 23.758+/-221.390 χ^2/NDF: 202.8/87

- sign -2307.354+/-312.763 χ^2/NDF: 47.6/44

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: 1668.969+/-0.395 χ^2/NDF: 199157.9/21

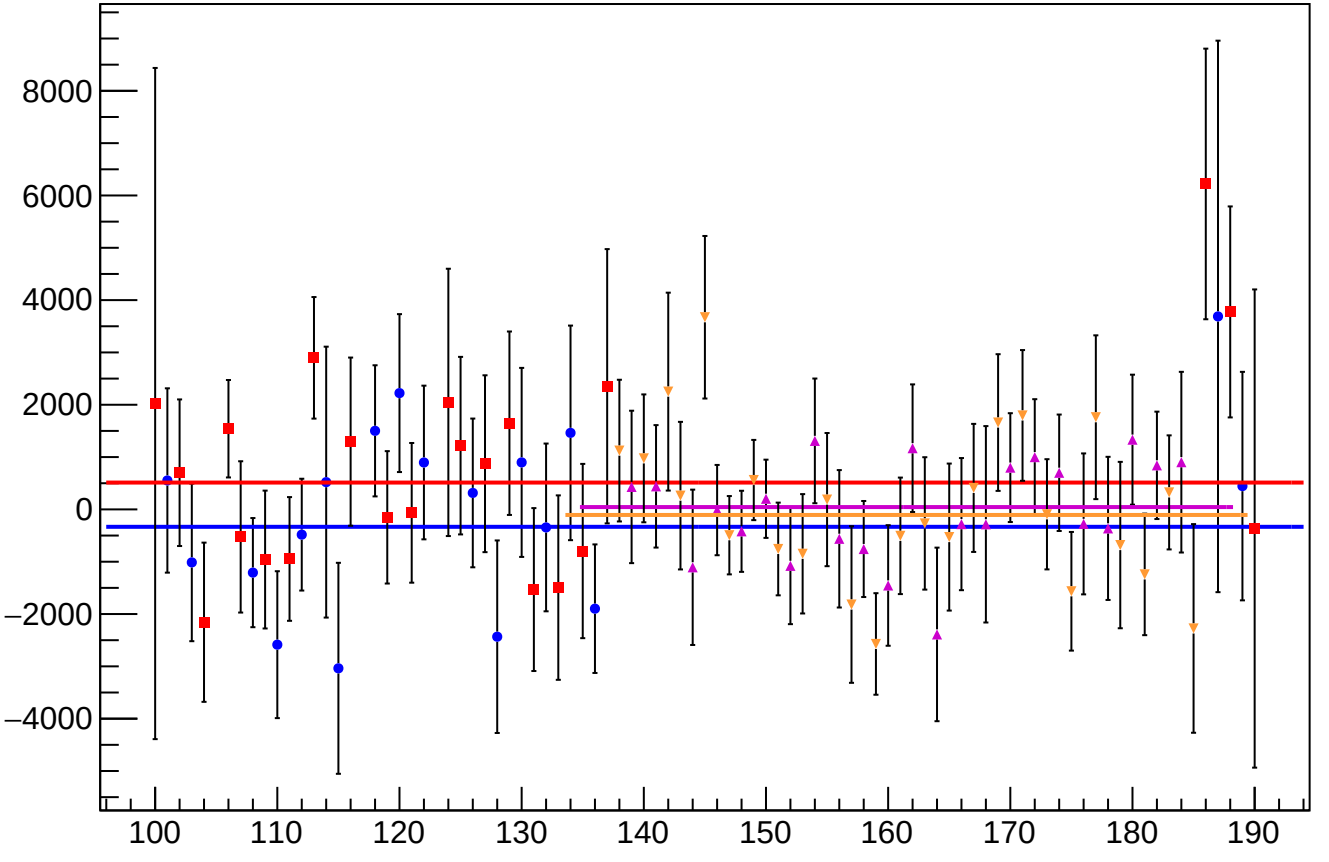
Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

+ sign 1628.794+/-0.222 χ^2/NDF: 674101.3/42

All: 1630.820+/-0.157 χ^2/NDF: 888155.7/87

- sign 1632.838+/-0.221 χ^2/NDF: 213887.6/44

asym_usr_atr1_avg_dit_correction_mean vs Slug



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: 512.871+/-332.184 χ^2/NDF: 25.2/21

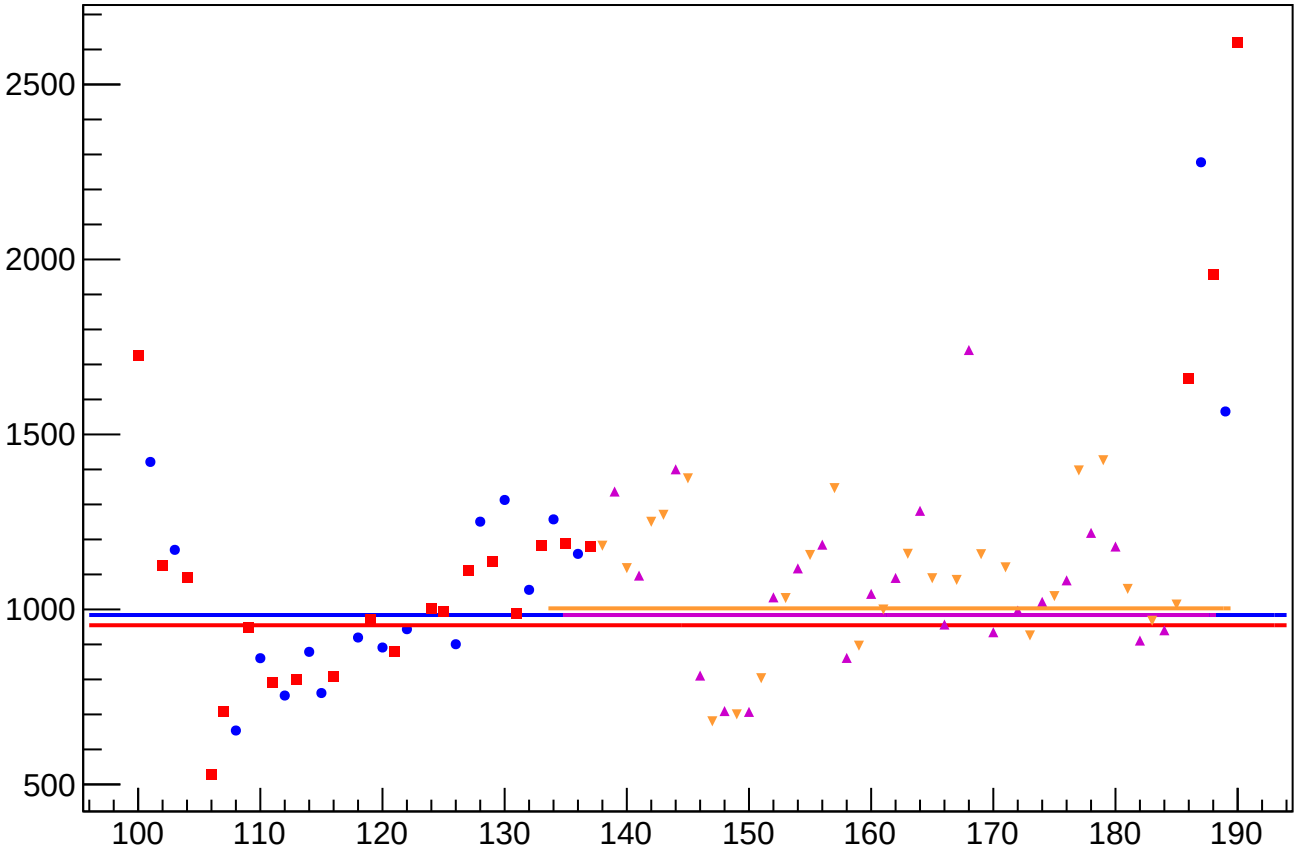
Left In: 44.469+/-235.733 χ^2/NDF:12.8/22

\+ sign -173.238+/-196.695 χ^2/NDF: 45.7/42

All: 18.341+/-137.484 χ^2/NDF: 86.9/87

\- sign 201.350+/-192.245 χ^2/NDF: 39.3/44

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

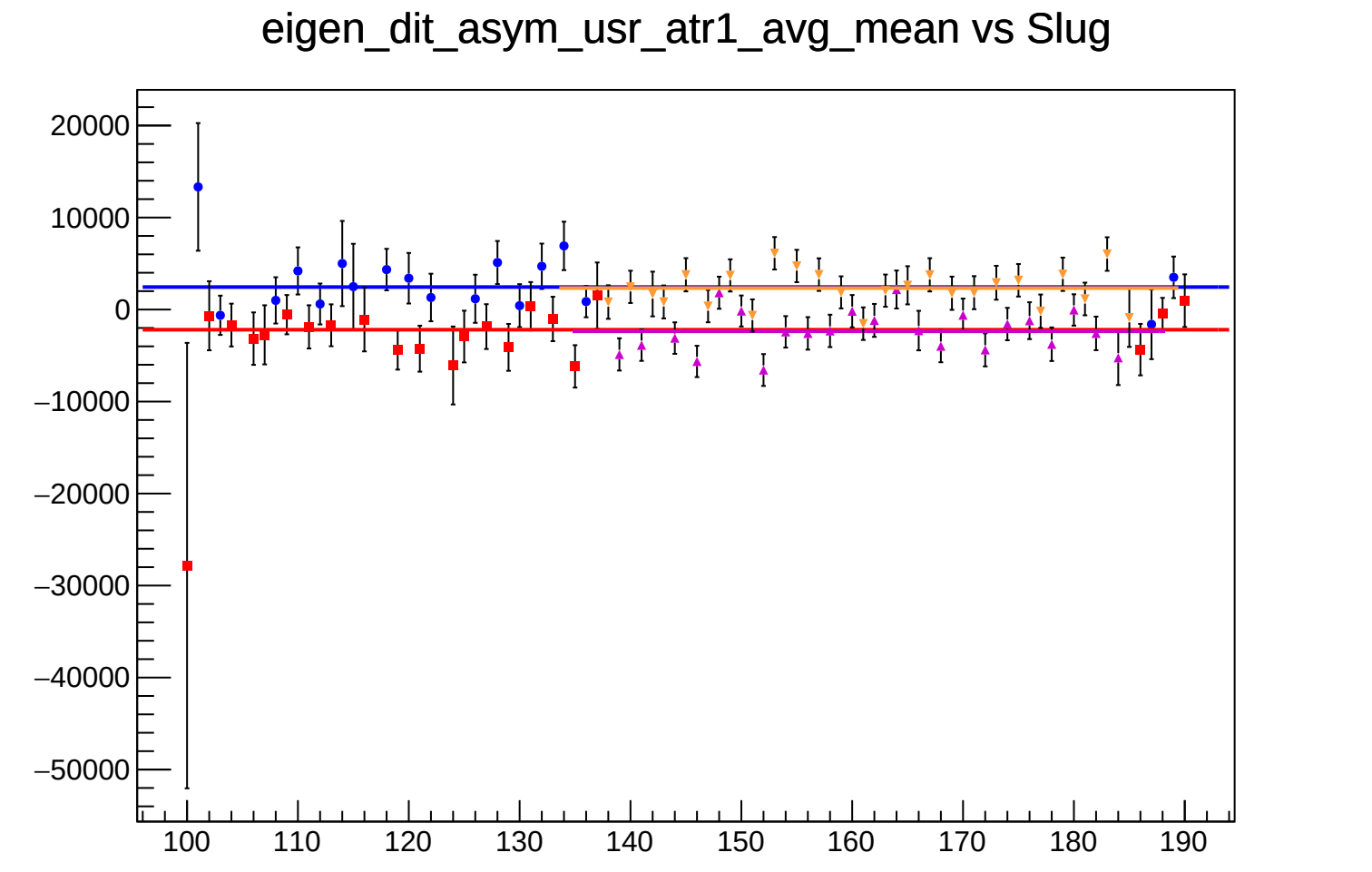
Right Out: 954.820+/-0.235 χ^2/NDF: 1688002.9/21

Left In: 984.053+/-0.167 χ^2/NDF:1559561.5/22

+ sign 997.478+/-0.139 χ^2/NDF: 2564246.5/42

All: 985.605+/-0.097 χ^2/NDF: 5836362.5/87

- sign 974.262+/-0.136 χ^2/NDF: 3257865.9/44



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: -2191.275+/-558.858 χ^2/NDF: 13.5/21

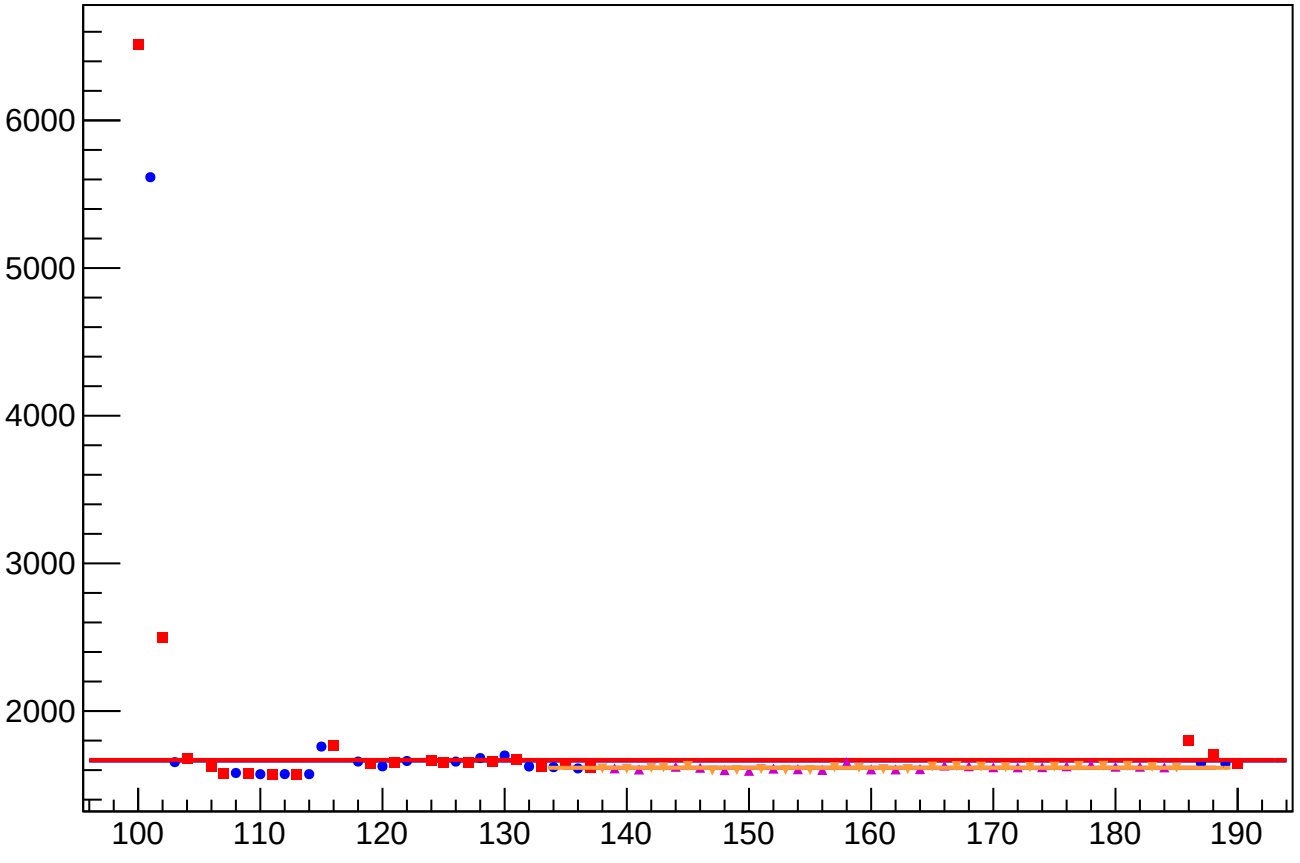
Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2364.696+/-313.422 χ^2/NDF: 43.9/42

All: 23.758+/-221.390 χ^2/NDF: 202.8/87

- sign -2307.353+/-312.763 χ^2/NDF: 47.6/44

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

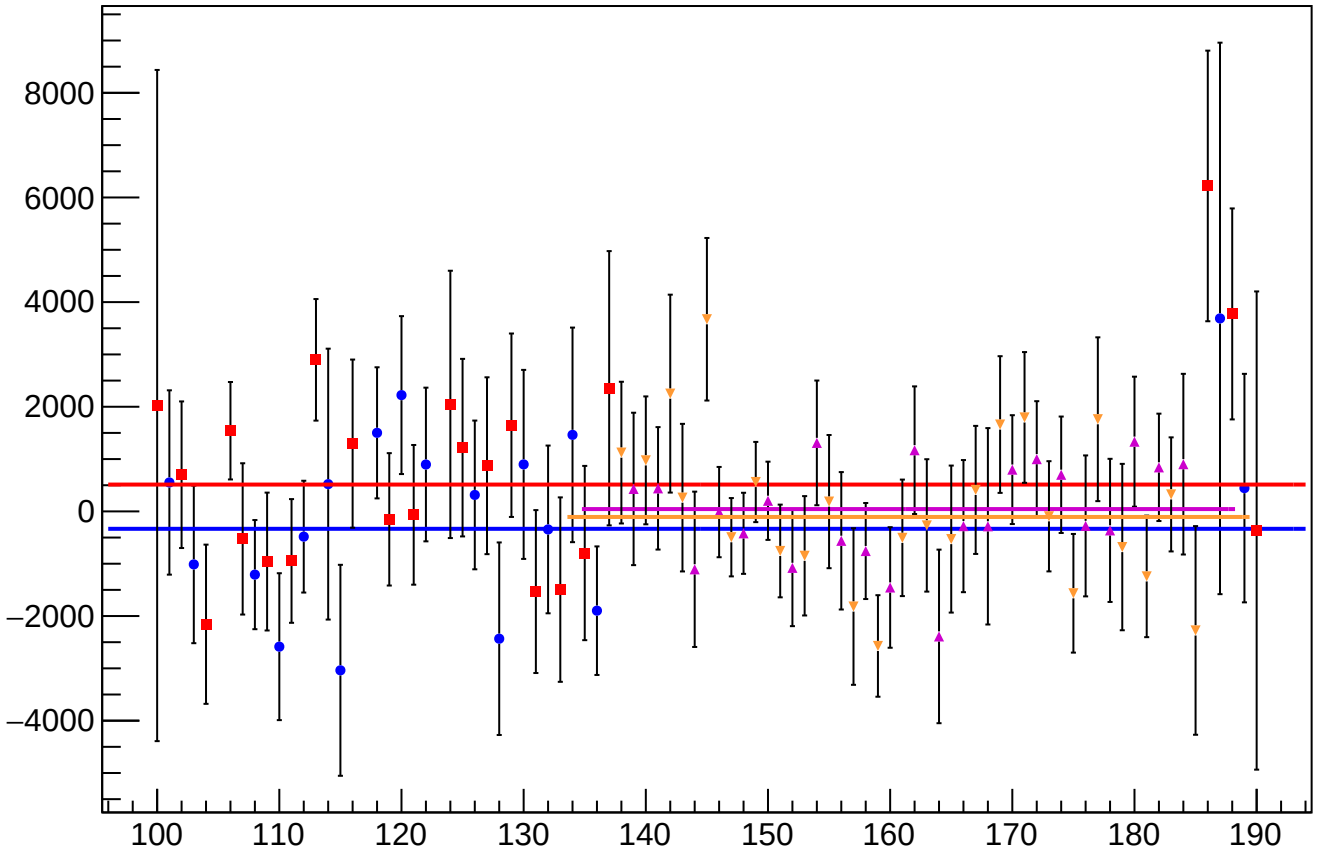
Right Out: 1668.969+/-0.395 χ^2/NDF: 199157.8/21

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

+ sign 1628.794+/-0.222 χ^2/NDF: 674101.2/42

All: 1630.820+/-0.157 χ^2/NDF: 888155.5/87

- sign 1632.838+/-0.221 χ^2/NDF: 213887.5/44



Right In: -332.903+/-361.972 χ^2/NDF: 16.4/17

Left Out: -106.340+/-234.307 χ^2/NDF:29.0/24

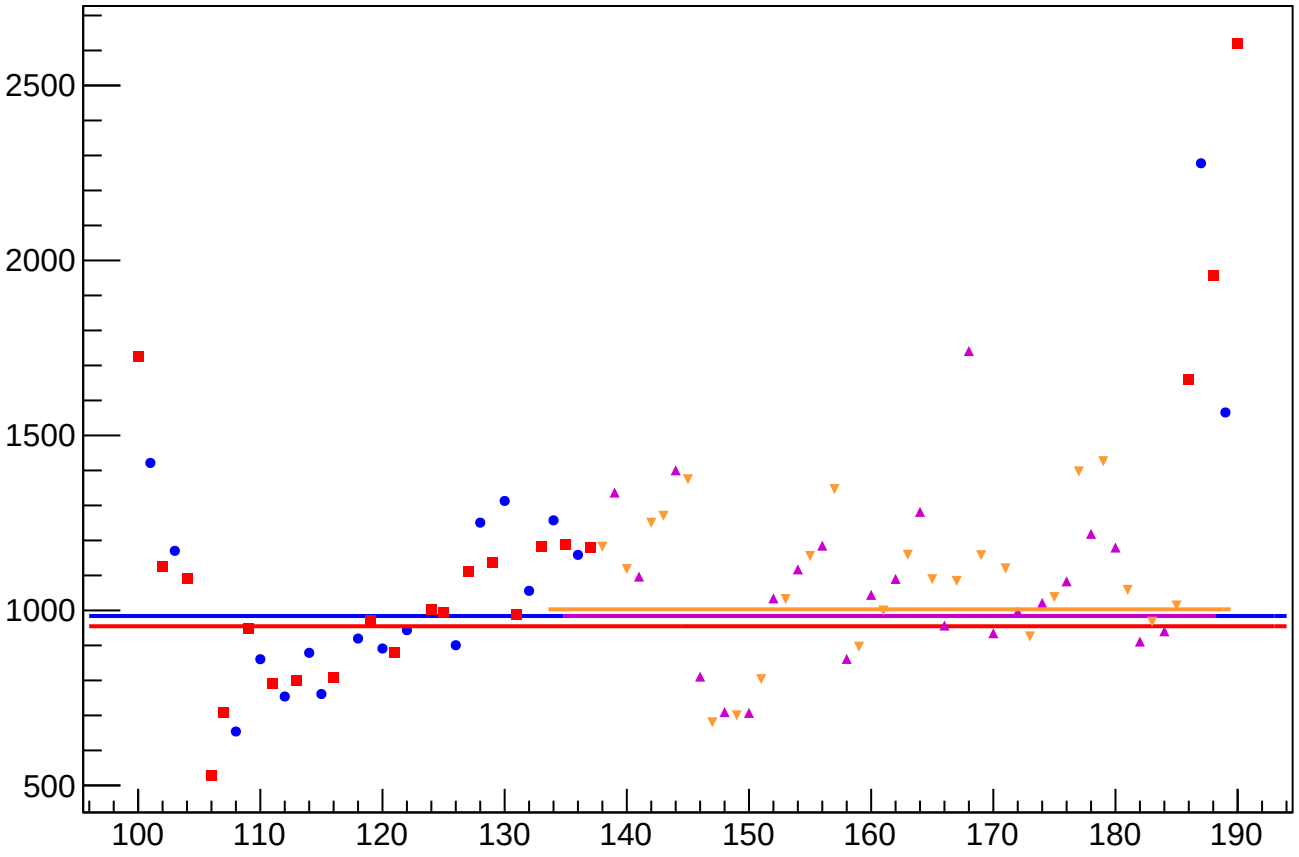
Right Out: 512.869+/-332.183 χ^2/NDF: 25.2/21

Left In: 44.468+/-235.733 χ^2/NDF:12.8/22

\+ sign -173.239+/-196.695 χ^2/NDF: 45.7/42

All: 18.340+/-137.484 χ^2/NDF: 86.9/87

\- sign 201.350+/-192.245 χ^2/NDF: 39.3/44



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: 954.817+/-0.235 χ^2/NDF: 1688007.4/21

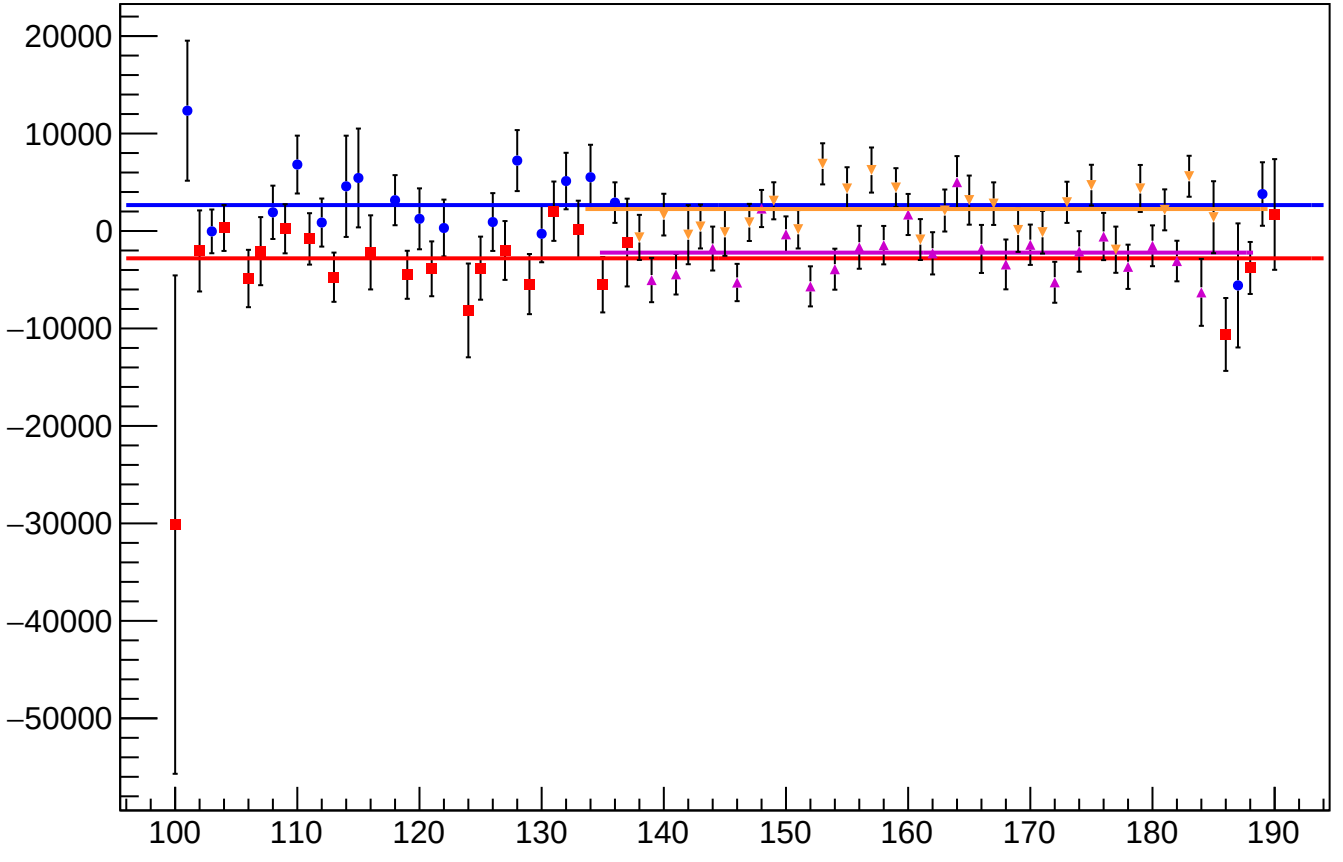
Left In: 984.055+/-0.167 χ^2/NDF:1559563.7/22

+ sign 997.479+/-0.139 χ^2/NDF: 2564262.7/42

All: 985.605+/-0.097 χ^2/NDF: 5836388.5/87

- sign 974.263+/-0.136 χ^2/NDF: 3257875.8/44

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: -2804.064+/-667.147 χ^2/NDF: 18.5/21

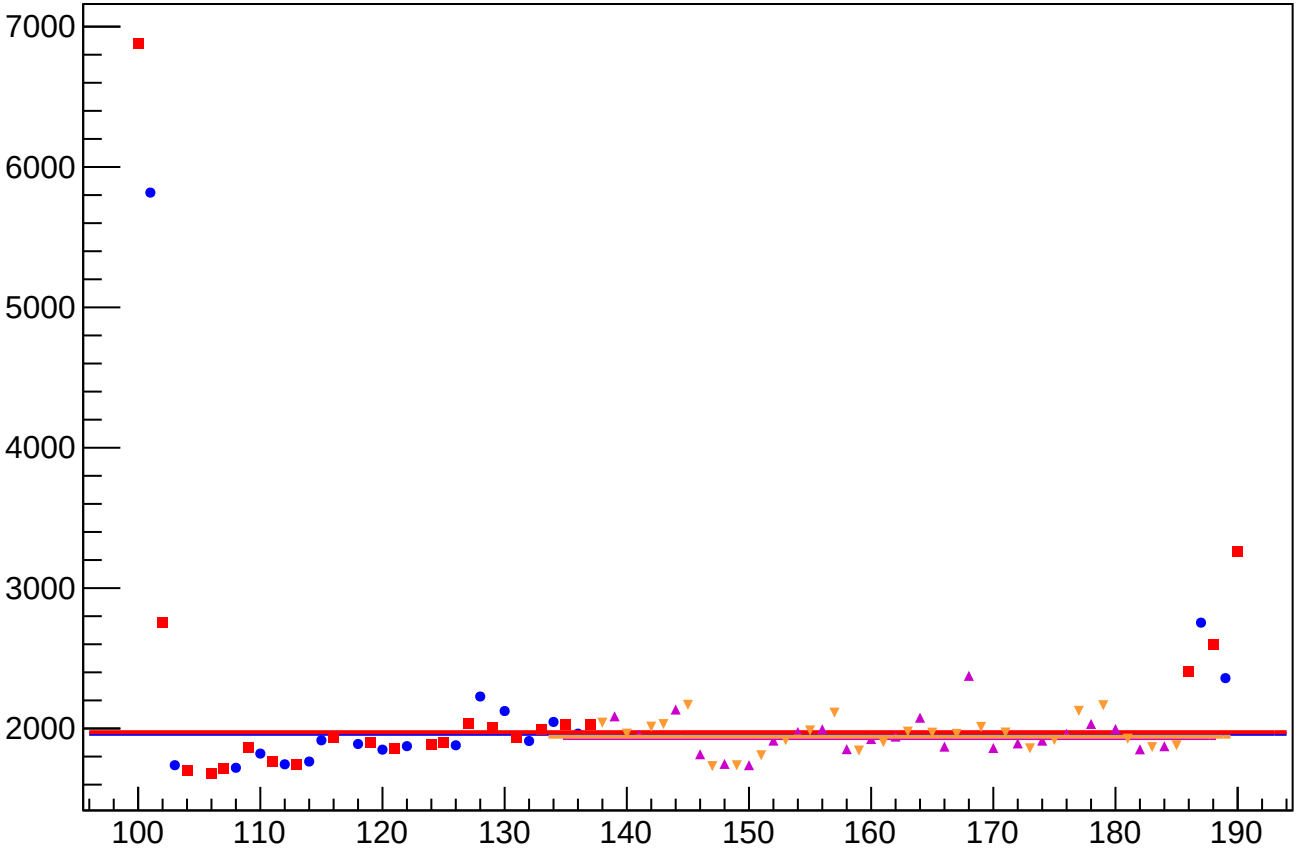
Left In: -2219.401+/-452.286 χ^2/NDF:31.5/22

+ sign 2365.505+/-375.737 χ^2/NDF: 42.5/42

All: -27.716+/-265.200 χ^2/NDF: 173.9/87

- sign -2403.501+/-374.366 χ^2/NDF: 50.6/44

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

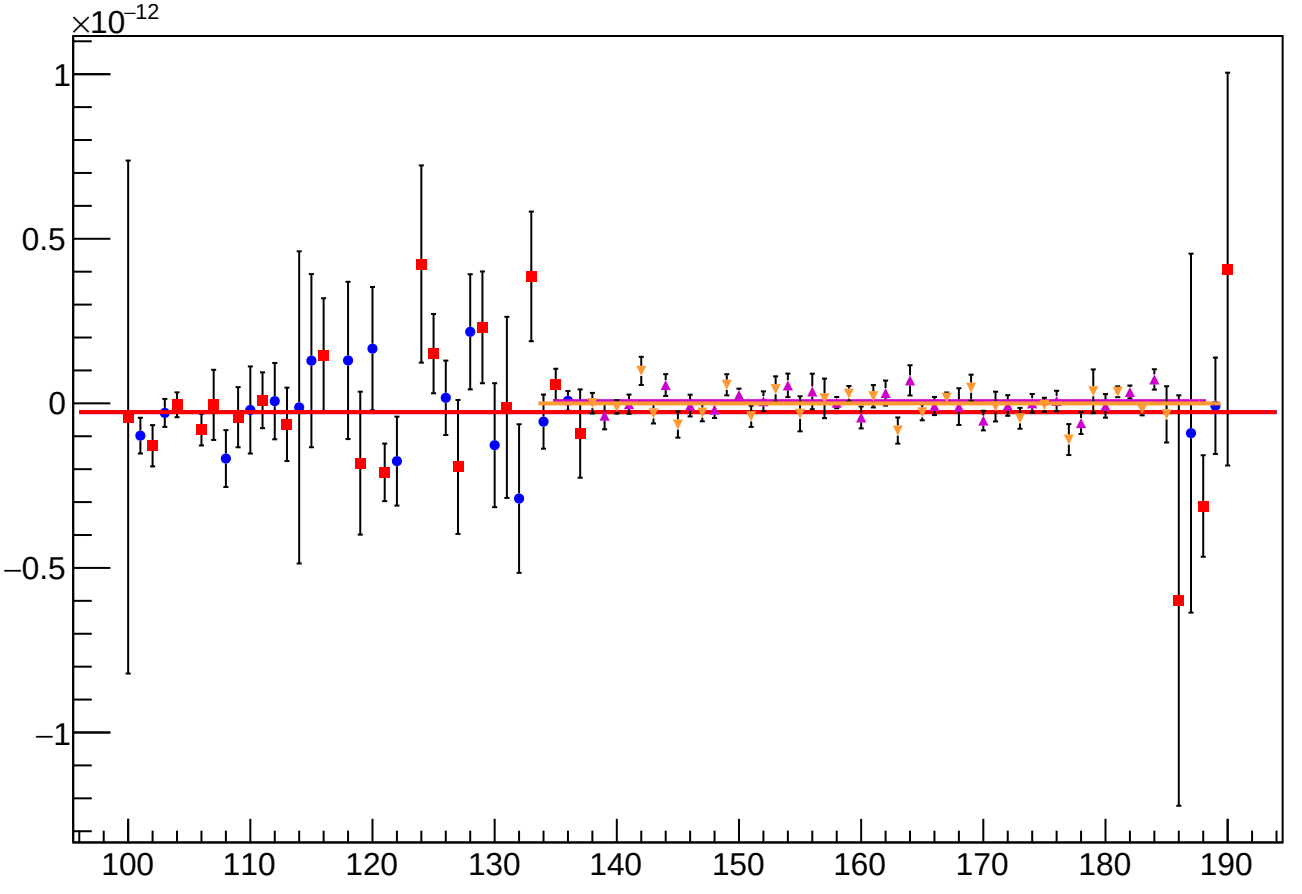
Right Out: 1973.565+/-0.472 χ^2/NDF: 485273.2/21

Left In: 1931.812+/-0.320 χ^2/NDF:159877.0/22

+ sign 1947.261+/-0.266 χ^2/NDF: 865527.4/42

All: 1946.106+/-0.188 χ^2/NDF: 1516082.2/87

- sign 1944.960+/-0.265 χ^2/NDF: 650517.1/44



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/17

Left Out: -0.000+/-0.000 χ^2/NDF:40.3/24

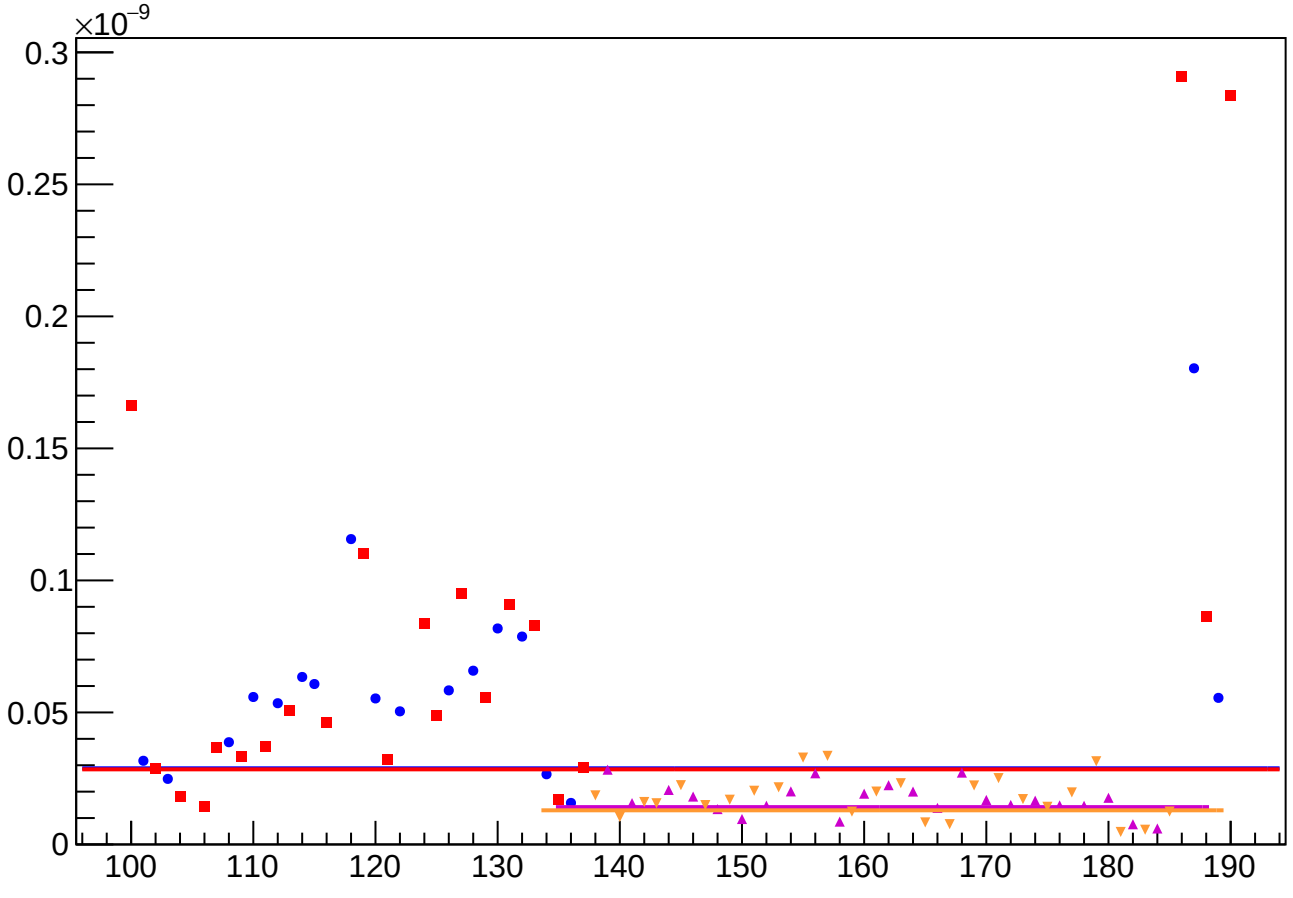
Right Out: -0.000+/-0.000 χ^2/NDF: 30.3/21

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: 115.9/87

- sign 0.000+/-0.000 χ^2/NDF: 60.5/44



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: 2568861.2/21

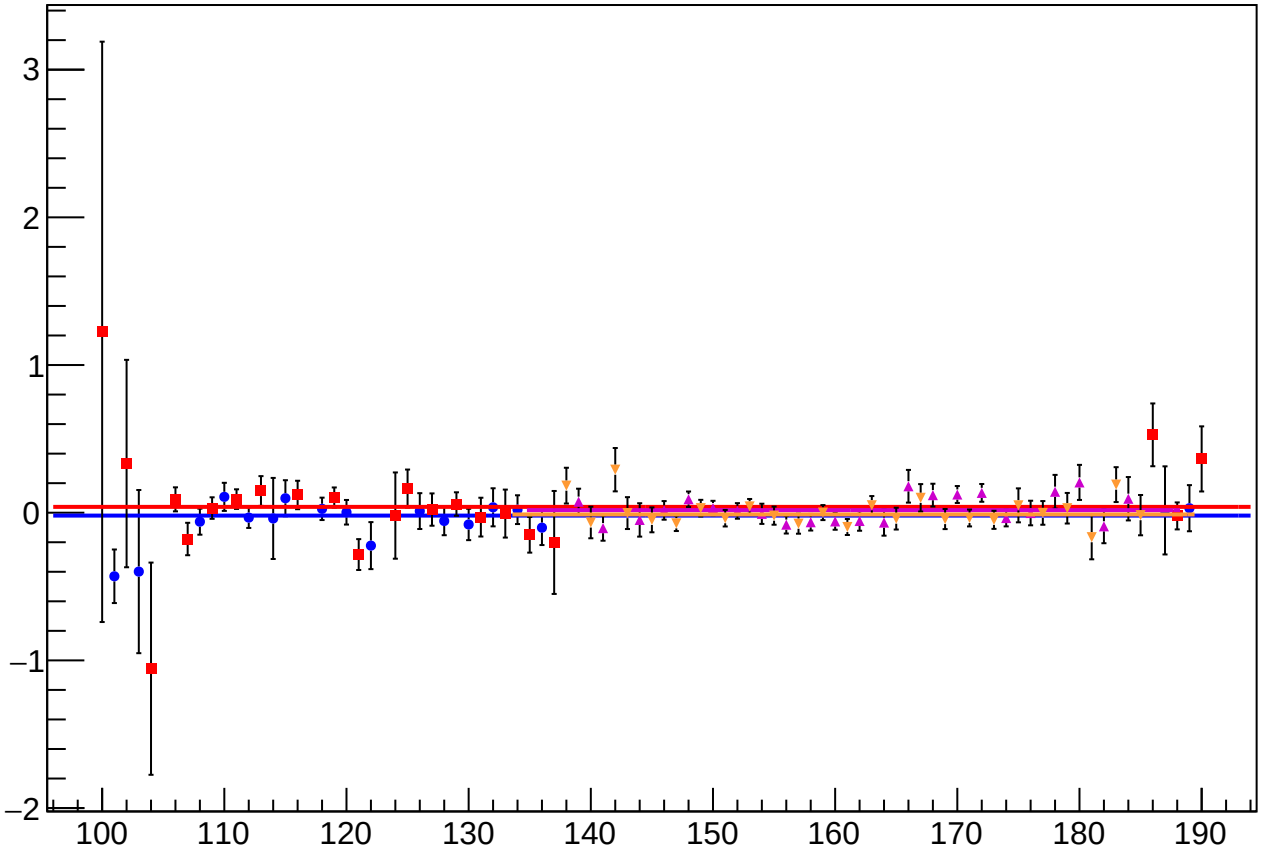
Left In: 0.000+/-0.000 χ^2/NDF:1522273.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5828702.9/42

All: 0.000+/-0.000 χ^2/NDF: 10975182.2/87

- sign 0.000+/-0.000 χ^2/NDF: 5099456.9/44

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: 0.039+/-0.023 χ^2/NDF: 32.3/21

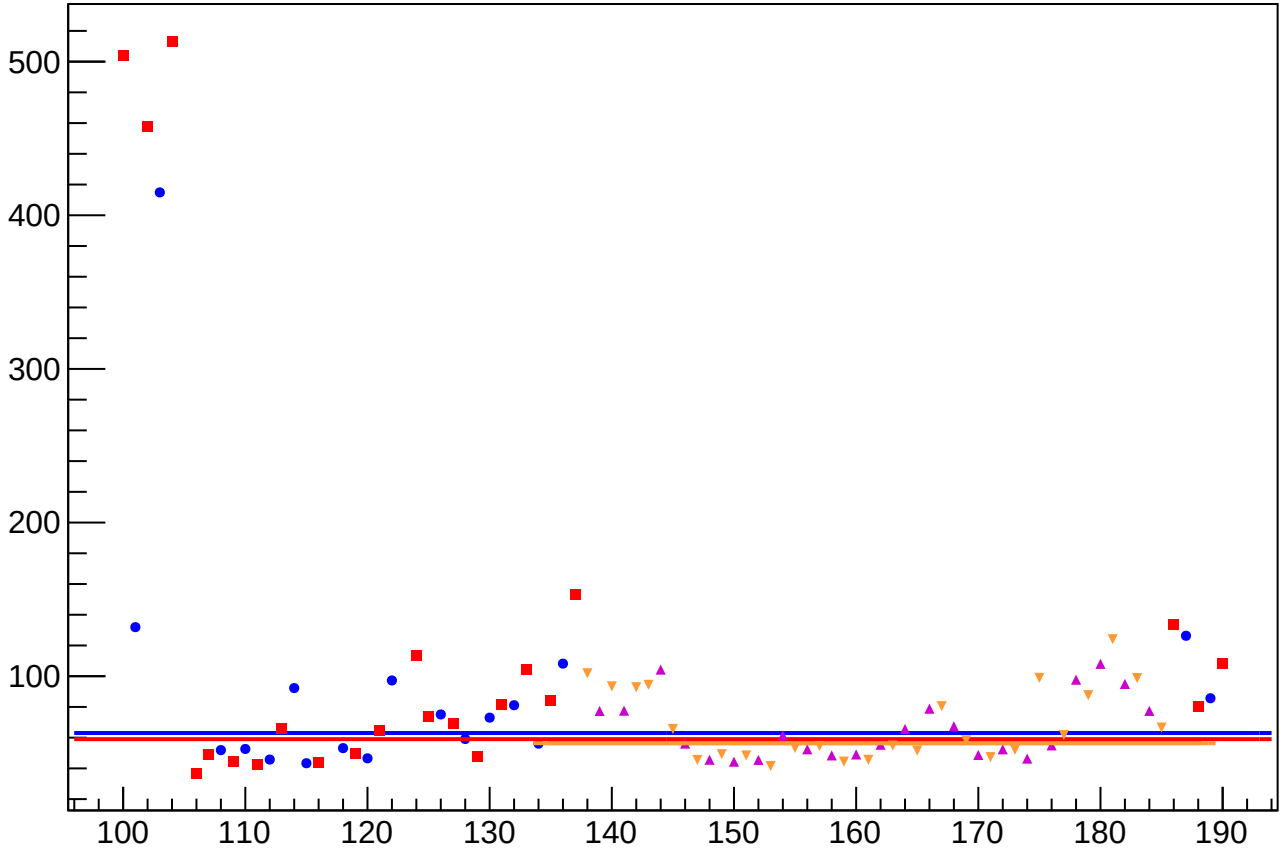
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.014+/-0.013 χ^2/NDF: 34.0/42

All: 0.005+/-0.009 χ^2/NDF: 102.0/87

- sign 0.023+/-0.012 χ^2/NDF: 63.6/44

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

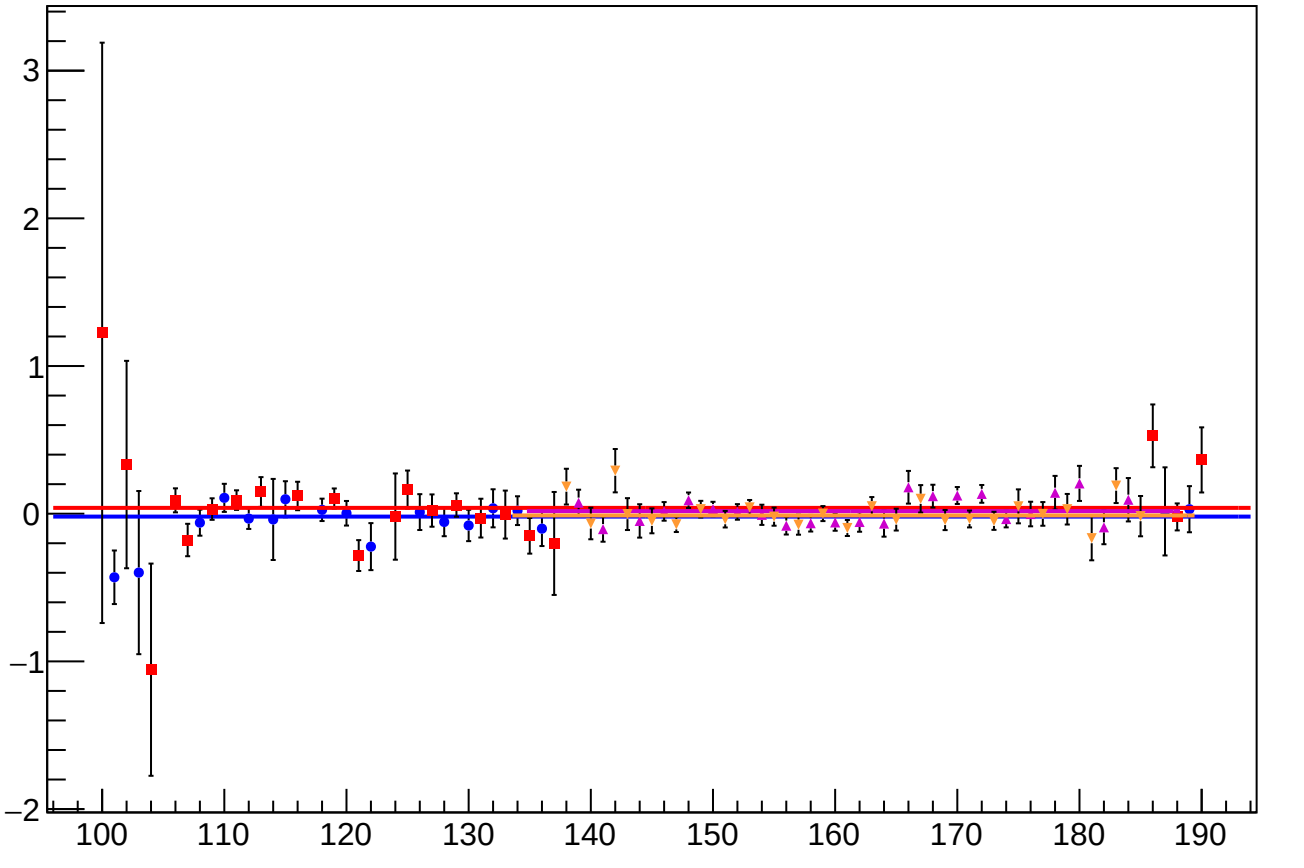
Right Out: 59.035+/-0.017 χ^2/NDF: 3080248.5/21

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

\+ sign 57.915+/-0.009 χ^2/NDF: 4971142.7/42

All: 57.539+/-0.006 χ^2/NDF: 10212354.7/87

\- sign 57.176+/-0.009 χ^2/NDF: 5237679.0/44



Right In: -0.020+/-0.026 χ^2/NDF: 12.1/17

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

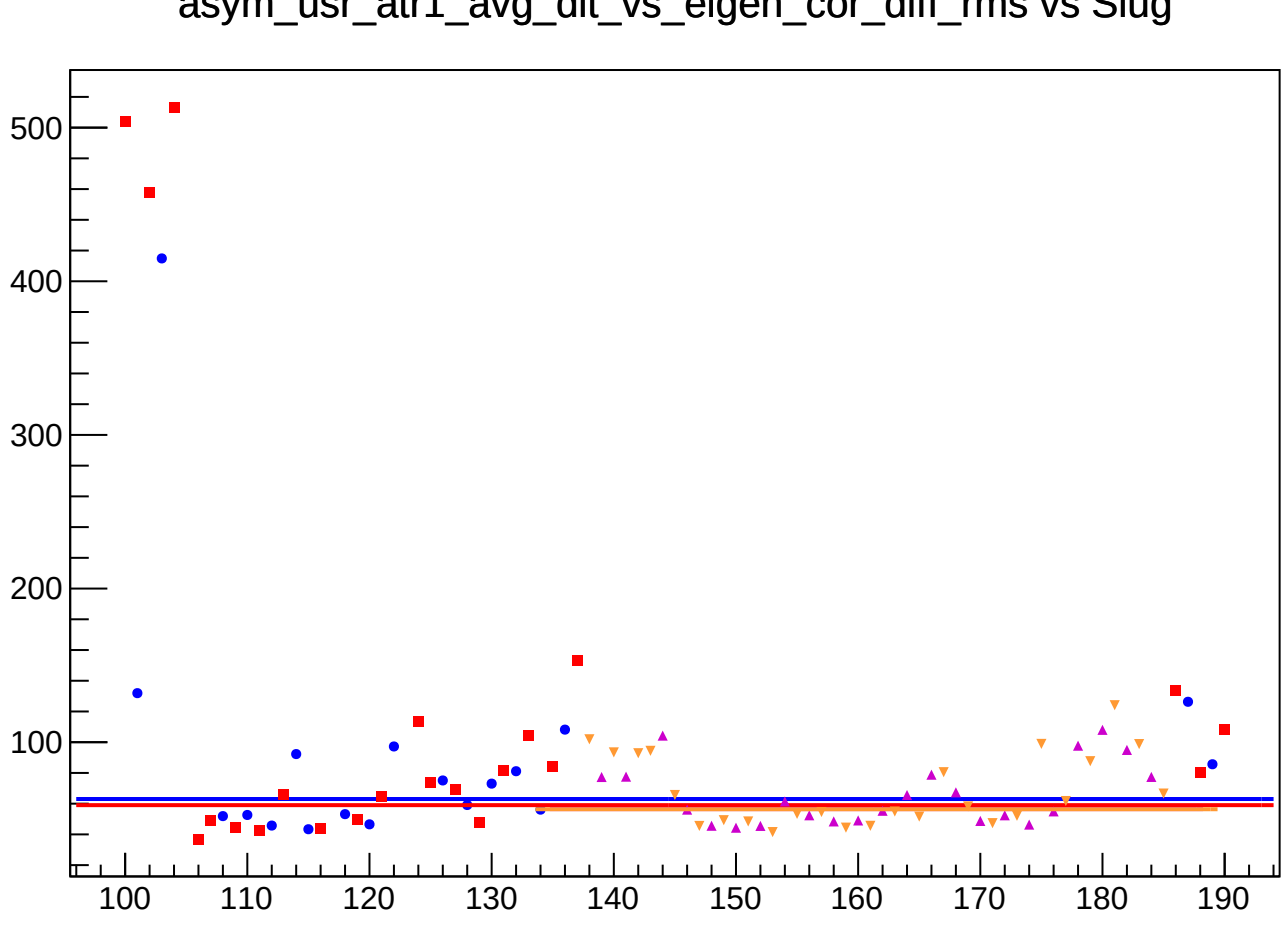
Right Out: 0.039+/-0.023 χ^2/NDF: 32.3/21

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: 102.0/87

- sign 0.023+/-0.012 χ^2/NDF: 63.6/44



Right In: 63.031+/-0.018 χ^2/NDF: 2073685.1/17

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

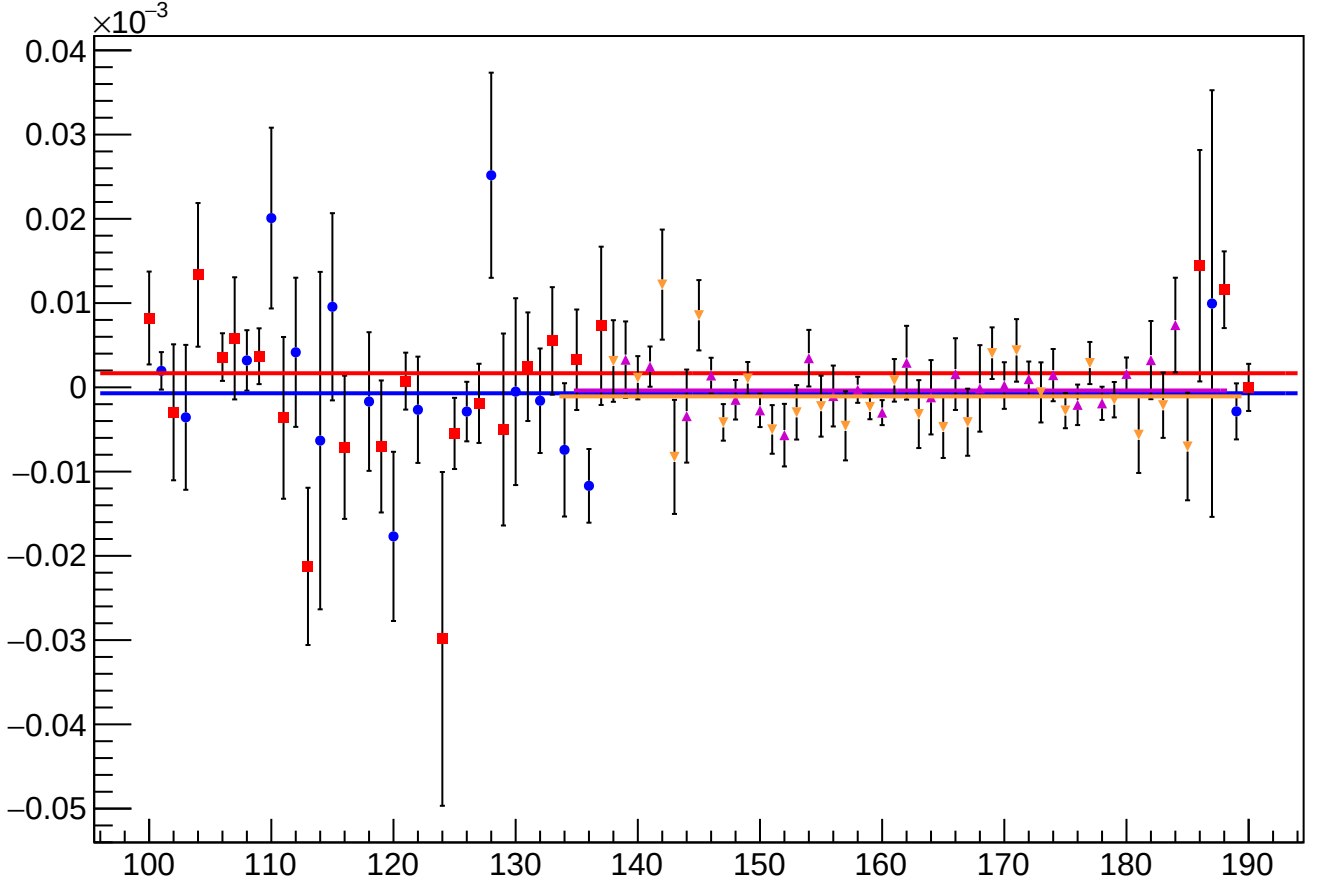
Right Out: 59.035+/-0.017 χ^2/NDF: 3080248.5/21

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

+ sign 57.915+/-0.009 χ^2/NDF: 4971142.7/42

All: 57.539+/-0.006 χ^2/NDF: 10212354.7/87

- sign 57.176+/-0.009 χ^2/NDF: 5237679.0/44



Right In: -0.000+/-0.000 χ^2/NDF: 23.2/17

Left Out: -0.000+/-0.000 χ^2/NDF:31.6/24

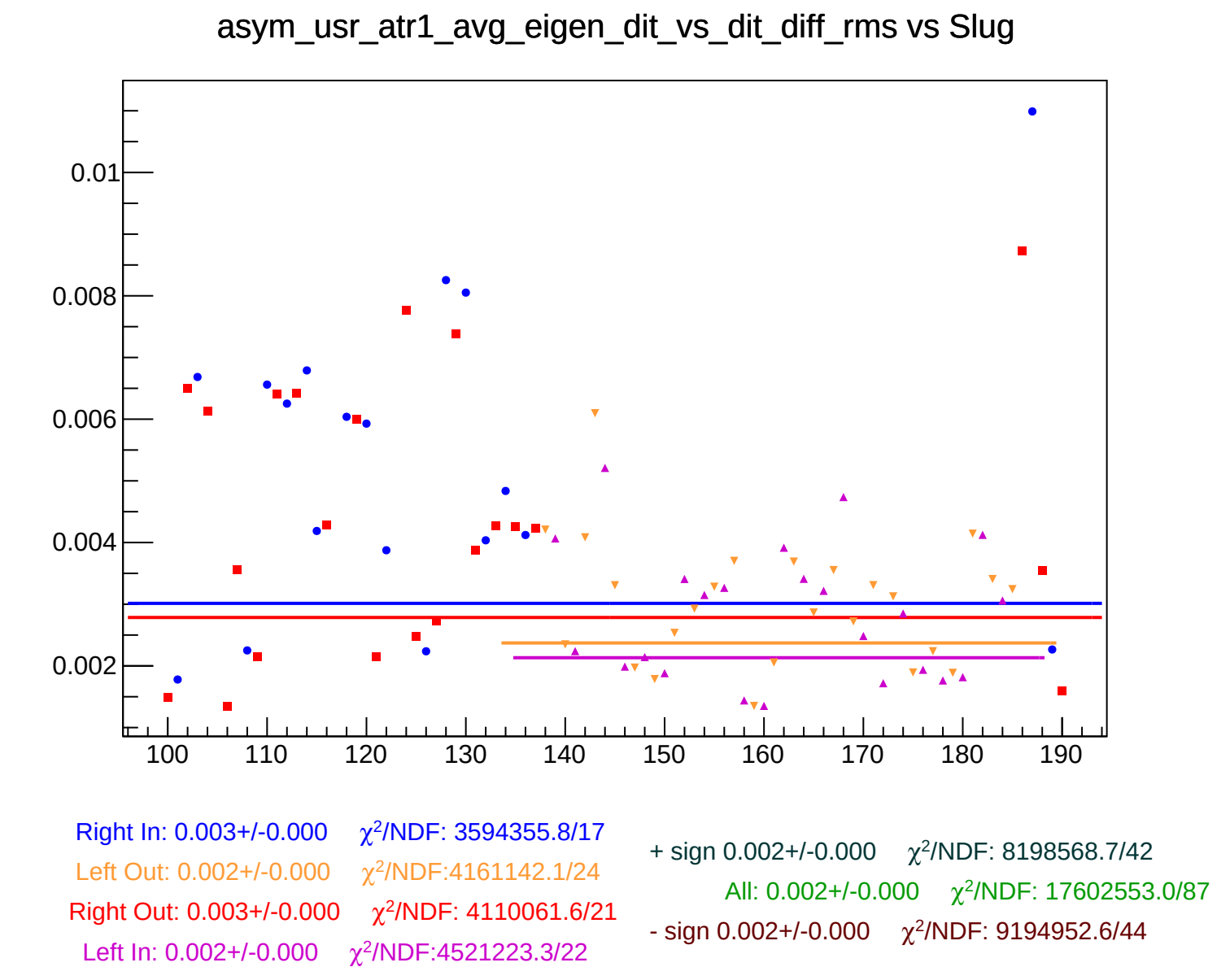
Right Out: 0.000+/-0.000 χ^2/NDF: 26.6/21

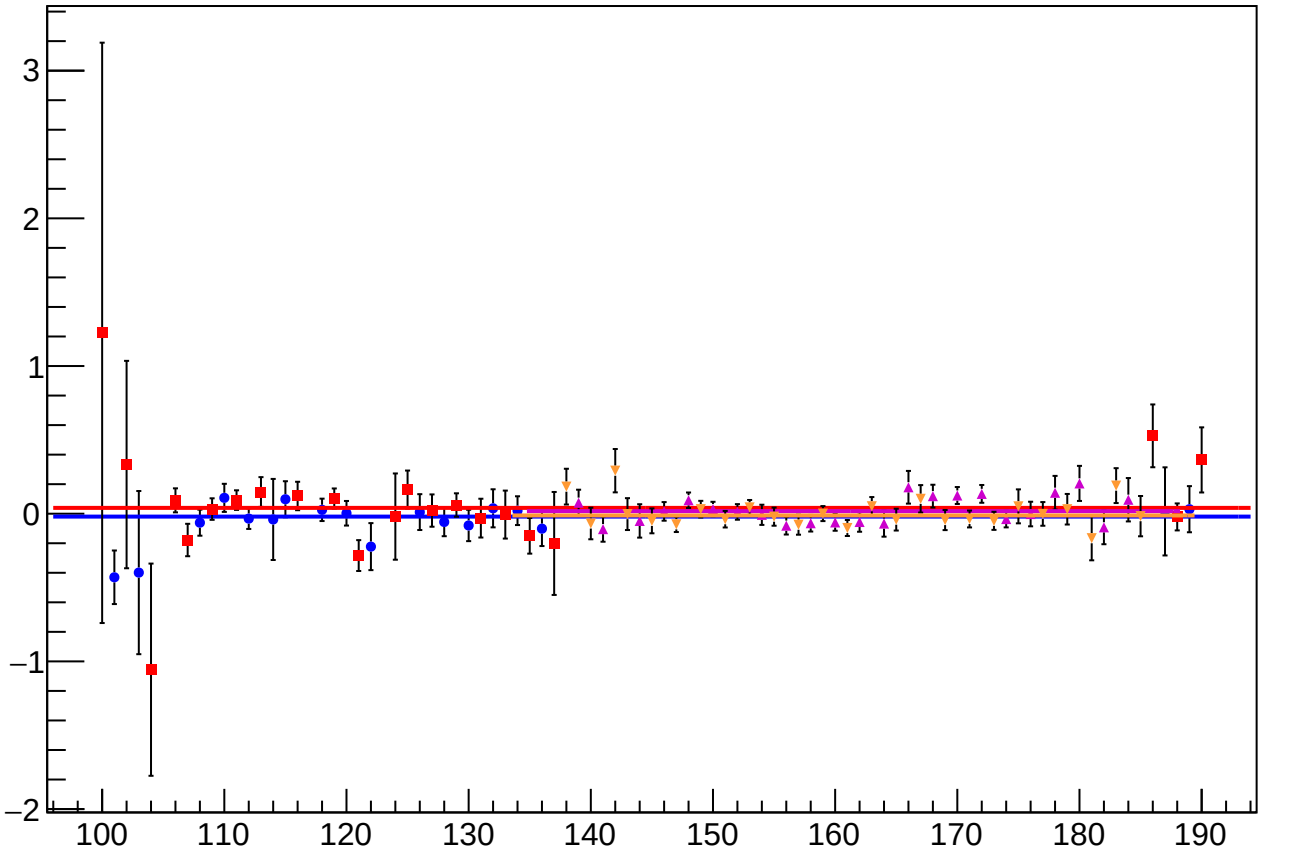
Left In: -0.000+/-0.000 χ^2/NDF:17.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.9/42

All: -0.000+/-0.000 χ^2/NDF: 103.8/87

- sign 0.000+/-0.000 χ^2/NDF: 46.8/44


asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs Slug
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: 3594355.8/17
Left Out: 0.002+/-0.000 χ²/NDF:4161142.1/24
Right Out: 0.003+/-0.000 χ²/NDF: 4110061.6/21
Left In: 0.002+/-0.000 χ²/NDF:4521223.3/22
+ sign 0.002+/-0.000 χ²/NDF: 8198568.7/42
All: 0.002+/-0.000 χ²/NDF: 17602553.0/87
- sign 0.002+/-0.000 χ²/NDF: 9194952.6/44



Right In: -0.020+/-0.026 χ^2/NDF: 12.1/17

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

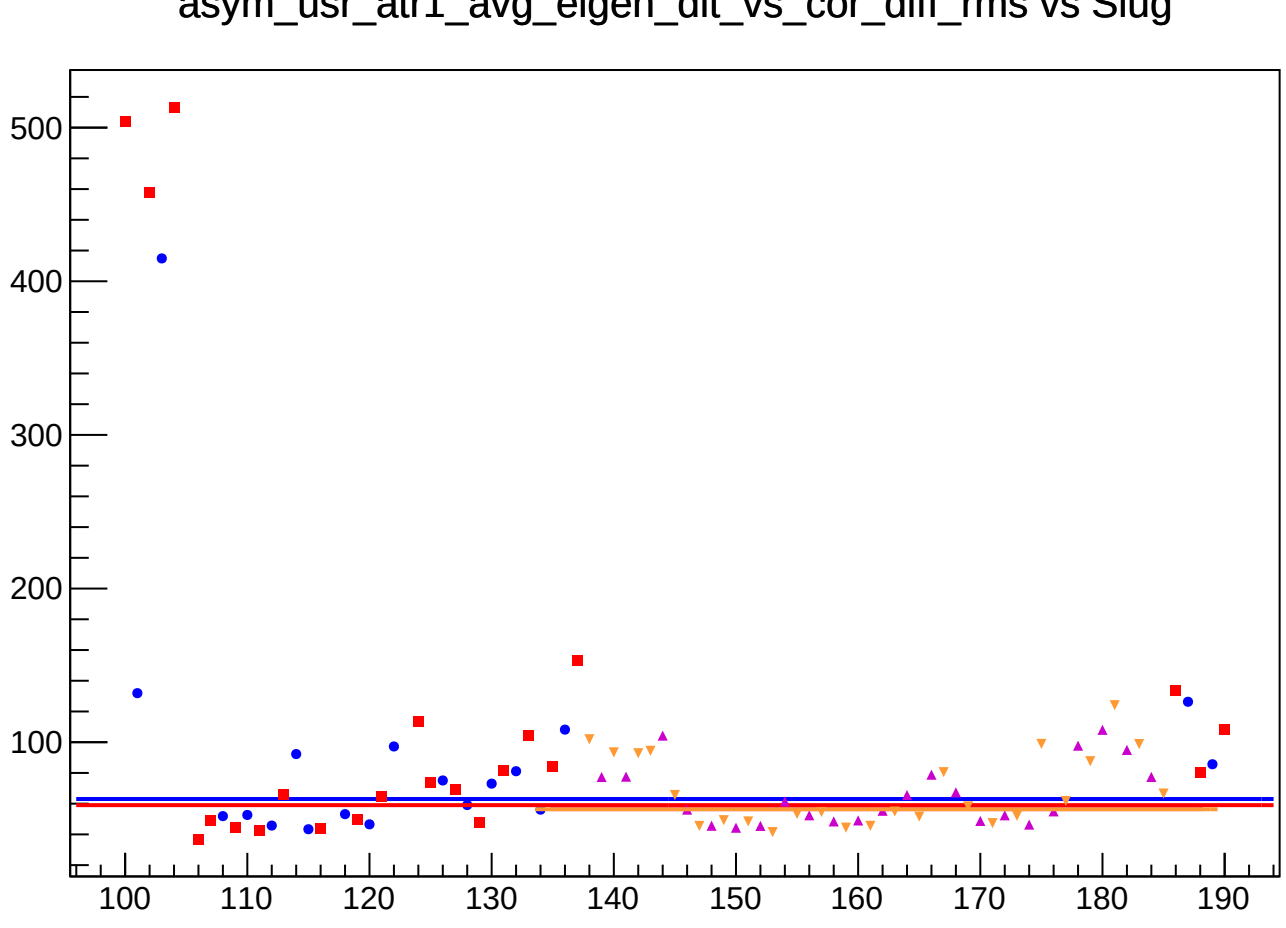
Right Out: 0.039+/-0.023 χ^2/NDF: 32.3/21

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: 102.0/87

- sign 0.023+/-0.012 χ^2/NDF: 63.6/44



Right In: 63.031+/-0.018 χ^2/NDF: 2073653.6/17

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

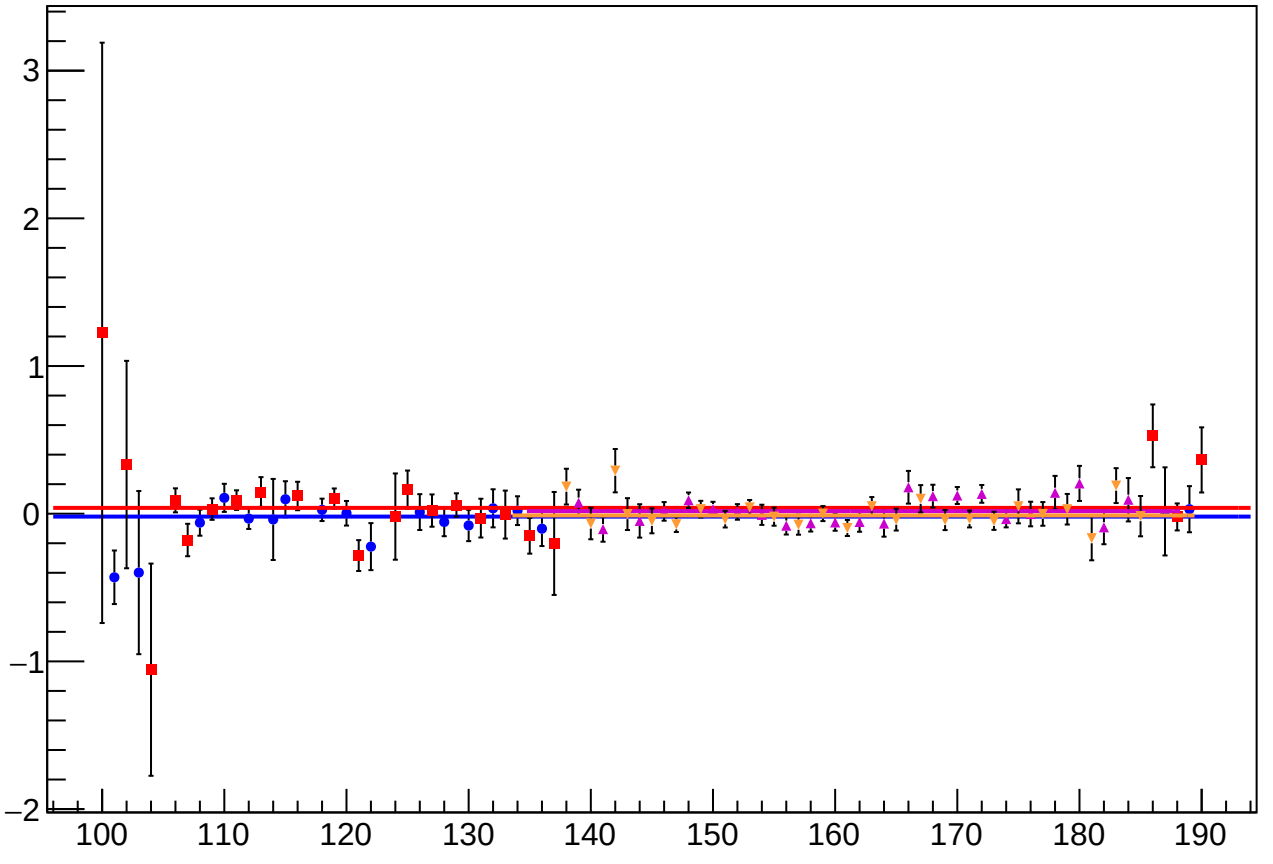
Right Out: 59.034+/-0.017 χ^2/NDF: 3080247.0/21

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

+ sign 57.915+/-0.009 χ^2/NDF: 4971161.6/42

All: 57.539+/-0.006 χ^2/NDF: 10212346.0/87

- sign 57.176+/-0.009 χ^2/NDF: 5237650.0/44



Right In: -0.020+/-0.026 χ^2/NDF: 12.1/17

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

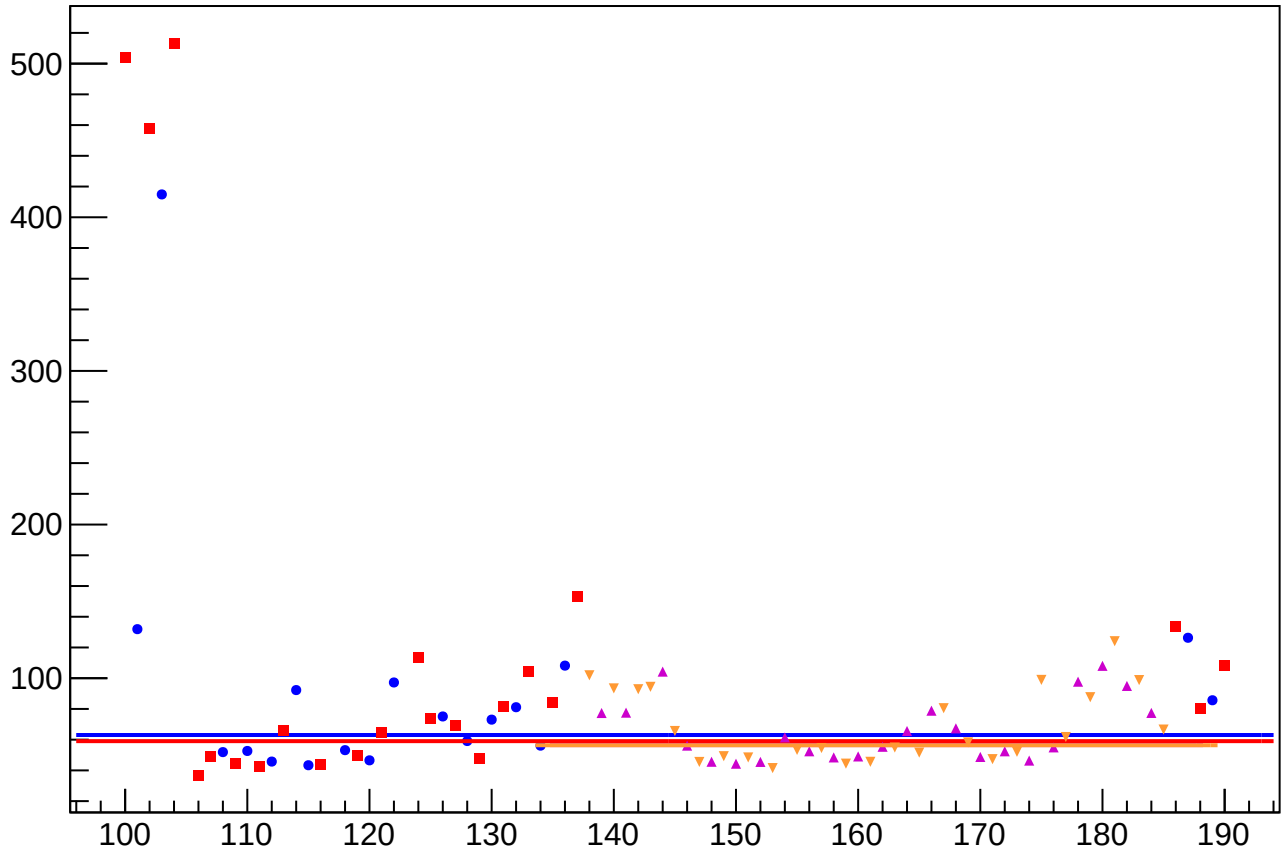
Right Out: 0.039+/-0.023 χ^2/NDF: 32.3/21

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: 102.0/87

- sign 0.023+/-0.012 χ^2/NDF: 63.6/44



Right In: 63.031+/-0.018 χ^2/NDF: 2073653.6/17

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

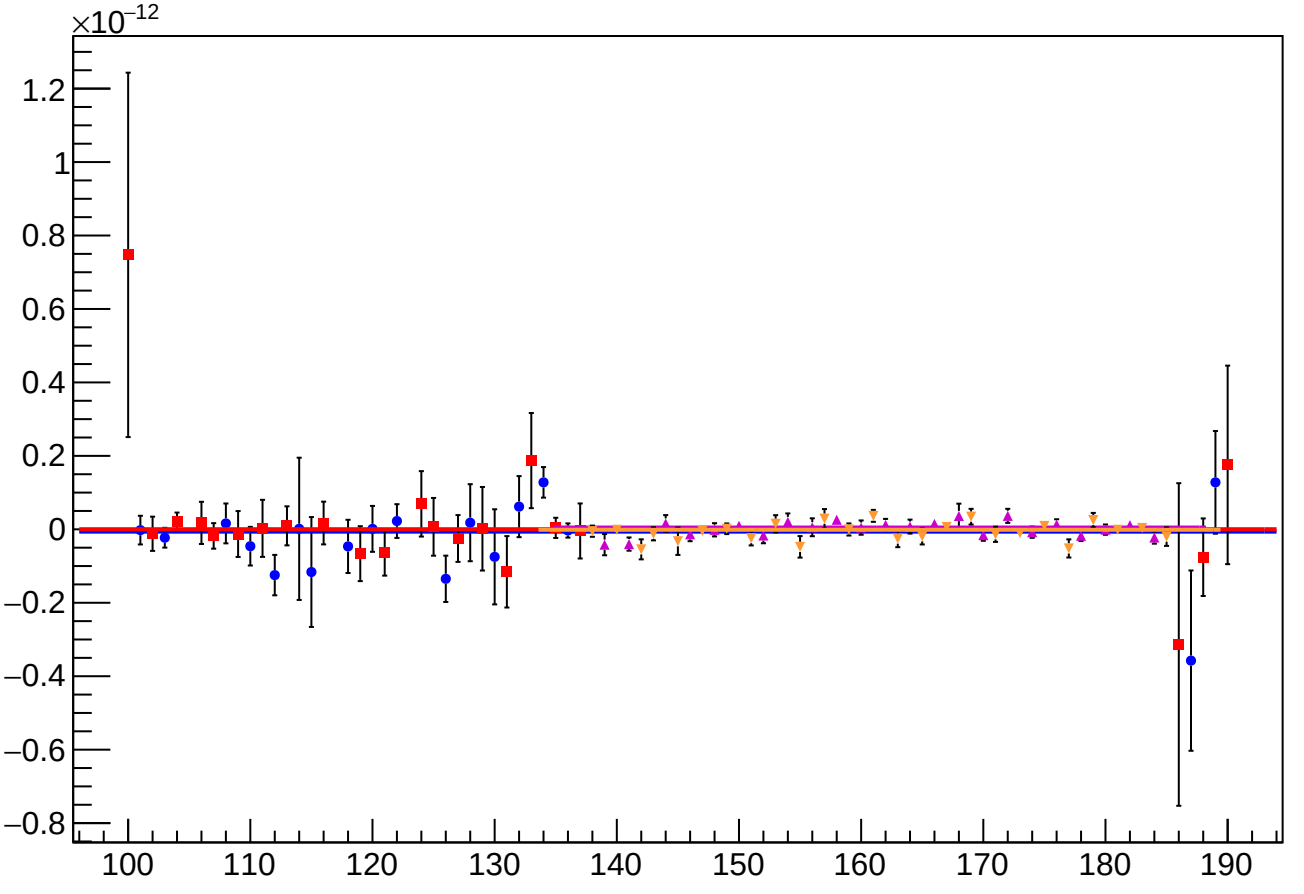
Right Out: 59.034+/-0.017 χ^2/NDF: 3080247.0/21

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

+ sign 57.915+/-0.009 χ^2/NDF: 4971161.6/42

All: 57.539+/-0.006 χ^2/NDF: 10212346.0/87

- sign 57.176+/-0.009 χ^2/NDF: 5237650.0/44



Right In: -0.000+/-0.000 χ^2/NDF: 25.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:29.6/24

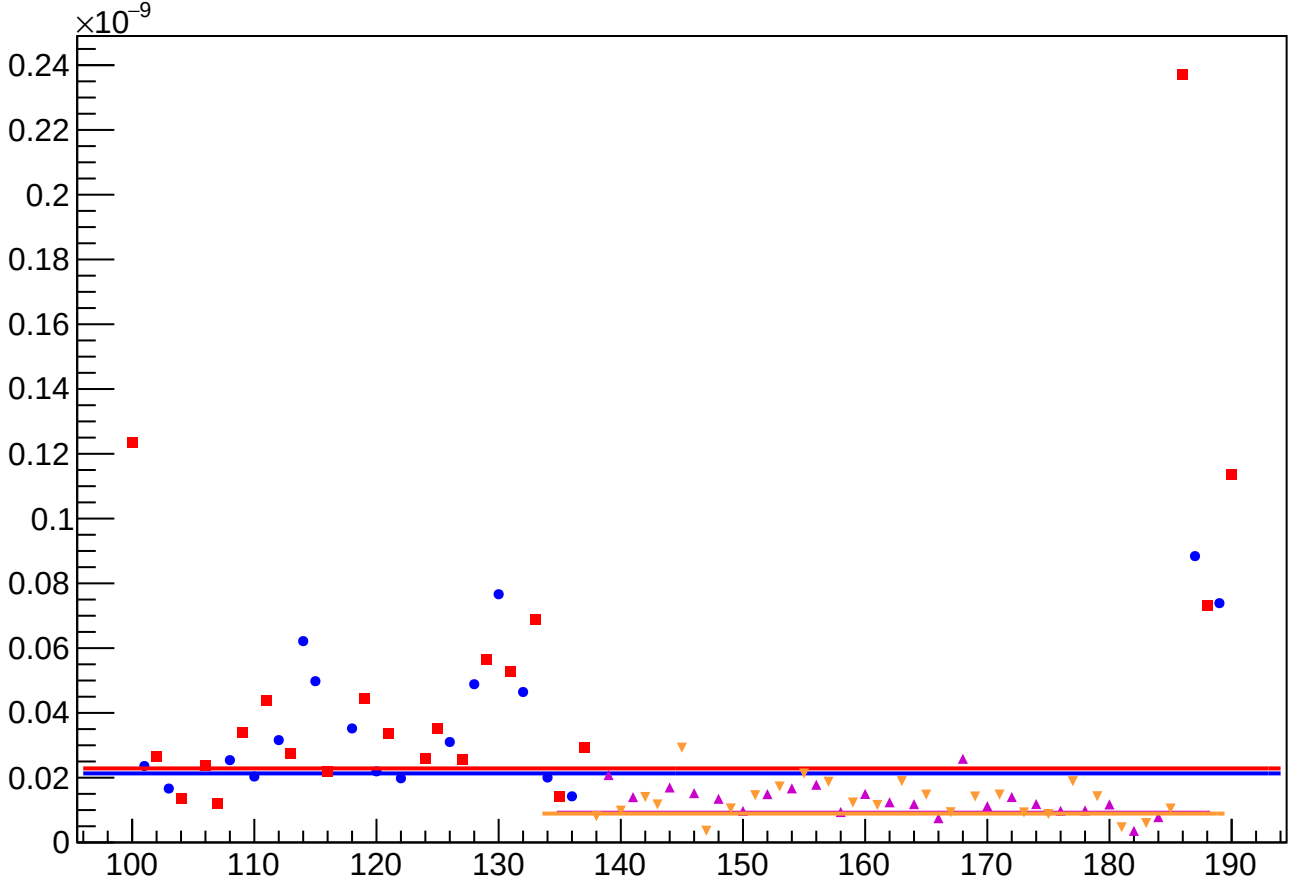
Right Out: 0.000+/-0.000 χ^2/NDF: 11.2/21

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: 97.4/87

- sign 0.000+/-0.000 χ^2/NDF: 39.7/44



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: 3075124.8/21

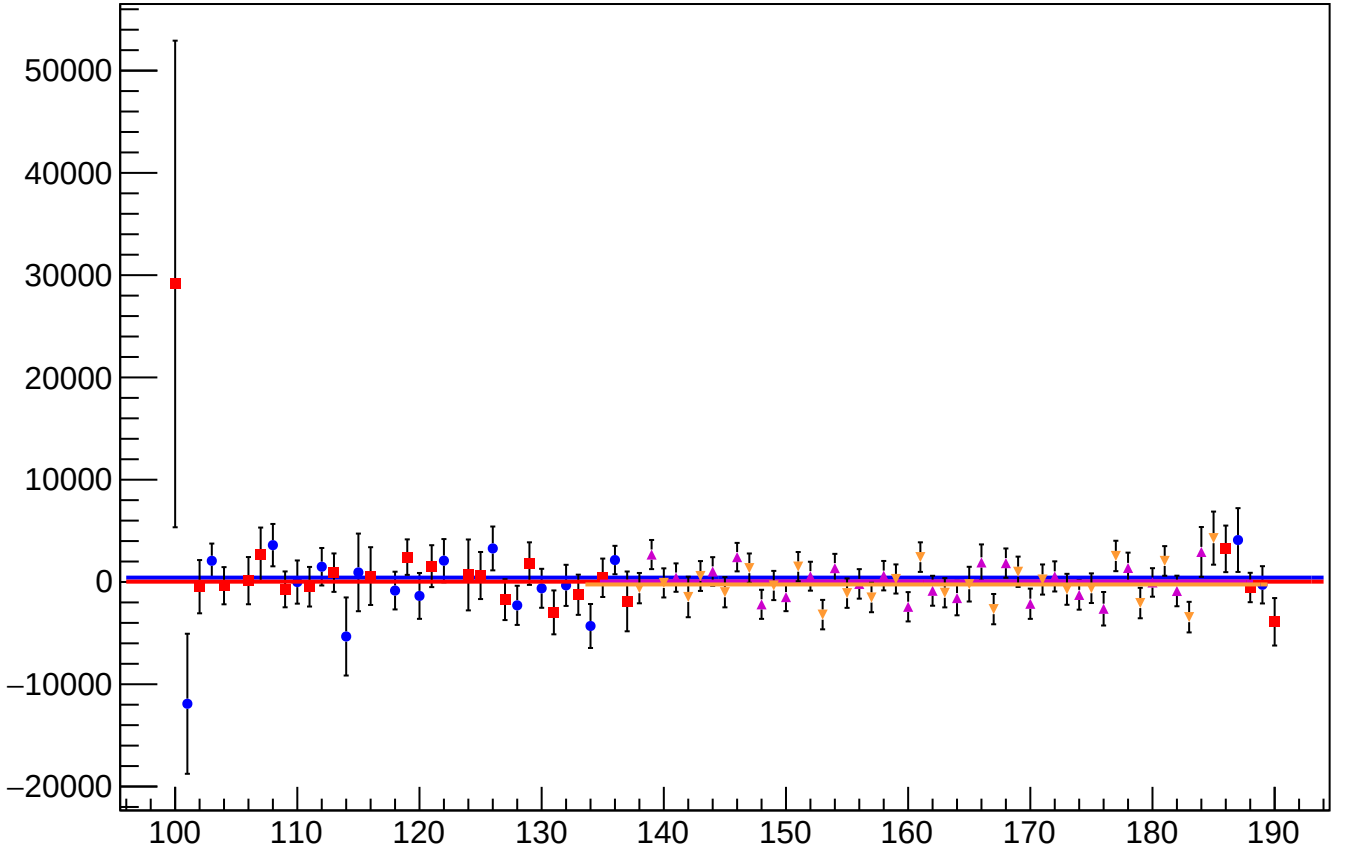
Left In: 0.000+/-0.000 χ^2/NDF:5079391.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 9156182.3/42

All: 0.000+/-0.000 χ^2/NDF: 19843800.8/87

- sign 0.000+/-0.000 χ^2/NDF: 10675211.1/44

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: 30.976+/-454.203 χ^2/NDF: 15.0/21

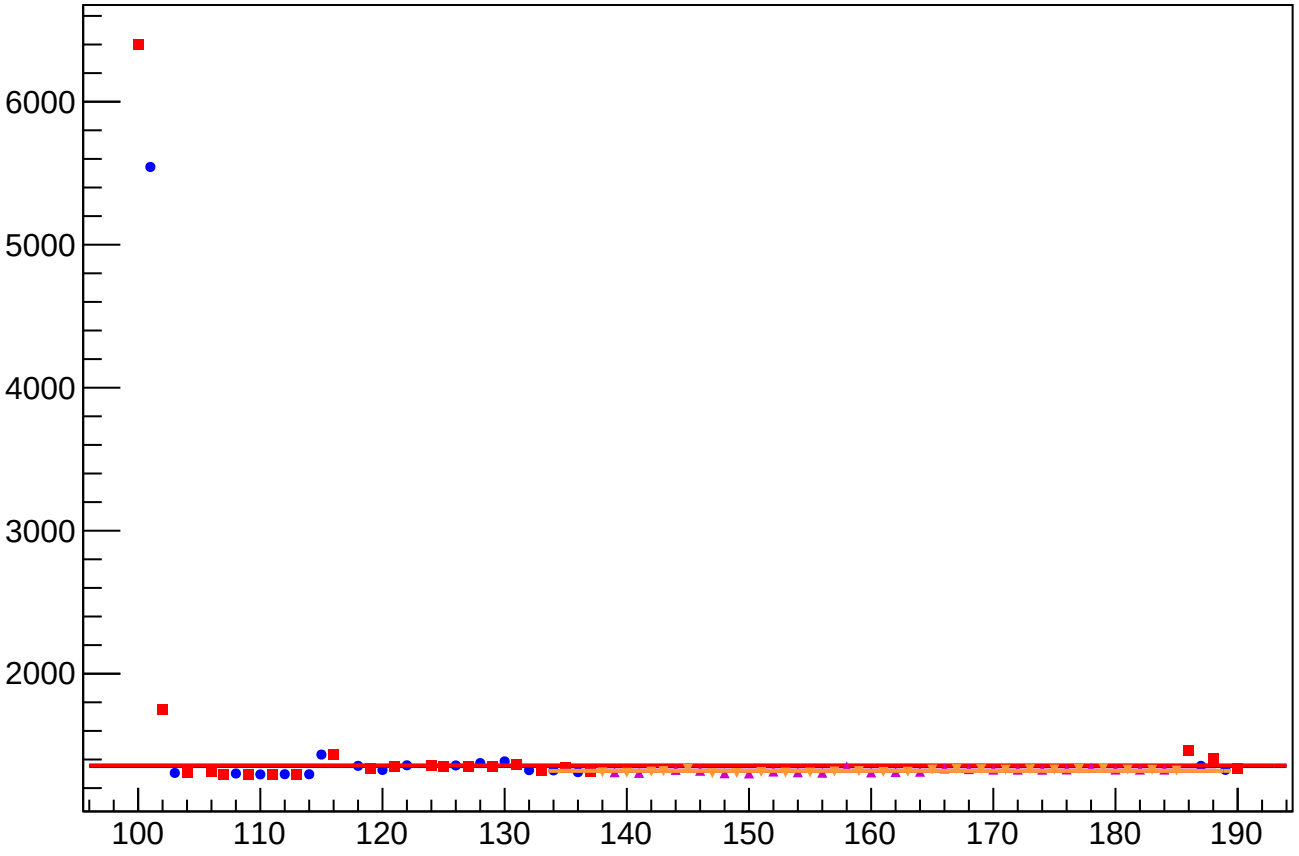
Left In: 39.122+/-308.622 χ^2/NDF:27.1/22

+ sign -60.075+/-256.120 χ^2/NDF: 56.1/42

All: -11.602+/-180.803 χ^2/NDF: 98.3/87

- sign 36.549+/-255.269 χ^2/NDF: 42.1/44

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: 1358.854+/-0.321 χ^2/NDF: 154759.9/21

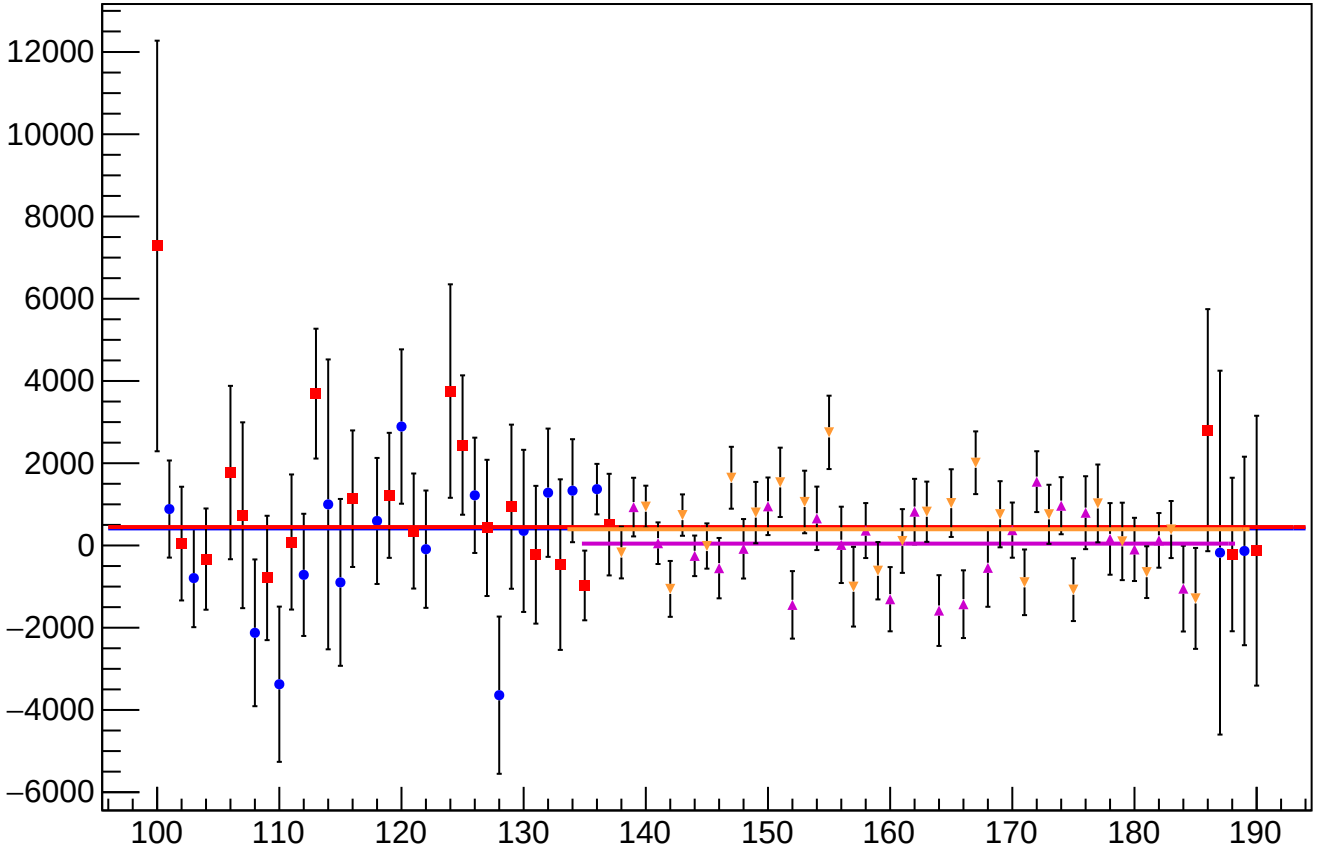
Left In: 1321.782+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.830+/-0.181 χ^2/NDF: 770110.1/42

All: 1331.667+/-0.128 χ^2/NDF: 937743.1/87

- sign 1333.492+/-0.181 χ^2/NDF: 167427.9/44

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: 447.965+/-344.955 χ^2/NDF: 15.2/21

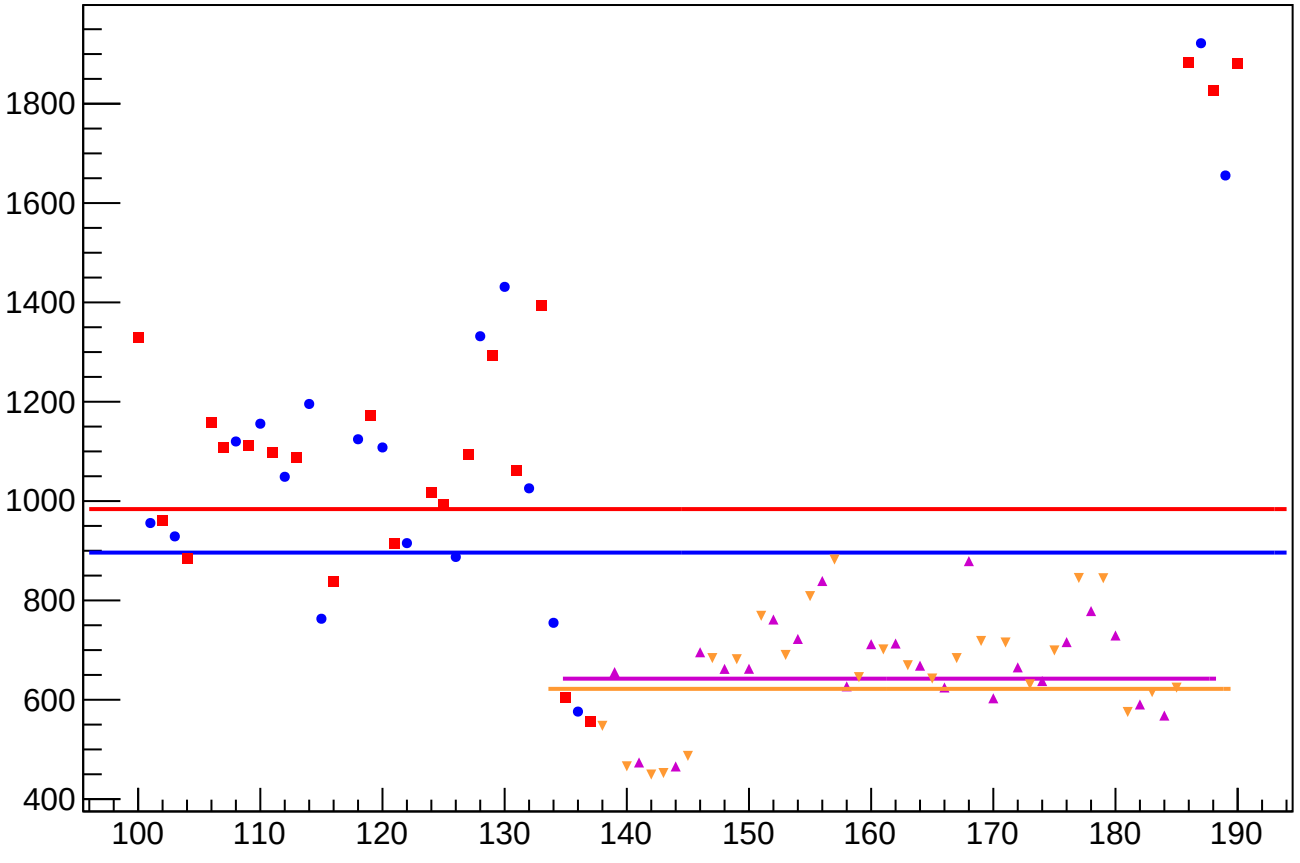
Left In: 44.777+/-152.333 χ^2/NDF:27.6/22

\+ sign 397.771+/-132.660 χ^2/NDF: 60.2/42

All: 261.231+/-96.083 χ^2/NDF: 106.3/87

\- sign 110.573+/-139.350 χ^2/NDF: 43.9/44

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: 983.887+/-0.244 χ^2/NDF: 1650419.0/21

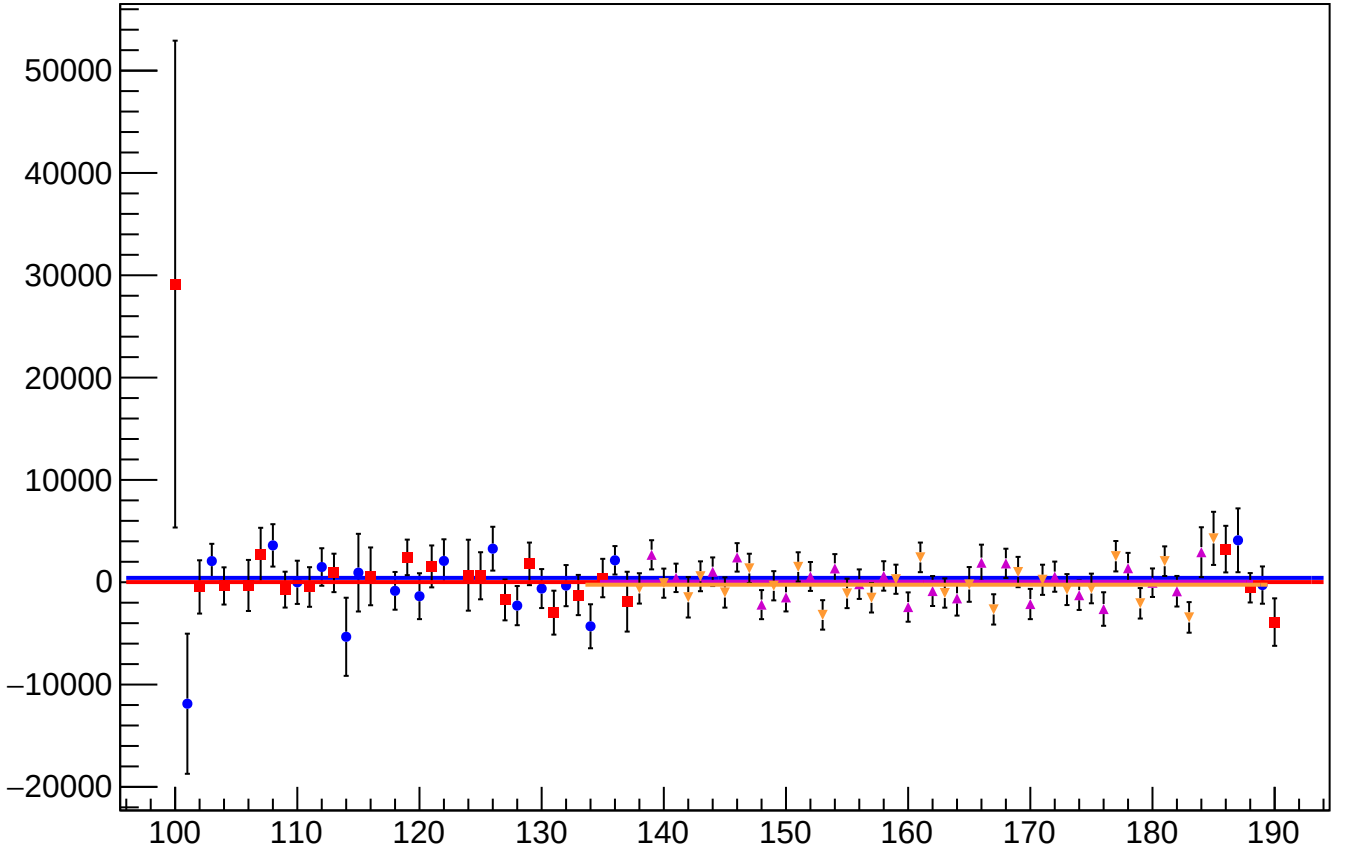
Left In: 642.470+/-0.108 χ^2/NDF:926330.5/22

+ sign 665.262+/-0.094 χ^2/NDF: 3871258.0/42

All: 680.914+/-0.068 χ^2/NDF: 8146034.1/87

- sign 698.185+/-0.099 χ^2/NDF: 4216211.5/44

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: 15.928+/-455.476 χ^2/NDF: 15.0/21

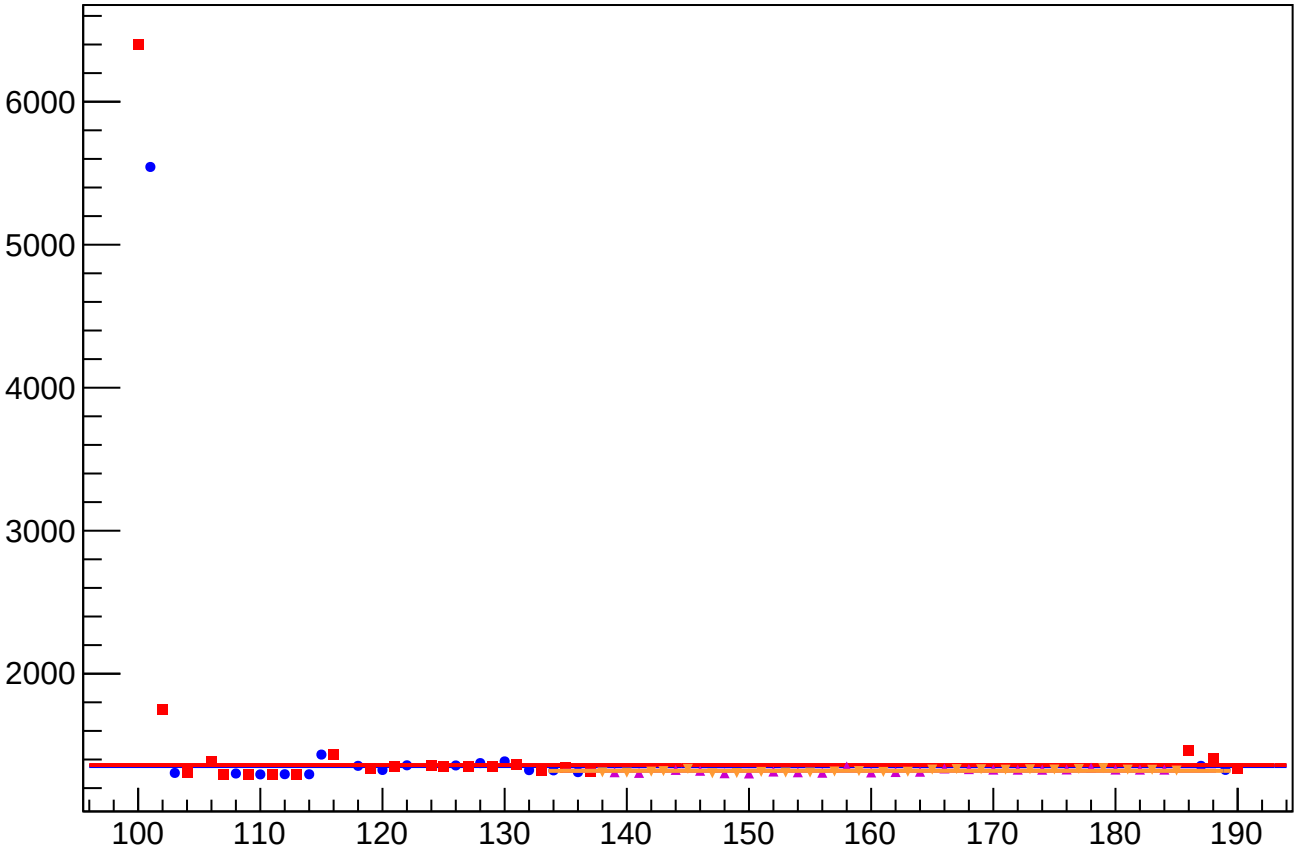
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign -60.004+/-256.120 χ^2/NDF: 56.1/42

All: -13.953+/-180.883 χ^2/NDF: 98.3/87

- sign 31.873+/-255.494 χ^2/NDF: 42.1/44

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: 1361.461+/-0.322 χ^2/NDF: 154340.4/21

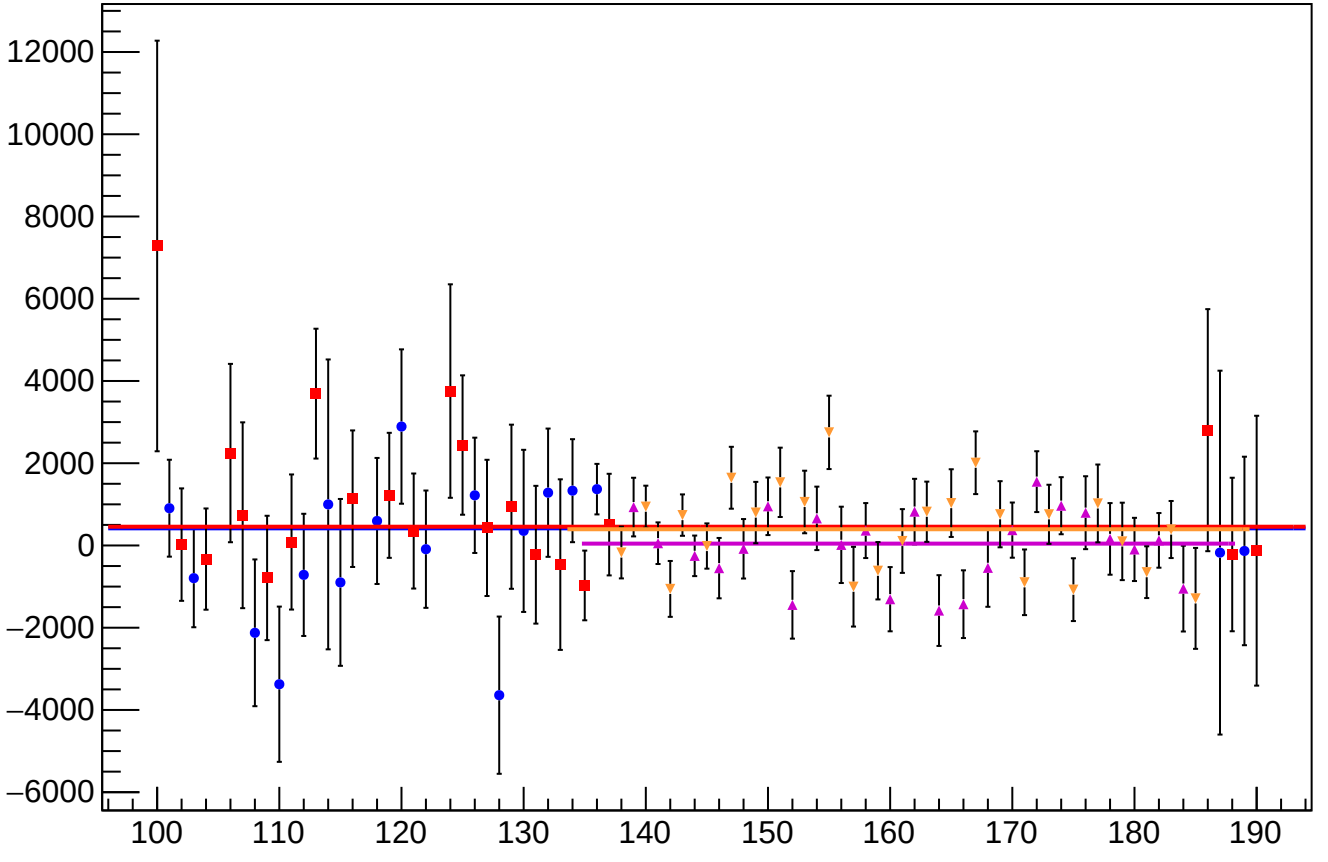
Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.830+/-0.181 χ^2/NDF: 770109.1/42

All: 1332.054+/-0.128 χ^2/NDF: 938705.8/87

- sign 1334.268+/-0.181 χ^2/NDF: 168295.8/44

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: 455.945+/-344.960 χ^2/NDF: 15.5/21

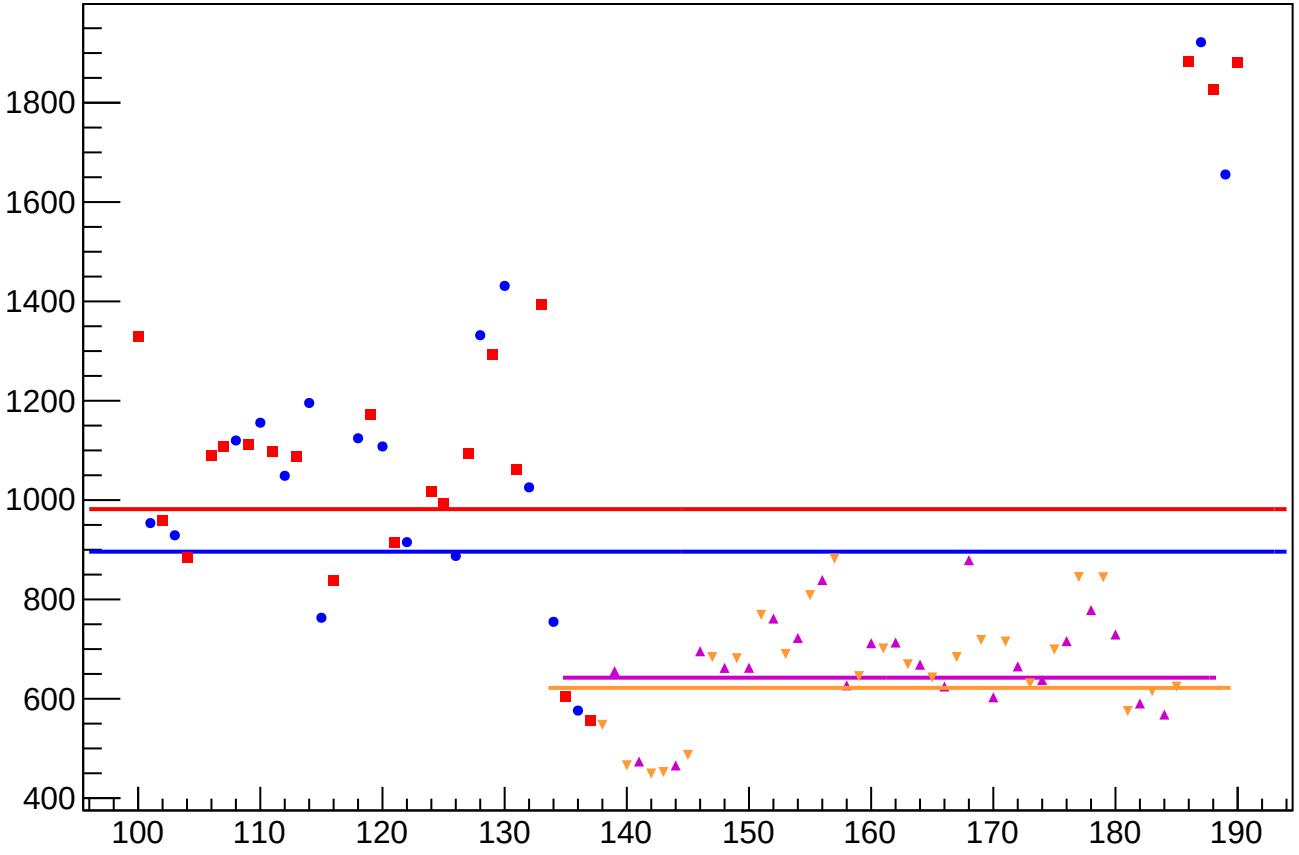
Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

\+ sign 398.022+/-132.657 χ^2/NDF: 60.2/42

All: 261.979+/-96.081 χ^2/NDF: 106.7/87

\- sign 111.864+/-139.349 χ^2/NDF: 44.3/44

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: 981.790+/-0.244 χ^2/NDF: 1641690.7/21

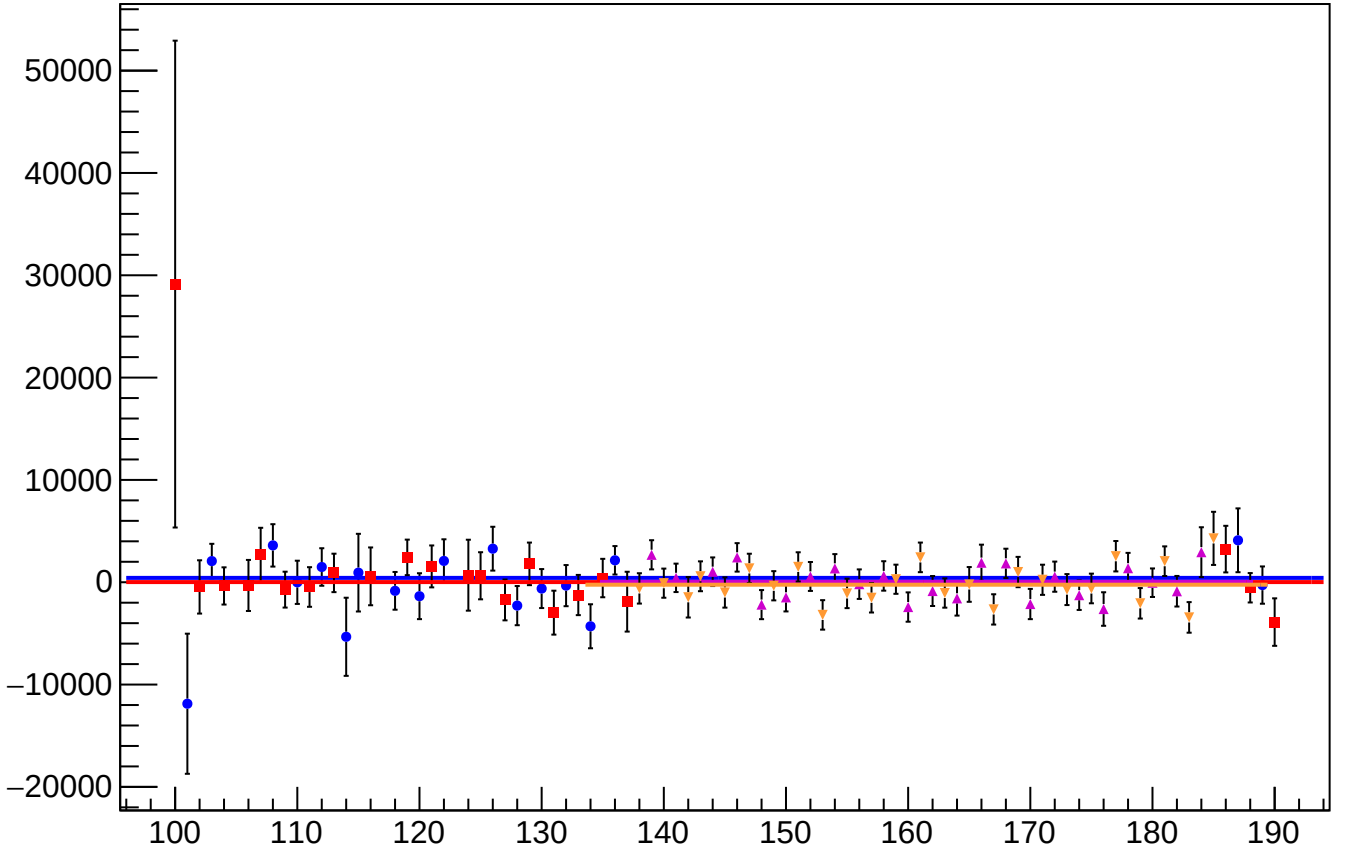
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

+ sign 665.253+/-0.094 χ^2/NDF: 3870039.6/42

All: 680.744+/-0.068 χ^2/NDF: 8114874.4/87

- sign 697.837+/-0.099 χ^2/NDF: 4187469.1/44

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: 15.928+/-455.476 χ^2/NDF: 15.0/21

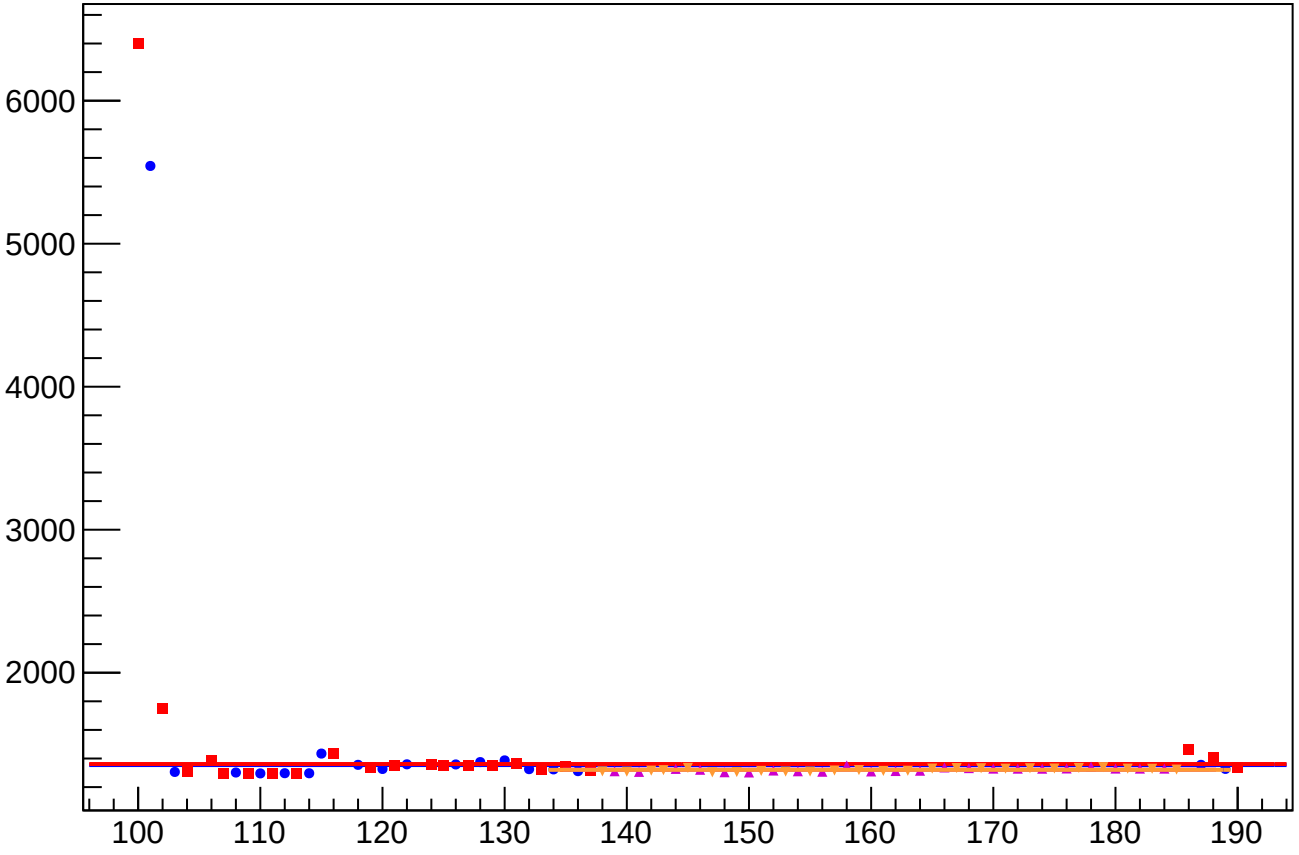
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign -60.004+/-256.120 χ^2/NDF: 56.1/42

All: -13.953+/-180.883 χ^2/NDF: 98.3/87

- sign 31.873+/-255.494 χ^2/NDF: 42.1/44

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

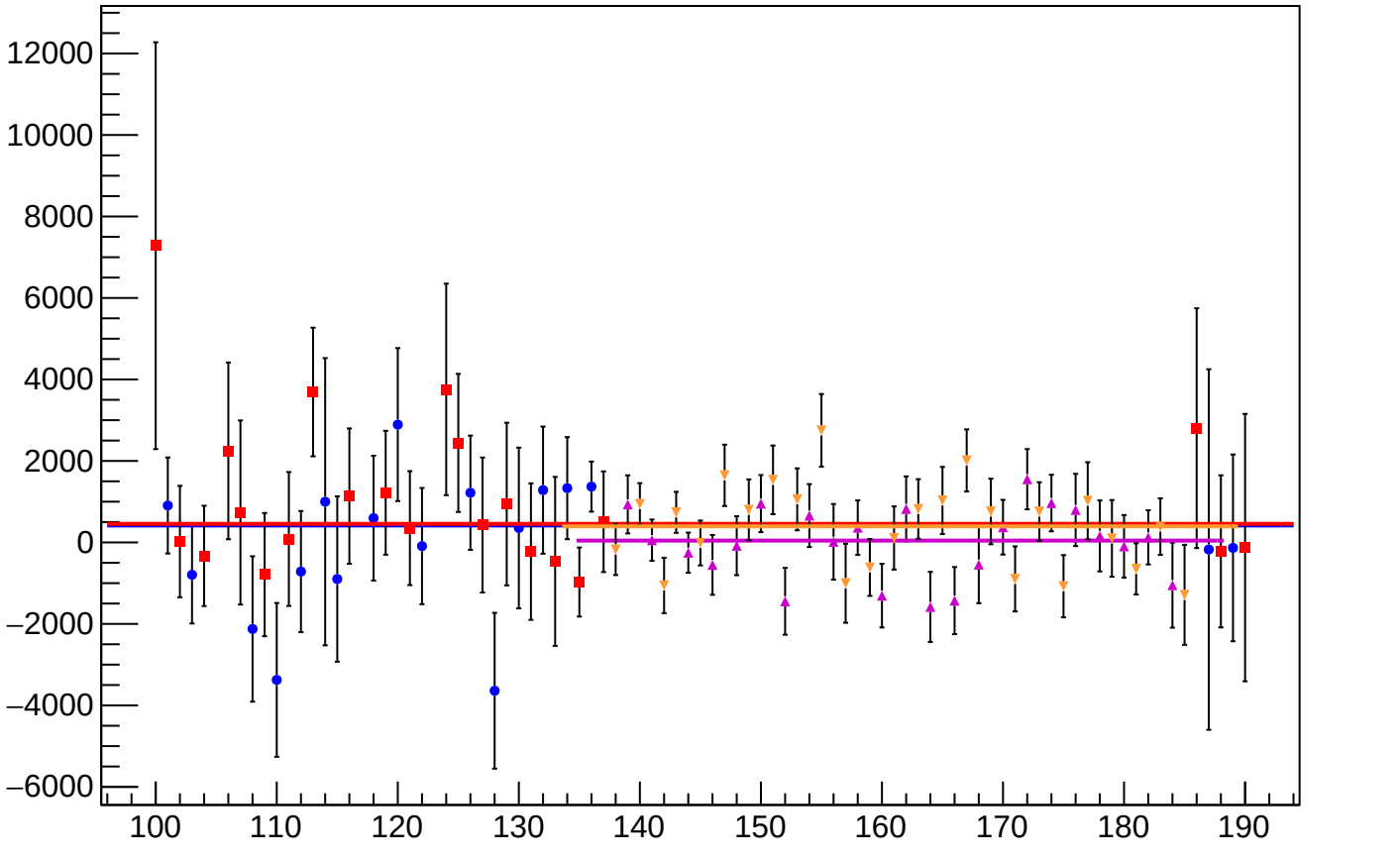
Right Out: 1361.461+/-0.322 χ^2/NDF: 154340.4/21

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.830+/-0.181 χ^2/NDF: 770109.1/42

All: 1332.054+/-0.128 χ^2/NDF: 938705.8/87

- sign 1334.268+/-0.181 χ^2/NDF: 168295.8/44



Right In: 416.686+/-333.819 χ^2/NDF: 18.3/17

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

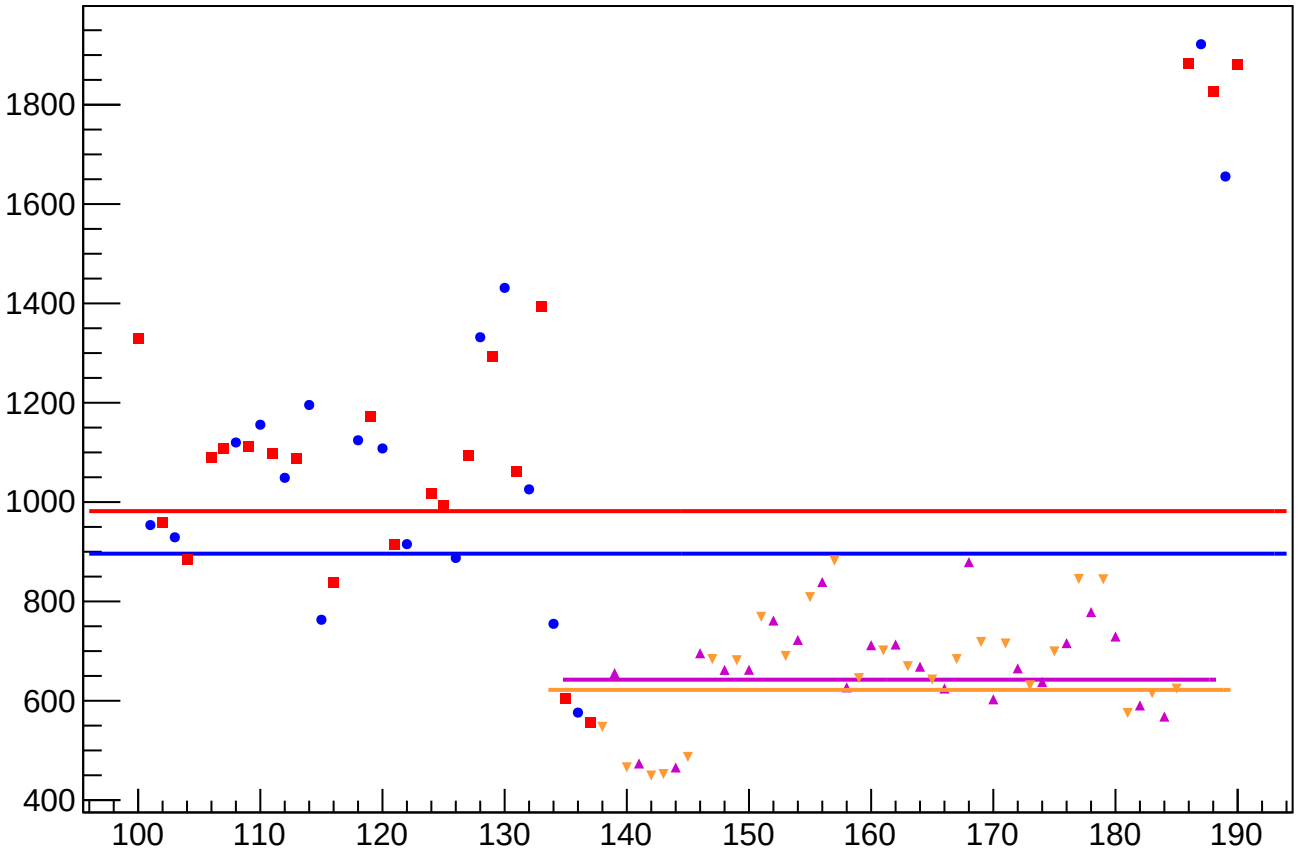
Right Out: 455.945+/-344.960 χ^2/NDF: 15.5/21

Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

\+ sign 398.022+/-132.657 χ^2/NDF: 60.2/42

All: 261.979+/-96.081 χ^2/NDF: 106.7/87

\- sign 111.864+/-139.349 χ^2/NDF: 44.3/44



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: 981.790+/-0.244 χ^2/NDF: 1641690.7/21

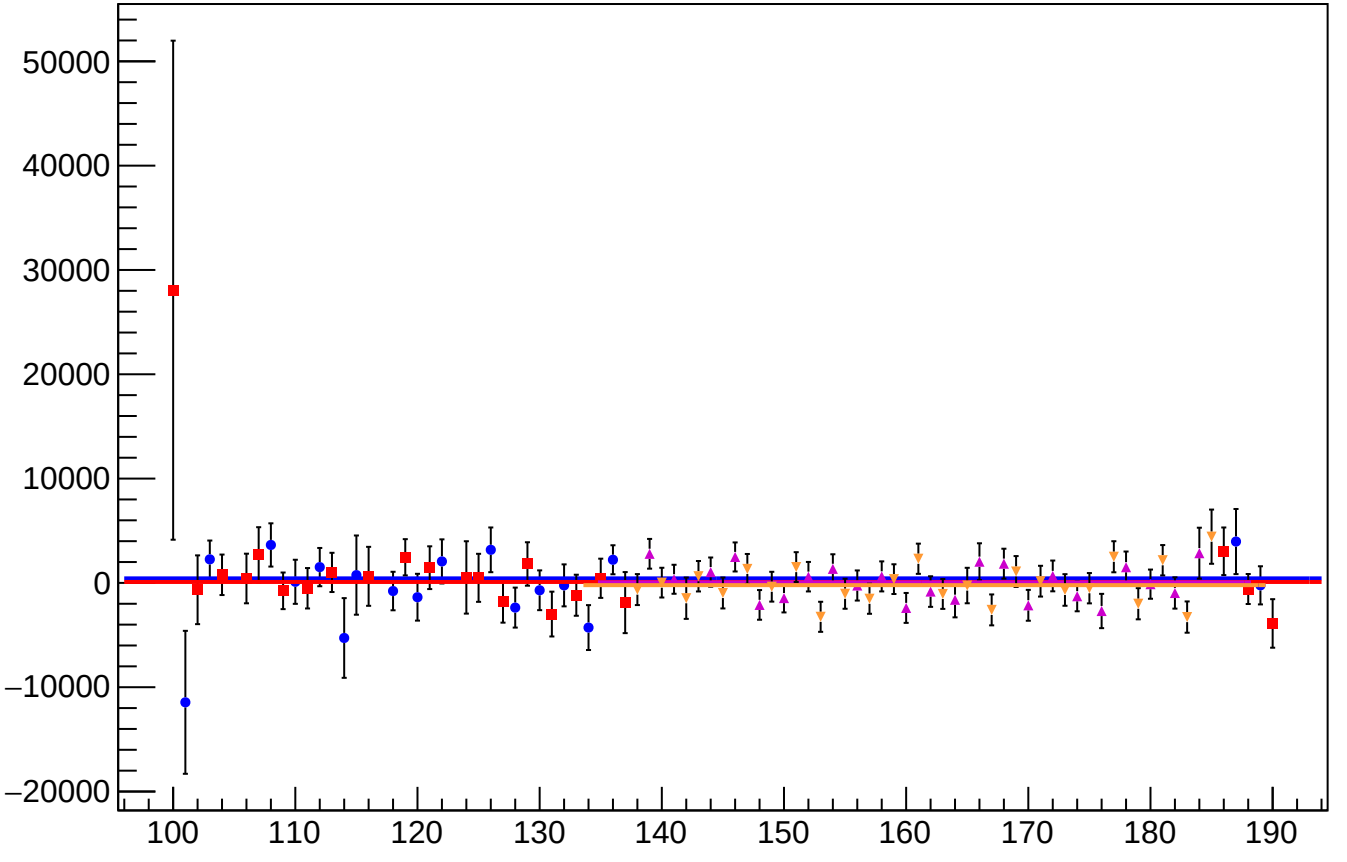
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

+ sign 665.253+/-0.094 χ^2/NDF: 3870039.6/42

All: 680.744+/-0.068 χ^2/NDF: 8114874.4/87

- sign 697.837+/-0.099 χ^2/NDF: 4187469.1/44

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: 89.986+/-459.490 χ^2/NDF: 14.8/21

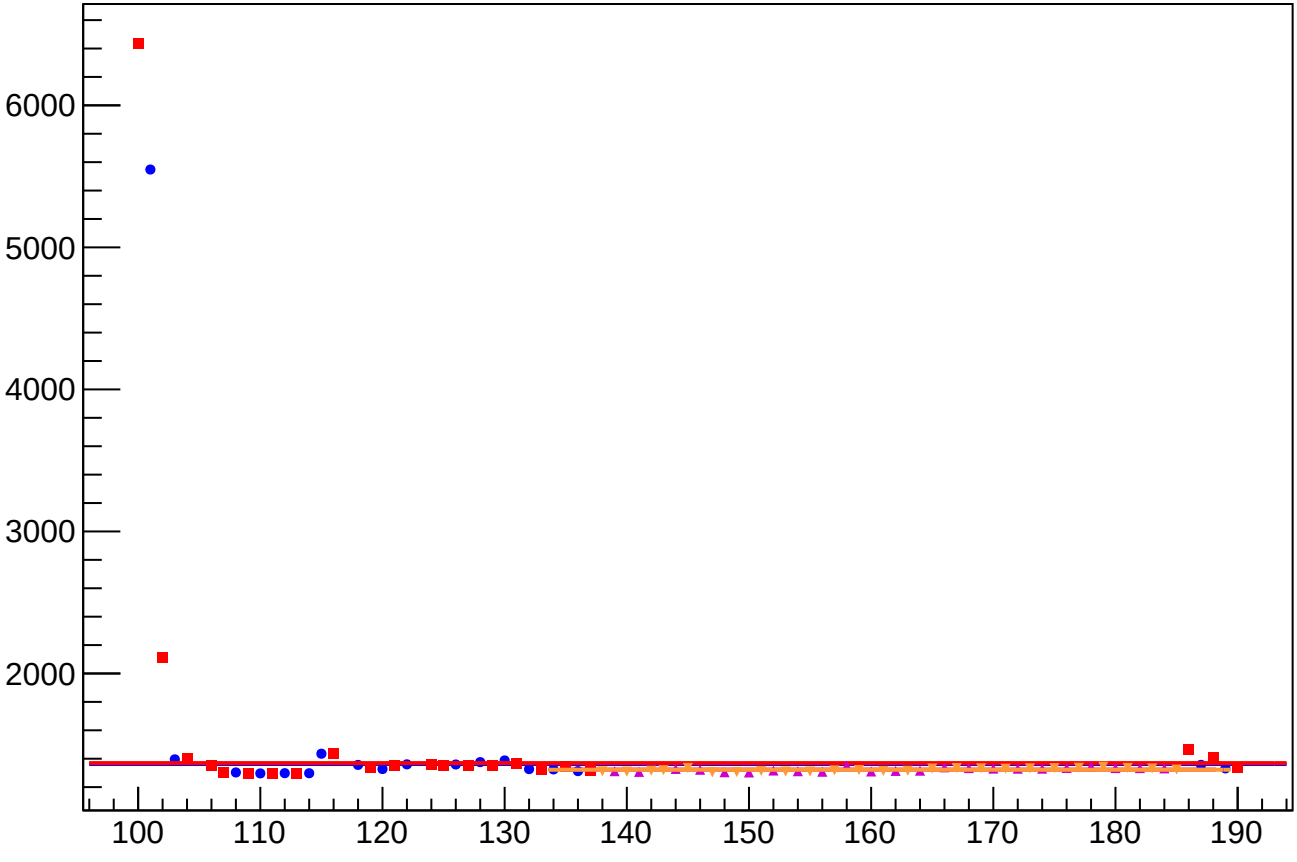
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign -40.251+/-256.776 χ^2/NDF: 55.3/42

All: 11.259+/-181.437 χ^2/NDF: 98.1/87

- sign 62.619+/-256.405 χ^2/NDF: 42.7/44

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: 1369.120+/-0.325 χ^2/NDF: 211427.9/21

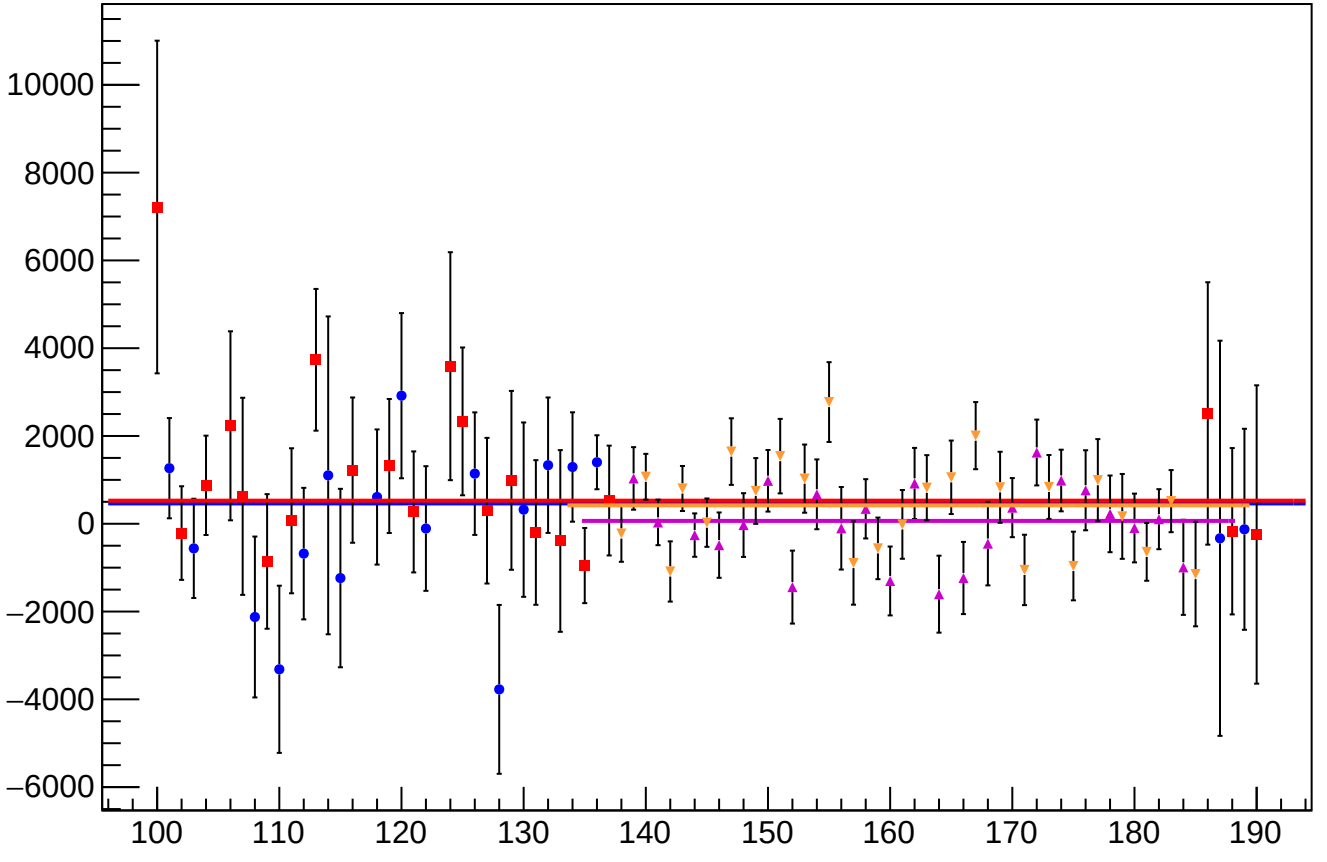
Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1333.211+/-0.182 χ^2/NDF: 772179.6/42

All: 1335.405+/-0.128 χ^2/NDF: 1001428.0/87

- sign 1337.593+/-0.181 χ^2/NDF: 228956.8/44

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: 525.967+/-336.624 χ^2/NDF: 16.3/21

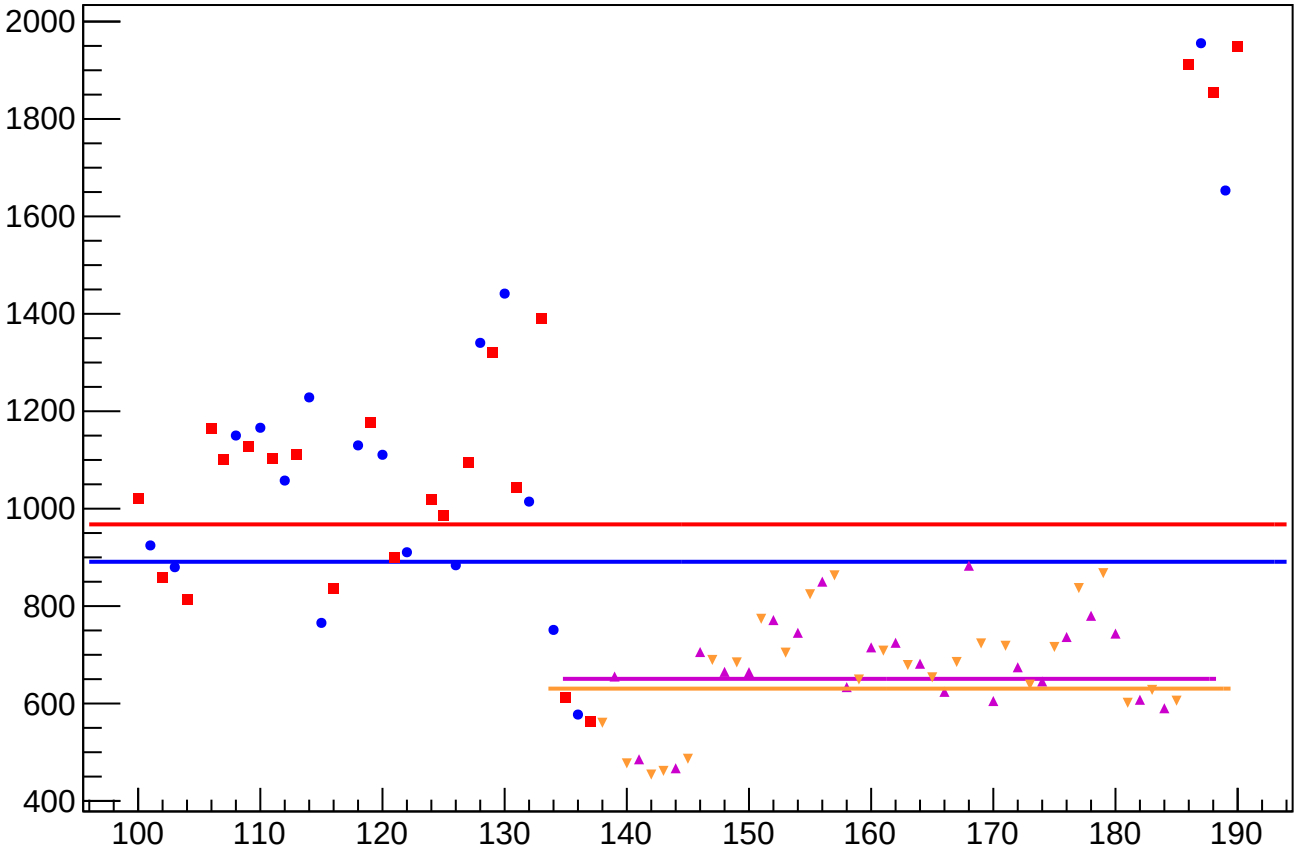
Left In: 65.405+/-154.224 χ^2/NDF:27.0/22

+ sign 426.957+/-133.984 χ^2/NDF: 60.3/42

All: 292.523+/-96.867 χ^2/NDF: 107.2/87

- sign 145.307+/-140.210 χ^2/NDF: 44.8/44

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: 967.749+/-0.238 χ^2/NDF: 1708355.8/21

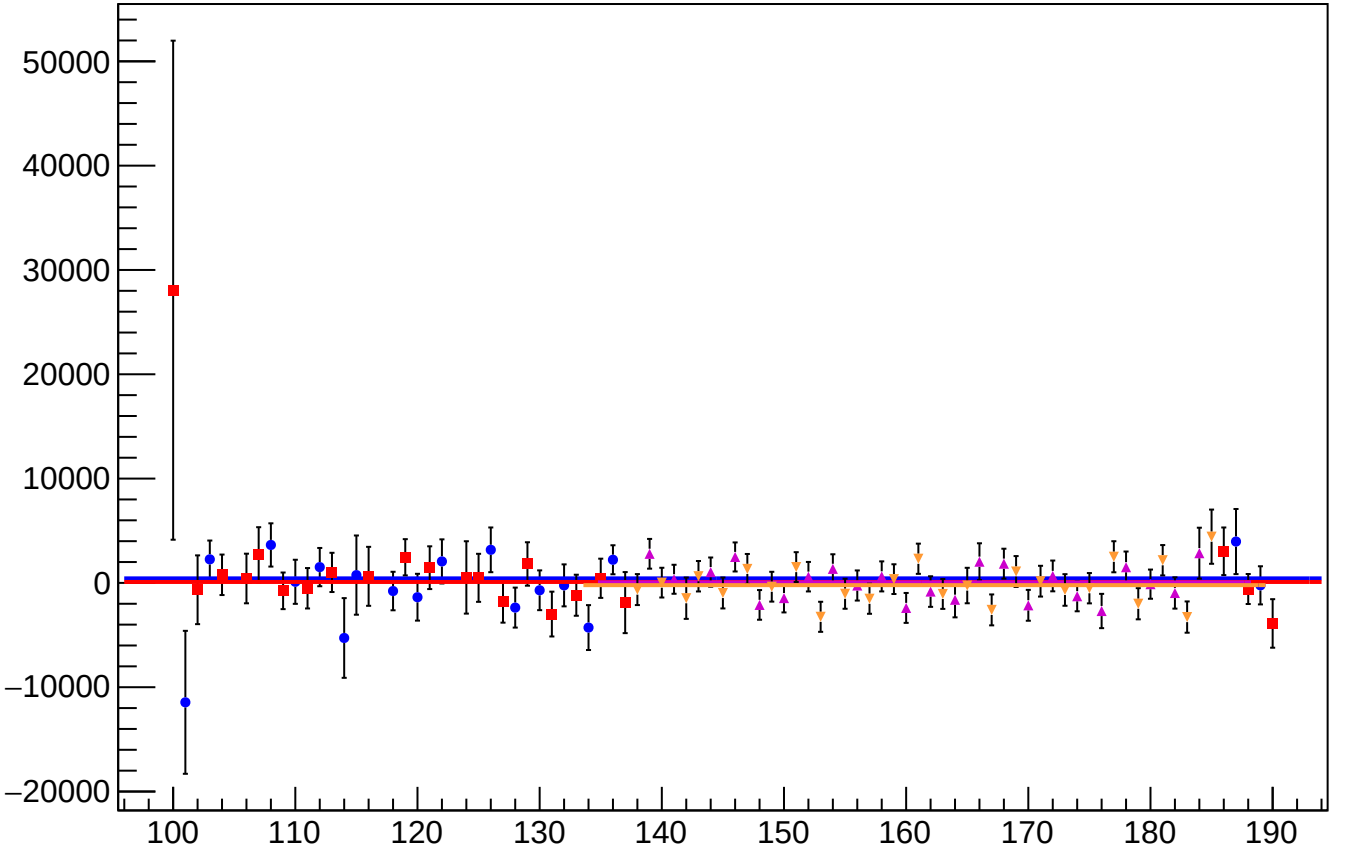
Left In: 650.637+/-0.109 χ^2/NDF:922078.1/22

+ sign 672.991+/-0.095 χ^2/NDF: 3721915.7/42

All: 688.580+/-0.068 χ^2/NDF: 7876022.6/87

- sign 705.651+/-0.099 χ^2/NDF: 4097383.0/44

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: 89.985+/-459.490 χ^2/NDF: 14.8/21

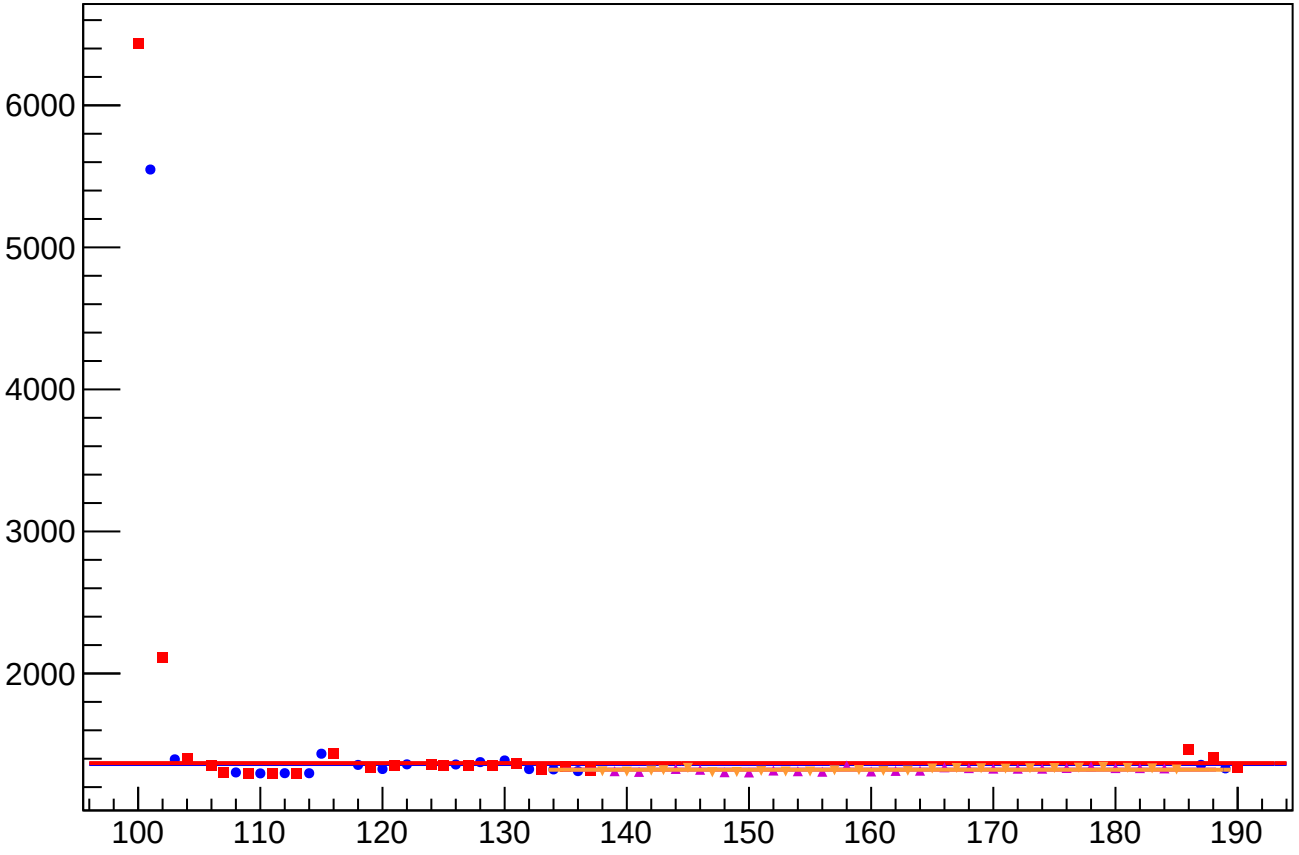
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign -40.251+/-256.776 χ^2/NDF: 55.3/42

All: 11.258+/-181.437 χ^2/NDF: 98.1/87

- sign 62.619+/-256.405 χ^2/NDF: 42.7/44

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

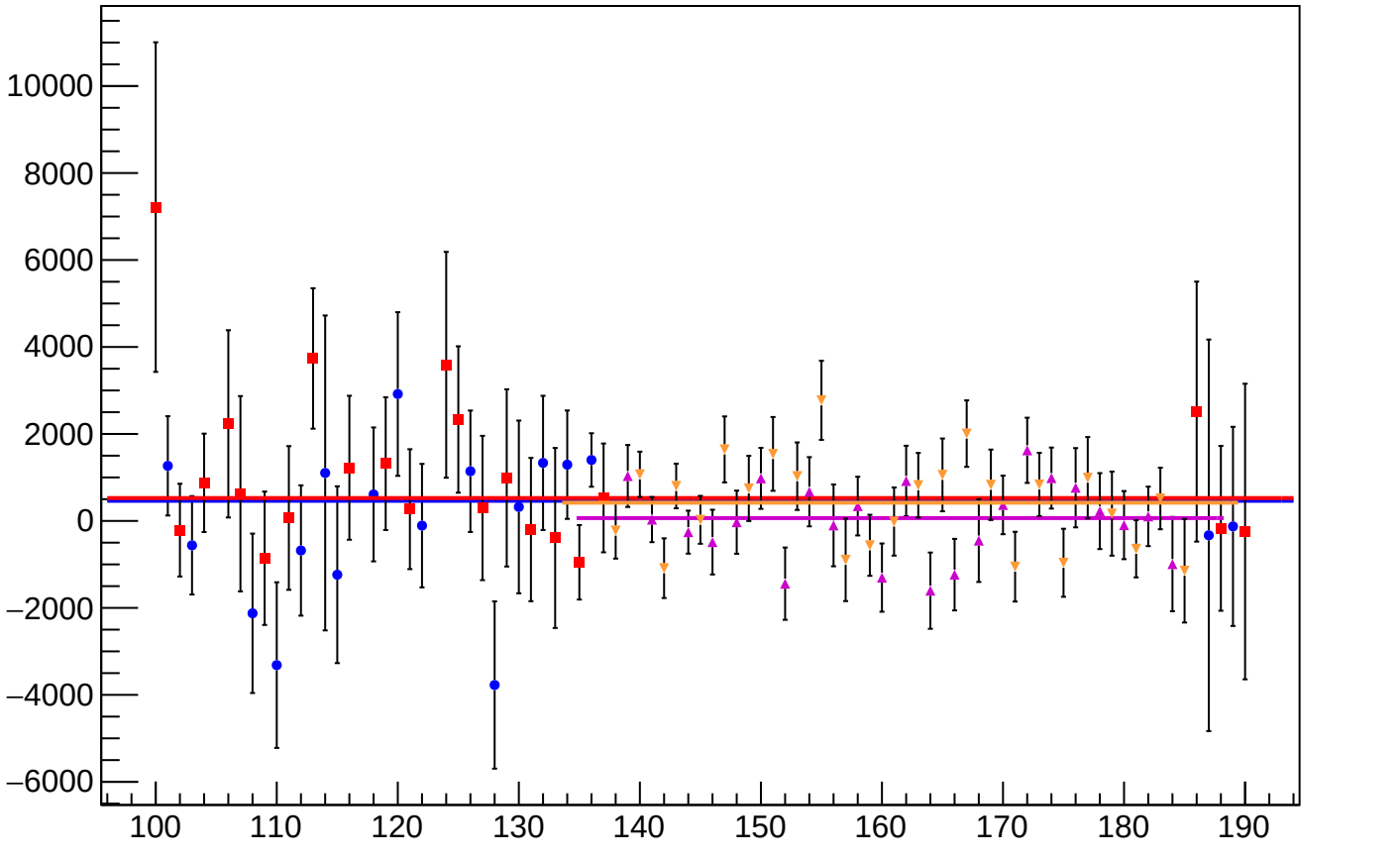
Right Out: 1369.120+/-0.325 χ^2/NDF: 211427.9/21

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1333.211+/-0.182 χ^2/NDF: 772179.6/42

All: 1335.405+/-0.128 χ^2/NDF: 1001427.9/87

- sign 1337.593+/-0.181 χ^2/NDF: 228956.7/44



Right In: 463.242+/-332.037 χ^2/NDF: 18.7/17

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

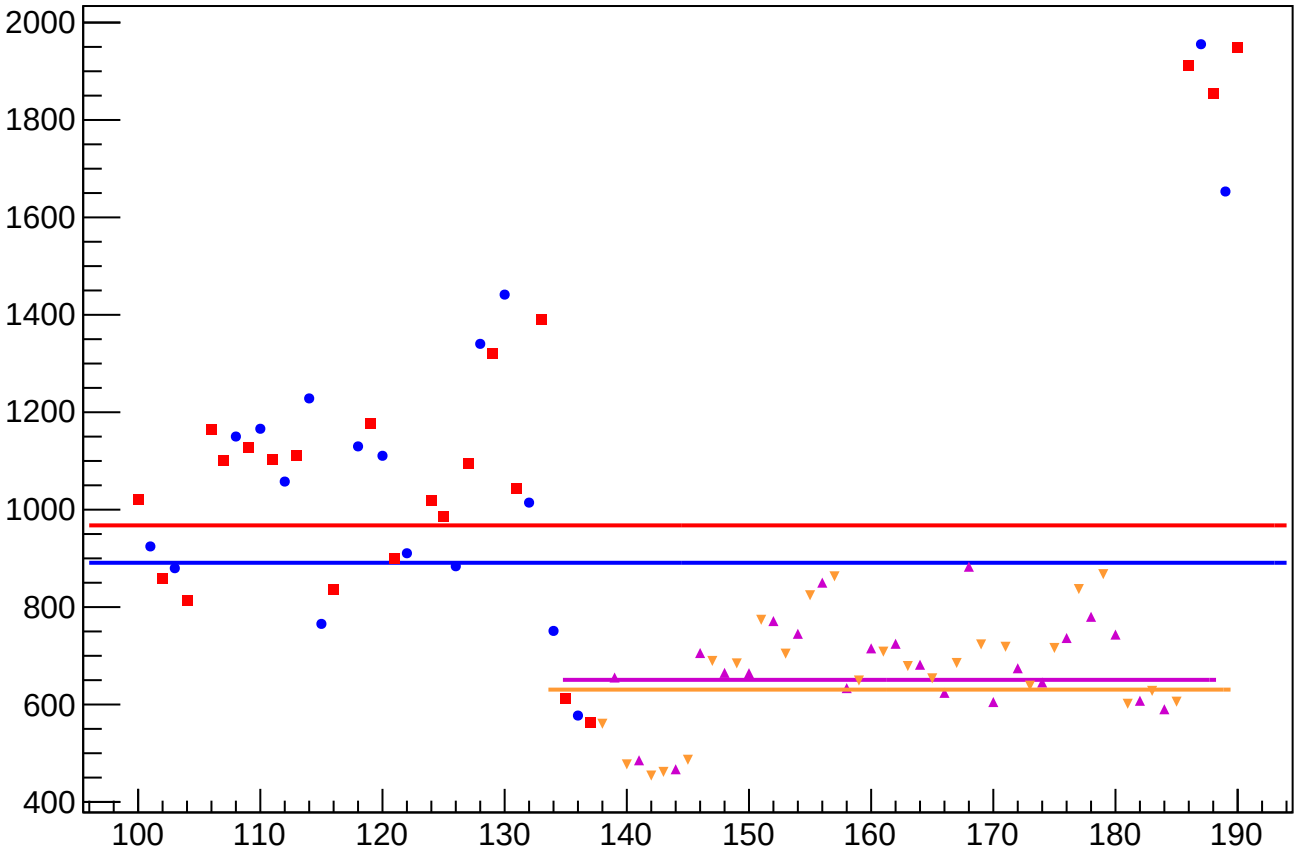
Right Out: 525.966+/-336.623 χ^2/NDF: 16.3/21

Left In: 65.405+/-154.225 χ^2/NDF:27.0/22

\+ sign 426.957+/-133.984 χ^2/NDF: 60.3/42

All: 292.523+/-96.867 χ^2/NDF: 107.2/87

\- sign 145.307+/-140.210 χ^2/NDF: 44.8/44



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: 967.747+/-0.238 χ^2/NDF: 1708356.0/21

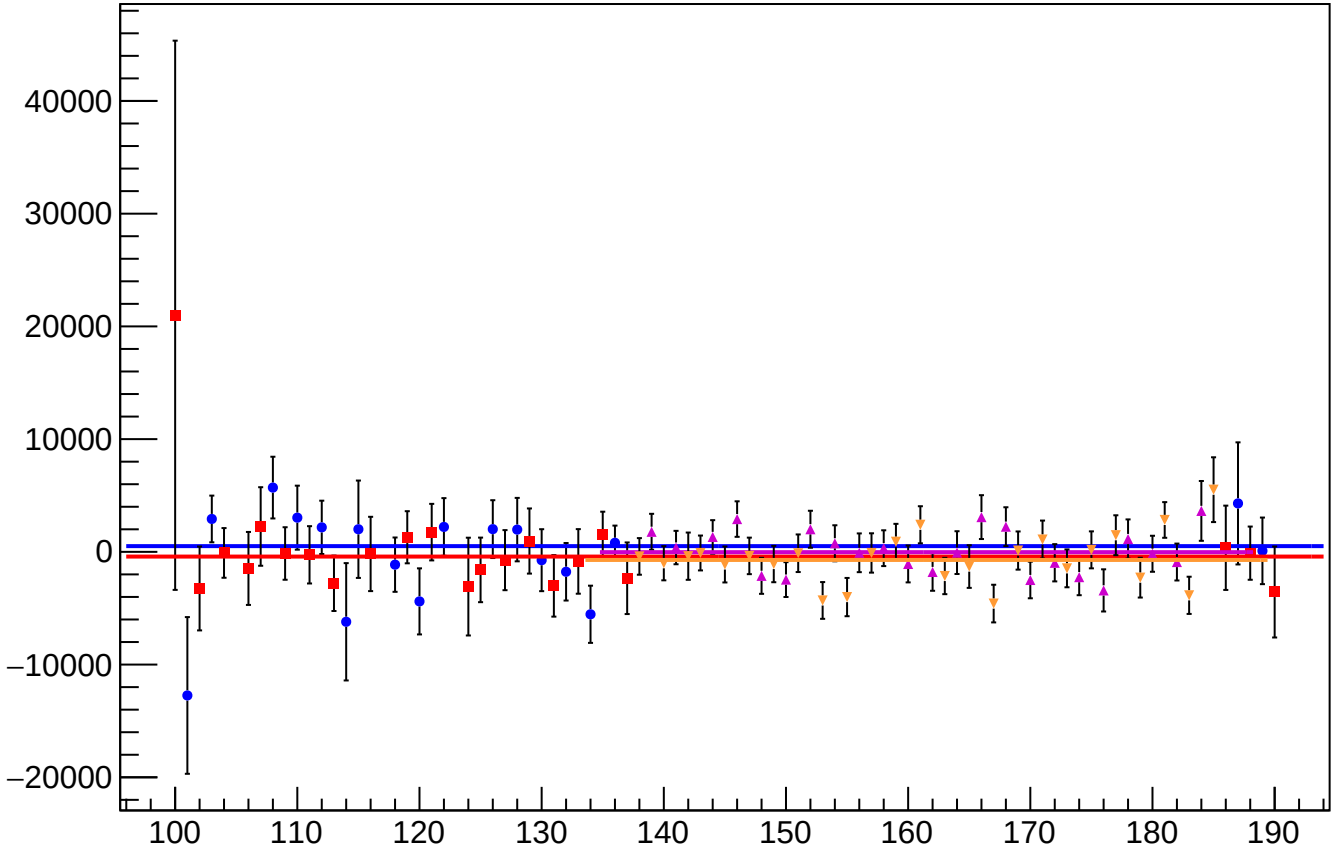
Left In: 650.638+/-0.109 χ^2/NDF:922087.6/22

+ sign 672.991+/-0.095 χ^2/NDF: 3721915.6/42

All: 688.581+/-0.068 χ^2/NDF: 7876010.3/87

- sign 705.652+/-0.099 χ^2/NDF: 4097368.8/44

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: -418.866+/-604.263 χ^2/NDF: 7.9/21

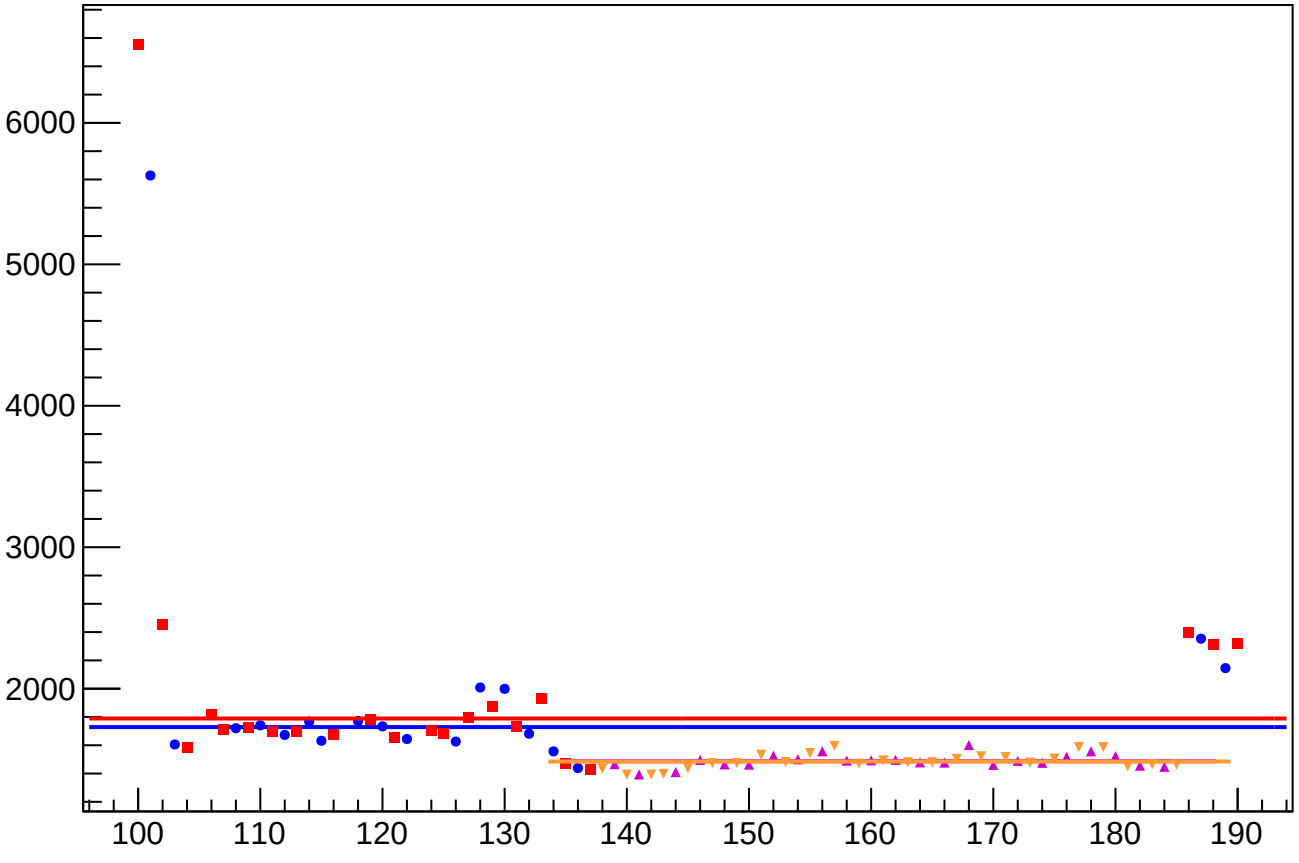
Left In: -27.514+/-347.415 χ^2/NDF:28.0/22

+ sign -444.672+/-297.532 χ^2/NDF: 63.9/42

All: -286.657+/-211.666 χ^2/NDF: 100.7/87

- sign -124.739+/-301.184 χ^2/NDF: 36.2/44

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: 1789.151+/-0.427 χ^2/NDF: 443286.5/21

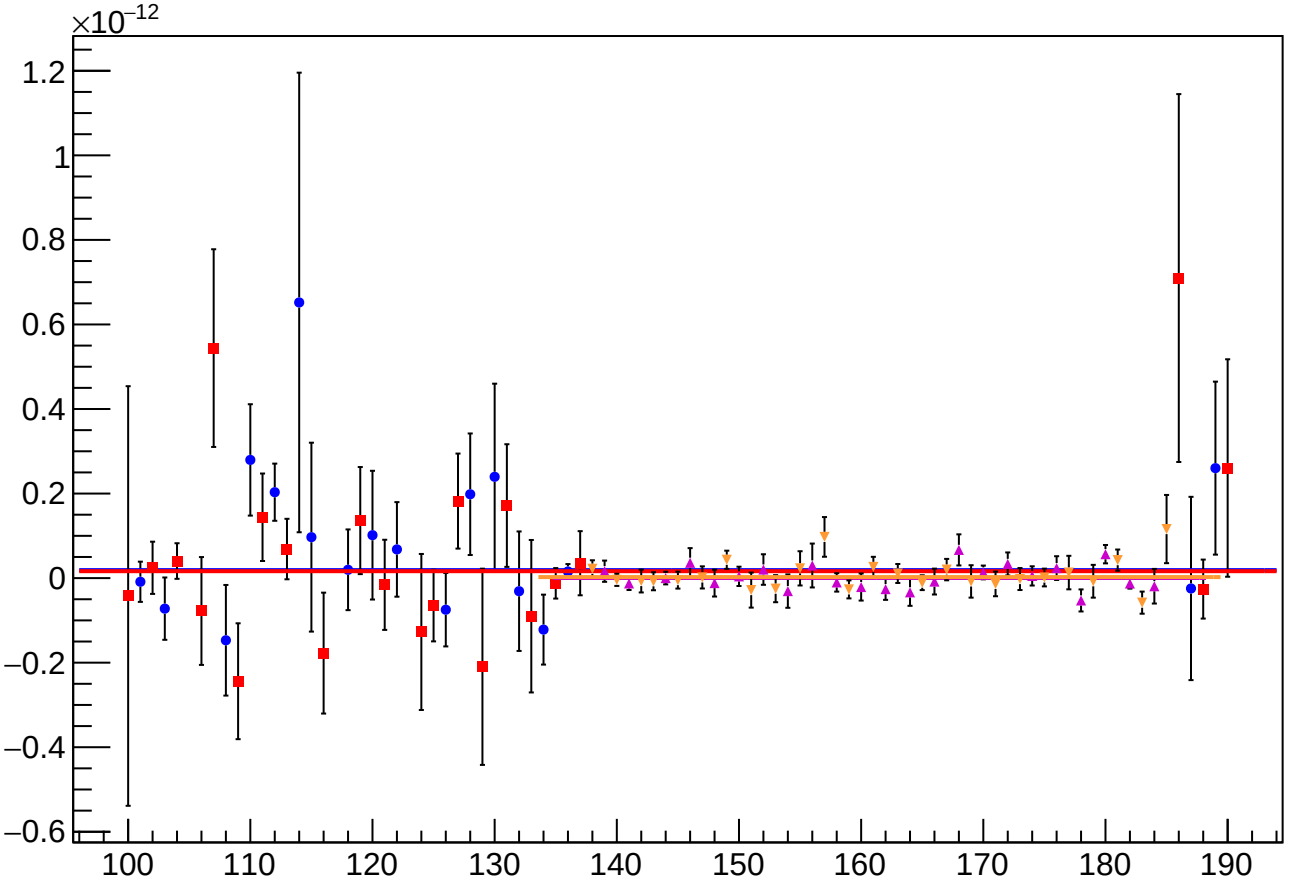
Left In: 1487.112+/-0.246 χ^2/NDF:34817.2/22

+ sign 1539.303+/-0.210 χ^2/NDF: 1115725.1/42

All: 1550.587+/-0.150 χ^2/NDF: 1975204.3/87

- sign 1562.149+/-0.213 χ^2/NDF: 853655.1/44

asym_usr_atr1_dd_reg_vs_cor_diff_mean vs Slug



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: 25.1/21

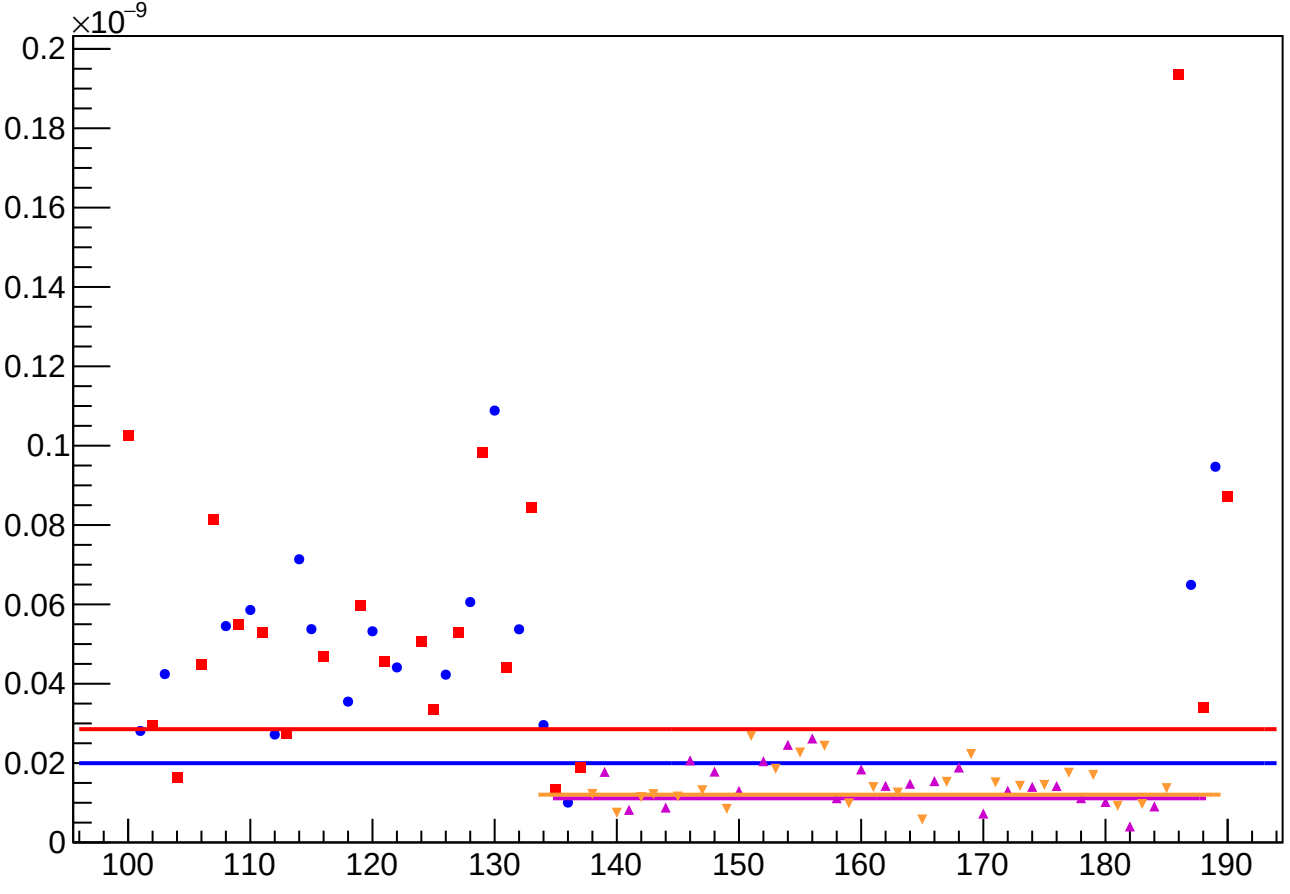
Left In: 0.000+/-0.000 χ^2/NDF:24.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.6/42

All: 0.000+/-0.000 χ^2/NDF: 102.6/87

- sign 0.000+/-0.000 χ^2/NDF: 50.8/44

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

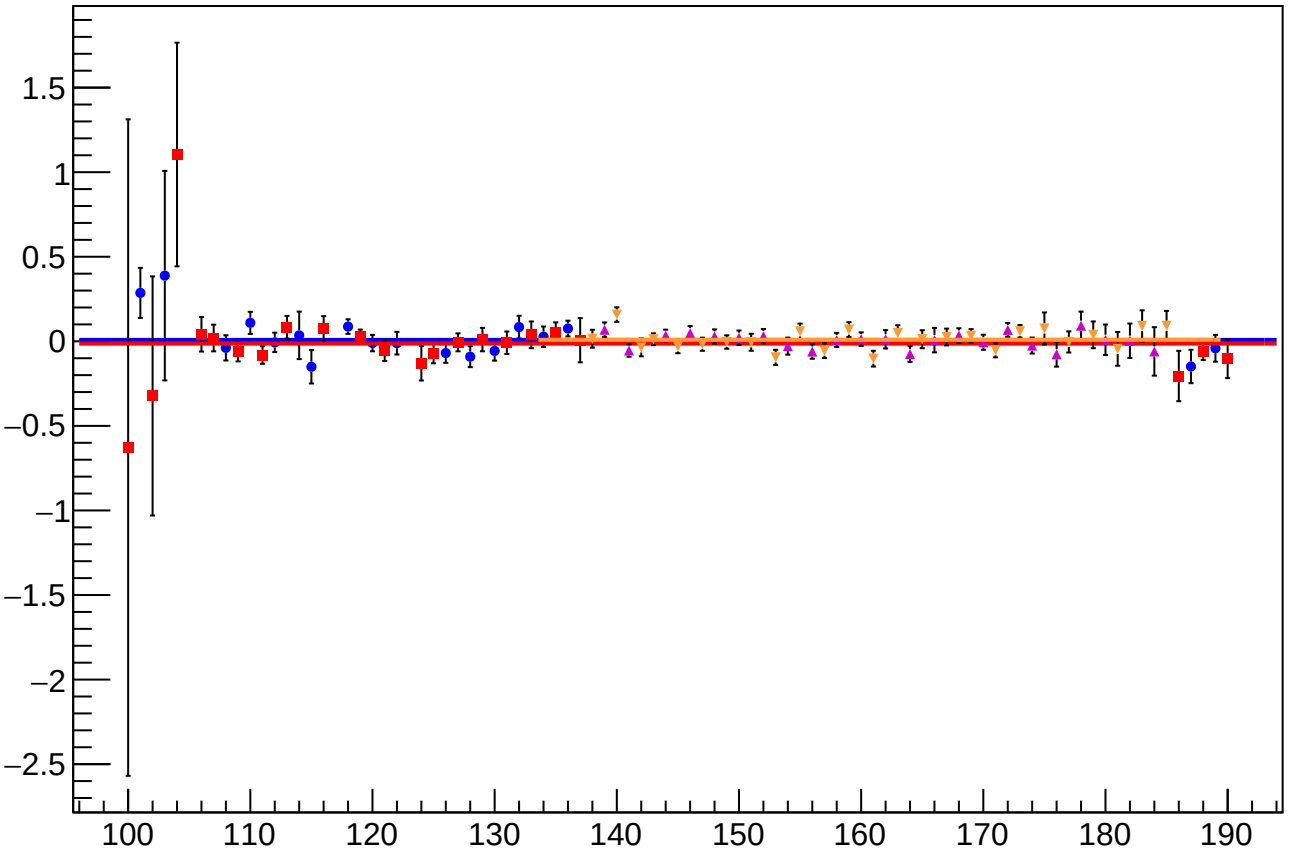
Right Out: 0.000+/-0.000 χ^2/NDF: 2059689.8/21

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: 10670117.9/87

- sign 0.000+/-0.000 χ^2/NDF: 5952229.9/44



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: -0.014+/-0.015 χ^2/NDF: 18.2/21

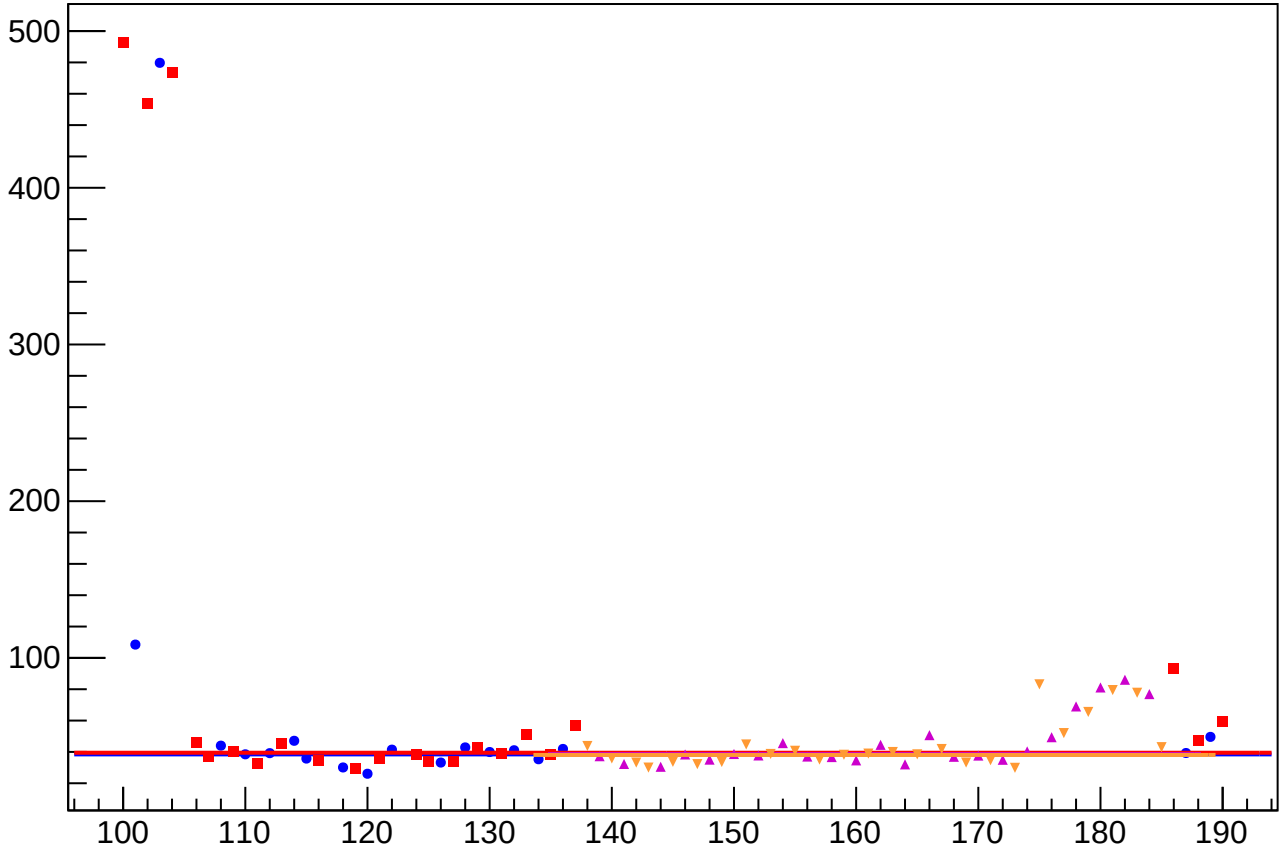
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.009+/-0.008 χ^2/NDF: 63.7/42

All: 0.005+/-0.006 χ^2/NDF: 102.6/87

- sign 0.001+/-0.008 χ^2/NDF: 38.5/44

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

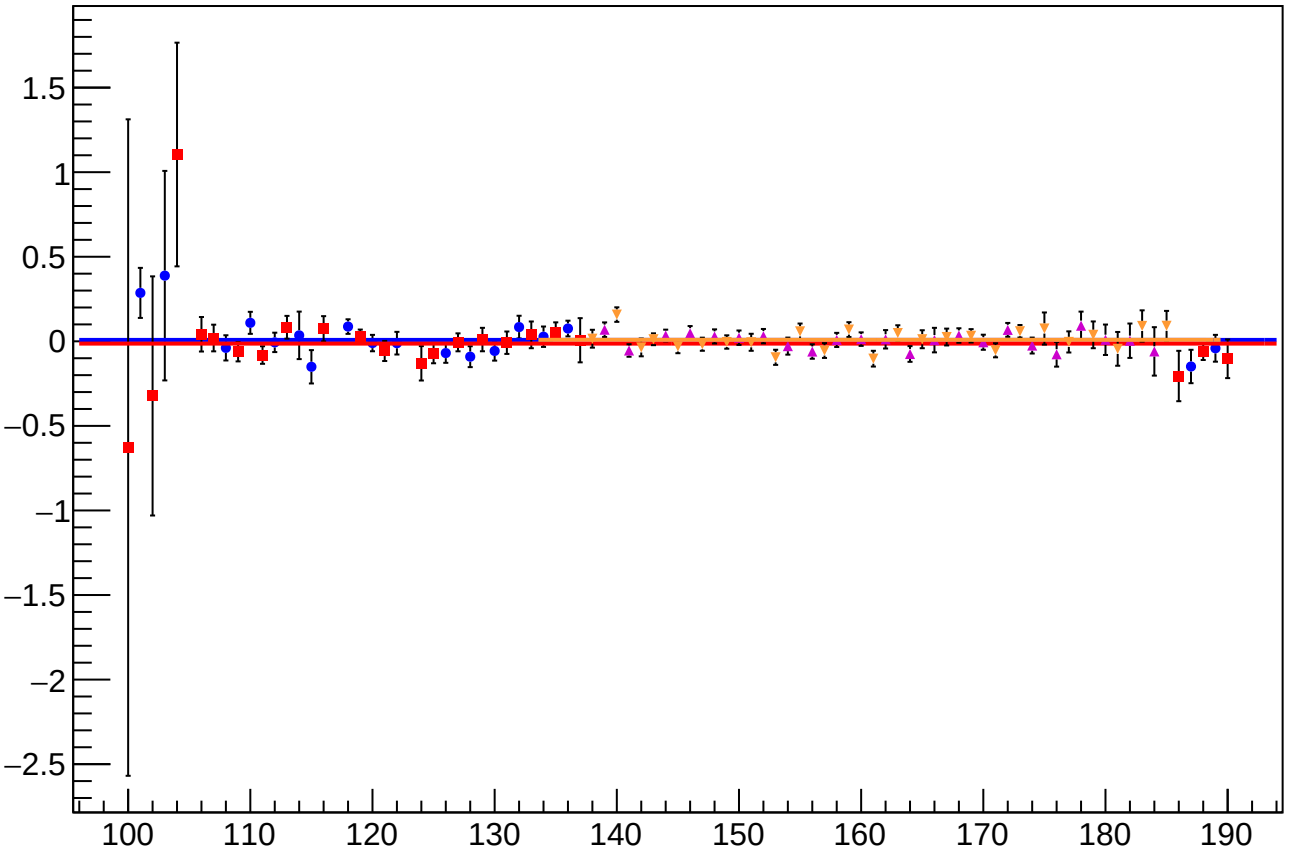
Right Out: 39.476+/-0.011 χ^2/NDF: 2338226.3/21

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

+ sign 38.164+/-0.006 χ^2/NDF: 3749209.6/42

All: 38.518+/-0.004 χ^2/NDF: 7827196.1/87

- sign 38.885+/-0.006 χ^2/NDF: 4070282.7/44



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: -0.014+/-0.015 χ^2/NDF: 18.2/21

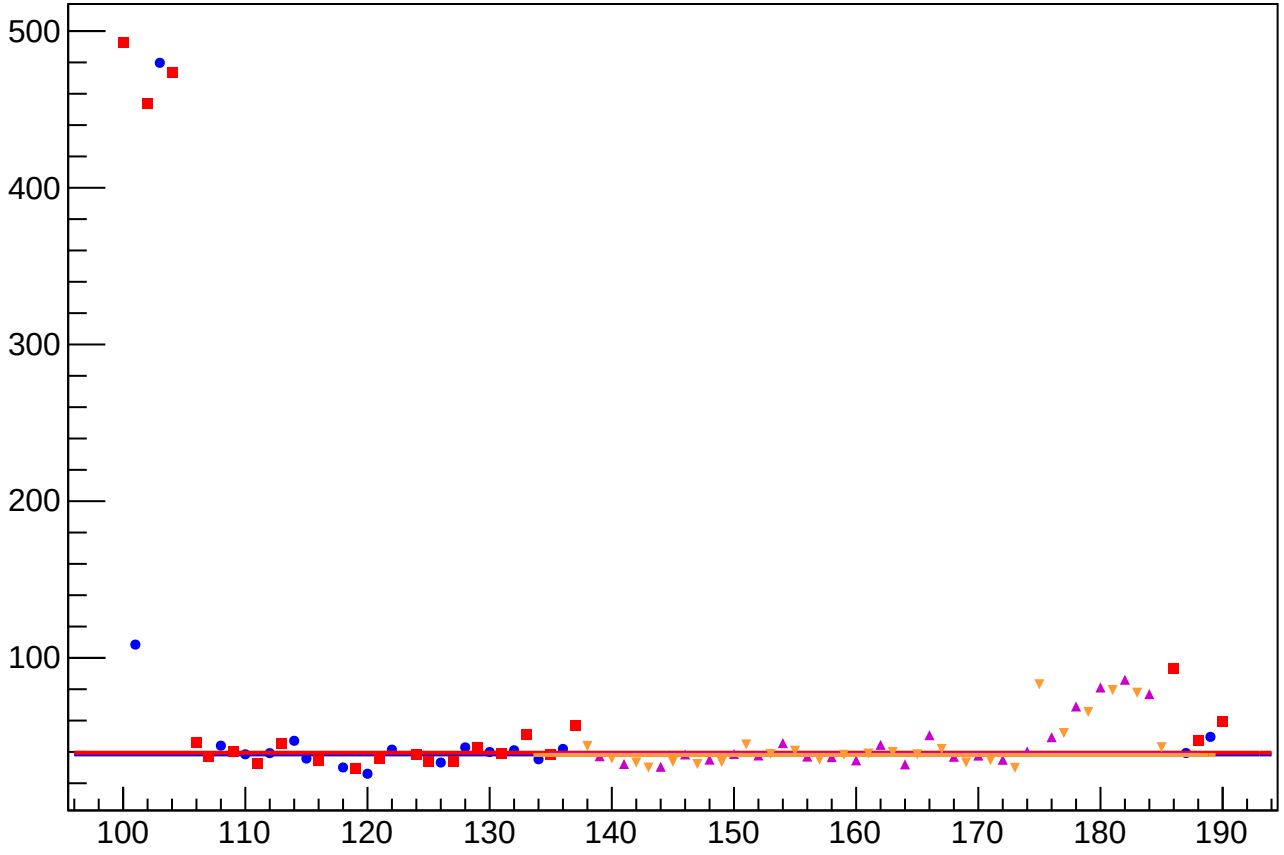
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.009+/-0.008 χ^2/NDF: 63.7/42

All: 0.005+/-0.006 χ^2/NDF: 102.6/87

- sign 0.001+/-0.008 χ^2/NDF: 38.5/44

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

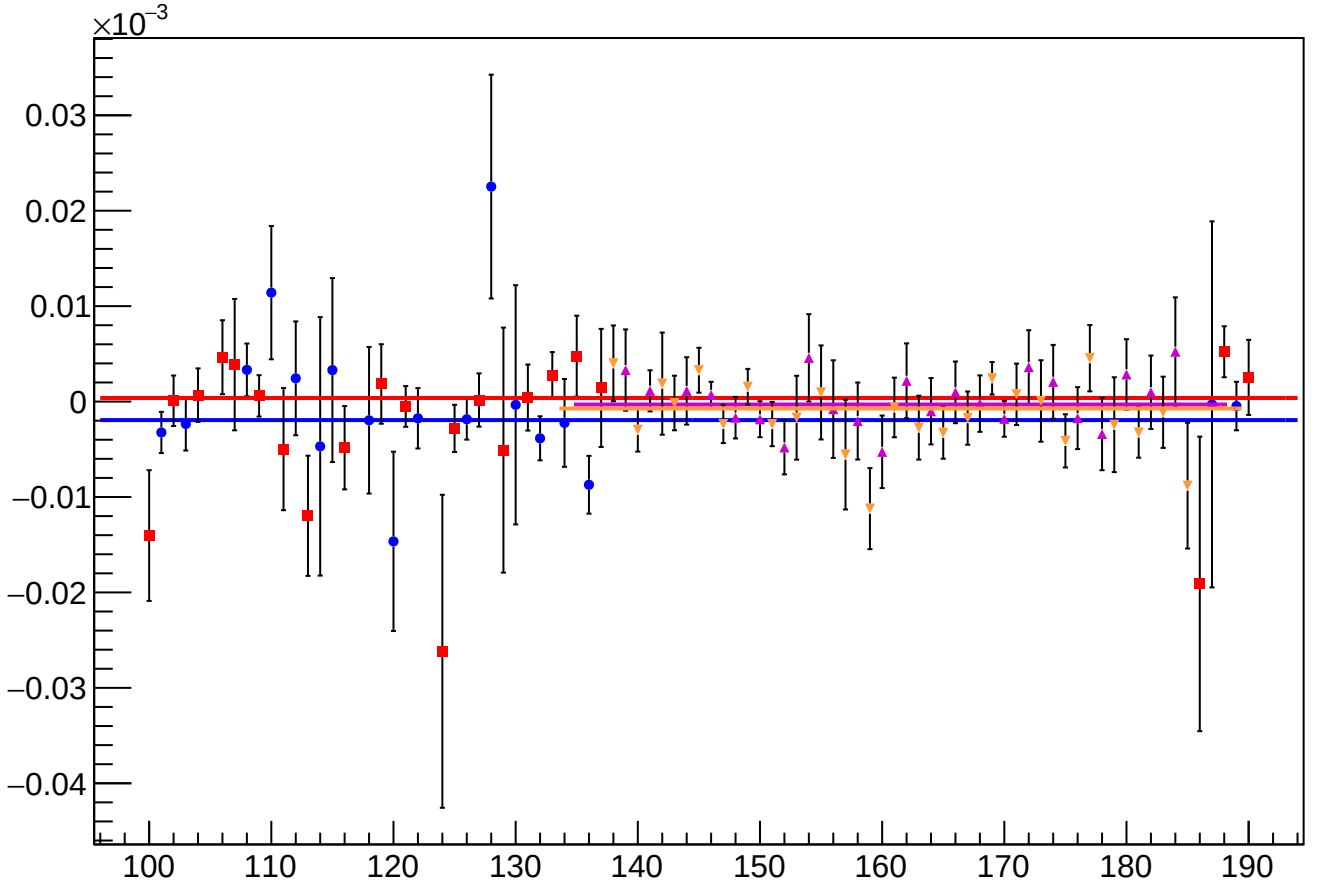
Right Out: 39.476+/-0.011 χ^2/NDF: 2338226.3/21

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

+ sign 38.164+/-0.006 χ^2/NDF: 3749209.6/42

All: 38.518+/-0.004 χ^2/NDF: 7827196.1/87

- sign 38.885+/-0.006 χ^2/NDF: 4070282.7/44



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: 23.9/21

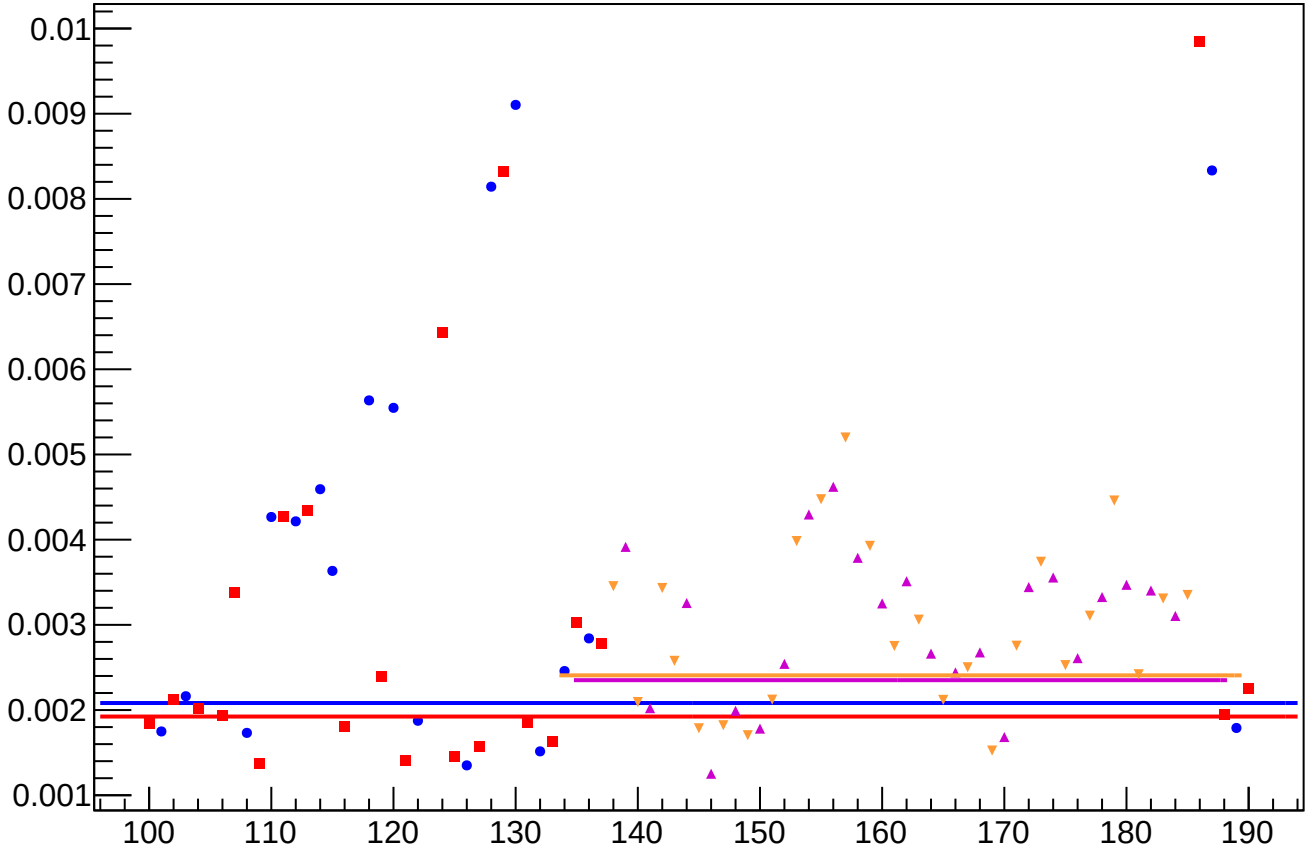
Left In: -0.000+/-0.000 χ^2/NDF:13.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.7/42

All: -0.000+/-0.000 χ^2/NDF: 89.5/87

- sign -0.000+/-0.000 χ^2/NDF: 38.2/44

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 3257876.7/17

Left Out: 0.002+/-0.000 χ^2/NDF:3682960.0/24

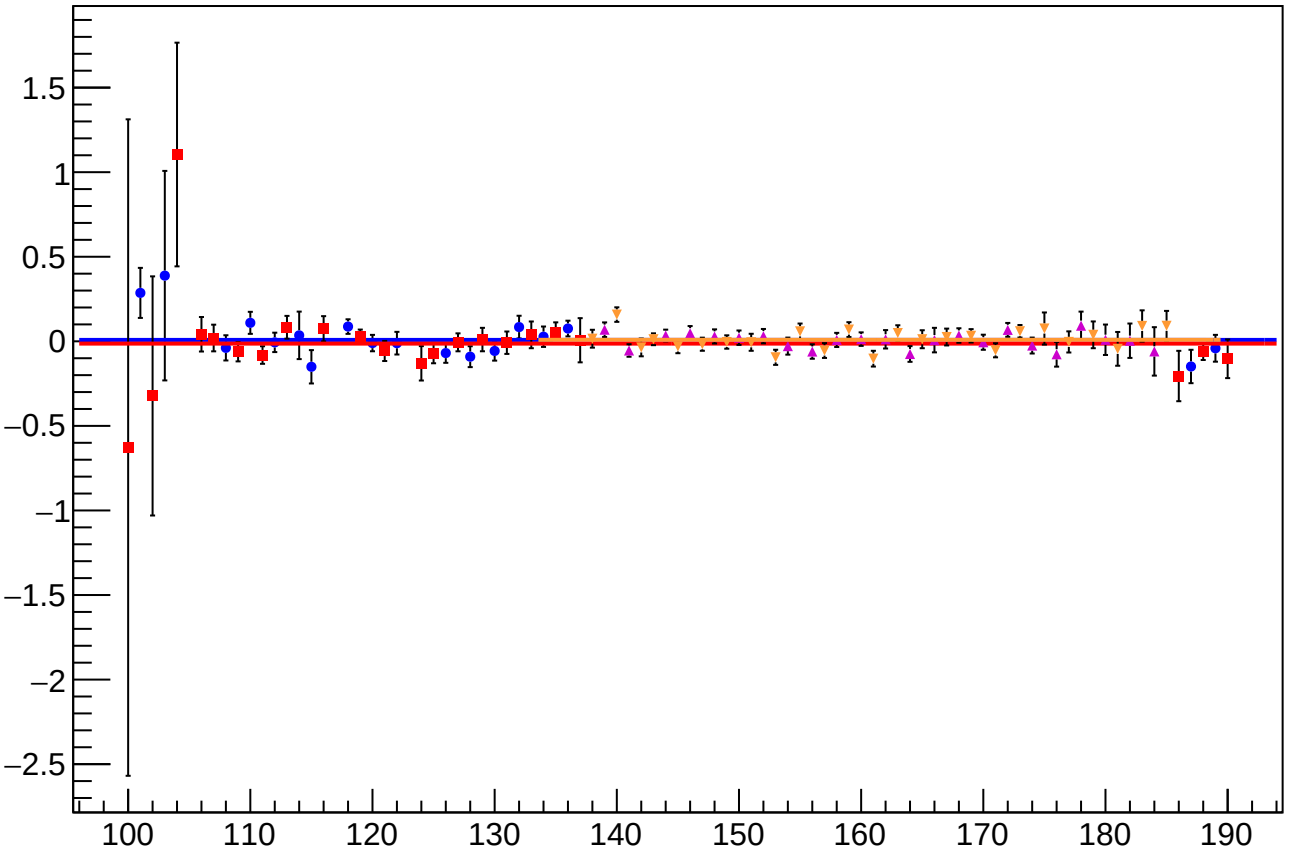
Right Out: 0.002+/-0.000 χ^2/NDF: 2437739.4/21

Left In: 0.002+/-0.000 χ^2/NDF:4438139.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 7141025.0/42

All: 0.002+/-0.000 χ^2/NDF: 14482683.4/87

- sign 0.002+/-0.000 χ^2/NDF: 7278723.8/44



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: -0.014+/-0.015 χ^2/NDF: 18.2/21

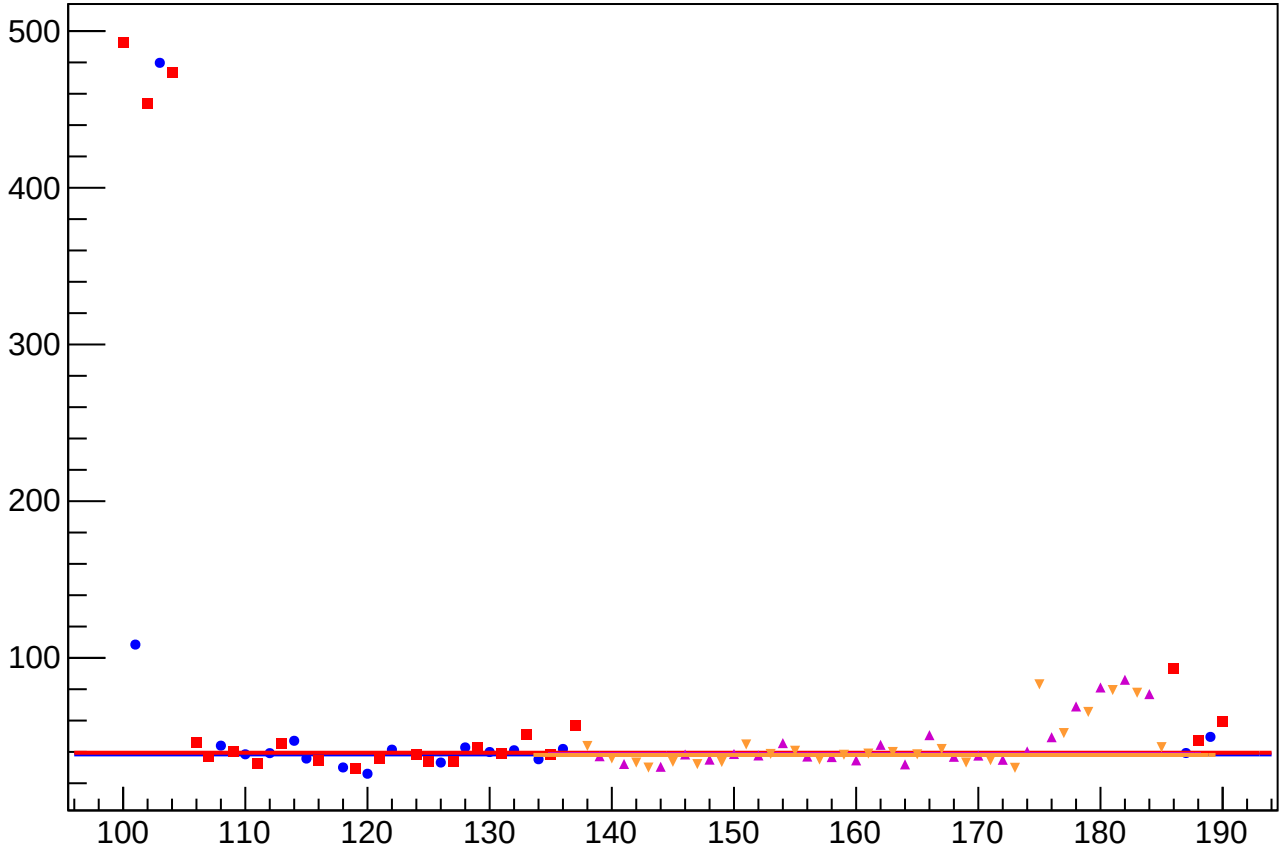
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.009+/-0.008 χ^2/NDF: 63.7/42

All: 0.005+/-0.006 χ^2/NDF: 102.6/87

- sign 0.001+/-0.008 χ^2/NDF: 38.5/44

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

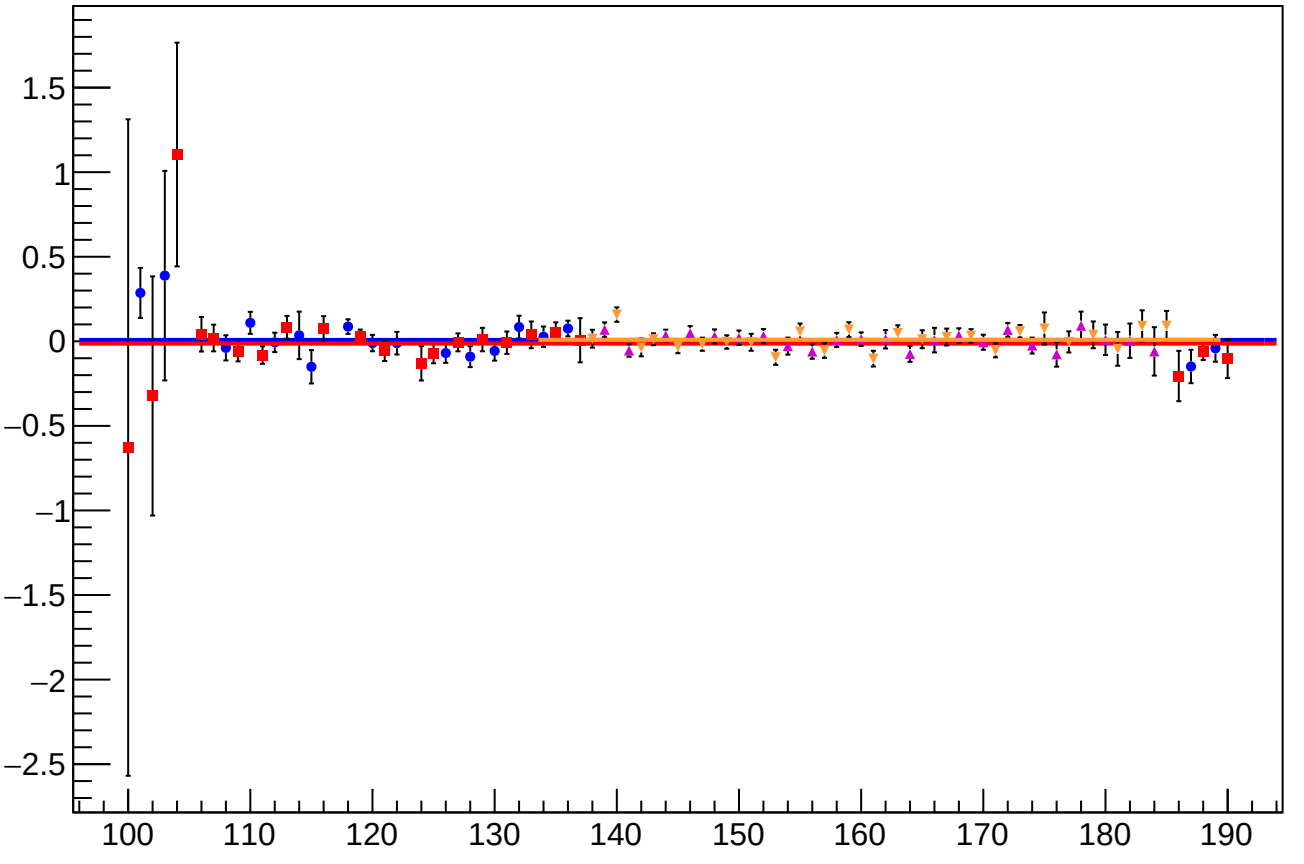
Right Out: 39.475+/-0.011 χ^2/NDF: 2338320.5/21

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

+ sign 38.164+/-0.006 χ^2/NDF: 3749217.8/42

All: 38.517+/-0.004 χ^2/NDF: 7827315.8/87

- sign 38.884+/-0.006 χ^2/NDF: 4070401.3/44



Right In: 0.008+/-0.015 χ^2/NDF: 25.1/17

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

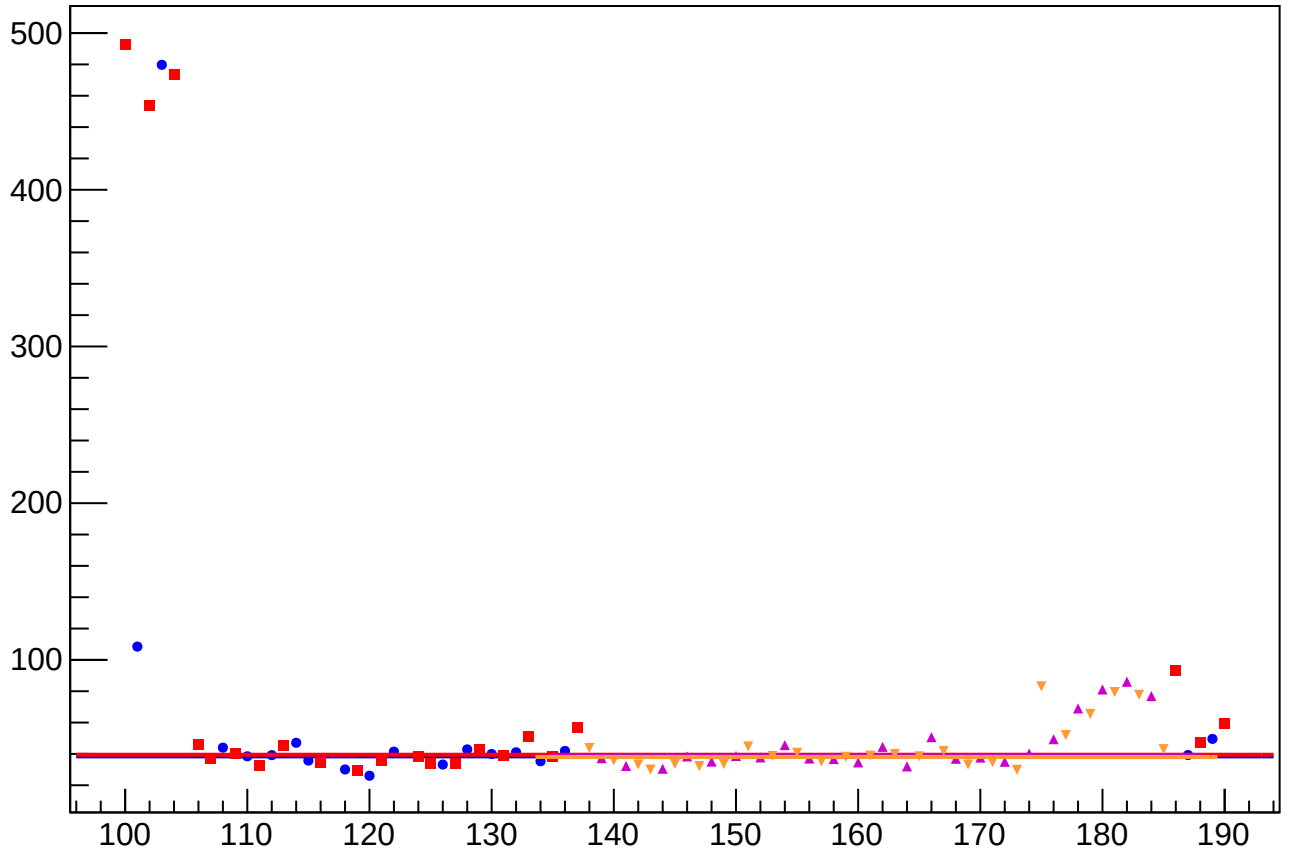
Right Out: -0.014+/-0.015 χ^2/NDF: 18.2/21

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: 102.6/87

- sign 0.001+/-0.008 χ^2/NDF: 38.5/44



Right In: 38.416+/-0.011 χ^2/NDF: 1781368.0/17

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

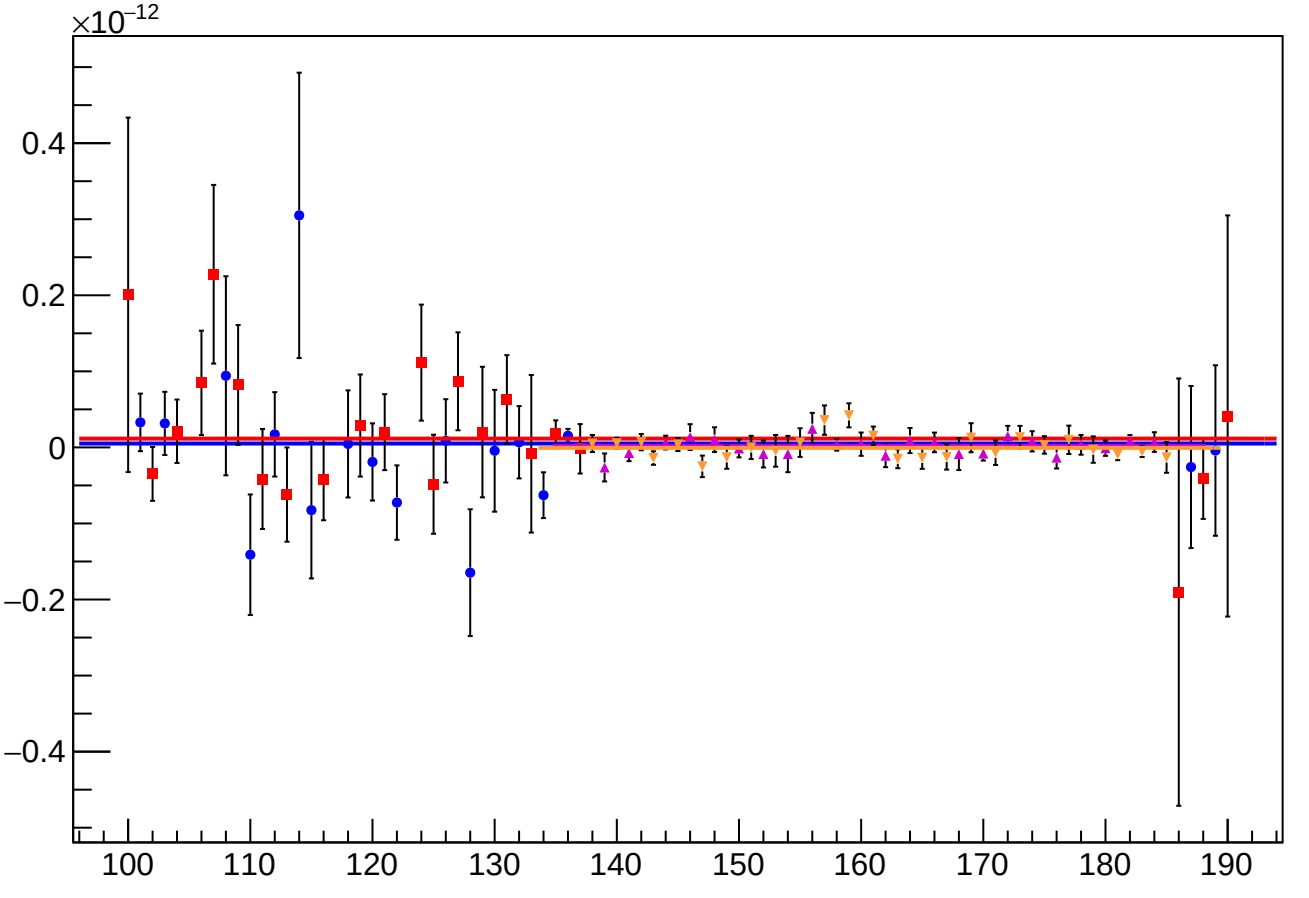
Right Out: 39.475+/-0.011 χ^2/NDF: 2338320.5/21

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

+ sign 38.164+/-0.006 χ^2/NDF: 3749217.8/42

All: 38.517+/-0.004 χ^2/NDF: 7827315.8/87

- sign 38.884+/-0.006 χ^2/NDF: 4070401.3/44



Right In: 0.000+/-0.000 χ^2/NDF: 21.8/17

Left Out: -0.000+/-0.000 χ^2/NDF:26.9/24

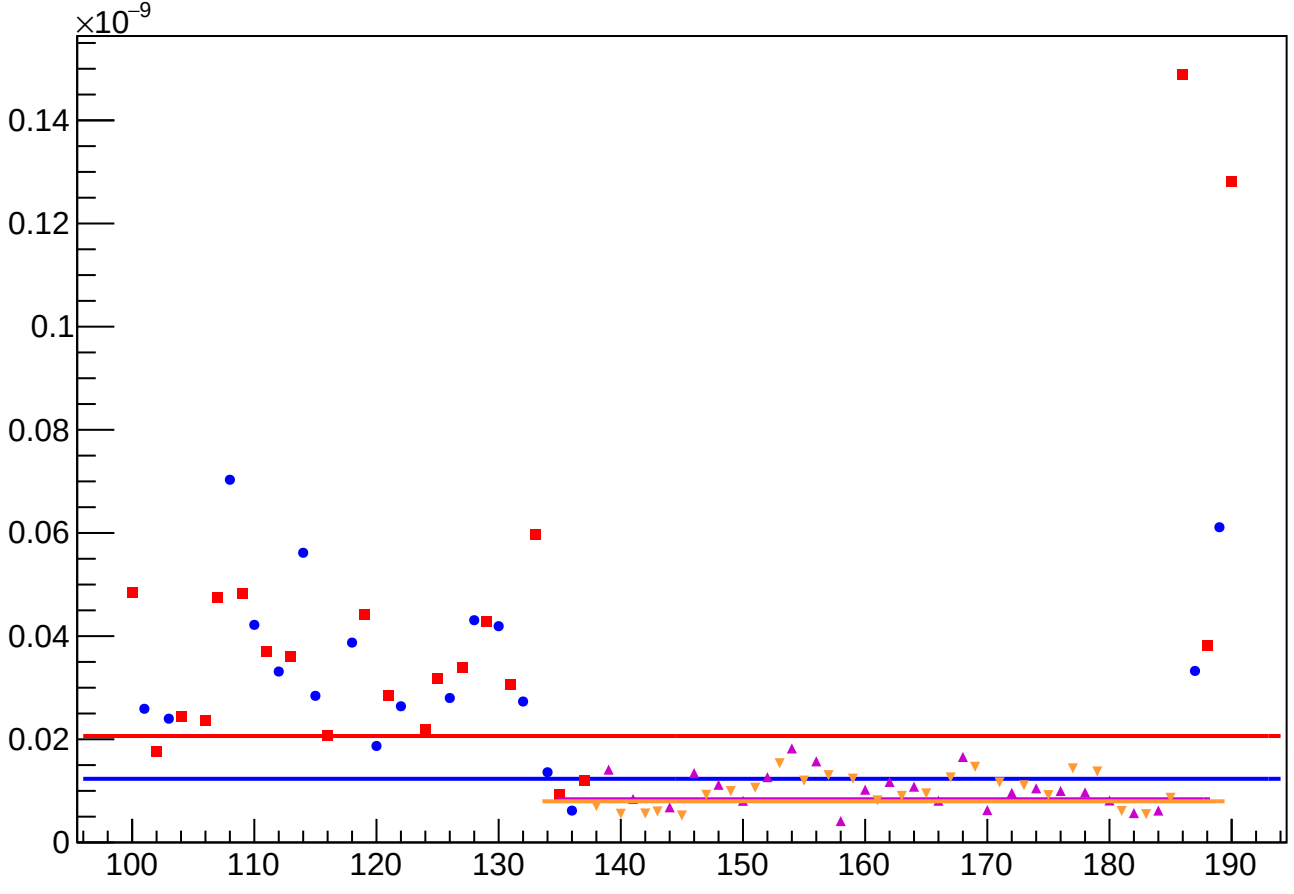
Right Out: 0.000+/-0.000 χ^2/NDF: 17.5/21

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: 79.6/87

- sign 0.000+/-0.000 χ^2/NDF: 30.0/44



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: 3605359.1/21

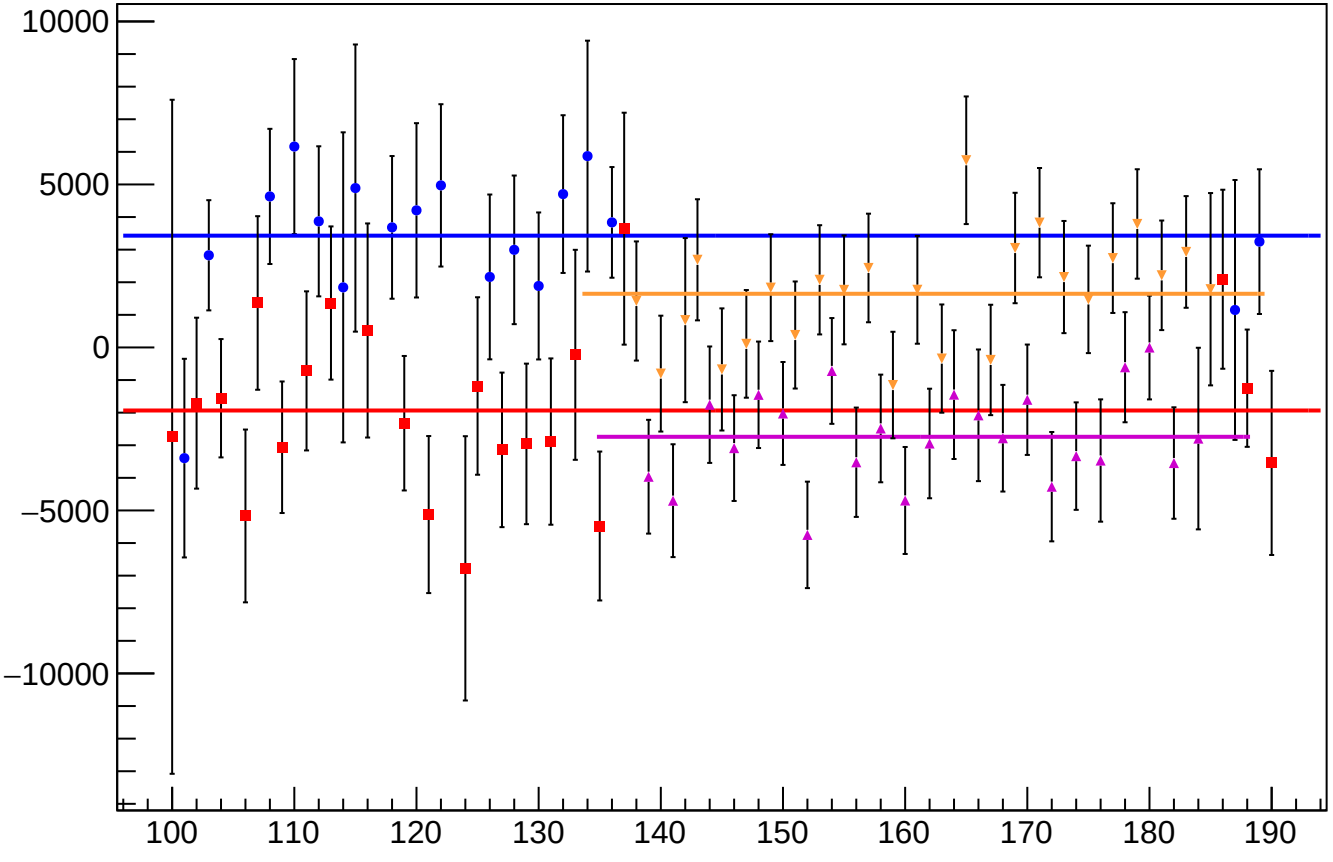
Left In: 0.000+/-0.000 χ^2/NDF:2786396.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 7769701.3/42

All: 0.000+/-0.000 χ^2/NDF: 16894432.3/87

- sign 0.000+/-0.000 χ^2/NDF: 9037941.5/44

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: -1933.973+/-537.358 χ^2/NDF: 17.8/21

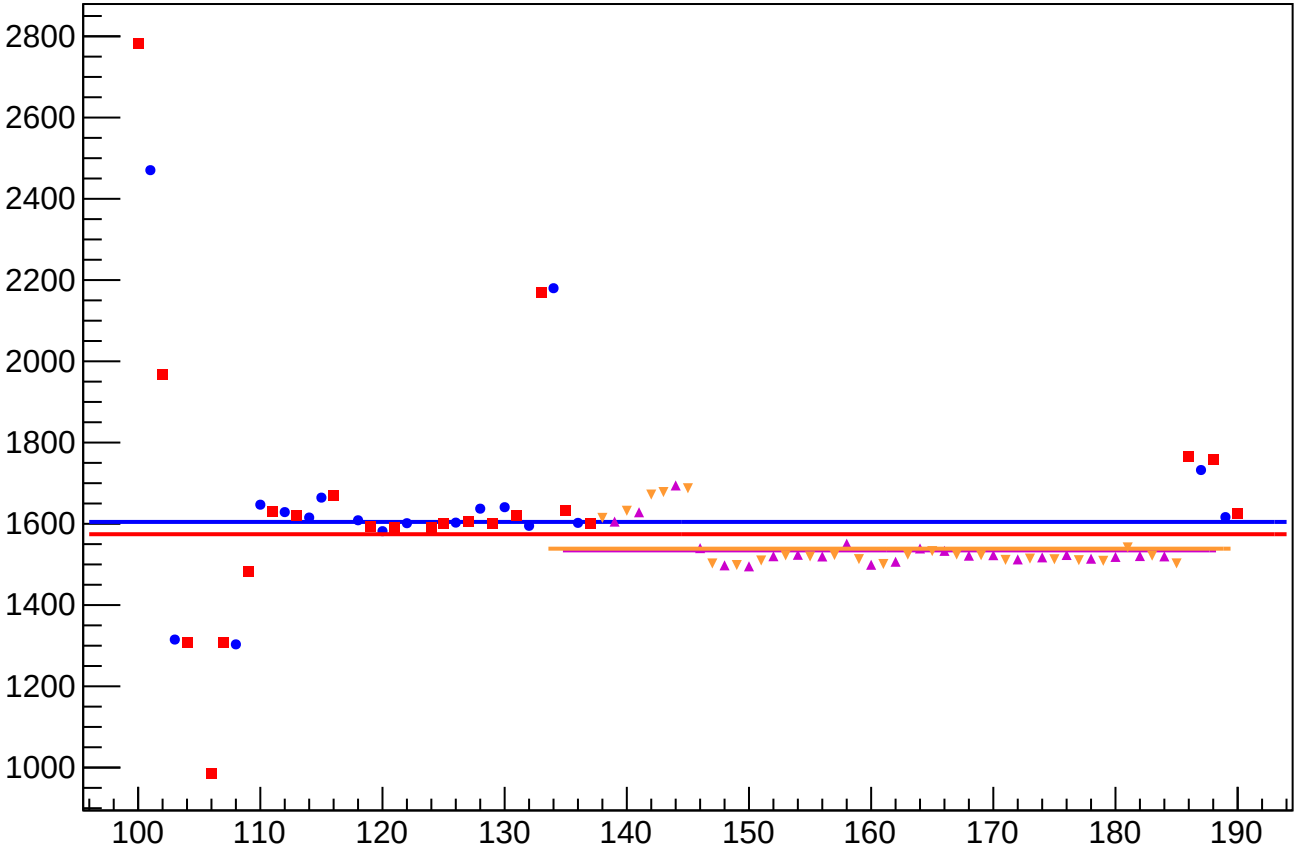
Left In: -2740.924+/-358.458 χ^2/NDF:16.4/22

+ sign 2128.809+/-298.710 χ^2/NDF: 37.2/42

All: -185.763+/-211.039 χ^2/NDF: 192.9/87

- sign -2492.421+/-298.199 χ^2/NDF: 35.8/44

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: 1574.396+/-0.375 χ^2/NDF: 412647.1/21

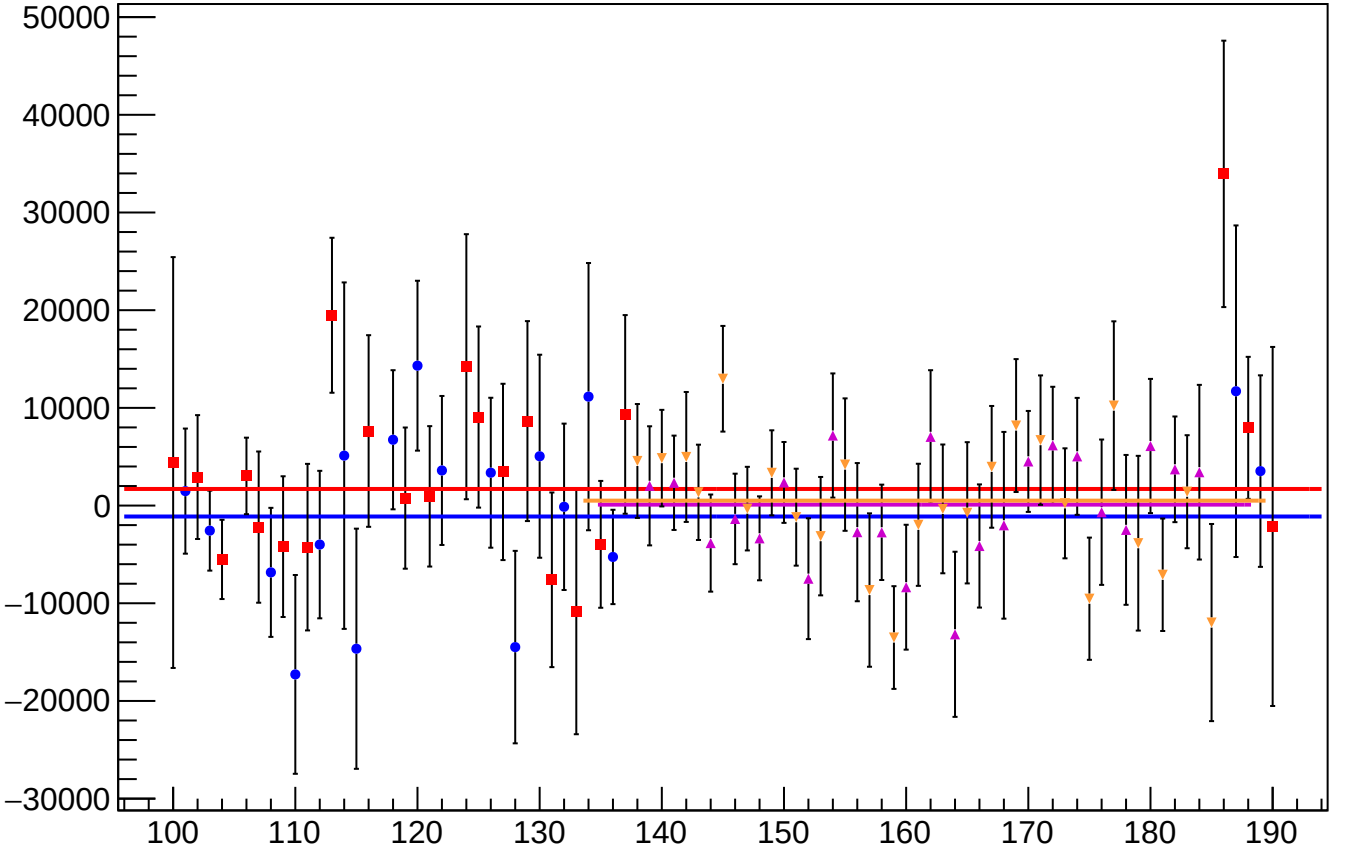
Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1556.628+/-0.211 χ^2/NDF: 385842.4/42

All: 1551.838+/-0.149 χ^2/NDF: 838366.9/87

- sign 1547.106+/-0.210 χ^2/NDF: 451502.1/44

asym_usr_atr2_avg_reg_correction_mean vs Slug



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: 1699.882+/-1609.277 χ^2/NDF: 21.9/21

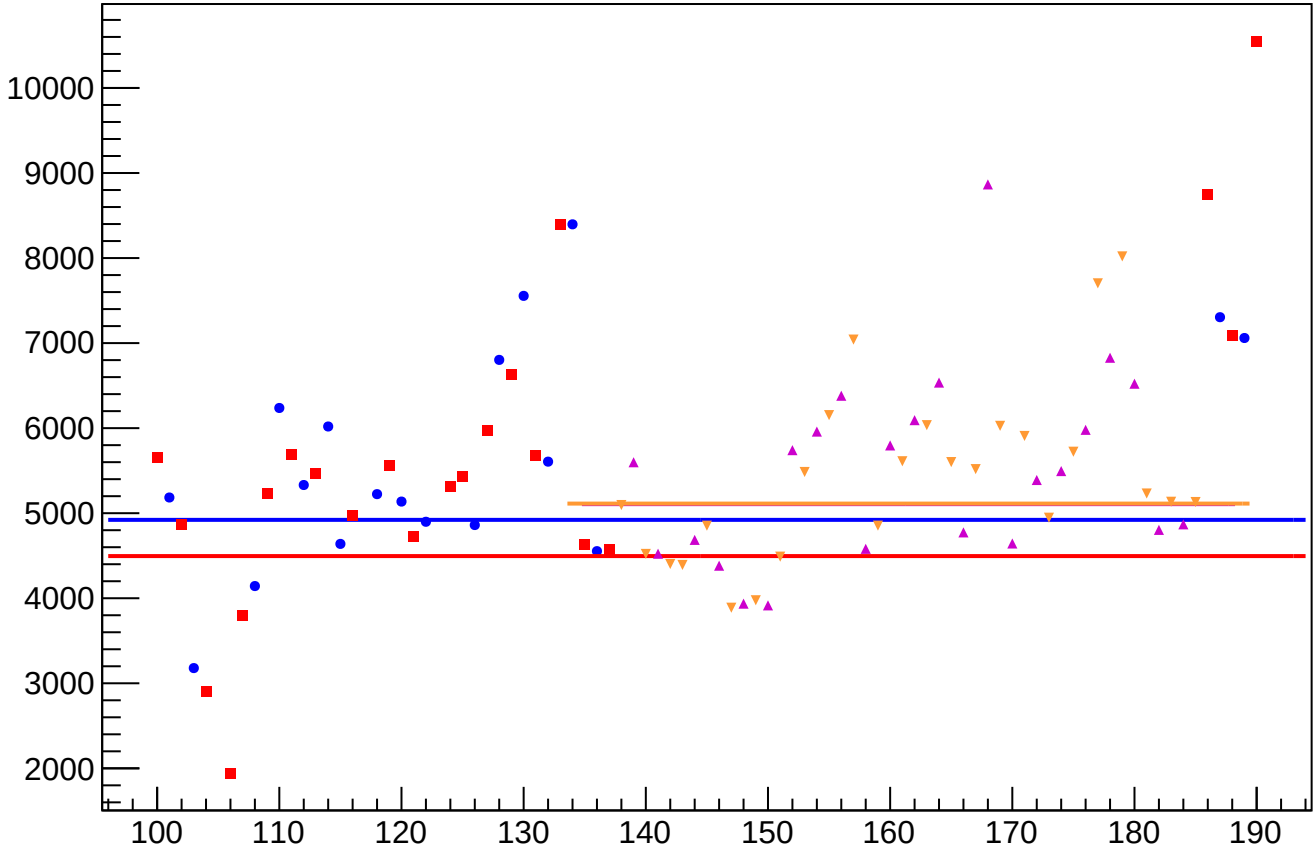
Left In: 97.910+/-1217.585 χ^2/NDF:14.9/22

+ sign 13.872+/-992.105 χ^2/NDF: 42.0/42

All: 354.668+/-693.935 χ^2/NDF: 79.7/87

- sign 681.107+/-970.982 χ^2/NDF: 37.5/44

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: 4495.678+/-1.138 χ^2/NDF: 2392704.0/21

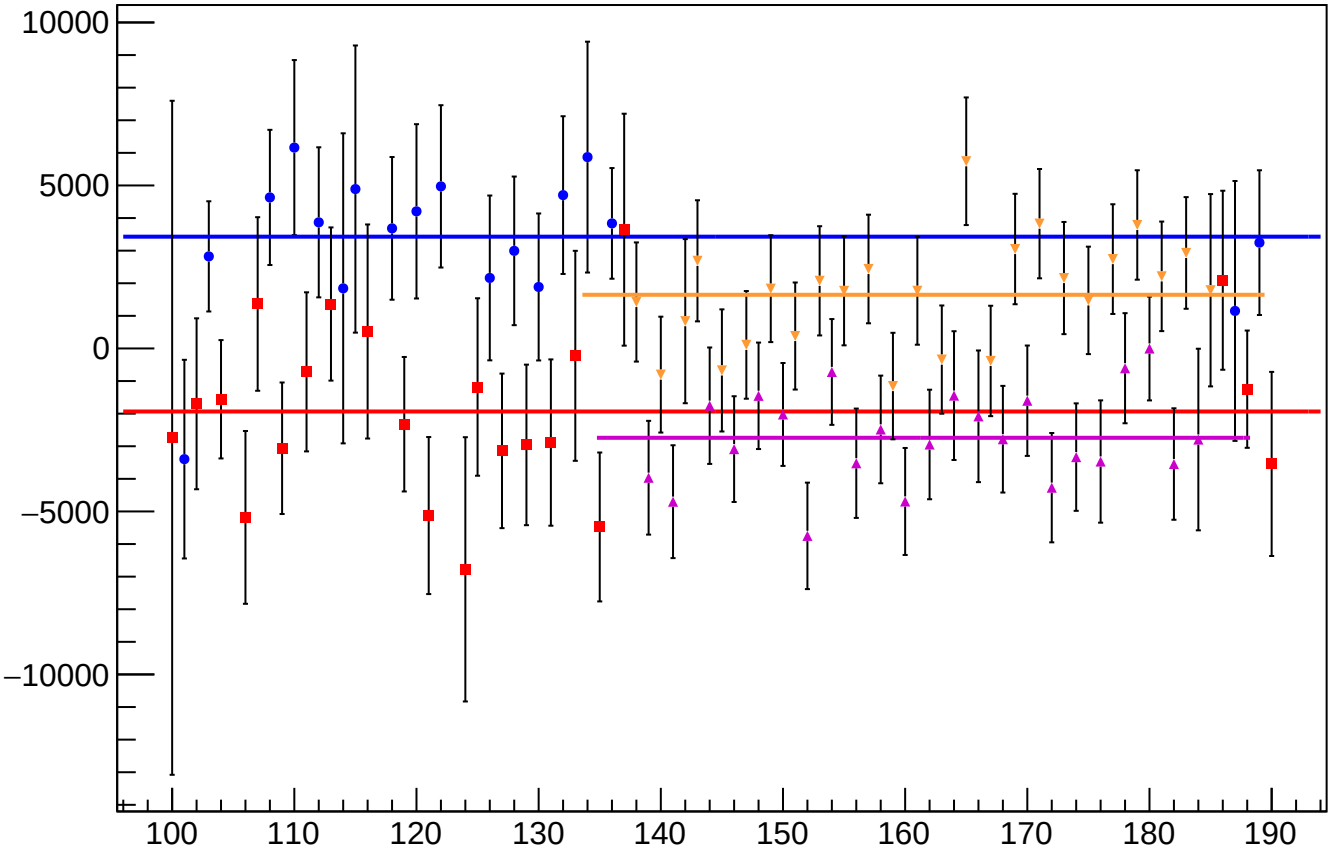
Left In: 5106.386+/-0.861 χ^2/NDF:1251622.3/22

+ sign 5055.214+/-0.702 χ^2/NDF: 2111078.0/42

All: 4967.795+/-0.491 χ^2/NDF: 5968979.2/87

- sign 4884.058+/-0.687 χ^2/NDF: 3827498.2/44

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: -1933.939+/-537.360 χ^2/NDF: 17.8/21

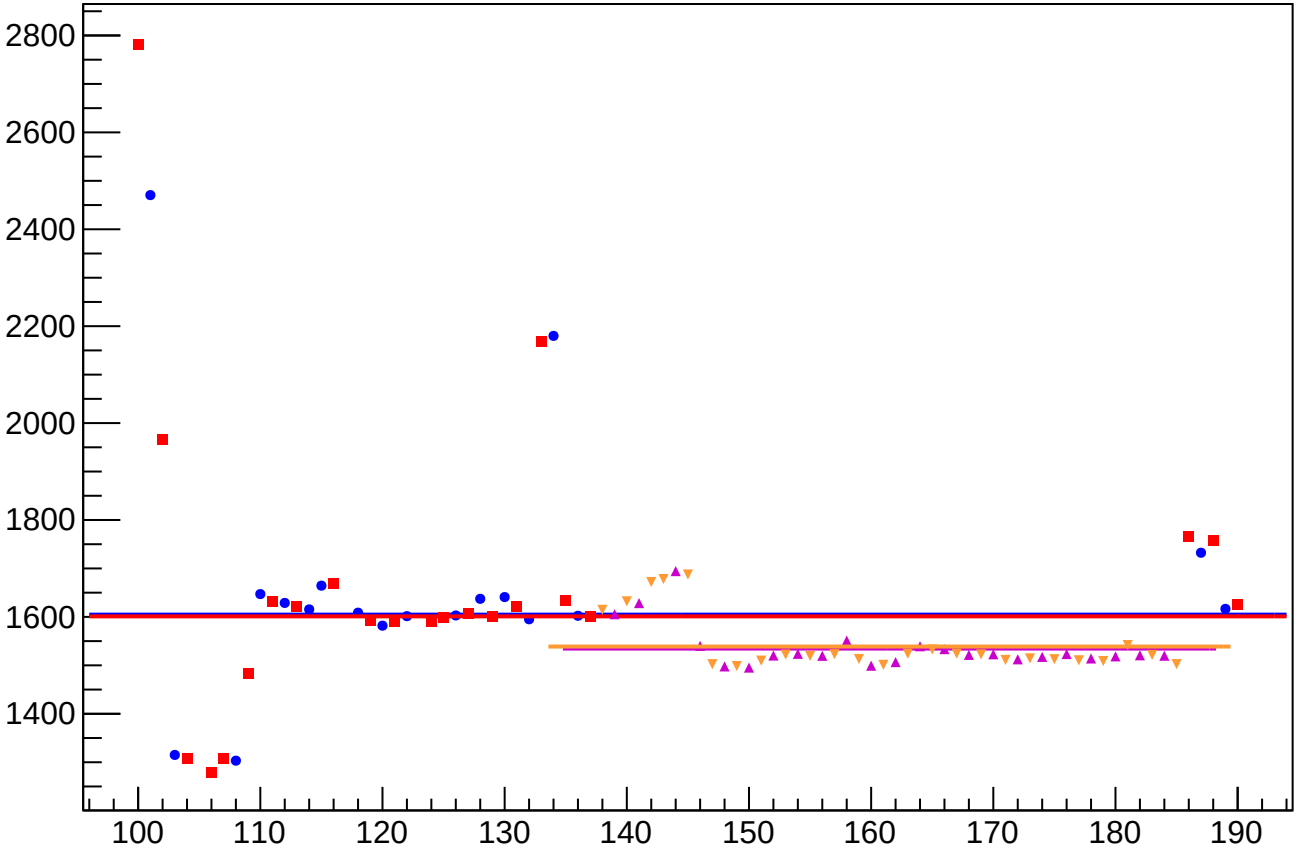
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2128.653+/-298.710 χ^2/NDF: 37.2/42

All: -185.800+/-211.039 χ^2/NDF: 192.9/87

- sign -2492.344+/-298.199 χ^2/NDF: 35.8/44

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

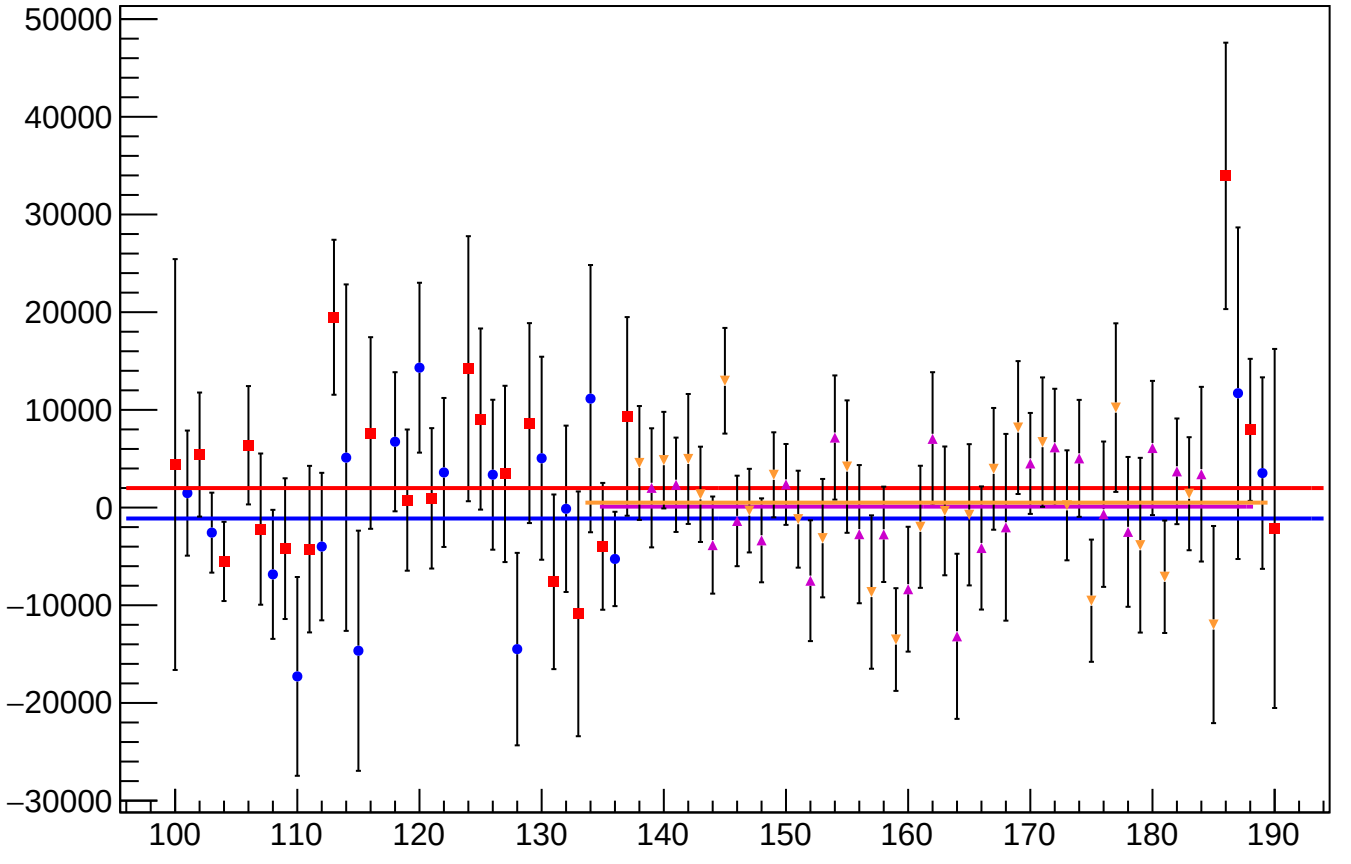
Right Out: 1601.076+/-0.379 χ^2/NDF: 269658.2/21

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1556.628+/-0.211 χ^2/NDF: 385841.6/42

All: 1555.900+/-0.149 χ^2/NDF: 707913.4/87

- sign 1555.175+/-0.211 χ^2/NDF: 322048.0/44



Right In: -1119.979+/-1806.007 χ^2/NDF: 14.7/17

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

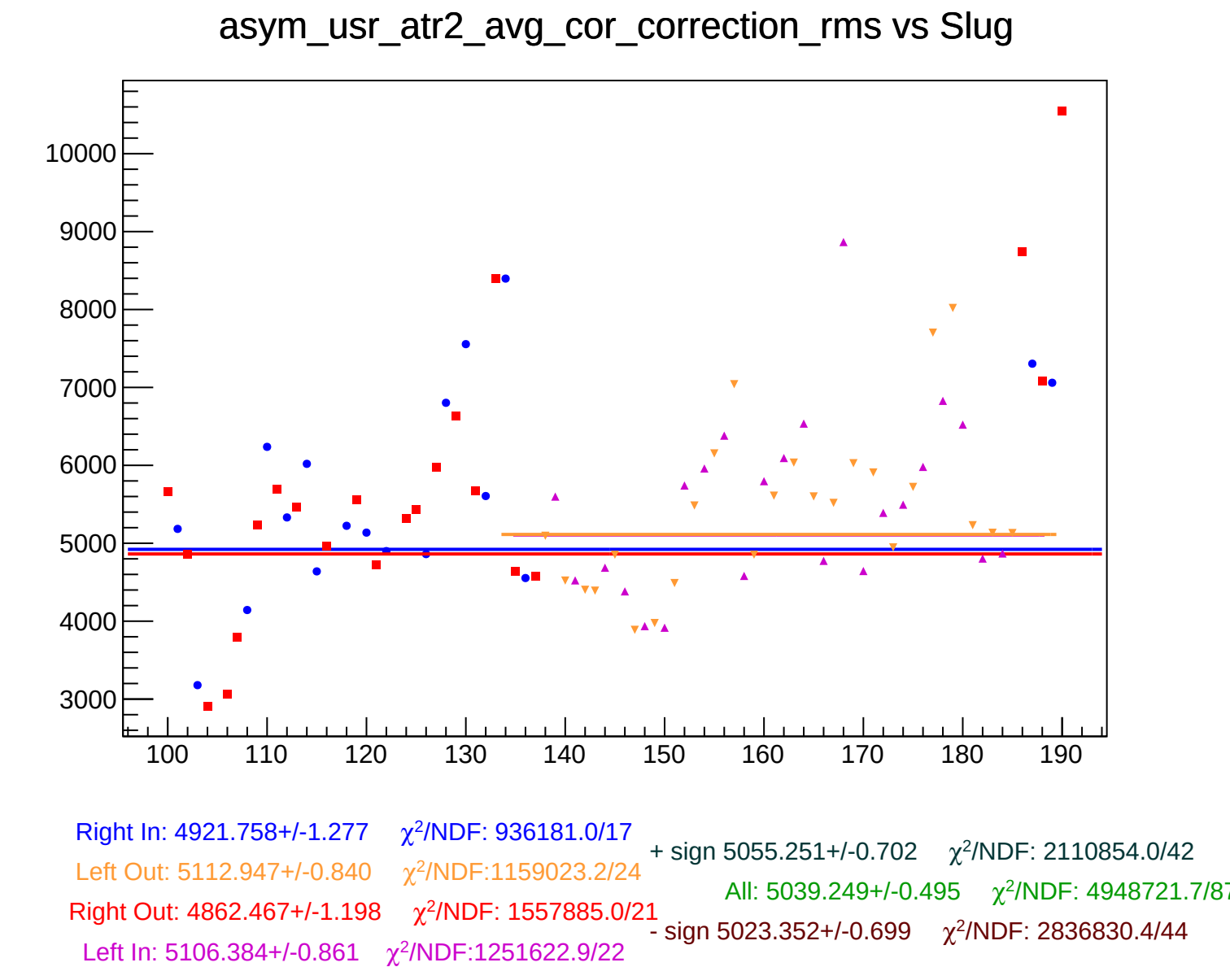
Right Out: 1995.079+/-1694.857 χ^2/NDF: 22.7/21

Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

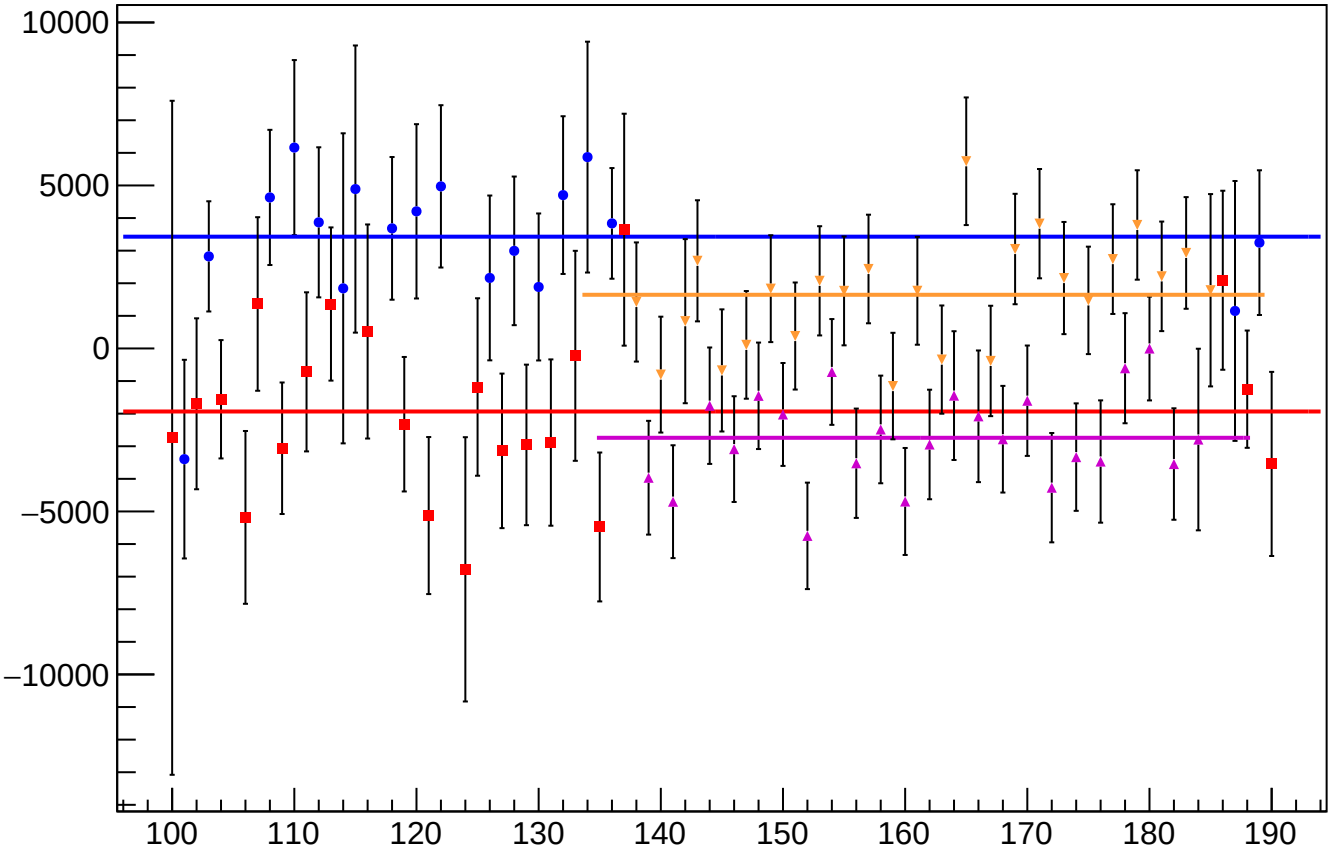
\+ sign 13.822+/-992.110 χ^2/NDF: 42.0/42

All: 379.979+/-700.376 χ^2/NDF: 80.7/87

\- sign 743.743+/-988.862 χ^2/NDF: 38.4/44


asym_usr_atr2_avg_cor_correction_rms vs Slug
10000
9000
8000
7000
6000
5000
4000
3000
100
110
120
130
140
150
160
170
180
190
Right In: 4921.758+/-1.277 χ²/NDF: 936181.0/17
Left Out: 5112.947+/-0.840 χ²/NDF:1159023.2/24
Right Out: 4862.467+/-1.198 χ²/NDF: 1557885.0/21
Left In: 5106.384+/-0.861 χ²/NDF:1251622.9/22
+ sign 5055.251+/-0.702 χ²/NDF: 2110854.0/42
All: 5039.249+/-0.495 χ²/NDF: 4948721.7/87
- sign 5023.352+/-0.699 χ²/NDF: 2836830.4/44

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: -1933.939+/-537.360 χ^2/NDF: 17.8/21

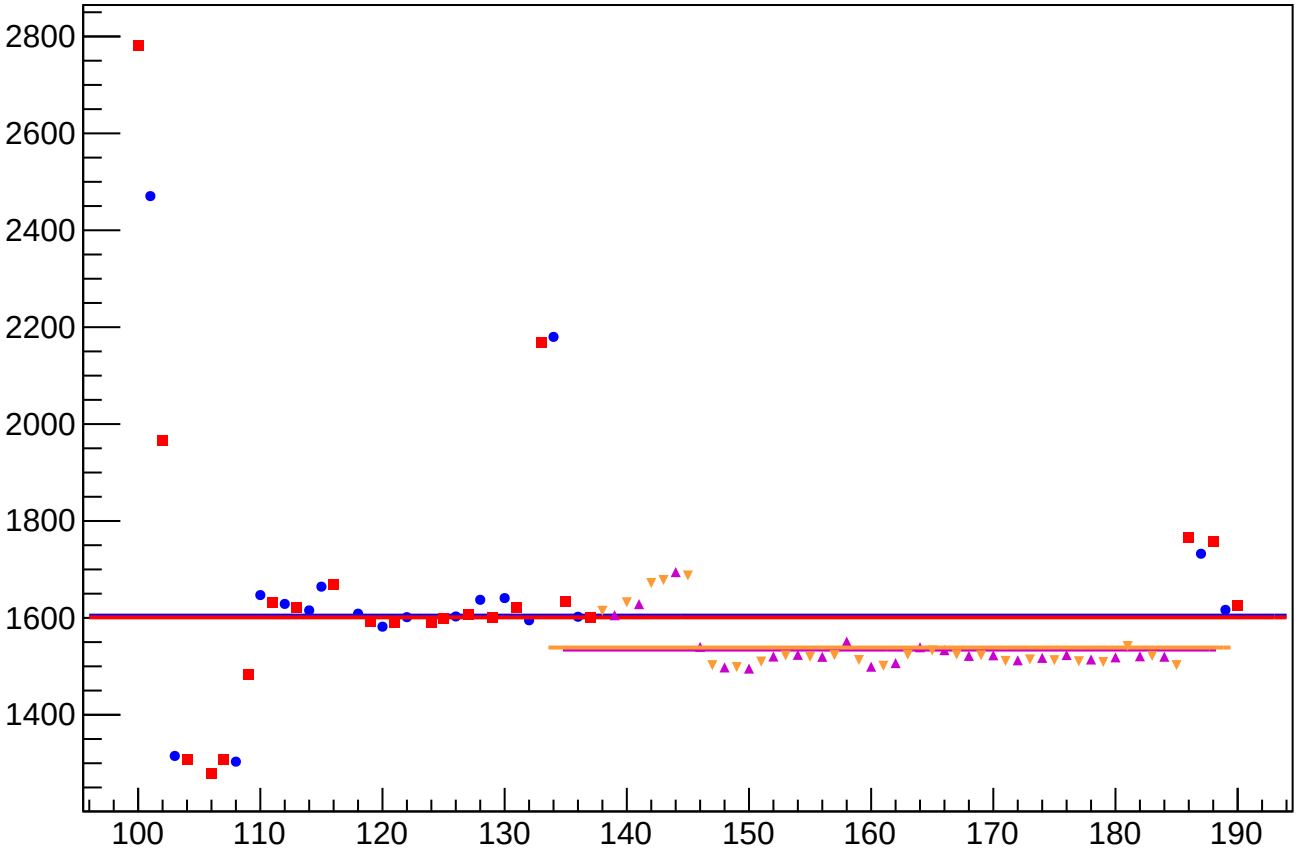
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2128.653+/-298.710 χ^2/NDF: 37.2/42

All: -185.800+/-211.039 χ^2/NDF: 192.9/87

- sign -2492.344+/-298.199 χ^2/NDF: 35.8/44

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

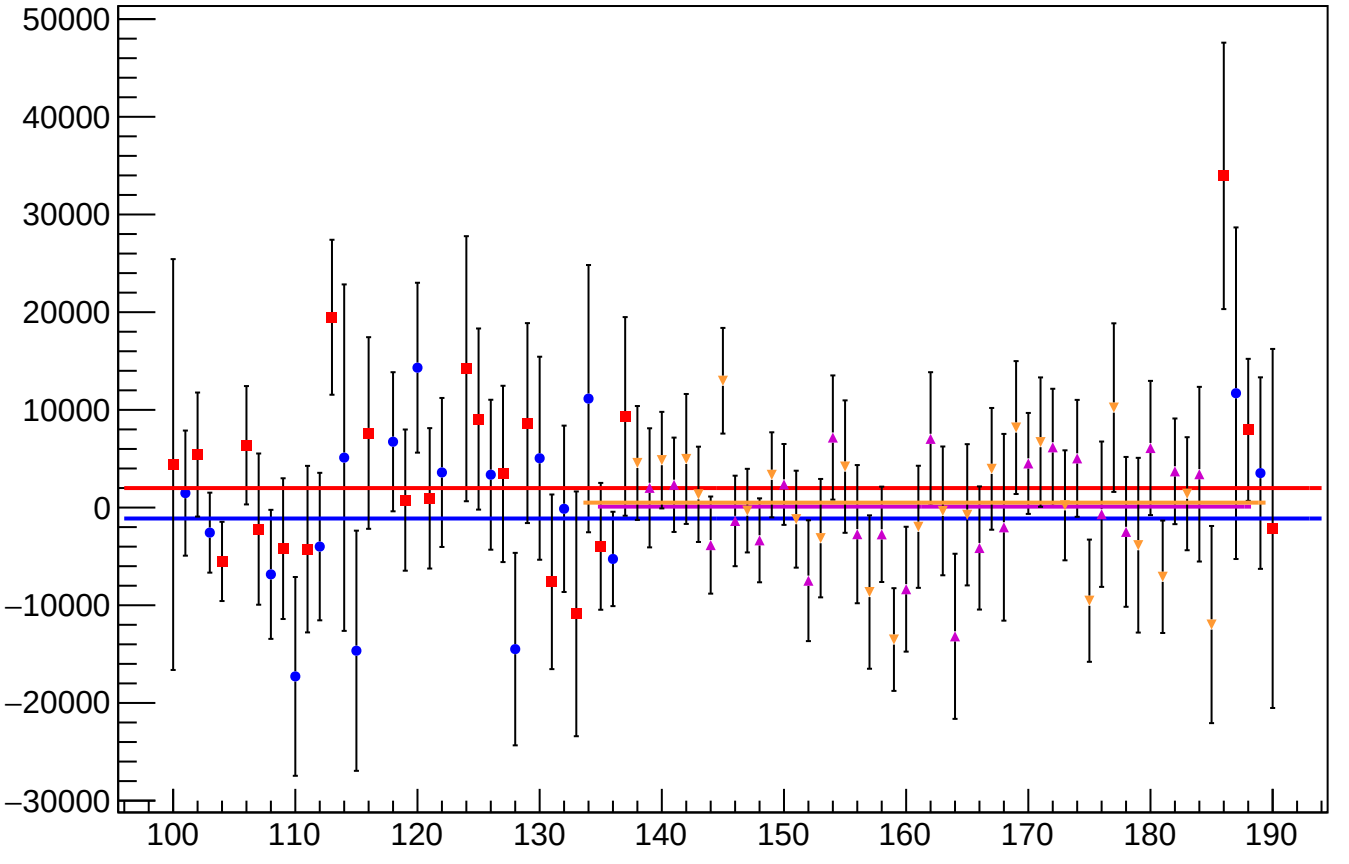
Right Out: 1601.076+/-0.379 χ^2/NDF: 269658.2/21

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1556.628+/-0.211 χ^2/NDF: 385841.6/42

All: 1555.900+/-0.149 χ^2/NDF: 707913.4/87

- sign 1555.175+/-0.211 χ^2/NDF: 322048.0/44



Right In: -1119.979+/-1806.007 χ^2/NDF: 14.7/17

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

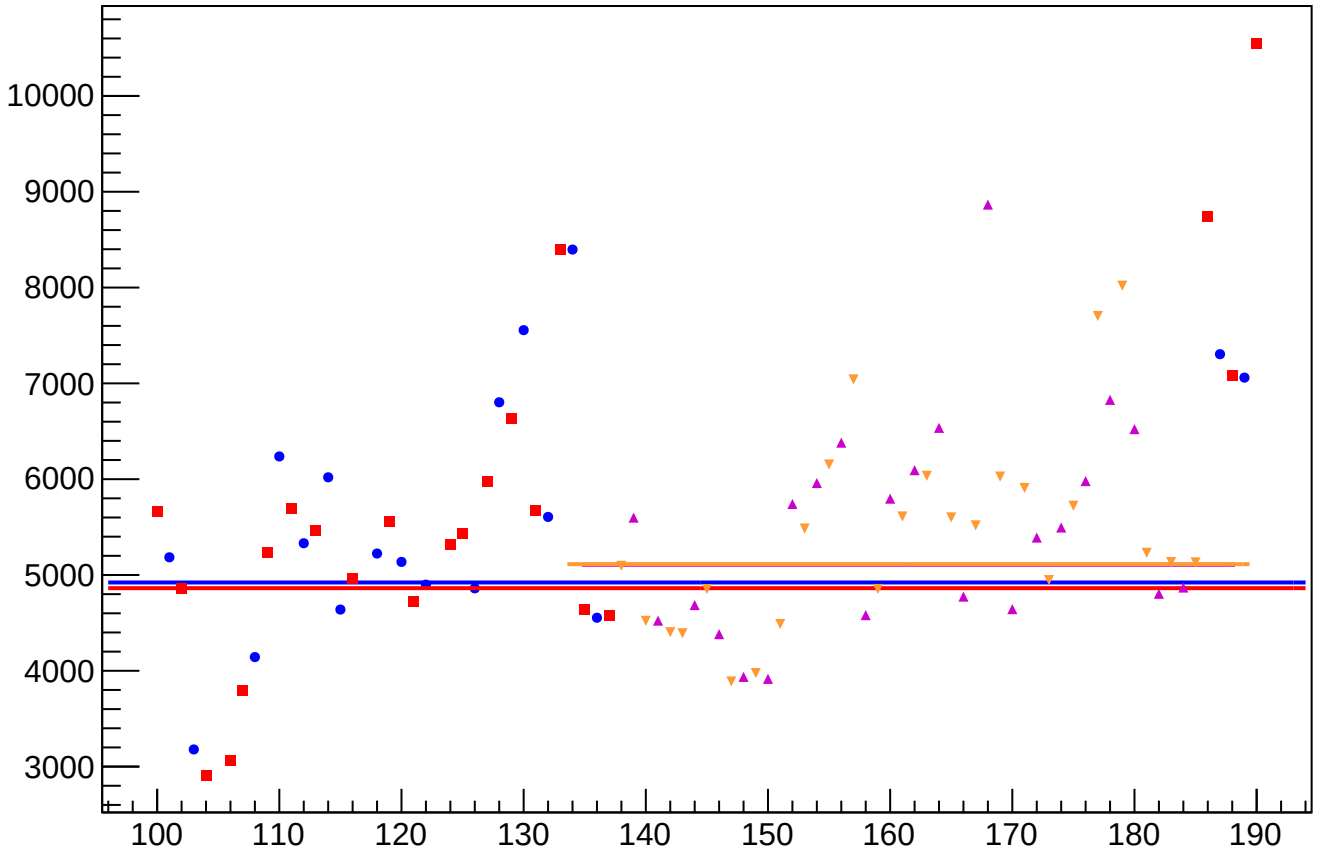
Right Out: 1995.079+/-1694.857 χ^2/NDF: 22.7/21

Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

\+ sign 13.822+/-992.110 χ^2/NDF: 42.0/42

All: 379.979+/-700.376 χ^2/NDF: 80.7/87

\- sign 743.743+/-988.862 χ^2/NDF: 38.4/44



Right In: 4921.758+/-1.277 χ^2/NDF: 936181.0/17

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

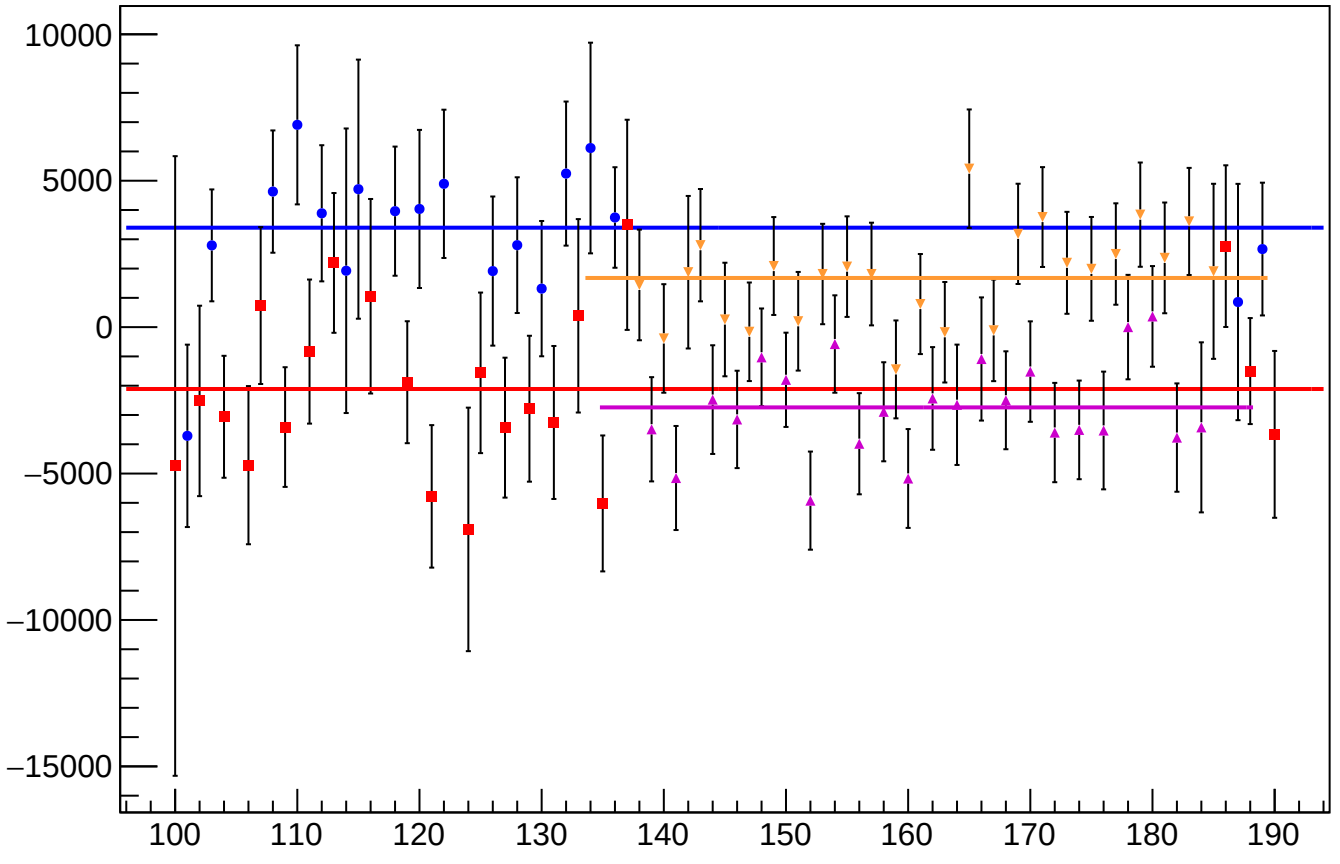
Right Out: 4862.467+/-1.198 χ^2/NDF: 1557885.0/21

Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

+ sign 5055.251+/-0.702 χ^2/NDF: 2110854.0/42

All: 5039.249+/-0.495 χ^2/NDF: 4948721.7/87

- sign 5023.352+/-0.699 χ^2/NDF: 2836830.4/44



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: -2112.190+/-553.071 χ^2/NDF: 20.8/21

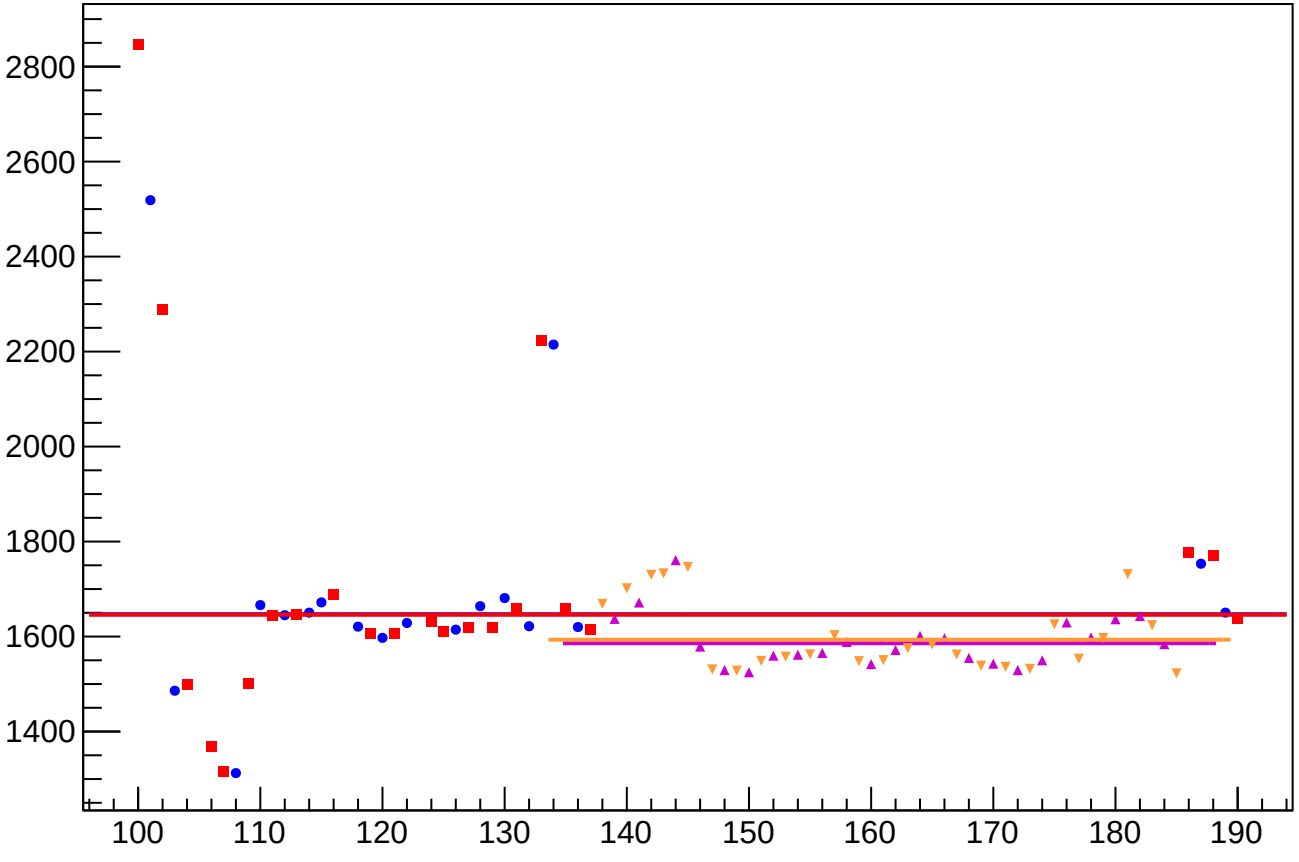
Left In: -2740.666+/-370.604 χ^2/NDF:19.2/22

+ sign 2150.973+/-308.611 χ^2/NDF: 36.0/42

All: -203.078+/-217.960 χ^2/NDF: 193.0/87

- sign -2545.917+/-307.875 χ^2/NDF: 40.9/44

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

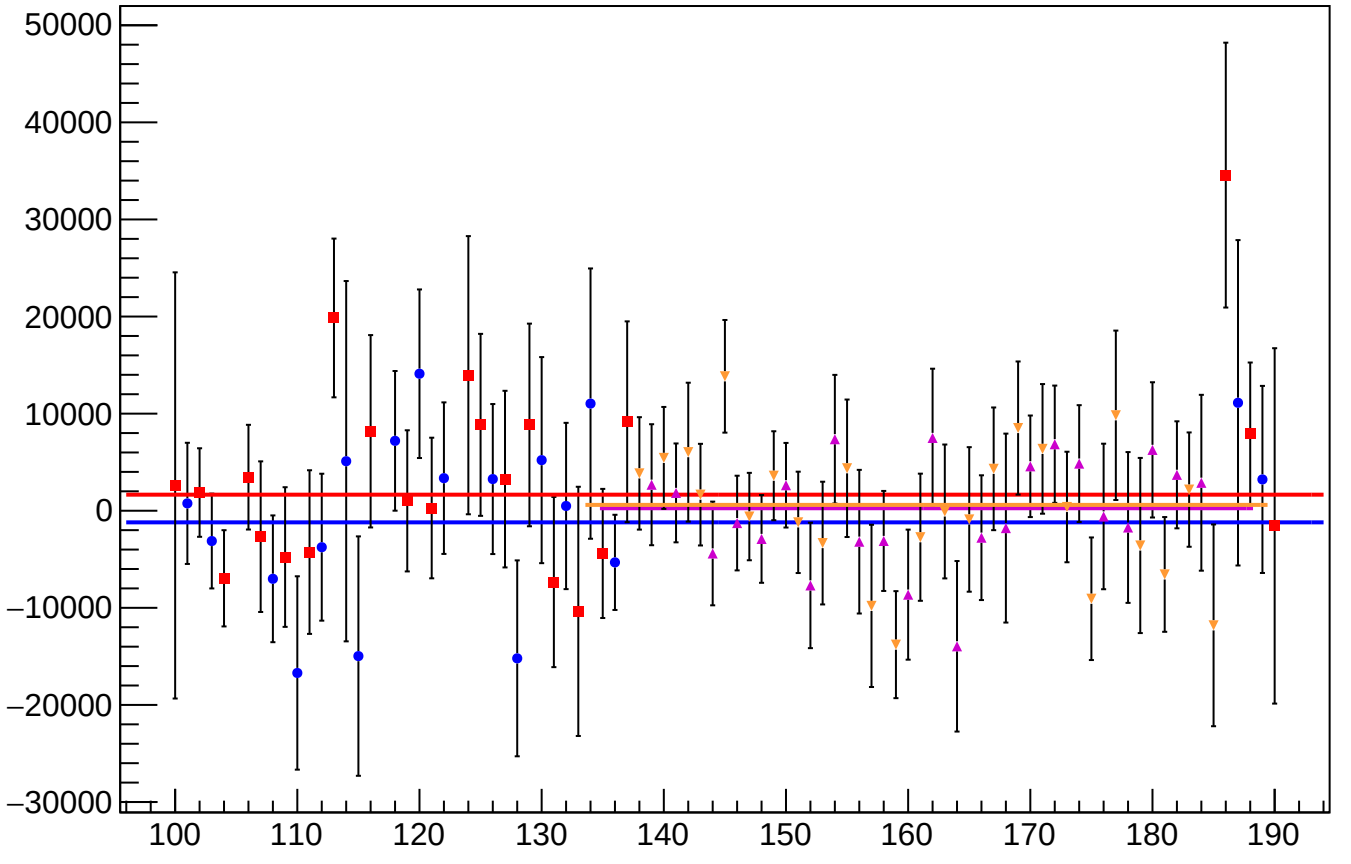
Right Out: 1646.040+/-0.391 χ^2/NDF: 253572.7/21

Left In: 1585.918+/-0.262 χ^2/NDF:41915.3/22

+ sign 1608.102+/-0.218 χ^2/NDF: 360127.6/42

All: 1606.330+/-0.154 χ^2/NDF: 672073.7/87

- sign 1604.567+/-0.218 χ^2/NDF: 311814.6/44



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: 1654.518+/-1680.534 χ^2/NDF: 21.9/21

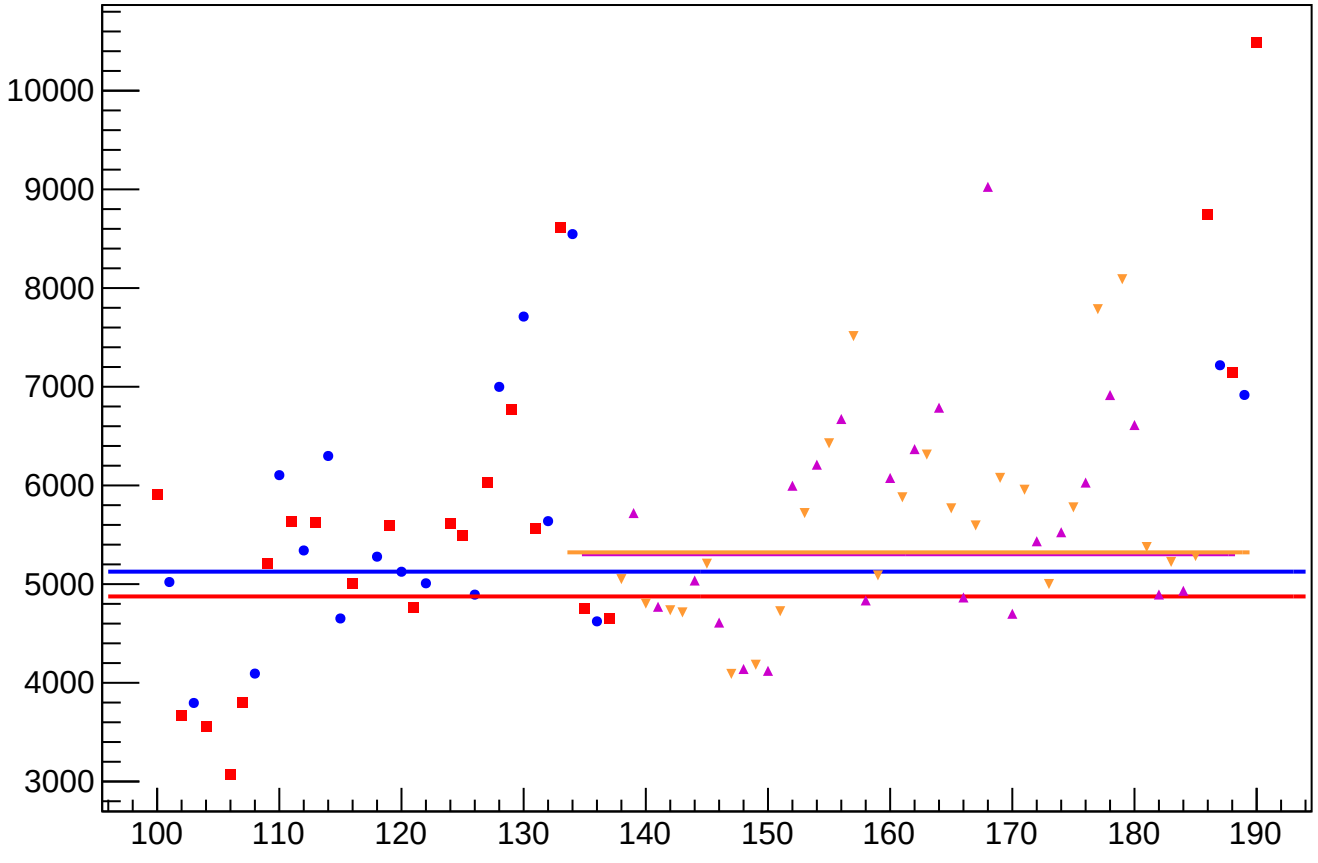
Left In: 255.905+/-1262.607 χ^2/NDF:14.6/22

\+ sign 54.544+/-1028.941 χ^2/NDF: 41.3/42

All: 414.289+/-720.581 χ^2/NDF: 78.5/87

\- sign 760.534+/-1009.449 χ^2/NDF: 37.0/44

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: 4875.150+/-1.188 χ^2/NDF: 1443410.1/21

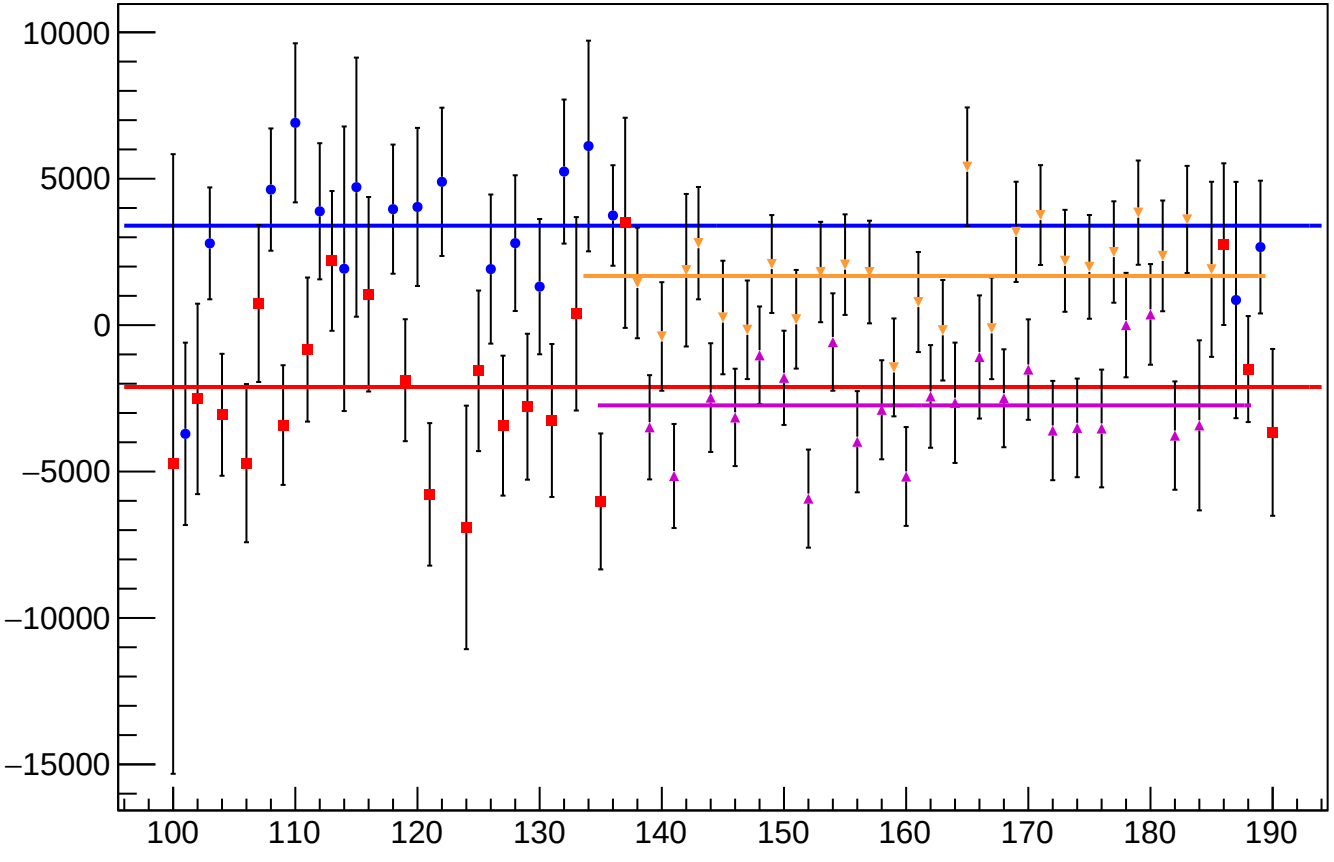
Left In: 5302.849+/-0.893 χ^2/NDF:1152376.1/22

+ sign 5262.455+/-0.728 χ^2/NDF: 1723242.1/42

All: 5204.404+/-0.510 χ^2/NDF: 4414324.1/87

- sign 5148.533+/-0.714 χ^2/NDF: 2678589.1/44

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: -2112.193+/-553.071 χ^2/NDF: 20.8/21

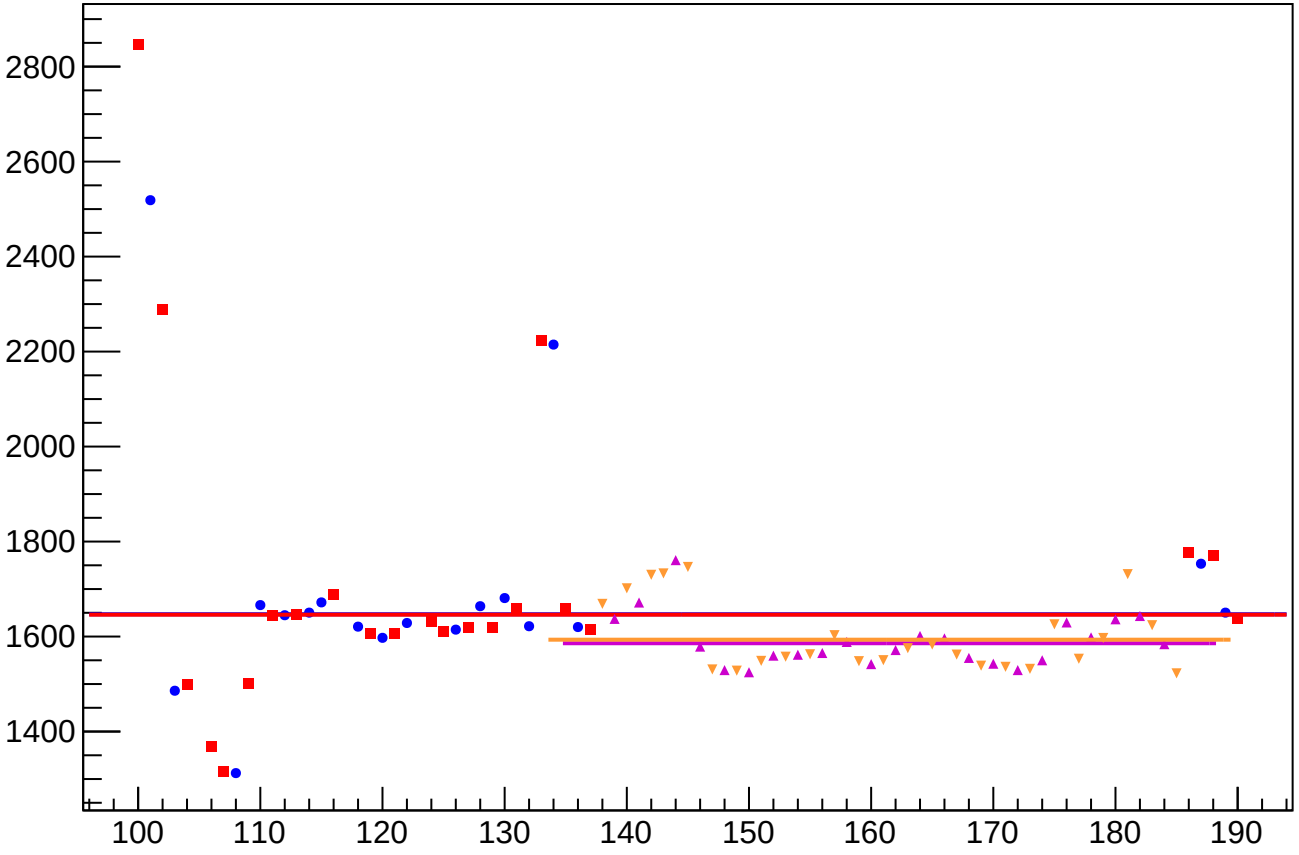
Left In: -2740.666+/-370.605 χ^2/NDF:19.2/22

+ sign 2150.970+/-308.611 χ^2/NDF: 36.0/42

All: -203.081+/-217.960 χ^2/NDF: 193.0/87

- sign -2545.918+/-307.875 χ^2/NDF: 40.9/44

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

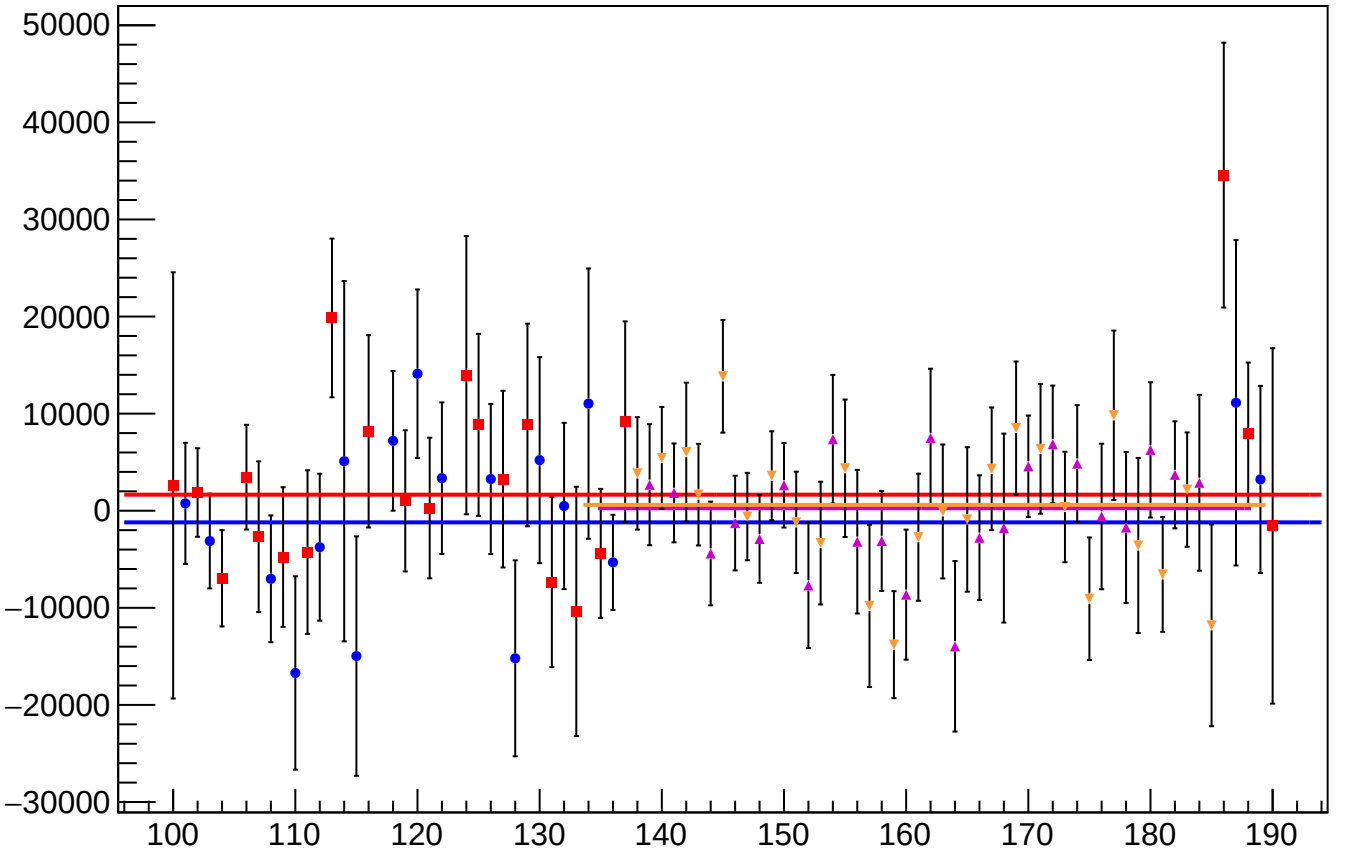
Right Out: 1646.040+/-0.391 χ^2/NDF: 253572.4/21

Left In: 1585.919+/-0.262 χ^2/NDF:41915.1/22

+ sign 1608.102+/-0.218 χ^2/NDF: 360126.9/42

All: 1606.330+/-0.154 χ^2/NDF: 672071.8/87

- sign 1604.568+/-0.218 χ^2/NDF: 311813.3/44



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: 1654.517+/-1680.531 χ^2/NDF: 21.9/21

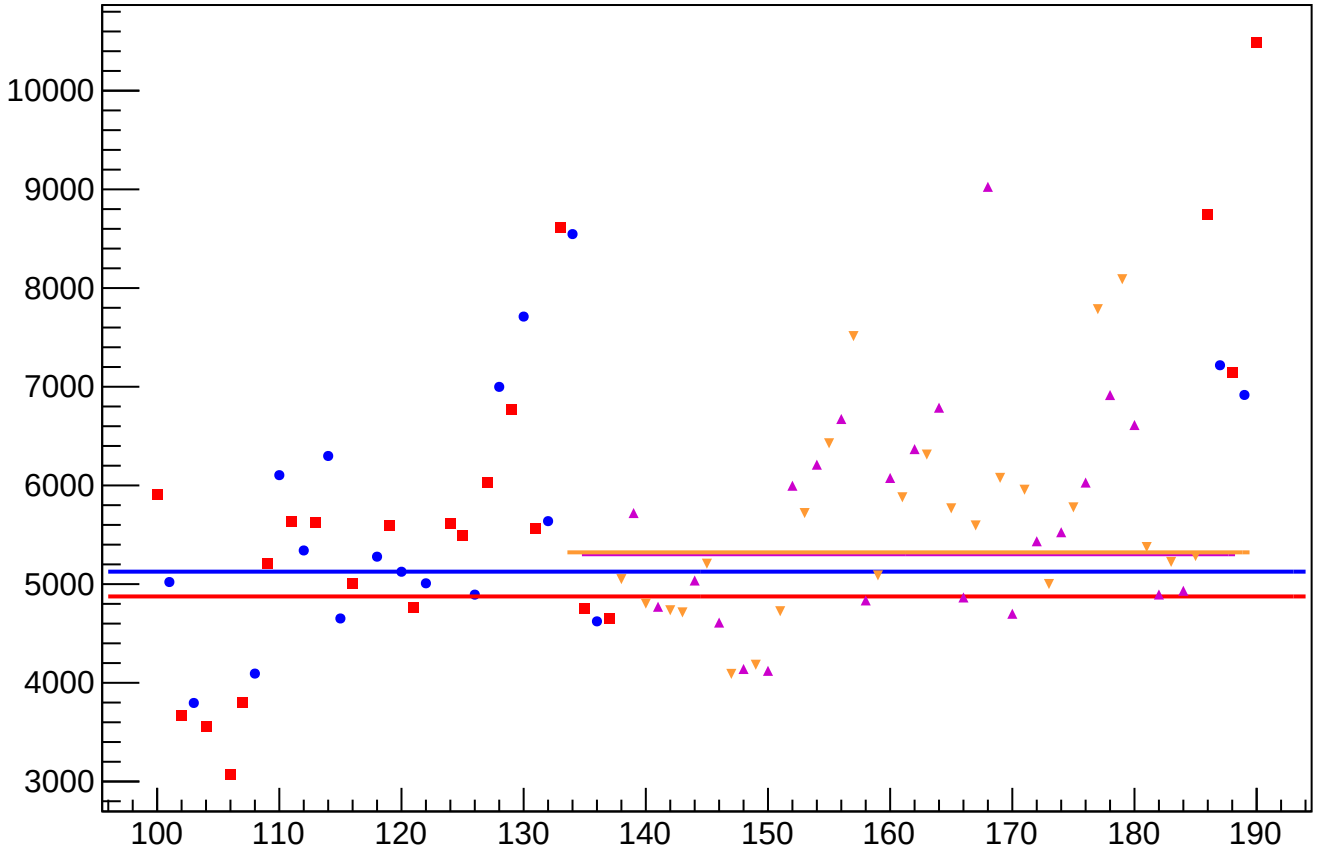
Left In: 255.907+/-1262.609 χ^2/NDF:14.6/22

\+ sign 54.544+/-1028.942 χ^2/NDF: 41.3/42

All: 414.291+/-720.581 χ^2/NDF: 78.5/87

\- sign 760.537+/-1009.450 χ^2/NDF: 37.0/44

asym_usr_atr2_avg_eigen_dit_correction_rms vs Slug



Right In: 5126.375+/-1.319 χ^2/NDF: 670933.3/17

Left Out: 5321.965+/-0.872 χ^2/NDF:1037011.4/24

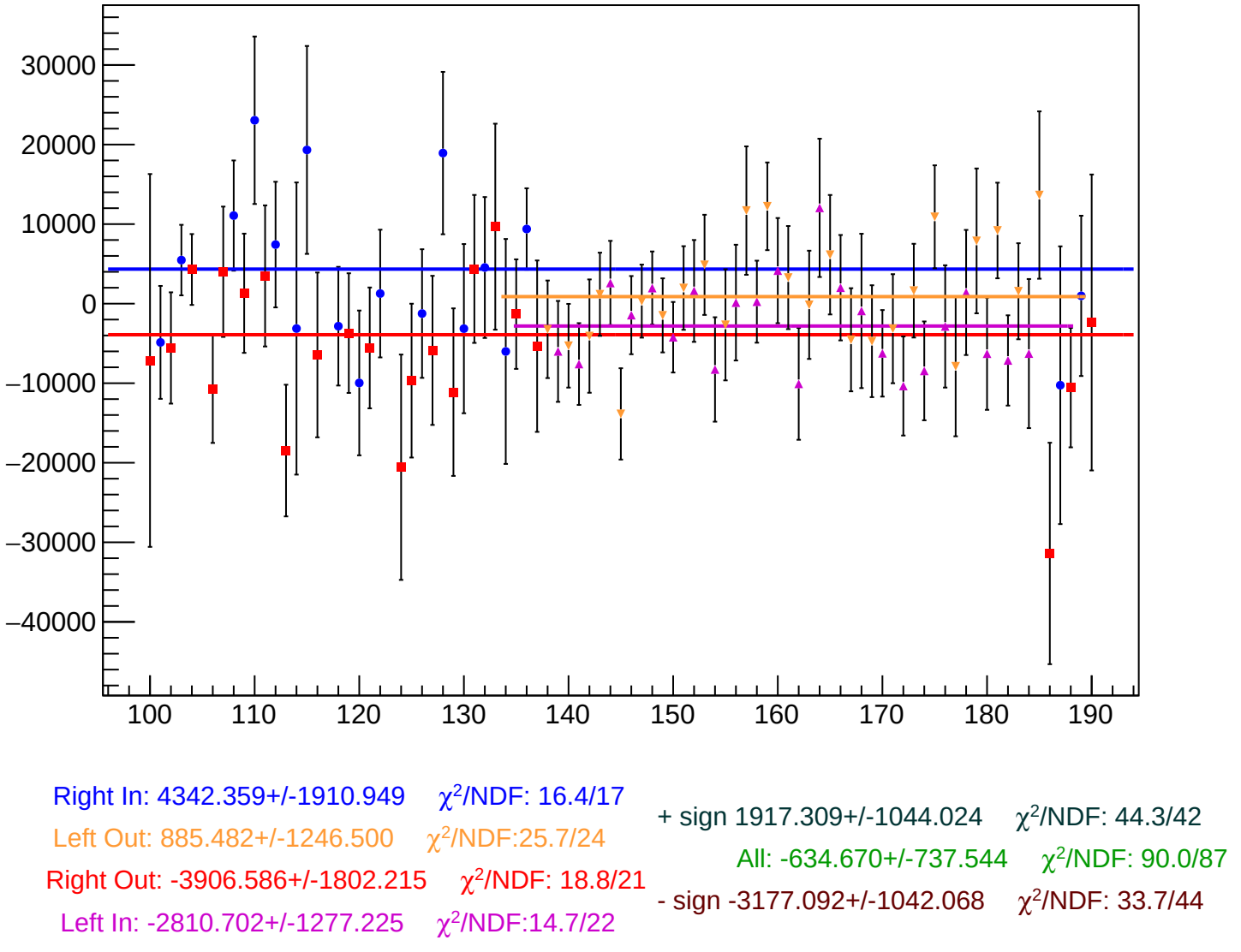
Right Out: 4875.143+/-1.188 χ^2/NDF: 1443406.3/21

Left In: 5302.858+/-0.893 χ^2/NDF:1152380.1/22

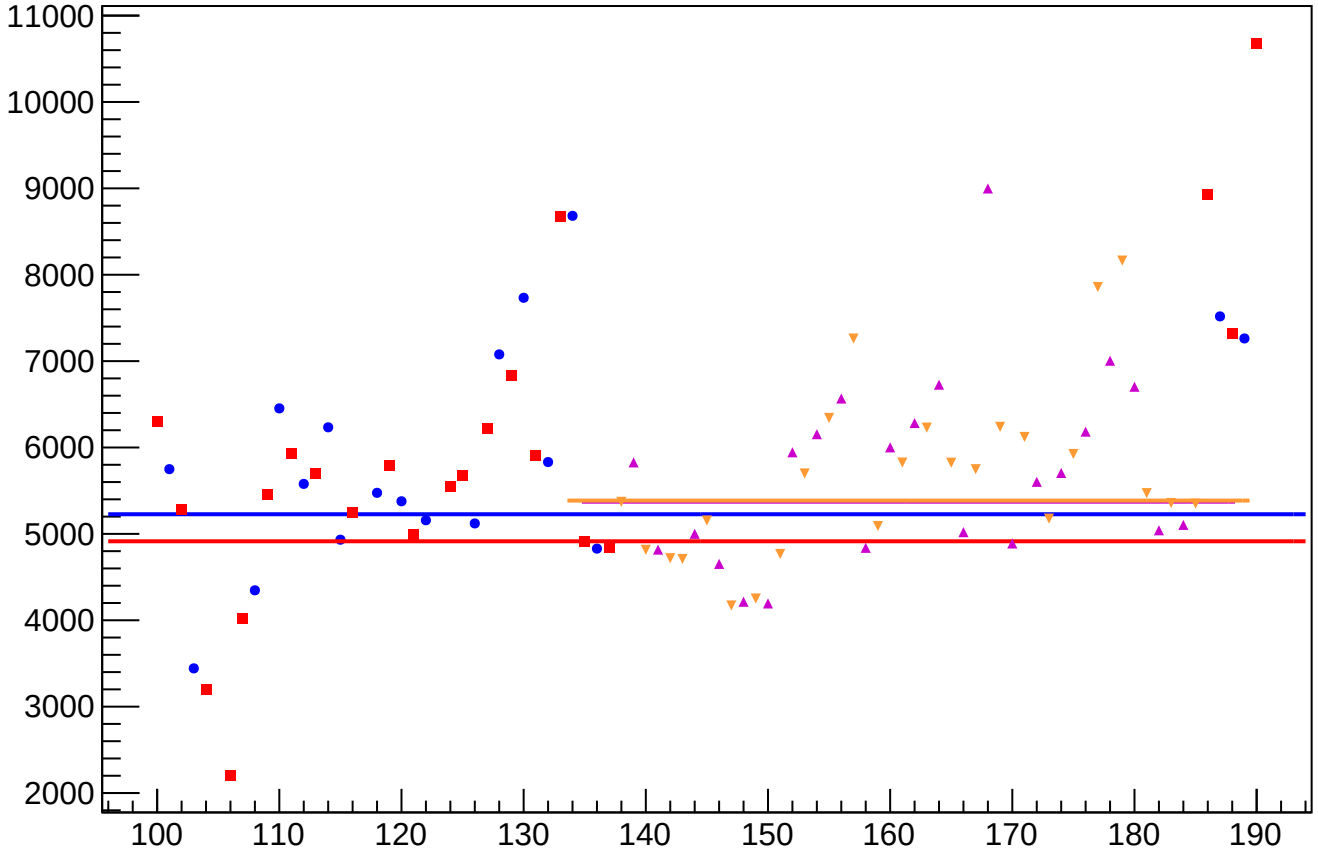
+ sign 5262.459+/-0.728 χ^2/NDF: 1723242.1/42

All: 5204.408+/-0.510 χ^2/NDF: 4414330.6/87

- sign 5148.535+/-0.714 χ^2/NDF: 2678595.3/44


asym_usr_atr2_avg_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: 4342.359+/-1910.949 χ²/NDF: 16.4/17
Left Out: 885.482+/-1246.500 χ²/NDF:25.7/24
Right Out: -3906.586+/-1802.215 χ²/NDF: 18.8/21
Left In: -2810.702+/-1277.225 χ²/NDF:14.7/22
+ sign 1917.309+/-1044.024 χ²/NDF: 44.3/42
All: -634.670+/-737.544 χ²/NDF: 90.0/87
- sign -3177.092+/-1042.068 χ²/NDF: 33.7/44

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

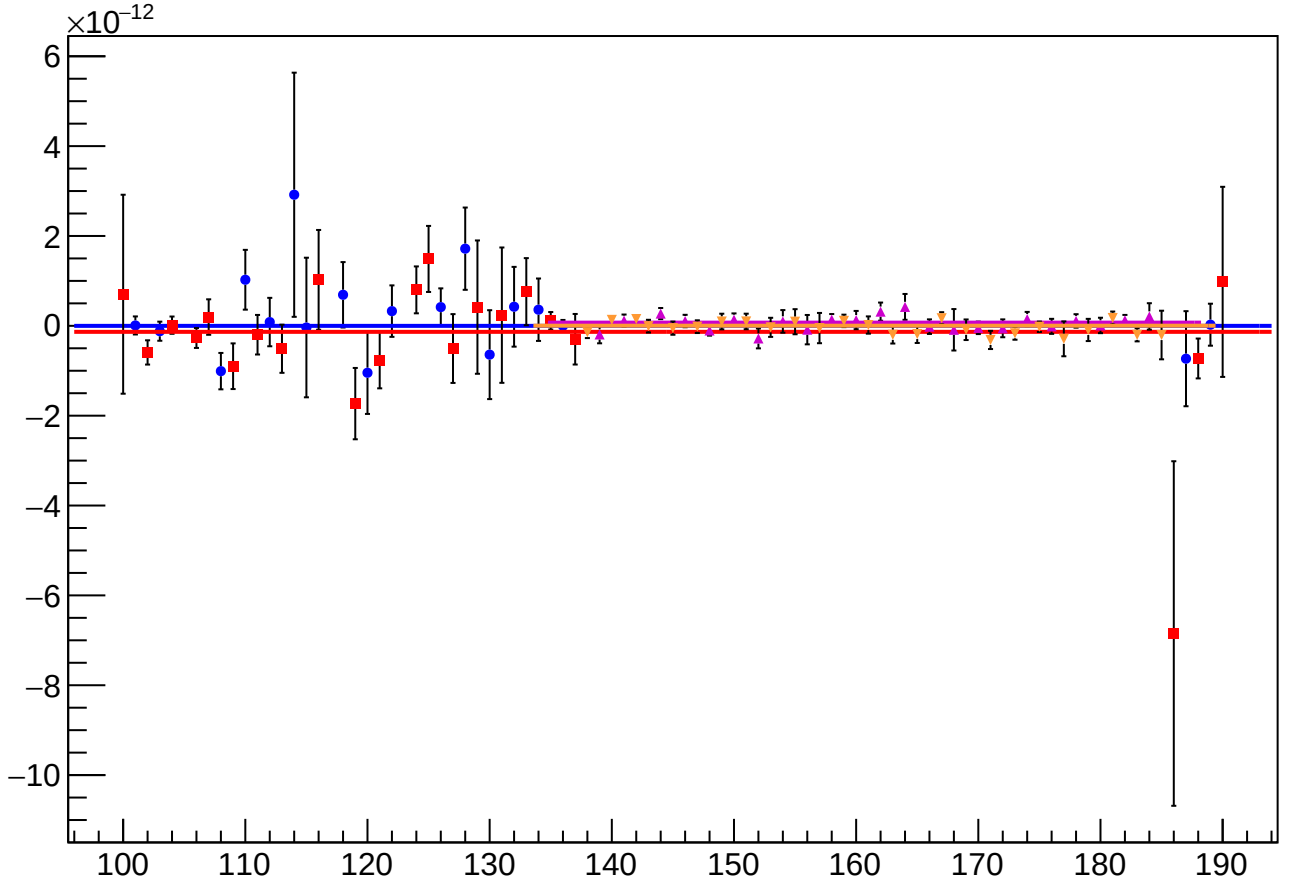
Right Out: 4914.364+/-1.229 χ^2/NDF: 1950836.4/21

Left In: 5372.867+/-0.903 χ^2/NDF:1071821.2/22

+ sign 5338.414+/-0.738 χ^2/NDF: 1838967.6/42

All: 5274.394+/-0.518 χ^2/NDF: 4966793.2/87

- sign 5212.162+/-0.728 χ^2/NDF: 3112994.7/44



Right In: -0.000+/-0.000 χ^2/NDF: 18.5/17

Left Out: 0.000+/-0.000 χ^2/NDF:18.3/24

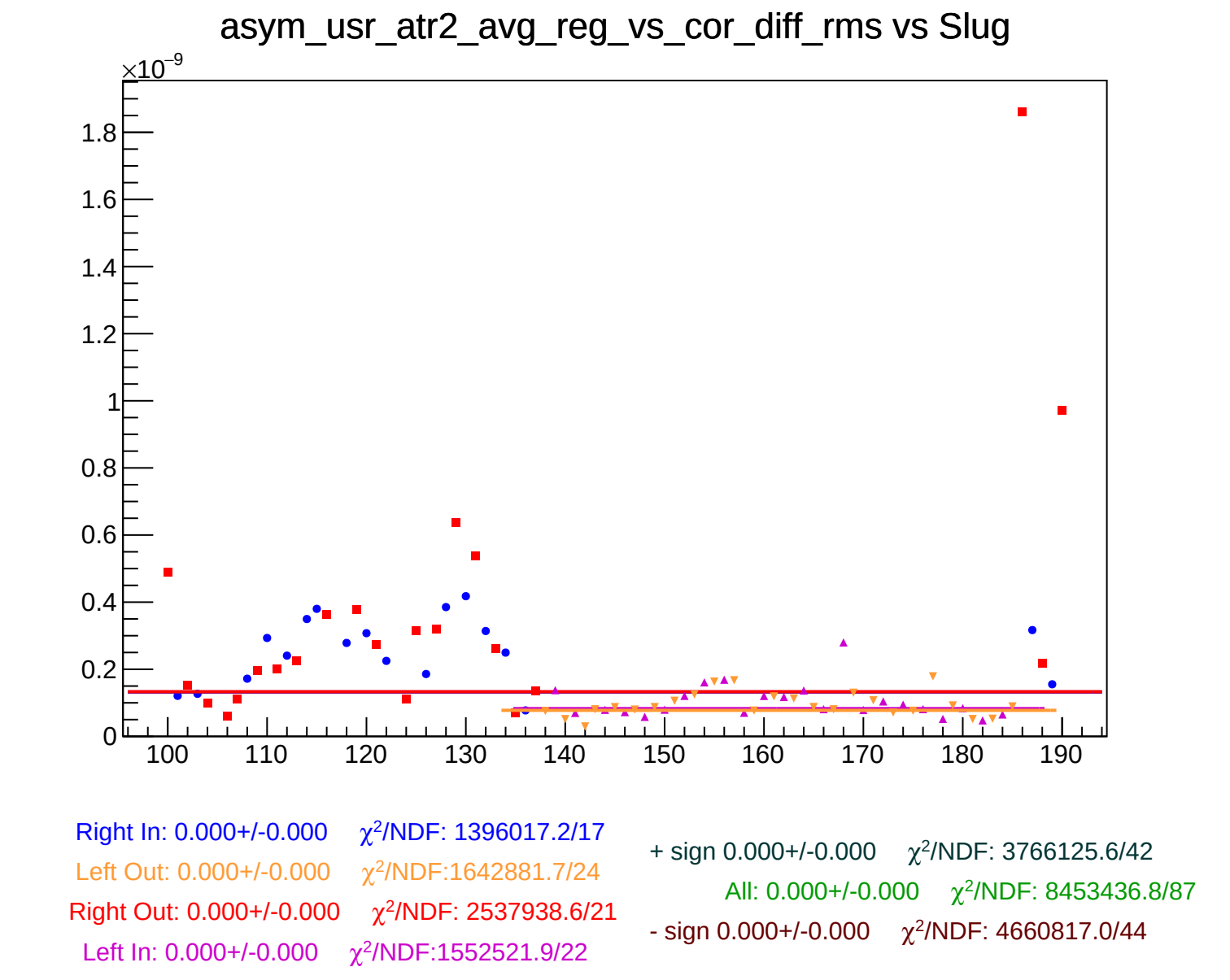
Right Out: -0.000+/-0.000 χ^2/NDF: 30.4/21

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

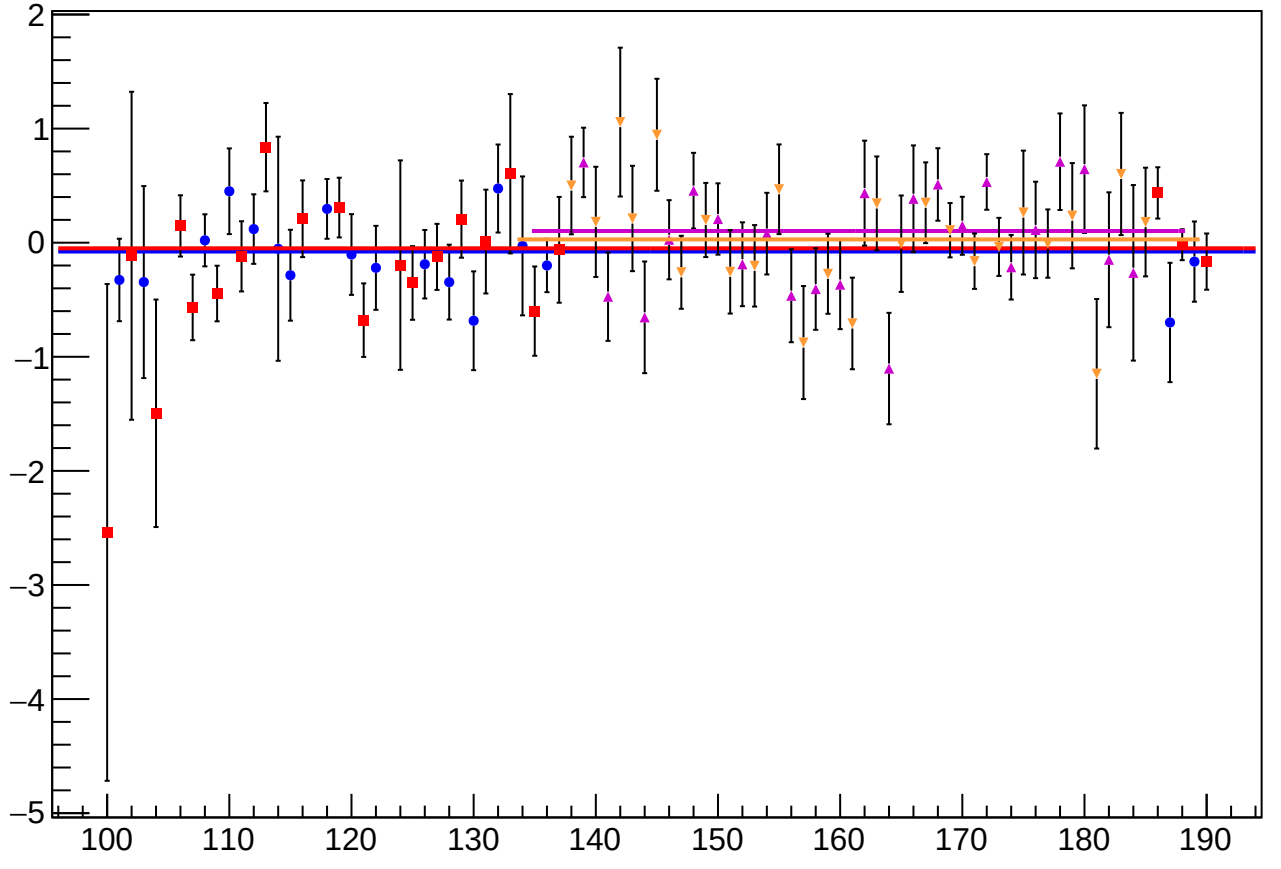
+ sign 0.000+/-0.000 χ^2/NDF: 36.8/42

All: 0.000+/-0.000 χ^2/NDF: 88.7/87

- sign 0.000+/-0.000 χ^2/NDF: 51.0/44


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: 2537938.6/21
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: 8453436.8/87
- sign 0.000+/-0.000 χ²/NDF: 4660817.0/44

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: -0.049+/-0.065 χ^2/NDF: 30.8/21

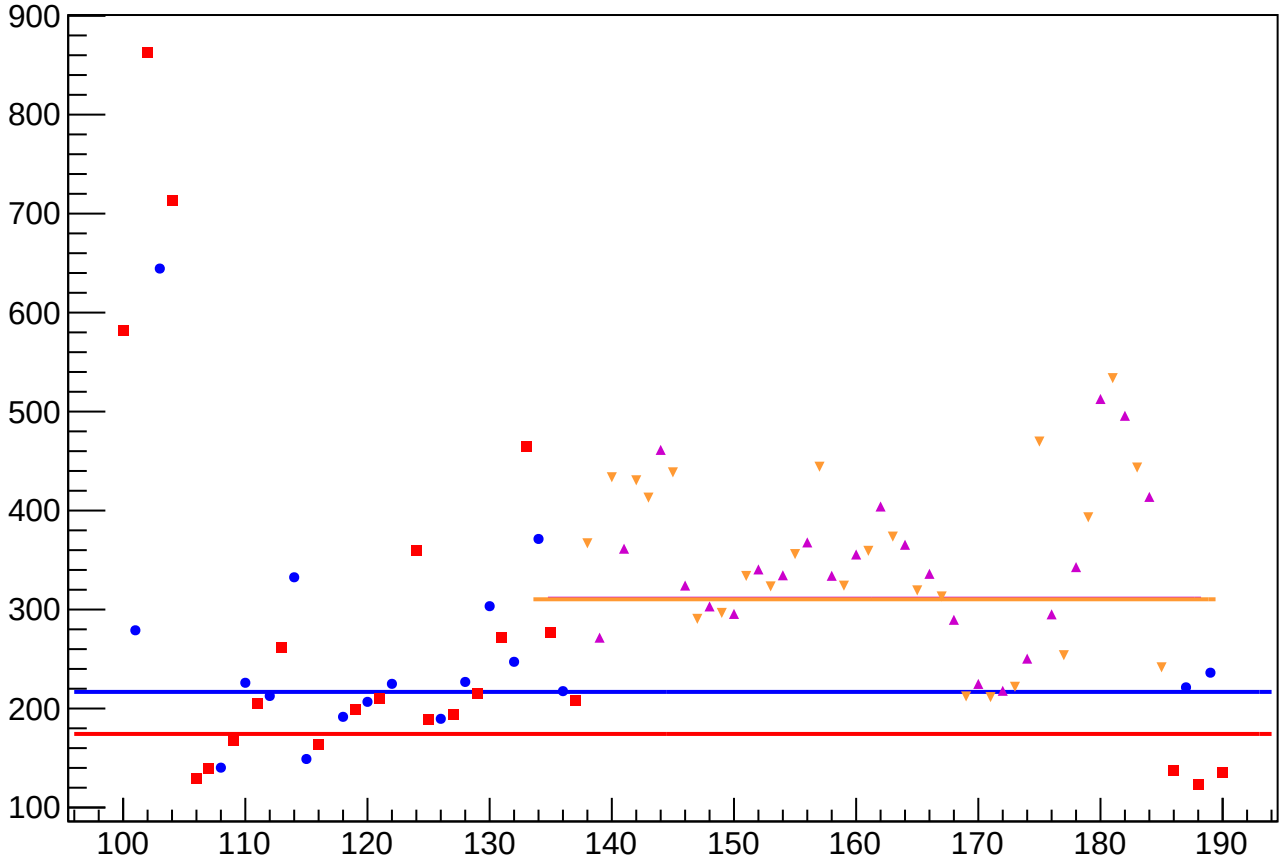
Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.019+/-0.055 χ^2/NDF: 38.5/42

All: -0.000+/-0.037 χ^2/NDF: 104.0/87

- sign 0.015+/-0.050 χ^2/NDF: 65.3/44

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

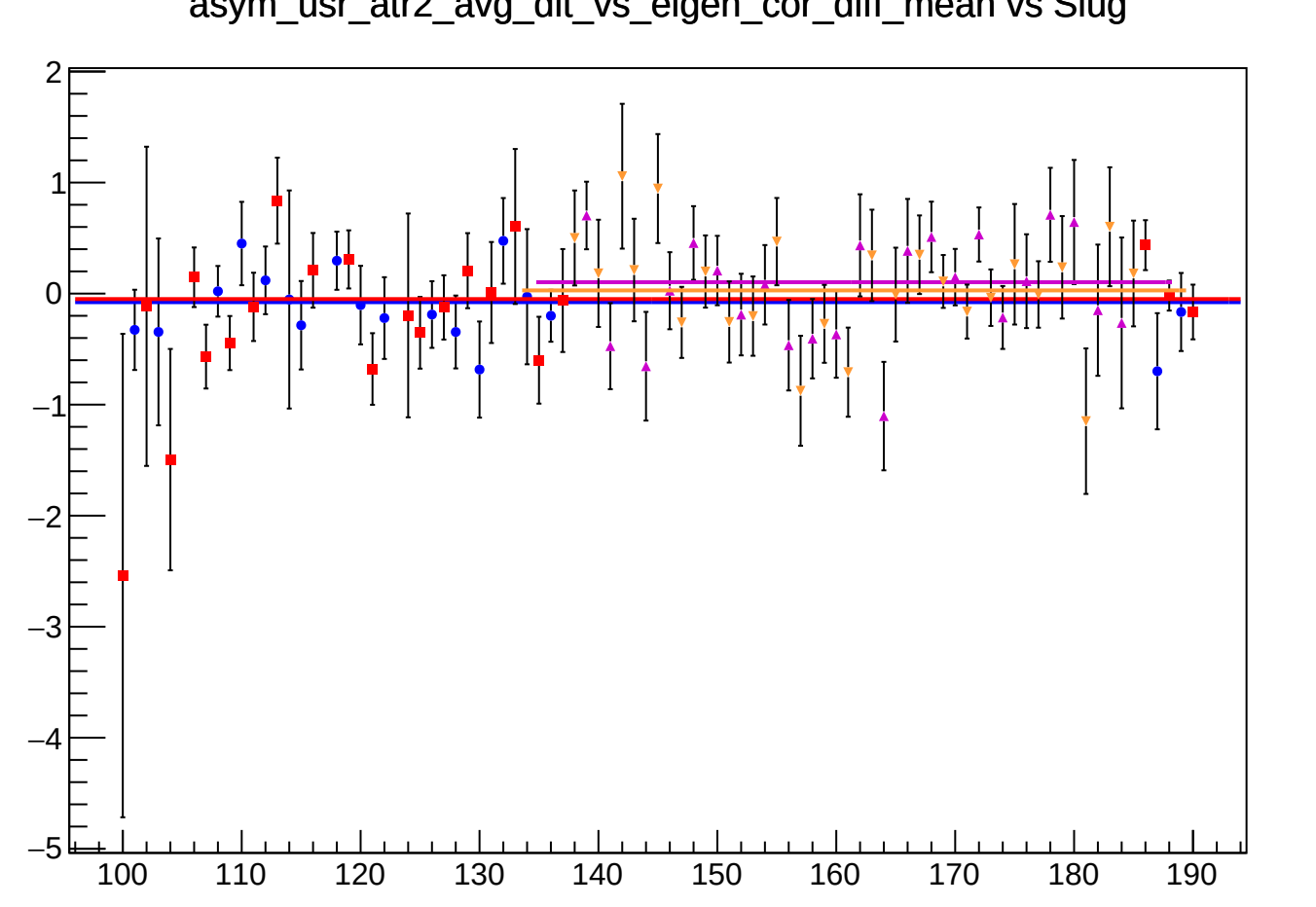
Right Out: 174.324+/-0.046 χ^2/NDF: 2467297.2/21

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 267.957+/-0.039 χ^2/NDF: 4941788.9/42

All: 248.051+/-0.026 χ^2/NDF: 13188759.7/87

- sign 232.020+/-0.035 χ^2/NDF: 7777695.4/44



Right In: -0.077+/-0.082 χ^2/NDF: 12.2/17

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

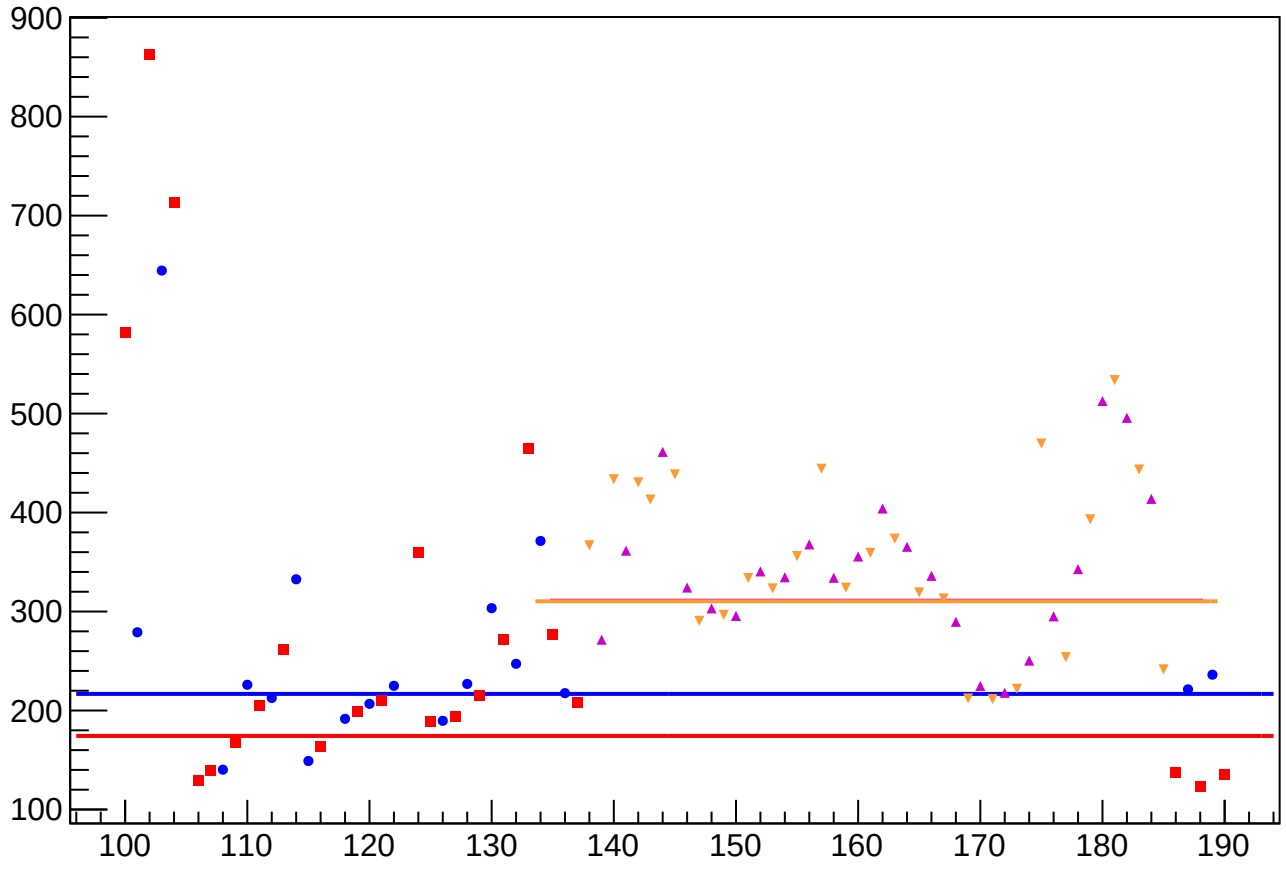
Right Out: -0.049+/-0.065 χ^2/NDF: 30.8/21

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

\+ sign -0.019+/-0.055 χ^2/NDF: 38.5/42

All: -0.000+/-0.037 χ^2/NDF: 104.0/87

\- sign 0.015+/-0.050 χ^2/NDF: 65.3/44



Right In: 216.789+/-0.058 χ^2/NDF: 1155417.1/17

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

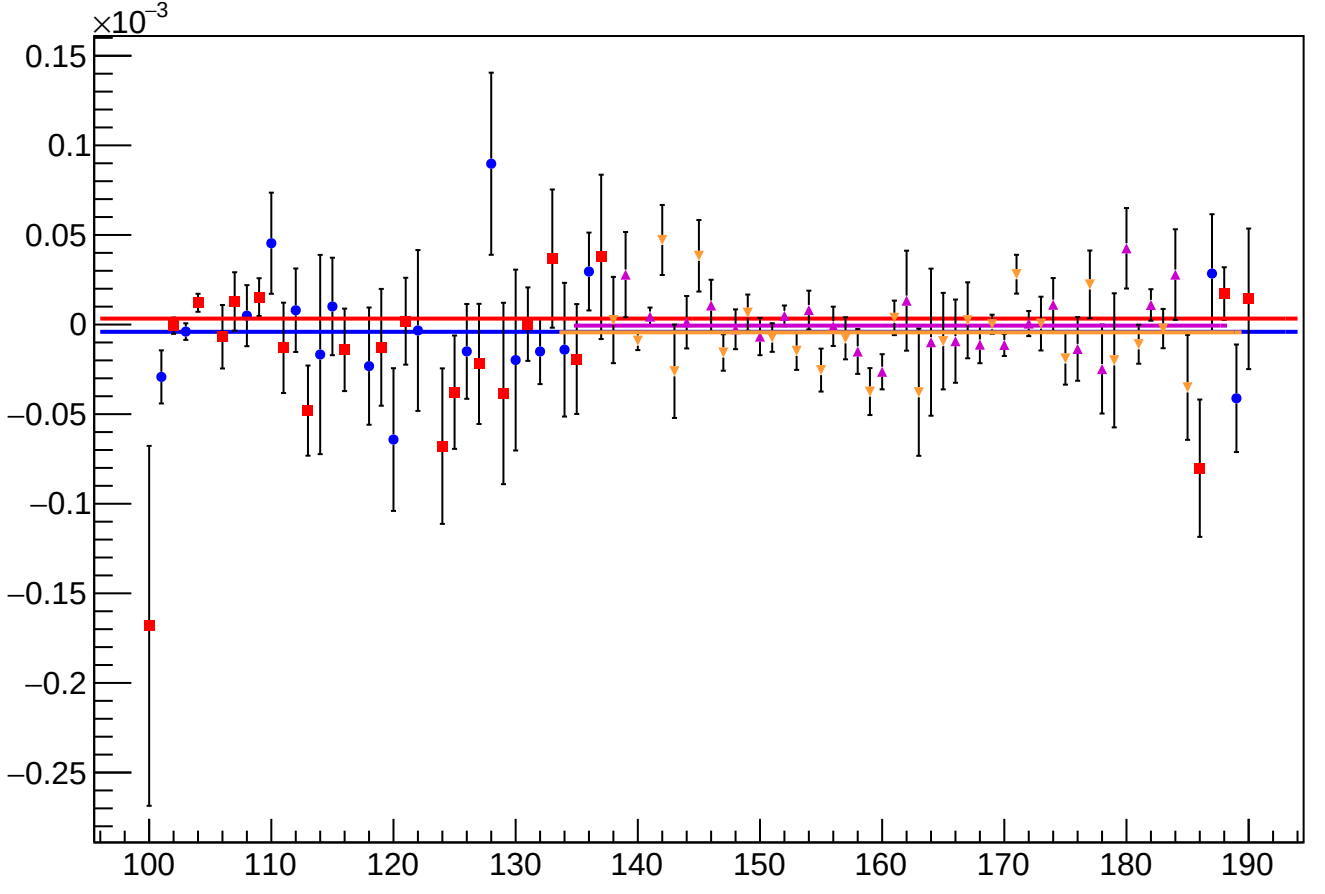
Right Out: 174.324+/-0.046 χ^2/NDF: 2467297.2/21

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 267.957+/-0.039 χ^2/NDF: 4941788.9/42

All: 248.051+/-0.026 χ^2/NDF: 13188759.7/87

- sign 232.020+/-0.035 χ^2/NDF: 7777695.4/44



Right In: -0.000+/-0.000 χ^2/NDF: 18.4/17

Left Out: -0.000+/-0.000 χ^2/NDF:42.3/24

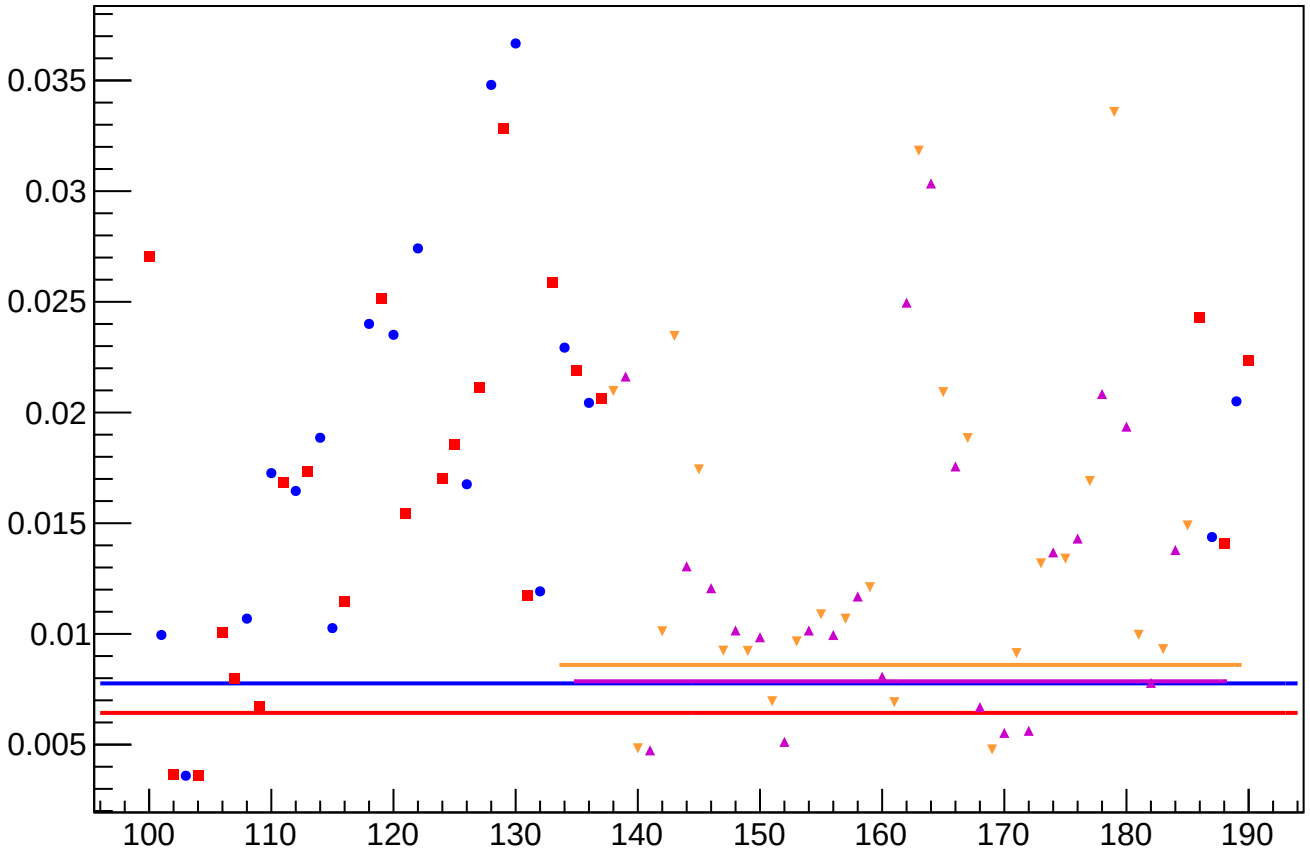
Right Out: 0.000+/-0.000 χ^2/NDF: 27.4/21

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: 119.8/87

- sign 0.000+/-0.000 χ^2/NDF: 55.1/44



Right In: 0.008+/-0.000 χ^2/NDF: 6527987.9/17

Left Out: 0.009+/-0.000 χ^2/NDF:7653564.7/24

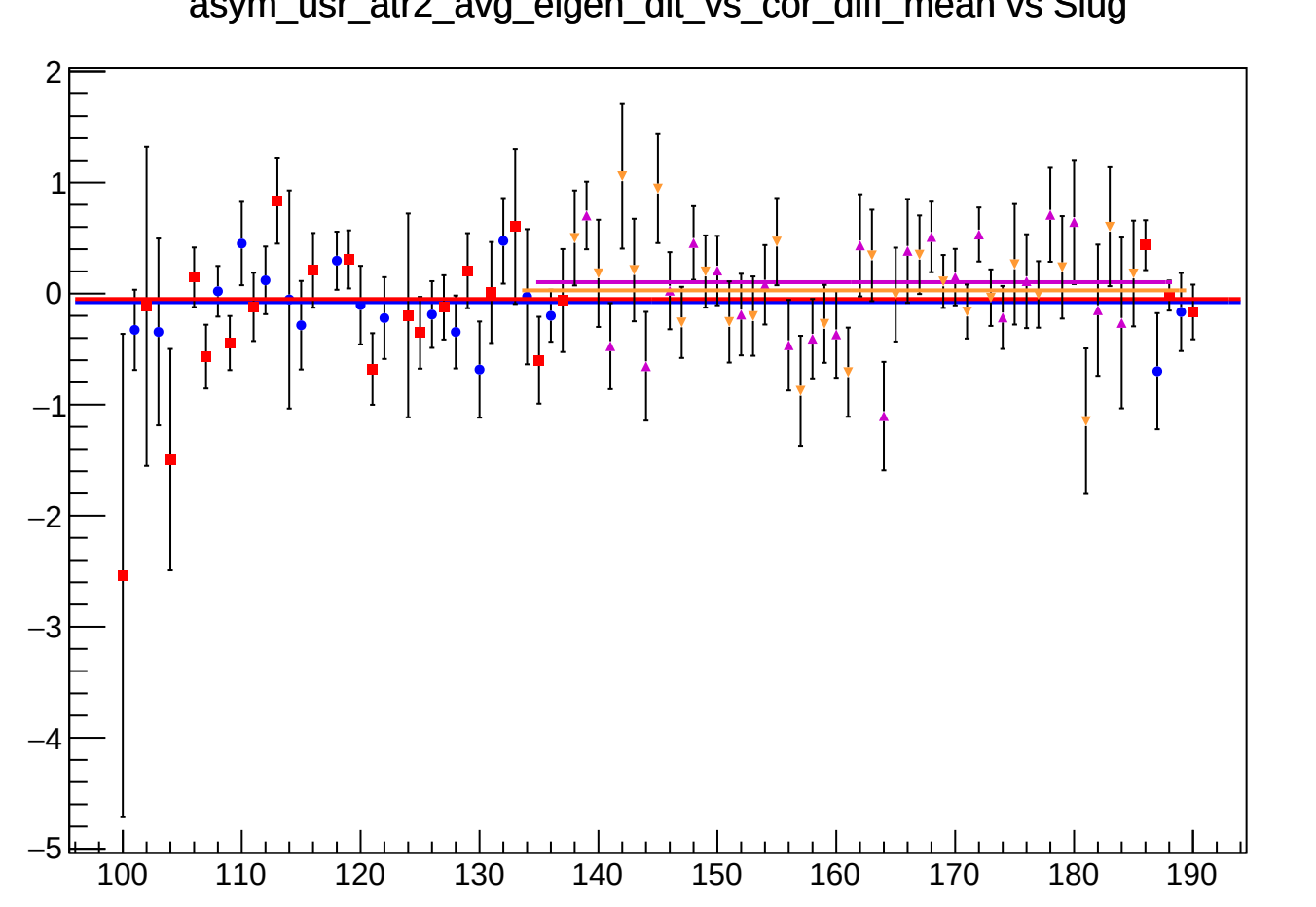
Right Out: 0.006+/-0.000 χ^2/NDF: 7294743.3/21

Left In: 0.008+/-0.000 χ^2/NDF:6779815.5/22

+ sign 0.008+/-0.000 χ^2/NDF: 14254819.9/42

All: 0.008+/-0.000 χ^2/NDF: 28978782.1/87

- sign 0.007+/-0.000 χ^2/NDF: 14397814.4/44



Right In: -0.077+/-0.082 χ^2/NDF: 12.2/17

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

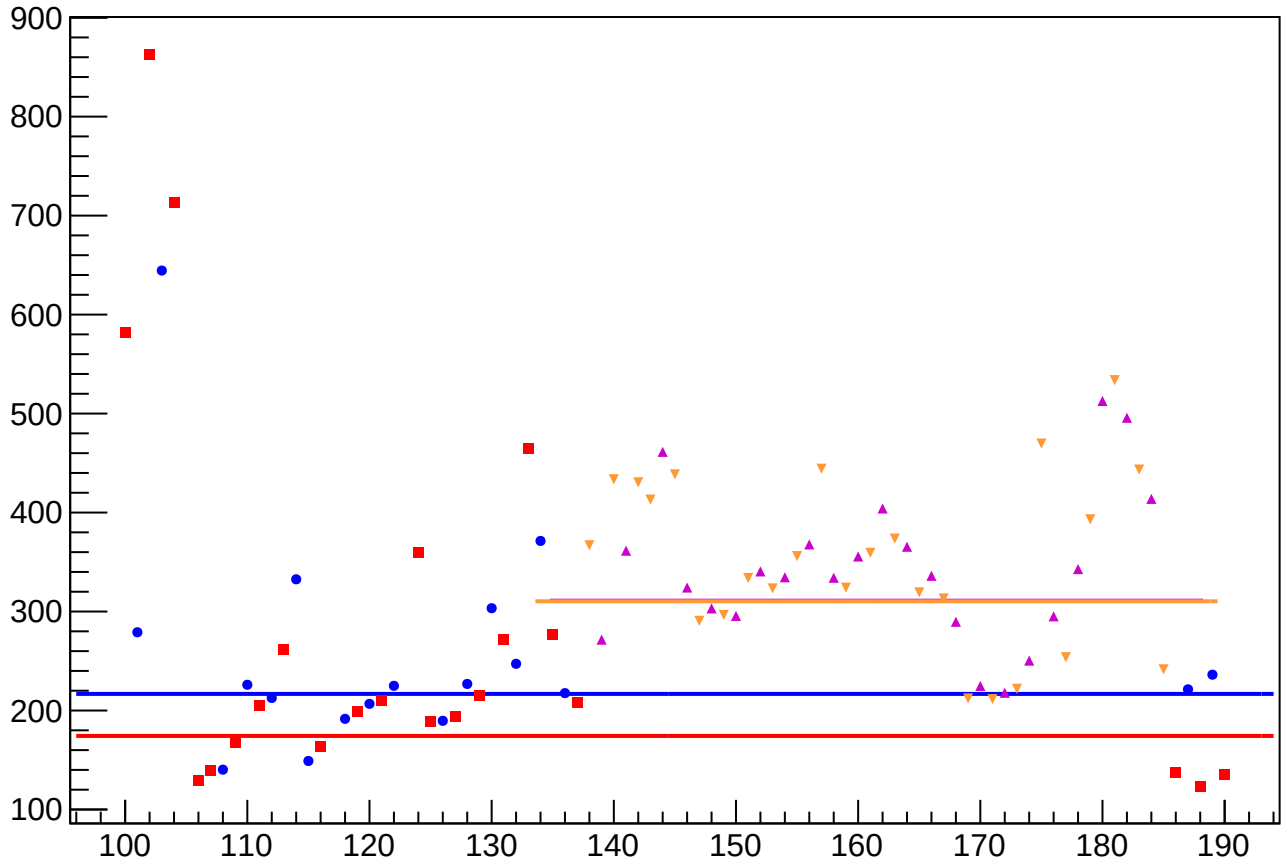
Right Out: -0.049+/-0.065 χ^2/NDF: 30.8/21

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

\+ sign -0.019+/-0.055 χ^2/NDF: 38.5/42

All: -0.000+/-0.037 χ^2/NDF: 104.0/87

\- sign 0.015+/-0.050 χ^2/NDF: 65.3/44



Right In: 216.788+/-0.058 χ^2/NDF: 1155392.9/17

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

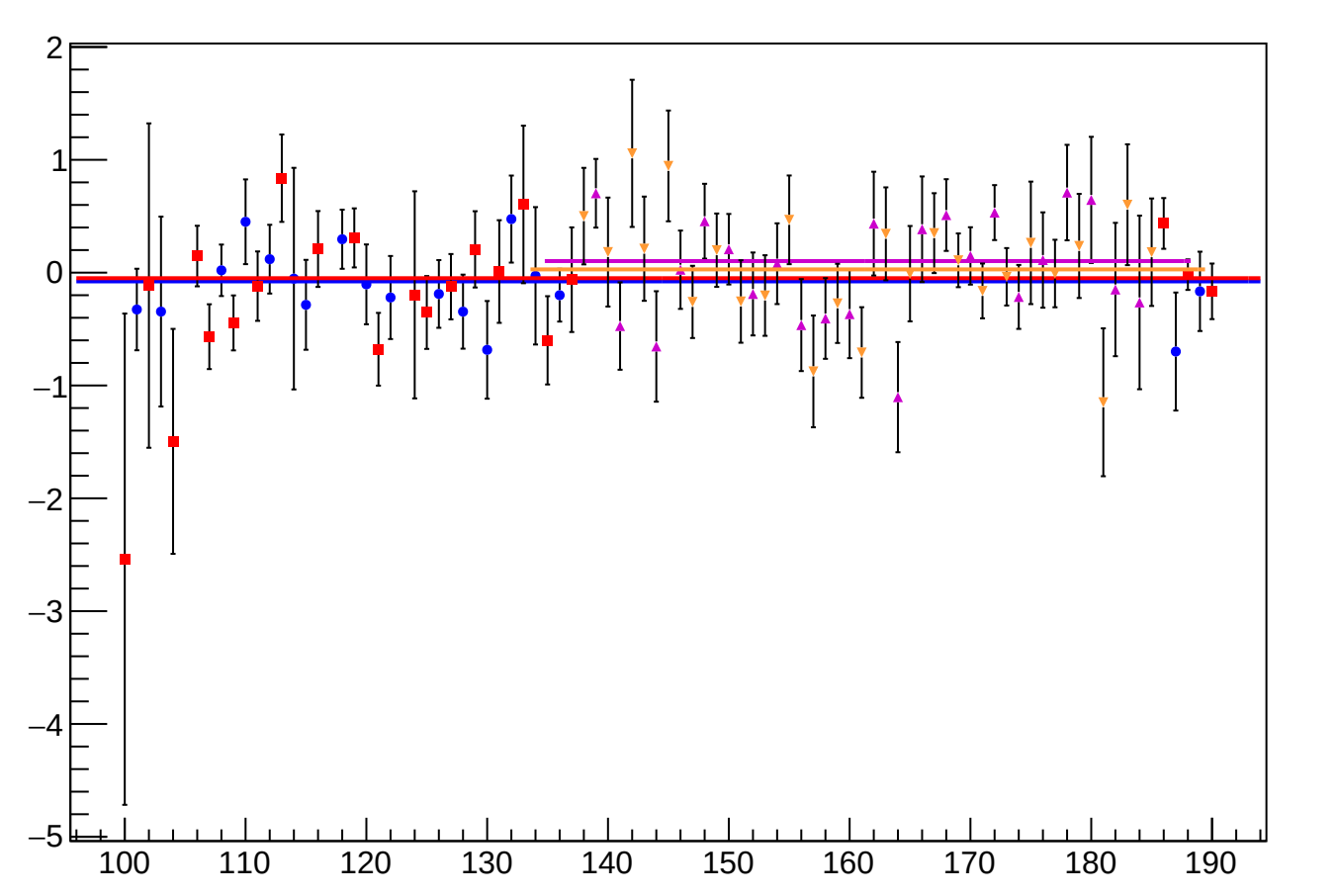
Right Out: 174.321+/-0.046 χ^2/NDF: 2467337.3/21

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 267.958+/-0.039 χ^2/NDF: 4941950.4/42

All: 248.050+/-0.026 χ^2/NDF: 13189385.1/87

- sign 232.019+/-0.035 χ^2/NDF: 7778097.0/44



Right In: -0.077+/-0.082 χ^2/NDF: 12.2/17

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

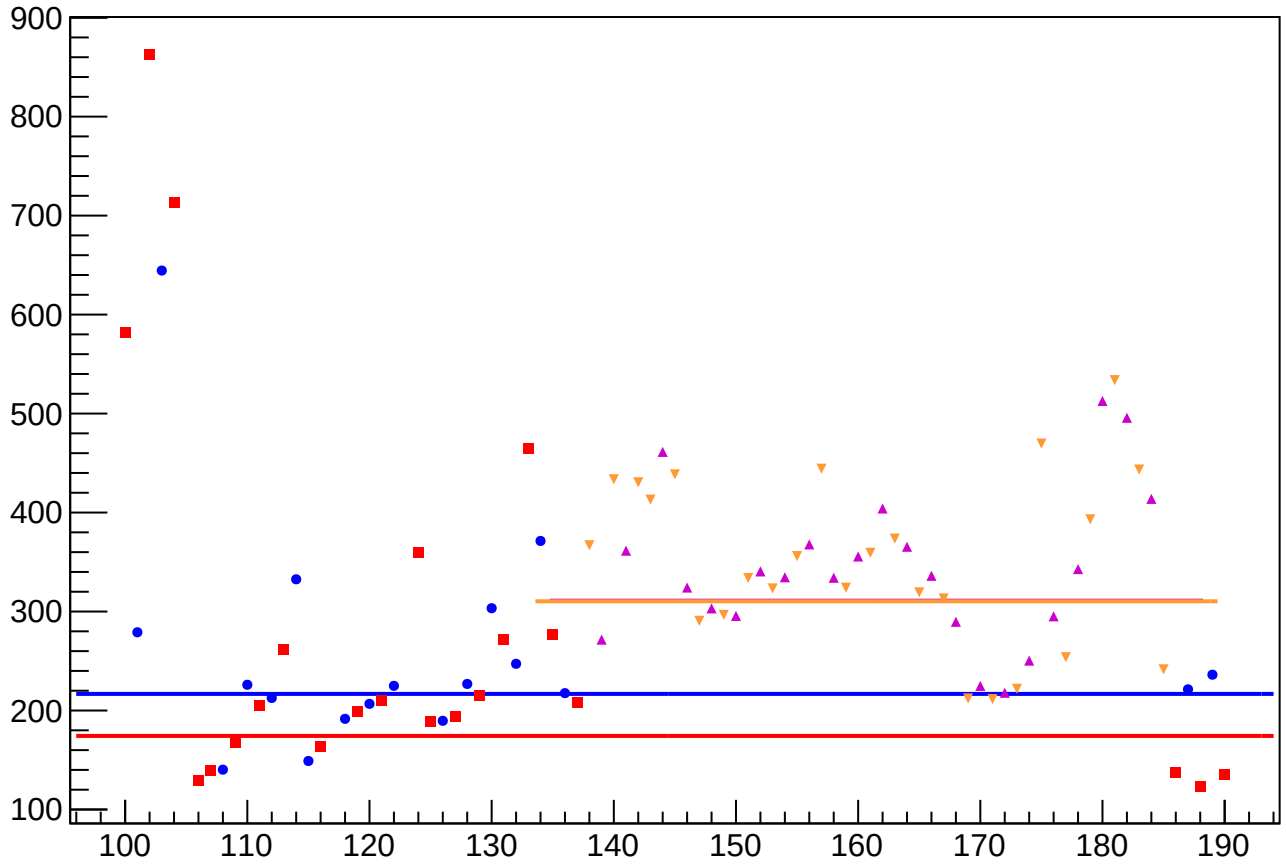
Right Out: -0.049+/-0.065 χ^2/NDF: 30.8/21

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

\+ sign -0.019+/-0.055 χ^2/NDF: 38.5/42

All: -0.000+/-0.037 χ^2/NDF: 104.0/87

\- sign 0.015+/-0.050 χ^2/NDF: 65.3/44



Right In: 216.788+/-0.058 χ^2/NDF: 1155392.9/17

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

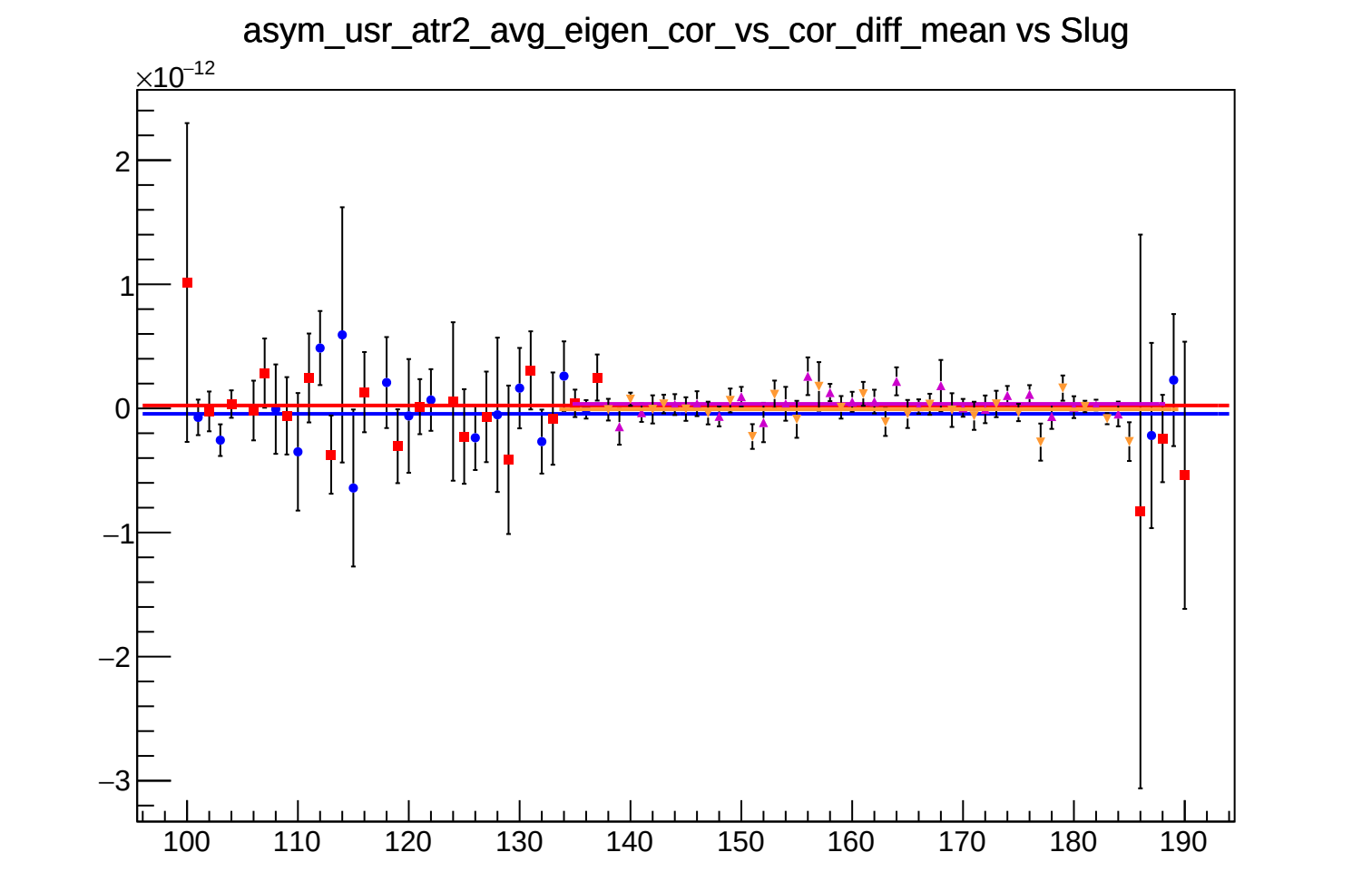
Right Out: 174.321+/-0.046 χ^2/NDF: 2467337.3/21

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 267.958+/-0.039 χ^2/NDF: 4941950.4/42

All: 248.050+/-0.026 χ^2/NDF: 13189385.1/87

- sign 232.019+/-0.035 χ^2/NDF: 7778097.0/44



Right In: -0.000+/-0.000 χ^2/NDF: 11.8/17

Left Out: -0.000+/-0.000 χ^2/NDF:25.8/24

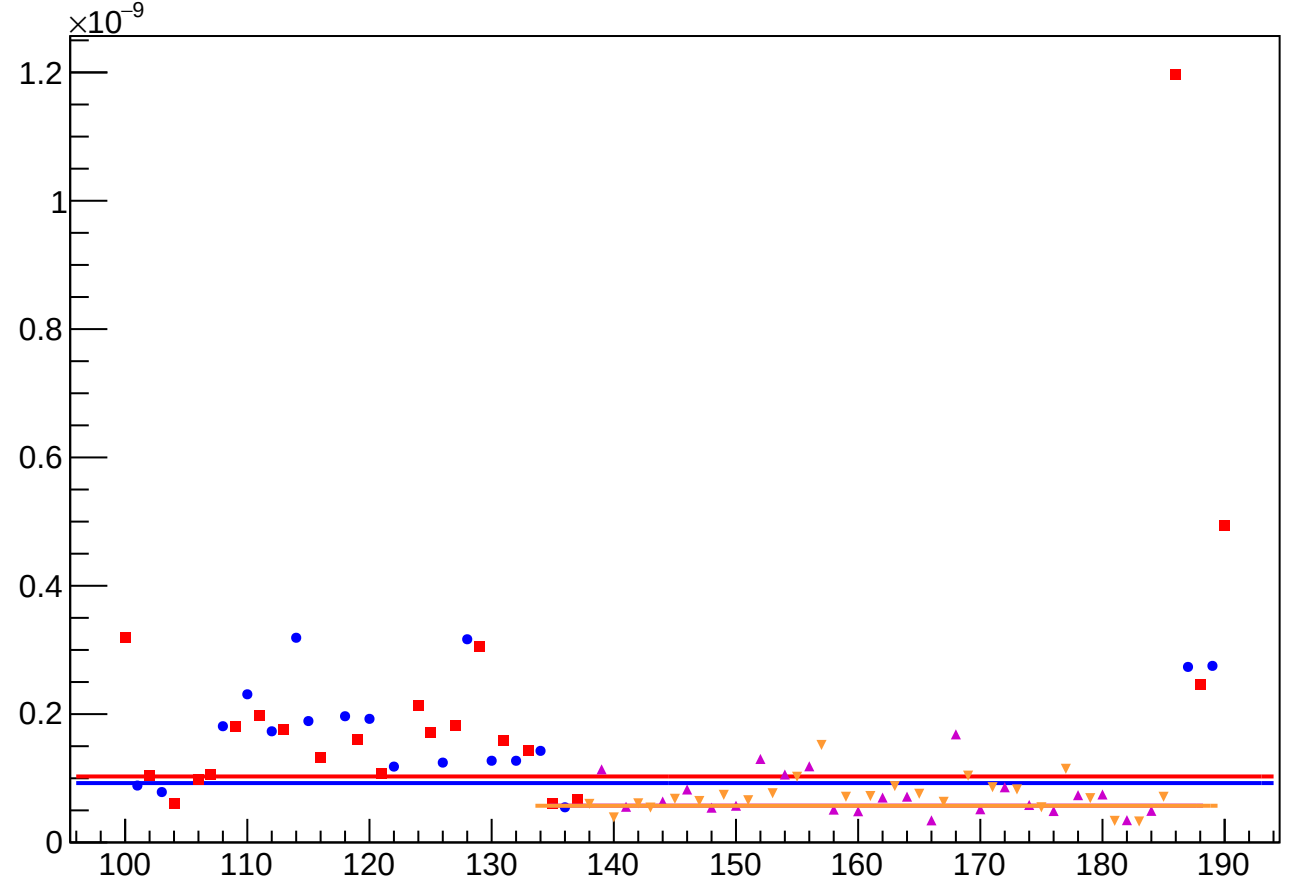
Right Out: 0.000+/-0.000 χ^2/NDF: 9.4/21

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: 68.3/87

- sign 0.000+/-0.000 χ^2/NDF: 26.2/44



Right In: 0.000+/-0.000 χ^2/NDF: 2166217.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:3337849.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2787417.5/21

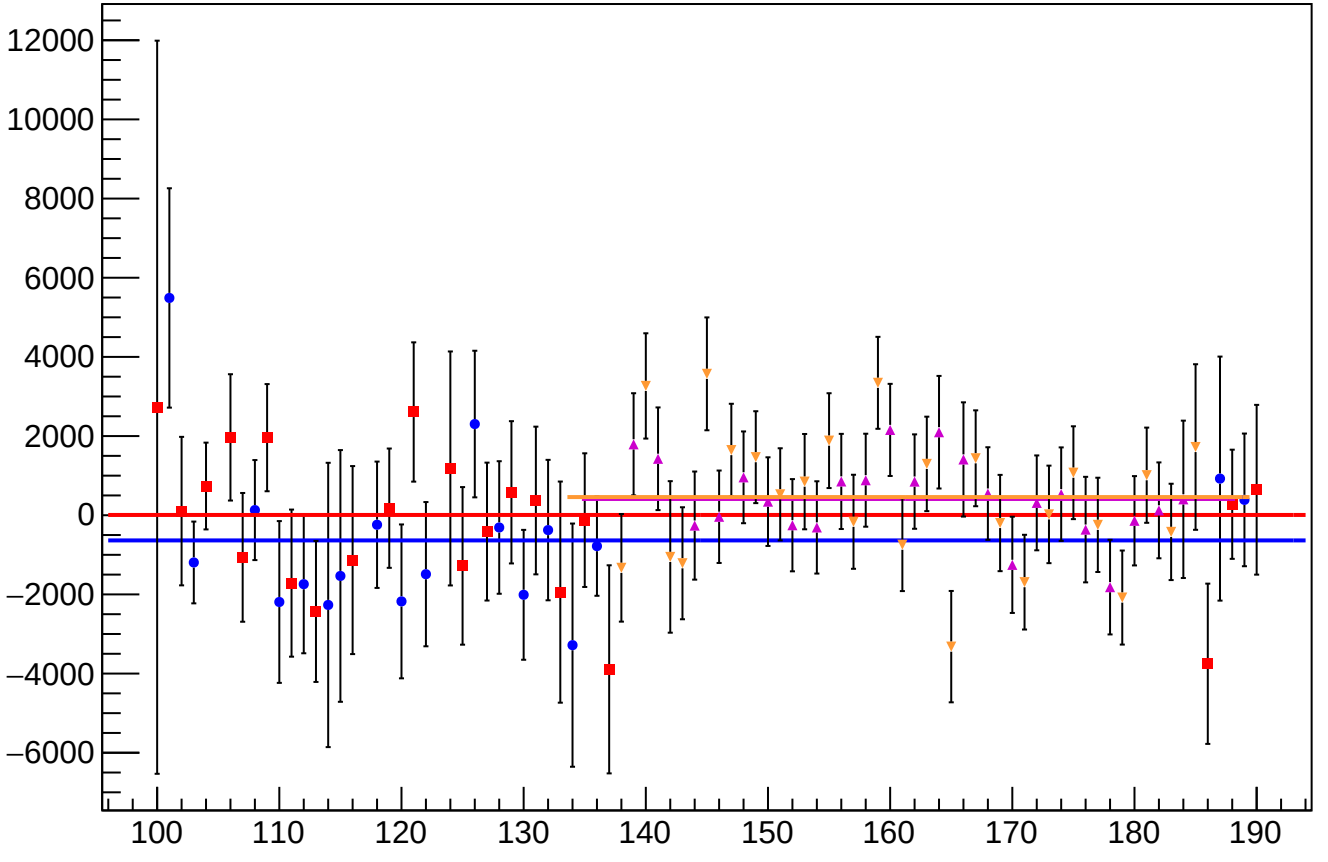
Left In: 0.000+/-0.000 χ^2/NDF:3299416.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 6409939.2/42

All: 0.000+/-0.000 χ^2/NDF: 13903386.6/87

- sign 0.000+/-0.000 χ^2/NDF: 7488616.6/44

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: 7.194+/-380.839 χ^2/NDF: 16.8/21

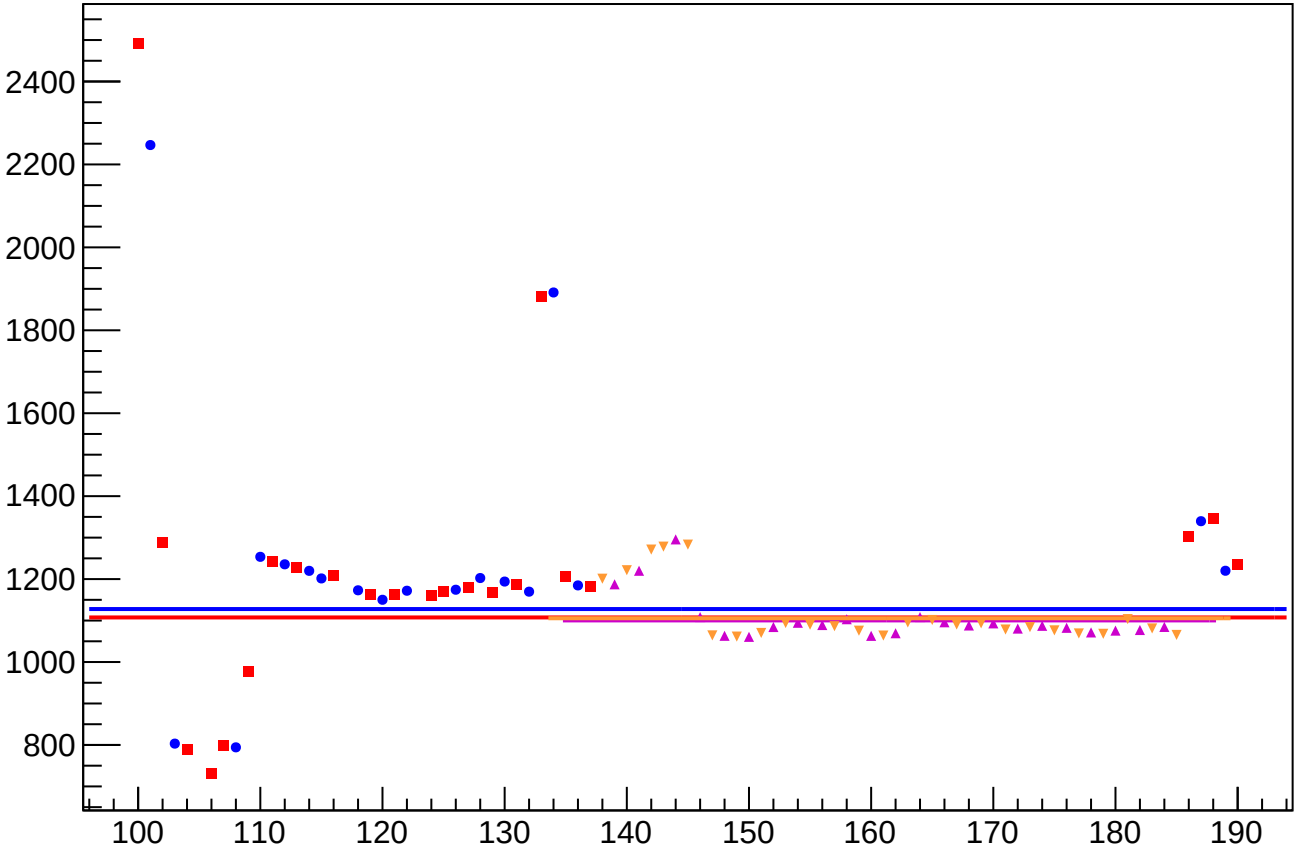
Left In: 411.262+/-257.201 χ^2/NDF:13.7/22

+ sign 159.832+/-214.467 χ^2/NDF: 59.6/42

All: 222.649+/-151.182 χ^2/NDF: 91.0/87

- sign 284.694+/-213.146 χ^2/NDF: 31.2/44

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: 1107.508+/-0.267 χ^2/NDF: 748076.6/21

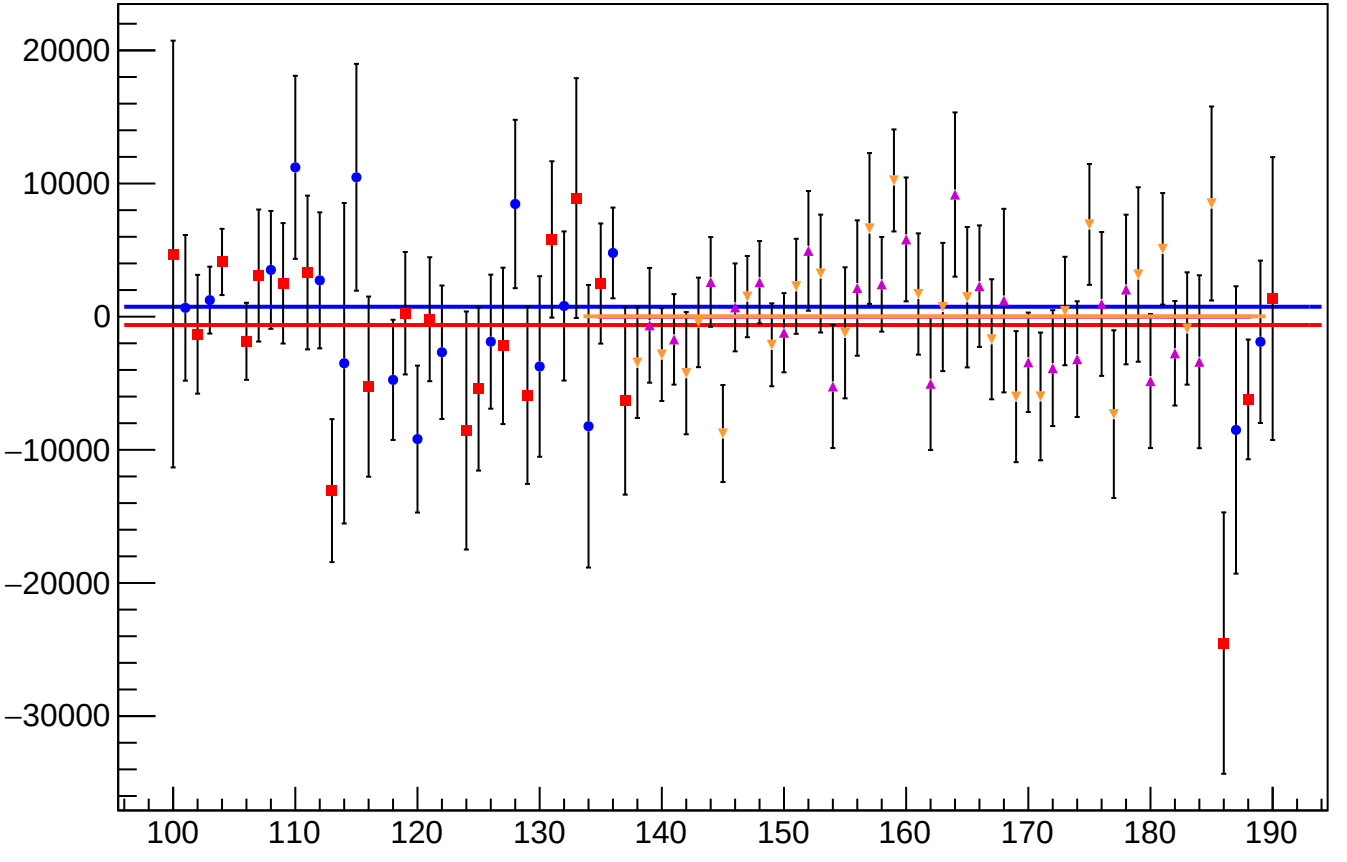
Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1111.614+/-0.152 χ^2/NDF: 962676.0/42

All: 1107.076+/-0.107 χ^2/NDF: 1793258.8/87

- sign 1102.614+/-0.150 χ^2/NDF: 828807.1/44

asym_usr_atr2_dd_reg_correction_mean vs Slug



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: -625.563+/-1069.280 χ^2/NDF: 24.4/21

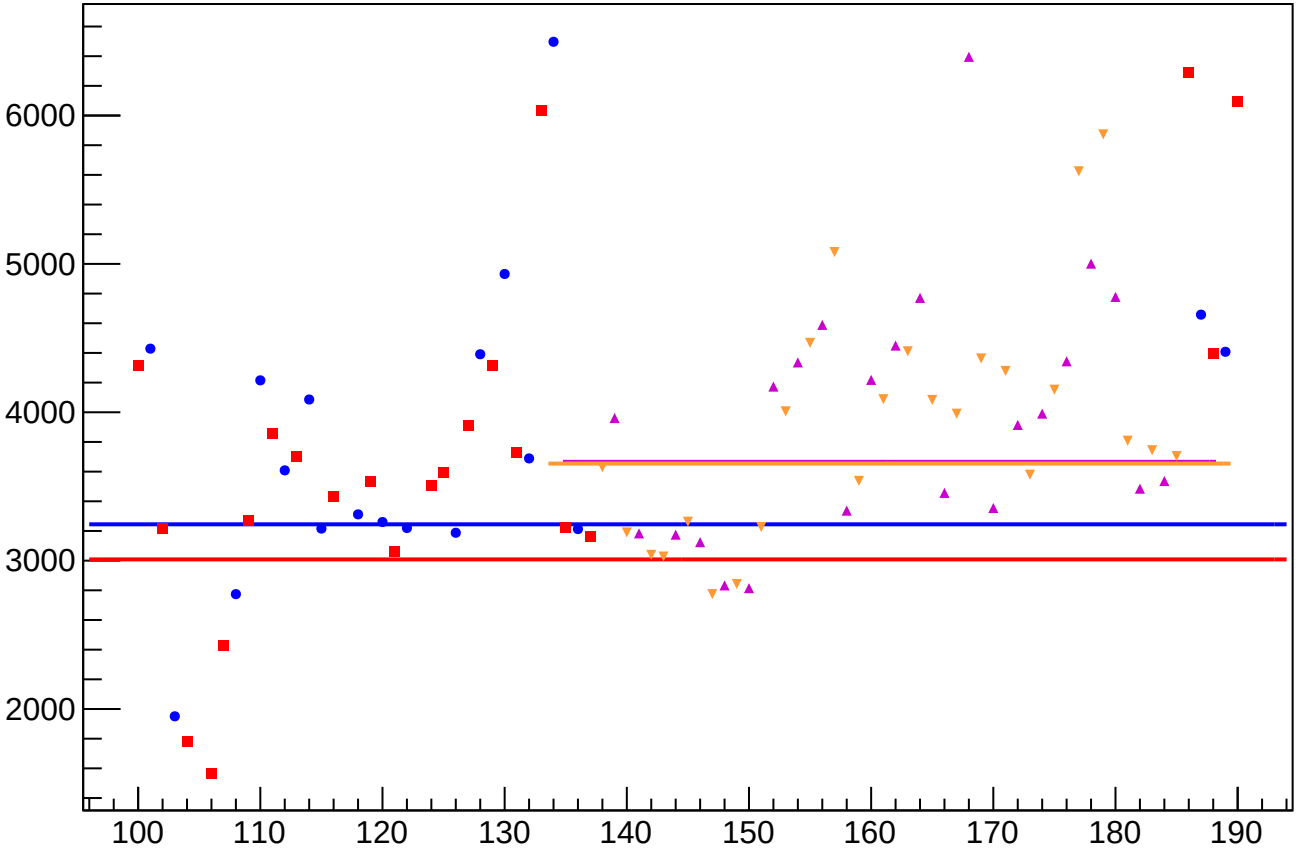
Left In: -6.317+/-875.256 χ^2/NDF:14.0/22

+ sign 264.541+/-693.997 χ^2/NDF: 43.5/42

All: -1.436+/-484.715 χ^2/NDF: 82.4/87

- sign -254.761+/-677.289 χ^2/NDF: 38.6/44

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: 3008.312+/-0.756 χ^2/NDF: 2135719.2/21

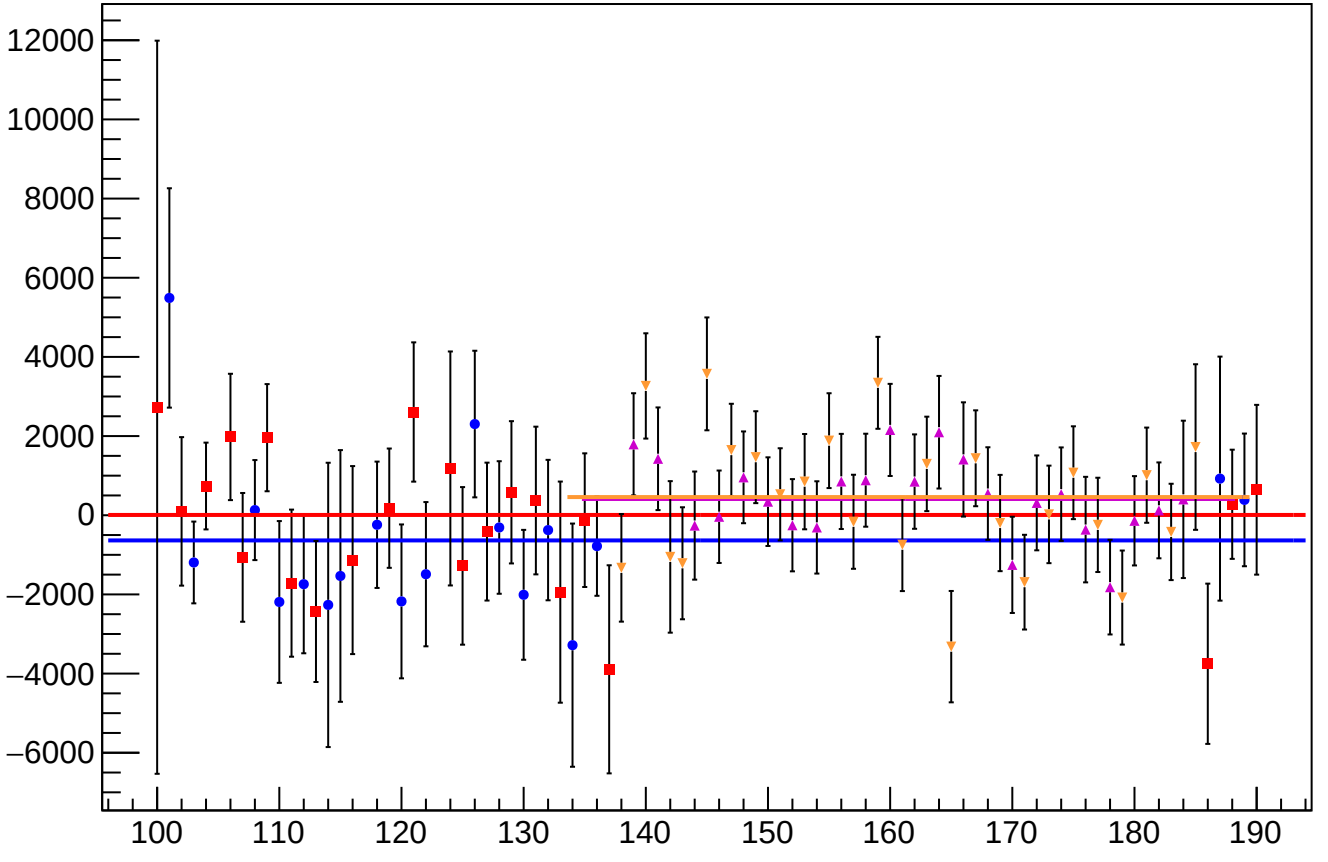
Left In: 3666.118+/-0.619 χ^2/NDF:1343709.3/22

\+ sign 3517.461+/-0.491 χ^2/NDF: 2670975.6/42

All: 3458.428+/-0.343 χ^2/NDF: 6631890.2/87

\- sign 3402.203+/-0.479 χ^2/NDF: 3932660.8/44

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: 7.433+/-380.842 χ^2/NDF: 16.8/21

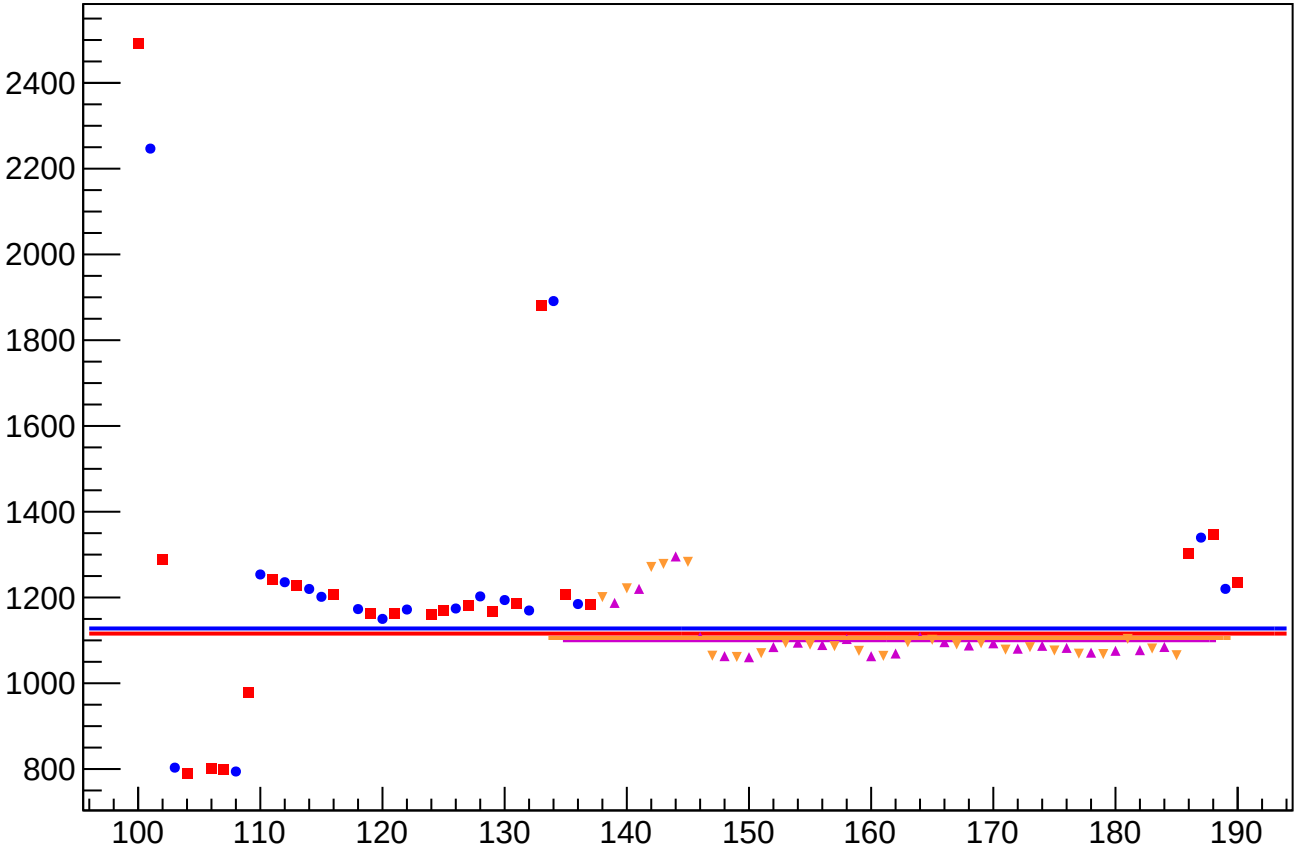
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign 159.888+/-214.467 χ^2/NDF: 59.6/42

All: 222.681+/-151.182 χ^2/NDF: 91.0/87

- sign 284.703+/-213.146 χ^2/NDF: 31.2/44

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: 1115.825+/-0.269 χ^2/NDF: 686139.7/21

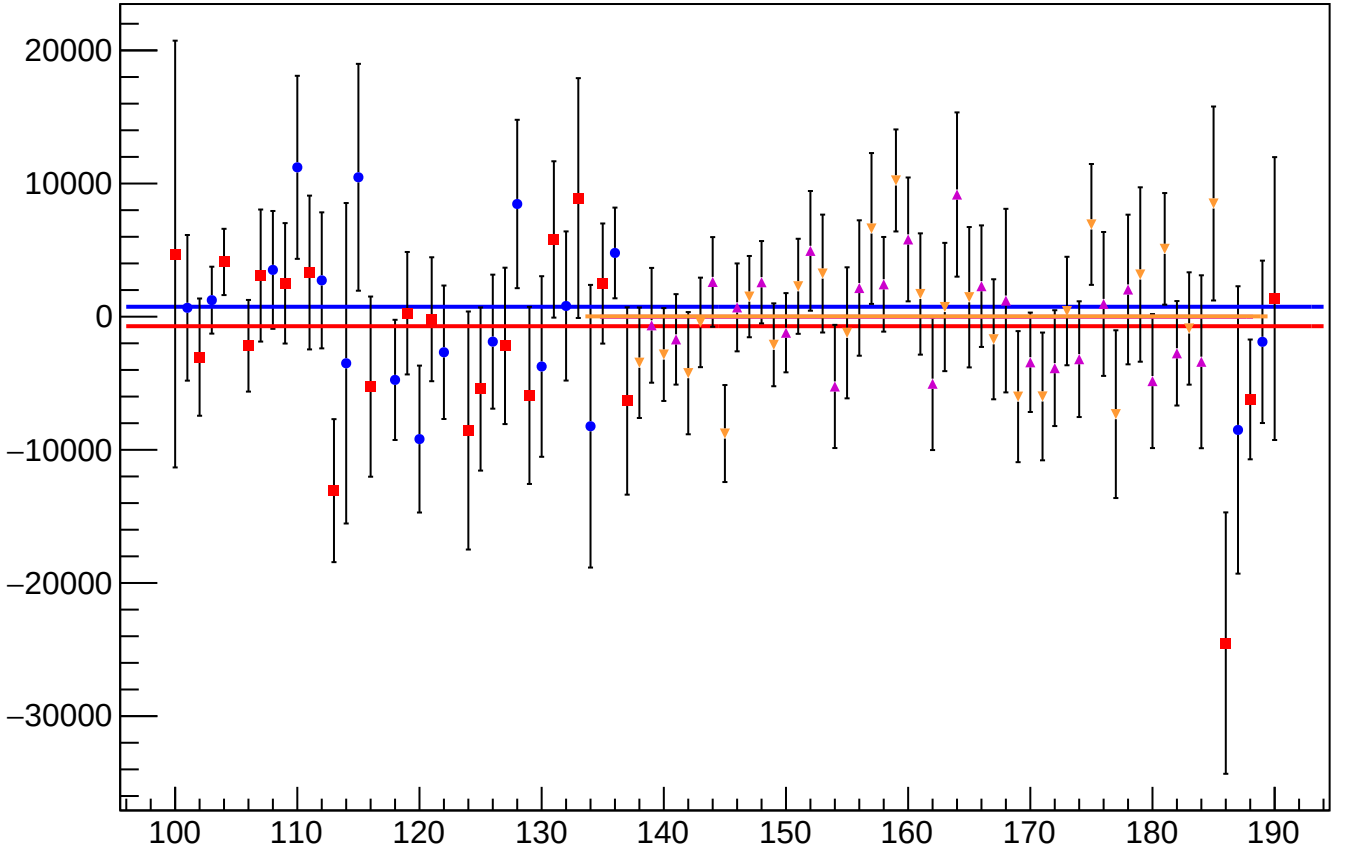
Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1111.614+/-0.152 χ^2/NDF: 962672.7/42

All: 1108.390+/-0.107 χ^2/NDF: 1732224.1/87

- sign 1105.208+/-0.151 χ^2/NDF: 768653.4/44

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: -714.977+/-1090.452 χ^2/NDF: 24.7/21

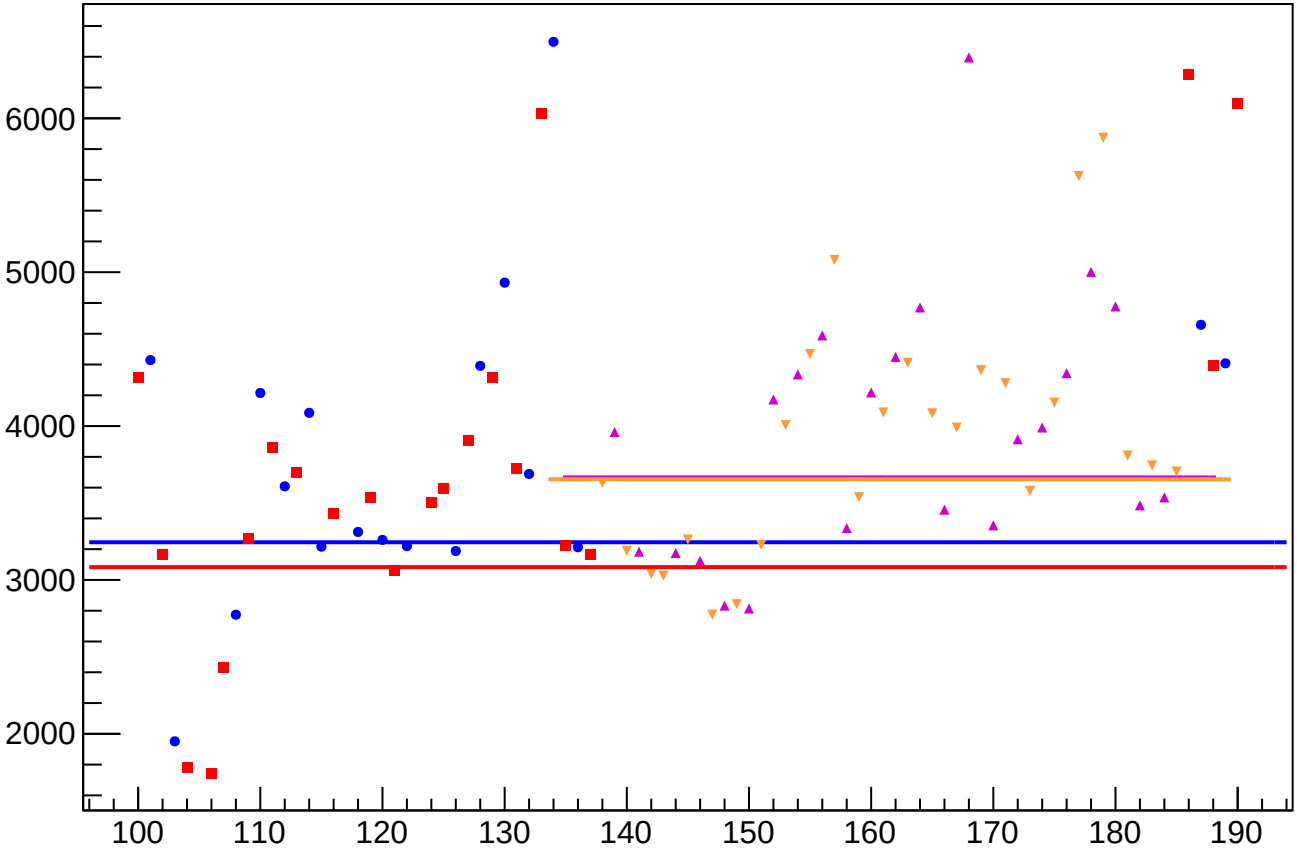
Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

+ sign 264.360+/-694.005 χ^2/NDF: 43.5/42

All: -14.381+/-486.644 χ^2/NDF: 82.8/87

- sign -284.016+/-682.575 χ^2/NDF: 39.0/44

asym_usr_atr2_dd_cor_correction_rms vs Slug



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: 3083.295+/-0.771 χ^2/NDF: 1897659.6/21

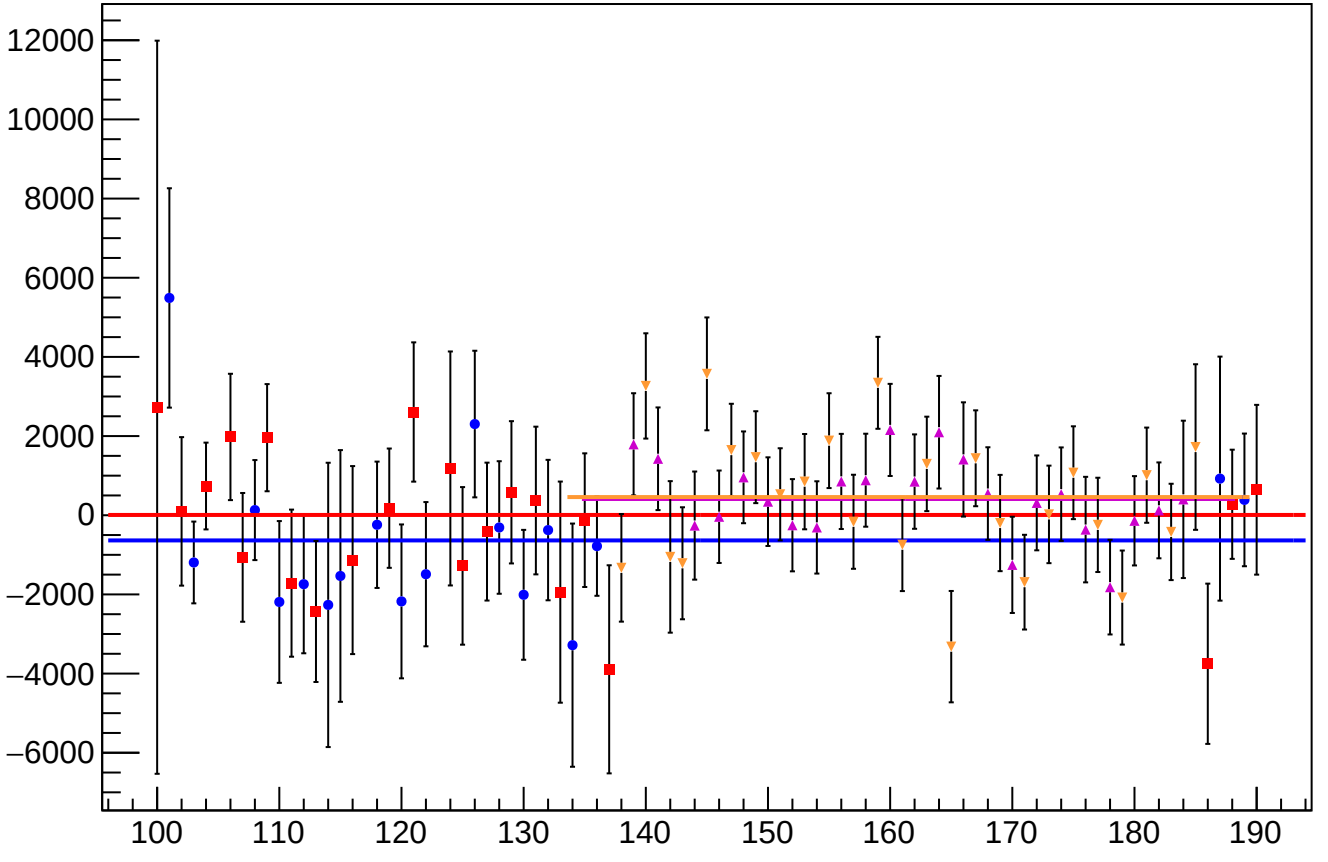
Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

+ sign 3517.526+/-0.491 χ^2/NDF: 2670365.0/42

All: 3476.977+/-0.344 χ^2/NDF: 6272637.3/87

- sign 3437.753+/-0.483 χ^2/NDF: 3588840.4/44

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: 7.433+/-380.842 χ^2/NDF: 16.8/21

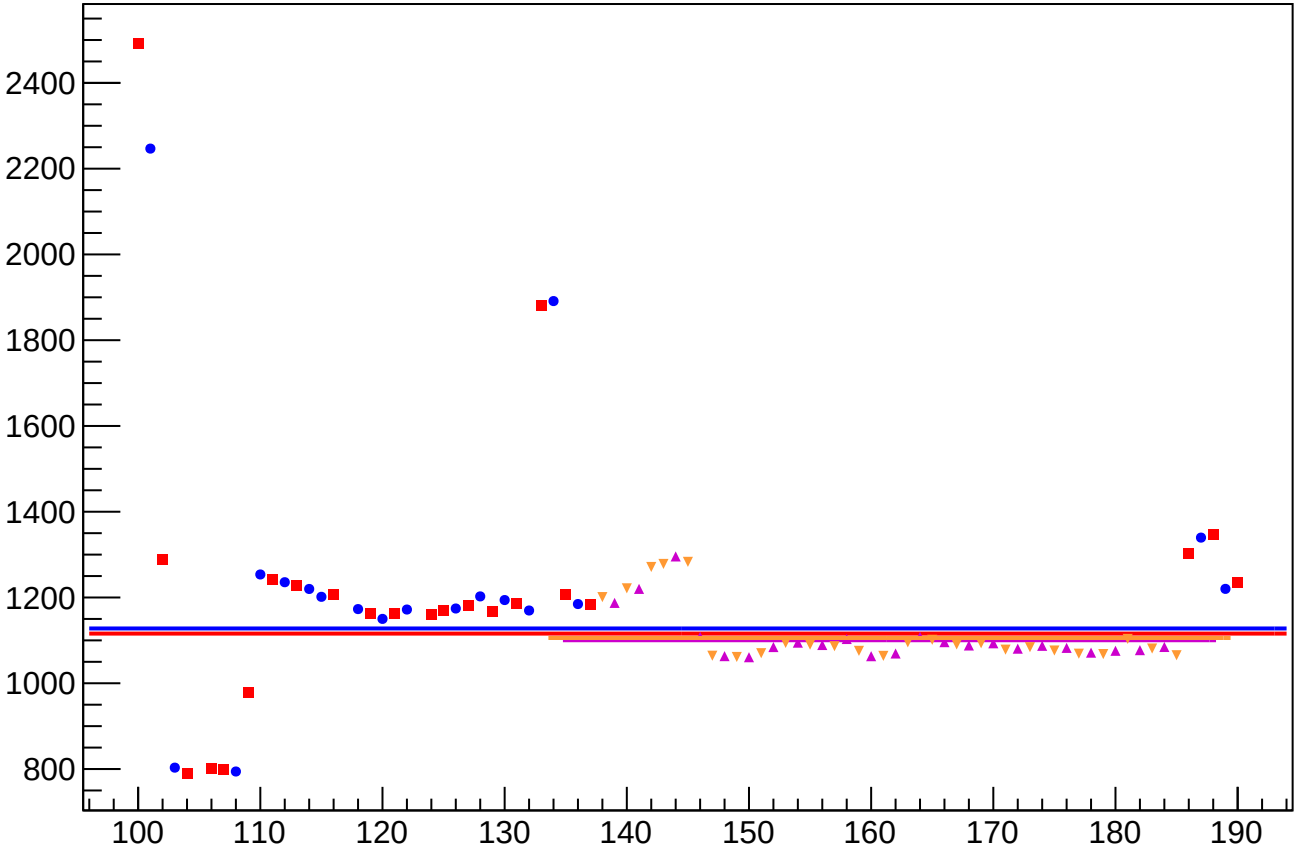
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign 159.888+/-214.467 χ^2/NDF: 59.6/42

All: 222.681+/-151.182 χ^2/NDF: 91.0/87

- sign 284.703+/-213.146 χ^2/NDF: 31.2/44

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

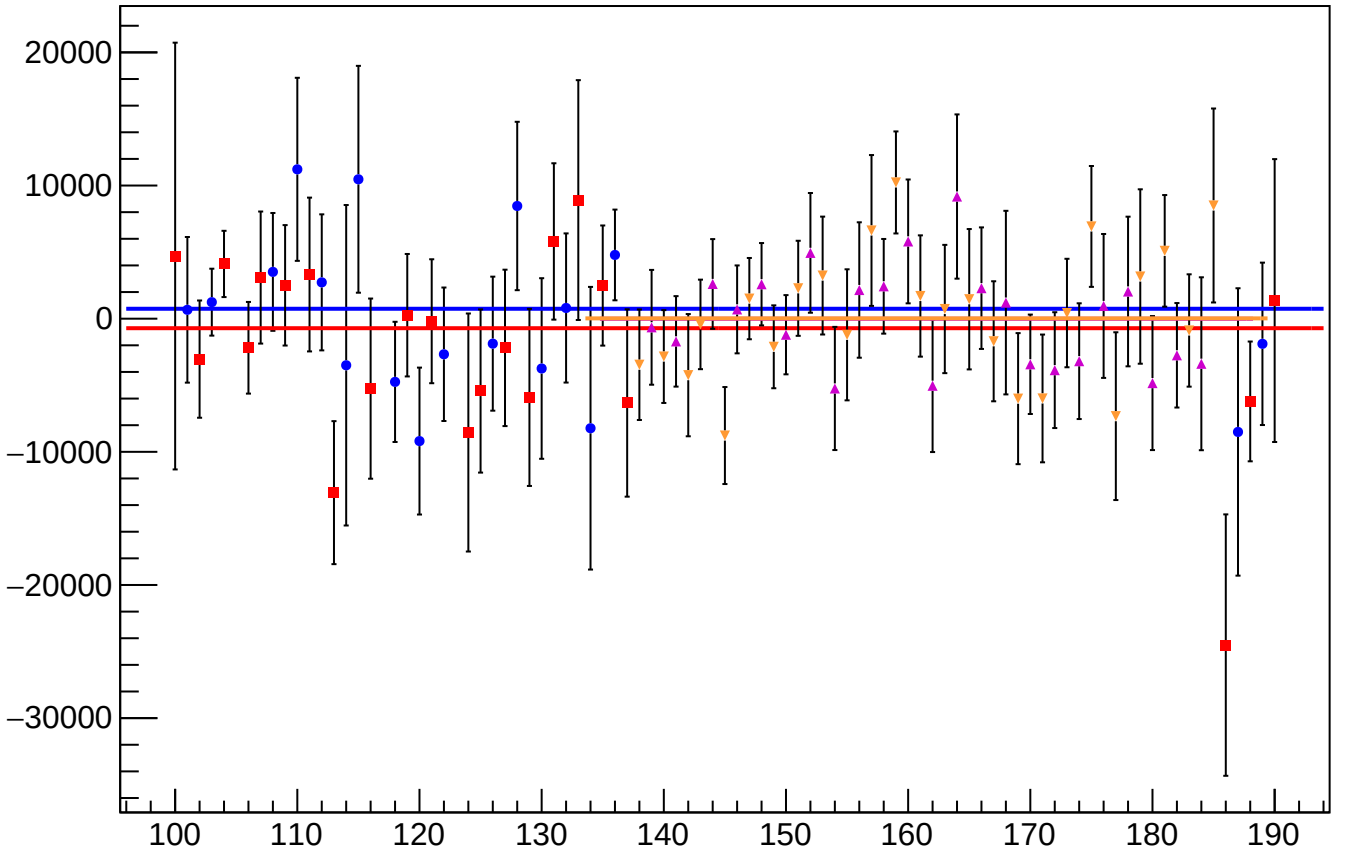
Right Out: 1115.825+/-0.269 χ^2/NDF: 686139.7/21

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1111.614+/-0.152 χ^2/NDF: 962672.7/42

All: 1108.390+/-0.107 χ^2/NDF: 1732224.1/87

- sign 1105.208+/-0.151 χ^2/NDF: 768653.4/44



Right In: 744.915+/-1200.857 χ^2/NDF: 14.8/17

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

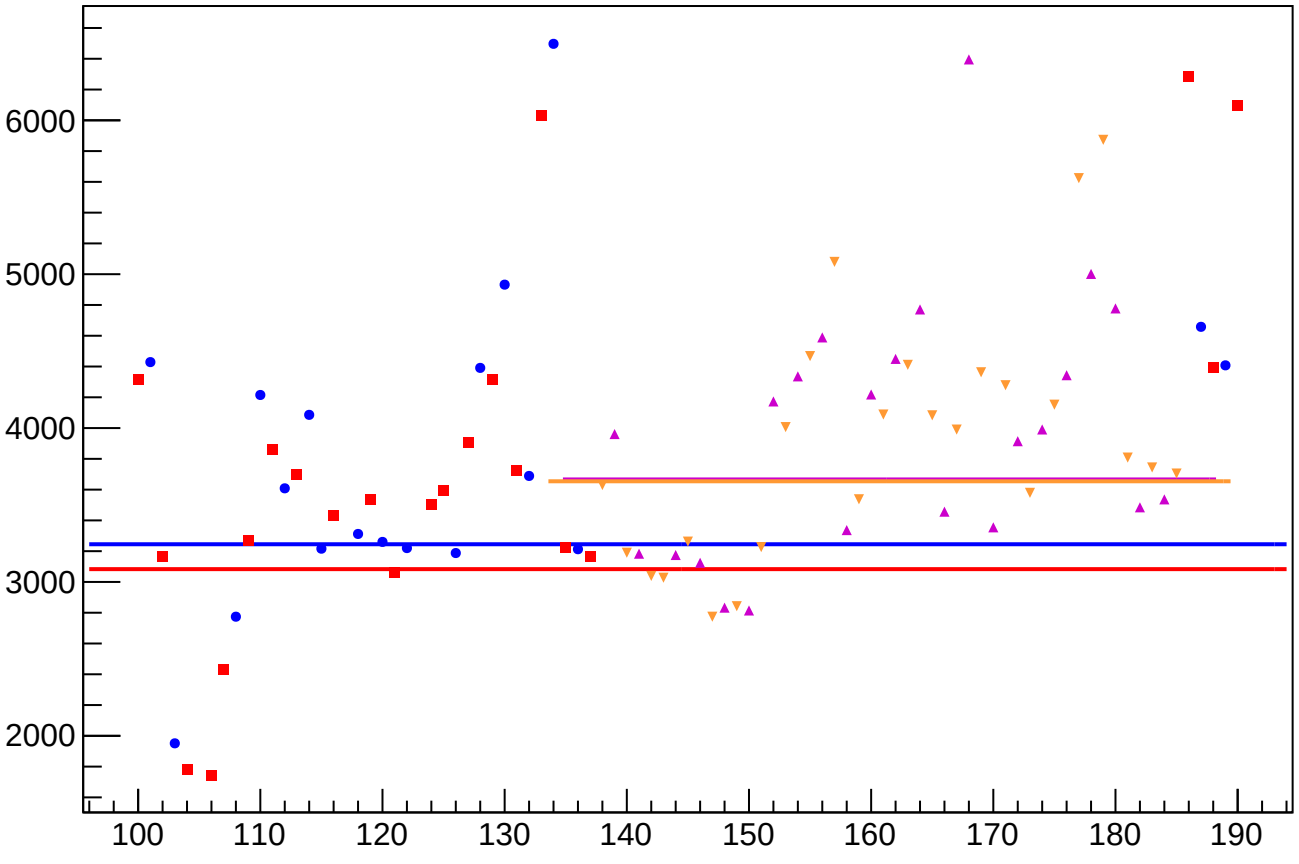
Right Out: -714.977+/-1090.452 χ^2/NDF: 24.7/21

Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

+ sign 264.360+/-694.005 χ^2/NDF: 43.5/42

All: -14.381+/-486.644 χ^2/NDF: 82.8/87

- sign -284.016+/-682.575 χ^2/NDF: 39.0/44



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: 3083.295+/-0.771 χ^2/NDF: 1897659.6/21

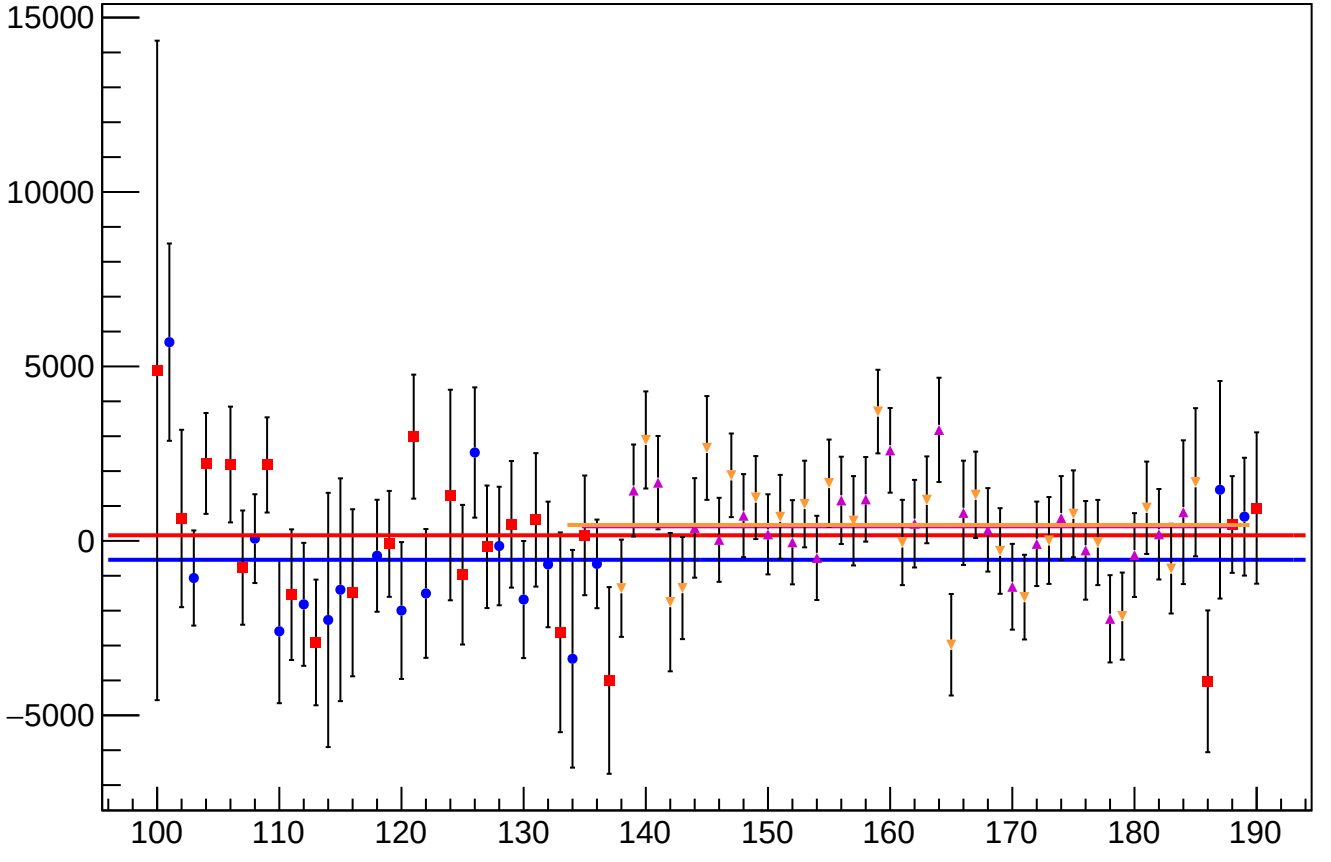
Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

+ sign 3517.526+/-0.491 χ^2/NDF: 2670365.0/42

All: 3476.977+/-0.344 χ^2/NDF: 6272637.3/87

- sign 3437.753+/-0.483 χ^2/NDF: 3588840.4/44

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: 160.707+/-399.221 χ^2/NDF: 21.5/21

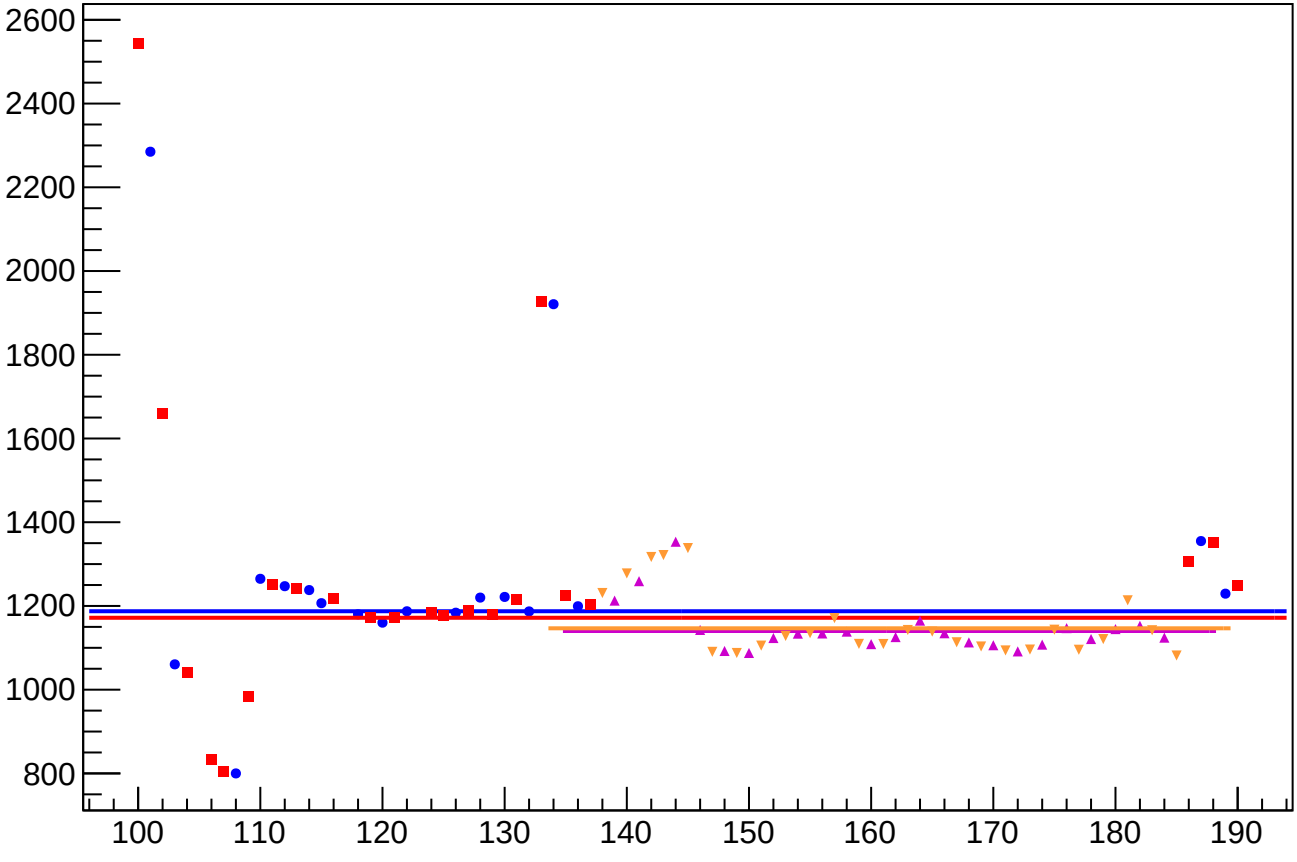
Left In: 417.202+/-266.582 χ^2/NDF:17.3/22

+ sign 186.452+/-223.028 χ^2/NDF: 53.0/42

All: 262.730+/-157.232 χ^2/NDF: 92.3/87

- sign 338.102+/-221.698 χ^2/NDF: 39.1/44

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: 1171.776+/-0.282 χ^2/NDF: 550896.1/21

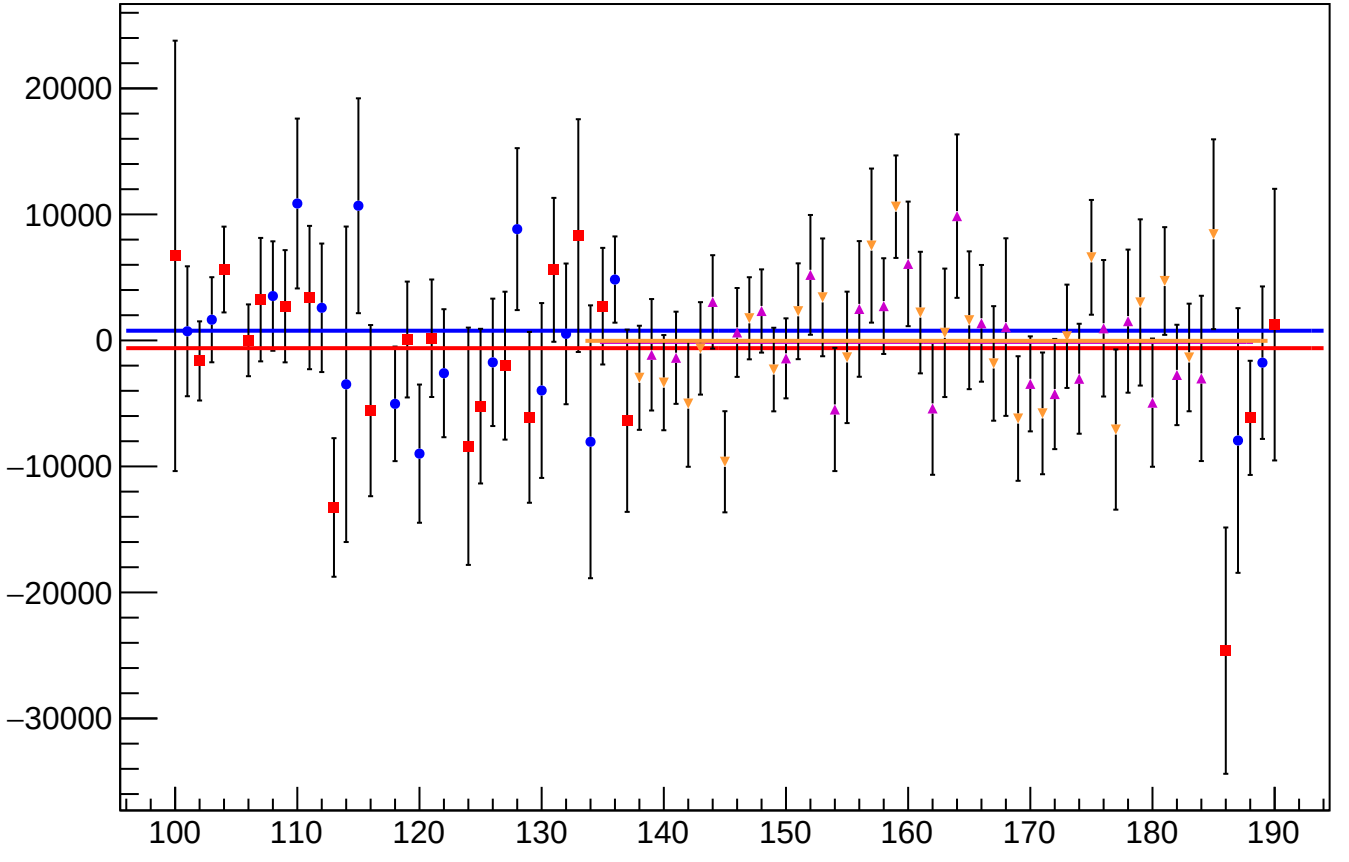
Left In: 1140.168+/-0.189 χ^2/NDF:84737.4/22

+ sign 1157.615+/-0.158 χ^2/NDF: 783487.0/42

All: 1153.744+/-0.111 χ^2/NDF: 1428993.5/87

- sign 1149.921+/-0.157 χ^2/NDF: 644309.1/44

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: -615.194+/-1084.702 χ^2/NDF: 24.0/21

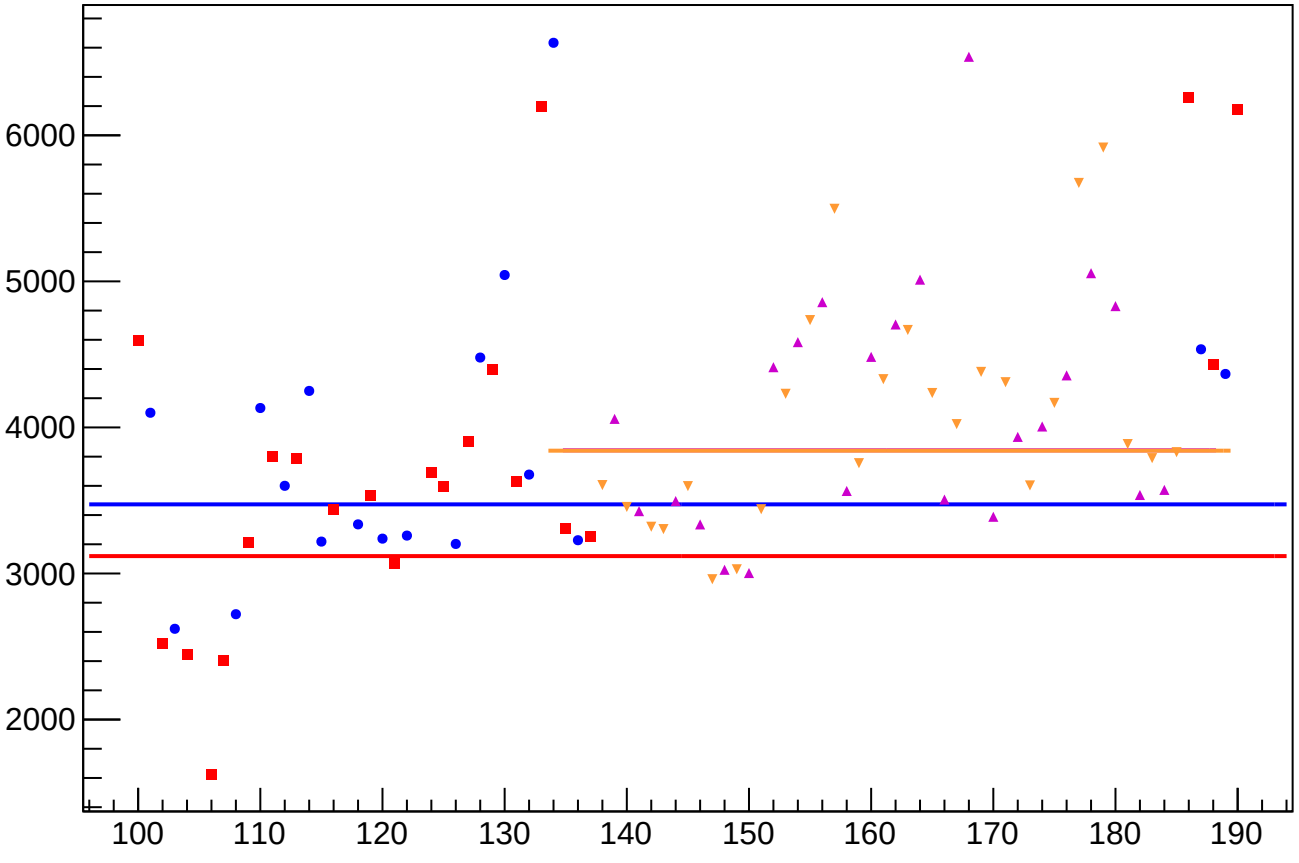
Left In: -121.051+/-915.714 χ^2/NDF:13.8/22

+ sign 233.186+/-728.459 χ^2/NDF: 42.8/42

All: -58.008+/-504.629 χ^2/NDF: 81.0/87

- sign -326.675+/-699.715 χ^2/NDF: 37.9/44

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: 3119.074+/-0.767 χ^2/NDF: 1742266.5/21

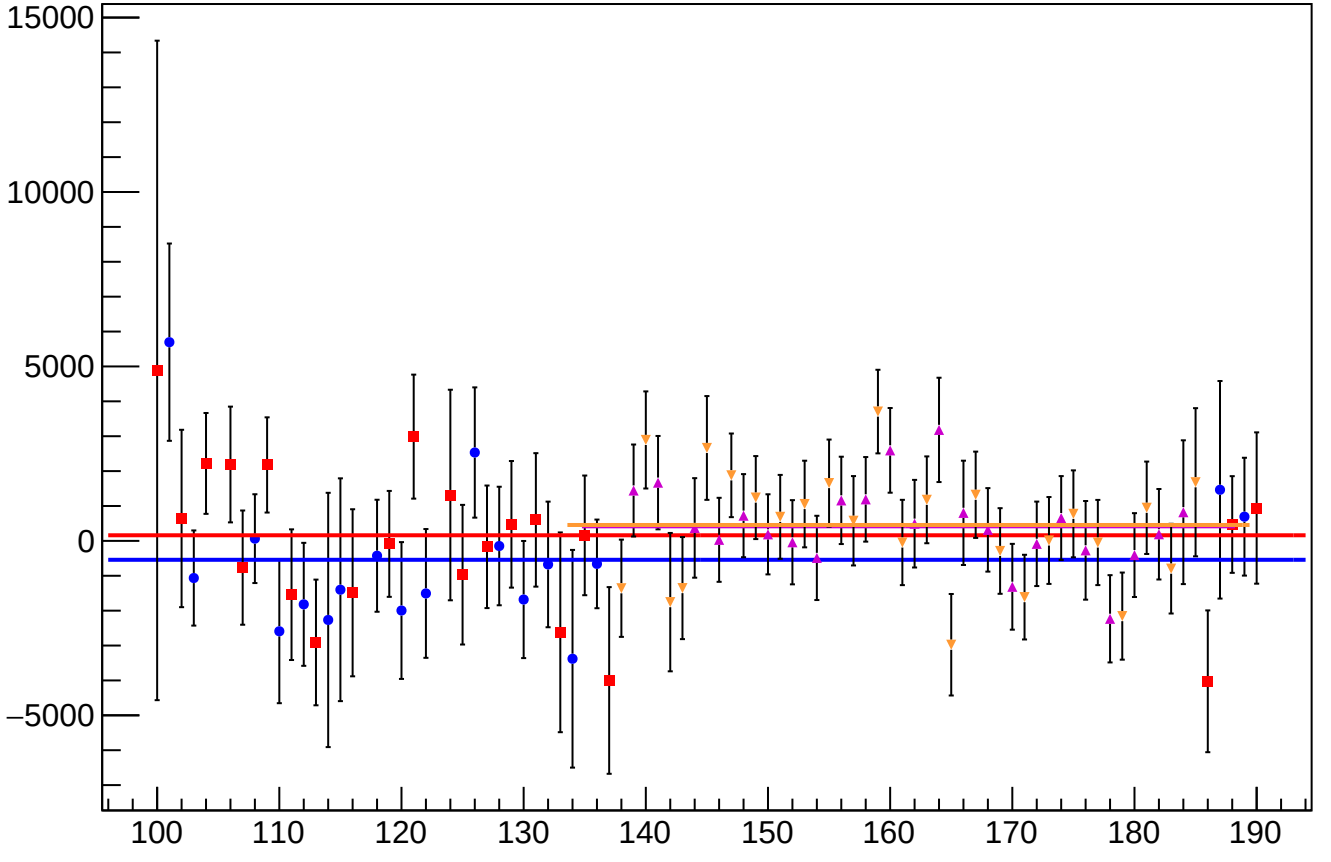
Left In: 3843.328+/-0.648 χ^2/NDF:1196057.8/22

+ sign 3718.760+/-0.515 χ^2/NDF: 1891858.8/42

All: 3626.797+/-0.357 χ^2/NDF: 5412076.2/87

- sign 3541.950+/-0.495 χ^2/NDF: 3458935.1/44

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: 160.712+/-399.221 χ^2/NDF: 21.5/21

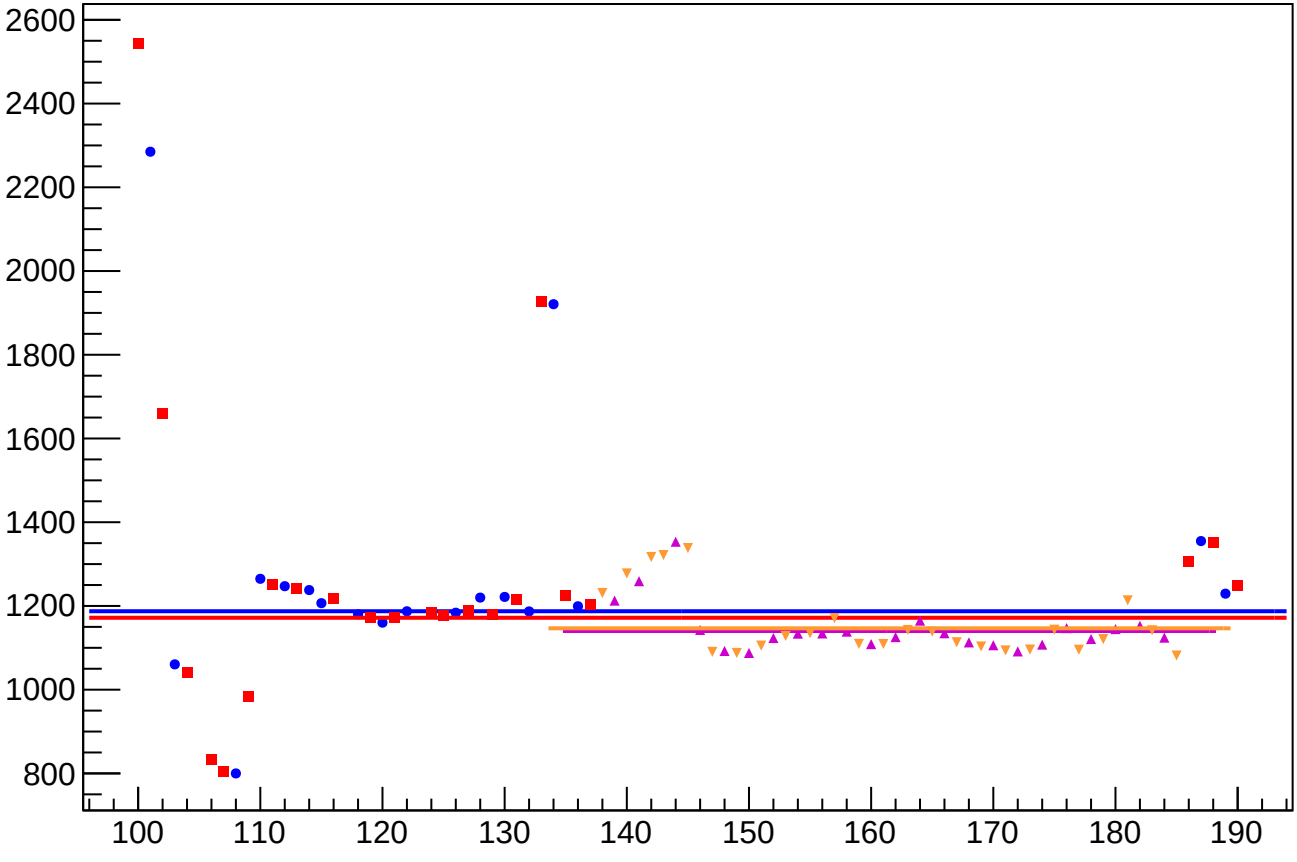
Left In: 417.201+/-266.583 χ^2/NDF:17.3/22

+ sign 186.454+/-223.028 χ^2/NDF: 53.0/42

All: 262.732+/-157.232 χ^2/NDF: 92.3/87

- sign 338.103+/-221.699 χ^2/NDF: 39.1/44

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

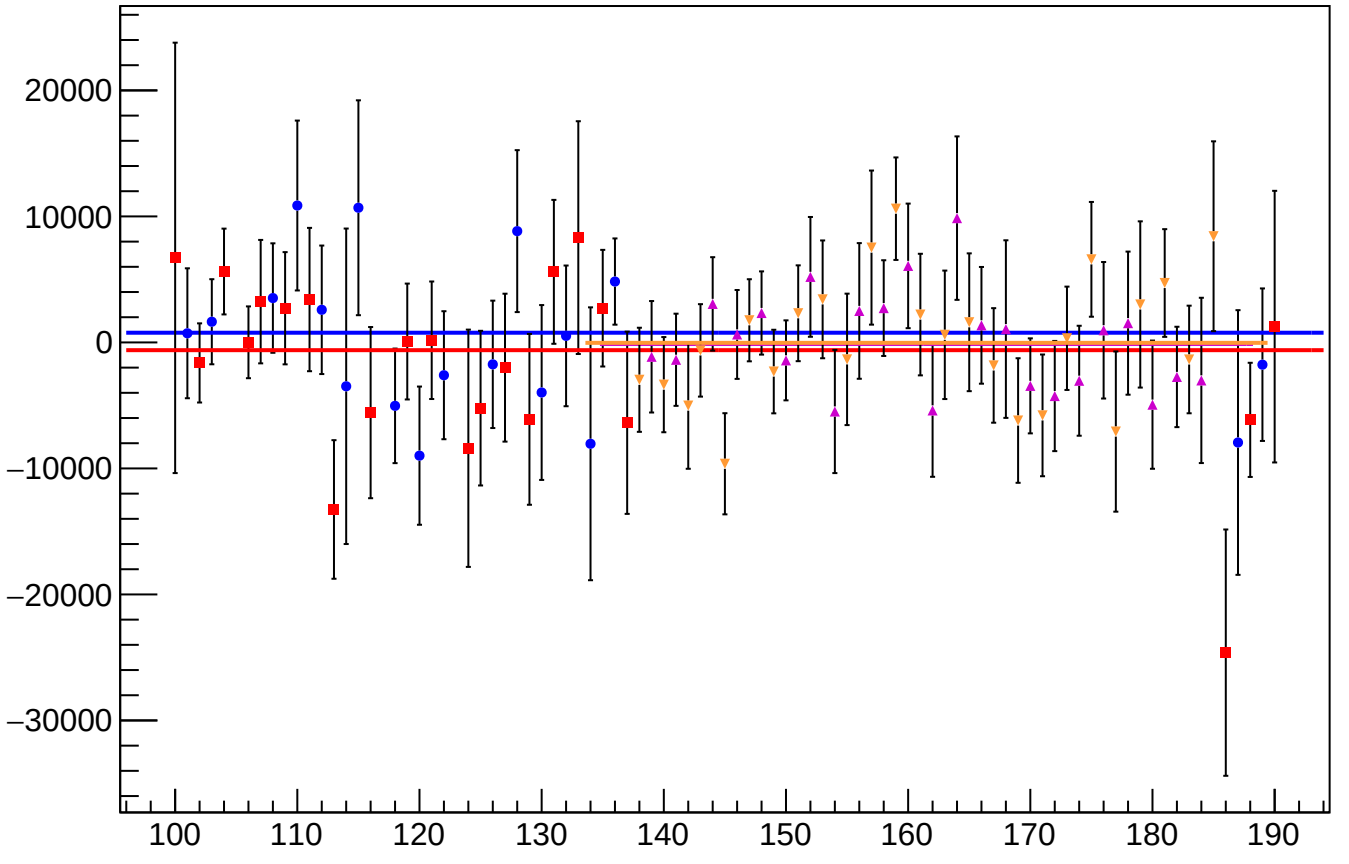
Right Out: 1171.777+/-0.282 χ^2/NDF: 550895.5/21

Left In: 1140.169+/-0.189 χ^2/NDF:84737.2/22

+ sign 1157.615+/-0.158 χ^2/NDF: 783486.6/42

All: 1153.745+/-0.111 χ^2/NDF: 1428992.0/87

- sign 1149.921+/-0.157 χ^2/NDF: 644308.0/44



Right In: 769.545+/-1264.016 χ^2/NDF: 14.8/17

Left Out: -33.548+/-891.372 χ^2/NDF:27.8/24

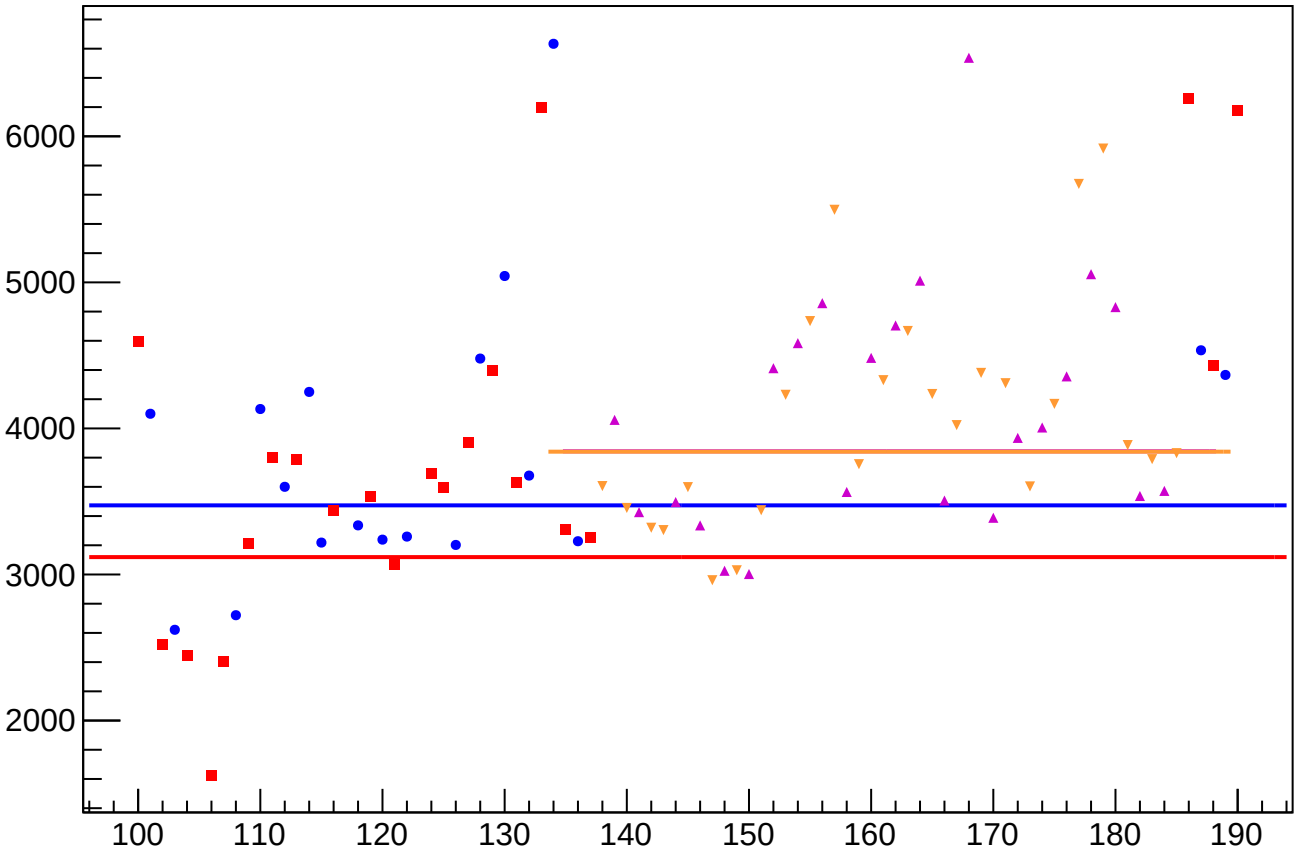
Right Out: -615.185+/-1084.700 χ^2/NDF: 24.0/21

Left In: -121.054+/-915.716 χ^2/NDF:13.8/22

+ sign 233.182+/-728.459 χ^2/NDF: 42.8/42

All: -58.010+/-504.629 χ^2/NDF: 81.0/87

- sign -326.674+/-699.715 χ^2/NDF: 37.9/44



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: 3119.069+/-0.767 χ^2/NDF: 1742268.3/21

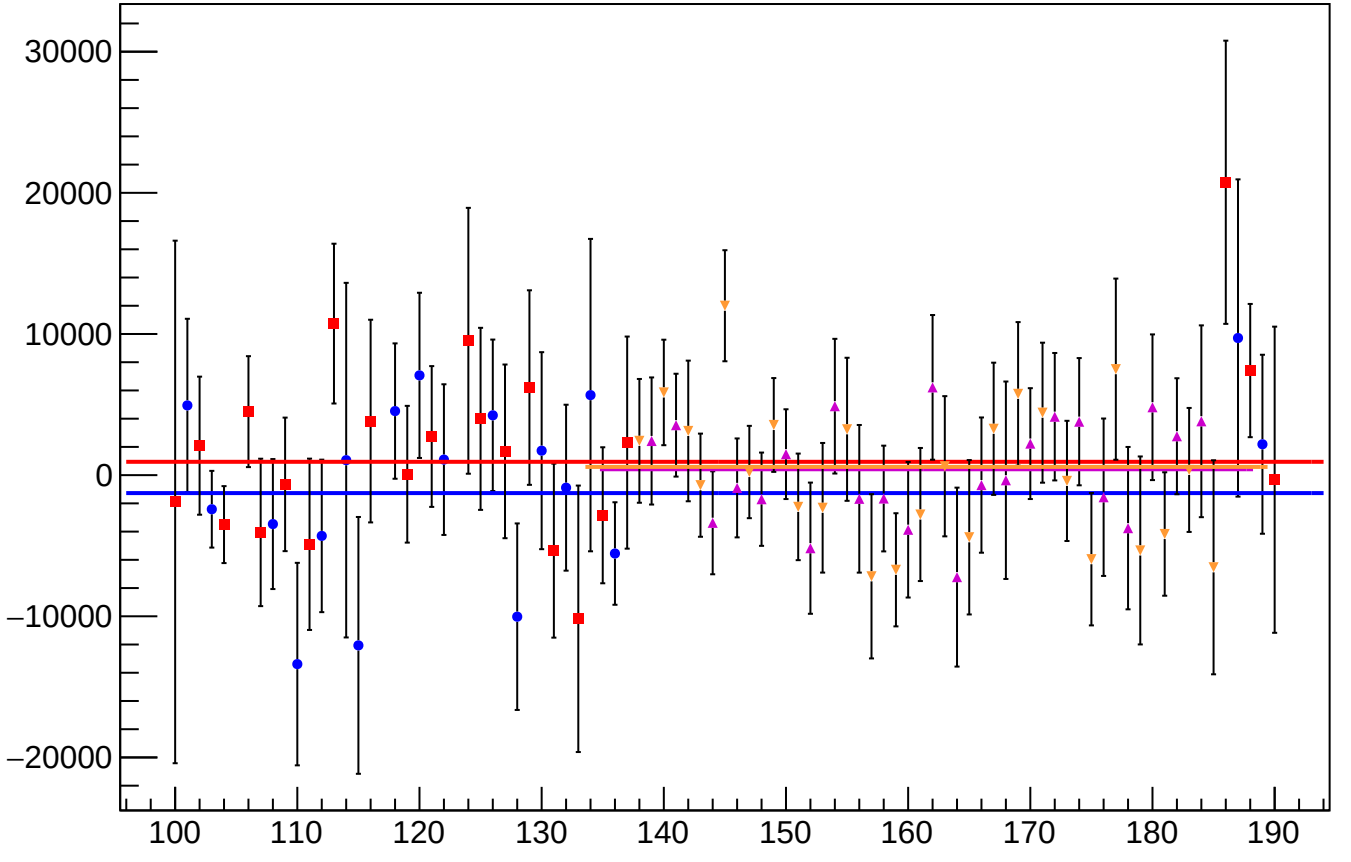
Left In: 3843.333+/-0.648 χ^2/NDF:1196061.6/22

+ sign 3718.762+/-0.515 χ^2/NDF: 1891862.5/42

All: 3626.798+/-0.357 χ^2/NDF: 5412101.3/87

- sign 3541.950+/-0.495 χ^2/NDF: 3458955.0/44

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: 944.883+/-1170.043 χ^2/NDF: 19.4/21

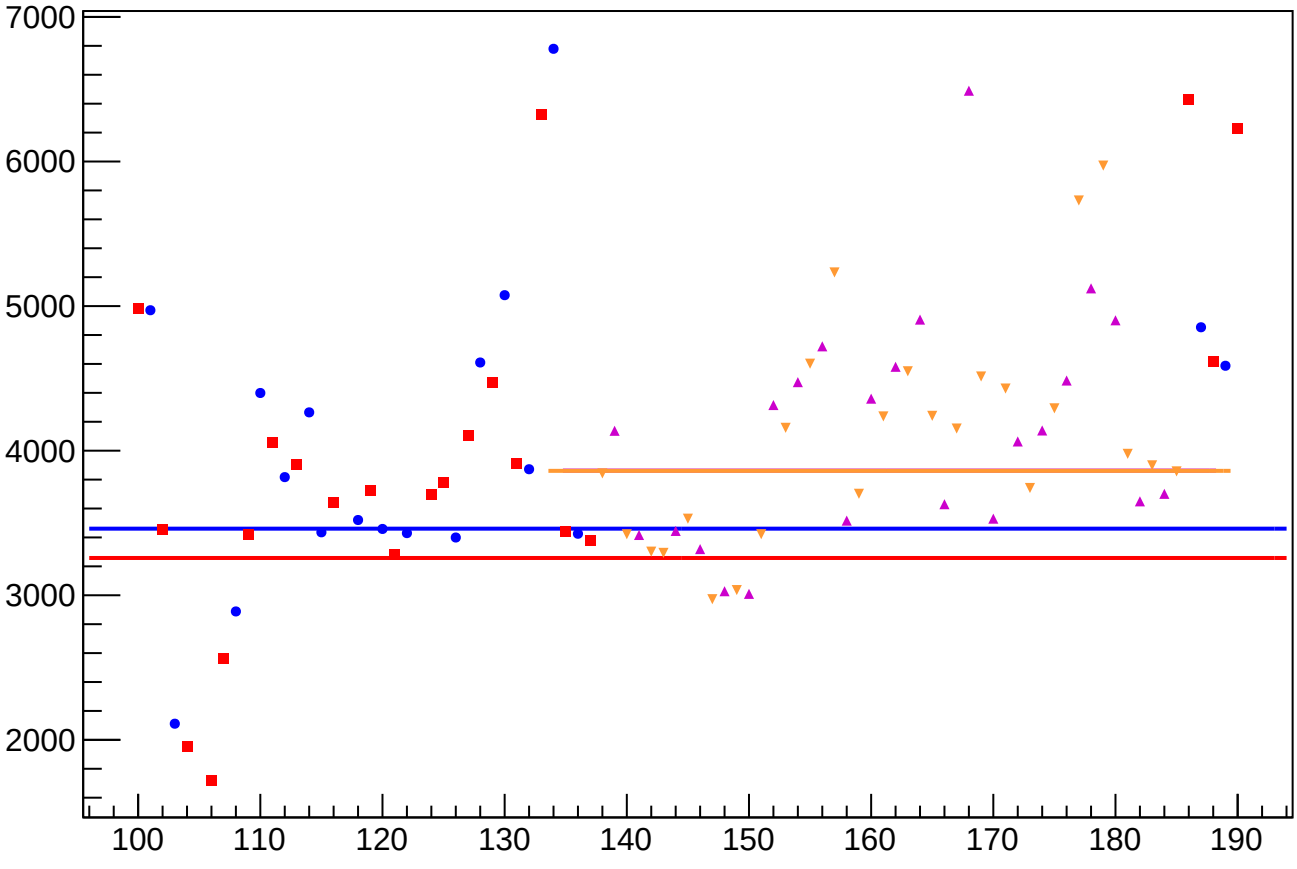
Left In: 416.803+/-919.006 χ^2/NDF:12.5/22

\+ sign -27.384+/-732.924 χ^2/NDF: 44.6/42

All: 299.975+/-514.612 χ^2/NDF: 77.0/87

\- sign 618.288+/-722.725 χ^2/NDF: 32.0/44

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

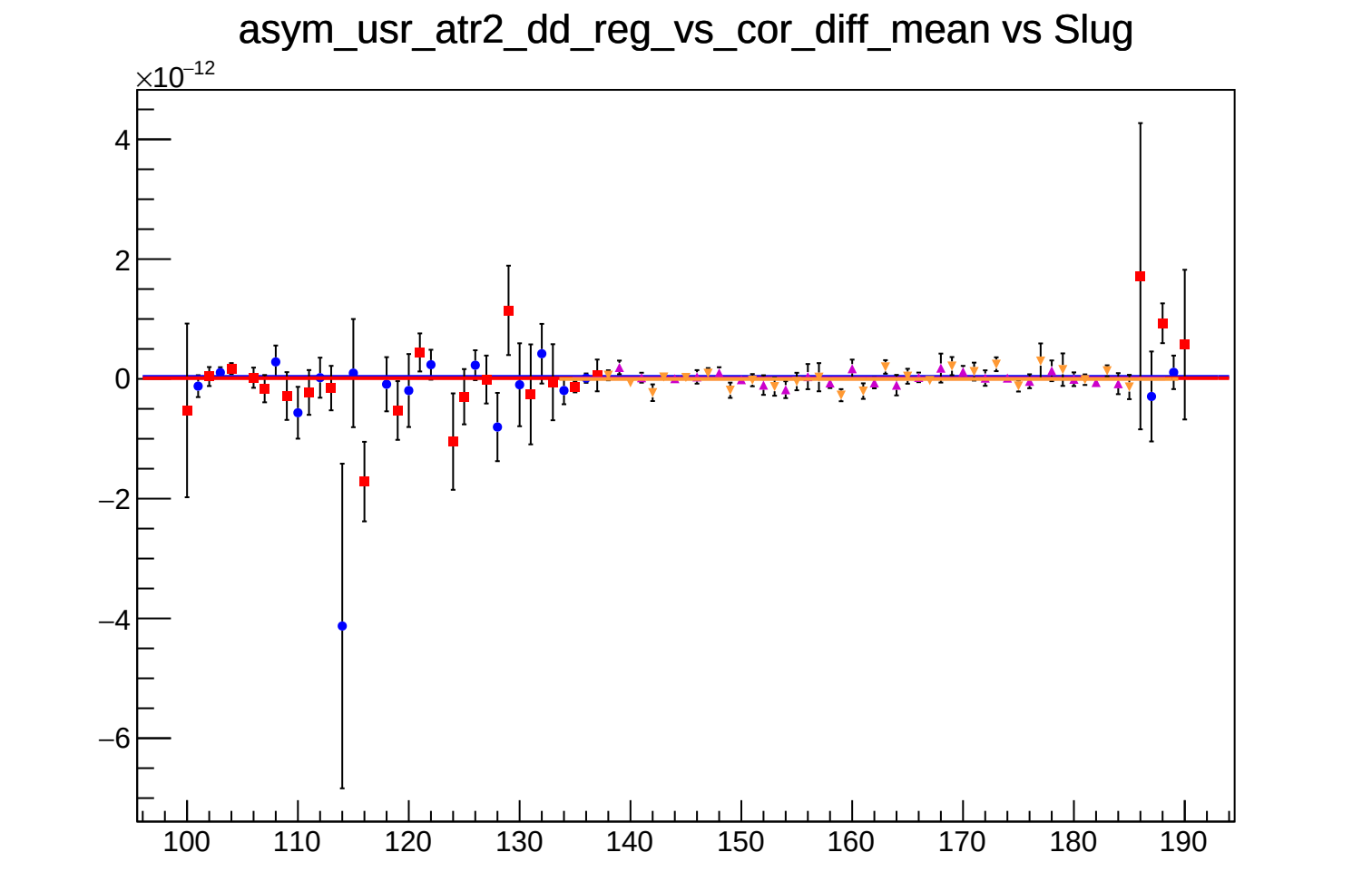
Right Out: 3257.893+/-0.815 χ^2/NDF: 1883661.0/21

Left In: 3862.339+/-0.650 χ^2/NDF:1142179.8/22

+ sign 3728.890+/-0.518 χ^2/NDF: 2376589.1/42

All: 3677.078+/-0.363 χ^2/NDF: 5758463.4/87

- sign 3627.294+/-0.508 χ^2/NDF: 3362276.0/44



Right In: 0.000+/-0.000 χ^2/NDF: 12.1/17

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/24

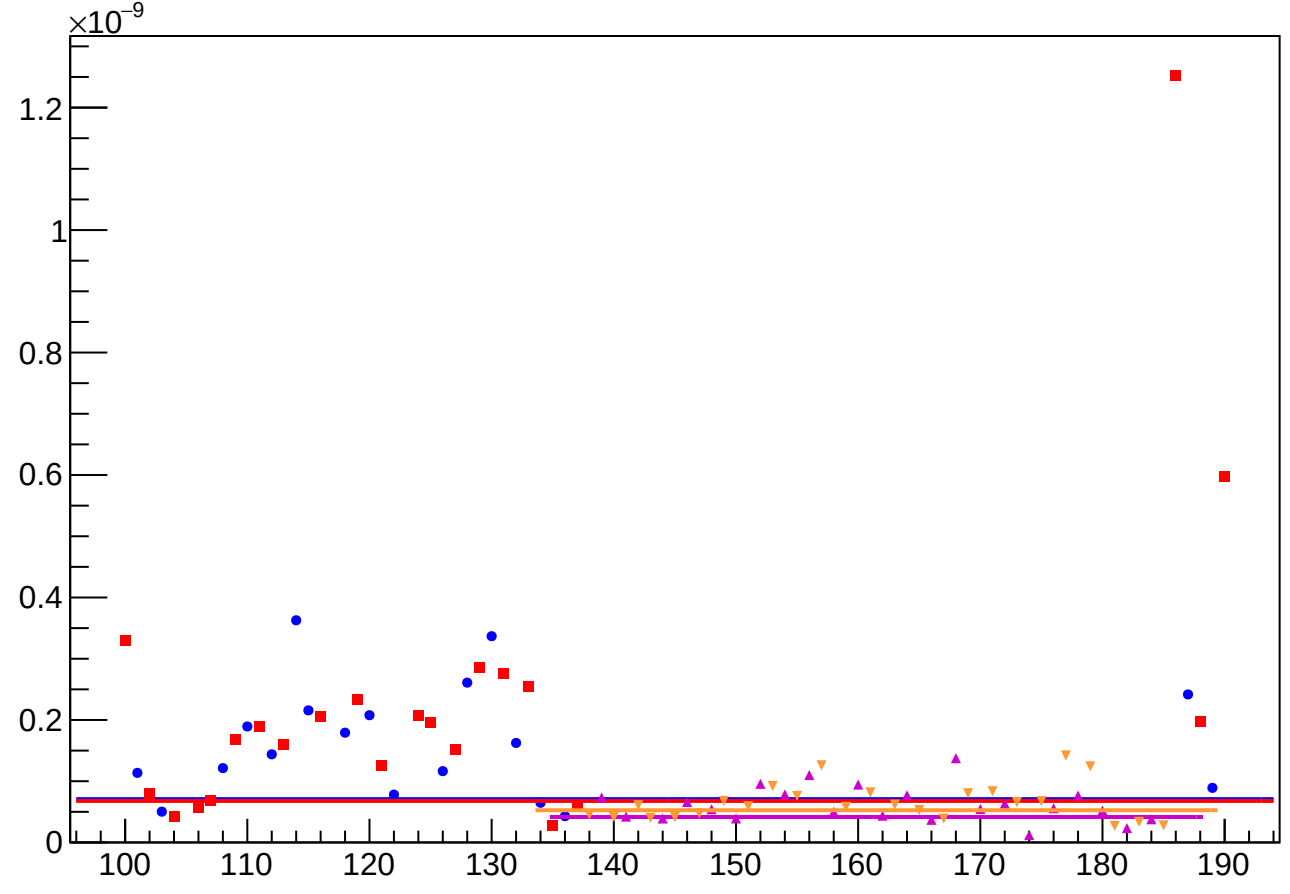
Right Out: 0.000+/-0.000 χ^2/NDF: 30.3/21

Left In: 0.000+/-0.000 χ^2/NDF:12.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.8/42

All: 0.000+/-0.000 χ^2/NDF: 90.0/87

- sign 0.000+/-0.000 χ^2/NDF: 43.2/44



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: 3359650.0/21

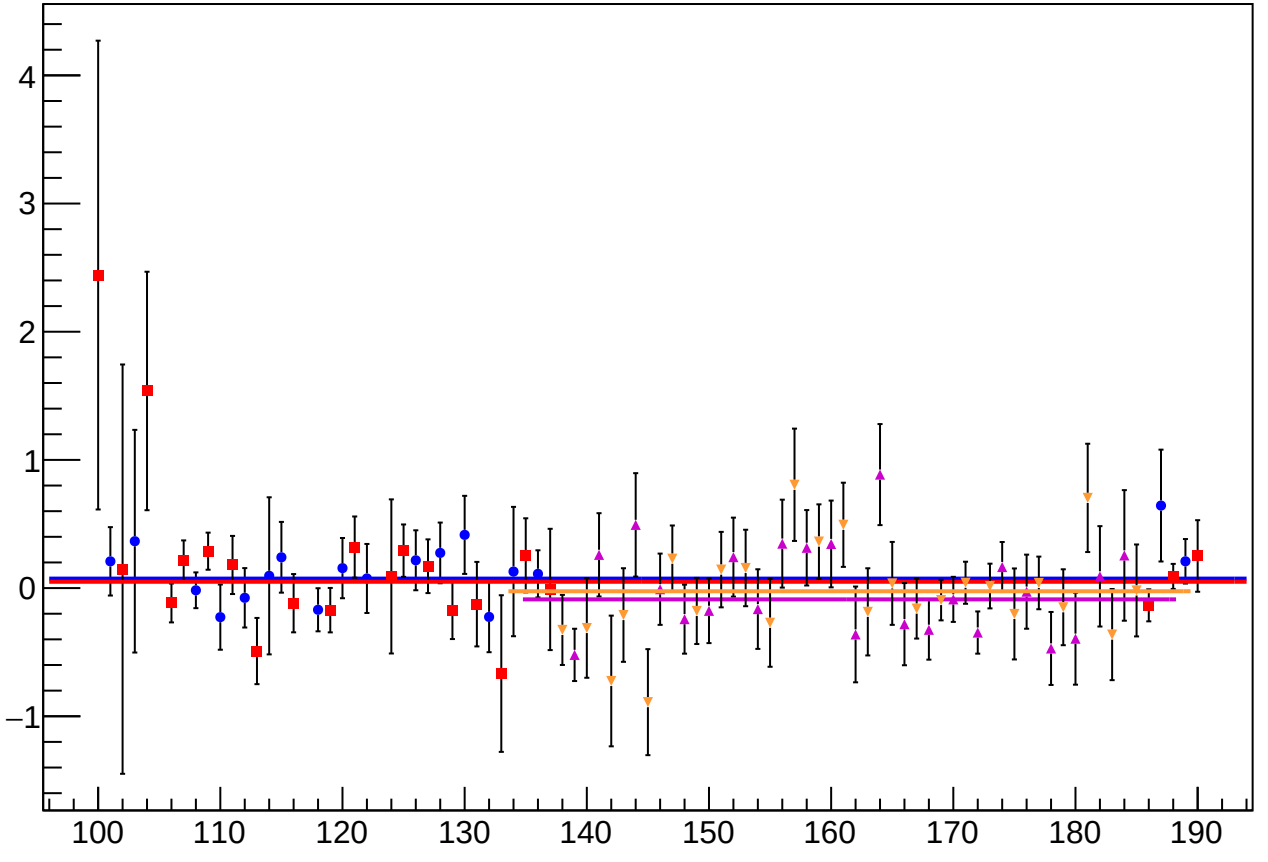
Left In: 0.000+/-0.000 χ^2/NDF:2939628.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 3691886.2/42

All: 0.000+/-0.000 χ^2/NDF: 10792745.9/87

- sign 0.000+/-0.000 χ^2/NDF: 6795152.8/44

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: 0.049+/-0.044 χ^2/NDF: 25.2/21

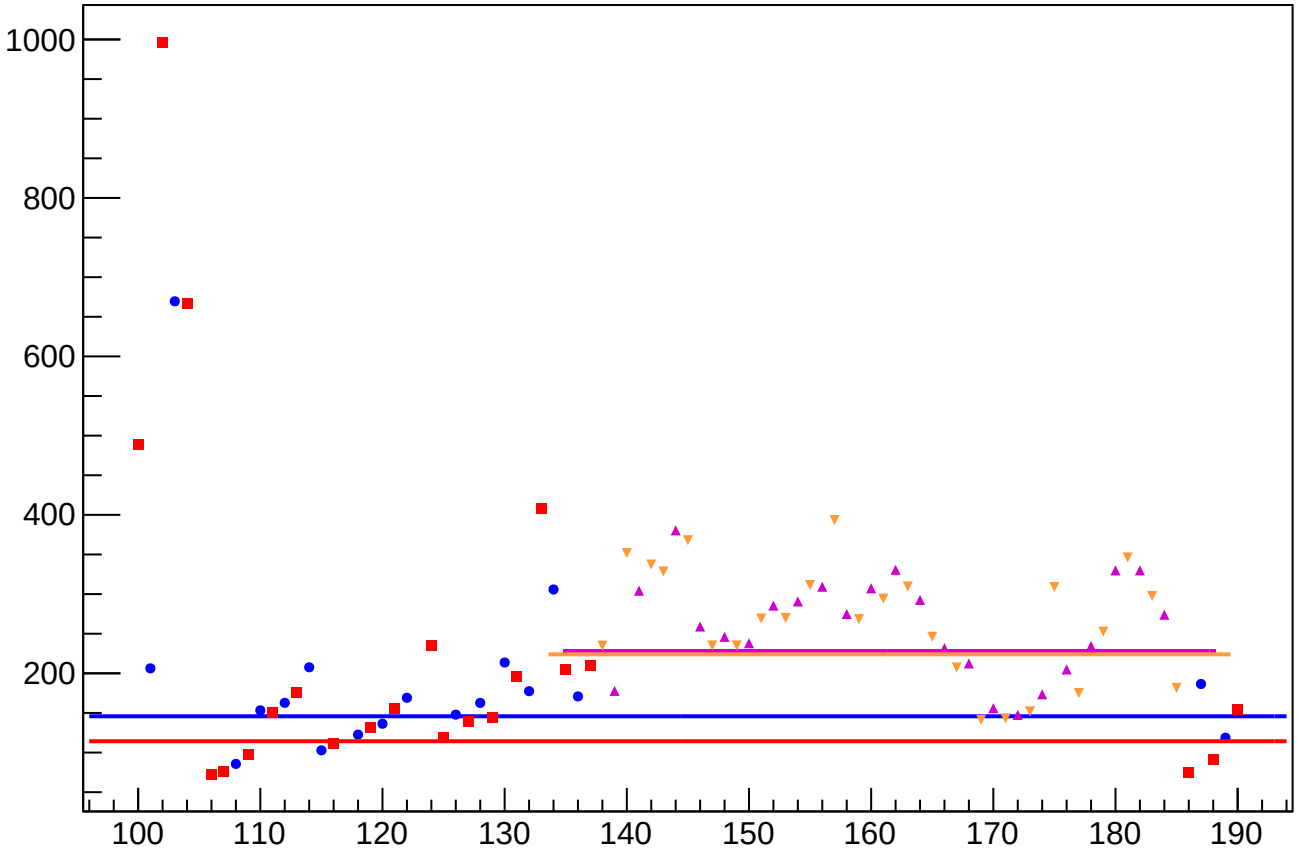
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.023+/-0.039 χ^2/NDF: 36.7/42

All: 0.009+/-0.026 χ^2/NDF: 95.8/87

- sign -0.002+/-0.035 χ^2/NDF: 58.8/44

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

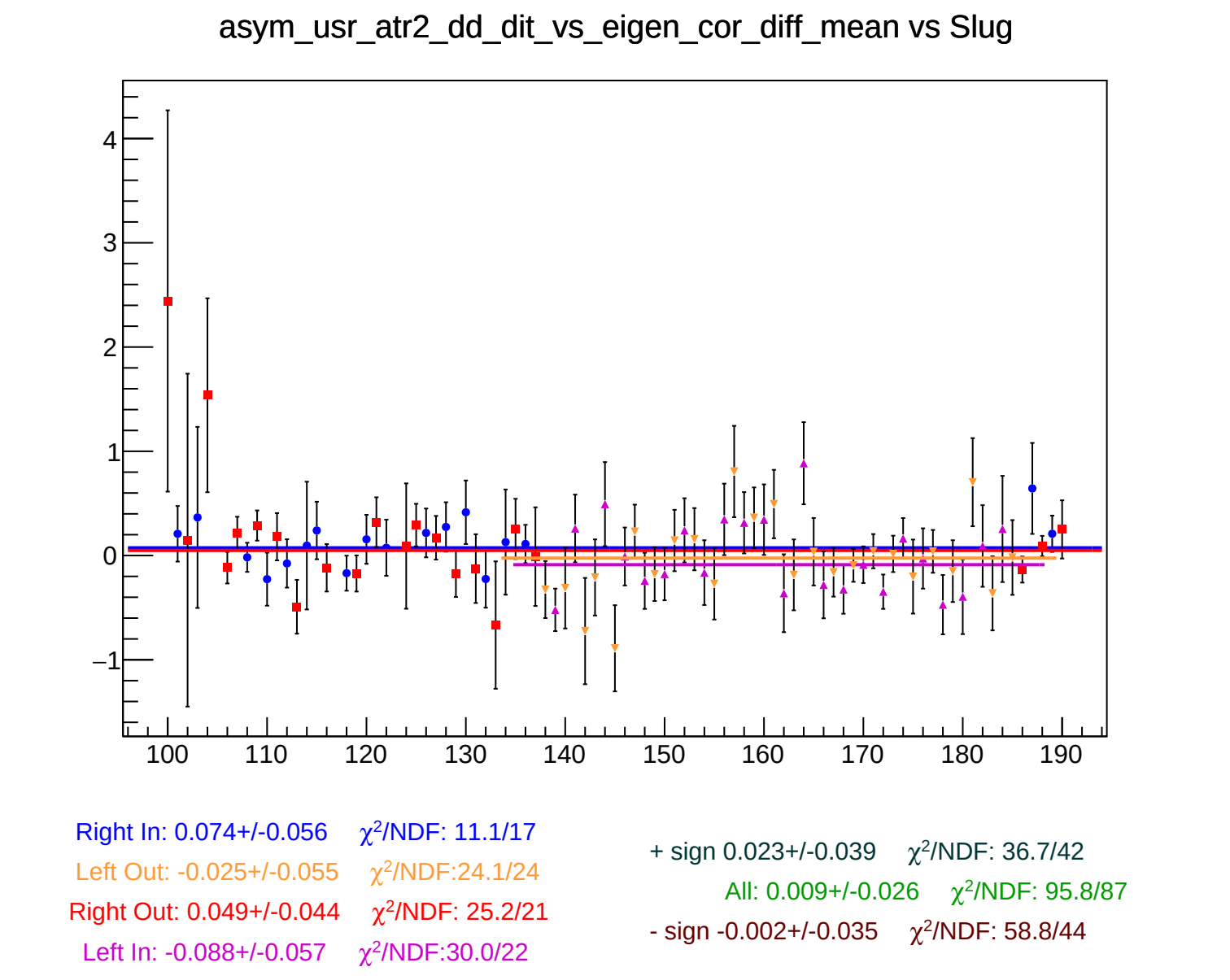
Right Out: 114.289+/-0.031 χ^2/NDF: 3318880.6/21

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

+ sign 186.035+/-0.028 χ^2/NDF: 7205464.7/42

All: 169.876+/-0.018 χ^2/NDF: 18662790.9/87

- sign 157.160+/-0.025 χ^2/NDF: 10849491.1/44


asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug
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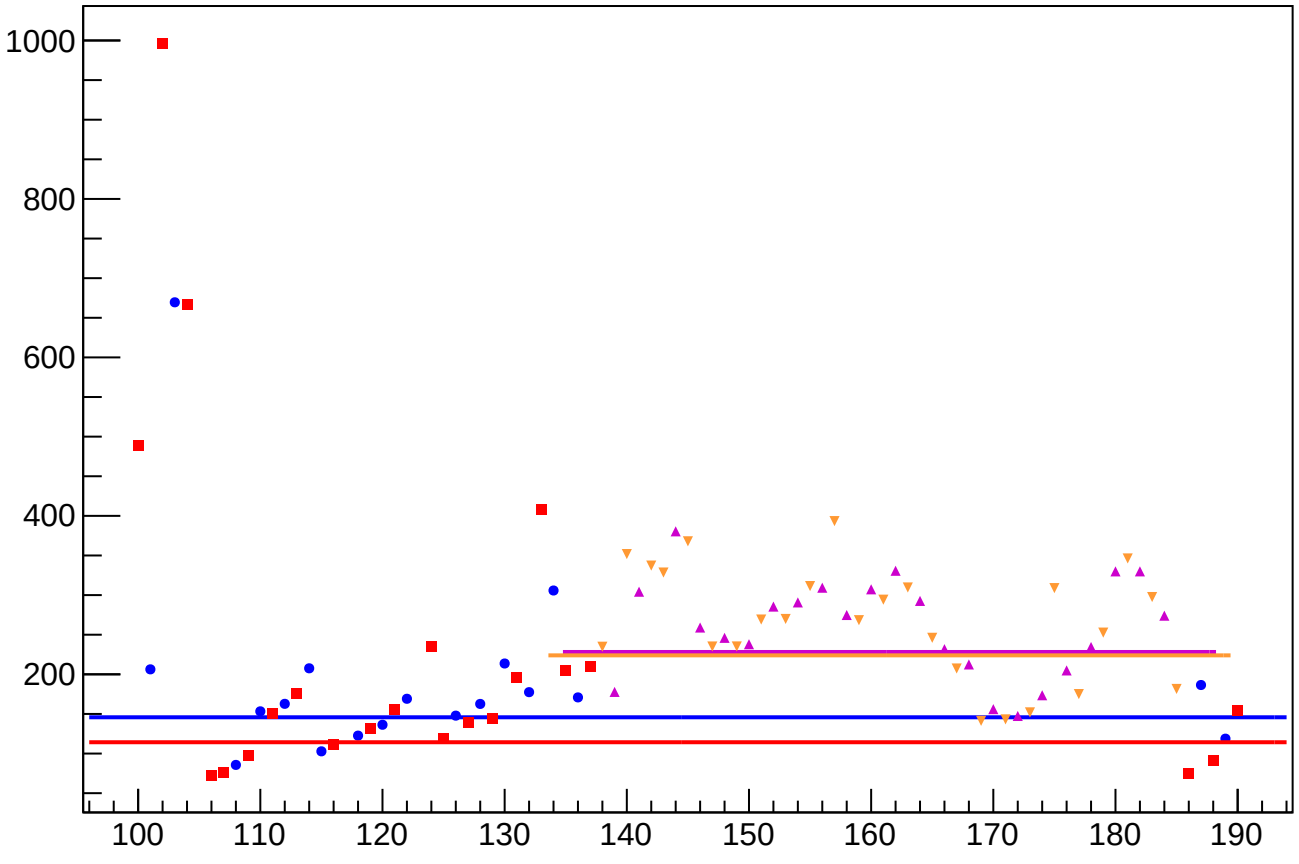
170
180
190
Right In: 0.074+/-0.056 χ²/NDF: 11.1/17
Left Out: -0.025+/-0.055 χ²/NDF:24.1/24
Right Out: 0.049+/-0.044 χ²/NDF: 25.2/21
Left In: -0.088+/-0.057 χ²/NDF:30.0/22
+ sign 0.023+/-0.039 χ²/NDF: 36.7/42
All: 0.009+/-0.026 χ²/NDF: 95.8/87
- sign -0.002+/-0.035 χ²/NDF: 58.8/44



Right In: 145.785+/-0.040 χ^2/NDF: 1779139.1/17

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

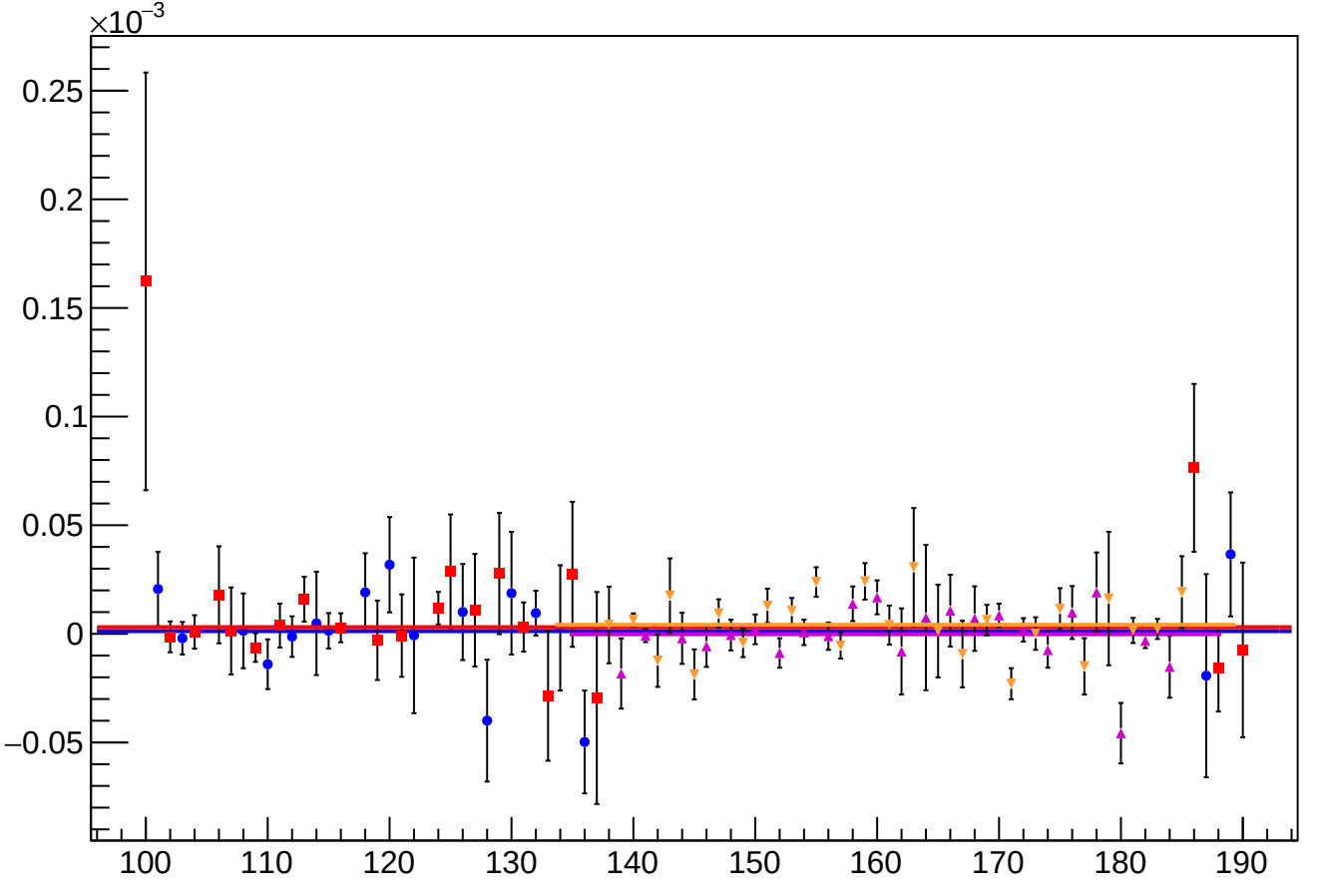
Right Out: 114.289+/-0.031 χ^2/NDF: 3318880.6/21

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

+ sign 186.035+/-0.028 χ^2/NDF: 7205464.7/42

All: 169.876+/-0.018 χ^2/NDF: 18662790.9/87

- sign 157.160+/-0.025 χ^2/NDF: 10849491.1/44



Right In: 0.000+/-0.000 χ^2/NDF: 16.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:48.8/24

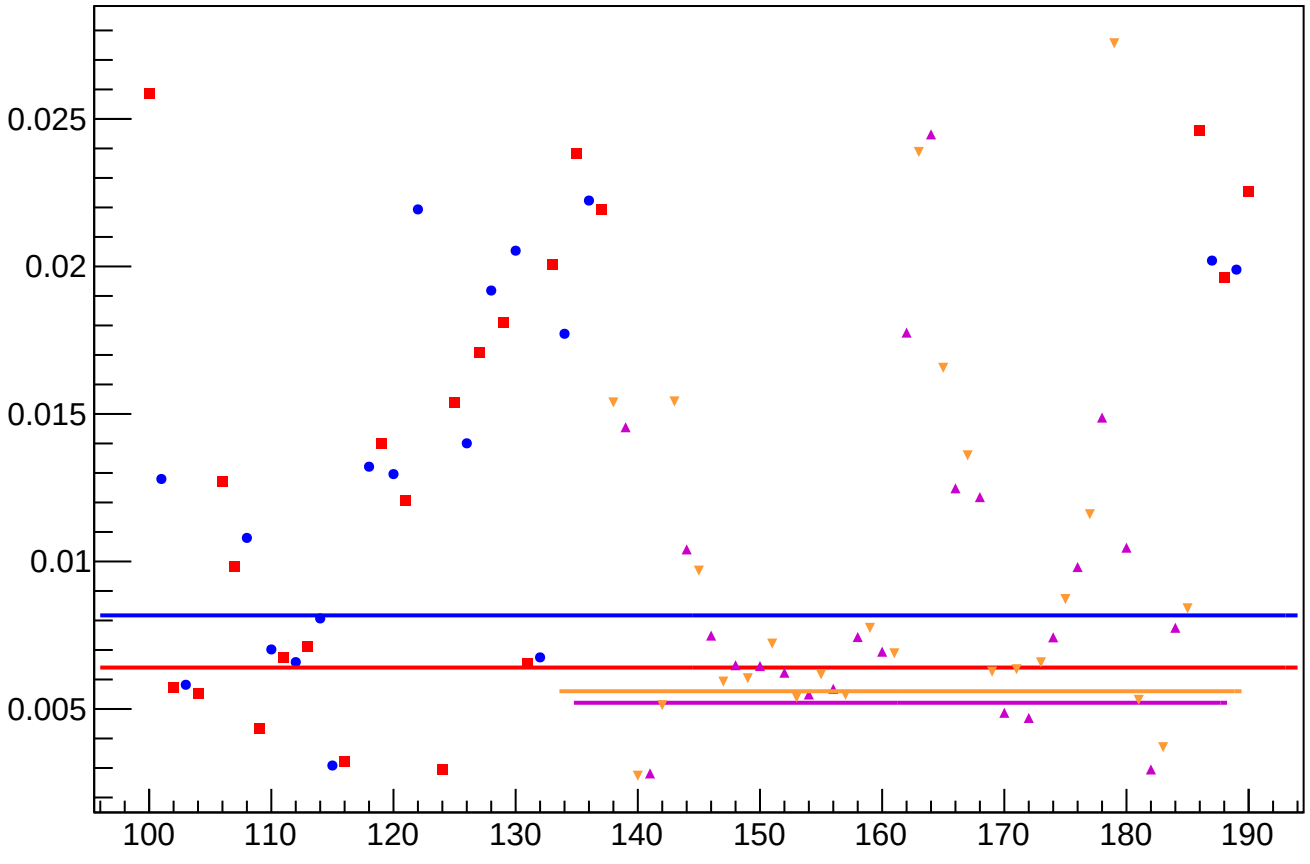
Right Out: 0.000+/-0.000 χ^2/NDF: 17.3/21

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: 116.8/87

- sign 0.000+/-0.000 χ^2/NDF: 48.5/44



Right In: 0.008+/-0.000 χ^2/NDF: 4056762.3/17

Left Out: 0.006+/-0.000 χ^2/NDF:7769287.5/24

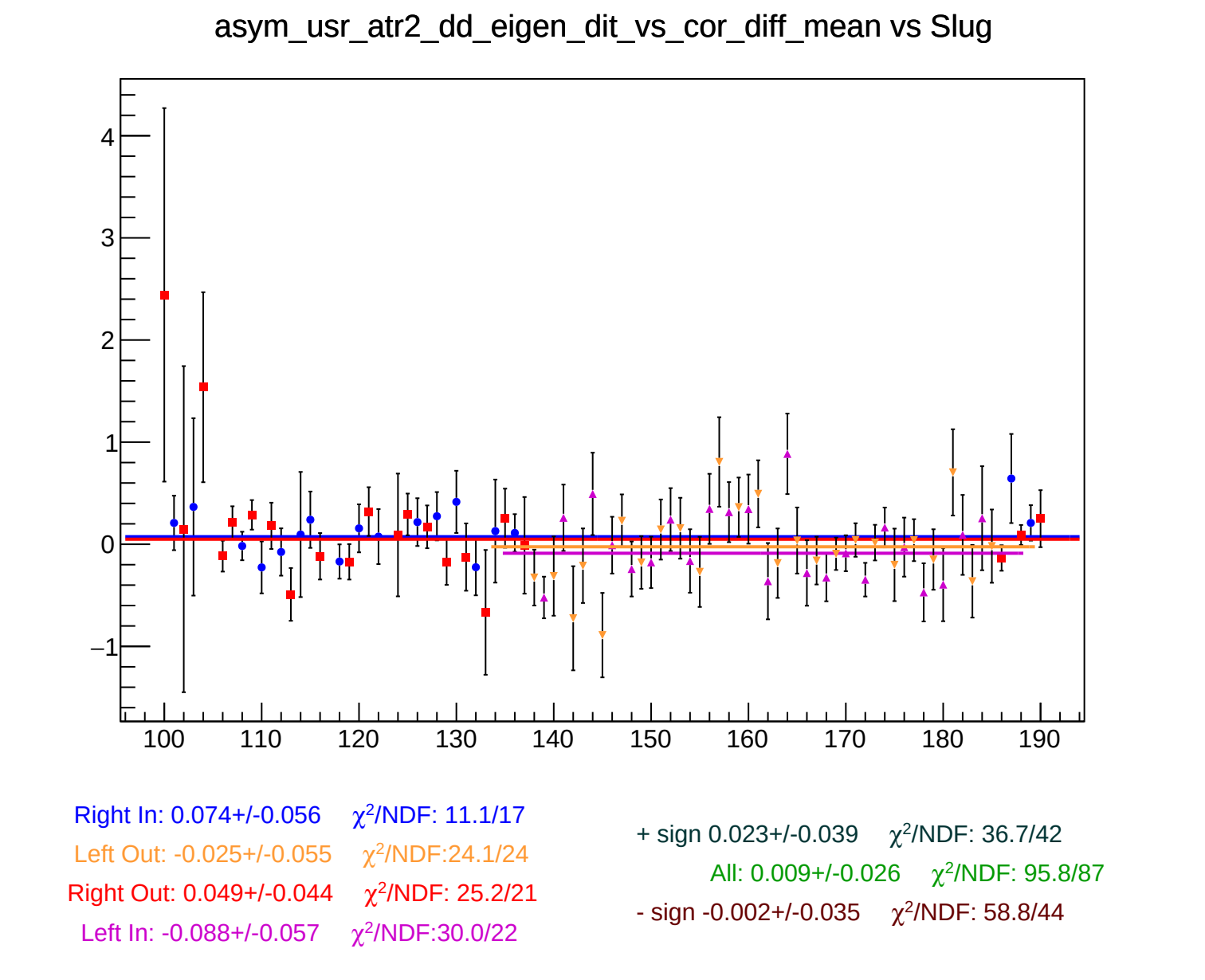
Right Out: 0.006+/-0.000 χ^2/NDF: 5689703.2/21

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: 26404681.3/87

- sign 0.005+/-0.000 χ^2/NDF: 13473322.7/44


asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug
4
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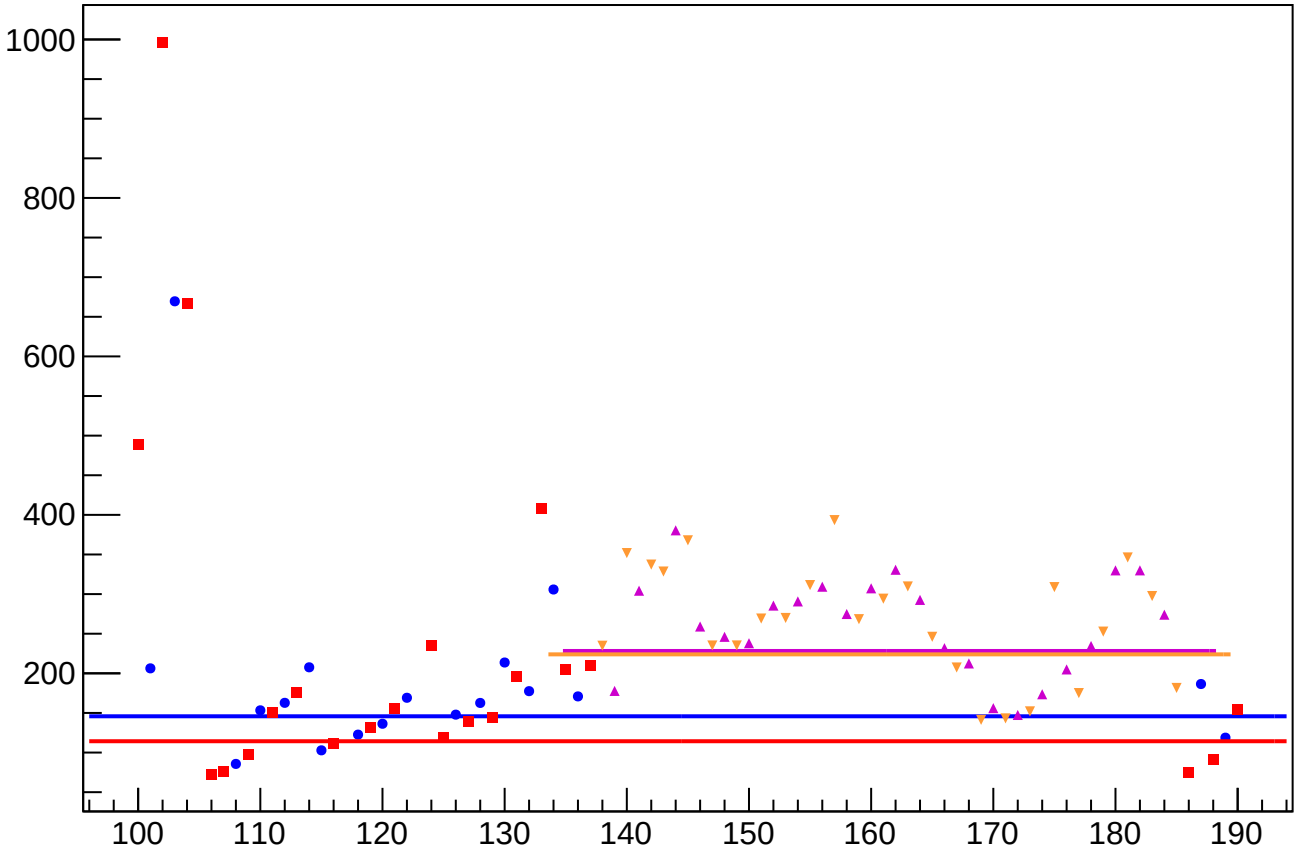
170
180
190
Right In: 0.074+/-0.056 χ²/NDF: 11.1/17
Left Out: -0.025+/-0.055 χ²/NDF:24.1/24
Right Out: 0.049+/-0.044 χ²/NDF: 25.2/21
Left In: -0.088+/-0.057 χ²/NDF:30.0/22
+ sign 0.023+/-0.039 χ²/NDF: 36.7/42
All: 0.009+/-0.026 χ²/NDF: 95.8/87
- sign -0.002+/-0.035 χ²/NDF: 58.8/44

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

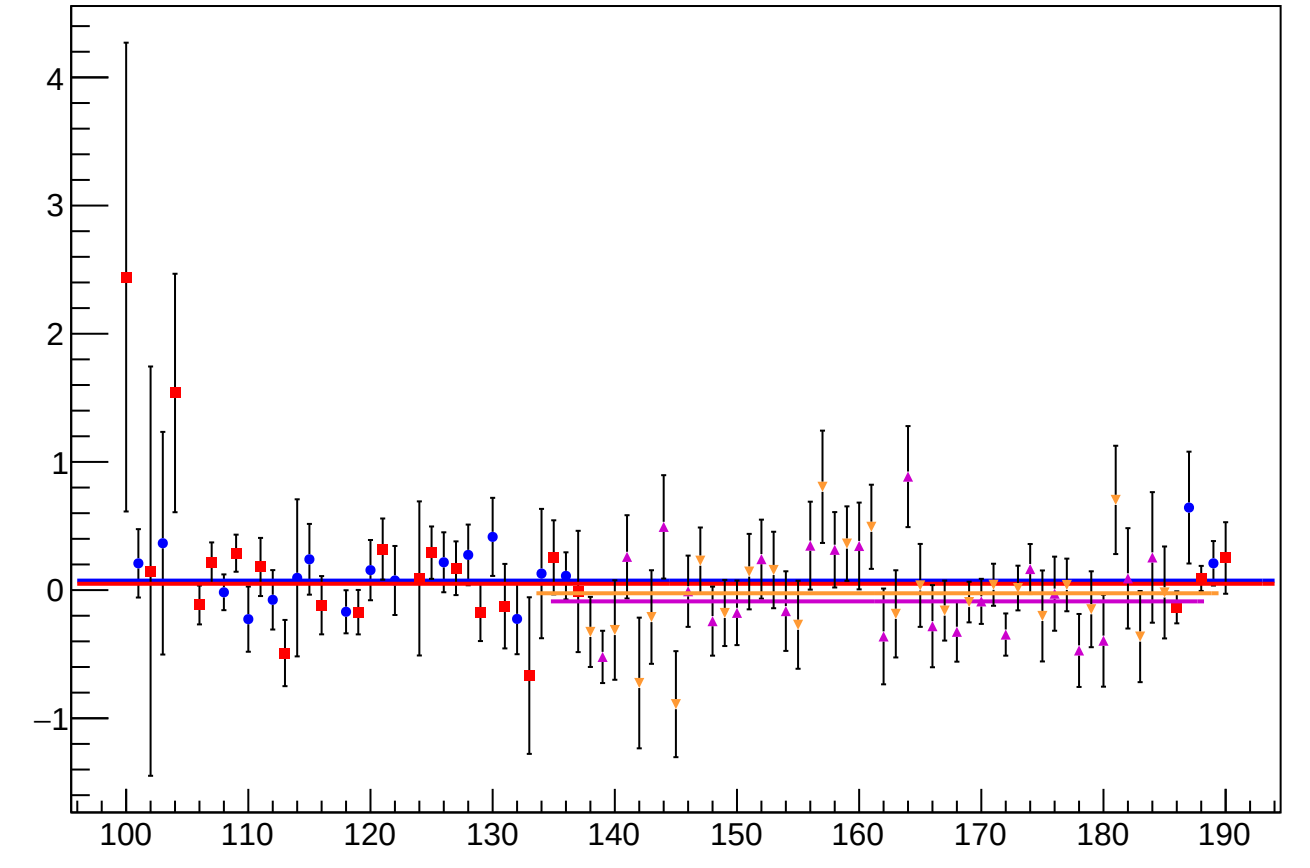
Right Out: 114.294+/-0.031 χ^2/NDF: 3318582.7/21

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

+ sign 186.033+/-0.028 χ^2/NDF: 7205942.7/42

All: 169.878+/-0.018 χ^2/NDF: 18662284.7/87

- sign 157.165+/-0.025 χ^2/NDF: 10848799.6/44



Right In: 0.074+/-0.056 χ^2/NDF: 11.1/17

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

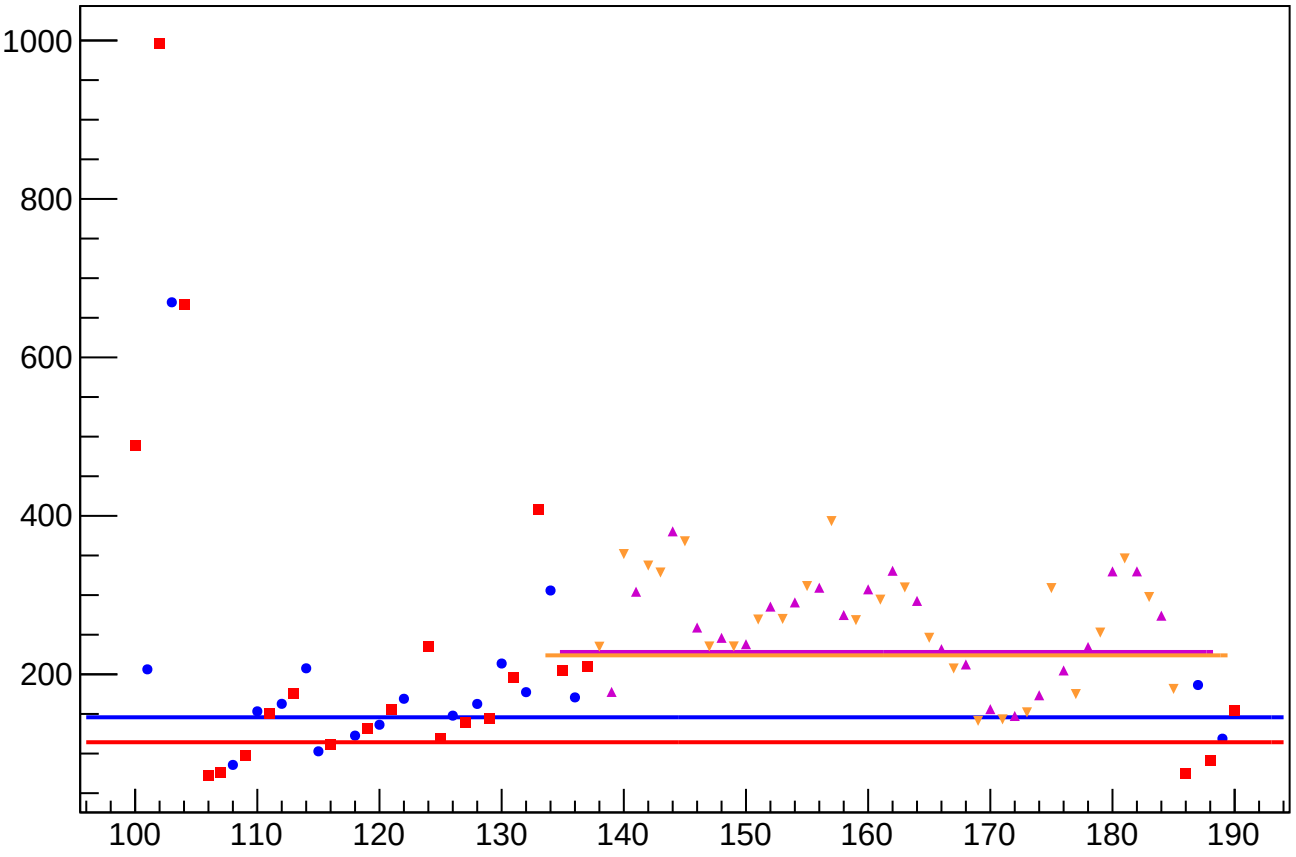
Right Out: 0.049+/-0.044 χ^2/NDF: 25.2/21

Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.023+/-0.039 χ^2/NDF: 36.7/42

All: 0.009+/-0.026 χ^2/NDF: 95.8/87

- sign -0.002+/-0.035 χ^2/NDF: 58.8/44



Right In: 145.781+/-0.040 χ^2/NDF: 1779244.2/17

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

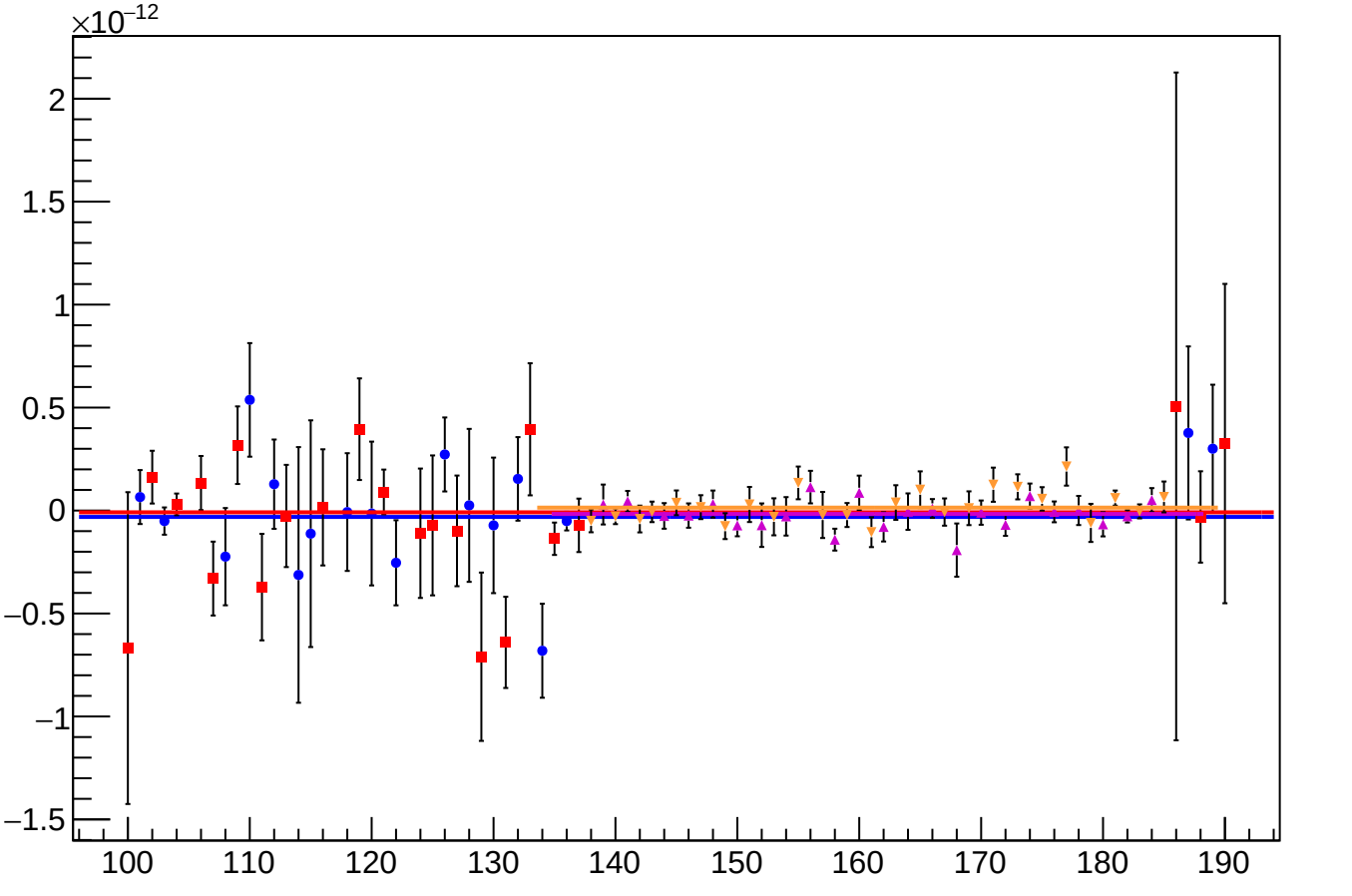
Right Out: 114.294+/-0.031 χ^2/NDF: 3318582.7/21

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

+ sign 186.033+/-0.028 χ^2/NDF: 7205942.7/42

All: 169.878+/-0.018 χ^2/NDF: 18662284.7/87

- sign 157.165+/-0.025 χ^2/NDF: 10848799.6/44



Right In: -0.000+/-0.000 χ^2/NDF: 21.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

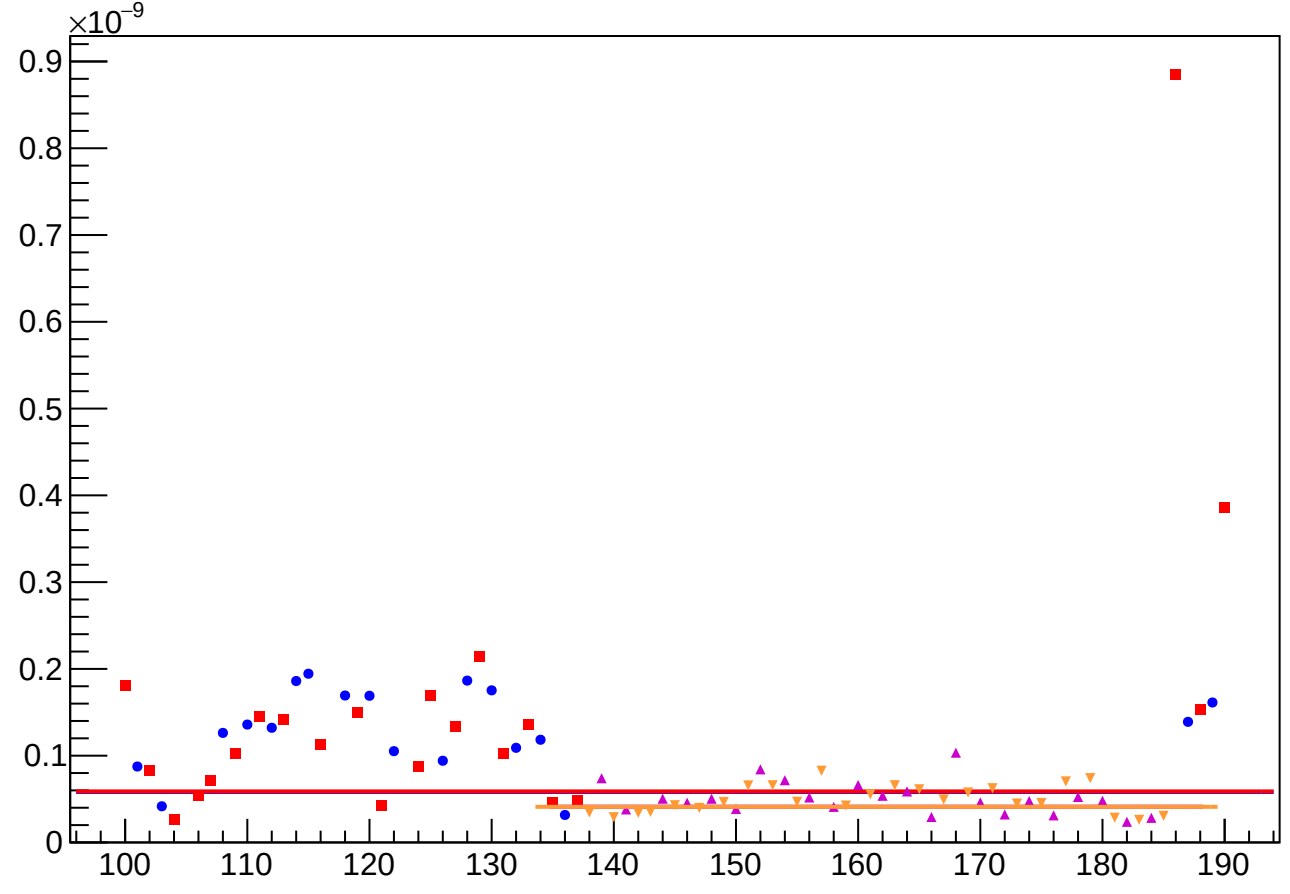
Right Out: -0.000+/-0.000 χ^2/NDF: 32.1/21

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: 104.8/87

- sign -0.000+/-0.000 χ^2/NDF: 53.9/44



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: 3990018.7/21

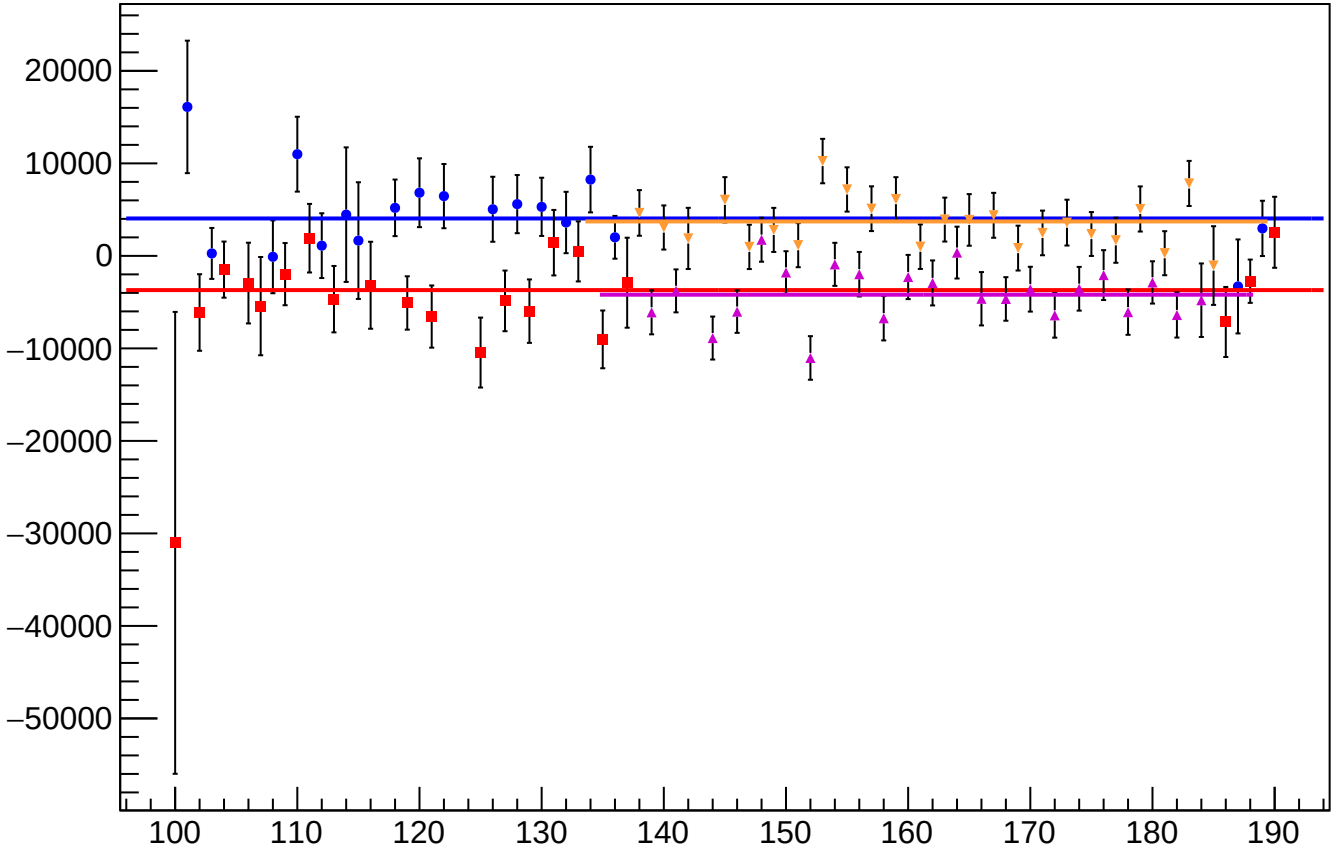
Left In: 0.000+/-0.000 χ^2/NDF:2852113.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 6563021.4/42

All: 0.000+/-0.000 χ^2/NDF: 13940463.2/87

- sign 0.000+/-0.000 χ^2/NDF: 7376593.3/44

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: -3698.807+/-781.440 χ^2/NDF: 19.9/20

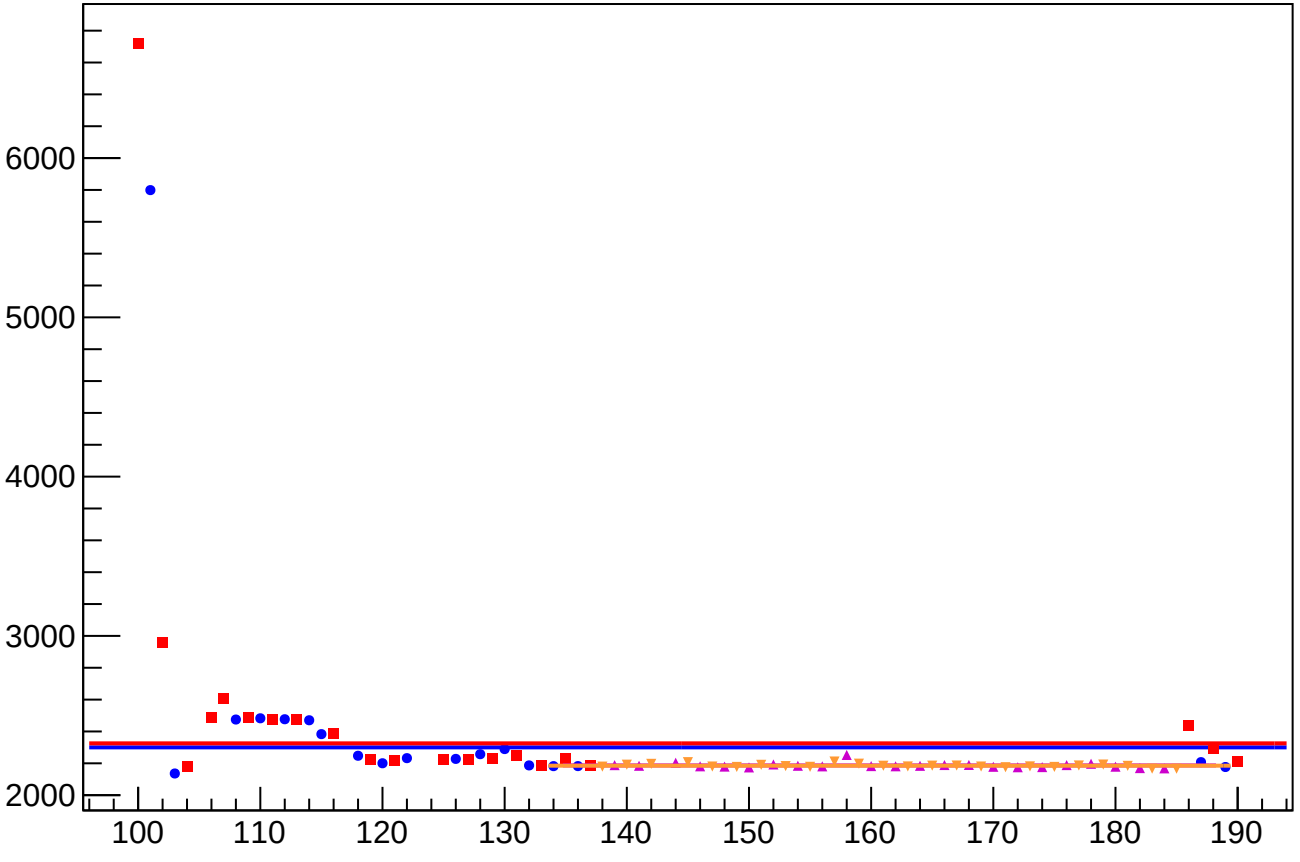
Left In: -4195.942+/-510.578 χ^2/NDF:32.1/22

+ sign 3810.880+/-432.566 χ^2/NDF: 41.3/41

All: -165.096+/-304.038 χ^2/NDF: 260.5/85

- sign -4047.207+/-427.429 χ^2/NDF: 52.3/43

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

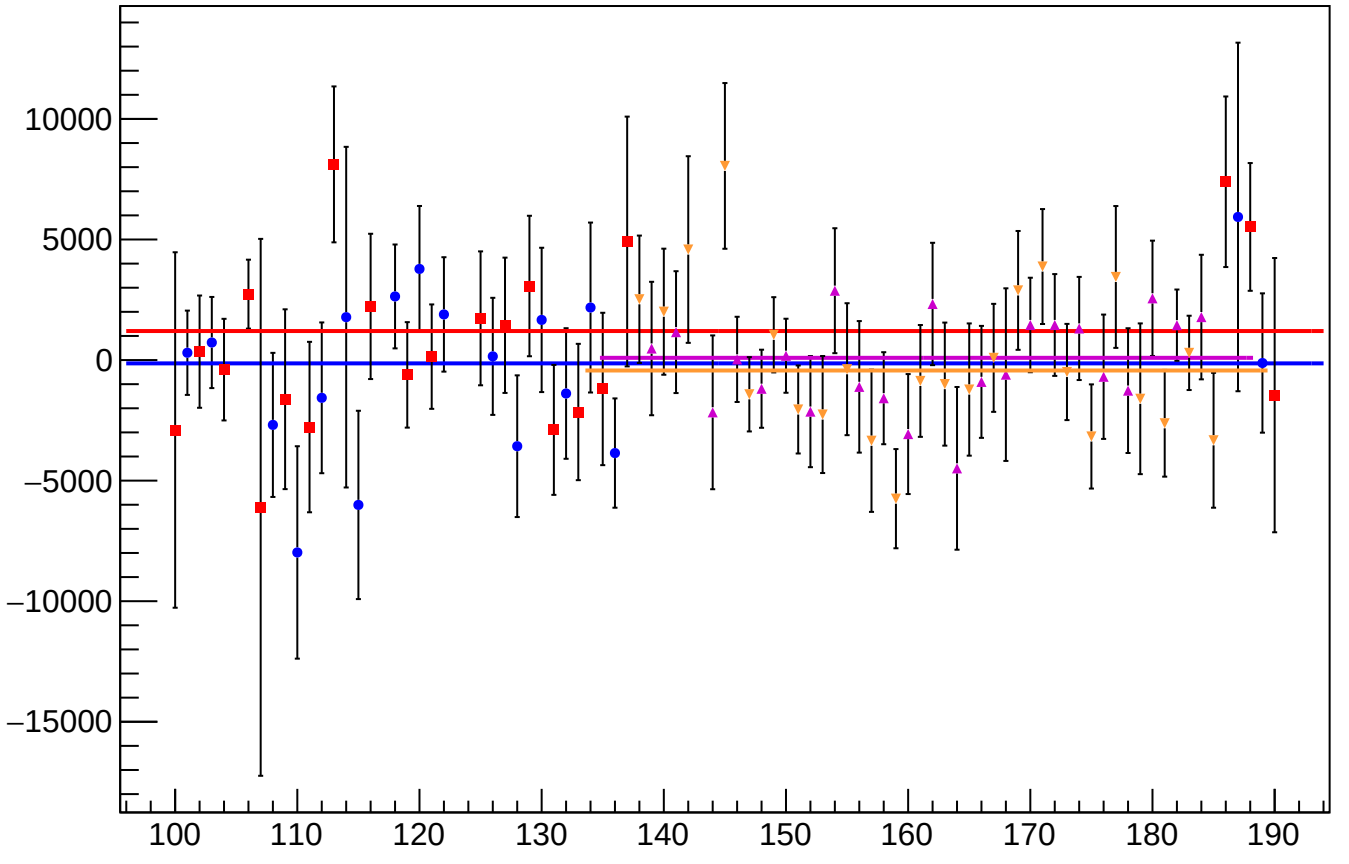
Right Out: 2325.330+/-0.553 χ^2/NDF: 155224.0/20

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2216.460+/-0.306 χ^2/NDF: 545722.4/41

All: 2222.404+/-0.215 χ^2/NDF: 747839.9/85

- sign 2228.208+/-0.302 χ^2/NDF: 201371.2/43



Right In: -137.490+/-639.361 χ^2/NDF: 17.1/17

Left Out: -432.286+/-462.383 χ^2/NDF:31.3/23

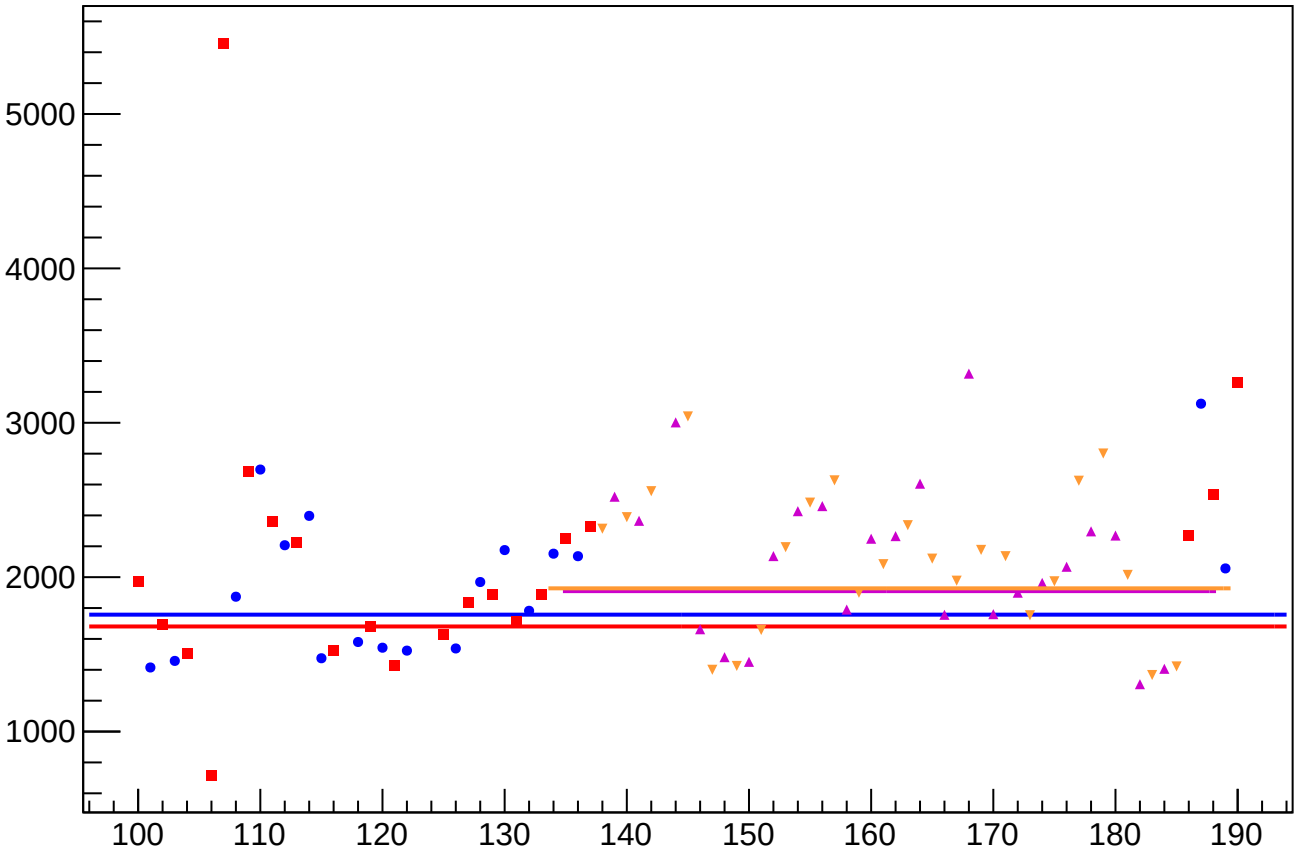
Right Out: 1203.630+/-604.771 χ^2/NDF: 21.3/20

Left In: 92.649+/-460.669 χ^2/NDF:12.8/22

+ sign -331.051+/-374.671 χ^2/NDF: 48.6/41

All: 93.973+/-261.982 χ^2/NDF: 87.3/85

- sign 500.577+/-366.462 χ^2/NDF: 36.2/43



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: 1680.661+/-0.428 χ^2/NDF: 2012905.0/20

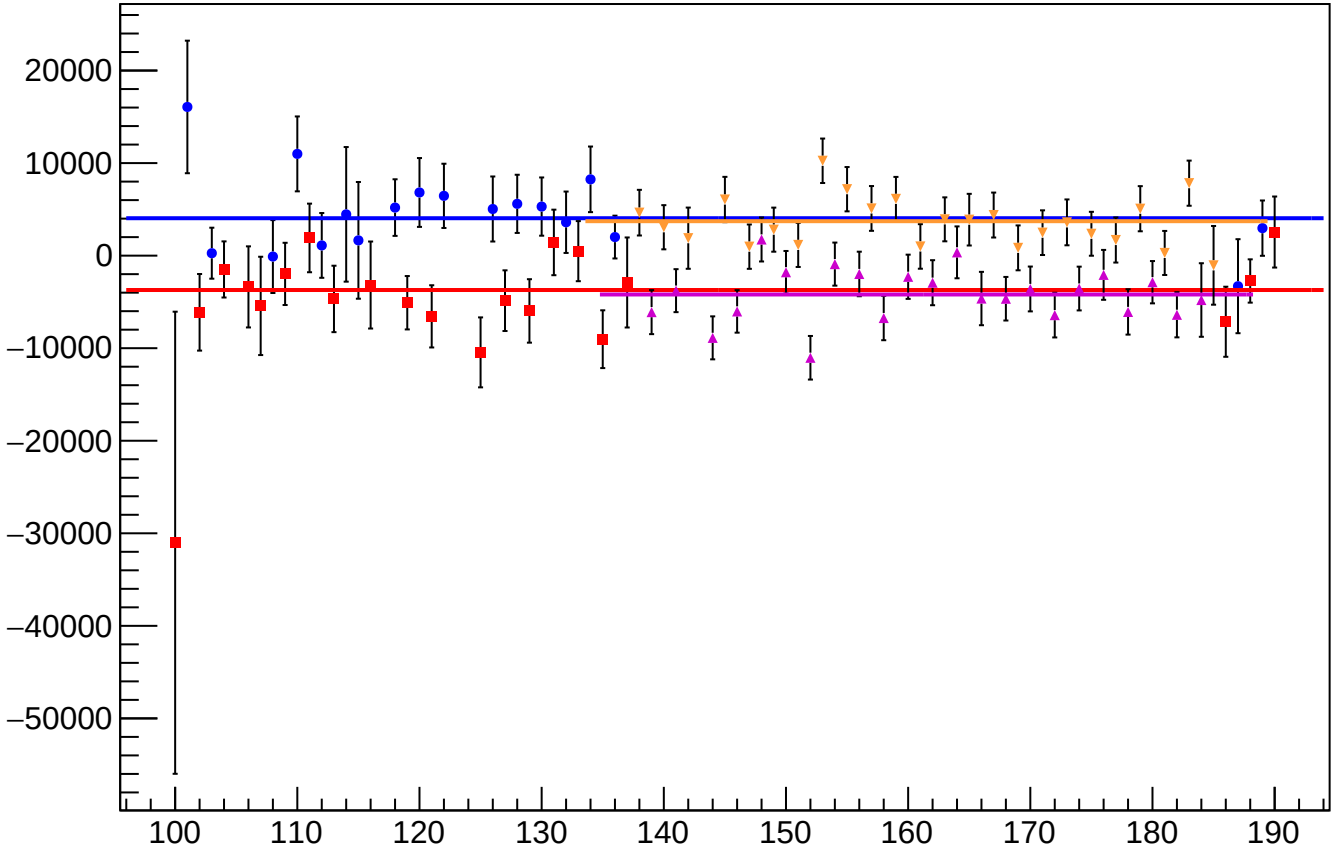
Left In: 1909.612+/-0.326 χ^2/NDF:1942264.8/22

+ sign 1869.115+/-0.265 χ^2/NDF: 2466997.5/41

All: 1846.848+/-0.185 χ^2/NDF: 6617379.9/85

- sign 1825.546+/-0.259 χ^2/NDF: 4136560.7/43

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: -3713.331+/-781.549 χ^2/NDF: 19.9/20

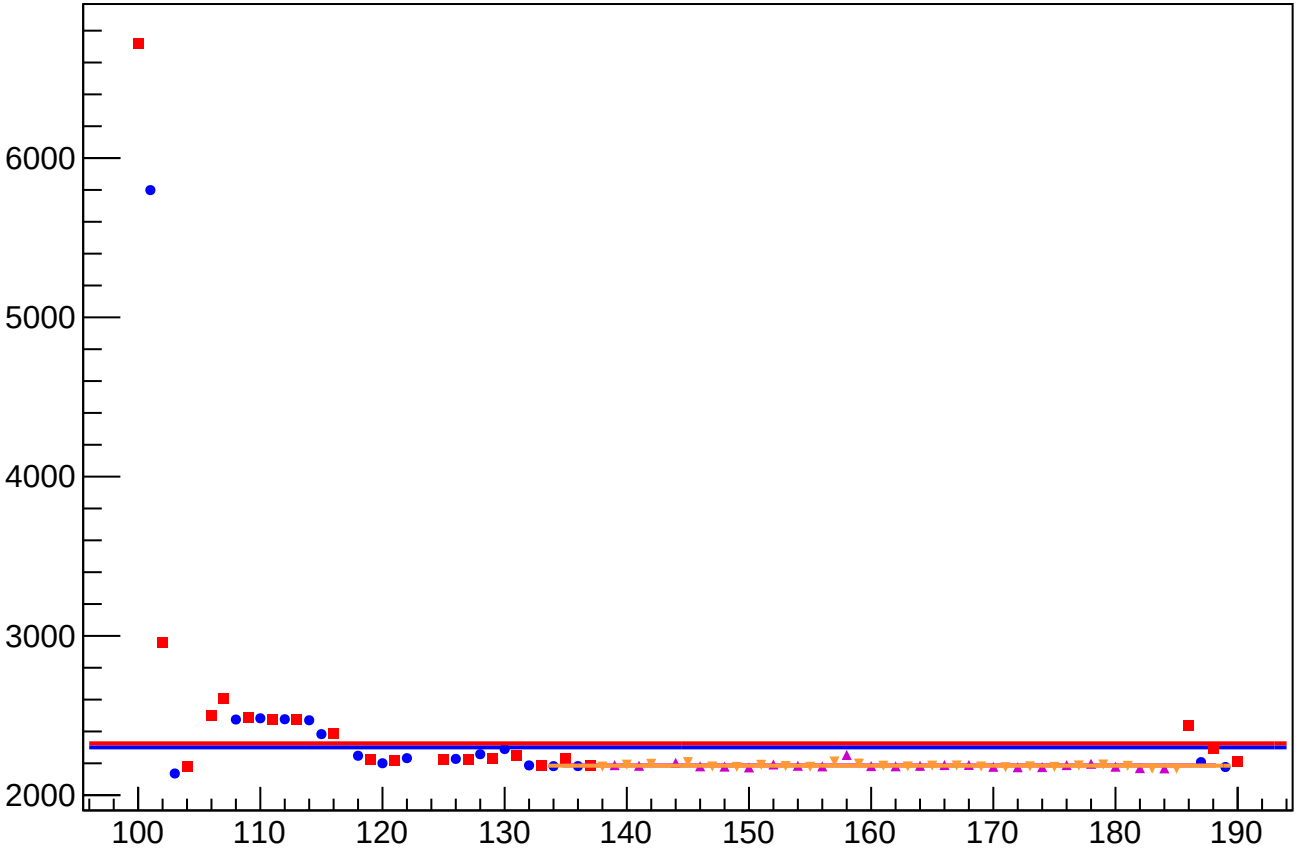
Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

+ sign 3810.683+/-432.566 χ^2/NDF: 41.3/41

All: -167.285+/-304.044 χ^2/NDF: 260.7/85

- sign -4051.664+/-427.447 χ^2/NDF: 52.3/43

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

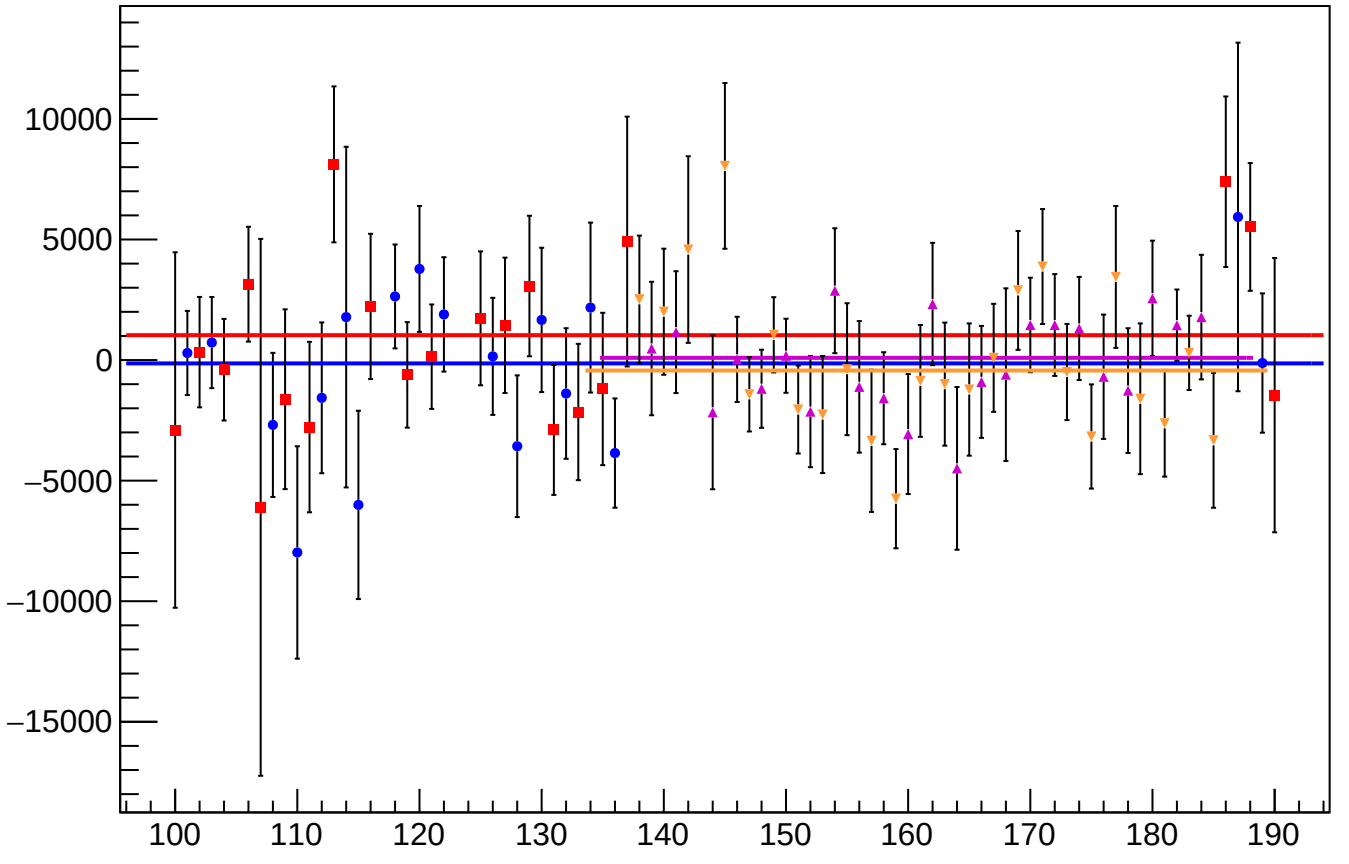
Right Out: 2325.626+/-0.553 χ^2/NDF: 155579.6/20

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2216.460+/-0.306 χ^2/NDF: 545722.7/41

All: 2222.445+/-0.215 χ^2/NDF: 748385.8/85

- sign 2228.288+/-0.302 χ^2/NDF: 201906.5/43



Right In: -138.530+/-639.243 χ^2/NDF: 17.1/17

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

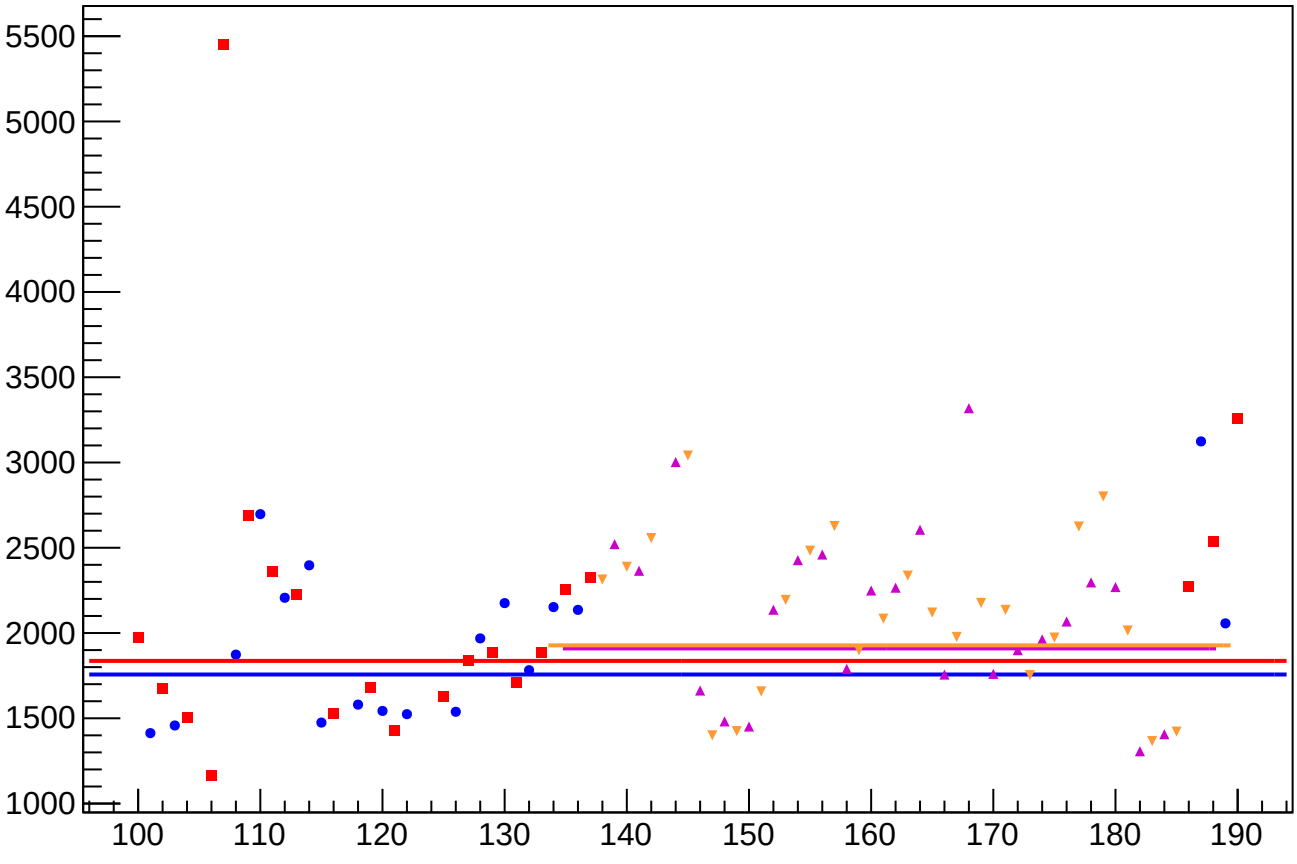
Right Out: 1032.281+/-641.847 χ^2/NDF: 20.7/20

Left In: 92.604+/-460.670 χ^2/NDF:12.8/22

+ sign -331.406+/-374.647 χ^2/NDF: 48.6/41

All: 40.731+/-264.776 χ^2/NDF: 85.4/85

- sign 412.085+/-374.253 χ^2/NDF: 34.9/43



Right In: 1756.798+/-0.452 χ^2/NDF: 576308.6/17

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

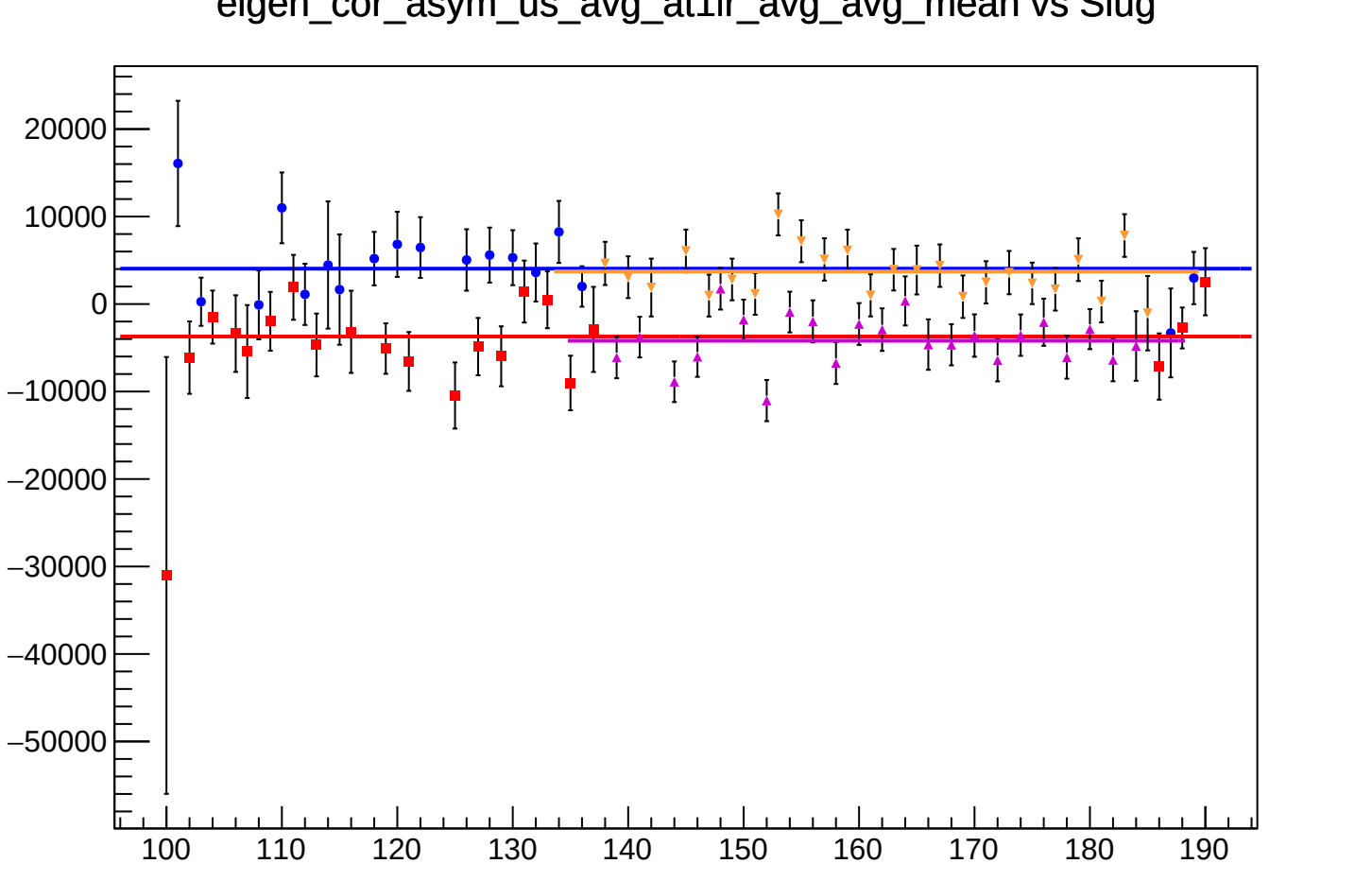
Right Out: 1836.587+/-0.454 χ^2/NDF: 1075120.7/20

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

+ sign 1868.970+/-0.265 χ^2/NDF: 2468520.4/41

All: 1876.887+/-0.187 χ^2/NDF: 5504801.8/85

- sign 1884.788+/-0.265 χ^2/NDF: 3034496.9/43



Right In: 4043.598+/-828.621 χ^2/NDF: 15.7/17

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

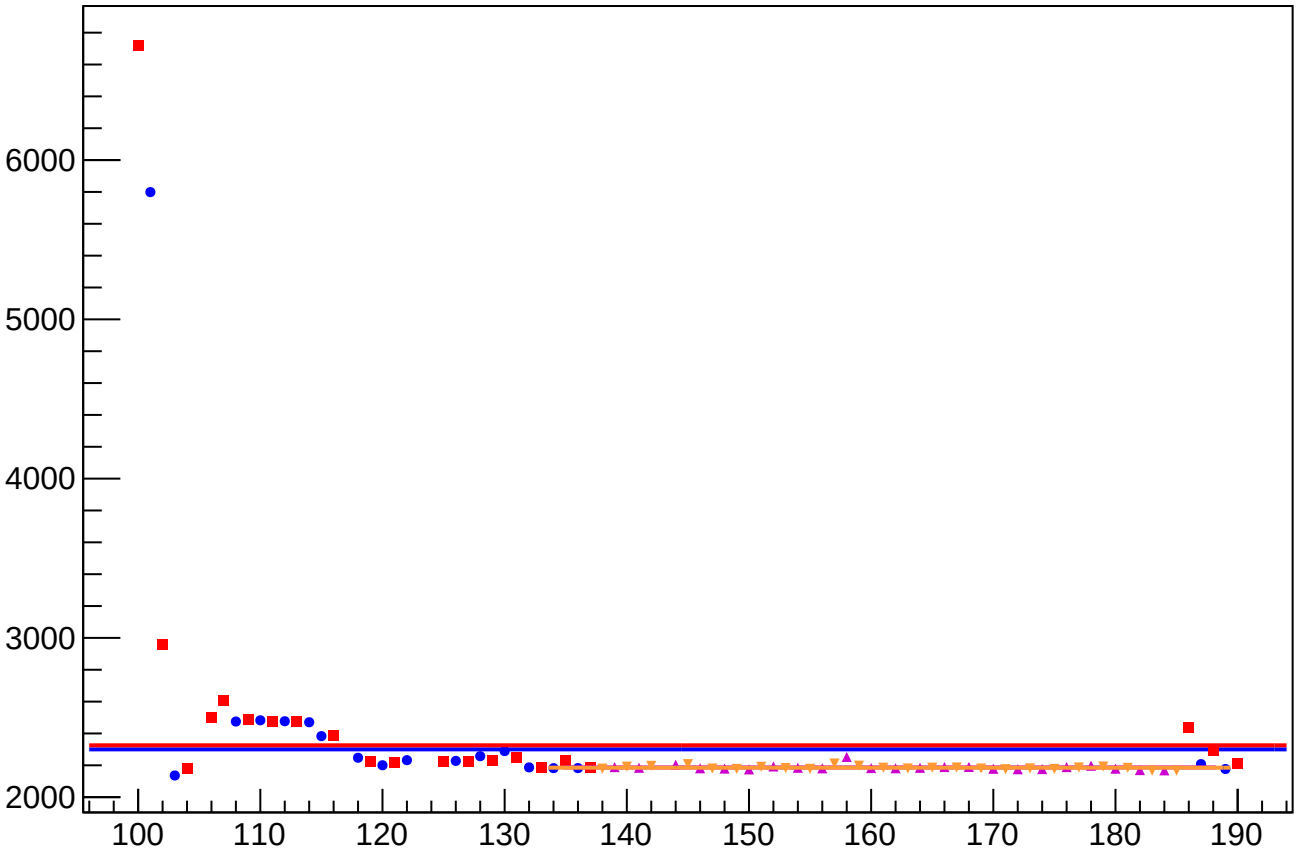
Right Out: -3713.331+/-781.549 χ^2/NDF: 19.9/20

Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

\+ sign 3810.683+/-432.566 χ^2/NDF: 41.3/41

All: -167.285+/-304.044 χ^2/NDF: 260.7/85

\- sign -4051.664+/-427.447 χ^2/NDF: 52.3/43



Right In: 2300.090+/-0.586 χ^2/NDF: 516904.2/17

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

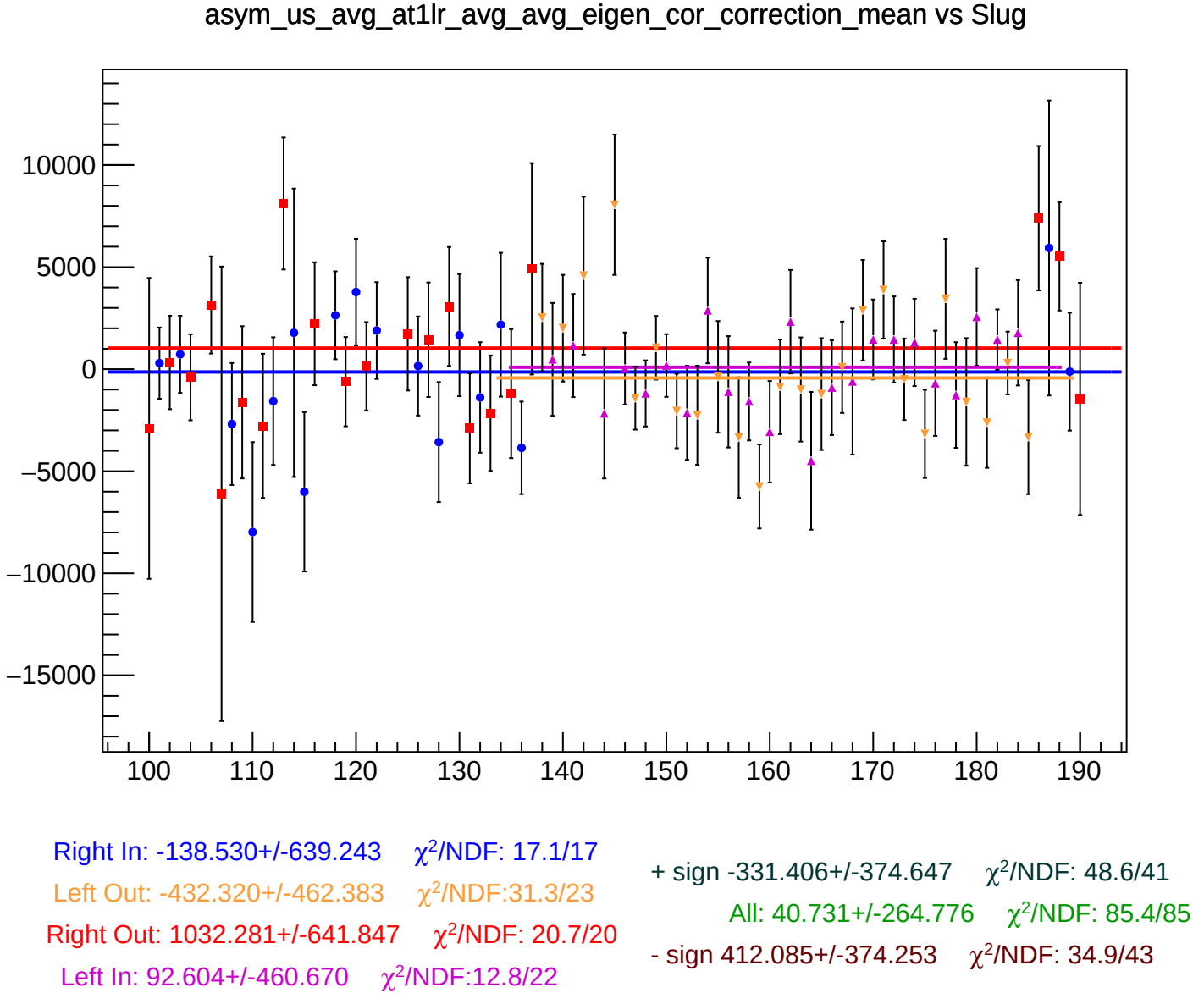
Right Out: 2325.626+/-0.553 χ^2/NDF: 155579.6/20

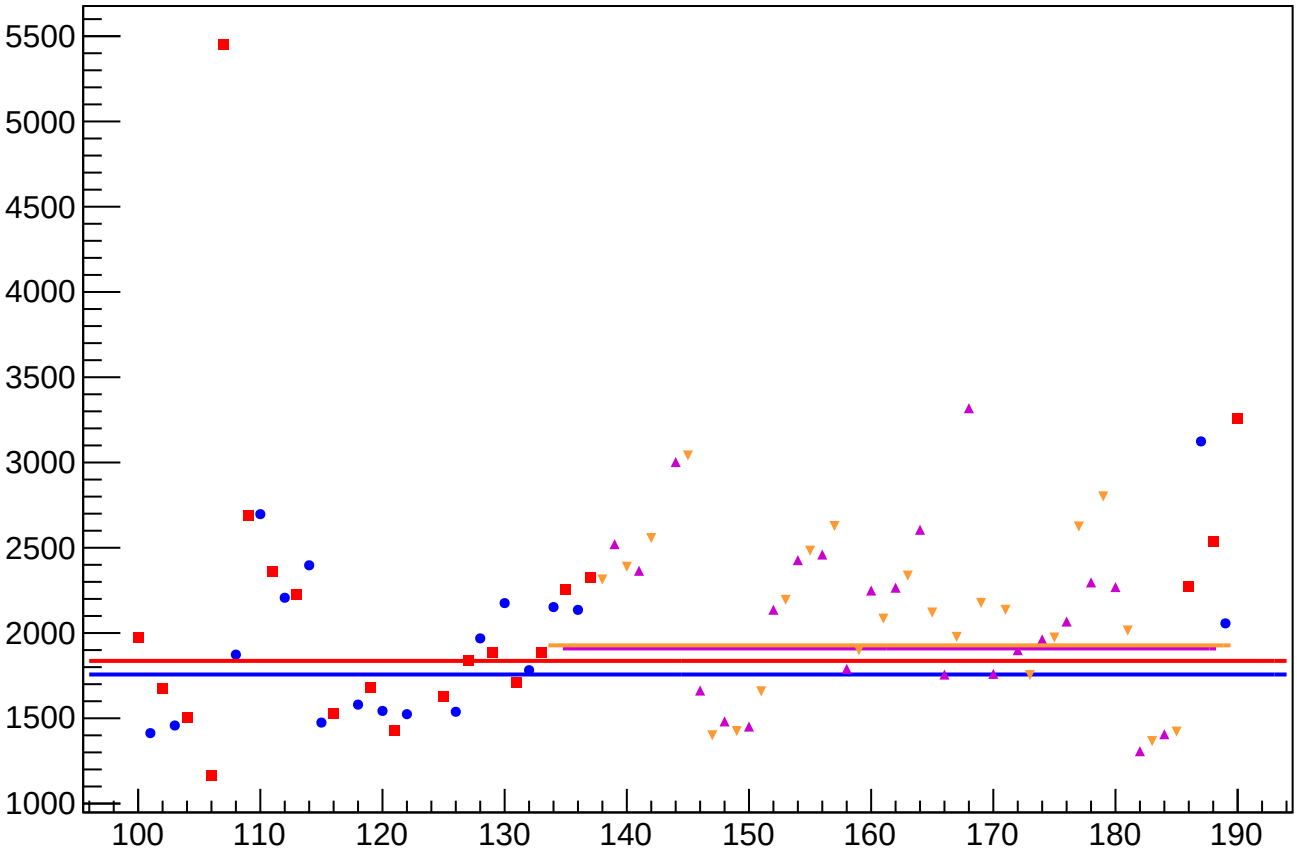
Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2216.460+/-0.306 χ^2/NDF: 545722.7/41

All: 2222.445+/-0.215 χ^2/NDF: 748385.8/85

- sign 2228.288+/-0.302 χ^2/NDF: 201906.5/43


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: 1032.281+/-641.847 χ²/NDF: 20.7/20
Left In: 92.604+/-460.670 χ²/NDF:12.8/22
+ sign -331.406+/-374.647 χ²/NDF: 48.6/41
All: 40.731+/-264.776 χ²/NDF: 85.4/85
- sign 412.085+/-374.253 χ²/NDF: 34.9/43



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: 1836.587+/-0.454 χ^2/NDF: 1075120.7/20

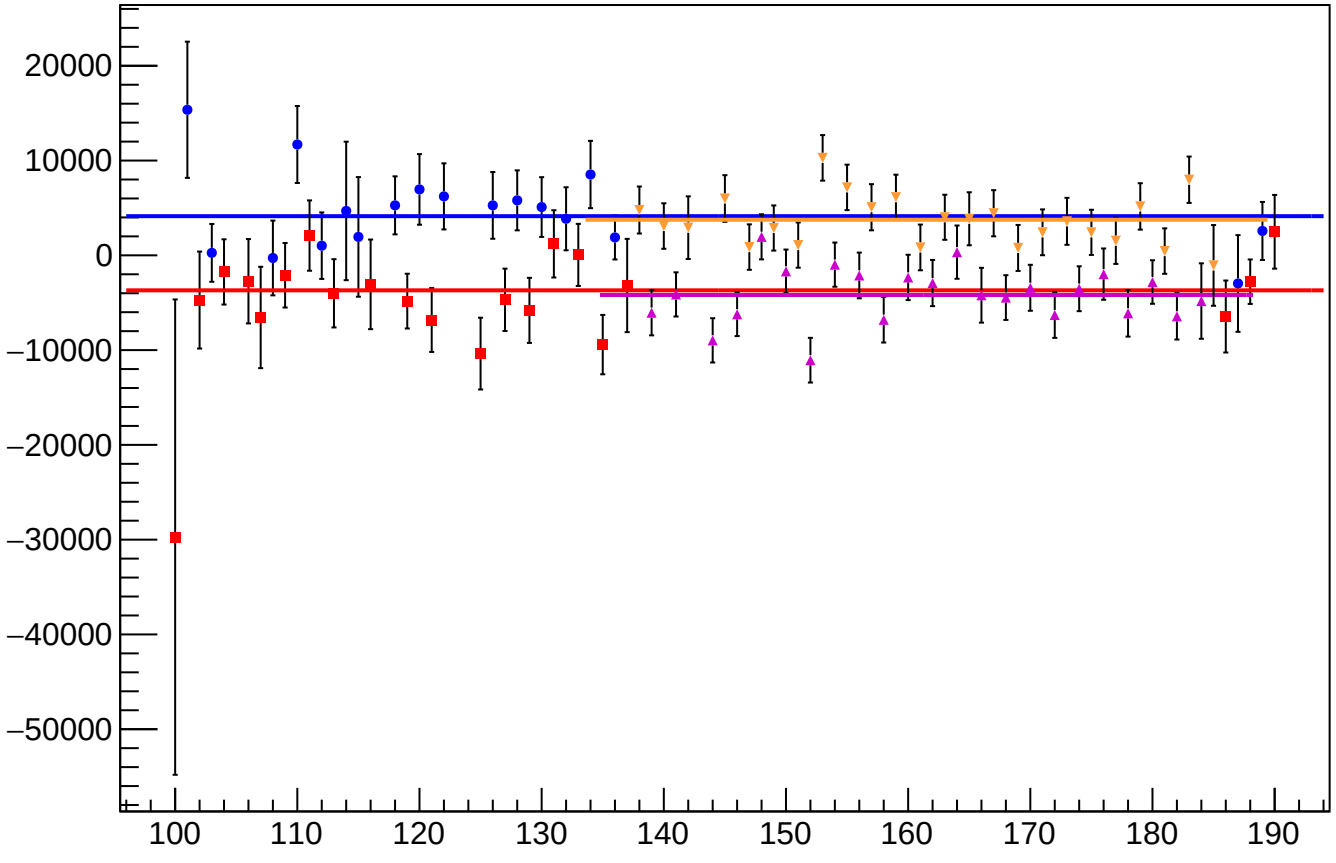
Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

+ sign 1868.970+/-0.265 χ^2/NDF: 2468520.4/41

All: 1876.887+/-0.187 χ^2/NDF: 5504801.8/85

- sign 1884.788+/-0.265 χ^2/NDF: 3034496.9/43

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: -3692.812+/-796.008 χ^2/NDF: 18.8/20

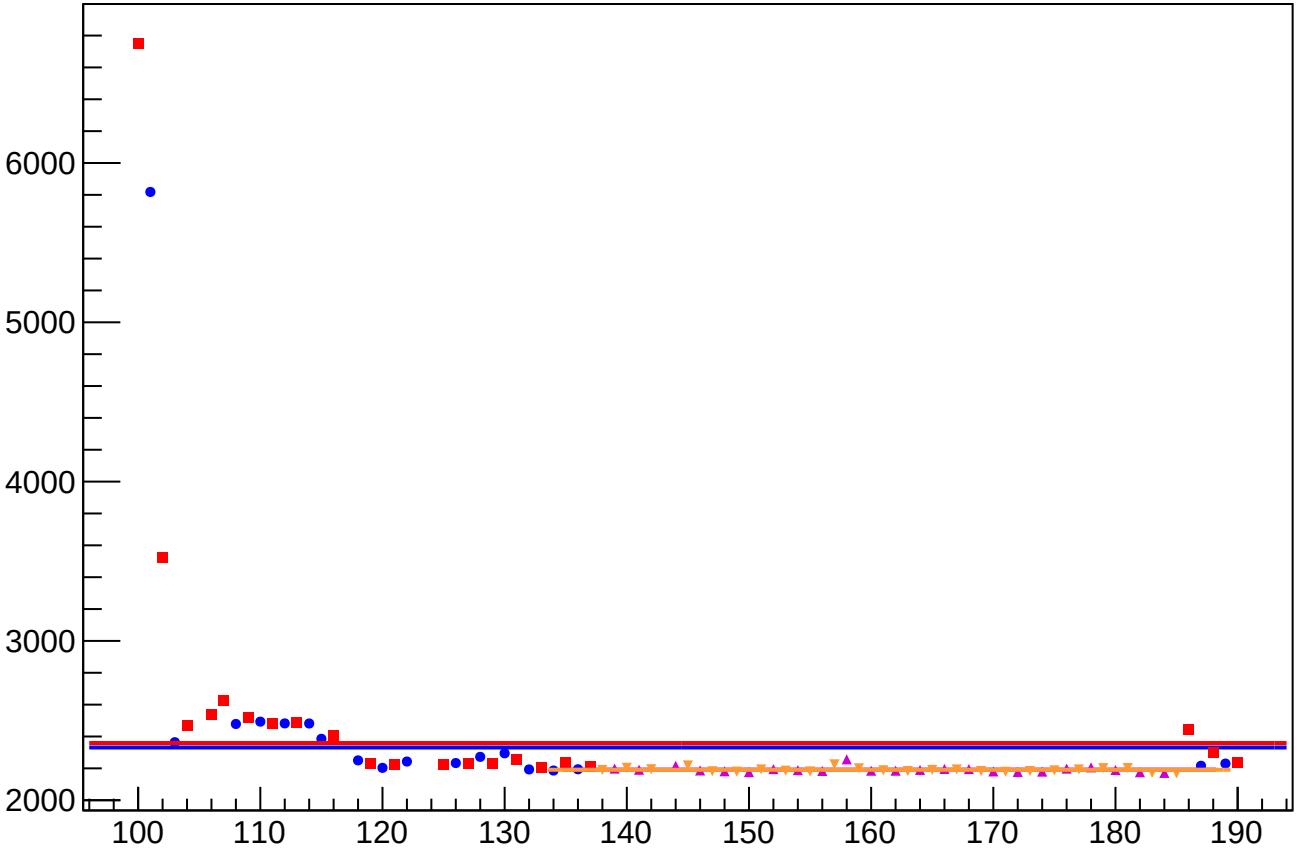
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

+ sign 3855.405+/-434.984 χ^2/NDF: 41.7/41

All: -133.127+/-305.994 χ^2/NDF: 259.9/85

- sign -4040.461+/-430.533 χ^2/NDF: 51.7/43

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

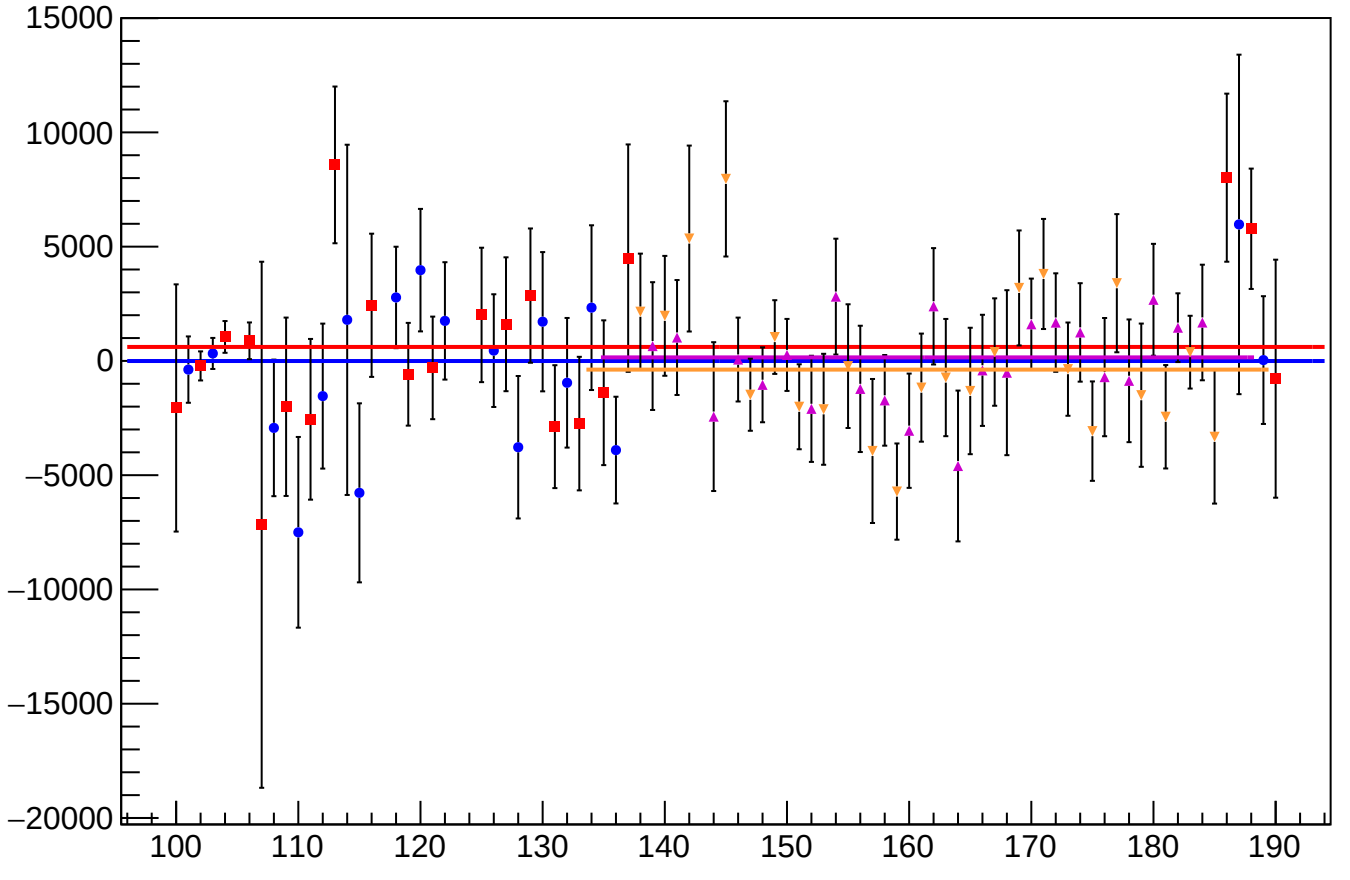
Right Out: 2359.150+/-0.563 χ^2/NDF: 214656.7/20

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2228.685+/-0.308 χ^2/NDF: 548241.5/41

All: 2234.926+/-0.216 χ^2/NDF: 828234.8/85

- sign 2241.040+/-0.304 χ^2/NDF: 279178.4/43



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: 611.535+/-356.641 χ^2/NDF: 23.3/20

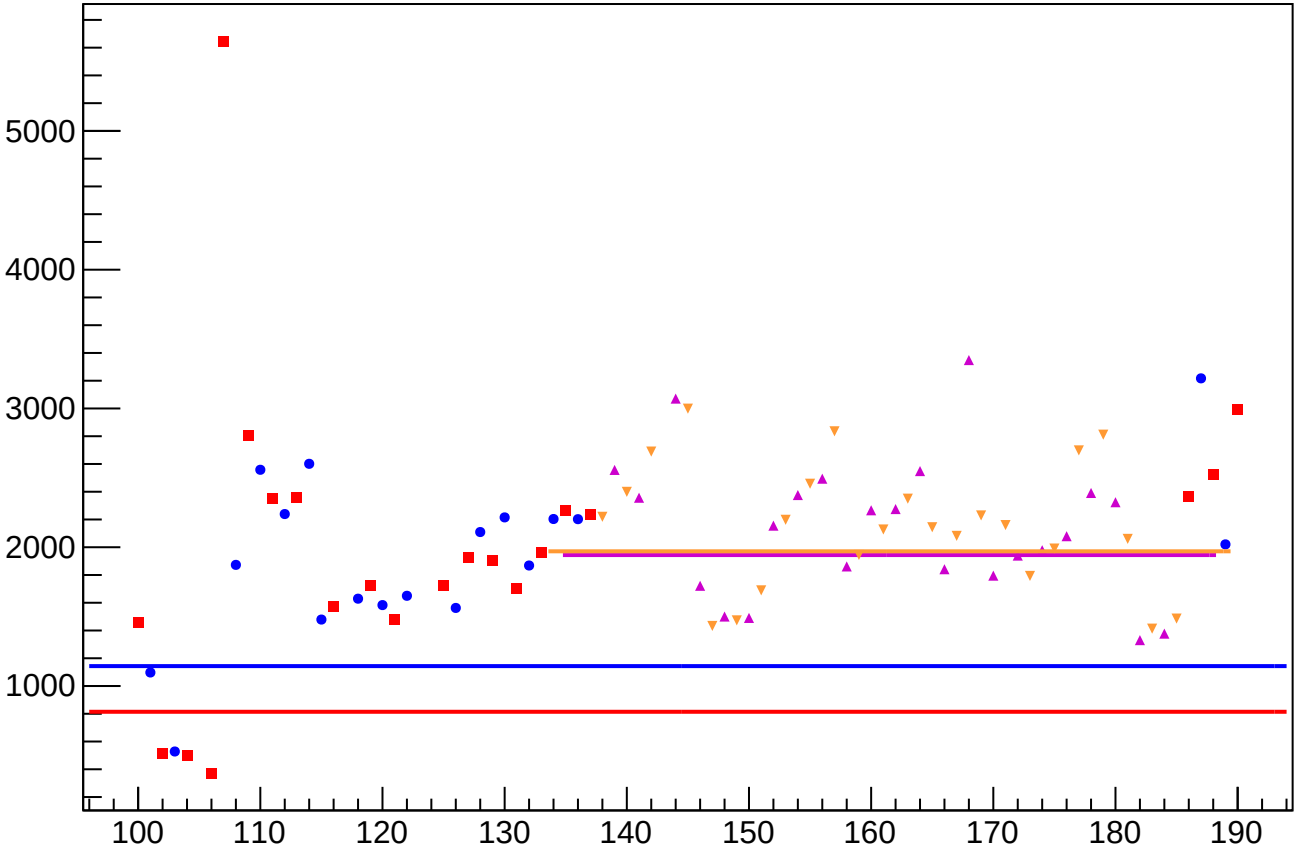
Left In: 154.512+/-467.999 χ^2/NDF:12.8/22

\+ sign -194.821+/-335.386 χ^2/NDF: 48.0/41

All: 177.381+/-216.584 χ^2/NDF: 86.8/85

\- sign 443.634+/-283.663 χ^2/NDF: 36.7/43

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs Slug



Right In: 1143.436+/-0.337 χ^2/NDF: 4109890.6/17

Left Out: 1970.655+/-0.333 χ^2/NDF:1696659.6/23

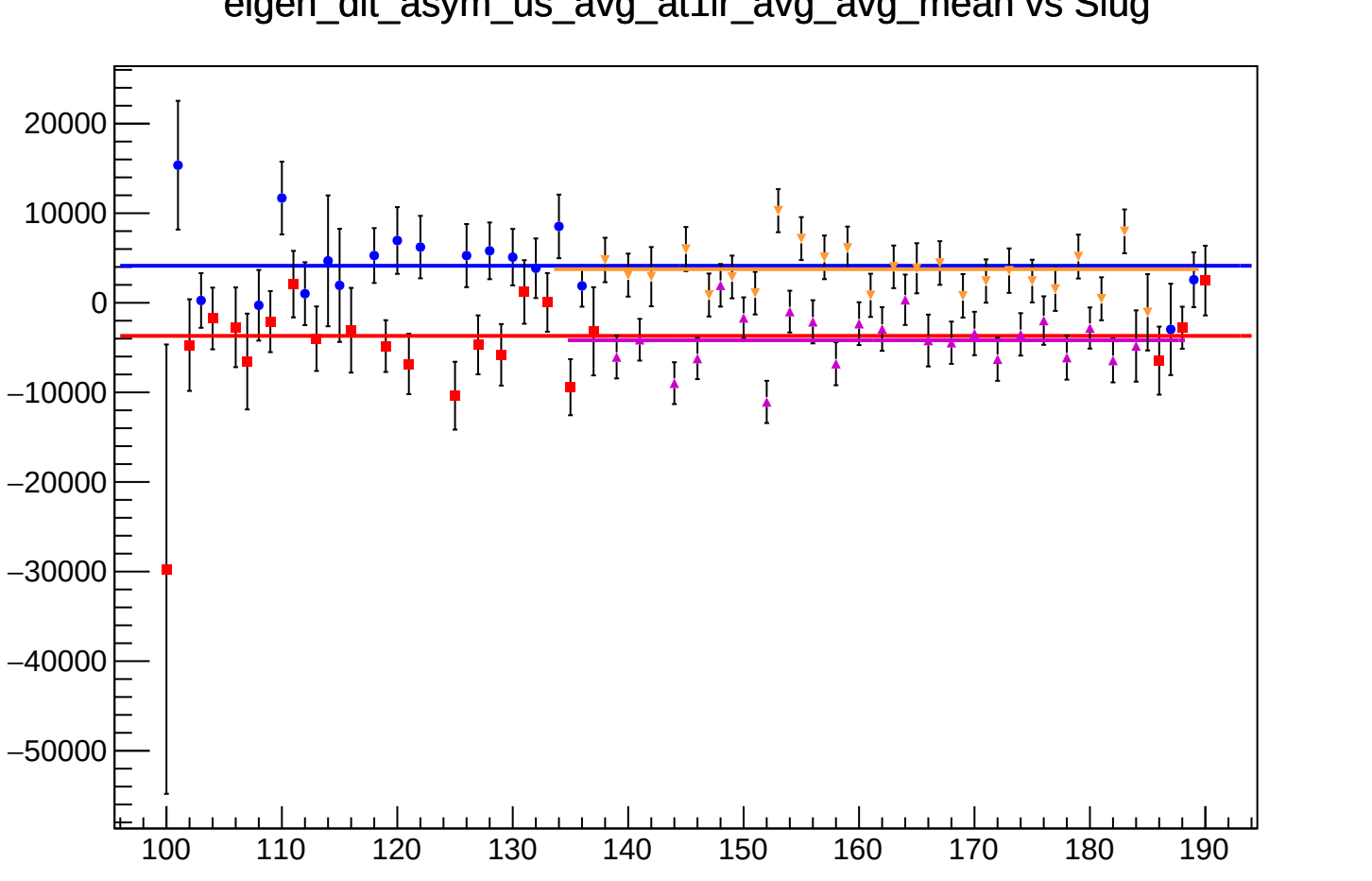
Right Out: 814.363+/-0.252 χ^2/NDF: 7197576.0/20

Left In: 1943.628+/-0.331 χ^2/NDF:1882933.7/22

+ sign 1562.021+/-0.237 χ^2/NDF: 8847835.6/41

All: 1368.014+/-0.153 χ^2/NDF: 26443028.5/8

- sign 1229.232+/-0.201 χ^2/NDF: 16447234.6/43



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: -3692.807+/-796.008 χ^2/NDF: 18.8/20

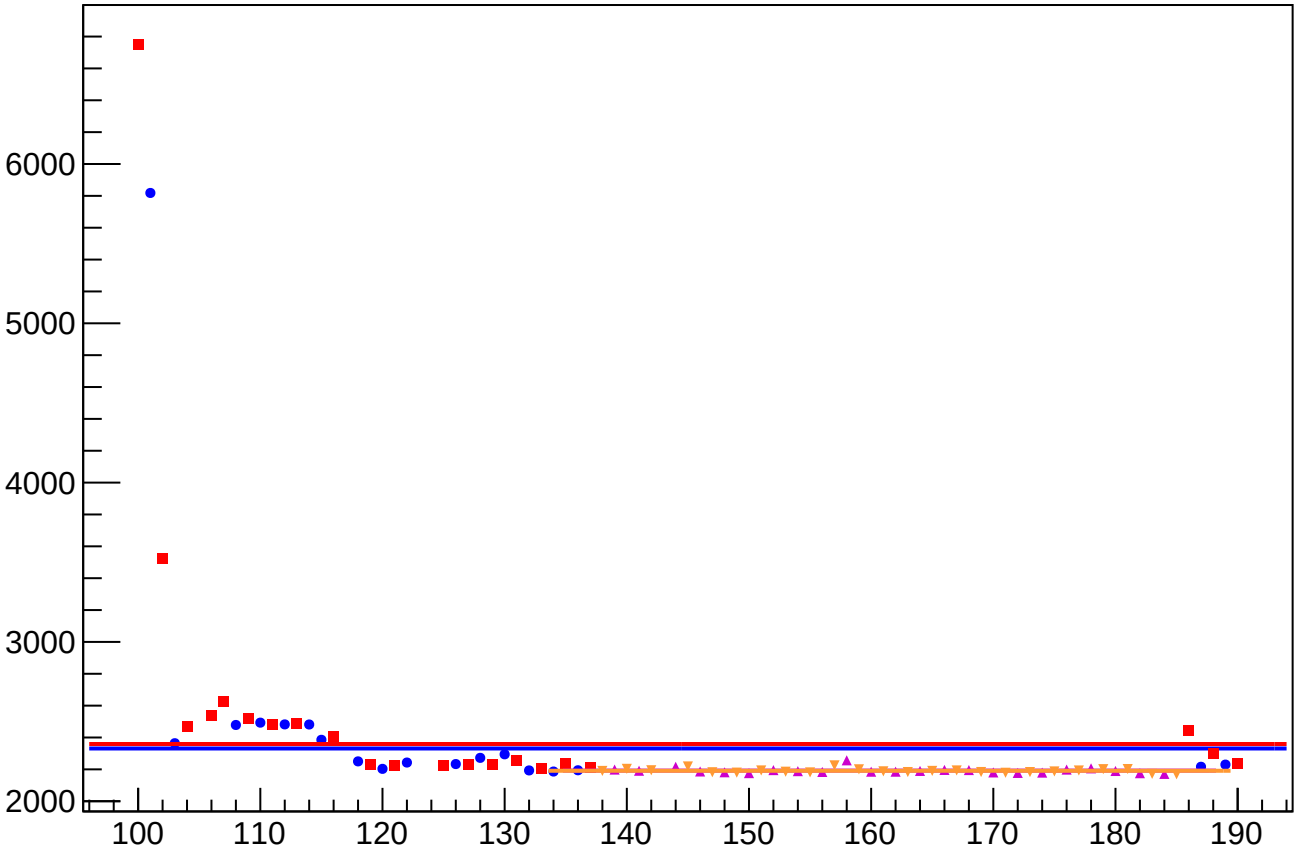
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

+ sign 3855.403+/-434.984 χ^2/NDF: 41.7/41

All: -133.128+/-305.994 χ^2/NDF: 259.9/85

- sign -4040.460+/-430.533 χ^2/NDF: 51.7/43

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

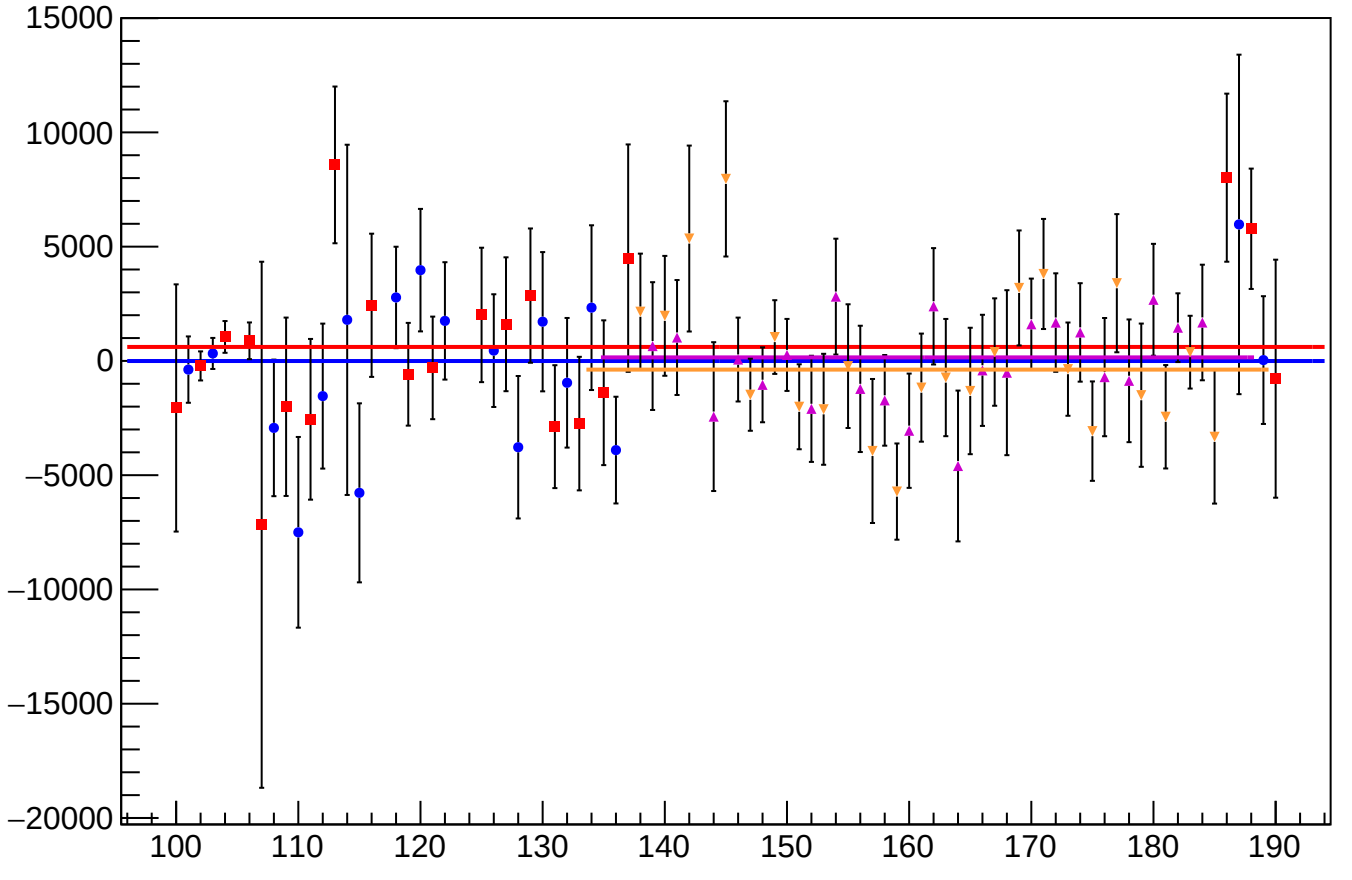
Right Out: 2359.149+/-0.563 χ^2/NDF: 214655.7/20

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2228.685+/-0.308 χ^2/NDF: 548241.2/41

All: 2234.926+/-0.216 χ^2/NDF: 828233.2/85

- sign 2241.039+/-0.304 χ^2/NDF: 279177.0/43



Right In: -4.640+/-477.189 χ^2/NDF: 17.0/17

Left Out: -380.492+/-471.482 χ^2/NDF:30.8/23

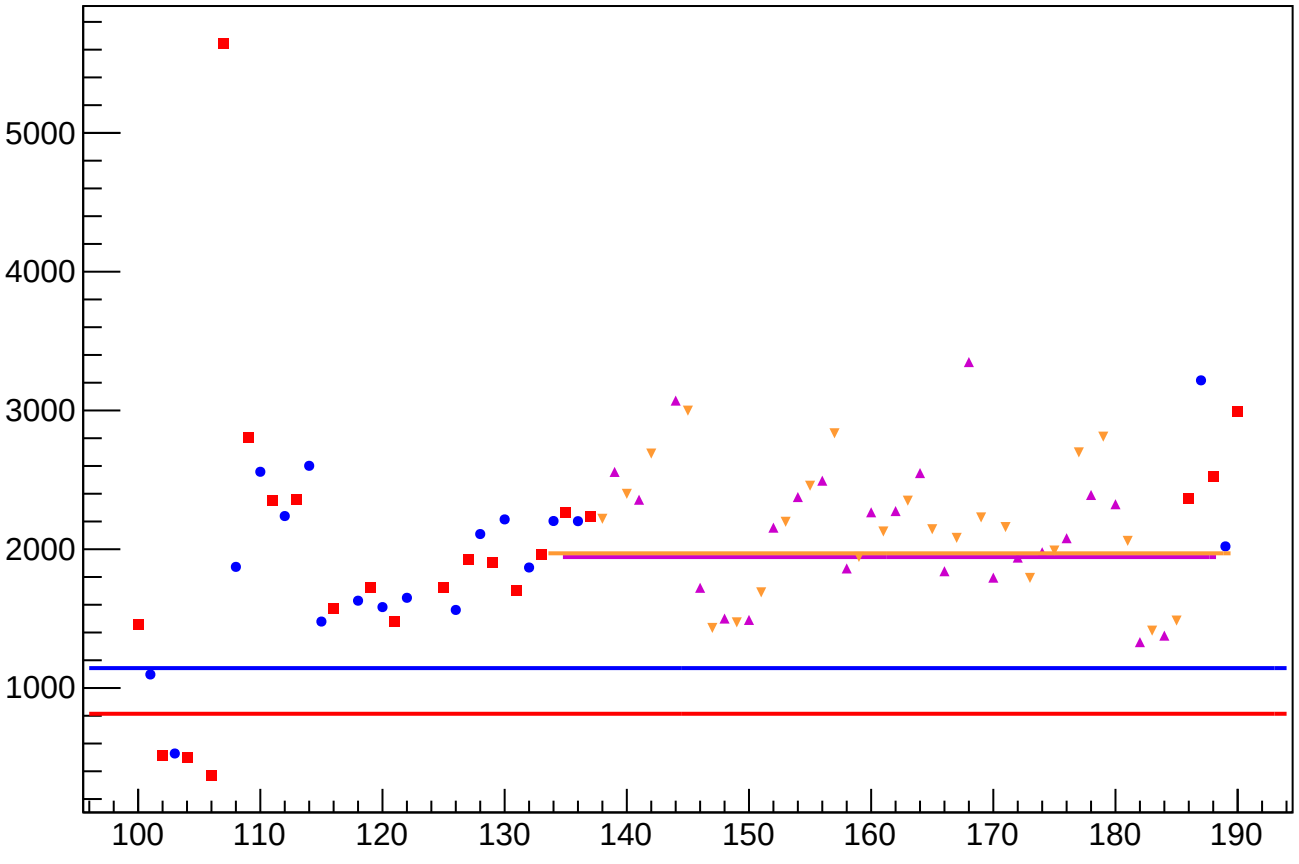
Right Out: 611.542+/-356.646 χ^2/NDF: 23.3/20

Left In: 154.512+/-468.000 χ^2/NDF:12.8/22

\+ sign -194.827+/-335.388 χ^2/NDF: 48.0/41

All: 177.379+/-216.586 χ^2/NDF: 86.8/85

\- sign 443.636+/-283.666 χ^2/NDF: 36.7/43



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: 814.379+/-0.252 χ^2/NDF: 7197431.9/20

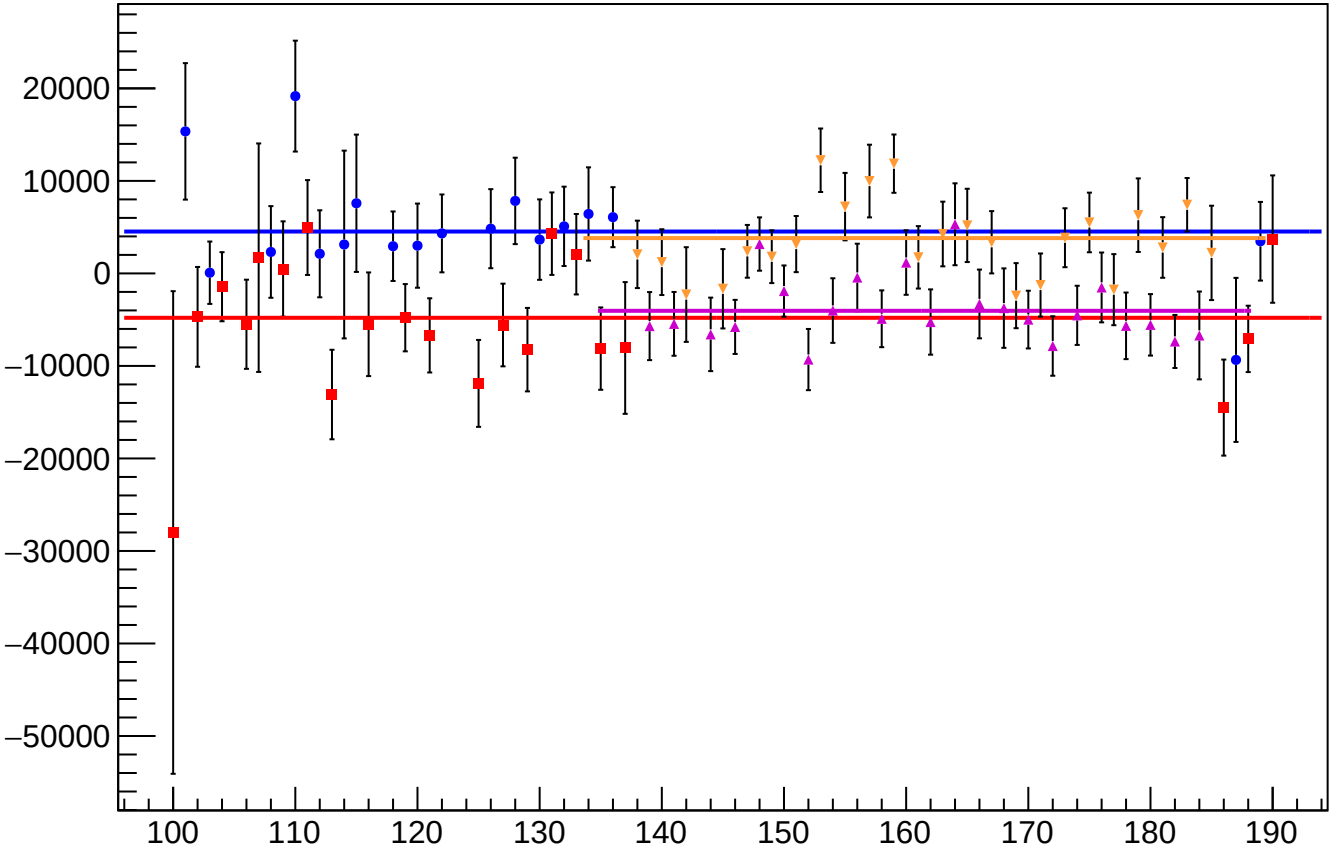
Left In: 1943.631+/-0.331 χ^2/NDF:1882931.8/22

+ sign 1562.029+/-0.237 χ^2/NDF: 8847687.2/41

All: 1368.028+/-0.153 χ^2/NDF: 26442410.2/8

- sign 1229.249+/-0.201 χ^2/NDF: 16446840.2/43

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: -4797.494+/-1054.514 χ^2/NDF: 25.5/20

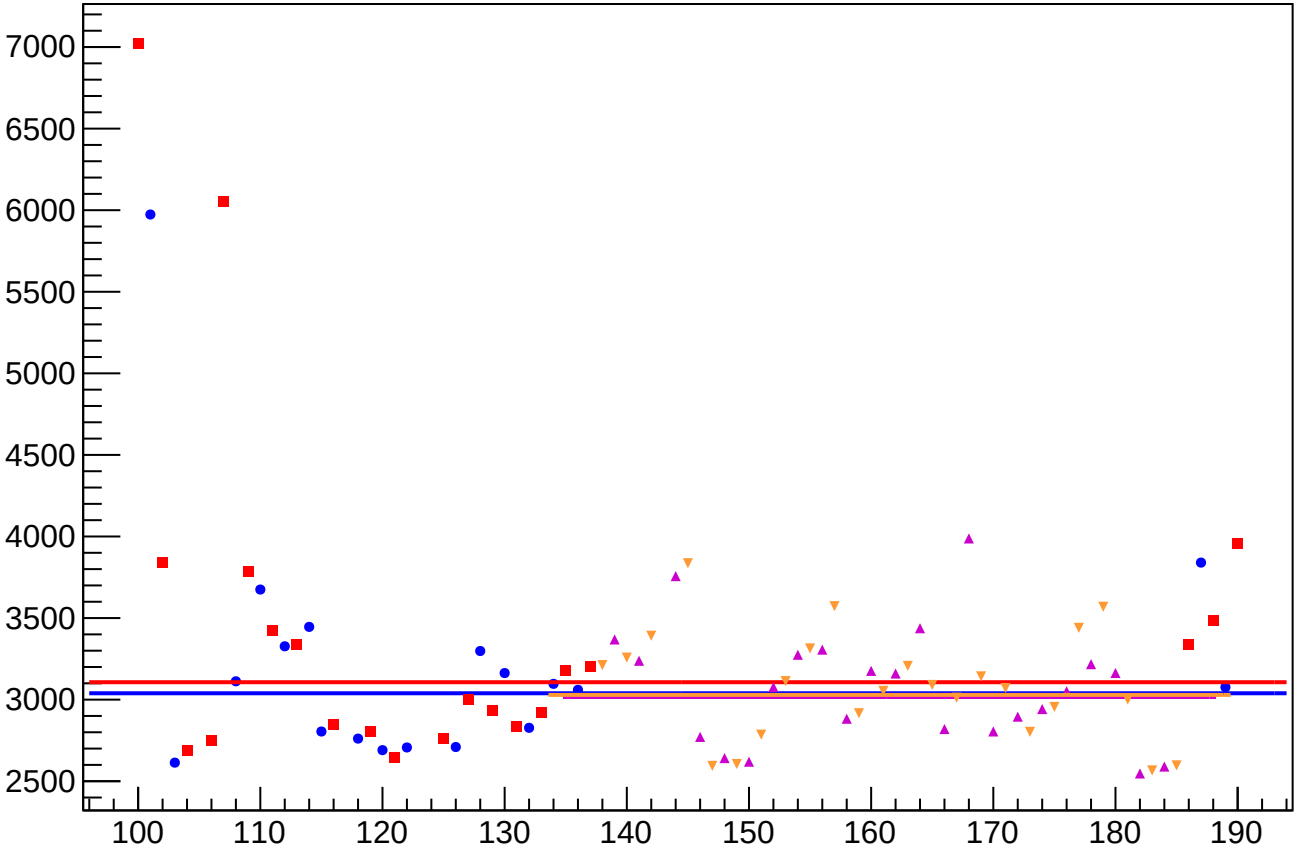
Left In: -4042.422+/-709.573 χ^2/NDF:22.5/22

+ sign 4027.161+/-594.723 χ^2/NDF: 45.4/41

All: -167.538+/-418.388 χ^2/NDF: 192.3/85

- sign -4277.752+/-588.703 χ^2/NDF: 48.3/43

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

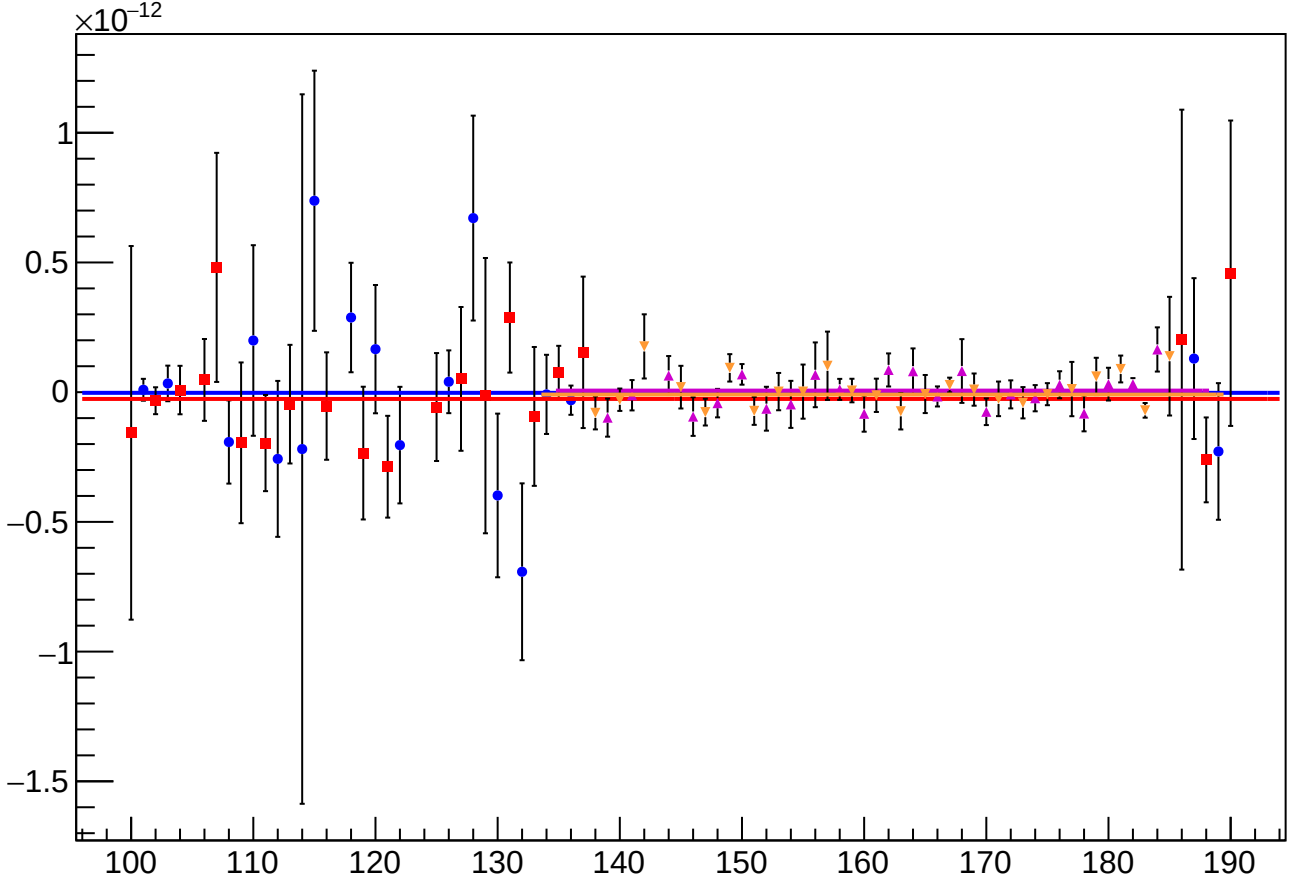
Right Out: 3106.816+/-0.746 χ^2/NDF: 407068.0/20

Left In: 3016.252+/-0.502 χ^2/NDF:439897.8/22

\+ sign 3031.957+/-0.421 χ^2/NDF: 857806.2/41

All: 3038.281+/-0.296 χ^2/NDF: 1715374.0/85

\- sign 3044.478+/-0.416 χ^2/NDF: 857120.0/43



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

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

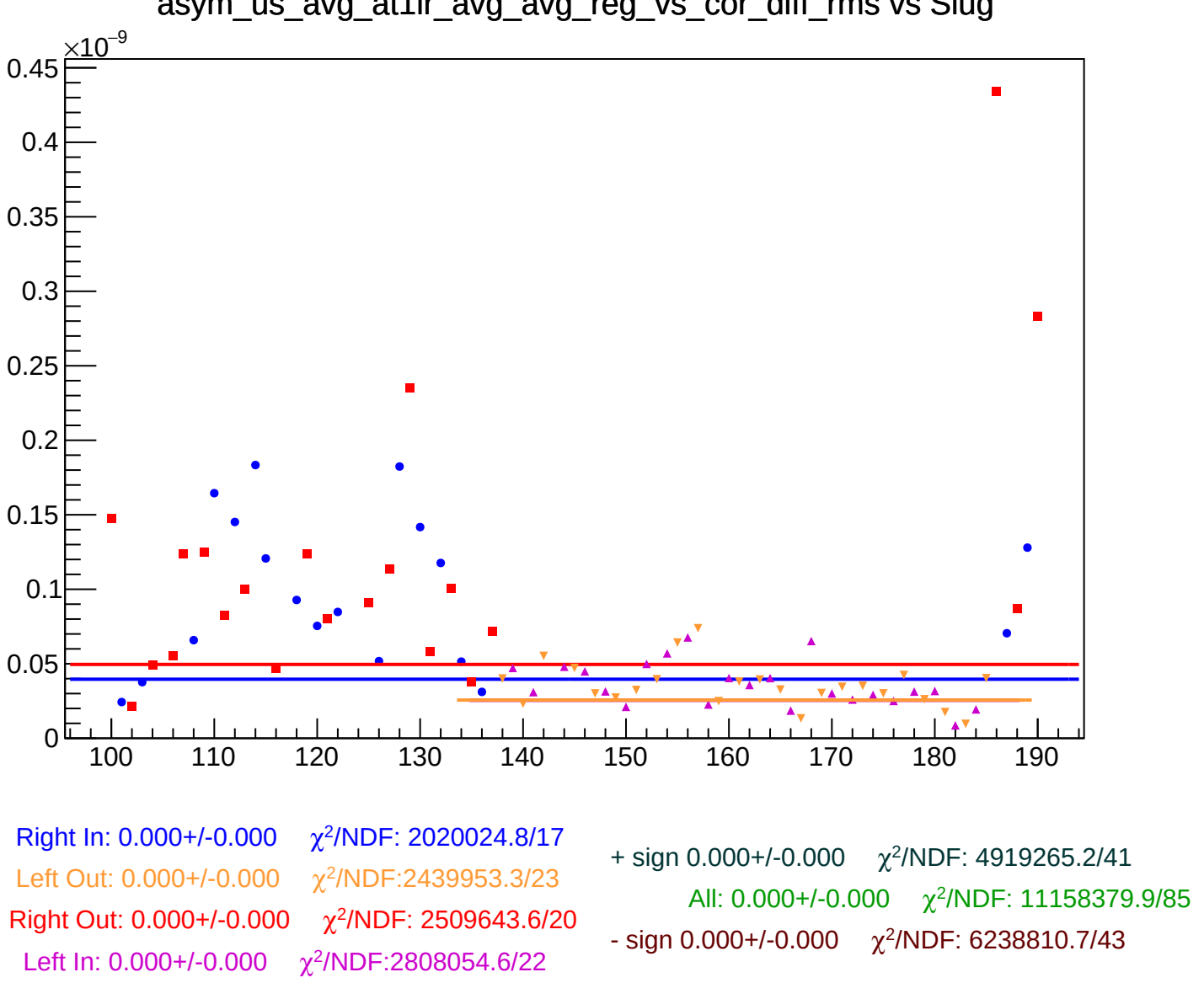
Right Out: -0.000+/-0.000 χ^2/NDF: 11.8/20

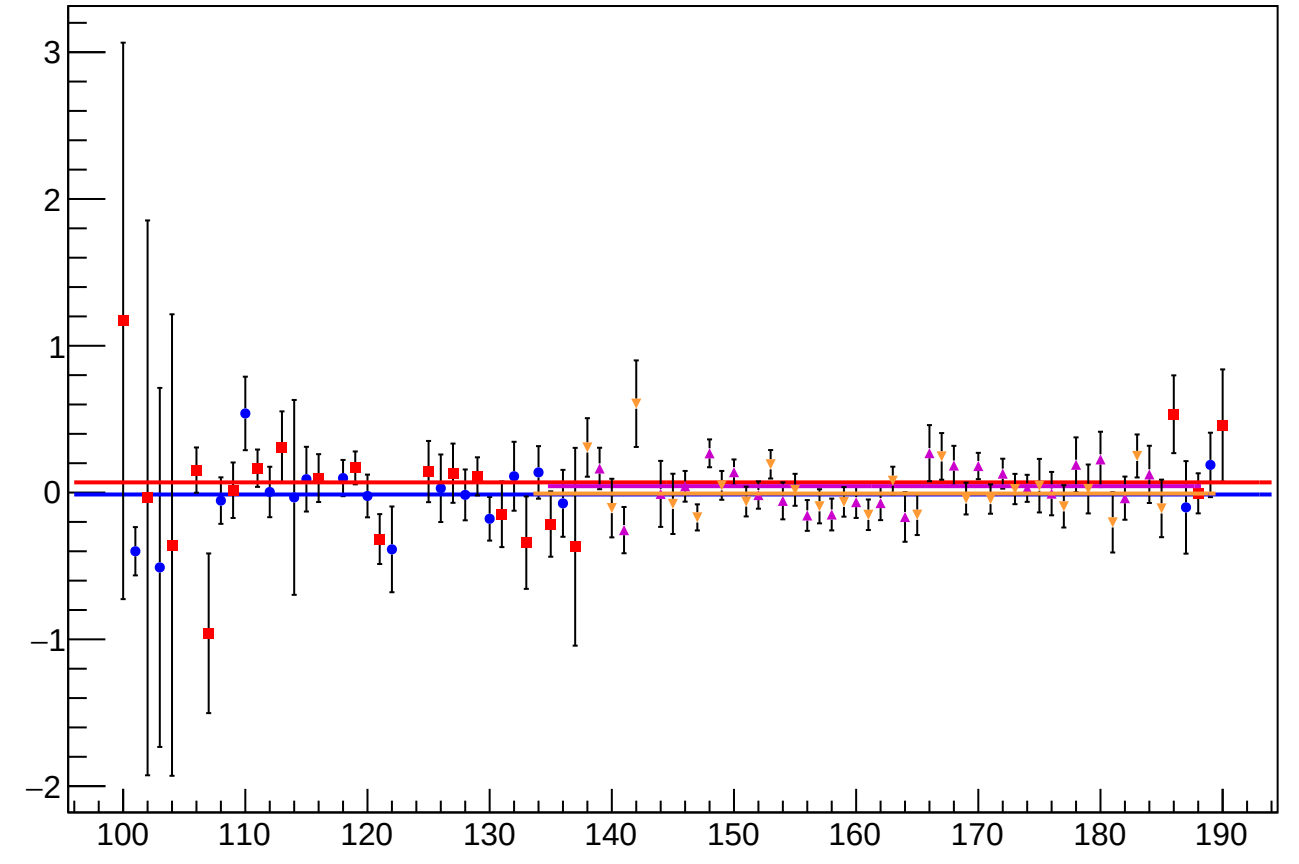
Left In: 0.000+/-0.000 χ^2/NDF:23.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 42.3/41

All: -0.000+/-0.000 χ^2/NDF: 78.7/85

- sign 0.000+/-0.000 χ^2/NDF: 35.9/43


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: 2509643.6/20
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: 11158379.9/85
- sign 0.000+/-0.000 χ²/NDF: 6238810.7/43



Right In: -0.013+/-0.046 χ^2/NDF: 16.6/17

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

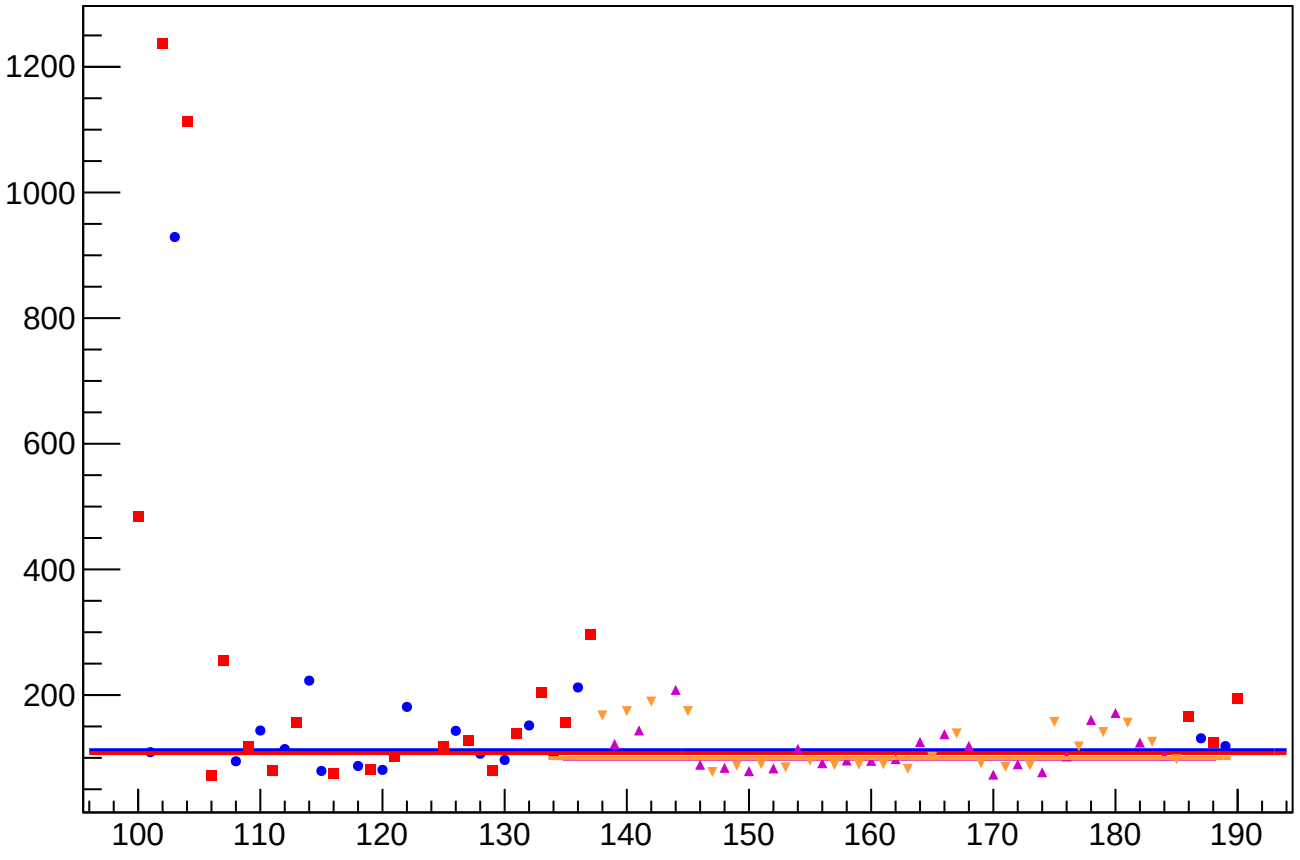
Right Out: 0.069+/-0.043 χ^2/NDF: 21.3/20

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign -0.008+/-0.022 χ^2/NDF: 44.3/41

All: 0.022+/-0.015 χ^2/NDF: 99.6/85

- sign 0.050+/-0.022 χ^2/NDF: 51.8/43



Right In: 112.149+/-0.033 χ^2/NDF: 1848882.4/17

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

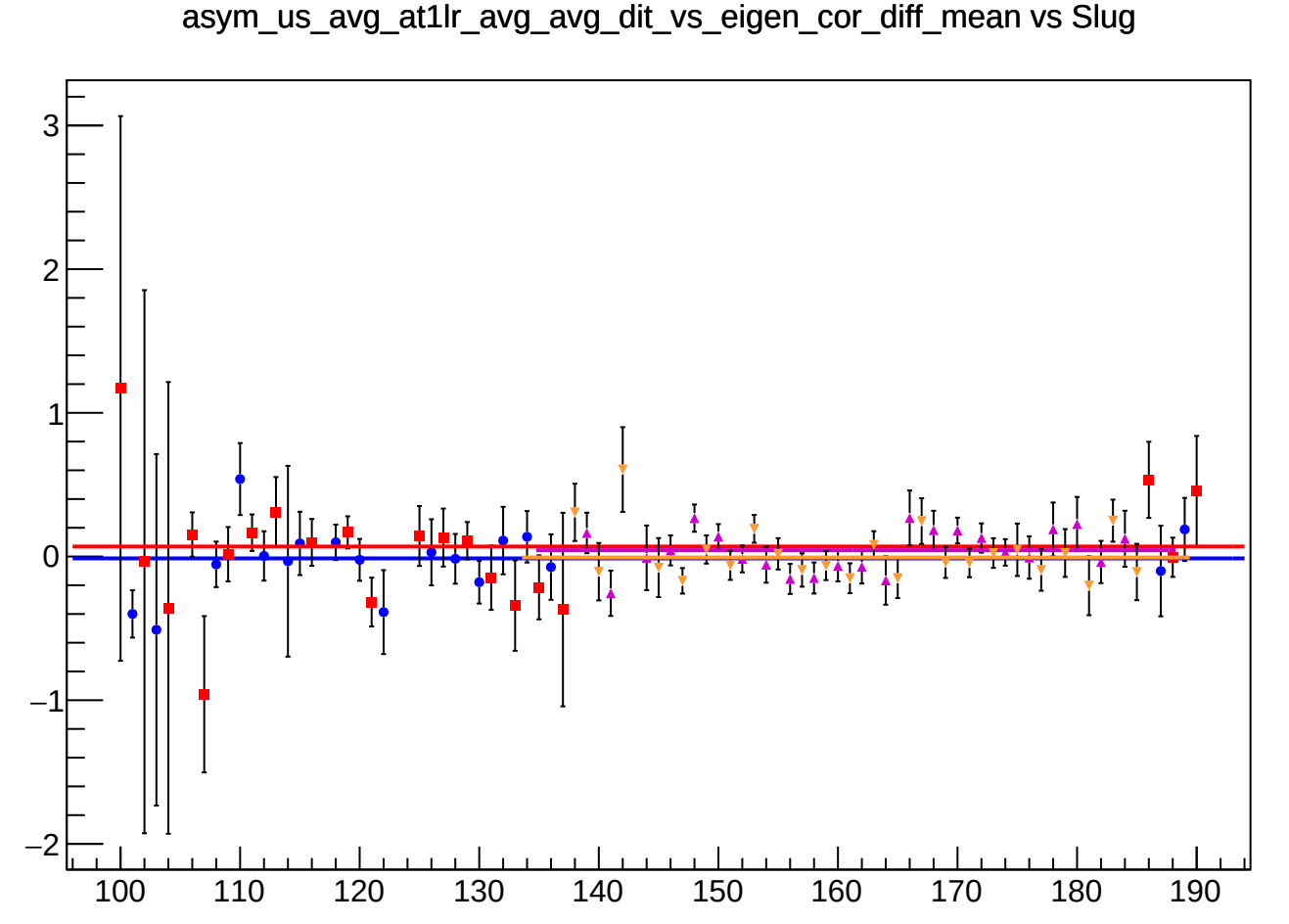
Right Out: 107.665+/-0.030 χ^2/NDF: 3079539.3/20

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

+ sign 102.506+/-0.016 χ^2/NDF: 4034115.4/41

All: 101.706+/-0.011 χ^2/NDF: 9187275.7/85

- sign 100.945+/-0.015 χ^2/NDF: 5148090.6/43



Right In: -0.013+/-0.046 χ^2/NDF: 16.6/17

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

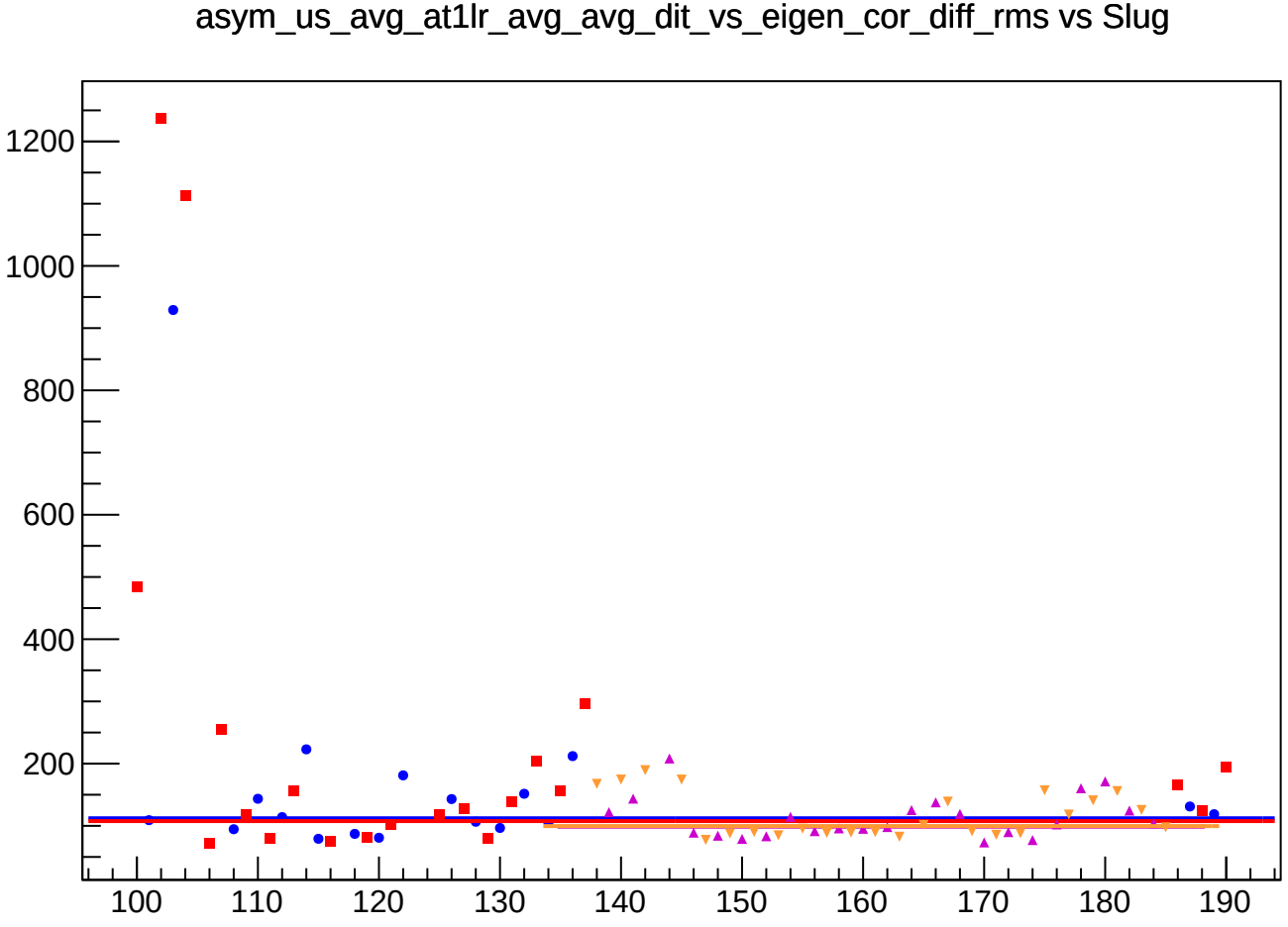
Right Out: 0.069+/-0.043 χ^2/NDF: 21.3/20

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign -0.008+/-0.022 χ^2/NDF: 44.3/41

All: 0.022+/-0.015 χ^2/NDF: 99.6/85

- sign 0.050+/-0.022 χ^2/NDF: 51.8/43



Right In: 112.149+/-0.033 χ^2/NDF: 1848882.4/17

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

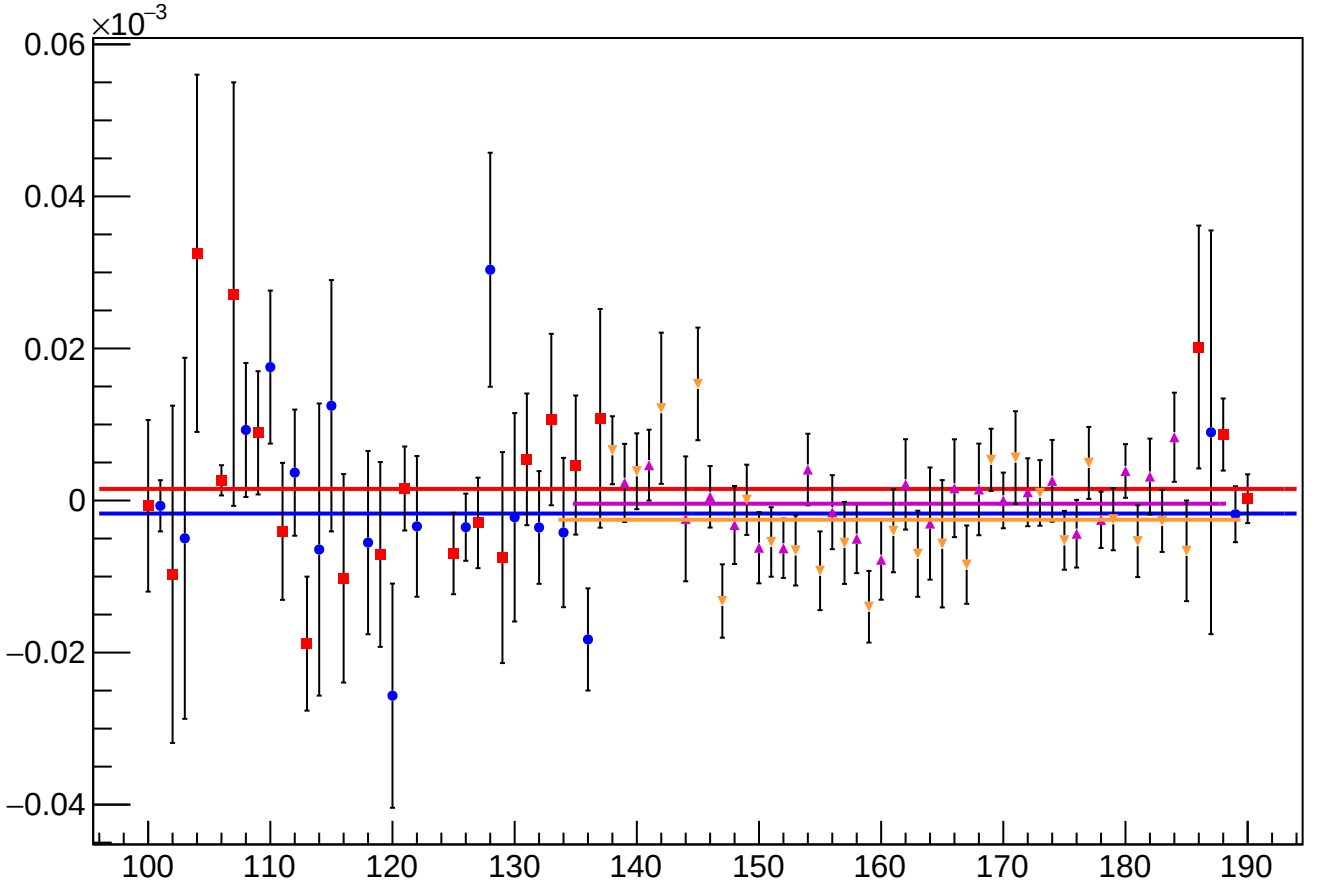
Right Out: 107.665+/-0.030 χ^2/NDF: 3079539.3/20

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

+ sign 102.506+/-0.016 χ^2/NDF: 4034115.4/41

All: 101.706+/-0.011 χ^2/NDF: 9187275.7/85

- sign 100.945+/-0.015 χ^2/NDF: 5148090.6/43



Right In: -0.000+/-0.000 χ^2/NDF: 20.2/17

Left Out: -0.000+/-0.000 χ^2/NDF:40.2/23

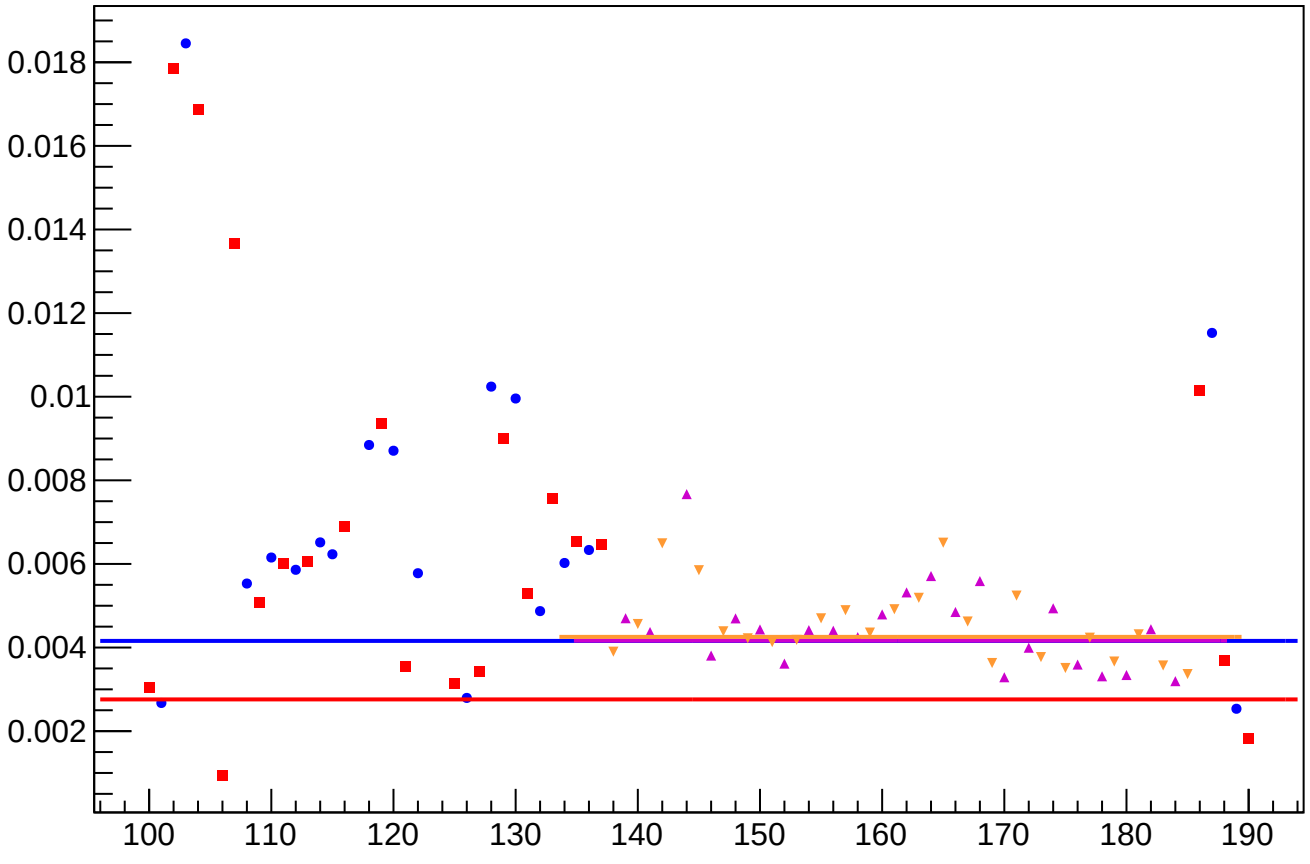
Right Out: 0.000+/-0.000 χ^2/NDF: 19.7/20

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: 102.5/85

- sign 0.000+/-0.000 χ^2/NDF: 37.0/43



Right In: 0.004+/-0.000 χ^2/NDF: 3645186.9/17

Left Out: 0.004+/-0.000 χ^2/NDF:833222.5/23

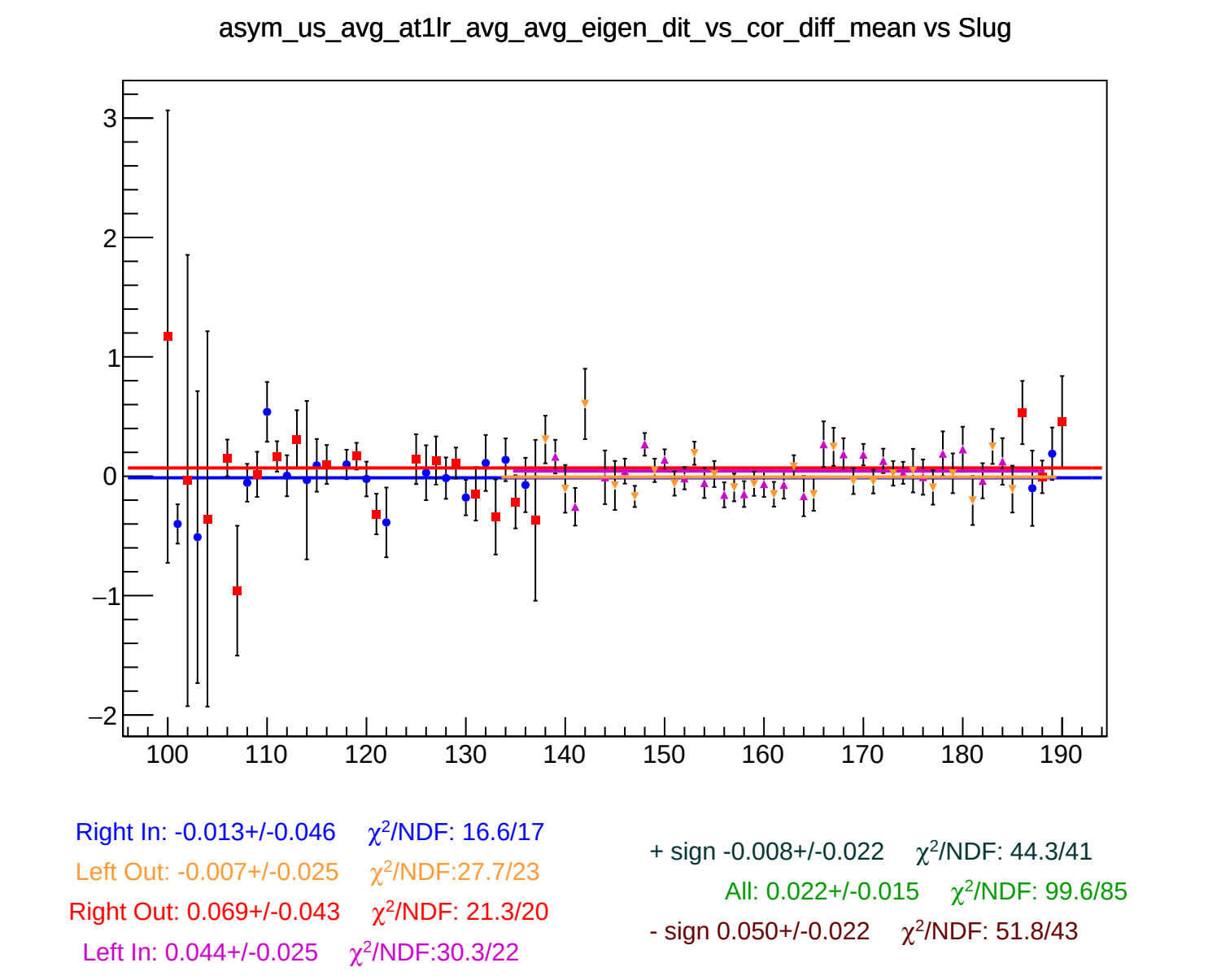
Right Out: 0.003+/-0.000 χ^2/NDF: 7282538.4/20

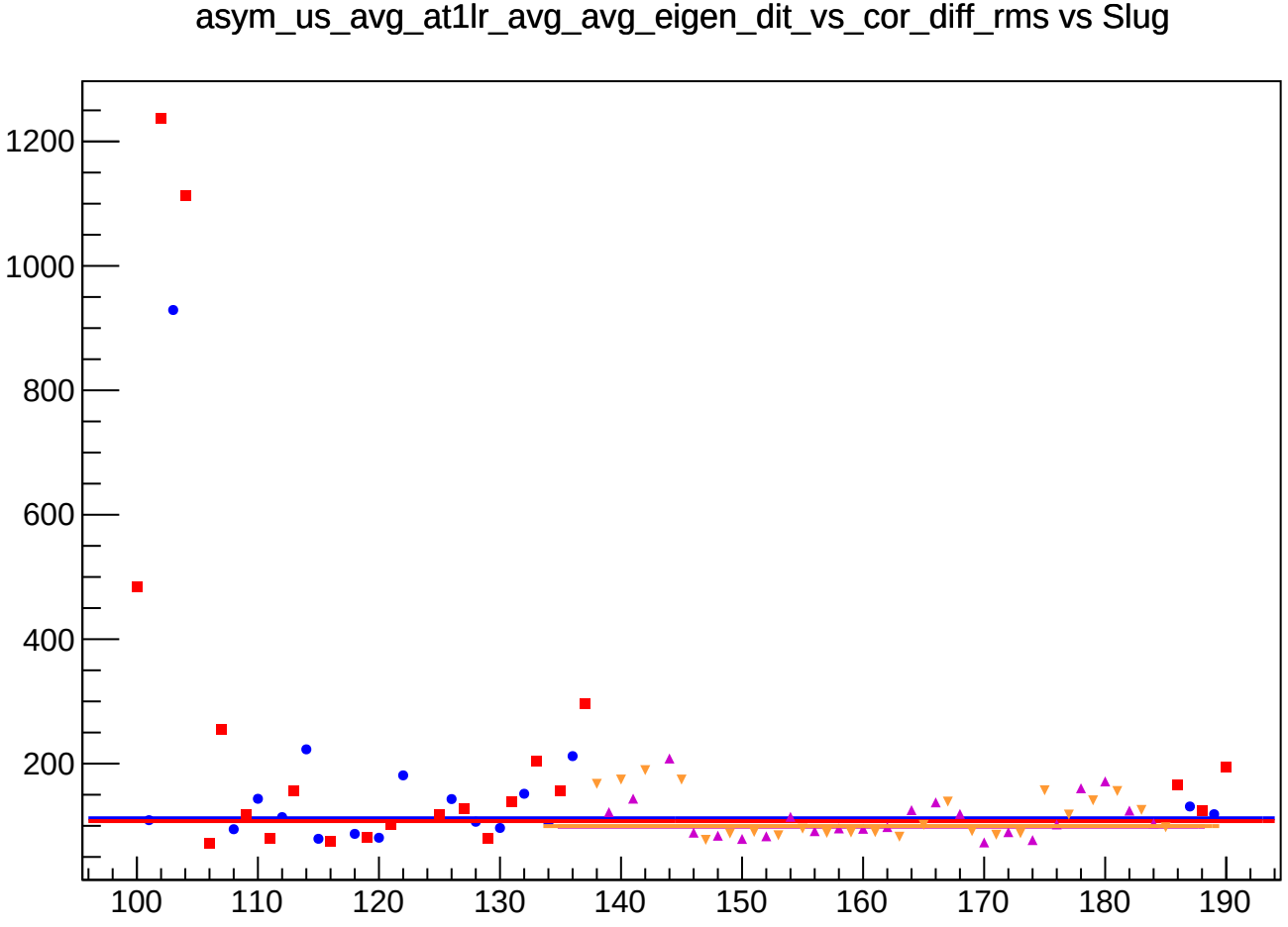
Left In: 0.004+/-0.000 χ^2/NDF:1277434.2/22

+ sign 0.004+/-0.000 χ^2/NDF: 4483137.0/41

All: 0.004+/-0.000 χ^2/NDF: 15043928.5/85

- sign 0.004+/-0.000 χ^2/NDF: 10055229.4/43


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
190
Right In: -0.013+/-0.046 χ²/NDF: 16.6/17
Left Out: -0.007+/-0.025 χ²/NDF:27.7/23
Right Out: 0.069+/-0.043 χ²/NDF: 21.3/20
Left In: 0.044+/-0.025 χ²/NDF:30.3/22
+ sign -0.008+/-0.022 χ²/NDF: 44.3/41
All: 0.022+/-0.015 χ²/NDF: 99.6/85
- sign 0.050+/-0.022 χ²/NDF: 51.8/43



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: 107.663+/-0.030 χ^2/NDF: 3079564.6/20

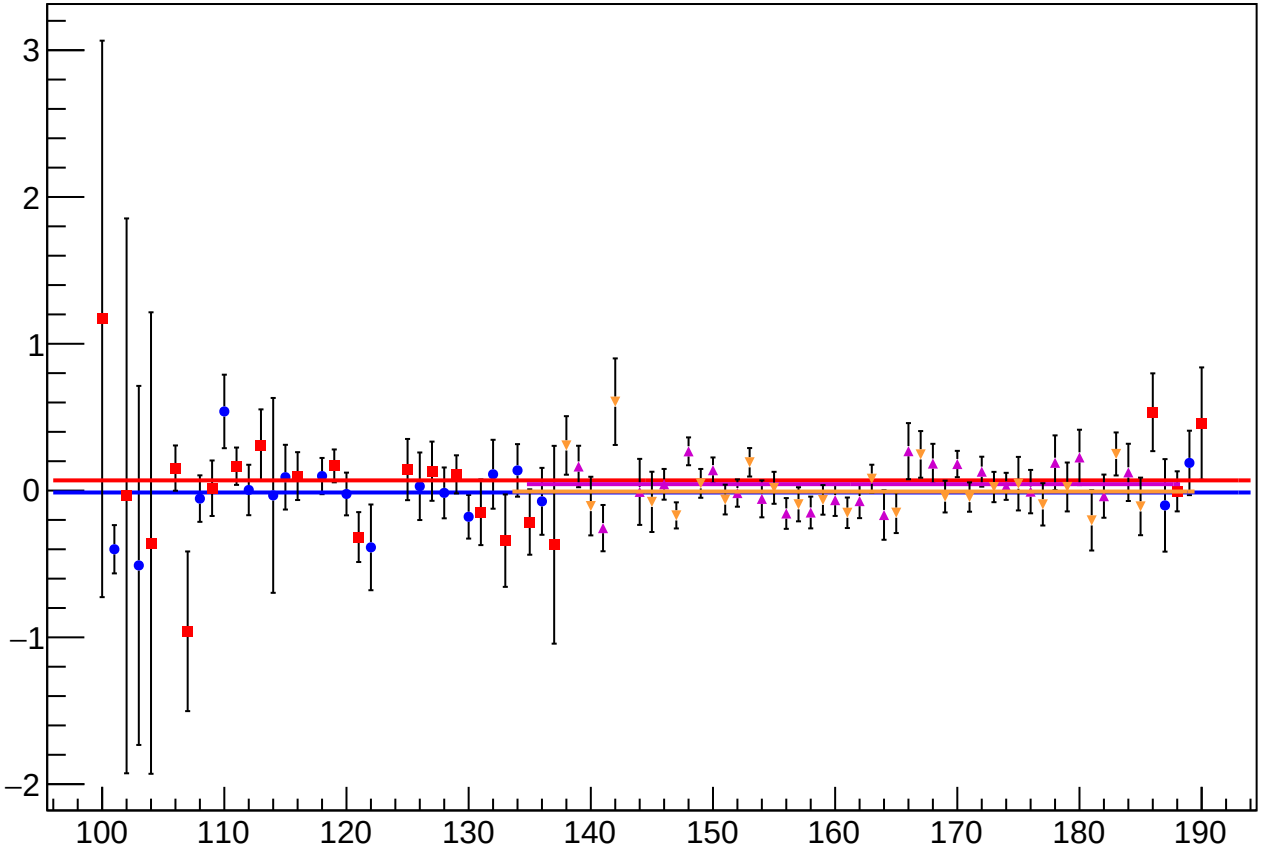
Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

+ sign 102.506+/-0.016 χ^2/NDF: 4034083.4/41

All: 101.706+/-0.011 χ^2/NDF: 9187212.6/85

- sign 100.945+/-0.015 χ^2/NDF: 5148059.0/43

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.013+/-0.046 χ^2/NDF: 16.6/17

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

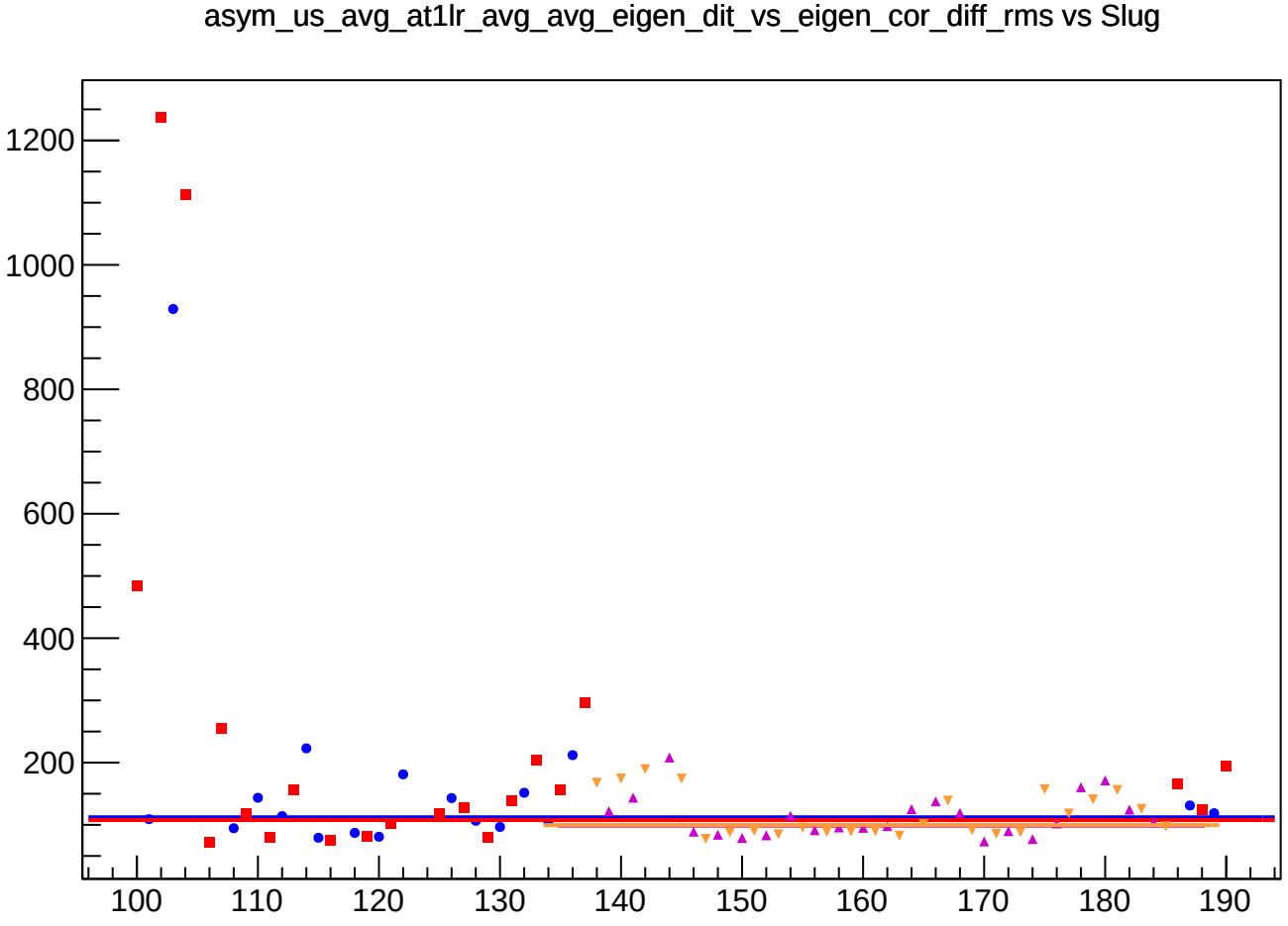
Right Out: 0.069+/-0.043 χ^2/NDF: 21.3/20

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign -0.008+/-0.022 χ^2/NDF: 44.3/41

All: 0.022+/-0.015 χ^2/NDF: 99.6/85

- sign 0.050+/-0.022 χ^2/NDF: 51.8/43



Right In: 112.147+/-0.033 χ^2/NDF: 1848938.4/17

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

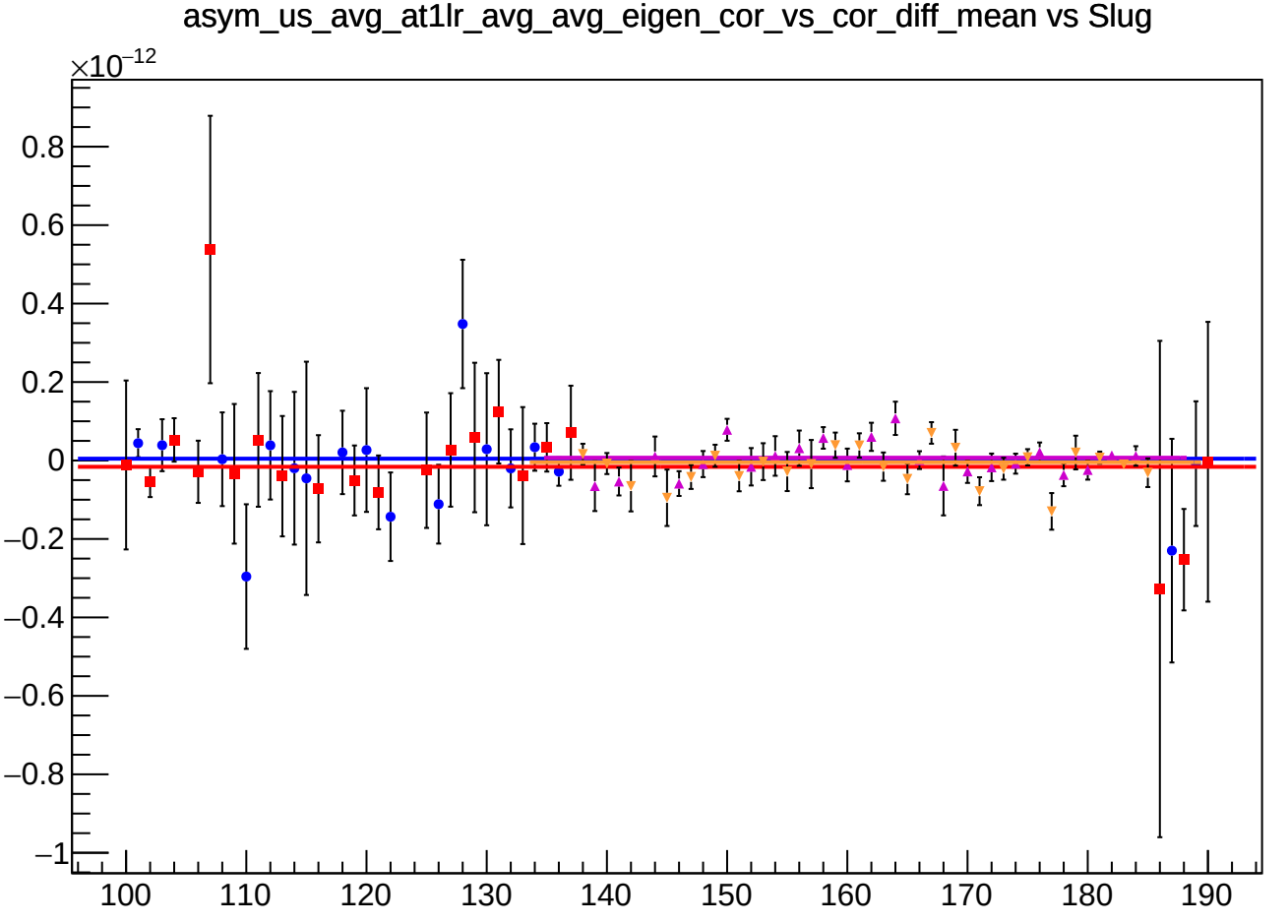
Right Out: 107.663+/-0.030 χ^2/NDF: 3079564.6/20

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

+ sign 102.506+/-0.016 χ^2/NDF: 4034083.4/41

All: 101.706+/-0.011 χ^2/NDF: 9187212.6/85

- sign 100.945+/-0.015 χ^2/NDF: 5148059.0/43



Right In: 0.000+/-0.000 χ^2/NDF: 13.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:32.9/23

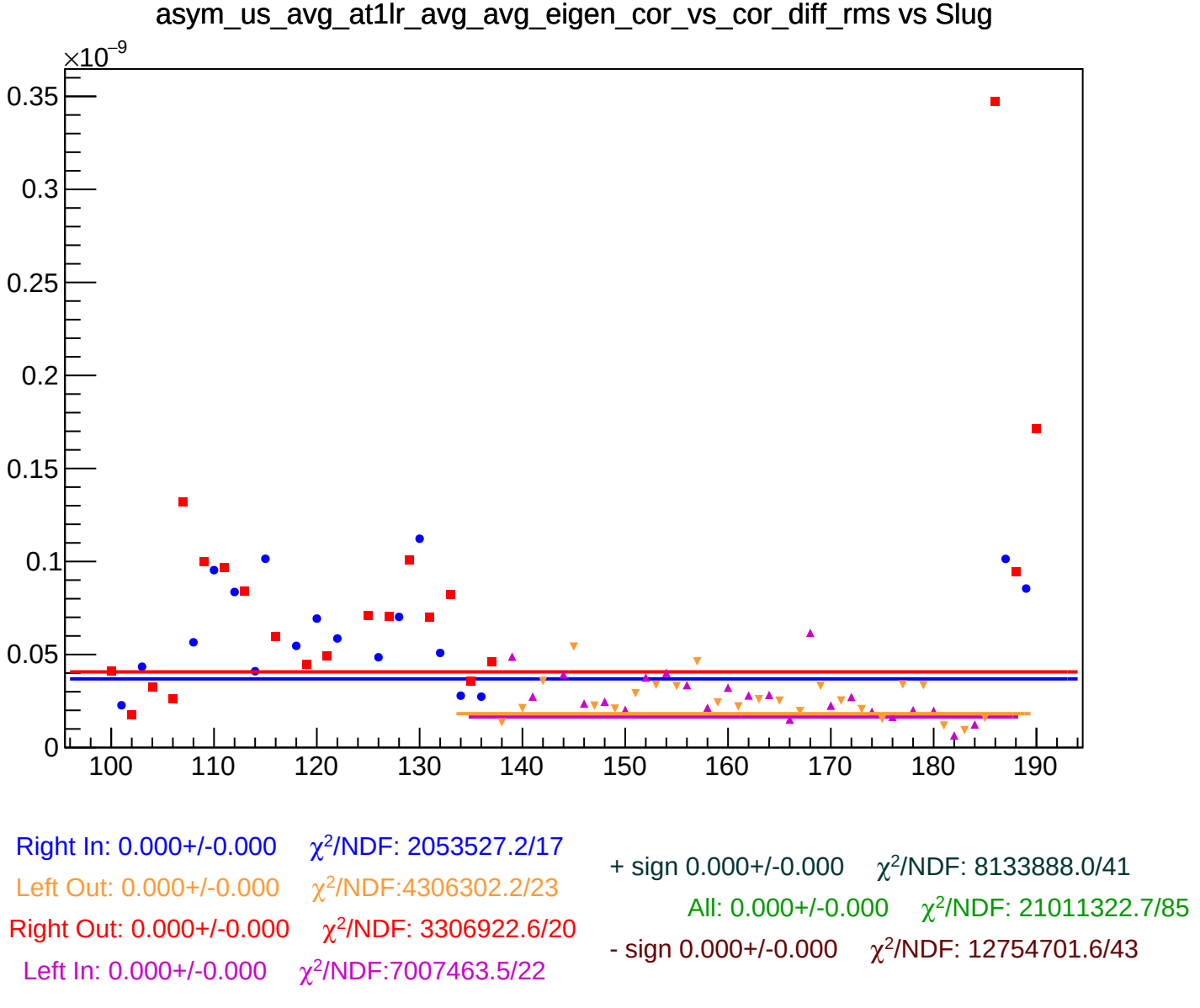
Right Out: -0.000+/-0.000 χ^2/NDF: 12.4/20

Left In: 0.000+/-0.000 χ^2/NDF:35.2/22

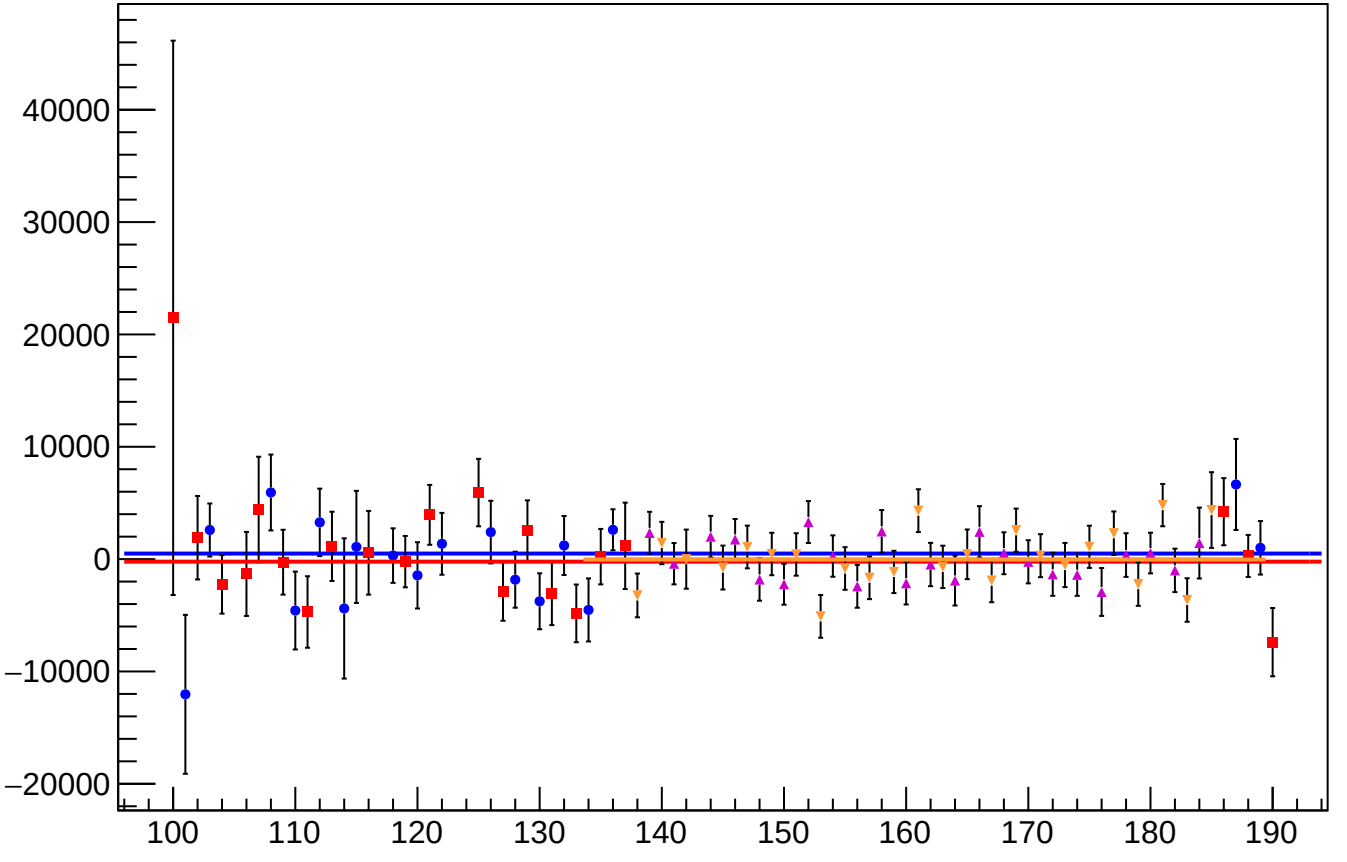
+ sign -0.000+/-0.000 χ^2/NDF: 46.7/41

All: 0.000+/-0.000 χ^2/NDF: 96.9/85

- sign 0.000+/-0.000 χ^2/NDF: 48.7/43


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: 3306922.6/20
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: 21011322.7/85
- sign 0.000+/-0.000 χ²/NDF: 12754701.6/43

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: -226.699+/-635.530 χ^2/NDF: 25.9/20

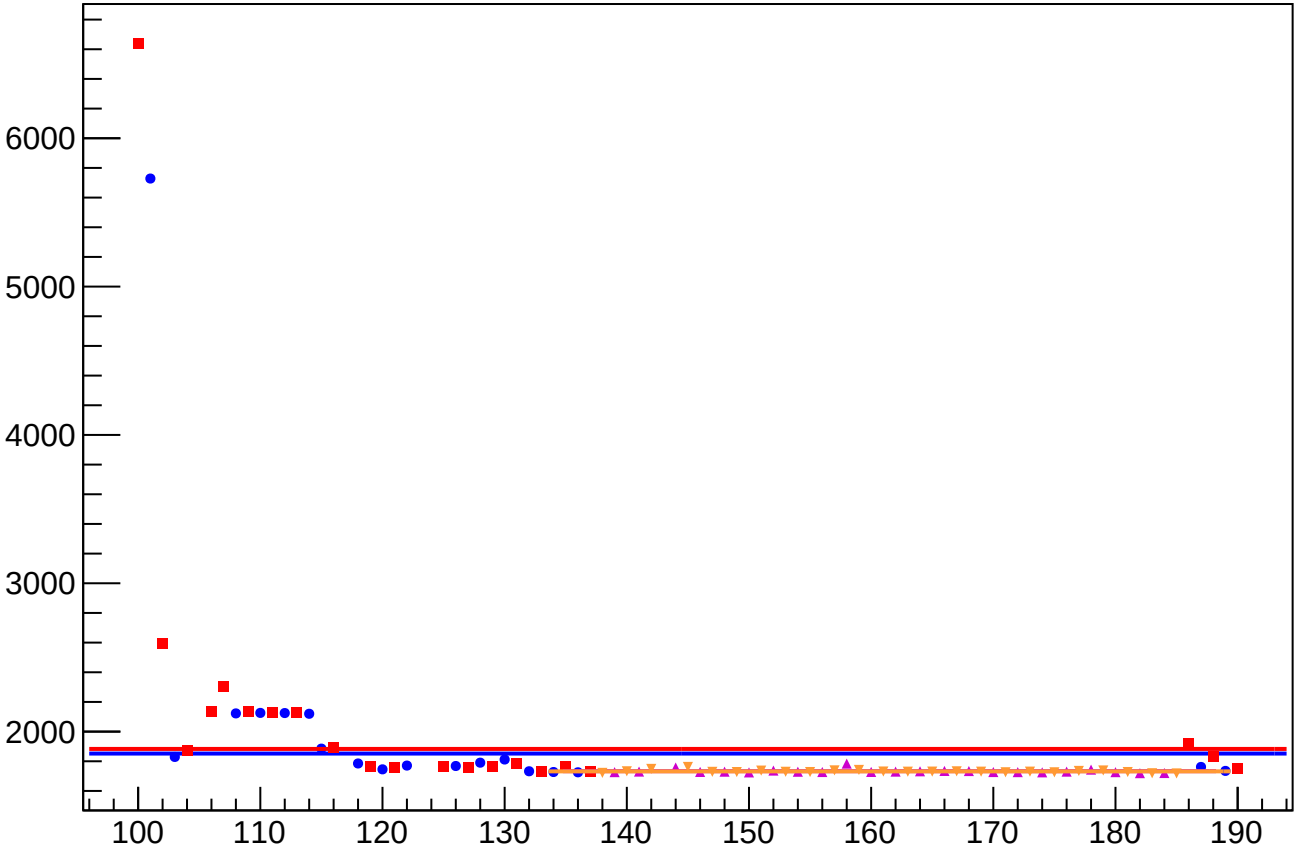
Left In: -52.796+/-404.703 χ^2/NDF:19.4/22

+ sign 104.810+/-344.798 χ^2/NDF: 57.7/41

All: -0.119+/-242.586 χ^2/NDF: 103.3/85

- sign -102.970+/-341.365 χ^2/NDF: 45.4/43

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

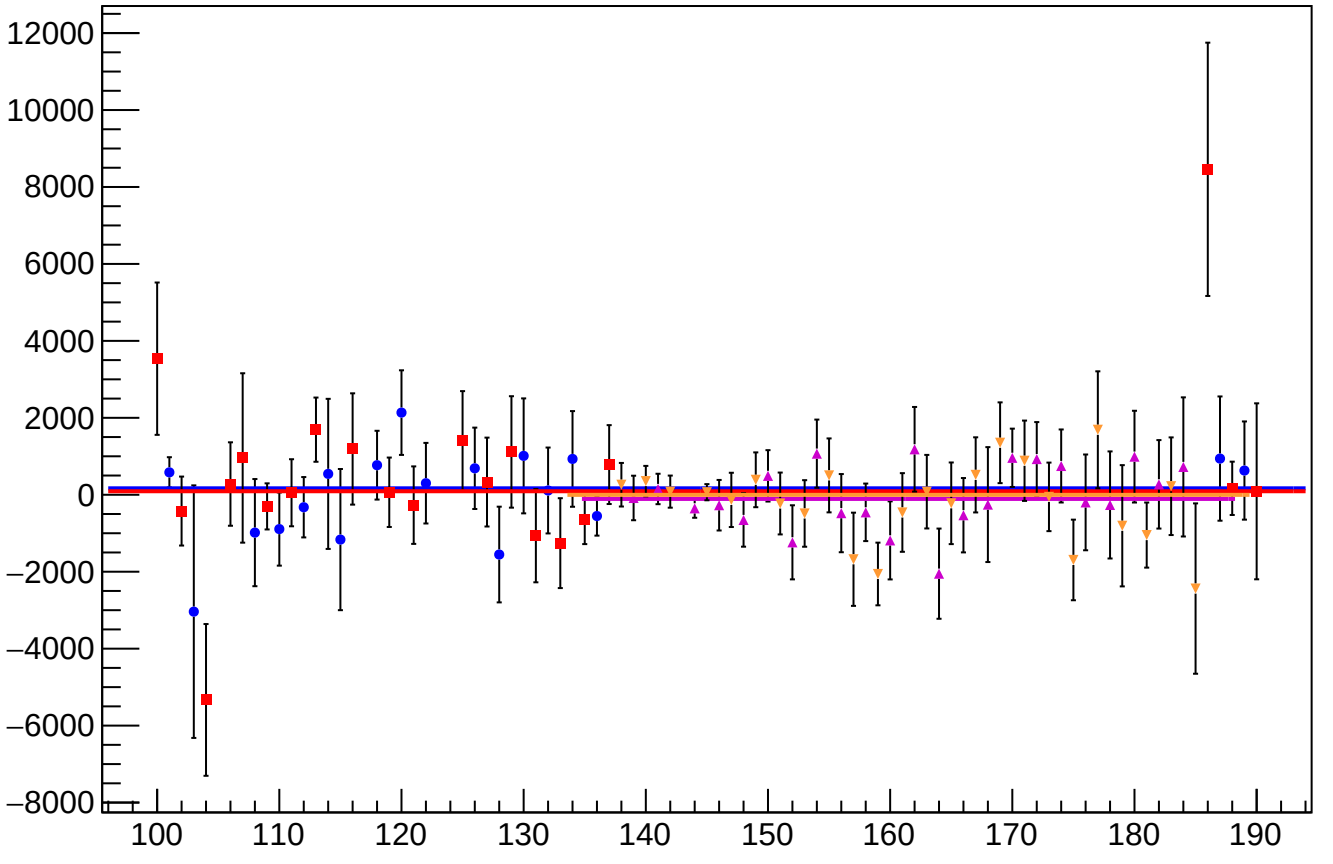
Right Out: 1883.223+/-0.449 χ^2/NDF: 256880.1/20

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1763.702+/-0.244 χ^2/NDF: 727285.4/41

All: 1770.198+/-0.172 χ^2/NDF: 1066973.7/85

- sign 1776.566+/-0.241 χ^2/NDF: 338282.5/43



Right In: 167.890+/-214.967 χ^2/NDF: 13.8/17

Left Out: -2.406+/-130.052 χ^2/NDF:20.3/23

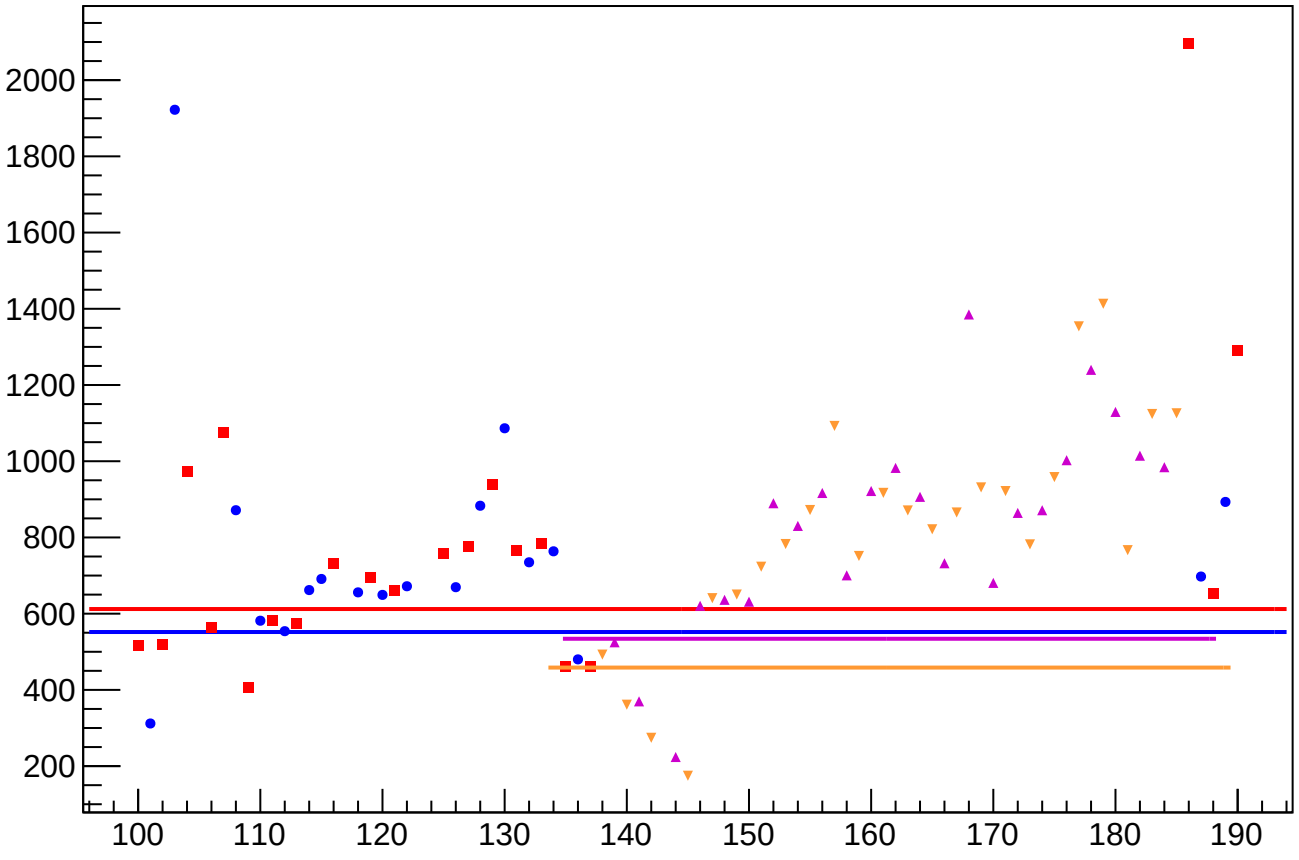
Right Out: 91.439+/-223.698 χ^2/NDF: 27.9/20

Left In: -108.386+/-143.315 χ^2/NDF:17.0/22

+ sign 43.223+/-111.273 χ^2/NDF: 34.6/41

All: 0.275+/-81.804 χ^2/NDF: 80.4/85

- sign -50.236+/-120.674 χ^2/NDF: 45.5/43



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: 612.191+/-0.158 χ^2/NDF: 1446448.8/20

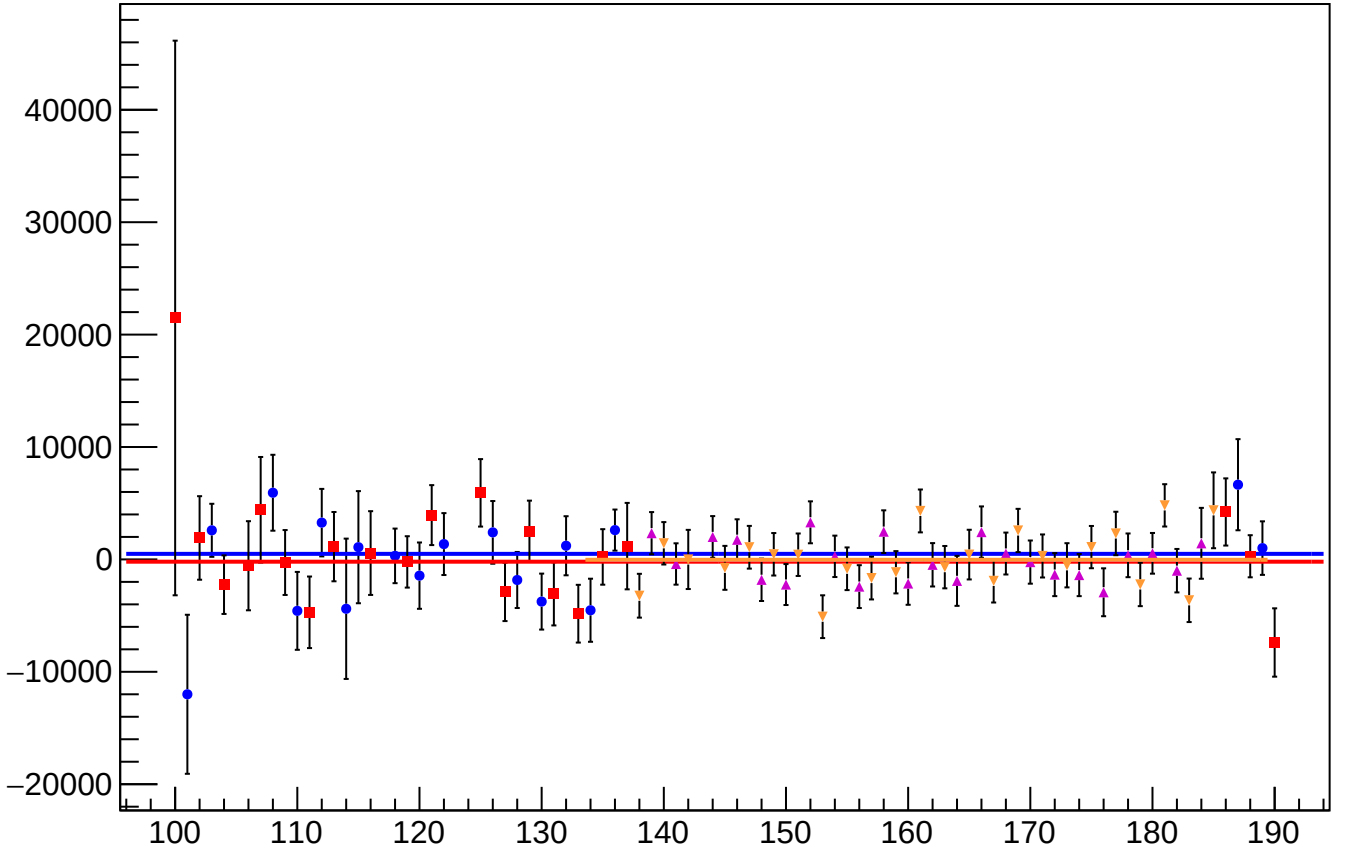
Left In: 534.161+/-0.101 χ^2/NDF:8443293.1/22

+ sign 483.576+/-0.079 χ^2/NDF: 13723240.8/41

All: 517.257+/-0.058 χ^2/NDF: 24184251.4/85

- sign 556.868+/-0.085 χ^2/NDF: 10062278.1/43

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: -203.636+/-636.531 χ^2/NDF: 25.9/20

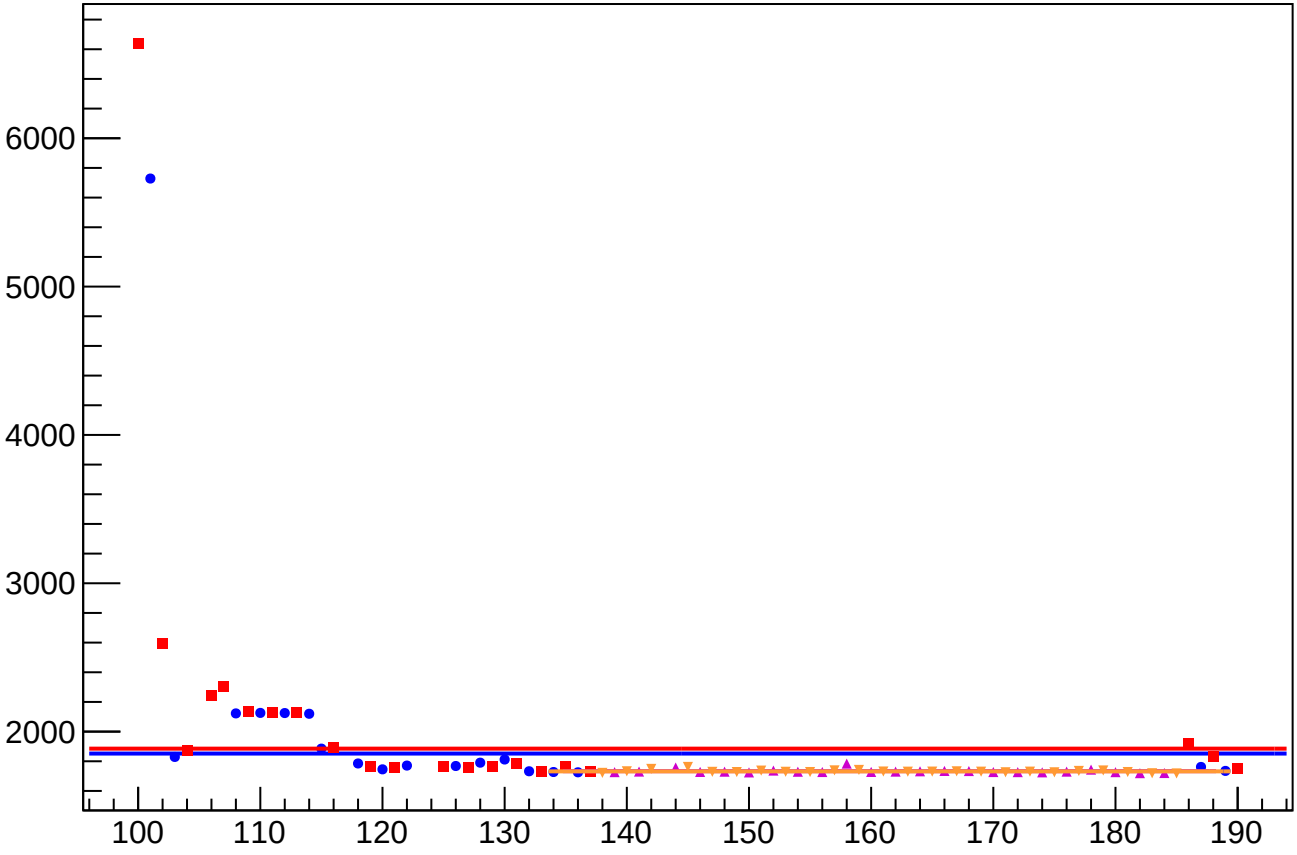
Left In: -52.714+/-404.703 χ^2/NDF:19.4/22

+ sign 104.893+/-344.798 χ^2/NDF: 57.7/41

All: 3.407+/-242.642 χ^2/NDF: 103.2/85

- sign -96.159+/-341.520 χ^2/NDF: 45.3/43

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

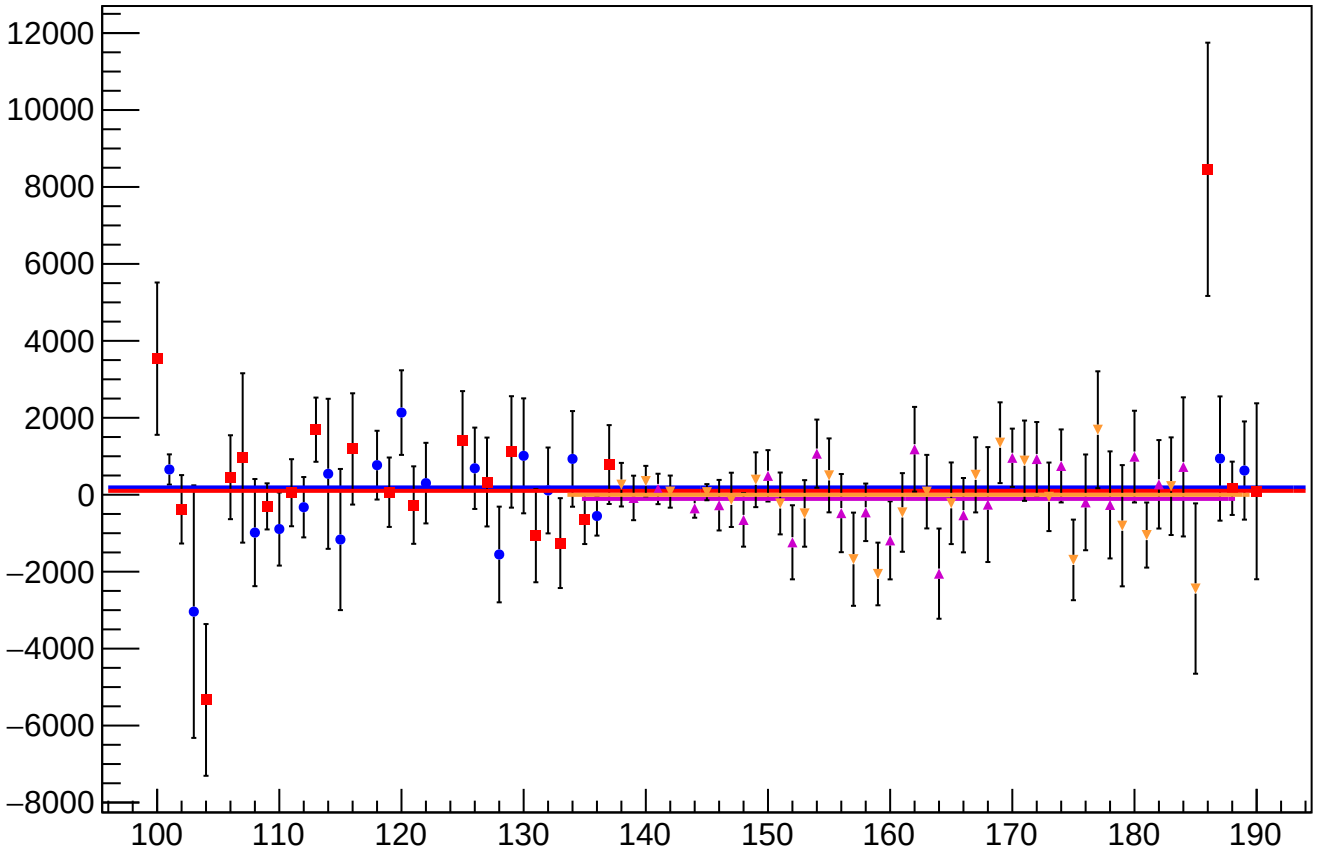
Right Out: 1885.134+/-0.450 χ^2/NDF: 264043.3/20

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1763.702+/-0.244 χ^2/NDF: 727285.2/41

All: 1770.424+/-0.172 χ^2/NDF: 1076086.9/85

- sign 1777.019+/-0.241 χ^2/NDF: 347295.7/43



Right In: 190.141+/-214.897 χ^2/NDF: 14.3/17

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

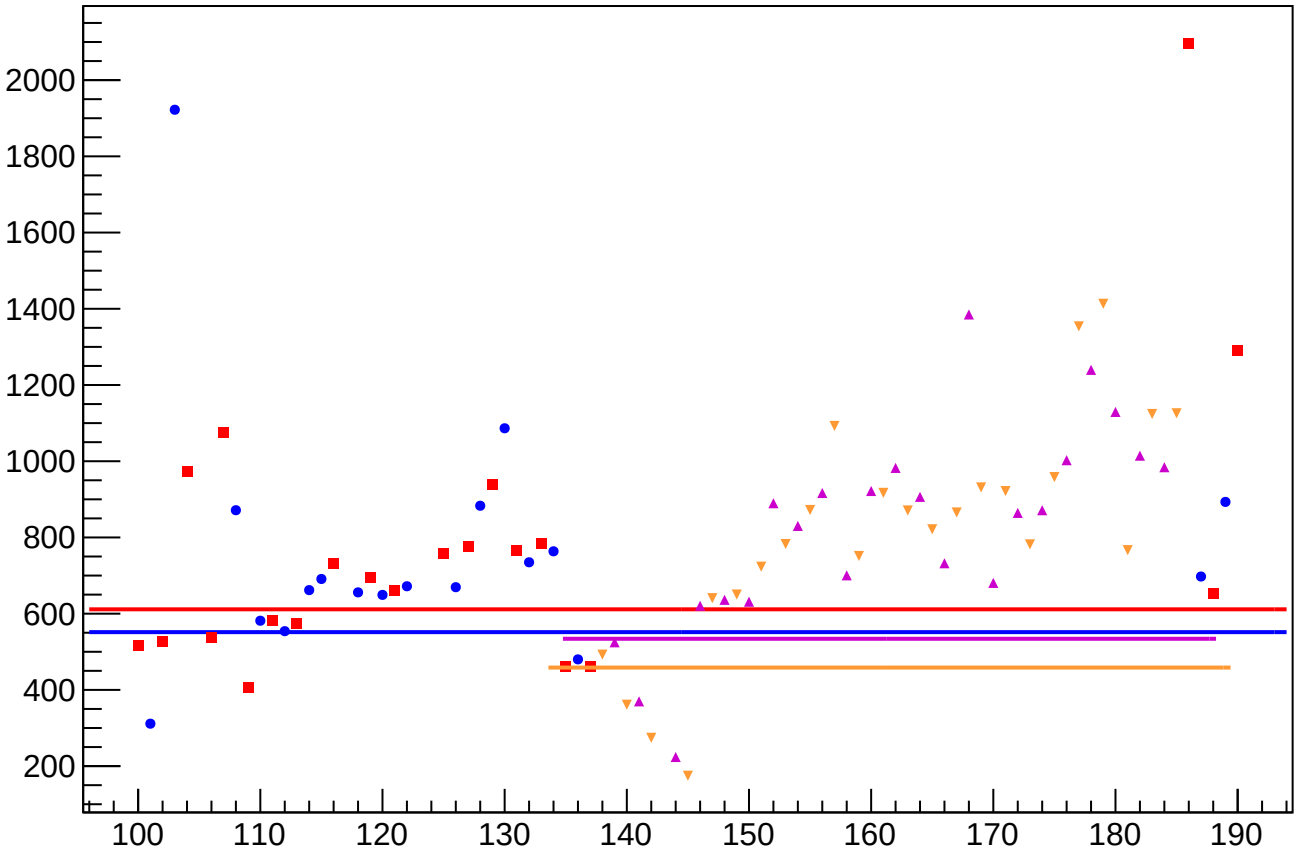
Right Out: 101.095+/-223.651 χ^2/NDF: 27.9/20

Left In: -108.358+/-143.315 χ^2/NDF:17.0/22

+ sign 49.121+/-111.265 χ^2/NDF: 35.1/41

All: 4.772+/-81.798 χ^2/NDF: 81.0/85

- sign -47.388+/-120.667 χ^2/NDF: 45.6/43



Right In: 551.568+/-0.152 χ^2/NDF: 2025427.2/17

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

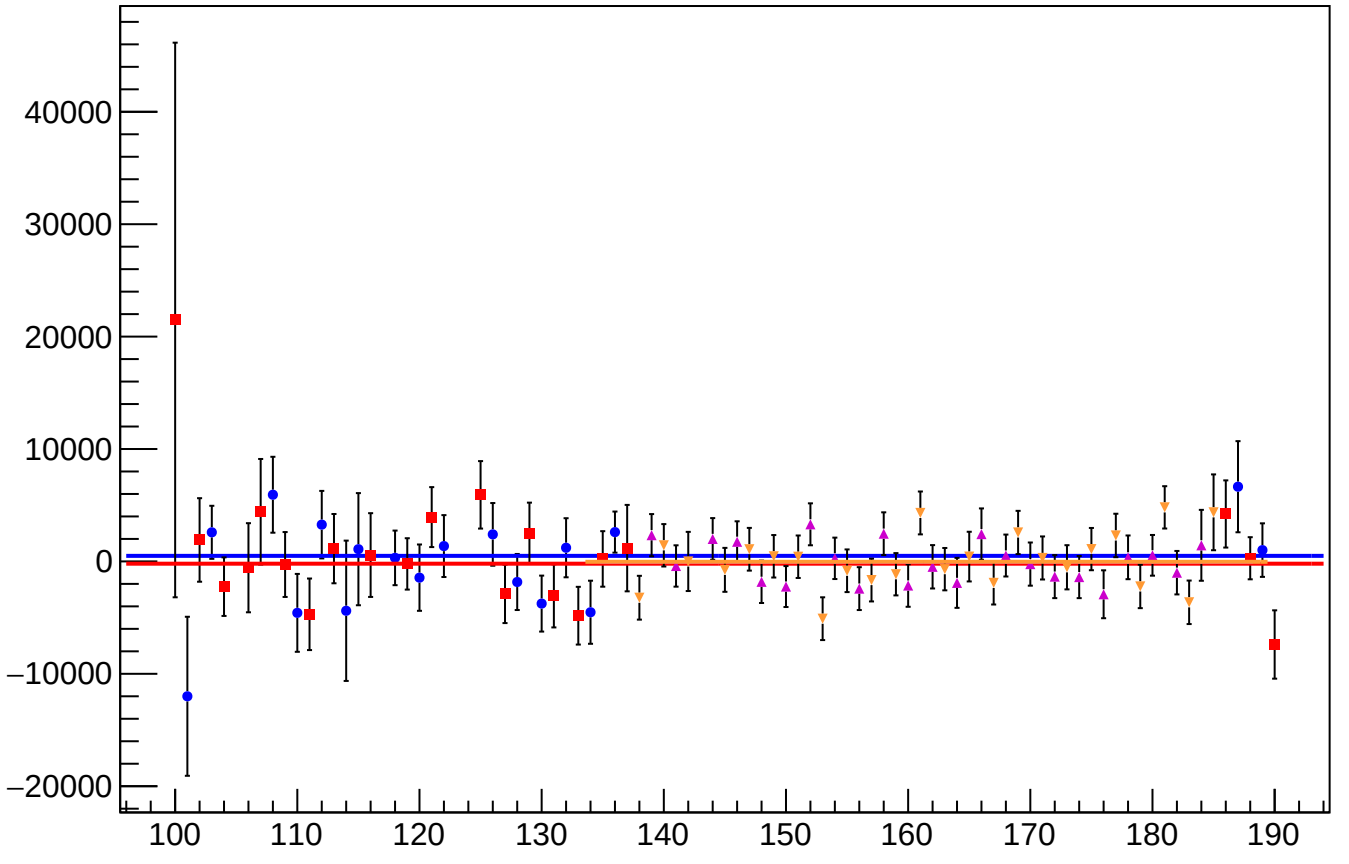
Right Out: 611.424+/-0.158 χ^2/NDF: 1449136.3/20

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

+ sign 483.514+/-0.079 χ^2/NDF: 13725780.3/41

All: 517.125+/-0.058 χ^2/NDF: 24184068.8/85

- sign 556.657+/-0.085 χ^2/NDF: 10061123.7/43



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: -203.636+/-636.531 χ^2/NDF: 25.9/20

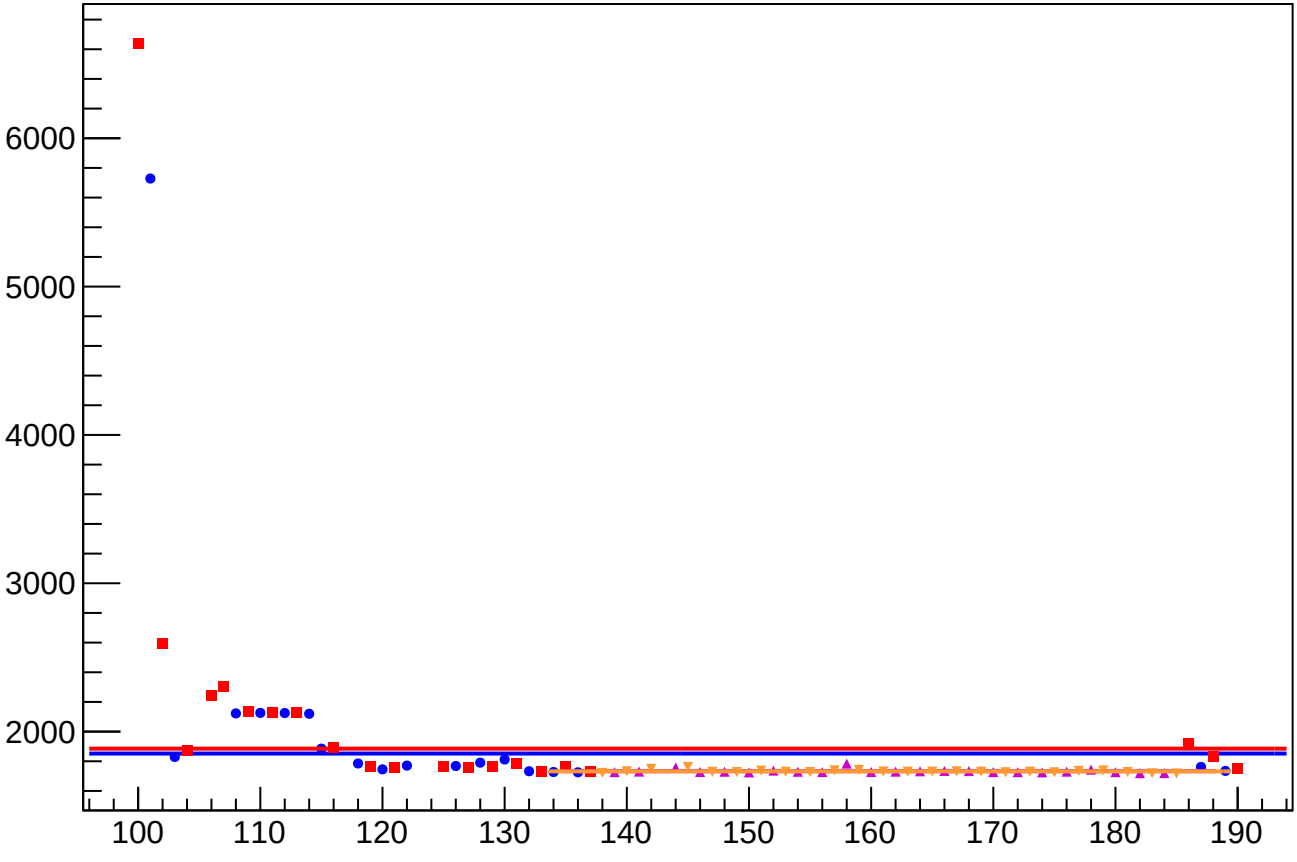
Left In: -52.714+/-404.703 χ^2/NDF:19.4/22

+ sign 104.893+/-344.798 χ^2/NDF: 57.7/41

All: 3.407+/-242.642 χ^2/NDF: 103.2/85

- sign -96.159+/-341.520 χ^2/NDF: 45.3/43

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

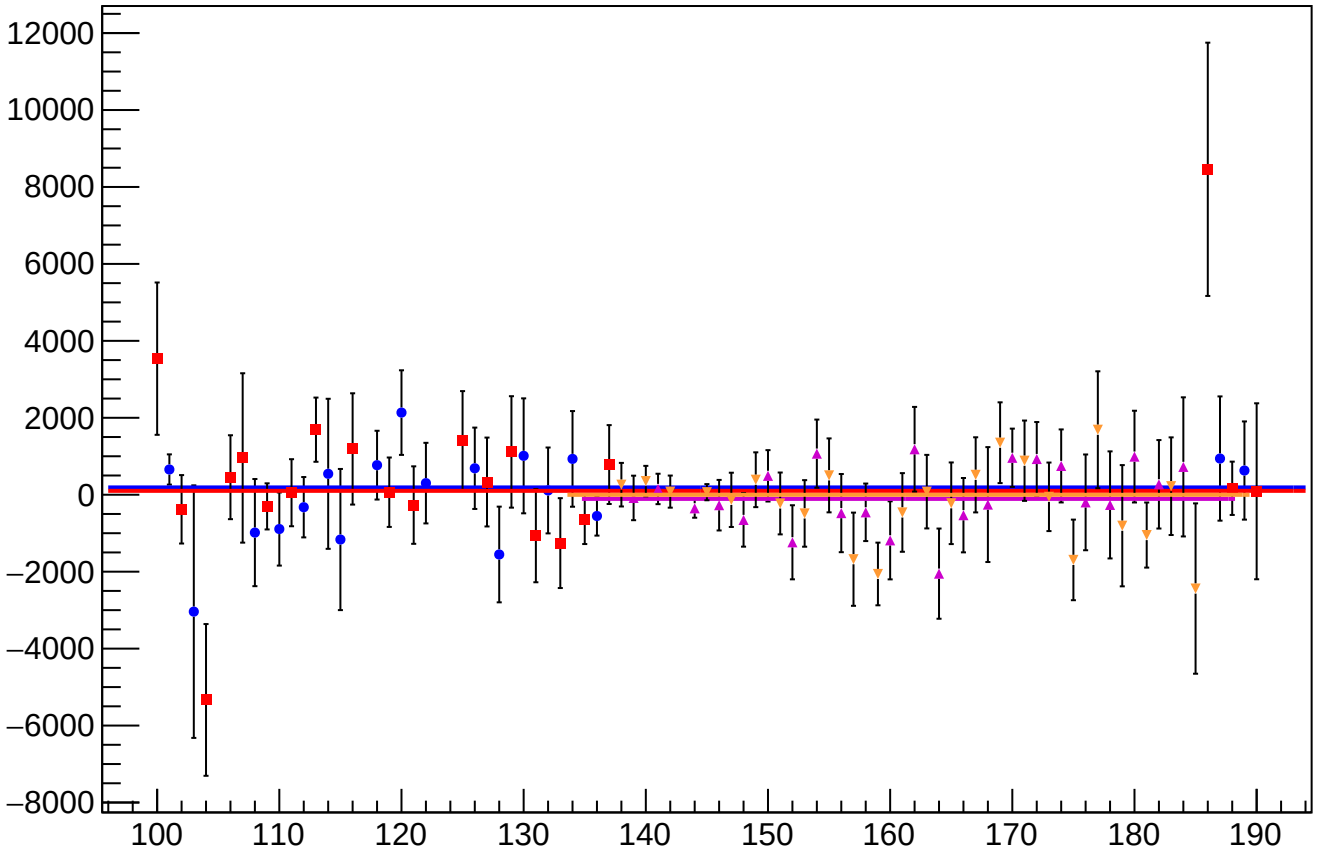
Right Out: 1885.134+/-0.450 χ^2/NDF: 264043.3/20

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1763.702+/-0.244 χ^2/NDF: 727285.2/41

All: 1770.424+/-0.172 χ^2/NDF: 1076086.9/85

- sign 1777.019+/-0.241 χ^2/NDF: 347295.7/43



Right In: 190.141+/-214.897 χ^2/NDF: 14.3/17

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

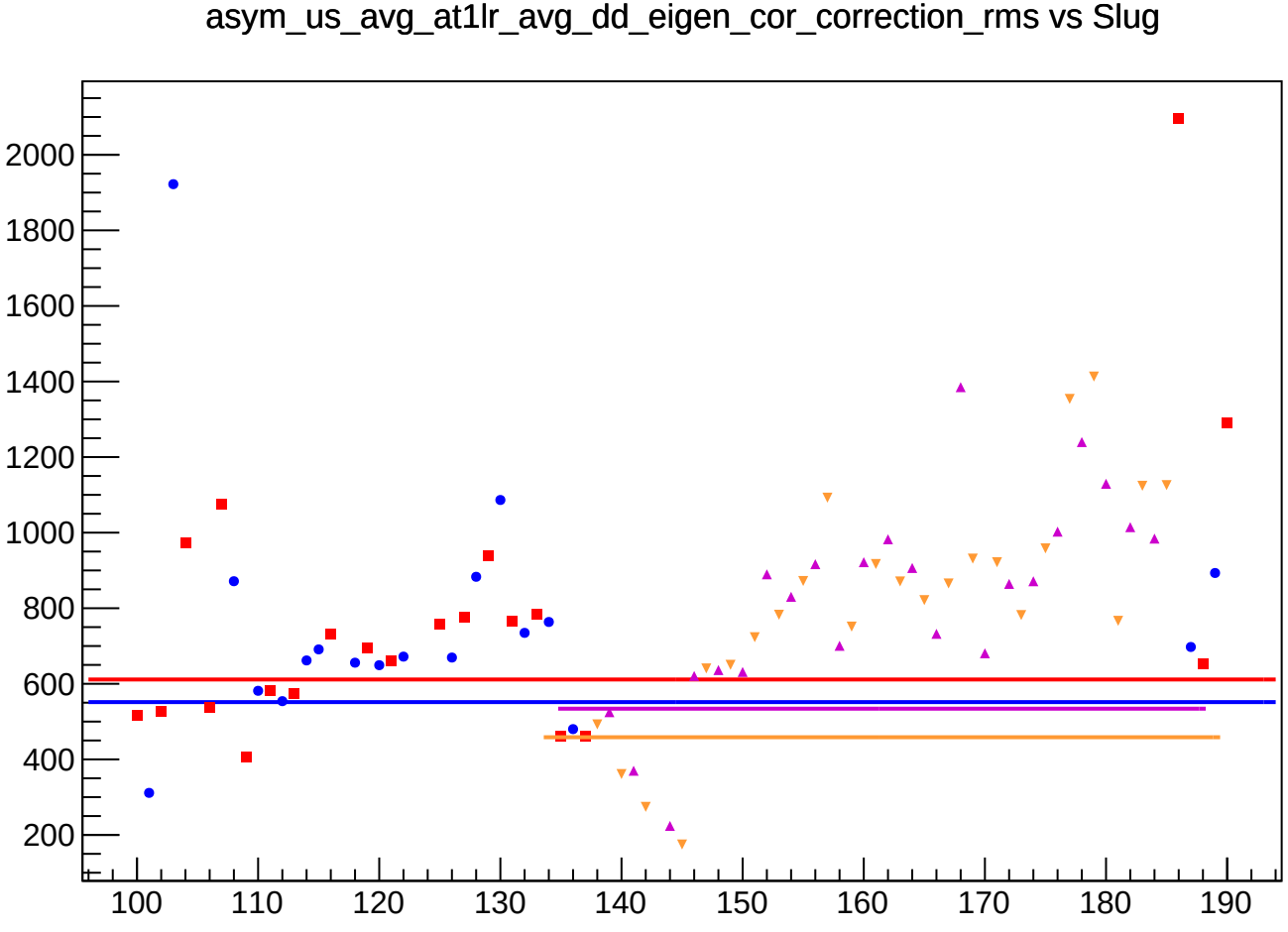
Right Out: 101.095+/-223.651 χ^2/NDF: 27.9/20

Left In: -108.358+/-143.315 χ^2/NDF:17.0/22

+ sign 49.121+/-111.265 χ^2/NDF: 35.1/41

All: 4.772+/-81.798 χ^2/NDF: 81.0/85

- sign -47.388+/-120.667 χ^2/NDF: 45.6/43



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: 611.424+/-0.158 χ^2/NDF: 1449136.3/20

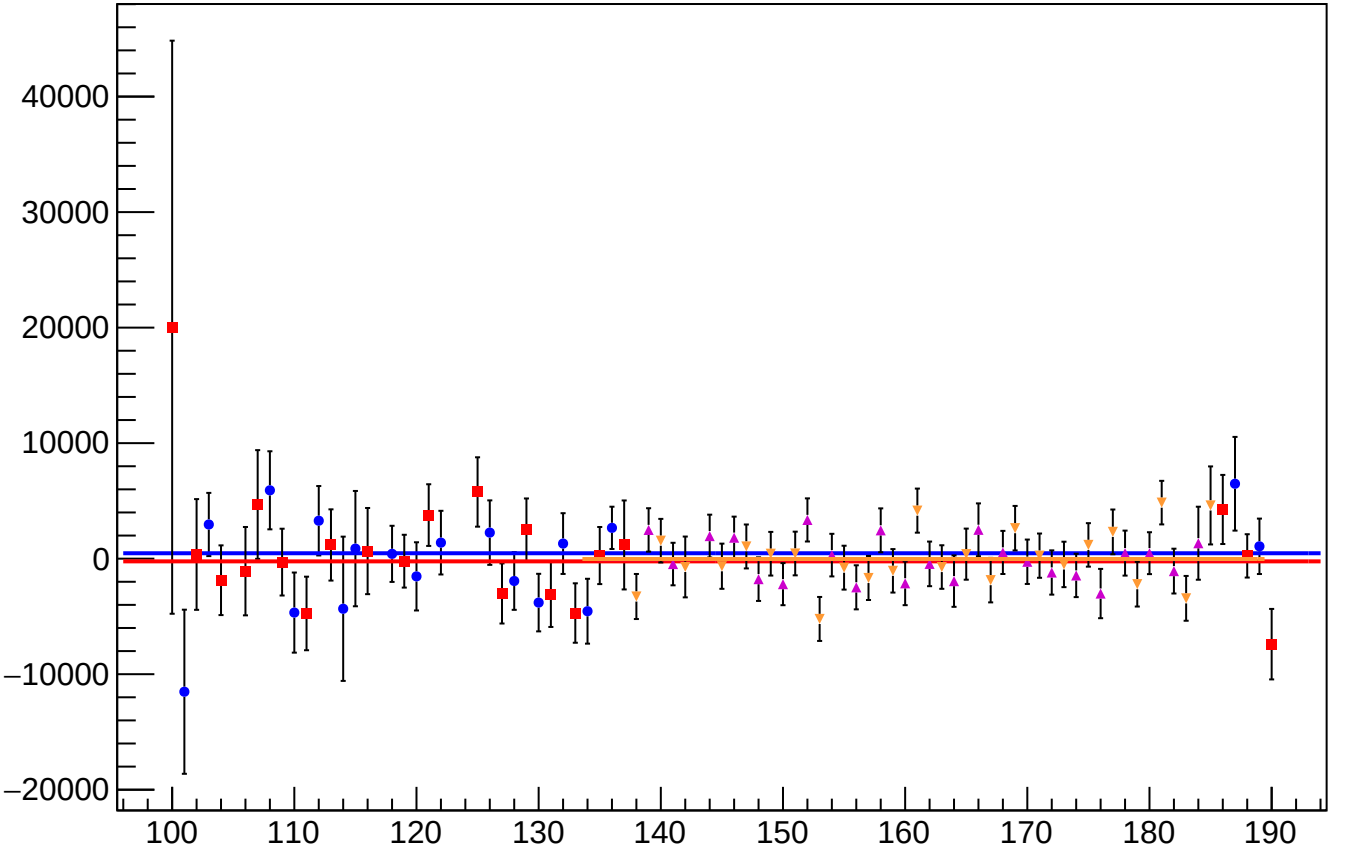
Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

+ sign 483.514+/-0.079 χ^2/NDF: 13725780.3/41

All: 517.125+/-0.058 χ^2/NDF: 24184068.8/85

- sign 556.657+/-0.085 χ^2/NDF: 10061123.7/43

dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



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: -233.673+/-645.262 χ^2/NDF: 24.9/20

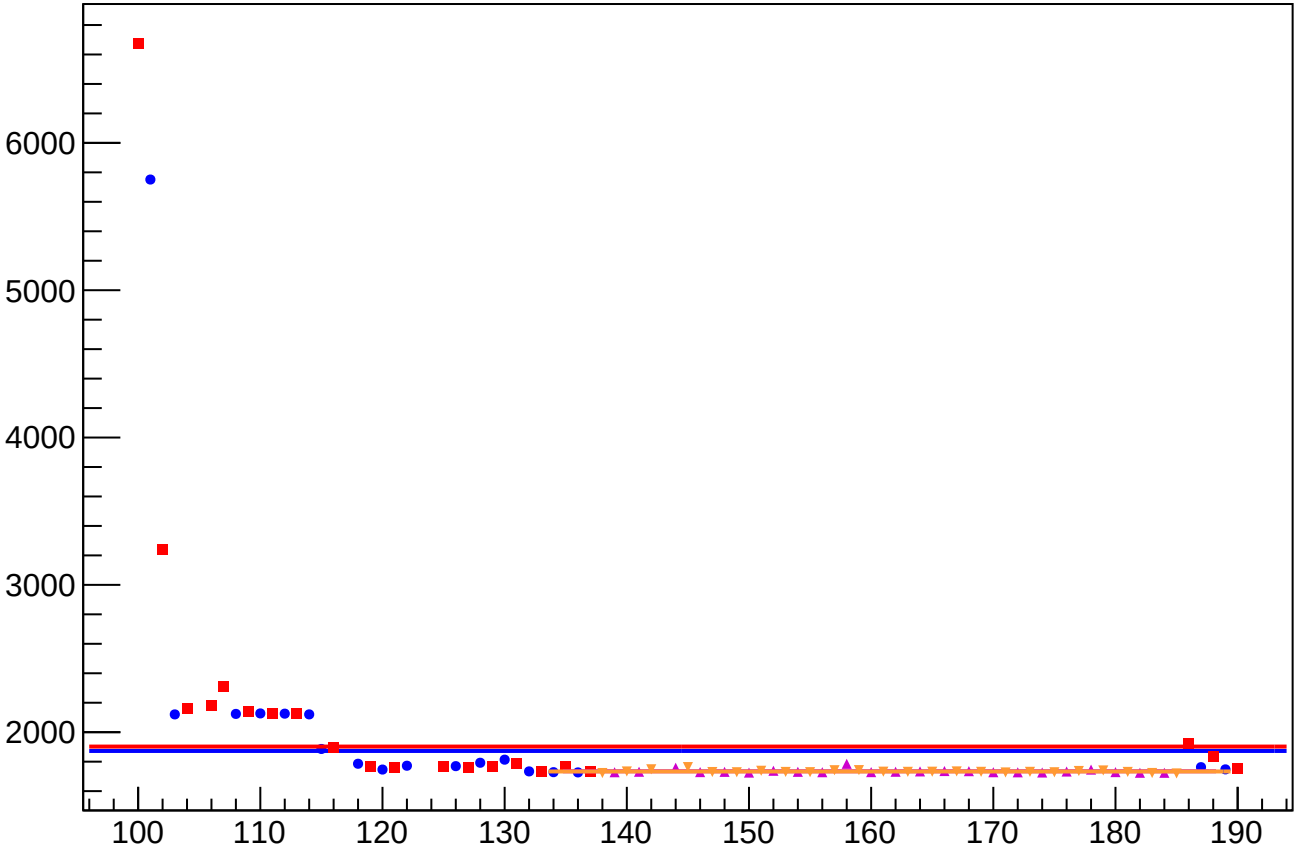
Left In: -42.465+/-405.052 χ^2/NDF:19.9/22

+ sign 100.200+/-346.074 χ^2/NDF: 57.6/41

All: 0.984+/-243.639 χ^2/NDF: 102.6/85

- sign -96.512+/-343.061 χ^2/NDF: 44.8/43

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

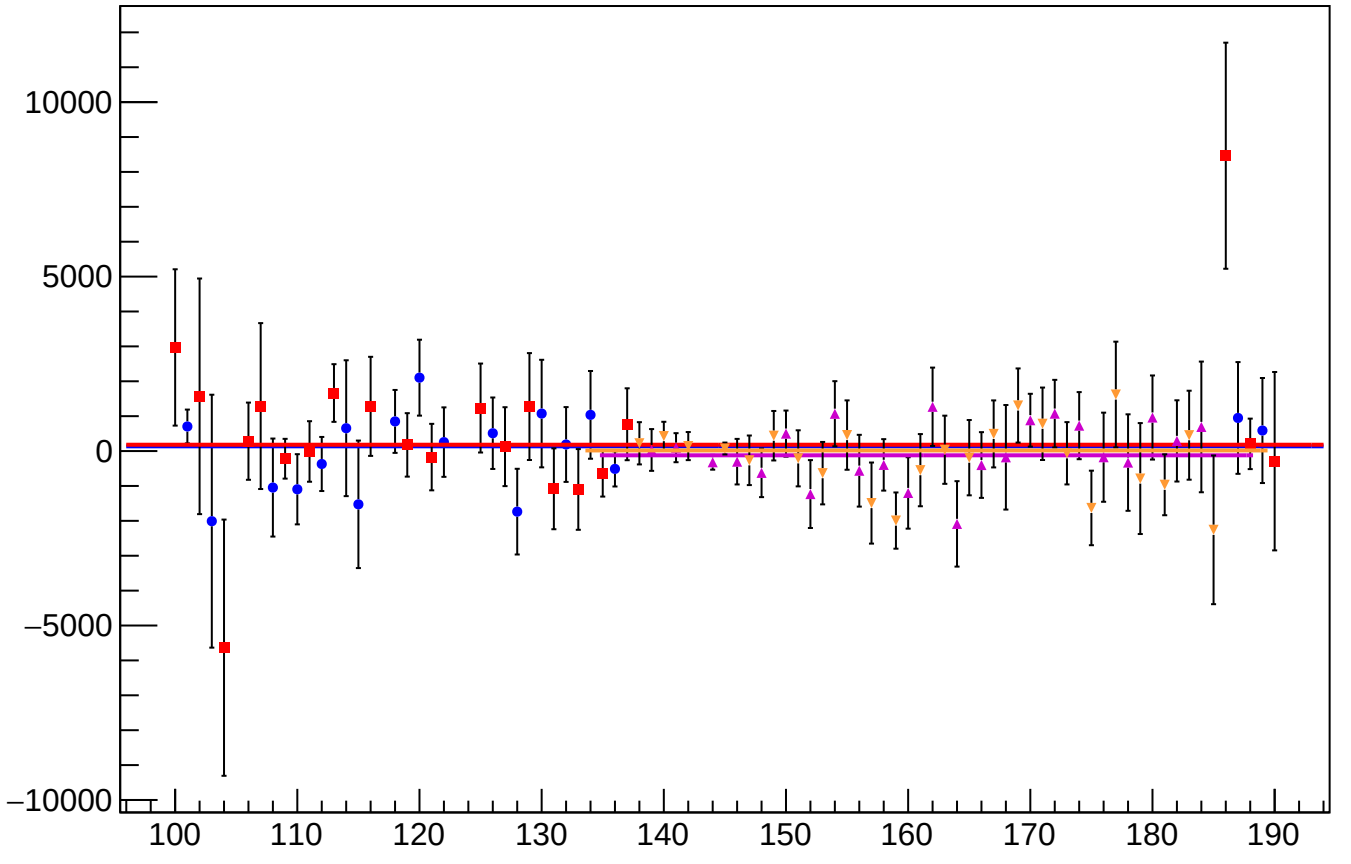
Right Out: 1902.402+/-0.456 χ^2/NDF: 360744.8/20

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1769.670+/-0.245 χ^2/NDF: 760309.6/41

All: 1775.981+/-0.172 χ^2/NDF: 1221329.7/85

- sign 1782.182+/-0.243 χ^2/NDF: 459701.4/43



Right In: 135.884+/-226.706 χ^2/NDF: 14.5/17

Left Out: 18.027+/-119.333 χ^2/NDF:19.4/23

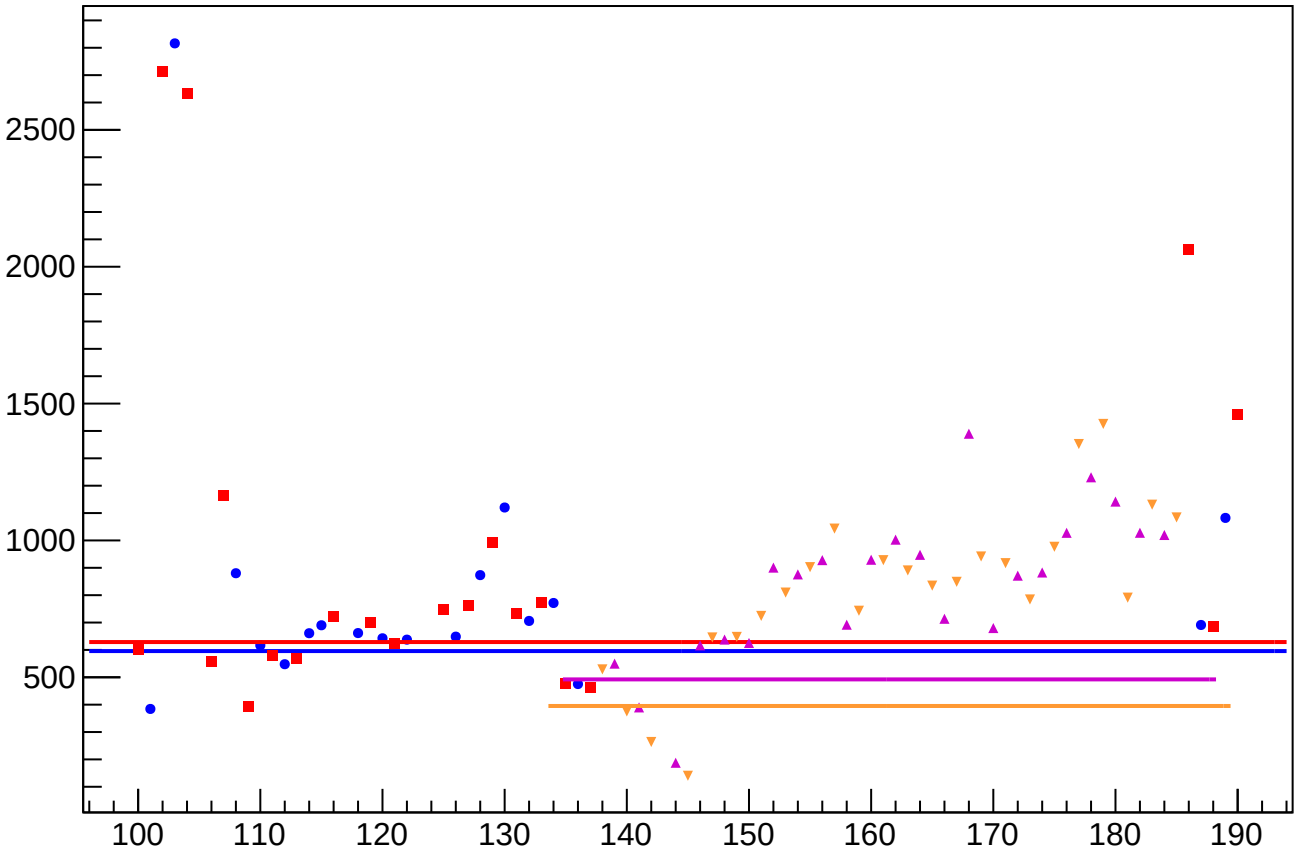
Right Out: 181.537+/-231.299 χ^2/NDF: 21.0/20

Left In: -121.705+/-137.150 χ^2/NDF:16.5/22

+ sign 43.597+/-105.597 χ^2/NDF: 34.2/41

All: 5.156+/-78.681 χ^2/NDF: 73.2/85

- sign -42.822+/-117.970 χ^2/NDF: 38.7/43



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: 628.762+/-0.164 χ^2/NDF: 2830094.4/20

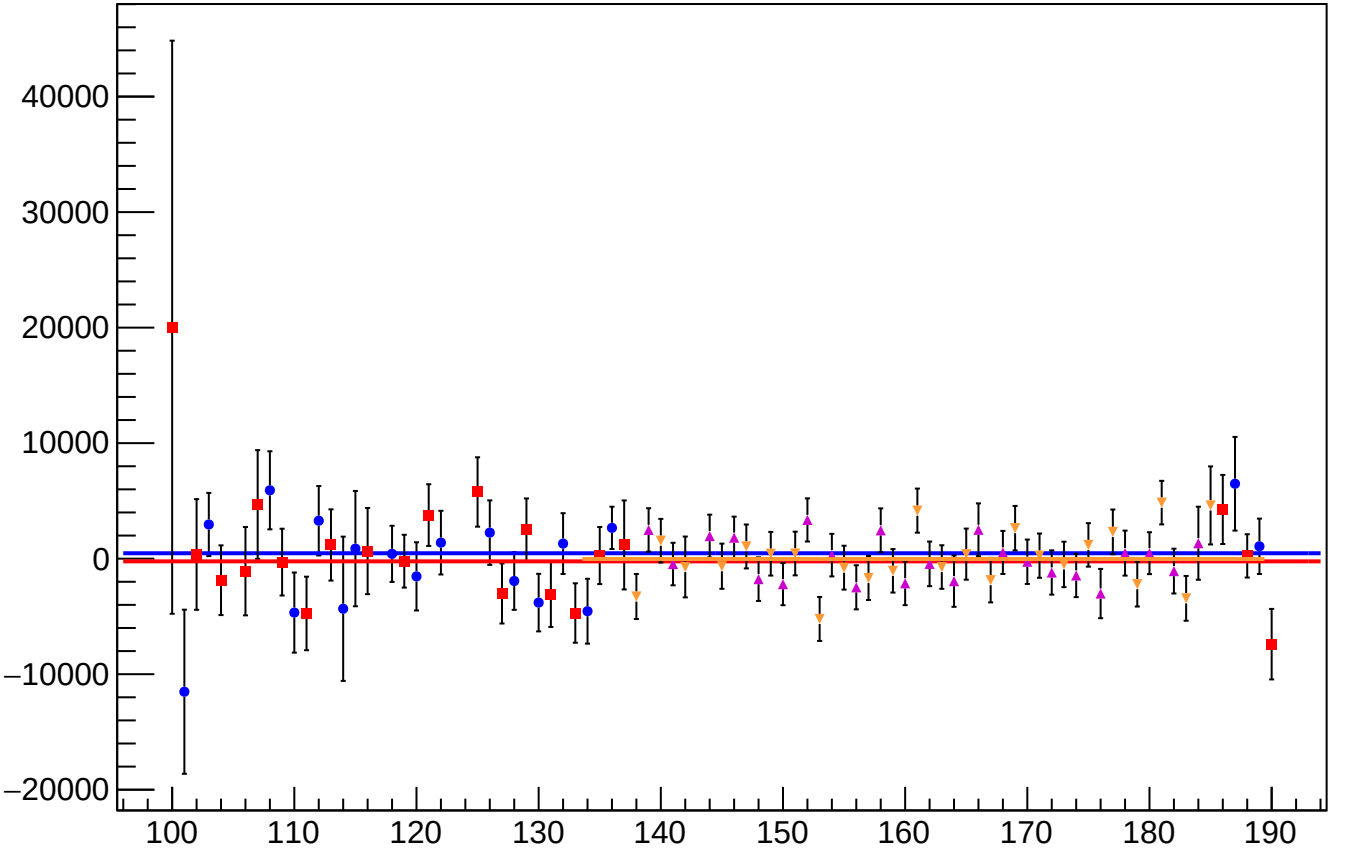
Left In: 492.294+/-0.097 χ^2/NDF:10419498.8/22

+ sign 438.712+/-0.075 χ^2/NDF: 17537869.9/41

All: 478.338+/-0.056 χ^2/NDF: 31935691.9/85

- sign 527.794+/-0.083 χ^2/NDF: 13764693.4/43

eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



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: -233.673+/-645.262 χ^2/NDF: 24.9/20

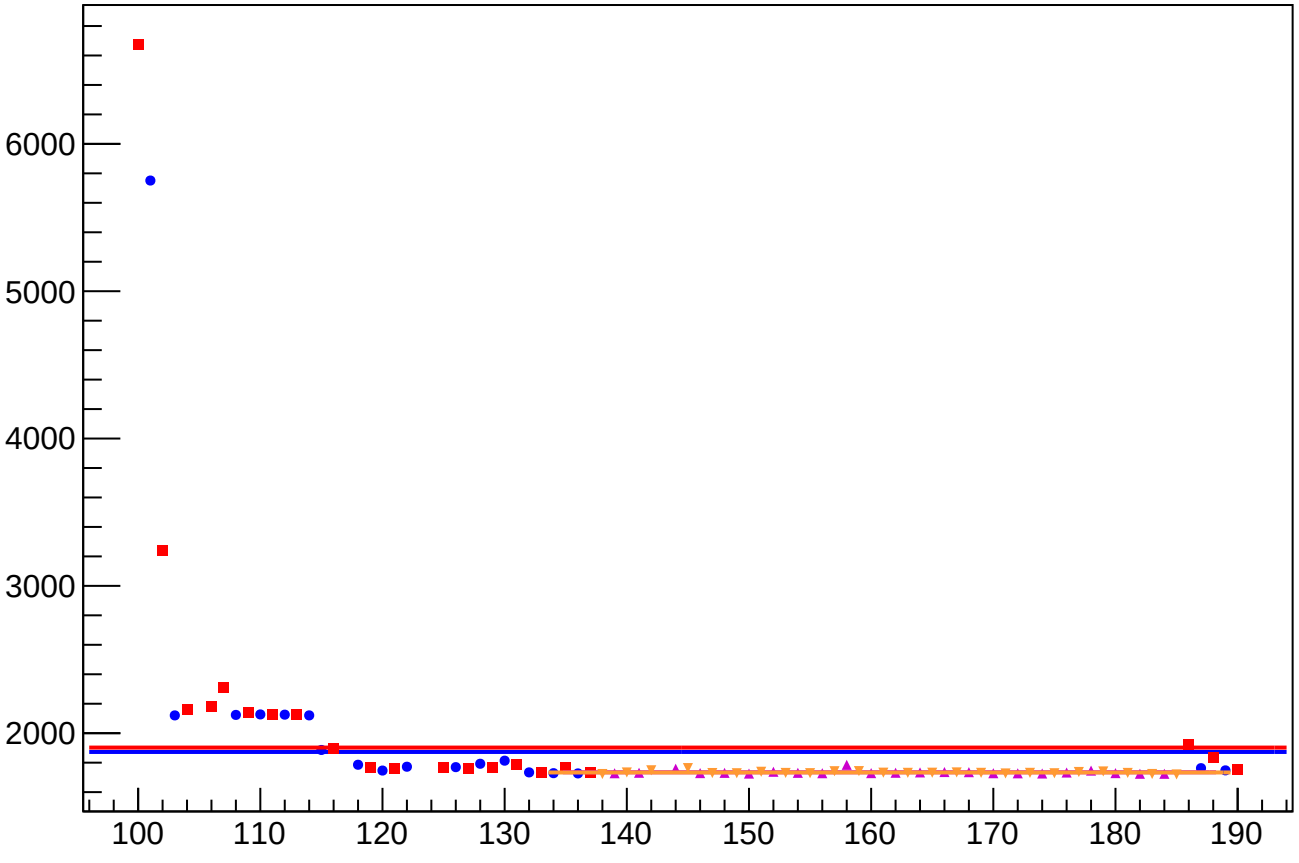
Left In: -42.465+/-405.052 χ^2/NDF:19.9/22

+ sign 100.197+/-346.074 χ^2/NDF: 57.6/41

All: 0.983+/-243.639 χ^2/NDF: 102.6/85

- sign -96.513+/-343.061 χ^2/NDF: 44.8/43

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

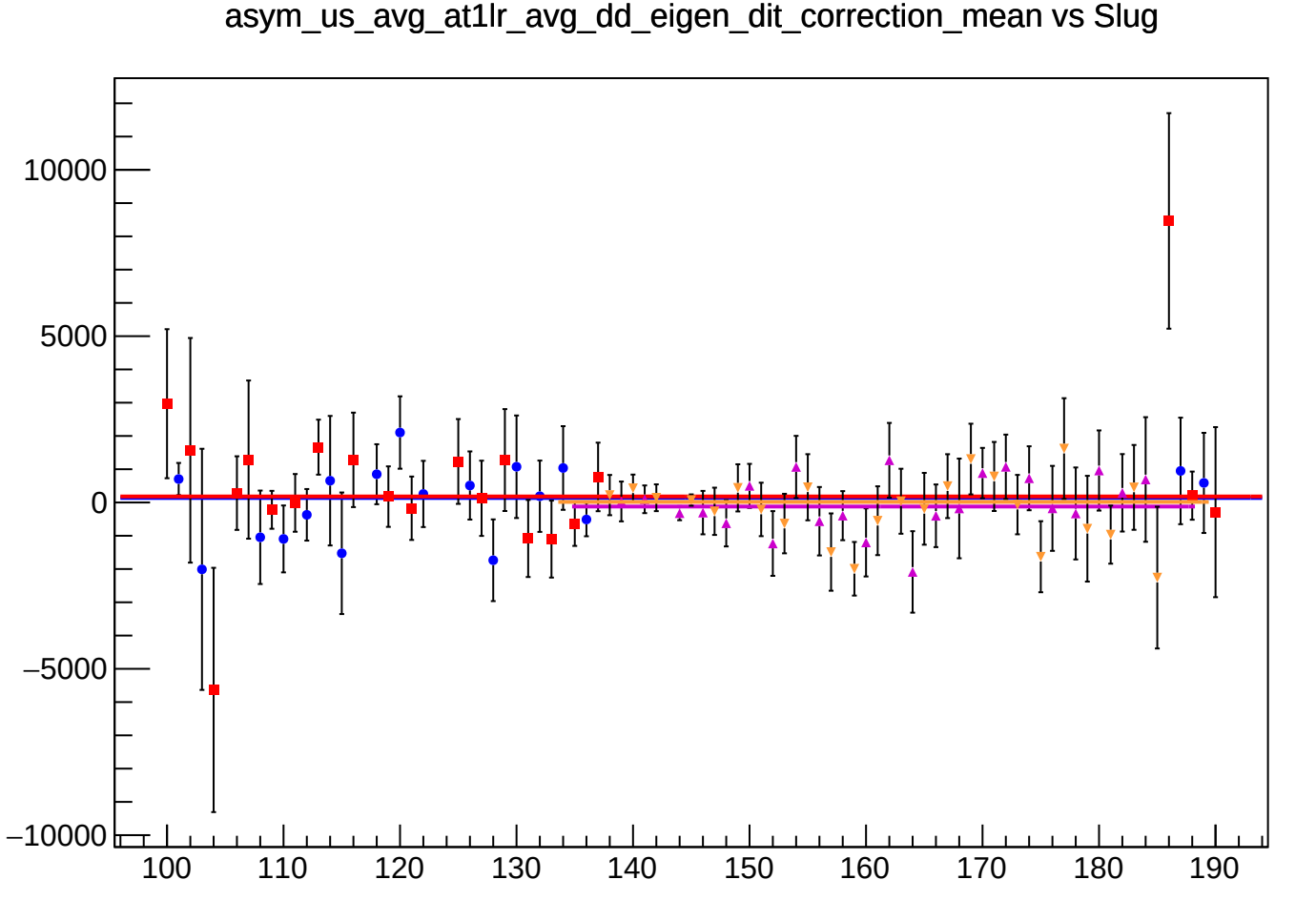
Right Out: 1902.402+/-0.456 χ^2/NDF: 360744.1/20

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1769.670+/-0.245 χ^2/NDF: 760309.2/41

All: 1775.981+/-0.172 χ^2/NDF: 1221328.4/85

- sign 1782.182+/-0.243 χ^2/NDF: 459700.5/43



Right In: 135.880+/-226.705 χ^2/NDF: 14.5/17

Left Out: 18.026+/-119.333 χ^2/NDF:19.4/23

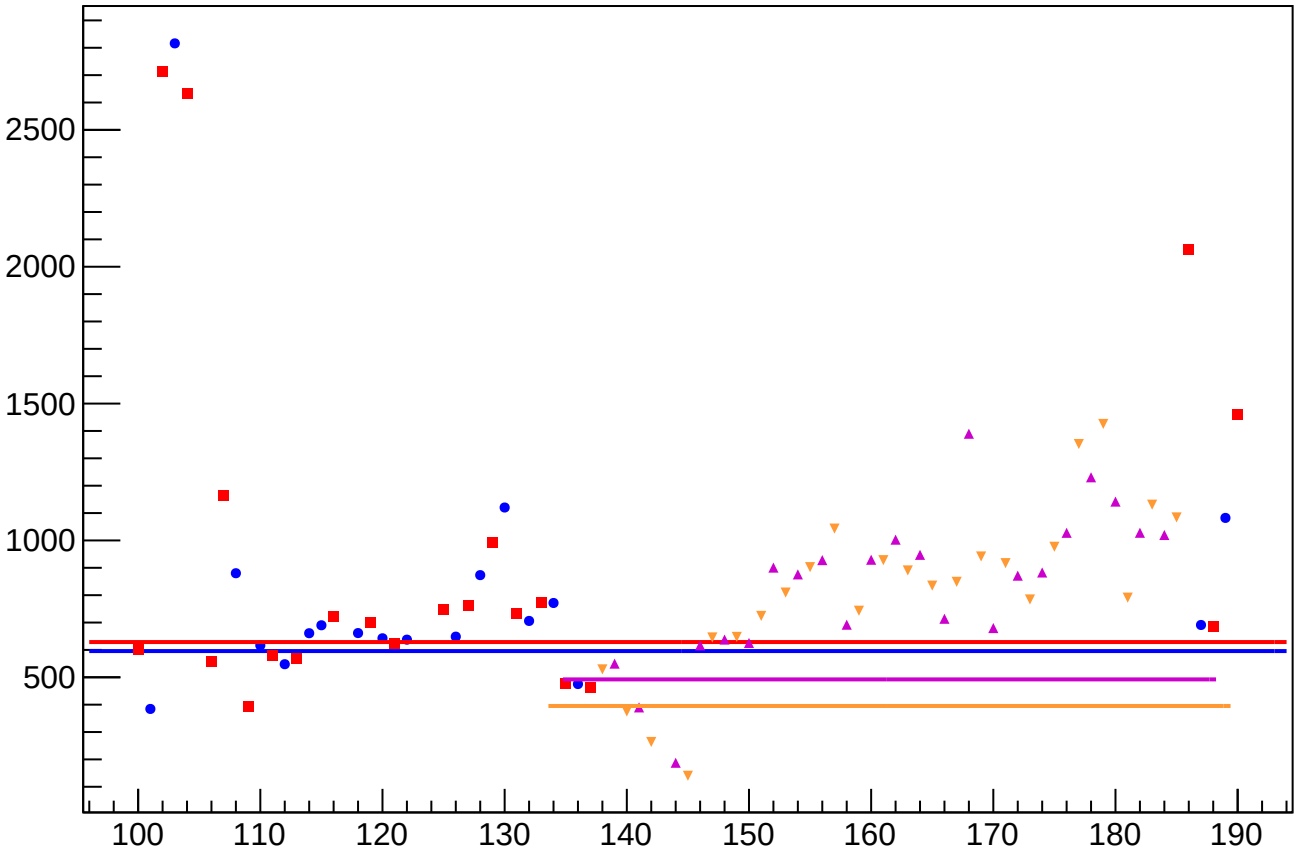
Right Out: 181.536+/-231.298 χ^2/NDF: 21.0/20

Left In: -121.706+/-137.150 χ^2/NDF:16.5/22

+ sign 43.595+/-105.597 χ^2/NDF: 34.2/41

All: 5.155+/-78.681 χ^2/NDF: 73.2/85

- sign -42.822+/-117.970 χ^2/NDF: 38.7/43



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: 628.758+/-0.164 χ^2/NDF: 2830113.4/20

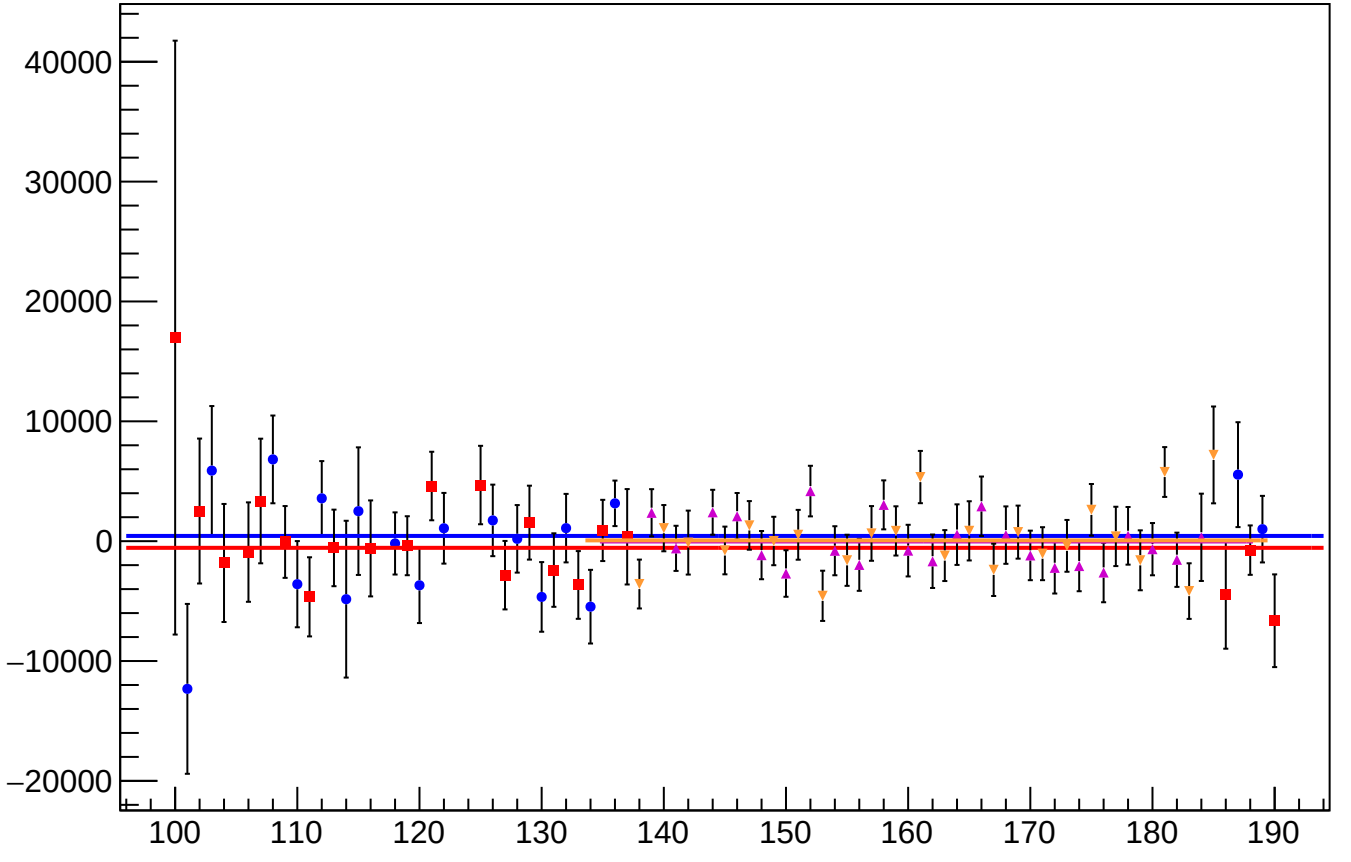
Left In: 492.295+/-0.097 χ^2/NDF:10419523.2/22

+ sign 438.712+/-0.075 χ^2/NDF: 17537887.7/41

All: 478.338+/-0.056 χ^2/NDF: 31935721.7/85

- sign 527.794+/-0.083 χ^2/NDF: 13764706.1/43

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: -555.421+/-718.476 χ^2/NDF: 15.1/20

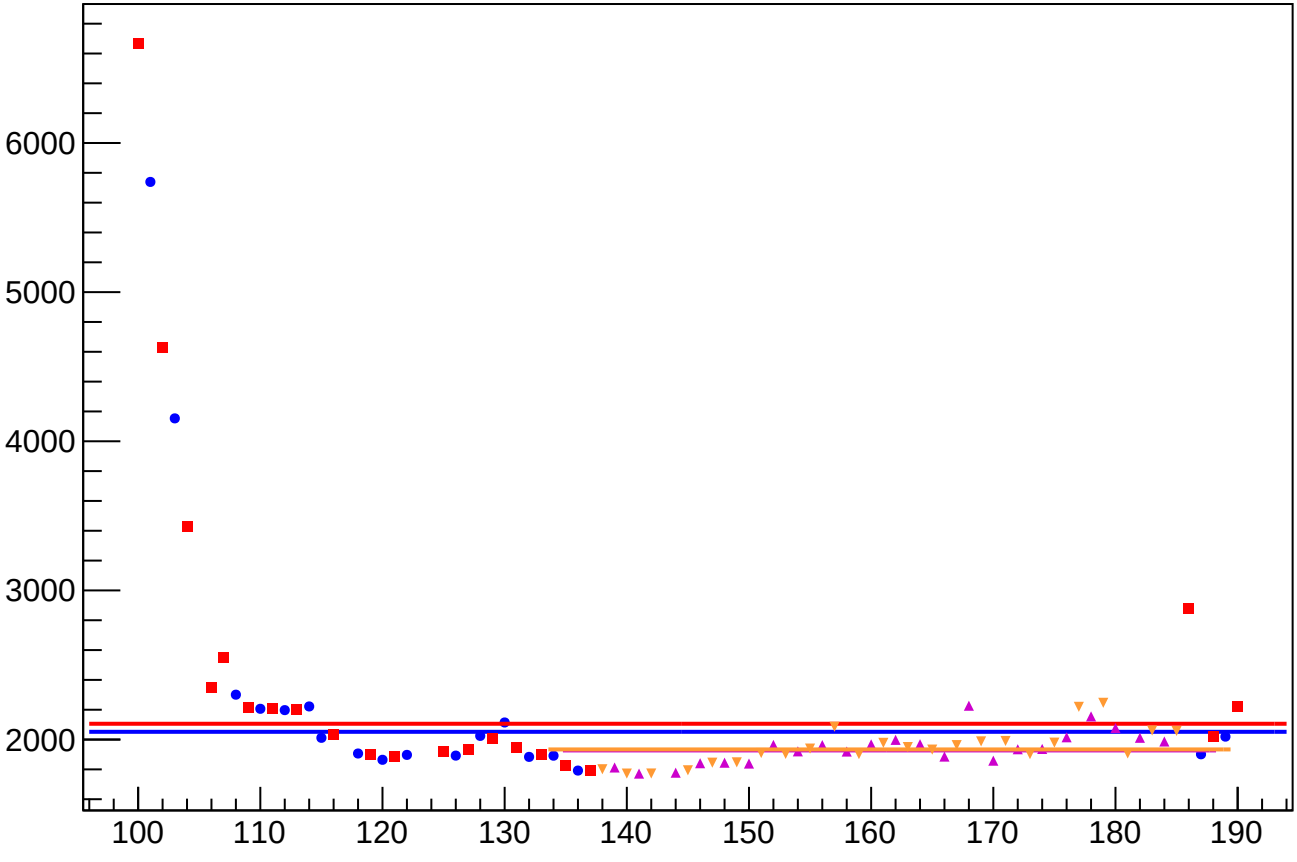
Left In: -25.575+/-450.755 χ^2/NDF:20.0/22

+ sign 164.799+/-385.726 χ^2/NDF: 56.4/41

All: -6.937+/-271.362 χ^2/NDF: 92.3/85

- sign -175.222+/-381.831 χ^2/NDF: 35.4/43

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

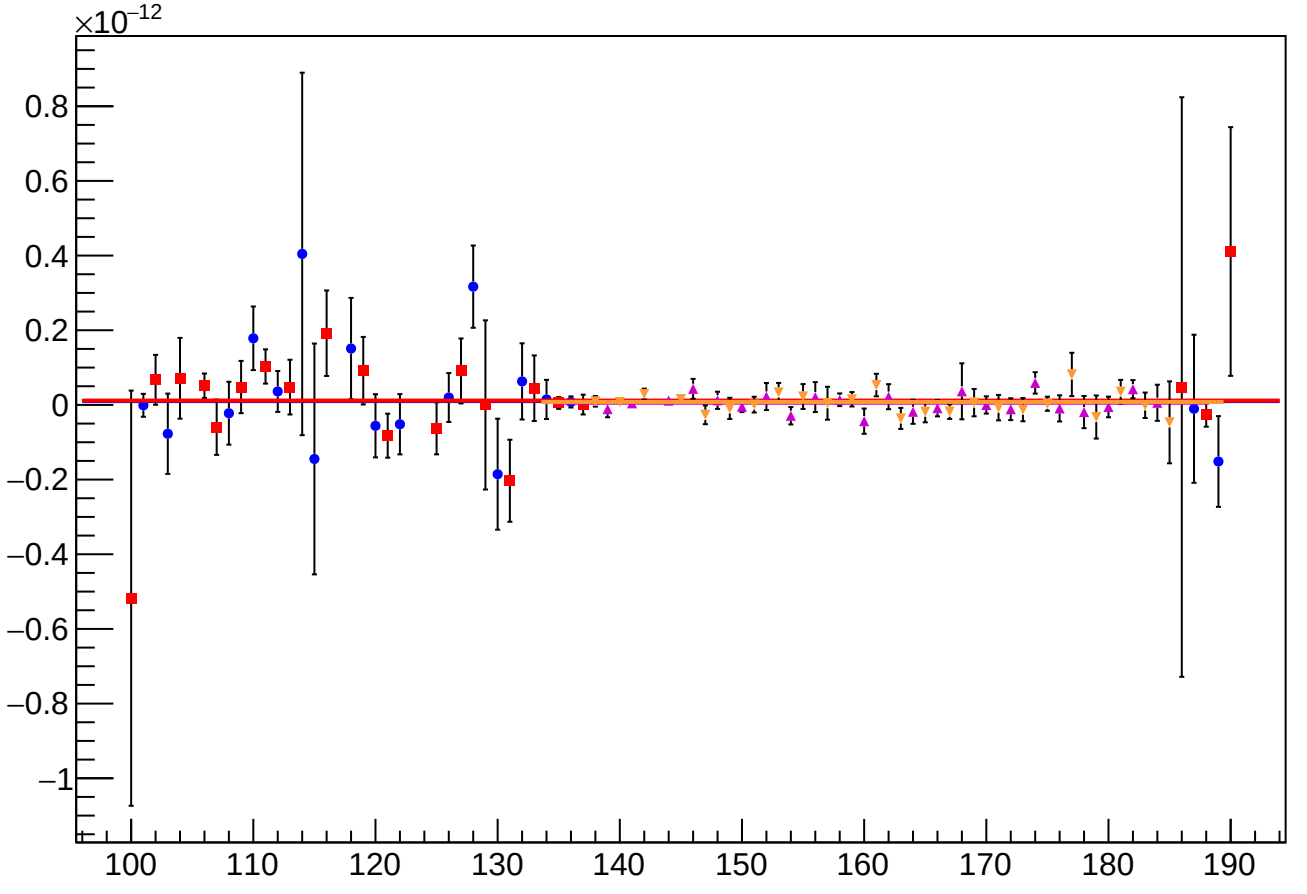
Right Out: 2105.930+/-0.508 χ^2/NDF: 747290.6/20

Left In: 1927.125+/-0.319 χ^2/NDF:116436.1/22

+ sign 1965.046+/-0.273 χ^2/NDF: 1107720.7/41

All: 1971.400+/-0.192 χ^2/NDF: 2061406.3/85

- sign 1977.626+/-0.270 χ^2/NDF: 952611.1/43



Right In: 0.000+/-0.000 χ^2/NDF: 19.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:17.3/23

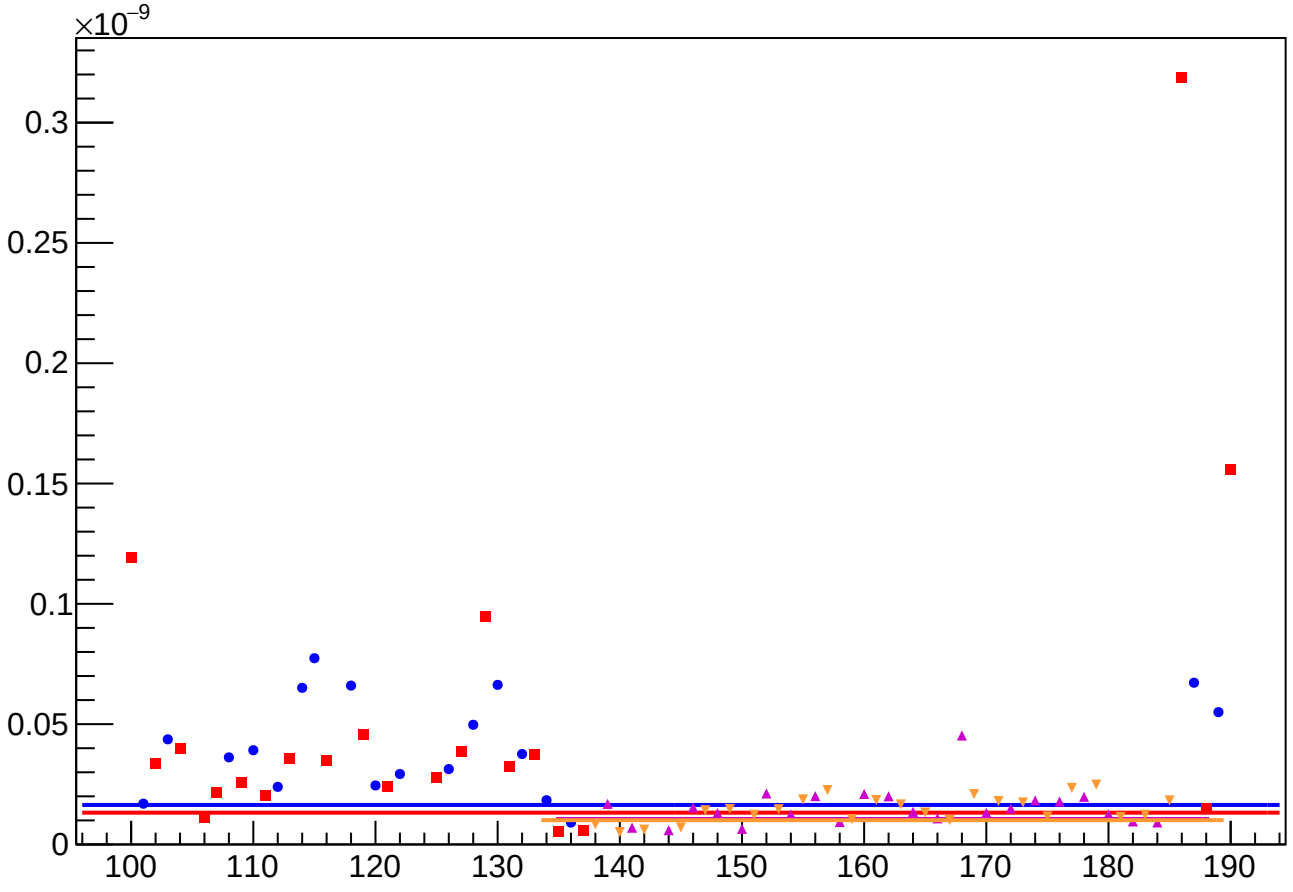
Right Out: 0.000+/-0.000 χ^2/NDF: 23.7/20

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: 78.0/85

- sign 0.000+/-0.000 χ^2/NDF: 40.7/43



Right In: 0.000+/-0.000 χ^2/NDF: 2272480.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:2274817.9/23

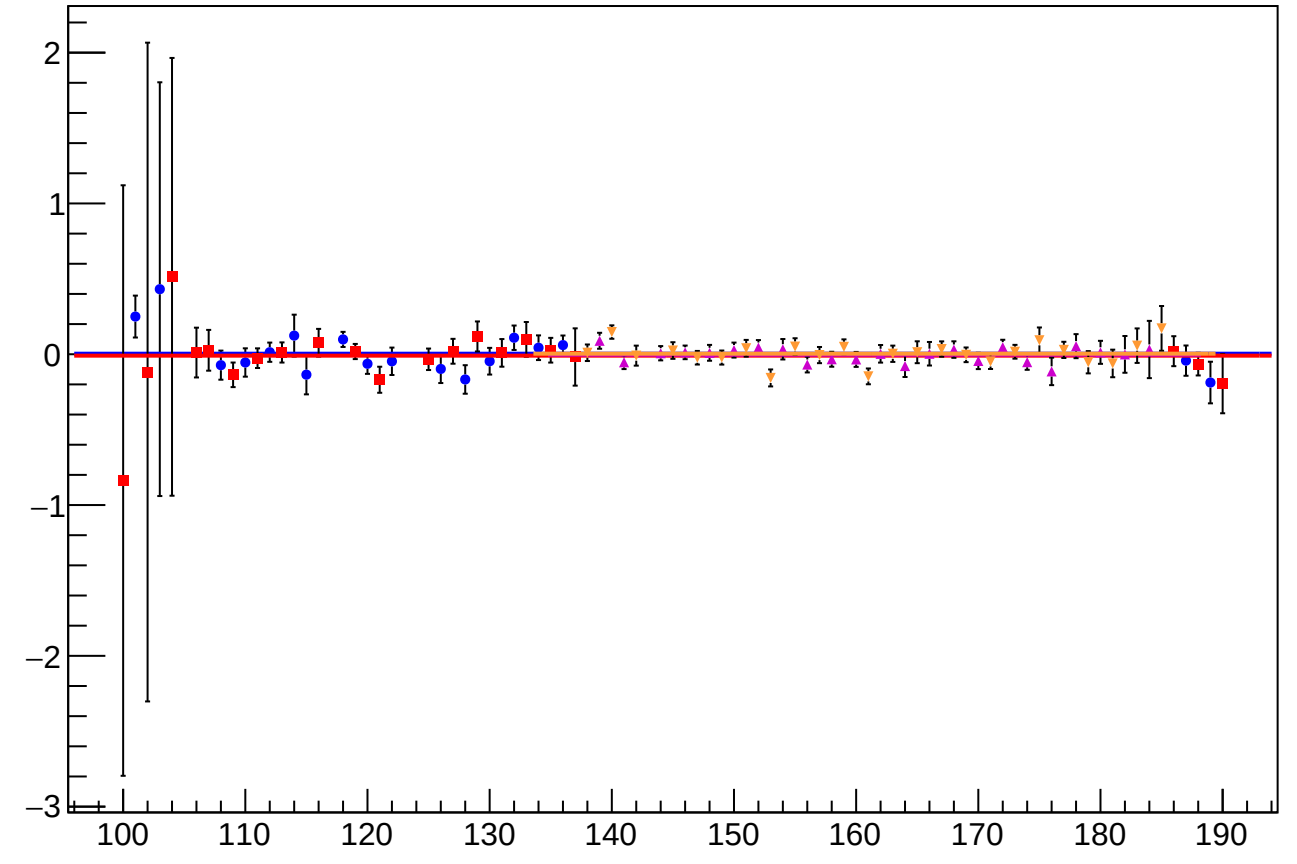
Right Out: 0.000+/-0.000 χ^2/NDF: 3172177.7/20

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: 10940743.8/85

- sign 0.000+/-0.000 χ^2/NDF: 5862624.7/43



Right In: 0.004+/-0.020 χ^2/NDF: 20.7/17

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

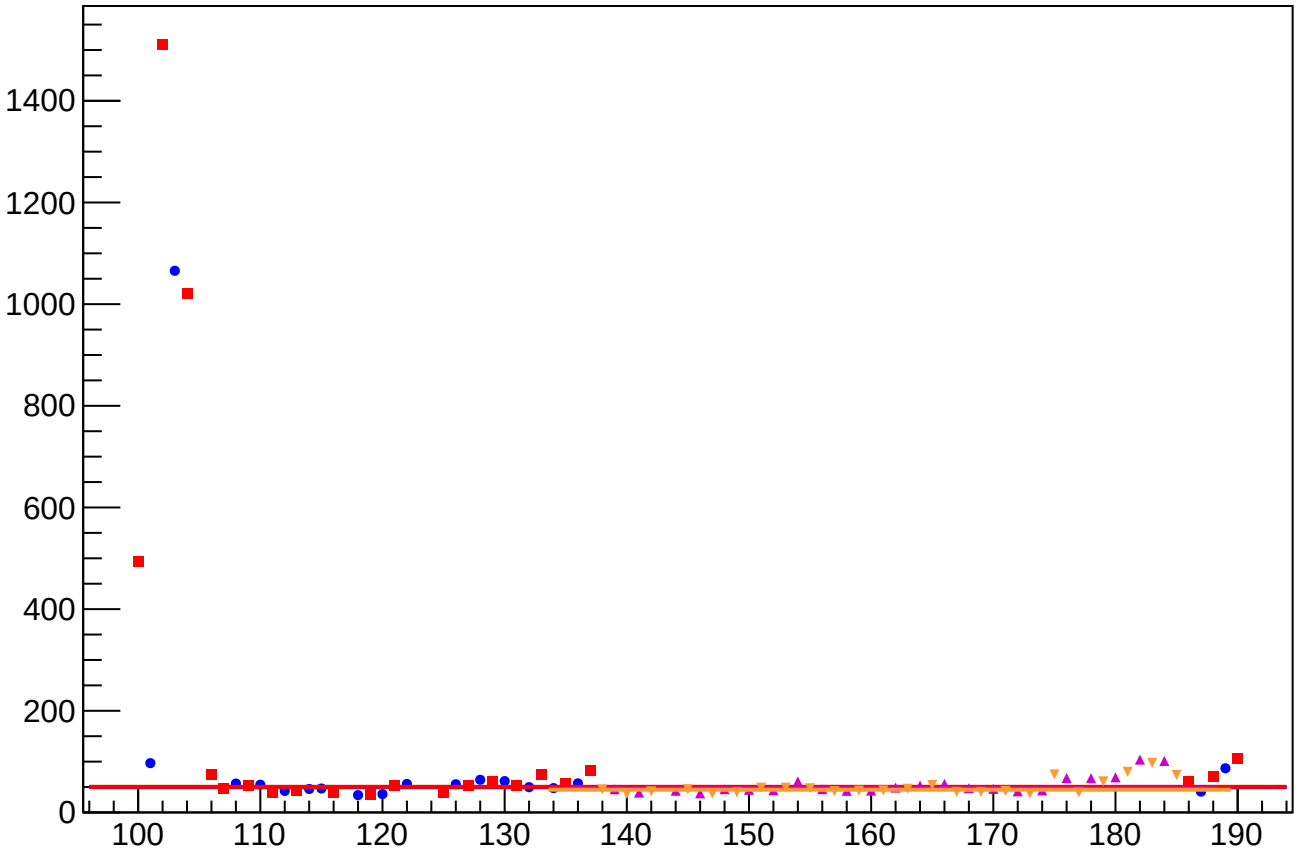
Right Out: -0.009+/-0.020 χ^2/NDF: 12.1/20

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: 82.7/85

- sign -0.004+/-0.010 χ^2/NDF: 26.6/43



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: 50.434+/-0.014 χ^2/NDF: 2781697.7/20

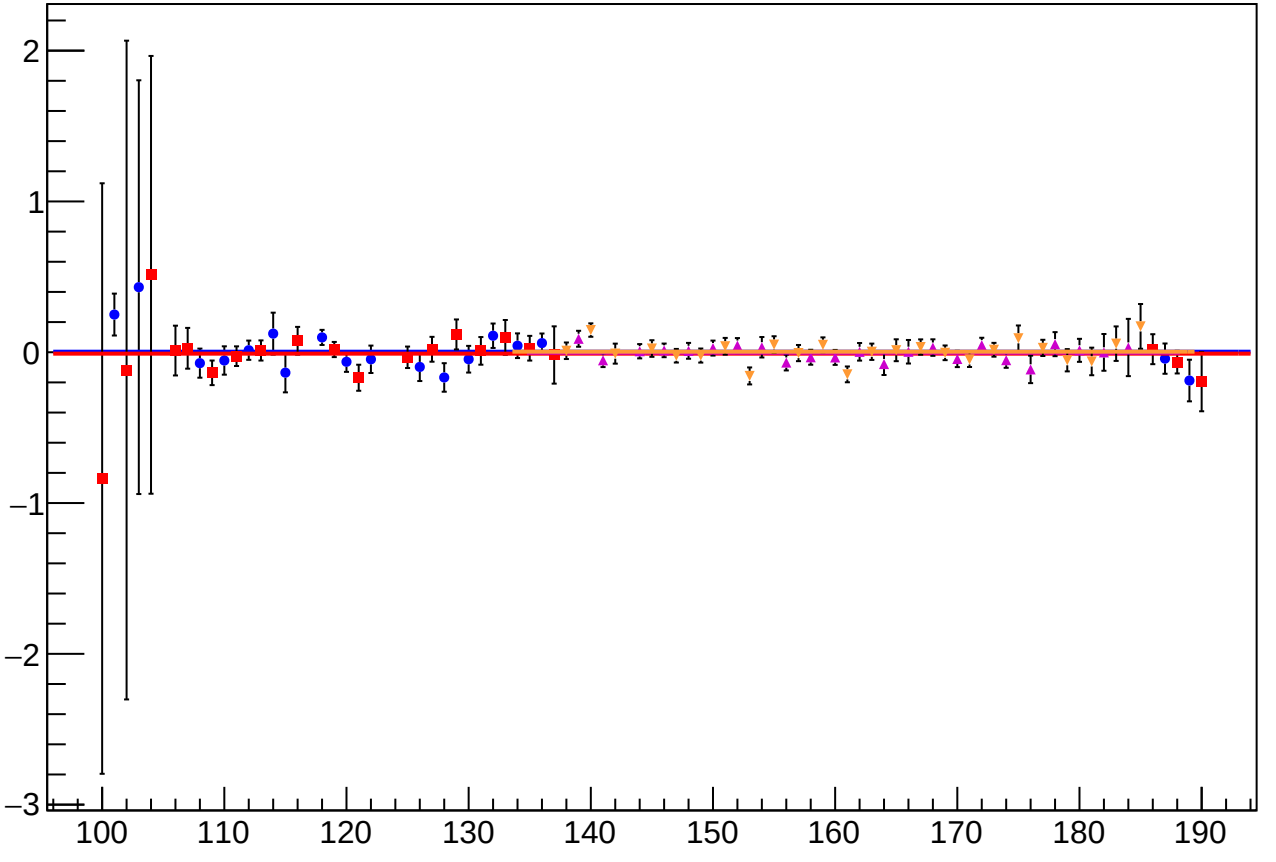
Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

+ sign 45.967+/-0.007 χ^2/NDF: 3513983.8/41

All: 46.918+/-0.005 χ^2/NDF: 7758046.4/85

- sign 47.919+/-0.007 χ^2/NDF: 4207010.5/43

asym_us_avg_at1lr_avg_dd_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

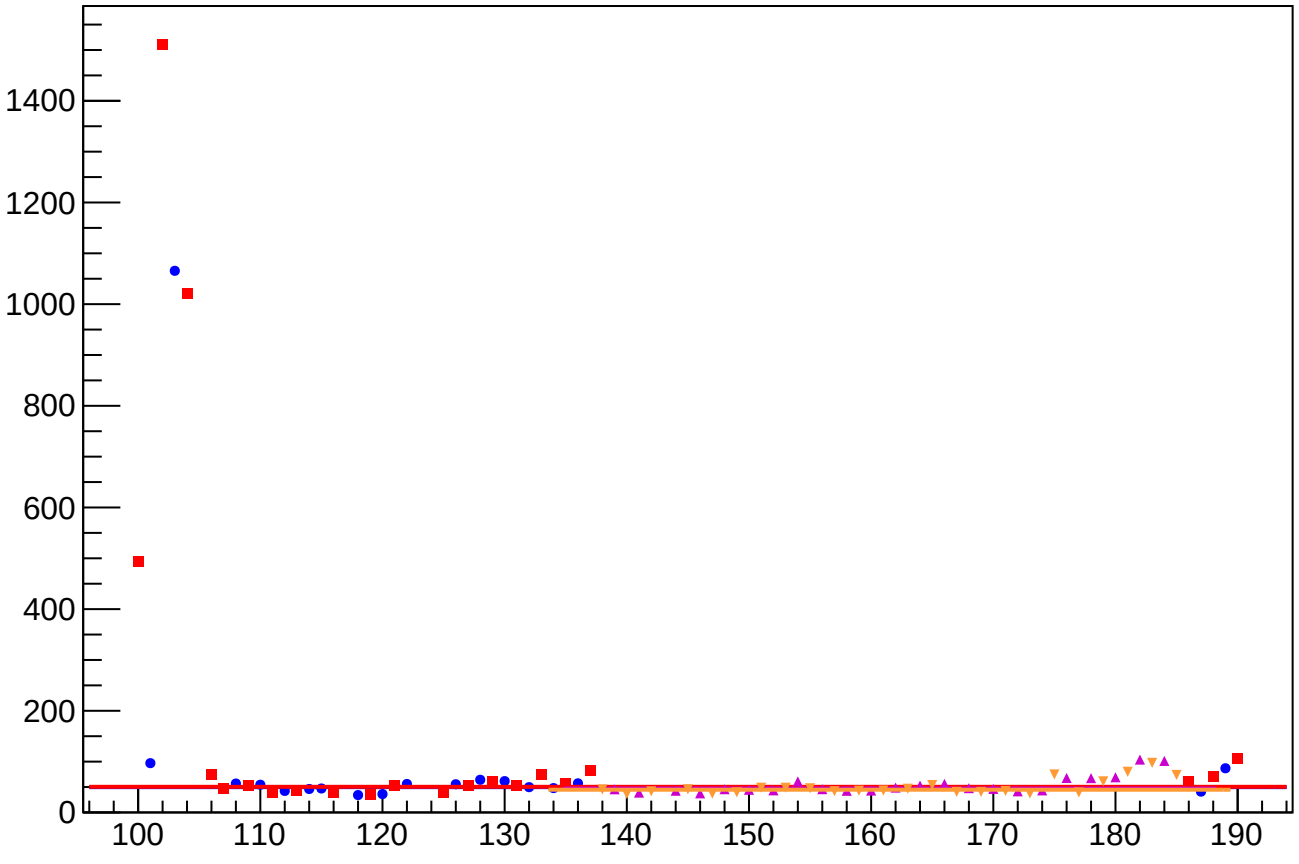
Right Out: -0.009+/-0.020 χ^2/NDF: 12.1/20

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: 82.7/85

- sign -0.004+/-0.010 χ^2/NDF: 26.6/43



Right In: 49.804+/-0.014 χ^2/NDF: 1938043.1/17

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

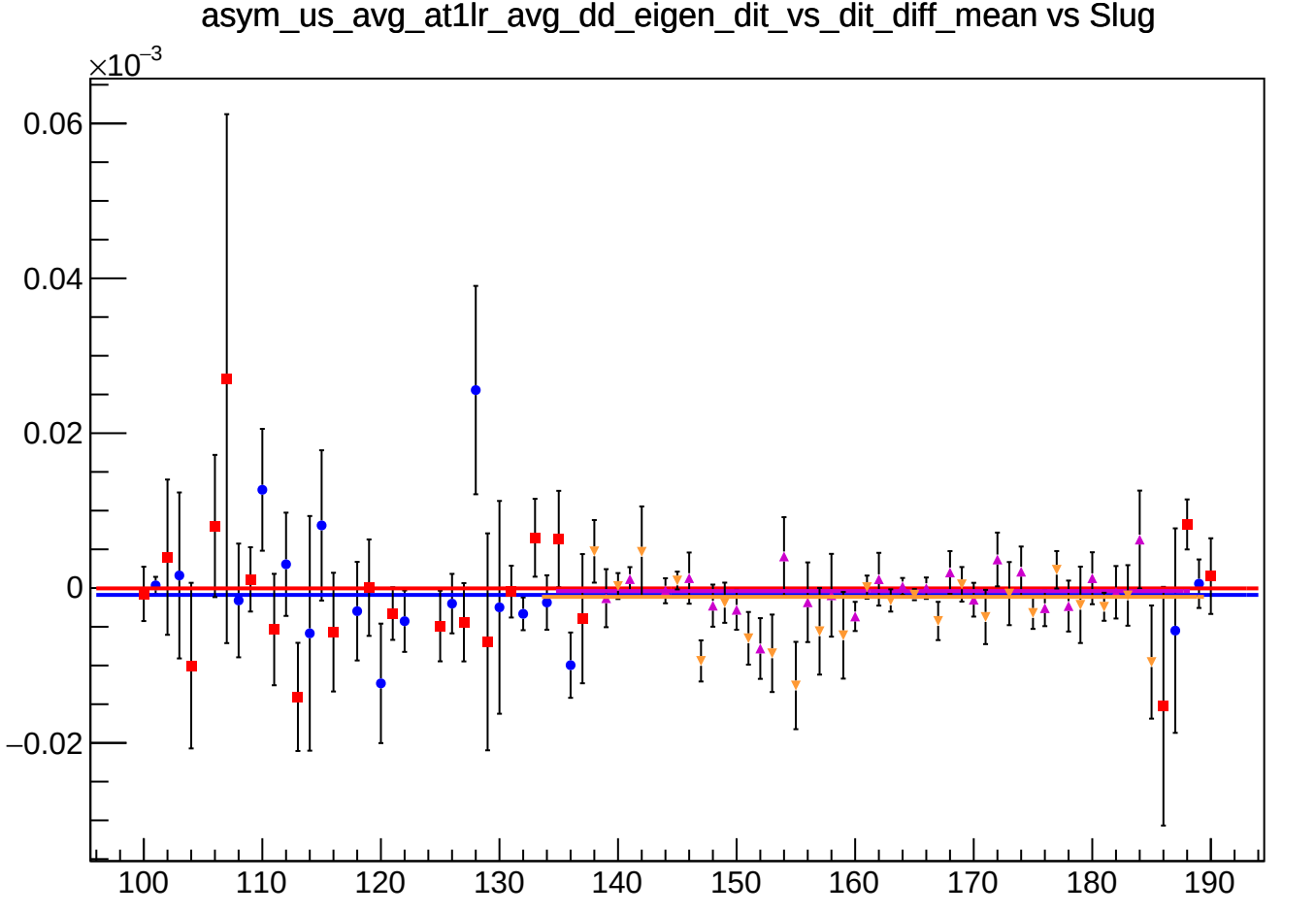
Right Out: 50.434+/-0.014 χ^2/NDF: 2781697.7/20

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

+ sign 45.967+/-0.007 χ^2/NDF: 3513983.8/41

All: 46.918+/-0.005 χ^2/NDF: 7758046.4/85

- sign 47.919+/-0.007 χ^2/NDF: 4207010.5/43



Right In: -0.000+/-0.000 χ^2/NDF: 19.0/17

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

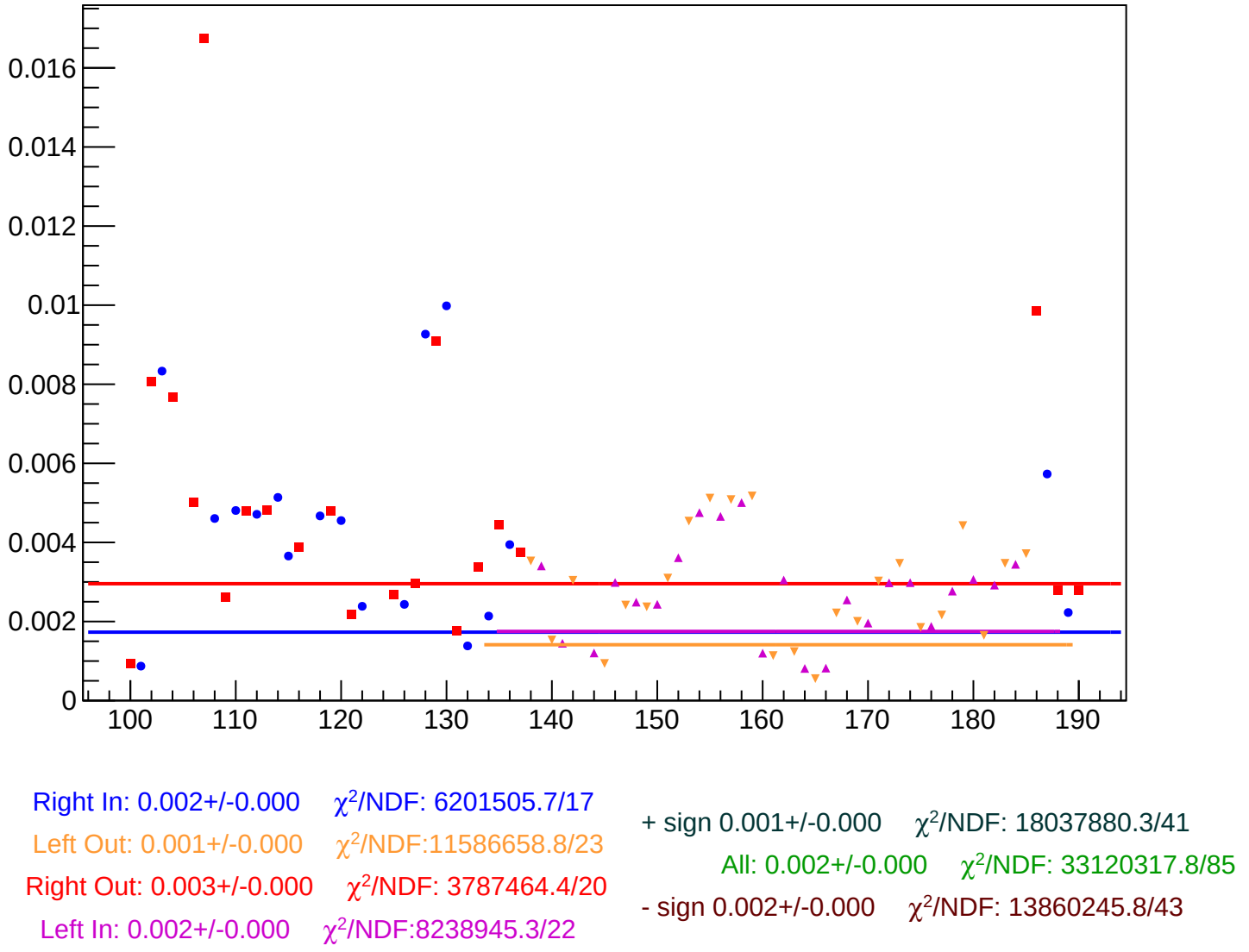
Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/20

Left In: -0.000+/-0.000 χ^2/NDF:16.3/22

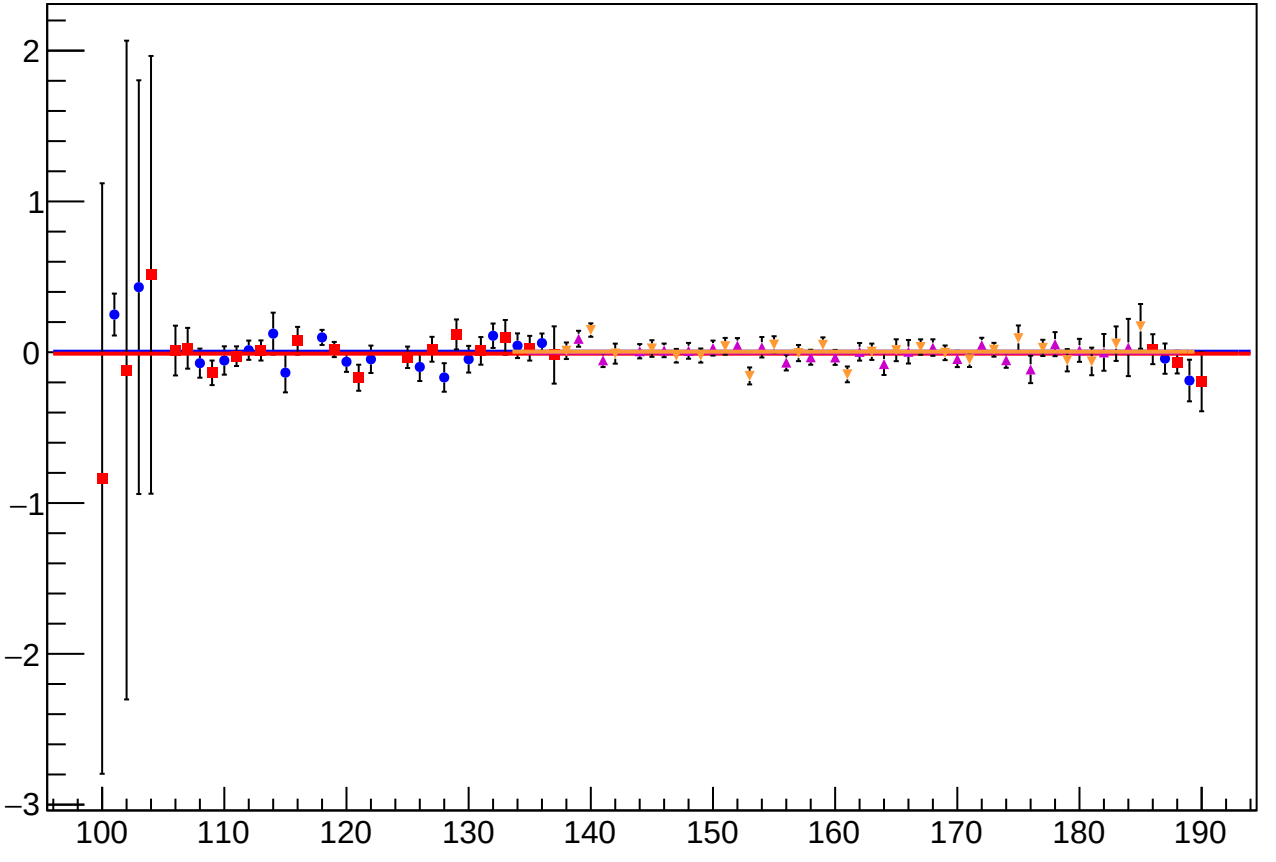
+ sign -0.000+/-0.000 χ^2/NDF: 54.8/41

All: -0.000+/-0.000 χ^2/NDF: 94.2/85

- sign -0.000+/-0.000 χ^2/NDF: 37.7/43


asym_us_avg_at1lr_avg_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: 0.002+/-0.000 χ²/NDF: 6201505.7/17
Left Out: 0.001+/-0.000 χ²/NDF:11586658.8/23
Right Out: 0.003+/-0.000 χ²/NDF: 3787464.4/20
Left In: 0.002+/-0.000 χ²/NDF:8238945.3/22
+ sign 0.001+/-0.000 χ²/NDF: 18037880.3/41
All: 0.002+/-0.000 χ²/NDF: 33120317.8/85
- sign 0.002+/-0.000 χ²/NDF: 13860245.8/43

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_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

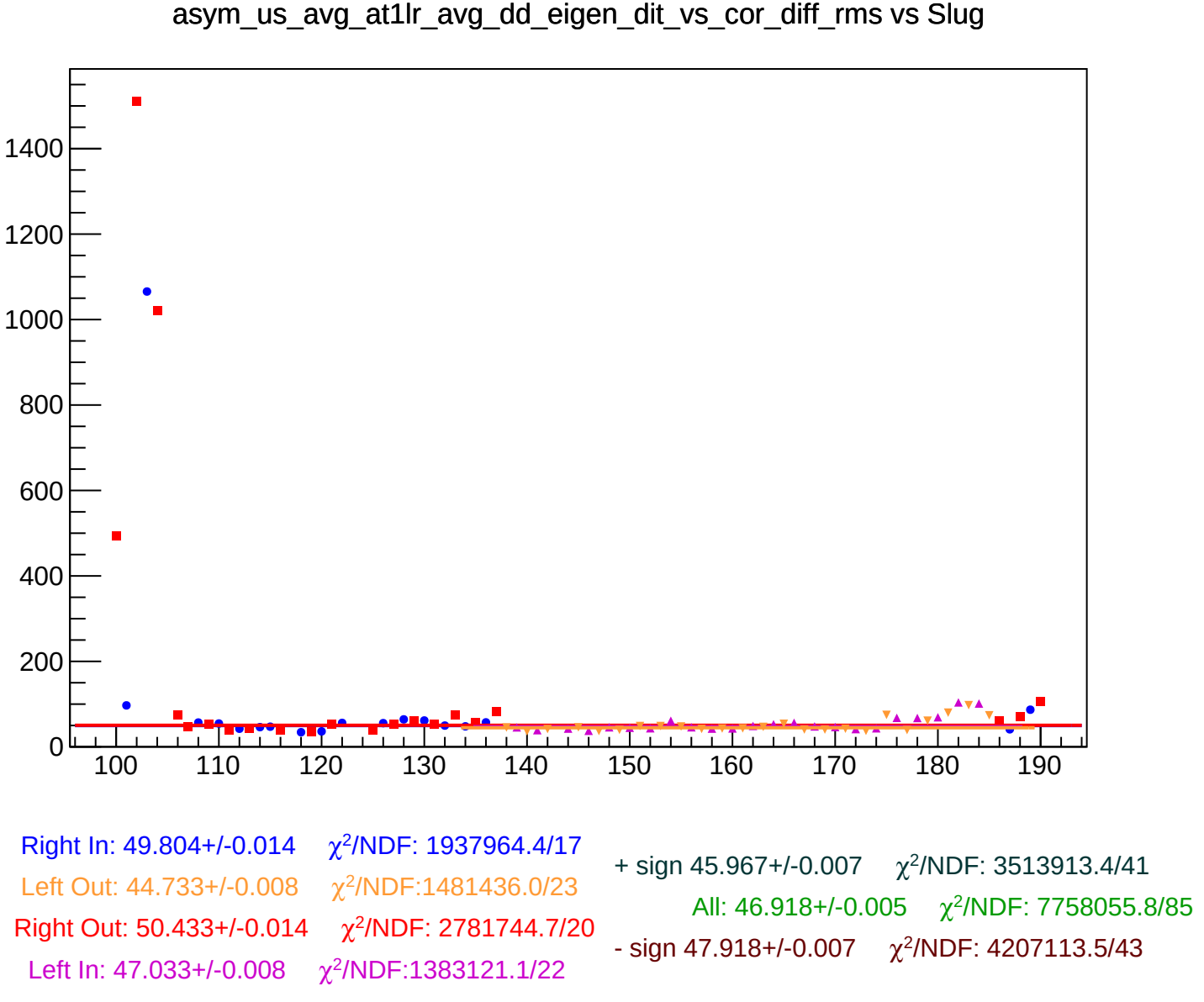
Right Out: -0.009+/-0.020 χ^2/NDF: 12.1/20

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

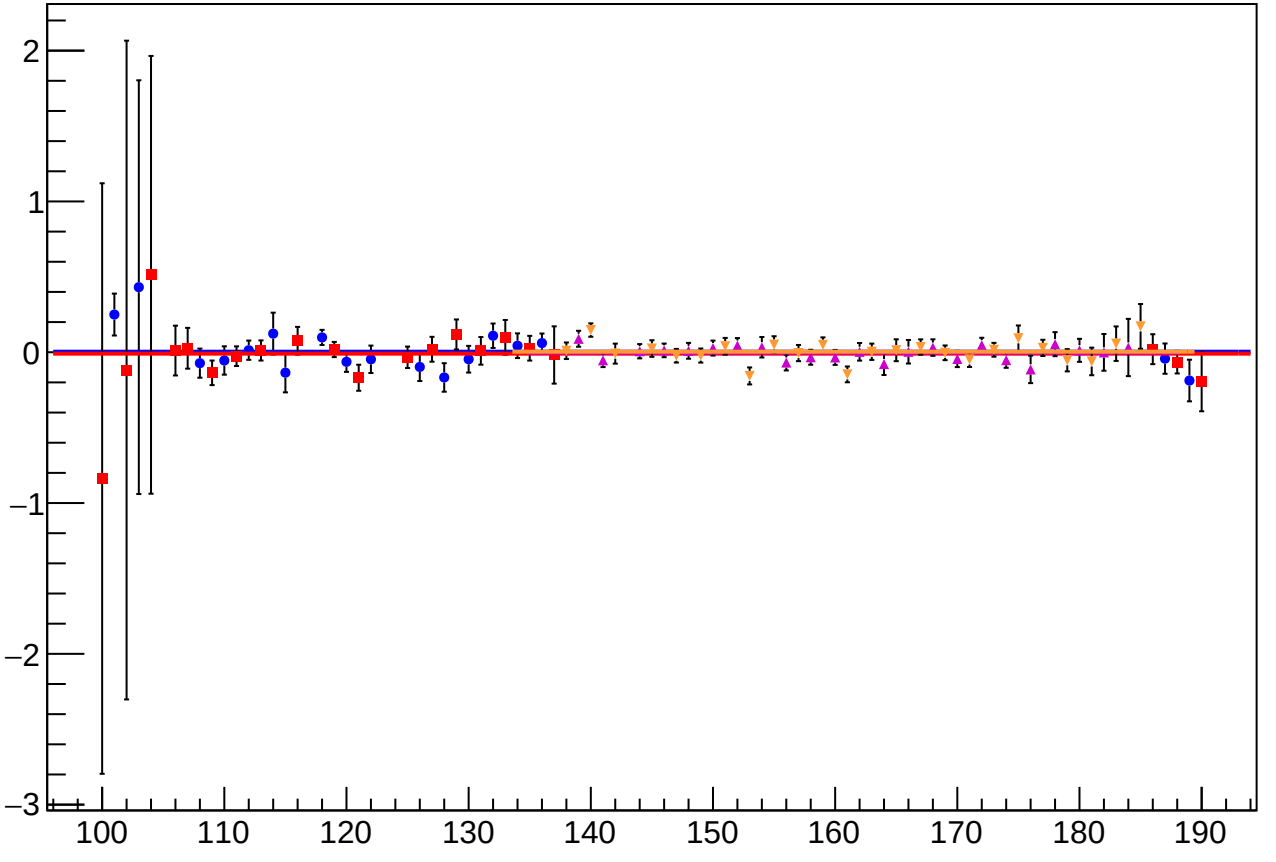
+ sign 0.004+/-0.010 χ^2/NDF: 55.7/41

All: -0.000+/-0.007 χ^2/NDF: 82.7/85

- sign -0.004+/-0.010 χ^2/NDF: 26.6/43


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug
1400
1200
1000
800
600
400
200
0
100
110
120
130
140
150
160
170
180
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: 50.433+/-0.014 χ²/NDF: 2781744.7/20
Left In: 47.033+/-0.008 χ²/NDF:1383121.1/22
+ sign 45.967+/-0.007 χ²/NDF: 3513913.4/41
All: 46.918+/-0.005 χ²/NDF: 7758055.8/85
- sign 47.918+/-0.007 χ²/NDF: 4207113.5/43

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

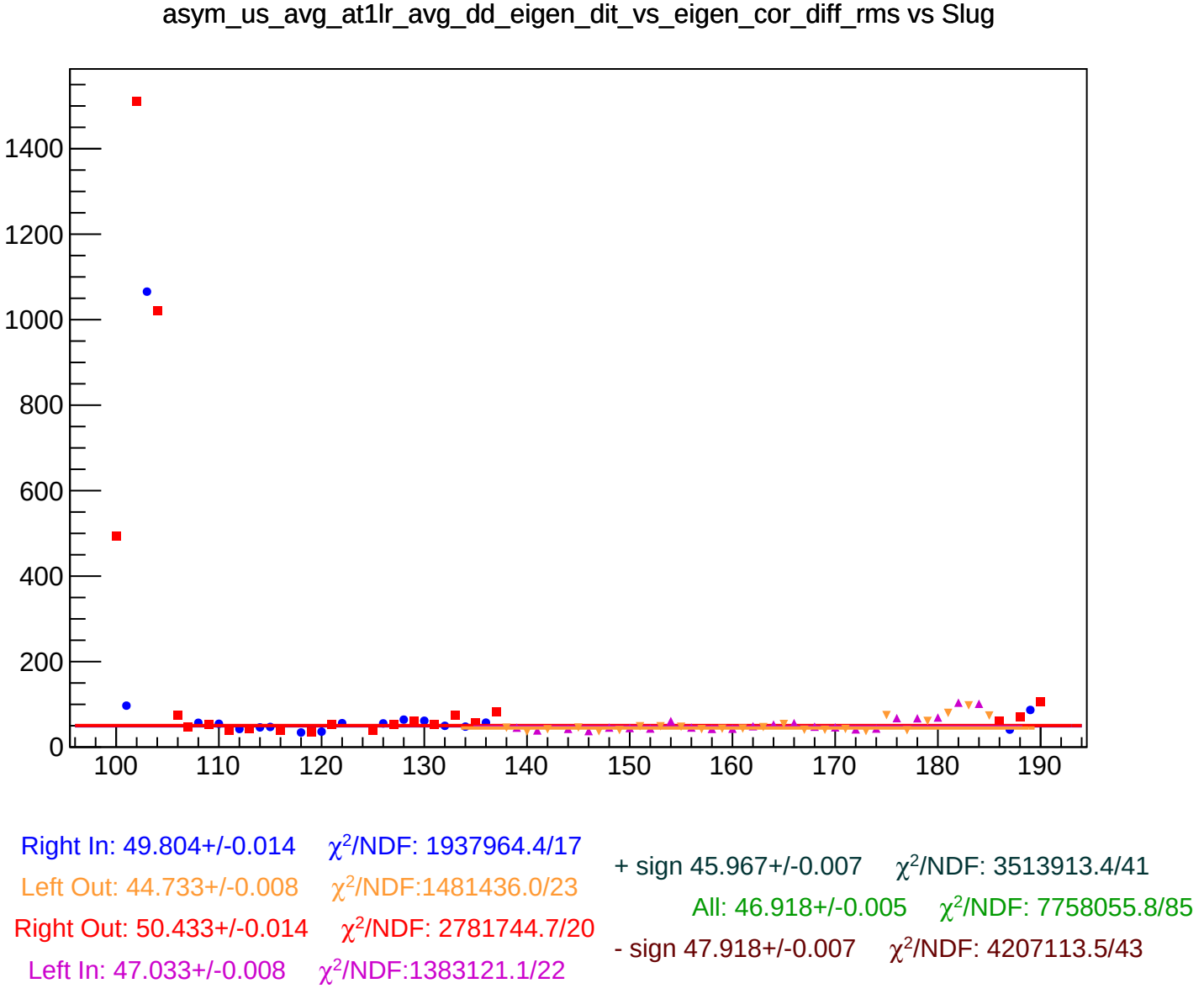
Right Out: -0.009+/-0.020 χ^2/NDF: 12.1/20

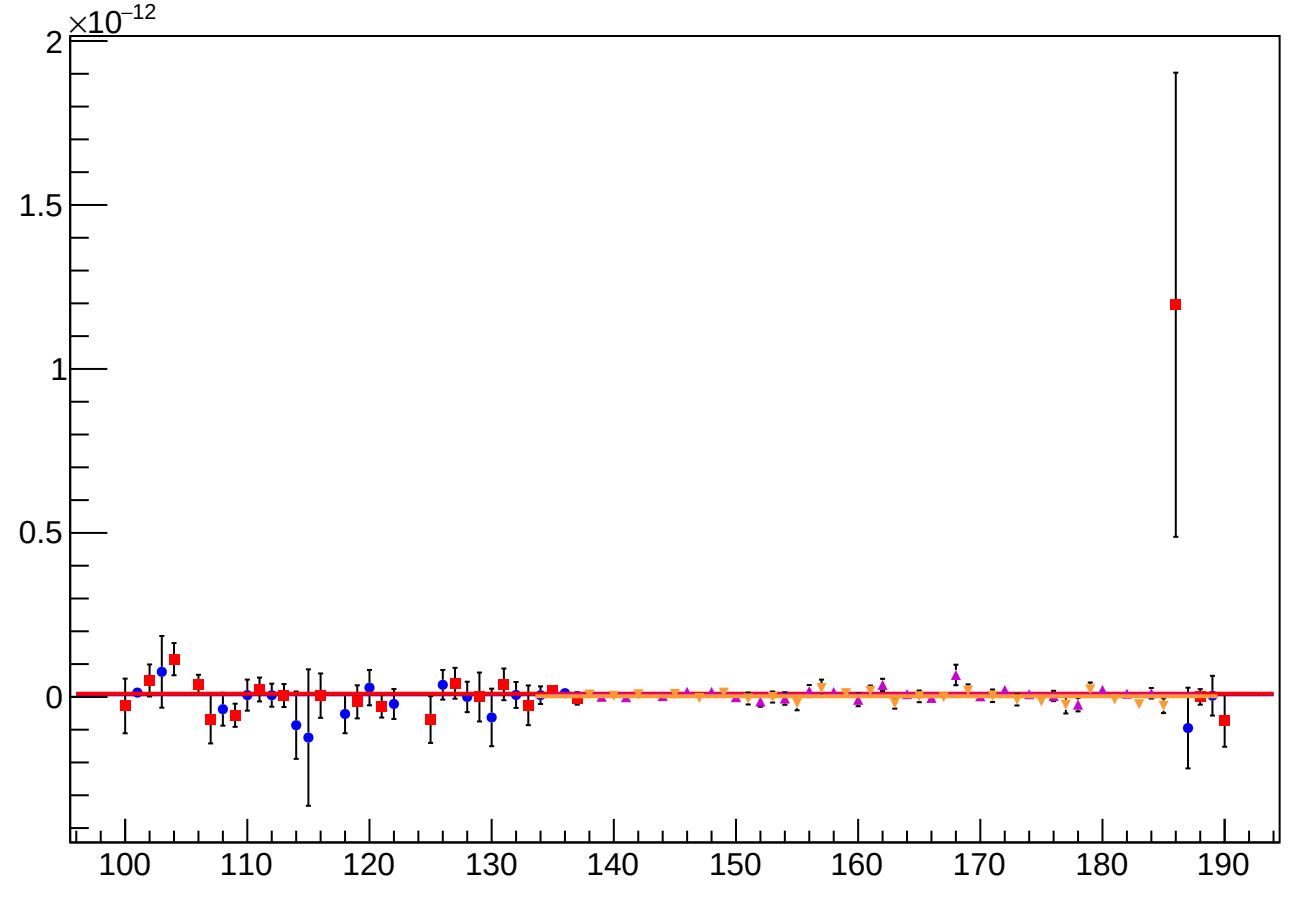
Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.004+/-0.010 χ^2/NDF: 55.7/41

All: -0.000+/-0.007 χ^2/NDF: 82.7/85

- sign -0.004+/-0.010 χ^2/NDF: 26.6/43


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1400
1200
1000
800
600
400
200
0
100
110
120
130
140
150
160
170
180
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: 50.433+/-0.014 χ²/NDF: 2781744.7/20
Left In: 47.033+/-0.008 χ²/NDF:1383121.1/22
+ sign 45.967+/-0.007 χ²/NDF: 3513913.4/41
All: 46.918+/-0.005 χ²/NDF: 7758055.8/85
- sign 47.918+/-0.007 χ²/NDF: 4207113.5/43



Right In: 0.000+/-0.000 χ^2/NDF: 6.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/23

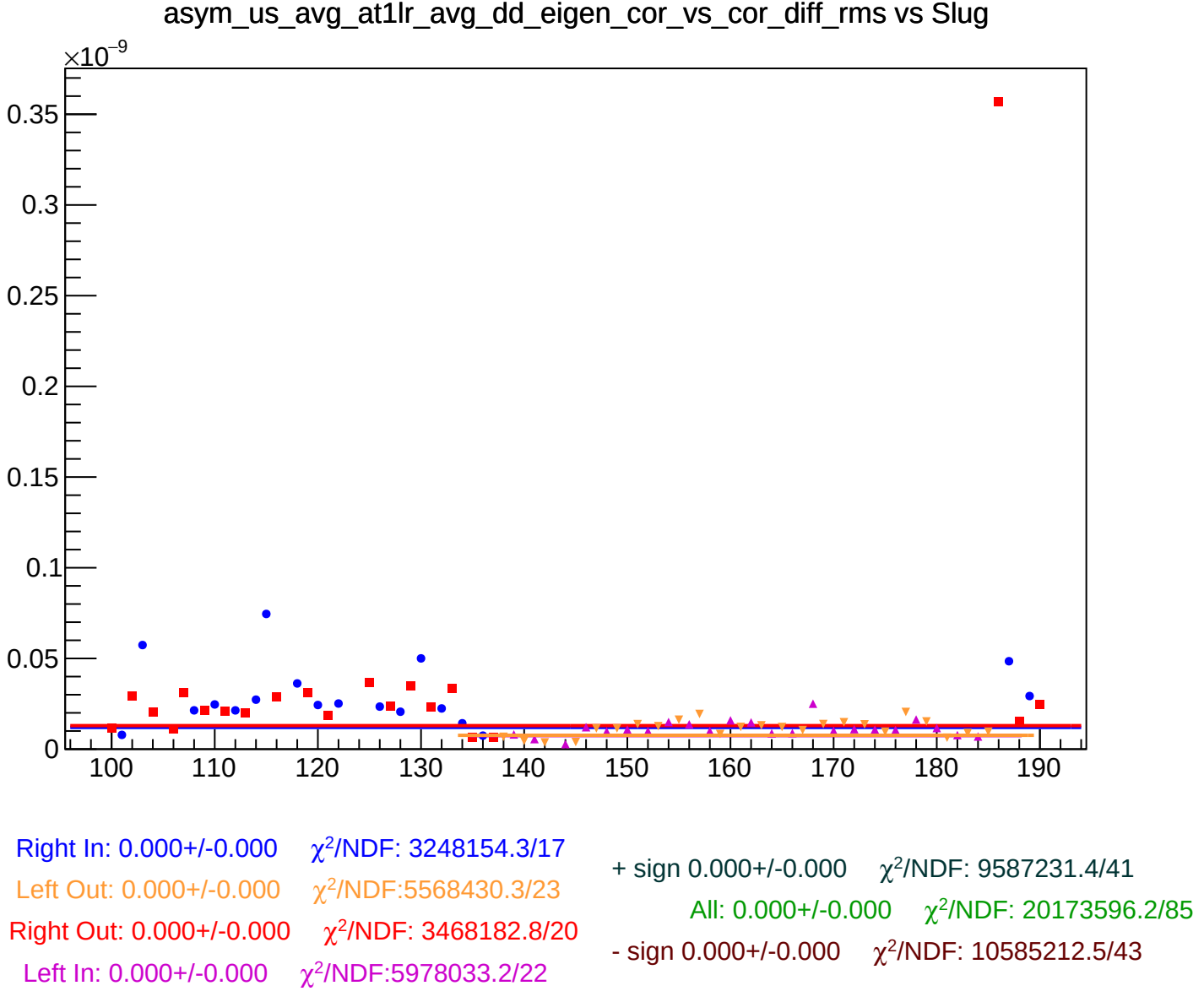
Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/20

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

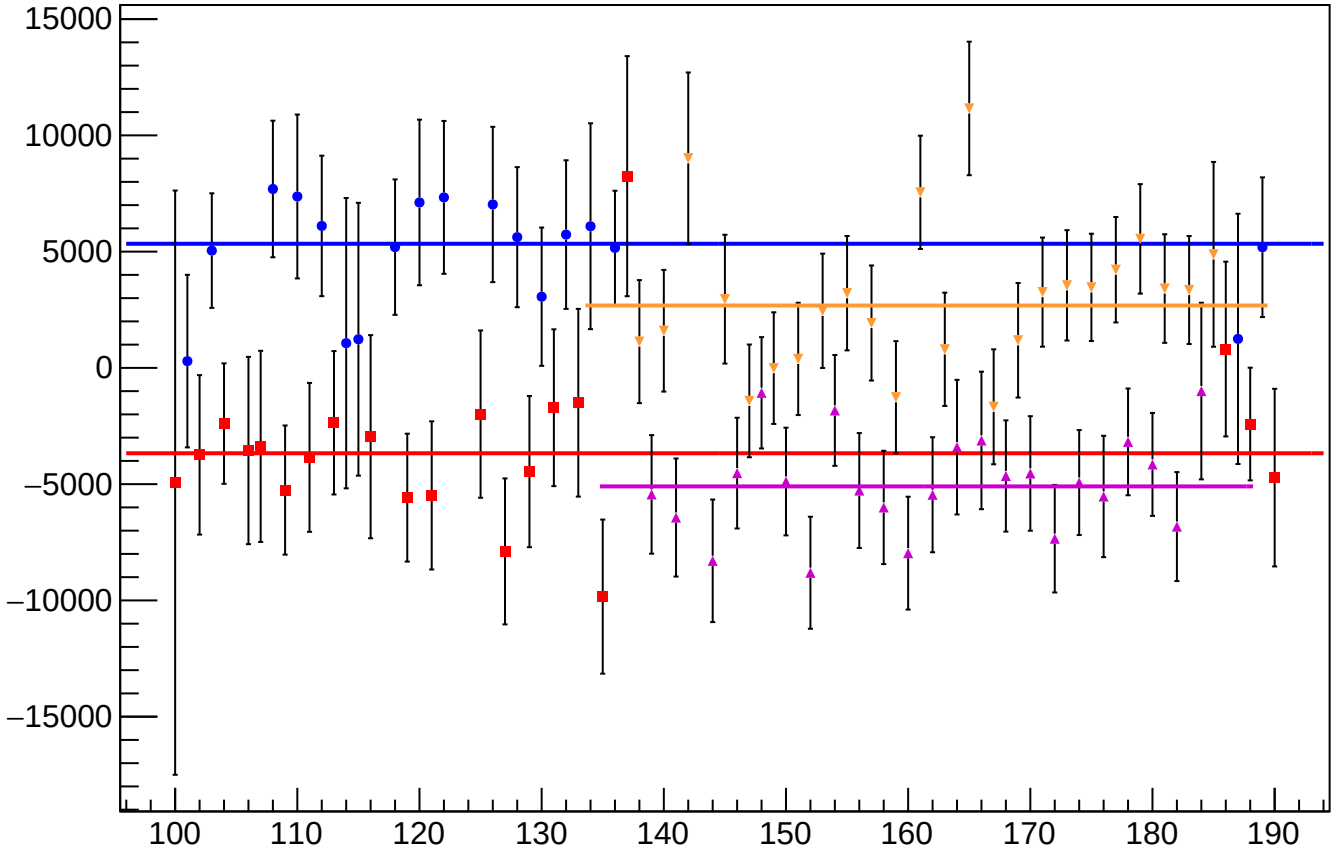
+ sign 0.000+/-0.000 χ^2/NDF: 27.5/41

All: 0.000+/-0.000 χ^2/NDF: 66.9/85

- sign 0.000+/-0.000 χ^2/NDF: 38.5/43


asym_us_avg_at1lr_avg_dd_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: 3248154.3/17
Left Out: 0.000+/-0.000 χ²/NDF:5568430.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 3468182.8/20
Left In: 0.000+/-0.000 χ²/NDF:5978033.2/22
+ sign 0.000+/-0.000 χ²/NDF: 9587231.4/41
All: 0.000+/-0.000 χ²/NDF: 20173596.2/85
- sign 0.000+/-0.000 χ²/NDF: 10585212.5/43

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: -3671.125+/-737.713 χ^2/NDF: 14.9/20

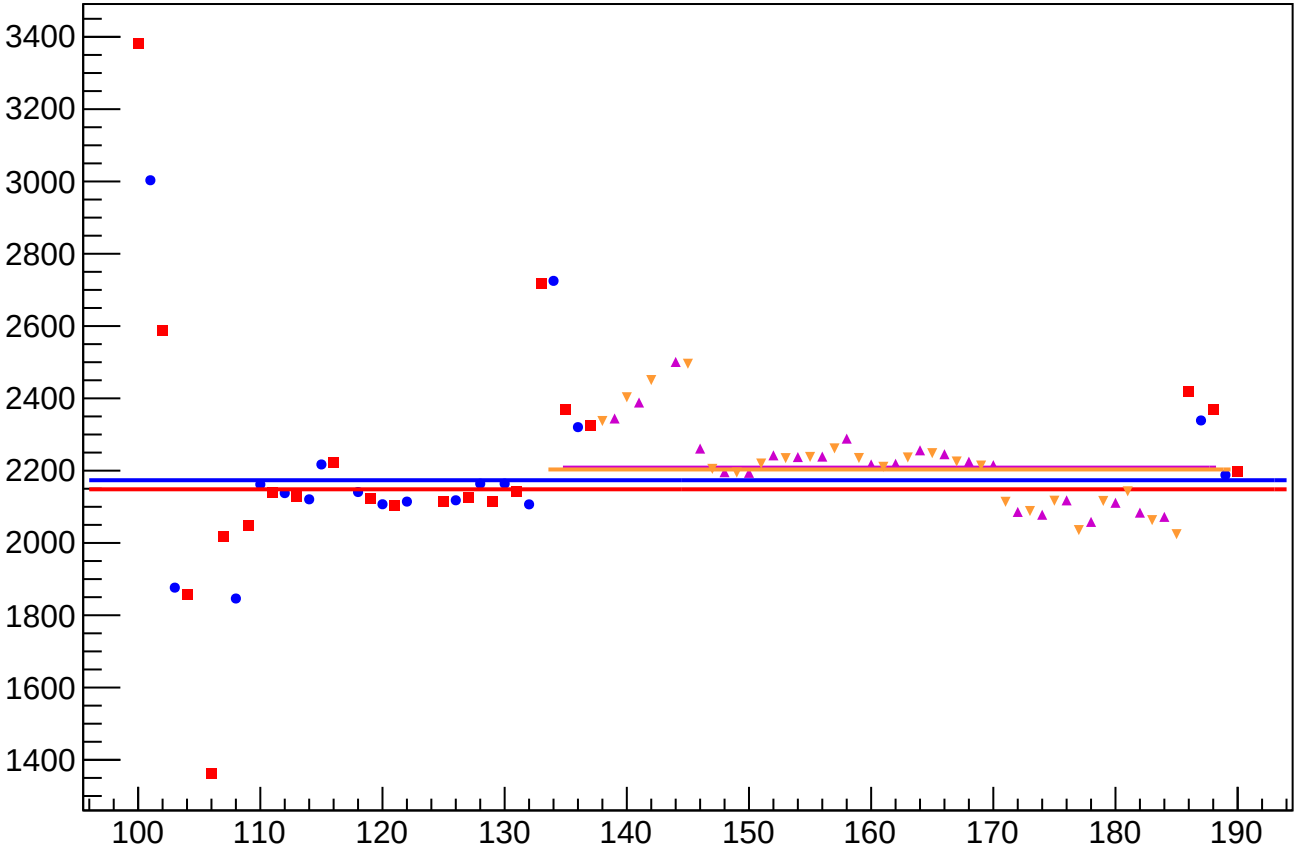
Left In: -5096.427+/-516.232 χ^2/NDF:14.9/22

+ sign 3488.038+/-427.398 χ^2/NDF: 44.9/41

All: -612.303+/-300.634 χ^2/NDF: 259.4/85

- sign -4627.907+/-422.959 χ^2/NDF: 32.3/43

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

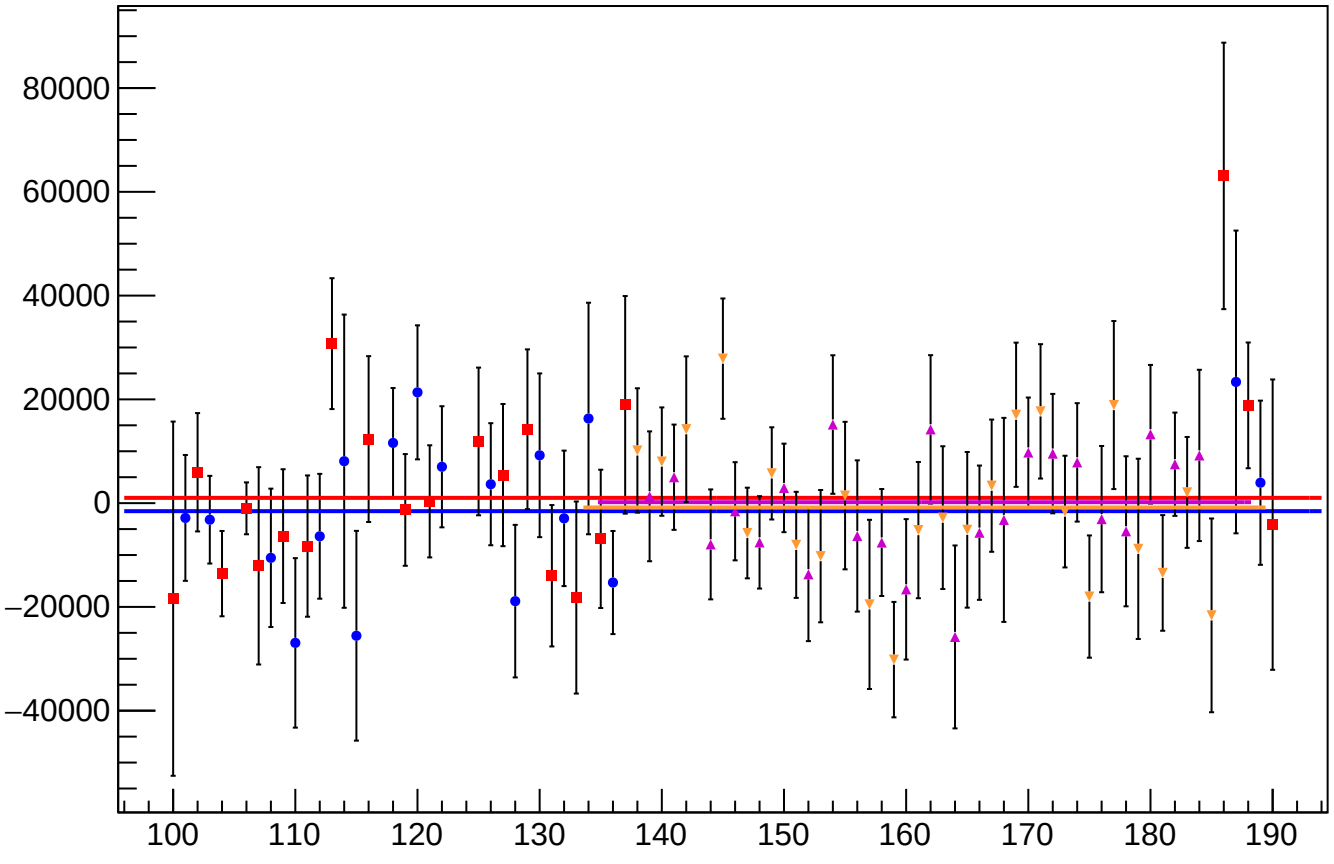
Right Out: 2148.395+/-0.515 χ^2/NDF: 299106.7/20

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2194.275+/-0.302 χ^2/NDF: 287920.0/41

All: 2191.246+/-0.212 χ^2/NDF: 677255.0/85

- sign 2188.306+/-0.298 χ^2/NDF: 389137.1/43



Right In: -1547.058+/-3129.721 χ^2/NDF: 15.3/17

Left Out: -833.485+/-2481.469 χ^2/NDF:29.5/23

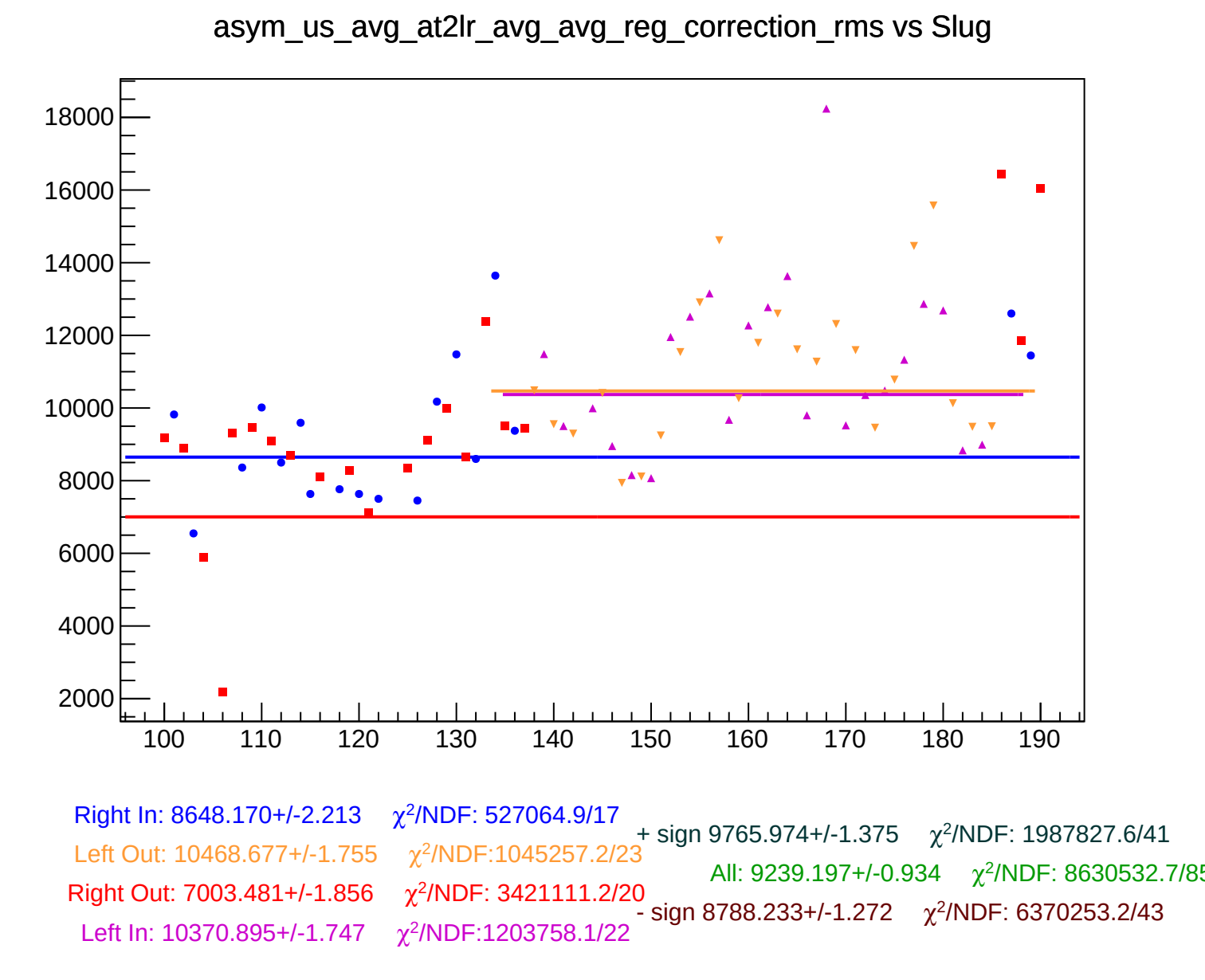
Right Out: 1018.791+/-2624.260 χ^2/NDF: 24.0/20

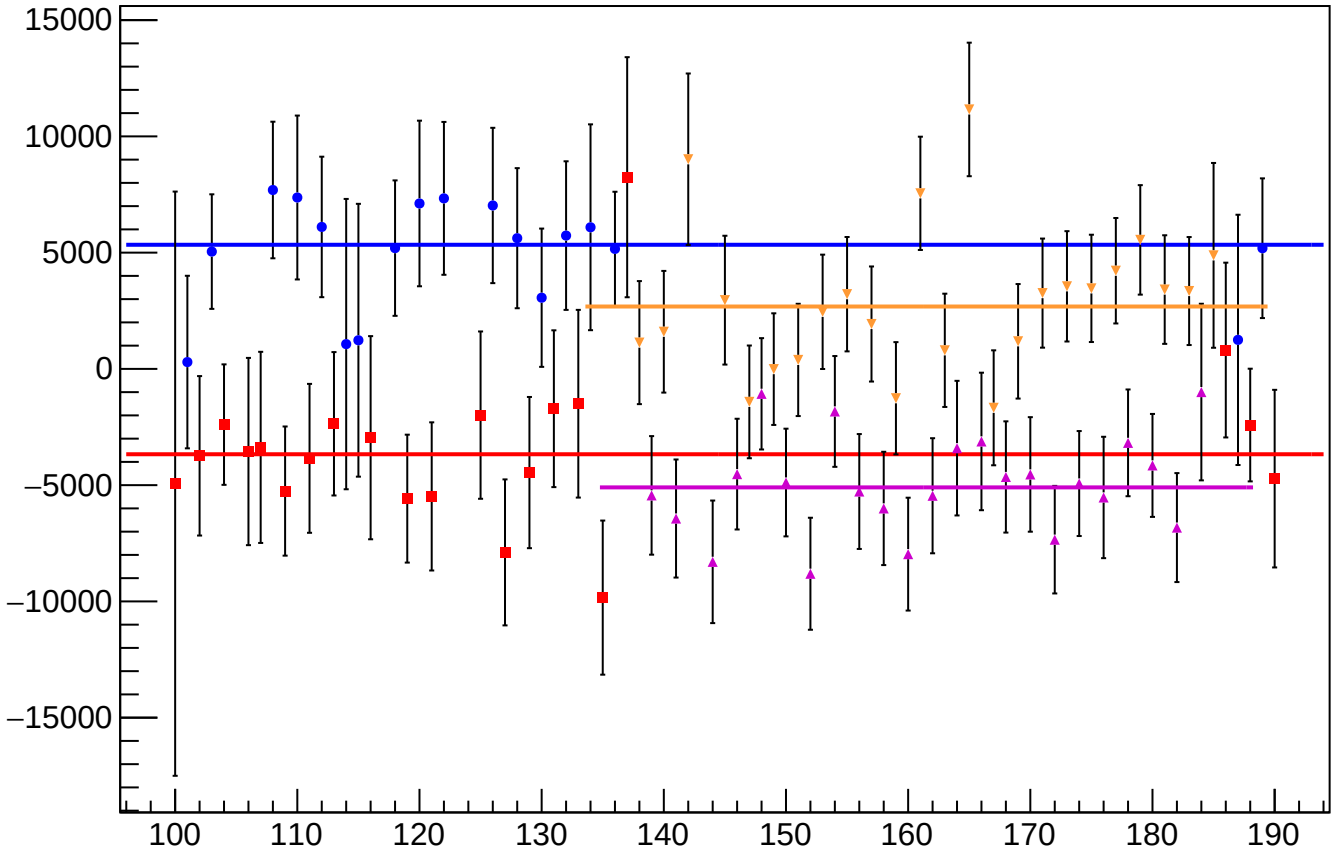
Left In: 182.426+/-2471.223 χ^2/NDF:13.8/22

+ sign -1108.919+/-1944.444 χ^2/NDF: 44.8/41

All: -201.398+/-1320.548 χ^2/NDF: 83.0/85

- sign 575.512+/-1799.089 χ^2/NDF: 37.8/43


asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
110
120
130
140
150
160
170
180
190
Right In: 8648.170+/-2.213 χ²/NDF: 527064.9/17
Left Out: 10468.677+/-1.755 χ²/NDF:1045257.2/23
Right Out: 7003.481+/-1.856 χ²/NDF: 3421111.2/20
Left In: 10370.895+/-1.747 χ²/NDF:1203758.1/22
+ sign 9765.974+/-1.375 χ²/NDF: 1987827.6/41
All: 9239.197+/-0.934 χ²/NDF: 8630532.7/85
- sign 8788.233+/-1.272 χ²/NDF: 6370253.2/43



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: -3670.894+/-737.713 χ^2/NDF: 14.9/20

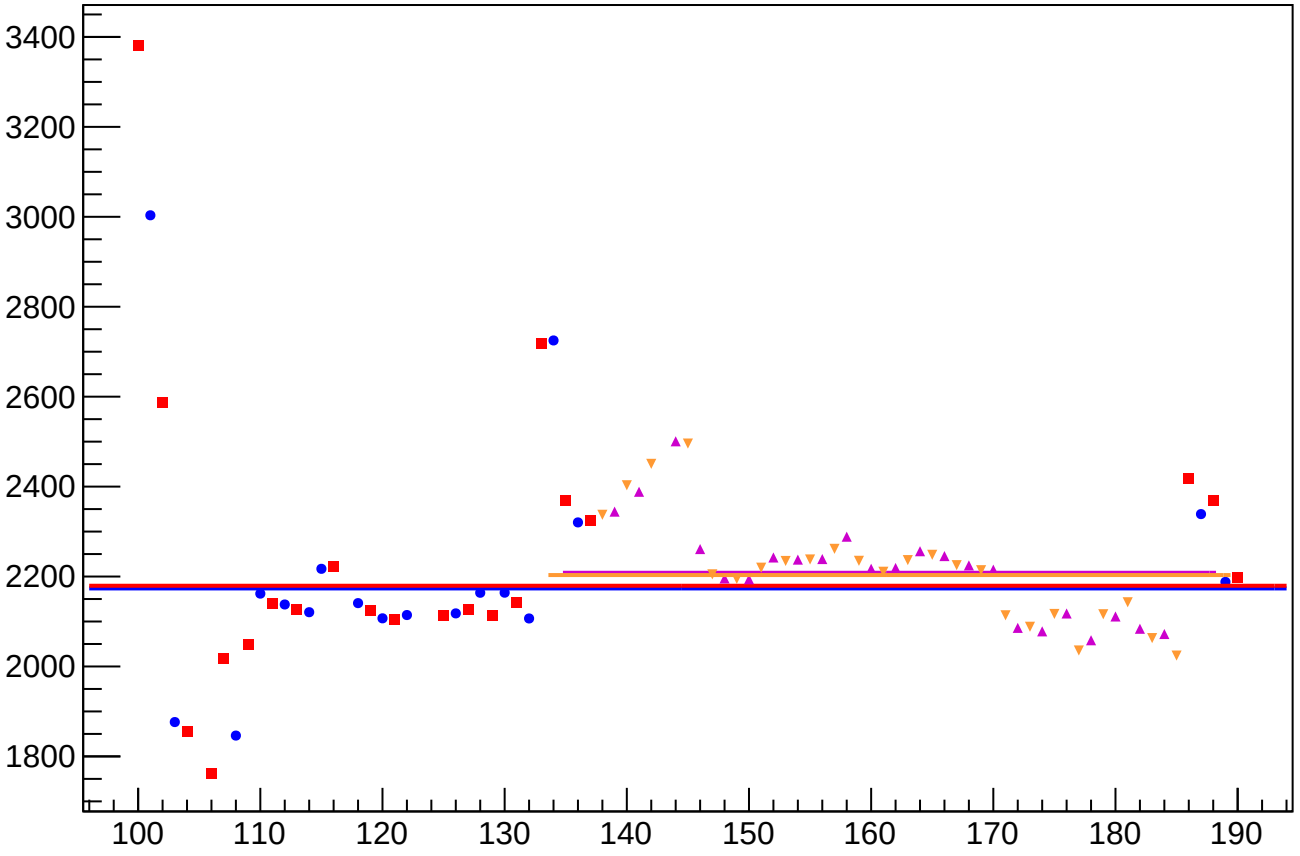
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3488.040+/-427.398 χ^2/NDF: 44.9/41

All: -612.232+/-300.634 χ^2/NDF: 259.4/85

- sign -4627.769+/-422.959 χ^2/NDF: 32.3/43

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

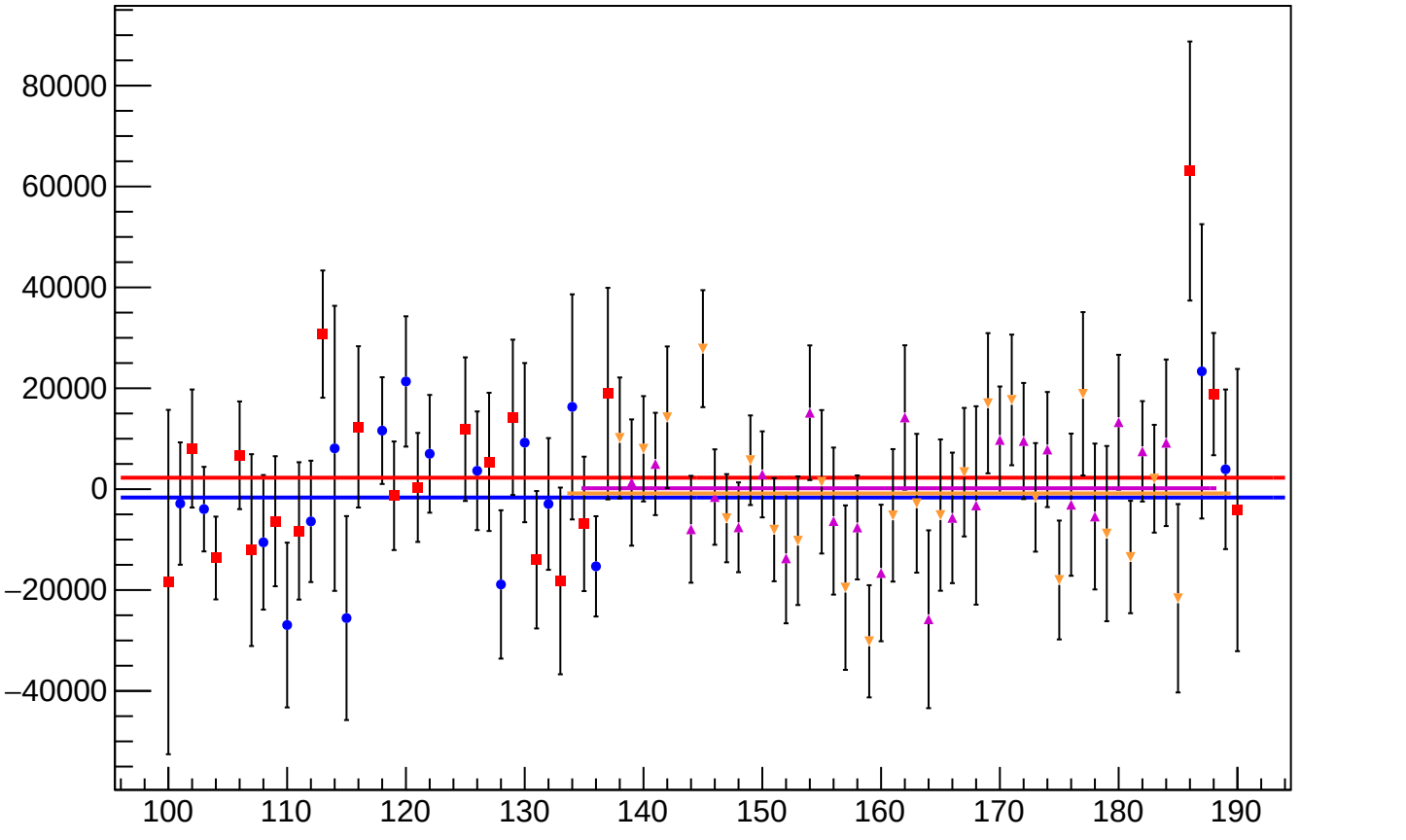
Right Out: 2179.521+/-0.519 χ^2/NDF: 181297.8/20

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2194.275+/-0.302 χ^2/NDF: 287920.4/41

All: 2196.585+/-0.212 χ^2/NDF: 552393.9/85

- sign 2198.840+/-0.299 χ^2/NDF: 264358.1/43



Right In: -1656.787+/-3126.420 χ^2/NDF: 15.3/17

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

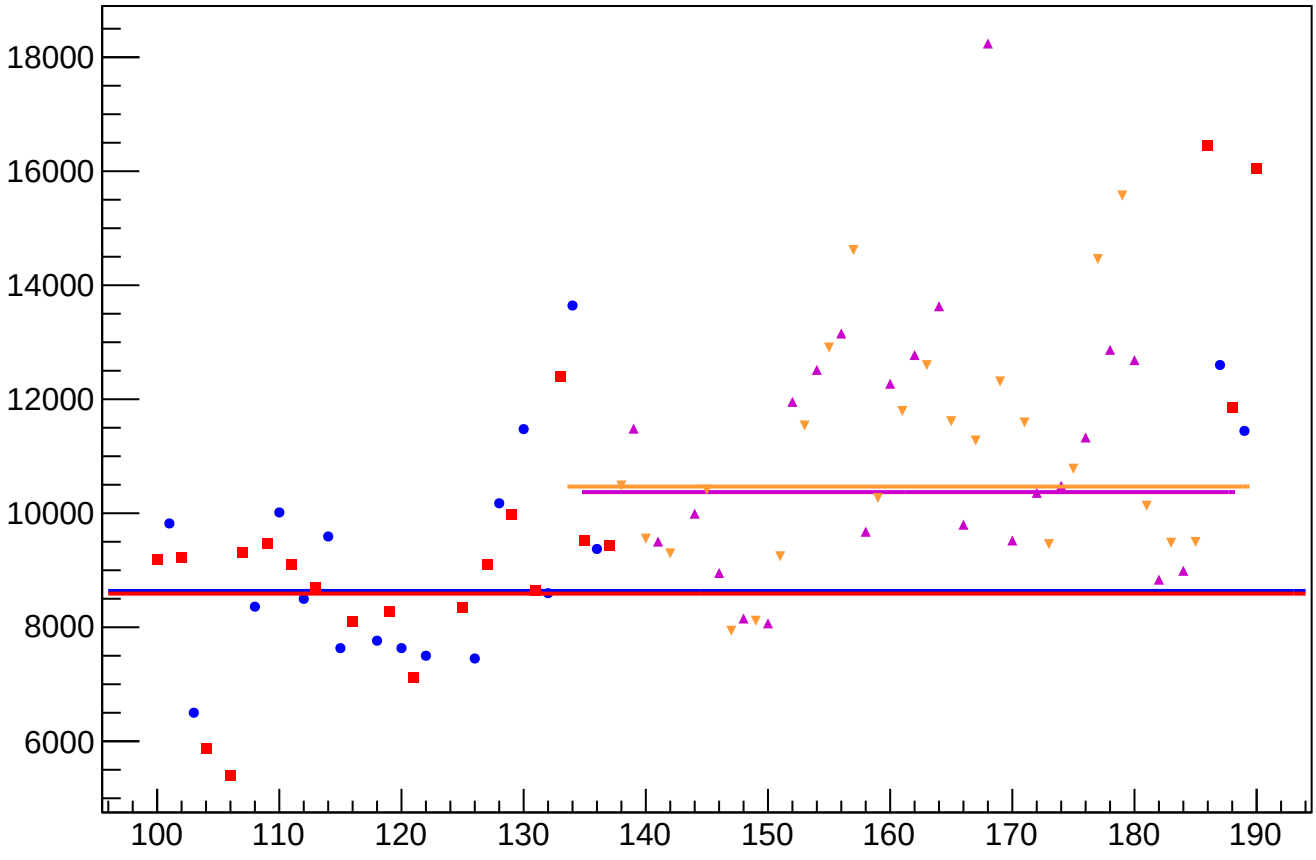
Right Out: 2270.846+/-2966.119 χ^2/NDF: 24.2/20

Left In: 182.360+/-2471.221 χ^2/NDF:13.8/22

\+ sign -1151.669+/-1943.651 χ^2/NDF: 44.9/41

All: -31.135+/-1358.167 χ^2/NDF: 83.7/85

\- sign 1038.074+/-1898.616 χ^2/NDF: 38.2/43



Right In: 8637.137+/-2.211 χ^2/NDF: 534631.3/17

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

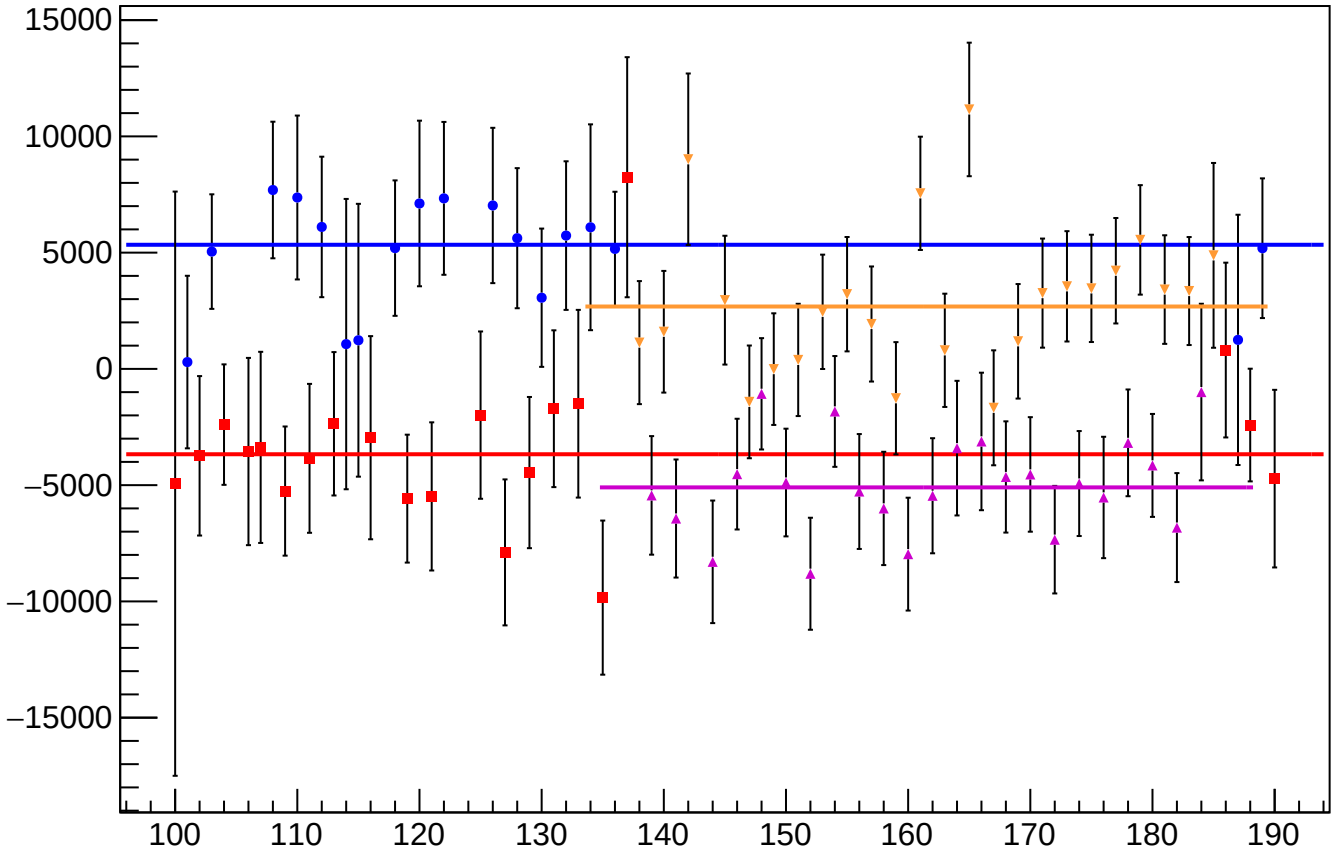
Right Out: 8590.167+/-2.097 χ^2/NDF: 1051791.0/20

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

+ sign 9760.798+/-1.374 χ^2/NDF: 2000991.3/41

All: 9699.635+/-0.960 χ^2/NDF: 4685911.8/85

- sign 9641.273+/-1.343 χ^2/NDF: 2681050.2/43



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: -3670.894+/-737.713 χ^2/NDF: 14.9/20

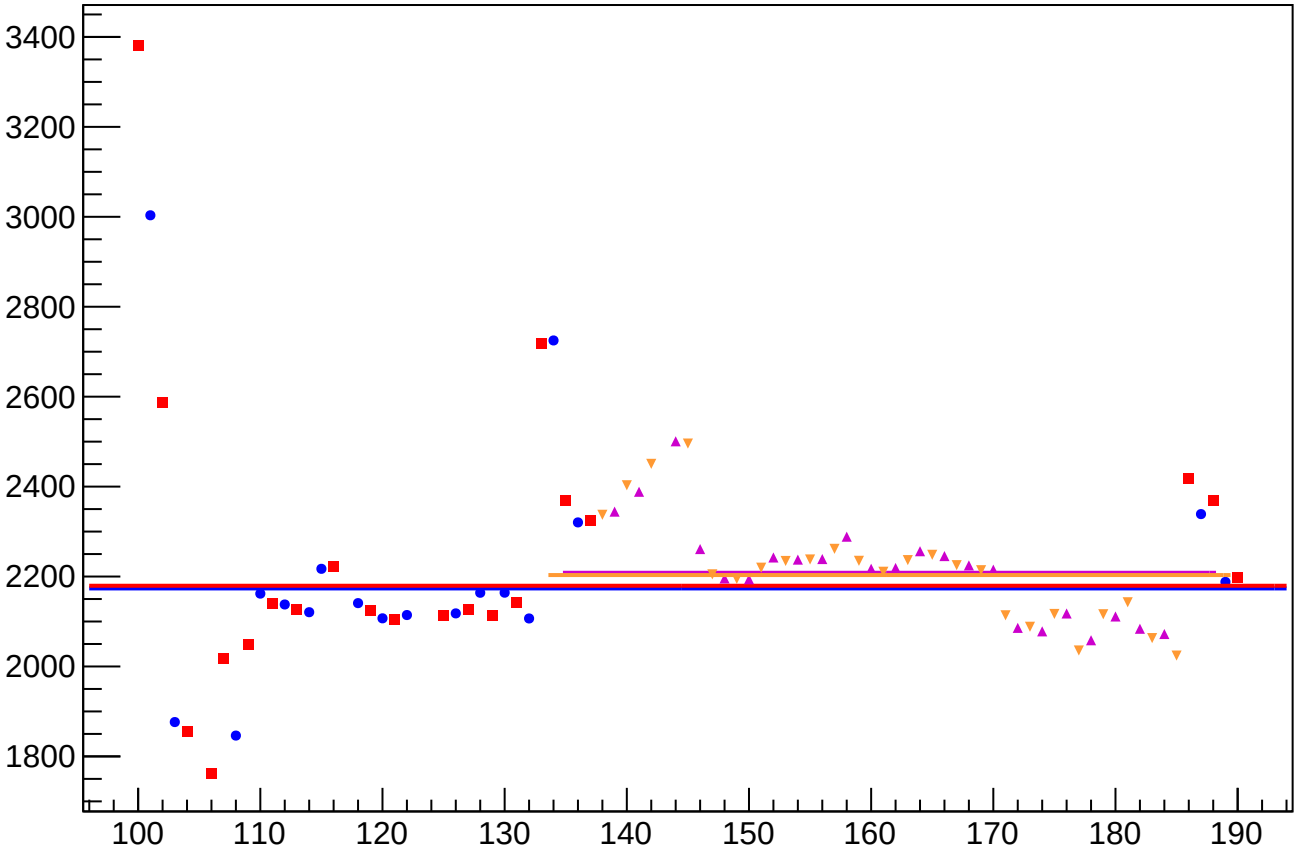
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3488.040+/-427.398 χ^2/NDF: 44.9/41

All: -612.232+/-300.634 χ^2/NDF: 259.4/85

- sign -4627.769+/-422.959 χ^2/NDF: 32.3/43

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

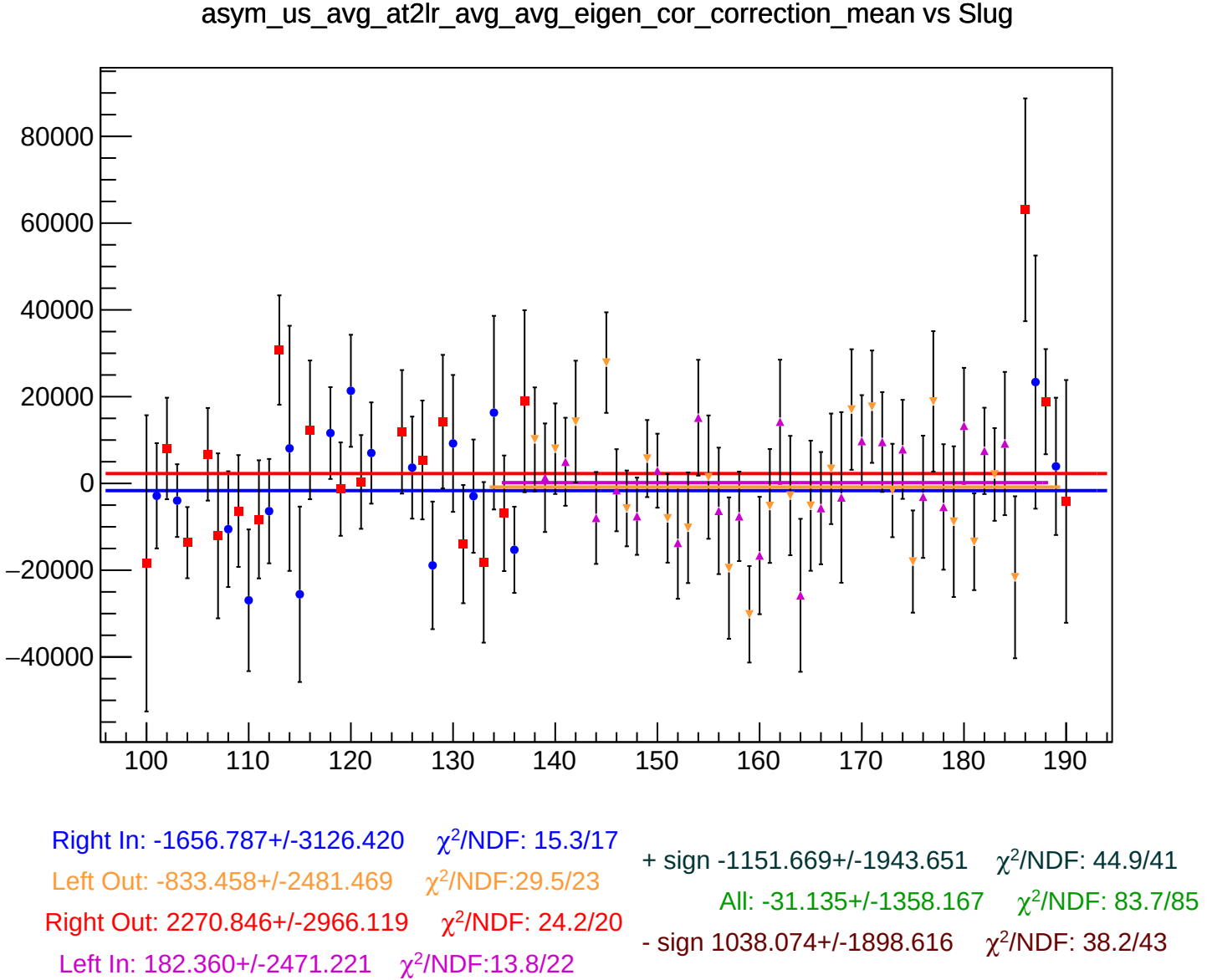
Right Out: 2179.521+/-0.519 χ^2/NDF: 181297.8/20

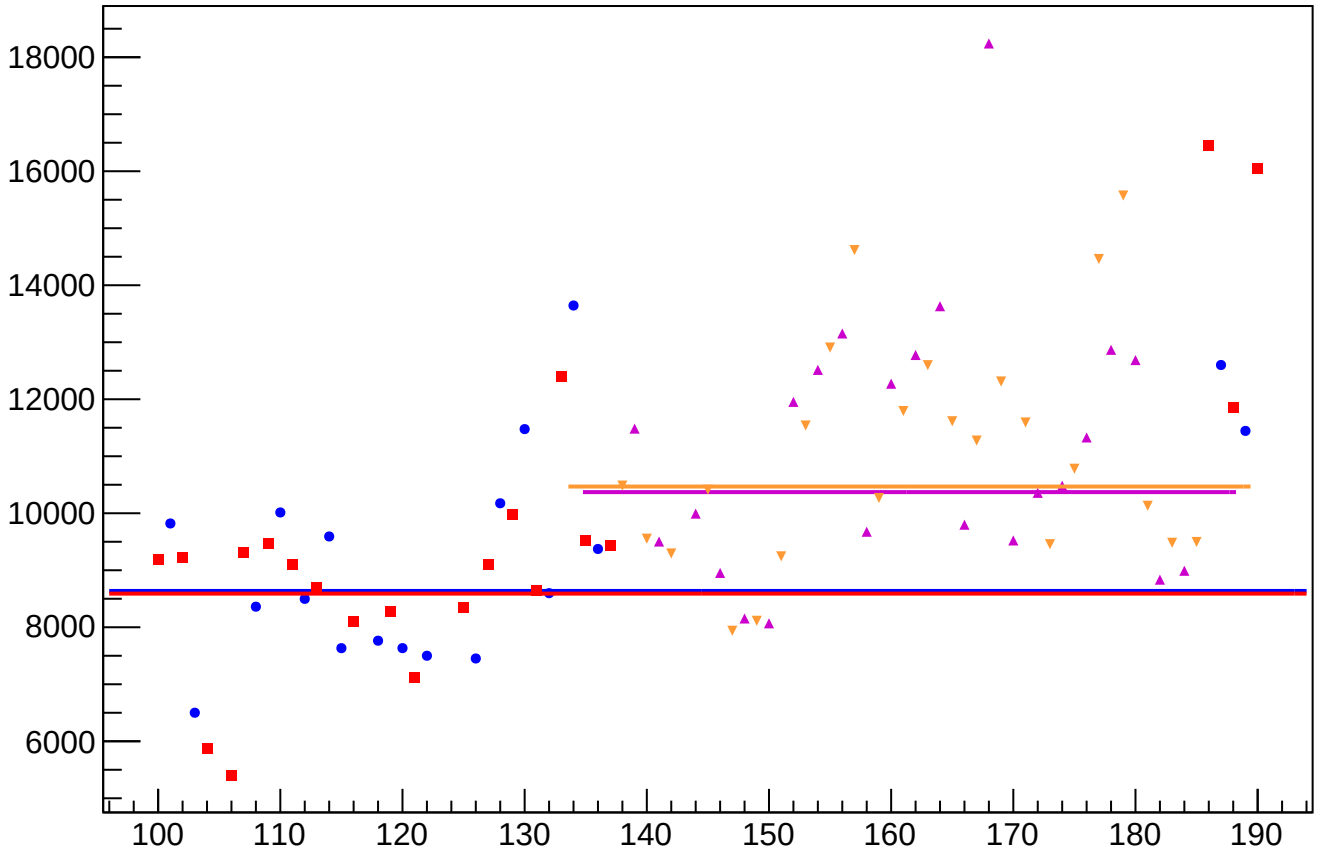
Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2194.275+/-0.302 χ^2/NDF: 287920.4/41

All: 2196.585+/-0.212 χ^2/NDF: 552393.9/85

- sign 2198.840+/-0.299 χ^2/NDF: 264358.1/43


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: 2270.846+/-2966.119 χ²/NDF: 24.2/20
Left In: 182.360+/-2471.221 χ²/NDF:13.8/22
+ sign -1151.669+/-1943.651 χ²/NDF: 44.9/41
All: -31.135+/-1358.167 χ²/NDF: 83.7/85
- sign 1038.074+/-1898.616 χ²/NDF: 38.2/43



Right In: 8637.137+/-2.211 χ^2/NDF: 534631.3/17

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

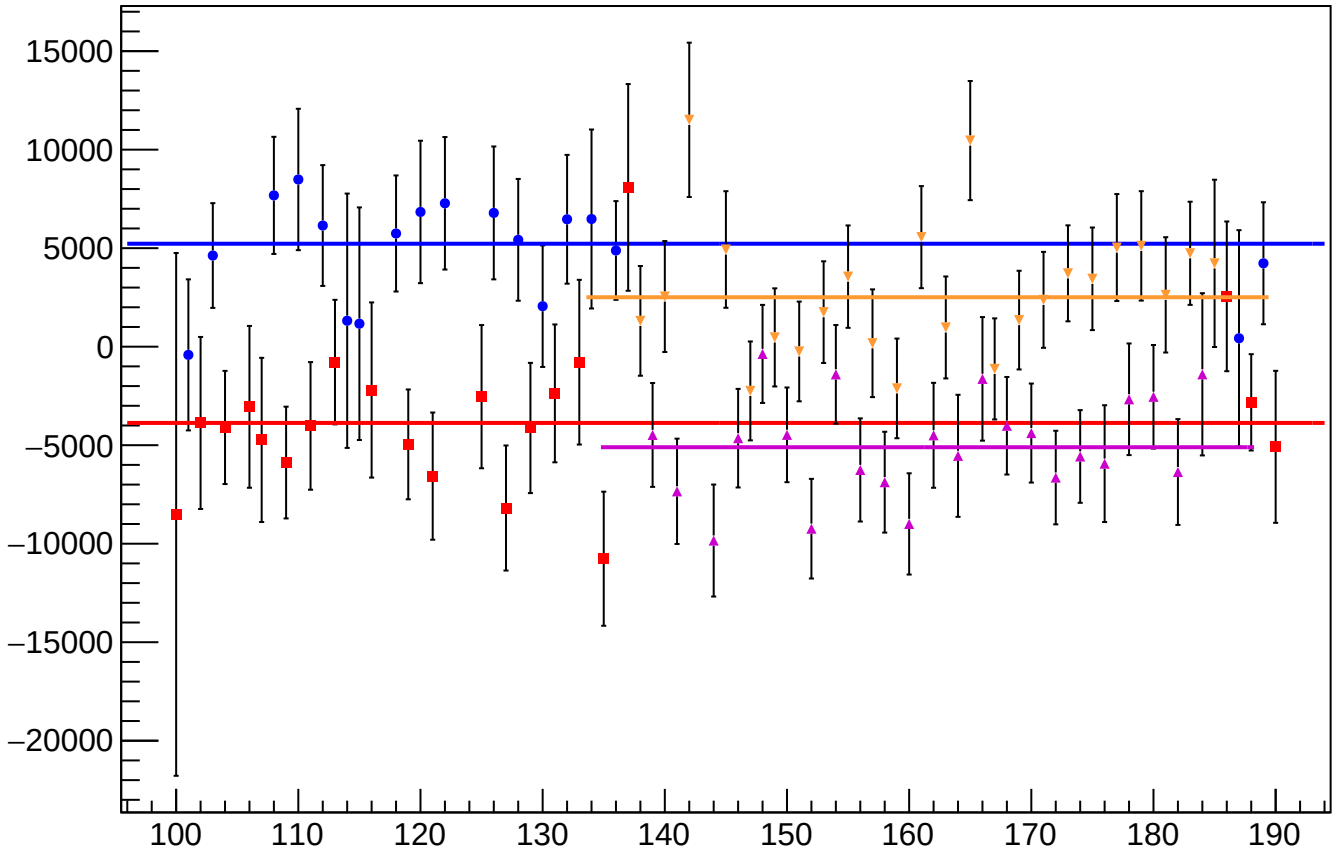
Right Out: 8590.167+/-2.097 χ^2/NDF: 1051791.0/20

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

+ sign 9760.798+/-1.374 χ^2/NDF: 2000991.3/41

All: 9699.635+/-0.960 χ^2/NDF: 4685911.8/85

- sign 9641.273+/-1.343 χ^2/NDF: 2681050.2/43



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: -3870.527+/-761.759 χ^2/NDF: 17.8/20

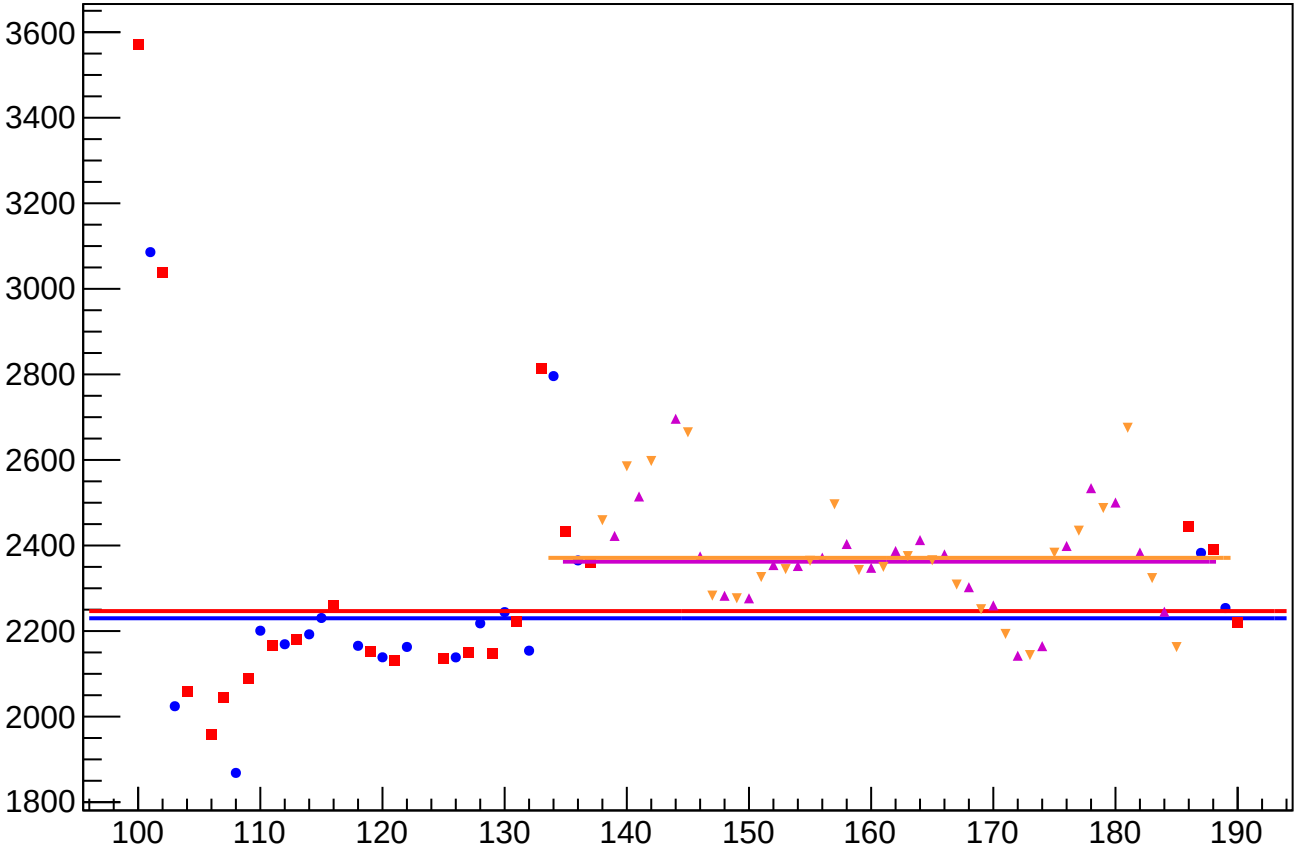
Left In: -5102.993+/-552.583 χ^2/NDF:19.9/22

+ sign 3389.408+/-453.472 χ^2/NDF: 45.3/41

All: -699.681+/-318.445 χ^2/NDF: 245.2/85

- sign -4678.061+/-447.291 χ^2/NDF: 39.4/43

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

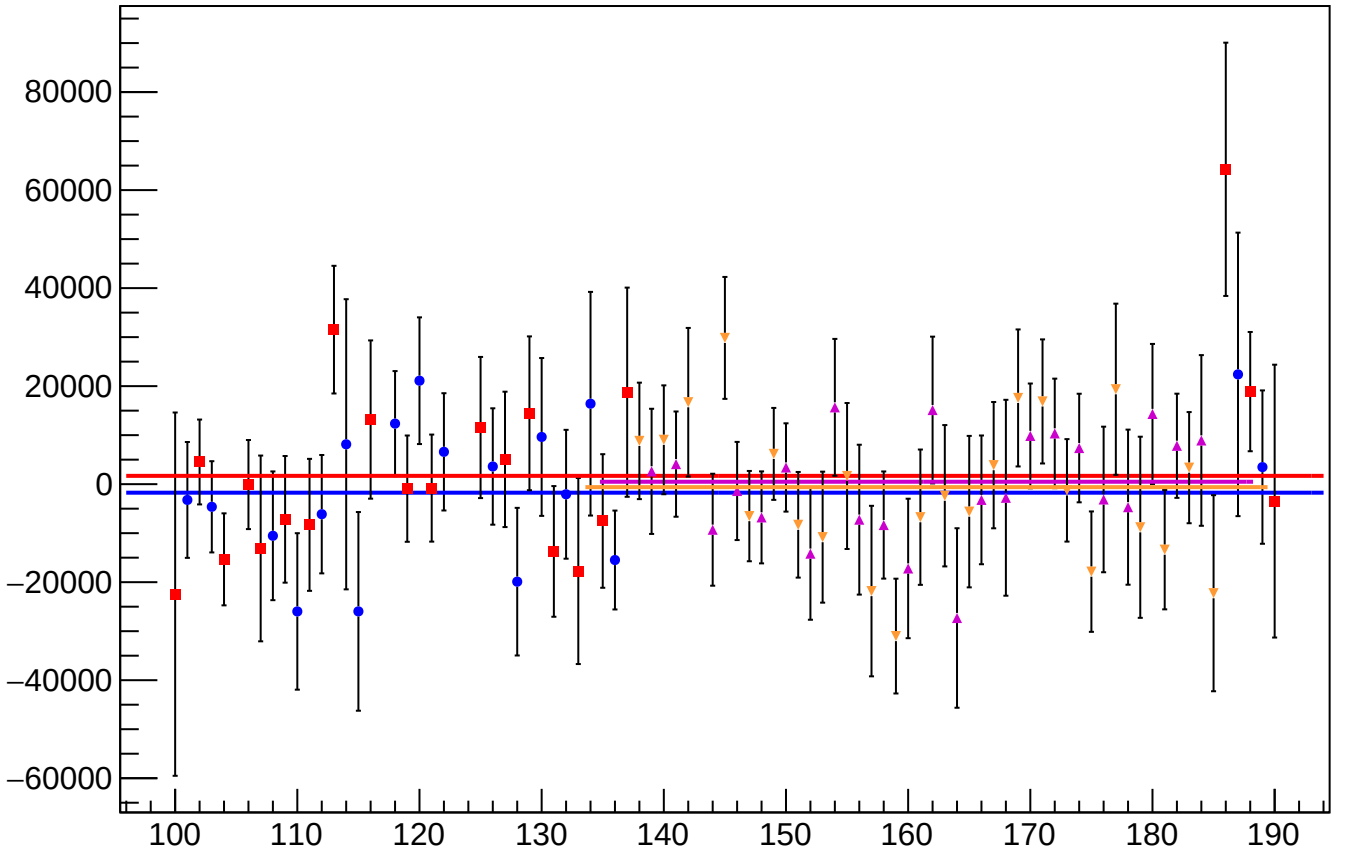
Right Out: 2246.672+/-0.538 χ^2/NDF: 184181.9/20

Left In: 2362.218+/-0.391 χ^2/NDF:91896.7/22

+ sign 2325.349+/-0.321 χ^2/NDF: 345243.7/41

All: 2323.830+/-0.225 χ^2/NDF: 651537.0/85

- sign 2322.353+/-0.316 χ^2/NDF: 306249.1/43



Right In: -1741.167+/-3183.028 χ^2/NDF: 15.3/17

Left Out: -608.283+/-2589.919 χ^2/NDF:28.9/23

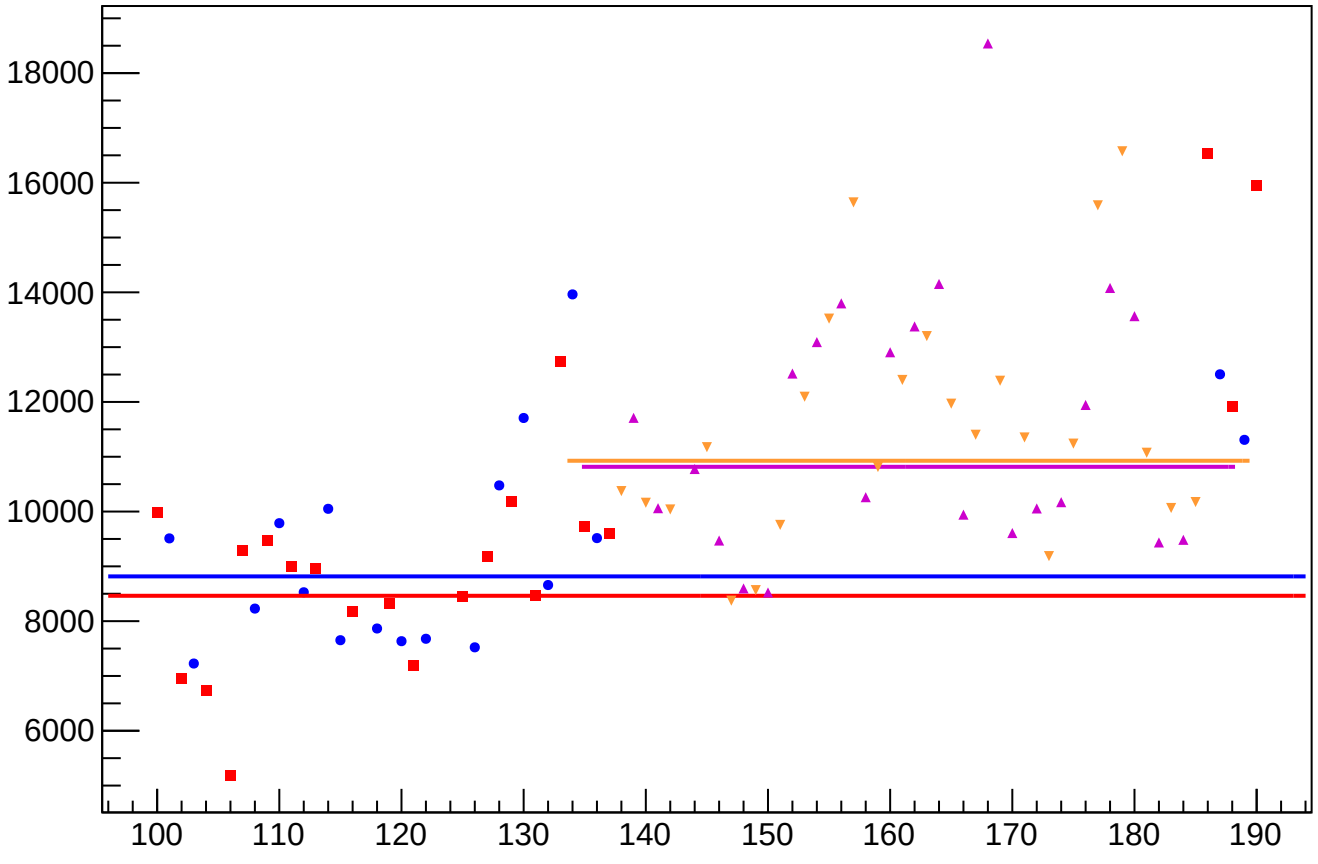
Right Out: 1694.476+/-2910.127 χ^2/NDF: 23.9/20

Left In: 490.044+/-2577.213 χ^2/NDF:13.5/22

+ sign -1059.549+/-2008.926 χ^2/NDF: 44.3/41

All: 21.929+/-1391.550 χ^2/NDF: 82.4/85

- sign 1019.456+/-1929.379 χ^2/NDF: 37.6/43



Right In: 8816.870+/-2.251 χ^2/NDF: 445747.3/17

Left Out: 10926.860+/-1.831 χ^2/NDF:1057331.1/23

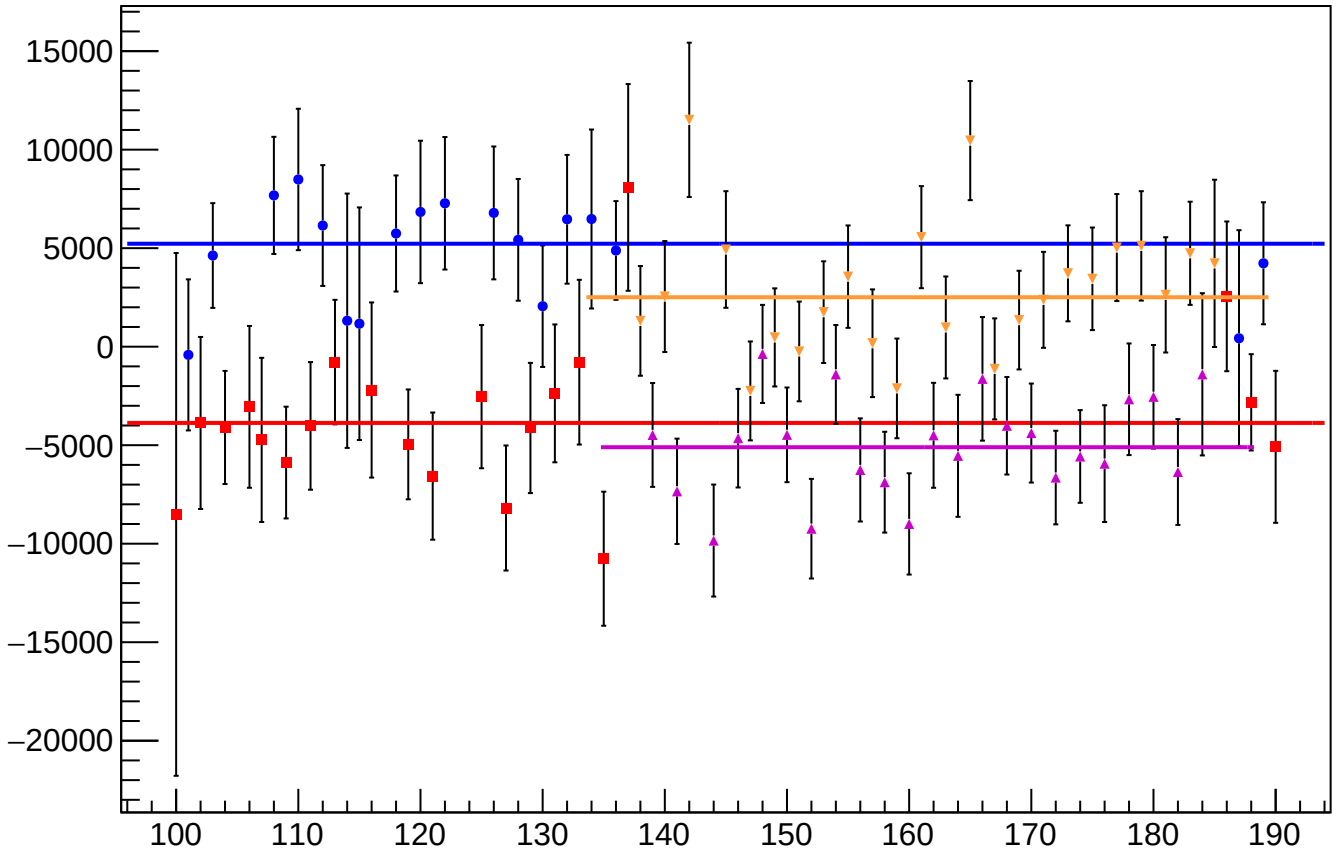
Right Out: 8462.953+/-2.058 χ^2/NDF: 1097431.0/20

Left In: 10816.320+/-1.822 χ^2/NDF:1196820.9/22

+ sign 10086.380+/-1.421 χ^2/NDF: 2031846.8/41

All: 9927.988+/-0.984 χ^2/NDF: 5083026.0/85

- sign 9781.891+/-1.364 χ^2/NDF: 3027278.6/43



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: -3870.529+/-761.759 χ^2/NDF: 17.8/20

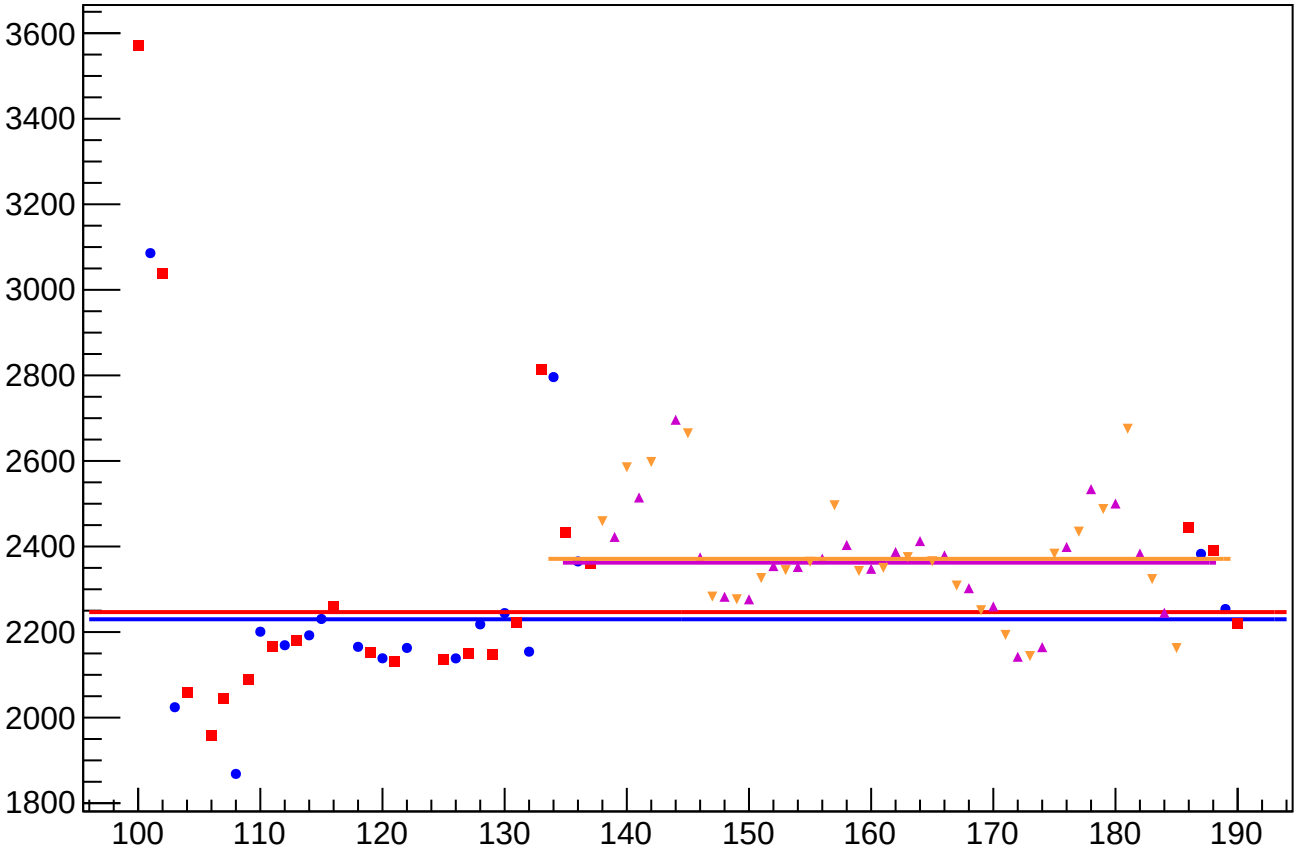
Left In: -5102.996+/-552.584 χ^2/NDF:19.9/22

\+ sign 3389.402+/-453.472 χ^2/NDF: 45.3/41

All: -699.685+/-318.446 χ^2/NDF: 245.2/85

\- sign -4678.062+/-447.291 χ^2/NDF: 39.4/43

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

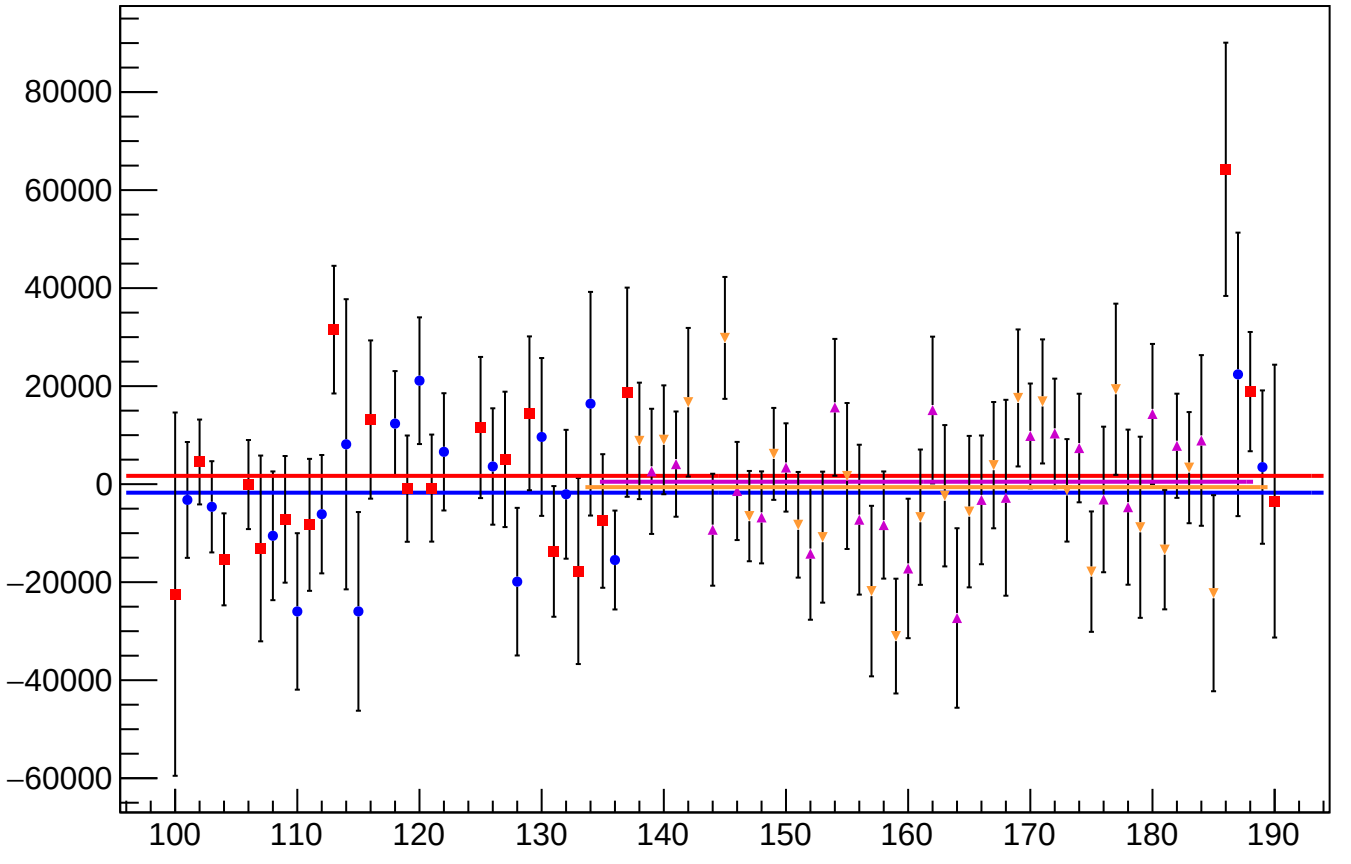
Right Out: 2246.671+/-0.538 χ^2/NDF: 184181.8/20

Left In: 2362.221+/-0.391 χ^2/NDF:91901.3/22

+ sign 2325.351+/-0.321 χ^2/NDF: 345250.7/41

All: 2323.832+/-0.225 χ^2/NDF: 651550.6/85

- sign 2322.355+/-0.316 χ^2/NDF: 306255.7/43



Right In: -1741.149+/-3183.021 χ^2/NDF: 15.3/17

Left Out: -608.291+/-2589.924 χ^2/NDF:28.9/23

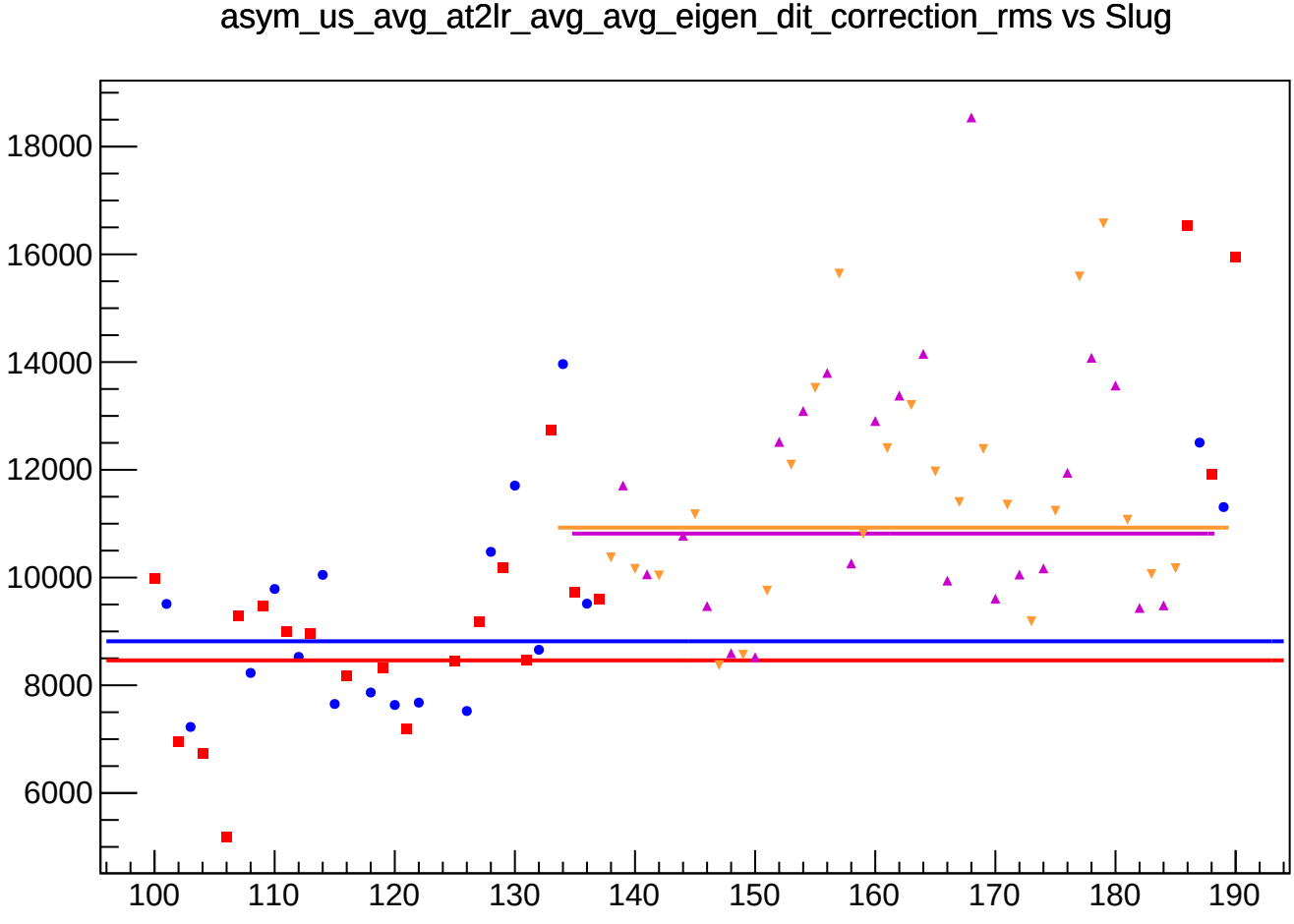
Right Out: 1694.463+/-2910.121 χ^2/NDF: 23.9/20

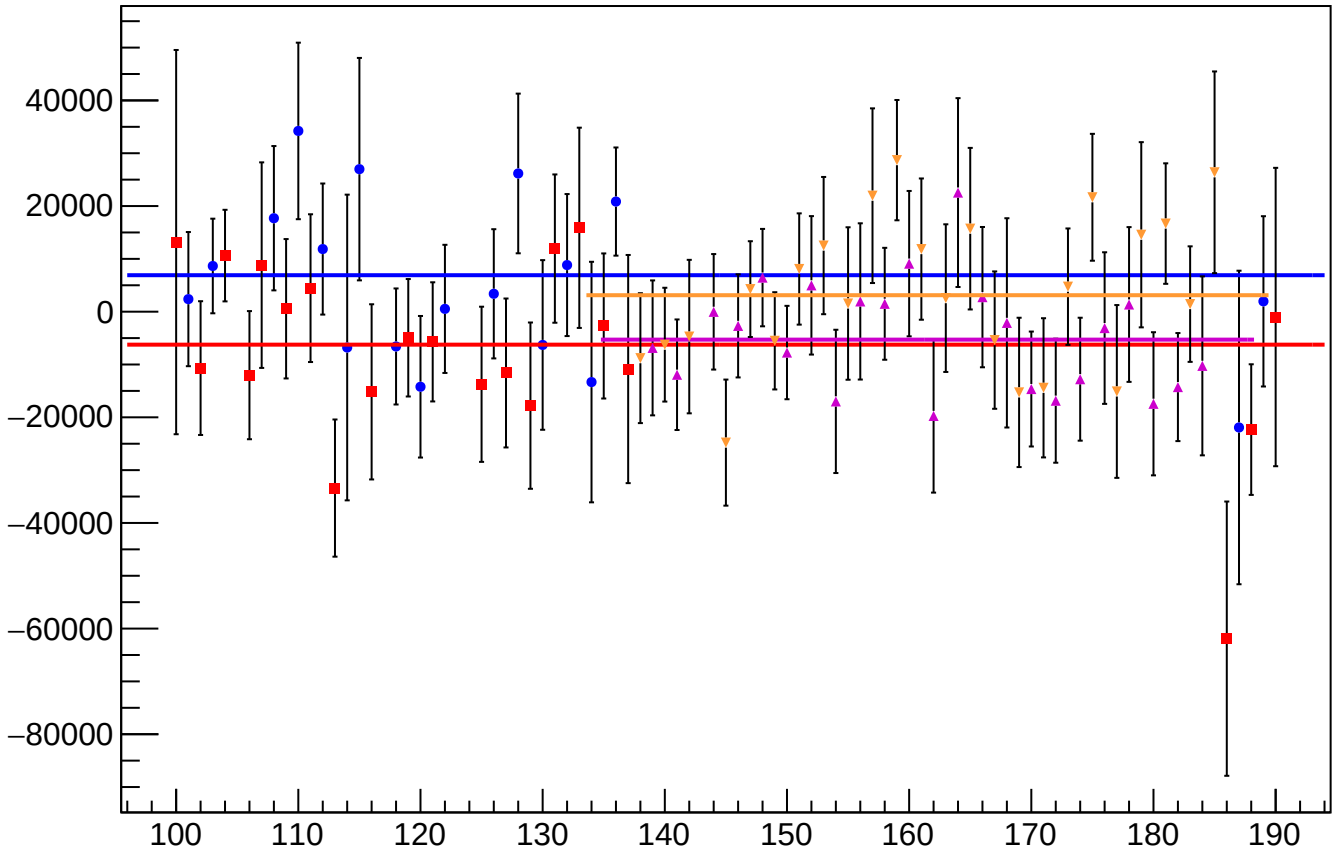
Left In: 490.047+/-2577.218 χ^2/NDF:13.5/22

+ sign -1059.549+/-2008.927 χ^2/NDF: 44.3/41

All: 21.928+/-1391.550 χ^2/NDF: 82.4/85

- sign 1019.454+/-1929.379 χ^2/NDF: 37.6/43


asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs Slug
18000
16000
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
170
180
190
Right In: 8816.850+/-2.251 χ²/NDF: 445751.5/17
Left Out: 10926.878+/-1.831 χ²/NDF:1057333.6/23
Right Out: 8462.936+/-2.058 χ²/NDF: 1097432.8/20
Left In: 10816.337+/-1.822 χ²/NDF:1196824.5/22
+ sign 10086.379+/-1.421 χ²/NDF: 2031873.2/41
All: 9927.986+/-0.984 χ²/NDF: 5083080.1/85
- sign 9781.888+/-1.364 χ²/NDF: 3027306.1/43



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: -6243.111+/-3095.197 χ^2/NDF: 21.0/20

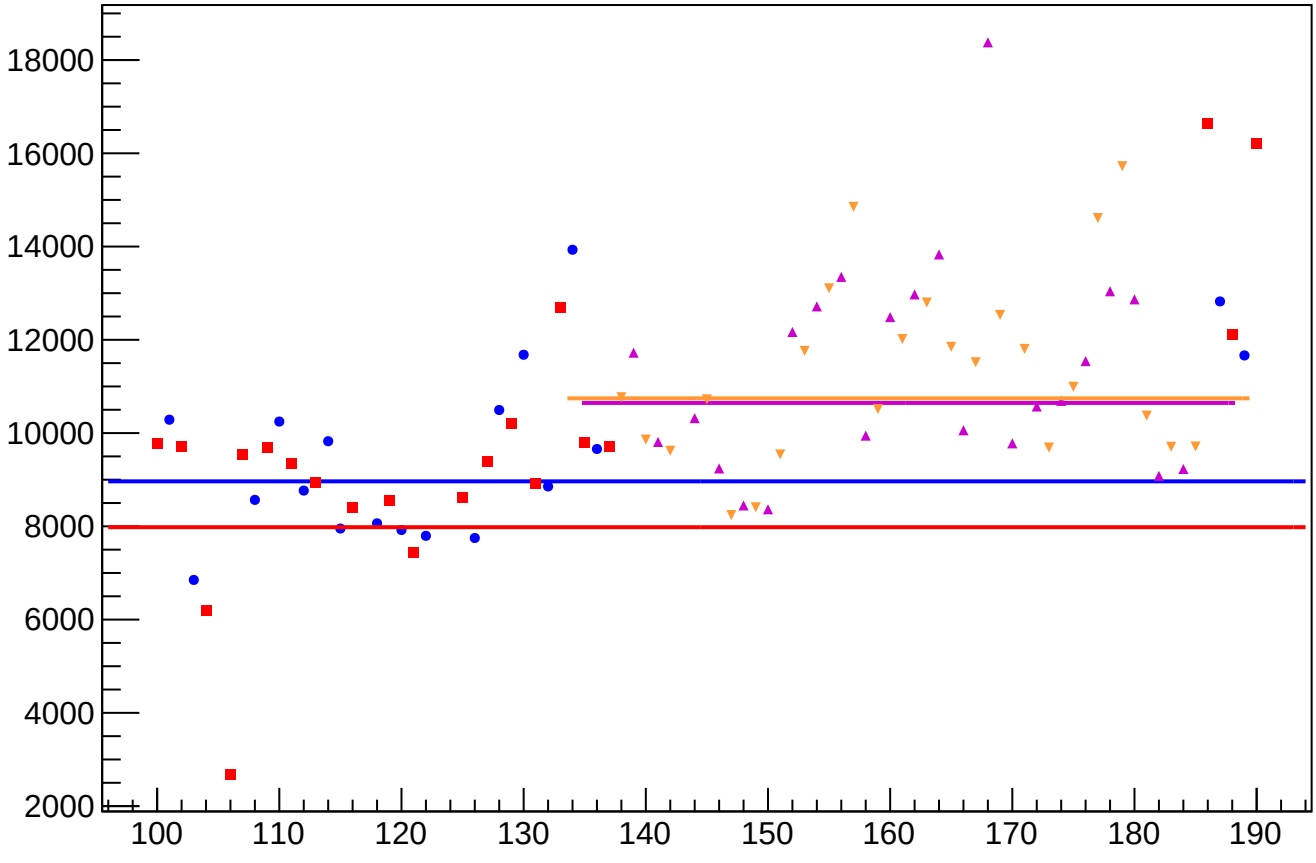
Left In: -5290.718+/-2532.995 χ^2/NDF:13.3/22

+ sign 4561.744+/-2000.936 χ^2/NDF: 43.4/41

All: -660.581+/-1400.271 χ^2/NDF: 91.1/85

- sign -5672.720+/-1960.256 χ^2/NDF: 34.4/43

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

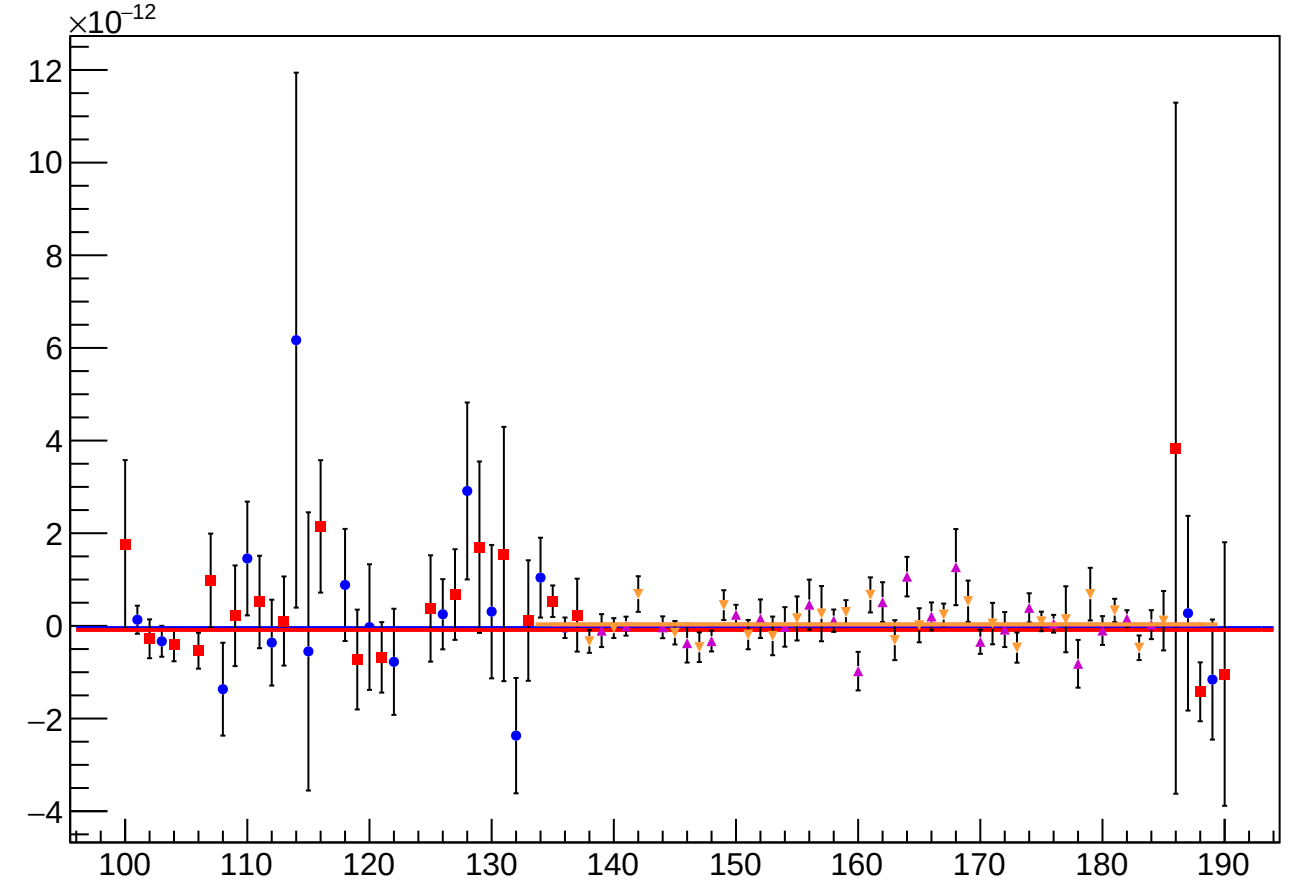
Right Out: 7981.739+/-2.044 χ^2/NDF: 2316746.5/20

Left In: 10646.477+/-1.791 χ^2/NDF:1114064.0/22

+ sign 10067.322+/-1.415 χ^2/NDF: 1827293.1/41

All: 9764.081+/-0.976 χ^2/NDF: 6306985.4/85

- sign 9489.178+/-1.347 χ^2/NDF: 4392115.0/43



Right In: -0.000+/-0.000 χ^2/NDF: 15.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:26.3/23

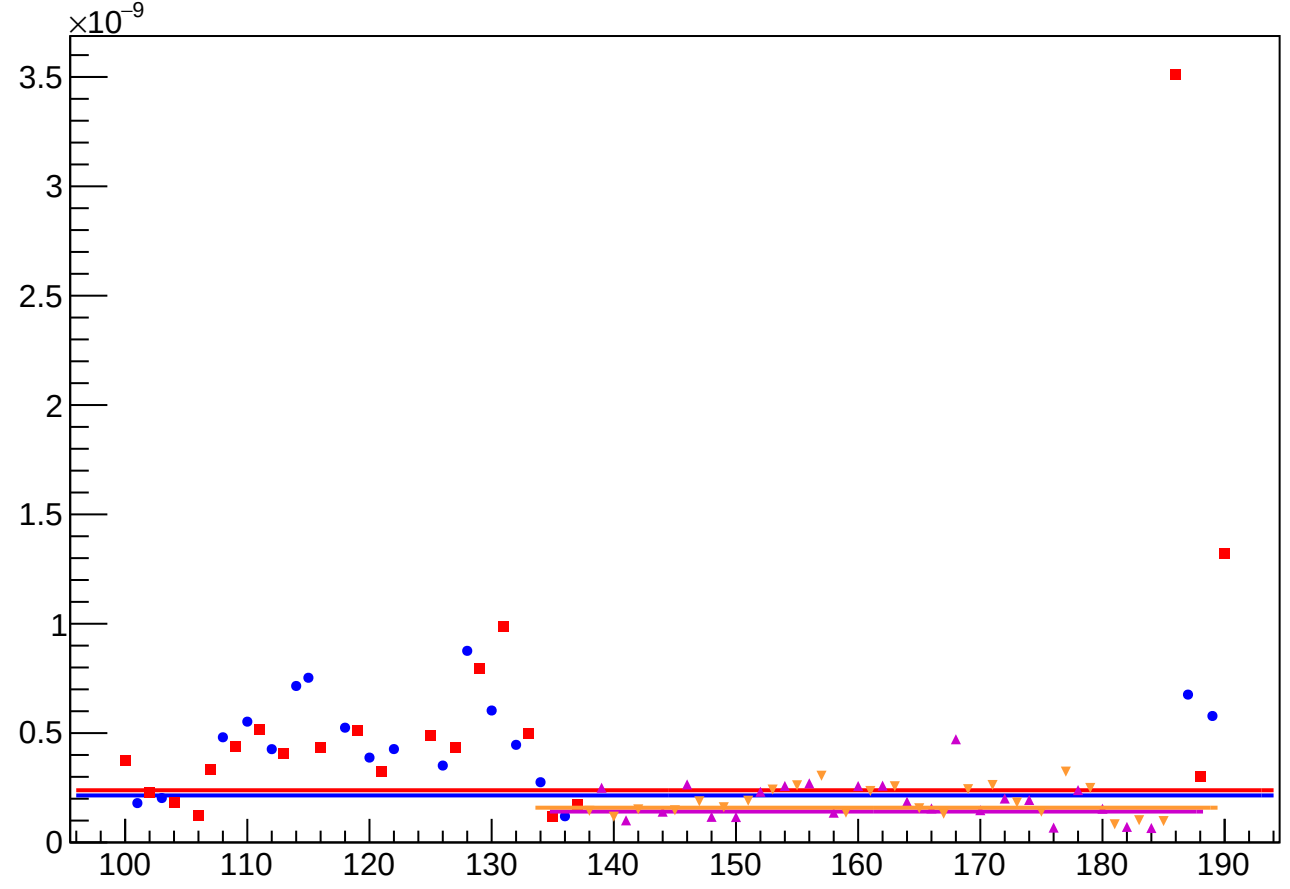
Right Out: -0.000+/-0.000 χ^2/NDF: 18.8/20

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: 88.8/85

- sign 0.000+/-0.000 χ^2/NDF: 47.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 1889810.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:1297018.7/23

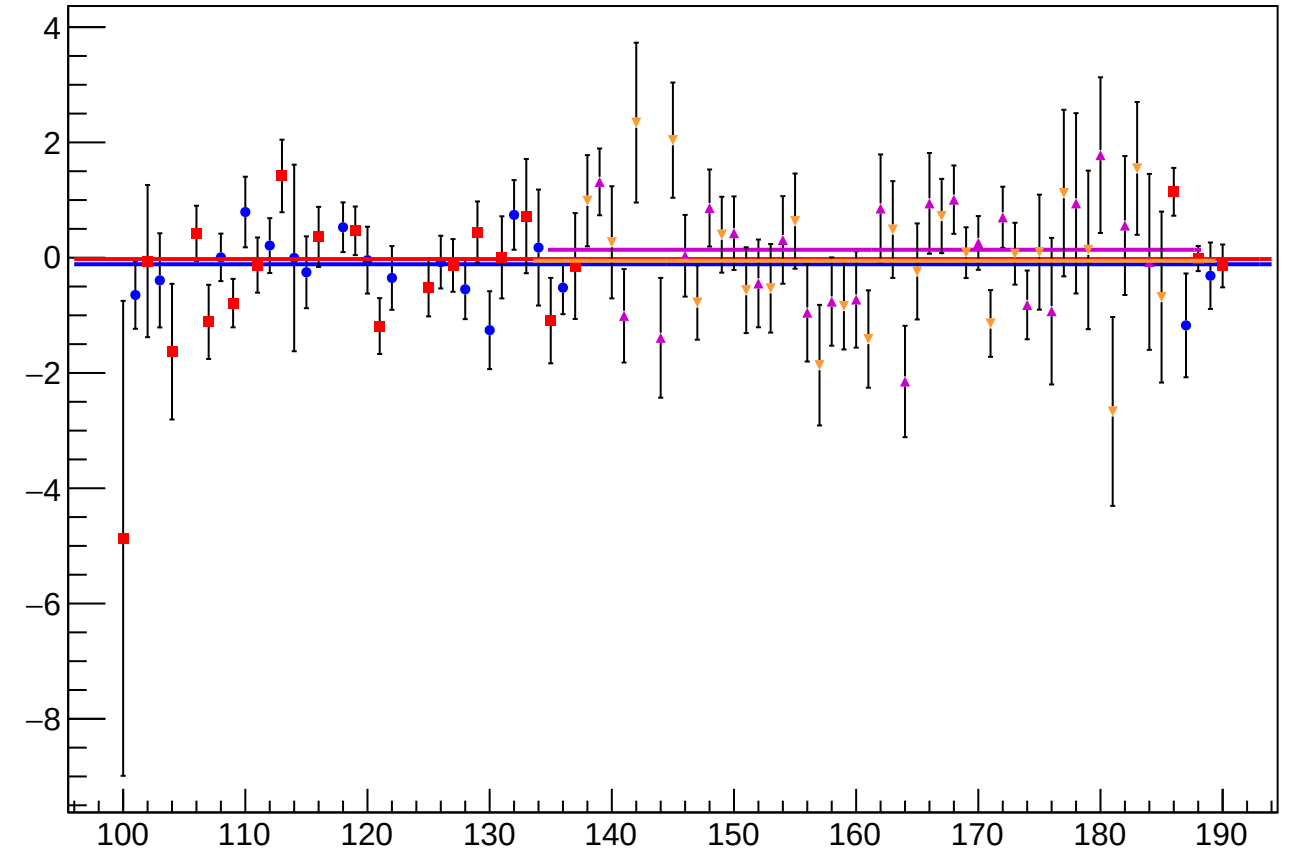
Right Out: 0.000+/-0.000 χ^2/NDF: 2259712.5/20

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: 8874210.5/85

- sign 0.000+/-0.000 χ^2/NDF: 5366148.2/43



Right In: -0.114+/-0.134 χ^2/NDF: 14.1/17

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

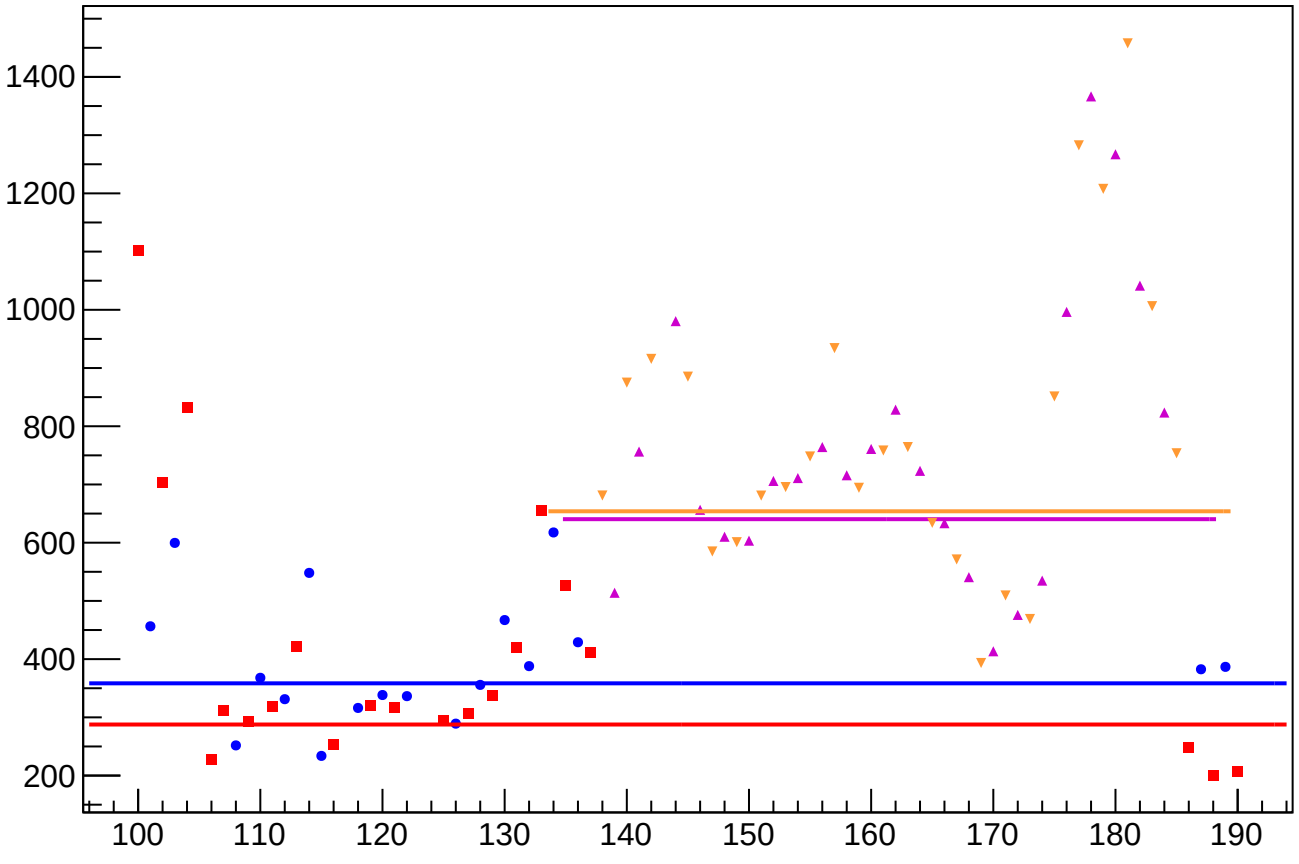
Right Out: -0.024+/-0.107 χ^2/NDF: 35.7/20

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.089+/-0.103 χ^2/NDF: 44.3/41

All: -0.022+/-0.067 χ^2/NDF: 111.4/85

- sign 0.027+/-0.089 χ^2/NDF: 66.4/43



Right In: 358.438+/-0.095 χ^2/NDF: 791880.3/17

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

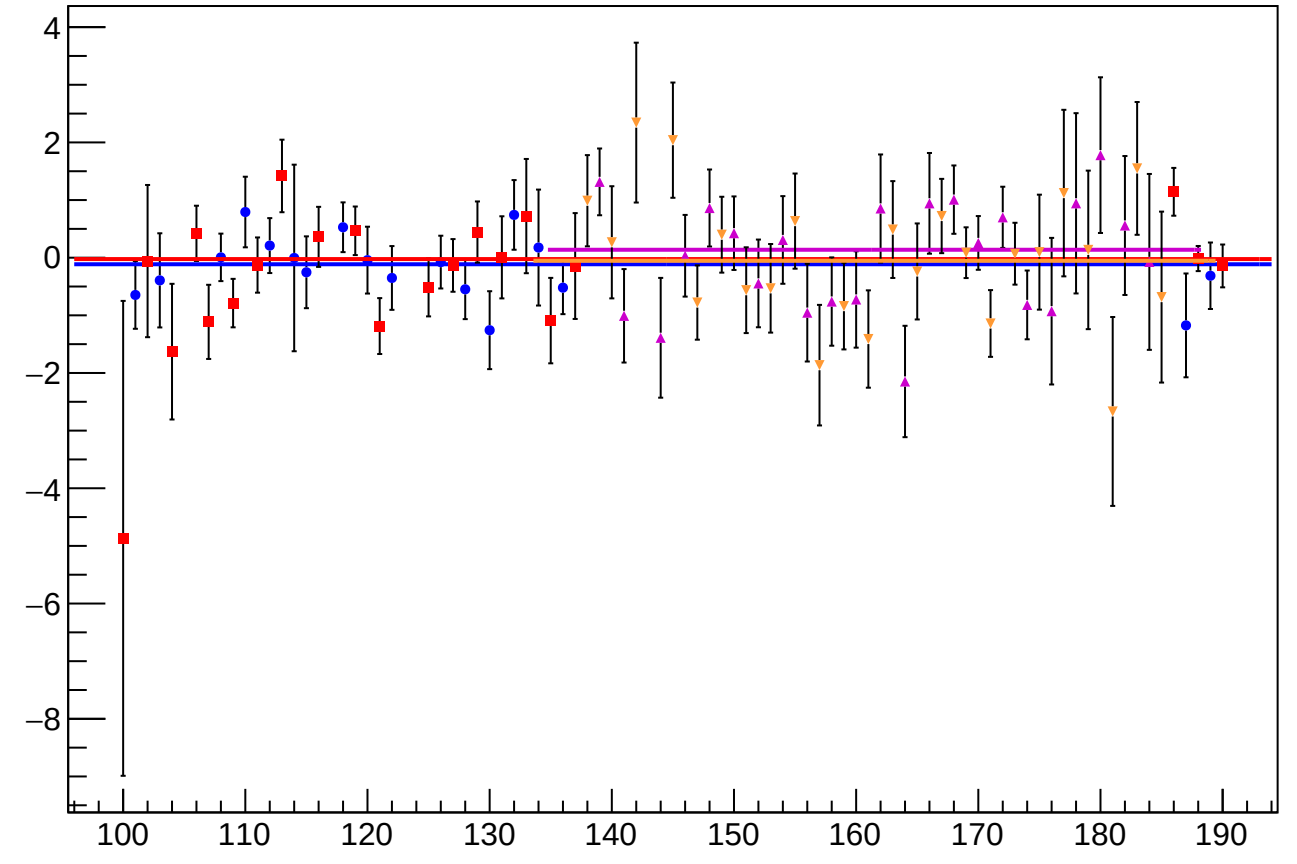
Right Out: 287.700+/-0.076 χ^2/NDF: 1911710.8/20

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

+ sign 479.536+/-0.073 χ^2/NDF: 7876337.3/41

All: 433.441+/-0.048 χ^2/NDF: 19951745.7/85

- sign 399.347+/-0.063 χ^2/NDF: 11382304.2/43



Right In: -0.114+/-0.134 χ^2/NDF: 14.1/17

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

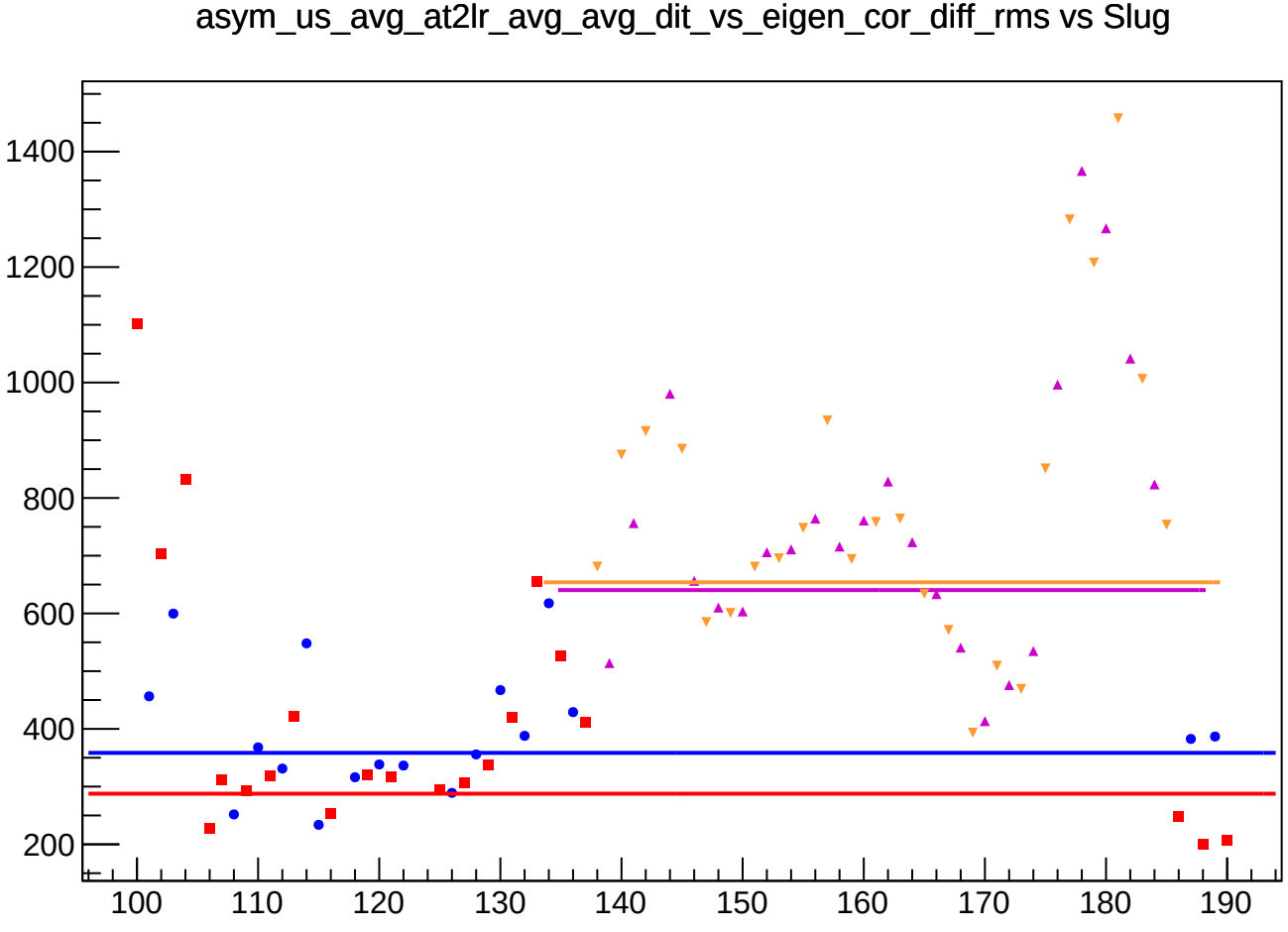
Right Out: -0.024+/-0.107 χ^2/NDF: 35.7/20

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.089+/-0.103 χ^2/NDF: 44.3/41

All: -0.022+/-0.067 χ^2/NDF: 111.4/85

- sign 0.027+/-0.089 χ^2/NDF: 66.4/43


asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug
1400
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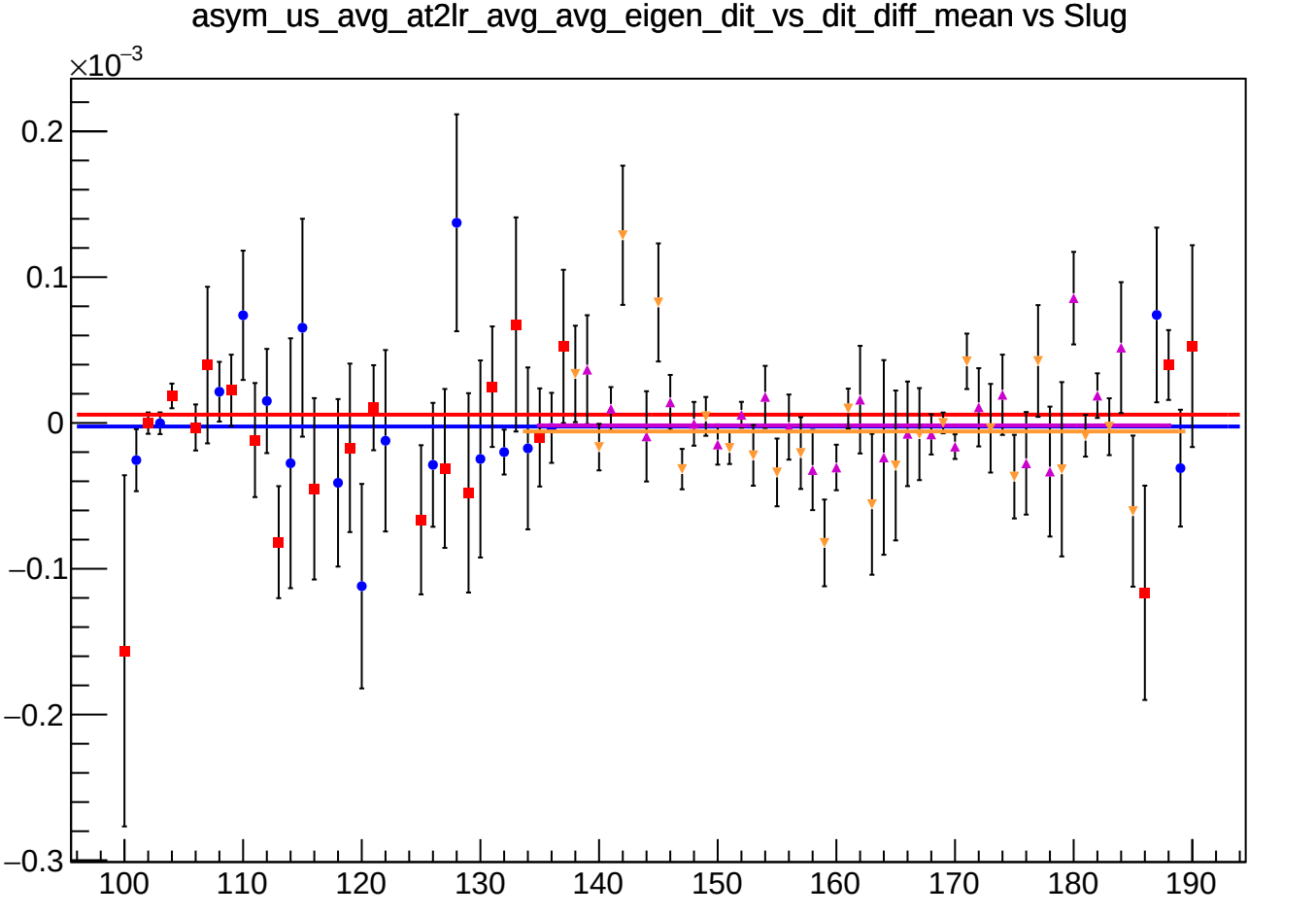
190
Right In: 358.438+/-0.095 χ²/NDF: 791880.3/17
Left Out: 653.930+/-0.114 χ²/NDF:3124472.6/23
Right Out: 287.700+/-0.076 χ²/NDF: 1911710.8/20
Left In: 640.392+/-0.112 χ²/NDF:2647967.4/22
+ sign 479.536+/-0.073 χ²/NDF: 7876337.3/41
All: 433.441+/-0.048 χ²/NDF: 19951745.7/85
- sign 399.347+/-0.063 χ²/NDF: 11382304.2/43



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/17

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/23

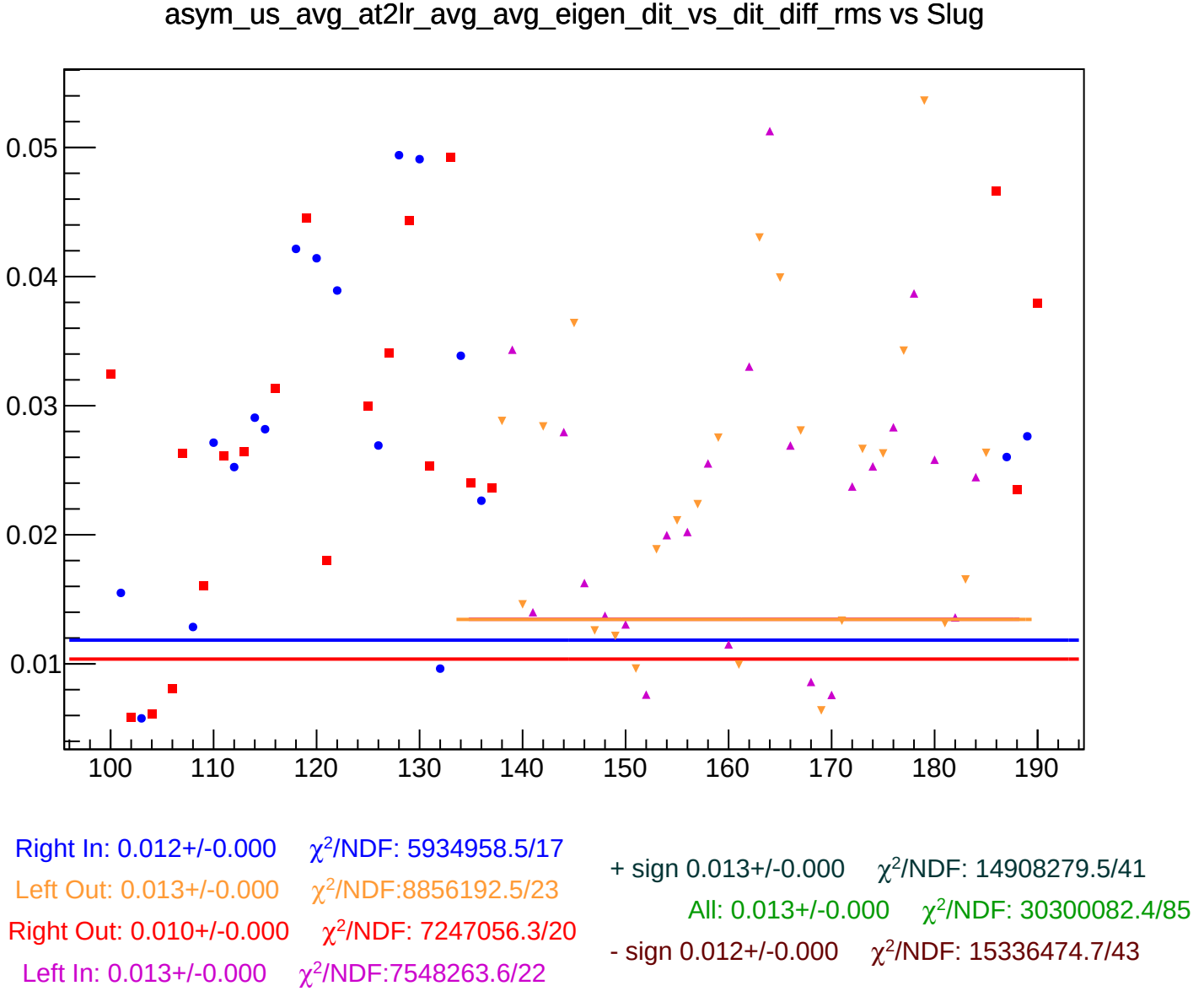
Right Out: 0.000+/-0.000 χ^2/NDF: 22.4/20

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: 111.5/85

- sign 0.000+/-0.000 χ^2/NDF: 49.5/43


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.05
0.04
0.03
0.02
0.01
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130
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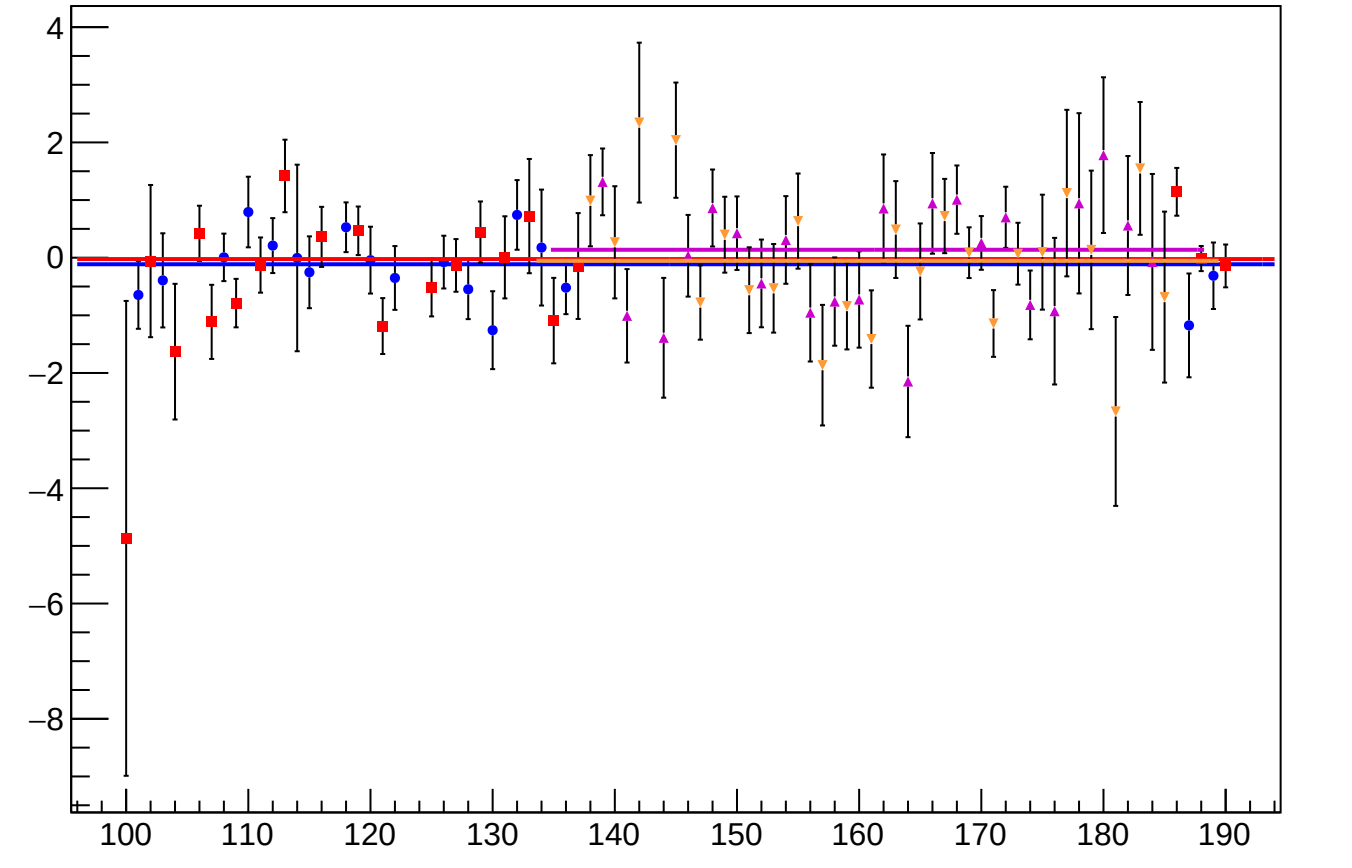
180
190
Right In: 0.012+/-0.000 χ²/NDF: 5934958.5/17
Left Out: 0.013+/-0.000 χ²/NDF:8856192.5/23
Right Out: 0.010+/-0.000 χ²/NDF: 7247056.3/20
Left In: 0.013+/-0.000 χ²/NDF:7548263.6/22
+ sign 0.013+/-0.000 χ²/NDF: 14908279.5/41
All: 0.013+/-0.000 χ²/NDF: 30300082.4/85
- sign 0.012+/-0.000 χ²/NDF: 15336474.7/43



Right In: -0.114+/-0.134 χ^2/NDF: 14.1/17

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

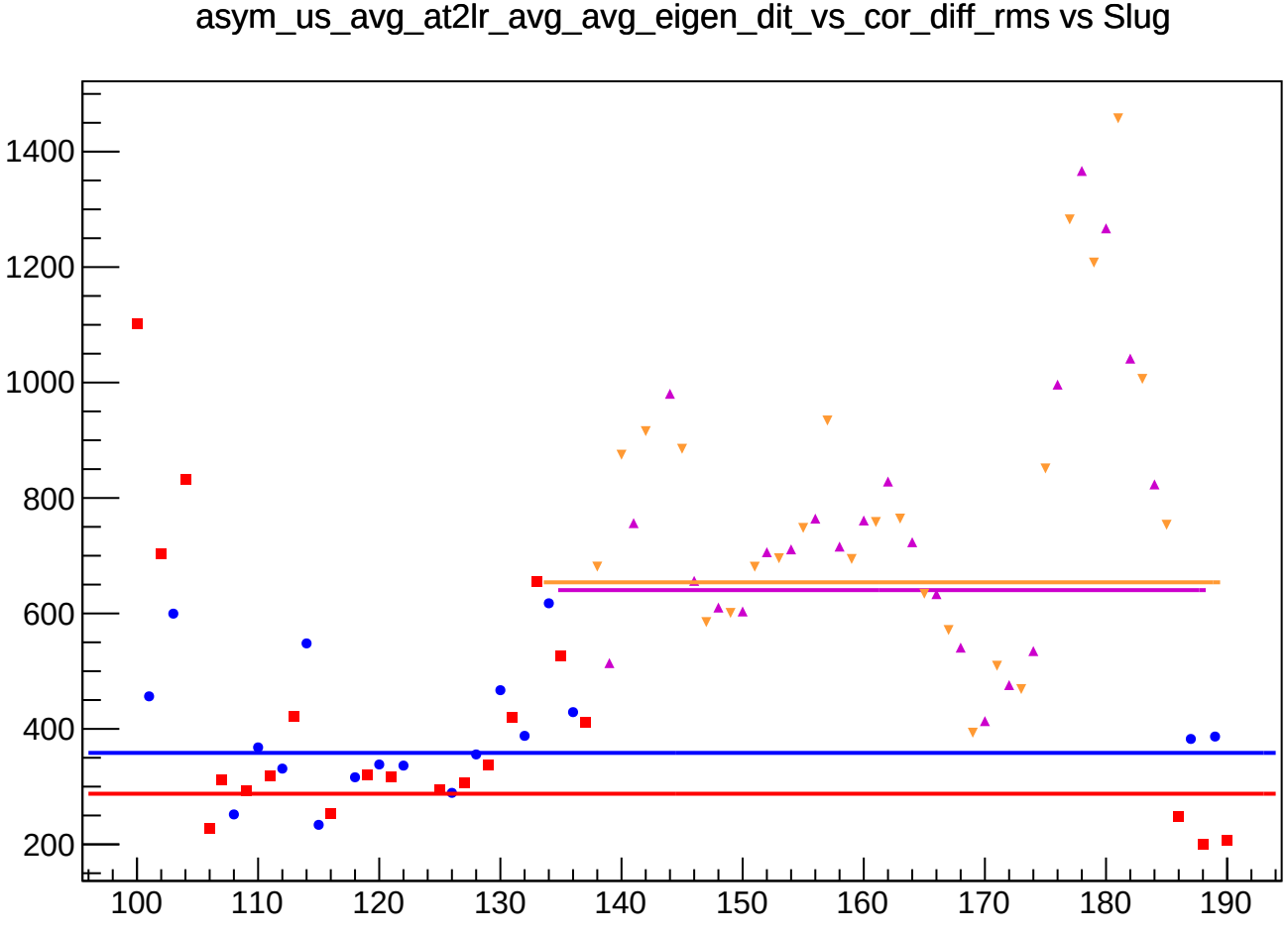
Right Out: -0.024+/-0.107 χ^2/NDF: 35.7/20

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.089+/-0.103 χ^2/NDF: 44.3/41

All: -0.022+/-0.067 χ^2/NDF: 111.4/85

- sign 0.027+/-0.089 χ^2/NDF: 66.4/43


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug
1400
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120
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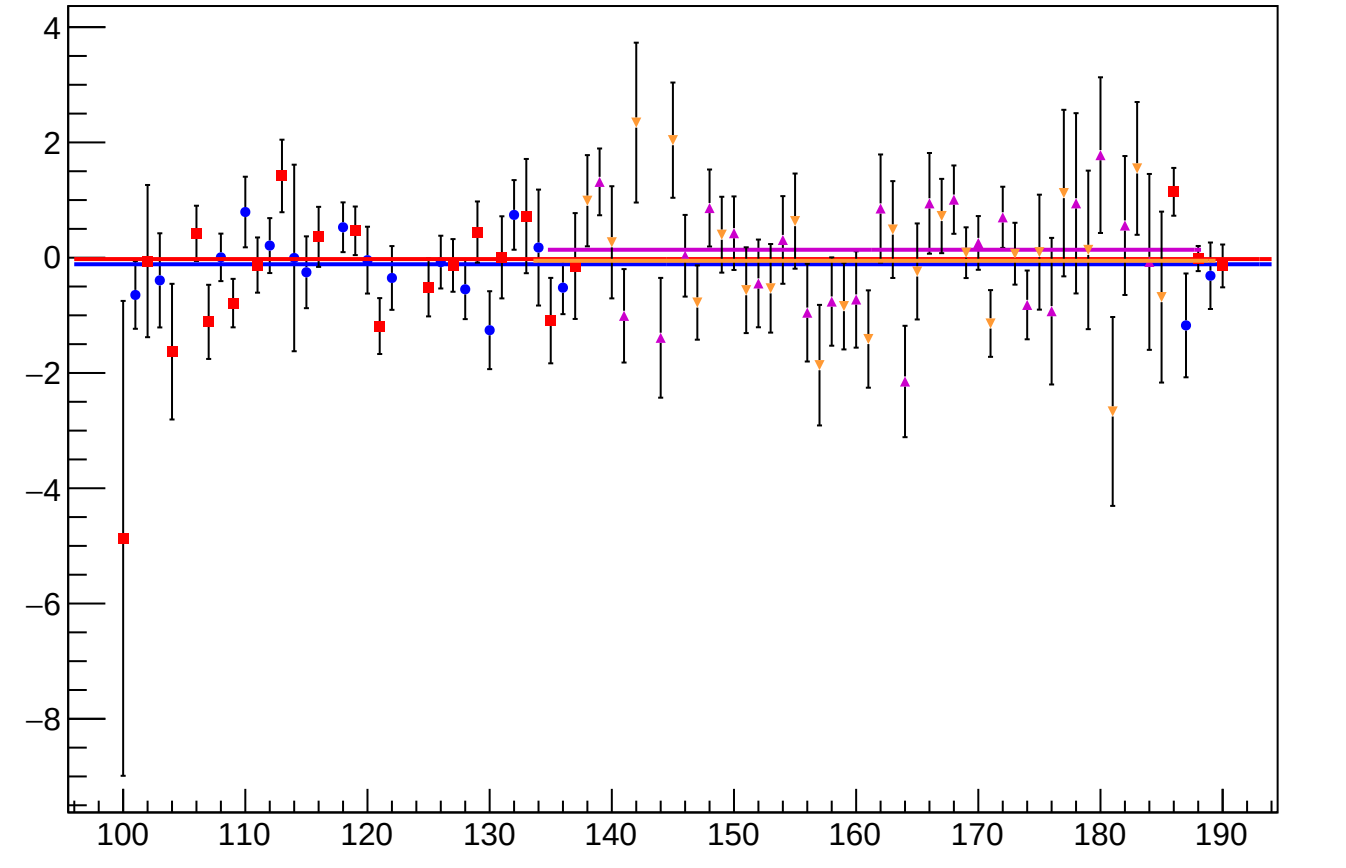
180
190
Right In: 358.438+/-0.095 χ²/NDF: 791851.2/17
Left Out: 653.930+/-0.114 χ²/NDF:3124692.9/23
Right Out: 287.694+/-0.076 χ²/NDF: 1911782.7/20
Left In: 640.395+/-0.112 χ²/NDF:2648118.2/22
+ sign 479.535+/-0.073 χ²/NDF: 7876548.8/41
All: 433.436+/-0.048 χ²/NDF: 19952657.4/85
- sign 399.340+/-0.063 χ²/NDF: 11382895.0/43



Right In: -0.114+/-0.134 χ^2/NDF: 14.1/17

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

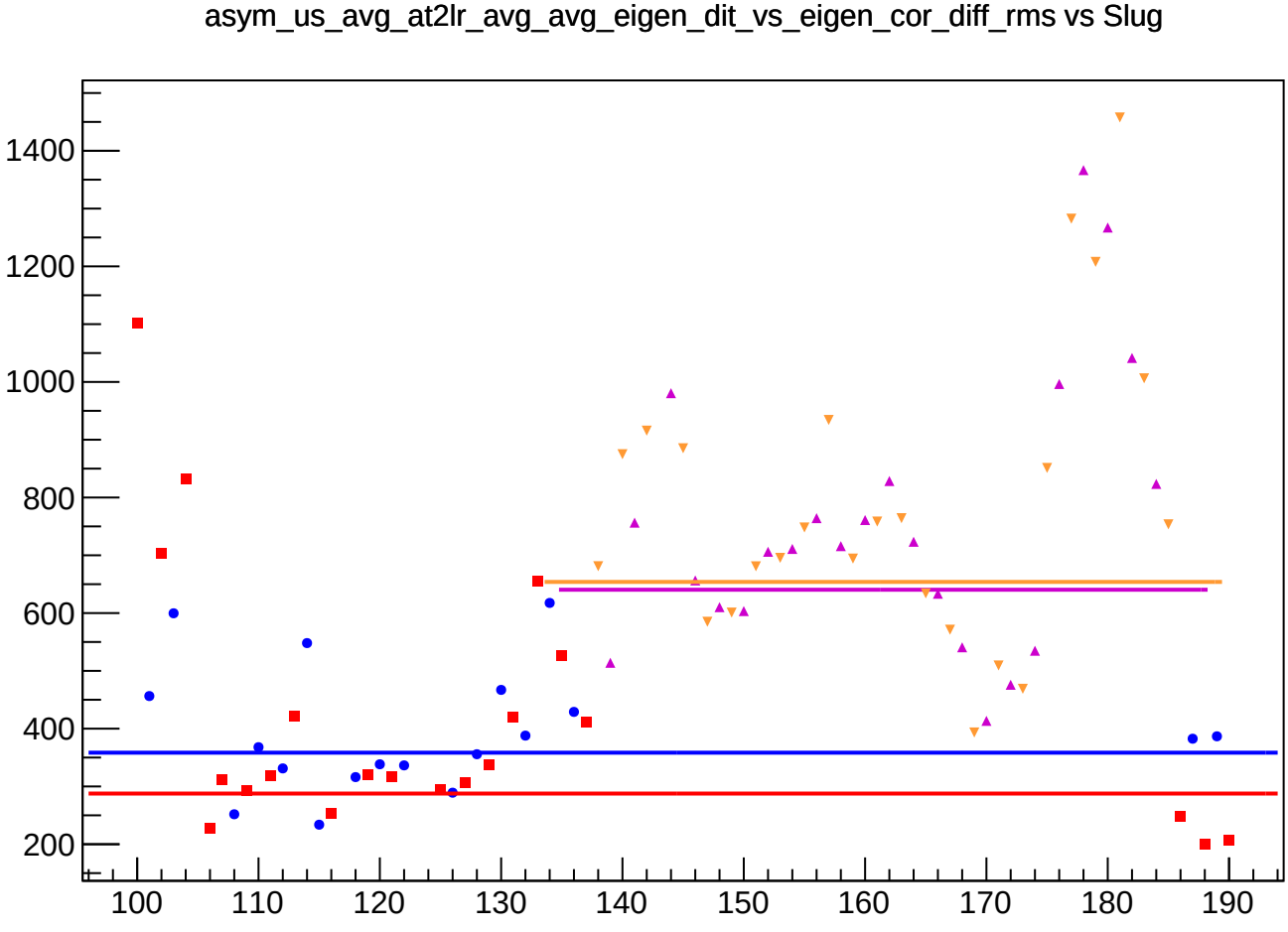
Right Out: -0.024+/-0.107 χ^2/NDF: 35.7/20

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.089+/-0.103 χ^2/NDF: 44.3/41

All: -0.022+/-0.067 χ^2/NDF: 111.4/85

- sign 0.027+/-0.089 χ^2/NDF: 66.4/43



Right In: 358.438+/-0.095 χ^2/NDF: 791851.2/17

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

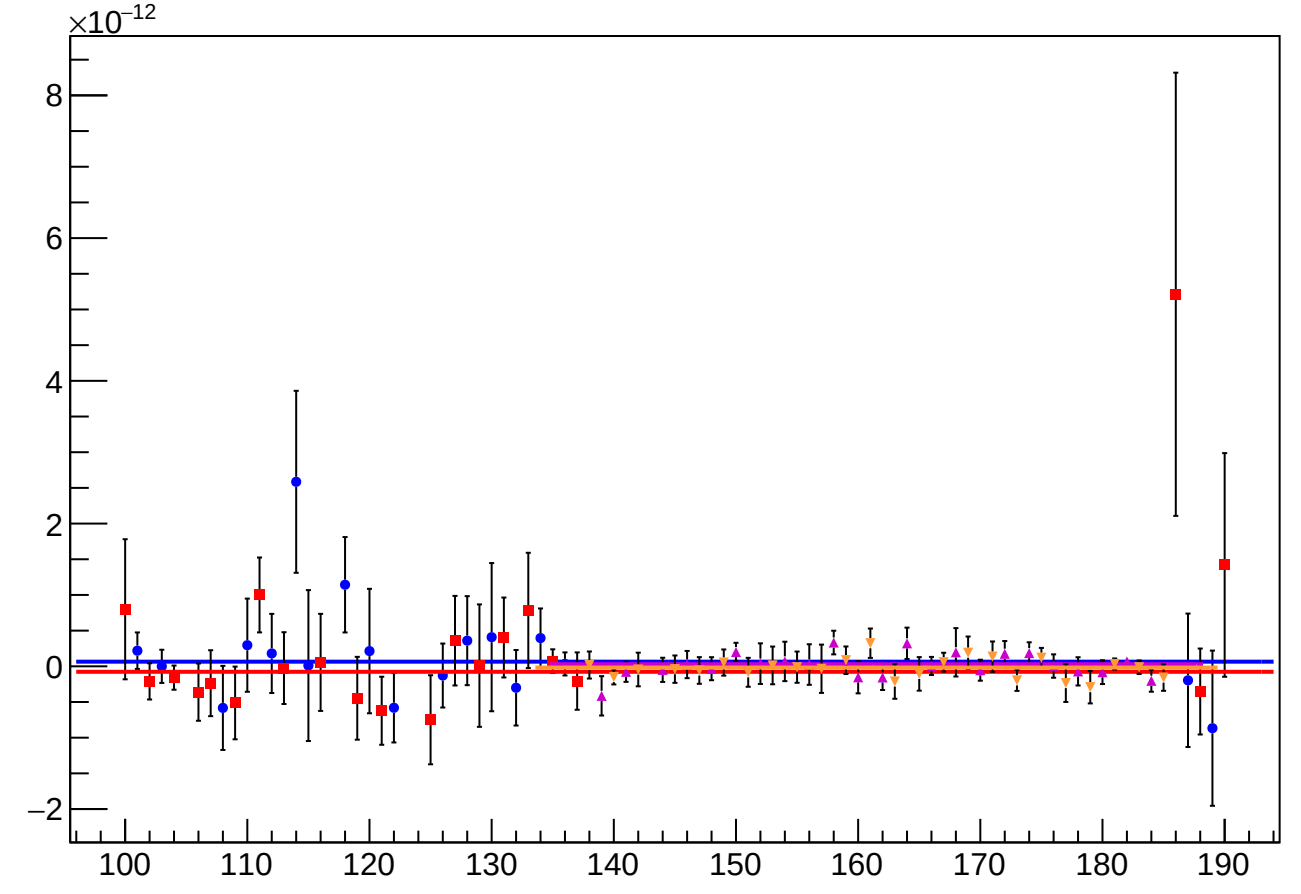
Right Out: 287.694+/-0.076 χ^2/NDF: 1911782.7/20

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

+ sign 479.535+/-0.073 χ^2/NDF: 7876548.8/41

All: 433.436+/-0.048 χ^2/NDF: 19952657.4/85

- sign 399.340+/-0.063 χ^2/NDF: 11382895.0/43



Right In: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/23

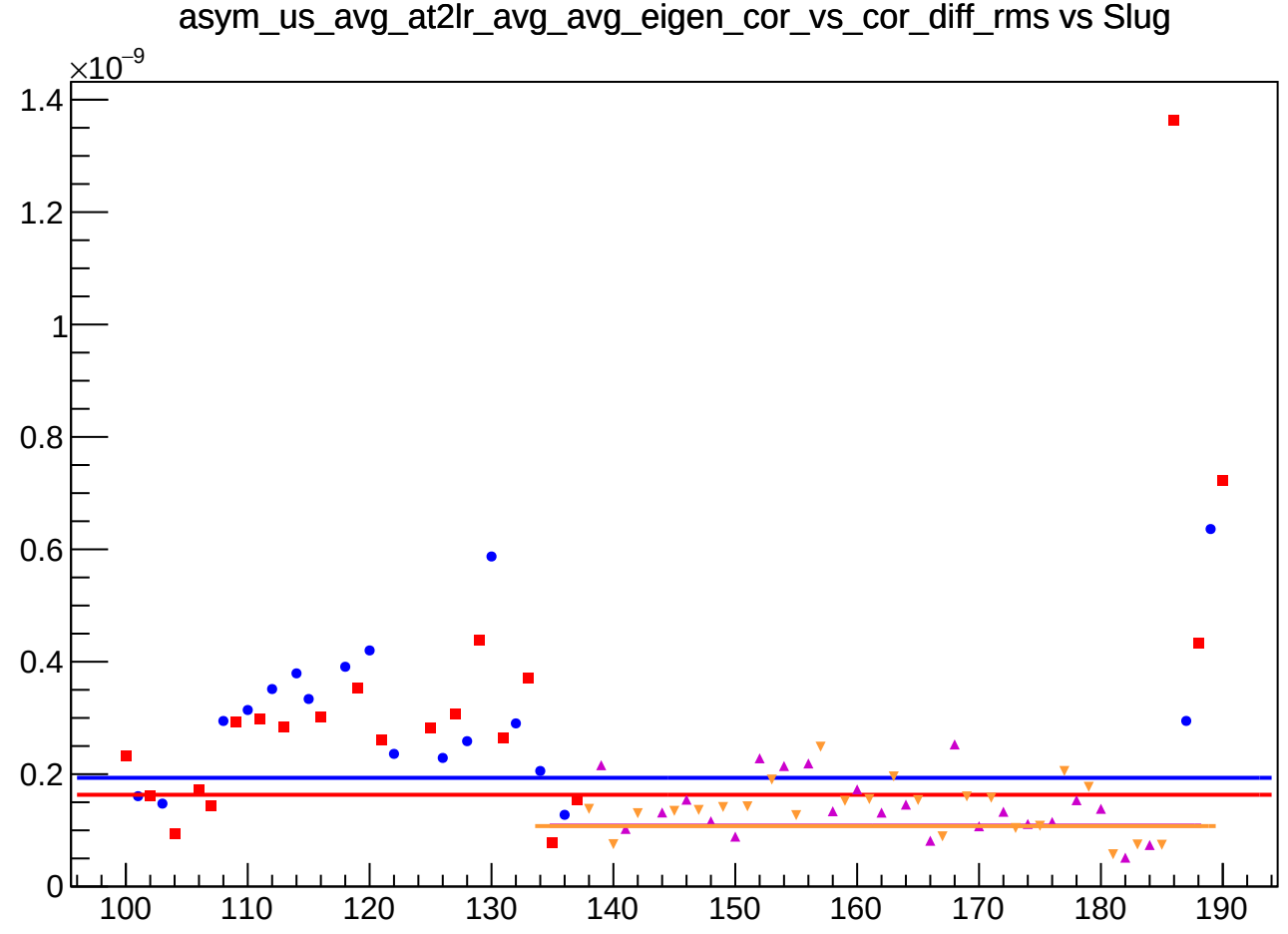
Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/20

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 26.4/41

All: 0.000+/-0.000 χ^2/NDF: 63.0/85

- sign 0.000+/-0.000 χ^2/NDF: 36.3/43



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: 3173656.2/20

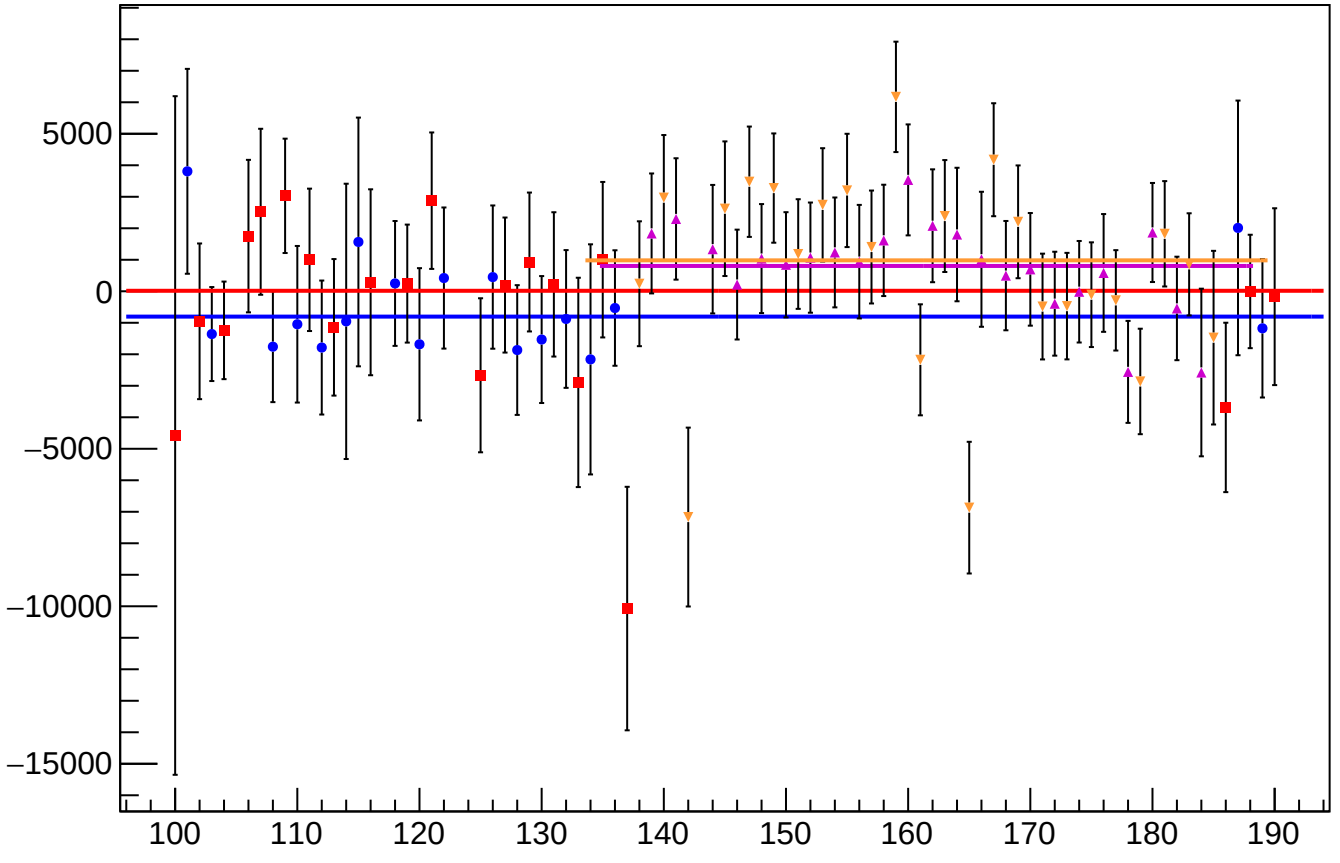
Left In: 0.000+/-0.000 χ^2/NDF:3869719.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 6775558.7/41

All: 0.000+/-0.000 χ^2/NDF: 14550256.0/85

- sign 0.000+/-0.000 χ^2/NDF: 7773605.0/43

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: 15.499+/-505.988 χ^2/NDF: 18.4/20

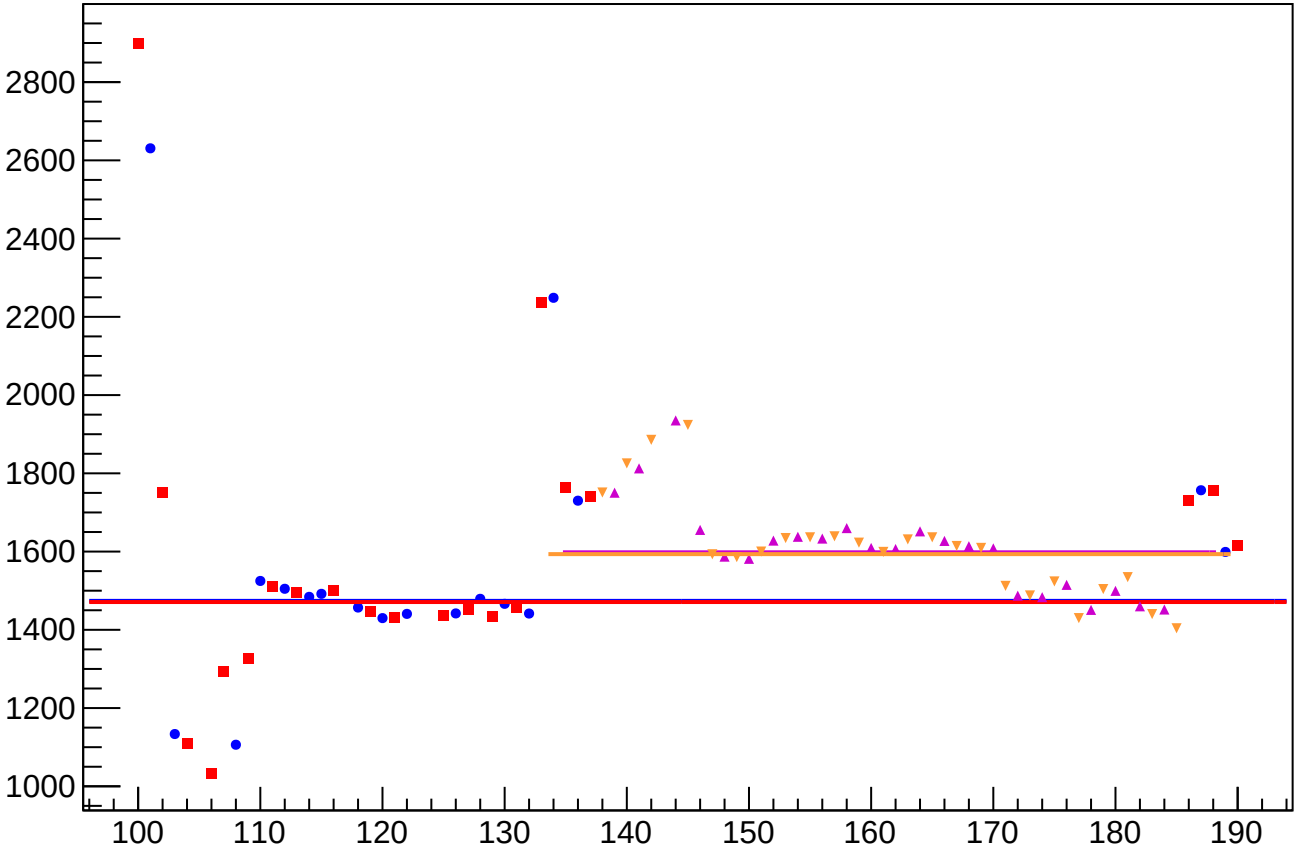
Left In: 803.908+/-374.066 χ^2/NDF:12.4/22

+ sign 399.483+/-304.455 χ^2/NDF: 68.2/41

All: 463.148+/-213.976 χ^2/NDF: 100.8/85

- sign 525.291+/-300.793 χ^2/NDF: 32.5/43

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

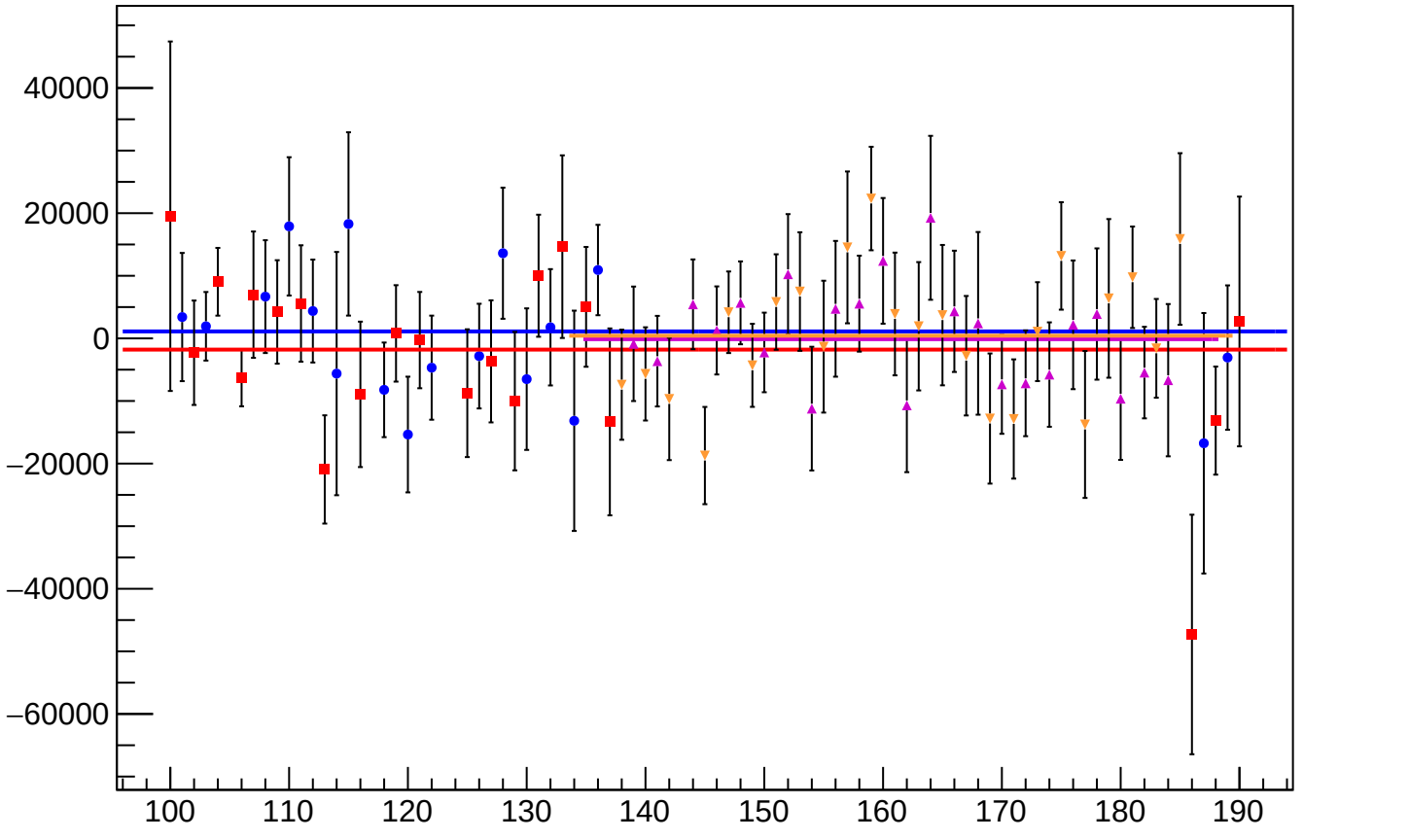
Right Out: 1471.030+/-0.356 χ^2/NDF: 497516.3/20

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1554.521+/-0.215 χ^2/NDF: 848501.5/41

All: 1553.667+/-0.151 χ^2/NDF: 1597459.6/85

- sign 1552.838+/-0.212 χ^2/NDF: 748927.1/43



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: -1793.508+/-1939.639 χ^2/NDF: 25.2/20

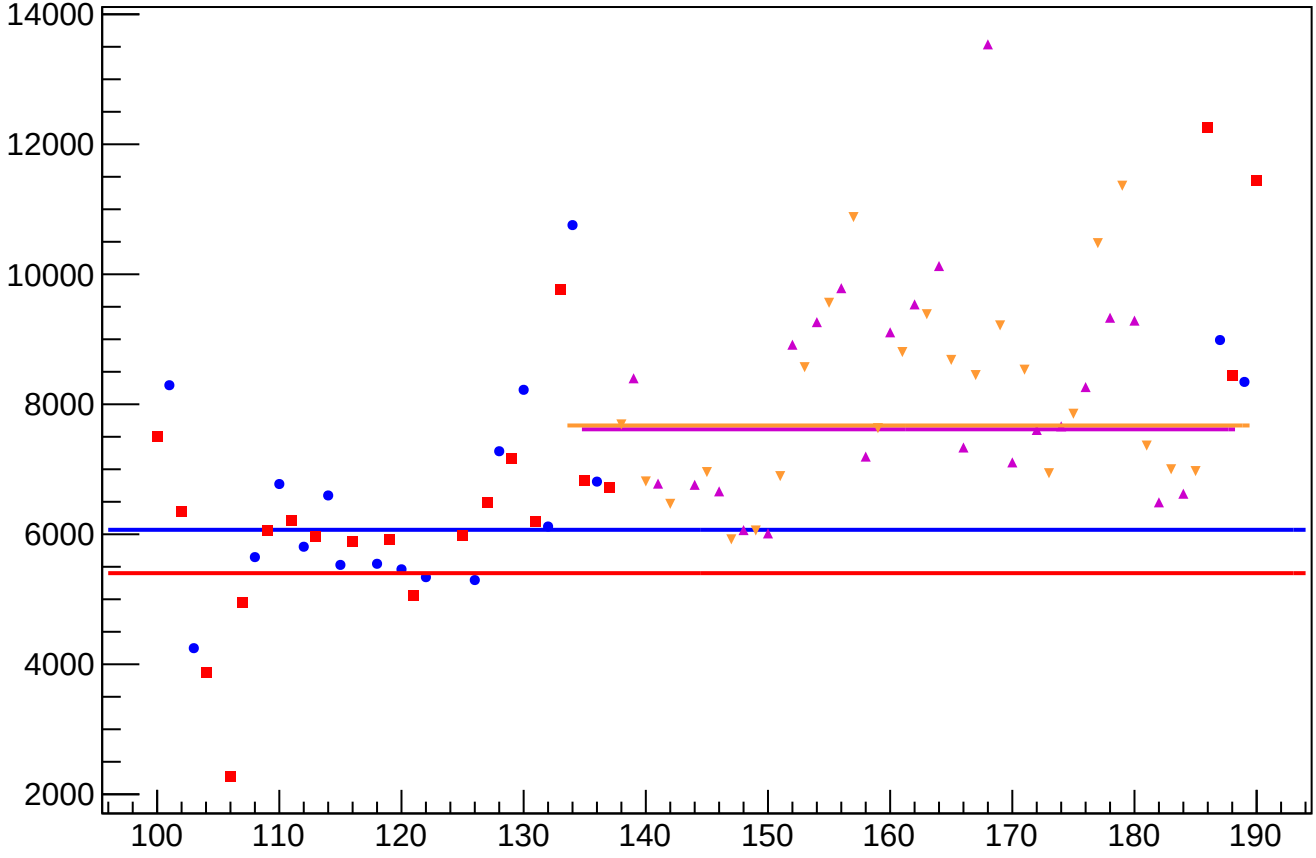
Left In: -126.369+/-1814.830 χ^2/NDF:13.9/22

+ sign 703.801+/-1405.566 χ^2/NDF: 44.5/41

All: -147.679+/-964.220 χ^2/NDF: 84.7/85

- sign -904.580+/-1325.206 χ^2/NDF: 39.5/43

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

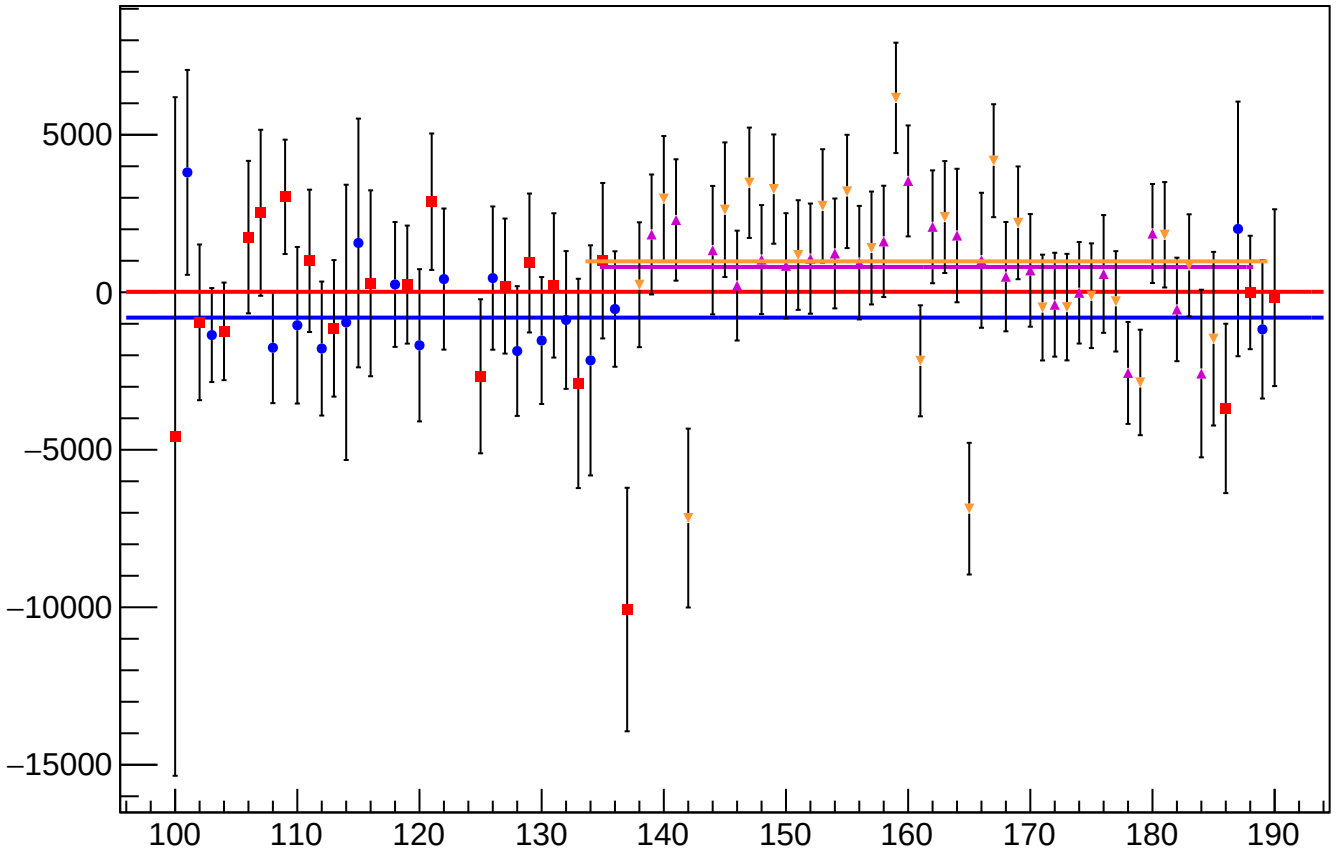
Right Out: 5401.969+/-1.372 χ^2/NDF: 2214592.7/20

Left In: 7614.974+/-1.283 χ^2/NDF:1224520.2/22

+ sign 7026.360+/-0.994 χ^2/NDF: 2468832.6/41

All: 6791.092+/-0.682 χ^2/NDF: 7401976.4/85

- sign 6581.956+/-0.937 χ^2/NDF: 4827299.5/43



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: 15.371+/-505.988 χ^2/NDF: 18.4/20

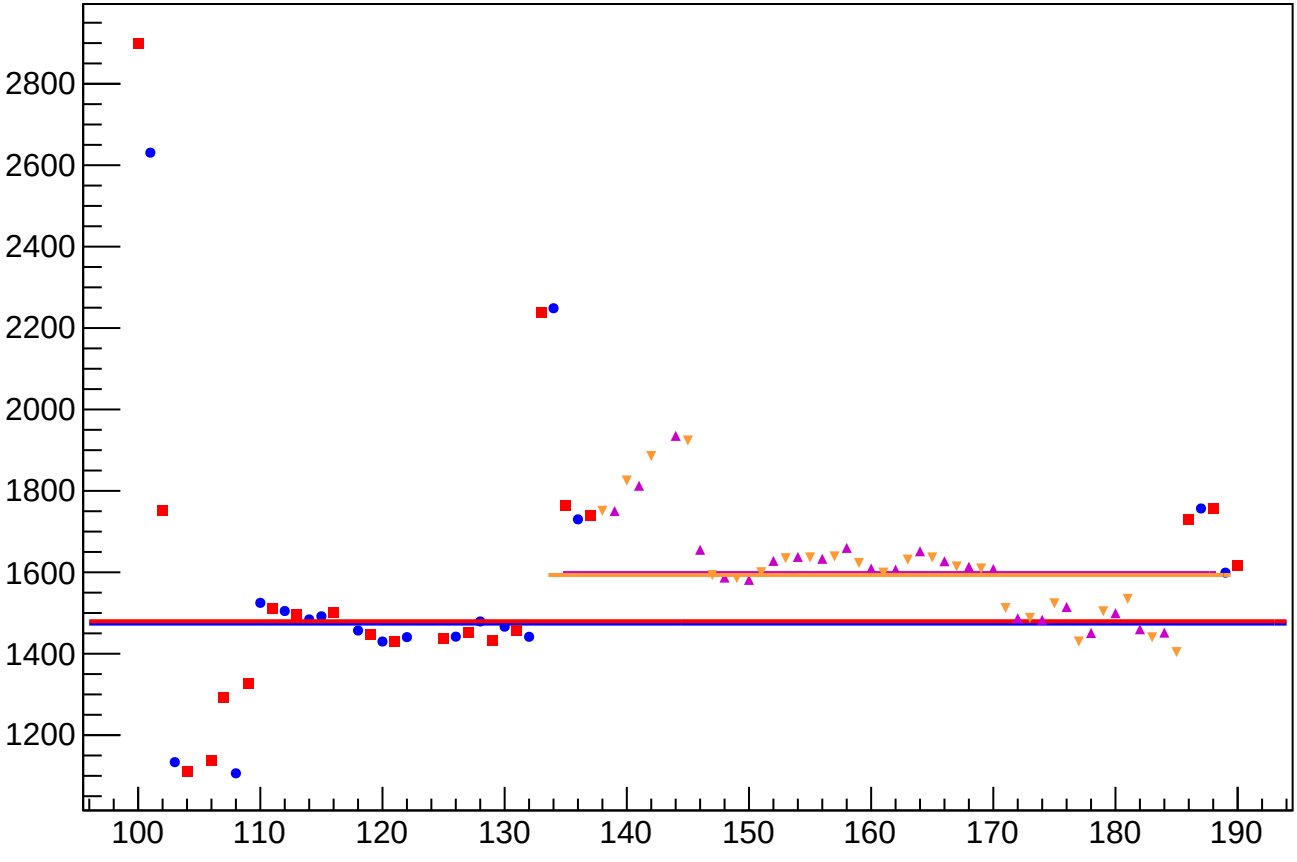
Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

\+ sign 399.509+/-304.455 χ^2/NDF: 68.2/41

All: 463.097+/-213.976 χ^2/NDF: 100.8/85

\- sign 525.164+/-300.793 χ^2/NDF: 32.5/43

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

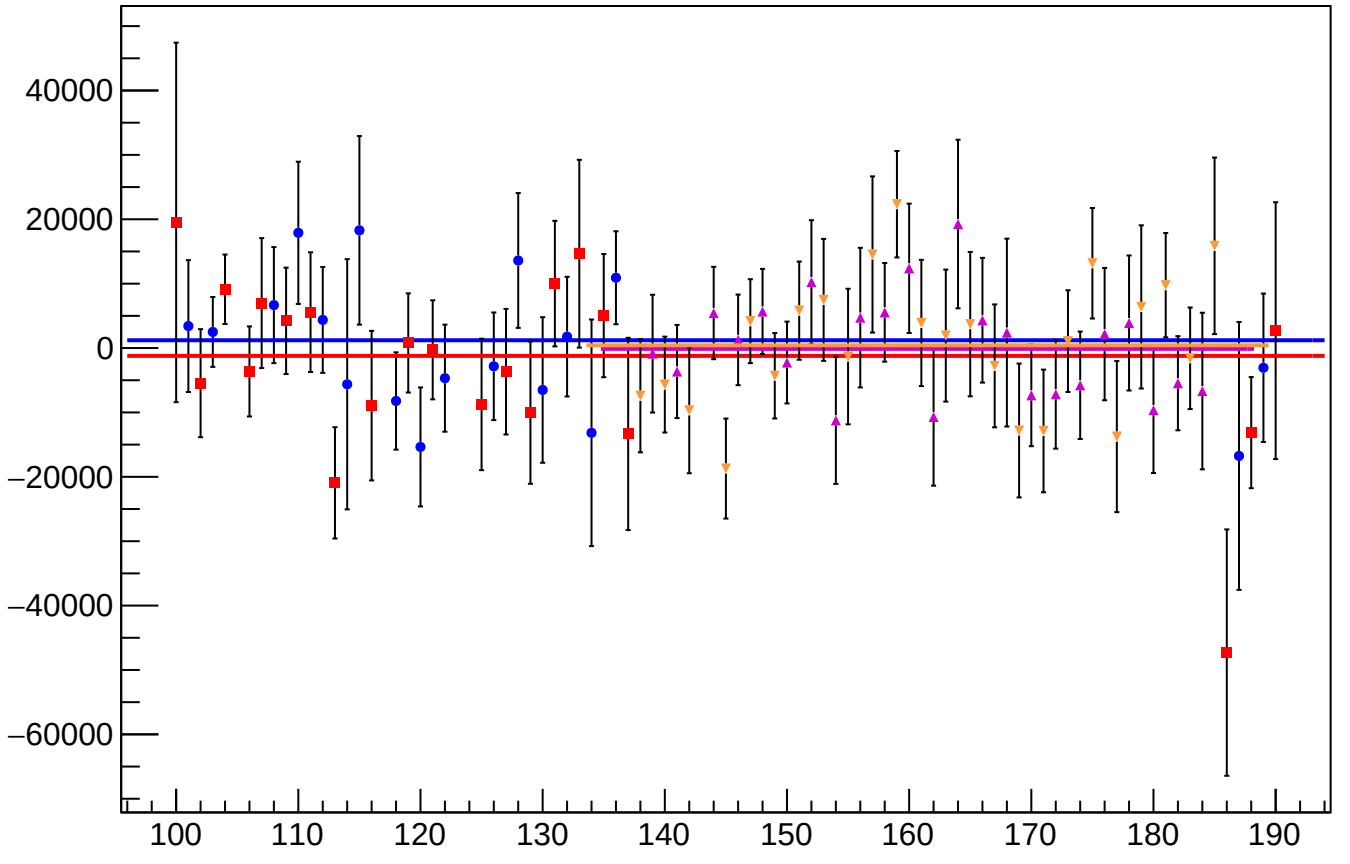
Right Out: 1479.786+/-0.357 χ^2/NDF: 454002.7/20

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1554.521+/-0.215 χ^2/NDF: 848501.9/41

All: 1555.369+/-0.151 χ^2/NDF: 1542601.4/85

- sign 1556.195+/-0.213 χ^2/NDF: 694068.9/43



Right In: 1210.994+/-2209.264 χ^2/NDF: 15.1/17

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

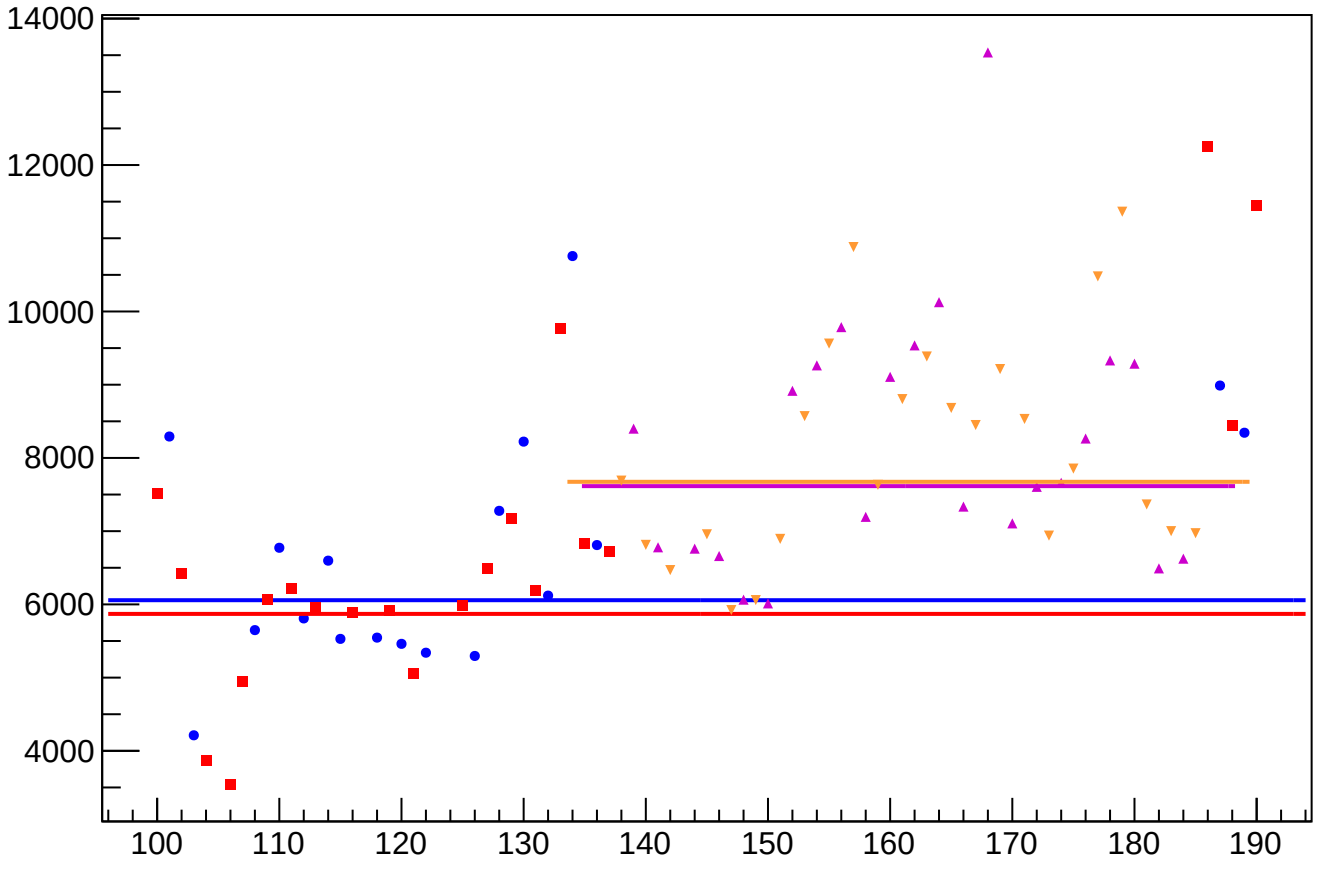
Right Out: -1215.365+/-2047.847 χ^2/NDF: 24.5/20

Left In: -126.376+/-1814.828 χ^2/NDF:13.9/22

+ sign 743.754+/-1404.668 χ^2/NDF: 44.6/41

All: 46.496+/-976.416 χ^2/NDF: 83.6/85

- sign -605.414+/-1358.223 χ^2/NDF: 38.6/43



Right In: 6057.124+/-1.562 χ^2/NDF: 777368.0/17

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

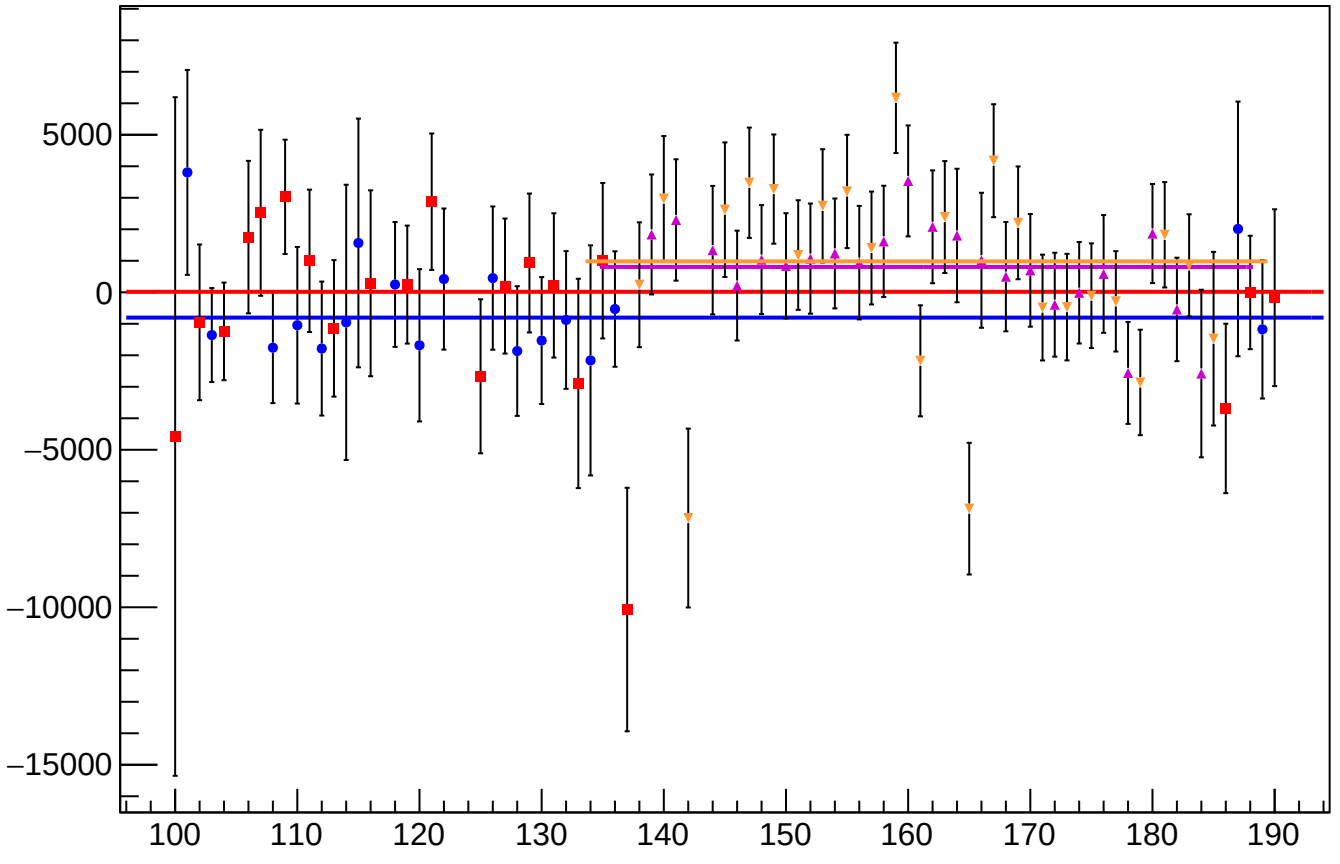
Right Out: 5870.094+/-1.448 χ^2/NDF: 1320859.3/20

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

+ sign 7020.412+/-0.993 χ^2/NDF: 2492320.6/41

All: 6931.003+/-0.690 χ^2/NDF: 5866650.0/85

- sign 6847.408+/-0.960 χ^2/NDF: 3358650.2/43



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: 15.371+/-505.988 χ^2/NDF: 18.4/20

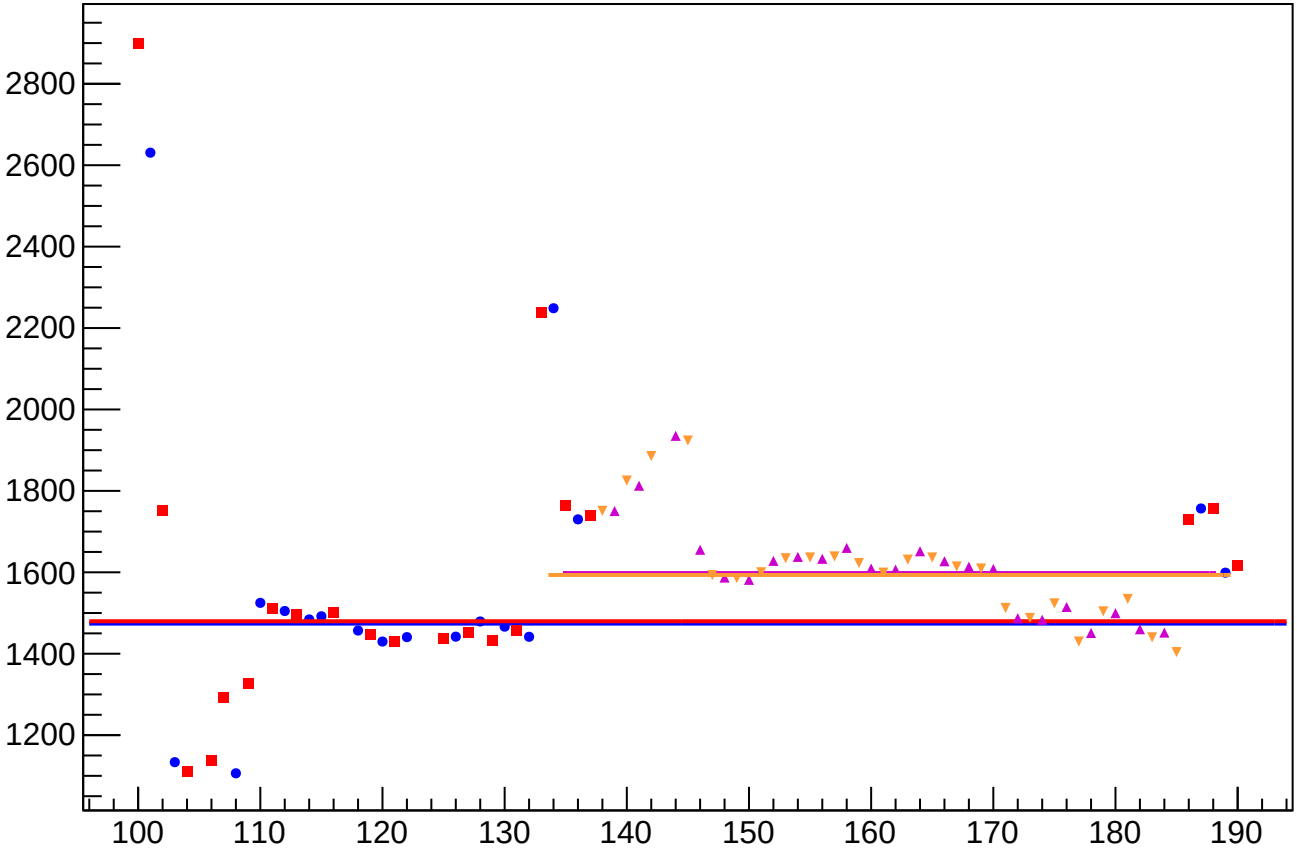
Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

+ sign 399.509+/-304.455 χ^2/NDF: 68.2/41

All: 463.097+/-213.976 χ^2/NDF: 100.8/85

- sign 525.164+/-300.793 χ^2/NDF: 32.5/43

eigen_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

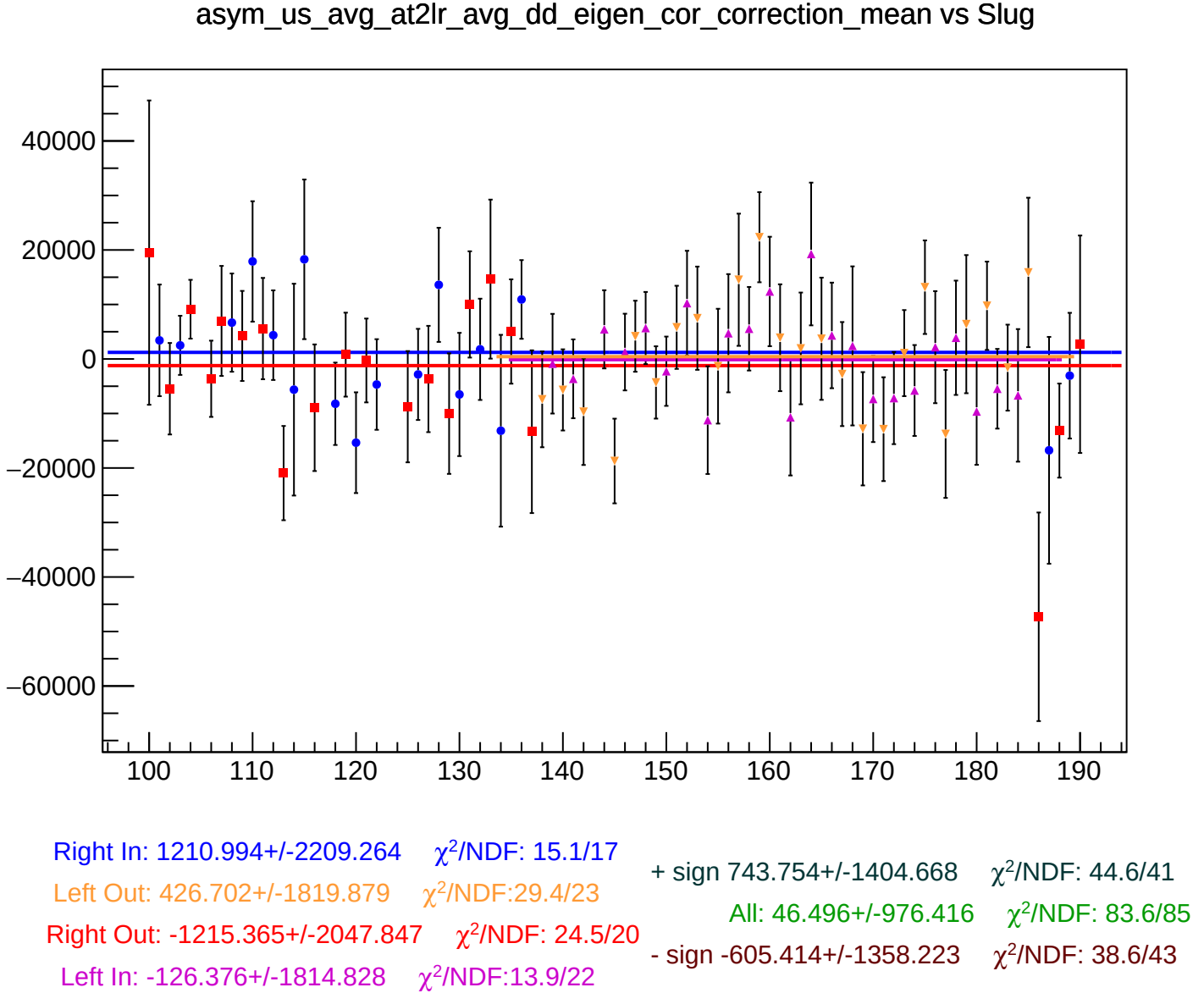
Right Out: 1479.786+/-0.357 χ^2/NDF: 454002.7/20

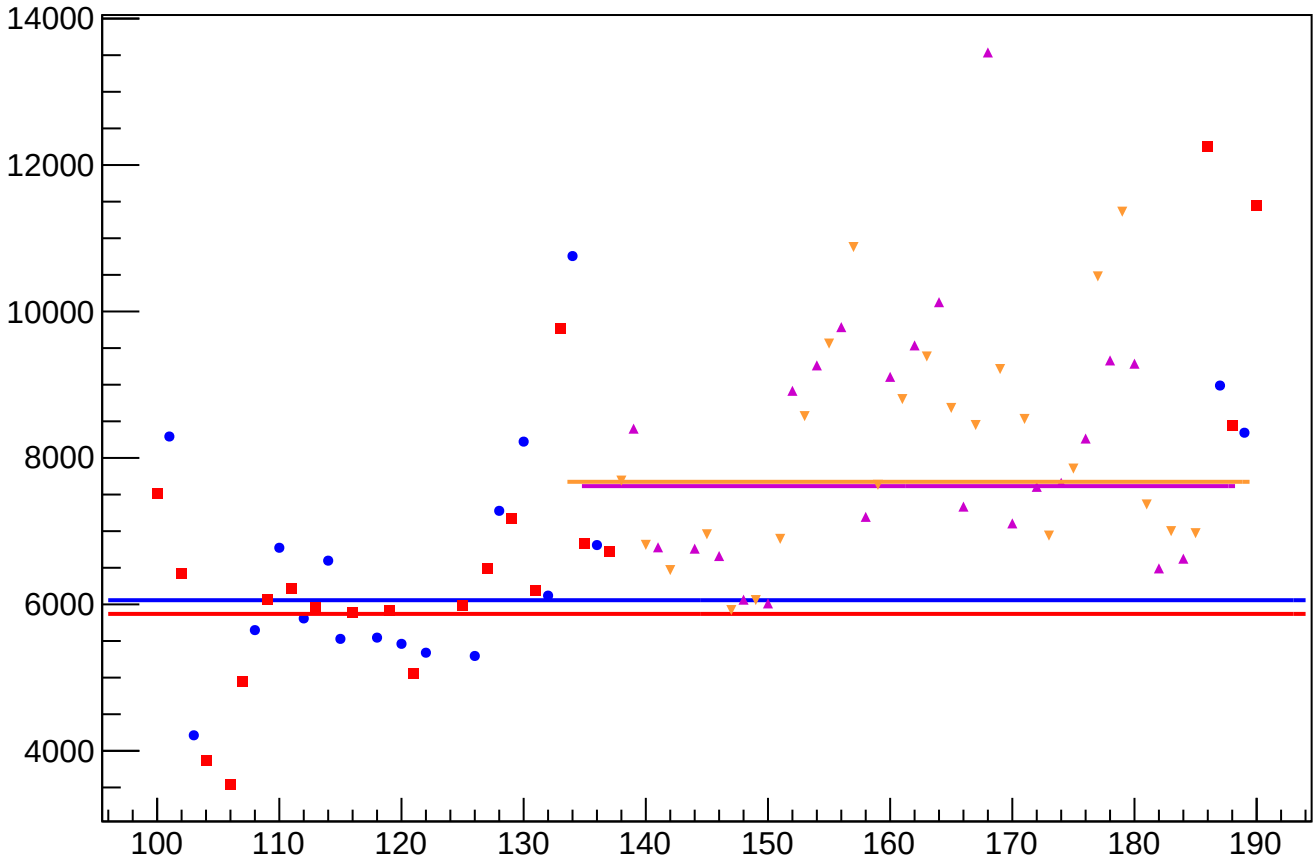
Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1554.521+/-0.215 χ^2/NDF: 848501.9/41

All: 1555.369+/-0.151 χ^2/NDF: 1542601.4/85

- sign 1556.195+/-0.213 χ^2/NDF: 694068.9/43


asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs Slug
40000
20000
0
−20000
−40000
−60000
100
110
120
130
140
150
160
170
180
190
Right In: 1210.994+/-2209.264 χ²/NDF: 15.1/17
Left Out: 426.702+/-1819.879 χ²/NDF:29.4/23
Right Out: -1215.365+/-2047.847 χ²/NDF: 24.5/20
Left In: -126.376+/-1814.828 χ²/NDF:13.9/22
+ sign 743.754+/-1404.668 χ²/NDF: 44.6/41
All: 46.496+/-976.416 χ²/NDF: 83.6/85
- sign -605.414+/-1358.223 χ²/NDF: 38.6/43



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: 5870.094+/-1.448 χ^2/NDF: 1320859.3/20

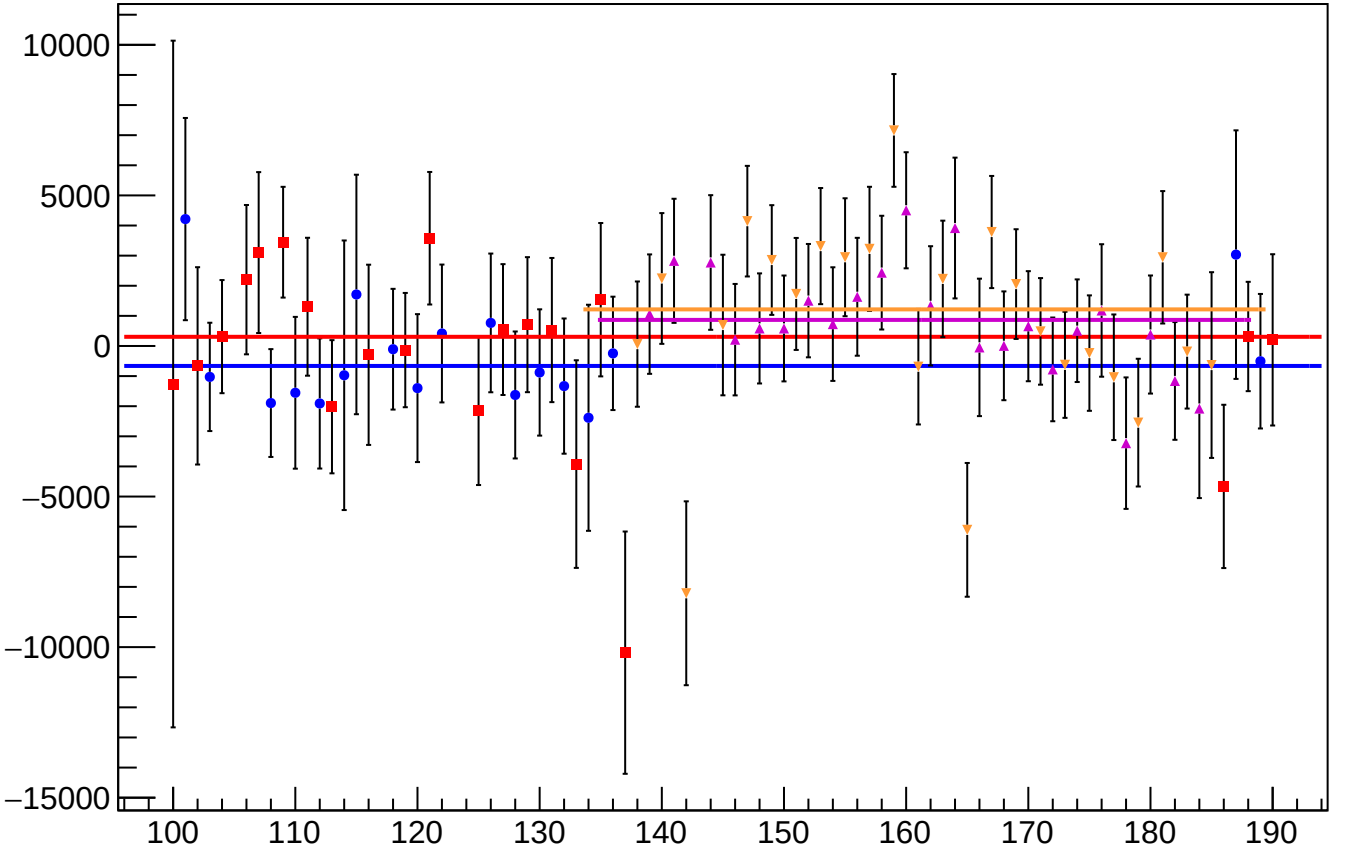
Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

+ sign 7020.412+/-0.993 χ^2/NDF: 2492320.6/41

All: 6931.003+/-0.690 χ^2/NDF: 5866650.0/85

- sign 6847.408+/-0.960 χ^2/NDF: 3358650.2/43

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: 304.657+/-528.038 χ^2/NDF: 21.2/20

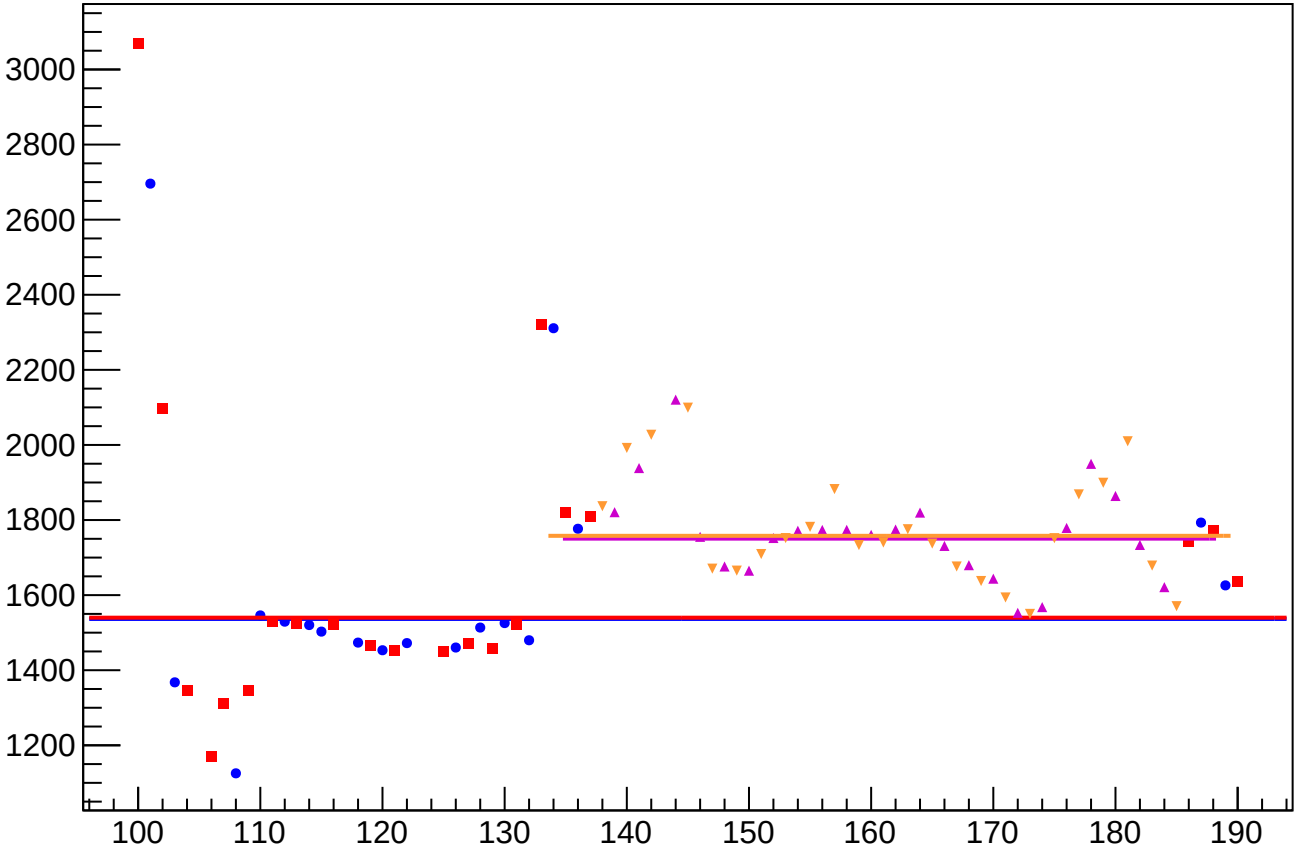
Left In: 866.022+/-410.038 χ^2/NDF:15.1/22

+ sign 552.427+/-329.466 χ^2/NDF: 61.5/41

All: 604.519+/-230.960 χ^2/NDF: 98.6/85

- sign 654.853+/-323.860 χ^2/NDF: 37.1/43

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

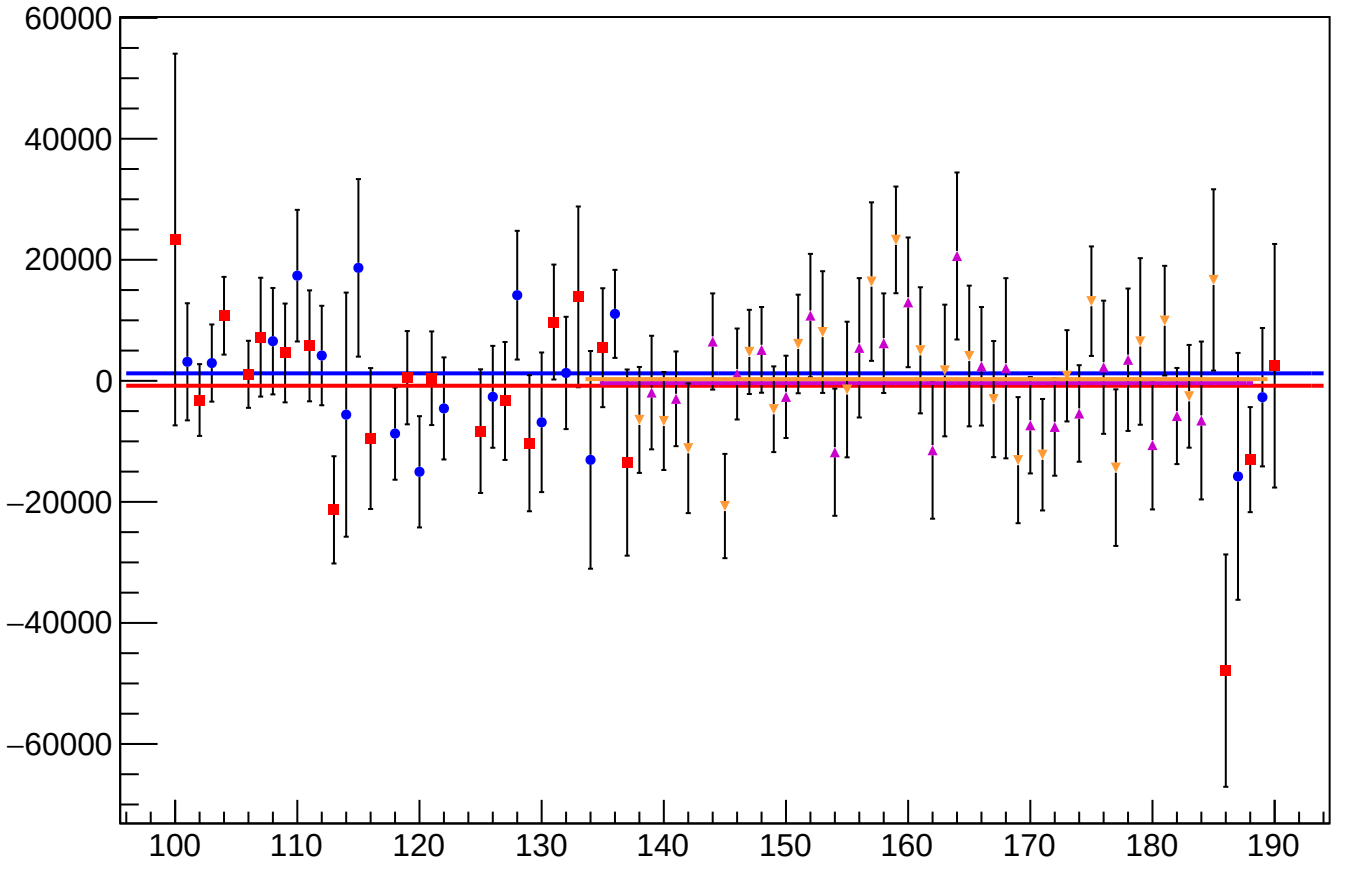
Right Out: 1539.913+/-0.373 χ^2/NDF: 393097.6/20

Left In: 1750.477+/-0.290 χ^2/NDF:171889.4/22

+ sign 1679.818+/-0.233 χ^2/NDF: 919551.8/41

All: 1675.457+/-0.163 χ^2/NDF: 1683684.5/85

- sign 1671.245+/-0.229 χ^2/NDF: 763443.8/43



Right In: 1237.569+/-2259.703 χ^2/NDF: 15.1/17

Left Out: 284.925+/-1920.134 χ^2/NDF:28.7/23

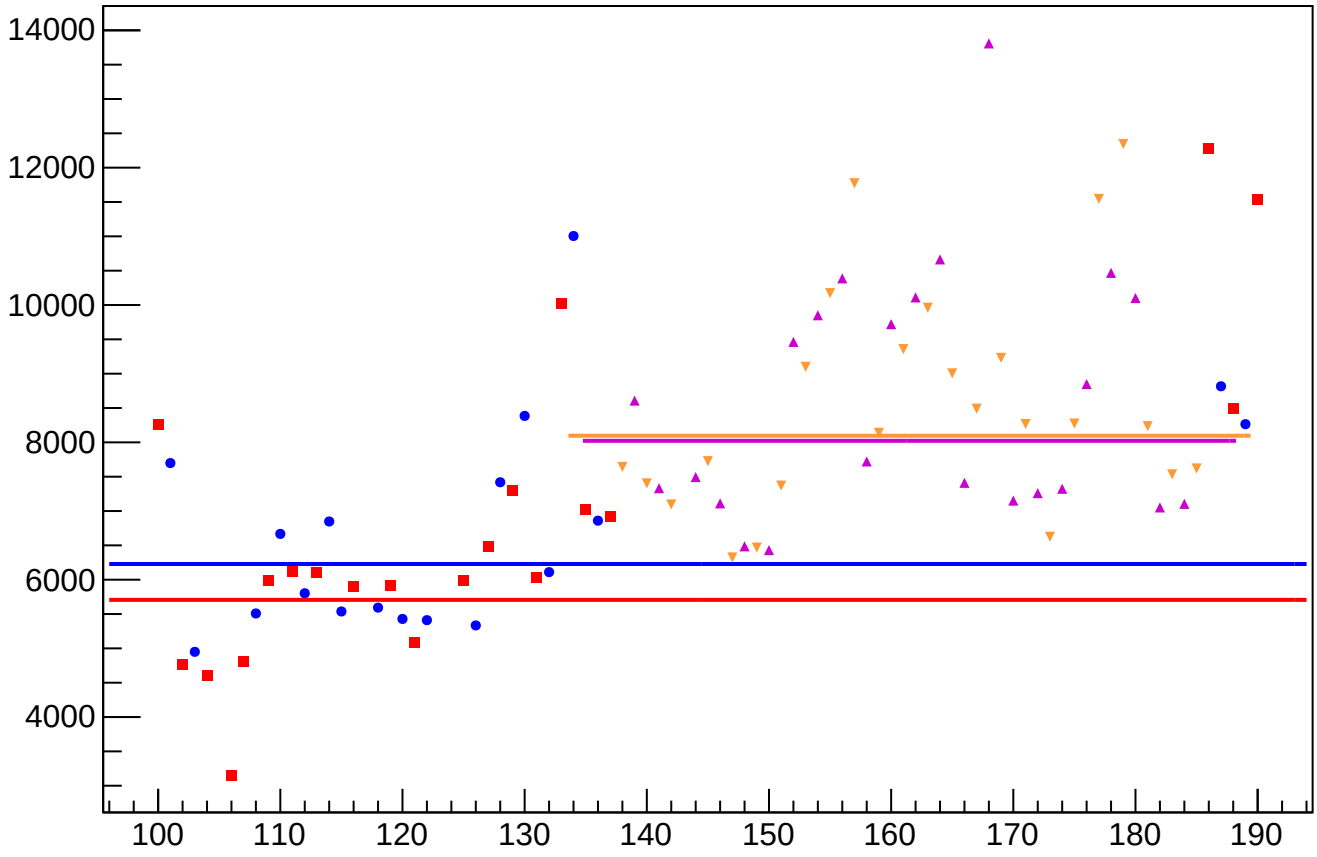
Right Out: -810.321+/-1984.533 χ^2/NDF: 24.4/20

Left In: -382.660+/-1912.385 χ^2/NDF:13.6/22

+ sign 684.362+/-1463.222 χ^2/NDF: 43.9/41

All: 9.313+/-1002.806 χ^2/NDF: 82.2/85

- sign -588.576+/-1377.060 χ^2/NDF: 38.0/43



Right In: 6228.367+/-1.598 χ^2/NDF: 572427.6/17

Left Out: 8096.821+/-1.358 χ^2/NDF:1087790.8/23

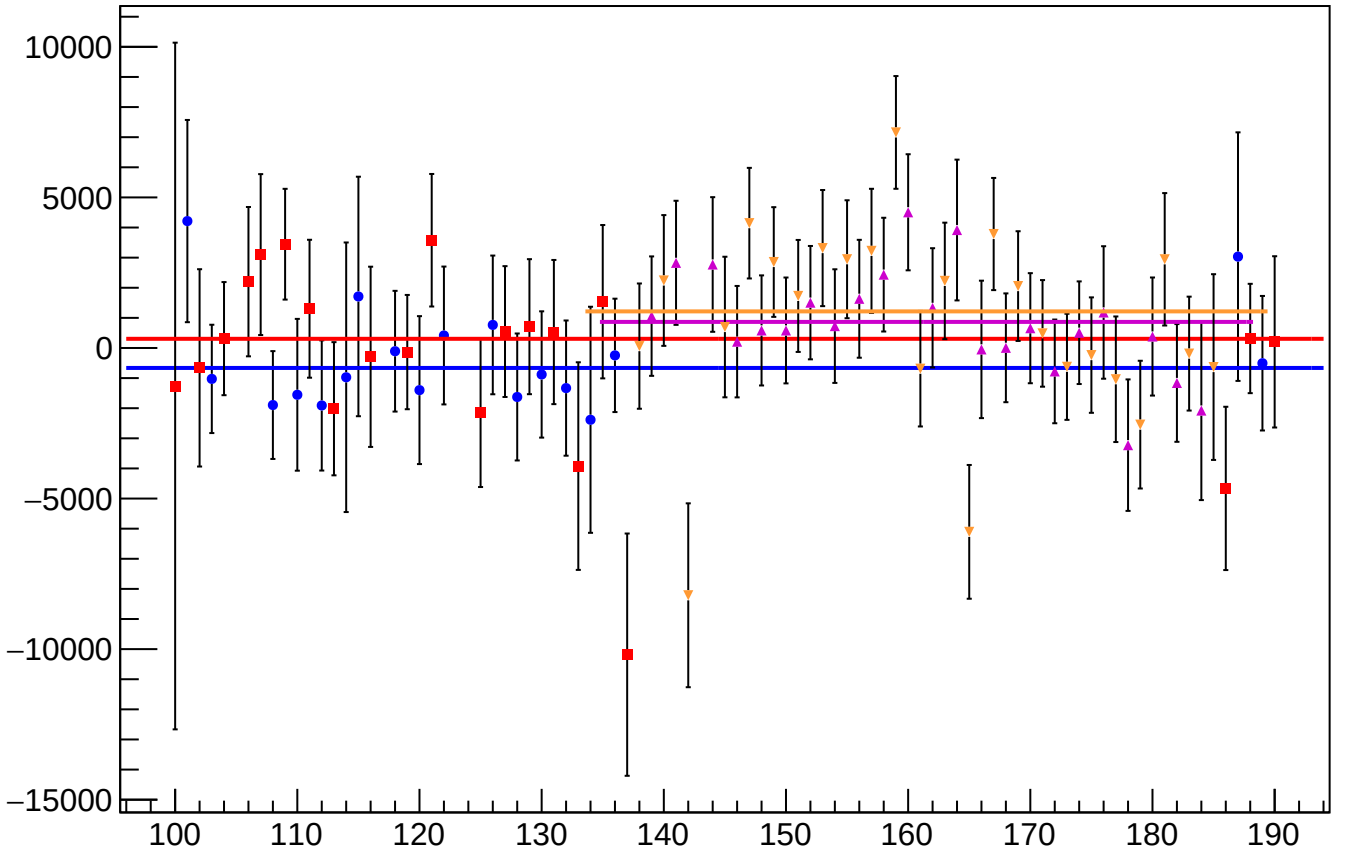
Right Out: 5706.559+/-1.403 χ^2/NDF: 1471611.4/20

Left In: 8022.726+/-1.352 χ^2/NDF:1225549.2/22

+ sign 7313.391+/-1.035 χ^2/NDF: 2454270.6/41

All: 7098.149+/-0.709 χ^2/NDF: 6645604.8/85

- sign 6907.509+/-0.974 χ^2/NDF: 4109725.4/43



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: 304.667+/-528.038 χ^2/NDF: 21.2/20

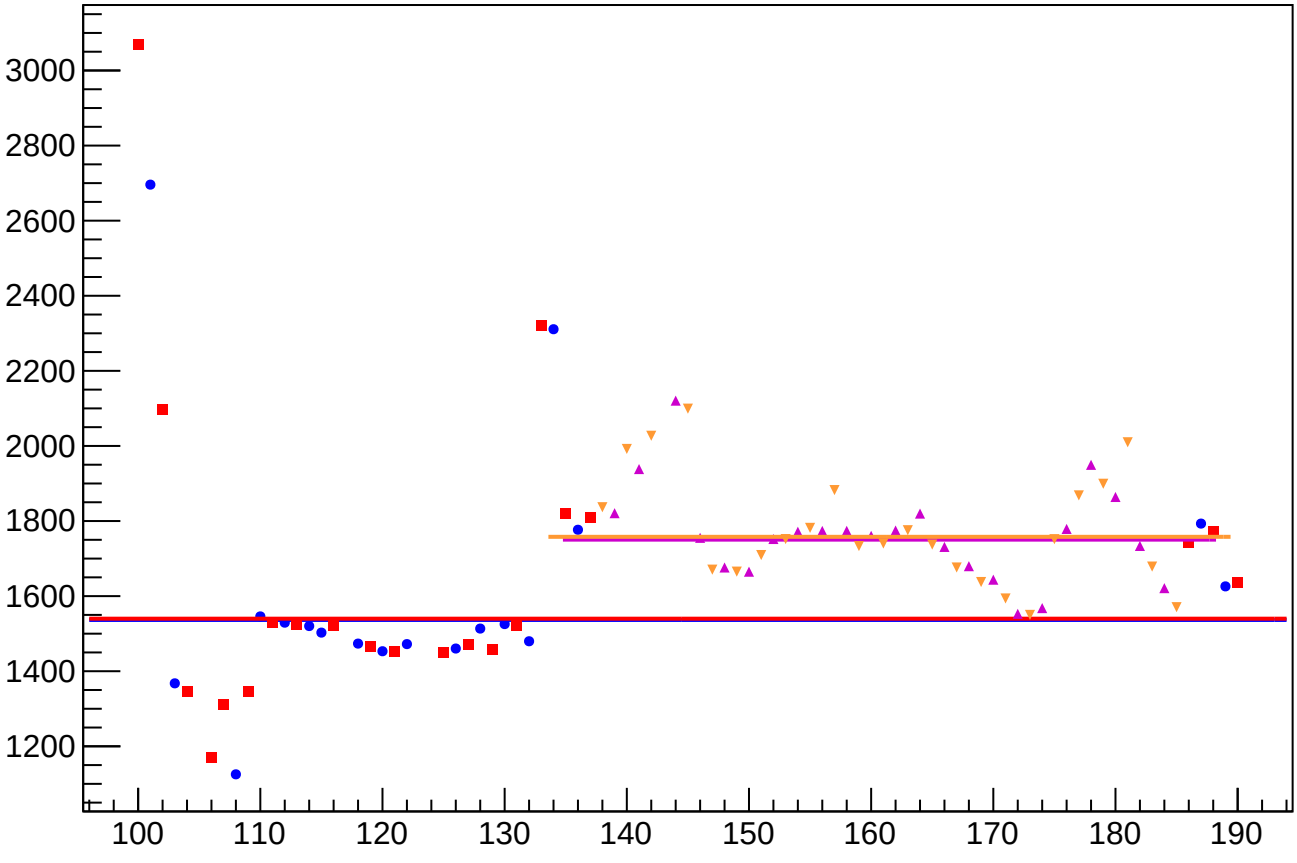
Left In: 866.021+/-410.039 χ^2/NDF:15.1/22

\+ sign 552.429+/-329.466 χ^2/NDF: 61.5/41

All: 604.521+/-230.960 χ^2/NDF: 98.6/85

\- sign 654.855+/-323.860 χ^2/NDF: 37.1/43

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

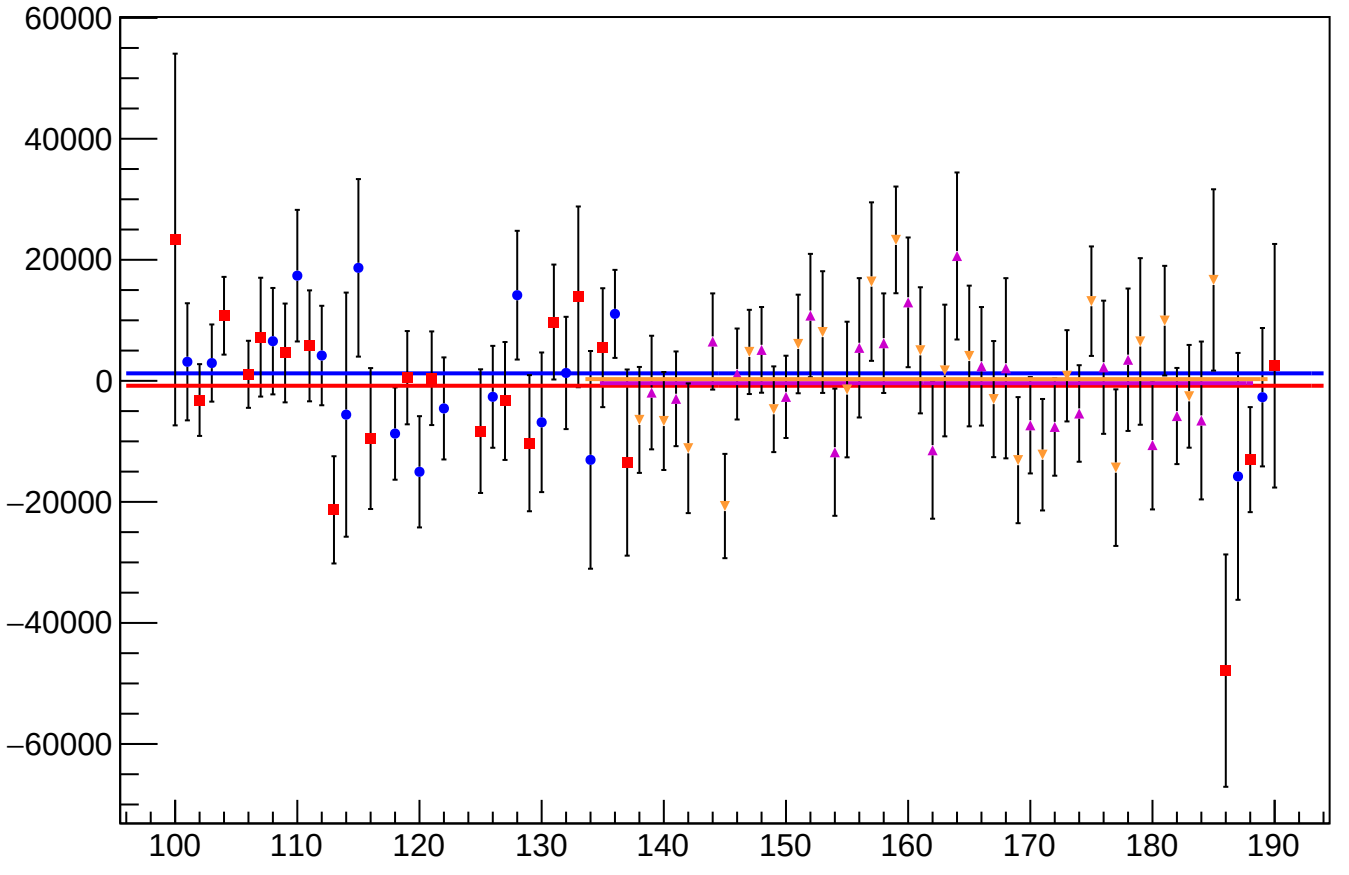
Right Out: 1539.913+/-0.373 χ^2/NDF: 393097.6/20

Left In: 1750.480+/-0.290 χ^2/NDF:171897.3/22

+ sign 1679.820+/-0.233 χ^2/NDF: 919564.6/41

All: 1675.459+/-0.163 χ^2/NDF: 1683710.2/85

- sign 1671.246+/-0.229 χ^2/NDF: 763456.8/43



Right In: 1237.552+/-2259.699 χ^2/NDF: 15.1/17

Left Out: 284.927+/-1920.138 χ^2/NDF:28.7/23

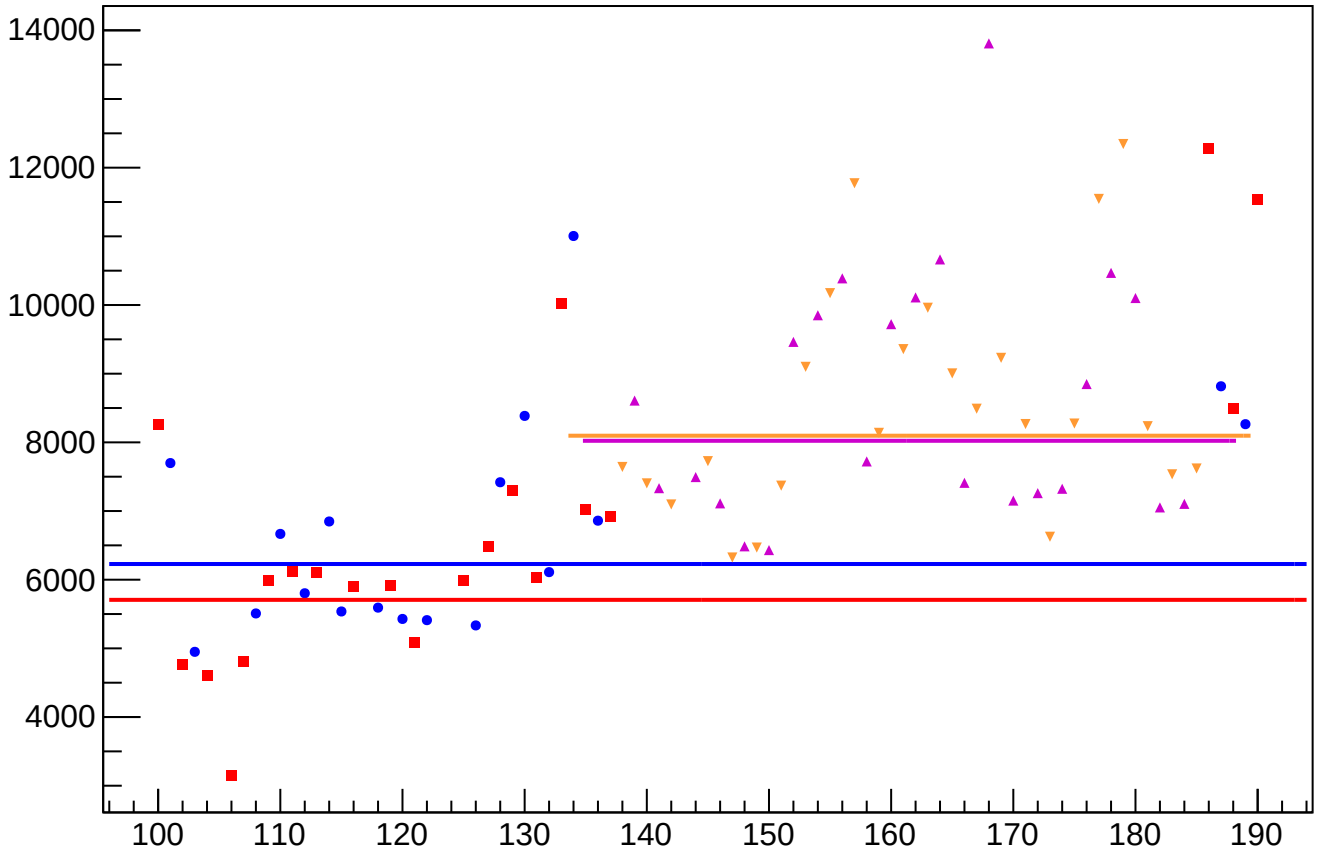
Right Out: -810.310+/-1984.529 χ^2/NDF: 24.4/20

Left In: -382.663+/-1912.388 χ^2/NDF:13.6/22

+ sign 684.357+/-1463.222 χ^2/NDF: 43.9/41

All: 9.312+/-1002.806 χ^2/NDF: 82.2/85

- sign -588.573+/-1377.060 χ^2/NDF: 38.0/43



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: 5706.548+/-1.403 χ^2/NDF: 1471614.8/20

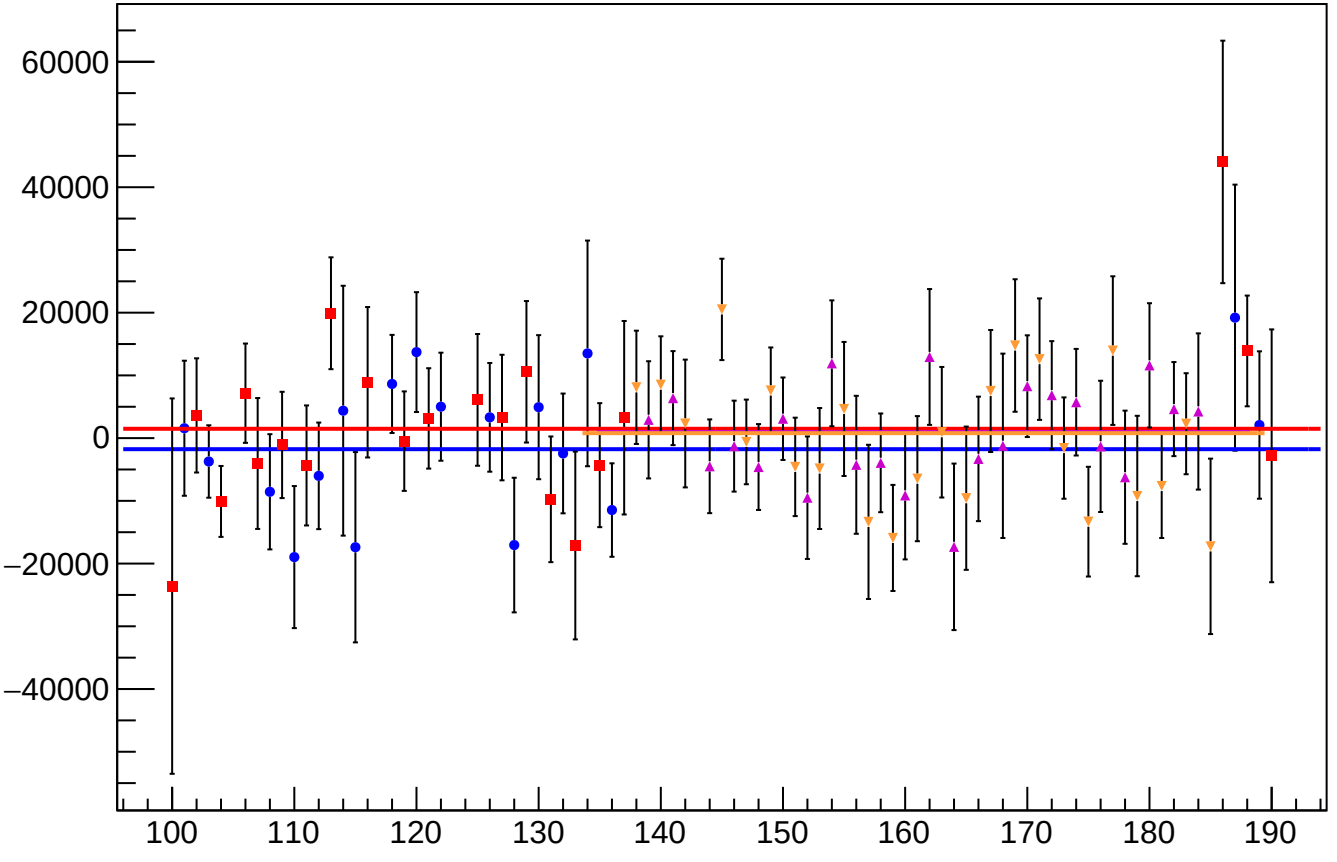
Left In: 8022.738+/-1.352 χ^2/NDF:1225553.6/22

+ sign 7313.390+/-1.035 χ^2/NDF: 2454299.7/41

All: 7098.147+/-0.709 χ^2/NDF: 6645670.9/85

- sign 6907.506+/-0.974 χ^2/NDF: 4109761.7/43

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: 1487.797+/-2135.589 χ^2/NDF: 21.9/20

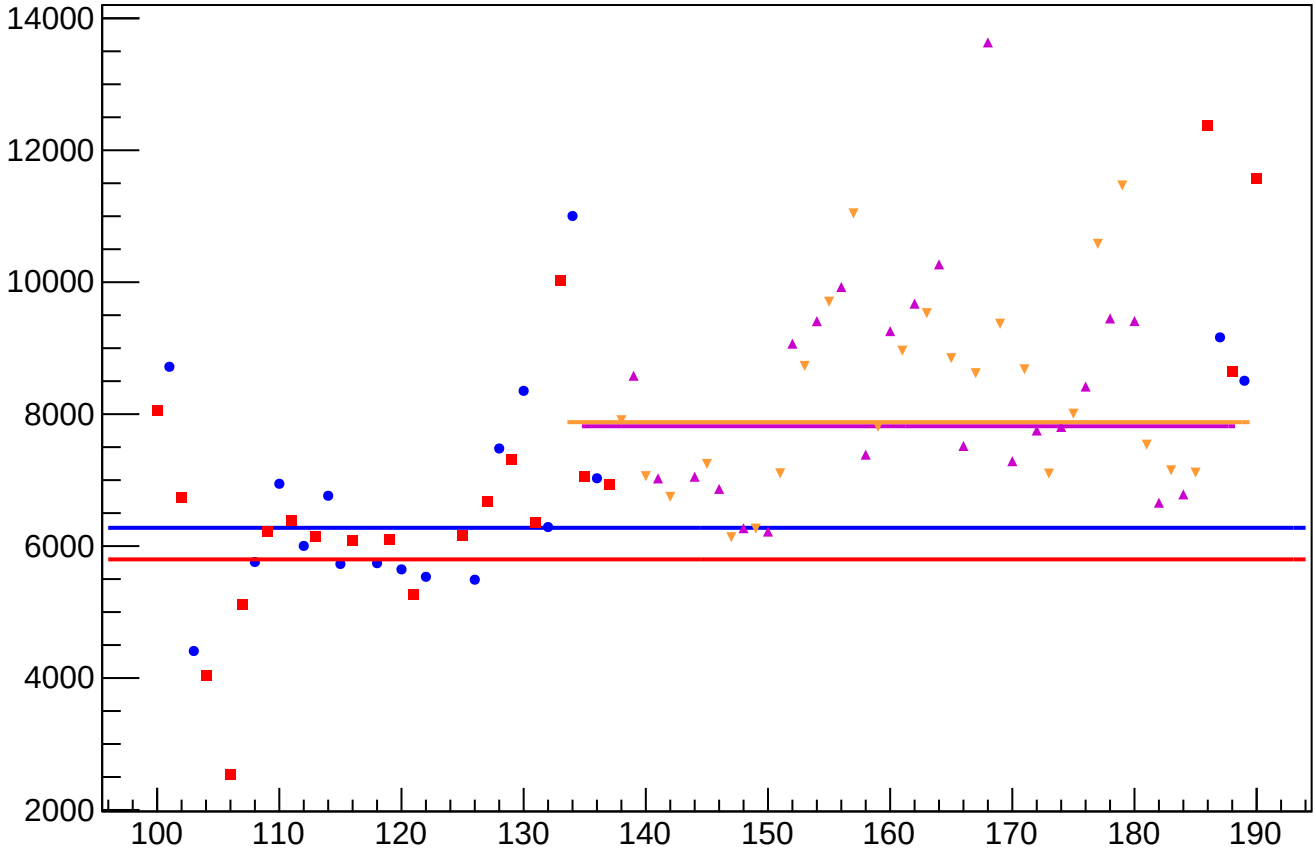
Left In: 963.967+/-1859.926 χ^2/NDF:12.8/22

+ sign -228.197+/-1445.827 χ^2/NDF: 43.6/41

All: 502.389+/-1006.712 χ^2/NDF: 78.8/85

- sign 1189.913+/-1402.569 χ^2/NDF: 34.7/43

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

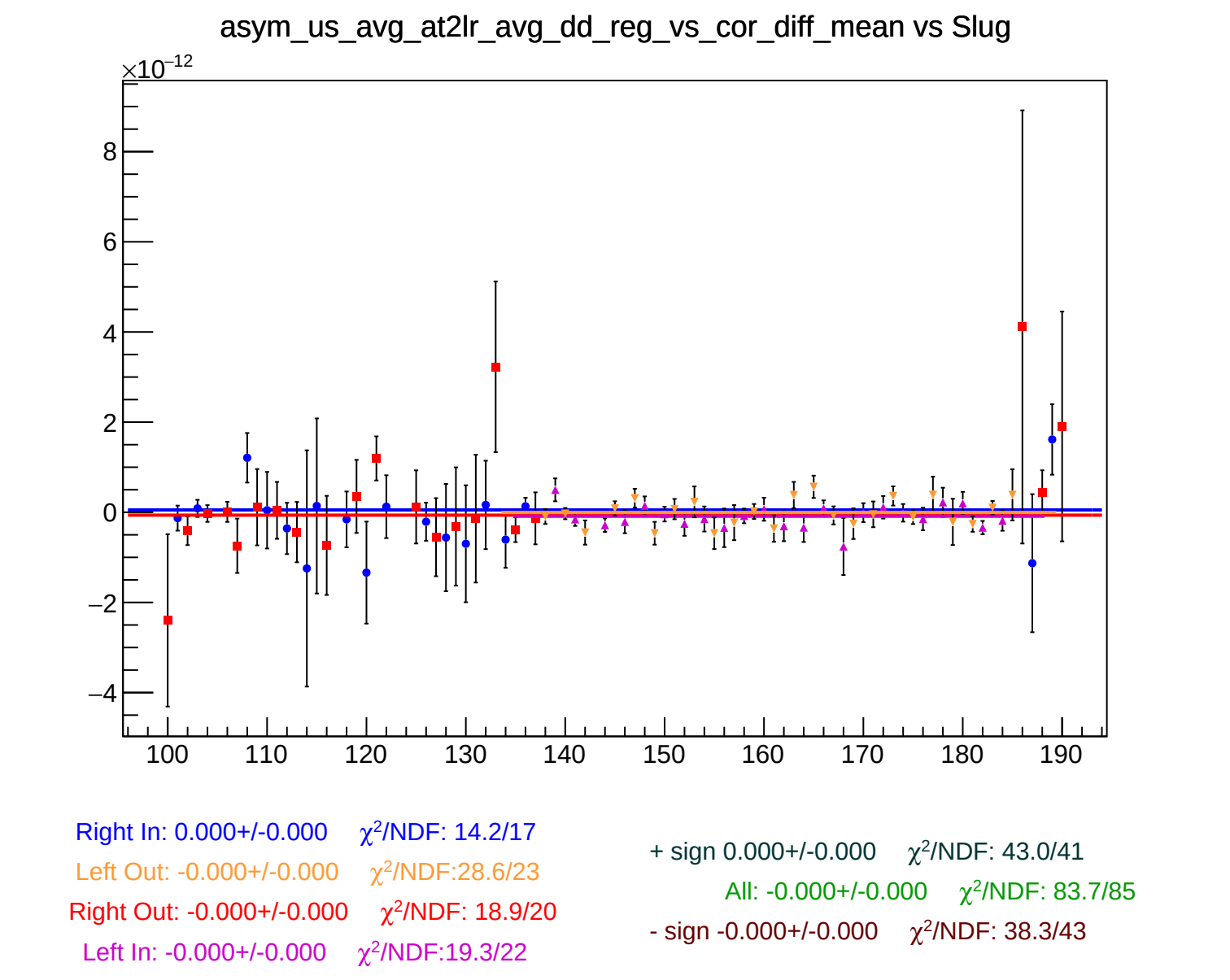
Right Out: 5798.681+/-1.460 χ^2/NDF: 1794775.2/20

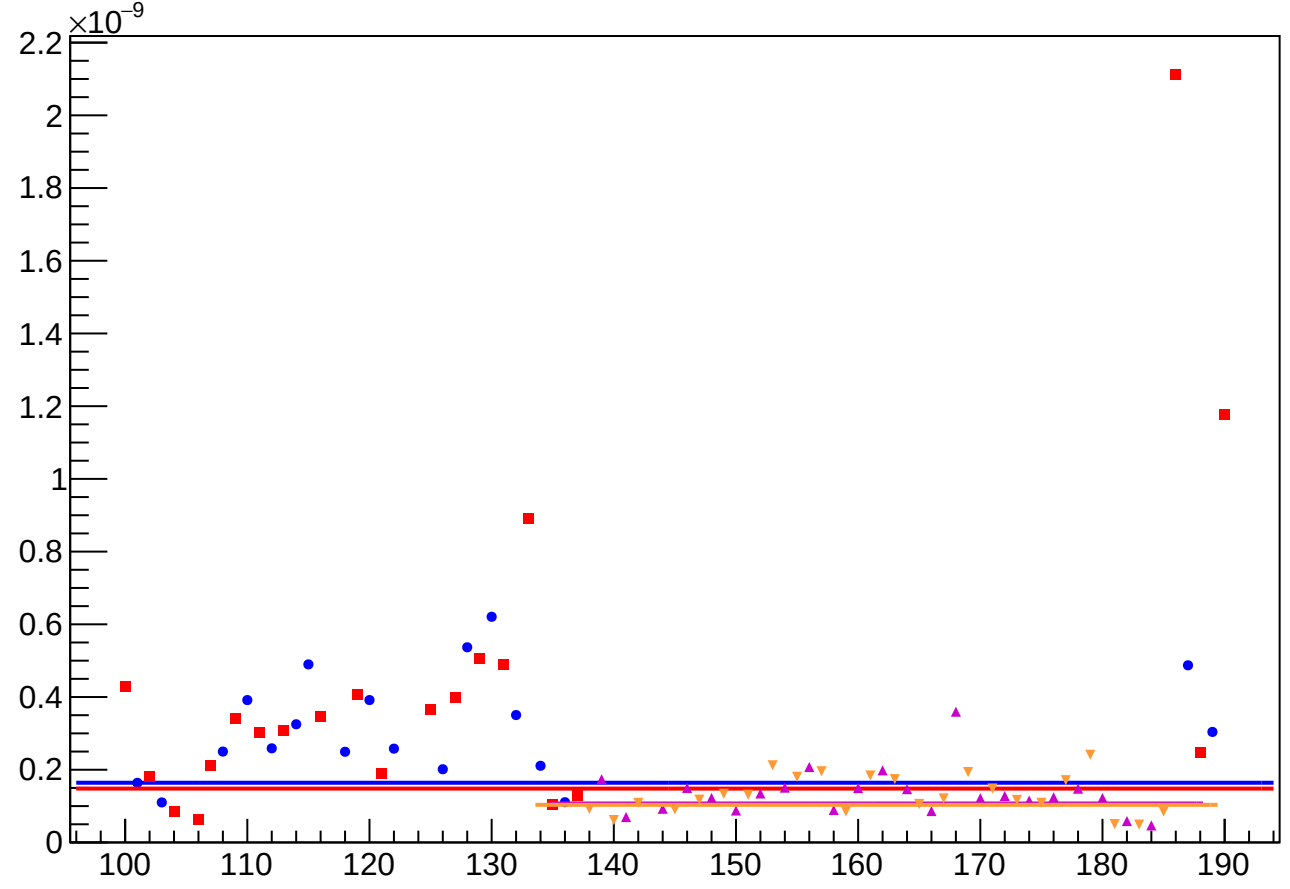
Left In: 7816.447+/-1.315 χ^2/NDF:1132368.2/22

+ sign 7239.400+/-1.022 χ^2/NDF: 2317171.0/41

All: 7068.646+/-0.706 χ^2/NDF: 6352045.1/85

- sign 6912.643+/-0.977 χ^2/NDF: 3981492.0/43


asym_us_avg_at2lr_avg_dd_reg_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: 14.2/17
Left Out: -0.000+/-0.000 χ²/NDF:28.6/23
Right Out: -0.000+/-0.000 χ²/NDF: 18.9/20
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: 83.7/85
- sign -0.000+/-0.000 χ²/NDF: 38.3/43



Right In: 0.000+/-0.000 χ^2/NDF: 1485428.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:1905146.0/23

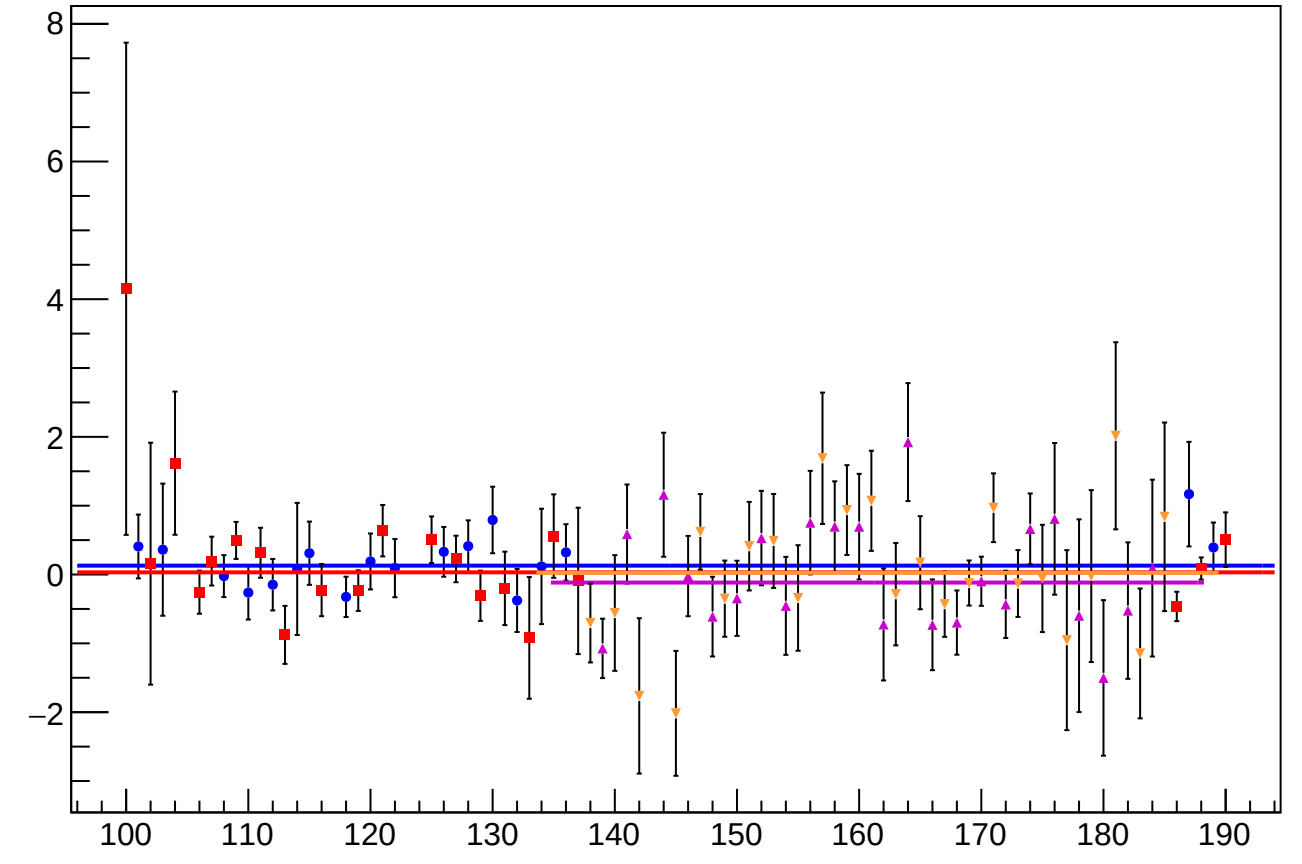
Right Out: 0.000+/-0.000 χ^2/NDF: 2914339.4/20

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: 8770877.9/85

- sign 0.000+/-0.000 χ^2/NDF: 4787497.7/43



Right In: 0.129+/-0.100 χ^2/NDF: 11.4/17

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

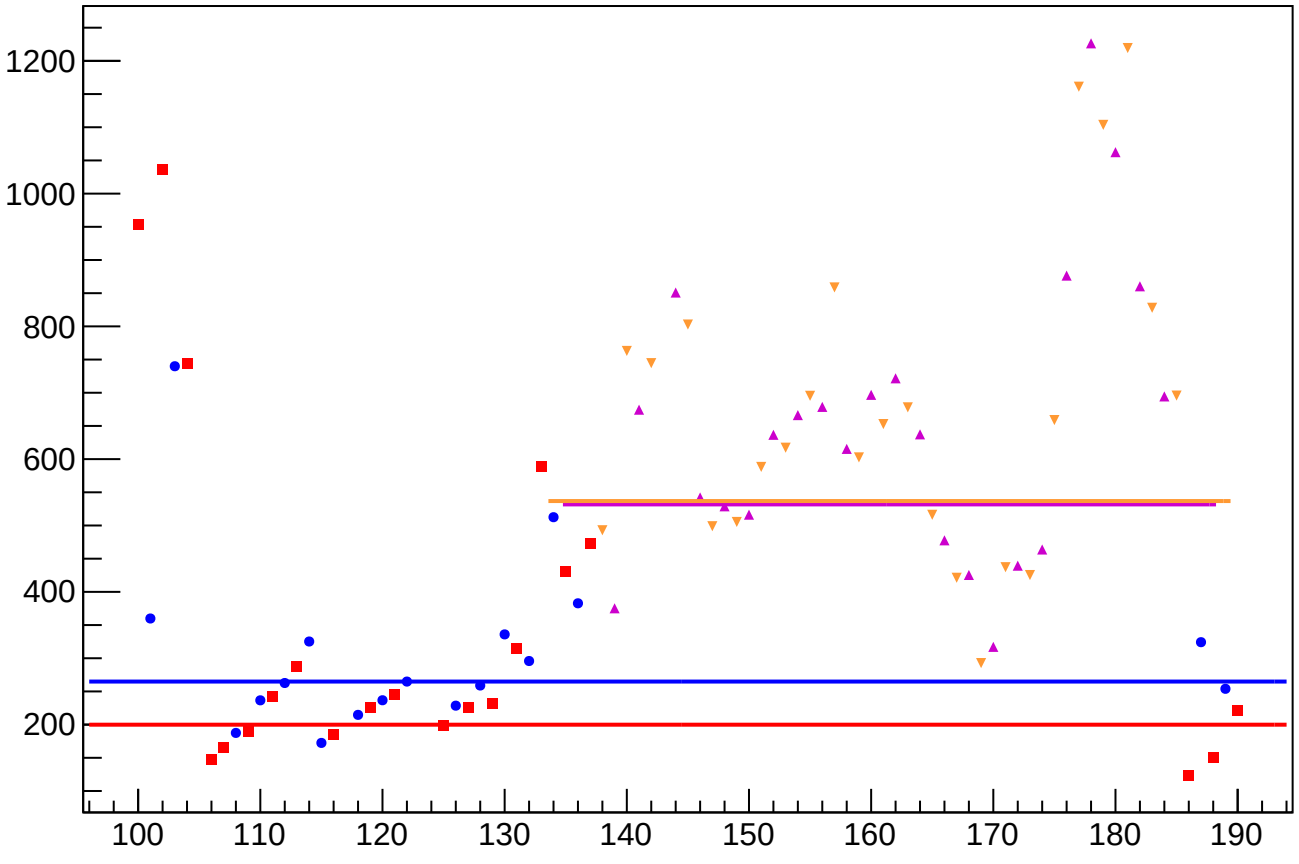
Right Out: 0.032+/-0.076 χ^2/NDF: 29.1/20

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.092+/-0.080 χ^2/NDF: 40.9/41

All: 0.034+/-0.051 χ^2/NDF: 99.6/85

- sign -0.005+/-0.066 χ^2/NDF: 57.8/43



Right In: 264.882+/-0.071 χ^2/NDF: 1298041.6/17

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

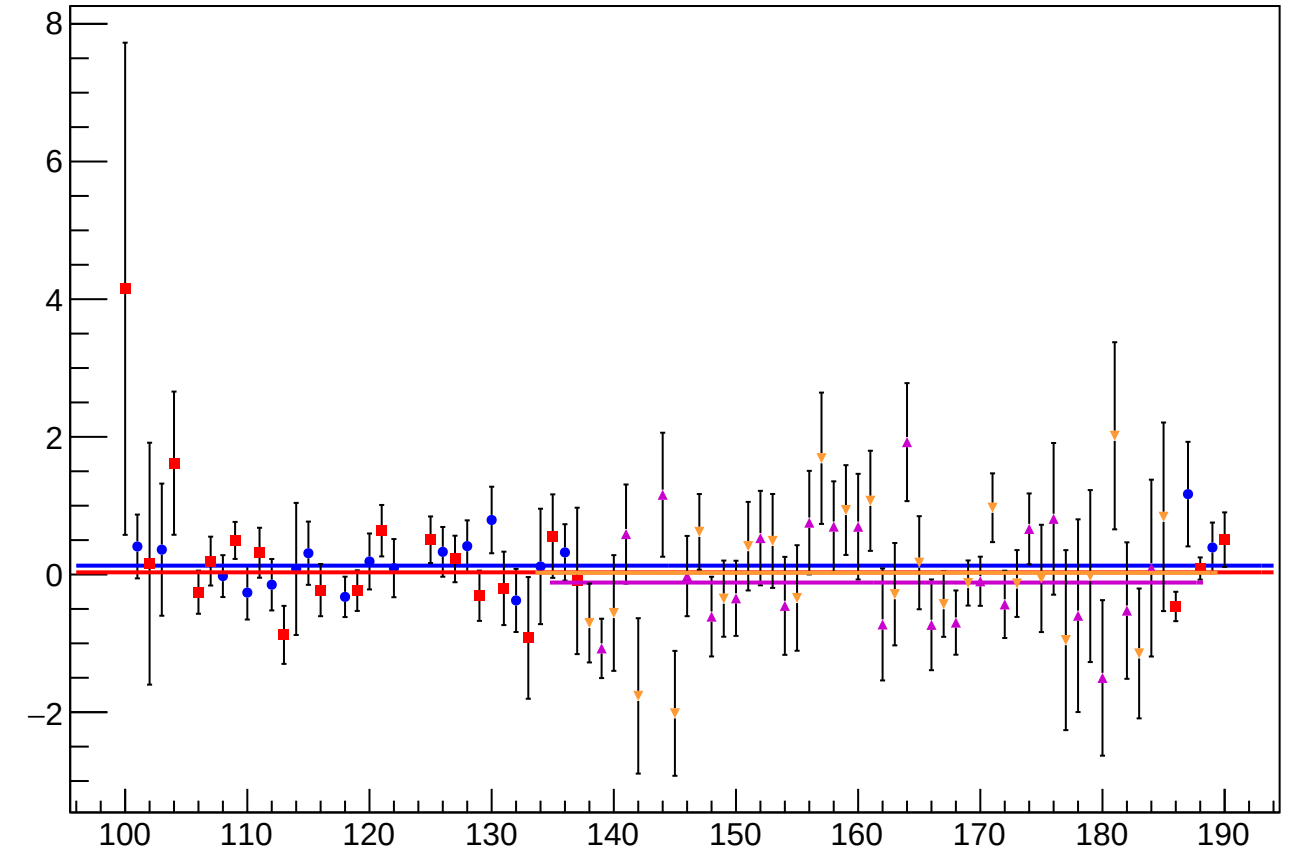
Right Out: 199.888+/-0.054 χ^2/NDF: 2710866.8/20

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

+ sign 362.223+/-0.057 χ^2/NDF: 10552091.2/41

All: 314.652+/-0.036 χ^2/NDF: 27261552.5/85

- sign 282.364+/-0.047 χ^2/NDF: 15526810.0/43



Right In: 0.129+/-0.100 χ^2/NDF: 11.4/17

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

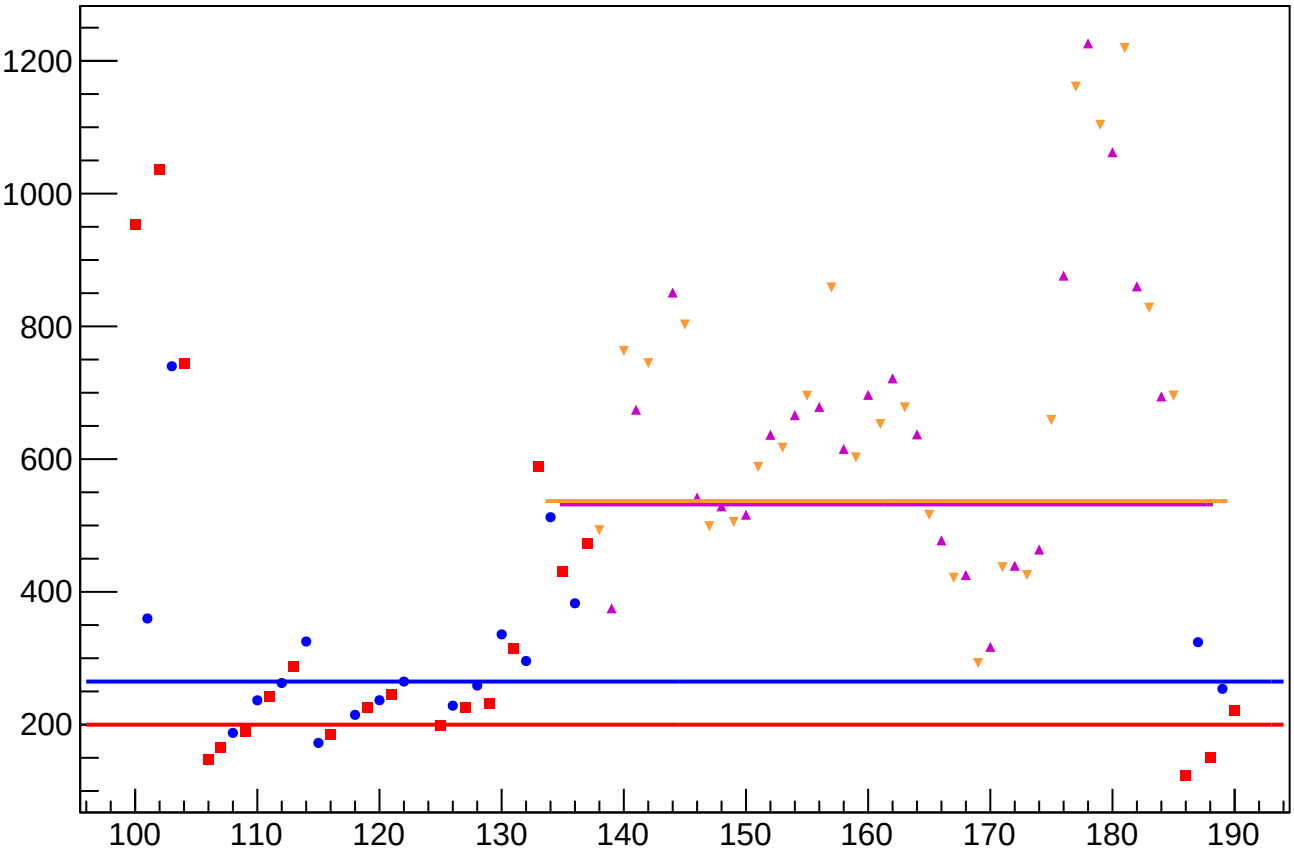
Right Out: 0.032+/-0.076 χ^2/NDF: 29.1/20

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.092+/-0.080 χ^2/NDF: 40.9/41

All: 0.034+/-0.051 χ^2/NDF: 99.6/85

- sign -0.005+/-0.066 χ^2/NDF: 57.8/43



Right In: 264.882+/-0.071 χ^2/NDF: 1298041.6/17

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

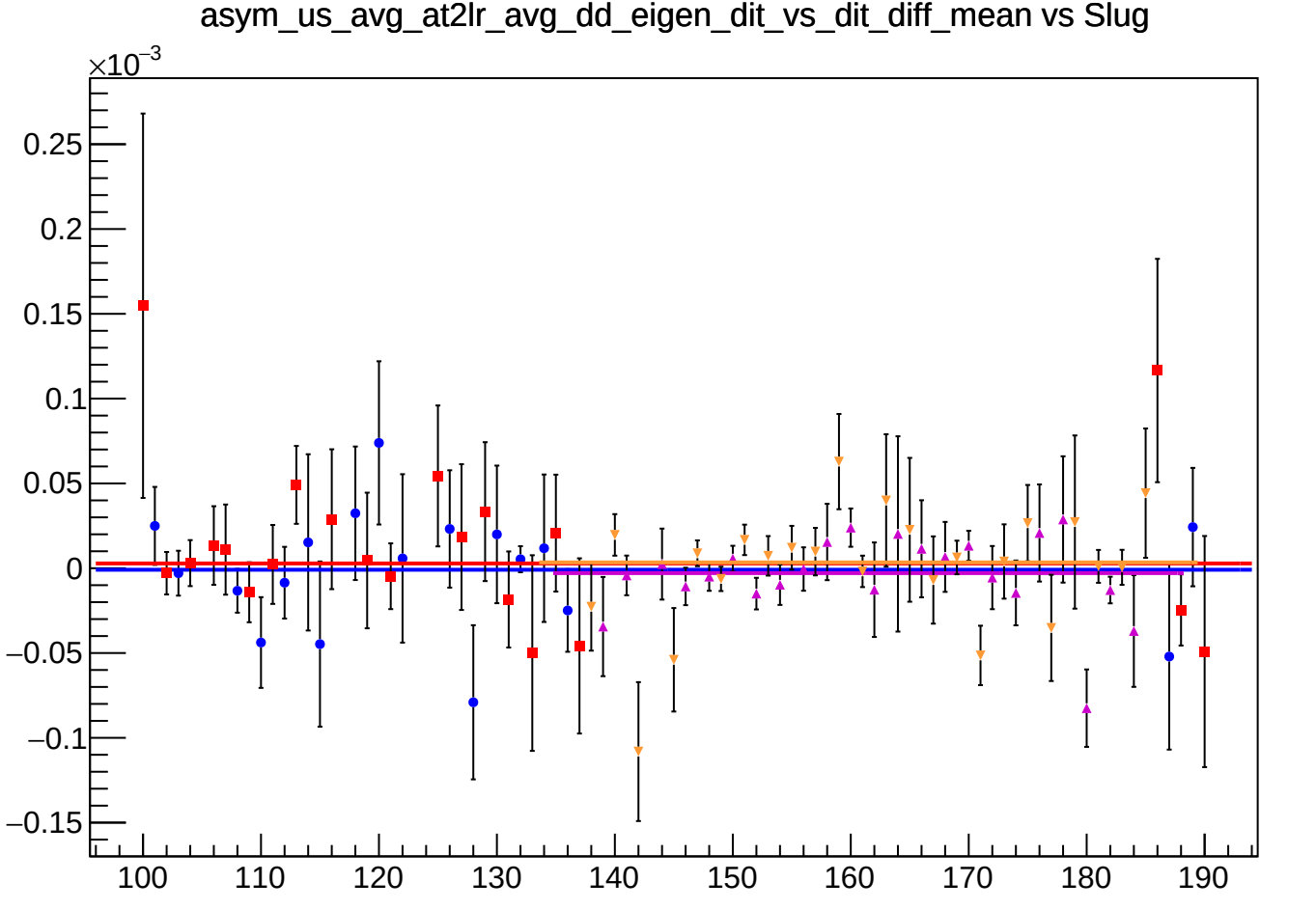
Right Out: 199.888+/-0.054 χ^2/NDF: 2710866.8/20

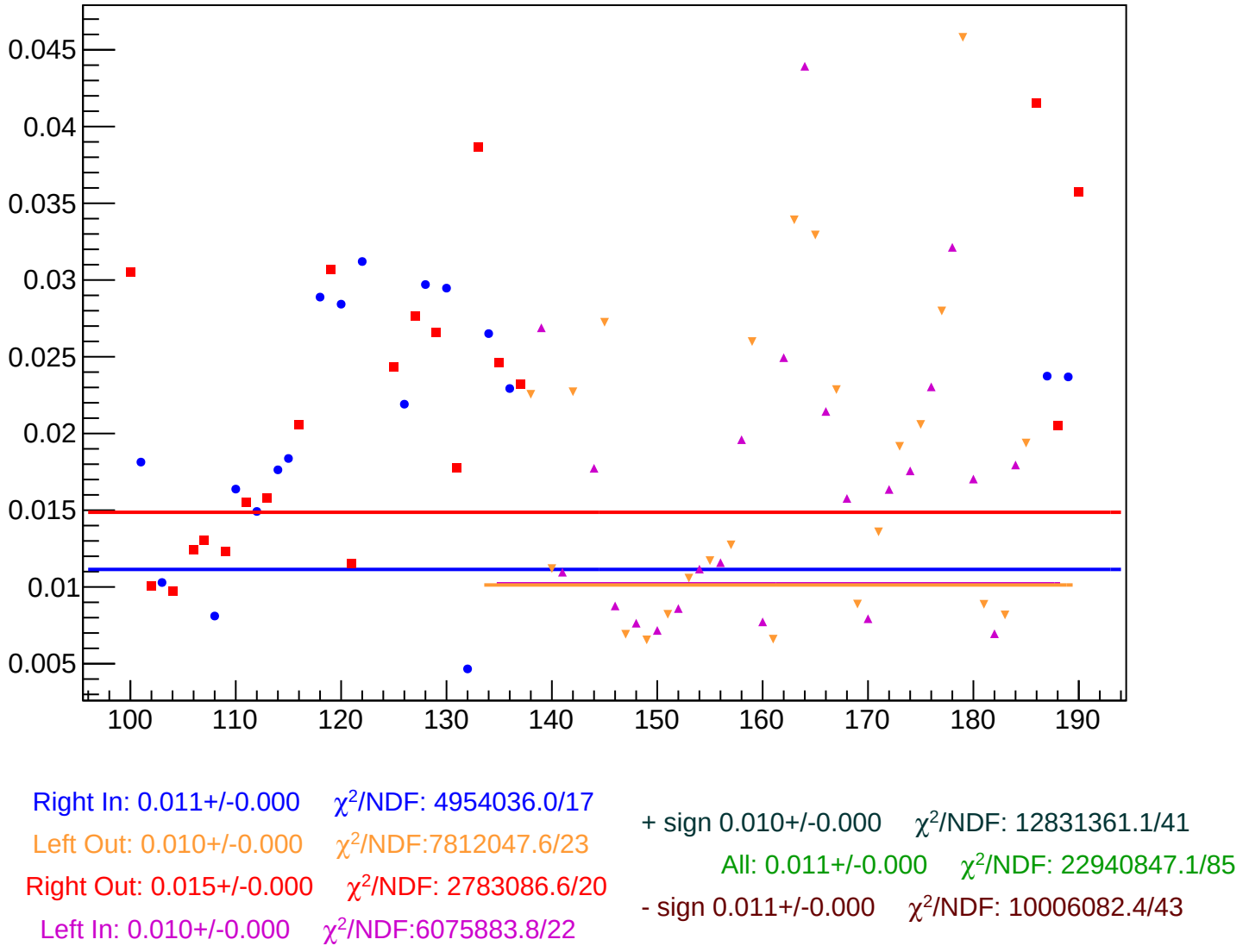
Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

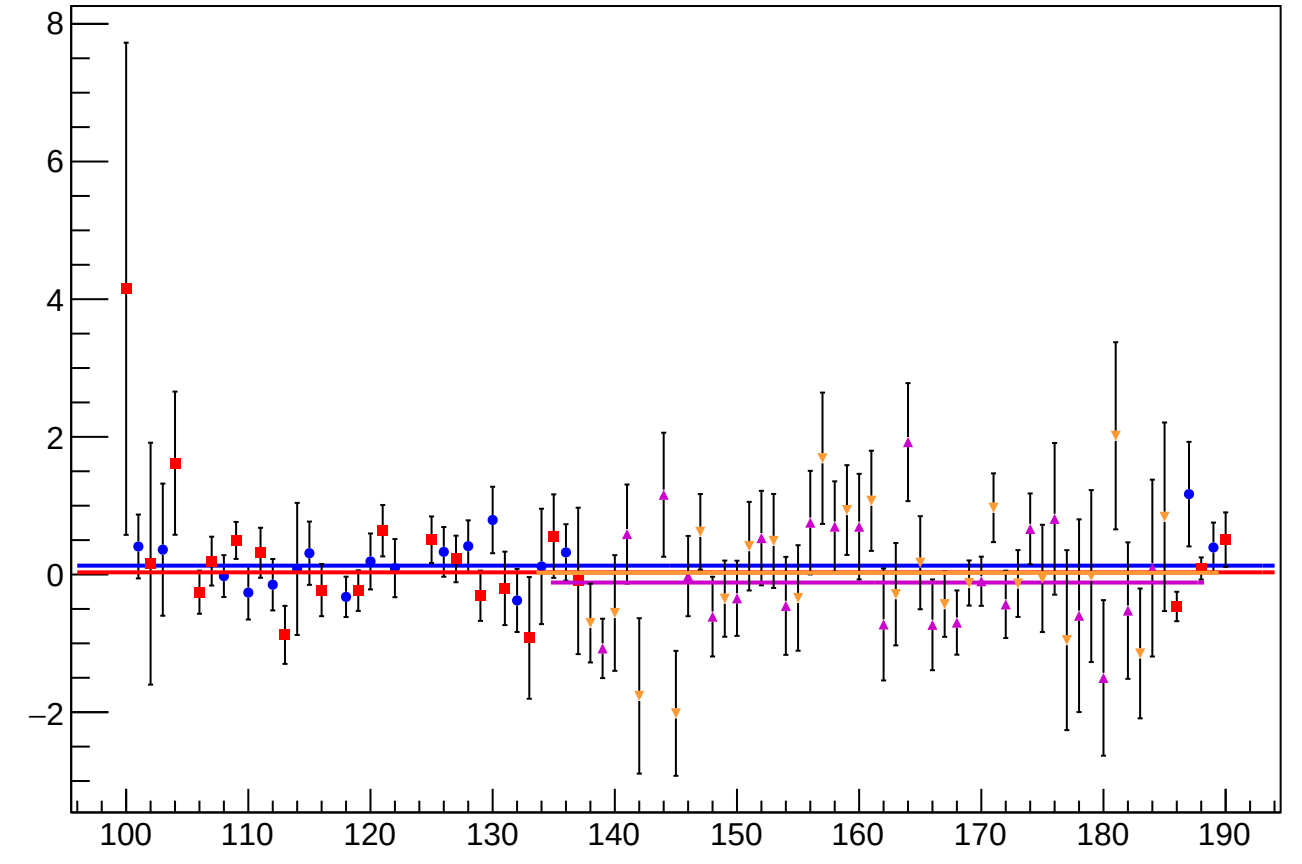
+ sign 362.223+/-0.057 χ^2/NDF: 10552091.2/41

All: 314.652+/-0.036 χ^2/NDF: 27261552.5/85

- sign 282.364+/-0.047 χ^2/NDF: 15526810.0/43


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 15.8/17
Left Out: 0.000+/-0.000 χ²/NDF:39.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 17.9/20
Left In: -0.000+/-0.000 χ²/NDF:32.2/22
+ sign 0.000+/-0.000 χ²/NDF: 55.4/41
All: 0.000+/-0.000 χ²/NDF: 107.8/85
- sign -0.000+/-0.000 χ²/NDF: 51.0/43


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug
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: 0.011+/-0.000 χ²/NDF: 4954036.0/17
Left Out: 0.010+/-0.000 χ²/NDF:7812047.6/23
Right Out: 0.015+/-0.000 χ²/NDF: 2783086.6/20
Left In: 0.010+/-0.000 χ²/NDF:6075883.8/22
+ sign 0.010+/-0.000 χ²/NDF: 12831361.1/41
All: 0.011+/-0.000 χ²/NDF: 22940847.1/85
- sign 0.011+/-0.000 χ²/NDF: 10006082.4/43



Right In: 0.129+/-0.100 χ^2/NDF: 11.4/17

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

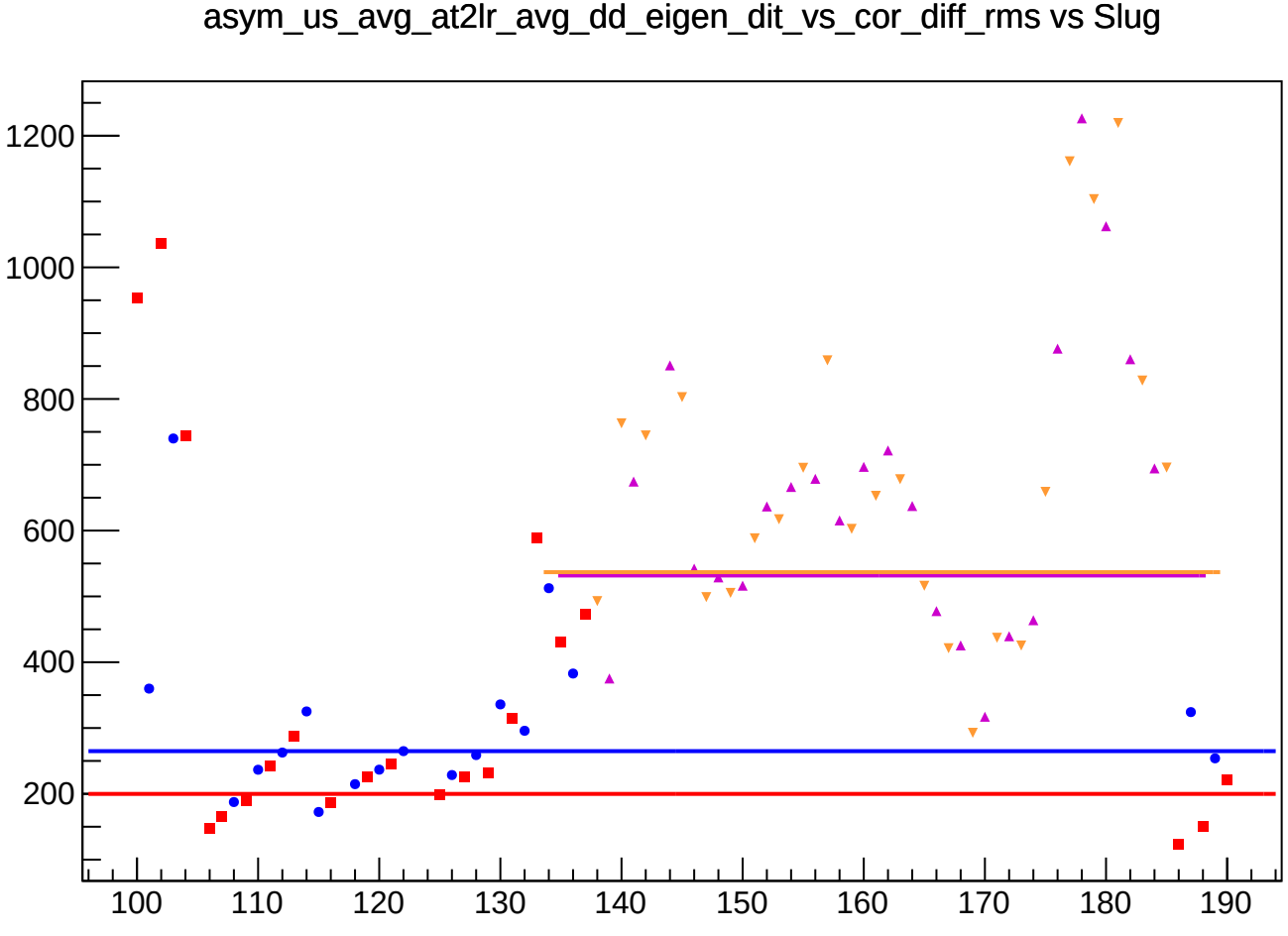
Right Out: 0.032+/-0.076 χ^2/NDF: 29.1/20

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

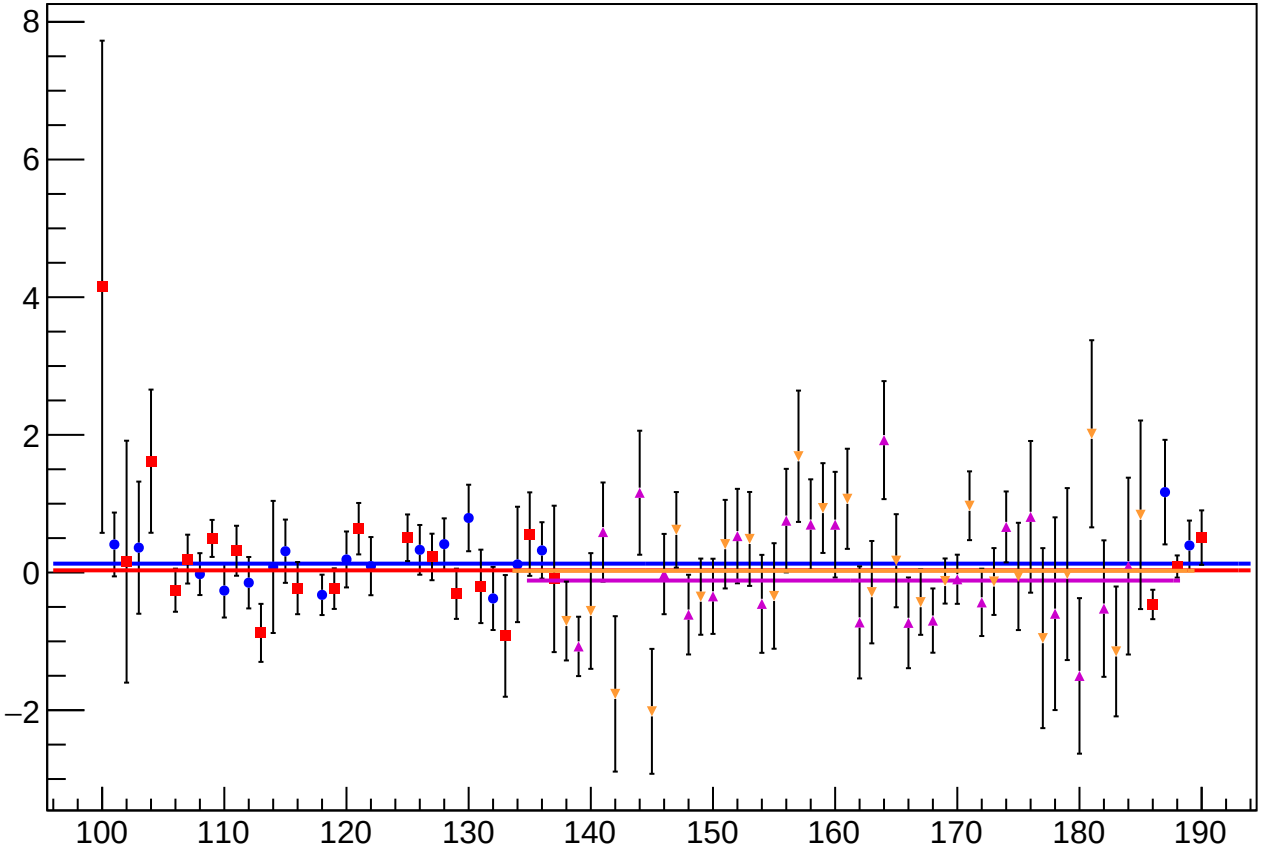
+ sign 0.092+/-0.080 χ^2/NDF: 40.9/41

All: 0.034+/-0.051 χ^2/NDF: 99.6/85

- sign -0.005+/-0.066 χ^2/NDF: 57.8/43


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
180
190
Right In: 264.880+/-0.071 χ²/NDF: 1298015.1/17
Left Out: 536.822+/-0.095 χ²/NDF:3963422.5/23
Right Out: 199.886+/-0.054 χ²/NDF: 2710926.7/20
Left In: 531.773+/-0.094 χ²/NDF:3381293.8/22
+ sign 362.221+/-0.057 χ²/NDF: 10552335.6/41
All: 314.649+/-0.036 χ²/NDF: 27262241.8/85
- sign 282.361+/-0.047 χ²/NDF: 15527217.6/43

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_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

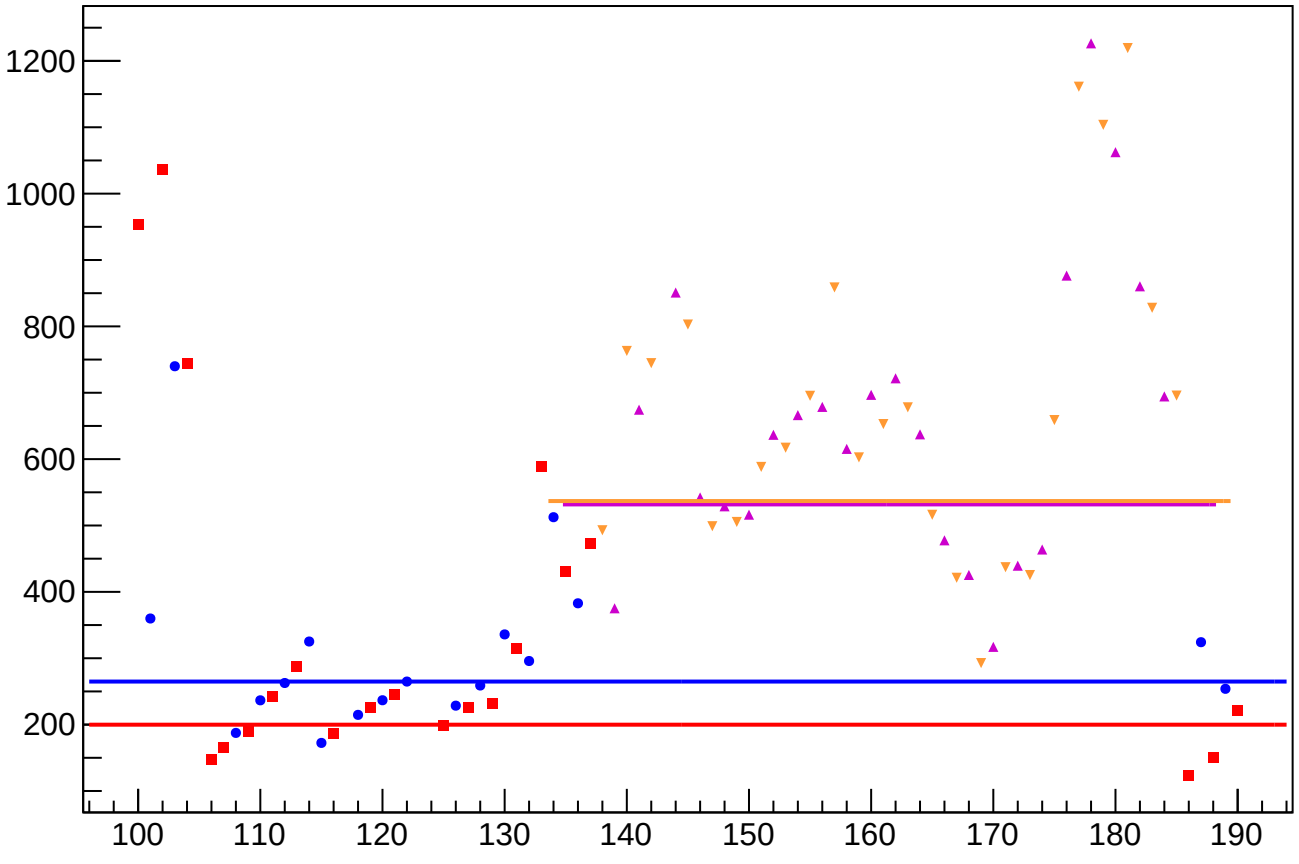
Right Out: 0.032+/-0.076 χ^2/NDF: 29.1/20

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.092+/-0.080 χ^2/NDF: 40.9/41

All: 0.034+/-0.051 χ^2/NDF: 99.6/85

- sign -0.005+/-0.066 χ^2/NDF: 57.8/43



Right In: 264.880+/-0.071 χ^2/NDF: 1298015.1/17

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

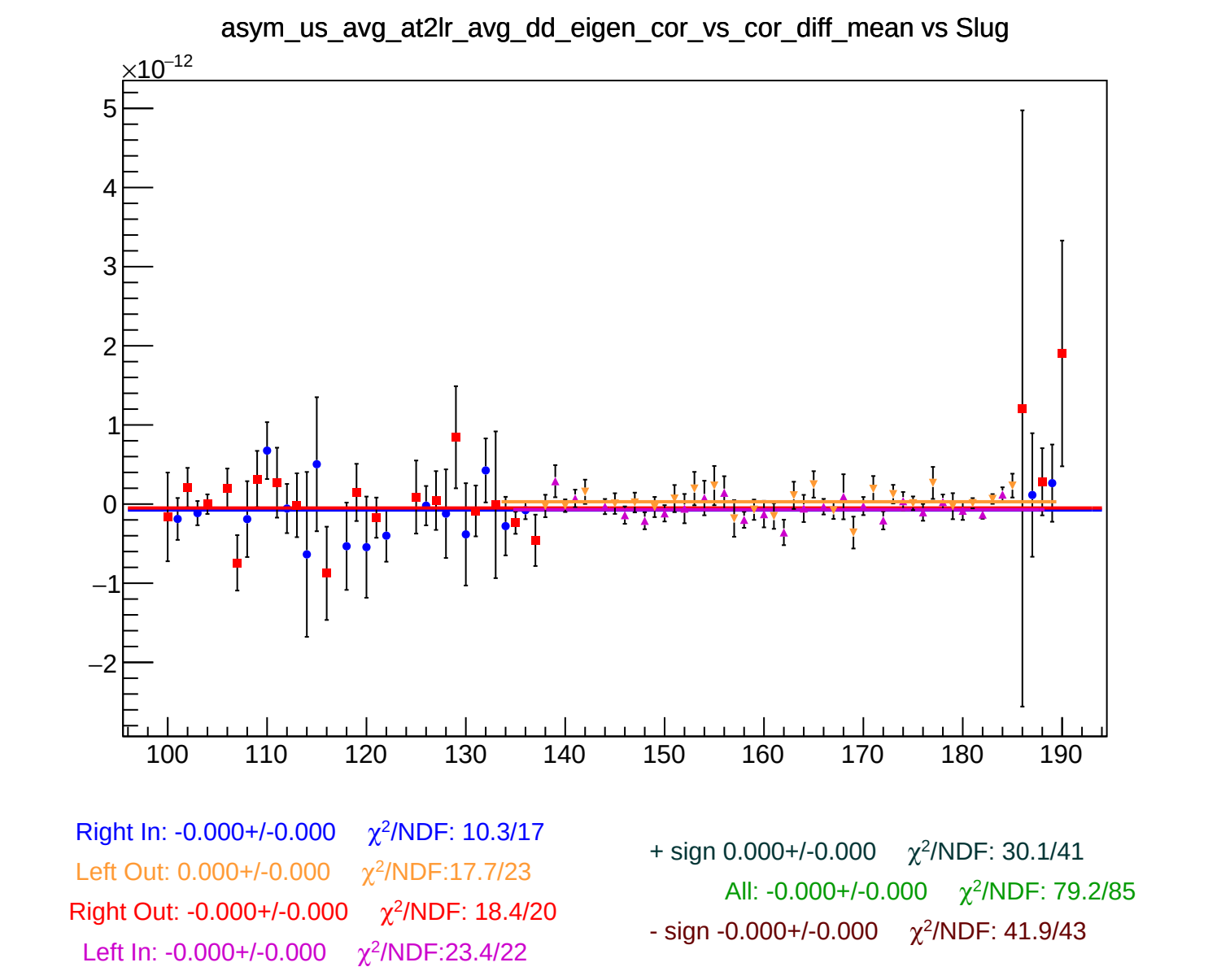
Right Out: 199.886+/-0.054 χ^2/NDF: 2710926.7/20

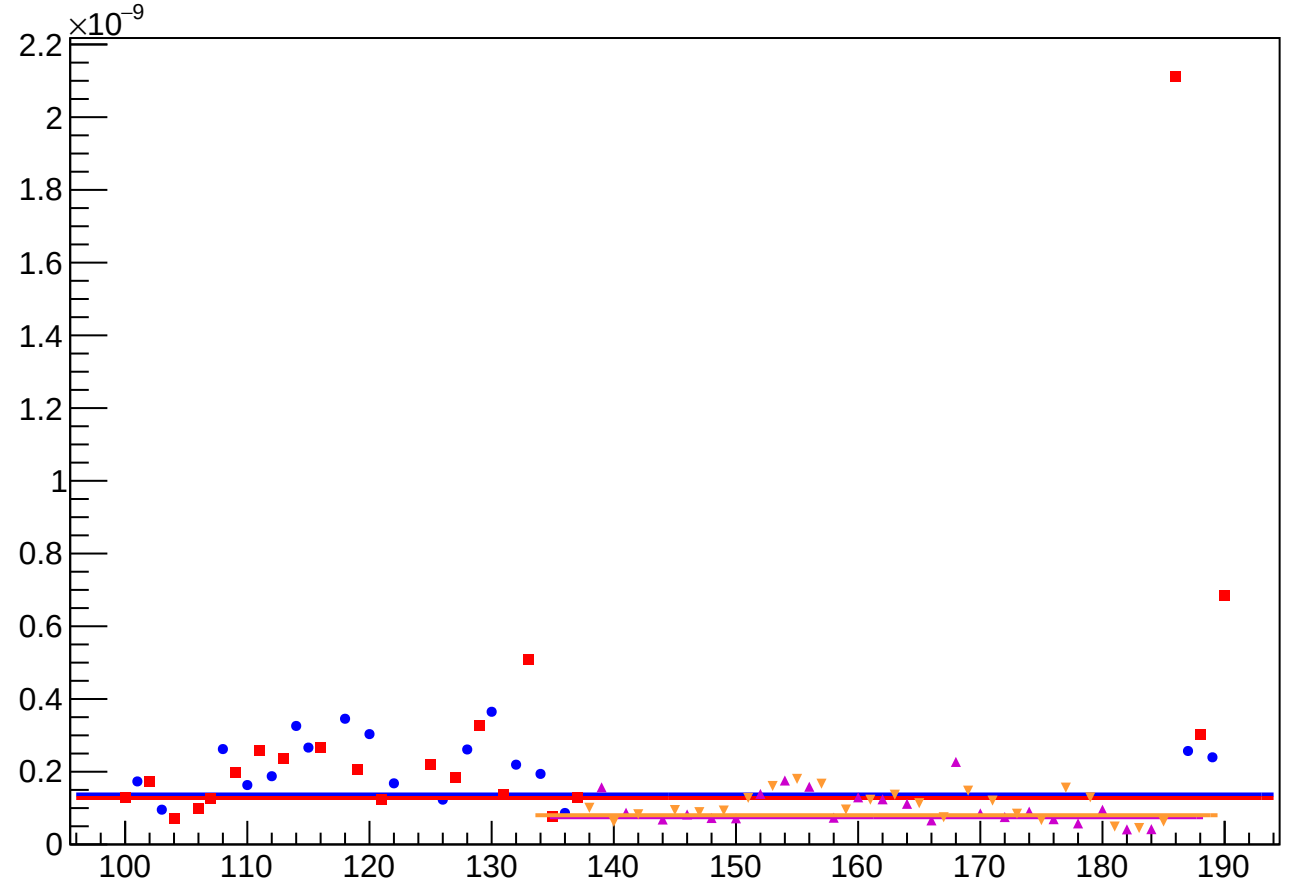
Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

+ sign 362.221+/-0.057 χ^2/NDF: 10552335.6/41

All: 314.649+/-0.036 χ^2/NDF: 27262241.8/85

- sign 282.361+/-0.047 χ^2/NDF: 15527217.6/43


asym_us_avg_at2lr_avg_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: 10.3/17
Left Out: 0.000+/-0.000 χ²/NDF:17.7/23
Right Out: -0.000+/-0.000 χ²/NDF: 18.4/20
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: 79.2/85
- sign -0.000+/-0.000 χ²/NDF: 41.9/43



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: 3214790.1/20

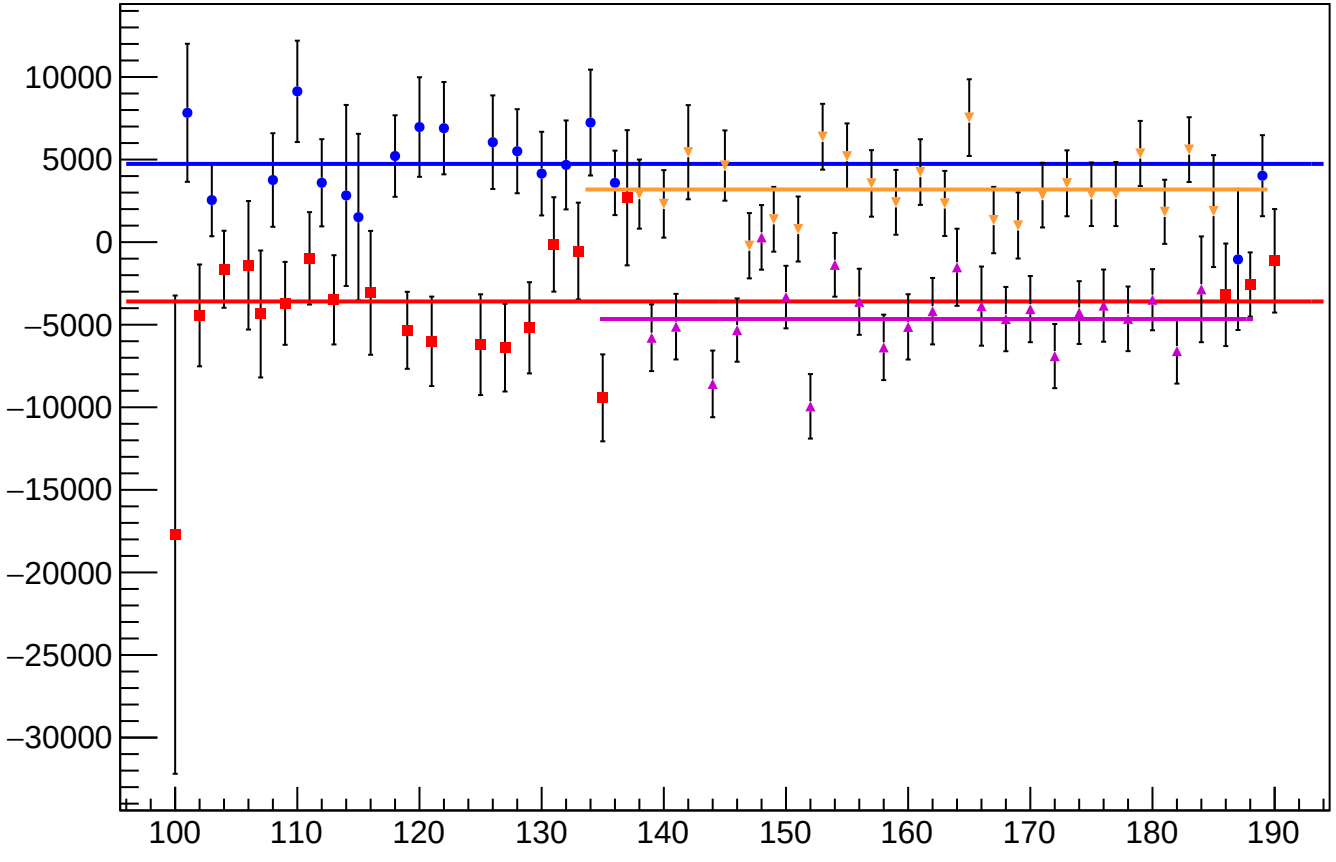
Left In: 0.000+/-0.000 χ^2/NDF:3665599.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 6929676.4/41

All: 0.000+/-0.000 χ^2/NDF: 15092542.1/85

- sign 0.000+/-0.000 χ^2/NDF: 8095897.4/43

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: -3592.171+/-628.011 χ^2/NDF: 17.2/20

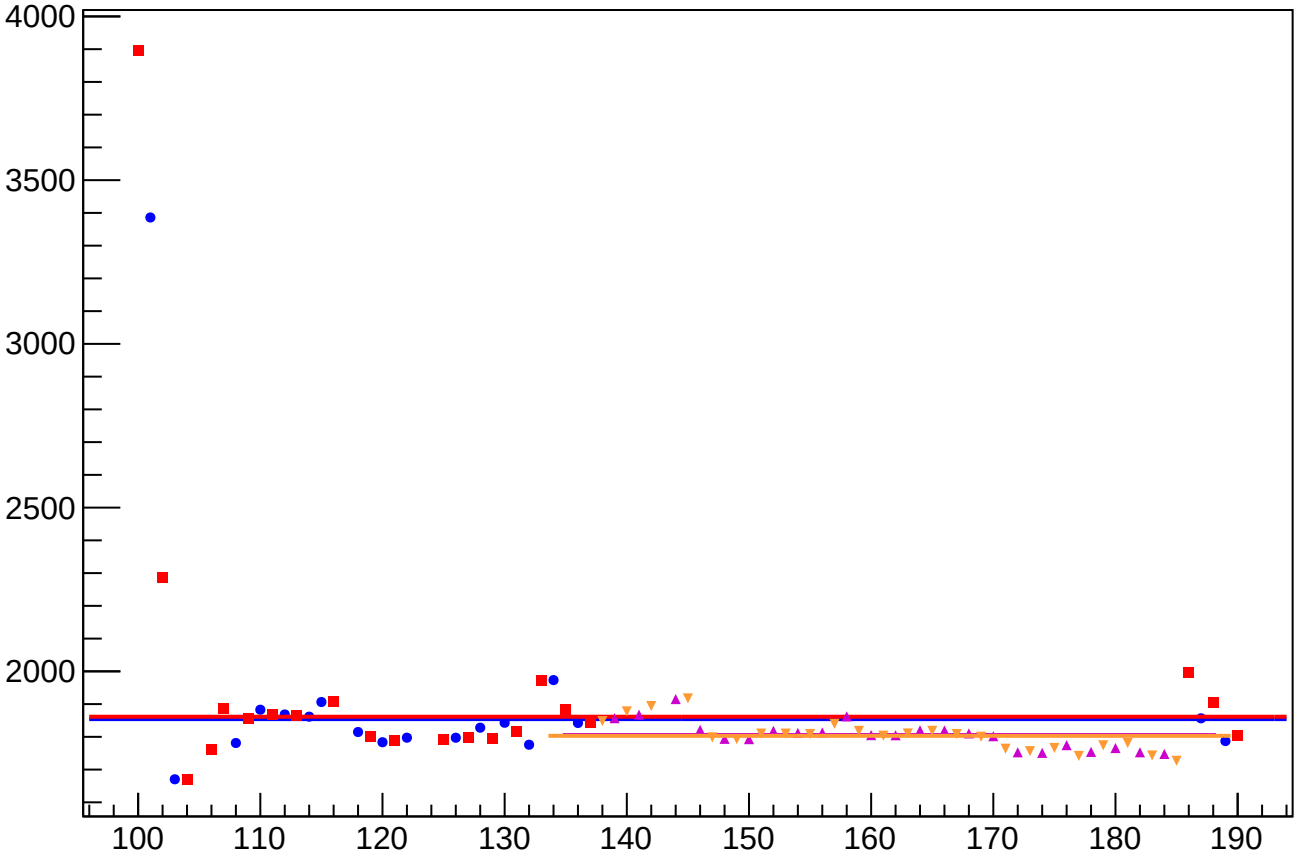
Left In: -4655.206+/-421.691 χ^2/NDF:27.7/22

\+ sign 3628.069+/-354.121 χ^2/NDF: 32.6/41

All: -393.912+/-248.964 χ^2/NDF: 334.6/85

\- sign -4324.857+/-350.090 χ^2/NDF: 46.9/43

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

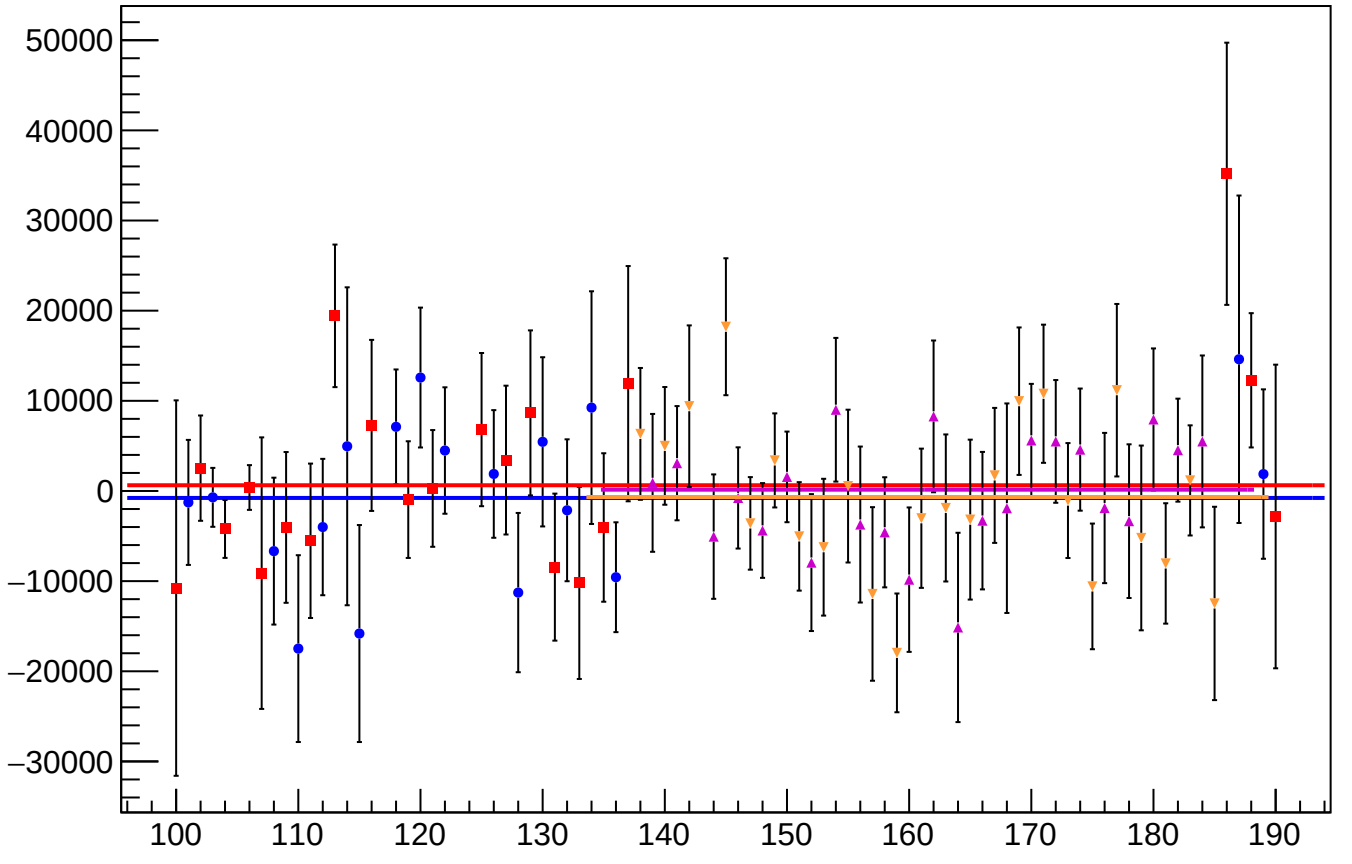
Right Out: 1861.394+/-0.443 χ^2/NDF: 108020.0/20

Left In: 1805.559+/-0.298 χ^2/NDF:19314.7/22

+ sign 1817.625+/-0.250 χ^2/NDF: 323036.2/41

All: 1820.330+/-0.176 χ^2/NDF: 461535.2/85

- sign 1822.969+/-0.247 χ^2/NDF: 138268.4/43



Right In: -771.785+/-1726.038 χ^2/NDF: 15.6/17

Left Out: -667.243+/-1478.798 χ^2/NDF:29.8/23

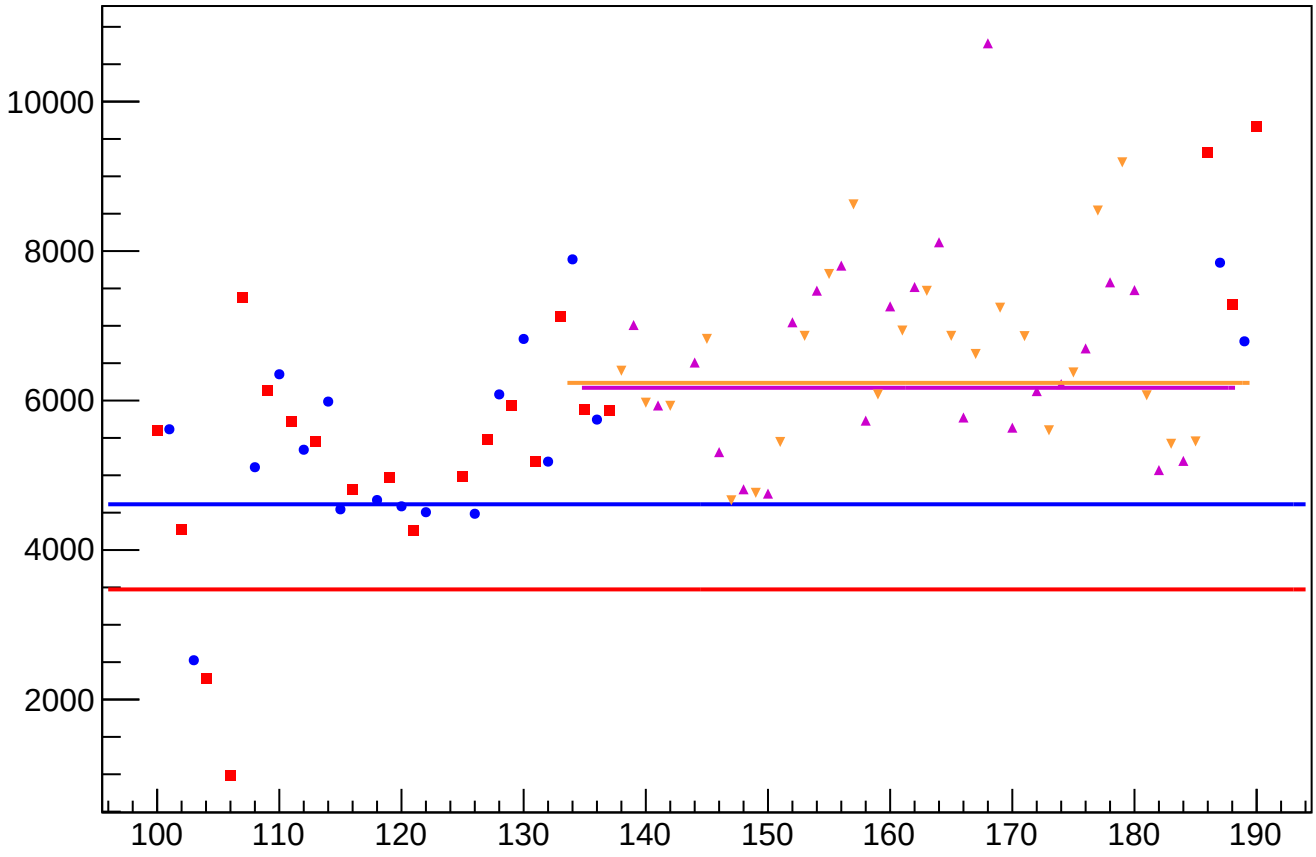
Right Out: 635.776+/-1400.923 χ^2/NDF: 23.0/20

Left In: 143.435+/-1471.371 χ^2/NDF:13.6/22

+ sign -711.497+/-1123.000 χ^2/NDF: 45.3/41

All: -98.602+/-752.842 χ^2/NDF: 82.5/85

- sign 401.674+/-1014.593 χ^2/NDF: 36.7/43



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: 3473.207+/-0.991 χ^2/NDF: 5131737.9/20

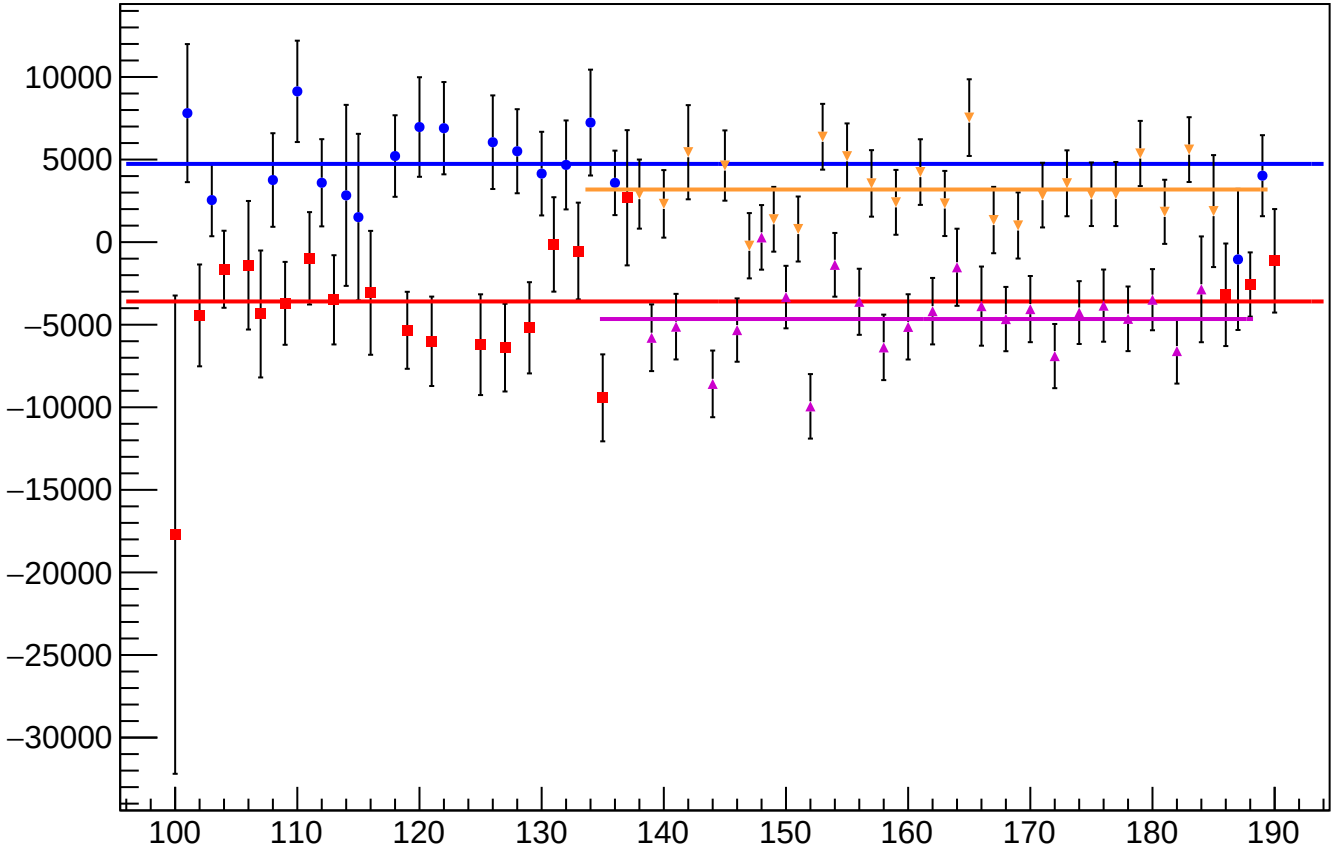
Left In: 6170.791+/-1.040 χ^2/NDF:1237554.5/22

+ sign 5548.972+/-0.794 χ^2/NDF: 3588869.6/41

All: 5112.306+/-0.532 χ^2/NDF: 14033451.6/8

- sign 4755.876+/-0.717 χ^2/NDF: 9895363.1/43

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: -3591.967+/-628.011 χ^2/NDF: 17.2/20

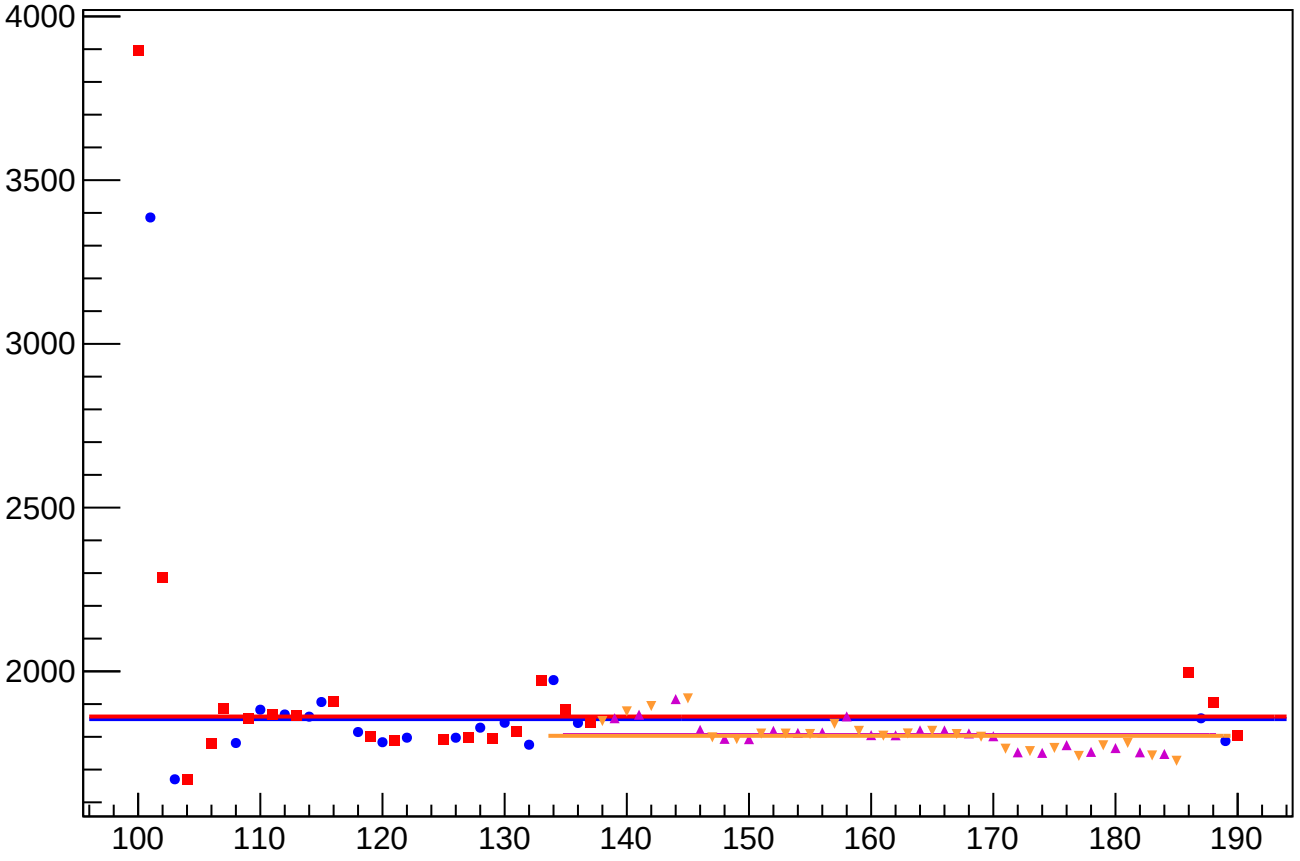
Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

\+ sign 3627.909+/-354.121 χ^2/NDF: 32.6/41

All: -393.966+/-248.964 χ^2/NDF: 334.6/85

\- sign -4324.807+/-350.090 χ^2/NDF: 46.9/43

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

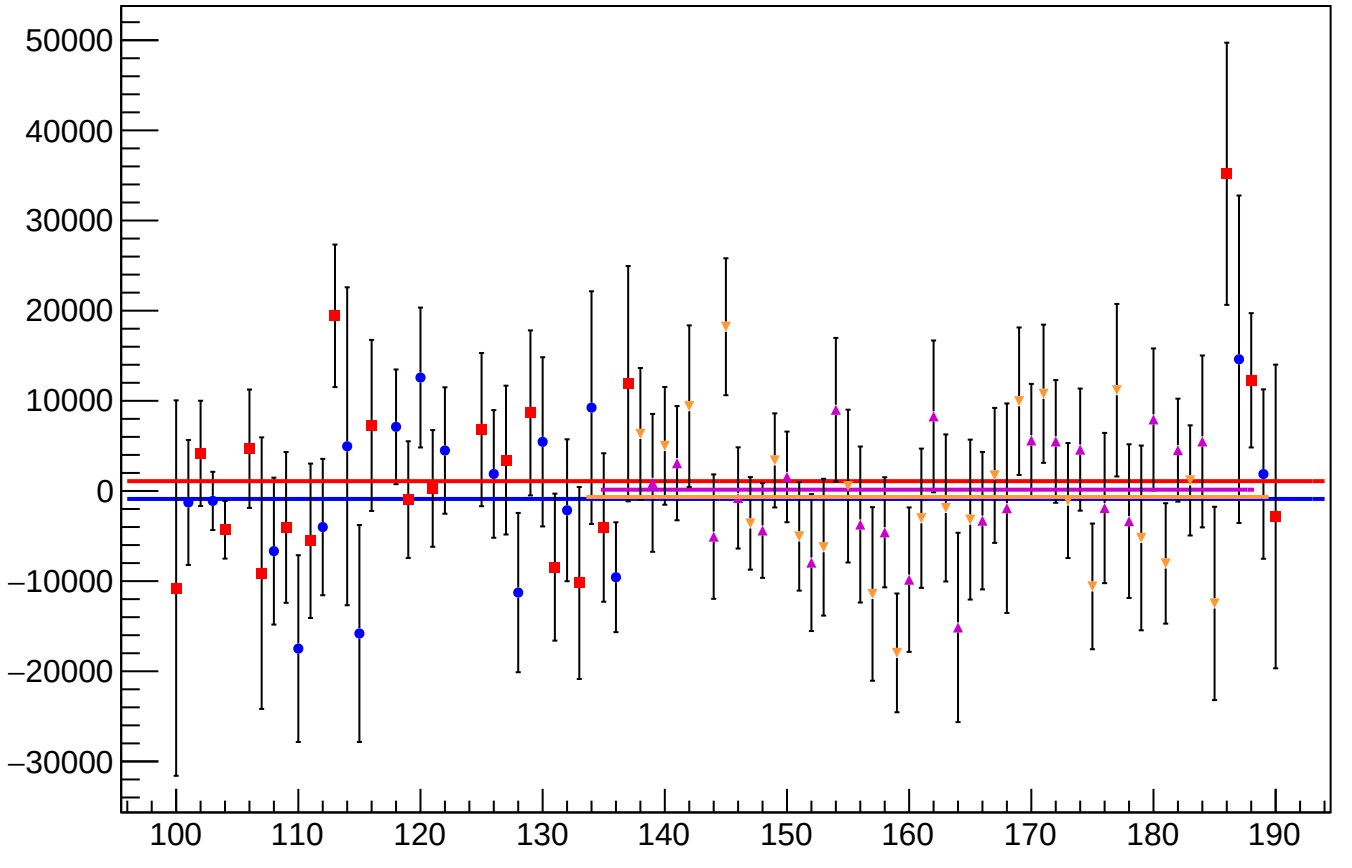
Right Out: 1861.974+/-0.443 χ^2/NDF: 107503.4/20

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

+ sign 1817.625+/-0.250 χ^2/NDF: 323038.1/41

All: 1820.418+/-0.176 χ^2/NDF: 461260.1/85

- sign 1823.144+/-0.247 χ^2/NDF: 137976.2/43



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: 1089.995+/-1641.086 χ^2/NDF: 23.7/20

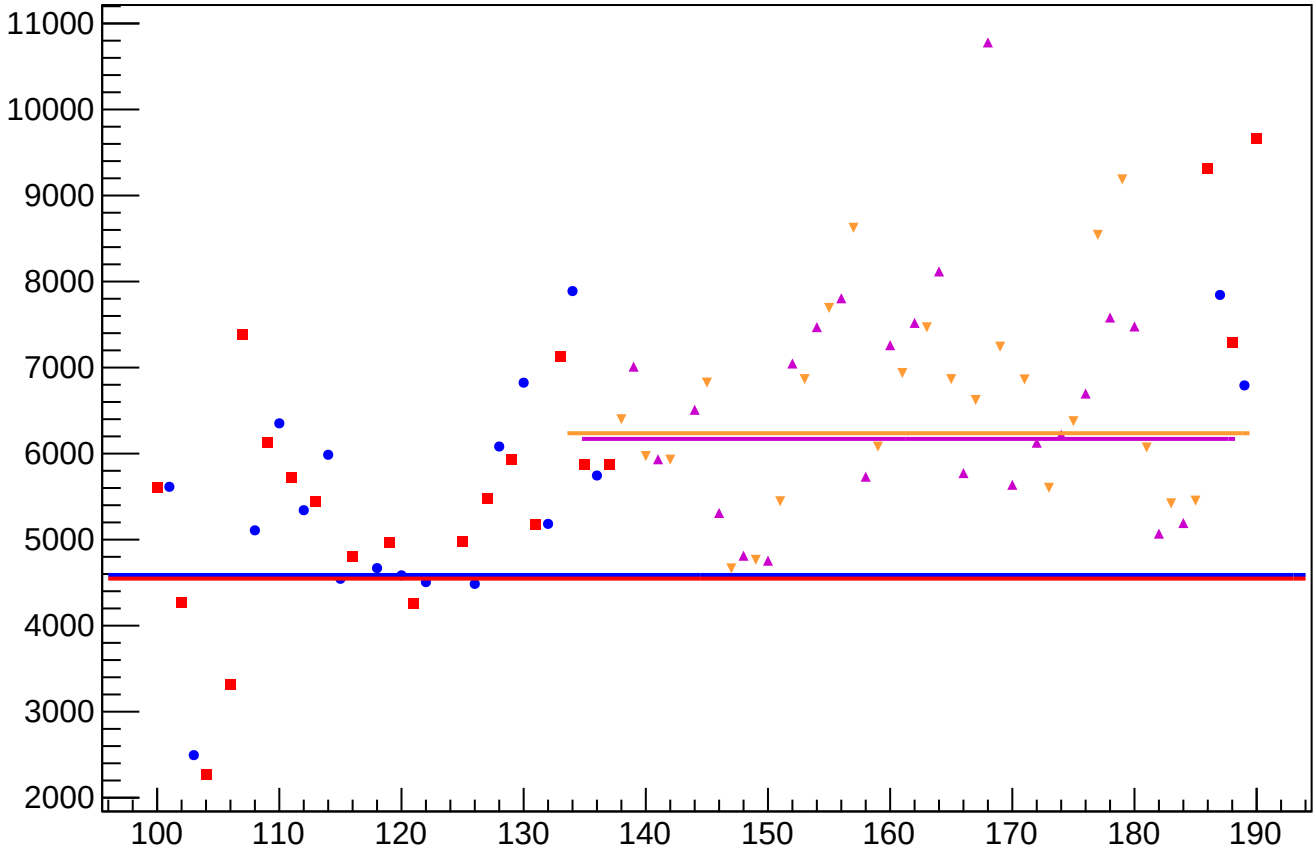
Left In: 143.369+/-1471.371 χ^2/NDF:13.6/22

\+ sign -759.269+/-1121.369 χ^2/NDF: 45.3/41

All: -81.585+/-783.629 χ^2/NDF: 83.5/85

\- sign 565.217+/-1095.520 χ^2/NDF: 37.5/43

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug



Right In: 4589.131+/-1.216 χ^2/NDF: 1543981.3/17

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

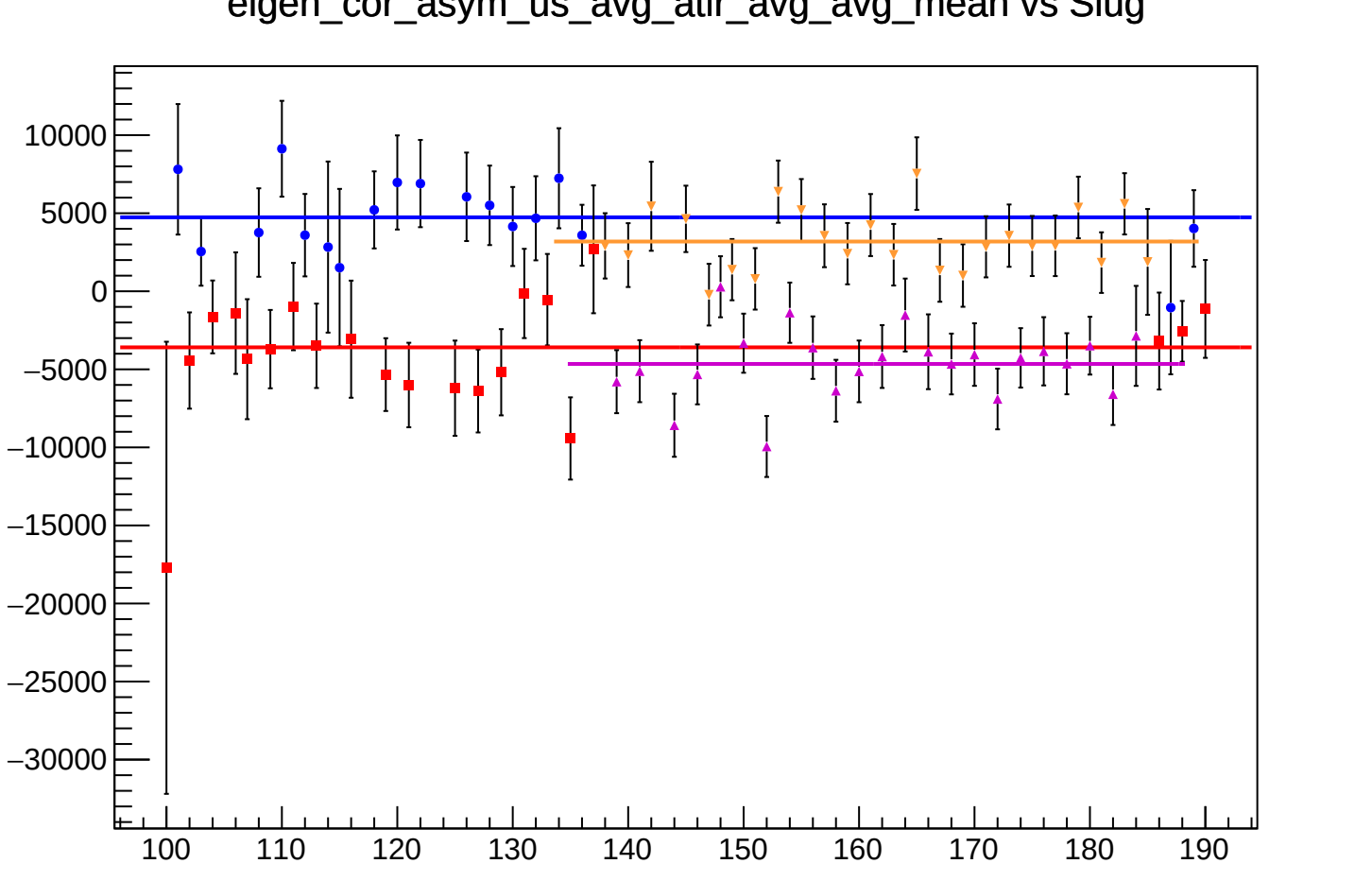
Right Out: 4546.926+/-1.160 χ^2/NDF: 2267235.2/20

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

+ sign 5536.471+/-0.793 χ^2/NDF: 3666613.4/41

All: 5490.764+/-0.554 χ^2/NDF: 8263488.4/85

- sign 5447.141+/-0.775 χ^2/NDF: 4590381.1/43



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: -3591.967+/-628.011 χ^2/NDF: 17.2/20

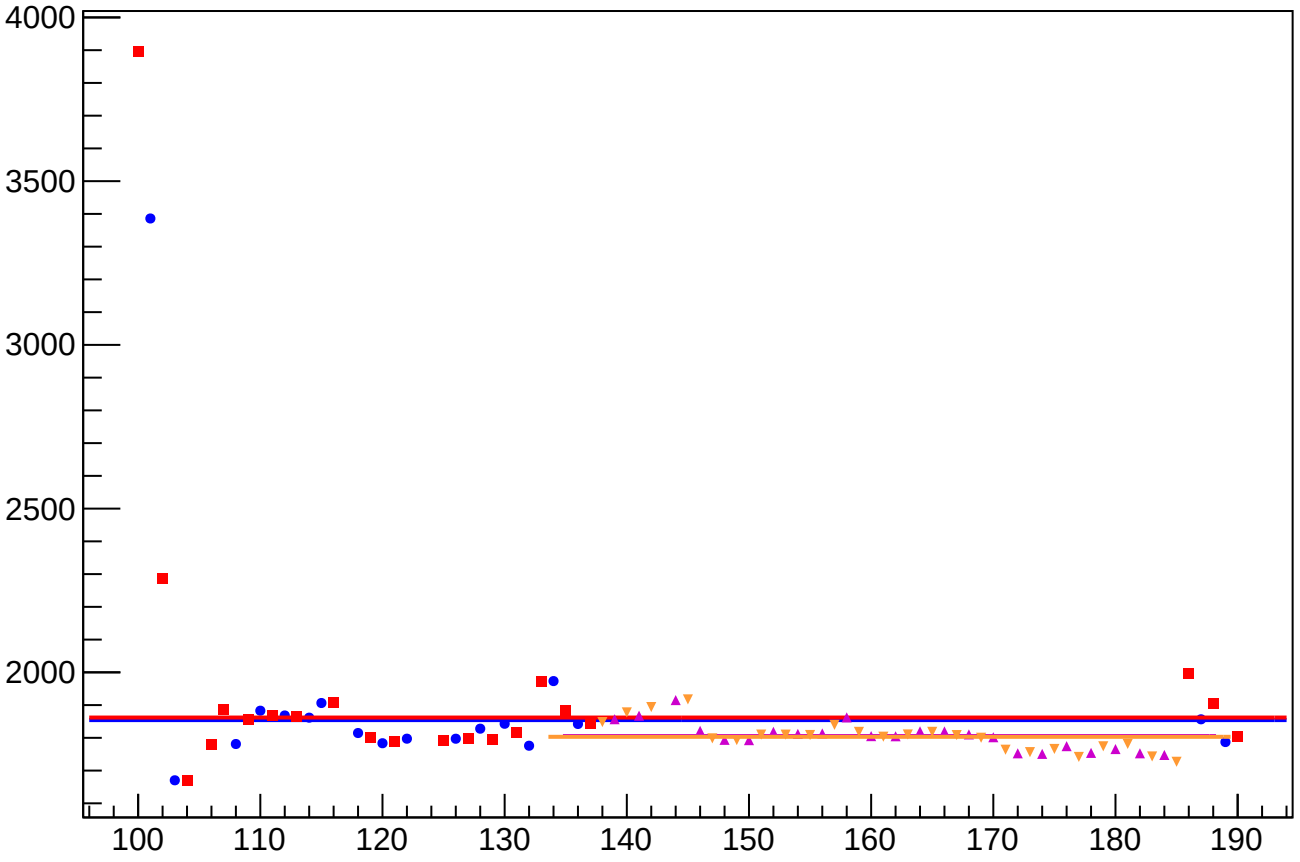
Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

+ sign 3627.909+/-354.121 χ^2/NDF: 32.6/41

All: -393.966+/-248.964 χ^2/NDF: 334.6/85

- sign -4324.807+/-350.090 χ^2/NDF: 46.9/43

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

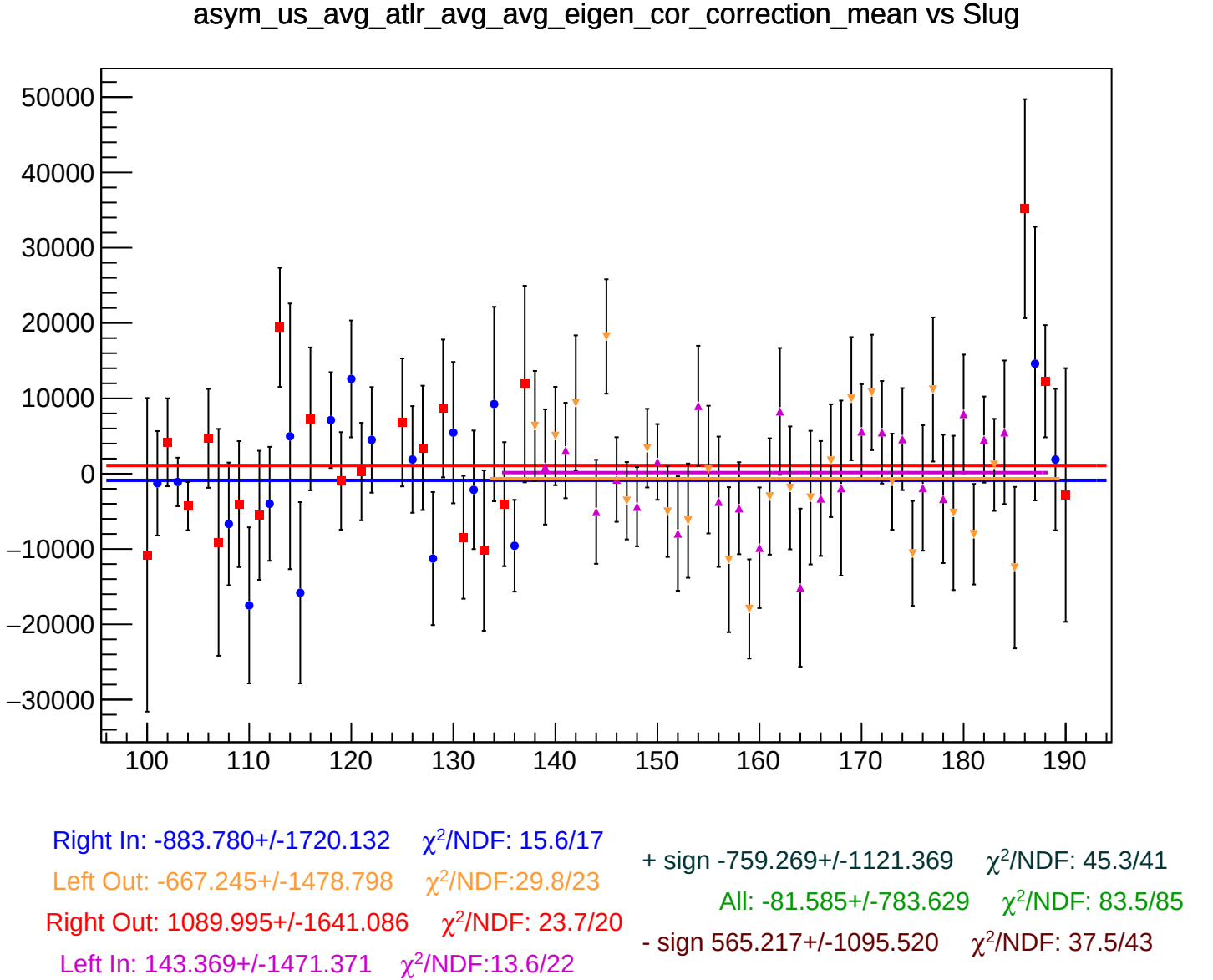
Right Out: 1861.974+/-0.443 χ^2/NDF: 107503.4/20

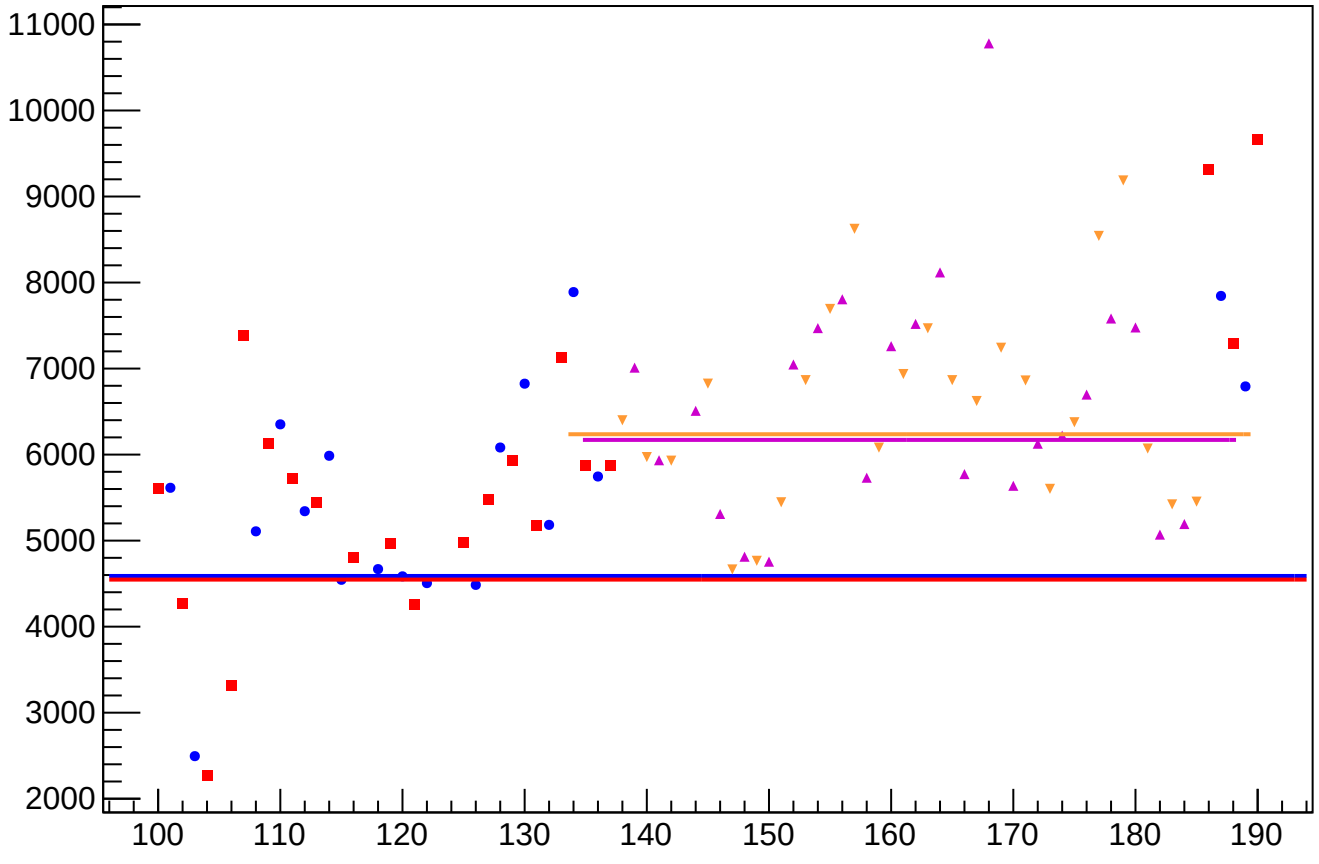
Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

+ sign 1817.625+/-0.250 χ^2/NDF: 323038.1/41

All: 1820.418+/-0.176 χ^2/NDF: 461260.1/85

- sign 1823.144+/-0.247 χ^2/NDF: 137976.2/43


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: 1089.995+/-1641.086 χ²/NDF: 23.7/20
Left In: 143.369+/-1471.371 χ²/NDF:13.6/22
+ sign -759.269+/-1121.369 χ²/NDF: 45.3/41
All: -81.585+/-783.629 χ²/NDF: 83.5/85
- sign 565.217+/-1095.520 χ²/NDF: 37.5/43



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: 4546.926+/-1.160 χ^2/NDF: 2267235.2/20

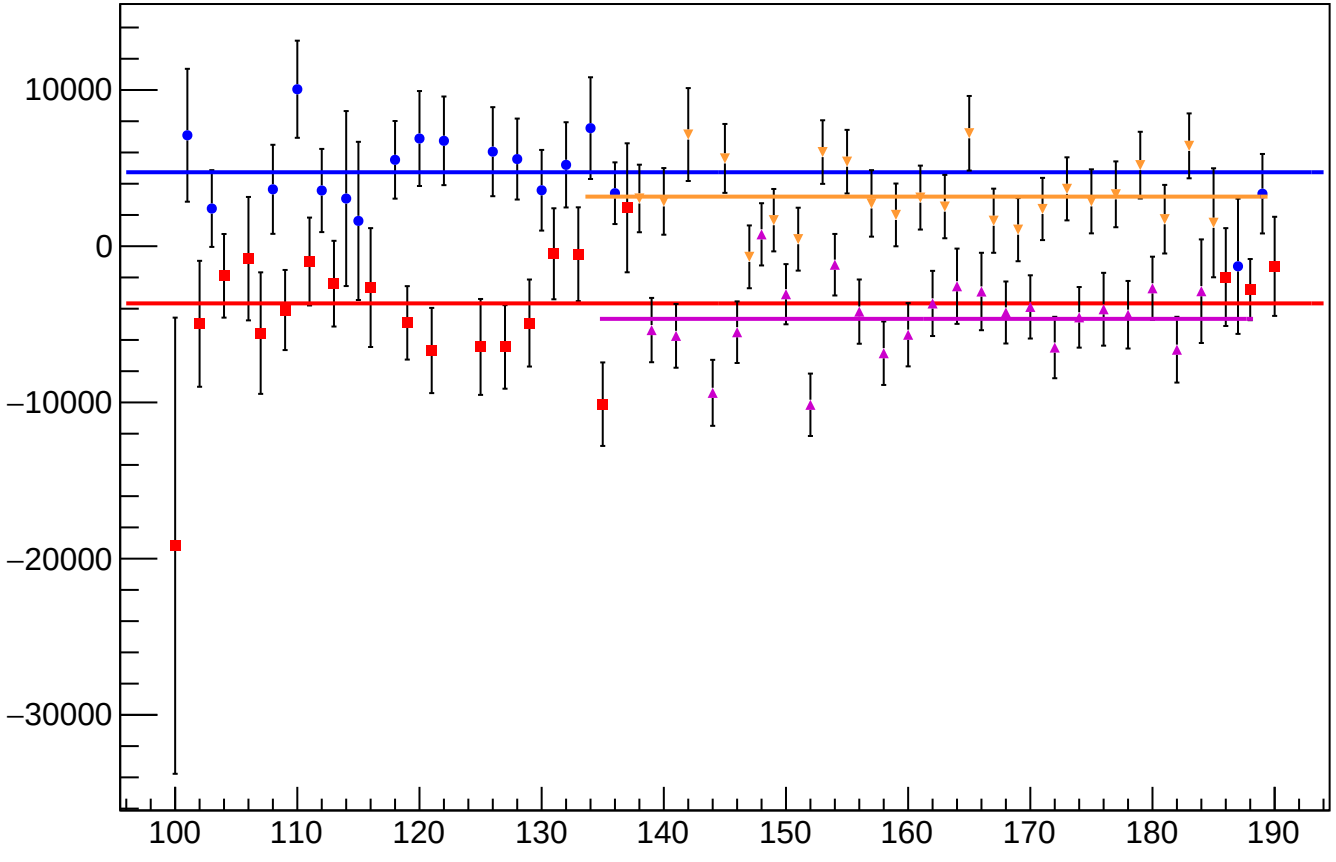
Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

+ sign 5536.471+/-0.793 χ^2/NDF: 3666613.4/41

All: 5490.764+/-0.554 χ^2/NDF: 8263488.4/85

- sign 5447.141+/-0.775 χ^2/NDF: 4590381.1/43

dit_asym_us_avg_atlr_avg_avg_mean vs Slug



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: -3659.565+/-645.969 χ^2/NDF: 18.6/20

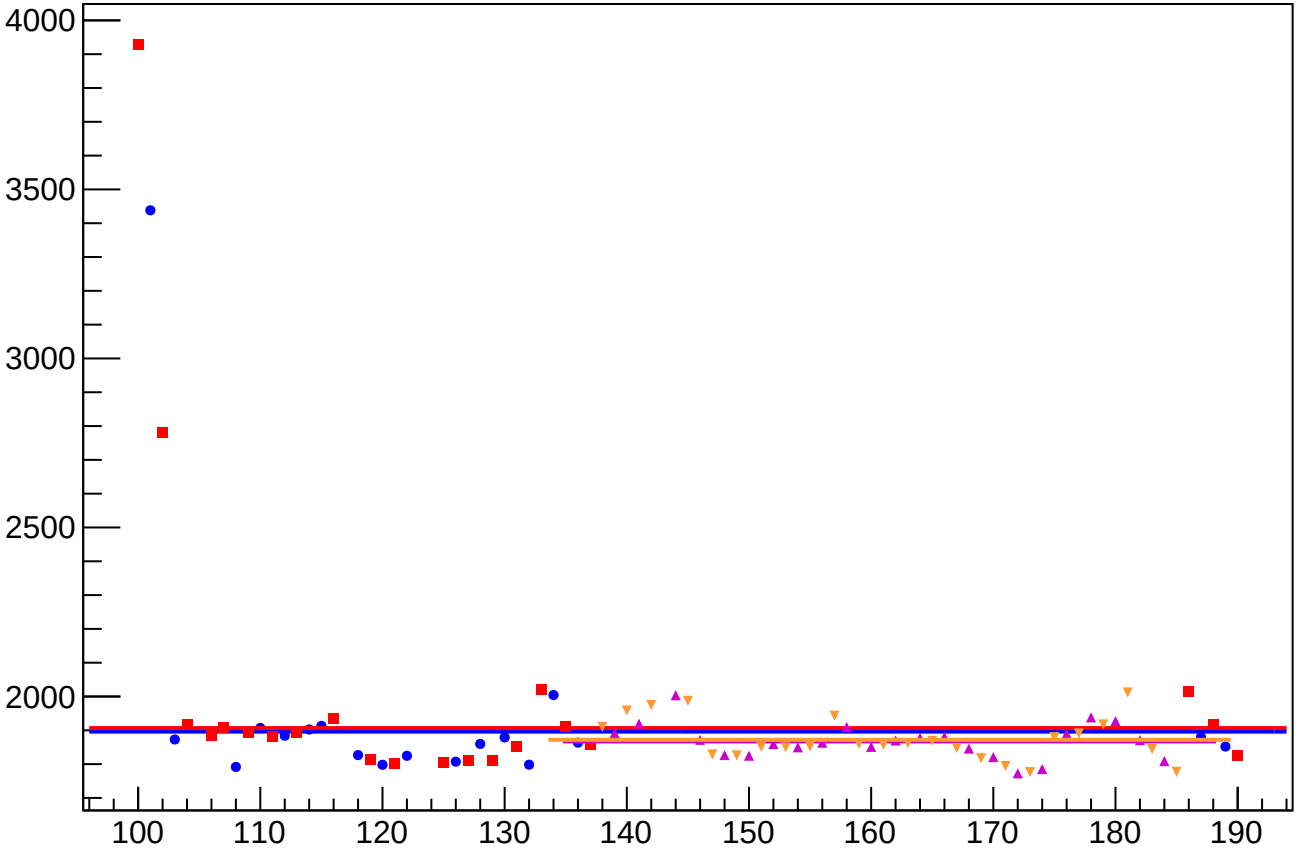
Left In: -4650.461+/-436.198 χ^2/NDF:30.5/22

+ sign 3628.443+/-366.167 χ^2/NDF: 35.3/41

All: -406.975+/-257.253 χ^2/NDF: 326.0/85

- sign -4340.136+/-361.498 χ^2/NDF: 50.8/43

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

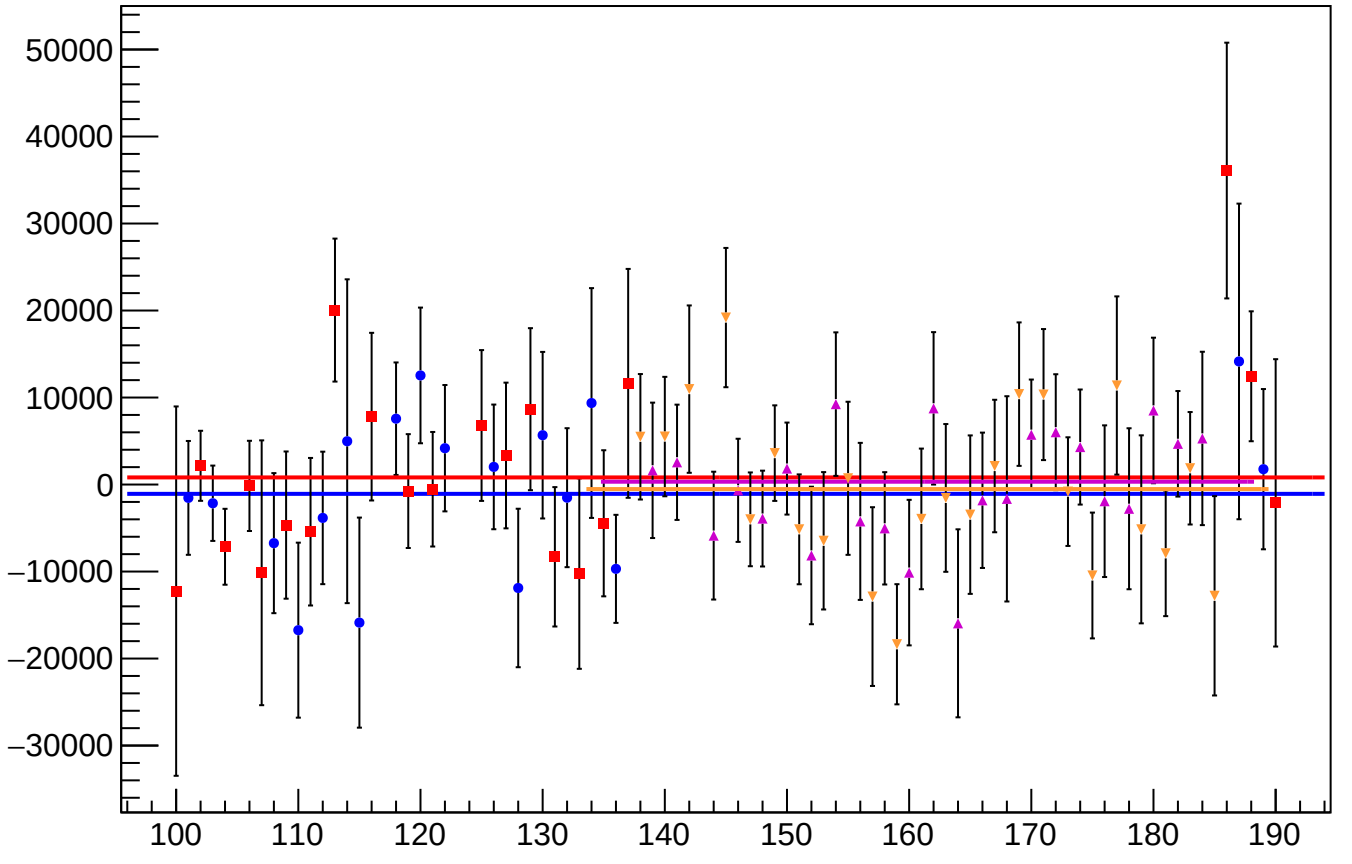
Right Out: 1906.620+/-0.456 χ^2/NDF: 153894.9/20

Left In: 1867.079+/-0.308 χ^2/NDF:27246.7/22

+ sign 1879.019+/-0.259 χ^2/NDF: 318099.3/41

All: 1879.251+/-0.182 χ^2/NDF: 504395.5/85

- sign 1879.477+/-0.256 χ^2/NDF: 186294.6/43



Right In: -1070.088+/-1847.387 χ^2/NDF: 15.5/17

Left Out: -520.262+/-1536.784 χ^2/NDF:29.2/23

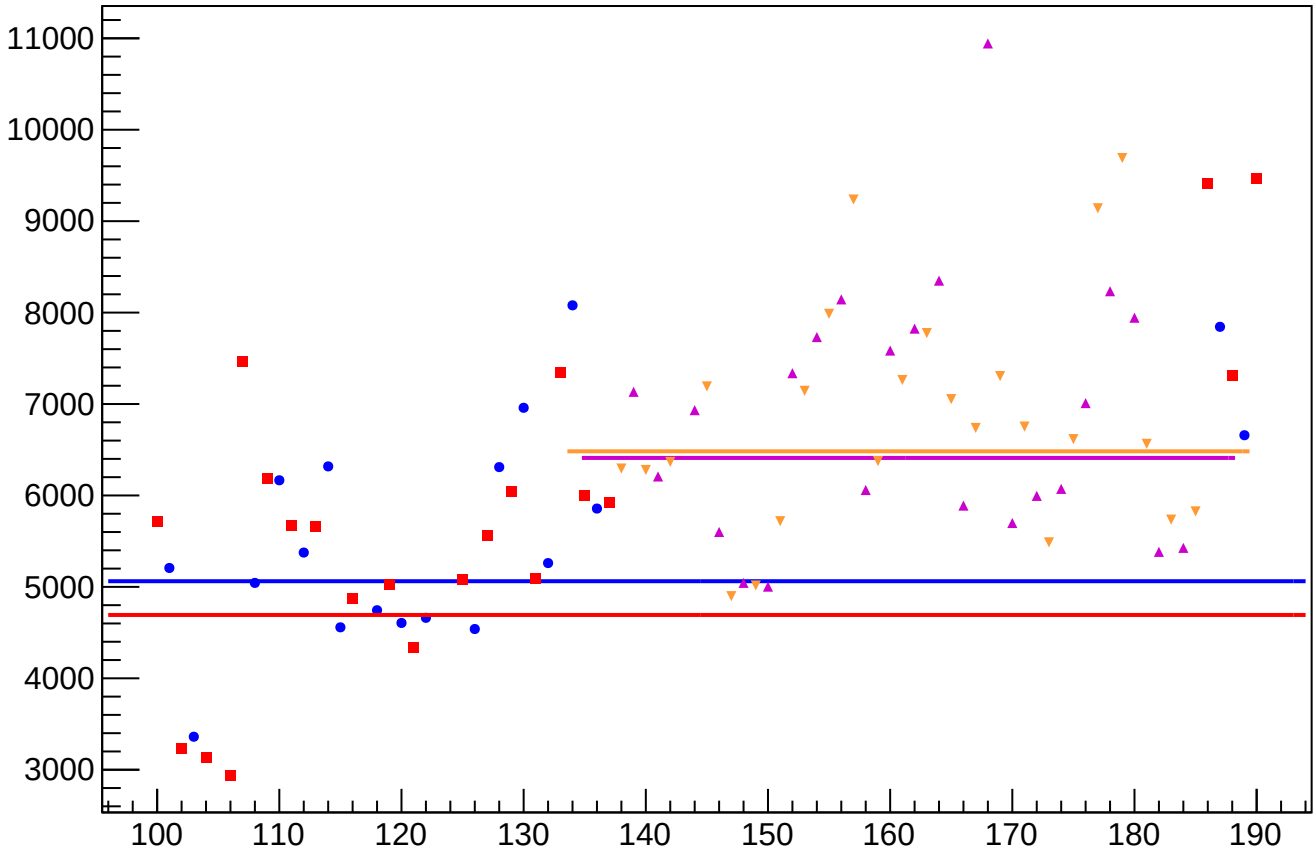
Right Out: 818.003+/-1650.359 χ^2/NDF: 24.3/20

Left In: 324.625+/-1527.995 χ^2/NDF:13.4/22

+ sign -745.133+/-1181.441 χ^2/NDF: 44.8/41

All: -62.484+/-813.279 χ^2/NDF: 83.2/85

- sign 552.347+/-1121.222 χ^2/NDF: 37.8/43



Right In: 5062.073+/-1.306 χ^2/NDF: 739909.2/17

Left Out: 6482.730+/-1.087 χ^2/NDF:1074584.9/23

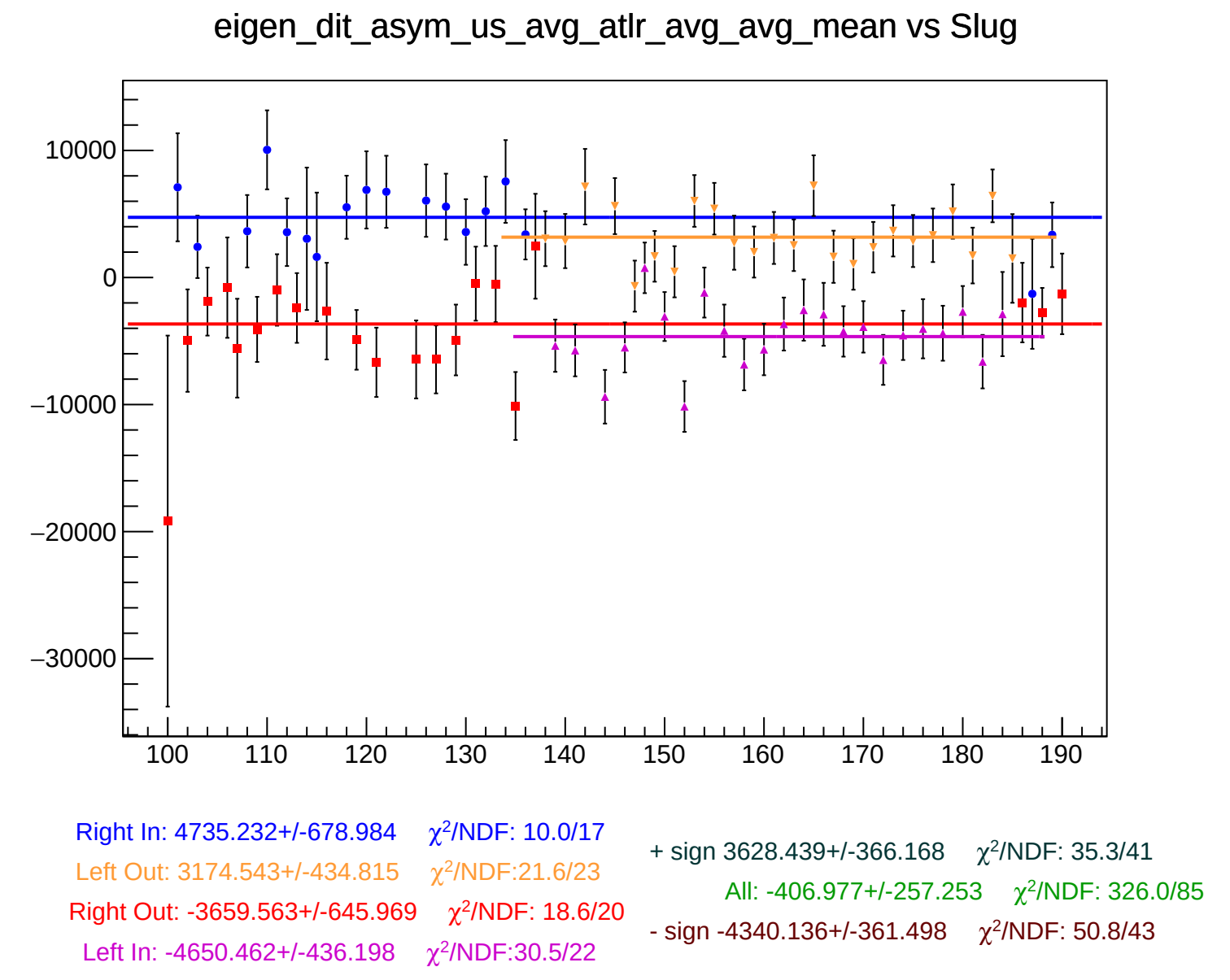
Right Out: 4692.890+/-1.167 χ^2/NDF: 1821562.1/20

Left In: 6410.419+/-1.080 χ^2/NDF:1219830.0/22

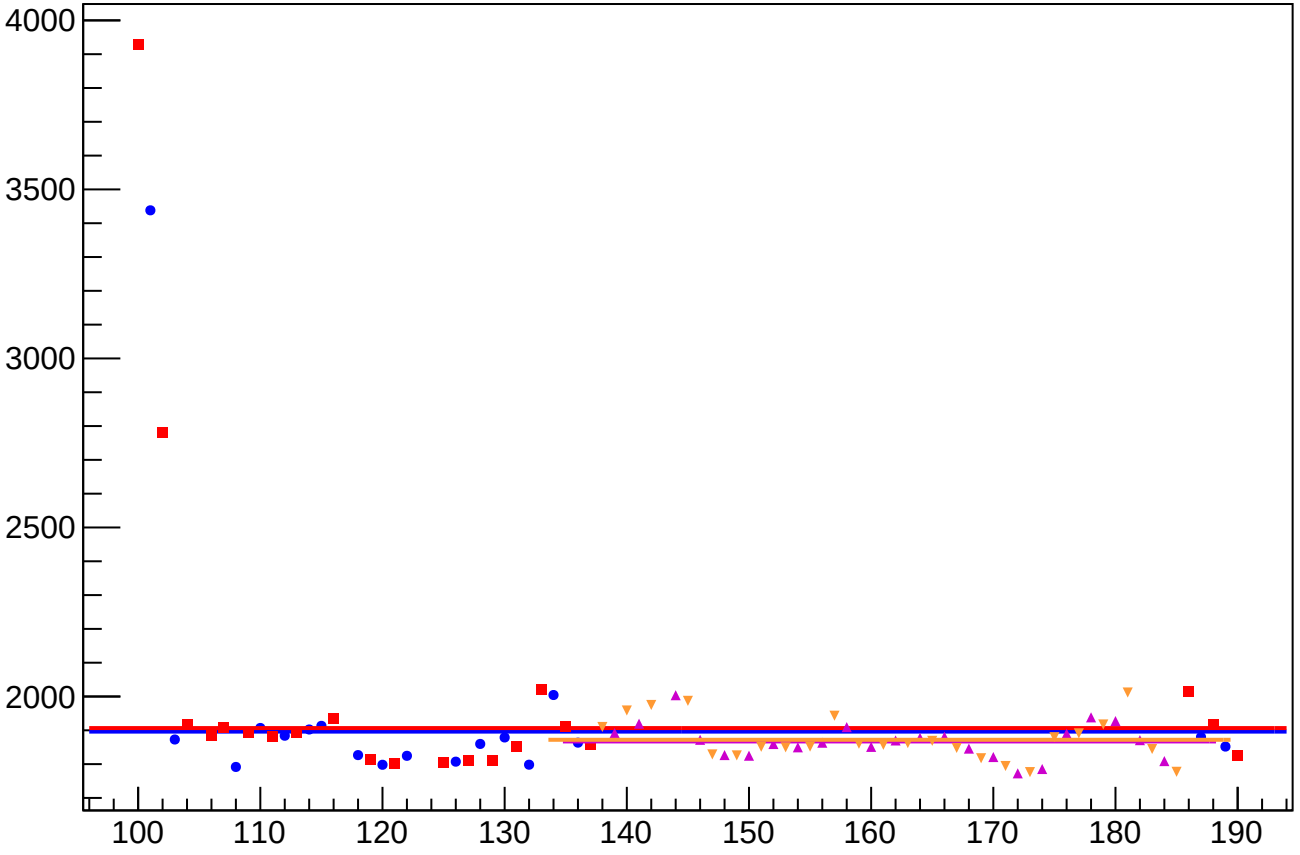
+ sign 5901.702+/-0.835 χ^2/NDF: 2513515.1/41

All: 5752.268+/-0.575 χ^2/NDF: 6782048.8/85

- sign 5617.680+/-0.793 χ^2/NDF: 4207719.2/43


eigen_dit_asym_us_avg_atlr_avg_avg_mean vs Slug
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: 4735.232+/-678.984 χ²/NDF: 10.0/17
Left Out: 3174.543+/-434.815 χ²/NDF:21.6/23
Right Out: -3659.563+/-645.969 χ²/NDF: 18.6/20
Left In: -4650.462+/-436.198 χ²/NDF:30.5/22
+ sign 3628.439+/-366.168 χ²/NDF: 35.3/41
All: -406.977+/-257.253 χ²/NDF: 326.0/85
- sign -4340.136+/-361.498 χ²/NDF: 50.8/43

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

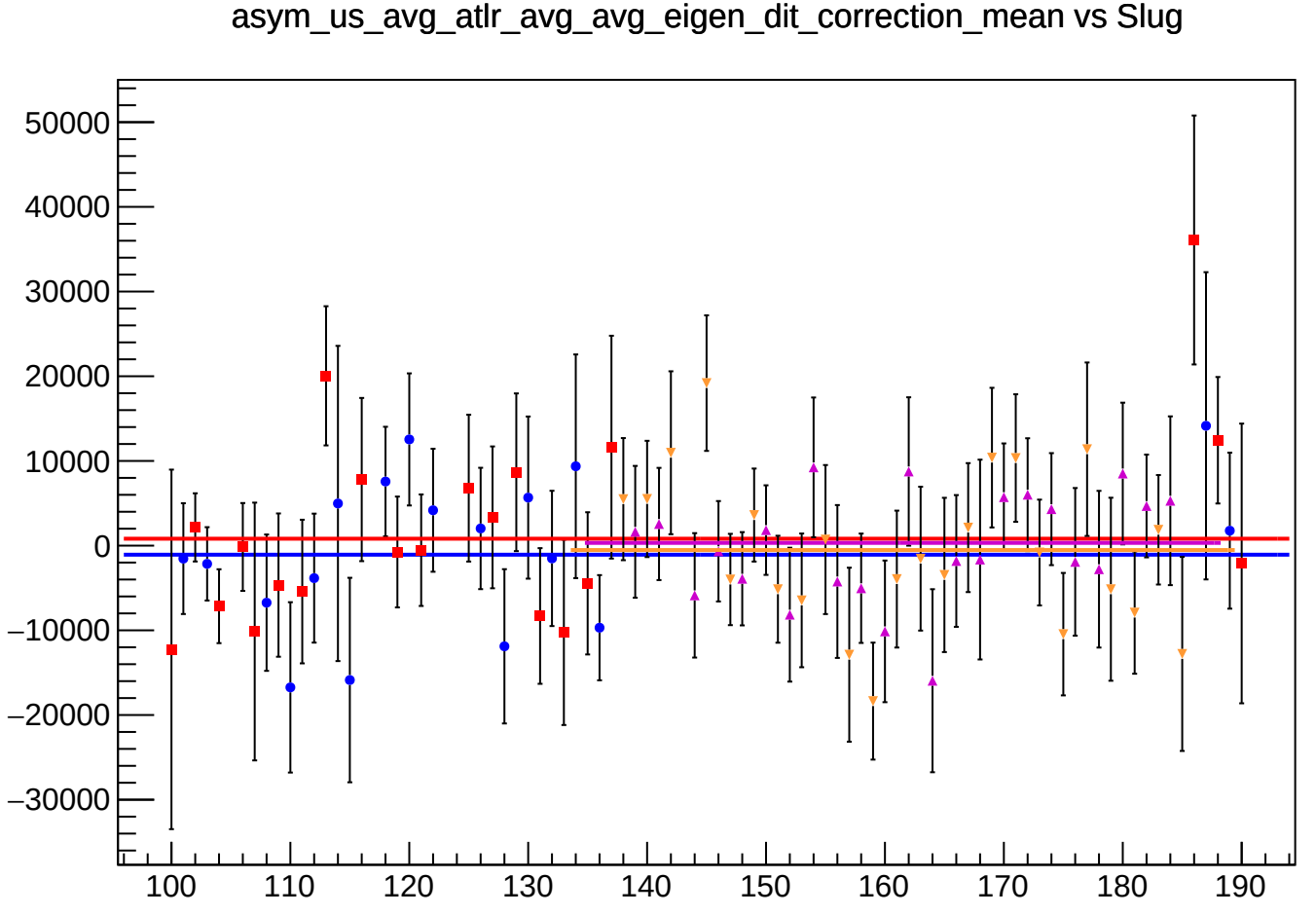
Right Out: 1906.619+/-0.456 χ^2/NDF: 153894.1/20

Left In: 1867.080+/-0.308 χ^2/NDF:27247.8/22

+ sign 1879.020+/-0.259 χ^2/NDF: 318100.3/41

All: 1879.252+/-0.182 χ^2/NDF: 504396.3/85

- sign 1879.478+/-0.256 χ^2/NDF: 186294.5/43



Right In: -1070.080+/-1847.383 χ^2/NDF: 15.5/17

Left Out: -520.268+/-1536.787 χ^2/NDF:29.2/23

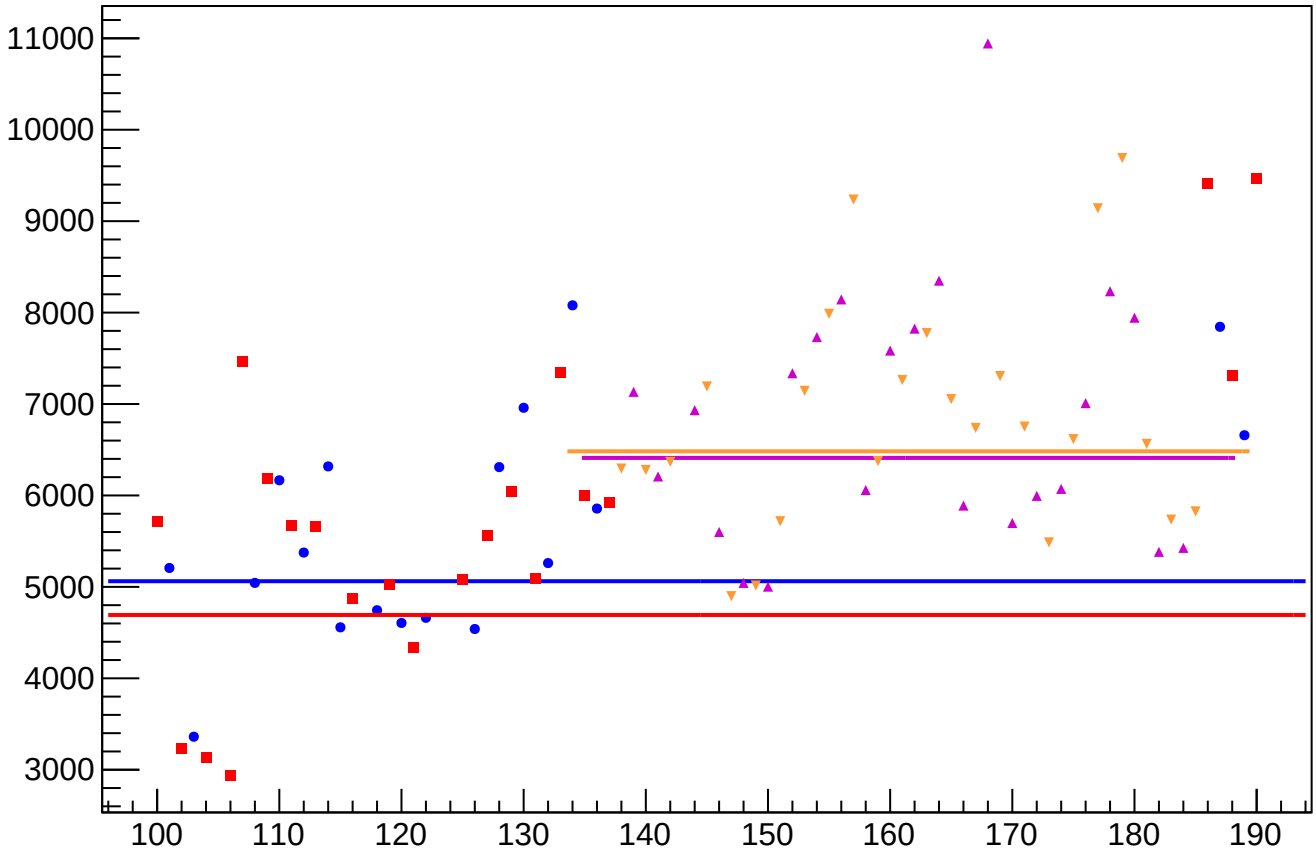
Right Out: 817.997+/-1650.355 χ^2/NDF: 24.3/20

Left In: 324.626+/-1527.998 χ^2/NDF:13.4/22

+ sign -745.134+/-1181.441 χ^2/NDF: 44.8/41

All: -62.486+/-813.279 χ^2/NDF: 83.2/85

- sign 552.346+/-1121.222 χ^2/NDF: 37.8/43



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: 4692.878+/-1.167 χ^2/NDF: 1821566.4/20

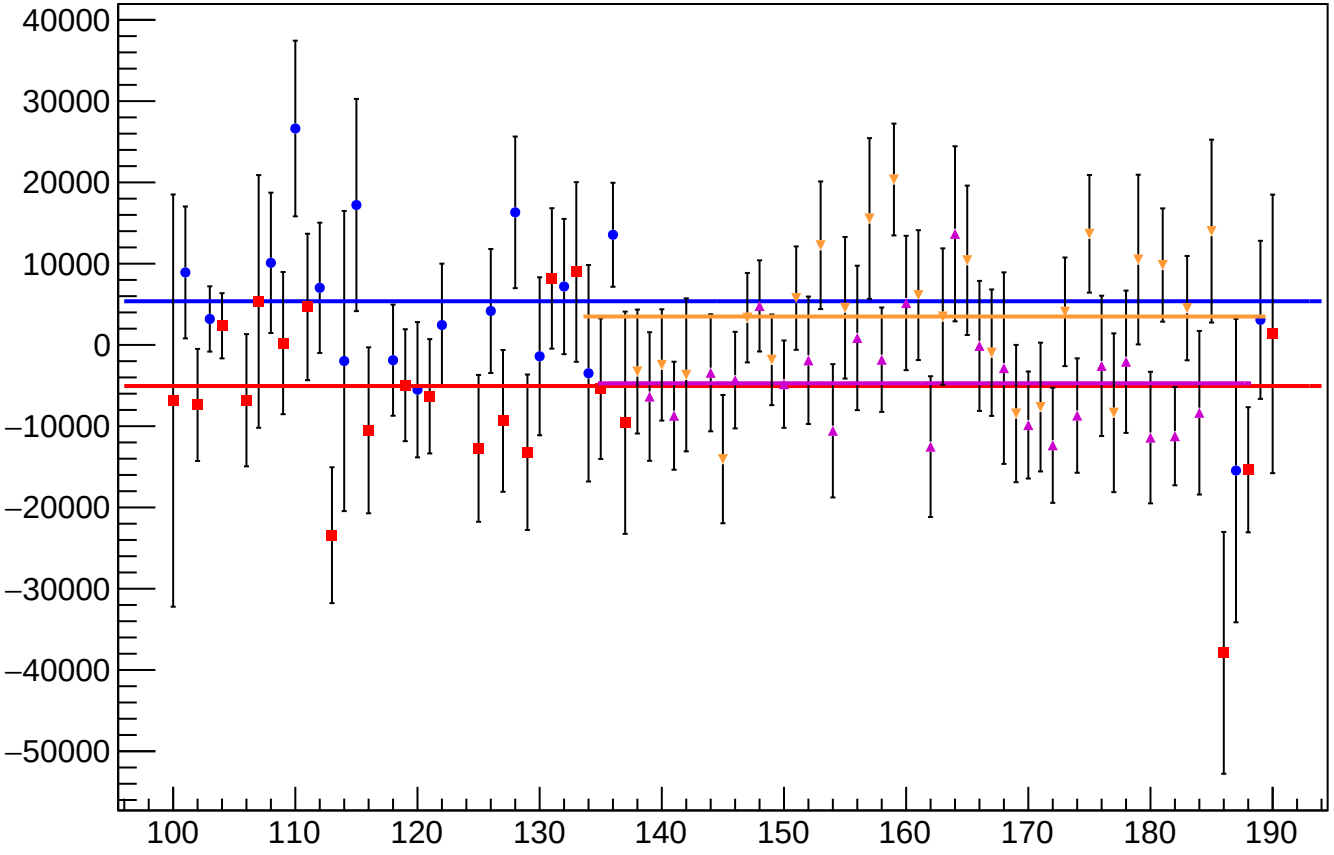
Left In: 6410.429+/-1.080 χ^2/NDF:1219833.0/22

+ sign 5901.700+/-0.835 χ^2/NDF: 2513546.1/41

All: 5752.266+/-0.575 χ^2/NDF: 6782118.5/85

- sign 5617.677+/-0.793 χ^2/NDF: 4207757.3/43

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: -5056.797+/-1838.383 χ^2/NDF: 23.3/20

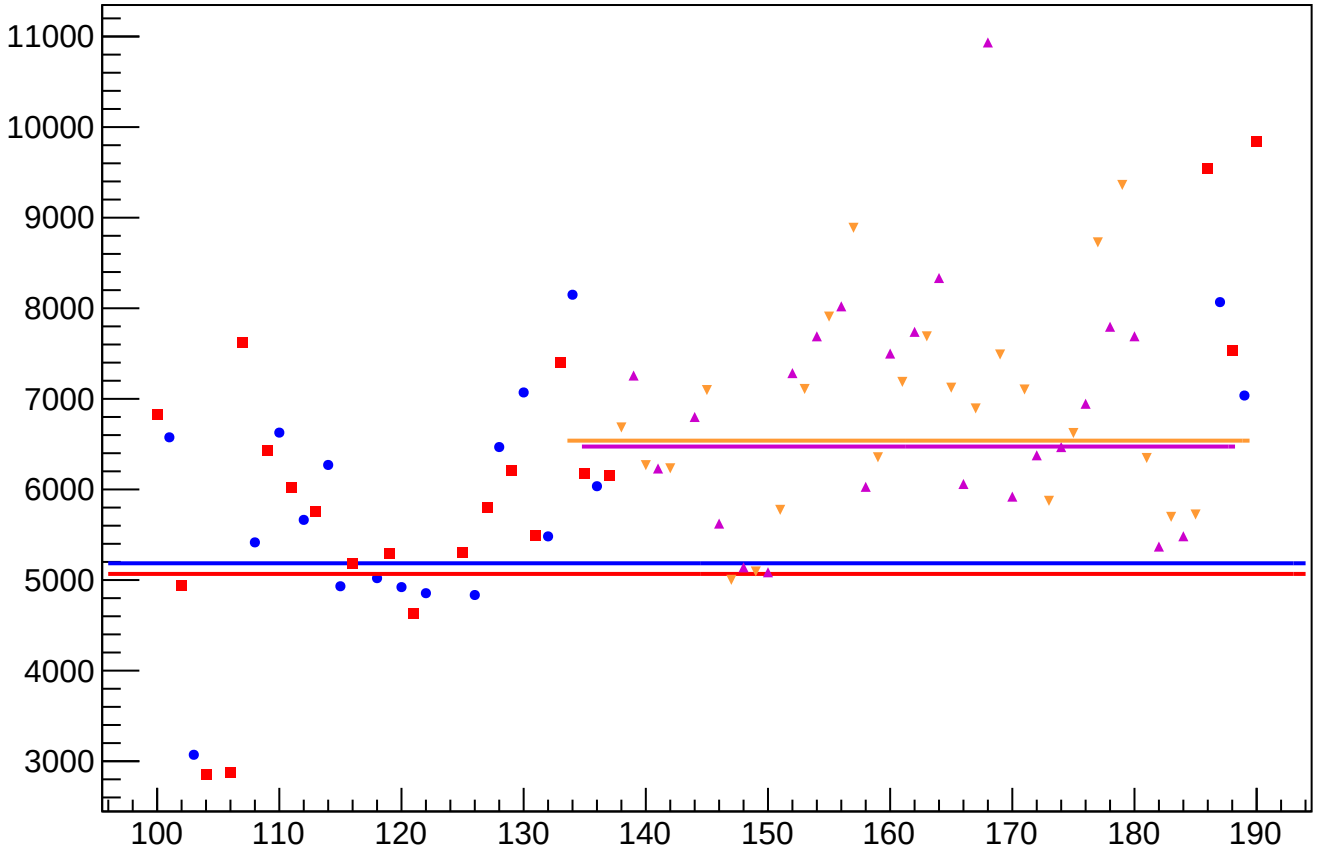
Left In: -4719.535+/-1539.177 χ^2/NDF:14.3/22

+ sign 4240.076+/-1201.743 χ^2/NDF: 42.0/41

All: -391.680+/-842.024 χ^2/NDF: 108.7/85

- sign -4858.521+/-1180.155 χ^2/NDF: 37.5/43

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

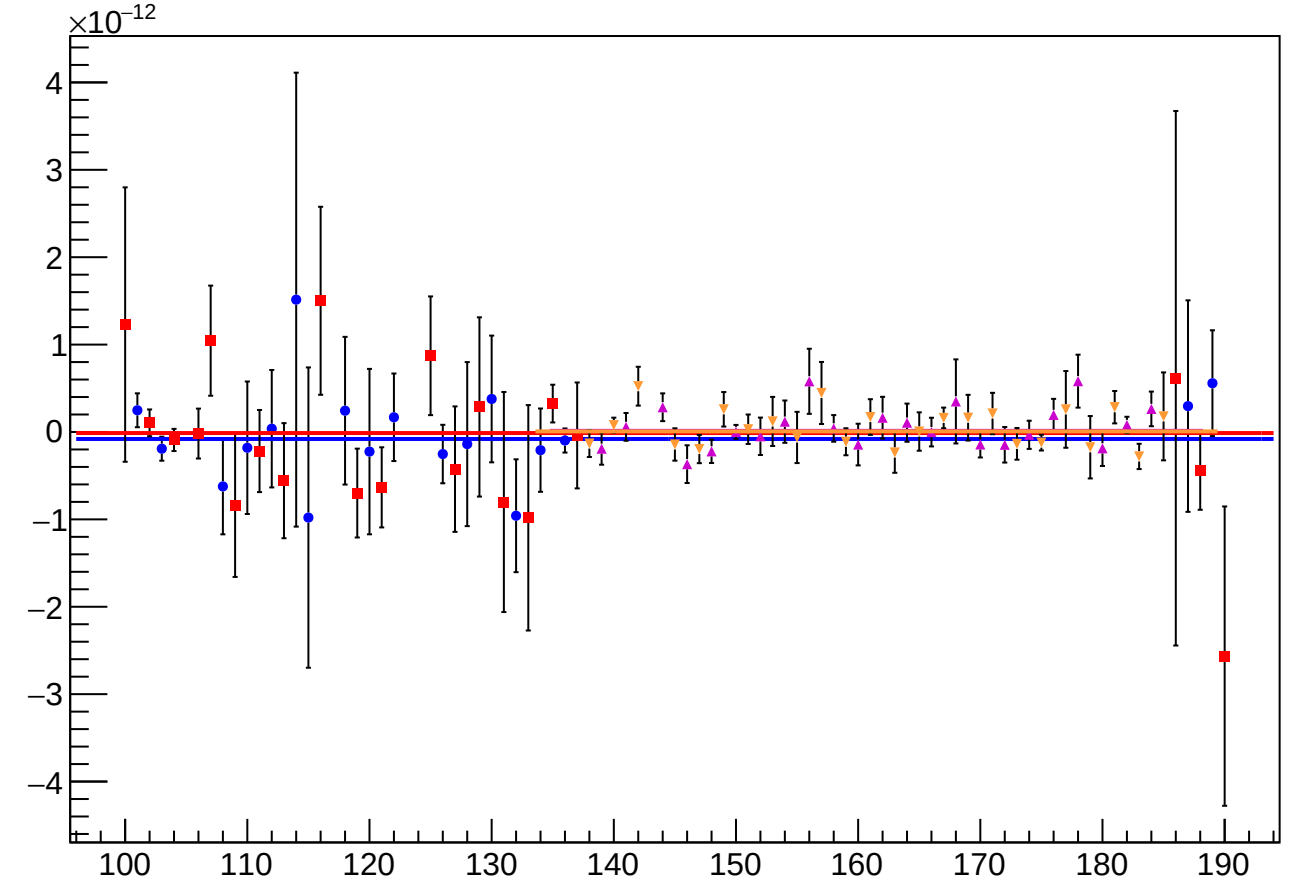
Right Out: 5067.488+/-1.276 χ^2/NDF: 1746195.1/20

Left In: 6473.481+/-1.088 χ^2/NDF:1071757.3/22

+ sign 6003.121+/-0.850 χ^2/NDF: 2572736.9/41

All: 5940.636+/-0.593 χ^2/NDF: 6104119.9/85

- sign 5881.305+/-0.828 χ^2/NDF: 3520841.6/43



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:27.2/23

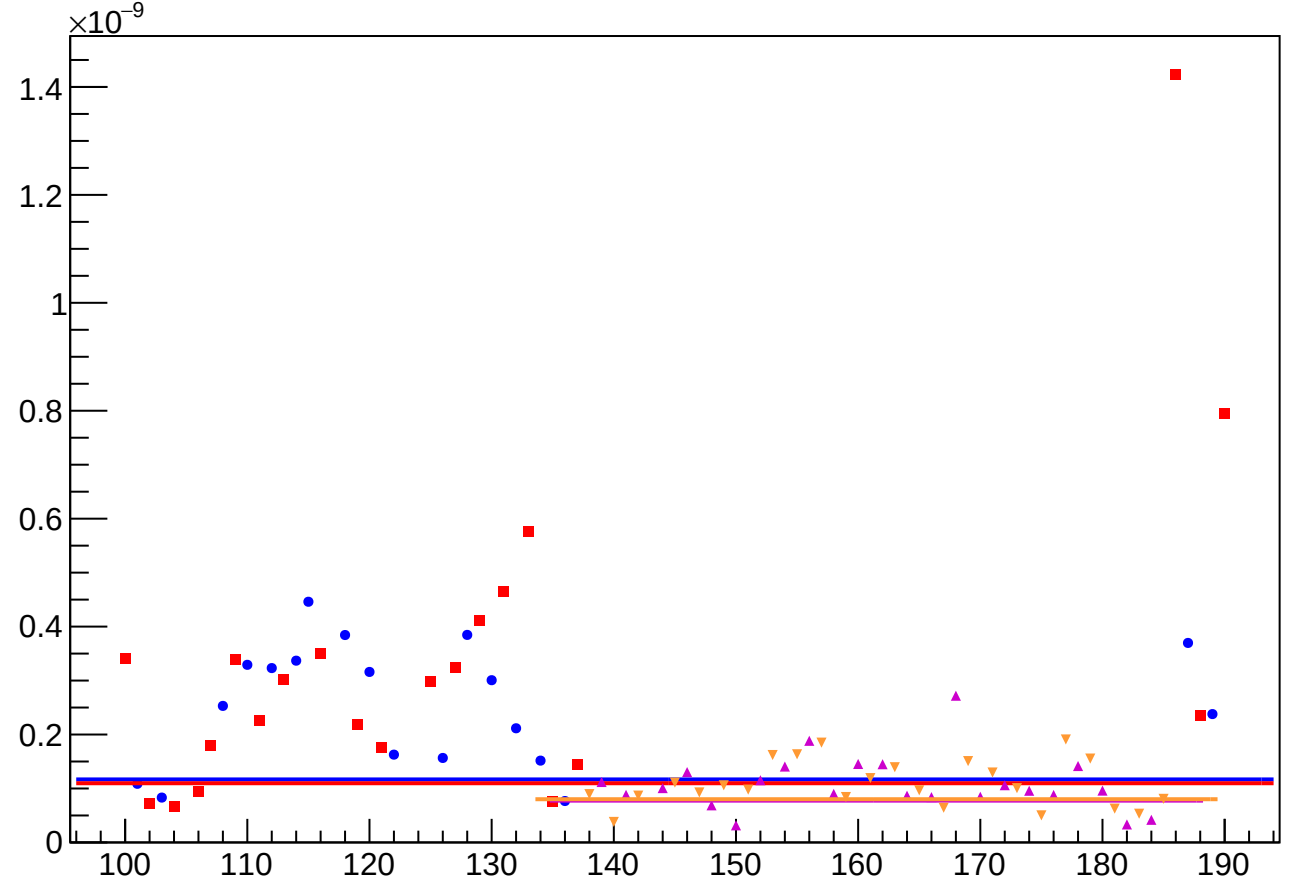
Right Out: -0.000+/-0.000 χ^2/NDF: 20.6/20

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: 82.4/85

- sign 0.000+/-0.000 χ^2/NDF: 44.7/43



Right In: 0.000+/-0.000 χ^2/NDF: 1695158.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:2153227.2/23

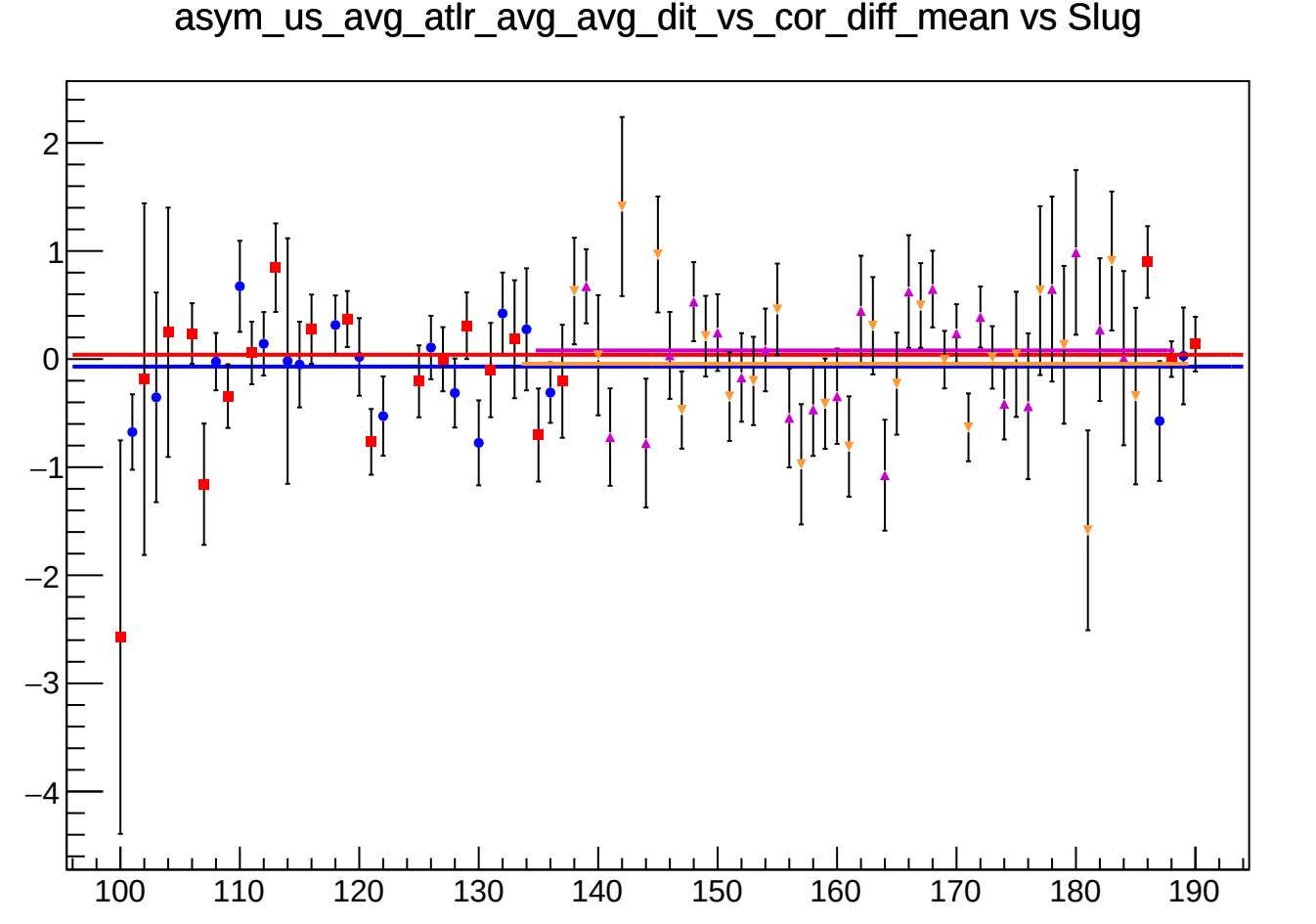
Right Out: 0.000+/-0.000 χ^2/NDF: 2942826.4/20

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: 10118934.4/85

- sign 0.000+/-0.000 χ^2/NDF: 5883453.2/43



Right In: -0.069+/-0.086 χ^2/NDF: 18.2/17

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

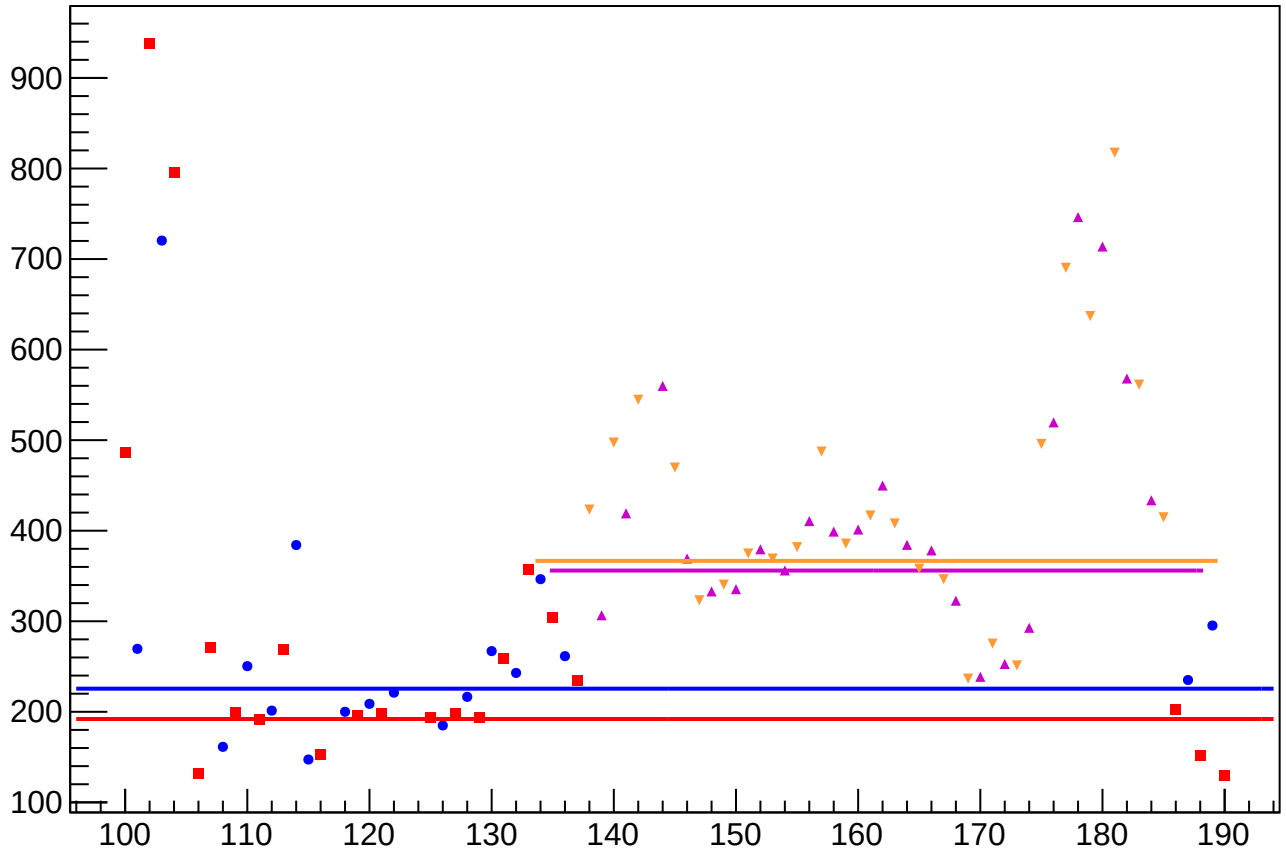
Right Out: 0.040+/-0.072 χ^2/NDF: 33.5/20

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign -0.057+/-0.062 χ^2/NDF: 49.2/41

All: 0.006+/-0.042 χ^2/NDF: 115.0/85

- sign 0.056+/-0.056 χ^2/NDF: 64.0/43



Right In: 225.548+/-0.061 χ^2/NDF: 1070137.2/17

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

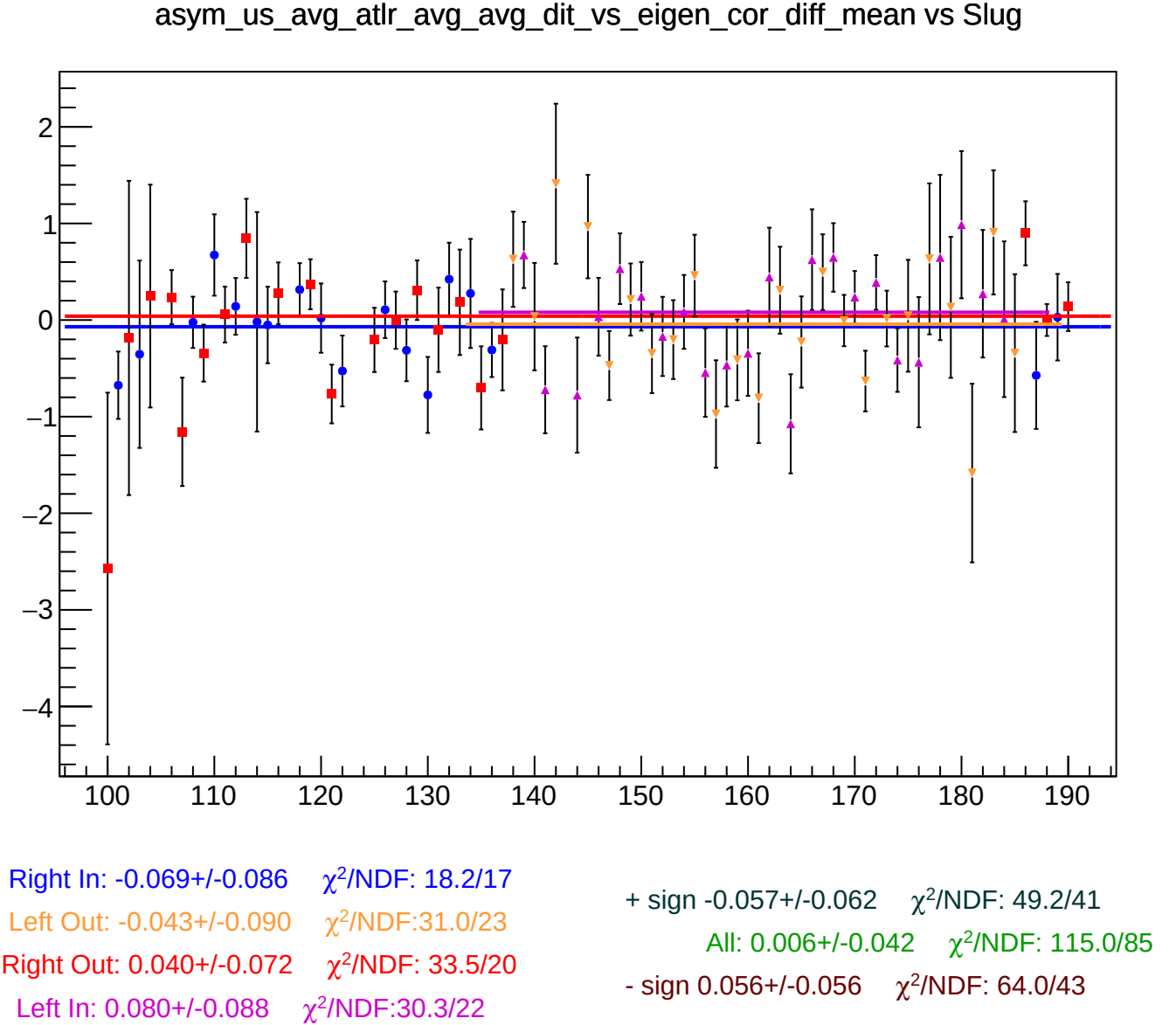
Right Out: 192.059+/-0.051 χ^2/NDF: 1877824.5/20

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 292.480+/-0.044 χ^2/NDF: 6470380.0/41

All: 273.388+/-0.029 χ^2/NDF: 15272744.4/85

- sign 258.118+/-0.039 χ^2/NDF: 8464281.6/43


asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug
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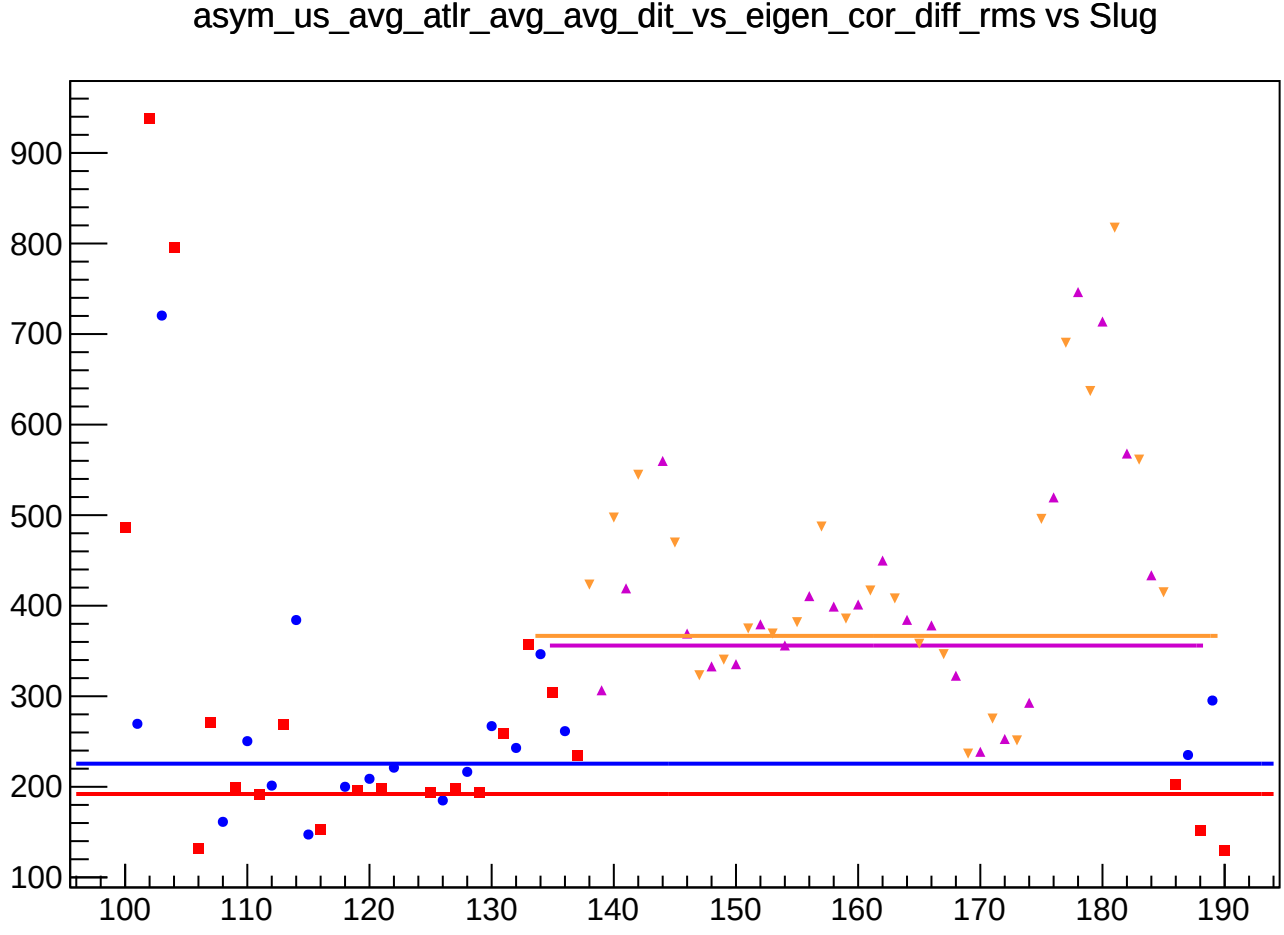
130
140
150
160
170
180
190
Right In: -0.069+/-0.086 χ²/NDF: 18.2/17
Left Out: -0.043+/-0.090 χ²/NDF:31.0/23
Right Out: 0.040+/-0.072 χ²/NDF: 33.5/20
Left In: 0.080+/-0.088 χ²/NDF:30.3/22
+ sign -0.057+/-0.062 χ²/NDF: 49.2/41
All: 0.006+/-0.042 χ²/NDF: 115.0/85
- sign 0.056+/-0.056 χ²/NDF: 64.0/43



Right In: 225.548+/-0.061 χ^2/NDF: 1070137.2/17

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

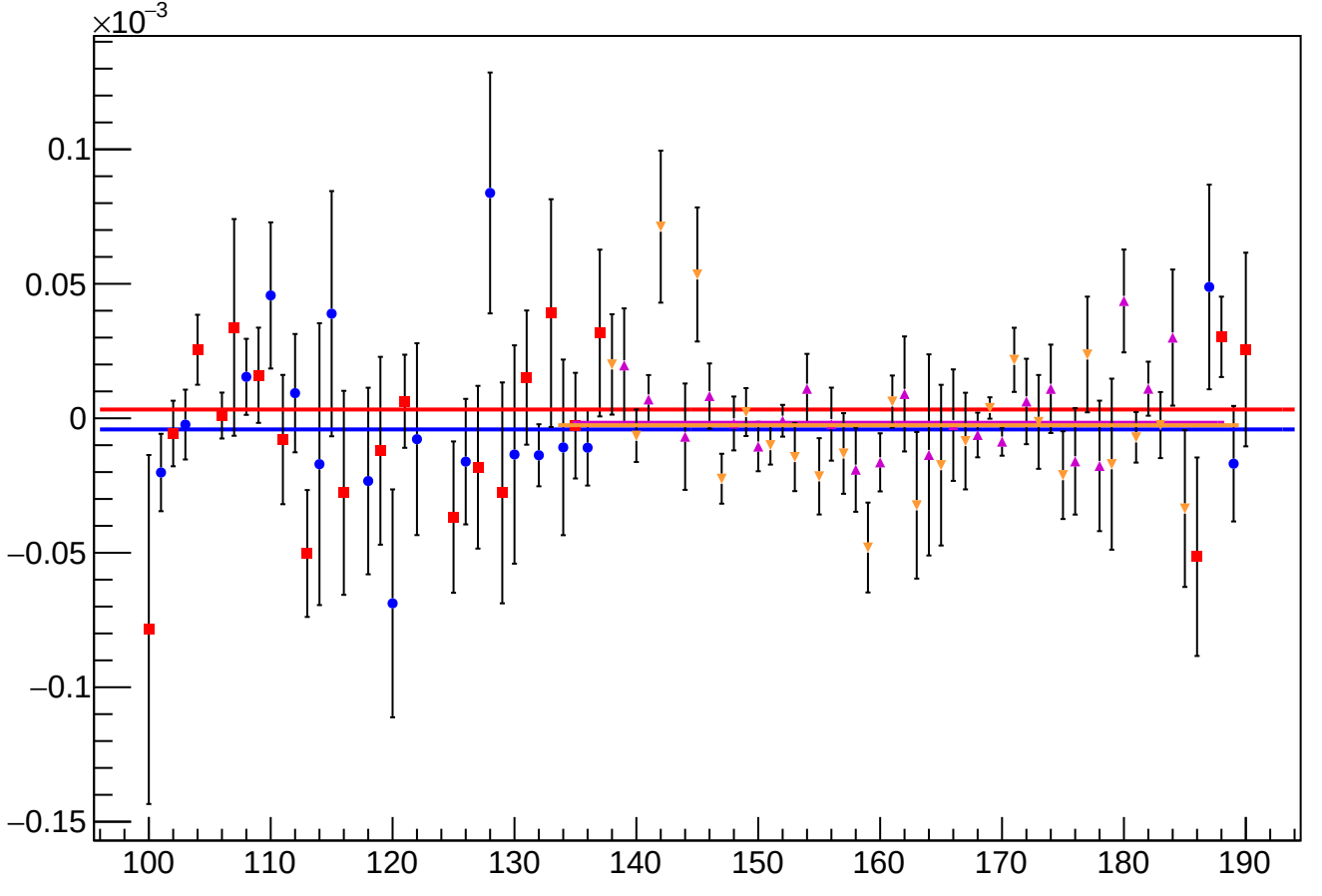
Right Out: 192.059+/-0.051 χ^2/NDF: 1877824.5/20

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 292.480+/-0.044 χ^2/NDF: 6470380.0/41

All: 273.388+/-0.029 χ^2/NDF: 15272744.4/85

- sign 258.118+/-0.039 χ^2/NDF: 8464281.6/43



Right In: -0.000+/-0.000 χ^2/NDF: 17.9/17

Left Out: -0.000+/-0.000 χ^2/NDF:43.5/23

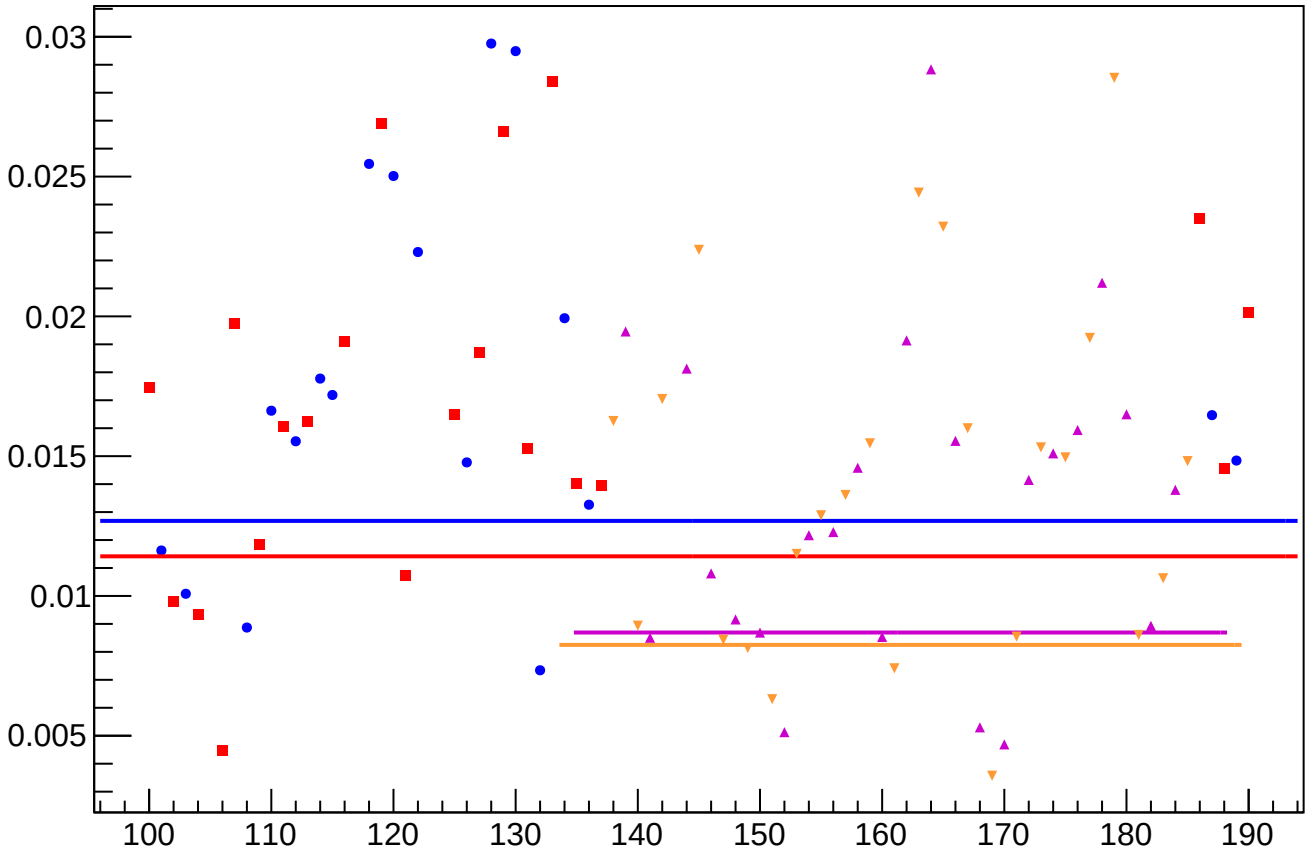
Right Out: 0.000+/-0.000 χ^2/NDF: 23.3/20

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: 107.1/85

- sign -0.000+/-0.000 χ^2/NDF: 45.0/43



Right In: 0.013+/-0.000 χ^2/NDF: 2157688.5/17

Left Out: 0.008+/-0.000 χ^2/NDF:8879581.2/23

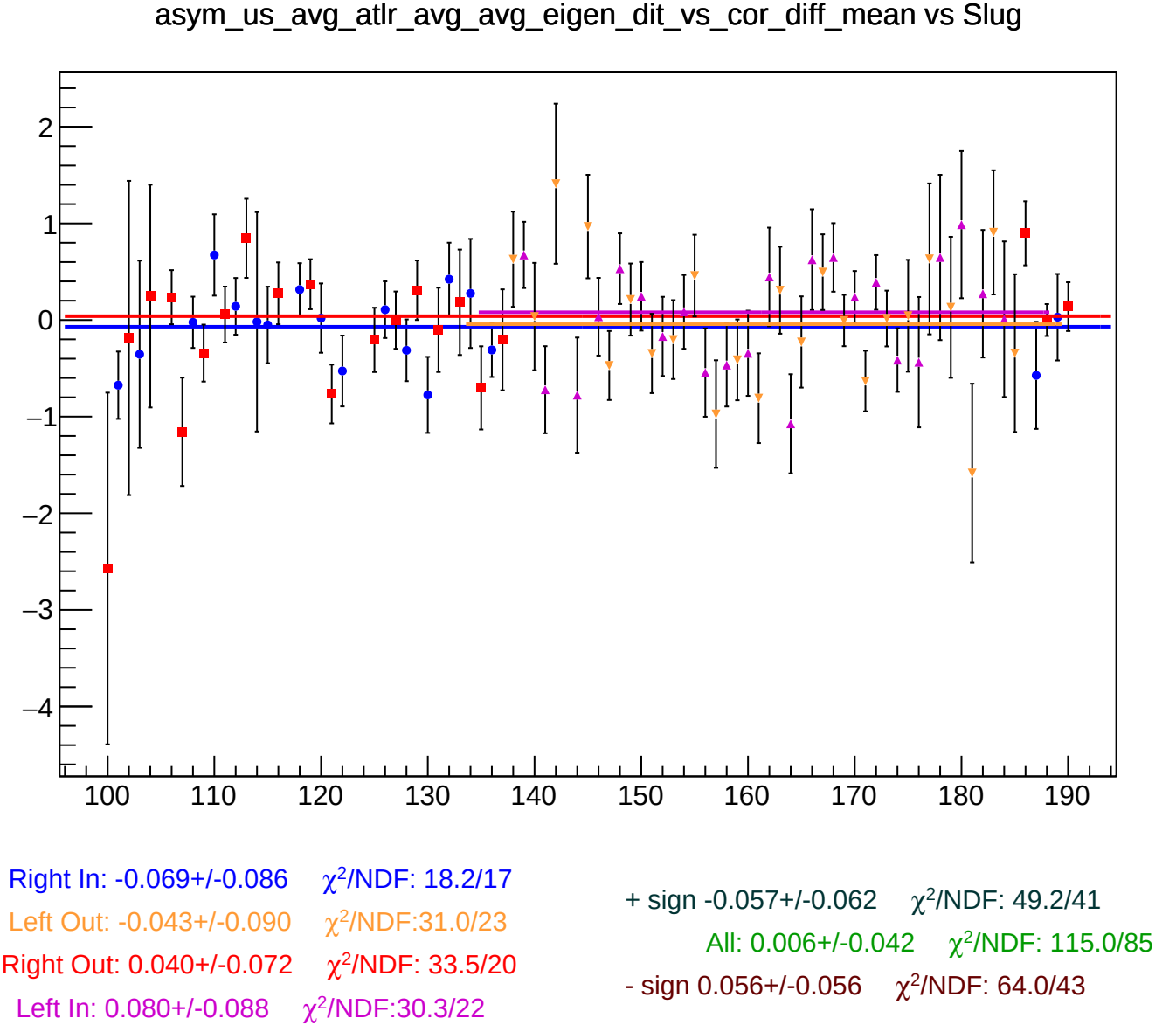
Right Out: 0.011+/-0.000 χ^2/NDF: 3445108.2/20

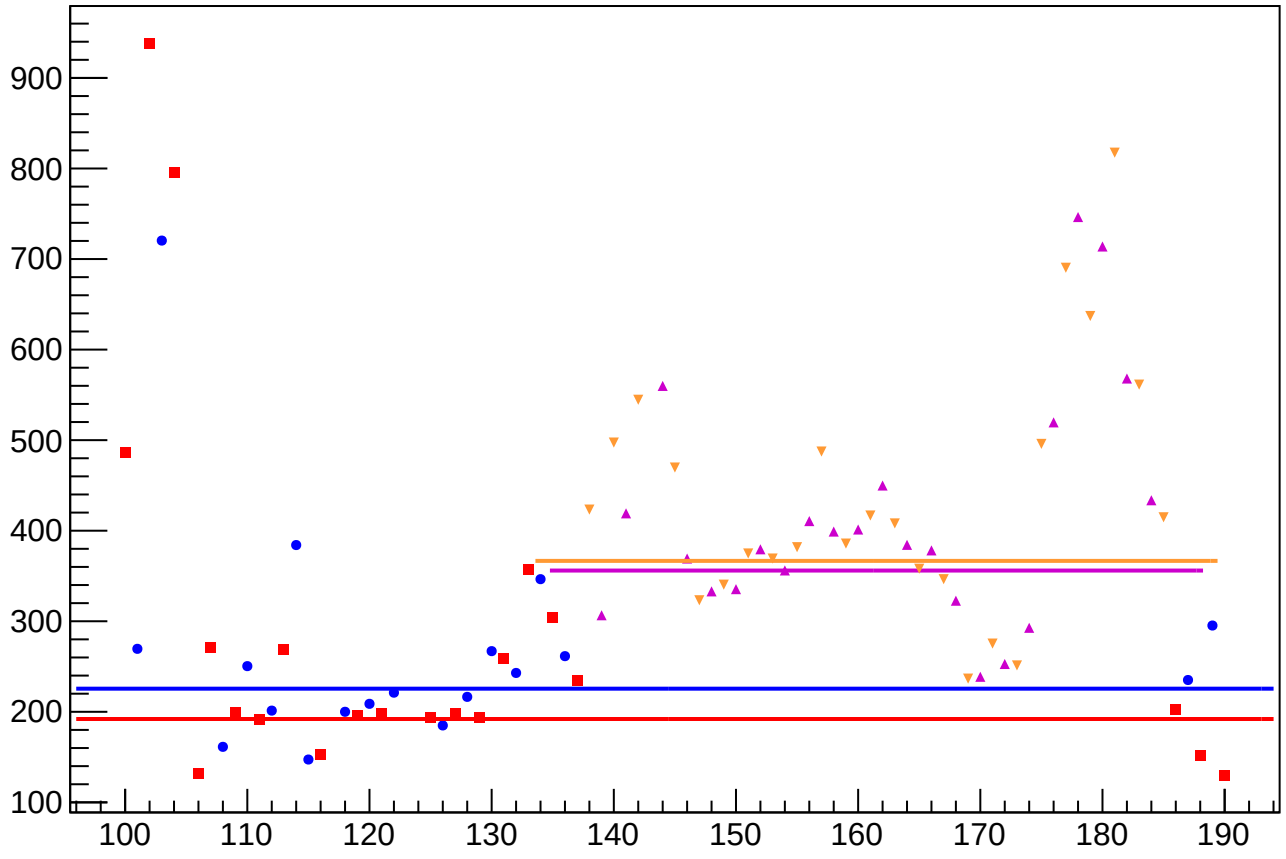
Left In: 0.009+/-0.000 χ^2/NDF:6875072.4/22

+ sign 0.009+/-0.000 χ^2/NDF: 12384027.5/41

All: 0.009+/-0.000 χ^2/NDF: 23336746.1/85

- sign 0.009+/-0.000 χ^2/NDF: 10933509.8/43


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: 0.040+/-0.072 χ²/NDF: 33.5/20
Left In: 0.080+/-0.088 χ²/NDF:30.3/22
+ sign -0.057+/-0.062 χ²/NDF: 49.2/41
All: 0.006+/-0.042 χ²/NDF: 115.0/85
- sign 0.056+/-0.056 χ²/NDF: 64.0/43



Right In: 225.546+/-0.061 χ^2/NDF: 1070131.8/17

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

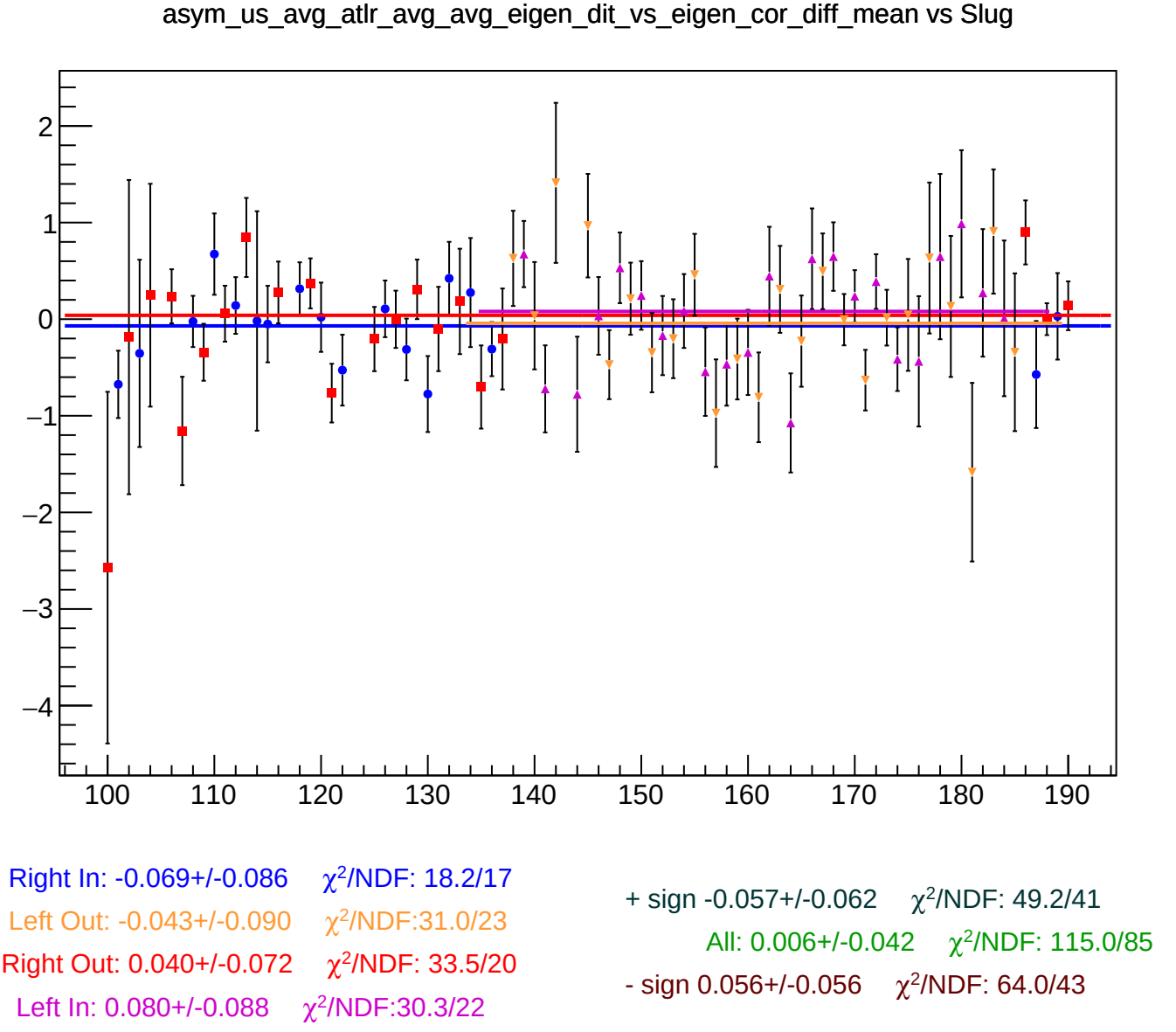
Right Out: 192.056+/-0.051 χ^2/NDF: 1877814.6/20

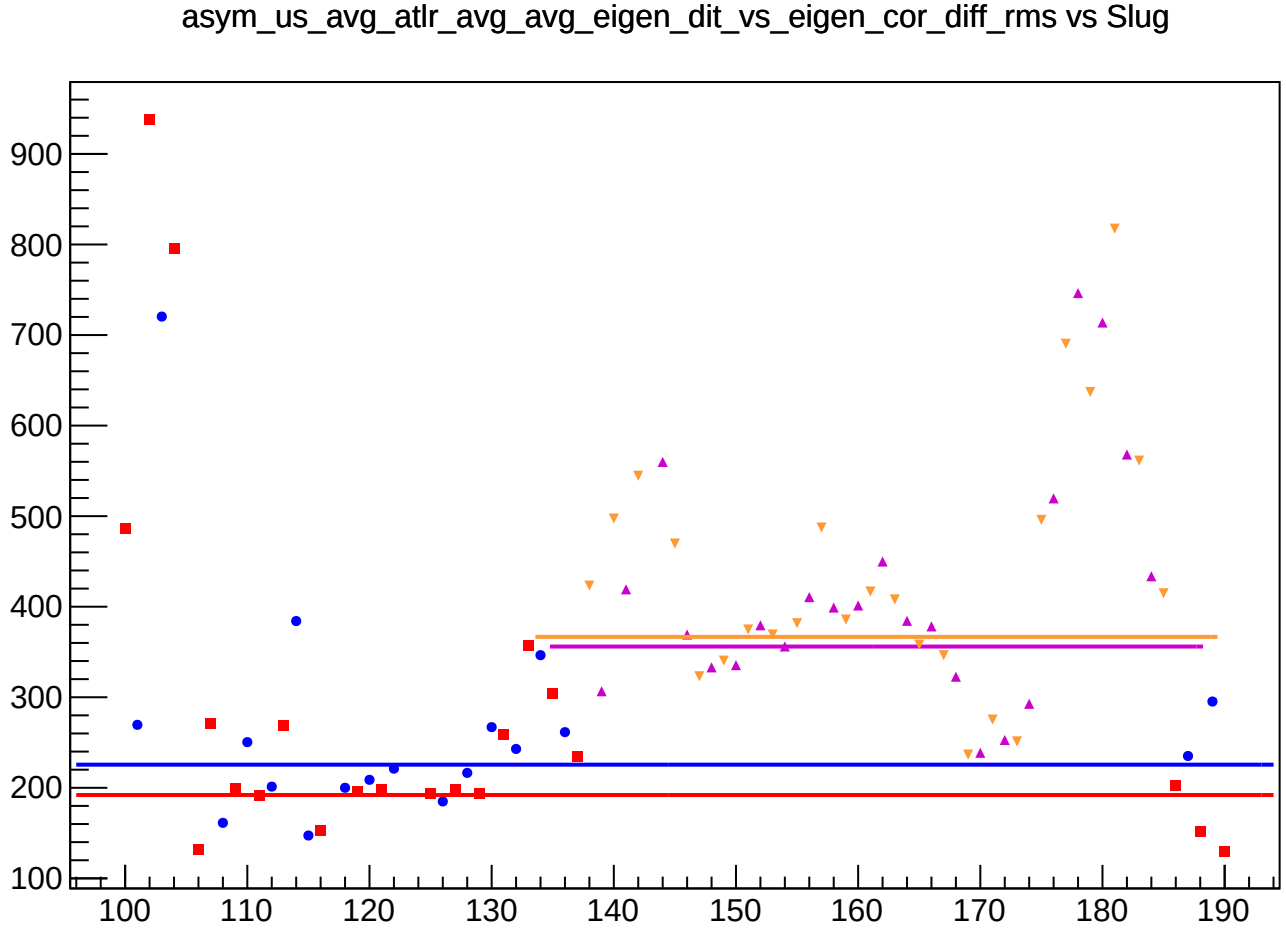
Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

+ sign 292.478+/-0.044 χ^2/NDF: 6470661.4/41

All: 273.386+/-0.029 χ^2/NDF: 15273478.4/85

- sign 258.115+/-0.039 χ^2/NDF: 8464695.9/43


asym_us_avg_atlr_avg_avg_eigen_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: 0.040+/-0.072 χ²/NDF: 33.5/20
Left In: 0.080+/-0.088 χ²/NDF:30.3/22
+ sign -0.057+/-0.062 χ²/NDF: 49.2/41
All: 0.006+/-0.042 χ²/NDF: 115.0/85
- sign 0.056+/-0.056 χ²/NDF: 64.0/43



Right In: 225.546+/-0.061 χ^2/NDF: 1070131.8/17

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

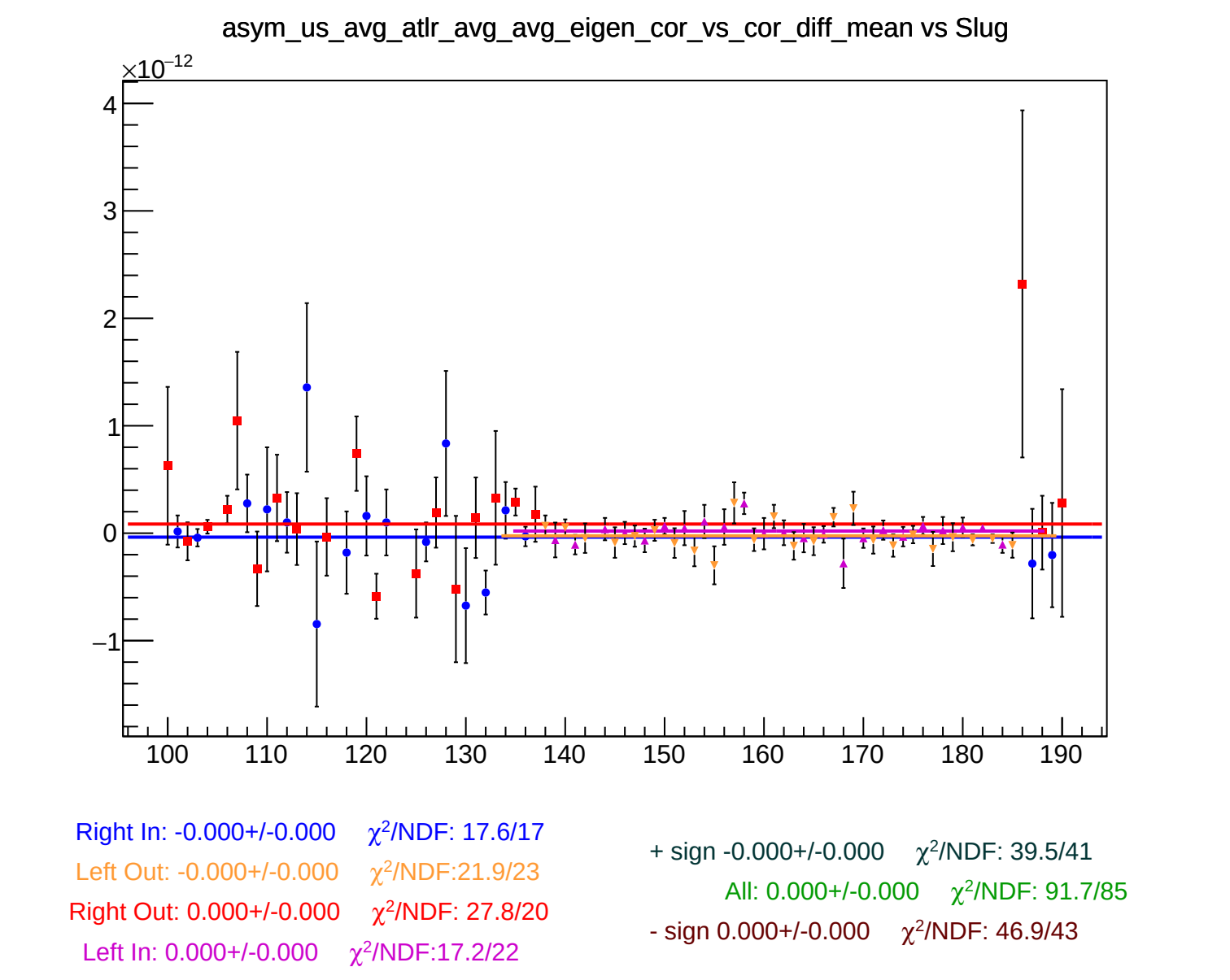
Right Out: 192.056+/-0.051 χ^2/NDF: 1877814.6/20

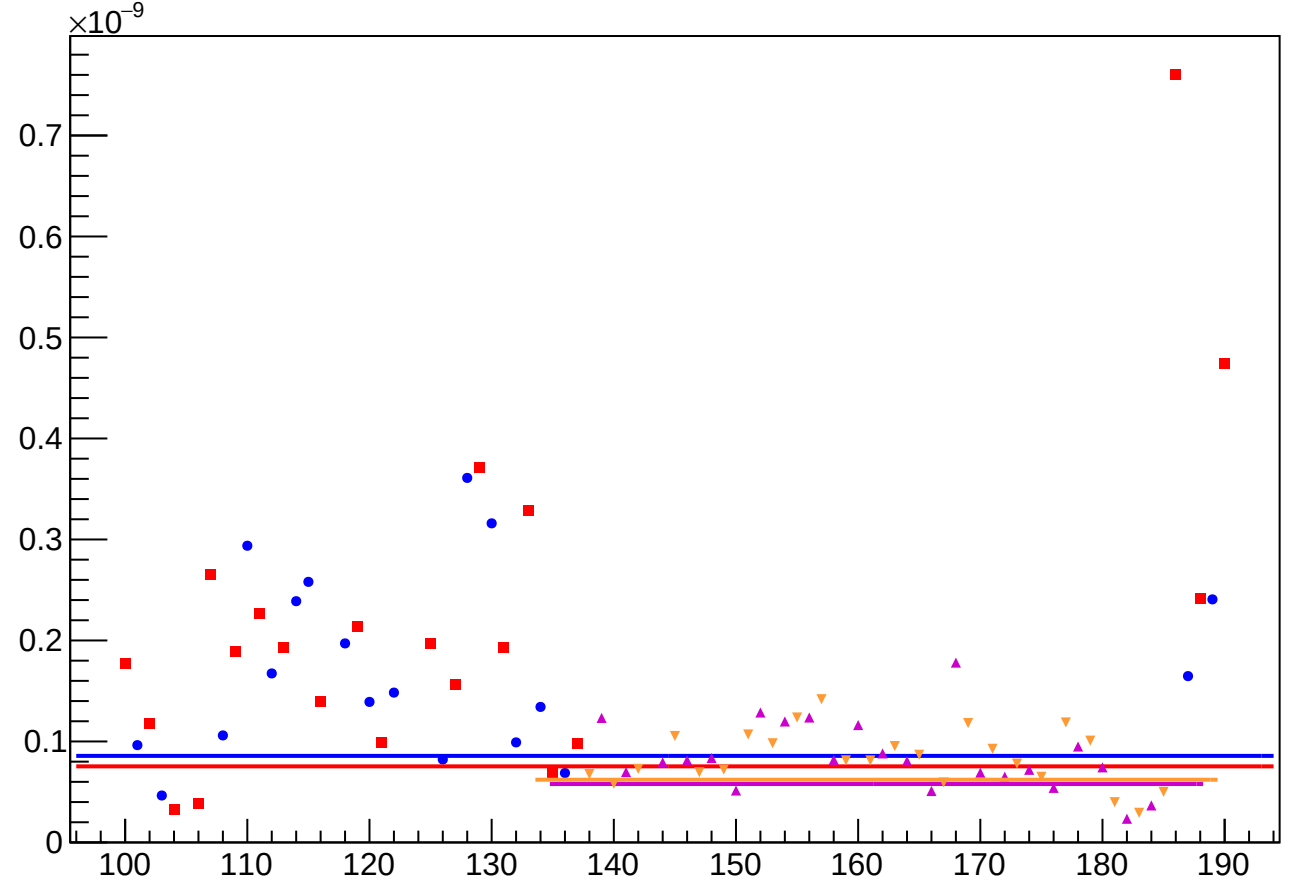
Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

+ sign 292.478+/-0.044 χ^2/NDF: 6470661.4/41

All: 273.386+/-0.029 χ^2/NDF: 15273478.4/85

- sign 258.115+/-0.039 χ^2/NDF: 8464695.9/43


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
4
3
2
1
0
−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: 27.8/20
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: 91.7/85
- sign 0.000+/-0.000 χ²/NDF: 46.9/43



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: 4872523.8/20

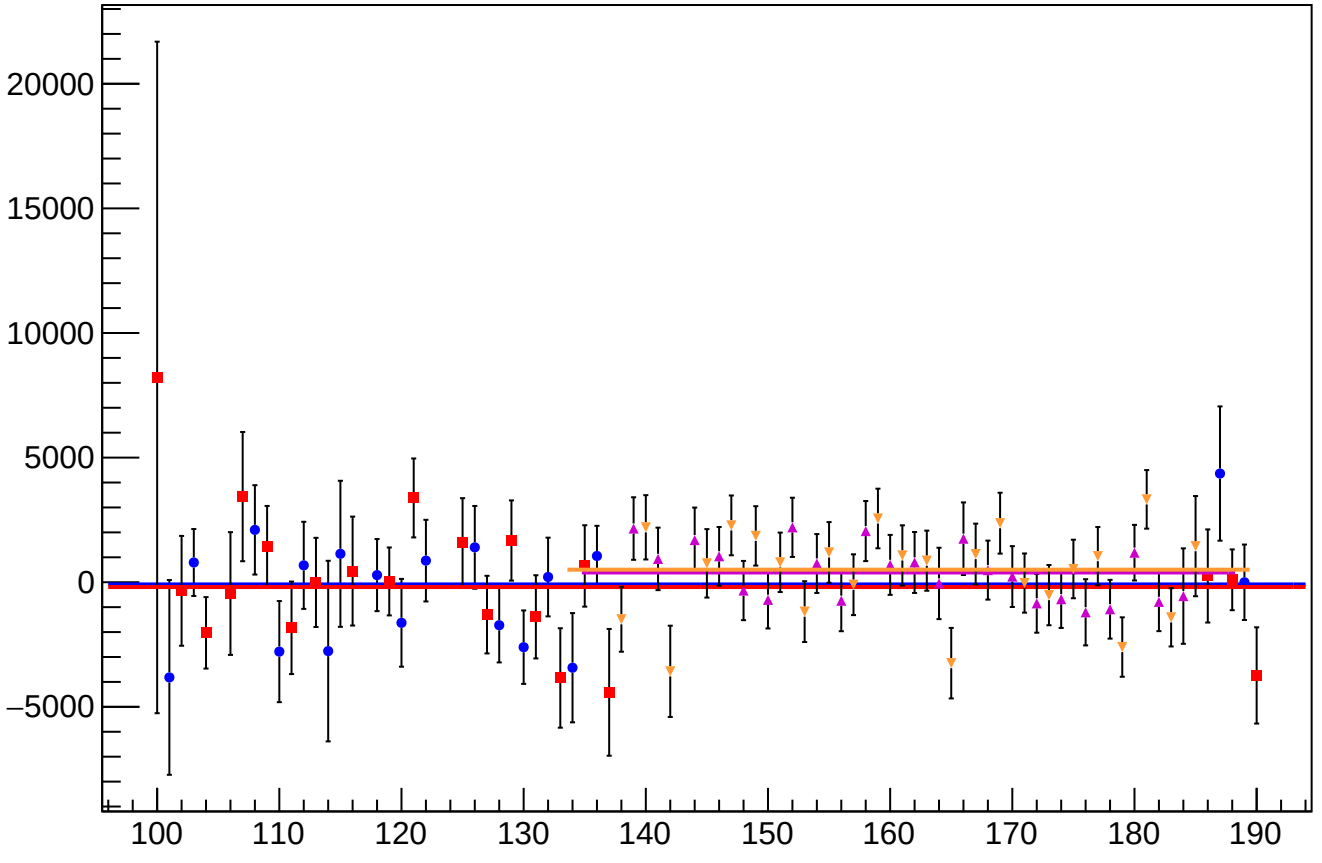
Left In: 0.000+/-0.000 χ^2/NDF:5512617.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7028231.6/41

All: 0.000+/-0.000 χ^2/NDF: 17768827.2/85

- sign 0.000+/-0.000 χ^2/NDF: 10655586.4/43

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: -192.482+/-388.789 χ^2/NDF: 24.2/20

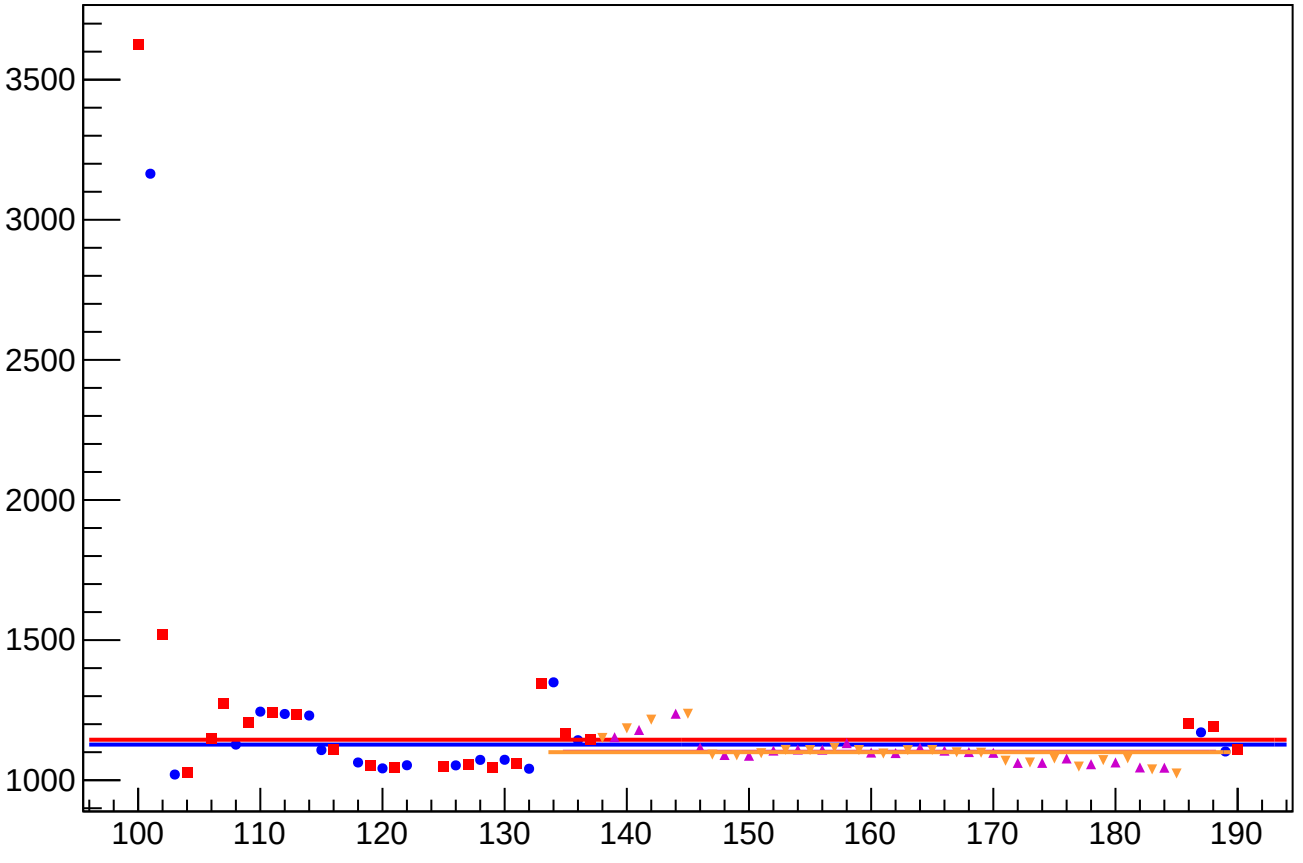
Left In: 391.701+/-257.386 χ^2/NDF:17.8/22

+ sign 336.873+/-216.580 χ^2/NDF: 63.6/41

All: 274.720+/-152.447 χ^2/NDF: 107.4/85

- sign 213.688+/-214.617 χ^2/NDF: 43.6/43

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

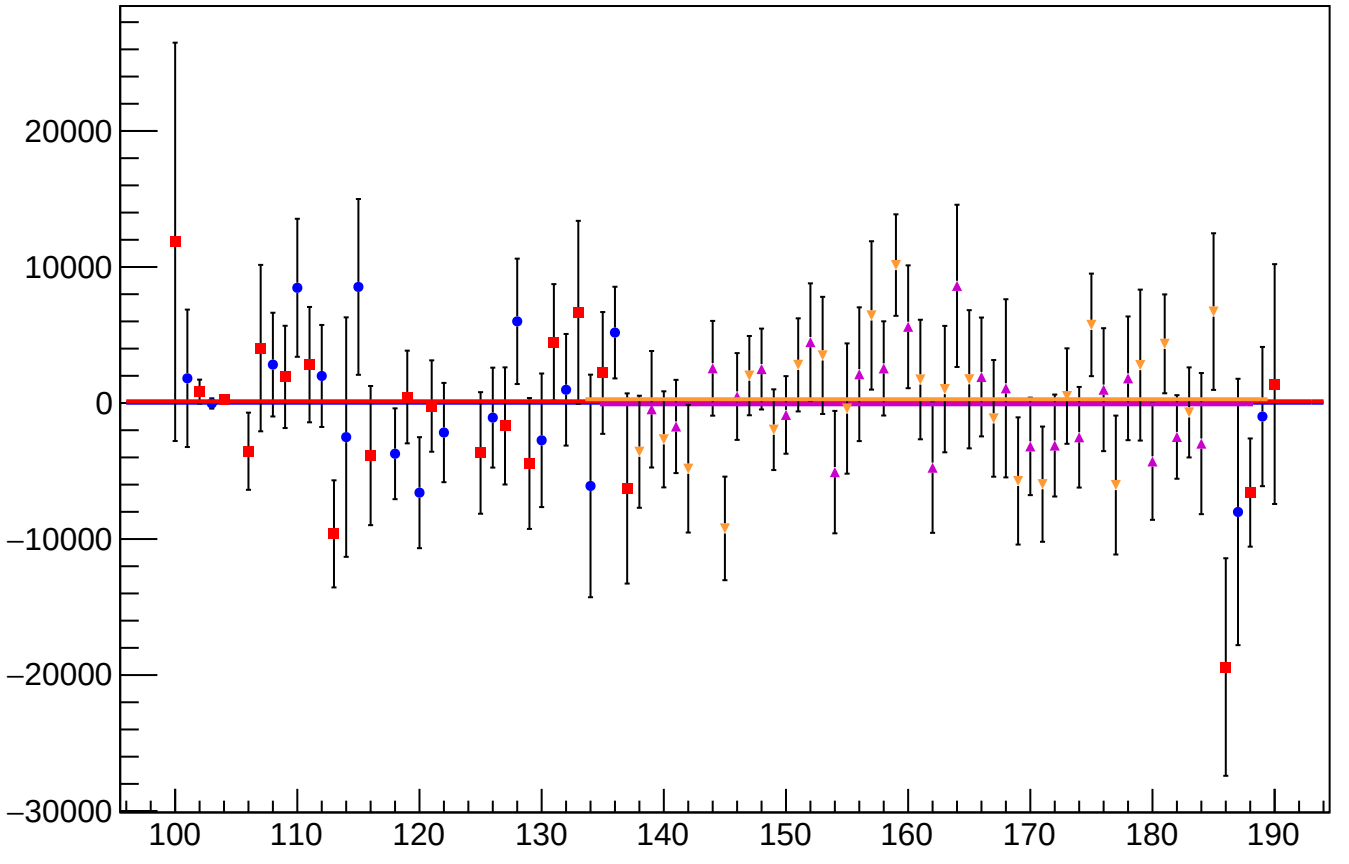
Right Out: 1144.464+/-0.275 χ^2/NDF: 226321.5/20

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1107.687+/-0.153 χ^2/NDF: 687510.9/41

All: 1111.197+/-0.108 χ^2/NDF: 984011.5/85

- sign 1114.640+/-0.152 χ^2/NDF: 295460.3/43



Right In: 22.616+/-356.545 χ^2/NDF: 15.6/17

Left Out: 277.507+/-820.501 χ^2/NDF:29.9/23

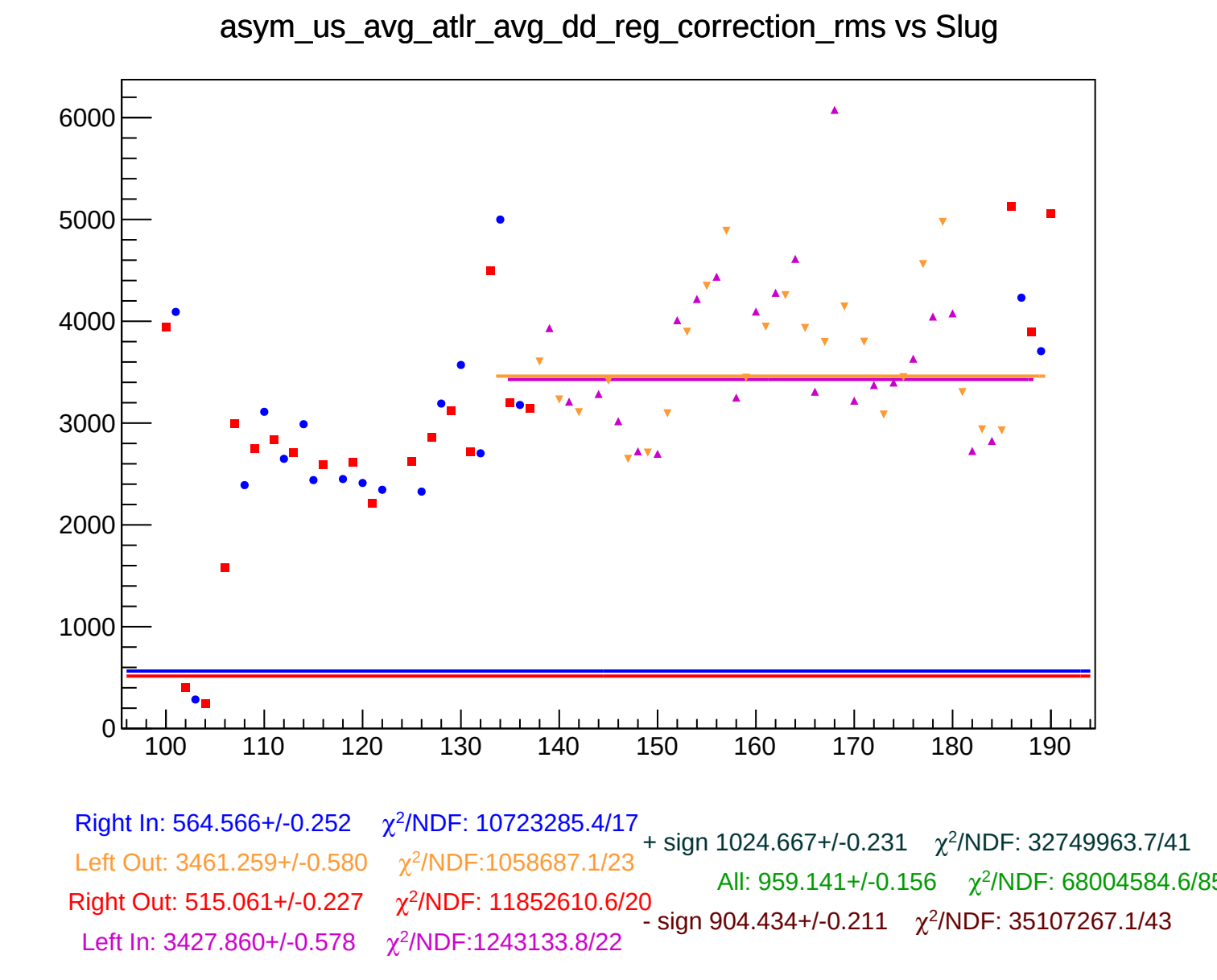
Right Out: 127.421+/-321.017 χ^2/NDF: 24.5/20

Left In: -94.734+/-817.223 χ^2/NDF:13.7/22

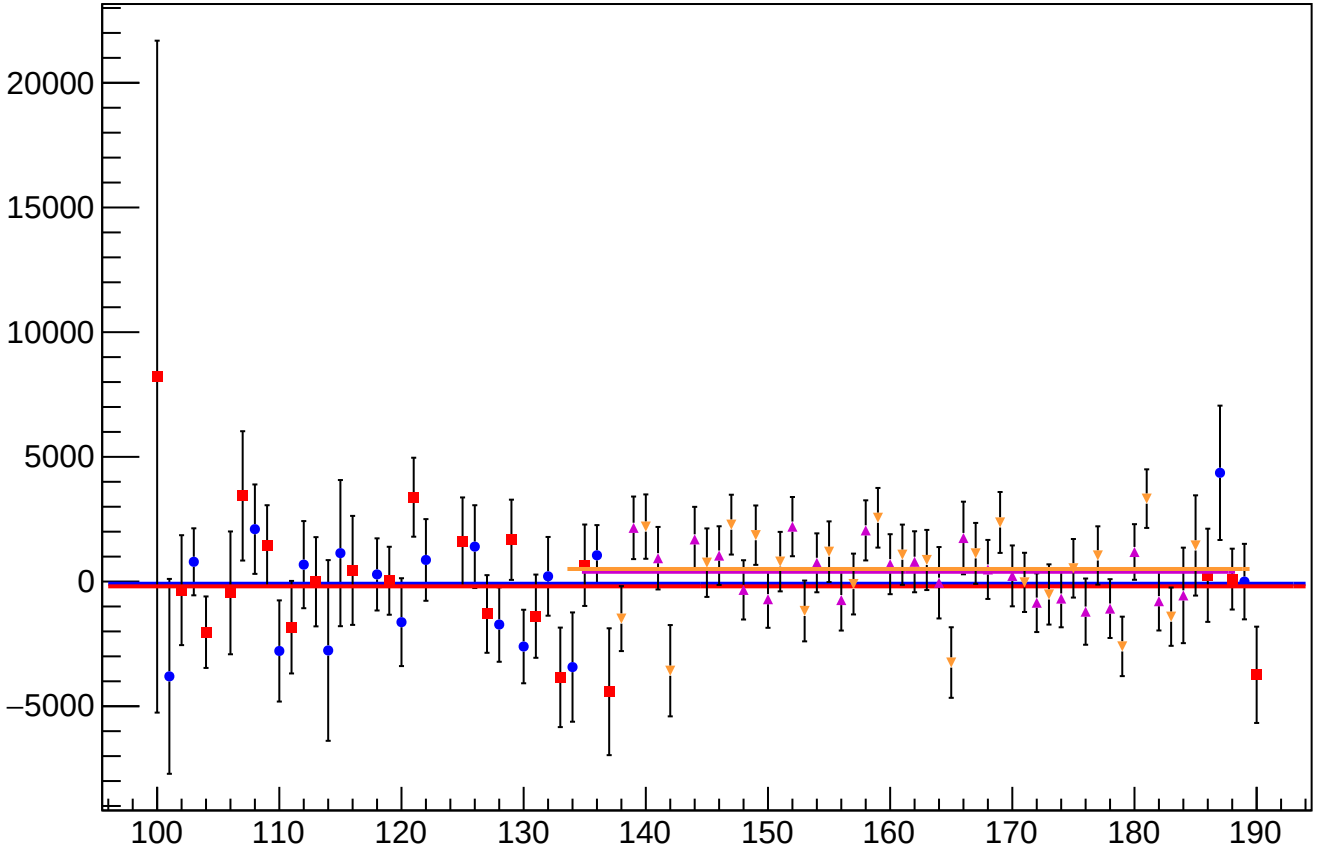
\+ sign 63.102+/-327.005 χ^2/NDF: 45.5/41

All: 81.971+/-220.579 χ^2/NDF: 83.8/85

\- sign 97.724+/-298.791 χ^2/NDF: 38.2/43


asym_us_avg_atlr_avg_dd_reg_correction_rms vs Slug
6000
5000
4000
3000
2000
1000
0
100
110
120
130
140
150
160
170
180
190
Right In: 564.566+/-0.252 χ²/NDF: 10723285.4/17
Left Out: 3461.259+/-0.580 χ²/NDF:1058687.1/23
Right Out: 515.061+/-0.227 χ²/NDF: 11852610.6/20
Left In: 3427.860+/-0.578 χ²/NDF:1243133.8/22
+ sign 1024.667+/-0.231 χ²/NDF: 32749963.7/41
All: 959.141+/-0.156 χ²/NDF: 68004584.6/85
- sign 904.434+/-0.211 χ²/NDF: 35107267.1/43

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: -192.603+/-388.789 χ^2/NDF: 24.2/20

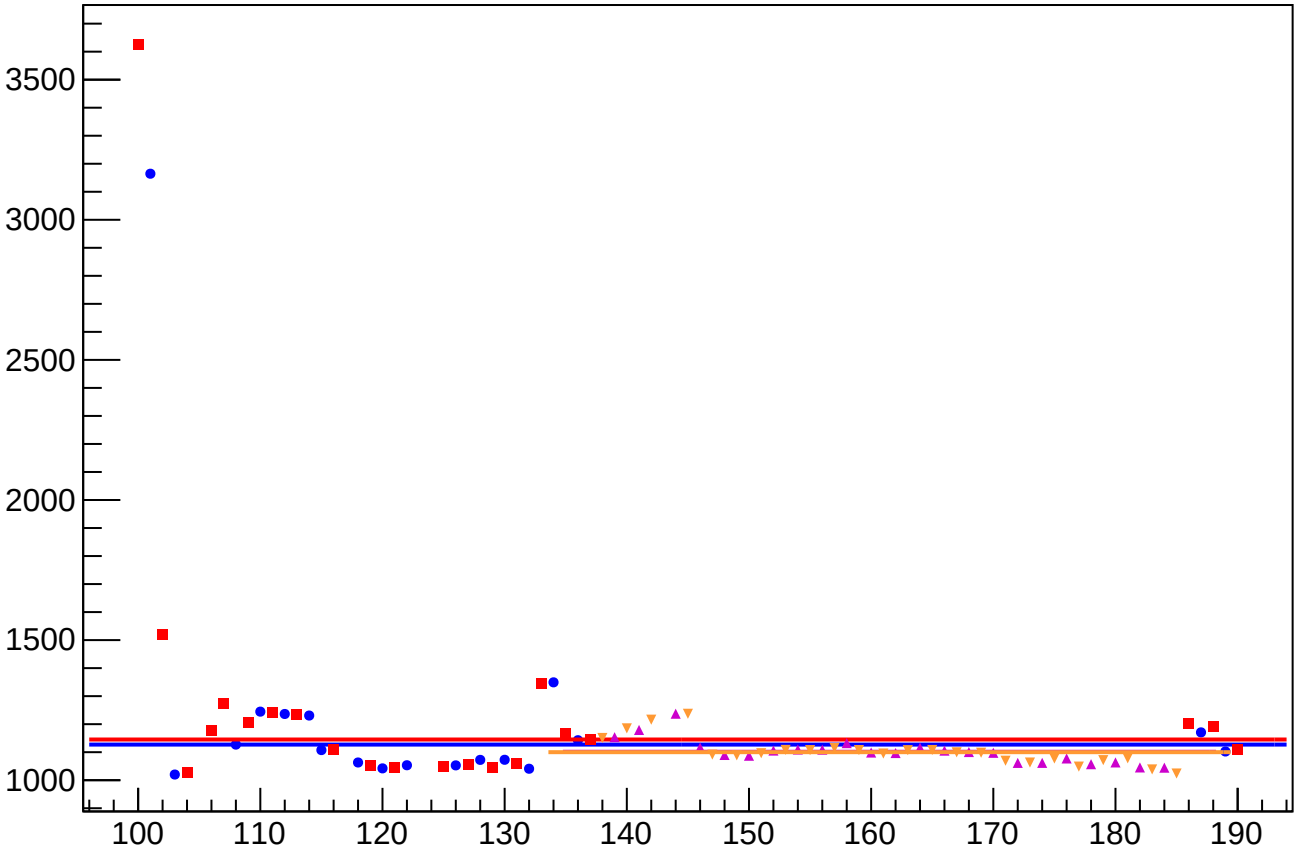
Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

\+ sign 336.976+/-216.580 χ^2/NDF: 63.6/41

All: 274.748+/-152.447 χ^2/NDF: 107.4/85

\- sign 213.643+/-214.617 χ^2/NDF: 43.6/43

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

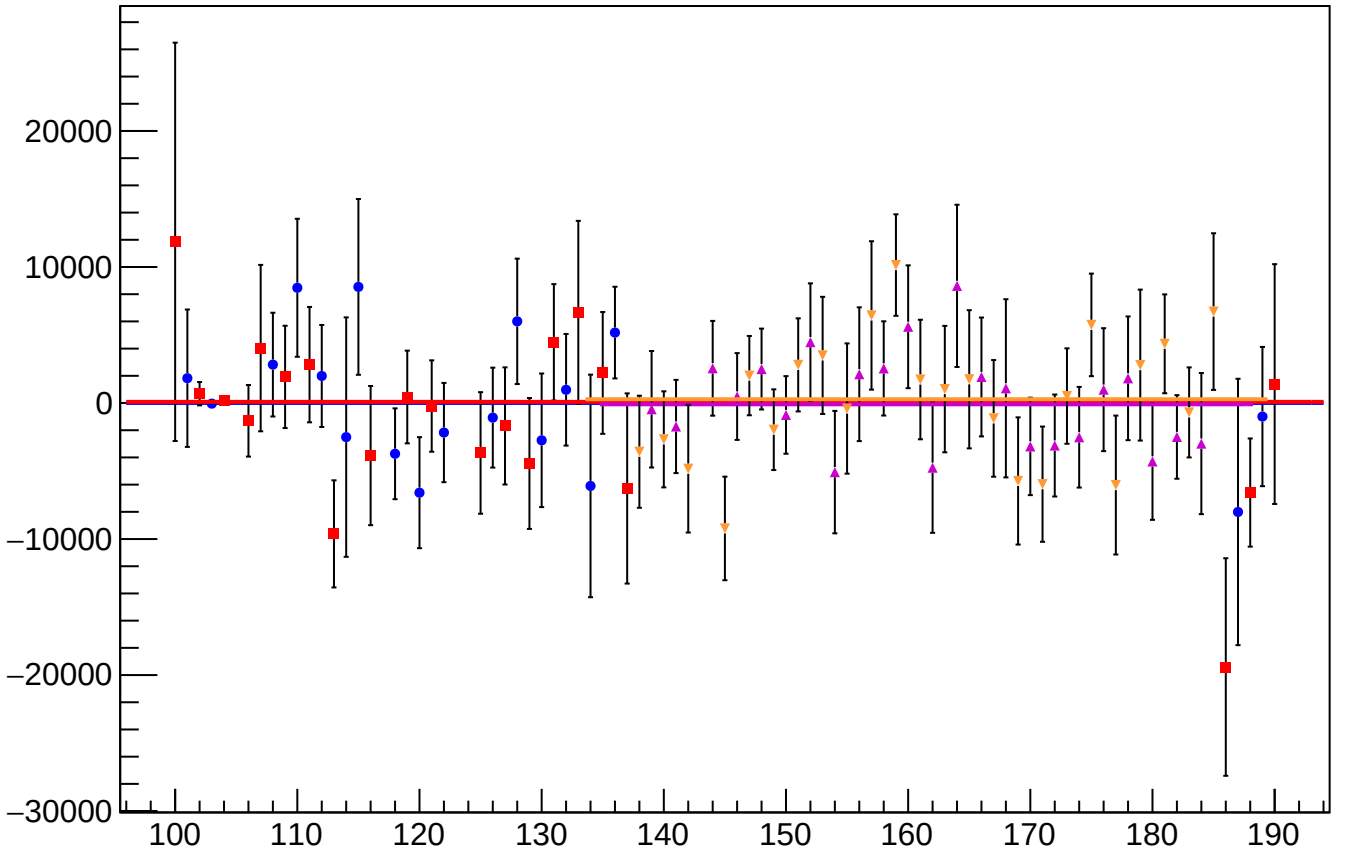
Right Out: 1145.260+/-0.275 χ^2/NDF: 226706.3/20

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

\+ sign 1107.687+/-0.153 χ^2/NDF: 687511.9/41

All: 1111.309+/-0.108 χ^2/NDF: 985075.9/85

\- sign 1114.864+/-0.152 χ^2/NDF: 296455.9/43



Right In: 7.179+/-343.536 χ^2/NDF: 15.6/17

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

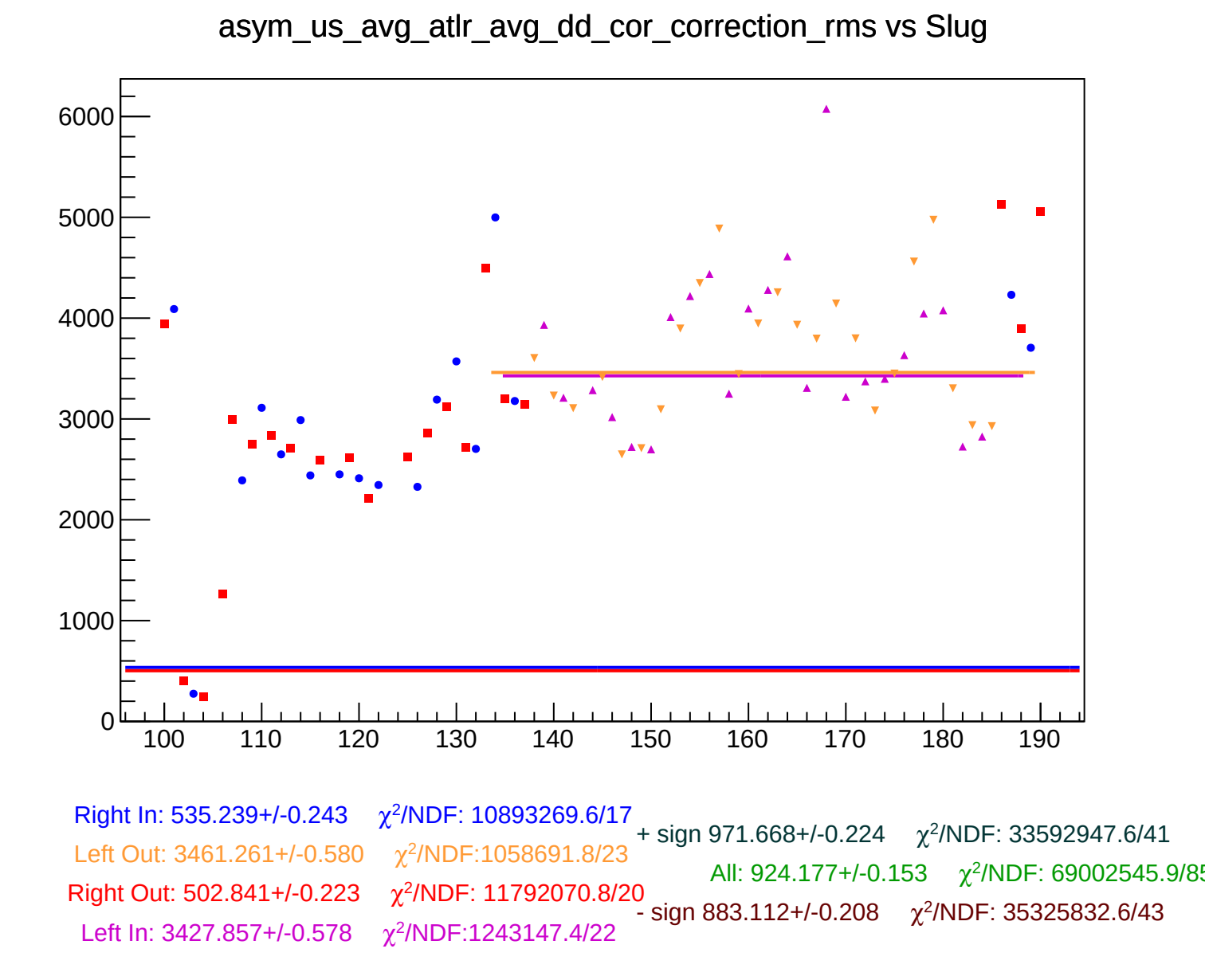
Right Out: 84.768+/-315.911 χ^2/NDF: 22.8/20

Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

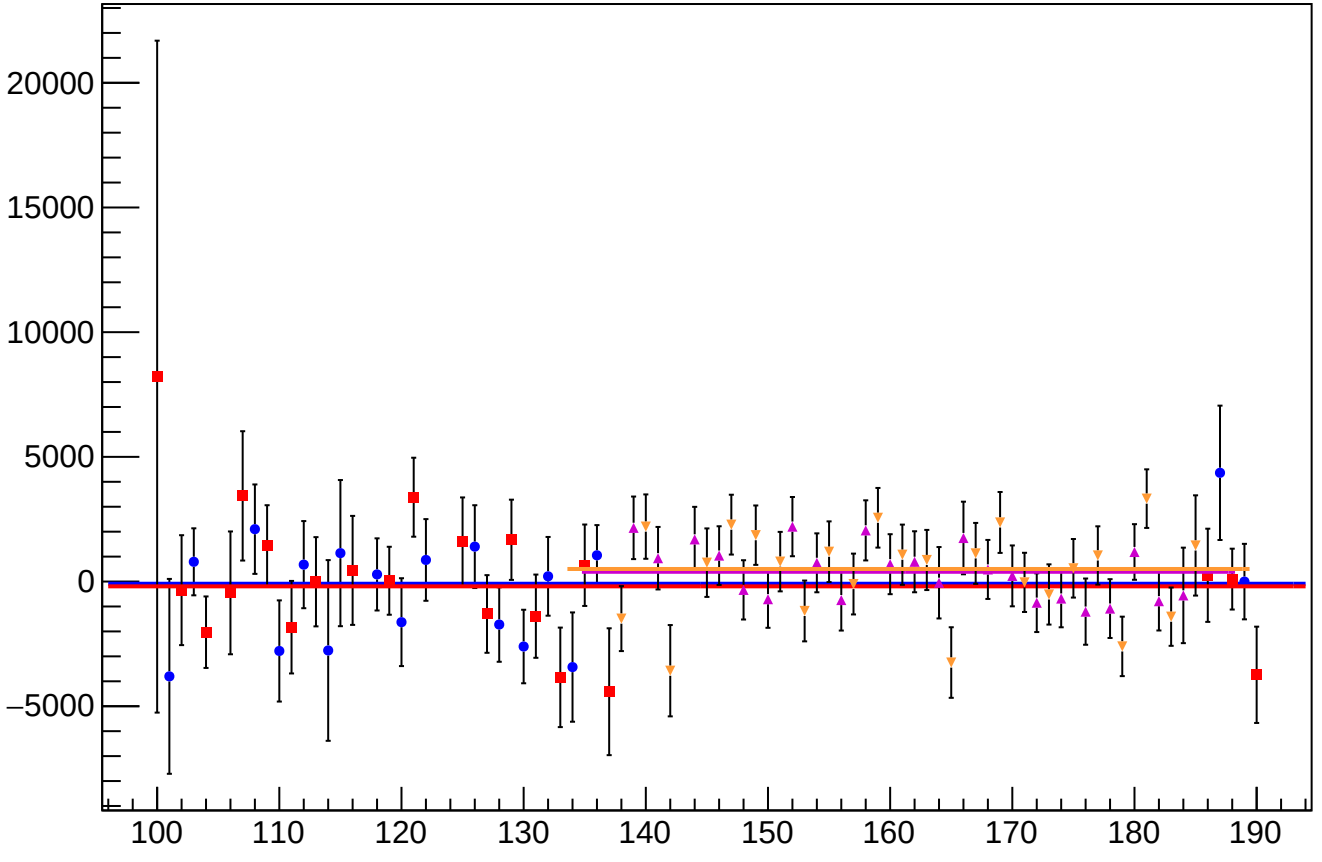
\+ sign 47.504+/-316.882 χ^2/NDF: 45.5/41

All: 54.973+/-215.785 χ^2/NDF: 82.1/85

\- sign 61.431+/-294.661 χ^2/NDF: 36.5/43


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: 502.841+/-0.223 χ²/NDF: 11792070.8/20
Left In: 3427.857+/-0.578 χ²/NDF:1243147.4/22
+ sign 971.668+/-0.224 χ²/NDF: 33592947.6/41
All: 924.177+/-0.153 χ²/NDF: 69002545.9/85
- sign 883.112+/-0.208 χ²/NDF: 35325832.6/43

eigen_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: -192.603+/-388.789 χ^2/NDF: 24.2/20

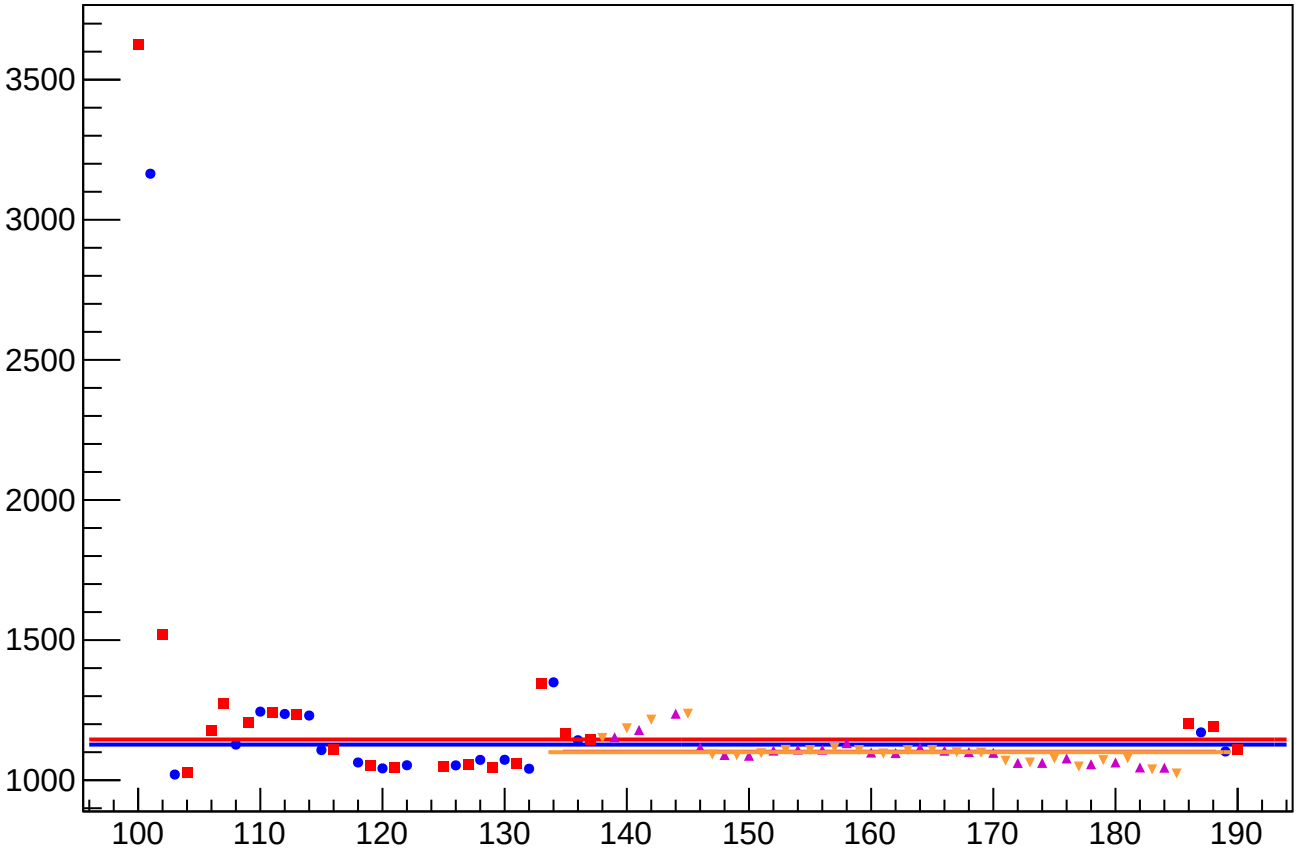
Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 336.976+/-216.580 χ^2/NDF: 63.6/41

All: 274.748+/-152.447 χ^2/NDF: 107.4/85

- sign 213.643+/-214.617 χ^2/NDF: 43.6/43

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

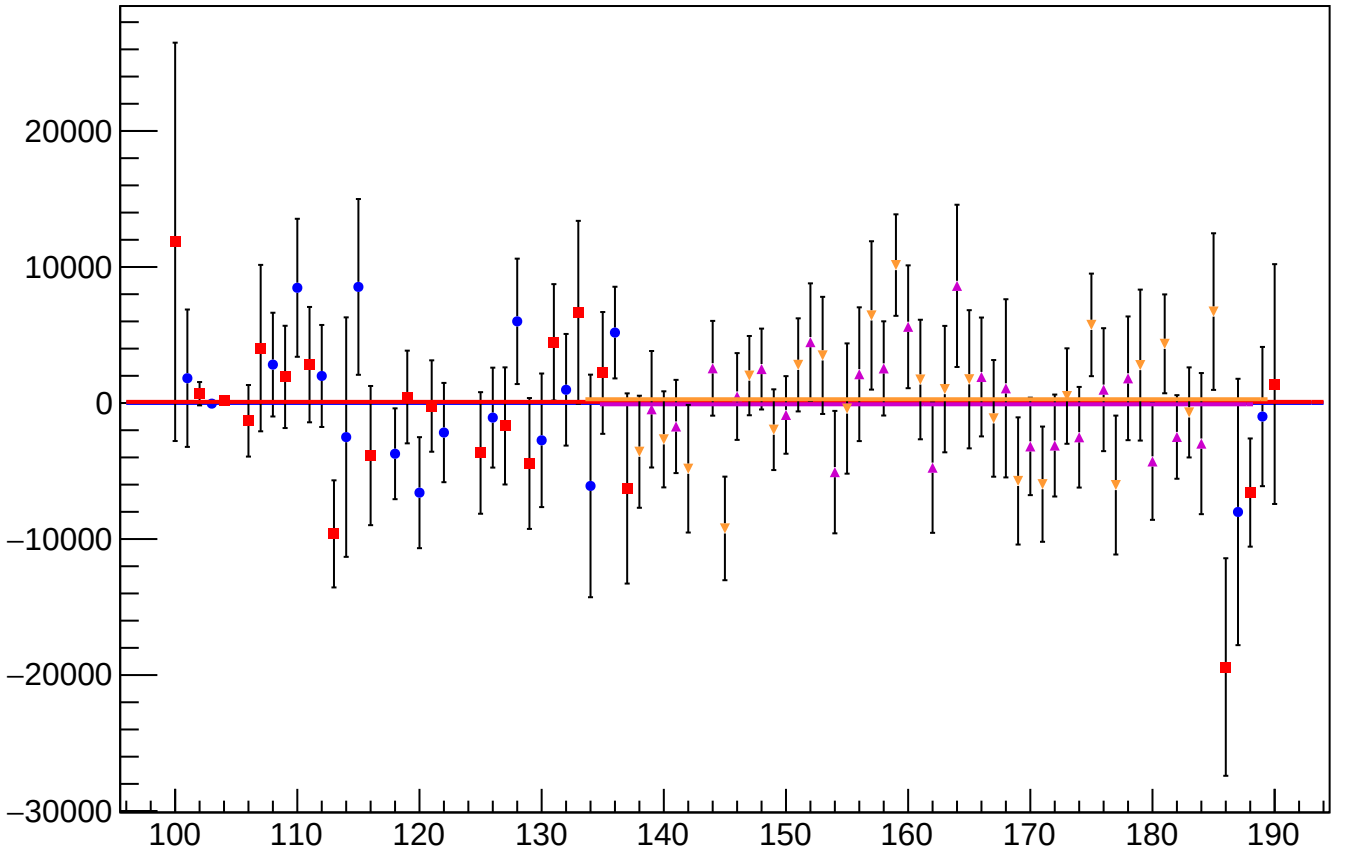
Right Out: 1145.260+/-0.275 χ^2/NDF: 226706.3/20

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

\+ sign 1107.687+/-0.153 χ^2/NDF: 687511.9/41

All: 1111.309+/-0.108 χ^2/NDF: 985075.9/85

\- sign 1114.864+/-0.152 χ^2/NDF: 296455.9/43



Right In: 7.179+/-343.536 χ^2/NDF: 15.6/17

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

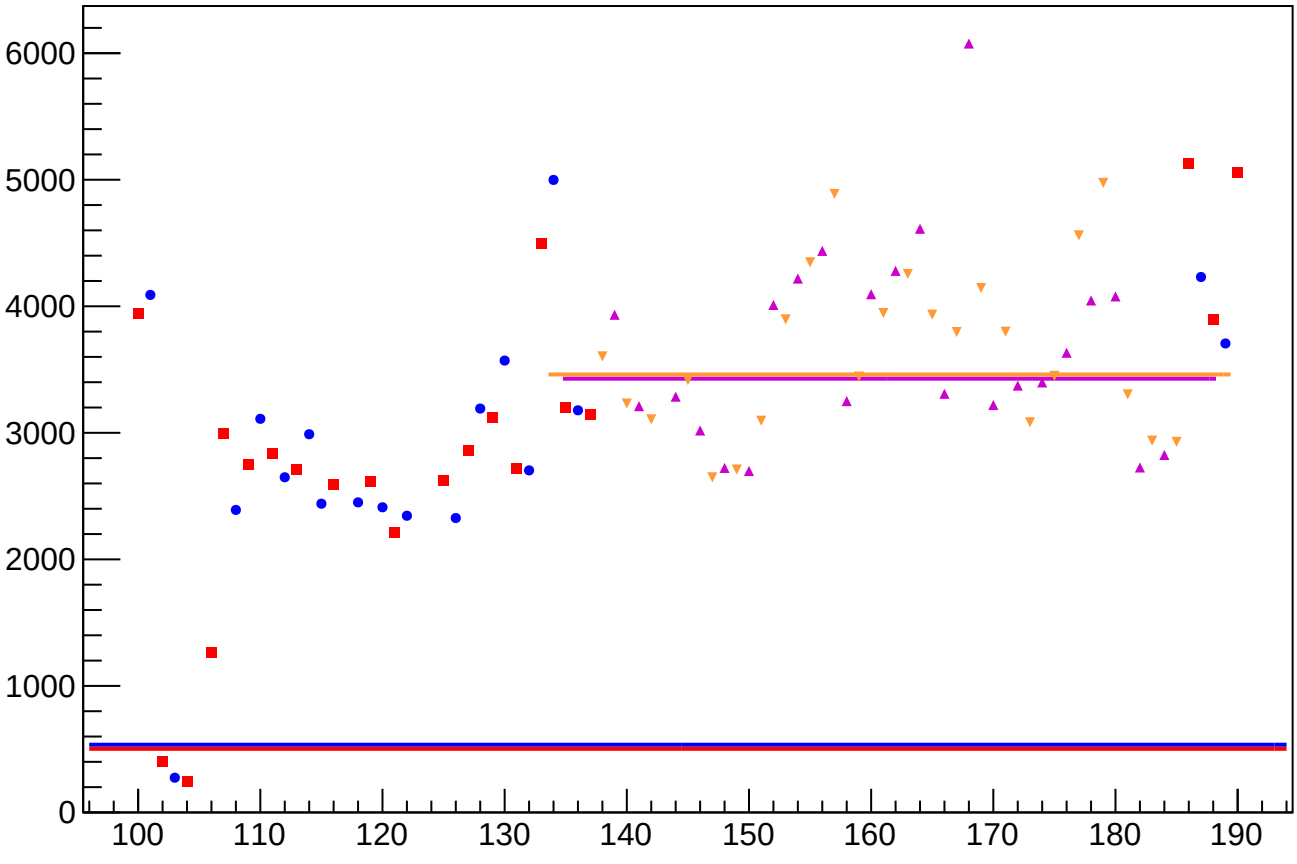
Right Out: 84.768+/-315.911 χ^2/NDF: 22.8/20

Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

\+ sign 47.504+/-316.882 χ^2/NDF: 45.5/41

All: 54.973+/-215.785 χ^2/NDF: 82.1/85

\- sign 61.431+/-294.661 χ^2/NDF: 36.5/43



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: 502.841+/-0.223 χ^2/NDF: 11792070.8/20

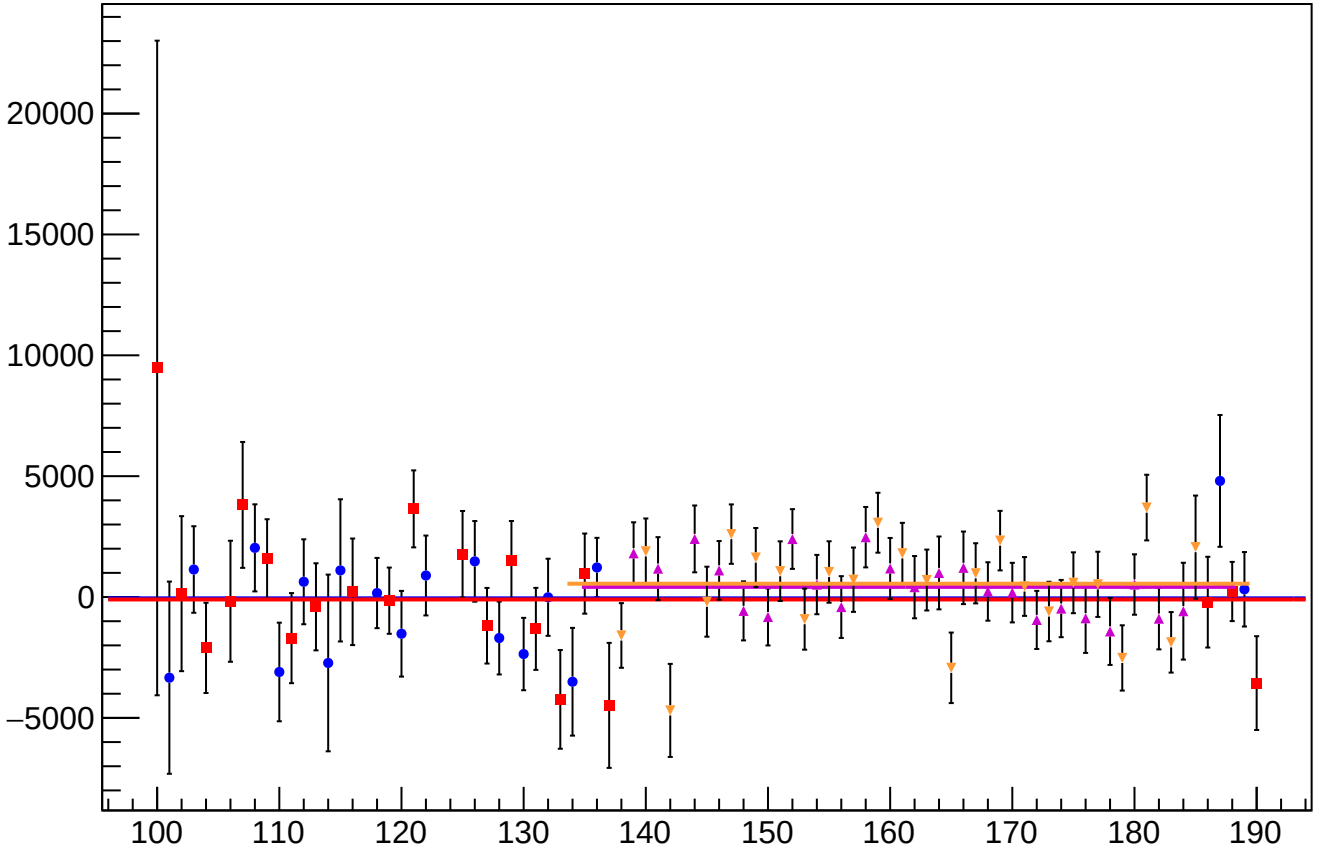
Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

+ sign 971.668+/-0.224 χ^2/NDF: 33592947.6/41

All: 924.177+/-0.153 χ^2/NDF: 69002545.9/85

- sign 883.112+/-0.208 χ^2/NDF: 35325832.6/43

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: -100.617+/-401.103 χ^2/NDF: 25.0/20

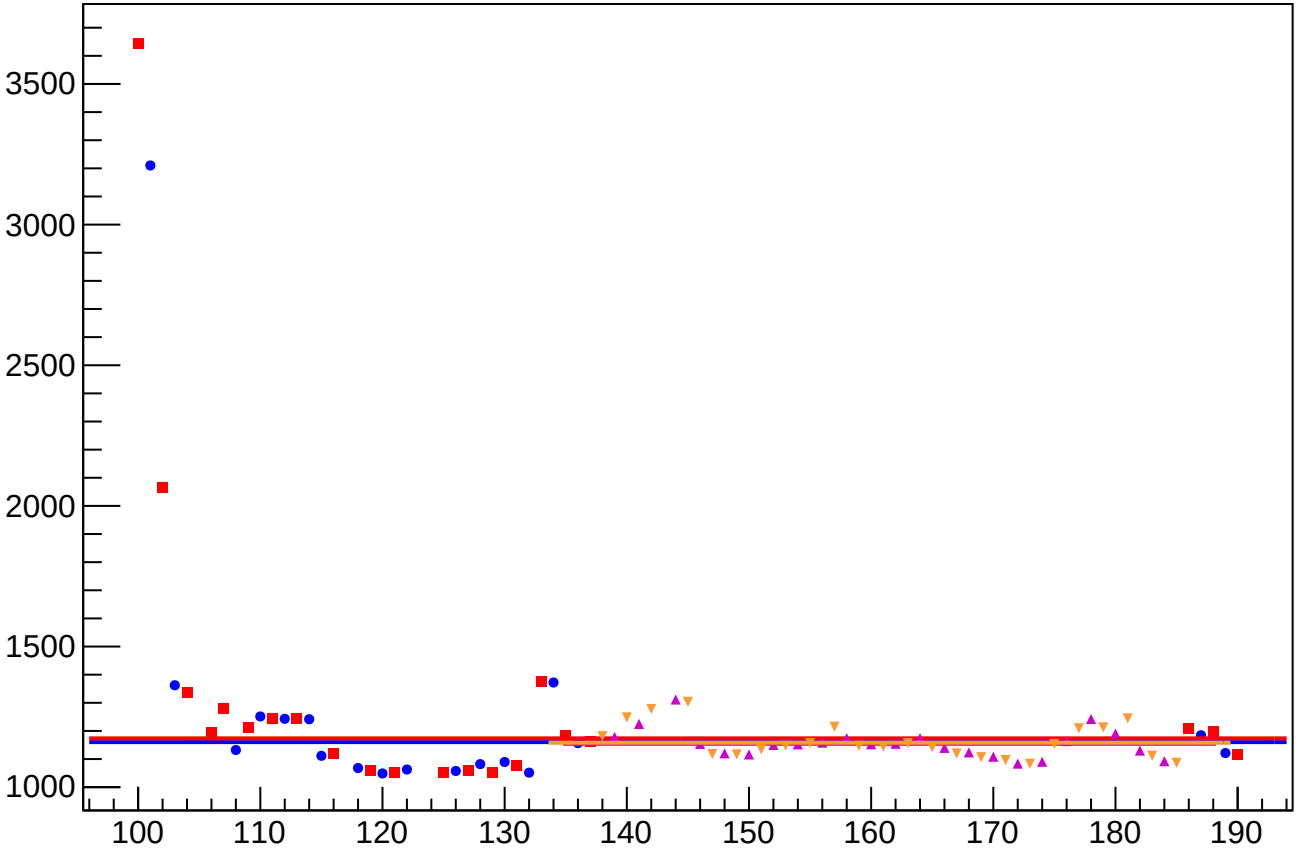
Left In: 421.023+/-269.815 χ^2/NDF:18.0/22

\+ sign 374.793+/-226.704 χ^2/NDF: 64.4/41

All: 315.924+/-159.295 χ^2/NDF: 108.7/85

\- sign 258.515+/-223.876 χ^2/NDF: 44.2/43

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

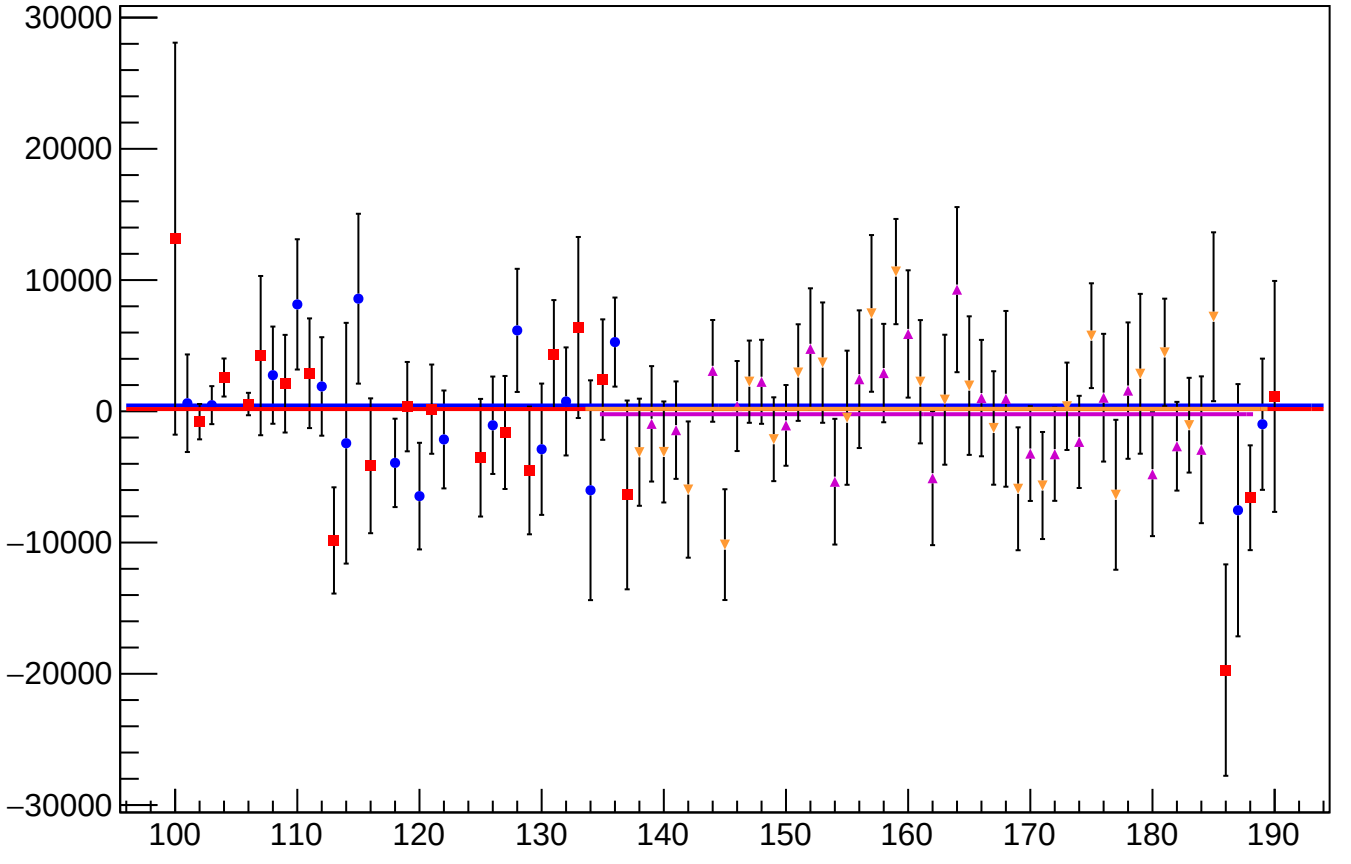
Right Out: 1173.564+/-0.284 χ^2/NDF: 334853.3/20

Left In: 1154.231+/-0.191 χ^2/NDF:66476.9/22

+ sign 1158.788+/-0.160 χ^2/NDF: 721007.8/41

All: 1159.532+/-0.113 χ^2/NDF: 1125581.3/85

- sign 1160.257+/-0.158 χ^2/NDF: 404531.0/43



Right In: 442.844+/-857.628 χ^2/NDF: 15.2/17

Left Out: 189.735+/-869.432 χ^2/NDF:29.3/23

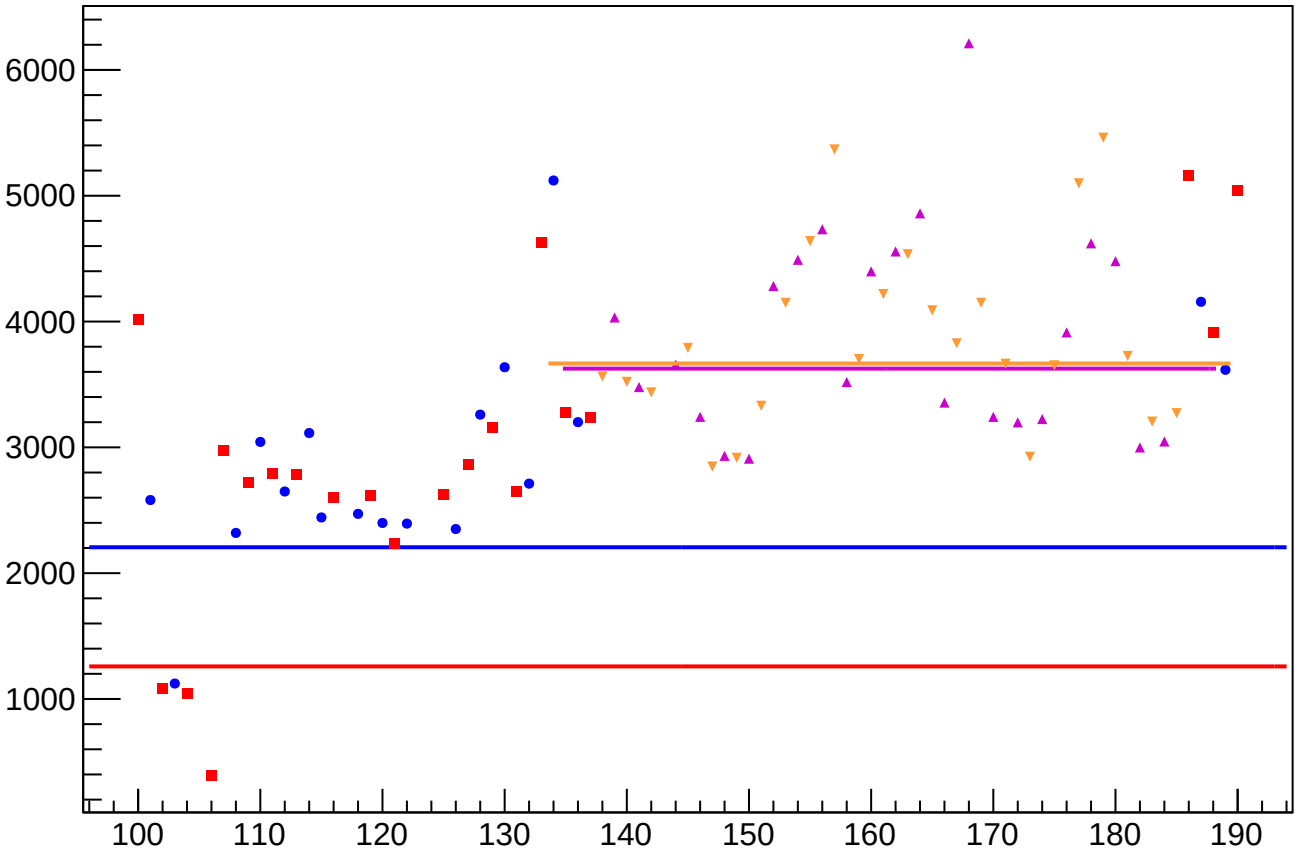
Right Out: 170.555+/-557.797 χ^2/NDF: 25.8/20

Left In: -221.361+/-864.775 χ^2/NDF:13.4/22

+ sign 318.019+/-610.565 χ^2/NDF: 44.5/41

All: 152.791+/-371.809 χ^2/NDF: 84.0/85

- sign 55.406+/-468.745 χ^2/NDF: 39.3/43



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: 1258.765+/-0.394 χ^2/NDF: 7588141.7/20

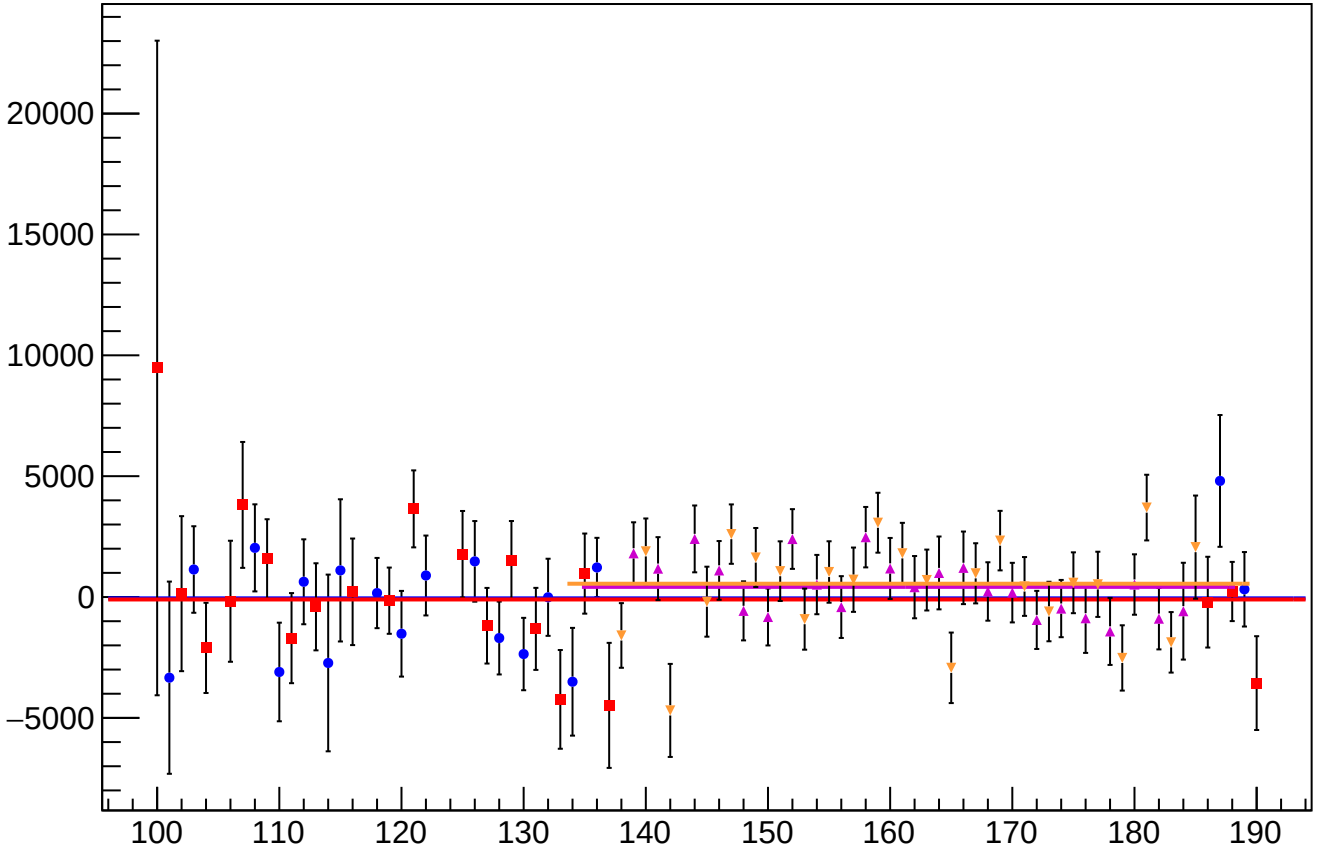
Left In: 3625.940+/-0.611 χ^2/NDF:1257928.4/22

+ sign 2926.226+/-0.432 χ^2/NDF: 6182401.9/41

All: 2314.699+/-0.263 χ^2/NDF: 28800207.8/8

- sign 1954.266+/-0.331 χ^2/NDF: 19428986.9/43

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: -100.614+/-401.103 χ^2/NDF: 25.0/20

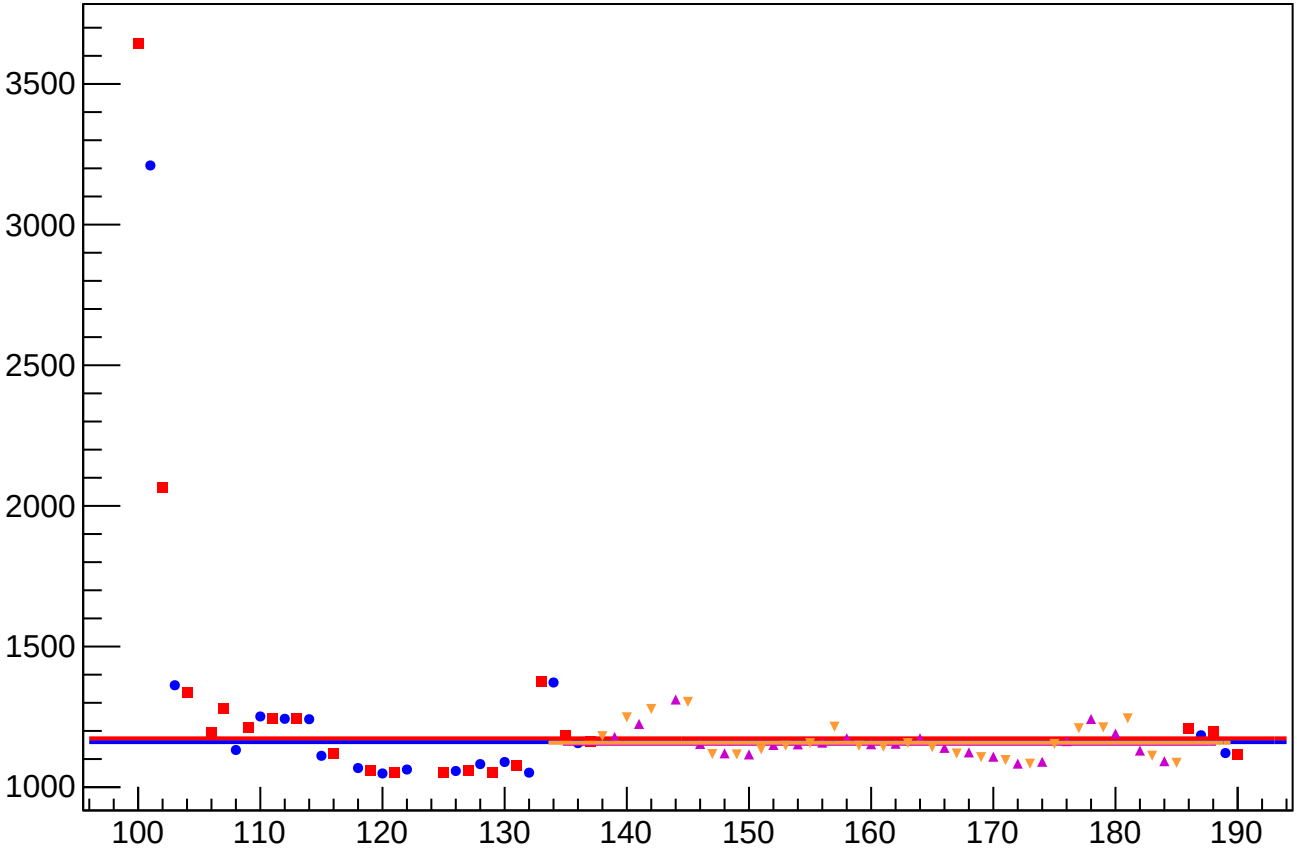
Left In: 421.022+/-269.815 χ^2/NDF:18.0/22

+ sign 374.794+/-226.704 χ^2/NDF: 64.4/41

All: 315.925+/-159.295 χ^2/NDF: 108.7/85

- sign 258.515+/-223.876 χ^2/NDF: 44.2/43

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

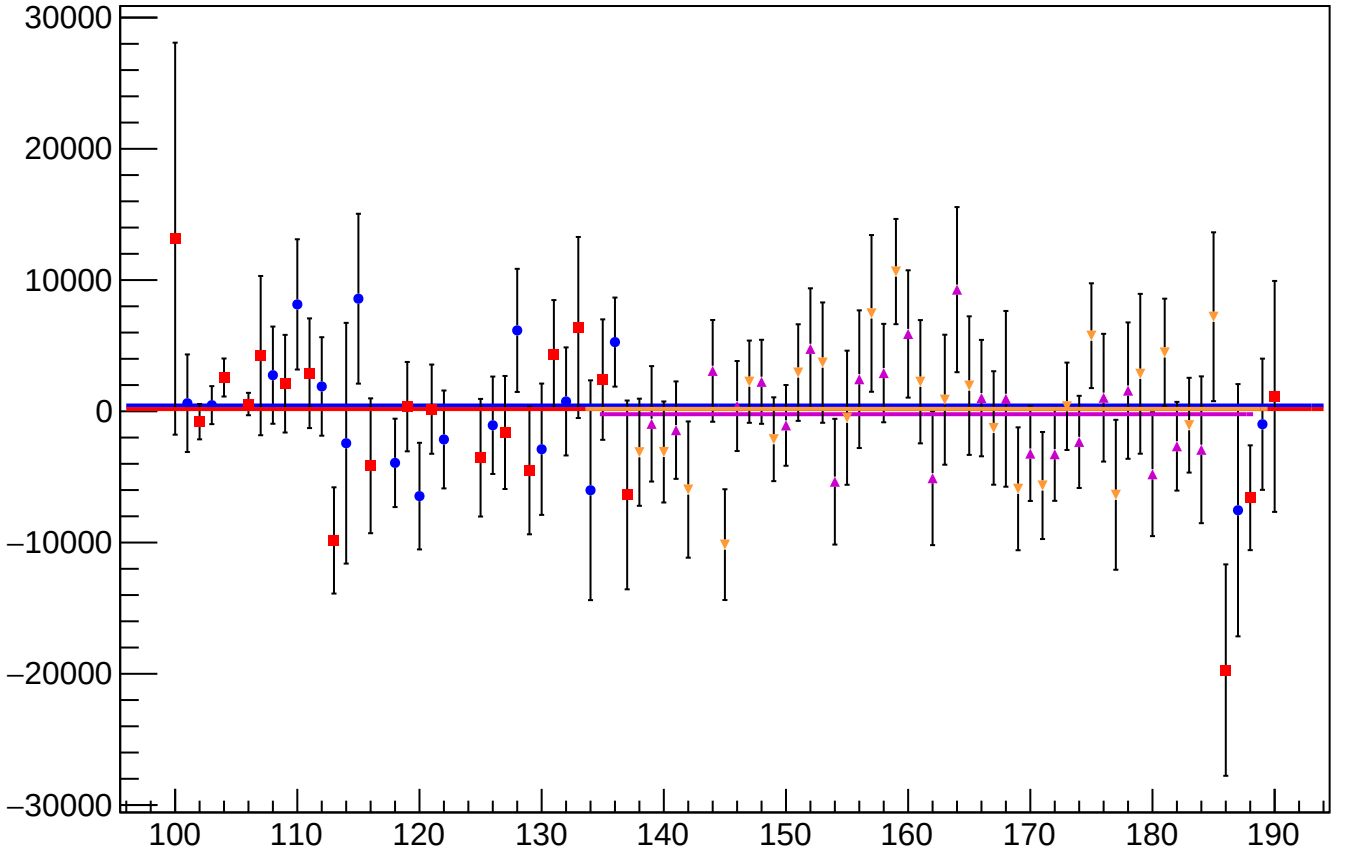
Right Out: 1173.564+/-0.284 χ^2/NDF: 334852.9/20

Left In: 1154.232+/-0.191 χ^2/NDF:66479.5/22

+ sign 1158.788+/-0.160 χ^2/NDF: 721010.4/41

All: 1159.532+/-0.113 χ^2/NDF: 1125585.7/85

- sign 1160.257+/-0.158 χ^2/NDF: 404532.7/43



Right In: 442.838+/-857.627 χ^2/NDF: 15.2/17

Left Out: 189.735+/-869.434 χ^2/NDF:29.3/23

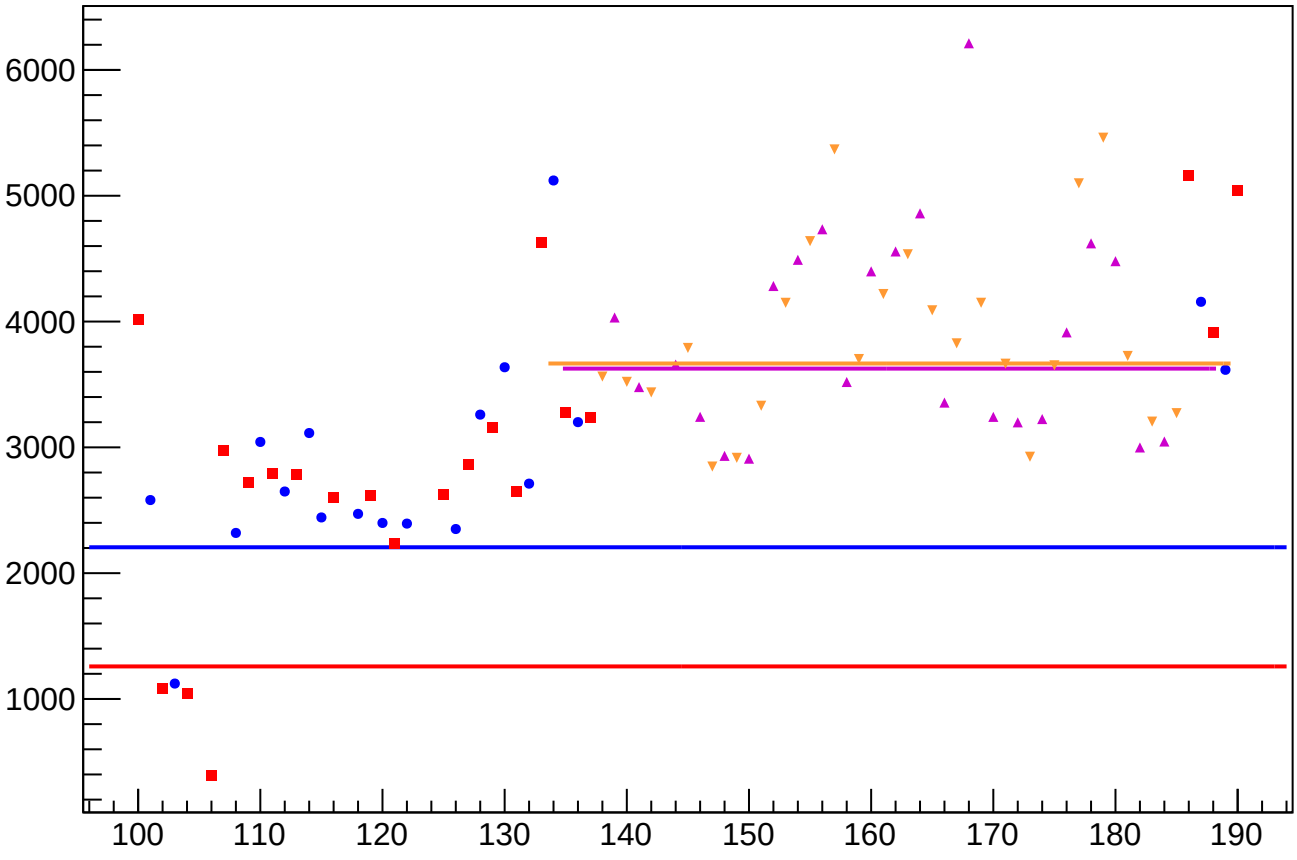
Right Out: 170.562+/-557.790 χ^2/NDF: 25.8/20

Left In: -221.363+/-864.776 χ^2/NDF:13.4/22

+ sign 318.017+/-610.565 χ^2/NDF: 44.5/41

All: 152.793+/-371.808 χ^2/NDF: 84.0/85

- sign 55.412+/-468.742 χ^2/NDF: 39.3/43



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: 1258.741+/-0.394 χ^2/NDF: 7588295.2/20

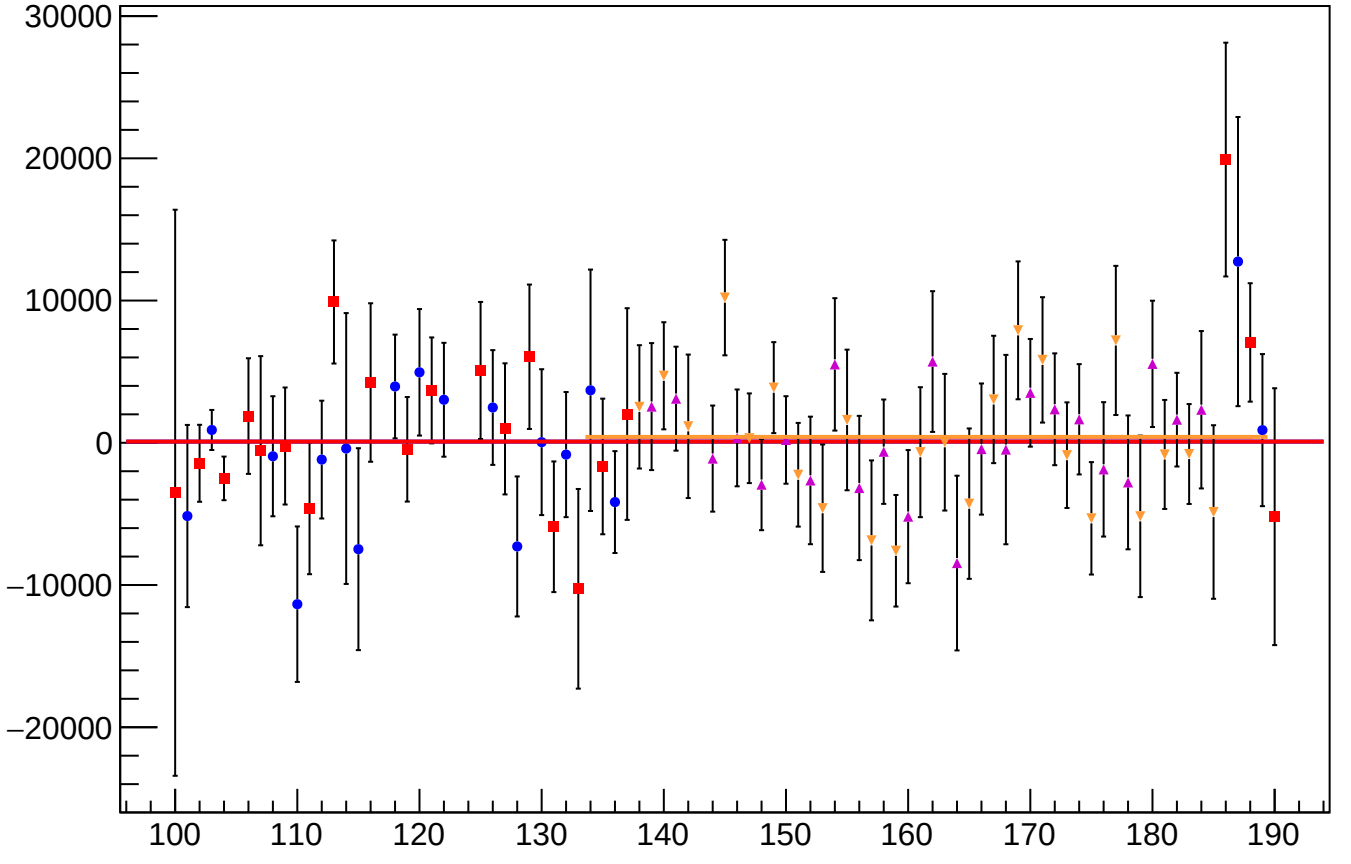
Left In: 3625.945+/-0.611 χ^2/NDF:1257933.0/22

+ sign 2926.225+/-0.432 χ^2/NDF: 6182435.5/41

All: 2314.677+/-0.263 χ^2/NDF: 28800913.6/8

- sign 1954.237+/-0.331 χ^2/NDF: 19429459.2/43

asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: 82.921+/-903.786 χ^2/NDF: 15.3/17

Left Out: 413.494+/-865.331 χ^2/NDF:27.2/23

Right Out: 83.945+/-867.652 χ^2/NDF: 26.6/20

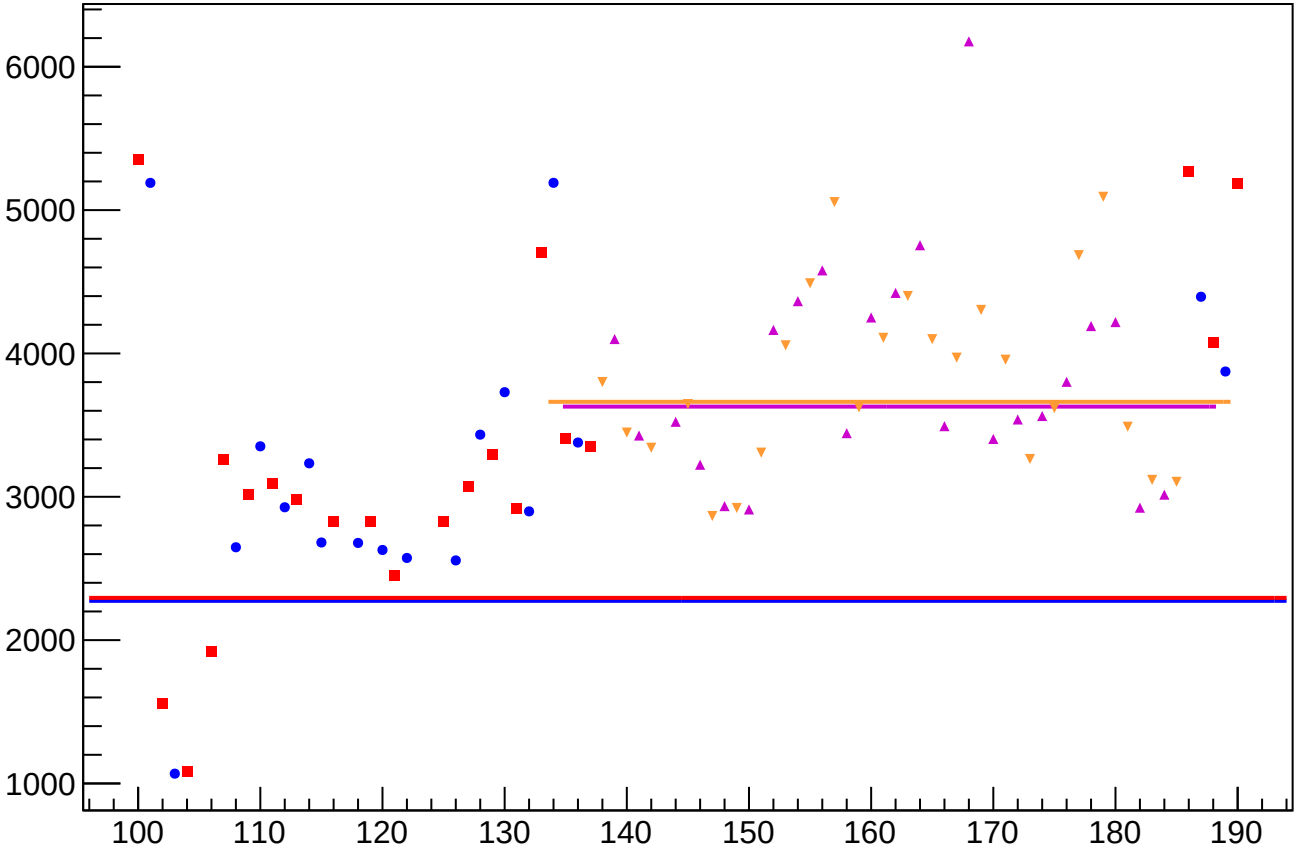
Left In: 403.543+/-862.437 χ^2/NDF:12.3/22

+ sign 255.390+/-625.034 χ^2/NDF: 42.6/41

All: 249.933+/-437.165 χ^2/NDF: 81.6/85

- sign 244.707+/-611.671 χ^2/NDF: 39.0/43

asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 2274.199+/-0.639 χ^2/NDF: 3112976.4/17

Left Out: 3662.662+/-0.612 χ^2/NDF:893468.3/23

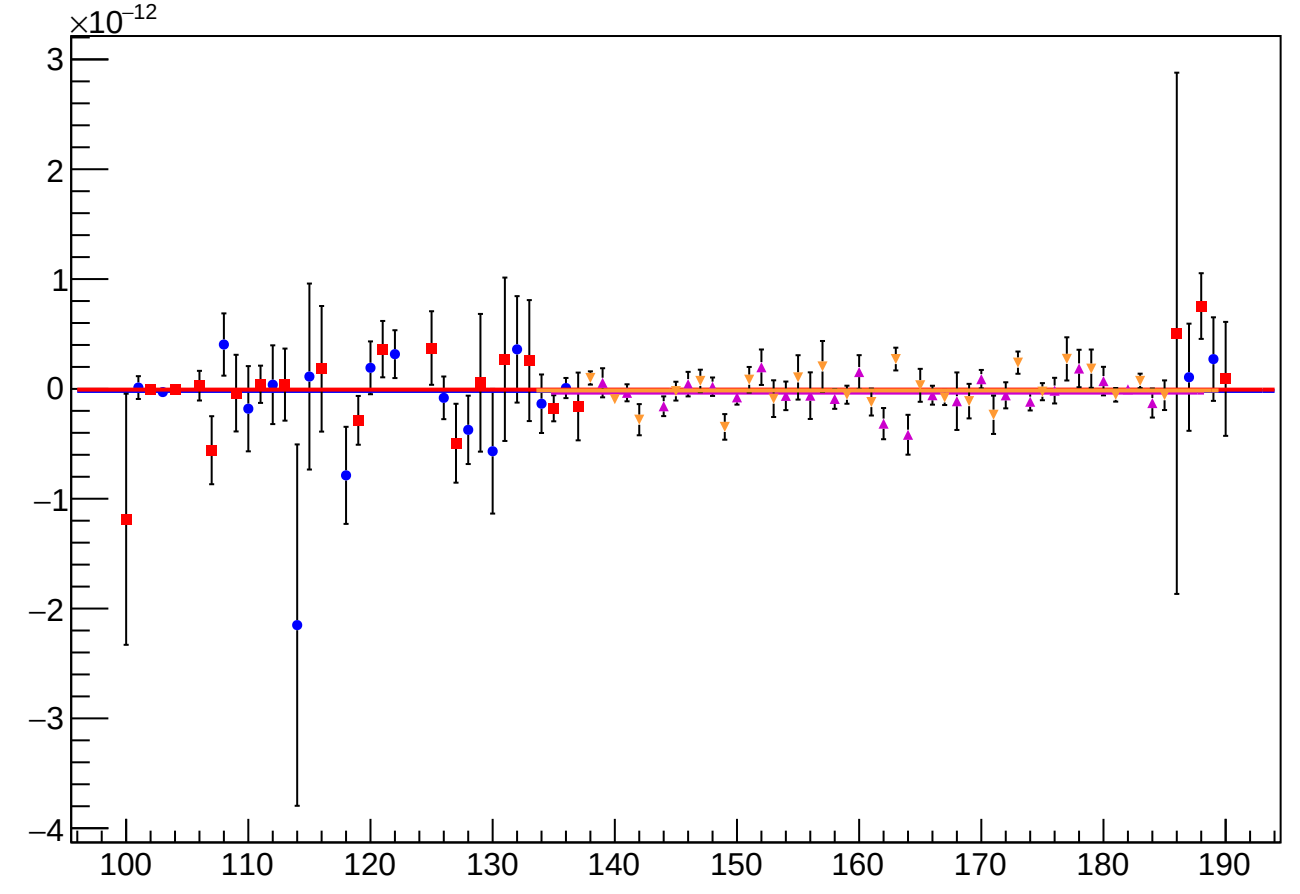
Right Out: 2294.822+/-0.612 χ^2/NDF: 3156036.4/20

Left In: 3629.184+/-0.610 χ^2/NDF:1054949.6/22

+ sign 2998.594+/-0.442 χ^2/NDF: 6469145.0/41

All: 2981.174+/-0.309 χ^2/NDF: 13067930.4/8

- sign 2964.528+/-0.432 χ^2/NDF: 6595747.4/43



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/17

Left Out: -0.000+/-0.000 χ^2/NDF:45.3/23

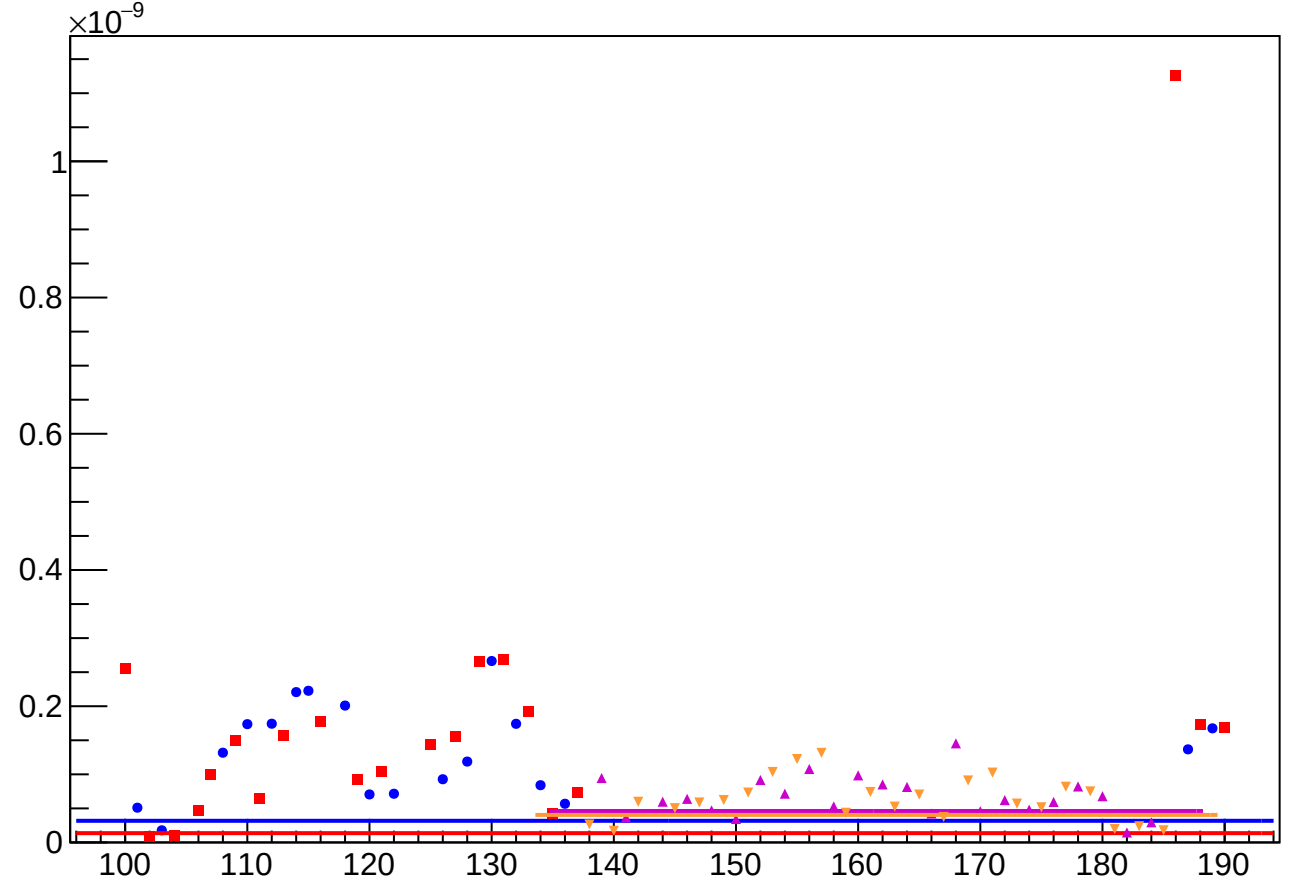
Right Out: -0.000+/-0.000 χ^2/NDF: 20.6/20

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: 104.3/85

- sign -0.000+/-0.000 χ^2/NDF: 44.6/43



Right In: 0.000+/-0.000 χ^2/NDF: 3348146.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:3432253.9/23

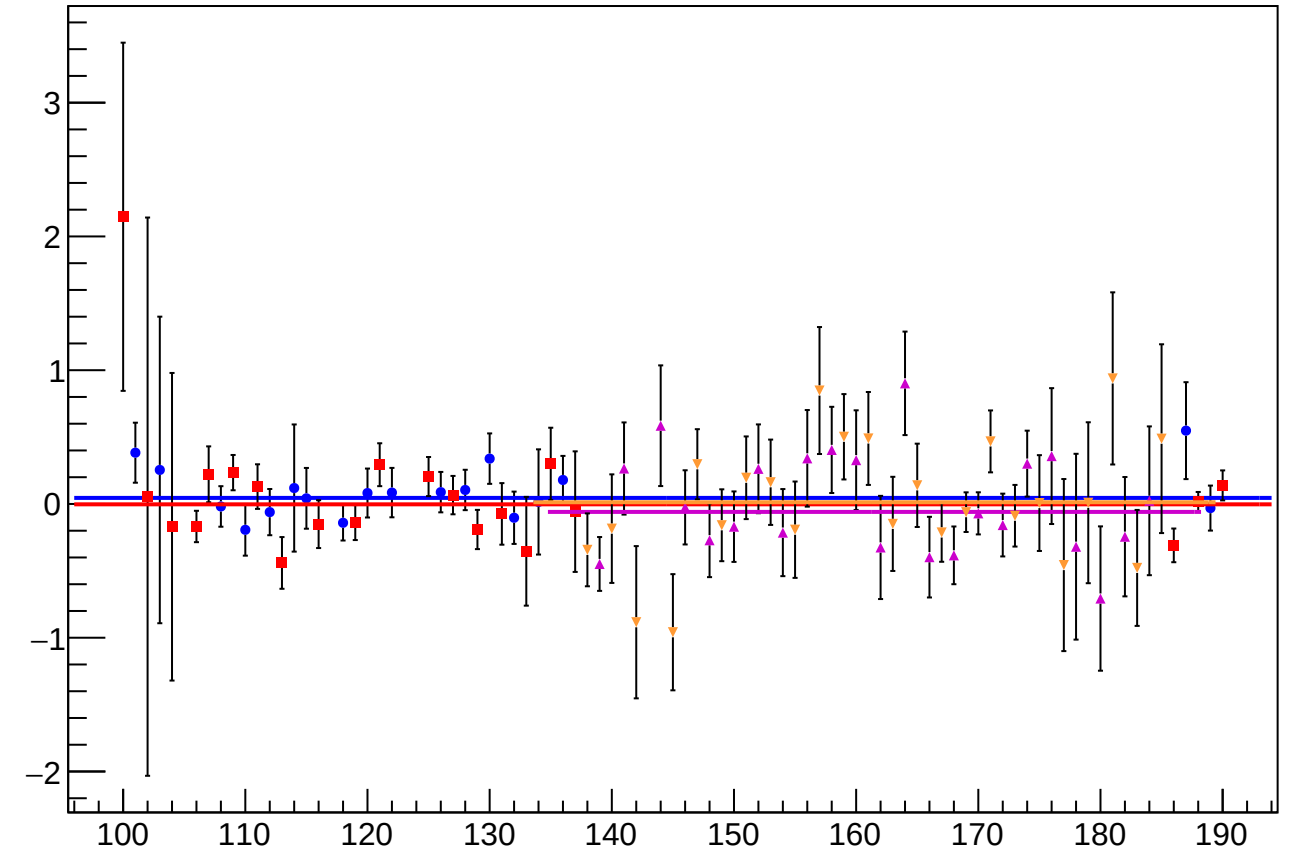
Right Out: 0.000+/-0.000 χ^2/NDF: 4845132.3/20

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: 18921836.0/85

- sign 0.000+/-0.000 χ^2/NDF: 11168735.6/43



Right In: 0.045+/-0.045 χ^2/NDF: 12.4/17

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

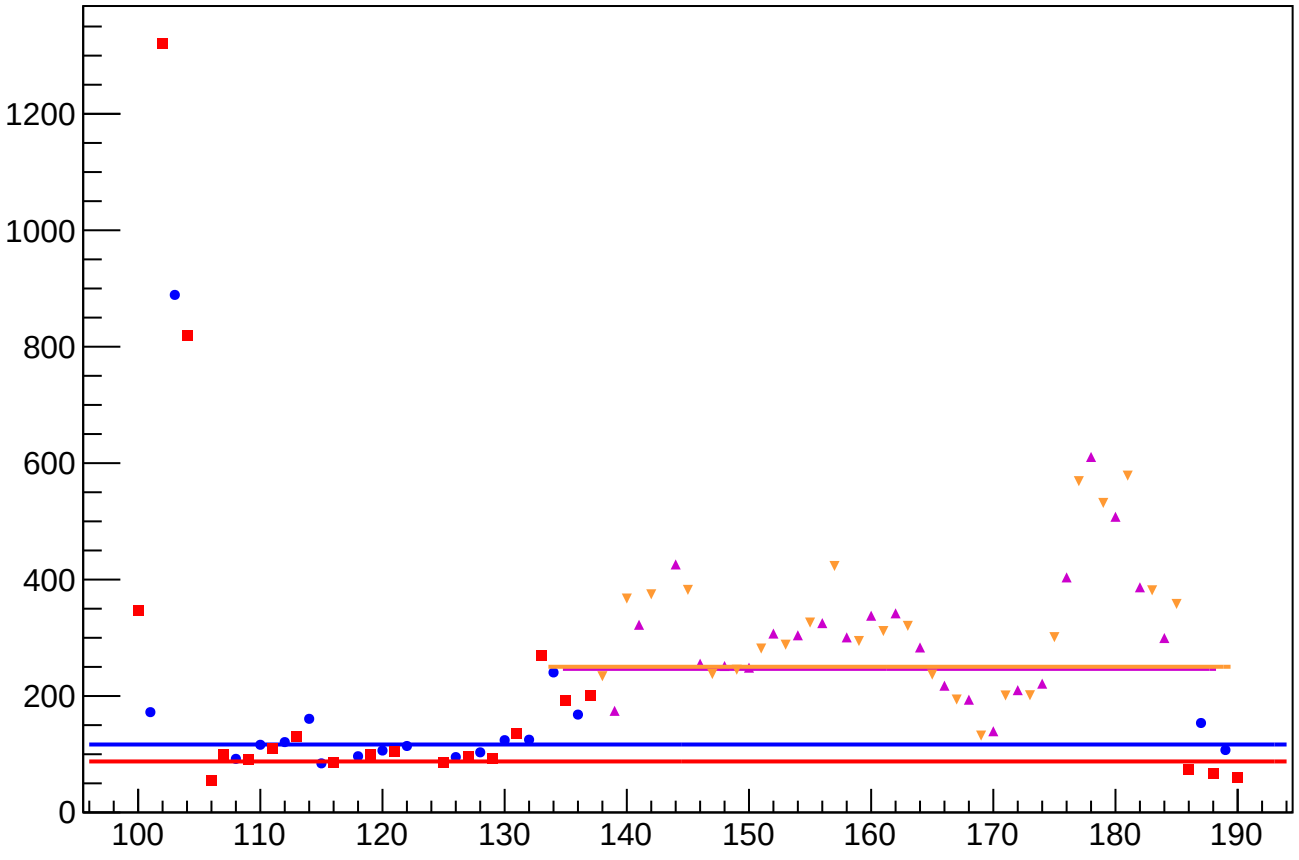
Right Out: -0.003+/-0.034 χ^2/NDF: 33.7/20

Left In: -0.059+/-0.062 χ^2/NDF:27.9/22

+ sign 0.034+/-0.037 χ^2/NDF: 41.9/41

All: 0.004+/-0.023 χ^2/NDF: 105.3/85

- sign -0.016+/-0.030 χ^2/NDF: 62.2/43



Right In: 116.721+/-0.032 χ^2/NDF: 1647962.1/17

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

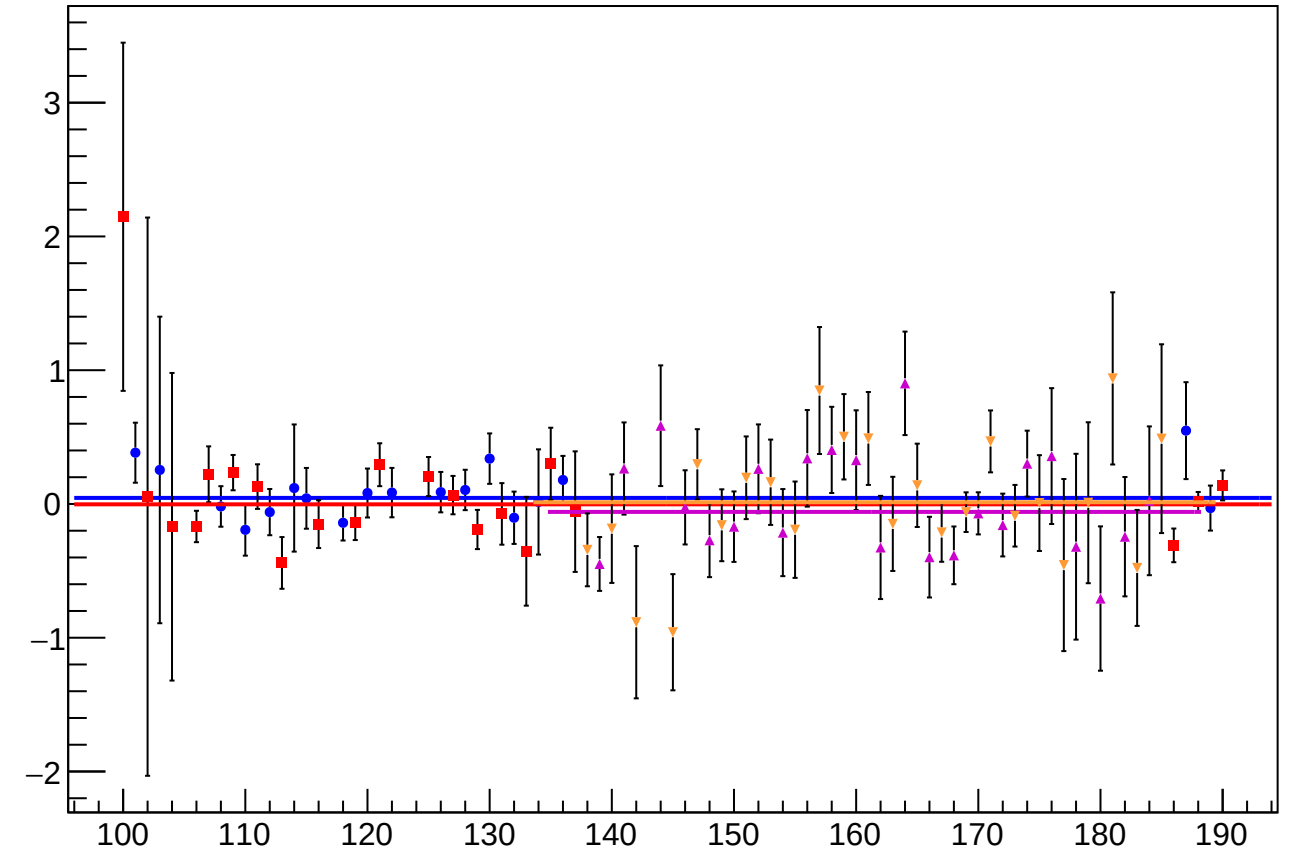
Right Out: 87.606+/-0.024 χ^2/NDF: 3145081.0/20

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

+ sign 162.252+/-0.026 χ^2/NDF: 11920294.7/41

All: 139.542+/-0.016 χ^2/NDF: 30200182.3/85

- sign 124.555+/-0.021 χ^2/NDF: 17015089.4/43



Right In: 0.045+/-0.045 χ^2/NDF: 12.4/17

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

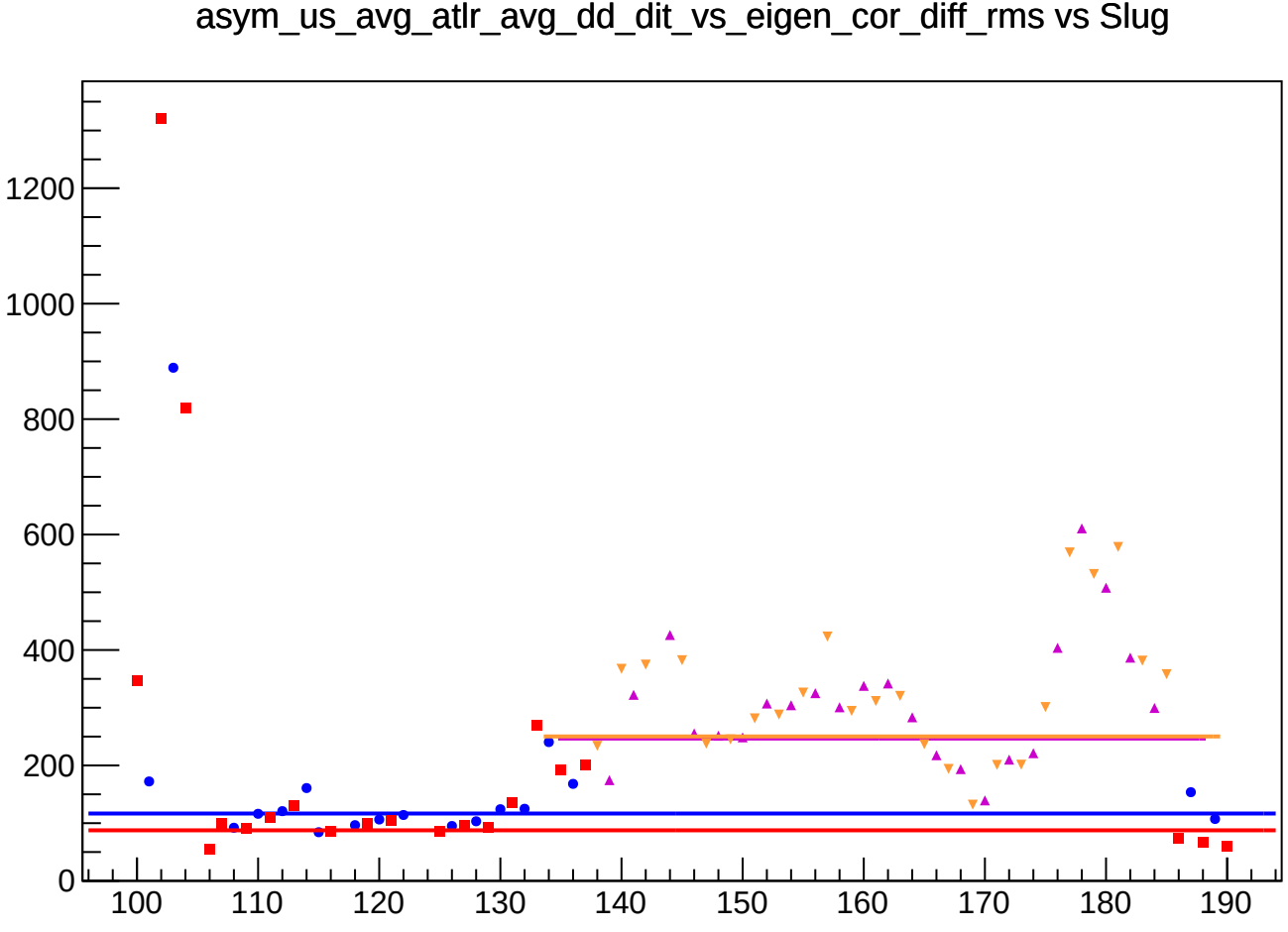
Right Out: -0.003+/-0.034 χ^2/NDF: 33.7/20

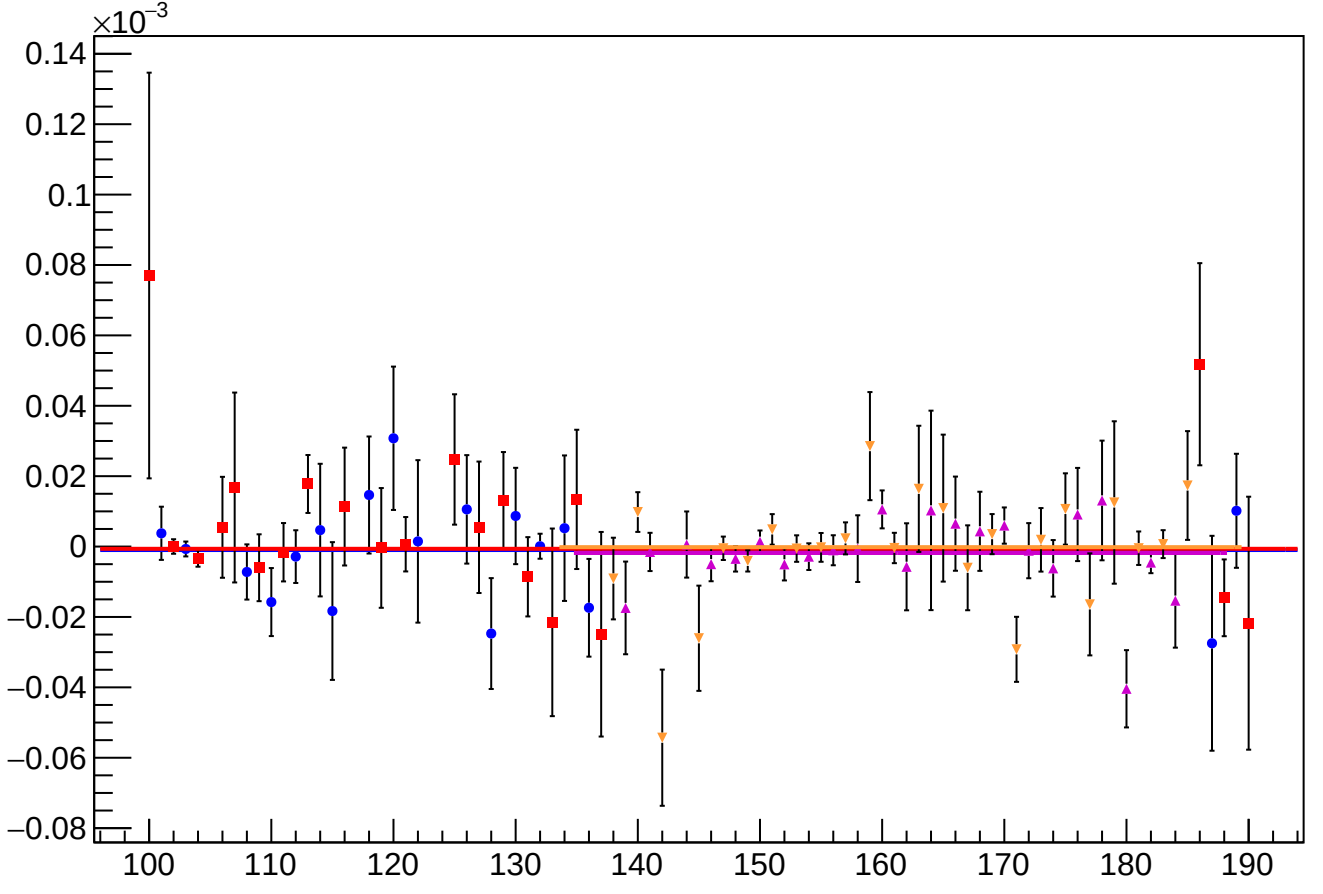
Left In: -0.059+/-0.062 χ^2/NDF:27.9/22

+ sign 0.034+/-0.037 χ^2/NDF: 41.9/41

All: 0.004+/-0.023 χ^2/NDF: 105.3/85

- sign -0.016+/-0.030 χ^2/NDF: 62.2/43


asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug
1200
1000
800
600
400
200
0
100
110
120
130
140
150
160
170
180
190
Right In: 116.721+/-0.032 χ²/NDF: 1647962.1/17
Left Out: 250.247+/-0.045 χ²/NDF:4353162.7/23
Right Out: 87.606+/-0.024 χ²/NDF: 3145081.0/20
Left In: 246.630+/-0.044 χ²/NDF:3773083.4/22
+ sign 162.252+/-0.026 χ²/NDF: 11920294.7/41
All: 139.542+/-0.016 χ²/NDF: 30200182.3/85
- sign 124.555+/-0.021 χ²/NDF: 17015089.4/43



Right In: -0.000+/-0.000 χ^2/NDF: 13.8/17

Left Out: -0.000+/-0.000 χ^2/NDF:37.2/23

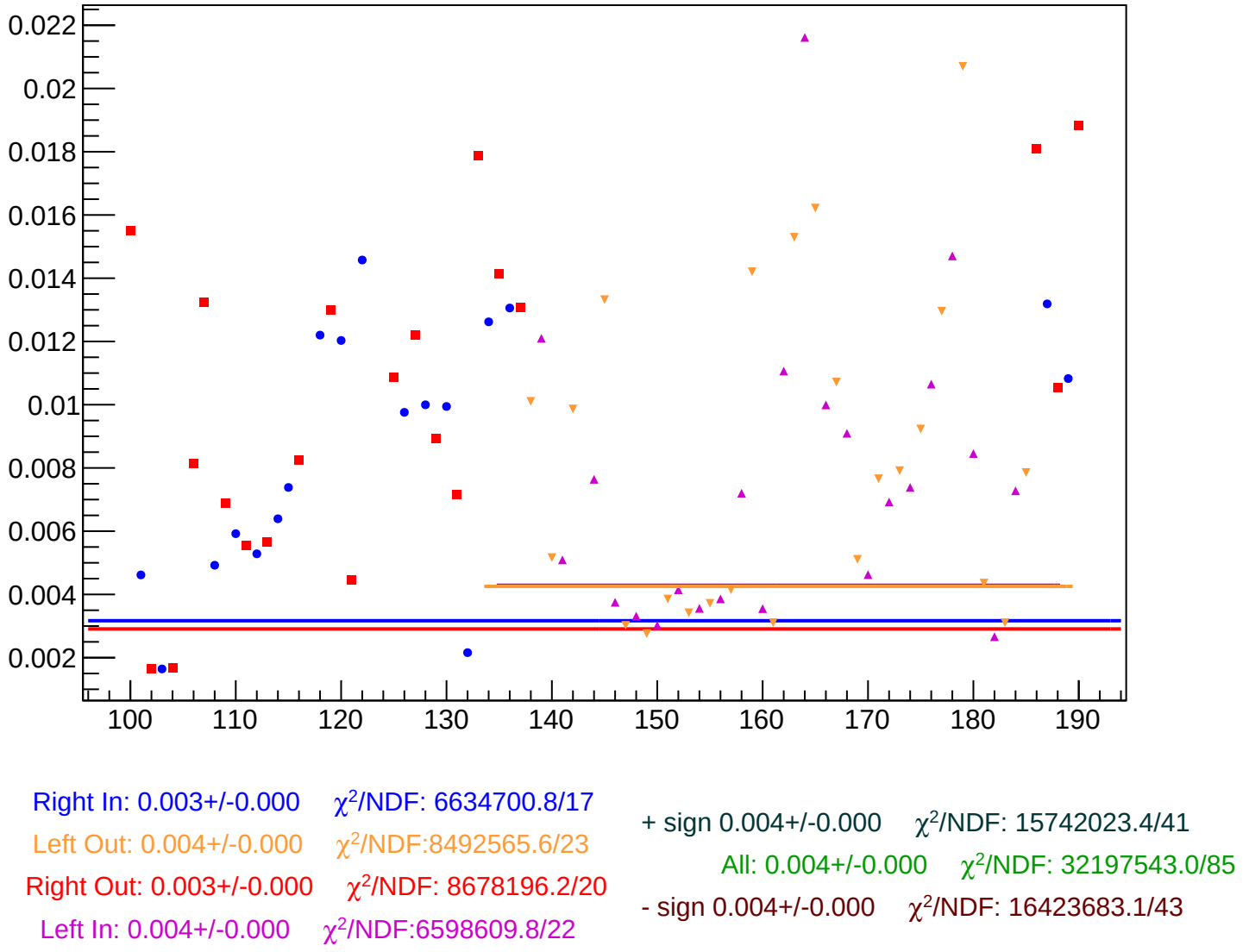
Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/20

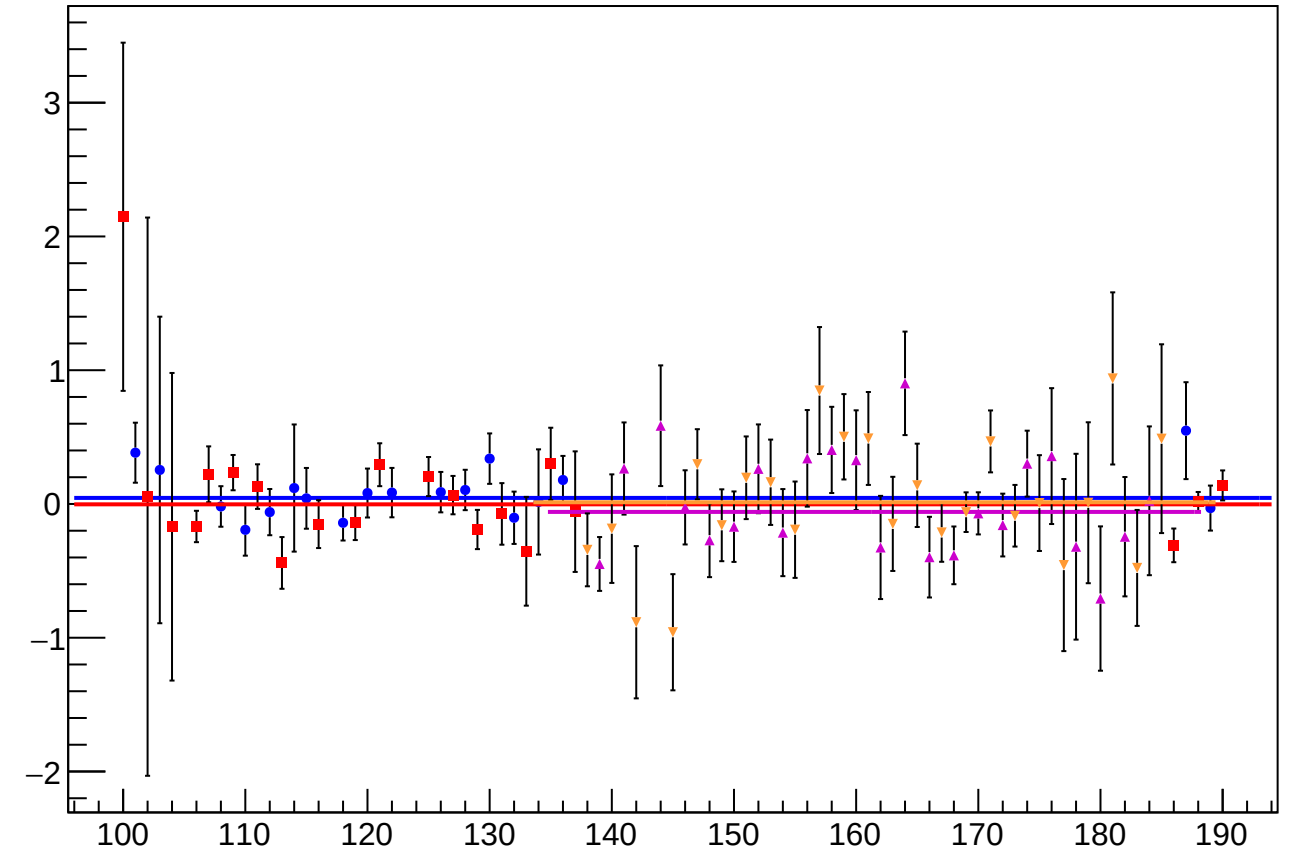
Left In: -0.000+/-0.000 χ^2/NDF:28.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 51.1/41

All: -0.000+/-0.000 χ^2/NDF: 100.6/85

- sign -0.000+/-0.000 χ^2/NDF: 49.0/43


asym_us_avg_atlr_avg_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
100
110
120
130
140
150
160
170
180
190
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: 8678196.2/20
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: 32197543.0/85
- sign 0.004+/-0.000 χ²/NDF: 16423683.1/43



Right In: 0.045+/-0.045 χ^2/NDF: 12.4/17

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

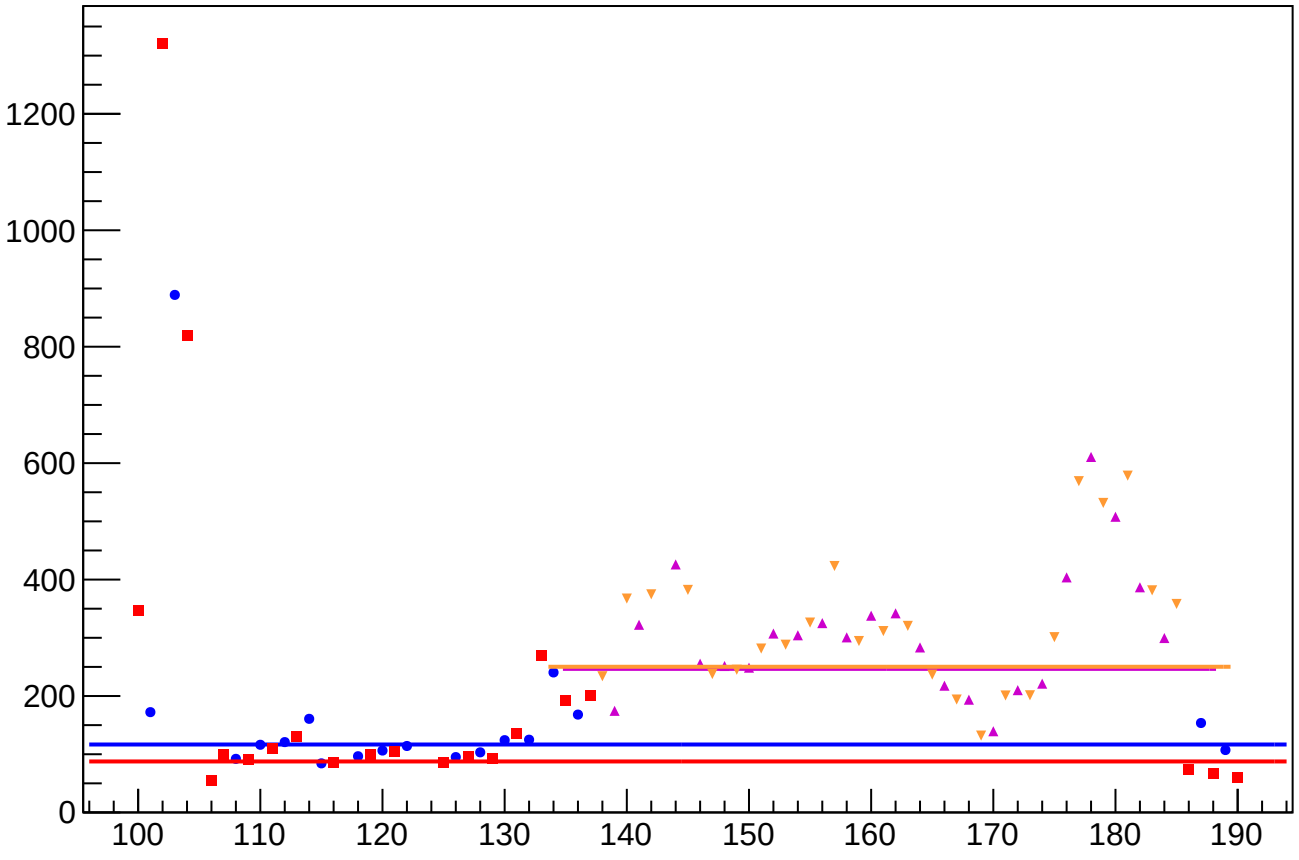
Right Out: -0.003+/-0.034 χ^2/NDF: 33.7/20

Left In: -0.059+/-0.062 χ^2/NDF:27.9/22

+ sign 0.034+/-0.037 χ^2/NDF: 41.9/41

All: 0.004+/-0.023 χ^2/NDF: 105.3/85

- sign -0.016+/-0.030 χ^2/NDF: 62.2/43



Right In: 116.720+/-0.032 χ^2/NDF: 1647969.8/17

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

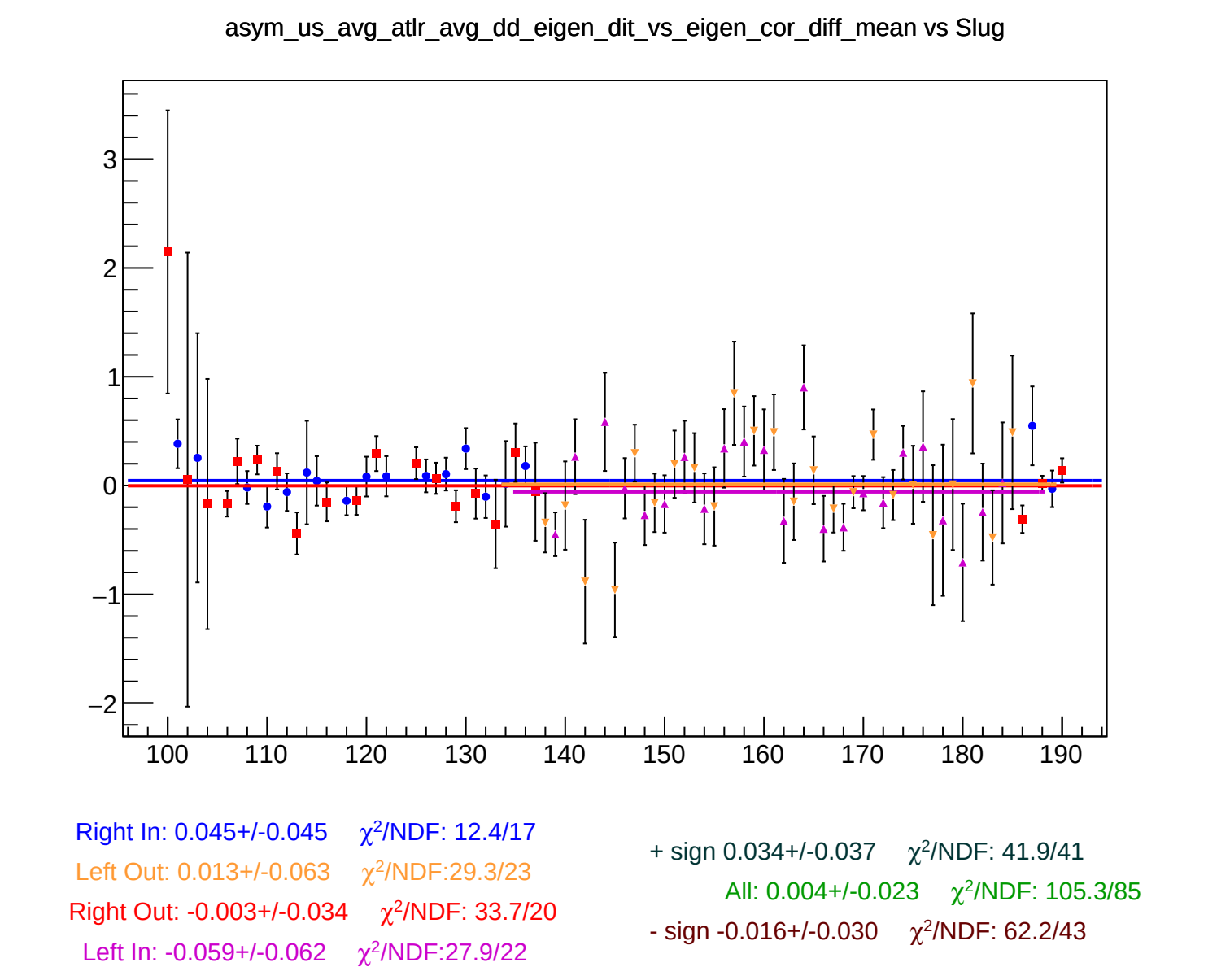
Right Out: 87.602+/-0.024 χ^2/NDF: 3145359.8/20

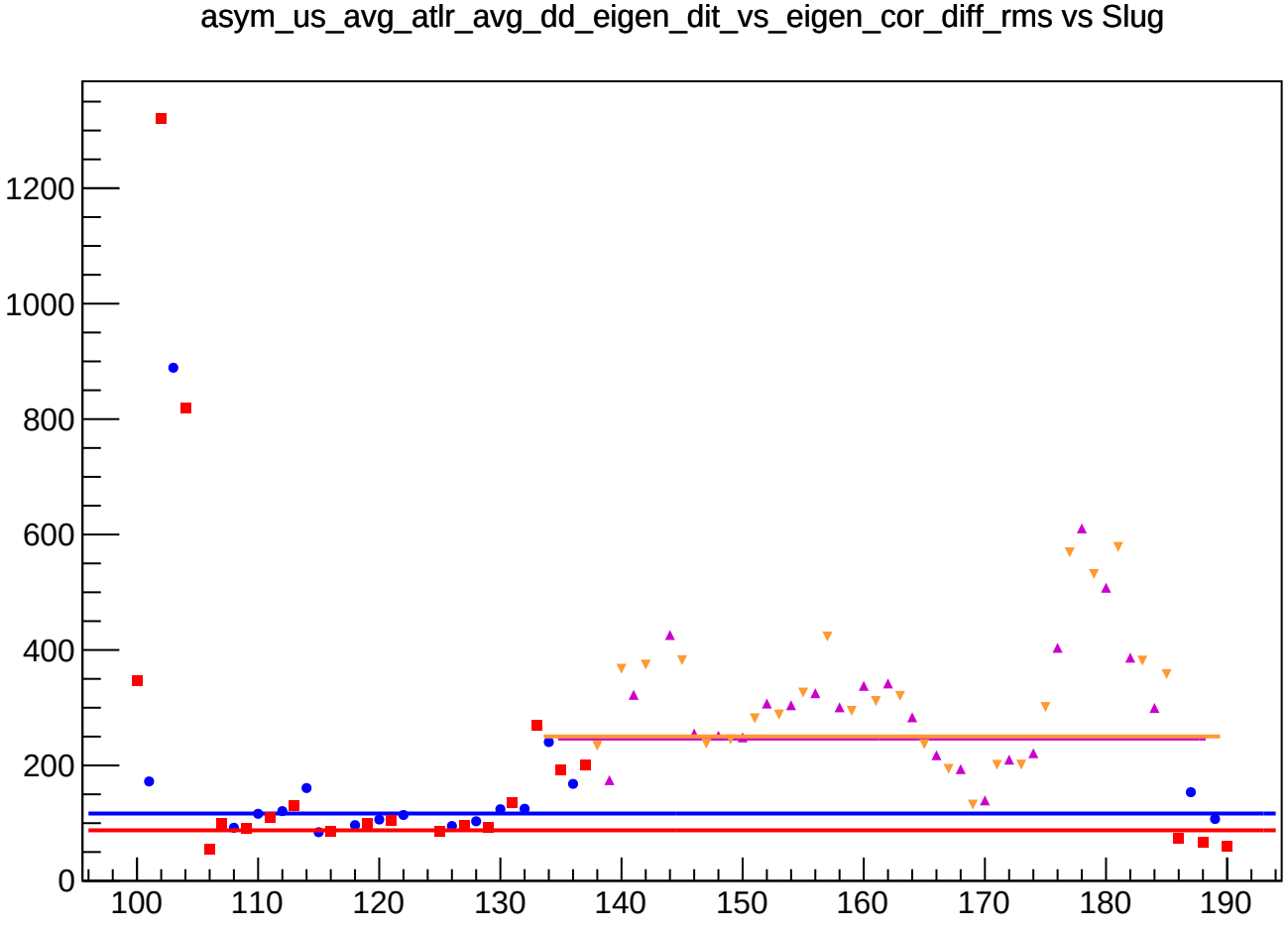
Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

+ sign 162.251+/-0.026 χ^2/NDF: 11920549.8/41

All: 139.538+/-0.016 χ^2/NDF: 30201951.9/85

- sign 124.549+/-0.021 χ^2/NDF: 17016256.6/43


asym_us_avg_atlr_avg_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: 0.045+/-0.045 χ²/NDF: 12.4/17
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: -0.003+/-0.034 χ²/NDF: 33.7/20
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.034+/-0.037 χ²/NDF: 41.9/41
All: 0.004+/-0.023 χ²/NDF: 105.3/85
- sign -0.016+/-0.030 χ²/NDF: 62.2/43



Right In: 116.720+/-0.032 χ^2/NDF: 1647969.8/17

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

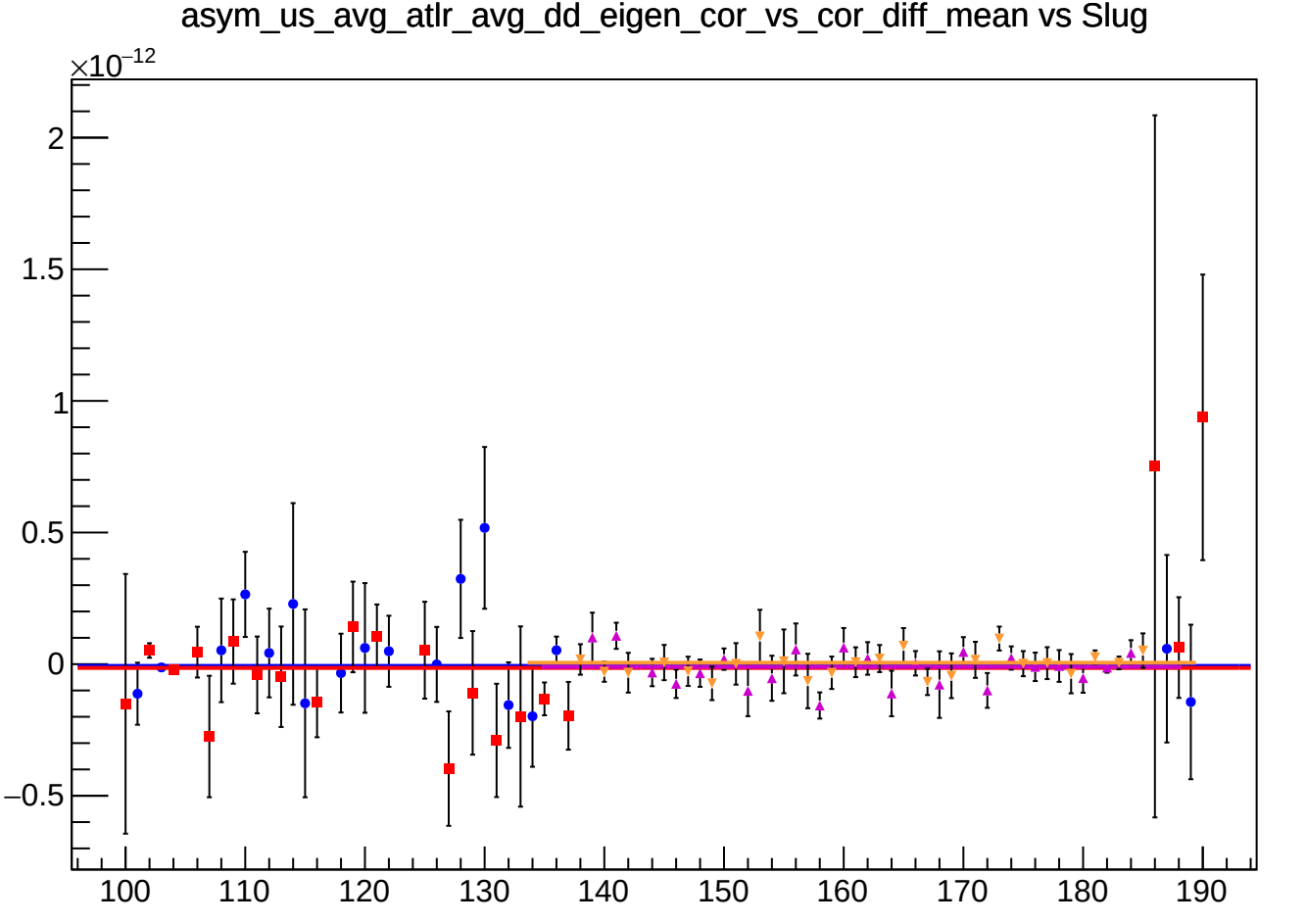
Right Out: 87.602+/-0.024 χ^2/NDF: 3145359.8/20

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

+ sign 162.251+/-0.026 χ^2/NDF: 11920549.8/41

All: 139.538+/-0.016 χ^2/NDF: 30201951.9/85

- sign 124.549+/-0.021 χ^2/NDF: 17016256.6/43



Right In: -0.000+/-0.000 χ^2/NDF: 13.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/23

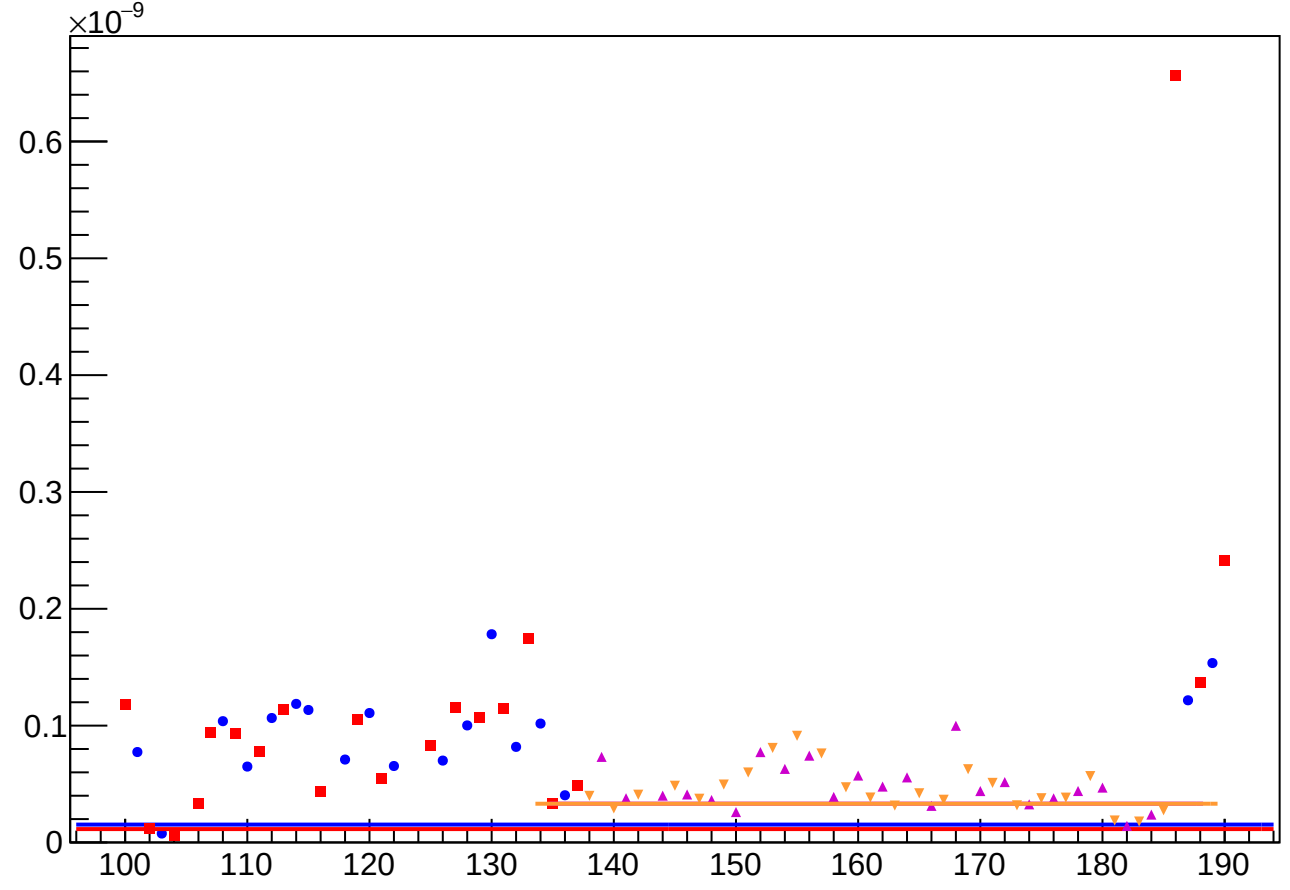
Right Out: -0.000+/-0.000 χ^2/NDF: 25.5/20

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 27.7/41

All: -0.000+/-0.000 χ^2/NDF: 82.6/85

- sign -0.000+/-0.000 χ^2/NDF: 53.4/43



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: 7558668.7/20

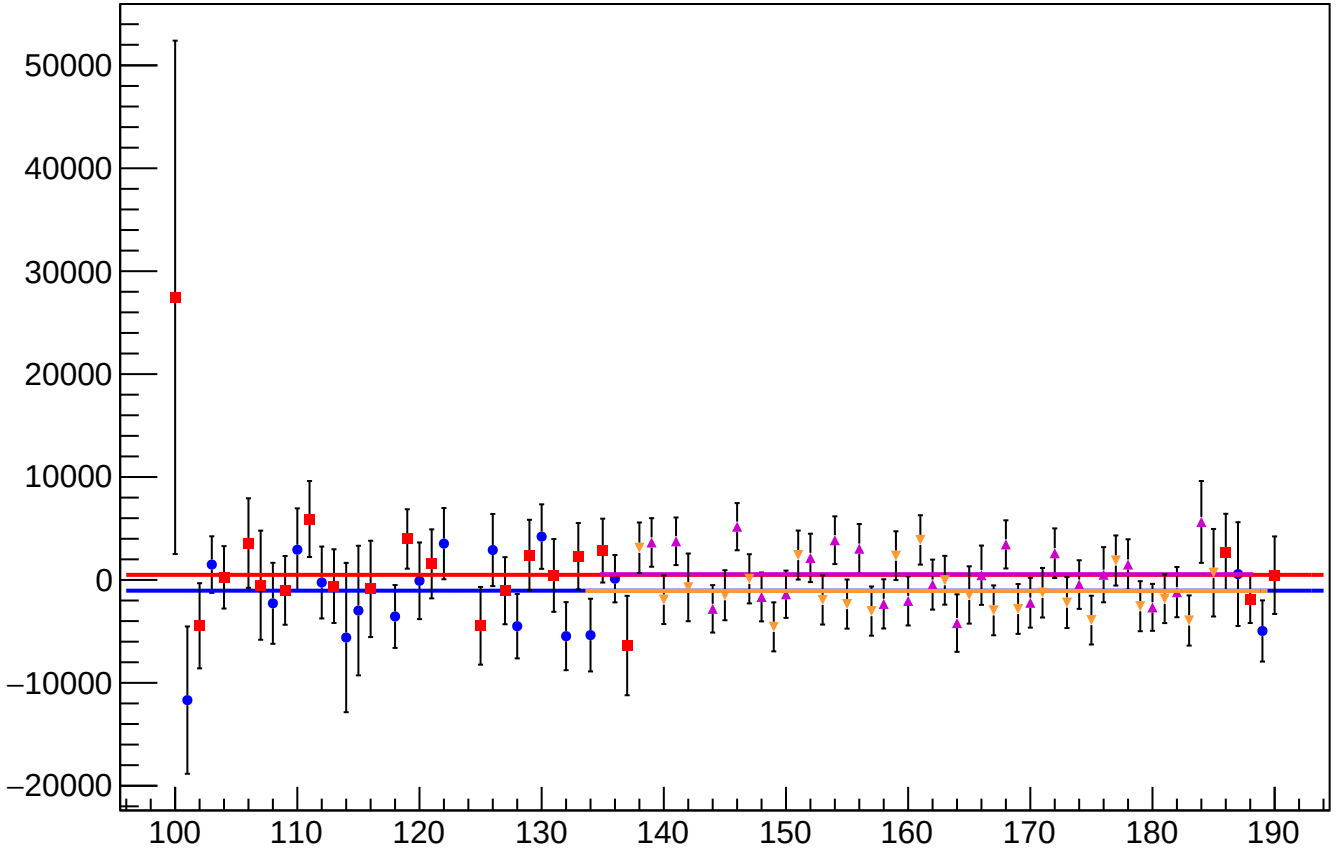
Left In: 0.000+/-0.000 χ^2/NDF:5018453.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 12957413.4/41

All: 0.000+/-0.000 χ^2/NDF: 30401011.1/85

- sign 0.000+/-0.000 χ^2/NDF: 17157513.2/43

reg_asym_us_dd_at1lr_dd_avg_mean vs Slug



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: 492.968+/-778.191 χ^2/NDF: 13.8/20

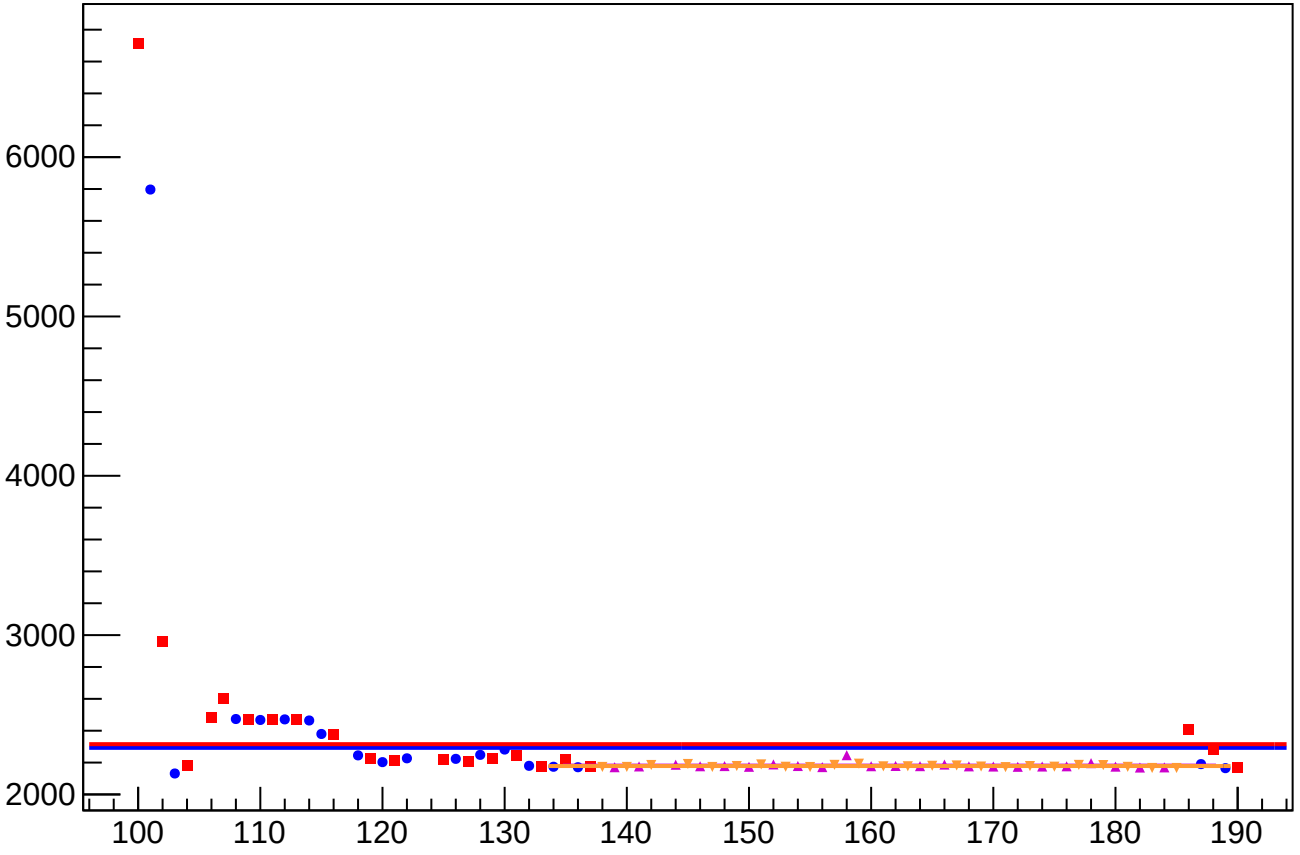
Left In: 557.052+/-509.208 χ^2/NDF:28.7/22

+ sign -1064.895+/-431.184 χ^2/NDF: 39.4/41

All: -254.011+/-303.077 χ^2/NDF: 88.9/85

- sign 537.840+/-426.094 χ^2/NDF: 42.5/43

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

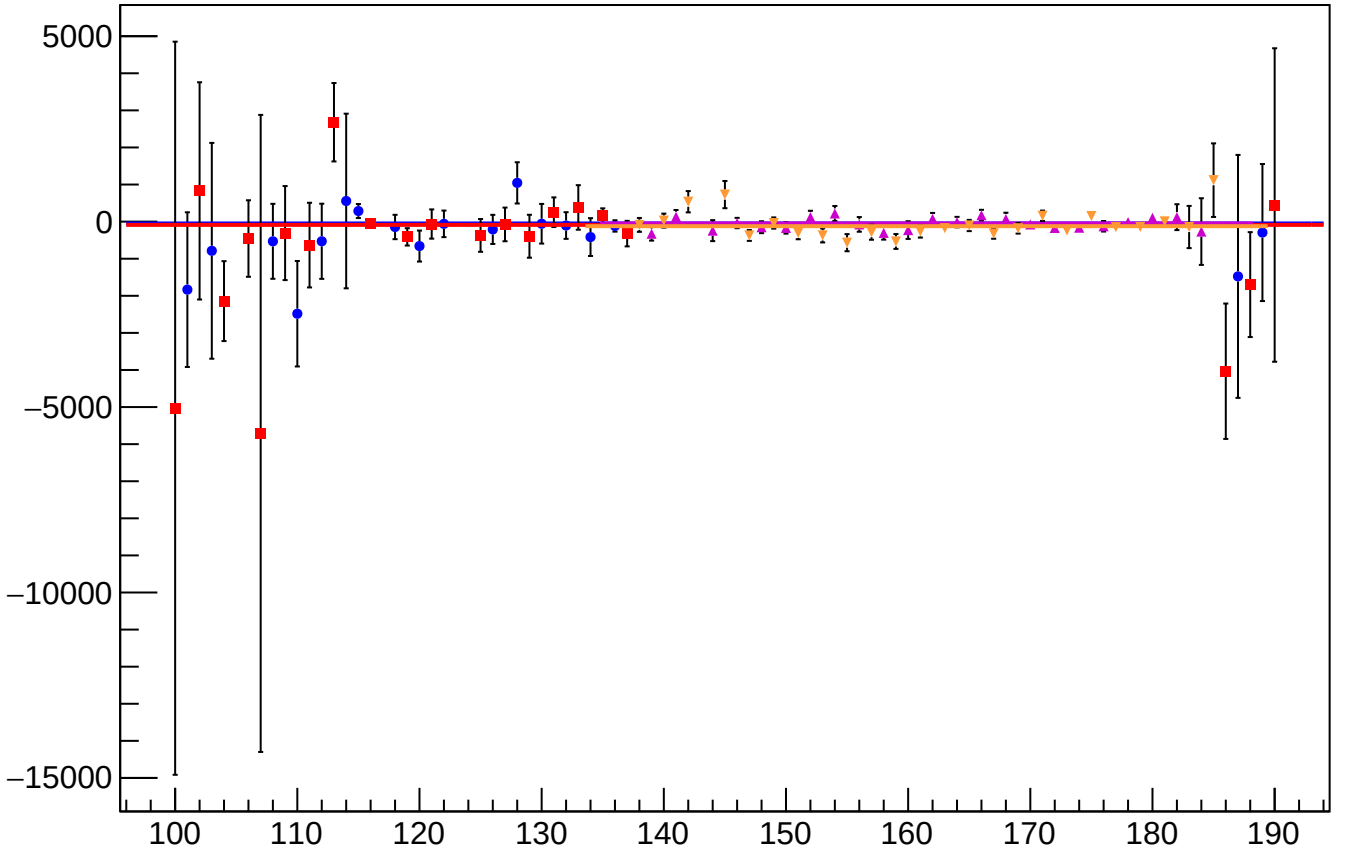
Right Out: 2315.562+/-0.550 χ^2/NDF: 156543.1/20

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2209.401+/-0.305 χ^2/NDF: 547446.5/41

All: 2215.414+/-0.214 χ^2/NDF: 748547.1/85

- sign 2221.286+/-0.301 χ^2/NDF: 200332.0/43



Right In: -49.618+/-90.769 χ^2/NDF: 14.6/17

Left Out: -123.007+/-31.408 χ^2/NDF:43.8/23

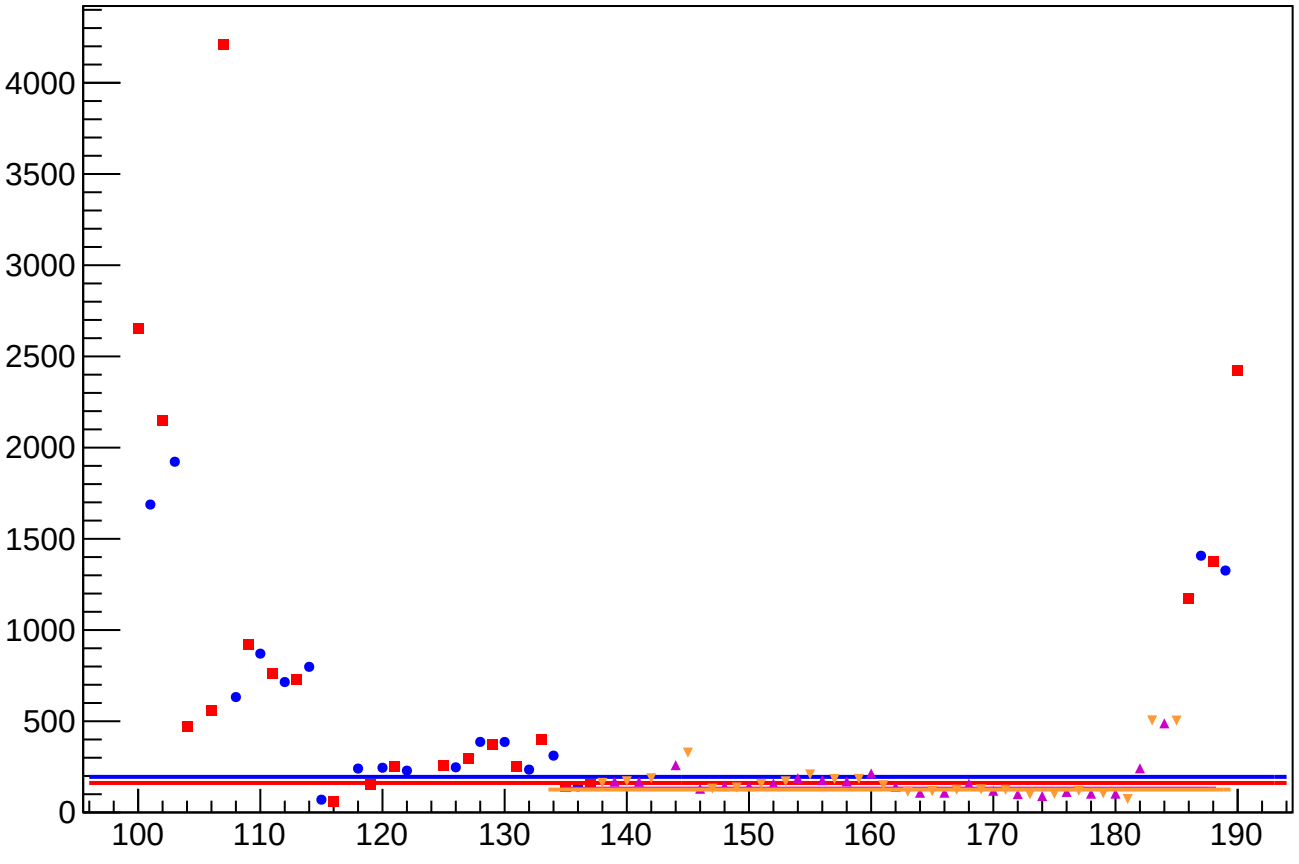
Right Out: -87.501+/-82.145 χ^2/NDF: 23.6/20

Left In: -50.317+/-32.545 χ^2/NDF:18.2/22

+ sign -115.160+/-29.681 χ^2/NDF: 59.0/41

All: -85.835+/-21.188 χ^2/NDF: 103.0/85

- sign -55.361+/-30.257 χ^2/NDF: 42.1/43



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: 161.715+/-0.058 χ^2/NDF: 8828449.1/20

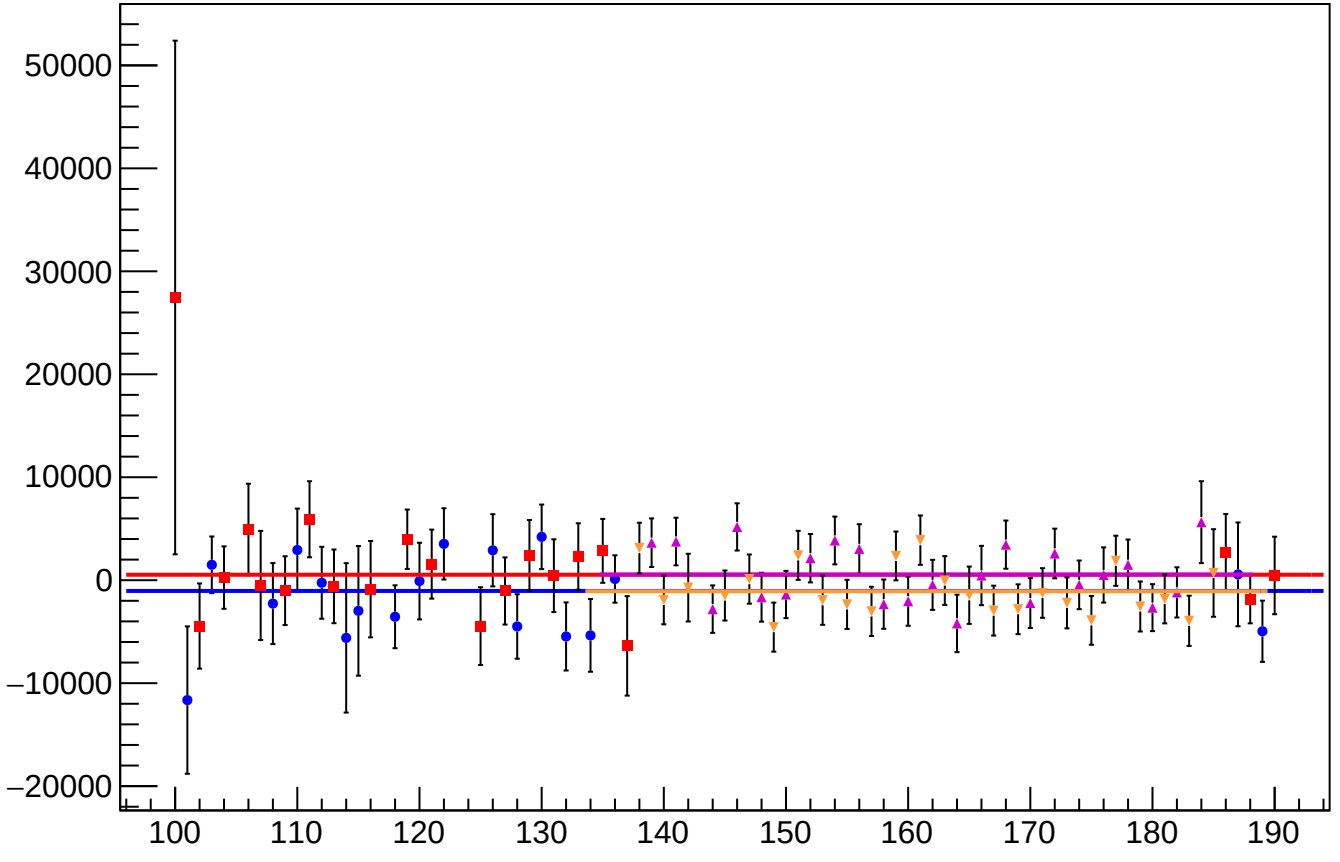
Left In: 130.436+/-0.023 χ^2/NDF:2679692.6/22

+ sign 132.943+/-0.021 χ^2/NDF: 11083144.5/41

All: 133.795+/-0.015 χ^2/NDF: 22845276.1/85

- sign 134.680+/-0.021 χ^2/NDF: 11758772.9/43

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: 530.400+/-778.708 χ^2/NDF: 14.3/20

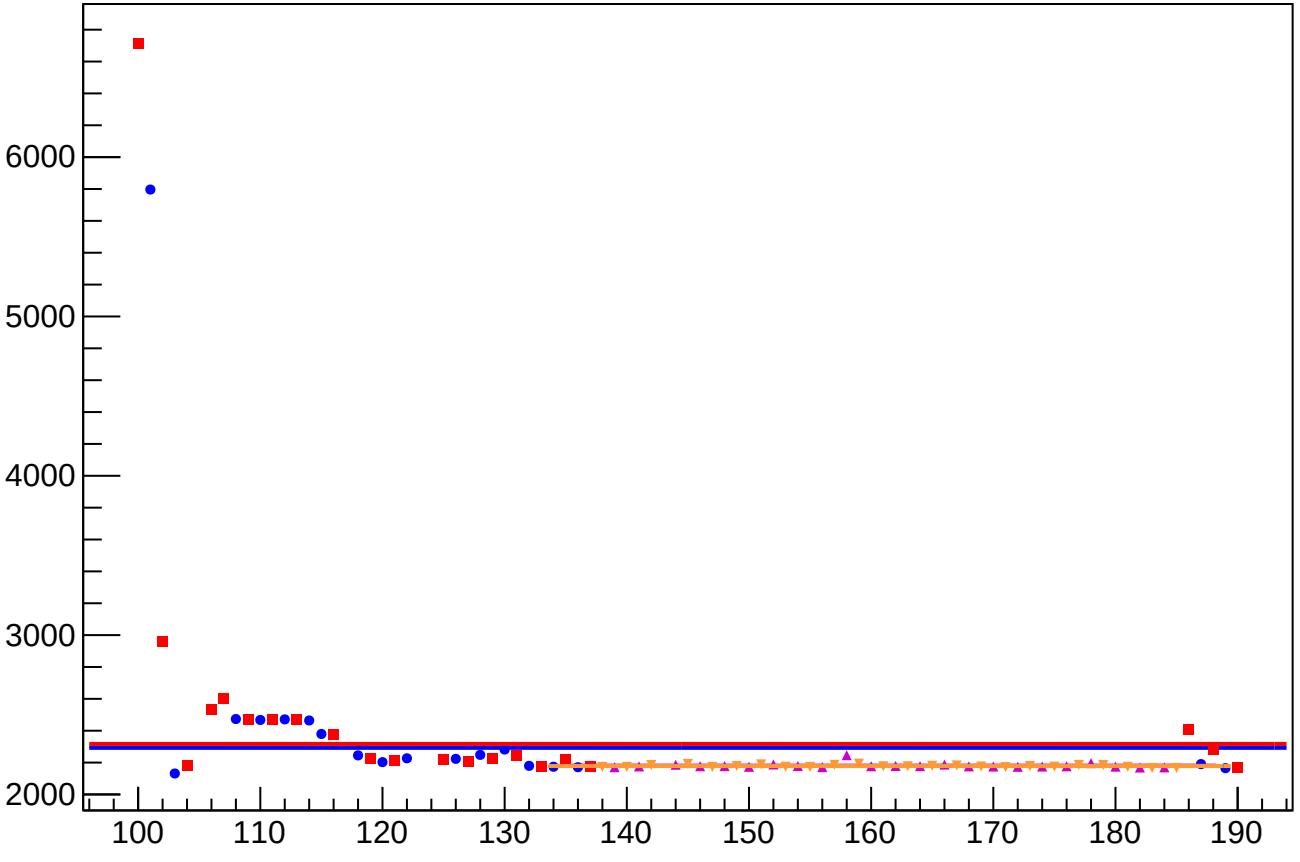
Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -1064.605+/-431.184 χ^2/NDF: 39.4/41

All: -248.338+/-303.108 χ^2/NDF: 89.4/85

- sign 549.088+/-426.178 χ^2/NDF: 43.0/43

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

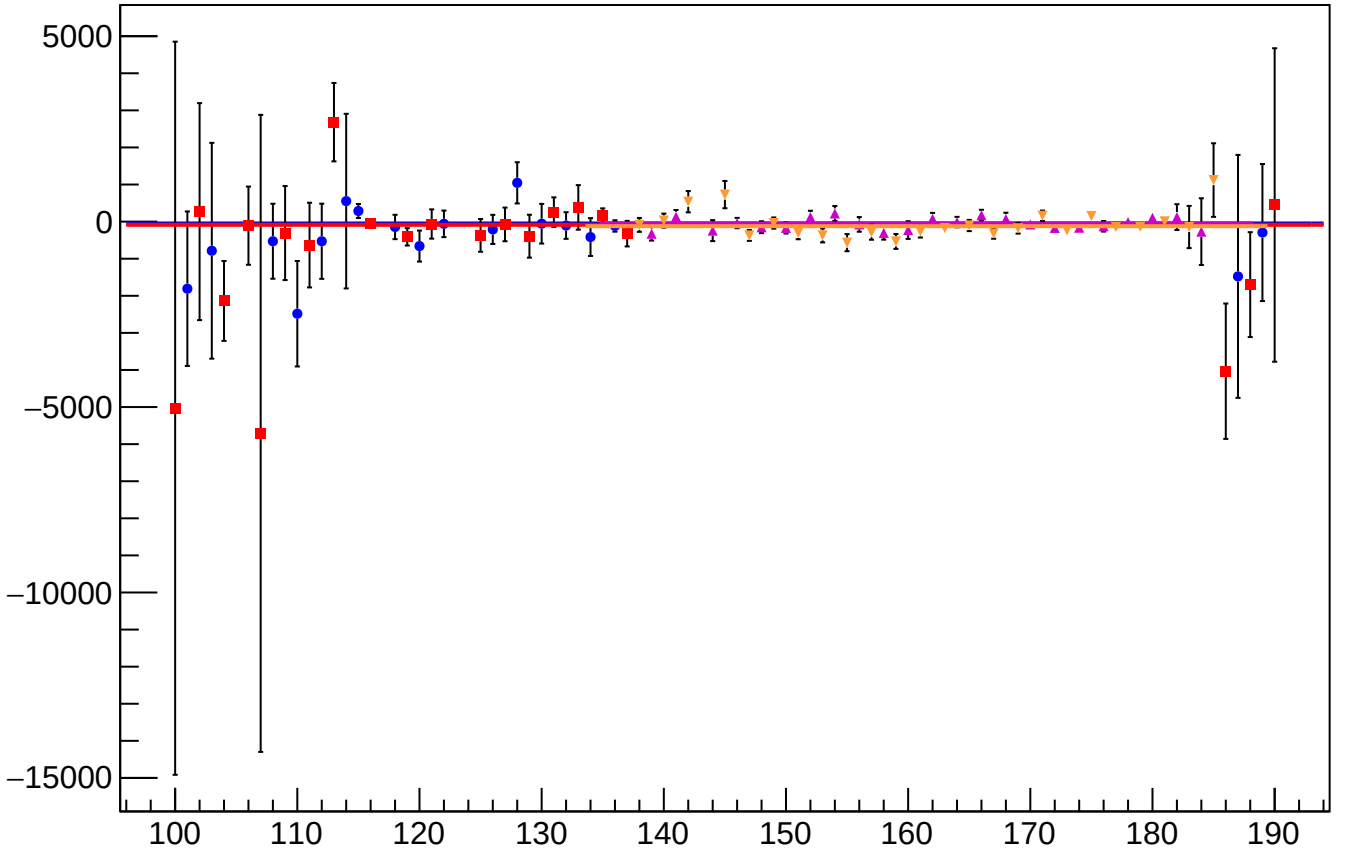
Right Out: 2316.896+/-0.551 χ^2/NDF: 158401.8/20

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2209.401+/-0.305 χ^2/NDF: 547446.8/41

All: 2215.596+/-0.214 χ^2/NDF: 751248.2/85

- sign 2221.647+/-0.301 χ^2/NDF: 202985.4/43



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: -85.492+/-82.084 χ^2/NDF: 23.4/20

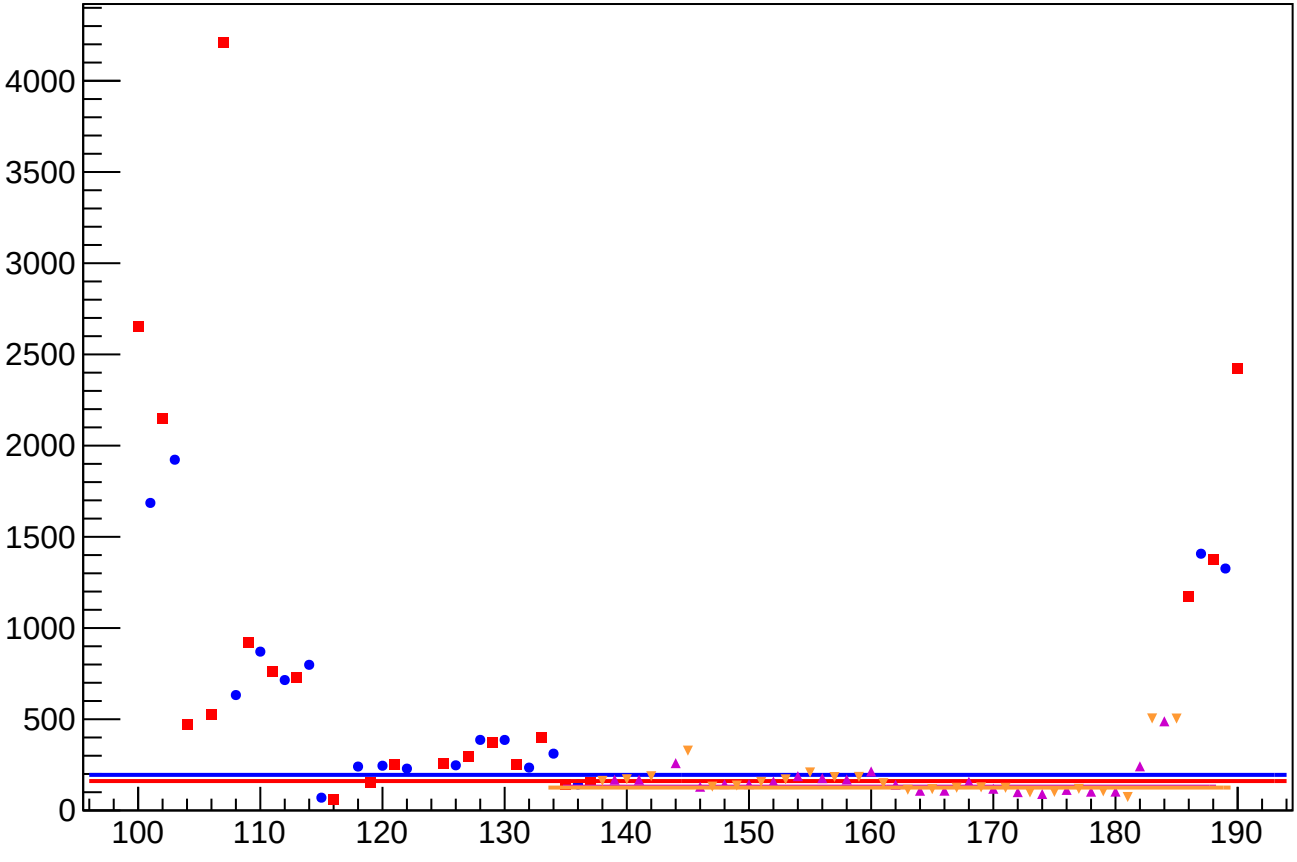
Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

+ sign -115.094+/-29.682 χ^2/NDF: 58.9/41

All: -85.625+/-21.188 χ^2/NDF: 102.8/85

- sign -55.003+/-30.256 χ^2/NDF: 41.8/43

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug



Right In: 195.079+/-0.064 χ^2/NDF: 6090644.3/17

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

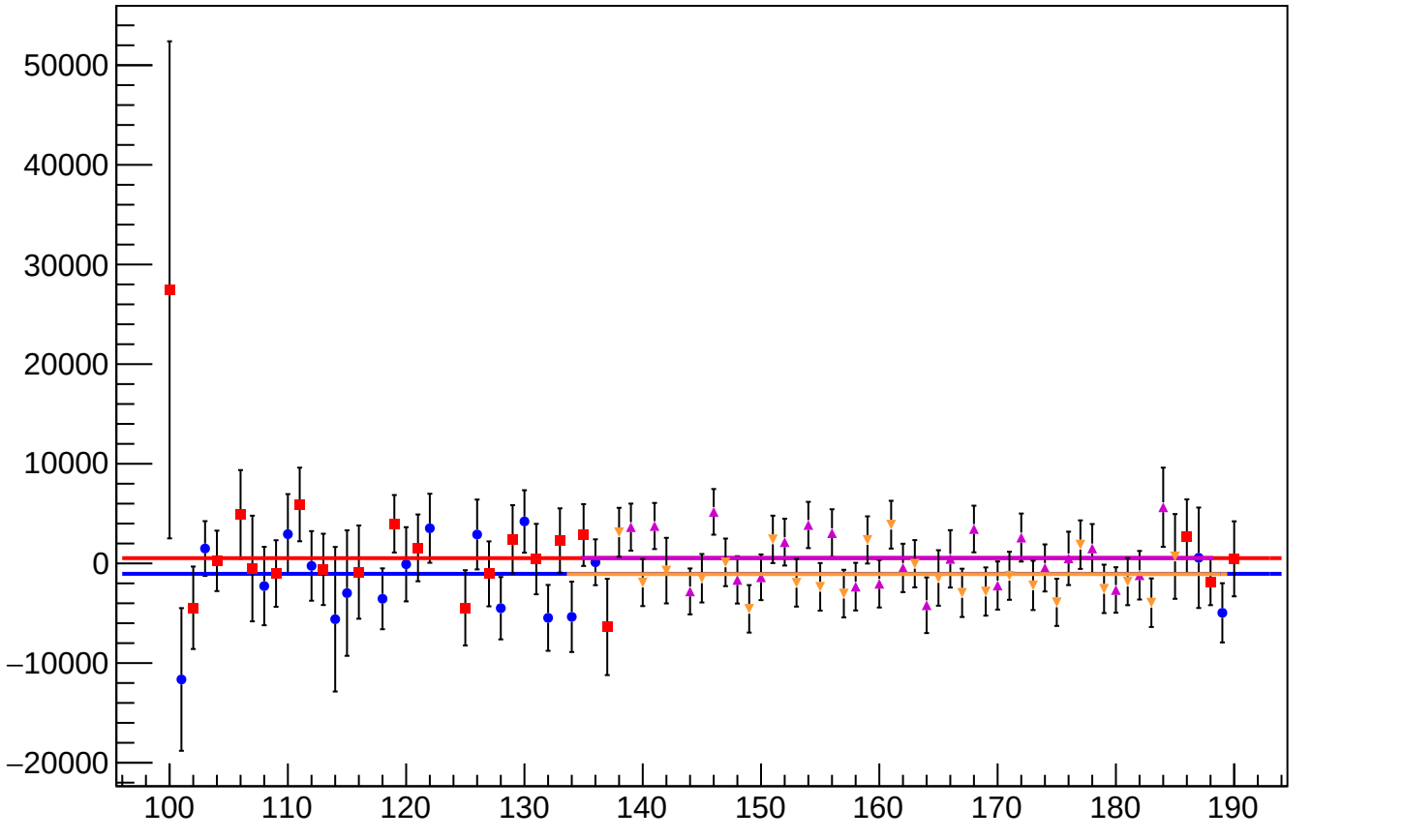
Right Out: 161.152+/-0.058 χ^2/NDF: 8785144.7/20

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

+ sign 132.941+/-0.021 χ^2/NDF: 11083537.8/41

All: 133.766+/-0.015 χ^2/NDF: 22792960.5/85

- sign 134.622+/-0.021 χ^2/NDF: 11706277.0/43



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: 530.400+/-778.708 χ^2/NDF: 14.3/20

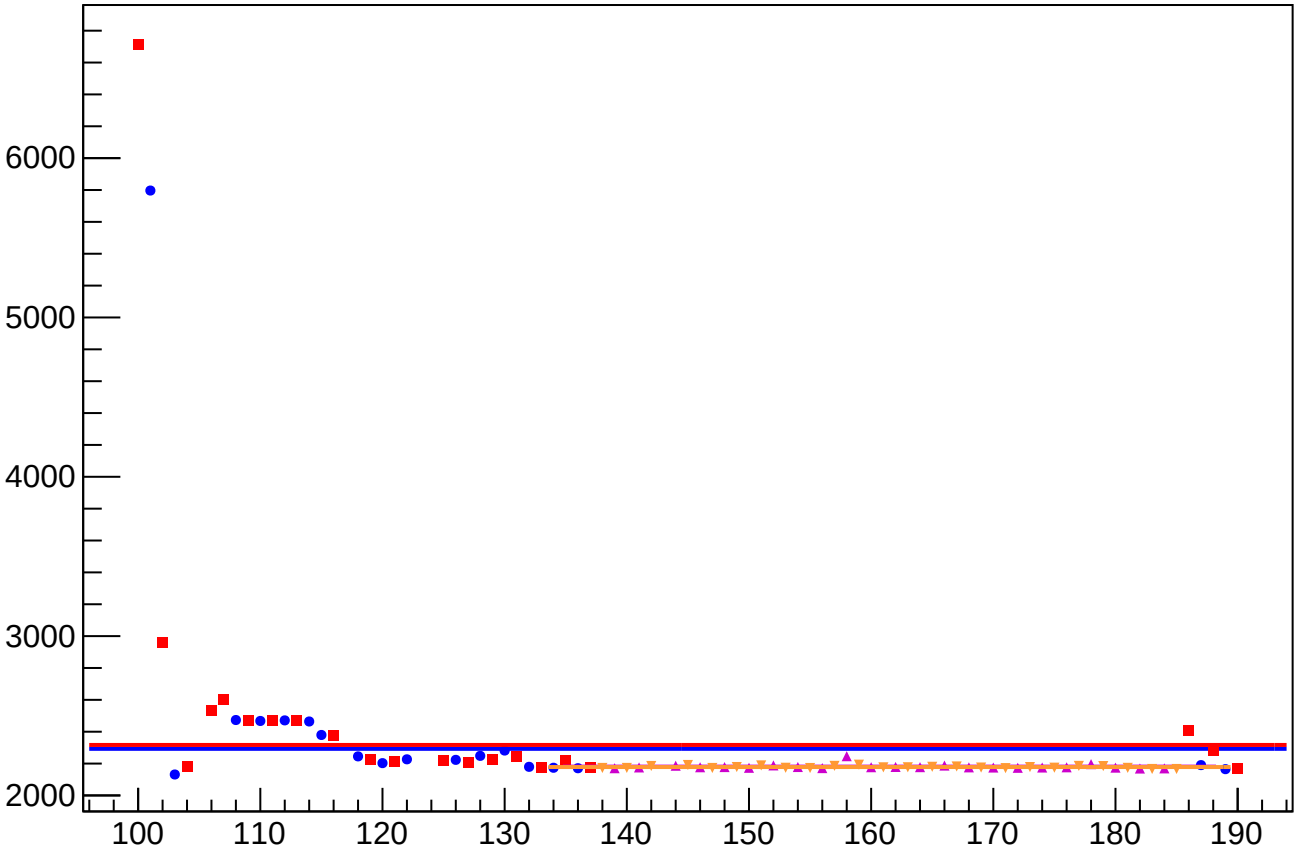
Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -1064.605+/-431.184 χ^2/NDF: 39.4/41

All: -248.338+/-303.108 χ^2/NDF: 89.4/85

- sign 549.088+/-426.178 χ^2/NDF: 43.0/43

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

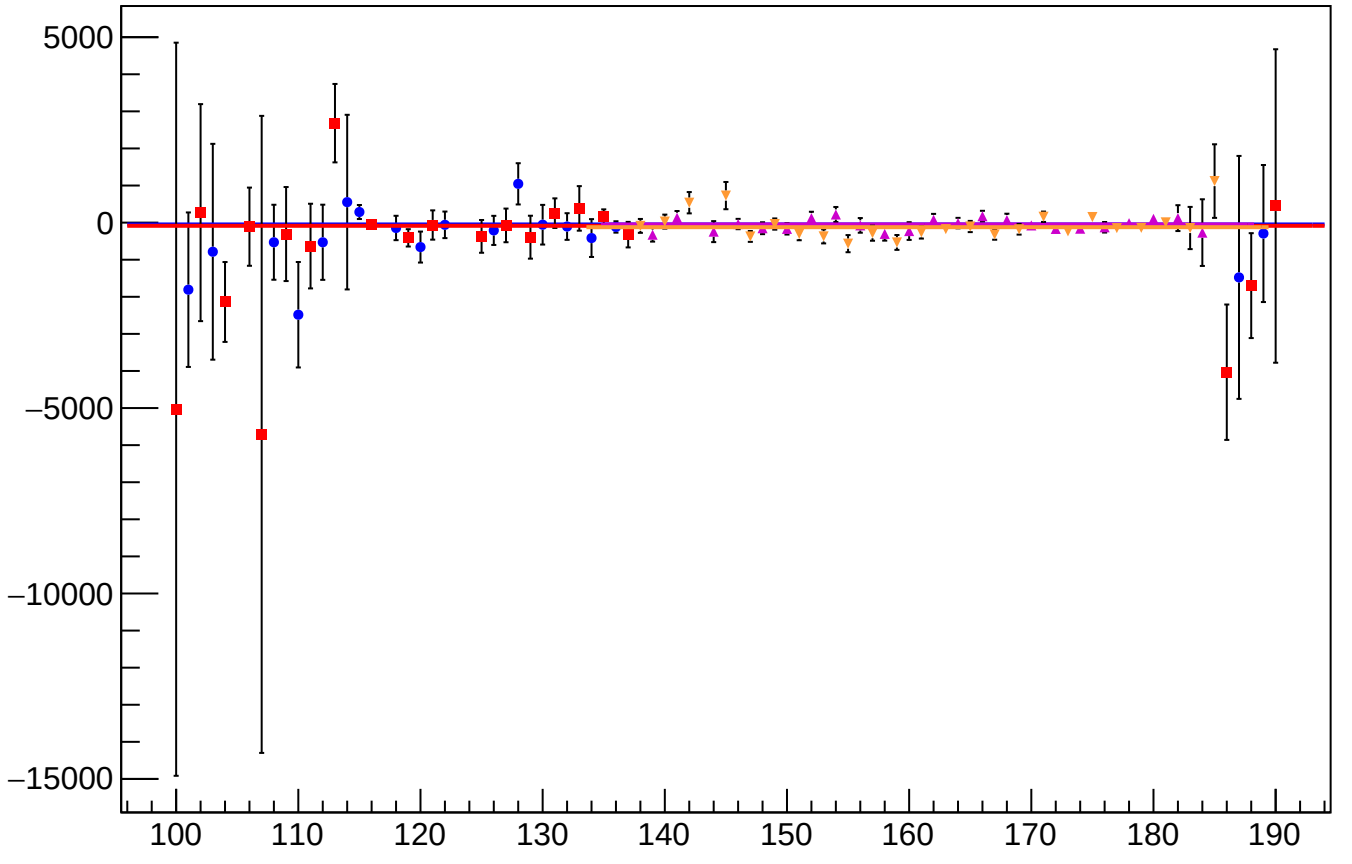
Right Out: 2316.896+/-0.551 χ^2/NDF: 158401.8/20

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2209.401+/-0.305 χ^2/NDF: 547446.8/41

All: 2215.596+/-0.214 χ^2/NDF: 751248.2/85

- sign 2221.647+/-0.301 χ^2/NDF: 202985.4/43



Right In: -49.652+/-90.775 χ^2/NDF: 14.6/17

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

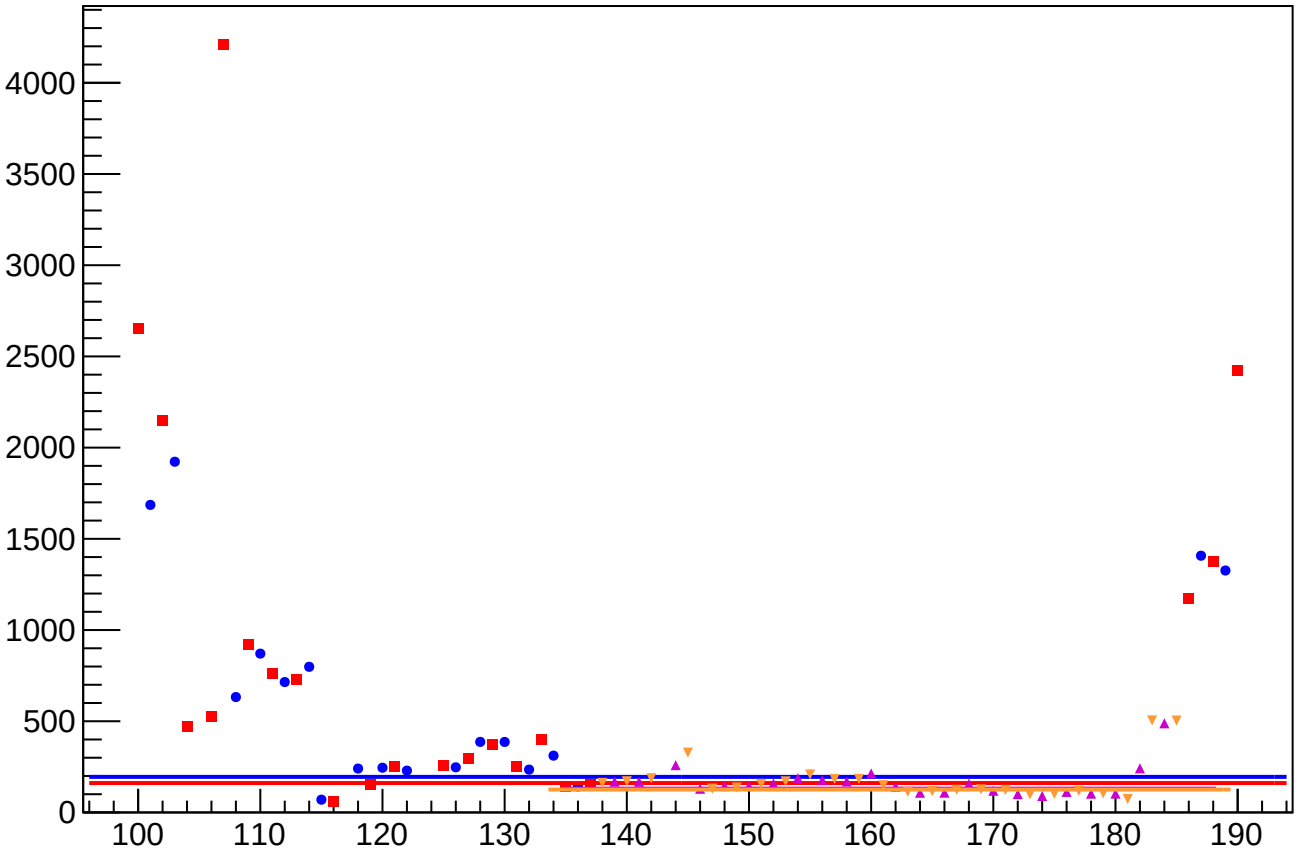
Right Out: -85.492+/-82.084 χ^2/NDF: 23.4/20

Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

+ sign -115.094+/-29.682 χ^2/NDF: 58.9/41

All: -85.625+/-21.188 χ^2/NDF: 102.8/85

- sign -55.003+/-30.256 χ^2/NDF: 41.8/43



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: 161.152+/-0.058 χ^2/NDF: 8785144.7/20

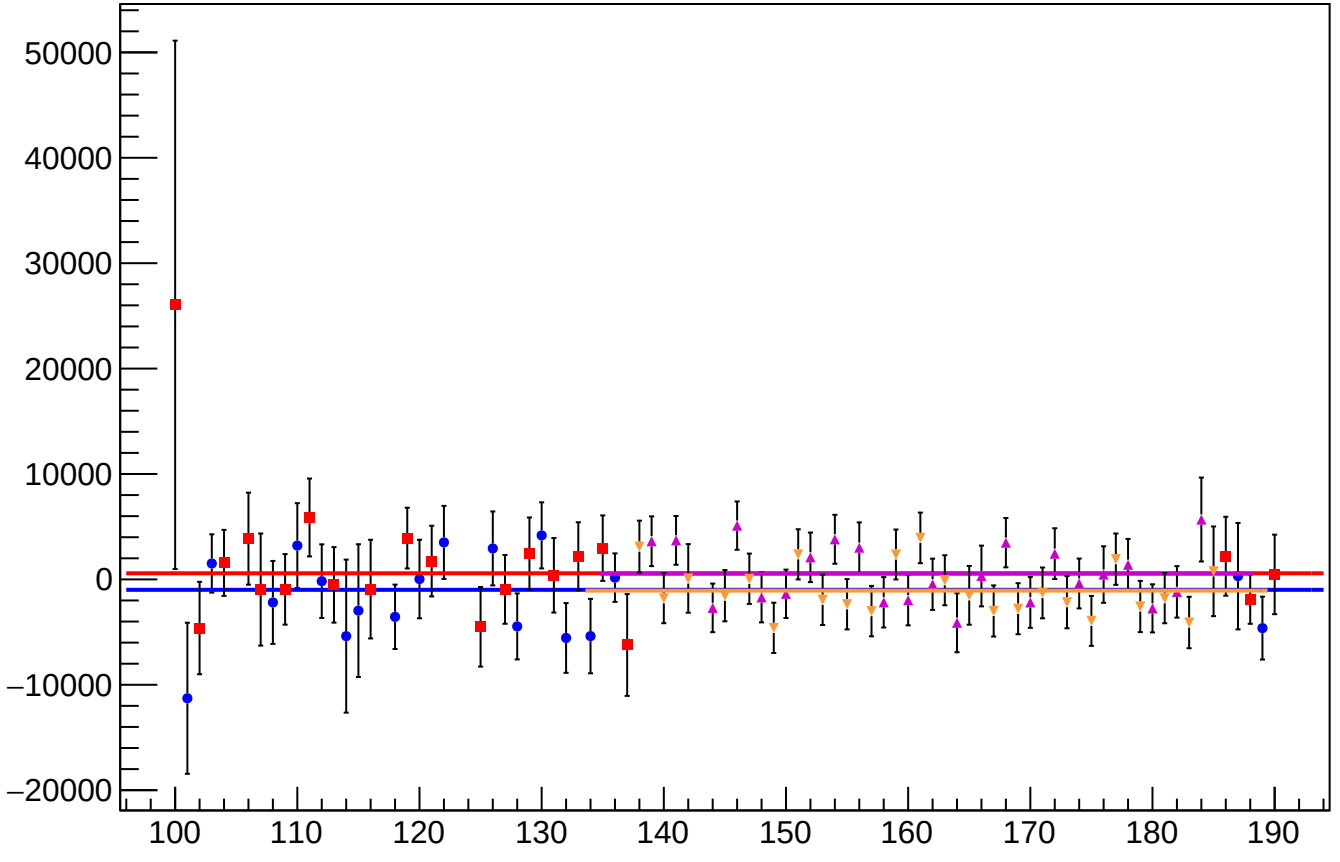
Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

+ sign 132.941+/-0.021 χ^2/NDF: 11083537.8/41

All: 133.766+/-0.015 χ^2/NDF: 22792960.5/85

- sign 134.622+/-0.021 χ^2/NDF: 11706277.0/43

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: 579.767+/-781.963 χ^2/NDF: 13.6/20

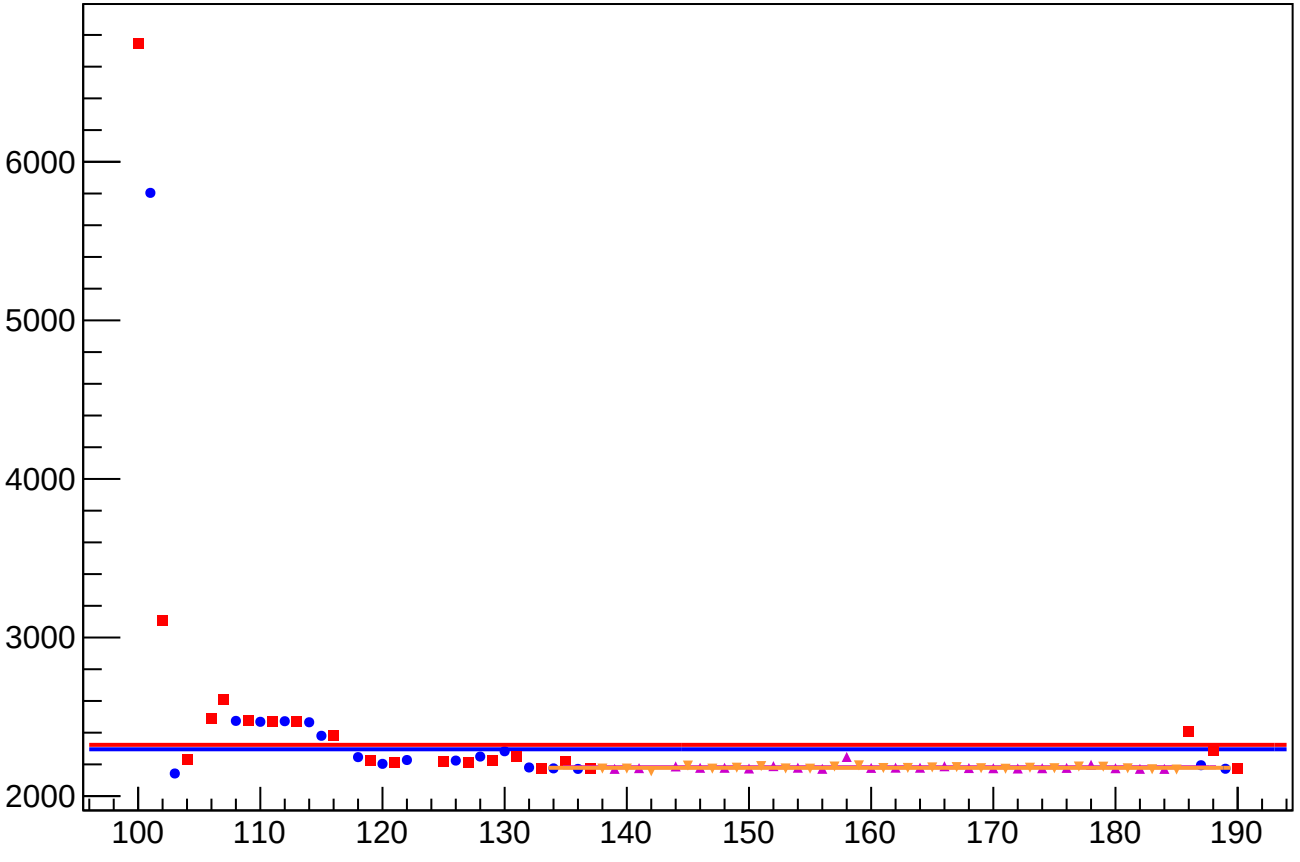
Left In: 544.260+/-509.433 χ^2/NDF:27.9/22

+ sign -1042.712+/-431.385 χ^2/NDF: 39.4/41

All: -235.479+/-303.416 χ^2/NDF: 87.8/85

- sign 554.840+/-426.842 χ^2/NDF: 41.5/43

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

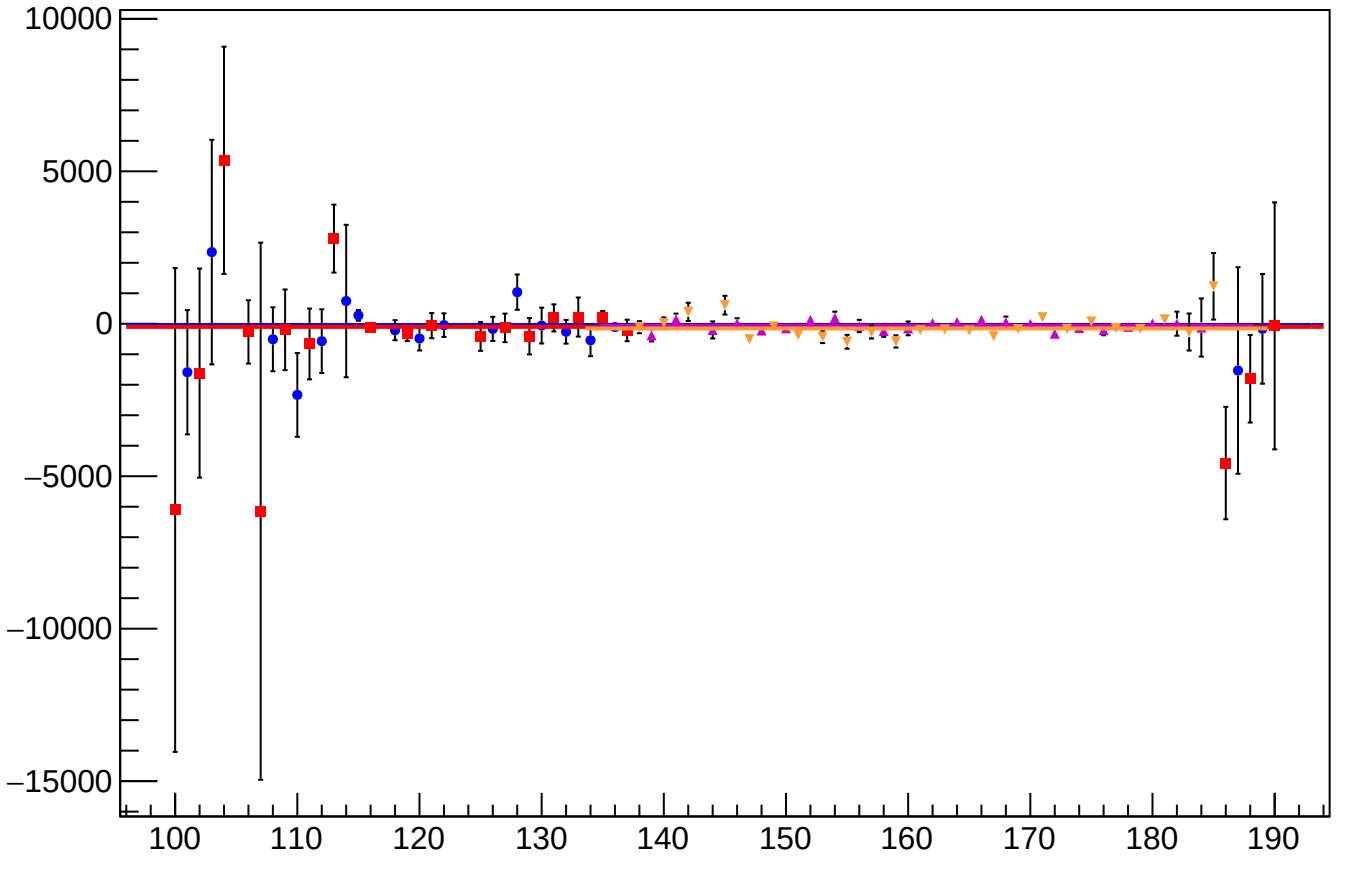
Right Out: 2323.263+/-0.553 χ^2/NDF: 172261.0/20

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2210.255+/-0.305 χ^2/NDF: 547847.5/41

All: 2217.205+/-0.215 χ^2/NDF: 768872.4/85

- sign 2224.009+/-0.302 χ^2/NDF: 219997.6/43



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: -102.208+/-85.821 χ^2/NDF: 22.3/20

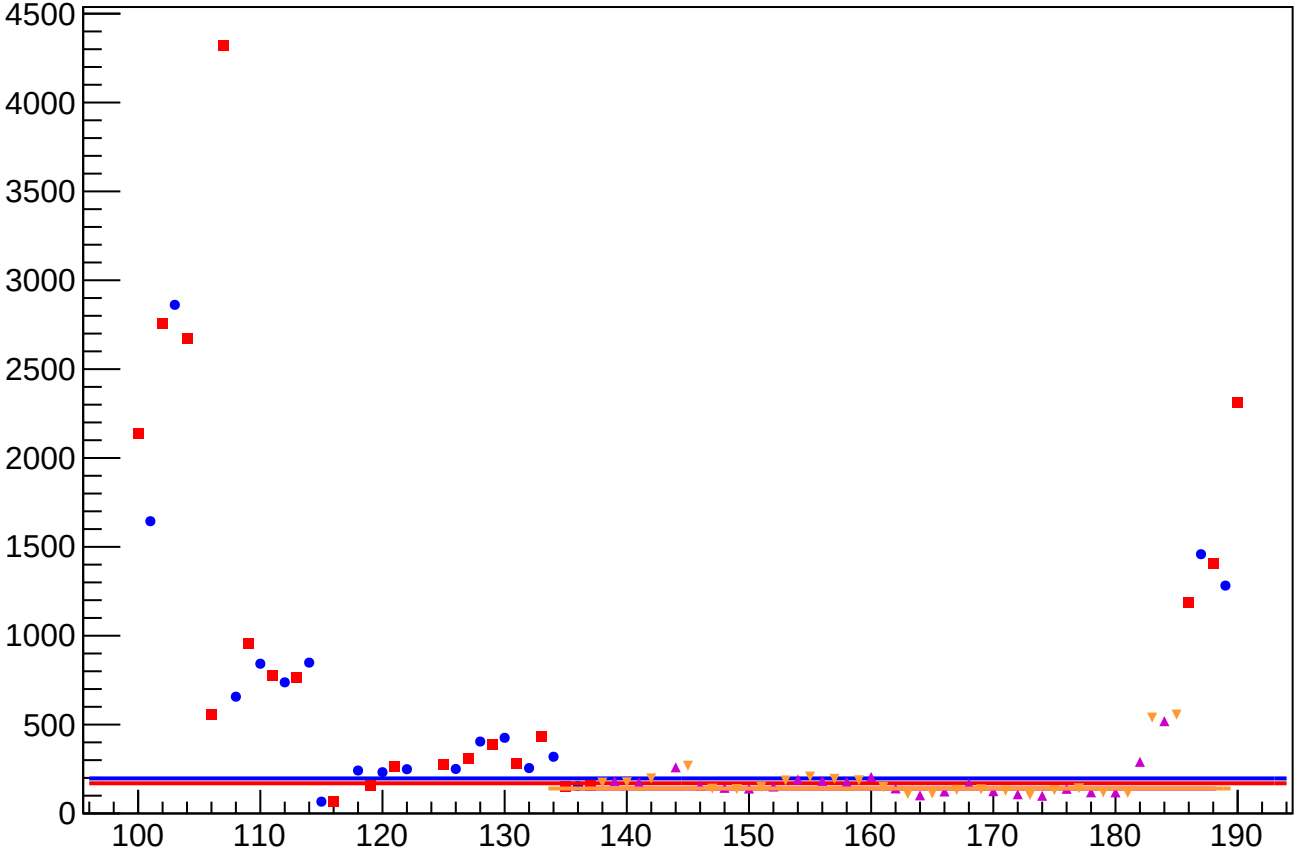
Left In: -70.142+/-34.204 χ^2/NDF:18.9/22

+ sign -141.149+/-31.952 χ^2/NDF: 62.9/41

All: -107.656+/-22.530 χ^2/NDF: 106.4/85

- sign -74.537+/-31.774 χ^2/NDF: 41.3/43

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

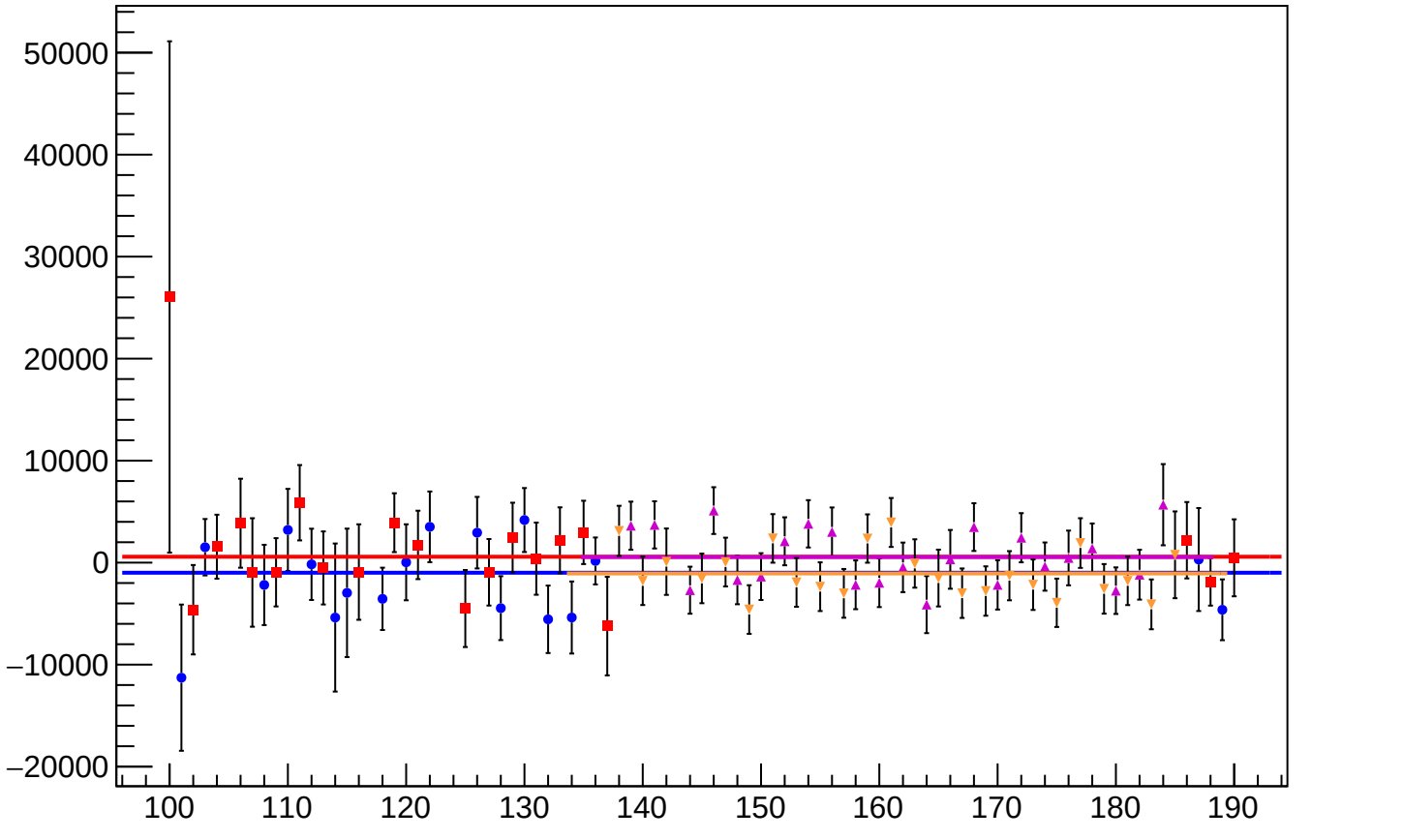
Right Out: 169.727+/-0.061 χ^2/NDF: 9728071.2/20

Left In: 139.979+/-0.024 χ^2/NDF:2412455.4/22

+ sign 147.125+/-0.023 χ^2/NDF: 10051540.6/41

All: 145.582+/-0.016 χ^2/NDF: 22408704.9/85

- sign 144.056+/-0.022 χ^2/NDF: 12347889.3/43



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: 579.766+/-781.963 χ^2/NDF: 13.6/20

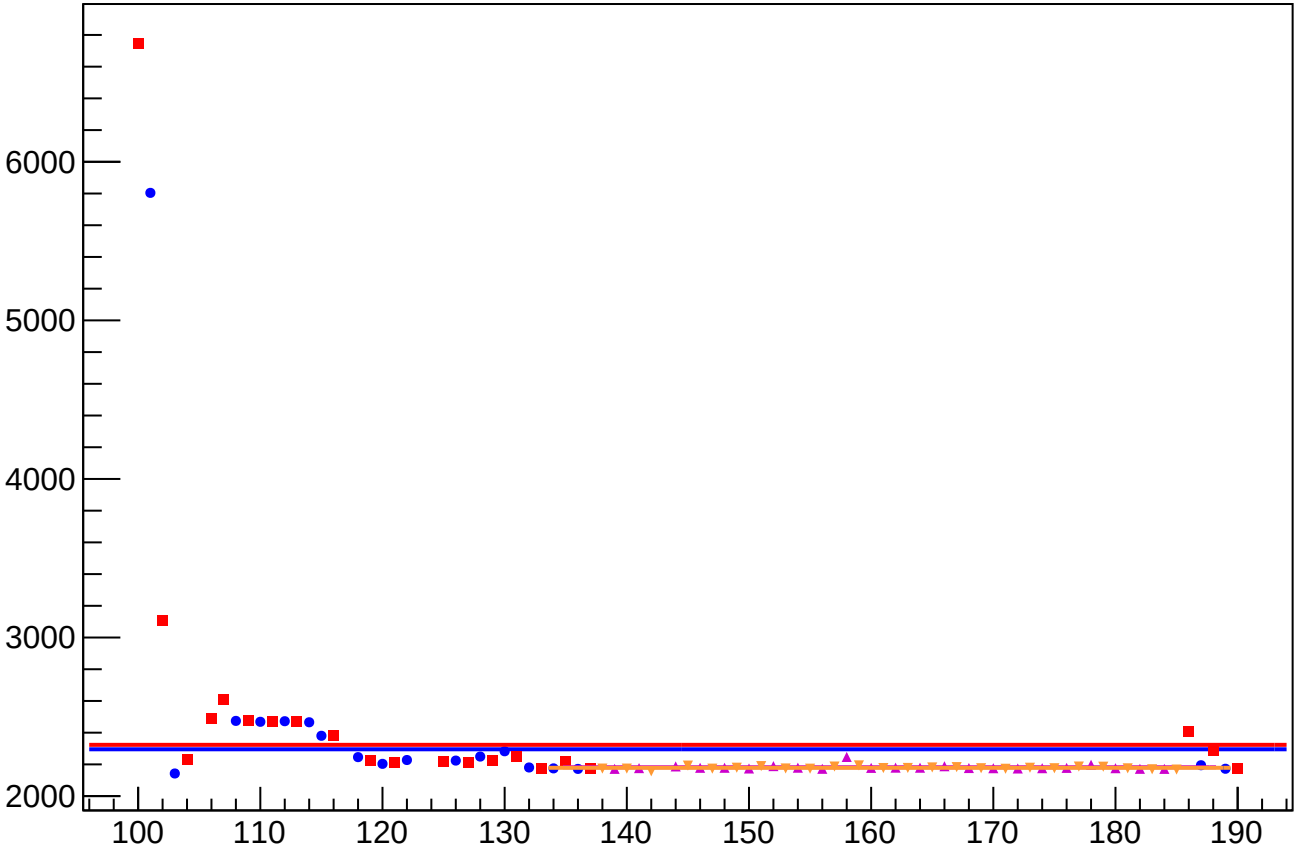
Left In: 544.259+/-509.433 χ^2/NDF:27.9/22

+ sign -1042.713+/-431.385 χ^2/NDF: 39.4/41

All: -235.480+/-303.416 χ^2/NDF: 87.8/85

- sign 554.839+/-426.842 χ^2/NDF: 41.5/43

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

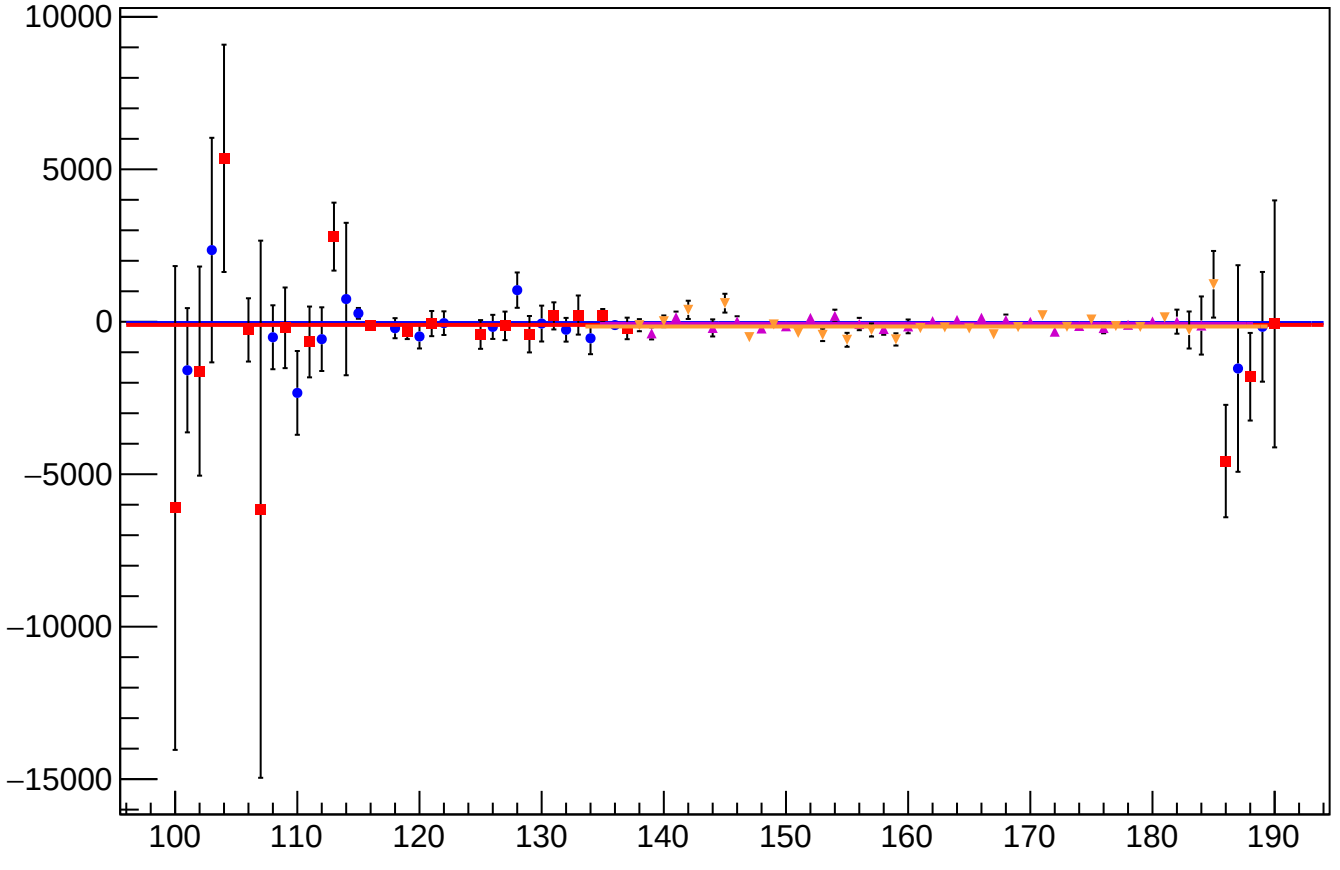
Right Out: 2323.263+/-0.553 χ^2/NDF: 172260.9/20

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2210.255+/-0.305 χ^2/NDF: 547847.6/41

All: 2217.205+/-0.215 χ^2/NDF: 768872.3/85

- sign 2224.009+/-0.302 χ^2/NDF: 219997.5/43



Right In: -41.551+/-92.252 χ^2/NDF: 14.3/17

Left Out: -154.726+/-34.061 χ^2/NDF:47.3/23

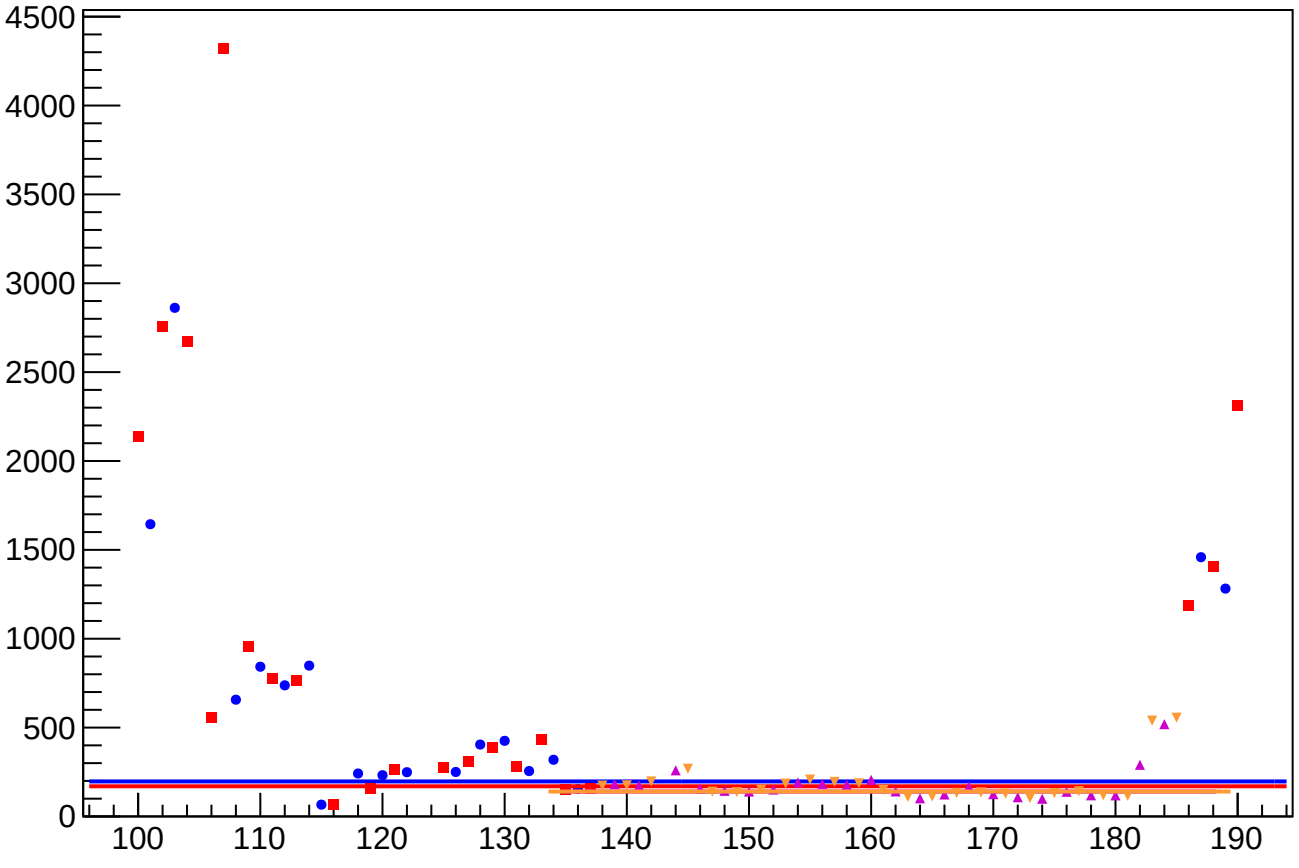
Right Out: -102.208+/-85.820 χ^2/NDF: 22.3/20

Left In: -70.141+/-34.204 χ^2/NDF:18.9/22

+ sign -141.149+/-31.952 χ^2/NDF: 62.9/41

All: -107.656+/-22.530 χ^2/NDF: 106.4/85

- sign -74.536+/-31.774 χ^2/NDF: 41.3/43



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: 169.724+/-0.061 χ^2/NDF: 9728139.2/20

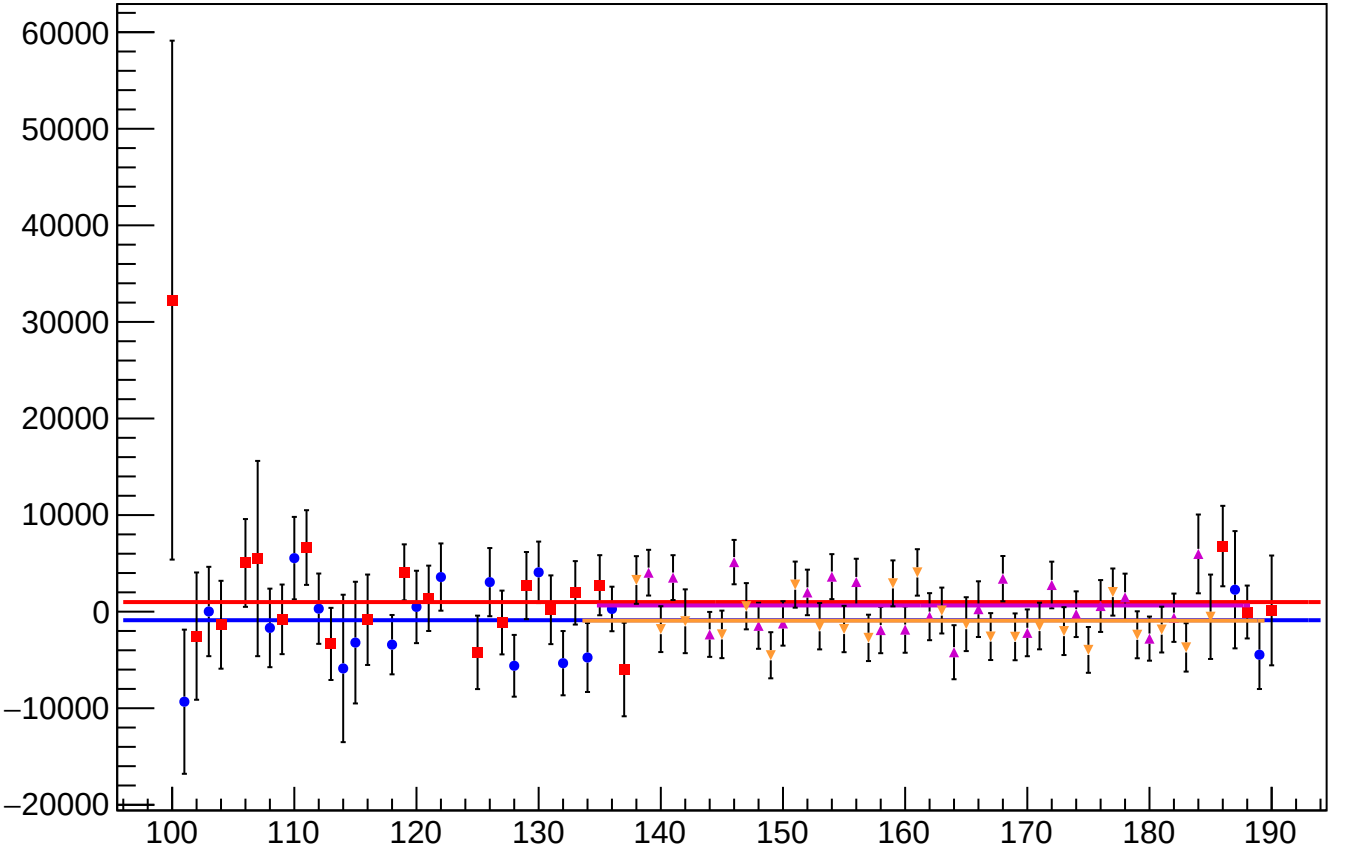
Left In: 139.979+/-0.024 χ^2/NDF:2412509.5/22

+ sign 147.125+/-0.023 χ^2/NDF: 10051525.0/41

All: 145.582+/-0.016 χ^2/NDF: 22408780.9/85

- sign 144.056+/-0.022 χ^2/NDF: 12347979.3/43

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: 991.747+/-850.827 χ^2/NDF: 15.1/20

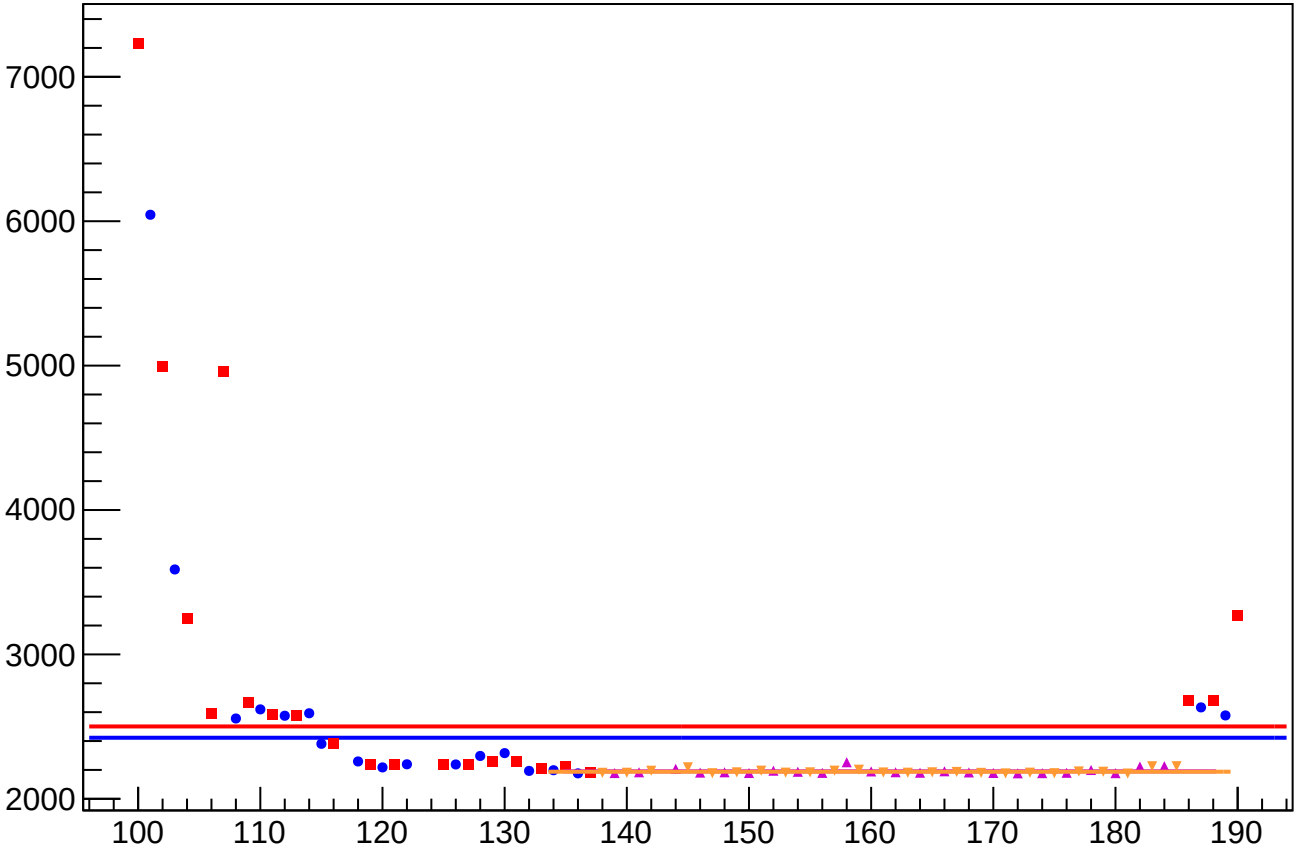
Left In: 642.773+/-511.372 χ^2/NDF:27.0/22

+ sign -920.487+/-439.498 χ^2/NDF: 39.5/41

All: -90.291+/-310.347 χ^2/NDF: 88.8/85

- sign 735.381+/-438.299 χ^2/NDF: 42.2/43

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

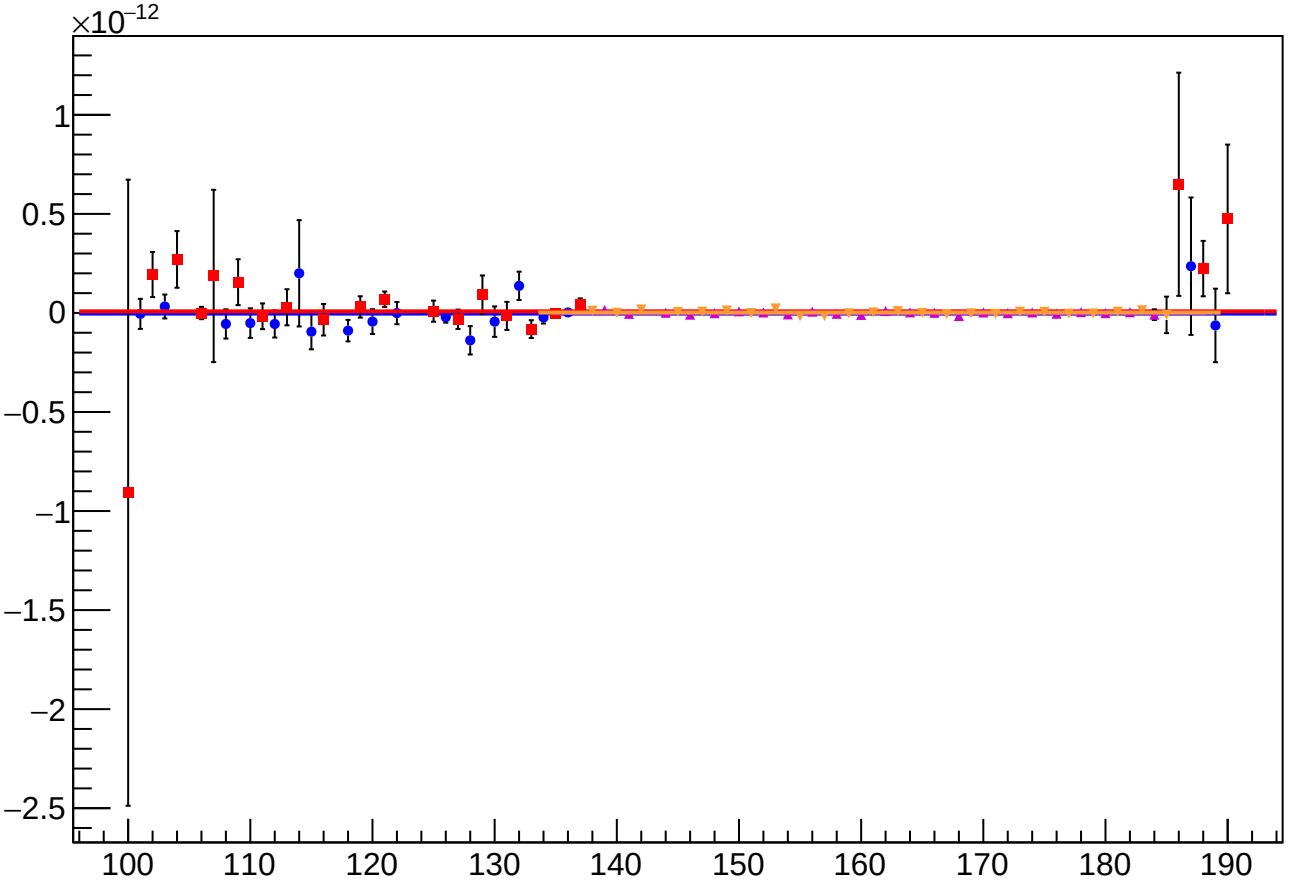
Right Out: 2501.113+/-0.602 χ^2/NDF: 688006.5/20

Left In: 2190.163+/-0.362 χ^2/NDF:2542.8/22

+ sign 2246.594+/-0.311 χ^2/NDF: 792608.4/41

All: 2259.673+/-0.219 χ^2/NDF: 1682934.9/85

- sign 2272.682+/-0.310 χ^2/NDF: 886793.4/43



Right In: -0.000+/-0.000 χ^2/NDF: 16.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:19.4/23

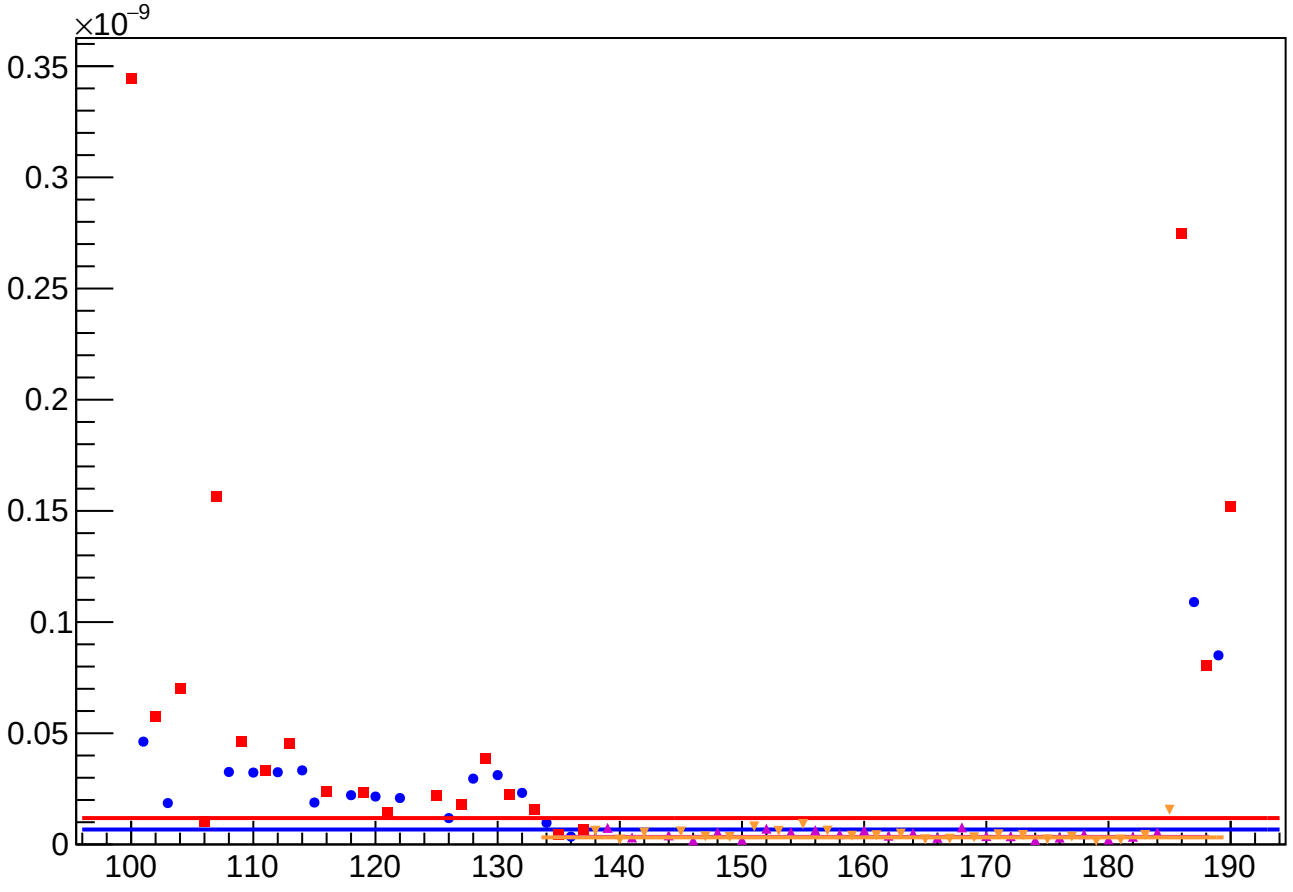
Right Out: 0.000+/-0.000 χ^2/NDF: 24.1/20

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: 74.6/85

- sign 0.000+/-0.000 χ^2/NDF: 38.1/43



Right In: 0.000+/-0.000 χ^2/NDF: 3388137.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:2065501.9/23

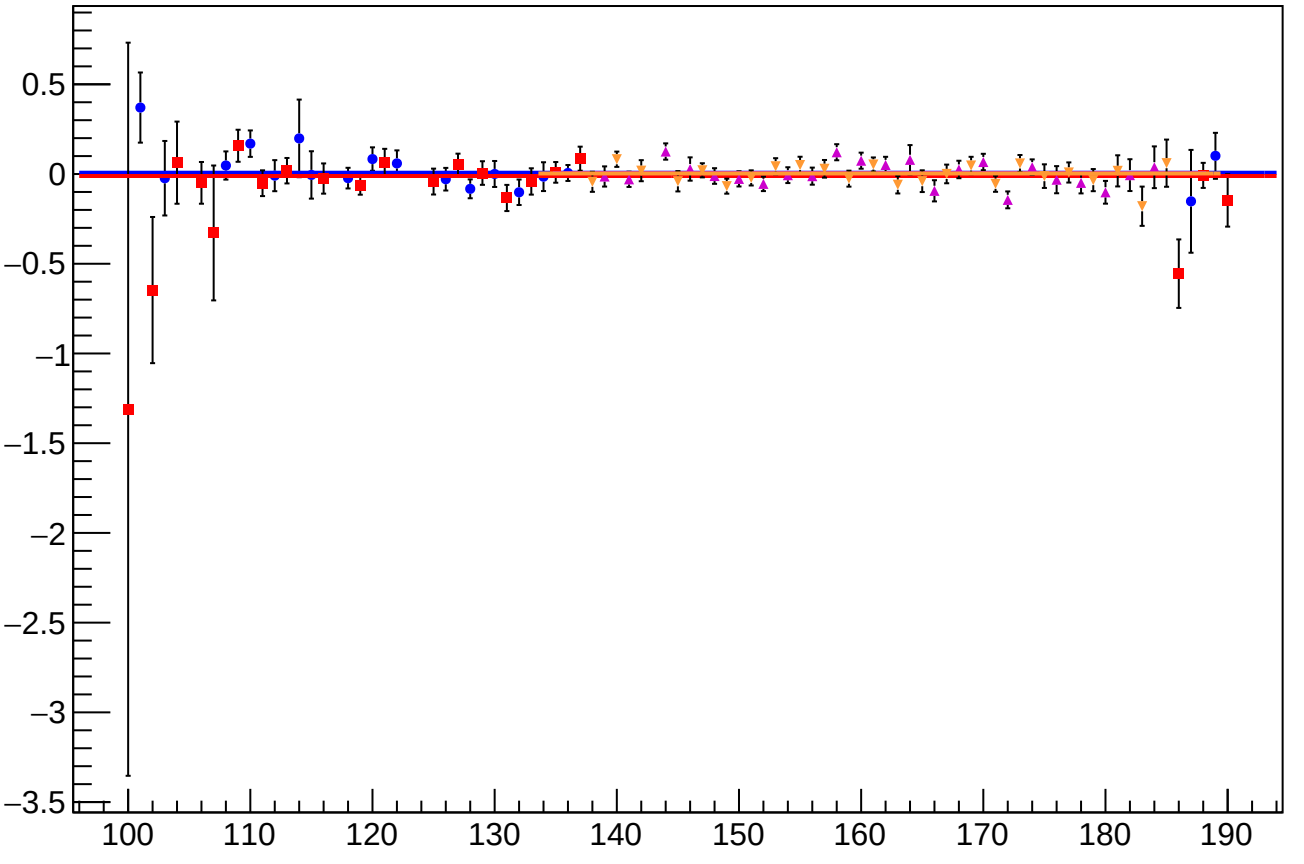
Right Out: 0.000+/-0.000 χ^2/NDF: 3900727.2/20

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: 13156994.4/85

- sign 0.000+/-0.000 χ^2/NDF: 7074957.1/43



Right In: 0.007+/-0.018 χ^2/NDF: 18.1/17

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

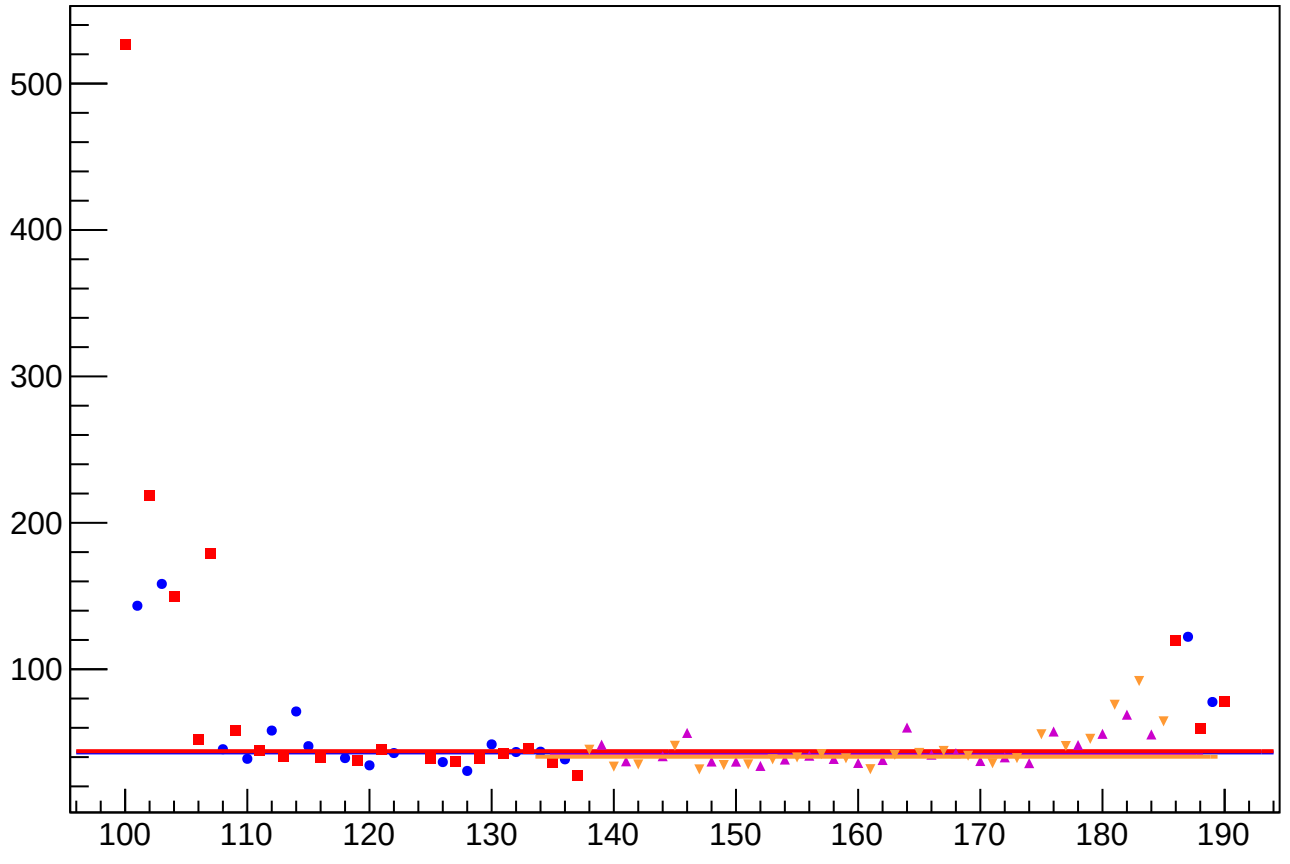
Right Out: -0.011+/-0.018 χ^2/NDF: 25.4/20

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: 107.5/85

- sign 0.001+/-0.009 χ^2/NDF: 67.5/43



Right In: 43.186+/-0.013 χ^2/NDF: 1757270.0/17

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

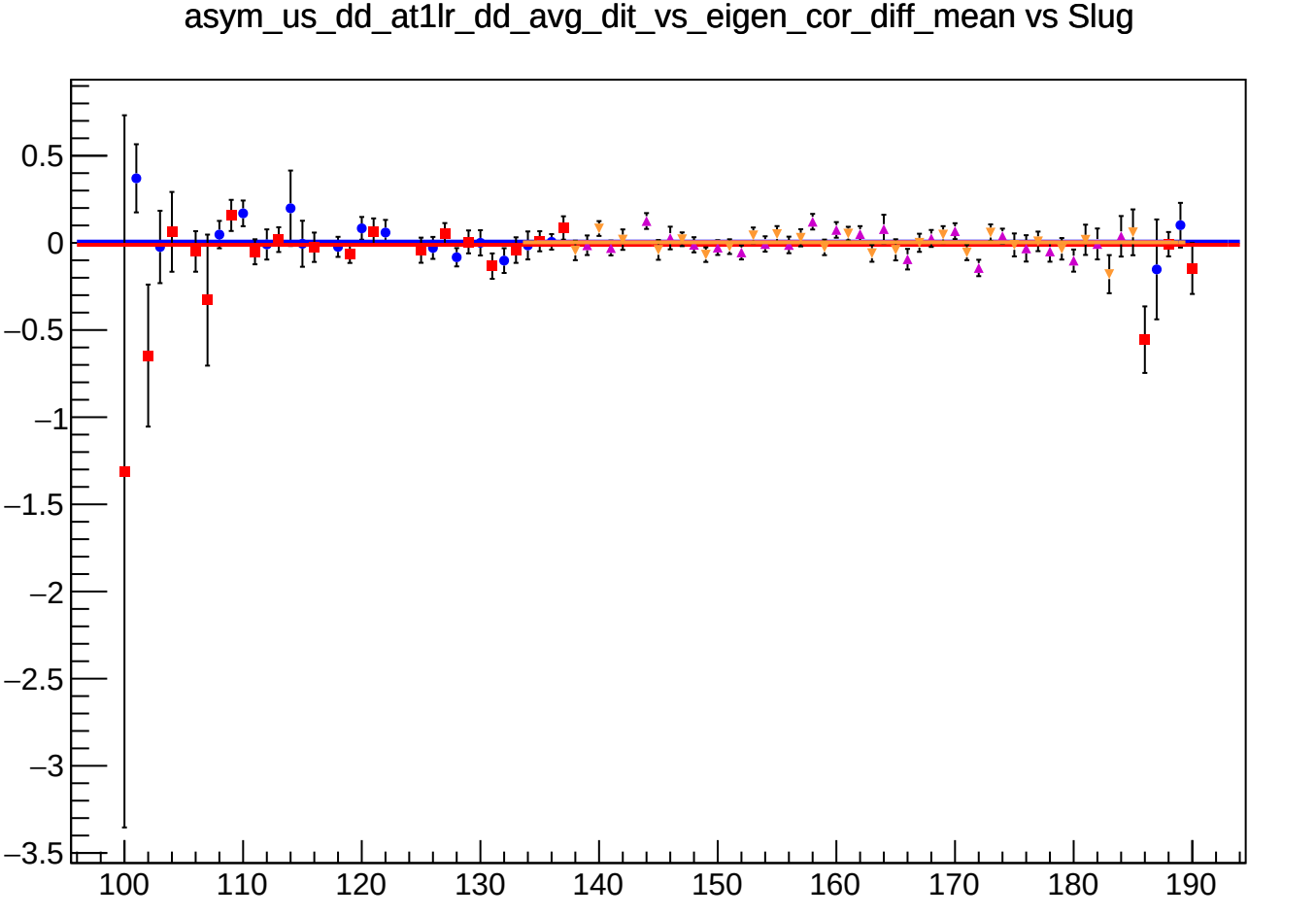
Right Out: 44.042+/-0.013 χ^2/NDF: 1991234.5/20

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

+ sign 40.999+/-0.006 χ^2/NDF: 3285422.6/41

All: 41.424+/-0.005 χ^2/NDF: 6253569.6/85

- sign 41.856+/-0.006 χ^2/NDF: 2959151.0/43



Right In: 0.007+/-0.018 χ^2/NDF: 18.1/17

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

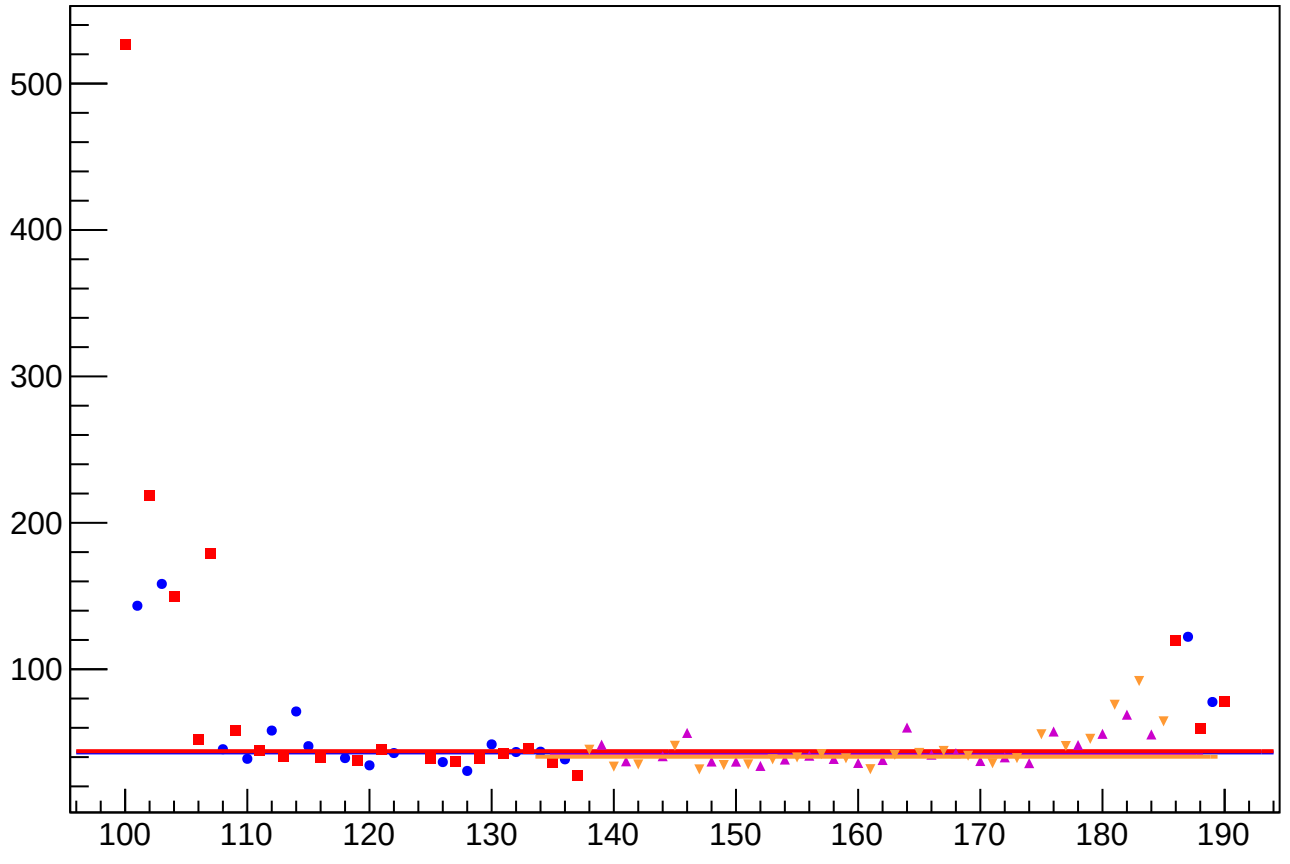
Right Out: -0.011+/-0.018 χ^2/NDF: 25.4/20

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: 107.5/85

- sign 0.001+/-0.009 χ^2/NDF: 67.5/43



Right In: 43.186+/-0.013 χ^2/NDF: 1757270.0/17

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

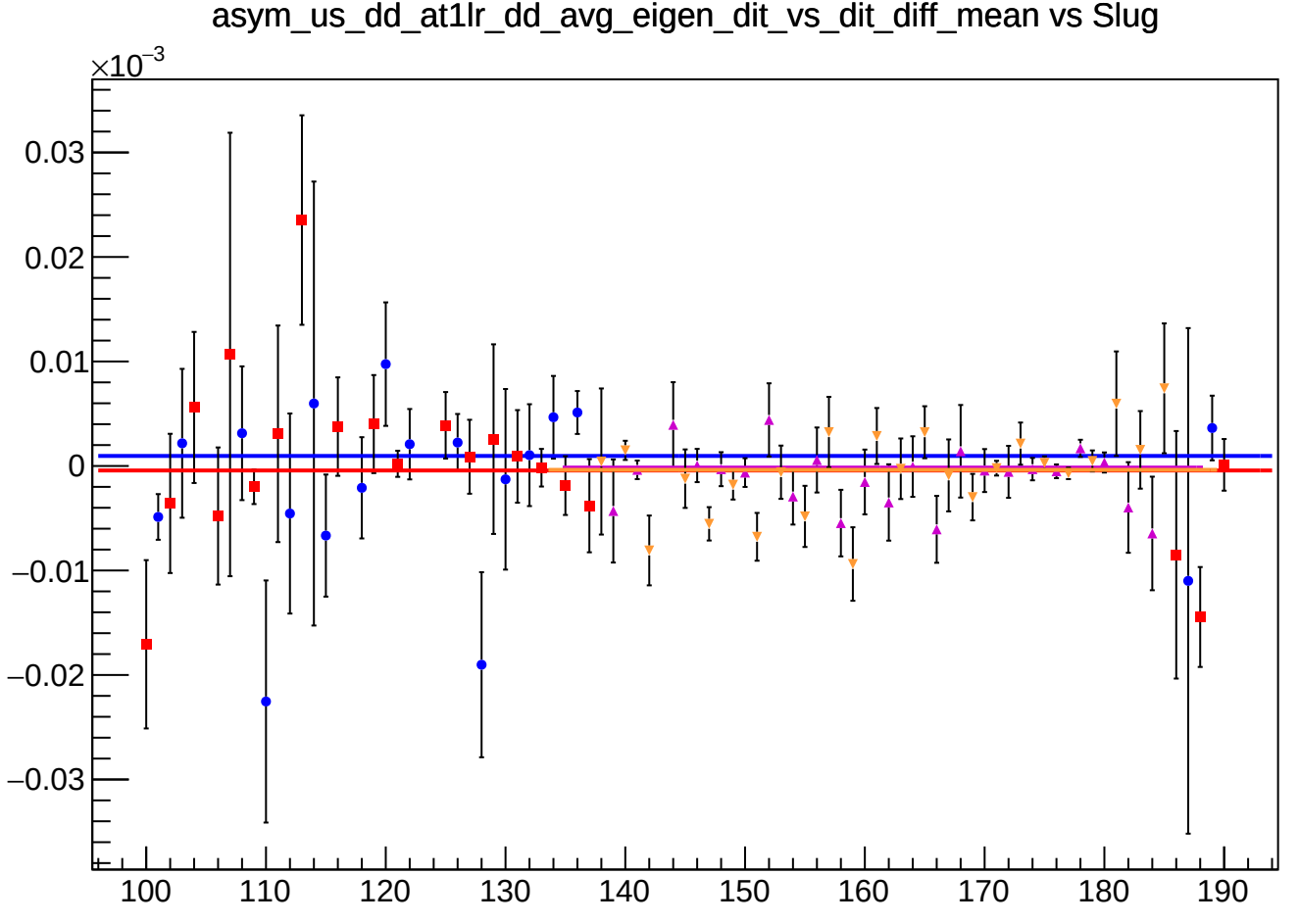
Right Out: 44.042+/-0.013 χ^2/NDF: 1991234.5/20

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

+ sign 40.999+/-0.006 χ^2/NDF: 3285422.6/41

All: 41.424+/-0.005 χ^2/NDF: 6253569.6/85

- sign 41.856+/-0.006 χ^2/NDF: 2959151.0/43



Right In: 0.000+/-0.000 χ^2/NDF: 27.5/17

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

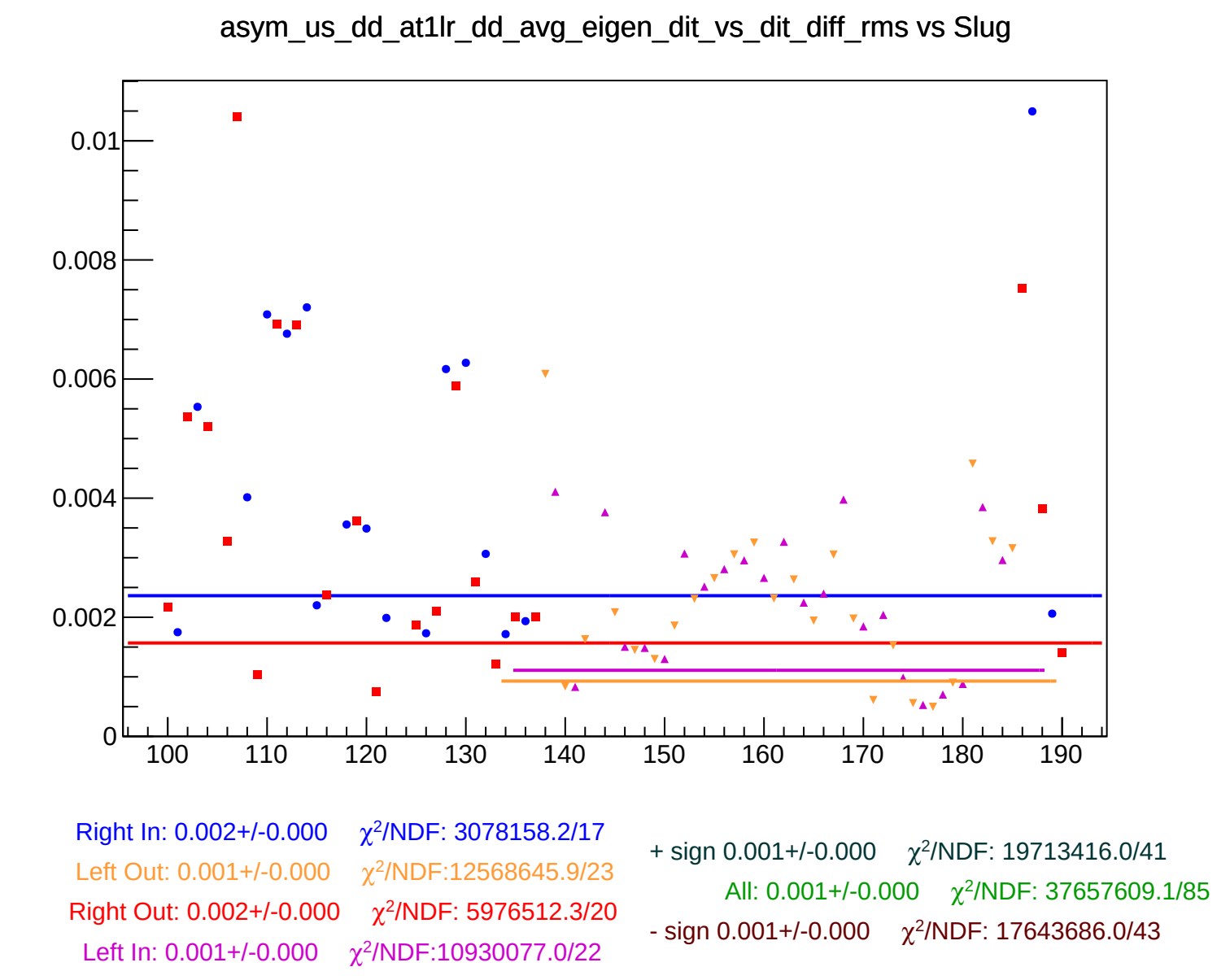
Right Out: -0.000+/-0.000 χ^2/NDF: 26.7/20

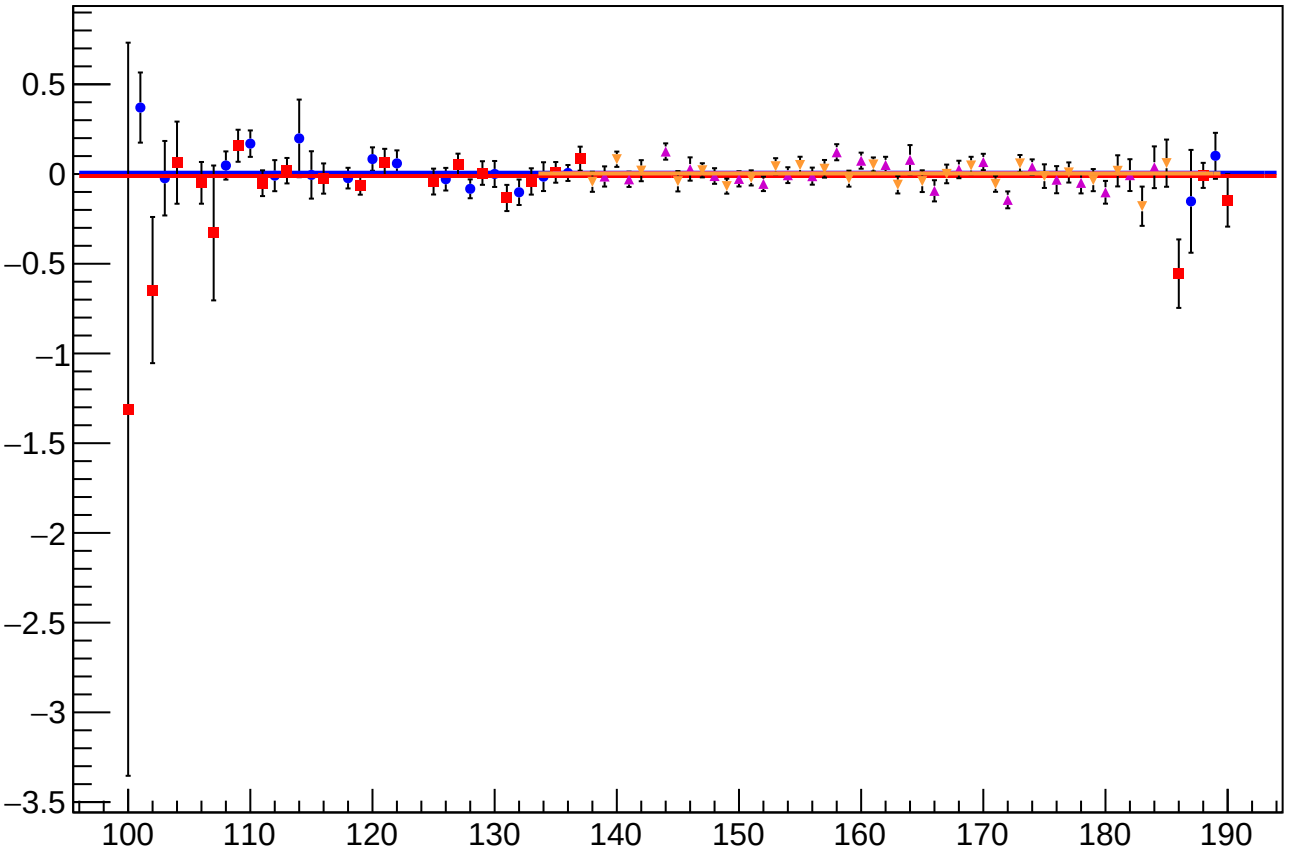
Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 80.5/41

All: -0.000+/-0.000 χ^2/NDF: 127.2/85

- sign -0.000+/-0.000 χ^2/NDF: 46.7/43


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: 5976512.3/20
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: 37657609.1/85
- sign 0.001+/-0.000 χ²/NDF: 17643686.0/43



Right In: 0.007+/-0.018 χ^2/NDF: 18.1/17

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

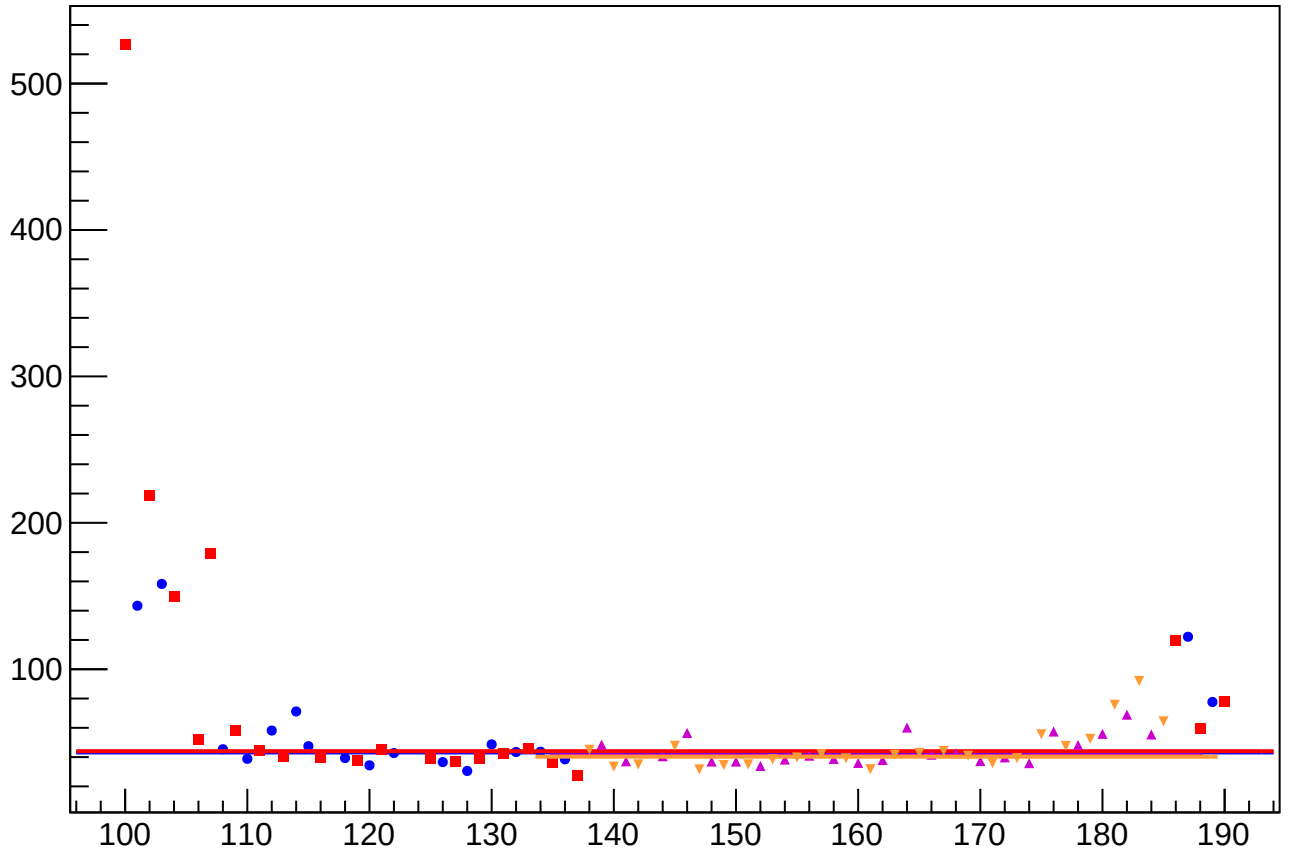
Right Out: -0.011+/-0.018 χ^2/NDF: 25.4/20

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: 107.5/85

- sign 0.001+/-0.009 χ^2/NDF: 67.5/43



Right In: 43.184+/-0.013 χ^2/NDF: 1757521.6/17

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

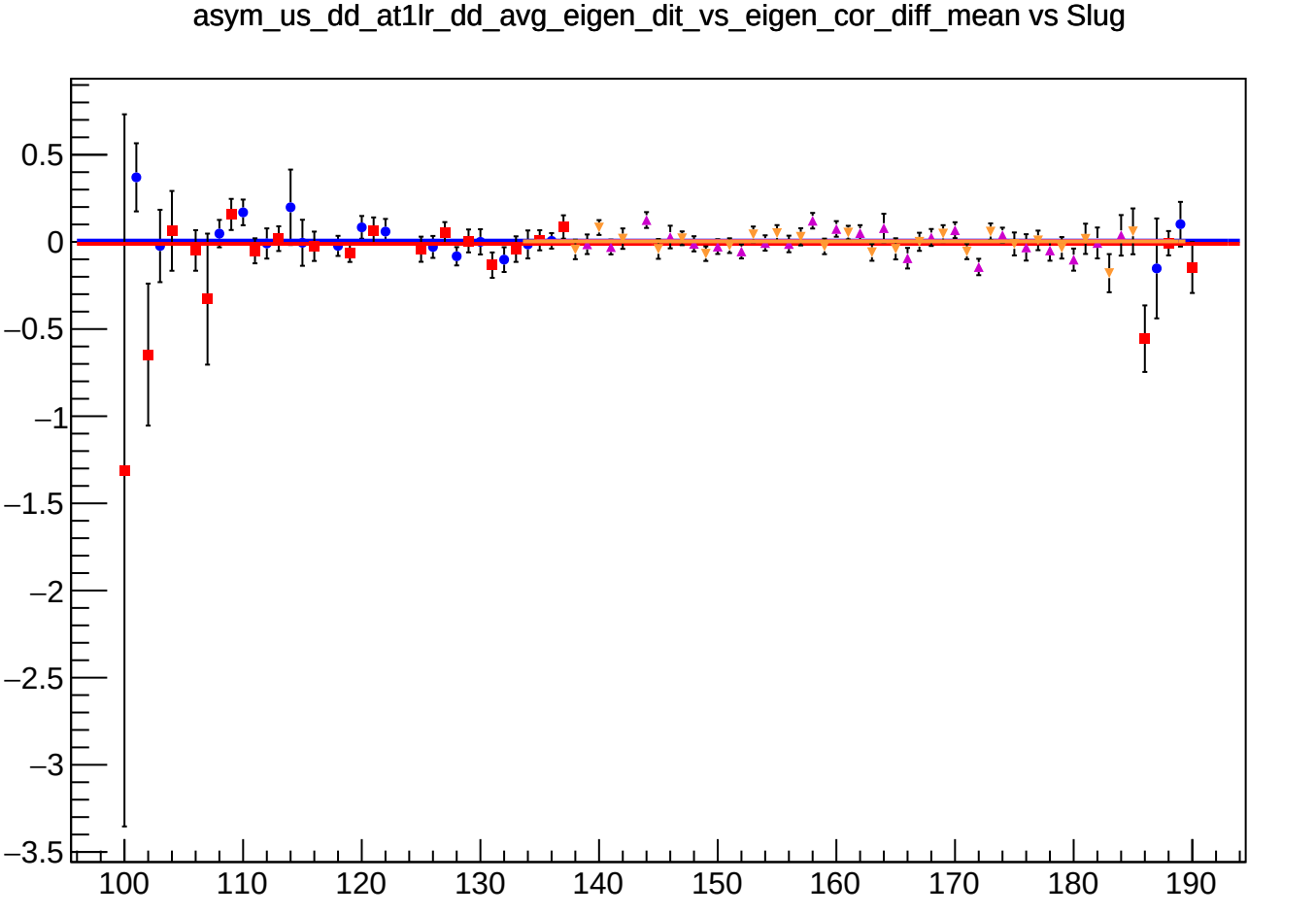
Right Out: 44.043+/-0.013 χ^2/NDF: 1991236.4/20

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

+ sign 40.999+/-0.006 χ^2/NDF: 3285590.9/41

All: 41.424+/-0.005 χ^2/NDF: 6253805.7/85

- sign 41.856+/-0.006 χ^2/NDF: 2959205.5/43



Right In: 0.007+/-0.018 χ^2/NDF: 18.1/17

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

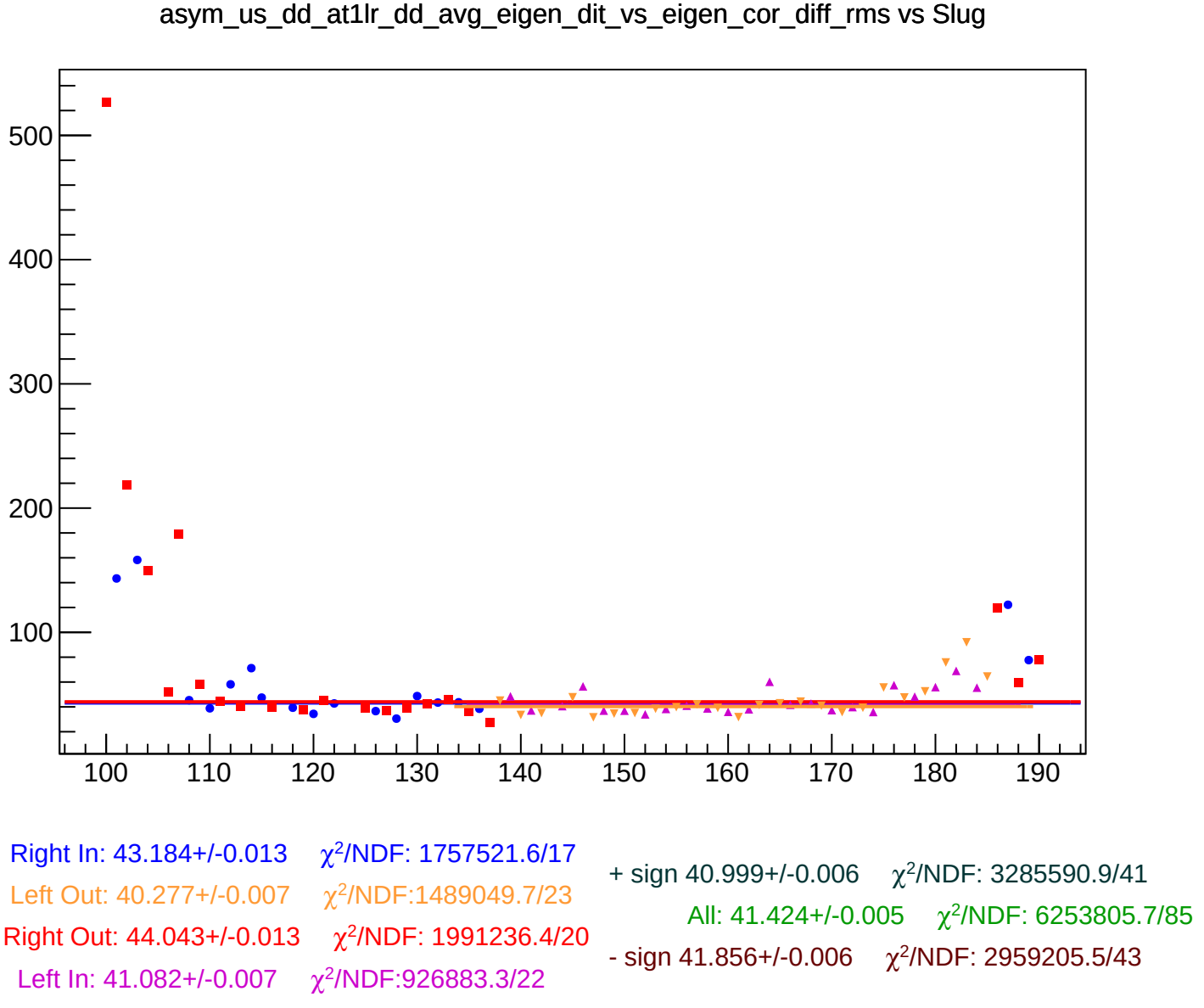
Right Out: -0.011+/-0.018 χ^2/NDF: 25.4/20

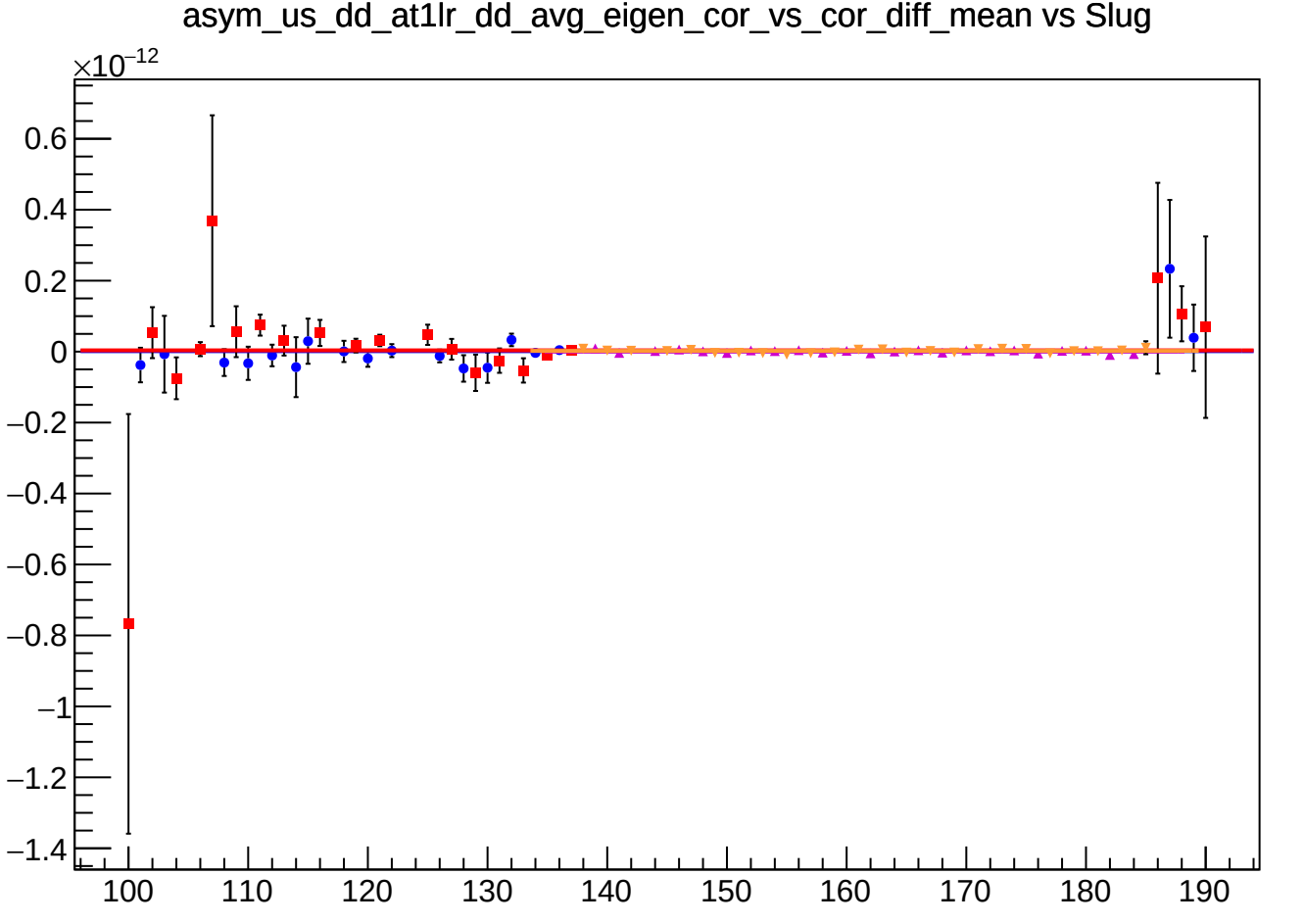
Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

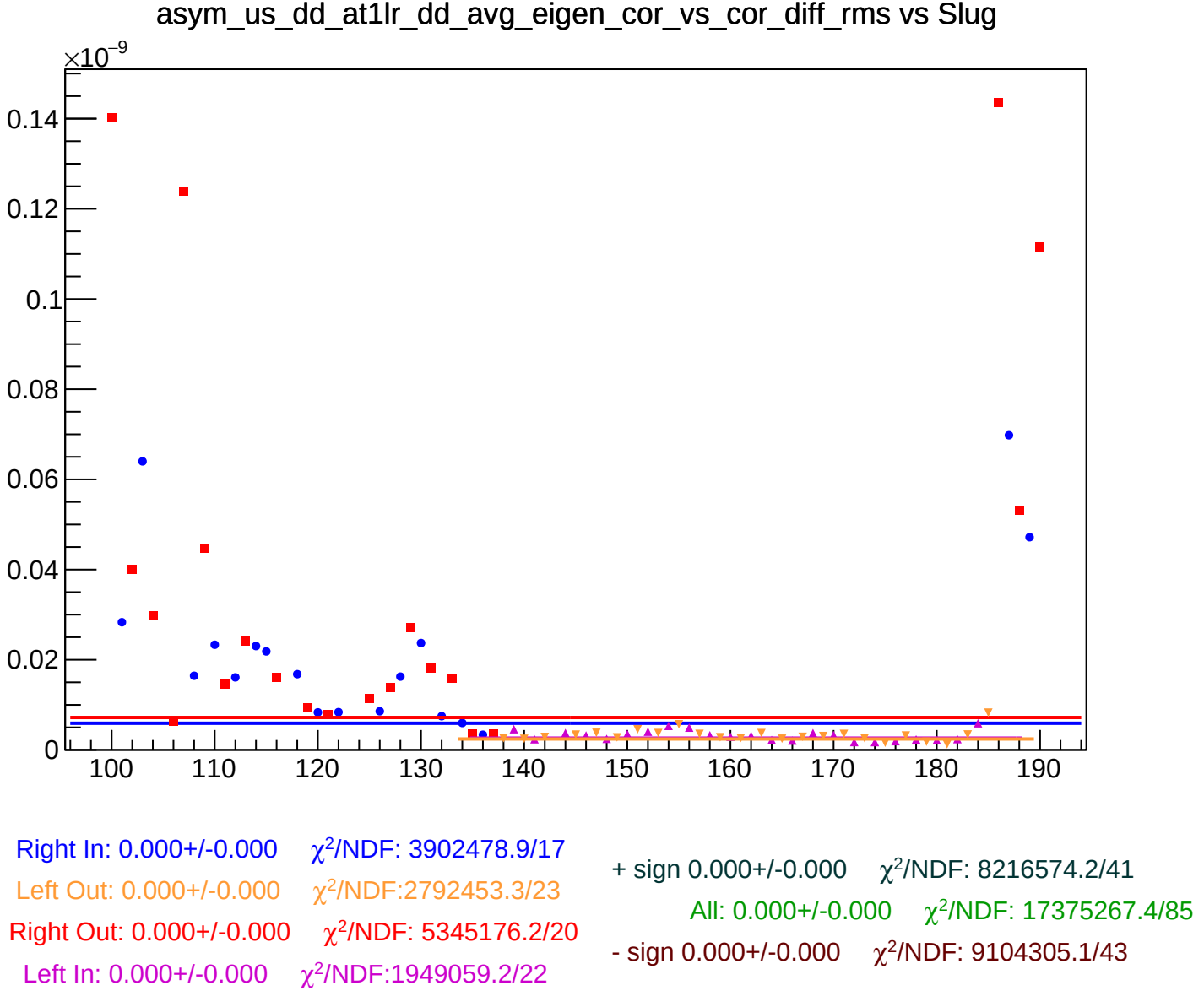
+ sign 0.004+/-0.009 χ^2/NDF: 40.0/41

All: 0.003+/-0.006 χ^2/NDF: 107.5/85

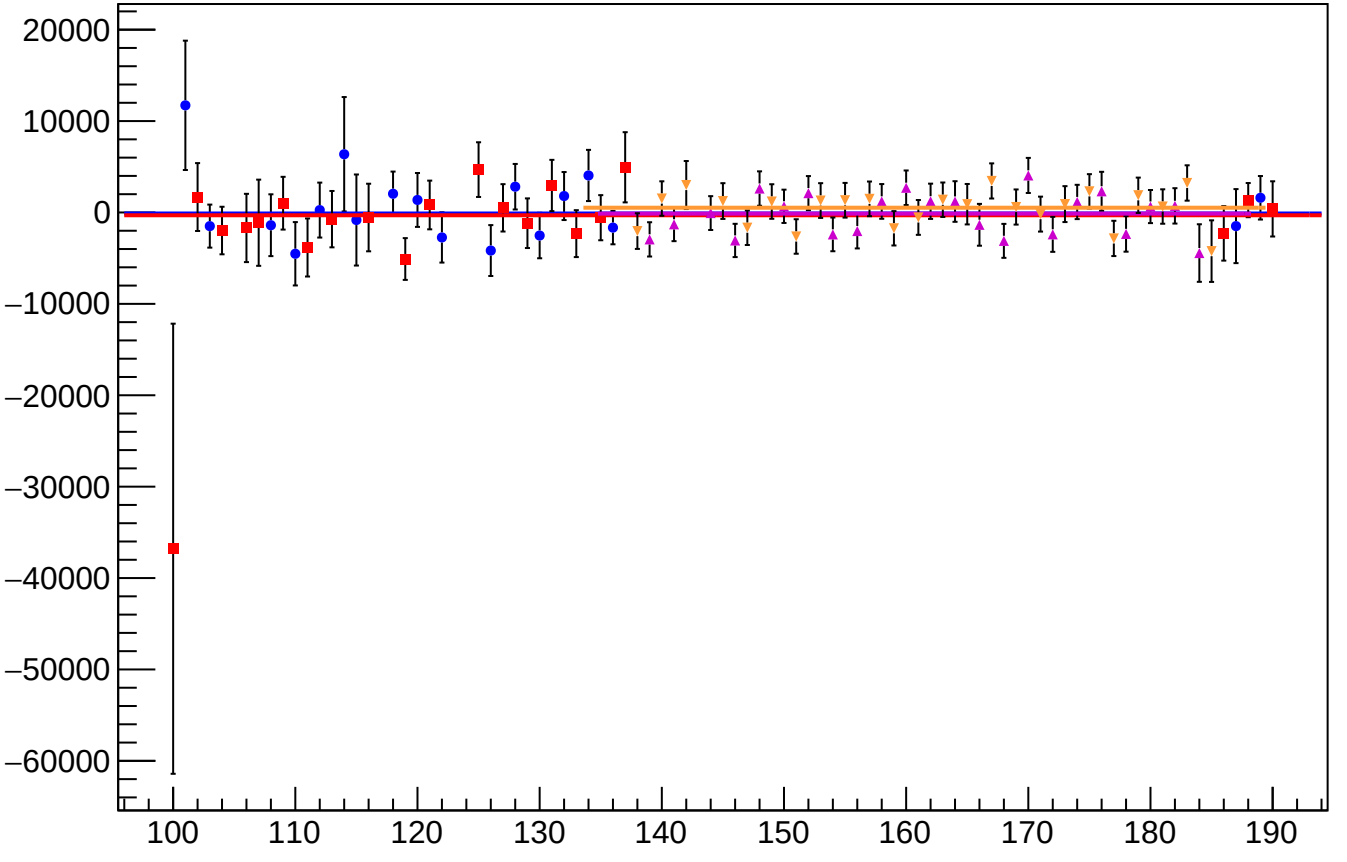
- sign 0.001+/-0.009 χ^2/NDF: 67.5/43


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: 44.043+/-0.013 χ²/NDF: 1991236.4/20
Left In: 41.082+/-0.007 χ²/NDF:926883.3/22
+ sign 40.999+/-0.006 χ²/NDF: 3285590.9/41
All: 41.424+/-0.005 χ²/NDF: 6253805.7/85
- sign 41.856+/-0.006 χ²/NDF: 2959205.5/43


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: 31.2/20
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: 94.0/85
- sign 0.000+/-0.000 χ²/NDF: 54.8/43


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: 5345176.2/20
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: 17375267.4/85
- sign 0.000+/-0.000 χ²/NDF: 9104305.1/43

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: -306.310+/-634.545 χ^2/NDF: 17.2/20

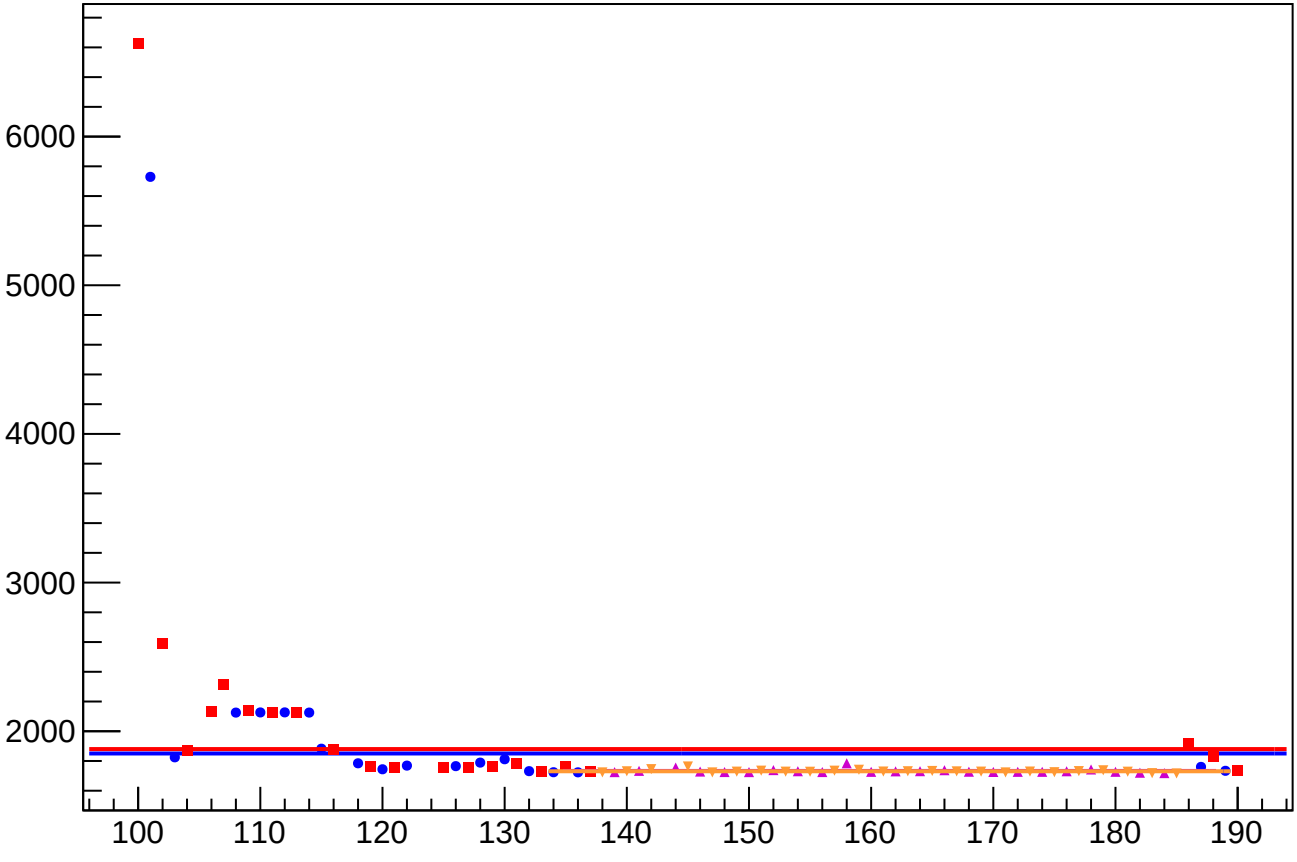
Left In: -126.031+/-404.630 χ^2/NDF:29.5/22

+ sign 352.750+/-344.560 χ^2/NDF: 37.9/41

All: 84.677+/-242.433 χ^2/NDF: 85.8/85

- sign -178.145+/-341.169 χ^2/NDF: 46.7/43

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

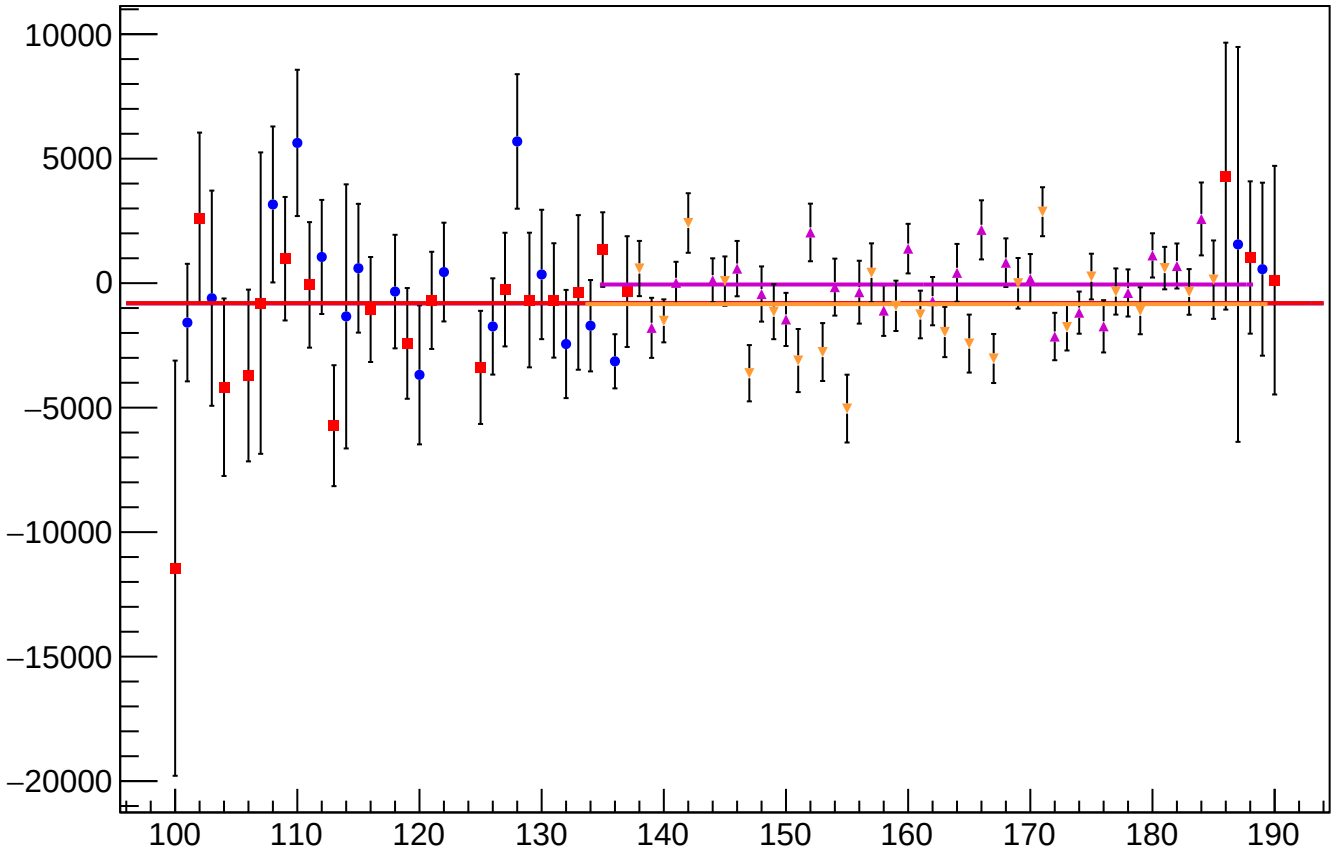
Right Out: 1880.143+/-0.449 χ^2/NDF: 258240.9/20

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1762.459+/-0.244 χ^2/NDF: 728975.9/41

All: 1769.065+/-0.171 χ^2/NDF: 1067357.8/85

- sign 1775.541+/-0.241 χ^2/NDF: 336926.2/43



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: -802.453+/-566.002 χ^2/NDF: 14.3/20

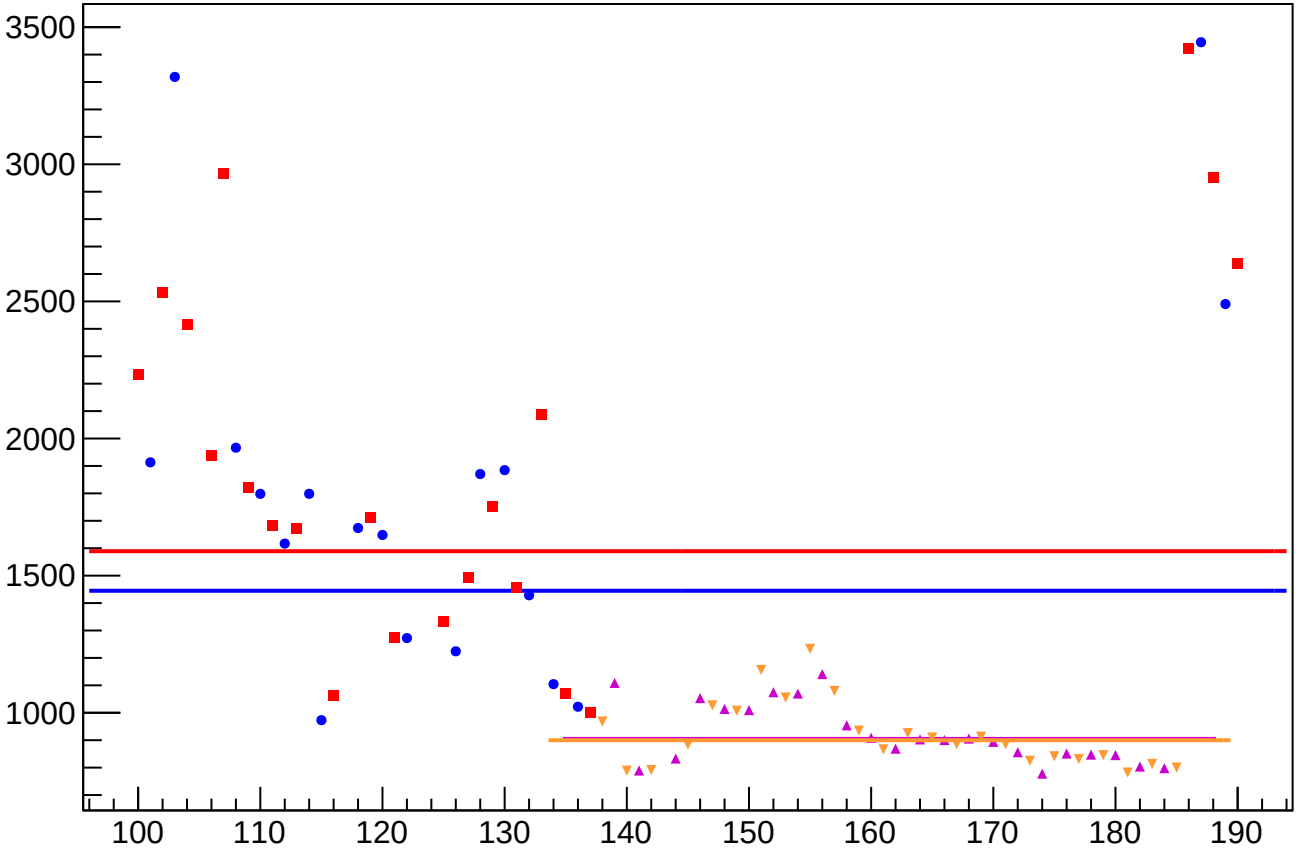
Left In: -53.905+/-212.966 χ^2/NDF:30.6/22

\+ sign -838.371+/-196.495 χ^2/NDF: 83.6/41

All: -497.496+/-139.932 χ^2/NDF: 136.1/85

\- sign -146.737+/-199.323 χ^2/NDF: 46.4/43

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs Slug



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: 1589.128+/-0.400 χ^2/NDF: 1810695.8/20

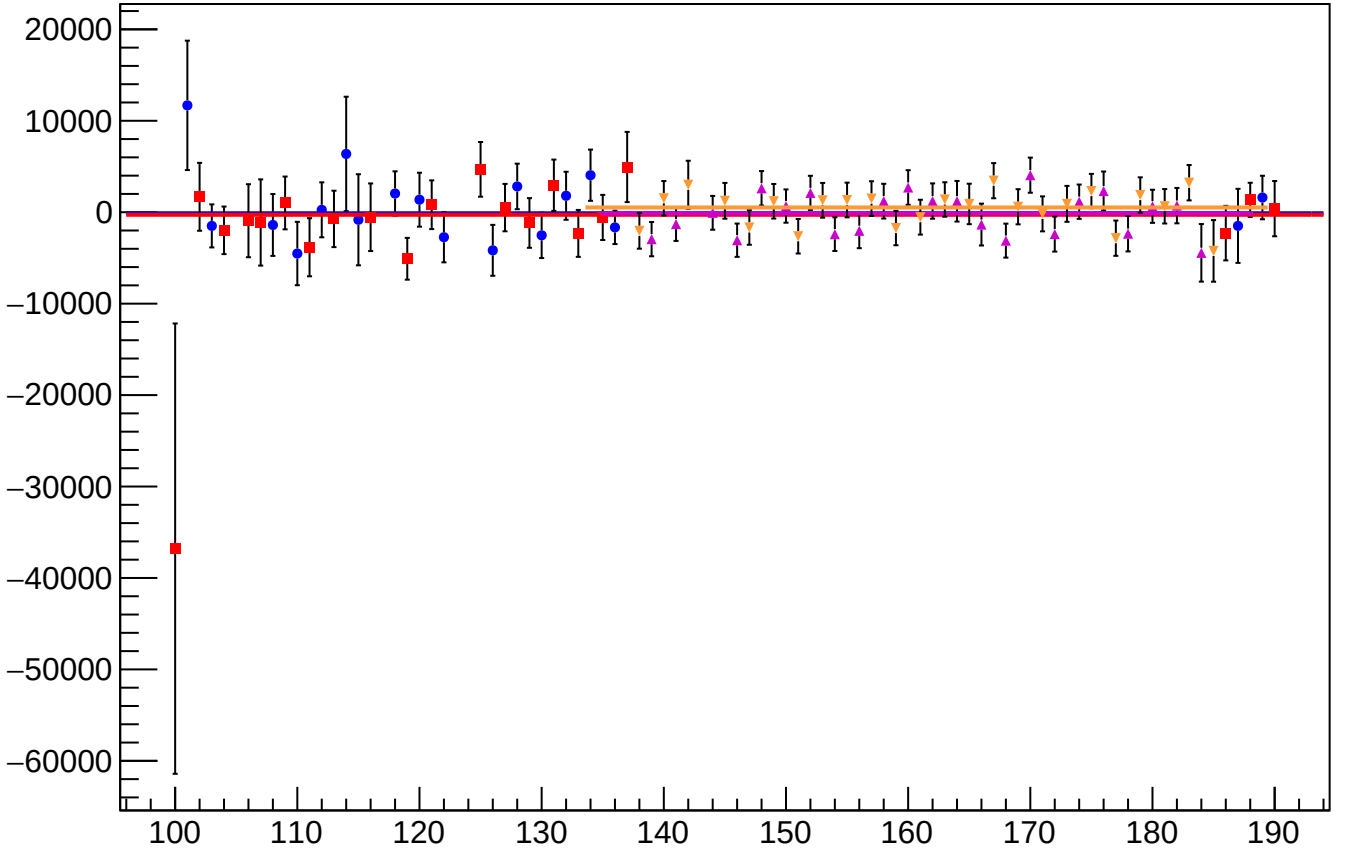
Left In: 904.656+/-0.151 χ^2/NDF:452251.7/22

+ sign 971.514+/-0.139 χ^2/NDF: 3738032.4/41

All: 980.399+/-0.099 χ^2/NDF: 8571409.3/85

- sign 989.542+/-0.141 χ^2/NDF: 4825079.8/43

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: -282.330+/-635.696 χ^2/NDF: 17.1/20

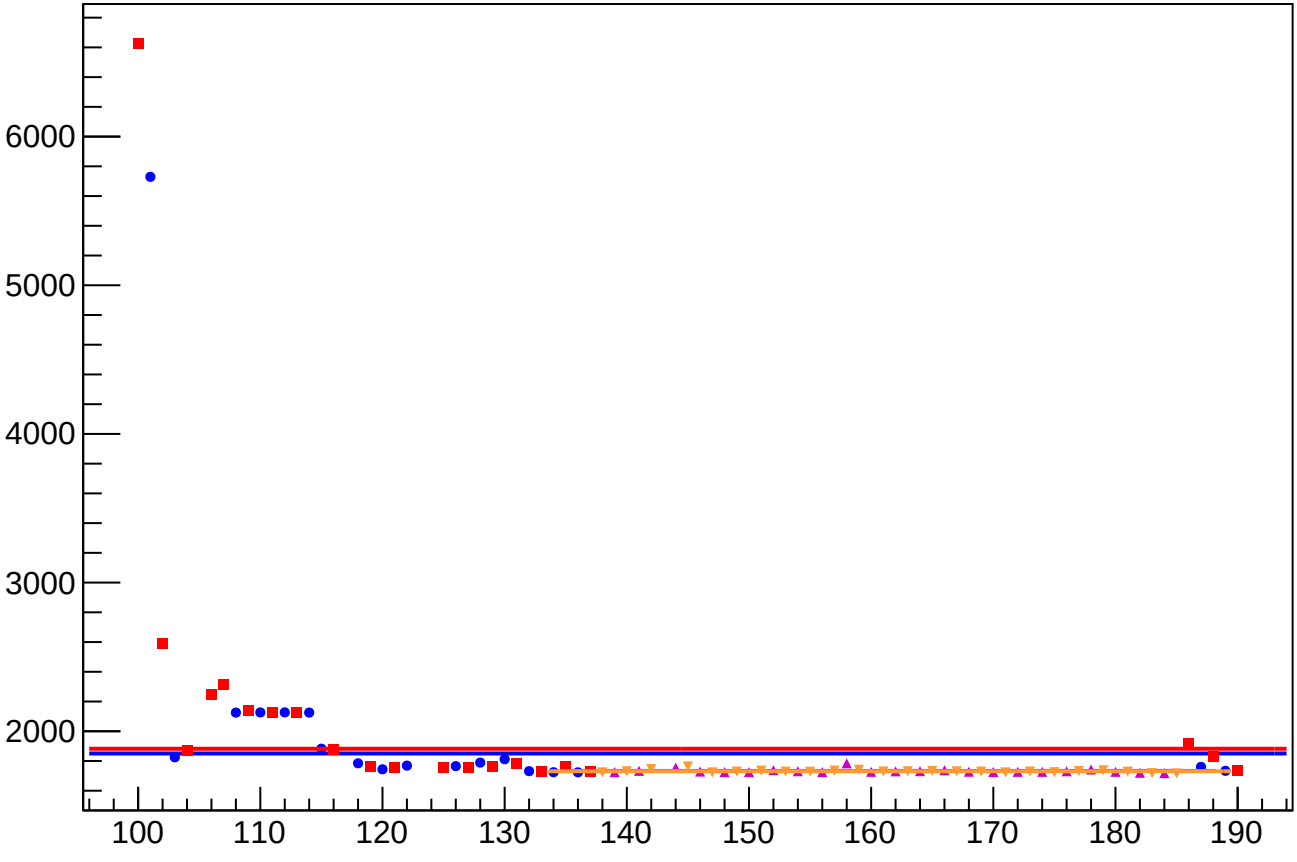
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 352.592+/-344.560 χ^2/NDF: 37.9/41

All: 88.273+/-242.497 χ^2/NDF: 85.7/85

- sign -171.140+/-341.347 χ^2/NDF: 46.6/43

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

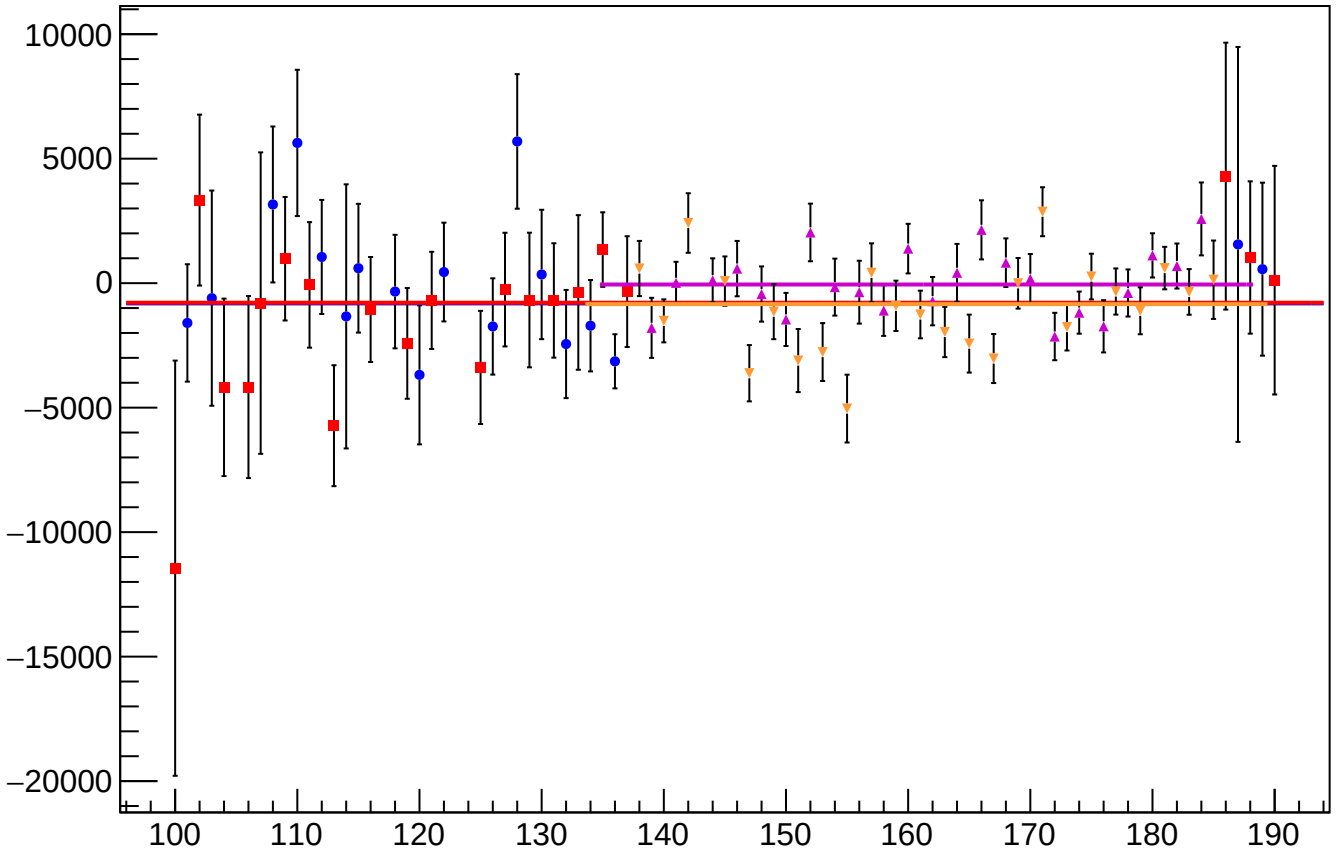
Right Out: 1882.183+/-0.450 χ^2/NDF: 266166.1/20

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1762.459+/-0.244 χ^2/NDF: 728975.8/41

All: 1769.303+/-0.171 χ^2/NDF: 1077323.2/85

- sign 1776.020+/-0.241 χ^2/NDF: 346784.1/43



Right In: -812.331+/-541.725 χ^2/NDF: 20.9/17

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

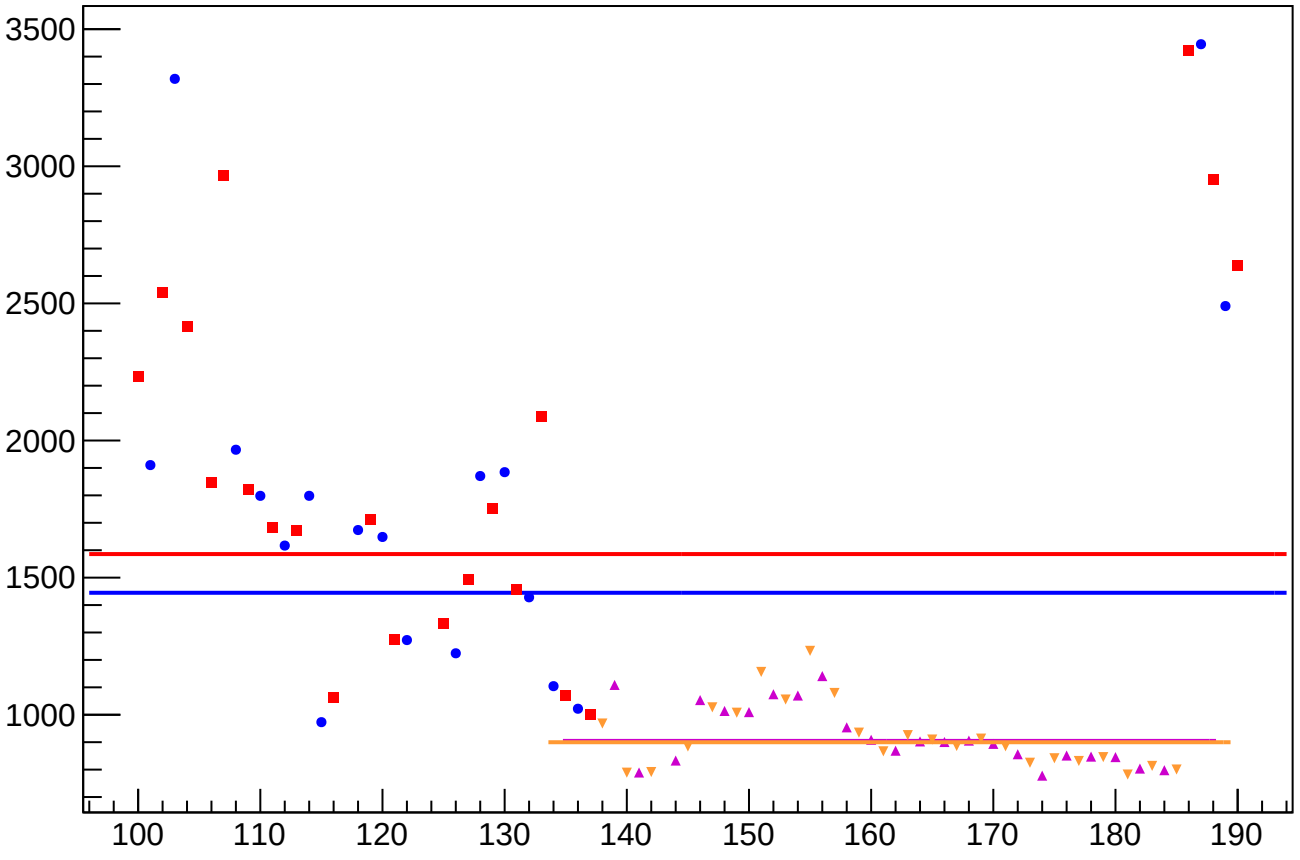
Right Out: -785.566+/-566.839 χ^2/NDF: 14.9/20

Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

\+ sign -838.507+/-196.493 χ^2/NDF: 83.6/41

All: -496.492+/-139.944 χ^2/NDF: 136.7/85

\- sign -144.428+/-199.359 χ^2/NDF: 47.0/43



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: 1585.959+/-0.401 χ^2/NDF: 1801691.1/20

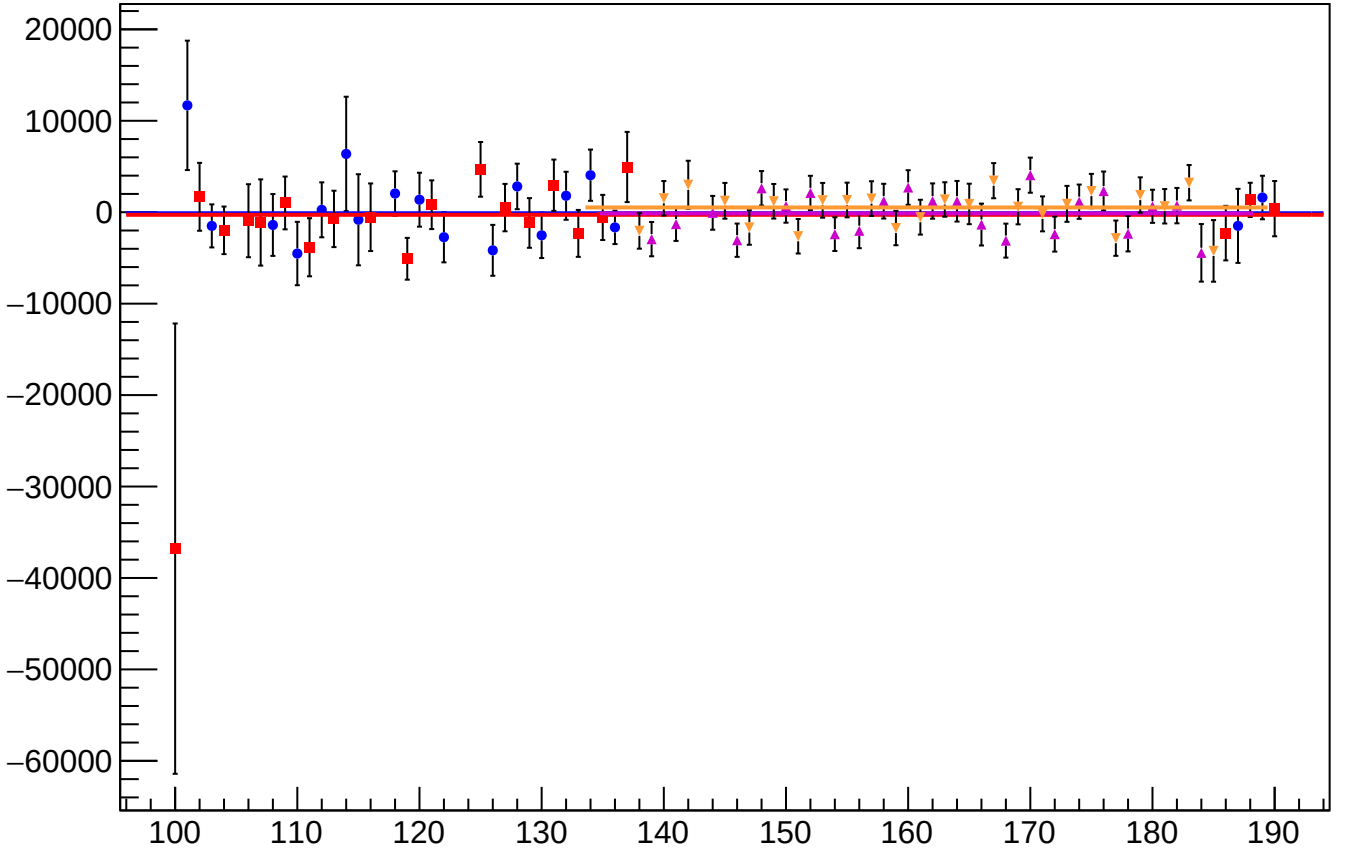
Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

+ sign 971.516+/-0.139 χ^2/NDF: 3737068.8/41

All: 980.096+/-0.099 χ^2/NDF: 8530684.5/85

- sign 988.927+/-0.141 χ^2/NDF: 4785877.6/43

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: -282.330+/-635.696 χ^2/NDF: 17.1/20

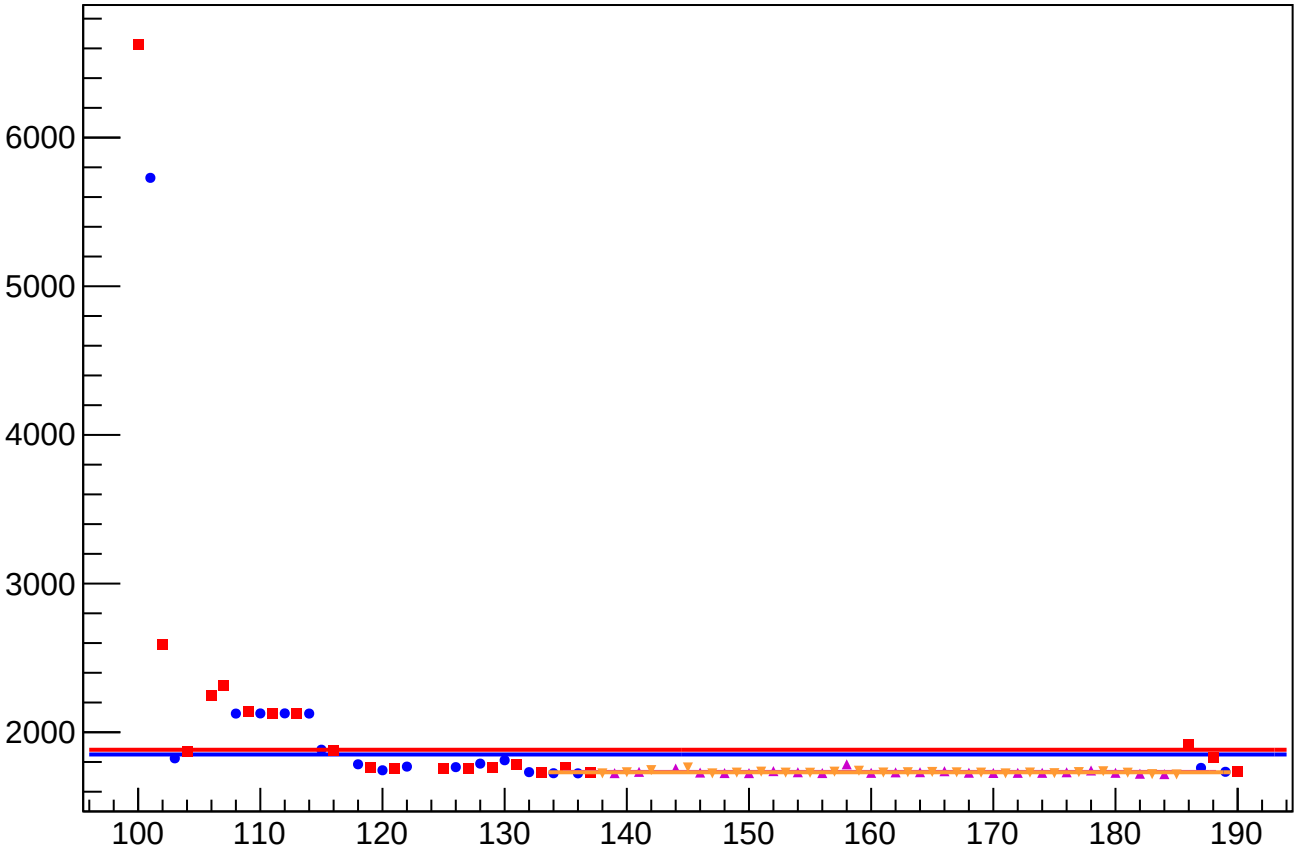
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 352.592+/-344.560 χ^2/NDF: 37.9/41

All: 88.273+/-242.497 χ^2/NDF: 85.7/85

- sign -171.140+/-341.347 χ^2/NDF: 46.6/43

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

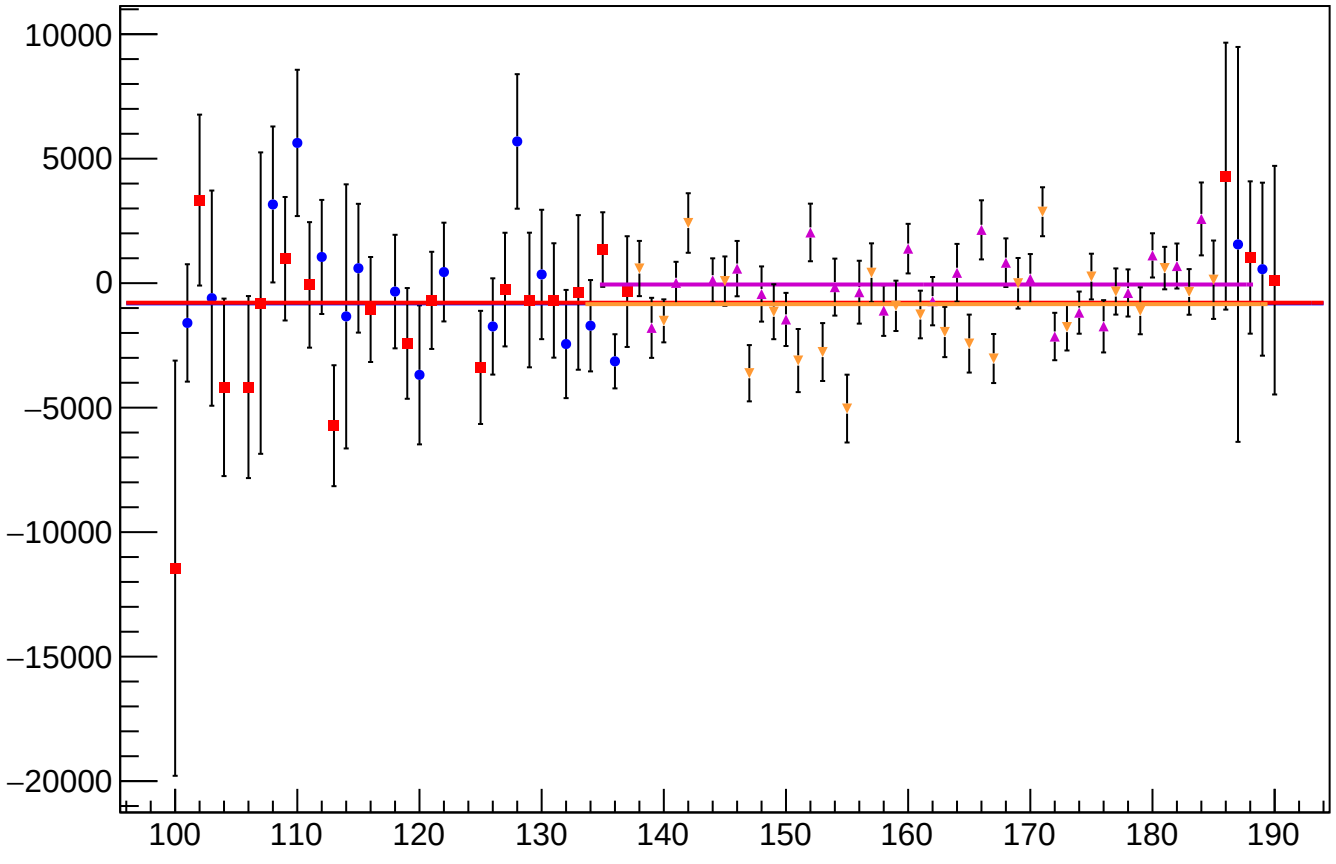
Right Out: 1882.183+/-0.450 χ^2/NDF: 266166.1/20

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1762.459+/-0.244 χ^2/NDF: 728975.8/41

All: 1769.303+/-0.171 χ^2/NDF: 1077323.2/85

- sign 1776.020+/-0.241 χ^2/NDF: 346784.1/43



Right In: -812.331+/-541.725 χ^2/NDF: 20.9/17

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

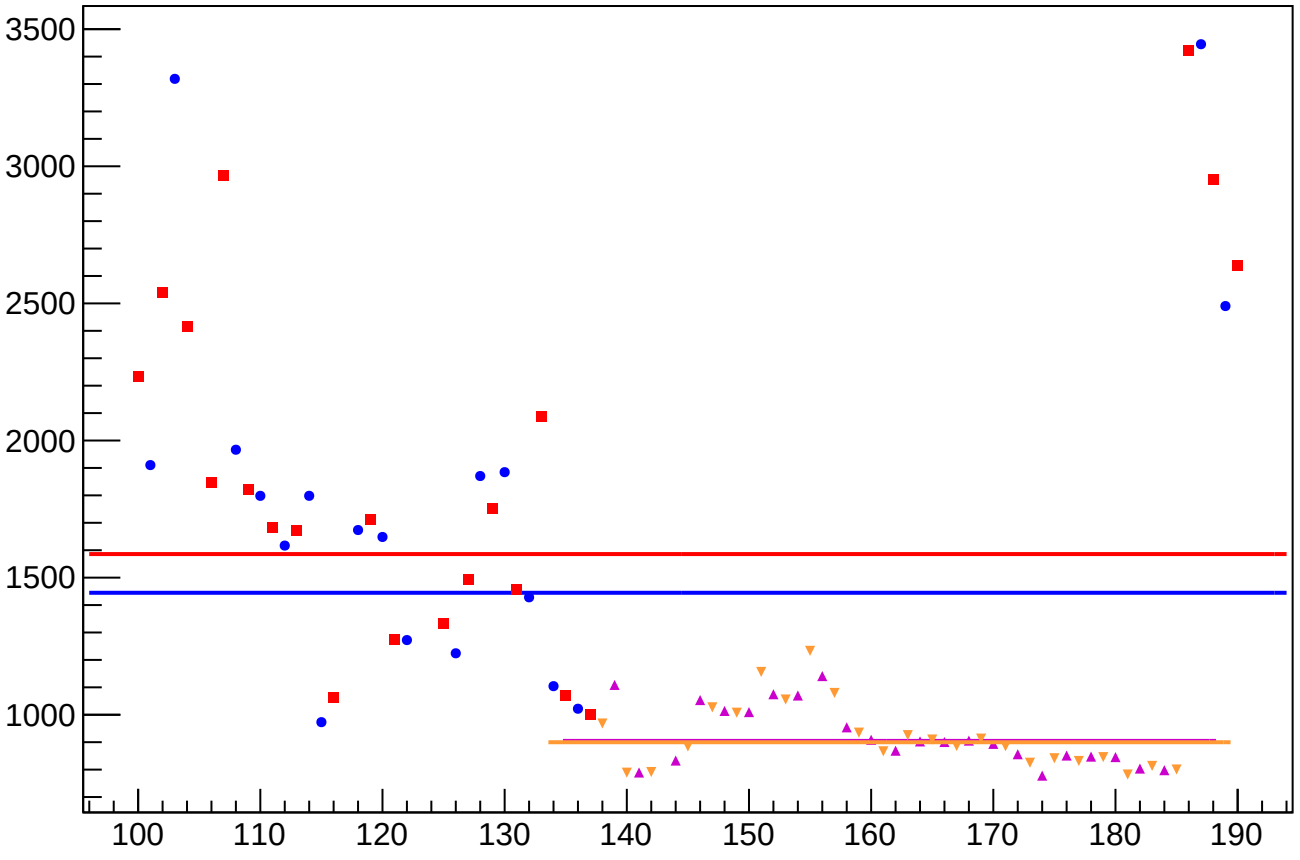
Right Out: -785.566+/-566.839 χ^2/NDF: 14.9/20

Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

\+ sign -838.507+/-196.493 χ^2/NDF: 83.6/41

All: -496.492+/-139.944 χ^2/NDF: 136.7/85

\- sign -144.428+/-199.359 χ^2/NDF: 47.0/43



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: 1585.959+/-0.401 χ^2/NDF: 1801691.1/20

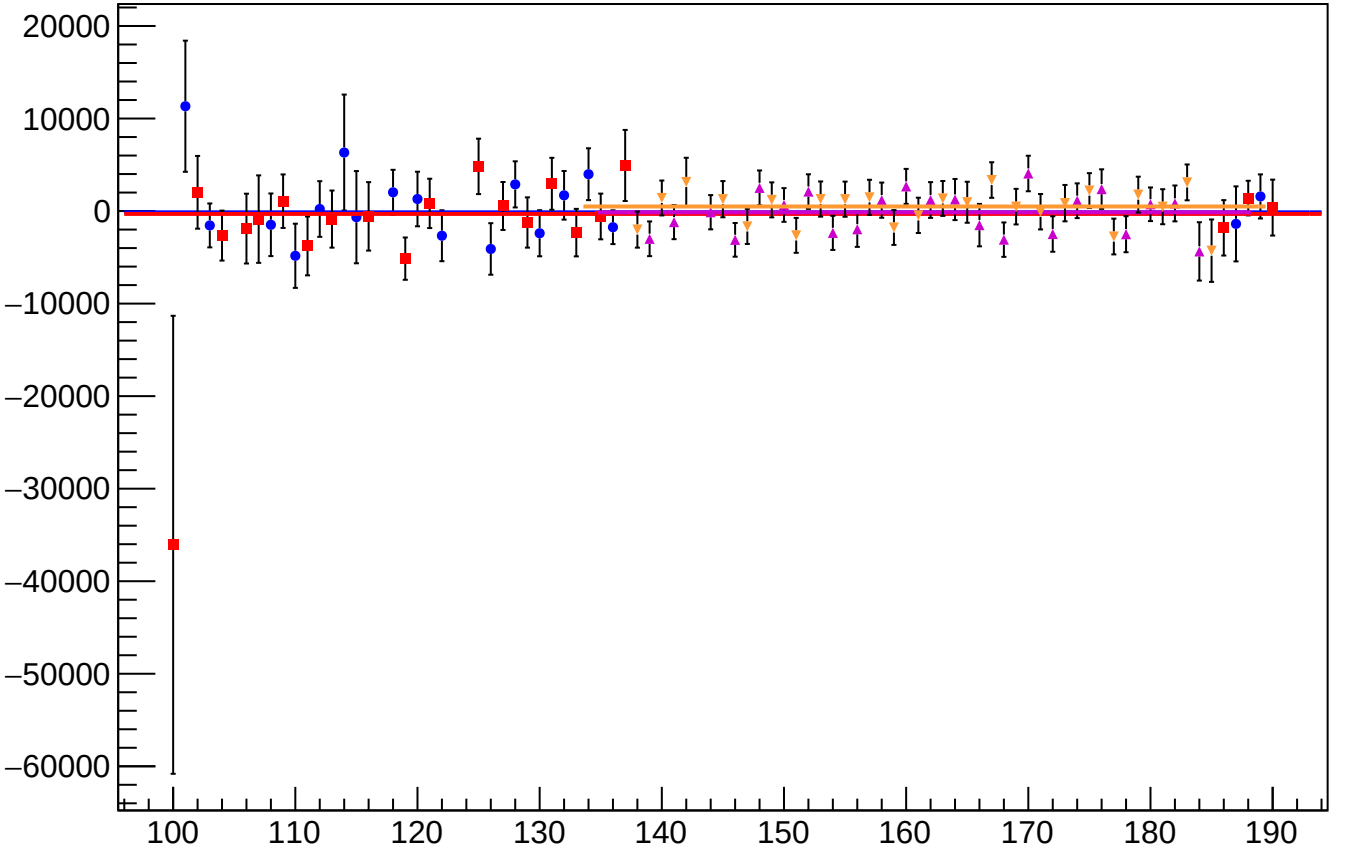
Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

\+ sign 971.516+/-0.139 χ^2/NDF: 3737068.8/41

All: 980.096+/-0.099 χ^2/NDF: 8530684.5/85

\- sign 988.927+/-0.141 χ^2/NDF: 4785877.6/43

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: -307.587+/-637.520 χ^2/NDF: 17.6/20

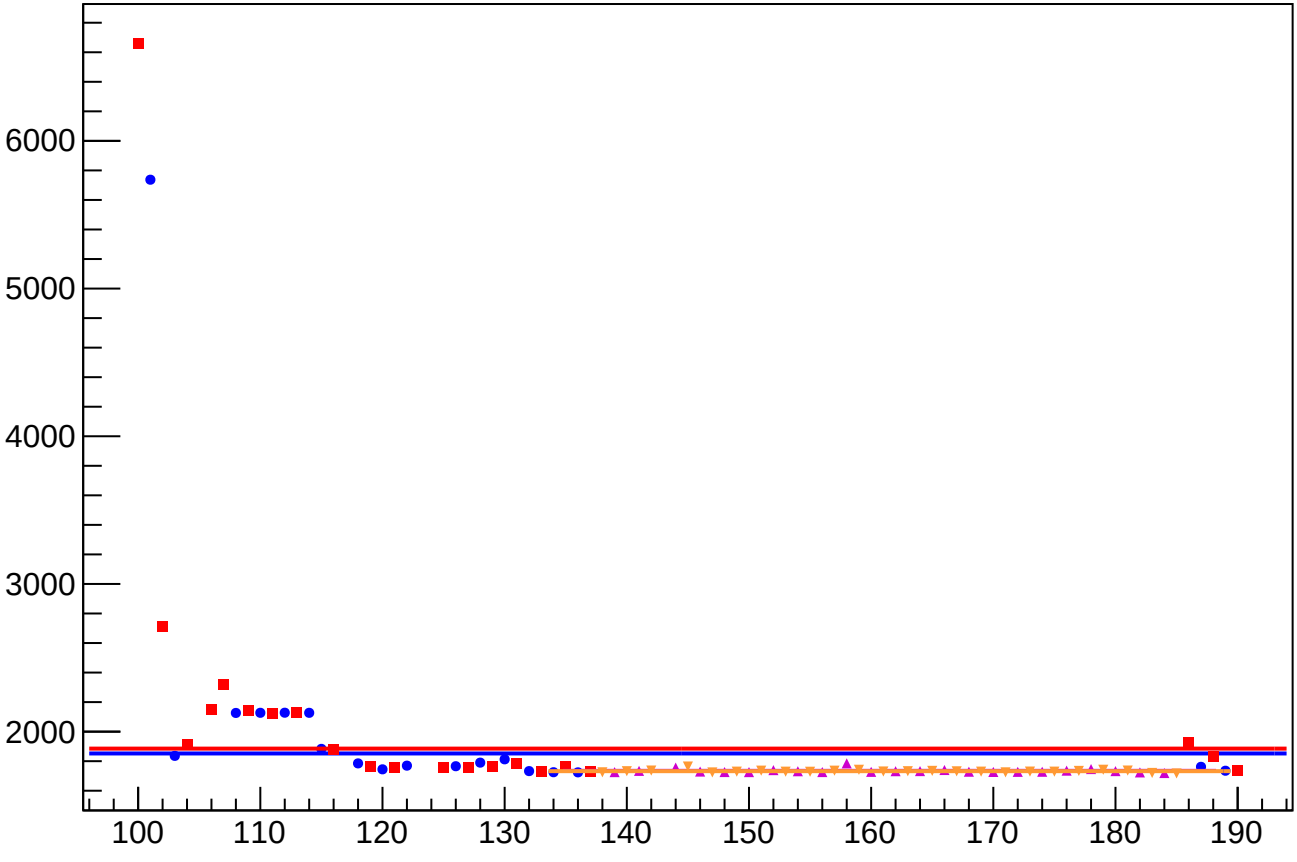
Left In: -137.162+/-404.995 χ^2/NDF:29.6/22

+ sign 327.815+/-344.892 χ^2/NDF: 37.0/41

All: 68.547+/-242.792 χ^2/NDF: 85.4/85

- sign -186.164+/-341.848 χ^2/NDF: 47.2/43

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

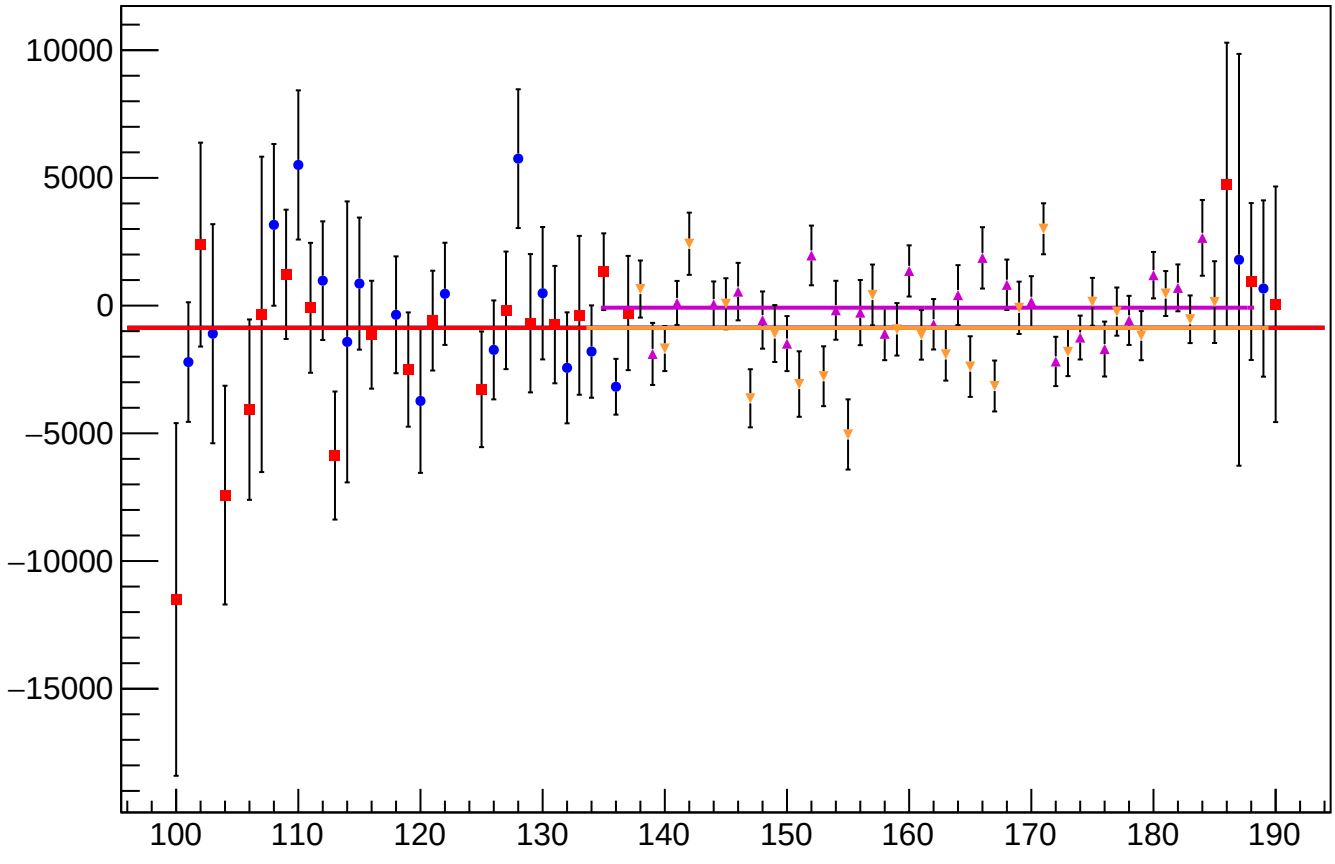
Right Out: 1885.076+/-0.451 χ^2/NDF: 276415.7/20

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1764.061+/-0.244 χ^2/NDF: 729381.6/41

All: 1771.013+/-0.172 χ^2/NDF: 1089044.3/85

- sign 1777.843+/-0.242 χ^2/NDF: 358051.7/43



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: -874.279+/-573.302 χ^2/NDF: 16.4/20

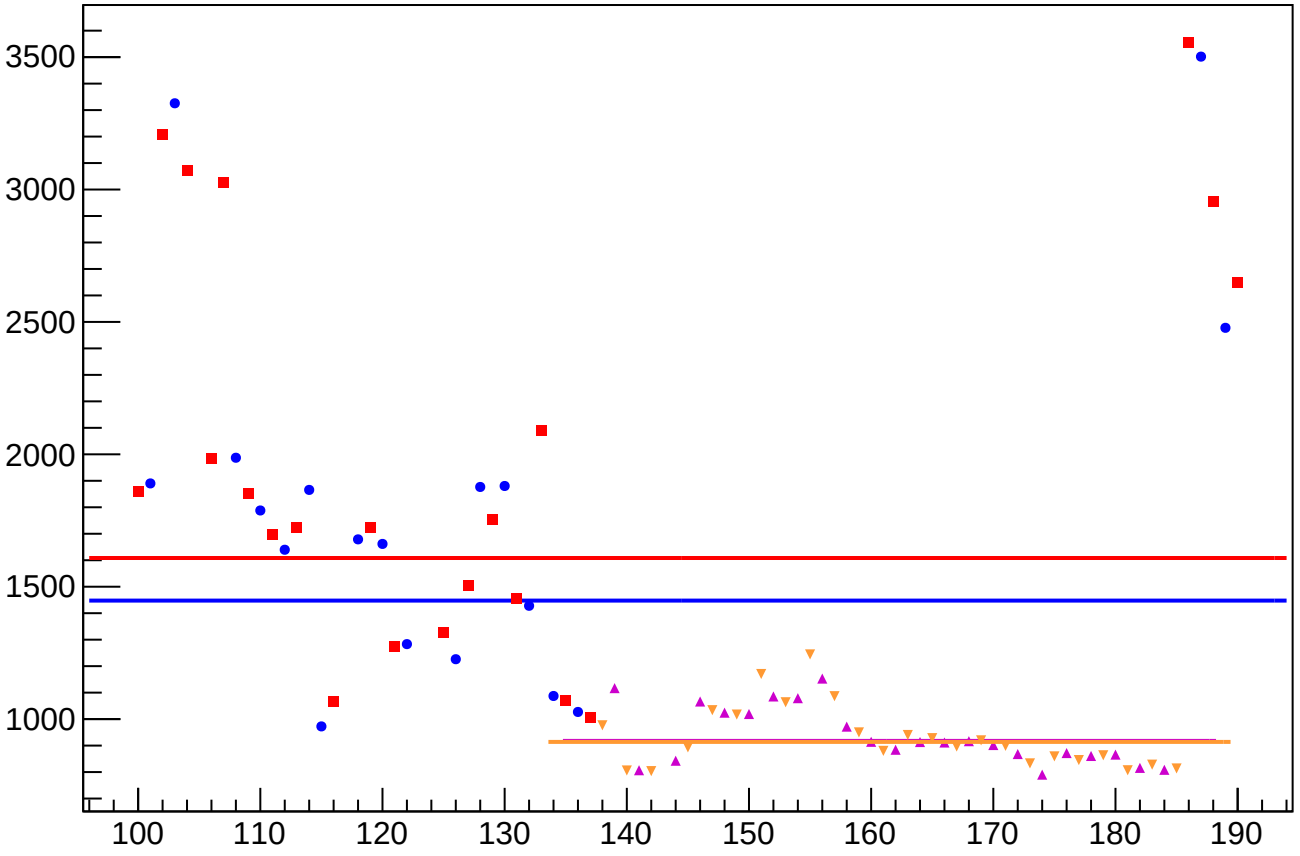
Left In: -81.519+/-215.913 χ^2/NDF:30.0/22

+ sign -871.052+/-199.088 χ^2/NDF: 83.3/41

All: -530.640+/-141.815 χ^2/NDF: 137.3/85

- sign -179.995+/-202.059 χ^2/NDF: 48.0/43

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: 1608.432+/-0.405 χ^2/NDF: 2137142.5/20

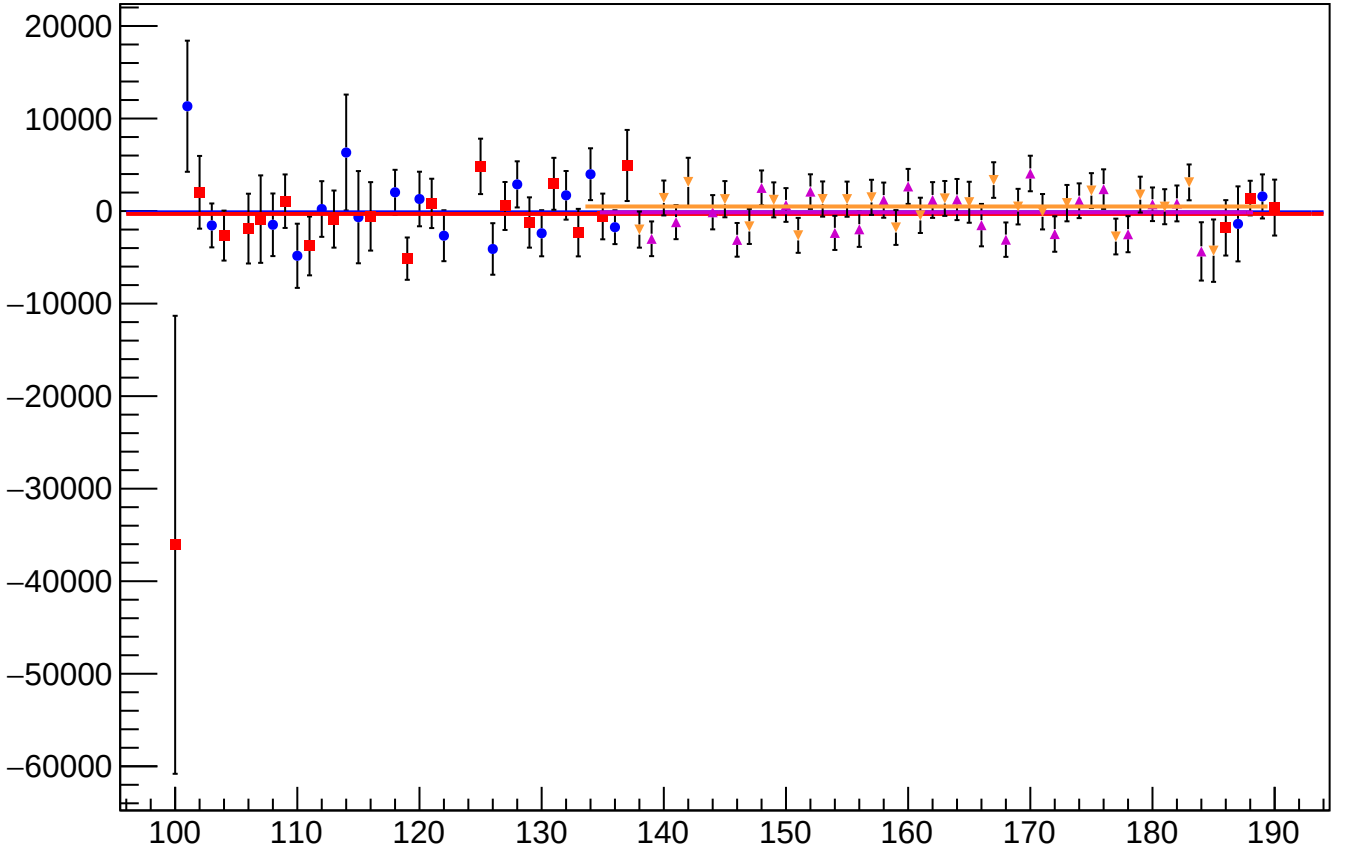
Left In: 917.674+/-0.153 χ^2/NDF:430498.5/22

\+ sign 985.715+/-0.141 χ^2/NDF: 3630797.9/41

All: 994.466+/-0.100 χ^2/NDF: 8749073.5/85

\- sign 1003.479+/-0.143 χ^2/NDF: 5110431.7/43

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: -307.587+/-637.520 χ^2/NDF: 17.6/20

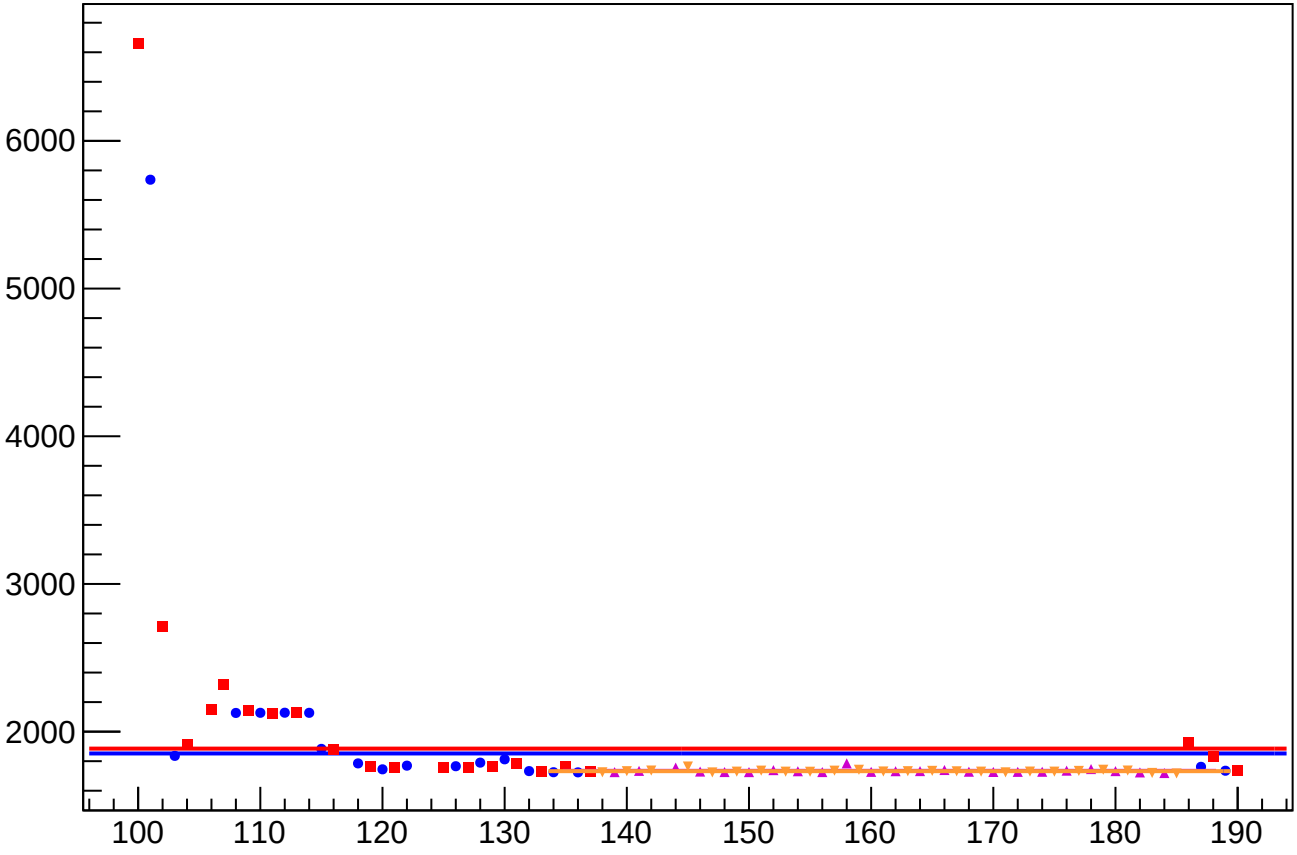
Left In: -137.163+/-404.995 χ^2/NDF:29.6/22

+ sign 327.815+/-344.892 χ^2/NDF: 37.0/41

All: 68.547+/-242.792 χ^2/NDF: 85.4/85

- sign -186.164+/-341.848 χ^2/NDF: 47.2/43

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

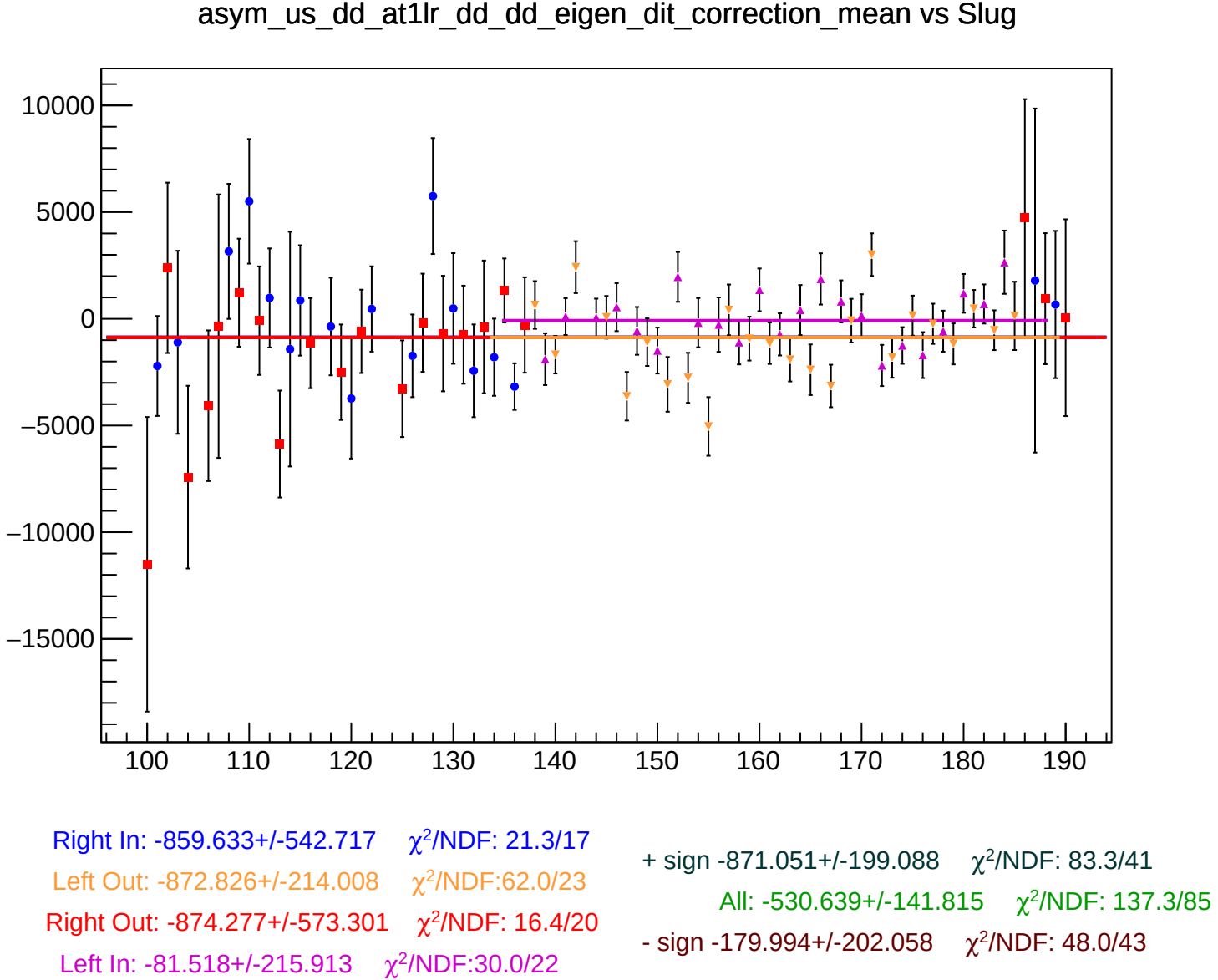
Right Out: 1885.076+/-0.451 χ^2/NDF: 276415.5/20

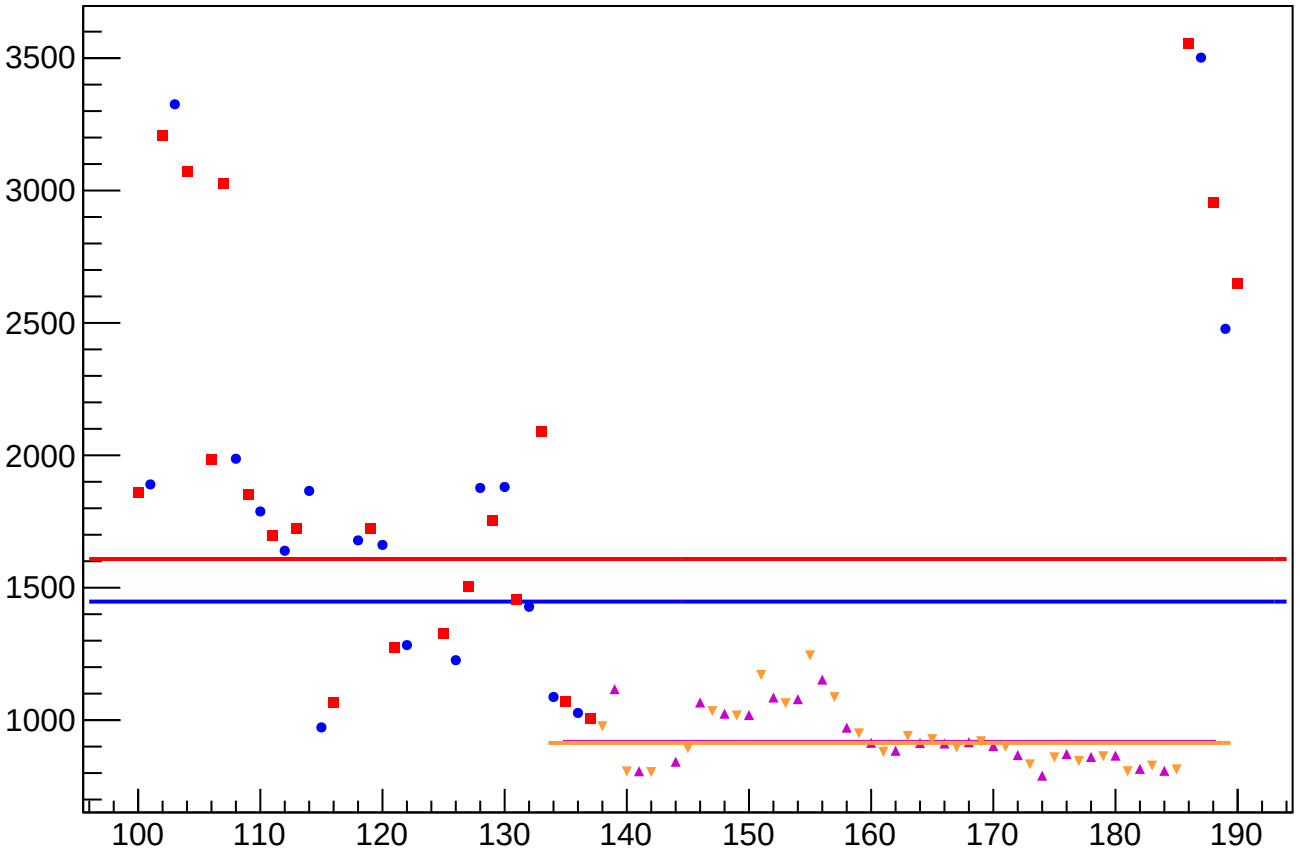
Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1764.061+/-0.244 χ^2/NDF: 729381.6/41

All: 1771.013+/-0.172 χ^2/NDF: 1089044.0/85

- sign 1777.843+/-0.242 χ^2/NDF: 358051.4/43


asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs Slug
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
190
Right In: -859.633+/-542.717 χ²/NDF: 21.3/17
Left Out: -872.826+/-214.008 χ²/NDF:62.0/23
Right Out: -874.277+/-573.301 χ²/NDF: 16.4/20
Left In: -81.518+/-215.913 χ²/NDF:30.0/22
+ sign -871.051+/-199.088 χ²/NDF: 83.3/41
All: -530.639+/-141.815 χ²/NDF: 137.3/85
- sign -179.994+/-202.058 χ²/NDF: 48.0/43



Right In: 1447.575+/-0.384 χ^2/NDF: 1494260.6/17

Left Out: 913.898+/-0.151 χ^2/NDF:462858.6/23

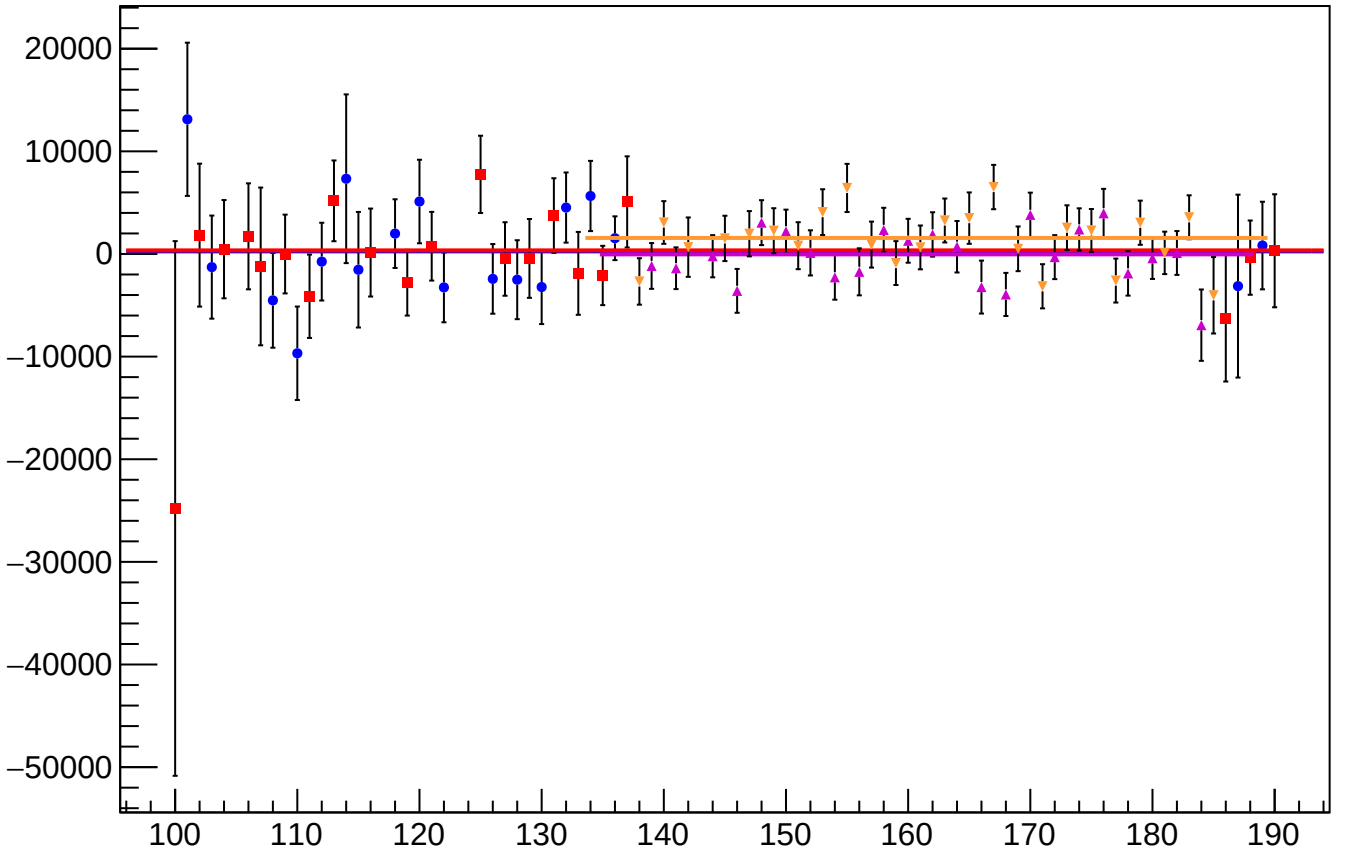
Right Out: 1608.429+/-0.405 χ^2/NDF: 2137148.4/20

Left In: 917.674+/-0.153 χ^2/NDF:430509.1/22

+ sign 985.714+/-0.141 χ^2/NDF: 3630795.5/41

All: 994.465+/-0.100 χ^2/NDF: 8749077.7/85

- sign 1003.479+/-0.143 χ^2/NDF: 5110438.5/43



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: 348.833+/-907.563 χ^2/NDF: 13.0/20

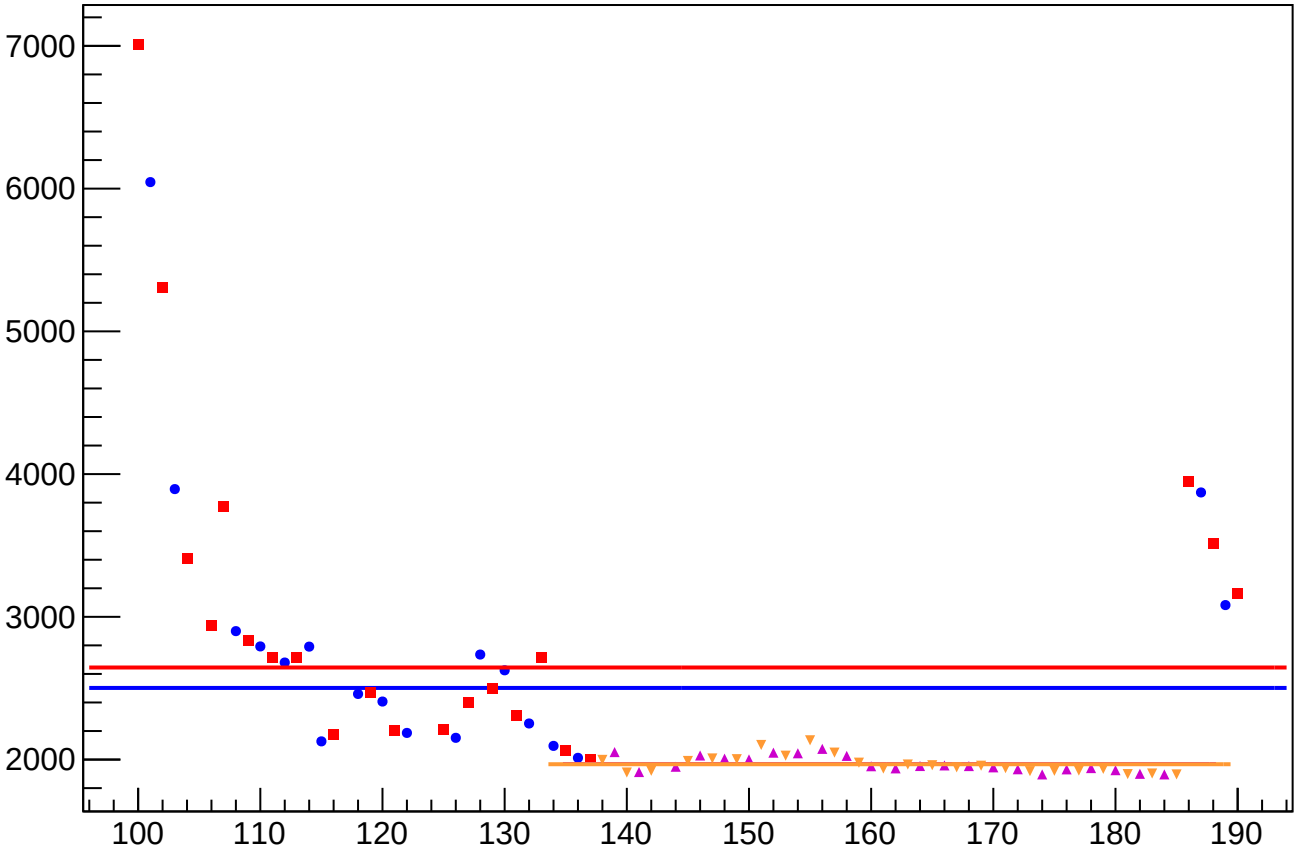
Left In: -39.885+/-459.938 χ^2/NDF:27.8/22

+ sign 1300.473+/-408.757 χ^2/NDF: 52.1/41

All: 672.327+/-289.565 χ^2/NDF: 97.7/85

- sign 39.548+/-410.262 χ^2/NDF: 40.9/43

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

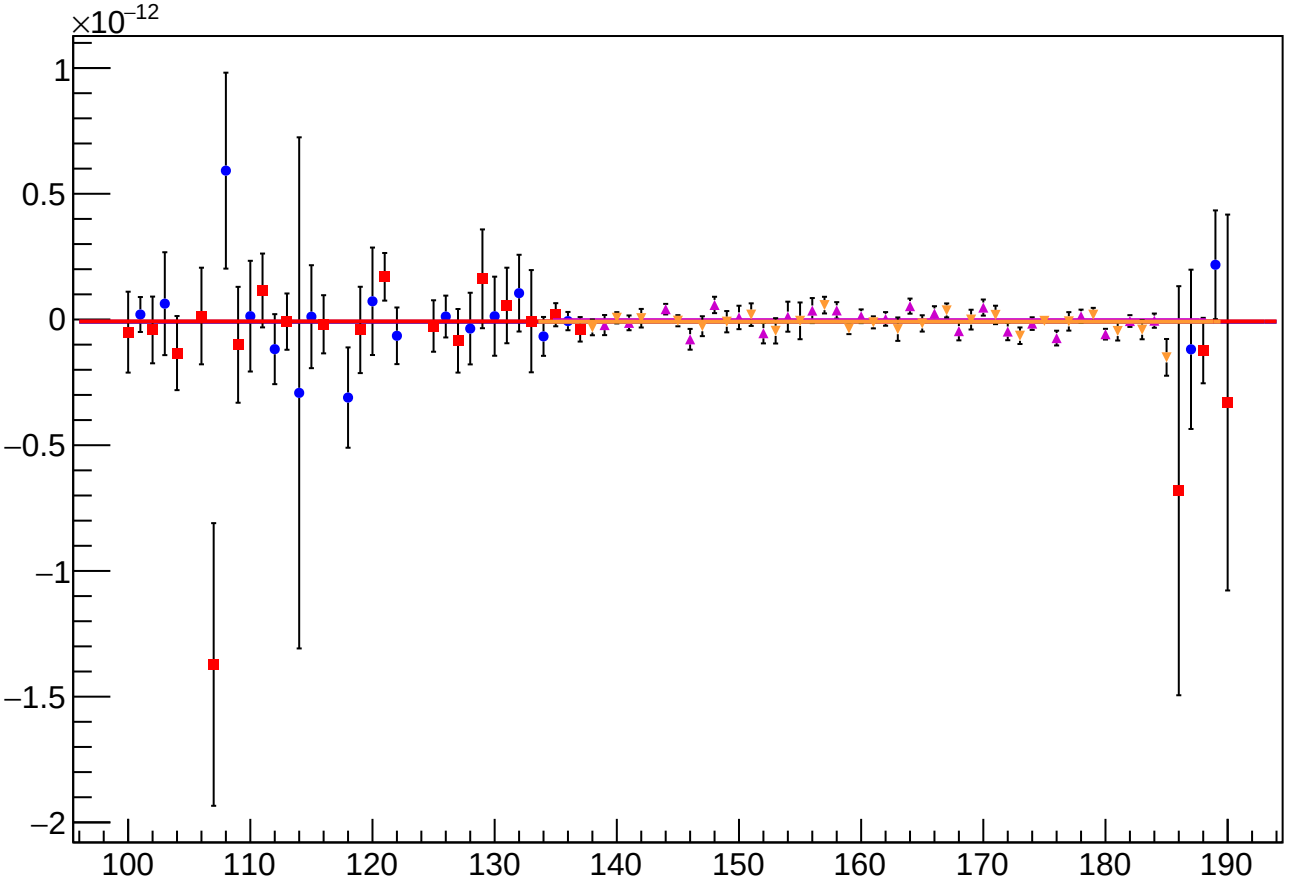
Right Out: 2645.041+/-0.642 χ^2/NDF: 921684.7/20

Left In: 1969.022+/-0.325 χ^2/NDF:26523.0/22

+ sign 2074.088+/-0.289 χ^2/NDF: 1501915.1/41

All: 2090.566+/-0.205 χ^2/NDF: 3339564.5/85

- sign 2107.165+/-0.290 χ^2/NDF: 1831125.0/43



Right In: -0.000+/-0.000 χ^2/NDF: 8.5/17

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/23

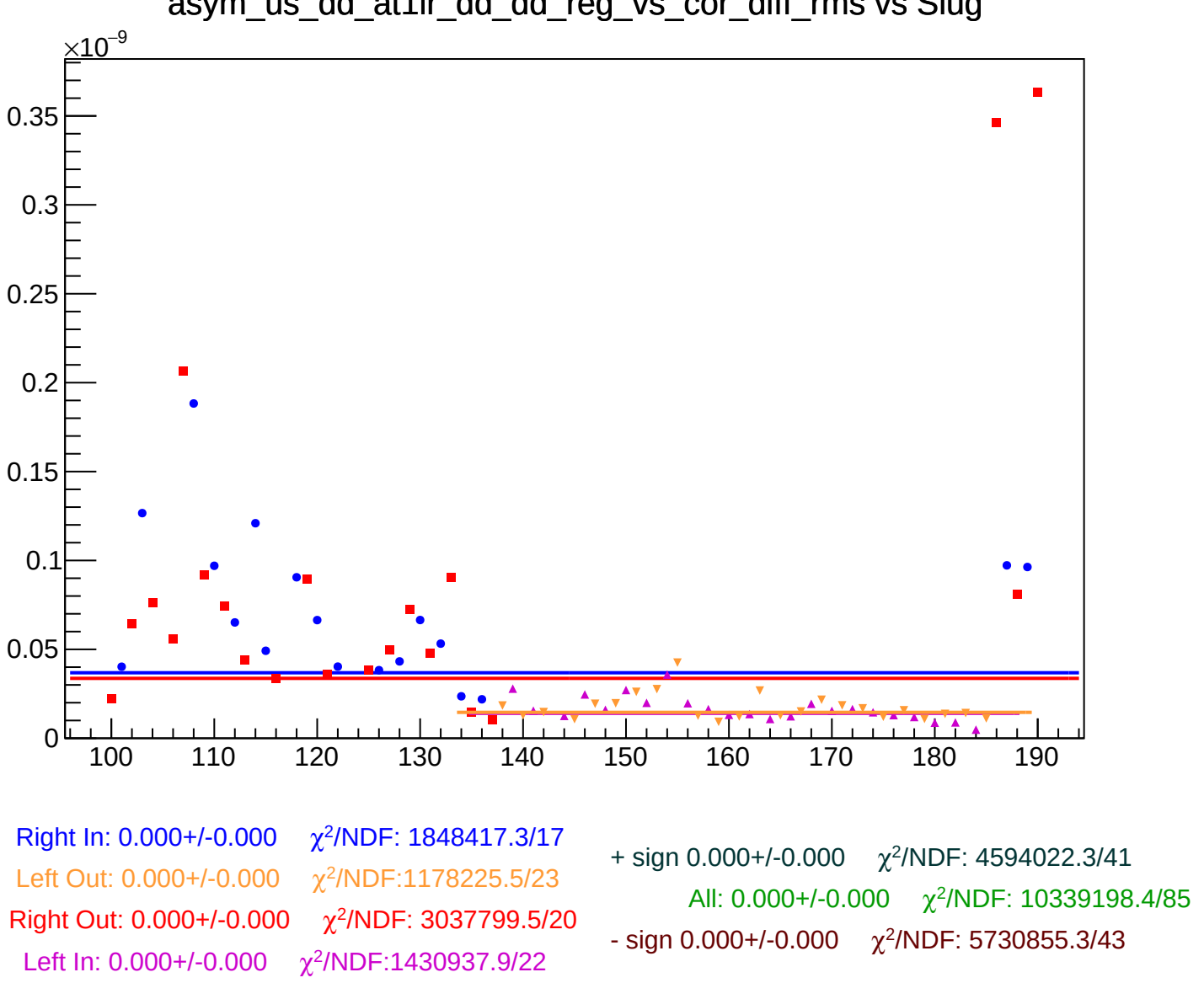
Right Out: -0.000+/-0.000 χ^2/NDF: 14.9/20

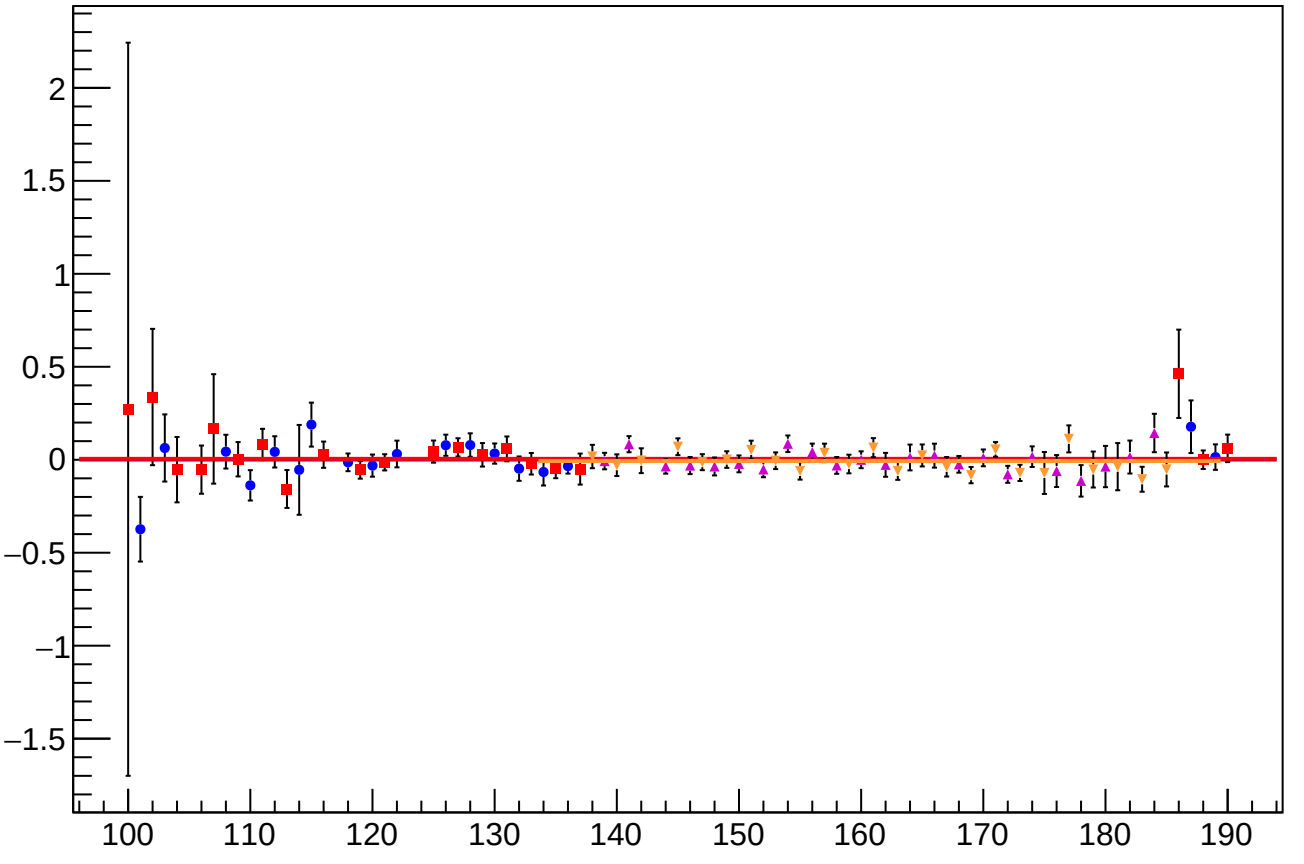
Left In: -0.000+/-0.000 χ^2/NDF:38.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 29.3/41

All: -0.000+/-0.000 χ^2/NDF: 83.6/85

- sign -0.000+/-0.000 χ^2/NDF: 53.9/43


asym_us_dd_at1lr_dd_dd_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: 1848417.3/17
Left Out: 0.000+/-0.000 χ²/NDF:1178225.5/23
Right Out: 0.000+/-0.000 χ²/NDF: 3037799.5/20
Left In: 0.000+/-0.000 χ²/NDF:1430937.9/22
+ sign 0.000+/-0.000 χ²/NDF: 4594022.3/41
All: 0.000+/-0.000 χ²/NDF: 10339198.4/85
- sign 0.000+/-0.000 χ²/NDF: 5730855.3/43



Right In: 0.002+/-0.016 χ^2/NDF: 18.7/17

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

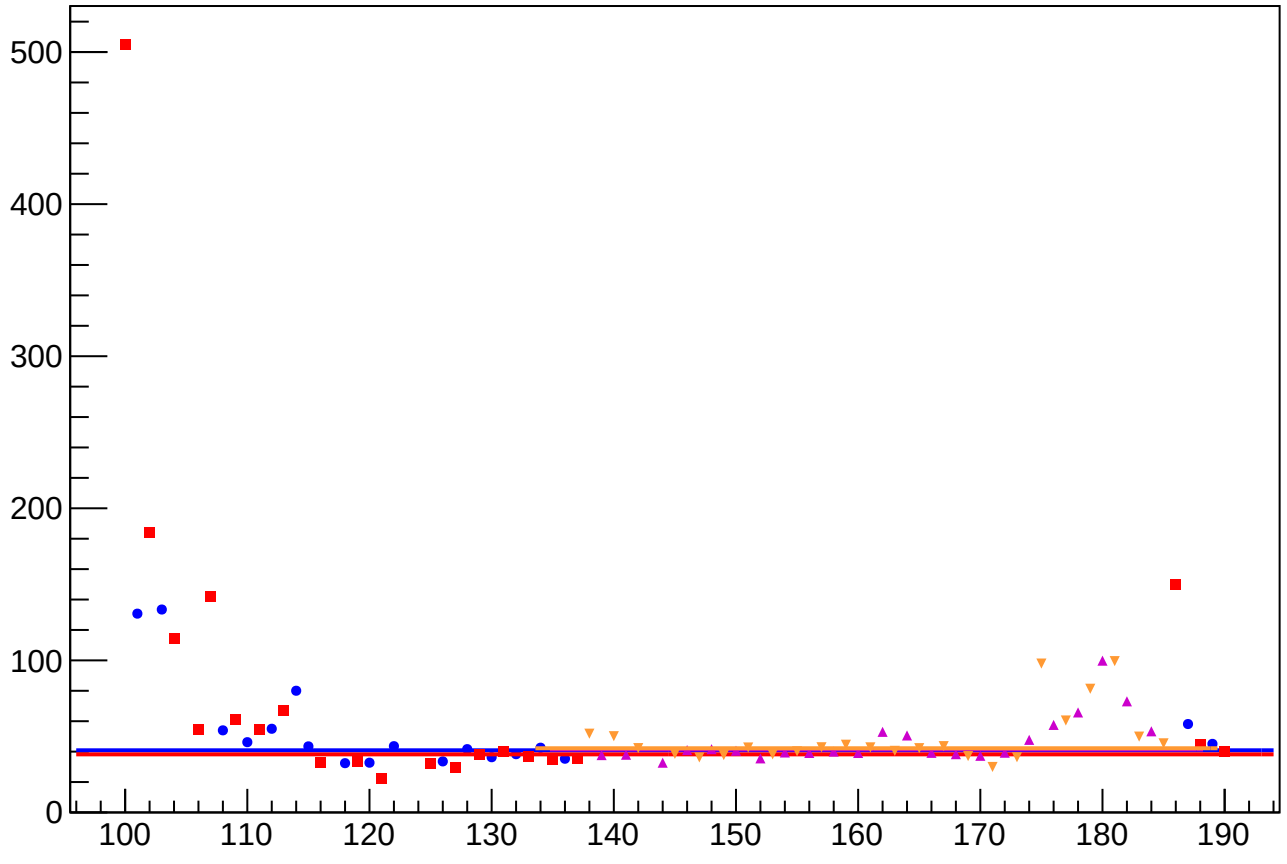
Right Out: 0.005+/-0.015 χ^2/NDF: 15.3/20

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign -0.004+/-0.009 χ^2/NDF: 42.8/41

All: -0.003+/-0.006 χ^2/NDF: 78.6/85

- sign -0.003+/-0.009 χ^2/NDF: 35.7/43



Right In: 40.866+/-0.012 χ^2/NDF: 1449342.6/17

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

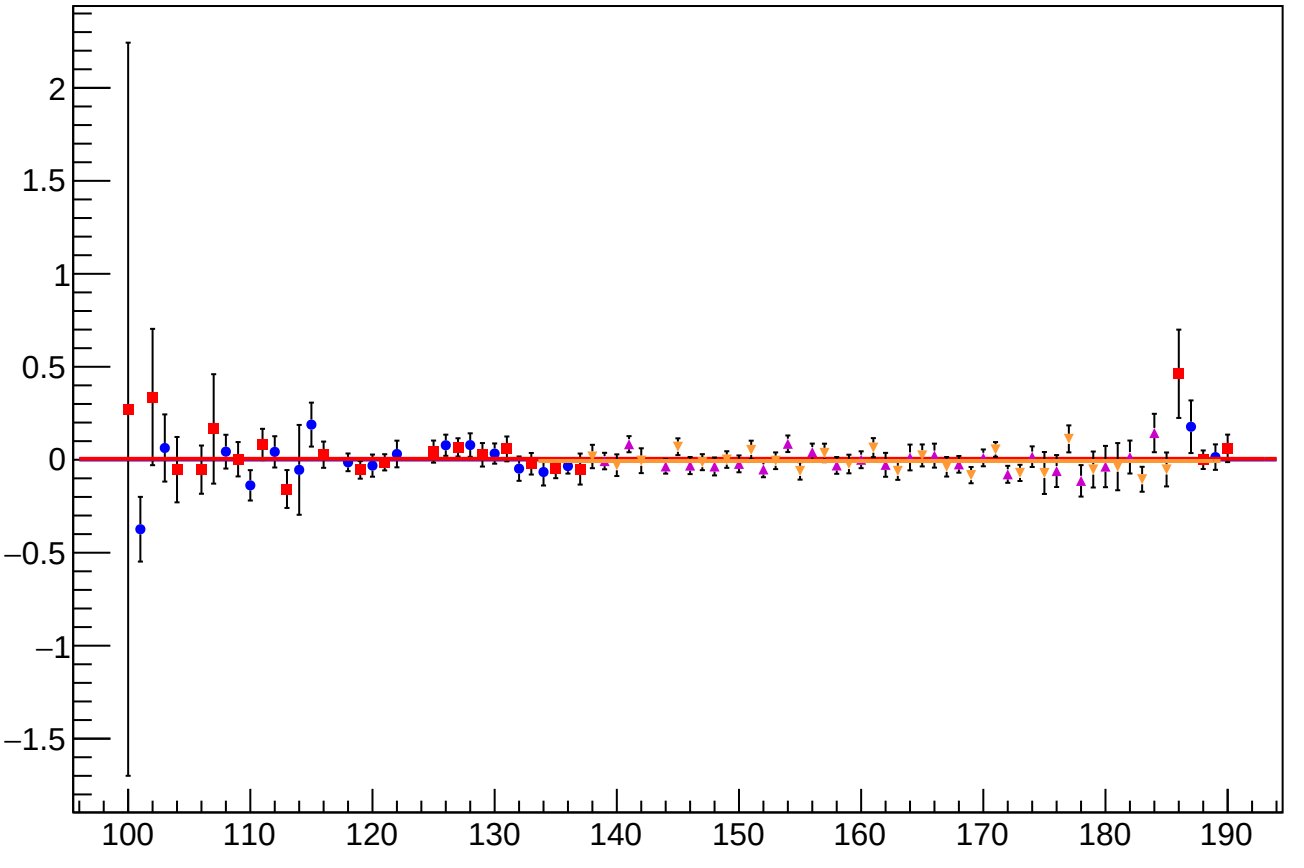
Right Out: 38.205+/-0.011 χ^2/NDF: 2331100.5/20

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

+ sign 41.798+/-0.006 χ^2/NDF: 3277945.4/41

All: 41.062+/-0.004 χ^2/NDF: 7105115.5/85

- sign 40.371+/-0.006 χ^2/NDF: 3801789.4/43



Right In: 0.002+/-0.016 χ^2/NDF: 18.7/17

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

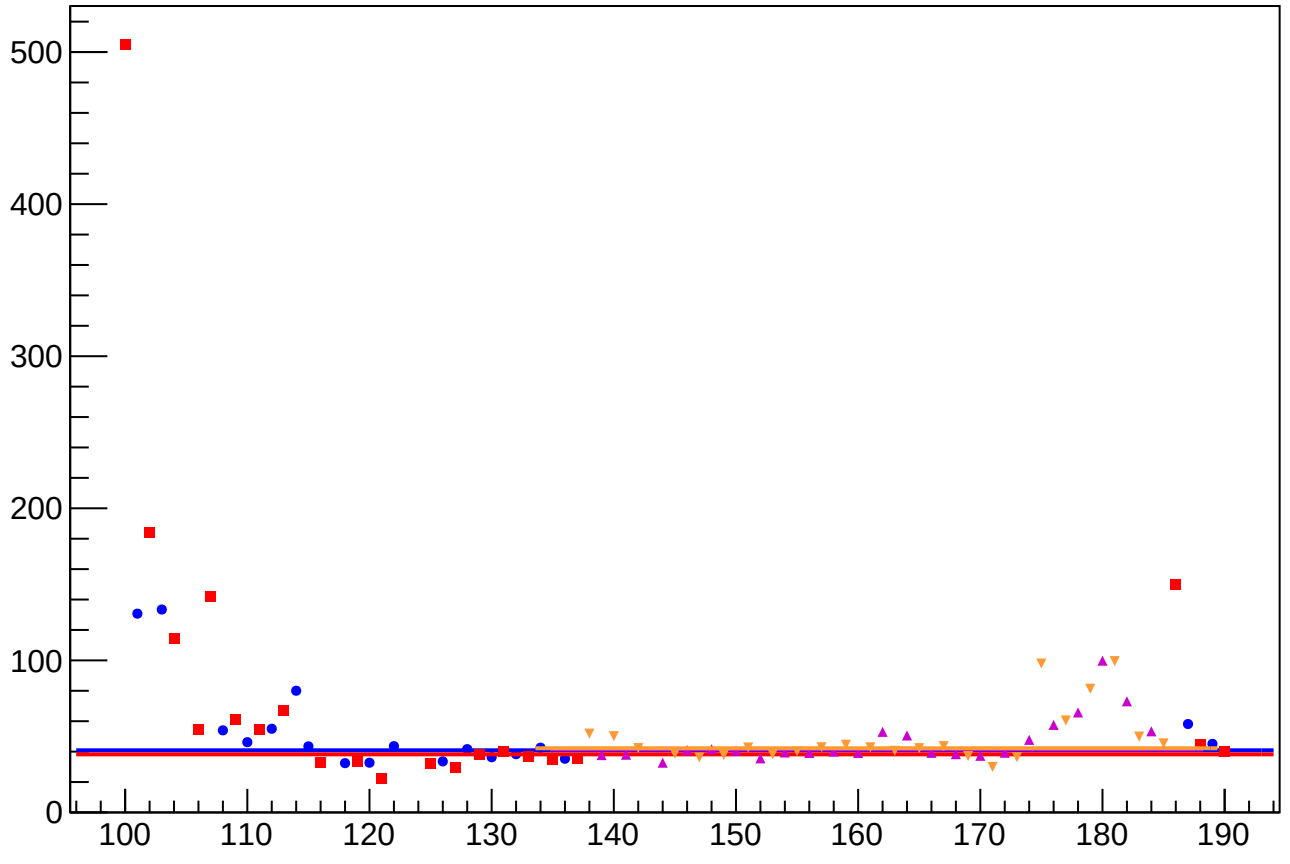
Right Out: 0.005+/-0.015 χ^2/NDF: 15.3/20

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign -0.004+/-0.009 χ^2/NDF: 42.8/41

All: -0.003+/-0.006 χ^2/NDF: 78.6/85

- sign -0.003+/-0.009 χ^2/NDF: 35.7/43



Right In: 40.866+/-0.012 χ^2/NDF: 1449342.6/17

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

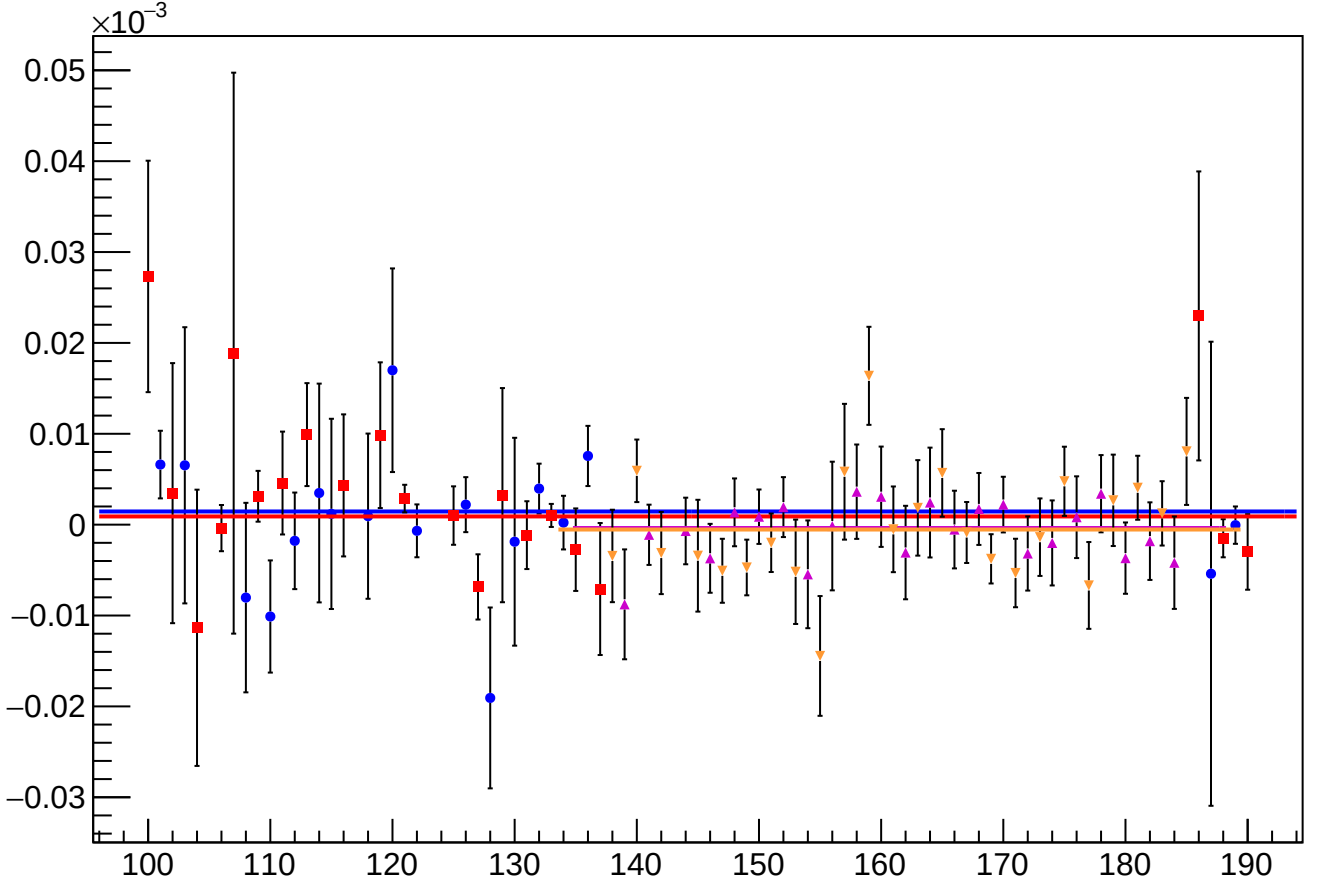
Right Out: 38.205+/-0.011 χ^2/NDF: 2331100.5/20

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

\+ sign 41.798+/-0.006 χ^2/NDF: 3277945.4/41

All: 41.062+/-0.004 χ^2/NDF: 7105115.5/85

\- sign 40.371+/-0.006 χ^2/NDF: 3801789.4/43



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

Left Out: -0.000+/-0.000 χ^2/NDF:36.8/23

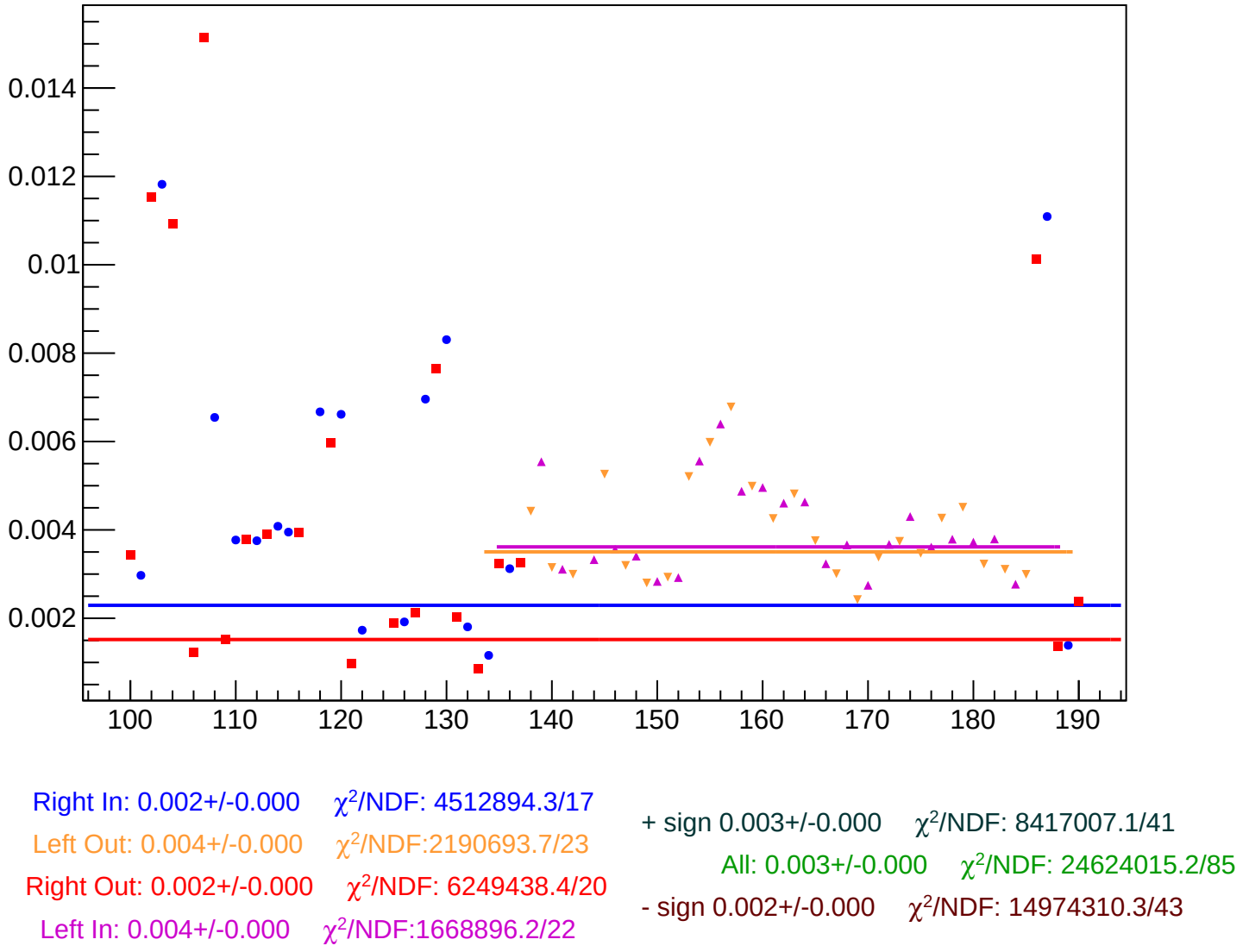
Right Out: 0.000+/-0.000 χ^2/NDF: 23.3/20

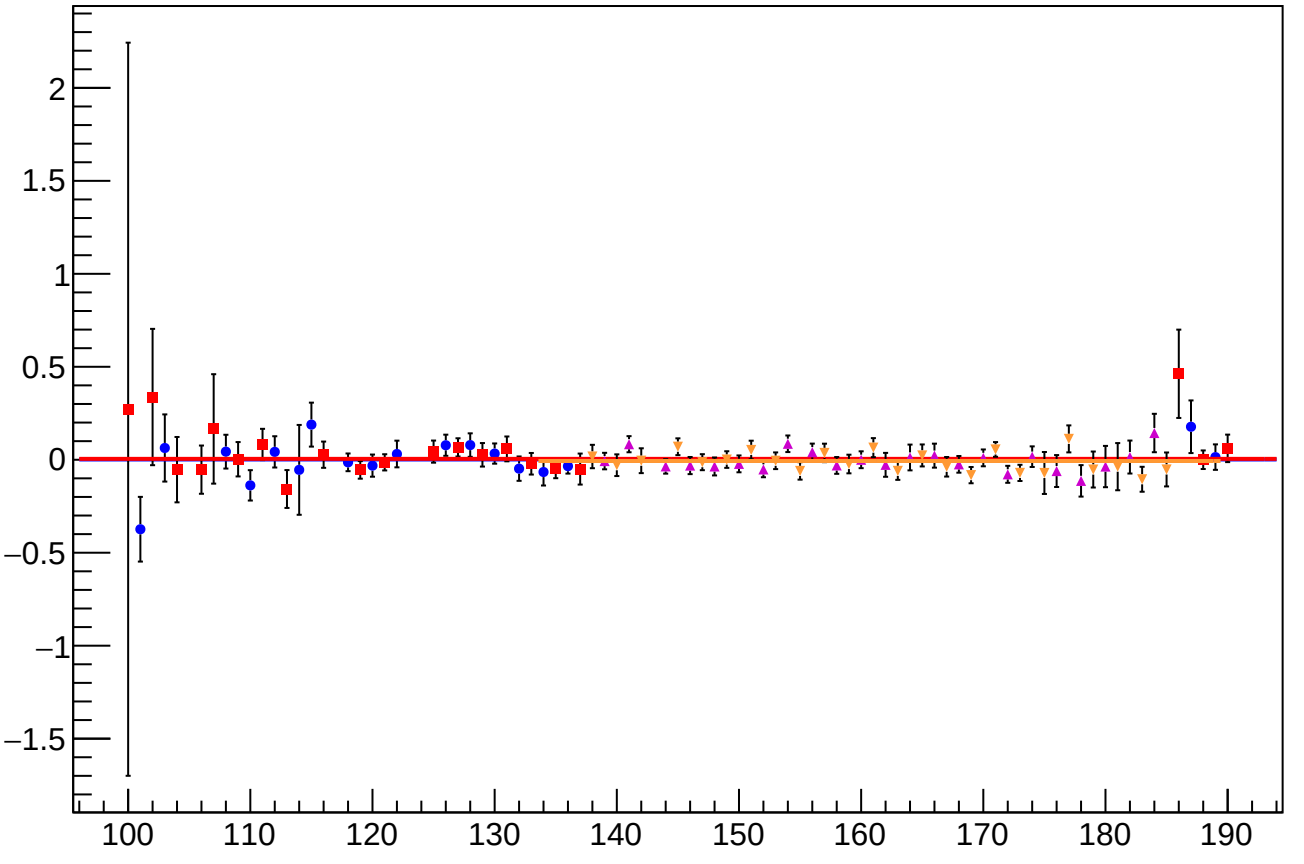
Left In: -0.000+/-0.000 χ^2/NDF:9.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.8/41

All: 0.000+/-0.000 χ^2/NDF: 92.1/85

- sign 0.000+/-0.000 χ^2/NDF: 34.3/43


asym_us_dd_at1lr_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: 0.002+/-0.000 χ²/NDF: 4512894.3/17
Left Out: 0.004+/-0.000 χ²/NDF:2190693.7/23
Right Out: 0.002+/-0.000 χ²/NDF: 6249438.4/20
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: 24624015.2/85
- sign 0.002+/-0.000 χ²/NDF: 14974310.3/43



Right In: 0.002+/-0.016 χ^2/NDF: 18.7/17

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

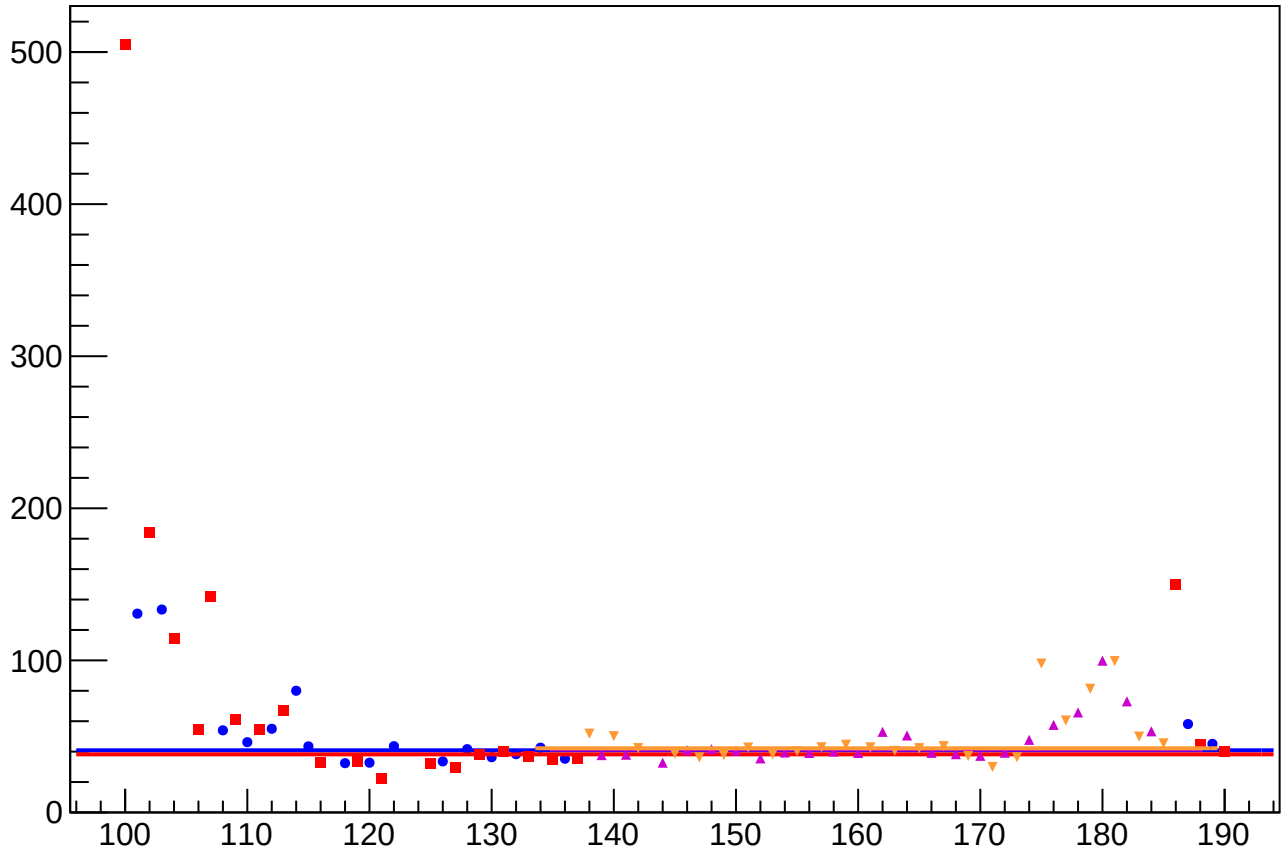
Right Out: 0.005+/-0.015 χ^2/NDF: 15.3/20

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign -0.004+/-0.009 χ^2/NDF: 42.8/41

All: -0.003+/-0.006 χ^2/NDF: 78.6/85

- sign -0.003+/-0.009 χ^2/NDF: 35.7/43



Right In: 40.866+/-0.012 χ^2/NDF: 1449217.9/17

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

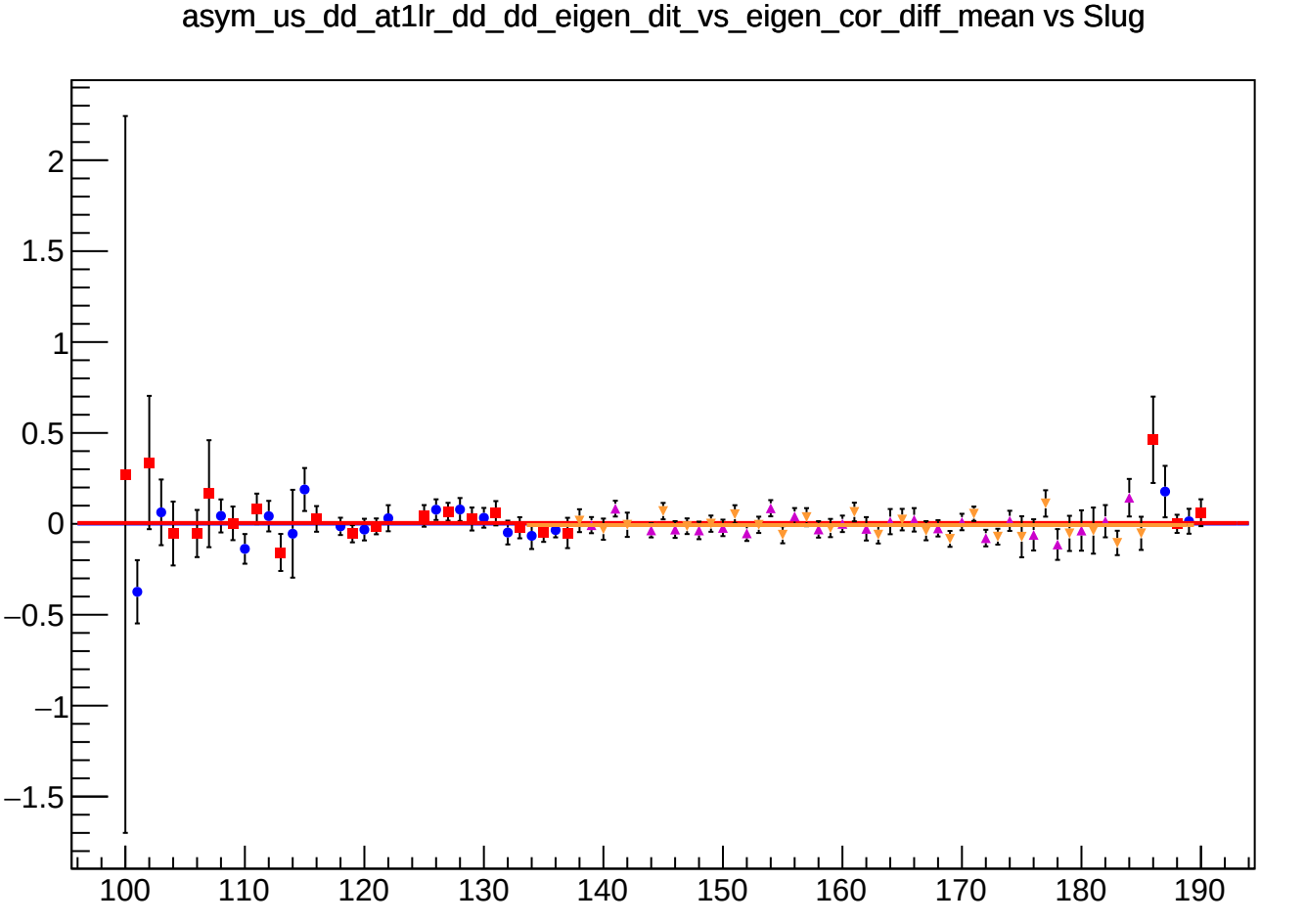
Right Out: 38.205+/-0.011 χ^2/NDF: 2331098.9/20

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

\+ sign 41.798+/-0.006 χ^2/NDF: 3277817.4/41

All: 41.061+/-0.004 χ^2/NDF: 7104962.3/85

\- sign 40.370+/-0.006 χ^2/NDF: 3801751.6/43



Right In: 0.002+/-0.016 χ^2/NDF: 18.7/17

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

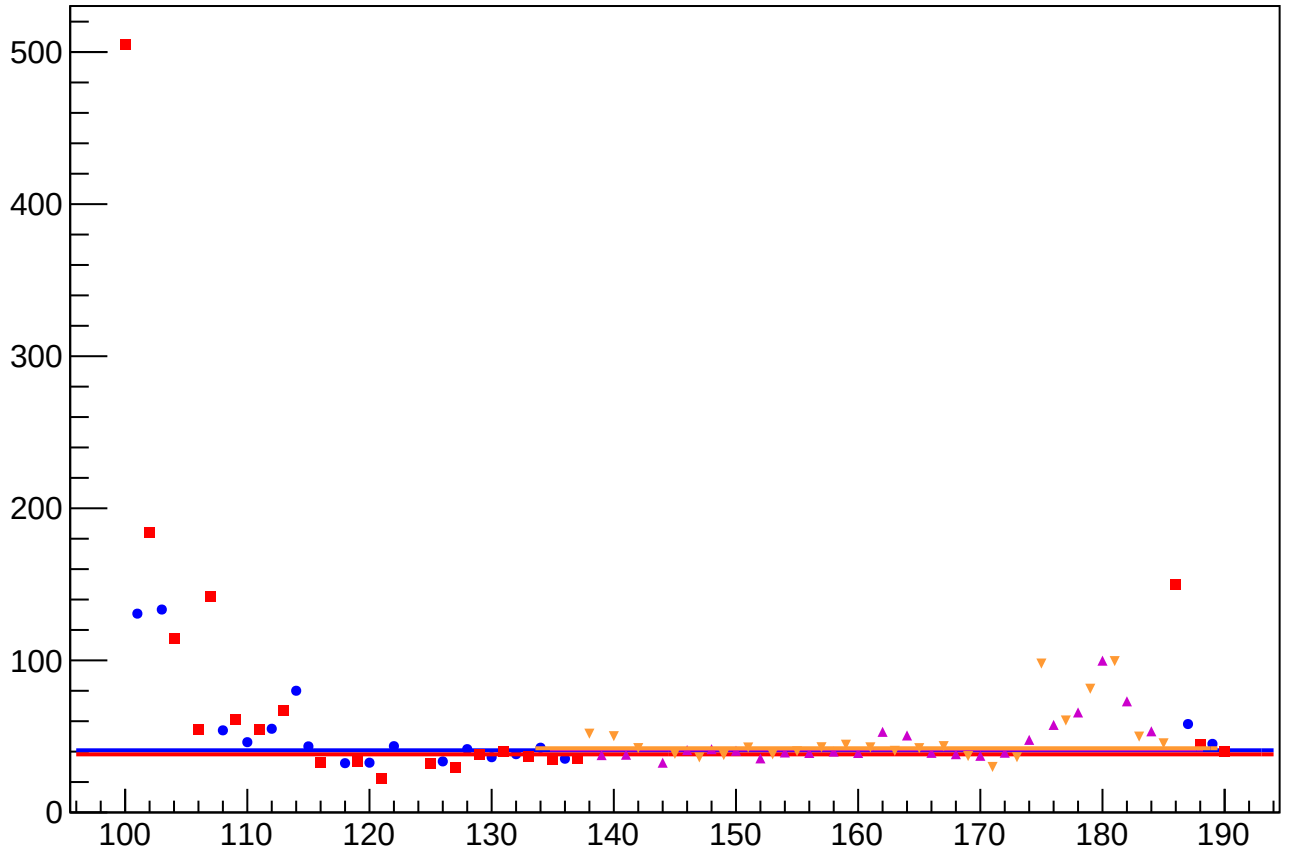
Right Out: 0.005+/-0.015 χ^2/NDF: 15.3/20

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign -0.004+/-0.009 χ^2/NDF: 42.8/41

All: -0.003+/-0.006 χ^2/NDF: 78.6/85

- sign -0.003+/-0.009 χ^2/NDF: 35.7/43



Right In: 40.866+/-0.012 χ^2/NDF: 1449217.9/17

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

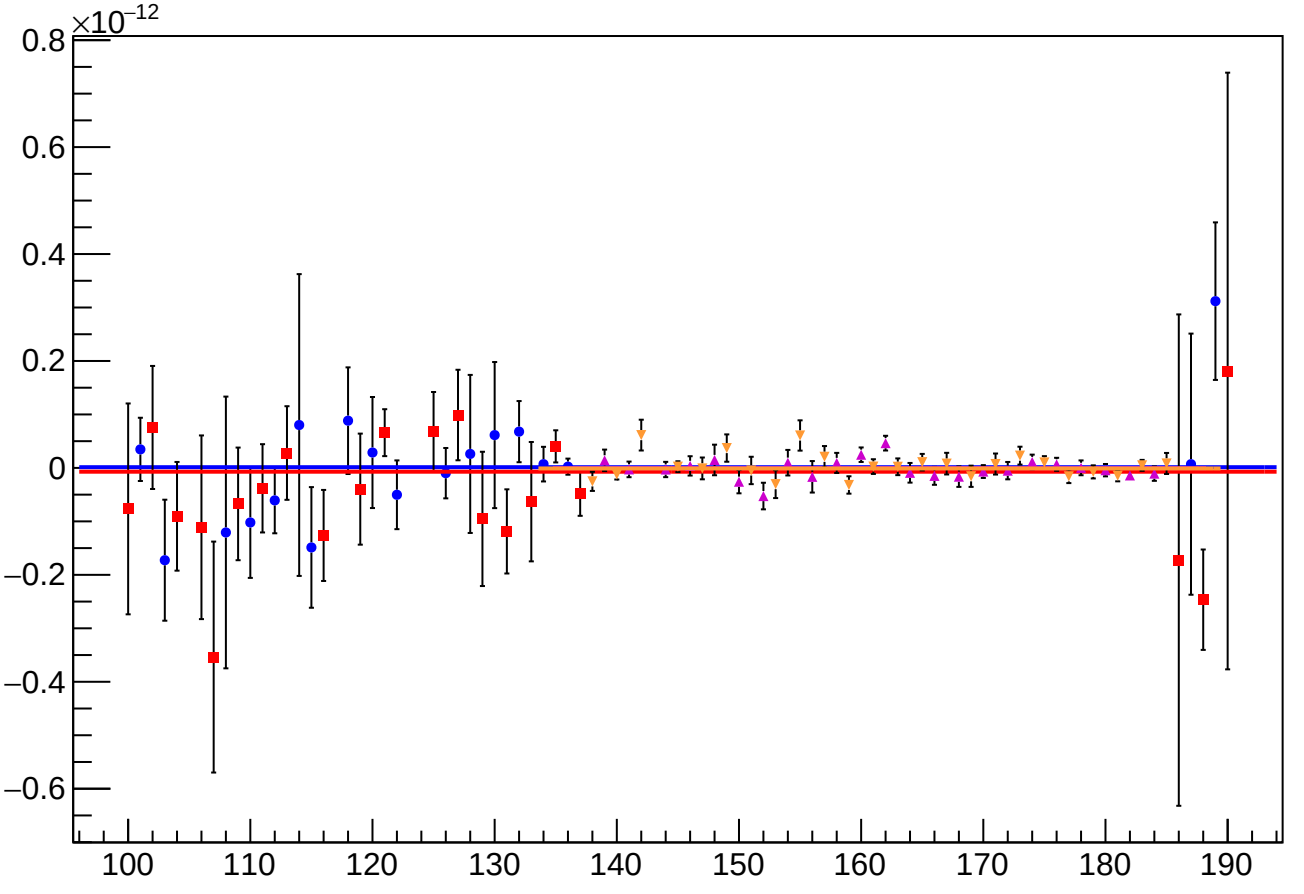
Right Out: 38.205+/-0.011 χ^2/NDF: 2331098.9/20

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

\+ sign 41.798+/-0.006 χ^2/NDF: 3277817.4/41

All: 41.061+/-0.004 χ^2/NDF: 7104962.3/85

\- sign 40.370+/-0.006 χ^2/NDF: 3801751.6/43



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/17

Left Out: -0.000+/-0.000 χ^2/NDF:29.5/23

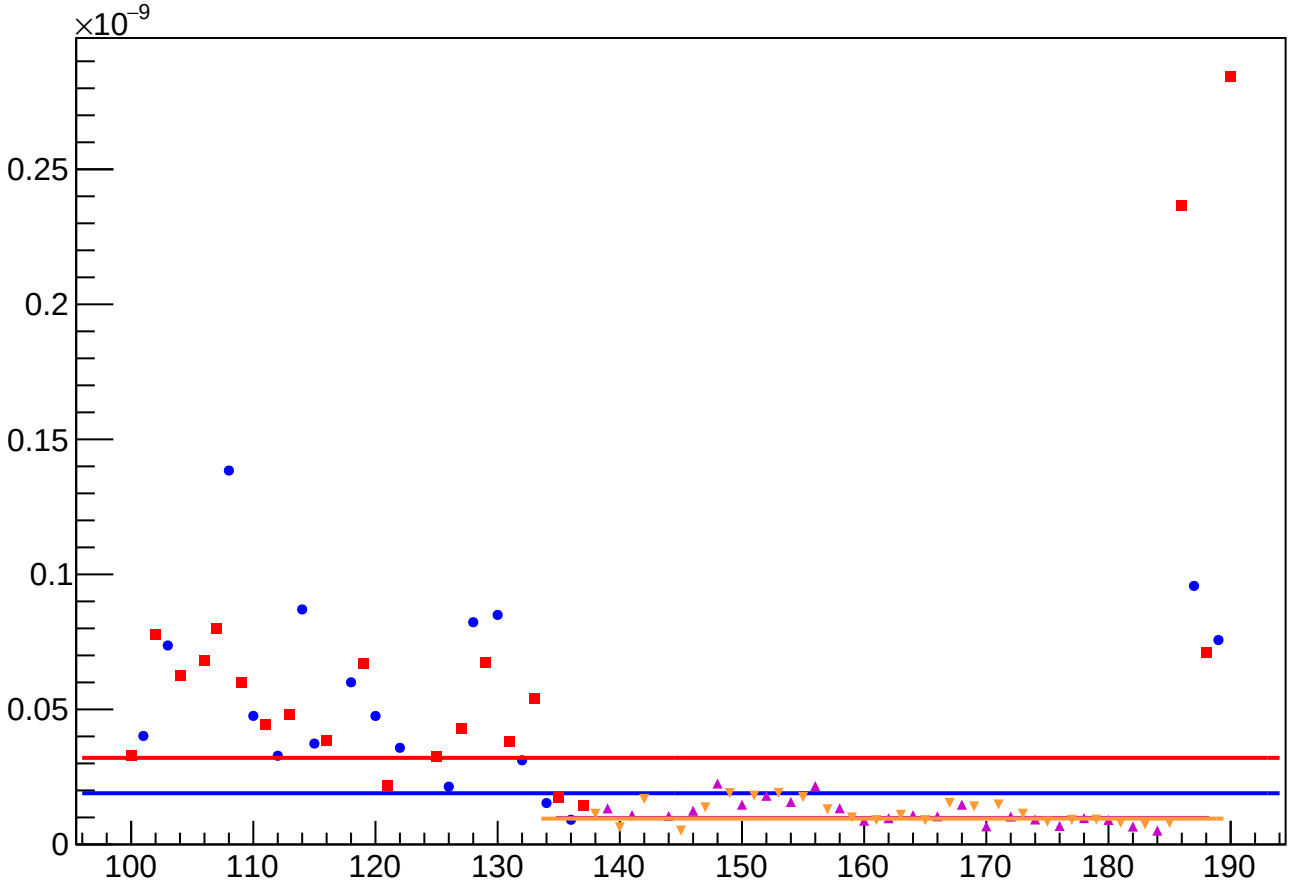
Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/20

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: 97.7/85

- sign -0.000+/-0.000 χ^2/NDF: 53.8/43



Right In: 0.000+/-0.000 χ^2/NDF: 4521211.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:2445128.6/23

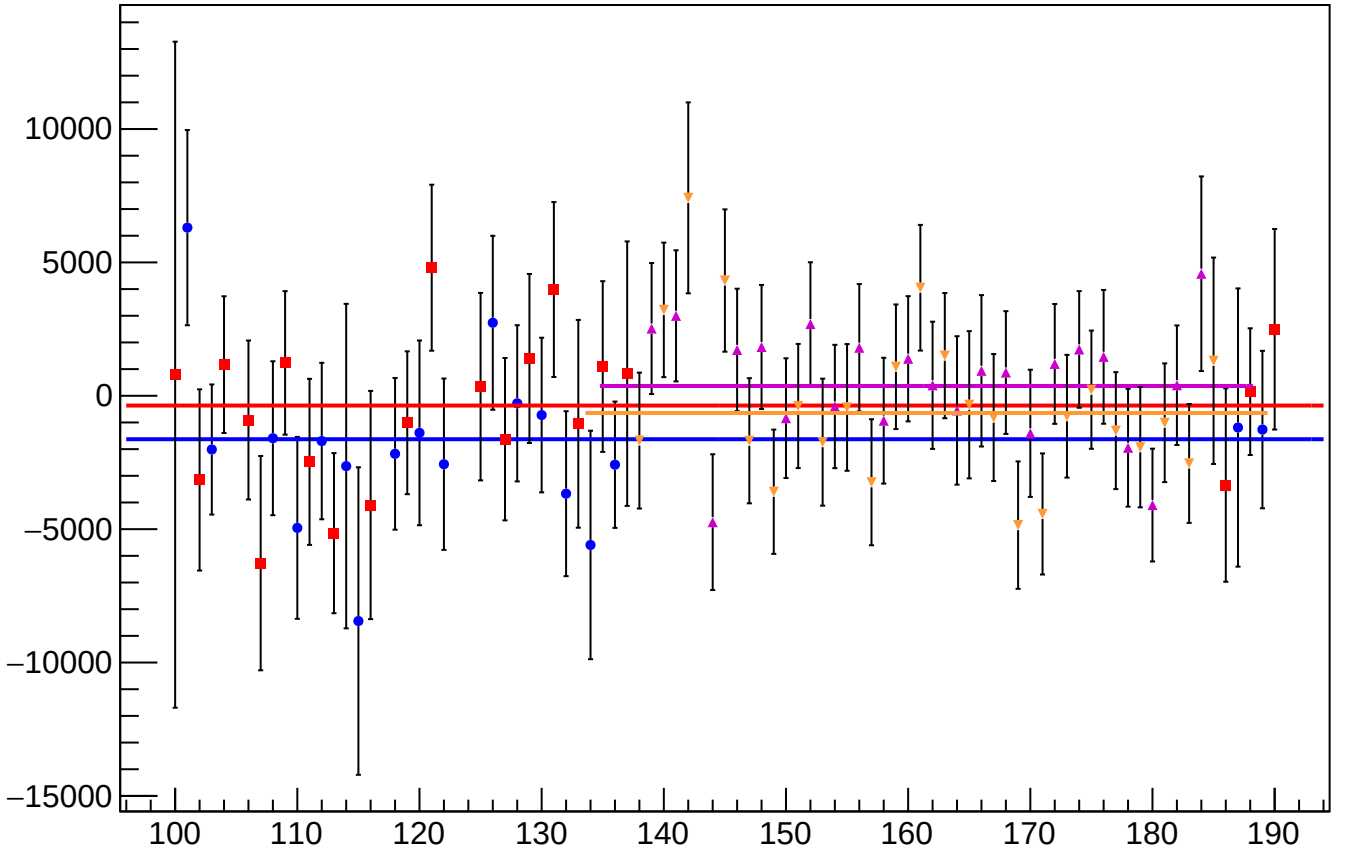
Right Out: 0.000+/-0.000 χ^2/NDF: 3555251.8/20

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: 17670428.2/85

- sign 0.000+/-0.000 χ^2/NDF: 9439556.6/43



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: -365.747+/-710.699 χ^2/NDF: 14.0/20

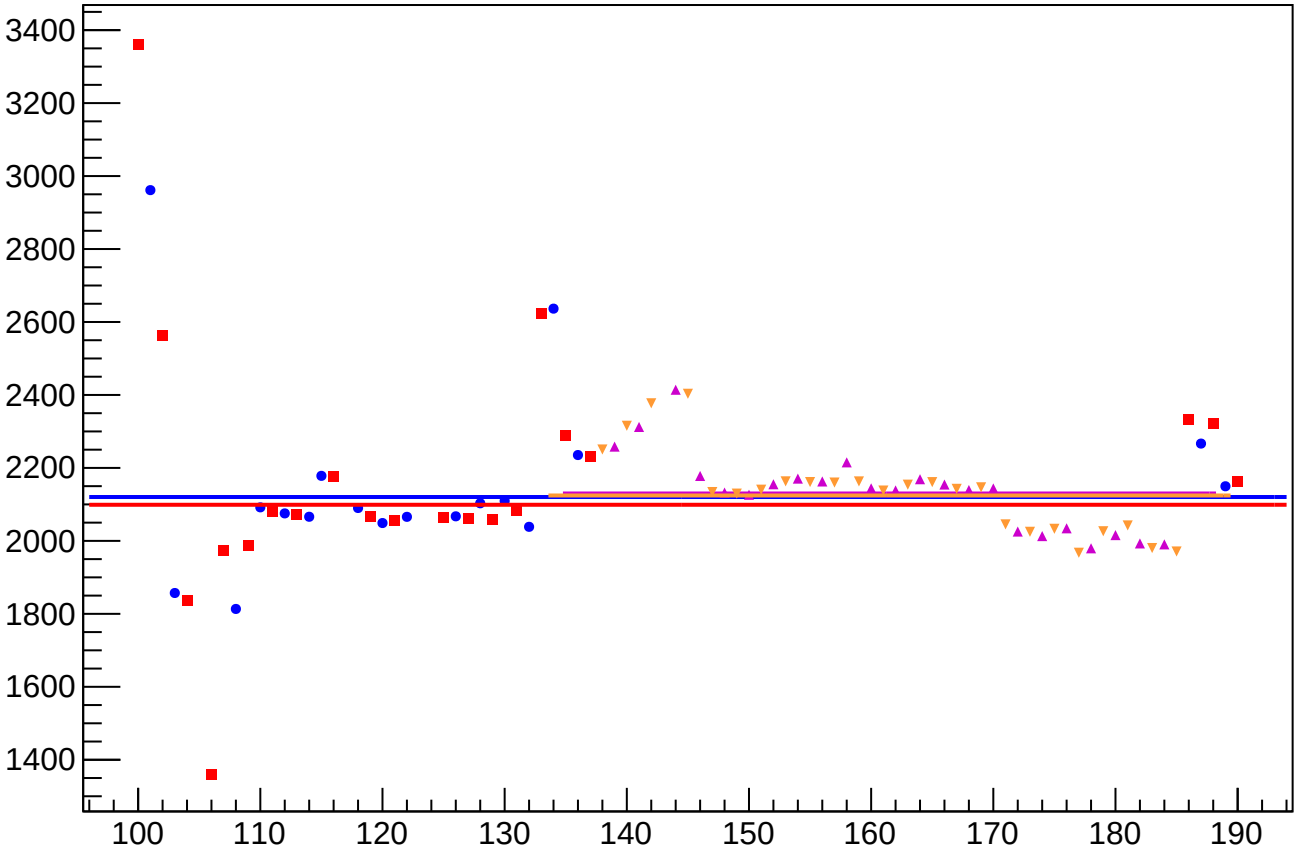
Left In: 366.759+/-497.896 χ^2/NDF:17.3/22

+ sign -937.539+/-413.513 χ^2/NDF: 39.1/41

All: -398.550+/-290.351 χ^2/NDF: 74.5/85

- sign 125.603+/-407.783 χ^2/NDF: 32.1/43

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

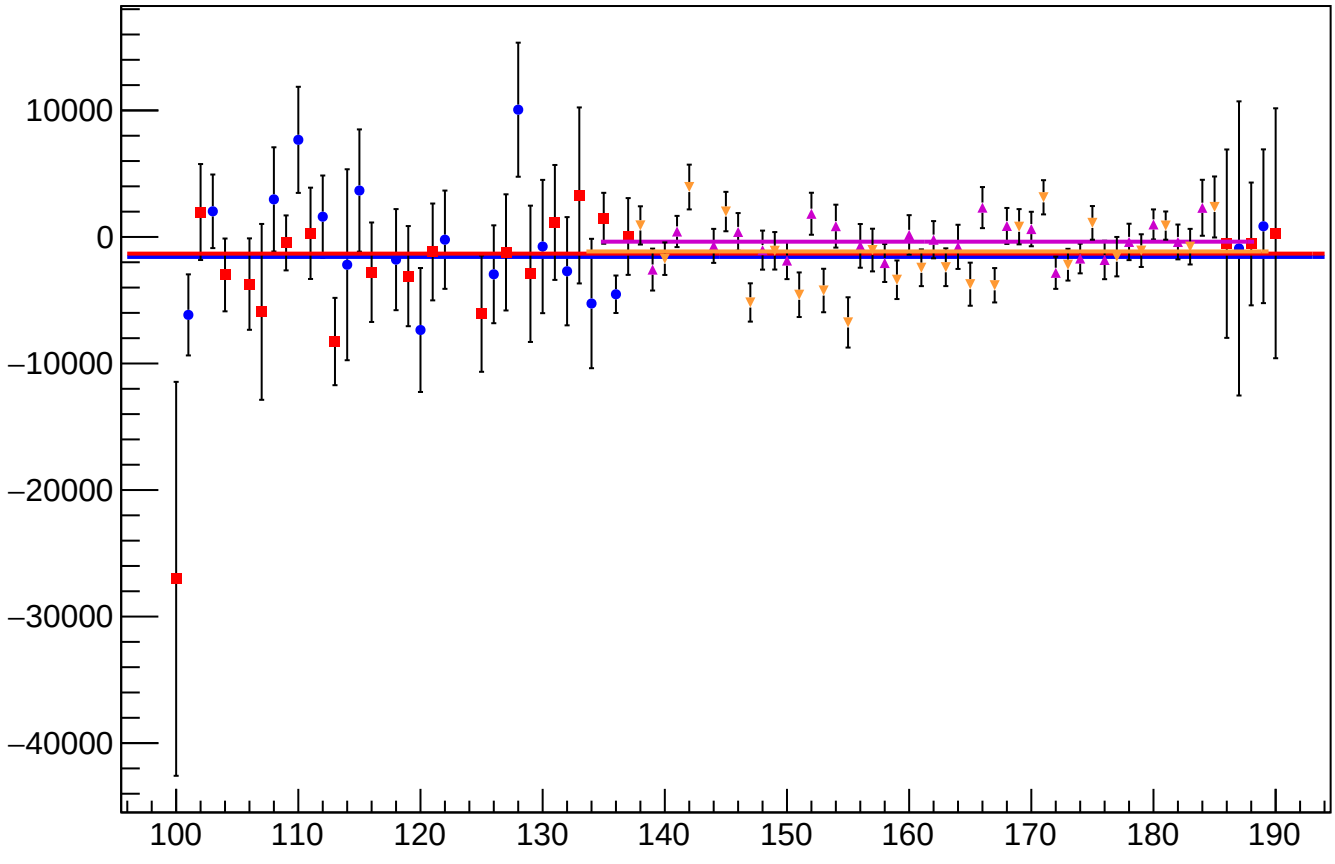
Right Out: 2098.981+/-0.503 χ^2/NDF: 280421.5/20

Left In: 2129.897+/-0.352 χ^2/NDF:85354.5/22

+ sign 2123.189+/-0.292 χ^2/NDF: 281019.7/41

All: 2121.430+/-0.205 χ^2/NDF: 649405.9/85

- sign 2119.718+/-0.288 χ^2/NDF: 368314.7/43



Right In: -1577.938+/-851.563 χ^2/NDF: 23.0/17

Left Out: -1144.817+/-302.488 χ^2/NDF:67.5/23

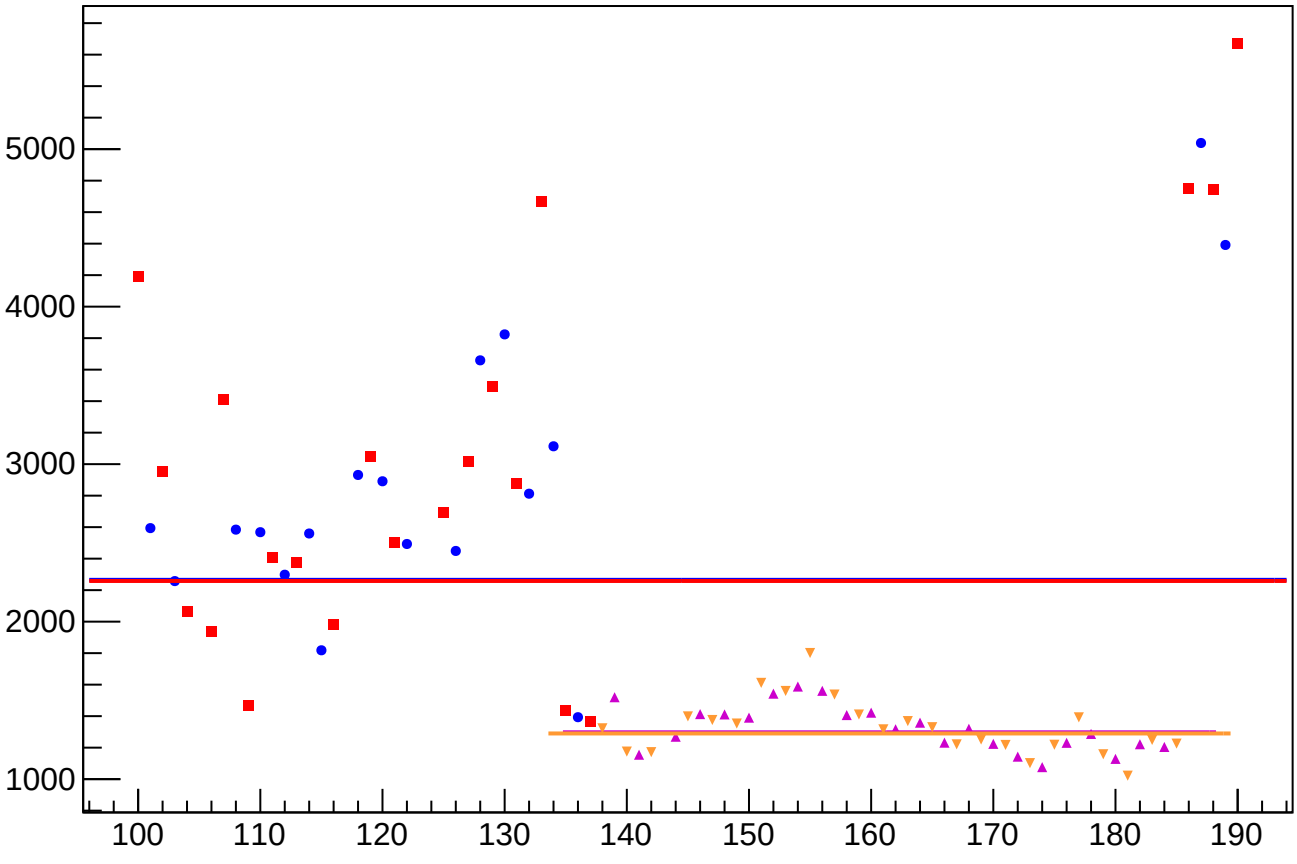
Right Out: -1317.208+/-820.168 χ^2/NDF: 13.5/20

Left In: -373.302+/-305.378 χ^2/NDF:20.3/22

+ sign -1193.344+/-285.039 χ^2/NDF: 90.8/41

All: -842.199+/-201.957 χ^2/NDF: 128.8/85

- sign -488.227+/-286.184 χ^2/NDF: 35.0/43



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: 2258.306+/-0.580 χ^2/NDF: 2494961.1/20

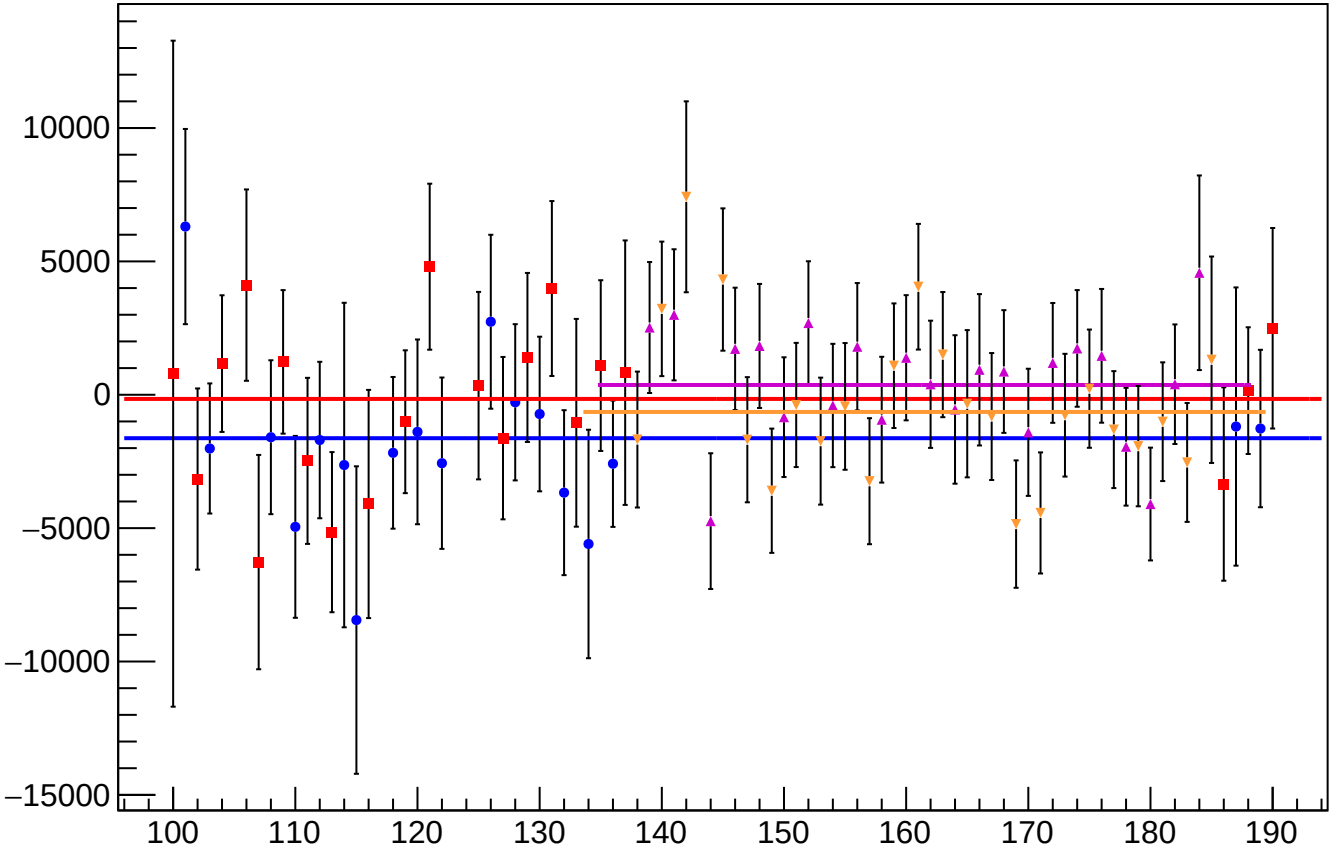
Left In: 1297.454+/-0.216 χ^2/NDF:433995.4/22

+ sign 1399.307+/-0.202 χ^2/NDF: 4514825.5/41

All: 1406.844+/-0.143 χ^2/NDF: 9857341.6/85

- sign 1414.442+/-0.202 χ^2/NDF: 5339707.7/43

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: -155.817+/-717.047 χ^2/NDF: 15.5/20

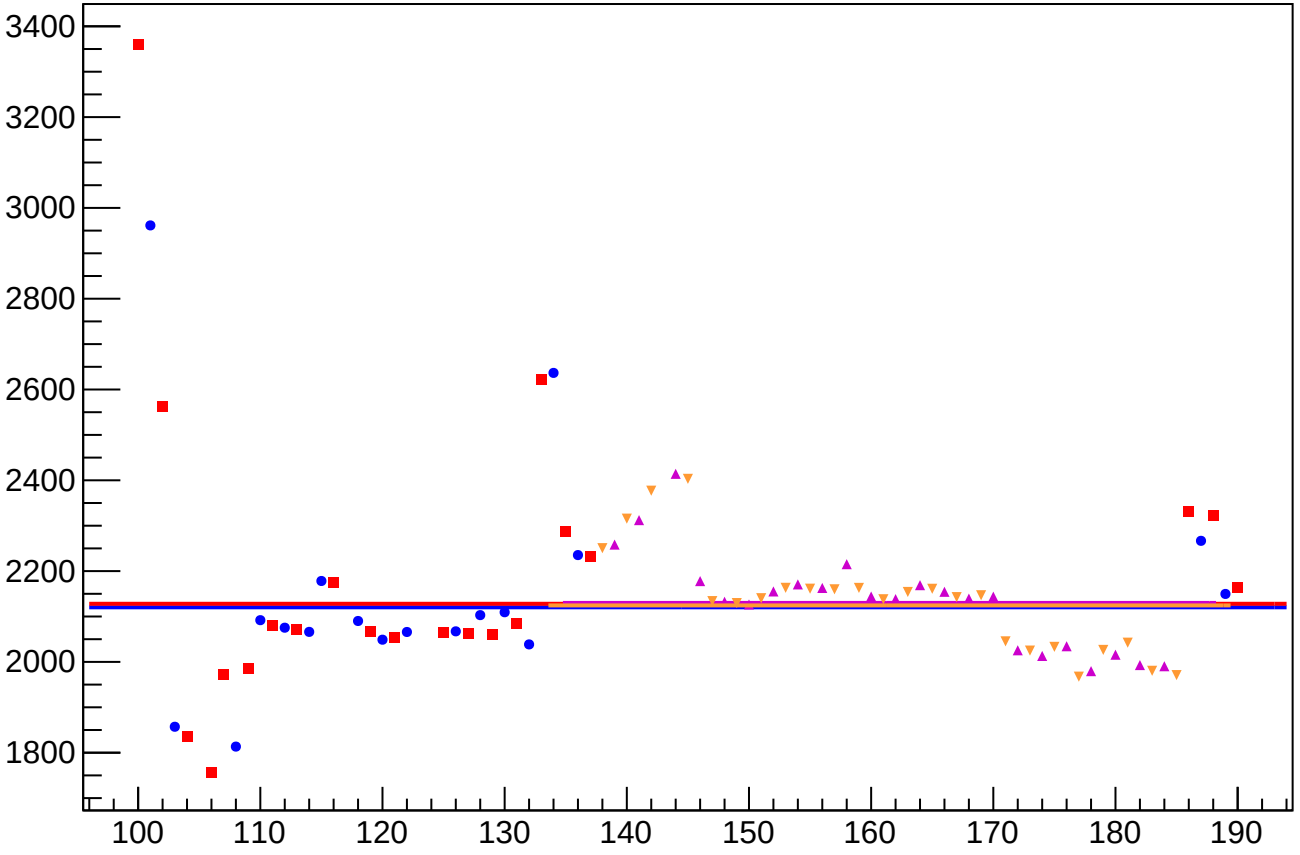
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

+ sign -937.415+/-413.513 χ^2/NDF: 39.1/41

All: -364.101+/-290.779 χ^2/NDF: 76.1/85

- sign 196.688+/-408.971 χ^2/NDF: 33.1/43

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

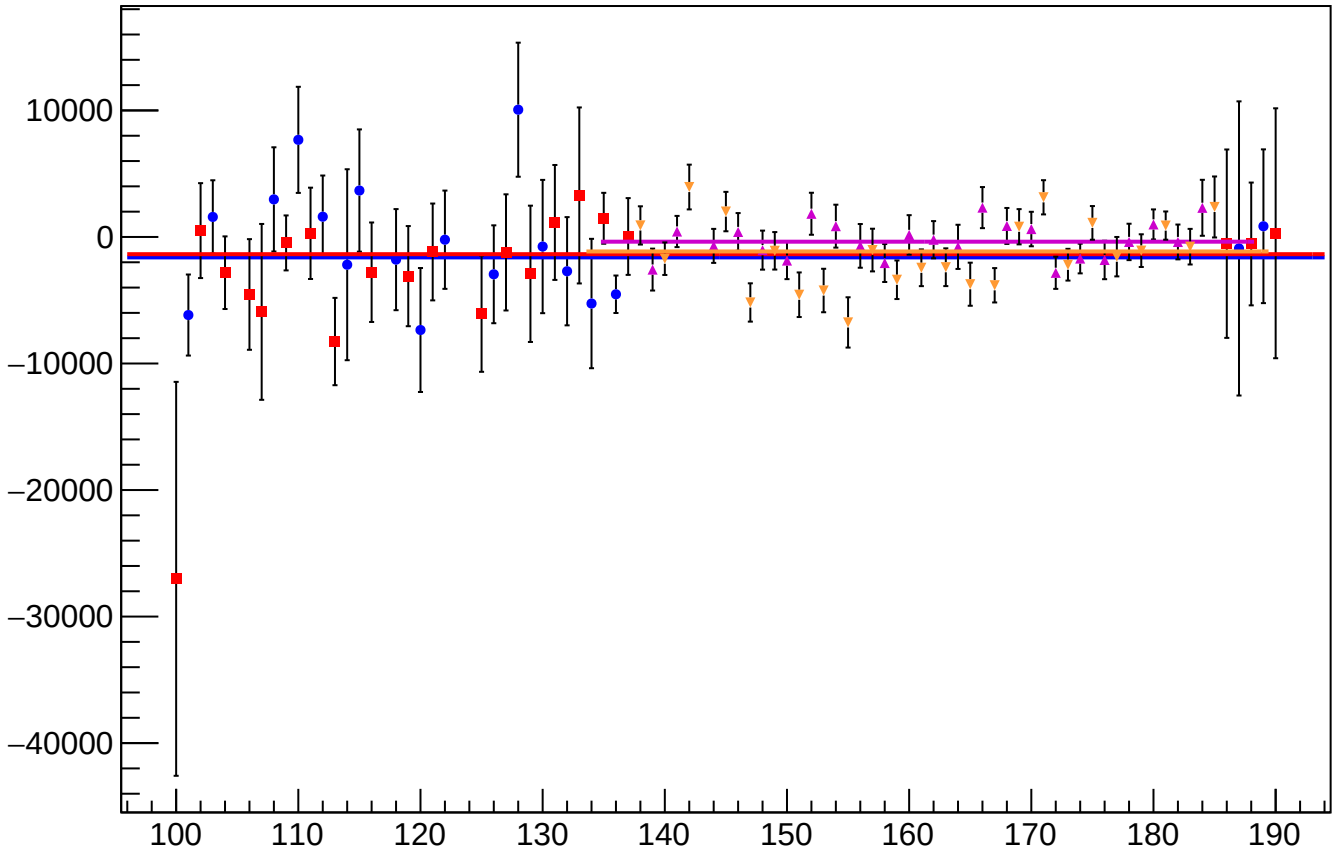
Right Out: 2128.017+/-0.507 χ^2/NDF: 172716.0/20

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

+ sign 2123.189+/-0.292 χ^2/NDF: 281020.0/41

All: 2126.271+/-0.206 χ^2/NDF: 539319.5/85

- sign 2129.285+/-0.289 χ^2/NDF: 258079.7/43



Right In: -1615.017+/-851.283 χ^2/NDF: 22.7/17

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

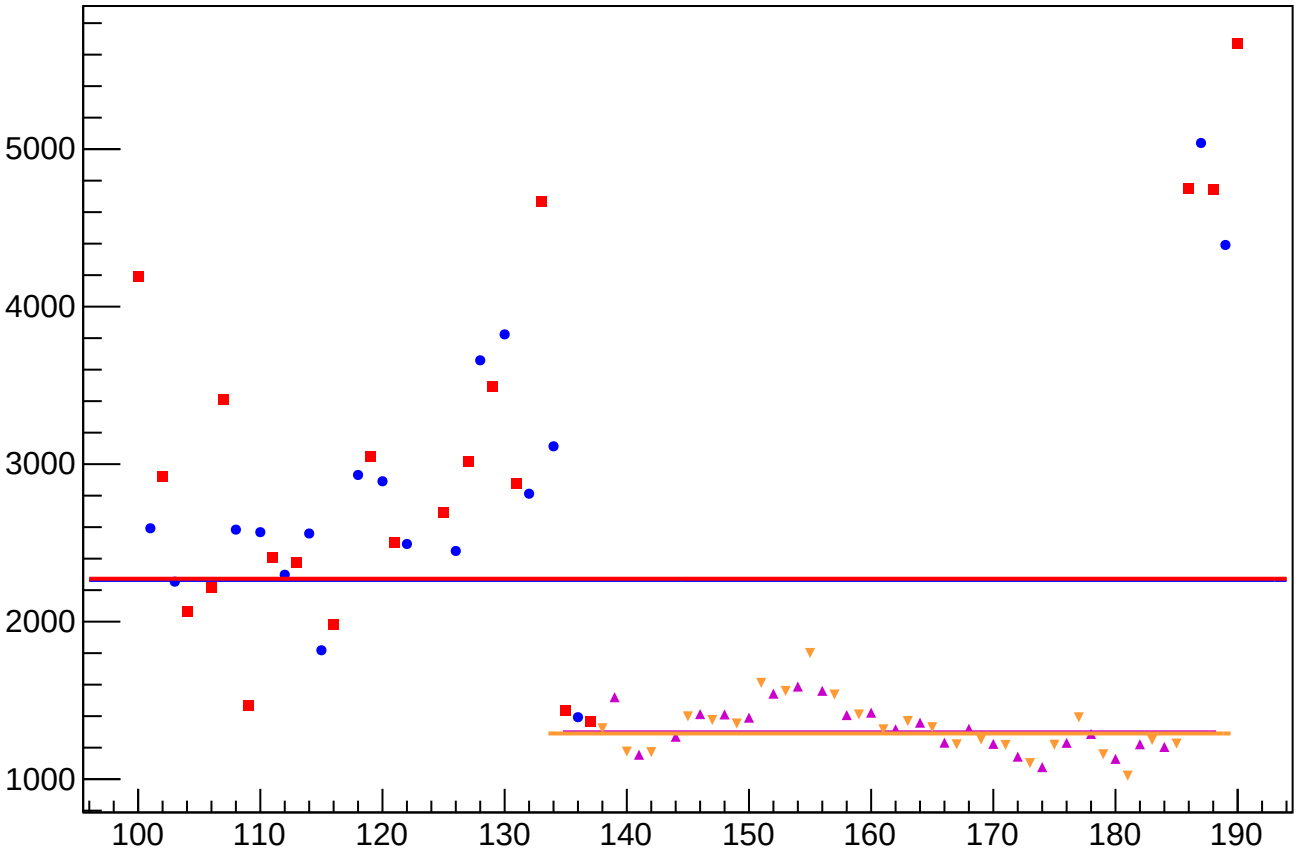
Right Out: -1360.451+/-826.347 χ^2/NDF: 13.0/20

Left In: -373.186+/-305.379 χ^2/NDF:20.3/22

+ sign -1197.497+/-285.031 χ^2/NDF: 90.5/41

All: -846.402+/-202.045 χ^2/NDF: 128.1/85

- sign -491.815+/-286.445 χ^2/NDF: 34.6/43



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: 2272.504+/-0.584 χ^2/NDF: 2475010.9/20

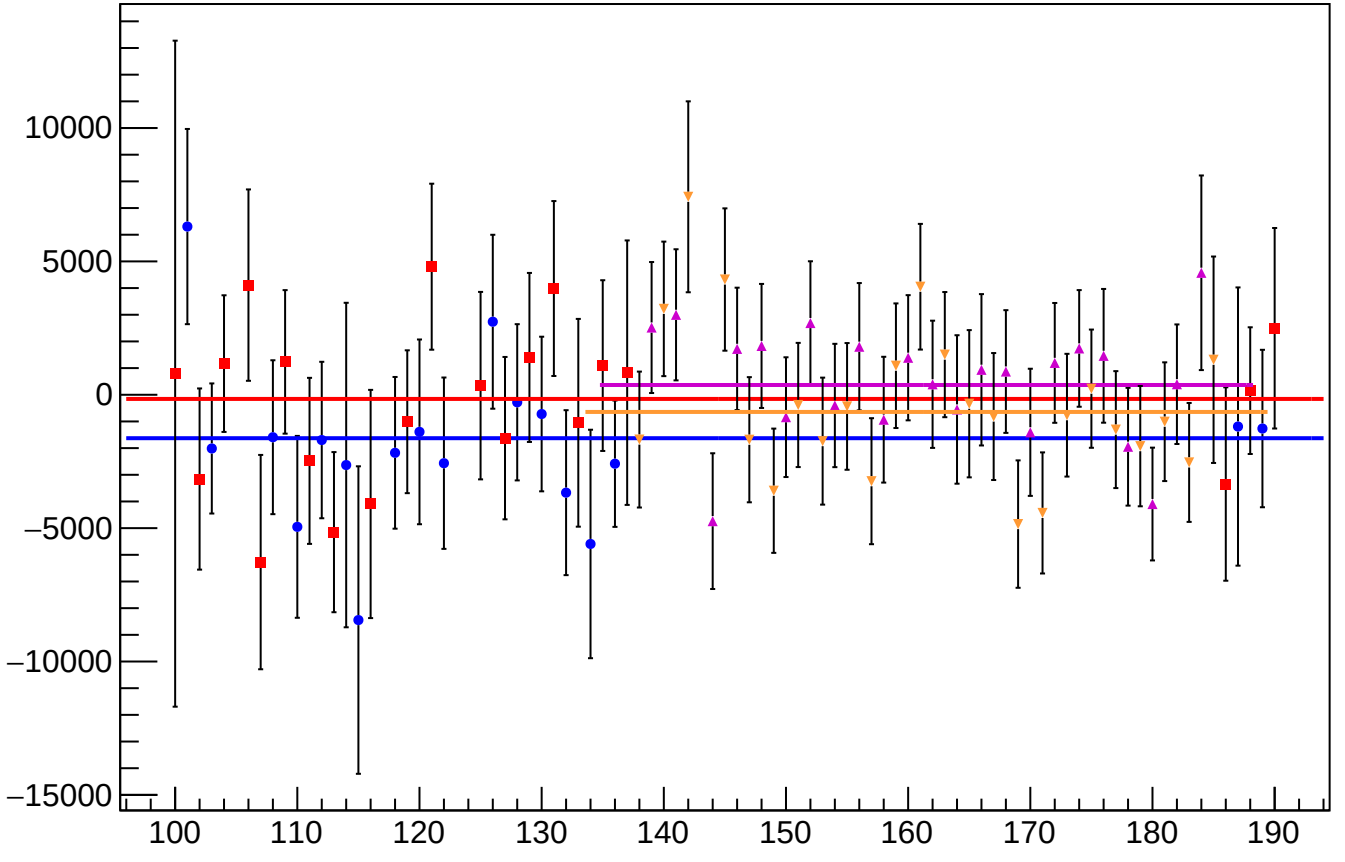
Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

+ sign 1399.341+/-0.202 χ^2/NDF: 4514184.0/41

All: 1406.942+/-0.143 χ^2/NDF: 9876023.9/85

- sign 1414.618+/-0.203 χ^2/NDF: 5358981.2/43

eigen_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: -155.817+/-717.047 χ^2/NDF: 15.5/20

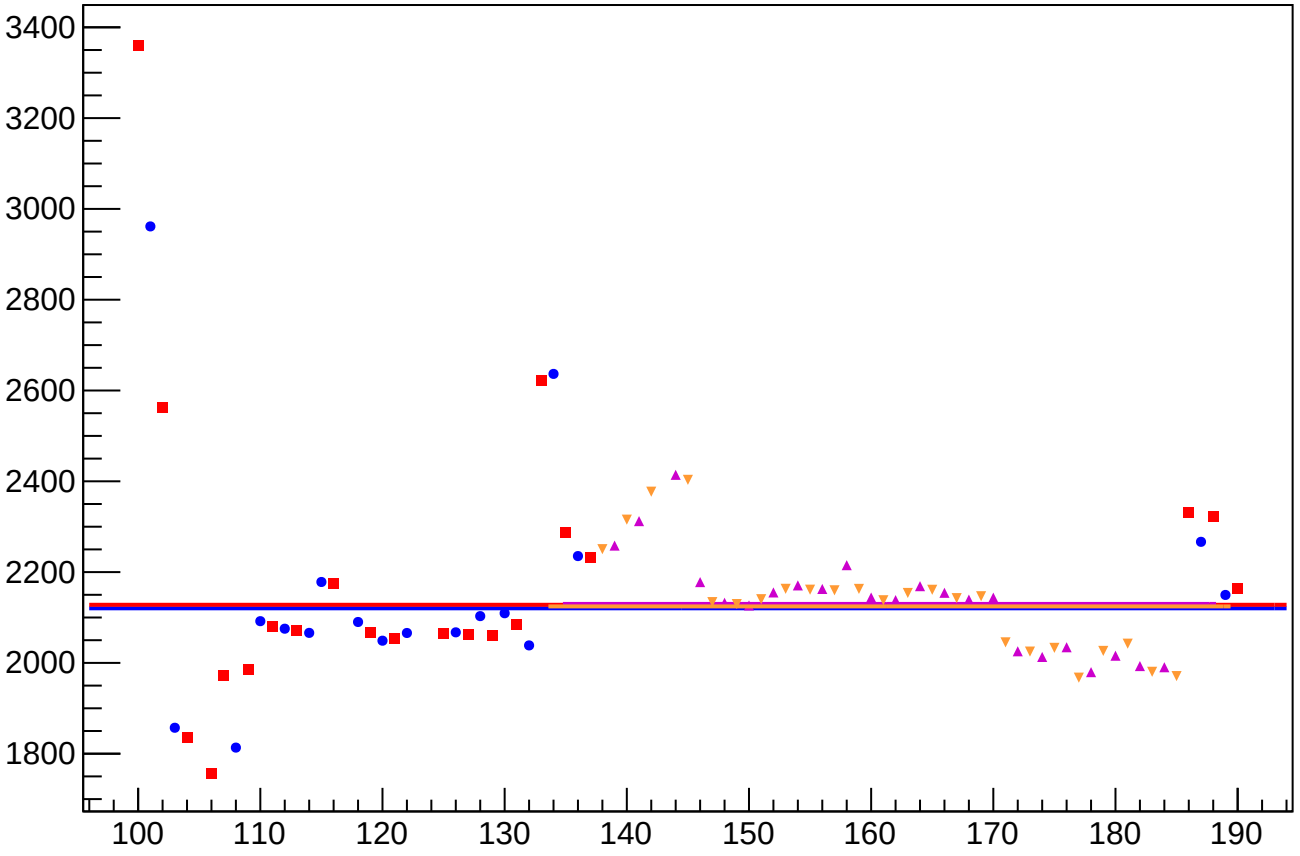
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

+ sign -937.415+/-413.513 χ^2/NDF: 39.1/41

All: -364.101+/-290.779 χ^2/NDF: 76.1/85

- sign 196.688+/-408.971 χ^2/NDF: 33.1/43

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

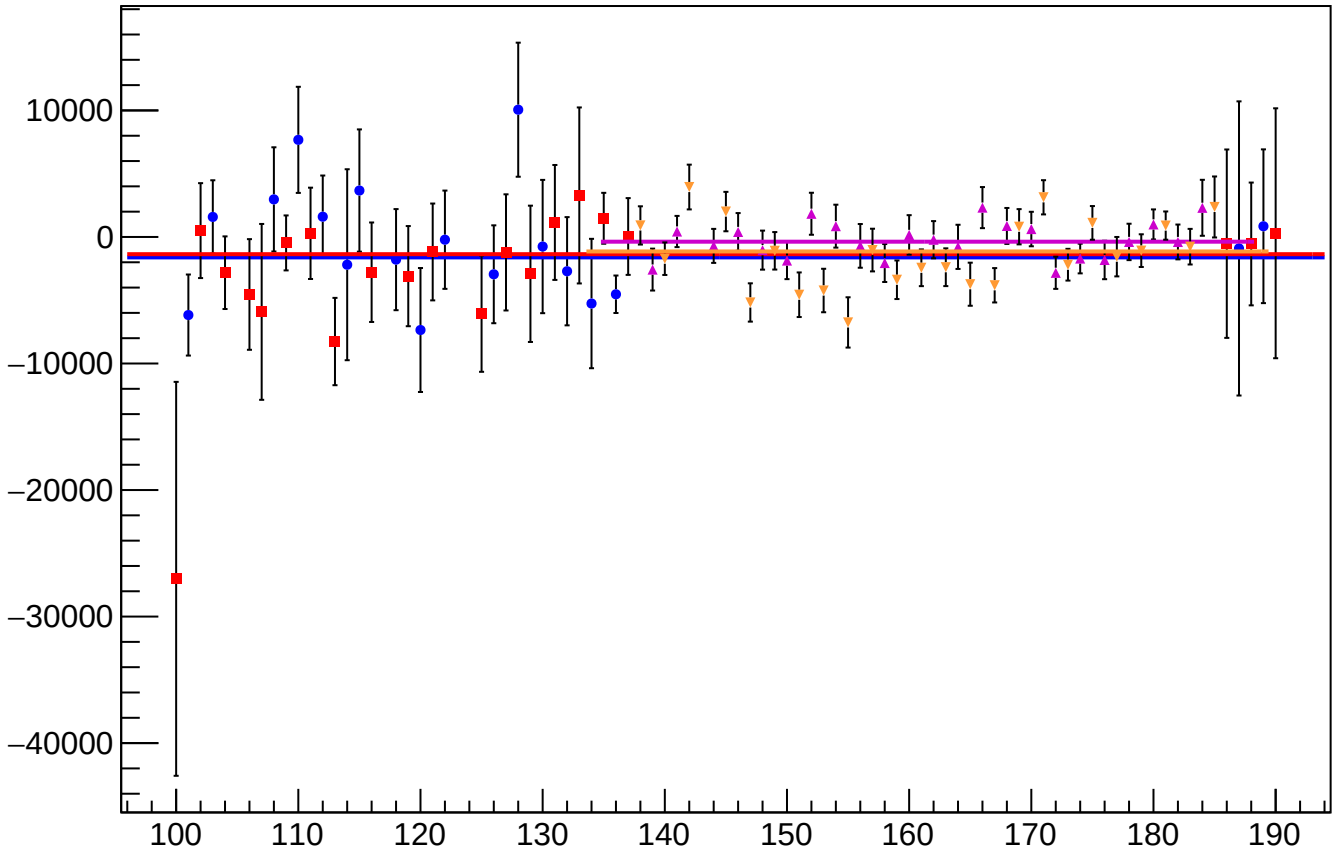
Right Out: 2128.017+/-0.507 χ^2/NDF: 172716.0/20

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

+ sign 2123.189+/-0.292 χ^2/NDF: 281020.0/41

All: 2126.271+/-0.206 χ^2/NDF: 539319.5/85

- sign 2129.285+/-0.289 χ^2/NDF: 258079.7/43



Right In: -1615.017+/-851.283 χ^2/NDF: 22.7/17

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

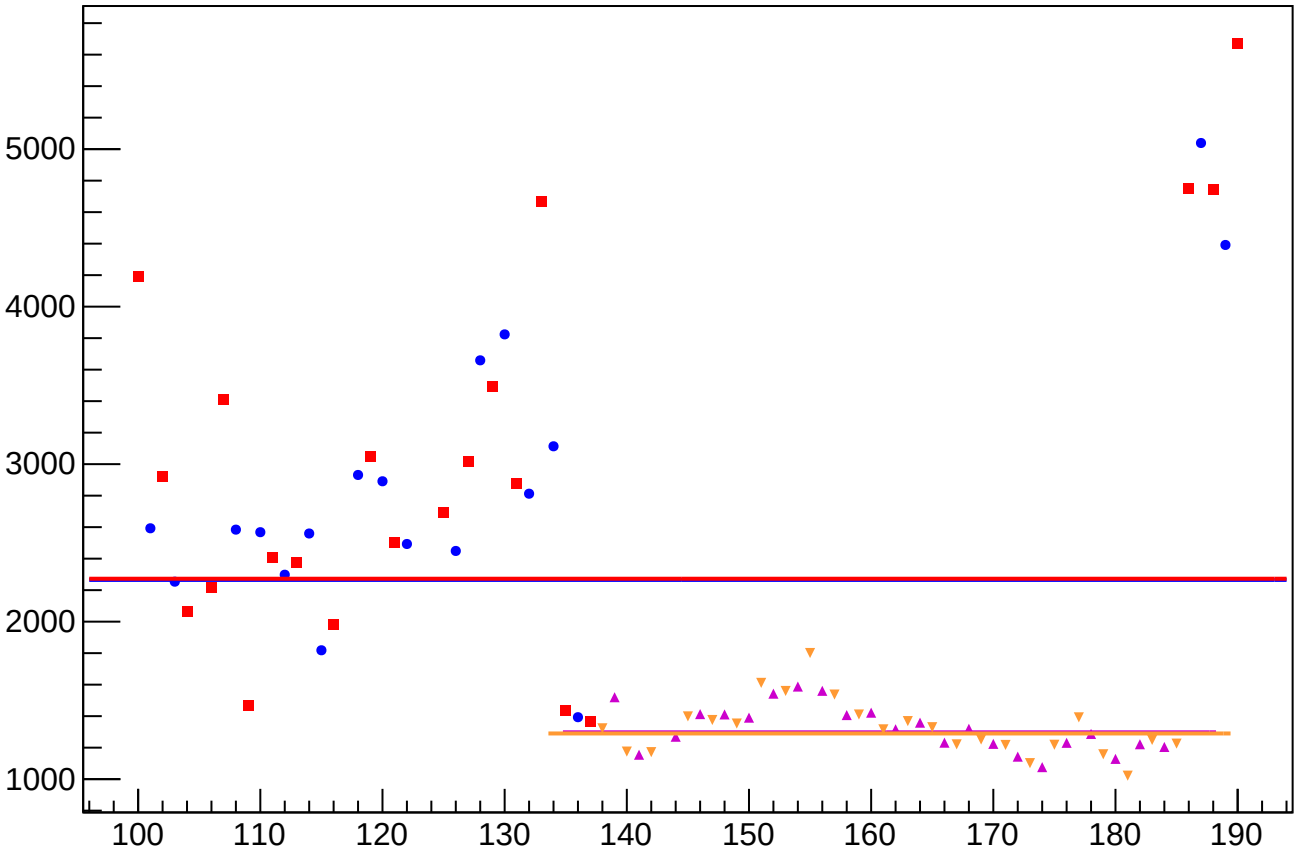
Right Out: -1360.451+/-826.347 χ^2/NDF: 13.0/20

Left In: -373.186+/-305.379 χ^2/NDF:20.3/22

+ sign -1197.497+/-285.031 χ^2/NDF: 90.5/41

All: -846.402+/-202.045 χ^2/NDF: 128.1/85

- sign -491.815+/-286.445 χ^2/NDF: 34.6/43



Right In: 2264.999+/-0.602 χ^2/NDF: 1617060.5/17

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

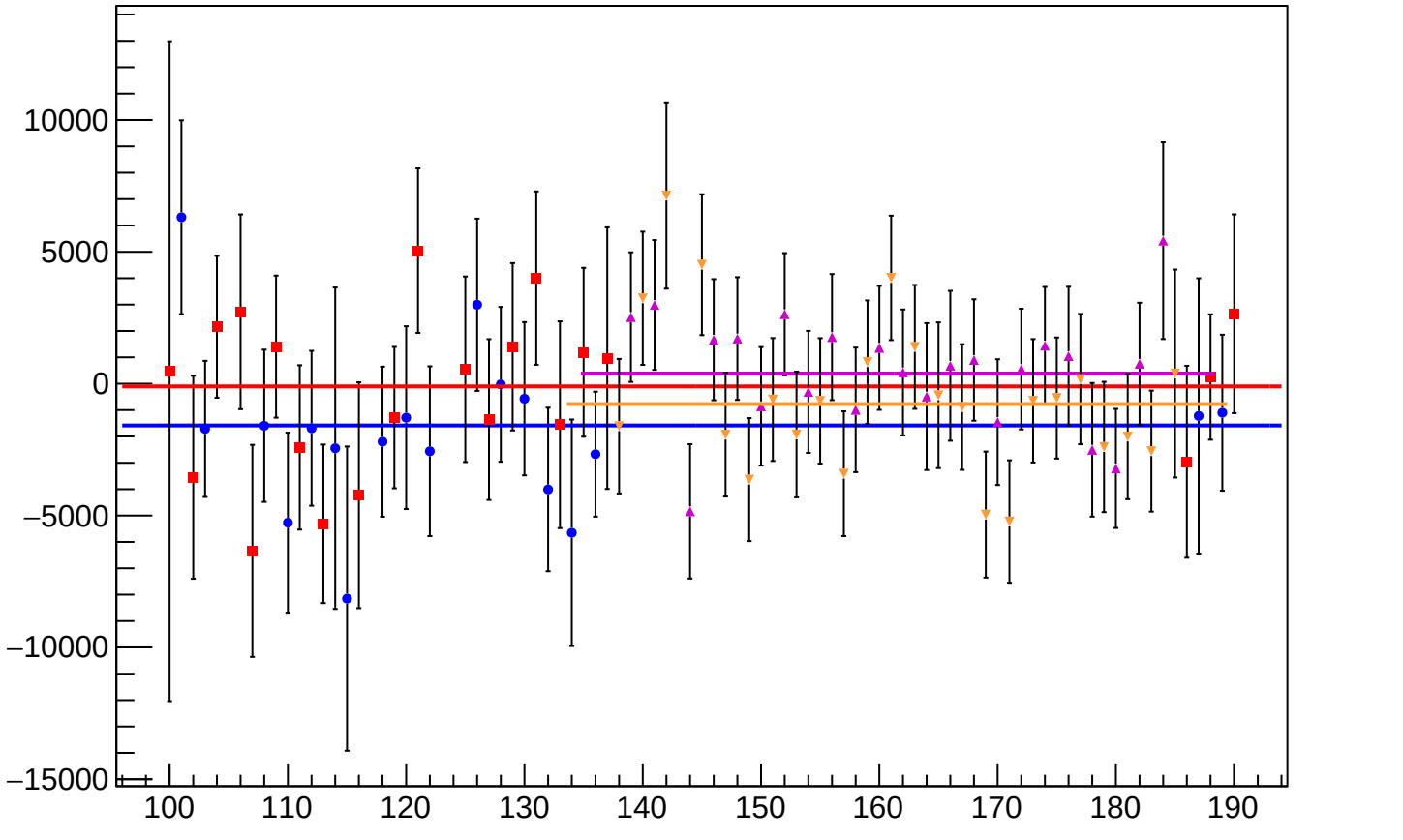
Right Out: 2272.504+/-0.584 χ^2/NDF: 2475010.9/20

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

\+ sign 1399.341+/-0.202 χ^2/NDF: 4514184.0/41

All: 1406.942+/-0.143 χ^2/NDF: 9876023.9/85

\- sign 1414.618+/-0.203 χ^2/NDF: 5358981.2/43



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: -102.118+/-725.195 χ^2/NDF: 15.7/20

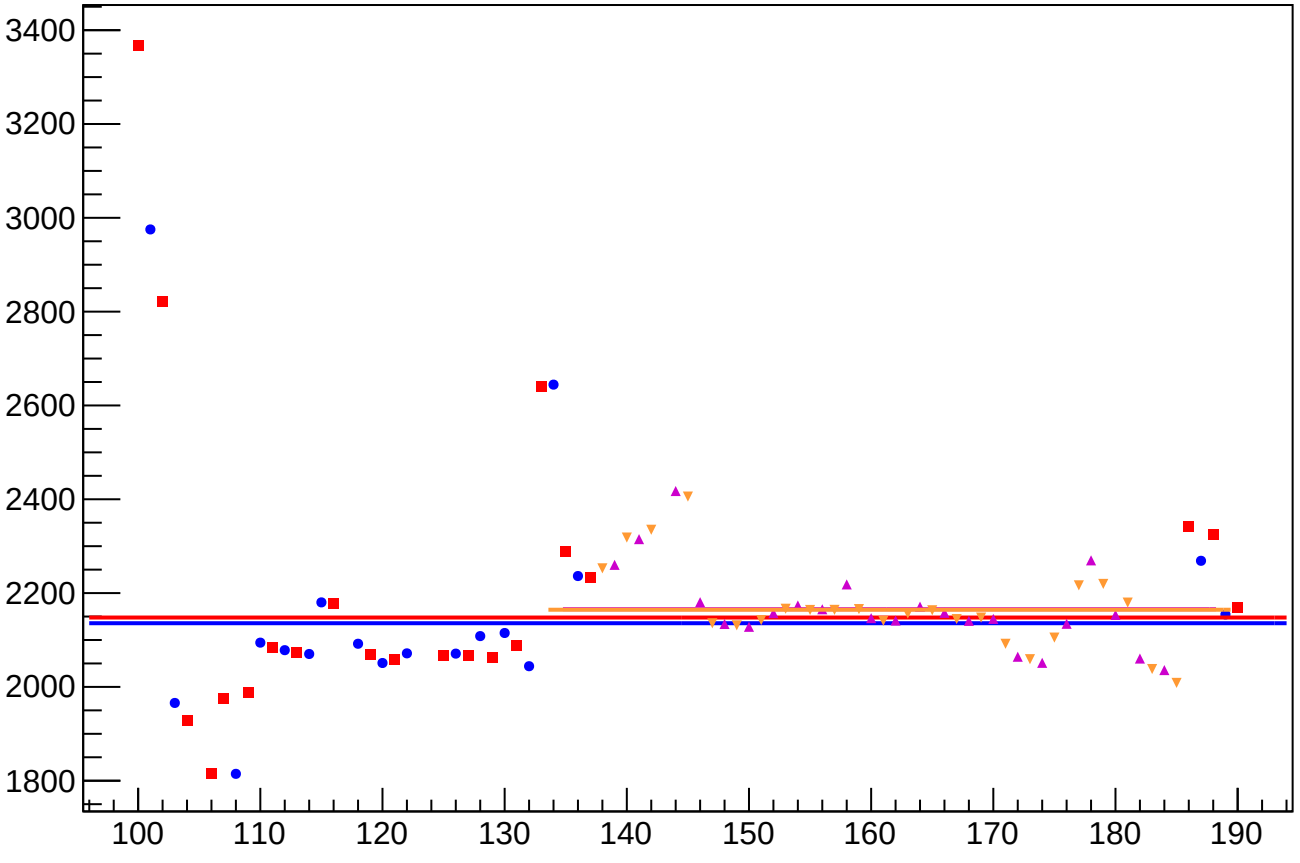
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

\+ sign -1019.349+/-419.710 χ^2/NDF: 40.7/41

All: -389.820+/-295.100 χ^2/NDF: 76.8/85

\- sign 225.659+/-415.000 χ^2/NDF: 31.7/43

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

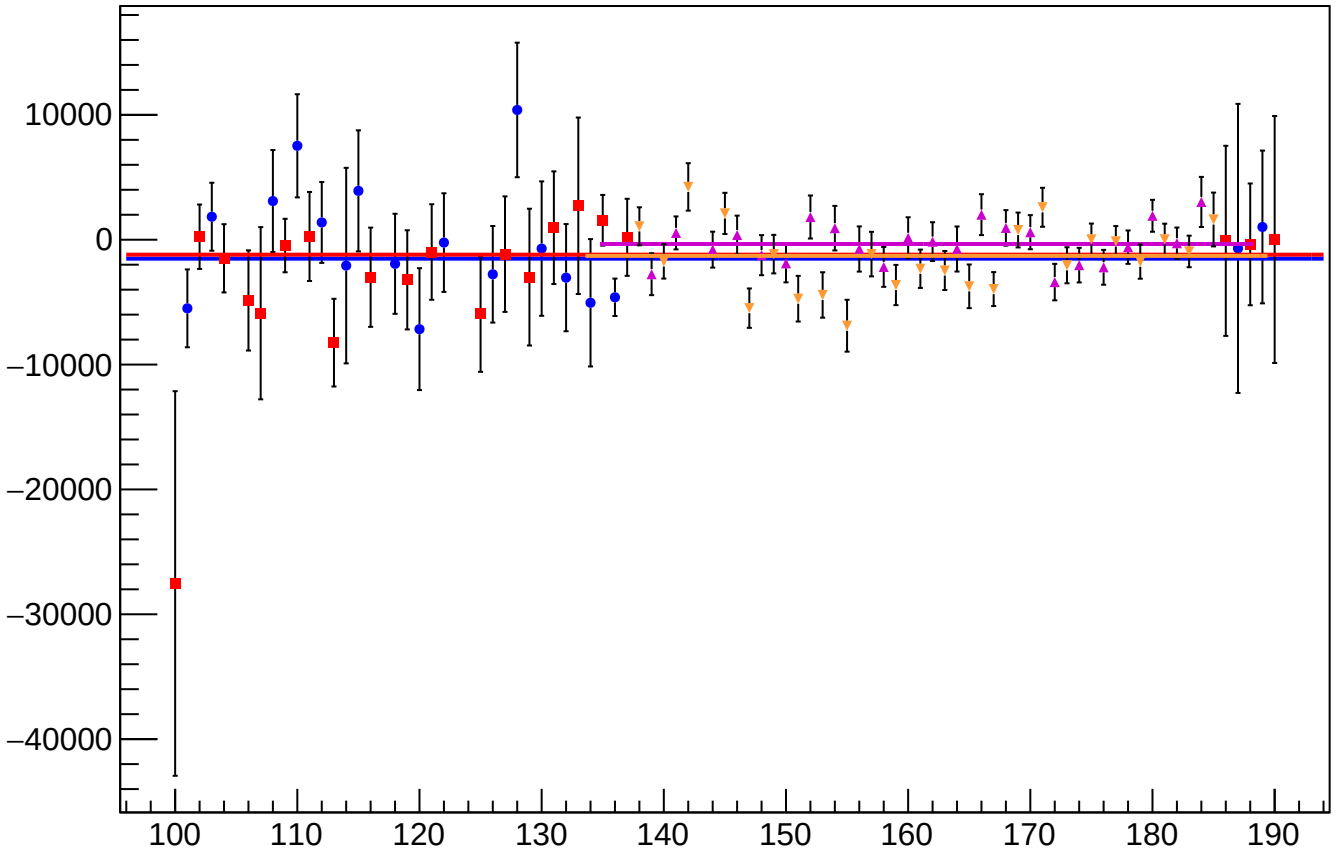
Right Out: 2147.905+/-0.513 χ^2/NDF: 183272.1/20

Left In: 2165.643+/-0.358 χ^2/NDF:52124.5/22

+ sign 2155.809+/-0.297 χ^2/NDF: 230046.6/41

All: 2157.845+/-0.209 χ^2/NDF: 466340.9/85

- sign 2159.834+/-0.293 χ^2/NDF: 236201.3/43



Right In: -1516.404+/-849.093 χ^2/NDF: 22.8/17

Left Out: -1293.716+/-310.622 χ^2/NDF:58.7/23

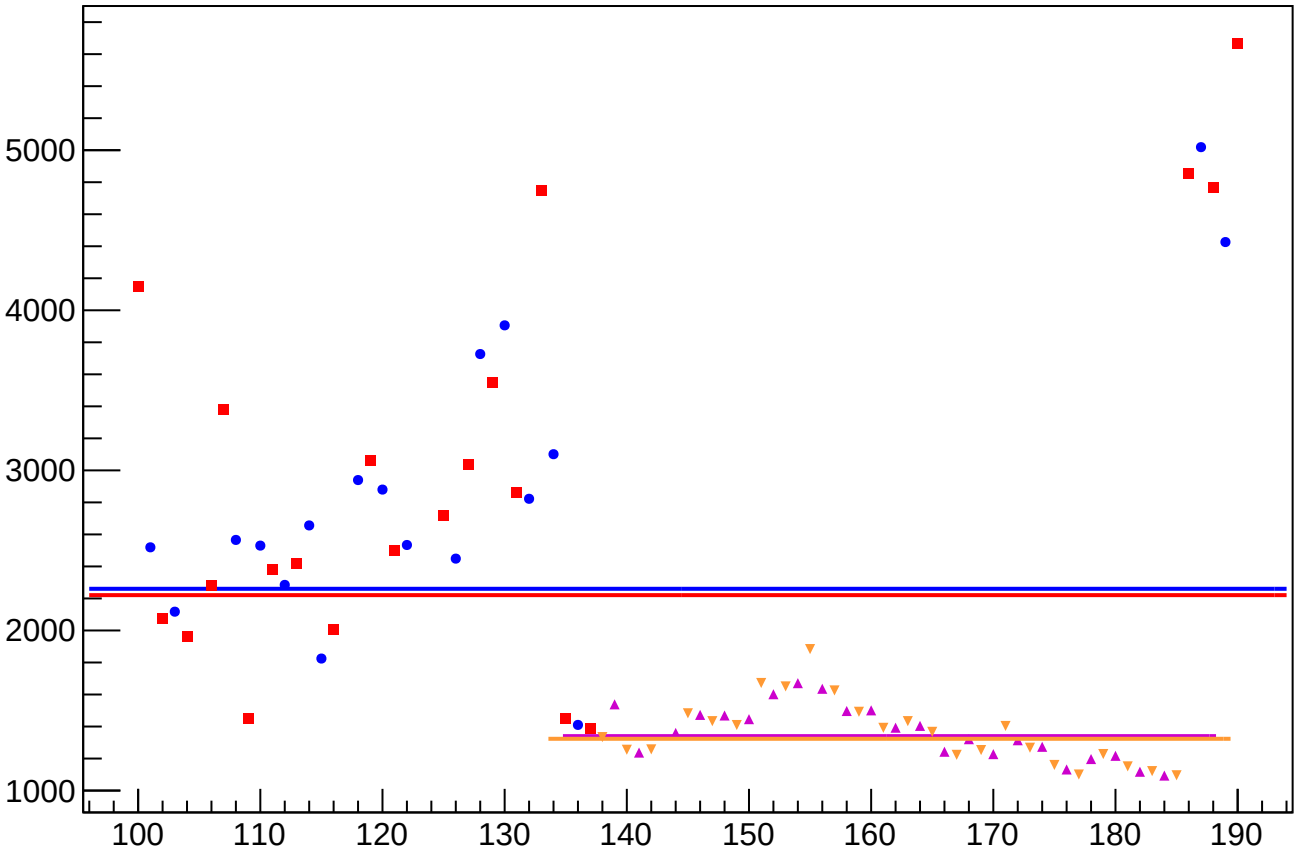
Right Out: -1196.535+/-801.269 χ^2/NDF: 13.1/20

Left In: -341.259+/-315.566 χ^2/NDF:24.8/22

+ sign -1320.001+/-291.715 χ^2/NDF: 81.5/41

All: -890.858+/-206.942 χ^2/NDF: 124.8/85

- sign -456.103+/-293.616 χ^2/NDF: 38.9/43



Right In: 2260.377+/-0.600 χ^2/NDF: 1596349.9/17

Left Out: 1323.402+/-0.220 χ^2/NDF:663859.2/23

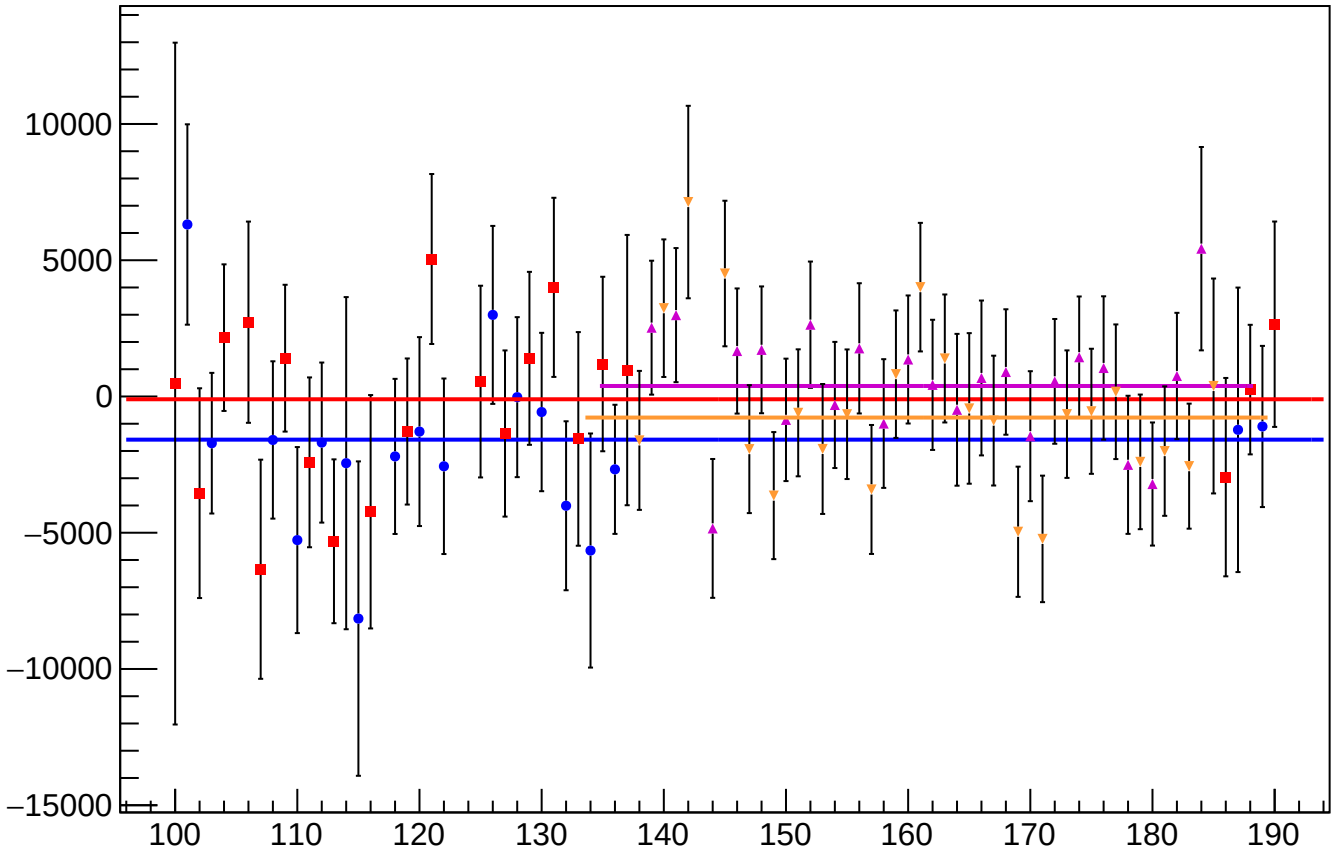
Right Out: 2220.721+/-0.567 χ^2/NDF: 2450103.1/20

Left In: 1340.084+/-0.223 χ^2/NDF:494267.4/22

+ sign 1433.997+/-0.206 χ^2/NDF: 4408173.3/41

All: 1446.086+/-0.146 χ^2/NDF: 9450898.6/85

- sign 1458.334+/-0.208 χ^2/NDF: 5035810.4/43



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: -102.115+/-725.195 χ^2/NDF: 15.7/20

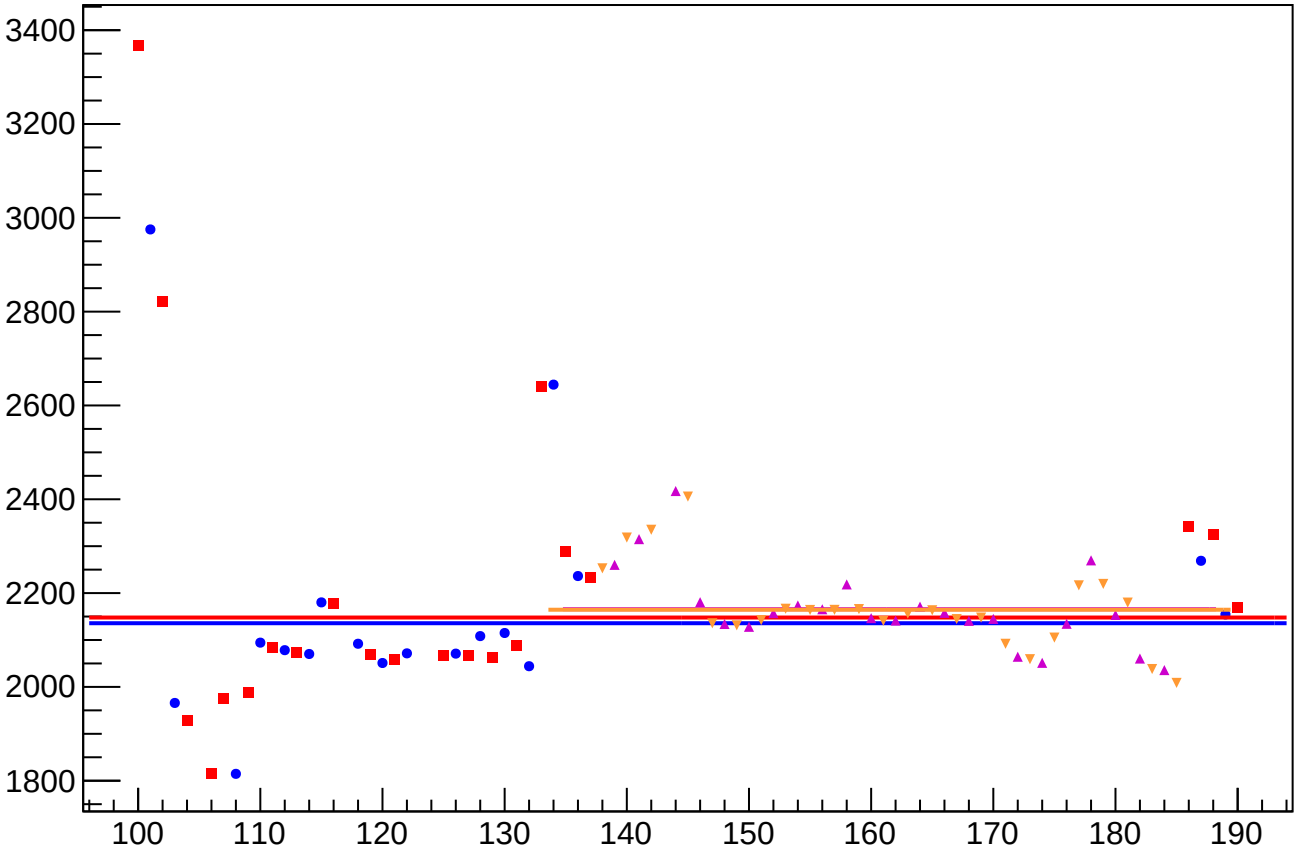
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

\+ sign -1019.348+/-419.709 χ^2/NDF: 40.7/41

All: -389.819+/-295.100 χ^2/NDF: 76.8/85

\- sign 225.660+/-415.000 χ^2/NDF: 31.7/43

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

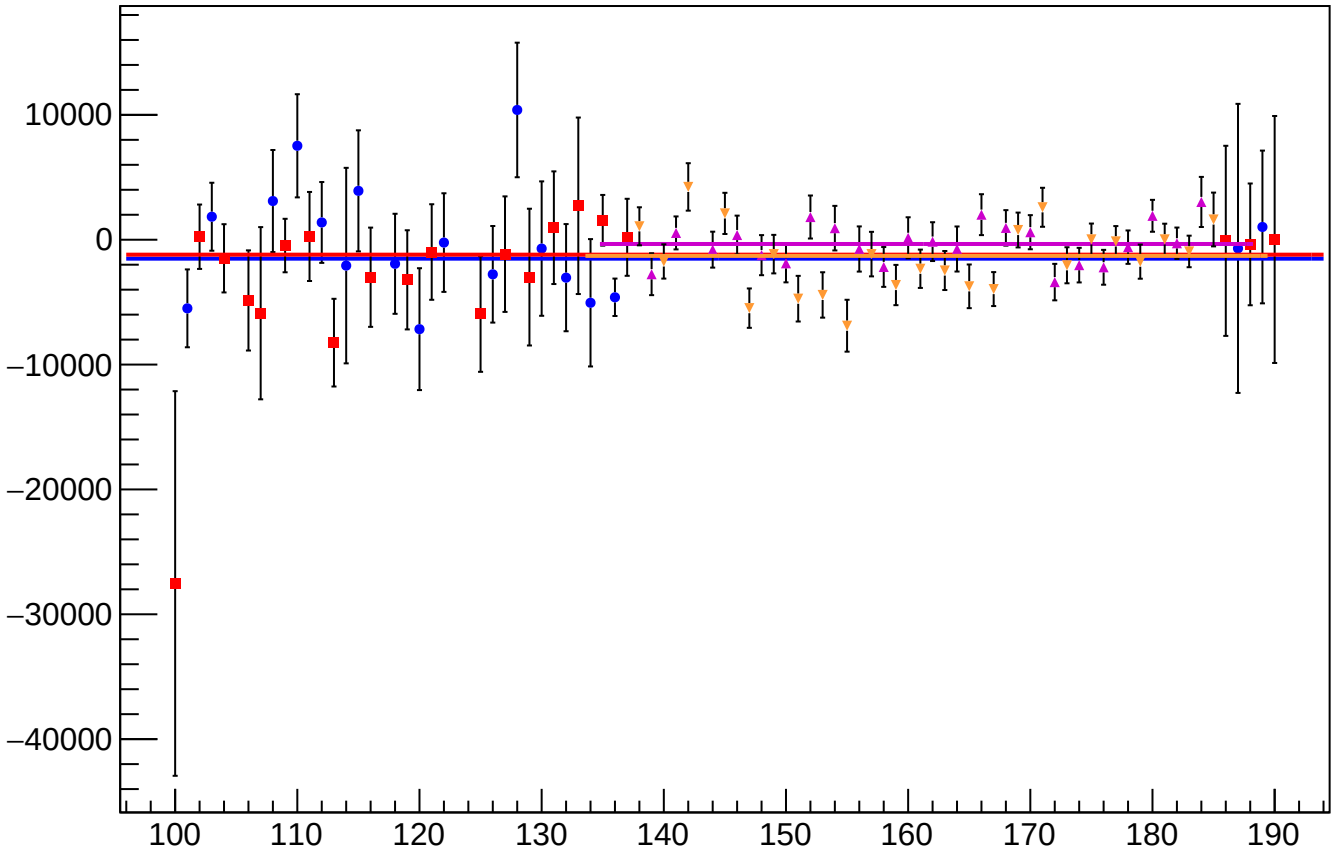
Right Out: 2147.905+/-0.513 χ^2/NDF: 183272.0/20

Left In: 2165.643+/-0.358 χ^2/NDF:52124.4/22

+ sign 2155.809+/-0.297 χ^2/NDF: 230046.6/41

All: 2157.844+/-0.209 χ^2/NDF: 466340.8/85

- sign 2159.834+/-0.293 χ^2/NDF: 236201.2/43



Right In: -1516.391+/-849.096 χ^2/NDF: 22.8/17

Left Out: -1293.717+/-310.622 χ^2/NDF:58.7/23

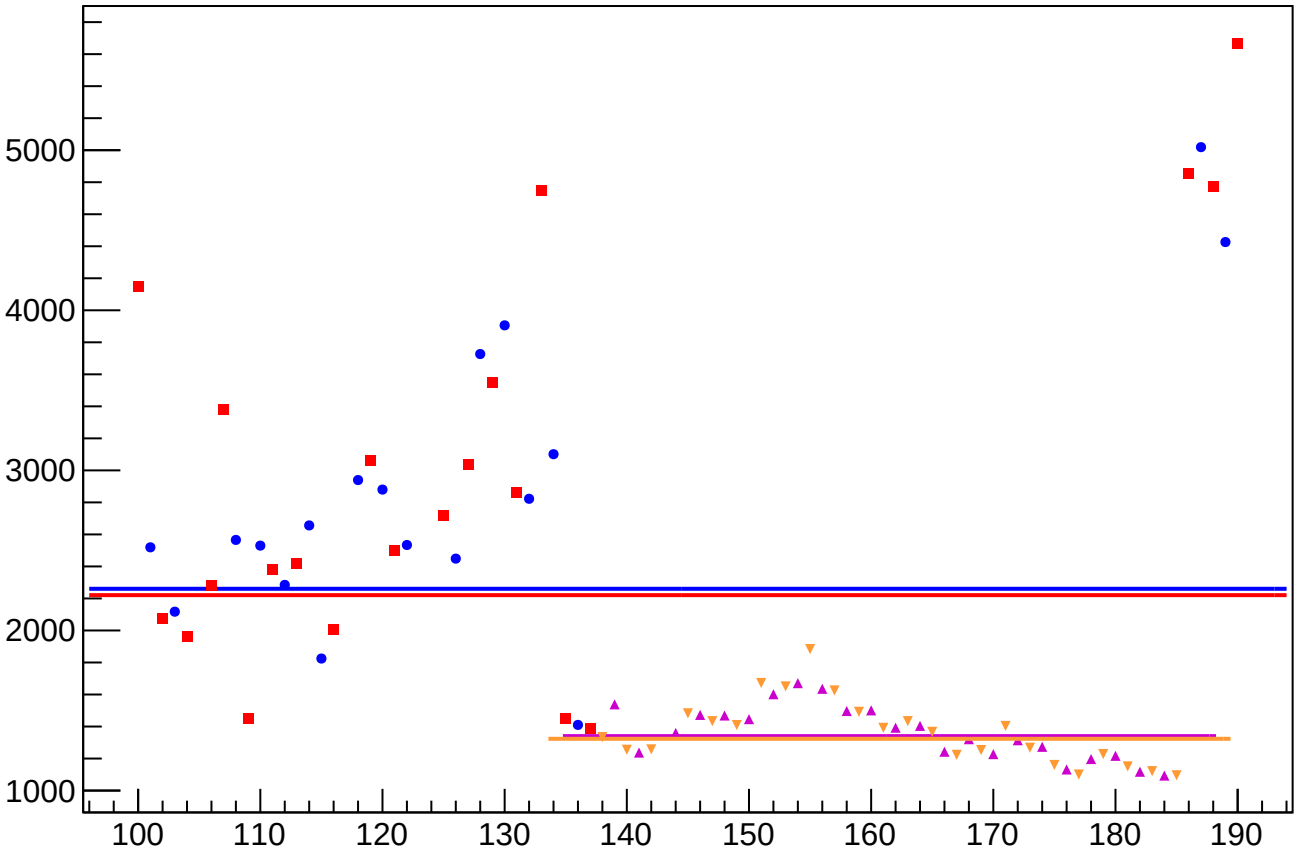
Right Out: -1196.549+/-801.272 χ^2/NDF: 13.1/20

Left In: -341.256+/-315.566 χ^2/NDF:24.8/22

+ sign -1320.000+/-291.715 χ^2/NDF: 81.5/41

All: -890.857+/-206.942 χ^2/NDF: 124.8/85

- sign -456.102+/-293.616 χ^2/NDF: 38.9/43



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: 2220.733+/-0.567 χ^2/NDF: 2450047.8/20

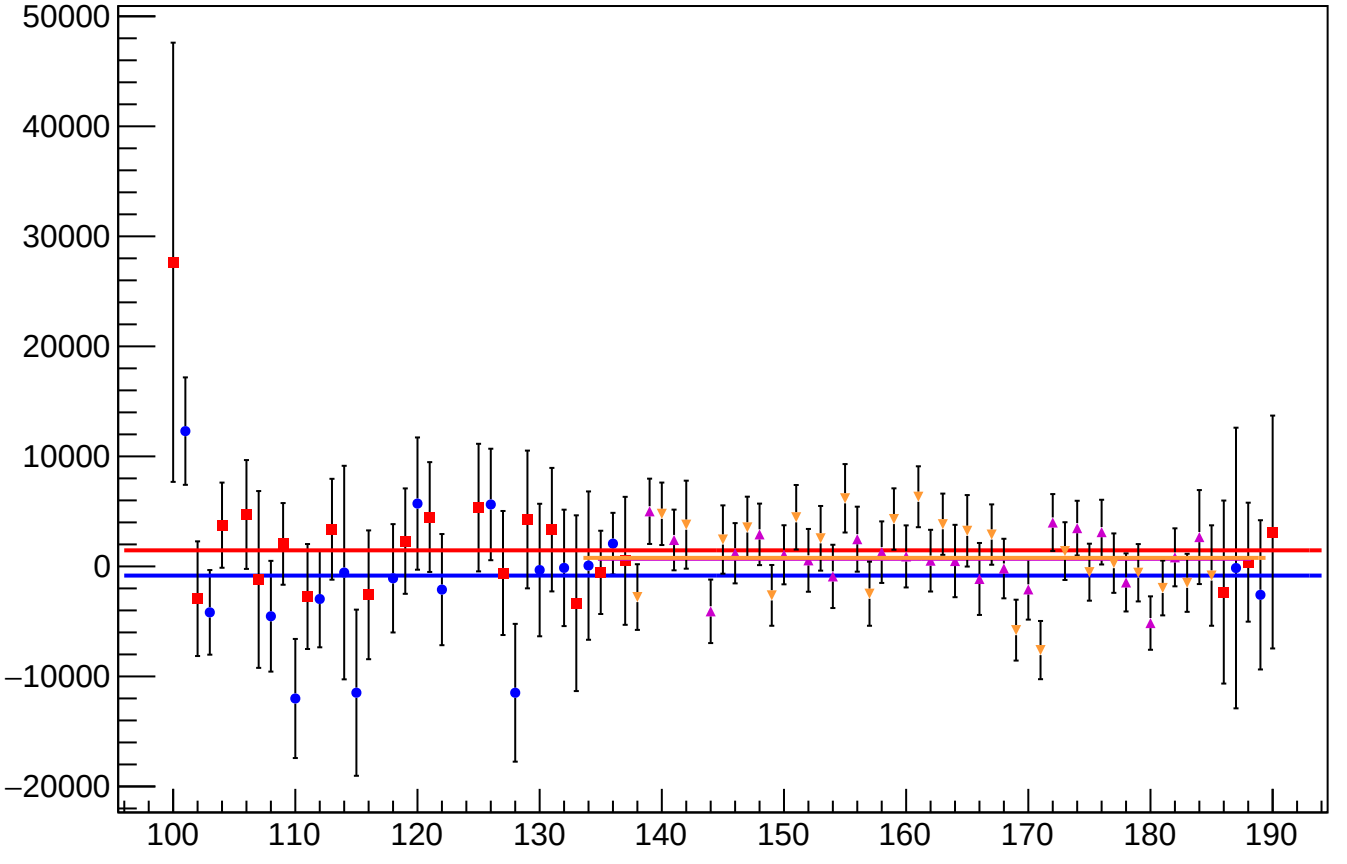
Left In: 1340.083+/-0.223 χ^2/NDF:494276.1/22

+ sign 1433.997+/-0.206 χ^2/NDF: 4408154.3/41

All: 1446.086+/-0.146 χ^2/NDF: 9450886.2/85

- sign 1458.333+/-0.208 χ^2/NDF: 5035817.5/43

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: 1460.640+/-1169.931 χ^2/NDF: 7.0/20

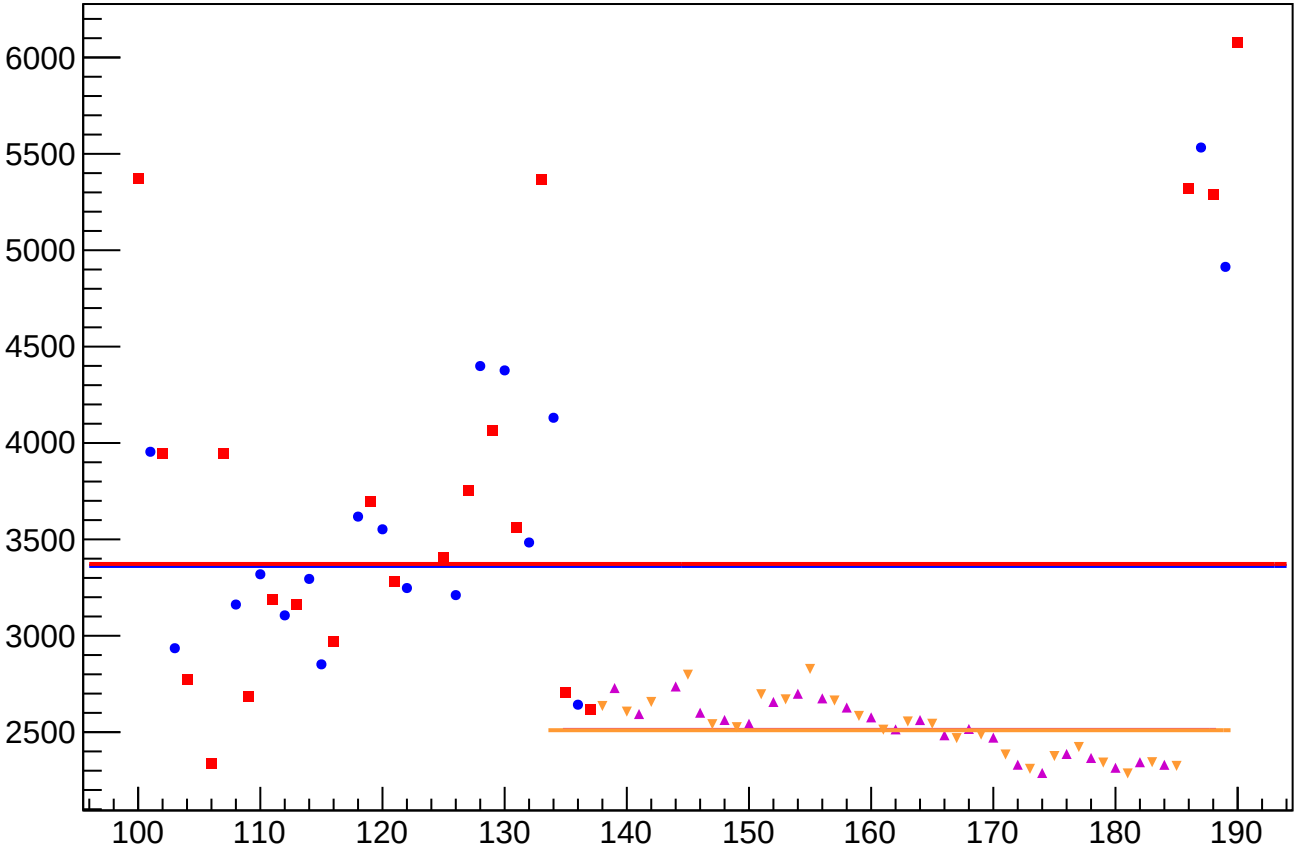
Left In: 689.981+/-587.431 χ^2/NDF:18.3/22

\+ sign 473.500+/-526.198 χ^2/NDF: 62.7/41

All: 659.760+/-371.643 χ^2/NDF: 88.7/85

\- sign 845.152+/-524.971 χ^2/NDF: 25.7/43

asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 3362.267+/-0.860 χ^2/NDF: 517006.5/17

Left Out: 2510.069+/-0.413 χ^2/NDF:128632.5/23

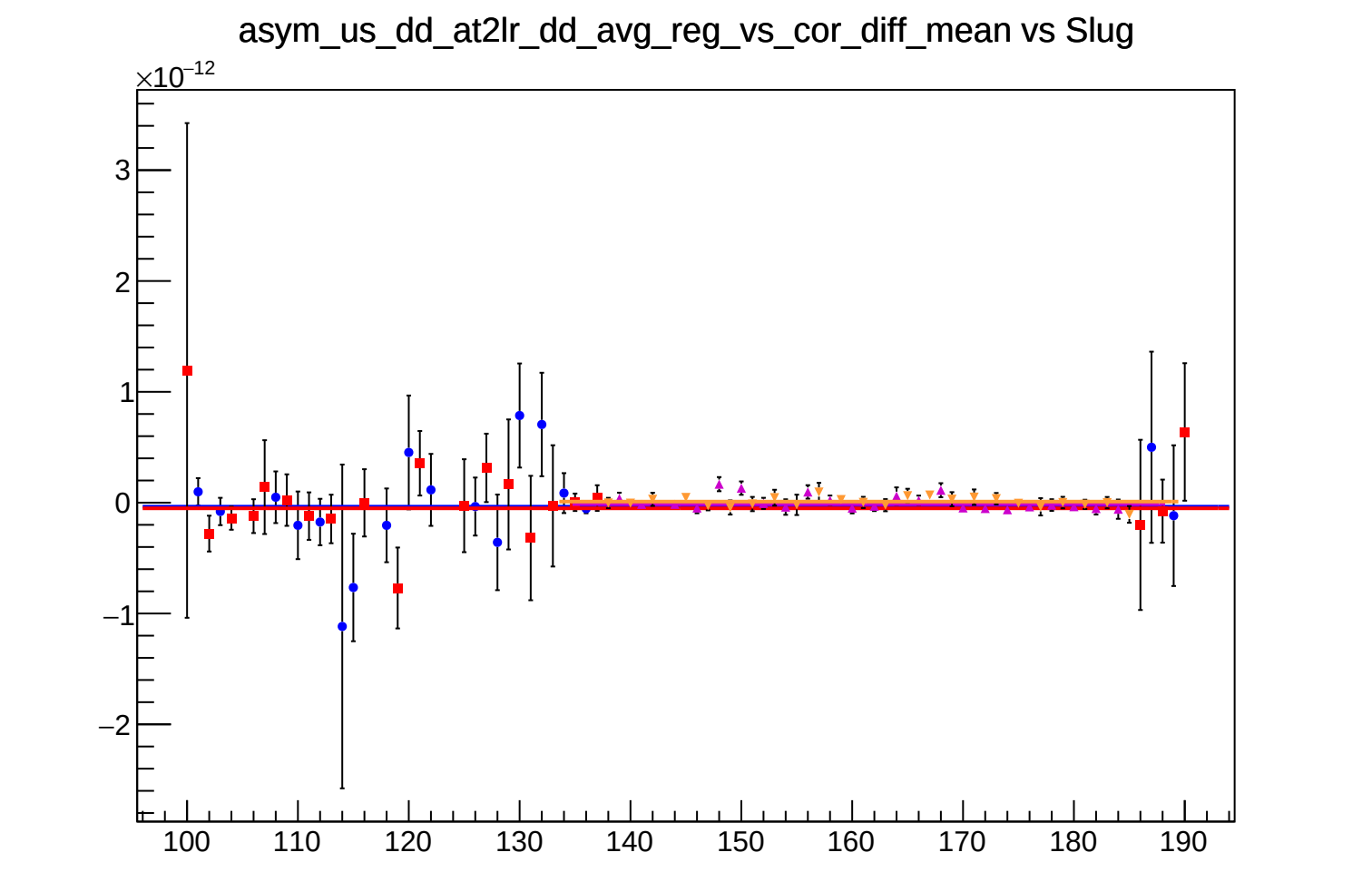
Right Out: 3372.509+/-0.827 χ^2/NDF: 1032933.2/20

Left In: 2511.613+/-0.415 χ^2/NDF:113485.5/22

+ sign 2669.687+/-0.372 χ^2/NDF: 1444156.6/41

All: 2677.340+/-0.263 χ^2/NDF: 3456341.9/85

- sign 2684.957+/-0.371 χ^2/NDF: 2011341.2/43



Right In: -0.000+/-0.000 χ^2/NDF: 13.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:12.2/23

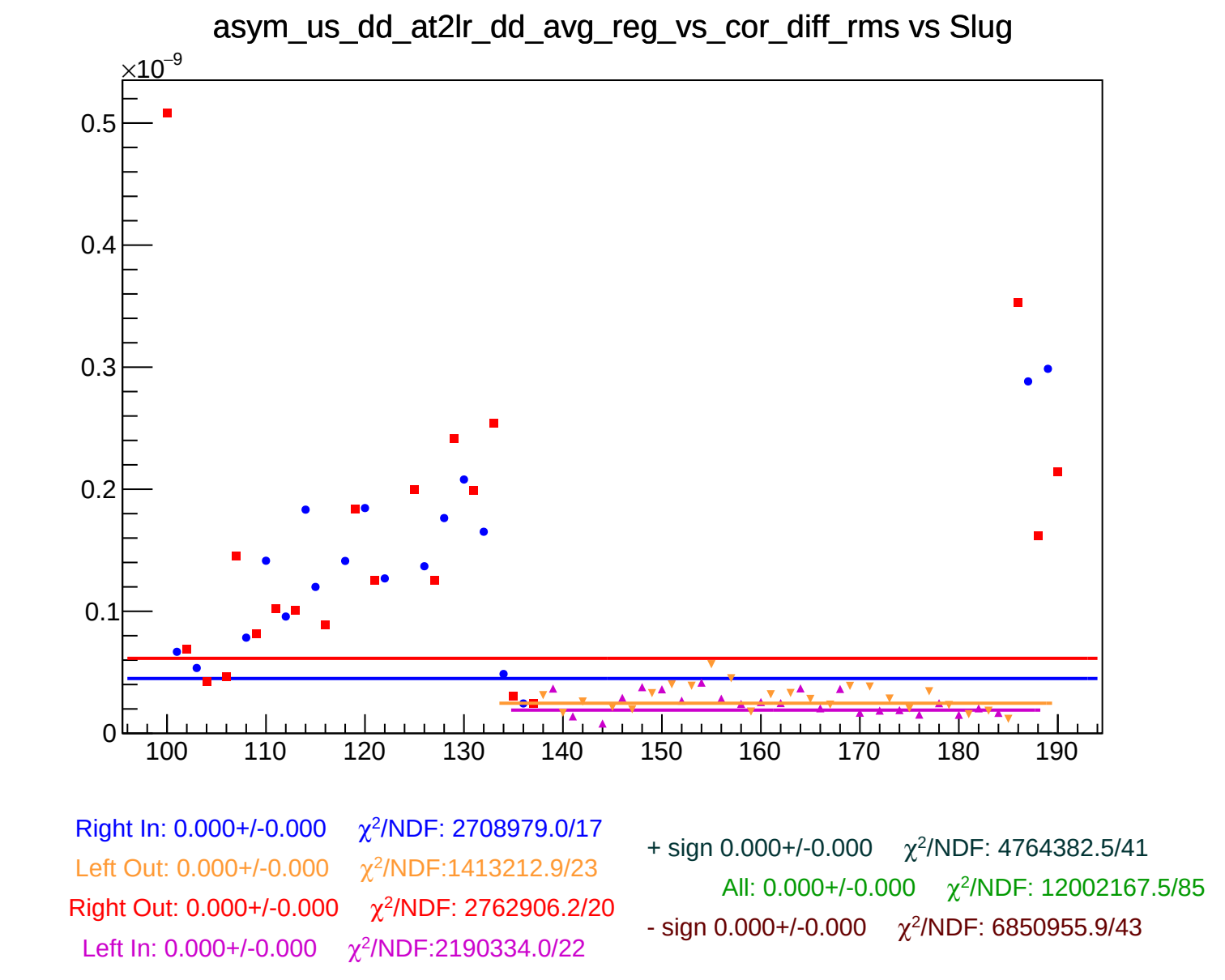
Right Out: -0.000+/-0.000 χ^2/NDF: 13.9/20

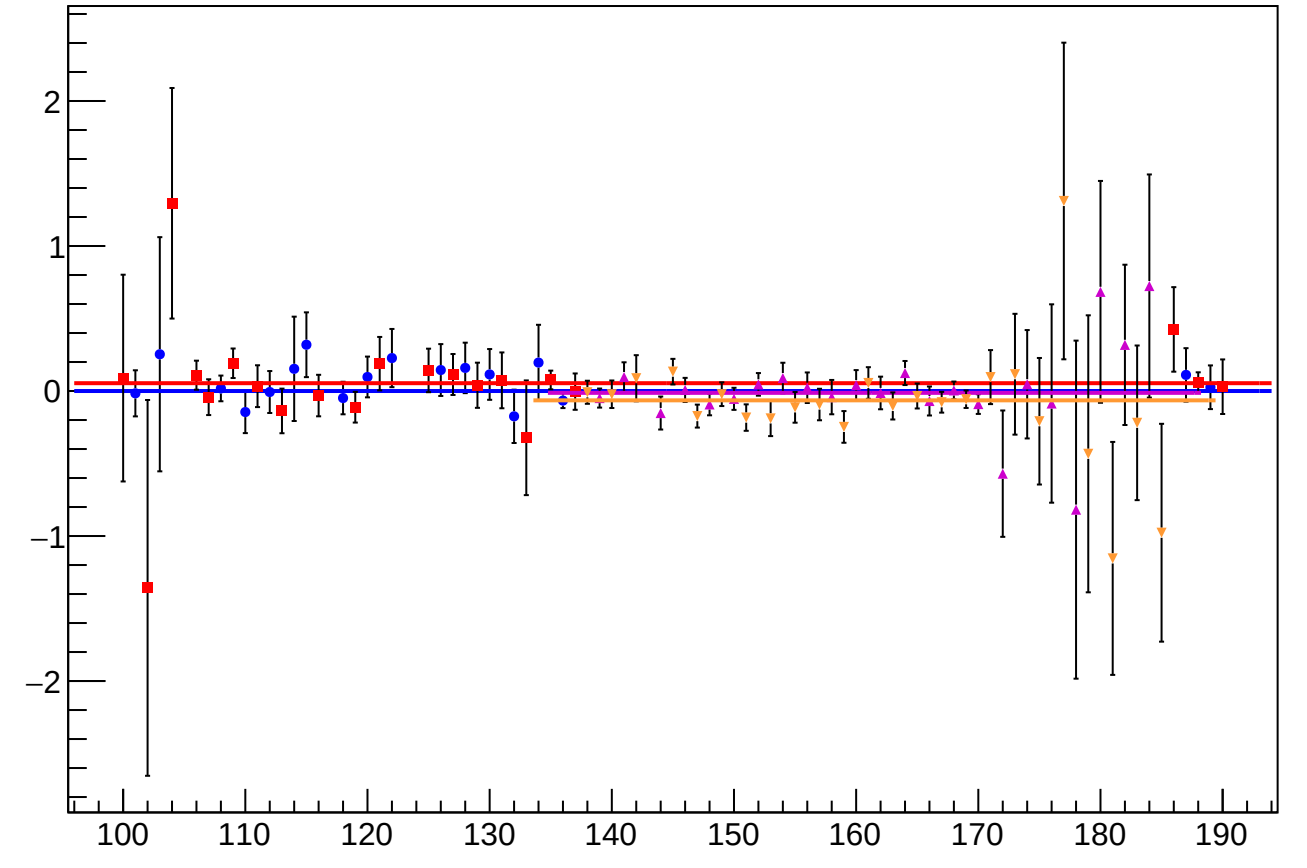
Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 27.4/41

All: -0.000+/-0.000 χ^2/NDF: 75.5/85

- sign -0.000+/-0.000 χ^2/NDF: 45.6/43


asym_us_dd_at2lr_dd_avg_reg_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: 2708979.0/17
Left Out: 0.000+/-0.000 χ²/NDF:1413212.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 2762906.2/20
Left In: 0.000+/-0.000 χ²/NDF:2190334.0/22
+ sign 0.000+/-0.000 χ²/NDF: 4764382.5/41
All: 0.000+/-0.000 χ²/NDF: 12002167.5/85
- sign 0.000+/-0.000 χ²/NDF: 6850955.9/43



Right In: -0.000+/-0.031 χ^2/NDF: 10.7/17

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

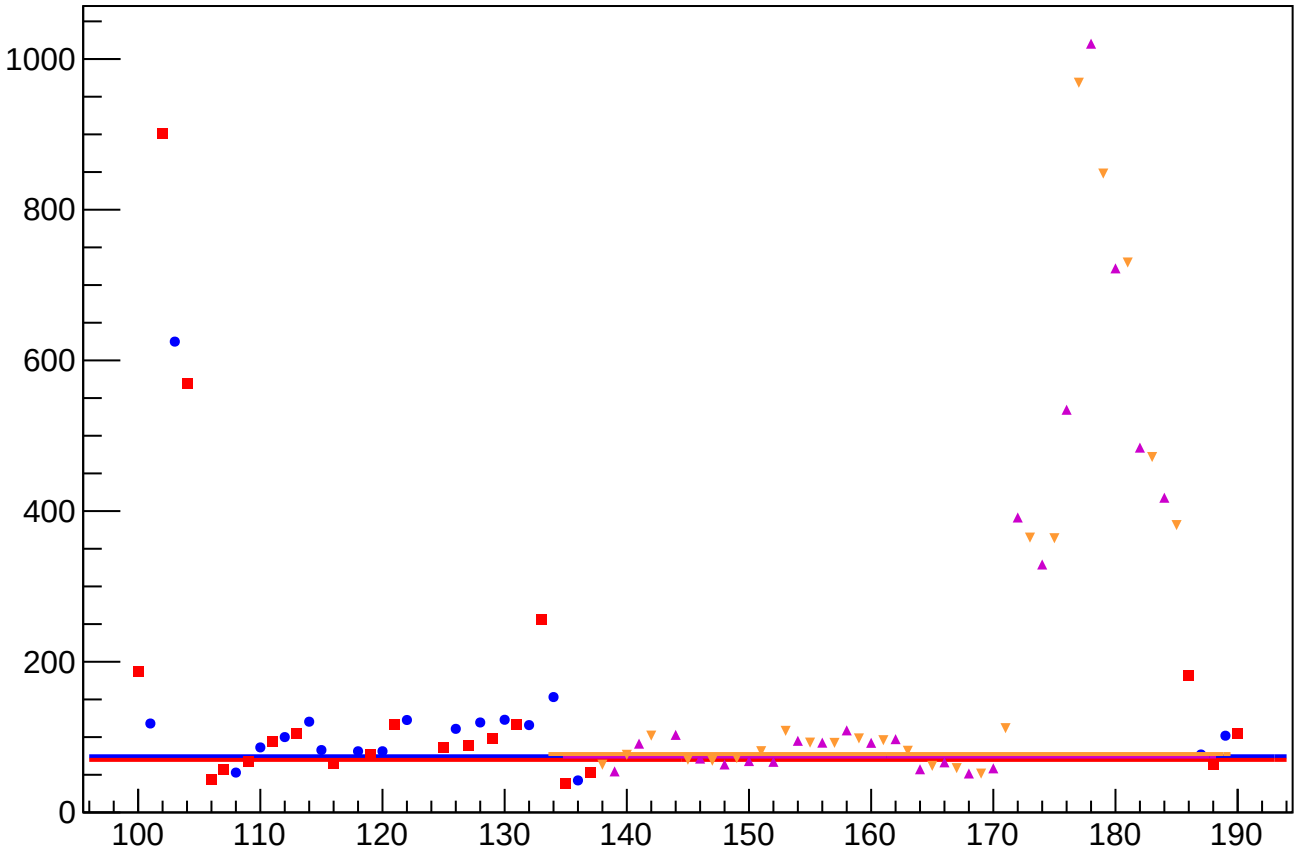
Right Out: 0.054+/-0.028 χ^2/NDF: 14.7/20

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: 73.9/85

- sign 0.011+/-0.017 χ^2/NDF: 33.3/43



Right In: 74.558+/-0.022 χ^2/NDF: 2924082.8/17

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

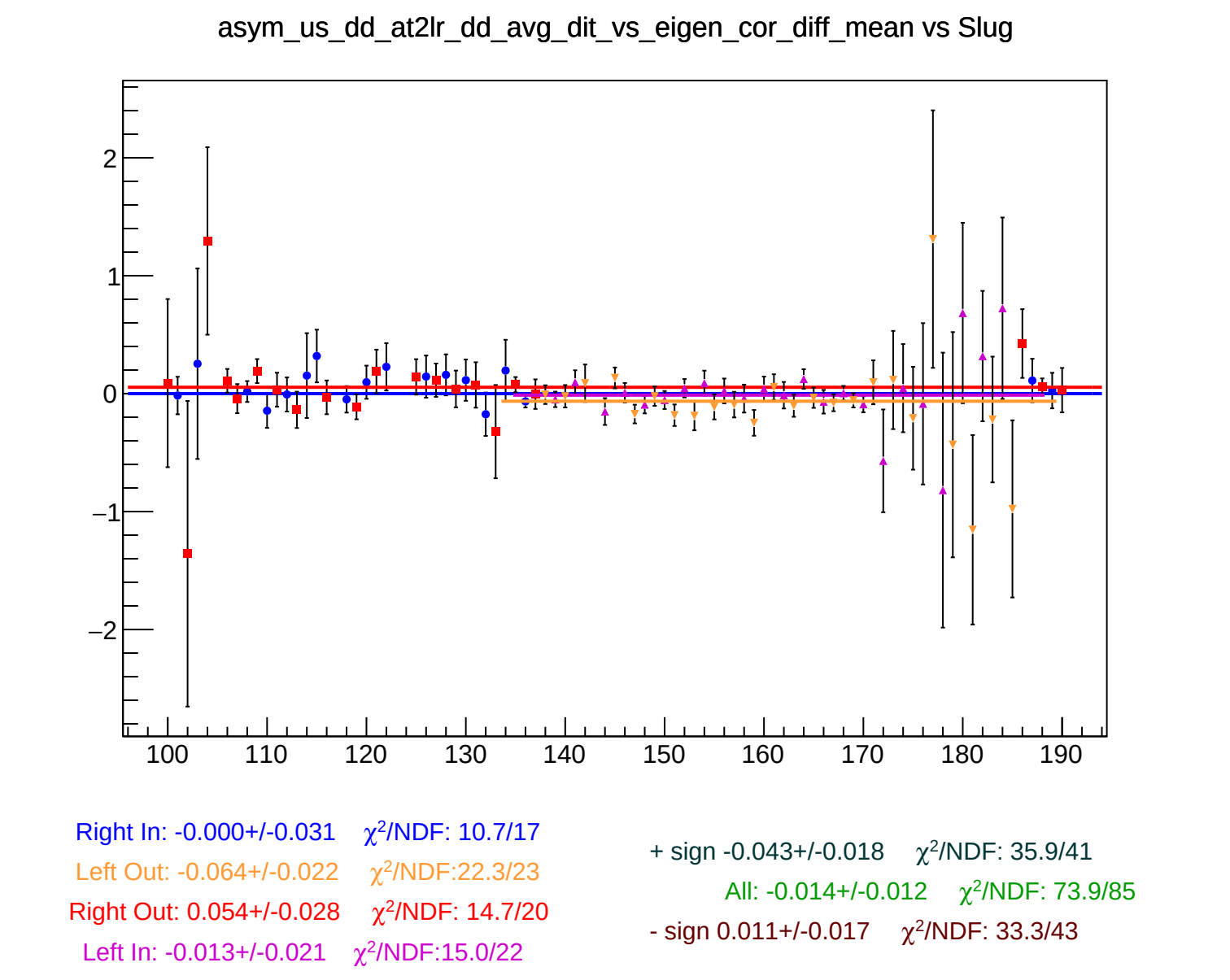
Right Out: 69.782+/-0.020 χ^2/NDF: 3712130.3/20

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

+ sign 76.533+/-0.013 χ^2/NDF: 11267459.0/41

All: 74.470+/-0.009 χ^2/NDF: 23574475.4/85

- sign 72.641+/-0.012 χ^2/NDF: 12257518.4/43


asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
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100
110
120
130
140
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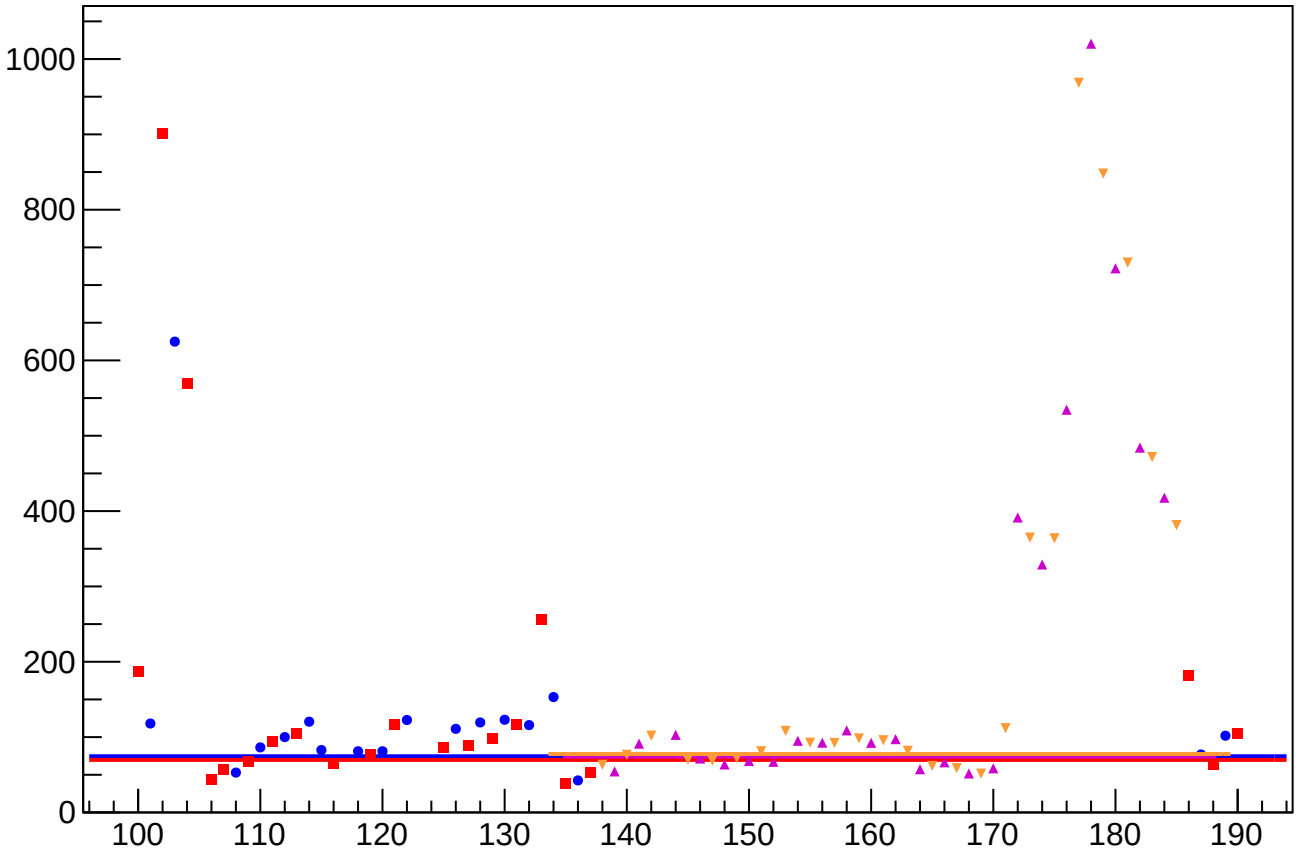
160
170
180
190
Right In: -0.000+/-0.031 χ²/NDF: 10.7/17
Left Out: -0.064+/-0.022 χ²/NDF:22.3/23
Right Out: 0.054+/-0.028 χ²/NDF: 14.7/20
Left In: -0.013+/-0.021 χ²/NDF:15.0/22
+ sign -0.043+/-0.018 χ²/NDF: 35.9/41
All: -0.014+/-0.012 χ²/NDF: 73.9/85
- sign 0.011+/-0.017 χ²/NDF: 33.3/43



Right In: 74.558+/-0.022 χ^2/NDF: 2924082.8/17

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

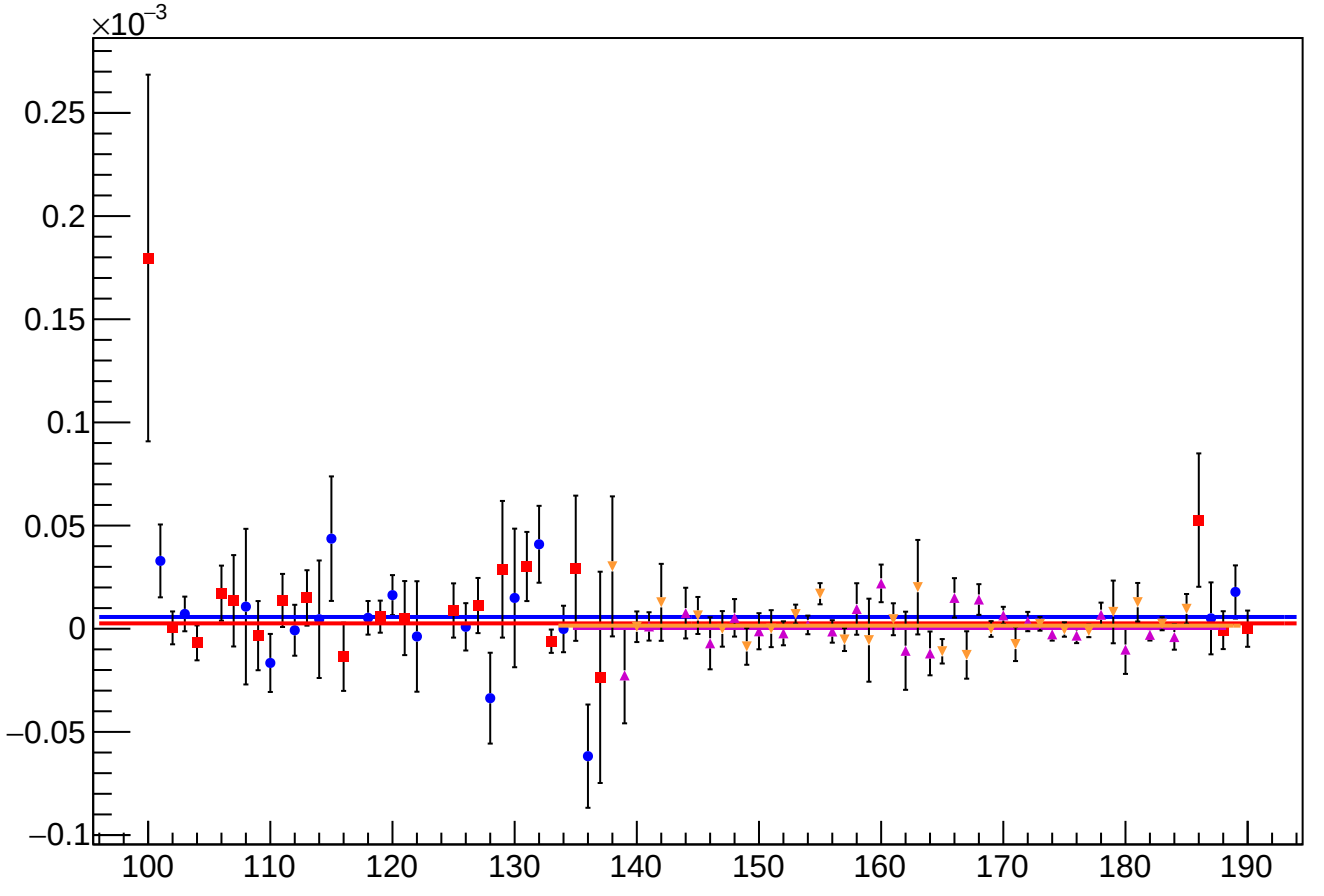
Right Out: 69.782+/-0.020 χ^2/NDF: 3712130.3/20

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

+ sign 76.533+/-0.013 χ^2/NDF: 11267459.0/41

All: 74.470+/-0.009 χ^2/NDF: 23574475.4/85

- sign 72.641+/-0.012 χ^2/NDF: 12257518.4/43



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/17

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/23

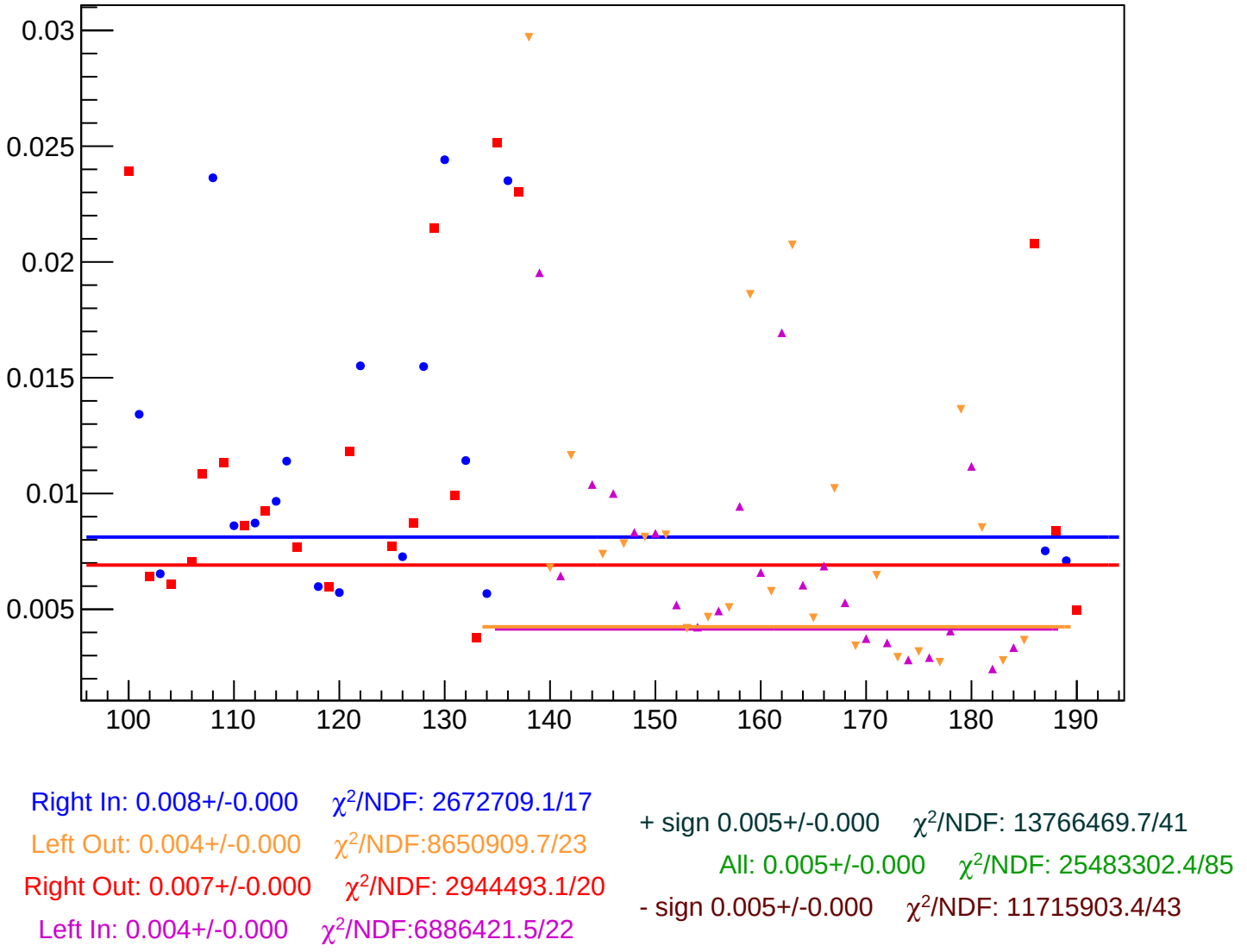
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/20

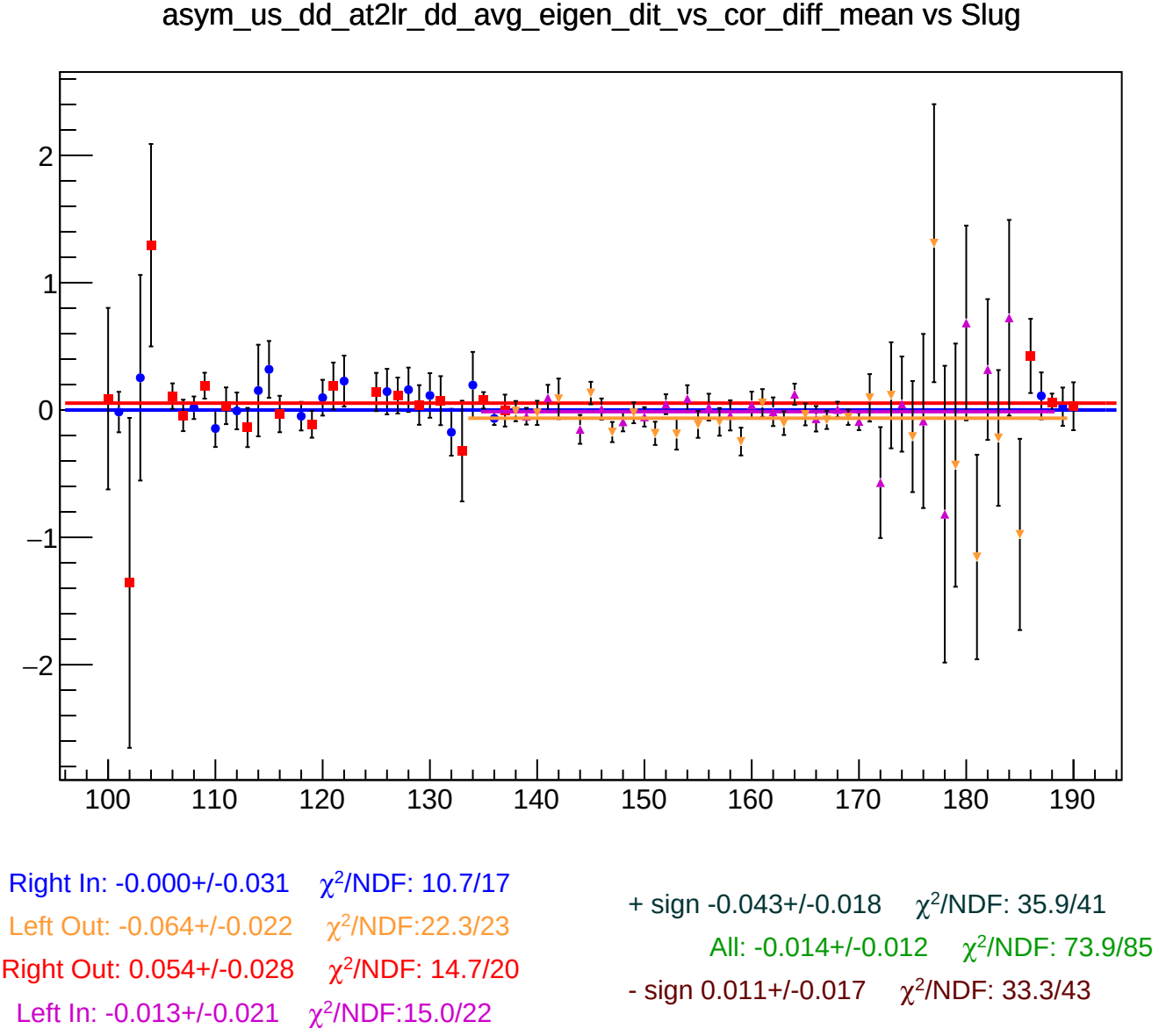
Left In: 0.000+/-0.000 χ^2/NDF:24.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.1/41

All: 0.000+/-0.000 χ^2/NDF: 97.3/85

- sign 0.000+/-0.000 χ^2/NDF: 44.6/43


asym_us_dd_at2lr_dd_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: 0.008+/-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: 2944493.1/20
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: 25483302.4/85
- sign 0.005+/-0.000 χ²/NDF: 11715903.4/43


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug
2
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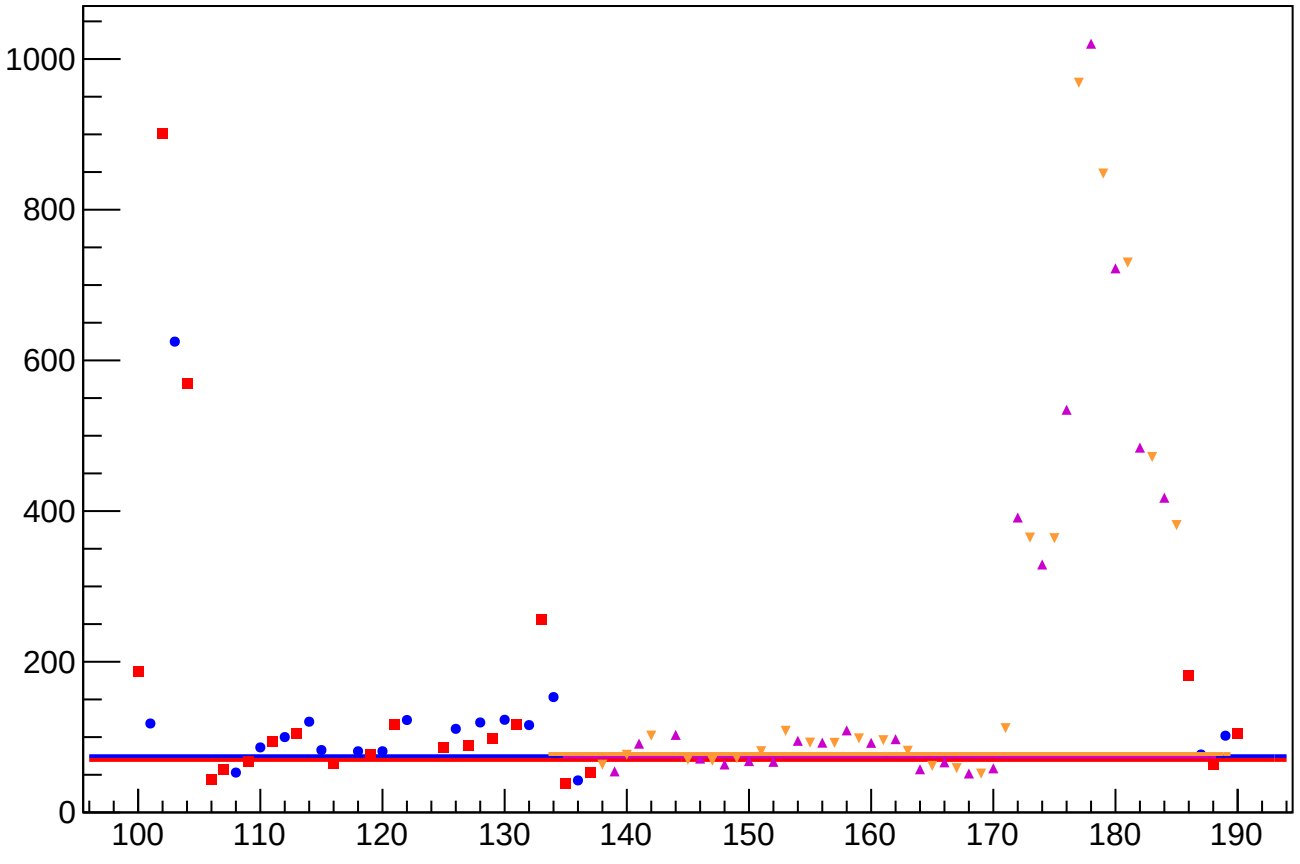
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.031 χ²/NDF: 10.7/17
Left Out: -0.064+/-0.022 χ²/NDF:22.3/23
Right Out: 0.054+/-0.028 χ²/NDF: 14.7/20
Left In: -0.013+/-0.021 χ²/NDF:15.0/22
+ sign -0.043+/-0.018 χ²/NDF: 35.9/41
All: -0.014+/-0.012 χ²/NDF: 73.9/85
- sign 0.011+/-0.017 χ²/NDF: 33.3/43



Right In: 74.582+/-0.022 χ^2/NDF: 2921670.8/17

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

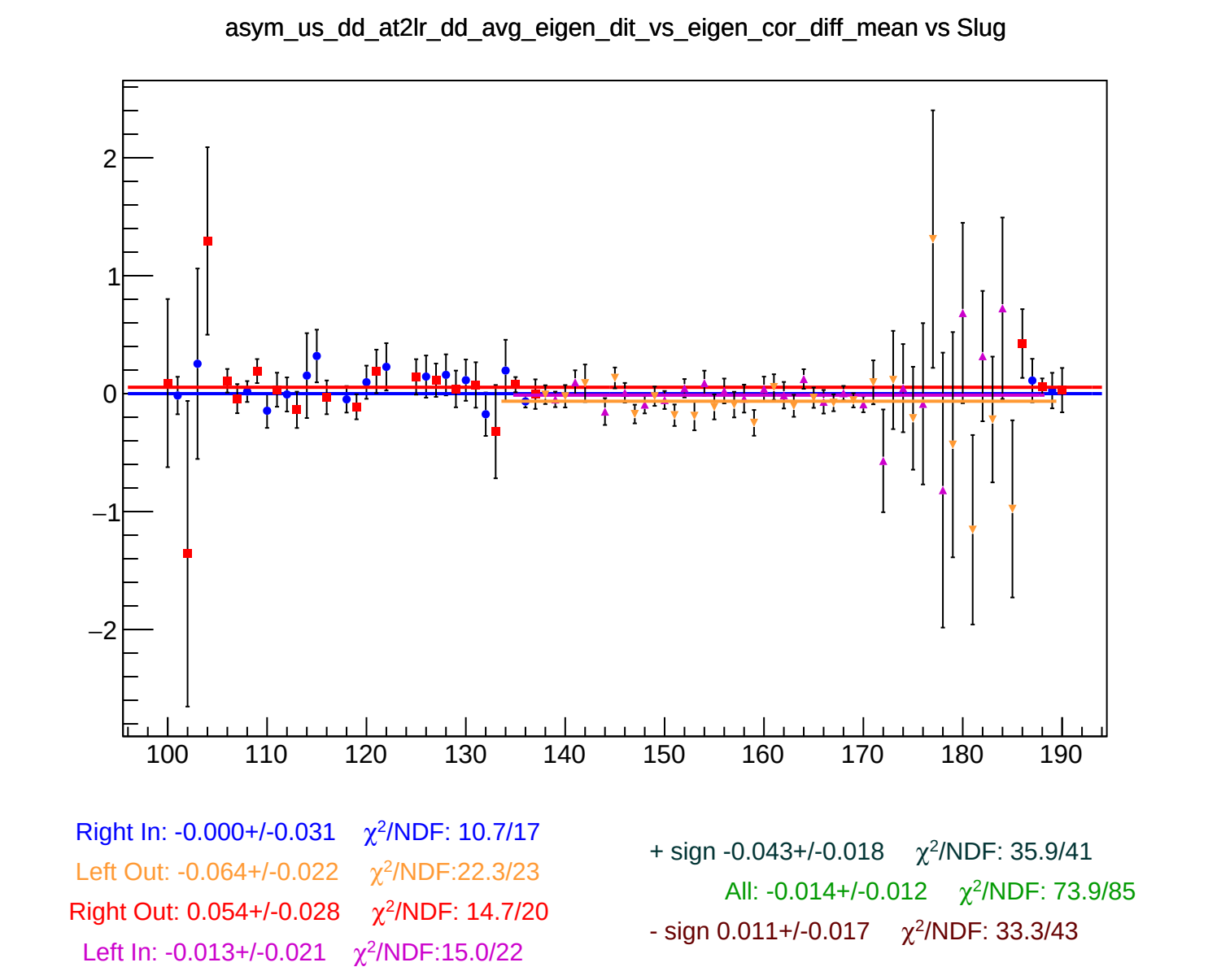
Right Out: 69.773+/-0.020 χ^2/NDF: 3713162.7/20

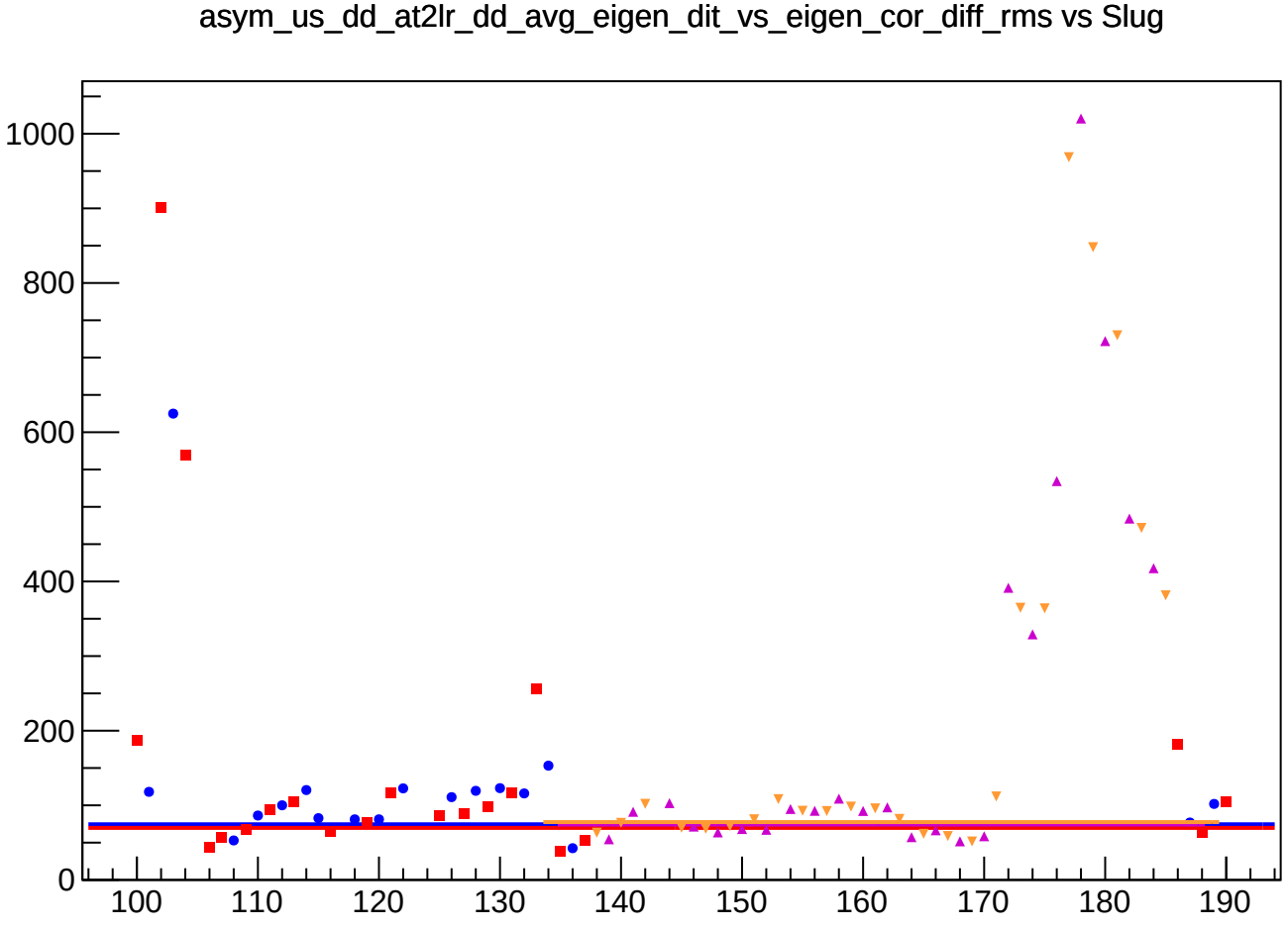
Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

\+ sign 76.541+/-0.013 χ^2/NDF: 11264759.2/41

All: 74.473+/-0.009 χ^2/NDF: 23572925.8/85

\- sign 72.638+/-0.012 χ^2/NDF: 12258403.7/43


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: 0.054+/-0.028 χ²/NDF: 14.7/20
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: 73.9/85
- sign 0.011+/-0.017 χ²/NDF: 33.3/43



Right In: 74.582+/-0.022 χ^2/NDF: 2921670.8/17

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

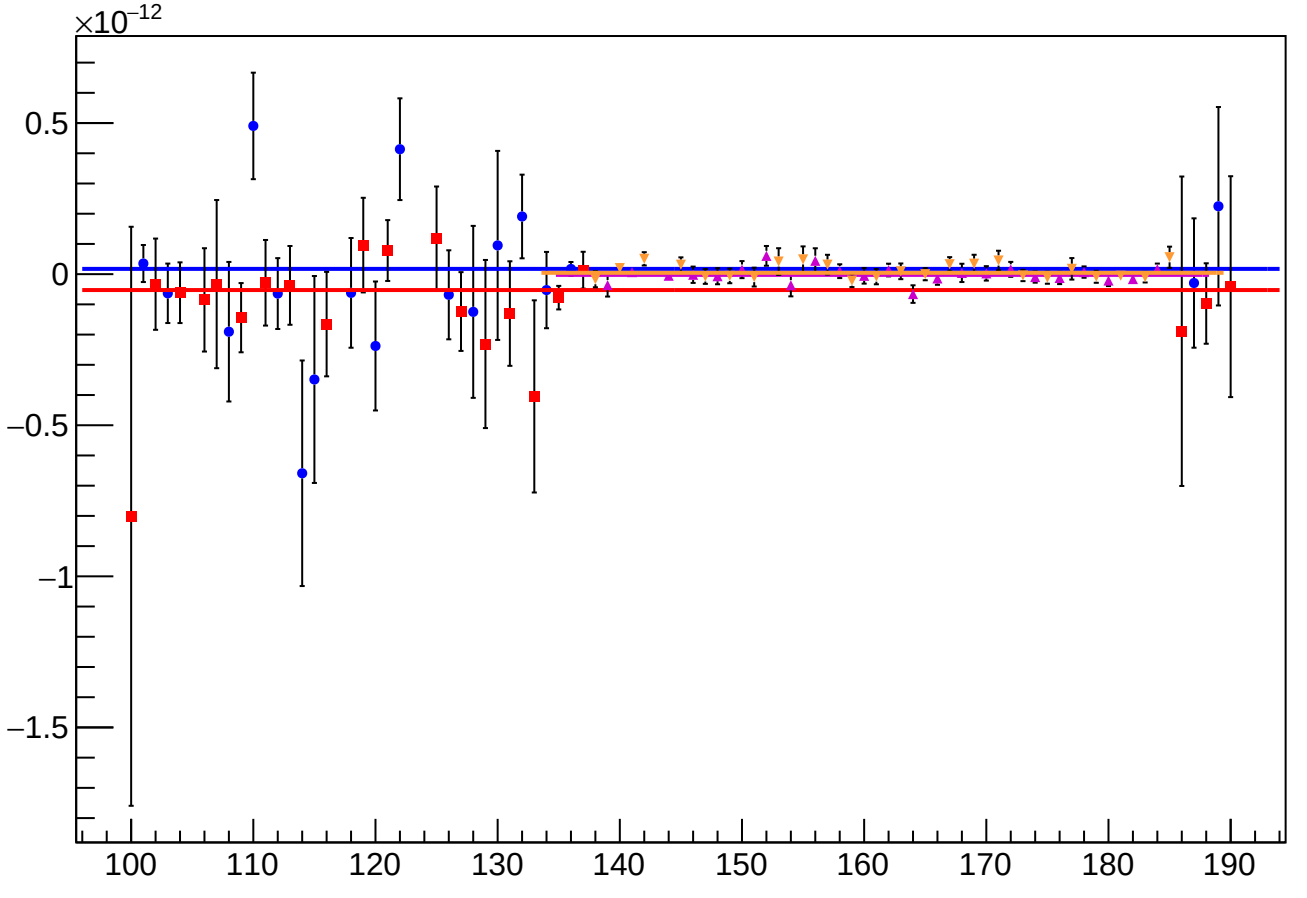
Right Out: 69.773+/-0.020 χ^2/NDF: 3713162.7/20

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

+ sign 76.541+/-0.013 χ^2/NDF: 11264759.2/41

All: 74.473+/-0.009 χ^2/NDF: 23572925.8/85

- sign 72.638+/-0.012 χ^2/NDF: 12258403.7/43



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:21.7/23

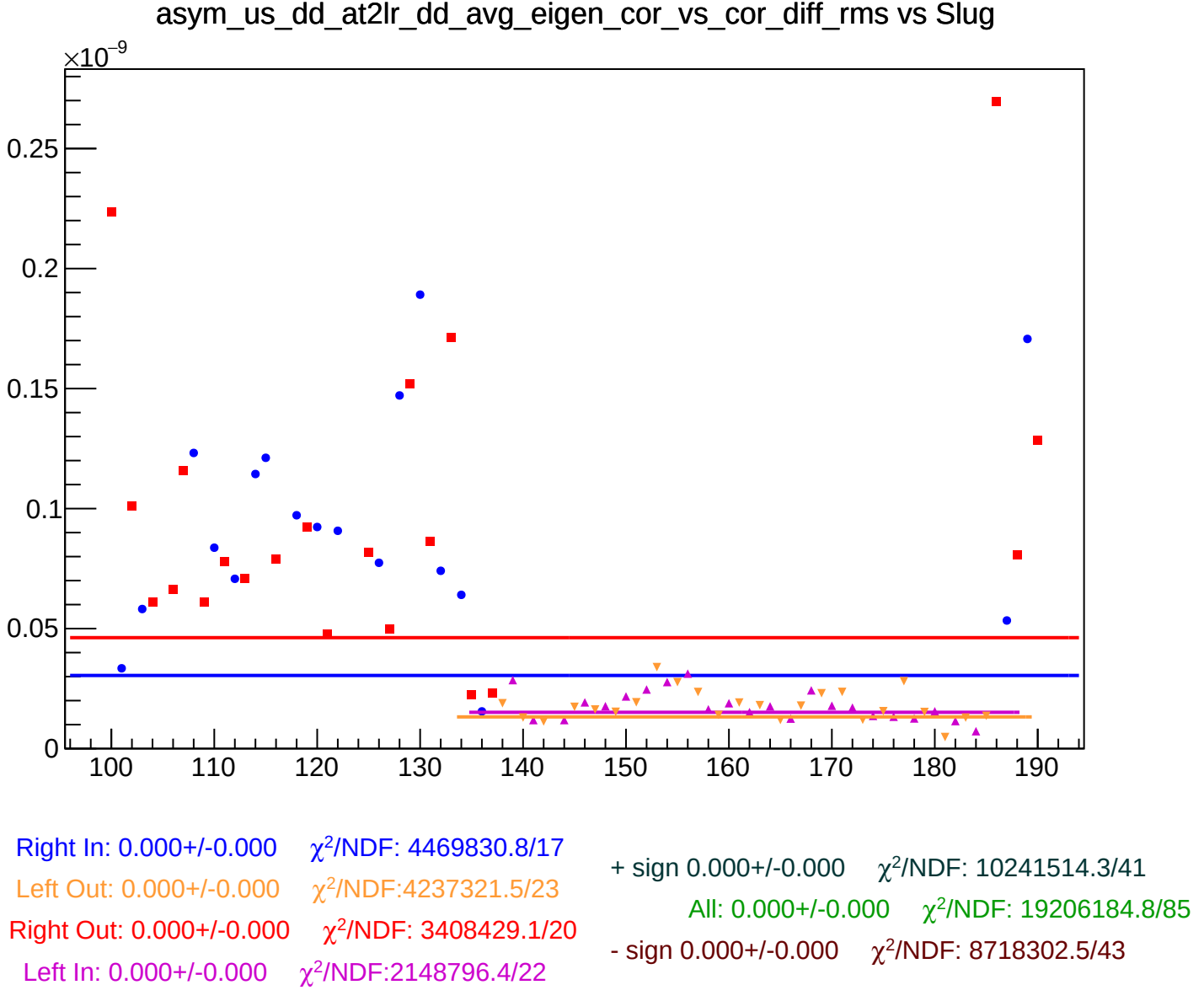
Right Out: -0.000+/-0.000 χ^2/NDF: 9.3/20

Left In: -0.000+/-0.000 χ^2/NDF:17.5/22

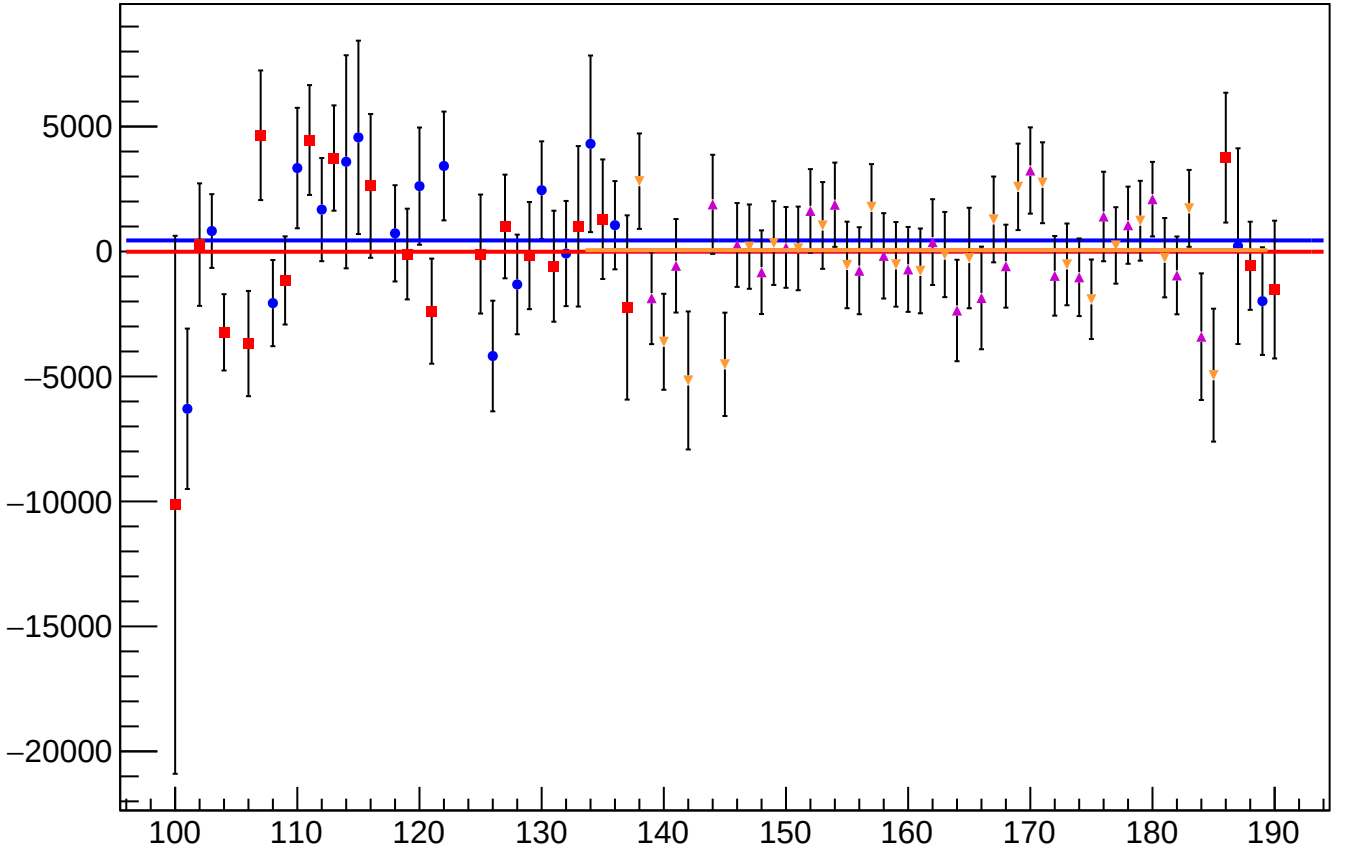
+ sign 0.000+/-0.000 χ^2/NDF: 45.9/41

All: 0.000+/-0.000 χ^2/NDF: 79.0/85

- sign -0.000+/-0.000 χ^2/NDF: 30.9/43


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: 3408429.1/20
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: 19206184.8/85
- sign 0.000+/-0.000 χ²/NDF: 8718302.5/43

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: -9.196+/-490.367 χ^2/NDF: 25.1/20

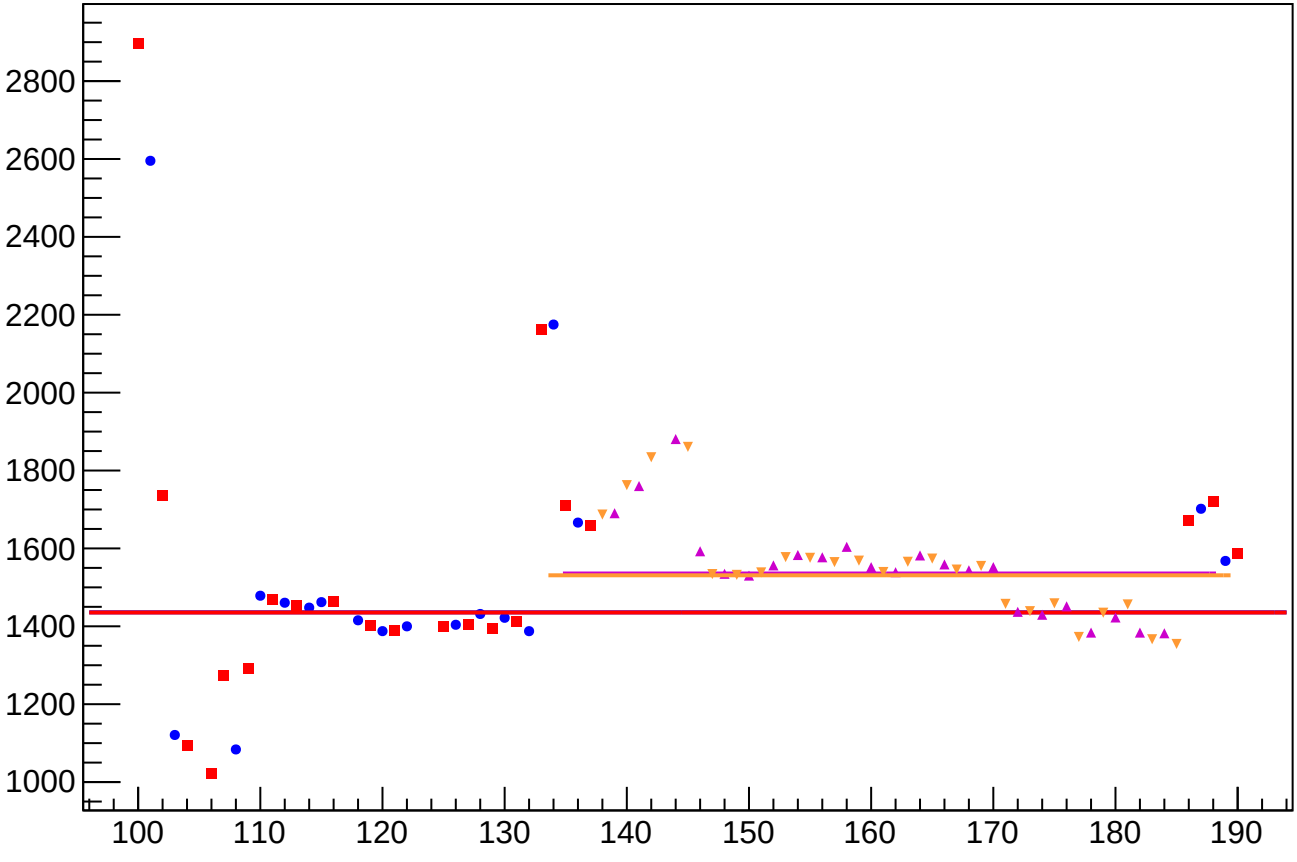
Left In: 48.177+/-359.531 χ^2/NDF:16.8/22

+ sign 179.113+/-293.820 χ^2/NDF: 50.5/41

All: 102.614+/-206.380 χ^2/NDF: 92.5/85

- sign 28.118+/-289.948 χ^2/NDF: 41.8/43

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

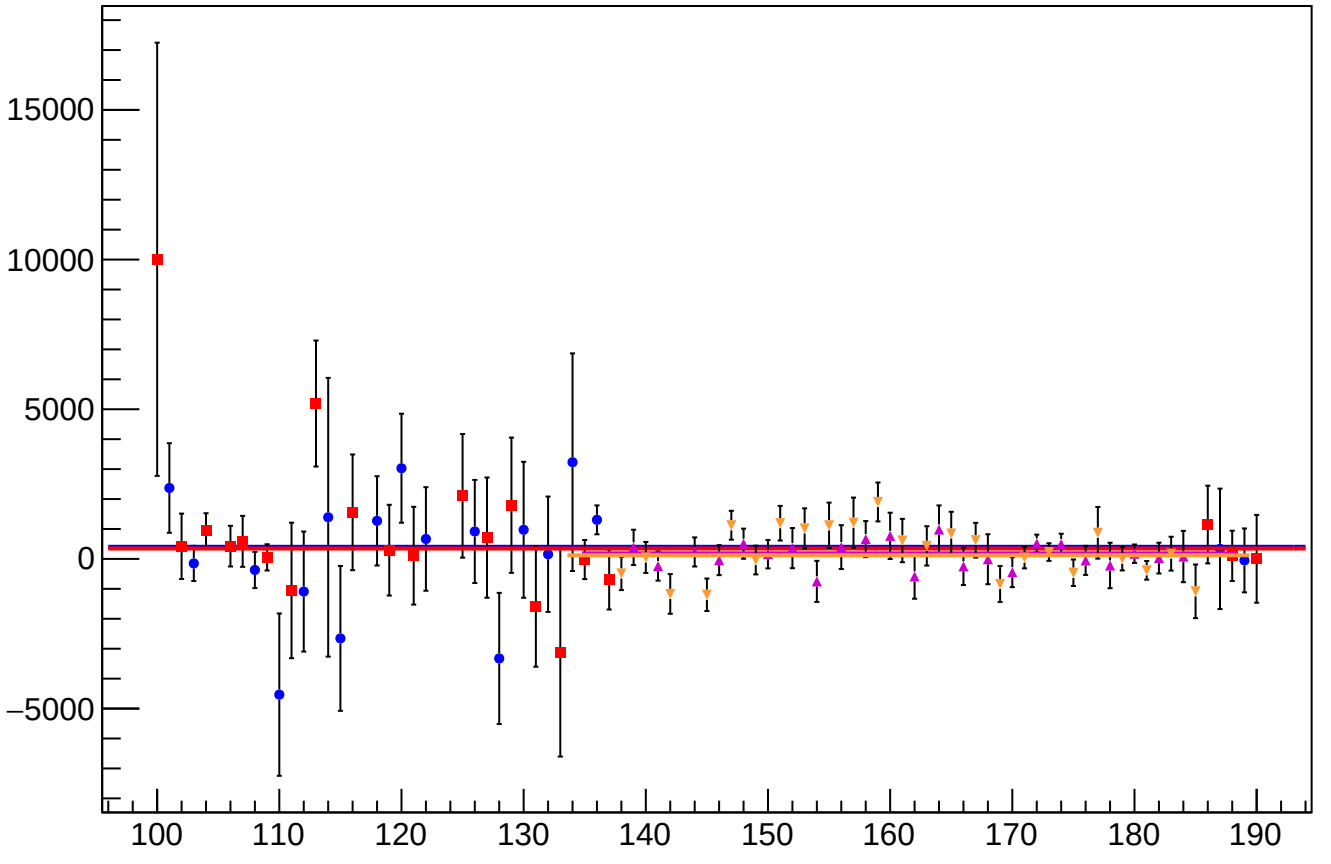
Right Out: 1435.433+/-0.347 χ^2/NDF: 480846.8/20

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1500.521+/-0.208 χ^2/NDF: 827374.0/41

All: 1500.534+/-0.146 χ^2/NDF: 1554876.3/85

- sign 1500.547+/-0.205 χ^2/NDF: 727502.3/43



Right In: 404.856+/-264.817 χ^2/NDF: 19.5/17

Left Out: 121.327+/-105.060 χ^2/NDF:43.6/23

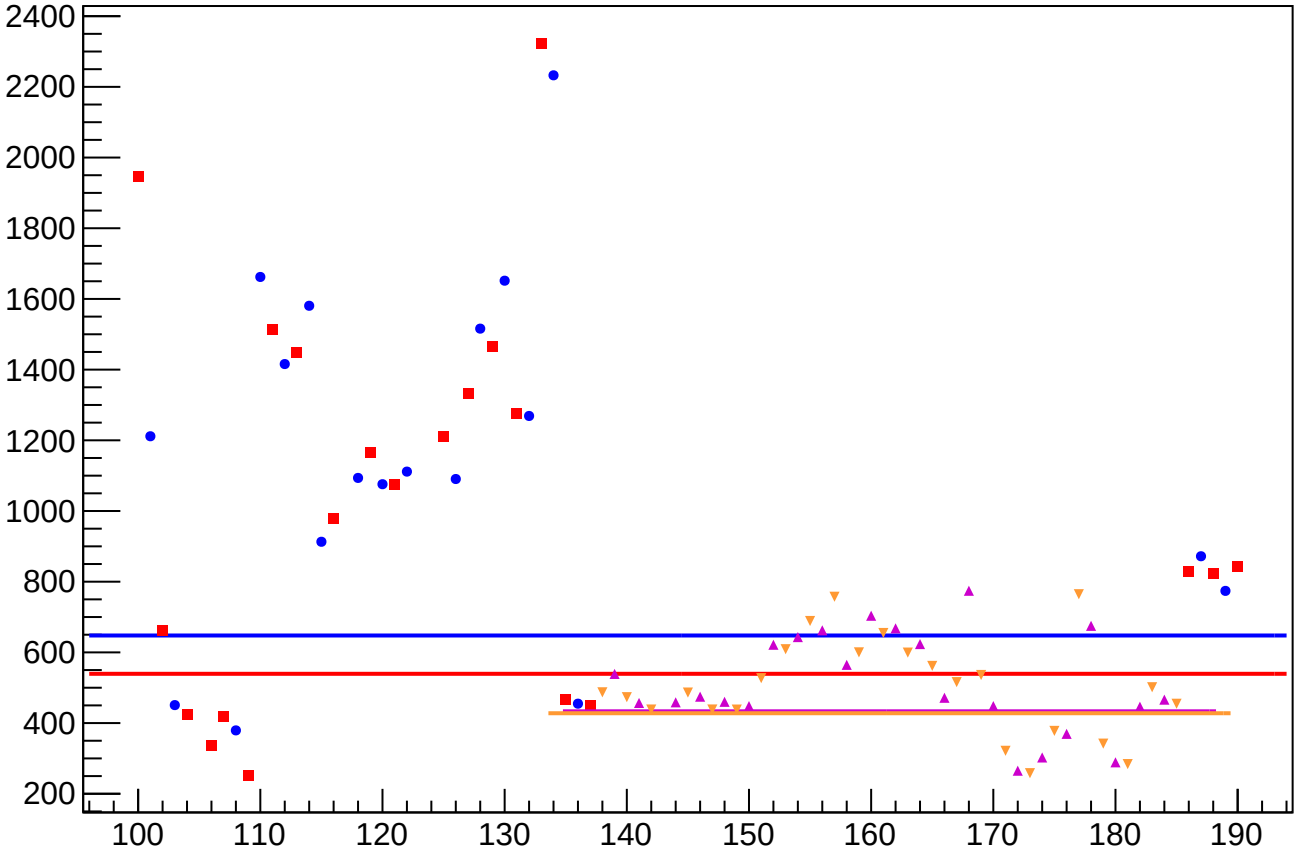
Right Out: 346.849+/-219.393 χ^2/NDF: 14.4/20

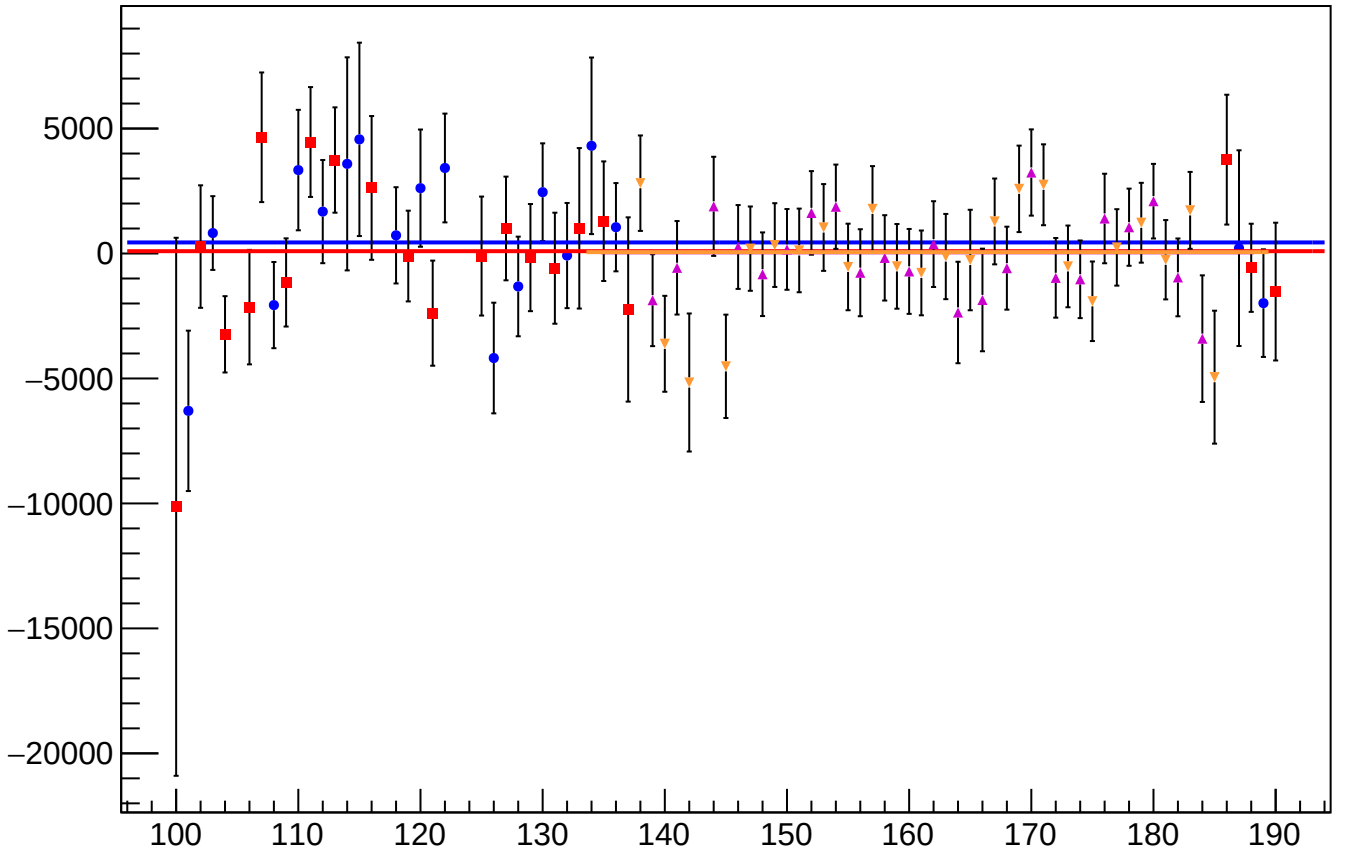
Left In: 186.828+/-106.975 χ^2/NDF:11.6/22

+ sign 159.884+/-97.655 χ^2/NDF: 64.2/41

All: 189.171+/-68.516 χ^2/NDF: 90.8/85

- sign 217.565+/-96.154 χ^2/NDF: 26.5/43


asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
180
190
Right In: 647.781+/-0.187 χ²/NDF: 3809576.1/17
Left Out: 427.814+/-0.074 χ²/NDF:3188159.5/23
Right Out: 539.384+/-0.155 χ²/NDF: 4780791.5/20
Left In: 433.283+/-0.076 χ²/NDF:3247998.9/22
+ sign 457.727+/-0.069 χ²/NDF: 8189990.5/41
All: 455.664+/-0.048 χ²/NDF: 16598449.7/85
- sign 453.663+/-0.068 χ²/NDF: 8406701.0/43



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: 93.240+/-492.438 χ^2/NDF: 22.8/20

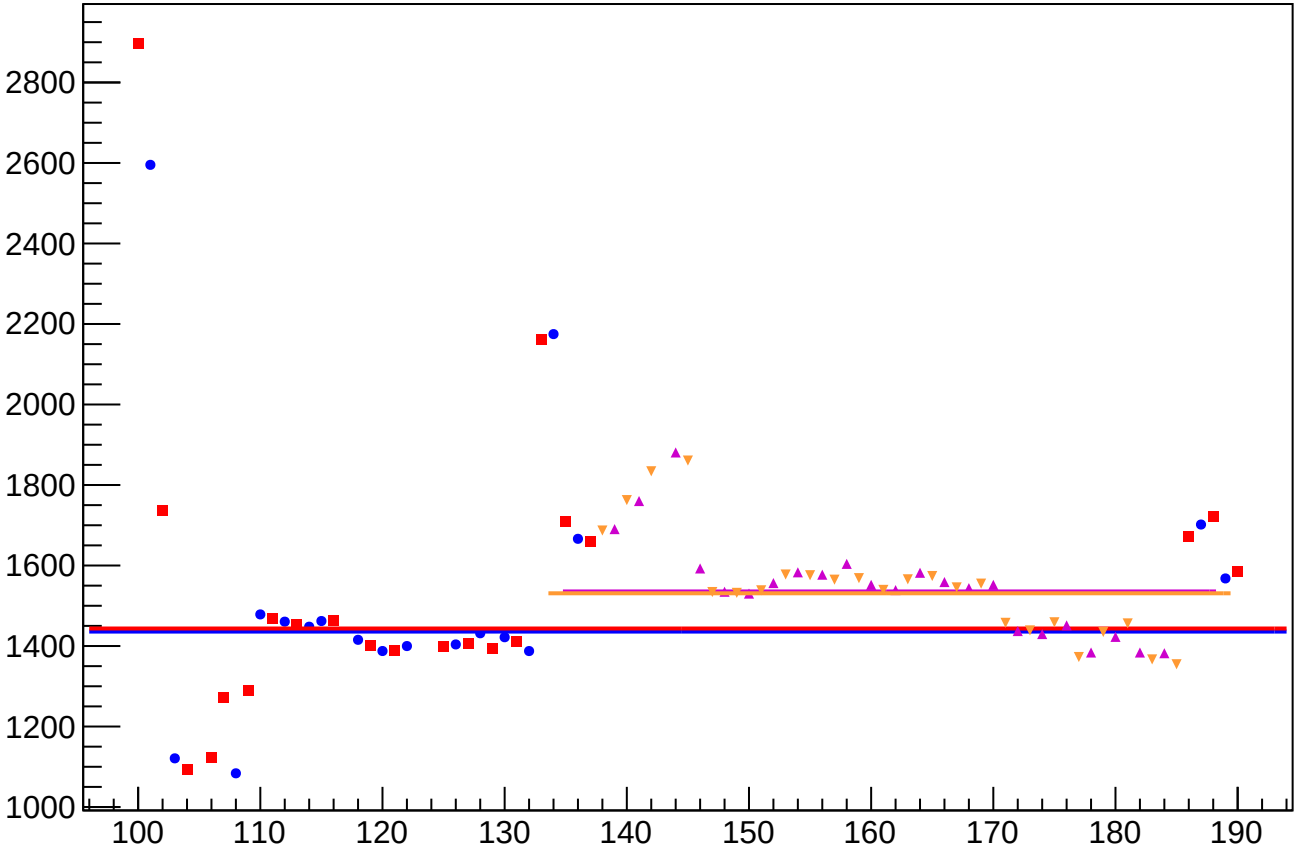
Left In: 48.256+/-359.531 χ^2/NDF:16.8/22

+ sign 179.051+/-293.820 χ^2/NDF: 50.5/41

All: 120.794+/-206.533 χ^2/NDF: 90.2/85

- sign 63.897+/-290.374 χ^2/NDF: 39.6/43

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

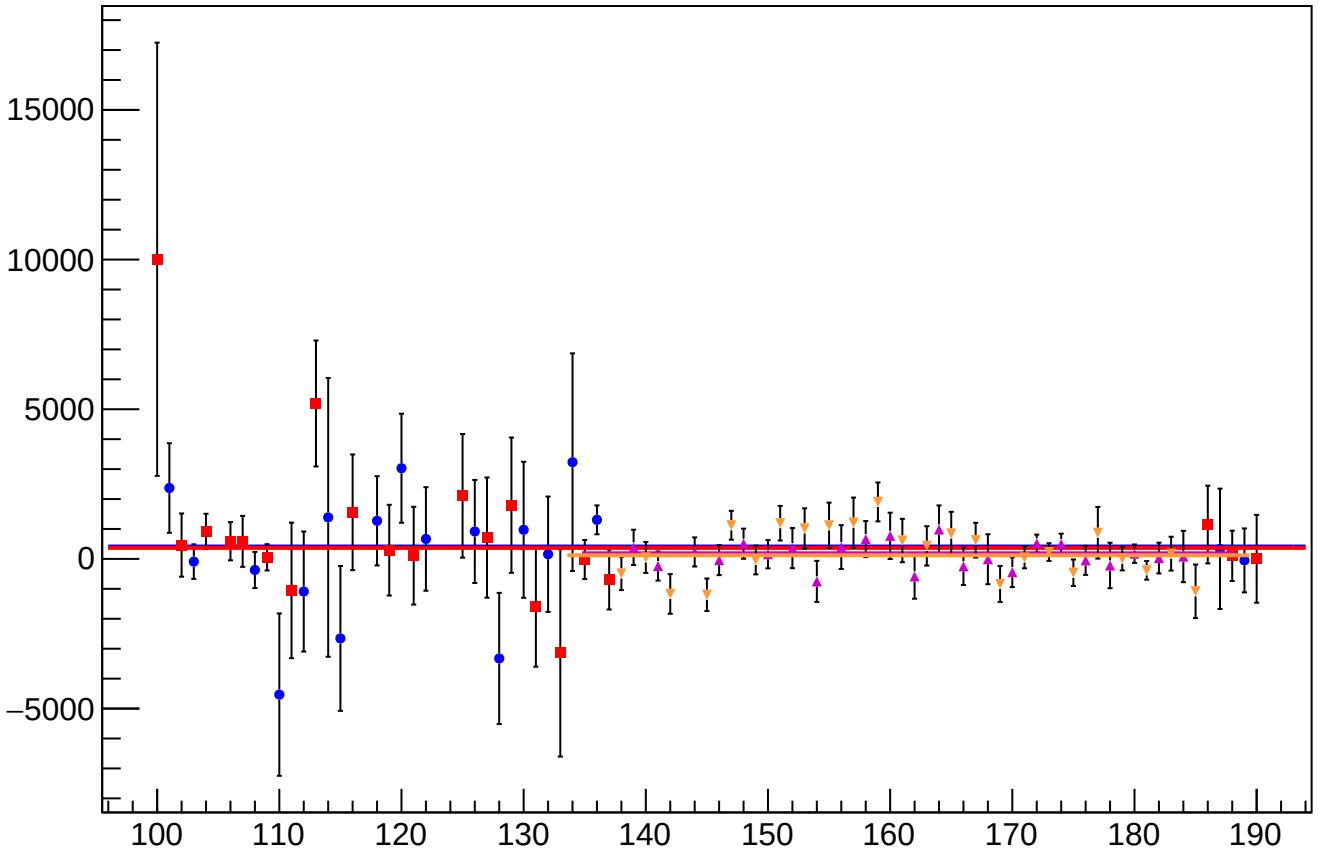
Right Out: 1443.511+/-0.348 χ^2/NDF: 440953.5/20

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1500.520+/-0.208 χ^2/NDF: 827374.4/41

All: 1502.052+/-0.146 χ^2/NDF: 1506442.6/85

- sign 1503.548+/-0.205 χ^2/NDF: 678960.8/43



Right In: 413.027+/-263.774 χ^2/NDF: 19.4/17

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

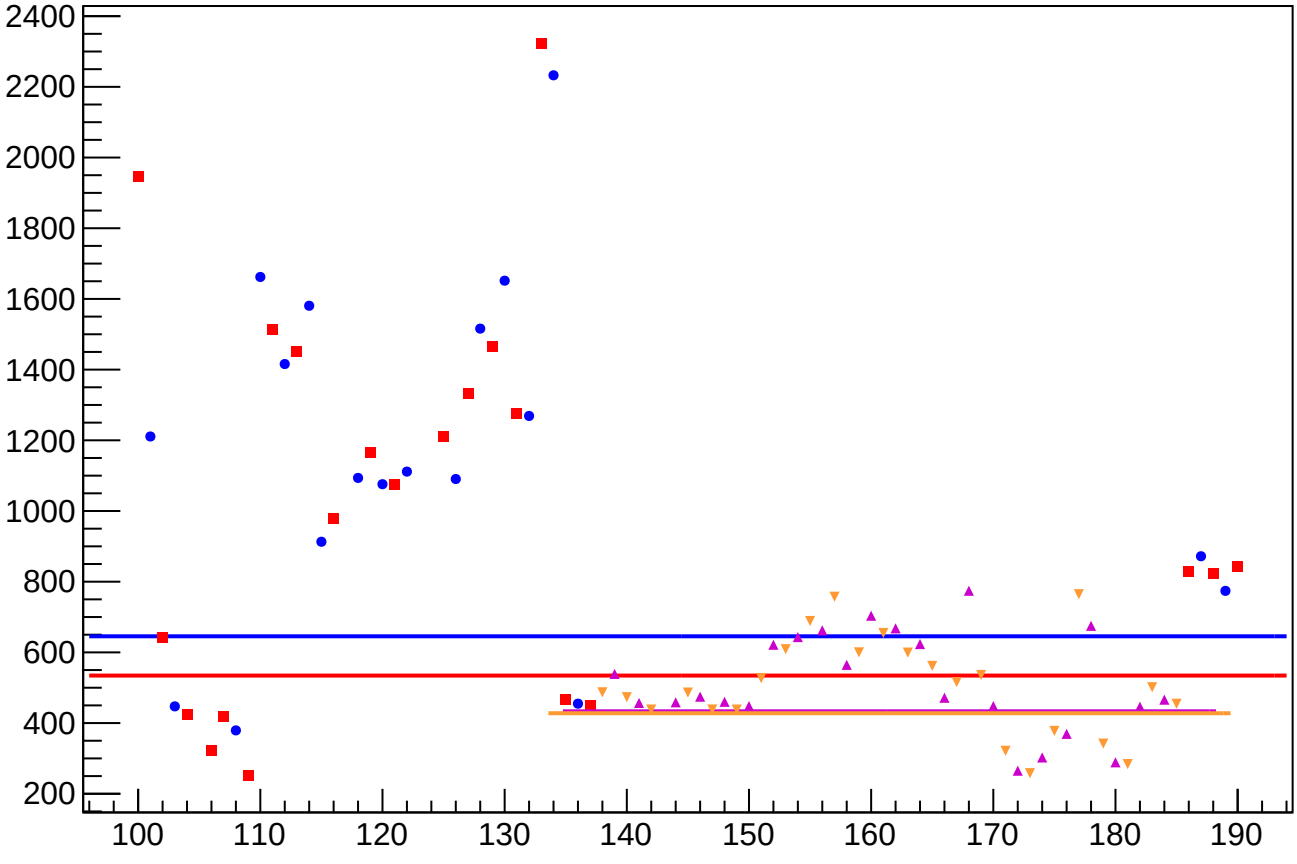
Right Out: 368.045+/-217.412 χ^2/NDF: 14.5/20

Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

+ sign 161.265+/-97.603 χ^2/NDF: 64.1/41

All: 192.301+/-68.437 χ^2/NDF: 91.0/85

- sign 222.318+/-95.985 χ^2/NDF: 26.7/43



Right In: 645.486+/-0.187 χ^2/NDF: 3826356.7/17

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

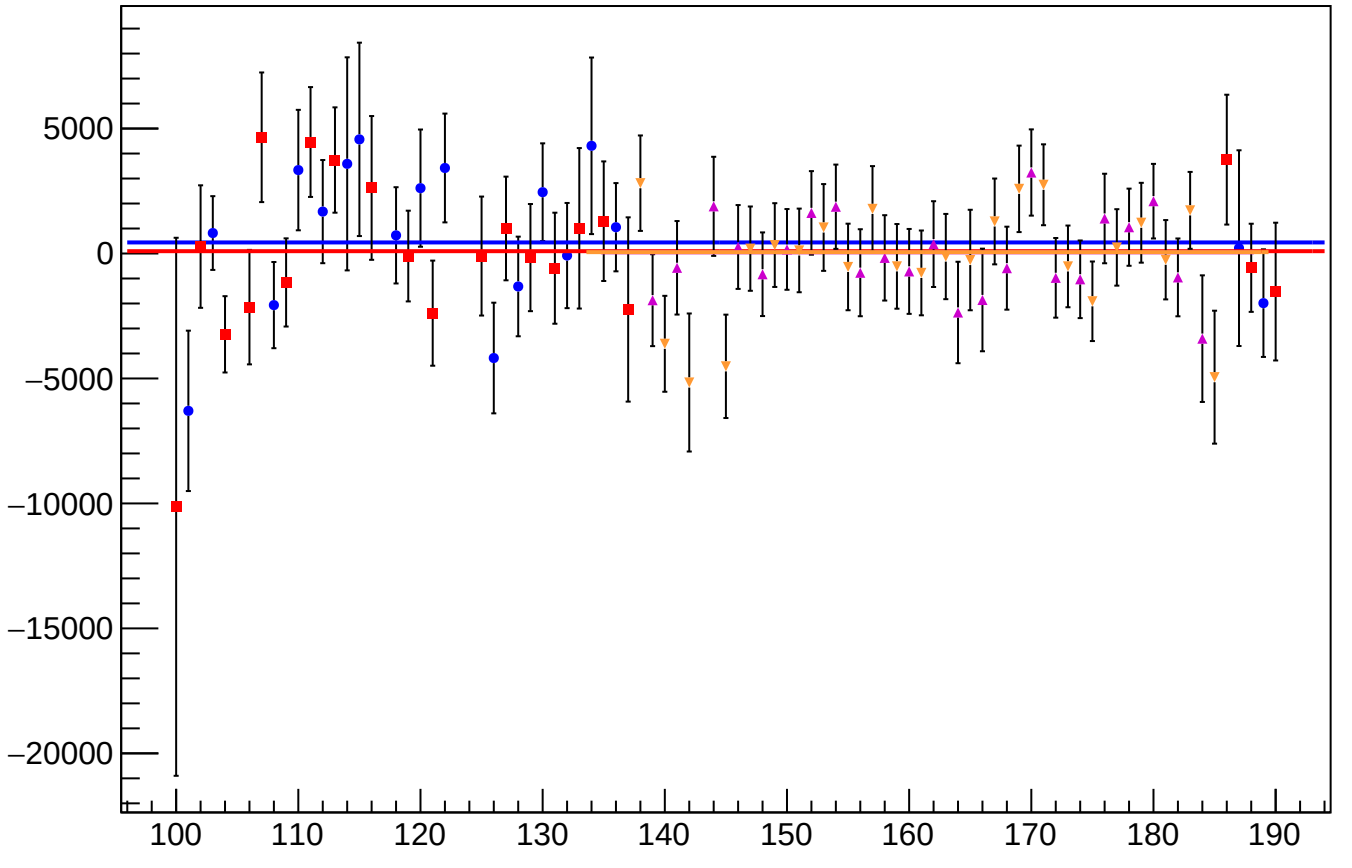
Right Out: 534.396+/-0.154 χ^2/NDF: 4824379.6/20

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

+ sign 457.617+/-0.069 χ^2/NDF: 8190246.9/41

All: 455.267+/-0.048 χ^2/NDF: 16613041.0/85

- sign 452.993+/-0.068 χ^2/NDF: 8420511.6/43



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: 93.240+/-492.438 χ^2/NDF: 22.8/20

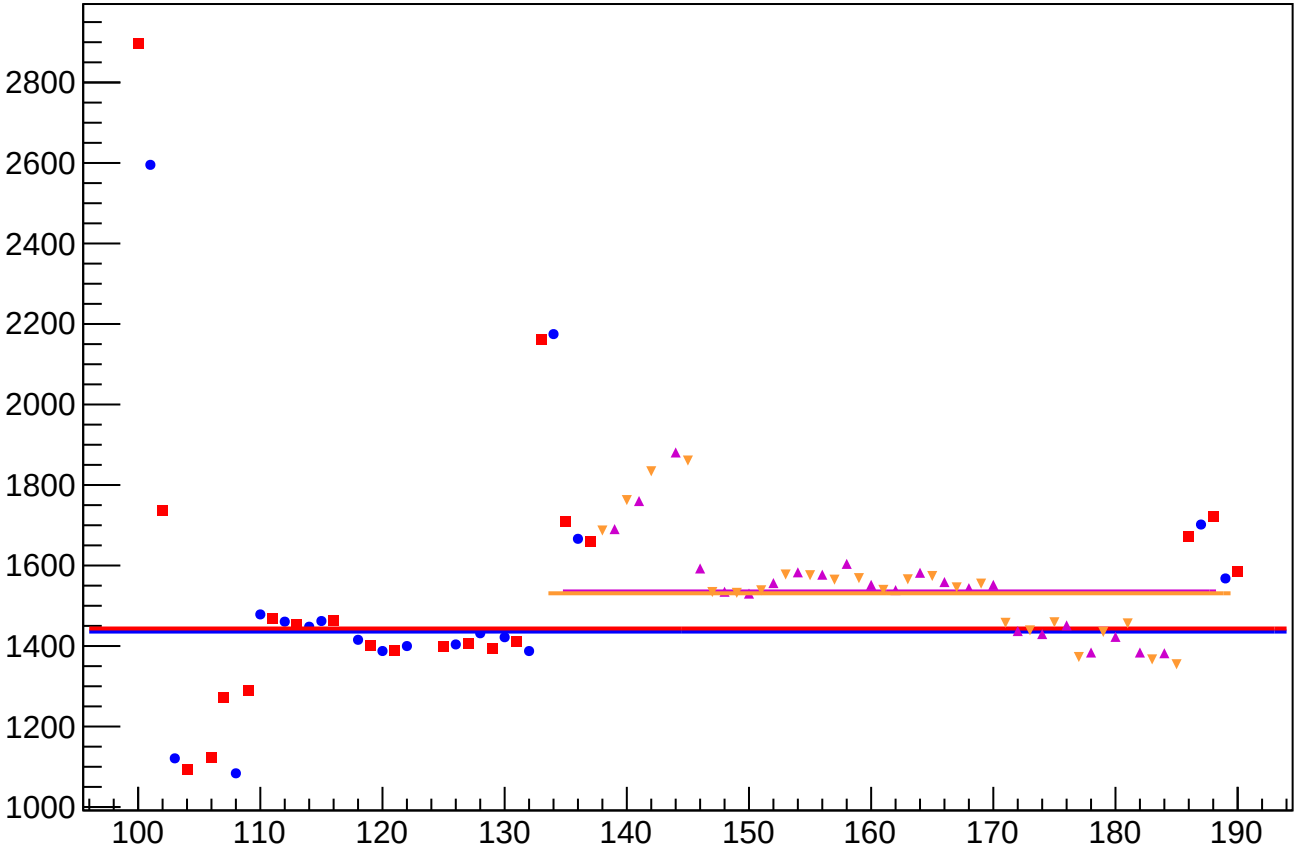
Left In: 48.256+/-359.531 χ^2/NDF:16.8/22

+ sign 179.051+/-293.820 χ^2/NDF: 50.5/41

All: 120.794+/-206.533 χ^2/NDF: 90.2/85

- sign 63.897+/-290.374 χ^2/NDF: 39.6/43

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

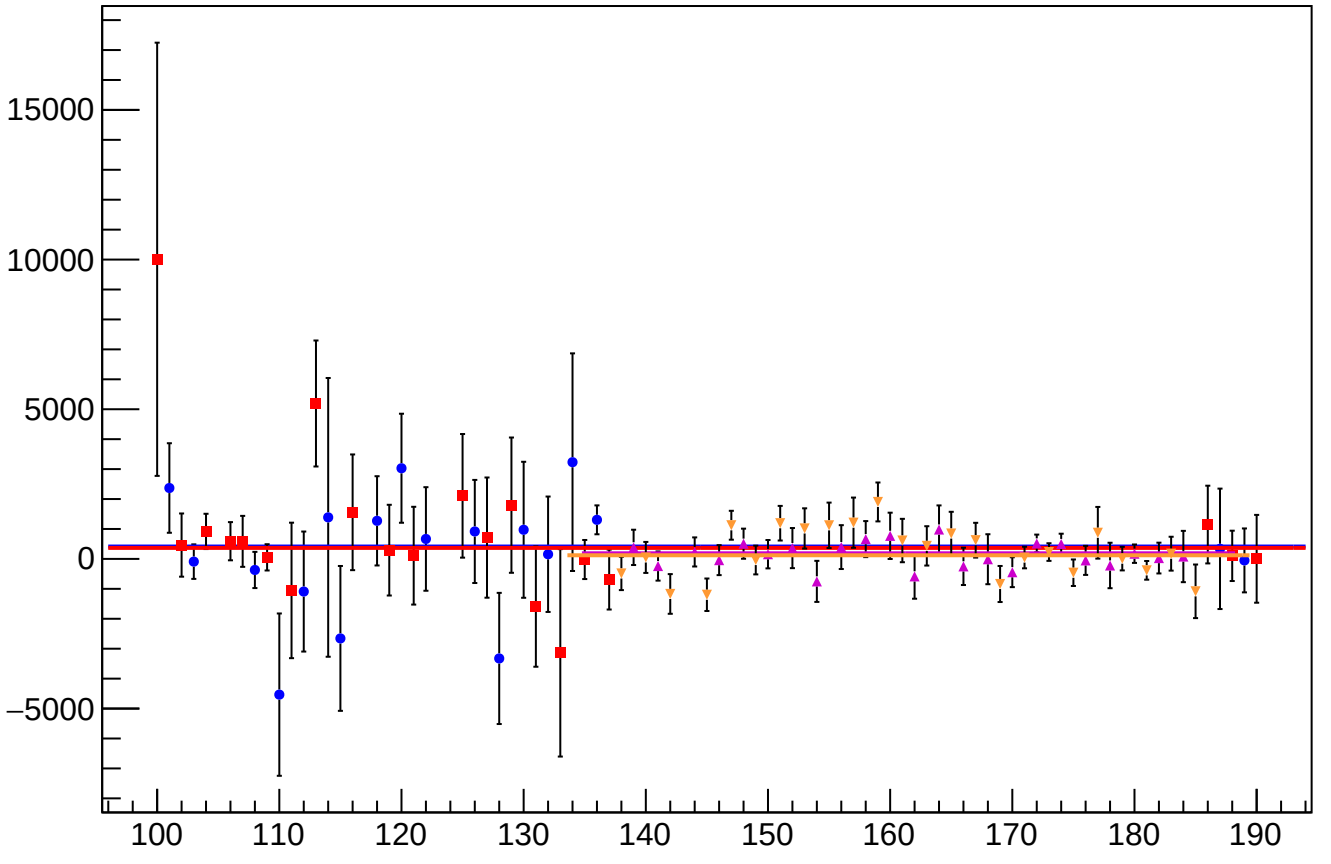
Right Out: 1443.511+/-0.348 χ^2/NDF: 440953.5/20

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1500.520+/-0.208 χ^2/NDF: 827374.4/41

All: 1502.052+/-0.146 χ^2/NDF: 1506442.6/85

- sign 1503.548+/-0.205 χ^2/NDF: 678960.8/43



Right In: 413.027+/-263.774 χ^2/NDF: 19.4/17

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

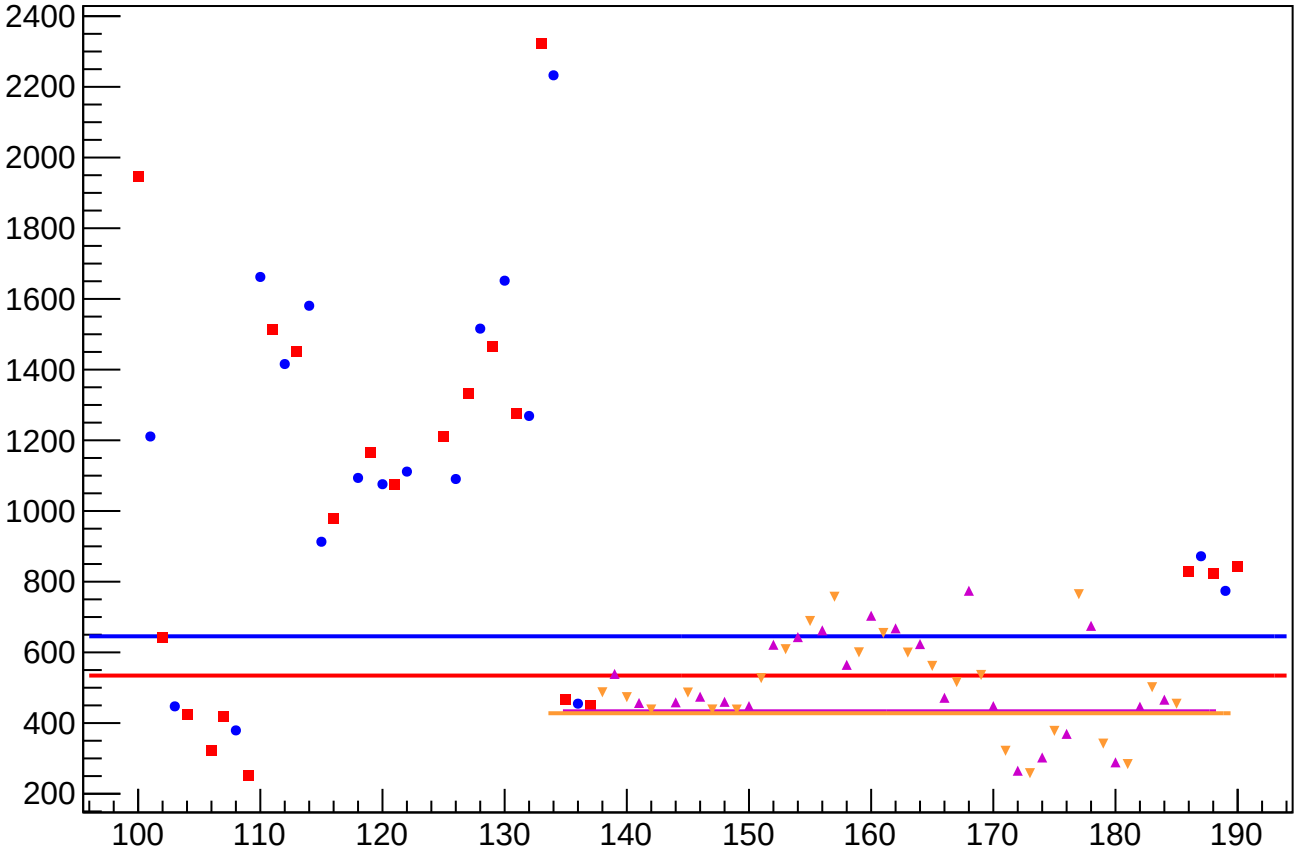
Right Out: 368.045+/-217.412 χ^2/NDF: 14.5/20

Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

\+ sign 161.265+/-97.603 χ^2/NDF: 64.1/41

All: 192.301+/-68.437 χ^2/NDF: 91.0/85

\- sign 222.318+/-95.985 χ^2/NDF: 26.7/43



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: 534.396+/-0.154 χ^2/NDF: 4824379.6/20

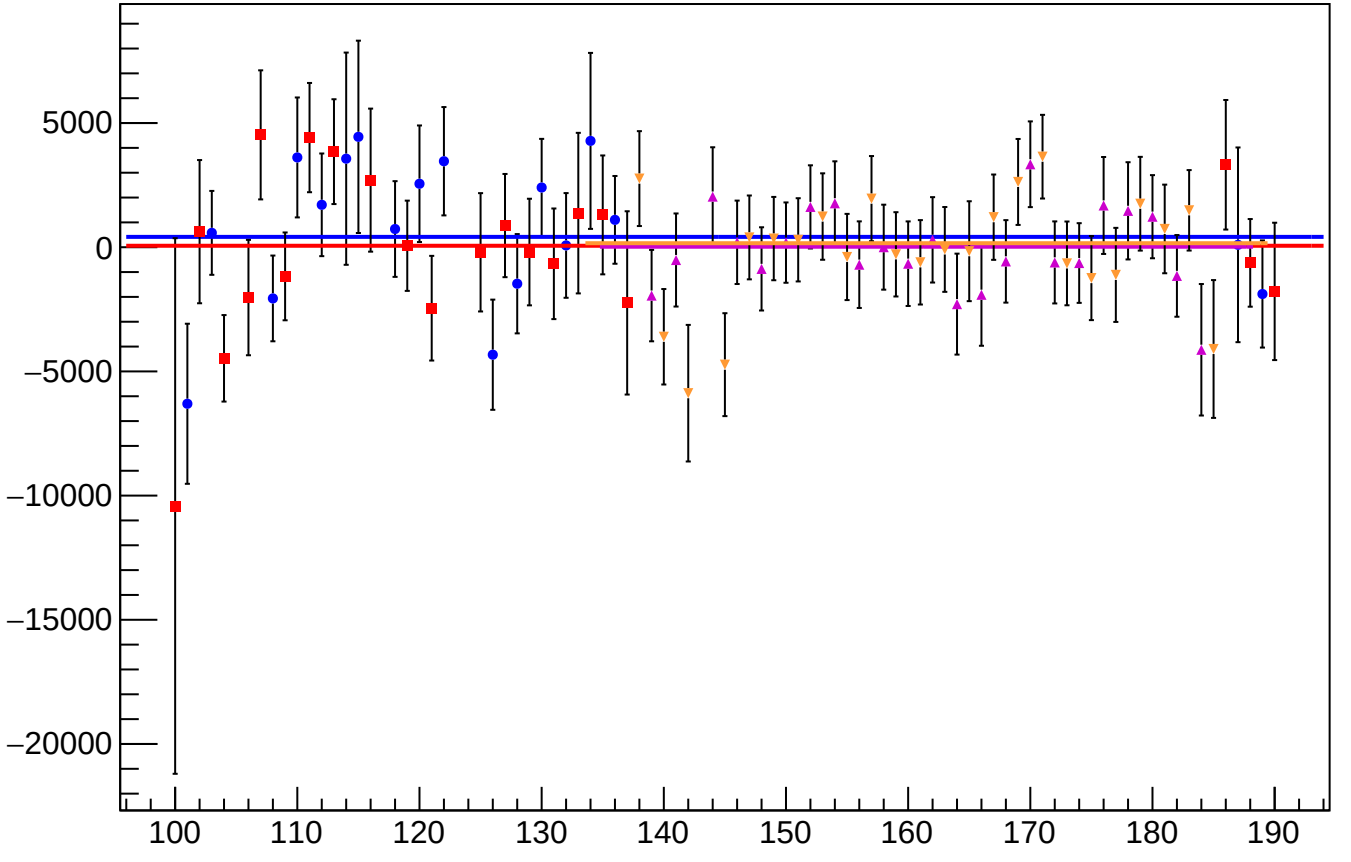
Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

+ sign 457.617+/-0.069 χ^2/NDF: 8190246.9/41

All: 455.267+/-0.048 χ^2/NDF: 16613041.0/85

- sign 452.993+/-0.068 χ^2/NDF: 8420511.6/43

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: 59.037+/-502.438 χ^2/NDF: 24.7/20

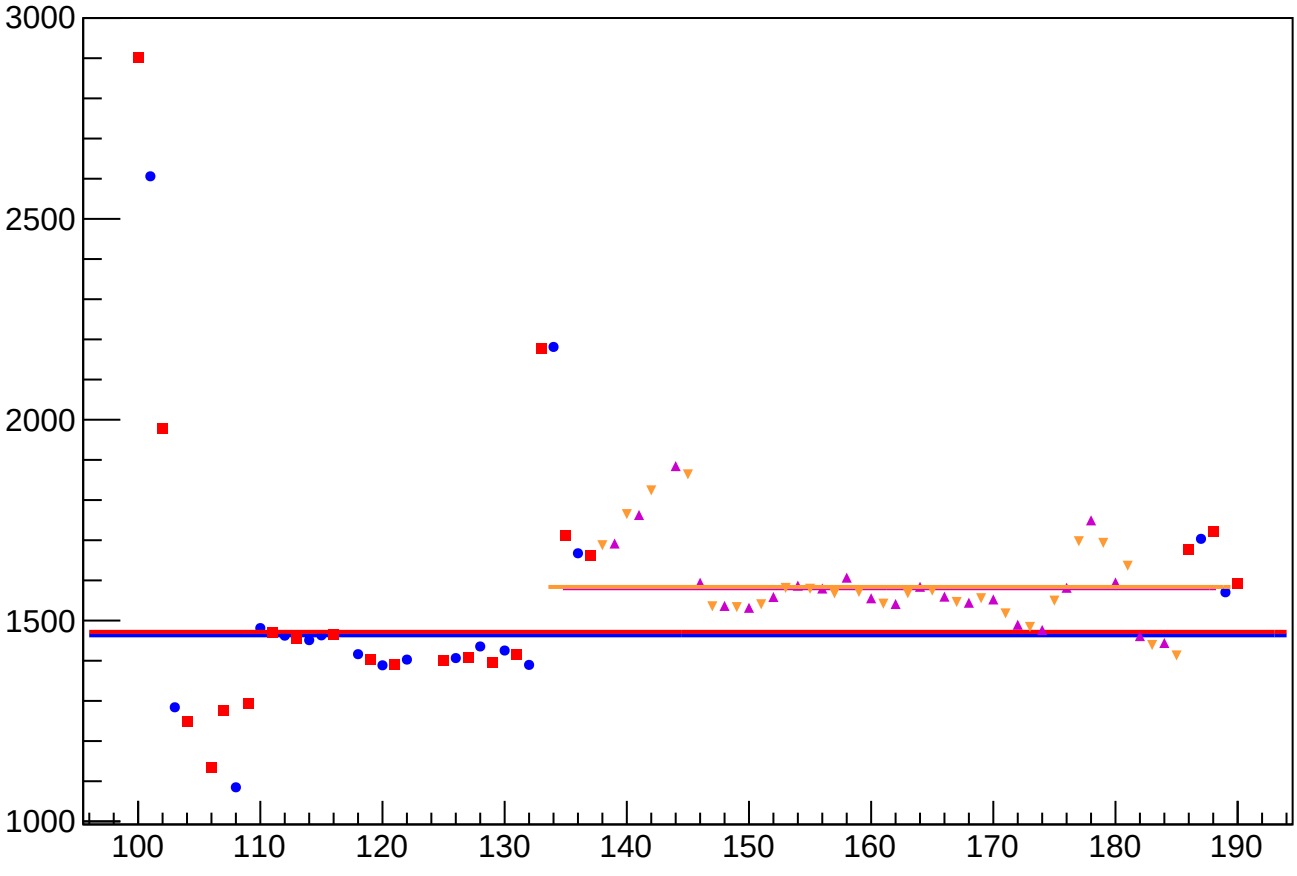
Left In: 20.252+/-369.781 χ^2/NDF:16.0/22

+ sign 245.137+/-302.064 χ^2/NDF: 52.1/41

All: 138.012+/-212.074 χ^2/NDF: 93.0/85

- sign 33.879+/-297.818 χ^2/NDF: 40.7/43

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

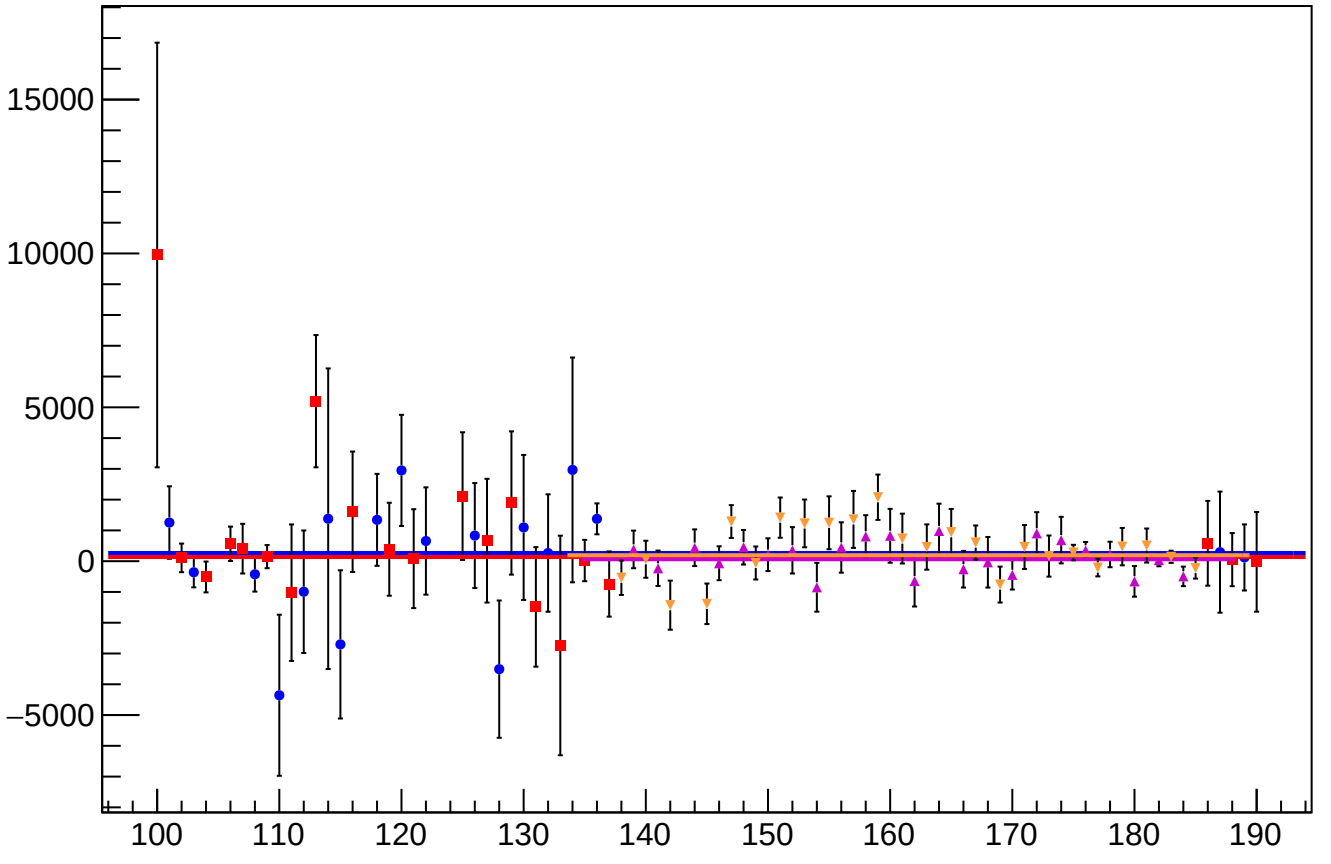
Right Out: 1471.936+/-0.355 χ^2/NDF: 394736.4/20

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1544.229+/-0.214 χ^2/NDF: 704775.8/41

All: 1543.267+/-0.150 χ^2/NDF: 1285826.5/85

- sign 1542.333+/-0.211 χ^2/NDF: 581010.7/43



Right In: 265.458+/-251.122 χ^2/NDF: 20.2/17

Left Out: 193.307+/-95.894 χ^2/NDF:40.1/23

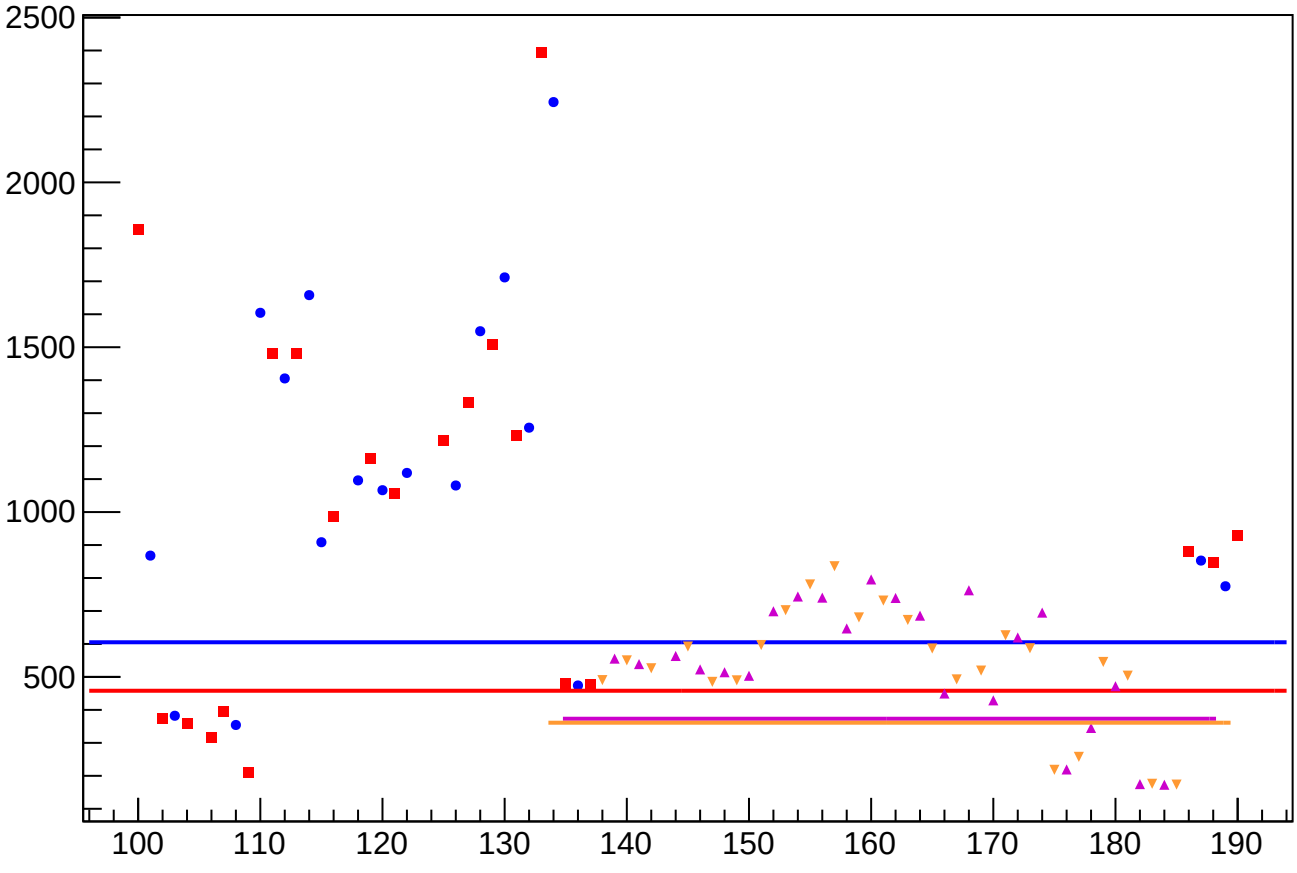
Right Out: 134.921+/-187.977 χ^2/NDF: 14.6/20

Left In: 62.183+/-99.717 χ^2/NDF:17.0/22

+ sign 202.489+/-89.584 χ^2/NDF: 60.4/41

All: 139.277+/-62.811 χ^2/NDF: 93.0/85

- sign 78.156+/-88.090 χ^2/NDF: 31.7/43



Right In: 605.091+/-0.178 χ^2/NDF: 3973313.4/17

Left Out: 361.100+/-0.068 χ^2/NDF:8183123.9/23

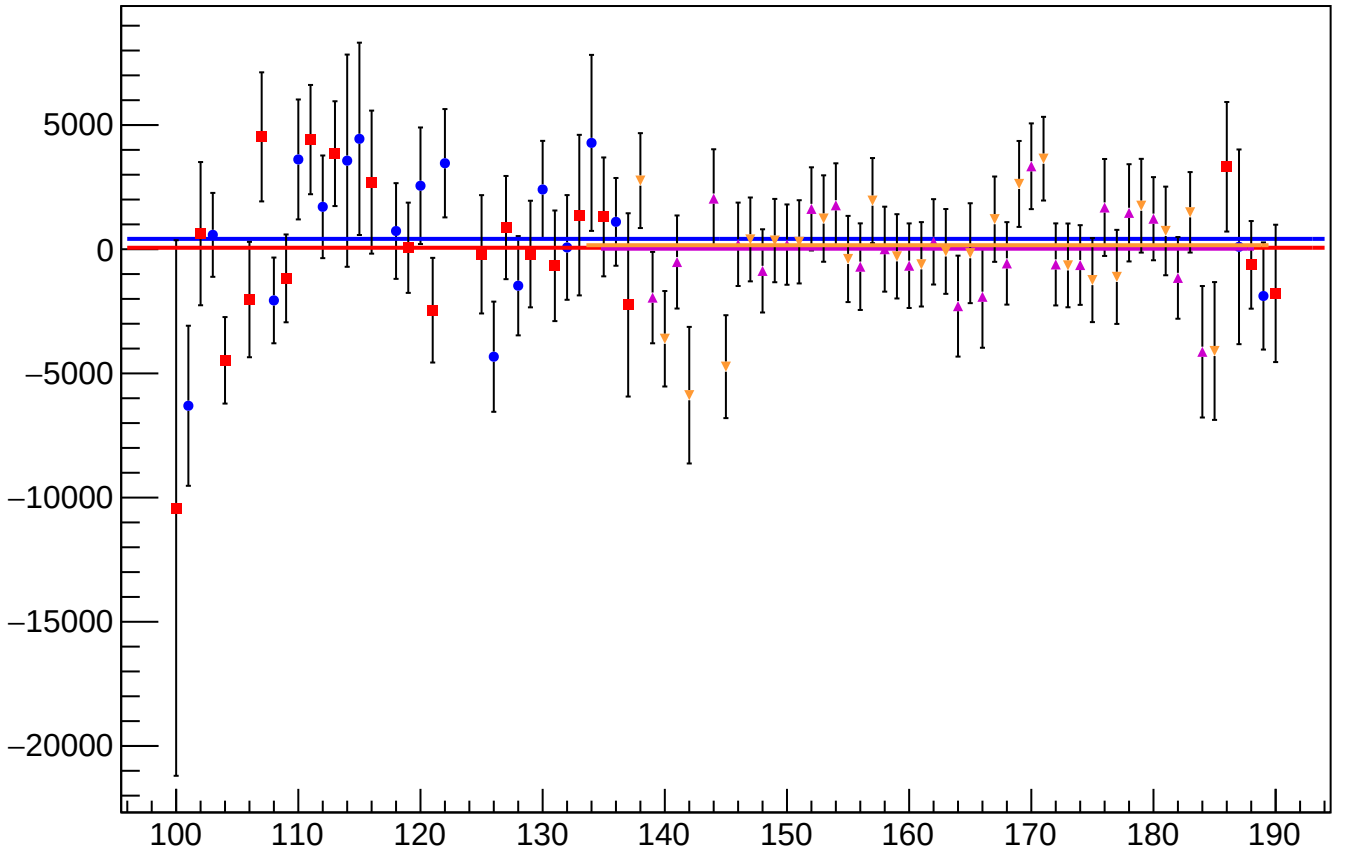
Right Out: 458.046+/-0.133 χ^2/NDF: 5683692.4/20

Left In: 373.140+/-0.071 χ^2/NDF:8207354.5/22

+ sign 392.150+/-0.063 χ^2/NDF: 13804199.2/41

All: 391.965+/-0.044 χ^2/NDF: 28013692.8/85

- sign 391.786+/-0.062 χ^2/NDF: 14209476.8/43



Right In: 416.629+/-527.764 χ^2/NDF: 22.0/17

Left Out: 161.587+/-368.366 χ^2/NDF:29.9/23

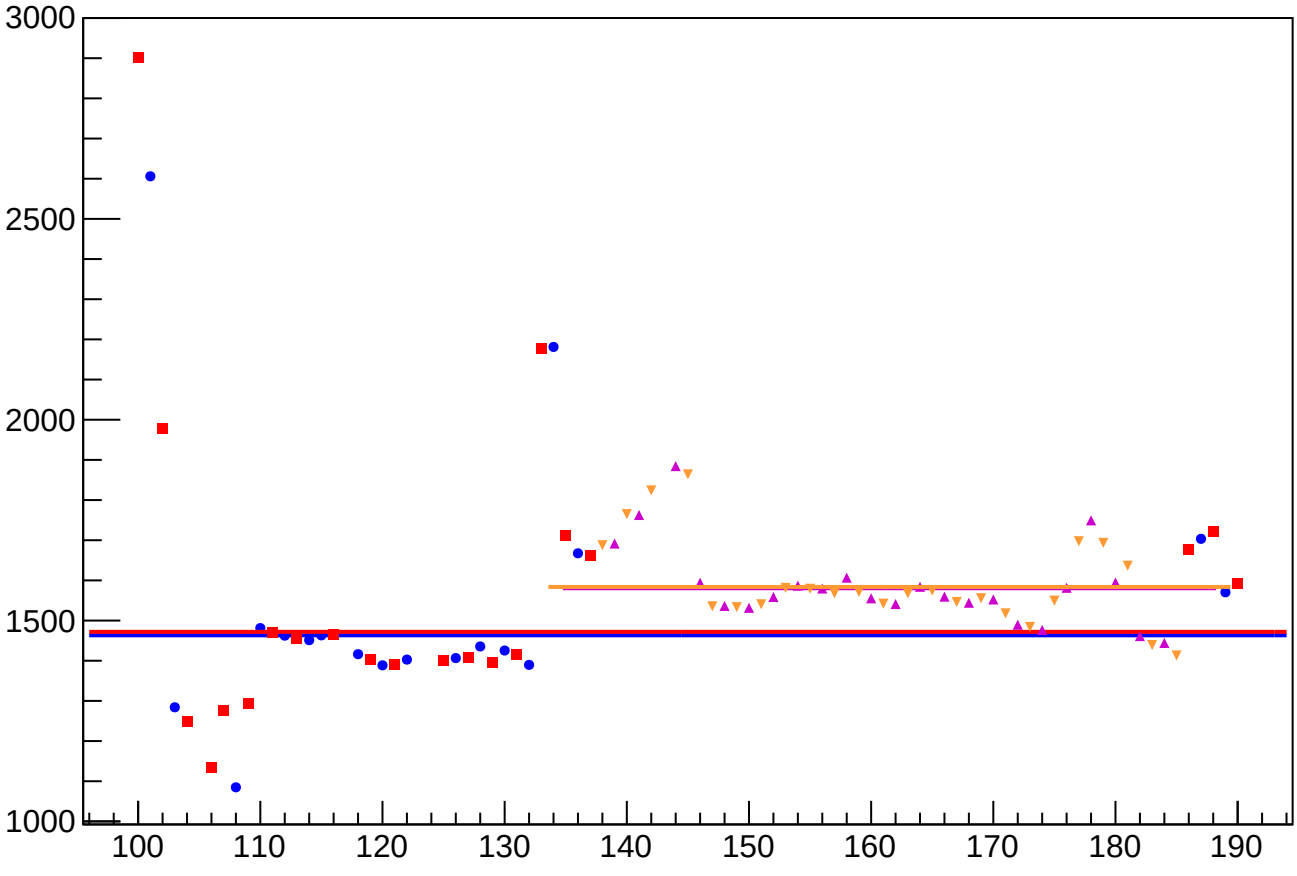
Right Out: 59.035+/-502.438 χ^2/NDF: 24.7/20

Left In: 20.250+/-369.781 χ^2/NDF:16.0/22

+ sign 245.134+/-302.064 χ^2/NDF: 52.1/41

All: 138.010+/-212.074 χ^2/NDF: 93.0/85

- sign 33.877+/-297.818 χ^2/NDF: 40.7/43



Right In: 1463.262+/-0.373 χ^2/NDF: 501188.1/17

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.3/23

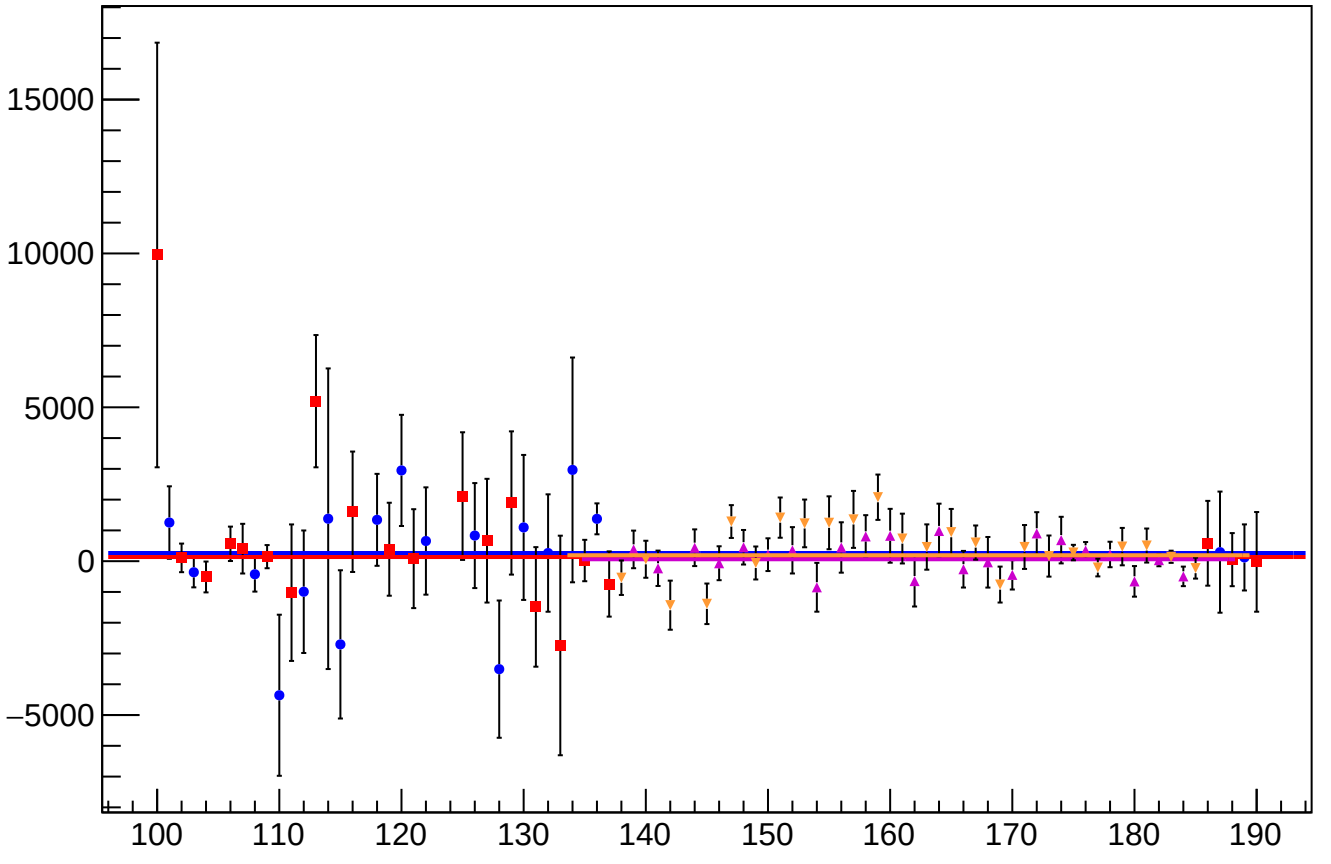
Right Out: 1471.936+/-0.355 χ^2/NDF: 394736.6/20

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1544.229+/-0.214 χ^2/NDF: 704775.3/41

All: 1543.267+/-0.150 χ^2/NDF: 1285825.8/85

- sign 1542.333+/-0.211 χ^2/NDF: 581010.6/43



Right In: 265.452+/-251.121 χ^2/NDF: 20.2/17

Left Out: 193.312+/-95.894 χ^2/NDF:40.1/23

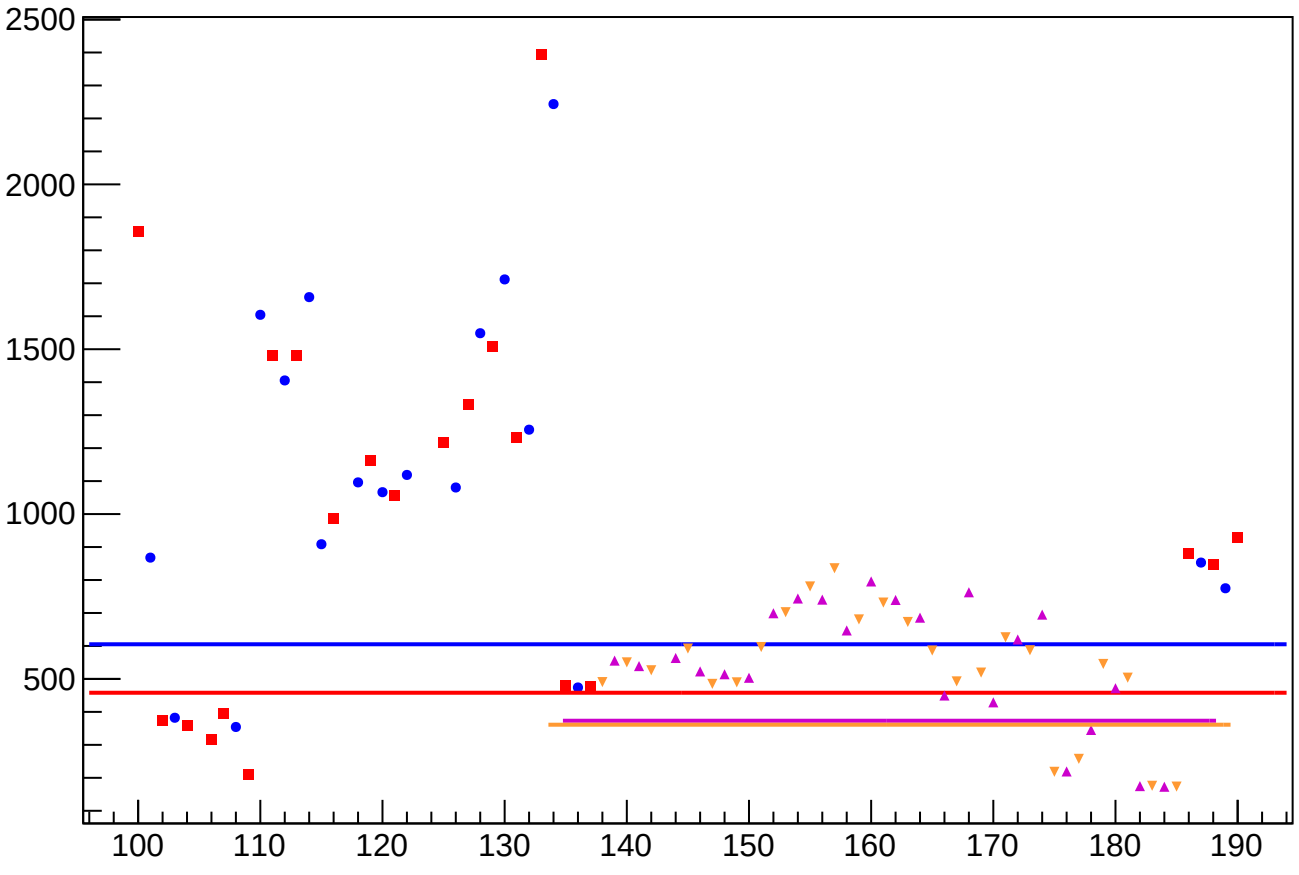
Right Out: 134.917+/-187.979 χ^2/NDF: 14.6/20

Left In: 62.181+/-99.718 χ^2/NDF:17.0/22

+ sign 202.493+/-89.585 χ^2/NDF: 60.4/41

All: 139.278+/-62.811 χ^2/NDF: 93.0/85

- sign 78.154+/-88.091 χ^2/NDF: 31.7/43



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: 458.052+/-0.133 χ^2/NDF: 5683612.1/20

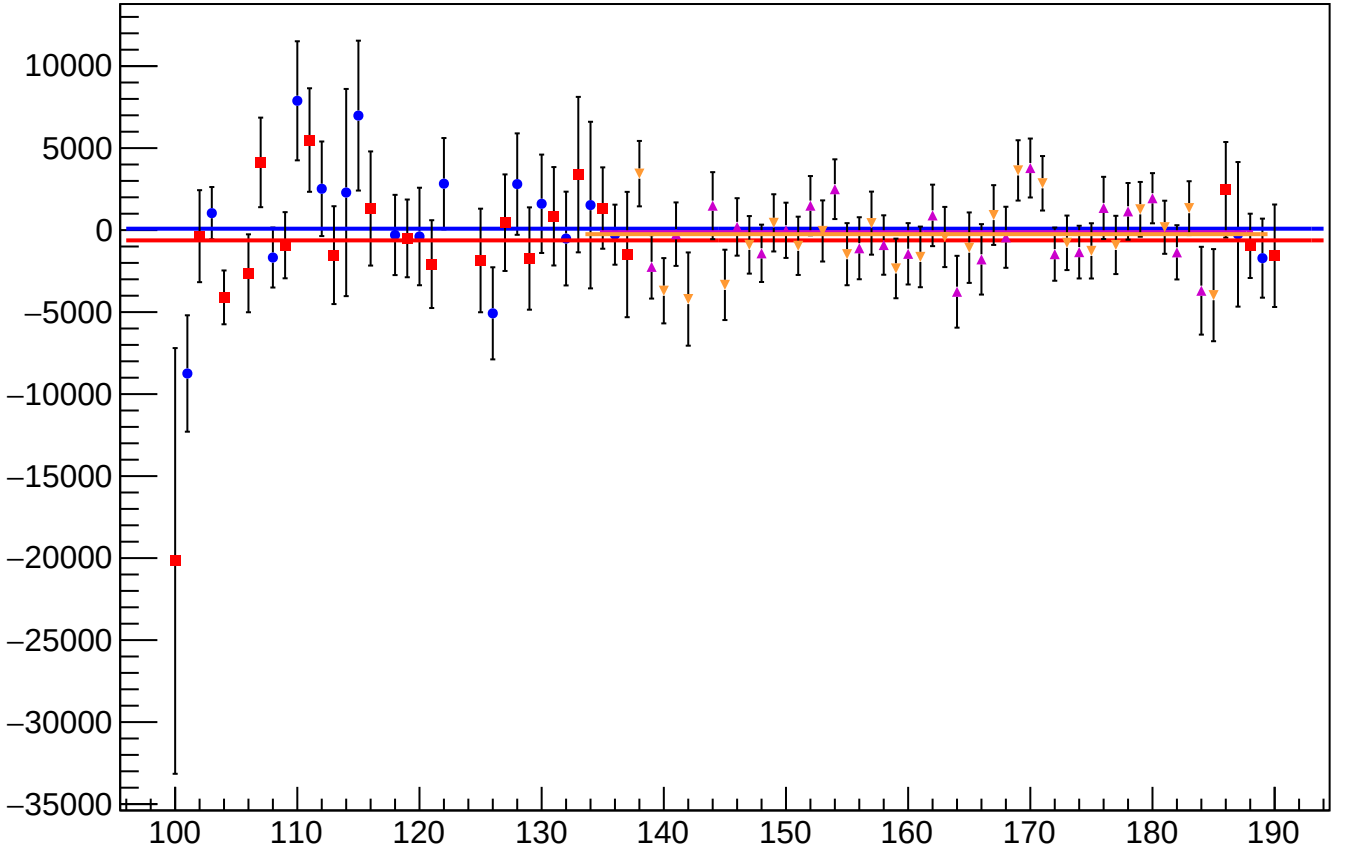
Left In: 373.145+/-0.071 χ^2/NDF:8207110.6/22

+ sign 392.154+/-0.063 χ^2/NDF: 13804012.1/41

All: 391.969+/-0.044 χ^2/NDF: 28013183.2/85

- sign 391.791+/-0.062 χ^2/NDF: 14209154.4/43

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: -626.705+/-591.373 χ^2/NDF: 18.3/20

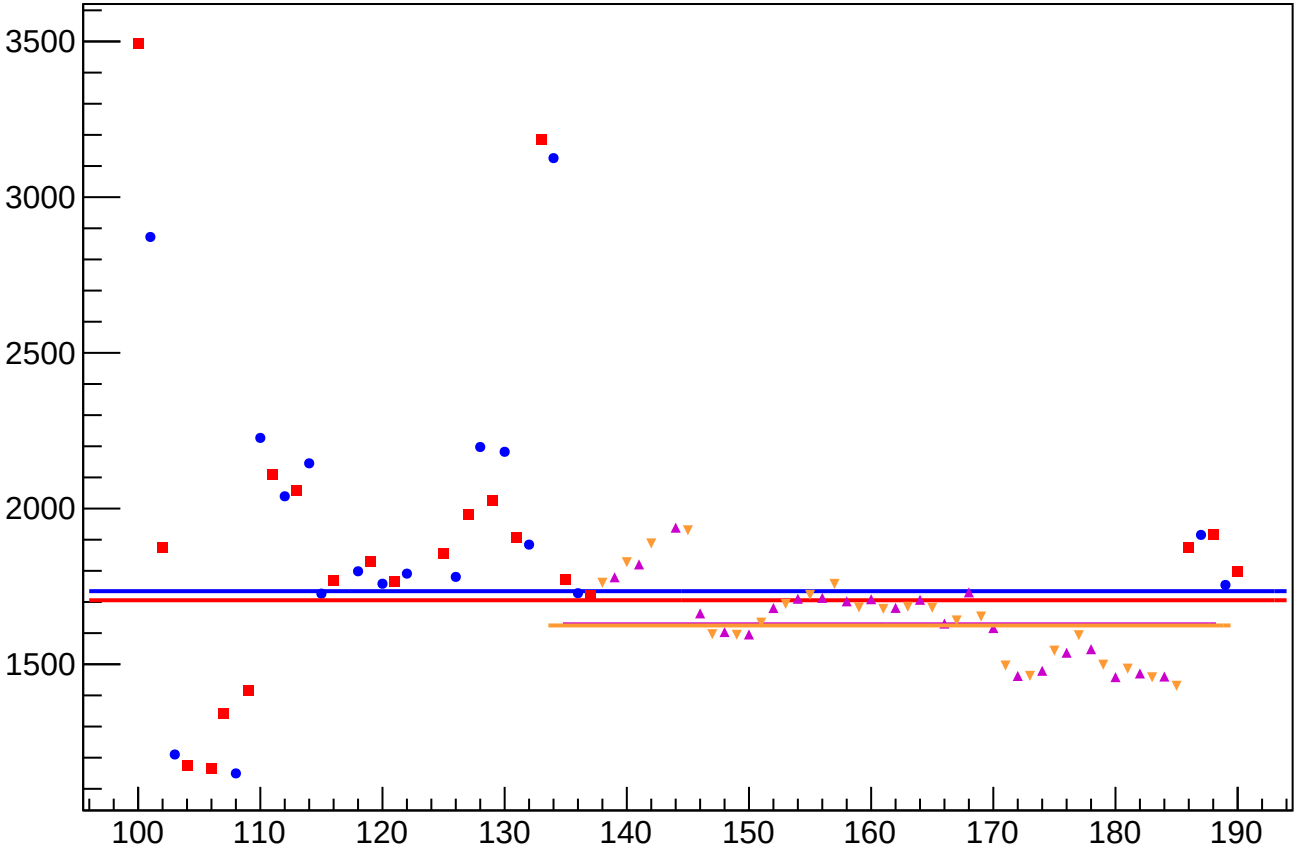
Left In: -126.114+/-381.305 χ^2/NDF:21.2/22

+ sign -160.055+/-325.010 χ^2/NDF: 47.6/41

All: -217.381+/-228.193 χ^2/NDF: 87.6/85

- sign -273.115+/-320.465 χ^2/NDF: 40.0/43

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

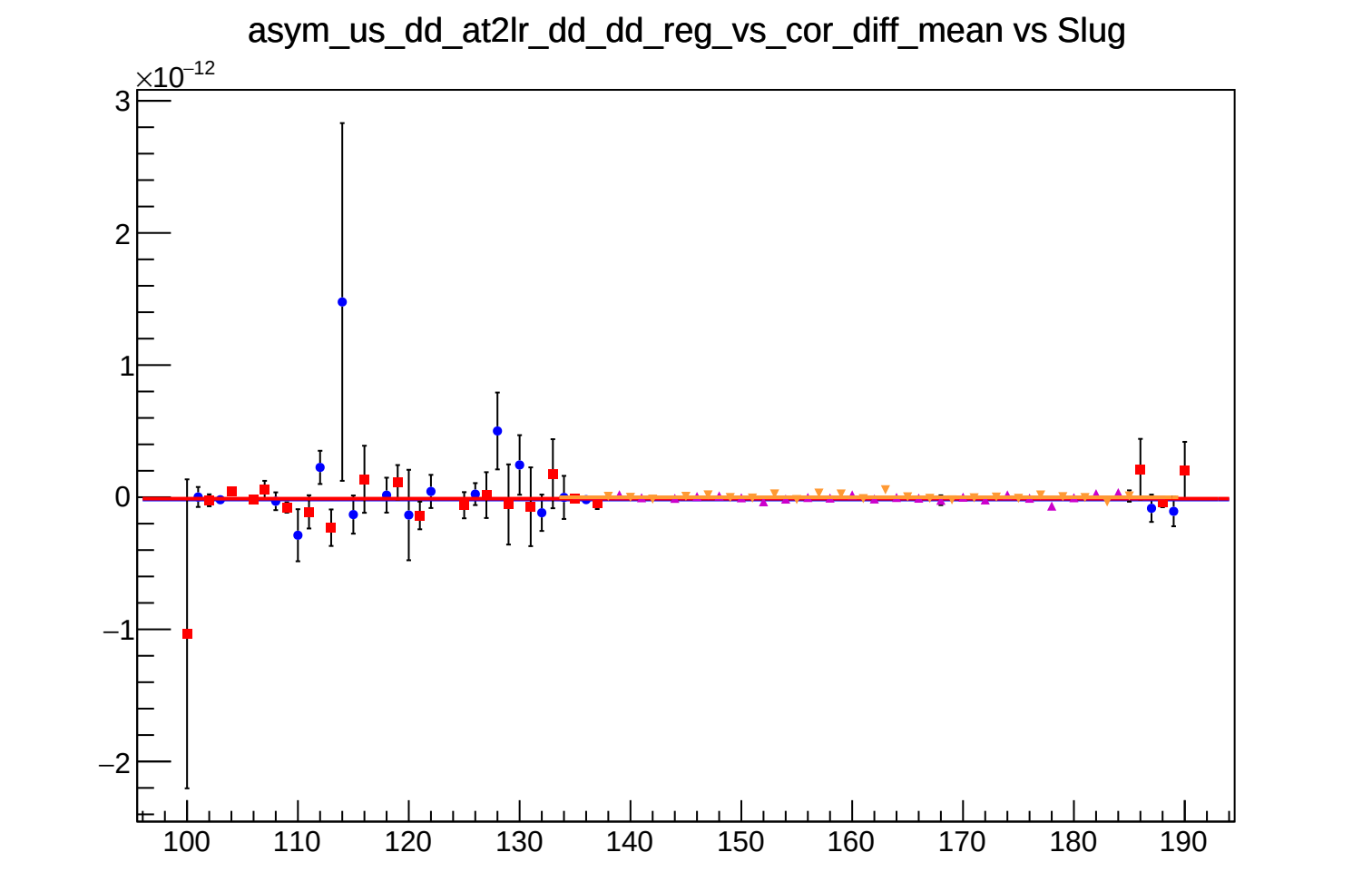
Right Out: 1705.557+/-0.418 χ^2/NDF: 782217.8/20

Left In: 1628.221+/-0.270 χ^2/NDF:204880.6/22

+ sign 1653.413+/-0.230 χ^2/NDF: 1197305.2/41

All: 1652.155+/-0.161 χ^2/NDF: 2208622.7/85

- sign 1650.931+/-0.227 χ^2/NDF: 1011258.3/43



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/17

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/23

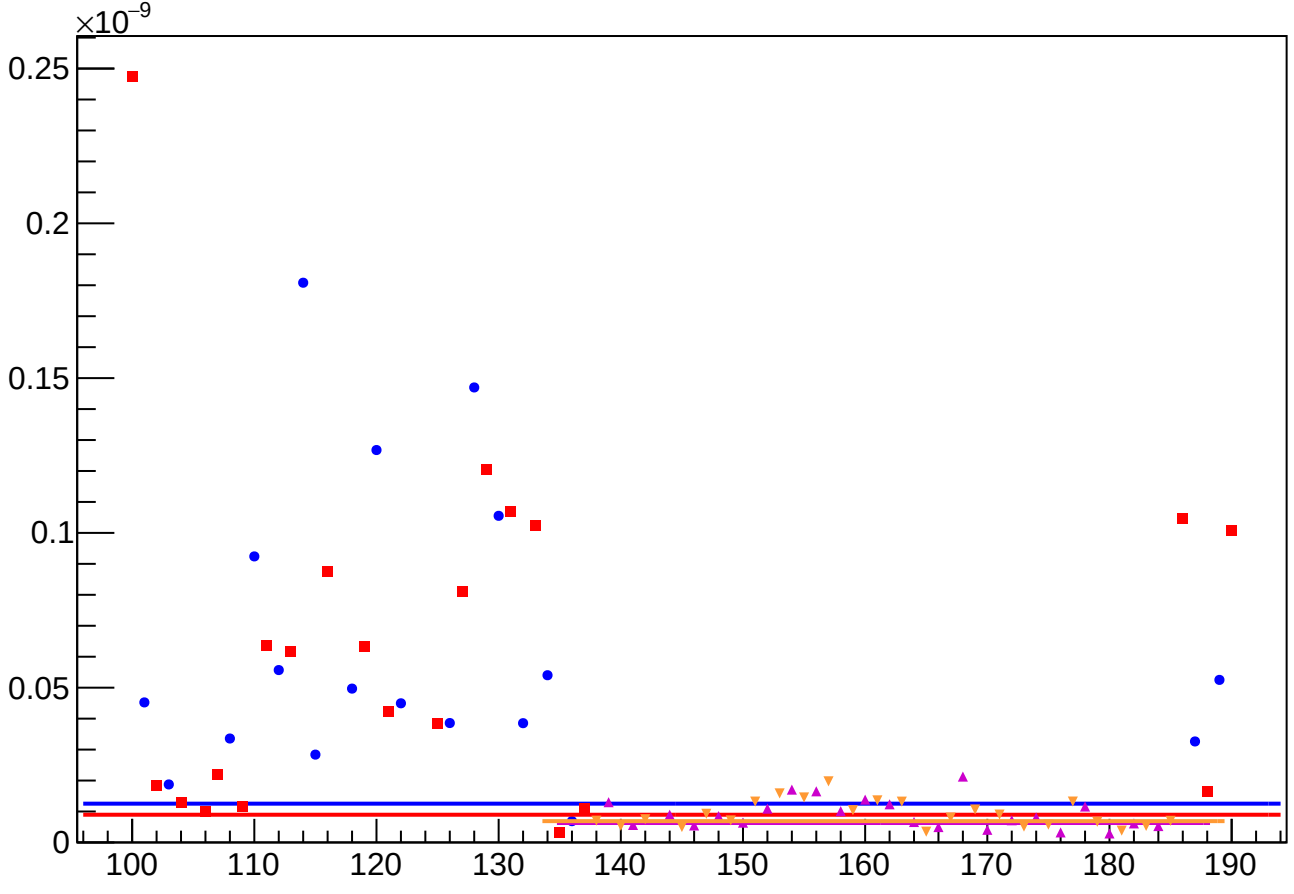
Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/20

Left In: -0.000+/-0.000 χ^2/NDF:24.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 39.5/41

All: -0.000+/-0.000 χ^2/NDF: 83.7/85

- sign -0.000+/-0.000 χ^2/NDF: 44.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 3756846.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:2256547.8/23

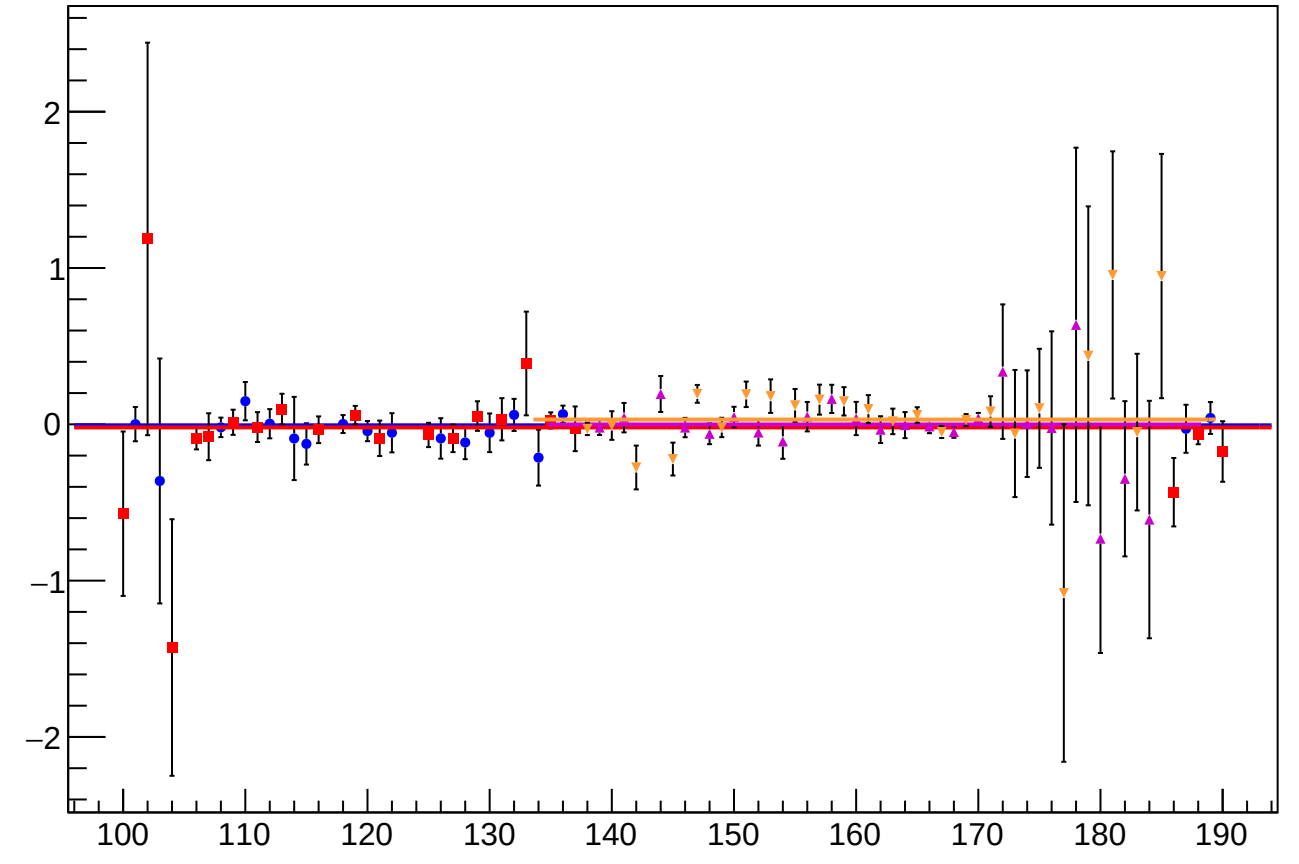
Right Out: 0.000+/-0.000 χ^2/NDF: 4318793.0/20

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: 14051800.0/85

- sign 0.000+/-0.000 χ^2/NDF: 7387347.9/43



Right In: -0.006+/-0.022 χ^2/NDF: 8.5/17

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

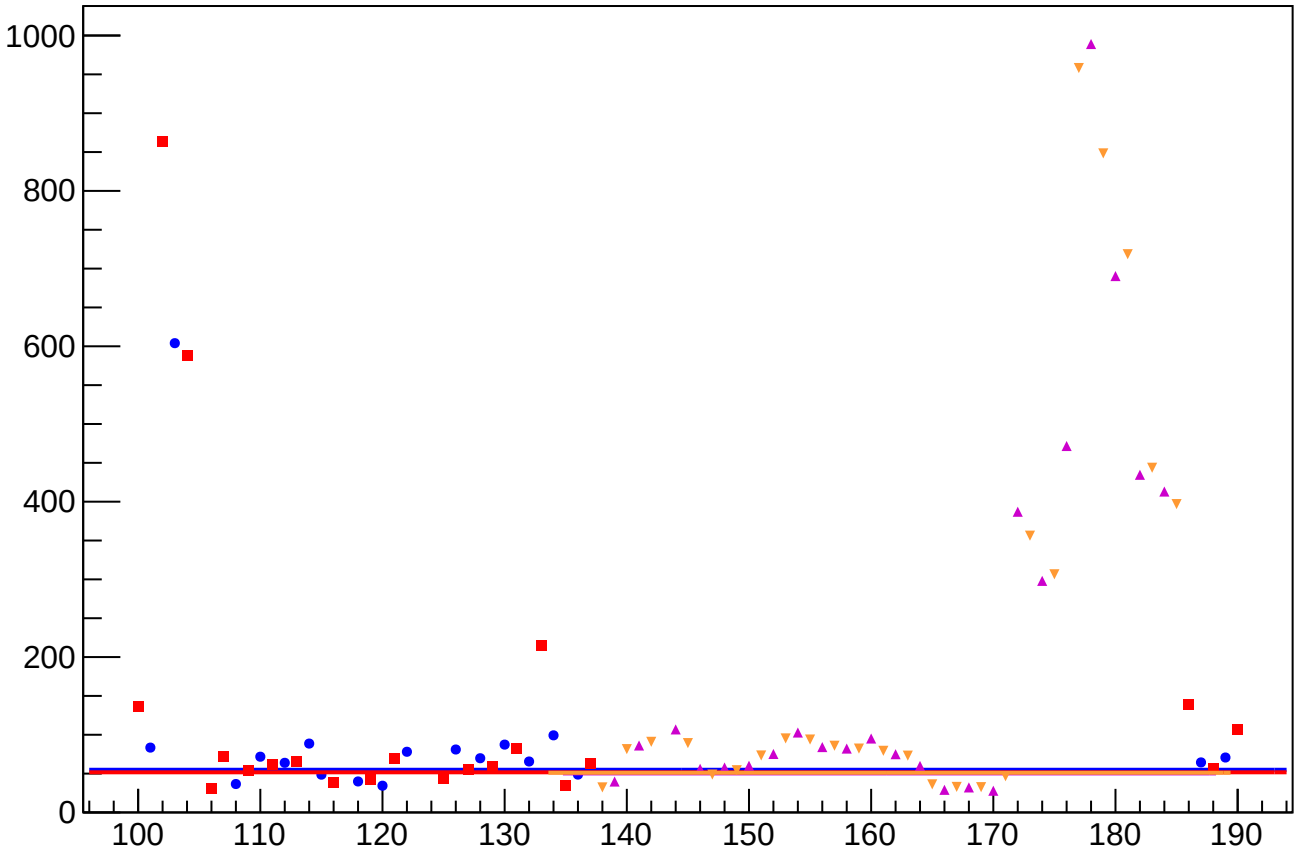
Right Out: -0.020+/-0.021 χ^2/NDF: 18.8/20

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: 89.5/85

- sign -0.007+/-0.012 χ^2/NDF: 35.4/43



Right In: 54.949+/-0.016 χ^2/NDF: 2273622.7/17

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

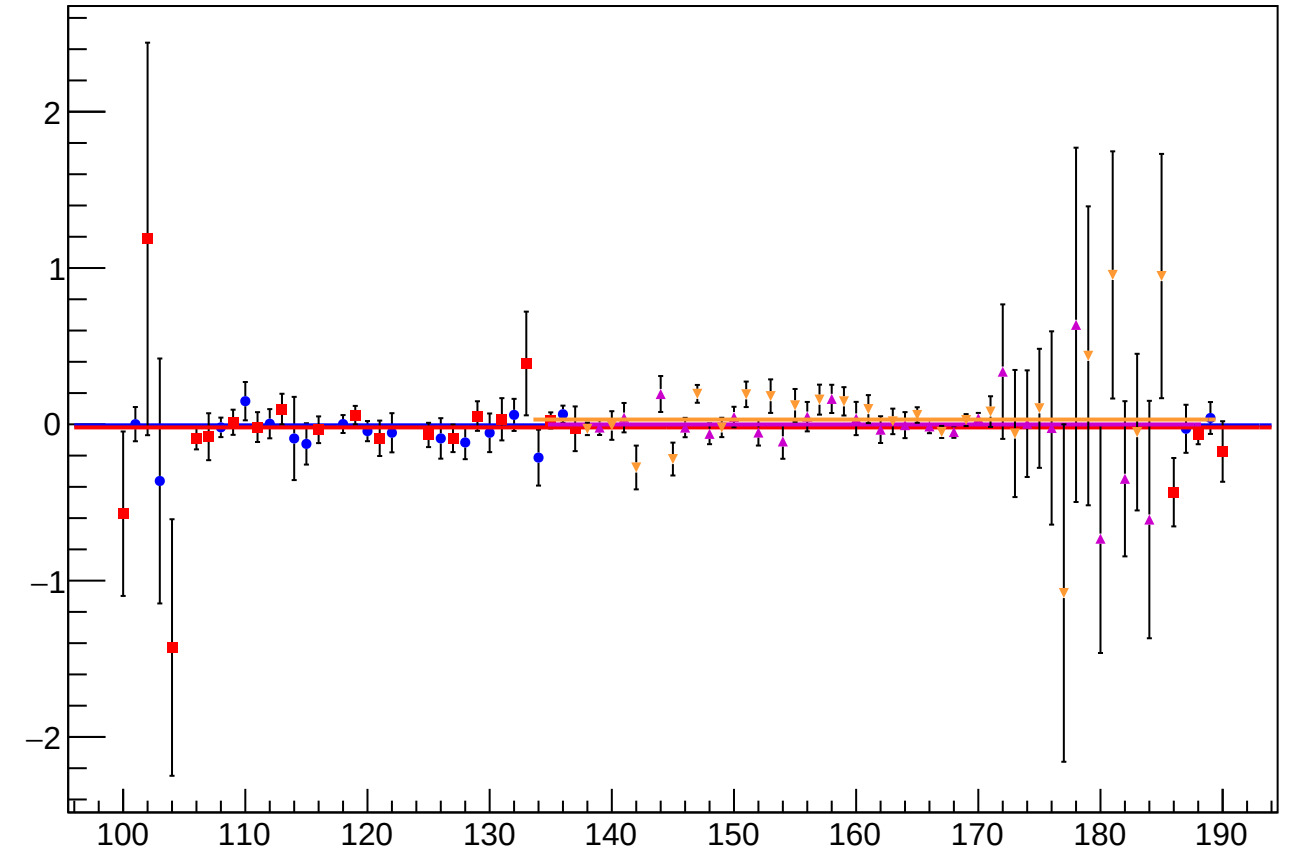
Right Out: 51.674+/-0.015 χ^2/NDF: 3527401.5/20

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

\+ sign 52.338+/-0.009 χ^2/NDF: 14050875.0/41

All: 51.518+/-0.006 χ^2/NDF: 29796232.2/85

\- sign 50.753+/-0.009 χ^2/NDF: 15729271.3/43



Right In: -0.006+/-0.022 χ^2/NDF: 8.5/17

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

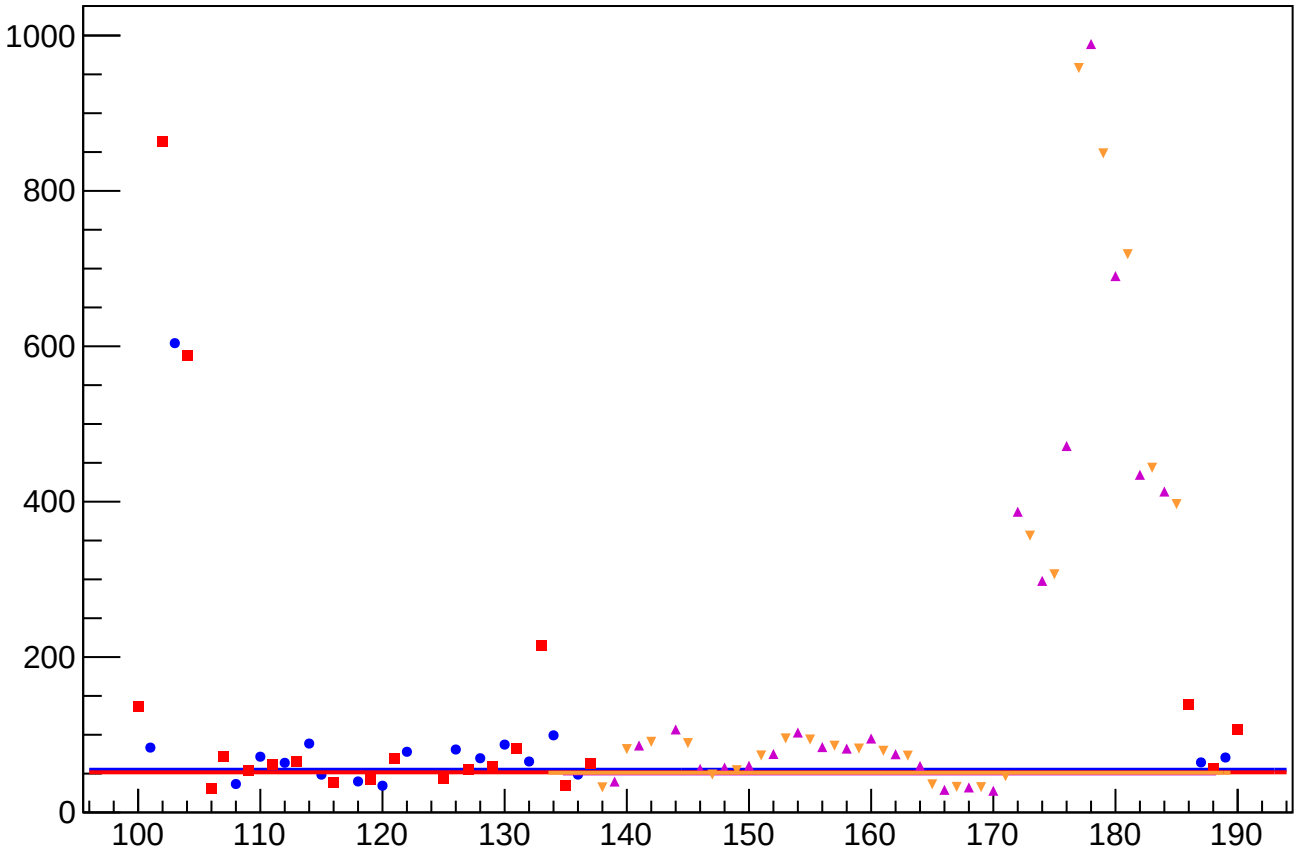
Right Out: -0.020+/-0.021 χ^2/NDF: 18.8/20

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: 89.5/85

- sign -0.007+/-0.012 χ^2/NDF: 35.4/43



Right In: 54.949+/-0.016 χ^2/NDF: 2273622.7/17

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

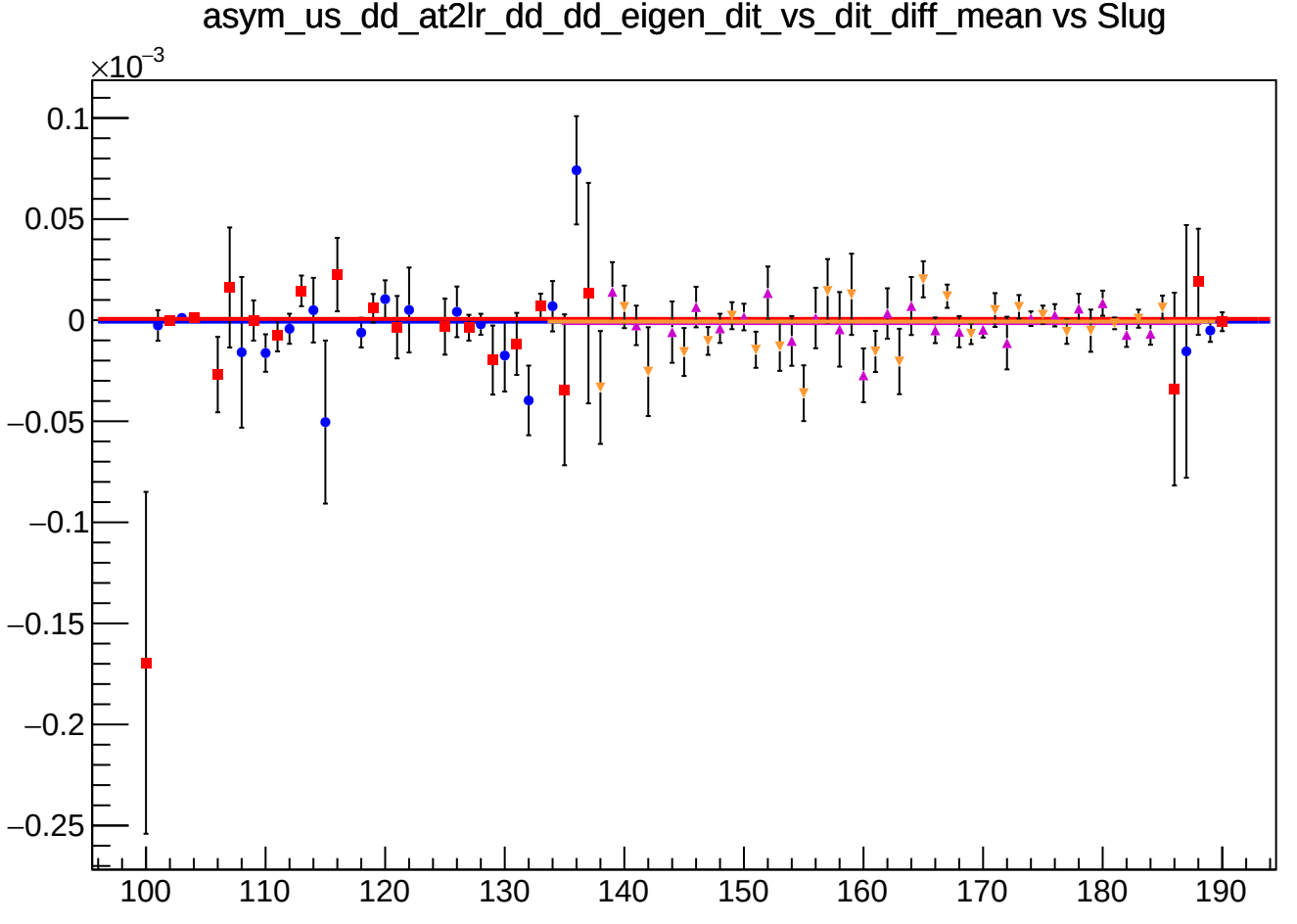
Right Out: 51.674+/-0.015 χ^2/NDF: 3527401.5/20

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

\+ sign 52.338+/-0.009 χ^2/NDF: 14050875.0/41

All: 51.518+/-0.006 χ^2/NDF: 29796232.2/85

\- sign 50.753+/-0.009 χ^2/NDF: 15729271.3/43



Right In: -0.000+/-0.000 χ^2/NDF: 22.8/17

Left Out: -0.000+/-0.000 χ^2/NDF:38.5/23

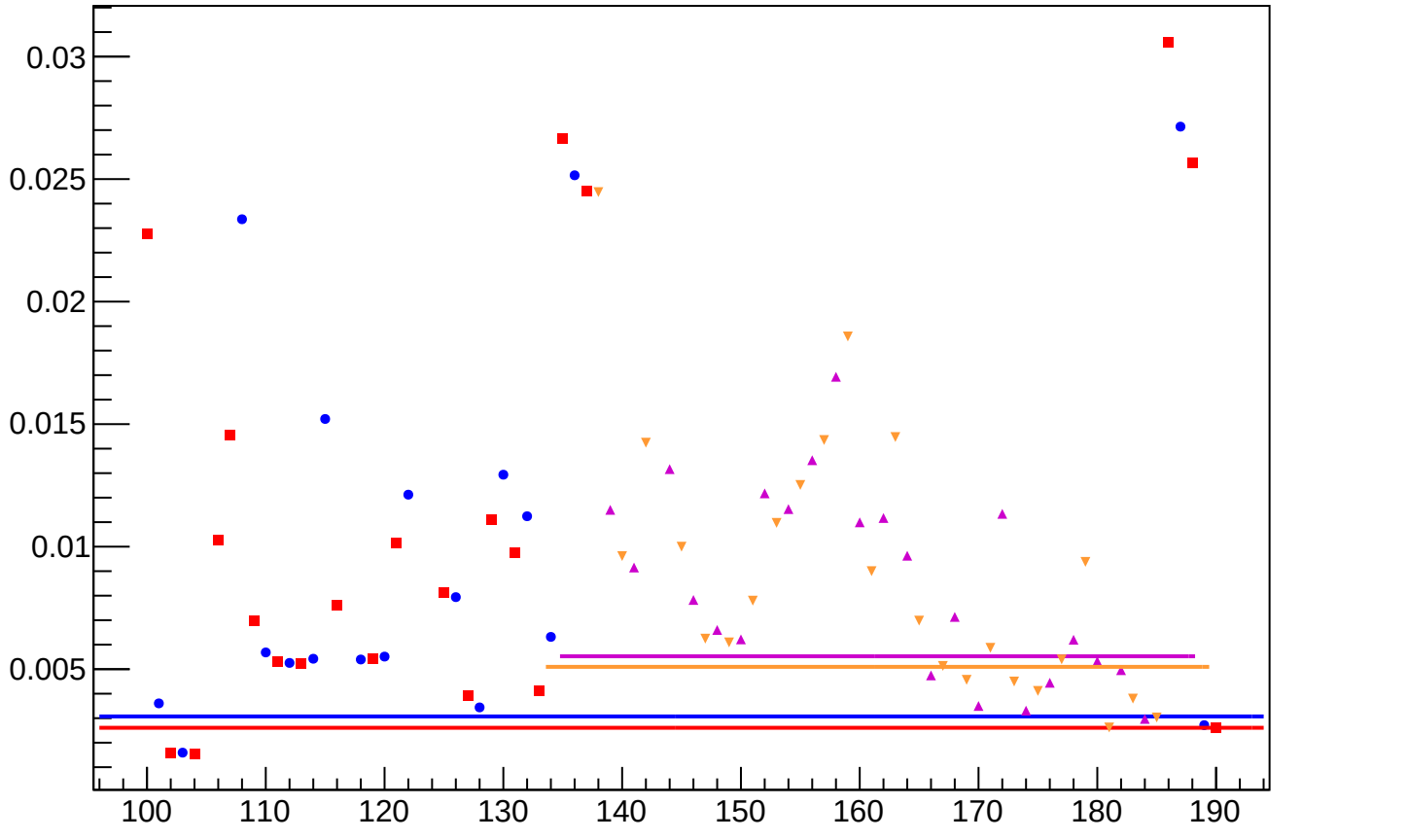
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/20

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: 98.0/85

- sign -0.000+/-0.000 χ^2/NDF: 36.5/43



Right In: 0.003+/-0.000 χ^2/NDF: 6083964.2/17

Left Out: 0.005+/-0.000 χ^2/NDF:8380878.9/23

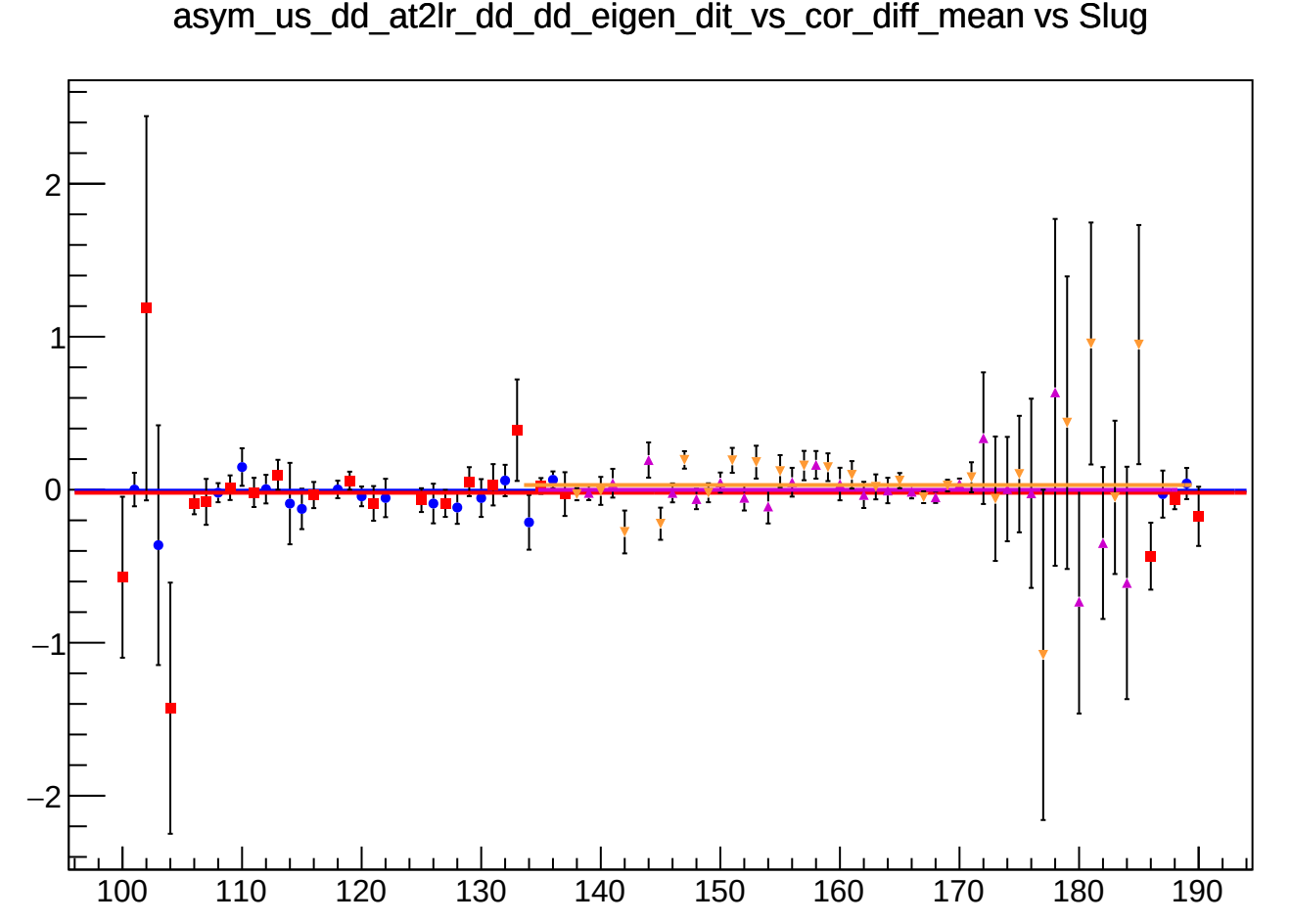
Right Out: 0.003+/-0.000 χ^2/NDF: 8474453.4/20

Left In: 0.006+/-0.000 χ^2/NDF:6892708.8/22

+ sign 0.004+/-0.000 χ^2/NDF: 16341330.1/41

All: 0.004+/-0.000 χ^2/NDF: 36409420.2/85

- sign 0.004+/-0.000 χ^2/NDF: 19879467.0/43



Right In: -0.006+/-0.022 χ^2/NDF: 8.5/17

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

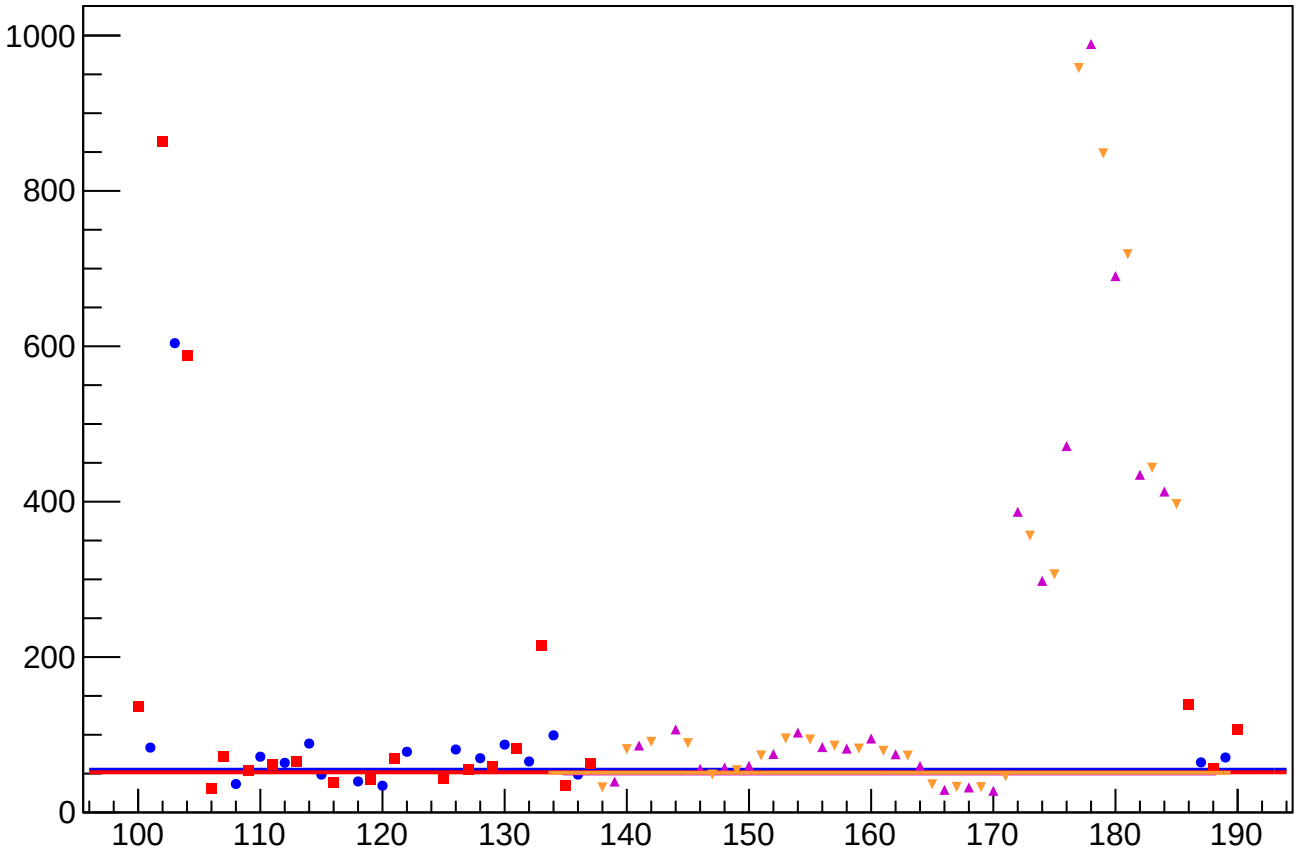
Right Out: -0.020+/-0.021 χ^2/NDF: 18.8/20

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: 89.5/85

- sign -0.007+/-0.012 χ^2/NDF: 35.4/43



Right In: 54.952+/-0.016 χ^2/NDF: 2273218.6/17

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

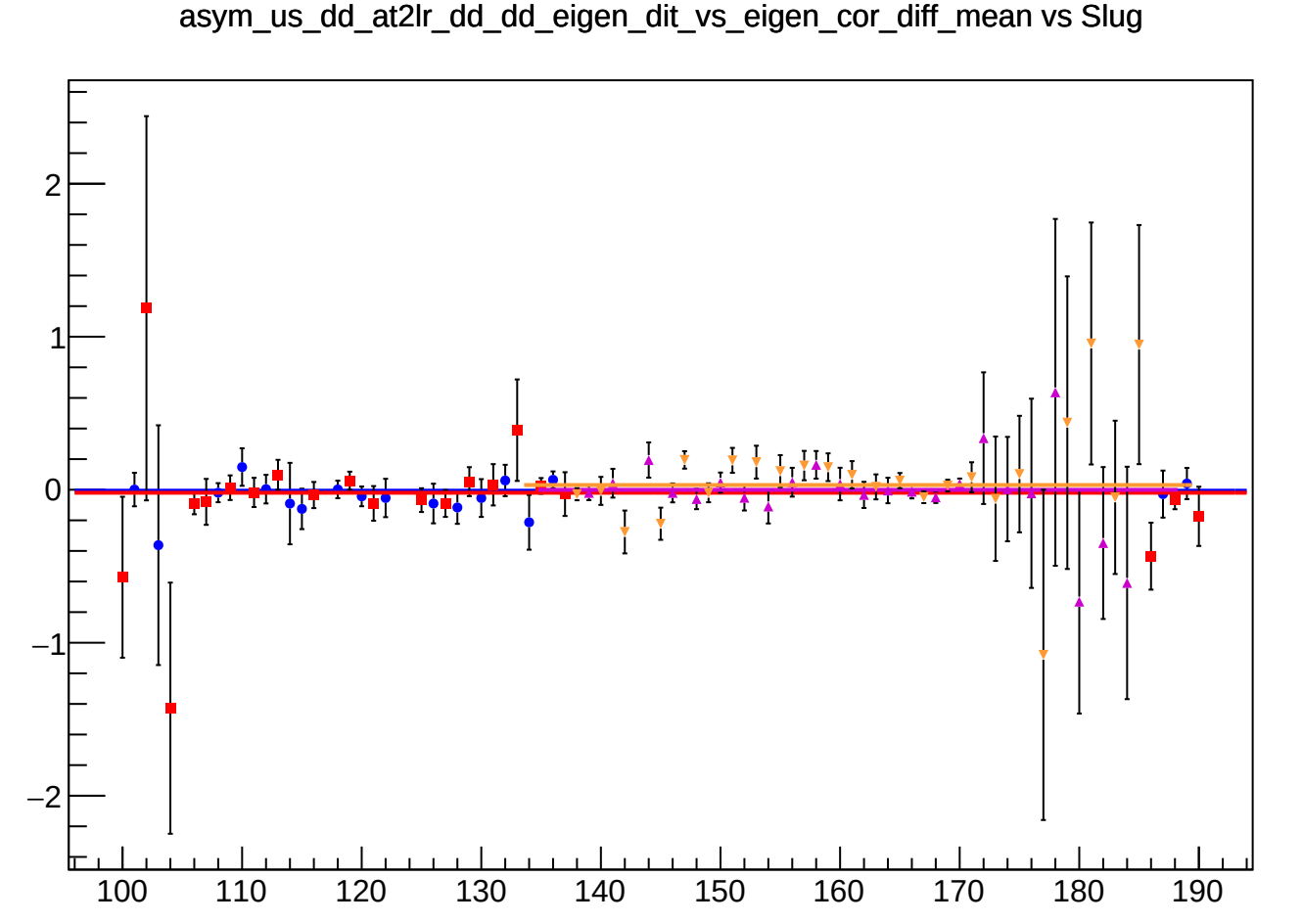
Right Out: 51.676+/-0.015 χ^2/NDF: 3527121.9/20

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

\+ sign 52.341+/-0.009 χ^2/NDF: 14049655.4/41

All: 51.519+/-0.006 χ^2/NDF: 29794731.2/85

\- sign 50.754+/-0.009 χ^2/NDF: 15728953.2/43



Right In: -0.006+/-0.022 χ^2/NDF: 8.5/17

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

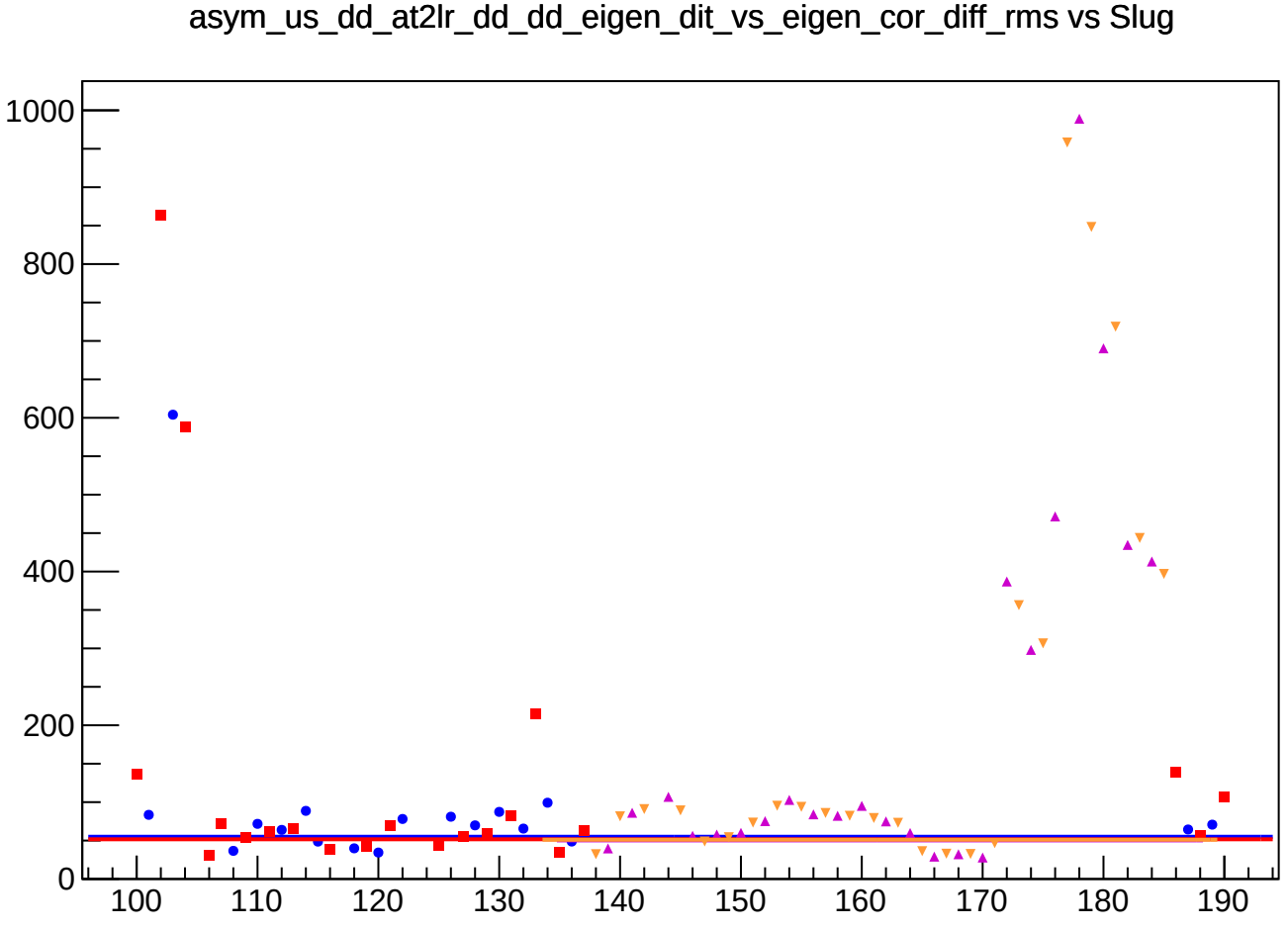
Right Out: -0.020+/-0.021 χ^2/NDF: 18.8/20

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: 89.5/85

- sign -0.007+/-0.012 χ^2/NDF: 35.4/43



Right In: 54.952+/-0.016 χ^2/NDF: 2273218.6/17

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

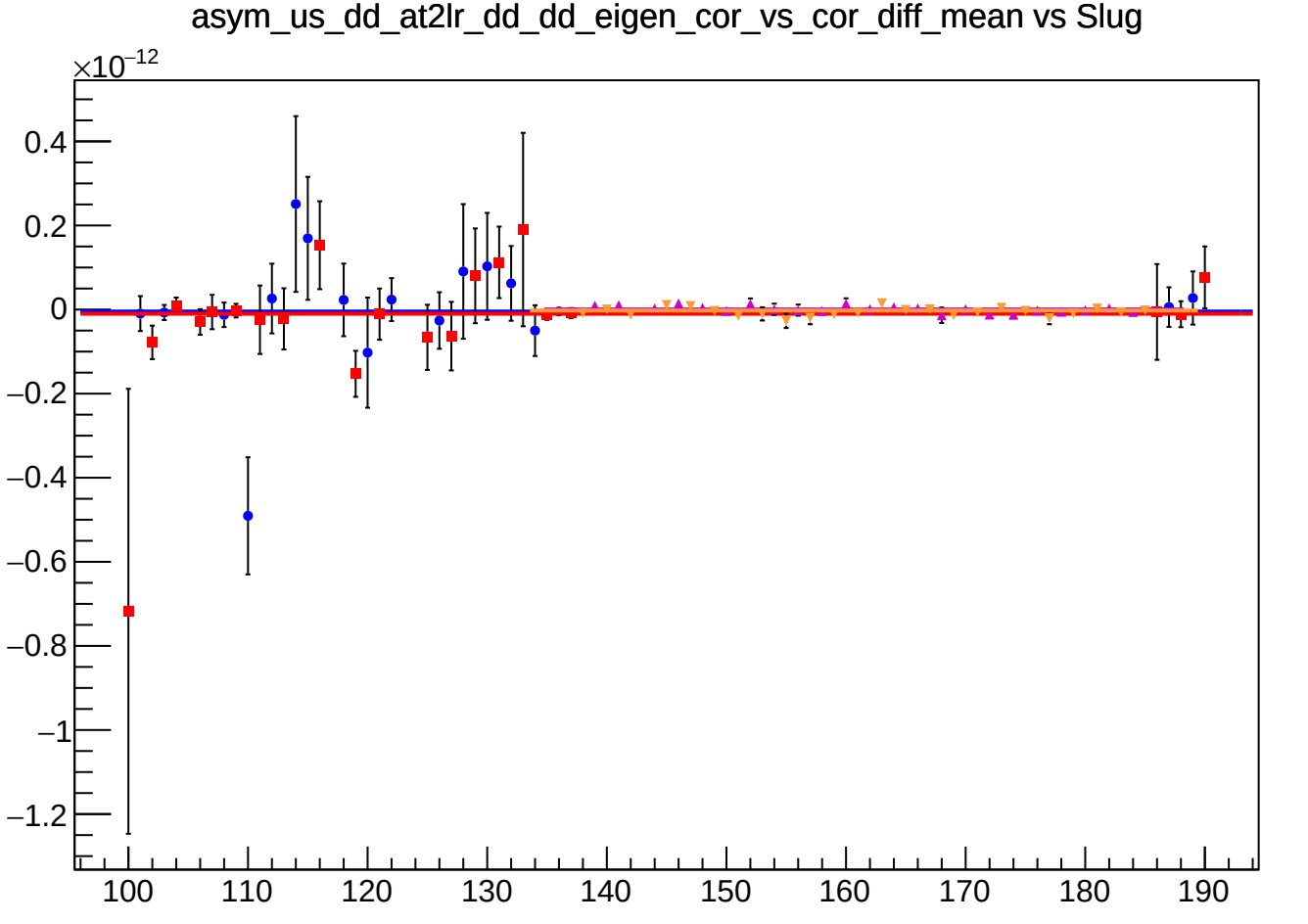
Right Out: 51.676+/-0.015 χ^2/NDF: 3527121.9/20

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

\+ sign 52.341+/-0.009 χ^2/NDF: 14049655.4/41

All: 51.519+/-0.006 χ^2/NDF: 29794731.2/85

\- sign 50.754+/-0.009 χ^2/NDF: 15728953.2/43



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

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/23

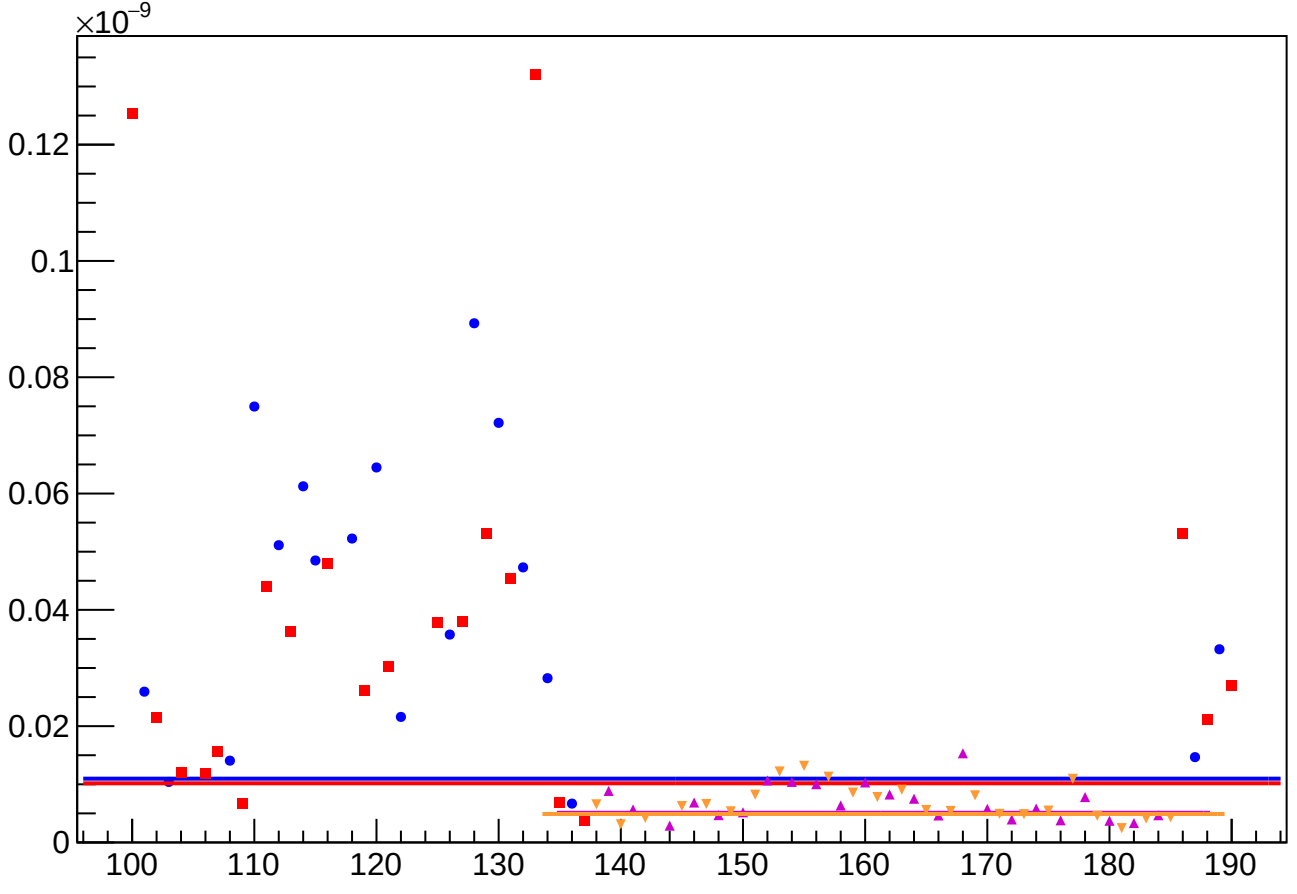
Right Out: -0.000+/-0.000 χ^2/NDF: 21.5/20

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: 84.4/85

- sign -0.000+/-0.000 χ^2/NDF: 42.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 4822478.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:4312108.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4697973.2/20

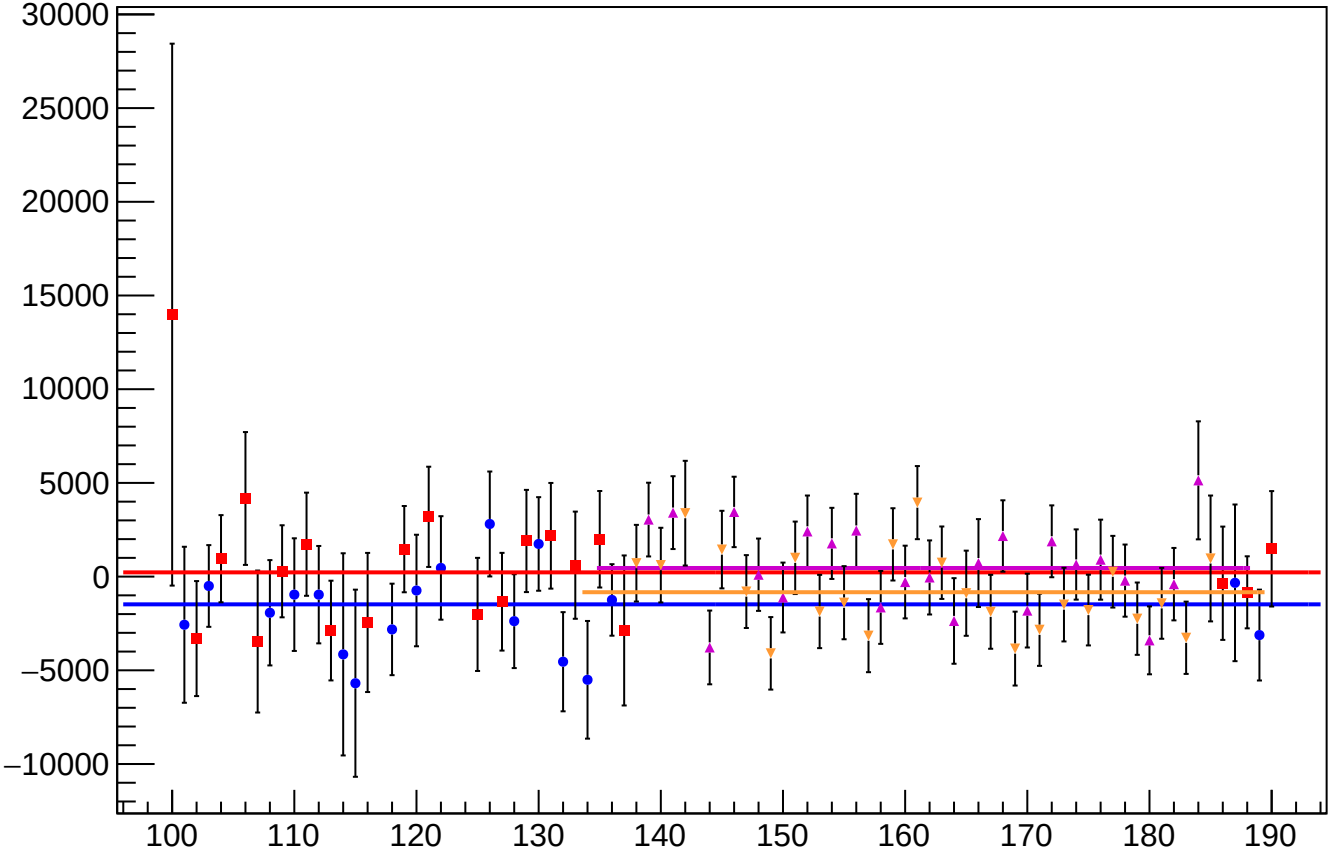
Left In: 0.000+/-0.000 χ^2/NDF:3777059.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 10685267.1/41

All: 0.000+/-0.000 χ^2/NDF: 20404071.5/85

- sign 0.000+/-0.000 χ^2/NDF: 9698696.0/43

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: 226.304+/-617.375 χ^2/NDF: 11.6/20

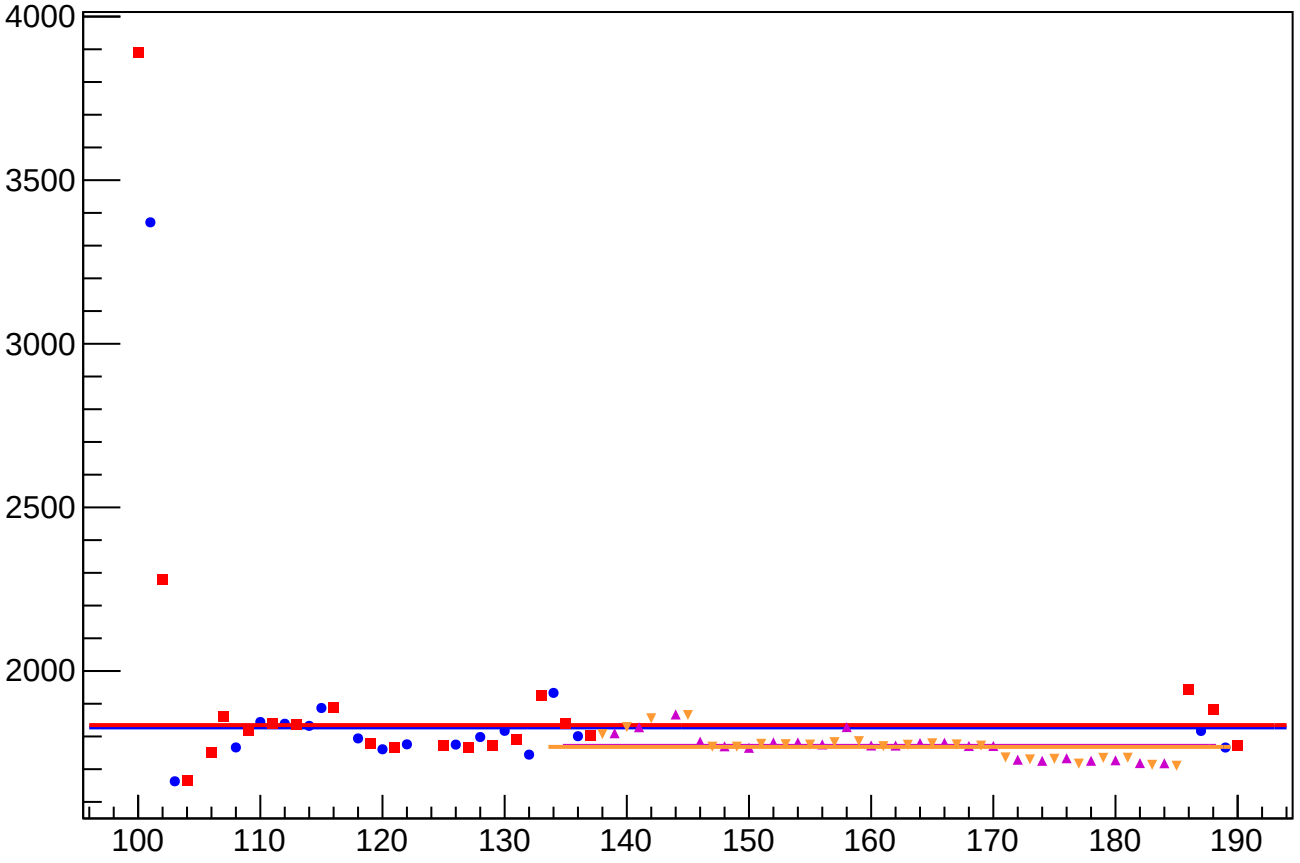
Left In: 459.594+/-413.637 χ^2/NDF:27.3/22

+ sign -1015.284+/-347.743 χ^2/NDF: 36.0/41

All: -305.657+/-244.427 χ^2/NDF: 83.2/85

- sign 387.317+/-343.638 χ^2/NDF: 38.9/43

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

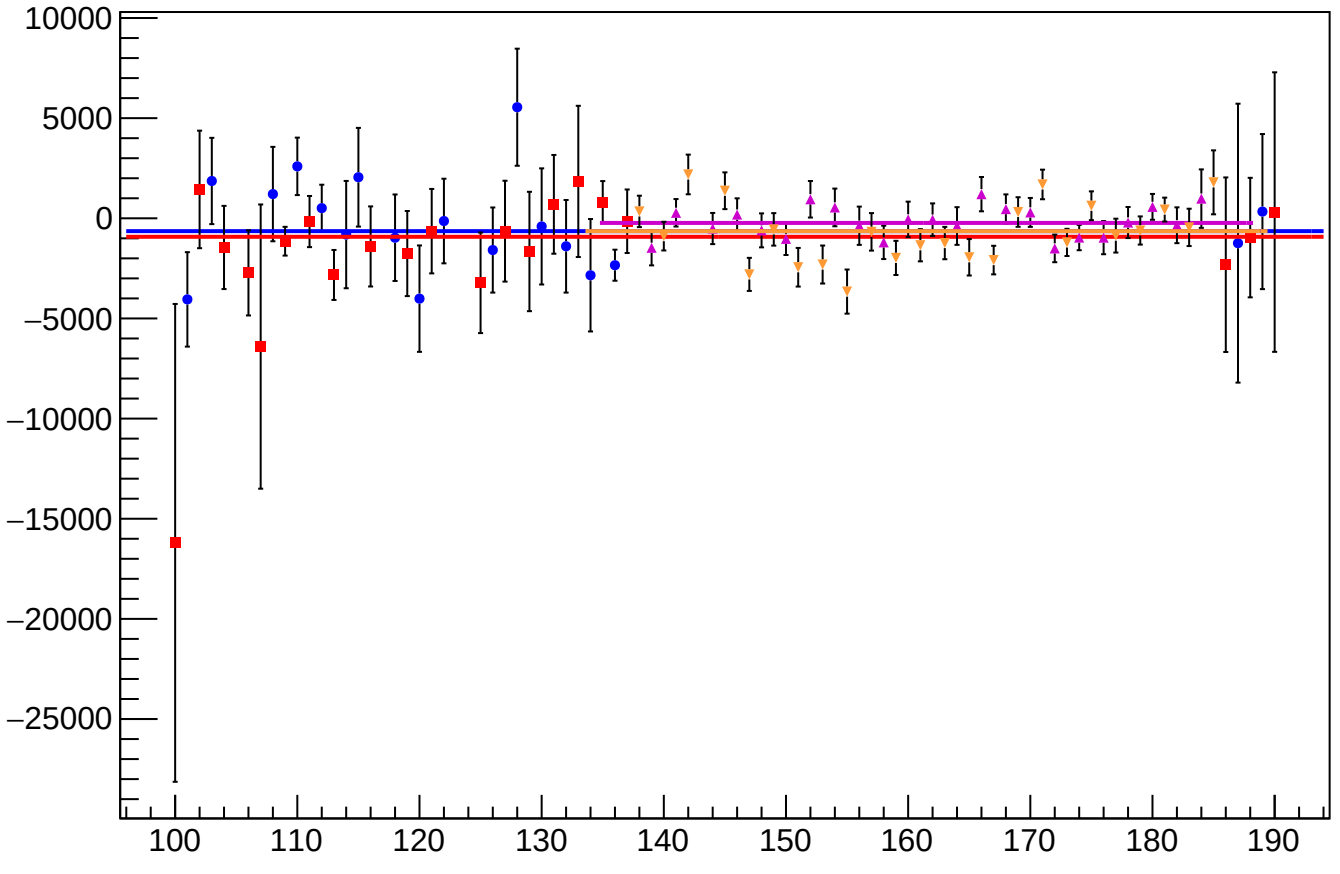
Right Out: 1834.727+/-0.437 χ^2/NDF: 107967.7/20

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1784.932+/-0.246 χ^2/NDF: 325099.2/41

All: 1787.948+/-0.173 χ^2/NDF: 464397.3/85

- sign 1790.894+/-0.243 χ^2/NDF: 139000.8/43



Right In: -641.618+/-438.407 χ^2/NDF: 23.3/17

Left Out: -641.029+/-166.449 χ^2/NDF:66.7/23

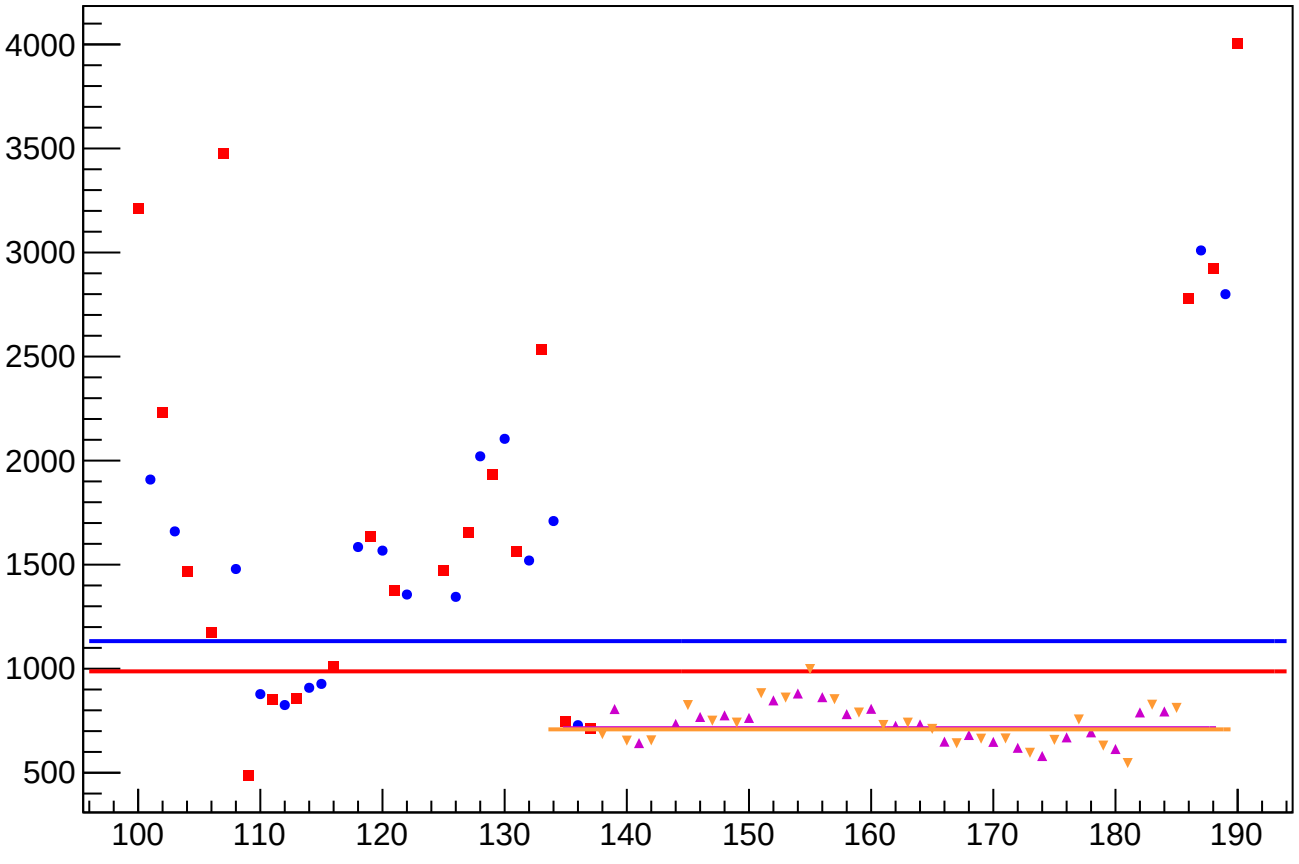
Right Out: -922.854+/-387.892 χ^2/NDF: 11.7/20

Left In: -230.653+/-168.319 χ^2/NDF:19.9/22

+ sign -641.103+/-155.611 χ^2/NDF: 90.0/41

All: -489.554+/-109.606 χ^2/NDF: 126.2/85

- sign -340.339+/-154.408 χ^2/NDF: 34.3/43



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: 987.201+/-0.274 χ^2/NDF: 4650879.3/20

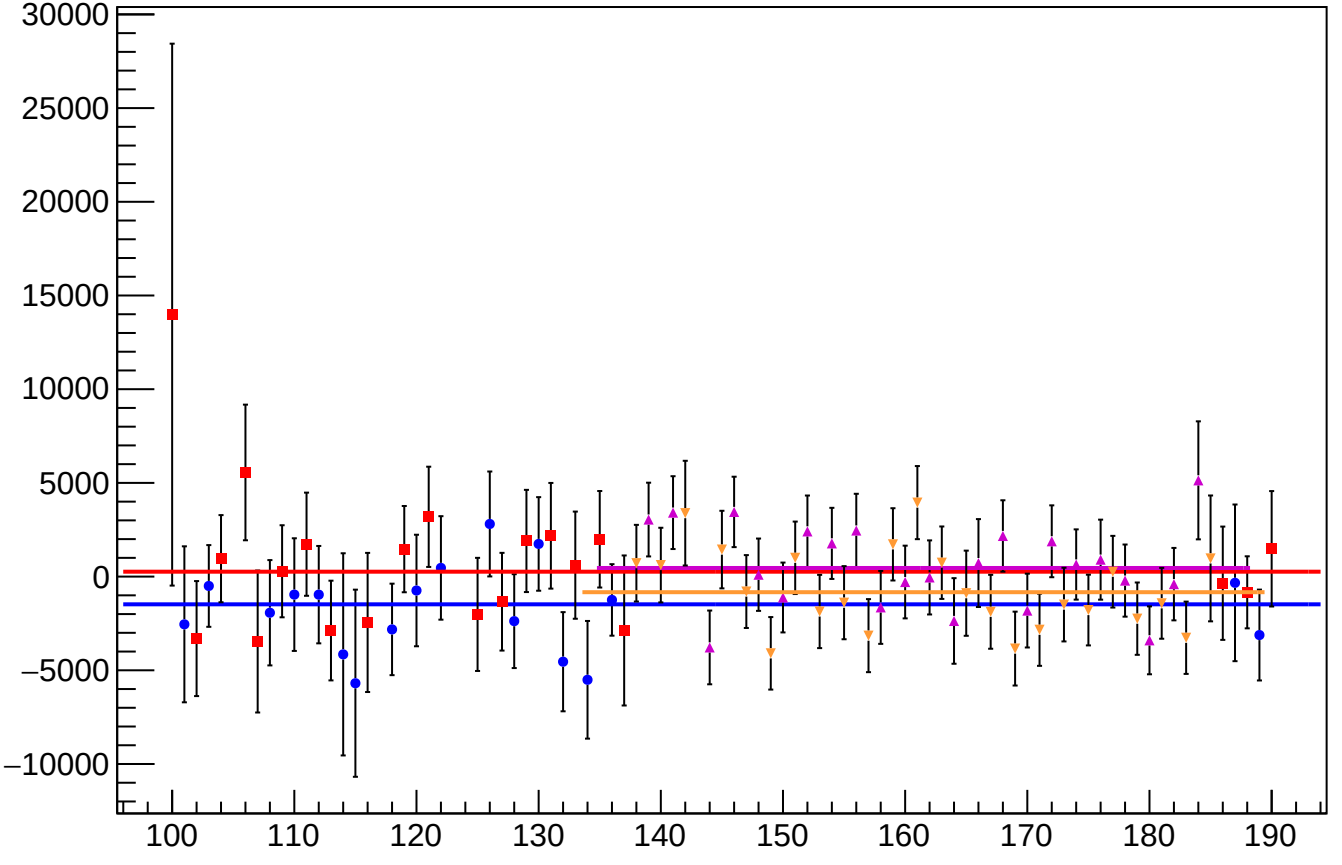
Left In: 714.162+/-0.119 χ^2/NDF:497246.5/22

+ sign 761.921+/-0.110 χ^2/NDF: 4738912.2/41

All: 759.657+/-0.078 χ^2/NDF: 10721813.7/85

- sign 757.428+/-0.109 χ^2/NDF: 5982061.2/43

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: 261.768+/-617.757 χ^2/NDF: 12.5/20

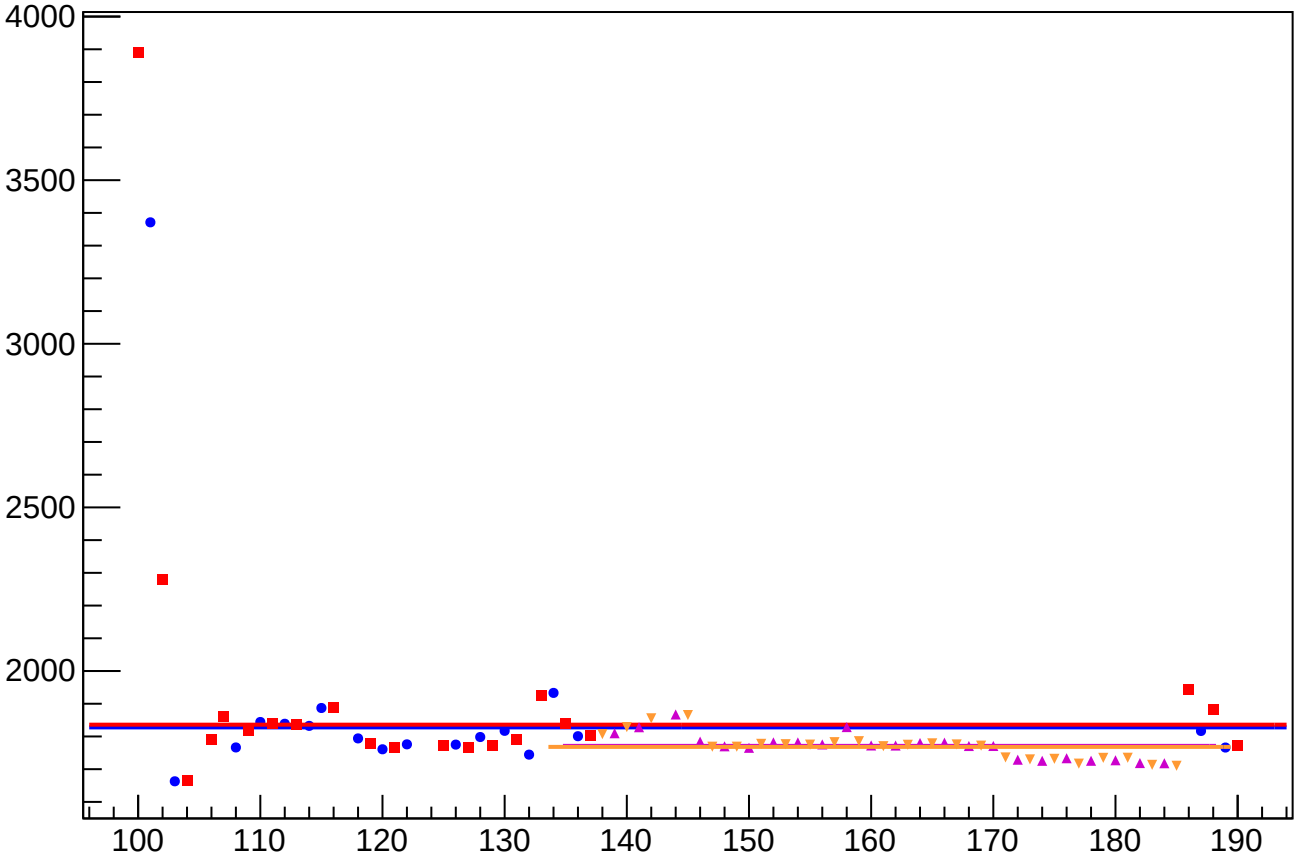
Left In: 459.554+/-413.637 χ^2/NDF:27.3/22

+ sign -1015.043+/-347.743 χ^2/NDF: 36.0/41

All: -300.102+/-244.451 χ^2/NDF: 84.2/85

- sign 398.329+/-343.704 χ^2/NDF: 39.8/43

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

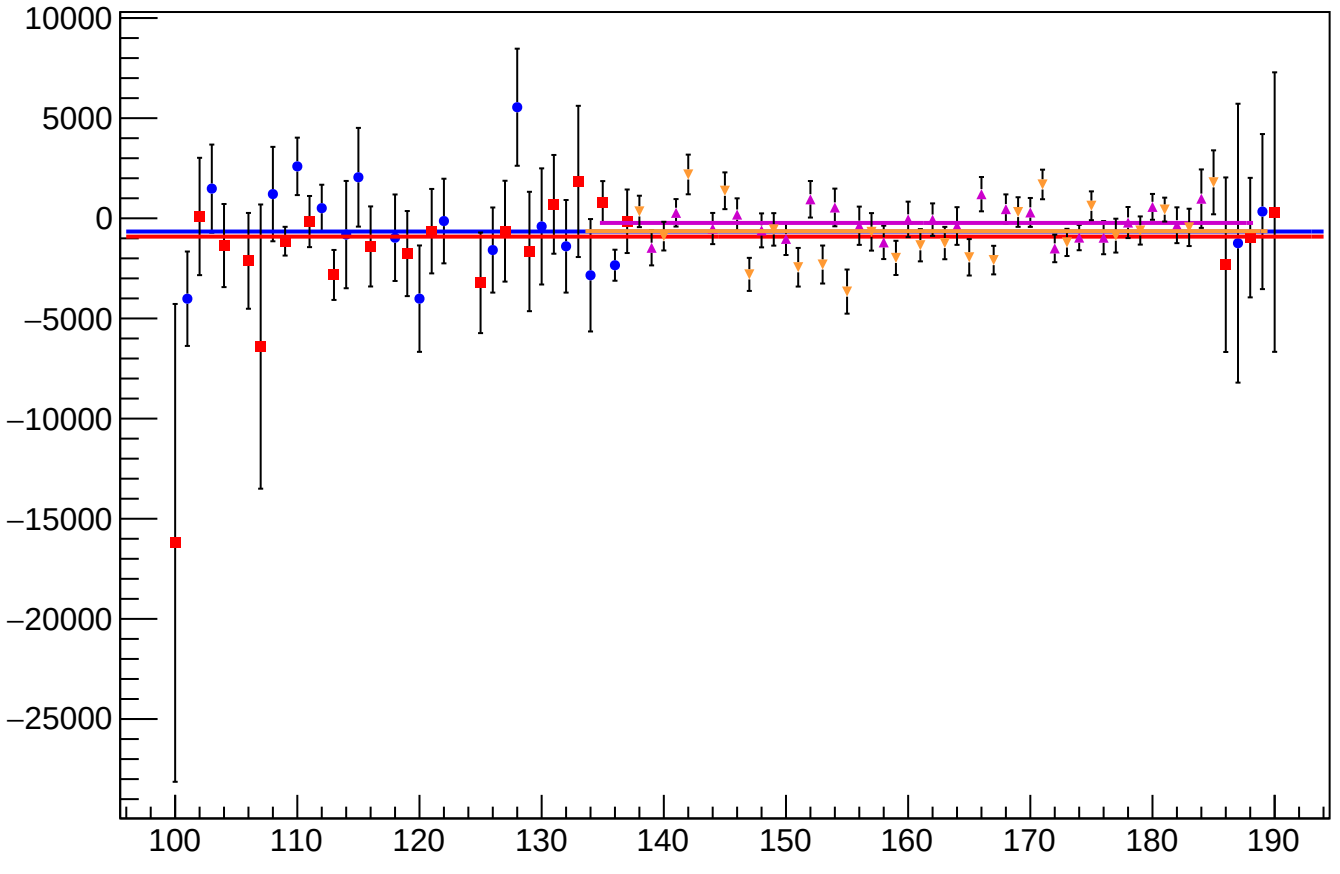
Right Out: 1836.022+/-0.437 χ^2/NDF: 107118.0/20

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1784.932+/-0.246 χ^2/NDF: 325101.0/41

All: 1788.142+/-0.173 χ^2/NDF: 464178.0/85

- sign 1791.278+/-0.243 χ^2/NDF: 138740.1/43



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: -914.327+/-389.227 χ^2/NDF: 10.6/20

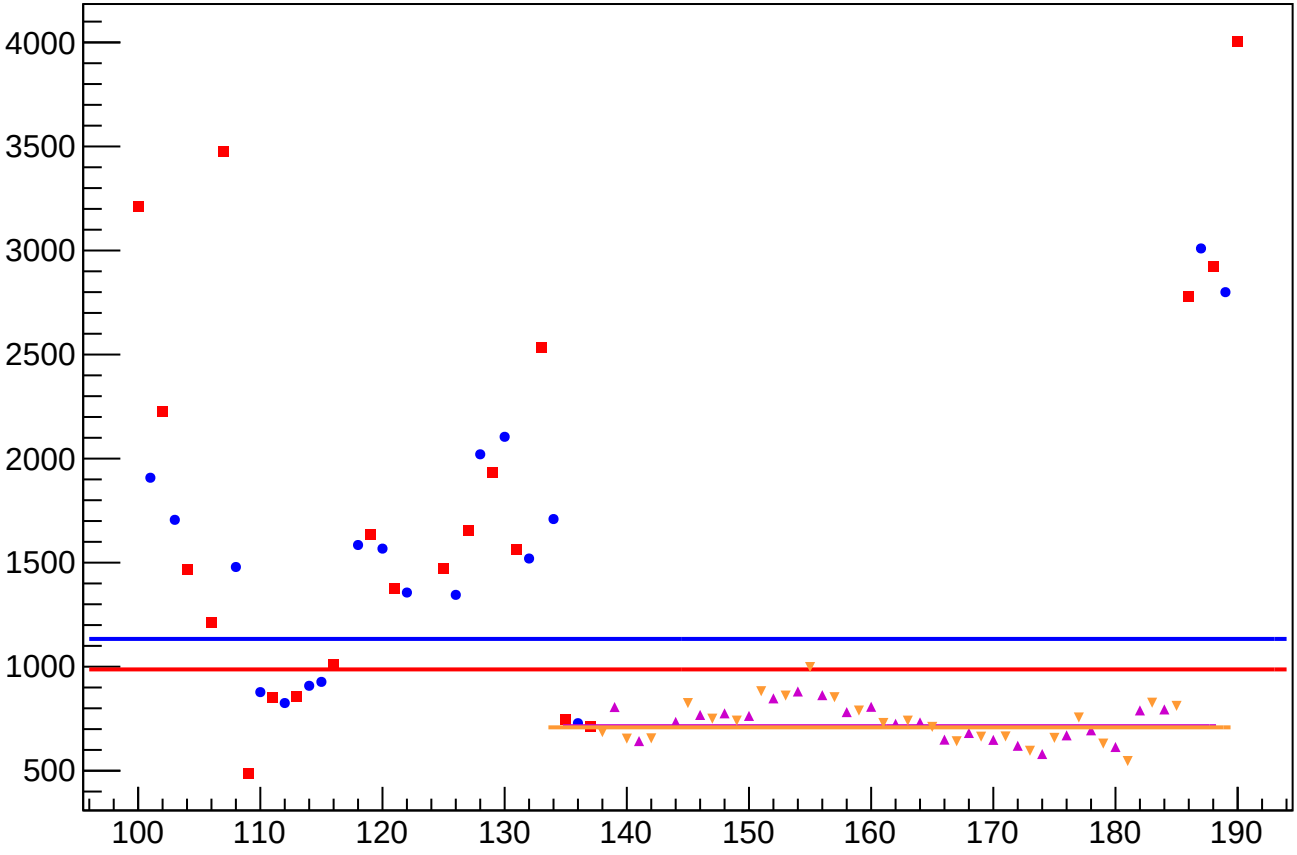
Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

\+ sign -643.379+/-155.628 χ^2/NDF: 89.5/41

All: -489.721+/-109.642 χ^2/NDF: 124.6/85

\- sign -338.297+/-154.493 χ^2/NDF: 33.2/43

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: 986.893+/-0.275 χ^2/NDF: 4651952.9/20

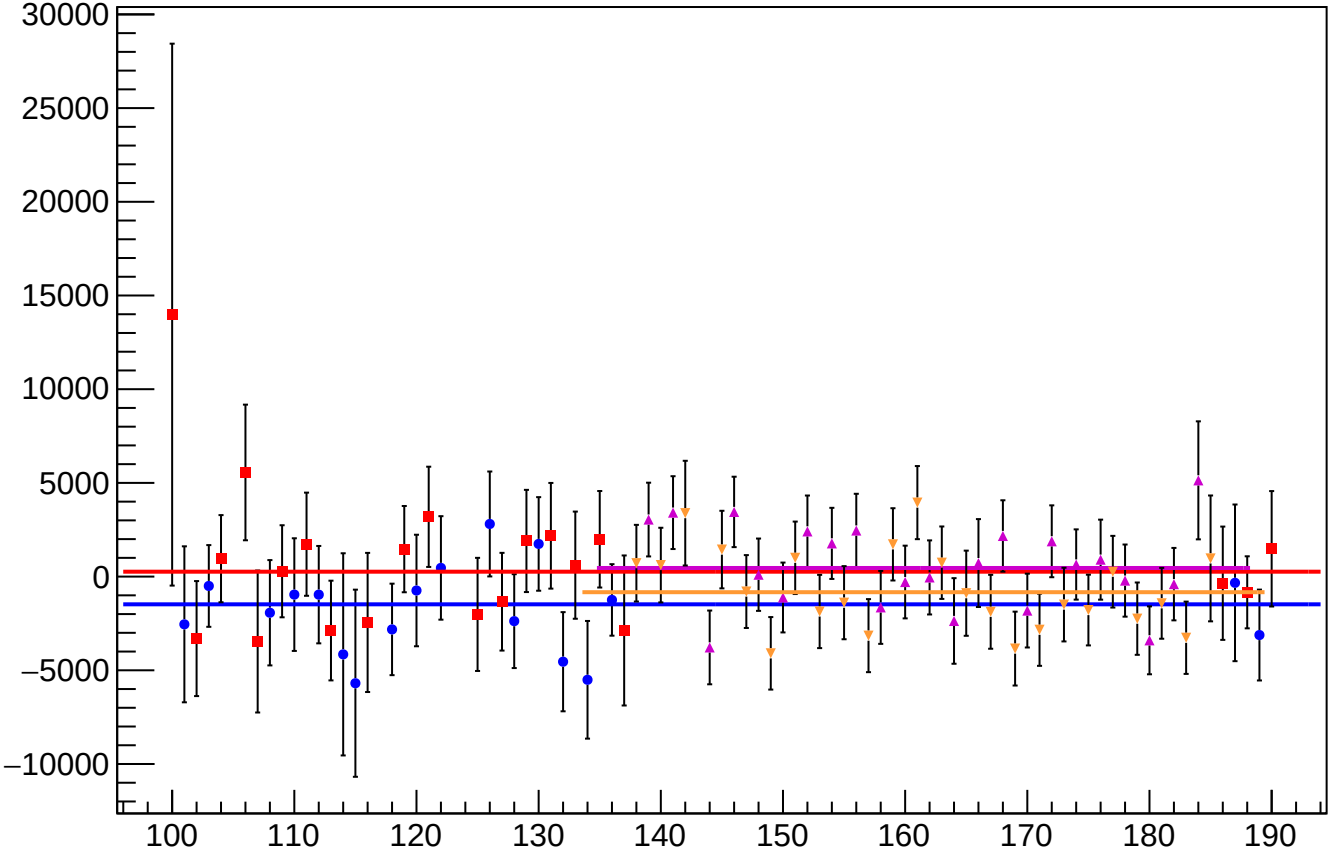
Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

+ sign 761.970+/-0.110 χ^2/NDF: 4759569.4/41

All: 759.535+/-0.078 χ^2/NDF: 10736961.4/85

- sign 757.135+/-0.109 χ^2/NDF: 5976419.8/43

eigen_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: 261.768+/-617.757 χ^2/NDF: 12.5/20

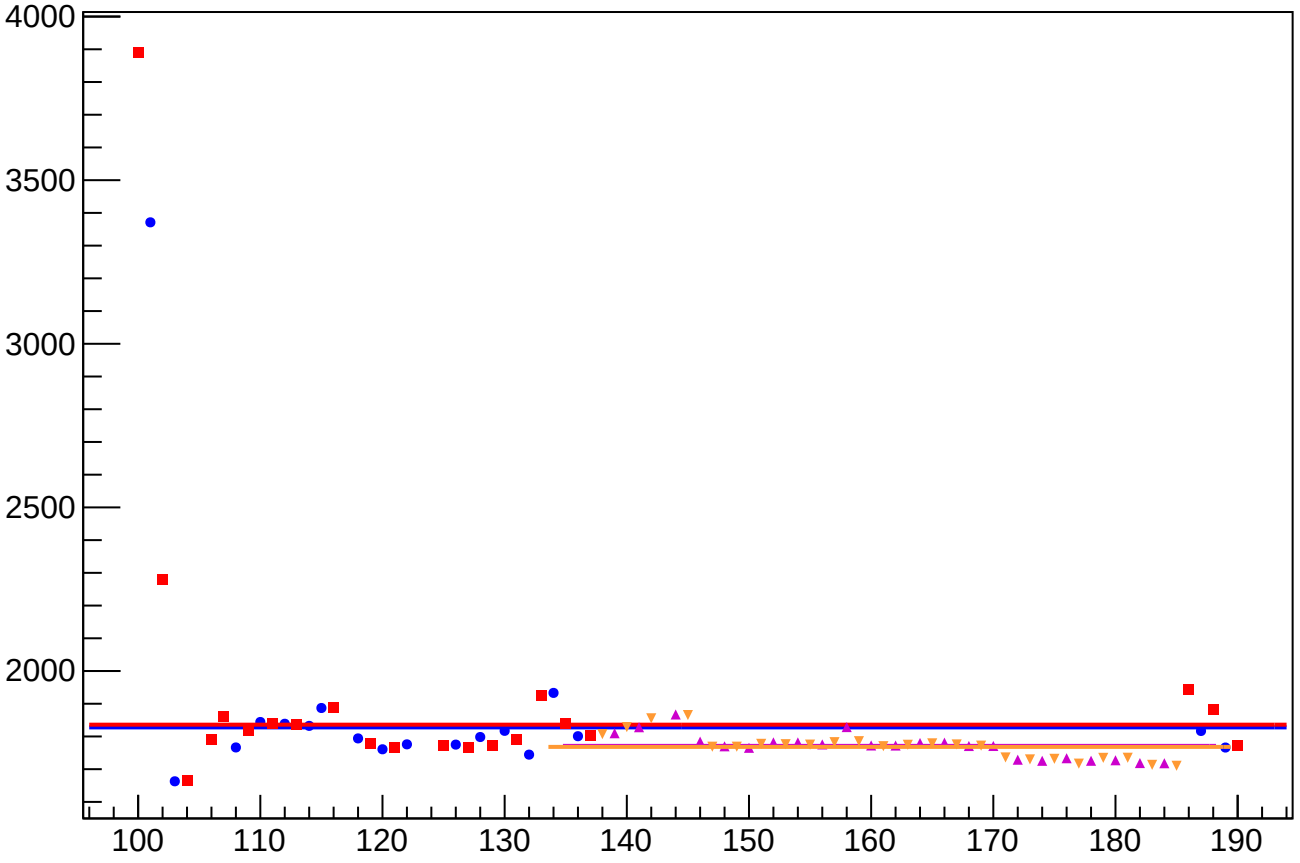
Left In: 459.554+/-413.637 χ^2/NDF:27.3/22

+ sign -1015.043+/-347.743 χ^2/NDF: 36.0/41

All: -300.102+/-244.451 χ^2/NDF: 84.2/85

- sign 398.329+/-343.704 χ^2/NDF: 39.8/43

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

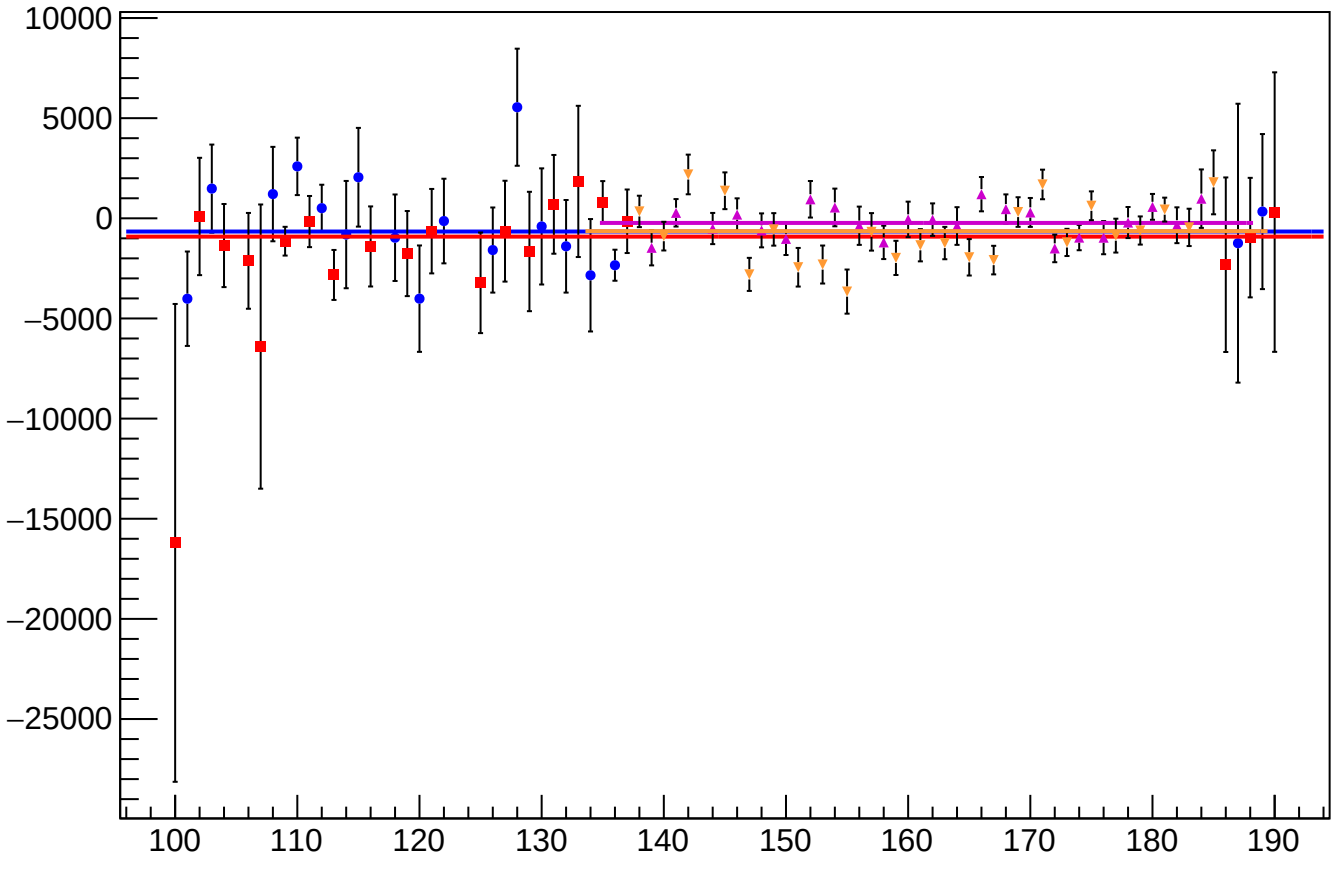
Right Out: 1836.022+/-0.437 χ^2/NDF: 107118.0/20

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1784.932+/-0.246 χ^2/NDF: 325101.0/41

All: 1788.142+/-0.173 χ^2/NDF: 464178.0/85

- sign 1791.278+/-0.243 χ^2/NDF: 138740.1/43



Right In: -659.877+/-438.768 χ^2/NDF: 22.8/17

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

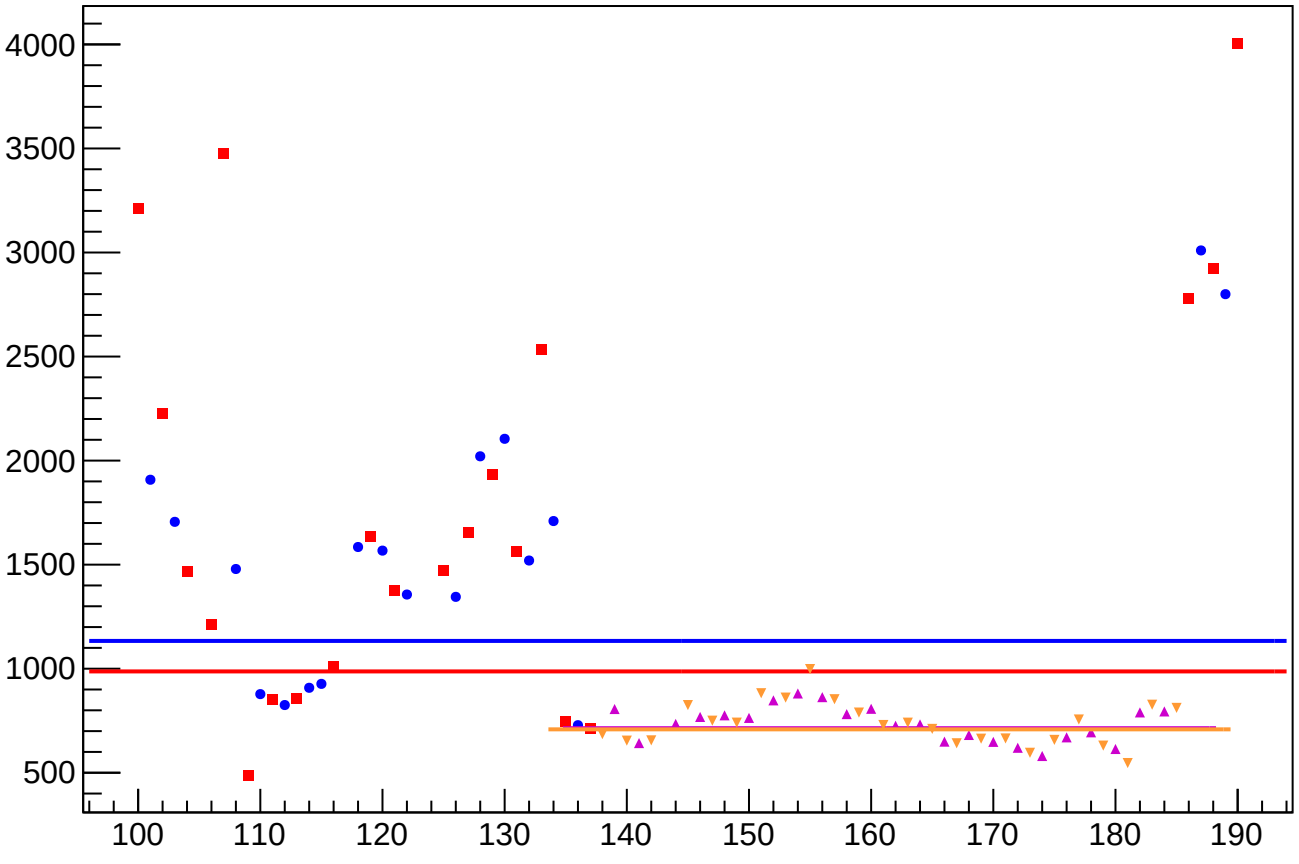
Right Out: -914.327+/-389.227 χ^2/NDF: 10.6/20

Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

+ sign -643.379+/-155.628 χ^2/NDF: 89.5/41

All: -489.721+/-109.642 χ^2/NDF: 124.6/85

- sign -338.297+/-154.493 χ^2/NDF: 33.2/43



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: 986.893+/-0.275 χ^2/NDF: 4651952.9/20

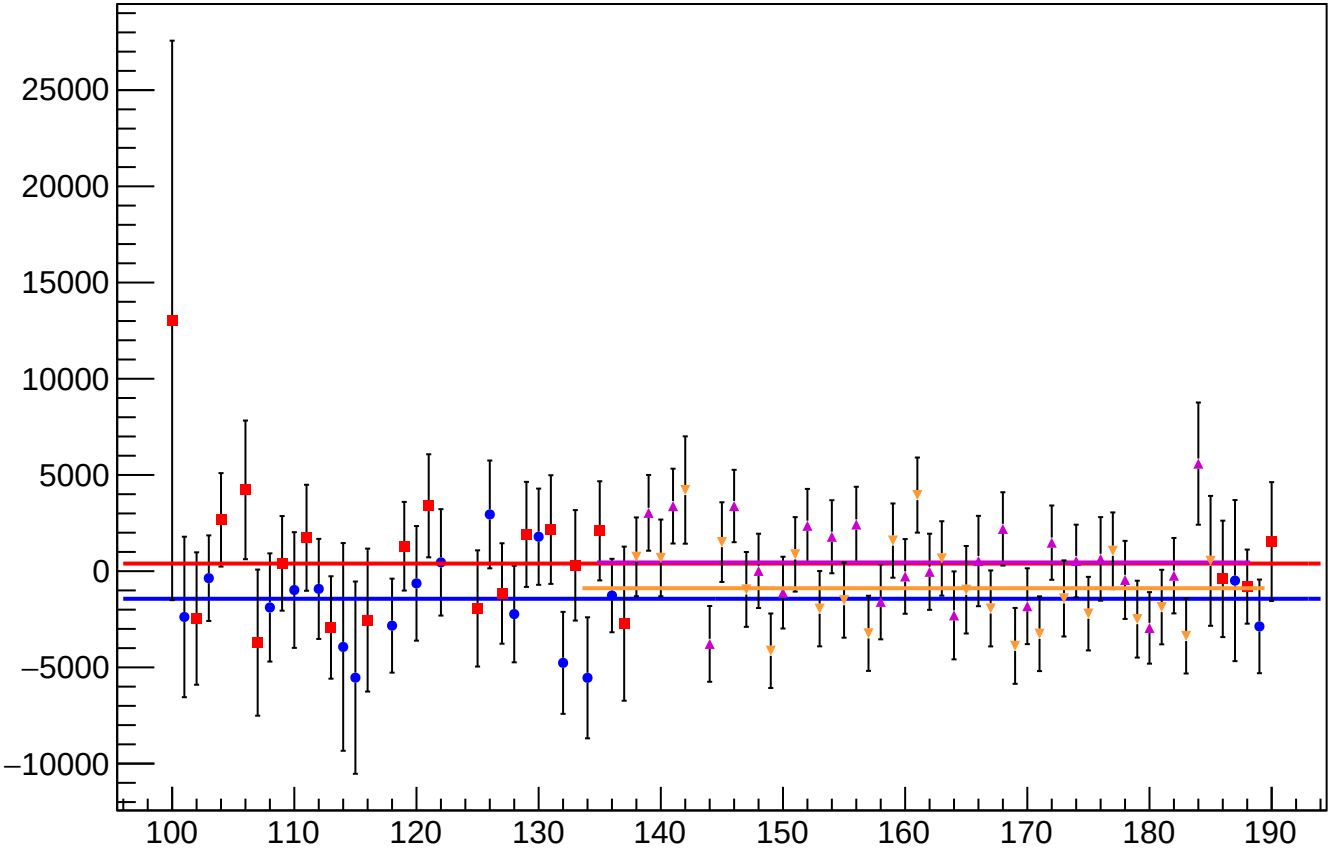
Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

+ sign 761.970+/-0.110 χ^2/NDF: 4759569.4/41

All: 759.535+/-0.078 χ^2/NDF: 10736961.4/85

- sign 757.135+/-0.109 χ^2/NDF: 5976419.8/43

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: 395.485+/-622.738 χ^2/NDF: 11.7/20

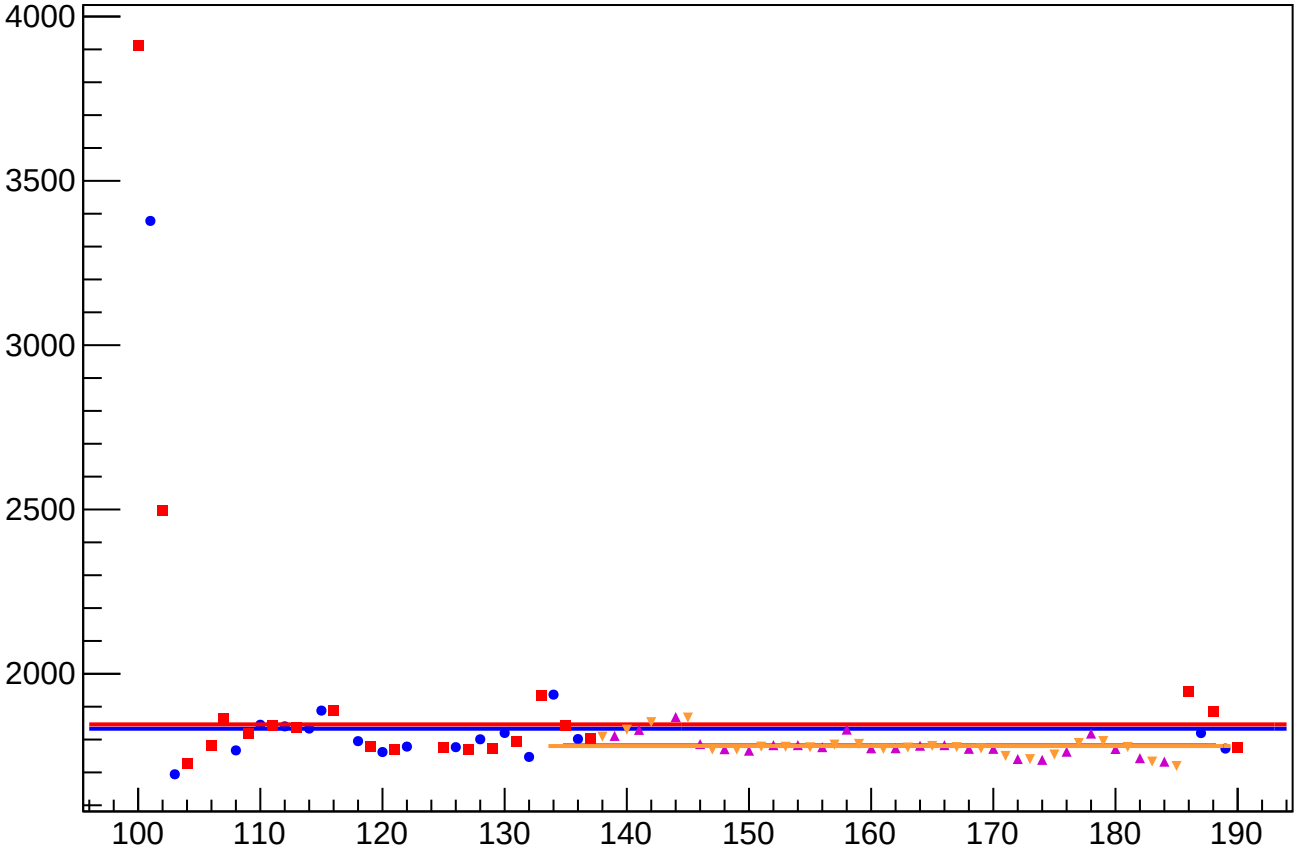
Left In: 453.237+/-416.200 χ^2/NDF:25.8/22

\+ sign -1041.788+/-349.707 χ^2/NDF: 38.7/41

All: -295.389+/-245.971 χ^2/NDF: 85.2/85

\- sign 435.406+/-346.032 χ^2/NDF: 37.6/43

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

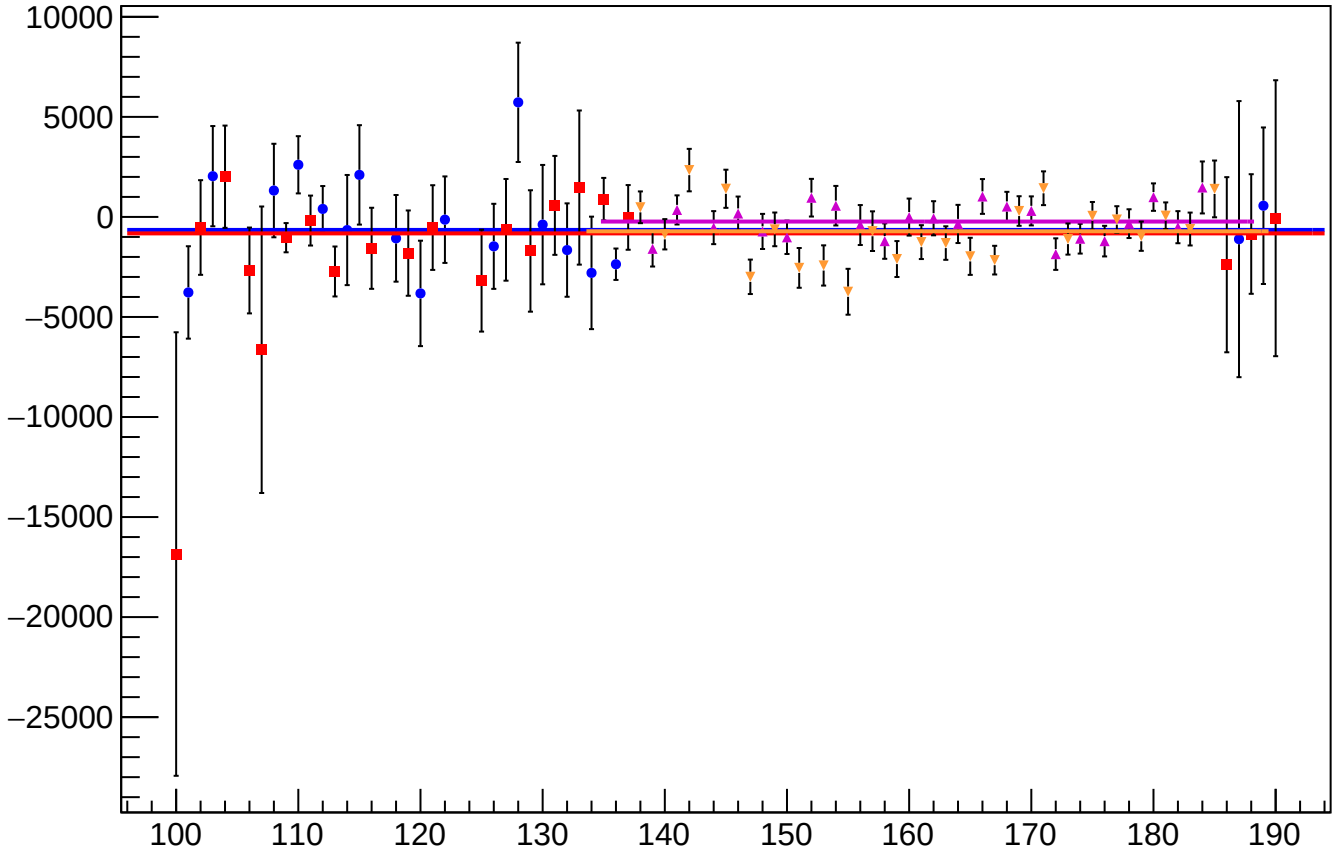
Right Out: 1846.175+/-0.440 χ^2/NDF: 132405.2/20

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1795.179+/-0.247 χ^2/NDF: 312965.5/41

All: 1798.636+/-0.174 χ^2/NDF: 471535.5/85

- sign 1802.021+/-0.245 χ^2/NDF: 158183.2/43



Right In: -649.696+/-442.124 χ^2/NDF: 22.9/17

Left Out: -716.600+/-170.602 χ^2/NDF:59.4/23

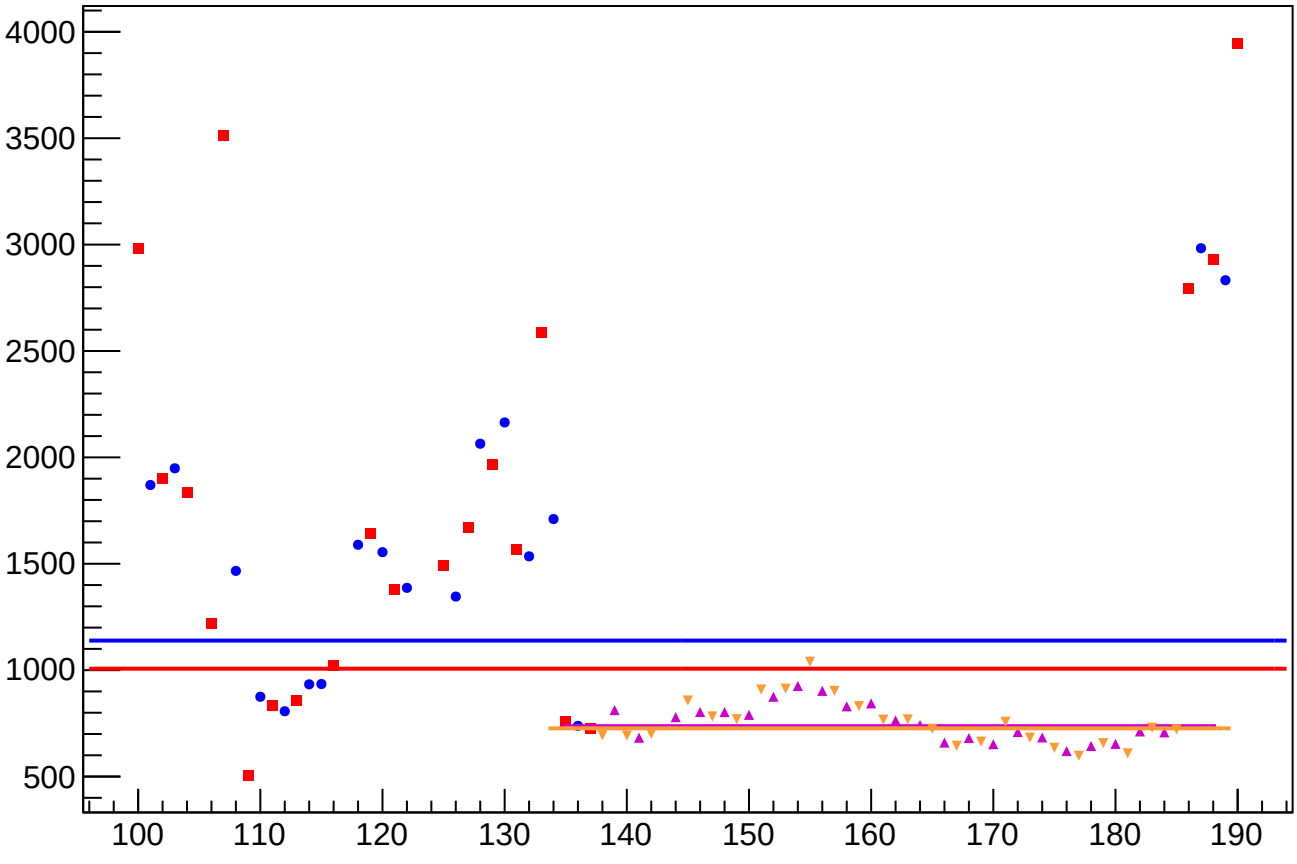
Right Out: -823.105+/-391.509 χ^2/NDF: 12.4/20

Left In: -231.320+/-173.436 χ^2/NDF:24.1/22

+ sign -707.929+/-159.164 χ^2/NDF: 82.2/41

All: -517.459+/-112.336 χ^2/NDF: 123.5/85

- sign -328.402+/-158.573 χ^2/NDF: 38.4/43



Right In: 1139.070+/-0.313 χ^2/NDF: 2499985.5/17

Left Out: 726.604+/-0.121 χ^2/NDF:684784.1/23

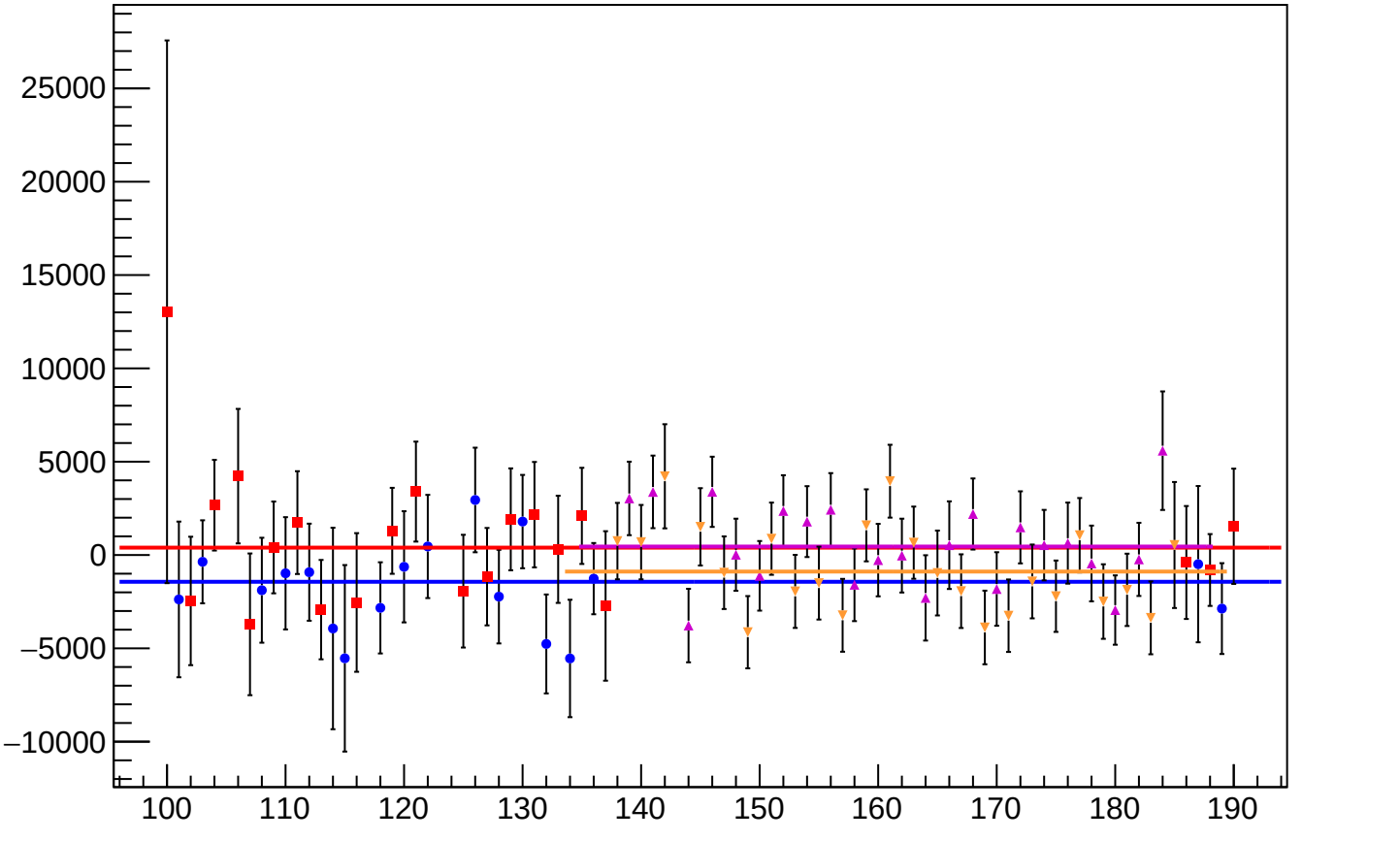
Right Out: 1006.823+/-0.277 χ^2/NDF: 4619234.7/20

Left In: 736.709+/-0.123 χ^2/NDF:465041.6/22

+ sign 780.060+/-0.113 χ^2/NDF: 4699856.3/41

All: 780.542+/-0.079 χ^2/NDF: 10580000.5/85

- sign 781.021+/-0.112 χ^2/NDF: 5880107.6/43



Right In: -1434.038+/-656.440 χ^2/NDF: 10.0/17

Left Out: -886.352+/-413.227 χ^2/NDF:28.1/23

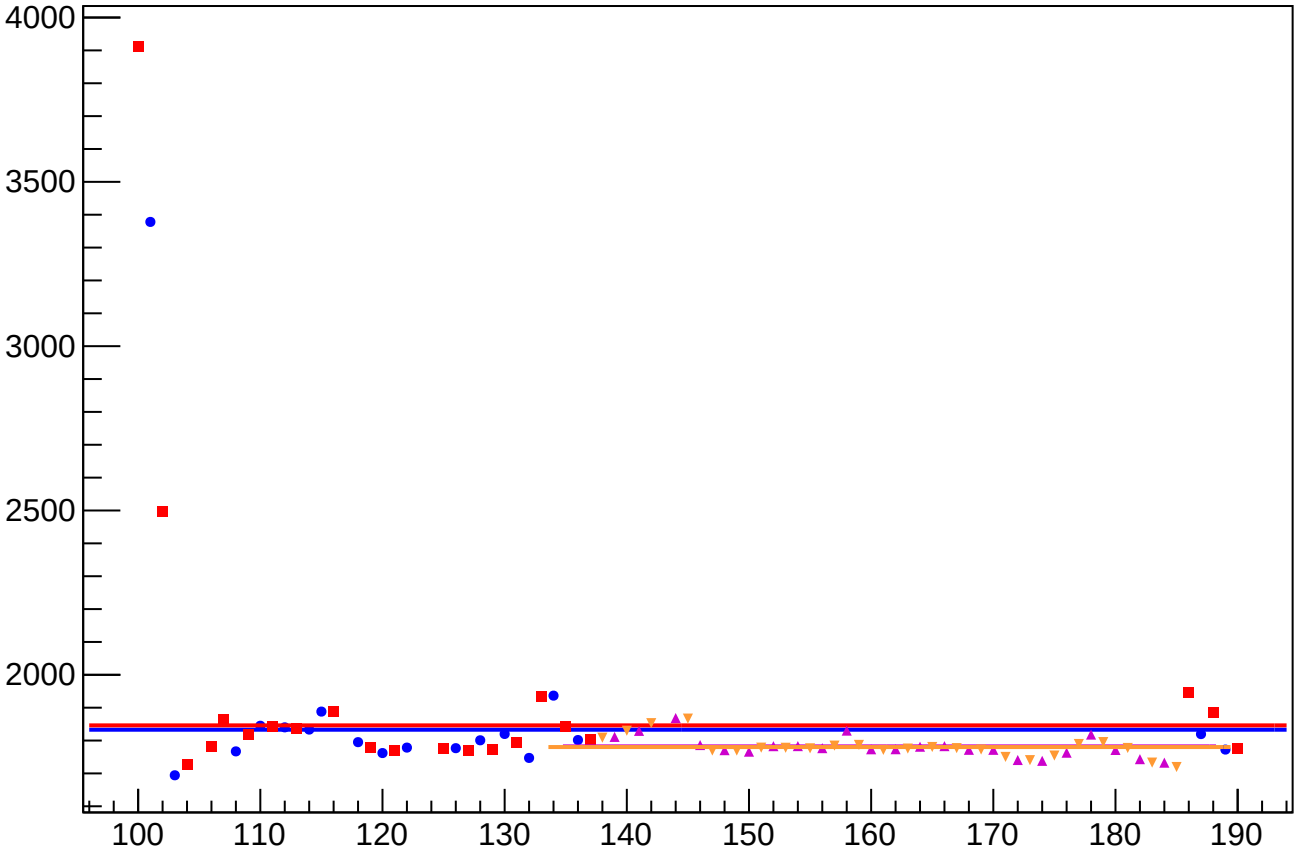
Right Out: 395.487+/-622.738 χ^2/NDF: 11.7/20

Left In: 453.236+/-416.200 χ^2/NDF:25.8/22

\+ sign -1041.788+/-349.707 χ^2/NDF: 38.7/41

All: -295.389+/-245.971 χ^2/NDF: 85.2/85

\- sign 435.406+/-346.032 χ^2/NDF: 37.6/43



Right In: 1832.929+/-0.464 χ^2/NDF: 293350.2/17

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

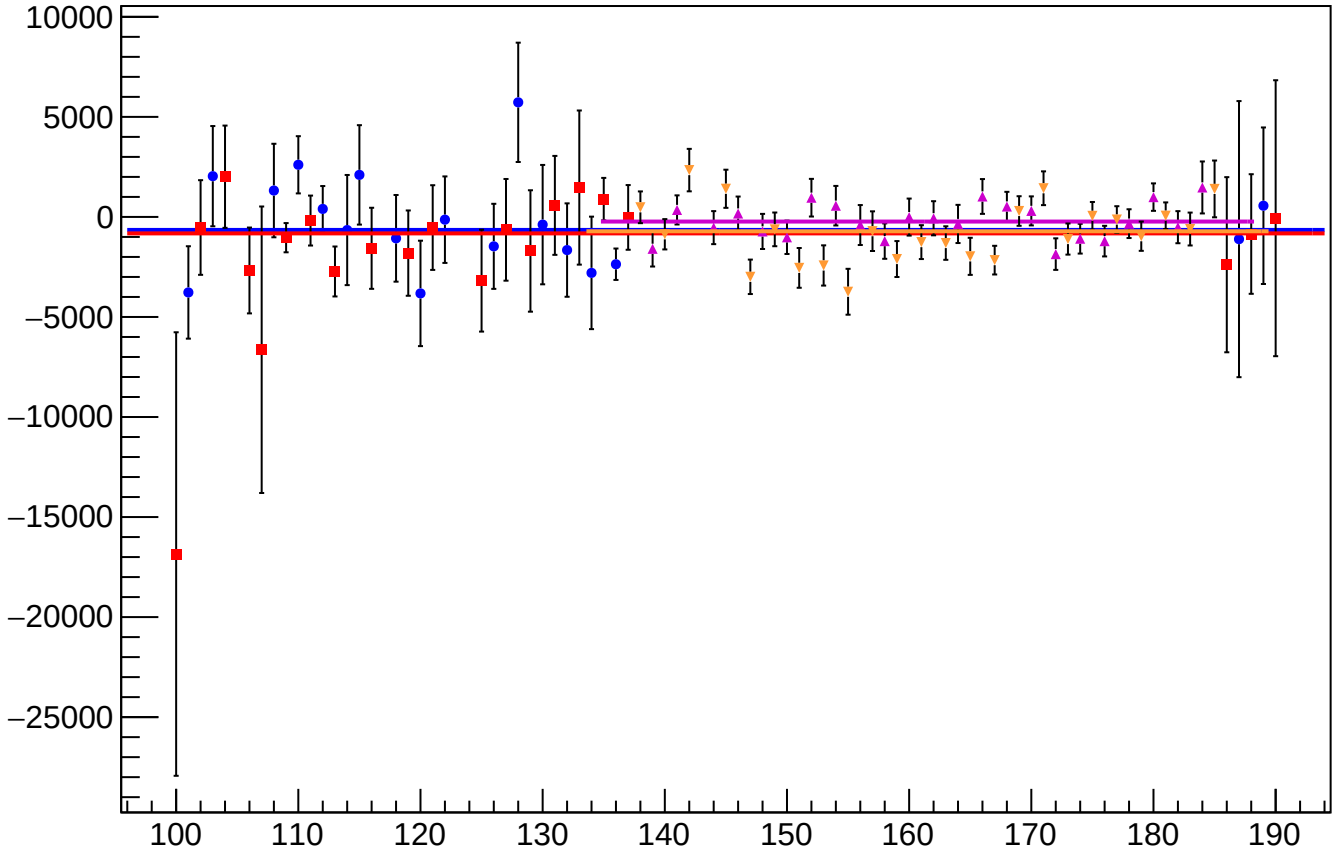
Right Out: 1846.175+/-0.440 χ^2/NDF: 132405.2/20

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1795.179+/-0.247 χ^2/NDF: 312965.5/41

All: 1798.636+/-0.174 χ^2/NDF: 471535.7/85

- sign 1802.021+/-0.245 χ^2/NDF: 158183.4/43



Right In: -649.683+/-442.124 χ^2/NDF: 22.9/17

Left Out: -716.601+/-170.602 χ^2/NDF:59.4/23

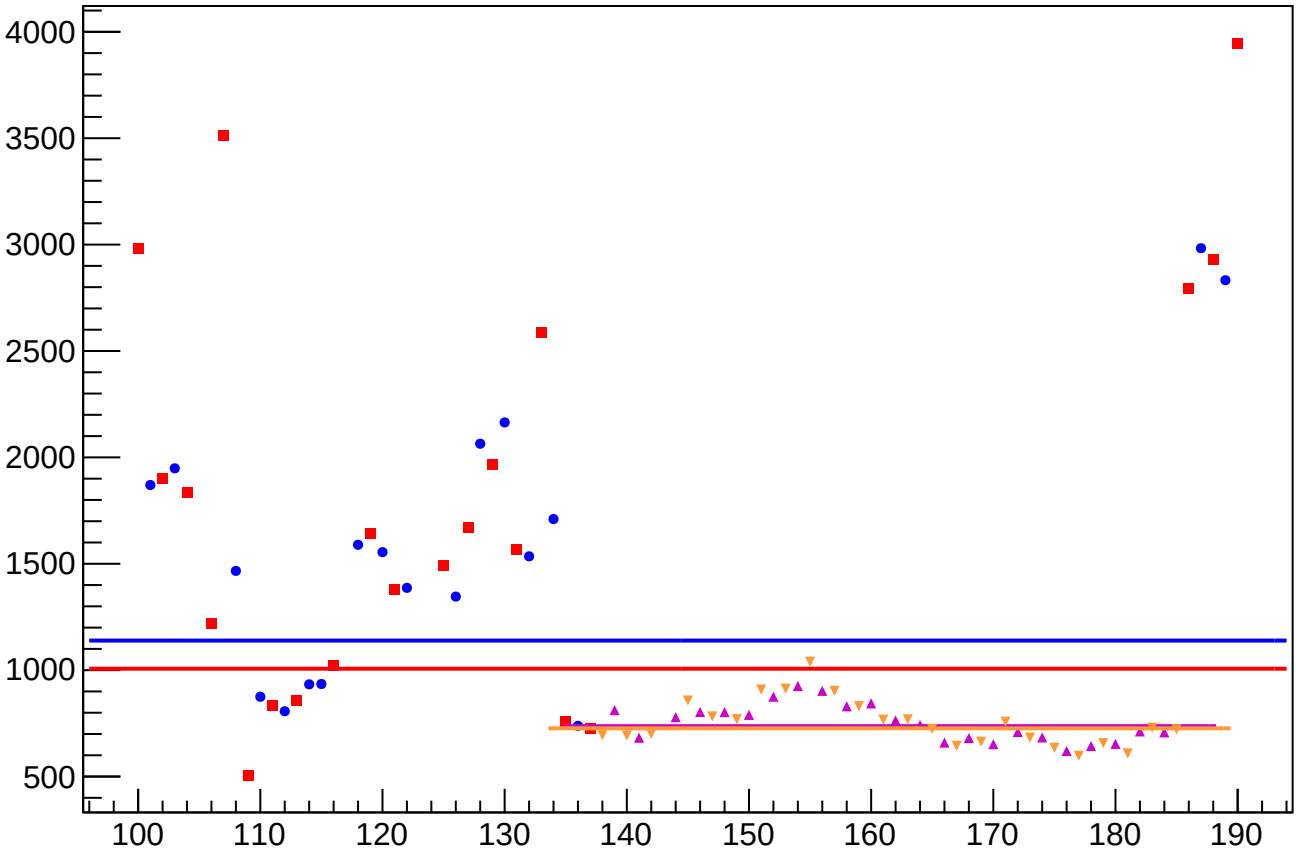
Right Out: -823.111+/-391.509 χ^2/NDF: 12.4/20

Left In: -231.318+/-173.435 χ^2/NDF:24.1/22

+ sign -707.928+/-159.164 χ^2/NDF: 82.2/41

All: -517.458+/-112.336 χ^2/NDF: 123.5/85

- sign -328.401+/-158.573 χ^2/NDF: 38.4/43



Right In: 1139.073+/-0.313 χ^2/NDF: 2499944.9/17

Left Out: 726.605+/-0.121 χ^2/NDF:684780.2/23

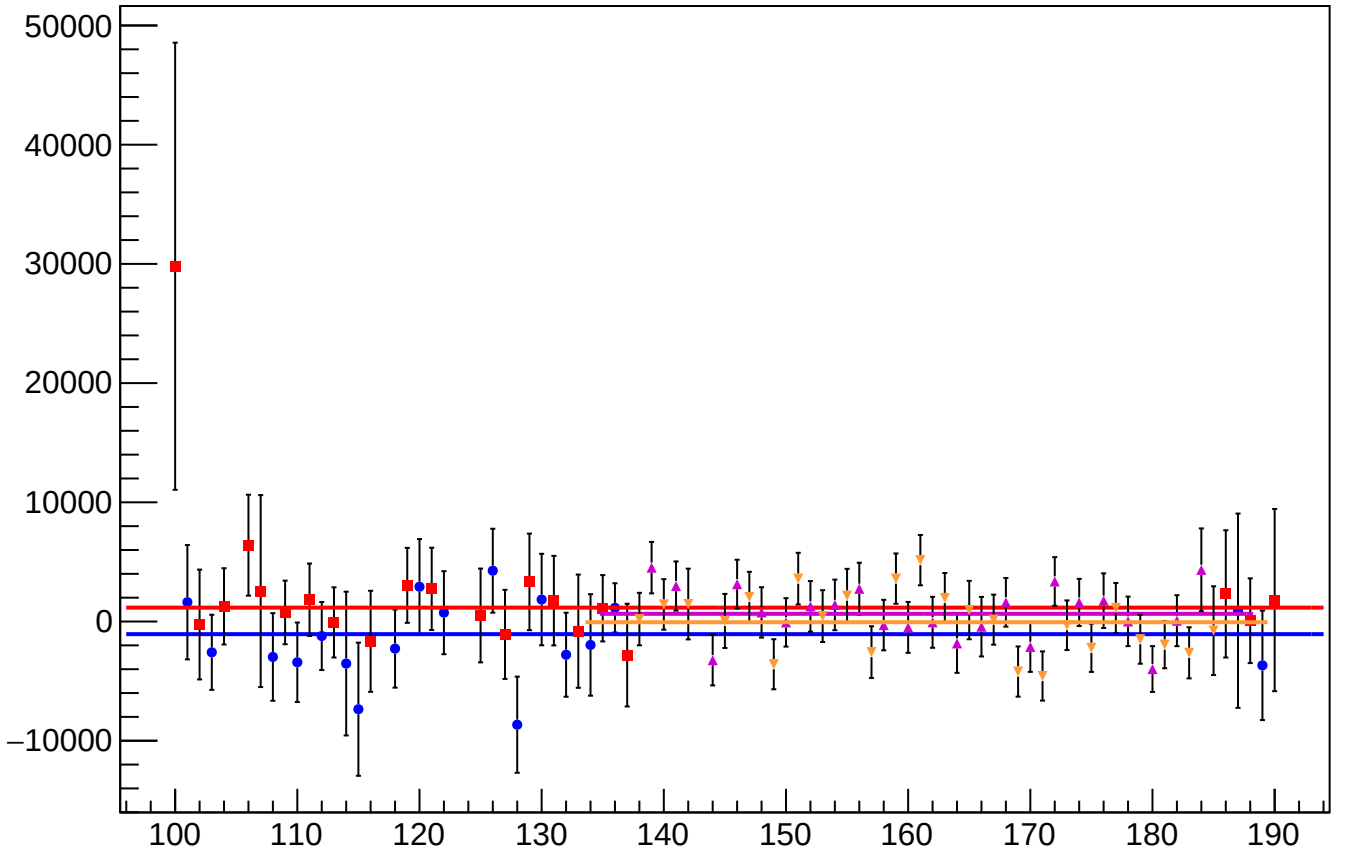
Right Out: 1006.826+/-0.277 χ^2/NDF: 4619205.1/20

Left In: 736.709+/-0.123 χ^2/NDF:465053.4/22

+ sign 780.060+/-0.113 χ^2/NDF: 4699828.5/41

All: 780.542+/-0.079 χ^2/NDF: 10579971.3/85

- sign 781.021+/-0.112 χ^2/NDF: 5880106.1/43



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: 1165.188+/-830.092 χ^2/NDF: 7.1/20

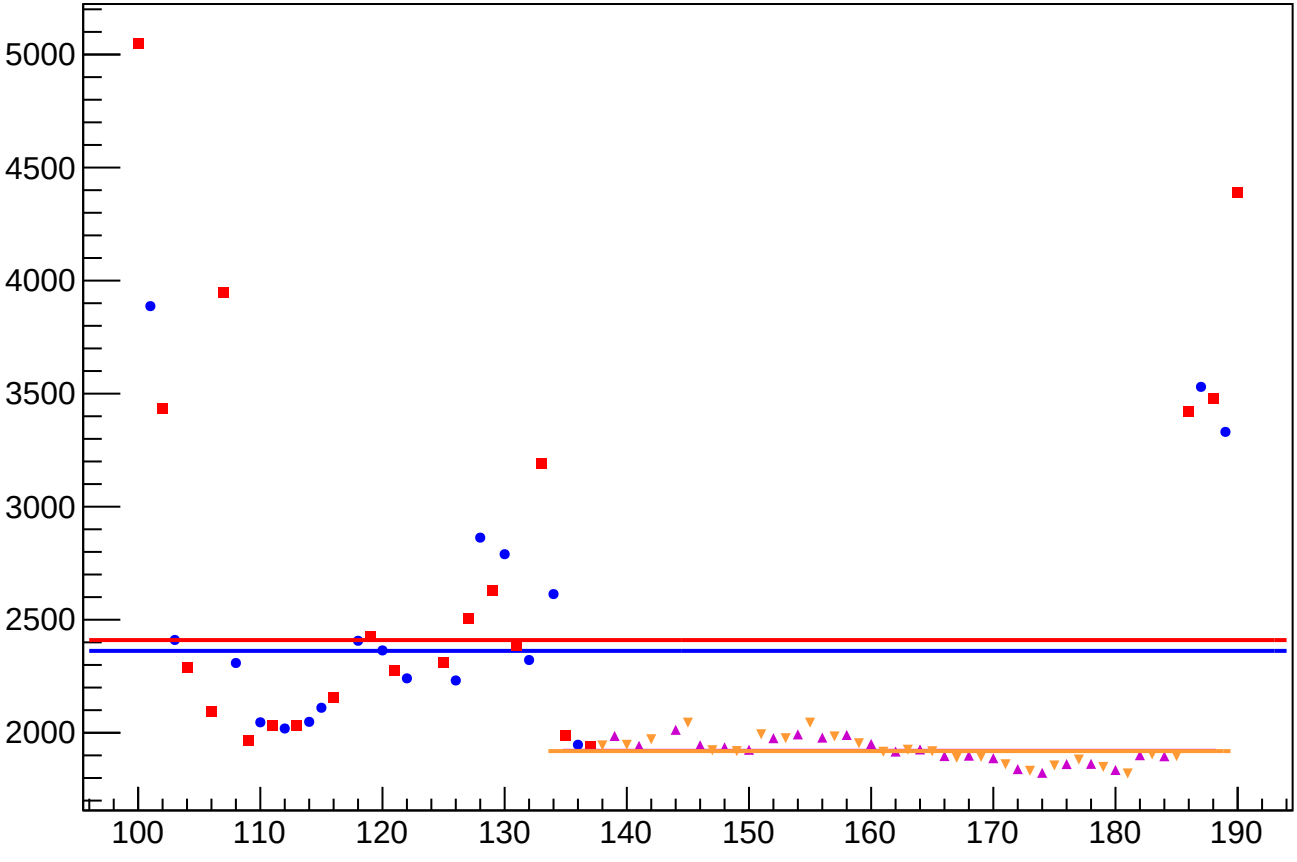
Left In: 646.910+/-448.538 χ^2/NDF:23.7/22

+ sign -273.698+/-395.028 χ^2/NDF: 46.4/41

All: 245.714+/-279.180 χ^2/NDF: 81.0/85

- sign 764.036+/-394.614 χ^2/NDF: 31.1/43

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

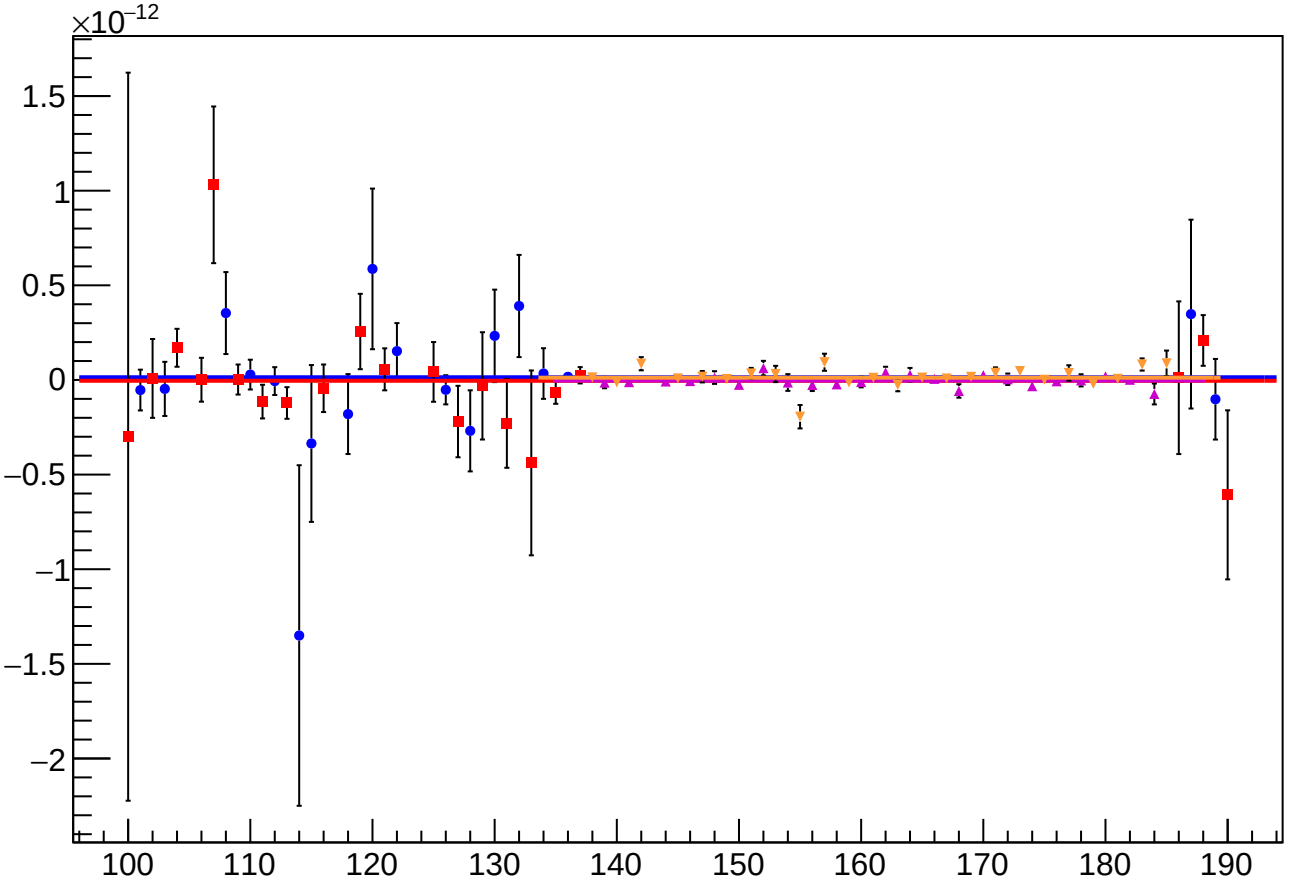
Right Out: 2410.012+/-0.587 χ^2/NDF: 876353.3/20

Left In: 1920.214+/-0.317 χ^2/NDF:29912.0/22

+ sign 2013.881+/-0.279 χ^2/NDF: 998257.7/41

All: 2022.402+/-0.197 χ^2/NDF: 2445350.3/85

- sign 2030.906+/-0.279 χ^2/NDF: 1445233.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/23

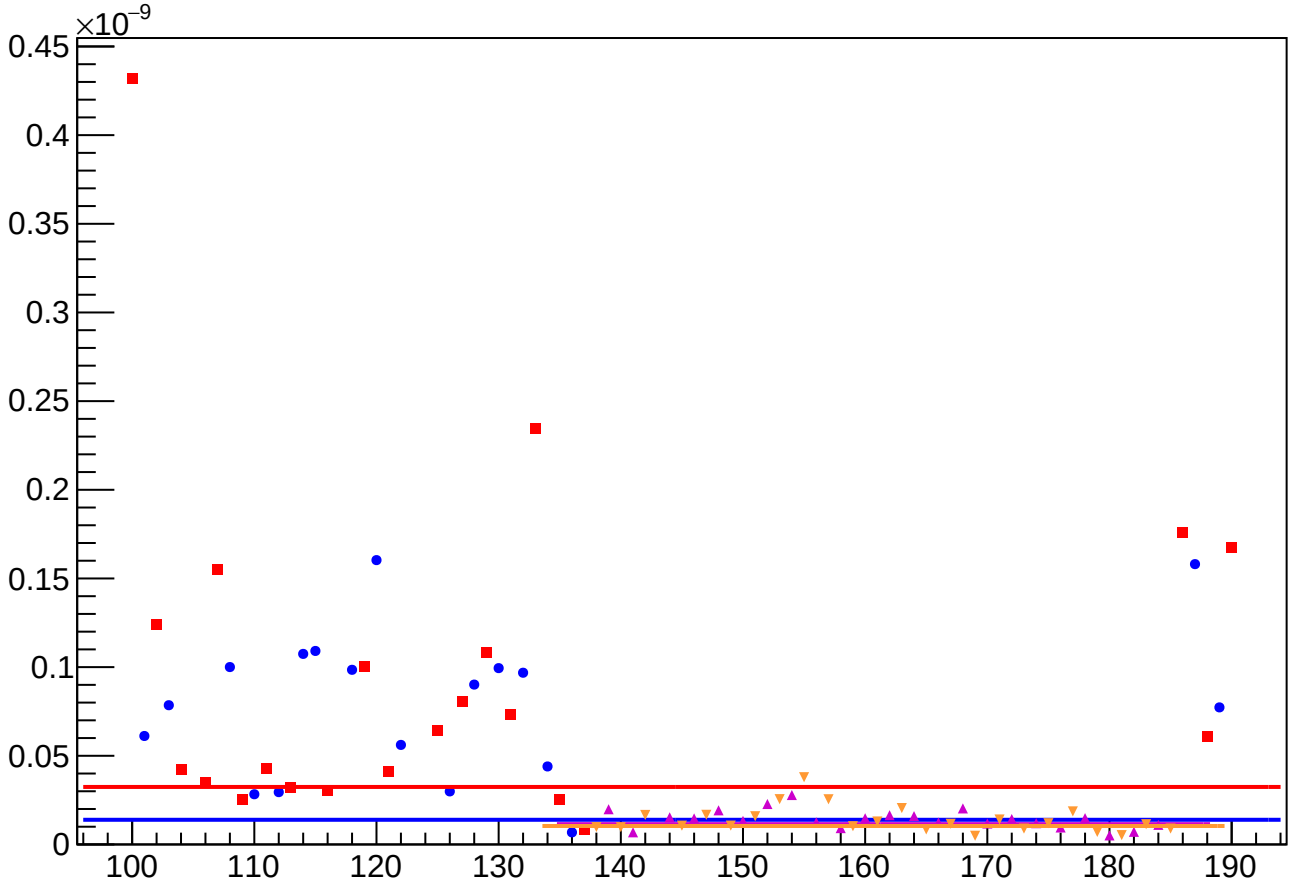
Right Out: -0.000+/-0.000 χ^2/NDF: 23.9/20

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: 102.5/85

- sign -0.000+/-0.000 χ^2/NDF: 43.5/43



Right In: 0.000+/-0.000 χ^2/NDF: 3761847.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:2075235.5/23

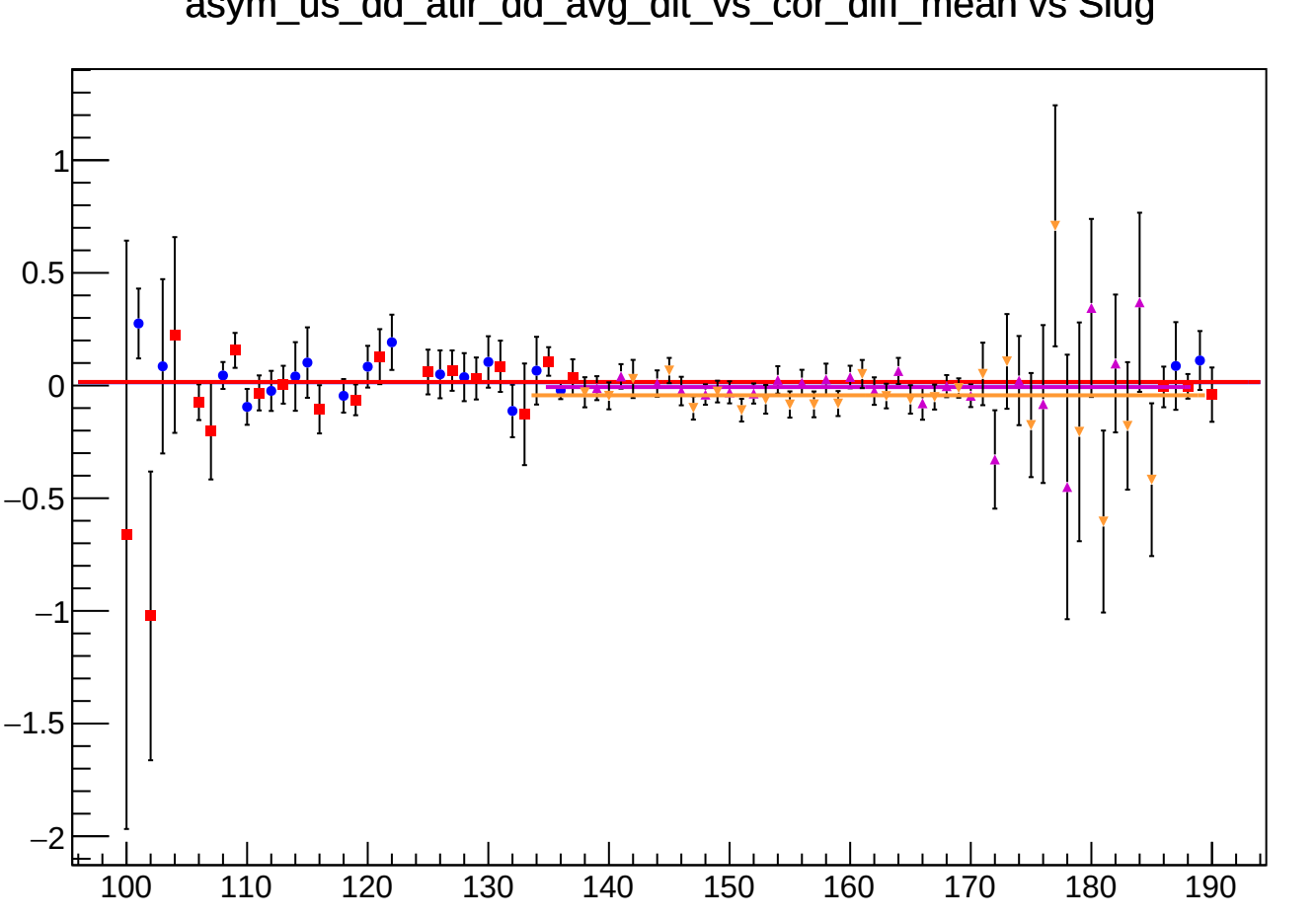
Right Out: 0.000+/-0.000 χ^2/NDF: 2886380.4/20

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: 12351142.2/85

- sign 0.000+/-0.000 χ^2/NDF: 6285823.8/43



Right In: 0.015+/-0.021 χ^2/NDF: 12.4/17

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

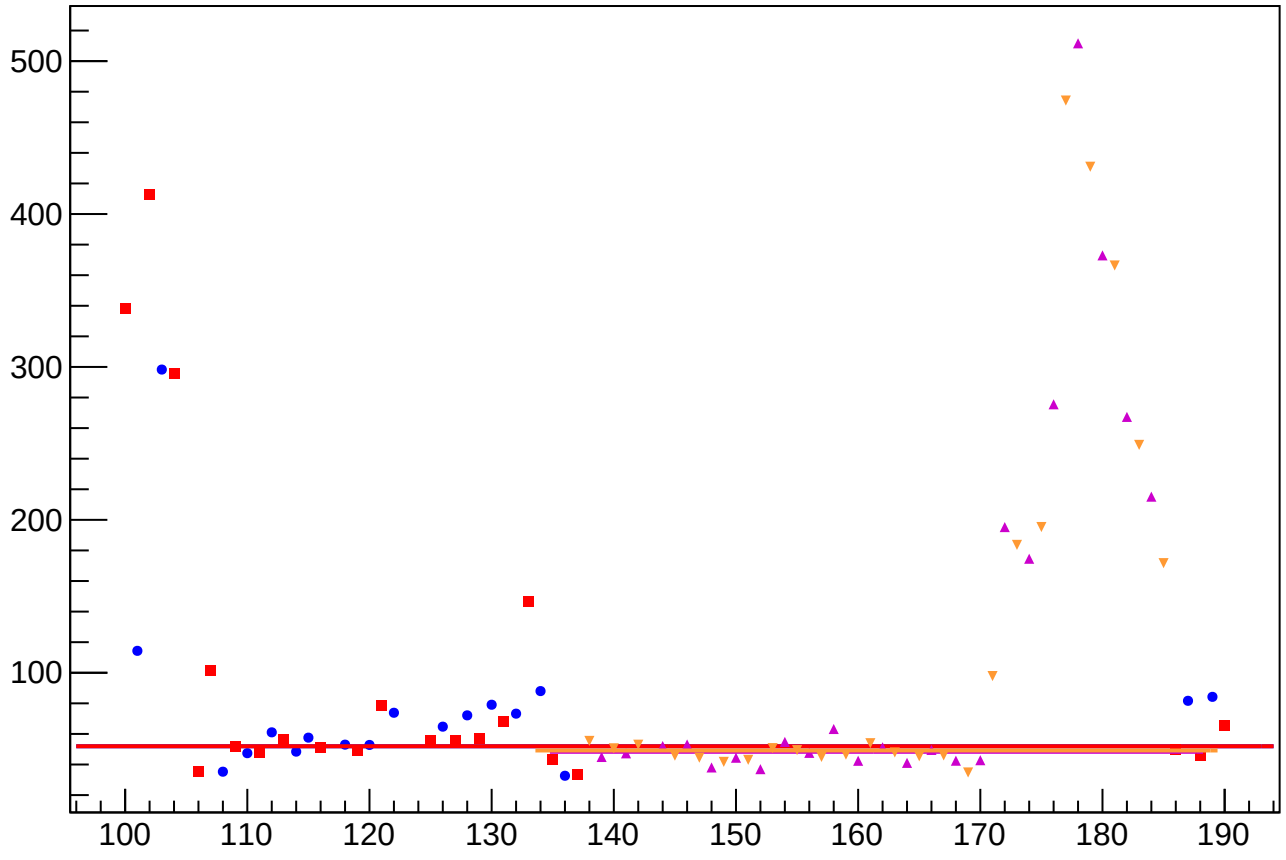
Right Out: 0.016+/-0.020 χ^2/NDF: 16.5/20

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.026+/-0.012 χ^2/NDF: 36.4/41

All: -0.013+/-0.008 χ^2/NDF: 67.7/85

- sign 0.000+/-0.011 χ^2/NDF: 28.6/43



Right In: 51.927+/-0.015 χ^2/NDF: 2442391.9/17

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

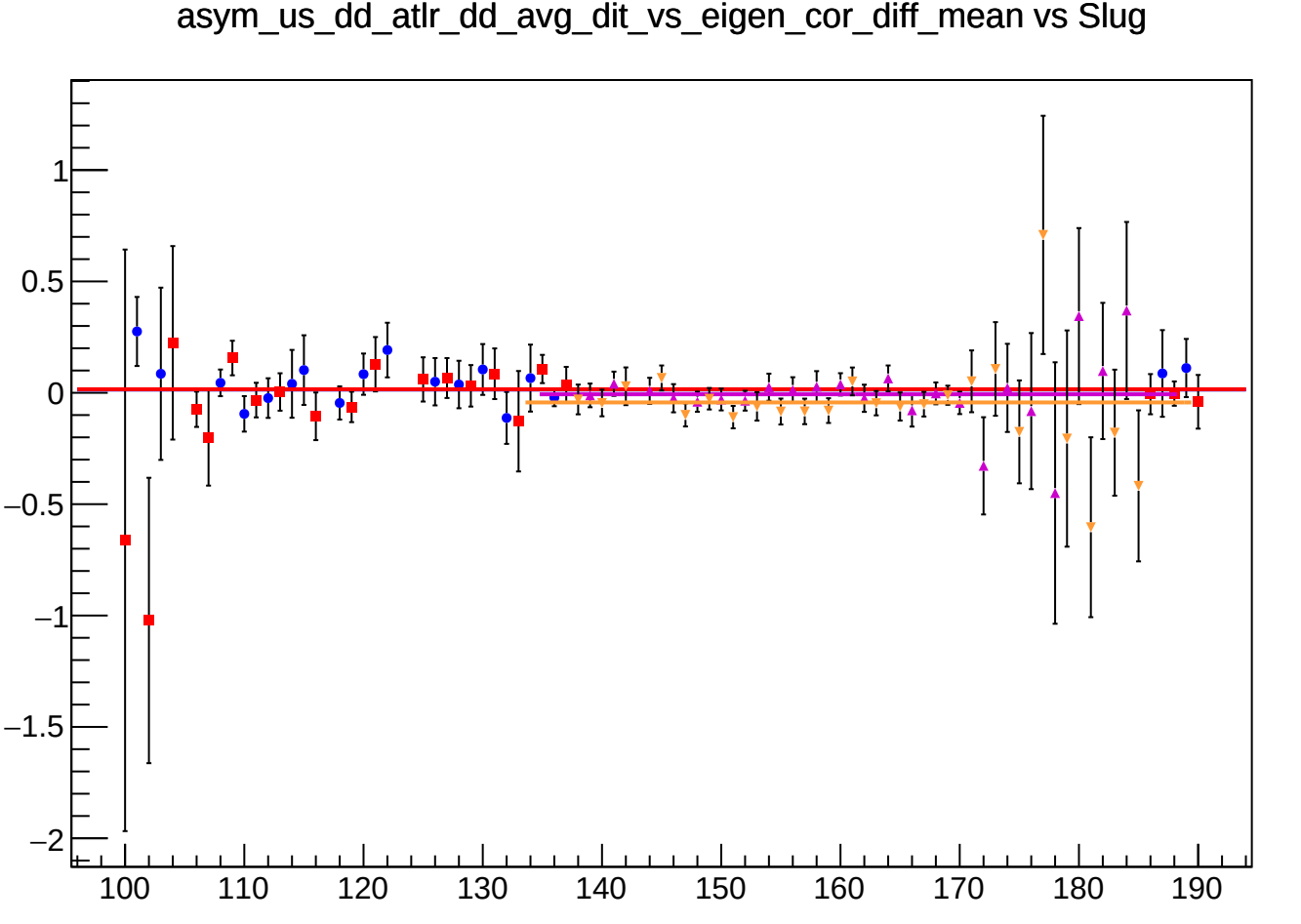
Right Out: 51.942+/-0.014 χ^2/NDF: 2266281.7/20

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

\+ sign 49.993+/-0.008 χ^2/NDF: 9715583.7/41

All: 49.694+/-0.006 χ^2/NDF: 19069147.4/85

\- sign 49.415+/-0.008 χ^2/NDF: 9351026.4/43



Right In: 0.015+/-0.021 χ^2/NDF: 12.4/17

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

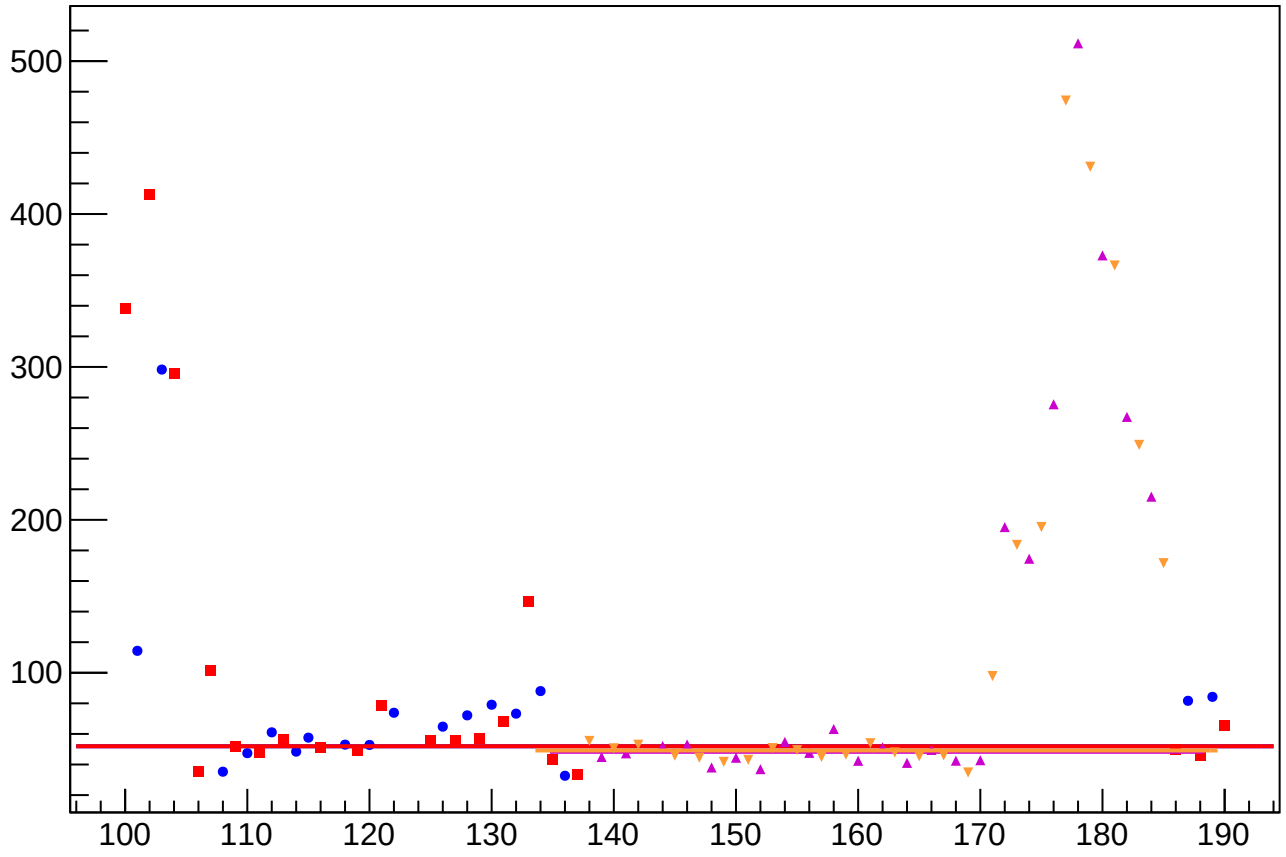
Right Out: 0.016+/-0.020 χ^2/NDF: 16.5/20

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.026+/-0.012 χ^2/NDF: 36.4/41

All: -0.013+/-0.008 χ^2/NDF: 67.7/85

- sign 0.000+/-0.011 χ^2/NDF: 28.6/43



Right In: 51.927+/-0.015 χ^2/NDF: 2442391.9/17

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

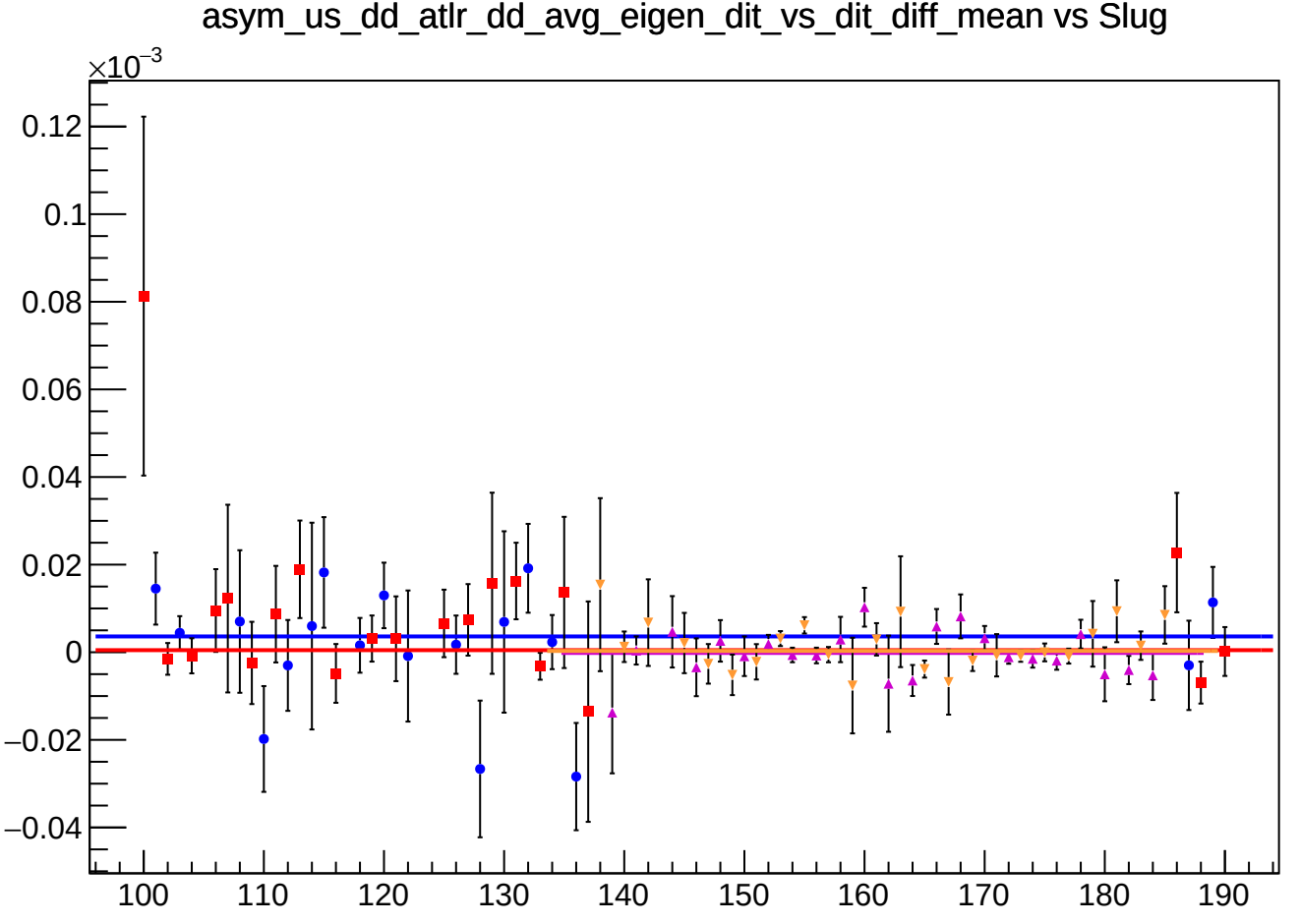
Right Out: 51.942+/-0.014 χ^2/NDF: 2266281.7/20

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

\+ sign 49.993+/-0.008 χ^2/NDF: 9715583.7/41

All: 49.694+/-0.006 χ^2/NDF: 19069147.4/85

\- sign 49.415+/-0.008 χ^2/NDF: 9351026.4/43



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/23

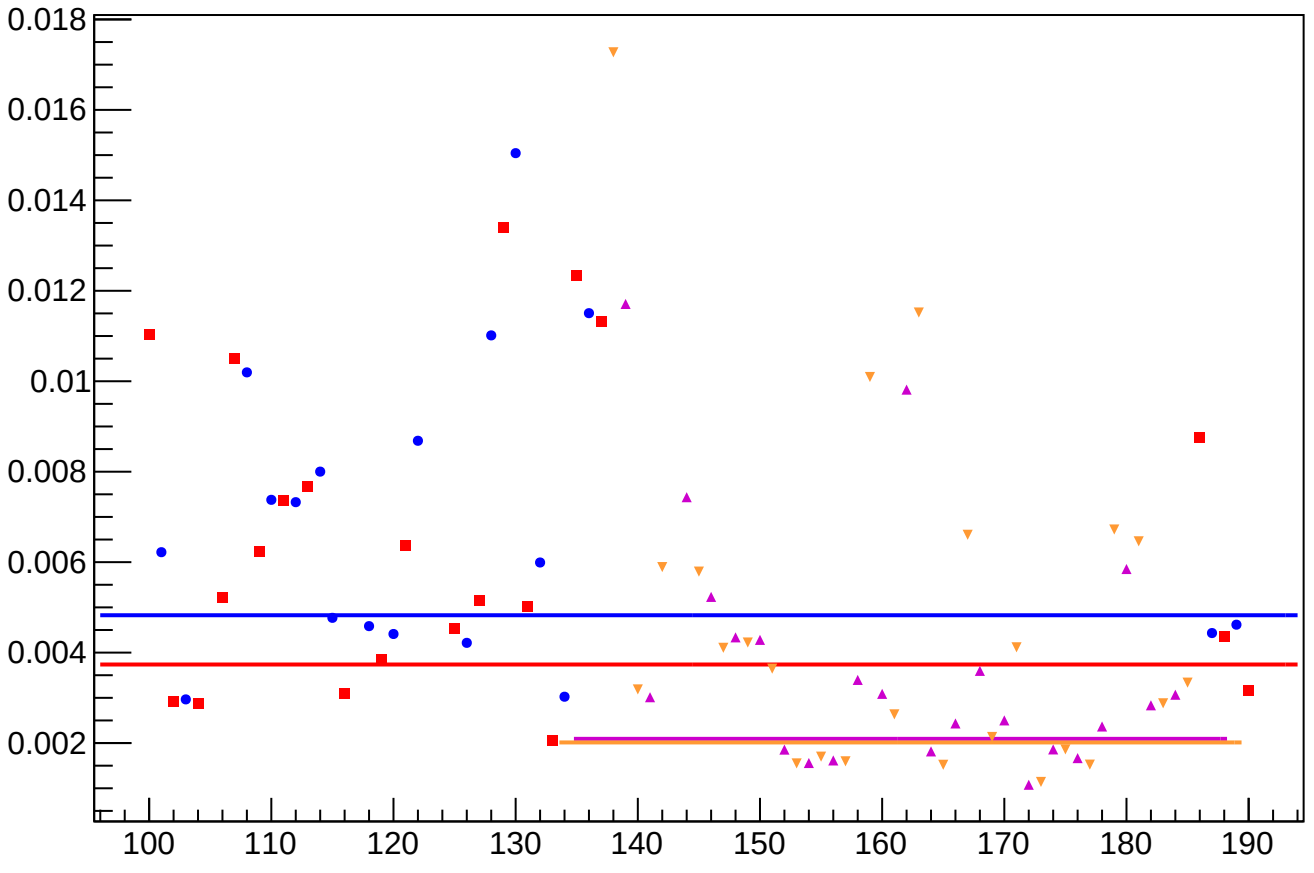
Right Out: 0.000+/-0.000 χ^2/NDF: 22.4/20

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: 103.4/85

- sign -0.000+/-0.000 χ^2/NDF: 47.9/43



Right In: 0.005+/-0.000 χ^2/NDF: 2749821.1/17

Left Out: 0.002+/-0.000 χ^2/NDF:10262318.5/23

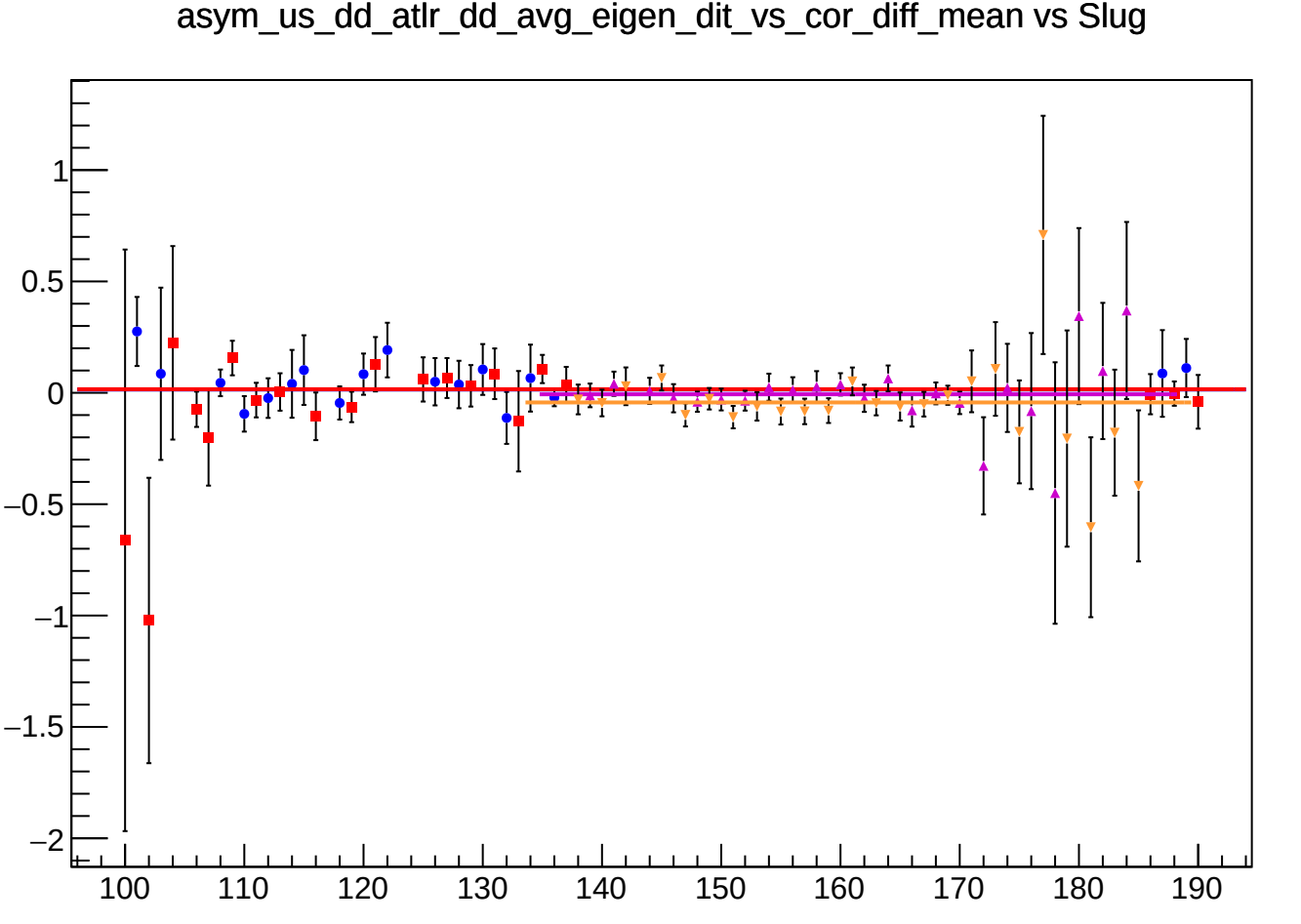
Right Out: 0.004+/-0.000 χ^2/NDF: 3439977.6/20

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: 29620099.8/85

- sign 0.002+/-0.000 χ^2/NDF: 12819367.8/43



Right In: 0.015+/-0.021 χ^2/NDF: 12.4/17

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

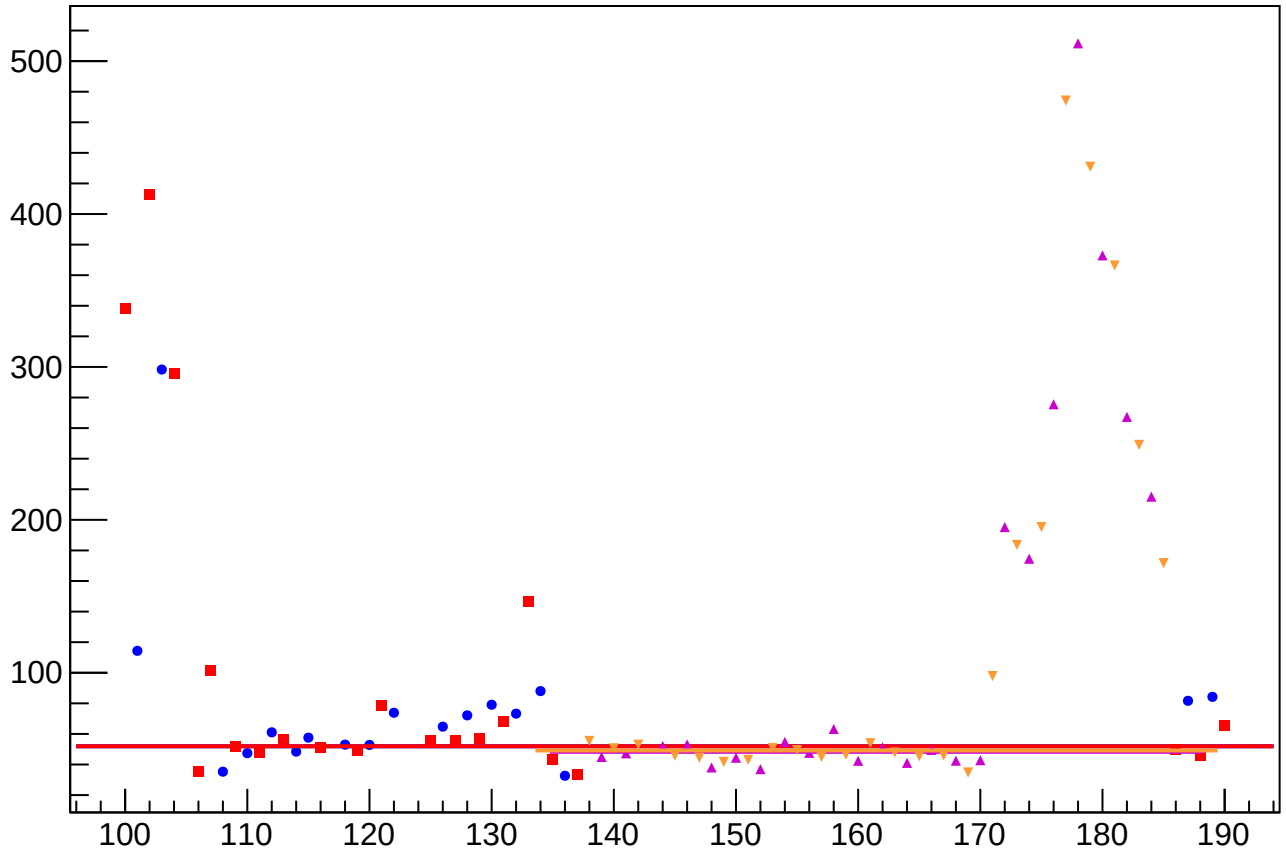
Right Out: 0.016+/-0.020 χ^2/NDF: 16.4/20

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.026+/-0.012 χ^2/NDF: 36.4/41

All: -0.013+/-0.008 χ^2/NDF: 67.7/85

- sign 0.000+/-0.011 χ^2/NDF: 28.6/43



Right In: 51.927+/-0.015 χ^2/NDF: 2442300.3/17

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

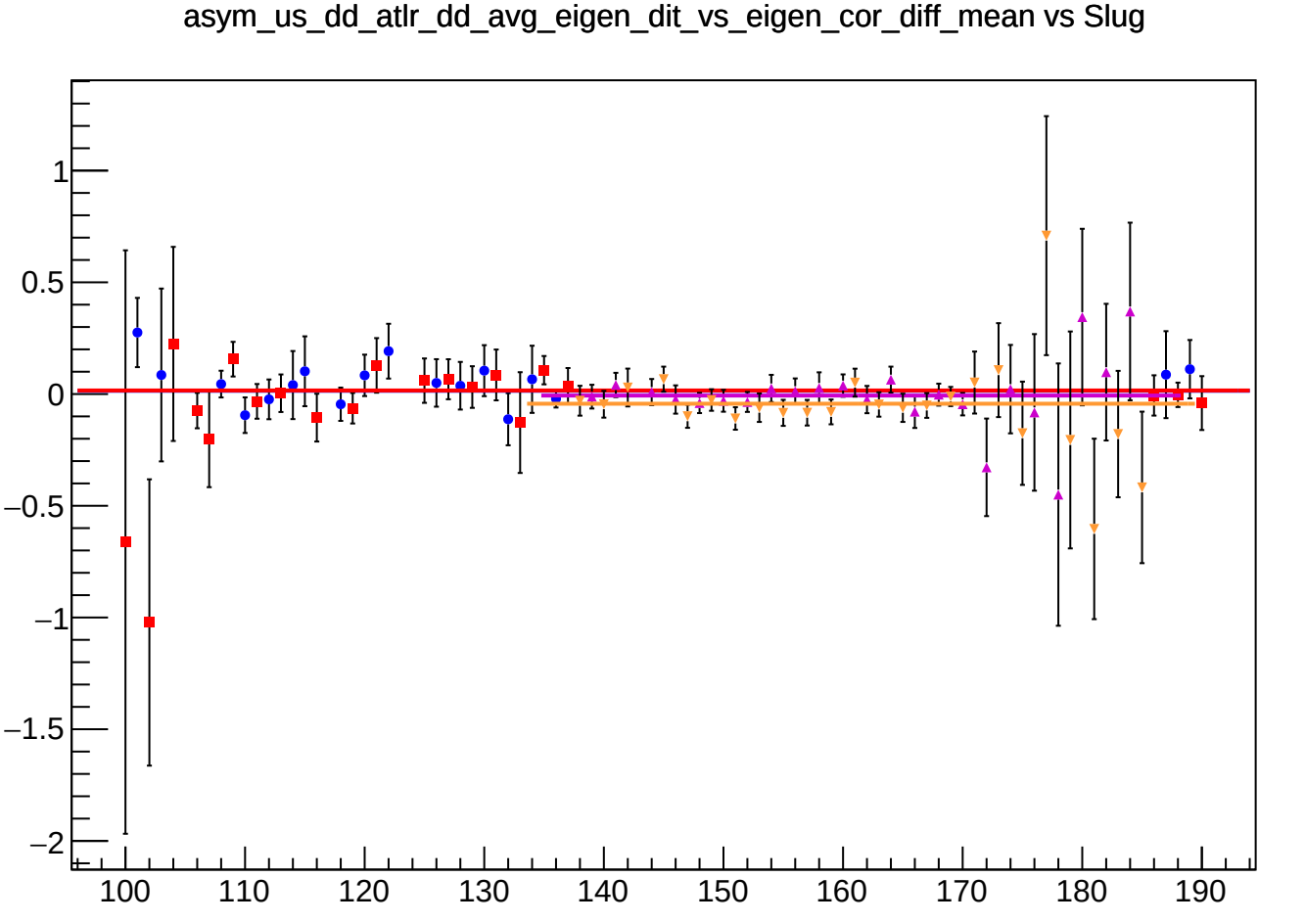
Right Out: 51.943+/-0.014 χ^2/NDF: 2266154.3/20

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

\+ sign 49.993+/-0.008 χ^2/NDF: 9715515.9/41

All: 49.695+/-0.006 χ^2/NDF: 19068879.2/85

\- sign 49.416+/-0.008 χ^2/NDF: 9350830.2/43



Right In: 0.015+/-0.021 χ^2/NDF: 12.4/17

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

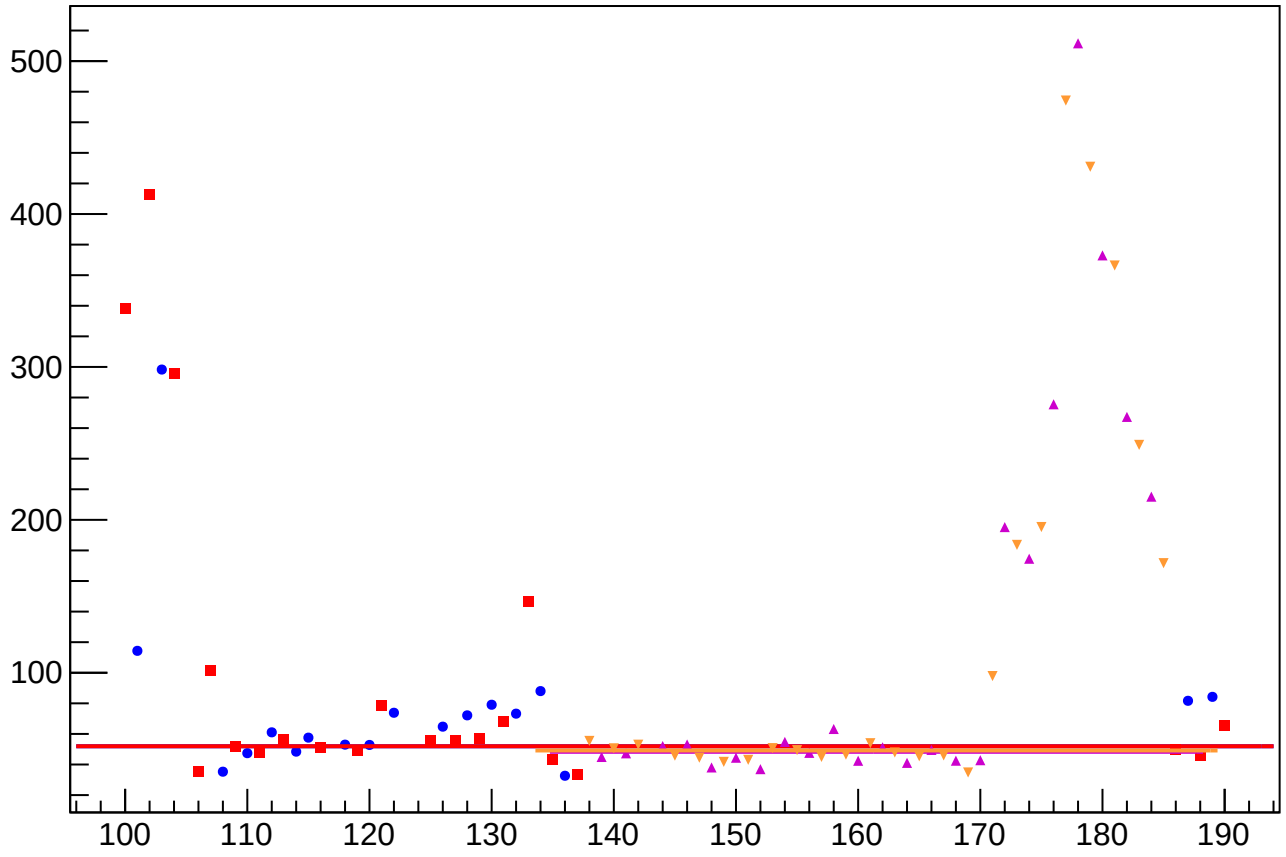
Right Out: 0.016+/-0.020 χ^2/NDF: 16.4/20

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.026+/-0.012 χ^2/NDF: 36.4/41

All: -0.013+/-0.008 χ^2/NDF: 67.7/85

- sign 0.000+/-0.011 χ^2/NDF: 28.6/43



Right In: 51.927+/-0.015 χ^2/NDF: 2442300.3/17

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

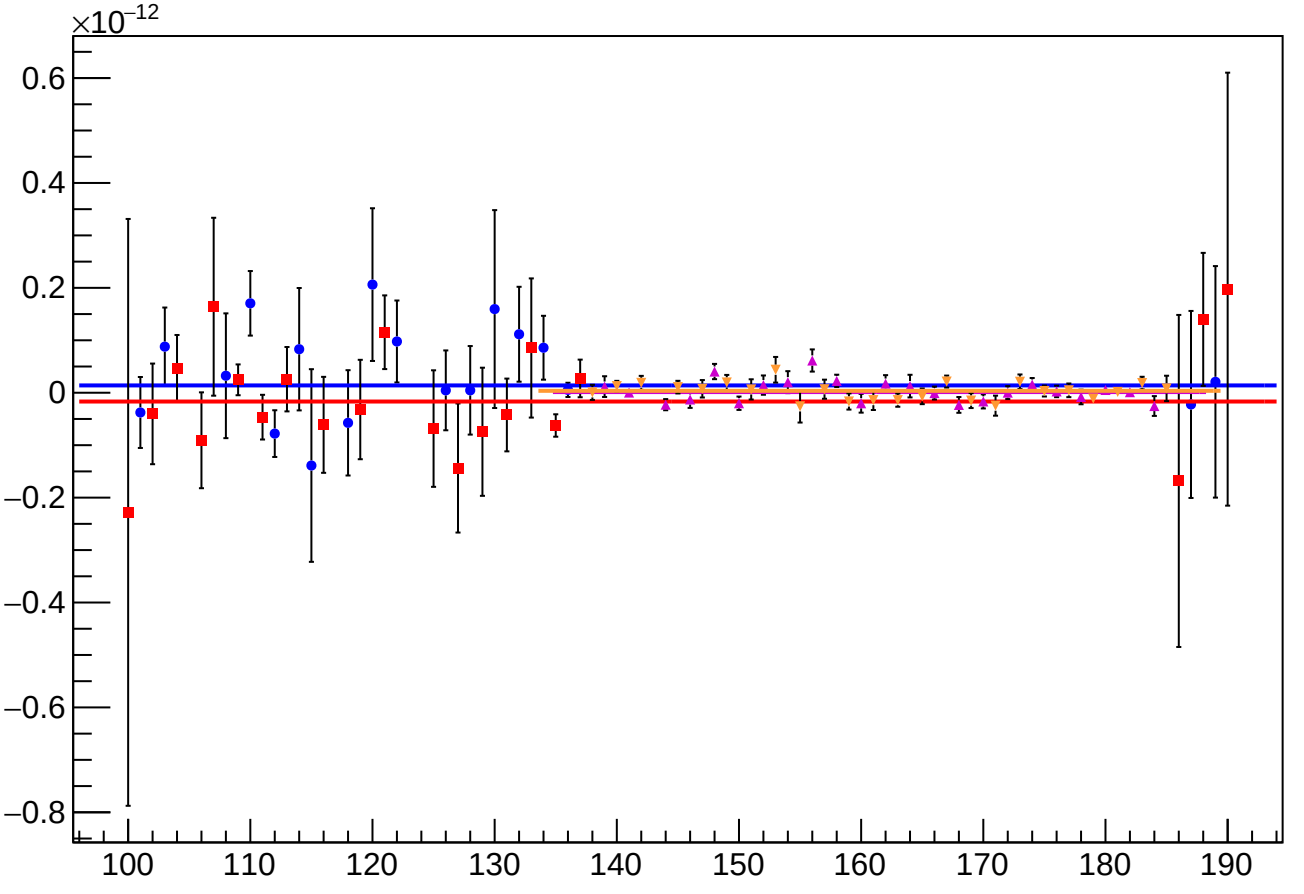
Right Out: 51.943+/-0.014 χ^2/NDF: 2266154.3/20

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

\+ sign 49.993+/-0.008 χ^2/NDF: 9715515.9/41

All: 49.695+/-0.006 χ^2/NDF: 19068879.2/85

\- sign 49.416+/-0.008 χ^2/NDF: 9350830.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:24.6/23

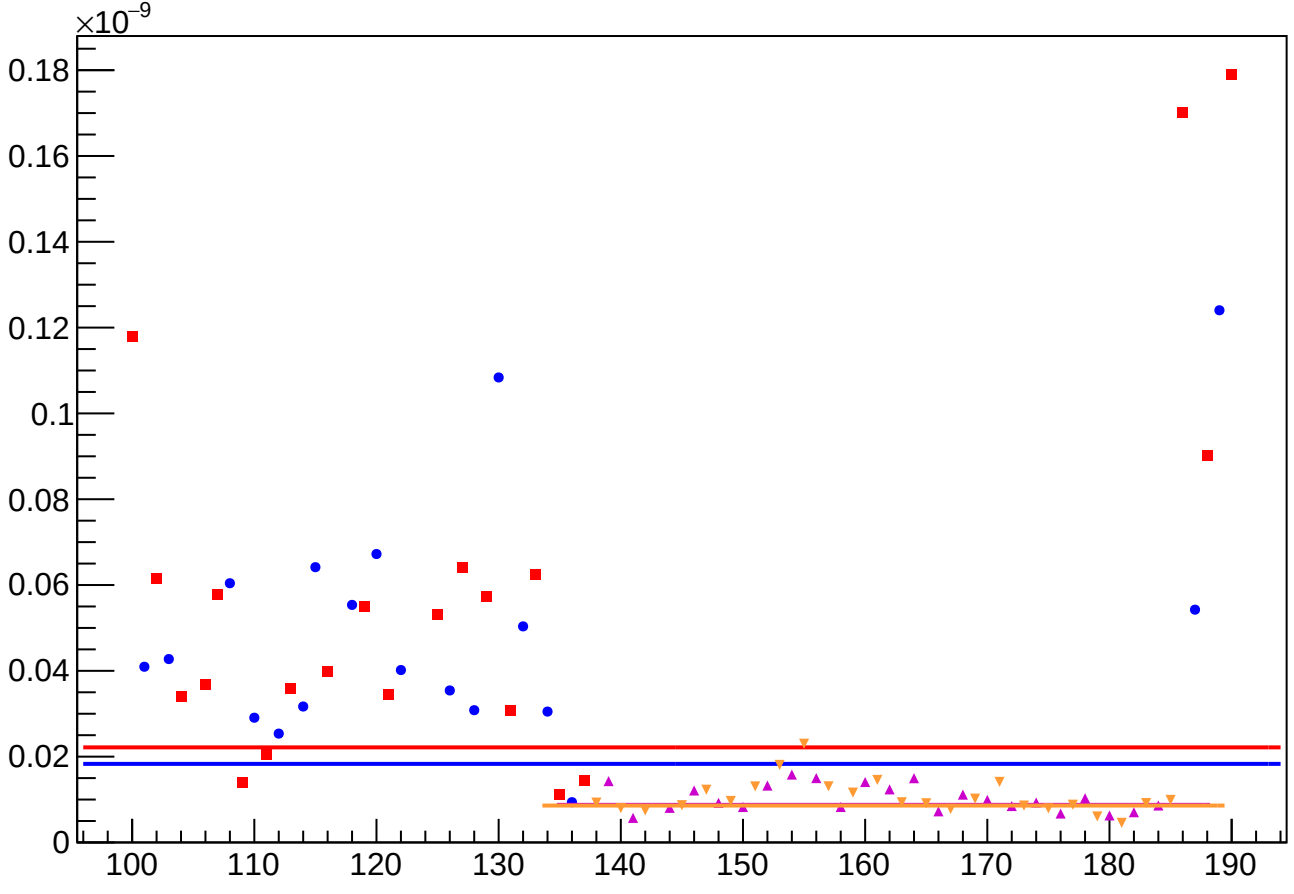
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/20

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: 108.9/85

- sign 0.000+/-0.000 χ^2/NDF: 62.1/43



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: 3935418.8/20

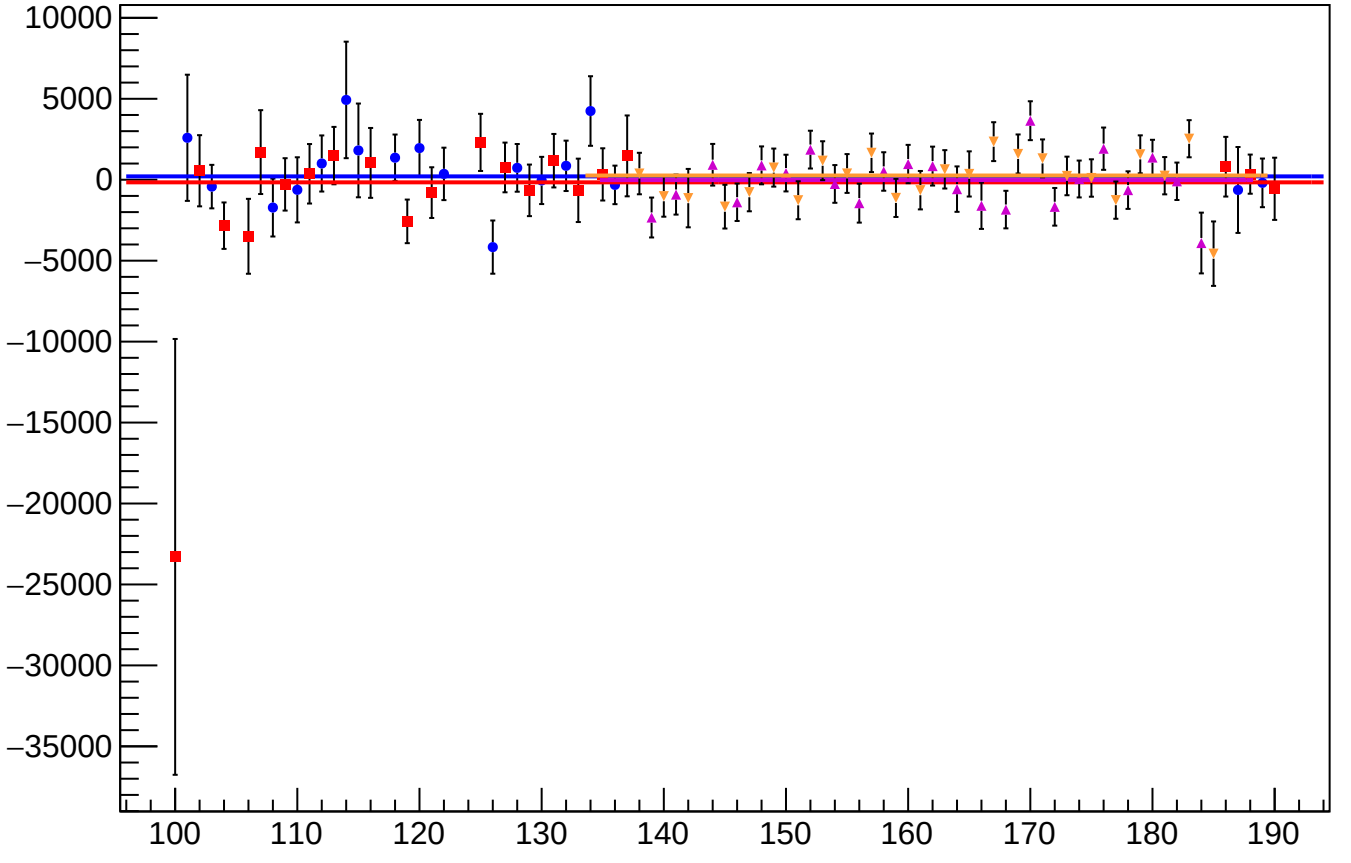
Left In: 0.000+/-0.000 χ^2/NDF:1954811.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 7844894.1/41

All: 0.000+/-0.000 χ^2/NDF: 15953794.7/85

- sign 0.000+/-0.000 χ^2/NDF: 8099834.4/43

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: -161.239+/-384.470 χ^2/NDF: 17.9/20

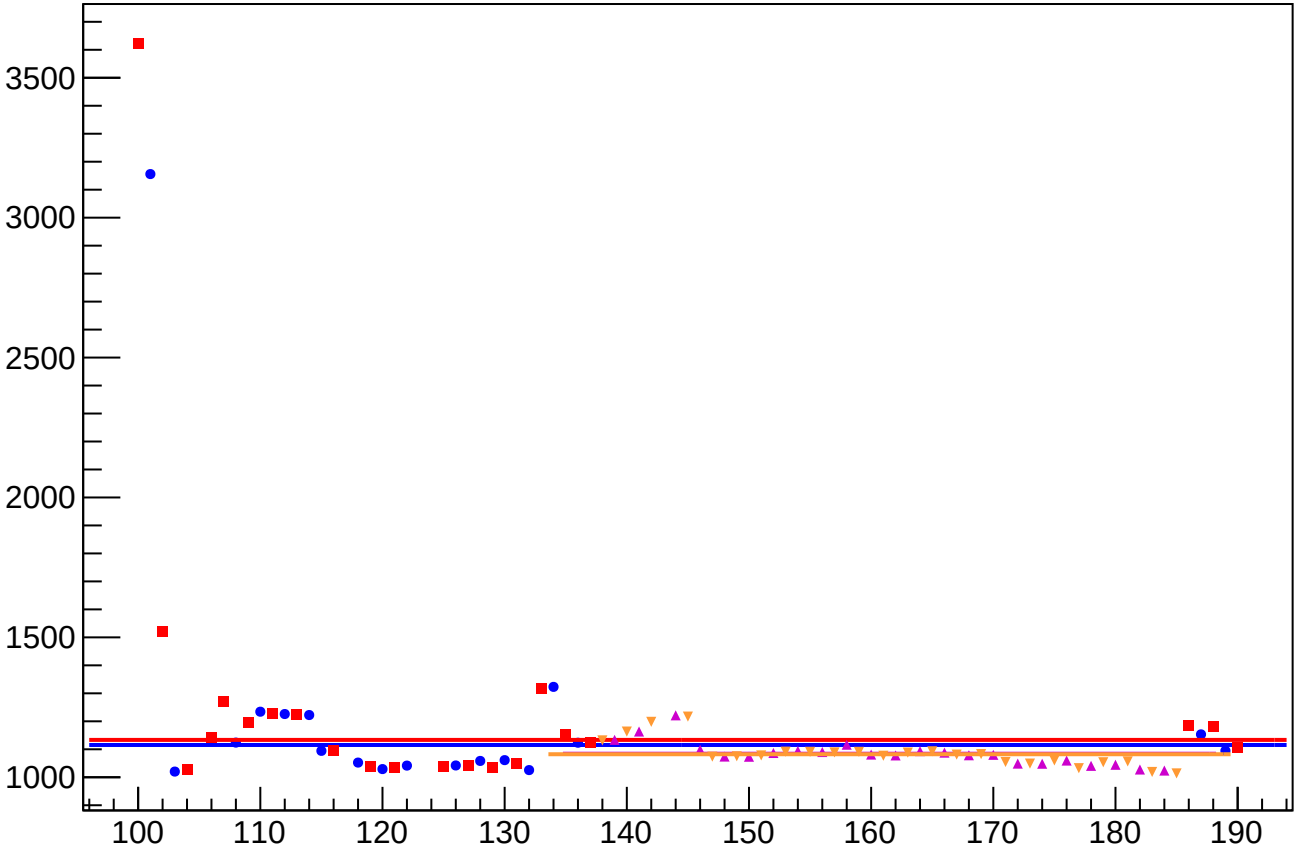
Left In: -22.368+/-253.332 χ^2/NDF:35.8/22

+ sign 245.747+/-213.432 χ^2/NDF: 45.4/41

All: 89.287+/-150.245 χ^2/NDF: 100.2/85

- sign -64.409+/-211.539 χ^2/NDF: 53.8/43

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

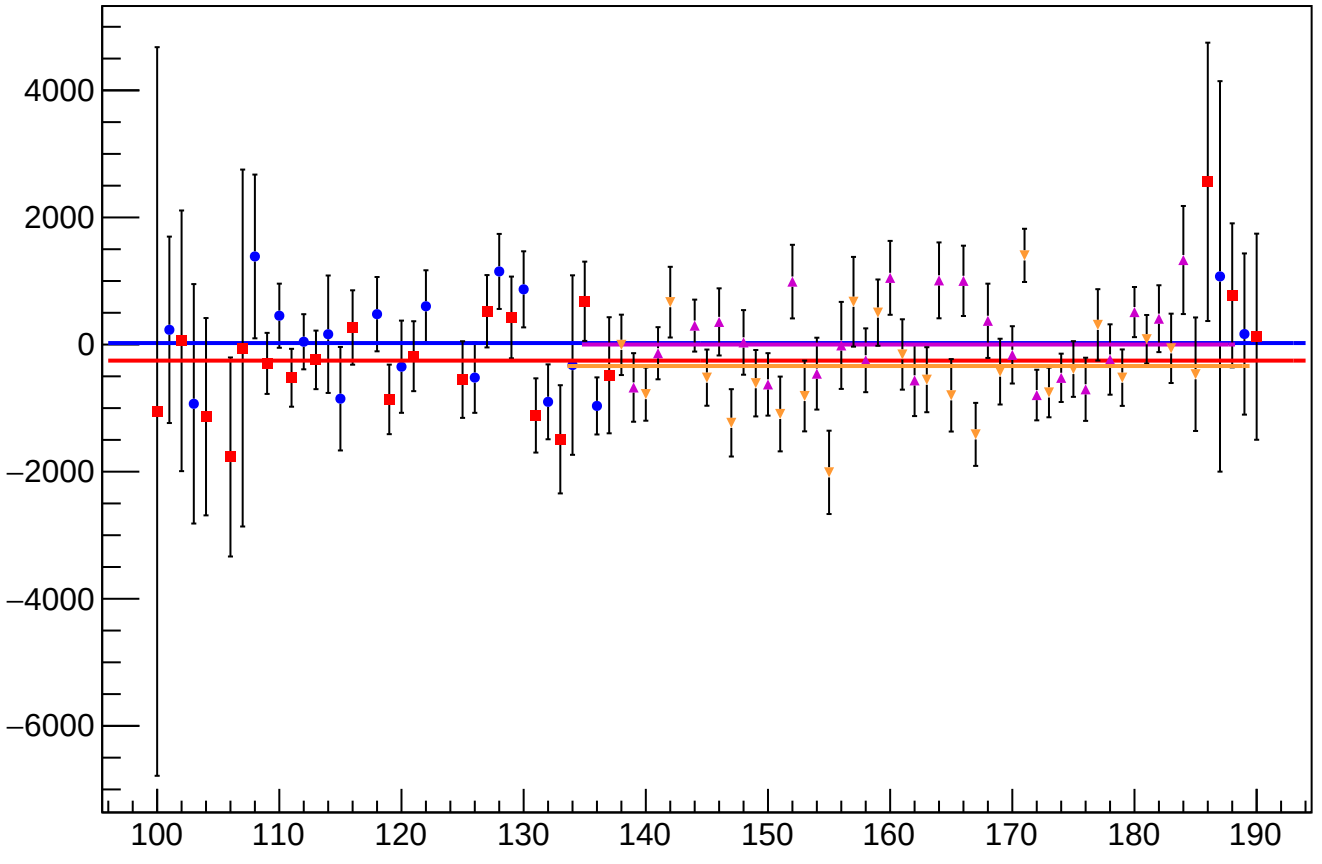
Right Out: 1133.526+/-0.272 χ^2/NDF: 228040.5/20

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1091.550+/-0.151 χ^2/NDF: 691736.5/41

All: 1095.363+/-0.106 χ^2/NDF: 997467.0/85

- sign 1099.109+/-0.150 χ^2/NDF: 304465.1/43



Right In: 23.654+/-159.733 χ^2/NDF: 19.3/17

Left Out: -337.727+/-102.601 χ^2/NDF:48.8/23

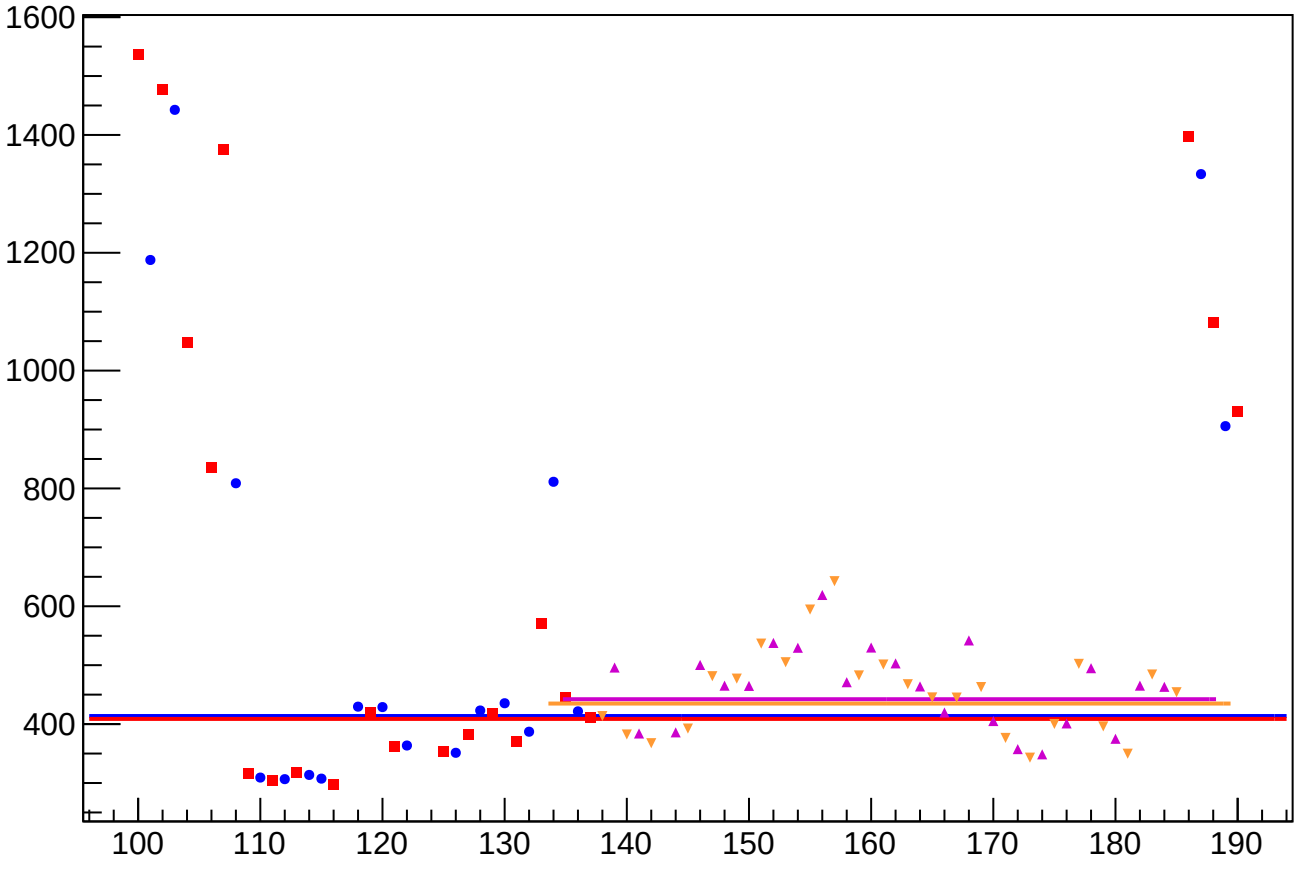
Right Out: -252.645+/-153.647 χ^2/NDF: 16.1/20

Left In: 0.547+/-104.733 χ^2/NDF:31.9/22

\+ sign -232.175+/-86.327 χ^2/NDF: 71.7/41

All: -156.164+/-61.117 χ^2/NDF: 123.1/85

\- sign -79.776+/-86.540 χ^2/NDF: 49.8/43



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: 408.794+/-0.109 χ^2/NDF: 3120510.4/20

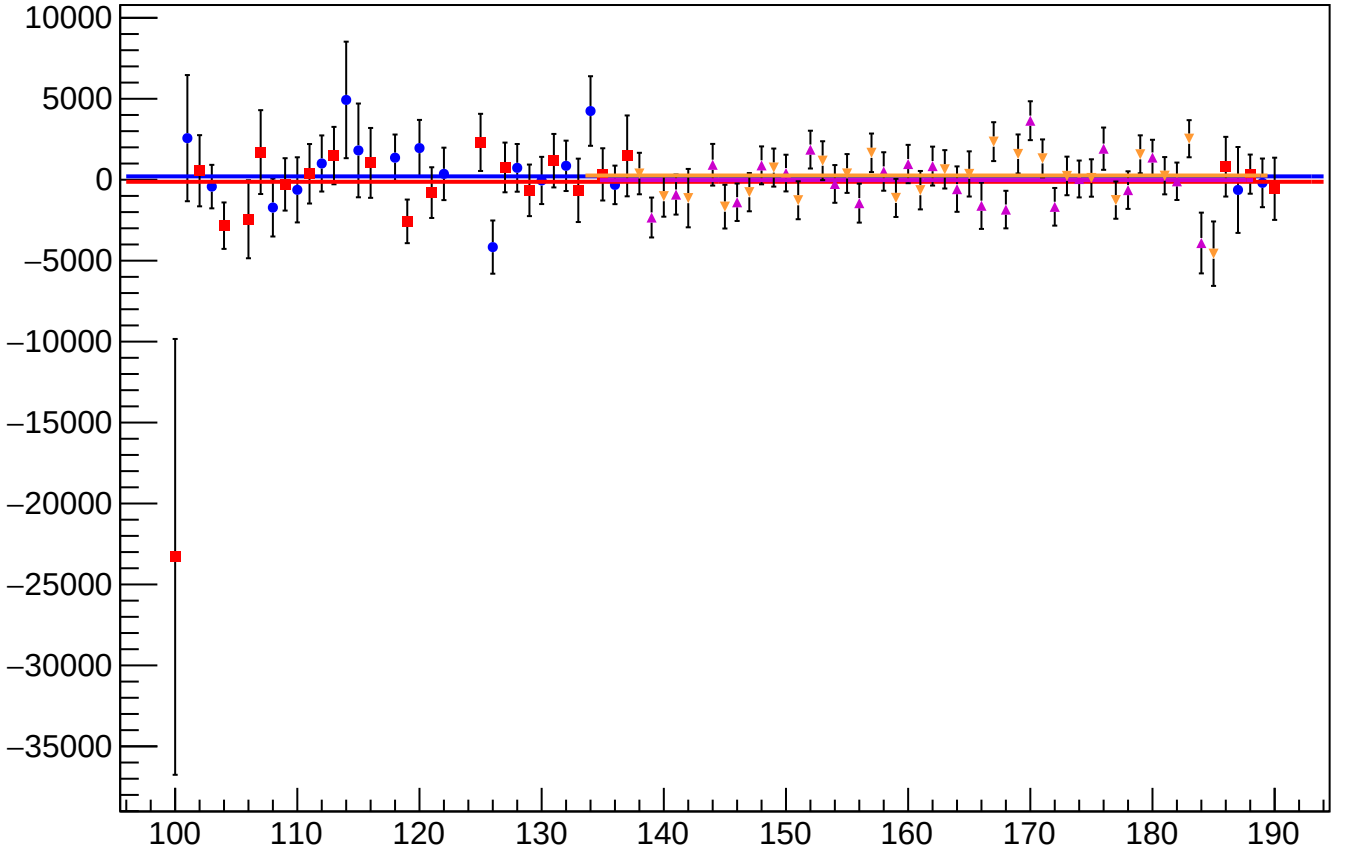
Left In: 442.209+/-0.074 χ^2/NDF:825972.2/22

+ sign 428.673+/-0.061 χ^2/NDF: 3200592.9/41

All: 430.137+/-0.043 χ^2/NDF: 7212812.1/85

- sign 431.608+/-0.061 χ^2/NDF: 4011066.1/43

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: -127.271+/-384.880 χ^2/NDF: 16.7/20

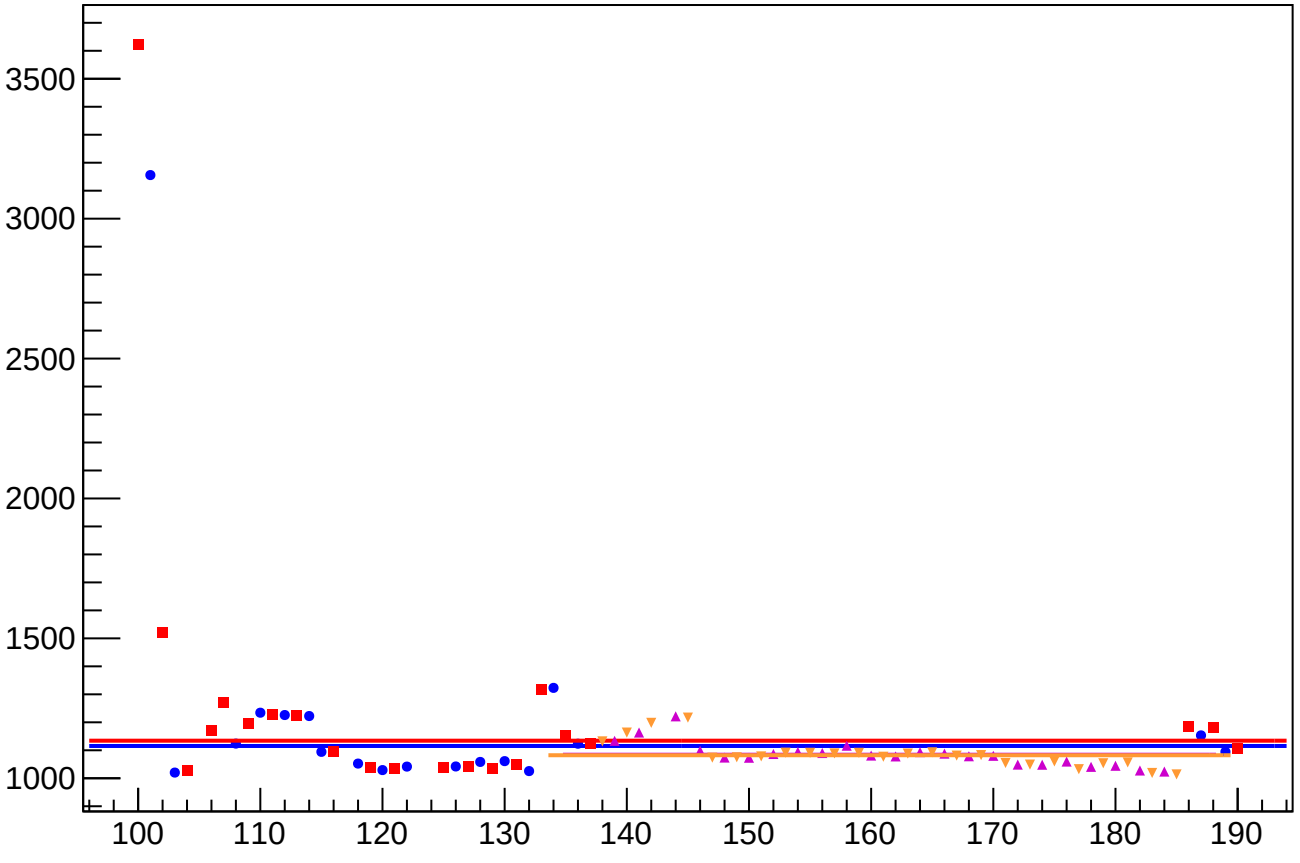
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 245.645+/-213.432 χ^2/NDF: 45.4/41

All: 94.499+/-150.270 χ^2/NDF: 98.9/85

- sign -54.074+/-211.607 χ^2/NDF: 52.6/43

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

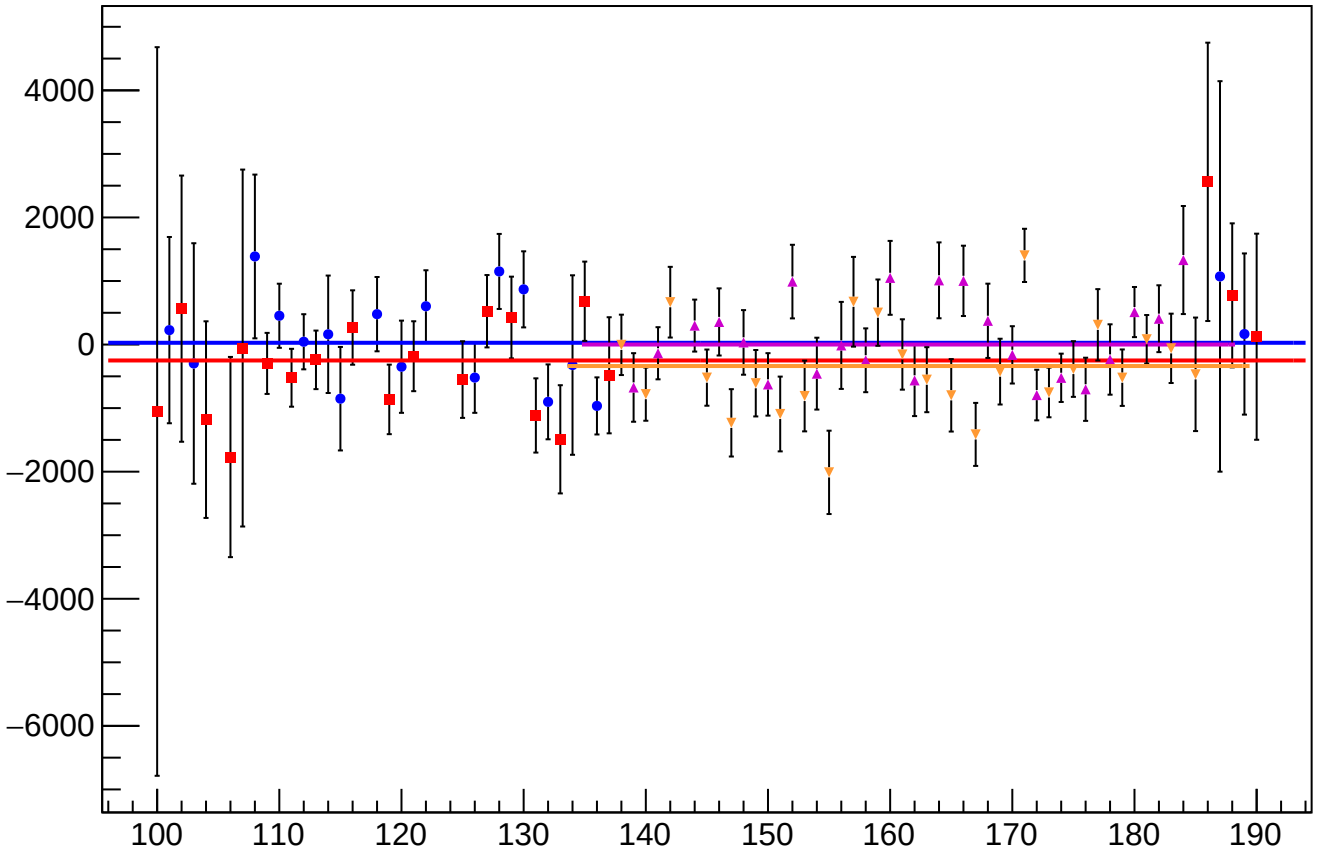
Right Out: 1134.312+/-0.272 χ^2/NDF: 228518.4/20

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1091.550+/-0.151 χ^2/NDF: 691737.4/41

All: 1095.470+/-0.106 χ^2/NDF: 998721.1/85

- sign 1099.324+/-0.150 χ^2/NDF: 305645.5/43



Right In: 28.026+/-159.734 χ^2/NDF: 19.1/17

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

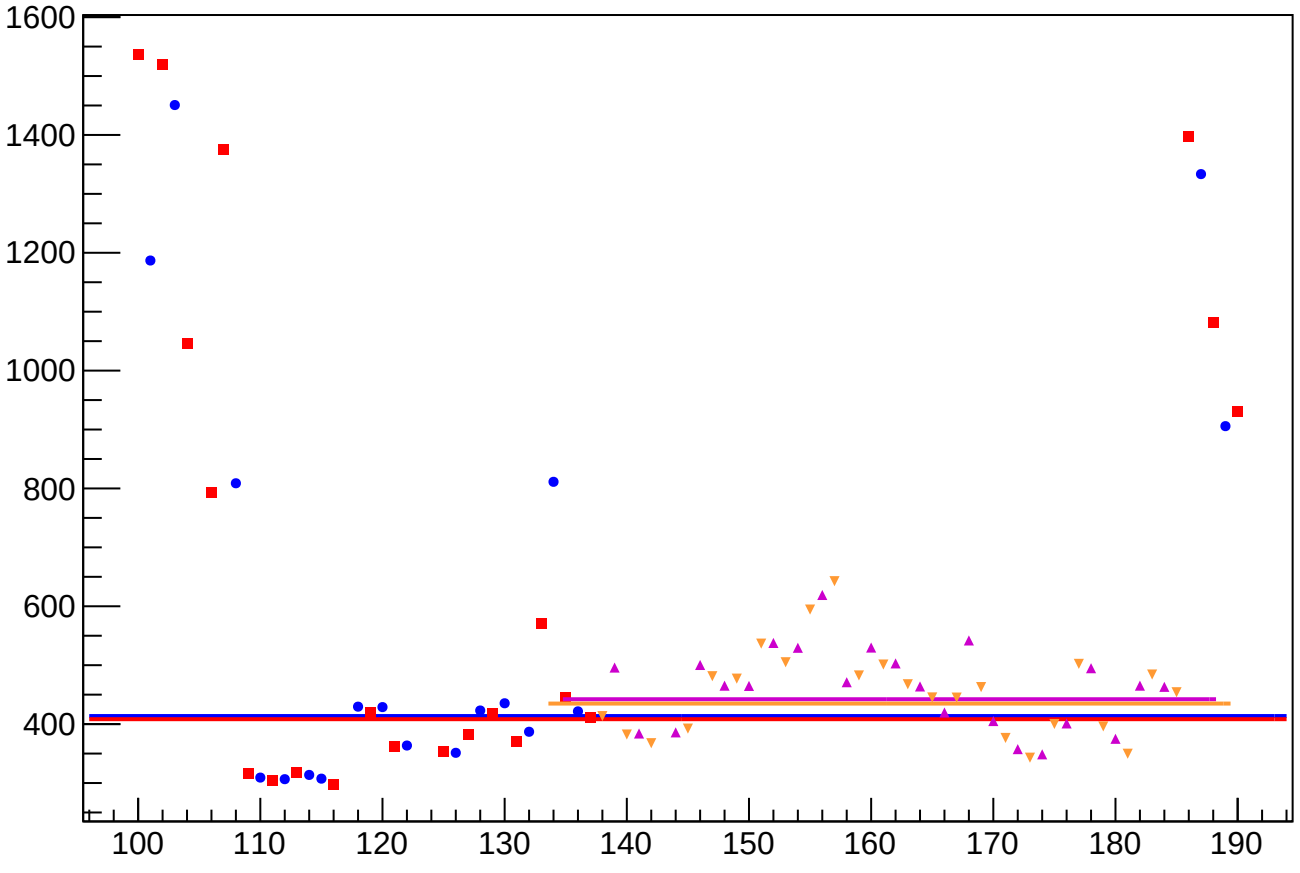
Right Out: -250.379+/-153.669 χ^2/NDF: 16.2/20

Left In: 0.567+/-104.733 χ^2/NDF:31.9/22

+ sign -230.963+/-86.327 χ^2/NDF: 71.6/41

All: -155.186+/-61.119 χ^2/NDF: 123.0/85

- sign -79.027+/-86.544 χ^2/NDF: 49.9/43



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: 408.351+/-0.109 χ^2/NDF: 3110260.7/20

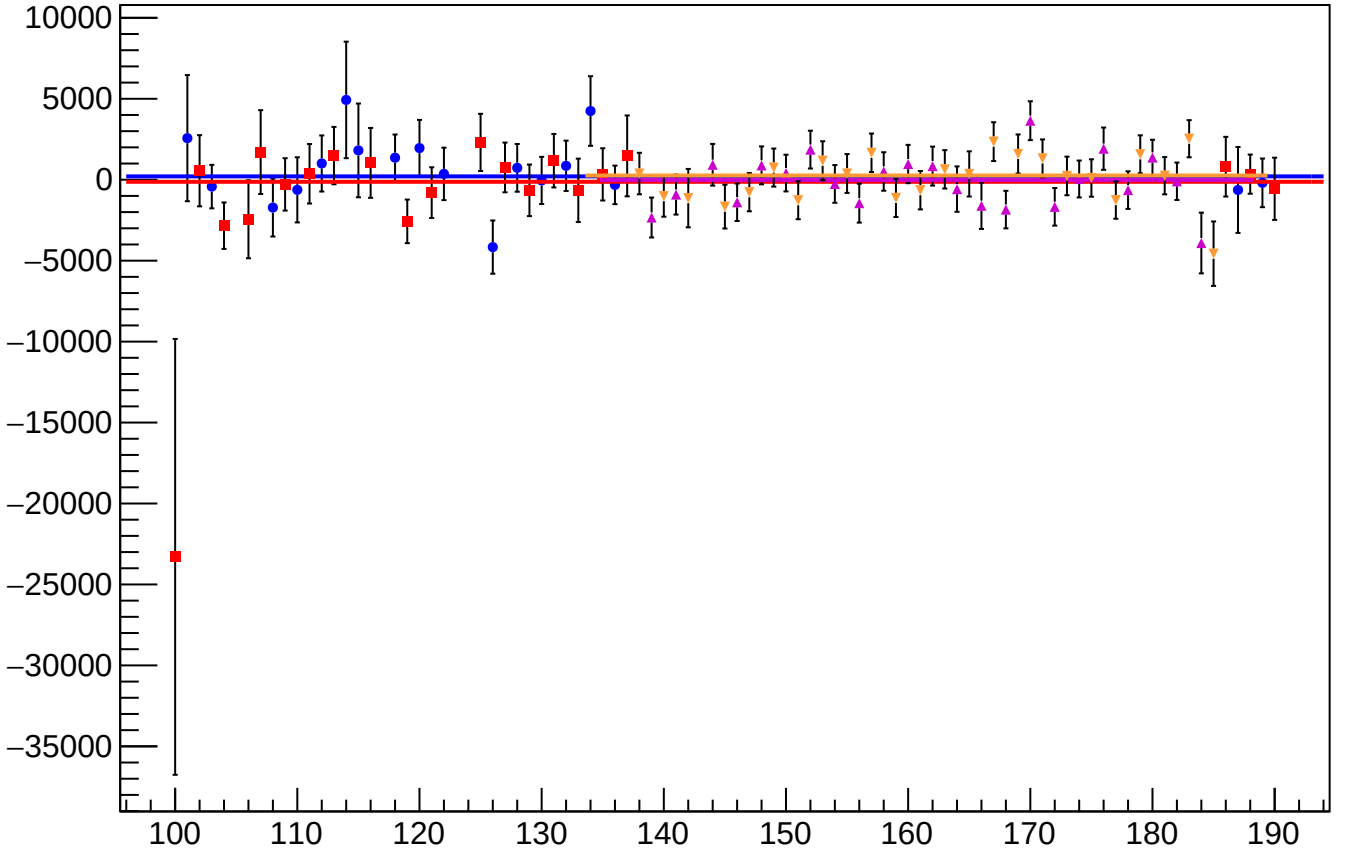
Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

+ sign 428.668+/-0.061 χ^2/NDF: 3204399.1/41

All: 430.066+/-0.043 χ^2/NDF: 7207854.1/85

- sign 431.470+/-0.061 χ^2/NDF: 4002403.8/43

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: -127.271+/-384.880 χ^2/NDF: 16.7/20

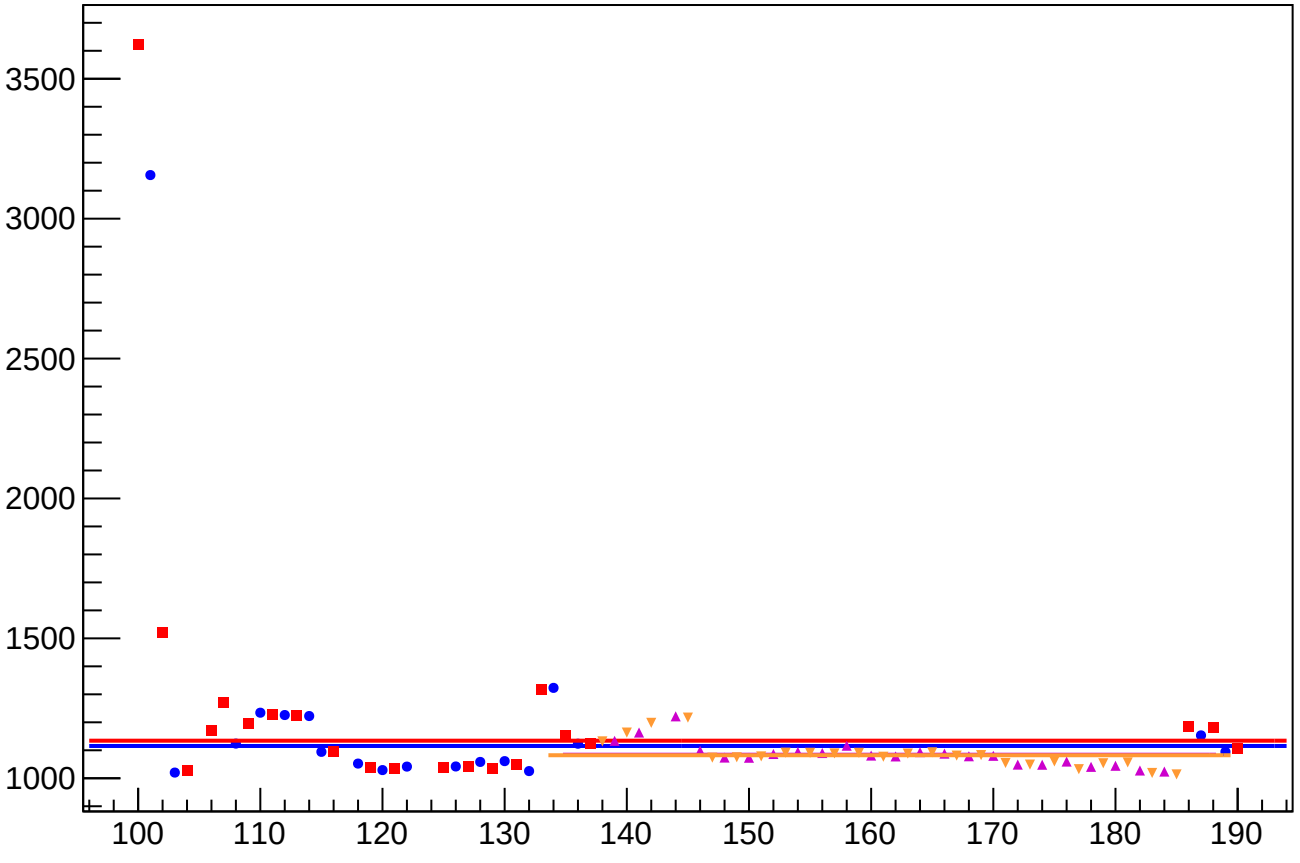
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 245.645+/-213.432 χ^2/NDF: 45.4/41

All: 94.499+/-150.270 χ^2/NDF: 98.9/85

- sign -54.074+/-211.607 χ^2/NDF: 52.6/43

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

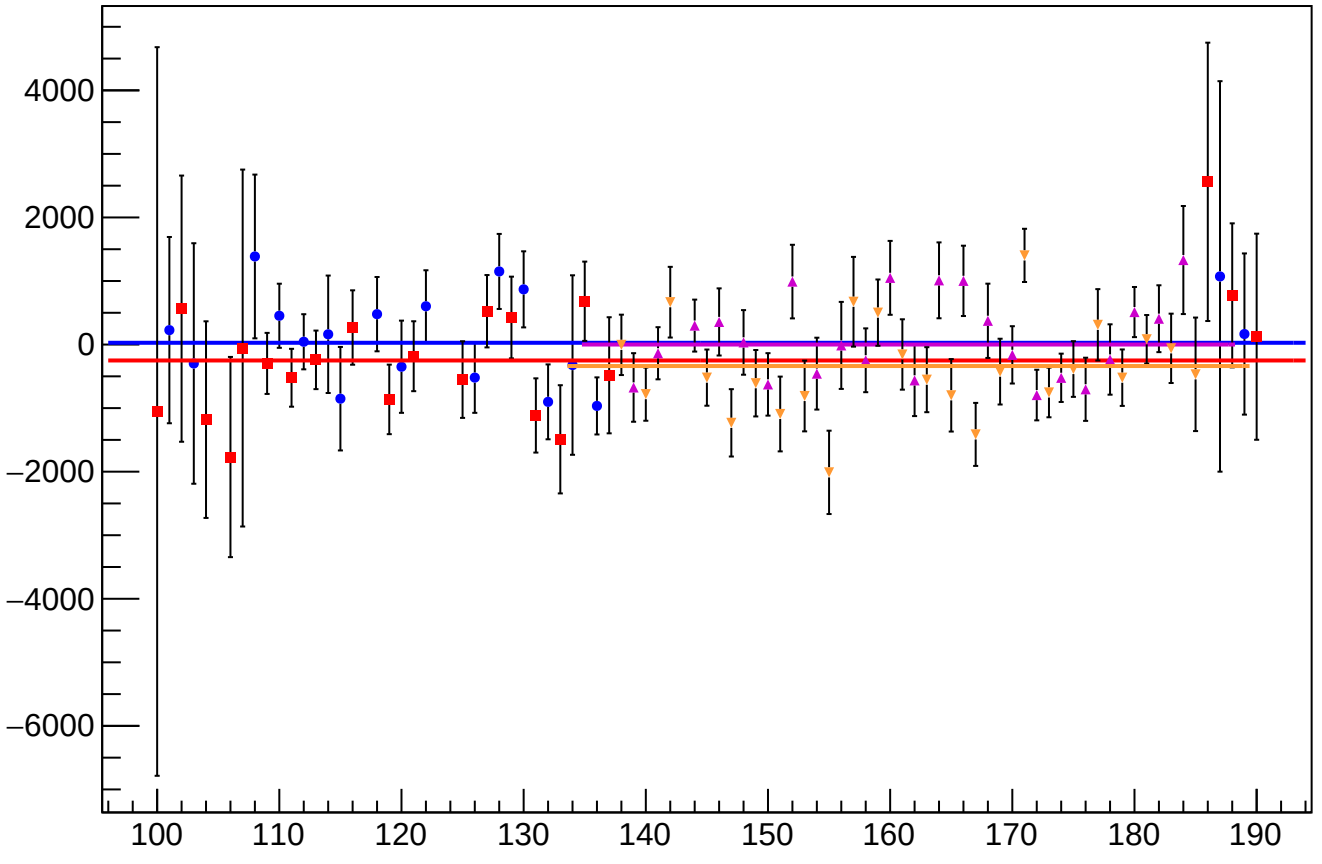
Right Out: 1134.312+/-0.272 χ^2/NDF: 228518.4/20

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1091.550+/-0.151 χ^2/NDF: 691737.4/41

All: 1095.470+/-0.106 χ^2/NDF: 998721.1/85

- sign 1099.324+/-0.150 χ^2/NDF: 305645.5/43



Right In: 28.026+/-159.734 χ^2/NDF: 19.1/17

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

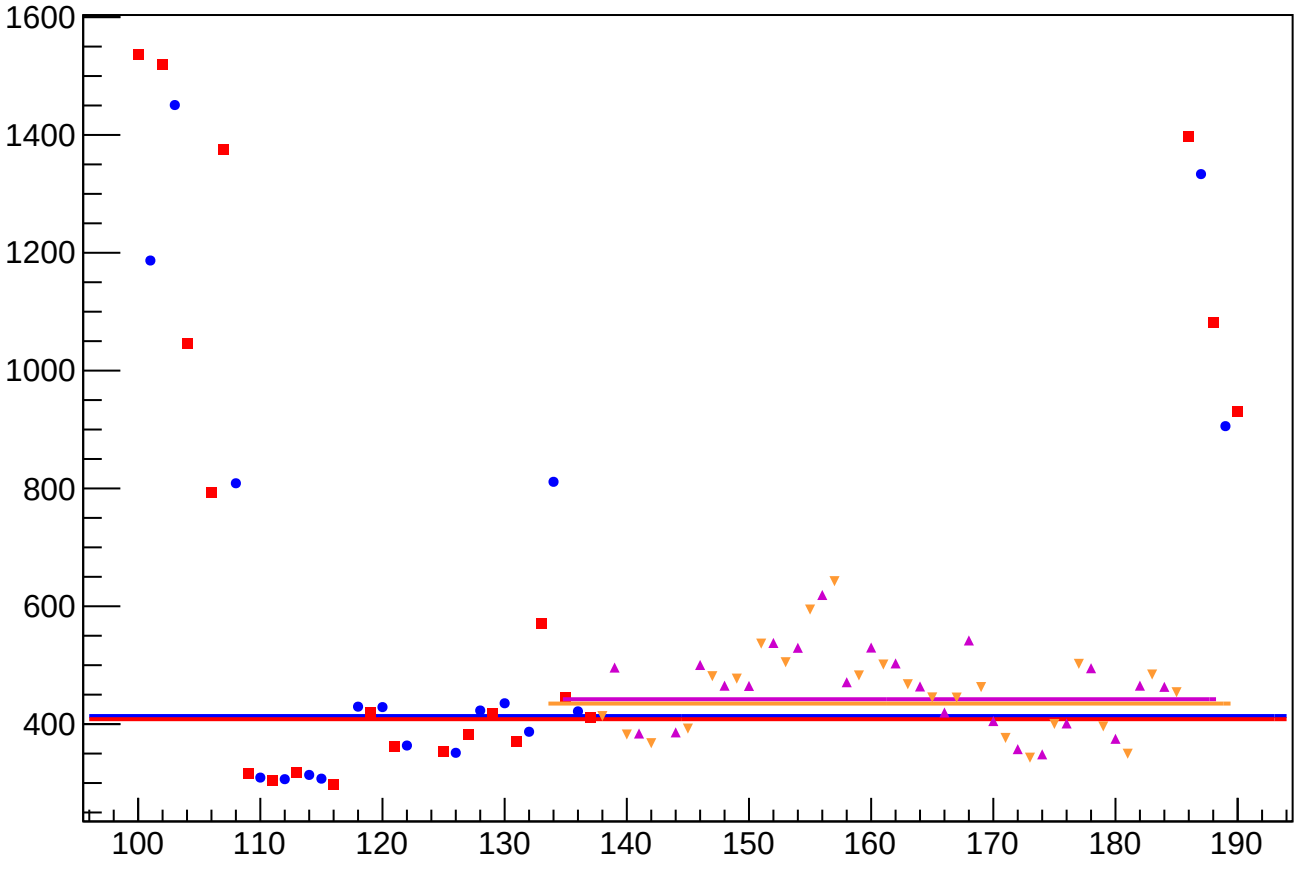
Right Out: -250.379+/-153.669 χ^2/NDF: 16.2/20

Left In: 0.567+/-104.733 χ^2/NDF:31.9/22

\+ sign -230.963+/-86.327 χ^2/NDF: 71.6/41

All: -155.186+/-61.119 χ^2/NDF: 123.0/85

\- sign -79.027+/-86.544 χ^2/NDF: 49.9/43



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: 408.351+/-0.109 χ^2/NDF: 3110260.7/20

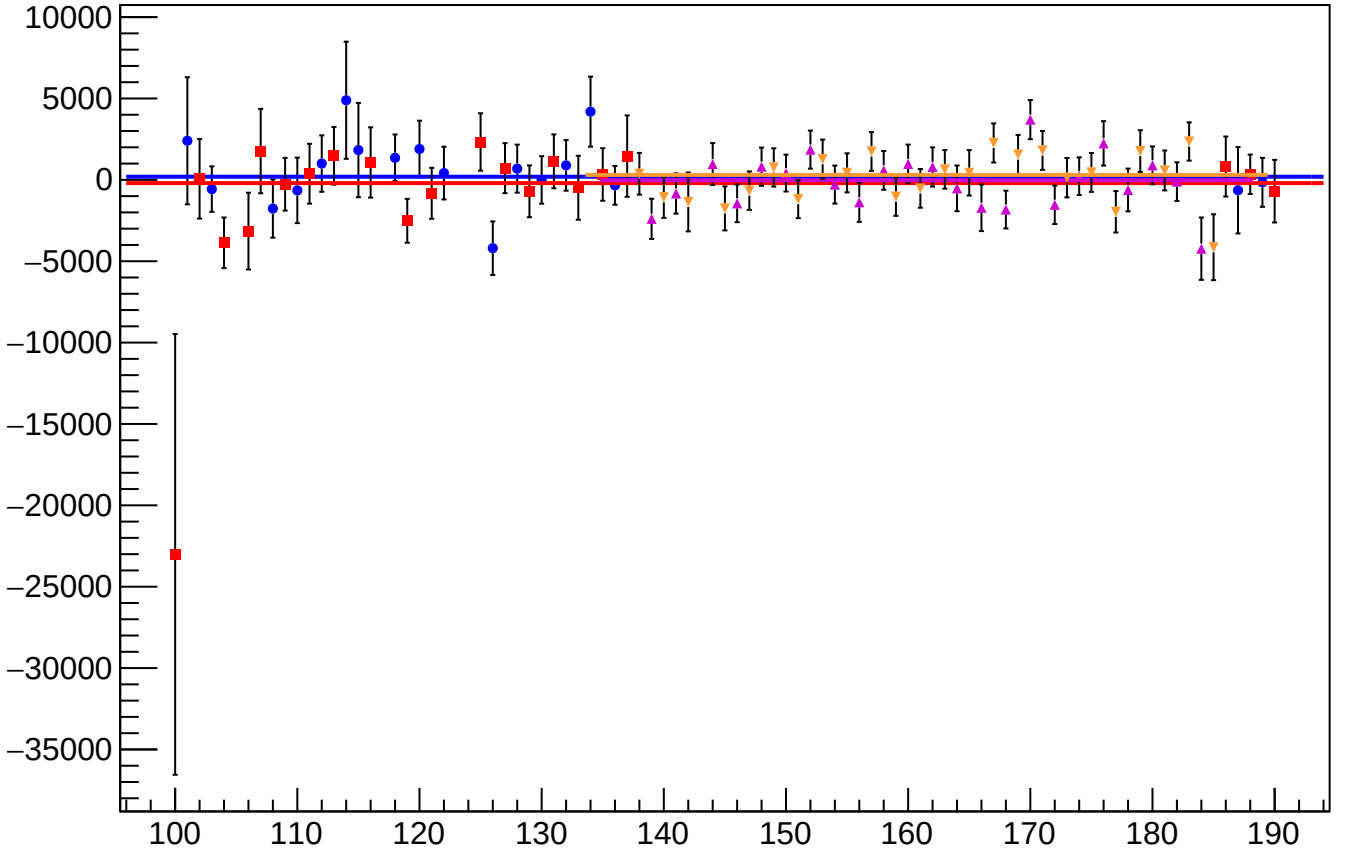
Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

\+ sign 428.668+/-0.061 χ^2/NDF: 3204399.1/41

All: 430.066+/-0.043 χ^2/NDF: 7207854.1/85

\- sign 431.470+/-0.061 χ^2/NDF: 4002403.8/43

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

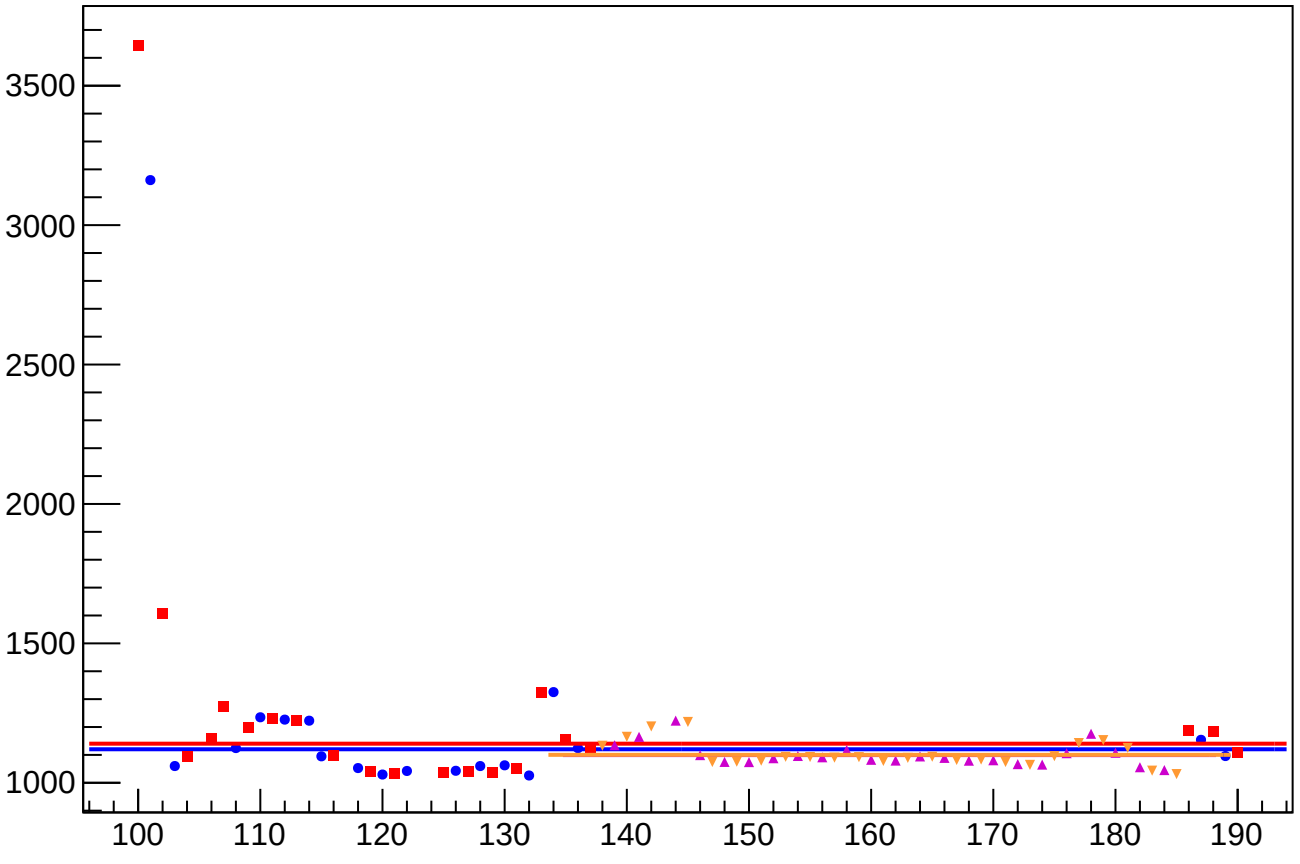
Right Out: -199.560+/-388.184 χ^2/NDF: 19.3/20

Left In: -25.319+/-256.866 χ^2/NDF:35.9/22

+ sign 271.657+/-216.217 χ^2/NDF: 45.7/41

All: 95.011+/-152.175 χ^2/NDF: 102.3/85

- sign -78.379+/-214.214 χ^2/NDF: 55.3/43



Right In: 1120.215+/-0.287 χ^2/NDF: 617887.8/17

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.1/23

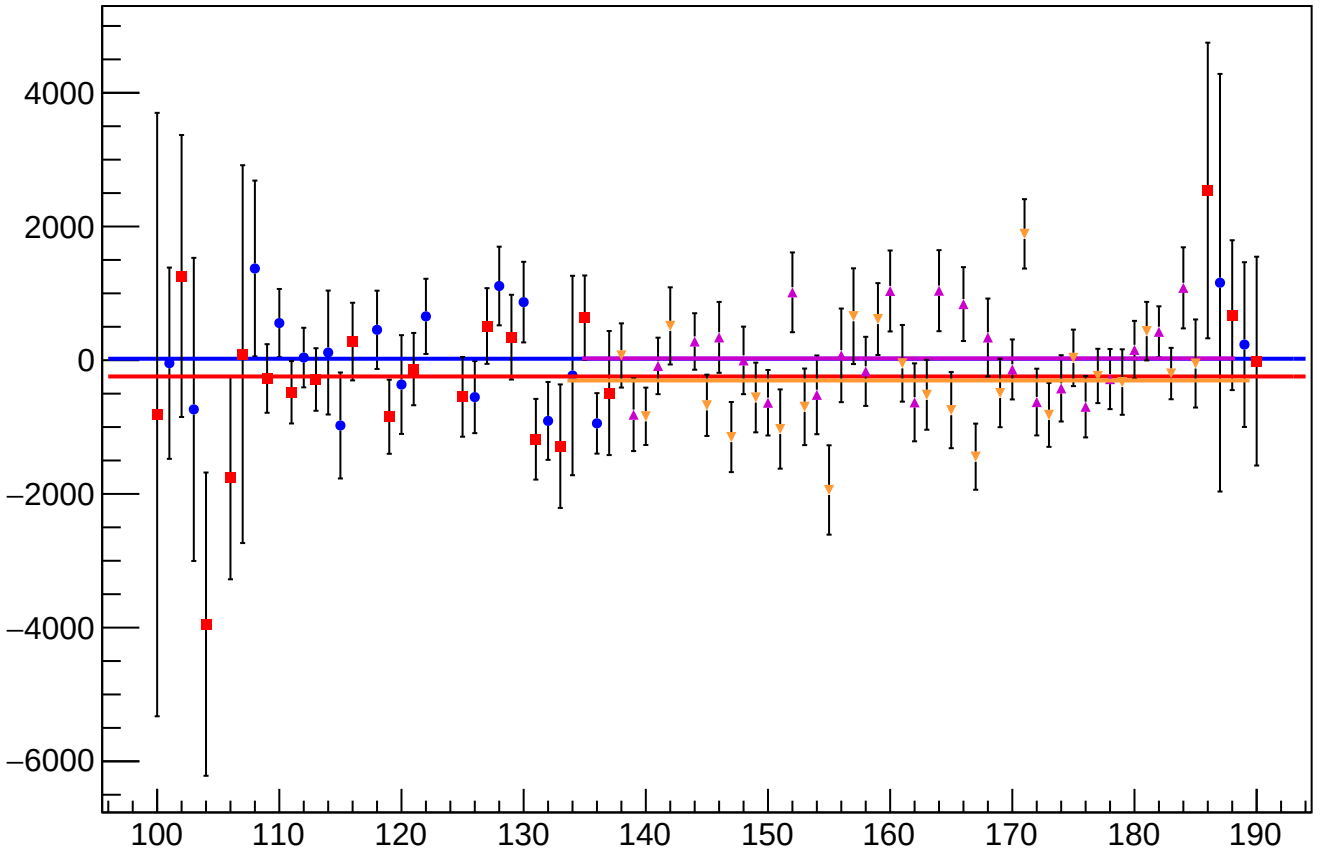
Right Out: 1140.265+/-0.274 χ^2/NDF: 232249.5/20

Left In: 1099.342+/-0.182 χ^2/NDF:44785.6/22

\+ sign 1105.929+/-0.153 χ^2/NDF: 670127.9/41

All: 1108.894+/-0.108 χ^2/NDF: 963366.9/85

\- sign 1111.804+/-0.151 χ^2/NDF: 292493.9/43



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: -243.115+/-156.075 χ^2/NDF: 17.4/20

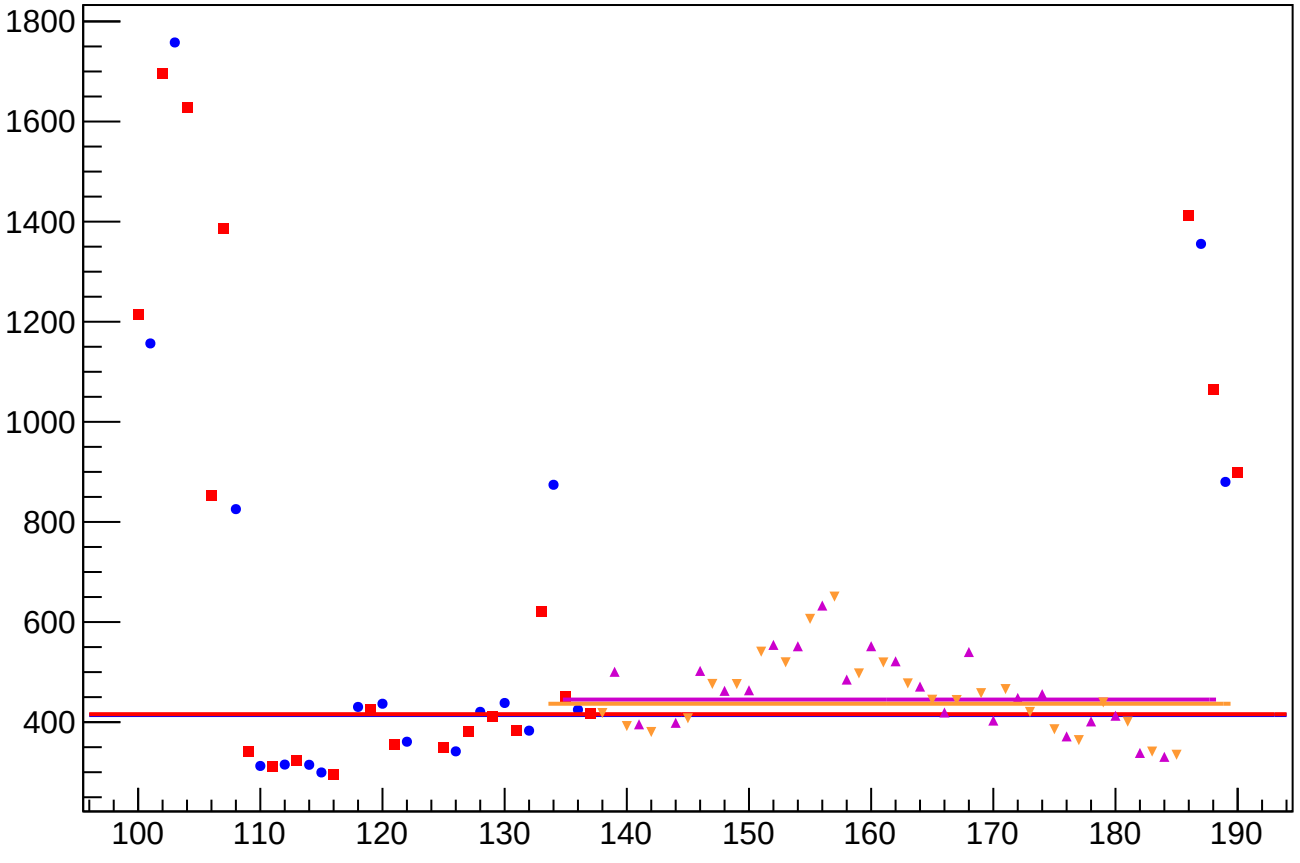
Left In: 26.740+/-105.420 χ^2/NDF:27.9/22

+ sign -208.174+/-86.634 χ^2/NDF: 72.2/41

All: -133.616+/-61.515 χ^2/NDF: 121.0/85

- sign -57.804+/-87.359 χ^2/NDF: 47.3/43

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: 415.951+/-0.110 χ^2/NDF: 3509998.6/20

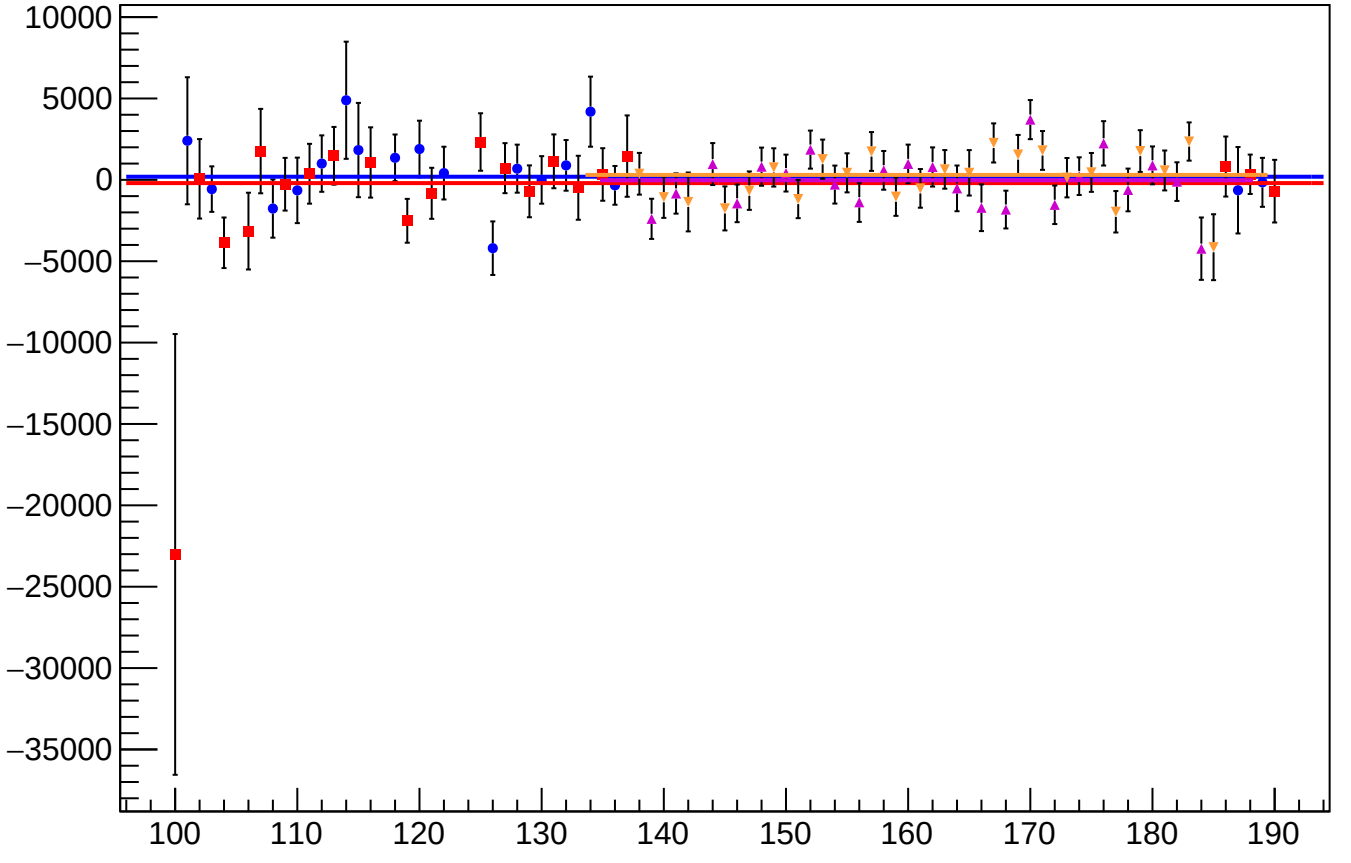
Left In: 445.109+/-0.075 χ^2/NDF:874534.9/22

+ sign 430.191+/-0.061 χ^2/NDF: 3288765.0/41

All: 433.058+/-0.043 χ^2/NDF: 7725650.5/85

- sign 435.974+/-0.062 χ^2/NDF: 4432466.7/43

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: -199.561+/-388.184 χ^2/NDF: 19.3/20

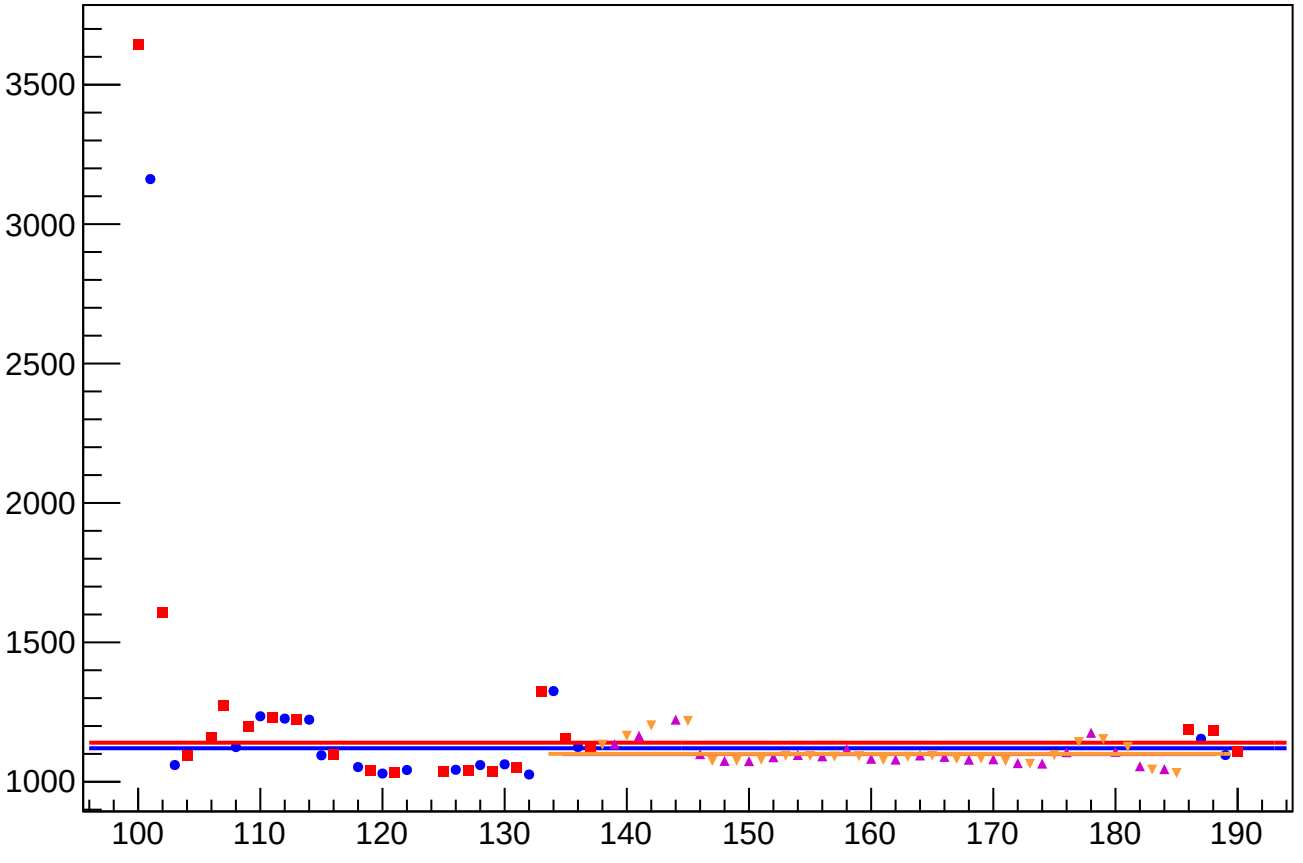
Left In: -25.320+/-256.866 χ^2/NDF:35.9/22

+ sign 271.656+/-216.217 χ^2/NDF: 45.7/41

All: 95.010+/-152.175 χ^2/NDF: 102.3/85

- sign -78.380+/-214.214 χ^2/NDF: 55.3/43

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

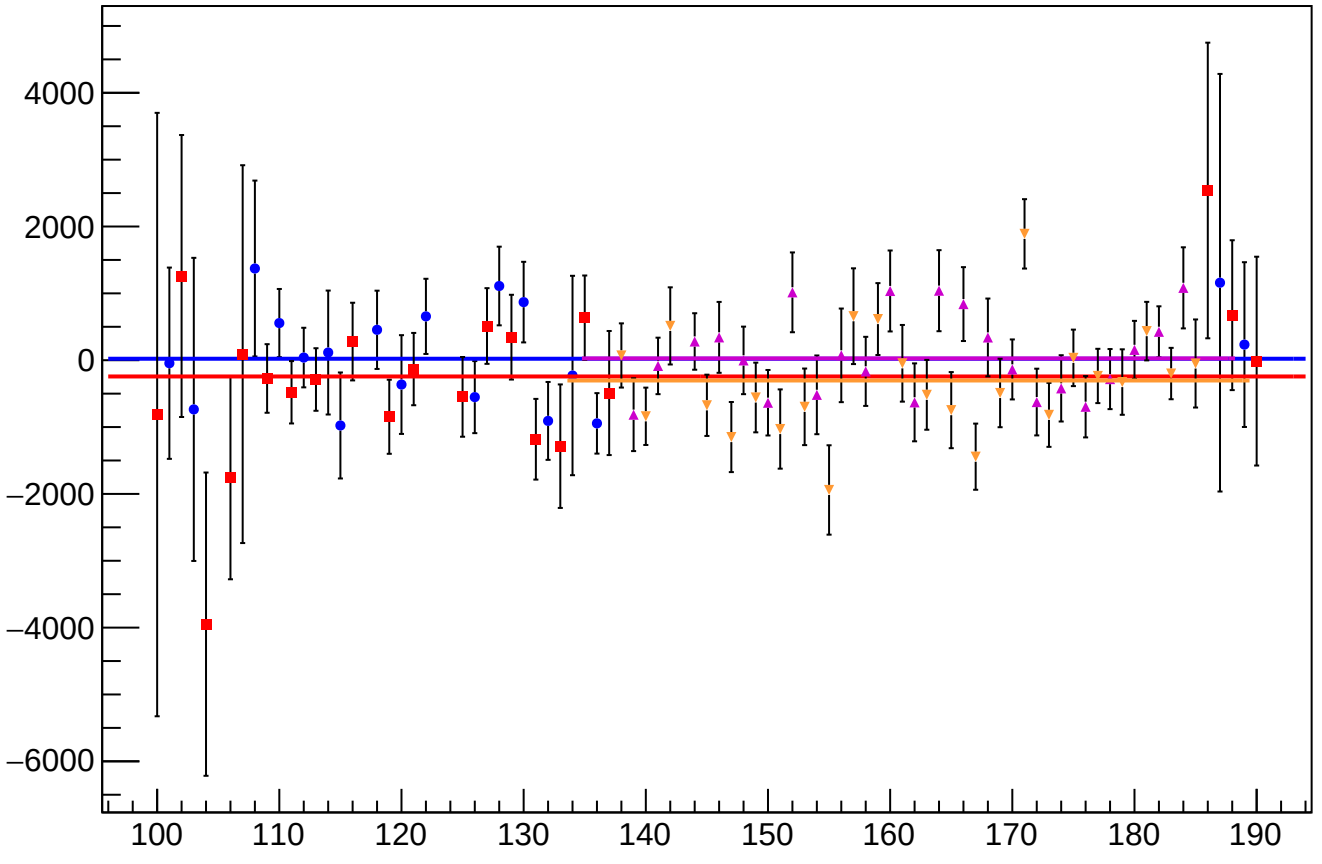
Right Out: 1140.265+/-0.274 χ^2/NDF: 232249.5/20

Left In: 1099.342+/-0.182 χ^2/NDF:44785.7/22

+ sign 1105.929+/-0.153 χ^2/NDF: 670128.2/41

All: 1108.894+/-0.108 χ^2/NDF: 963367.3/85

- sign 1111.804+/-0.151 χ^2/NDF: 292494.1/43



Right In: 21.991+/-160.255 χ^2/NDF: 19.8/17

Left Out: -303.218+/-102.979 χ^2/NDF:49.5/23

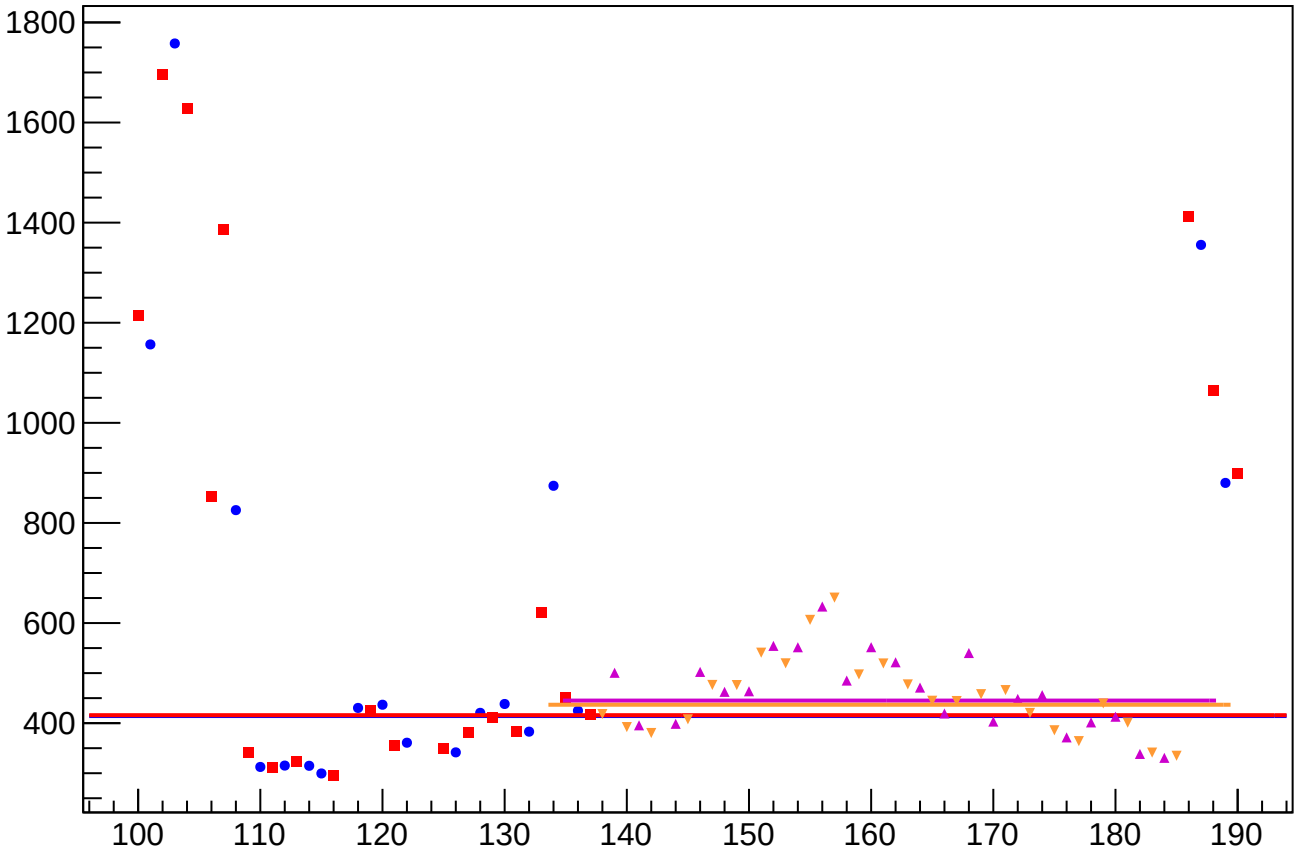
Right Out: -243.112+/-156.074 χ^2/NDF: 17.4/20

Left In: 26.739+/-105.420 χ^2/NDF:27.9/22

+ sign -208.175+/-86.634 χ^2/NDF: 72.2/41

All: -133.616+/-61.514 χ^2/NDF: 121.0/85

- sign -57.804+/-87.359 χ^2/NDF: 47.3/43



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: 415.948+/-0.110 χ^2/NDF: 3510010.4/20

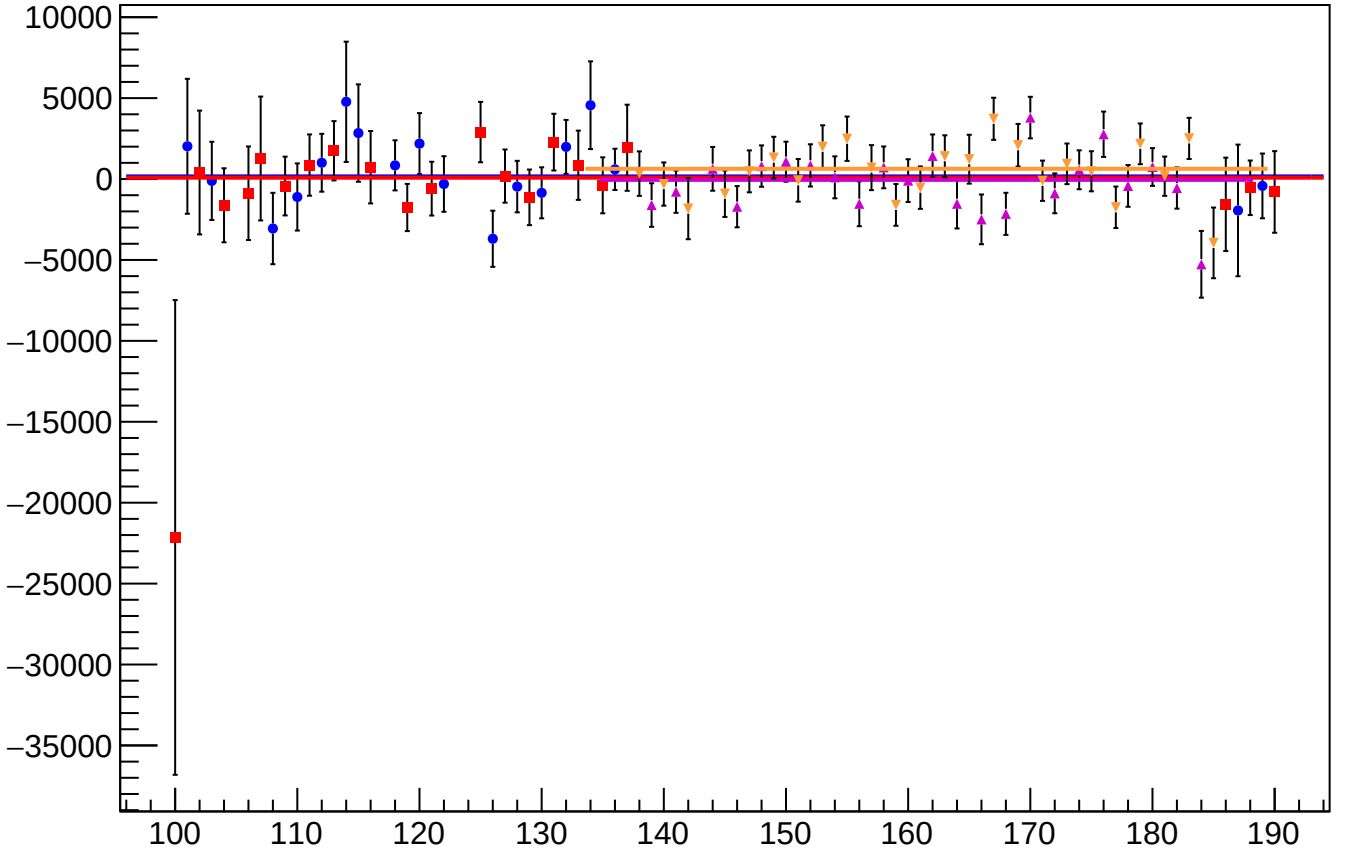
Left In: 445.108+/-0.075 χ^2/NDF:874568.8/22

+ sign 430.190+/-0.061 χ^2/NDF: 3288800.3/41

All: 433.057+/-0.043 χ^2/NDF: 7725741.3/85

- sign 435.972+/-0.062 χ^2/NDF: 4432522.6/43

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: 82.758+/-446.779 χ^2/NDF: 11.6/20

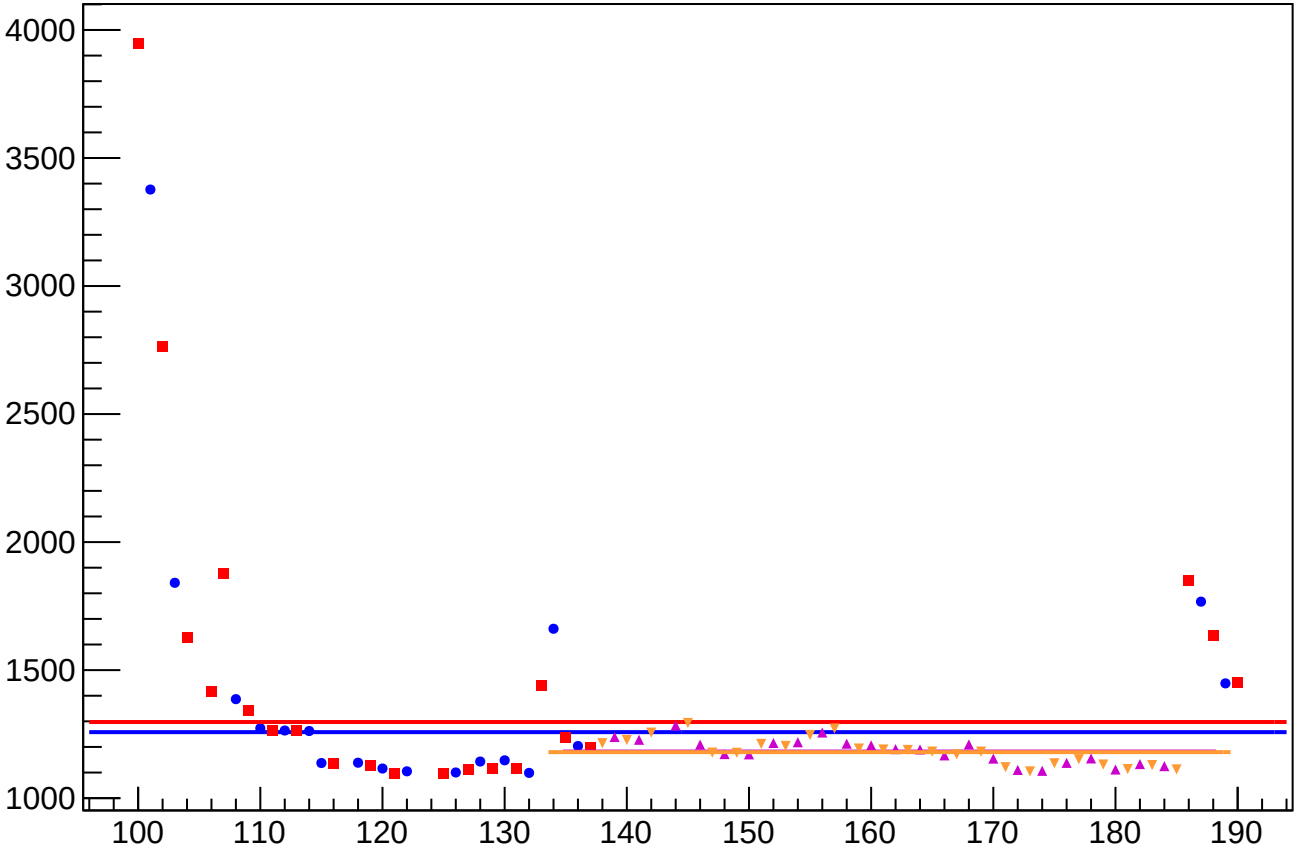
Left In: -50.835+/-276.213 χ^2/NDF:35.0/22

+ sign 509.322+/-235.280 χ^2/NDF: 47.4/41

All: 247.336+/-166.247 χ^2/NDF: 96.6/85

- sign -13.894+/-234.940 χ^2/NDF: 46.7/43

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

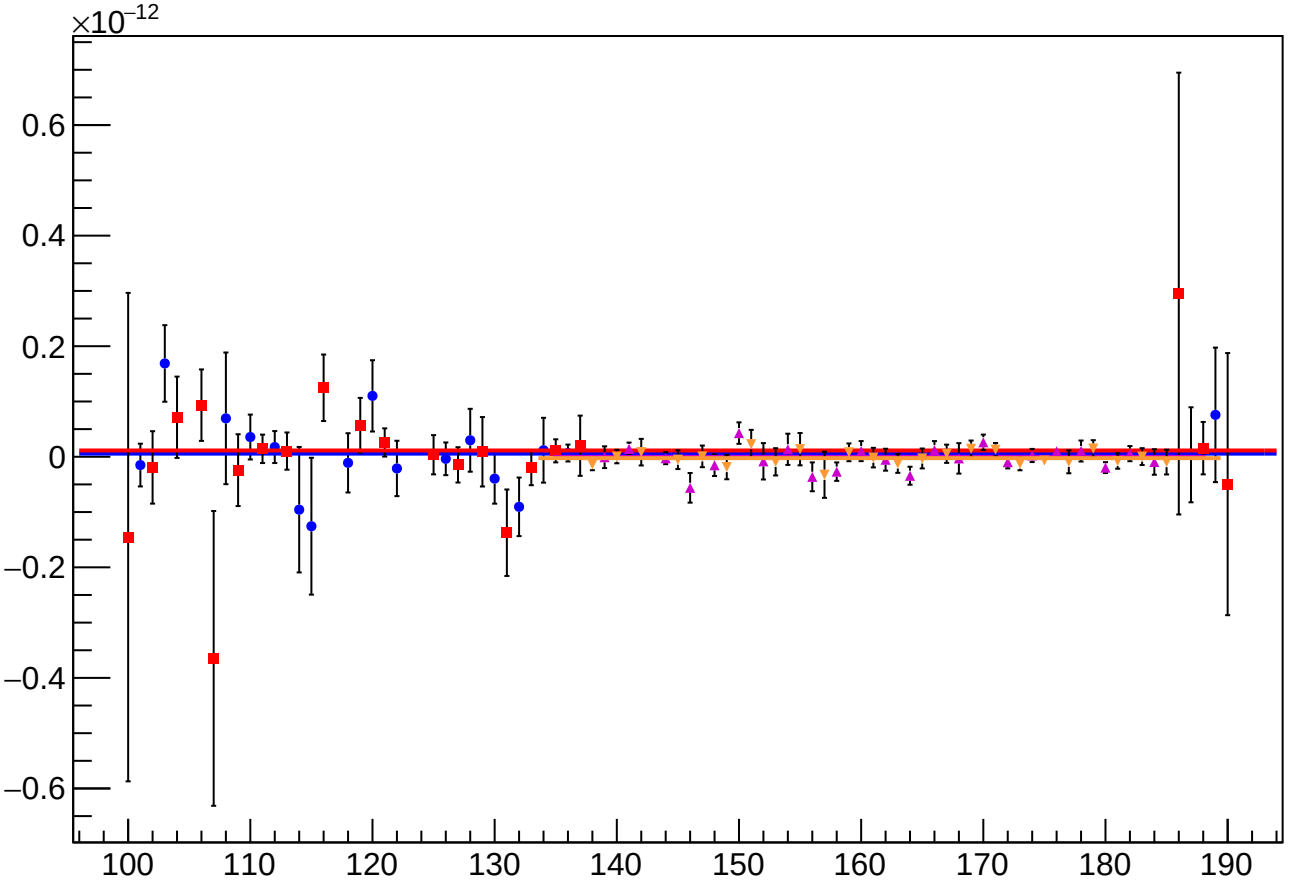
Right Out: 1297.330+/-0.316 χ^2/NDF: 787839.2/20

Left In: 1181.929+/-0.195 χ^2/NDF:60355.9/22

+ sign 1200.248+/-0.166 χ^2/NDF: 942343.5/41

All: 1207.054+/-0.118 χ^2/NDF: 1890417.6/85

- sign 1213.840+/-0.166 χ^2/NDF: 944732.1/43



Right In: 0.000+/-0.000 χ^2/NDF: 16.7/17

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/23

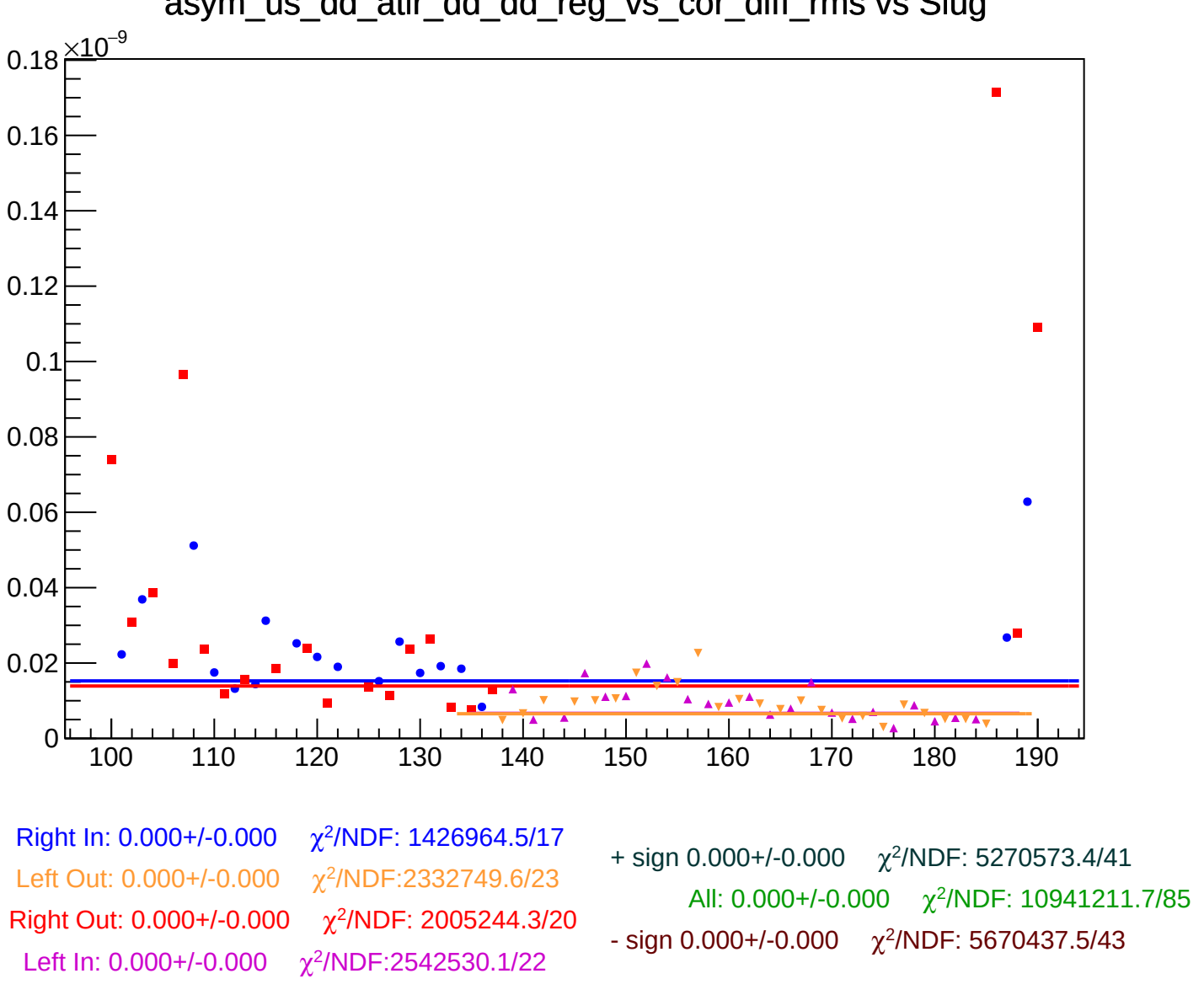
Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/20

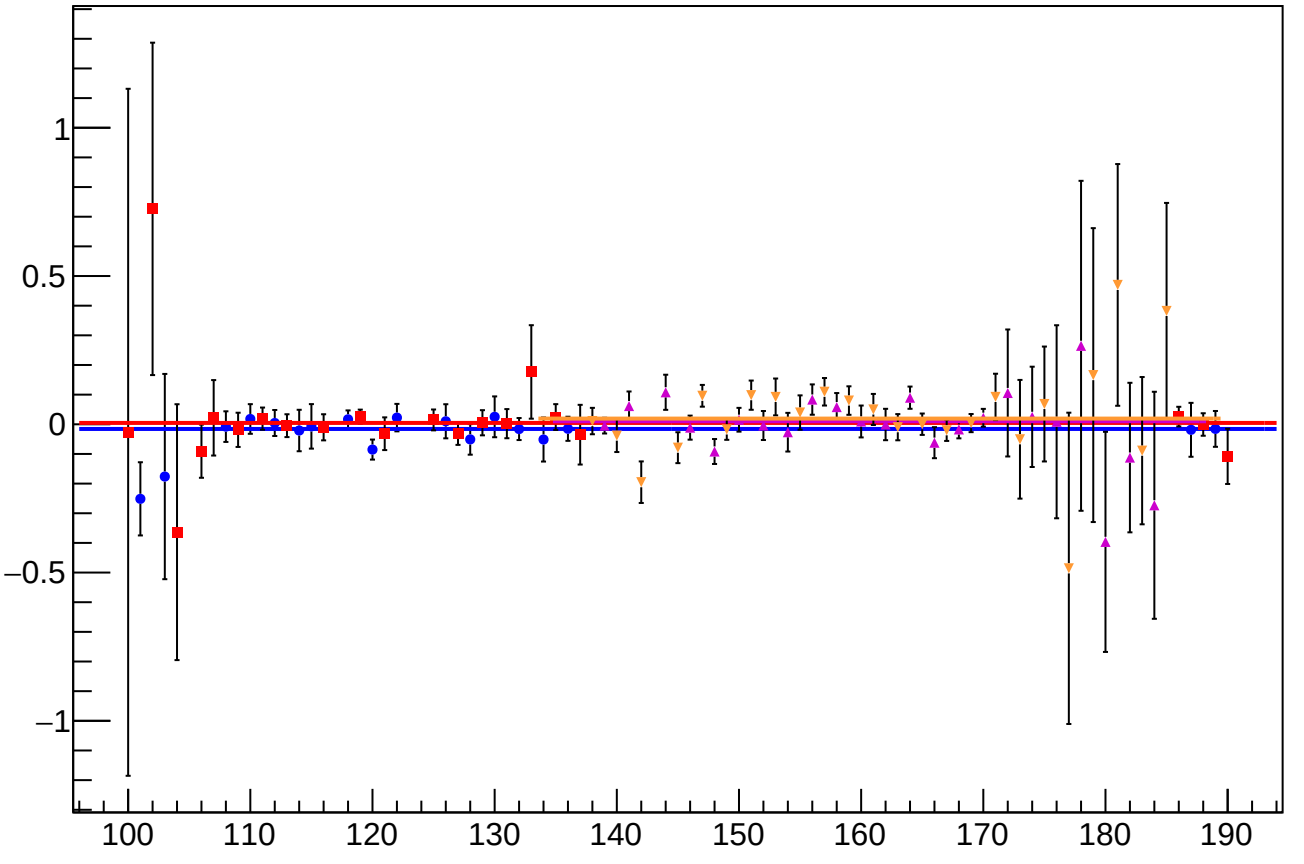
Left In: -0.000+/-0.000 χ^2/NDF:32.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 27.9/41

All: -0.000+/-0.000 χ^2/NDF: 77.9/85

- sign 0.000+/-0.000 χ^2/NDF: 49.6/43


asym_us_dd_atlr_dd_dd_reg_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: 1426964.5/17
Left Out: 0.000+/-0.000 χ²/NDF:2332749.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 2005244.3/20
Left In: 0.000+/-0.000 χ²/NDF:2542530.1/22
+ sign 0.000+/-0.000 χ²/NDF: 5270573.4/41
All: 0.000+/-0.000 χ²/NDF: 10941211.7/85
- sign 0.000+/-0.000 χ²/NDF: 5670437.5/43



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/17

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

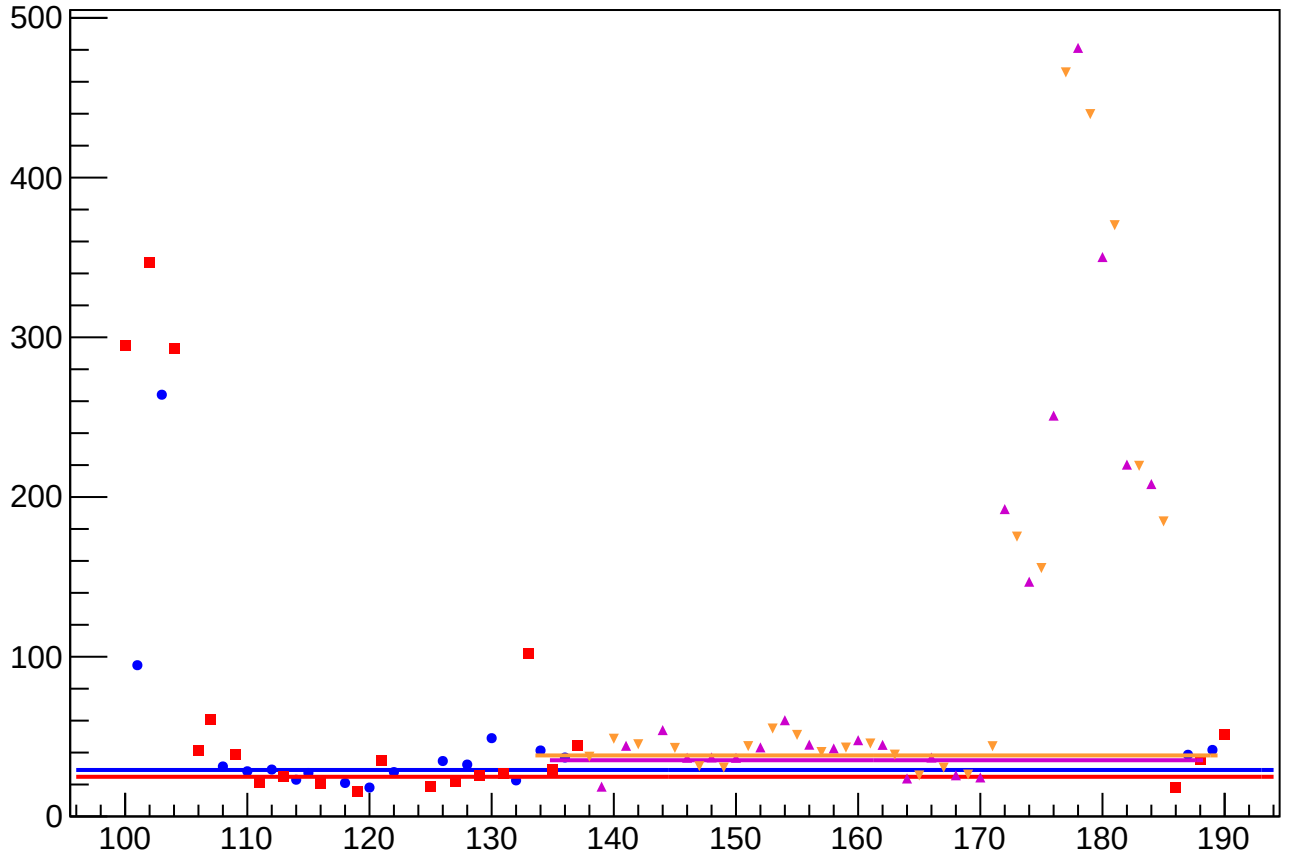
Right Out: 0.005+/-0.010 χ^2/NDF: 9.8/20

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: 86.2/85

- sign 0.007+/-0.007 χ^2/NDF: 33.5/43



Right In: 29.106+/-0.008 χ^2/NDF: 2360201.2/17

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

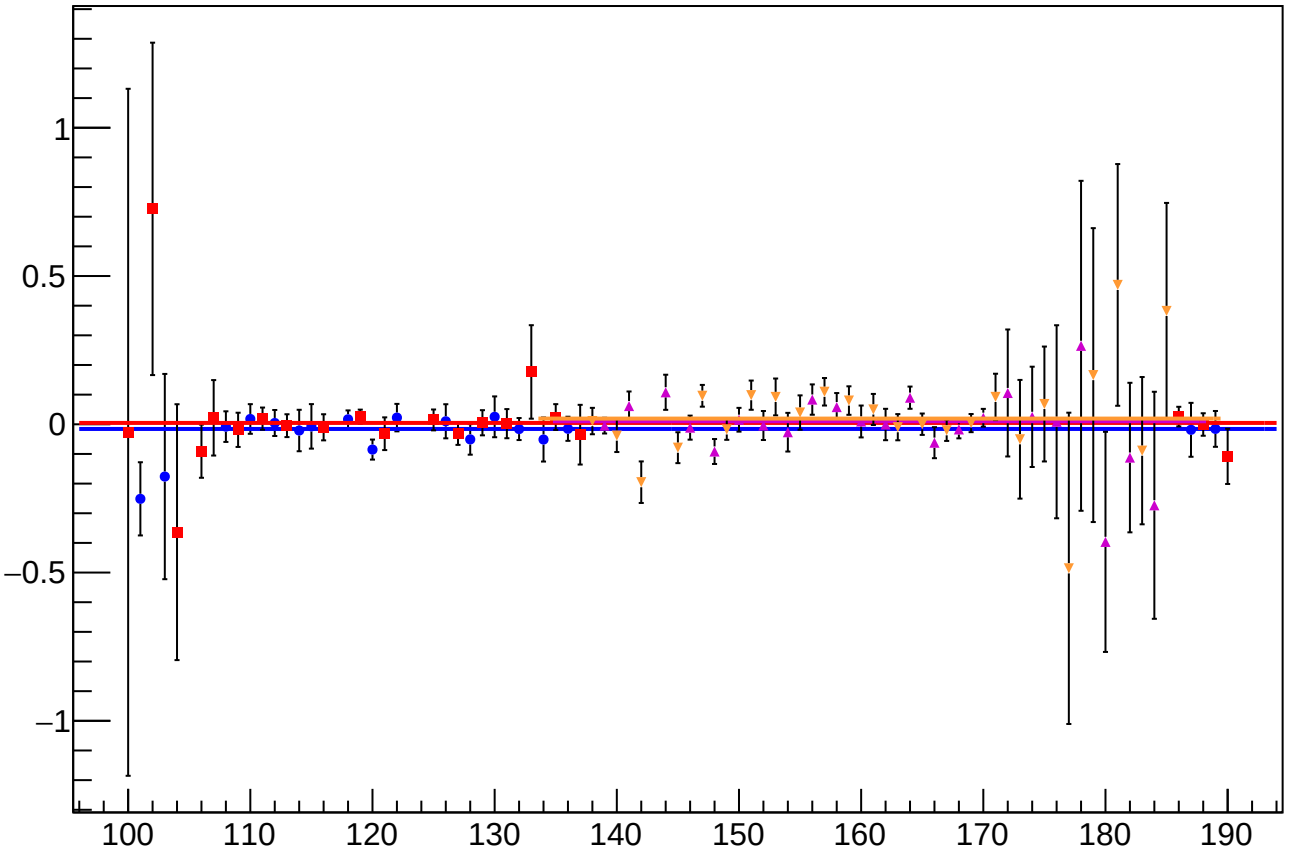
Right Out: 24.830+/-0.007 χ^2/NDF: 3341248.6/20

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

+ sign 34.116+/-0.006 χ^2/NDF: 11283571.9/41

All: 31.887+/-0.004 χ^2/NDF: 25311106.7/85

- sign 30.048+/-0.005 χ^2/NDF: 13745283.6/43



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/17

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

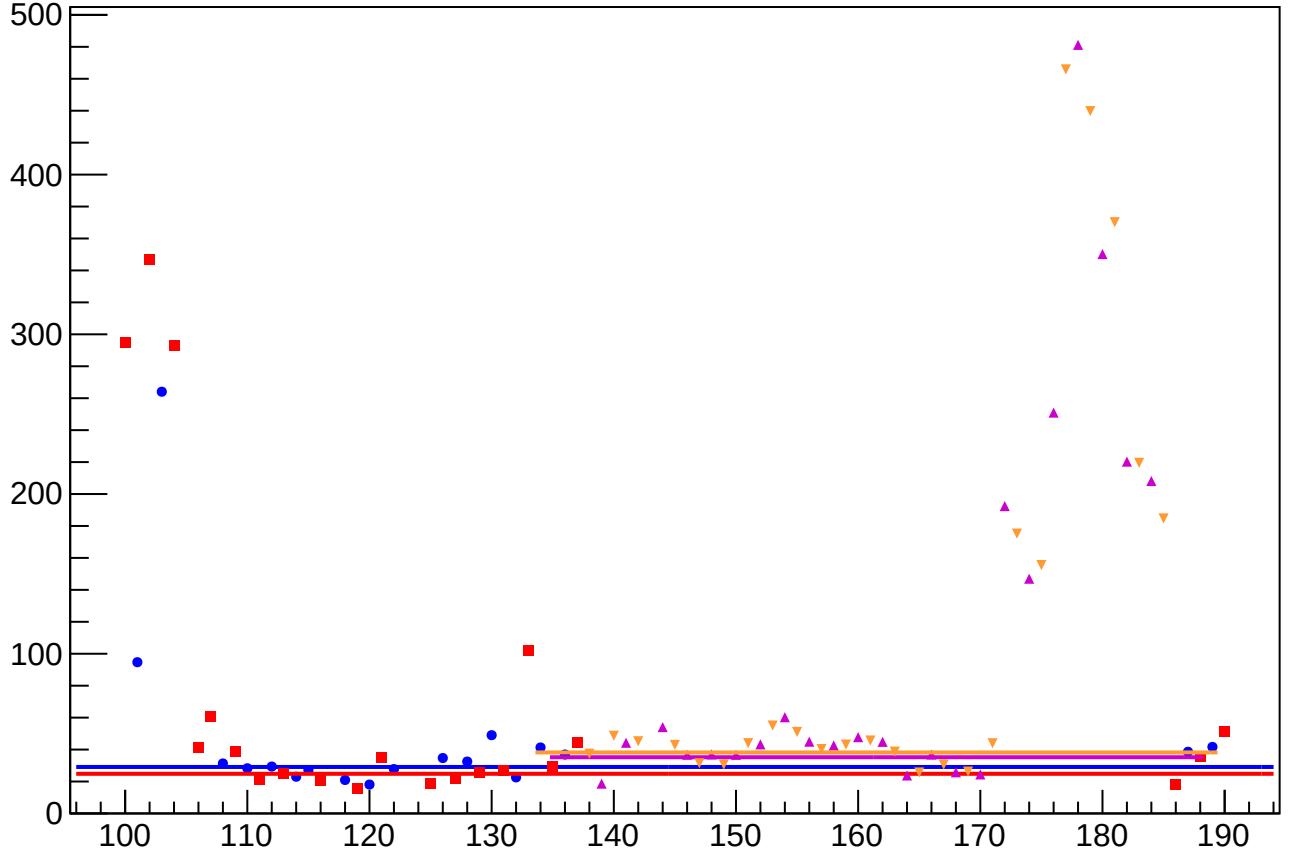
Right Out: 0.005+/-0.010 χ^2/NDF: 9.8/20

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: 86.2/85

- sign 0.007+/-0.007 χ^2/NDF: 33.5/43



Right In: 29.106+/-0.008 χ^2/NDF: 2360201.2/17

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

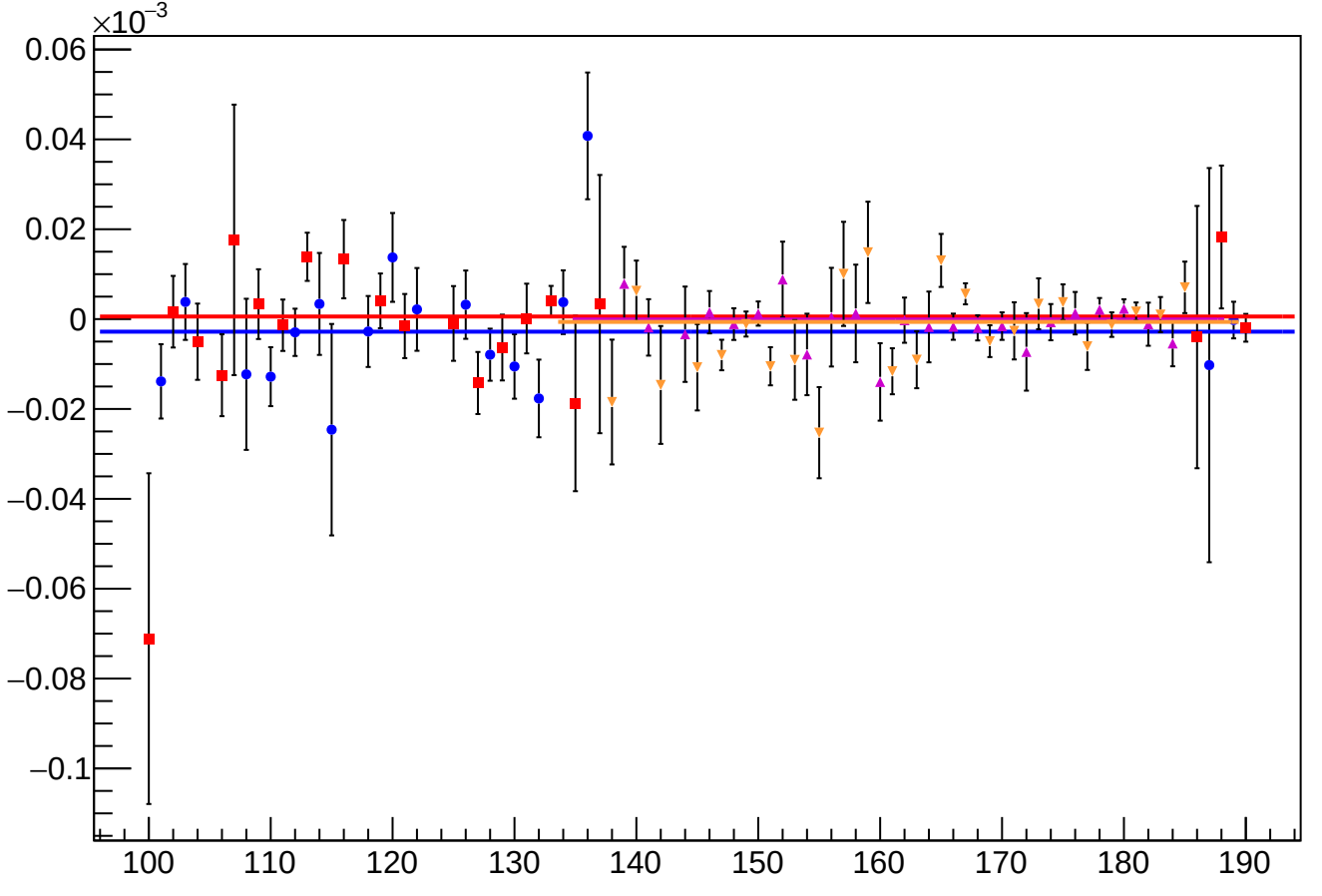
Right Out: 24.830+/-0.007 χ^2/NDF: 3341248.6/20

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

+ sign 34.116+/-0.006 χ^2/NDF: 11283571.9/41

All: 31.887+/-0.004 χ^2/NDF: 25311106.7/85

- sign 30.048+/-0.005 χ^2/NDF: 13745283.6/43



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/17

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

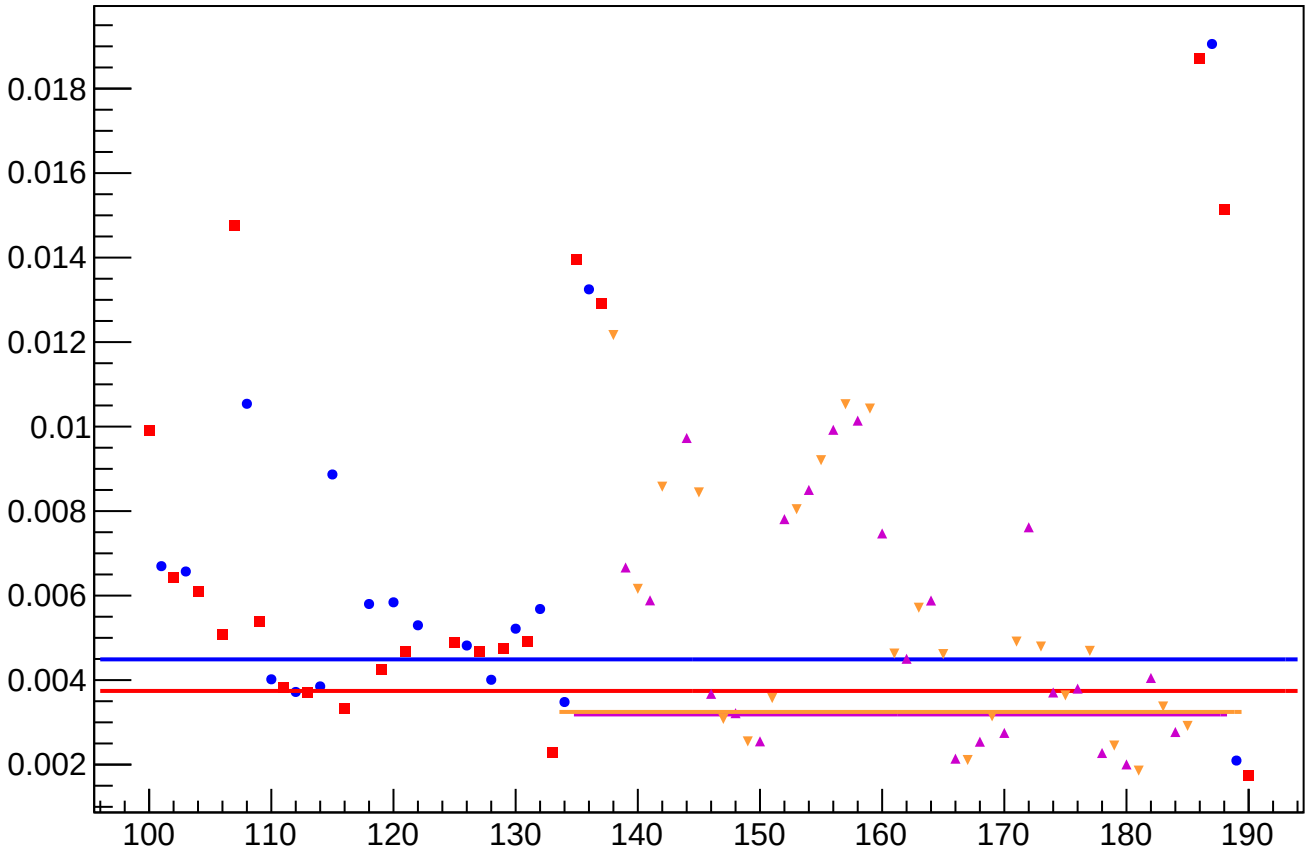
Right Out: 0.000+/-0.000 χ^2/NDF: 25.0/20

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: 115.2/85

- sign 0.000+/-0.000 χ^2/NDF: 36.2/43



Right In: 0.004+/-0.000 χ^2/NDF: 2557718.9/17

Left Out: 0.003+/-0.000 χ^2/NDF:7736973.1/23

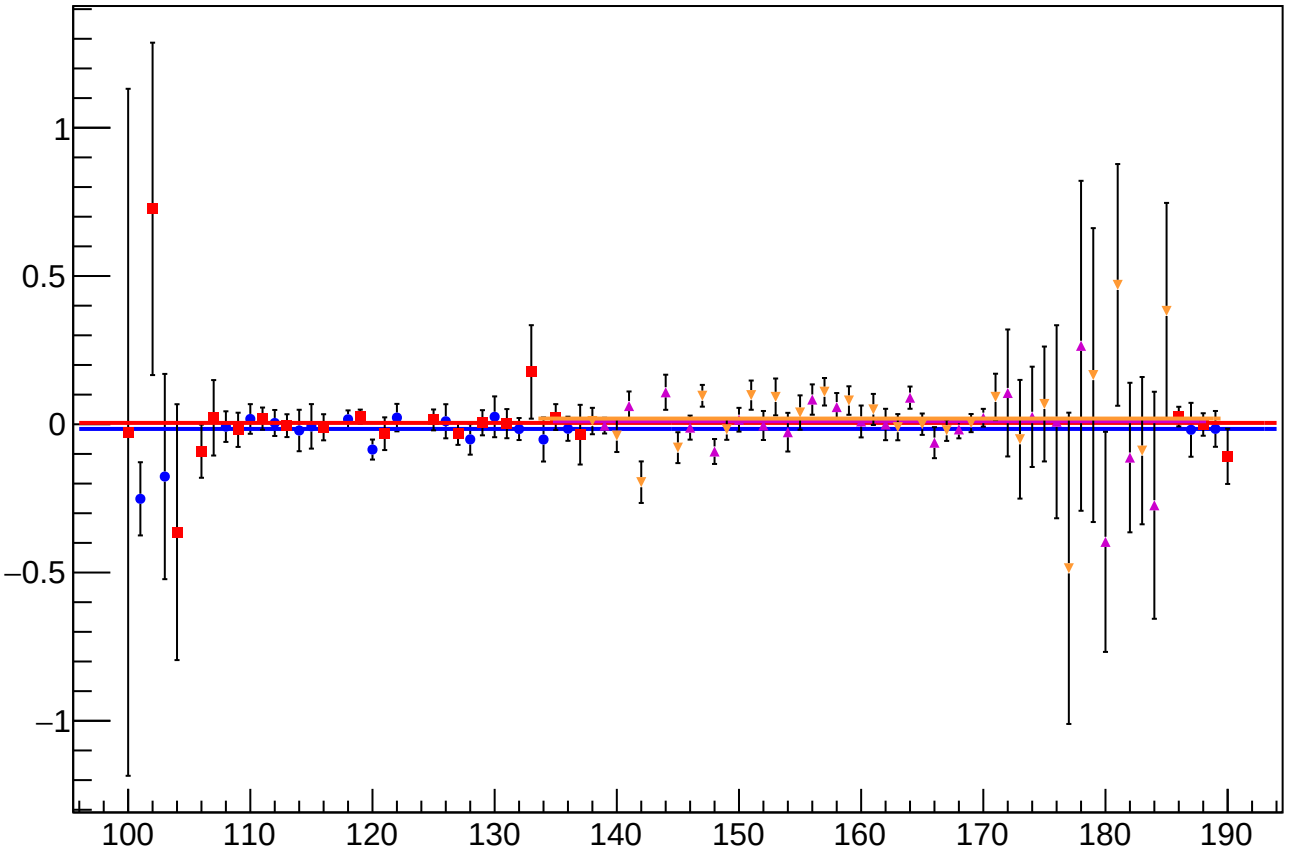
Right Out: 0.004+/-0.000 χ^2/NDF: 4563803.5/20

Left In: 0.003+/-0.000 χ^2/NDF:7301771.9/22

+ sign 0.003+/-0.000 χ^2/NDF: 11062248.5/41

All: 0.003+/-0.000 χ^2/NDF: 23177543.3/85

- sign 0.003+/-0.000 χ^2/NDF: 12076544.2/43



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/17

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

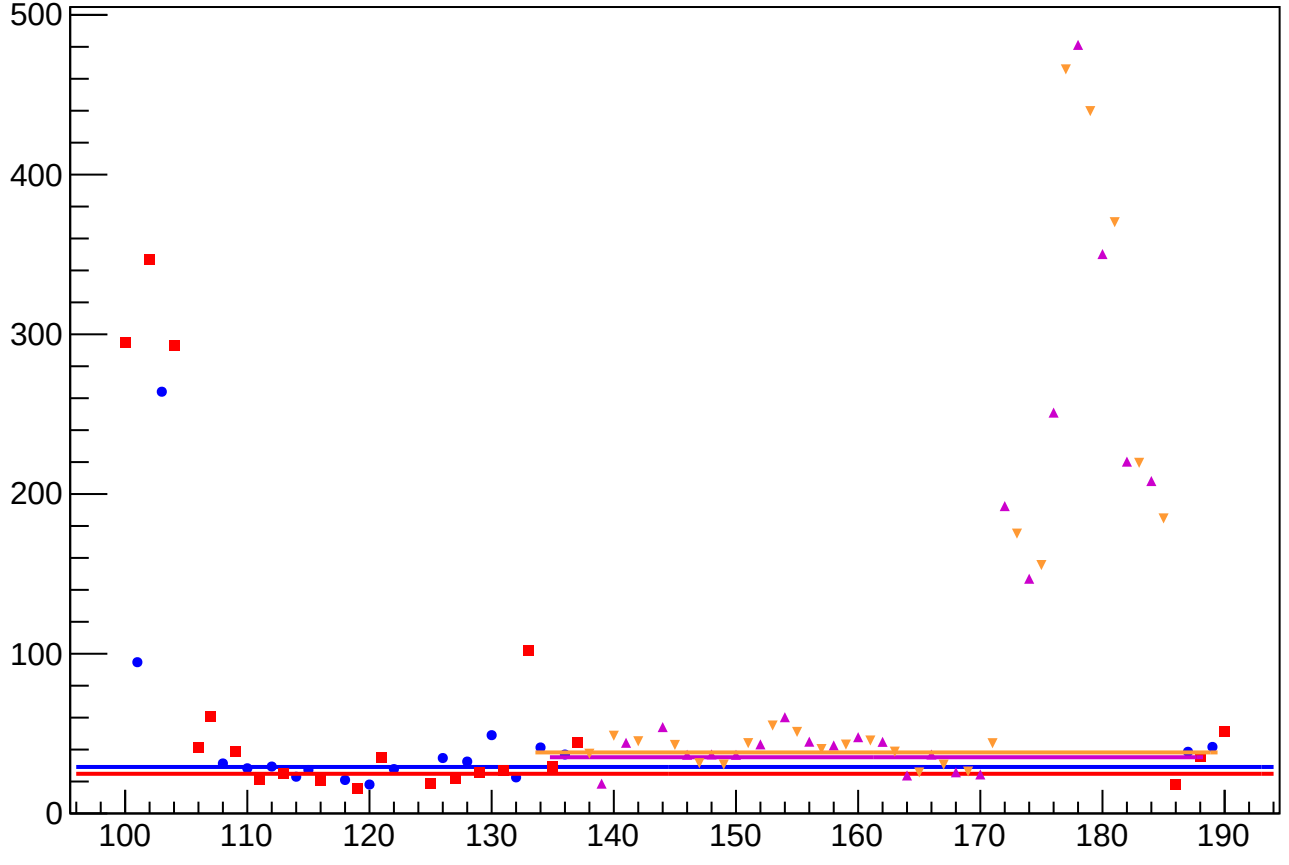
Right Out: 0.005+/-0.010 χ^2/NDF: 9.8/20

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: 86.2/85

- sign 0.007+/-0.007 χ^2/NDF: 33.5/43



Right In: 29.106+/-0.008 χ^2/NDF: 2360184.1/17

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

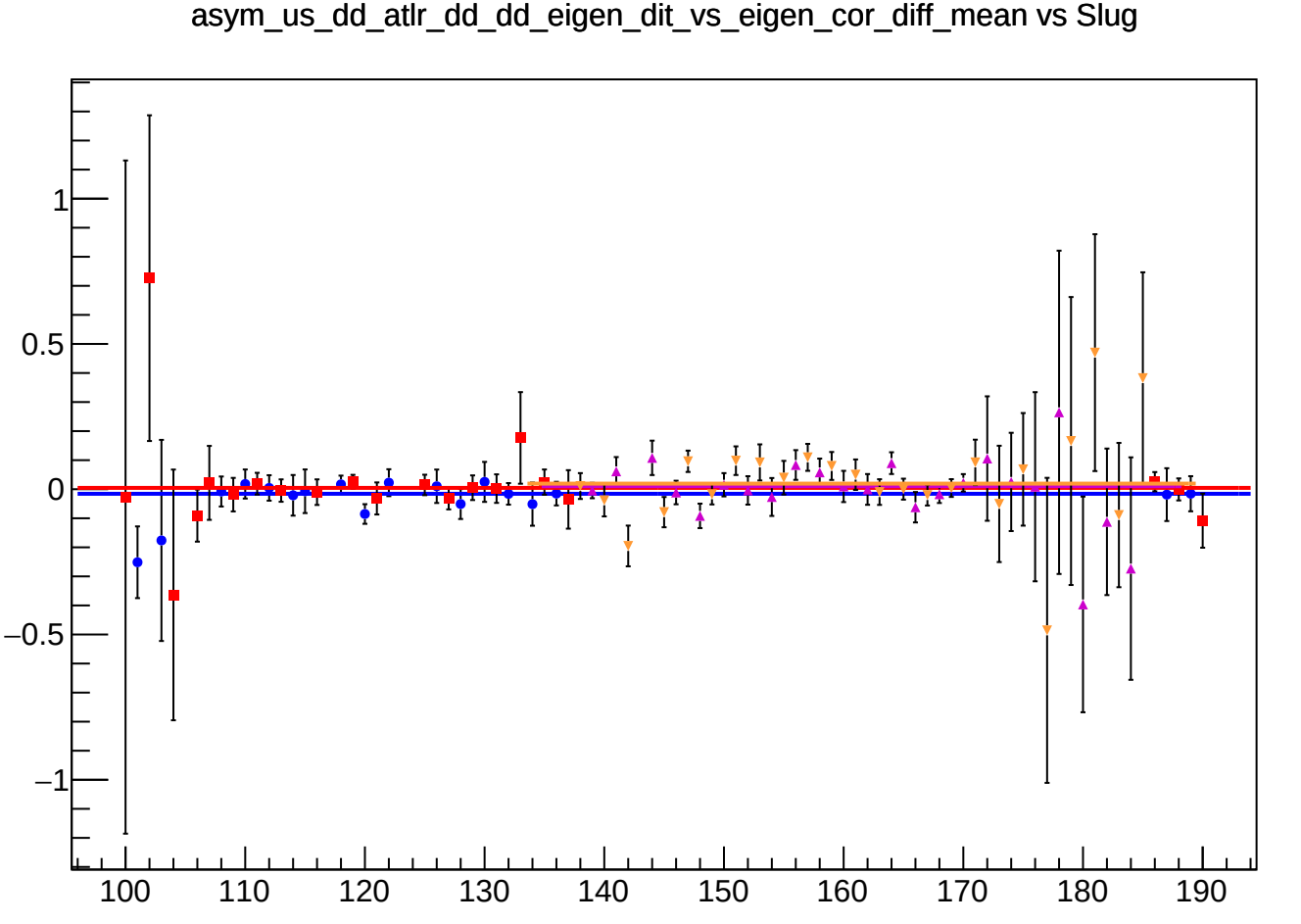
Right Out: 24.828+/-0.007 χ^2/NDF: 3341490.0/20

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

+ sign 34.116+/-0.006 χ^2/NDF: 11283706.8/41

All: 31.886+/-0.004 χ^2/NDF: 25312499.4/85

- sign 30.046+/-0.005 χ^2/NDF: 13746363.1/43



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/17

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

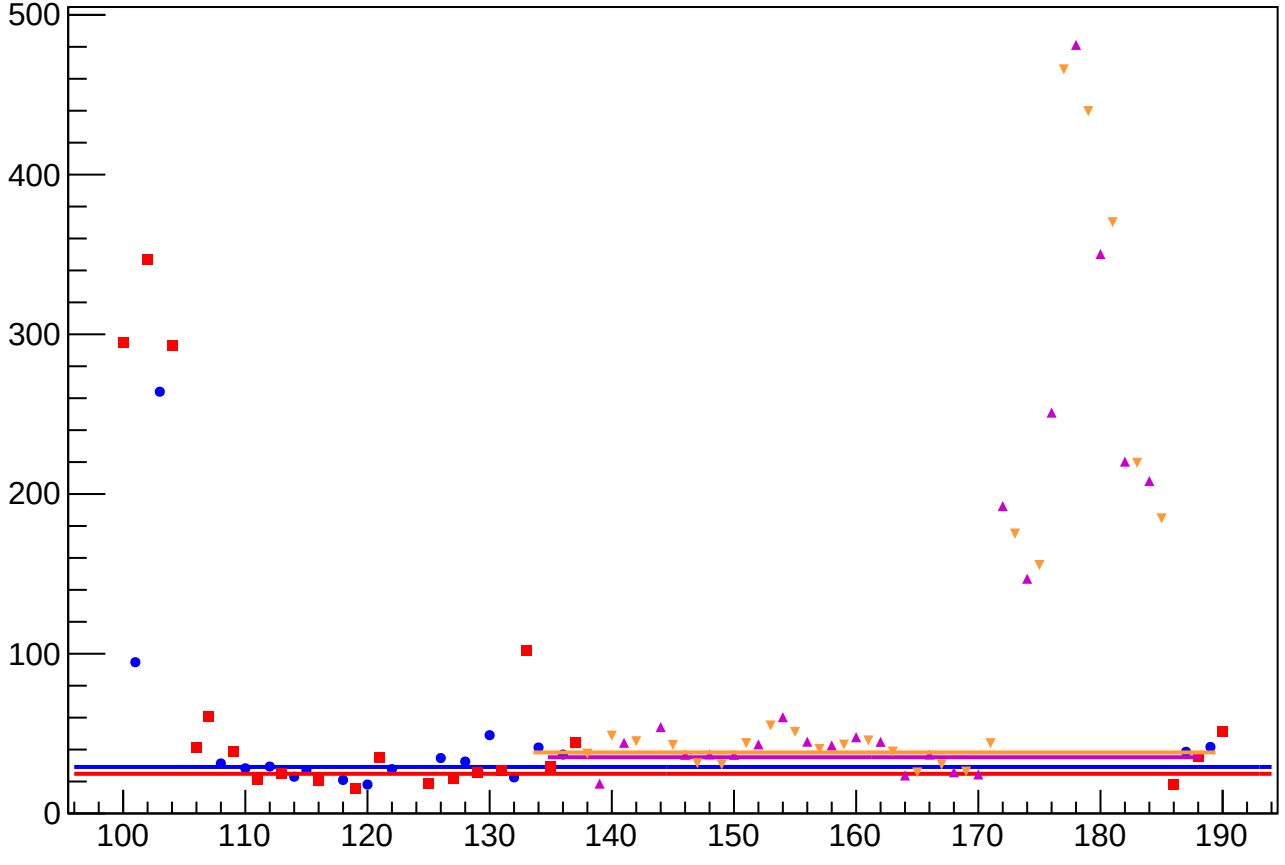
Right Out: 0.005+/-0.010 χ^2/NDF: 9.8/20

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: 86.2/85

- sign 0.007+/-0.007 χ^2/NDF: 33.5/43



Right In: 29.106+/-0.008 χ^2/NDF: 2360184.1/17

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

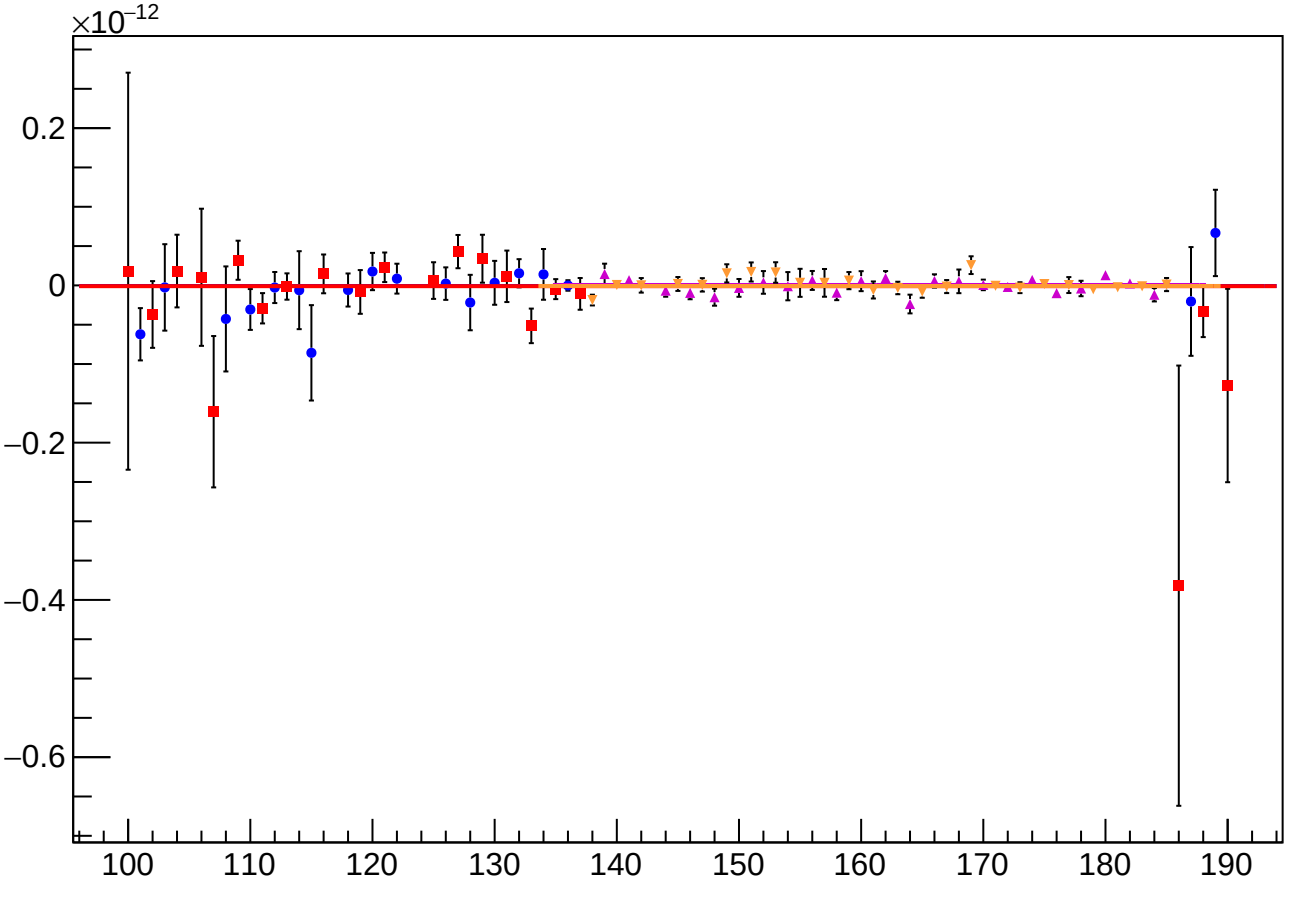
Right Out: 24.828+/-0.007 χ^2/NDF: 3341490.0/20

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

+ sign 34.116+/-0.006 χ^2/NDF: 11283706.8/41

All: 31.886+/-0.004 χ^2/NDF: 25312499.4/85

- sign 30.046+/-0.005 χ^2/NDF: 13746363.1/43



Right In: -0.000+/-0.000 χ^2/NDF: 11.0/17

Left Out: -0.000+/-0.000 χ^2/NDF:21.1/23

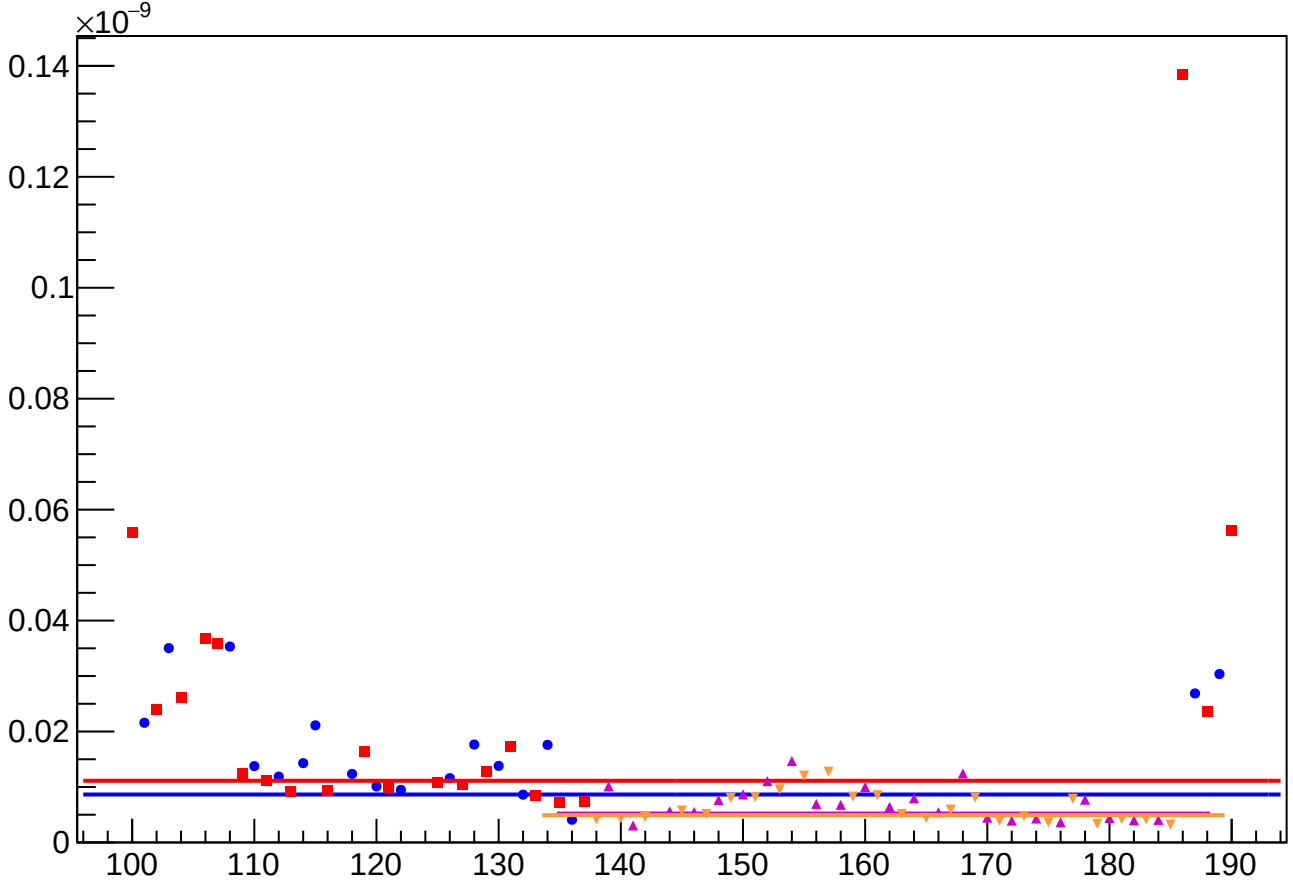
Right Out: -0.000+/-0.000 χ^2/NDF: 25.0/20

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: 83.7/85

- sign 0.000+/-0.000 χ^2/NDF: 51.3/43



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: 2221991.6/20

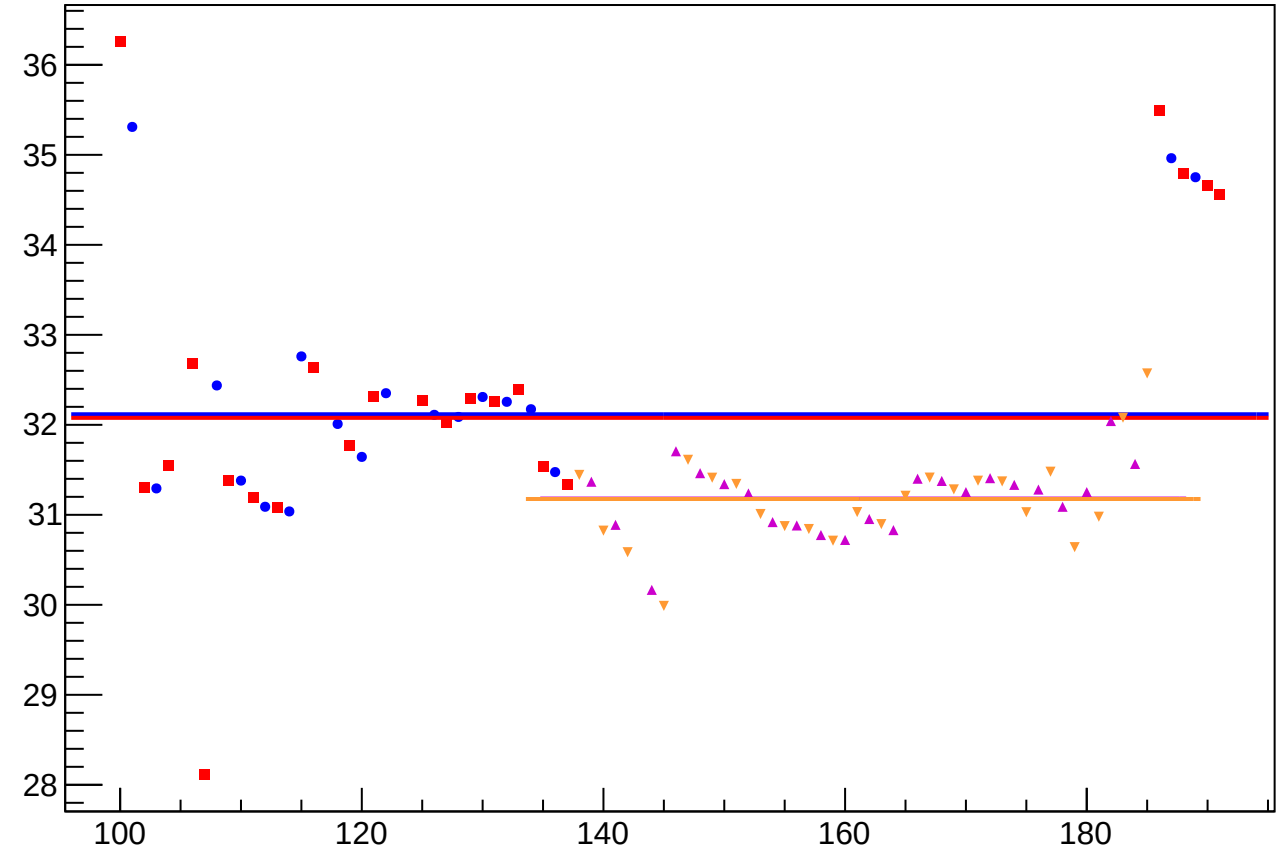
Left In: 0.000+/-0.000 χ^2/NDF:3449719.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 6903095.3/41

All: 0.000+/-0.000 χ^2/NDF: 14737393.2/85

- sign 0.000+/-0.000 χ^2/NDF: 7766366.2/43

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

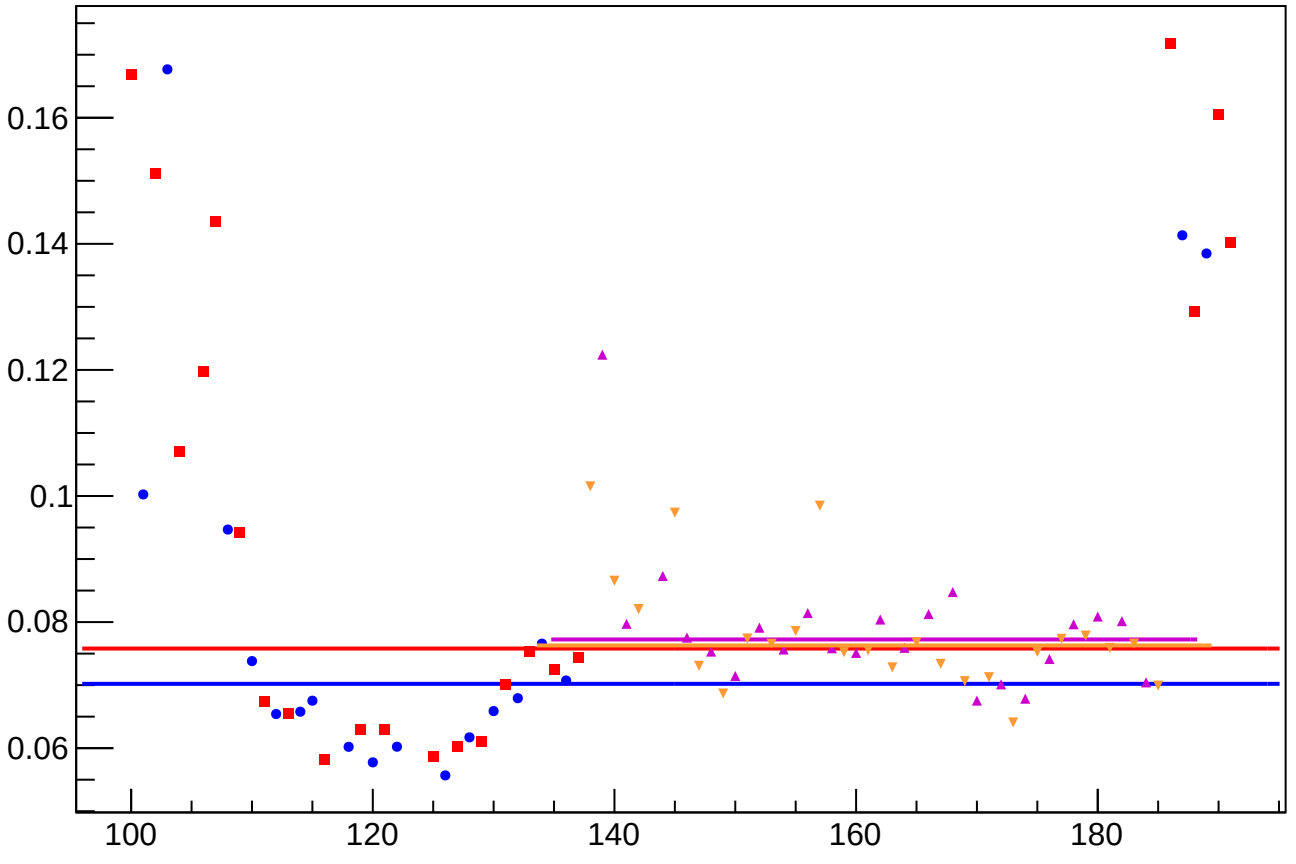
Right Out: 32.078+/-0.000 χ^2/NDF: 1276764164.9/21

Left In: 31.181+/-0.000 χ^2/NDF:376263410.1/22

+ sign 31.480+/-0.000 χ^2/NDF: 2512137722.4/41

All: 31.476+/-0.000 χ^2/NDF: 4890177673.0/8

- sign 31.473+/-0.000 χ^2/NDF: 2377930091.8/44



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: 0.076+/-0.000 χ^2/NDF: 1784986.8/21

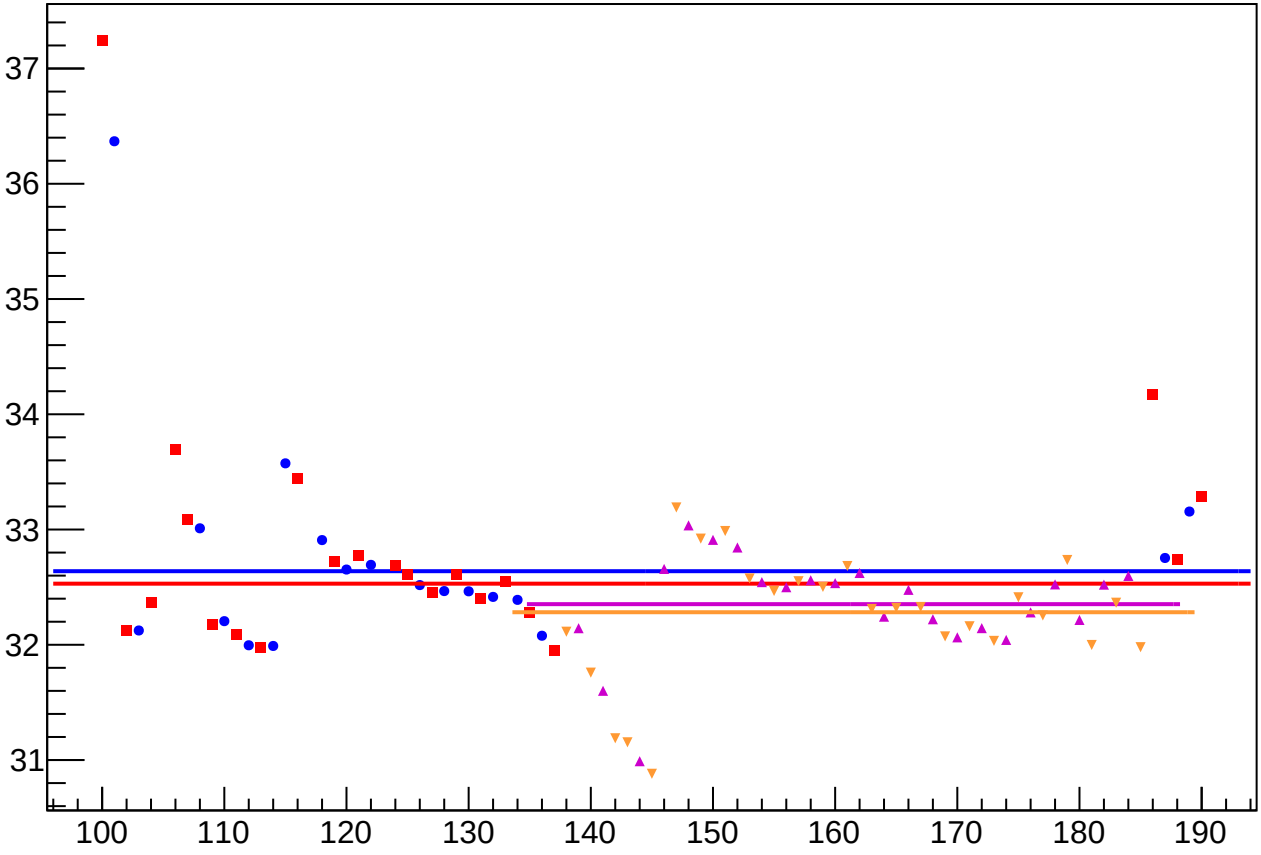
Left In: 0.077+/-0.000 χ^2/NDF:365206.5/22

+ sign 0.074+/-0.000 χ^2/NDF: 1471173.7/41

All: 0.076+/-0.000 χ^2/NDF: 3650155.1/86

- sign 0.077+/-0.000 χ^2/NDF: 2153950.8/44

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: 32.530+/-0.000 χ^2/NDF: 216829865.7/21

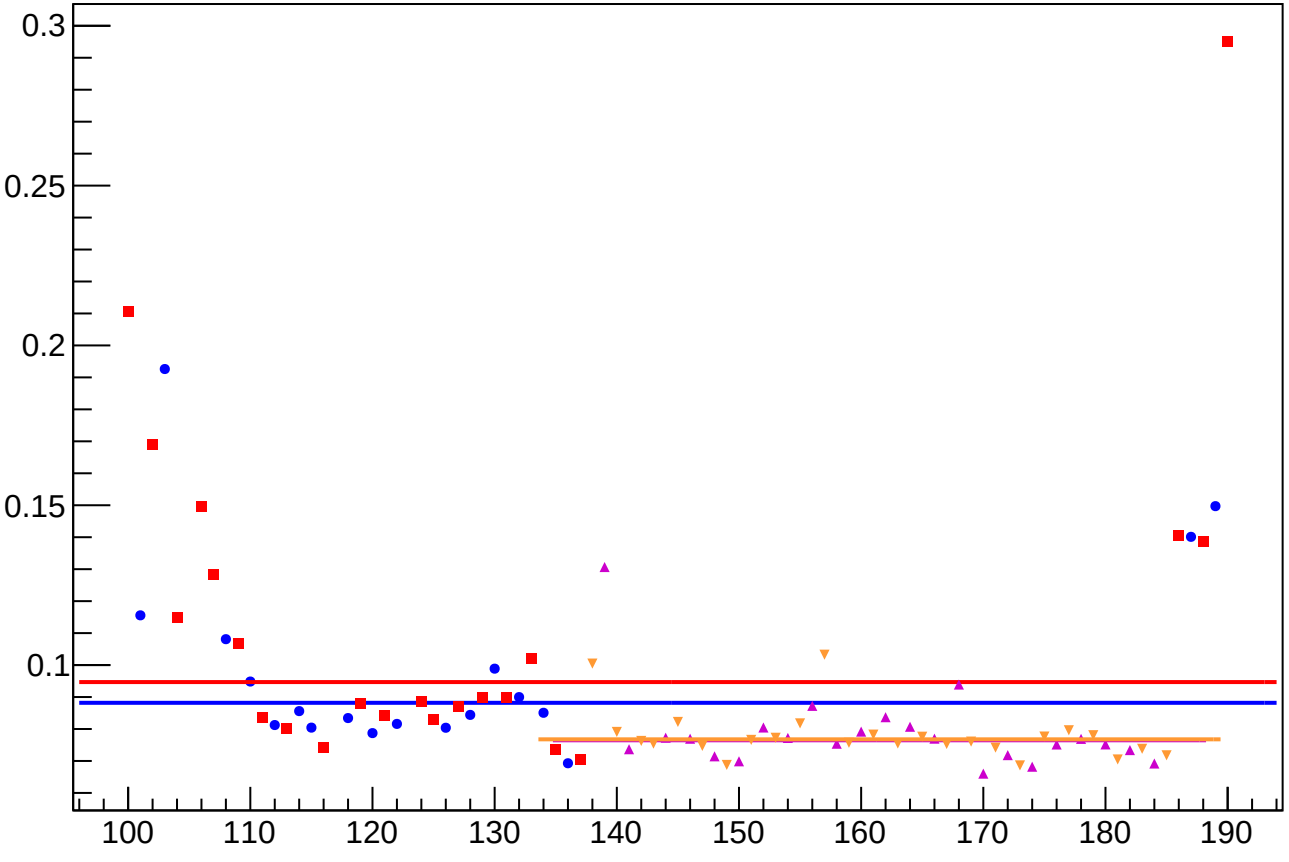
Left In: 32.353+/-0.000 χ^2/NDF:589893462.0/22

+ sign 32.363+/-0.000 χ^2/NDF: 1669479347.9/42

All: 32.378+/-0.000 χ^2/NDF: 2498972399.5/8

- sign 32.393+/-0.000 χ^2/NDF: 827684486.8/44

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: 0.095+/-0.000 χ^2/NDF: 1214391.0/21

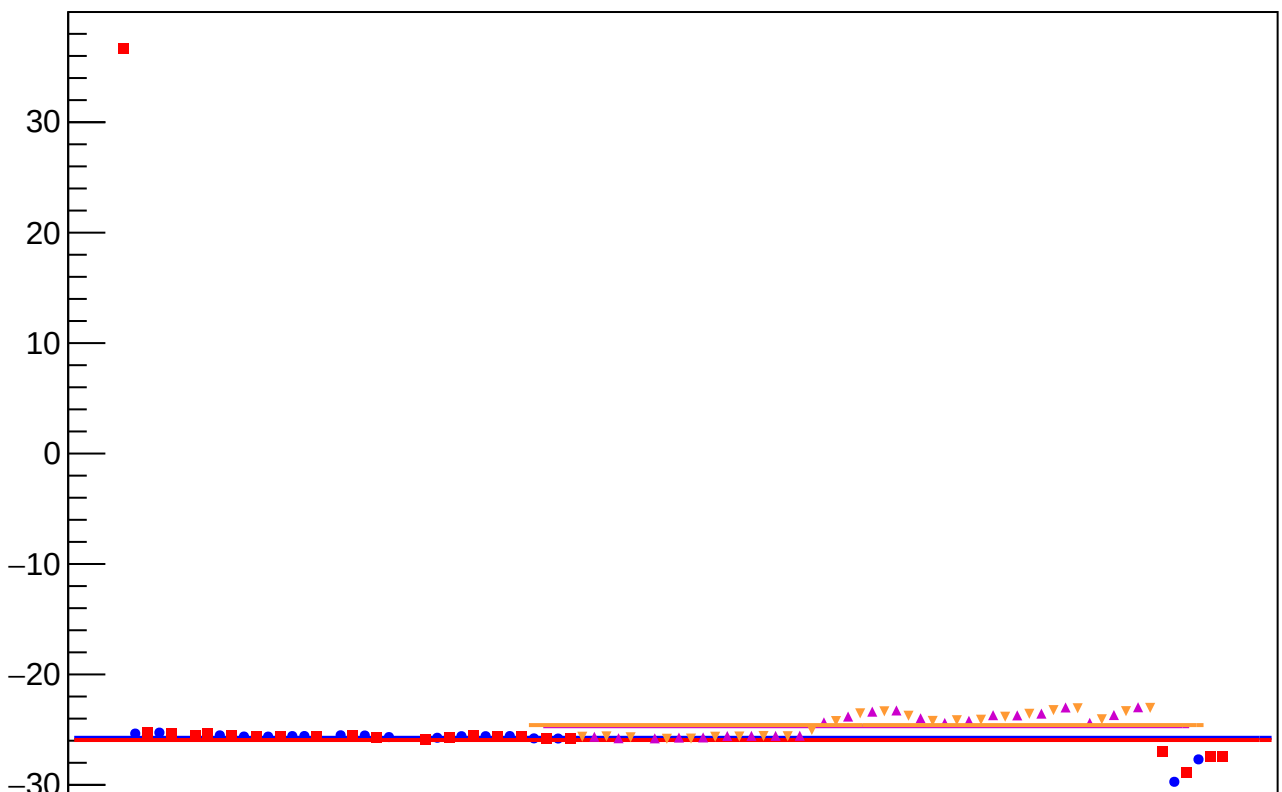
Left In: 0.076+/-0.000 χ^2/NDF:482593.3/22

+ sign 0.079+/-0.000 χ^2/NDF: 1230781.9/42

All: 0.080+/-0.000 χ^2/NDF: 3374876.4/87

- sign 0.081+/-0.000 χ^2/NDF: 2137418.5/44

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: -25.939+/-0.000 χ^2/NDF: 13411312534.9/21

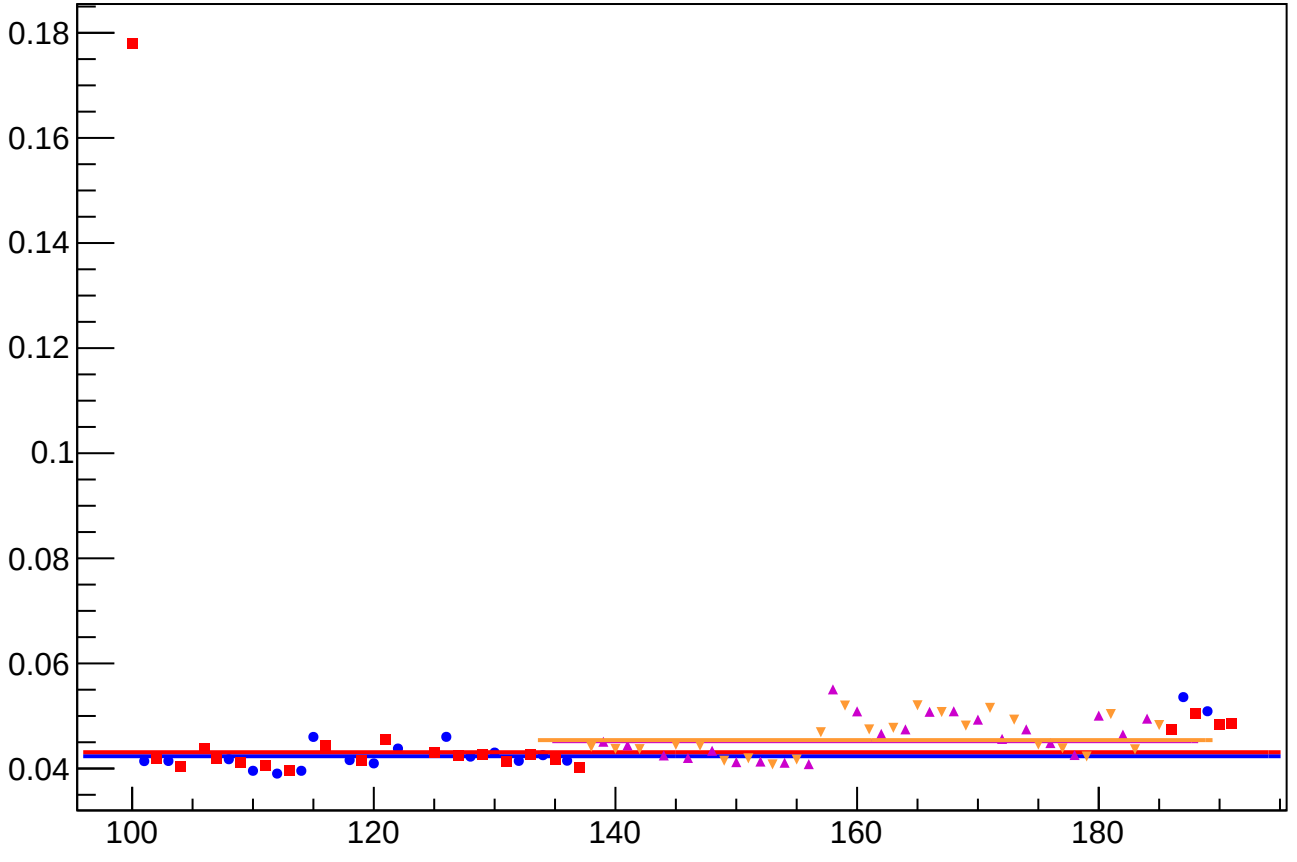
Left In: -24.689+/-0.000 χ^2/NDF:8820957974.3/22

+ sign -24.971+/-0.000 χ^2/NDF: 15033432890.7/41

All: -25.057+/-0.000 χ^2/NDF: 42367363467.7

- sign -25.140+/-0.000 χ^2/NDF: 27143685727.2/44

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: 173196.8/21

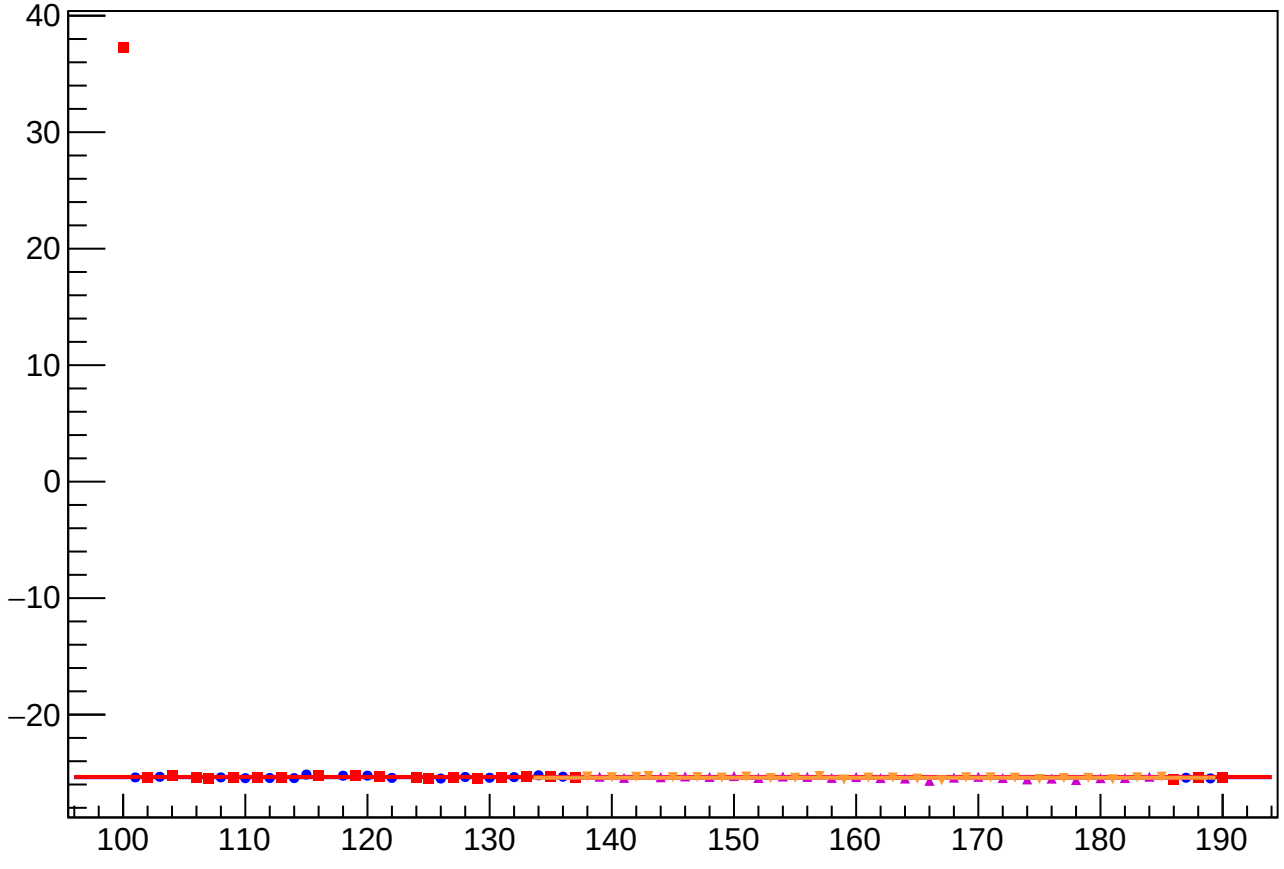
Left In: 0.045+/-0.000 χ^2/NDF:244675.5/22

+ sign 0.044+/-0.000 χ^2/NDF: 329578.0/41

All: 0.044+/-0.000 χ^2/NDF: 775223.2/86

- sign 0.044+/-0.000 χ^2/NDF: 445588.4/44

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: -25.350+/-0.000 χ^2/NDF: 6324721422.7/21

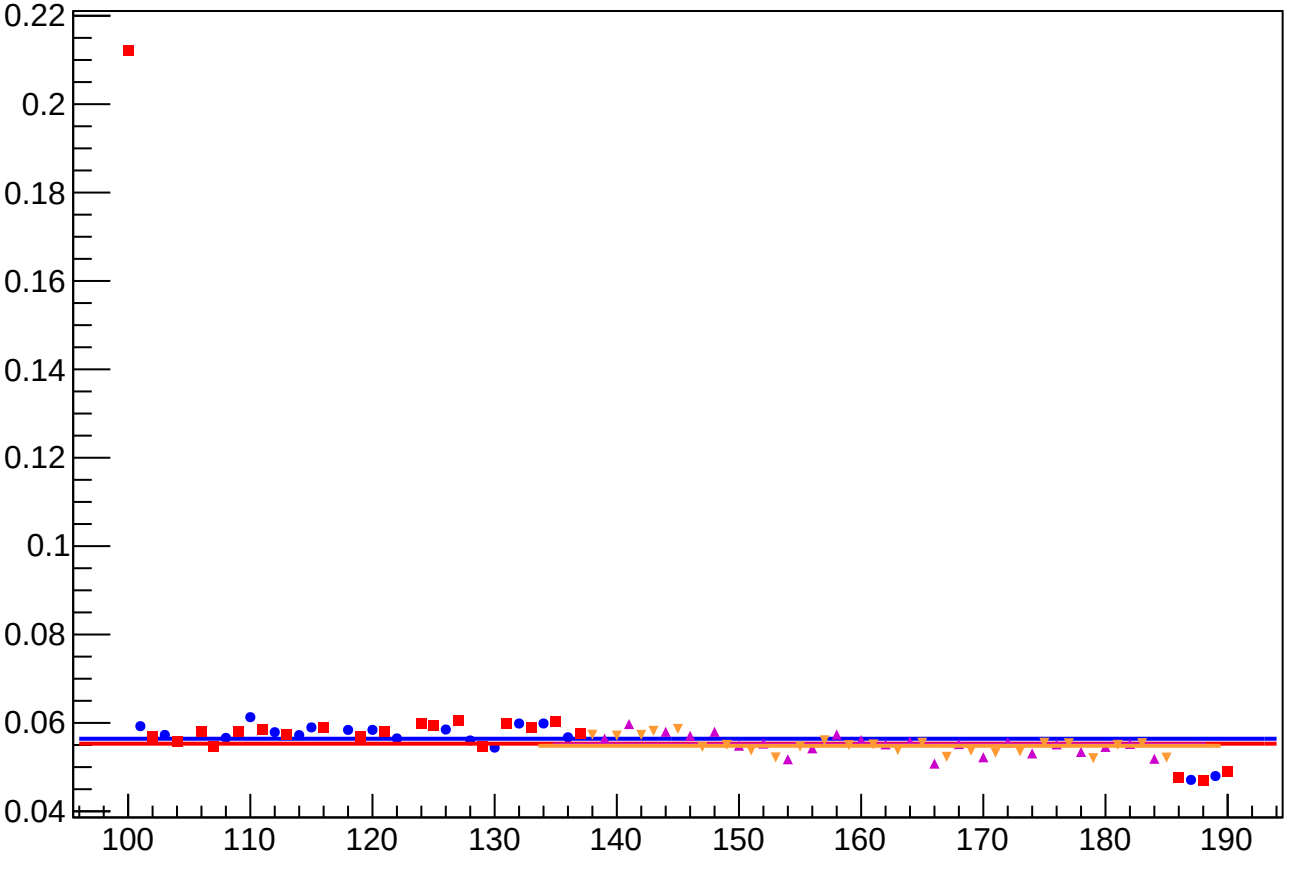
Left In: -25.414+/-0.000 χ^2/NDF:55851916.1/22

+ sign -25.405+/-0.000 χ^2/NDF: 71642183.2/42

All: -25.399+/-0.000 χ^2/NDF: 6460690241.8/

- sign -25.393+/-0.000 χ^2/NDF: 6388471876.8/44

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

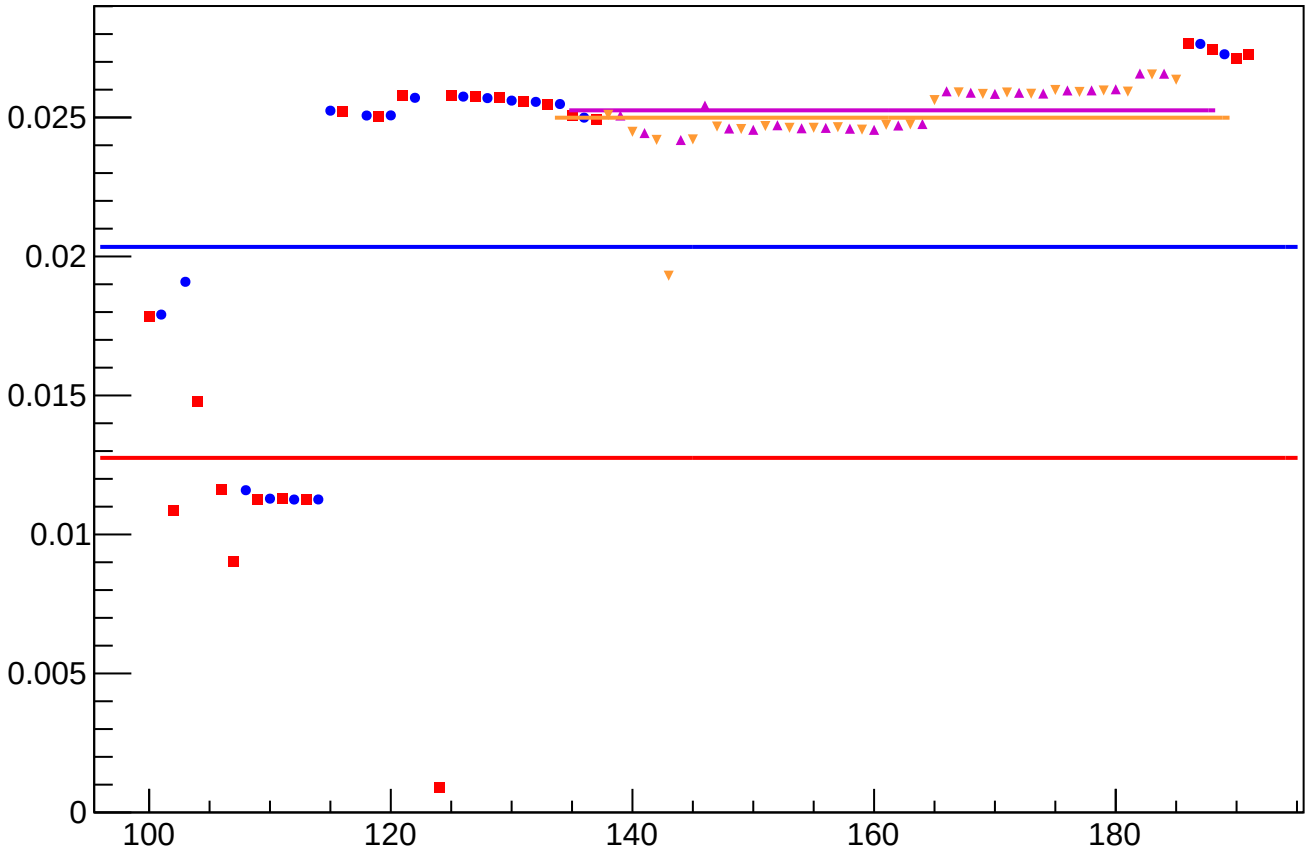
Right Out: 0.055+/-0.000 χ^2/NDF: 211216.5/21

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: 375339.4/87

- sign 0.055+/-0.000 χ^2/NDF: 262885.0/44



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: 0.013+/-0.000 χ^2/NDF: 306718548390.8/22

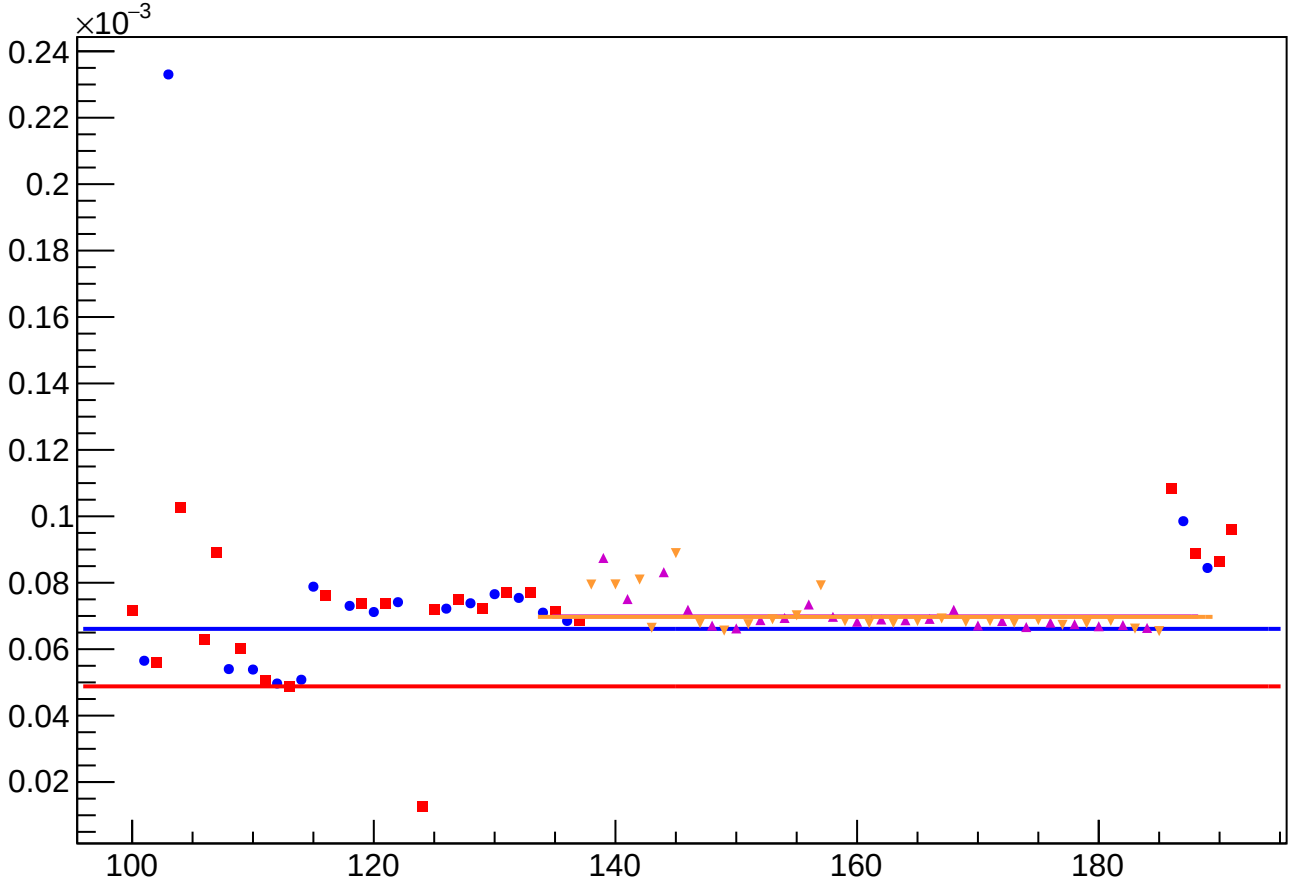
Left In: 0.025+/-0.000 χ^2/NDF:1884783780.3/22

+ sign 0.024+/-0.000 χ^2/NDF: 100118524655.6/42

All: 0.022+/-0.000 χ^2/NDF: 695333616940.0

- sign 0.020+/-0.000 χ^2/NDF: 554563305645.3/45

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

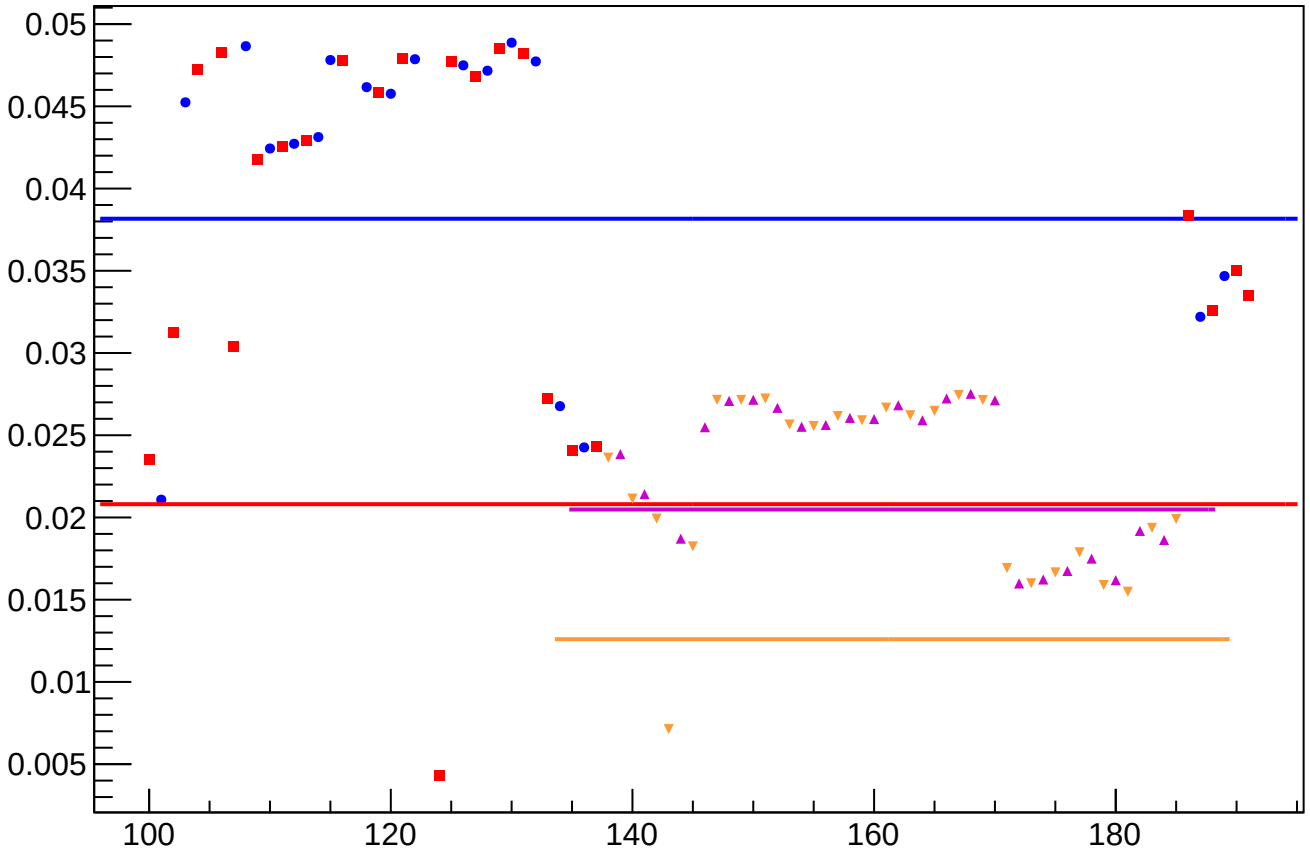
Right Out: 0.000+/-0.000 χ^2/NDF: 4723204.1/22

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: 7761074.7/88

- sign 0.000+/-0.000 χ^2/NDF: 6272312.1/45



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: 43457826925.4/22

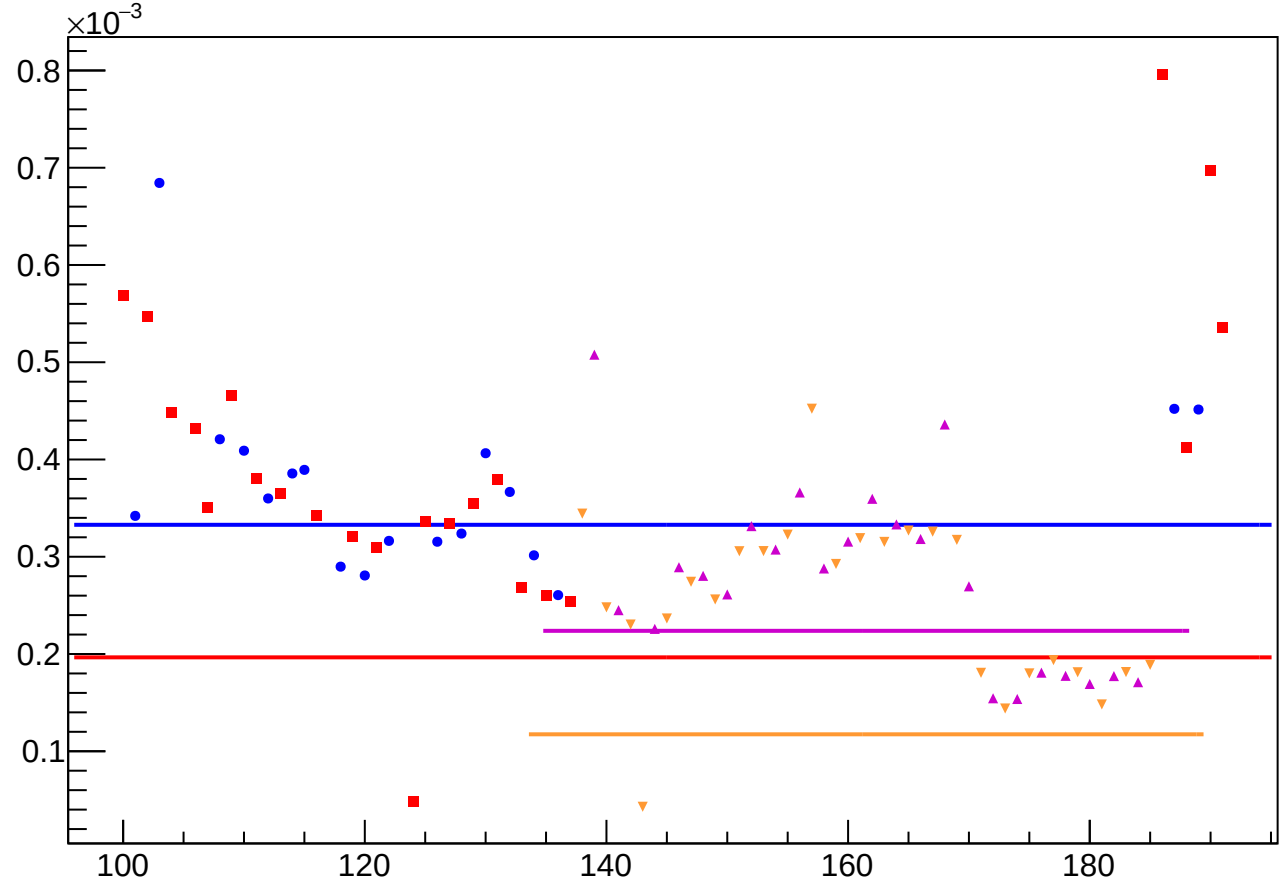
Left In: 0.020+/-0.000 χ^2/NDF:6099907424.9/22

+ sign 0.015+/-0.000 χ^2/NDF: 82112774186.2/42

All: 0.017+/-0.000 χ^2/NDF: 141934550902.3

- sign 0.021+/-0.000 χ^2/NDF: 49567203812.2/45

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

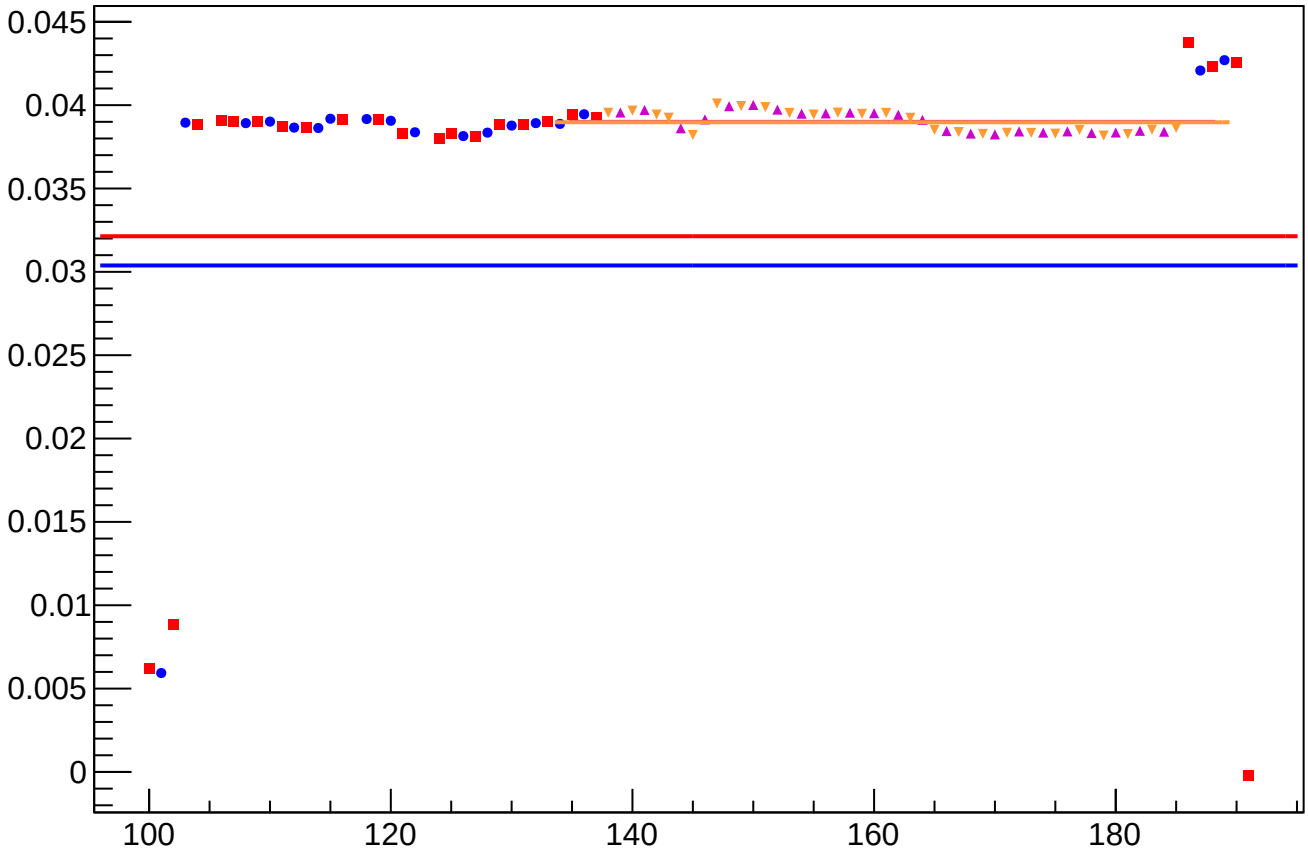
Right Out: 0.000+/-0.000 χ^2/NDF: 7205415.1/22

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: 34905058.8/88

- sign 0.000+/-0.000 χ^2/NDF: 10728424.8/45



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: 0.032+/-0.000 χ^2/NDF: 107032462538.1/22

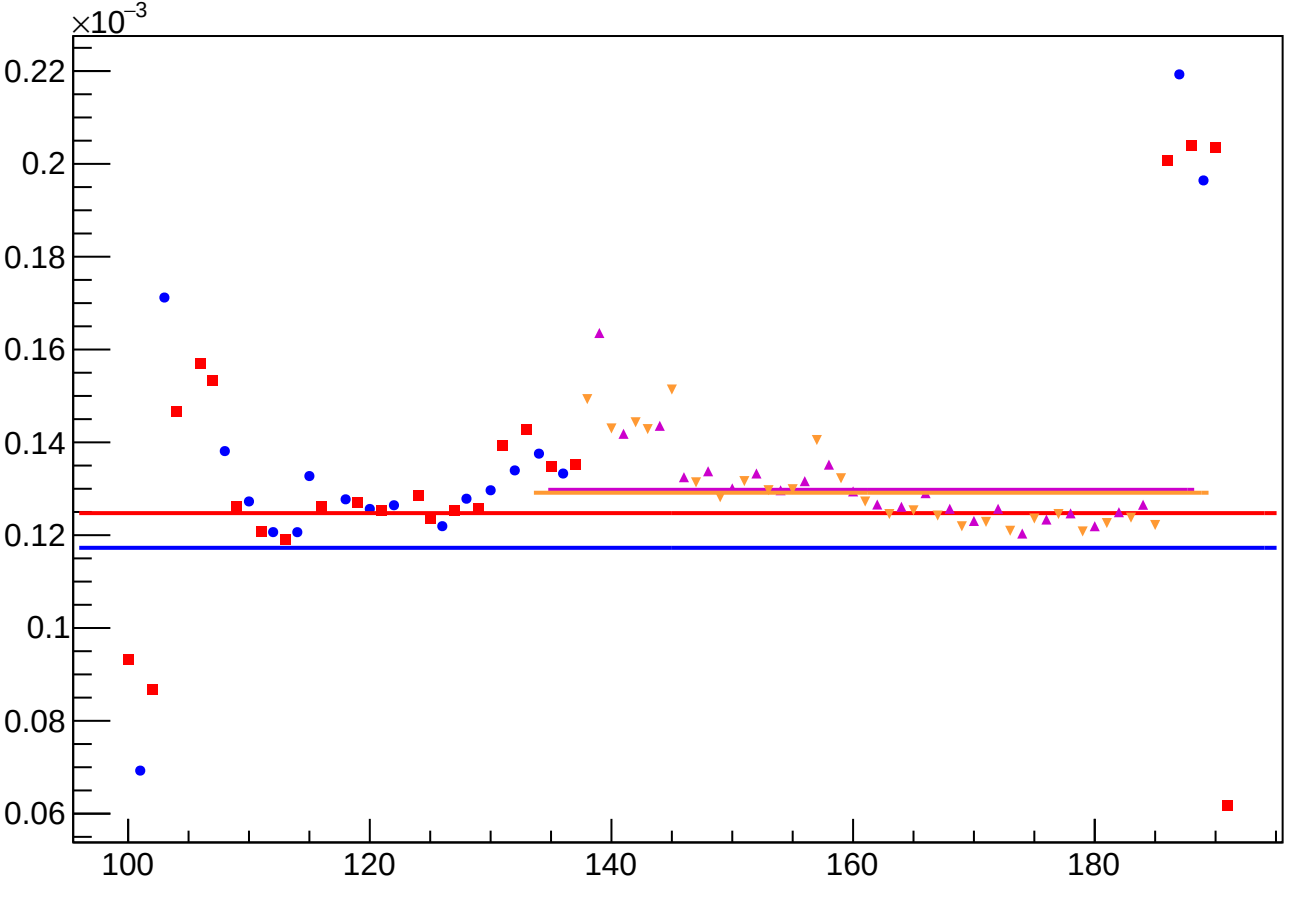
Left In: 0.039+/-0.000 χ^2/NDF:408808029.6/22

+ sign 0.036+/-0.000 χ^2/NDF: 137798952557.5/42

All: 0.036+/-0.000 χ^2/NDF: 262159827835.5

- sign 0.037+/-0.000 χ^2/NDF: 124202888040.5/45

yield_atr1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1104795.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:157557.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1151126.5/22

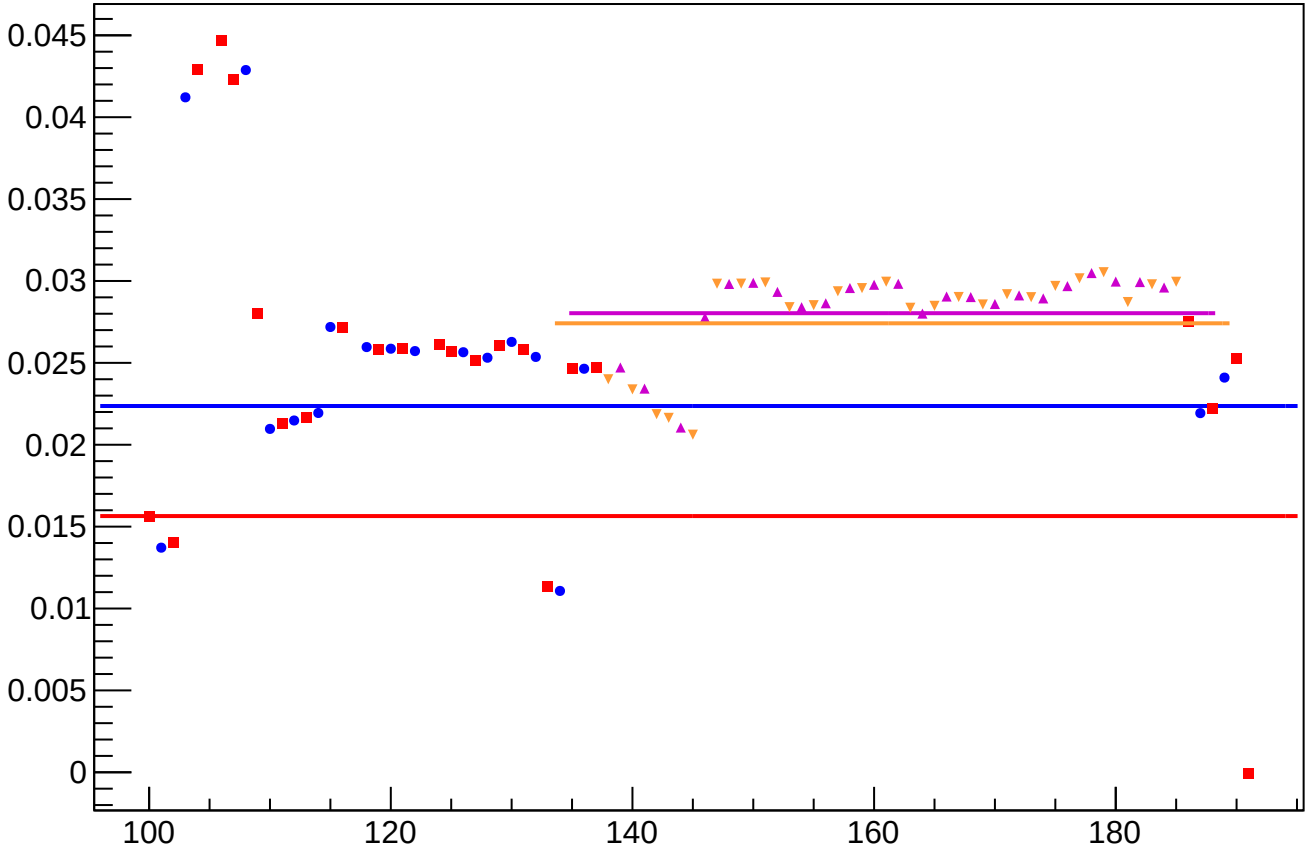
Left In: 0.000+/-0.000 χ^2/NDF:141831.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 1363280.8/42

All: 0.000+/-0.000 χ^2/NDF: 2686059.7/88

- sign 0.000+/-0.000 χ^2/NDF: 1310910.0/45

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

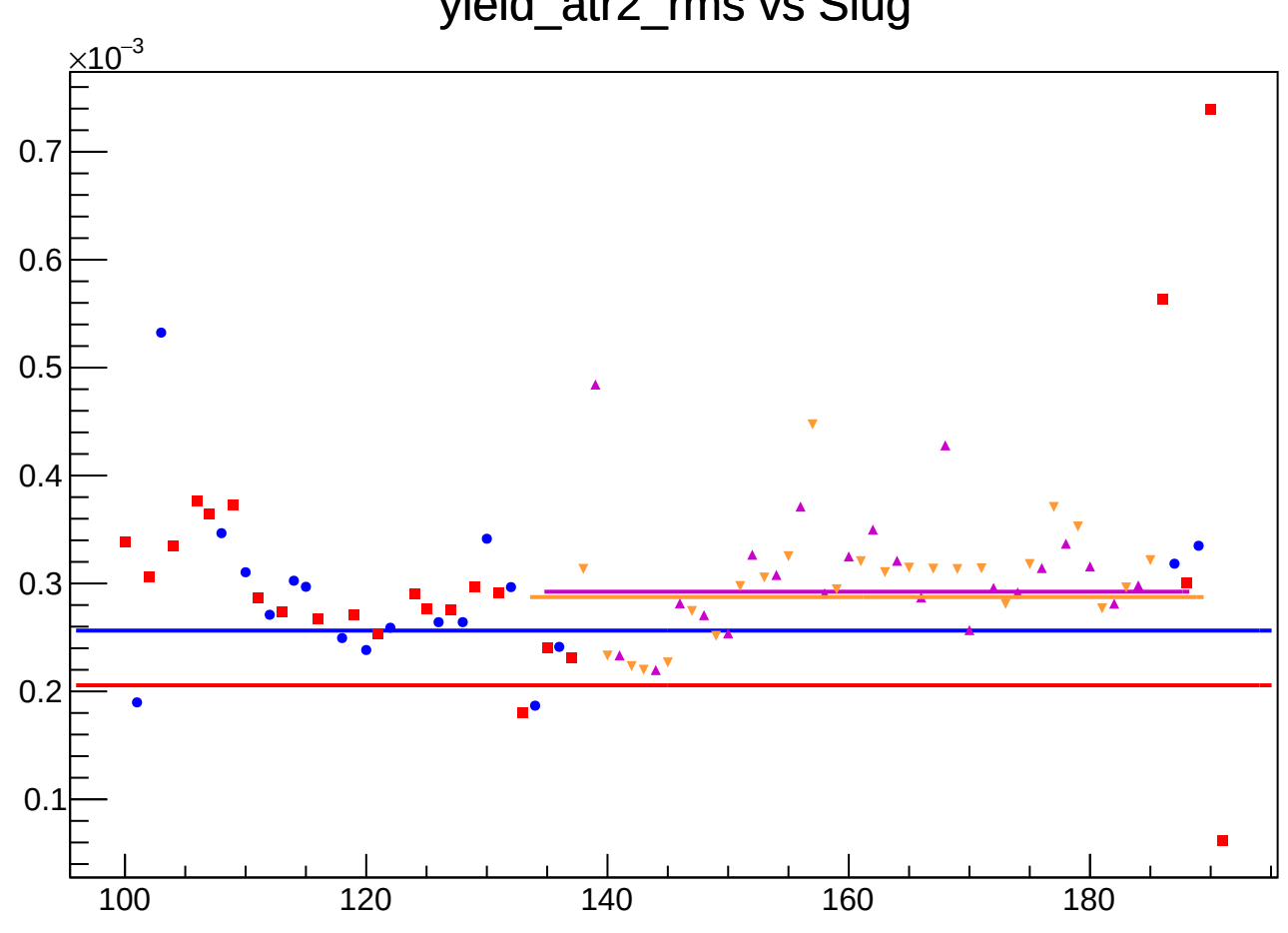
Right Out: 0.016+/-0.000 χ^2/NDF: 24599058824.9/22

Left In: 0.028+/-0.000 χ^2/NDF:1490587051.3/22

+ sign 0.026+/-0.000 χ^2/NDF: 9024498409.6/42

All: 0.024+/-0.000 χ^2/NDF: 49726847640.3/8

- sign 0.023+/-0.000 χ^2/NDF: 39087750052.6/45



Right In: 0.000+/-0.000 χ^2/NDF: 768775.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:821515.6/24

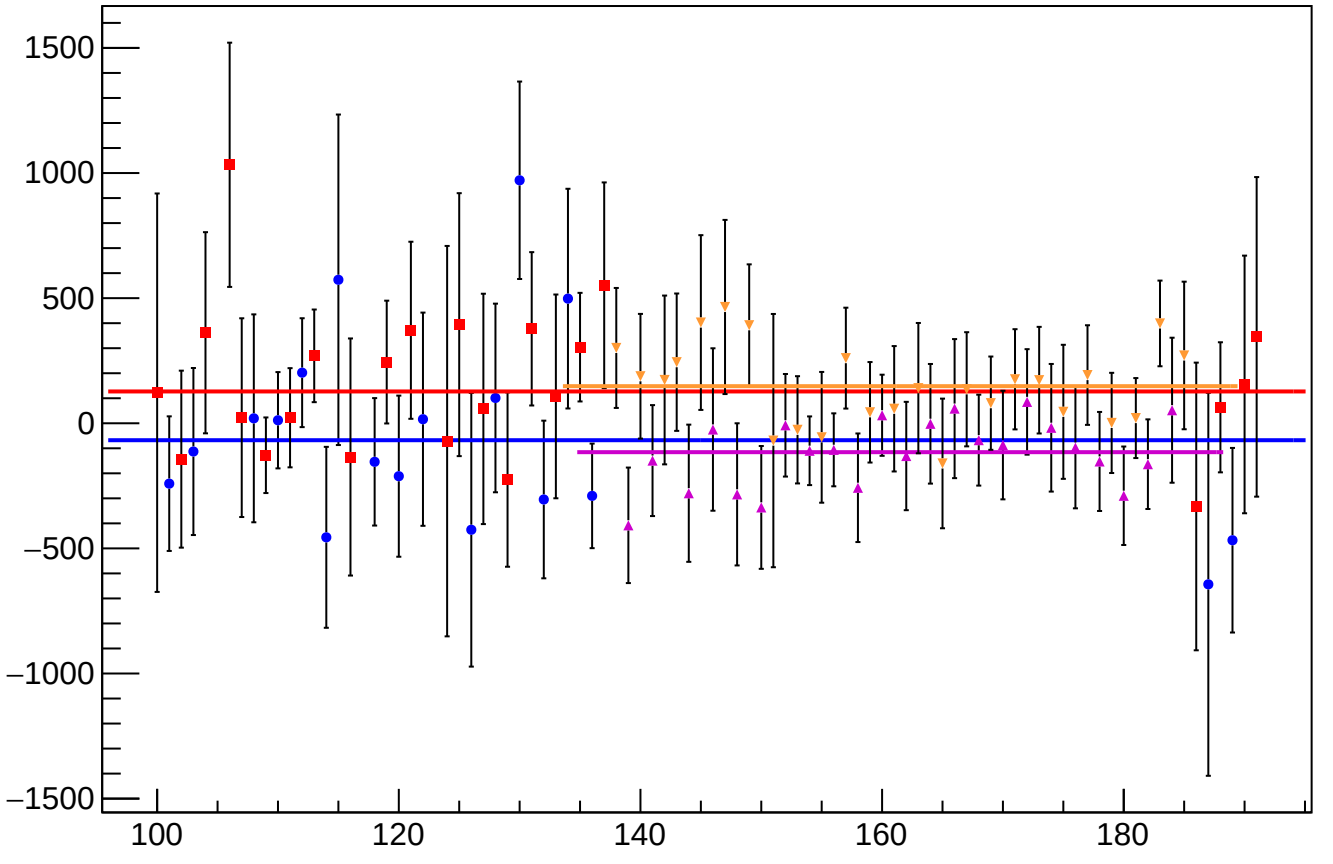
Right Out: 0.000+/-0.000 χ^2/NDF: 4107020.8/22

Left In: 0.000+/-0.000 χ^2/NDF:970483.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 1723223.3/42

All: 0.000+/-0.000 χ^2/NDF: 8244837.0/88

- sign 0.000+/-0.000 χ^2/NDF: 6351959.3/45



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: 127.174+/-64.560 χ^2/NDF: 13.8/22

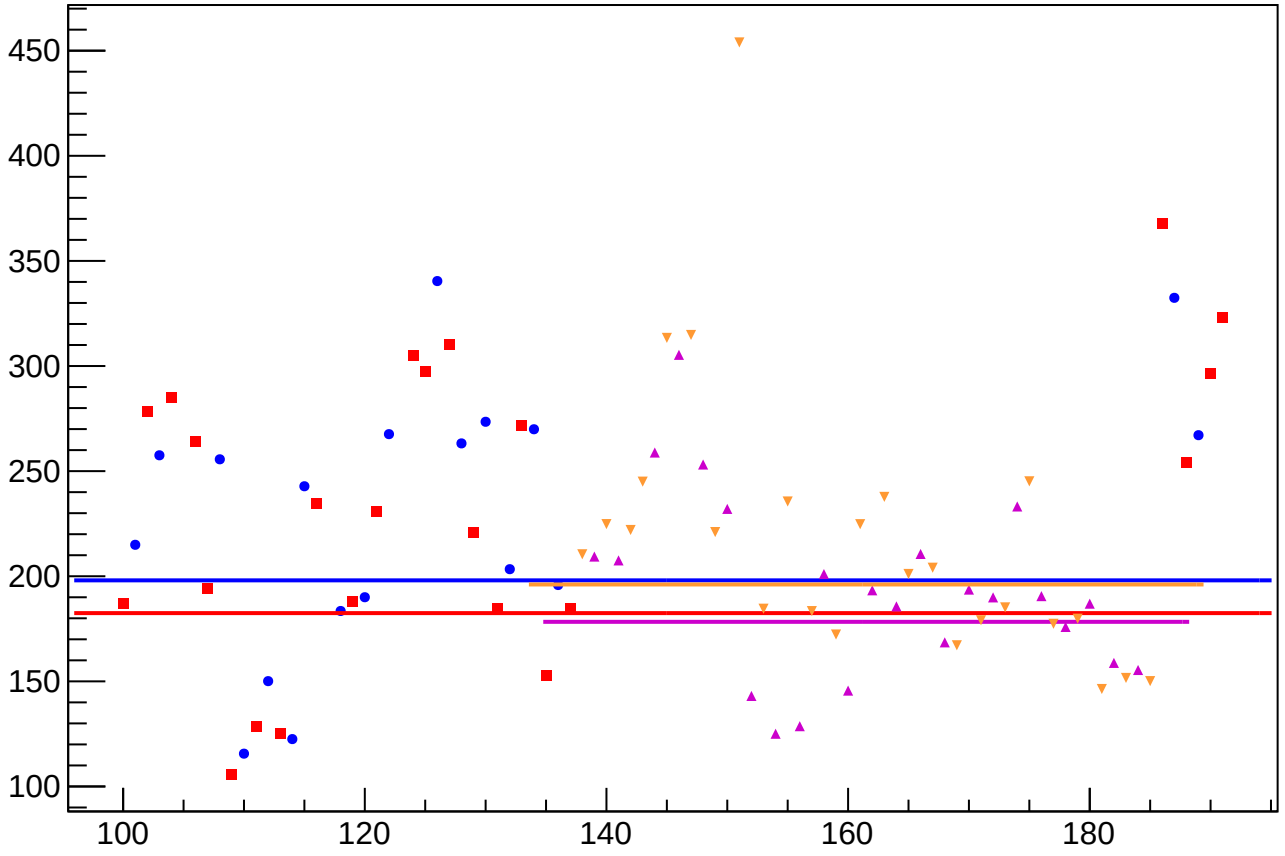
Left In: -115.487+/-43.568 χ^2/NDF:7.8/22

+ sign 87.986+/-39.241 χ^2/NDF: 33.8/42

All: 18.931+/-26.573 χ^2/NDF: 70.7/88

- sign -39.556+/-36.114 χ^2/NDF: 31.2/45

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

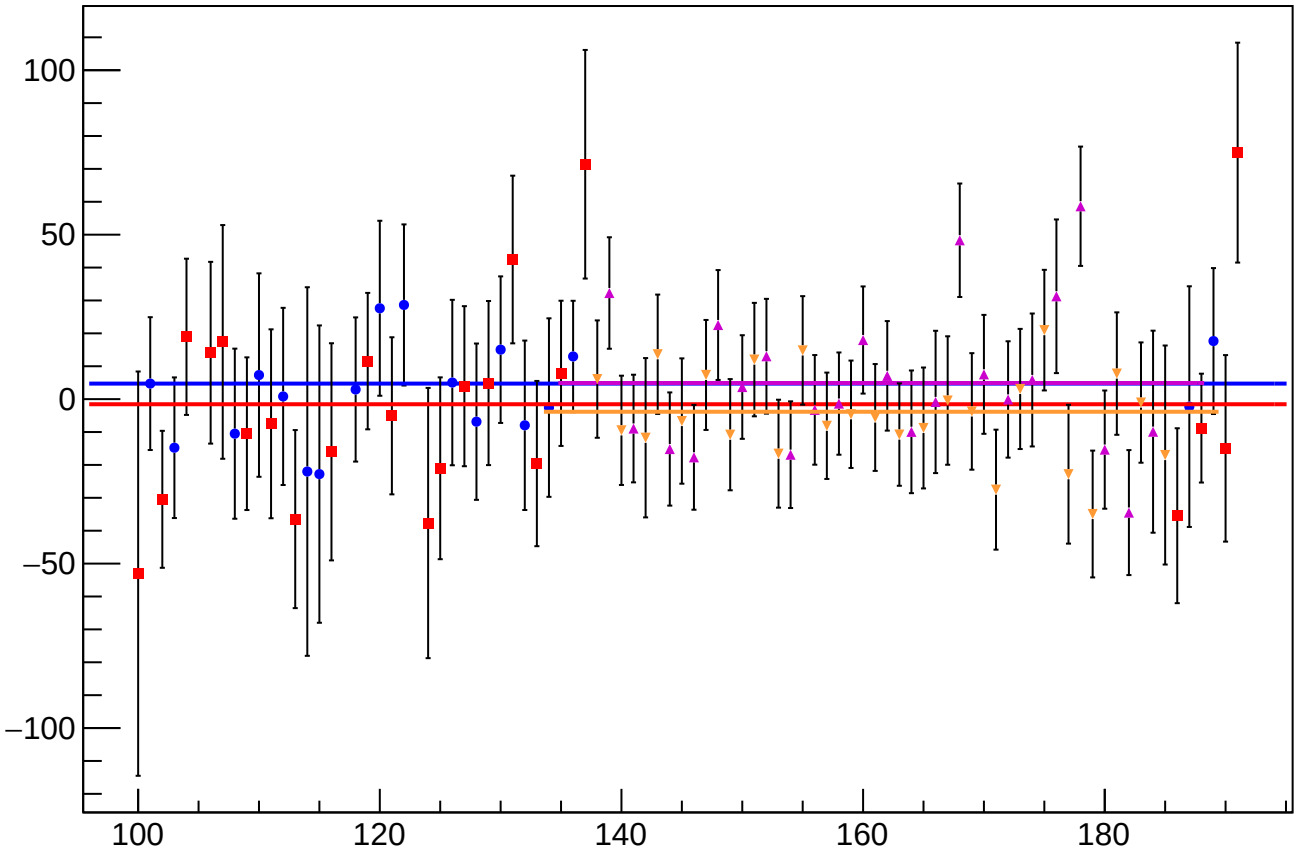
Right Out: 182.466+/-0.046 χ^2/NDF: 2264584.2/22

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

+ sign 196.634+/-0.028 χ^2/NDF: 3005697.4/42

All: 187.420+/-0.019 χ^2/NDF: 7157957.3/88

- sign 179.616+/-0.026 χ^2/NDF: 3948592.6/45



Right In: 4.725+/-5.869 χ^2/NDF: 4.9/17

Left Out: -3.834+/-3.603 χ^2/NDF:12.9/24

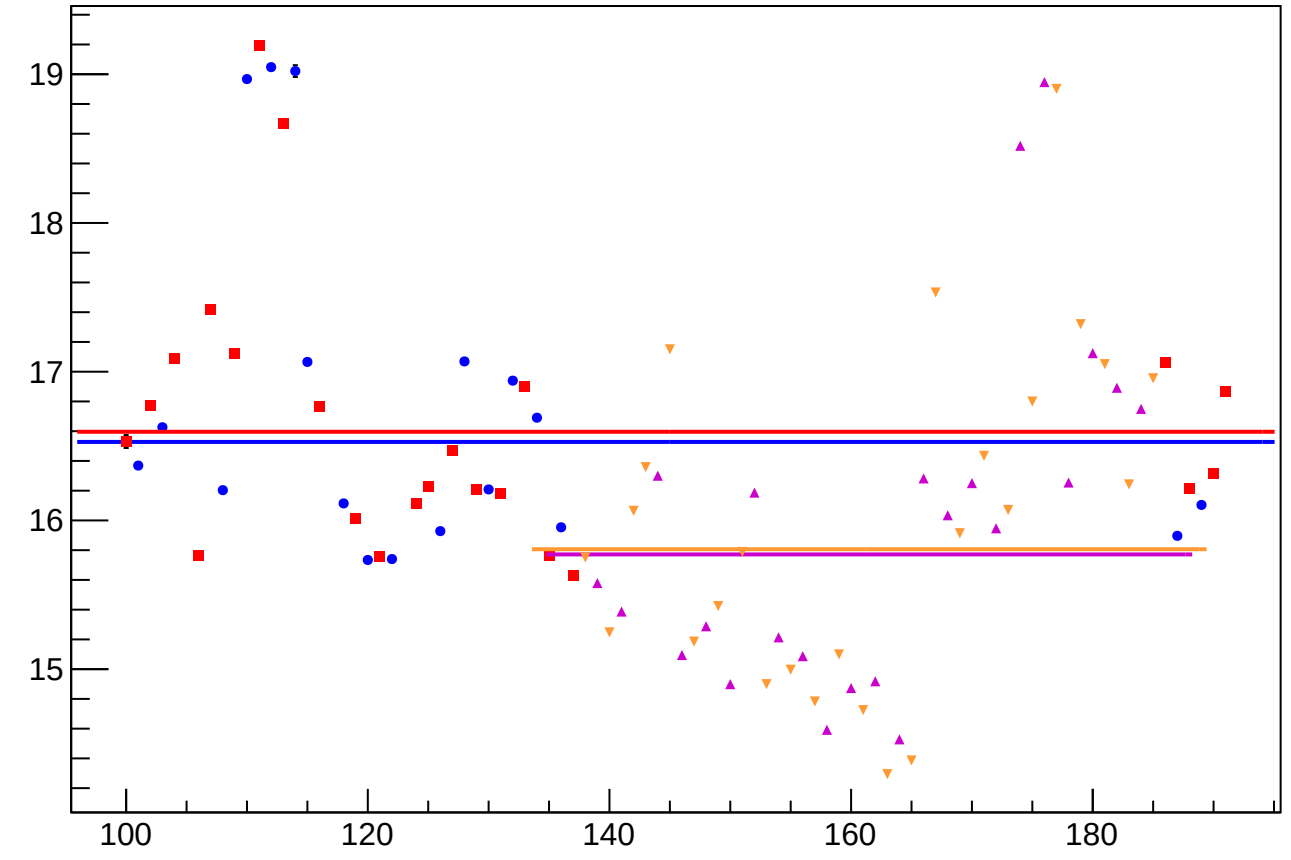
Right Out: -1.551+/-5.401 χ^2/NDF: 23.2/22

Left In: 4.903+/-3.695 χ^2/NDF:33.9/22

\+ sign -1.492+/-3.070 χ^2/NDF: 19.3/42

All: 0.691+/-2.164 χ^2/NDF: 78.3/88

\- sign 2.845+/-3.050 χ^2/NDF: 58.1/45



Right In: 16.528+/-0.004 χ^2/NDF: 46036.1/17

Left Out: 15.806+/-0.003 χ^2/NDF:172651.3/24

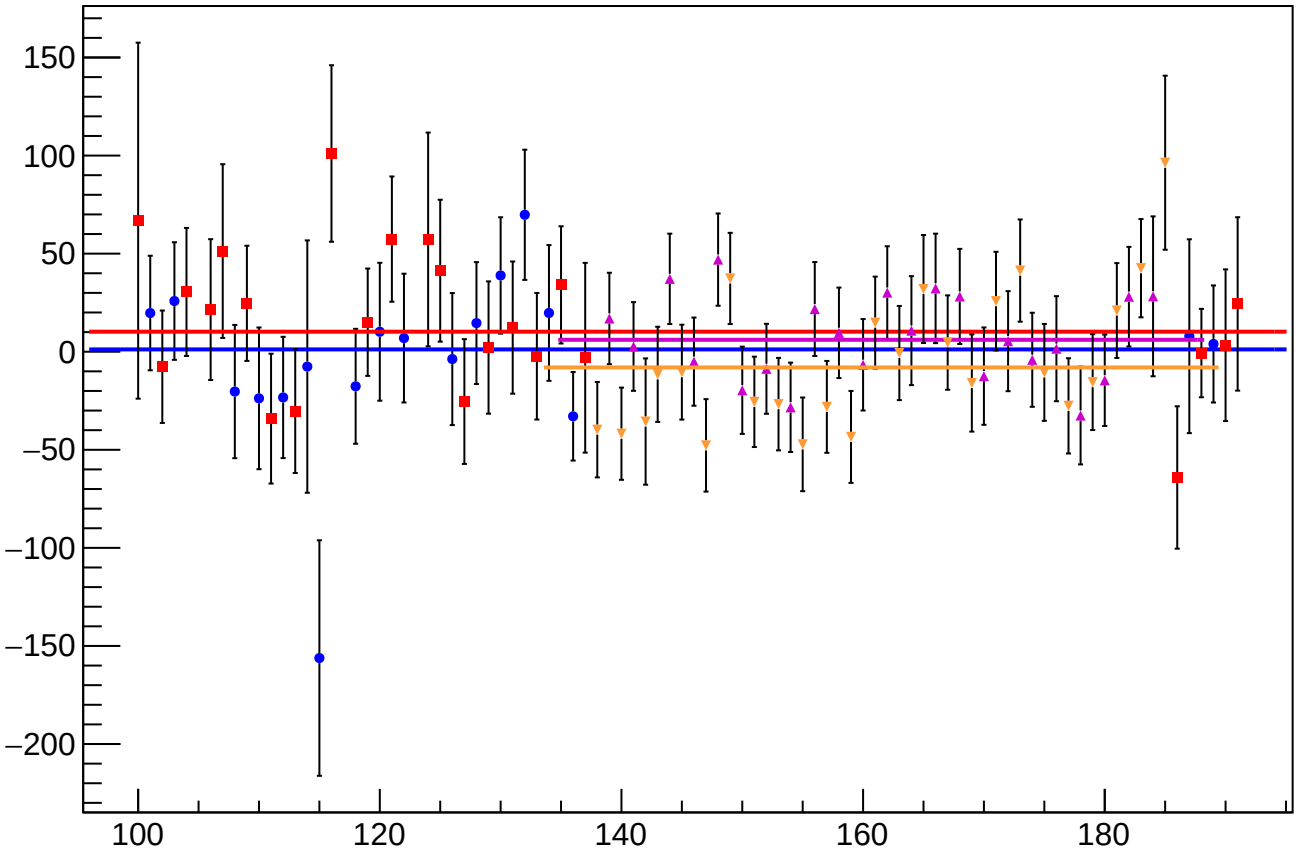
Right Out: 16.596+/-0.004 χ^2/NDF: 45524.2/22

Left In: 15.771+/-0.003 χ^2/NDF:152136.7/22

+ sign 16.004+/-0.002 χ^2/NDF: 240644.7/42

All: 16.019+/-0.002 χ^2/NDF: 470172.9/88

- sign 16.034+/-0.002 χ^2/NDF: 229427.9/45



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: 10.220+/-7.122 χ^2/NDF: 20.3/22

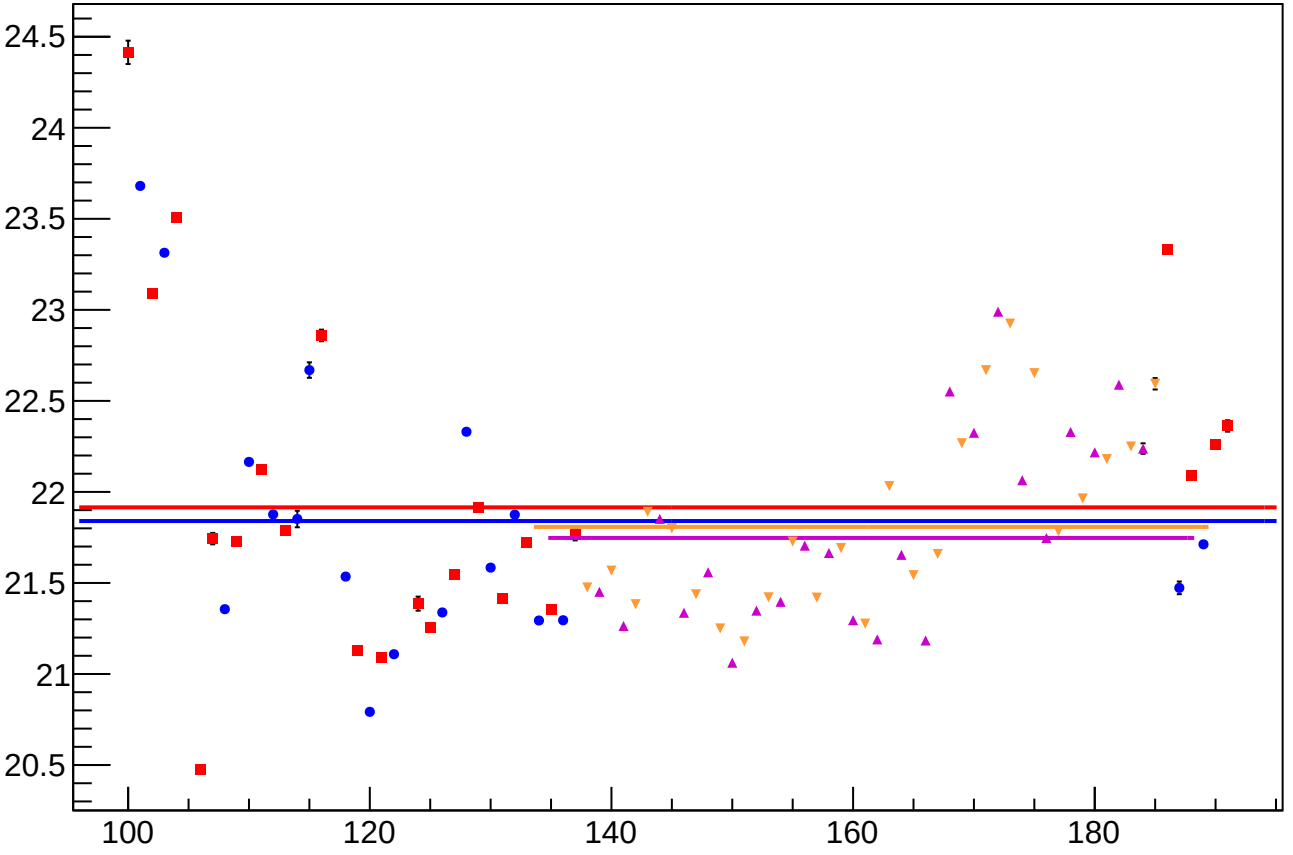
Left In: 6.086+/-5.080 χ^2/NDF:17.9/22

+ sign -5.344+/-4.174 χ^2/NDF: 58.5/42

All: 1.128+/-2.938 χ^2/NDF: 101.7/88

- sign 7.480+/-4.136 χ^2/NDF: 38.4/45

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

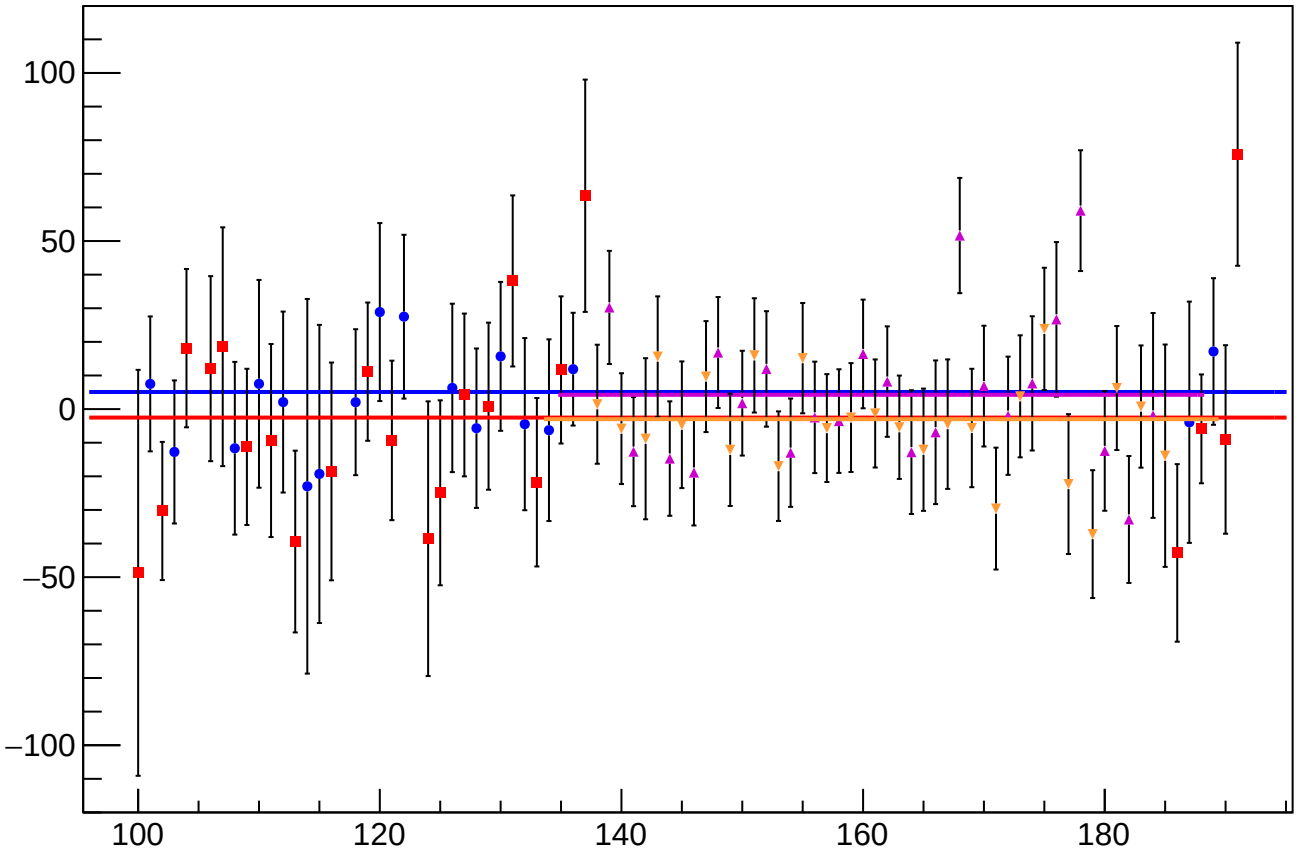
Right Out: 21.915+/-0.005 χ^2/NDF: 22838.9/22

Left In: 21.747+/-0.004 χ^2/NDF:20560.9/22

+ sign 21.817+/-0.003 χ^2/NDF: 37212.6/42

All: 21.810+/-0.002 χ^2/NDF: 81359.9/88

- sign 21.804+/-0.003 χ^2/NDF: 44137.1/45



Right In: 5.095+/-5.829 χ^2/NDF: 4.7/17

Left Out: -3.002+/-3.569 χ^2/NDF:14.6/24

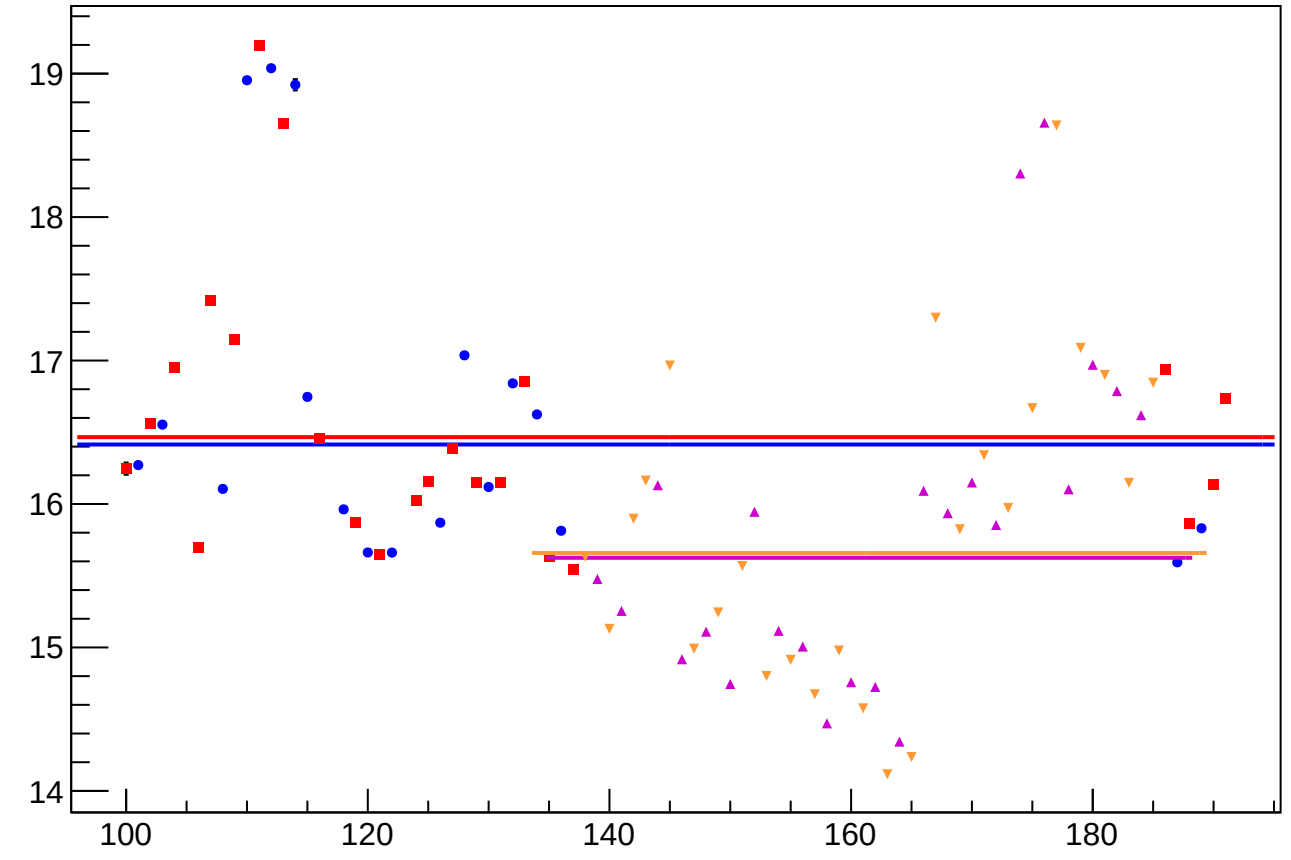
Right Out: -2.523+/-5.359 χ^2/NDF: 23.4/22

Left In: 4.249+/-3.661 χ^2/NDF:33.8/22

+ sign -0.795+/-3.044 χ^2/NDF: 20.7/42

All: 0.660+/-2.145 χ^2/NDF: 79.5/88

- sign 2.094+/-3.023 χ^2/NDF: 58.3/45



Right In: 16.415+/-0.004 χ^2/NDF: 49930.5/17

Left Out: 15.659+/-0.003 χ^2/NDF:169838.6/24

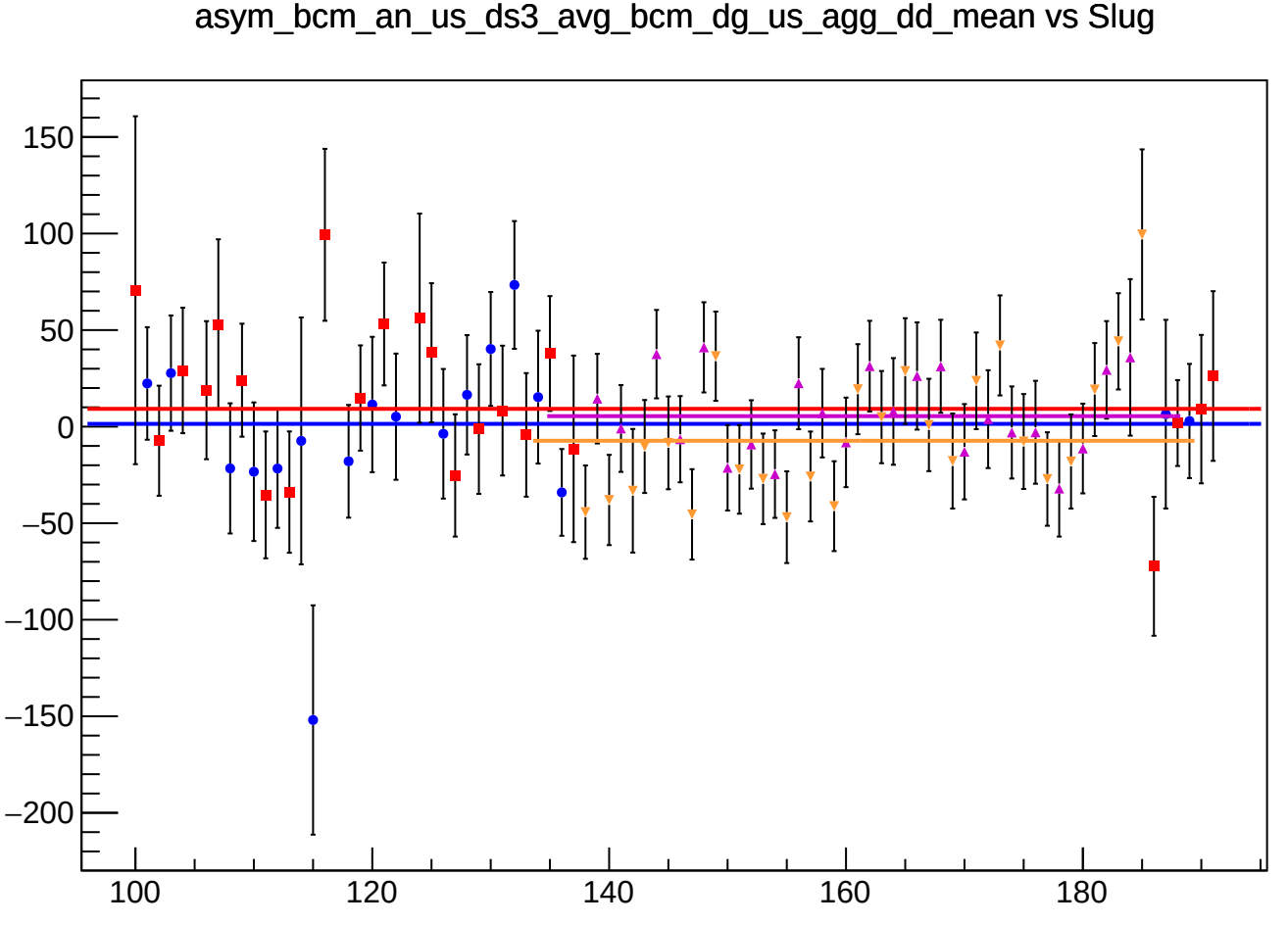
Right Out: 16.466+/-0.004 χ^2/NDF: 50507.1/22

Left In: 15.625+/-0.003 χ^2/NDF:150431.7/22

+ sign 15.865+/-0.002 χ^2/NDF: 244231.7/42

All: 15.879+/-0.002 χ^2/NDF: 478833.2/88

- sign 15.893+/-0.002 χ^2/NDF: 234518.9/45



Right In: 1.433+/-7.704 χ^2/NDF: 19.4/17

Left Out: -7.318+/-4.929 χ^2/NDF:38.6/24

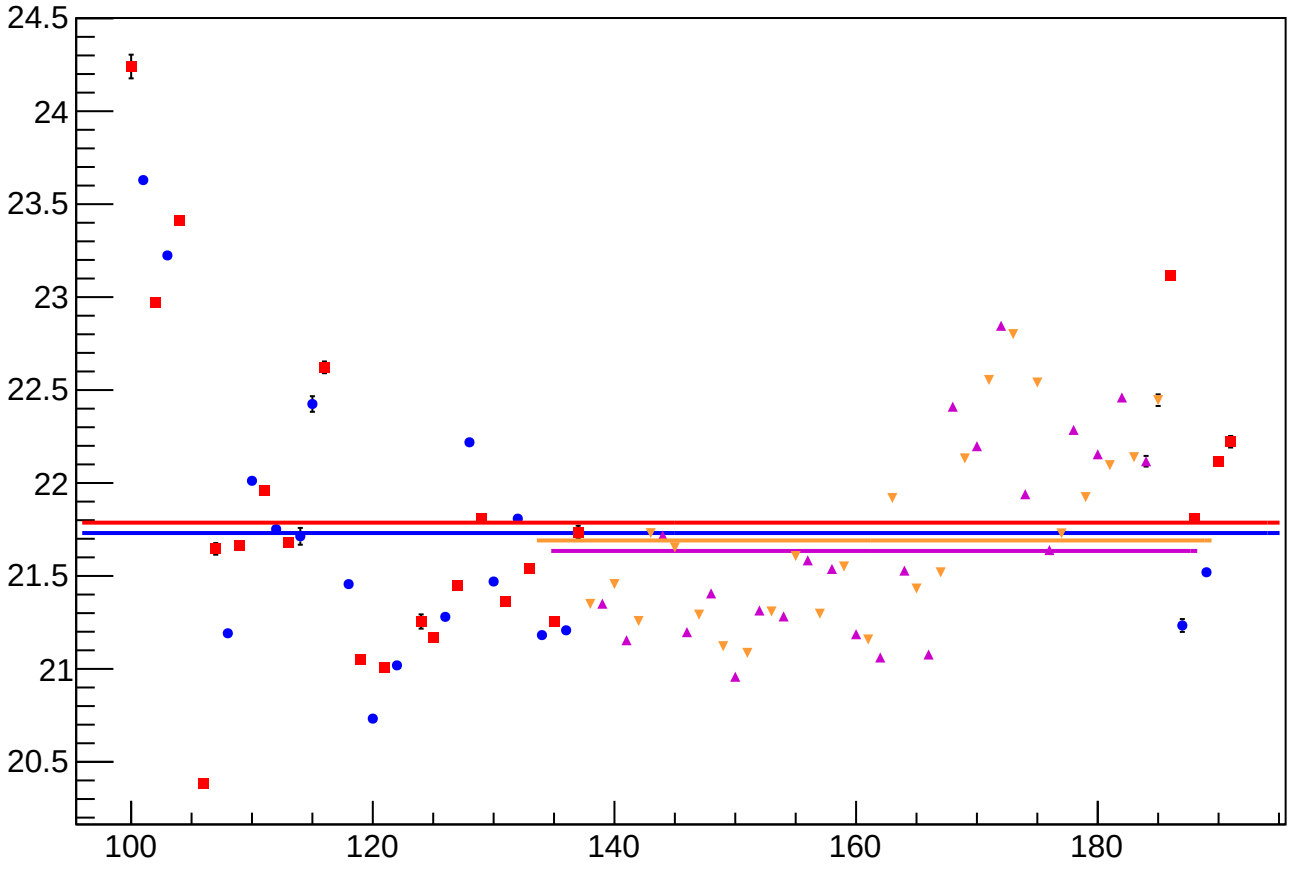
Right Out: 9.215+/-7.080 χ^2/NDF: 21.6/22

Left In: 5.435+/-5.054 χ^2/NDF:17.3/22

\+ sign -4.776+/-4.152 χ^2/NDF: 59.0/42

All: 1.021+/-2.922 χ^2/NDF: 101.9/88

\- sign 6.711+/-4.113 χ^2/NDF: 39.1/45



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: 21.787+/-0.005 χ^2/NDF: 21697.7/22

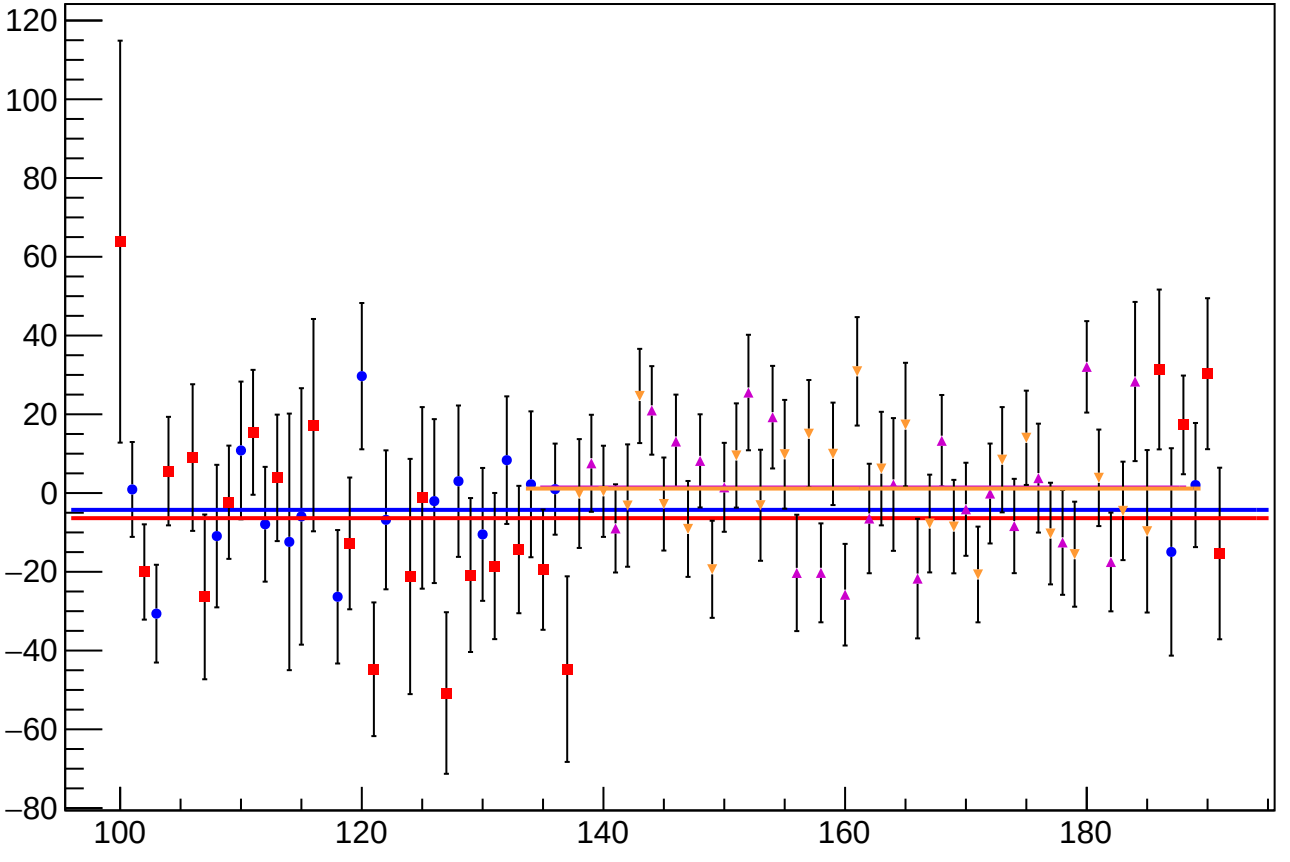
Left In: 21.635+/-0.004 χ^2/NDF:20561.5/22

+ sign 21.702+/-0.003 χ^2/NDF: 38054.2/42

All: 21.694+/-0.002 χ^2/NDF: 80942.1/88

- sign 21.686+/-0.003 χ^2/NDF: 42871.9/45

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.270+/-3.951 χ^2/NDF: 12.3/17

Left Out: 1.138+/-2.620 χ^2/NDF:24.5/24

Right Out: -6.377+/-3.696 χ^2/NDF: 34.4/22

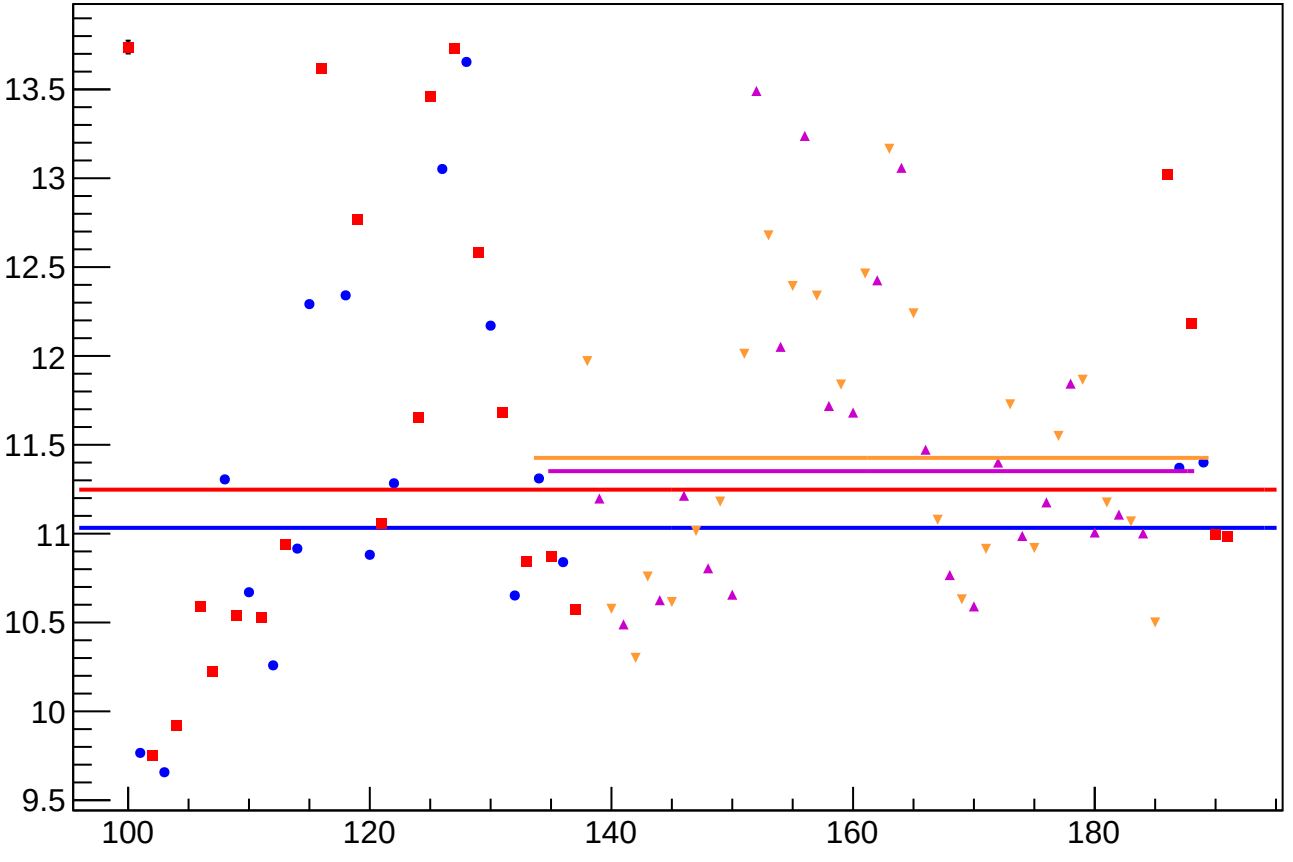
Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign -0.514+/-2.183 χ^2/NDF: 38.1/42

All: -0.894+/-1.538 χ^2/NDF: 111.8/88

- sign -1.267+/-2.167 χ^2/NDF: 73.6/45

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

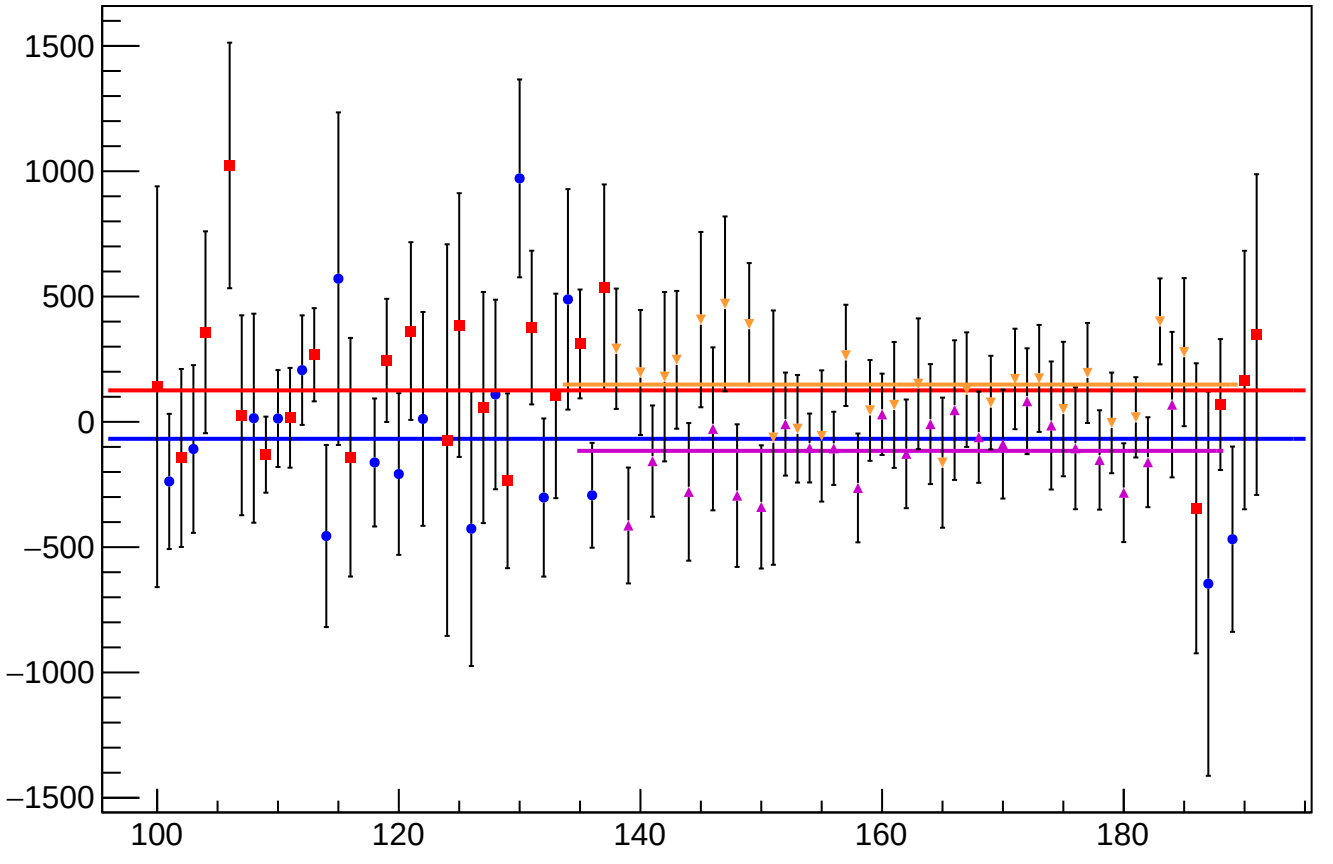
Right Out: 11.248+/-0.003 χ^2/NDF: 192724.7/22

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

+ sign 11.306+/-0.002 χ^2/NDF: 308490.7/42

All: 11.311+/-0.001 χ^2/NDF: 672842.2/88

- sign 11.316+/-0.002 χ^2/NDF: 364331.4/45



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: 125.574+/-64.766 χ^2/NDF: 13.7/22

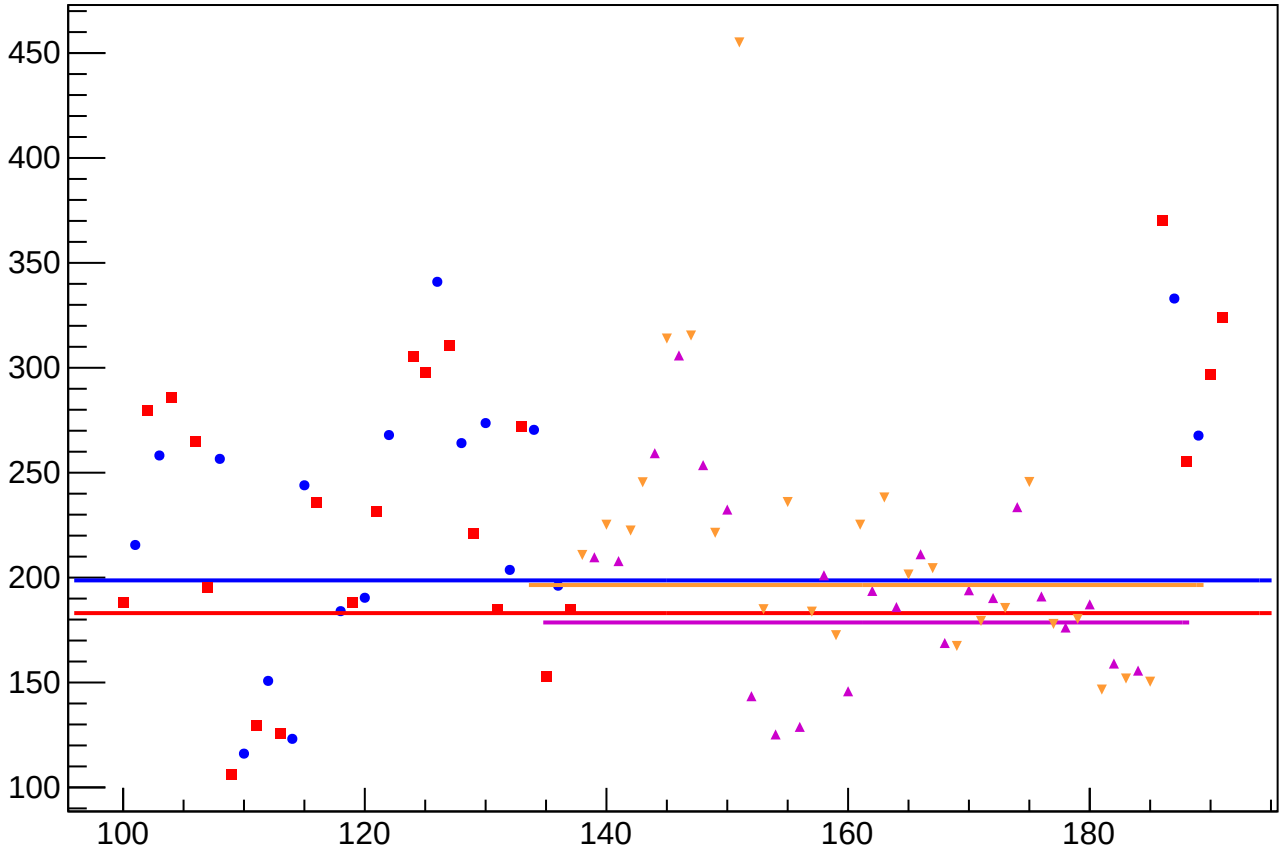
Left In: -115.709+/-43.641 χ^2/NDF:7.8/22

+ sign 88.536+/-39.326 χ^2/NDF: 33.8/42

All: 18.743+/-26.631 χ^2/NDF: 70.7/88

- sign -40.366+/-36.191 χ^2/NDF: 31.0/45

asym_bcm_an_us_bcm_an_ds3_agg_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

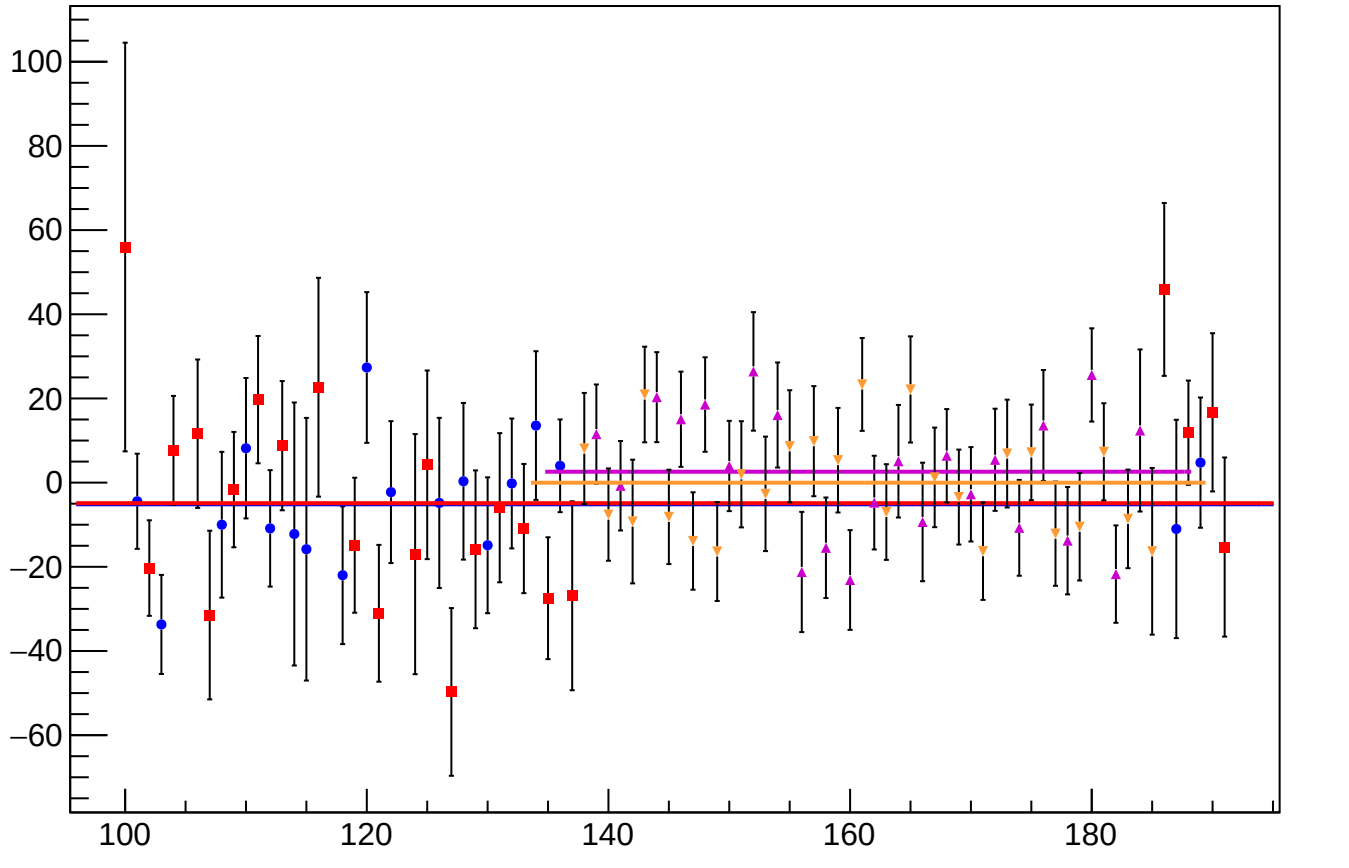
Right Out: 183.076+/-0.046 χ^2/NDF: 2259882.2/22

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

+ sign 197.072+/-0.028 χ^2/NDF: 2999464.8/42

All: 187.832+/-0.019 χ^2/NDF: 7148633.9/88

- sign 180.007+/-0.026 χ^2/NDF: 3945271.1/45



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: -4.885+/-3.543 χ^2/NDF: 33.4/22

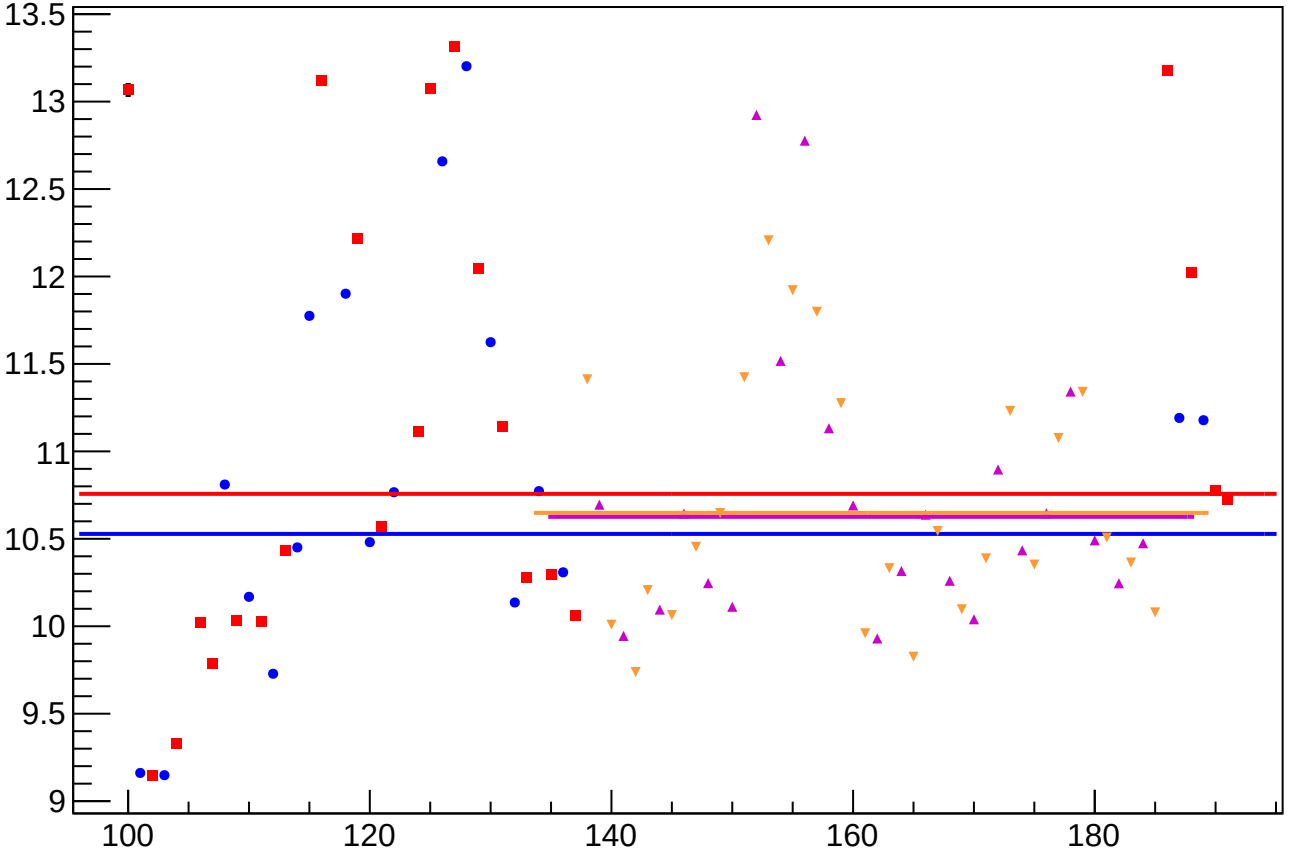
Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

+ sign -1.533+/-2.052 χ^2/NDF: 39.2/42

All: -0.715+/-1.449 χ^2/NDF: 110.6/88

- sign 0.098+/-2.046 χ^2/NDF: 71.1/45

asym_bcm_an_us_bcm_an_ds3_agg_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

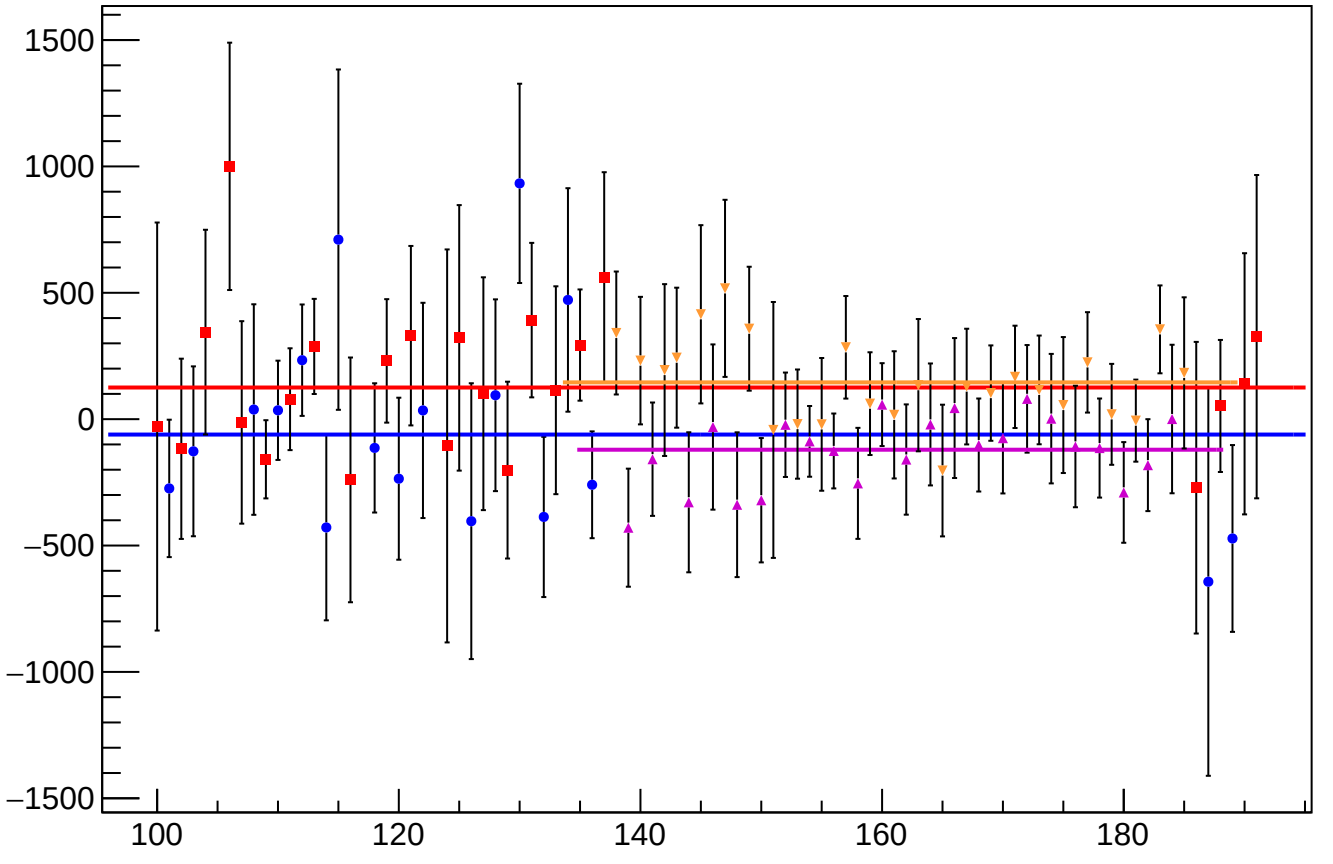
Right Out: 10.757+/-0.003 χ^2/NDF: 241479.2/22

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

+ sign 10.613+/-0.001 χ^2/NDF: 307595.0/42

All: 10.641+/-0.001 χ^2/NDF: 711220.8/88

- sign 10.670+/-0.001 χ^2/NDF: 402858.7/45



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: 125.251+/-65.290 χ^2/NDF: 13.6/22

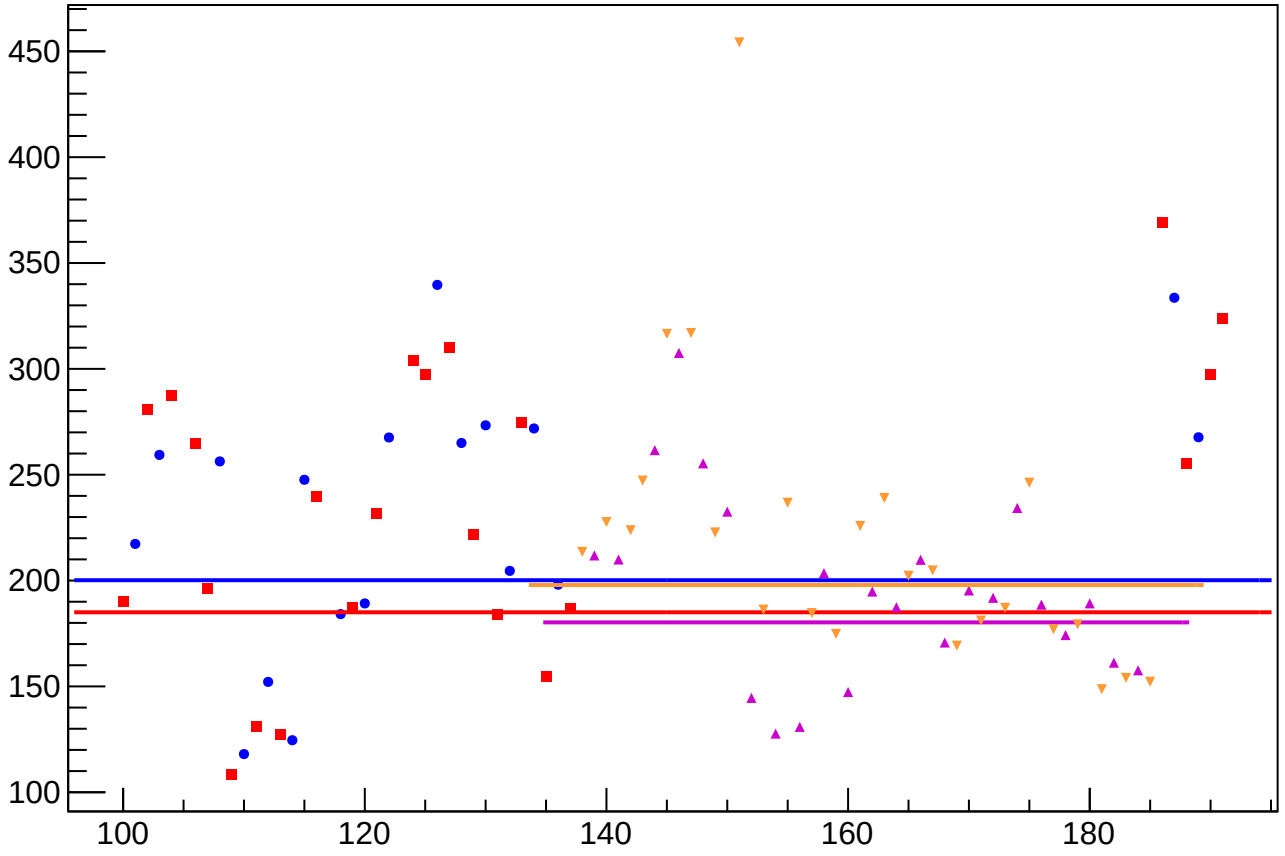
Left In: -120.888+/-43.994 χ^2/NDF:8.2/22

+ sign 87.960+/-39.581 χ^2/NDF: 33.3/42

All: 16.601+/-26.826 χ^2/NDF: 70.9/88

- sign -44.027+/-36.484 χ^2/NDF: 31.6/45

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

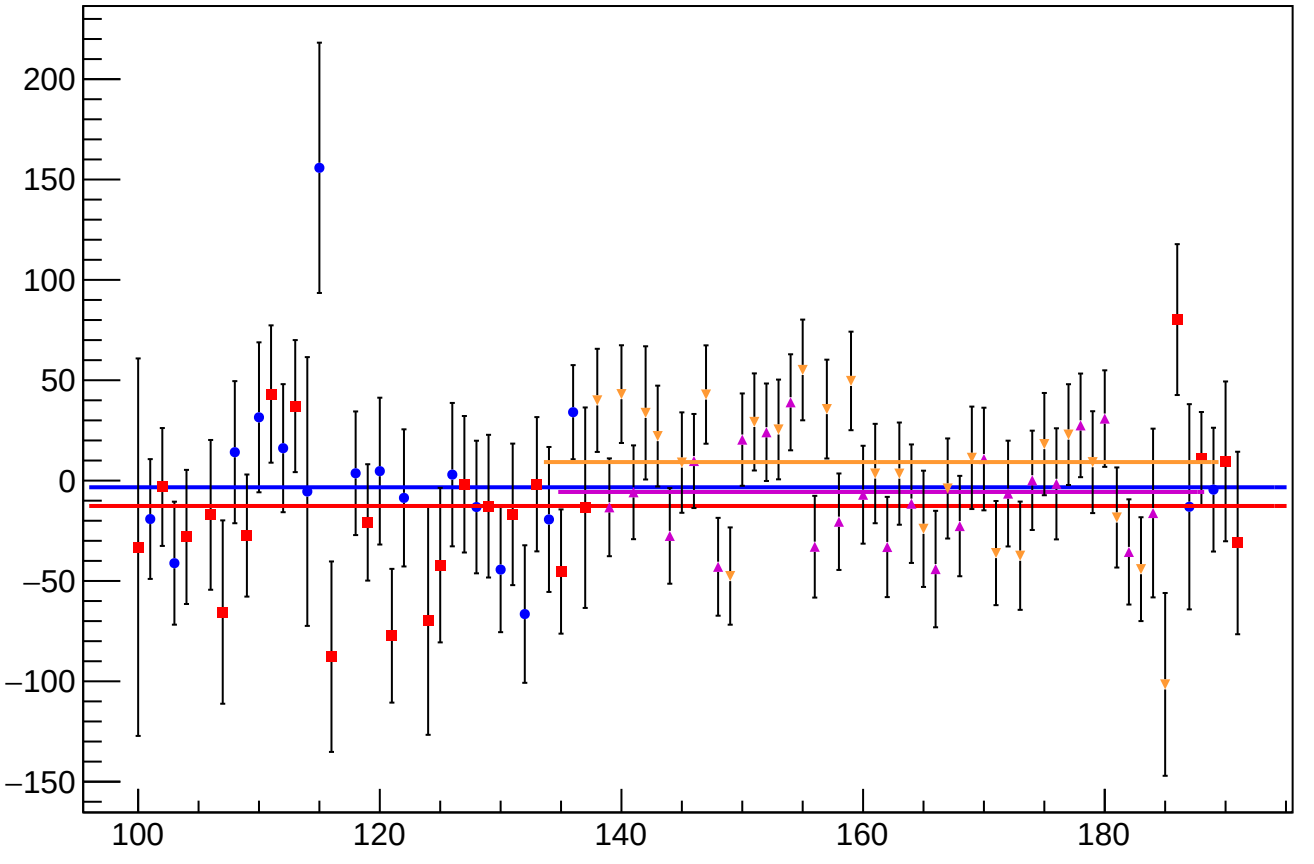
Right Out: 185.013+/-0.046 χ^2/NDF: 2188004.8/22

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

+ sign 198.524+/-0.028 χ^2/NDF: 2934482.2/42

All: 189.448+/-0.019 χ^2/NDF: 6952118.1/88

- sign 181.736+/-0.026 χ^2/NDF: 3823107.7/45



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: -12.643+/-7.414 χ^2/NDF: 23.8/22

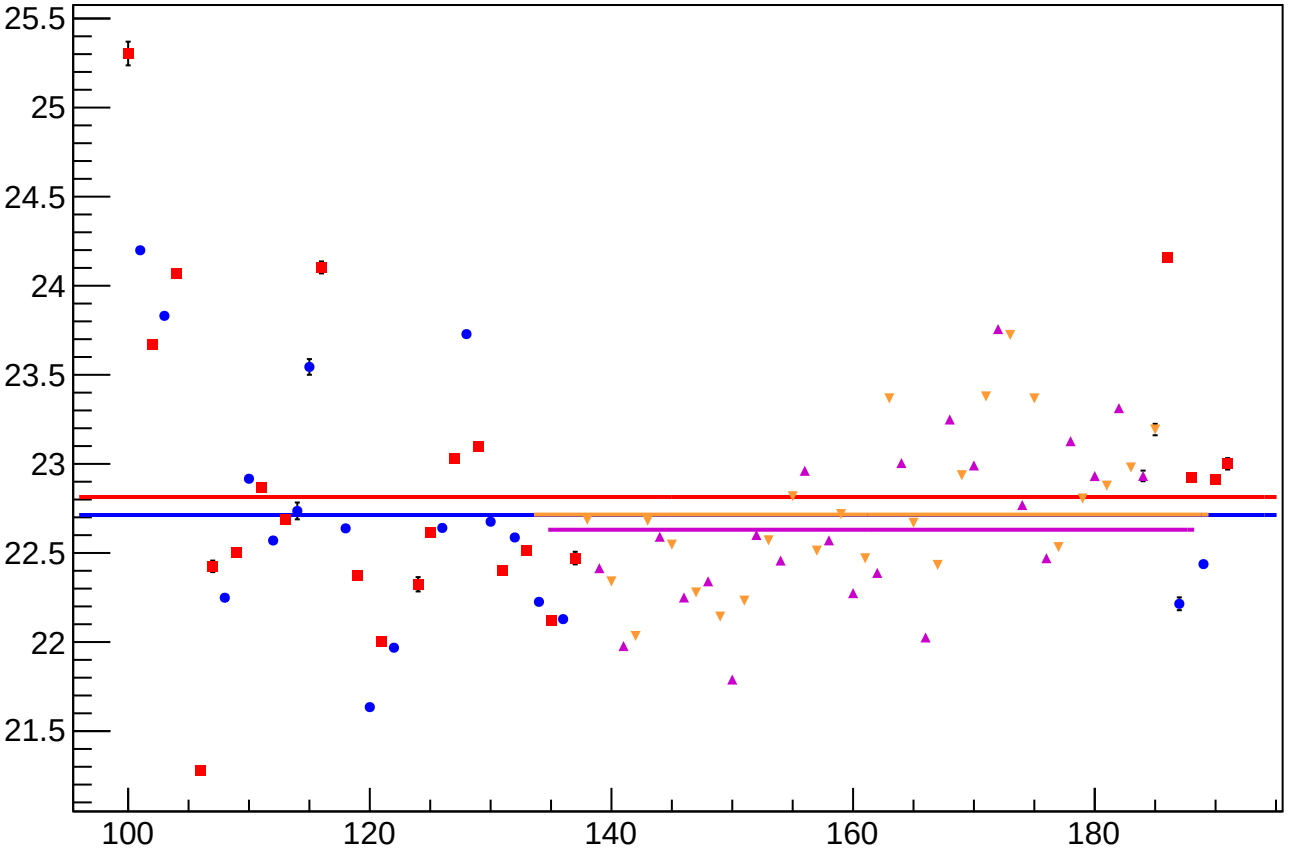
Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

+ sign 5.576+/-4.346 χ^2/NDF: 59.1/42

All: -1.287+/-3.058 χ^2/NDF: 109.2/88

- sign -8.019+/-4.304 χ^2/NDF: 45.1/45

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

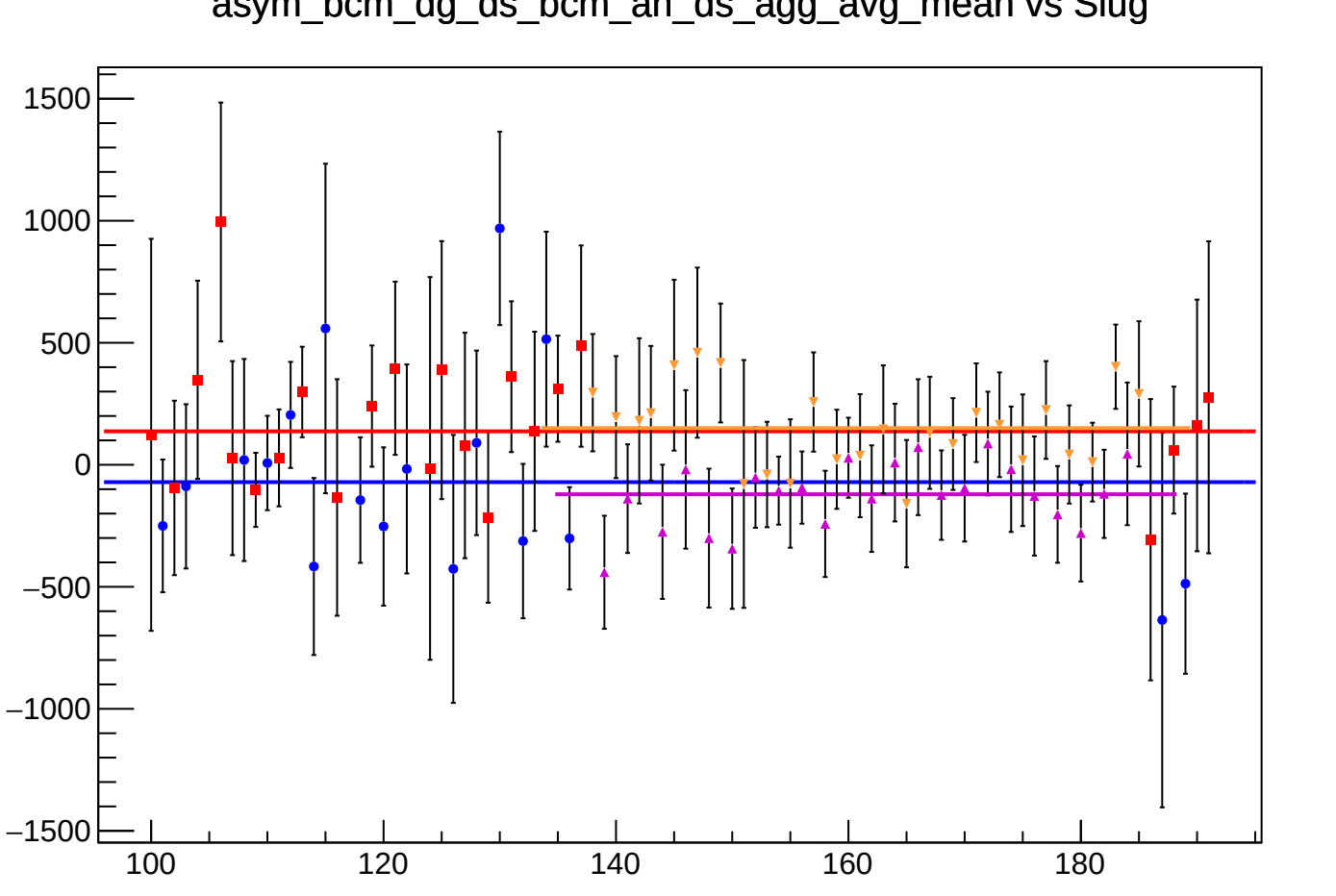
Right Out: 22.814+/-0.005 χ^2/NDF: 17379.5/22

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

+ sign 22.715+/-0.003 χ^2/NDF: 27187.4/42

All: 22.703+/-0.002 χ^2/NDF: 60797.9/88

- sign 22.692+/-0.003 χ^2/NDF: 33583.8/45



Right In: -71.053+/-74.619 χ^2/NDF: 17.3/17

Left Out: 150.218+/-46.535 χ^2/NDF:11.0/24

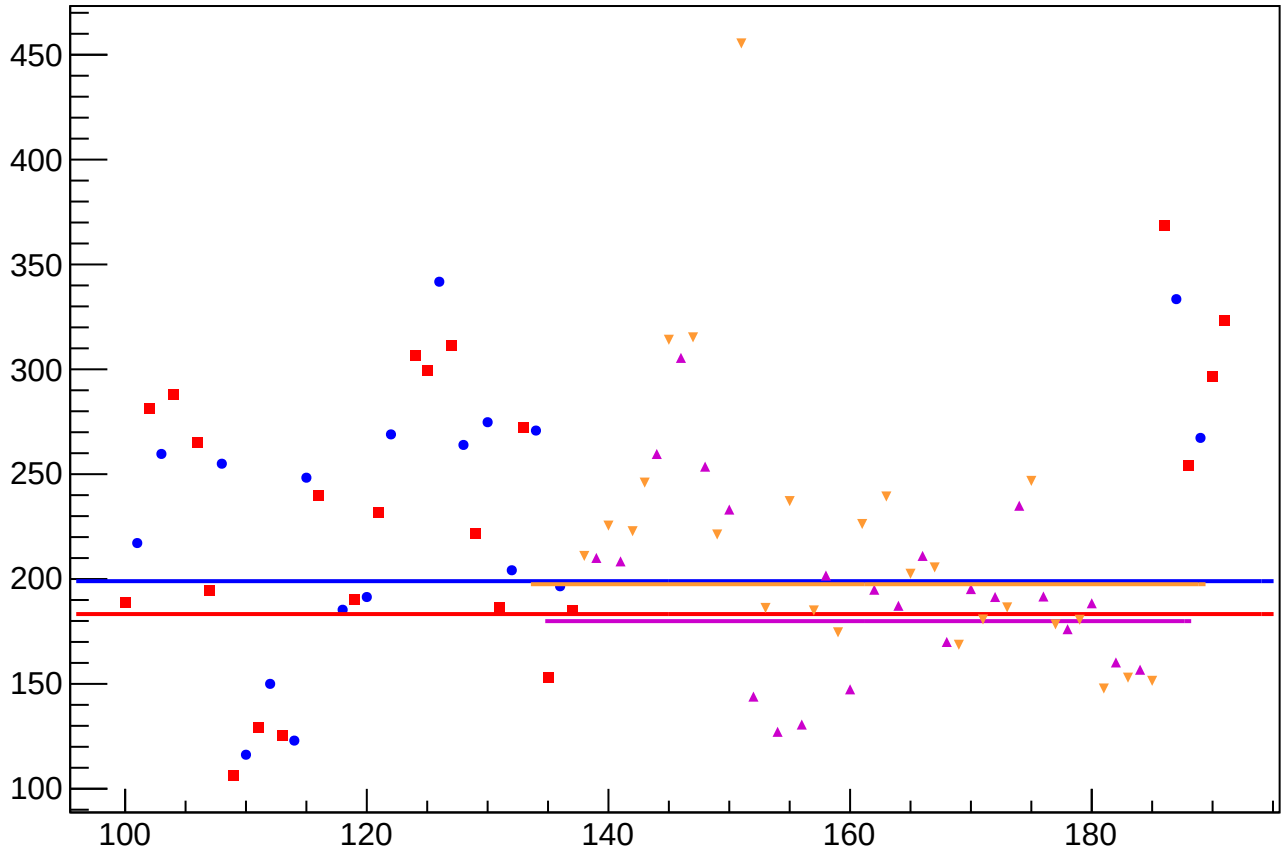
Right Out: 137.027+/-64.854 χ^2/NDF: 12.3/22

Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

+ sign 88.259+/-39.486 χ^2/NDF: 34.6/42

All: 19.021+/-26.750 χ^2/NDF: 71.3/88

- sign -39.706+/-36.366 χ^2/NDF: 31.0/45



Right In: 198.986+/-0.053 χ^2/NDF: 1188435.4/17

Left Out: 197.534+/-0.033 χ^2/NDF:1789891.0/24

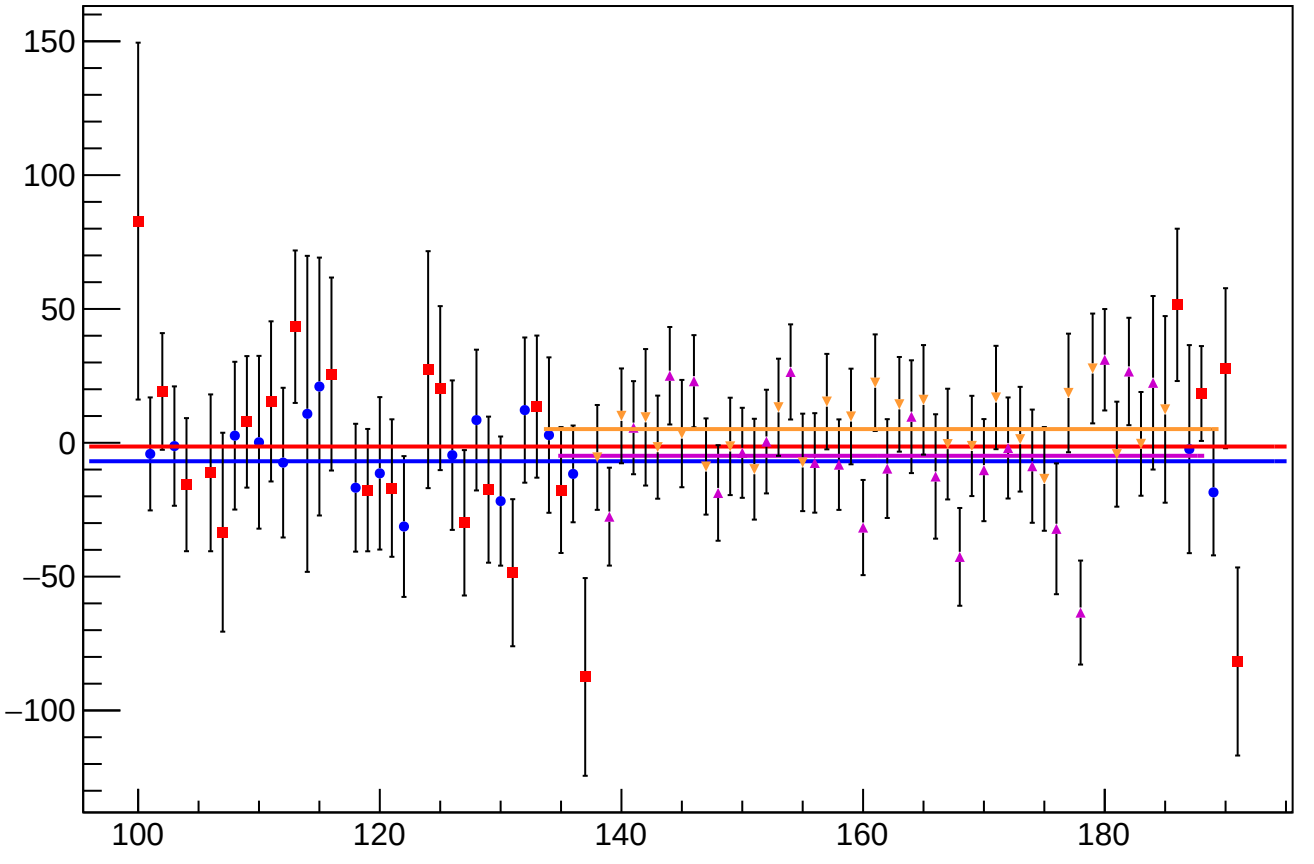
Right Out: 183.296+/-0.046 χ^2/NDF: 2272031.4/22

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

+ sign 197.941+/-0.028 χ^2/NDF: 2978871.9/42

All: 188.766+/-0.019 χ^2/NDF: 7078326.3/88

- sign 180.984+/-0.026 χ^2/NDF: 3899882.8/45



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: -1.397+/-5.778 χ^2/NDF: 30.5/22

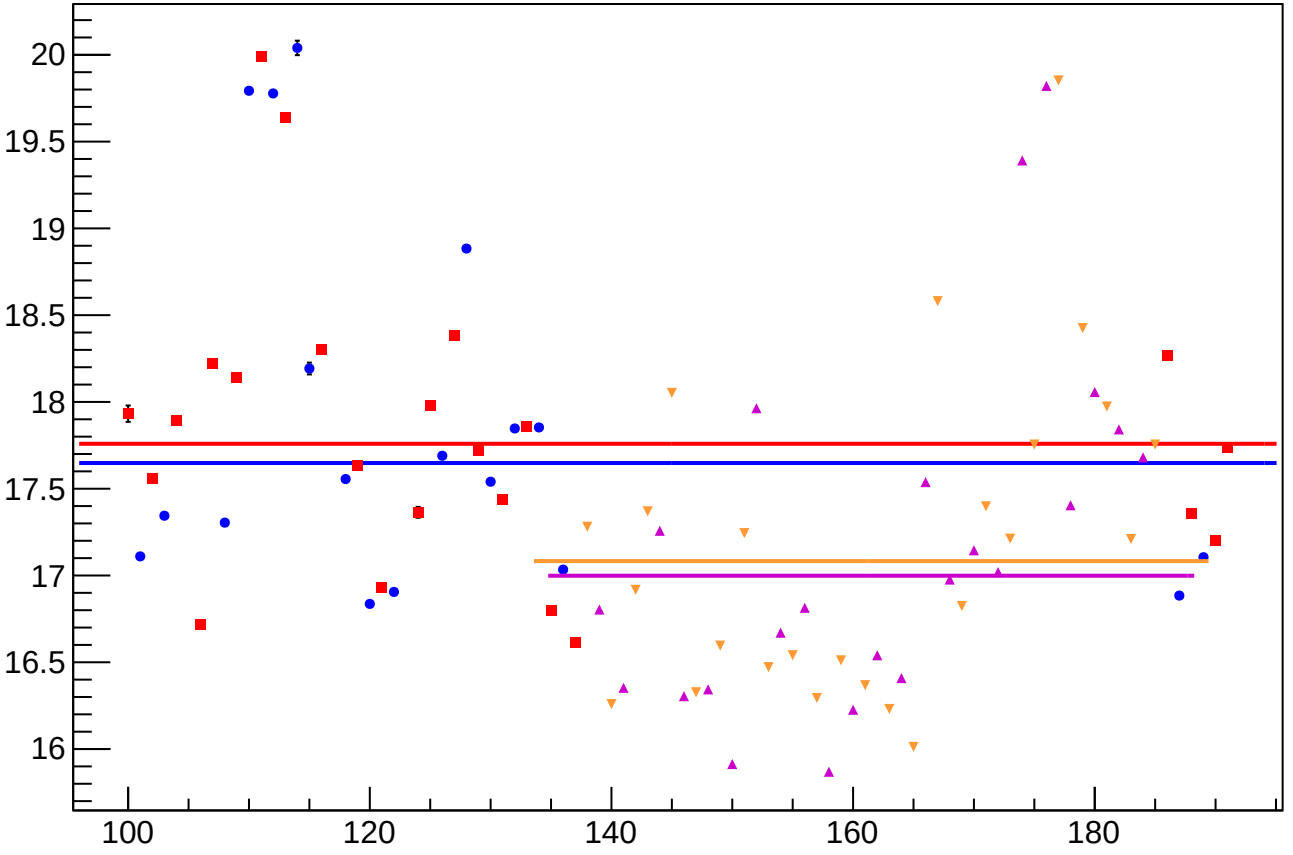
Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign 1.776+/-3.305 χ^2/NDF: 14.0/42

All: -1.007+/-2.327 χ^2/NDF: 81.6/88

- sign -3.744+/-3.278 χ^2/NDF: 66.2/45

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

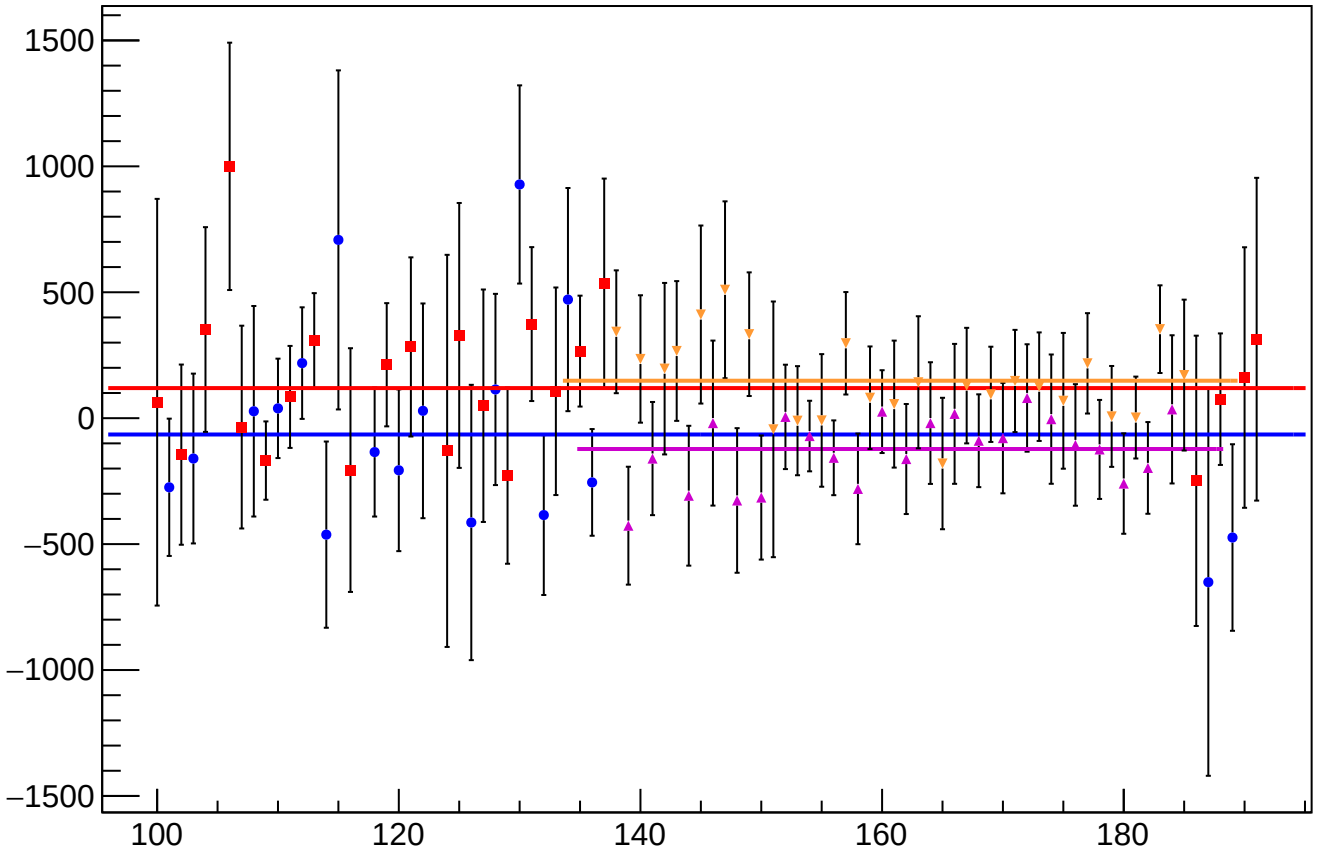
Right Out: 17.759+/-0.004 χ^2/NDF: 35212.9/22

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

+ sign 17.240+/-0.002 χ^2/NDF: 146534.3/42

All: 17.242+/-0.002 χ^2/NDF: 309244.6/88

- sign 17.243+/-0.002 χ^2/NDF: 162709.4/45



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: 119.500+/-65.480 χ^2/NDF: 13.4/22

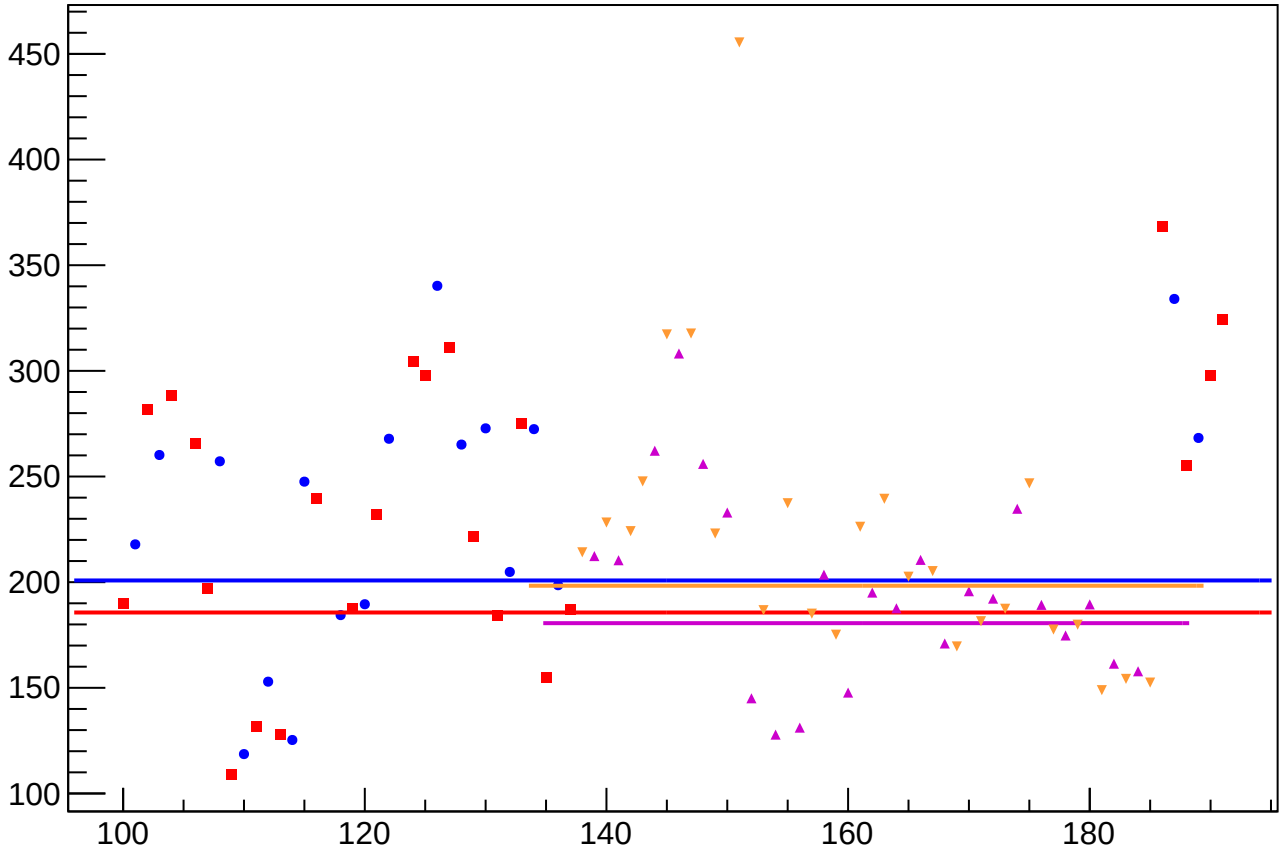
Left In: -122.376+/-44.081 χ^2/NDF:7.9/22

+ sign 89.257+/-39.675 χ^2/NDF: 32.9/42

All: 15.614+/-26.888 χ^2/NDF: 69.9/88

- sign -46.944+/-36.567 χ^2/NDF: 30.7/45

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

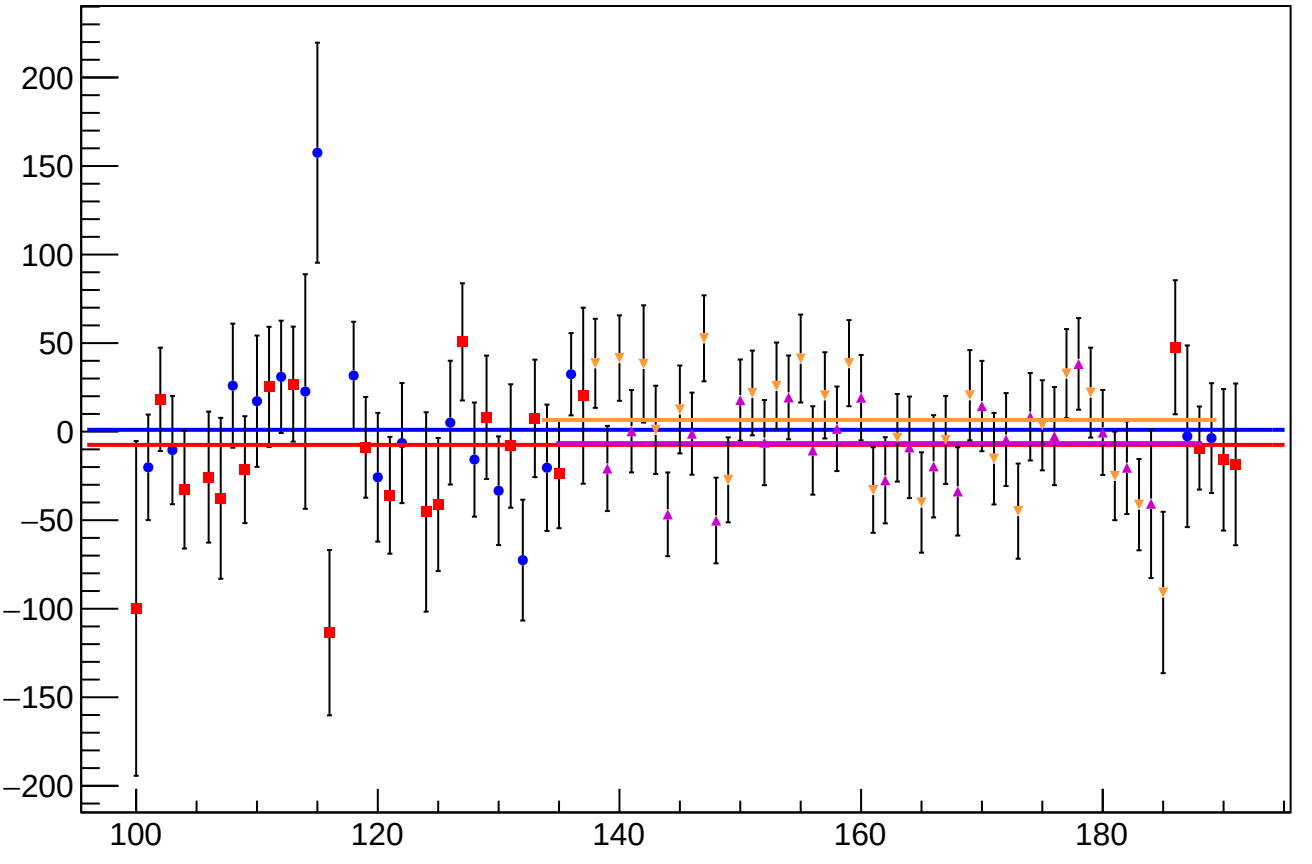
Right Out: 185.648+/-0.046 χ^2/NDF: 2170849.7/22

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

+ sign 199.009+/-0.028 χ^2/NDF: 2925133.1/42

All: 189.907+/-0.019 χ^2/NDF: 6926898.6/88

- sign 182.175+/-0.026 χ^2/NDF: 3807098.4/45



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: -7.458+/-7.352 χ^2/NDF: 18.7/22

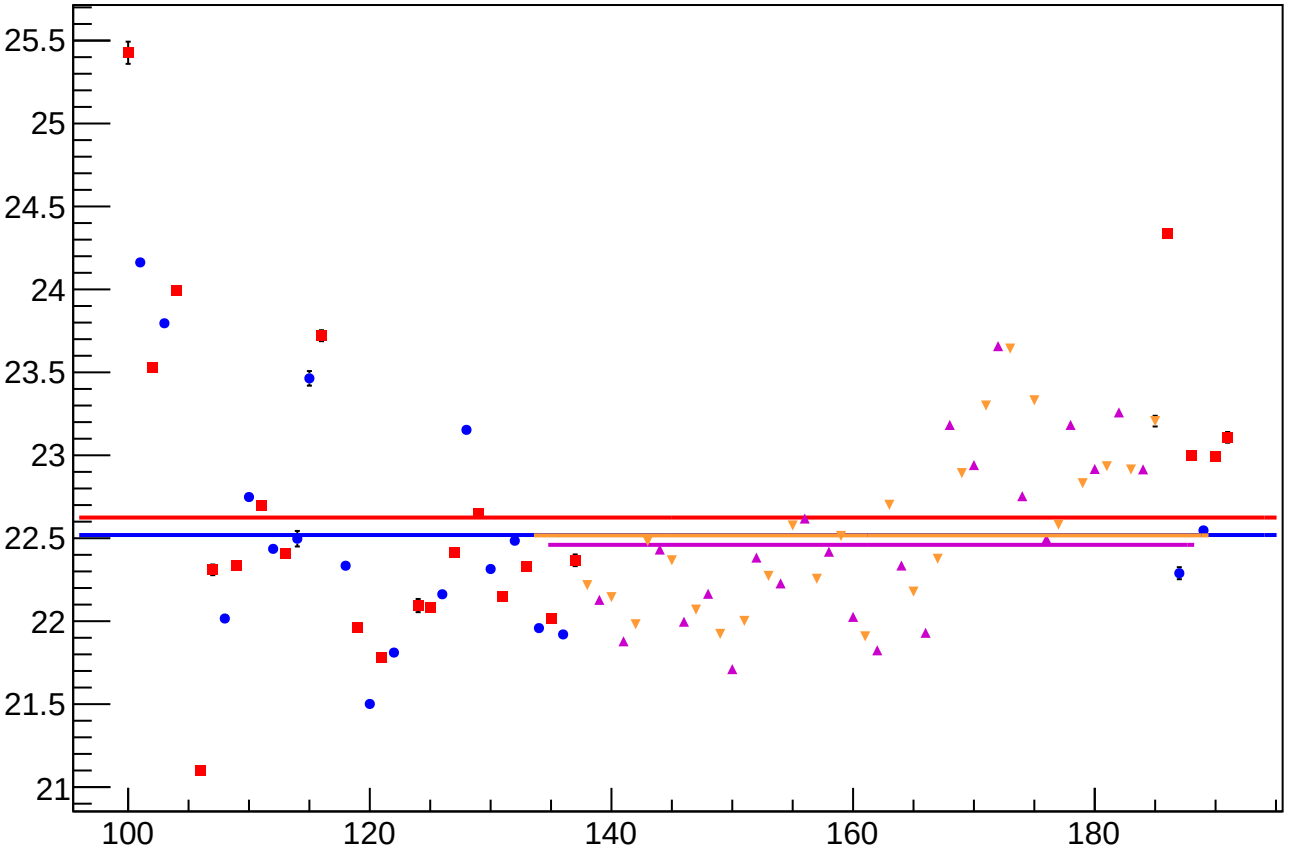
Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign 4.987+/-4.308 χ^2/NDF: 55.9/42

All: -0.963+/-3.033 χ^2/NDF: 95.9/88

- sign -6.811+/-4.271 χ^2/NDF: 36.2/45

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: 22.625+/-0.005 χ^2/NDF: 21360.3/22

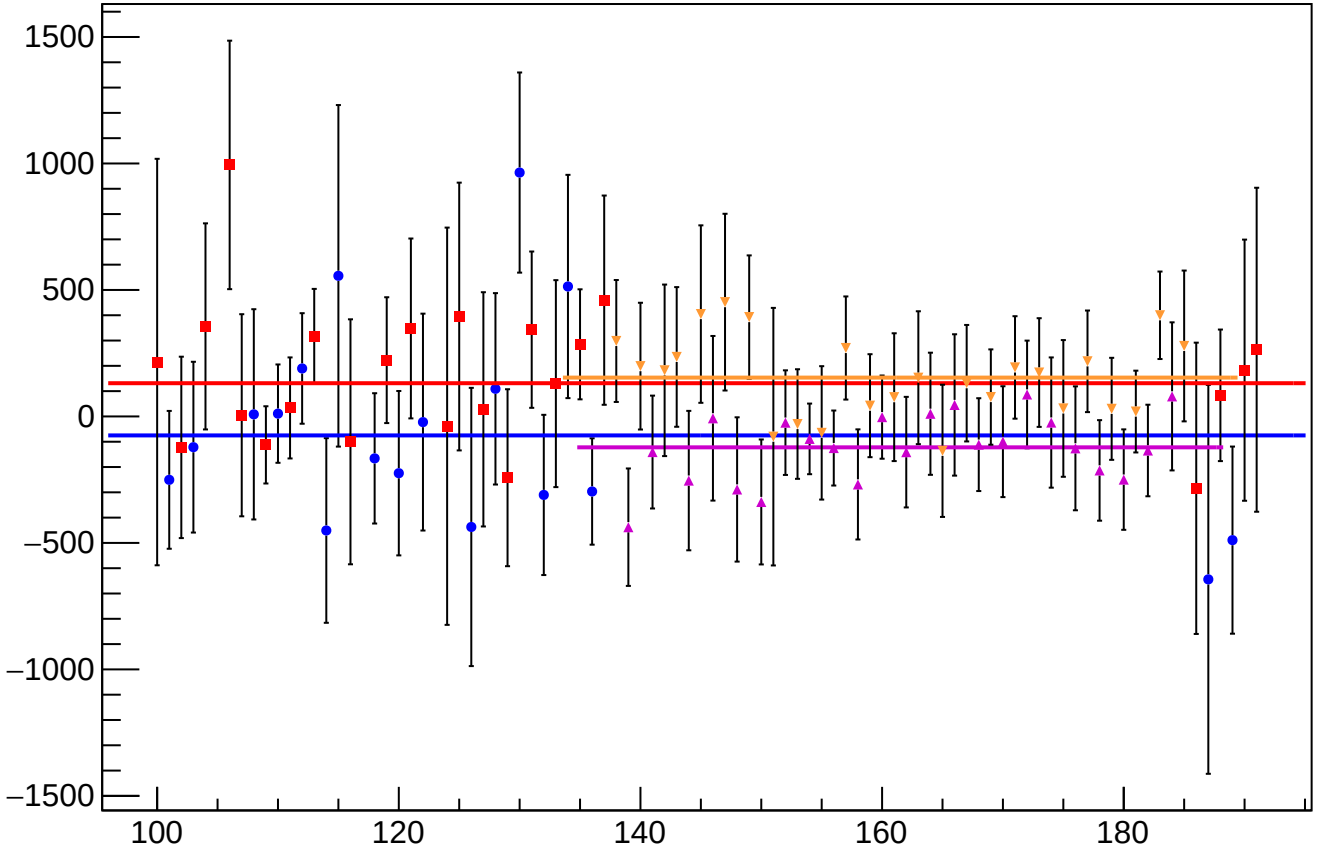
Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

+ sign 22.518+/-0.003 χ^2/NDF: 31992.7/42

All: 22.517+/-0.002 χ^2/NDF: 73134.2/88

- sign 22.516+/-0.003 χ^2/NDF: 41141.2/45

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: -75.018+/-74.837 χ^2/NDF: 17.2/17

Left Out: 153.507+/-46.636 χ^2/NDF:10.1/24

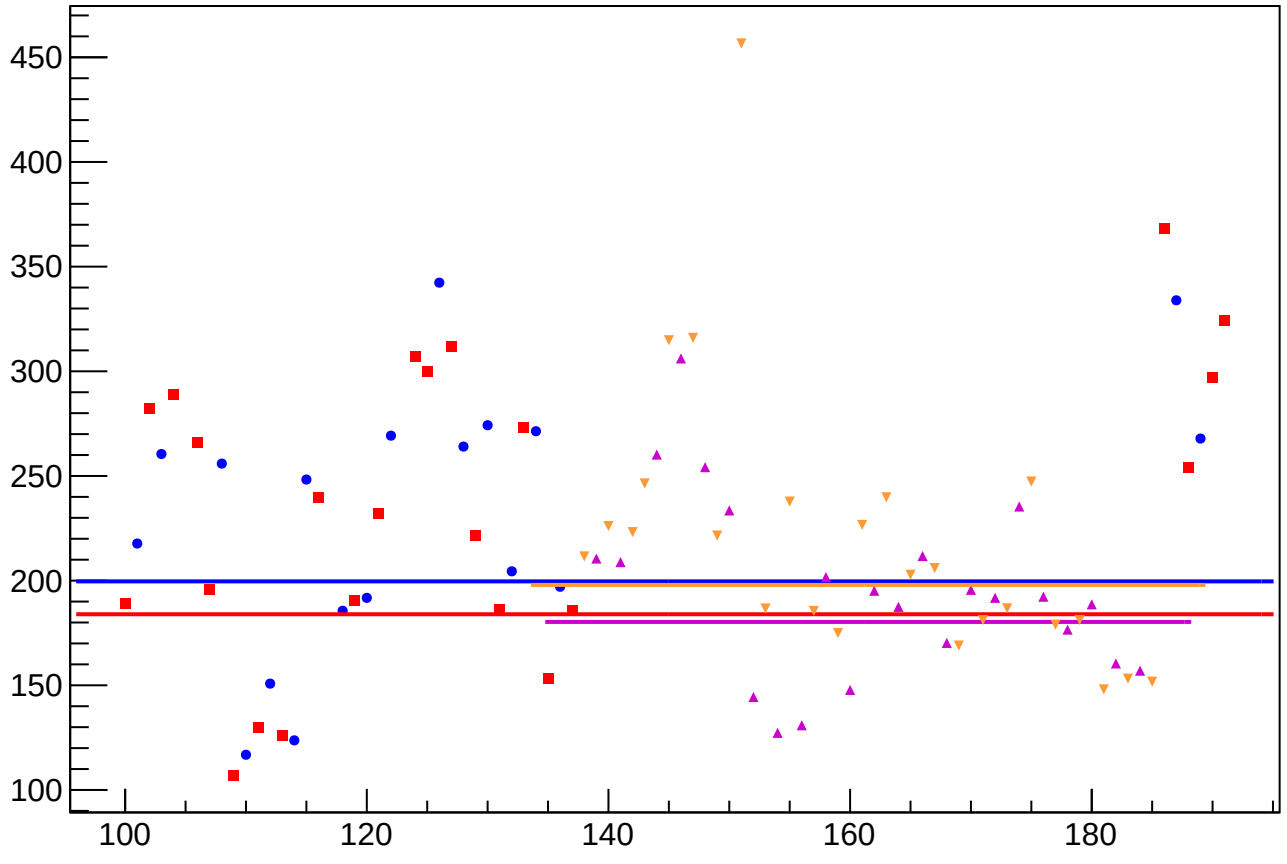
Right Out: 131.373+/-65.048 χ^2/NDF: 12.2/22

Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

+ sign 89.586+/-39.580 χ^2/NDF: 34.0/42

All: 18.080+/-26.812 χ^2/NDF: 70.1/88

- sign -42.559+/-36.449 χ^2/NDF: 30.1/45



Right In: 199.643+/-0.053 χ^2/NDF: 1176738.0/17

Left Out: 197.957+/-0.033 χ^2/NDF:1791354.6/24

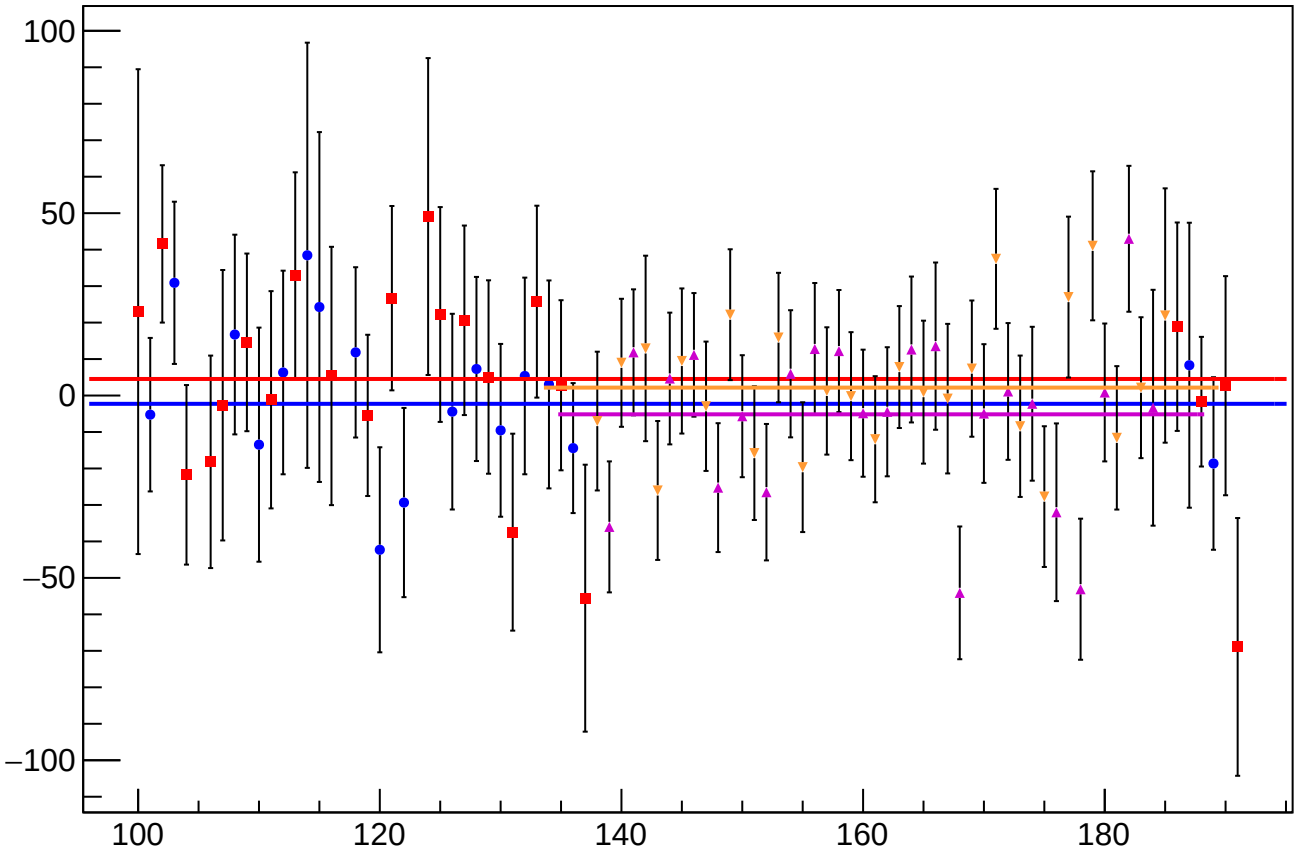
Right Out: 183.944+/-0.046 χ^2/NDF: 2253918.1/22

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

+ sign 198.429+/-0.028 χ^2/NDF: 2968823.3/42

All: 189.229+/-0.019 χ^2/NDF: 7051489.3/88

- sign 181.427+/-0.026 χ^2/NDF: 3882968.6/45



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: 4.543+/-5.707 χ^2/NDF: 19.3/22

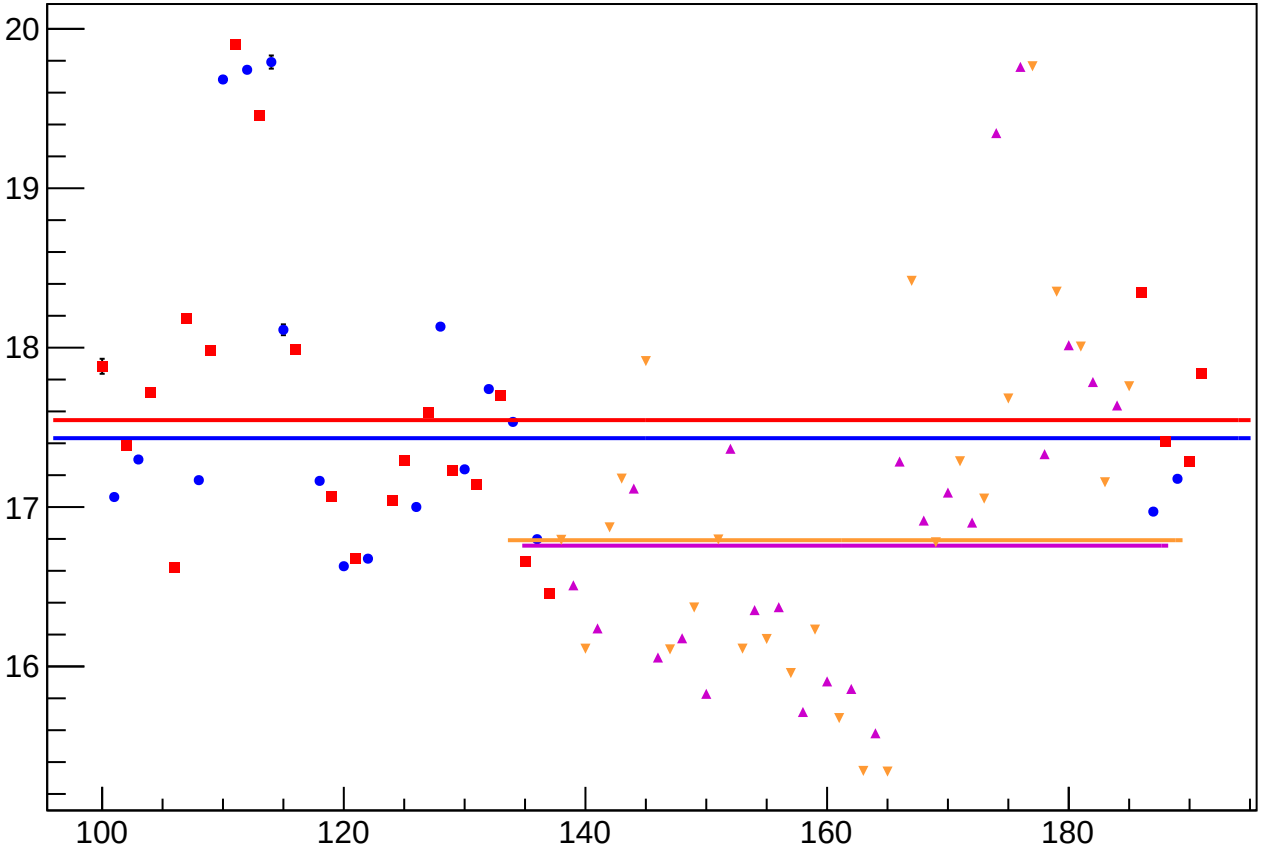
Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign 0.944+/-3.254 χ^2/NDF: 28.9/42

All: -0.557+/-2.293 χ^2/NDF: 82.9/88

- sign -2.039+/-3.234 χ^2/NDF: 53.5/45

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

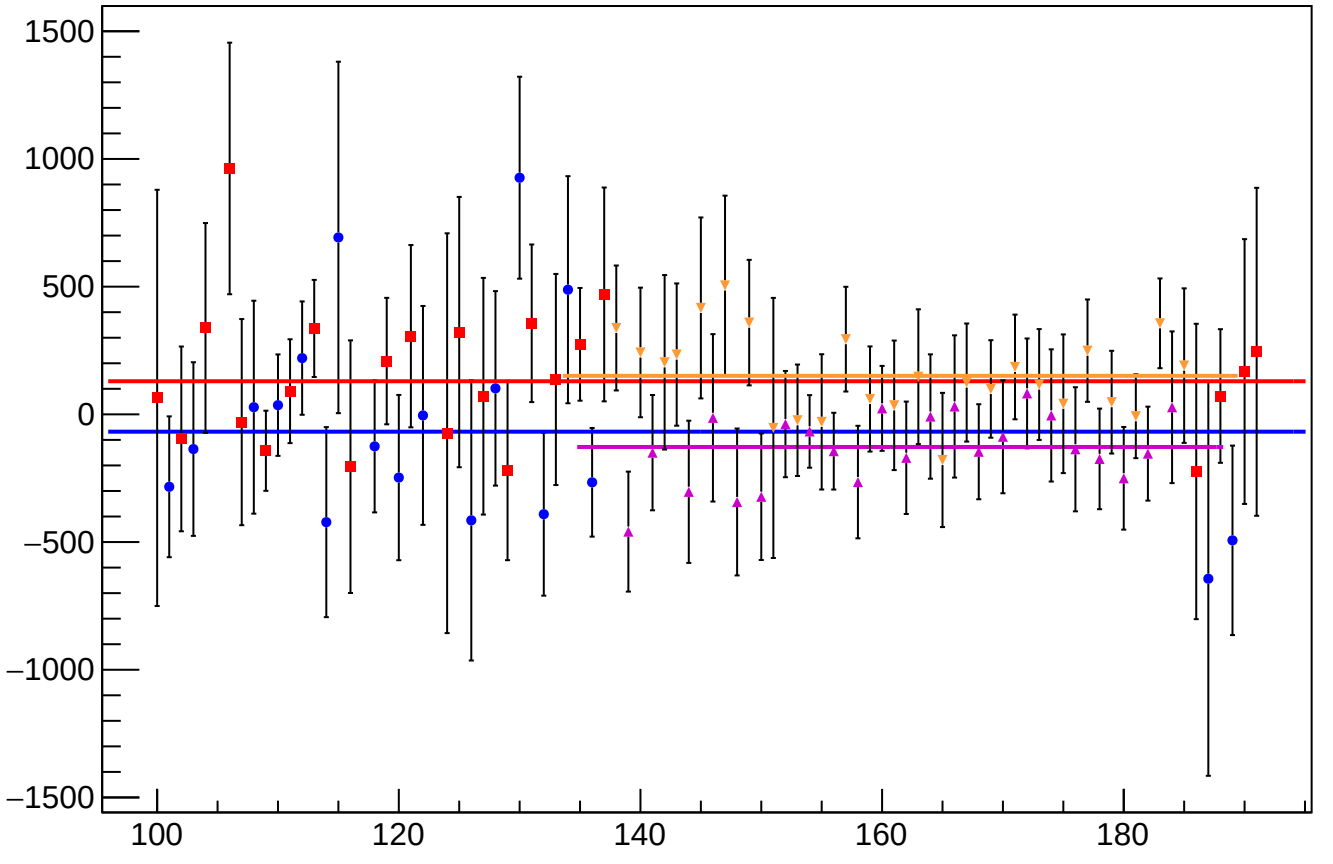
Right Out: 17.545+/-0.004 χ^2/NDF: 36715.9/22

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

+ sign 16.969+/-0.002 χ^2/NDF: 189701.2/42

All: 16.990+/-0.002 χ^2/NDF: 375746.5/88

- sign 17.011+/-0.002 χ^2/NDF: 185880.8/45



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: 129.621+/-65.875 χ^2/NDF: 12.0/22

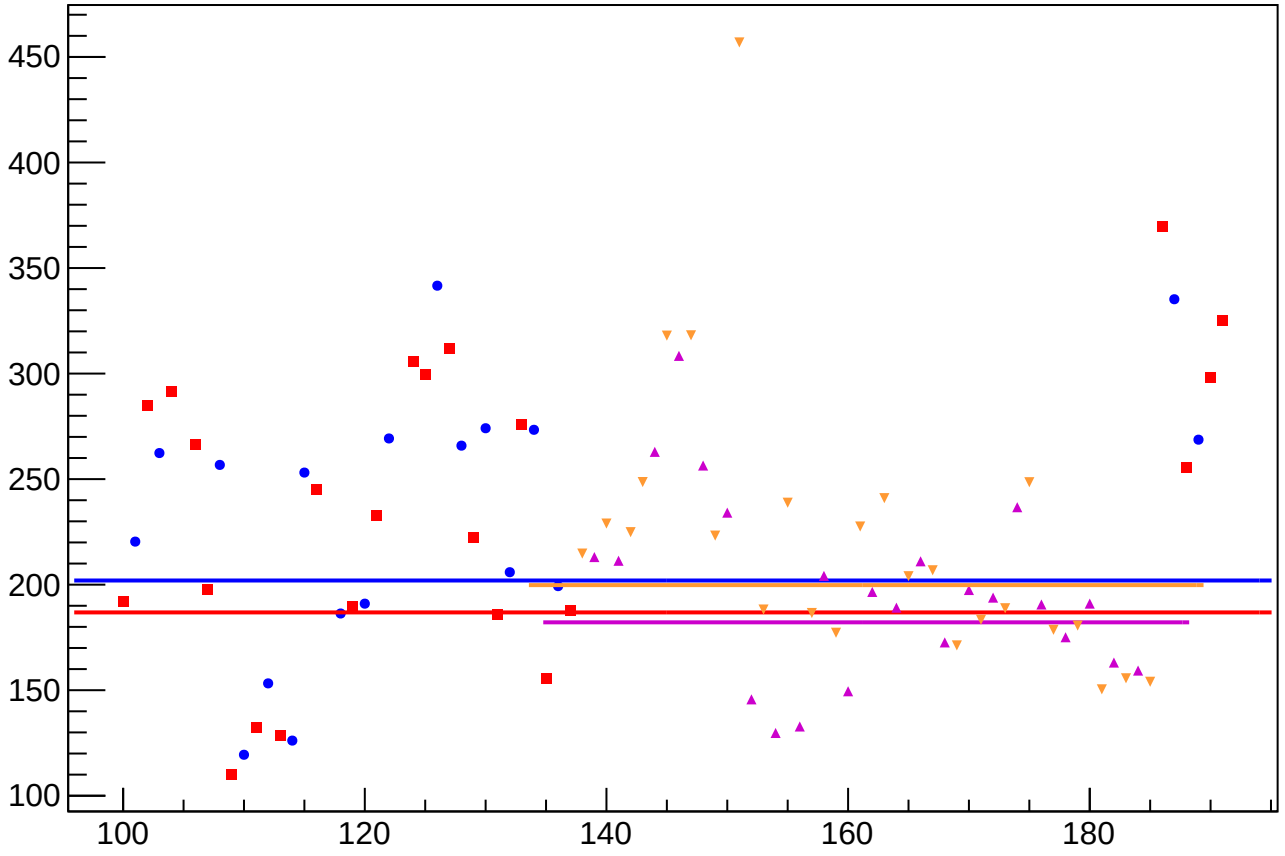
Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

+ sign 89.824+/-39.933 χ^2/NDF: 33.4/42

All: 15.755+/-27.074 χ^2/NDF: 70.1/88

- sign -47.261+/-36.833 χ^2/NDF: 30.3/45

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

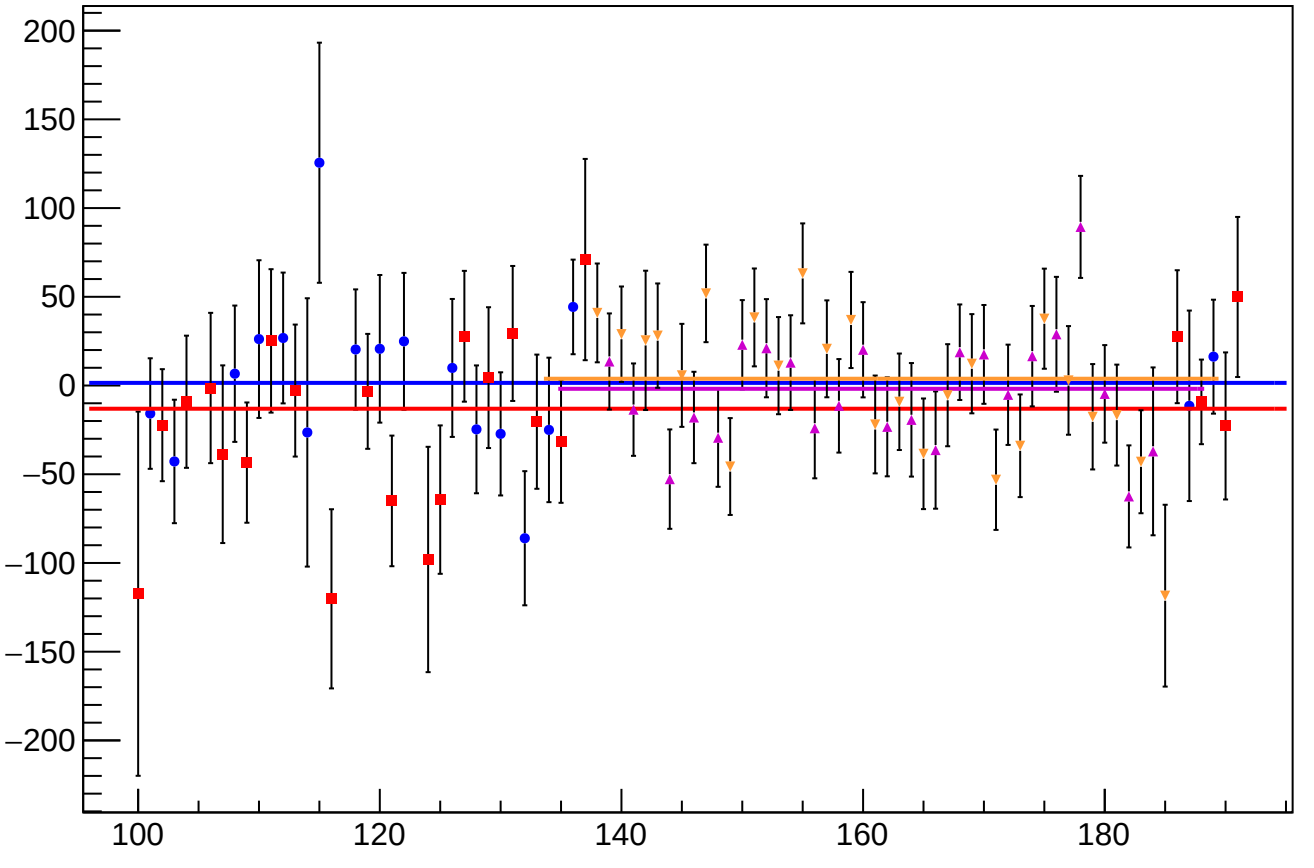
Right Out: 186.851+/-0.047 χ^2/NDF: 2165292.8/22

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

+ sign 200.396+/-0.028 χ^2/NDF: 2892234.9/42

All: 191.331+/-0.019 χ^2/NDF: 6839602.6/88

- sign 183.620+/-0.026 χ^2/NDF: 3756651.8/45



Right In: 1.492+/-8.915 χ^2/NDF: 17.0/17

Left Out: 3.831+/-5.789 χ^2/NDF:37.6/24

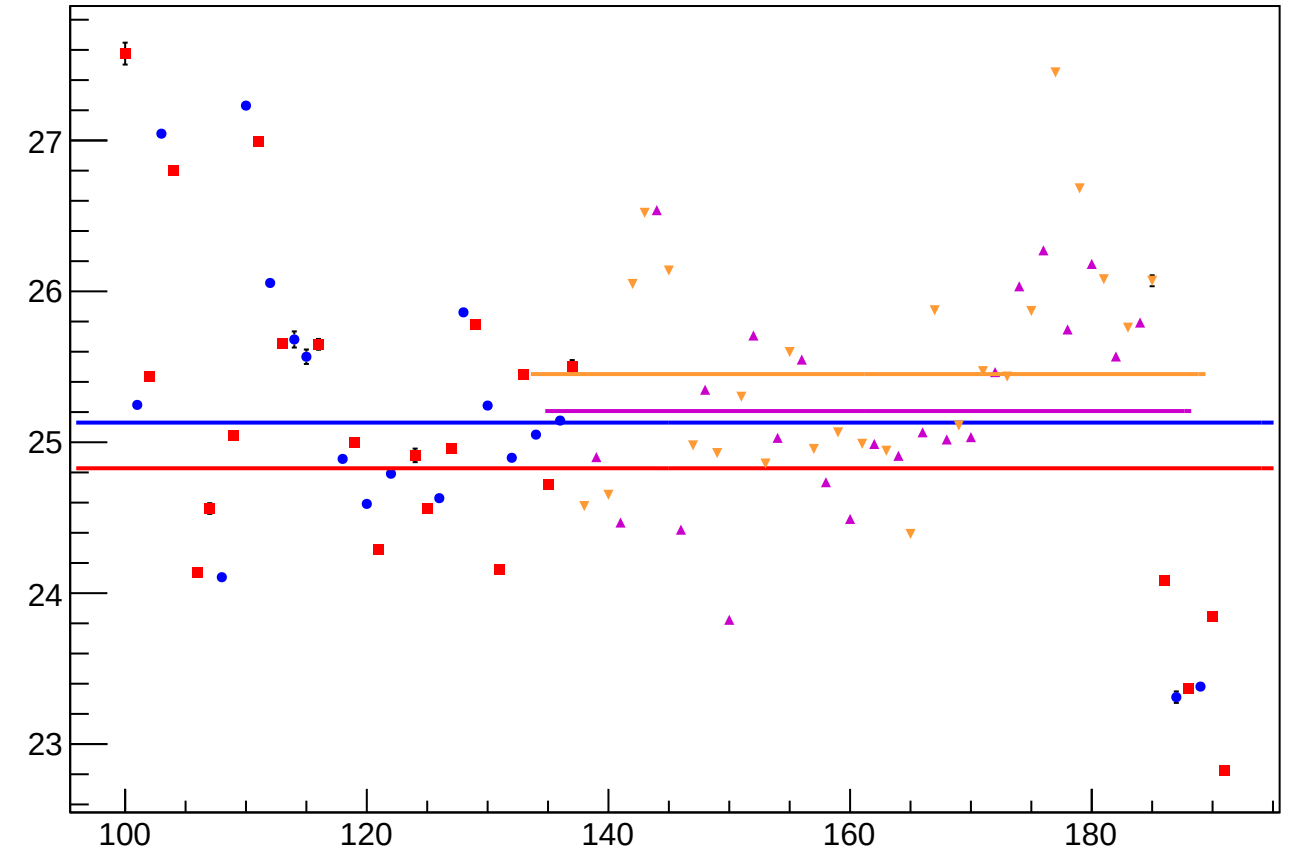
Right Out: -13.075+/-8.074 χ^2/NDF: 21.5/22

Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

+ sign 3.137+/-4.855 χ^2/NDF: 54.7/42

All: -1.395+/-3.399 χ^2/NDF: 107.2/88

- sign -5.751+/-4.760 χ^2/NDF: 50.8/45



Right In: 25.130+/-0.006 χ^2/NDF: 23513.5/17

Left Out: 25.452+/-0.004 χ^2/NDF:29612.4/24

Right Out: 24.828+/-0.006 χ^2/NDF: 32235.2/22

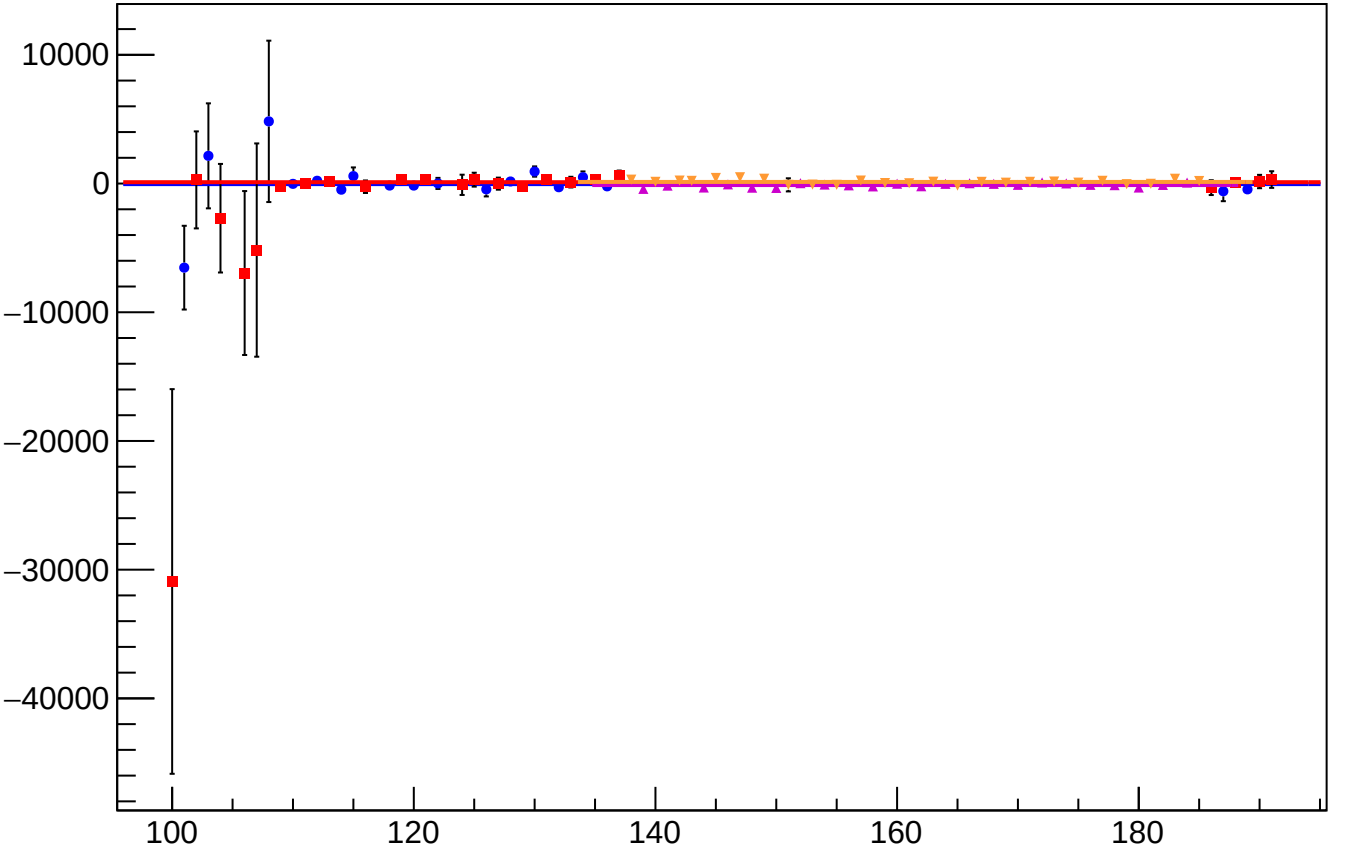
Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

+ sign 25.356+/-0.003 χ^2/NDF: 54955.8/42

All: 25.213+/-0.002 χ^2/NDF: 119322.7/88

- sign 25.075+/-0.003 χ^2/NDF: 60940.5/45

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: -43.428+/-82.109 χ^2/NDF: 20.1/17

Left Out: 125.161+/-46.925 χ^2/NDF:11.1/24

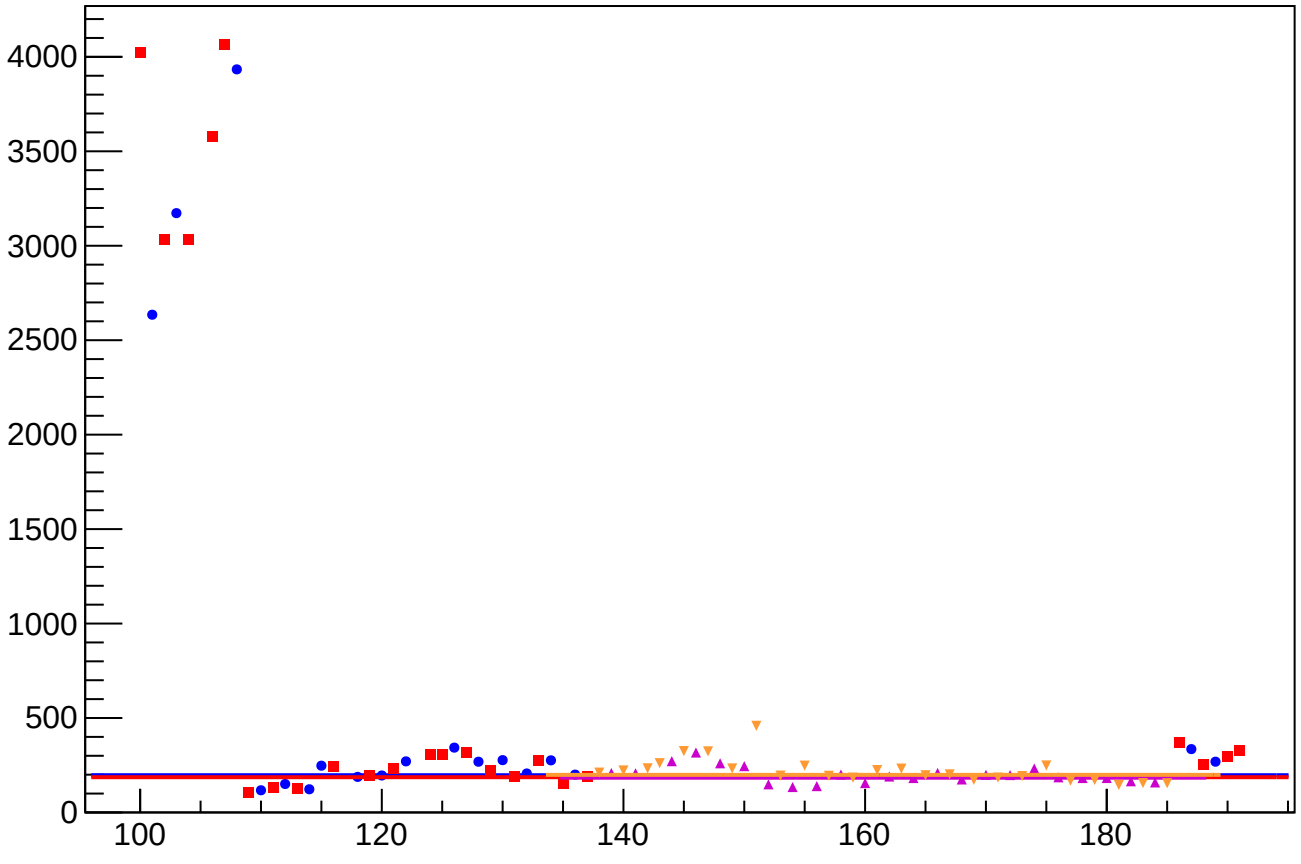
Right Out: 105.005+/-72.989 χ^2/NDF: 14.7/22

Left In: -117.291+/-44.871 χ^2/NDF:8.0/22

+ sign 83.654+/-40.741 χ^2/NDF: 34.4/42

All: 9.212+/-27.877 χ^2/NDF: 70.1/88

- sign -56.320+/-38.226 χ^2/NDF: 29.4/45



Right In: 197.131+/-0.058 χ^2/NDF: 3968536.0/17

Left Out: 198.994+/-0.033 χ^2/NDF:1902155.1/24

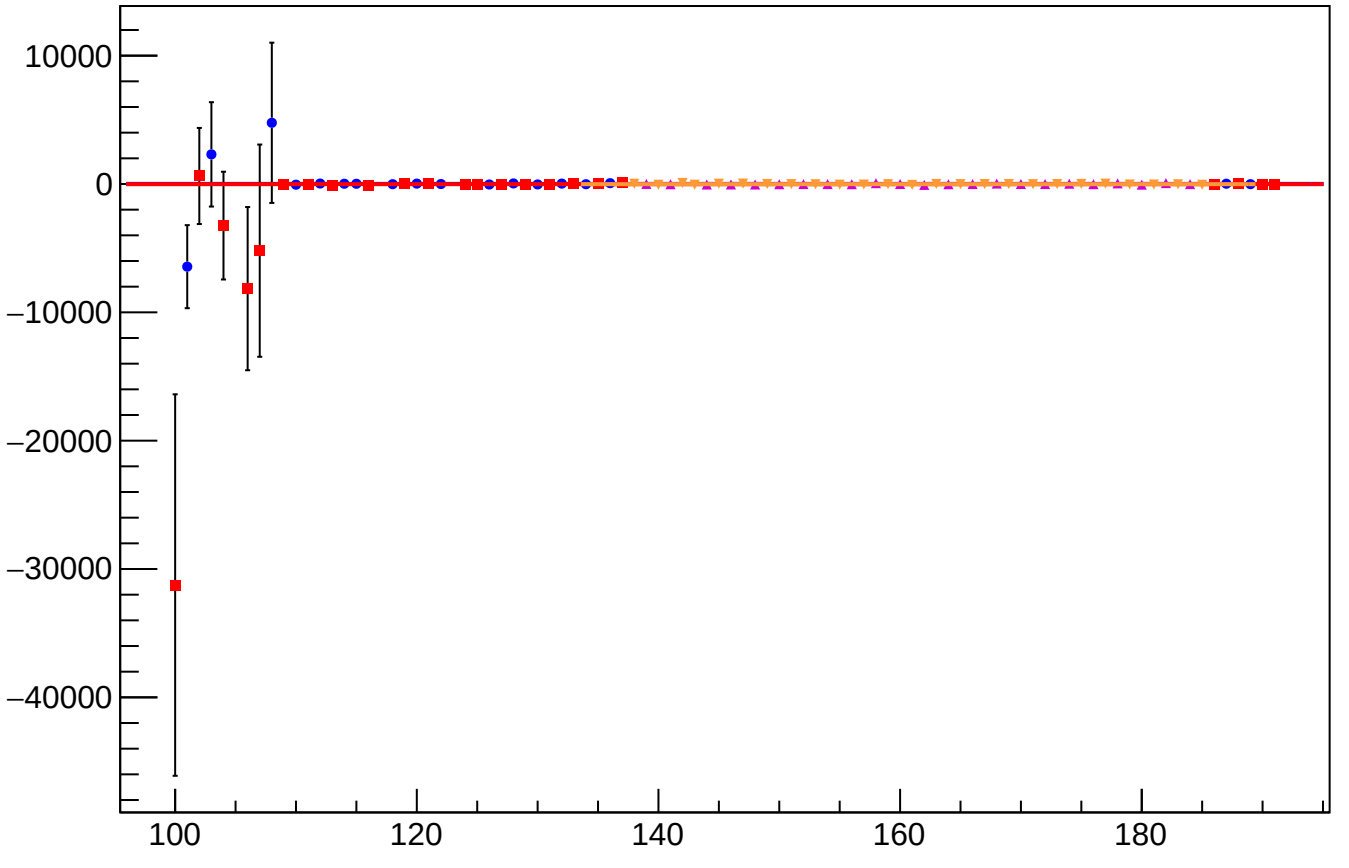
Right Out: 186.542+/-0.052 χ^2/NDF: 4893155.3/22

Left In: 184.399+/-0.032 χ^2/NDF:1446306.0/22

+ sign 198.535+/-0.029 χ^2/NDF: 5871467.4/42

All: 191.330+/-0.020 χ^2/NDF: 12329808.0/88

- sign 184.987+/-0.027 χ^2/NDF: 6340713.1/45



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: -13.170+/-10.202 χ^2/NDF: 26.8/22

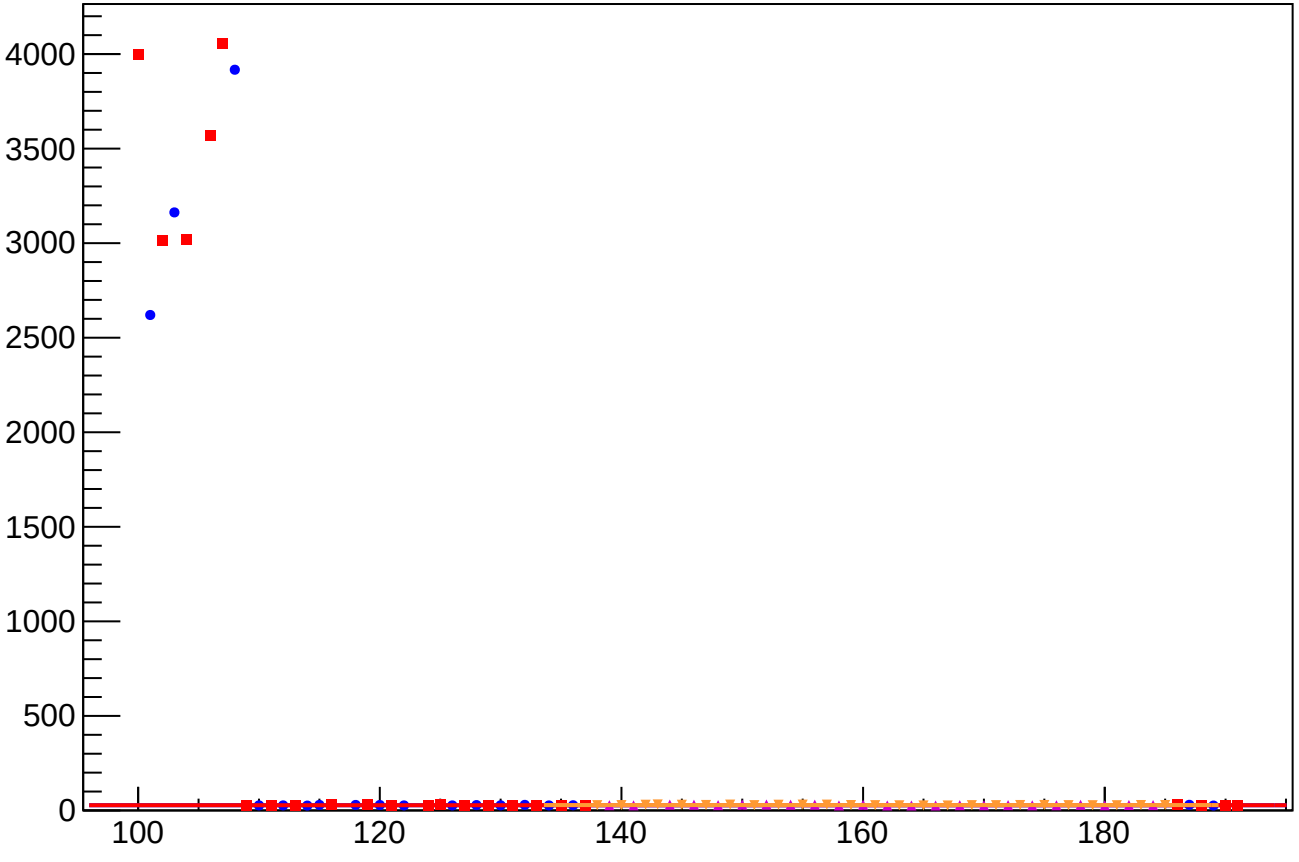
Left In: -2.172+/-6.703 χ^2/NDF:28.3/22

+ sign -8.930+/-5.598 χ^2/NDF: 41.8/42

All: -7.211+/-3.960 χ^2/NDF: 97.8/88

- sign -5.489+/-5.602 χ^2/NDF: 55.9/45

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

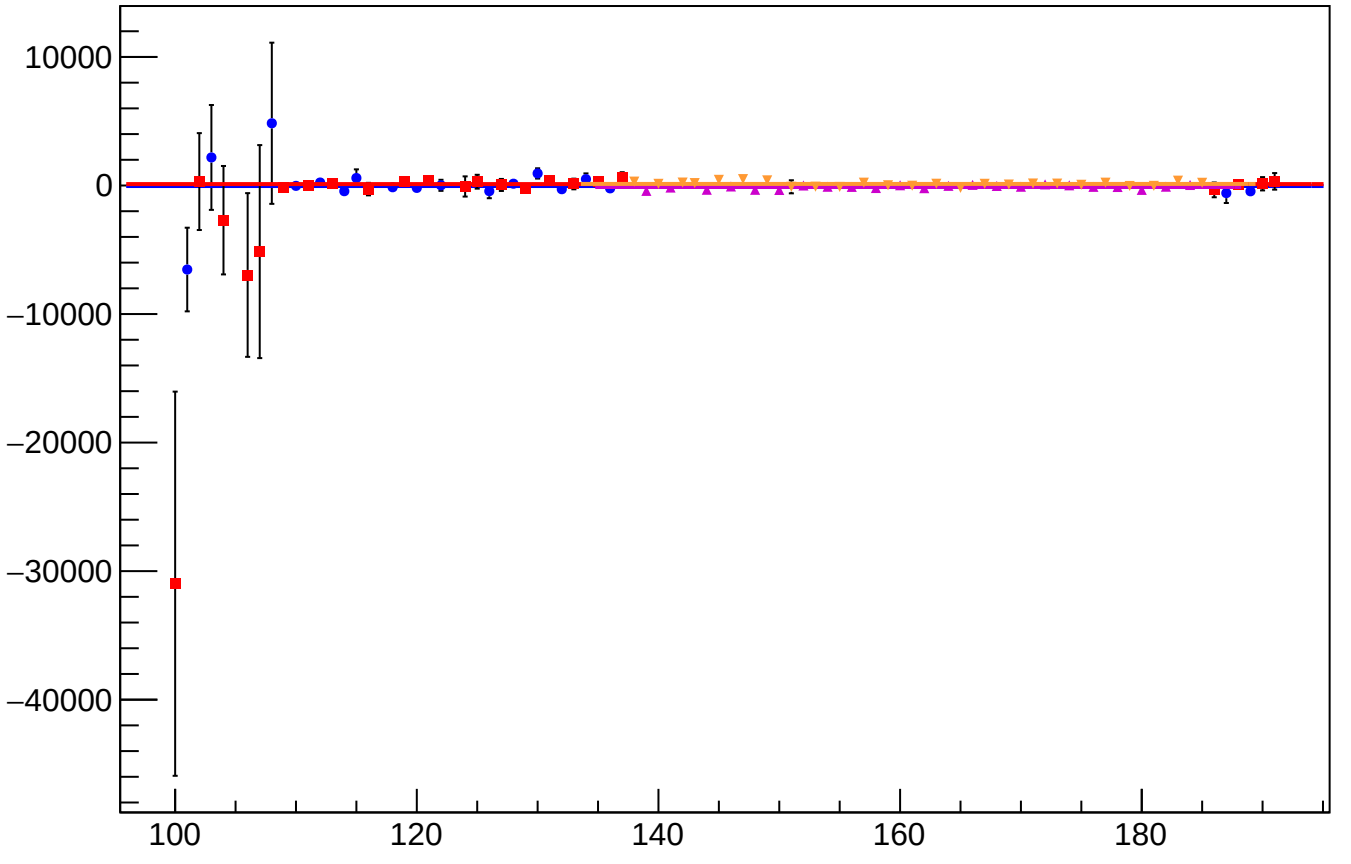
Right Out: 27.678+/-0.007 χ^2/NDF: 3577106.4/22

Left In: 28.606+/-0.005 χ^2/NDF:122928.2/22

+ sign 28.310+/-0.004 χ^2/NDF: 3373764.0/42

All: 28.318+/-0.003 χ^2/NDF: 7085369.9/88

- sign 28.326+/-0.004 χ^2/NDF: 3711598.1/45



Right In: -41.052+/-81.874 χ^2/NDF: 20.2/17

Left Out: 121.915+/-46.825 χ^2/NDF:12.0/24

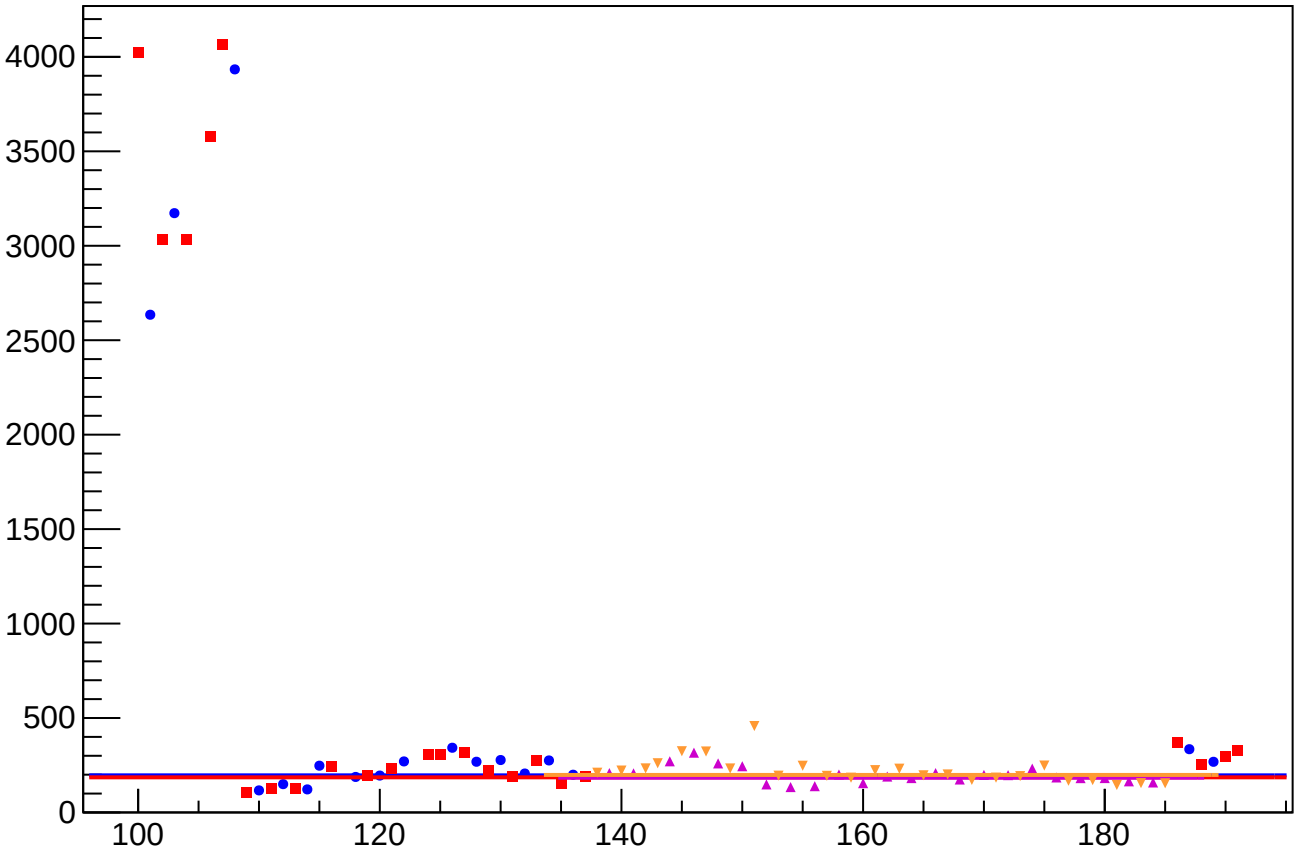
Right Out: 110.690+/-72.796 χ^2/NDF: 15.2/22

Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign 81.749+/-40.647 χ^2/NDF: 35.1/42

All: 9.604+/-27.815 χ^2/NDF: 71.7/88

- sign -53.933+/-38.145 χ^2/NDF: 30.7/45



Right In: 196.462+/-0.058 χ^2/NDF: 3981636.7/17

Left Out: 198.571+/-0.033 χ^2/NDF:1901504.1/24

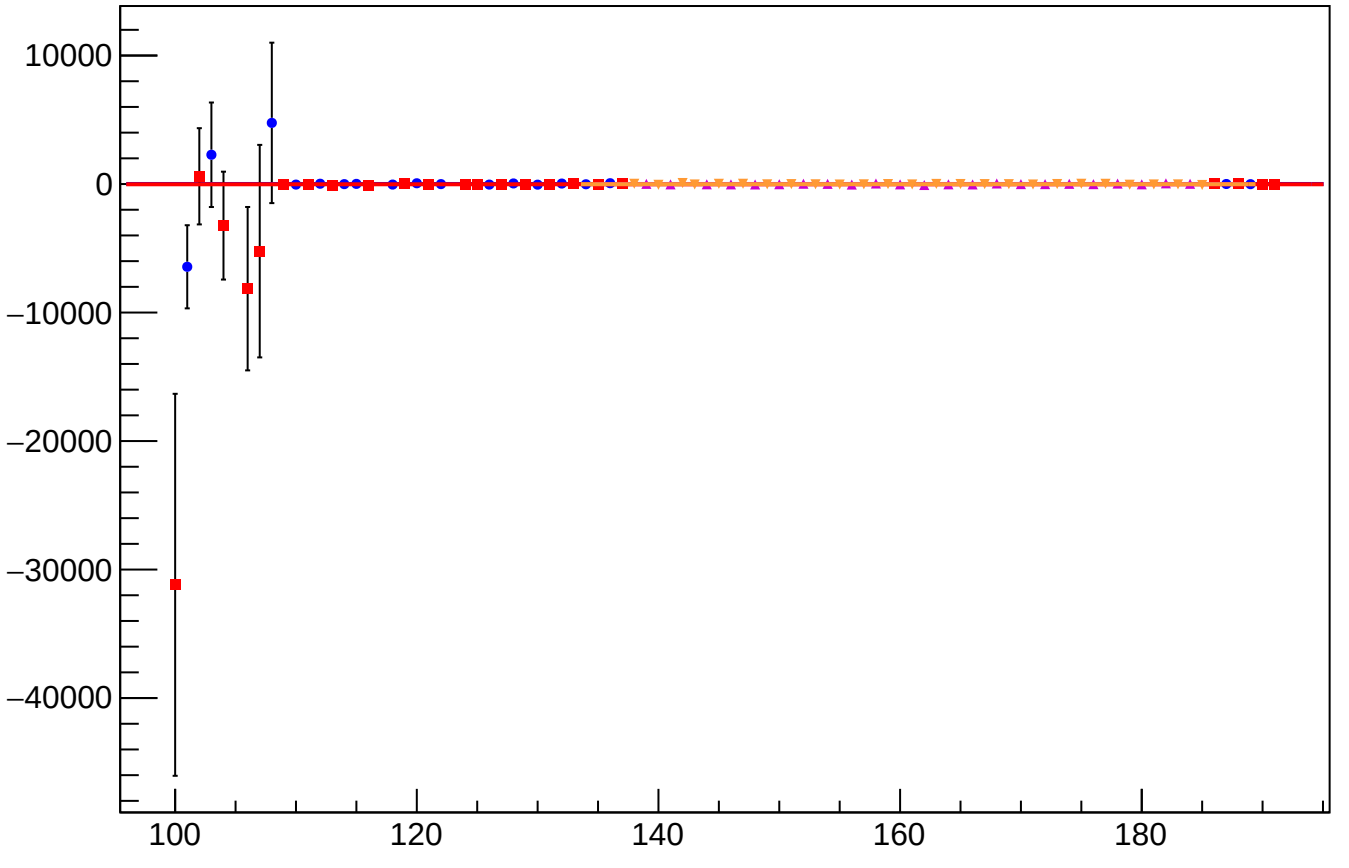
Right Out: 185.923+/-0.051 χ^2/NDF: 4911036.5/22

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 198.051+/-0.029 χ^2/NDF: 5884140.5/42

All: 190.880+/-0.020 χ^2/NDF: 12358625.6/88

- sign 184.565+/-0.027 χ^2/NDF: 6357422.0/45



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: -18.775+/-10.244 χ^2/NDF: 25.5/22

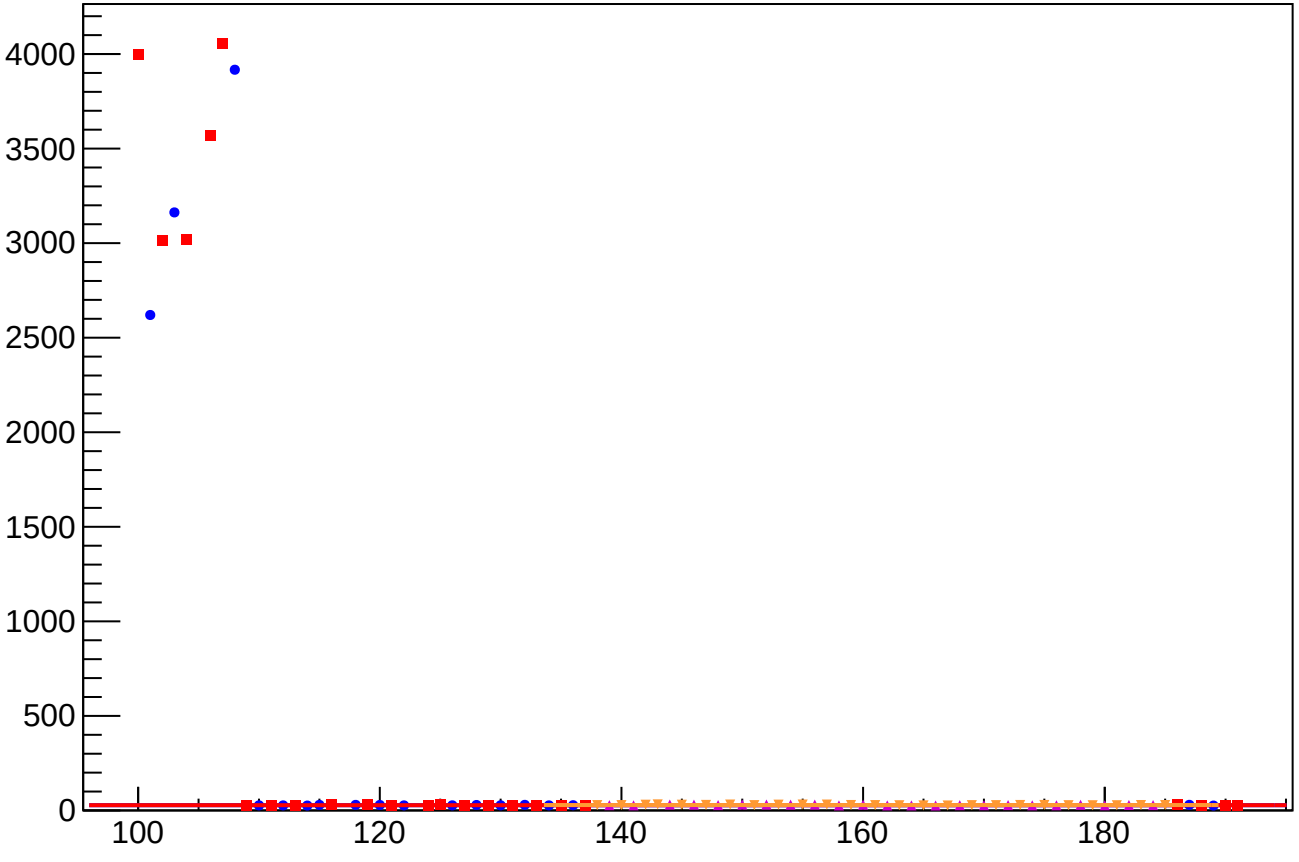
Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

+ sign -7.507+/-5.625 χ^2/NDF: 38.1/42

All: -7.484+/-3.978 χ^2/NDF: 87.5/88

- sign -7.462+/-5.626 χ^2/NDF: 49.4/45

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

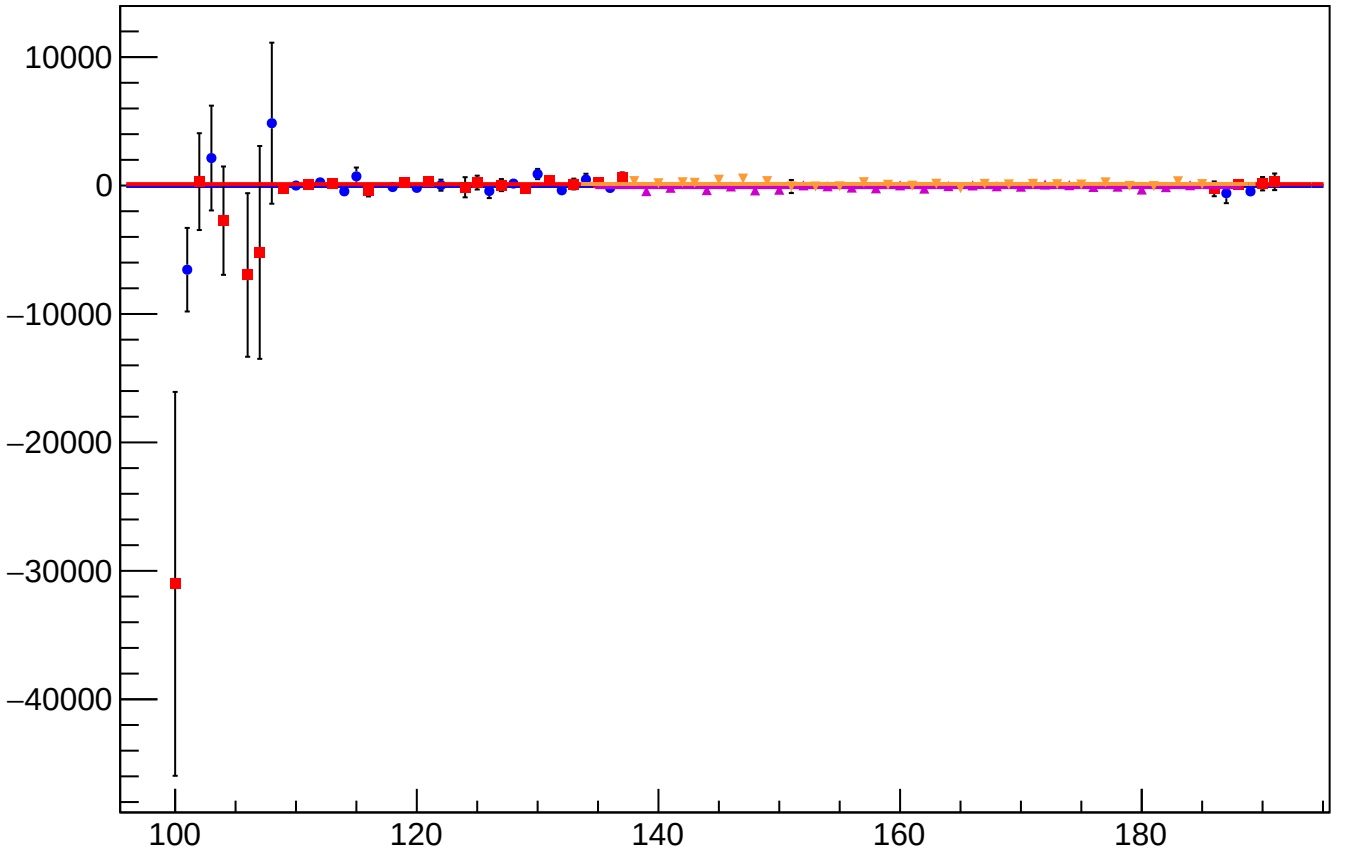
Right Out: 27.795+/-0.007 χ^2/NDF: 3574717.0/22

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

+ sign 28.438+/-0.004 χ^2/NDF: 3385338.4/42

All: 28.442+/-0.003 χ^2/NDF: 7099021.2/88

- sign 28.446+/-0.004 χ^2/NDF: 3713680.8/45



Right In: -32.164+/-82.855 χ^2/NDF: 20.2/17

Left Out: 122.864+/-47.300 χ^2/NDF:11.3/24

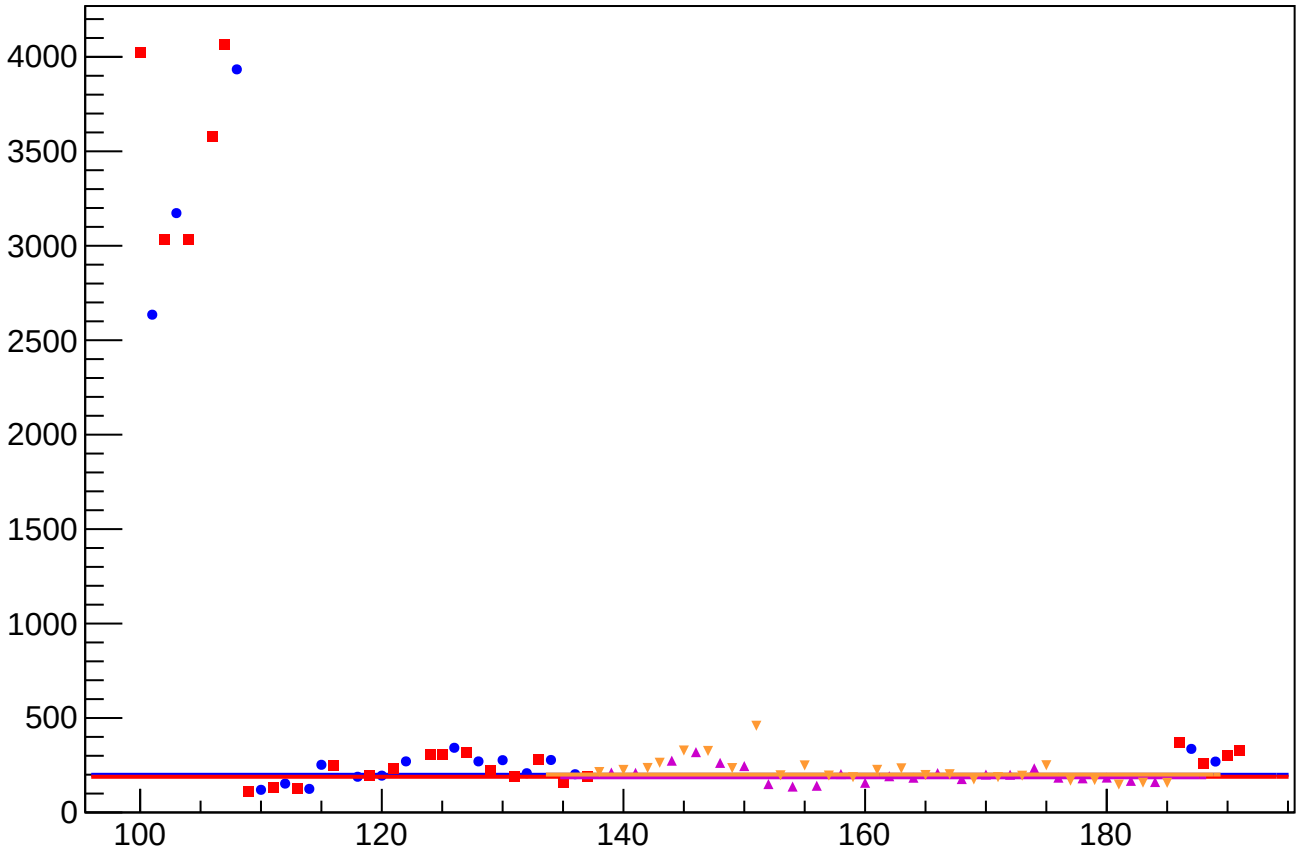
Right Out: 110.537+/-73.725 χ^2/NDF: 14.3/22

Left In: -123.046+/-45.269 χ^2/NDF:8.5/22

+ sign 84.759+/-41.077 χ^2/NDF: 34.2/42

All: 8.323+/-28.121 χ^2/NDF: 70.7/88

- sign -59.092+/-38.577 χ^2/NDF: 30.0/45



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: 188.889+/-0.052 χ^2/NDF: 4833773.5/22

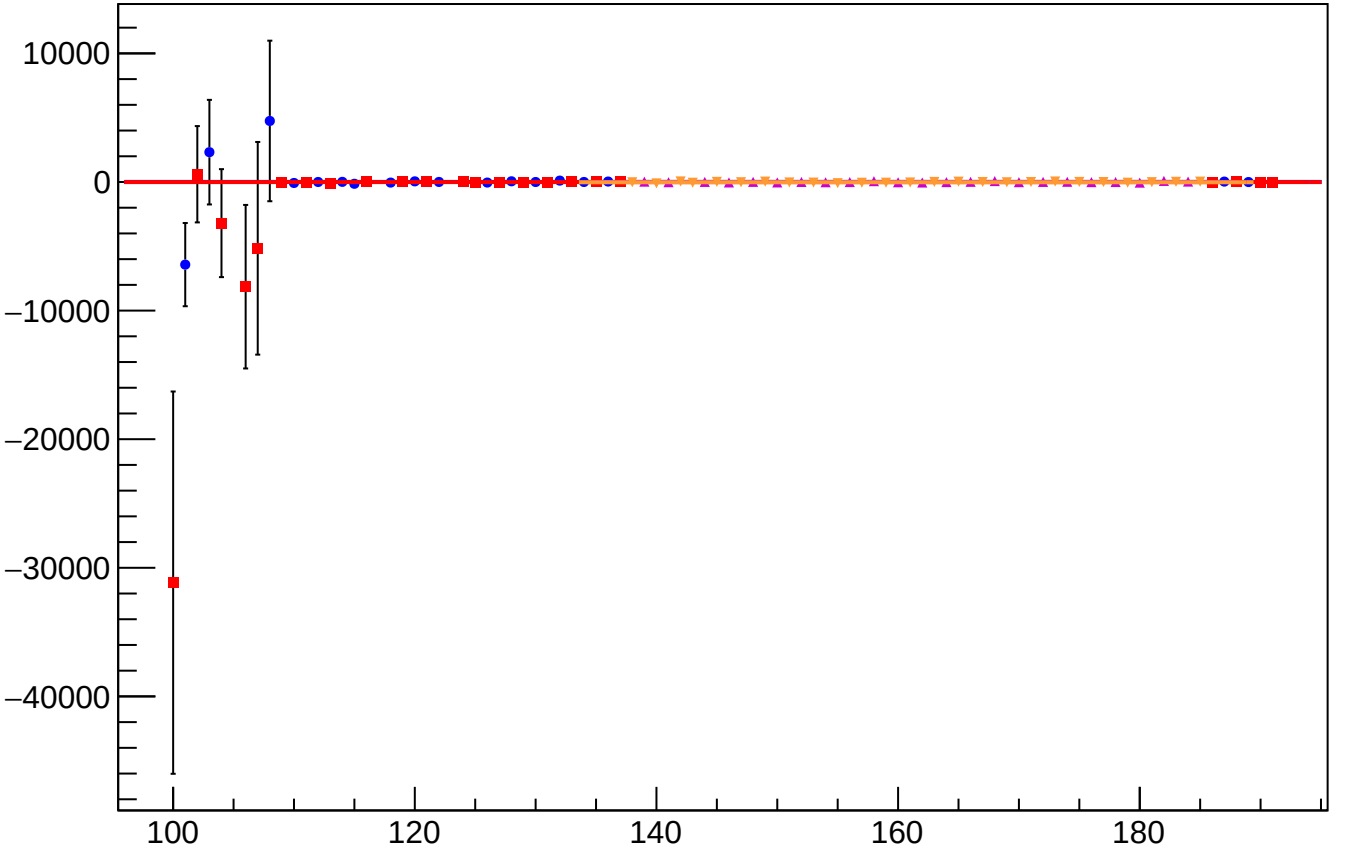
Left In: 186.169+/-0.032 χ^2/NDF:1413387.1/22

+ sign 200.350+/-0.029 χ^2/NDF: 5806511.8/42

All: 193.211+/-0.020 χ^2/NDF: 12169353.8/88

- sign 186.914+/-0.027 χ^2/NDF: 6249137.2/45

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



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: -6.906+/-12.457 χ^2/NDF: 25.9/22

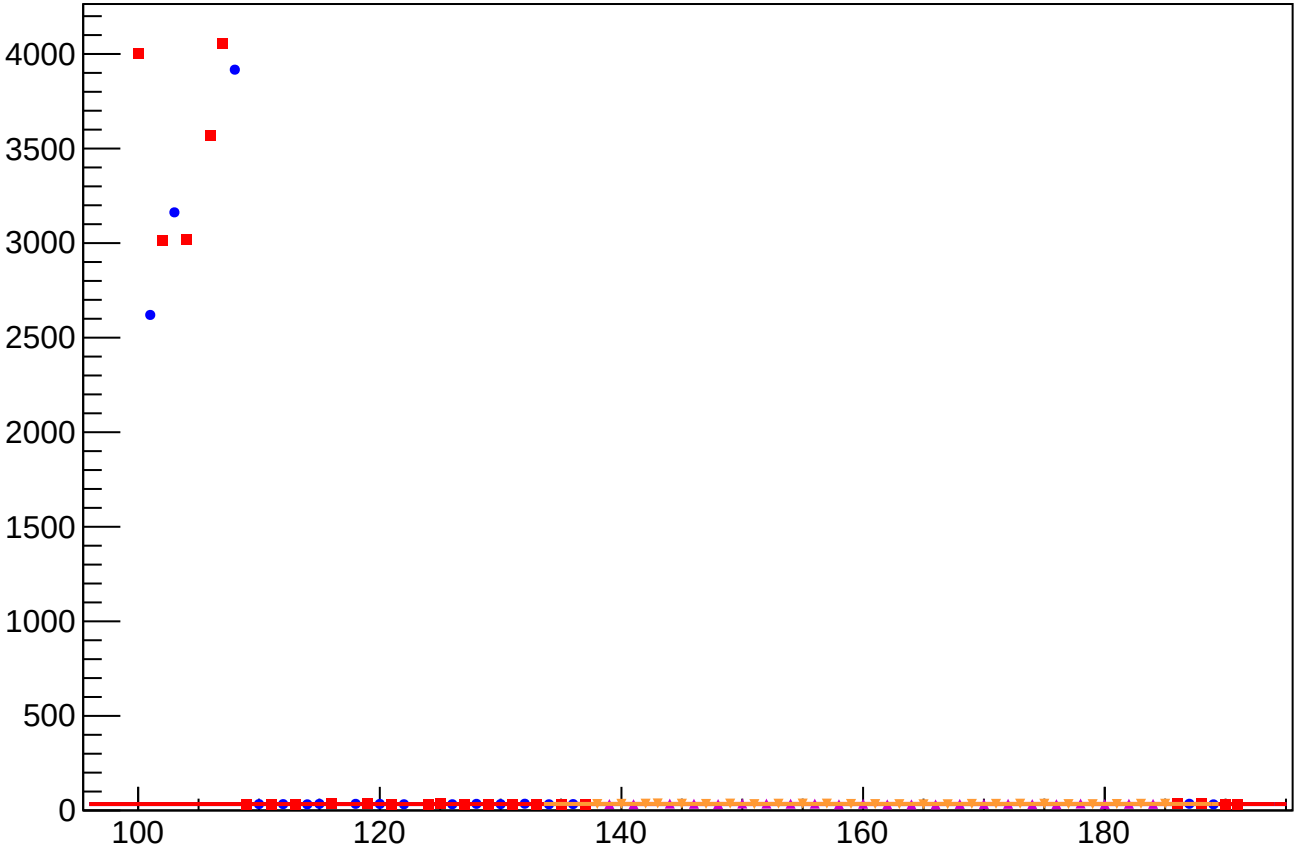
Left In: 4.029+/-8.083 χ^2/NDF:18.9/22

+ sign -14.432+/-6.767 χ^2/NDF: 43.5/42

All: -6.837+/-4.790 χ^2/NDF: 91.3/88

- sign 0.788+/-6.781 χ^2/NDF: 45.3/45

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

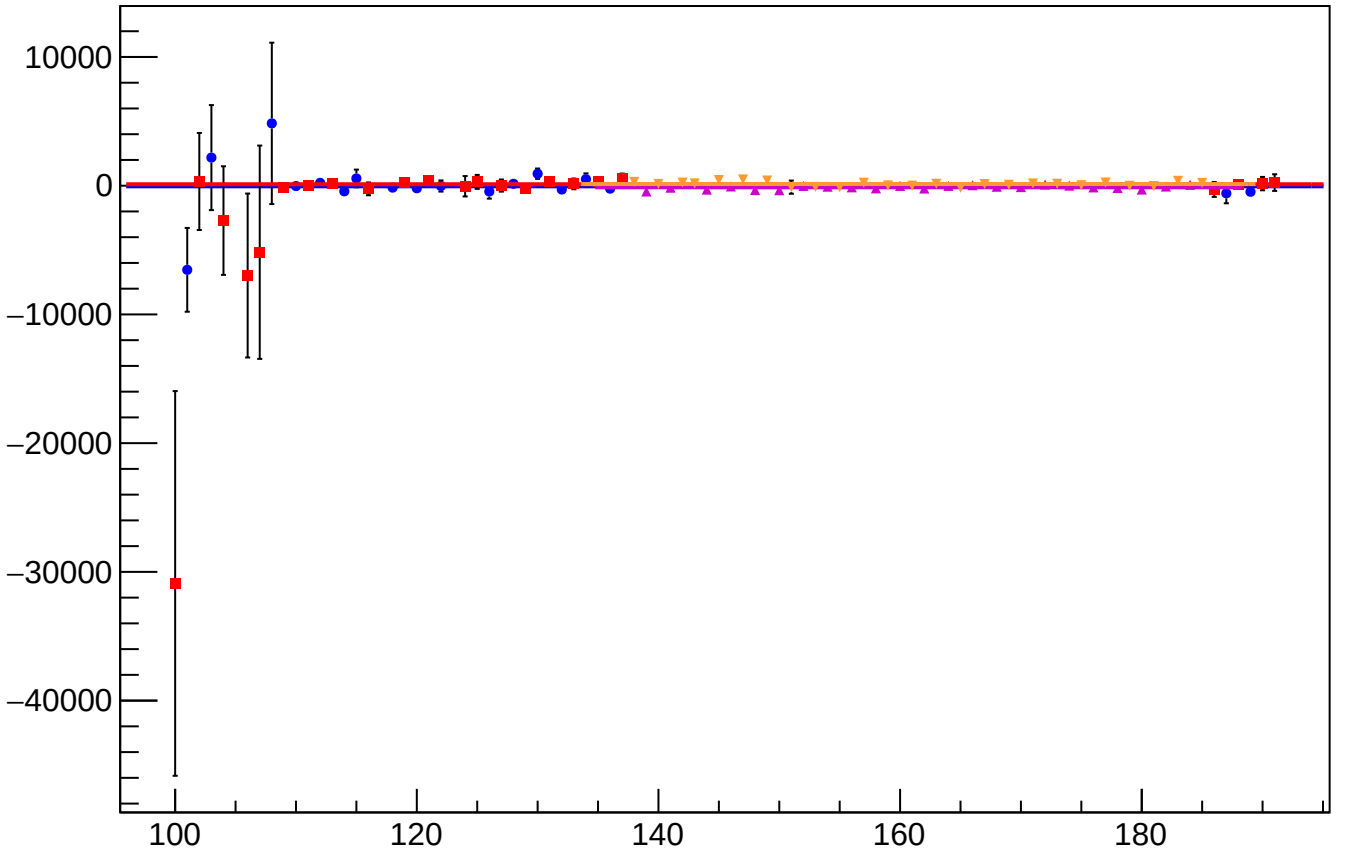
Right Out: 33.880+/-0.009 χ^2/NDF: 3535605.5/22

Left In: 34.552+/-0.006 χ^2/NDF:59280.9/22

+ sign 34.271+/-0.005 χ^2/NDF: 3296030.0/42

All: 34.312+/-0.003 χ^2/NDF: 6895159.1/88

- sign 34.353+/-0.005 χ^2/NDF: 3598983.3/45



Right In: -48.308+/-82.444 χ^2/NDF: 20.1/17

Left Out: 127.689+/-47.228 χ^2/NDF:11.6/24

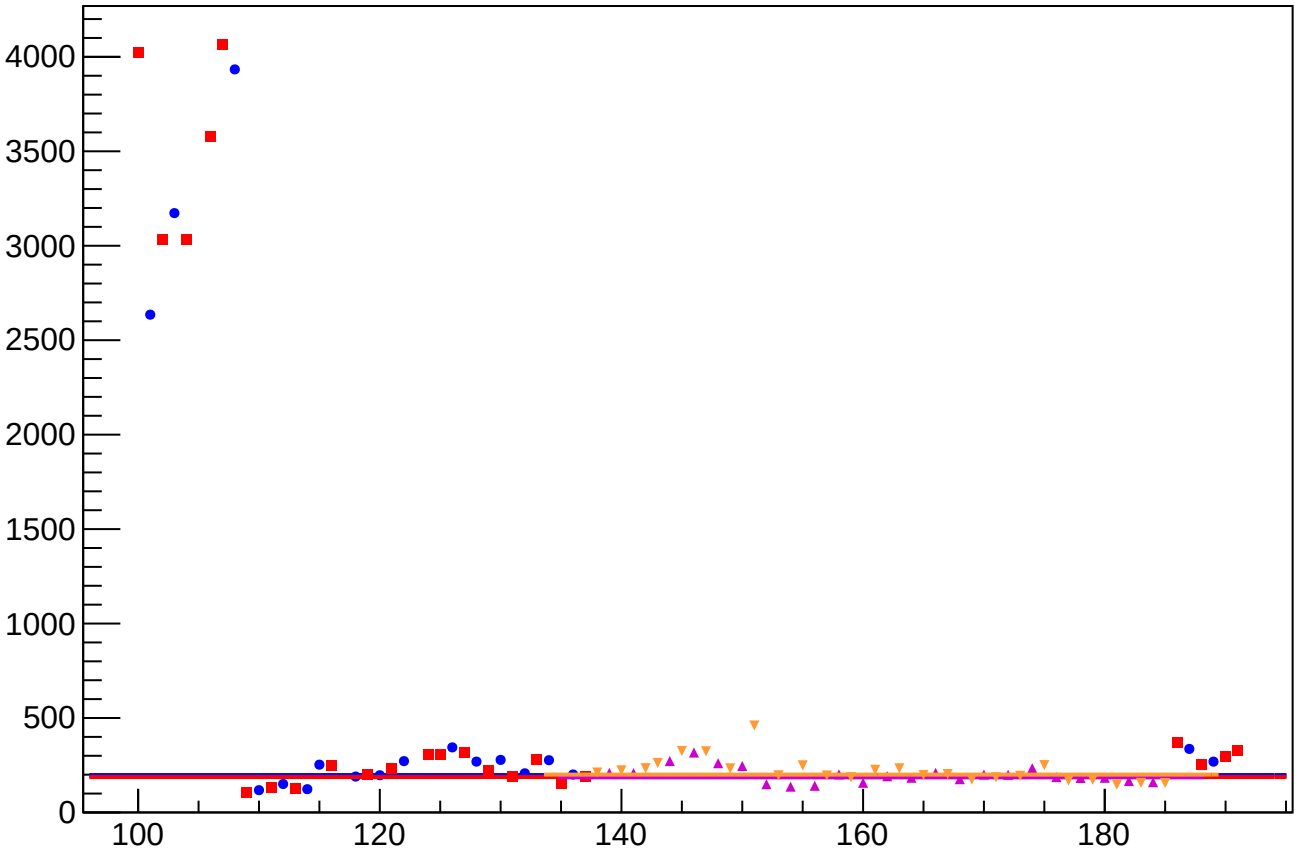
Right Out: 114.063+/-73.290 χ^2/NDF: 13.8/22

Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

+ sign 84.204+/-40.980 χ^2/NDF: 35.2/42

All: 8.859+/-28.048 χ^2/NDF: 70.9/88

- sign -57.542+/-38.471 χ^2/NDF: 29.4/45



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: 187.353+/-0.052 χ^2/NDF: 4892256.1/22

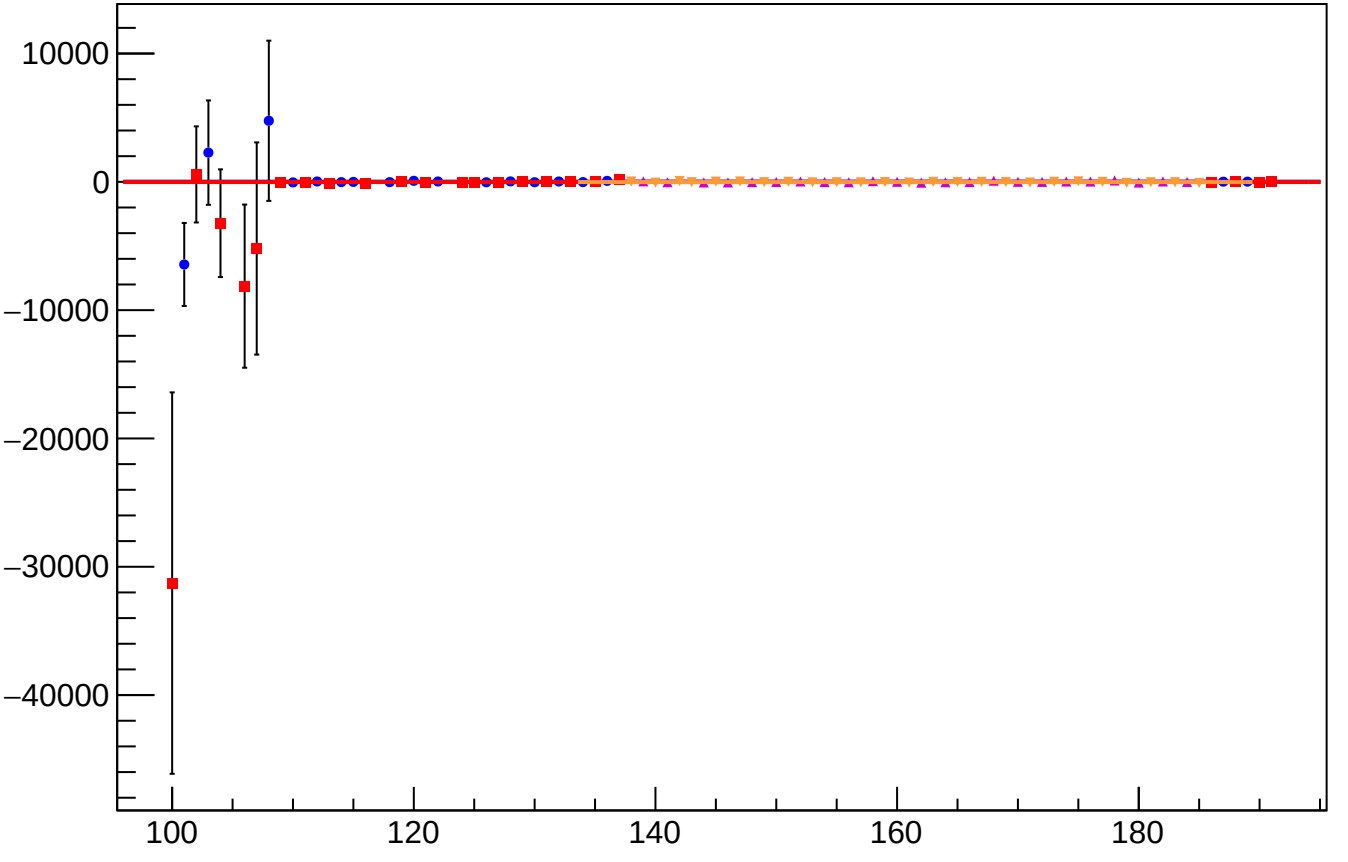
Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 199.775+/-0.029 χ^2/NDF: 5845702.9/42

All: 192.602+/-0.020 χ^2/NDF: 12259368.5/88

- sign 186.280+/-0.027 χ^2/NDF: 6298373.3/45

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



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: -15.065+/-11.332 χ^2/NDF: 32.2/22

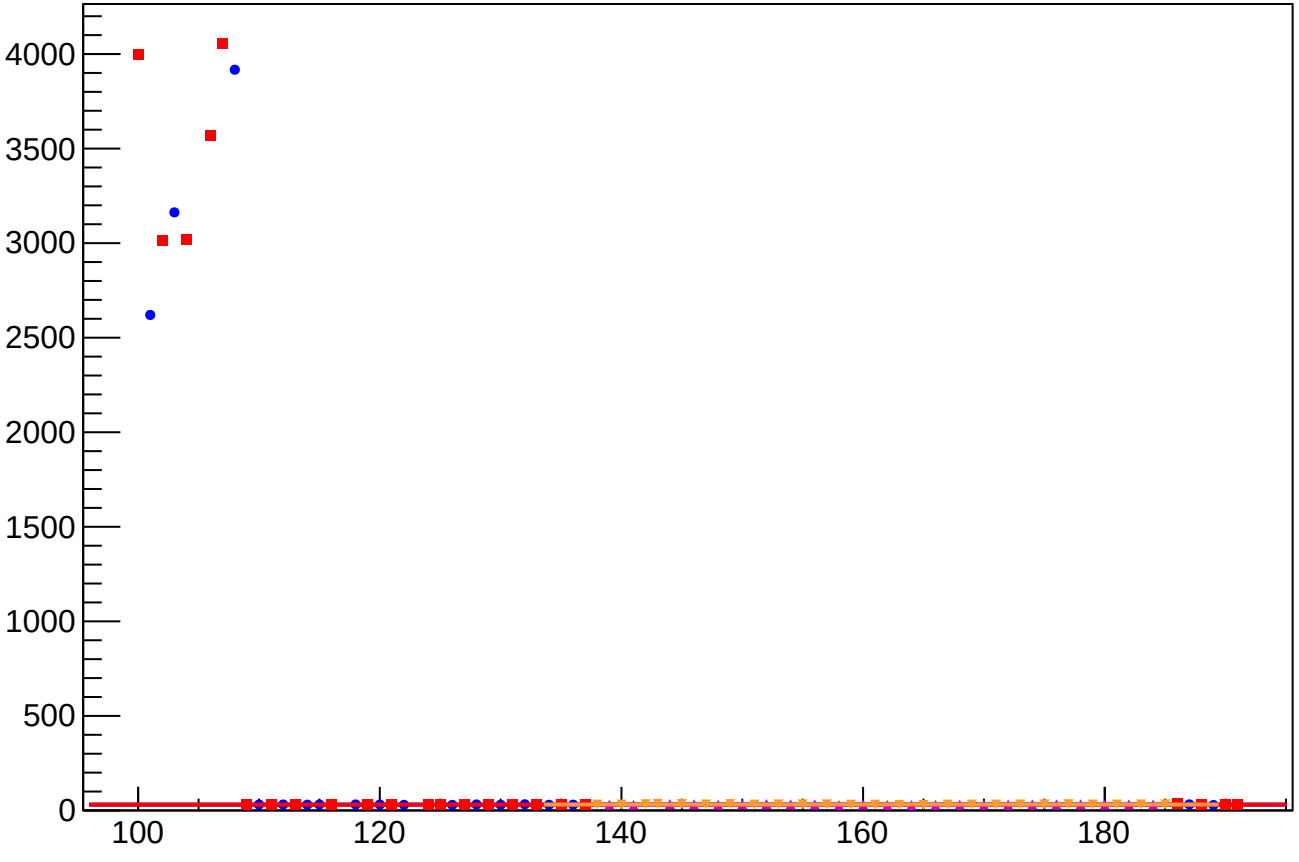
Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

+ sign -10.344+/-6.163 χ^2/NDF: 41.1/42

All: -6.449+/-4.359 χ^2/NDF: 111.4/88

- sign -2.552+/-6.165 χ^2/NDF: 69.5/45

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: 30.786+/-0.008 χ^2/NDF: 3549366.1/22

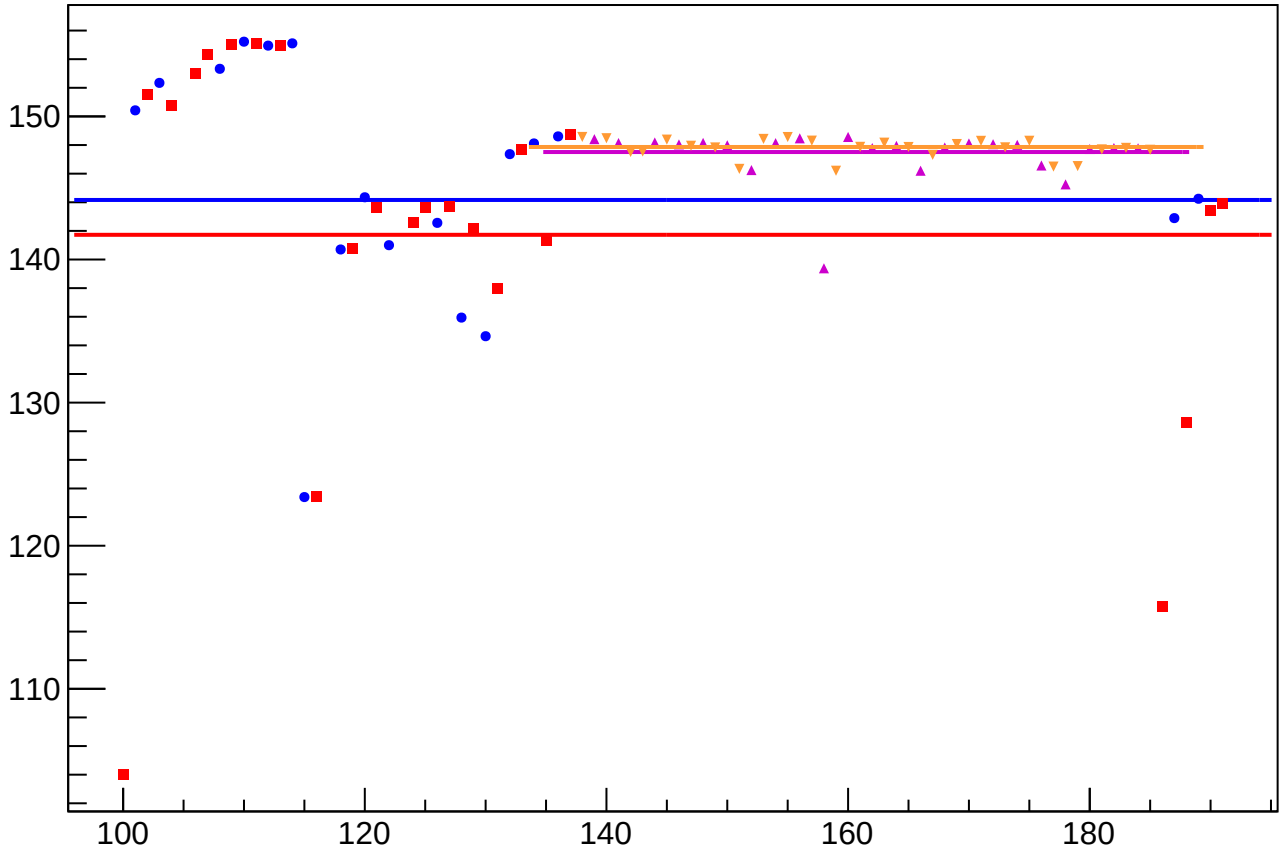
Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

\+ sign 31.188+/-0.004 χ^2/NDF: 3325624.7/42

All: 31.196+/-0.003 χ^2/NDF: 6964092.8/88

\- sign 31.204+/-0.004 χ^2/NDF: 3638461.9/45

yield_bcm_target_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: 141.727+/-0.000 χ^2/NDF: 7403138719.7/22

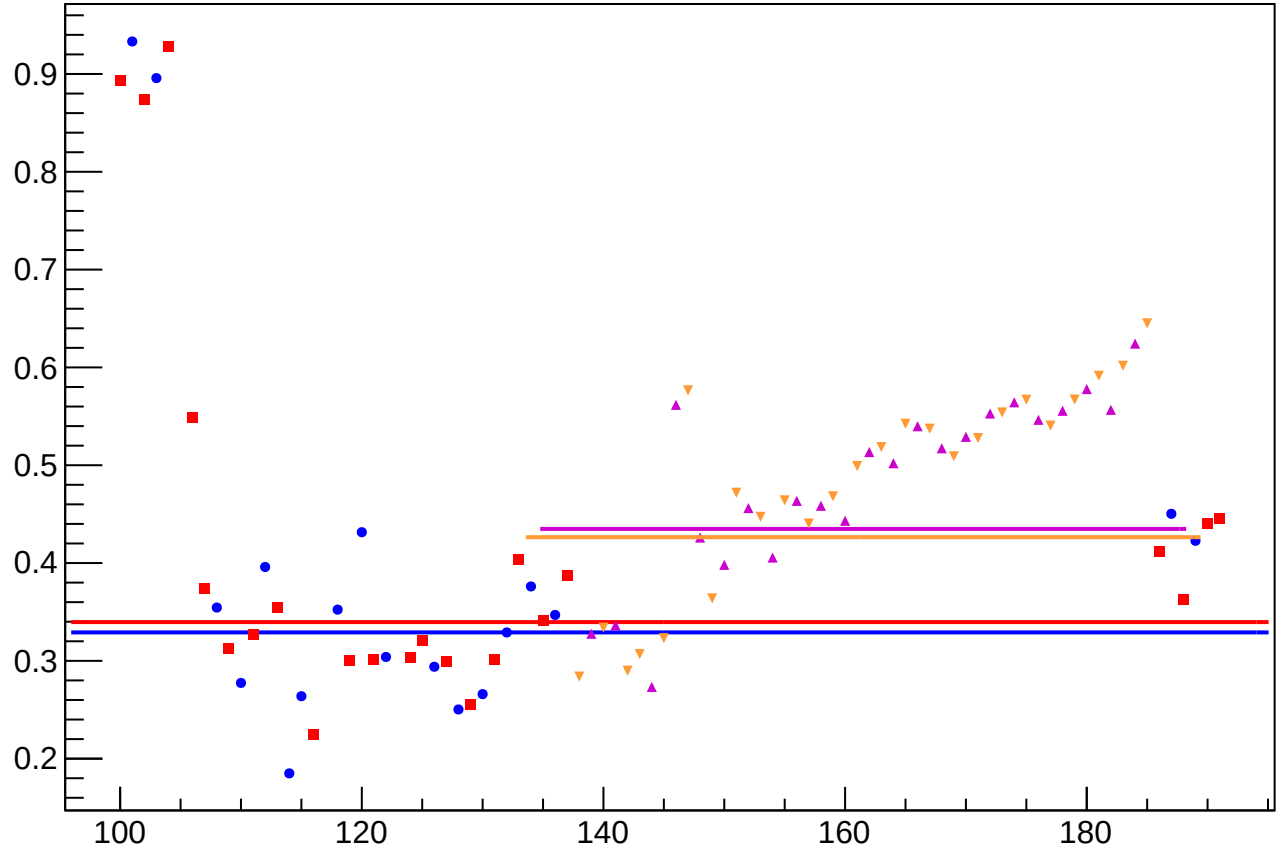
Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 146.441+/-0.000 χ^2/NDF: 4282375667.3/42

All: 145.718+/-0.000 χ^2/NDF: 13453827808.

- sign 144.996+/-0.000 χ^2/NDF: 9006959861.4/45

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

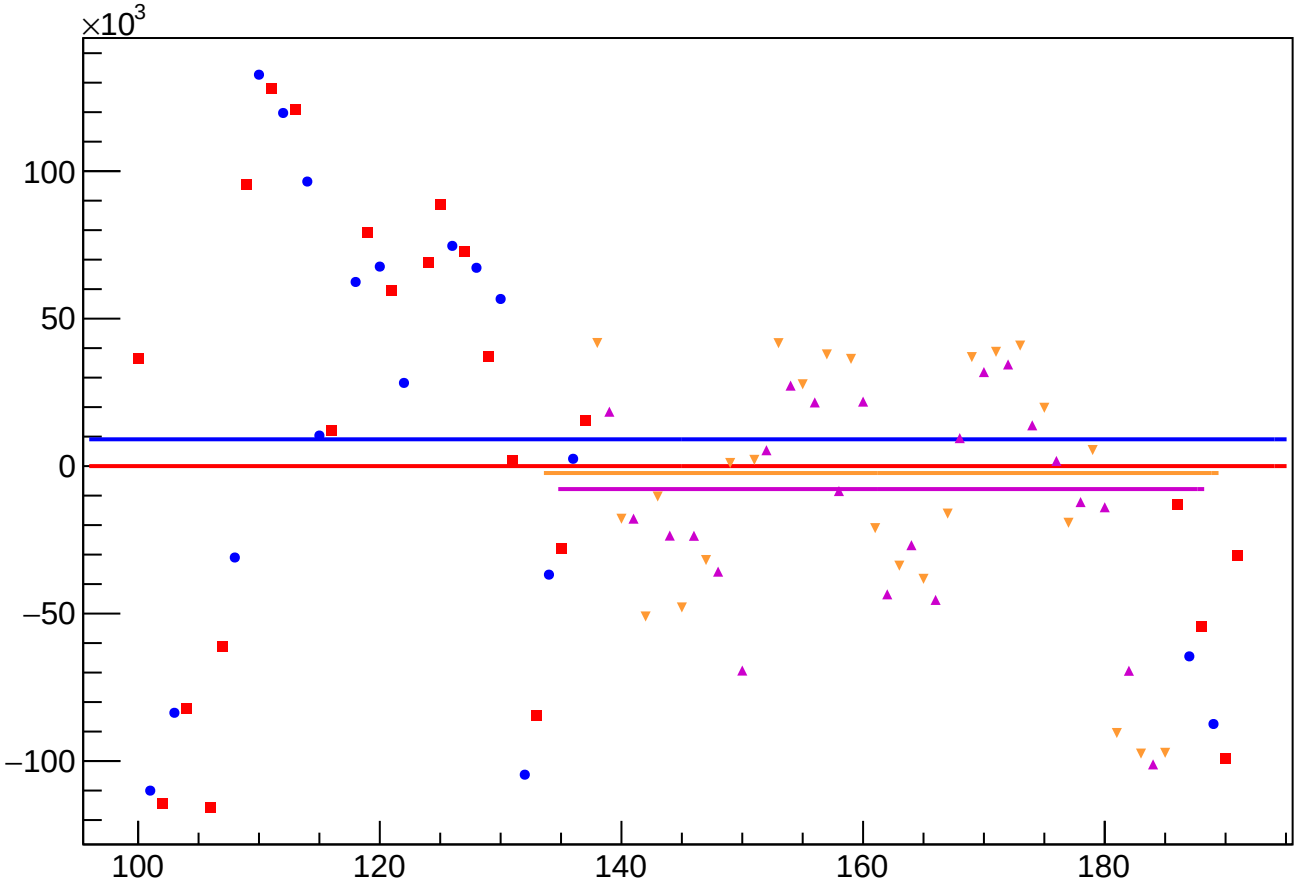
Right Out: 0.340+/-0.000 χ^2/NDF: 1410736.4/22

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: 8330681.1/88

- sign 0.393+/-0.000 χ^2/NDF: 3889245.6/45



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: 2.096+/-1.703 χ^2/NDF: 2143533750.3/22

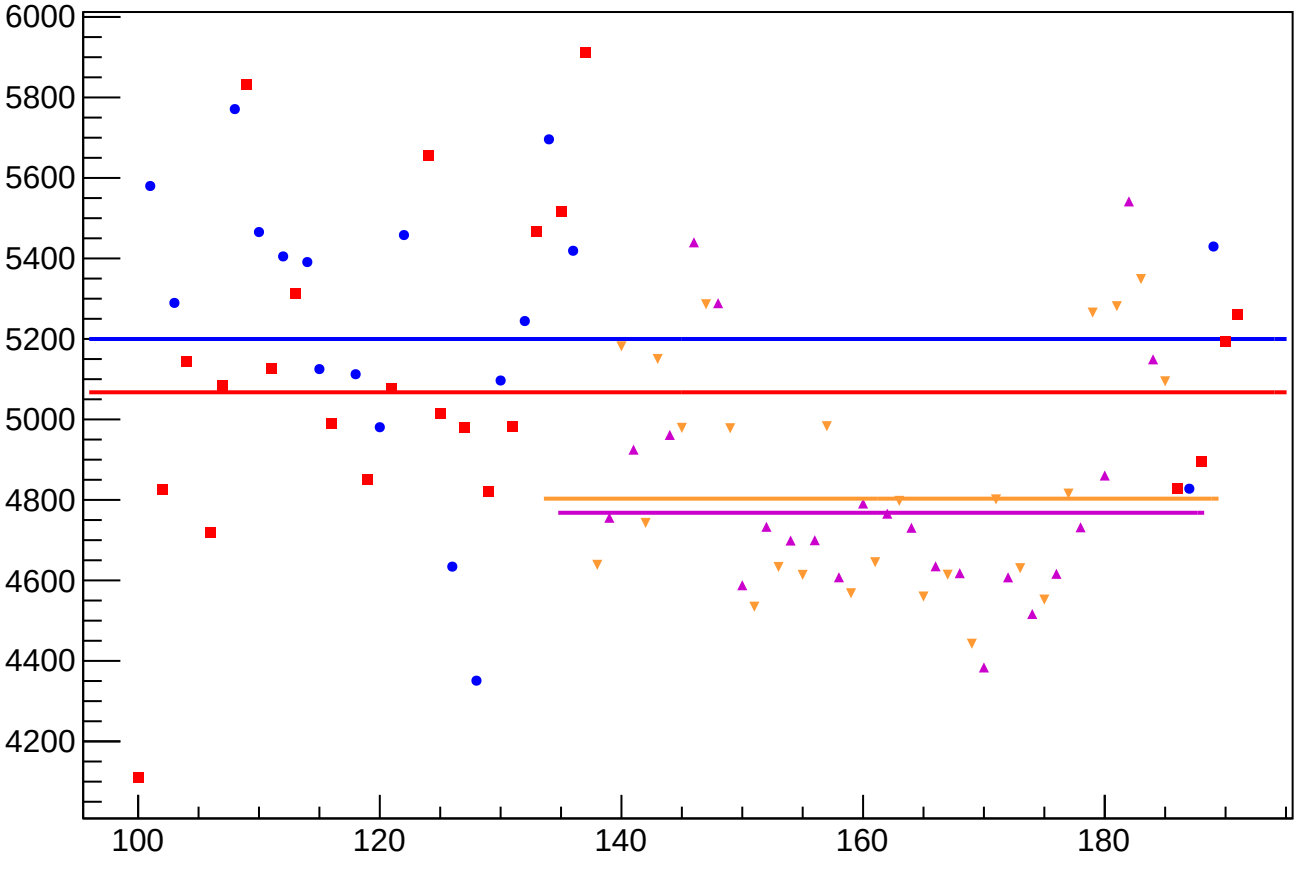
Left In: -7787.808+/-1.145 χ^2/NDF:762496621.5/22

+ sign 579.338+/-0.969 χ^2/NDF: 2867213646.4/42

All: -2451.375+/-0.678 χ^2/NDF: 5806840699

- sign -5364.044+/-0.950 χ^2/NDF: 2920443470.1/45

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: 5067.412+/-1.204 χ^2/NDF: 64717.4/22

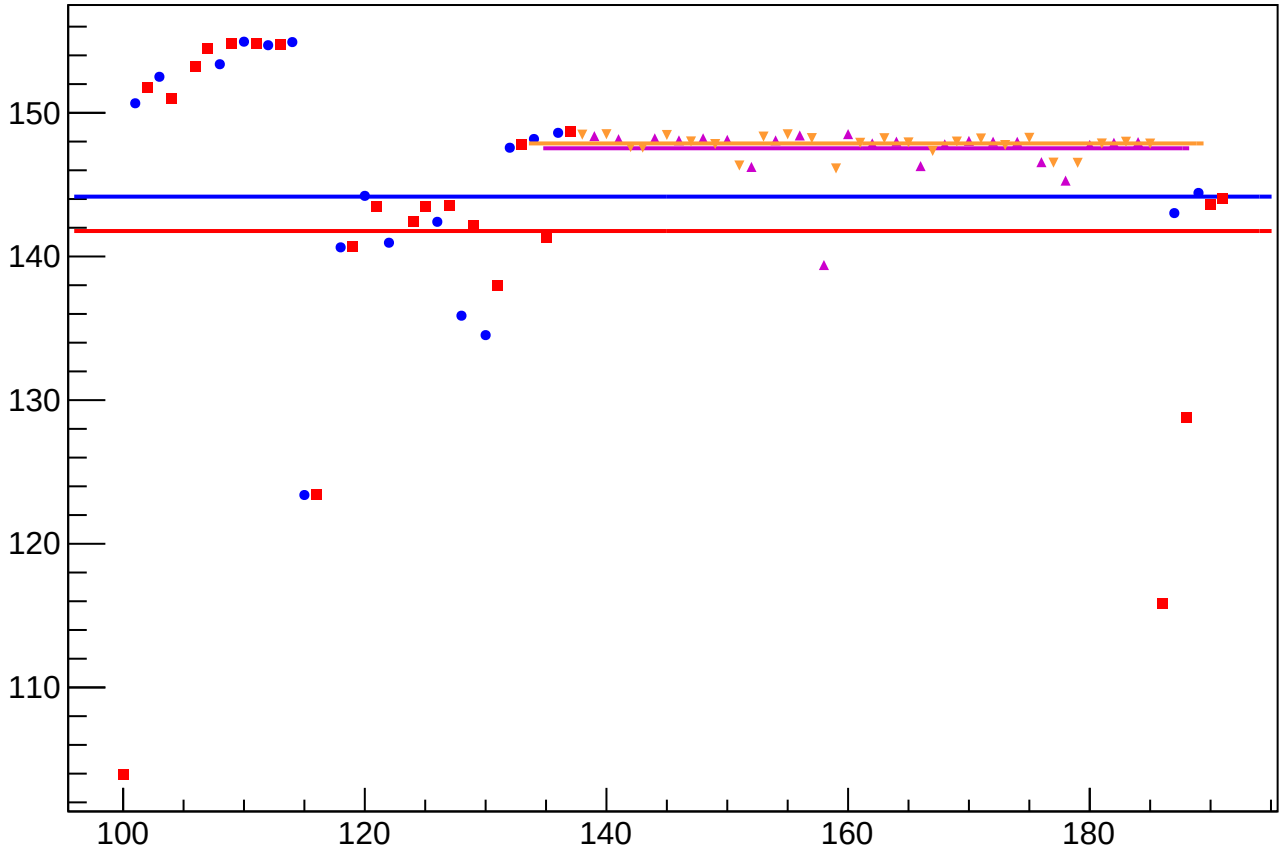
Left In: 4768.055+/-0.809 χ^2/NDF:102355.5/22

+ sign 4904.615+/-0.685 χ^2/NDF: 259418.9/42

All: 4882.475+/-0.480 χ^2/NDF: 471108.9/88

- sign 4861.198+/-0.672 χ^2/NDF: 209642.5/45

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: 141.772+/-0.000 χ^2/NDF: 7375255674.6/22

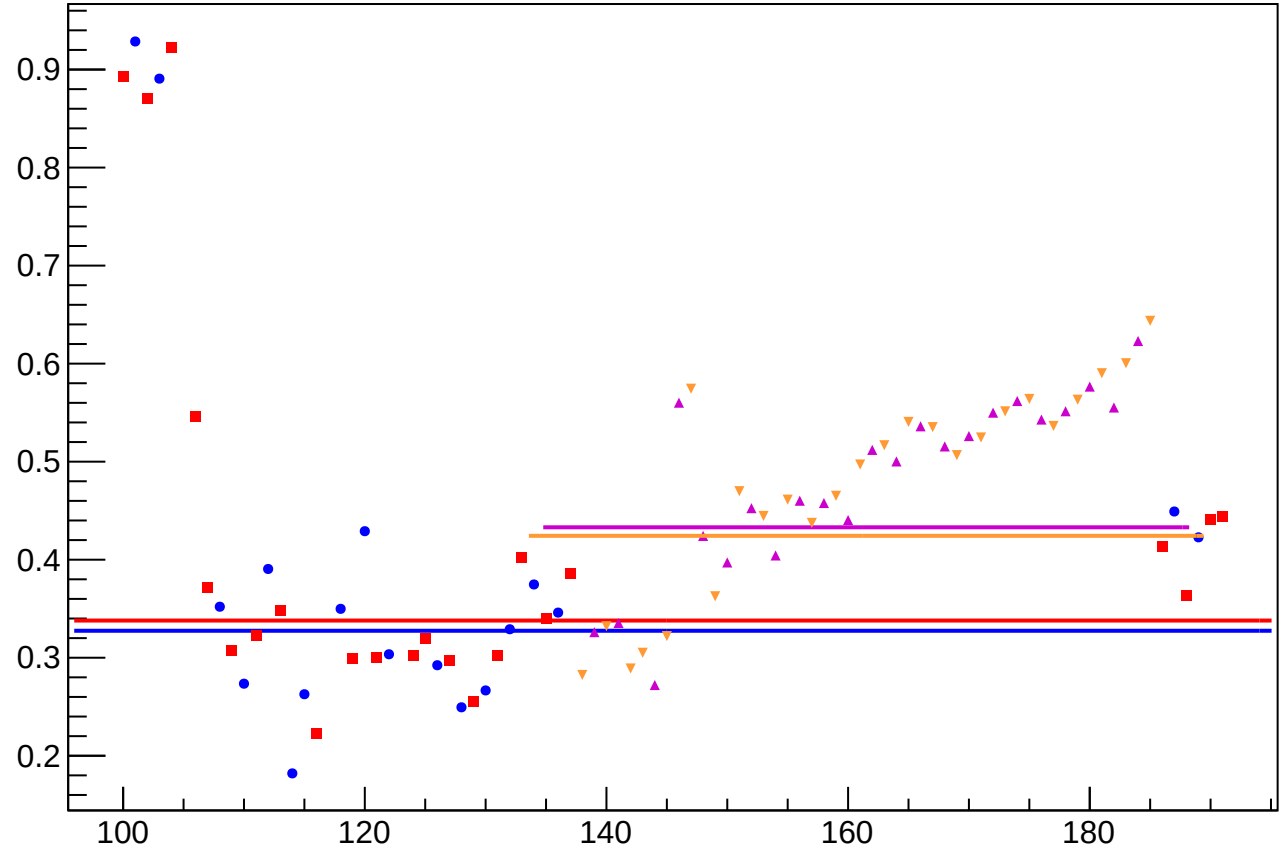
Left In: 147.532+/-0.000 χ^2/NDF:307143604.6/22

+ sign 146.446+/-0.000 χ^2/NDF: 4326905521.8/42

All: 145.736+/-0.000 χ^2/NDF: 13467475430.

- sign 145.027+/-0.000 χ^2/NDF: 8980139913.8/45

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

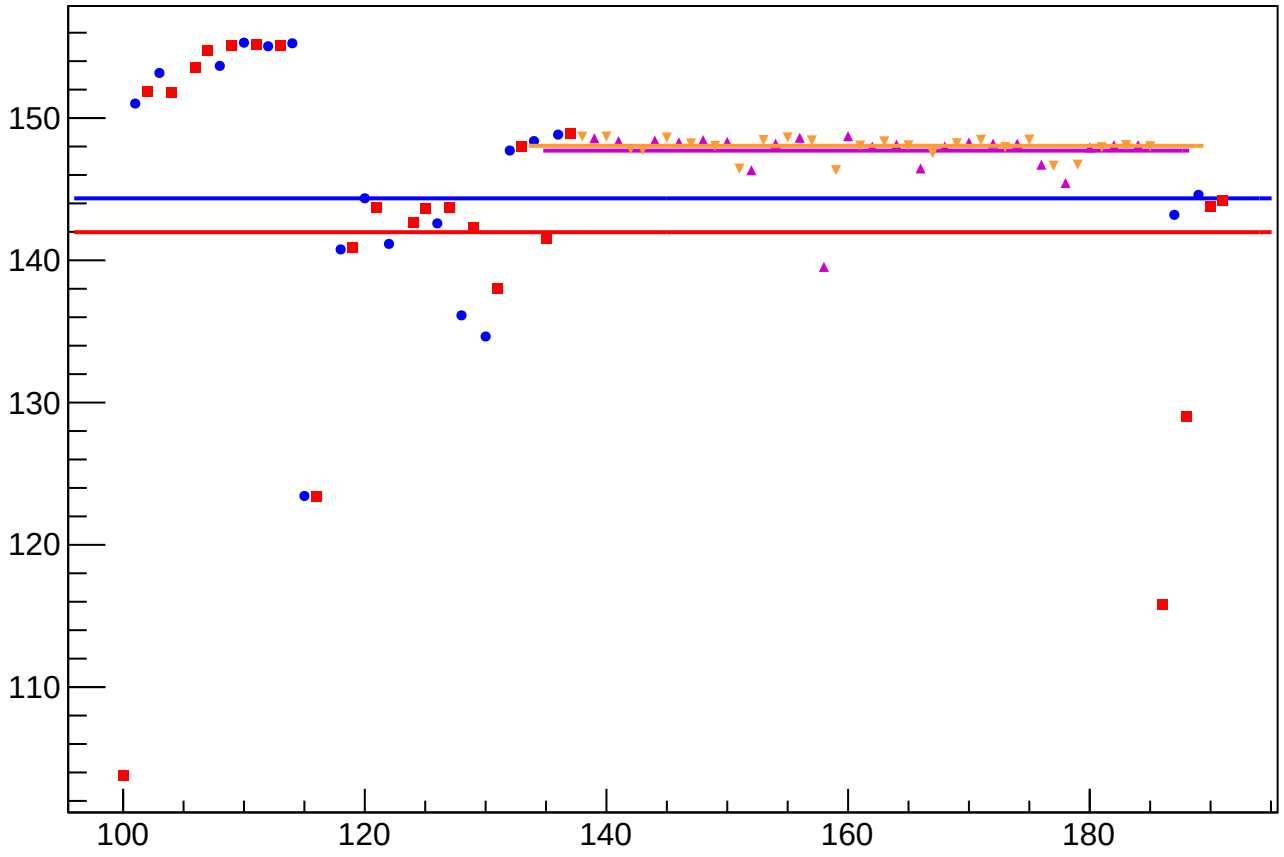
Right Out: 0.338+/-0.000 χ^2/NDF: 1415552.2/22

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: 8339534.9/88

- sign 0.392+/-0.000 χ^2/NDF: 3894697.3/45



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: 141.977+/-0.000 χ^2/NDF: 7313679931.6/22

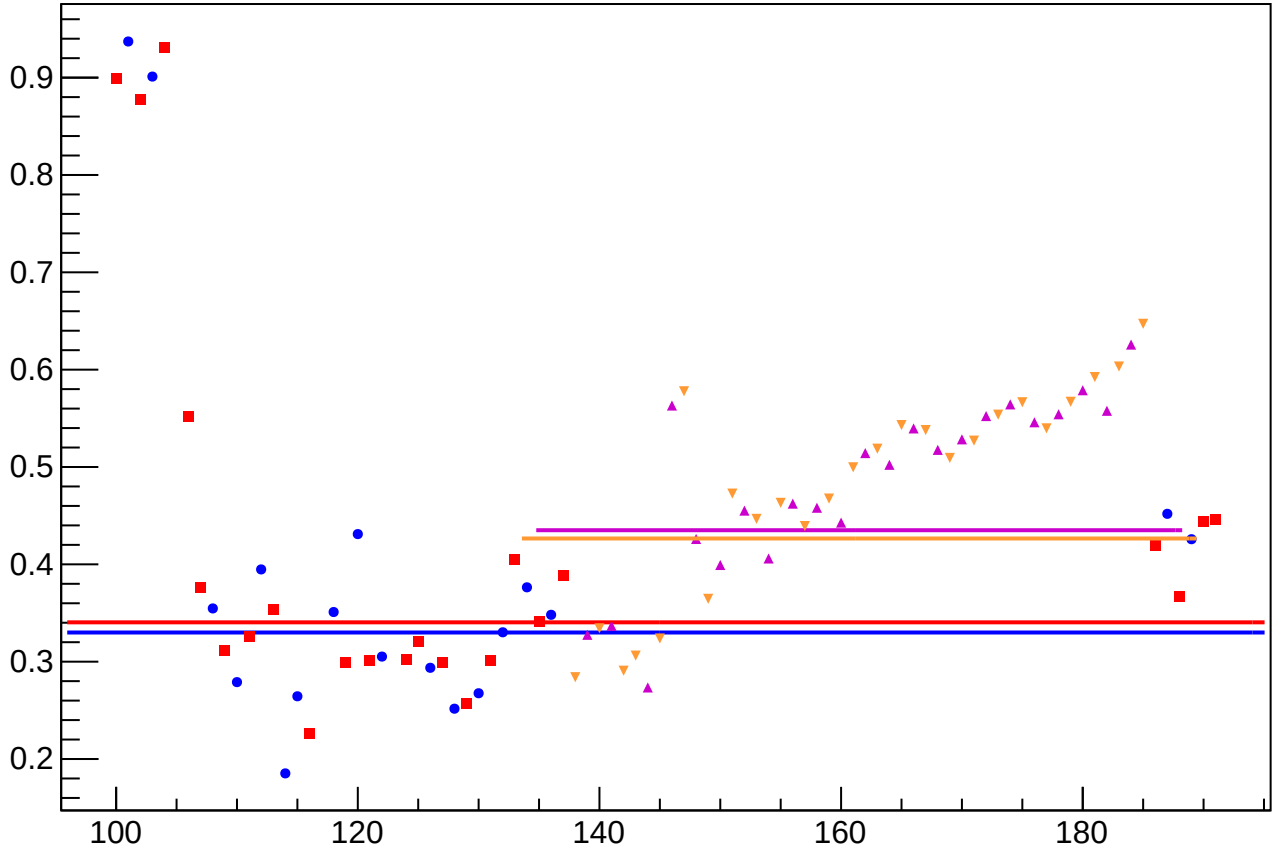
Left In: 147.710+/-0.000 χ^2/NDF:311841433.9/22

+ sign 146.633+/-0.000 χ^2/NDF: 4312111995.7/42

All: 145.929+/-0.000 χ^2/NDF: 13364188156.

- sign 145.224+/-0.000 χ^2/NDF: 8895938550.6/45

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

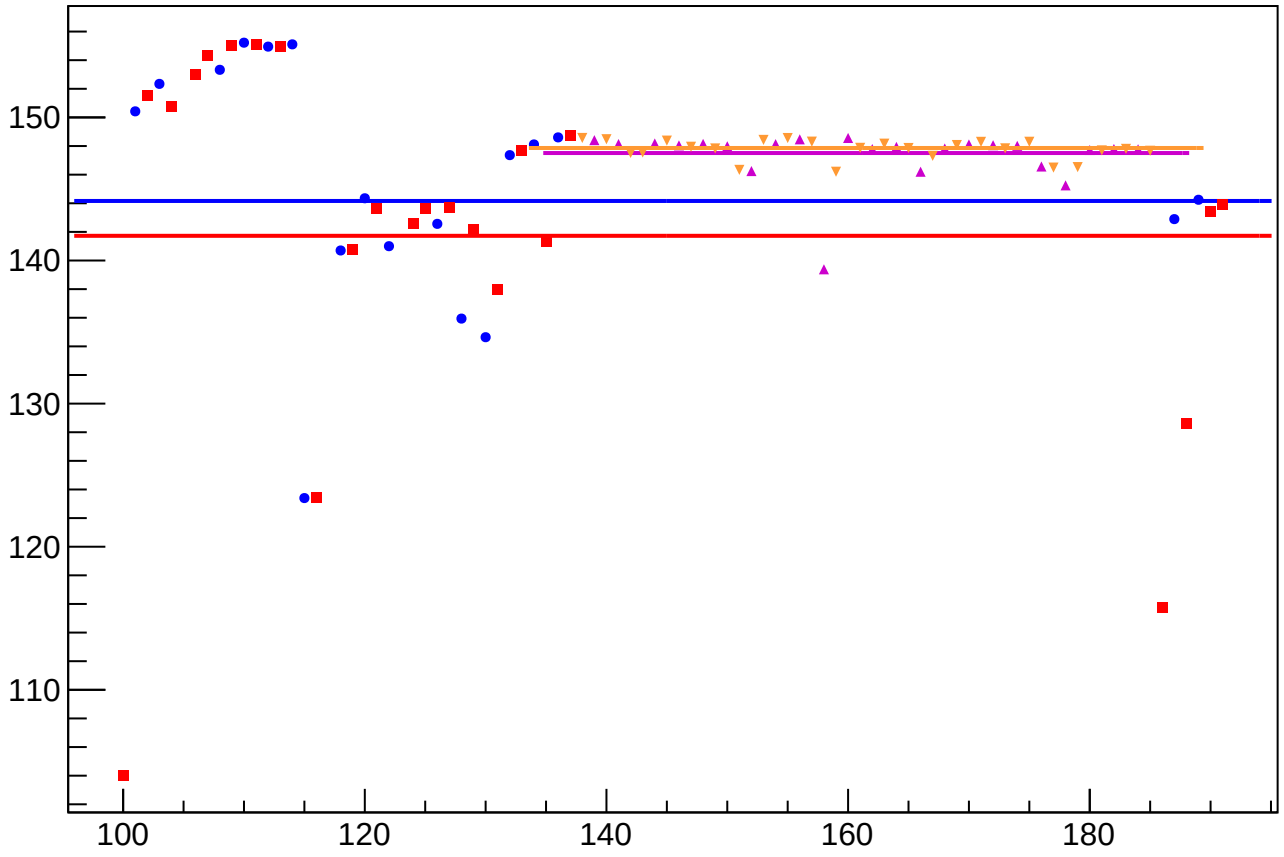
Right Out: 0.340+/-0.000 χ^2/NDF: 1417965.6/22

Left In: 0.435+/-0.000 χ^2/NDF:1769716.0/22

+ sign 0.390+/-0.000 χ^2/NDF: 4421301.2/42

All: 0.392+/-0.000 χ^2/NDF: 8304457.1/88

- sign 0.394+/-0.000 χ^2/NDF: 3879984.5/45



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: 141.727+/-0.000 χ^2/NDF: 7403138719.7/22

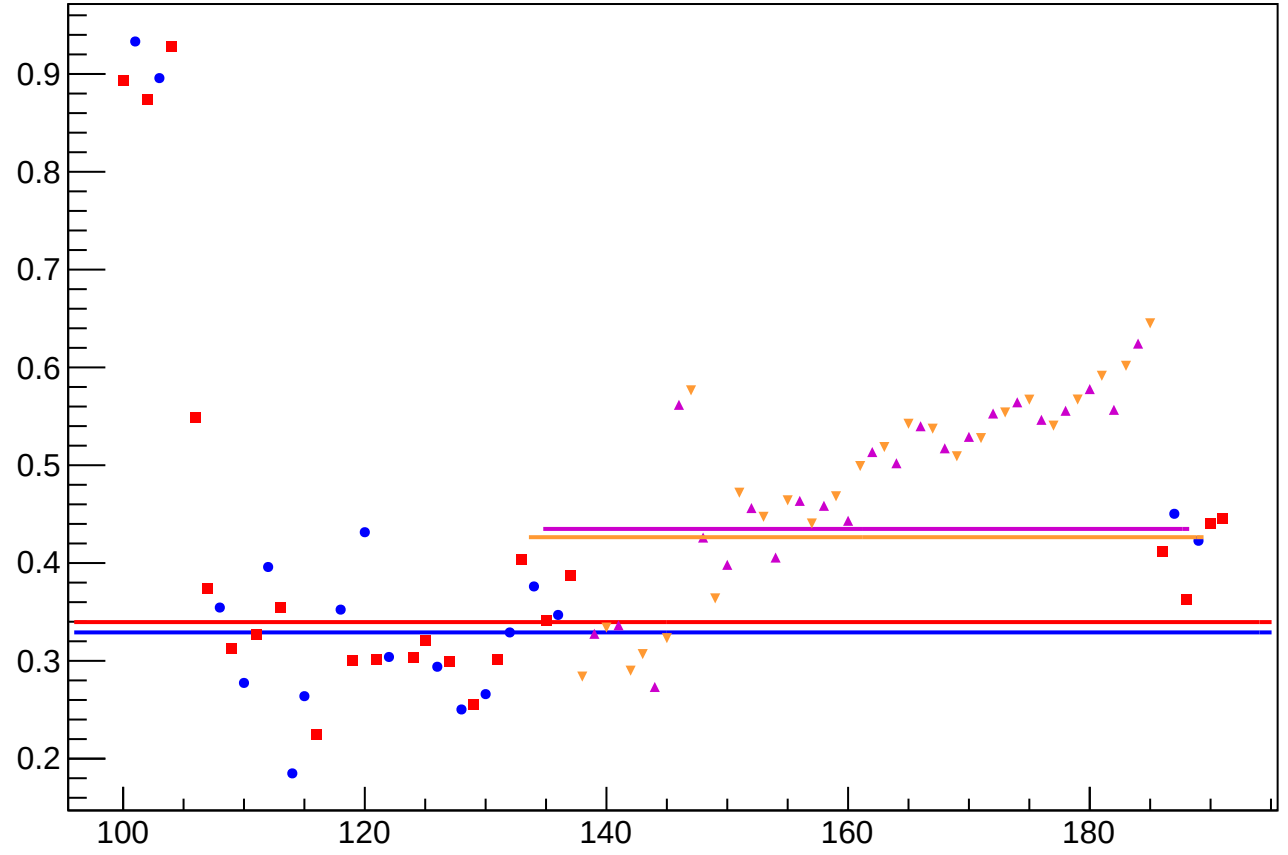
Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 146.441+/-0.000 χ^2/NDF: 4282375667.3/42

All: 145.718+/-0.000 χ^2/NDF: 13453827808.

- sign 144.996+/-0.000 χ^2/NDF: 9006959861.4/45

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

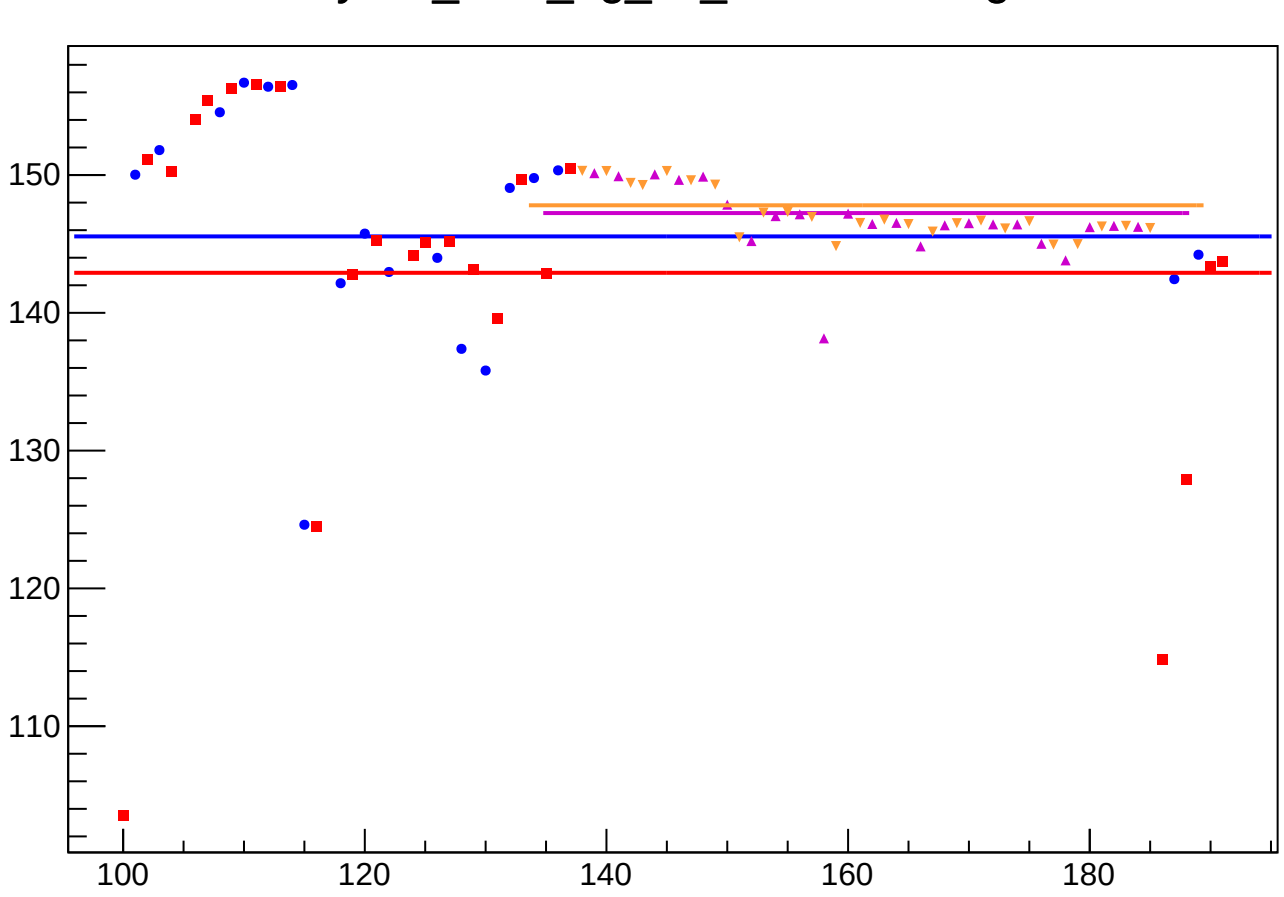
Right Out: 0.340+/-0.000 χ^2/NDF: 1410736.4/22

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: 8330681.1/88

- sign 0.393+/-0.000 χ^2/NDF: 3889245.6/45



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: 142.905+/-0.000 χ^2/NDF: 7566081419.4/22

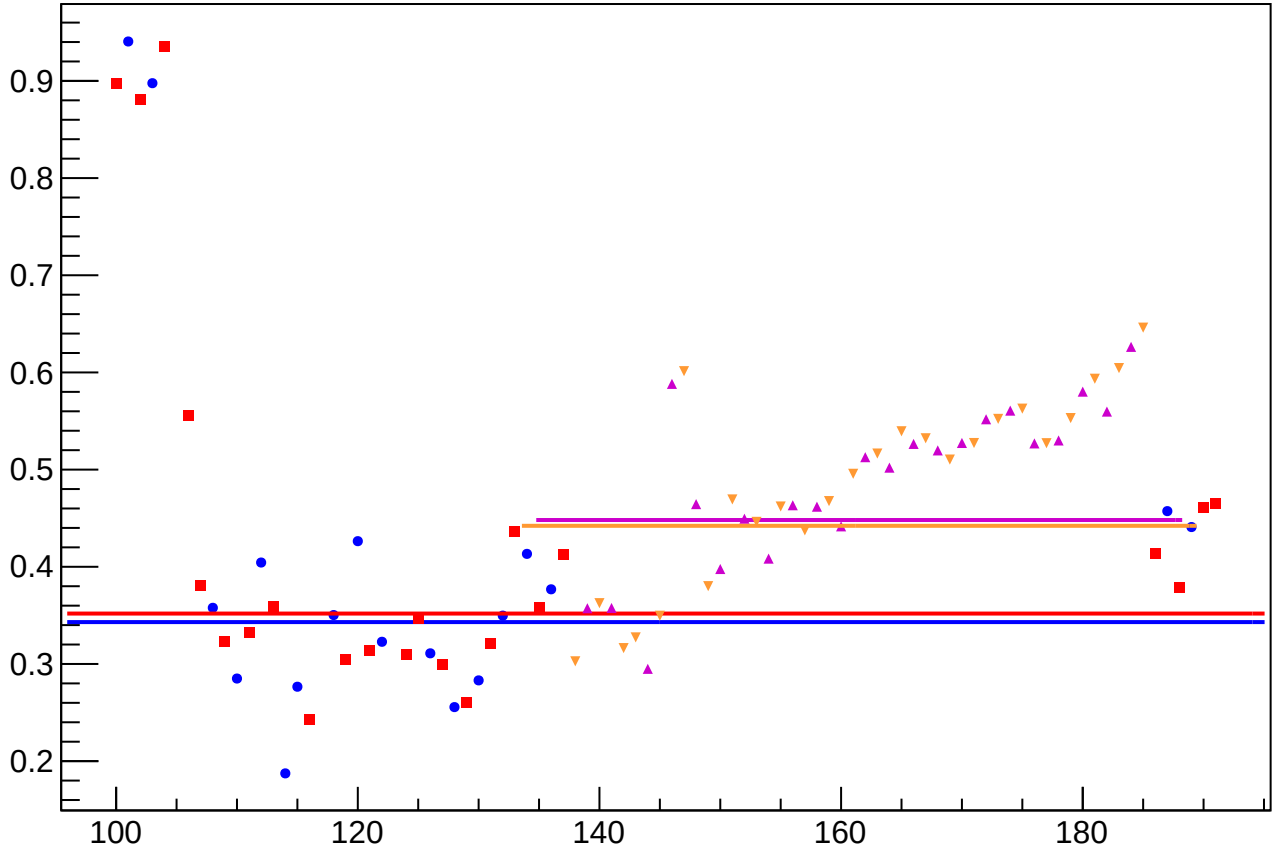
Left In: 147.241+/-0.000 χ^2/NDF:618679483.9/22

+ sign 146.950+/-0.000 χ^2/NDF: 3997794177.7/42

All: 146.161+/-0.000 χ^2/NDF: 13049892418.

- sign 145.382+/-0.000 χ^2/NDF: 8870186024.2/45

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

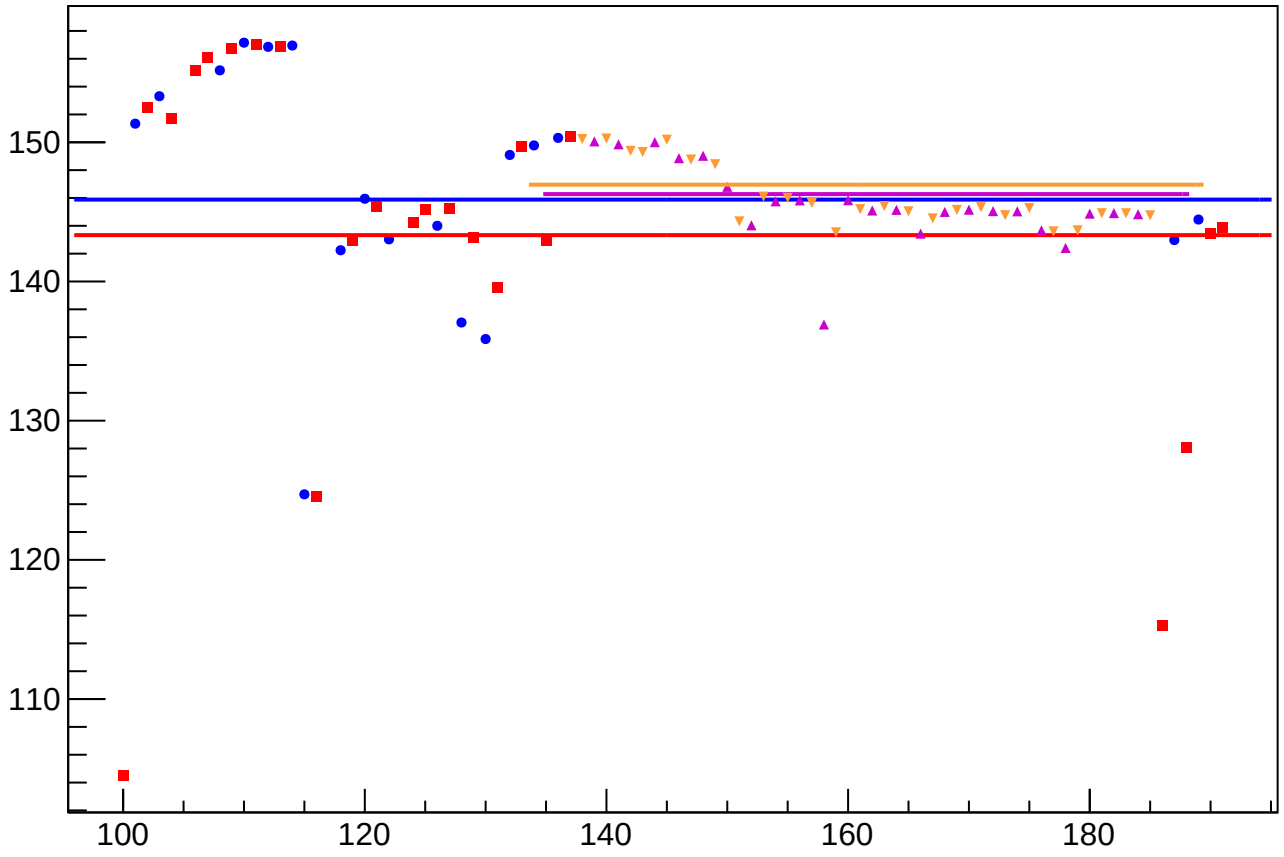
Right Out: 0.352+/-0.000 χ^2/NDF: 1379787.4/22

Left In: 0.448+/-0.000 χ^2/NDF:1347802.9/22

+ sign 0.405+/-0.000 χ^2/NDF: 3826795.3/42

All: 0.406+/-0.000 χ^2/NDF: 7230888.1/88

- sign 0.407+/-0.000 χ^2/NDF: 3403375.9/45



Right In: 145.883+/-0.000 χ^2/NDF: 3633669343.1/17

Left Out: 146.956+/-0.000 χ^2/NDF:542800379.5/24

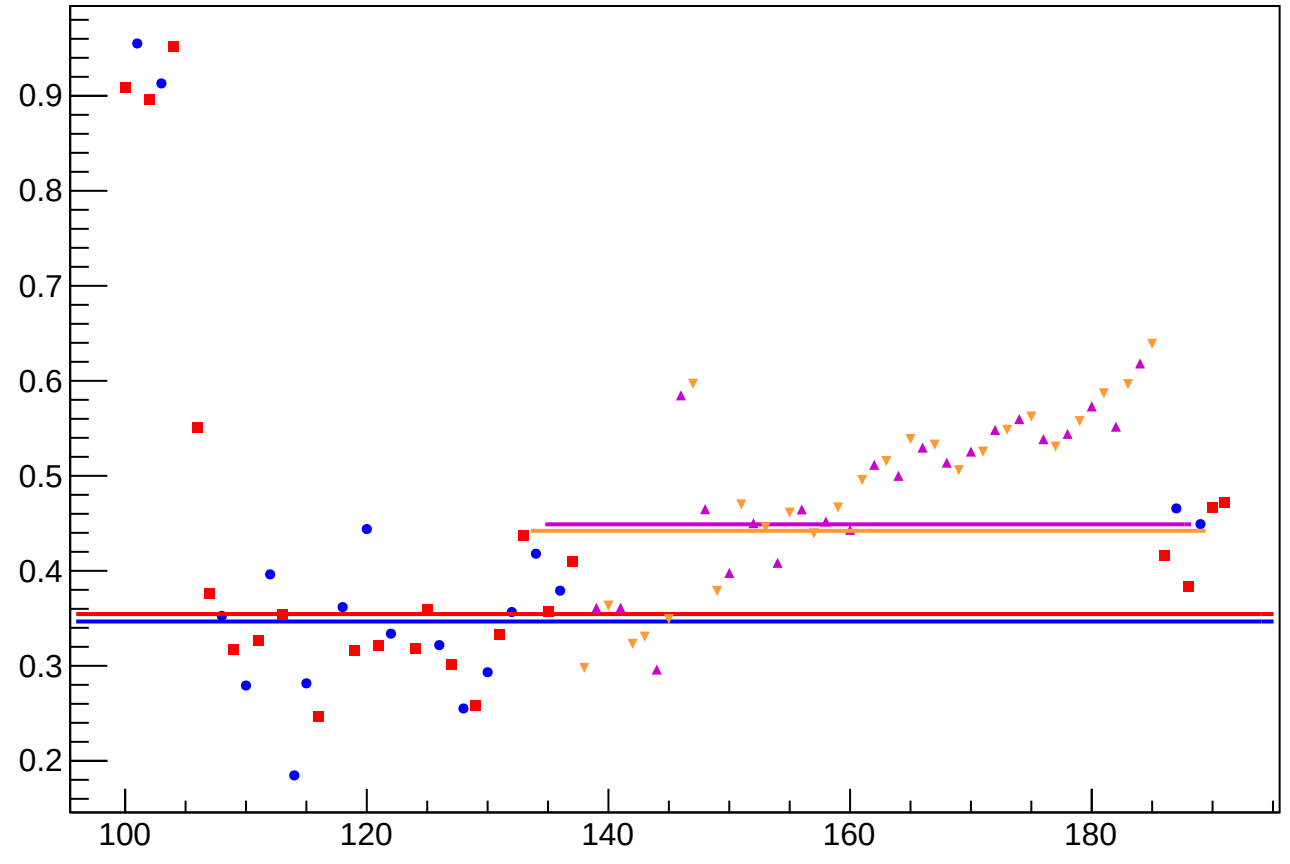
Right Out: 143.330+/-0.000 χ^2/NDF: 7649703788.5/22

Left In: 146.278+/-0.000 χ^2/NDF:825161532.5/22

+ sign 146.556+/-0.000 χ^2/NDF: 4215742377.1/42

All: 145.786+/-0.000 χ^2/NDF: 13175700645.

- sign 145.024+/-0.000 χ^2/NDF: 8788035394.9/45



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: 0.355+/-0.000 χ^2/NDF: 1379591.3/22

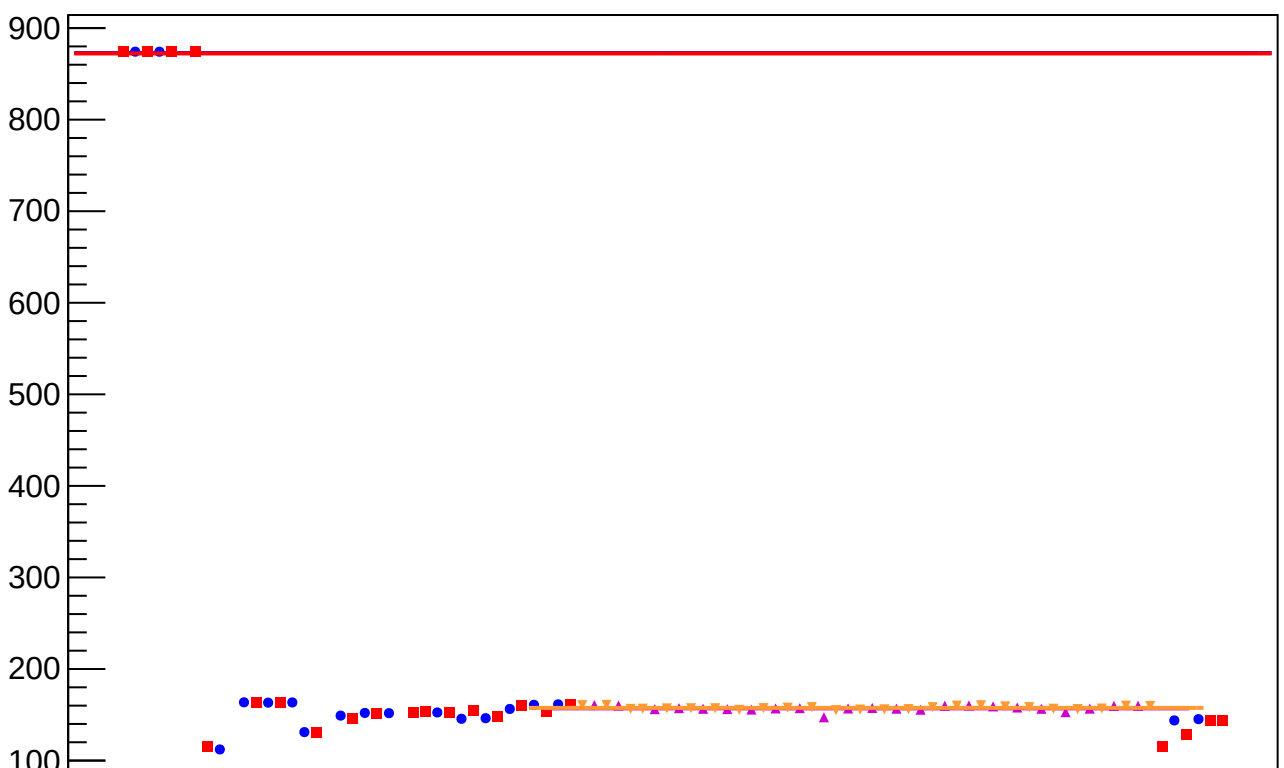
Left In: 0.449+/-0.000 χ^2/NDF:1300658.3/22

+ sign 0.407+/-0.000 χ^2/NDF: 3767052.7/42

All: 0.408+/-0.000 χ^2/NDF: 7090978.7/88

- sign 0.409+/-0.000 χ^2/NDF: 3323170.2/45

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: 872.365+/-0.000 χ^2/NDF: 11065845130598.5/22

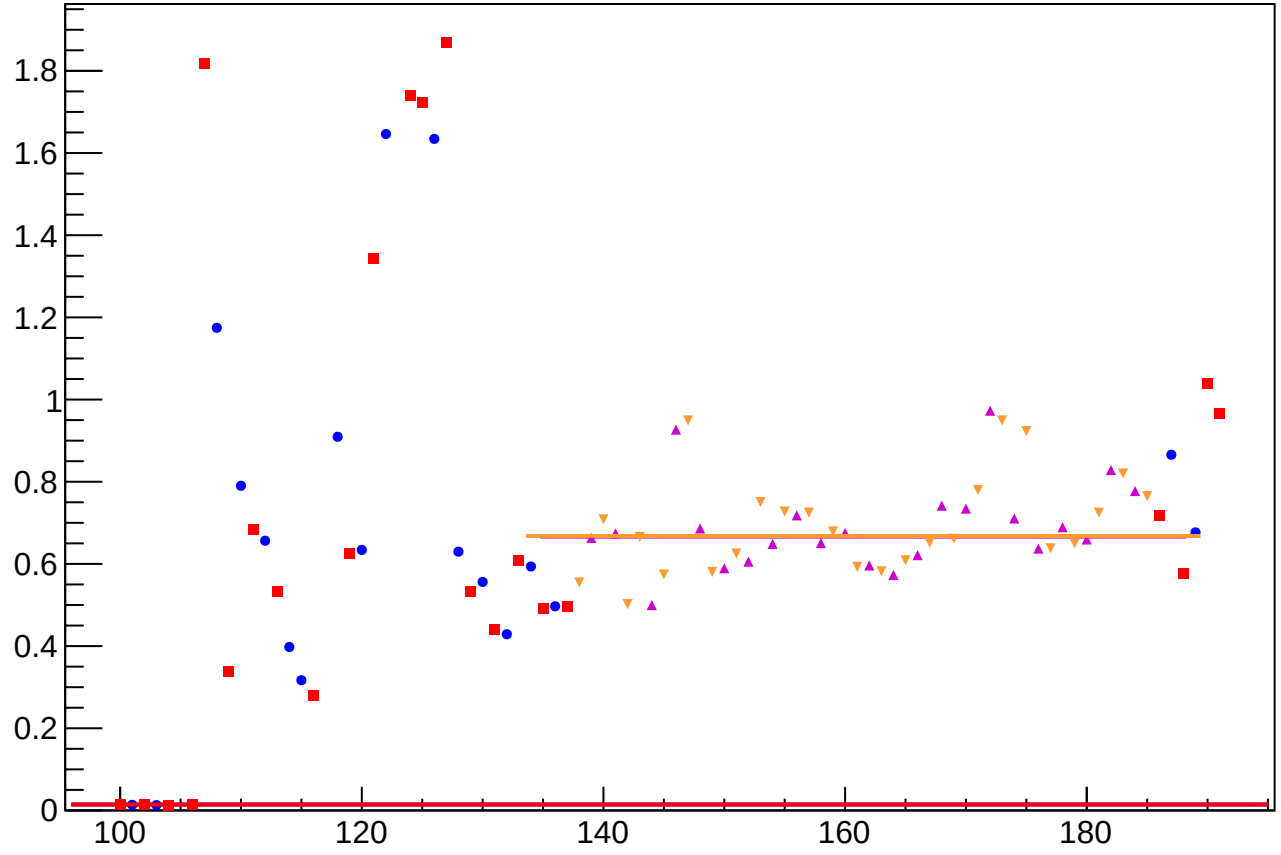
Left In: 157.013+/-0.000 χ^2/NDF:239819941.9/22

+ sign 869.332+/-0.000 χ^2/NDF: 24986314589974.

All: 869.450+/-0.000 χ^2/NDF: 525718841080

- sign 869.553+/-0.000 χ^2/NDF: 27585381663735.6

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: 0.015+/-0.000 χ^2/NDF: 12332463.5/22

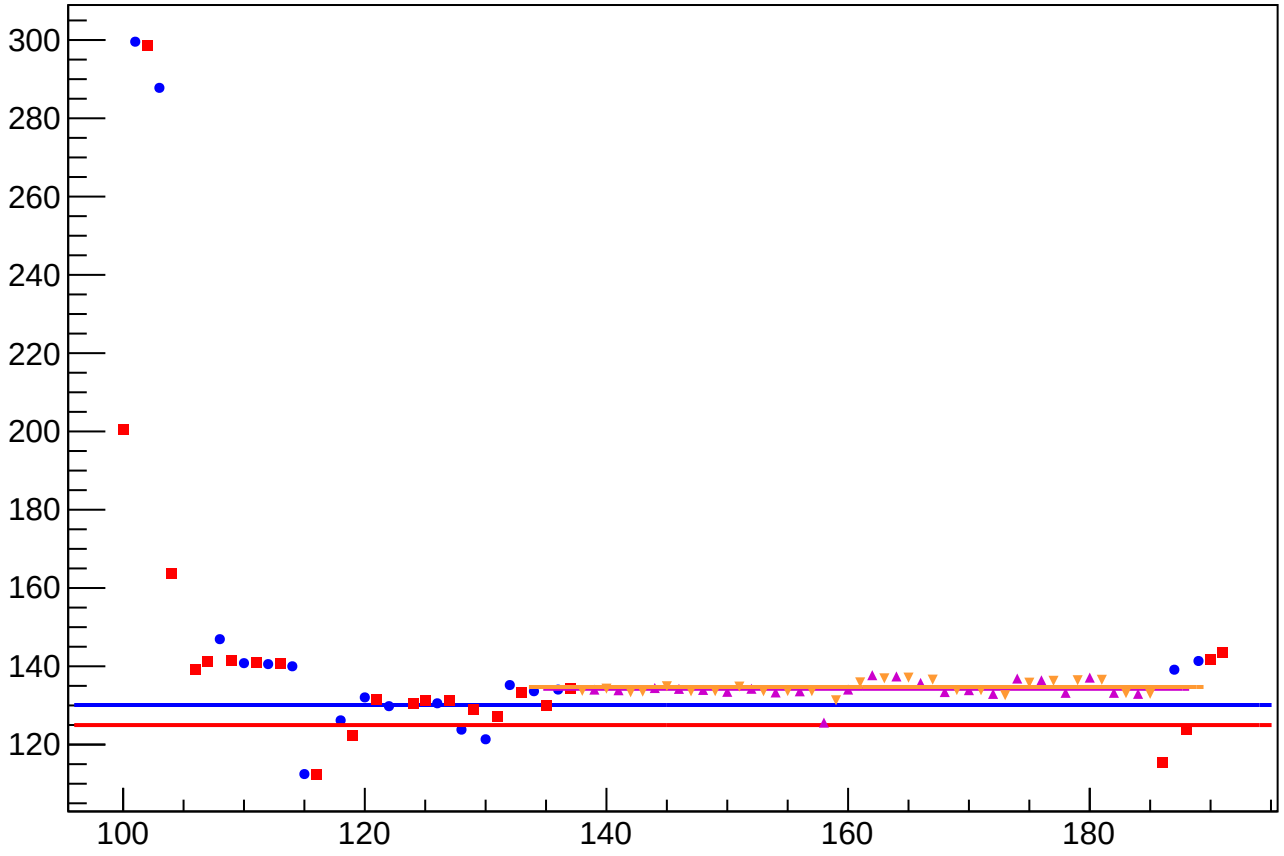
Left In: 0.666+/-0.000 χ^2/NDF:536078.9/22

+ sign 0.018+/-0.000 χ^2/NDF: 40123415.3/42

All: 0.017+/-0.000 χ^2/NDF: 80436142.6/88

- sign 0.017+/-0.000 χ^2/NDF: 40310764.1/45

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: 124.985+/-0.000 χ^2/NDF: 1745029510.2/22

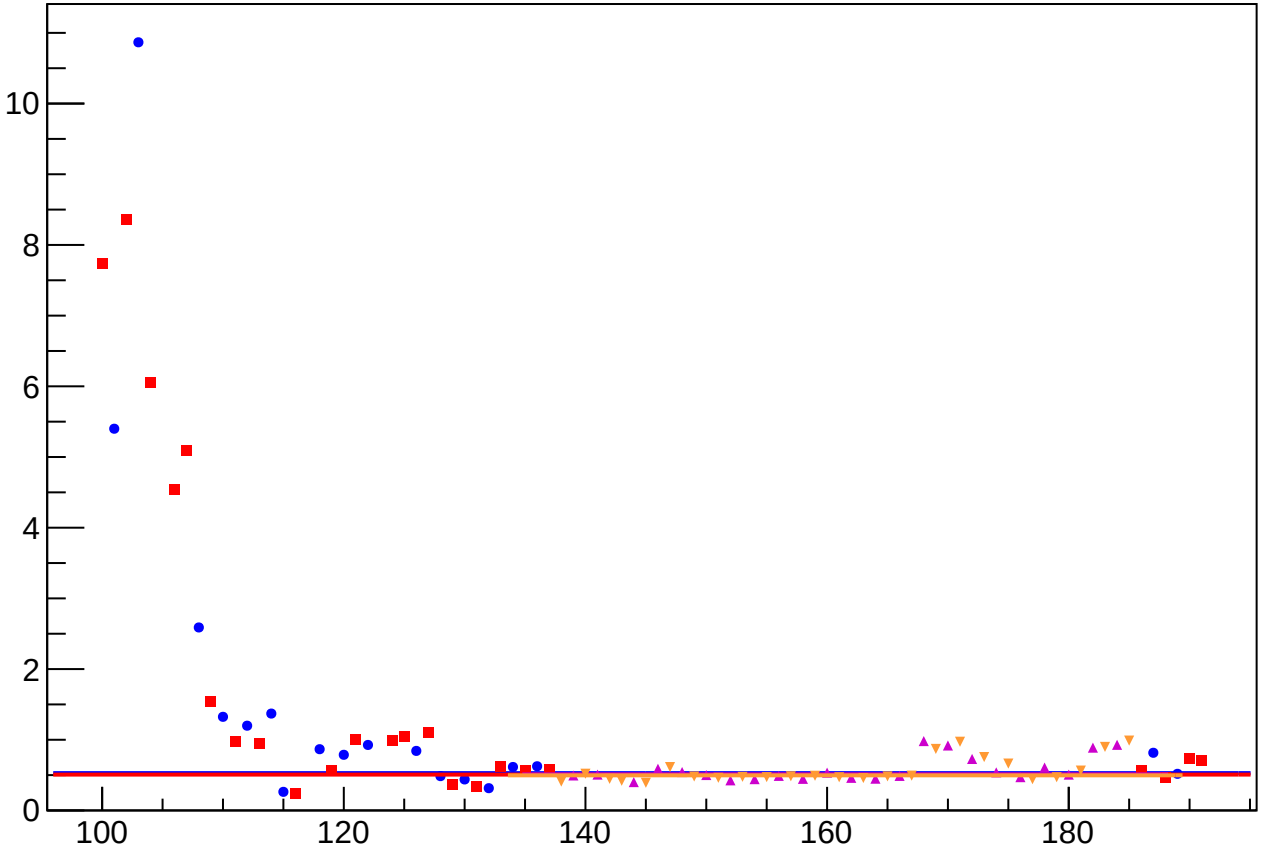
Left In: 134.250+/-0.000 χ^2/NDF:441522664.4/22

+ sign 133.867+/-0.000 χ^2/NDF: 2310746412.0/42

All: 132.939+/-0.000 χ^2/NDF: 5906457977.7

- sign 131.988+/-0.000 χ^2/NDF: 3452849160.4/45

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: 0.507+/-0.000 χ^2/NDF: 4978575.2/22

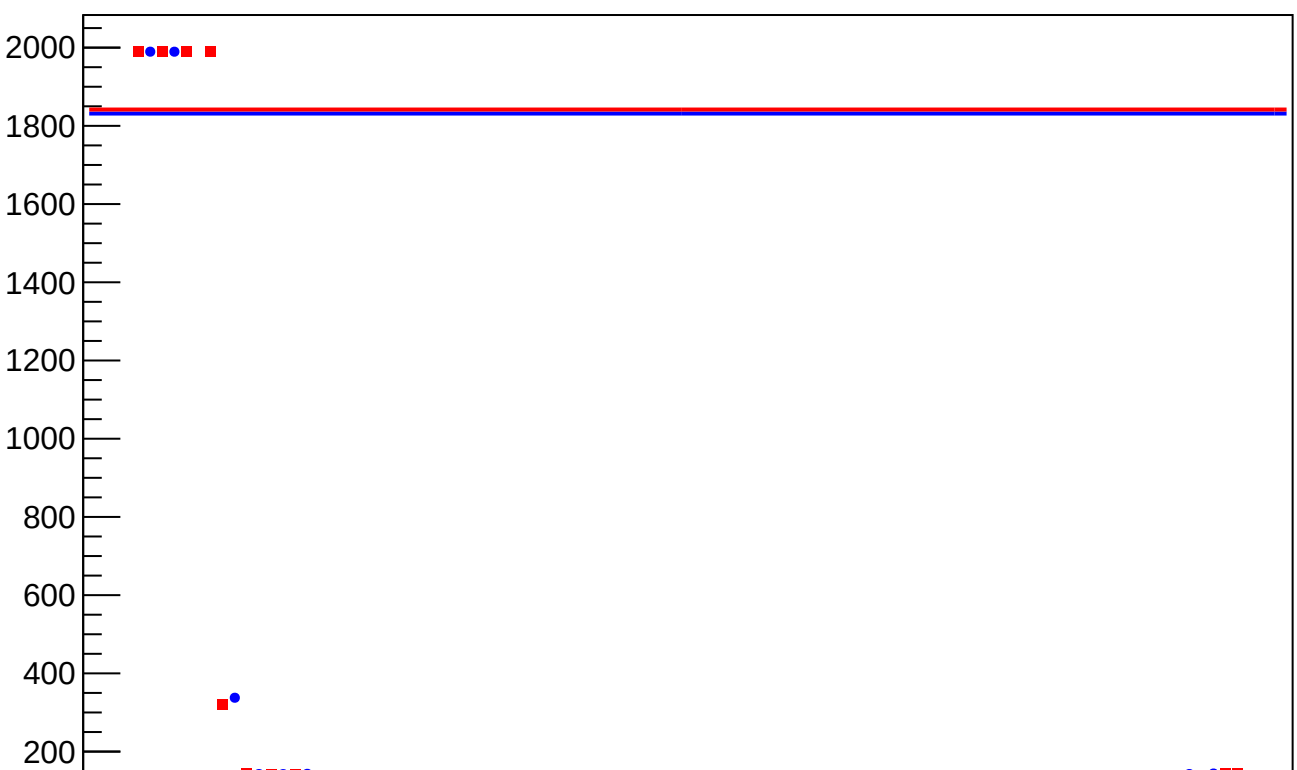
Left In: 0.510+/-0.000 χ^2/NDF:1485489.4/22

+ sign 0.503+/-0.000 χ^2/NDF: 5774974.0/42

All: 0.506+/-0.000 χ^2/NDF: 12242505.9/88

- sign 0.509+/-0.000 χ^2/NDF: 6464205.6/45

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: 1841.736+/-0.000 χ^2/NDF: 1707920245189O3.9/22

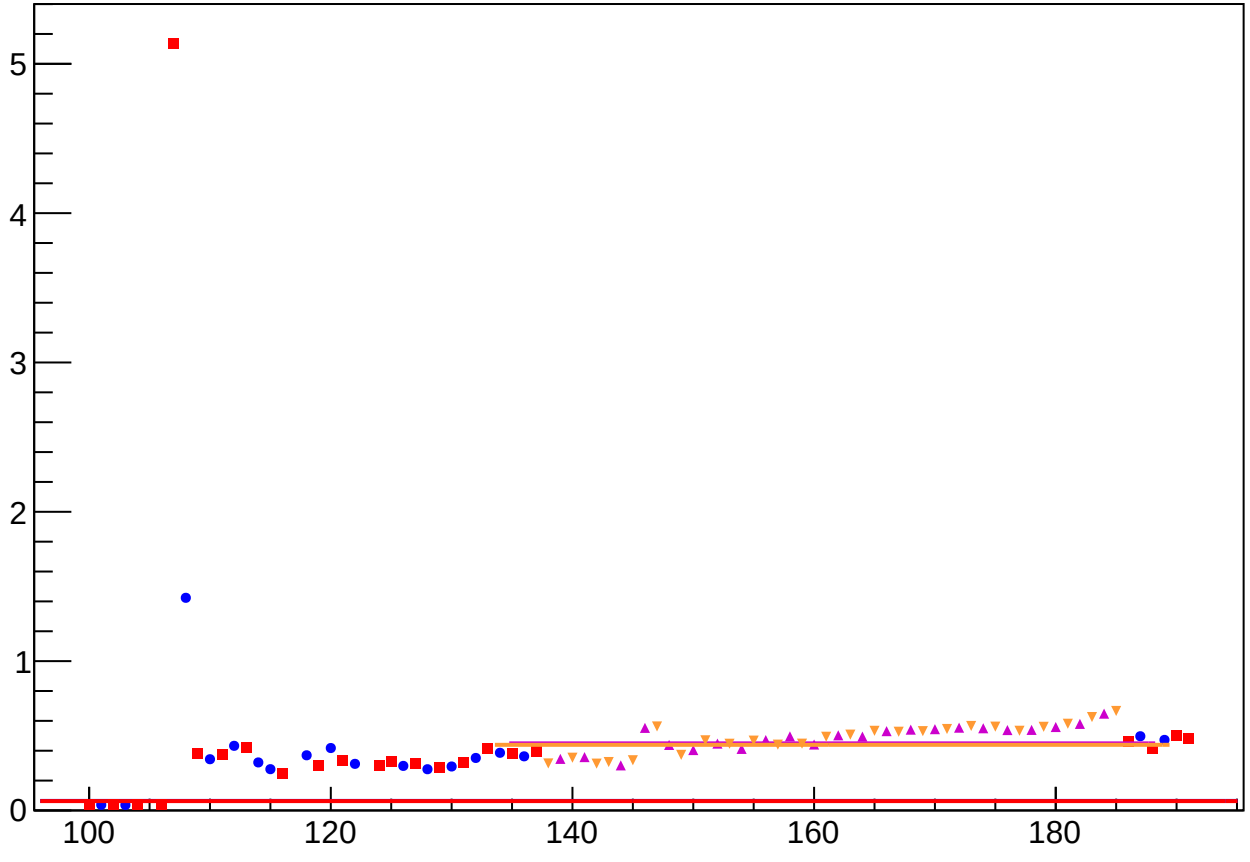
Left In: 137.349+/-0.000 χ^2/NDF:248752254.7/22

+ sign 1595.308+/-0.000 χ^2/NDF: 3832292885932

All: 1625.228+/-0.000 χ^2/NDF: 774184509

- sign 1651.438+/-0.000 χ^2/NDF: 38983679369880

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

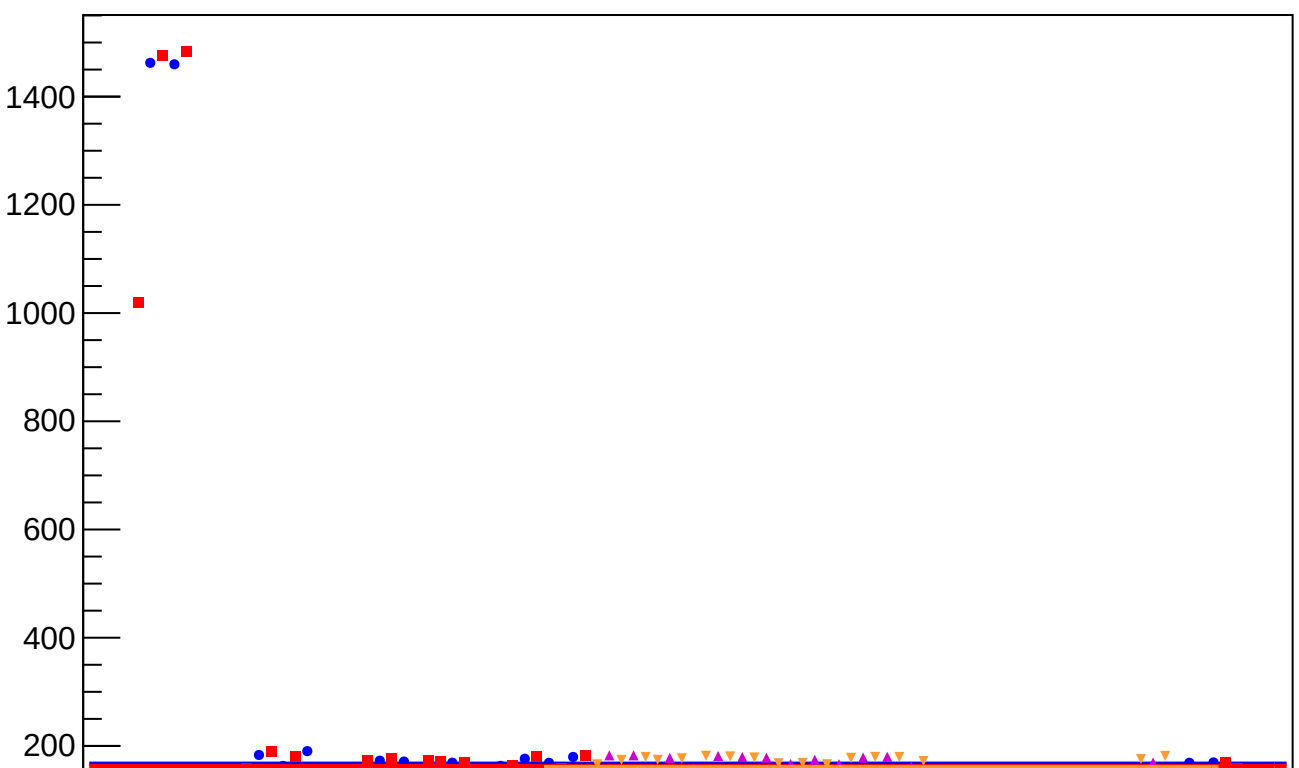
Right Out: 0.063+/-0.000 χ^2/NDF: 10525396.4/22

Left In: 0.449+/-0.000 χ^2/NDF:1340860.2/22

+ sign 0.116+/-0.000 χ^2/NDF: 33473278.0/42

All: 0.111+/-0.000 χ^2/NDF: 67955511.9/88

- sign 0.106+/-0.000 χ^2/NDF: 34405883.4/45



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: 162.937+/-0.000 χ^2/NDF: 17322580830.6/22

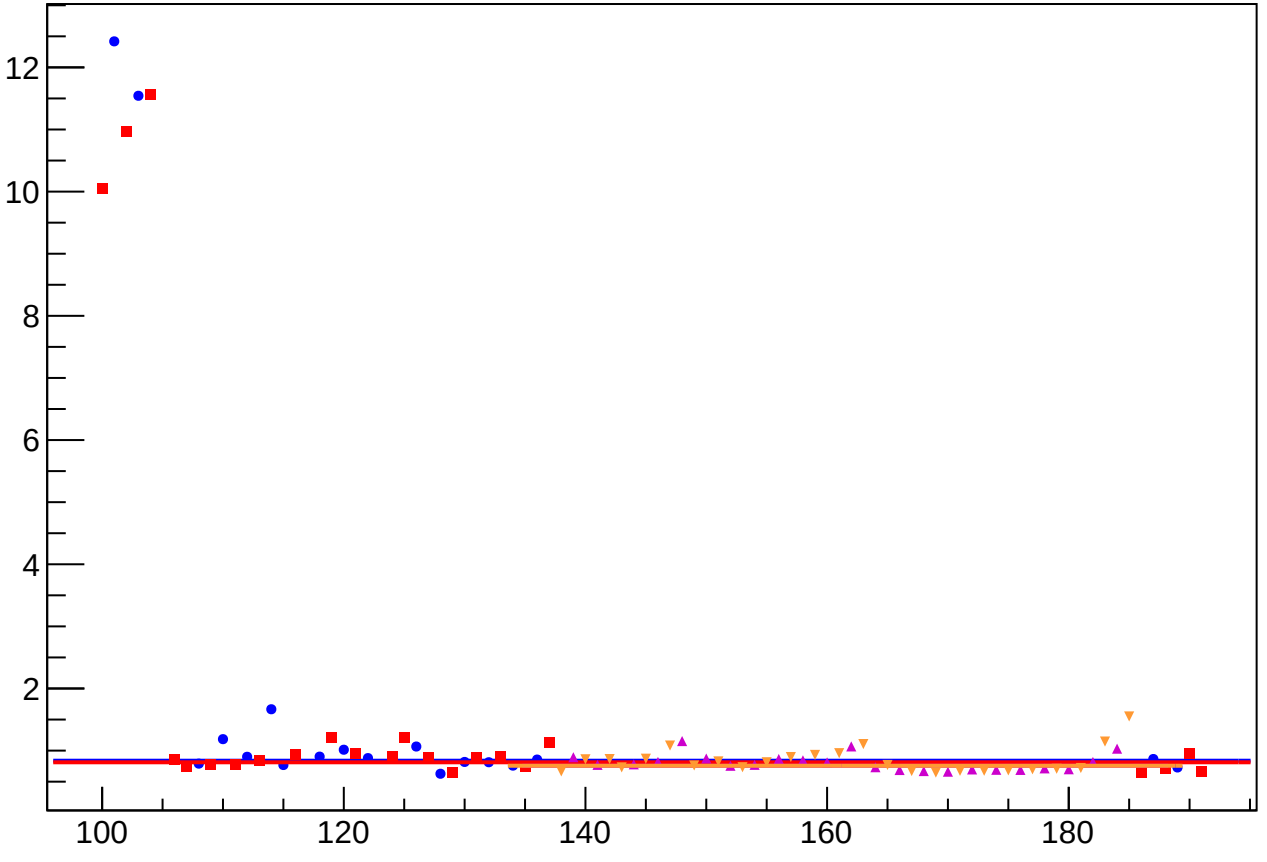
Left In: 160.140+/-0.000 χ^2/NDF:3738383186.1/22

+ sign 162.419+/-0.000 χ^2/NDF: 18553552982.5/42

All: 161.632+/-0.000 χ^2/NDF: 39700479303.

- sign 160.876+/-0.000 χ^2/NDF: 21109542216.0/45

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

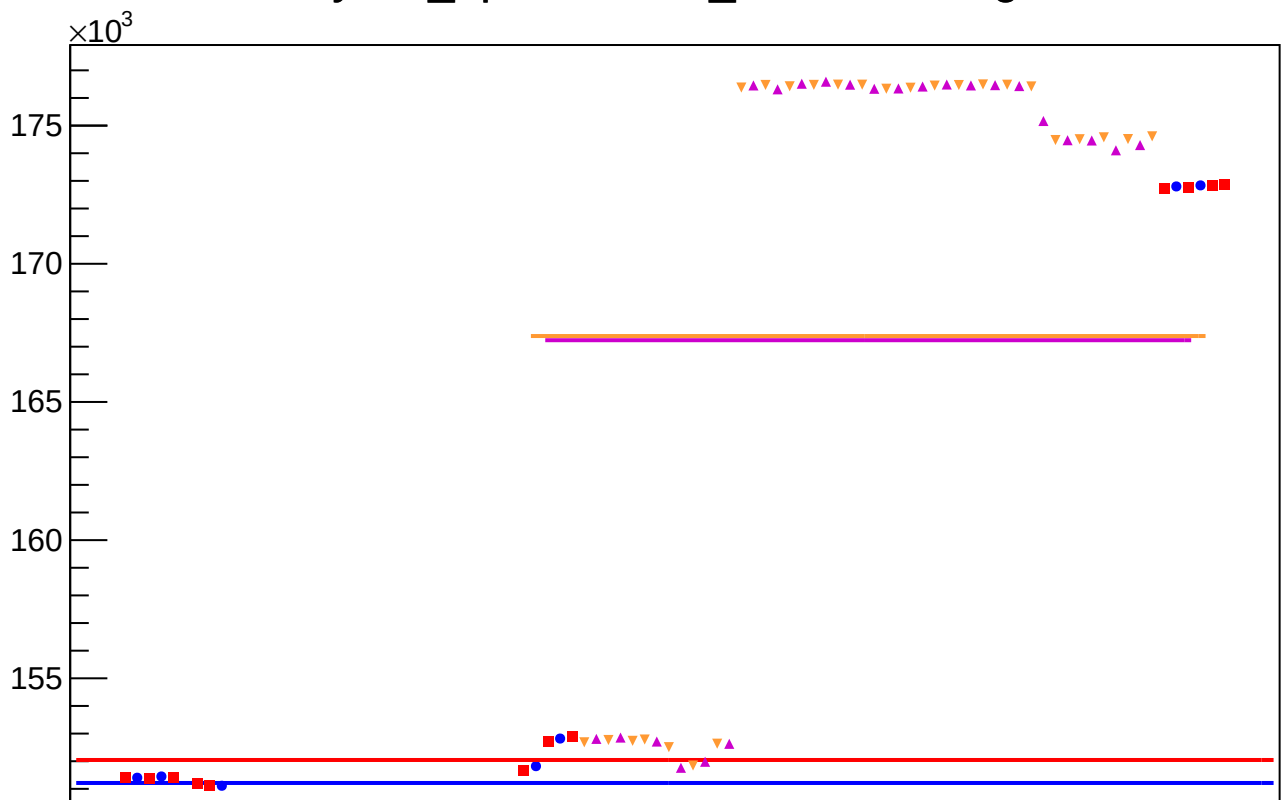
Right Out: 0.812+/-0.000 χ^2/NDF: 2339143.7/22

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: 5991649.3/88

- sign 0.770+/-0.000 χ^2/NDF: 2851536.4/45



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: 152044.587+/-0.049 χ^2/NDF: 12873384457.7/22

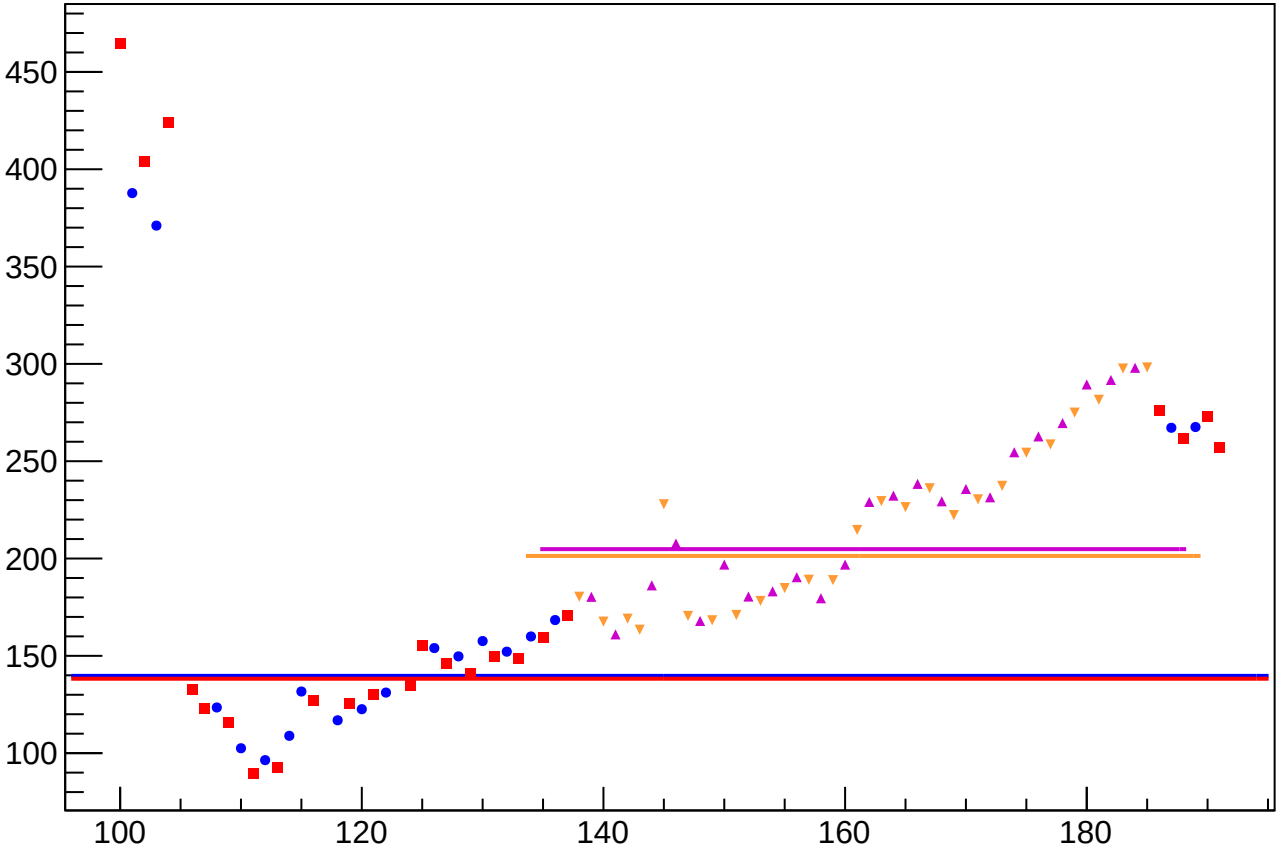
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 160432.643+/-0.035 χ^2/NDF: 116135373089

All: 160059.252+/-0.025 χ^2/NDF: 23225647

- sign 159698.341+/-0.035 χ^2/NDF: 115900882242

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

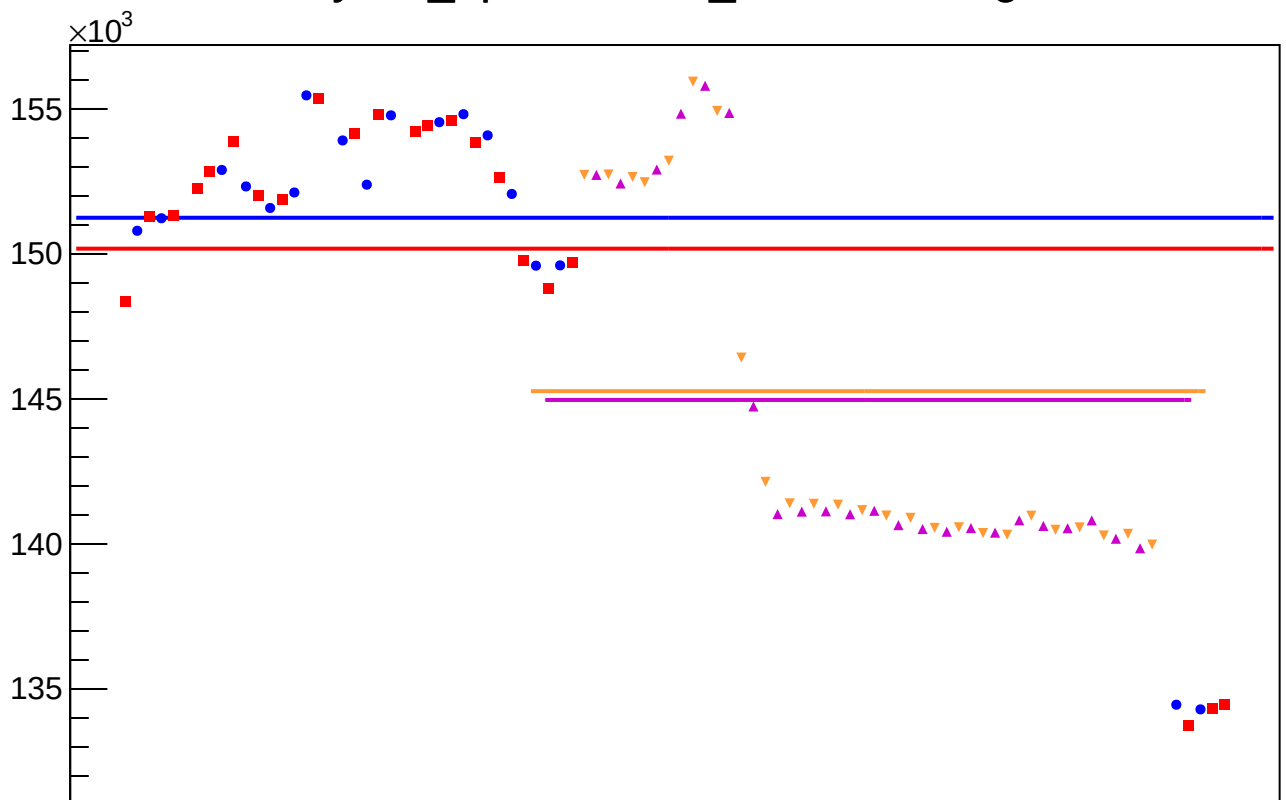
Right Out: 138.246+/-0.035 χ^2/NDF: 2574856.8/22

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

+ sign 174.835+/-0.025 χ^2/NDF: 4478080.7/42

All: 173.289+/-0.017 χ^2/NDF: 9955309.3/88

- sign 171.794+/-0.025 χ^2/NDF: 5469674.4/45



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: 150183.854+/-0.062 χ^2/NDF: 12320144893.7/22

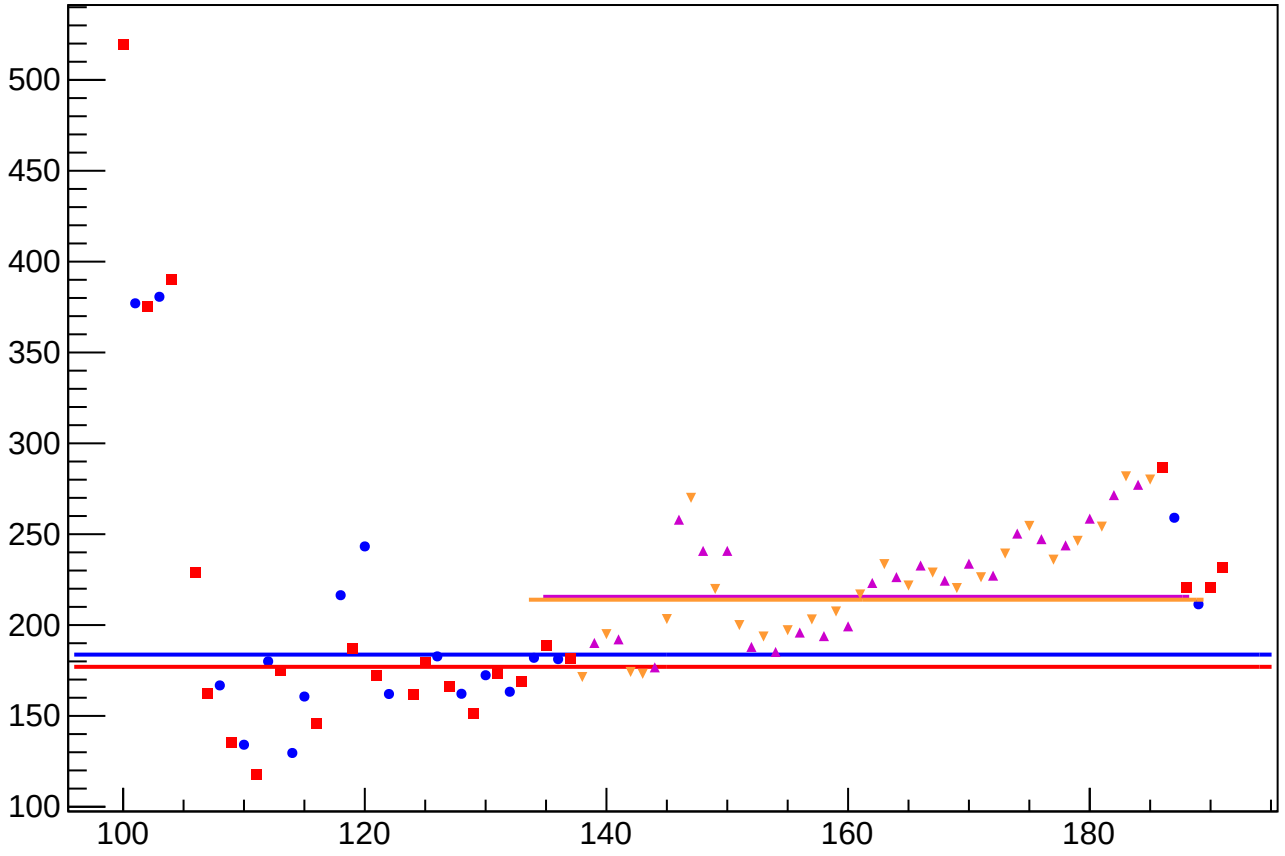
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign 147257.828+/-0.040 χ^2/NDF: 23717579097.

All: 147169.850+/-0.028 χ^2/NDF: 5341897

- sign 147085.728+/-0.039 χ^2/NDF: 29692097235.

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

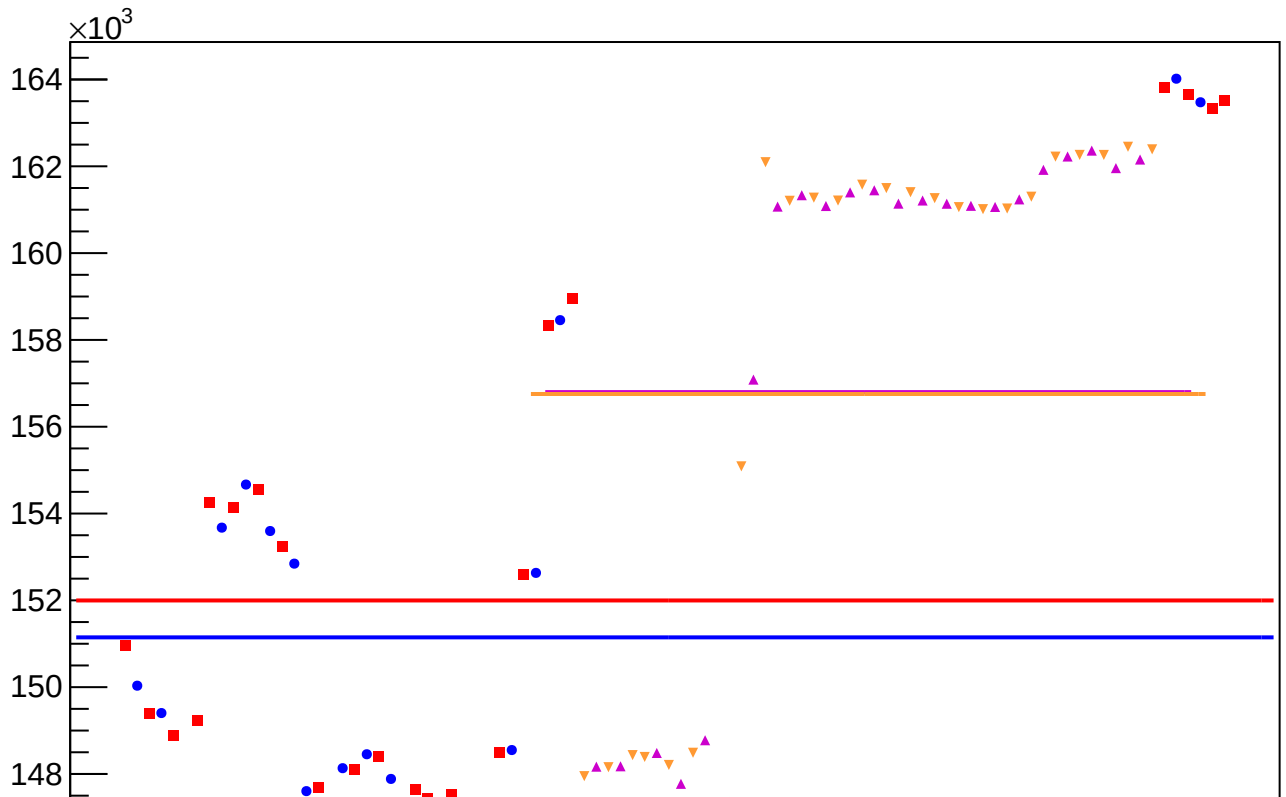
Right Out: 177.010+/-0.044 χ^2/NDF: 1371407.1/22

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 203.907+/-0.029 χ^2/NDF: 1858913.3/42

All: 201.852+/-0.020 χ^2/NDF: 4300990.3/88

- sign 199.888+/-0.028 χ^2/NDF: 2431938.7/45



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: 151997.477+/-0.058 χ^2/NDF: 6706740904.2/22

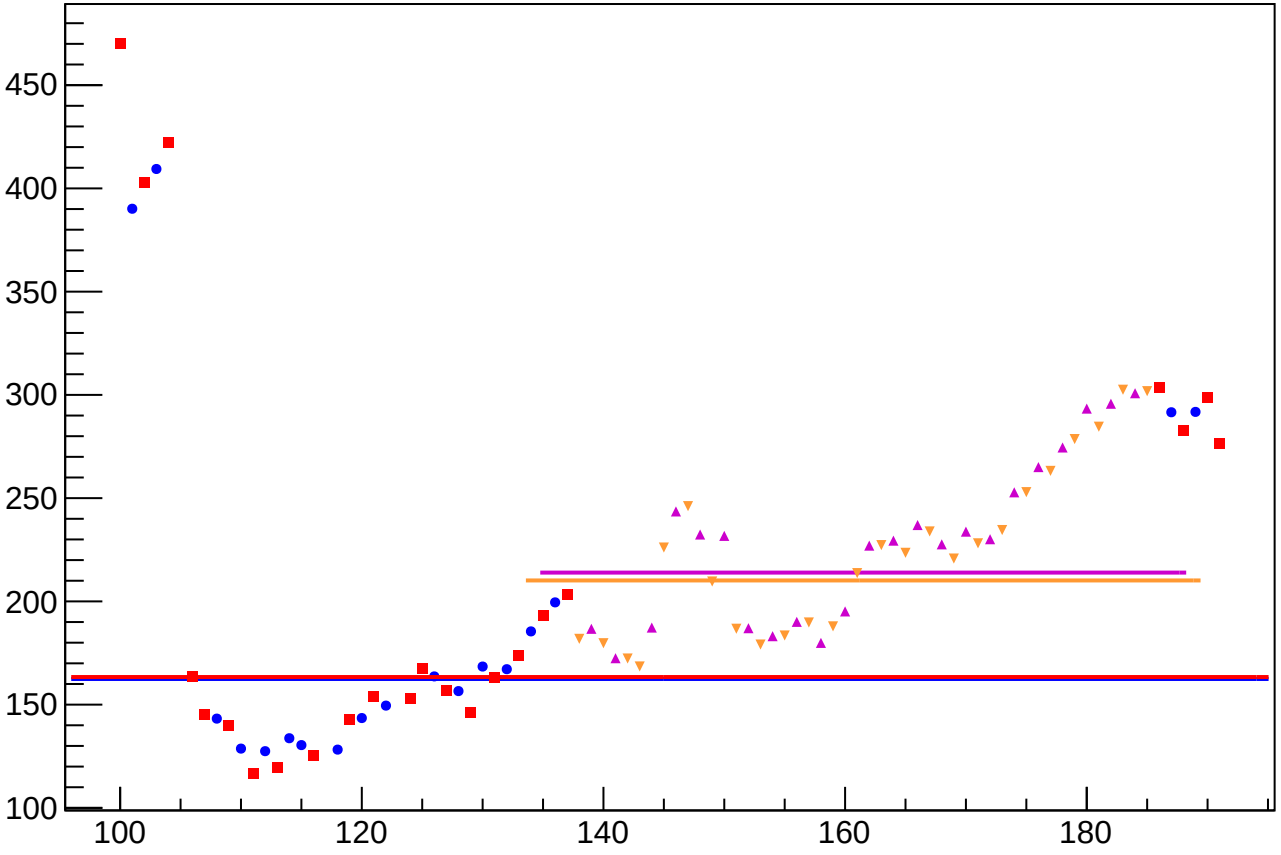
Left In: 156798.005+/-0.051 χ^2/NDF:14344098884.4/22

+ sign 154612.964+/-0.038 χ^2/NDF: 26087994625.

All: 154653.424+/-0.027 χ^2/NDF: 51032176

- sign 154693.766+/-0.038 χ^2/NDF: 24941946114.

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: 163.364+/-0.041 χ^2/NDF: 2059022.9/22

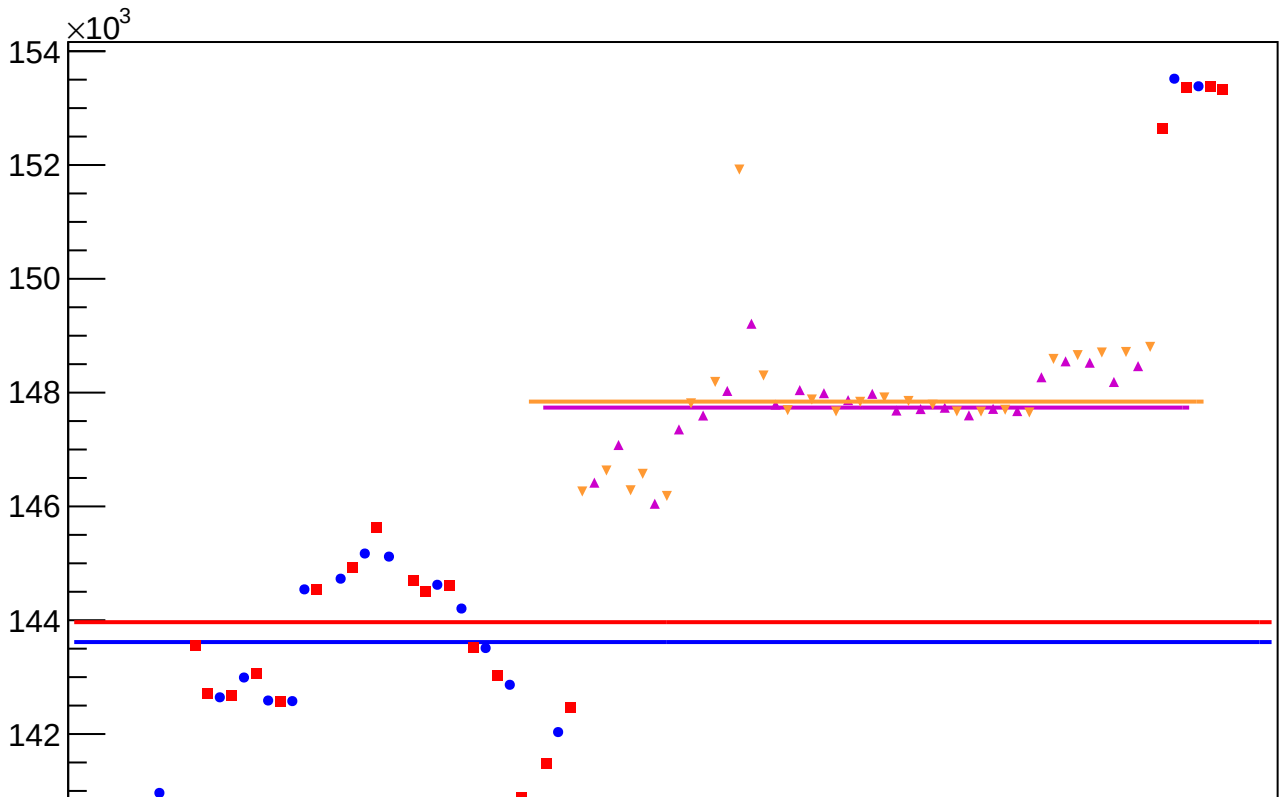
Left In: 213.945+/-0.036 χ^2/NDF:914465.3/22

+ sign 191.921+/-0.027 χ^2/NDF: 3218253.6/42

All: 191.847+/-0.019 χ^2/NDF: 7055752.2/88

- sign 191.773+/-0.027 χ^2/NDF: 3837483.7/45

yield_bpm0i01aWS_mean vs Slug



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: 143965.829+/-0.048 χ^2/NDF: 3351731442.8/22

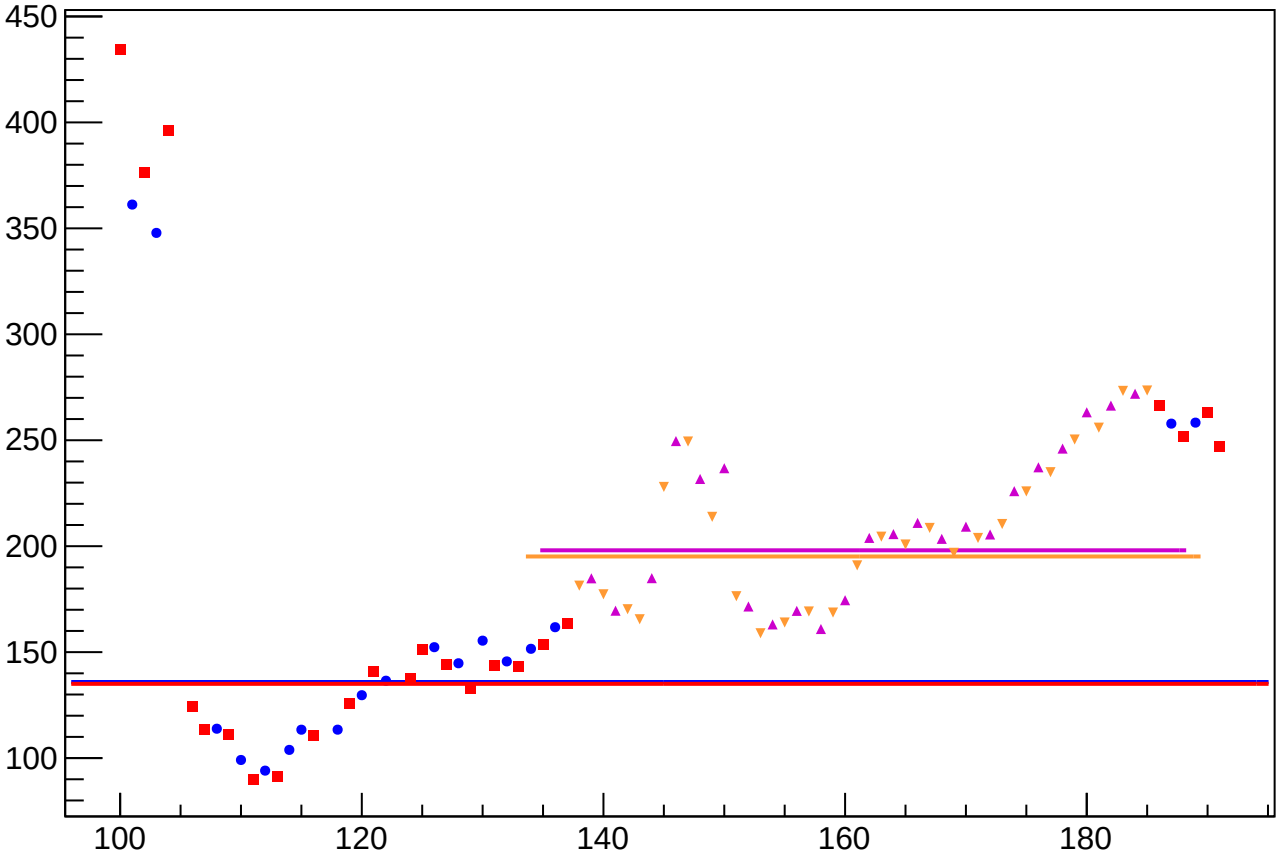
Left In: 147736.722+/-0.047 χ^2/NDF:227077133.0/22

+ sign 146039.983+/-0.034 χ^2/NDF: 6072757703.7

All: 145960.126+/-0.024 χ^2/NDF: 12802589

- sign 145882.762+/-0.034 χ^2/NDF: 6719084592.0/

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

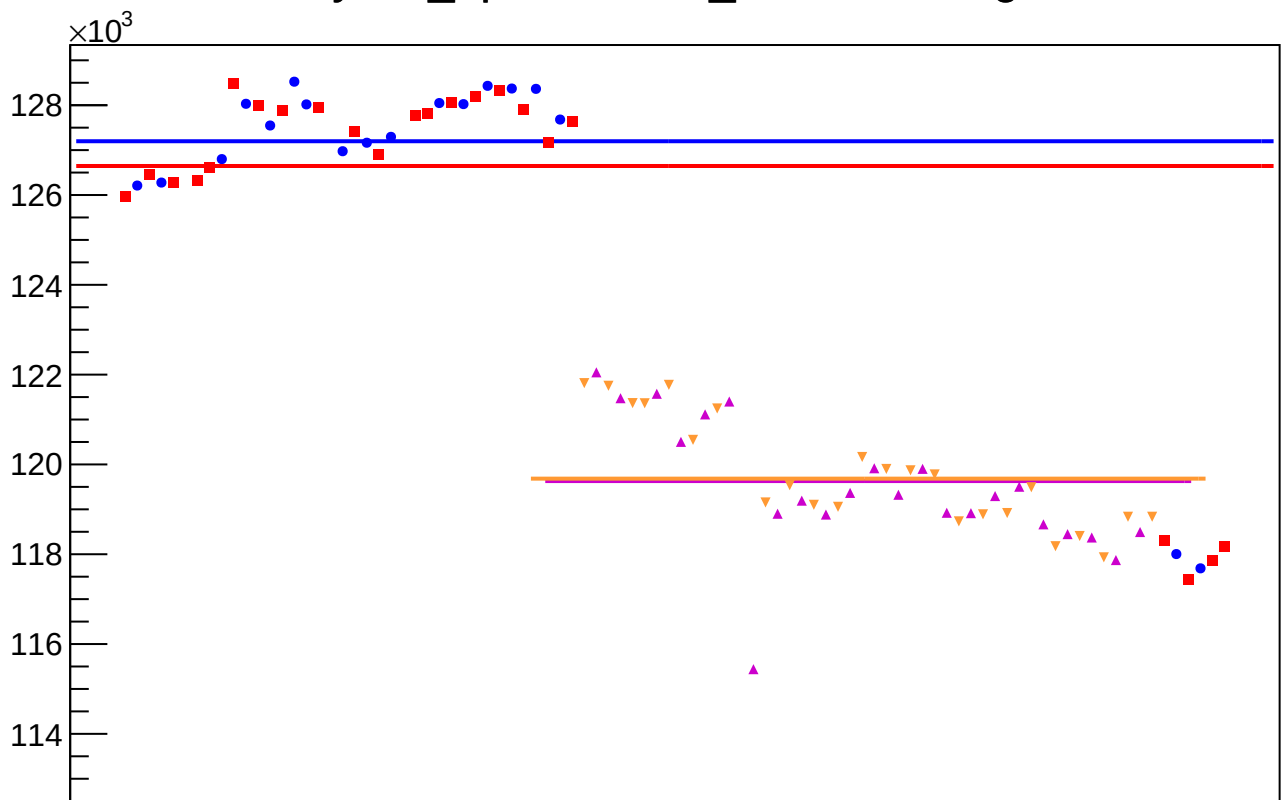
Right Out: 135.042+/-0.034 χ^2/NDF: 2475708.1/22

Left In: 198.057+/-0.033 χ^2/NDF:900359.1/22

+ sign 169.882+/-0.024 χ^2/NDF: 4083091.7/42

All: 168.456+/-0.017 χ^2/NDF: 9219856.7/88

- sign 167.076+/-0.024 χ^2/NDF: 5129918.3/45



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: 126646.305+/-0.052 χ^2/NDF: 3720915613.2/22

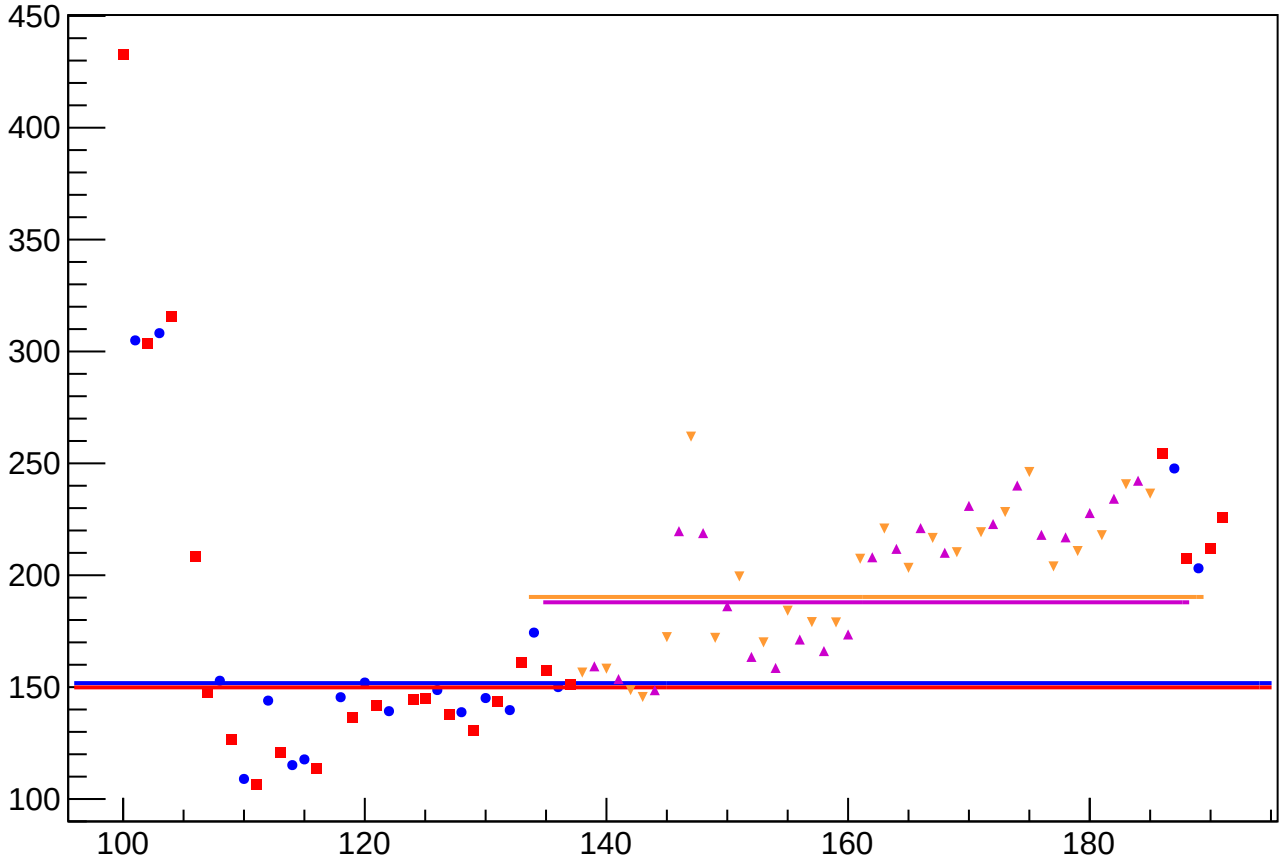
Left In: 119629.600+/-0.045 χ^2/NDF:1317214801.7/22

+ sign 122515.950+/-0.035 χ^2/NDF: 14434751677.

All: 122581.743+/-0.024 χ^2/NDF: 29931009

- sign 122643.957+/-0.034 χ^2/NDF: 15489358654.

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

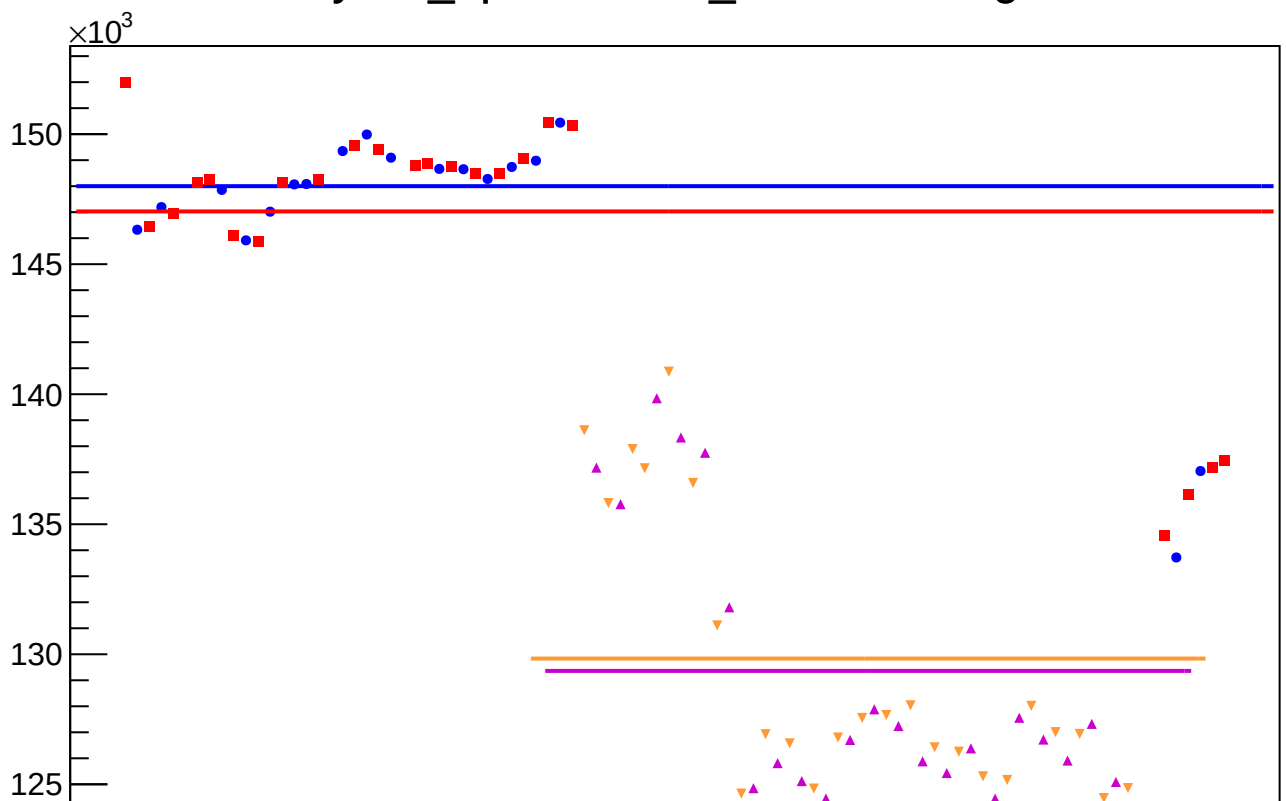
Right Out: 149.889+/-0.037 χ^2/NDF: 1446087.2/22

Left In: 187.909+/-0.032 χ^2/NDF:926037.0/22

+ sign 175.783+/-0.025 χ^2/NDF: 2449881.5/42

All: 173.621+/-0.017 χ^2/NDF: 5450590.4/88

- sign 171.576+/-0.024 χ^2/NDF: 2985804.1/45



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: 147027.943+/-0.073 χ^2/NDF: 2905490718.1/22

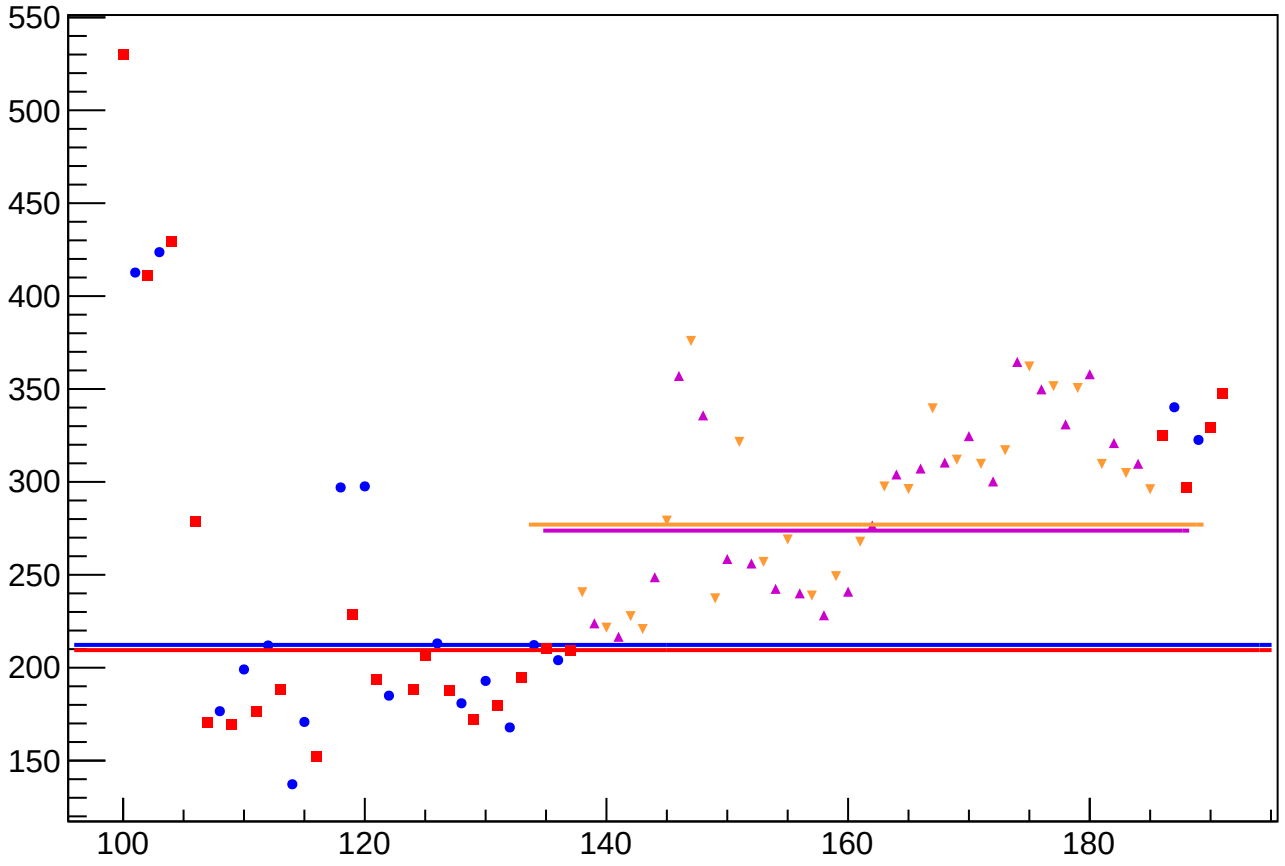
Left In: 129360.487+/-0.065 χ^2/NDF:6626094577.9/22

+ sign 136932.852+/-0.050 χ^2/NDF: 39268281622.

All: 137109.719+/-0.035 χ^2/NDF: 81566262

- sign 137275.781+/-0.049 χ^2/NDF: 42273825450.

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

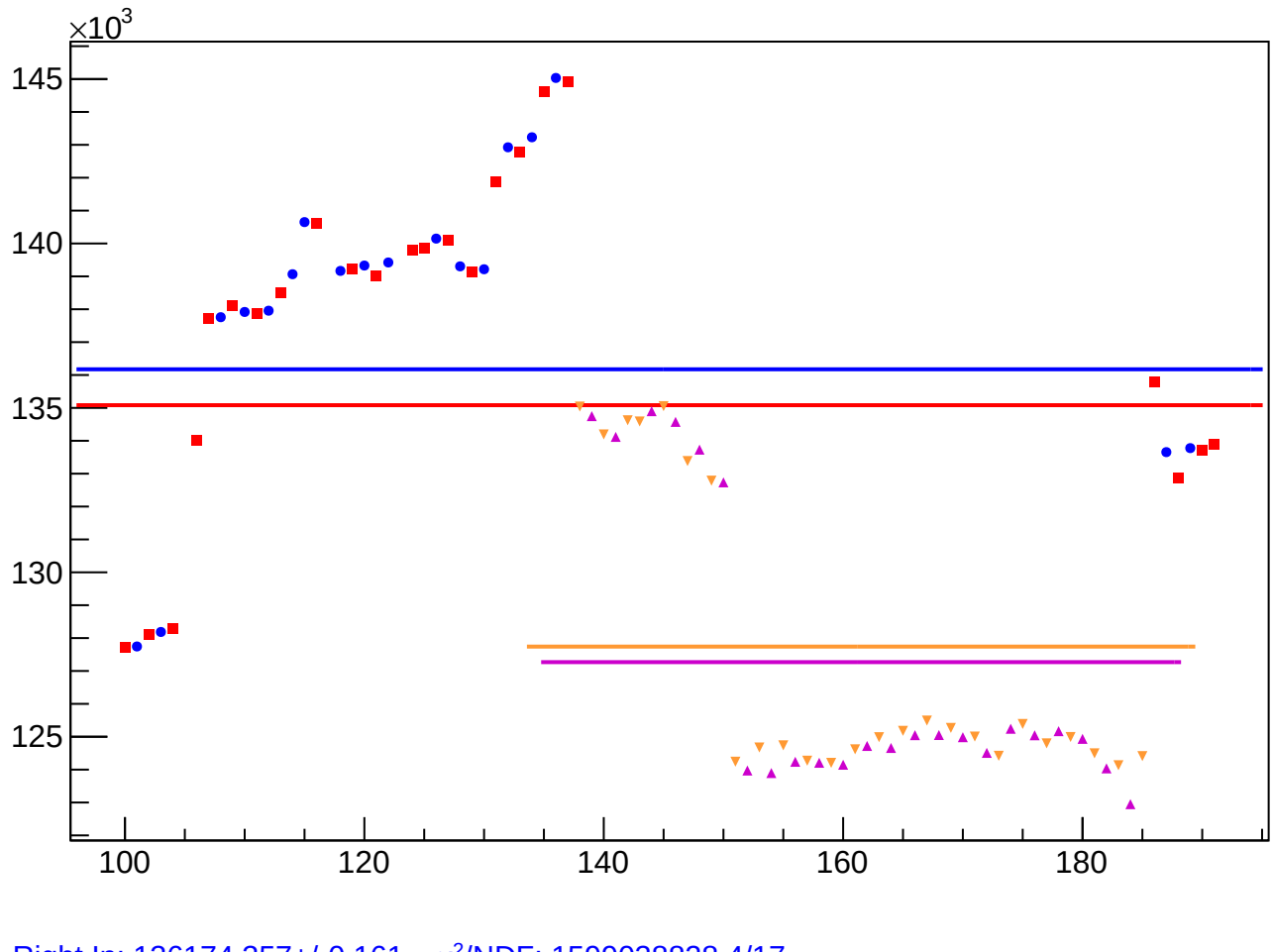
Right Out: 209.474+/-0.051 χ^2/NDF: 1384682.3/22

Left In: 273.784+/-0.046 χ^2/NDF:1003910.6/22

+ sign 251.722+/-0.035 χ^2/NDF: 2897784.8/42

All: 248.241+/-0.025 χ^2/NDF: 6172772.9/88

- sign 244.972+/-0.034 χ^2/NDF: 3256274.4/45



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: 135082.579+/-0.146 χ^2/NDF: 1236981388.7/22

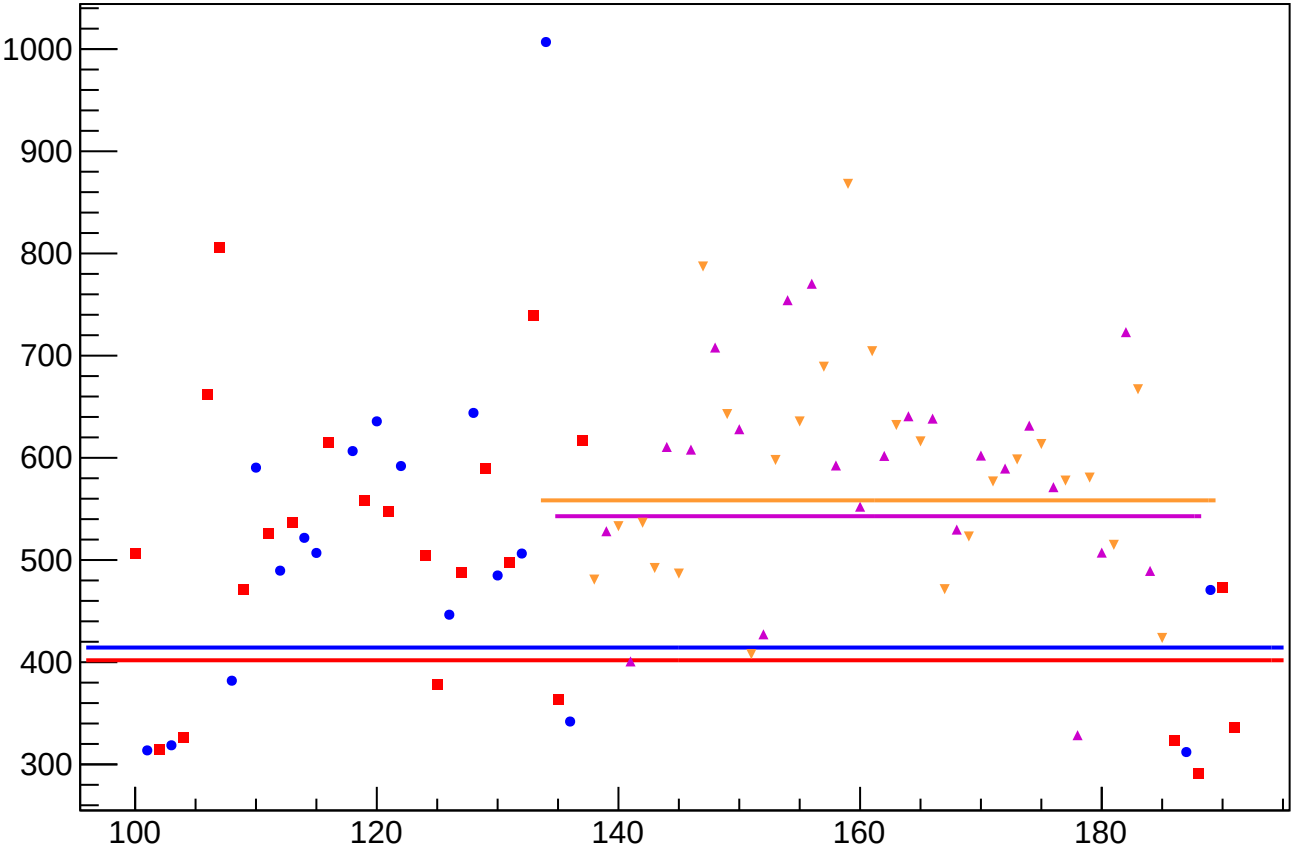
Left In: 127268.542+/-0.139 χ^2/NDF:971404491.0/22

+ sign 131237.442+/-0.104 χ^2/NDF: 4295690654.5

All: 131100.269+/-0.072 χ^2/NDF: 80136908

- sign 130971.427+/-0.101 χ^2/NDF: 3714608997.7/

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

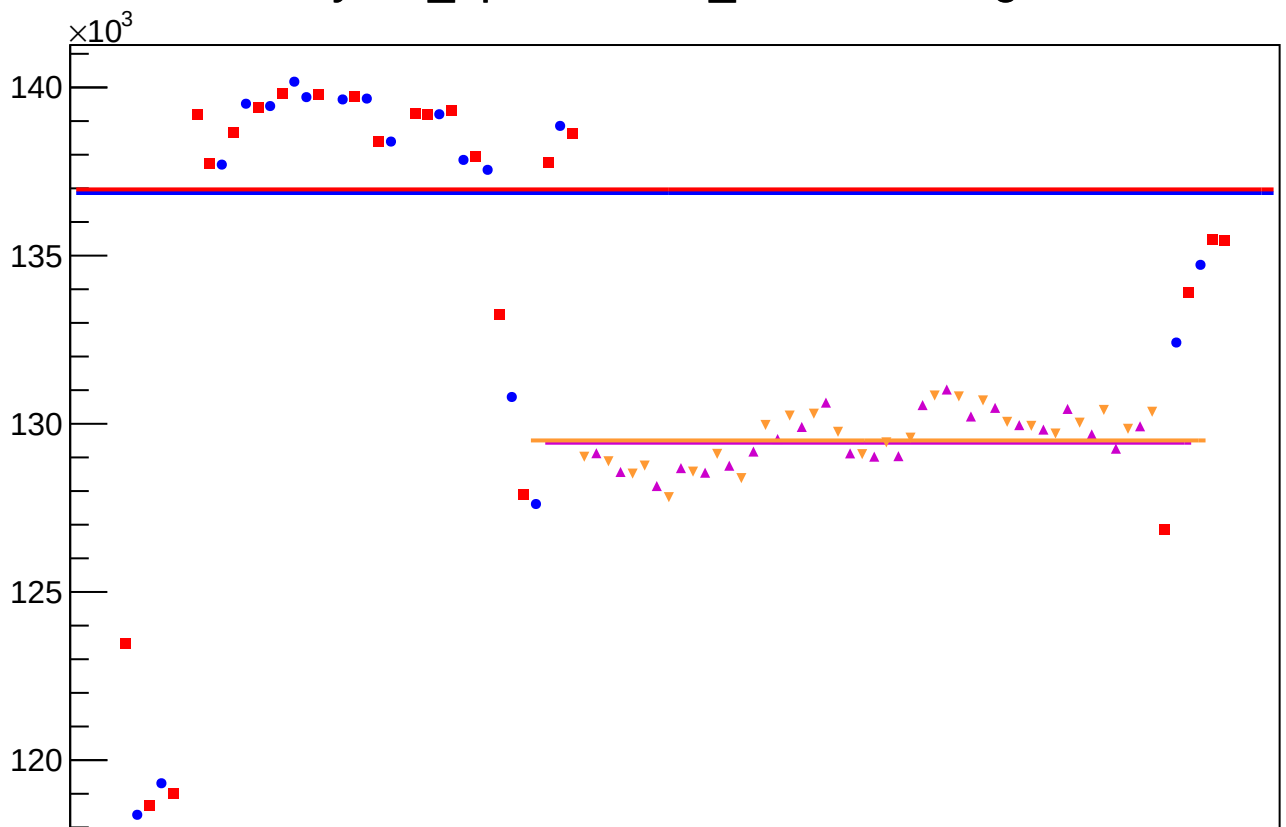
Right Out: 401.883+/-0.103 χ^2/NDF: 1284122.1/22

Left In: 542.872+/-0.098 χ^2/NDF:1416690.9/22

+ sign 498.665+/-0.073 χ^2/NDF: 2978020.6/42

All: 487.009+/-0.051 χ^2/NDF: 6708516.3/88

- sign 476.060+/-0.071 χ^2/NDF: 3681524.6/45



Right In: 136861.765+/-0.068 χ^2/NDF: 5874118113.5/17

Left Out: 129504.922+/-0.047 χ^2/NDF:299464438.2/24

Right Out: 136968.406+/-0.063 χ^2/NDF: 6285873039.4/22

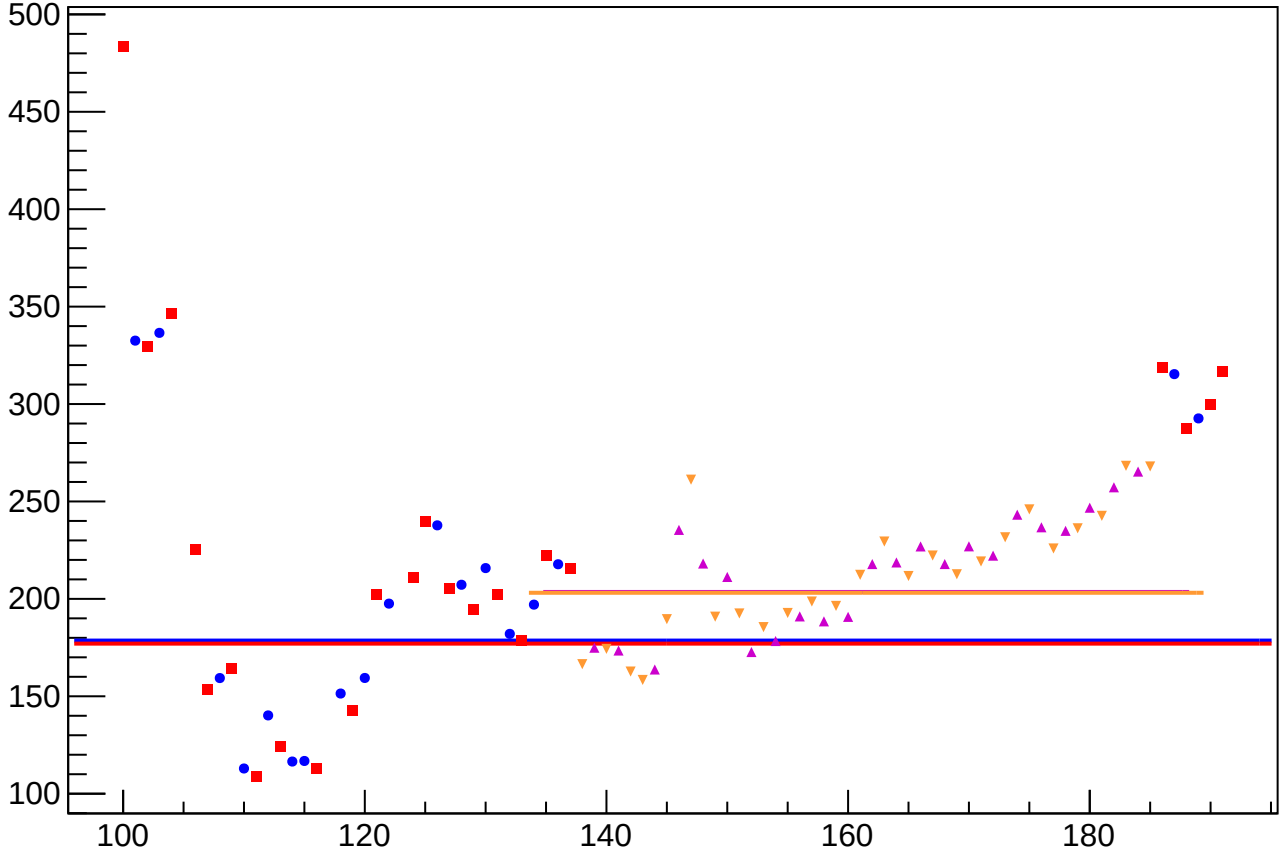
Left In: 129437.551+/-0.048 χ^2/NDF:269025464.3/22

+ sign 131863.475+/-0.039 χ^2/NDF: 14029326337.

All: 132057.017+/-0.027 χ^2/NDF: 29652910

- sign 132246.686+/-0.038 χ^2/NDF: 15574161008.1

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

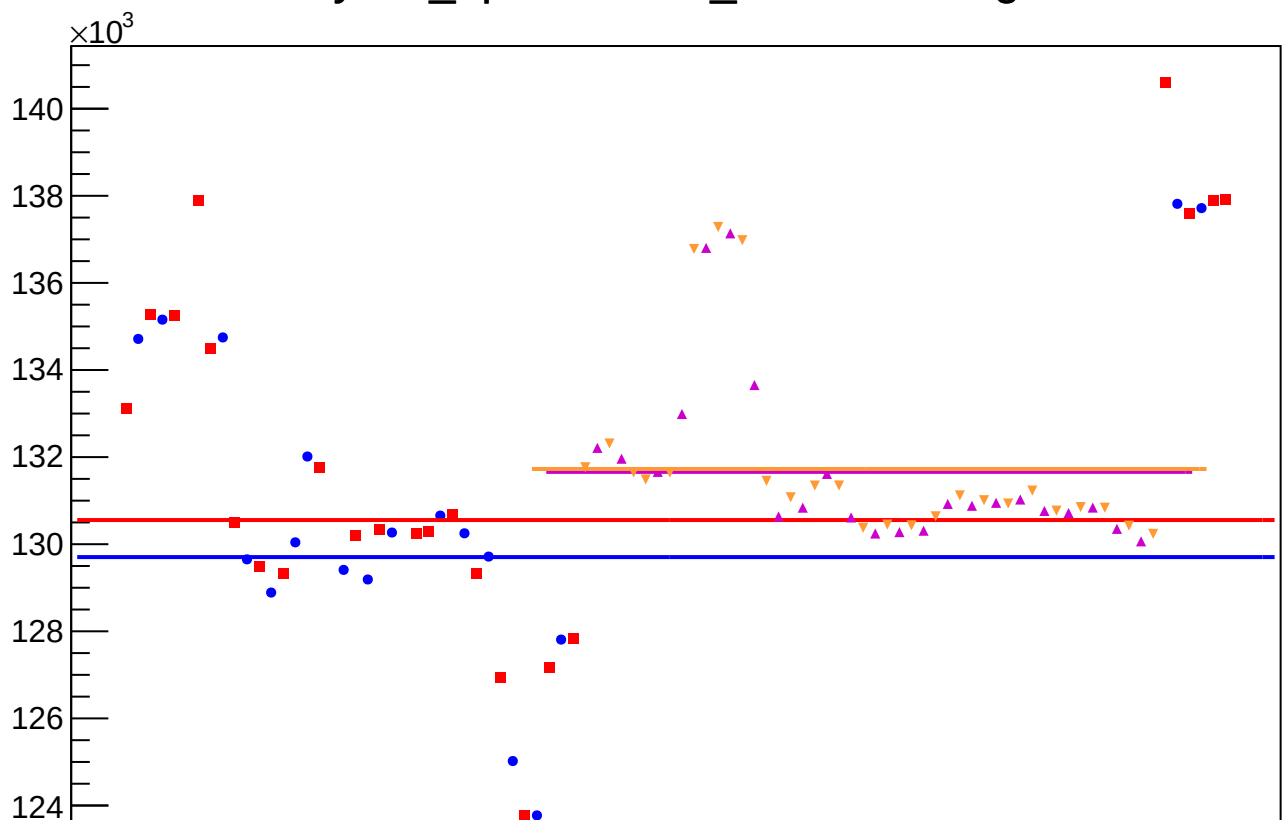
Right Out: 177.025+/-0.044 χ^2/NDF: 2134604.7/22

Left In: 203.546+/-0.034 χ^2/NDF:666043.6/22

+ sign 195.263+/-0.027 χ^2/NDF: 2358210.8/42

All: 194.450+/-0.019 χ^2/NDF: 5384320.7/88

- sign 193.654+/-0.027 χ^2/NDF: 3024365.4/45



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: 130554.798+/-0.058 χ^2/NDF: 3708603941.5/22

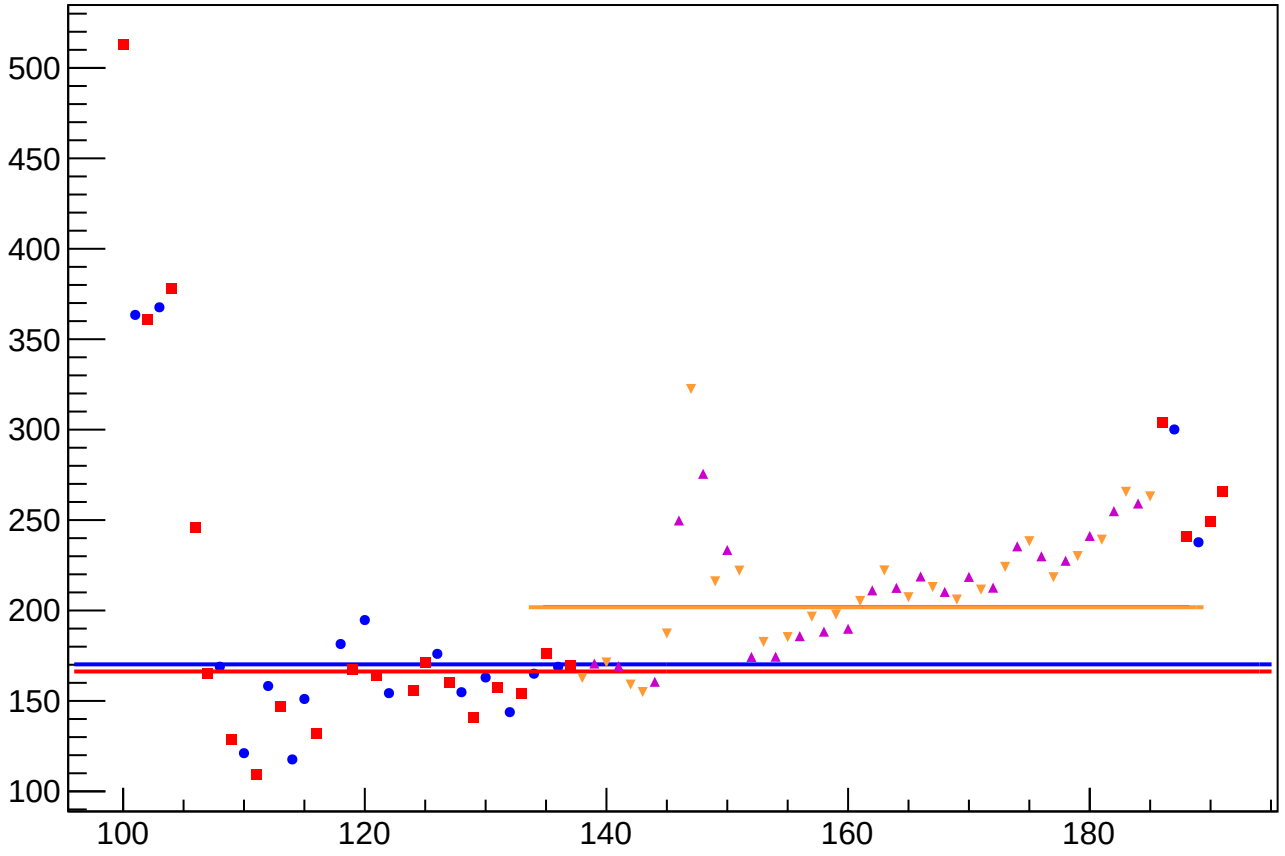
Left In: 131660.490+/-0.048 χ^2/NDF:1164380319.7/22

+ sign 131030.112+/-0.038 χ^2/NDF: 4488012499.2

All: 131123.090+/-0.027 χ^2/NDF: 95862852

- sign 131212.308+/-0.037 χ^2/NDF: 5086495246.8/

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

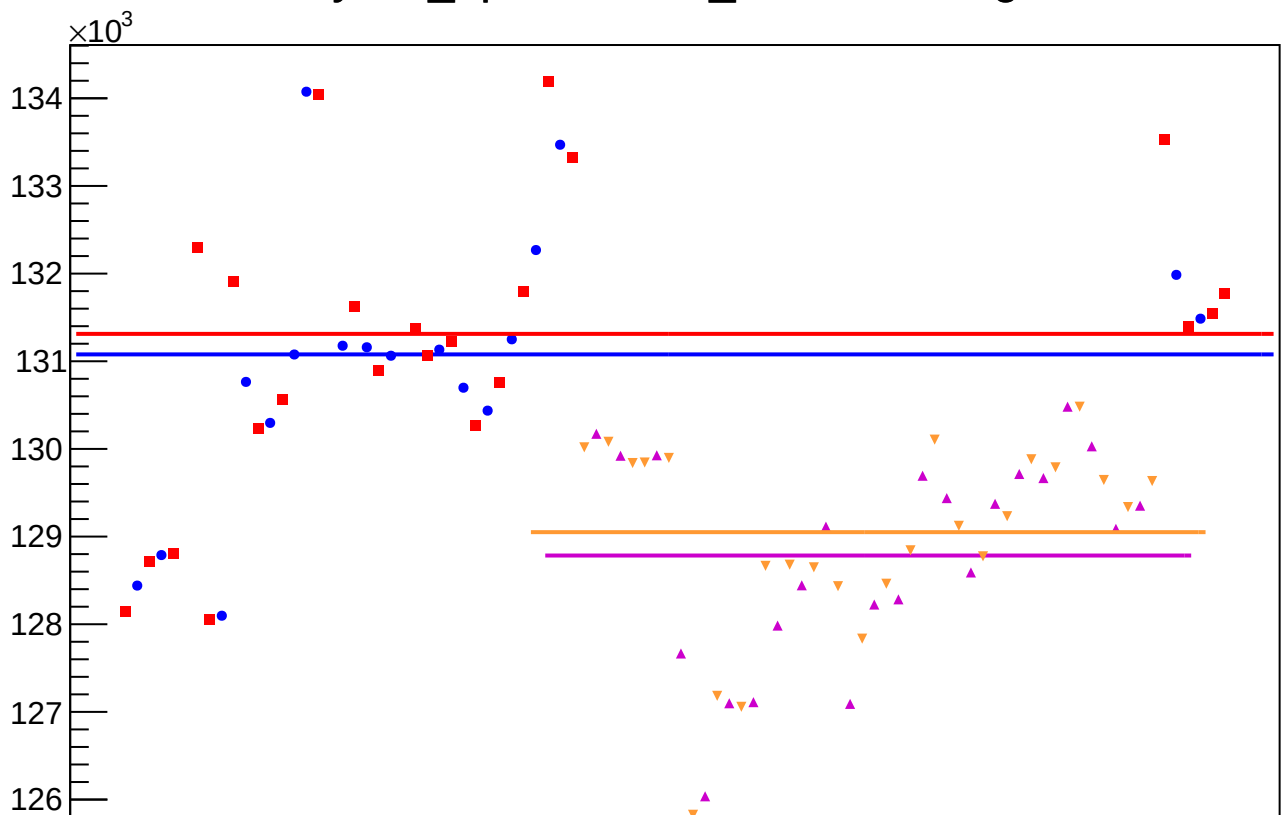
Right Out: 166.280+/-0.041 χ^2/NDF: 1719106.8/22

Left In: 201.947+/-0.034 χ^2/NDF:802700.2/22

+ sign 190.917+/-0.027 χ^2/NDF: 2316649.6/42

All: 189.168+/-0.019 χ^2/NDF: 5291127.5/88

- sign 187.490+/-0.026 χ^2/NDF: 2966144.4/45



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: 131312.334+/-0.054 χ^2/NDF: 629838095.6/22

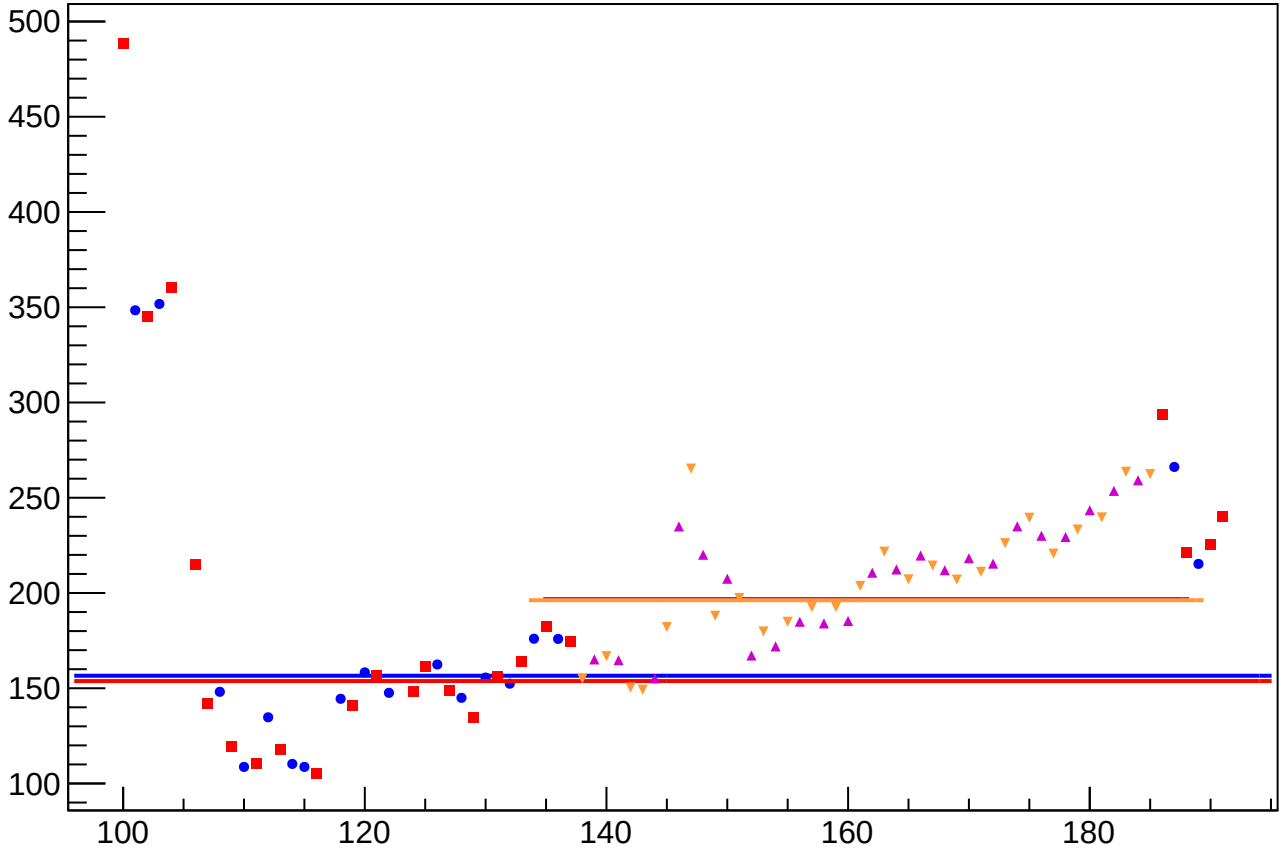
Left In: 128783.852+/-0.047 χ^2/NDF:655675405.6/22

+ sign 129804.419+/-0.036 χ^2/NDF: 1797638845.5

All: 129841.546+/-0.025 χ^2/NDF: 43422126

- sign 129877.195+/-0.035 χ^2/NDF: 2542495429.4/

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

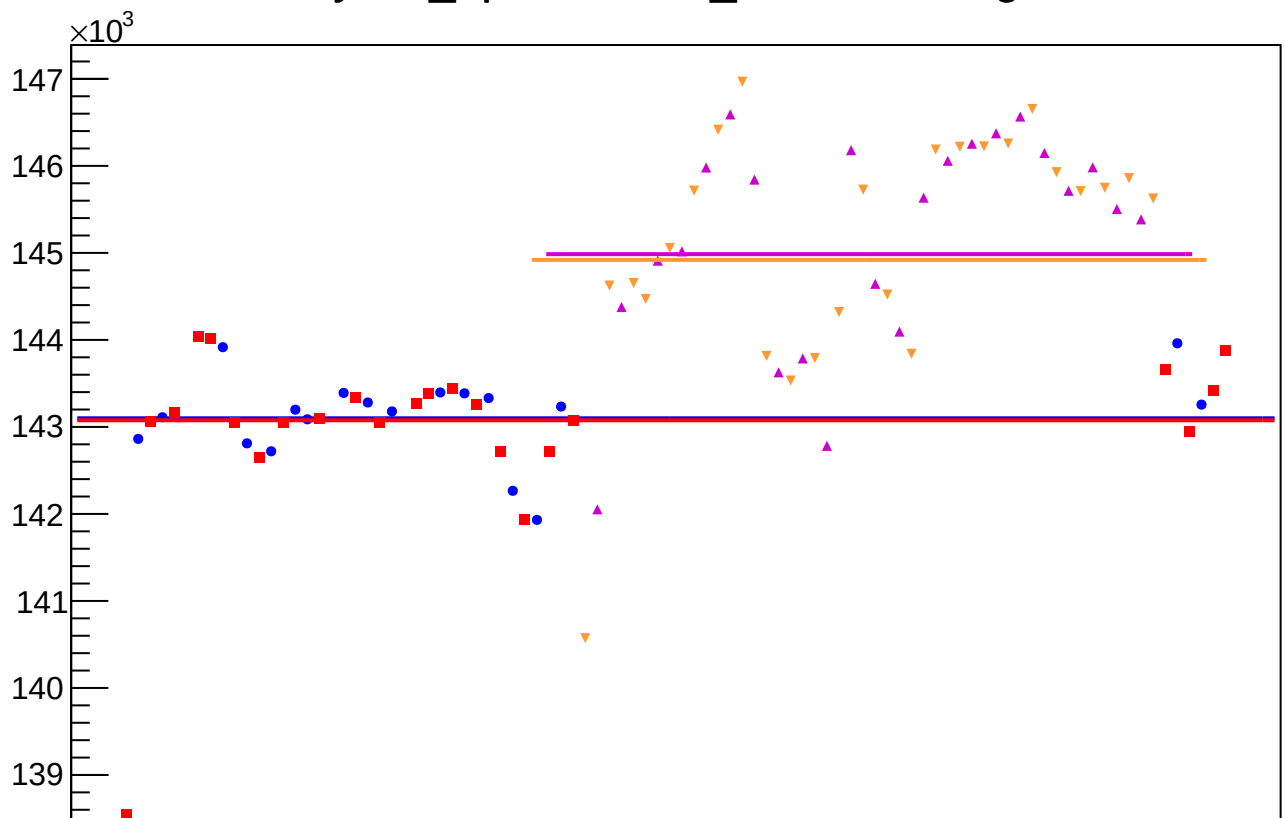
Right Out: 153.770+/-0.038 χ^2/NDF: 1809444.2/22

Left In: 196.840+/-0.033 χ^2/NDF:773052.6/22

+ sign 181.467+/-0.025 χ^2/NDF: 2695418.1/42

All: 179.808+/-0.018 χ^2/NDF: 6015654.7/88

- sign 178.216+/-0.025 χ^2/NDF: 3311943.5/45



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: 143076.331+/-0.058 χ^2/NDF: 55727077.6/22

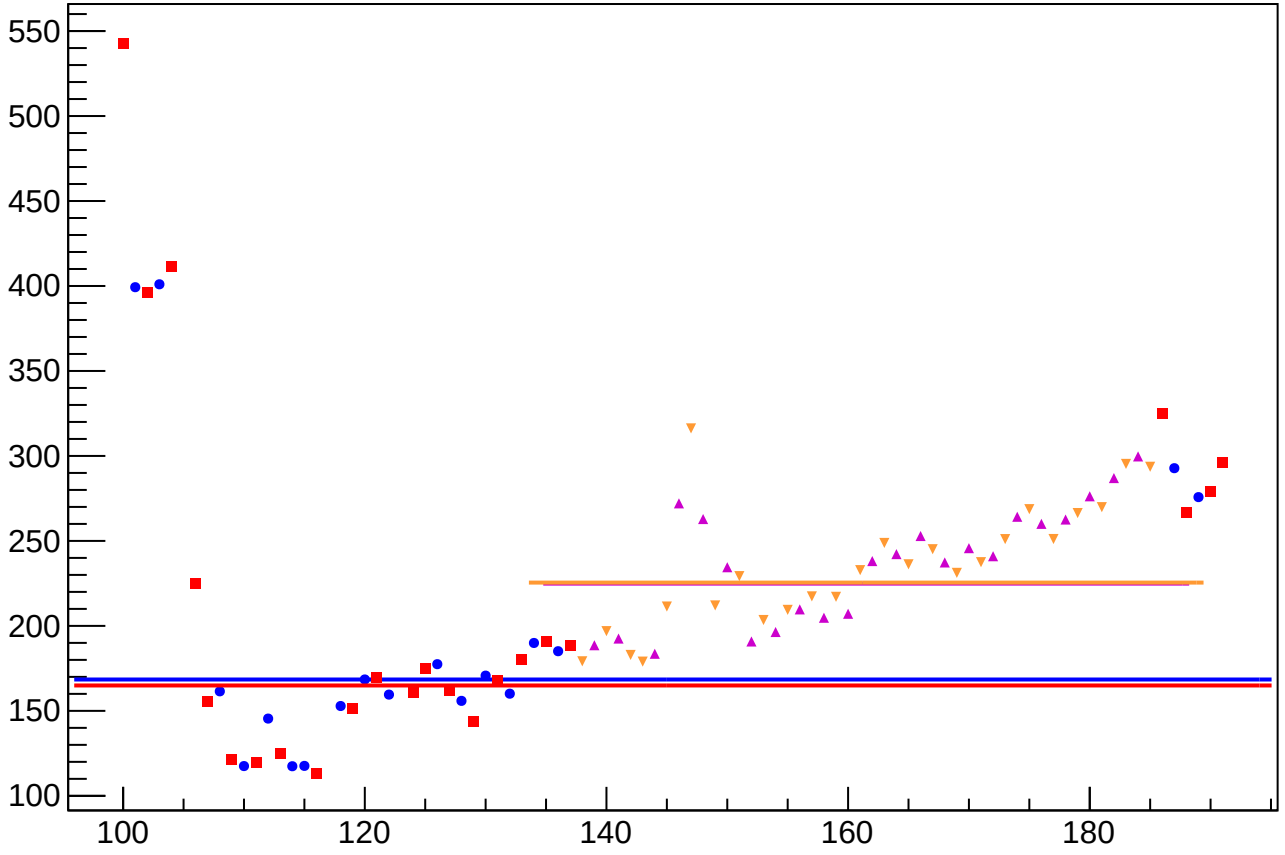
Left In: 144985.586+/-0.054 χ^2/NDF:618782558.7/22

+ sign 144189.851+/-0.040 χ^2/NDF: 1370919665.1

All: 144148.198+/-0.028 χ^2/NDF: 26308234

- sign 144108.654+/-0.039 χ^2/NDF: 1257834833.2/

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

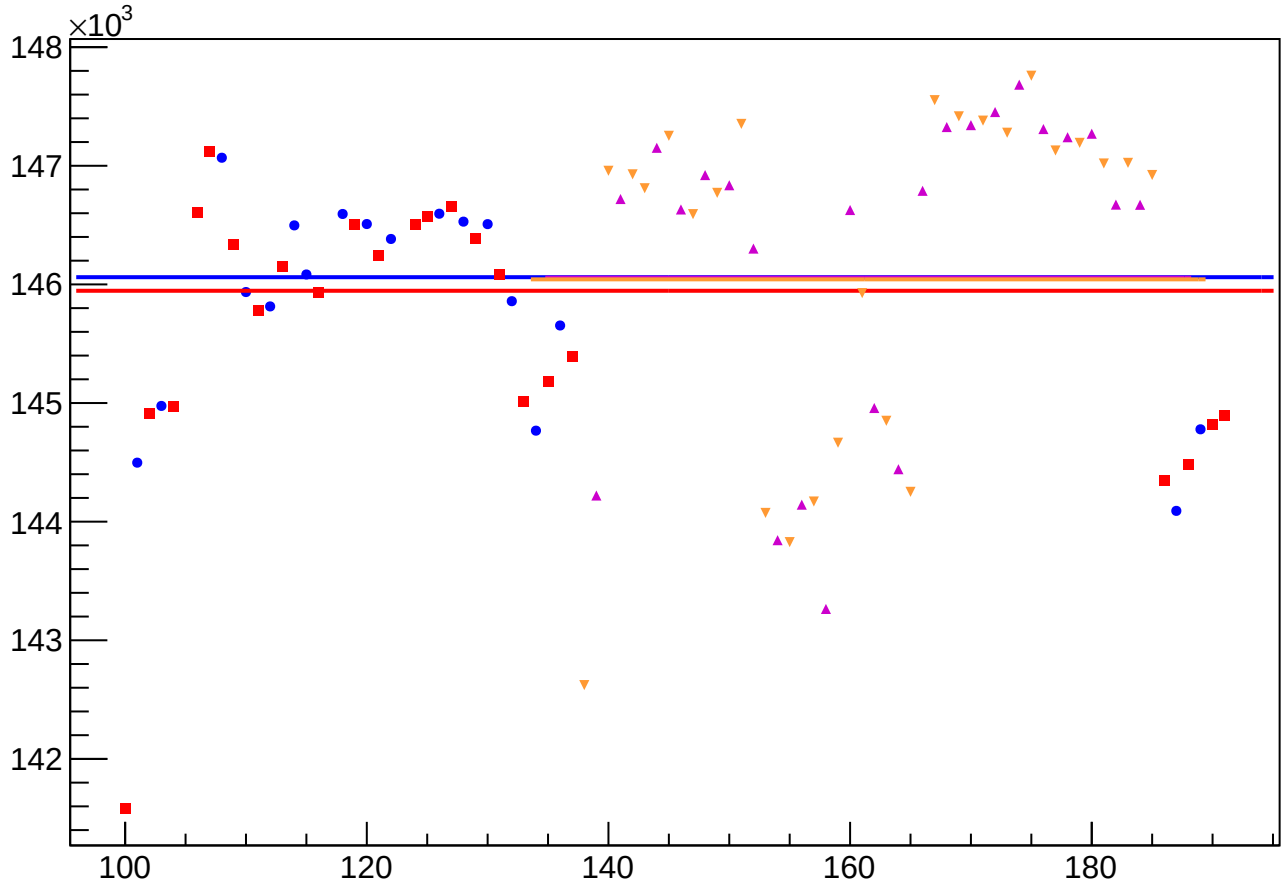
Right Out: 164.943+/-0.041 χ^2/NDF: 2106818.4/22

Left In: 224.869+/-0.038 χ^2/NDF:723816.1/22

+ sign 202.625+/-0.029 χ^2/NDF: 3095685.0/42

All: 199.916+/-0.020 χ^2/NDF: 7093132.9/88

- sign 197.344+/-0.028 χ^2/NDF: 3979946.7/45



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: 145946.322+/-0.059 χ^2/NDF: 140352865.9/22

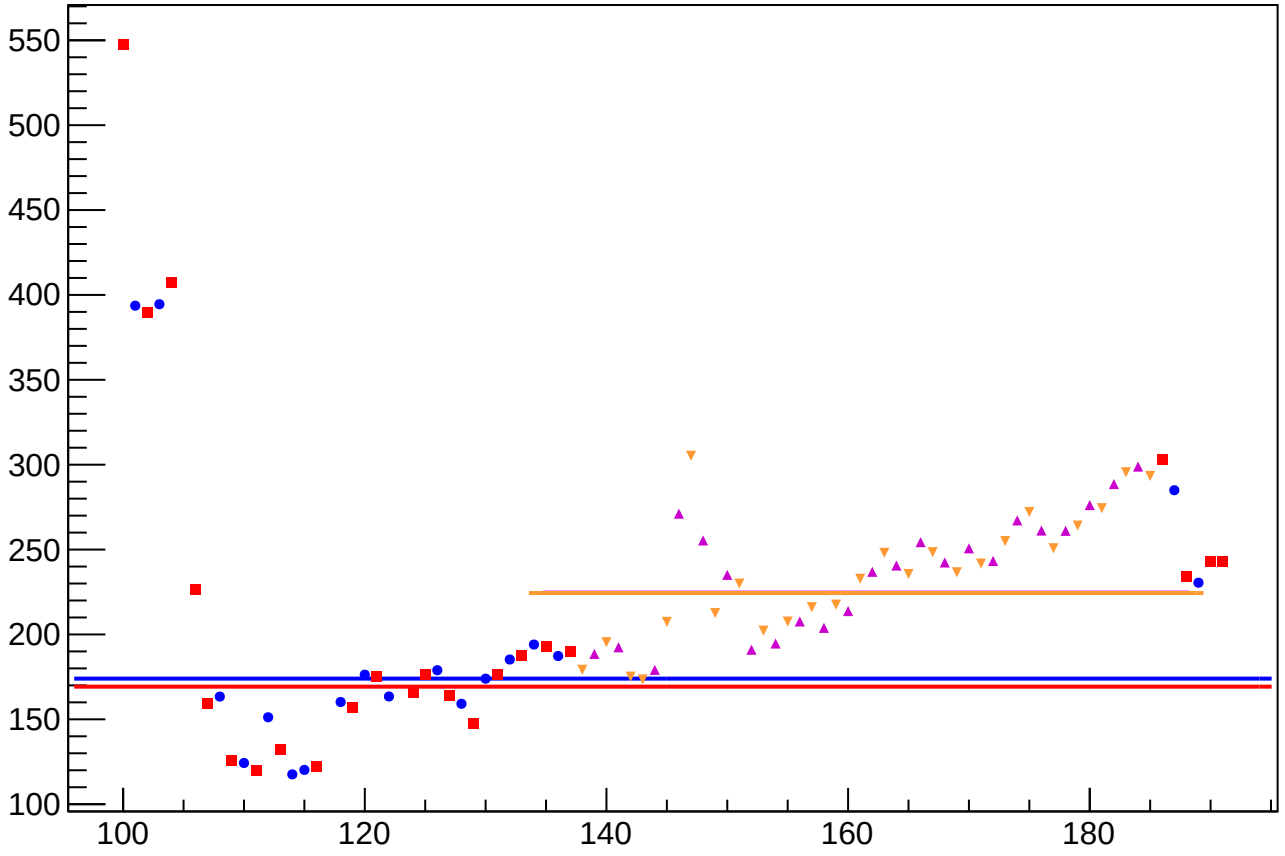
Left In: 146056.687+/-0.054 χ^2/NDF:698743124.4/22

+ sign 146049.666+/-0.041 χ^2/NDF: 981040414.9/4

All: 146027.634+/-0.028 χ^2/NDF: 18226249

- sign 146006.785+/-0.040 χ^2/NDF: 841015726.5/4

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: 169.250+/-0.042 χ^2/NDF: 1749999.2/22

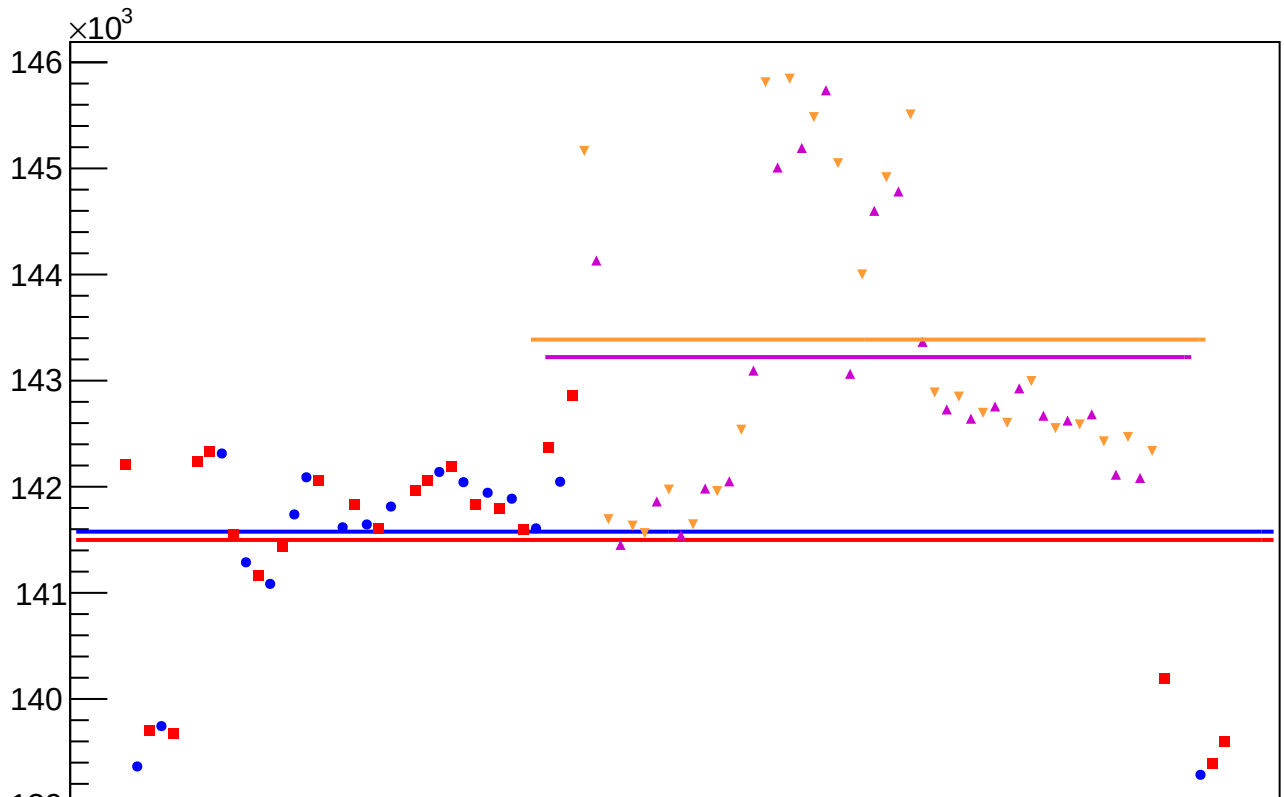
Left In: 224.655+/-0.038 χ^2/NDF:756996.8/22

+ sign 204.943+/-0.029 χ^2/NDF: 2758172.8/42

All: 202.200+/-0.020 χ^2/NDF: 6250413.6/88

- sign 199.603+/-0.028 χ^2/NDF: 3474595.9/45

yield_bpm0l09WS_mean vs Slug



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: 141498.659+/-0.061 χ^2/NDF: 187422657.7/22

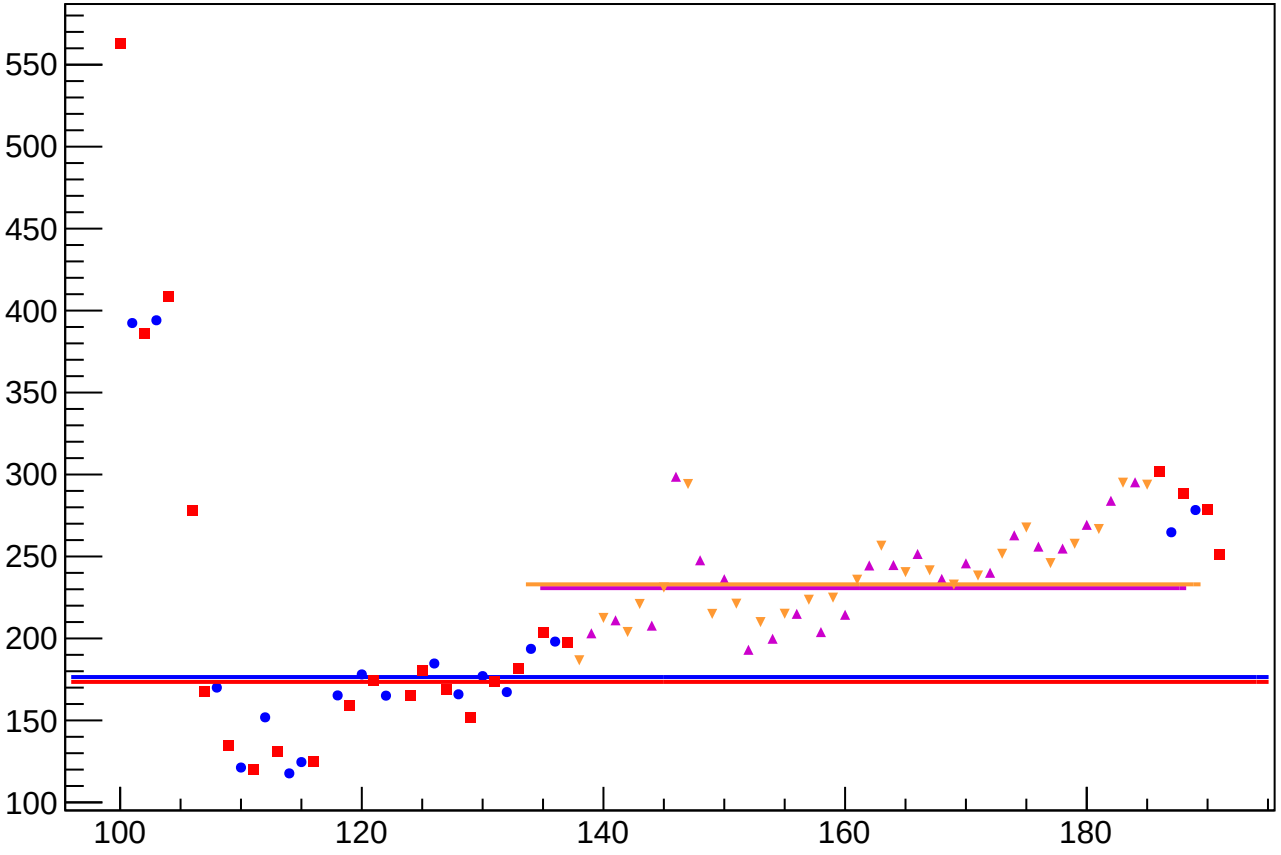
Left In: 143221.802+/-0.055 χ^2/NDF:540234973.1/22

+ sign 142676.815+/-0.042 χ^2/NDF: 1350682122.2

All: 142560.561+/-0.029 χ^2/NDF: 25355352

- sign 142450.347+/-0.041 χ^2/NDF: 1169838793.5/4

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

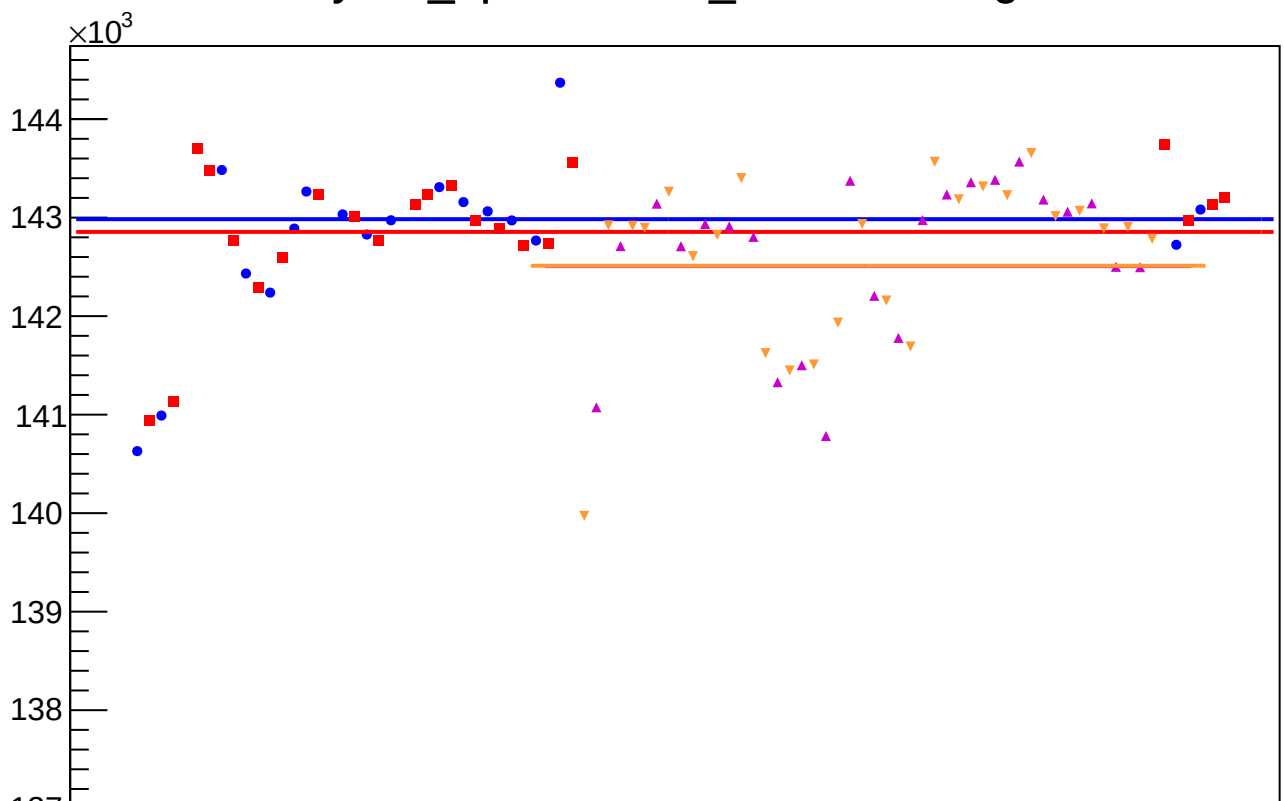
Right Out: 173.493+/-0.043 χ^2/NDF: 1946214.8/22

Left In: 230.693+/-0.039 χ^2/NDF:512017.9/22

+ sign 210.822+/-0.030 χ^2/NDF: 2575849.3/42

All: 207.877+/-0.021 χ^2/NDF: 6027854.6/88

- sign 205.085+/-0.029 χ^2/NDF: 3432707.9/45



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: 142855.118+/-0.061 χ^2/NDF: 68046308.5/22

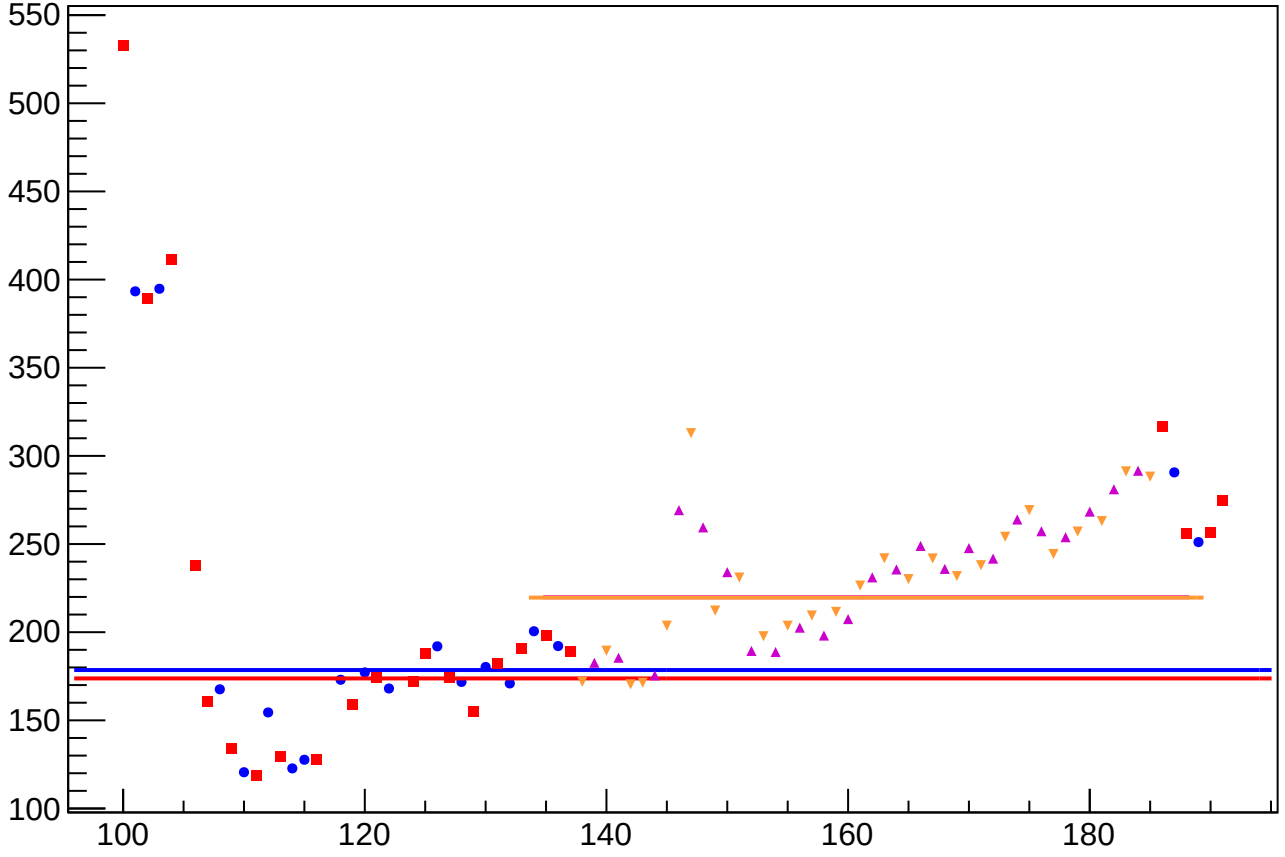
Left In: 142507.563+/-0.052 χ^2/NDF:269272097.4/22

+ sign 142682.997+/-0.041 χ^2/NDF: 477330496.6/4

All: 142669.055+/-0.028 χ^2/NDF: 83363653

- sign 142655.748+/-0.040 χ^2/NDF: 356074961.3/4

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

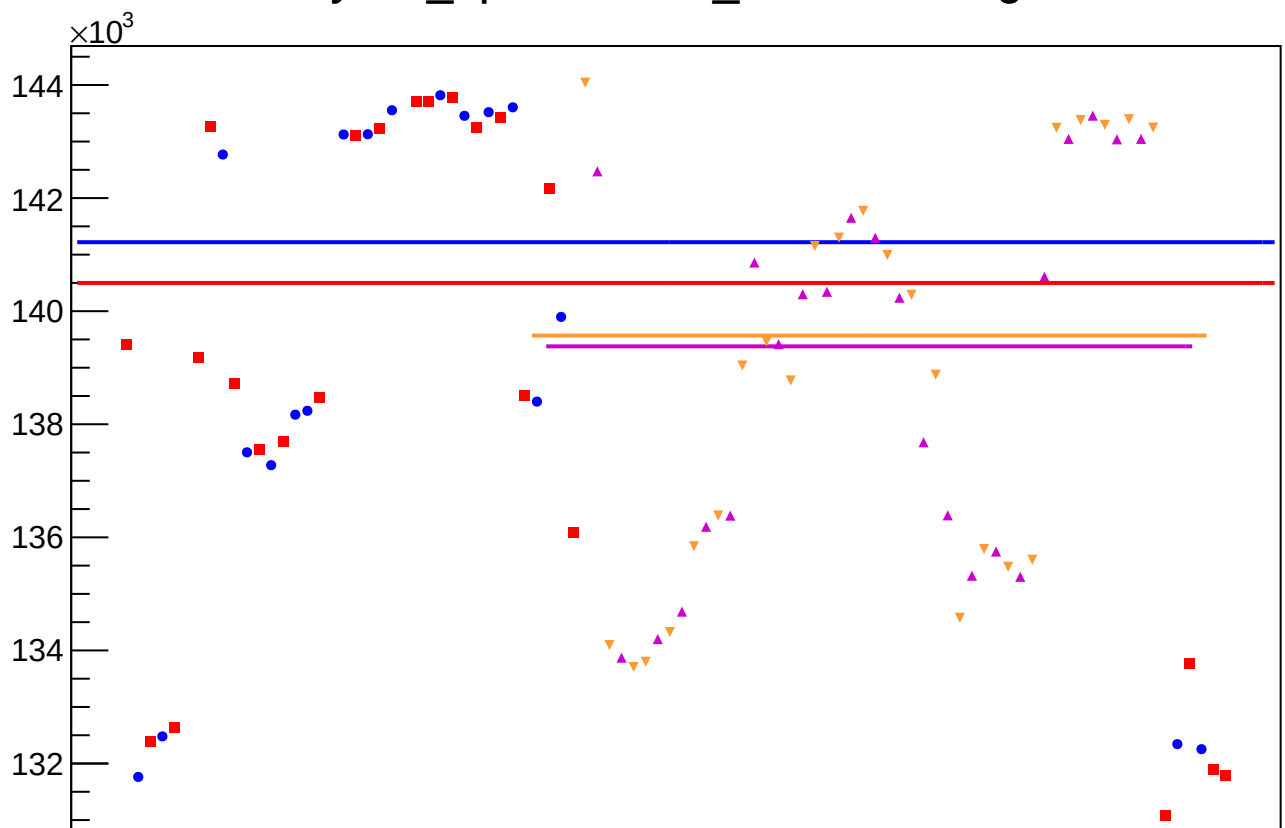
Right Out: 173.768+/-0.043 χ^2/NDF: 1832453.1/22

Left In: 219.813+/-0.037 χ^2/NDF:805501.8/22

+ sign 204.706+/-0.029 χ^2/NDF: 2573818.9/42

All: 202.391+/-0.020 χ^2/NDF: 5882876.9/88

- sign 200.181+/-0.028 χ^2/NDF: 3296366.3/45



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: 140499.128+/-0.096 χ^2/NDF: 1681321637.0/22

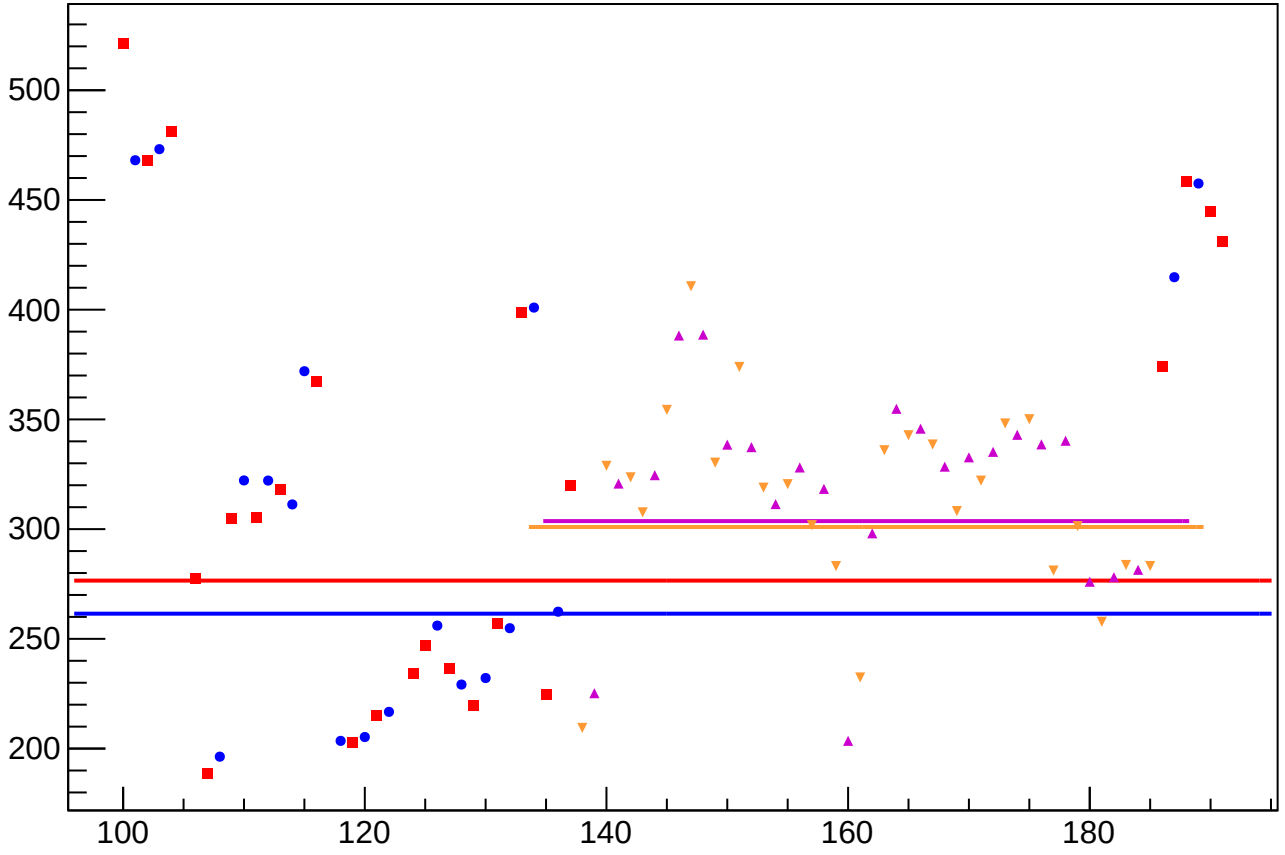
Left In: 139377.582+/-0.073 χ^2/NDF:1921434868.2/22

+ sign 140118.965+/-0.057 χ^2/NDF: 4010793143.1

All: 139955.945+/-0.041 χ^2/NDF: 77164782

- sign 139787.602+/-0.058 χ^2/NDF: 3689163584.5/

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

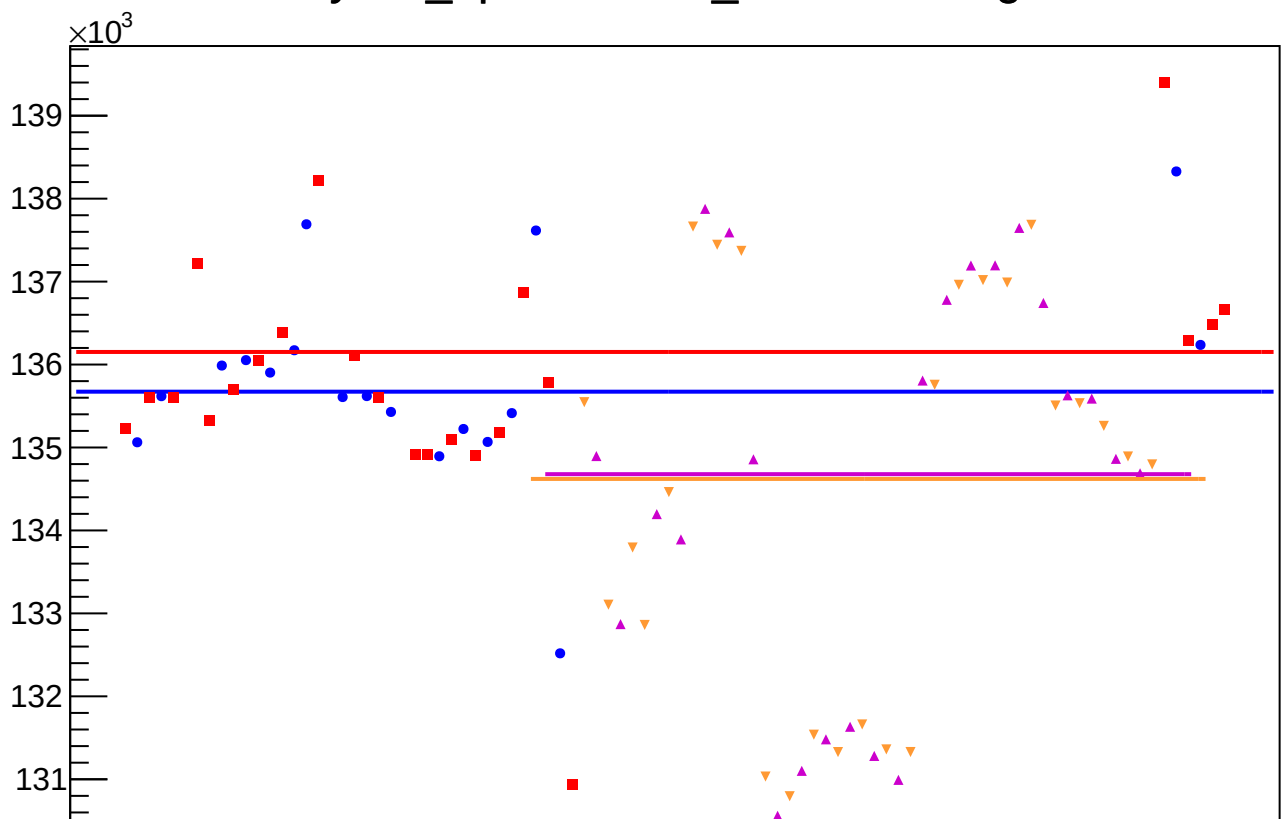
Right Out: 276.542+/-0.068 χ^2/NDF: 1554720.3/22

Left In: 303.658+/-0.052 χ^2/NDF:976252.9/22

+ sign 287.805+/-0.040 χ^2/NDF: 2286458.2/42

All: 290.727+/-0.029 χ^2/NDF: 4929073.4/88

- sign 293.745+/-0.041 χ^2/NDF: 2631996.9/45



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: 136151.779+/-0.095 χ^2/NDF: 139473434.4/22

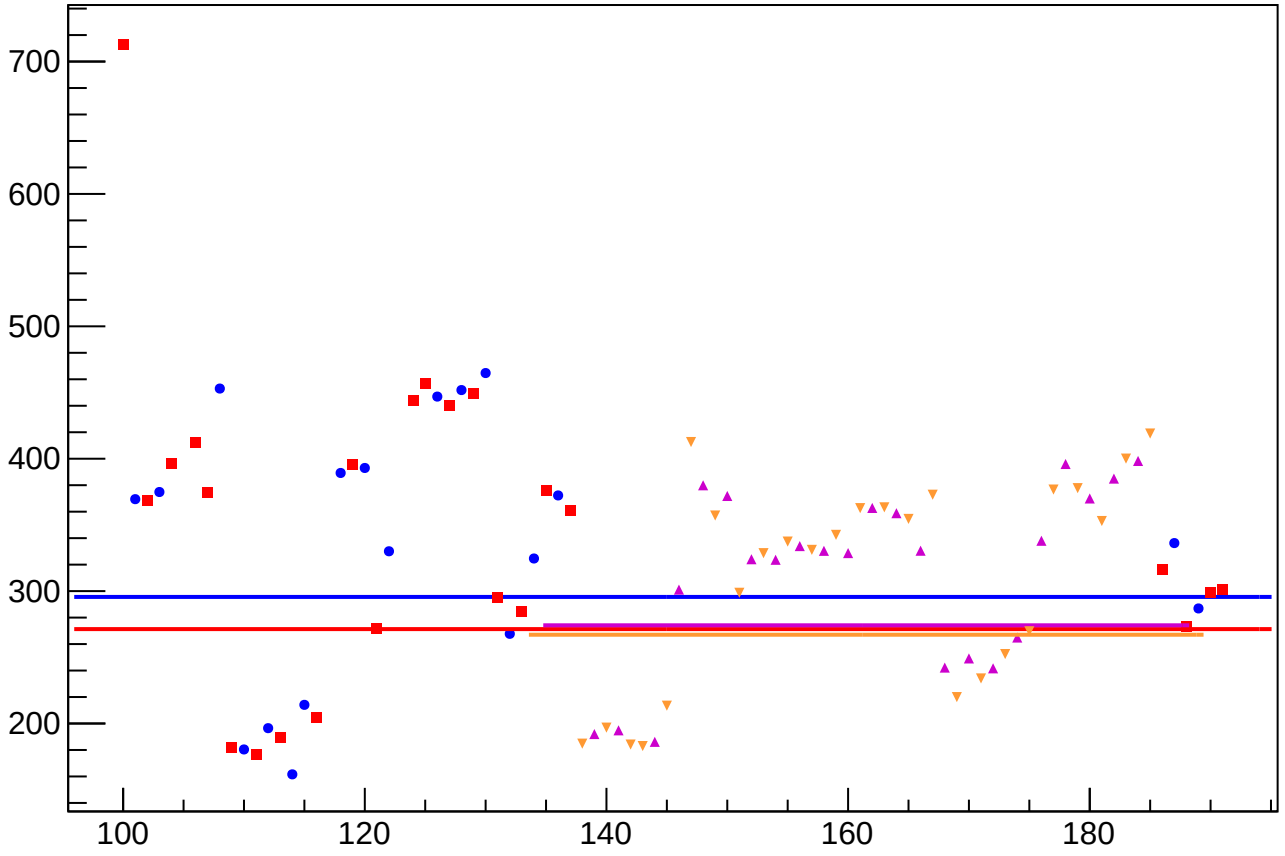
Left In: 134678.497+/-0.067 χ^2/NDF:1096295429.9/22

+ sign 134877.503+/-0.055 χ^2/NDF: 1376210555.5

All: 135025.432+/-0.039 χ^2/NDF: 27875654

- sign 135169.176+/-0.055 χ^2/NDF: 1397307831.9/

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

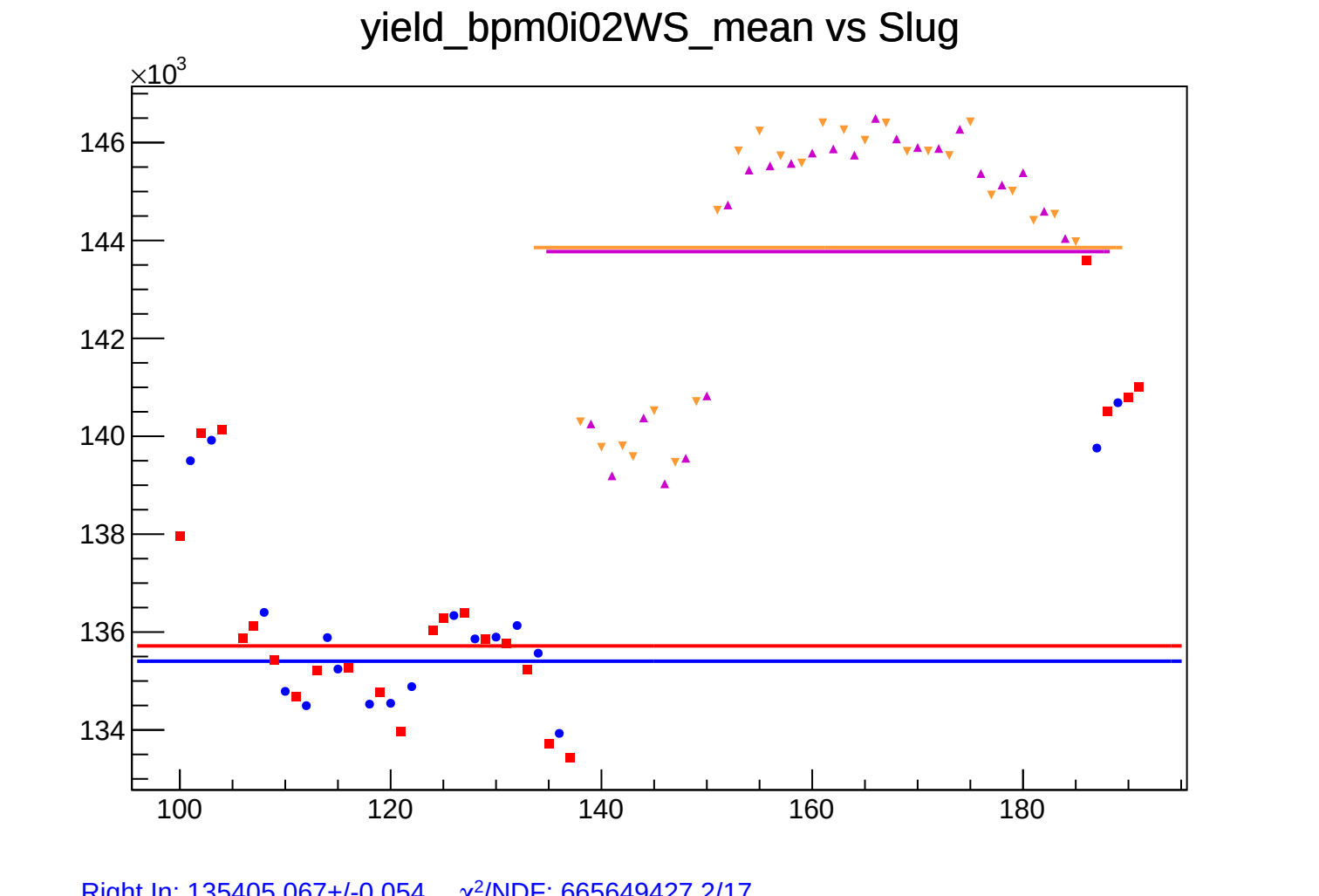
Right Out: 271.305+/-0.067 χ^2/NDF: 1708746.1/22

Left In: 274.177+/-0.047 χ^2/NDF:2236755.2/22

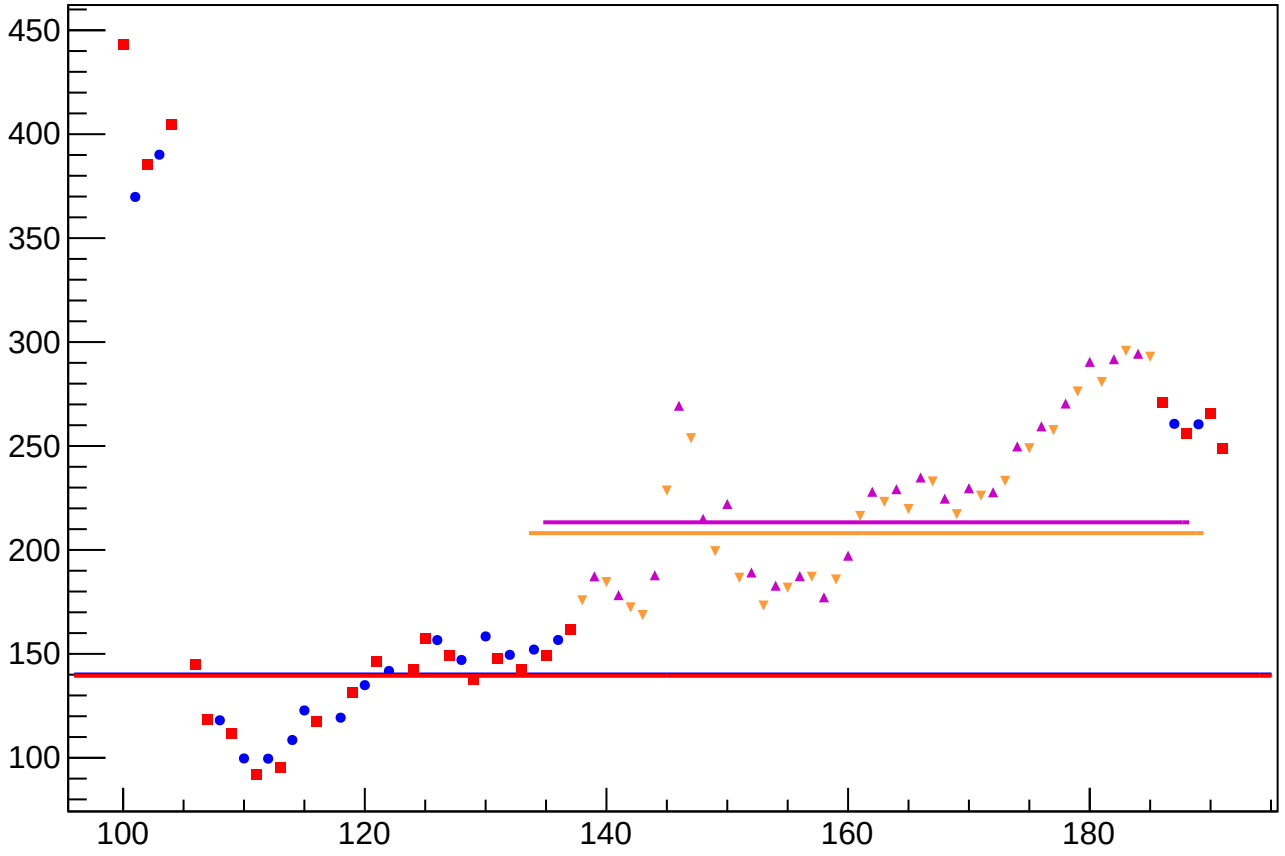
+ sign 274.016+/-0.039 χ^2/NDF: 4389971.0/42

All: 273.613+/-0.028 χ^2/NDF: 8336909.5/88

- sign 273.220+/-0.039 χ^2/NDF: 3946729.3/45


yield_bpm0i02WS_mean vs Slug
×10^3
146
144
142
140
138
136
134
100
120
140
160
180
Right In: 135405.067+/-0.054 χ²/NDF: 665649427.2/17
Left Out: 143855.894+/-0.048 χ²/NDF:3130204188.4/24
Right Out: 135716.572+/-0.050 χ²/NDF: 1361659055.9/22
Left In: 143773.112+/-0.051 χ²/NDF:2803362782.2/22
+ sign 140087.567+/-0.036 χ²/NDF: 17427158499.
All: 139871.801+/-0.025 χ²/NDF: 34442707
- sign 139660.241+/-0.036 χ²/NDF: 16944319955.7

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

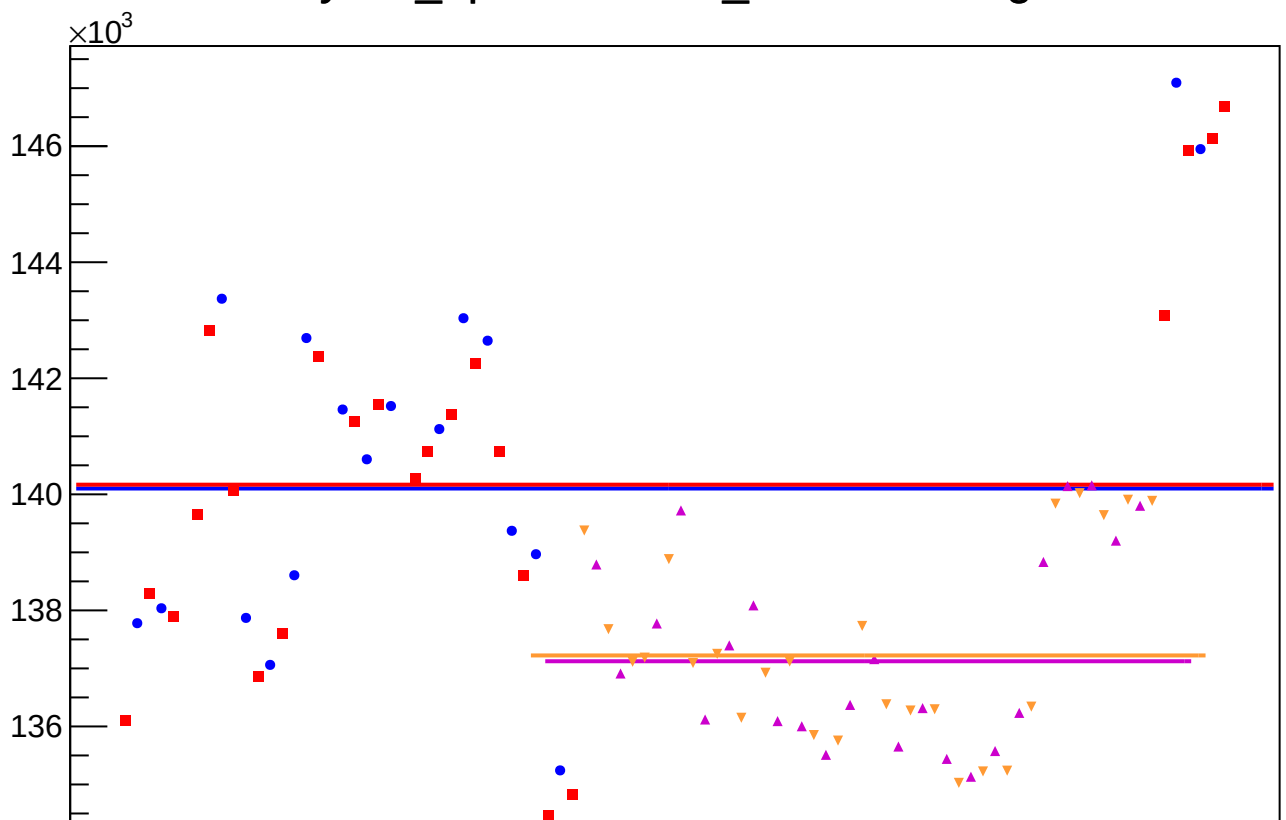
Right Out: 139.463+/-0.035 χ^2/NDF: 2417529.4/22

Left In: 213.288+/-0.036 χ^2/NDF:865525.4/22

\+ sign 177.770+/-0.025 χ^2/NDF: 4458201.2/42

All: 176.674+/-0.018 χ^2/NDF: 9890969.3/88

\- sign 175.600+/-0.025 χ^2/NDF: 5429095.8/45



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: 140166.422+/-0.057 χ^2/NDF: 2501278527.5/22

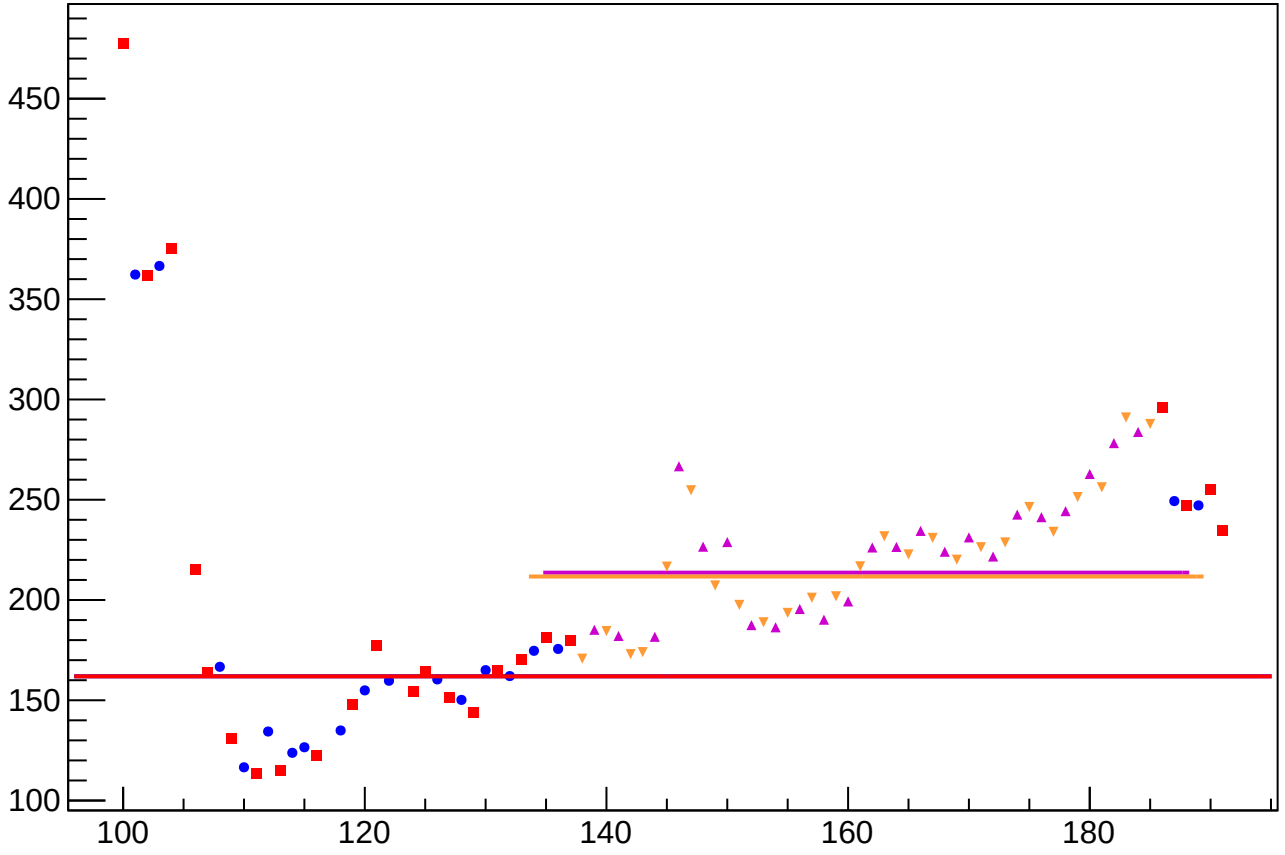
Left In: 137123.557+/-0.051 χ^2/NDF:860635149.0/22

+ sign 138348.234+/-0.038 χ^2/NDF: 4361729505.1

All: 138414.299+/-0.027 χ^2/NDF: 93211645

- sign 138479.095+/-0.038 χ^2/NDF: 4953534496.2/

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

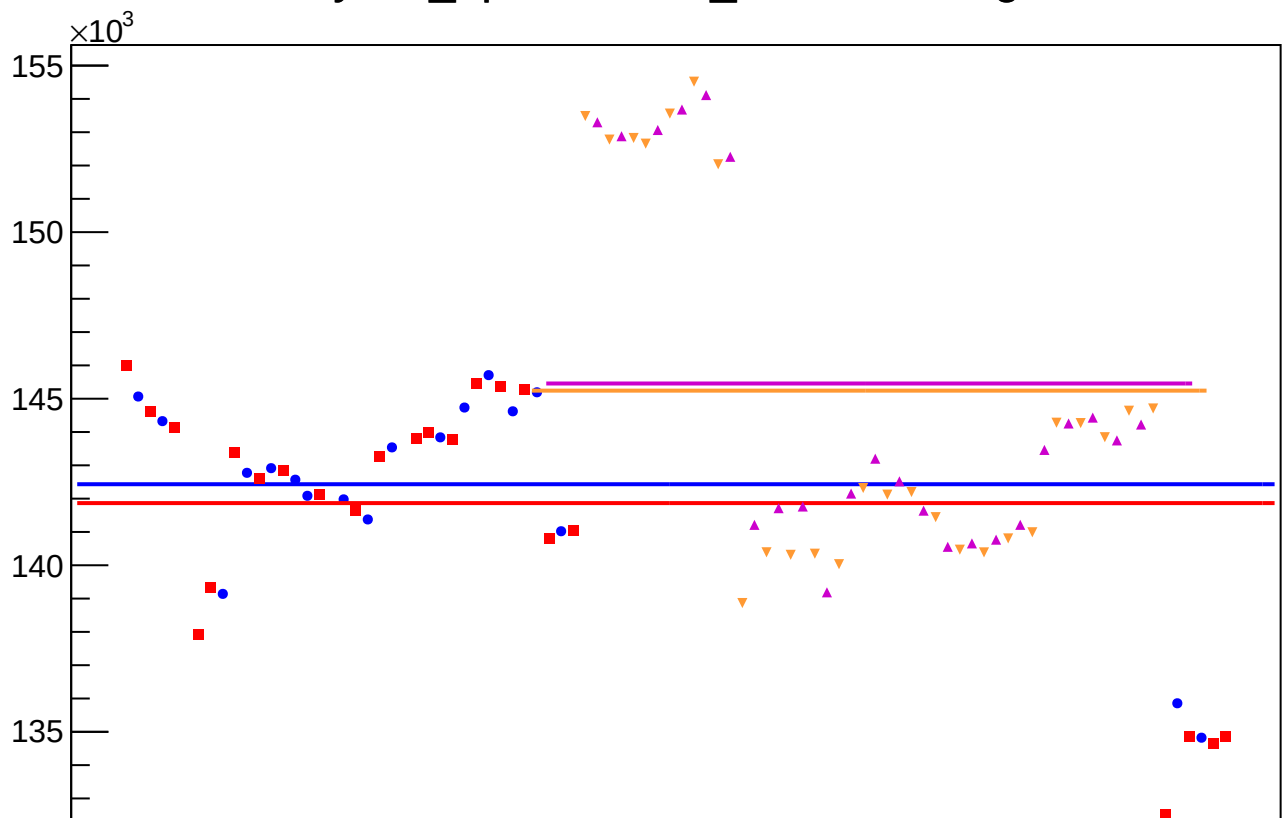
Right Out: 161.917+/-0.040 χ^2/NDF: 1810409.0/22

Left In: 213.641+/-0.036 χ^2/NDF:621332.1/22

+ sign 192.265+/-0.027 χ^2/NDF: 2675736.2/42

All: 191.424+/-0.019 χ^2/NDF: 6029168.6/88

- sign 190.599+/-0.027 χ^2/NDF: 3351519.2/45



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: 141866.319+/-0.058 χ^2/NDF: 3214134748.4/22

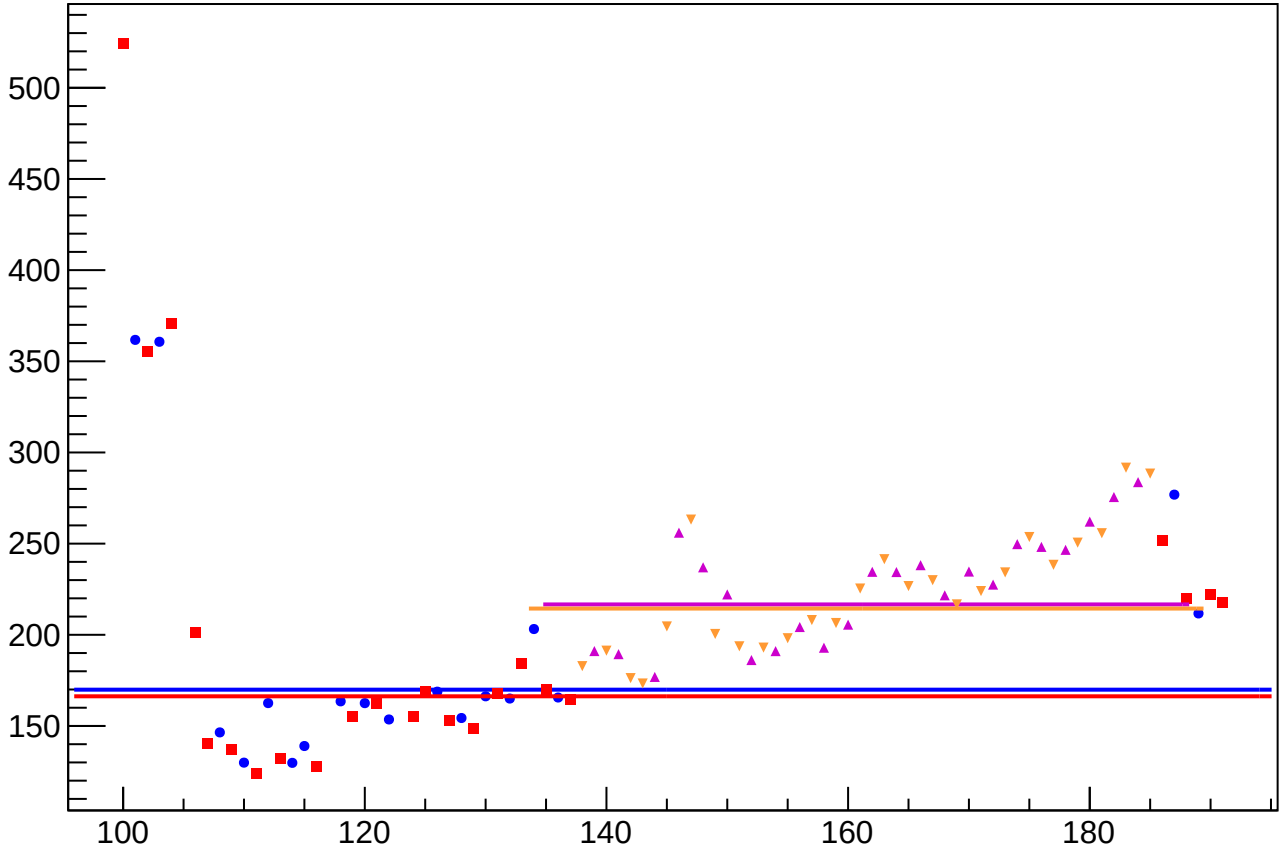
Left In: 145456.704+/-0.052 χ^2/NDF:11073020116.4/22

+ sign 144182.494+/-0.039 χ^2/NDF: 15842620426.

All: 144016.734+/-0.027 χ^2/NDF: 32323469

- sign 143857.259+/-0.038 χ^2/NDF: 16445690929.

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

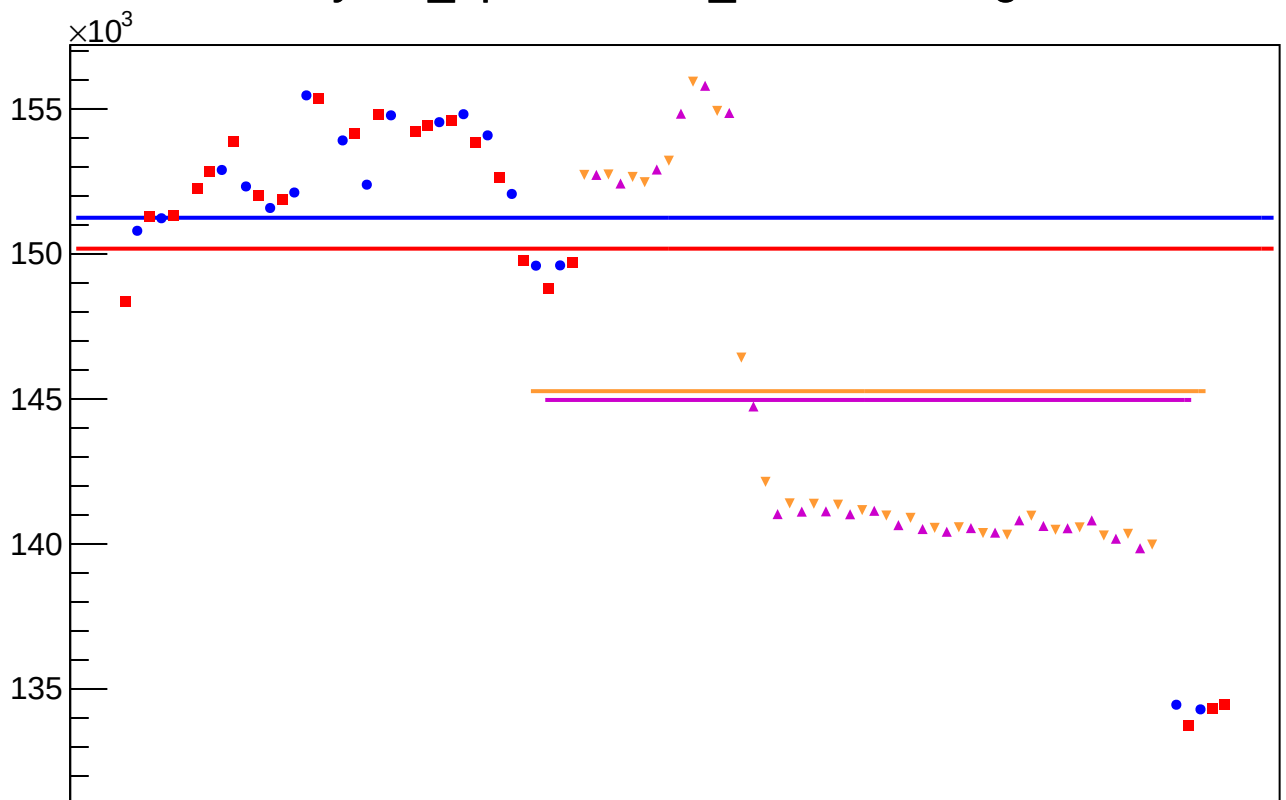
Right Out: 166.270+/-0.041 χ^2/NDF: 1334589.9/22

Left In: 216.654+/-0.036 χ^2/NDF:587166.8/22

\+ sign 197.610+/-0.028 χ^2/NDF: 2215030.6/42

All: 195.877+/-0.019 χ^2/NDF: 4994612.3/88

\- sign 194.209+/-0.027 χ^2/NDF: 2771894.3/45



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: 150183.854+/-0.062 χ^2/NDF: 12320144893.7/22

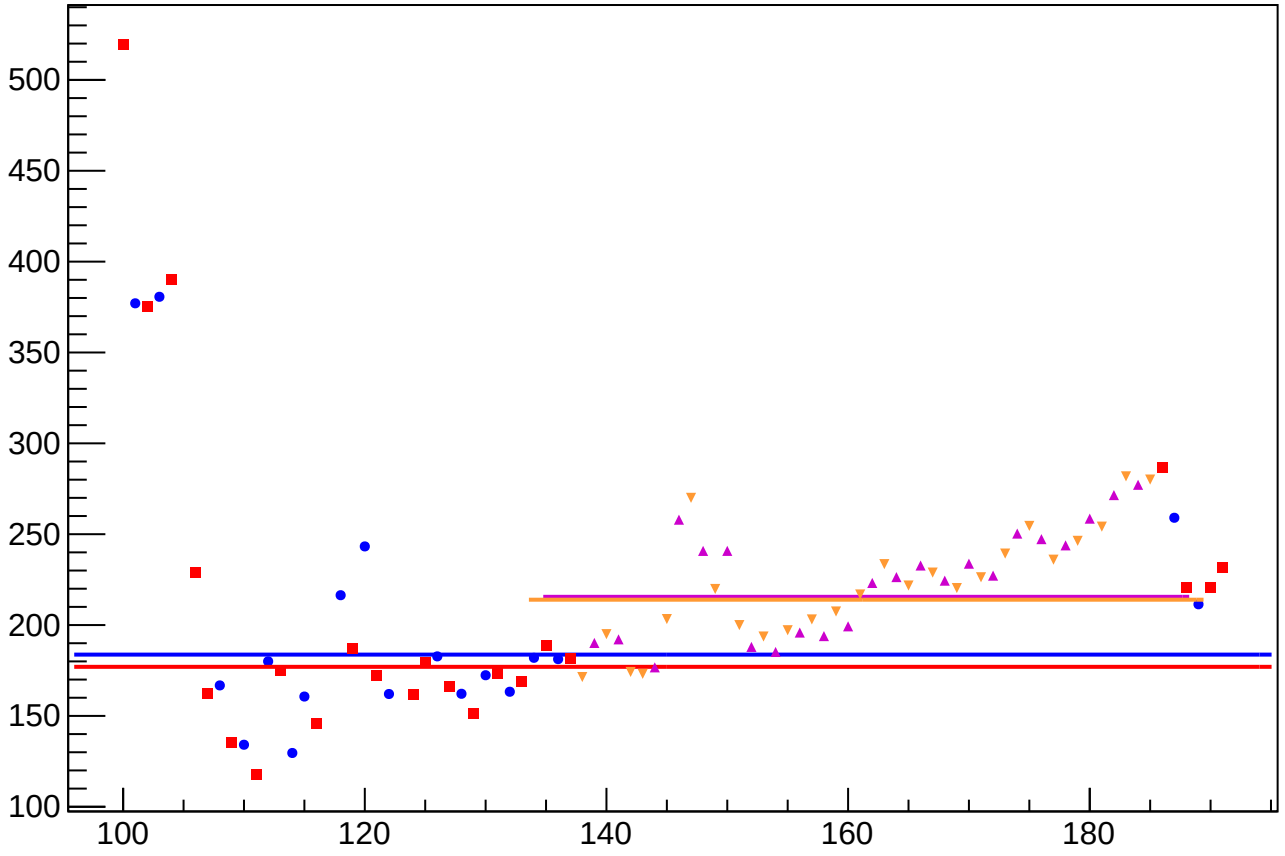
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign 147257.828+/-0.040 χ^2/NDF: 23717579097.

All: 147169.850+/-0.028 χ^2/NDF: 5341897

- sign 147085.728+/-0.039 χ^2/NDF: 29692097235.

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

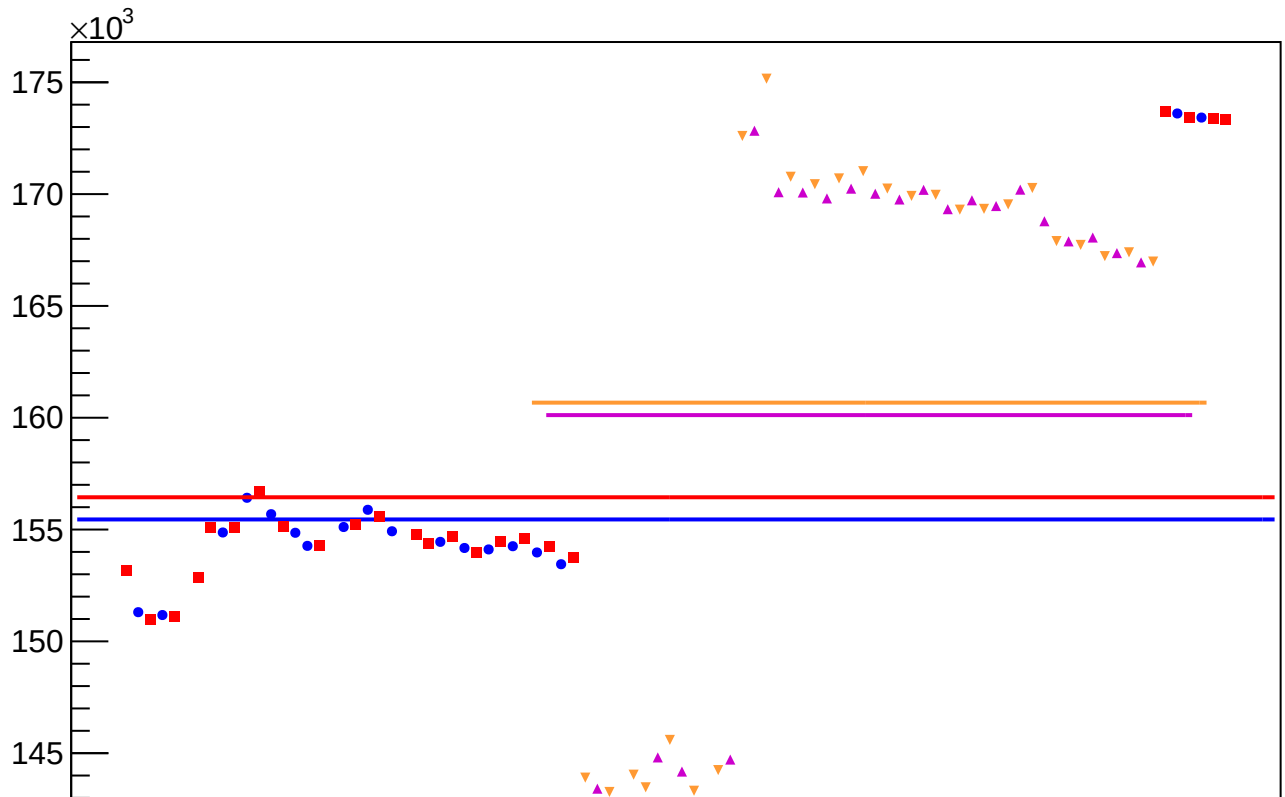
Right Out: 177.010+/-0.044 χ^2/NDF: 1371407.1/22

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 203.907+/-0.029 χ^2/NDF: 1858913.3/42

All: 201.852+/-0.020 χ^2/NDF: 4300990.3/88

- sign 199.888+/-0.028 χ^2/NDF: 2431938.7/45



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: 156443.298+/-0.058 χ^2/NDF: 8548460436.1/22

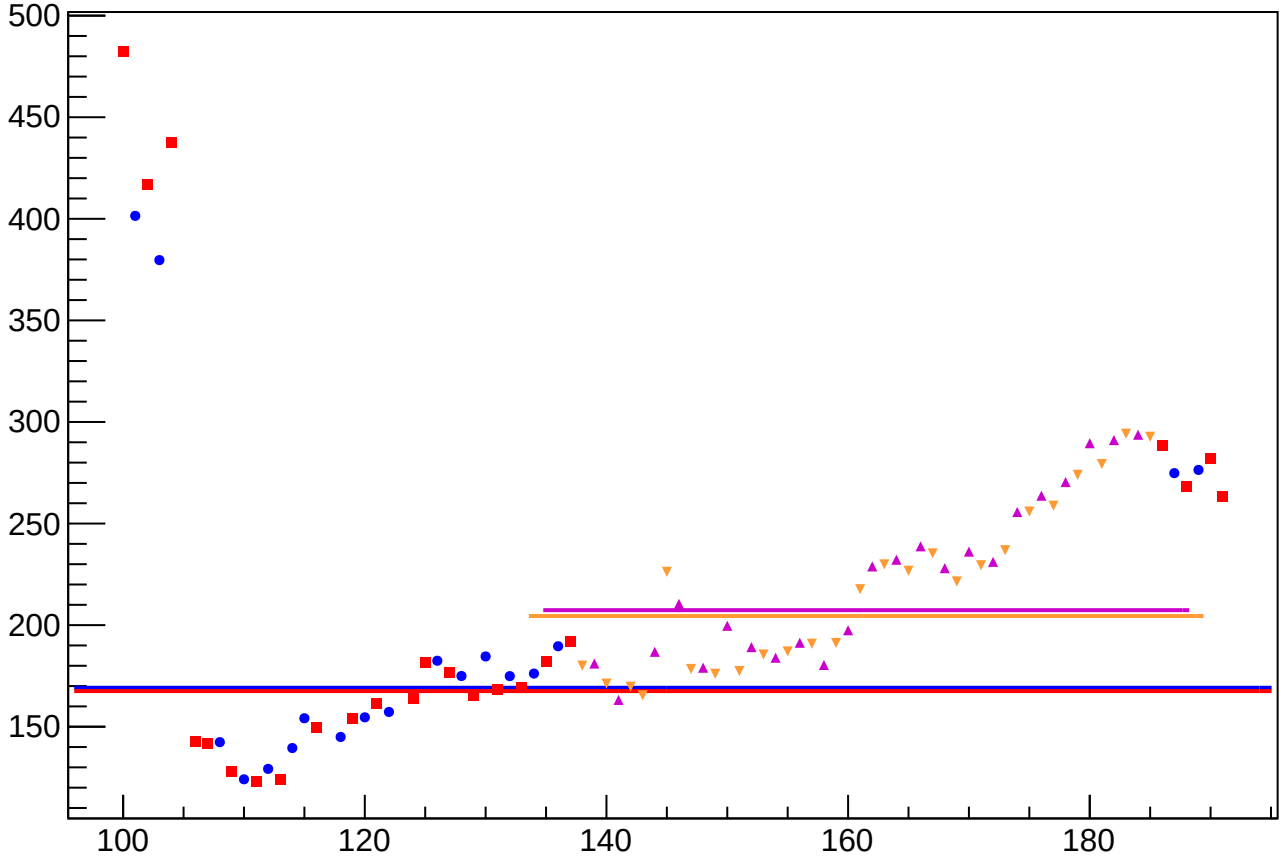
Left In: 160117.460+/-0.049 χ^2/NDF:66553191753.2/22

+ sign 158822.570+/-0.038 χ^2/NDF: 81904661181.

All: 158701.190+/-0.027 χ^2/NDF: 15933803

- sign 158582.234+/-0.038 χ^2/NDF: 77413249200.

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: 167.538+/-0.041 χ^2/NDF: 1898084.0/22

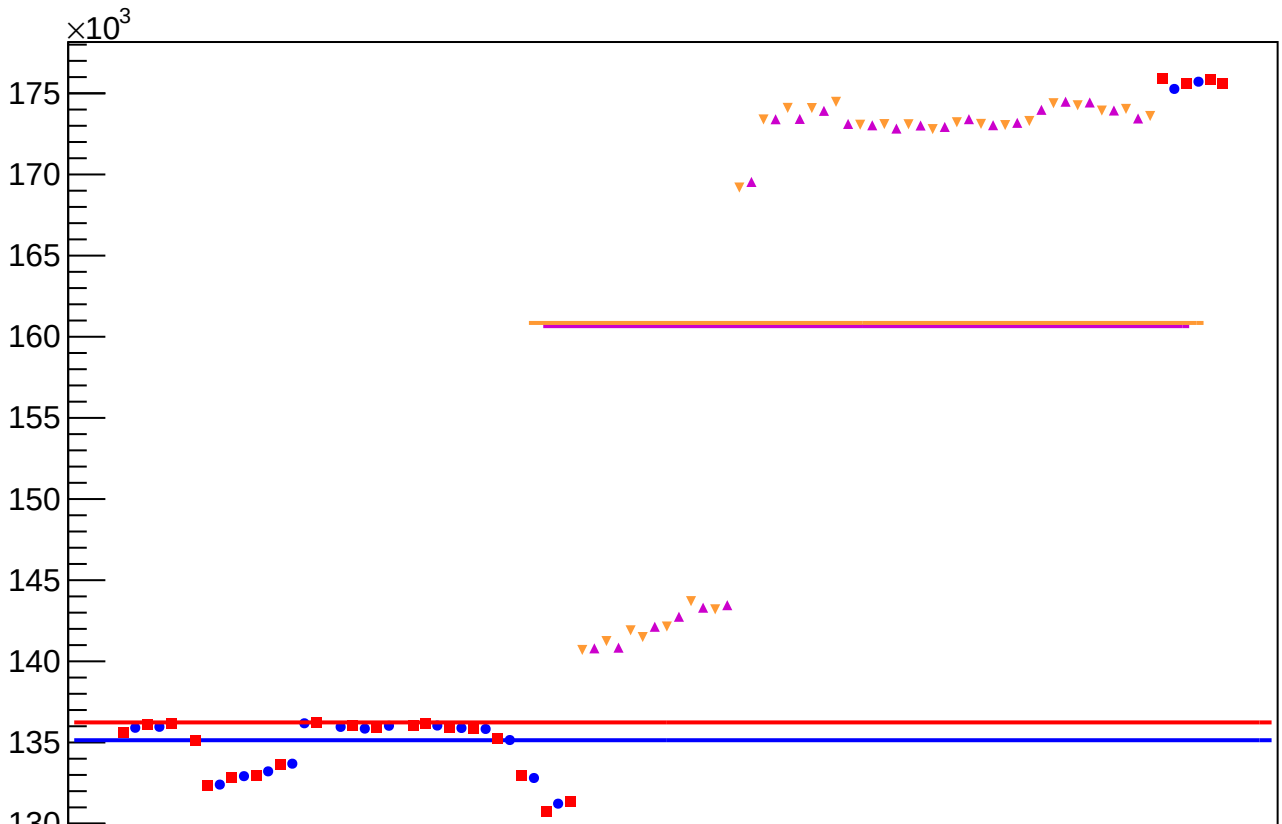
Left In: 207.368+/-0.035 χ^2/NDF:956644.0/22

+ sign 191.954+/-0.027 χ^2/NDF: 2762284.6/42

All: 191.334+/-0.019 χ^2/NDF: 6161388.2/88

- sign 190.725+/-0.027 χ^2/NDF: 3398051.1/45

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: 136236.376+/-0.047 χ^2/NDF: 38005176954.7/22

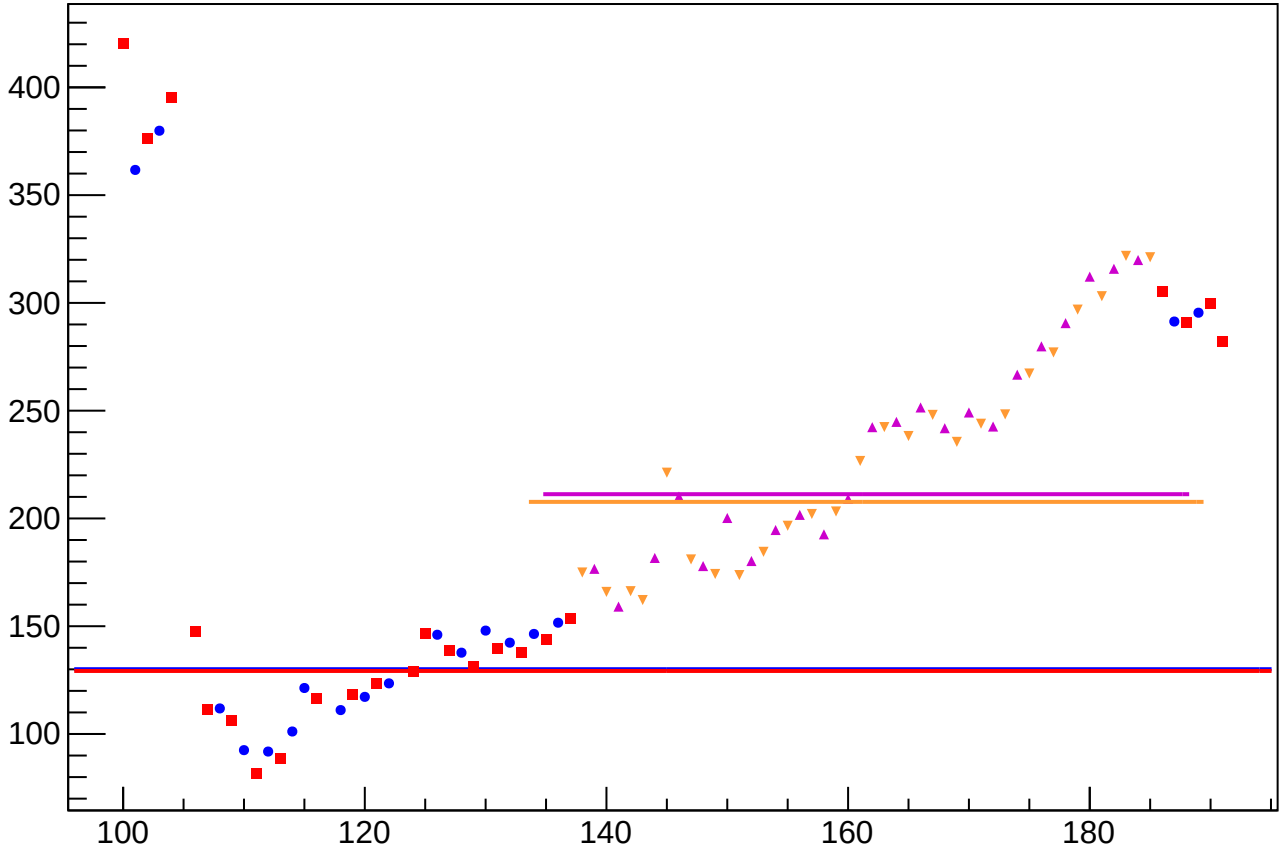
Left In: 160654.189+/-0.051 χ^2/NDF:90149721861.0/22

+ sign 148479.949+/-0.035 χ^2/NDF: 24977081965

All: 147975.899+/-0.024 χ^2/NDF: 50387597

- sign 147487.136+/-0.034 χ^2/NDF: 253693937365

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

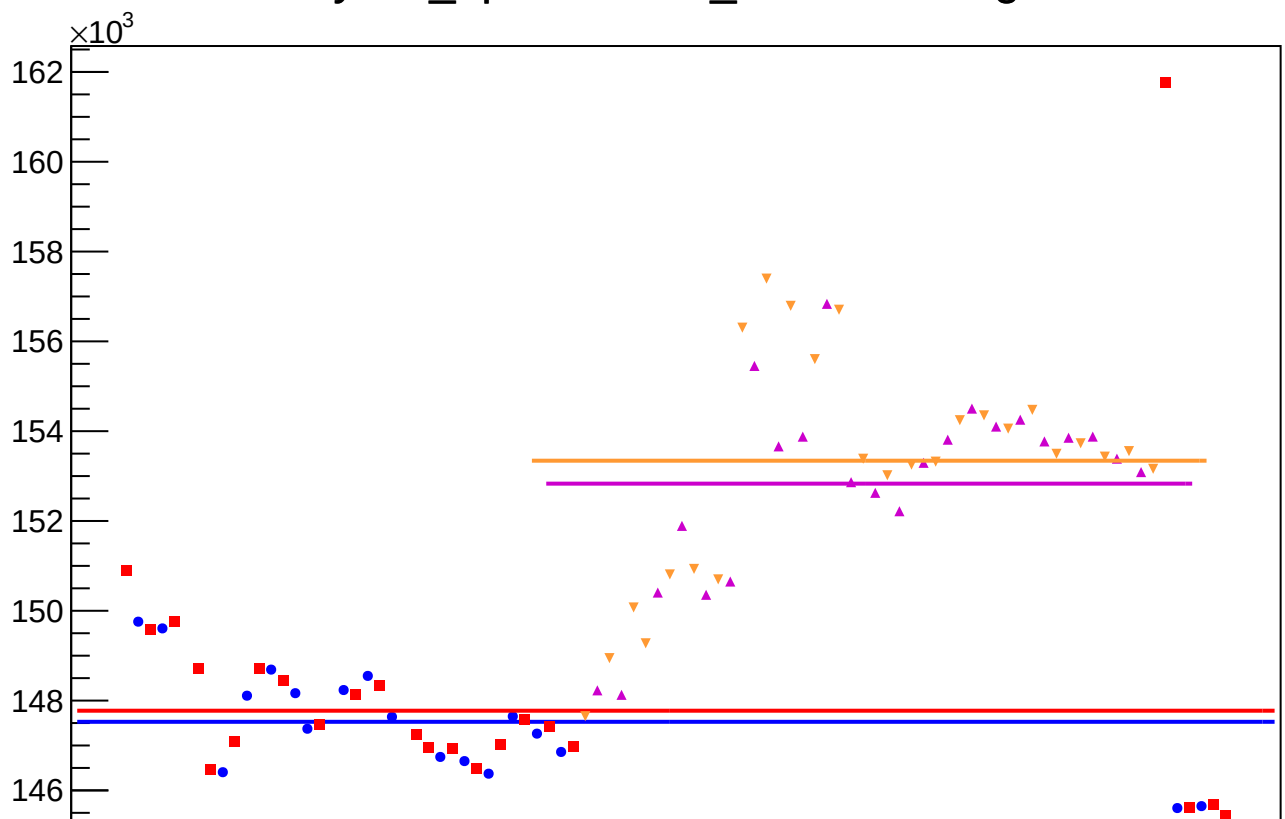
Right Out: 129.246+/-0.033 χ^2/NDF: 2918390.6/22

Left In: 211.254+/-0.036 χ^2/NDF:1305730.5/22

+ sign 170.336+/-0.025 χ^2/NDF: 5906270.4/42

All: 168.659+/-0.017 χ^2/NDF: 12971640.3/88

- sign 167.032+/-0.024 χ^2/NDF: 7056260.4/45



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: 147774.497+/-0.056 χ^2/NDF: 1202690306.8/22

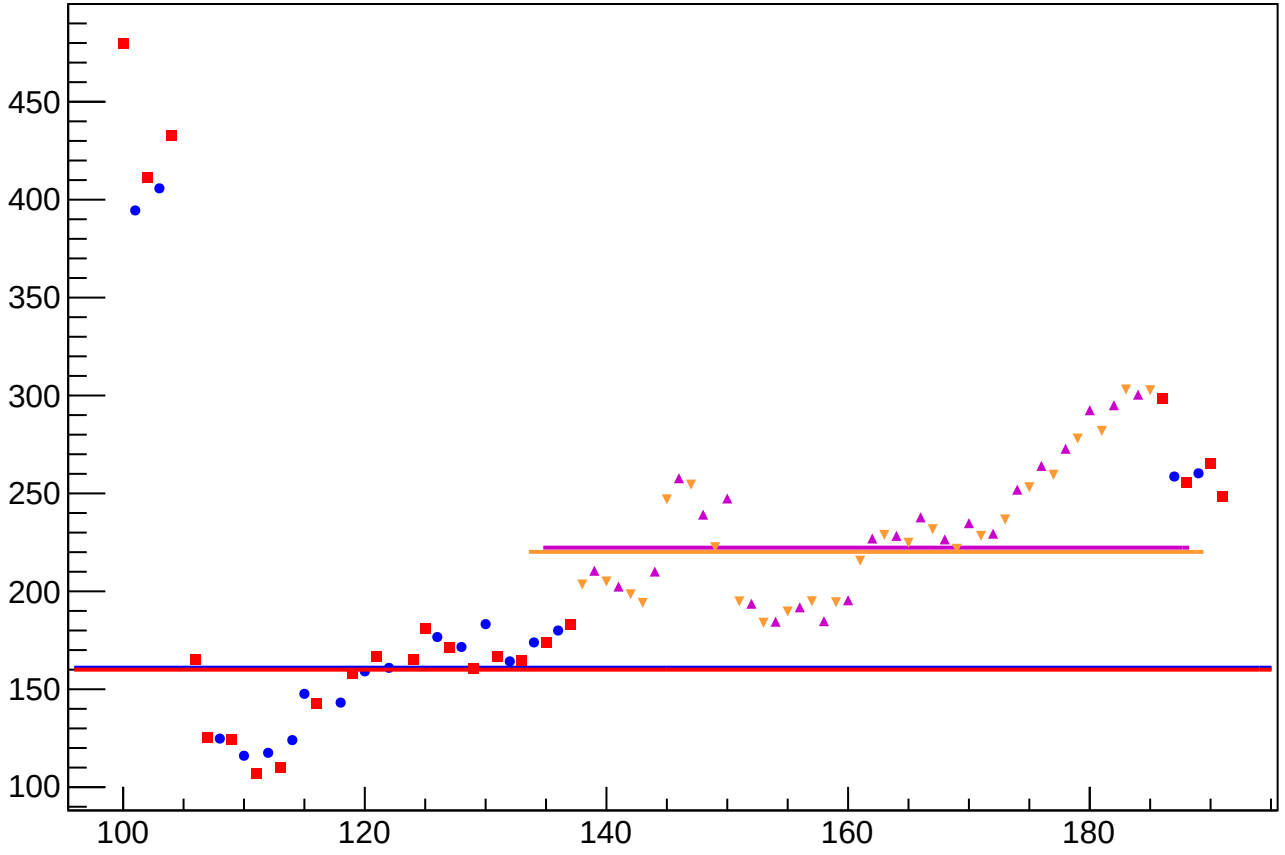
Left In: 152831.399+/-0.053 χ^2/NDF:1914395326.4/22

+ sign 150971.278+/-0.039 χ^2/NDF: 8561596262.1

All: 150713.510+/-0.027 χ^2/NDF: 16059545

- sign 150463.486+/-0.039 χ^2/NDF: 7412304837.8/

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

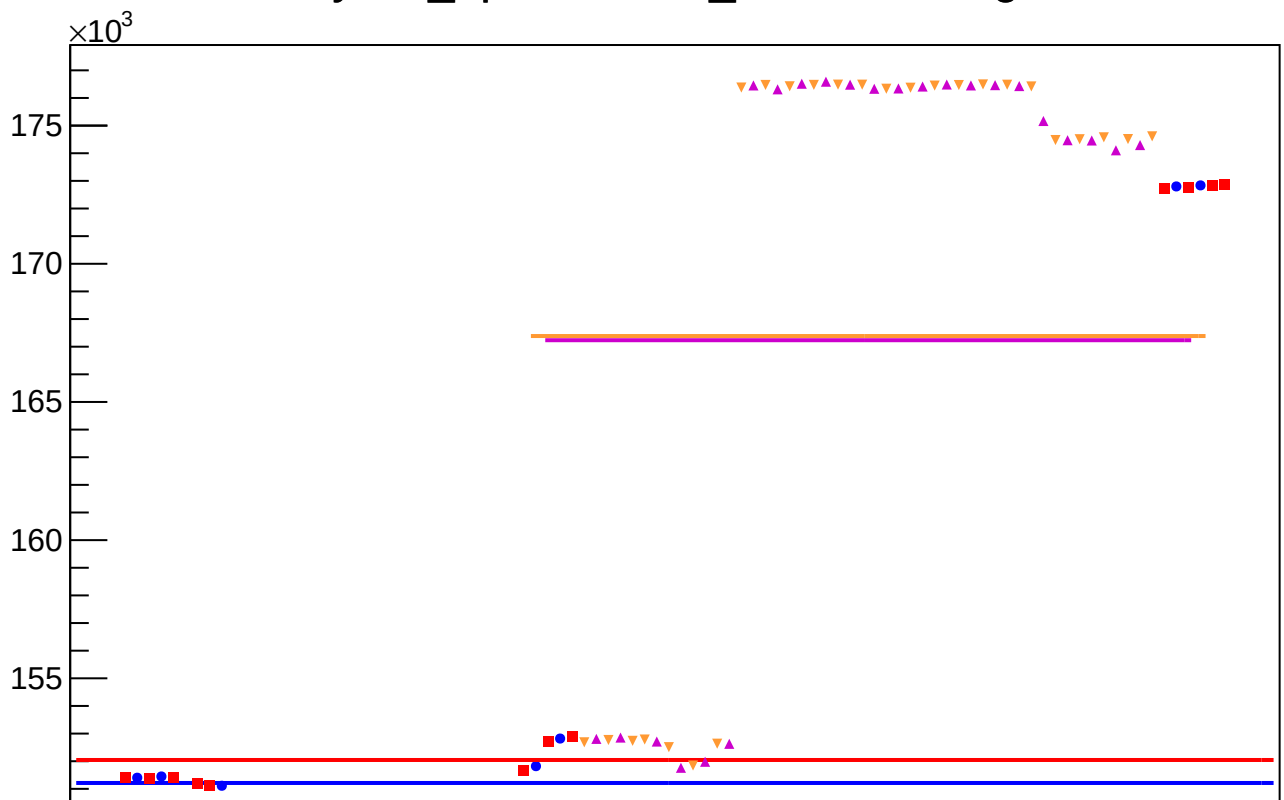
Right Out: 160.005+/-0.040 χ^2/NDF: 2121477.5/22

Left In: 222.304+/-0.037 χ^2/NDF:697605.9/22

+ sign 196.039+/-0.028 χ^2/NDF: 3272238.8/42

All: 194.564+/-0.019 χ^2/NDF: 7400744.3/88

- sign 193.132+/-0.027 χ^2/NDF: 4122892.0/45



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: 152044.587+/-0.049 χ^2/NDF: 12873384457.7/22

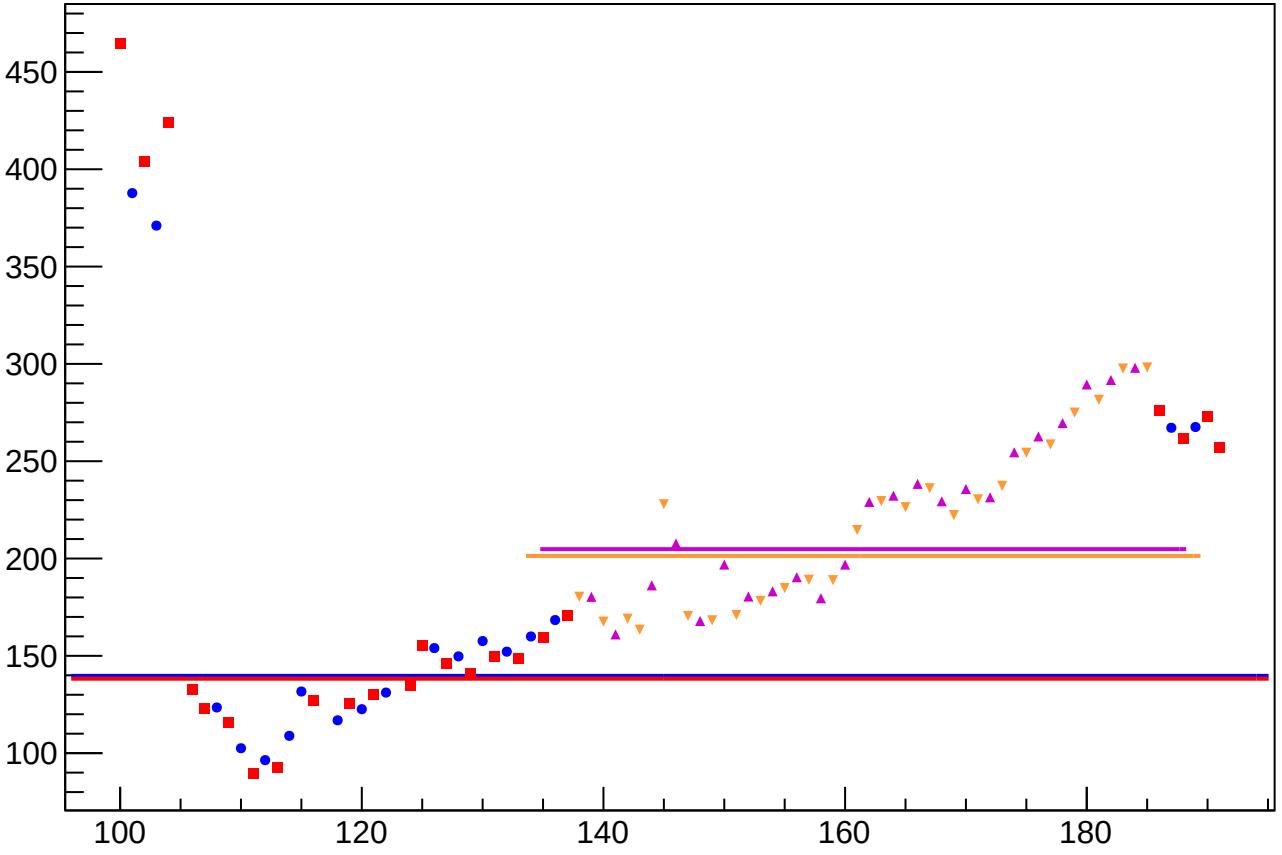
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 160432.643+/-0.035 χ^2/NDF: 116135373089

All: 160059.252+/-0.025 χ^2/NDF: 23225647

- sign 159698.341+/-0.035 χ^2/NDF: 115900882242

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

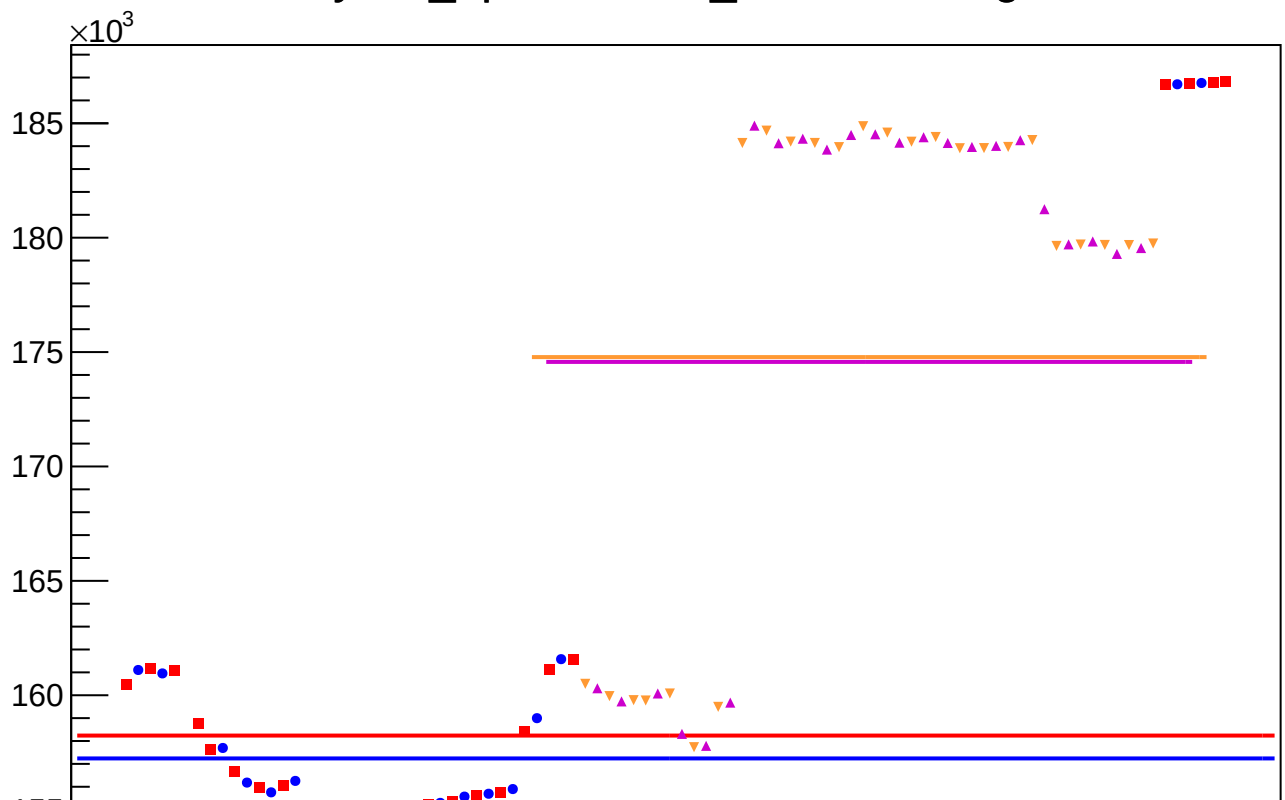
Right Out: 138.246+/-0.035 χ^2/NDF: 2574856.8/22

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

+ sign 174.835+/-0.025 χ^2/NDF: 4478080.7/42

All: 173.289+/-0.017 χ^2/NDF: 9955309.3/88

- sign 171.794+/-0.025 χ^2/NDF: 5469674.4/45



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: 158237.699+/-0.052 χ^2/NDF: 20167793436.6/22

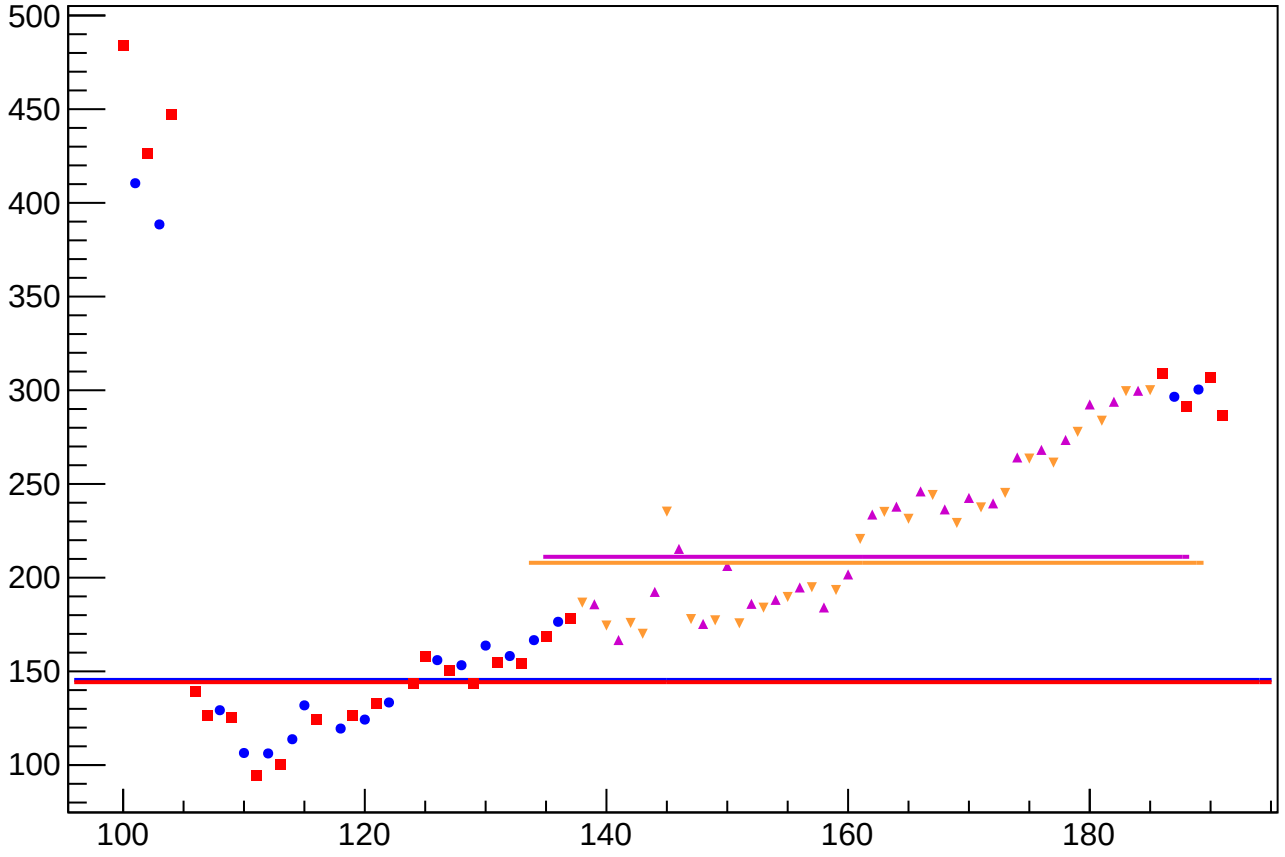
Left In: 174570.001+/-0.050 χ^2/NDF:54757801795.4/22

+ sign 167328.986+/-0.037 χ^2/NDF: 12280118147

All: 166957.750+/-0.026 χ^2/NDF: 2493216

- sign 166597.575+/-0.036 χ^2/NDF: 126317366076

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: 144.244+/-0.036 χ^2/NDF: 2671654.4/22

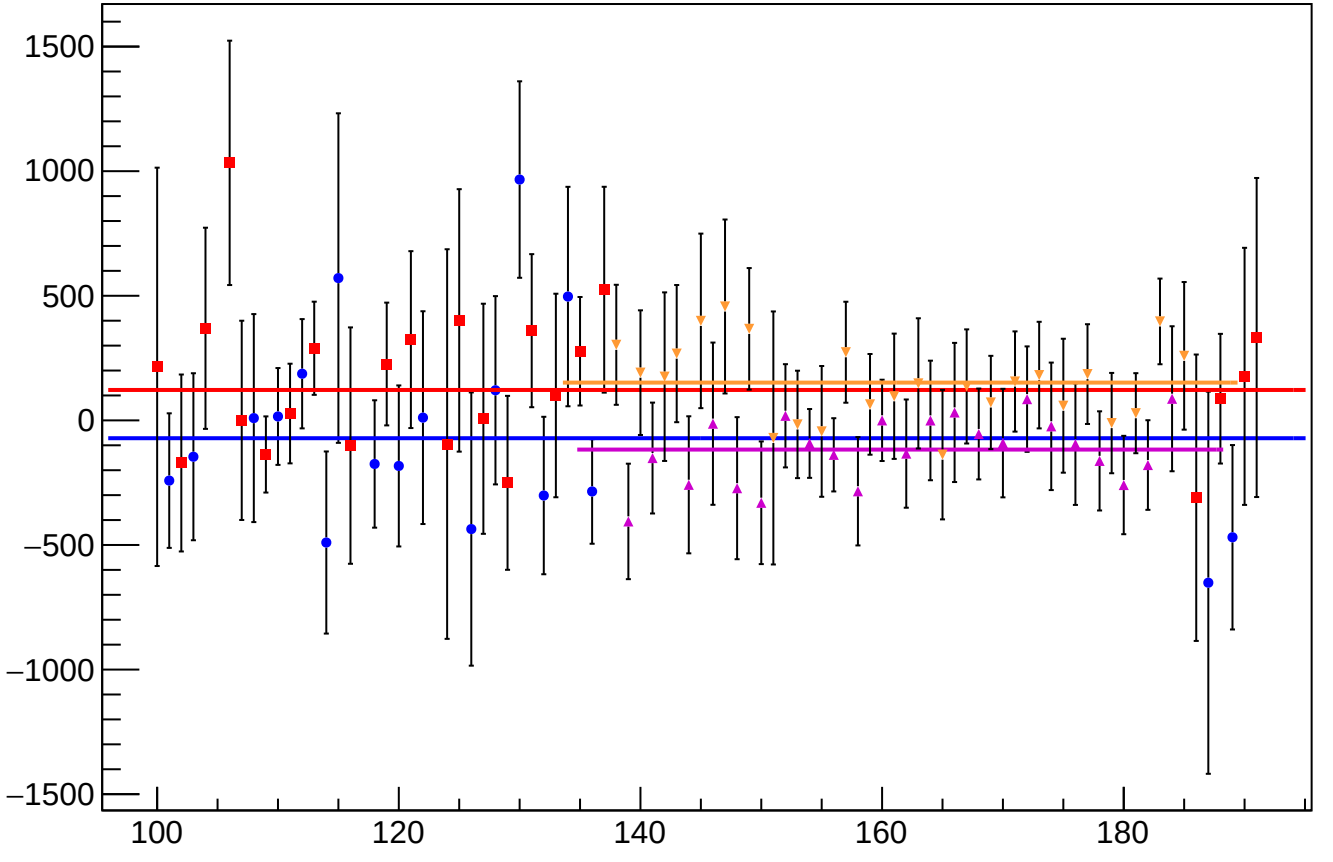
Left In: 211.133+/-0.036 χ^2/NDF:993720.4/22

+ sign 181.388+/-0.026 χ^2/NDF: 4340244.5/42

All: 179.913+/-0.018 χ^2/NDF: 9736058.4/88

- sign 178.482+/-0.025 χ^2/NDF: 5389398.8/45

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: 122.048+/-64.946 χ^2/NDF: 13.6/22

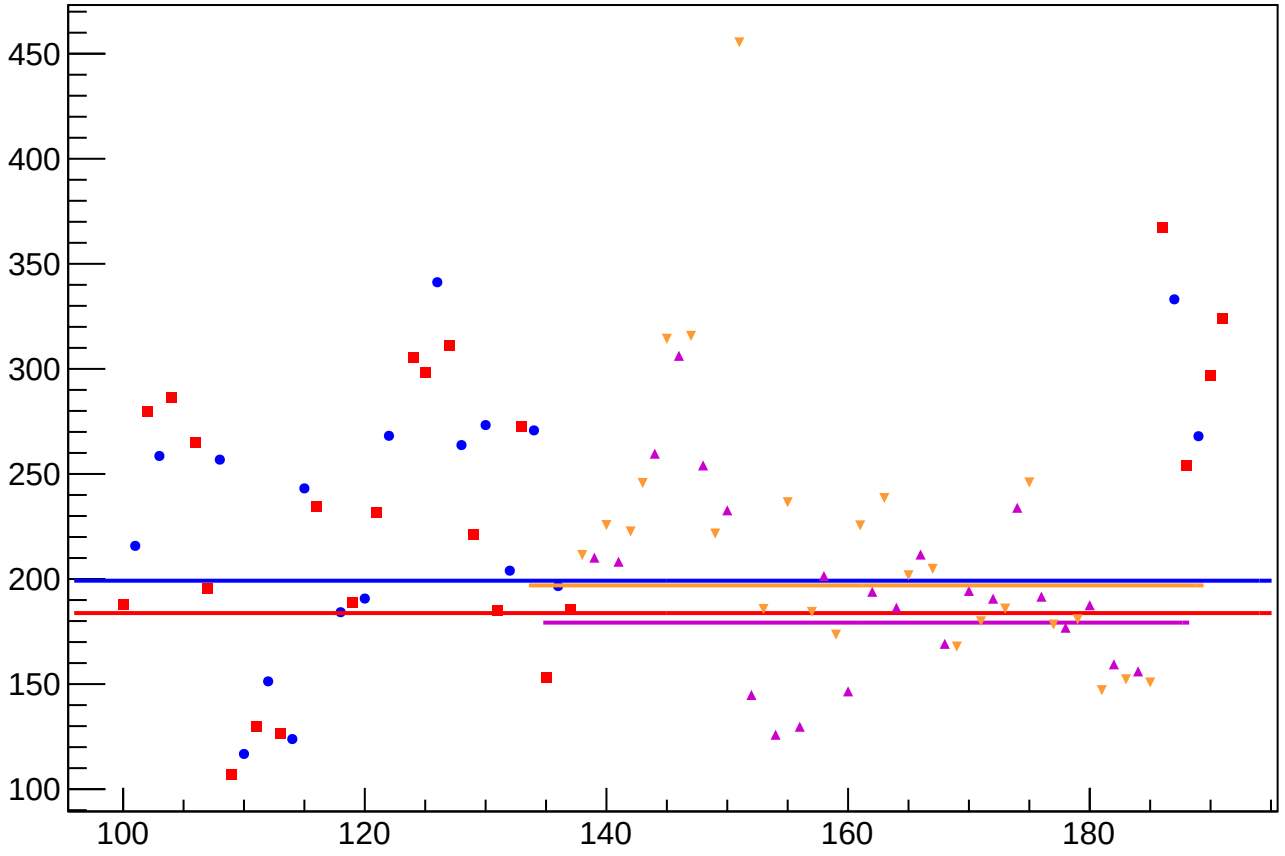
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

+ sign 89.365+/-39.419 χ^2/NDF: 33.3/42

All: 18.050+/-26.703 χ^2/NDF: 69.7/88

- sign -42.430+/-36.301 χ^2/NDF: 30.4/45

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: 183.793+/-0.046 χ^2/NDF: 2226394.4/22

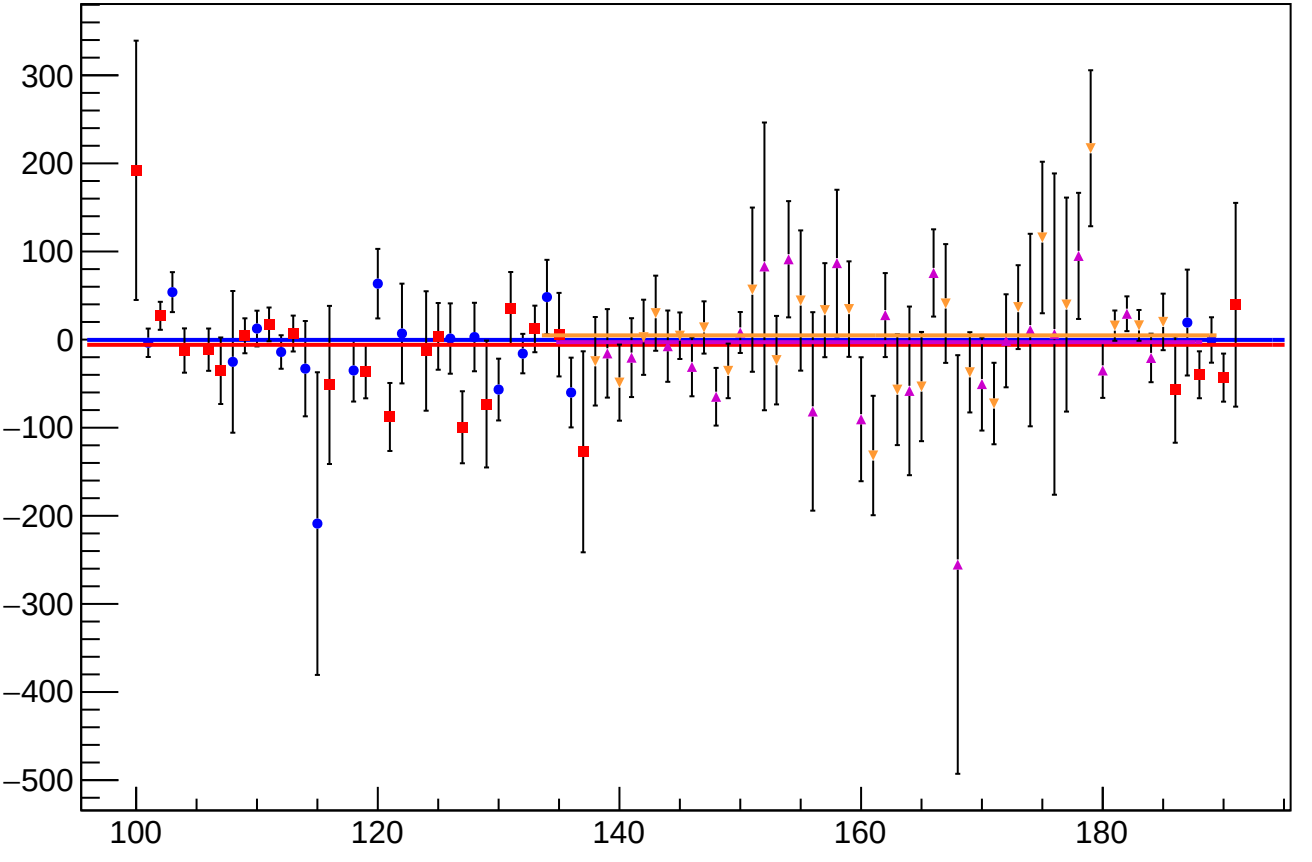
Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

+ sign 197.597+/-0.028 χ^2/NDF: 2975803.0/42

All: 188.440+/-0.019 χ^2/NDF: 7064408.2/88

- sign 180.673+/-0.026 χ^2/NDF: 3889129.3/45

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: -5.909+/-6.332 χ^2/NDF: 28.0/22

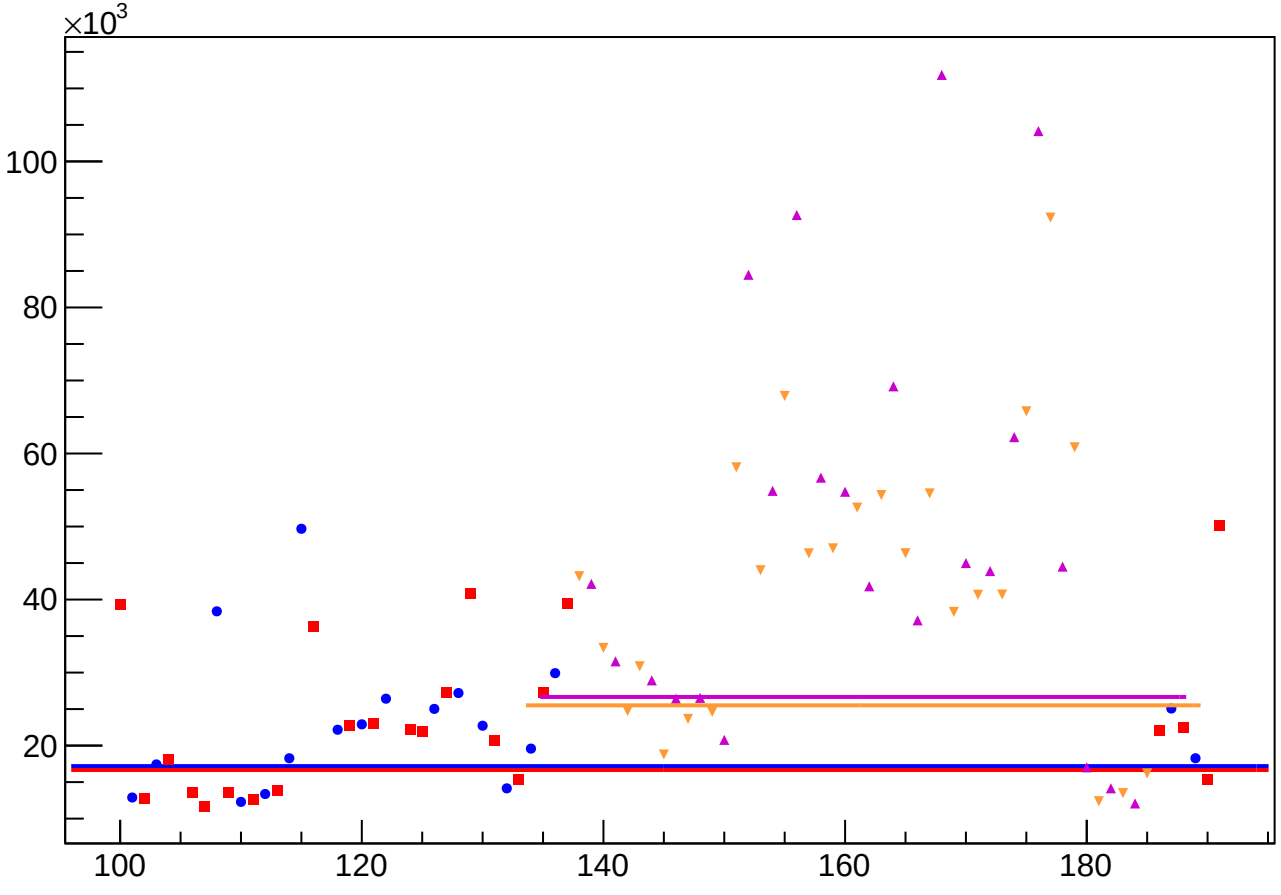
Left In: -2.918+/-8.840 χ^2/NDF:21.5/22

+ sign 2.025+/-5.154 χ^2/NDF: 43.6/42

All: -1.439+/-3.642 χ^2/NDF: 94.0/88

- sign -4.895+/-5.148 χ^2/NDF: 49.5/45

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: 16656.869+/-4.477 χ^2/NDF: 1545102.9/22

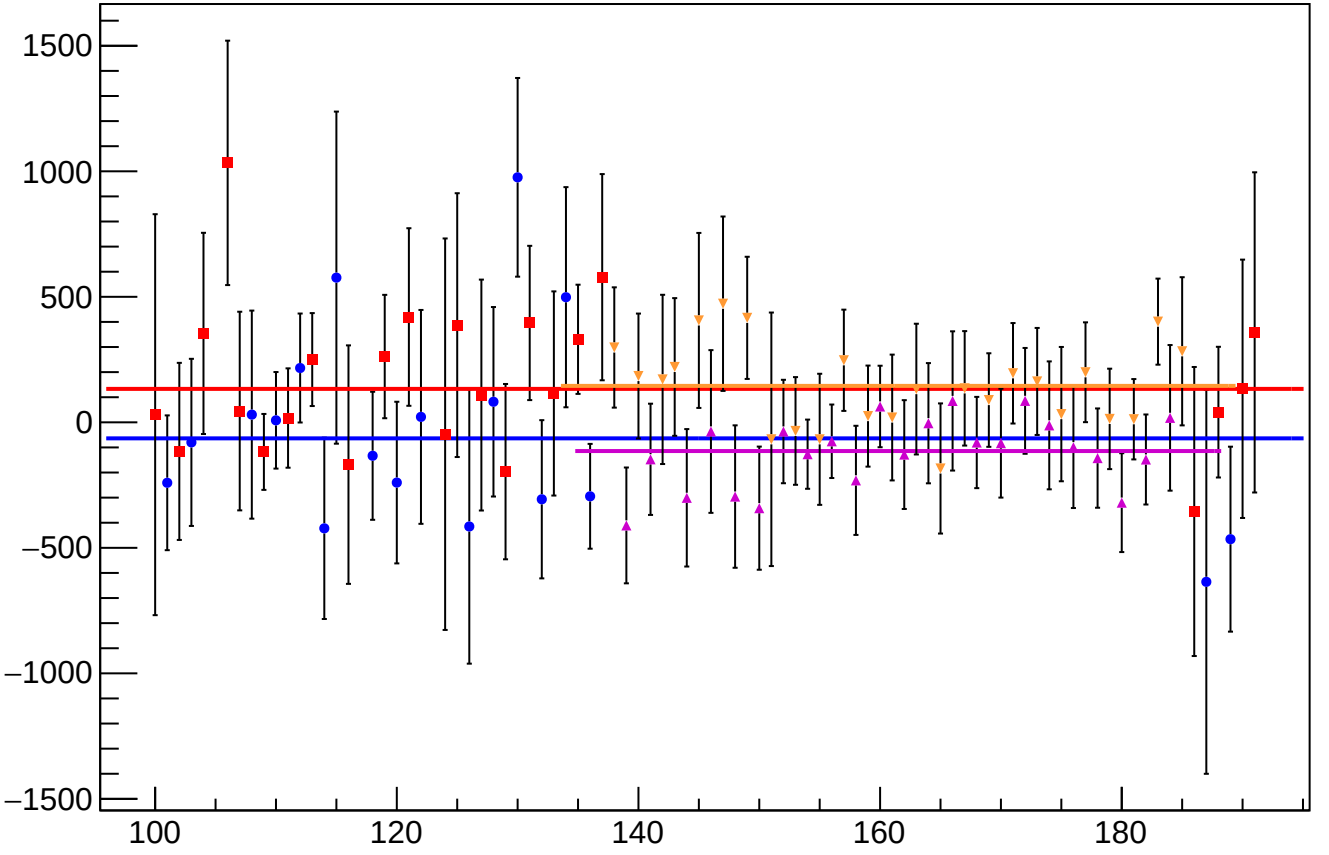
Left In: 26660.853+/-6.251 χ^2/NDF:5883195.1/22

+ sign 21016.804+/-3.644 χ^2/NDF: 10271213.1/42

All: 20532.386+/-2.575 χ^2/NDF: 19427556.9

- sign 20049.085+/-3.640 χ^2/NDF: 9121045.2/45

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: 133.223+/-64.582 χ^2/NDF: 14.0/22

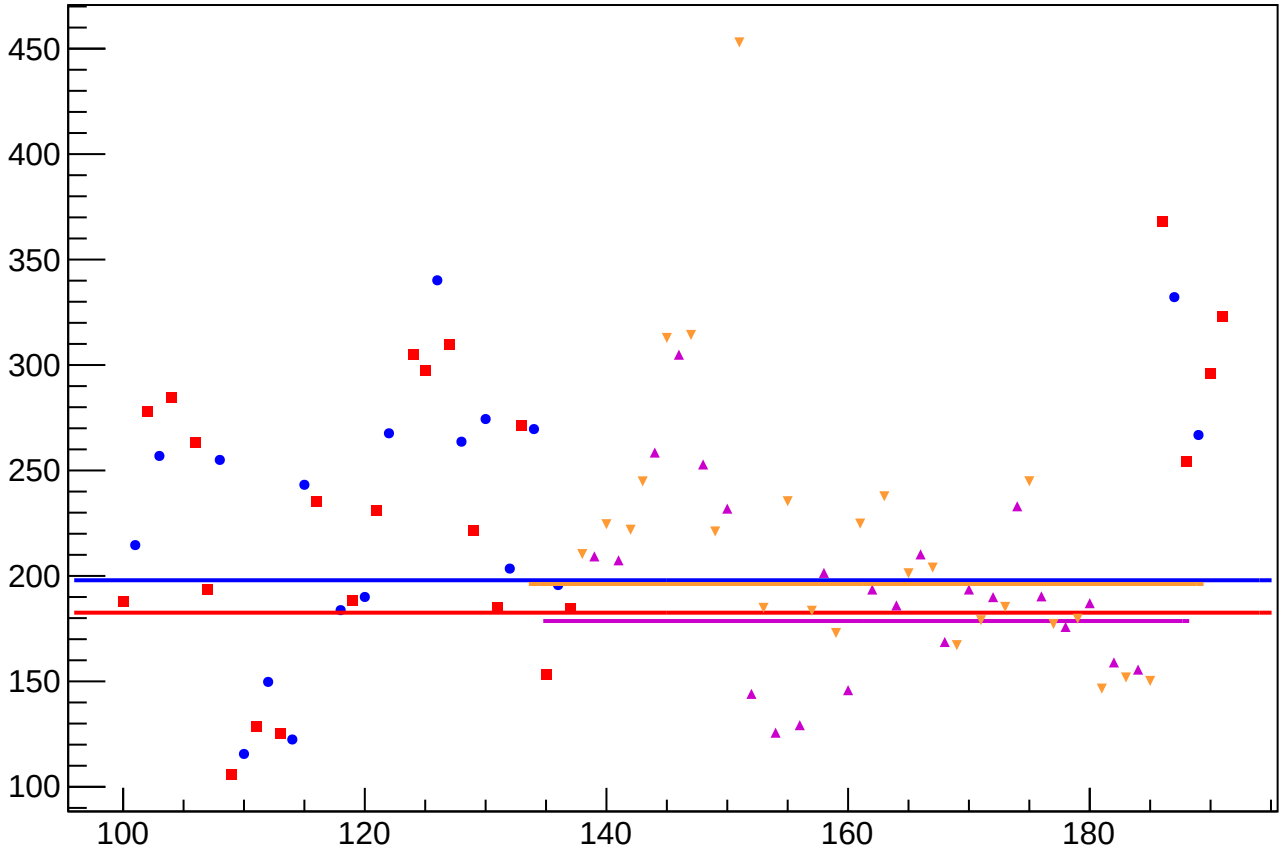
Left In: -114.400+/-43.619 χ^2/NDF:8.4/22

+ sign 86.754+/-39.239 χ^2/NDF: 34.2/42

All: 19.904+/-26.586 χ^2/NDF: 72.1/88

- sign -36.827+/-36.147 χ^2/NDF: 32.5/45

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: 182.575+/-0.046 χ^2/NDF: 2260167.1/22

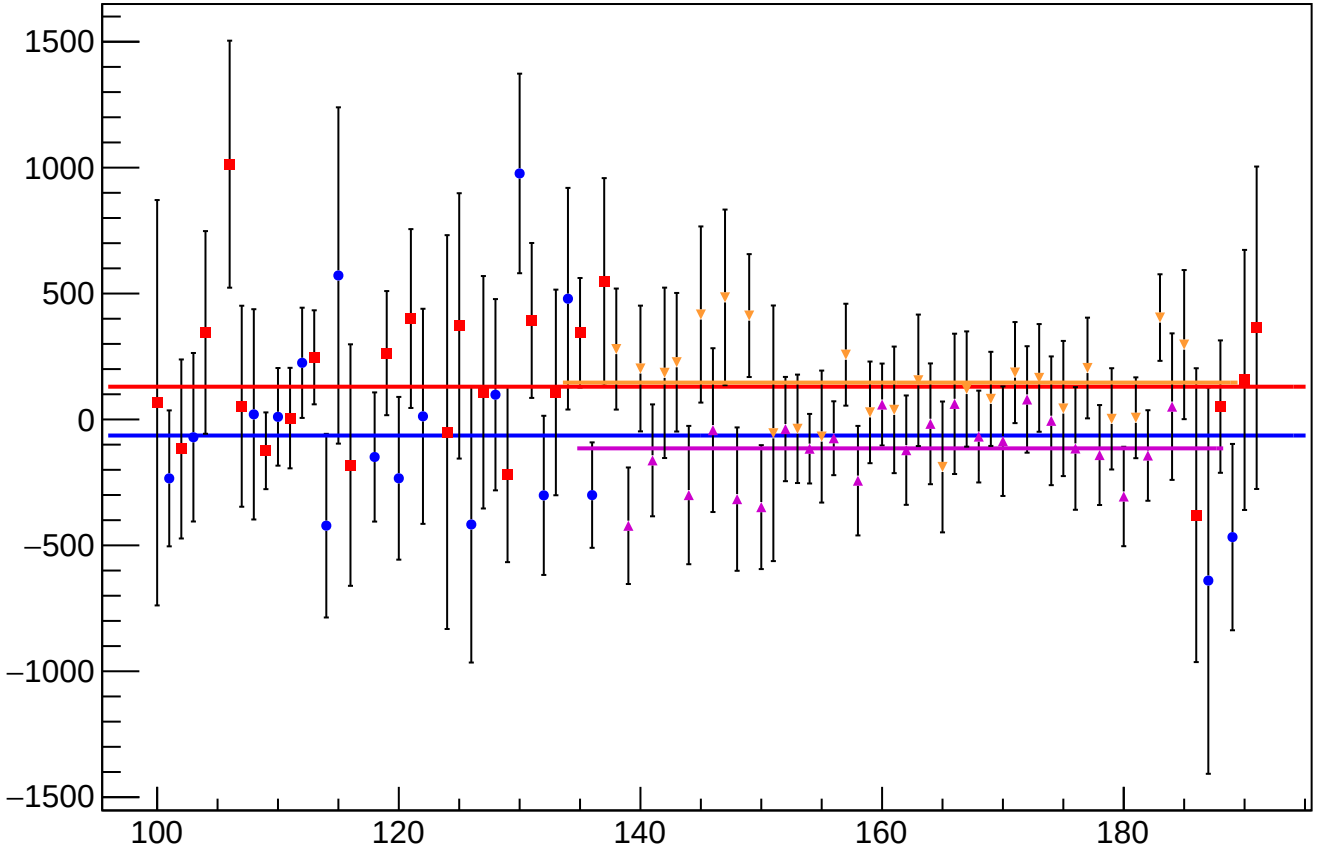
Left In: 178.621+/-0.031 χ^2/NDF:1651873.8/22

+ sign 196.663+/-0.028 χ^2/NDF: 2995298.4/42

All: 187.573+/-0.019 χ^2/NDF: 7110884.2/88

- sign 179.860+/-0.026 χ^2/NDF: 3917191.0/45

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: 130.059+/-64.961 χ^2/NDF: 13.9/22

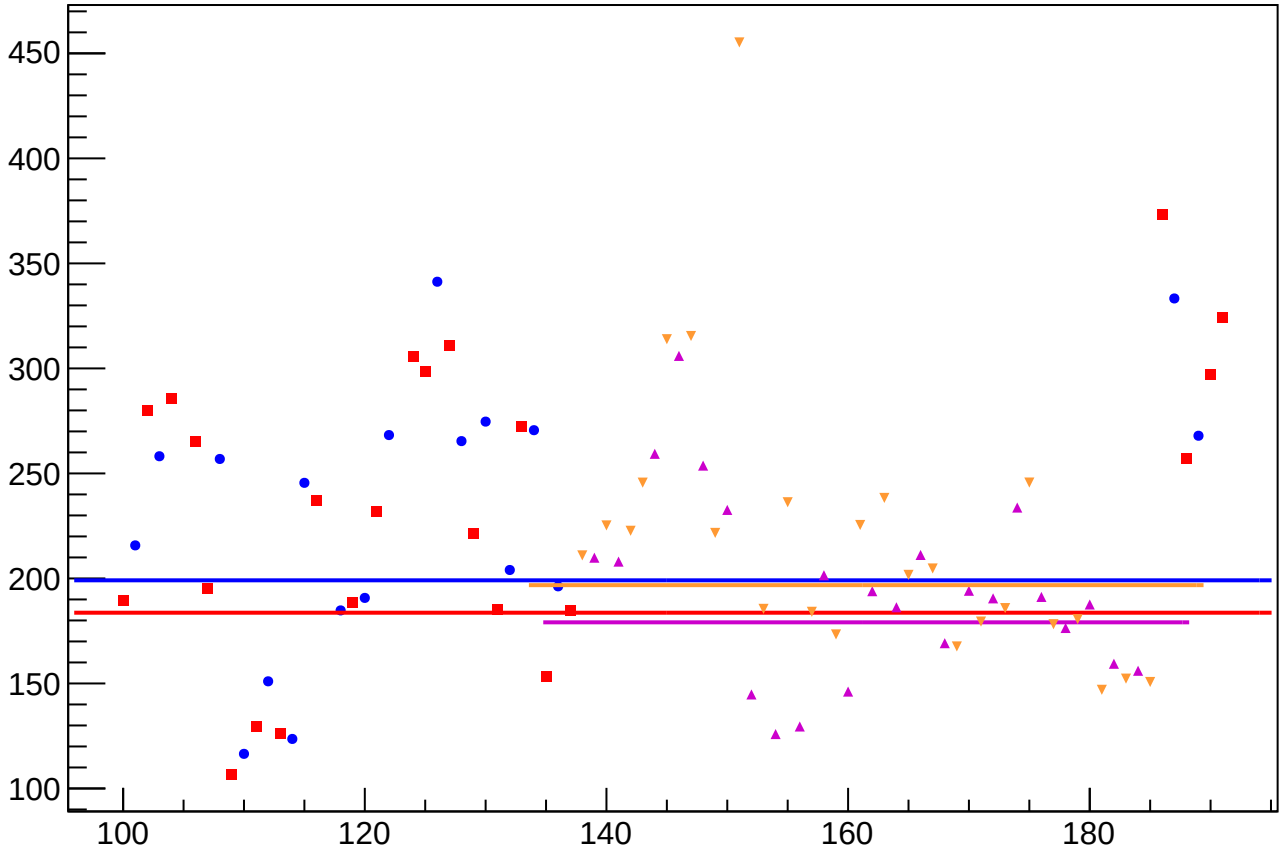
Left In: -114.807+/-43.740 χ^2/NDF:8.4/22

+ sign 87.850+/-39.392 χ^2/NDF: 34.4/42

All: 19.533+/-26.687 χ^2/NDF: 72.0/88

- sign -38.423+/-36.282 χ^2/NDF: 32.1/45

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: 183.684+/-0.046 χ^2/NDF: 2254223.8/22

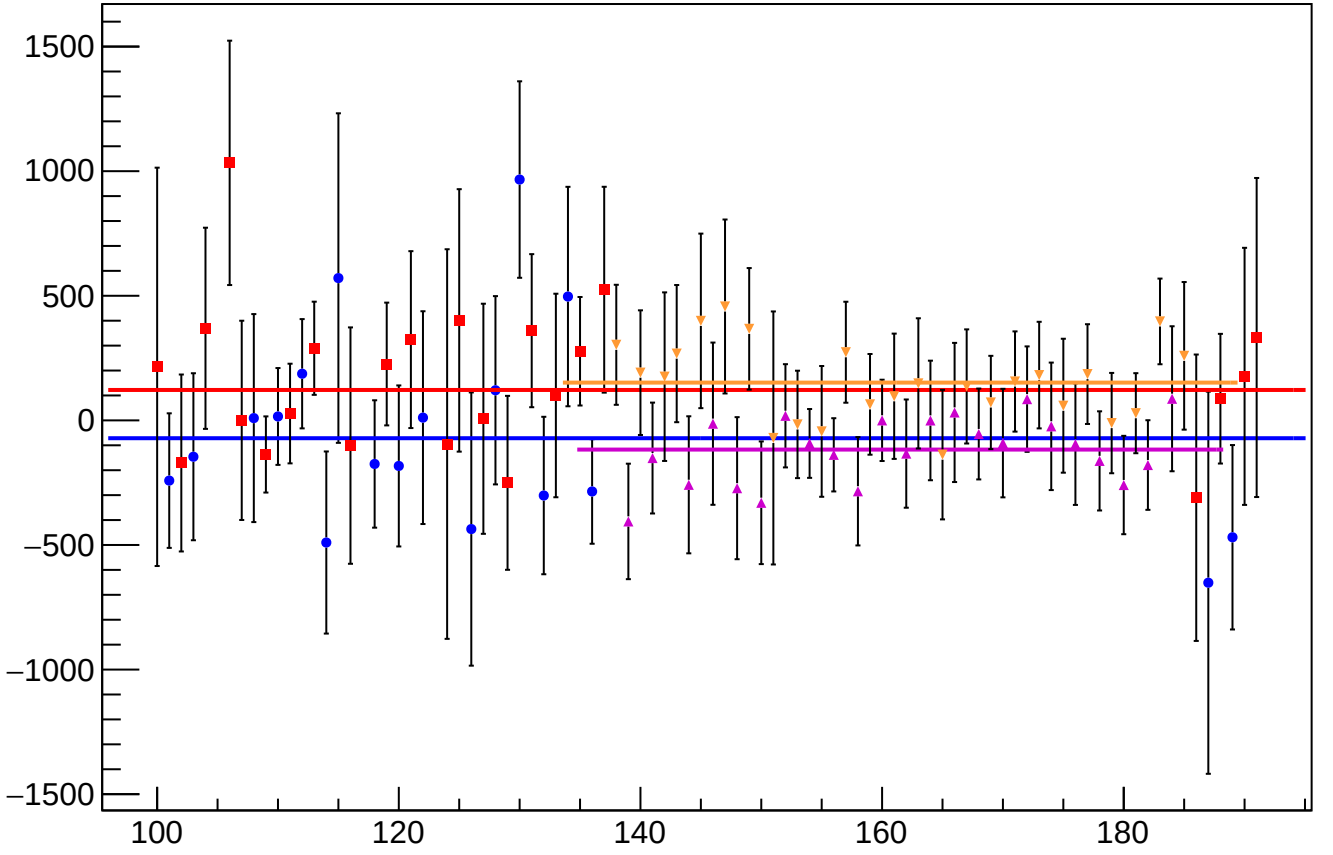
Left In: 179.101+/-0.031 χ^2/NDF:1655866.1/22

\+ sign 197.446+/-0.028 χ^2/NDF: 2985758.5/42

All: 188.294+/-0.019 χ^2/NDF: 7102222.9/88

\- sign 180.531+/-0.026 χ^2/NDF: 3916940.1/45

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: 122.048+/-64.946 χ^2/NDF: 13.6/22

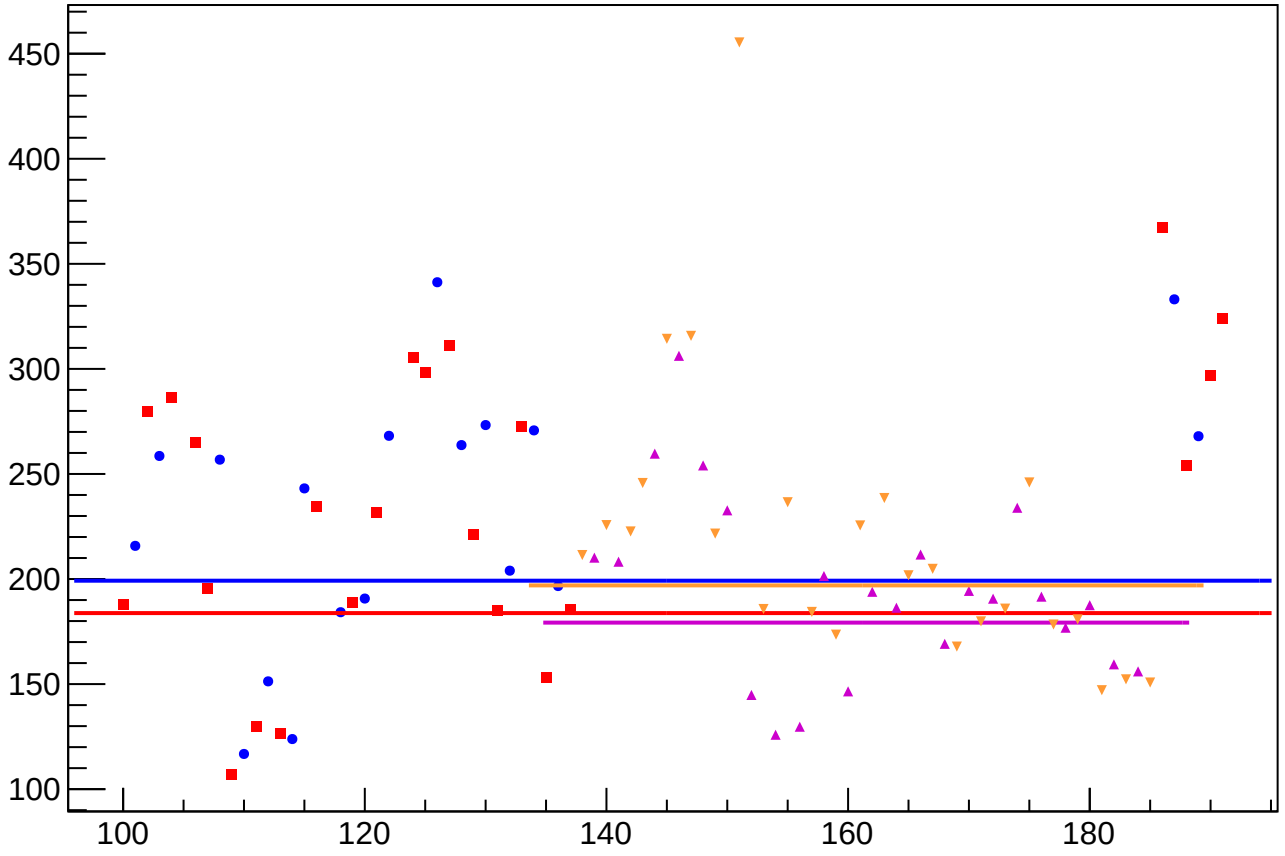
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

+ sign 89.365+/-39.419 χ^2/NDF: 33.3/42

All: 18.050+/-26.703 χ^2/NDF: 69.7/88

- sign -42.430+/-36.301 χ^2/NDF: 30.4/45

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

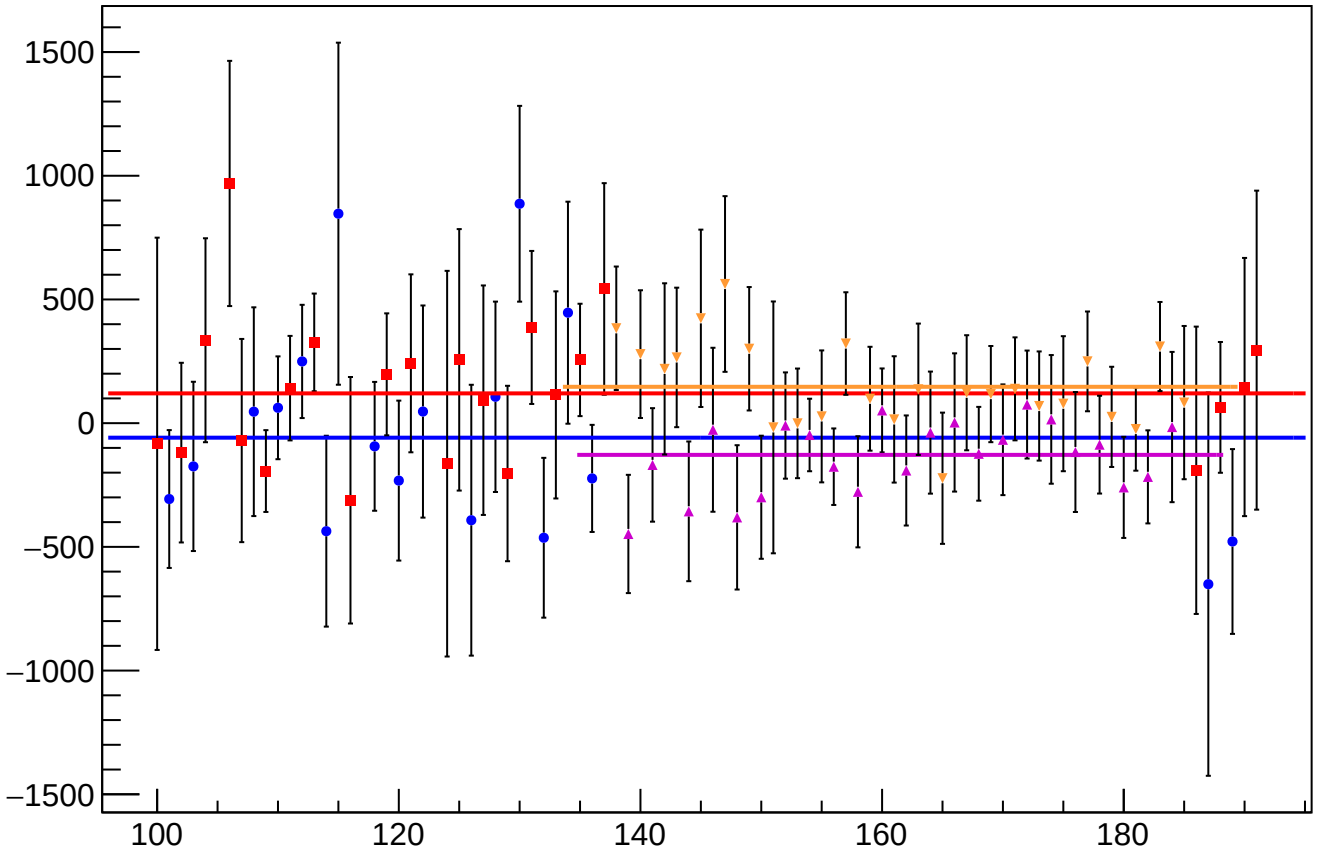
Right Out: 183.793+/-0.046 χ^2/NDF: 2226394.4/22

Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

+ sign 197.597+/-0.028 χ^2/NDF: 2975803.0/42

All: 188.440+/-0.019 χ^2/NDF: 7064408.2/88

- sign 180.673+/-0.026 χ^2/NDF: 3889129.3/45



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: 120.376+/-67.417 χ^2/NDF: 13.1/22

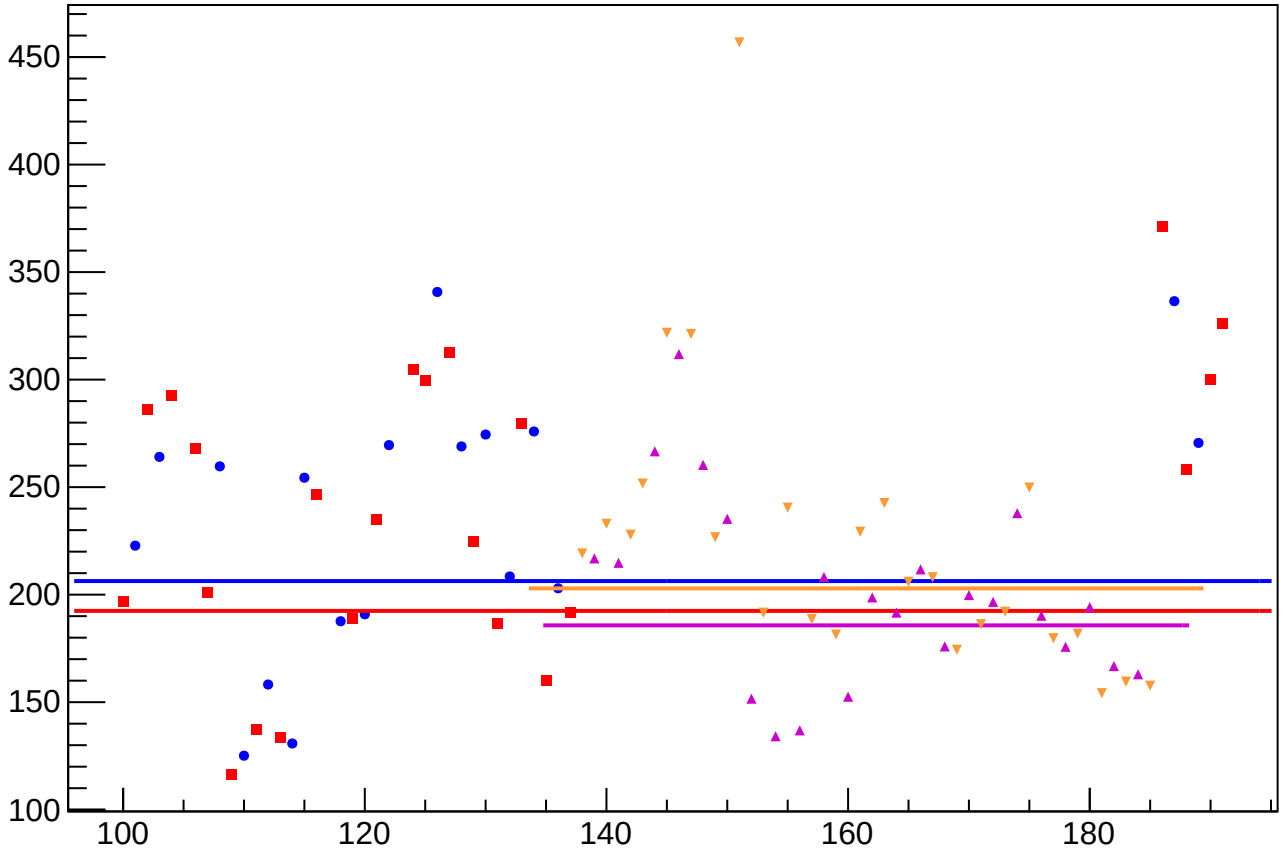
Left In: -128.159+/-45.200 χ^2/NDF:8.6/22

+ sign 89.824+/-40.541 χ^2/NDF: 33.0/42

All: 13.967+/-27.546 χ^2/NDF: 70.6/88

- sign -51.087+/-37.543 χ^2/NDF: 31.0/45

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: 192.454+/-0.048 χ^2/NDF: 1975373.7/22

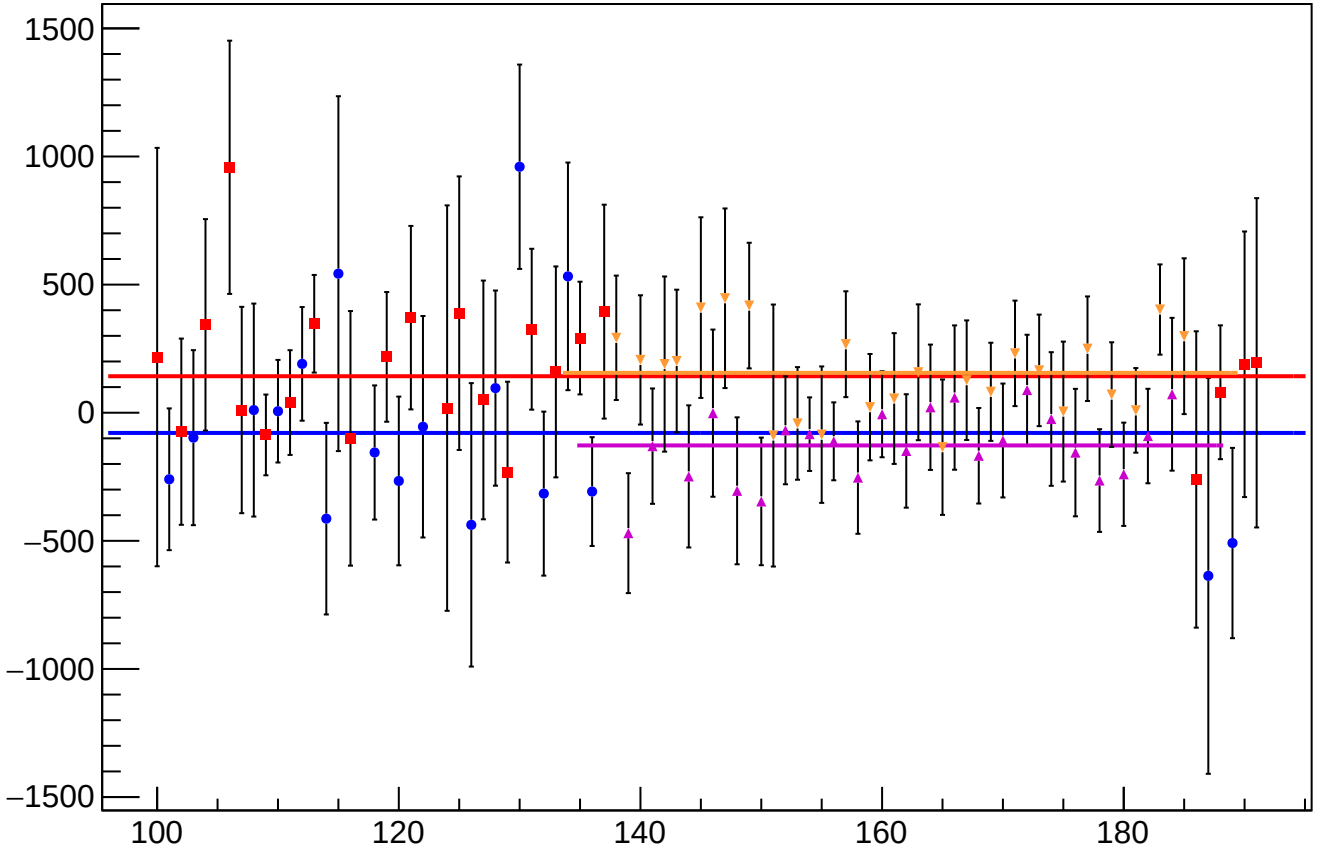
Left In: 185.716+/-0.032 χ^2/NDF:1489487.2/22

+ sign 203.865+/-0.029 χ^2/NDF: 2734625.7/42

All: 195.220+/-0.019 χ^2/NDF: 6382218.4/88

- sign 187.806+/-0.027 χ^2/NDF: 3478645.0/45

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: 142.455+/-66.161 χ^2/NDF: 10.8/22

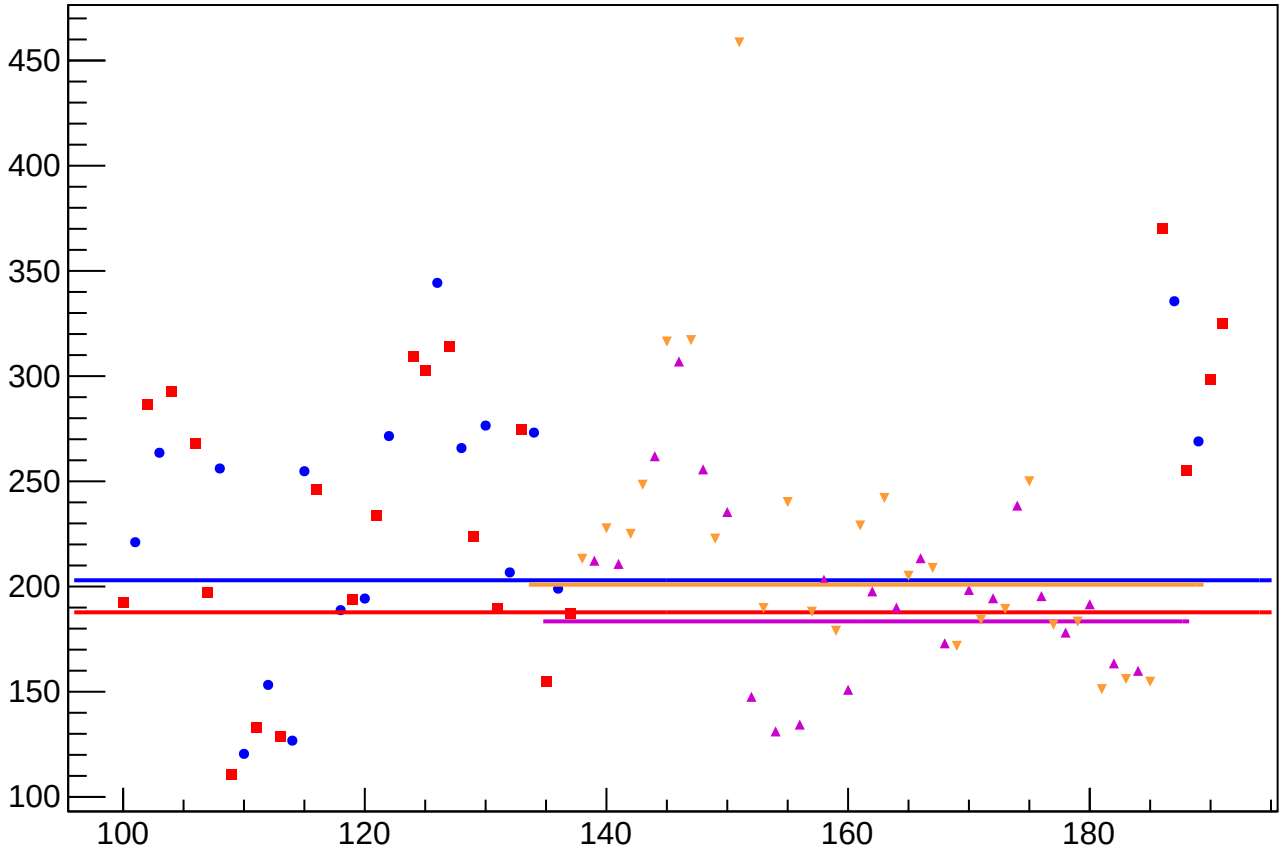
Left In: -127.660+/-44.698 χ^2/NDF:8.0/22

+ sign 90.138+/-40.123 χ^2/NDF: 34.6/42

All: 18.249+/-27.215 χ^2/NDF: 70.7/88

- sign -43.009+/-37.038 χ^2/NDF: 30.2/45

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: 187.749+/-0.047 χ^2/NDF: 2160805.8/22

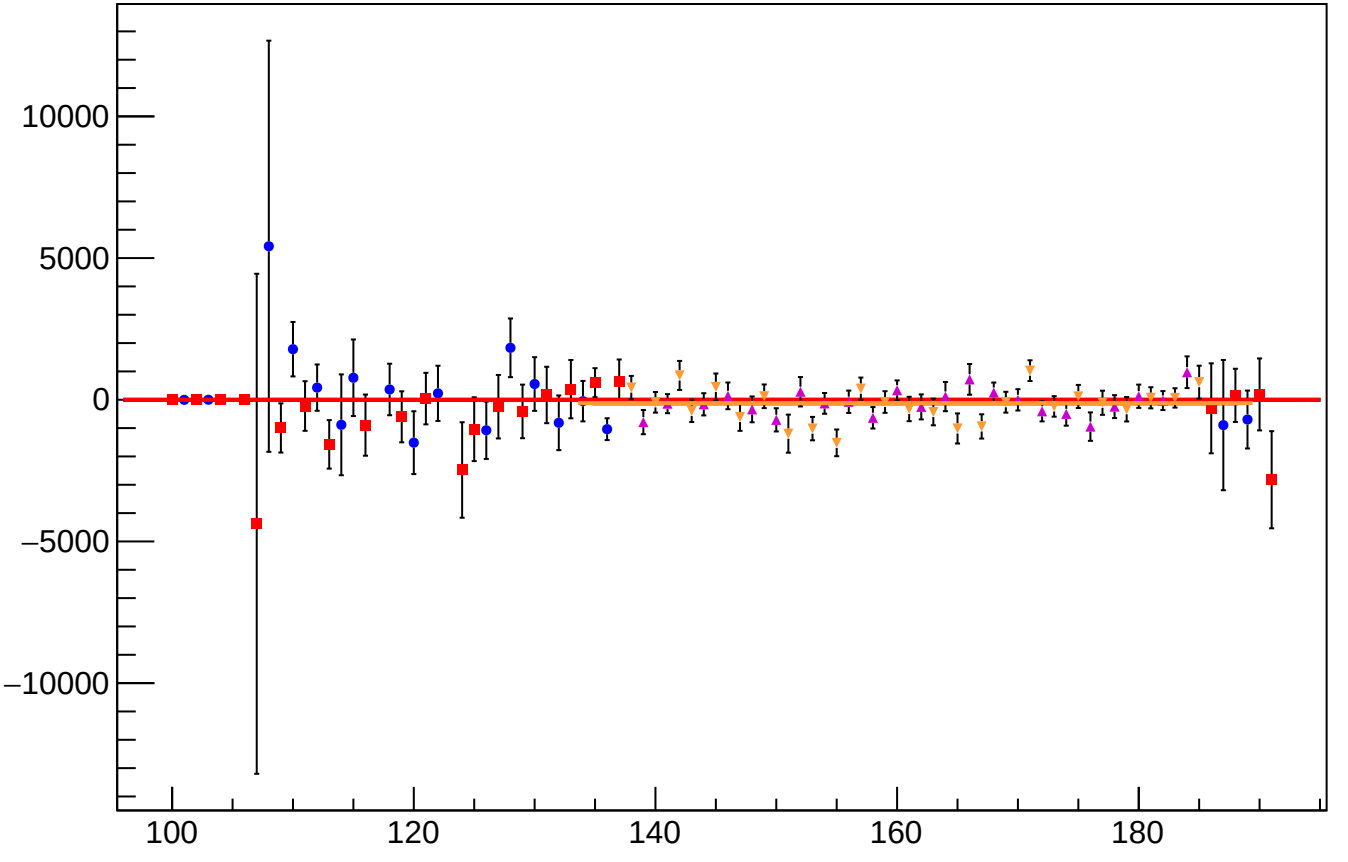
Left In: 183.433+/-0.032 χ^2/NDF:1530678.8/22

+ sign 201.455+/-0.028 χ^2/NDF: 2850678.3/42

All: 192.455+/-0.019 χ^2/NDF: 6734381.0/88

- sign 184.786+/-0.026 χ^2/NDF: 3697327.0/45

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: -1.381+/-2.022 χ^2/NDF: 19.6/22

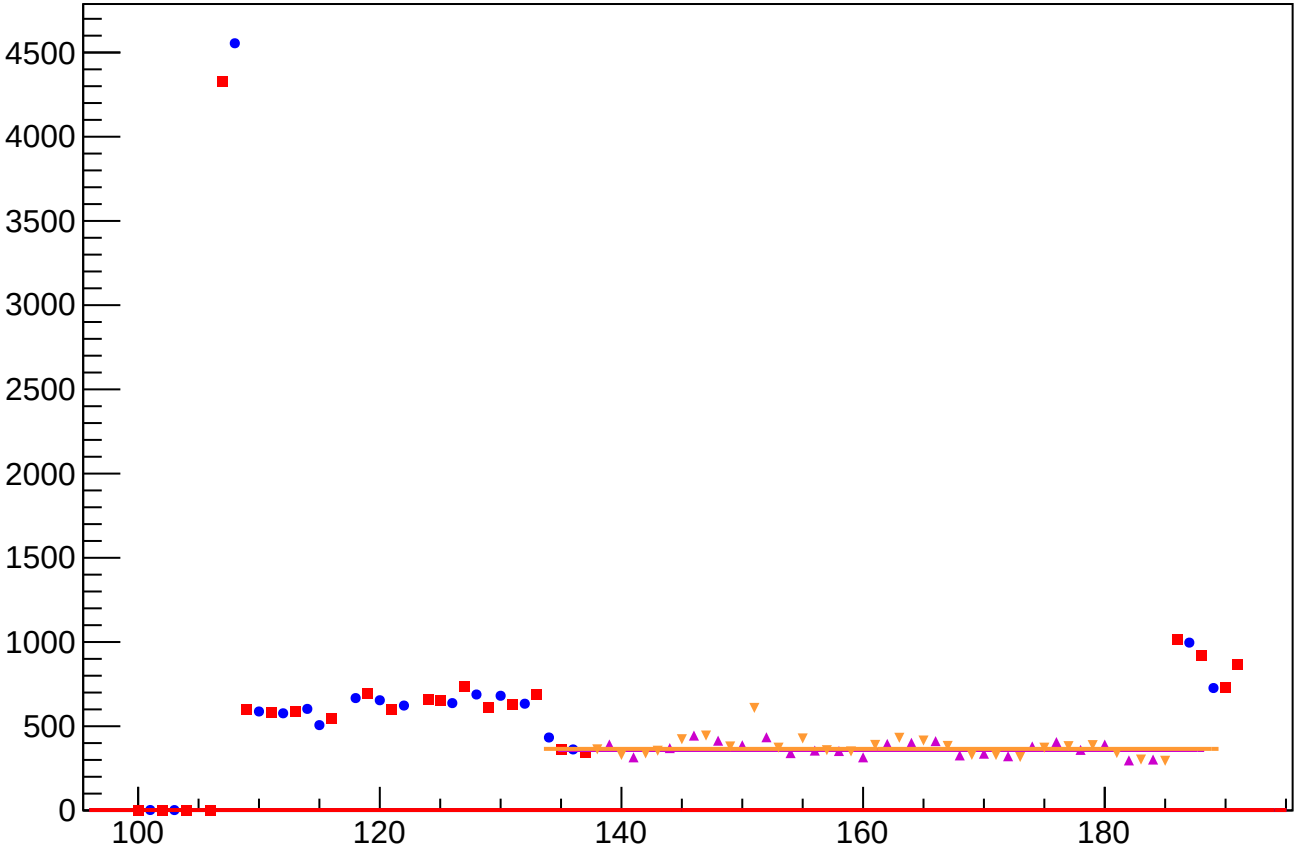
Left In: -129.738+/-85.075 χ^2/NDF:21.7/22

+ sign -1.320+/-2.170 χ^2/NDF: 68.8/42

All: -1.391+/-1.479 χ^2/NDF: 112.4/88

- sign -1.453+/-2.022 χ^2/NDF: 43.6/45

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: 2.471+/-0.001 χ^2/NDF: 15417043.4/22

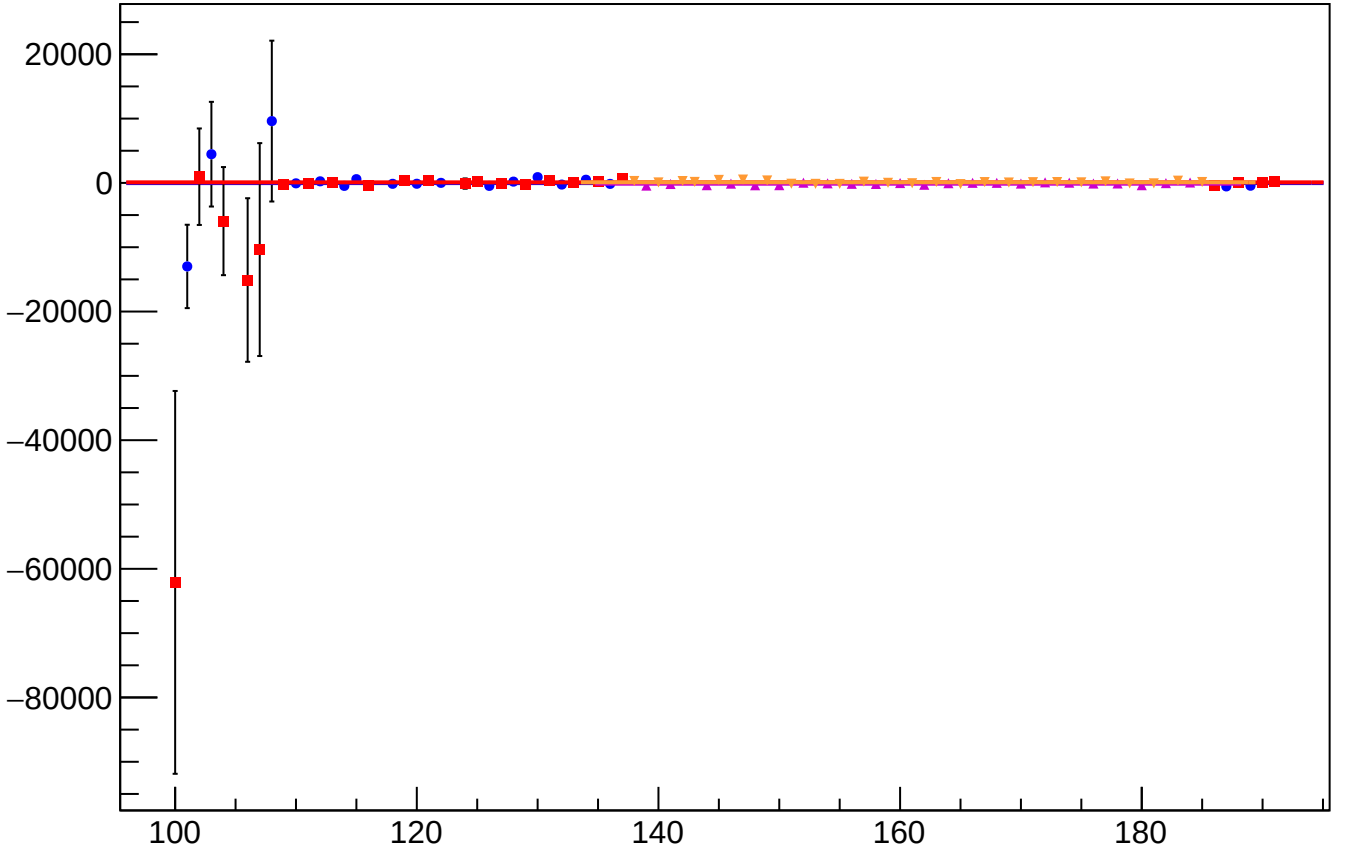
Left In: 359.024+/-0.060 χ^2/NDF:446263.1/22

+ sign 2.722+/-0.002 χ^2/NDF: 50838925.5/42

All: 2.696+/-0.001 χ^2/NDF: 101812877.9/88

- sign 2.672+/-0.001 χ^2/NDF: 50973394.3/45

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: 87.116+/-75.994 χ^2/NDF: 15.5/22

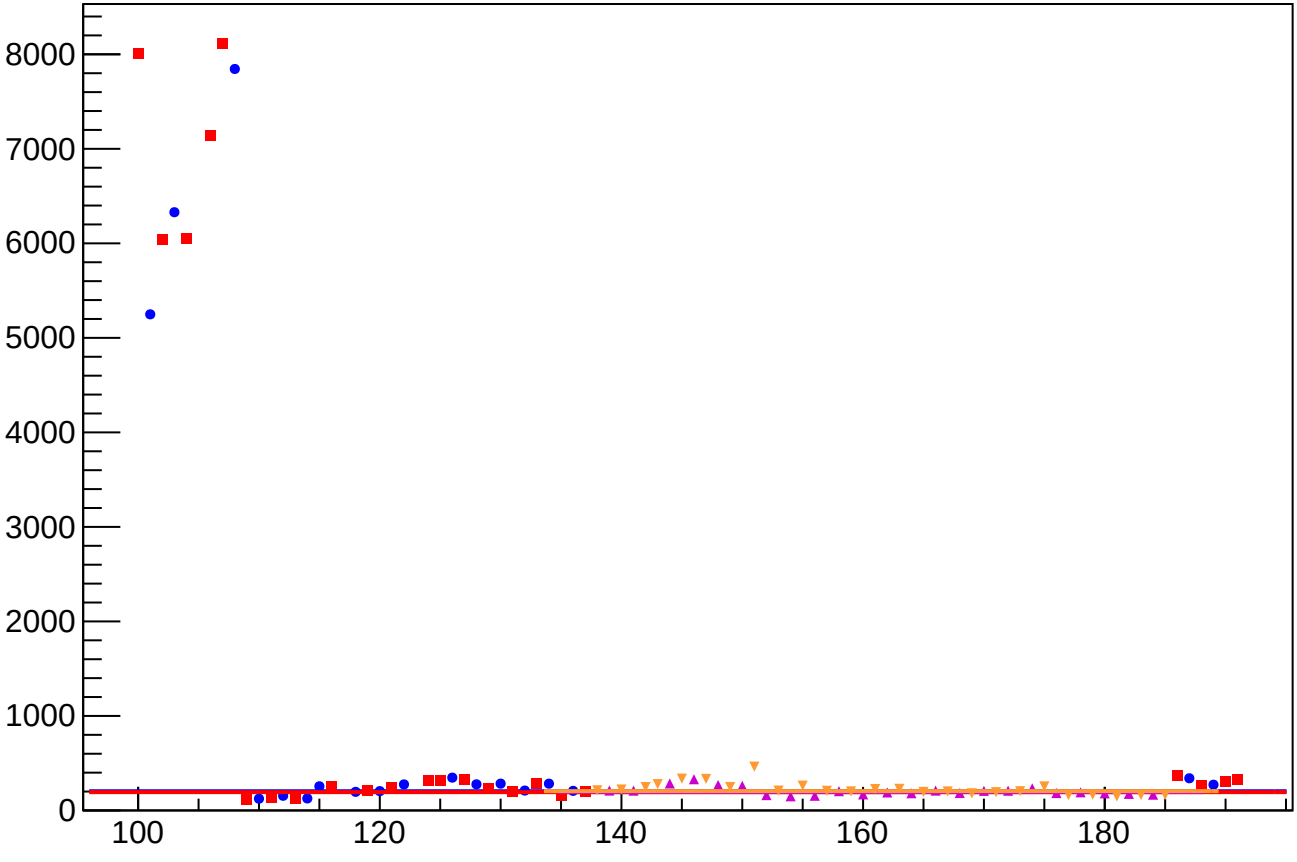
Left In: -119.345+/-46.957 χ^2/NDF:9.3/22

+ sign 68.443+/-41.962 χ^2/NDF: 33.0/42

All: -0.144+/-28.933 χ^2/NDF: 68.3/88

- sign -62.298+/-39.946 χ^2/NDF: 30.1/45

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: 193.758+/-0.054 χ^2/NDF: 4967191.4/22

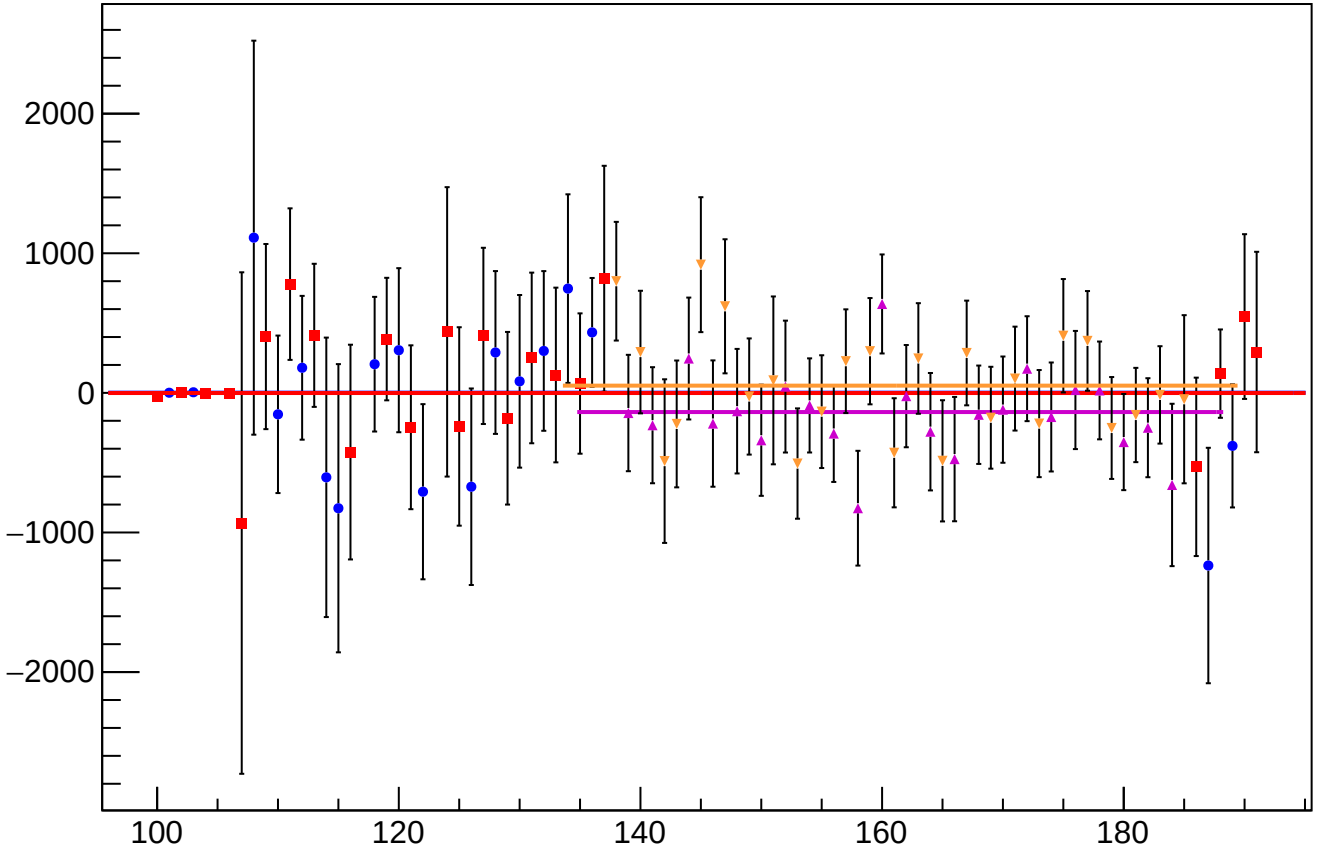
Left In: 193.895+/-0.033 χ^2/NDF:1191589.3/22

+ sign 204.225+/-0.030 χ^2/NDF: 6069653.9/42

All: 198.786+/-0.020 χ^2/NDF: 12292481.1/88

- sign 193.857+/-0.028 χ^2/NDF: 6158785.4/45

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: -1.088+/-1.528 χ^2/NDF: 11.1/22

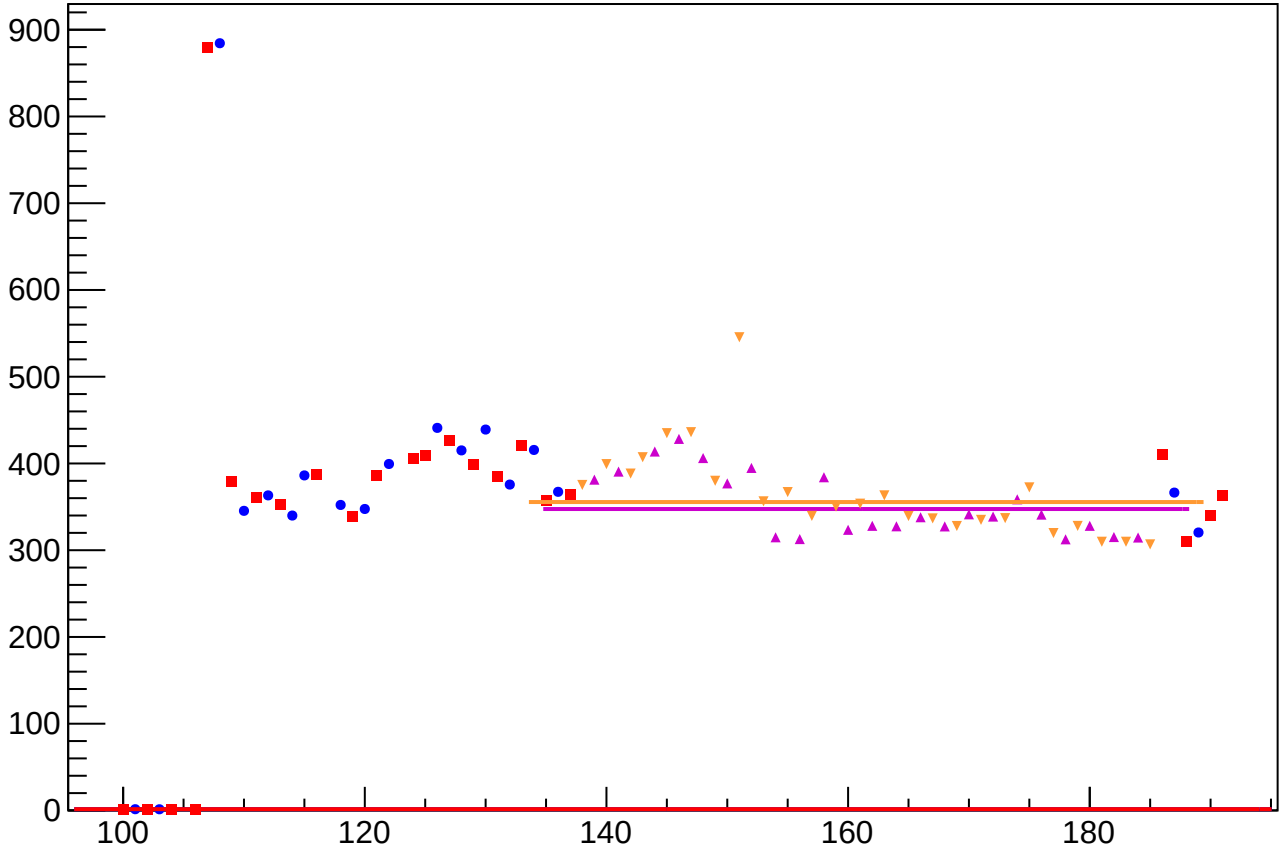
Left In: -137.399+/-82.111 χ^2/NDF:12.2/22

+ sign 1.466+/-1.660 χ^2/NDF: 30.6/42

All: 0.057+/-1.124 χ^2/NDF: 57.9/88

- sign -1.136+/-1.528 χ^2/NDF: 26.0/45

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: 1.481+/-0.001 χ^2/NDF: 15153821.7/22

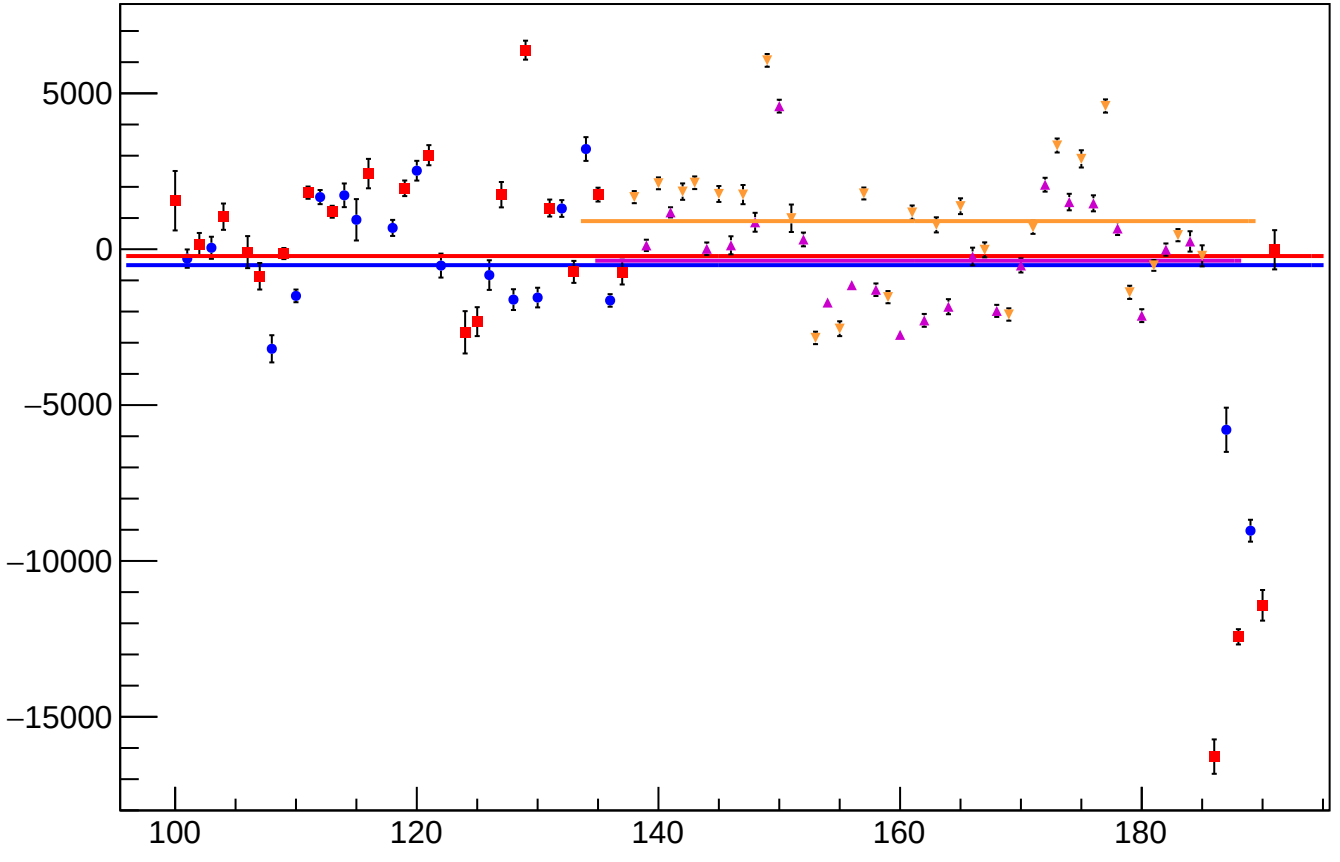
Left In: 347.484+/-0.058 χ^2/NDF:344530.3/22

+ sign 1.623+/-0.001 χ^2/NDF: 51364315.3/42

All: 1.611+/-0.001 χ^2/NDF: 102363697.1/88

- sign 1.600+/-0.001 χ^2/NDF: 50999183.5/45

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: -219.234+/-65.029 χ^2/NDF: 4874.8/22

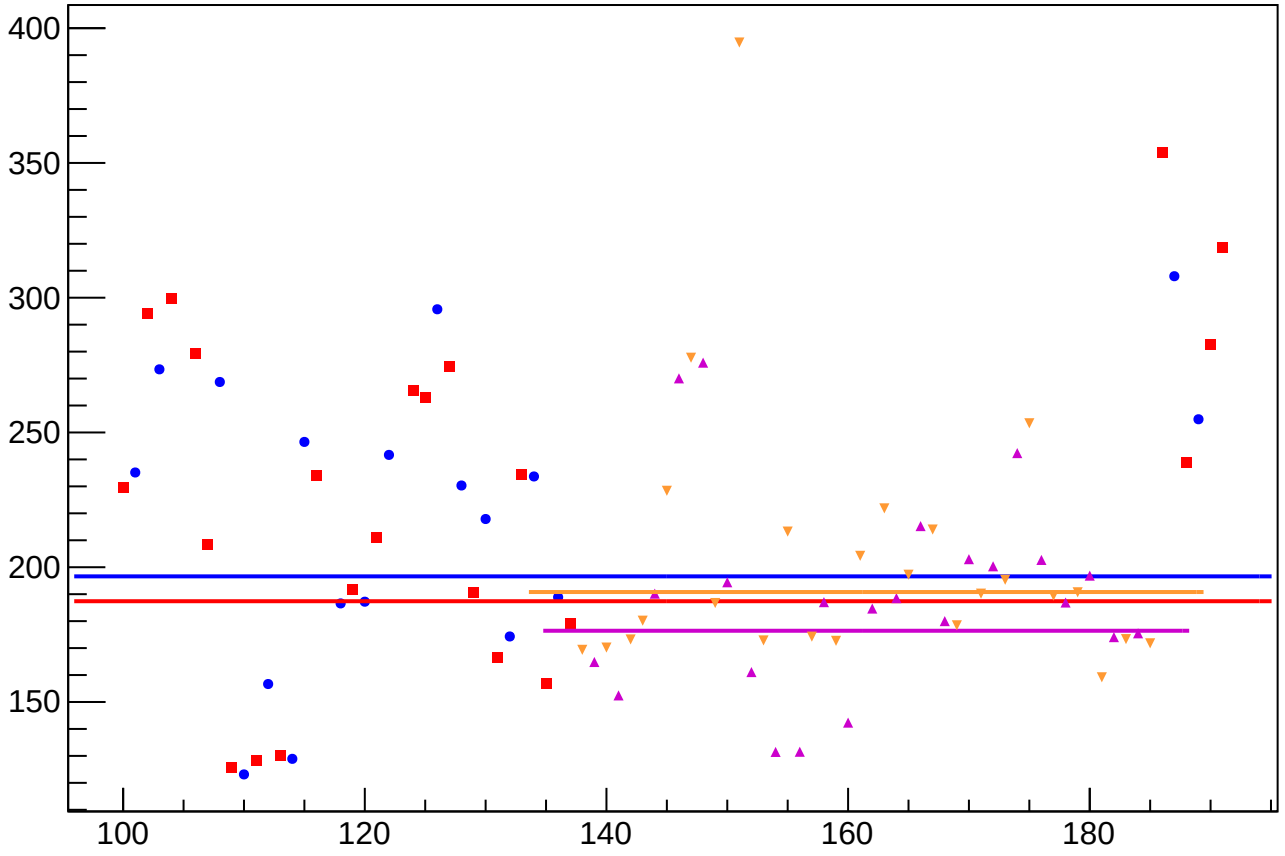
Left In: -368.252+/-42.700 χ^2/NDF:1593.0/22

+ sign 517.922+/-37.965 χ^2/NDF: 3833.4/42

All: 71.350+/-26.005 χ^2/NDF: 10565.6/88

- sign -323.358+/-35.693 χ^2/NDF: 6471.5/45

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: 187.389+/-0.046 χ^2/NDF: 1701410.4/22

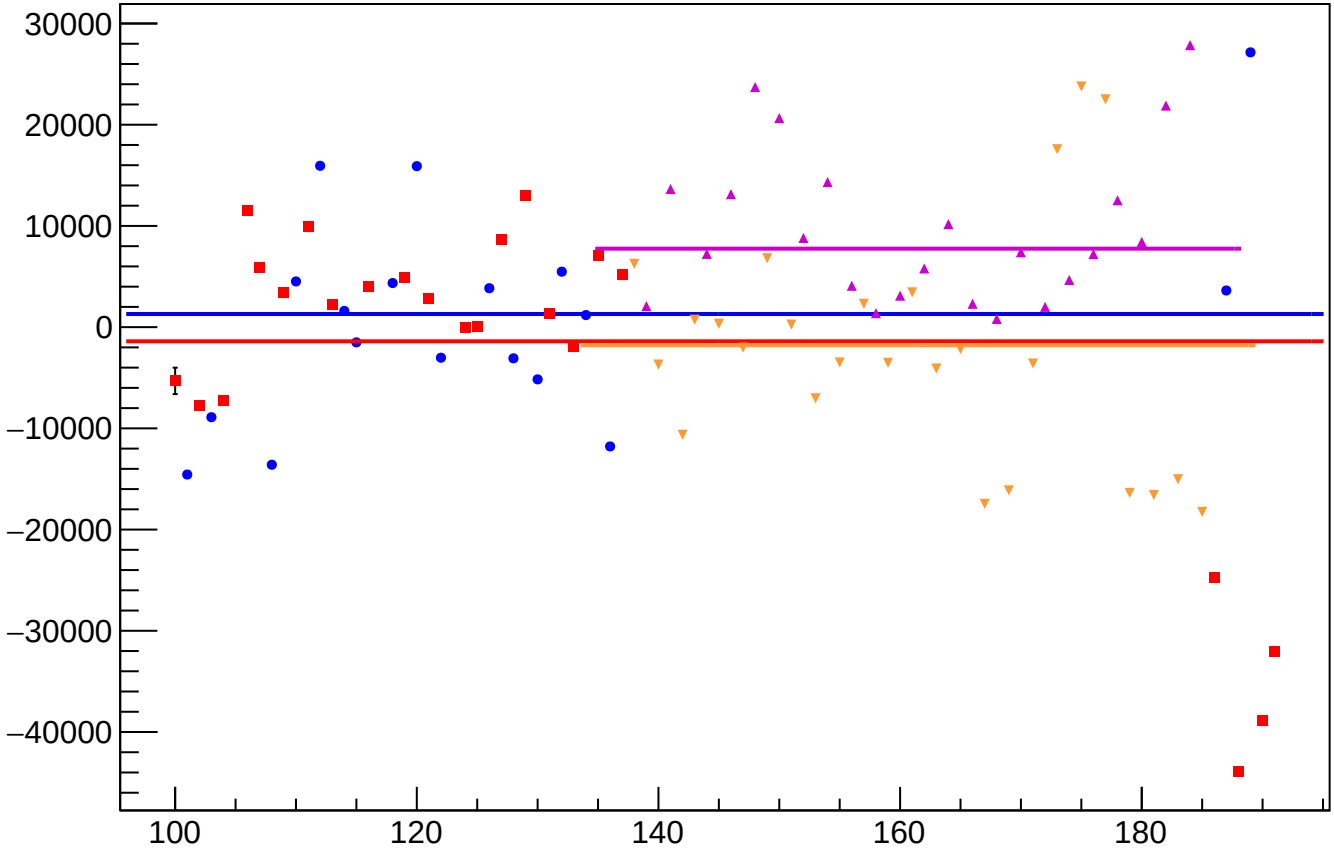
Left In: 176.431+/-0.030 χ^2/NDF:1257661.0/22

+ sign 192.378+/-0.027 χ^2/NDF: 1897795.2/42

All: 185.666+/-0.018 χ^2/NDF: 5014336.8/88

- sign 179.732+/-0.025 χ^2/NDF: 2998748.0/45

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: -1399.635+/-48.194 χ^2/NDF: 106213.2/22

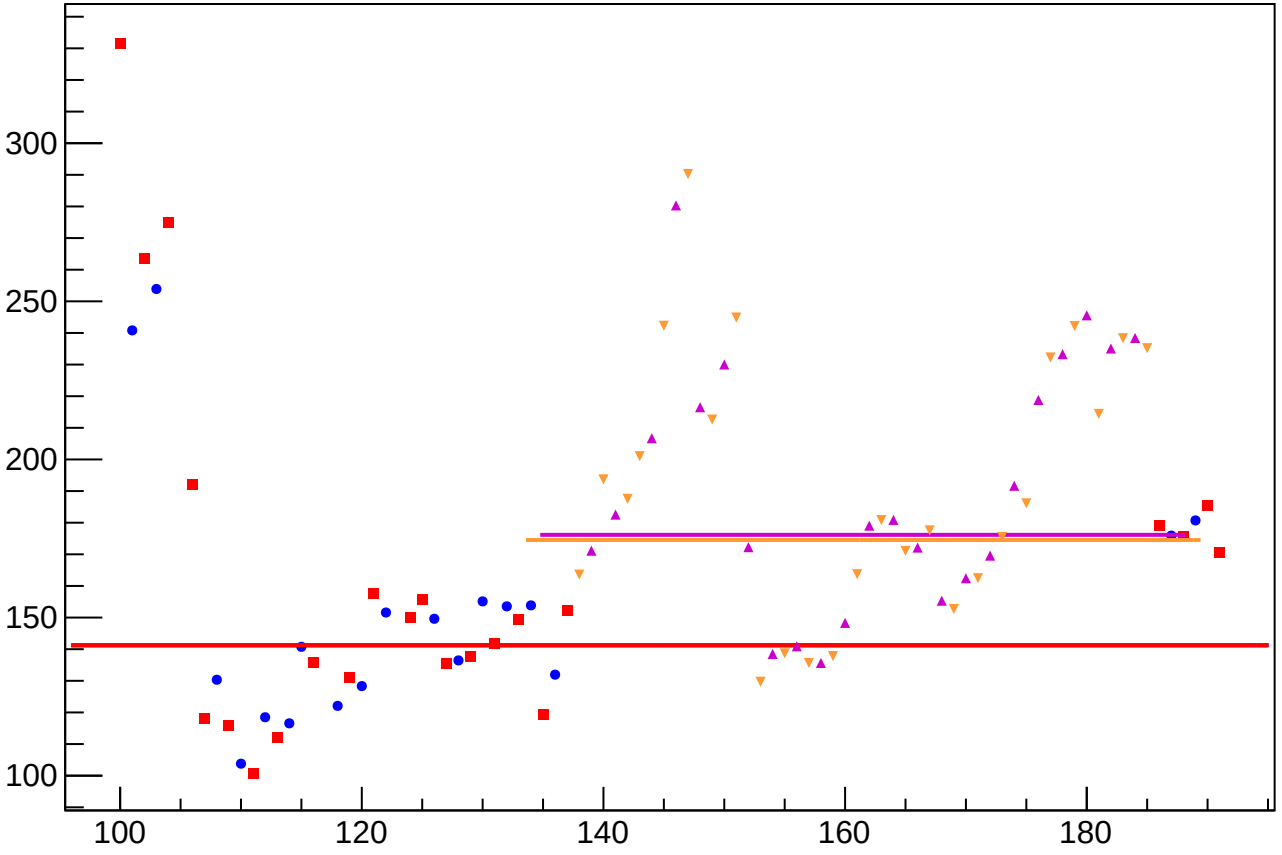
Left In: 7754.468+/-42.571 χ^2/NDF:23278.0/22

+ sign -623.562+/-32.274 χ^2/NDF: 109967.0/42

All: 1584.442+/-22.690 χ^2/NDF: 268978.5/88

- sign 3742.374+/-31.906 χ^2/NDF: 149756.7/45

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: 141.280+/-0.034 χ^2/NDF: 1078491.2/22

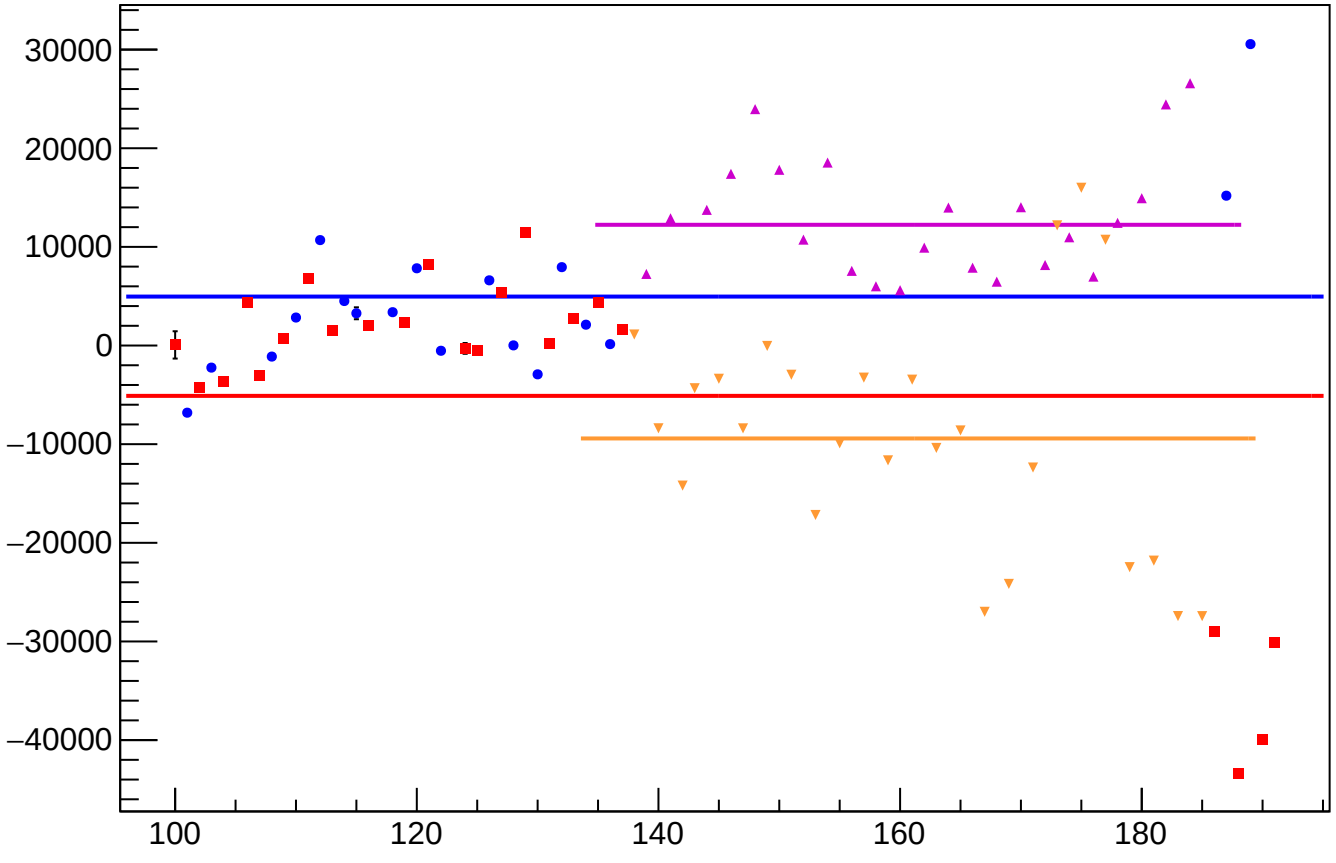
Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

+ sign 161.935+/-0.023 χ^2/NDF: 2887423.3/42

All: 161.396+/-0.016 χ^2/NDF: 5922329.3/88

- sign 160.870+/-0.023 χ^2/NDF: 3033803.4/45

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: -5103.221+/-58.463 χ^2/NDF: 84614.5/22

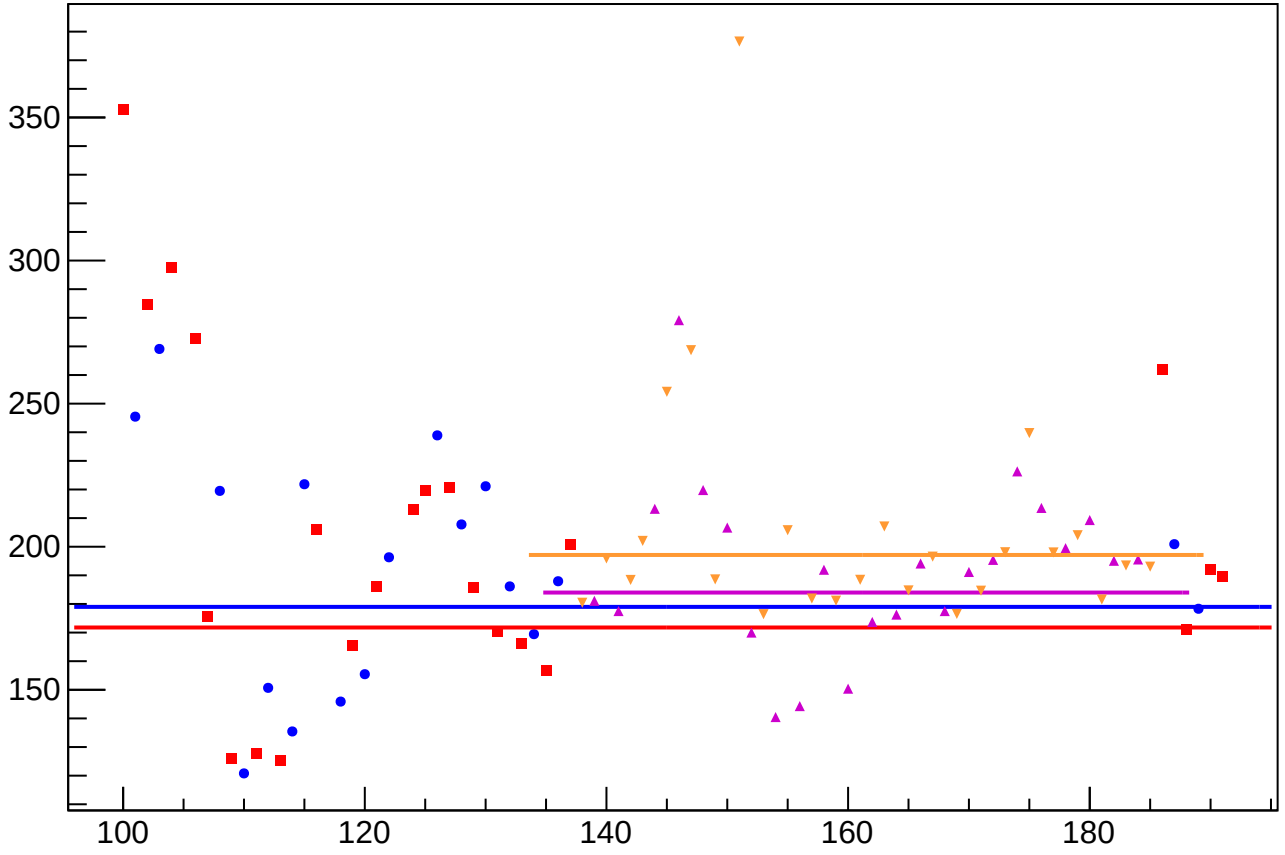
Left In: 12238.678+/-44.195 χ^2/NDF:16015.8/22

+ sign -4758.572+/-37.570 χ^2/NDF: 113241.8/42

All: 926.289+/-25.708 χ^2/NDF: 312923.4/88

- sign 5932.289+/-35.255 χ^2/NDF: 156622.9/45

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: 171.775+/-0.041 χ^2/NDF: 1094041.7/22

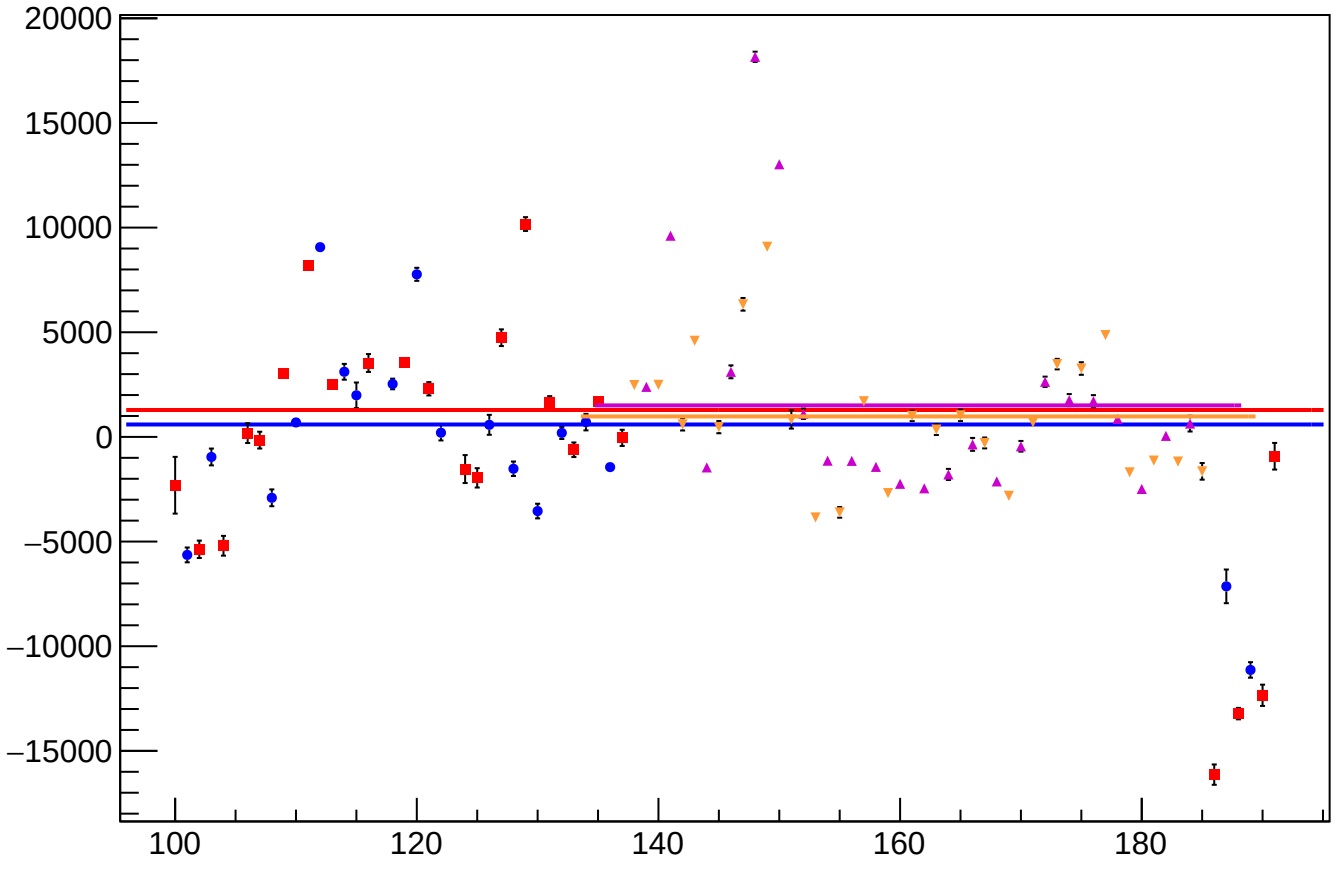
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 191.242+/-0.027 χ^2/NDF: 1513846.0/42

All: 185.022+/-0.018 χ^2/NDF: 3596278.9/88

- sign 179.545+/-0.025 χ^2/NDF: 1979340.7/45

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: 1285.938+/-65.492 χ^2/NDF: 7790.2/22

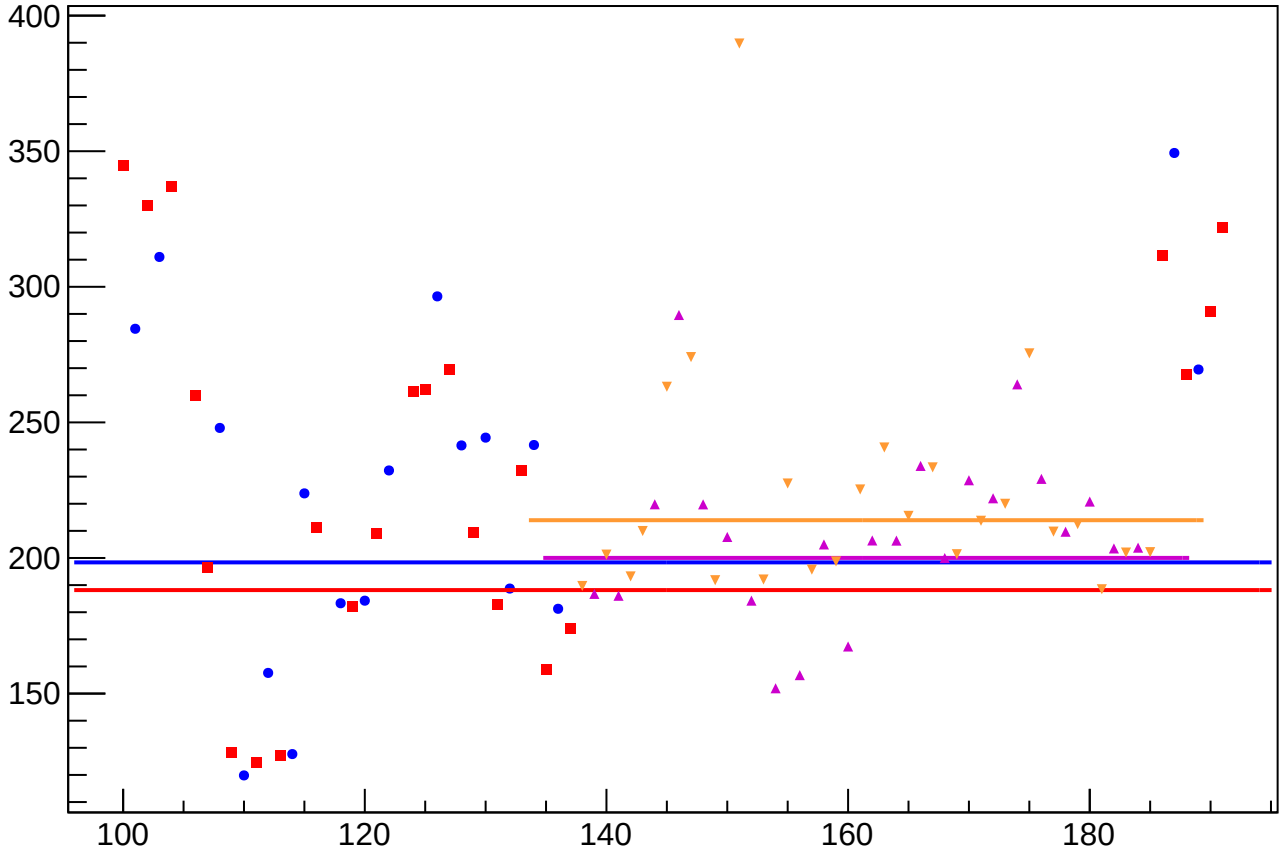
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

+ sign 859.275+/-41.222 χ^2/NDF: 8142.7/42

All: 1161.473+/-28.231 χ^2/NDF: 27522.0/88

- sign 1428.405+/-38.742 χ^2/NDF: 19278.1/45

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: 188.164+/-0.046 χ^2/NDF: 1877824.0/22

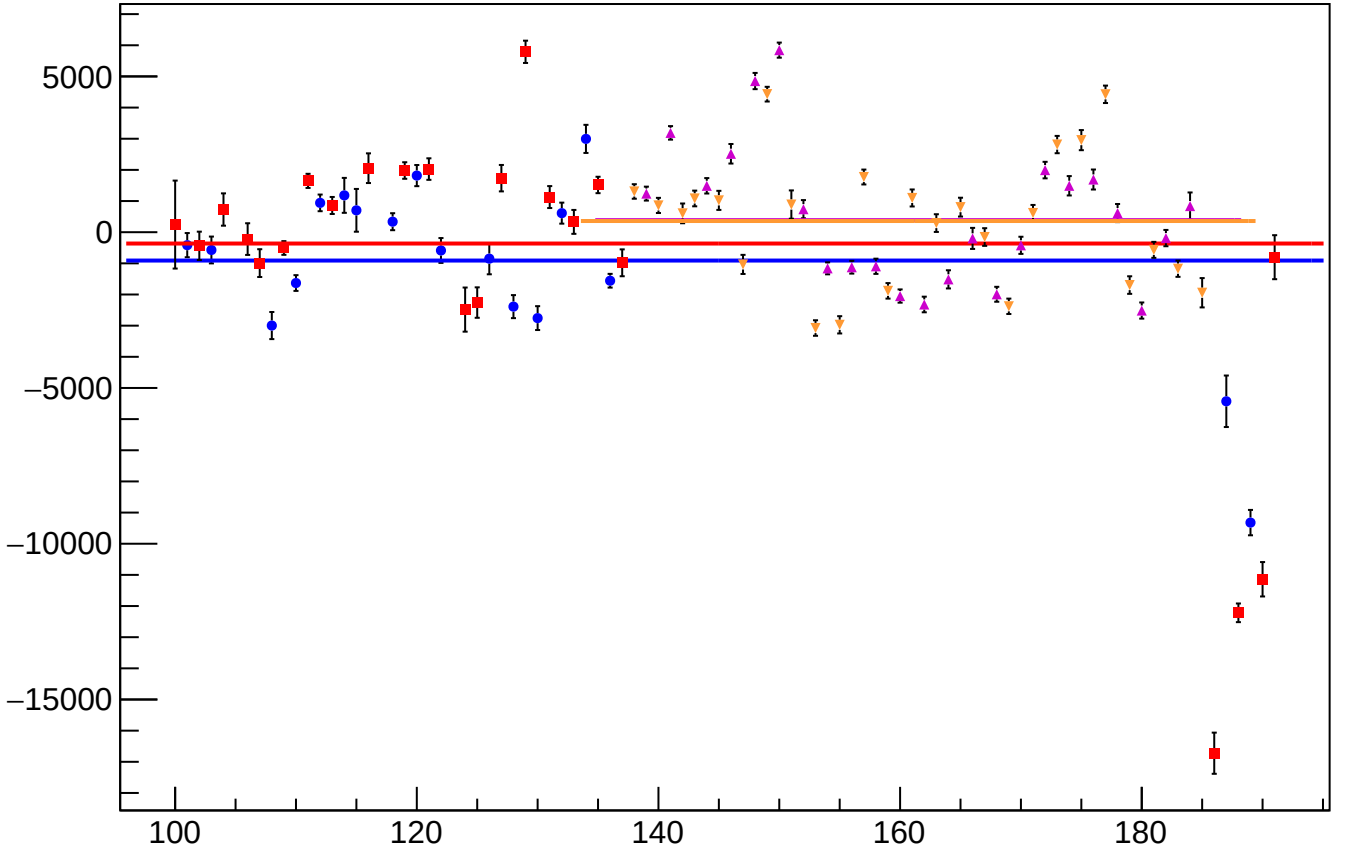
Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 209.118+/-0.029 χ^2/NDF: 1910607.5/42

All: 202.088+/-0.020 χ^2/NDF: 4726191.7/88

- sign 195.878+/-0.027 χ^2/NDF: 2706034.5/45

asym_bpm0i07WS_mean vs Slug



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: -363.876+/-76.396 χ^2/NDF: 3235.8/22

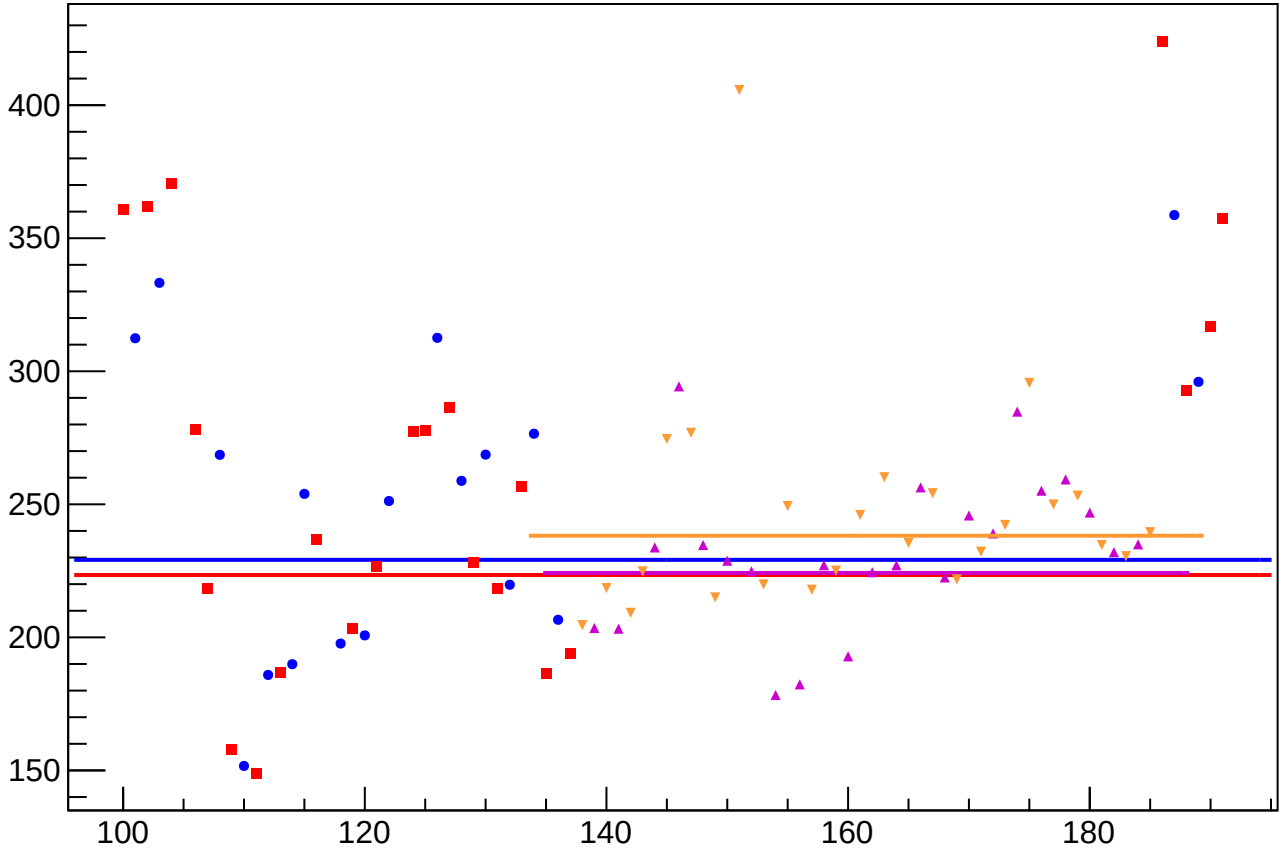
Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

+ sign -19.789+/-46.065 χ^2/NDF: 2364.3/42

All: 63.910+/-31.756 χ^2/NDF: 7475.3/88

- sign 139.712+/-43.838 χ^2/NDF: 5104.8/45

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: 223.443+/-0.054 χ^2/NDF: 1396374.0/22

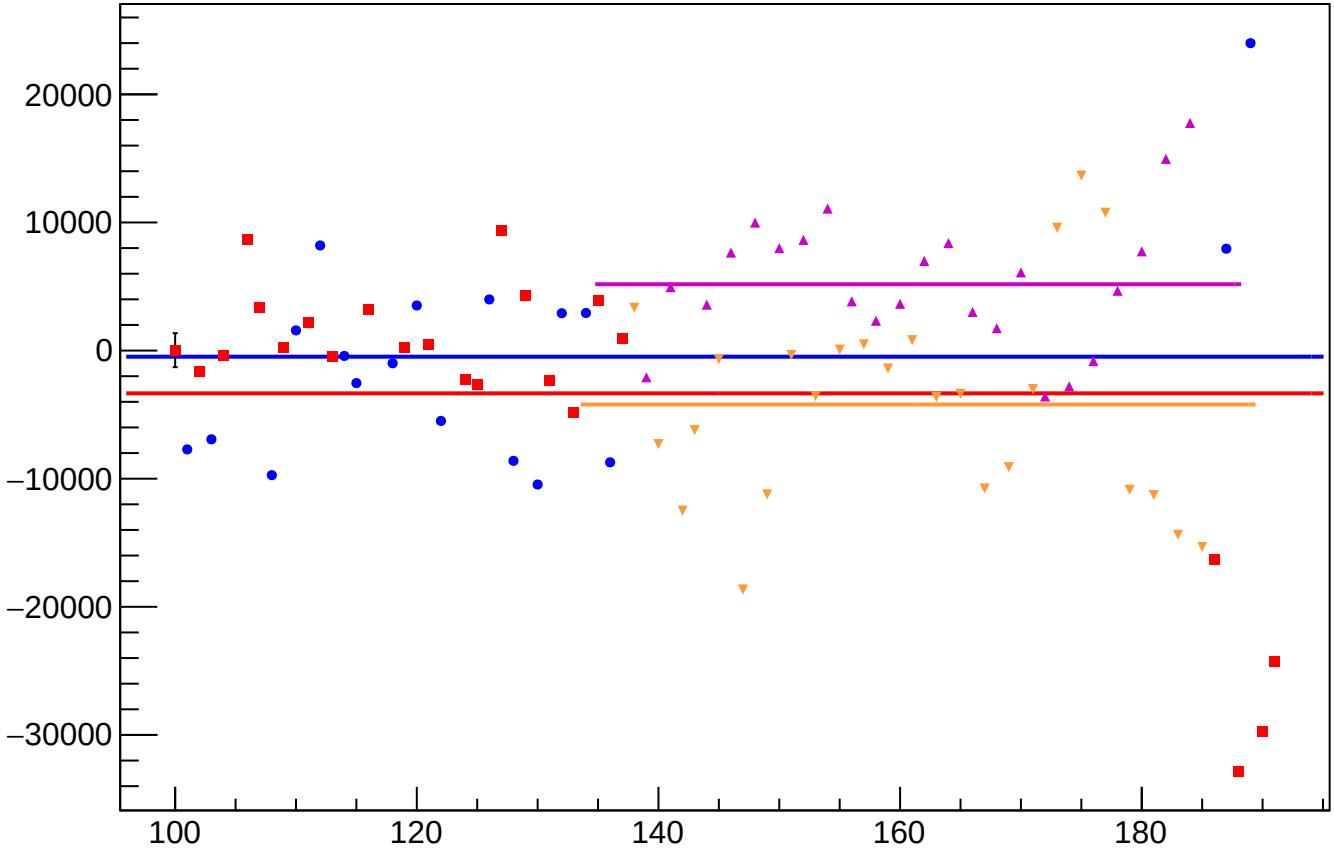
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 235.496+/-0.033 χ^2/NDF: 1345701.0/42

All: 229.442+/-0.022 χ^2/NDF: 3371280.3/88

- sign 223.959+/-0.031 χ^2/NDF: 1959741.1/45

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: -3338.017+/-40.924 χ^2/NDF: 80268.8/22

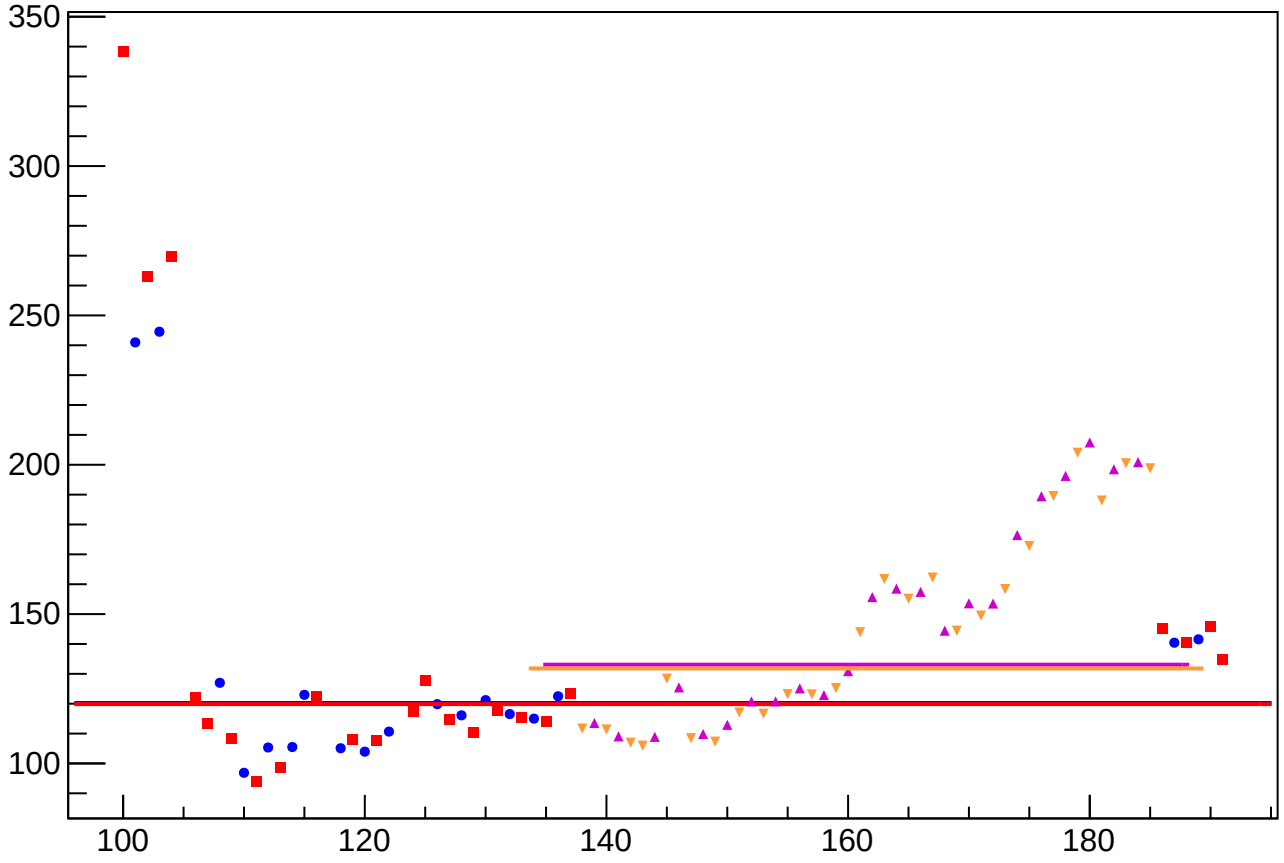
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

+ sign -3018.276+/-25.433 χ^2/NDF: 95632.0/42

All: -510.236+/-17.899 χ^2/NDF: 240601.9/88

- sign 1950.716+/-25.193 χ^2/NDF: 125703.5/45

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: 119.862+/-0.029 χ^2/NDF: 974976.2/22

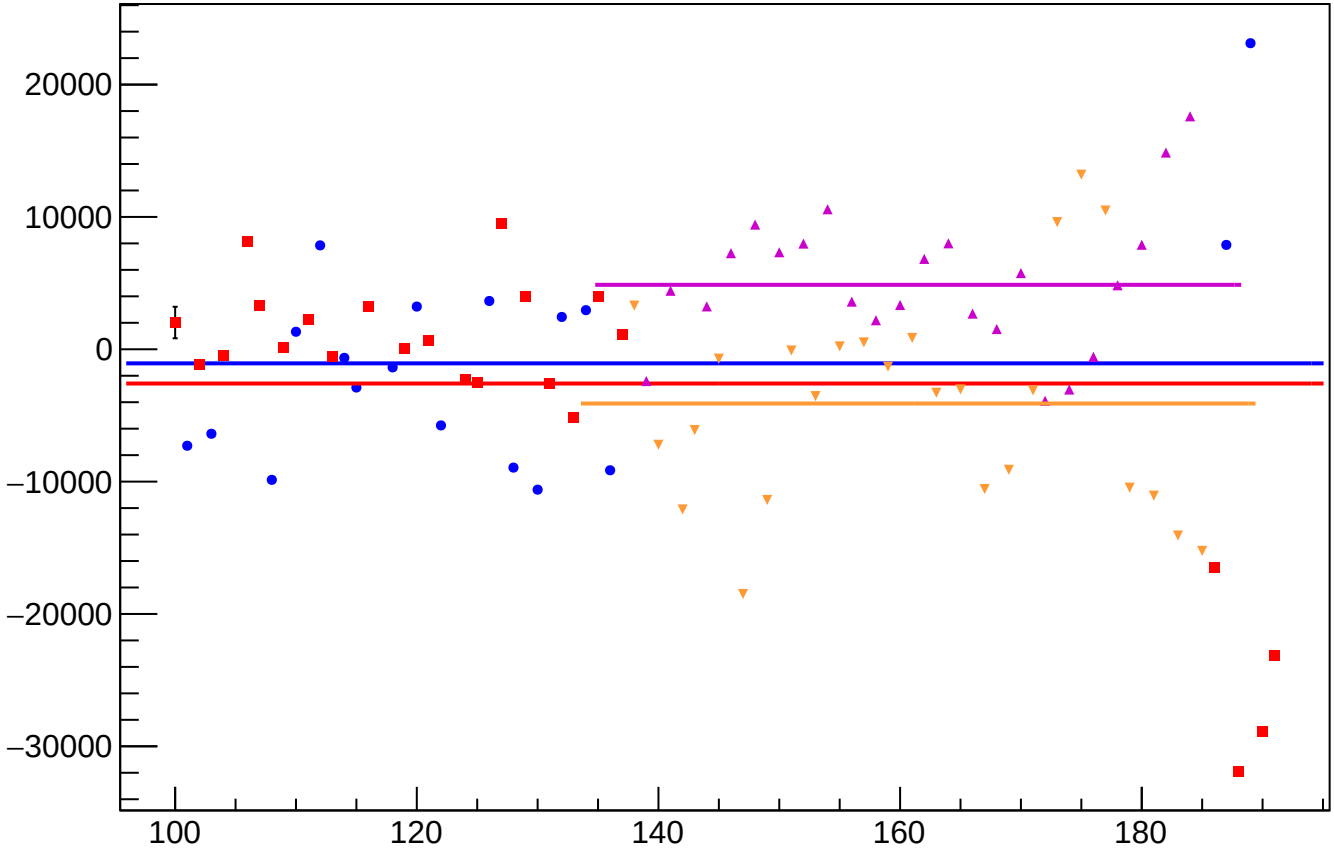
Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 128.104+/-0.018 χ^2/NDF: 2402378.4/42

All: 128.081+/-0.013 χ^2/NDF: 4924821.0/88

- sign 128.059+/-0.018 χ^2/NDF: 2522439.4/45

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: -2587.875+/-36.499 χ^2/NDF: 85507.5/22

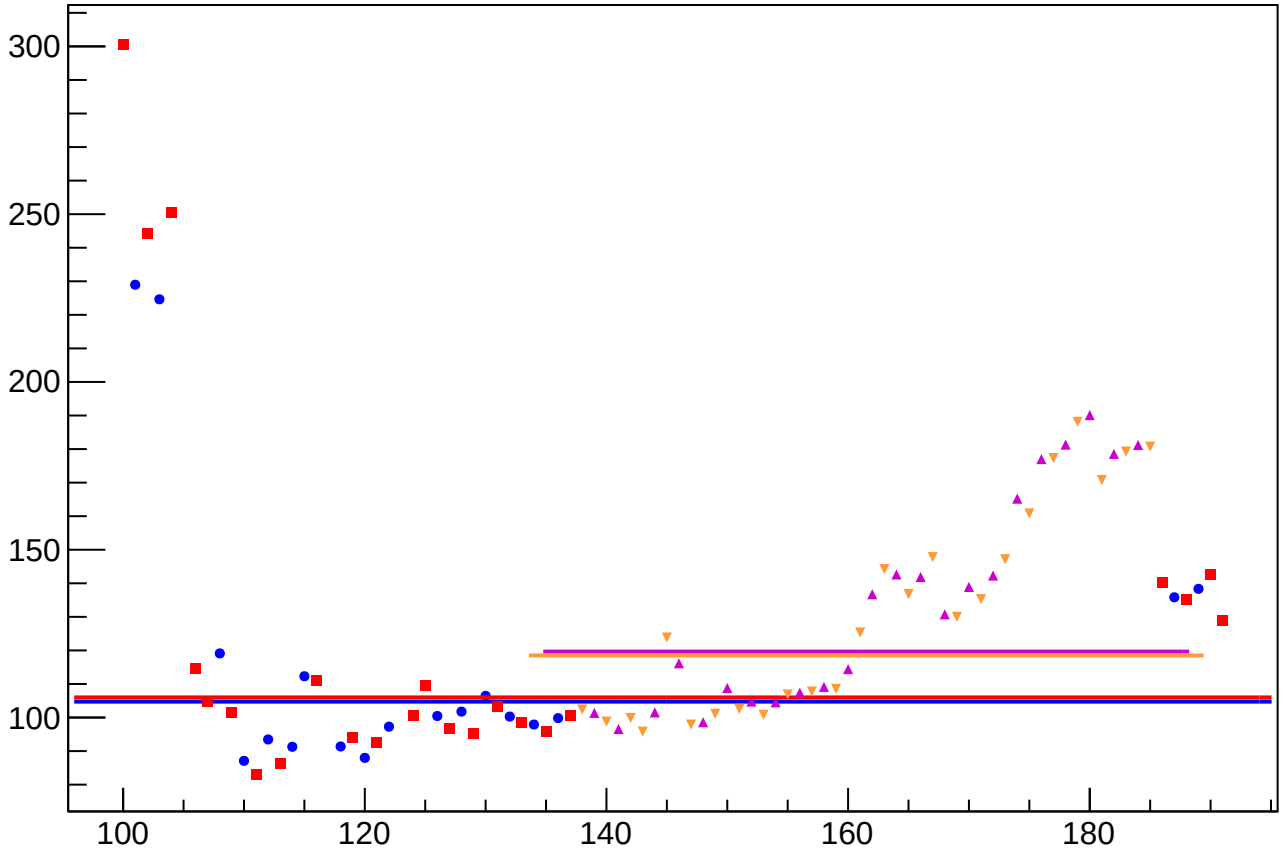
Left In: 4869.740+/-28.809 χ^2/NDF:21913.6/22

+ sign -3095.631+/-22.723 χ^2/NDF: 109625.8/42

All: -531.960+/-16.029 χ^2/NDF: 268105.9/88

- sign 2007.044+/-22.613 χ^2/NDF: 133144.3/45

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: 105.995+/-0.026 χ^2/NDF: 1159769.5/22

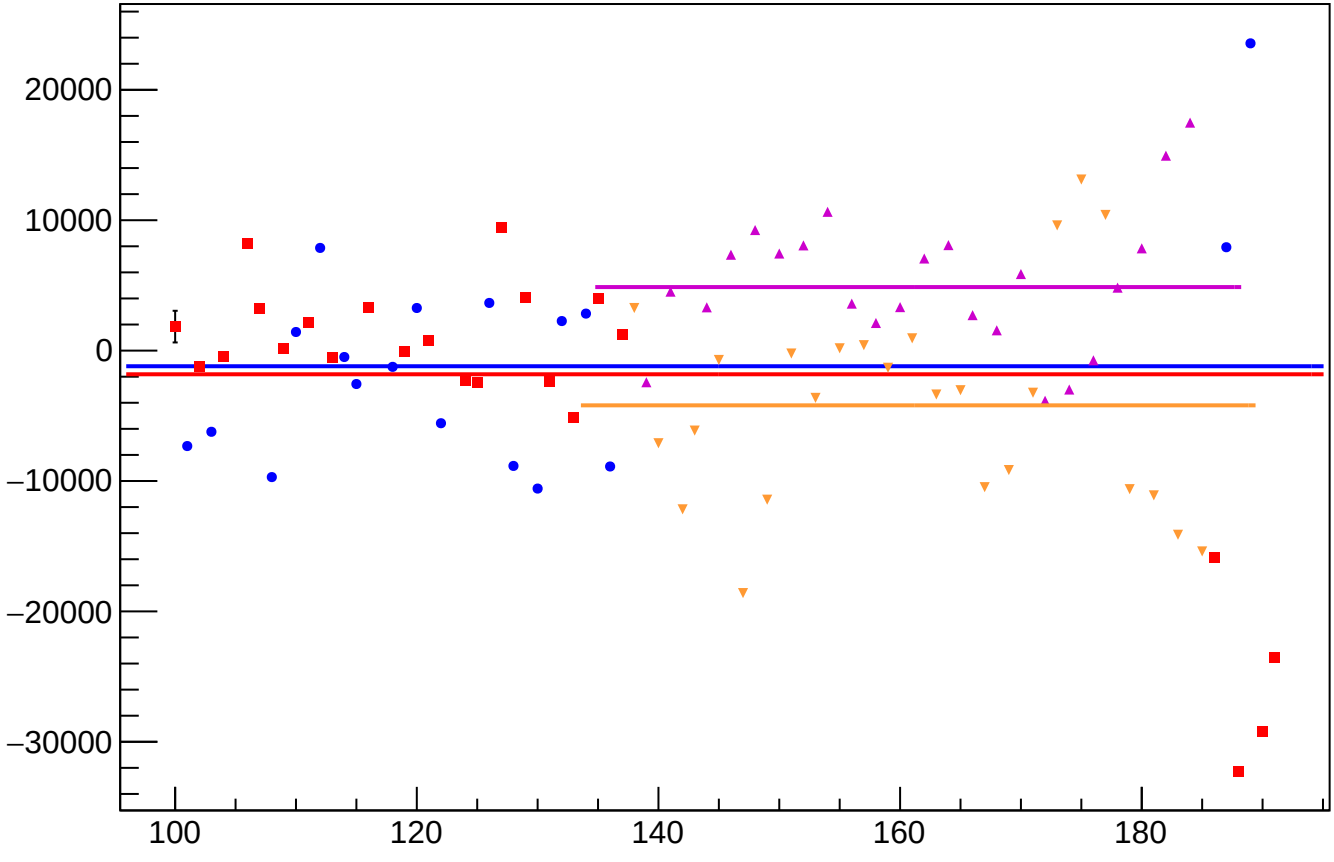
Left In: 119.645+/-0.020 χ^2/NDF:1512380.5/22

+ sign 113.953+/-0.016 χ^2/NDF: 2701634.3/42

All: 114.180+/-0.011 χ^2/NDF: 5546542.1/88

- sign 114.405+/-0.016 χ^2/NDF: 2844511.0/45

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: -1814.987+/-35.409 χ^2/NDF: 77829.9/22

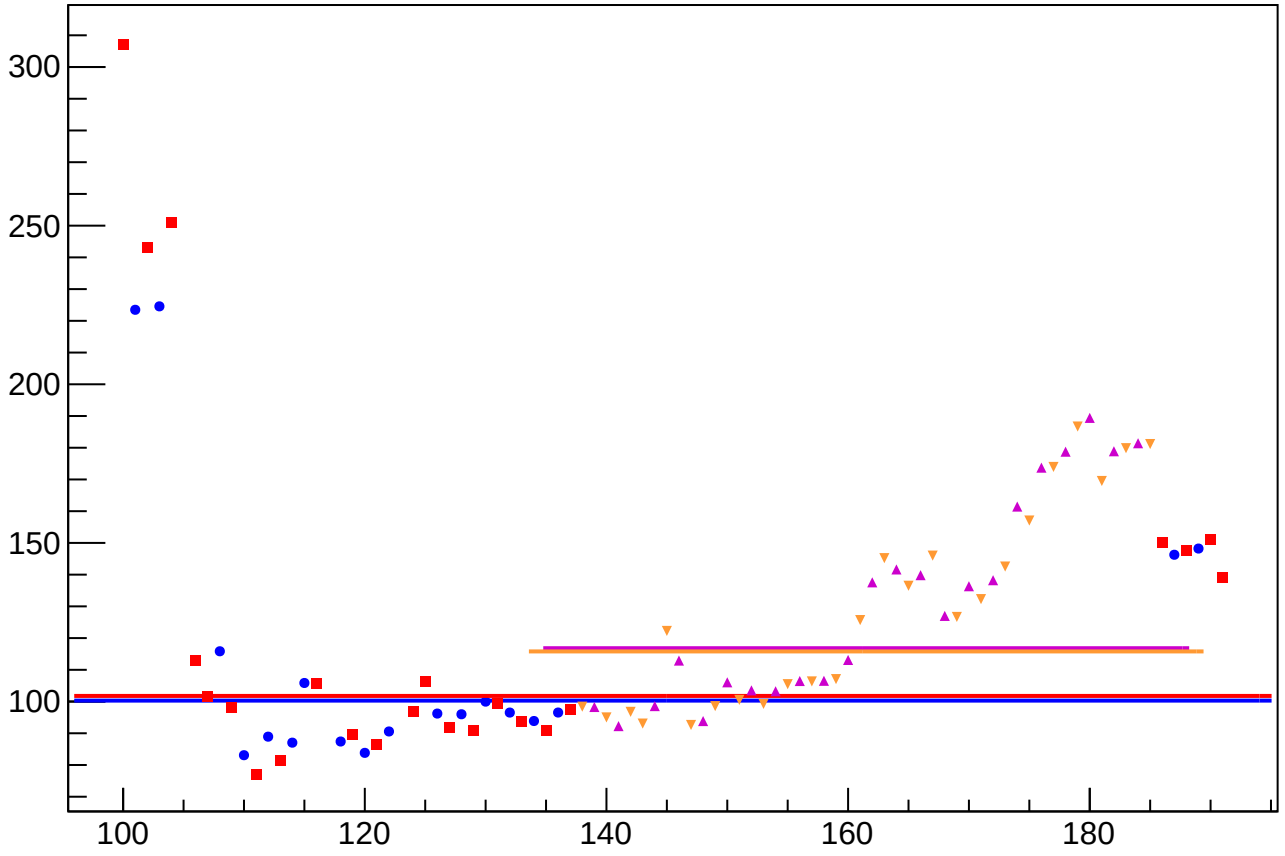
Left In: 4873.124+/-28.200 χ^2/NDF:22923.8/22

+ sign -3184.622+/-22.144 χ^2/NDF: 113554.2/42

All: -443.105+/-15.628 χ^2/NDF: 266674.6/88

- sign 2277.446+/-22.059 χ^2/NDF: 122583.3/45

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: 101.770+/-0.025 χ^2/NDF: 1434449.2/22

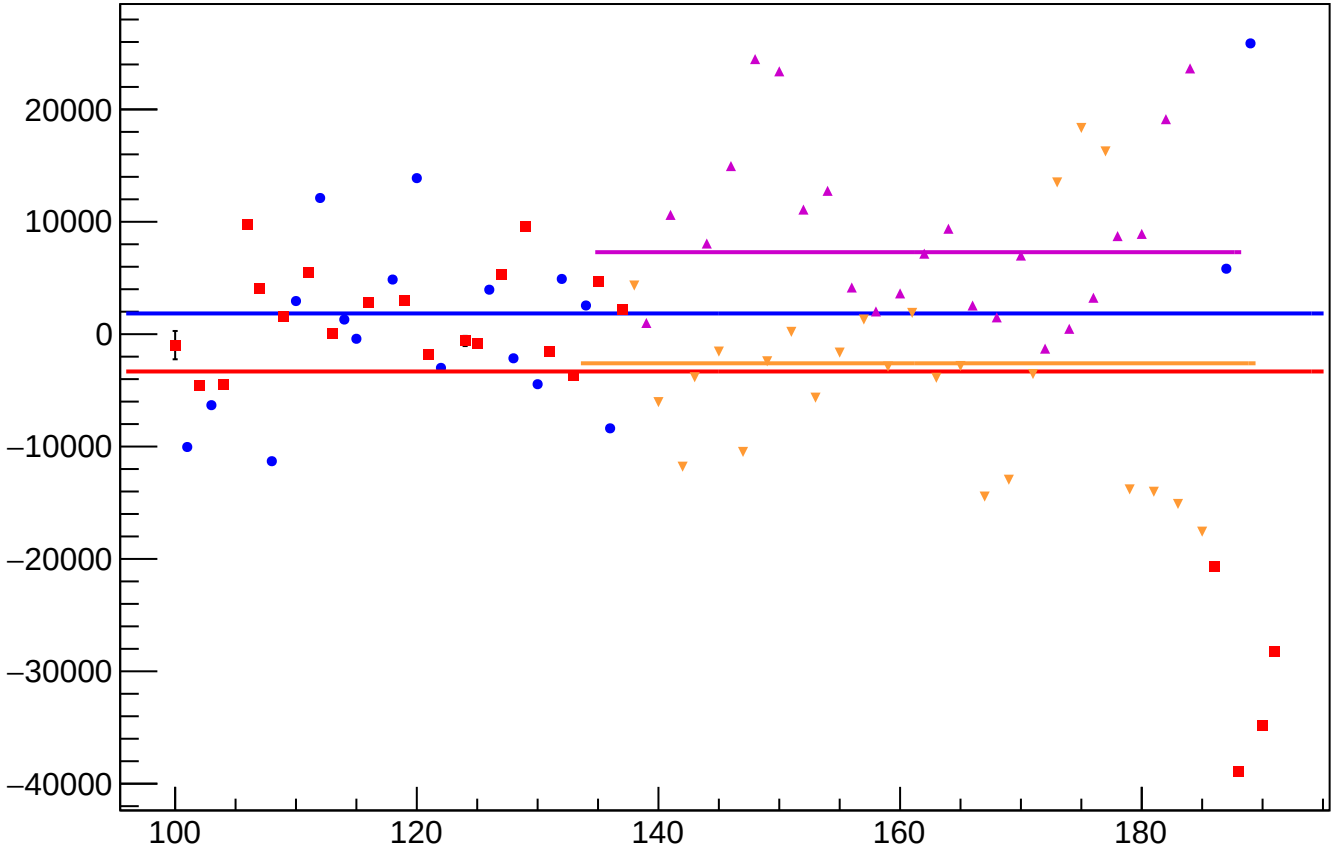
Left In: 116.808+/-0.020 χ^2/NDF:1617645.9/22

+ sign 110.562+/-0.016 χ^2/NDF: 2989997.6/42

All: 110.768+/-0.011 χ^2/NDF: 6263181.4/88

- sign 110.972+/-0.016 χ^2/NDF: 3272840.4/45

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: -3319.619+/-49.118 χ^2/NDF: 75892.5/22

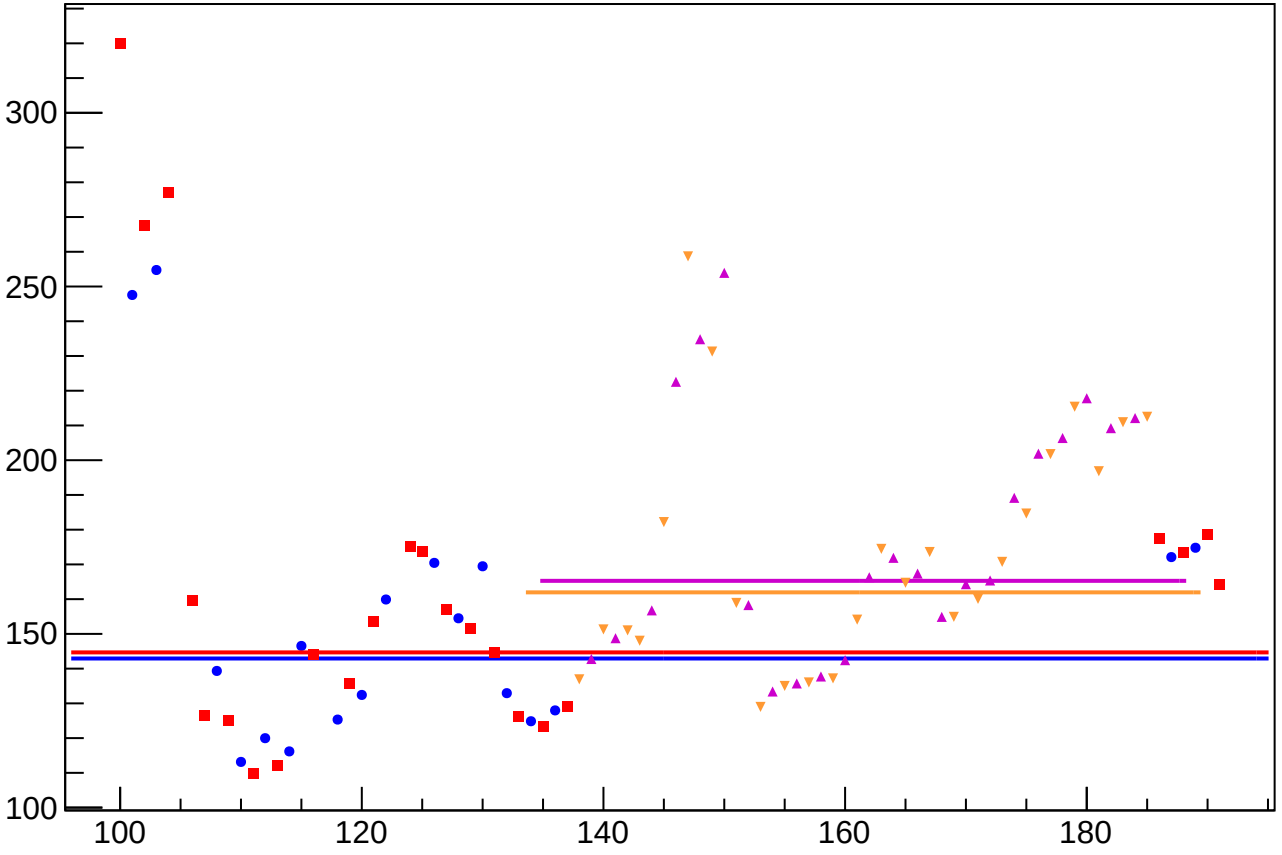
Left In: 7296.193+/-39.576 χ^2/NDF:24743.4/22

+ sign -1104.544+/-30.693 χ^2/NDF: 81797.9/42

All: 997.883+/-21.747 χ^2/NDF: 220179.8/88

- sign 3117.358+/-30.817 χ^2/NDF: 128959.7/45

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: 144.673+/-0.035 χ^2/NDF: 933819.3/22

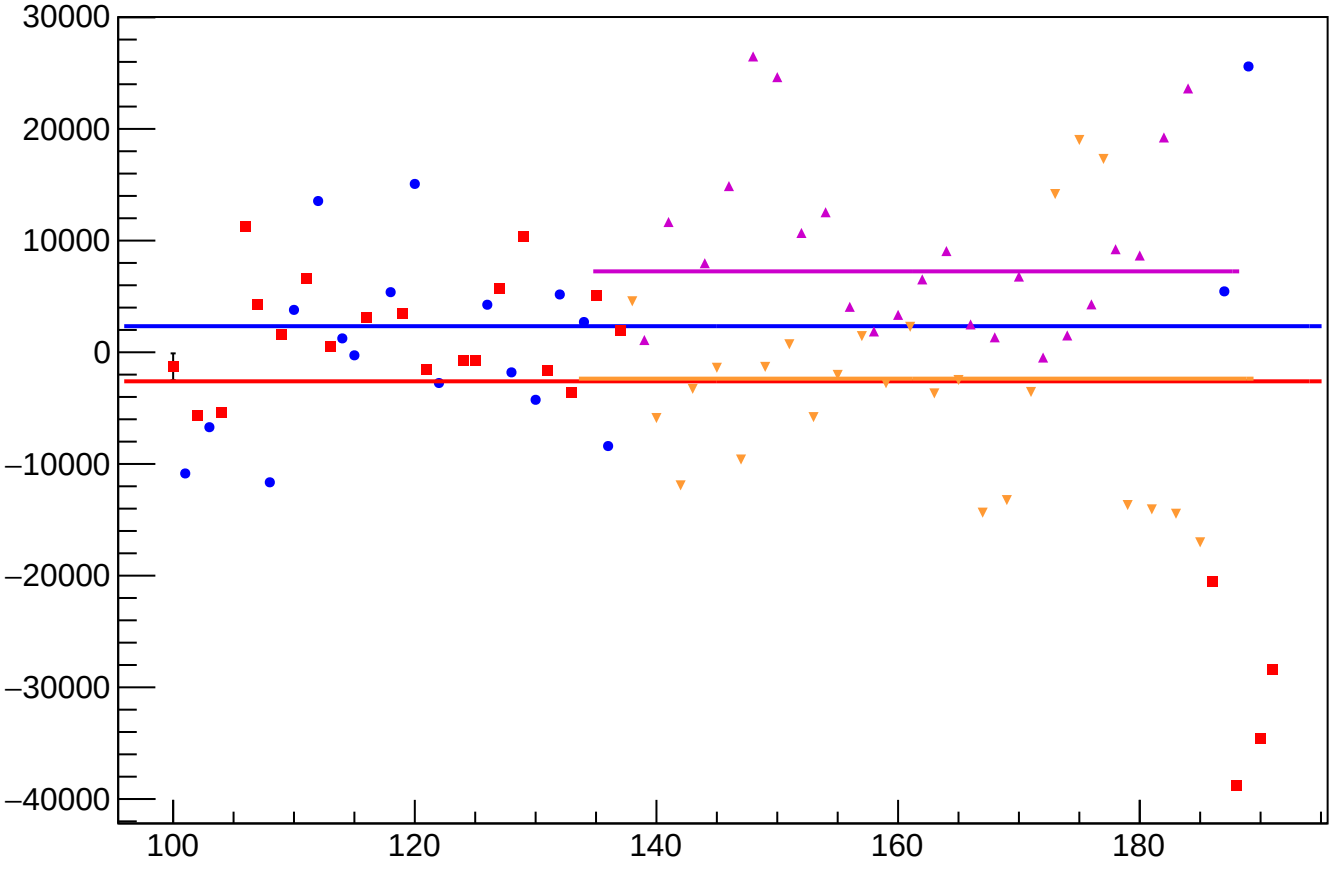
Left In: 165.273+/-0.028 χ^2/NDF:1179090.6/22

+ sign 155.574+/-0.022 χ^2/NDF: 2040799.0/42

All: 156.366+/-0.015 χ^2/NDF: 4369672.1/88

- sign 157.164+/-0.022 χ^2/NDF: 2326202.5/45

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: -2600.000+/-40.904 χ^2/NDF: 106738.7/22

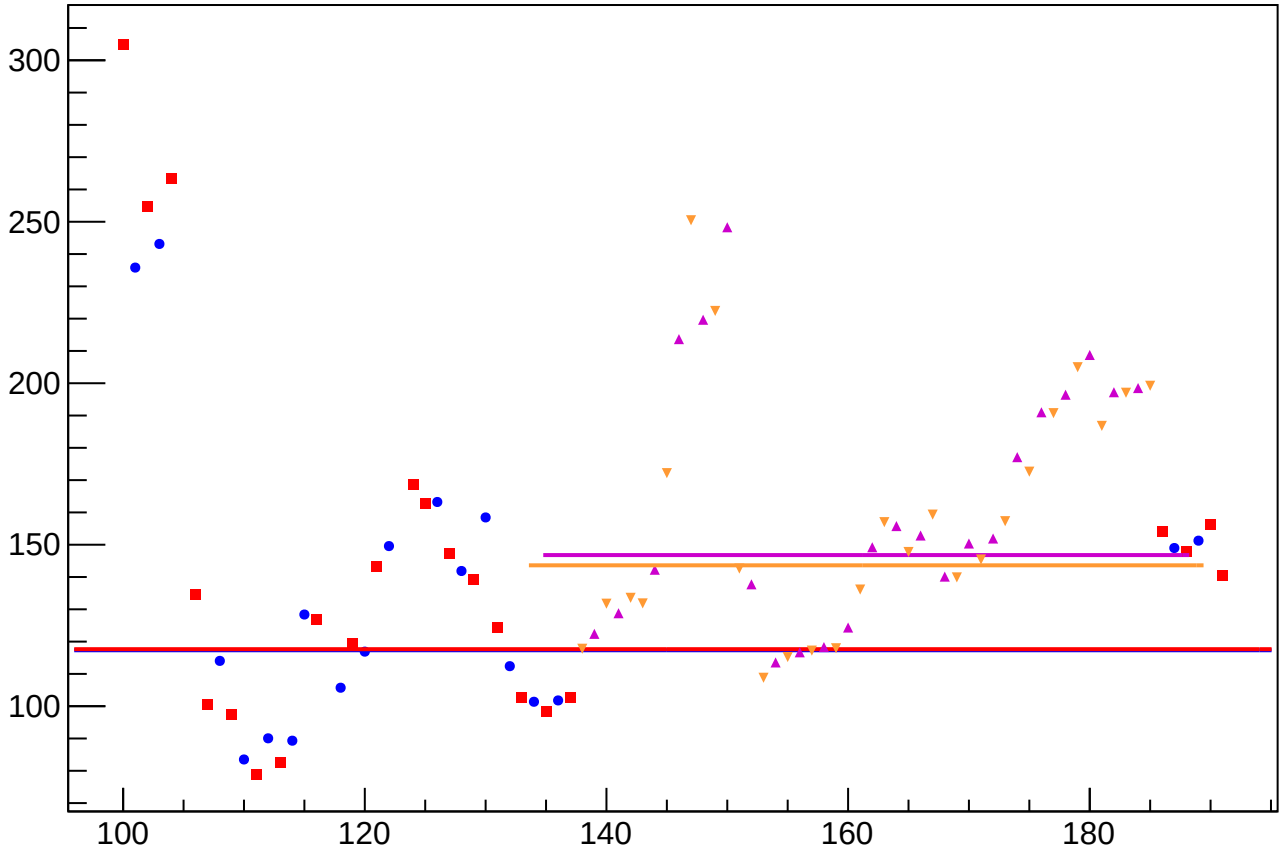
Left In: 7244.763+/-35.507 χ^2/NDF:30447.9/22

+ sign -649.375+/-26.853 χ^2/NDF: 109464.4/42

All: 1185.069+/-18.974 χ^2/NDF: 289006.1/88

- sign 3014.208+/-26.814 χ^2/NDF: 170221.3/45

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: 117.654+/-0.029 χ^2/NDF: 1537656.7/22

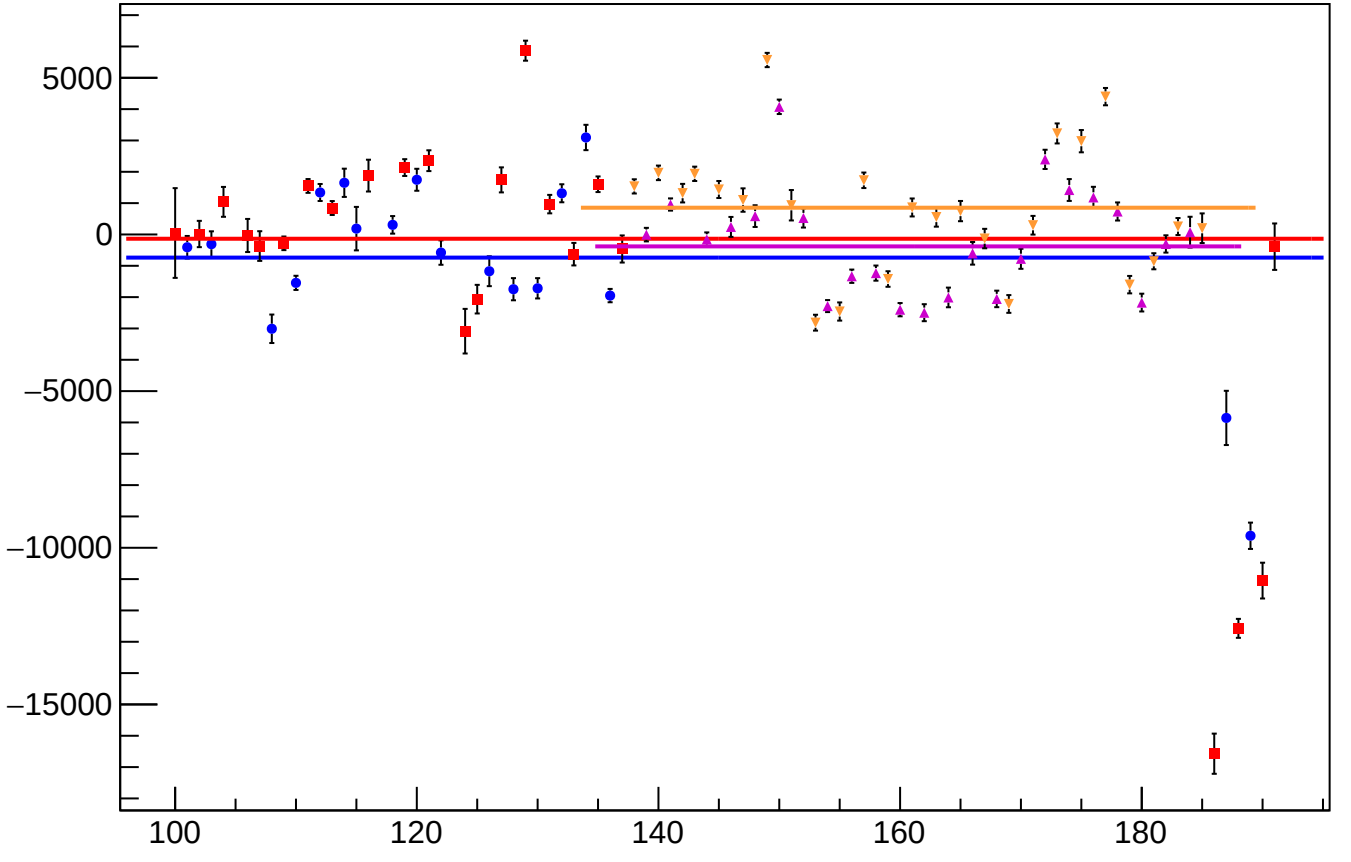
Left In: 146.793+/-0.025 χ^2/NDF:1694524.1/22

+ sign 134.040+/-0.019 χ^2/NDF: 3294162.4/42

All: 134.156+/-0.013 χ^2/NDF: 7105226.5/88

- sign 134.272+/-0.019 χ^2/NDF: 3810989.7/45

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: -136.561+/-72.669 χ^2/NDF: 3414.9/22

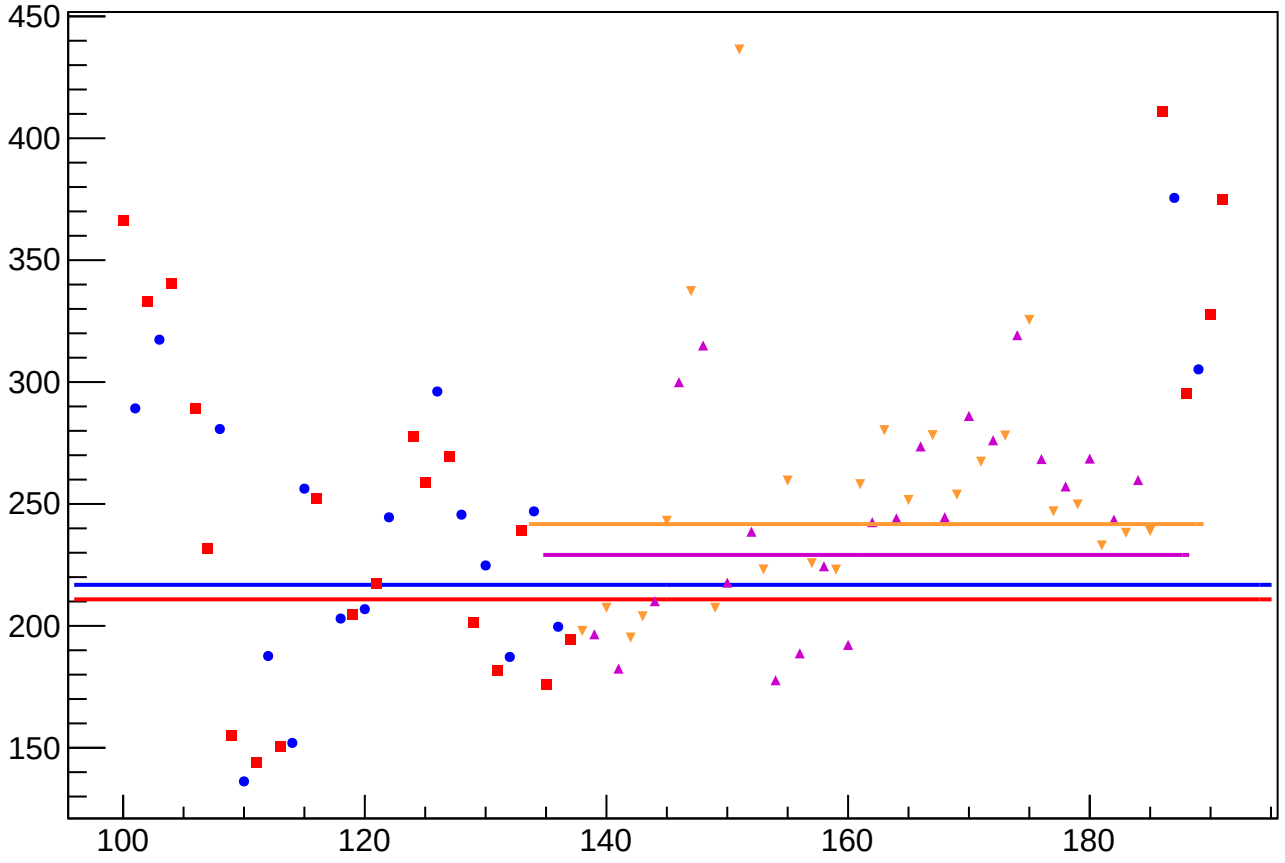
Left In: -380.865+/-55.135 χ^2/NDF:982.4/22

+ sign 329.576+/-46.057 χ^2/NDF: 2573.1/42

All: 4.267+/-31.786 χ^2/NDF: 7072.8/88

- sign -291.611+/-43.924 χ^2/NDF: 4404.4/45

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: 210.880+/-0.051 χ^2/NDF: 1556998.1/22

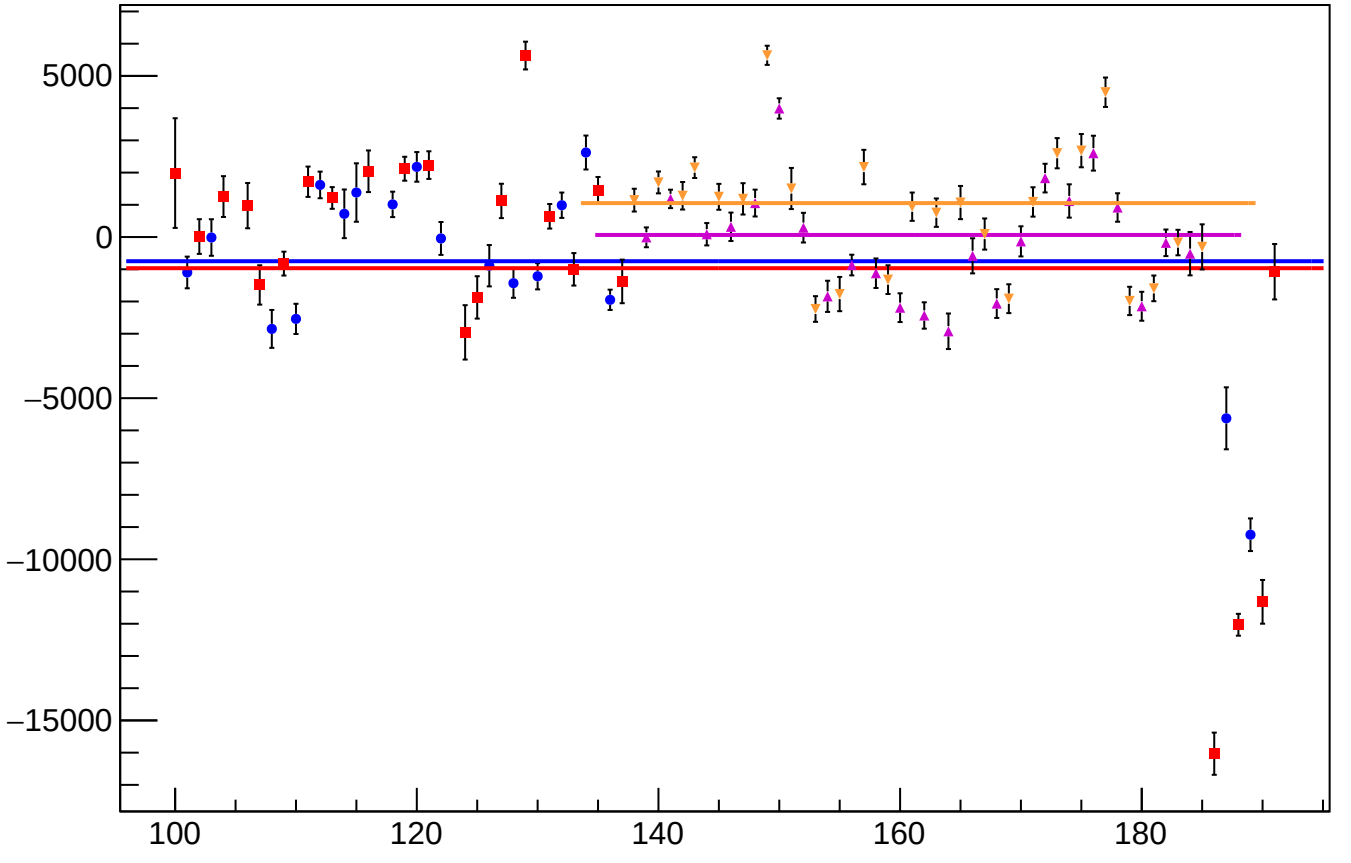
Left In: 229.103+/-0.039 χ^2/NDF:1068960.6/22

+ sign 233.543+/-0.033 χ^2/NDF: 1968560.2/42

All: 227.731+/-0.022 χ^2/NDF: 4735150.6/88

- sign 222.446+/-0.031 χ^2/NDF: 2705781.3/45

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: -966.942+/-103.856 χ^2/NDF: 2384.5/22

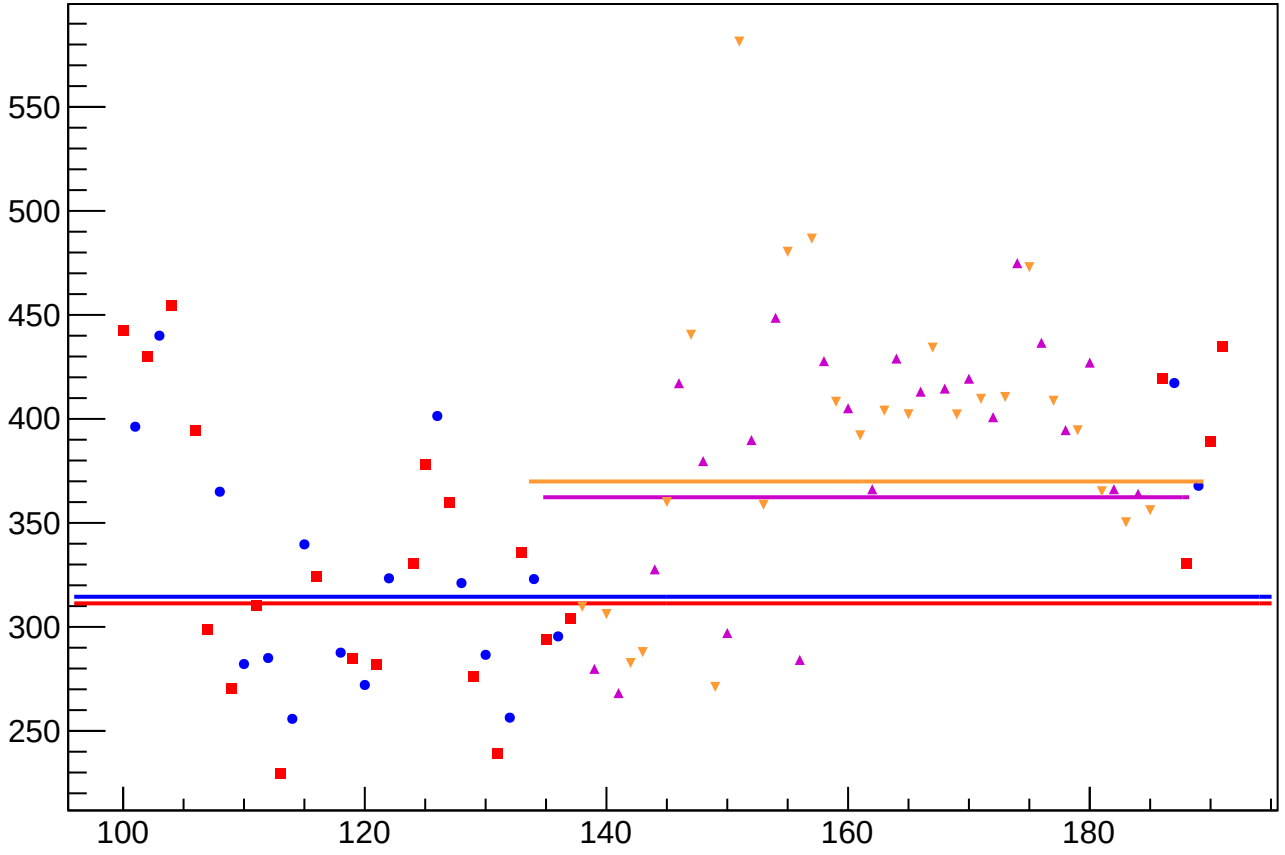
Left In: 64.646+/-86.660 χ^2/NDF:394.4/22

+ sign 400.392+/-68.604 χ^2/NDF: 1293.3/42

All: 9.201+/-47.763 χ^2/NDF: 4193.6/88

- sign -358.787+/-66.538 χ^2/NDF: 2837.1/45

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

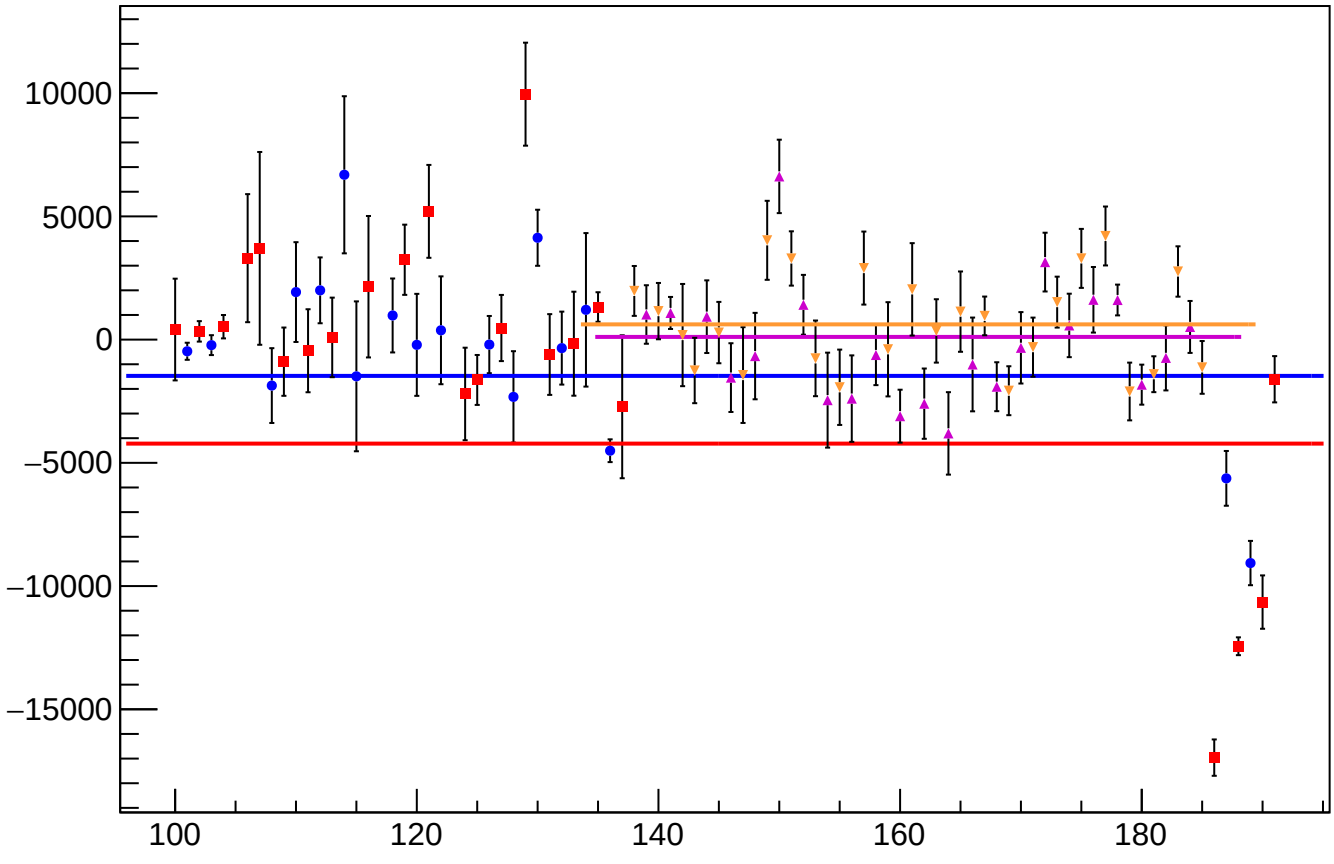
Right Out: 311.319+/-0.073 χ^2/NDF: 663432.9/22

Left In: 362.341+/-0.061 χ^2/NDF:1053395.6/22

+ sign 349.853+/-0.049 χ^2/NDF: 1902982.8/42

All: 345.496+/-0.034 χ^2/NDF: 3920039.8/88

- sign 341.398+/-0.047 χ^2/NDF: 2001402.4/45



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: -4219.718+/-182.946 χ^2/NDF: 1332.5/22

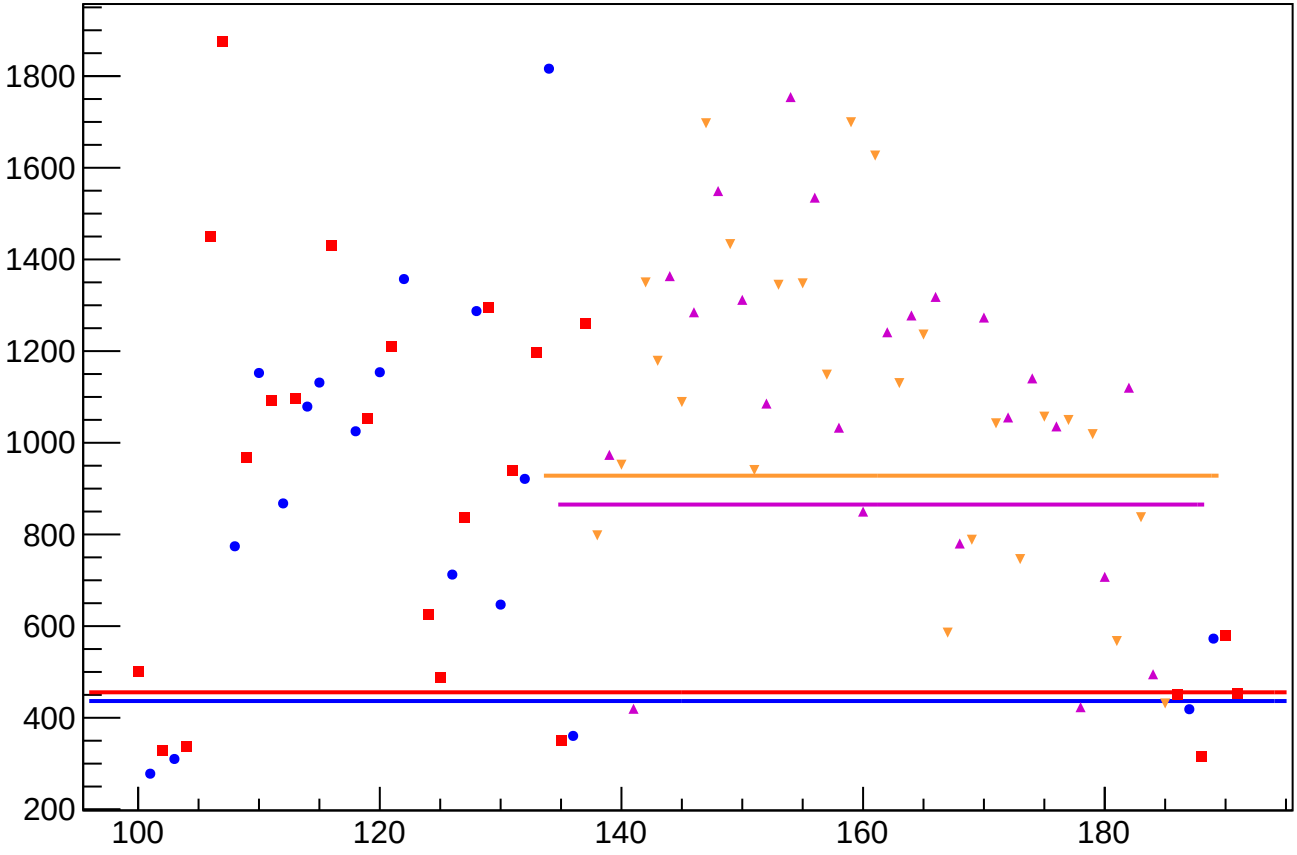
Left In: 109.519+/-237.827 χ^2/NDF:71.7/22

+ sign -625.400+/-151.549 χ^2/NDF: 305.0/42

All: -1661.625+/-104.772 χ^2/NDF: 2007.0/88

- sign -2610.315+/-145.007 χ^2/NDF: 1612.4/45

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: 455.621+/-0.129 χ^2/NDF: 4110765.6/22

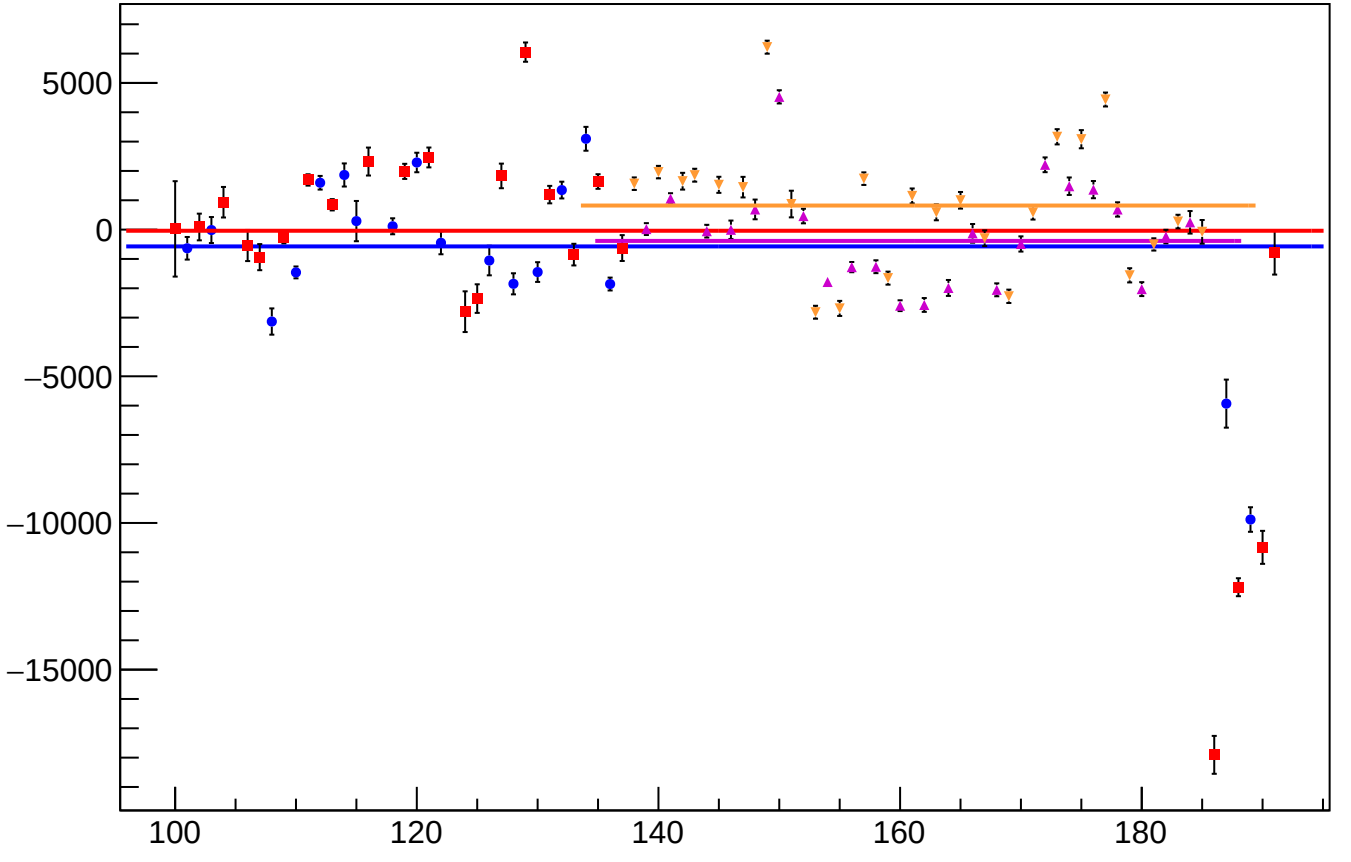
Left In: 865.223+/-0.168 χ^2/NDF:4792678.4/22

+ sign 635.672+/-0.107 χ^2/NDF: 11937604.5/42

All: 621.169+/-0.074 χ^2/NDF: 24603160.3/88

- sign 607.891+/-0.103 χ^2/NDF: 12630471.7/45

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: -38.984+/-69.785 χ^2/NDF: 3429.5/22

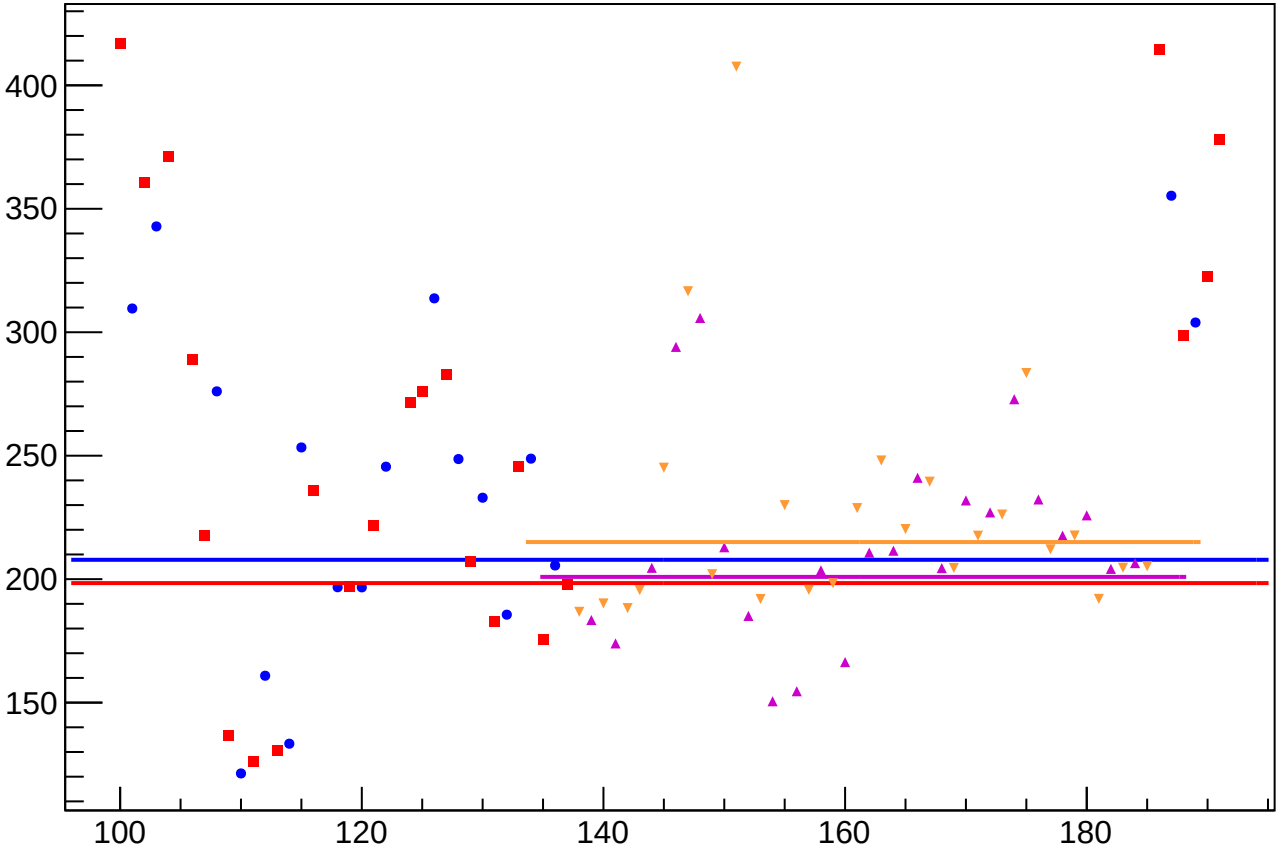
Left In: -385.002+/-48.455 χ^2/NDF:1253.3/22

+ sign 415.647+/-42.106 χ^2/NDF: 3195.7/42

All: 52.253+/-28.924 χ^2/NDF: 8036.1/88

- sign -272.448+/-39.801 χ^2/NDF: 4699.4/45

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: 198.404+/-0.049 χ^2/NDF: 2188705.3/22

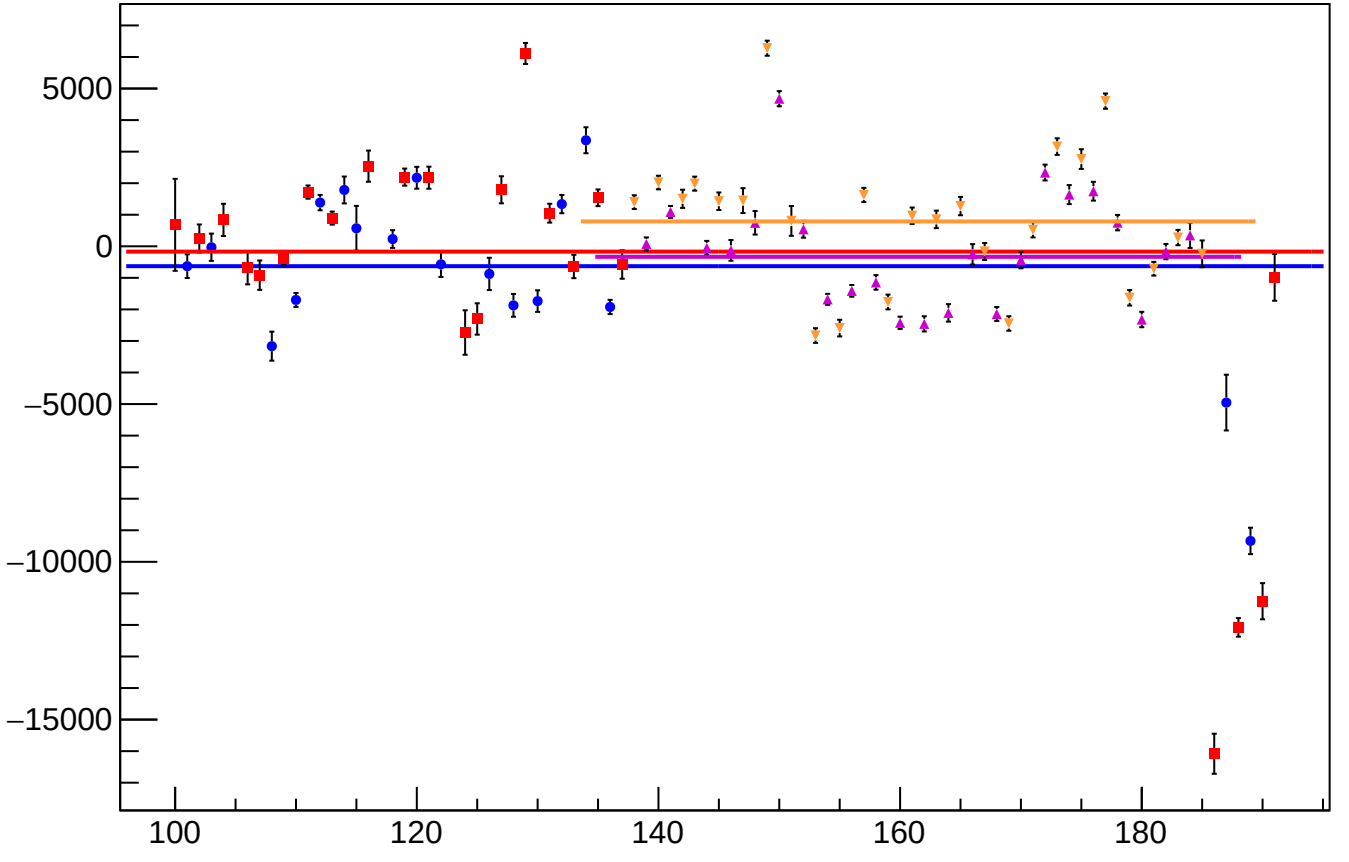
Left In: 200.917+/-0.034 χ^2/NDF:1105842.5/22

+ sign 212.938+/-0.030 χ^2/NDF: 2159380.6/42

All: 206.157+/-0.020 χ^2/NDF: 5553871.6/88

- sign 200.099+/-0.028 χ^2/NDF: 3296298.2/45

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: -168.692+/-72.144 χ^2/NDF: 3372.5/22

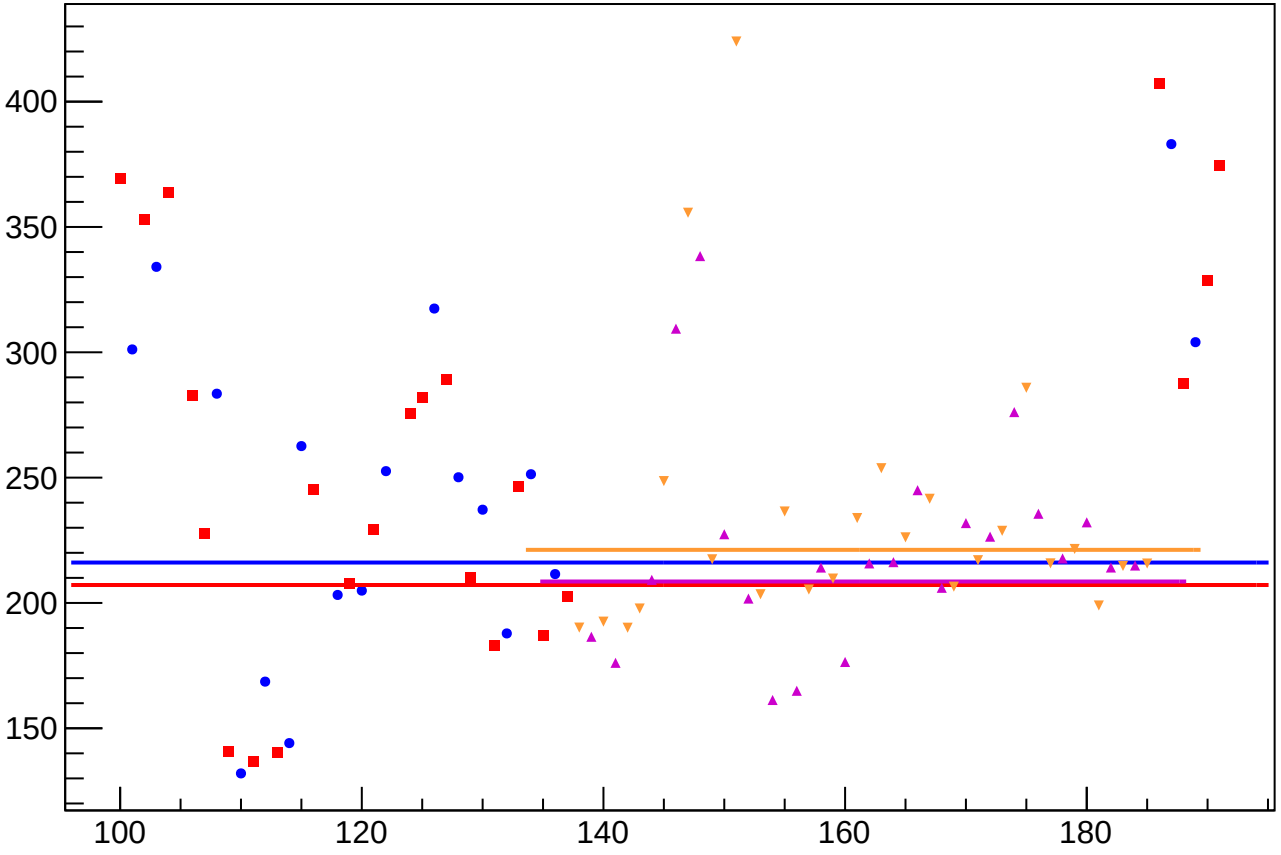
Left In: -333.303+/-50.194 χ^2/NDF:1215.2/22

+ sign 377.790+/-43.352 χ^2/NDF: 2996.7/42

All: 32.394+/-29.866 χ^2/NDF: 7708.7/88

- sign -279.610+/-41.203 χ^2/NDF: 4591.2/45

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: 207.158+/-0.051 χ^2/NDF: 1874541.2/22

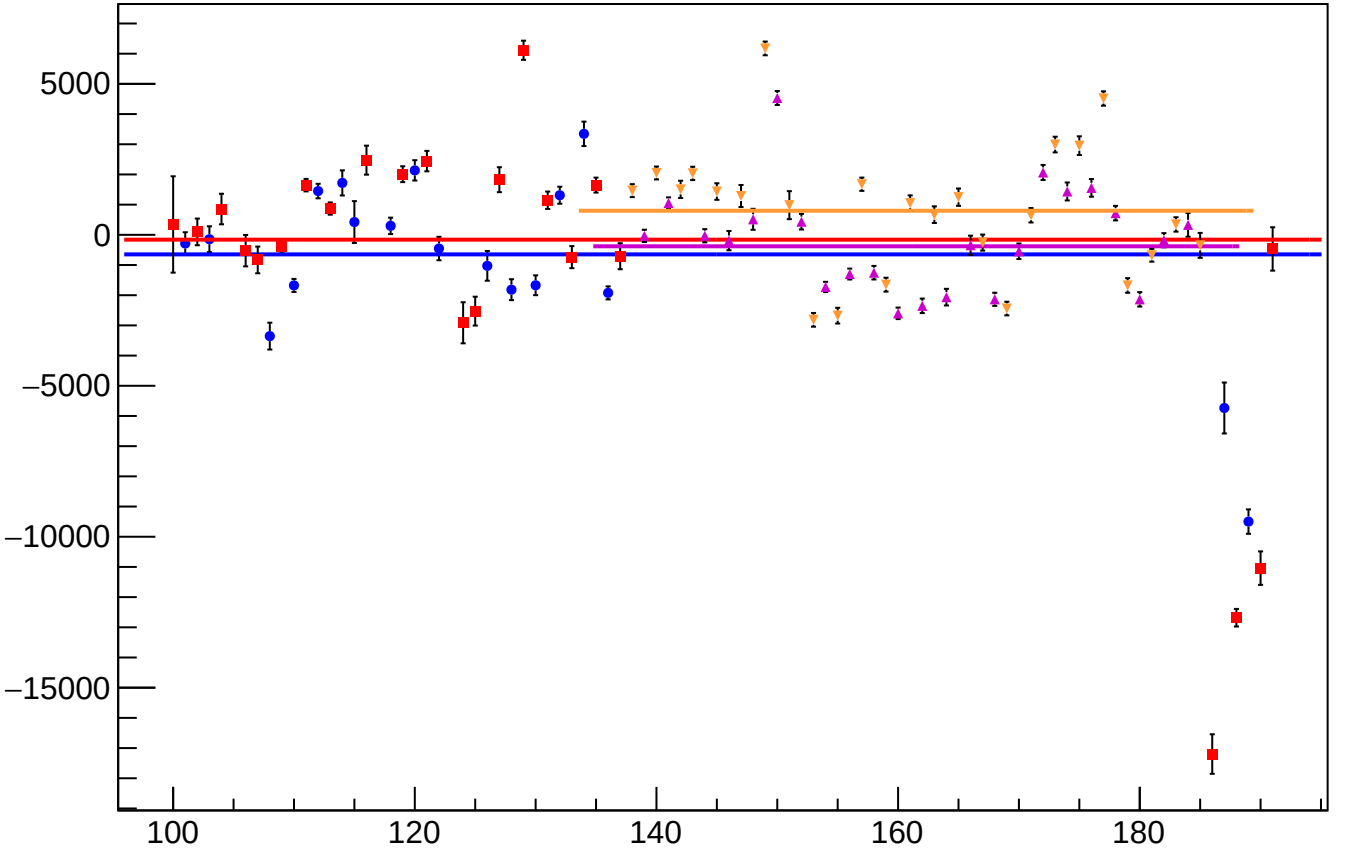
Left In: 208.556+/-0.035 χ^2/NDF:1035638.0/22

+ sign 219.720+/-0.031 χ^2/NDF: 1996084.7/42

All: 213.615+/-0.021 χ^2/NDF: 4982268.3/88

- sign 208.100+/-0.029 χ^2/NDF: 2910685.4/45

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: -159.671+/-69.829 χ^2/NDF: 3707.3/22

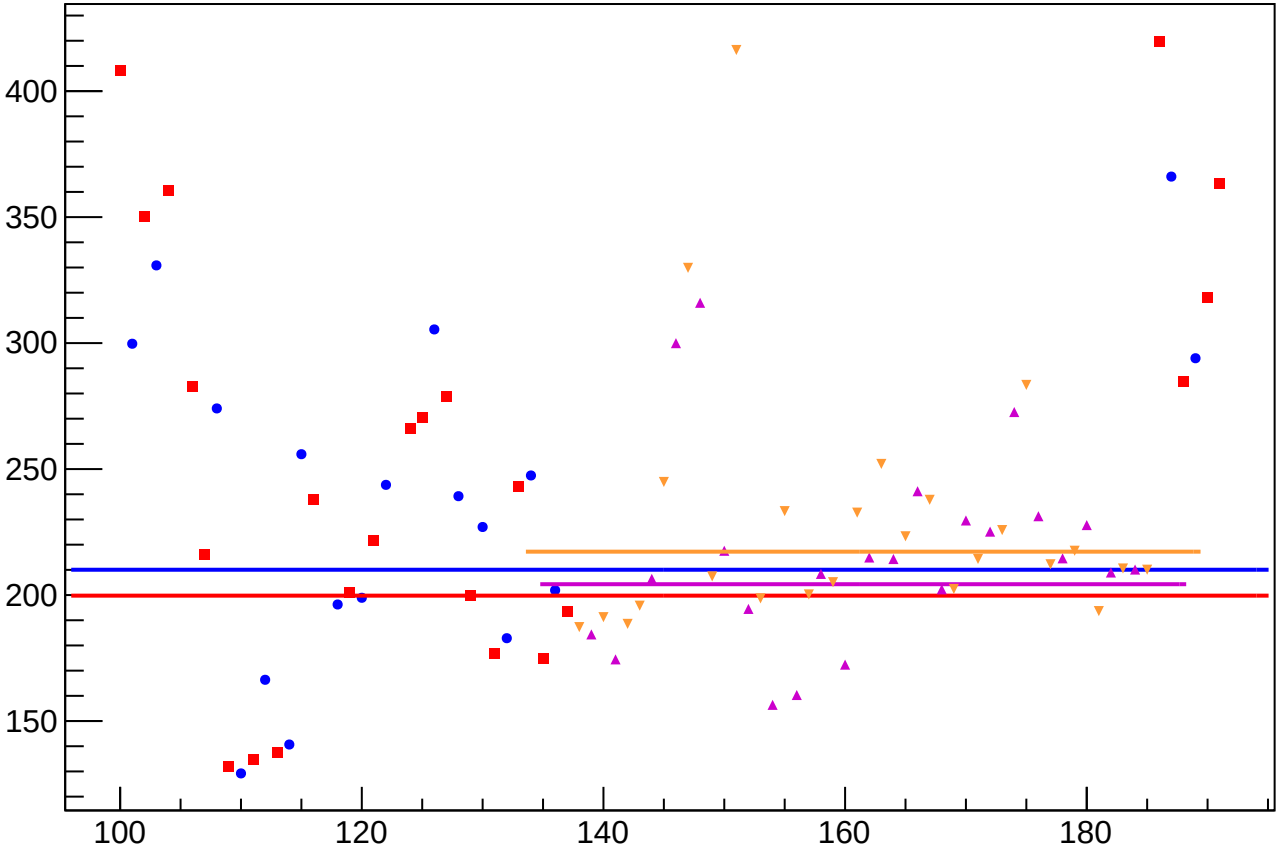
Left In: -379.578+/-49.183 χ^2/NDF:1201.2/22

+ sign 373.430+/-42.444 χ^2/NDF: 3171.5/42

All: 15.019+/-29.191 χ^2/NDF: 8222.0/88

- sign -306.659+/-40.210 χ^2/NDF: 4915.2/45

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: 199.767+/-0.049 χ^2/NDF: 1980118.0/22

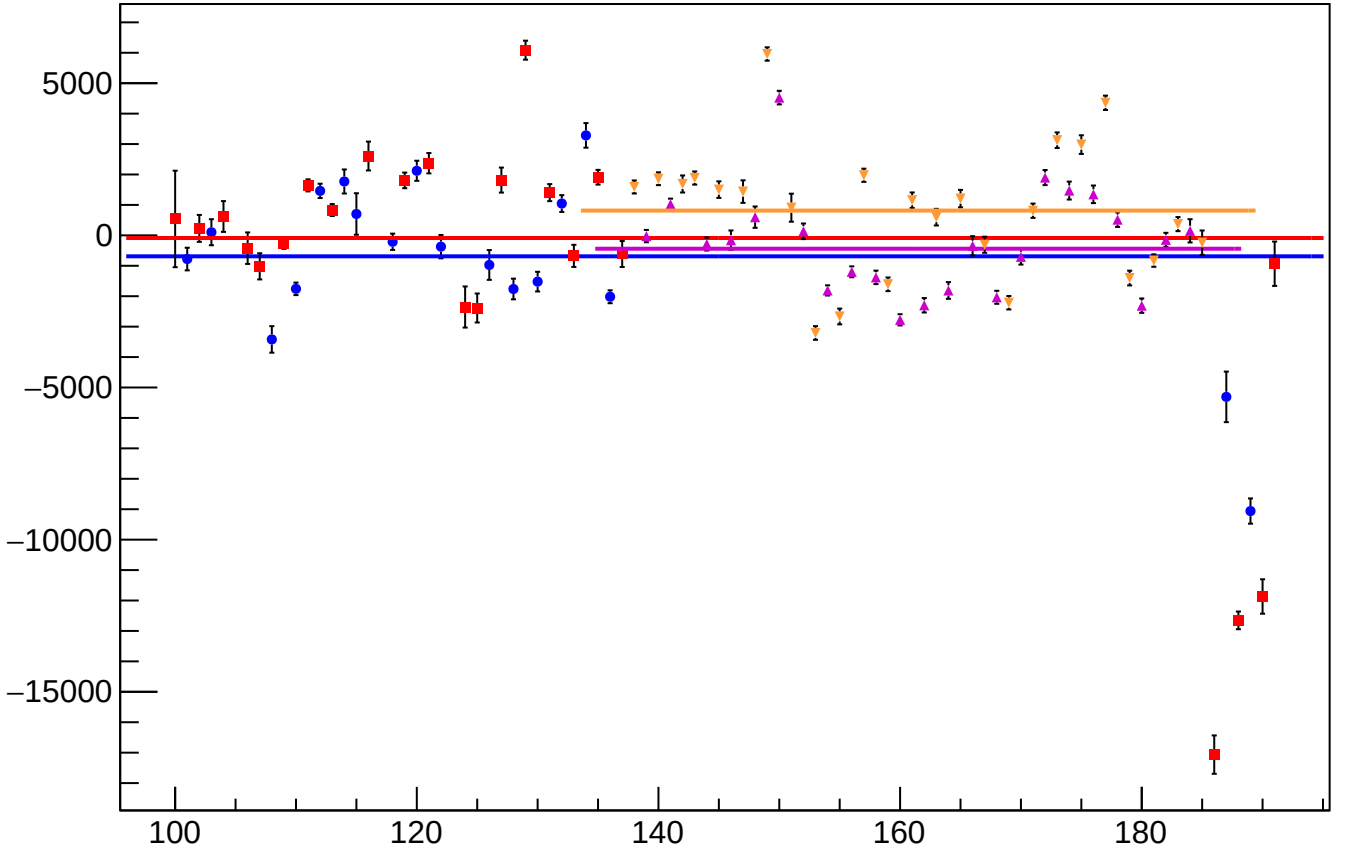
Left In: 204.308+/-0.035 χ^2/NDF:1015049.0/22

+ sign 215.119+/-0.030 χ^2/NDF: 1960989.5/42

All: 208.628+/-0.021 χ^2/NDF: 5050561.6/88

- sign 202.802+/-0.028 χ^2/NDF: 3000821.0/45

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: -87.106+/-68.245 χ^2/NDF: 3819.0/22

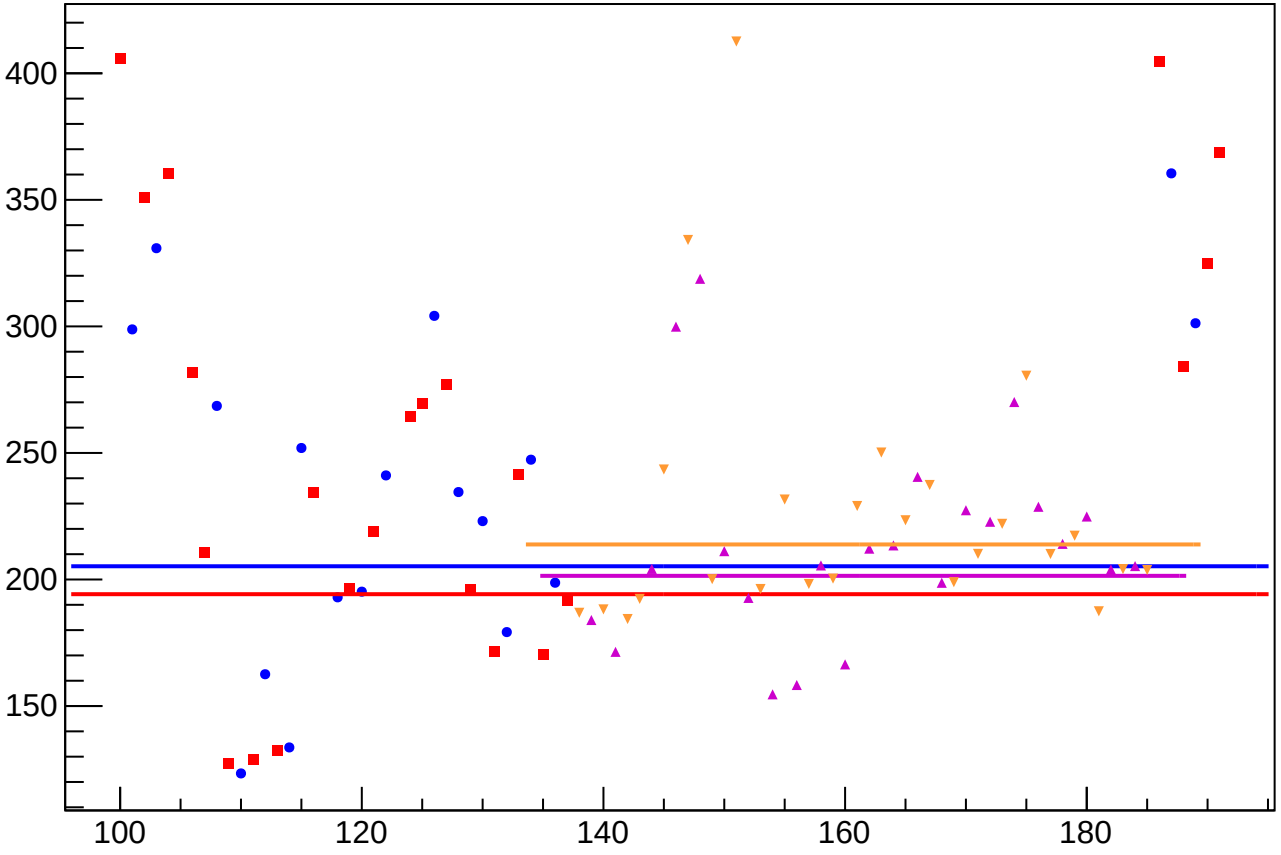
Left In: -439.674+/-48.535 χ^2/NDF:1235.0/22

+ sign 370.304+/-41.771 χ^2/NDF: 3172.5/42

All: 5.679+/-28.720 χ^2/NDF: 8388.6/88

- sign -321.246+/-39.553 χ^2/NDF: 5071.6/45

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: 194.197+/-0.048 χ^2/NDF: 2136259.9/22

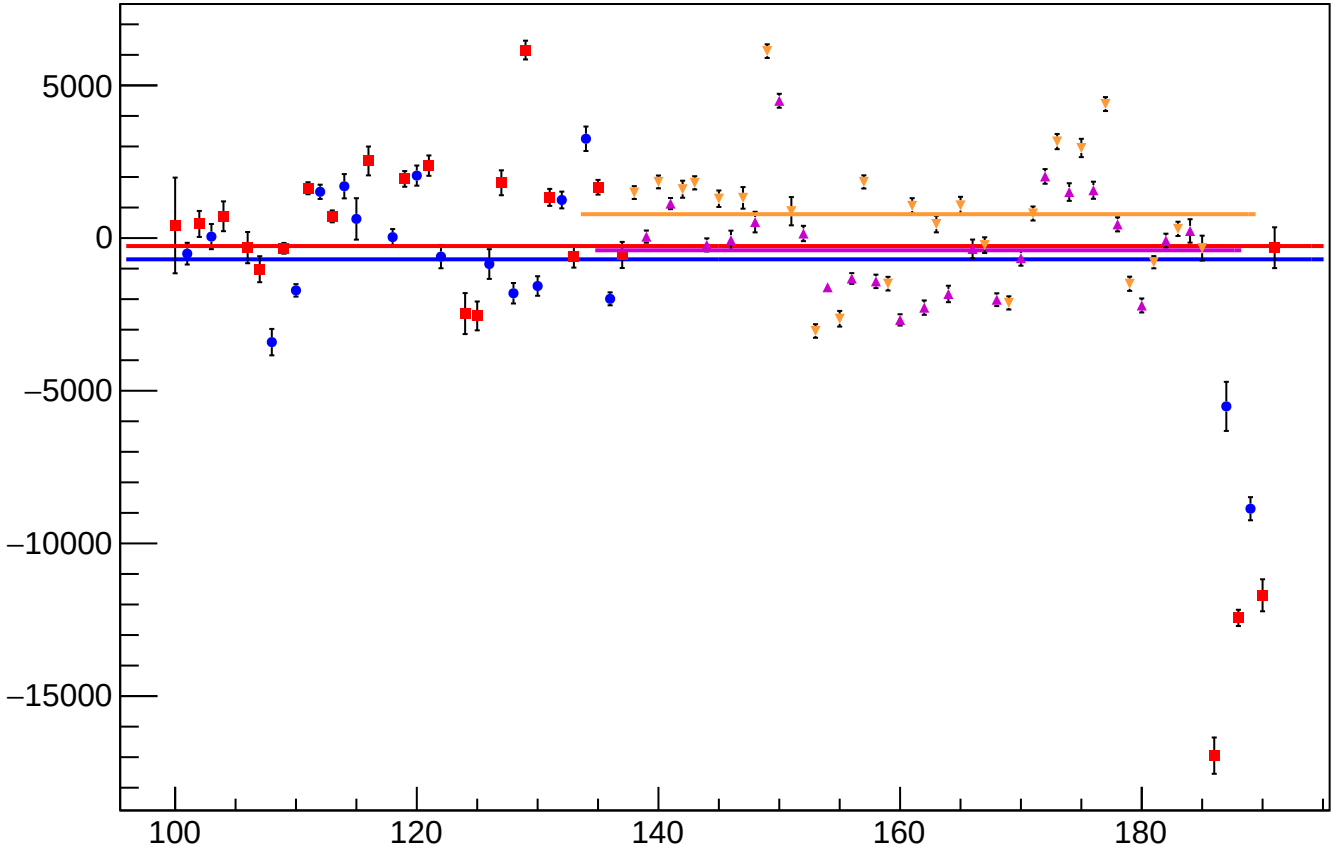
Left In: 201.446+/-0.034 χ^2/NDF:1061972.3/22

+ sign 211.303+/-0.030 χ^2/NDF: 2124805.6/42

All: 204.822+/-0.020 χ^2/NDF: 5429340.0/88

- sign 199.011+/-0.028 χ^2/NDF: 3213215.7/45

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: -261.127+/-67.093 χ^2/NDF: 4244.2/22

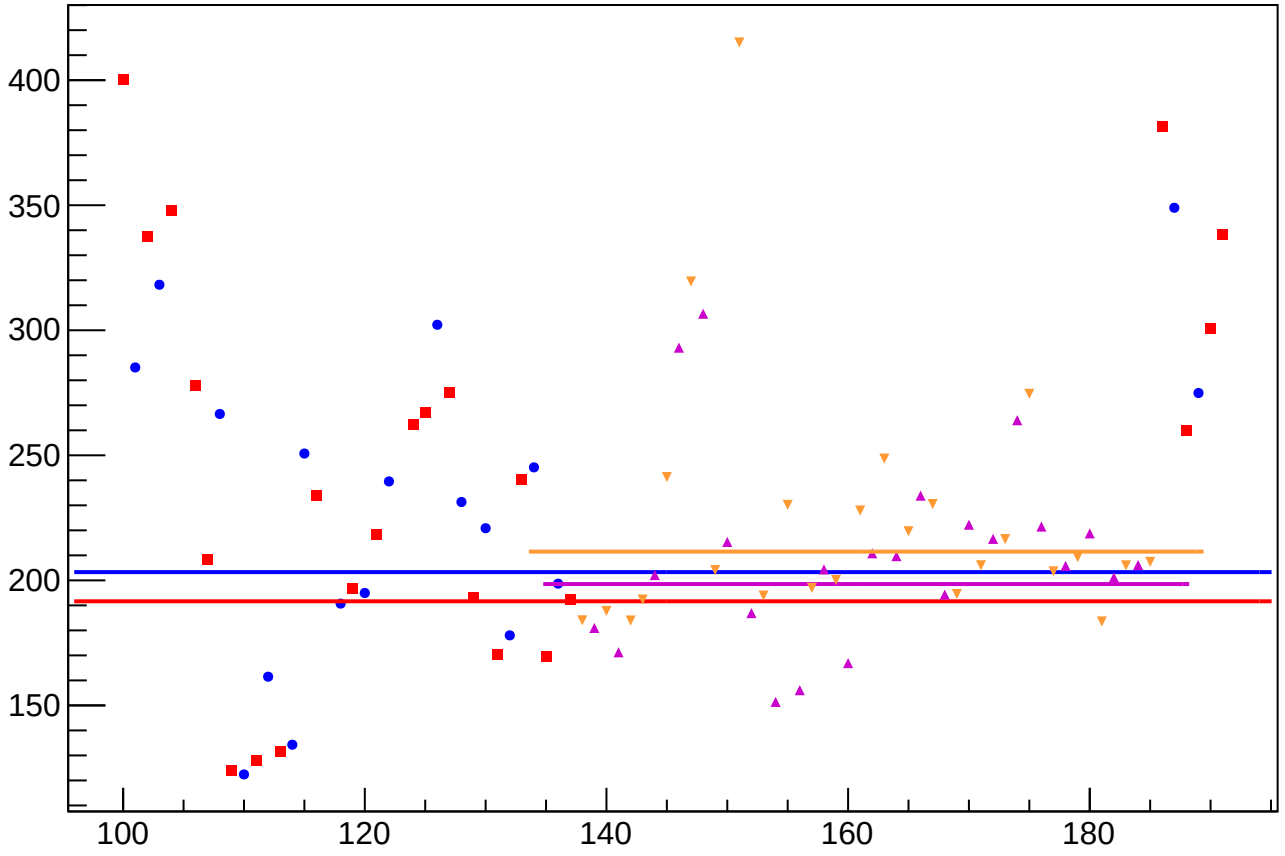
Left In: -399.798+/-47.819 χ^2/NDF:1232.0/22

+ sign 345.229+/-41.290 χ^2/NDF: 3246.1/42

All: -24.356+/-28.329 χ^2/NDF: 8876.5/88

- sign -353.085+/-38.941 χ^2/NDF: 5479.0/45

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: 191.631+/-0.047 χ^2/NDF: 2002587.0/22

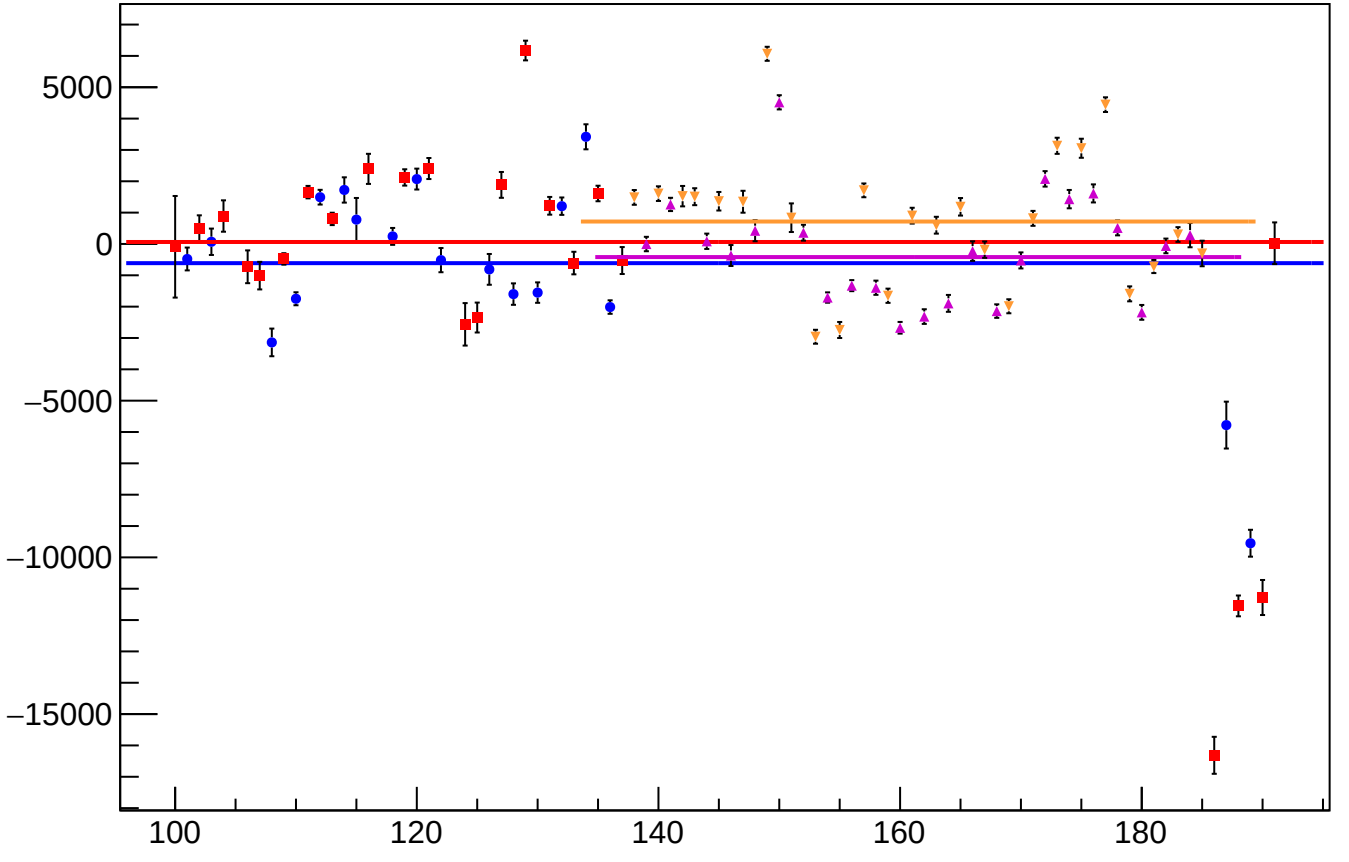
Left In: 198.524+/-0.034 χ^2/NDF:1006458.6/22

+ sign 209.071+/-0.029 χ^2/NDF: 2007743.7/42

All: 202.260+/-0.020 χ^2/NDF: 5133618.7/88

- sign 196.202+/-0.028 χ^2/NDF: 3023047.0/45

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: 62.930+/-69.122 χ^2/NDF: 3139.0/22

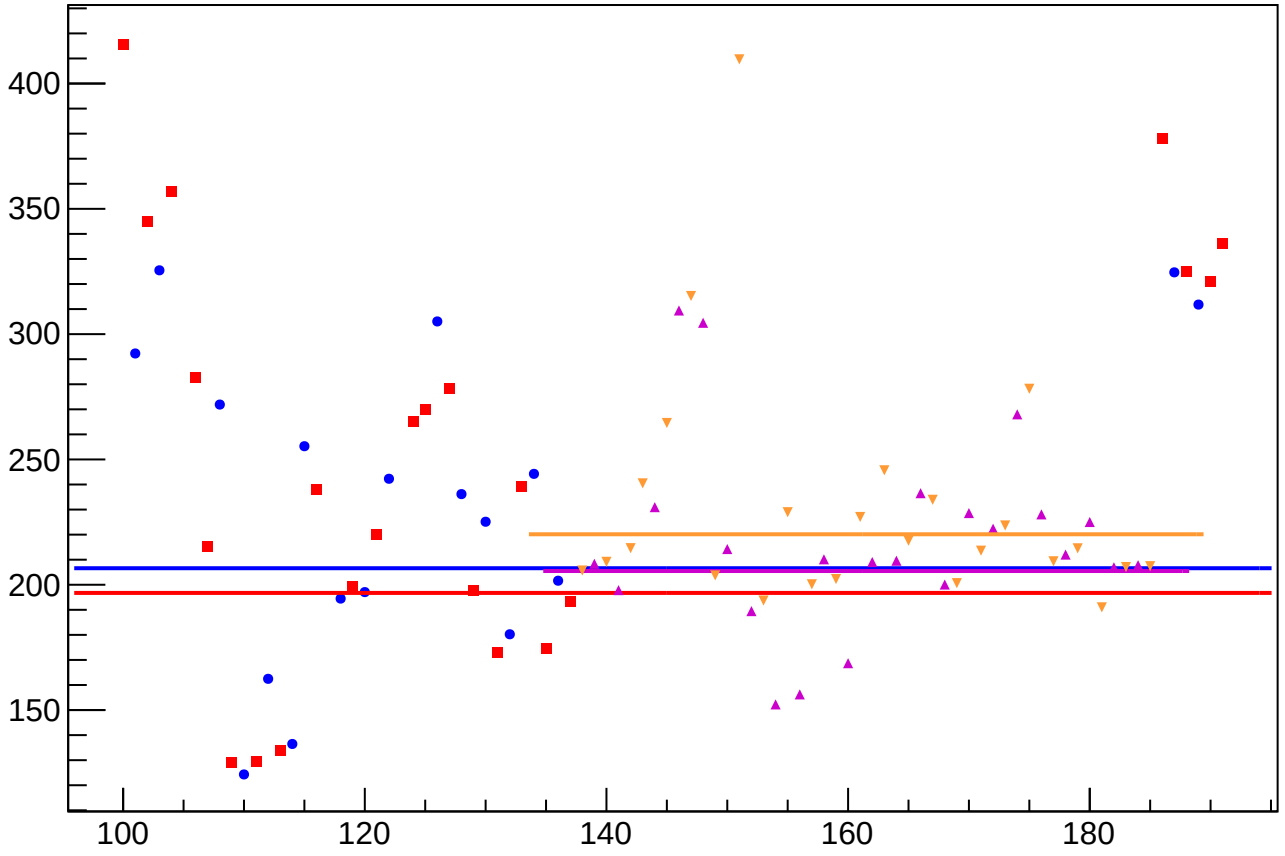
Left In: -418.574+/-49.523 χ^2/NDF:1241.0/22

+ sign 311.284+/-42.625 χ^2/NDF: 3067.7/42

All: 11.844+/-29.268 χ^2/NDF: 7573.0/88

- sign -255.246+/-40.257 χ^2/NDF: 4412.0/45

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: 196.741+/-0.049 χ^2/NDF: 2137976.9/22

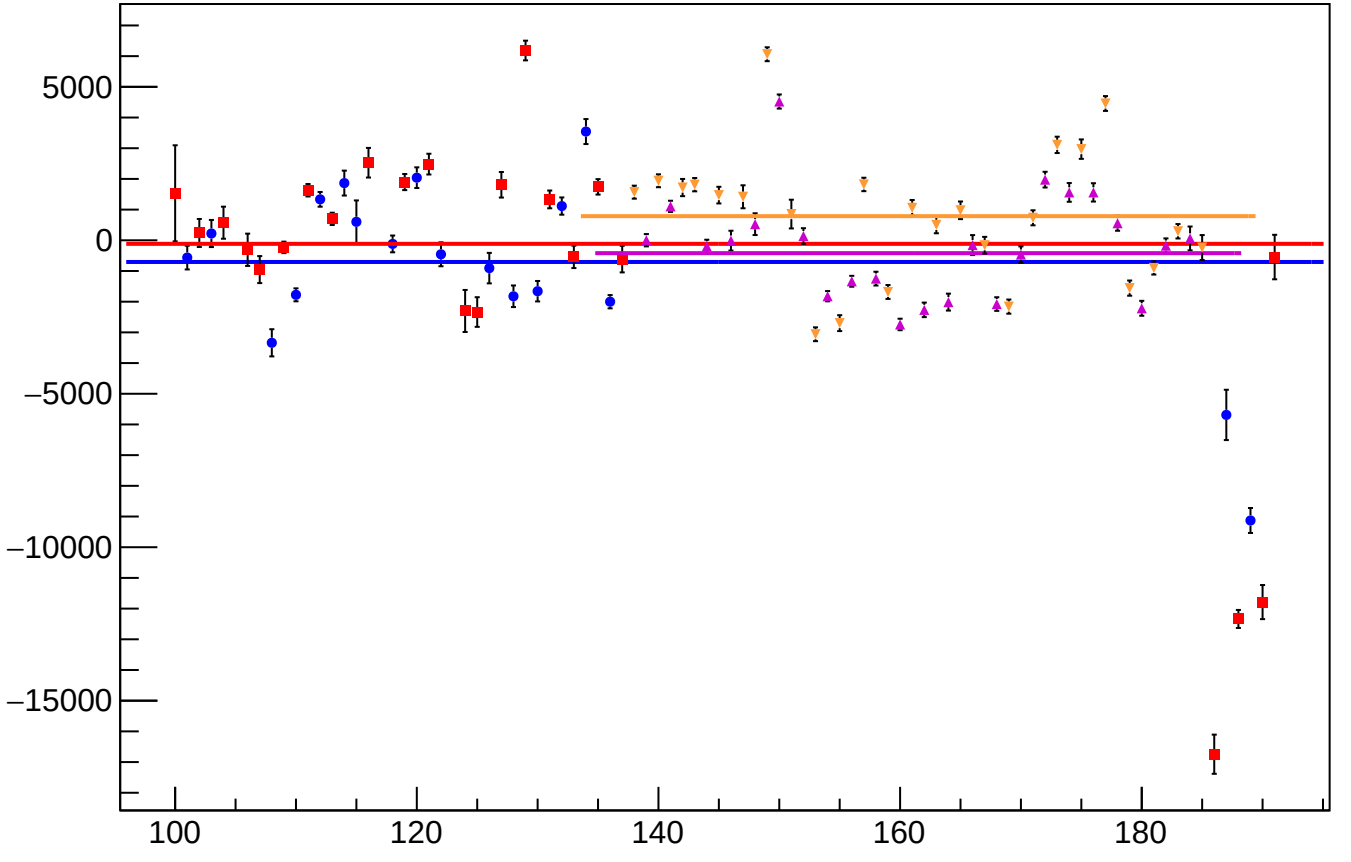
Left In: 205.481+/-0.035 χ^2/NDF:1013965.4/22

+ sign 216.021+/-0.030 χ^2/NDF: 1944562.7/42

All: 208.883+/-0.021 χ^2/NDF: 5223737.2/88

- sign 202.517+/-0.028 χ^2/NDF: 3173075.3/45

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: -115.206+/-69.876 χ^2/NDF: 3621.9/22

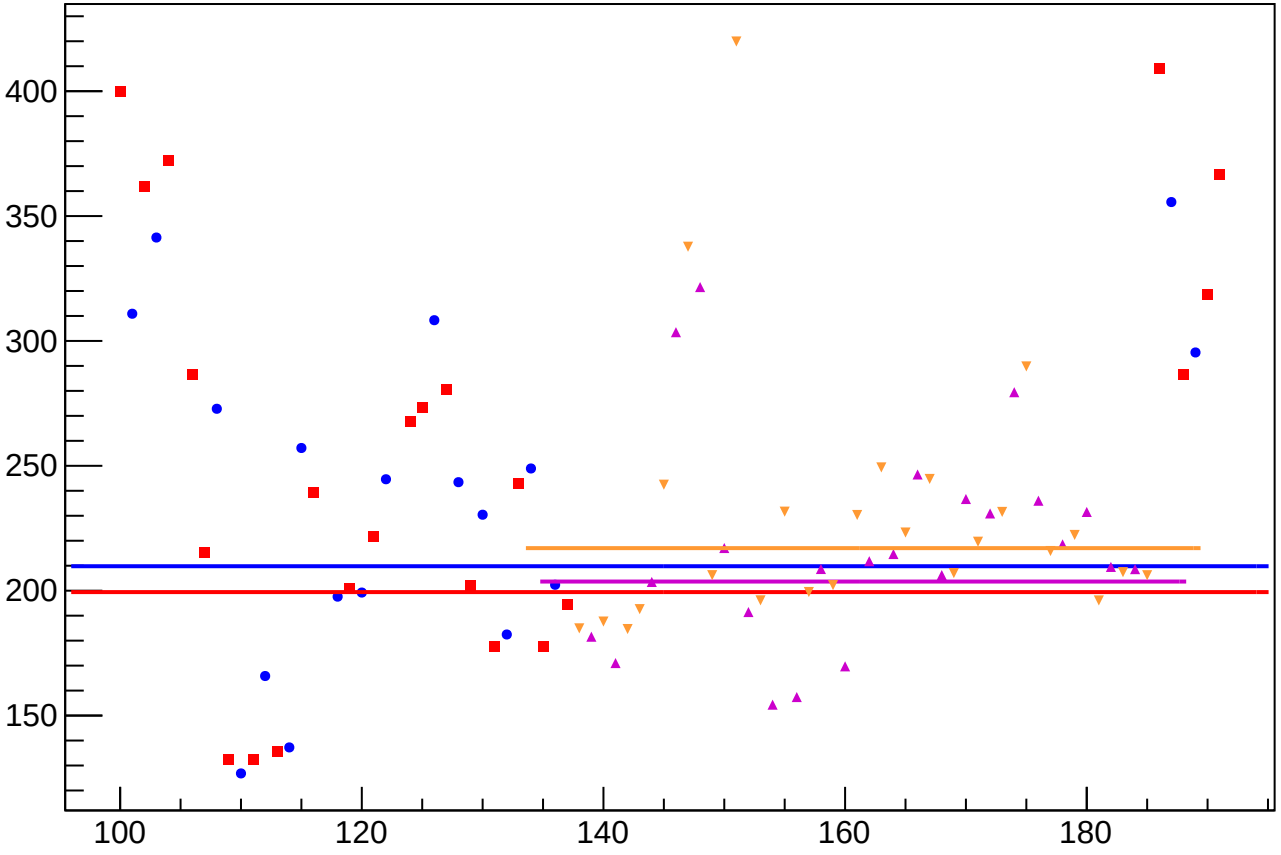
Left In: -418.824+/-49.152 χ^2/NDF:1211.0/22

+ sign 349.500+/-42.482 χ^2/NDF: 3117.3/42

All: -2.812+/-29.200 χ^2/NDF: 8093.2/88

- sign -318.324+/-40.202 χ^2/NDF: 4845.5/45

asym_bpm0l10WS_rms vs Slug



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: 199.438+/-0.049 χ^2/NDF: 2053808.4/22

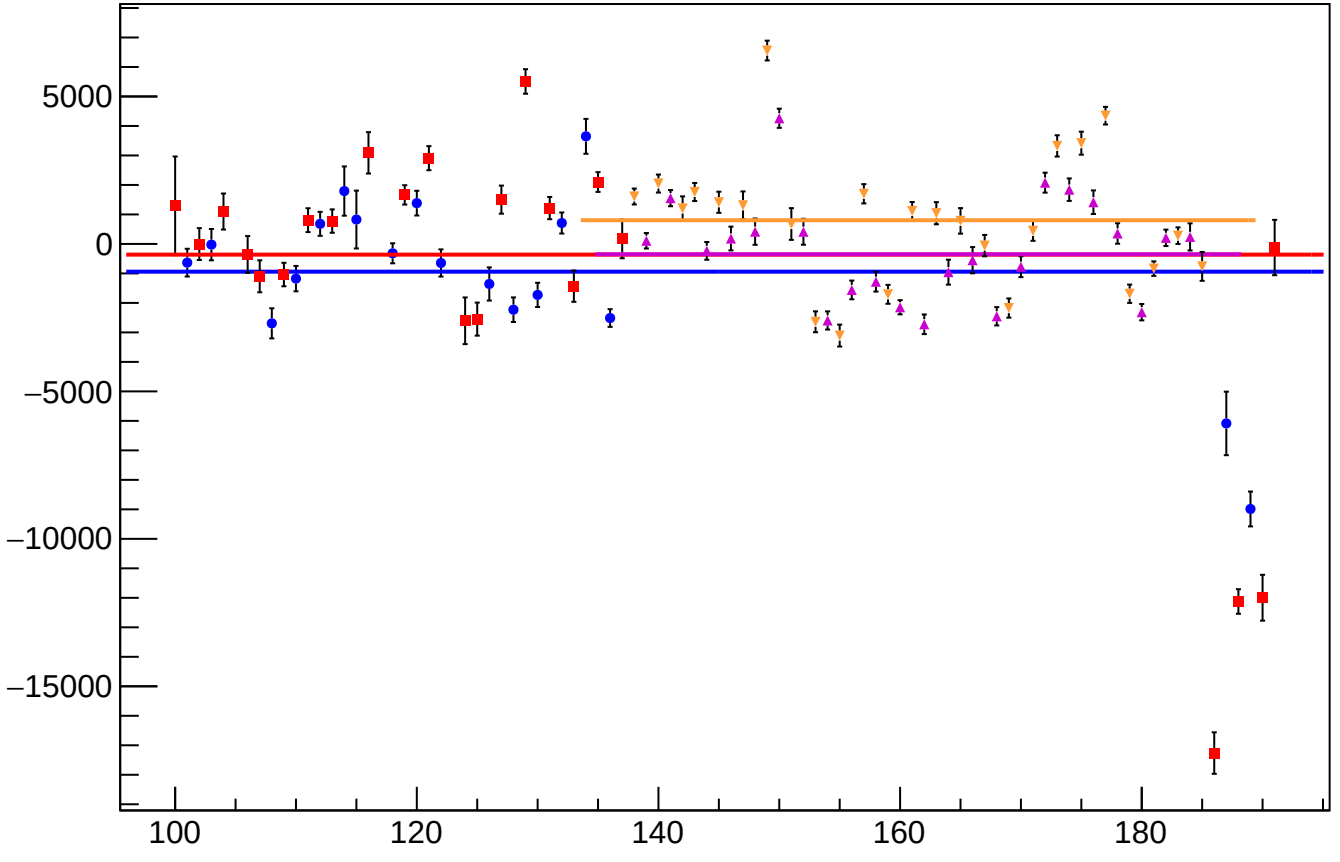
Left In: 203.660+/-0.035 χ^2/NDF:1165334.8/22

+ sign 214.917+/-0.030 χ^2/NDF: 2117061.4/42

All: 208.241+/-0.021 χ^2/NDF: 5434710.0/88

- sign 202.263+/-0.028 χ^2/NDF: 3224027.3/45

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: -362.941+/-102.119 χ^2/NDF: 2067.8/22

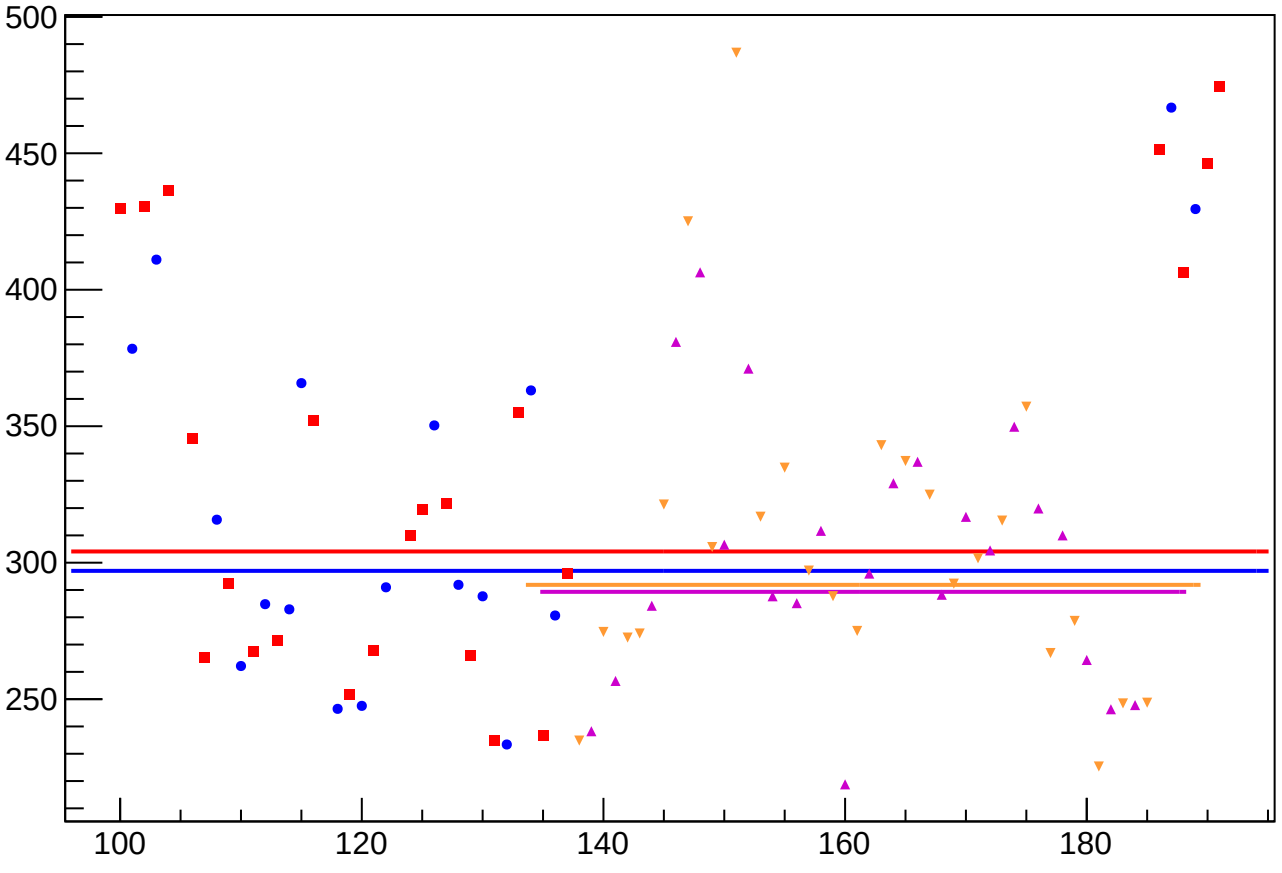
Left In: -350.095+/-68.985 χ^2/NDF:656.1/22

+ sign 313.422+/-57.395 χ^2/NDF: 1655.3/42

All: -21.695+/-40.502 χ^2/NDF: 4447.2/88

- sign -354.120+/-57.164 χ^2/NDF: 2723.9/45

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: 304.111+/-0.072 χ^2/NDF: 870758.5/22

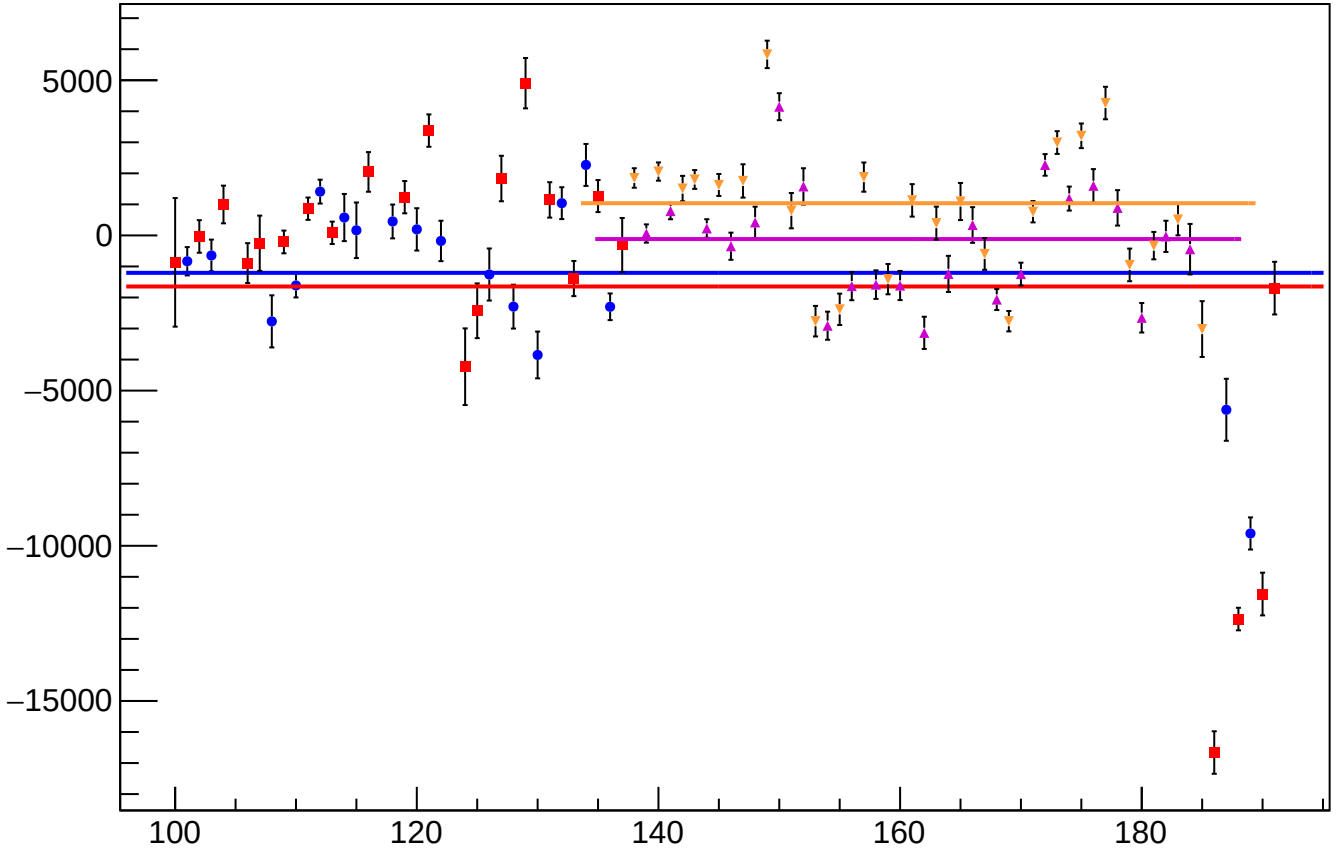
Left In: 289.321+/-0.049 χ^2/NDF:808605.3/22

+ sign 293.323+/-0.041 χ^2/NDF: 1479993.6/42

All: 293.641+/-0.029 χ^2/NDF: 3188284.6/88

- sign 293.955+/-0.040 χ^2/NDF: 1708169.4/45

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: -1645.631+/-117.258 χ^2/NDF: 1983.9/22

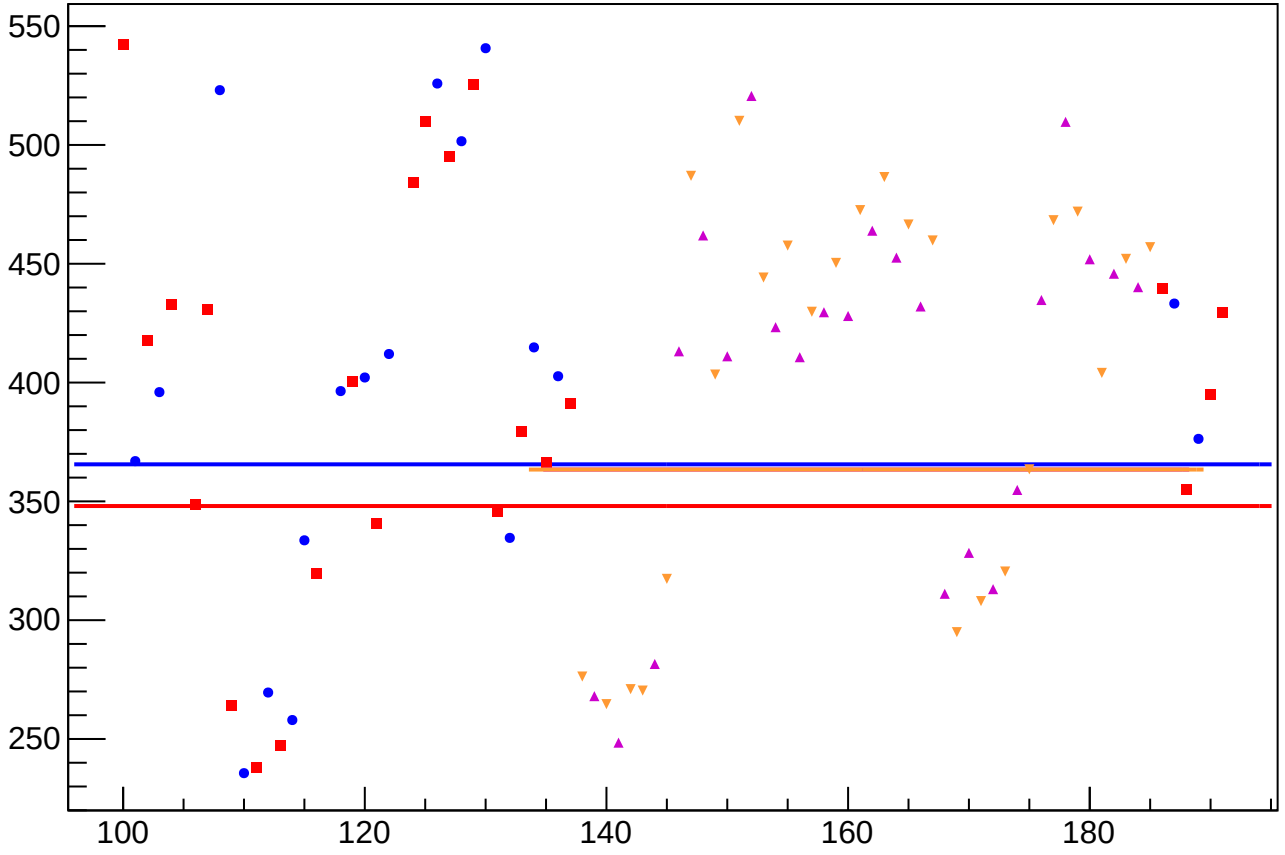
Left In: -117.211+/-87.461 χ^2/NDF:370.4/22

+ sign 391.534+/-71.894 χ^2/NDF: 1195.8/42

All: -149.293+/-50.193 χ^2/NDF: 3769.6/88

- sign -663.573+/-70.107 χ^2/NDF: 2463.4/45

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: 348.039+/-0.083 χ^2/NDF: 927314.8/22

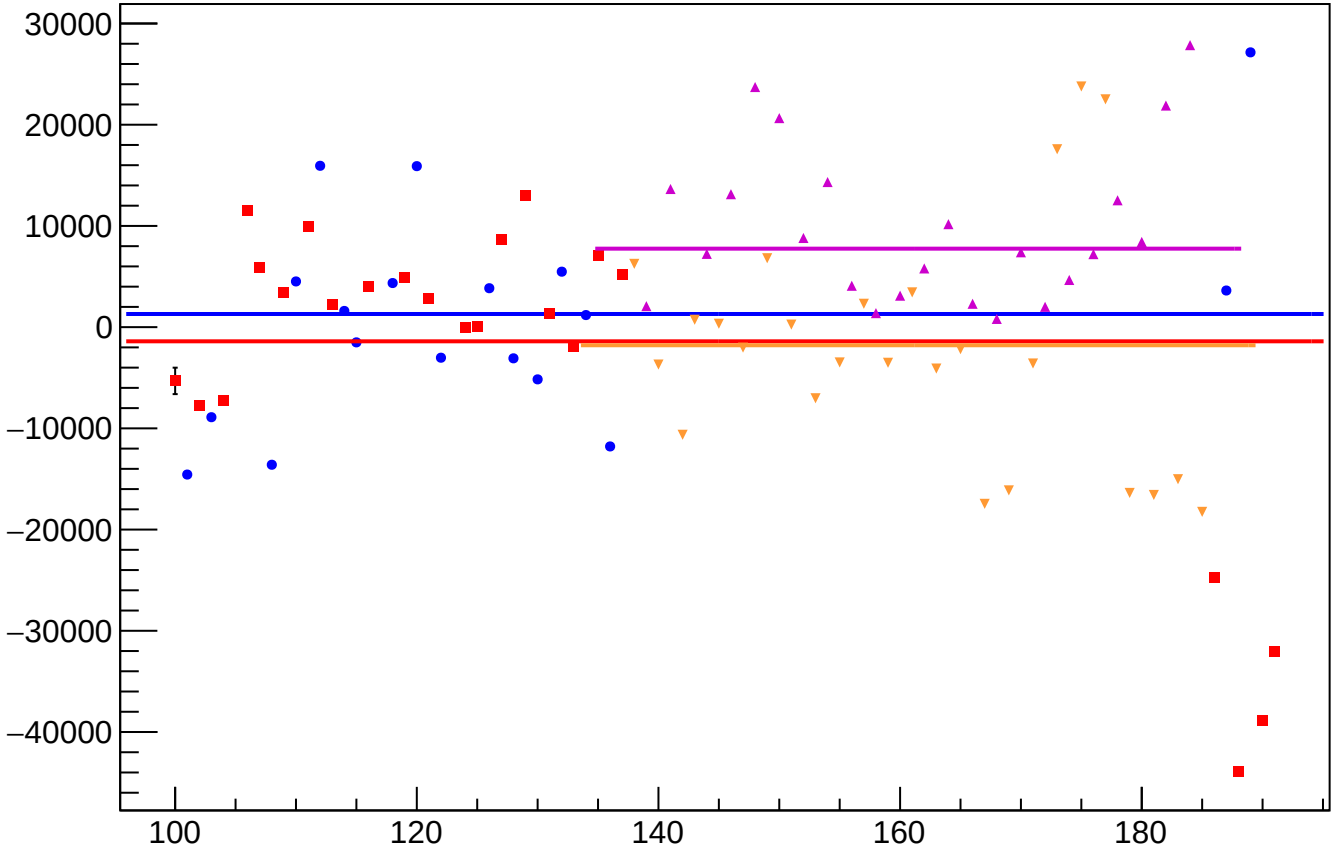
Left In: 363.386+/-0.062 χ^2/NDF:1711599.2/22

+ sign 364.020+/-0.051 χ^2/NDF: 2732270.2/42

All: 360.883+/-0.035 χ^2/NDF: 5400628.8/88

- sign 357.900+/-0.050 χ^2/NDF: 2660928.9/45

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: -1399.635+/-48.194 χ^2/NDF: 106213.2/22

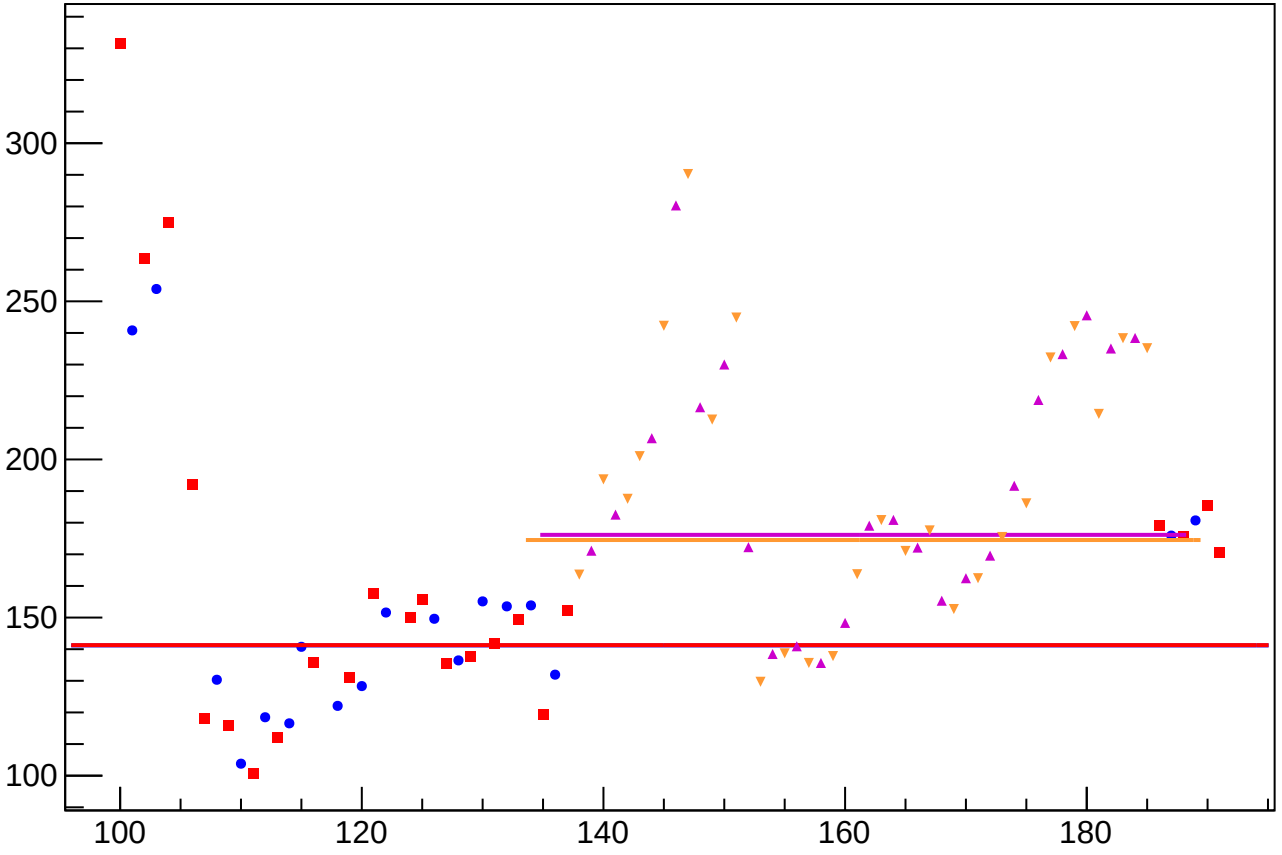
Left In: 7754.468+/-42.571 χ^2/NDF:23278.0/22

+ sign -623.562+/-32.274 χ^2/NDF: 109967.0/42

All: 1584.442+/-22.690 χ^2/NDF: 268978.5/88

- sign 3742.374+/-31.906 χ^2/NDF: 149756.7/45

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: 141.280+/-0.034 χ^2/NDF: 1078491.2/22

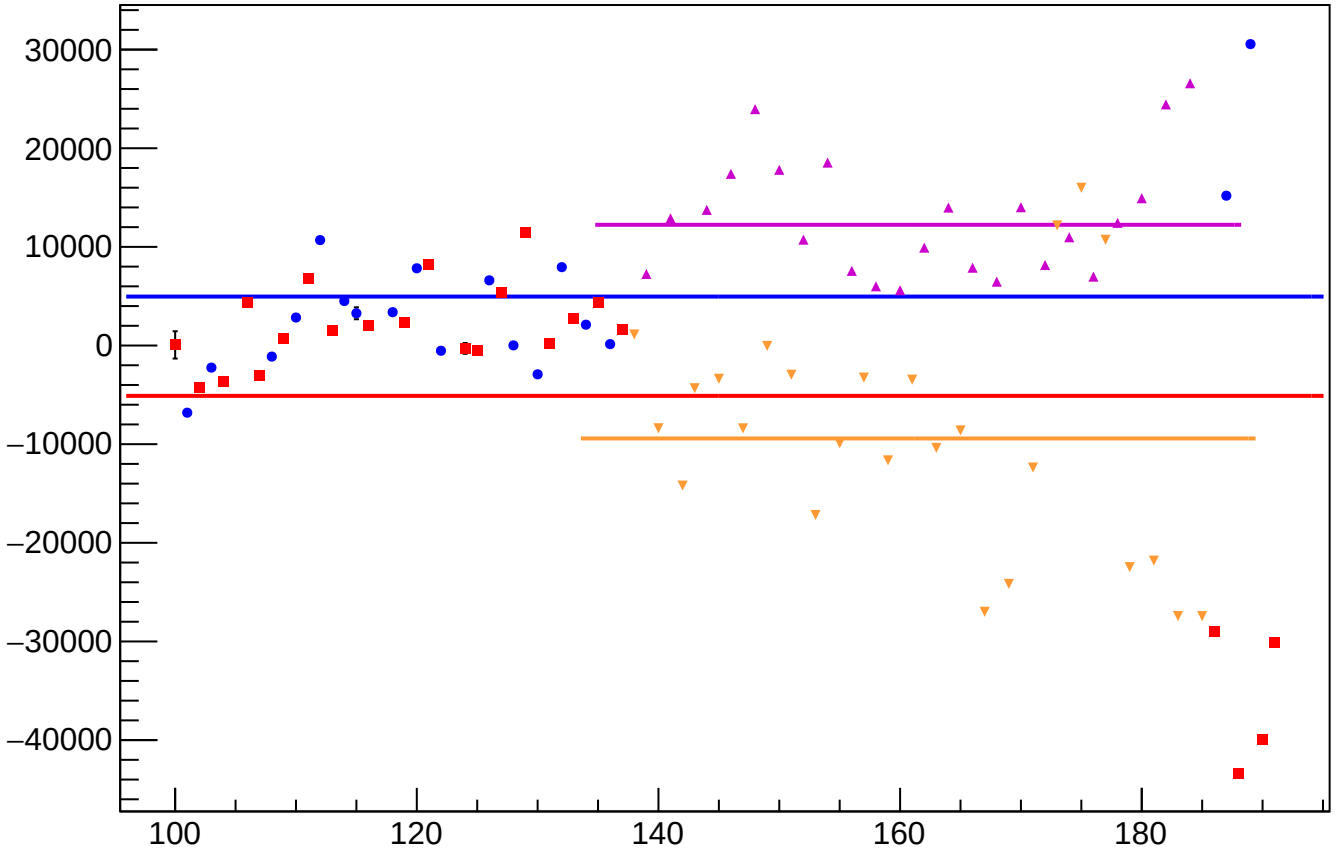
Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

+ sign 161.935+/-0.023 χ^2/NDF: 2887423.3/42

All: 161.396+/-0.016 χ^2/NDF: 5922329.3/88

- sign 160.870+/-0.023 χ^2/NDF: 3033803.4/45

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: -5103.221+/-58.463 χ^2/NDF: 84614.5/22

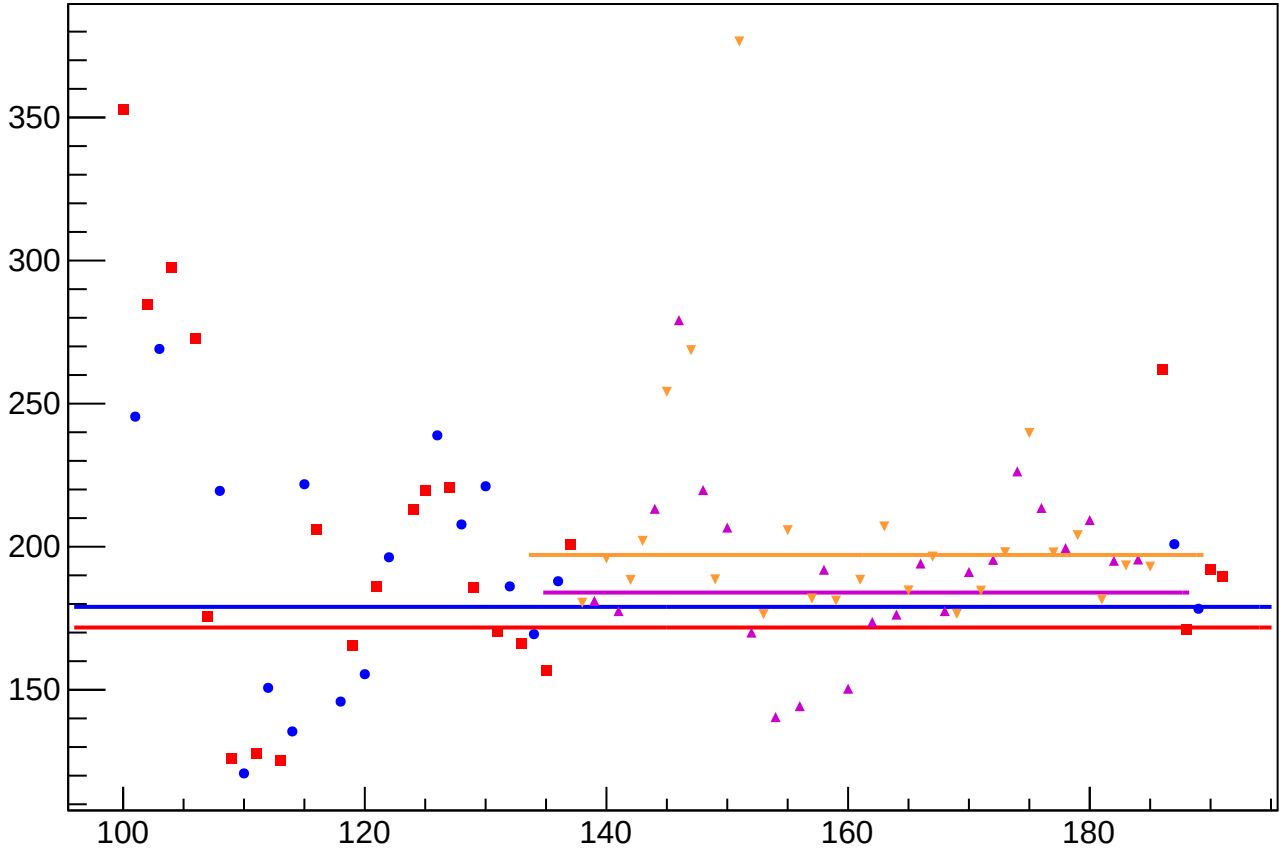
Left In: 12238.678+/-44.195 χ^2/NDF:16015.8/22

+ sign -4758.572+/-37.570 χ^2/NDF: 113241.8/42

All: 926.289+/-25.708 χ^2/NDF: 312923.4/88

- sign 5932.289+/-35.255 χ^2/NDF: 156622.9/45

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: 171.775+/-0.041 χ^2/NDF: 1094041.7/22

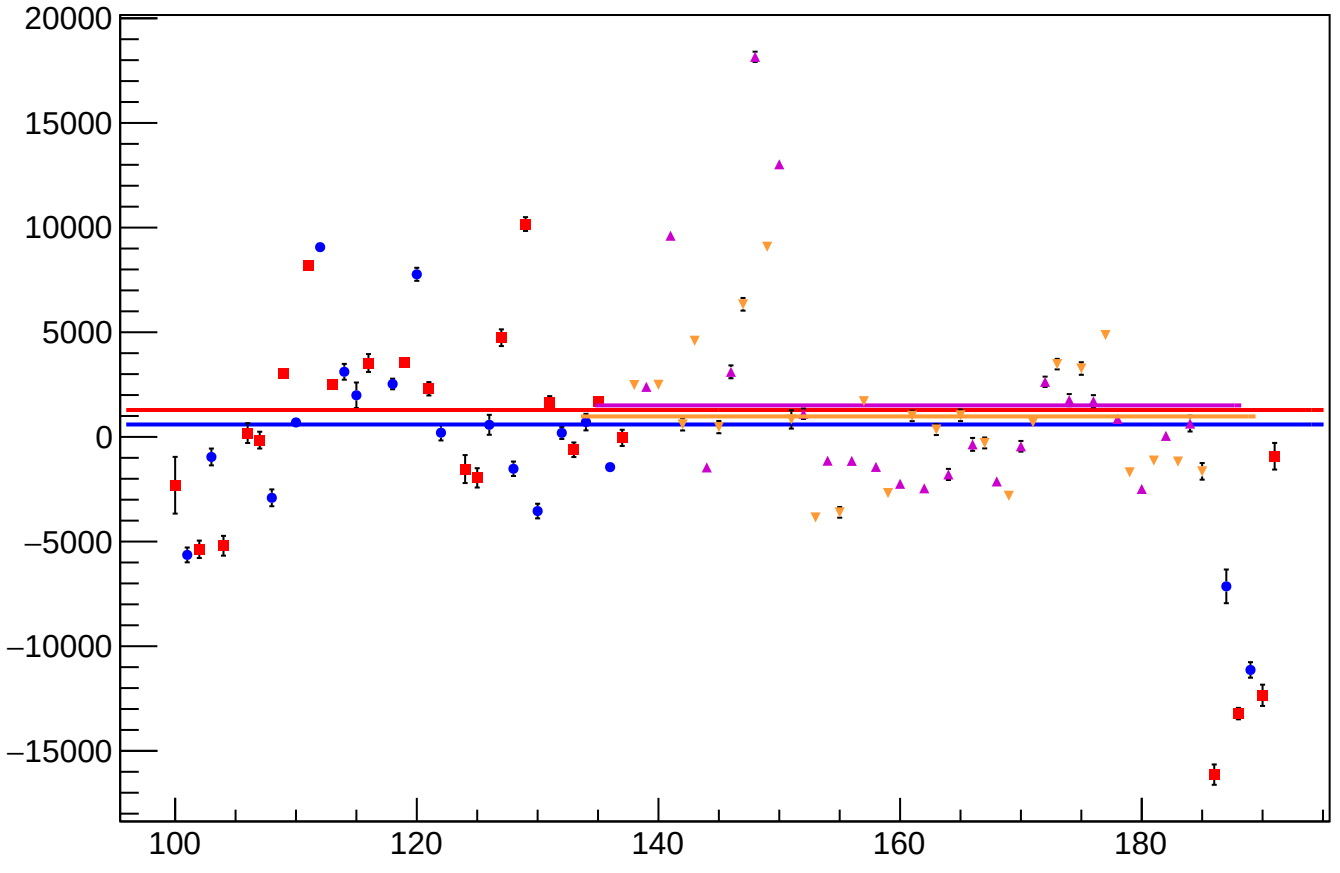
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 191.242+/-0.027 χ^2/NDF: 1513846.0/42

All: 185.022+/-0.018 χ^2/NDF: 3596278.9/88

- sign 179.545+/-0.025 χ^2/NDF: 1979340.7/45

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: 1285.938+/-65.492 χ^2/NDF: 7790.2/22

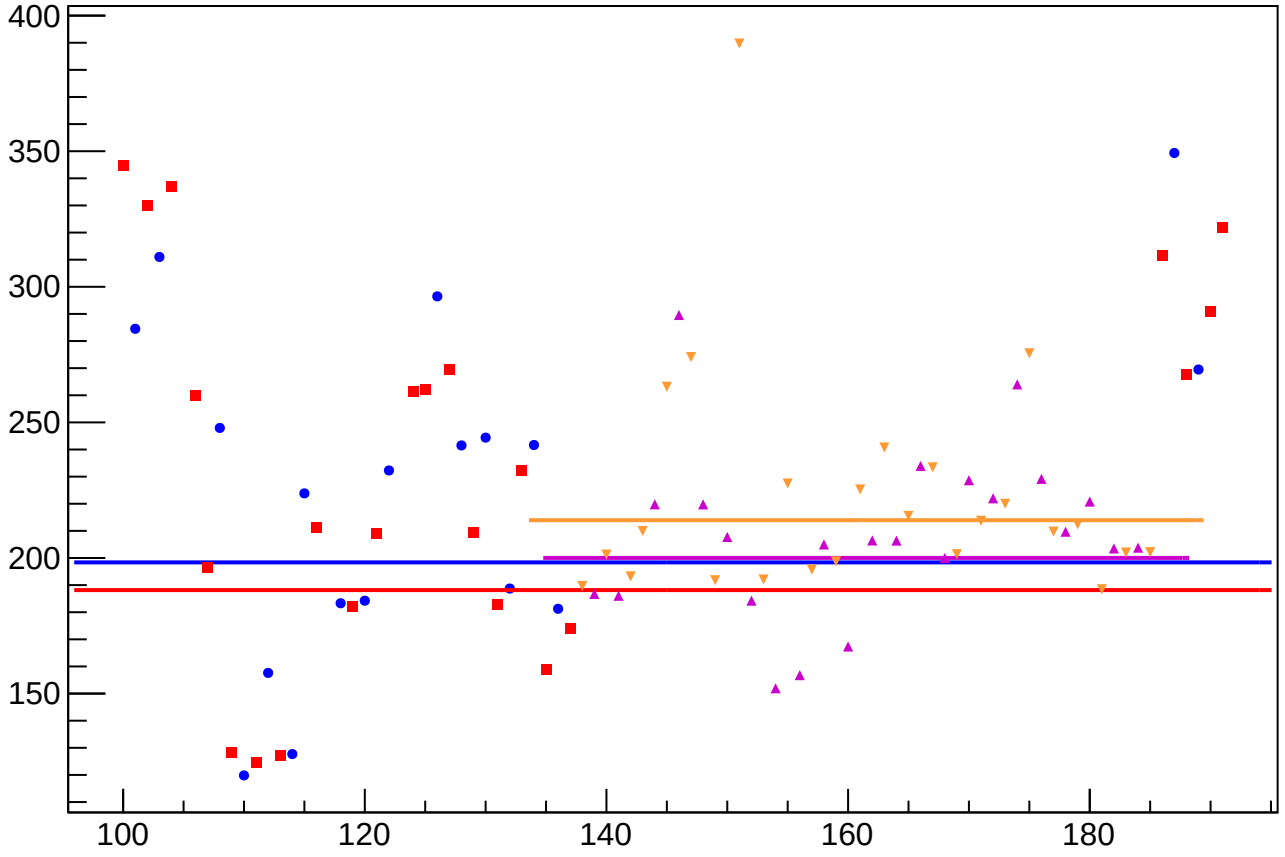
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

+ sign 859.275+/-41.222 χ^2/NDF: 8142.7/42

All: 1161.473+/-28.231 χ^2/NDF: 27522.0/88

- sign 1428.405+/-38.742 χ^2/NDF: 19278.1/45

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: 188.164+/-0.046 χ^2/NDF: 1877824.0/22

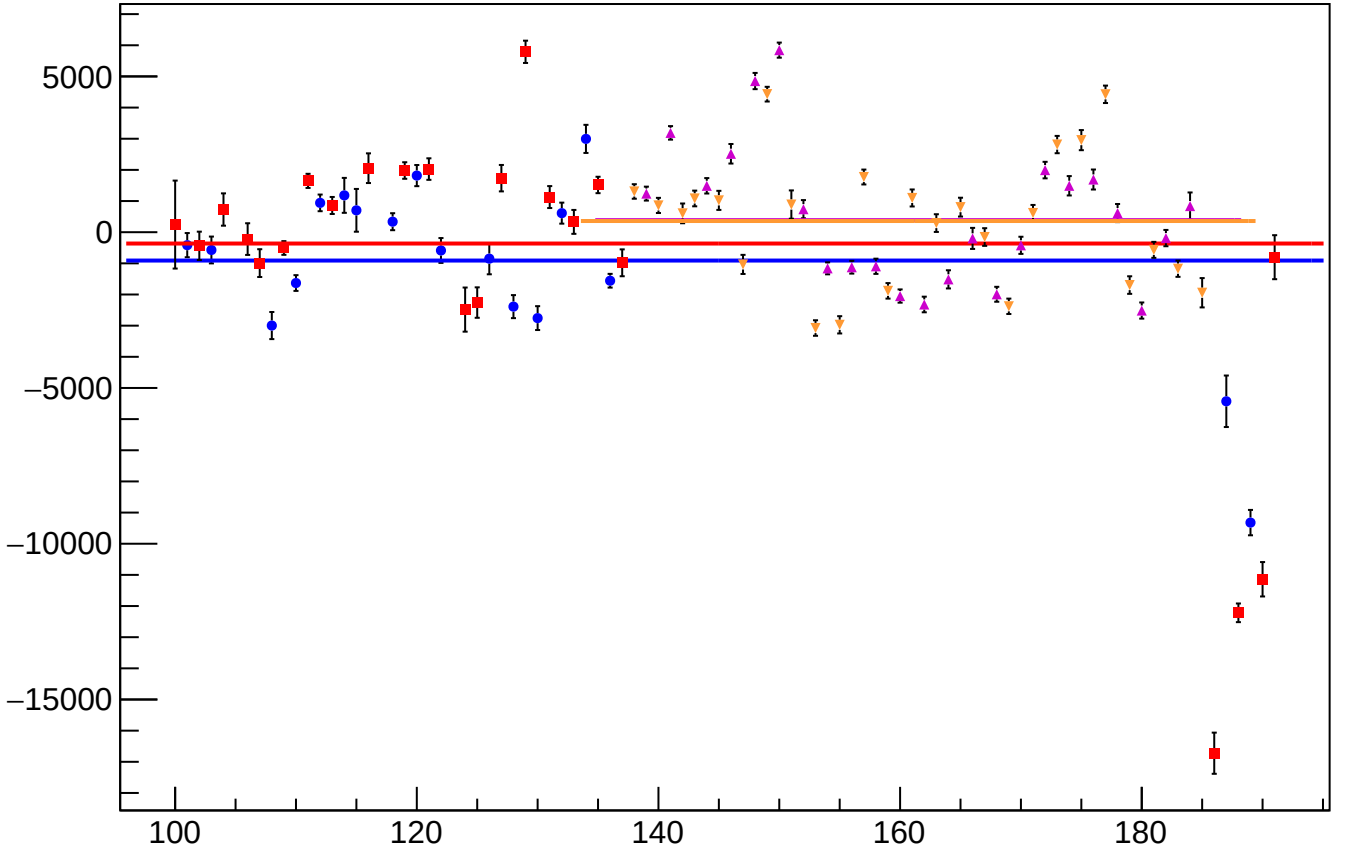
Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 209.118+/-0.029 χ^2/NDF: 1910607.5/42

All: 202.088+/-0.020 χ^2/NDF: 4726191.7/88

- sign 195.878+/-0.027 χ^2/NDF: 2706034.5/45

asym_bpm0i07WS_mean vs Slug



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: -363.876+/-76.396 χ^2/NDF: 3235.8/22

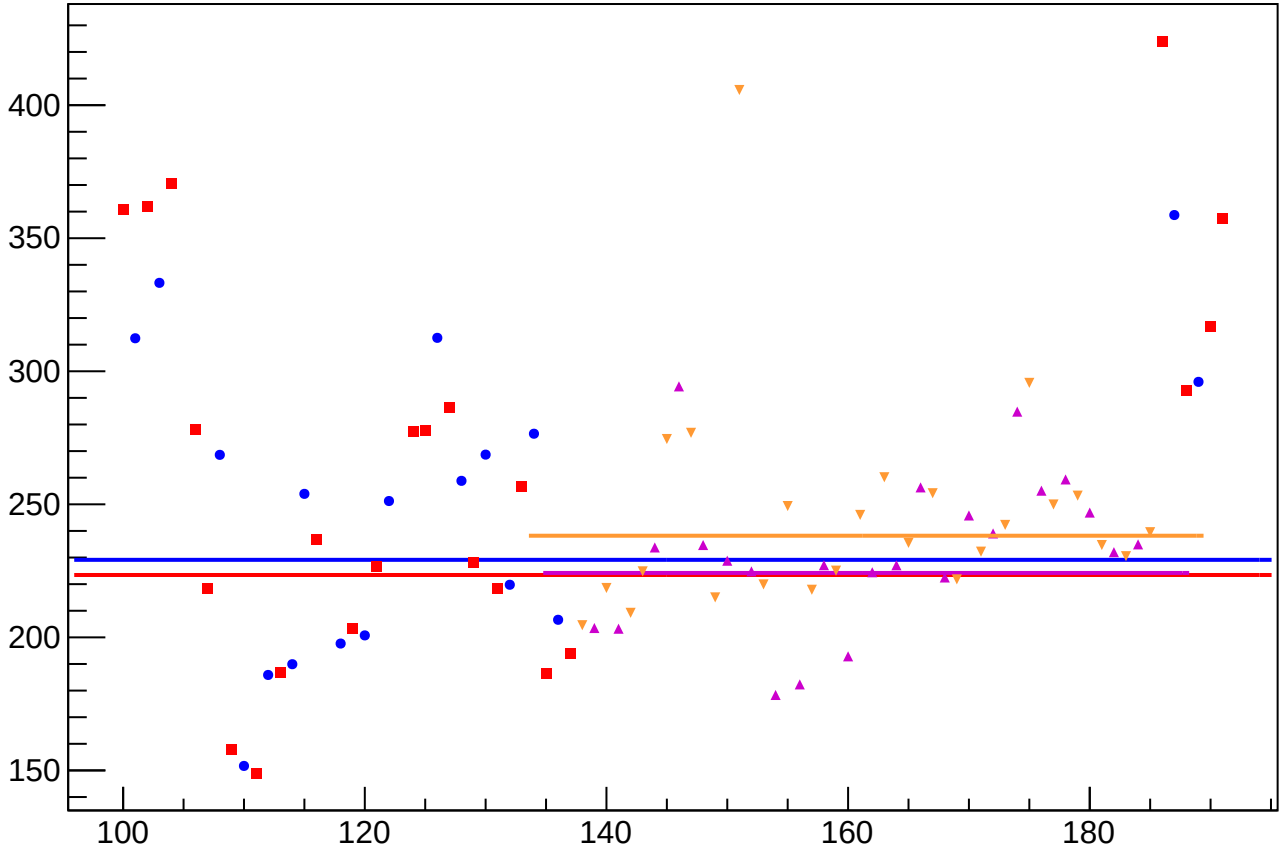
Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

+ sign -19.789+/-46.065 χ^2/NDF: 2364.3/42

All: 63.910+/-31.756 χ^2/NDF: 7475.3/88

- sign 139.712+/-43.838 χ^2/NDF: 5104.8/45

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: 223.443+/-0.054 χ^2/NDF: 1396374.0/22

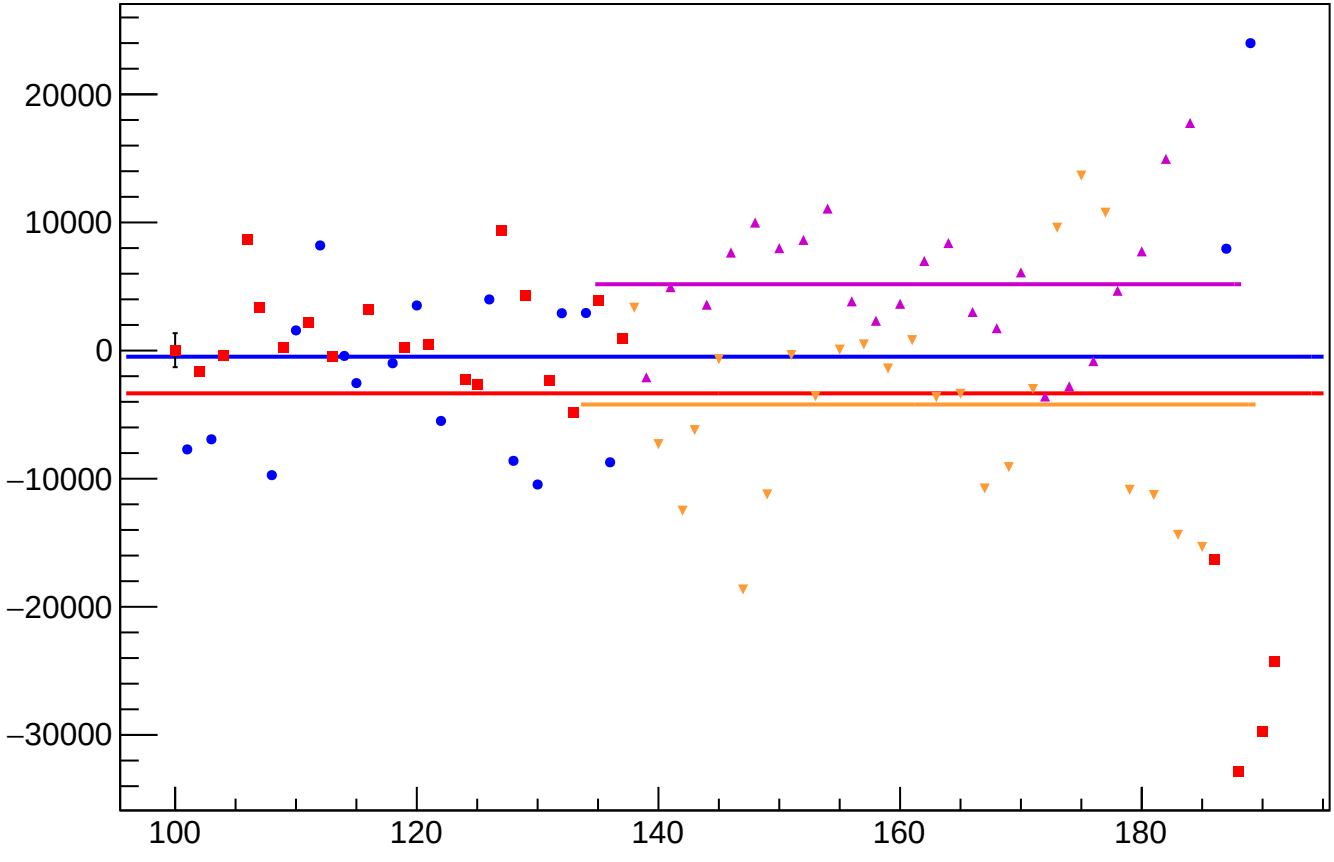
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 235.496+/-0.033 χ^2/NDF: 1345701.0/42

All: 229.442+/-0.022 χ^2/NDF: 3371280.3/88

- sign 223.959+/-0.031 χ^2/NDF: 1959741.1/45

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: -3338.017+/-40.924 χ^2/NDF: 80268.8/22

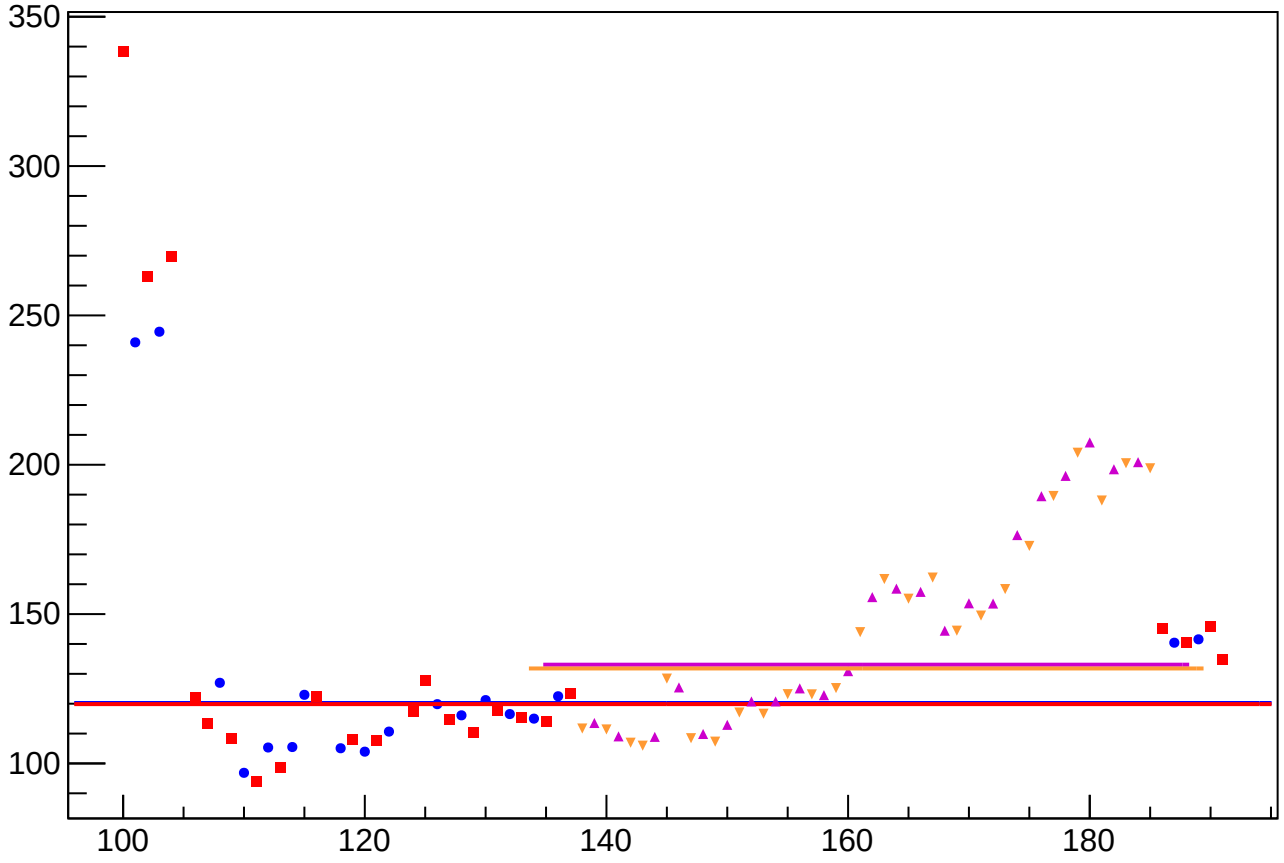
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

+ sign -3018.276+/-25.433 χ^2/NDF: 95632.0/42

All: -510.236+/-17.899 χ^2/NDF: 240601.9/88

- sign 1950.716+/-25.193 χ^2/NDF: 125703.5/45

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: 119.862+/-0.029 χ^2/NDF: 974976.2/22

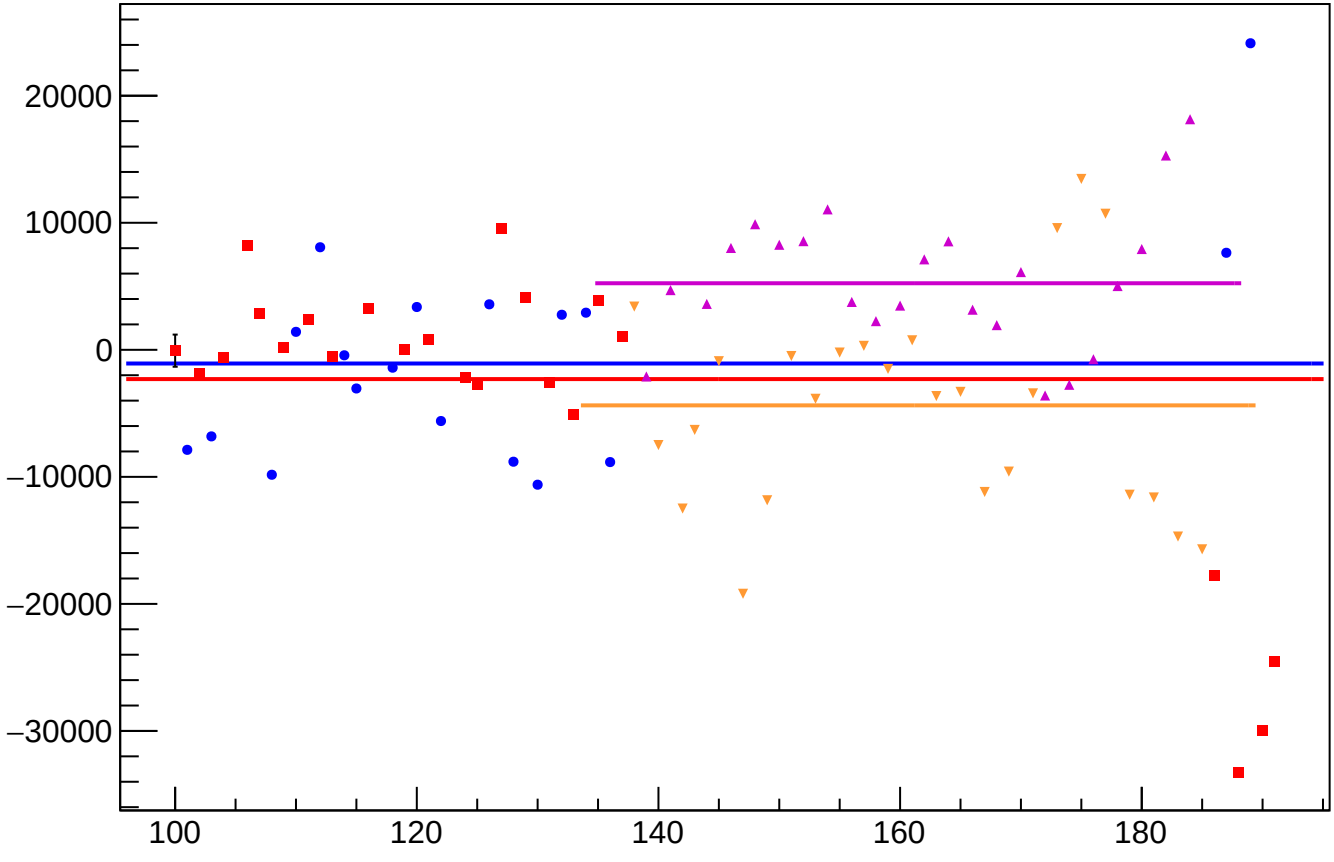
Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 128.104+/-0.018 χ^2/NDF: 2402378.4/42

All: 128.081+/-0.013 χ^2/NDF: 4924821.0/88

- sign 128.059+/-0.018 χ^2/NDF: 2522439.4/45

asym_bpm1i04WS_mean vs Slug



Right In: -1077.282+/-38.621 χ^2/NDF: 39724.2/17

Left Out: -4372.743+/-27.955 χ^2/NDF:67218.5/24

Right Out: -2304.080+/-35.560 χ^2/NDF: 89221.3/22

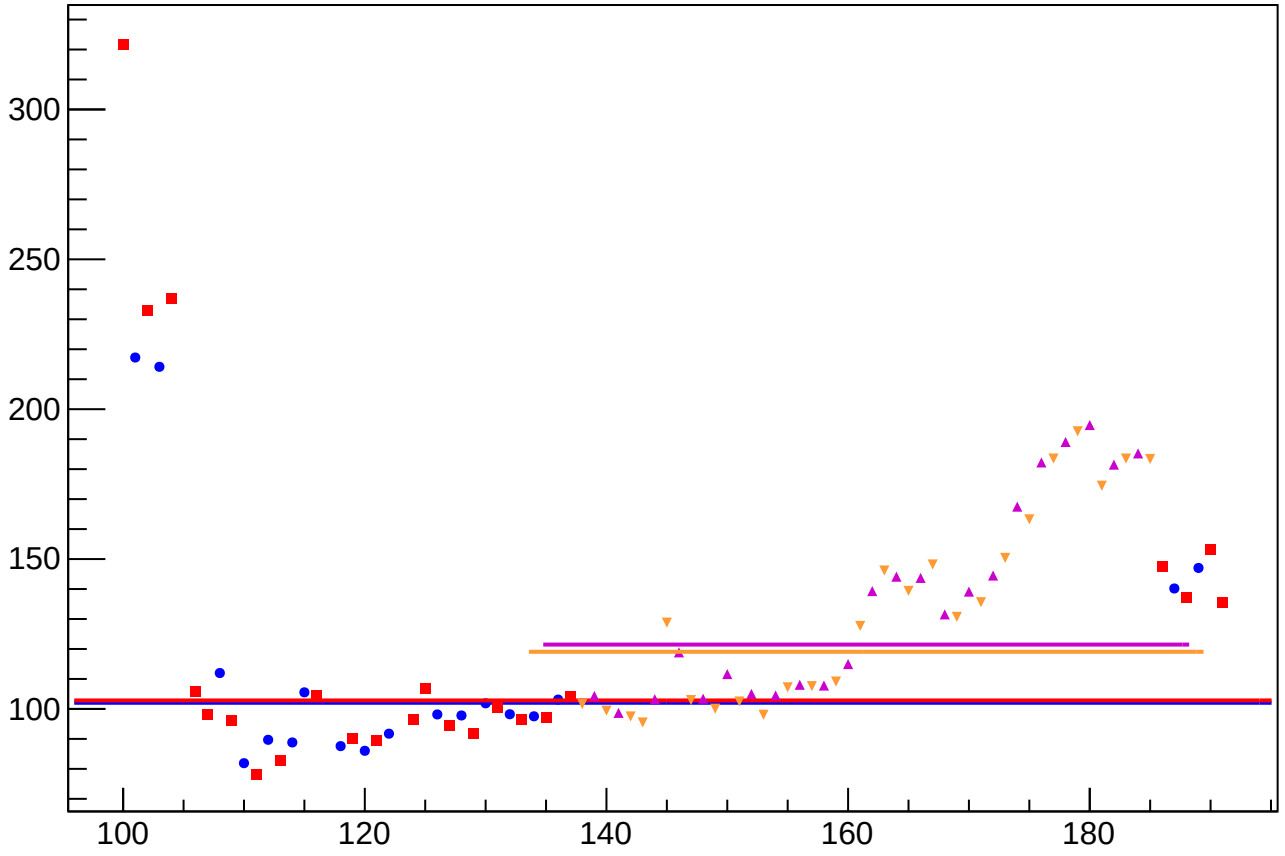
Left In: 5239.784+/-29.252 χ^2/NDF:22273.2/22

+ sign -3239.755+/-22.645 χ^2/NDF: 111720.4/42

All: -515.667+/-15.993 χ^2/NDF: 278927.9/88

- sign 2195.201+/-22.590 χ^2/NDF: 138336.9/45

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: 102.829+/-0.025 χ^2/NDF: 1262638.8/22

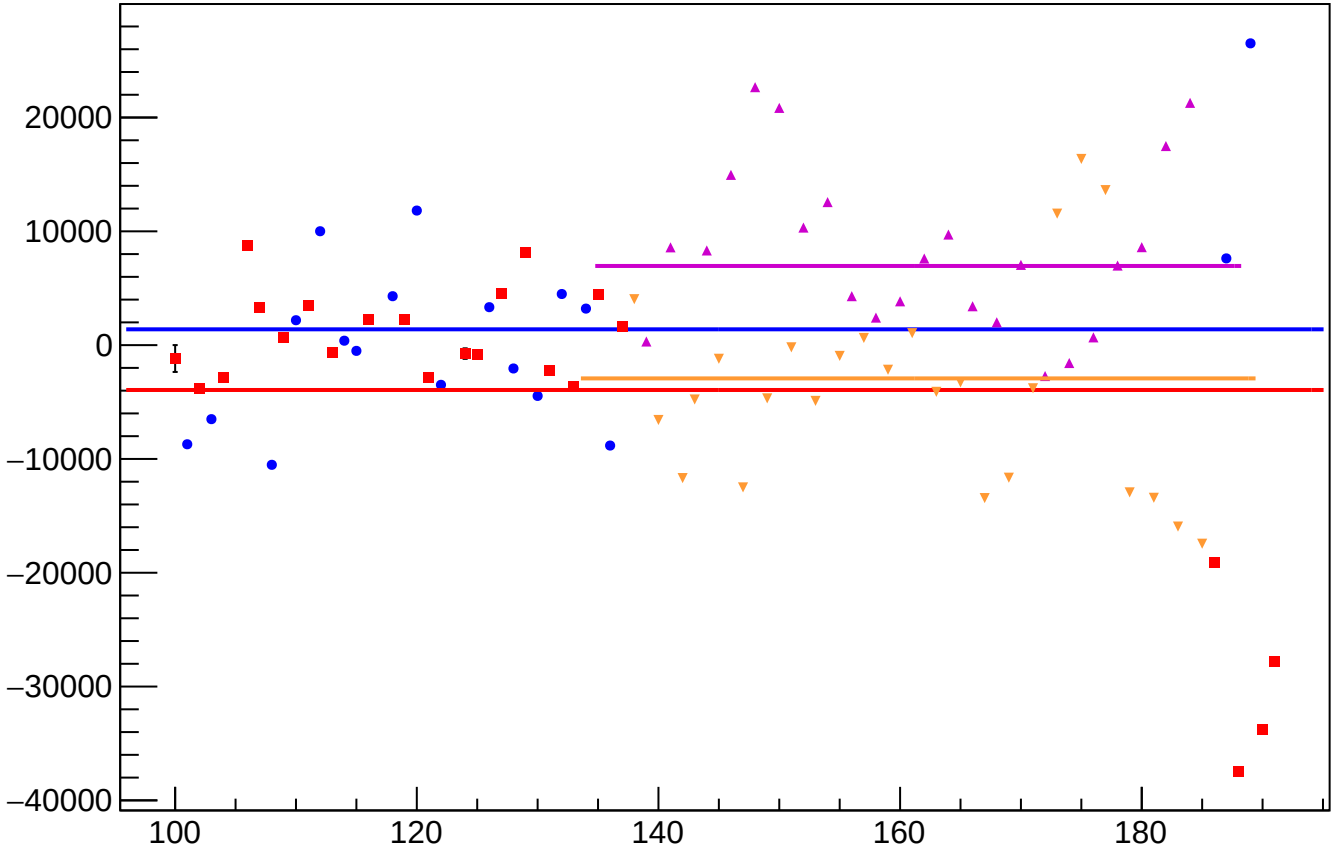
Left In: 121.468+/-0.021 χ^2/NDF:1529379.8/22

+ sign 113.217+/-0.016 χ^2/NDF: 2951413.4/42

All: 113.582+/-0.011 χ^2/NDF: 6072181.7/88

- sign 113.946+/-0.016 χ^2/NDF: 3119730.2/45

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: -3940.613+/-47.561 χ^2/NDF: 74551.2/22

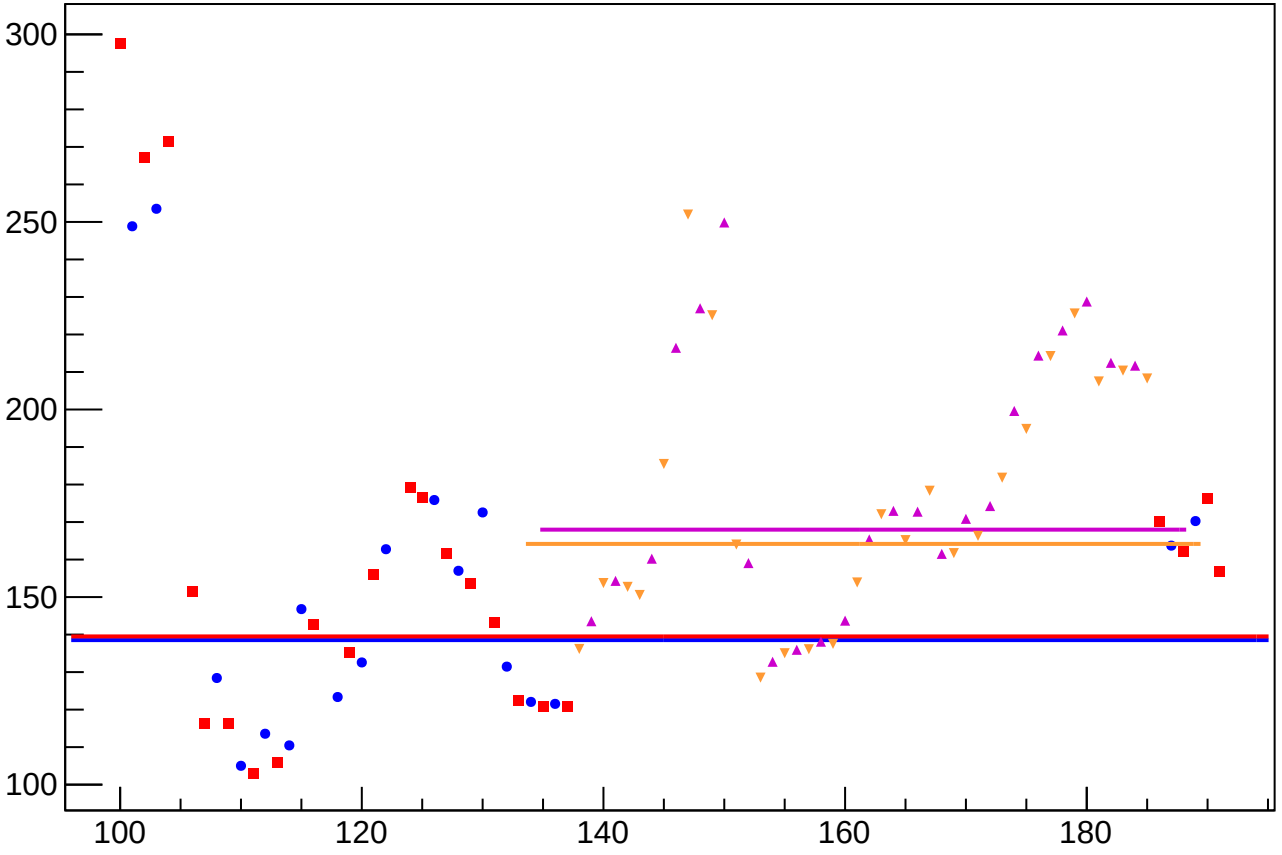
Left In: 6956.884+/-40.245 χ^2/NDF:22339.0/22

+ sign -1398.743+/-30.704 χ^2/NDF: 71764.4/42

All: 504.402+/-21.717 χ^2/NDF: 206937.0/88

- sign 2409.850+/-30.722 χ^2/NDF: 127483.8/45

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

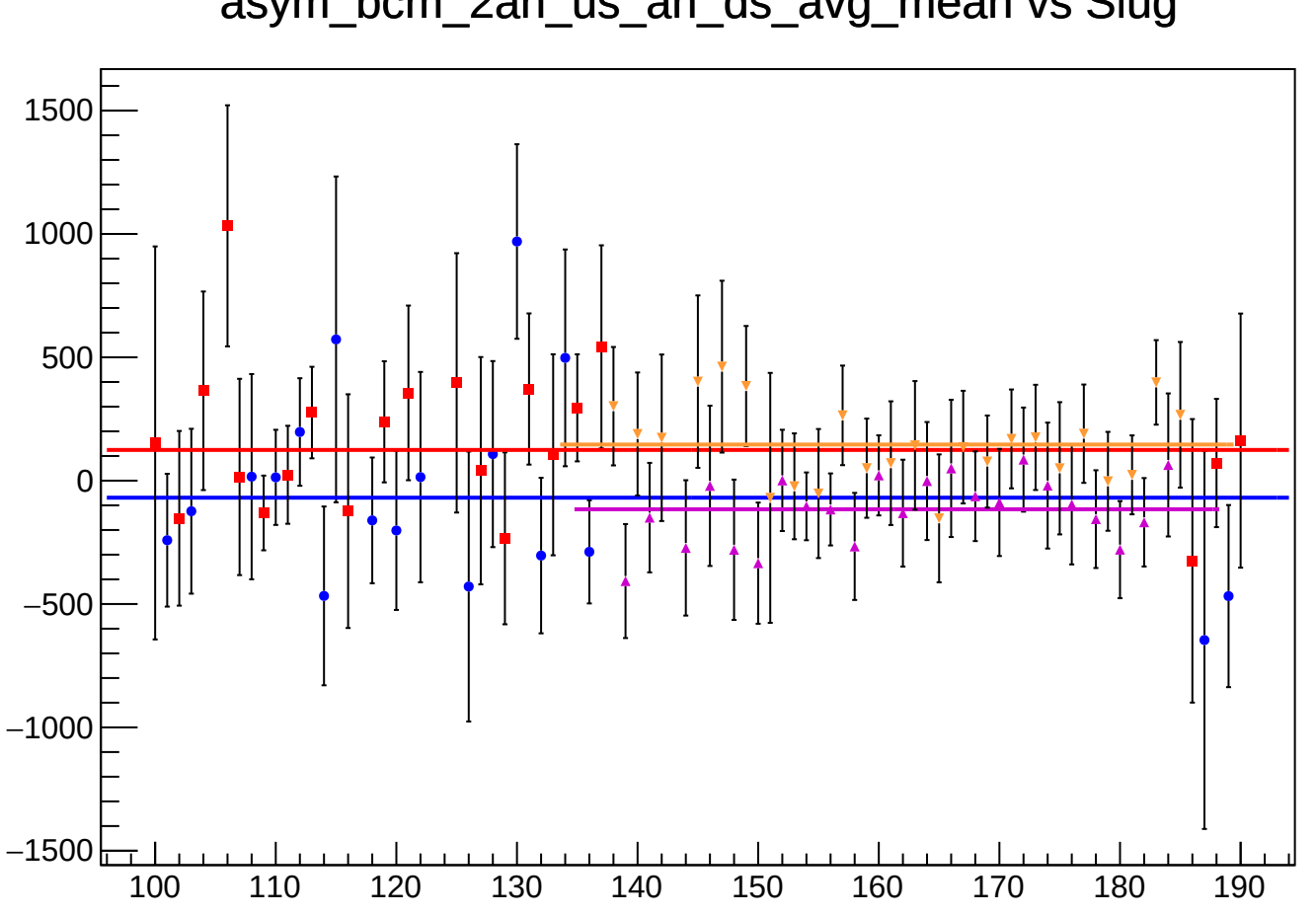
Right Out: 139.511+/-0.034 χ^2/NDF: 1035673.7/22

Left In: 167.975+/-0.028 χ^2/NDF:1222745.4/22

+ sign 155.109+/-0.022 χ^2/NDF: 2388613.9/42

All: 155.603+/-0.015 χ^2/NDF: 5065515.4/88

- sign 156.098+/-0.022 χ^2/NDF: 2675863.0/45



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: 124.535+/-65.197 χ^2/NDF: 13.5/20

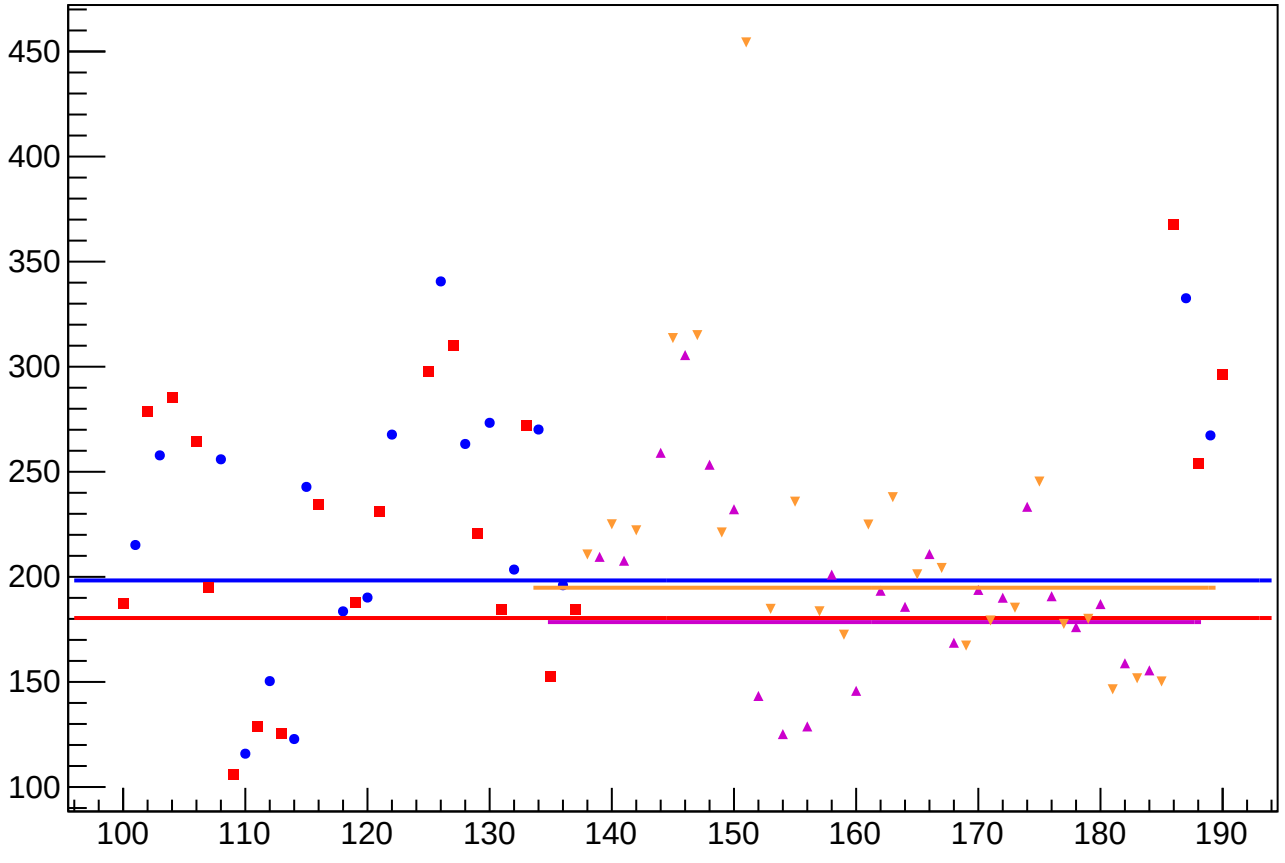
Left In: -115.974+/-43.605 χ^2/NDF:7.6/22

+ sign 85.009+/-39.685 χ^2/NDF: 33.2/41

All: 15.958+/-26.763 χ^2/NDF: 69.3/85

- sign -41.641+/-36.245 χ^2/NDF: 30.5/43

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: 180.414+/-0.046 χ^2/NDF: 2107915.8/20

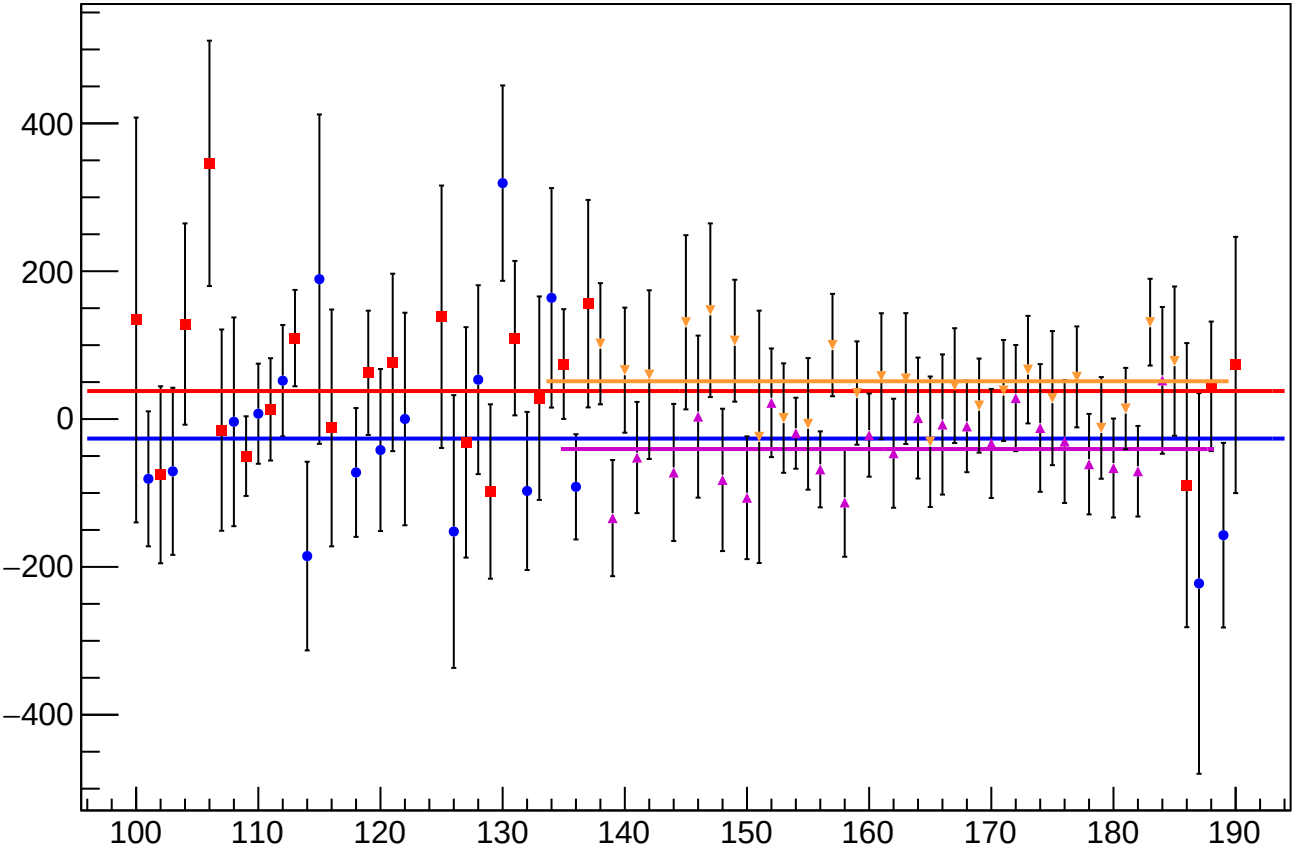
Left In: 178.475+/-0.031 χ^2/NDF:1676266.4/22

+ sign 195.817+/-0.028 χ^2/NDF: 2936908.2/41

All: 186.689+/-0.019 χ^2/NDF: 6916384.8/85

- sign 179.074+/-0.026 χ^2/NDF: 3785403.9/43

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: 37.911+/-22.483 χ^2/NDF: 13.1/20

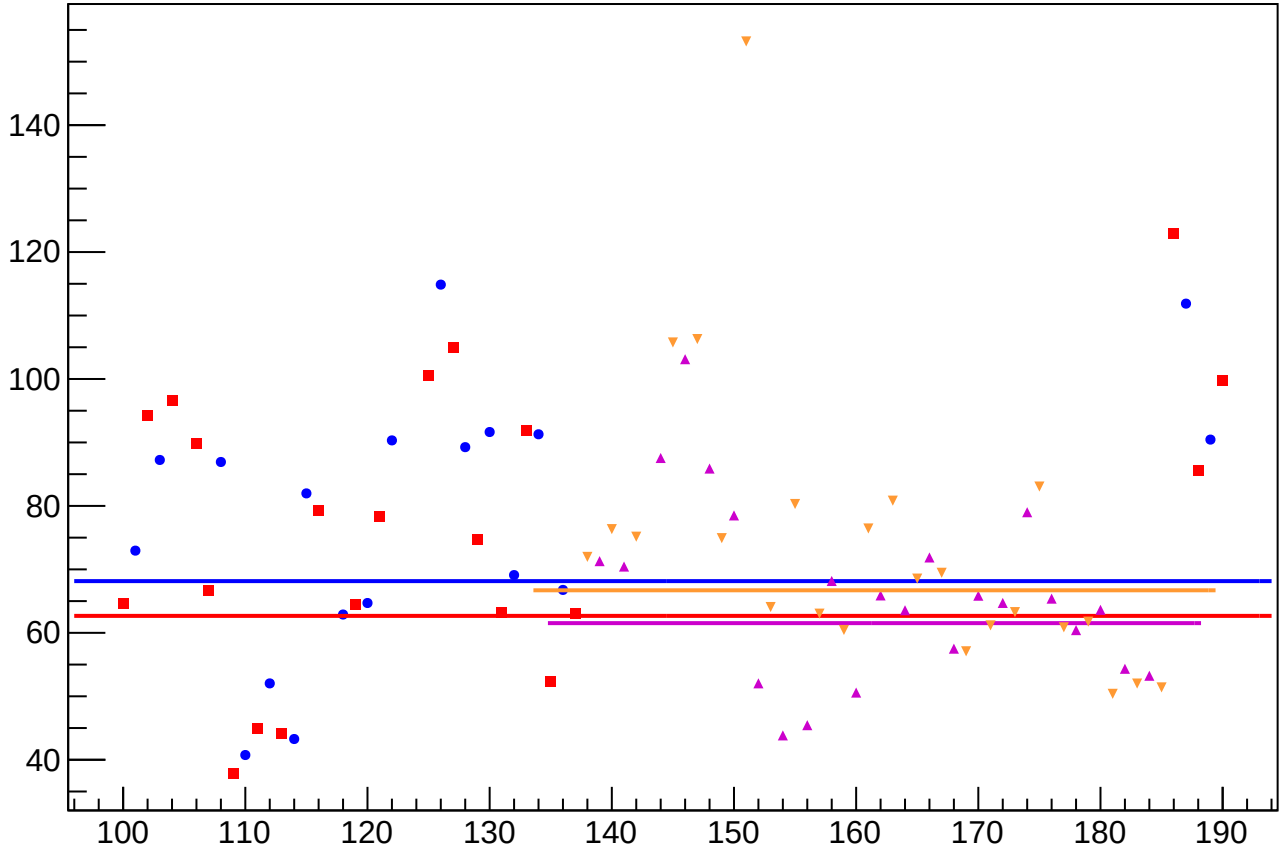
Left In: -40.540+/-14.978 χ^2/NDF:7.9/22

+ sign 29.115+/-13.567 χ^2/NDF: 31.7/41

All: 4.420+/-9.179 χ^2/NDF: 67.2/85

- sign -16.425+/-12.465 χ^2/NDF: 29.4/43

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: 62.673+/-0.016 χ^2/NDF: 1908292.9/20

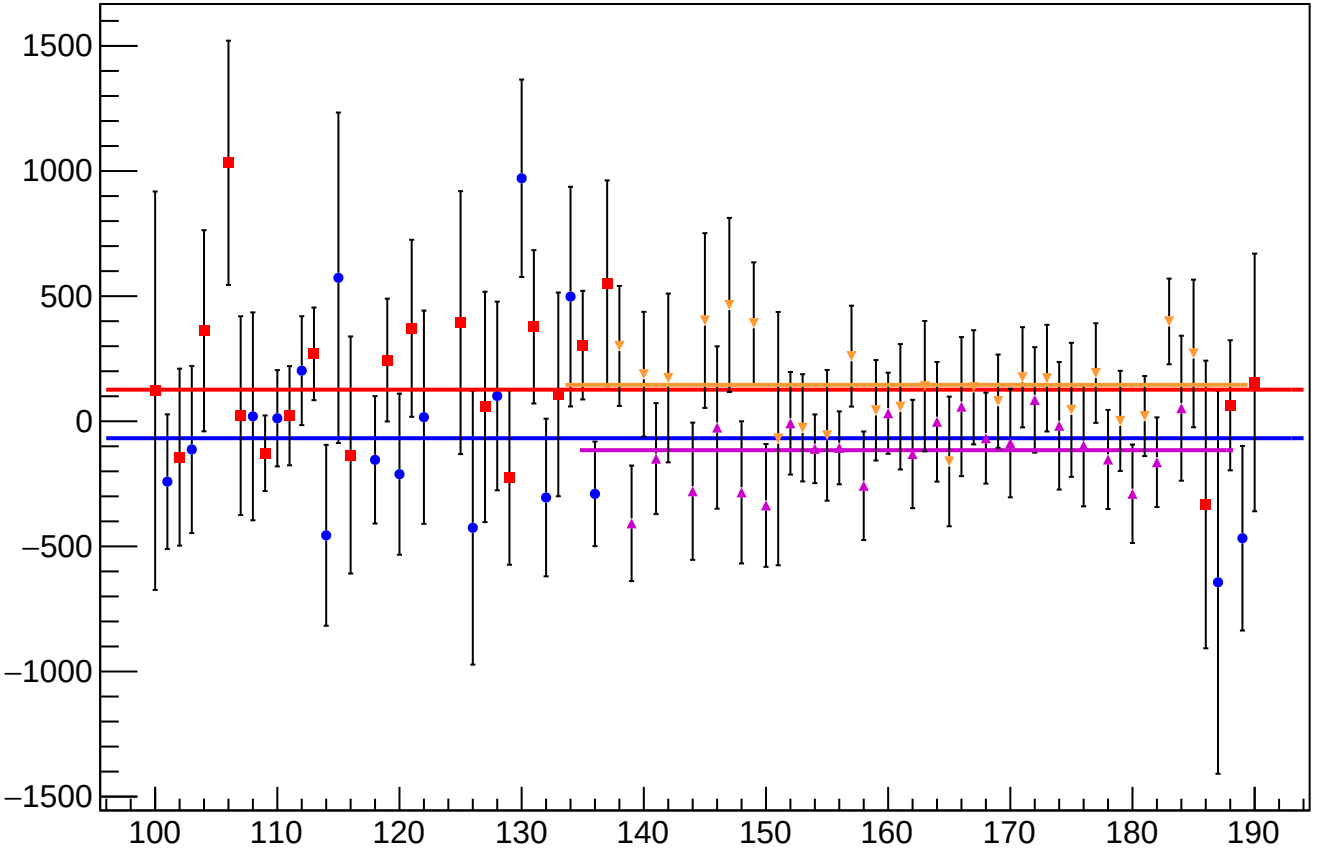
Left In: 61.529+/-0.011 χ^2/NDF:1489848.4/22

+ sign 67.114+/-0.010 χ^2/NDF: 2755385.2/41

All: 64.276+/-0.006 χ^2/NDF: 6318520.7/85

- sign 61.880+/-0.009 χ^2/NDF: 3401727.9/43

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: 126.289+/-65.118 χ^2/NDF: 13.6/20

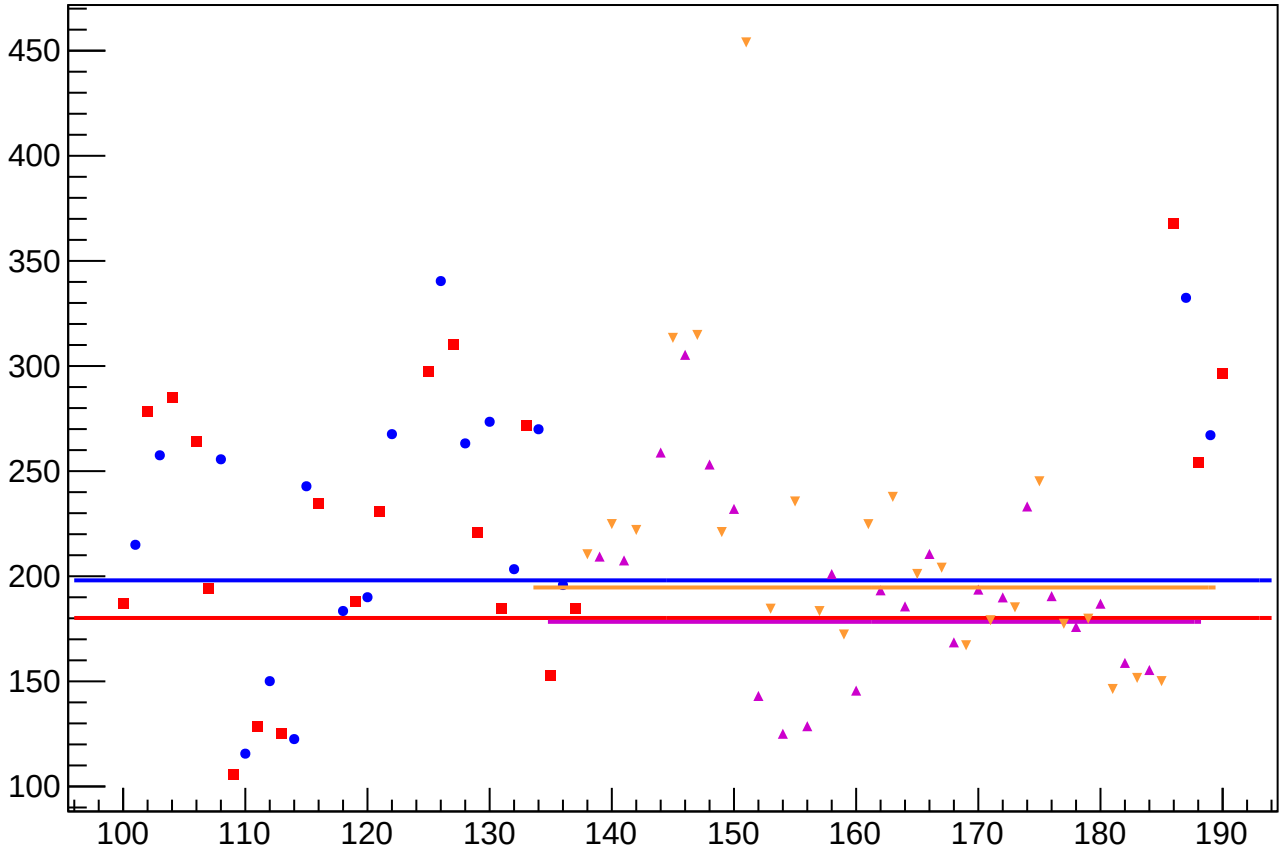
Left In: -115.487+/-43.568 χ^2/NDF:7.8/22

+ sign 84.728+/-39.648 χ^2/NDF: 33.4/41

All: 16.328+/-26.738 χ^2/NDF: 69.7/85

- sign -40.725+/-36.211 χ^2/NDF: 30.9/43

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: 180.149+/-0.046 χ^2/NDF: 2115655.0/20

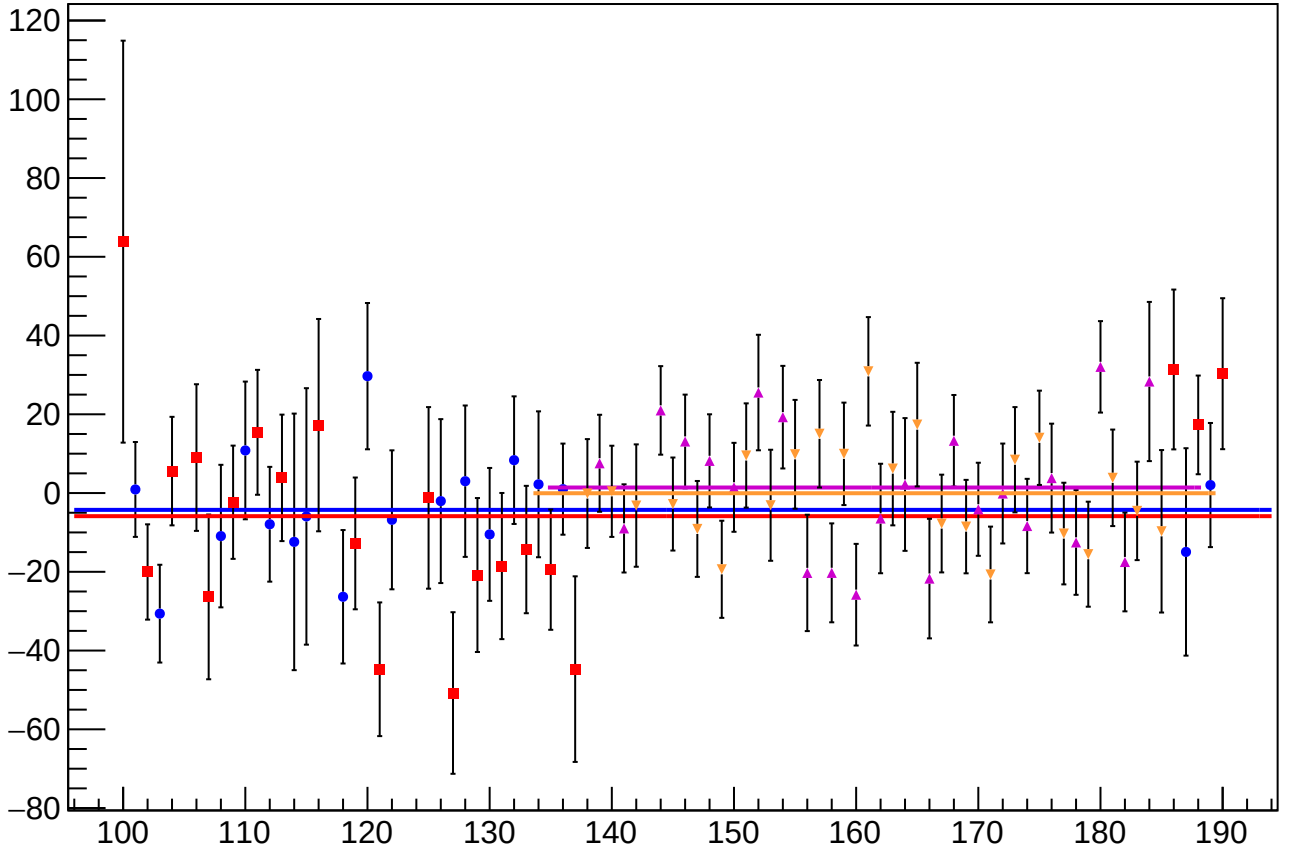
Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

+ sign 195.625+/-0.028 χ^2/NDF: 2942295.9/41

All: 186.497+/-0.019 χ^2/NDF: 6931780.4/85

- sign 178.884+/-0.026 χ^2/NDF: 3795084.0/43

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: -5.869+/-3.781 χ^2/NDF: 33.9/20

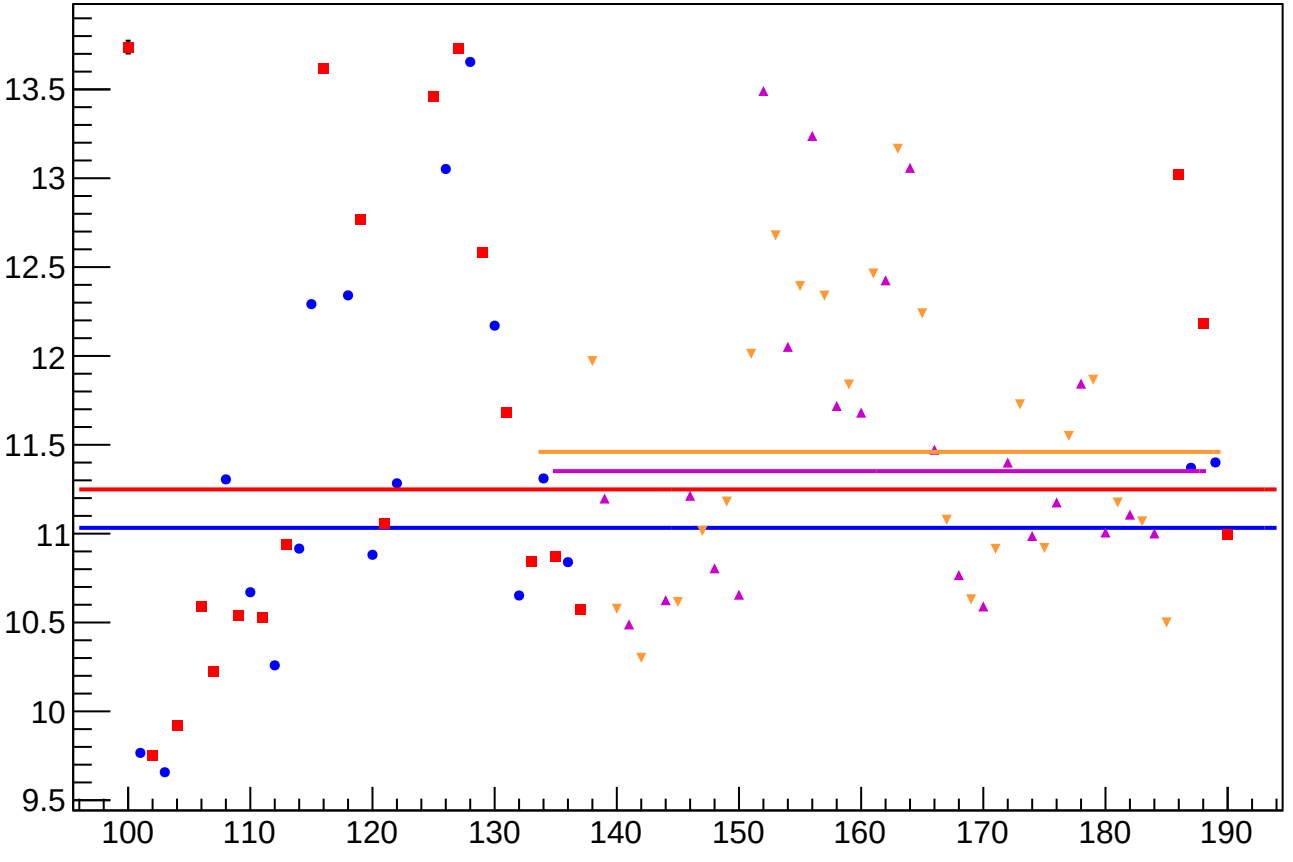
Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign -1.381+/-2.221 χ^2/NDF: 33.6/41

All: -1.197+/-1.557 χ^2/NDF: 106.3/85

- sign -1.019+/-2.183 χ^2/NDF: 72.7/43

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

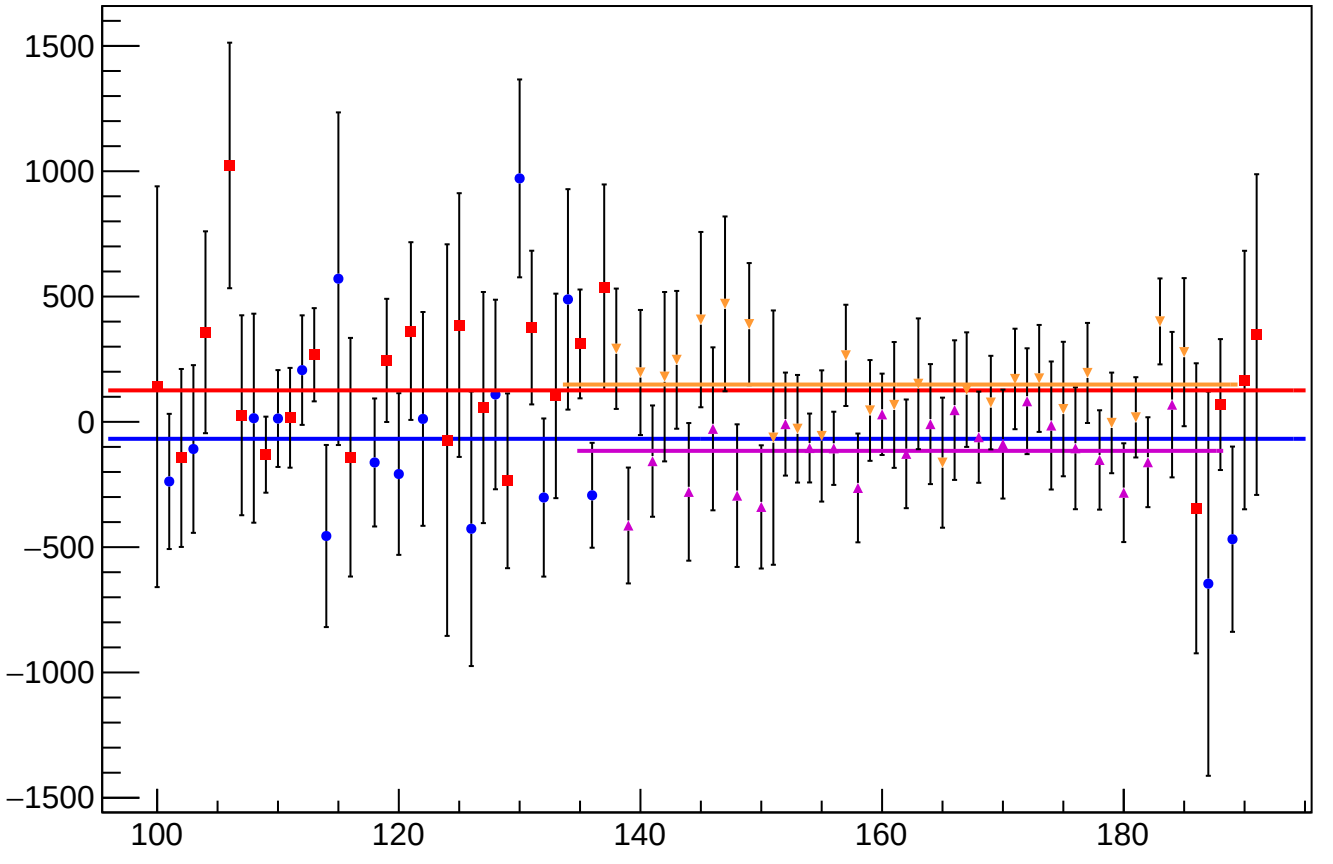
Right Out: 11.249+/-0.003 χ^2/NDF: 192069.8/20

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

+ sign 11.325+/-0.002 χ^2/NDF: 304159.2/41

All: 11.321+/-0.001 χ^2/NDF: 667789.4/85

- sign 11.317+/-0.002 χ^2/NDF: 363618.4/43



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: 125.574+/-64.766 χ^2/NDF: 13.7/22

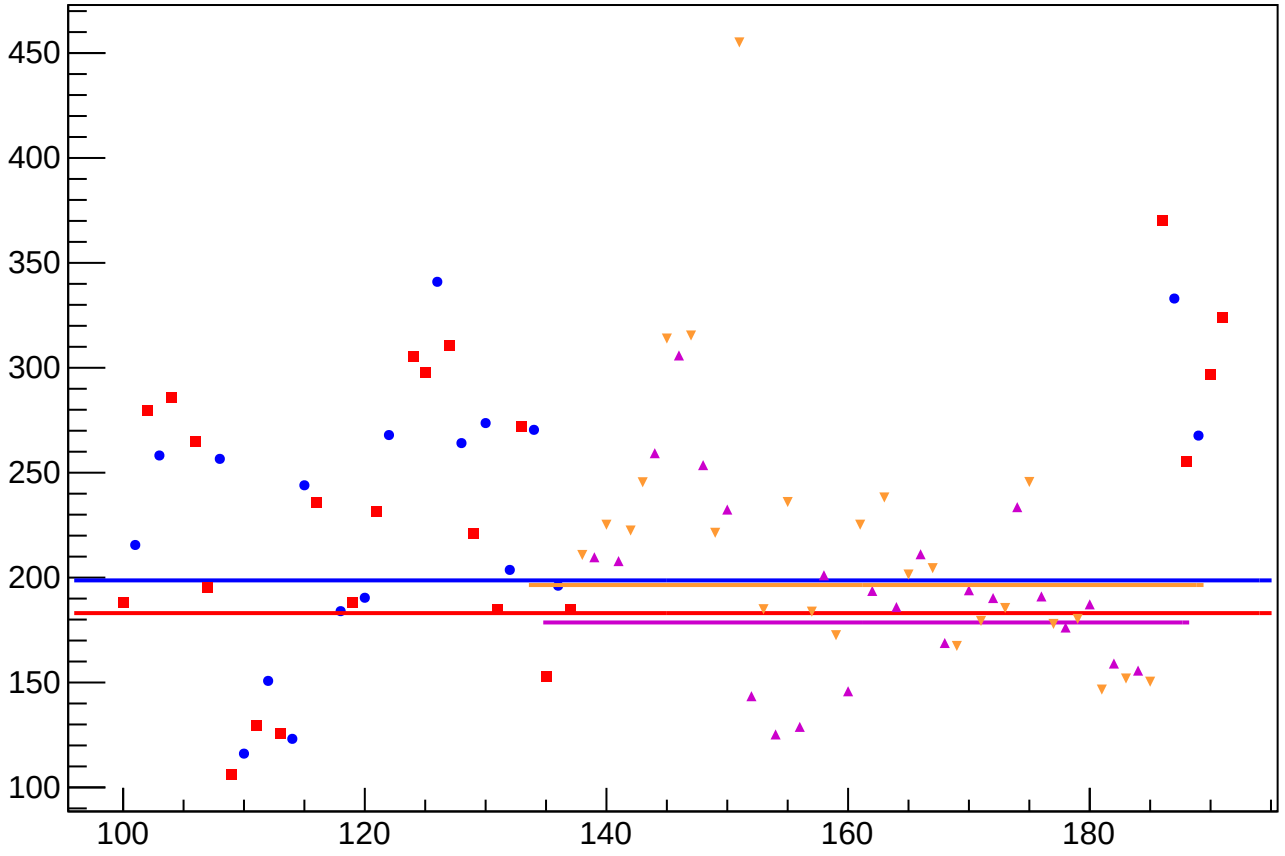
Left In: -115.709+/-43.641 χ^2/NDF:7.8/22

+ sign 88.536+/-39.326 χ^2/NDF: 33.8/42

All: 18.743+/-26.631 χ^2/NDF: 70.7/88

- sign -40.366+/-36.191 χ^2/NDF: 31.0/45

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: 183.076+/-0.046 χ^2/NDF: 2259882.2/22

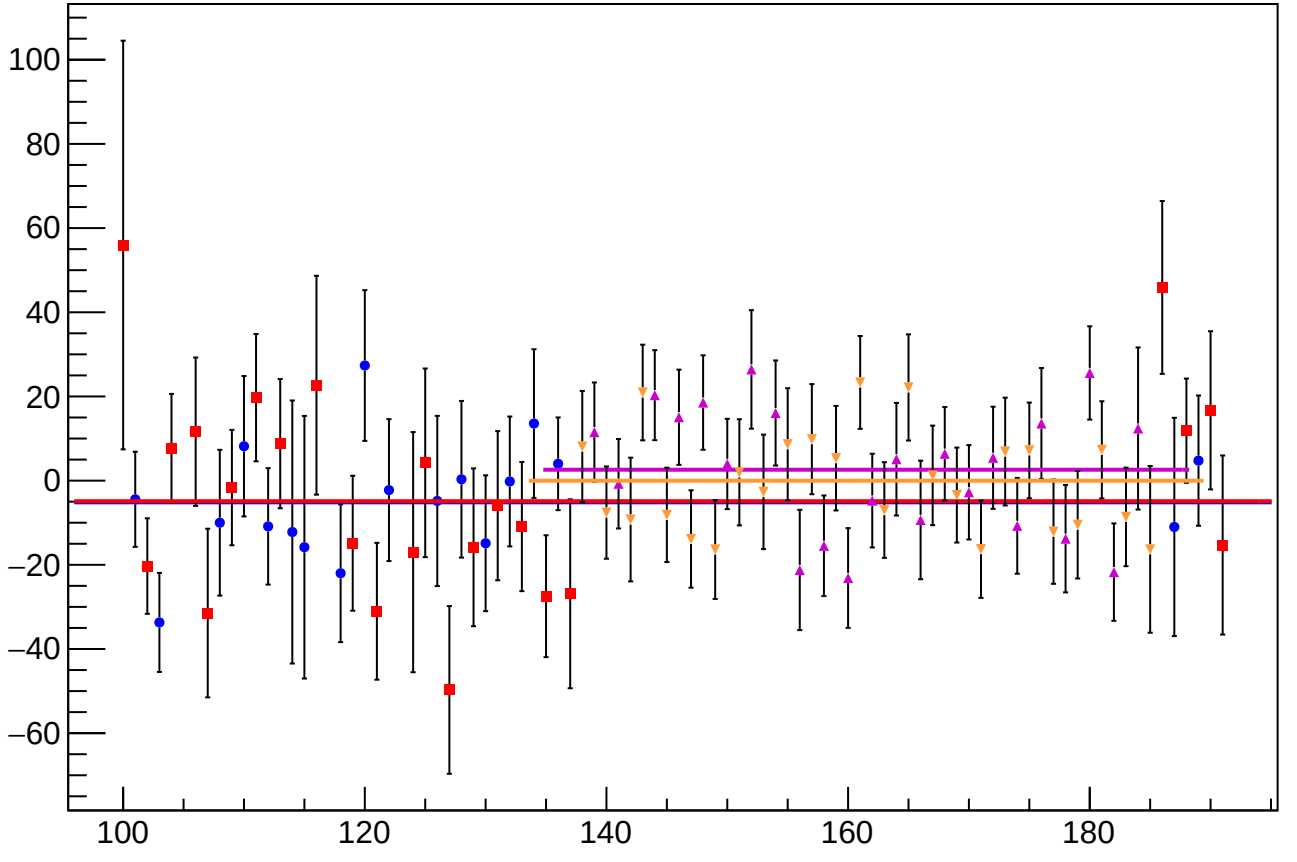
Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

\+ sign 197.072+/-0.028 χ^2/NDF: 2999464.8/42

All: 187.832+/-0.019 χ^2/NDF: 7148633.9/88

\- sign 180.007+/-0.026 χ^2/NDF: 3945271.1/45

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: -4.885+/-3.543 χ^2/NDF: 33.4/22

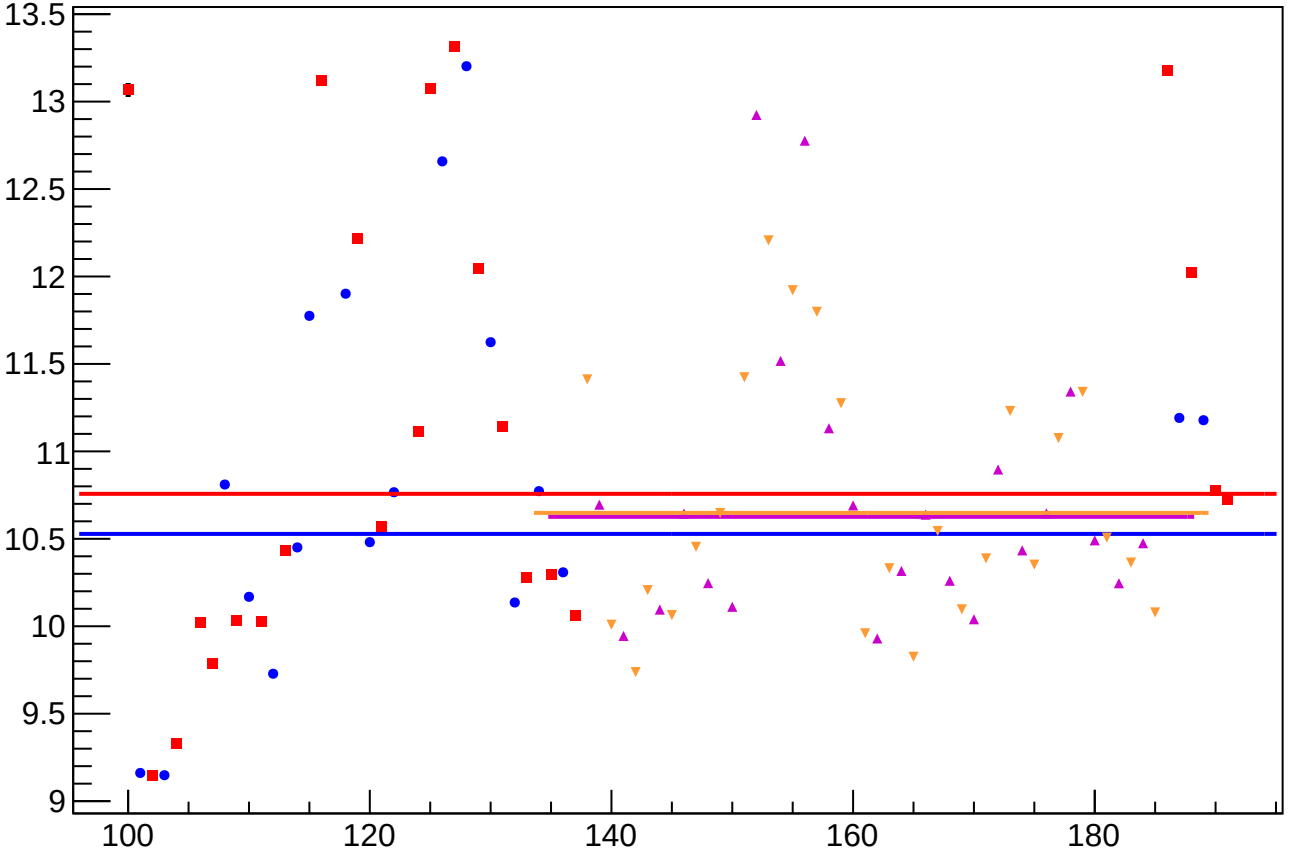
Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

+ sign -1.533+/-2.052 χ^2/NDF: 39.2/42

All: -0.715+/-1.449 χ^2/NDF: 110.6/88

- sign 0.098+/-2.046 χ^2/NDF: 71.1/45

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: 241479.2/22

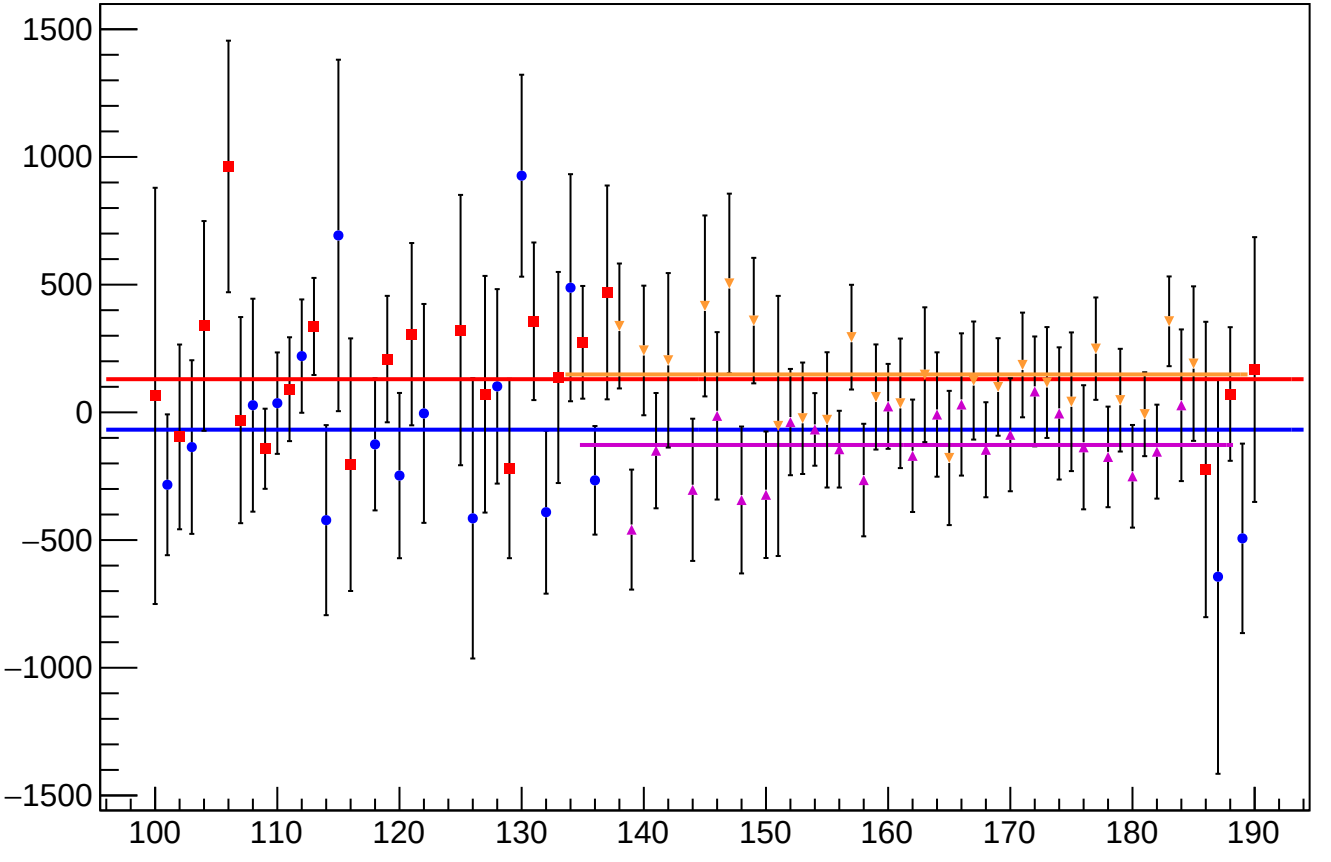
Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

+ sign 10.613+/-0.001 χ^2/NDF: 307595.0/42

All: 10.641+/-0.001 χ^2/NDF: 711220.8/88

- sign 10.670+/-0.001 χ^2/NDF: 402858.7/45

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: 129.851+/-66.463 χ^2/NDF: 11.9/20

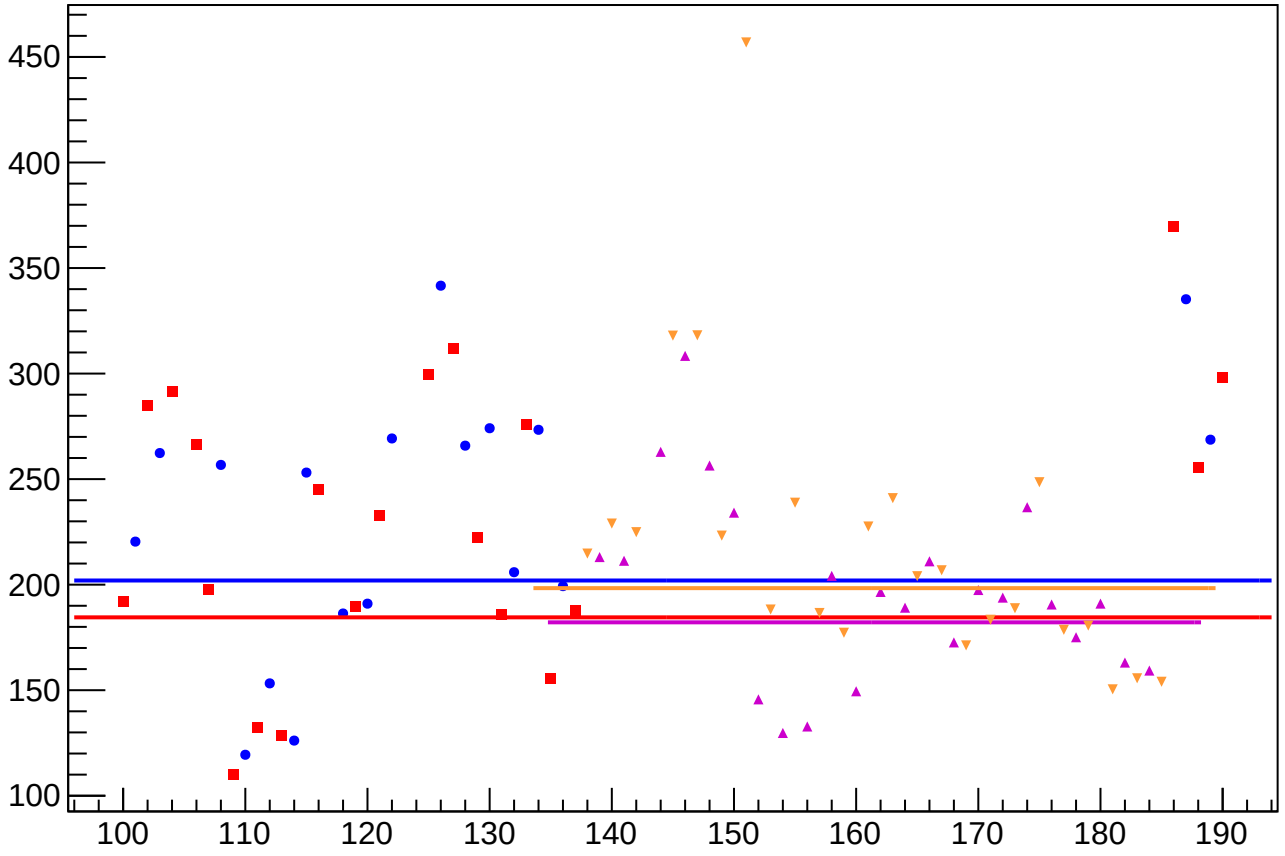
Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

+ sign 86.795+/-40.350 χ^2/NDF: 33.2/41

All: 13.361+/-27.244 χ^2/NDF: 69.4/85

- sign -48.169+/-36.935 χ^2/NDF: 30.1/43

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: 184.513+/-0.047 χ^2/NDF: 2024006.9/20

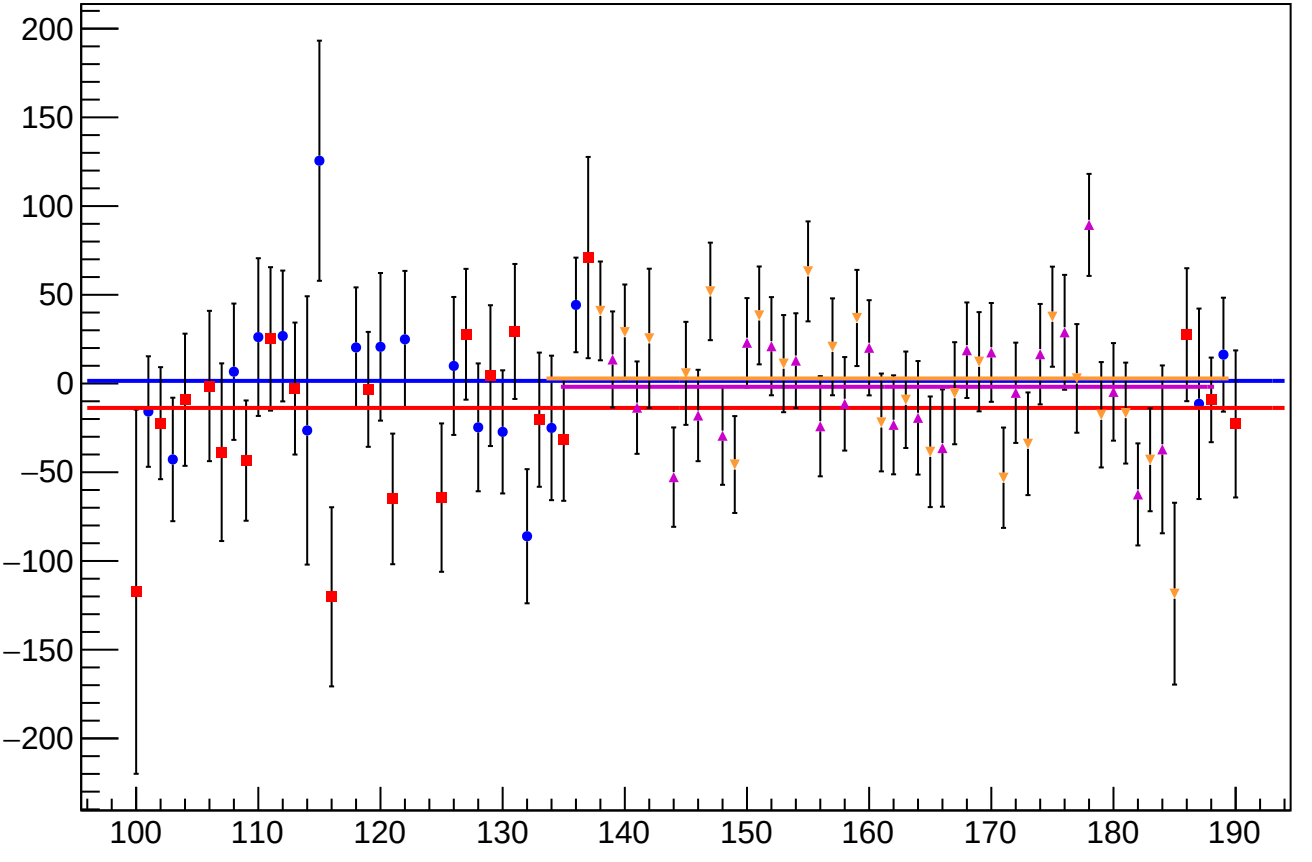
Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

+ sign 199.384+/-0.029 χ^2/NDF: 2831041.9/41

All: 190.404+/-0.019 χ^2/NDF: 6623208.1/85

- sign 182.880+/-0.026 χ^2/NDF: 3610111.7/43

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: -13.751+/-8.276 χ^2/NDF: 17.8/20

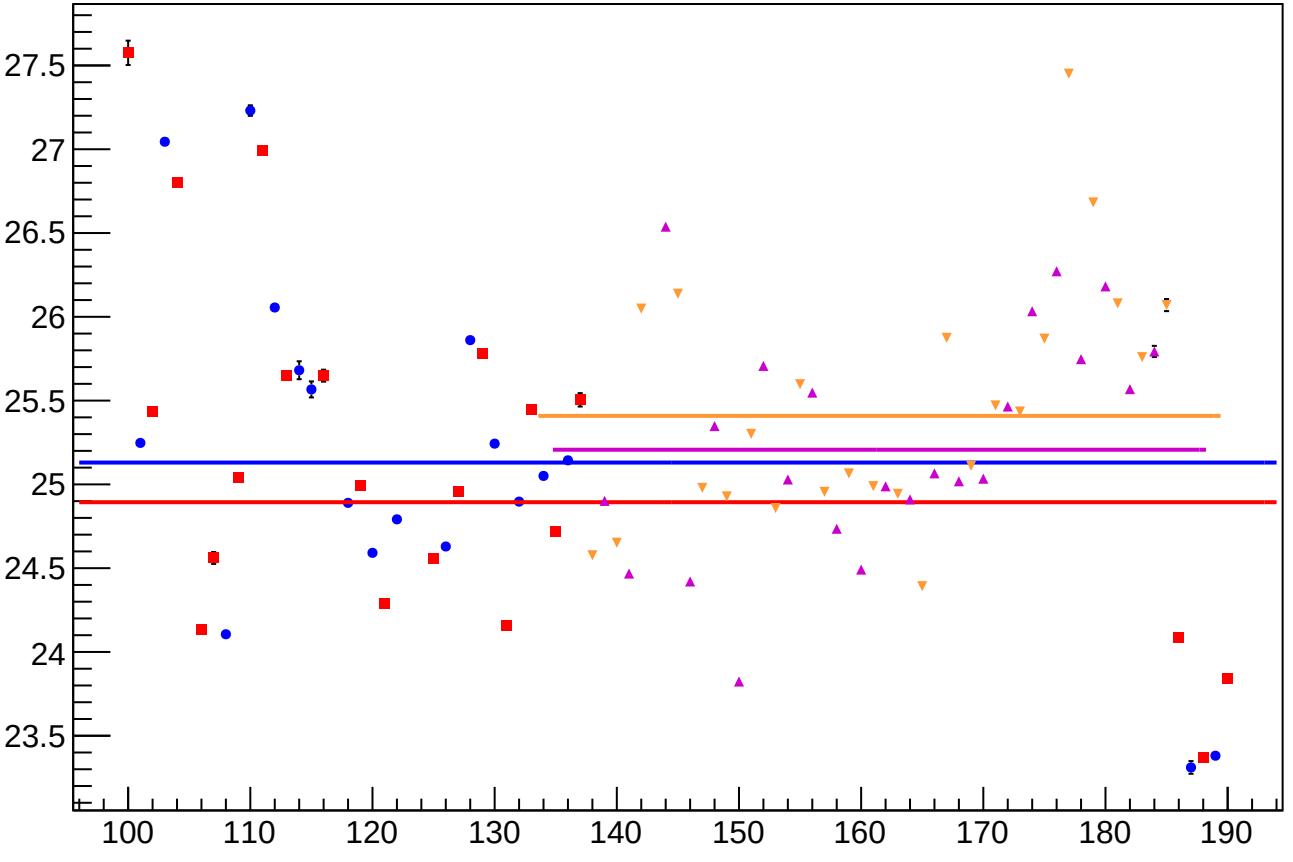
Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

+ sign 2.436+/-4.923 χ^2/NDF: 53.9/41

All: -1.813+/-3.437 χ^2/NDF: 102.6/85

- sign -5.854+/-4.800 χ^2/NDF: 47.2/43

asym_bcm_dg_us_dg_ds_dd_rms vs Slug



Right In: 25.130+/-0.006 χ^2/NDF: 23513.5/17

Left Out: 25.409+/-0.004 χ^2/NDF:26863.6/23

Right Out: 24.894+/-0.006 χ^2/NDF: 28149.6/20

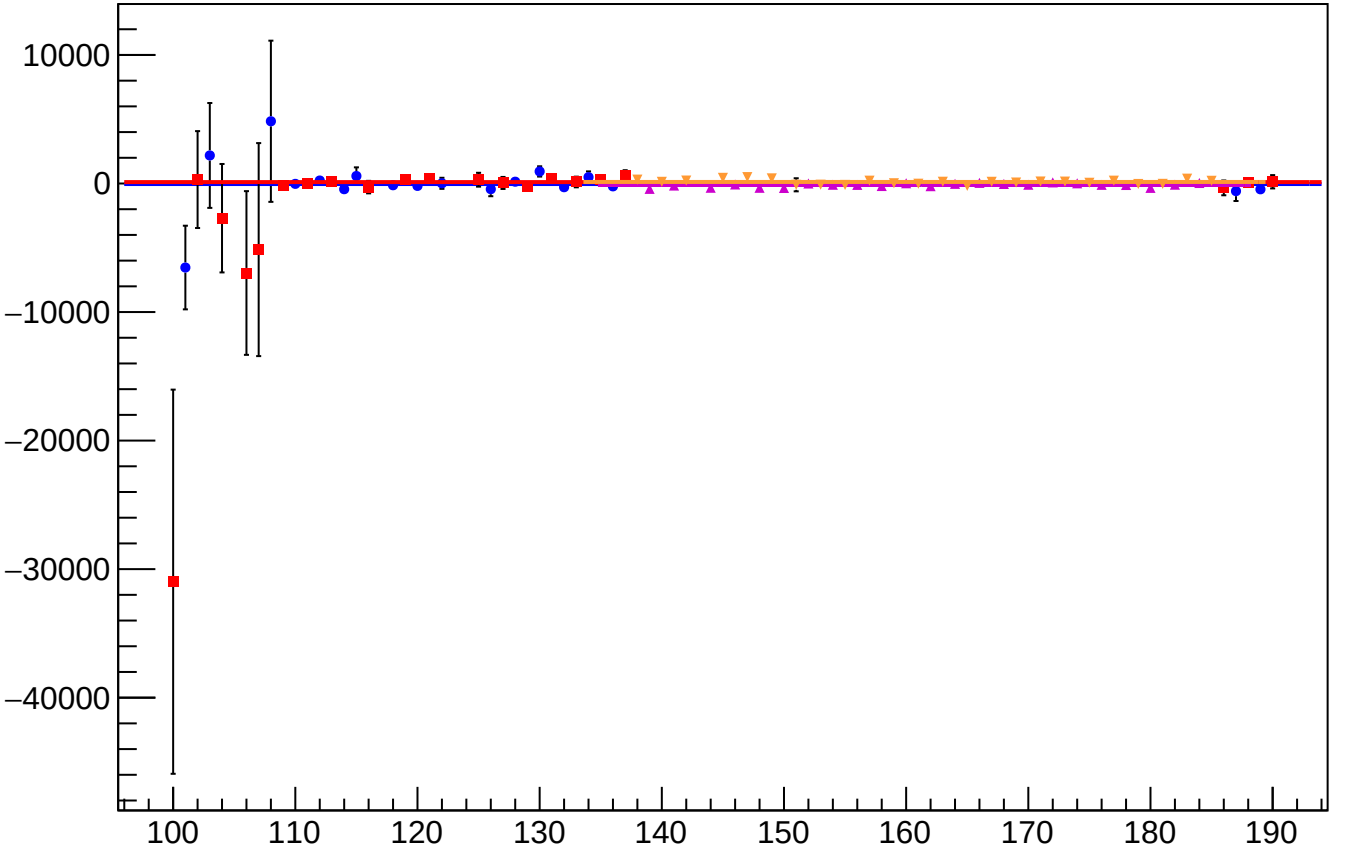
Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

+ sign 25.324+/-0.003 χ^2/NDF: 51733.0/41

All: 25.210+/-0.002 χ^2/NDF: 109701.1/85

- sign 25.101+/-0.003 χ^2/NDF: 55876.6/43

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: 109.558+/-73.585 χ^2/NDF: 15.0/20

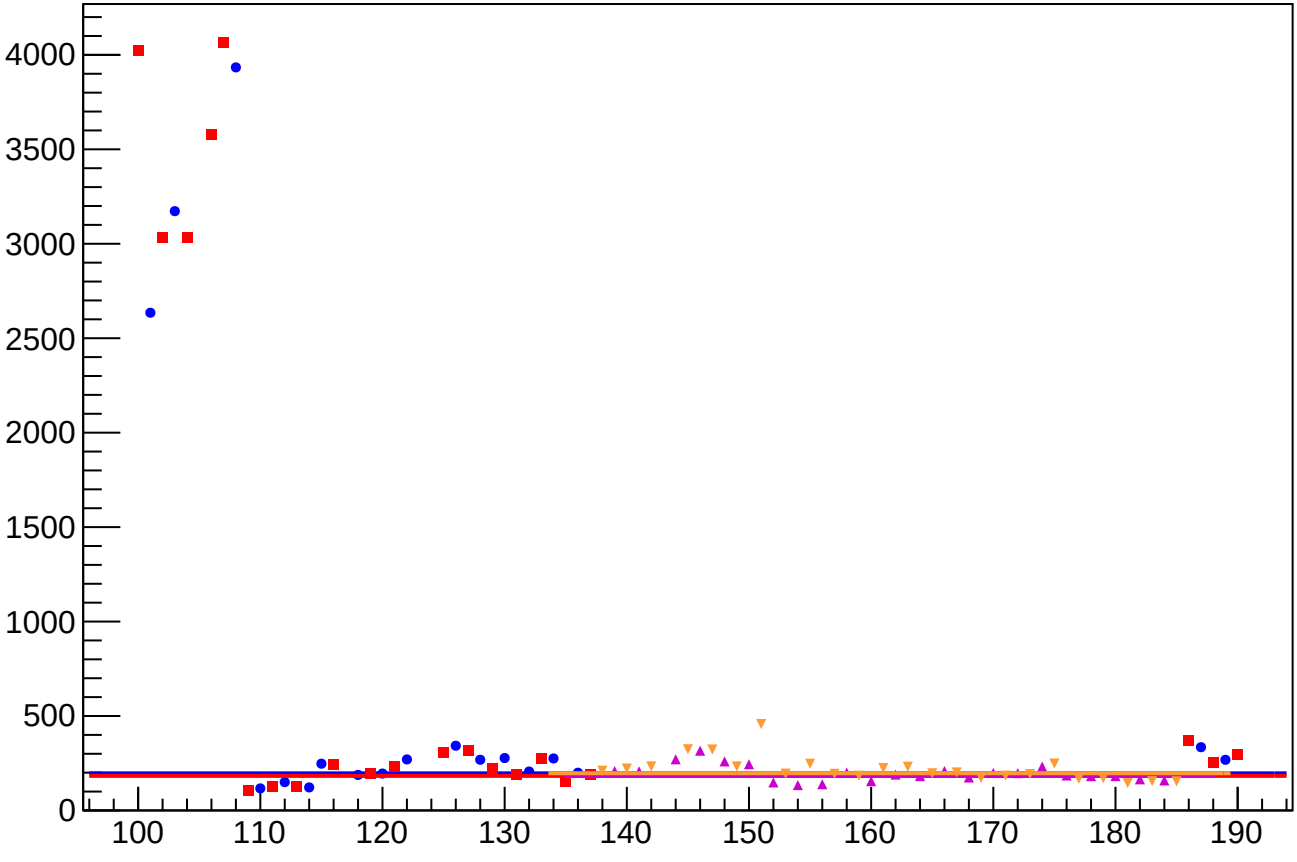
Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign 79.685+/-41.047 χ^2/NDF: 35.0/41

All: 7.498+/-27.986 χ^2/NDF: 71.1/85

- sign -55.209+/-38.257 χ^2/NDF: 30.3/43

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: 183.032+/-0.052 χ^2/NDF: 4765593.1/20

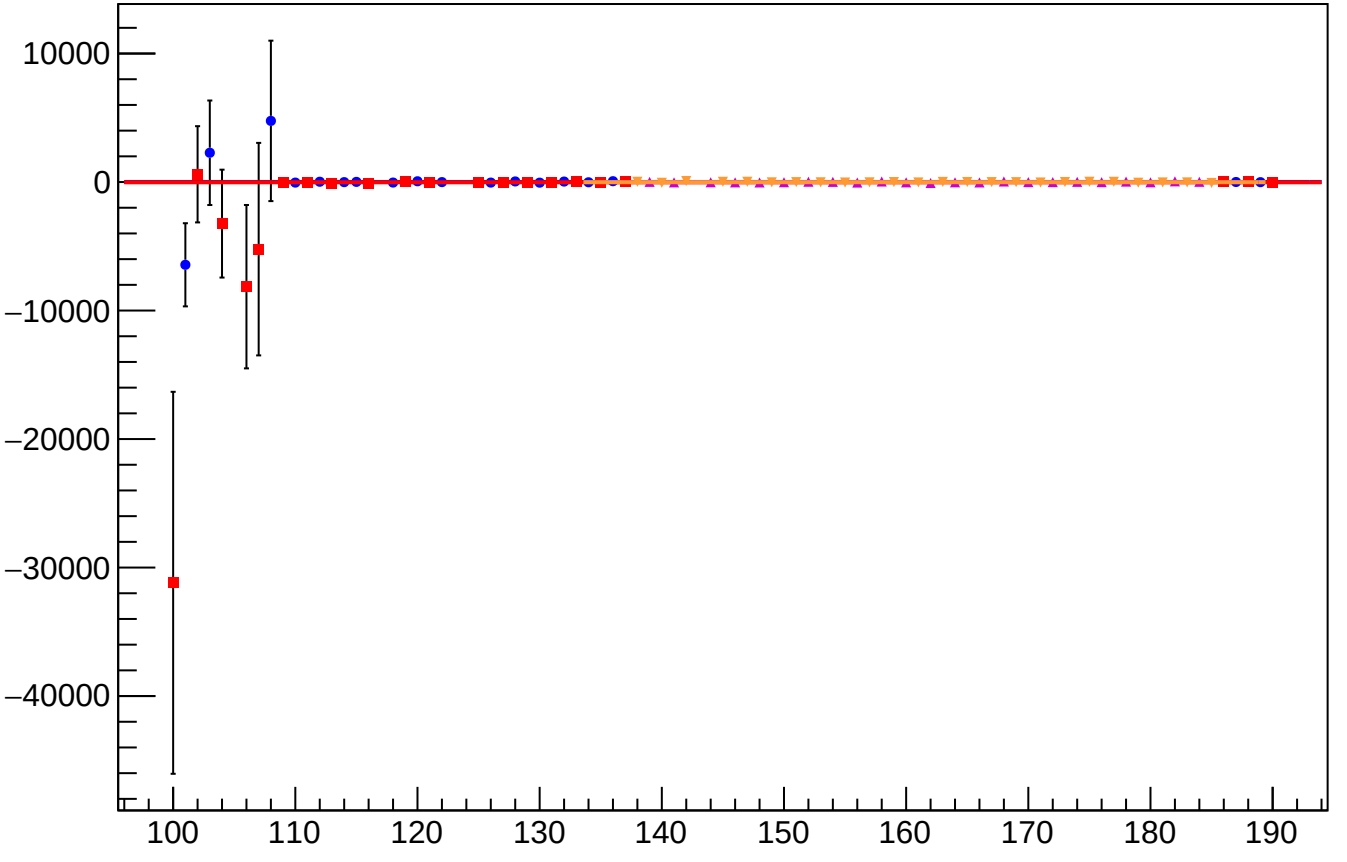
Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 196.816+/-0.029 χ^2/NDF: 5790953.2/41

All: 189.838+/-0.020 χ^2/NDF: 12110279.2/85

- sign 183.775+/-0.027 χ^2/NDF: 6211299.1/43

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: -17.900+/-10.575 χ^2/NDF: 25.4/20

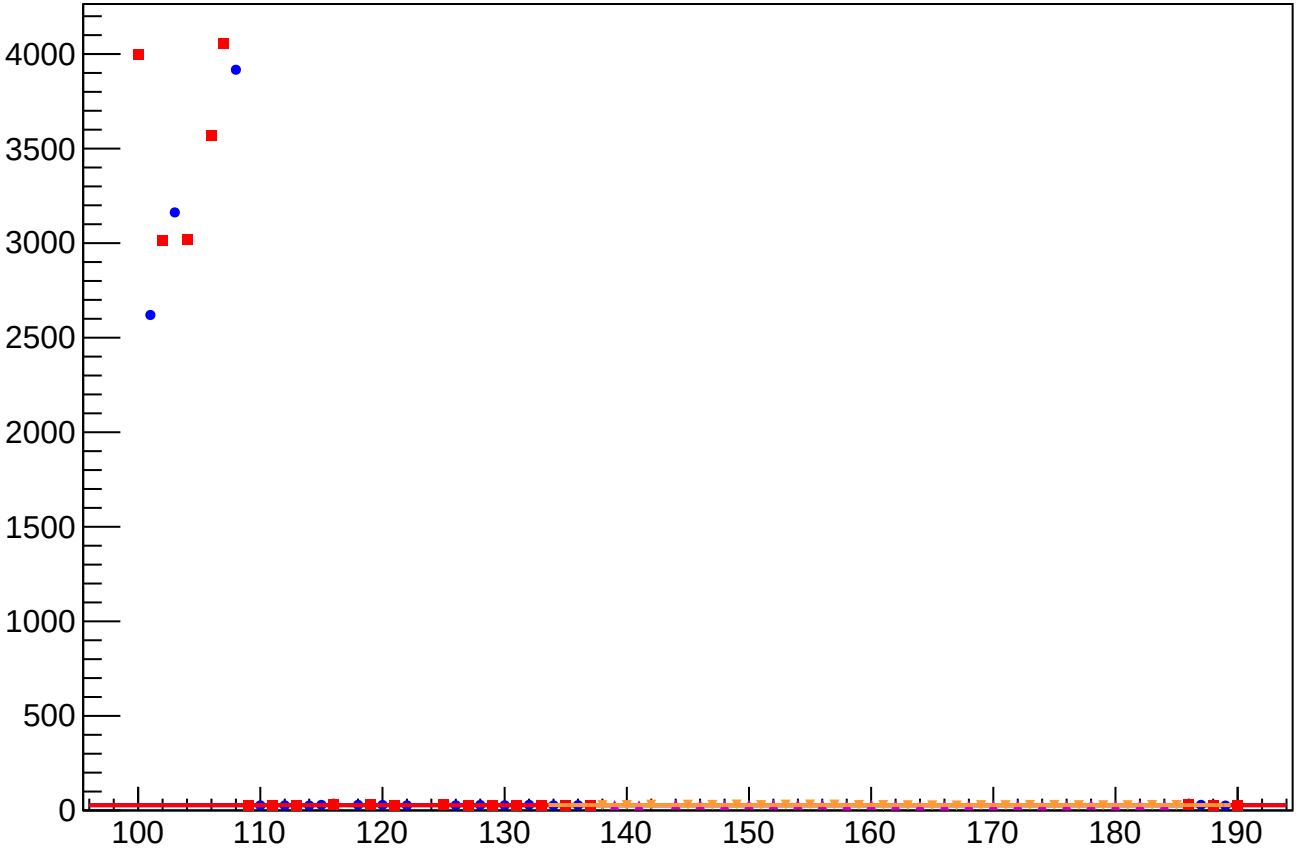
Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

+ sign -6.846+/-5.696 χ^2/NDF: 37.5/41

All: -6.921+/-4.022 χ^2/NDF: 86.6/85

- sign -6.995+/-5.679 χ^2/NDF: 49.0/43

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: 27.884+/-0.007 χ^2/NDF: 3572218.0/20

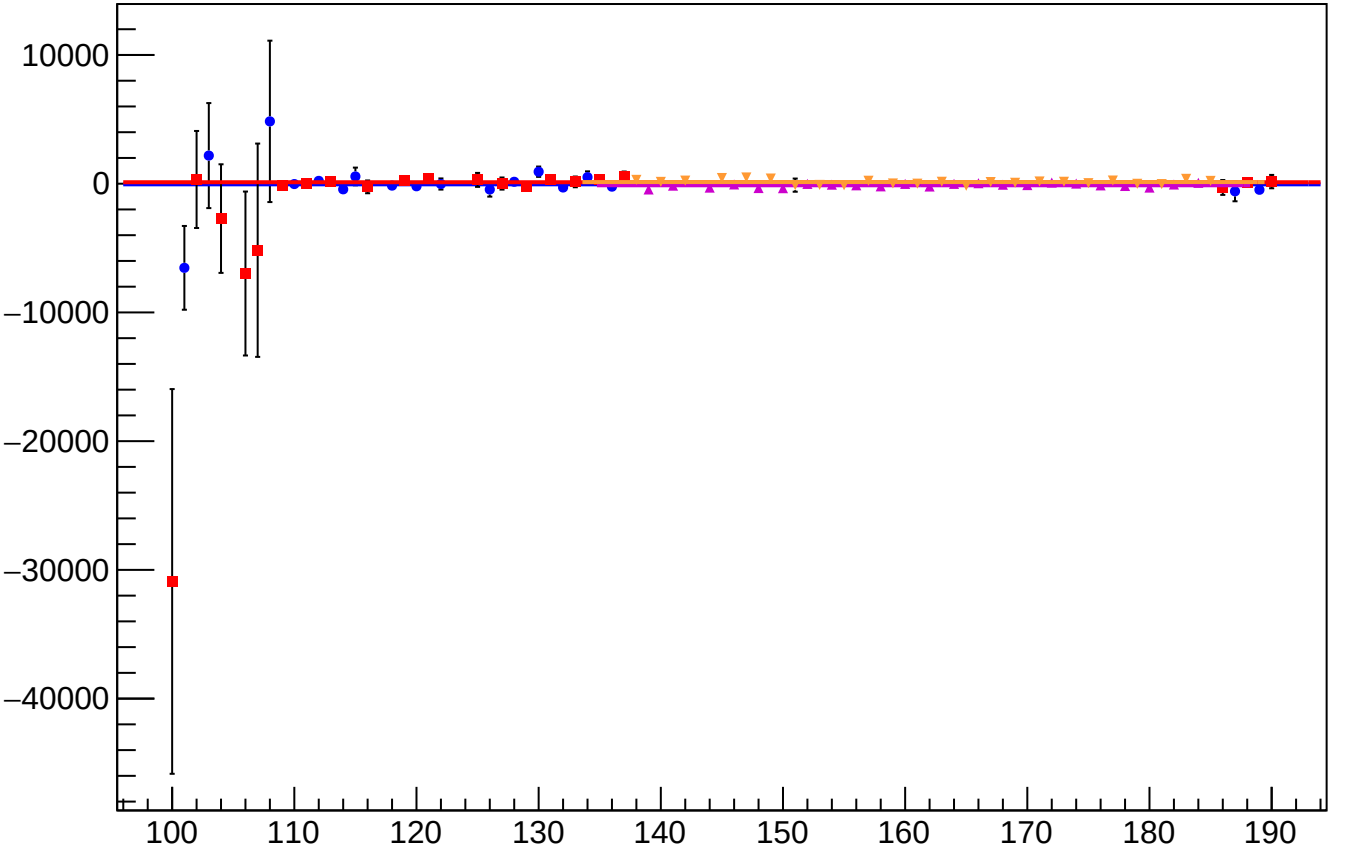
Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

+ sign 28.347+/-0.004 χ^2/NDF: 3364642.2/41

All: 28.416+/-0.003 χ^2/NDF: 7073880.9/85

- sign 28.484+/-0.004 χ^2/NDF: 3708655.0/43

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: 113.774+/-74.089 χ^2/NDF: 13.8/20

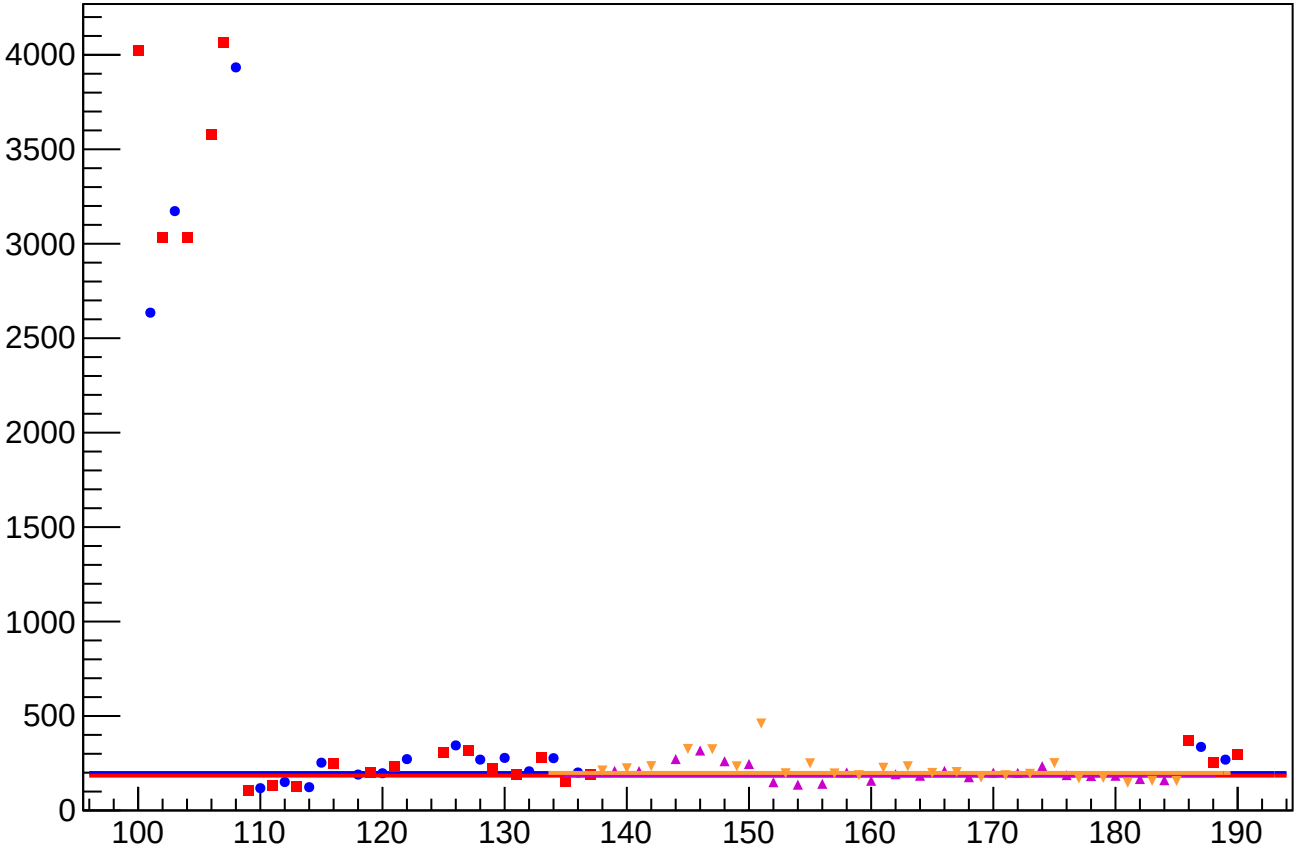
Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

+ sign 82.354+/-41.386 χ^2/NDF: 35.0/41

All: 6.925+/-28.222 χ^2/NDF: 70.4/85

- sign -58.640+/-38.585 χ^2/NDF: 29.2/43

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: 184.448+/-0.052 χ^2/NDF: 4748230.9/20

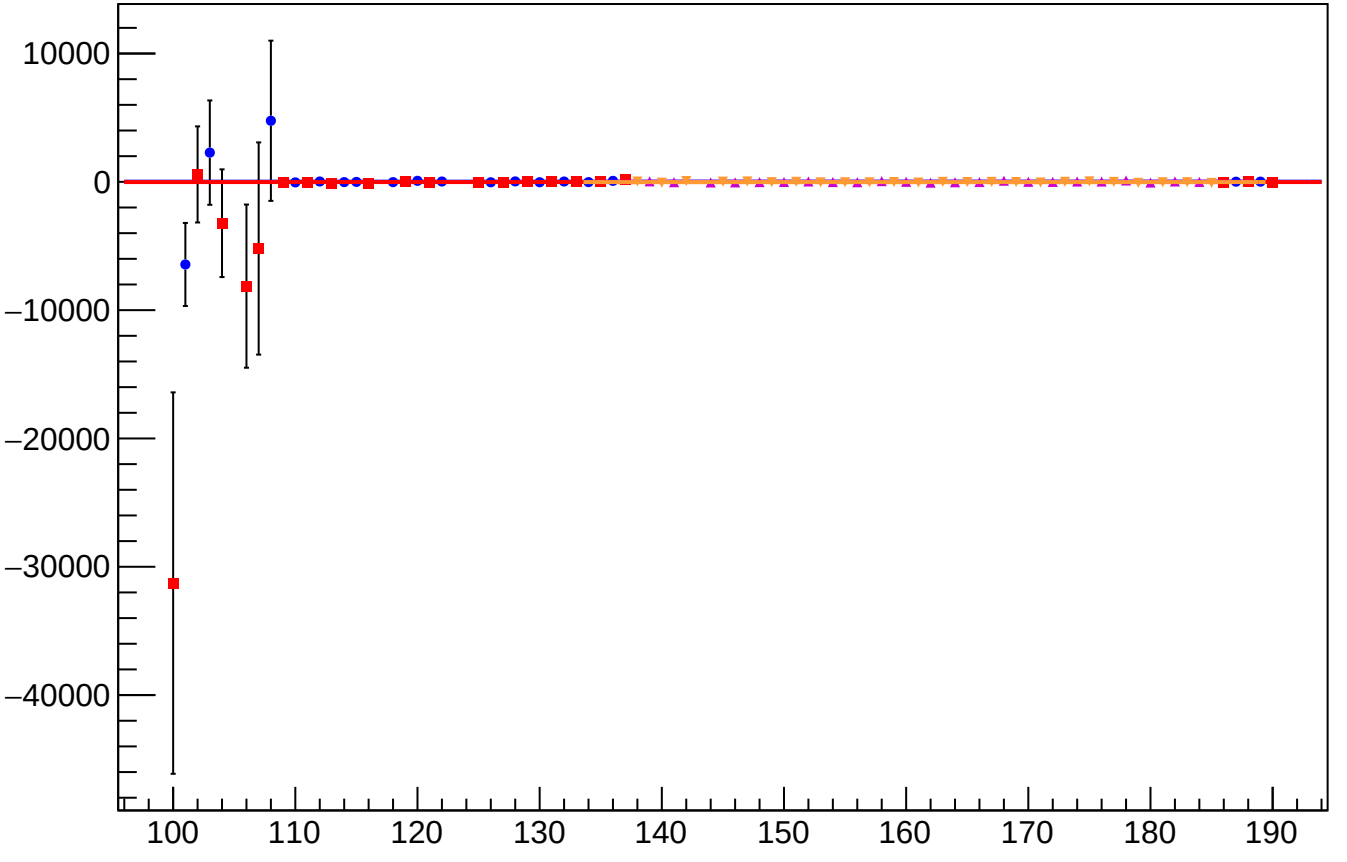
Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 198.540+/-0.029 χ^2/NDF: 5754416.7/41

All: 191.556+/-0.020 χ^2/NDF: 12015163.2/85

- sign 185.485+/-0.027 χ^2/NDF: 6154294.0/43

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: -16.578+/-11.691 χ^2/NDF: 30.4/20

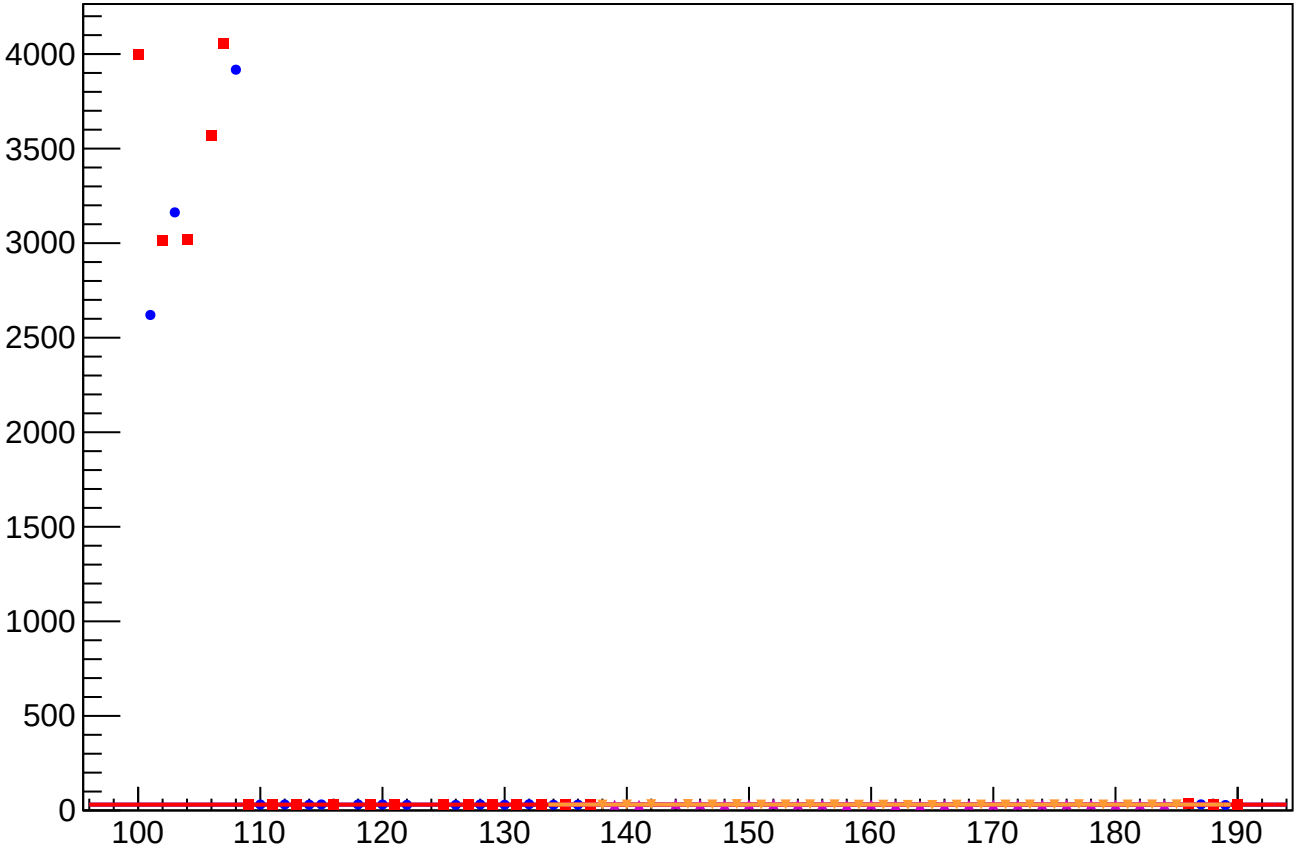
Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

+ sign -9.838+/-6.243 χ^2/NDF: 40.8/41

All: -6.283+/-4.407 χ^2/NDF: 109.4/85

- sign -2.752+/-6.221 χ^2/NDF: 67.9/43

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: 30.868+/-0.008 χ^2/NDF: 3547631.0/20

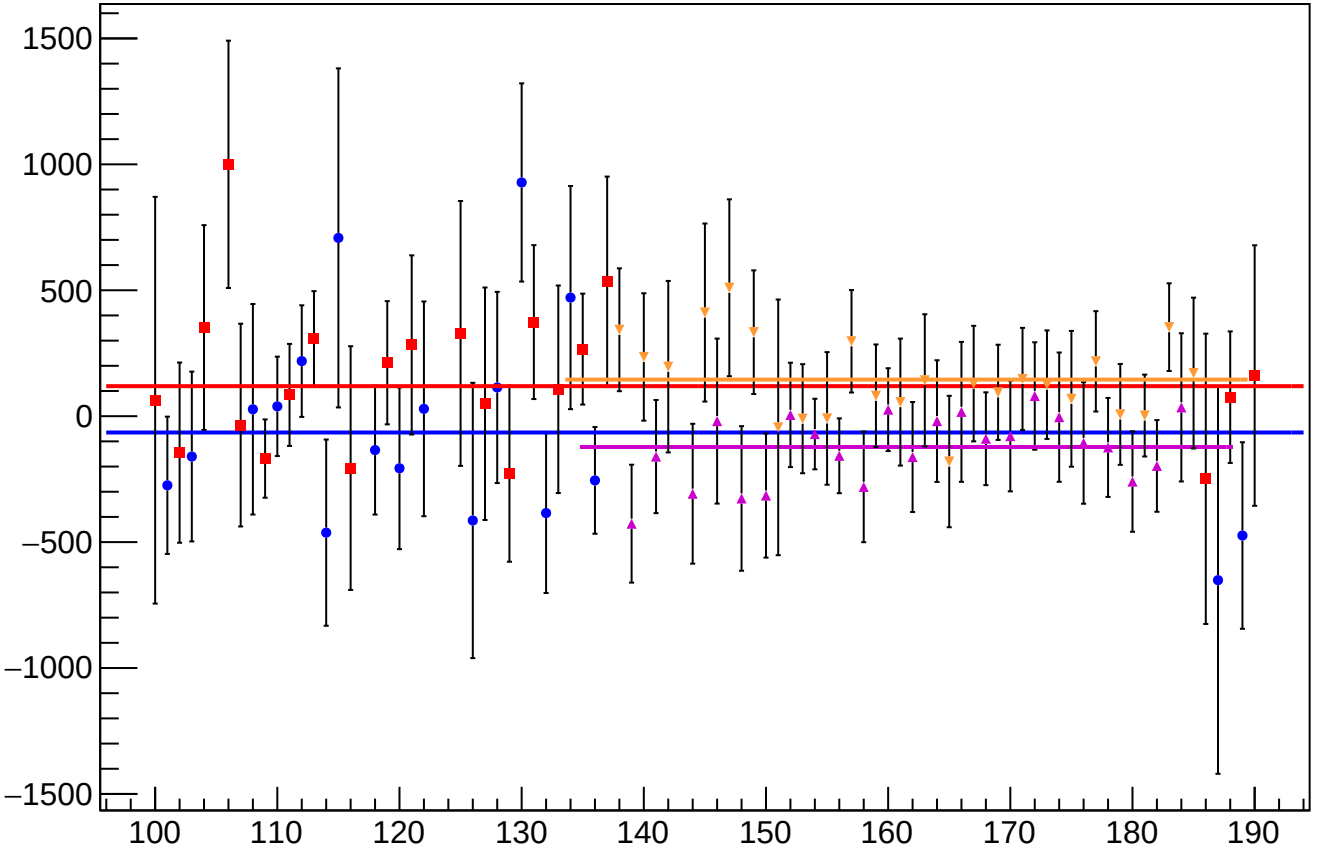
Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

+ sign 31.097+/-0.004 χ^2/NDF: 3308740.2/41

All: 31.166+/-0.003 χ^2/NDF: 6944831.6/85

- sign 31.235+/-0.004 χ^2/NDF: 3635602.4/43

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: 119.233+/-66.061 χ^2/NDF: 13.2/20

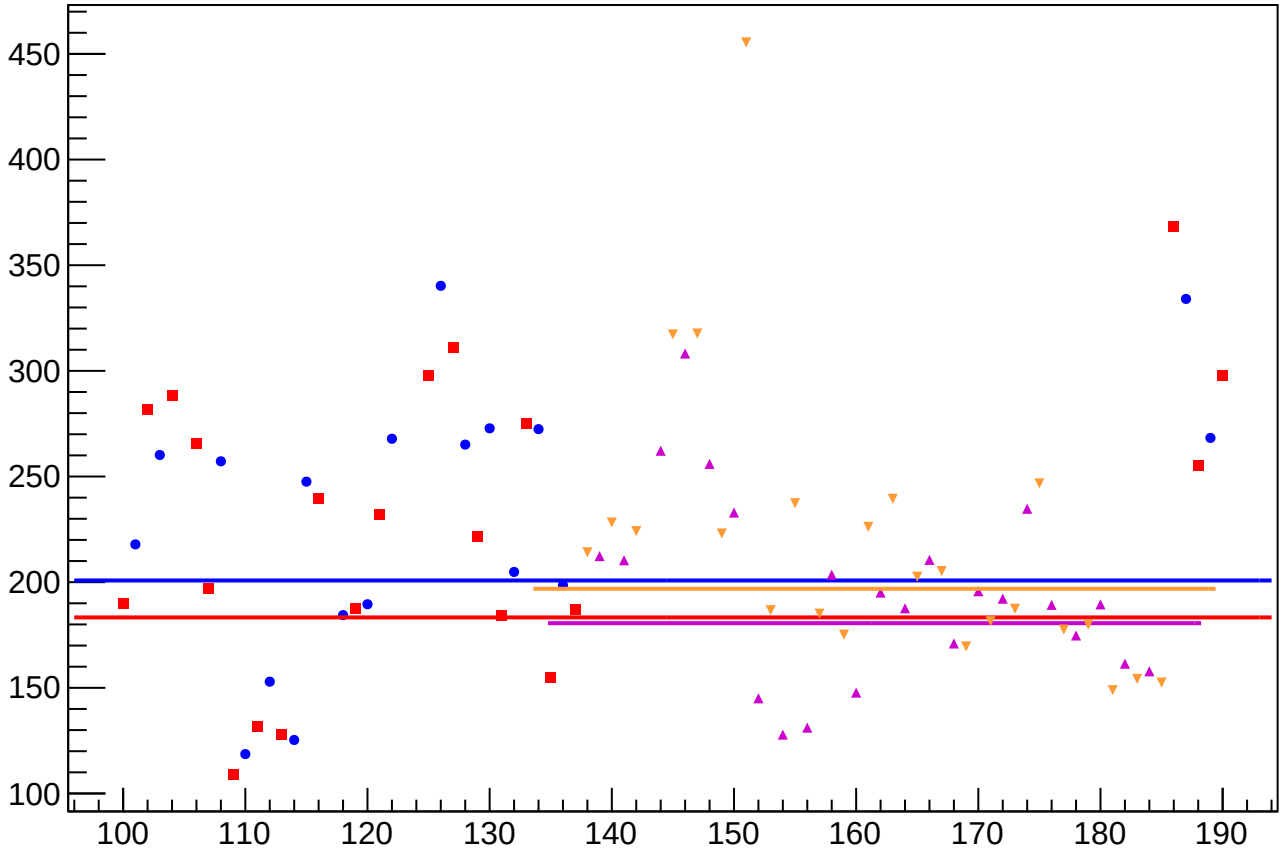
Left In: -122.376+/-44.081 χ^2/NDF:7.9/22

+ sign 85.551+/-40.087 χ^2/NDF: 32.5/41

All: 12.870+/-27.056 χ^2/NDF: 68.8/85

- sign -47.941+/-36.667 χ^2/NDF: 30.4/43

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: 183.320+/-0.047 χ^2/NDF: 2028267.7/20

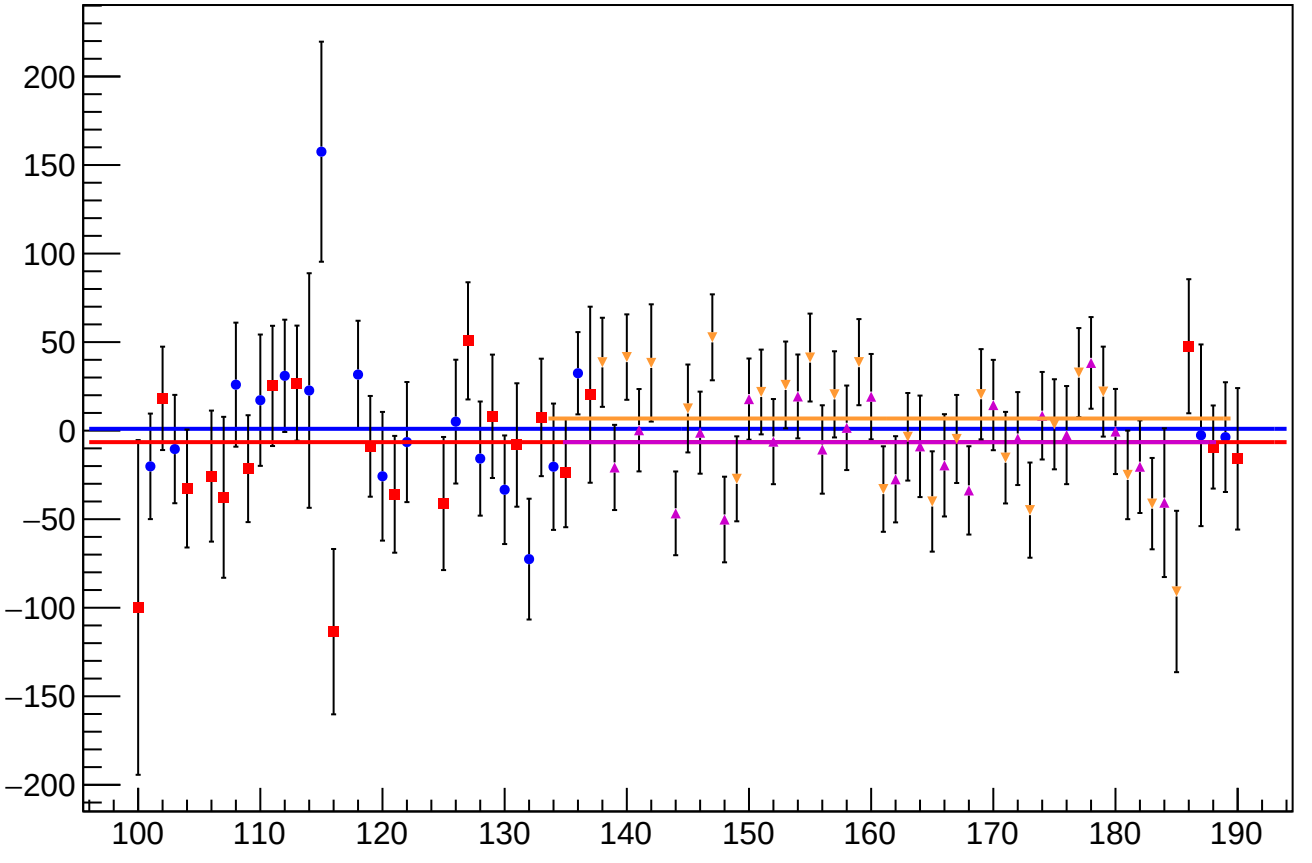
Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

+ sign 197.993+/-0.028 χ^2/NDF: 2862294.5/41

All: 188.980+/-0.019 χ^2/NDF: 6706666.3/85

- sign 181.439+/-0.026 χ^2/NDF: 3658684.3/43

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: -6.484+/-7.515 χ^2/NDF: 18.2/20

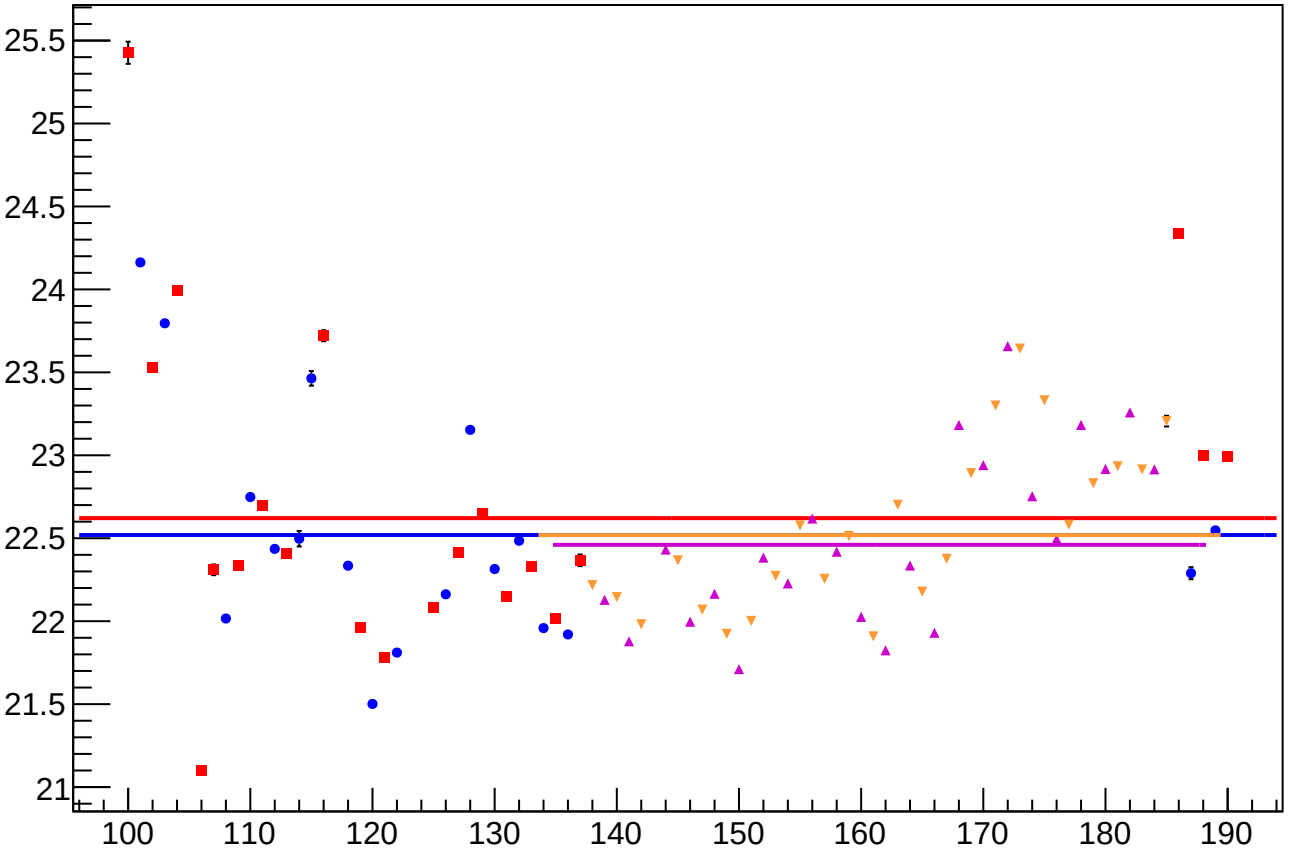
Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign 5.110+/-4.374 χ^2/NDF: 55.9/41

All: -0.783+/-3.067 χ^2/NDF: 95.1/85

- sign -6.483+/-4.302 χ^2/NDF: 35.6/43

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: 22.621+/-0.005 χ^2/NDF: 20958.2/20

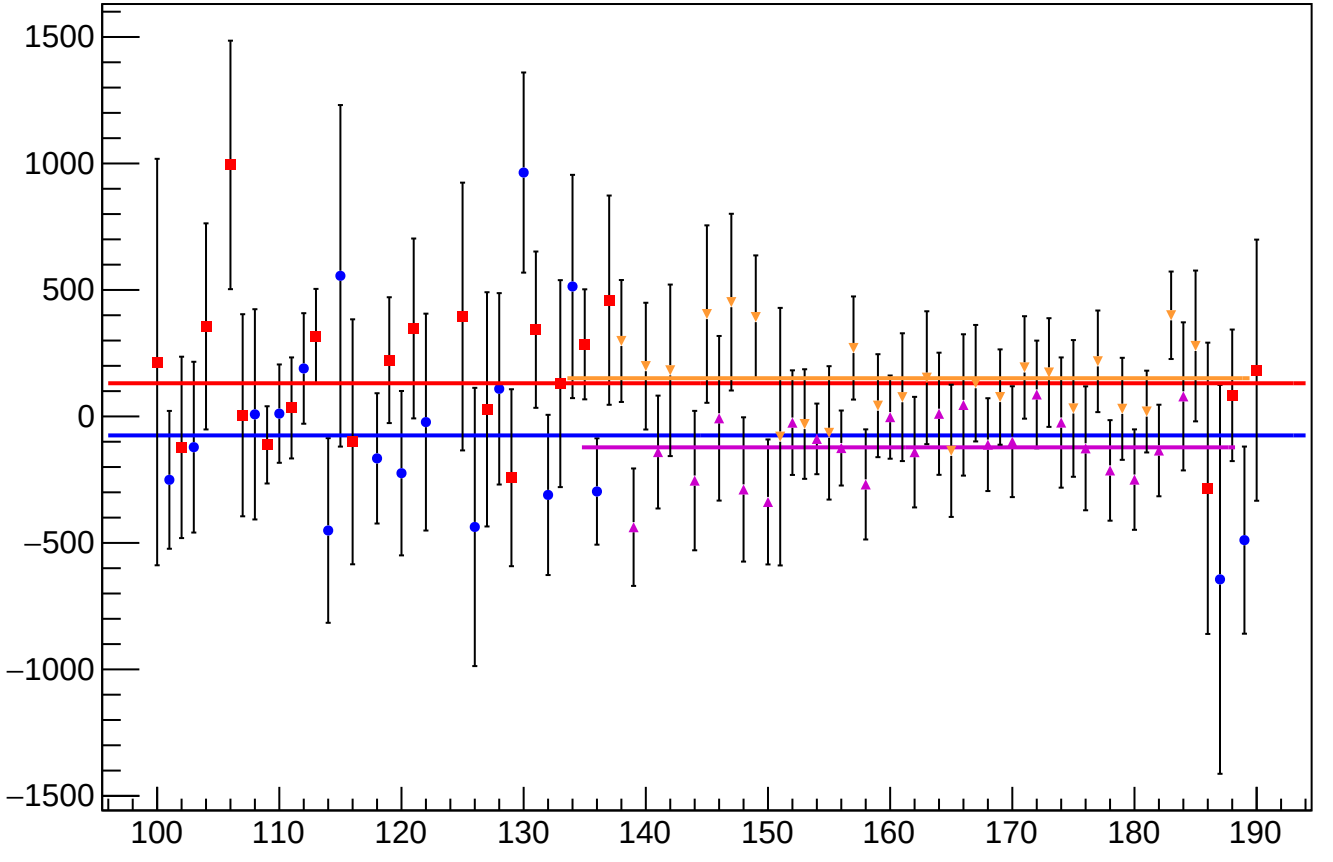
Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

+ sign 22.519+/-0.003 χ^2/NDF: 31988.4/41

All: 22.516+/-0.002 χ^2/NDF: 72682.0/85

- sign 22.513+/-0.003 χ^2/NDF: 40691.6/43

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: 131.172+/-65.614 χ^2/NDF: 12.1/20

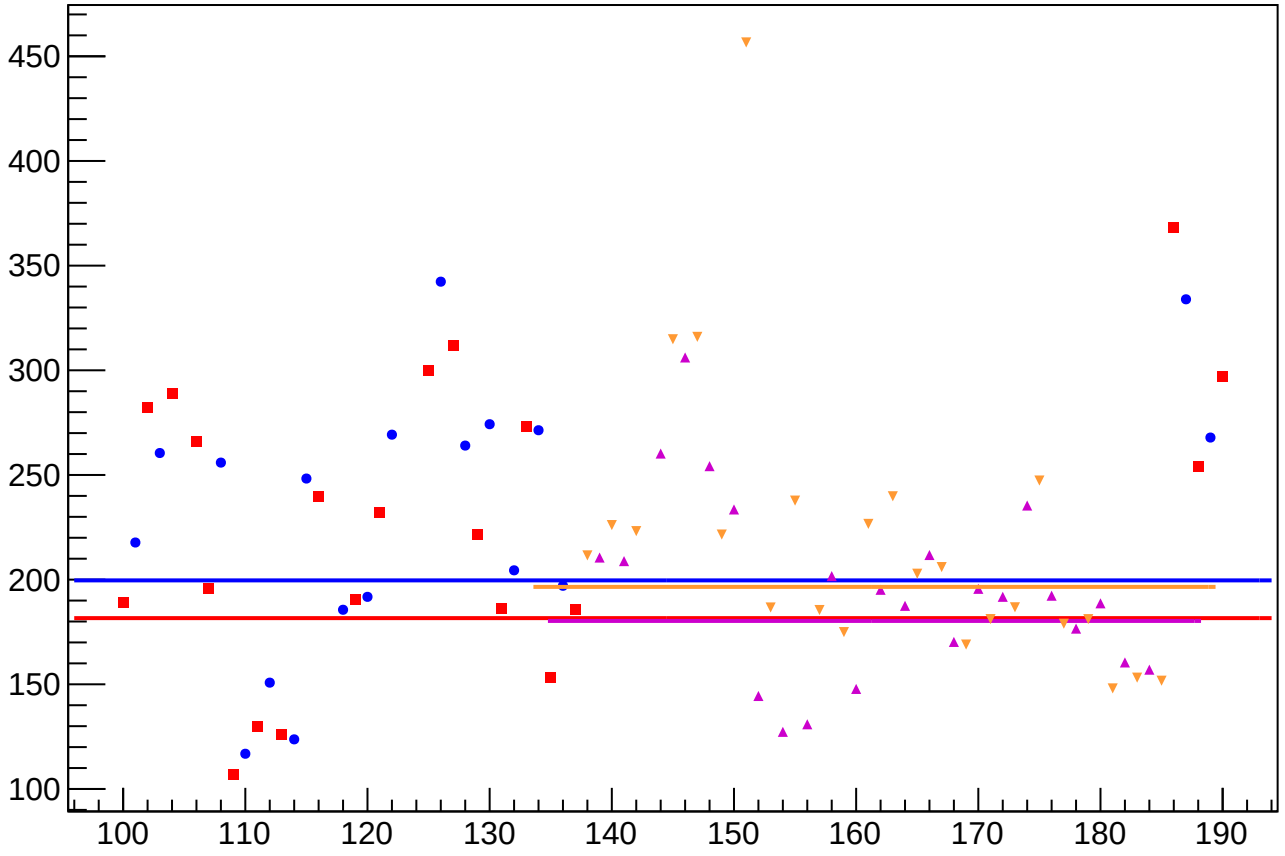
Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

+ sign 86.530+/-39.993 χ^2/NDF: 33.7/41

All: 15.638+/-26.979 χ^2/NDF: 69.4/85

- sign -43.565+/-36.547 χ^2/NDF: 29.9/43

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: 181.614+/-0.046 χ^2/NDF: 2106548.5/20

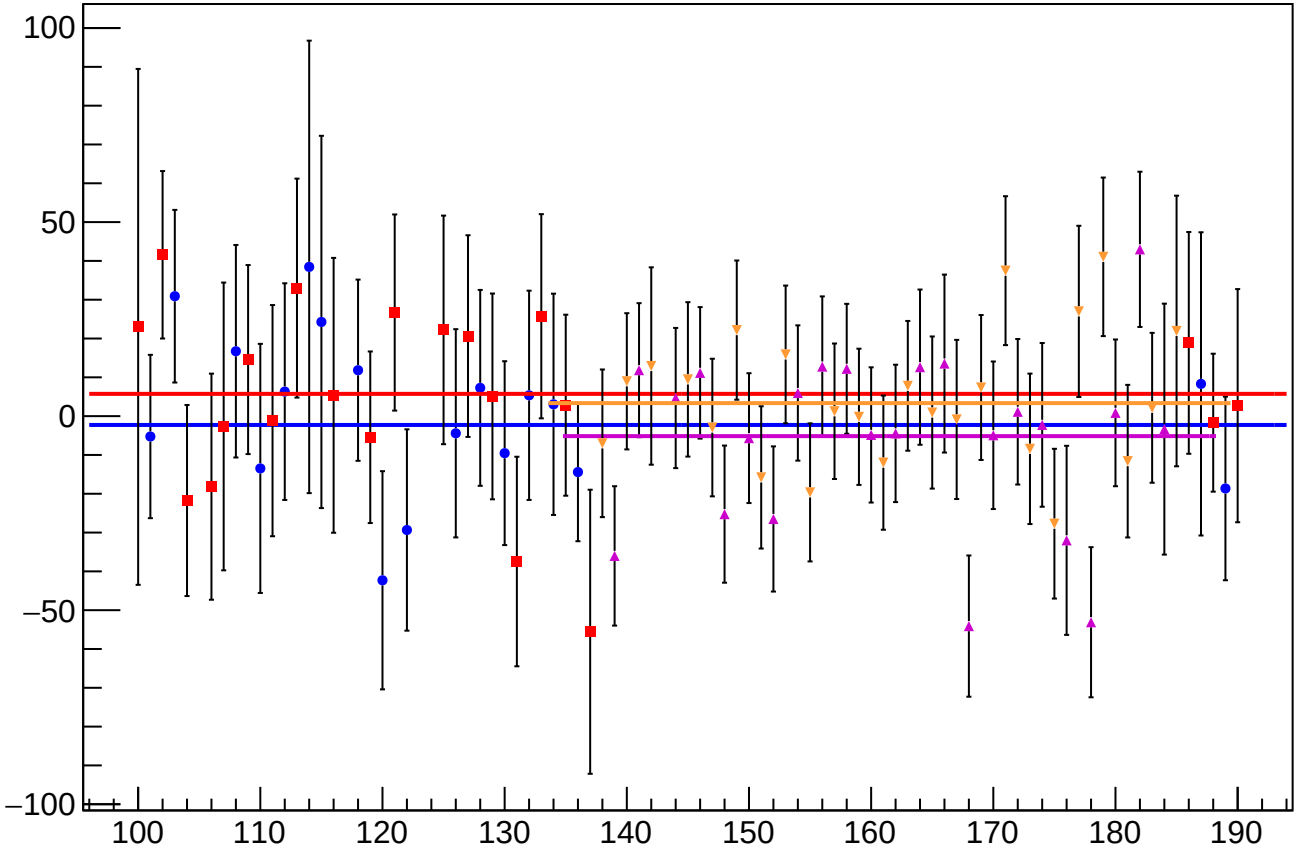
Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

+ sign 197.421+/-0.028 χ^2/NDF: 2907093.1/41

All: 188.304+/-0.019 χ^2/NDF: 6829646.0/85

- sign 180.690+/-0.026 χ^2/NDF: 3731806.7/43

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: 5.742+/-5.835 χ^2/NDF: 13.9/20

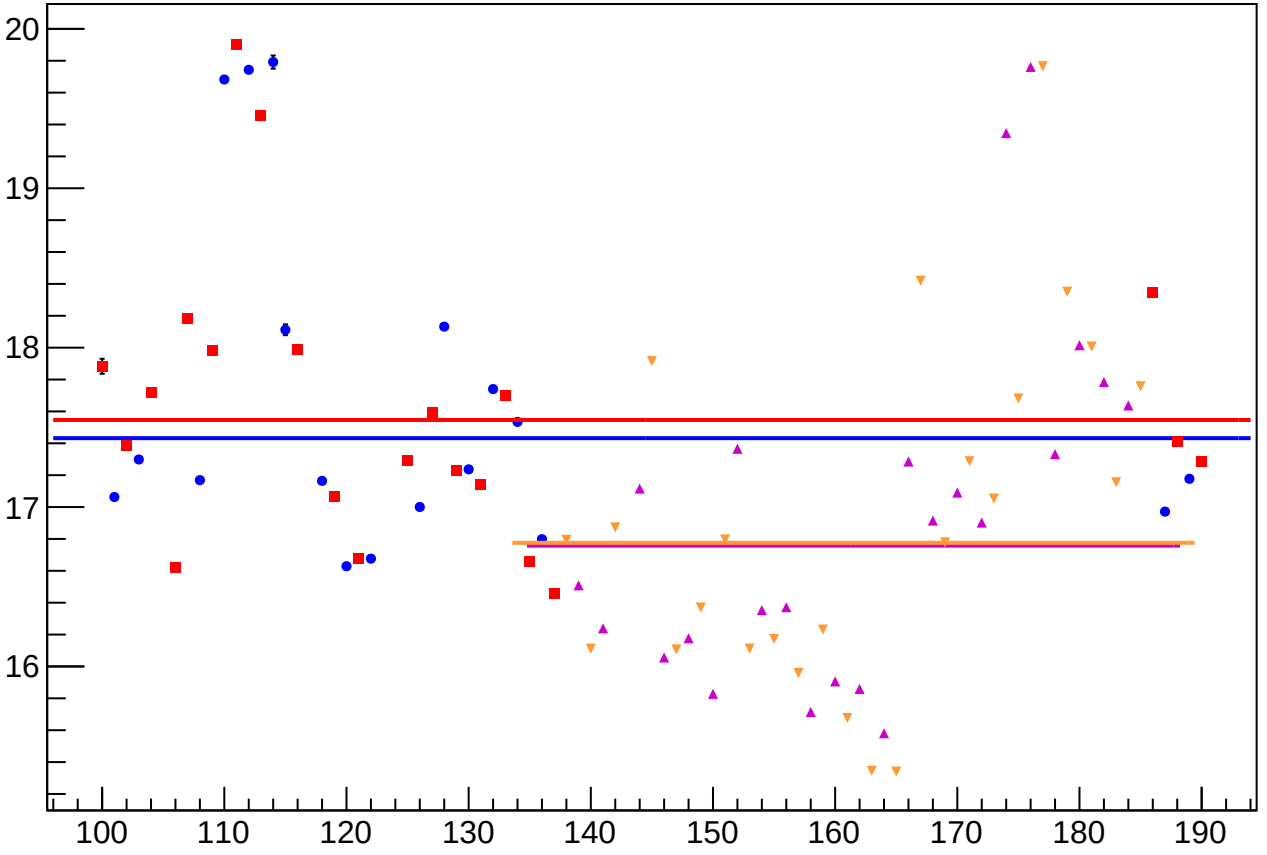
Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign 1.755+/-3.302 χ^2/NDF: 26.9/41

All: -0.026+/-2.319 χ^2/NDF: 76.0/85

- sign -1.758+/-3.256 χ^2/NDF: 48.5/43

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: 17.546+/-0.004 χ^2/NDF: 36308.6/20

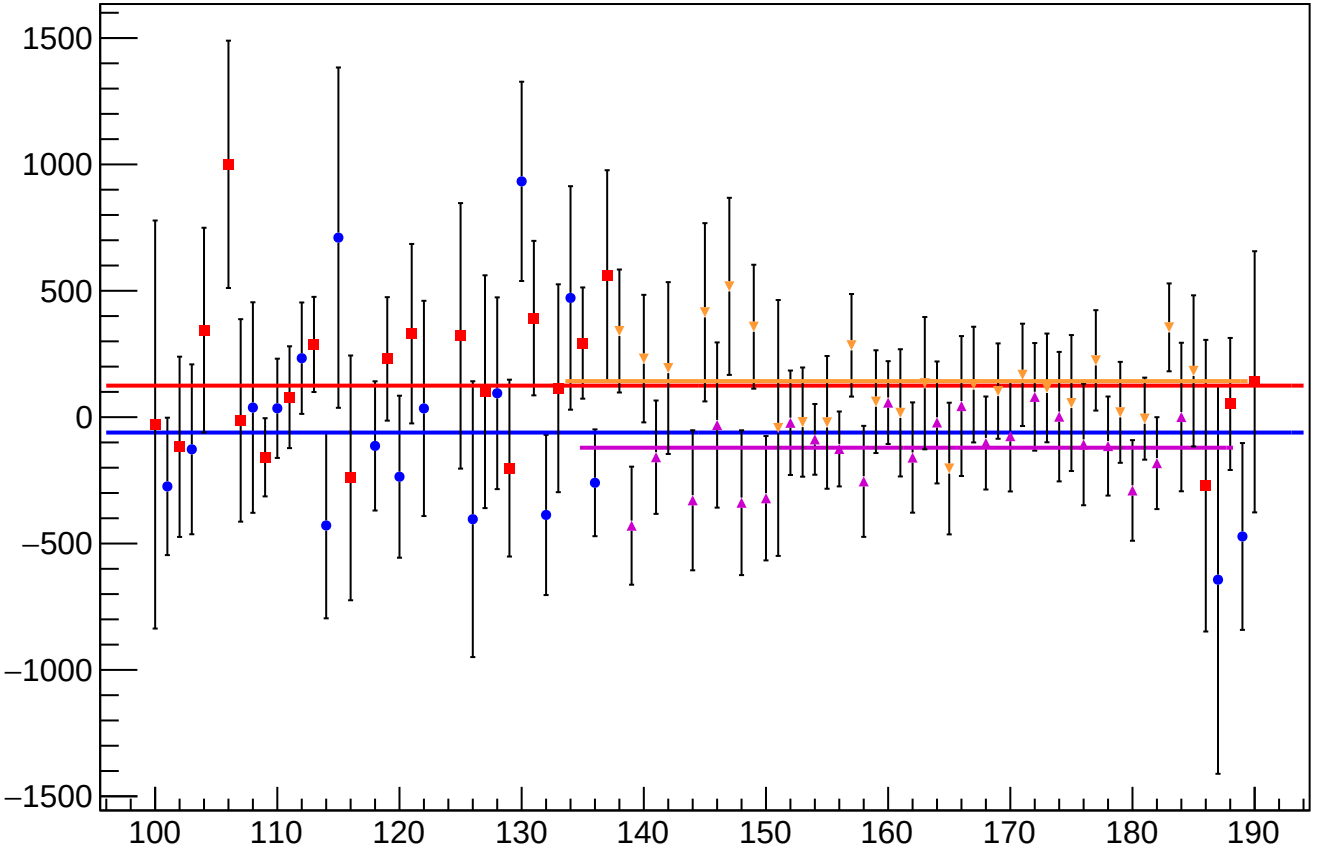
Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

+ sign 16.963+/-0.002 χ^2/NDF: 189452.2/41

All: 16.983+/-0.002 χ^2/NDF: 374371.8/85

- sign 17.003+/-0.002 χ^2/NDF: 184765.9/43

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: 124.777+/-65.868 χ^2/NDF: 13.4/20

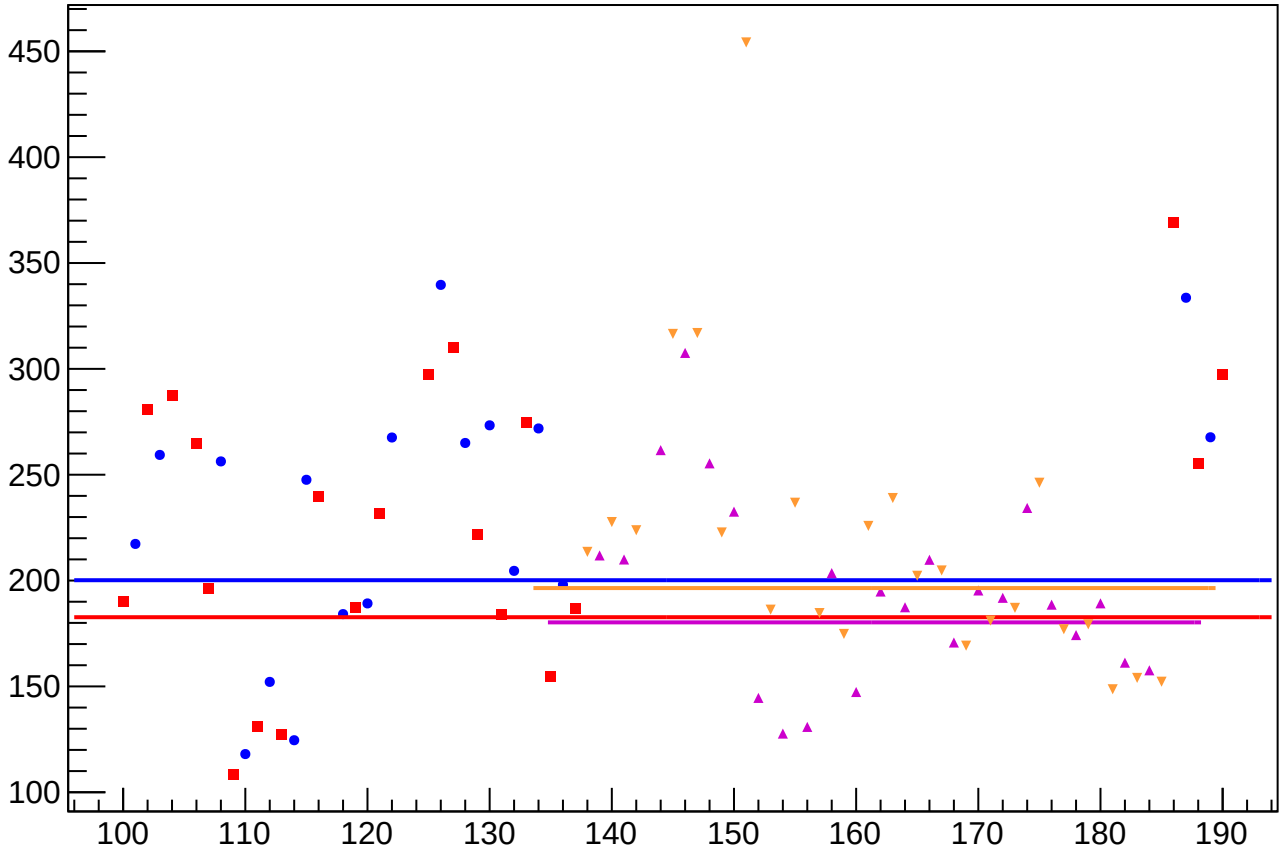
Left In: -120.888+/-43.994 χ^2/NDF:8.2/22

+ sign 84.722+/-39.992 χ^2/NDF: 33.0/41

All: 14.044+/-26.993 χ^2/NDF: 69.9/85

- sign -45.103+/-36.584 χ^2/NDF: 31.2/43

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: 182.689+/-0.047 χ^2/NDF: 2044719.5/20

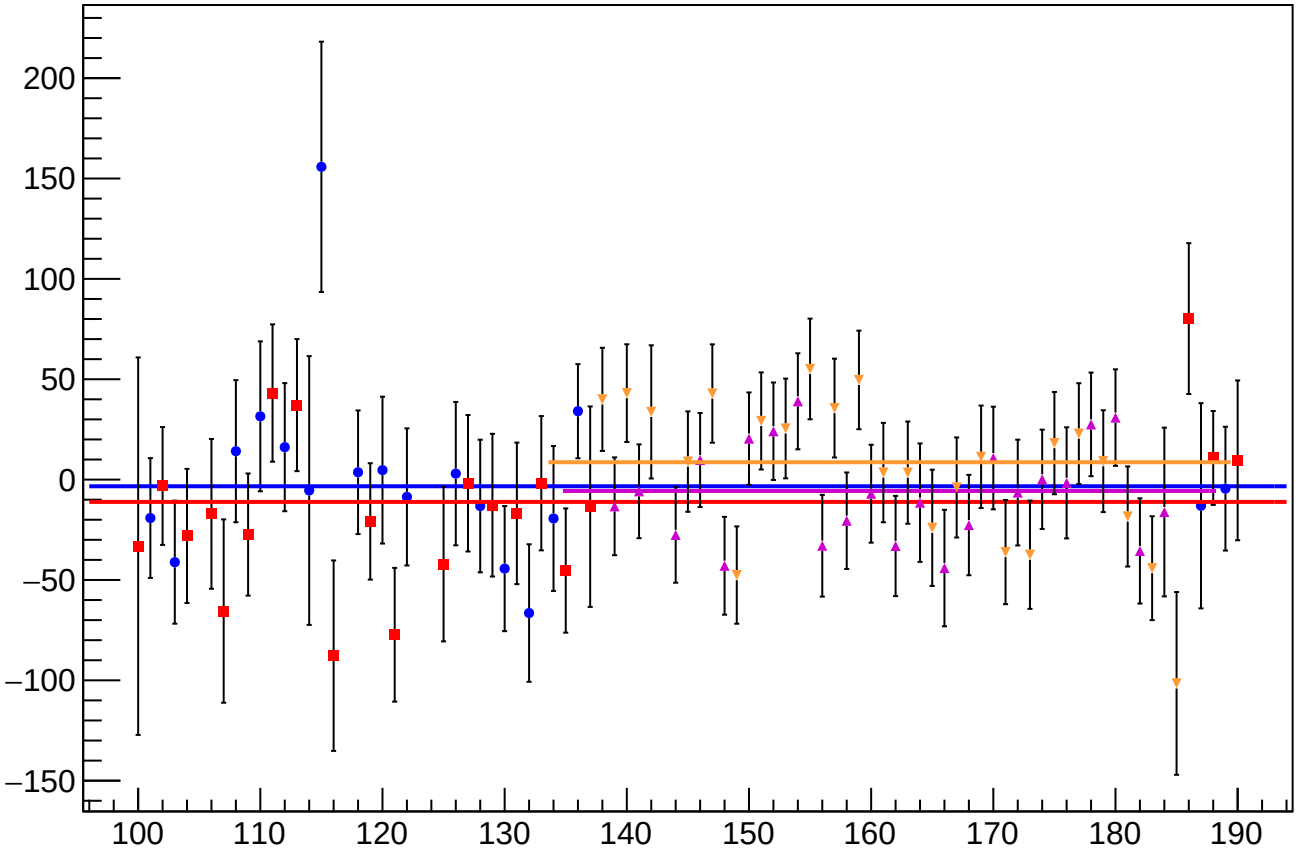
Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

+ sign 197.509+/-0.028 χ^2/NDF: 2871343.4/41

All: 188.522+/-0.019 χ^2/NDF: 6731260.7/85

- sign 181.001+/-0.026 χ^2/NDF: 3674395.5/43

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: -11.116+/-7.581 χ^2/NDF: 22.5/20

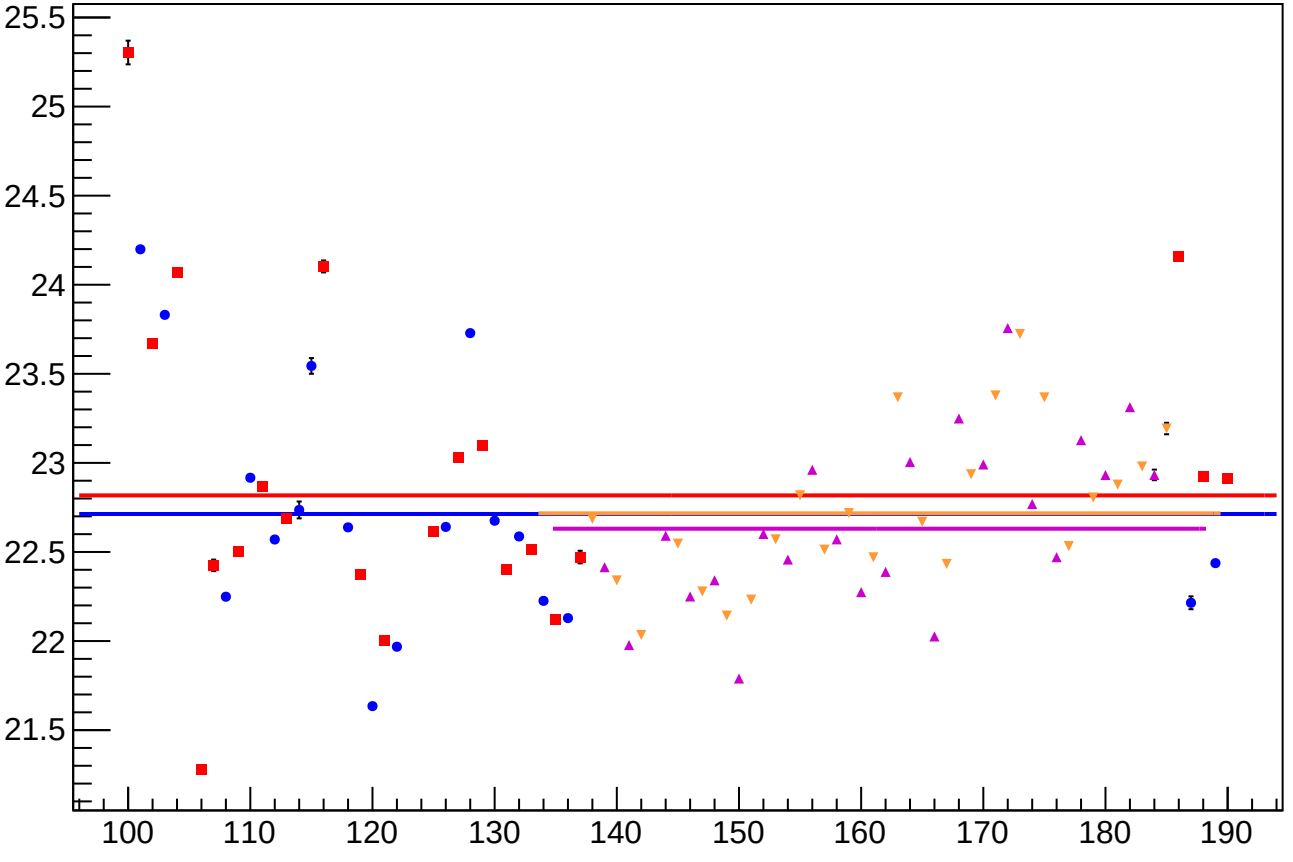
Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

+ sign 5.065+/-4.412 χ^2/NDF: 58.7/41

All: -1.302+/-3.093 χ^2/NDF: 106.5/85

- sign -7.450+/-4.336 χ^2/NDF: 43.7/43

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: 22.818+/-0.005 χ^2/NDF: 17197.2/20

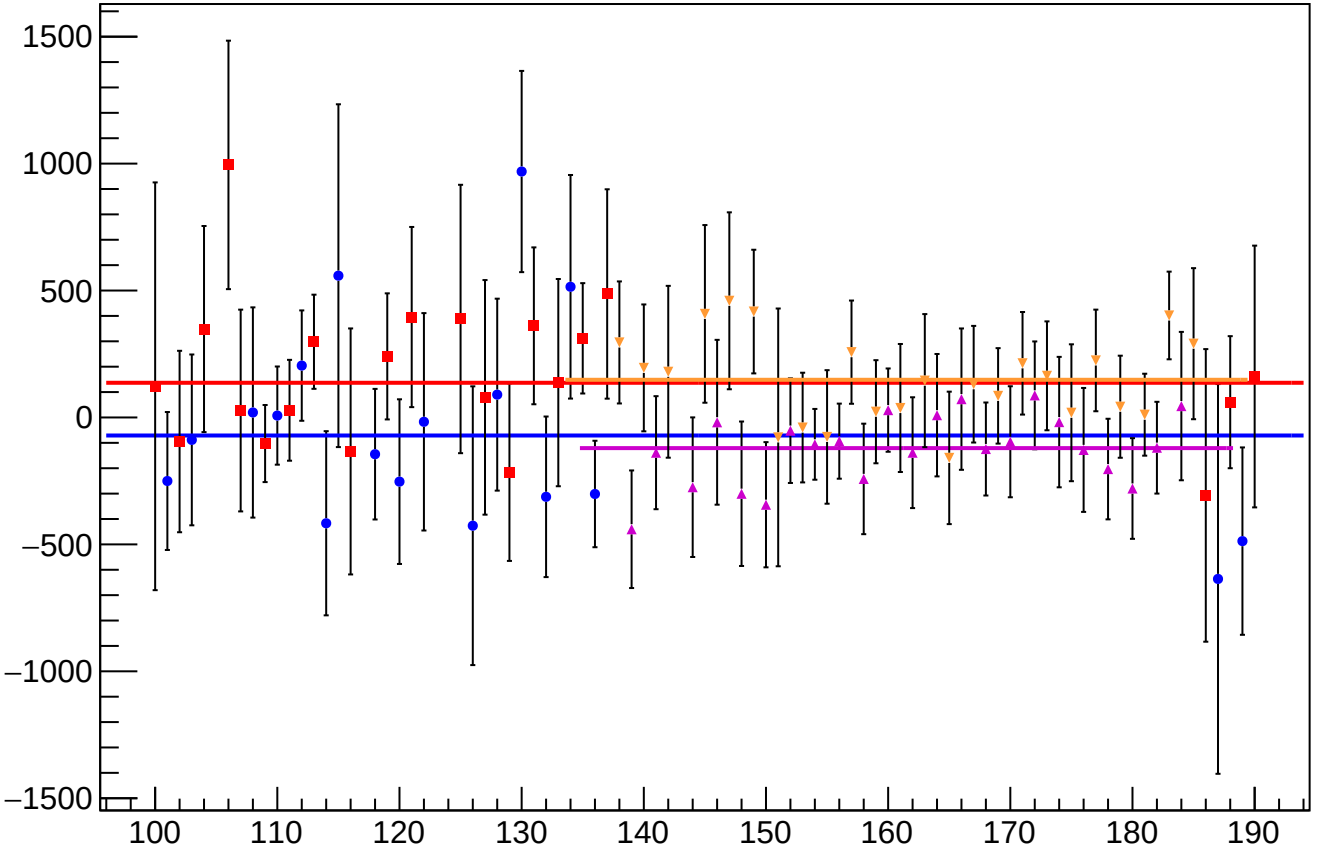
Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

+ sign 22.716+/-0.003 χ^2/NDF: 27183.6/41

All: 22.704+/-0.002 χ^2/NDF: 60622.1/85

- sign 22.692+/-0.003 χ^2/NDF: 33408.2/43

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: 136.625+/-65.417 χ^2/NDF: 12.2/20

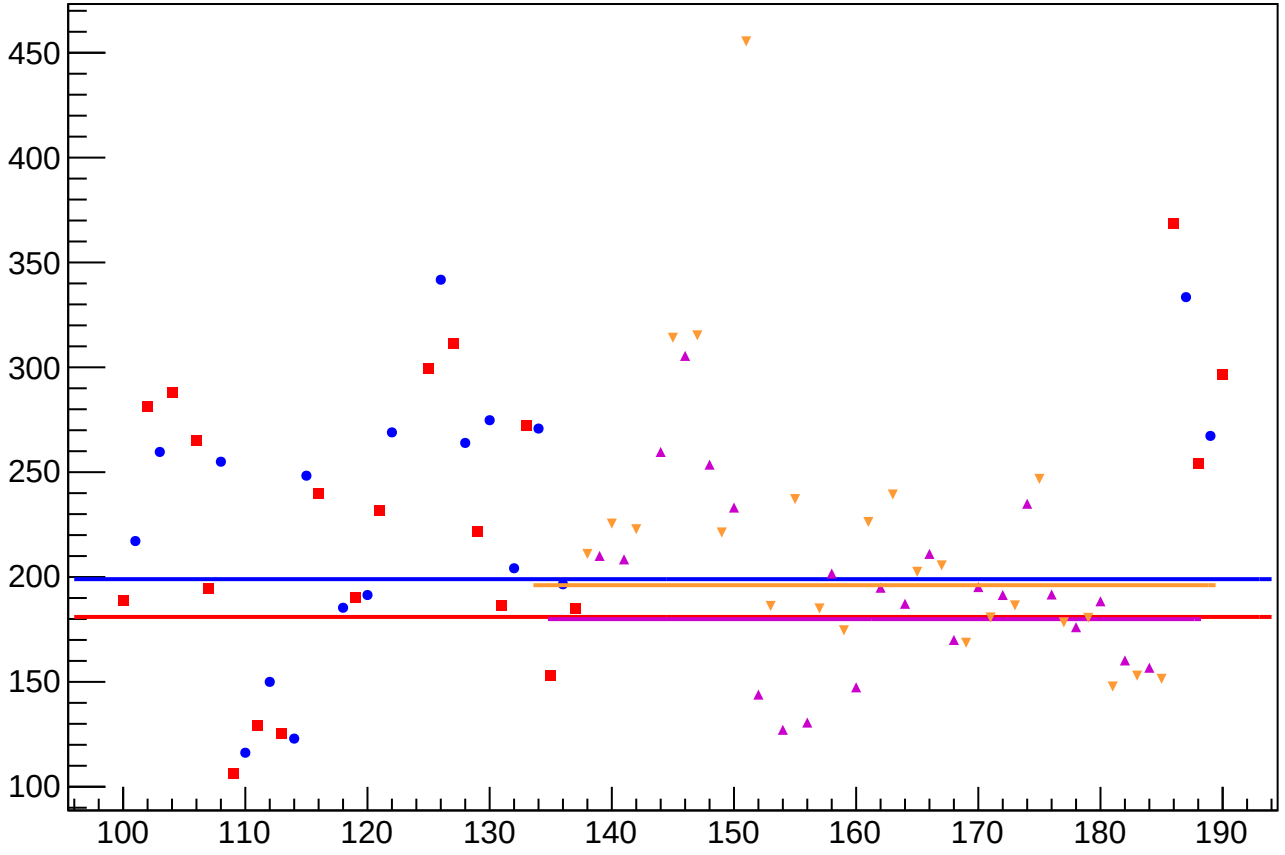
Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

+ sign 85.679+/-39.898 χ^2/NDF: 34.4/41

All: 16.770+/-26.916 χ^2/NDF: 70.7/85

- sign -40.789+/-36.464 χ^2/NDF: 30.8/43

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: 180.970+/-0.046 χ^2/NDF: 2123912.0/20

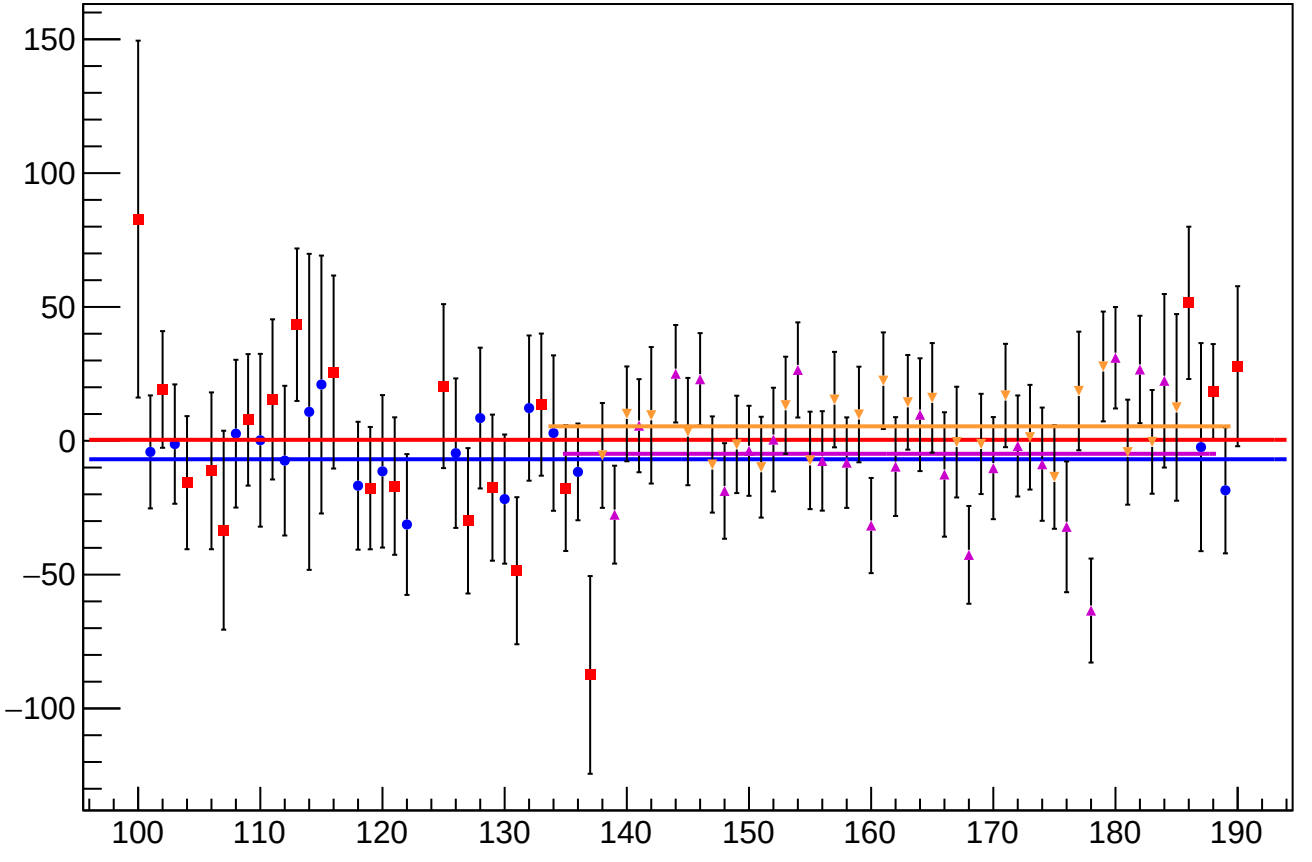
Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

+ sign 196.934+/-0.028 χ^2/NDF: 2916839.5/41

All: 187.842+/-0.019 χ^2/NDF: 6855840.5/85

- sign 180.249+/-0.026 χ^2/NDF: 3748408.9/43

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: 0.363+/-5.910 χ^2/NDF: 24.7/20

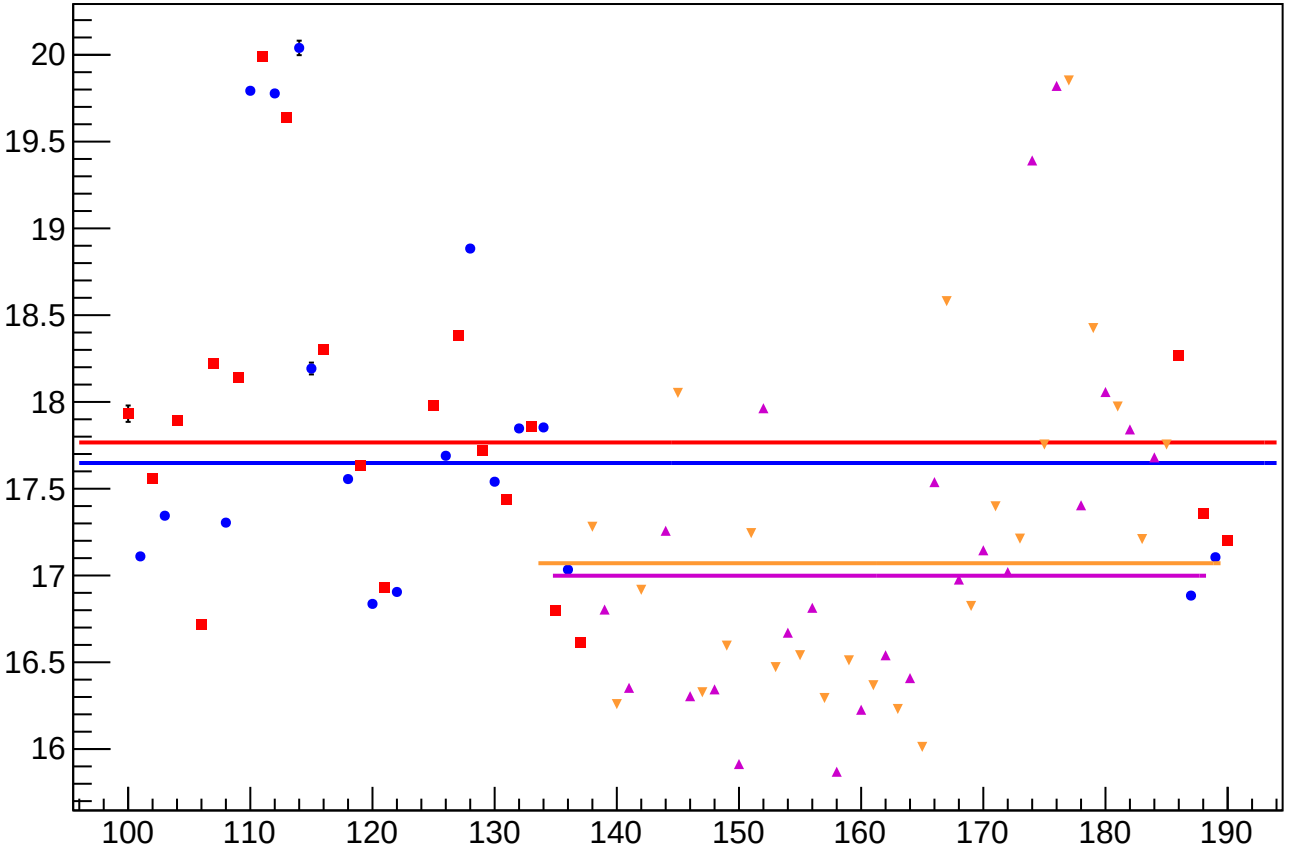
Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign 1.879+/-3.355 χ^2/NDF: 13.9/41

All: -0.716+/-2.353 χ^2/NDF: 75.9/85

- sign -3.229+/-3.301 χ^2/NDF: 60.8/43

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: 17.767+/-0.004 χ^2/NDF: 35049.6/20

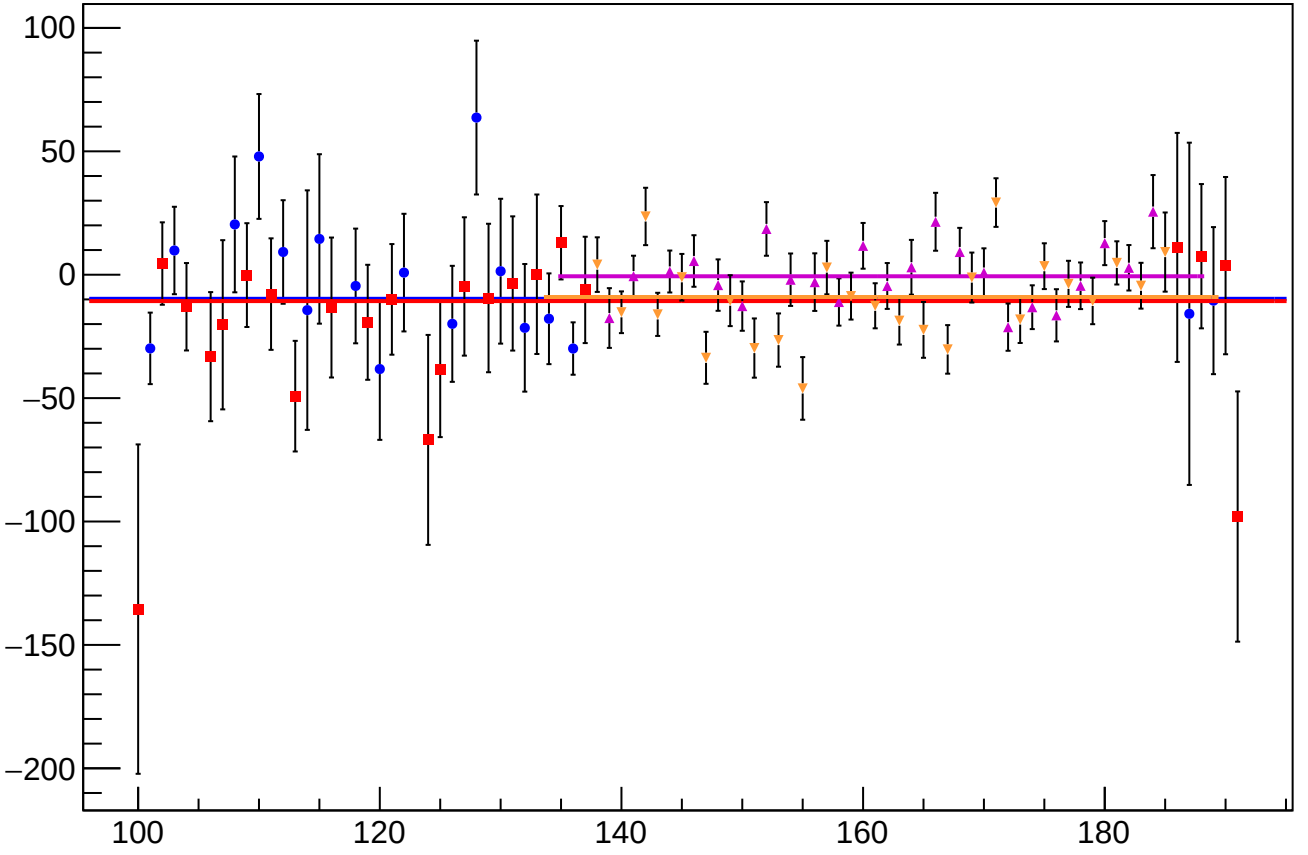
Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

\+ sign 17.236+/-0.002 χ^2/NDF: 146441.1/41

All: 17.237+/-0.002 χ^2/NDF: 308735.3/85

\- sign 17.238+/-0.002 χ^2/NDF: 162293.8/43

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: -10.685+/-5.224 χ^2/NDF: 17.8/22

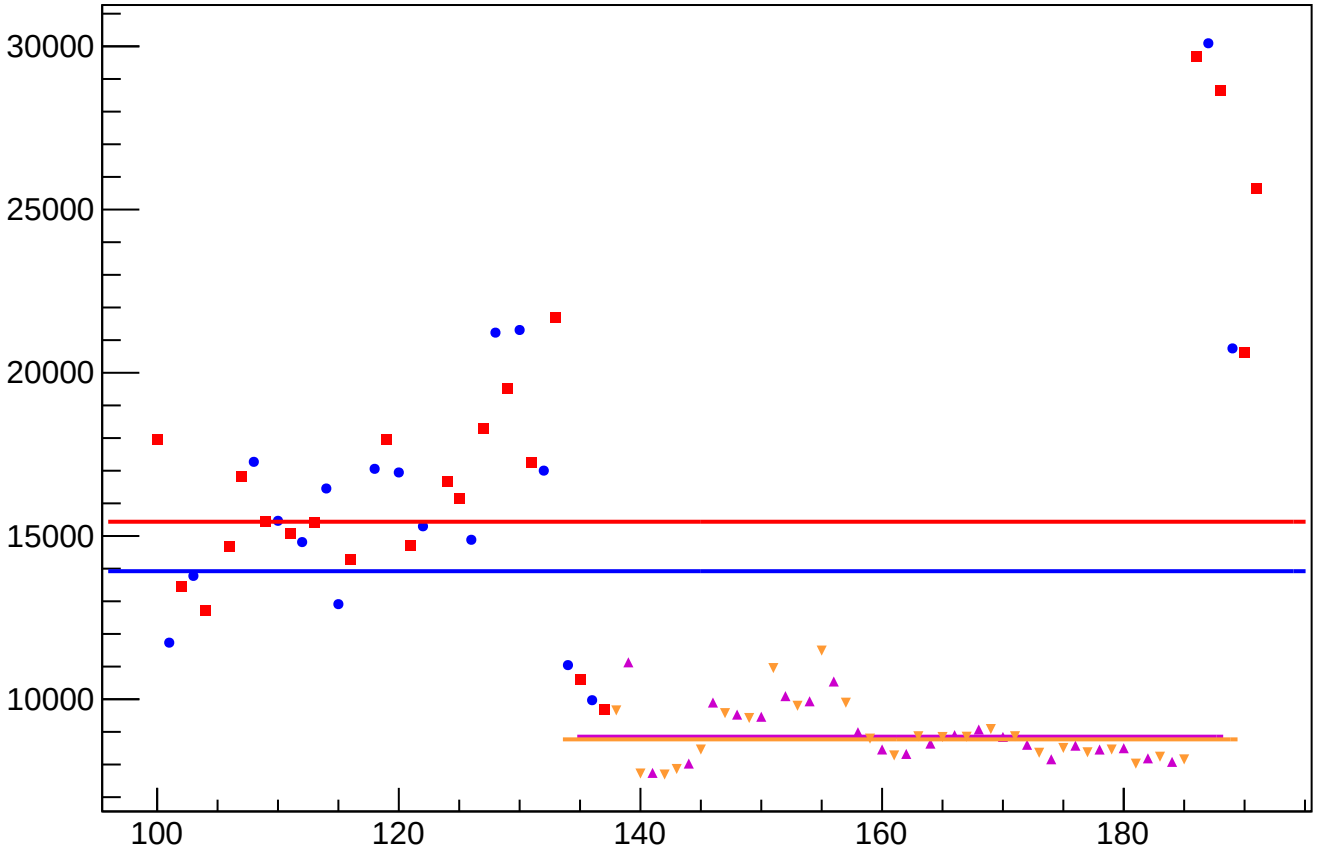
Left In: -0.628+/-2.079 χ^2/NDF:29.5/22

+ sign -9.124+/-1.869 χ^2/NDF: 84.0/42

All: -5.681+/-1.343 χ^2/NDF: 141.5/88

- sign -2.003+/-1.932 χ^2/NDF: 50.5/45

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

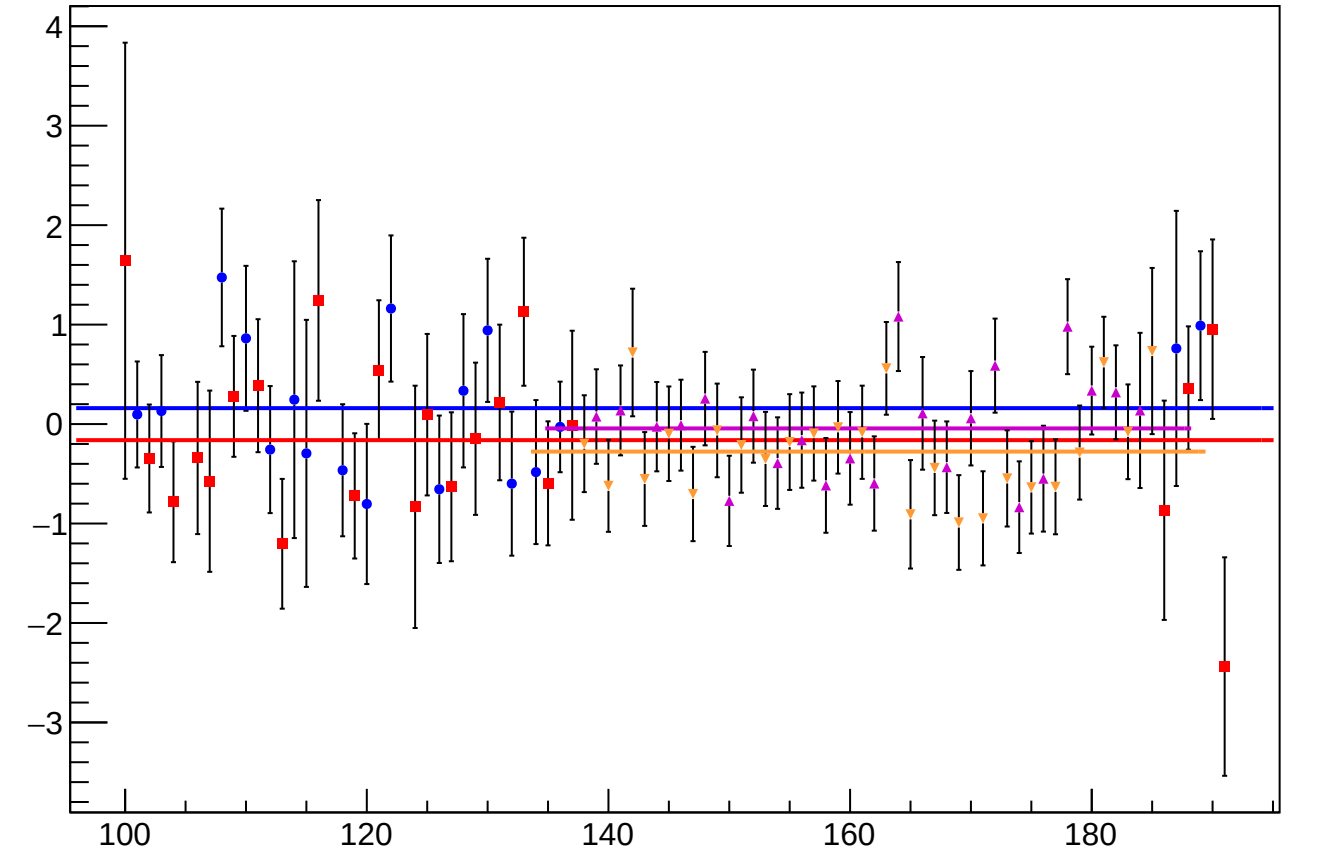
Right Out: 15437.206+/-3.694 χ^2/NDF: 1327482.4/22

Left In: 8852.820+/-1.470 χ^2/NDF:299860.4/22

+ sign 9451.938+/-1.322 χ^2/NDF: 3057110.4/42

All: 9597.562+/-0.950 χ^2/NDF: 7451933.4/88

- sign 9753.150+/-1.366 χ^2/NDF: 4369709.1/45



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: -0.162+/-0.157 χ^2/NDF: 21.1/22

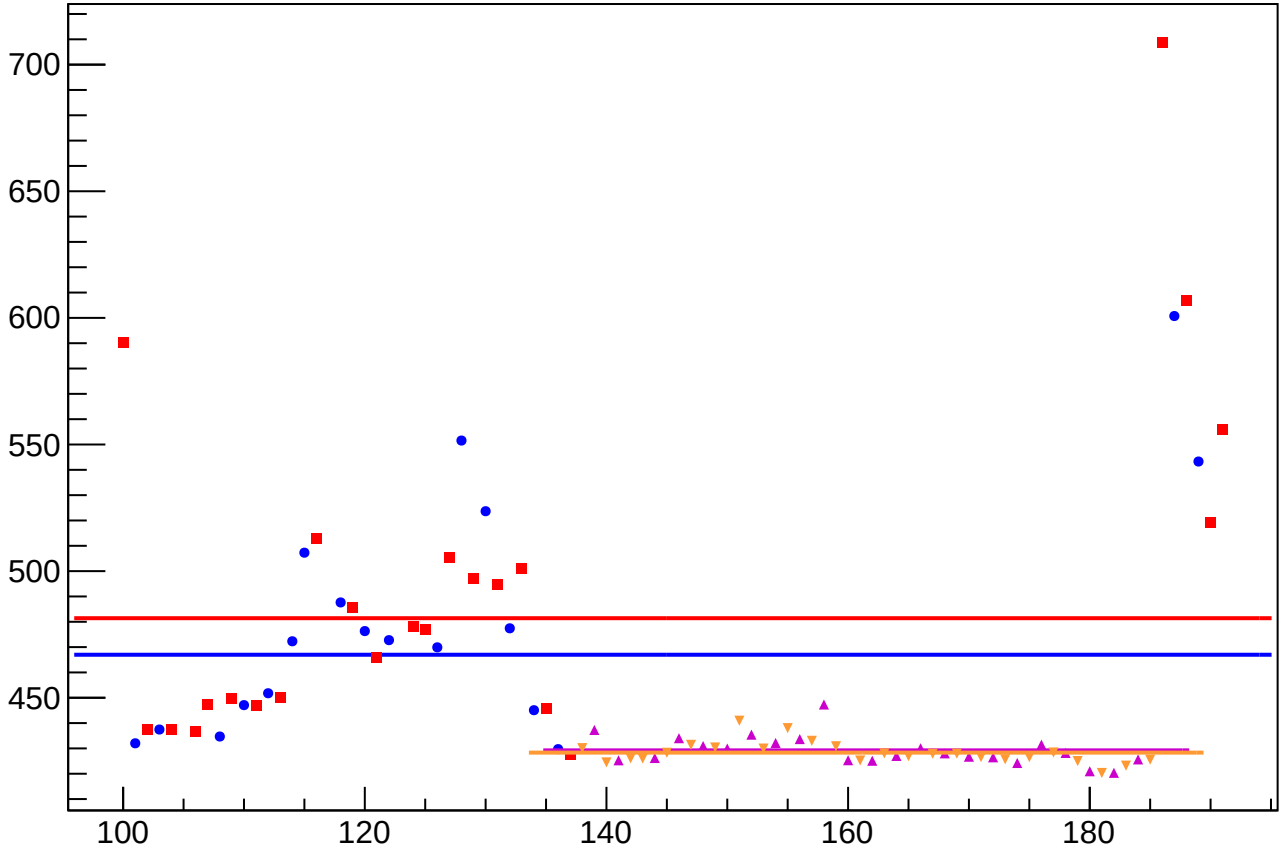
Left In: -0.044+/-0.100 χ^2/NDF:23.8/22

+ sign -0.165+/-0.084 χ^2/NDF: 41.4/42

All: -0.122+/-0.060 χ^2/NDF: 87.2/88

- sign -0.078+/-0.085 χ^2/NDF: 45.3/45

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: 481.416+/-0.111 χ^2/NDF: 253941.5/22

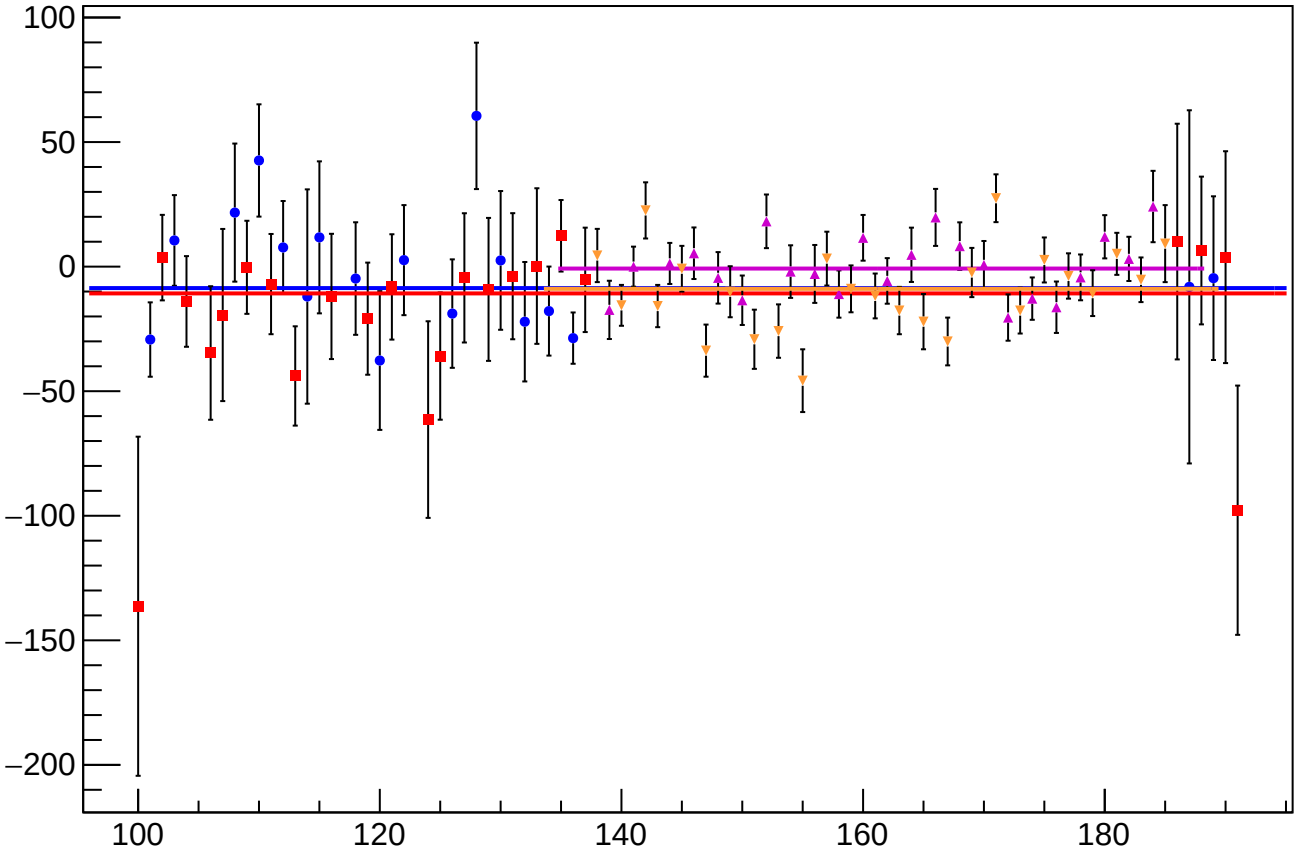
Left In: 429.228+/-0.071 χ^2/NDF:6749.9/22

+ sign 438.212+/-0.059 χ^2/NDF: 201509.0/42

All: 441.221+/-0.042 χ^2/NDF: 623670.3/88

- sign 444.272+/-0.060 χ^2/NDF: 416989.3/45

diff_bpm_4aX_4eX_avg_mean vs Slug



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: -10.749+/-5.023 χ^2/NDF: 17.5/22

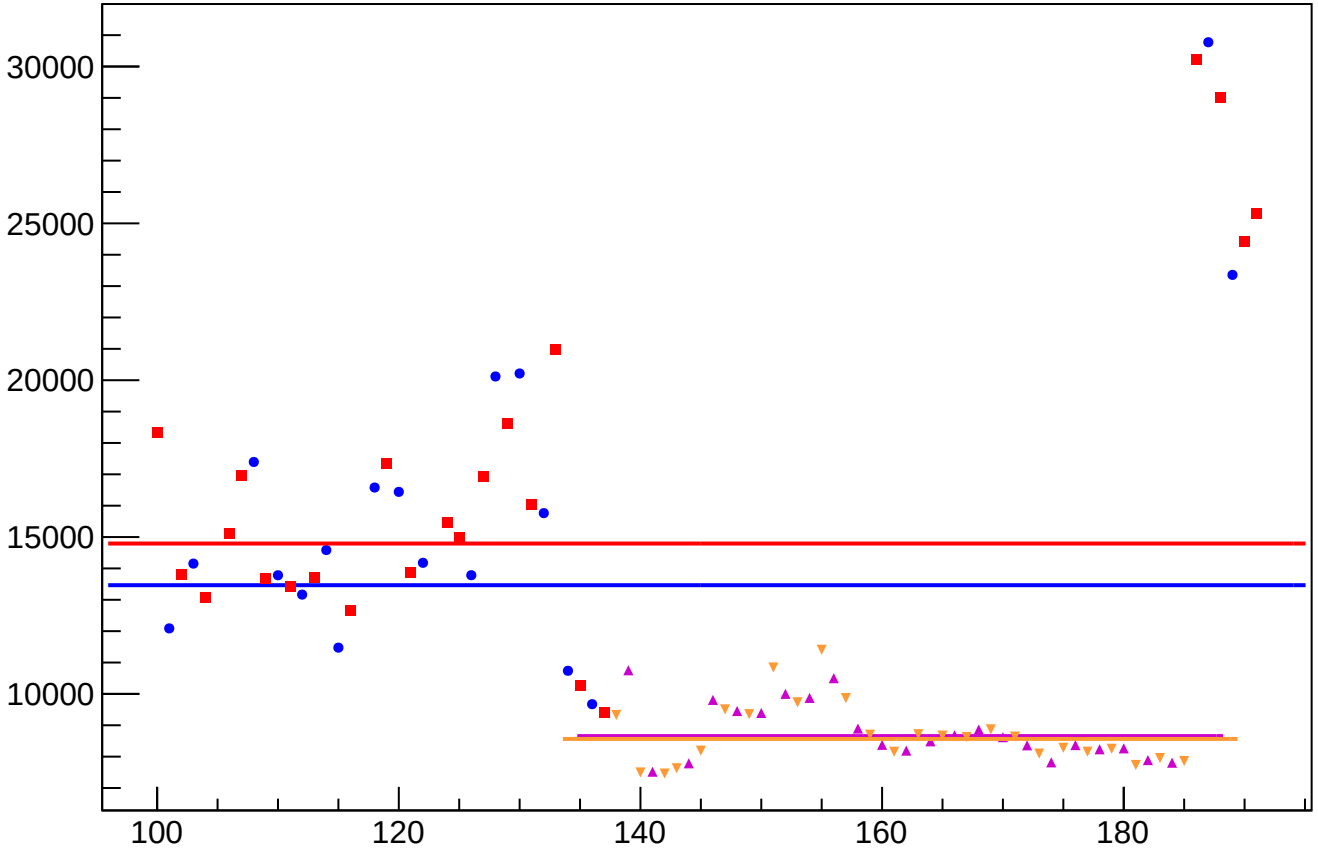
Left In: -0.773+/-2.034 χ^2/NDF:29.3/22

+ sign -8.865+/-1.824 χ^2/NDF: 83.9/42

All: -5.632+/-1.311 χ^2/NDF: 140.6/88

- sign -2.178+/-1.885 χ^2/NDF: 50.2/45

diff_bpm_4aX_4eX_avg_rms vs Slug



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: 14793.516+/-3.552 χ^2/NDF: 1432479.3/22

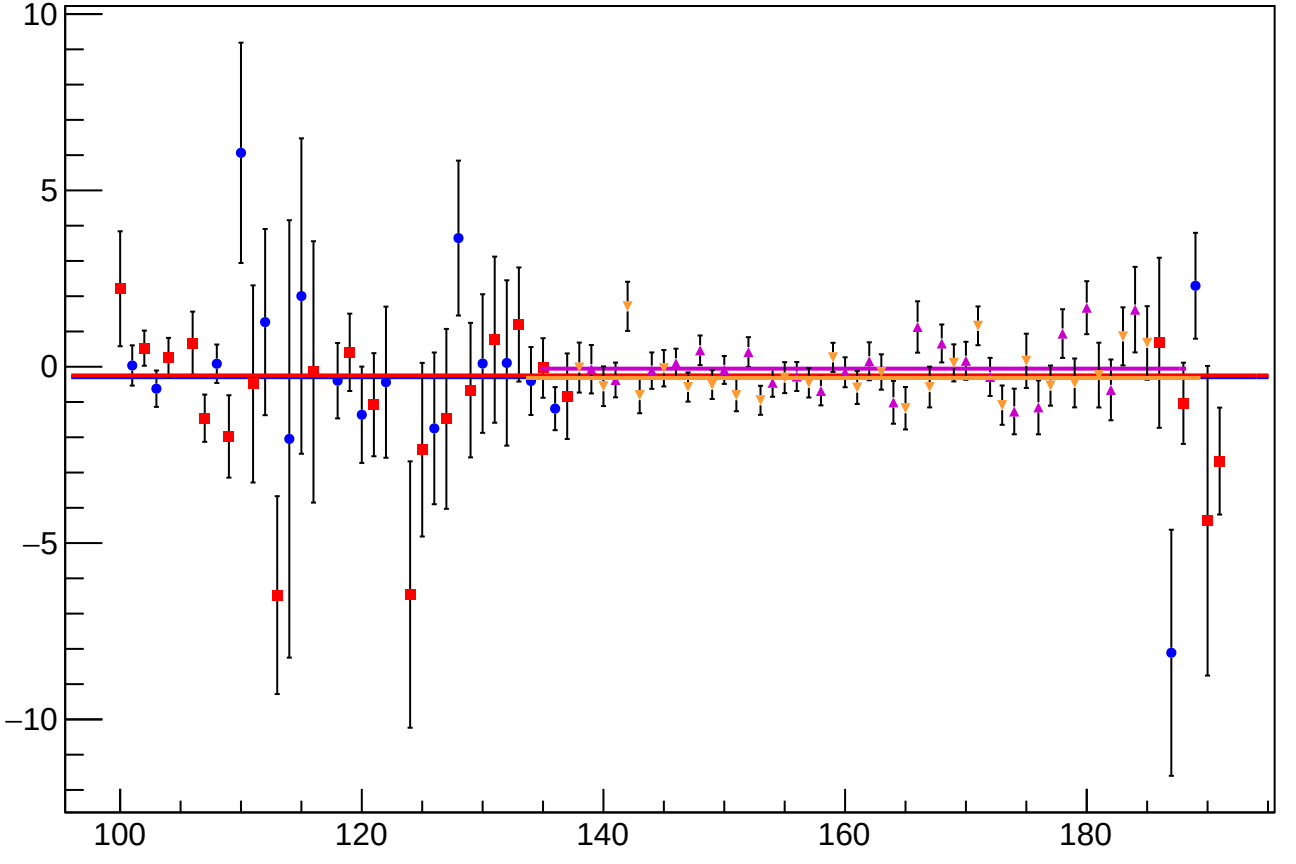
Left In: 8654.310+/-1.438 χ^2/NDF:345603.4/22

+ sign 9225.638+/-1.290 χ^2/NDF: 3077658.3/42

All: 9367.556+/-0.927 χ^2/NDF: 7447848.5/88

- sign 9519.194+/-1.333 χ^2/NDF: 4345140.1/45

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: -0.246+/-0.235 χ^2/NDF: 26.7/22

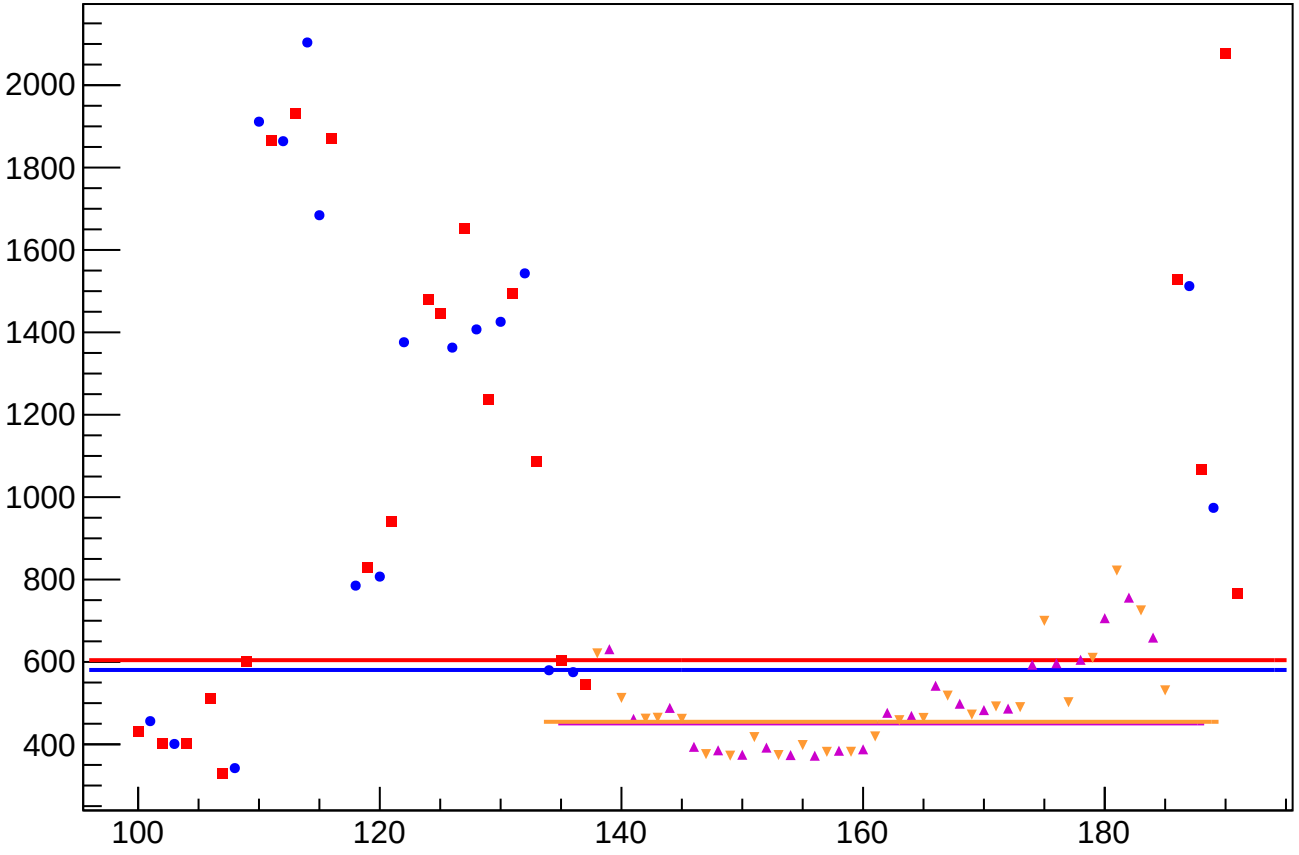
Left In: -0.054+/-0.108 χ^2/NDF:29.8/22

+ sign -0.314+/-0.097 χ^2/NDF: 52.9/42

All: -0.202+/-0.069 χ^2/NDF: 112.6/88

- sign -0.088+/-0.098 χ^2/NDF: 57.0/45

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: 604.300+/-0.166 χ^2/NDF: 4486494.9/22

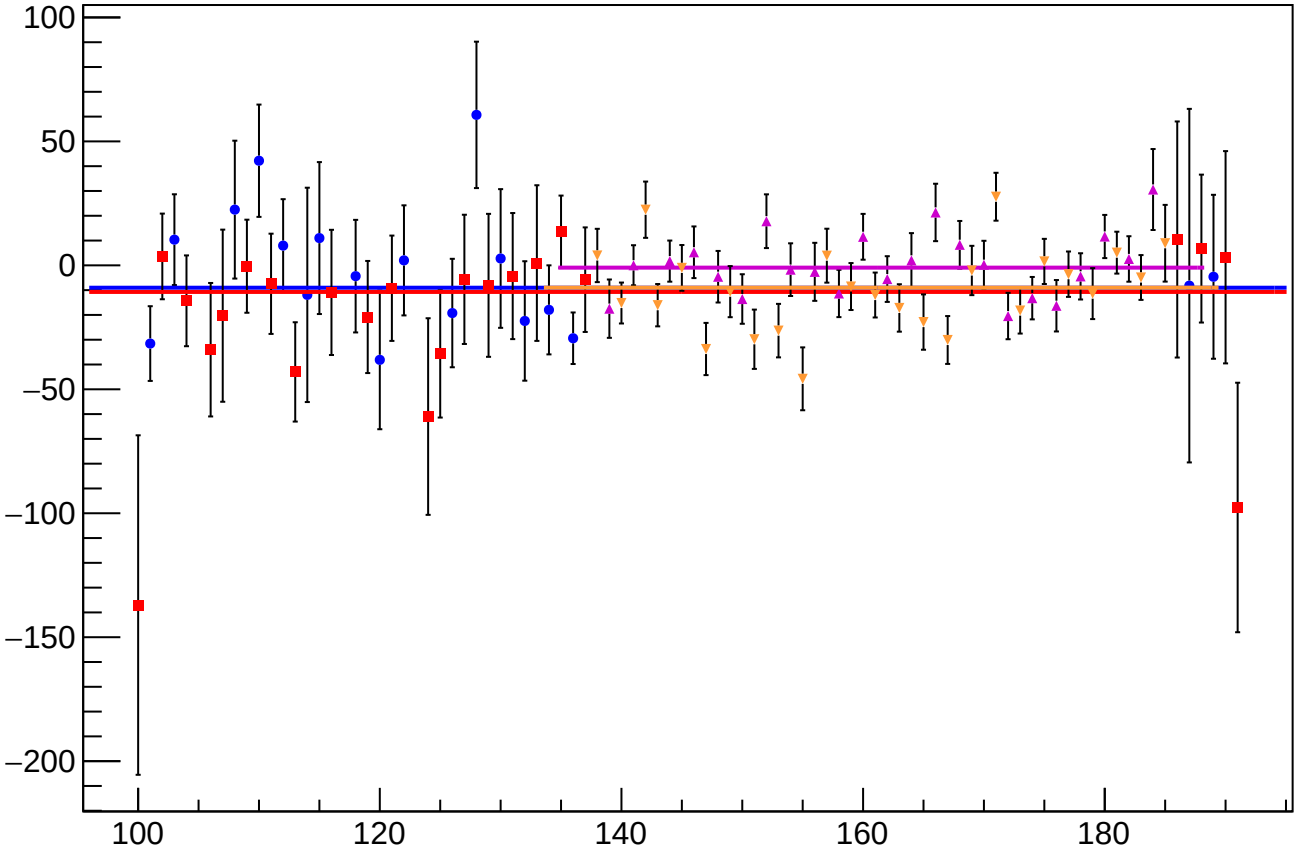
Left In: 450.767+/-0.076 χ^2/NDF:1471497.9/22

+ sign 475.169+/-0.069 χ^2/NDF: 5648186.6/42

All: 476.398+/-0.049 χ^2/NDF: 12312983.2/88

- sign 477.659+/-0.069 χ^2/NDF: 6664145.7/45

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: -10.725+/-5.057 χ^2/NDF: 17.3/22

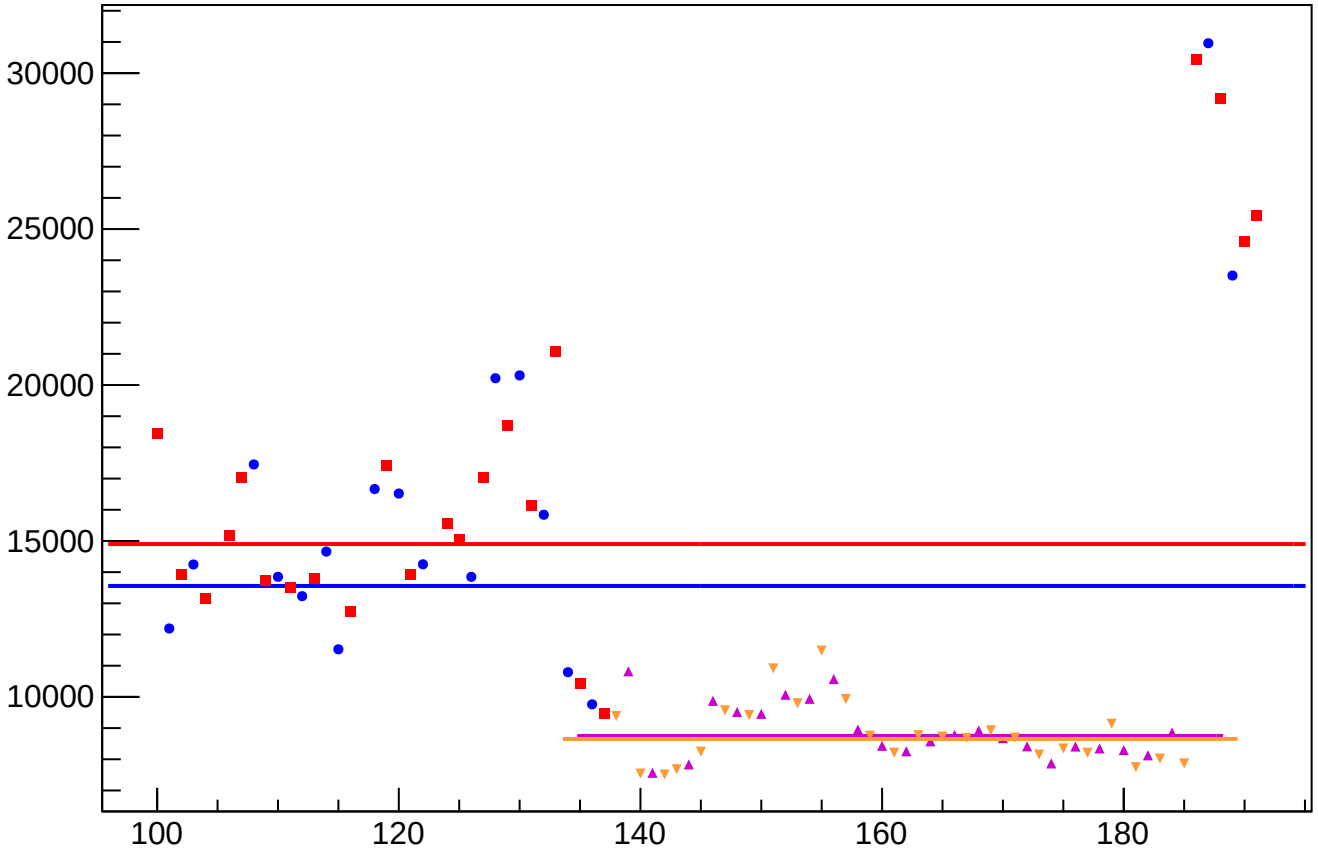
Left In: -0.925+/-2.056 χ^2/NDF:29.9/22

+ sign -9.004+/-1.842 χ^2/NDF: 84.0/42

All: -5.770+/-1.324 χ^2/NDF: 140.8/88

- sign -2.315+/-1.904 χ^2/NDF: 50.4/45

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: 14900.460+/-3.576 χ^2/NDF: 1418063.1/22

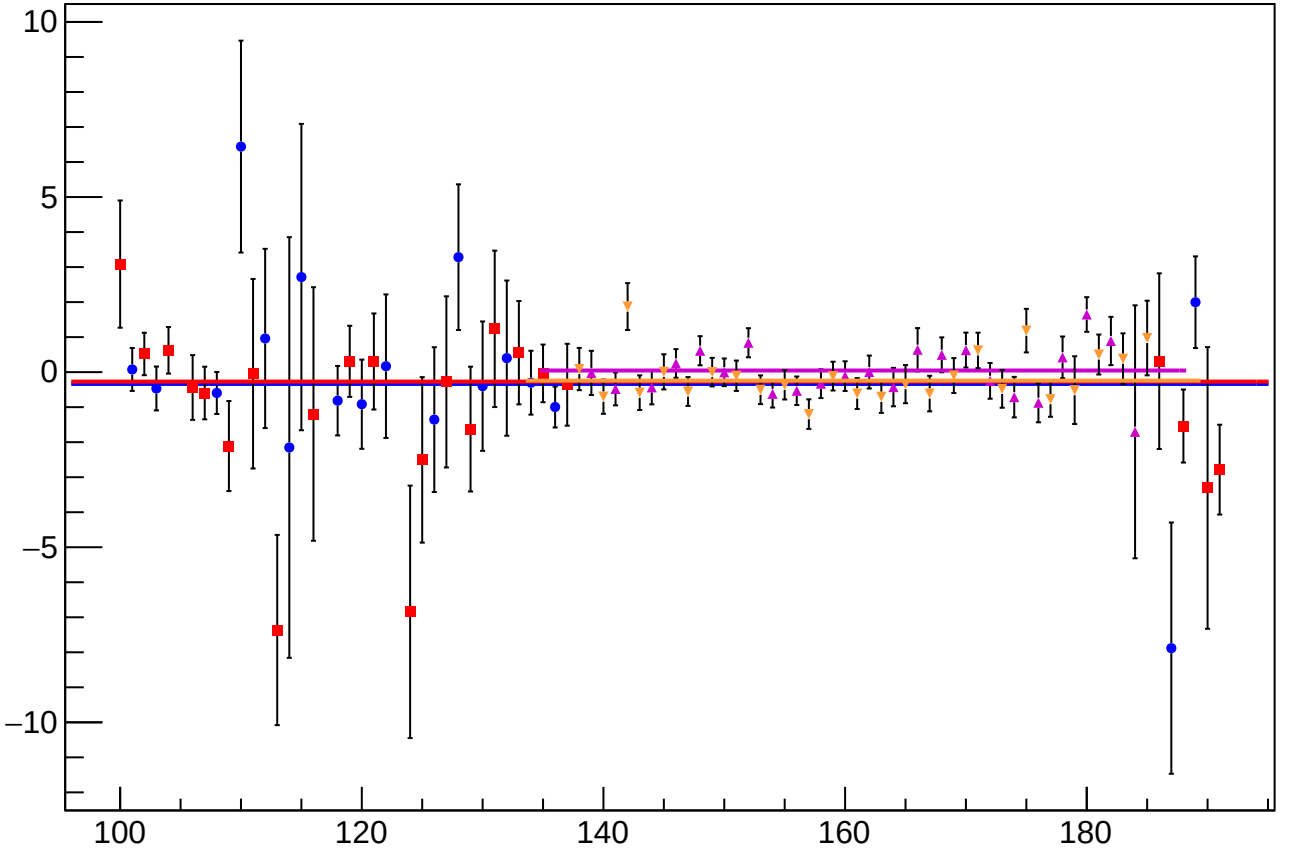
Left In: 8746.106+/-1.454 χ^2/NDF:331167.0/22

+ sign 9318.304+/-1.303 χ^2/NDF: 3052610.6/42

All: 9463.557+/-0.936 χ^2/NDF: 7369524.6/88

- sign 9618.761+/-1.347 χ^2/NDF: 4291195.8/45

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: -0.270+/-0.250 χ^2/NDF: 28.2/22

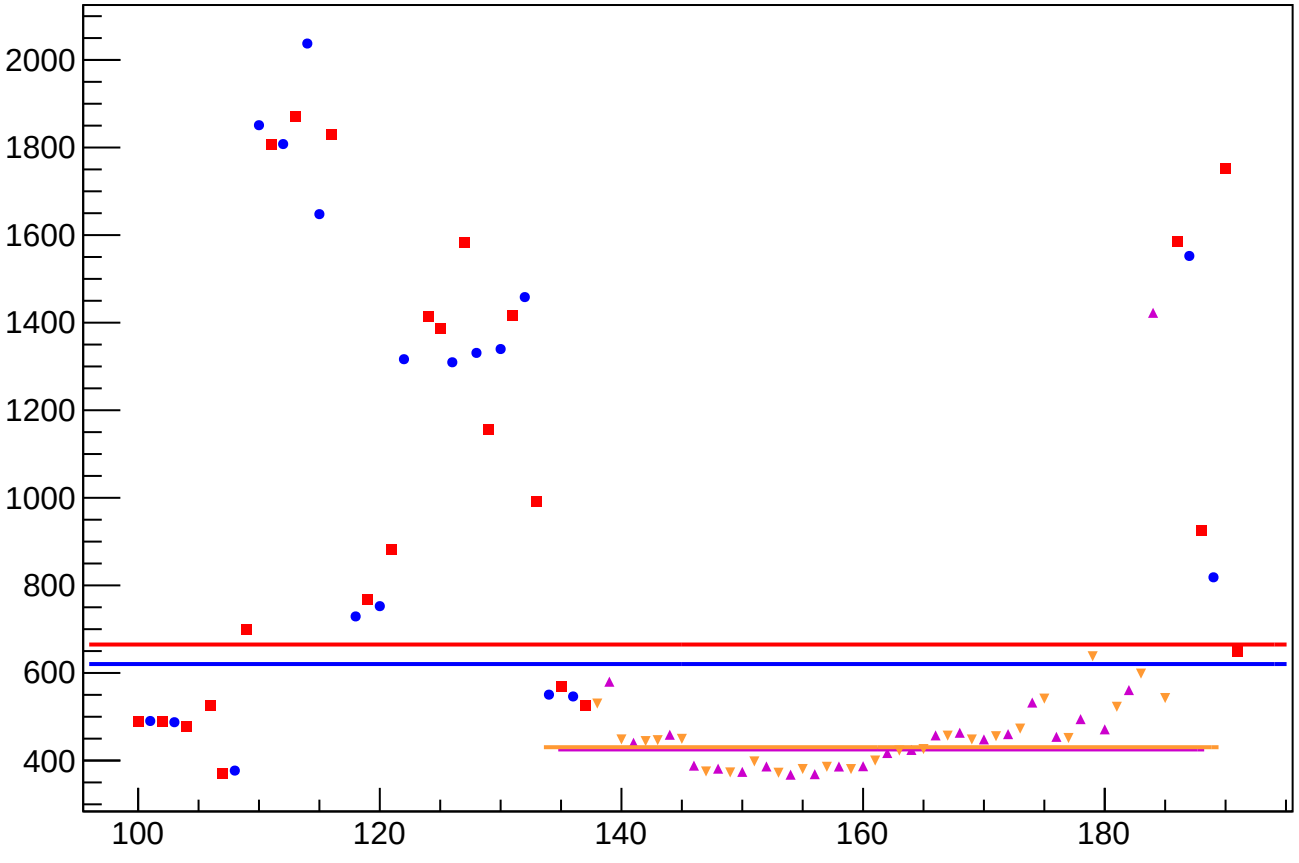
Left In: 0.047+/-0.102 χ^2/NDF:35.1/22

+ sign -0.255+/-0.093 χ^2/NDF: 53.7/42

All: -0.128+/-0.066 χ^2/NDF: 122.1/88

- sign 0.002+/-0.094 χ^2/NDF: 64.6/45

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

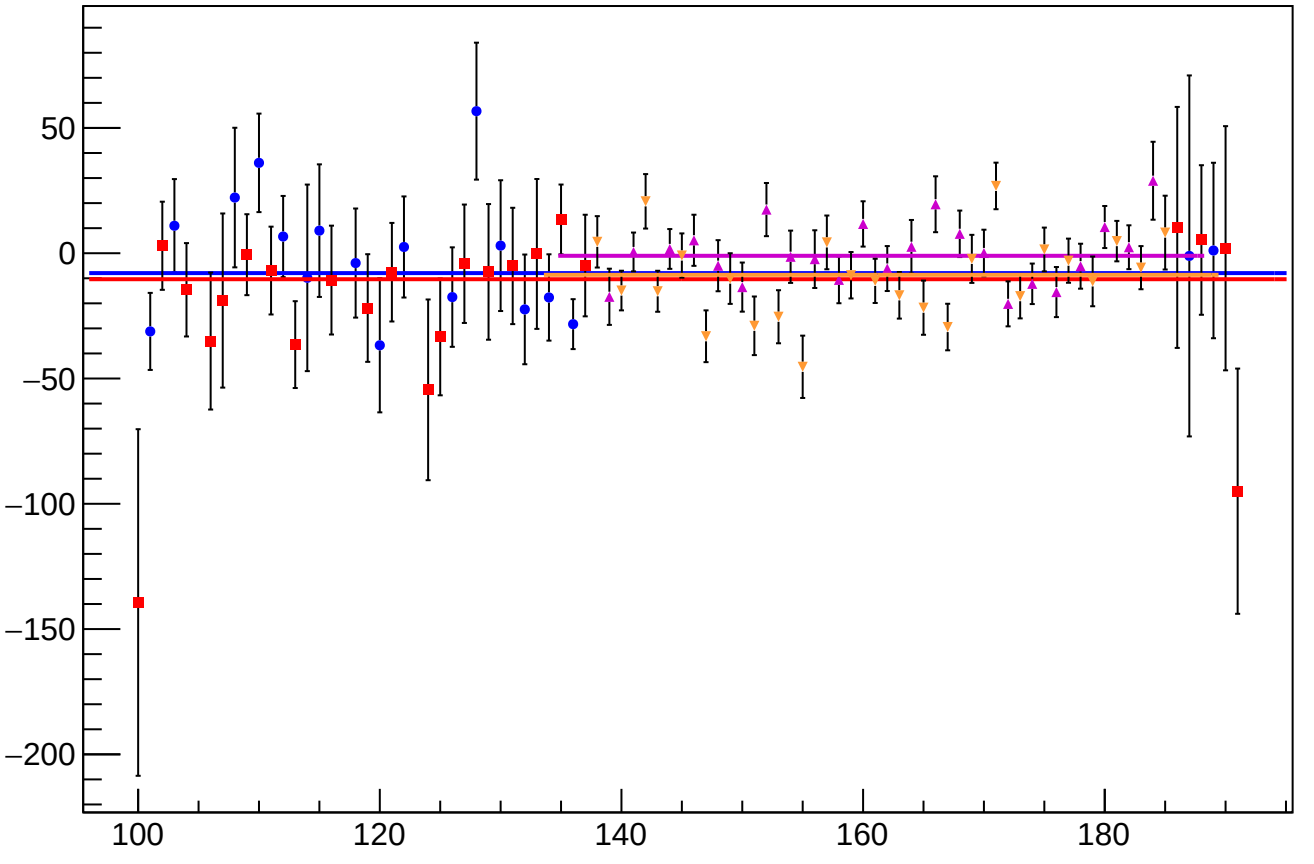
Right Out: 664.948+/-0.177 χ^2/NDF: 3357300.1/22

Left In: 425.312+/-0.072 χ^2/NDF:716953.2/22

+ sign 456.665+/-0.066 χ^2/NDF: 4678247.3/42

All: 457.990+/-0.047 χ^2/NDF: 10333973.2/88

- sign 459.345+/-0.067 χ^2/NDF: 5654904.9/45



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: -10.373+/-4.741 χ^2/NDF: 17.2/22

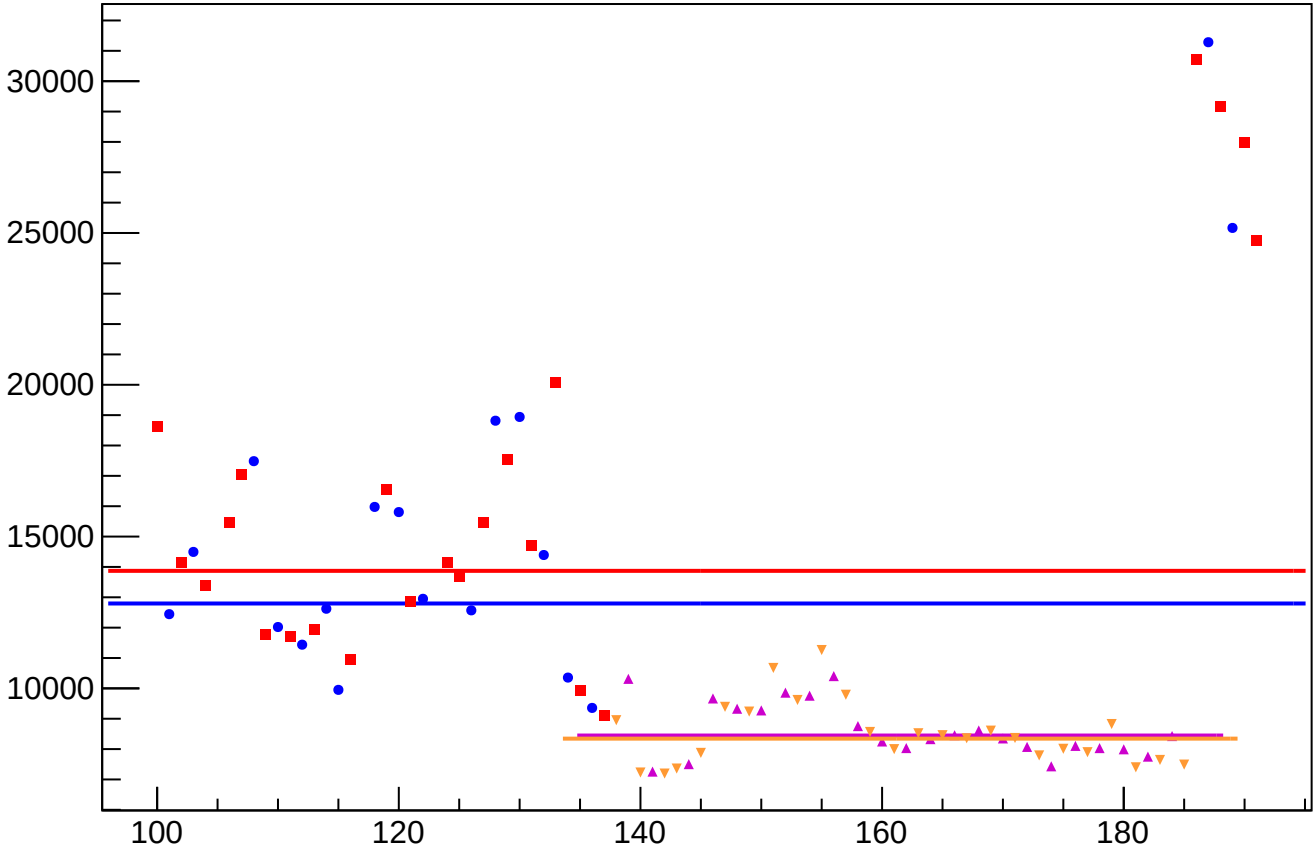
Left In: -1.027+/-1.987 χ^2/NDF:29.8/22

+ sign -8.526+/-1.773 χ^2/NDF: 84.8/42

All: -5.574+/-1.274 χ^2/NDF: 140.8/88

- sign -2.423+/-1.832 χ^2/NDF: 50.3/45

diff_bpm_4eX_4ecX_avg_rms vs Slug



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: 13871.016+/-3.352 χ^2/NDF: 1639520.1/22

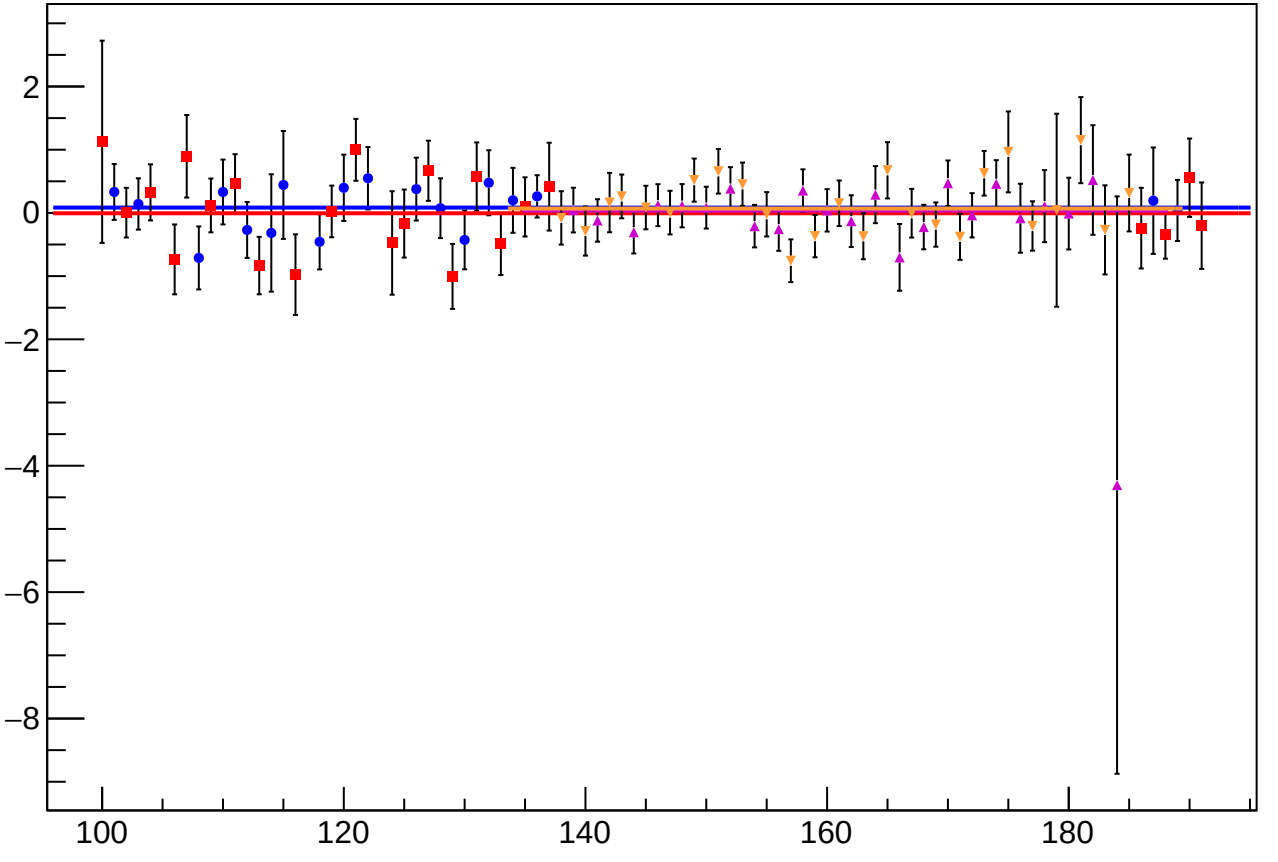
Left In: 8446.686+/-1.405 χ^2/NDF:381901.7/22

+ sign 8971.245+/-1.254 χ^2/NDF: 3055842.6/42

All: 9109.456+/-0.901 χ^2/NDF: 7329816.4/88

- sign 9257.021+/-1.296 χ^2/NDF: 4248850.6/45

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: -0.006+/-0.107 χ^2/NDF: 26.2/22

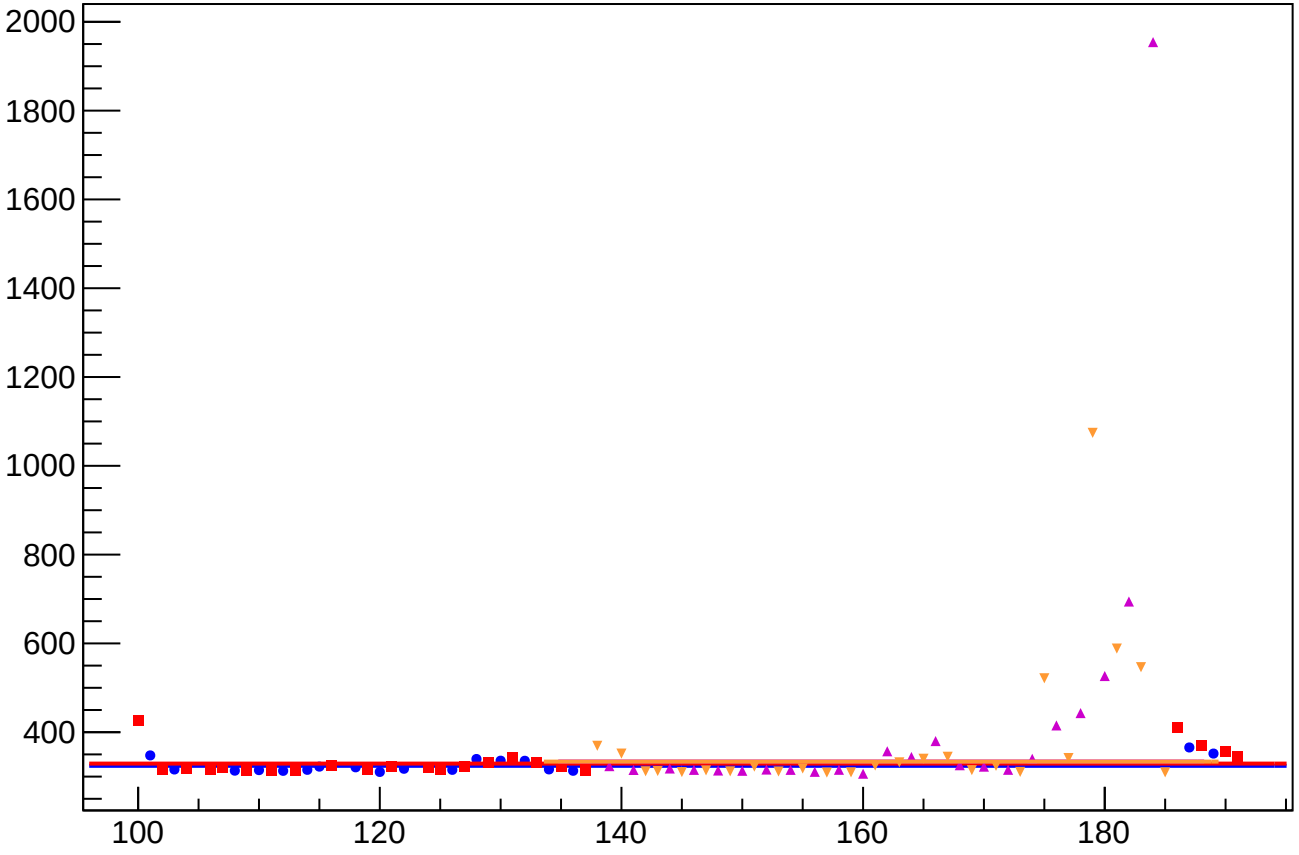
Left In: 0.037+/-0.081 χ^2/NDF:11.7/22

+ sign 0.074+/-0.065 χ^2/NDF: 37.6/42

All: 0.048+/-0.046 χ^2/NDF: 75.9/88

- sign 0.022+/-0.065 χ^2/NDF: 38.0/45

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: 329.291+/-0.076 χ^2/NDF: 87193.0/22

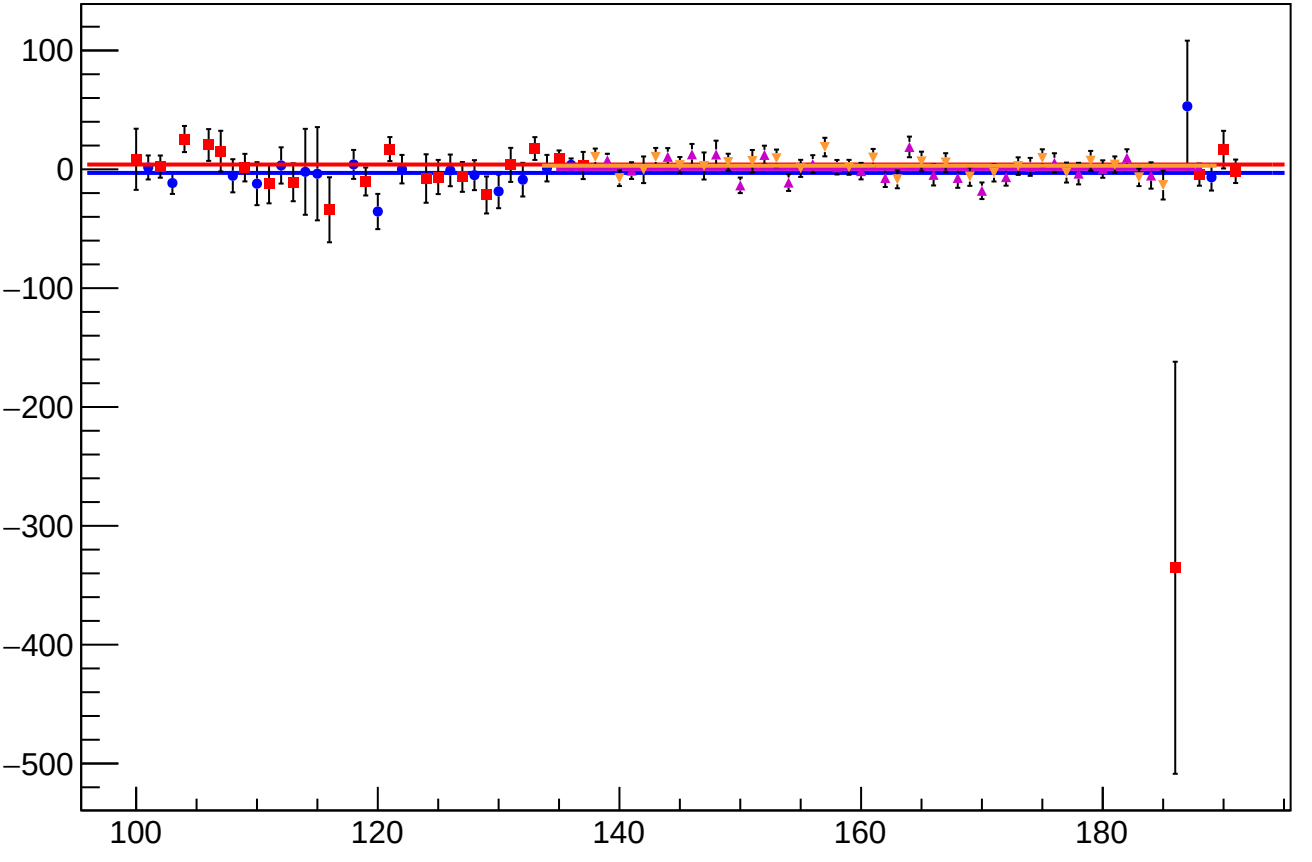
Left In: 333.979+/-0.057 χ^2/NDF:1050984.2/22

+ sign 330.751+/-0.046 χ^2/NDF: 1256956.9/42

All: 331.524+/-0.032 χ^2/NDF: 2398120.1/88

- sign 332.283+/-0.046 χ^2/NDF: 1140606.8/45

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

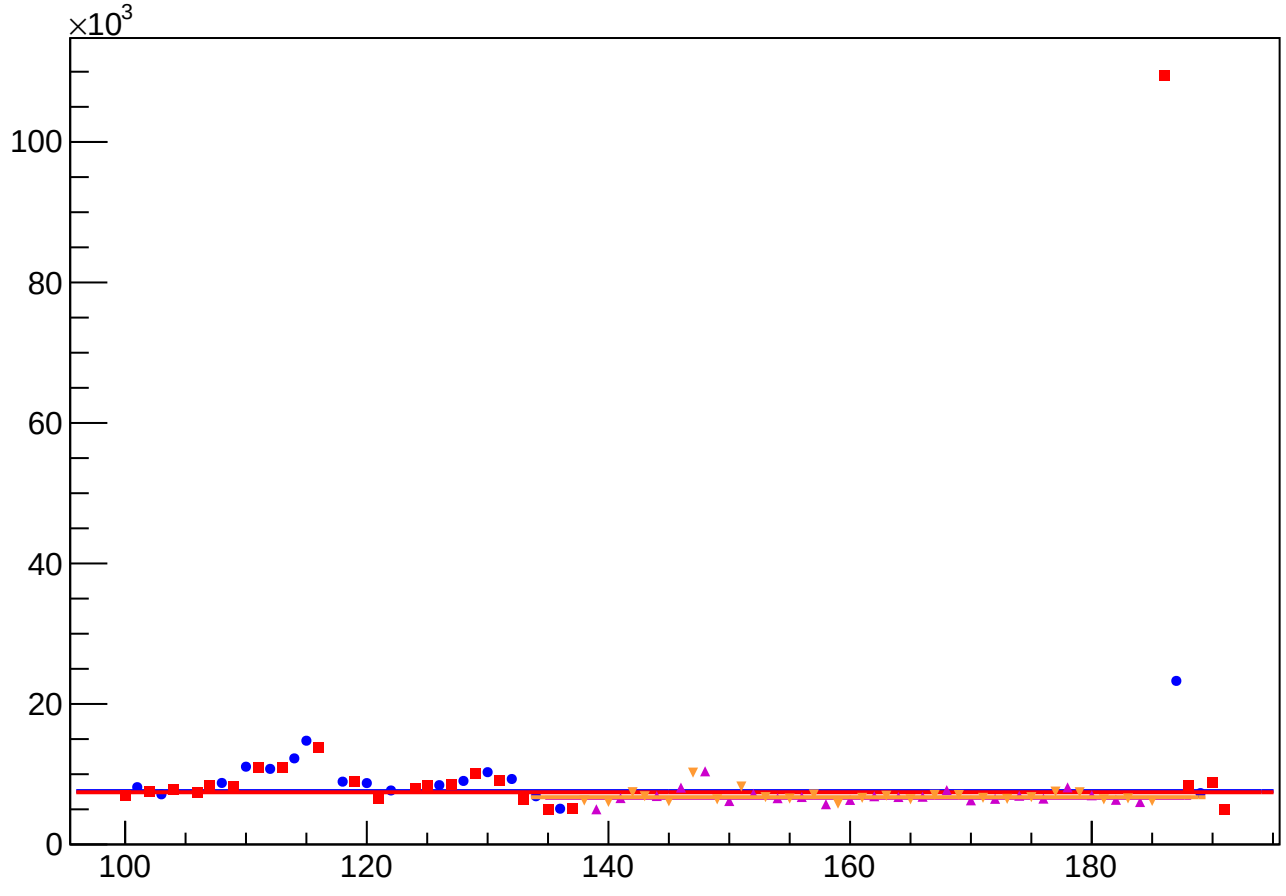
Right Out: 4.032+/-2.572 χ^2/NDF: 25.1/22

Left In: 0.351+/-1.568 χ^2/NDF:33.8/22

+ sign 1.627+/-1.352 χ^2/NDF: 34.9/42

All: 1.487+/-0.951 χ^2/NDF: 95.3/88

- sign 1.349+/-1.339 χ^2/NDF: 60.4/45



Right In: 7597.197+/-1.989 χ^2/NDF: 1060574.7/17

Left Out: 6722.984+/-1.090 χ^2/NDF:403317.7/24

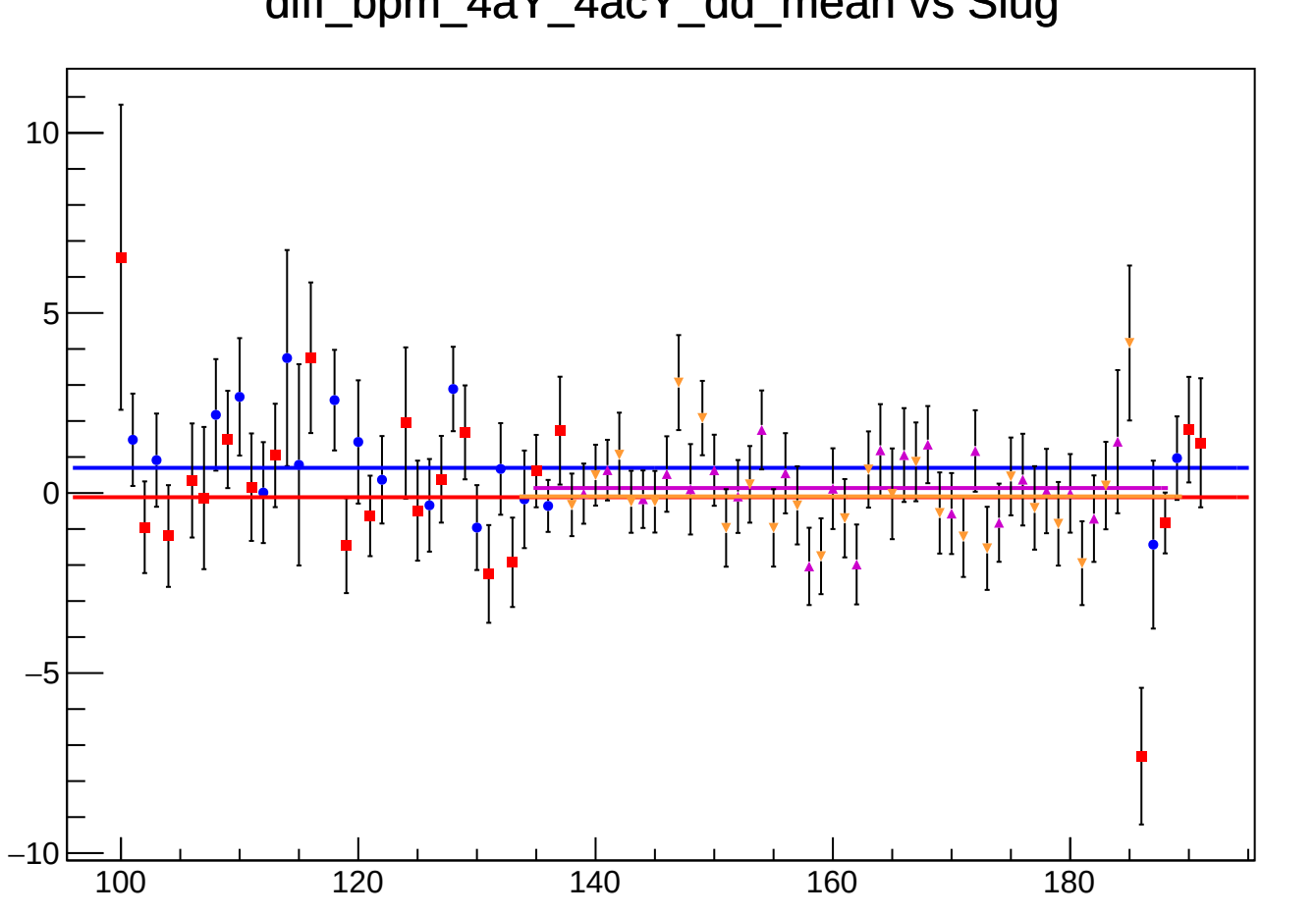
Right Out: 7430.349+/-1.819 χ^2/NDF: 1679991.8/22

Left In: 6632.723+/-1.109 χ^2/NDF:629490.9/22

+ sign 6924.992+/-0.956 χ^2/NDF: 1612505.0/42

All: 6886.585+/-0.673 χ^2/NDF: 4065391.6/88

- sign 6848.902+/-0.947 χ^2/NDF: 2449688.2/45



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: -0.117+/-0.288 χ^2/NDF: 37.5/22

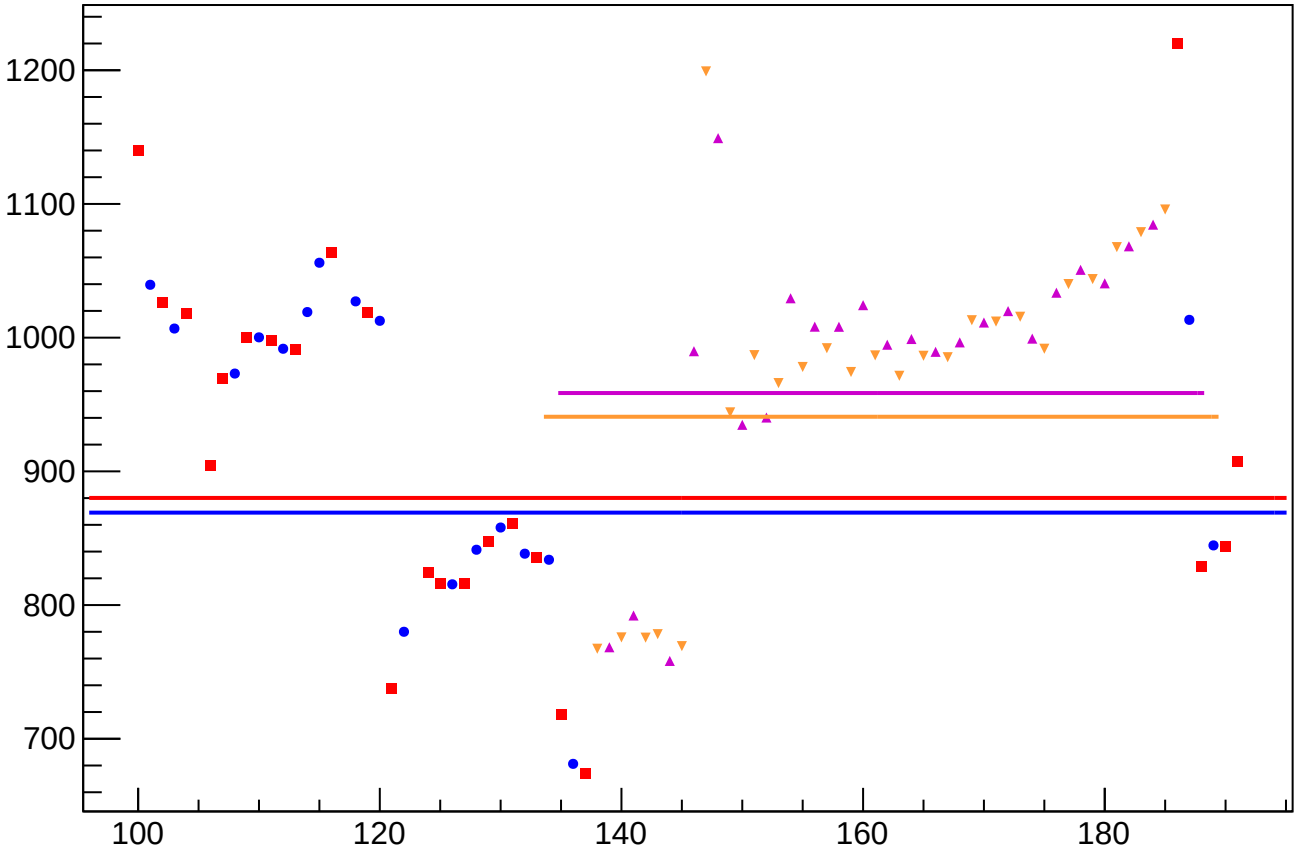
Left In: 0.138+/-0.225 χ^2/NDF:16.5/22

+ sign 0.163+/-0.177 χ^2/NDF: 47.4/42

All: 0.102+/-0.125 χ^2/NDF: 102.1/88

- sign 0.041+/-0.178 χ^2/NDF: 54.5/45

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: 880.122+/-0.204 χ^2/NDF: 345807.9/22

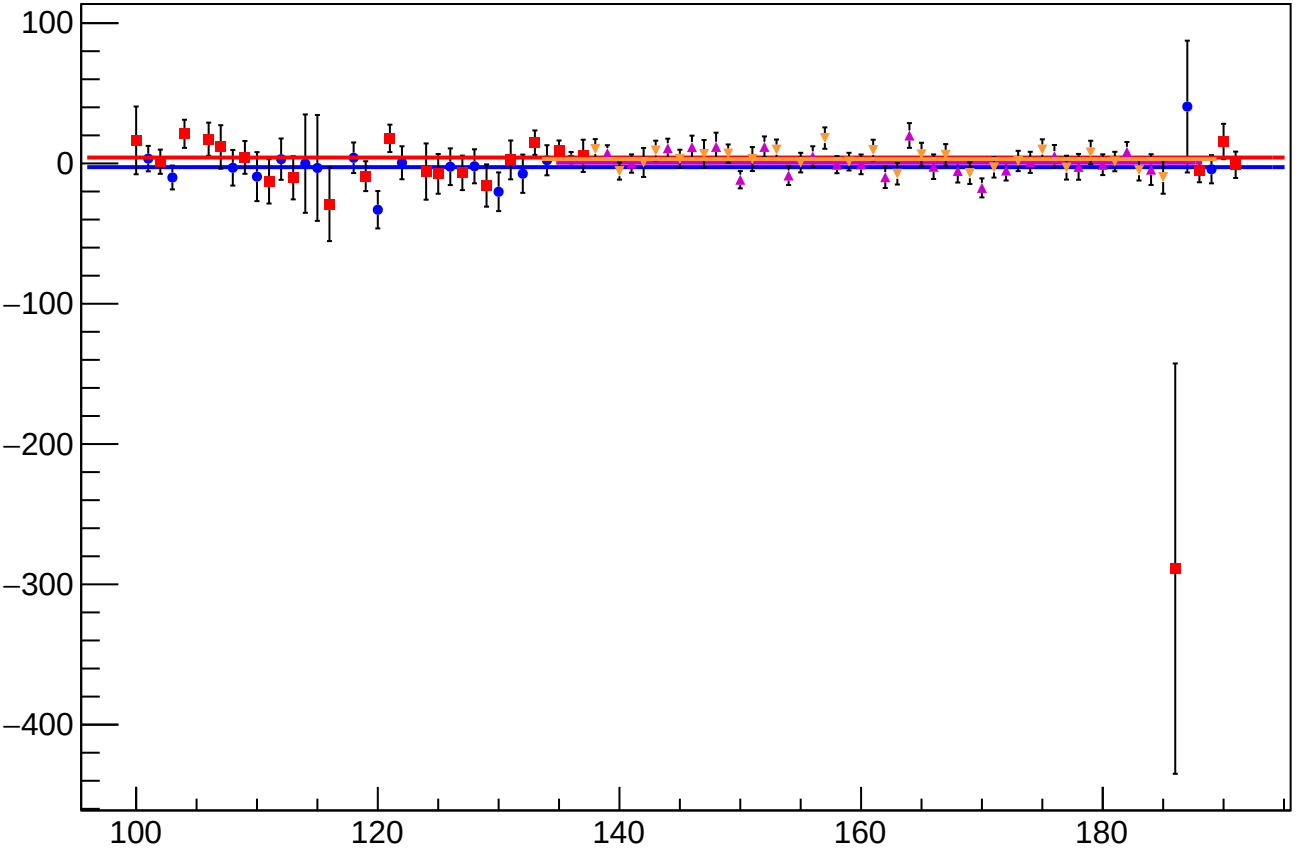
Left In: 958.578+/-0.159 χ^2/NDF:456824.8/22

+ sign 917.595+/-0.125 χ^2/NDF: 951627.1/42

All: 923.202+/-0.089 χ^2/NDF: 1850168.6/88

- sign 928.843+/-0.126 χ^2/NDF: 894517.2/45

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: 4.195+/-2.427 χ^2/NDF: 23.7/22

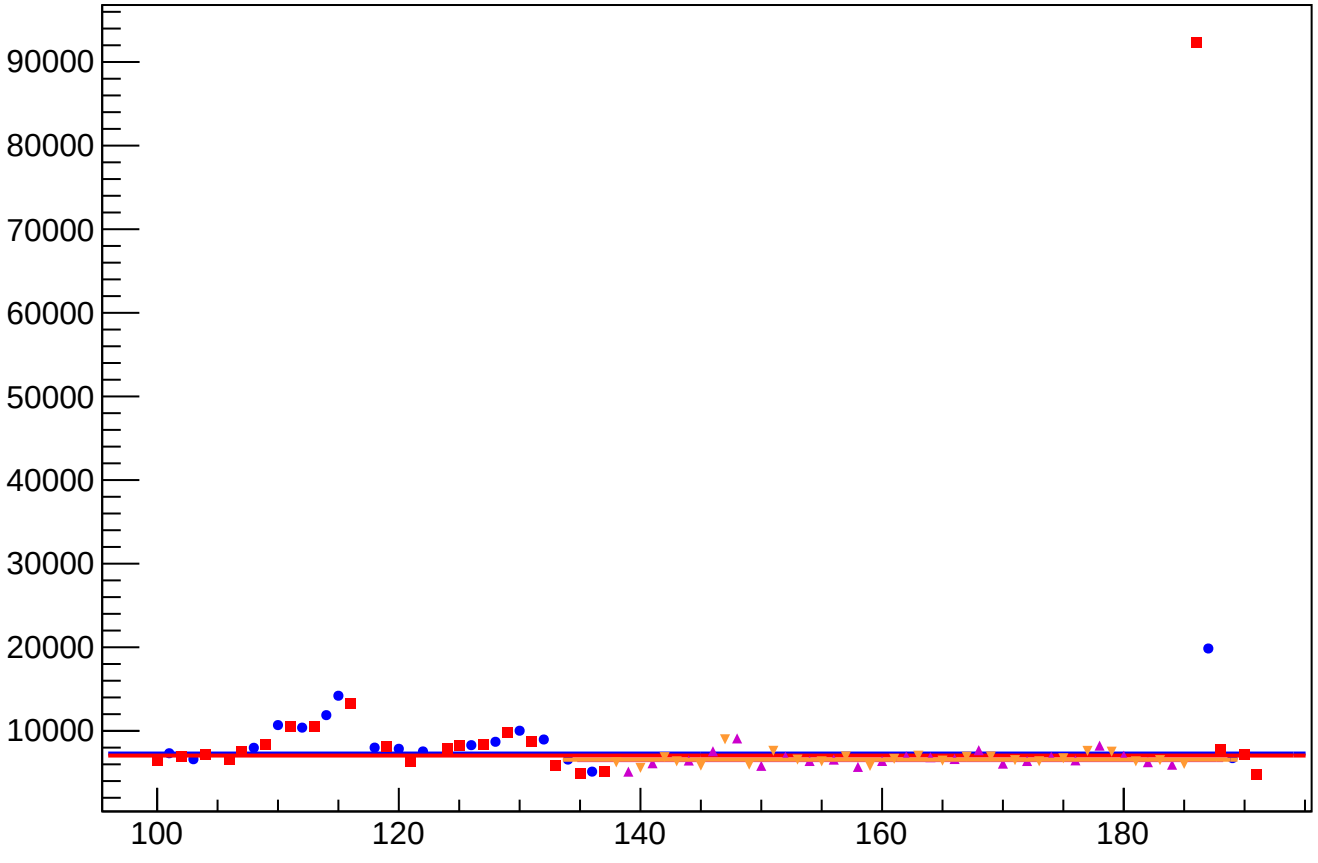
Left In: 0.519+/-1.535 χ^2/NDF:32.0/22

+ sign 1.730+/-1.309 χ^2/NDF: 33.0/42

All: 1.649+/-0.922 χ^2/NDF: 90.4/88

- sign 1.569+/-1.297 χ^2/NDF: 57.4/45

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: 7050.337+/-1.716 χ^2/NDF: 1607858.5/22

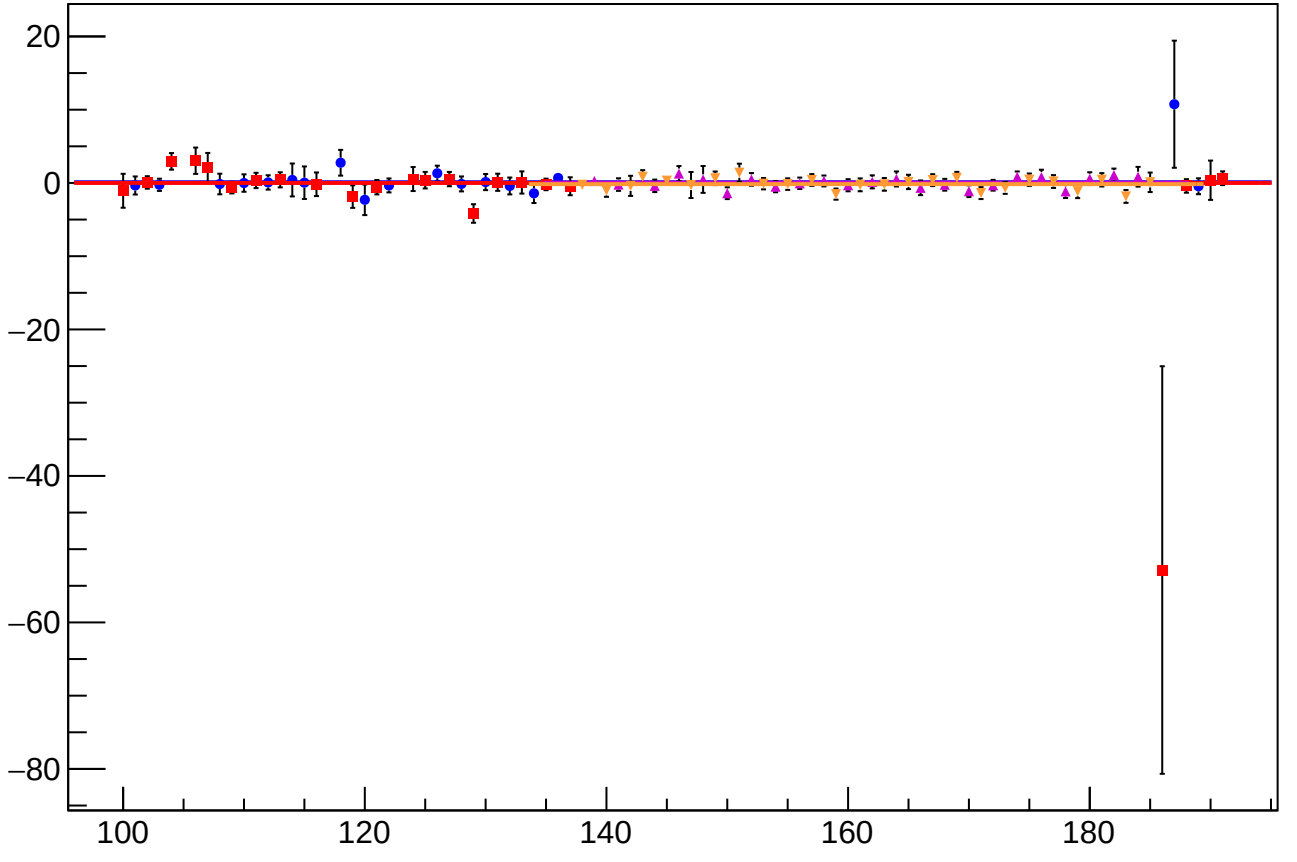
Left In: 6505.057+/-1.085 χ^2/NDF:515496.8/22

+ sign 6726.032+/-0.926 χ^2/NDF: 1402575.0/42

All: 6693.127+/-0.652 χ^2/NDF: 3600545.2/88

- sign 6660.827+/-0.917 χ^2/NDF: 2195467.1/45

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: 0.004+/-0.243 χ^2/NDF: 29.5/22

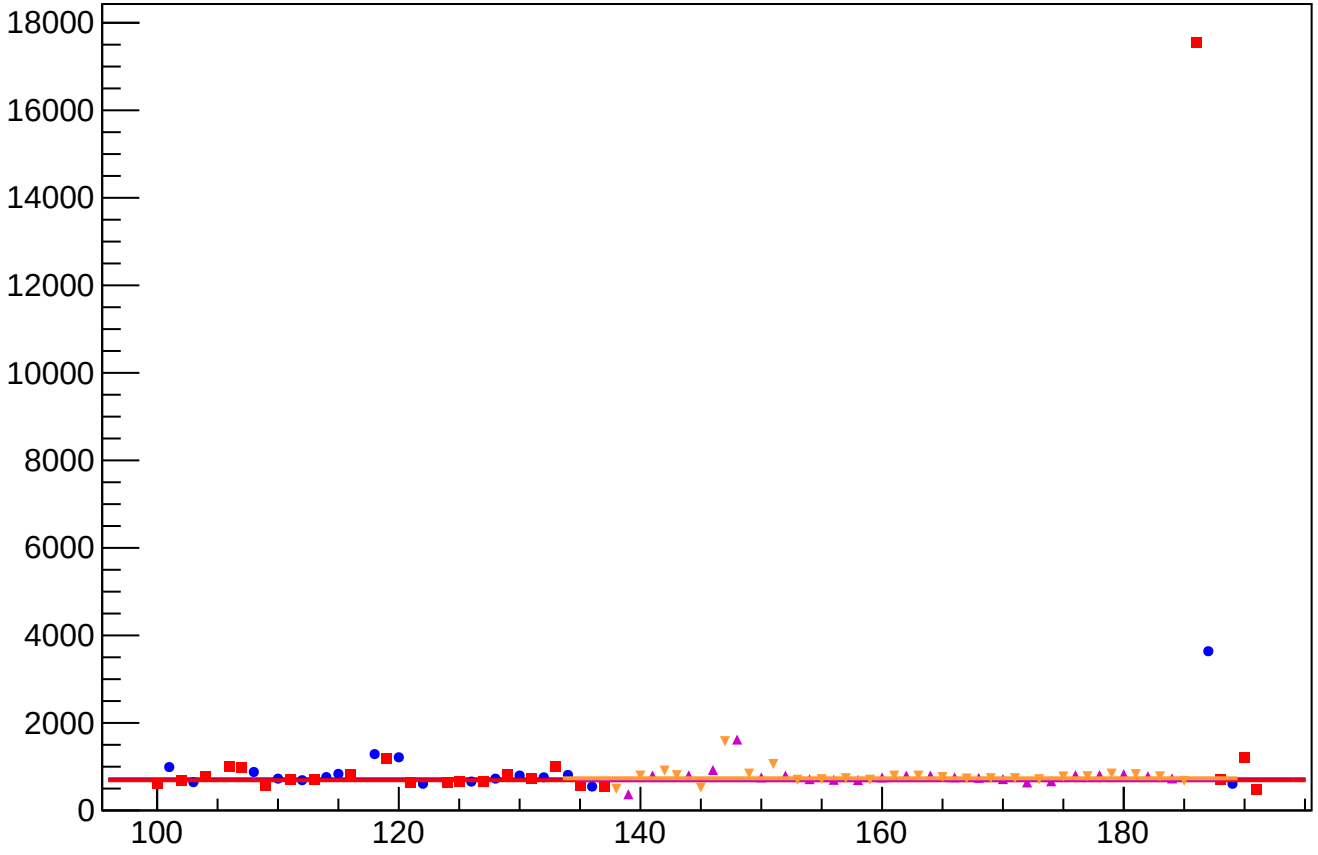
Left In: 0.017+/-0.169 χ^2/NDF:15.2/22

+ sign -0.086+/-0.144 χ^2/NDF: 29.5/42

All: -0.035+/-0.100 χ^2/NDF: 74.4/88

- sign 0.013+/-0.139 χ^2/NDF: 44.7/45

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: 690.599+/-0.172 χ^2/NDF: 1497340.0/22

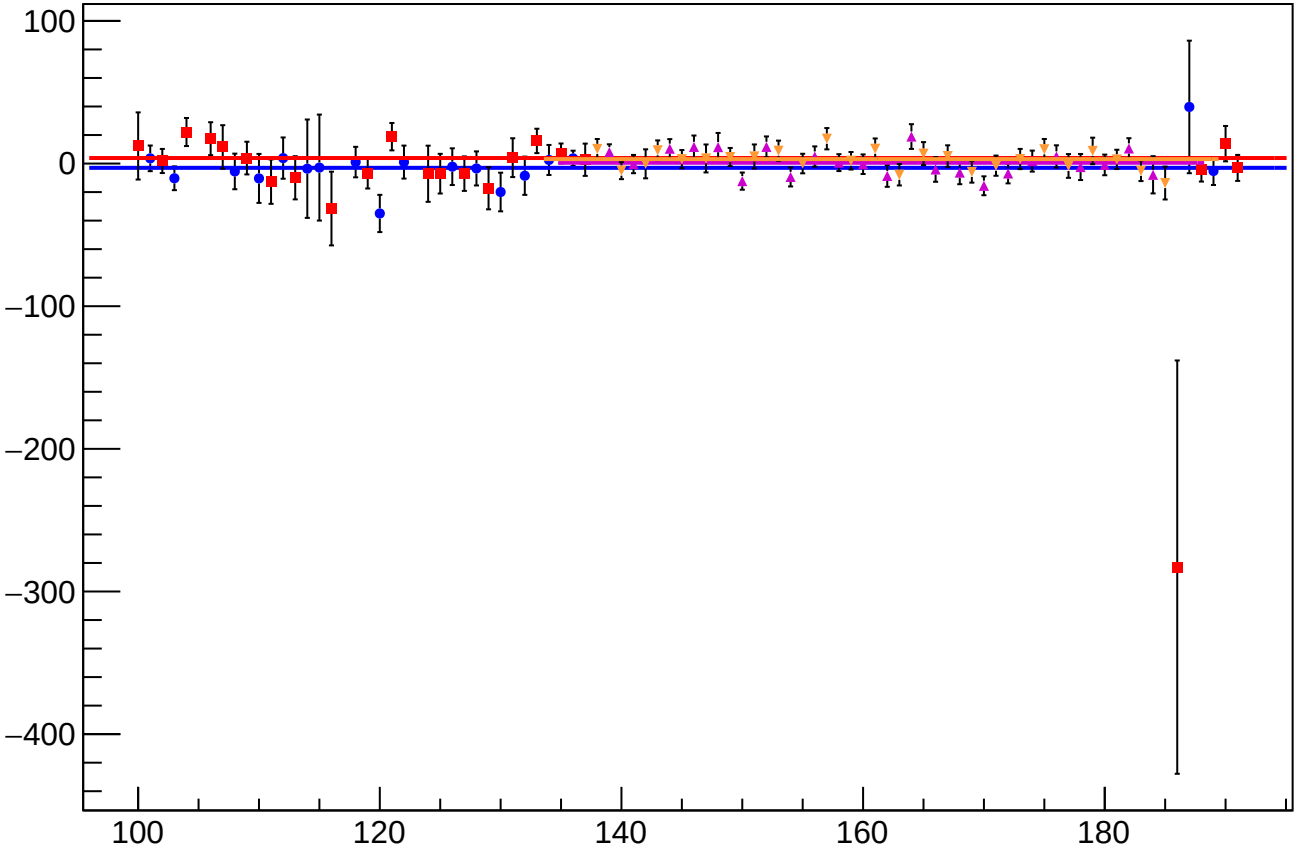
Left In: 694.150+/-0.120 χ^2/NDF:2225094.5/22

+ sign 727.615+/-0.102 χ^2/NDF: 2296613.3/42

All: 709.639+/-0.071 χ^2/NDF: 6079107.7/88

- sign 692.994+/-0.098 χ^2/NDF: 3722721.7/45

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: 3.882+/-2.388 χ^2/NDF: 24.8/22

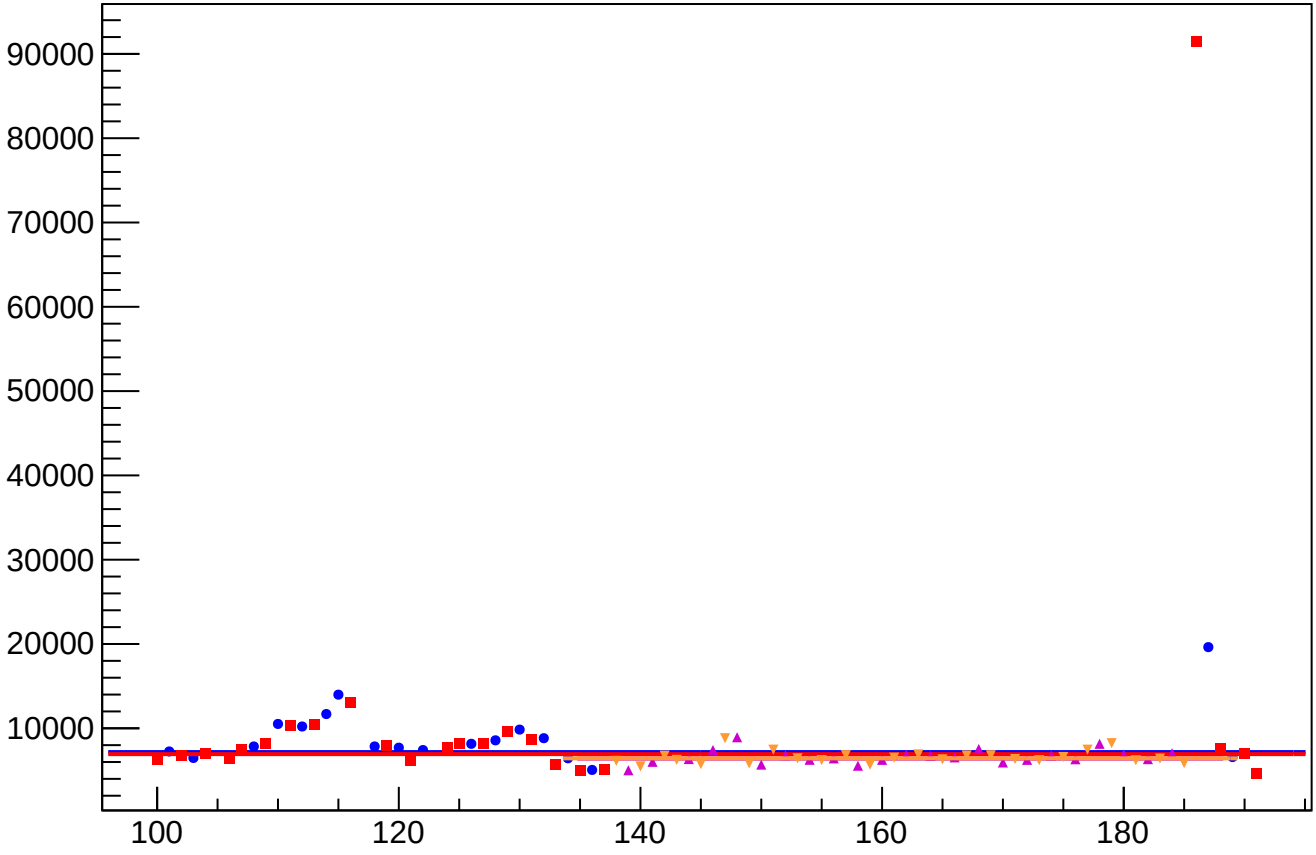
Left In: 0.550+/-1.512 χ^2/NDF:33.6/22

+ sign 1.656+/-1.289 χ^2/NDF: 35.3/42

All: 1.579+/-0.907 χ^2/NDF: 95.0/88

- sign 1.504+/-1.278 χ^2/NDF: 59.8/45

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: 6935.143+/-1.689 χ^2/NDF: 1593121.2/22

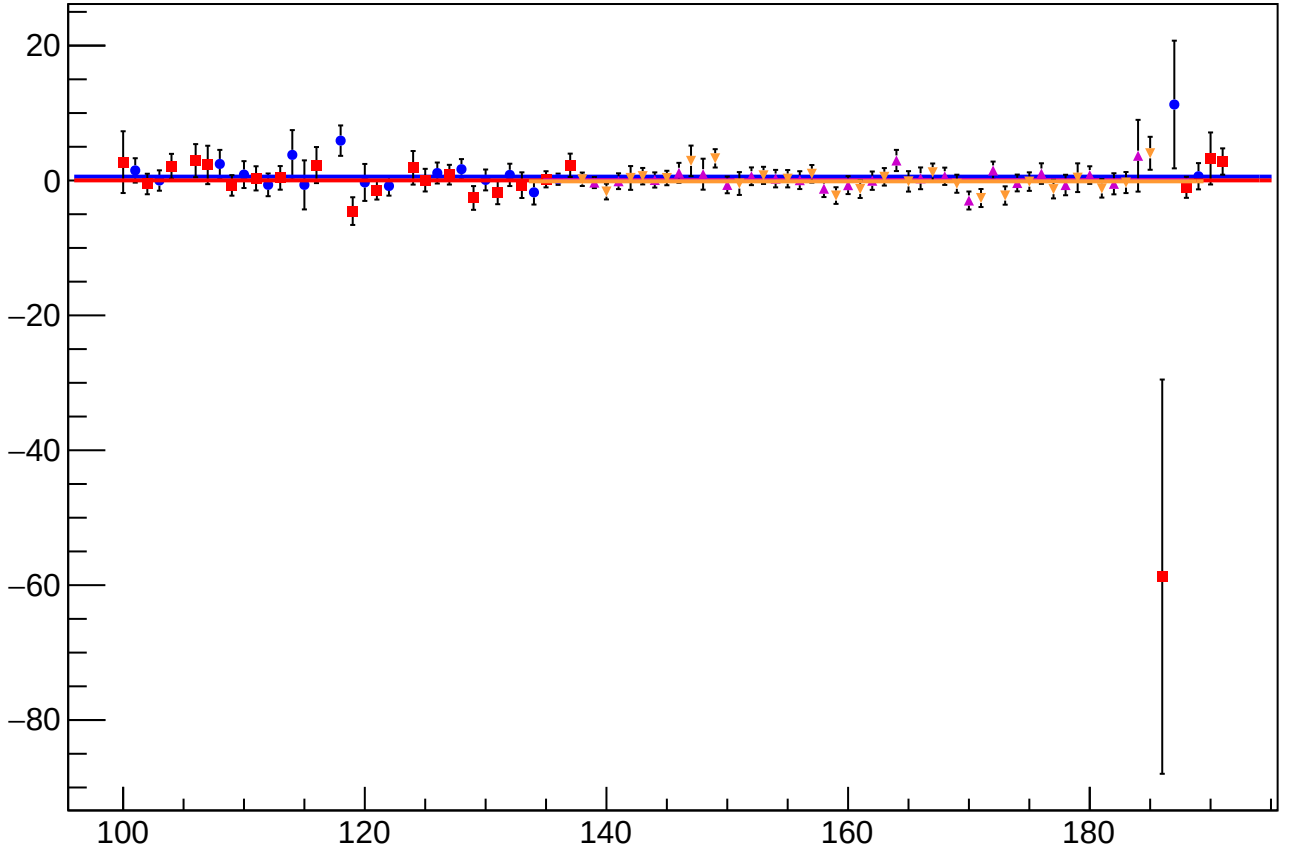
Left In: 6405.229+/-1.069 χ^2/NDF:525079.4/22

+ sign 6611.845+/-0.911 χ^2/NDF: 1450136.2/42

All: 6584.148+/-0.642 χ^2/NDF: 3640447.1/88

- sign 6556.910+/-0.904 χ^2/NDF: 2188478.0/45

diff_bpm_4aY_4ecY_dd_mean vs Slug



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: 0.018+/-0.386 χ^2/NDF: 24.1/22

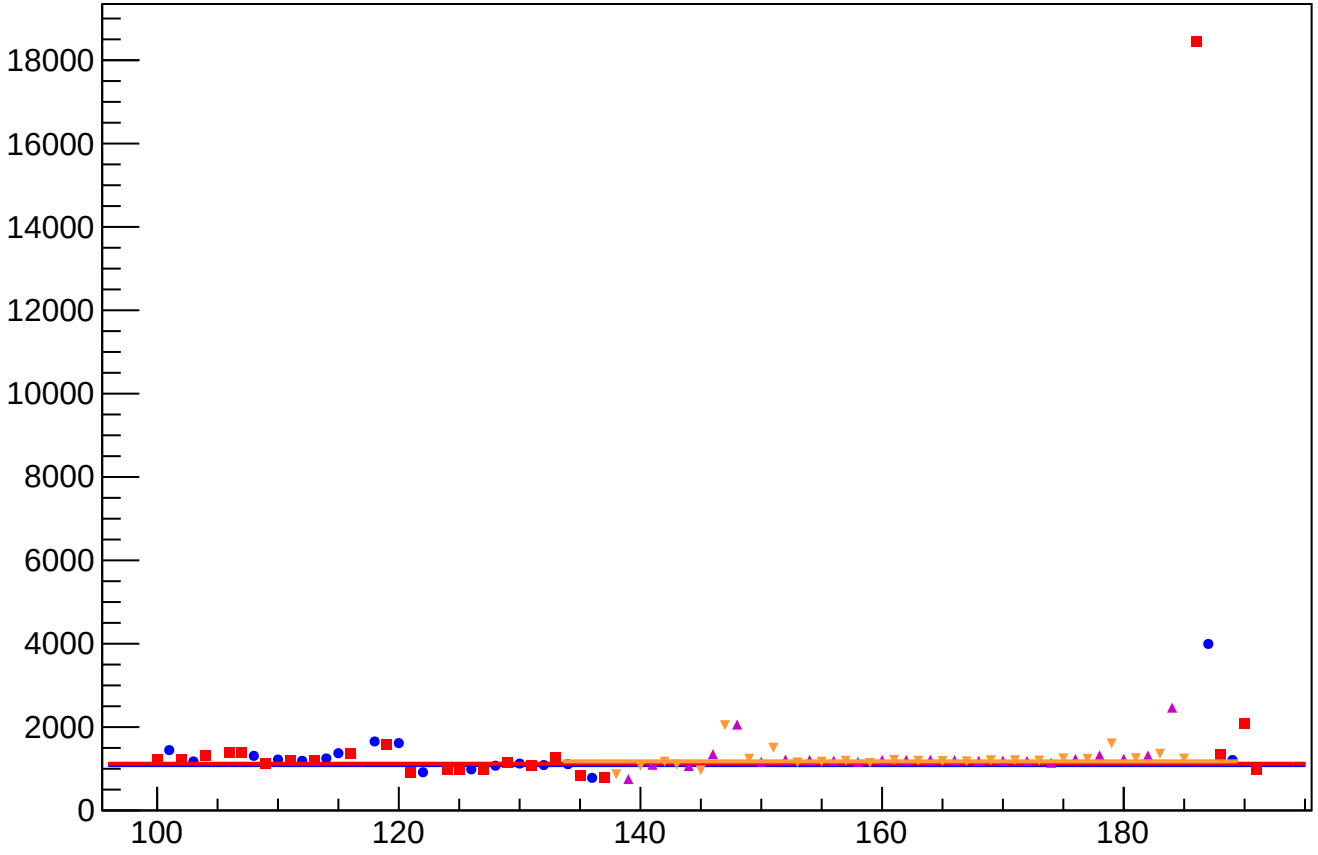
Left In: 0.029+/-0.279 χ^2/NDF:14.4/22

+ sign 0.097+/-0.226 χ^2/NDF: 42.2/42

All: 0.061+/-0.160 χ^2/NDF: 80.8/88

- sign 0.025+/-0.226 χ^2/NDF: 38.6/45

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

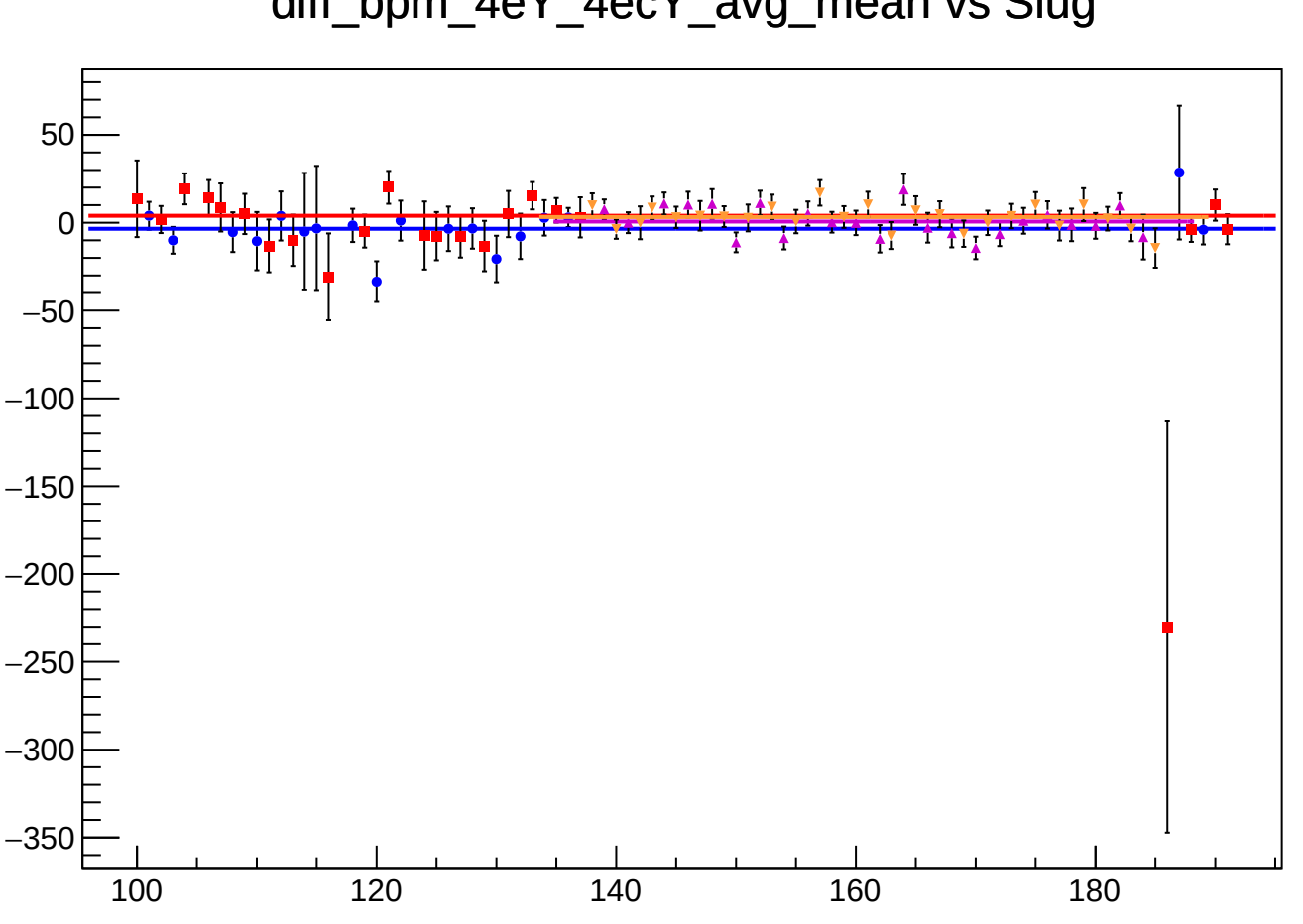
Right Out: 1121.193+/-0.273 χ^2/NDF: 1369303.8/22

Left In: 1163.827+/-0.197 χ^2/NDF:1052206.0/22

+ sign 1149.397+/-0.160 χ^2/NDF: 1713201.0/42

All: 1149.303+/-0.113 χ^2/NDF: 4150773.6/88

- sign 1149.209+/-0.160 χ^2/NDF: 2437571.9/45



Right In: -3.435+/-2.484 χ^2/NDF: 13.3/17

Left Out: 3.234+/-1.430 χ^2/NDF:17.9/24

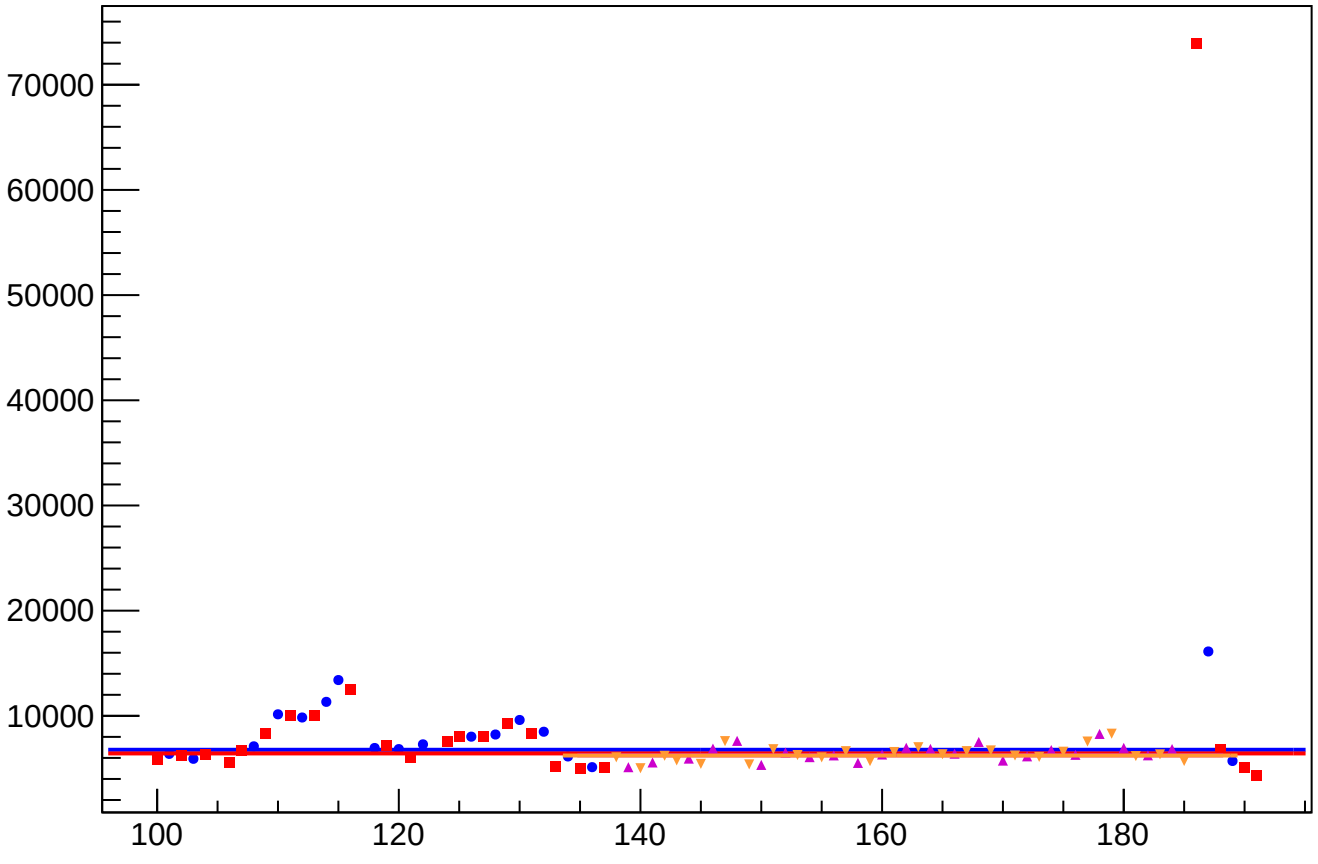
Right Out: 3.960+/-2.210 χ^2/NDF: 24.8/22

Left In: 0.667+/-1.474 χ^2/NDF:32.4/22

+ sign 1.575+/-1.239 χ^2/NDF: 36.6/42

All: 1.628+/-0.871 χ^2/NDF: 95.4/88

- sign 1.681+/-1.226 χ^2/NDF: 58.7/45



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: 6426.907+/-1.562 χ^2/NDF: 1641317.8/22

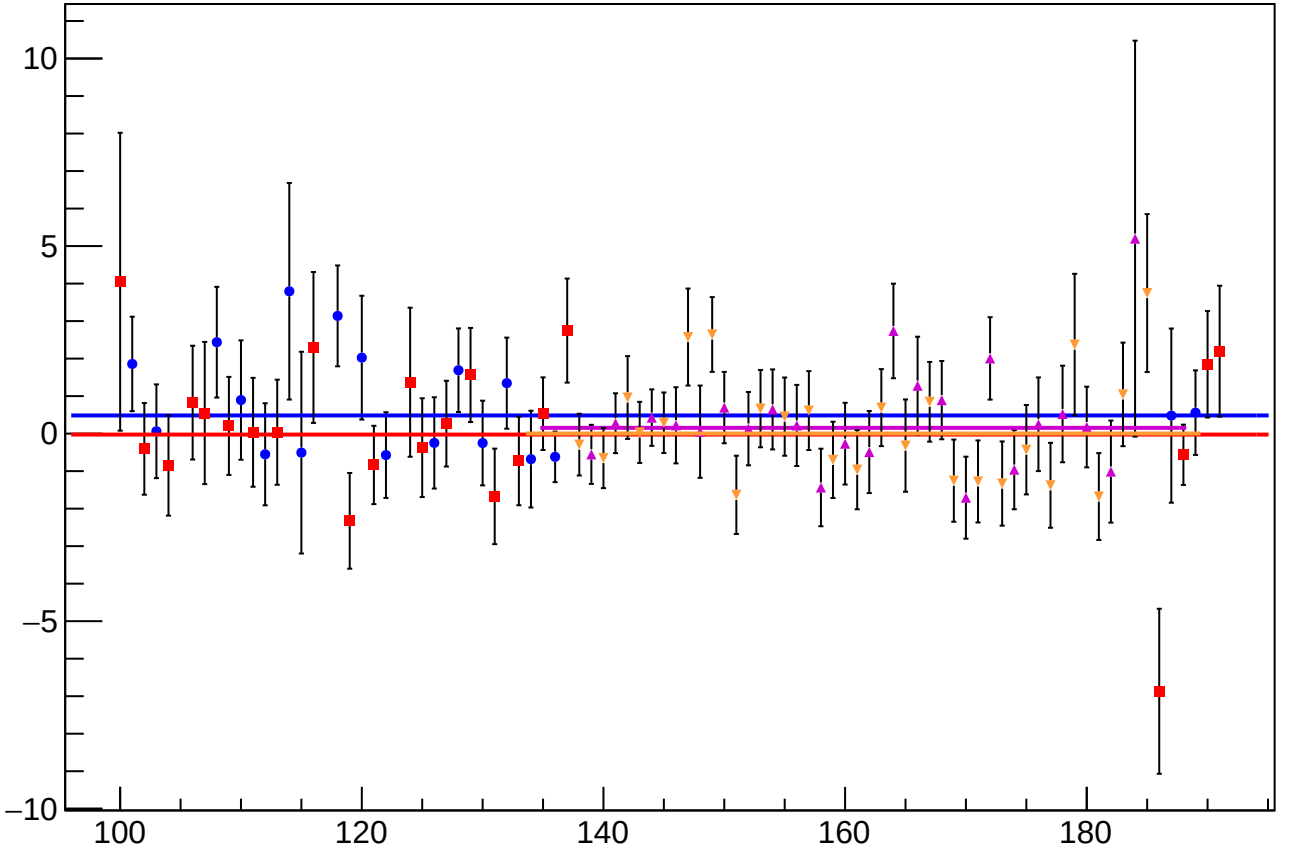
Left In: 6246.800+/-1.042 χ^2/NDF:484982.9/22

+ sign 6364.347+/-0.876 χ^2/NDF: 1390313.6/42

All: 6332.970+/-0.616 χ^2/NDF: 3528349.3/88

- sign 6302.247+/-0.867 χ^2/NDF: 2135497.2/45

diff_bpm_4eY_4ecY_dd_mean vs Slug



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: -0.025+/-0.276 χ^2/NDF: 29.2/22

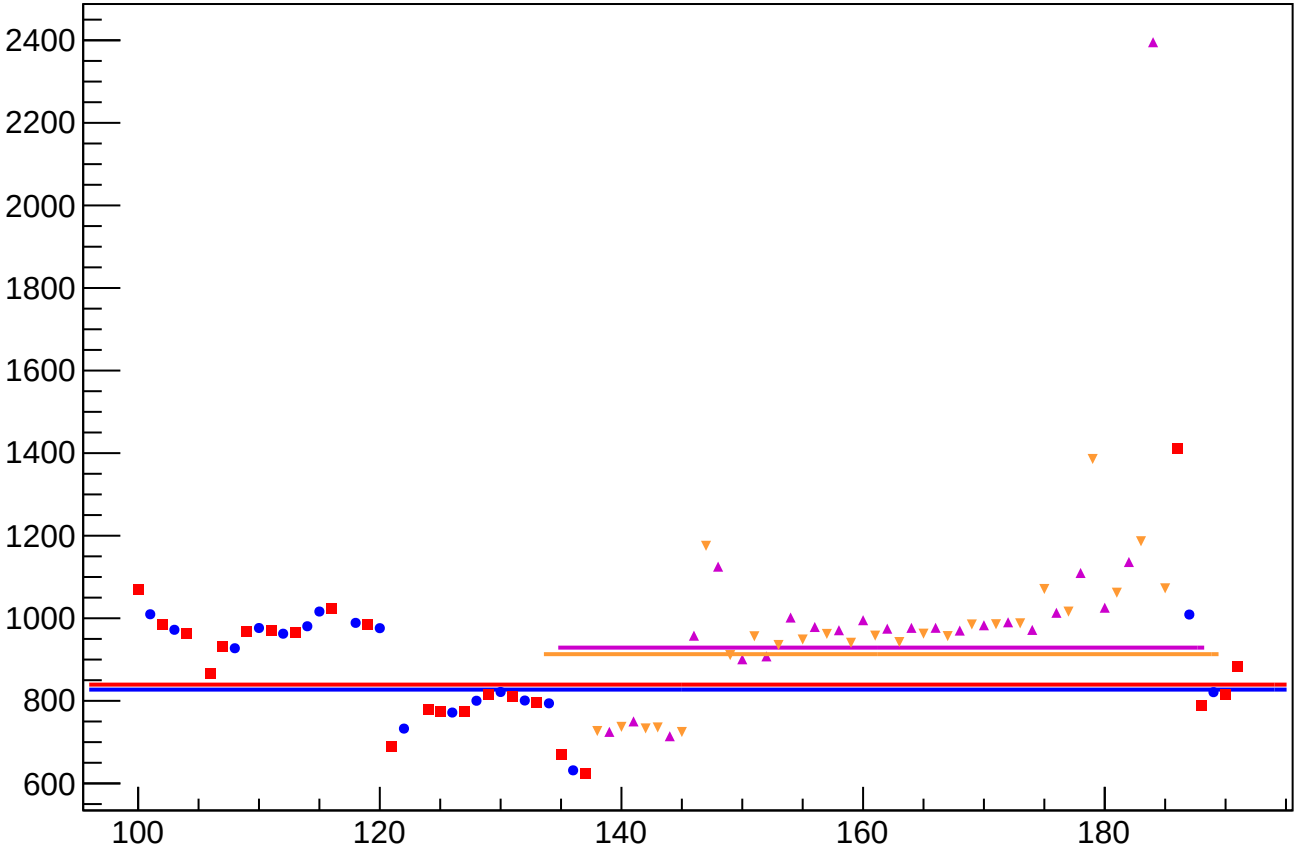
Left In: 0.154+/-0.221 χ^2/NDF:18.4/22

+ sign 0.165+/-0.173 χ^2/NDF: 50.1/42

All: 0.125+/-0.122 χ^2/NDF: 98.1/88

- sign 0.084+/-0.173 χ^2/NDF: 47.9/45

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

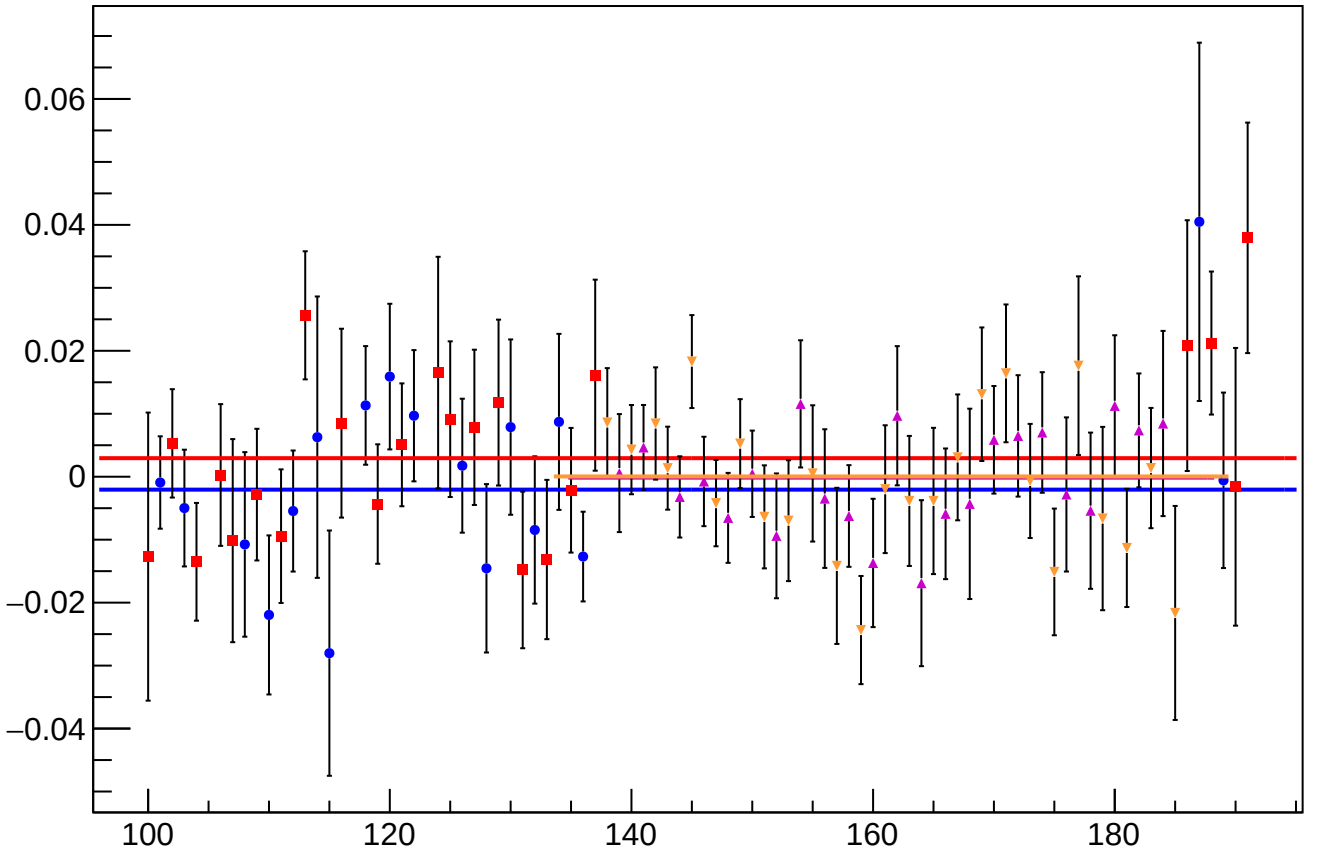
Right Out: 839.331+/-0.195 χ^2/NDF: 465014.8/22

Left In: 928.913+/-0.156 χ^2/NDF:769065.0/22

+ sign 884.125+/-0.122 χ^2/NDF: 1377811.7/42

All: 889.044+/-0.086 χ^2/NDF: 2743251.5/88

- sign 893.968+/-0.122 χ^2/NDF: 1362187.1/45



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: 0.003+/-0.003 χ^2/NDF: 24.9/22

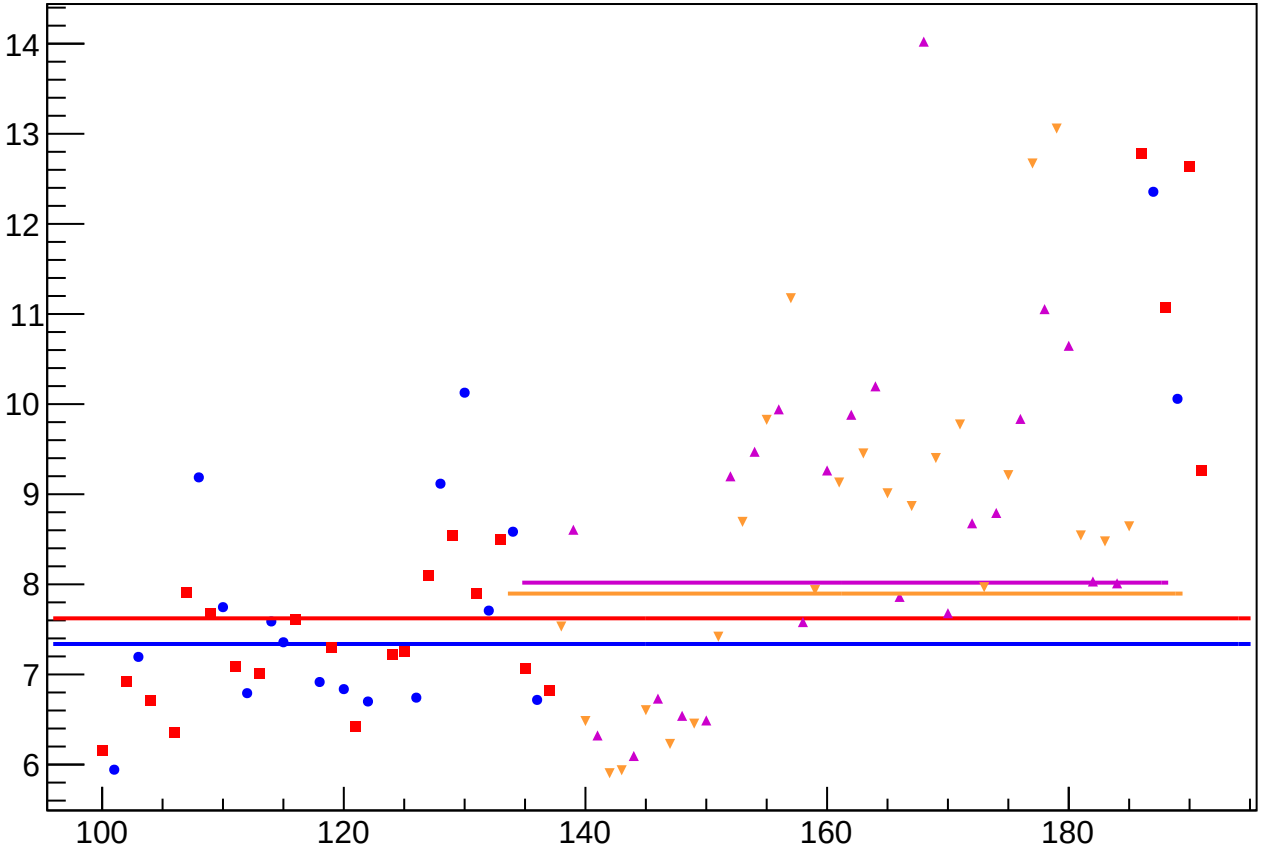
Left In: -0.000+/-0.002 χ^2/NDF:12.8/22

+ sign -0.001+/-0.002 χ^2/NDF: 49.1/42

All: 0.000+/-0.001 χ^2/NDF: 88.4/88

- sign 0.001+/-0.002 χ^2/NDF: 38.7/45

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

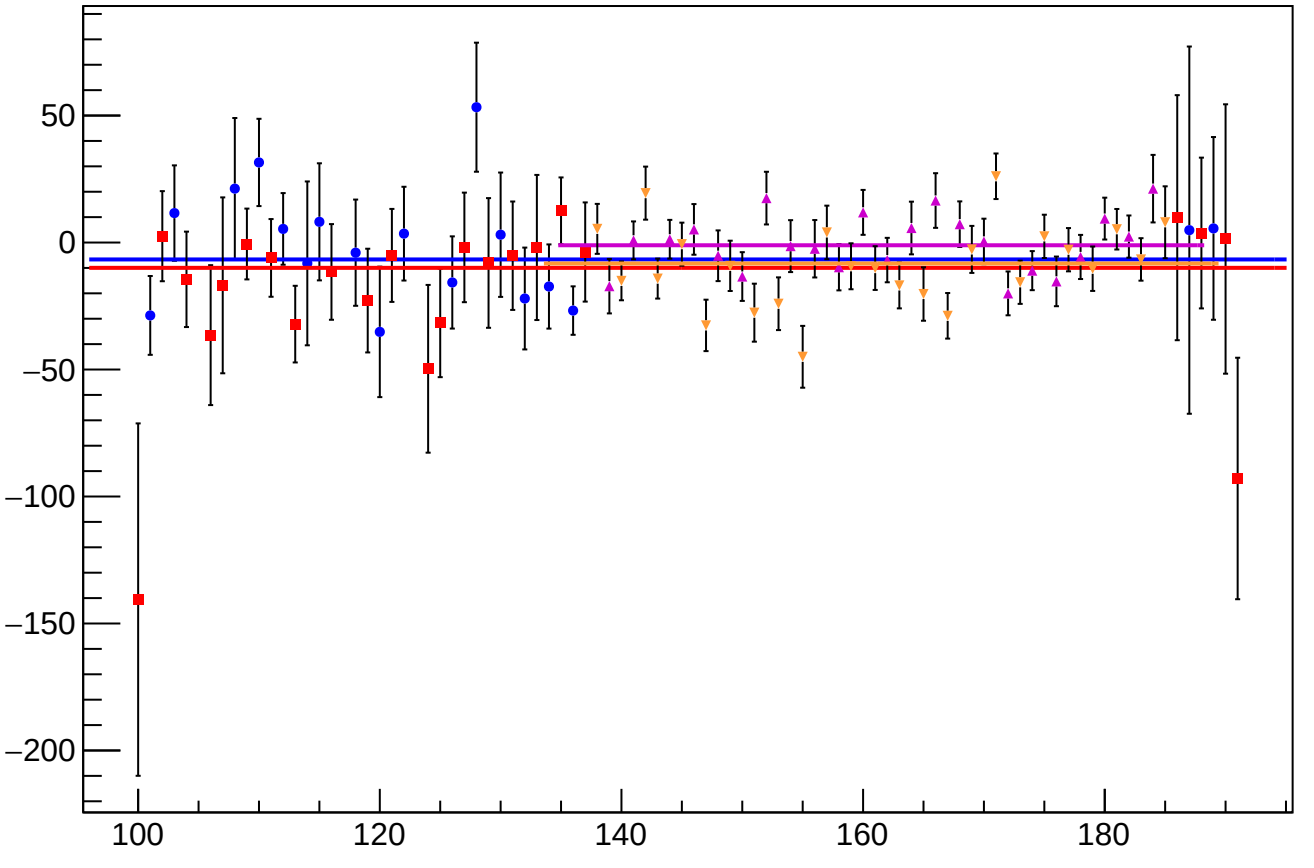
Right Out: 7.623+/-0.002 χ^2/NDF: 586741.9/22

Left In: 8.019+/-0.001 χ^2/NDF:1455714.6/22

+ sign 7.715+/-0.001 χ^2/NDF: 2073048.6/42

All: 7.794+/-0.001 χ^2/NDF: 4157682.6/88

- sign 7.874+/-0.001 χ^2/NDF: 2073655.9/45



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: -9.966+/-4.412 χ^2/NDF: 17.5/22

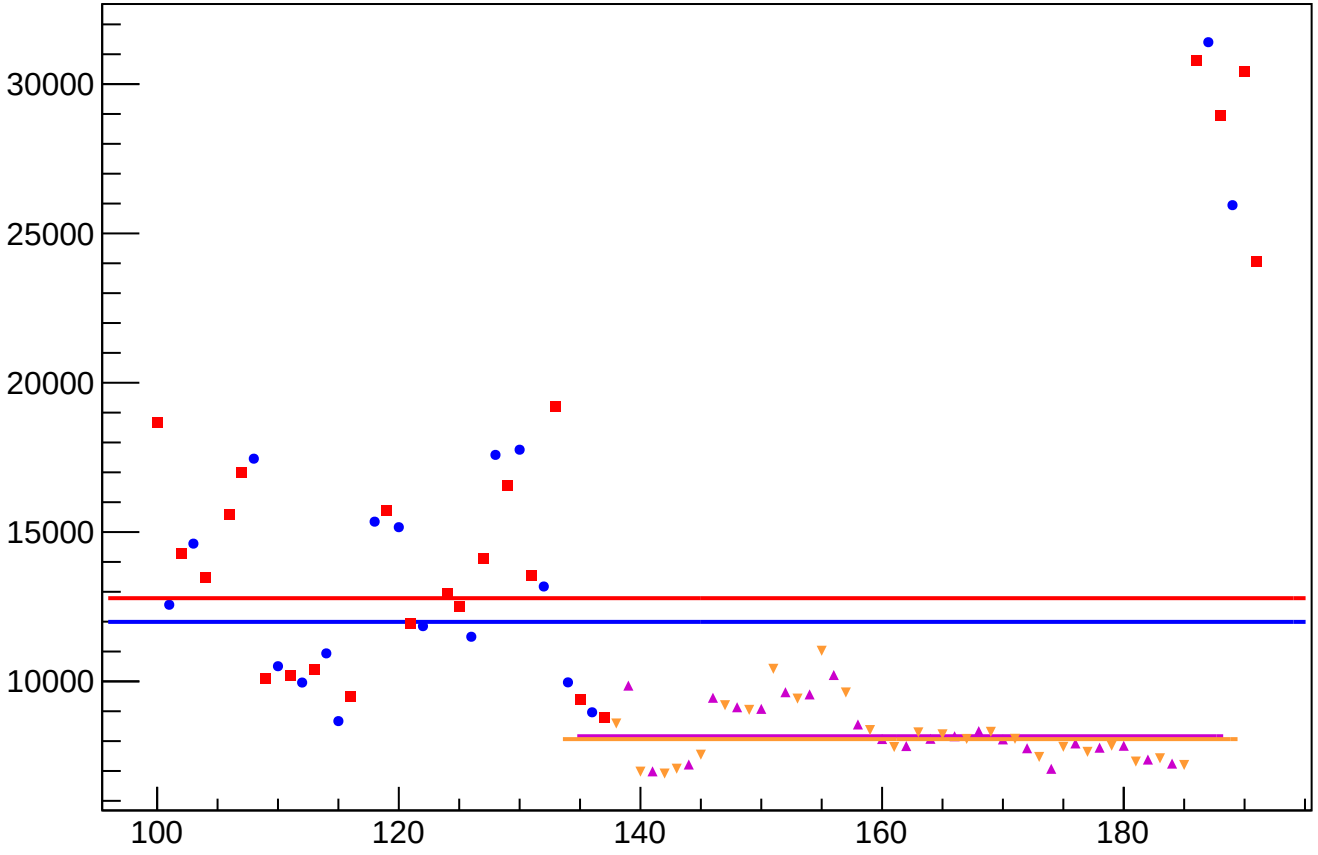
Left In: -1.072+/-1.921 χ^2/NDF:28.8/22

+ sign -8.020+/-1.708 χ^2/NDF: 85.4/42

All: -5.340+/-1.226 χ^2/NDF: 140.2/88

- sign -2.489+/-1.761 χ^2/NDF: 49.7/45

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

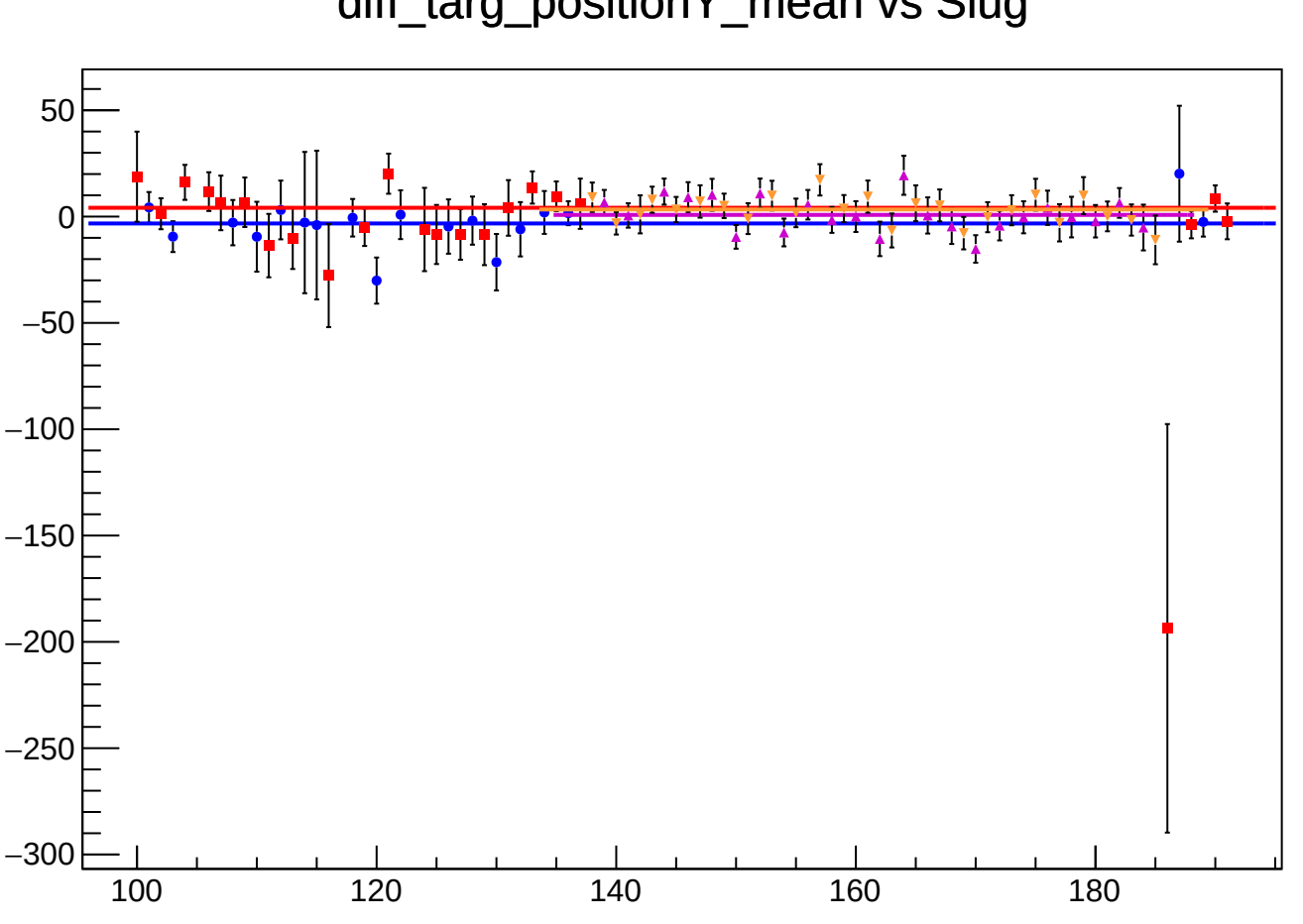
Right Out: 12786.240+/-3.120 χ^2/NDF: 1947119.5/22

Left In: 8163.472+/-1.358 χ^2/NDF:432350.3/22

+ sign 8645.964+/-1.207 χ^2/NDF: 3021610.8/42

All: 8769.053+/-0.867 χ^2/NDF: 7268147.4/88

- sign 8899.996+/-1.245 χ^2/NDF: 4225088.2/45



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: 4.140+/-2.079 χ^2/NDF: 23.6/22

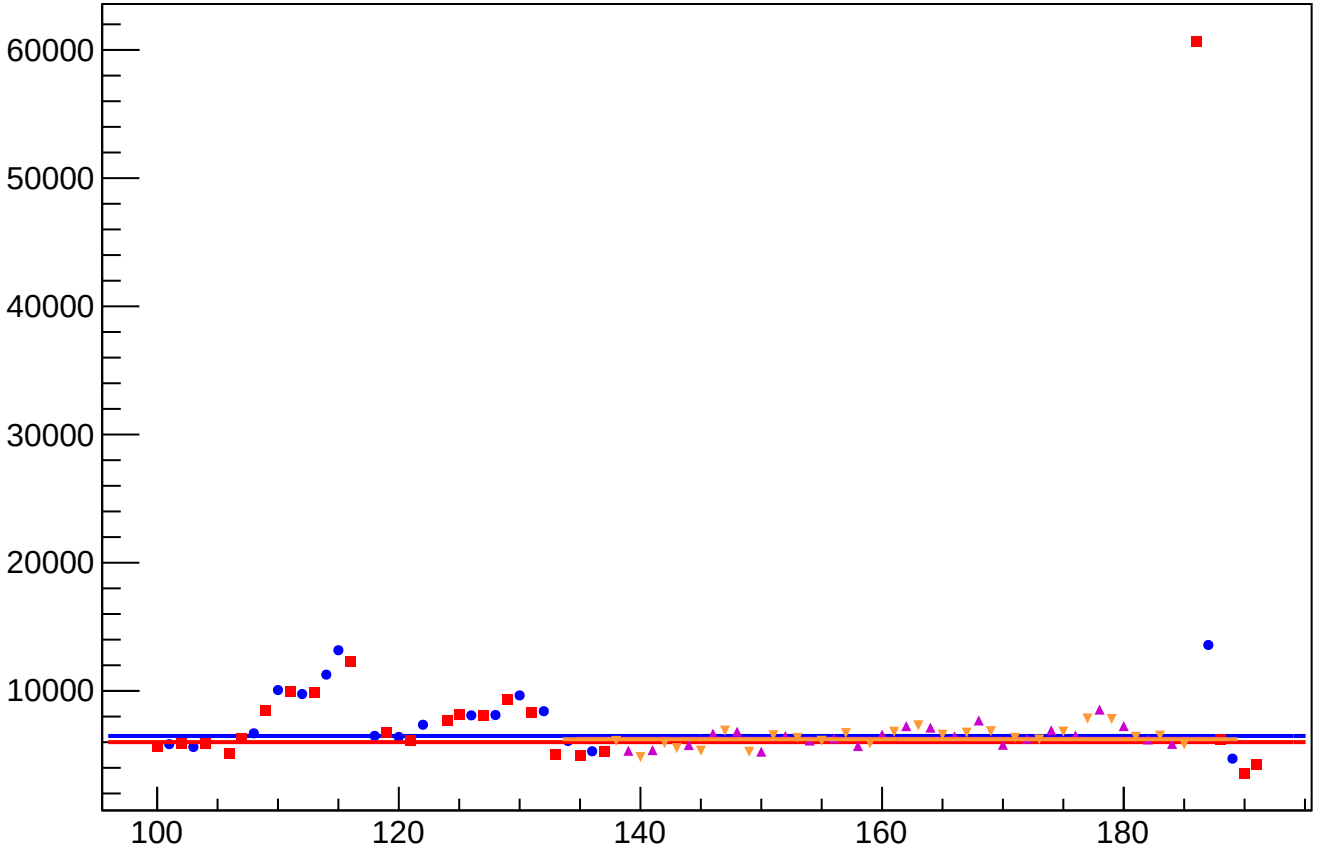
Left In: 0.797+/-1.479 χ^2/NDF:29.4/22

+ sign 1.592+/-1.227 χ^2/NDF: 34.6/42

All: 1.759+/-0.860 χ^2/NDF: 89.3/88

- sign 1.920+/-1.205 χ^2/NDF: 54.8/45

diff_targ_positionY_rms vs Slug



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: 6005.187+/-1.470 χ^2/NDF: 1966020.9/22

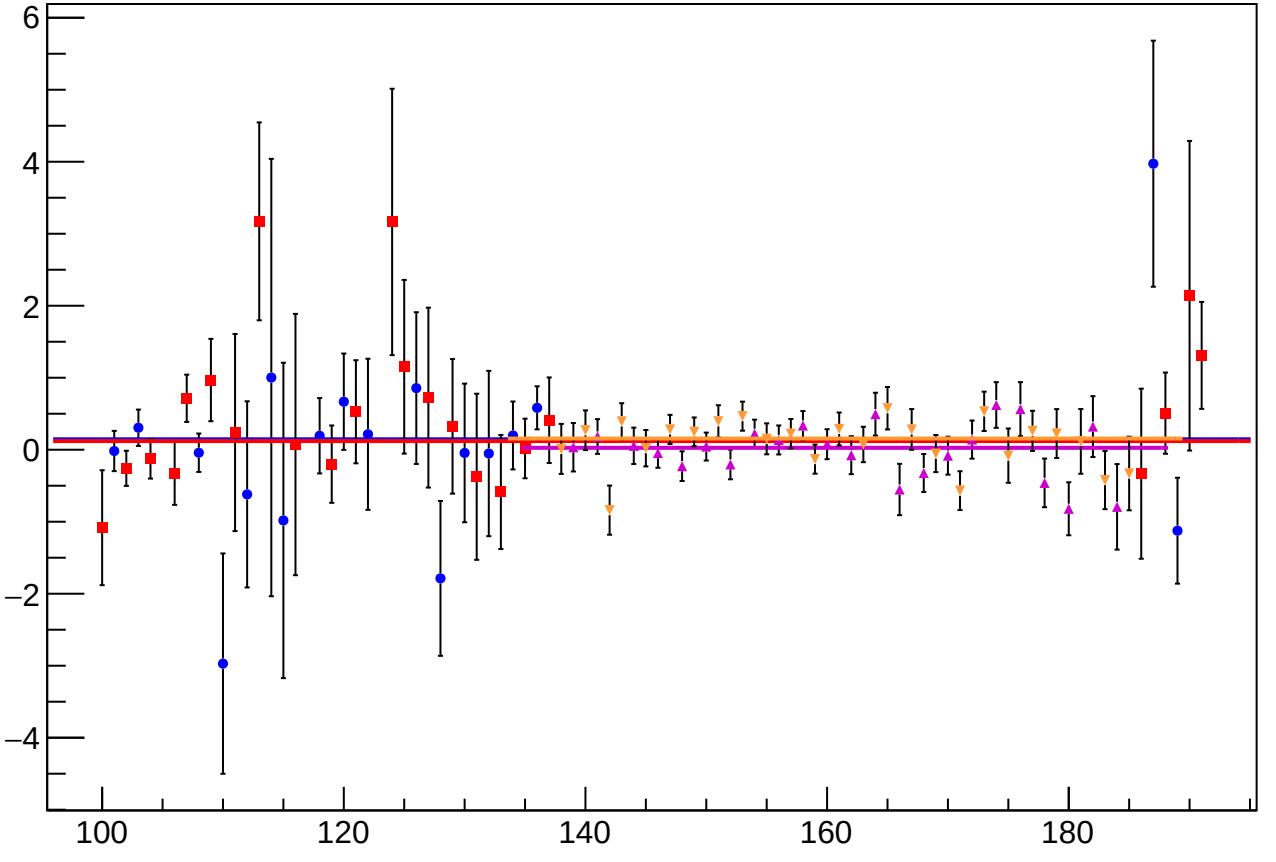
Left In: 6270.834+/-1.046 χ^2/NDF:504723.6/22

+ sign 6298.548+/-0.867 χ^2/NDF: 1483744.1/42

All: 6239.026+/-0.608 χ^2/NDF: 3985423.6/88

- sign 6181.600+/-0.852 χ^2/NDF: 2492428.5/45

diff_targ_thetaX_mean vs Slug



Right In: 0.145+/-0.118 χ^2/NDF: 20.6/17

Left Out: 0.156+/-0.052 χ^2/NDF:32.3/24

Right Out: 0.120+/-0.115 χ^2/NDF: 26.7/22

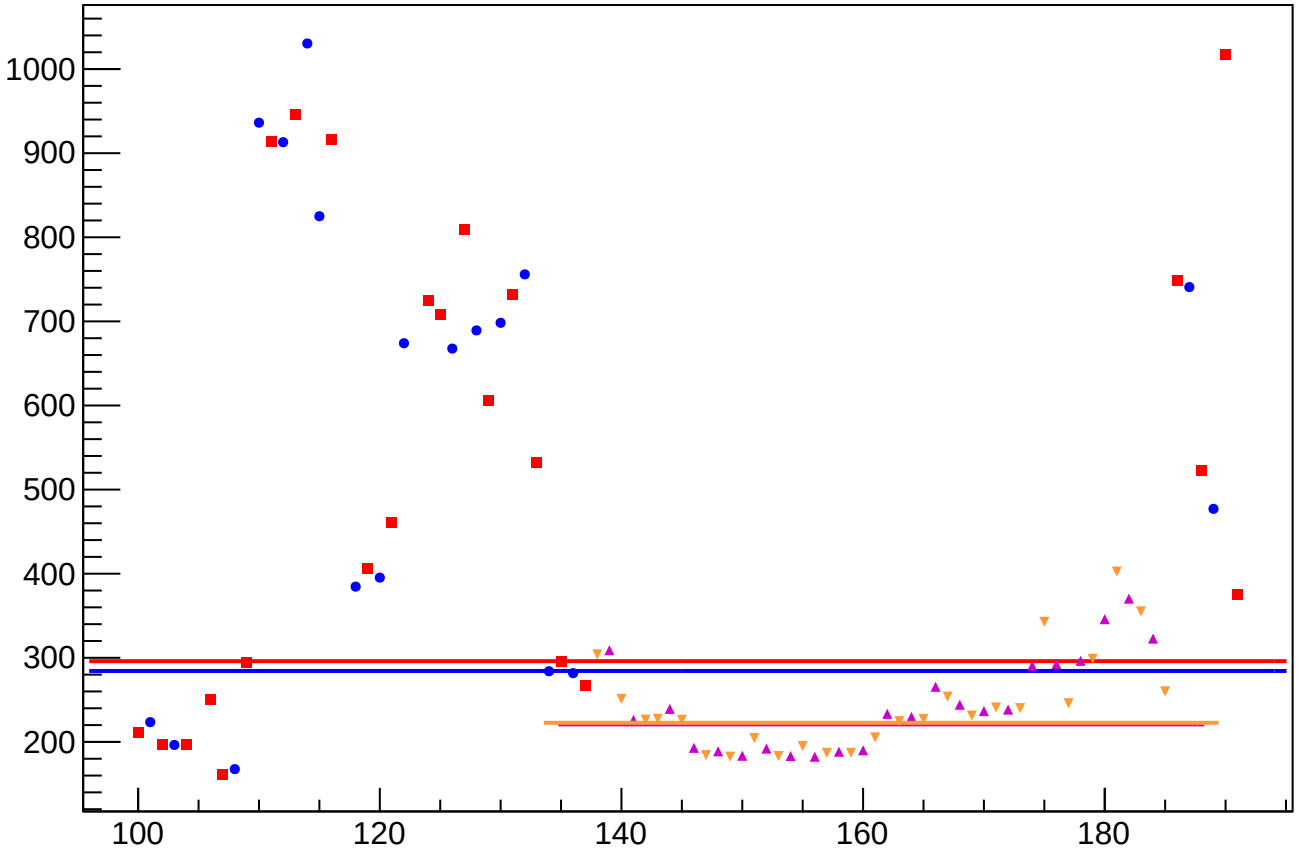
Left In: 0.026+/-0.053 χ^2/NDF:29.8/22

+ sign 0.154+/-0.047 χ^2/NDF: 52.9/42

All: 0.099+/-0.034 χ^2/NDF: 112.6/88

- sign 0.043+/-0.048 χ^2/NDF: 57.0/45

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: 296.008+/-0.081 χ^2/NDF: 4486494.9/22

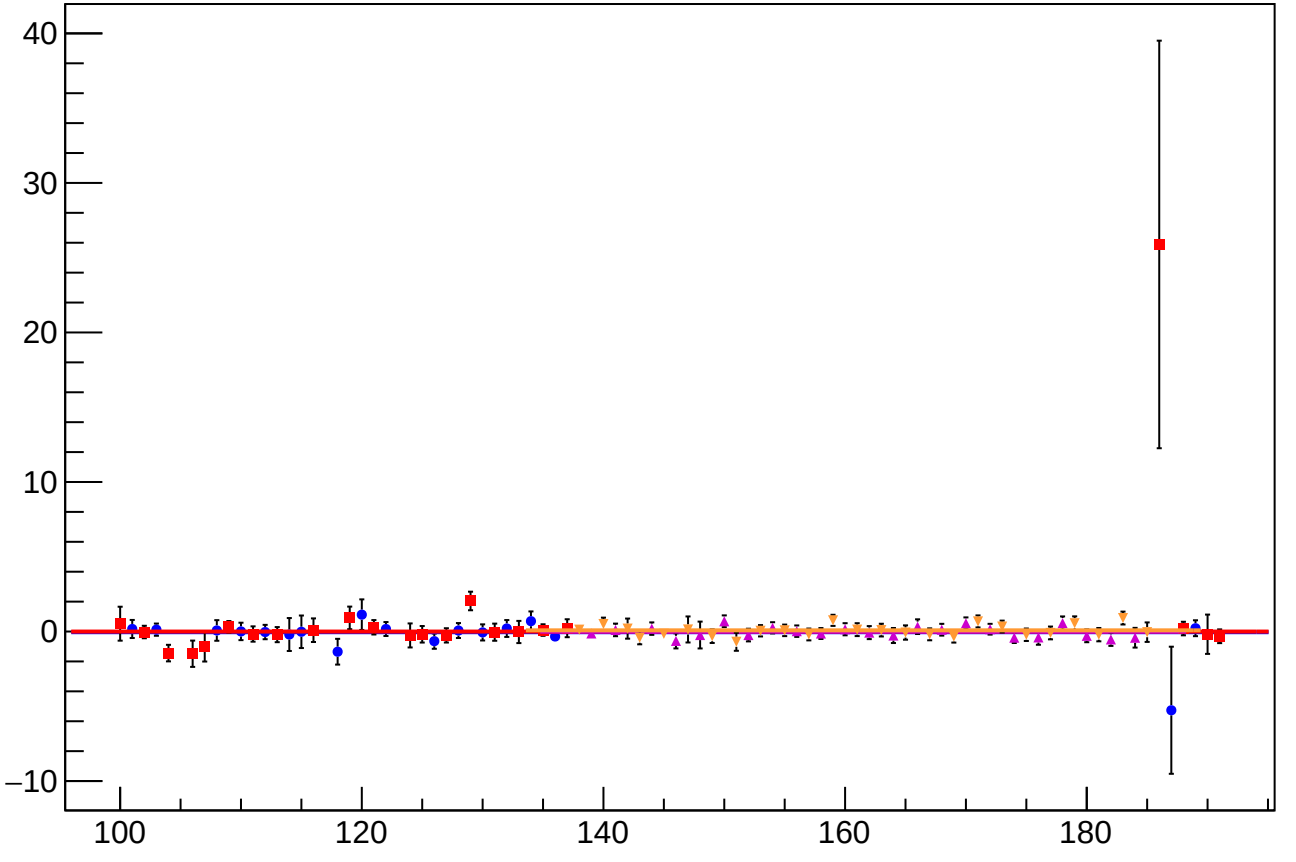
Left In: 220.802+/-0.037 χ^2/NDF:1471497.9/22

+ sign 232.755+/-0.034 χ^2/NDF: 5648186.6/42

All: 233.357+/-0.024 χ^2/NDF: 12312983.2/88

- sign 233.974+/-0.034 χ^2/NDF: 6664145.7/45

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: -0.002+/-0.119 χ^2/NDF: 29.5/22

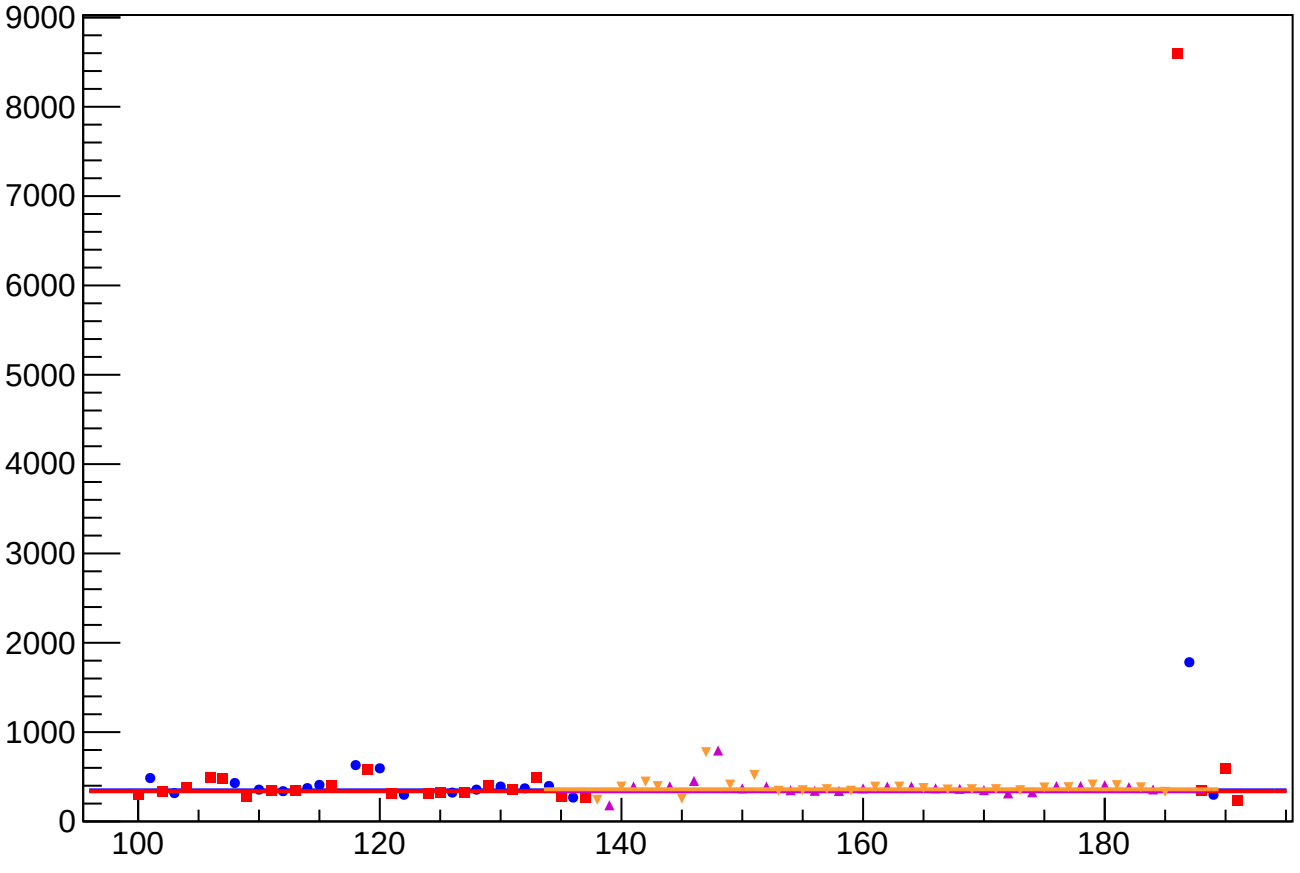
Left In: -0.009+/-0.083 χ^2/NDF:15.2/22

+ sign 0.042+/-0.071 χ^2/NDF: 29.5/42

All: 0.017+/-0.049 χ^2/NDF: 74.4/88

- sign -0.006+/-0.068 χ^2/NDF: 44.7/45

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

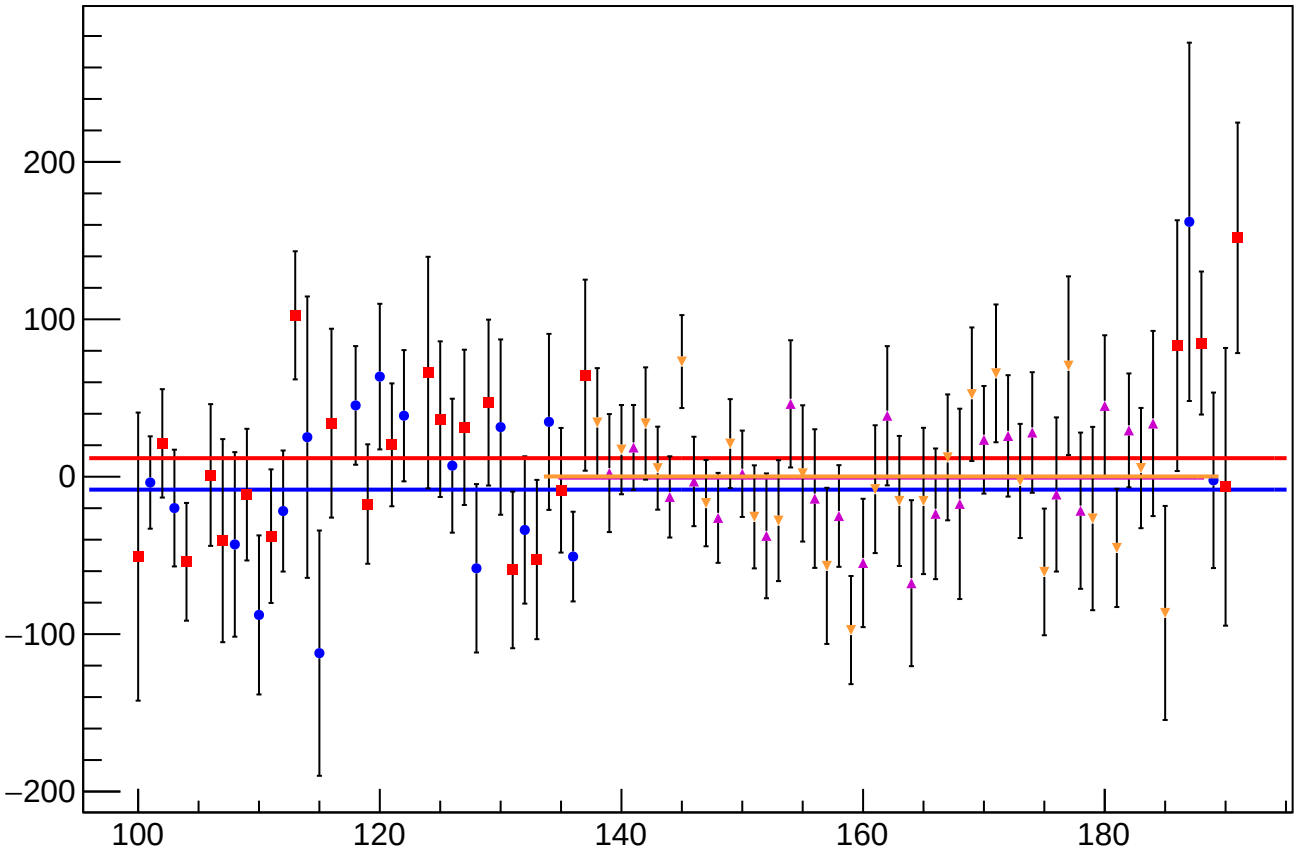
Right Out: 338.280+/-0.084 χ^2/NDF: 1497340.0/22

Left In: 340.020+/-0.059 χ^2/NDF:2225094.5/22

+ sign 356.412+/-0.050 χ^2/NDF: 2296613.3/42

All: 347.607+/-0.035 χ^2/NDF: 6079107.7/88

- sign 339.454+/-0.048 χ^2/NDF: 3722721.7/45



Right In: -8.203+/-10.591 χ^2/NDF: 17.6/17

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

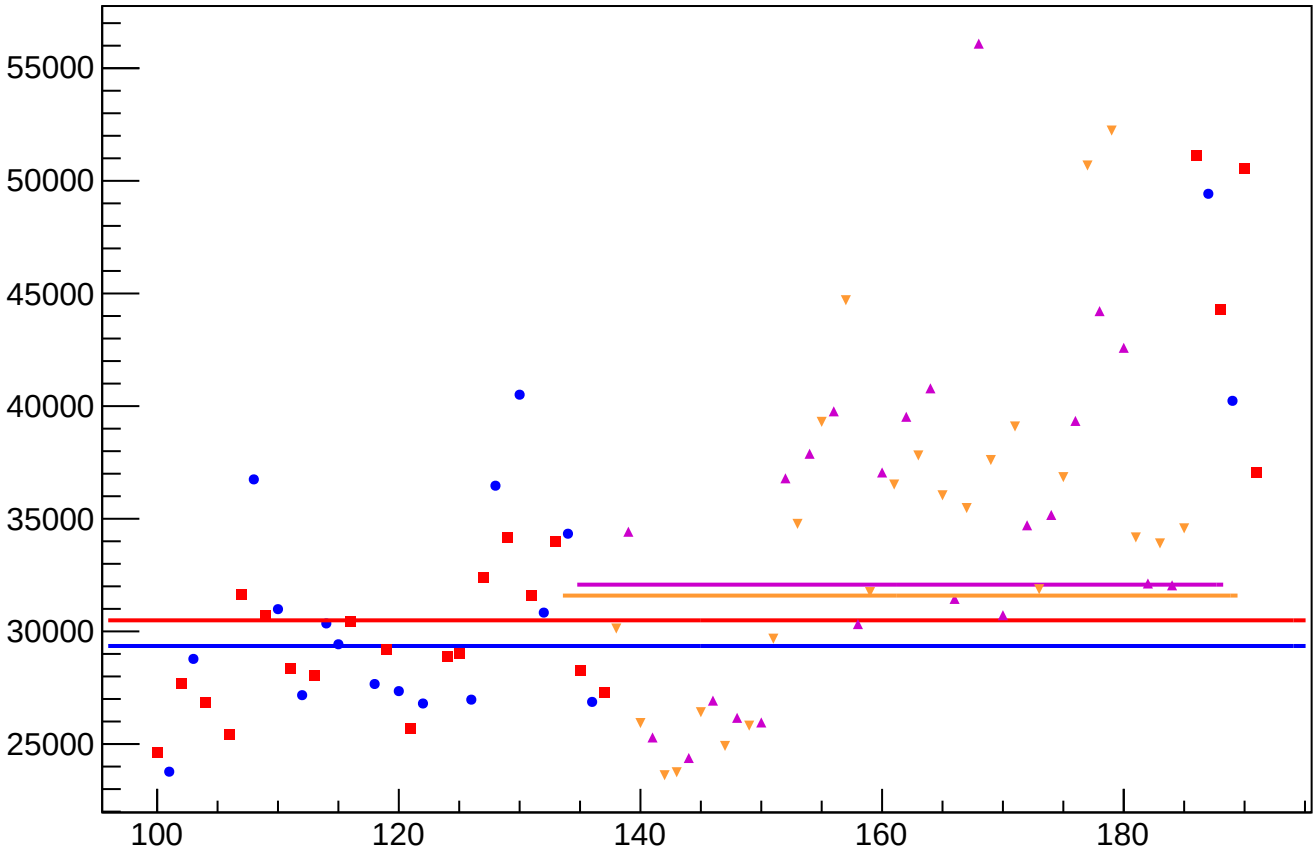
Right Out: 11.786+/-10.103 χ^2/NDF: 24.9/22

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

+ sign -2.566+/-6.052 χ^2/NDF: 49.1/42

All: 0.655+/-4.299 χ^2/NDF: 88.4/88

- sign 3.935+/-6.108 χ^2/NDF: 38.7/45



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: 30490.984+/-7.144 χ^2/NDF: 586741.9/22

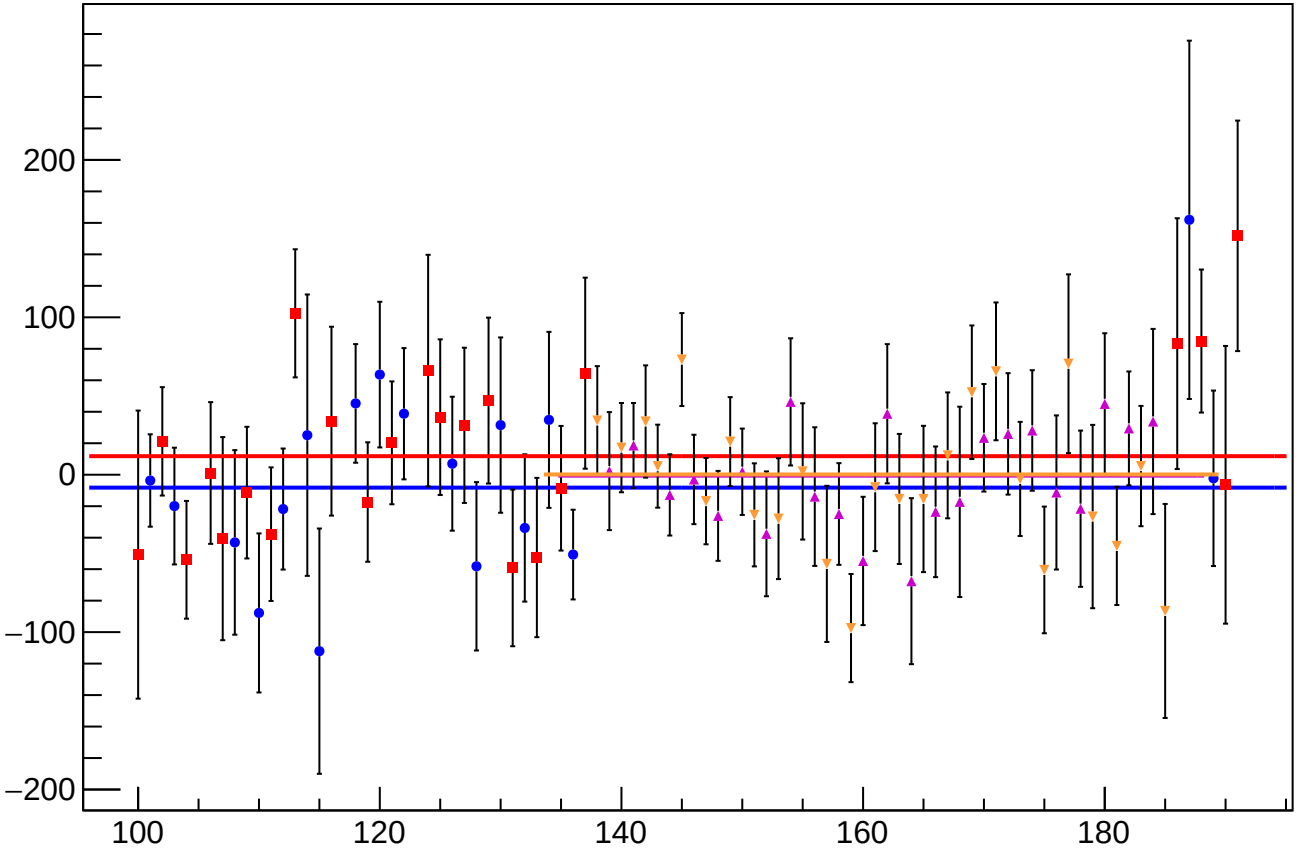
Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

+ sign 30859.182+/-4.279 χ^2/NDF: 2073048.6/42

All: 31174.794+/-3.040 χ^2/NDF: 4157682.6/8

- sign 31496.211+/-4.319 χ^2/NDF: 2073655.9/45

diff_bpmEX_mean vs Slug



Right In: -8.203+/-10.591 χ^2/NDF: 17.6/17

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

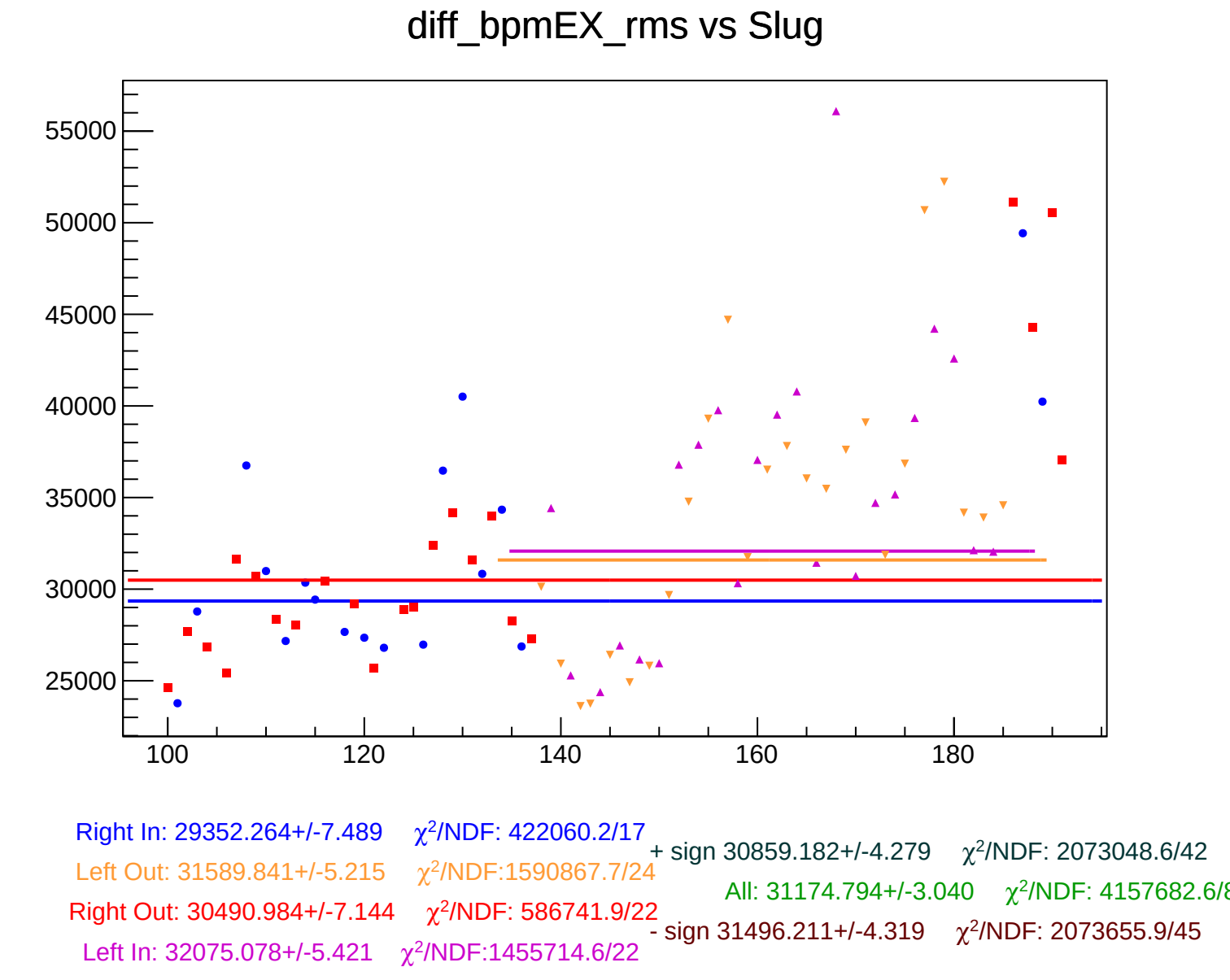
Right Out: 11.786+/-10.103 χ^2/NDF: 24.9/22

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

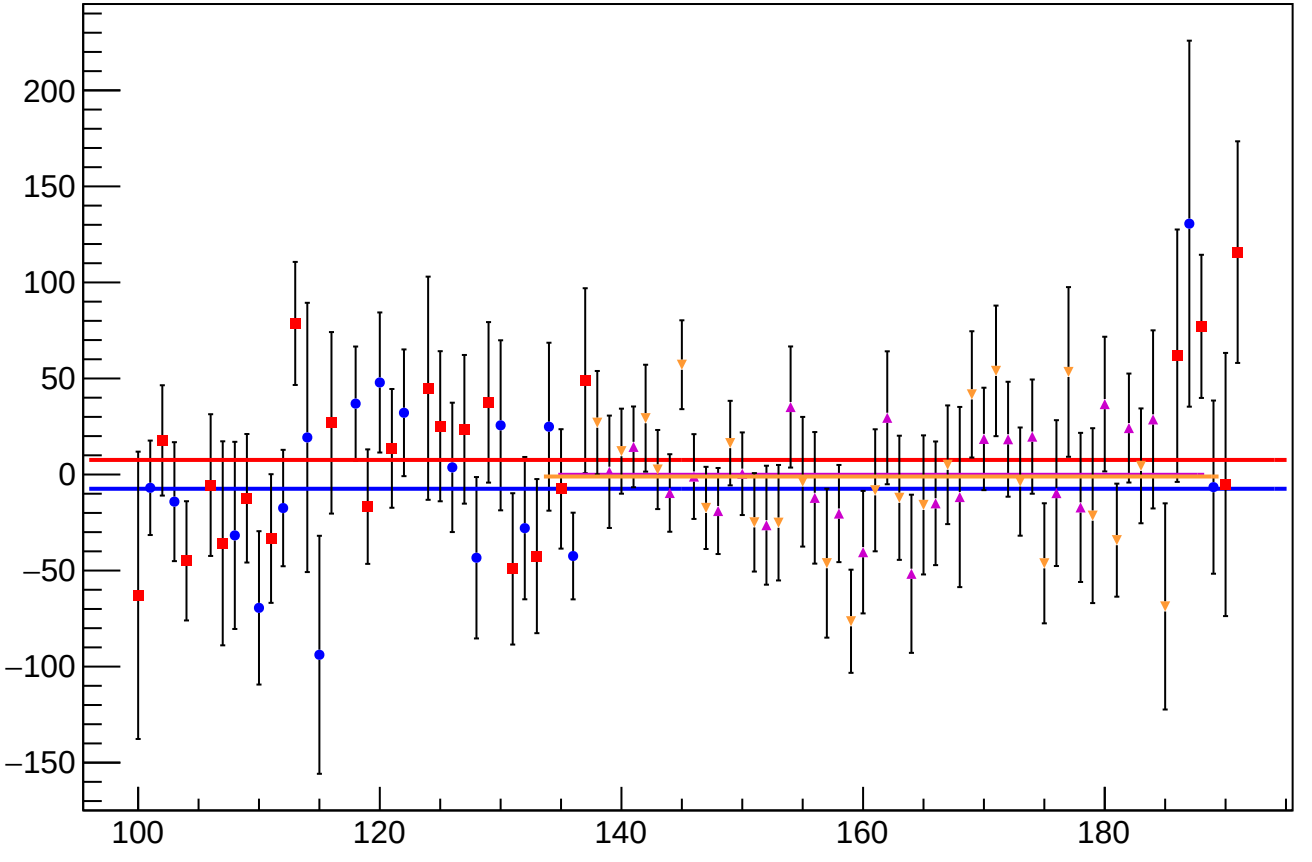
+ sign -2.566+/-6.052 χ^2/NDF: 49.1/42

All: 0.655+/-4.299 χ^2/NDF: 88.4/88

- sign 3.935+/-6.108 χ^2/NDF: 38.7/45


diff_bpmEX_rms vs Slug
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
Right In: 29352.264+/-7.489 χ²/NDF: 422060.2/17
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 30490.984+/-7.144 χ²/NDF: 586741.9/22
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
+ sign 30859.182+/-4.279 χ²/NDF: 2073048.6/42
All: 31174.794+/-3.040 χ²/NDF: 4157682.6/8
- sign 31496.211+/-4.319 χ²/NDF: 2073655.9/45

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: 7.591+/-8.088 χ^2/NDF: 25.9/22

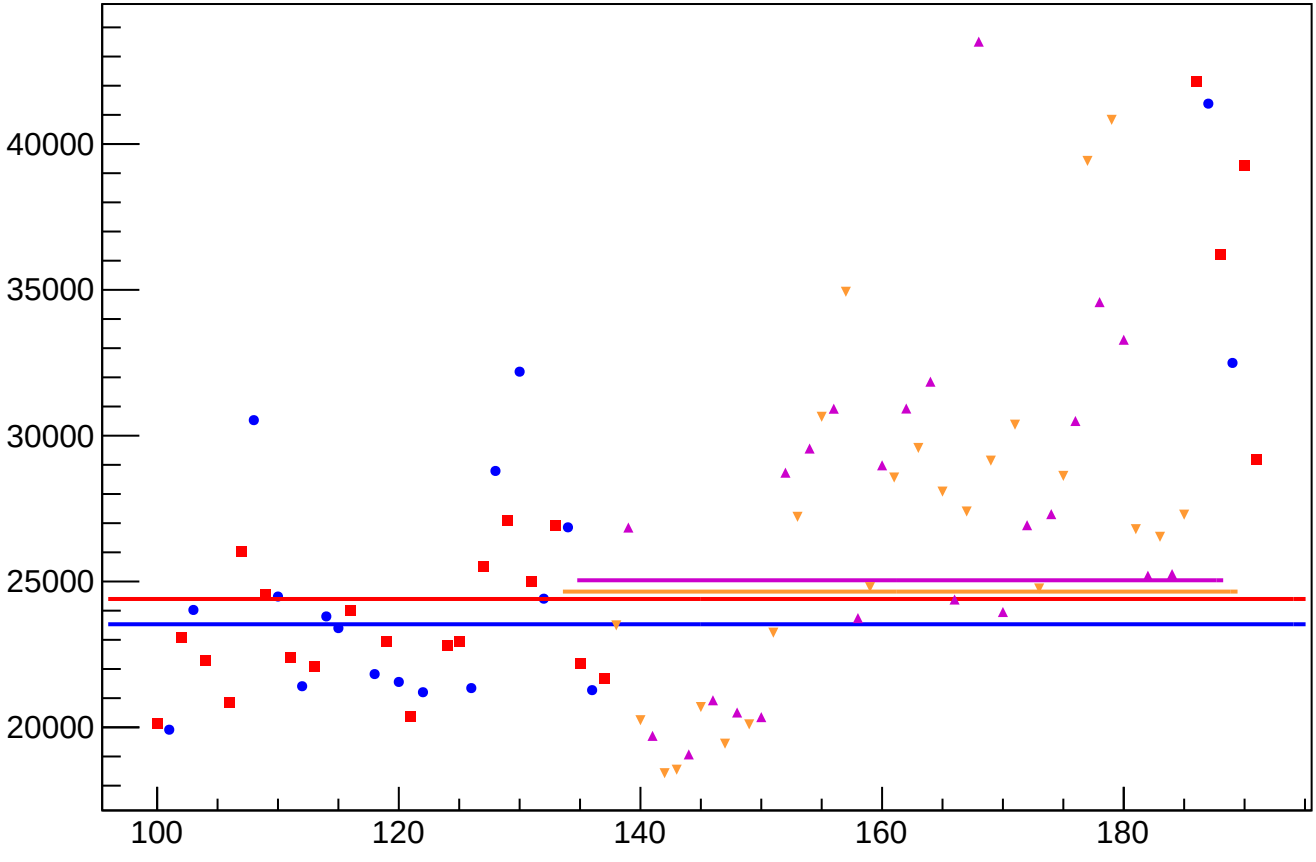
Left In: -0.147+/-5.985 χ^2/NDF:12.1/22

+ sign -3.051+/-4.763 χ^2/NDF: 50.4/42

All: -0.258+/-3.385 χ^2/NDF: 89.7/88

- sign 2.591+/-4.811 χ^2/NDF: 38.6/45

diff_bpmE_11X12X_rms vs Slug



Right In: 23534.068+/-6.002 χ^2/NDF: 416784.6/17

Left Out: 24654.001+/-4.069 χ^2/NDF:1582710.2/24

Right Out: 24400.673+/-5.719 χ^2/NDF: 591214.7/22

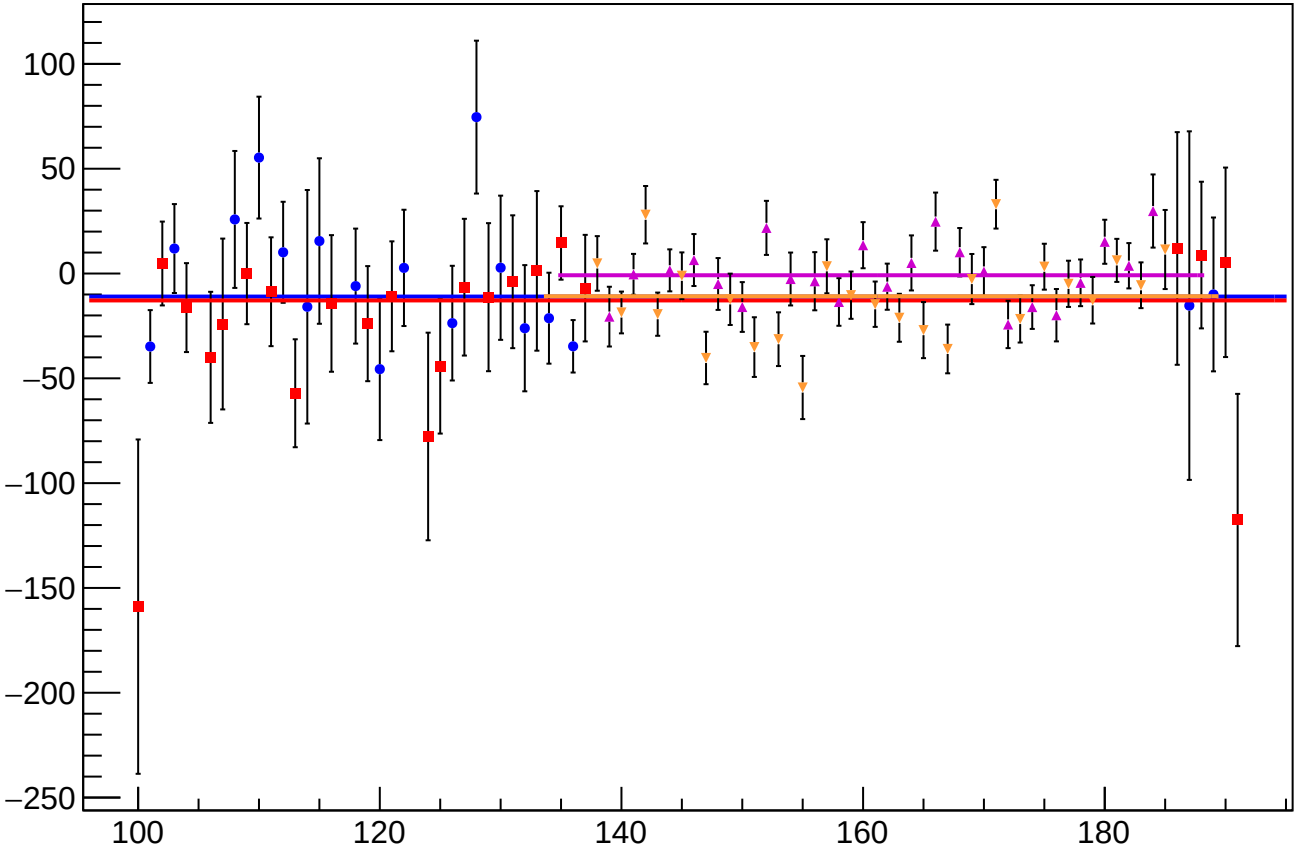
Left In: 25041.993+/-4.232 χ^2/NDF:1441641.5/22

+ sign 24301.344+/-3.368 χ^2/NDF: 2023348.4/42

All: 24555.654+/-2.393 χ^2/NDF: 4075848.0/8

- sign 24815.088+/-3.402 χ^2/NDF: 2040982.0/45

diff_bpm4aesumX_mean vs Slug



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: -12.838+/-6.148 χ^2/NDF: 17.6/22

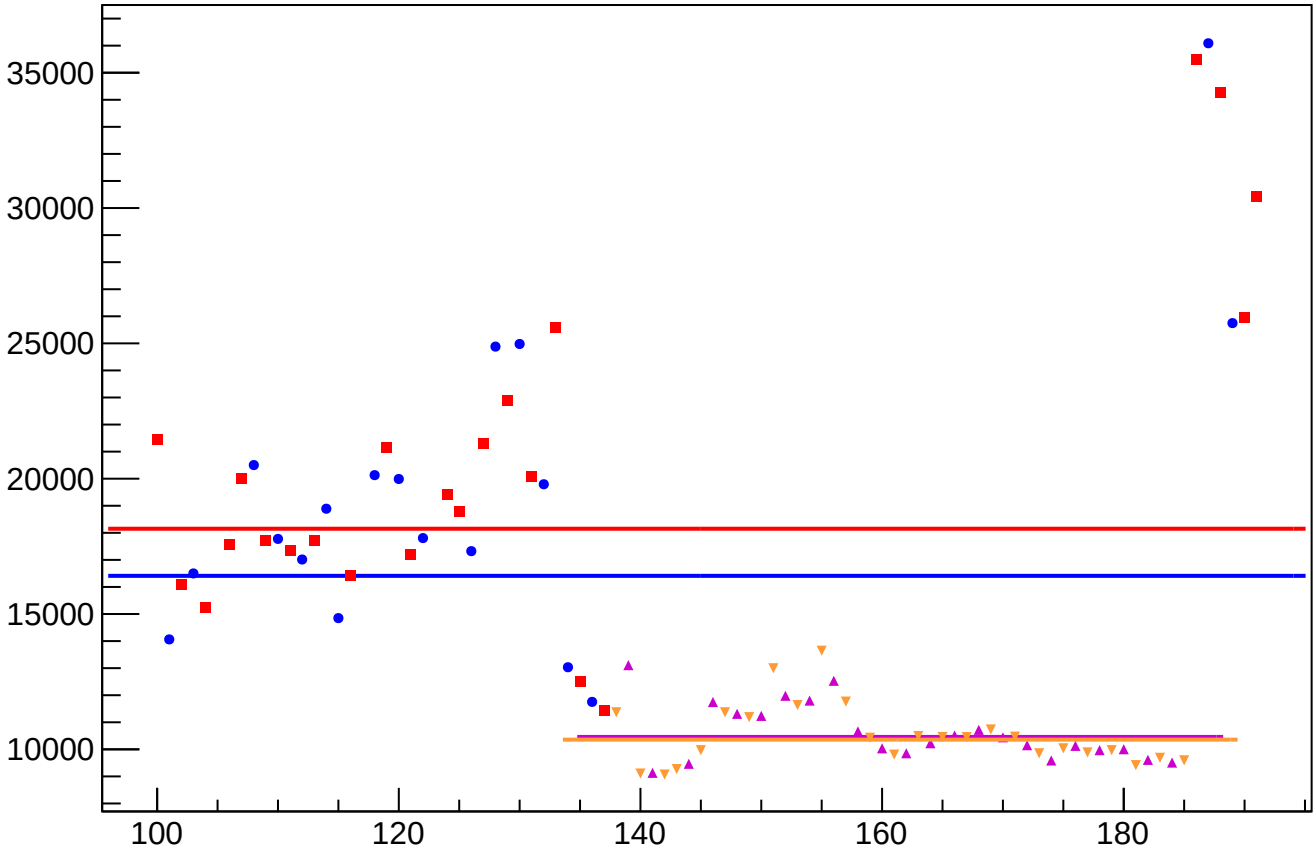
Left In: -0.826+/-2.457 χ^2/NDF:29.4/22

+ sign -10.845+/-2.207 χ^2/NDF: 83.3/42

All: -6.802+/-1.586 χ^2/NDF: 140.6/88

- sign -2.481+/-2.282 χ^2/NDF: 50.3/45

diff_bpm4aesumX_rms vs Slug



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: 18151.482+/-4.347 χ^2/NDF: 1352262.0/22

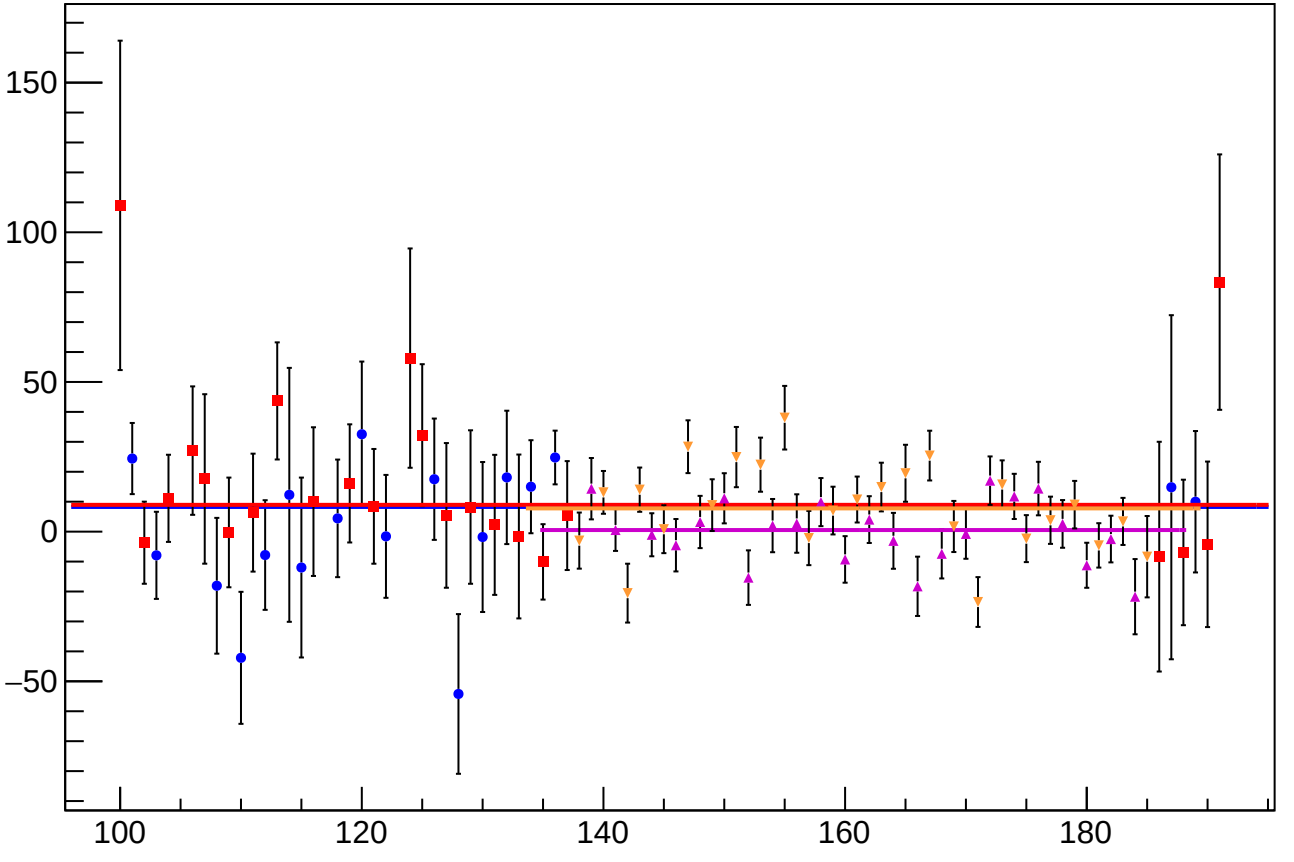
Left In: 10459.060+/-1.737 χ^2/NDF:314636.9/22

+ sign 11162.835+/-1.561 χ^2/NDF: 3067665.1/42

All: 11334.827+/-1.122 χ^2/NDF: 7459844.4/8

- sign 11518.601+/-1.613 χ^2/NDF: 4367059.4/45

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: 8.950+/-4.413 χ^2/NDF: 17.8/22

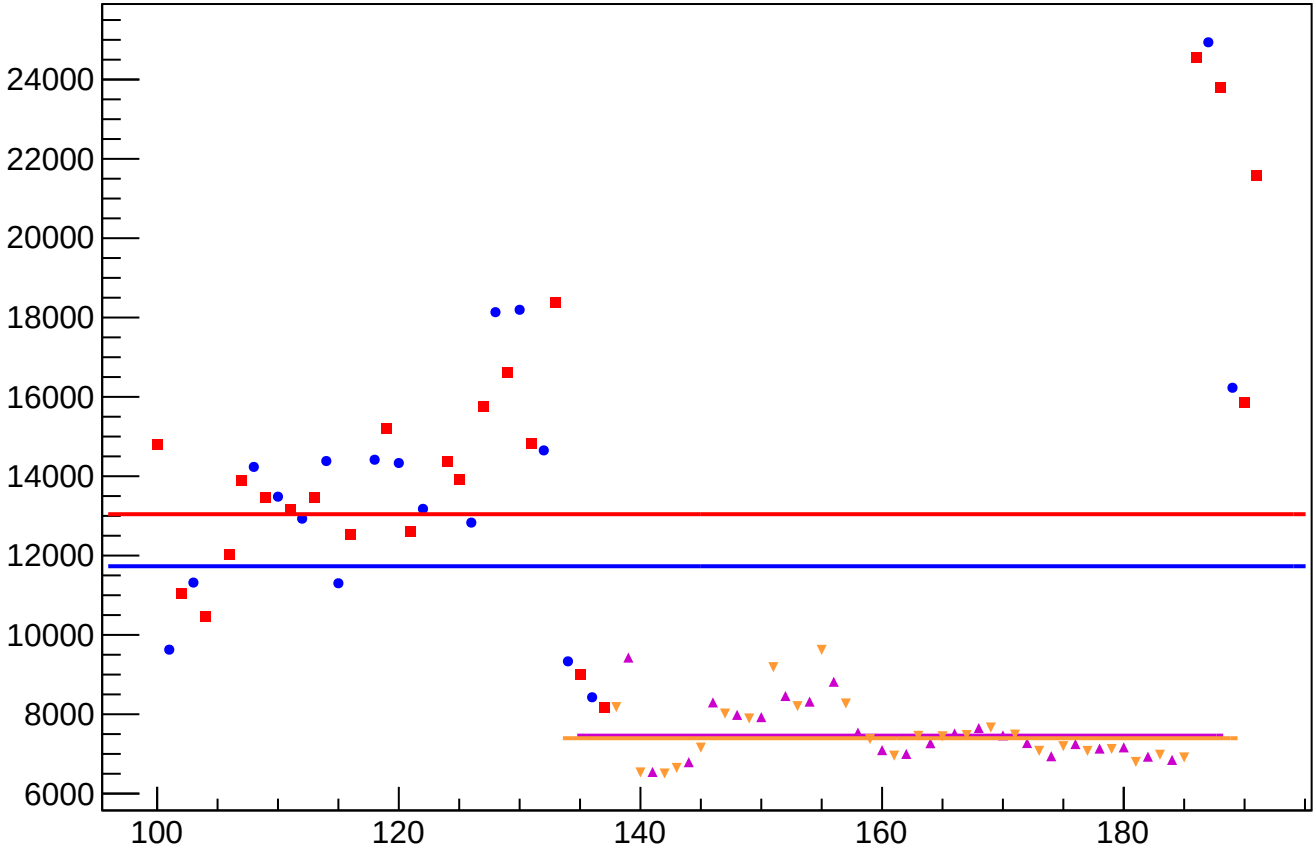
Left In: 0.532+/-1.752 χ^2/NDF:29.4/22

+ sign 7.828+/-1.576 χ^2/NDF: 82.8/42

All: 4.854+/-1.132 χ^2/NDF: 140.5/88

- sign 1.678+/-1.628 χ^2/NDF: 50.4/45

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

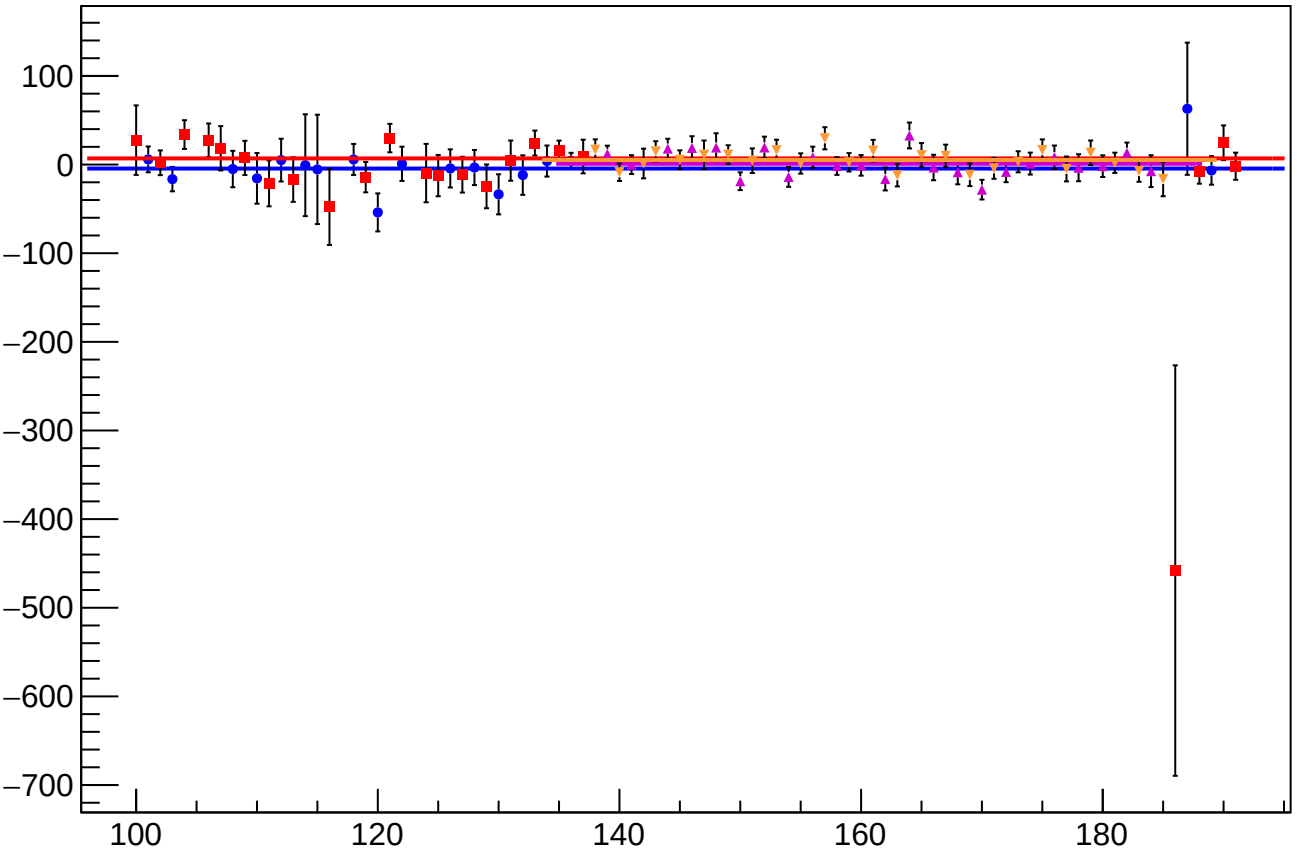
Right Out: 13042.812+/-3.121 χ^2/NDF: 1322005.1/22

Left In: 7460.824+/-1.239 χ^2/NDF:284034.9/22

+ sign 7968.508+/-1.114 χ^2/NDF: 3034317.2/42

All: 8090.472+/-0.801 χ^2/NDF: 7429029.6/88

- sign 8220.714+/-1.151 χ^2/NDF: 4369935.9/45



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: 6.953+/-3.947 χ^2/NDF: 23.7/22

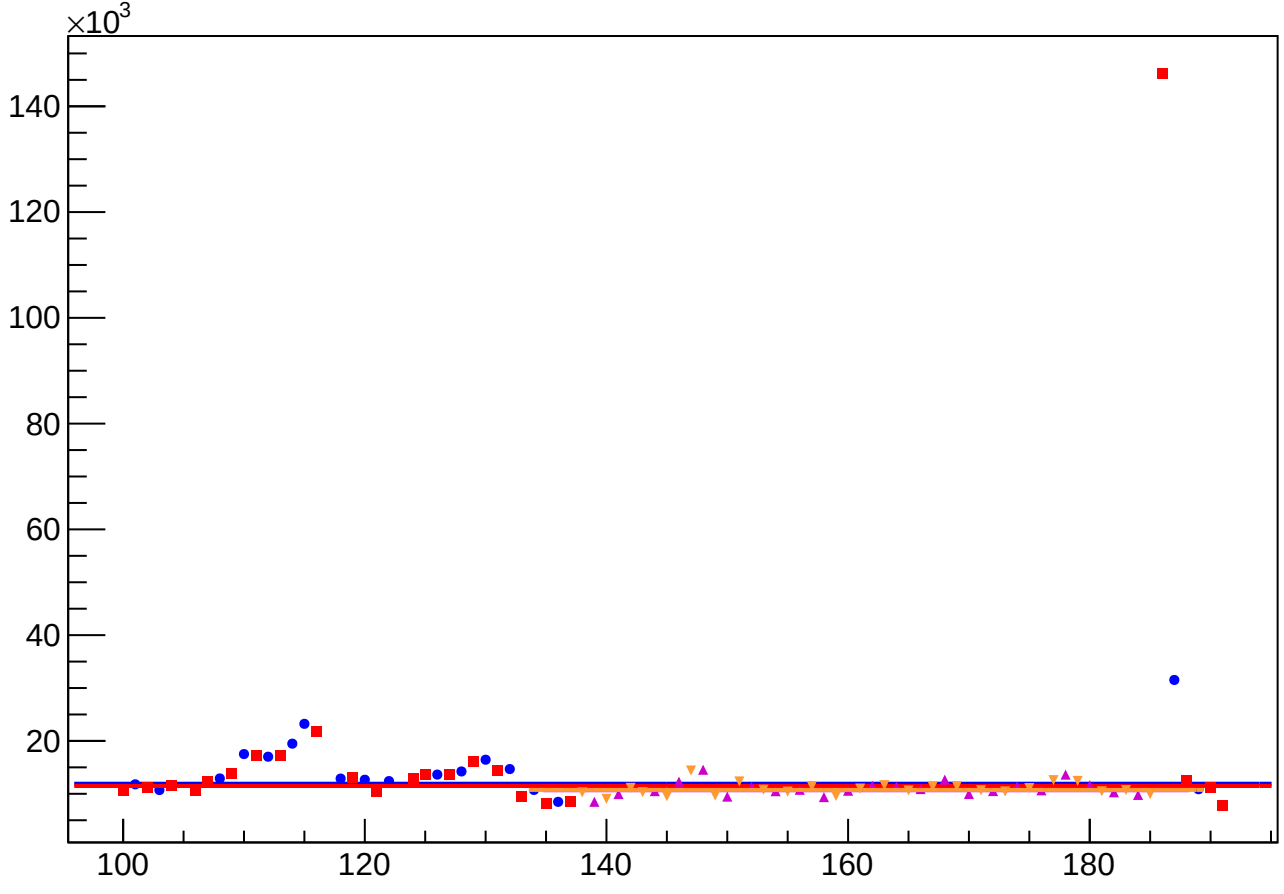
Left In: 0.891+/-2.519 χ^2/NDF:31.8/22

+ sign 2.855+/-2.143 χ^2/NDF: 33.2/42

All: 2.749+/-1.508 χ^2/NDF: 90.4/88

- sign 2.645+/-2.123 χ^2/NDF: 57.2/45

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: 11475.613+/-2.791 χ^2/NDF: 1601743.8/22

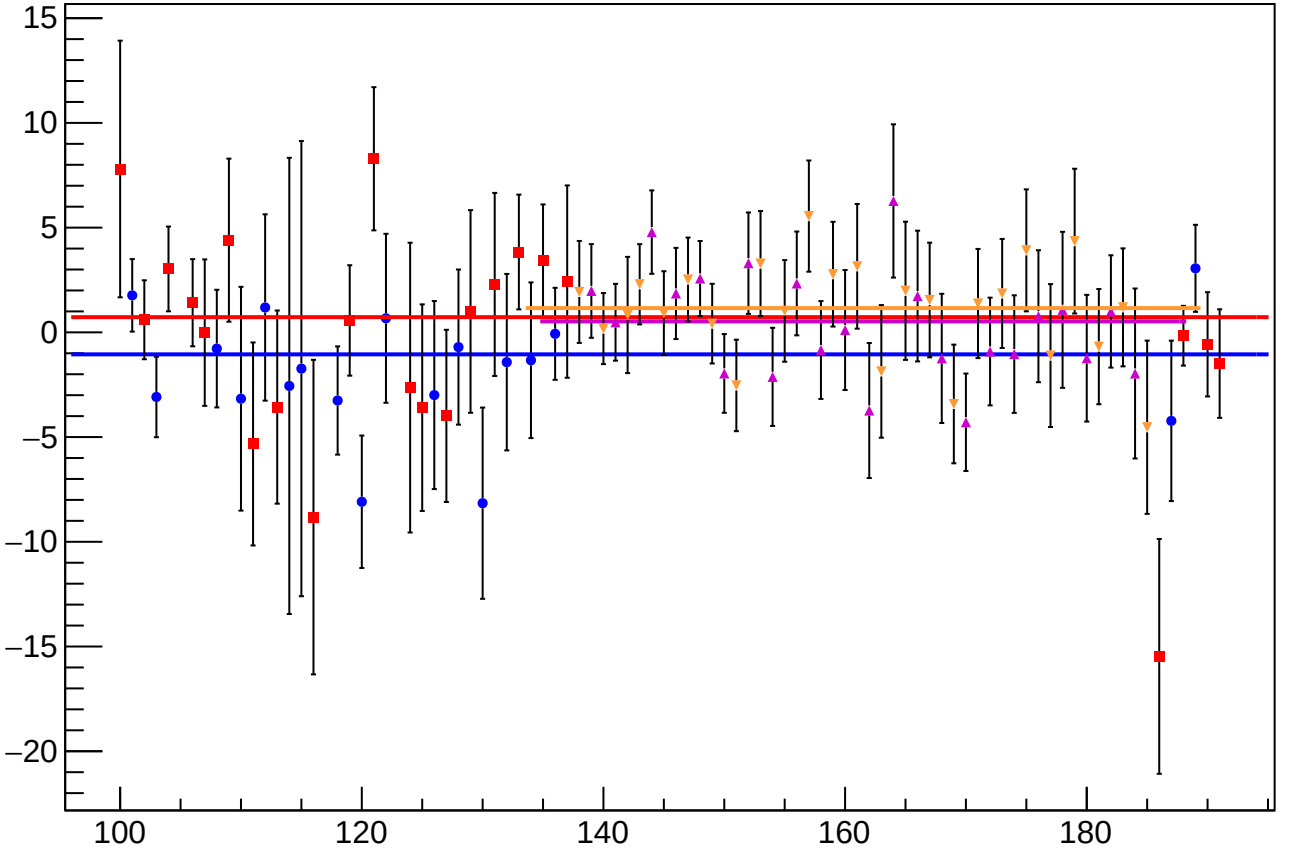
Left In: 10677.154+/-1.781 χ^2/NDF:500574.4/22

+ sign 11015.266+/-1.516 χ^2/NDF: 1374111.1/42

All: 10961.209+/-1.067 χ^2/NDF: 3537111.3/8

- sign 10908.170+/-1.501 χ^2/NDF: 2160480.0/45

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: 0.725+/-0.616 χ^2/NDF: 27.2/22

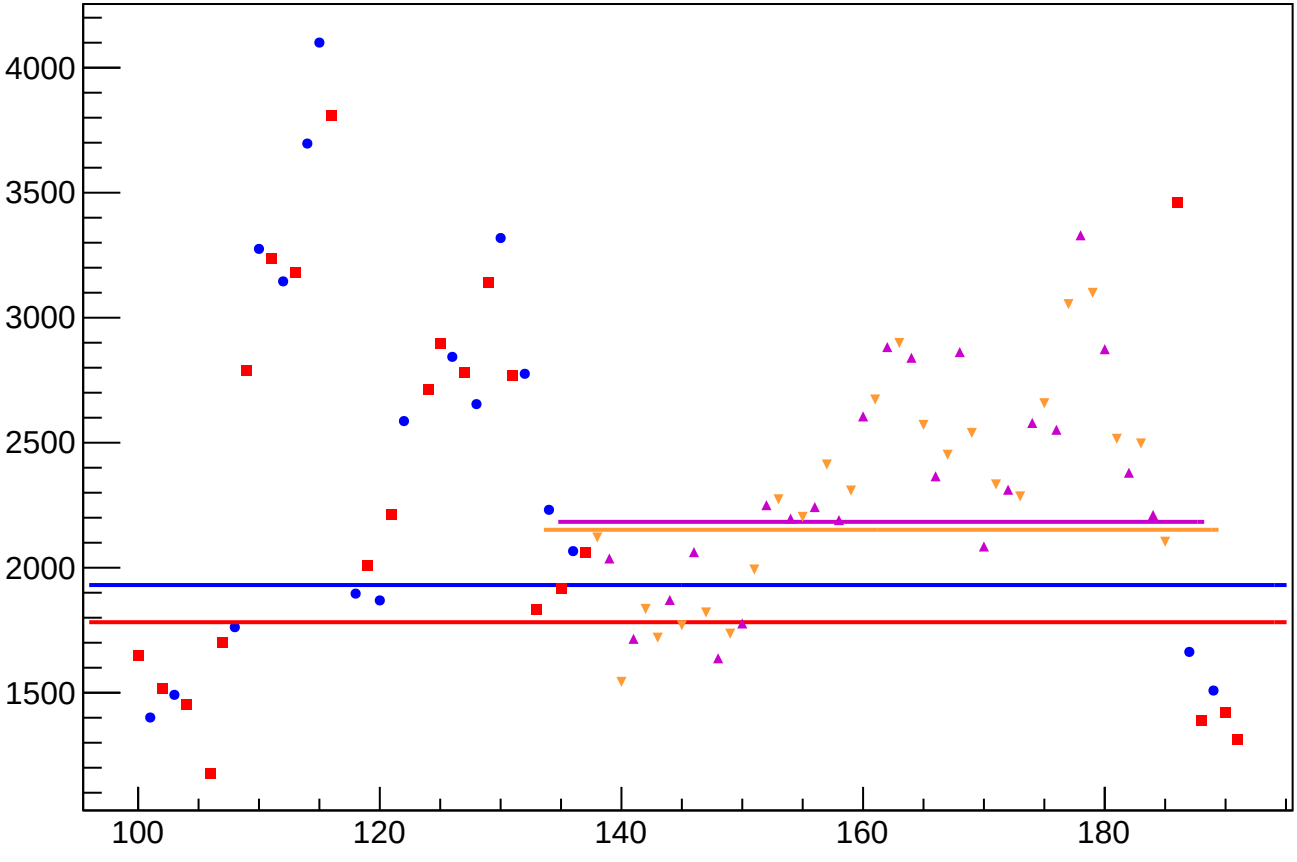
Left In: 0.522+/-0.520 χ^2/NDF:22.3/22

+ sign 0.433+/-0.410 χ^2/NDF: 40.7/42

All: 0.523+/-0.285 χ^2/NDF: 90.4/88

- sign 0.606+/-0.397 χ^2/NDF: 49.6/45

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: 1782.123+/-0.435 χ^2/NDF: 1921219.1/22

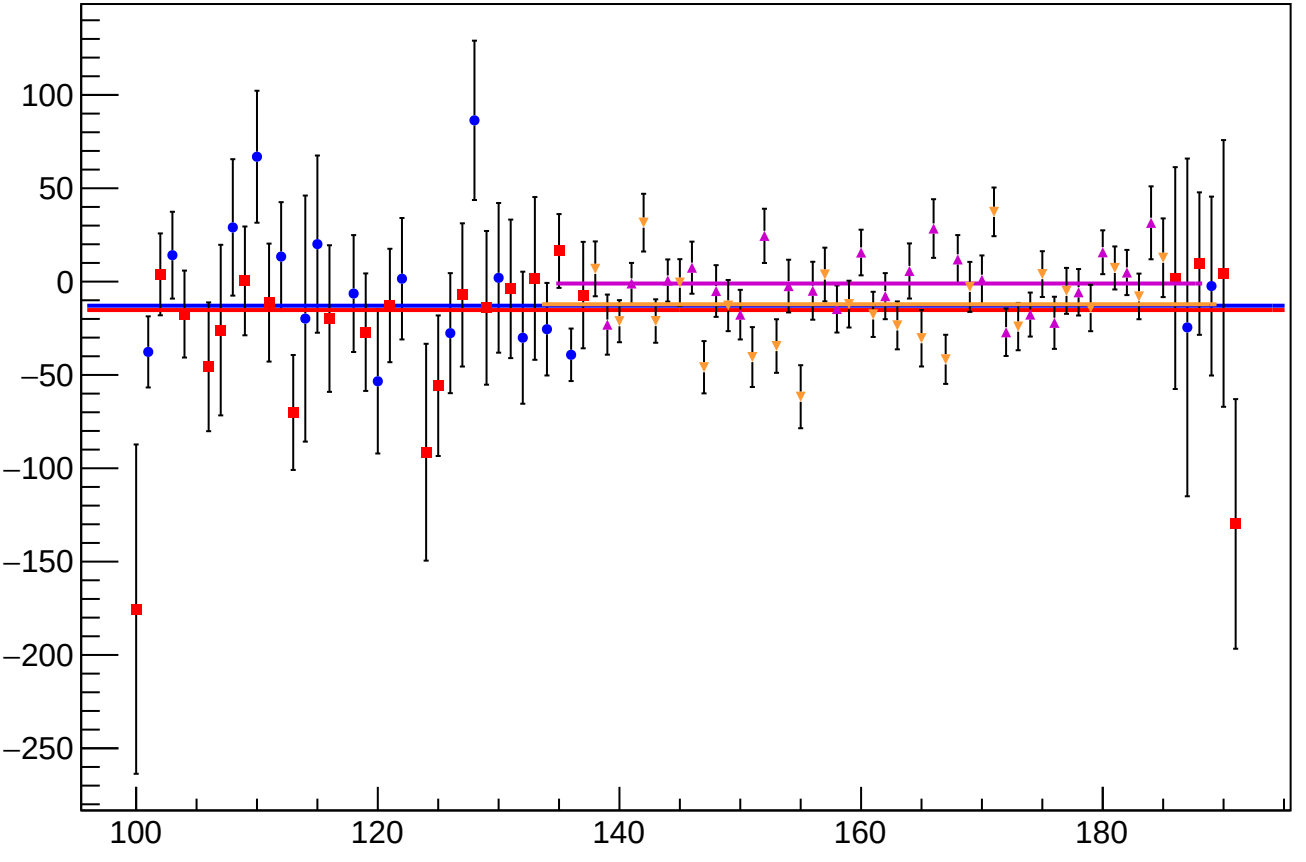
Left In: 2183.482+/-0.368 χ^2/NDF:1162266.2/22

+ sign 2079.268+/-0.290 χ^2/NDF: 2776034.4/42

All: 2046.867+/-0.202 χ^2/NDF: 6379841.3/88

- sign 2016.453+/-0.281 χ^2/NDF: 3579591.6/45

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

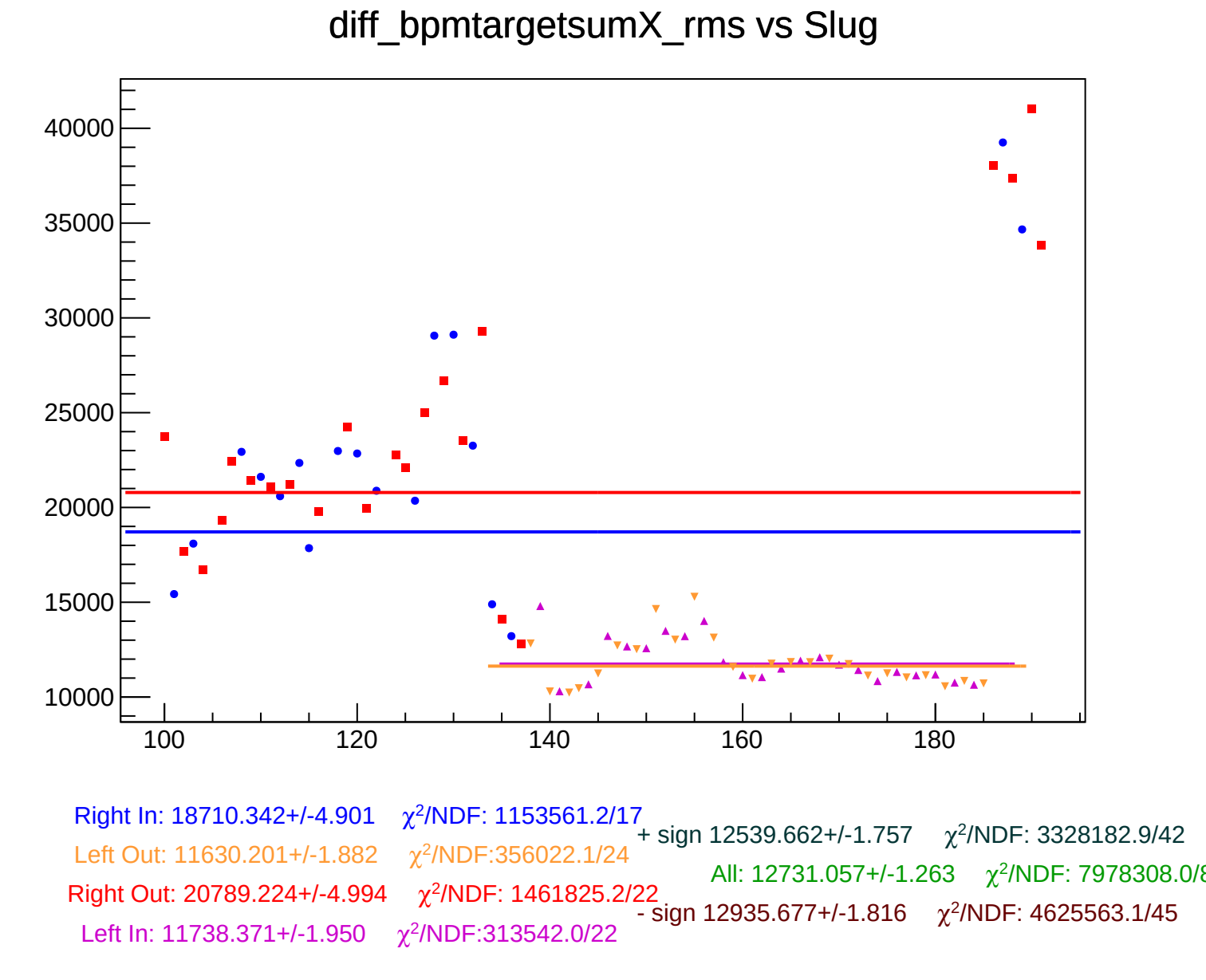
Right Out: -15.244+/-7.062 χ^2/NDF: 17.9/22

Left In: -1.024+/-2.758 χ^2/NDF:28.8/22

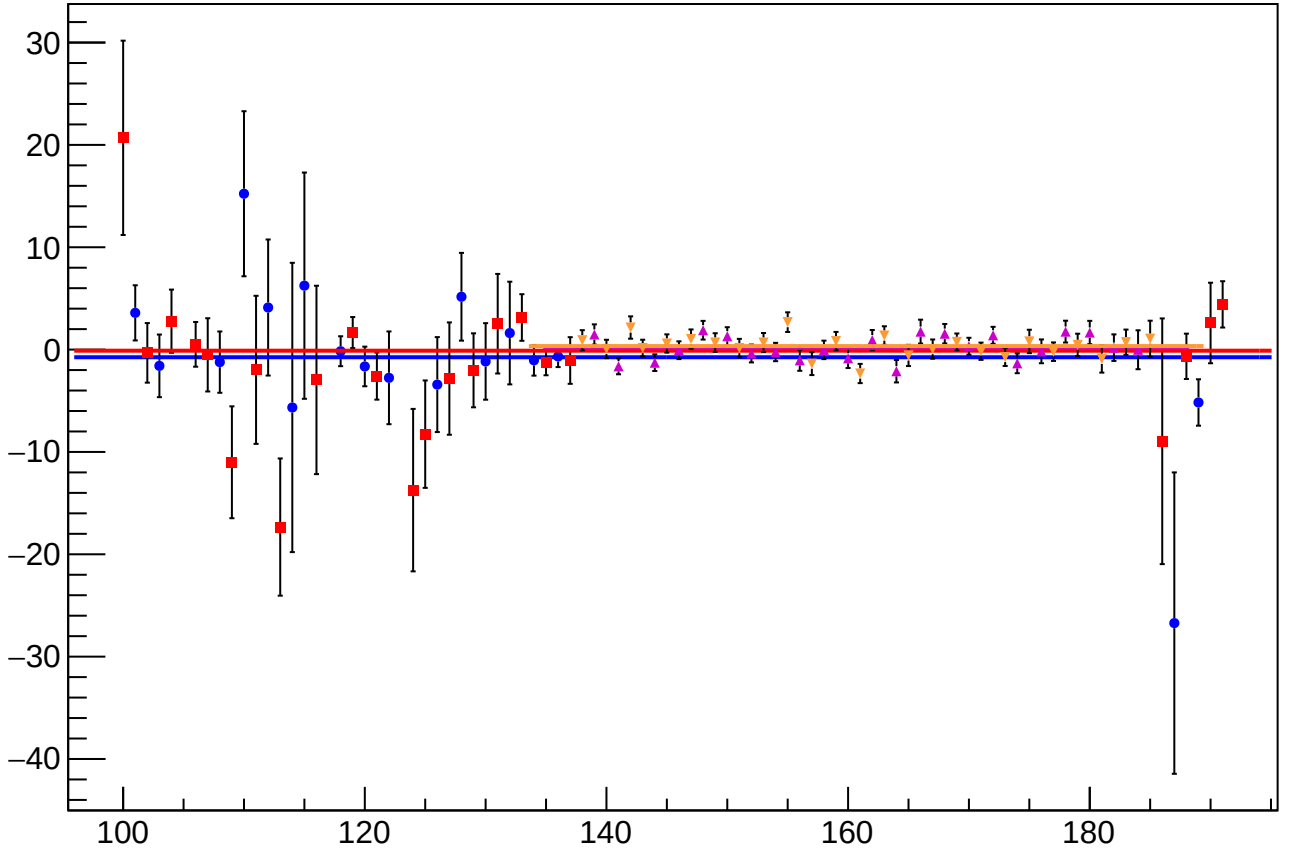
+ sign -12.234+/-2.484 χ^2/NDF: 84.6/42

All: -7.725+/-1.786 χ^2/NDF: 141.6/88

- sign -2.905+/-2.569 χ^2/NDF: 50.2/45


diff_bpmtargetsumX_rms vs Slug
40000
35000
30000
25000
20000
15000
10000
100
120
140
160
180
Right In: 18710.342+/-4.901 χ²/NDF: 1153561.2/17
Left Out: 11630.201+/-1.882 χ²/NDF:356022.1/24
Right Out: 20789.224+/-4.994 χ²/NDF: 1461825.2/22
Left In: 11738.371+/-1.950 χ²/NDF:313542.0/22
+ sign 12539.662+/-1.757 χ²/NDF: 3328182.9/42
All: 12731.057+/-1.263 χ²/NDF: 7978308.0/8
- sign 12935.677+/-1.816 χ²/NDF: 4625563.1/45

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: -0.108+/-0.581 χ^2/NDF: 33.4/22

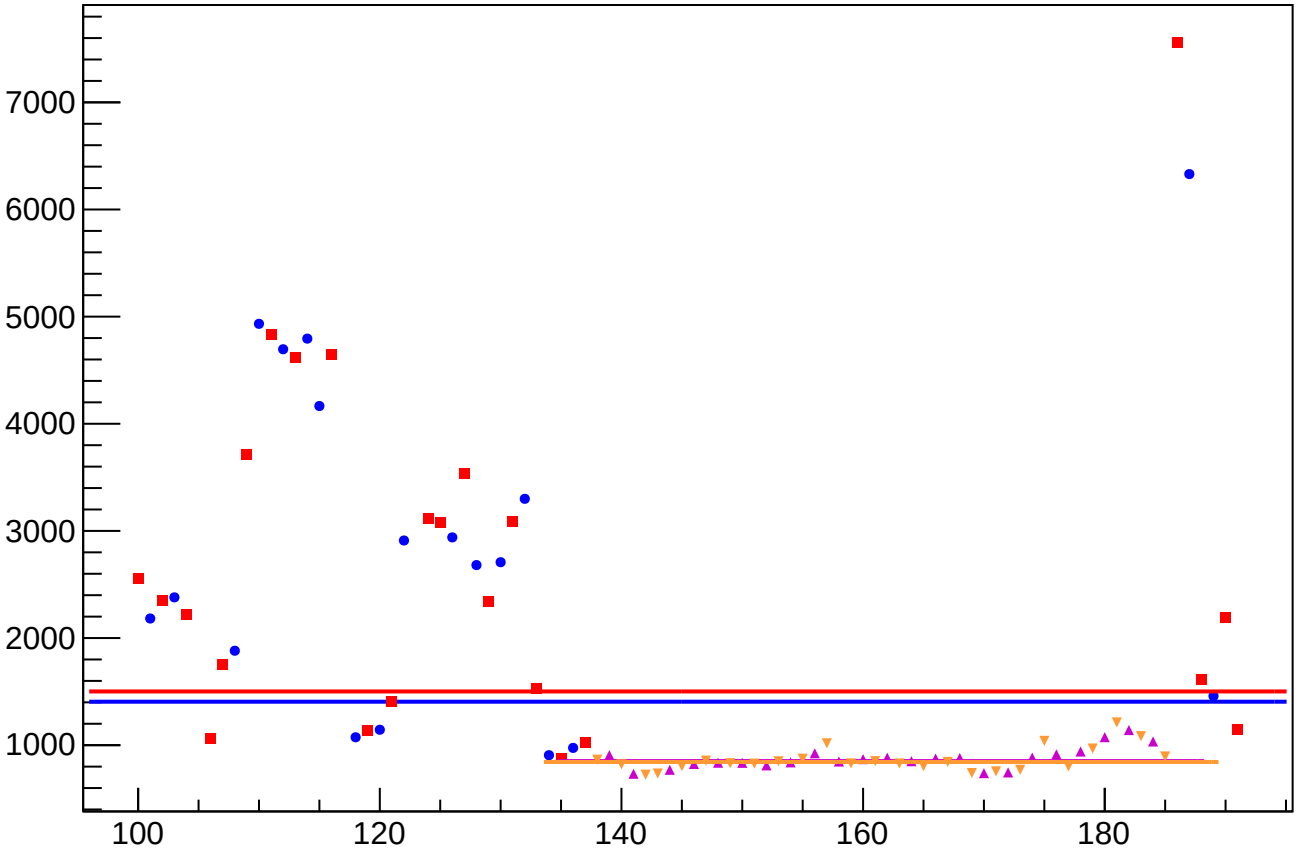
Left In: 0.165+/-0.201 χ^2/NDF:36.3/22

+ sign 0.233+/-0.184 χ^2/NDF: 47.6/42

All: 0.186+/-0.132 χ^2/NDF: 117.7/88

- sign 0.136+/-0.190 χ^2/NDF: 70.0/45

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: 1501.687+/-0.411 χ^2/NDF: 4025121.9/22

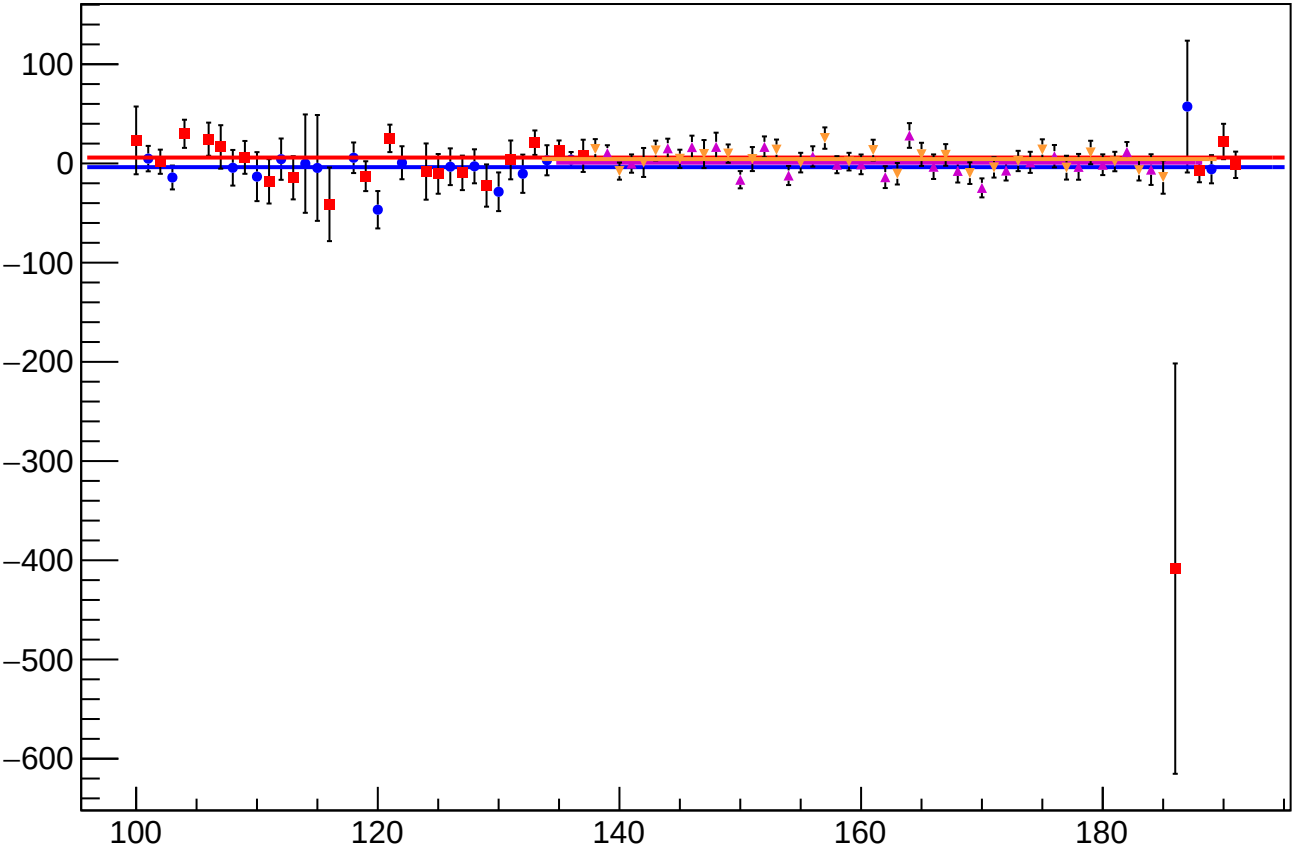
Left In: 851.618+/-0.142 χ^2/NDF:382555.6/22

+ sign 899.797+/-0.130 χ^2/NDF: 5805914.6/42

All: 910.035+/-0.093 χ^2/NDF: 12460911.9/88

- sign 920.962+/-0.134 χ^2/NDF: 6642163.9/45

diff_bpmtargetsumY_mean vs Slug



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: 5.933+/-3.432 χ^2/NDF: 23.7/22

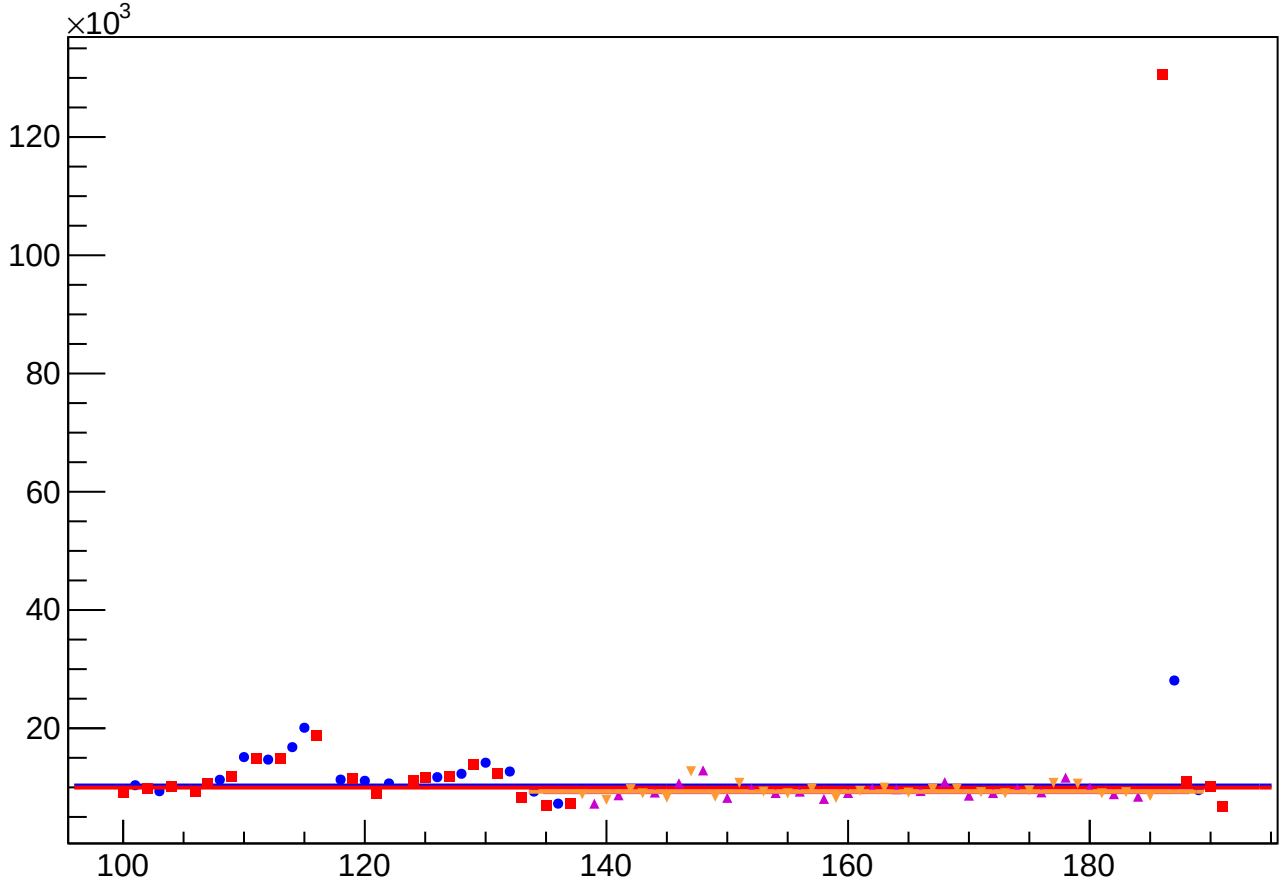
Left In: 0.734+/-2.171 χ^2/NDF:32.0/22

+ sign 2.447+/-1.852 χ^2/NDF: 33.0/42

All: 2.332+/-1.303 χ^2/NDF: 90.4/88

- sign 2.219+/-1.835 χ^2/NDF: 57.4/45

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: 9970.685+/-2.427 χ^2/NDF: 1607858.5/22

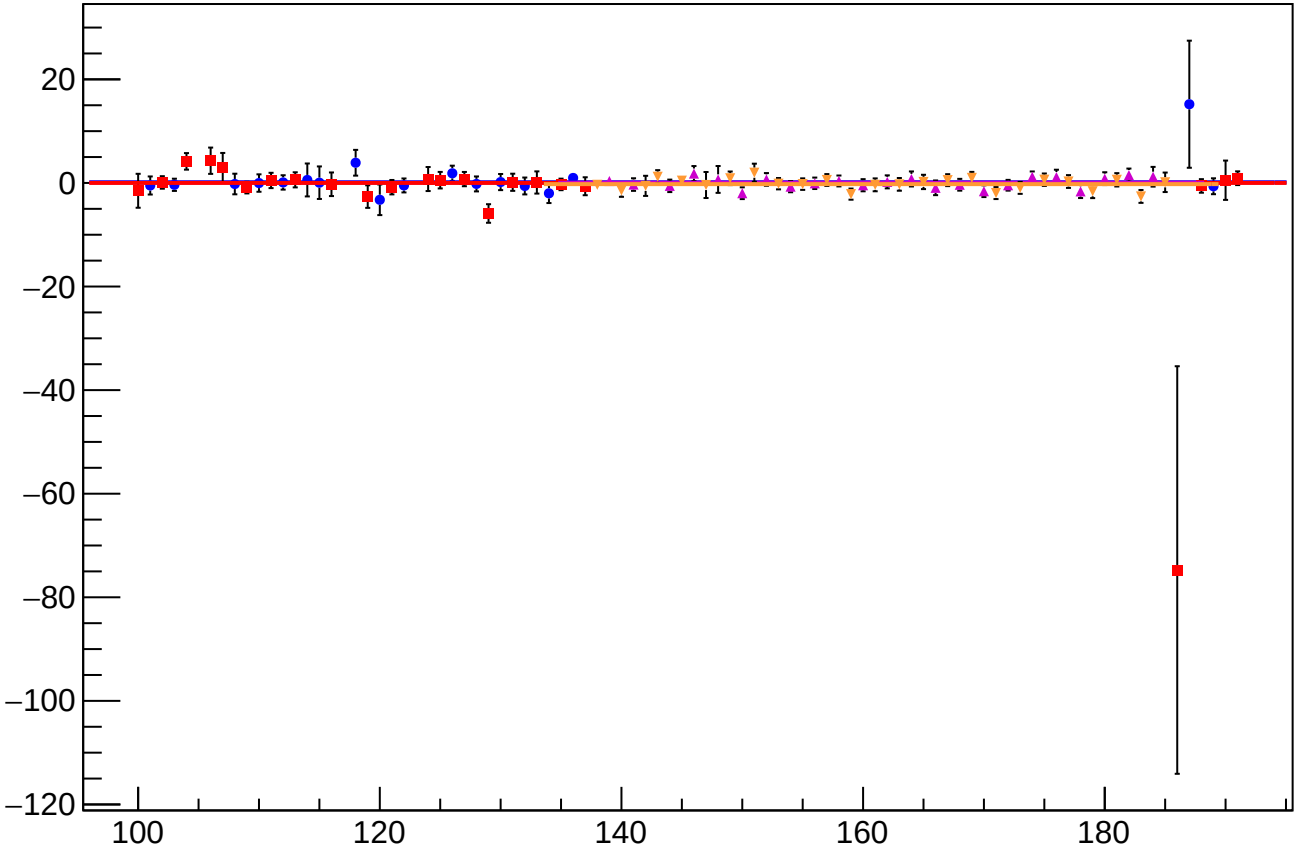
Left In: 9199.542+/-1.535 χ^2/NDF:515496.8/22

+ sign 9512.049+/-1.309 χ^2/NDF: 1402575.0/42

All: 9465.514+/-0.922 χ^2/NDF: 3600545.2/88

- sign 9419.835+/-1.297 χ^2/NDF: 2195467.1/45

diff_bpmtargetdiffY_mean vs Slug



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: 0.006+/-0.344 χ^2/NDF: 29.5/22

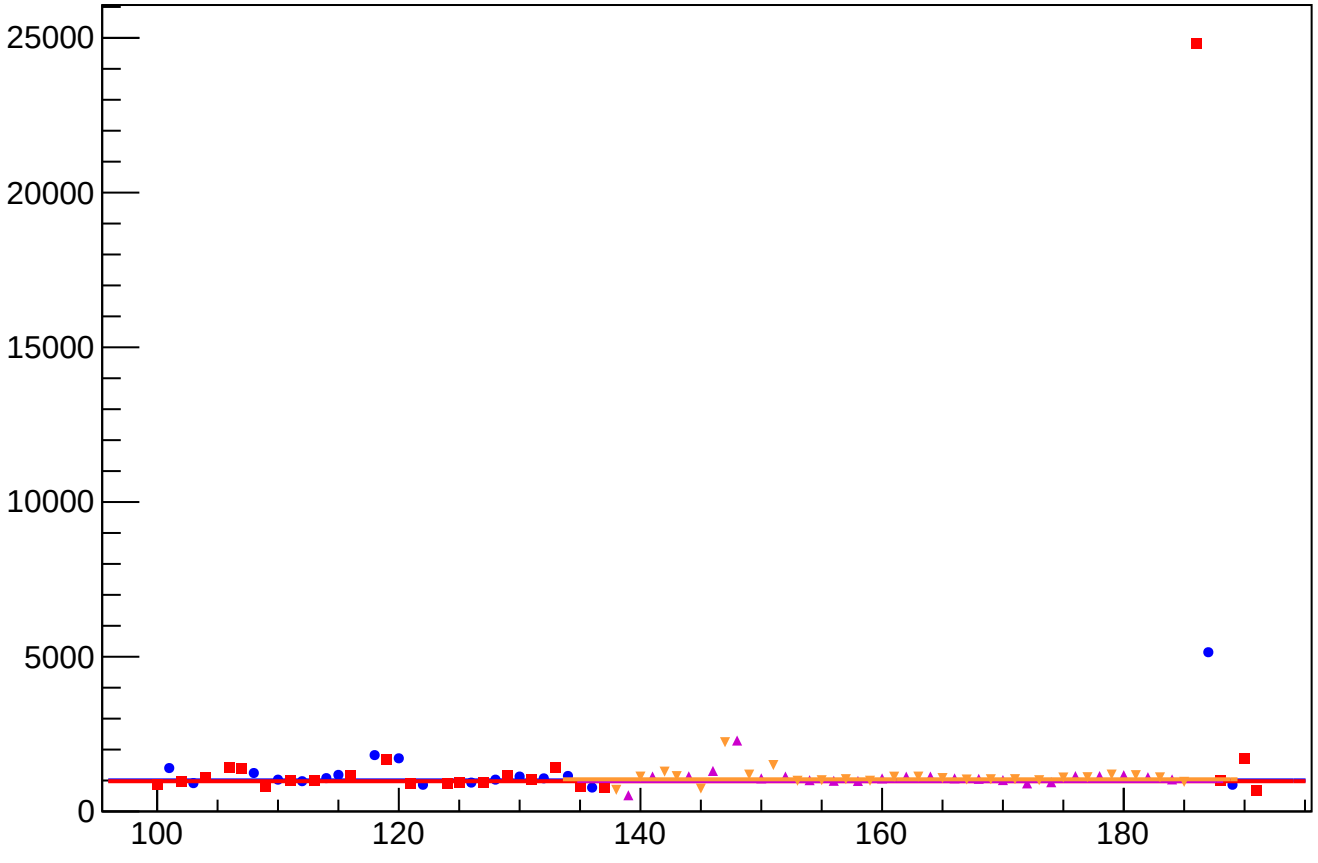
Left In: 0.025+/-0.239 χ^2/NDF:15.2/22

+ sign -0.122+/-0.204 χ^2/NDF: 29.5/42

All: -0.049+/-0.142 χ^2/NDF: 74.4/88

- sign 0.018+/-0.196 χ^2/NDF: 44.7/45

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

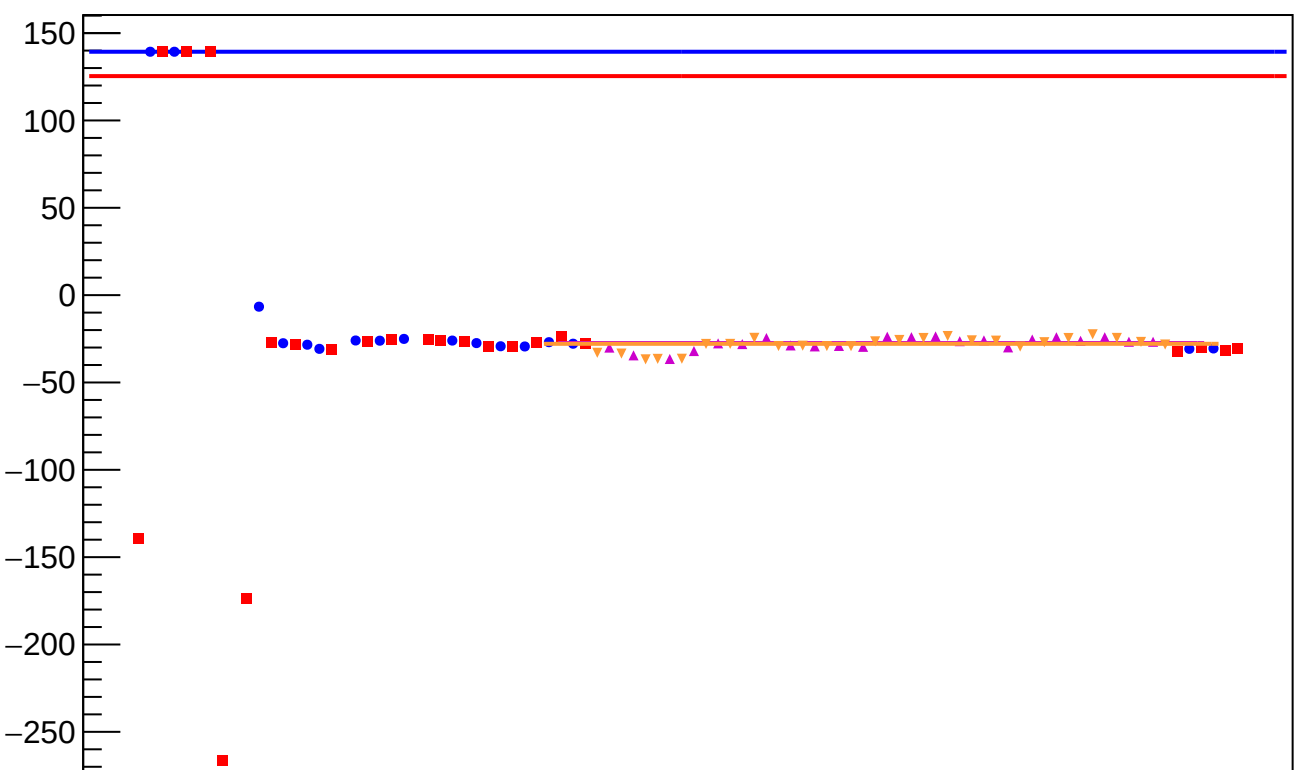
Right Out: 976.655+/-0.243 χ^2/NDF: 1497340.0/22

Left In: 981.677+/-0.169 χ^2/NDF:2225094.5/22

+ sign 1029.004+/-0.144 χ^2/NDF: 2296613.3/42

All: 1003.581+/-0.100 χ^2/NDF: 6079107.7/88

- sign 980.042+/-0.139 χ^2/NDF: 3722721.7/45



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: 774176513329815.9/22

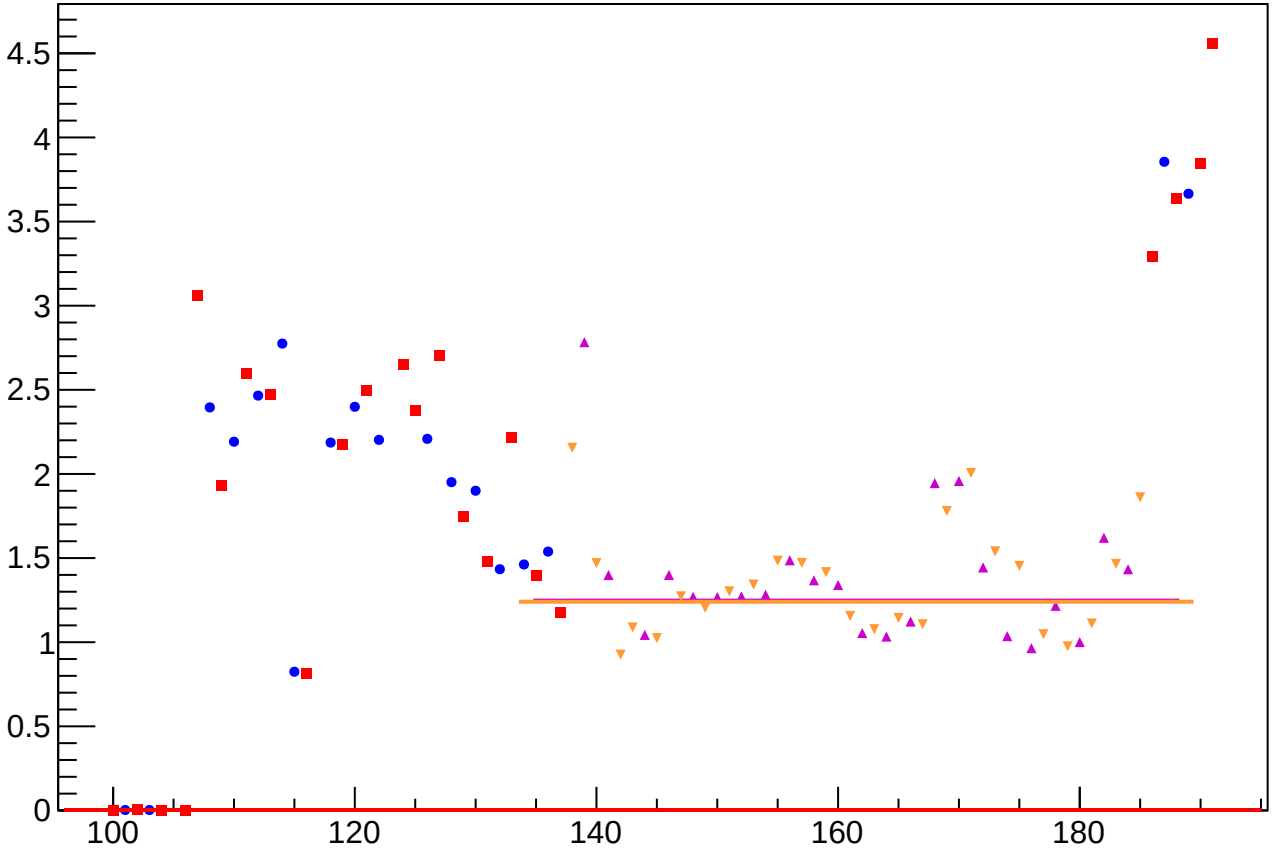
Left In: -27.427+/-0.000 χ^2/NDF:123181562.3/22

+ sign 139.328+/-0.000 χ^2/NDF: 323041058167.1/4

All: 131.810+/-0.000 χ^2/NDF: 79349237894

- sign 125.385+/-0.000 χ^2/NDF: 774390166702161

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

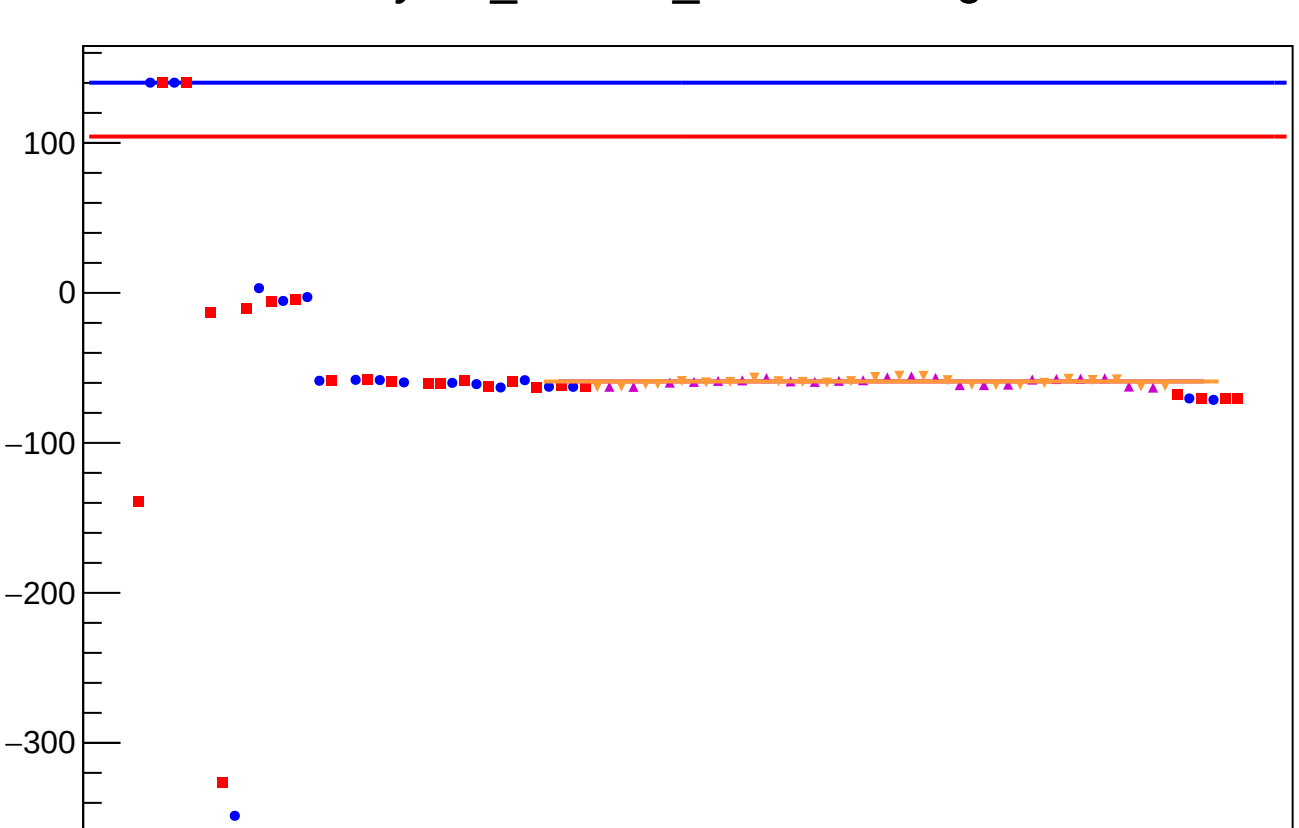
Right Out: 0.003+/-0.000 χ^2/NDF: 13477265.6/22

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: 85451661.5/88

- sign 0.003+/-0.000 χ^2/NDF: 43244532.9/45



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: 1257417804279006.2/22

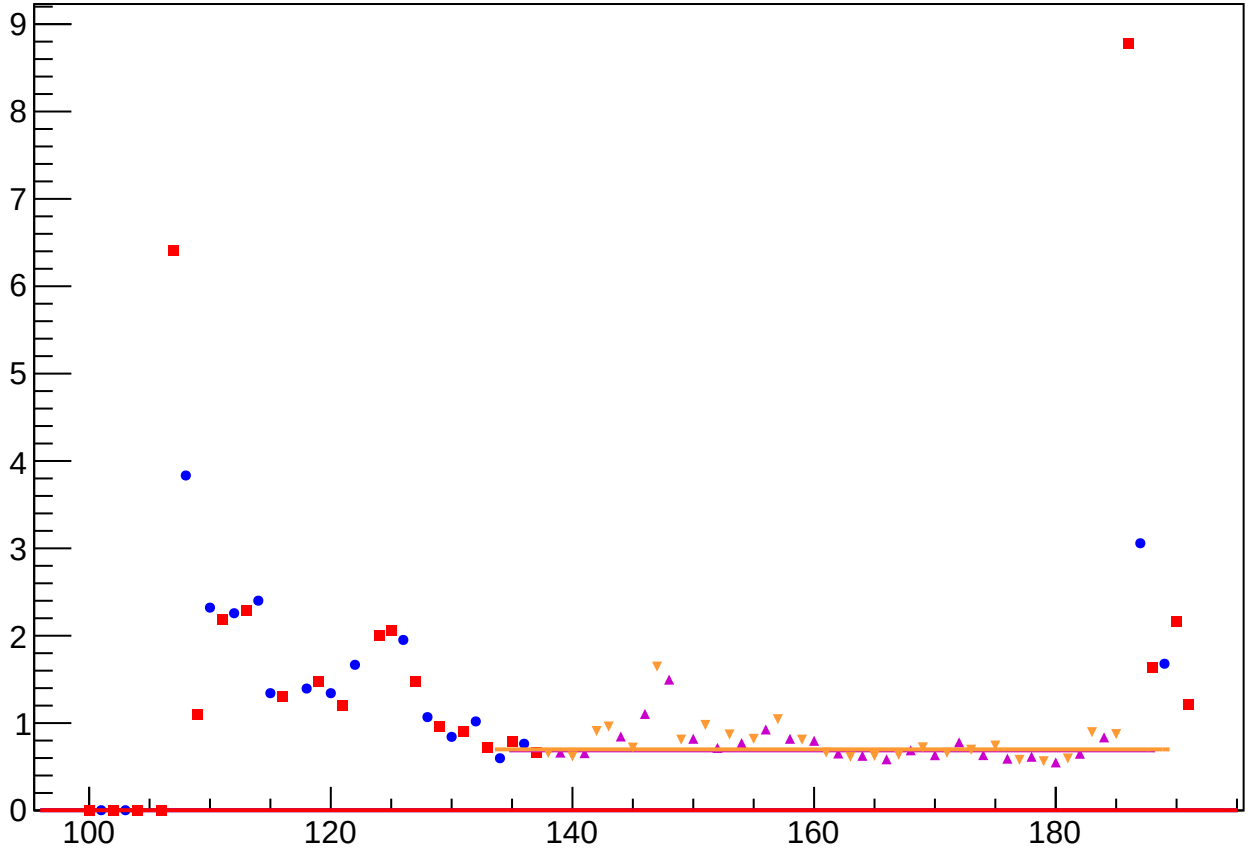
Left In: -59.020+/-0.000 χ^2/NDF:179236820.4/22

+ sign 140.107+/-0.000 χ^2/NDF: 1492891823595.7

All: 120.801+/-0.000 χ^2/NDF: 13830197835

- sign 104.198+/-0.000 χ^2/NDF: 125827486464400

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: 13774308.2/22

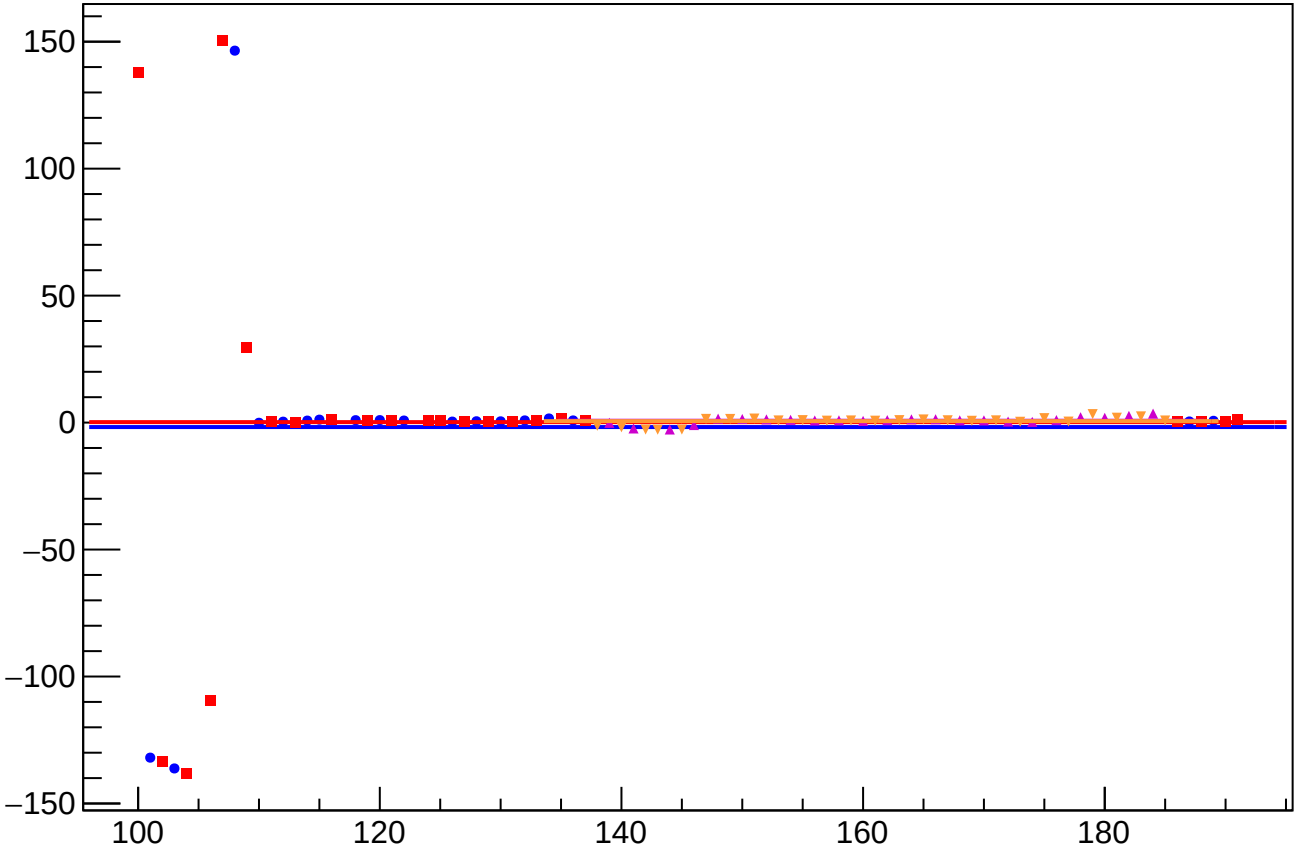
Left In: 0.688+/-0.000 χ^2/NDF:1107767.8/22

+ sign 0.003+/-0.000 χ^2/NDF: 44923832.8/42

All: 0.003+/-0.000 χ^2/NDF: 90008851.0/88

- sign 0.003+/-0.000 χ^2/NDF: 45084501.3/45

yield_cav4cX_mean vs Slug



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: 0.183+/-0.000 χ^2/NDF: 3611358109.0/22

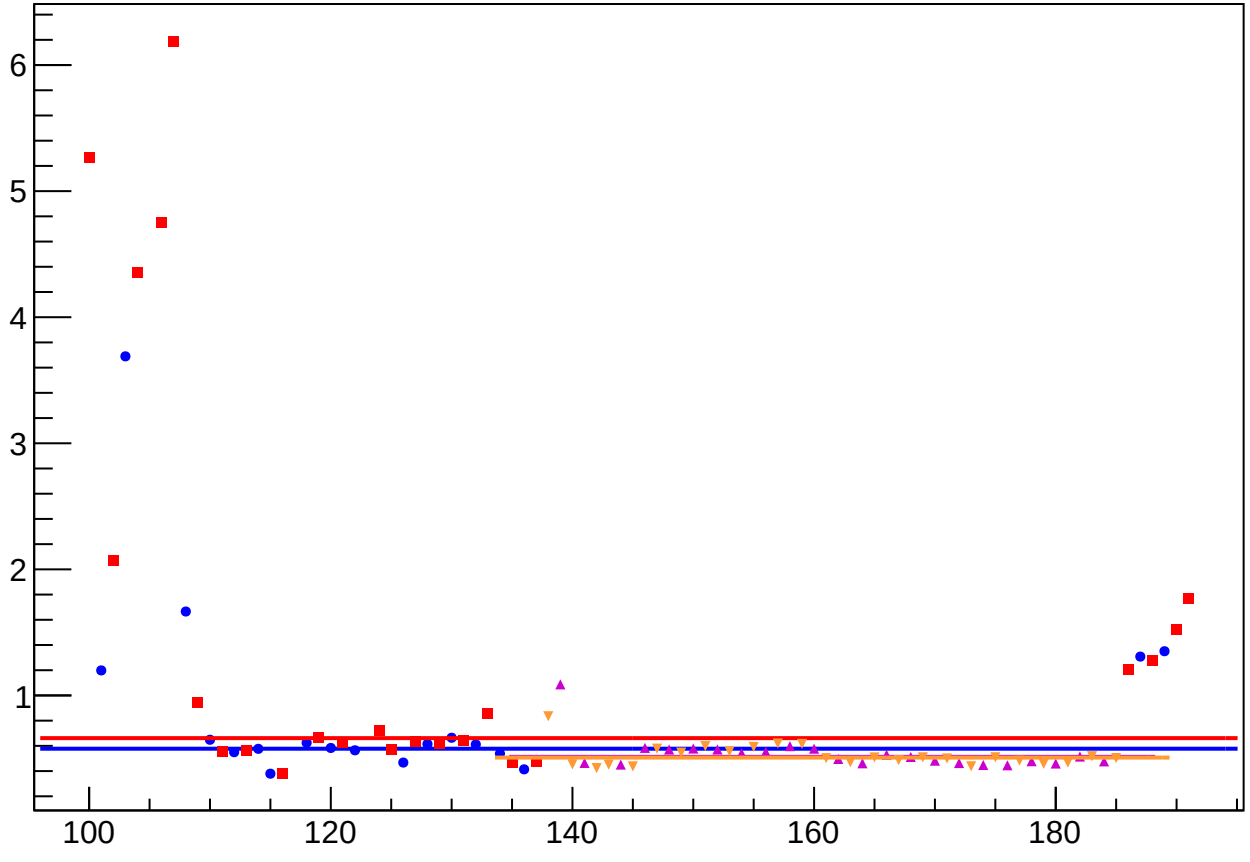
Left In: 0.732+/-0.000 χ^2/NDF:105135095.8/22

+ sign 0.076+/-0.000 χ^2/NDF: 10114659423.1/42

All: 0.335+/-0.000 χ^2/NDF: 13845508792.9/8

- sign 0.620+/-0.000 χ^2/NDF: 3719948825.8/45

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: 0.661+/-0.000 χ^2/NDF: 3532492.0/22

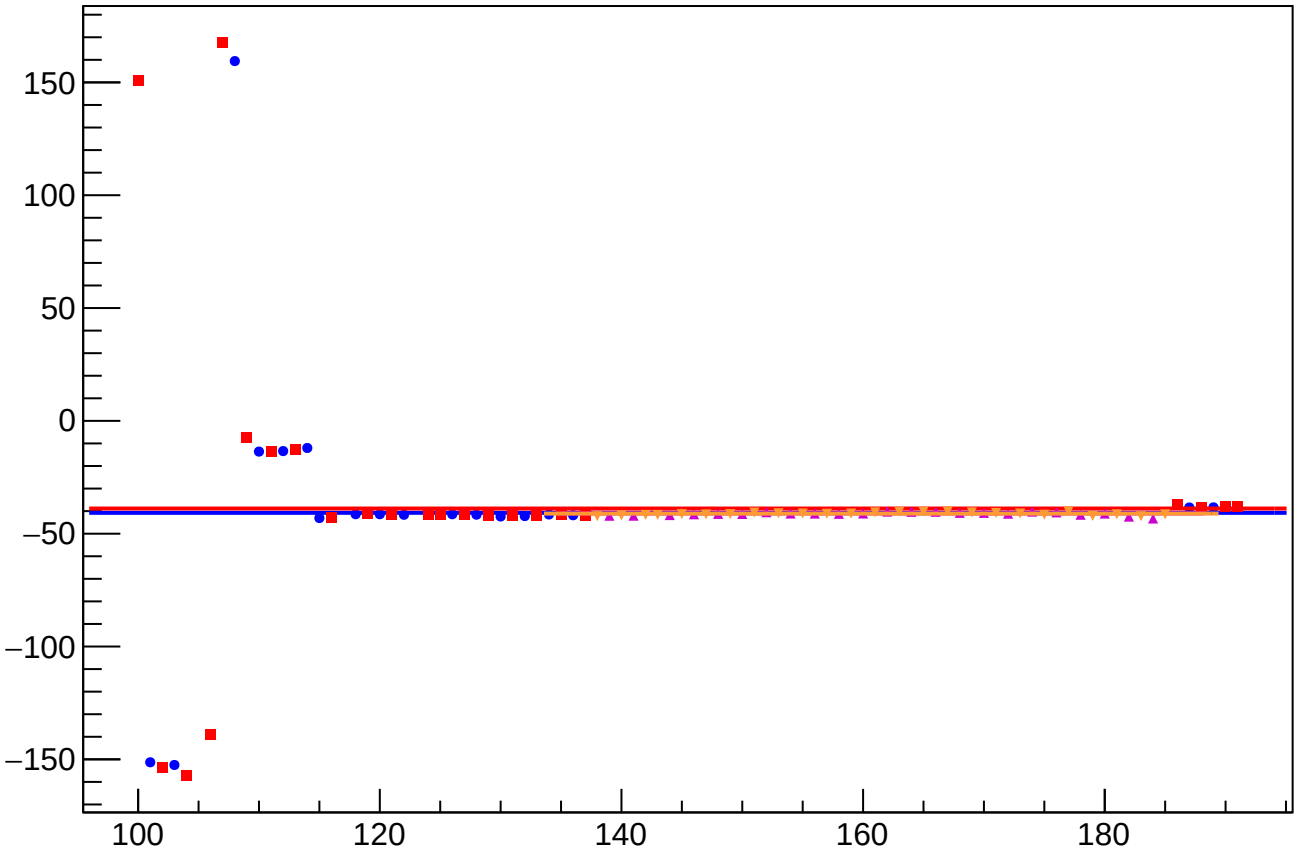
Left In: 0.513+/-0.000 χ^2/NDF:753419.6/22

+ sign 0.522+/-0.000 χ^2/NDF: 2725509.7/42

All: 0.532+/-0.000 χ^2/NDF: 7550520.9/88

- sign 0.543+/-0.000 χ^2/NDF: 4791990.3/45

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: -38.844+/-0.000 χ^2/NDF: 2485272363.6/22

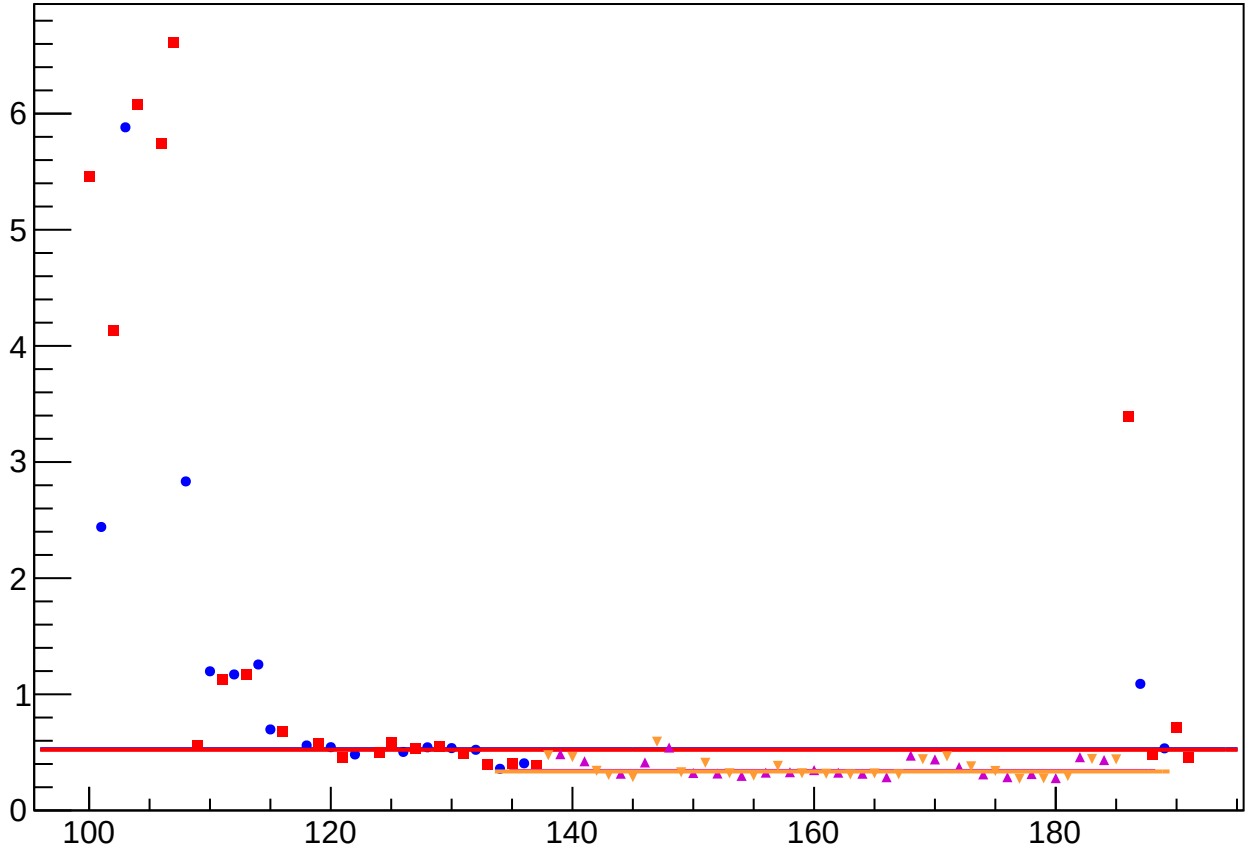
Left In: -41.029+/-0.000 χ^2/NDF:51382147.2/22

+ sign -41.054+/-0.000 χ^2/NDF: 3523464617.1/42

All: -40.893+/-0.000 χ^2/NDF: 6166367031.2/

- sign -40.724+/-0.000 χ^2/NDF: 2633502907.0/45

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: 0.523+/-0.000 χ^2/NDF: 3881423.1/22

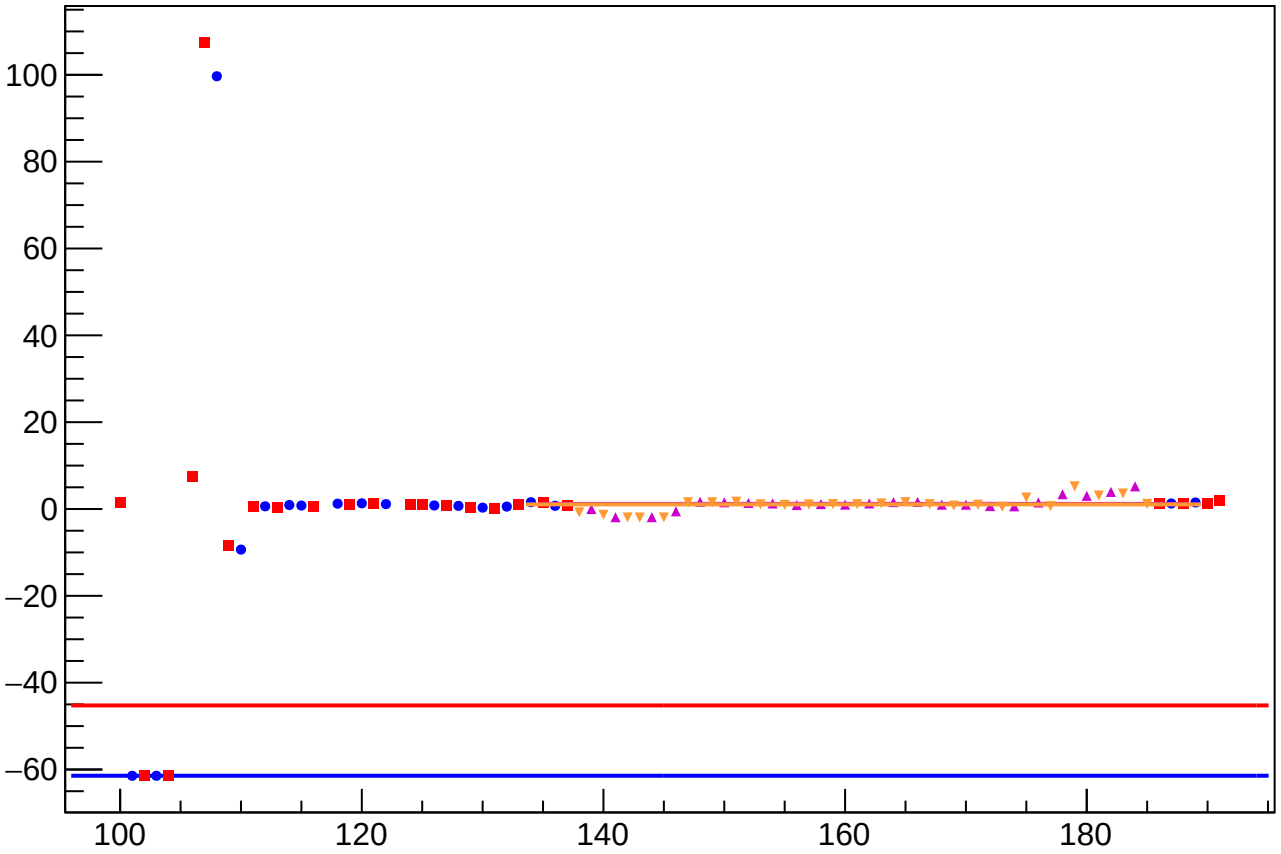
Left In: 0.340+/-0.000 χ^2/NDF:1065343.8/22

+ sign 0.357+/-0.000 χ^2/NDF: 5602512.8/42

All: 0.361+/-0.000 χ^2/NDF: 11908788.7/88

- sign 0.366+/-0.000 χ^2/NDF: 6294536.7/45

yield_cav4dX_mean vs Slug



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: 357873247589545.4/22

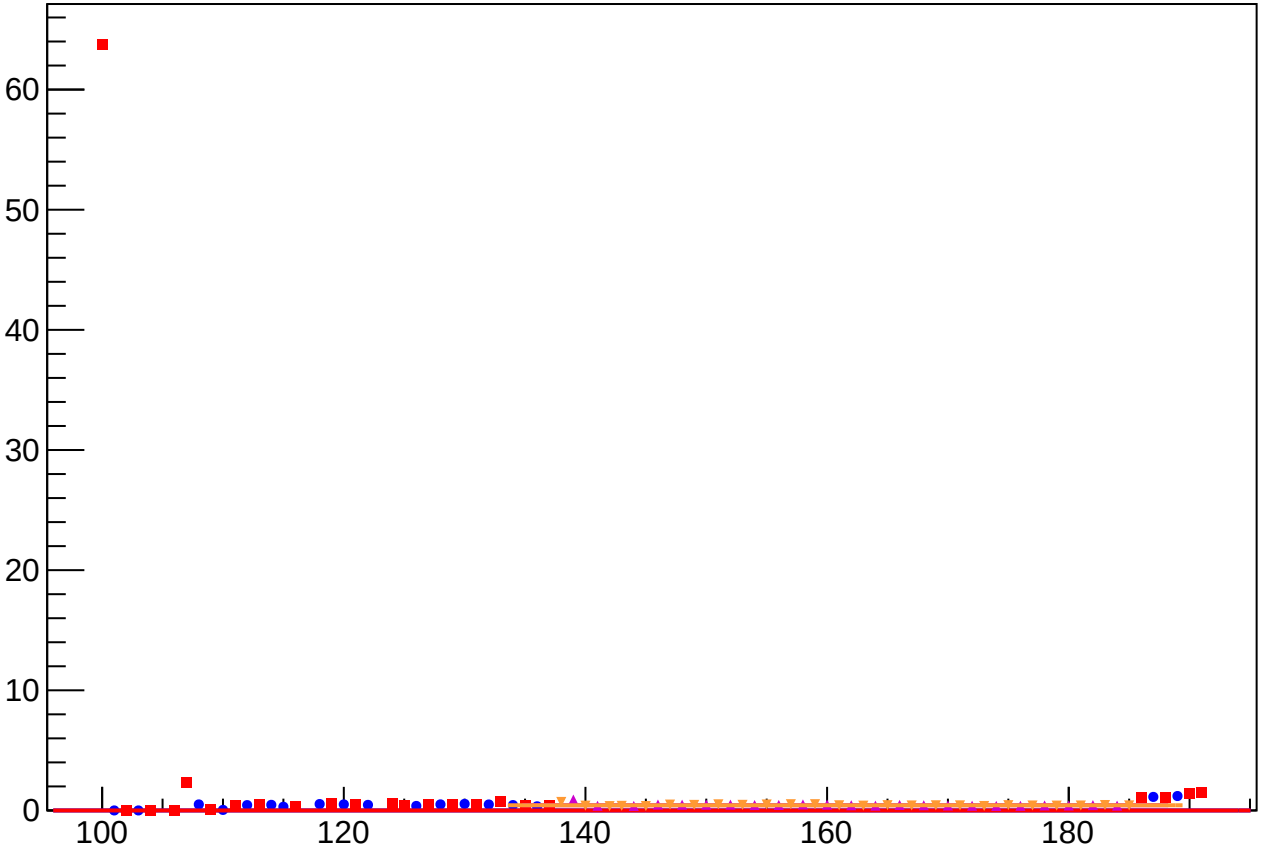
Left In: 1.175+/-0.000 χ^2/NDF:182397676.2/22

+ sign -61.421+/-0.000 χ^2/NDF: 605408381733.6/4

All: -52.738+/-0.000 χ^2/NDF: 409596684364

- sign -45.236+/-0.000 χ^2/NDF: 358039813438706.

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: 13077921.8/22

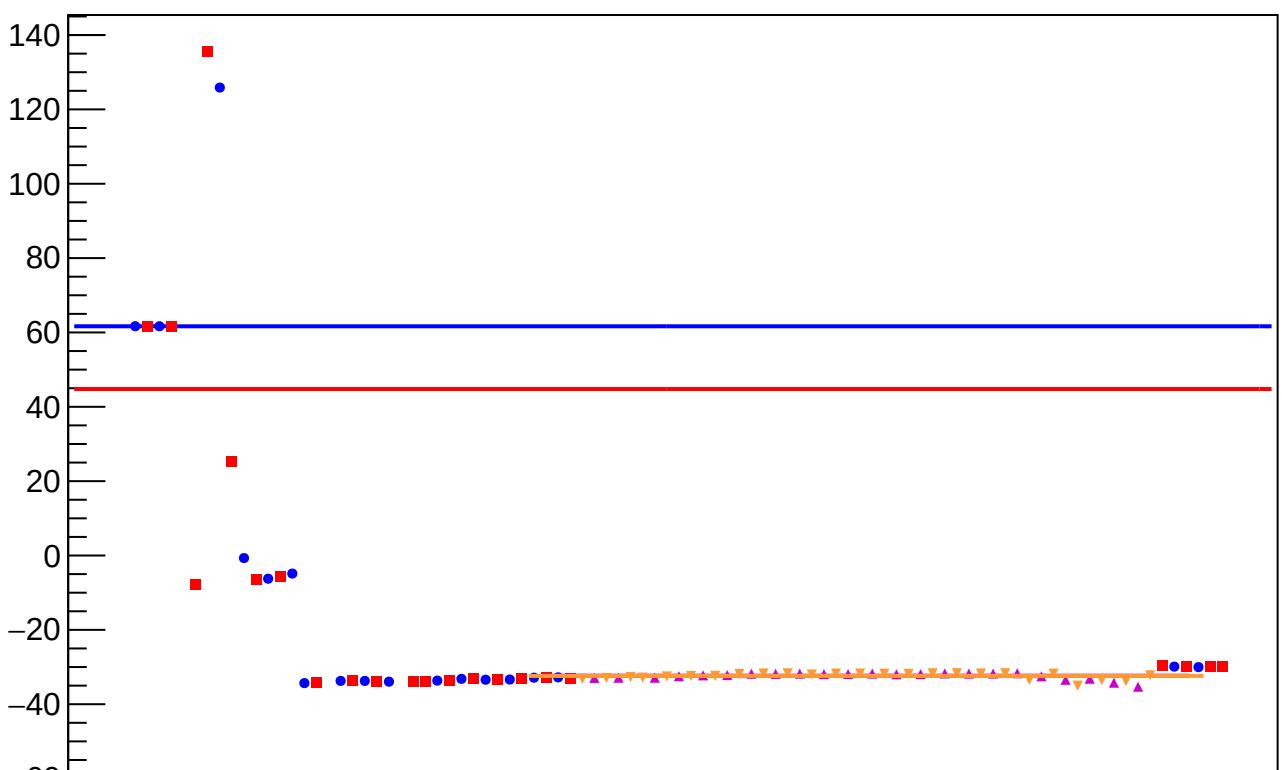
Left In: 0.438+/-0.000 χ^2/NDF:698702.2/22

+ sign 0.002+/-0.000 χ^2/NDF: 42260847.7/42

All: 0.002+/-0.000 χ^2/NDF: 85481757.9/88

- sign 0.002+/-0.000 χ^2/NDF: 43220754.0/45

yield_cav4dY_mean vs Slug



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: 366144508451661.4/22

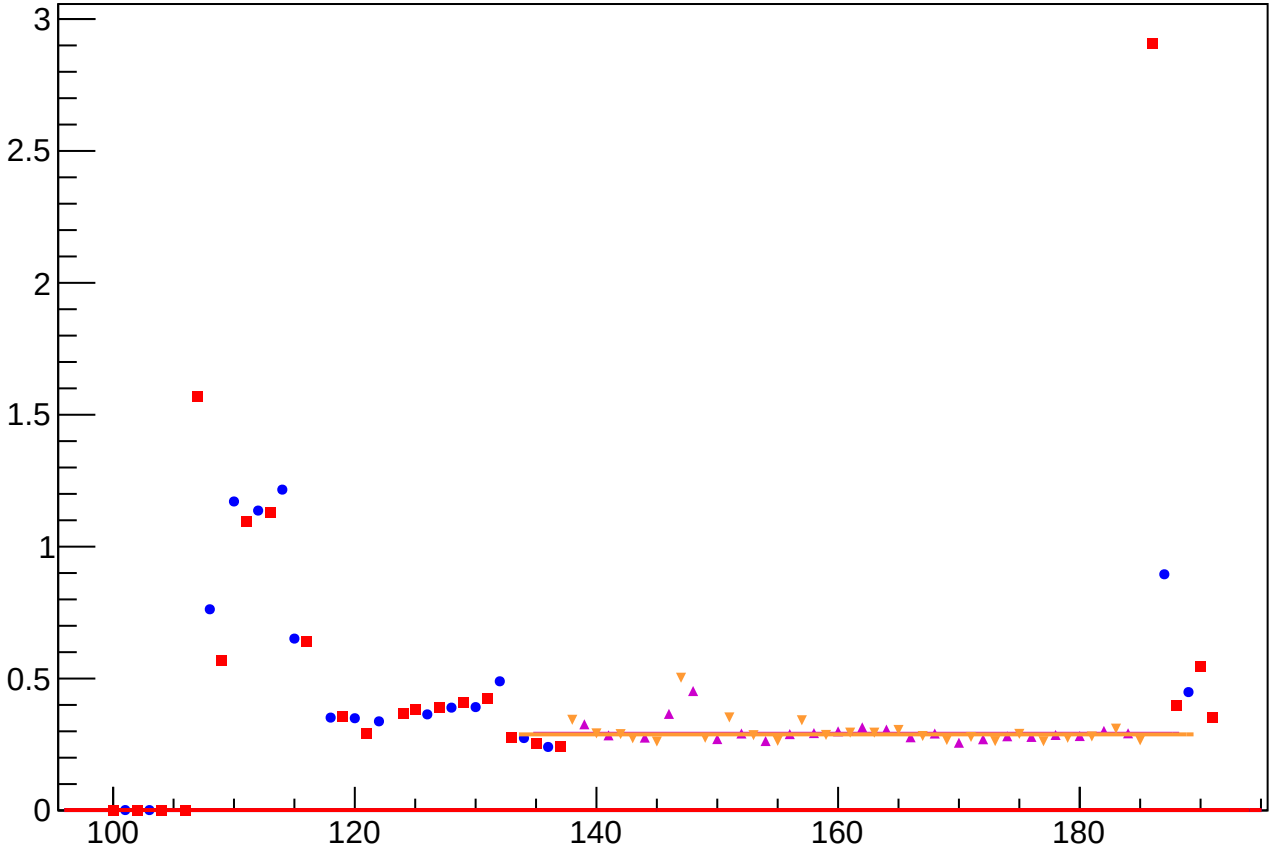
Left In: -32.325+/-0.000 χ^2/NDF:118654391.5/22

+ sign 61.600+/-0.000 χ^2/NDF: 2349809058205.5/4

All: 52.637+/-0.000 χ^2/NDF: 4207416133493

- sign 44.742+/-0.000 χ^2/NDF: 367372269446936.5

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: 14256952.0/22

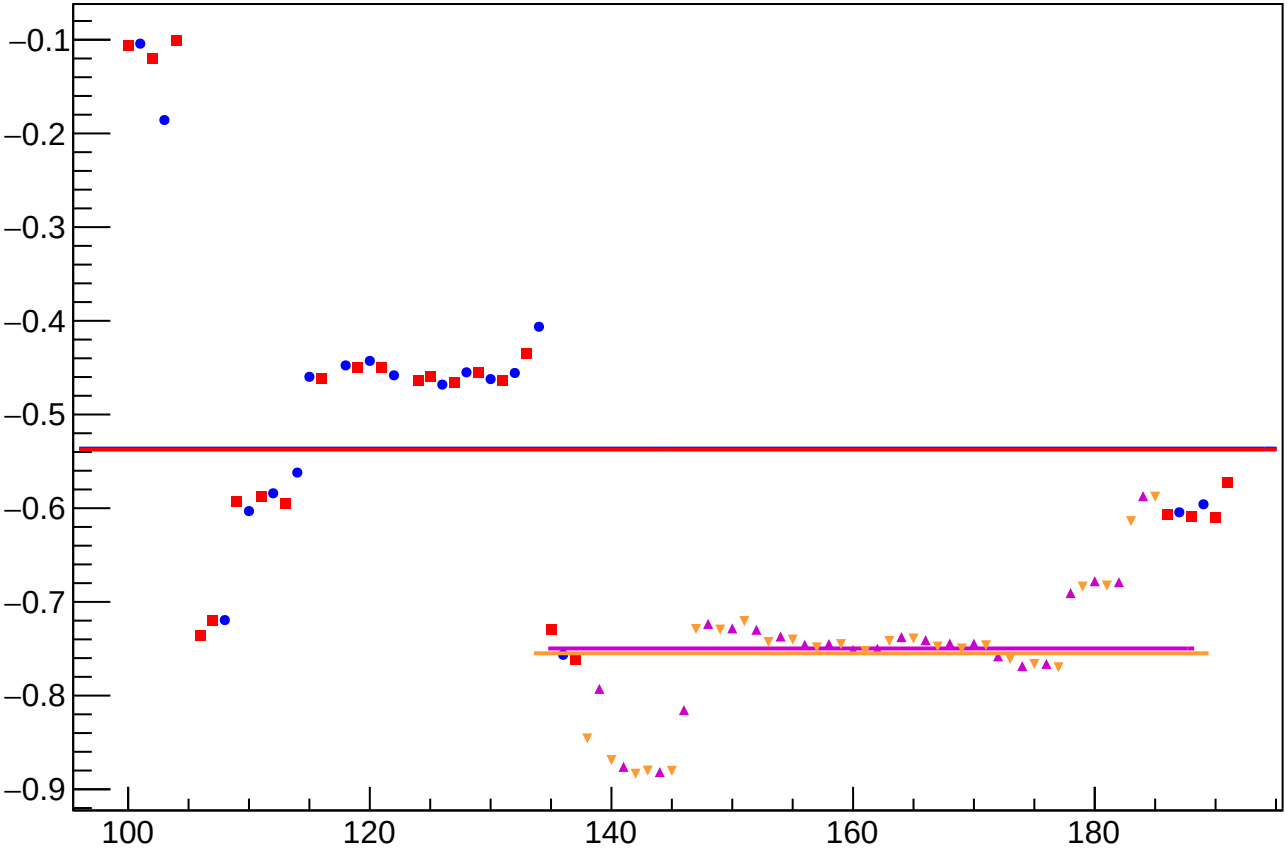
Left In: 0.291+/-0.000 χ^2/NDF:387524.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 49311944.1/42

All: 0.002+/-0.000 χ^2/NDF: 98474991.3/88

- sign 0.002+/-0.000 χ^2/NDF: 49163026.3/45

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: -0.537+/-0.000 χ^2/NDF: 217880780.6/22

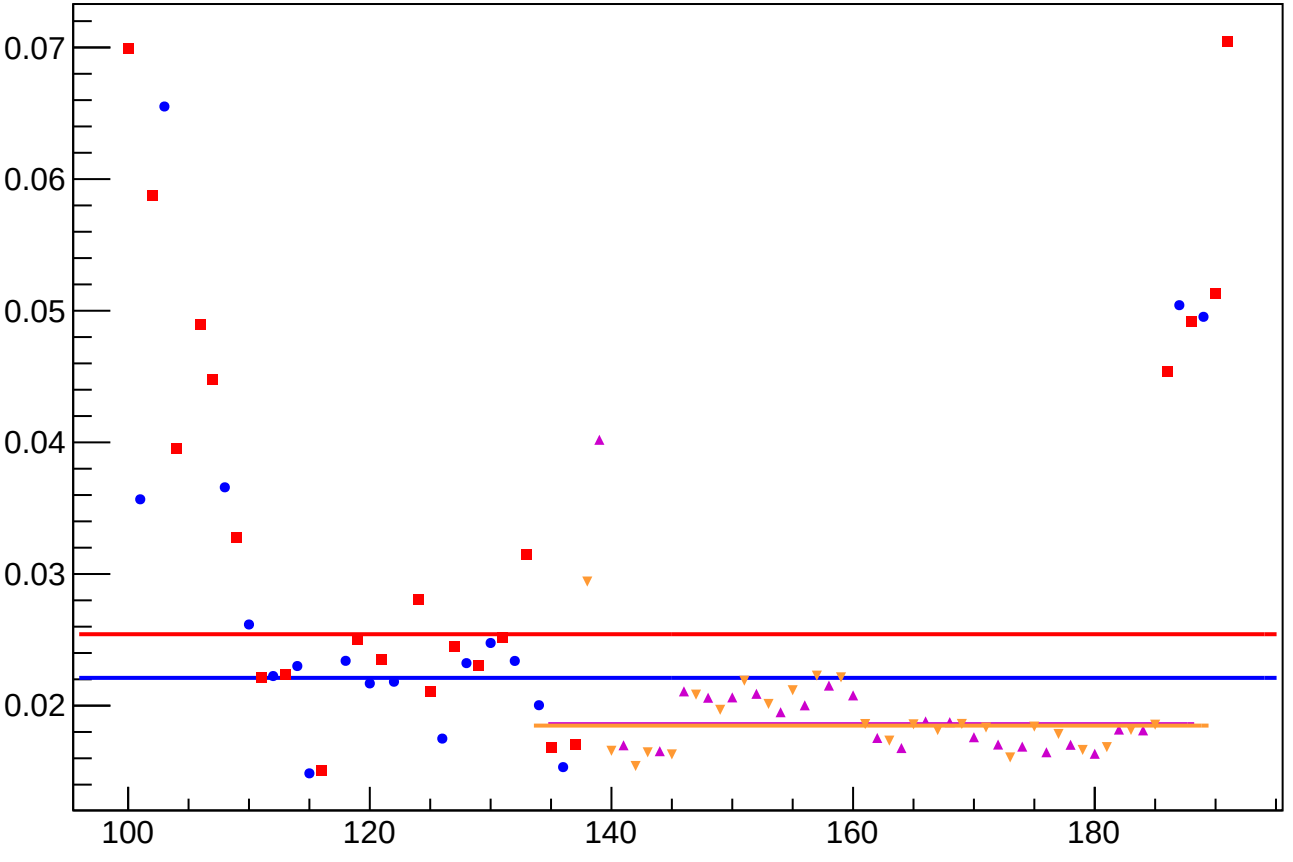
Left In: -0.750+/-0.000 χ^2/NDF:140839352.1/22

+ sign -0.710+/-0.000 χ^2/NDF: 964998495.0/42

All: -0.708+/-0.000 χ^2/NDF: 1710077553.4/8

- sign -0.707+/-0.000 χ^2/NDF: 744852119.3/45

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: 2281283.5/22

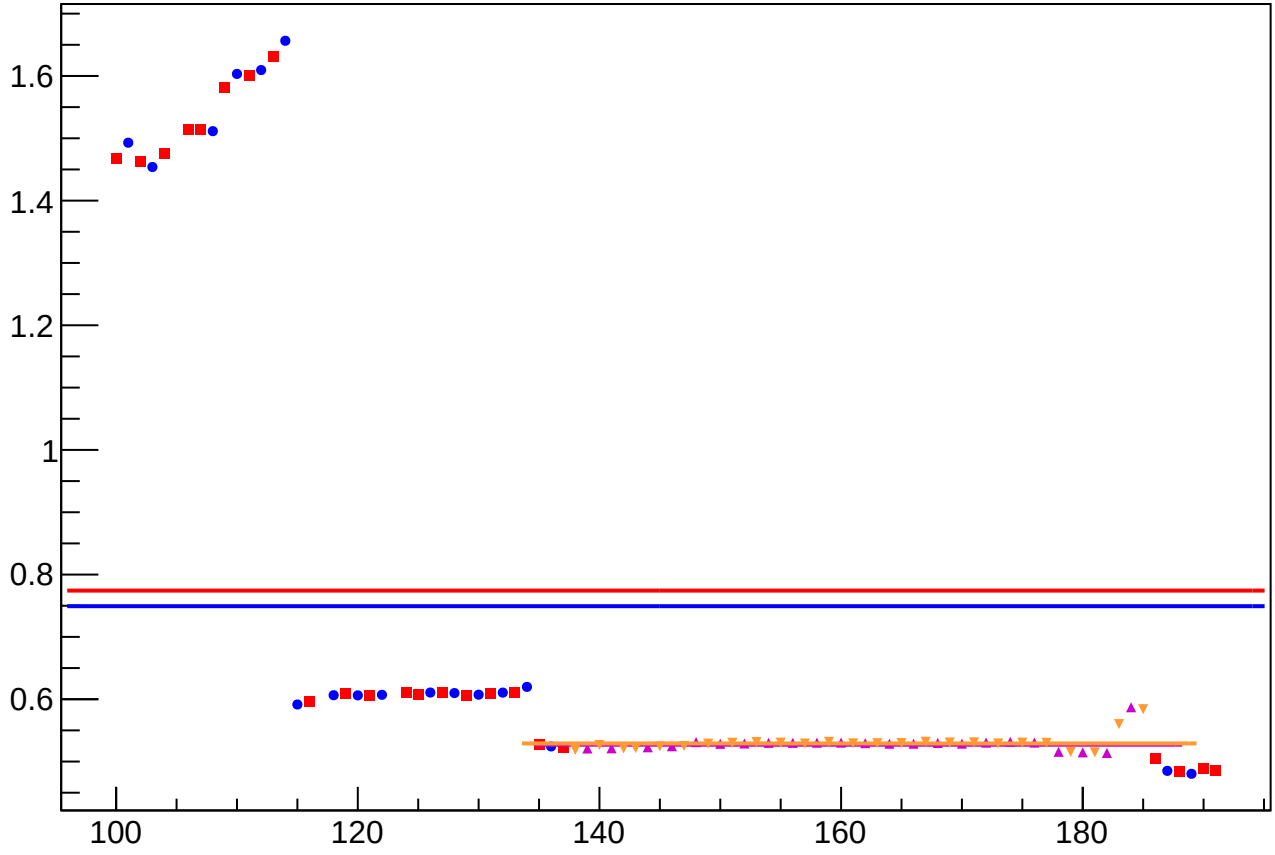
Left In: 0.019+/-0.000 χ^2/NDF:739183.3/22

+ sign 0.019+/-0.000 χ^2/NDF: 2314245.9/42

All: 0.020+/-0.000 χ^2/NDF: 6164273.1/88

- sign 0.020+/-0.000 χ^2/NDF: 3819880.6/45

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: 0.774+/-0.000 χ^2/NDF: 5115197830.7/22

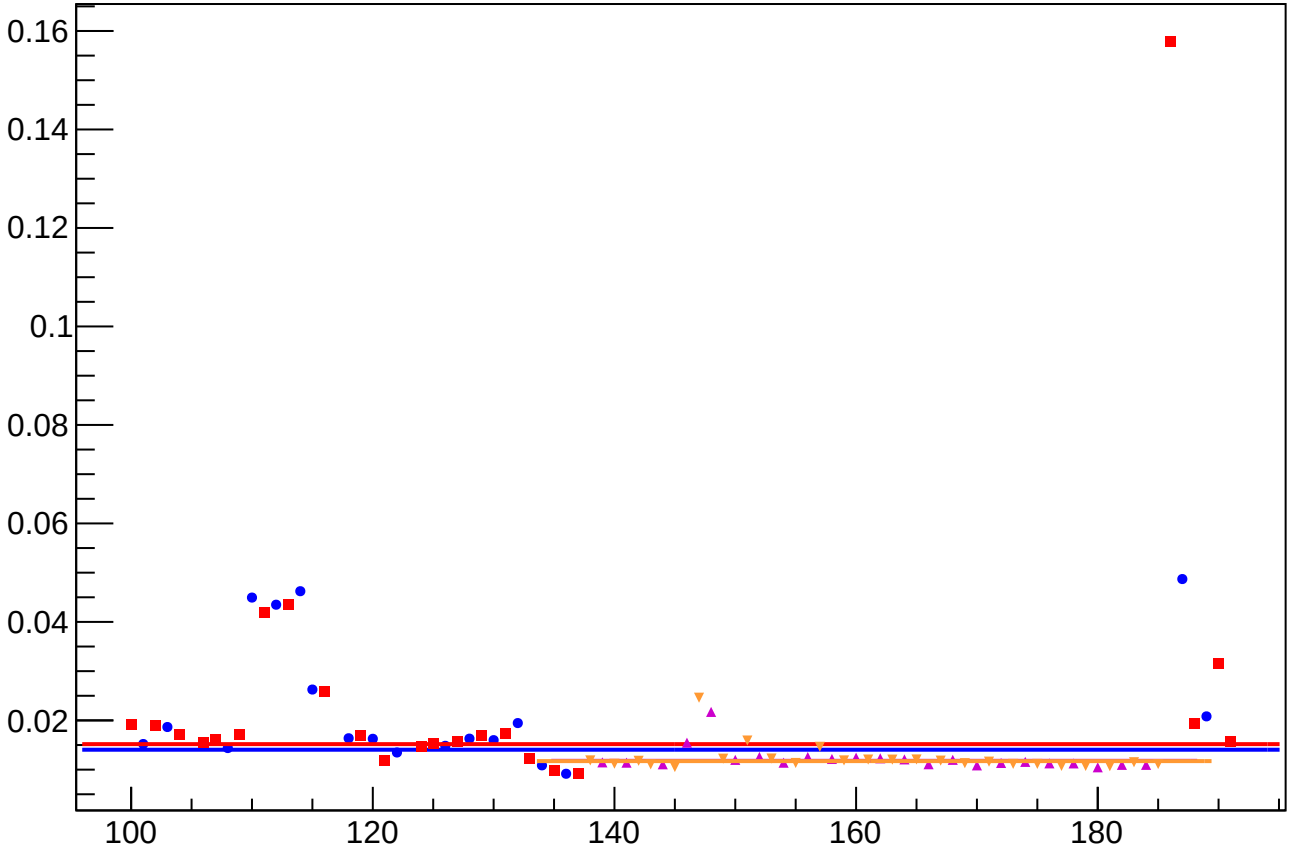
Left In: 0.527+/-0.000 χ^2/NDF:13035326.4/22

+ sign 0.572+/-0.000 χ^2/NDF: 5676741610.7/42

All: 0.575+/-0.000 χ^2/NDF: 12410467089.5/8

- sign 0.578+/-0.000 χ^2/NDF: 6730583812.3/45

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: 2352198.4/22

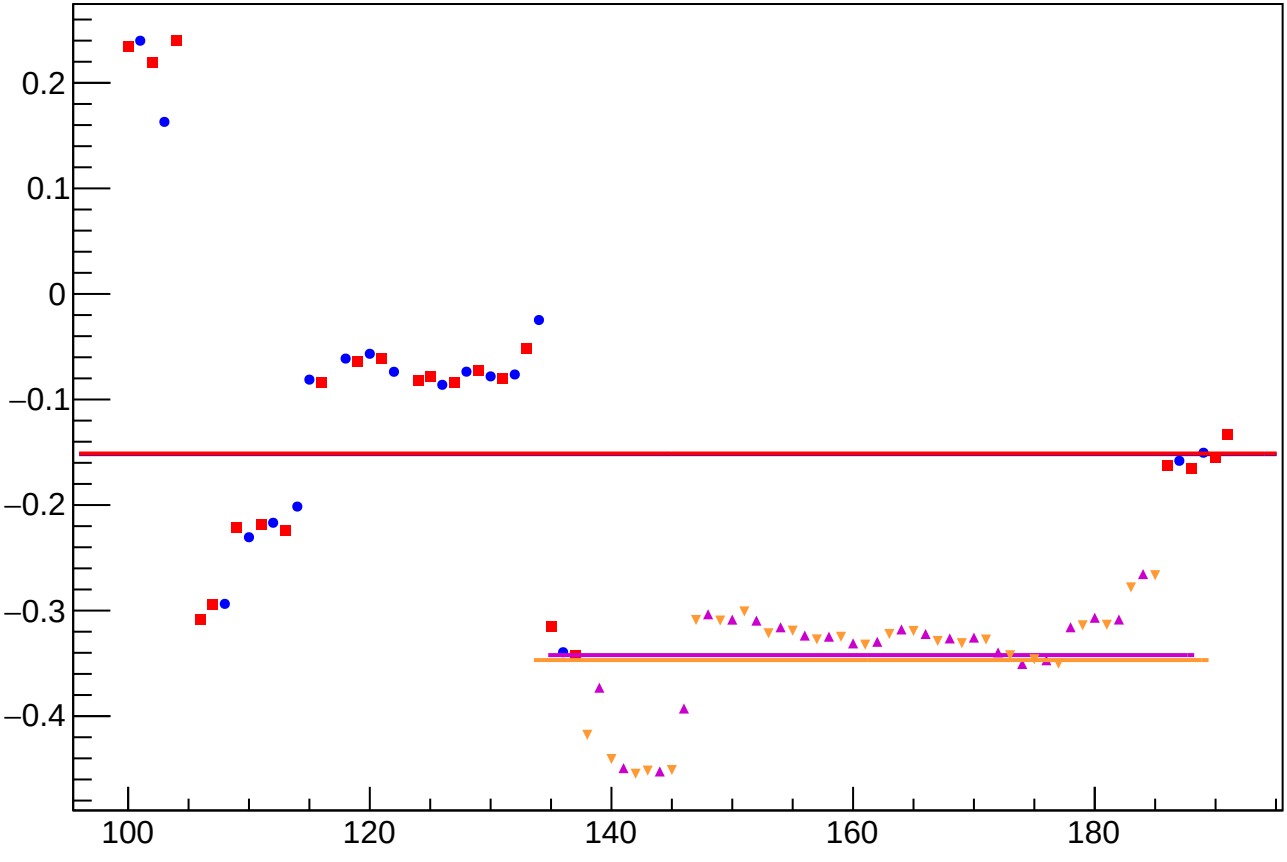
Left In: 0.012+/-0.000 χ^2/NDF:519826.8/22

+ sign 0.012+/-0.000 χ^2/NDF: 2912704.1/42

All: 0.012+/-0.000 χ^2/NDF: 6401908.3/88

- sign 0.012+/-0.000 χ^2/NDF: 3473783.4/45

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

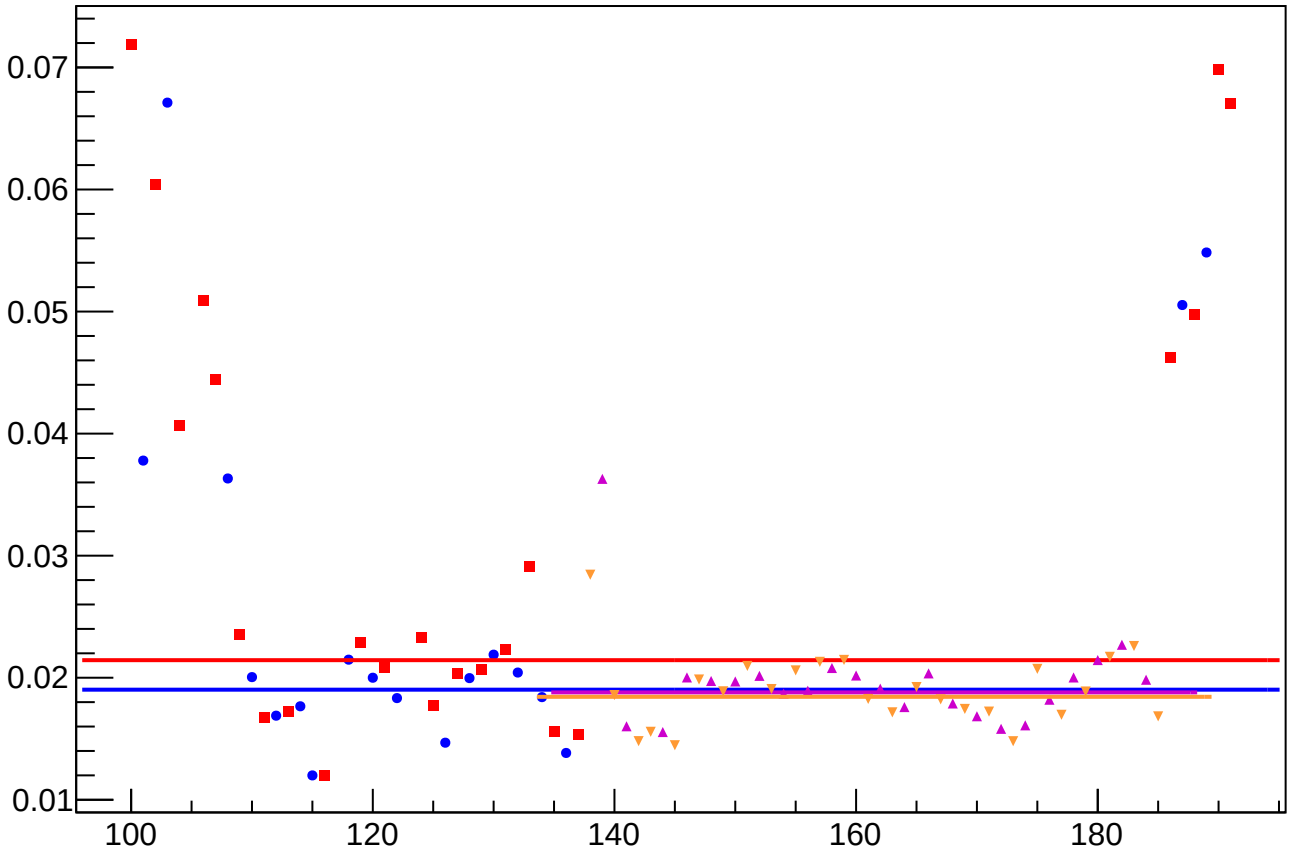
Right Out: -0.151+/-0.000 χ^2/NDF: 199527919.3/22

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: 1528814325.5/8

- sign -0.294+/-0.000 χ^2/NDF: 679623254.6/45



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: 2969071.3/22

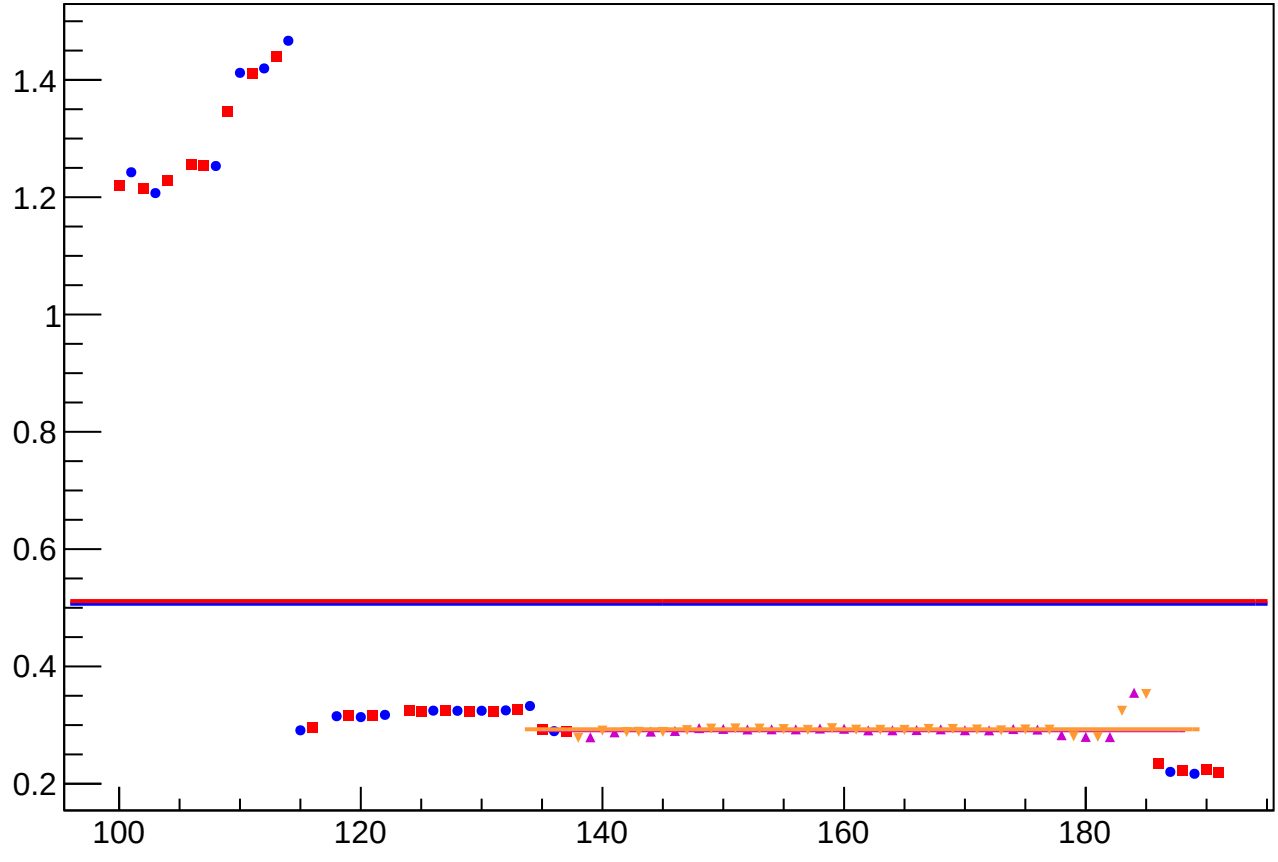
Left In: 0.019+/-0.000 χ^2/NDF:718726.0/22

+ sign 0.019+/-0.000 χ^2/NDF: 2587120.6/42

All: 0.019+/-0.000 χ^2/NDF: 6471022.7/88

- sign 0.019+/-0.000 χ^2/NDF: 3837529.9/45

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: 0.511+/-0.000 χ^2/NDF: 7346585042.0/22

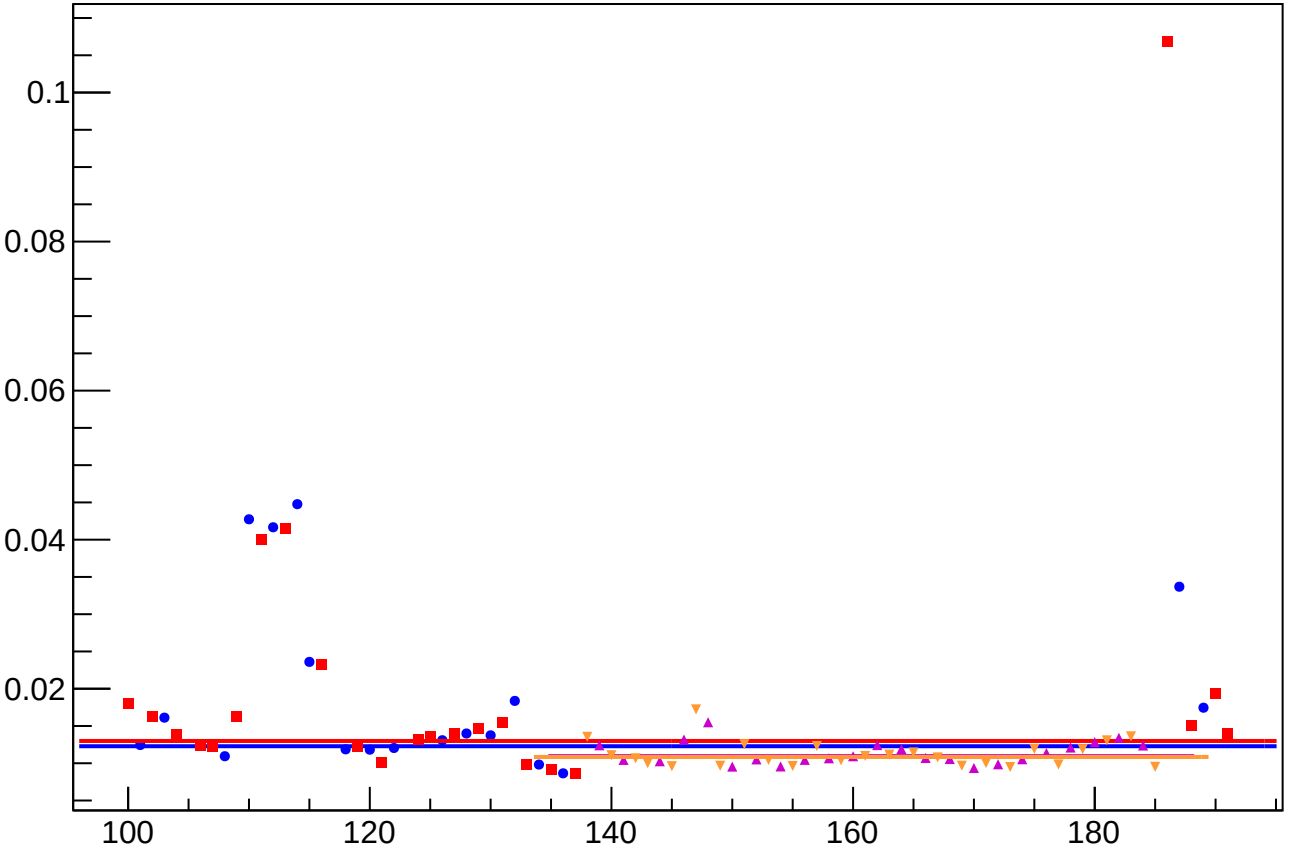
Left In: 0.291+/-0.000 χ^2/NDF:10282762.1/22

+ sign 0.339+/-0.000 χ^2/NDF: 8043024438.8/42

All: 0.341+/-0.000 χ^2/NDF: 17073468695.9/8

- sign 0.344+/-0.000 χ^2/NDF: 9028638217.0/45

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: 2148128.3/22

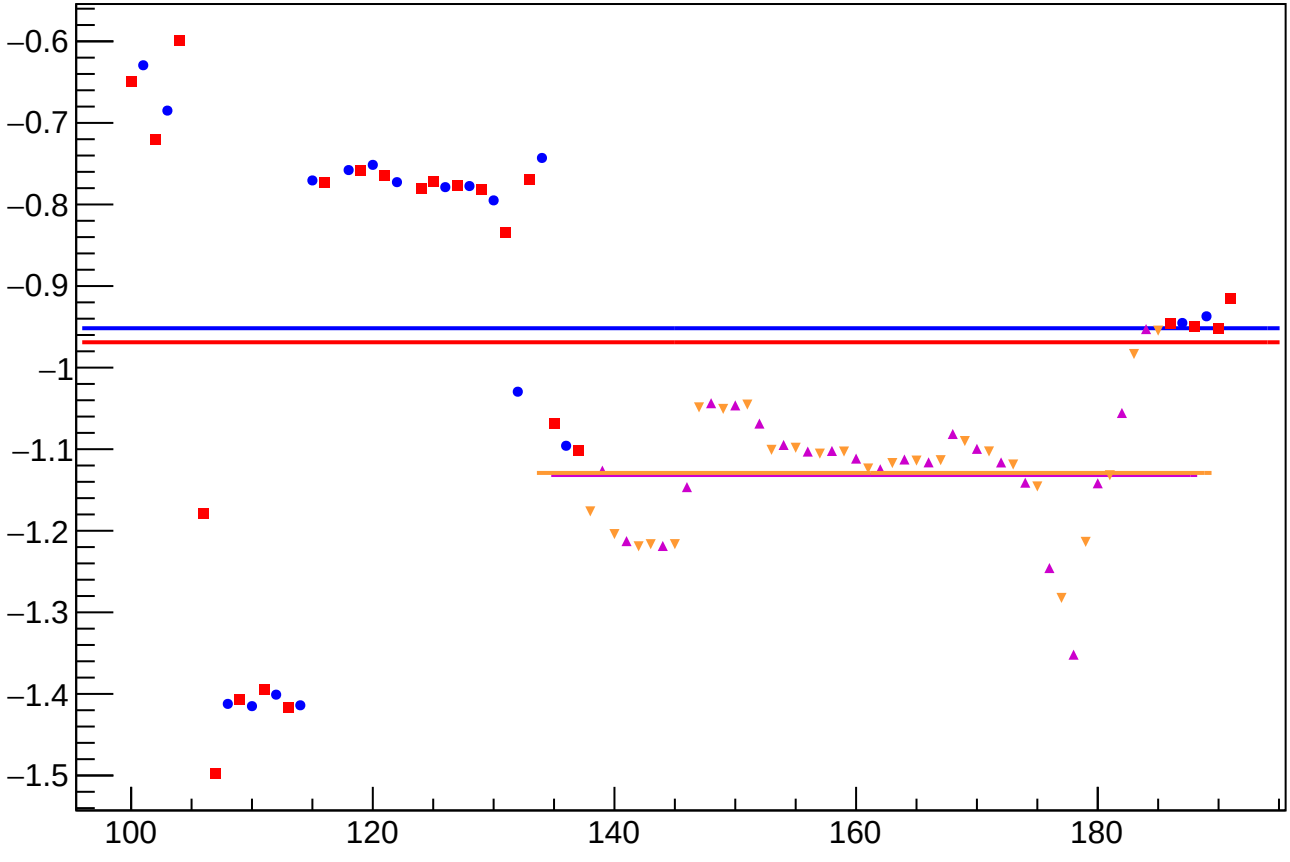
Left In: 0.011+/-0.000 χ^2/NDF:512130.1/22

+ sign 0.011+/-0.000 χ^2/NDF: 2524934.7/42

All: 0.011+/-0.000 χ^2/NDF: 5485830.0/88

- sign 0.011+/-0.000 χ^2/NDF: 2945302.6/45

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: 714982181.2/22

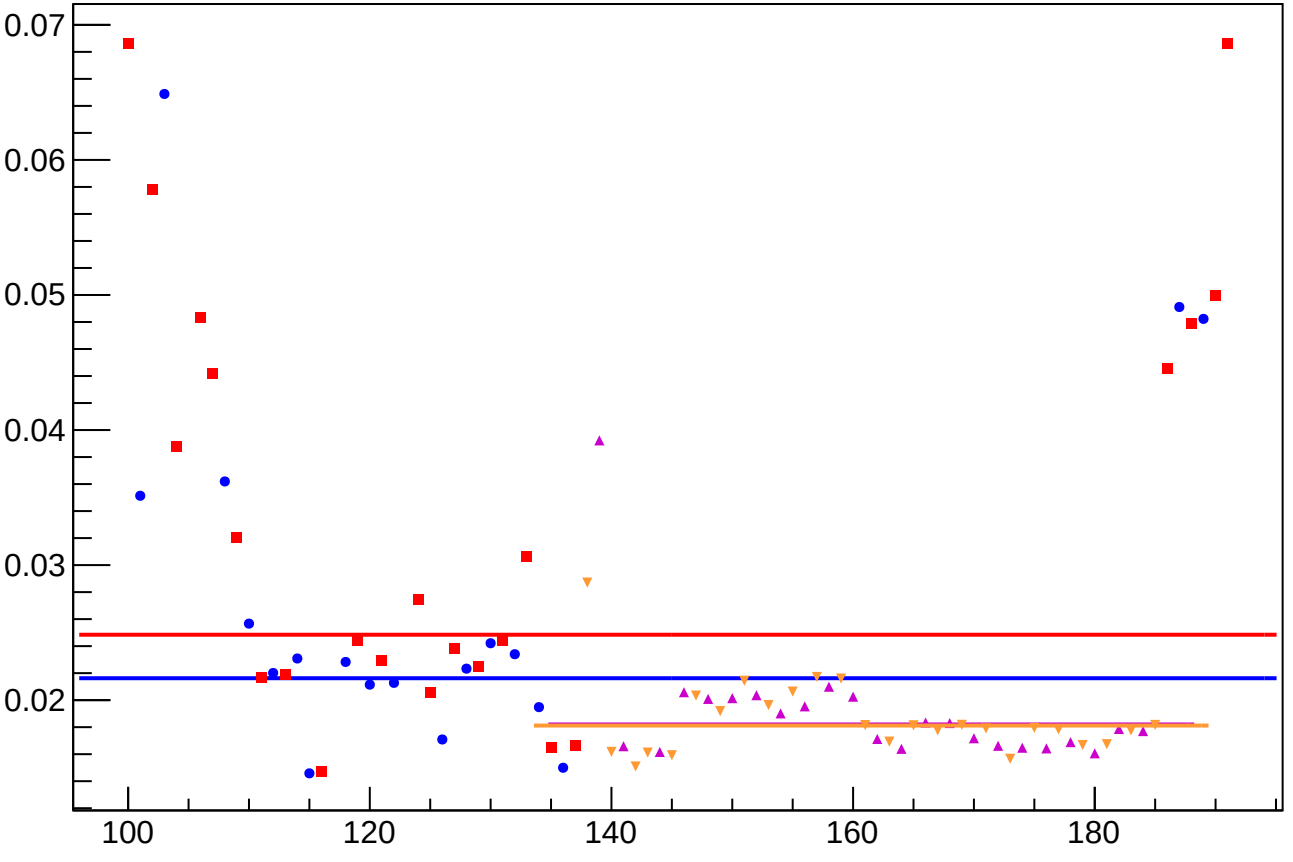
Left In: -1.132+/-0.000 χ^2/NDF:260075820.5/22

+ sign -1.092+/-0.000 χ^2/NDF: 1247622134.8/42

All: -1.095+/-0.000 χ^2/NDF: 2460778500.8/8

- sign -1.099+/-0.000 χ^2/NDF: 1211948246.4/45

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: 0.025+/-0.000 χ^2/NDF: 2281991.1/22

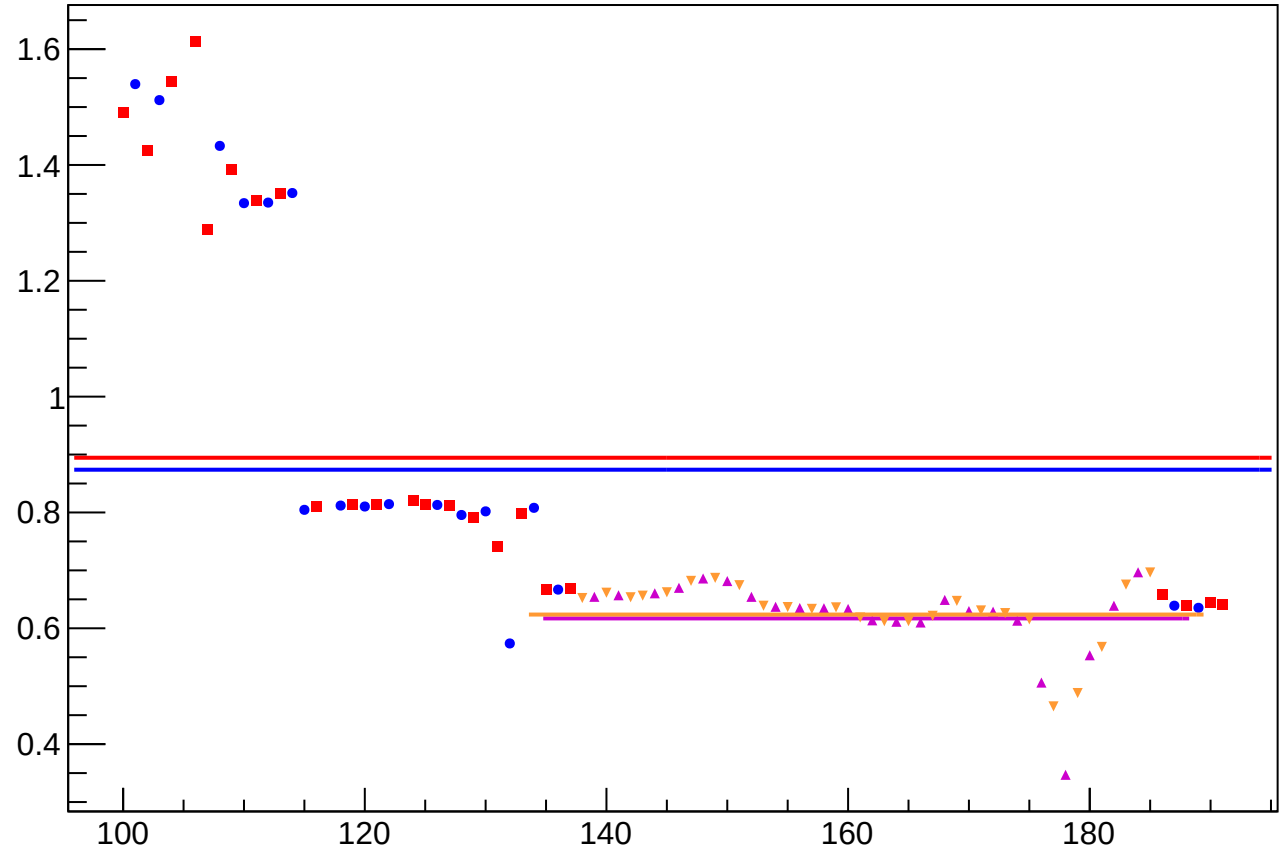
Left In: 0.018+/-0.000 χ^2/NDF:723957.3/22

+ sign 0.019+/-0.000 χ^2/NDF: 2300470.5/42

All: 0.019+/-0.000 χ^2/NDF: 6123951.9/88

- sign 0.020+/-0.000 χ^2/NDF: 3795623.1/45

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: 0.894+/-0.000 χ^2/NDF: 3034005924.4/22

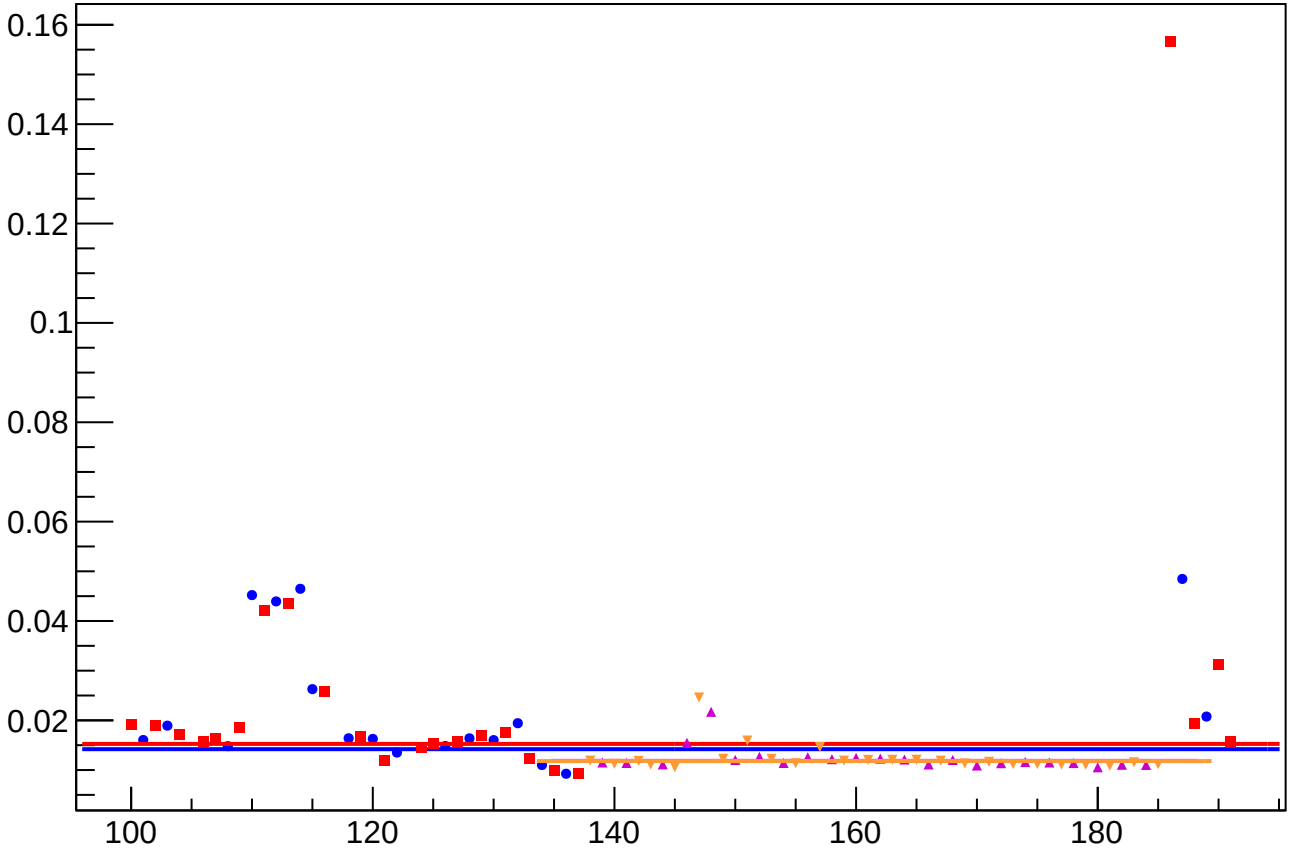
Left In: 0.617+/-0.000 χ^2/NDF:646297442.3/22

+ sign 0.672+/-0.000 χ^2/NDF: 4855733354.9/42

All: 0.673+/-0.000 χ^2/NDF: 10525596892.6/8

- sign 0.674+/-0.000 χ^2/NDF: 5669461635.0/45

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: 2351144.6/22

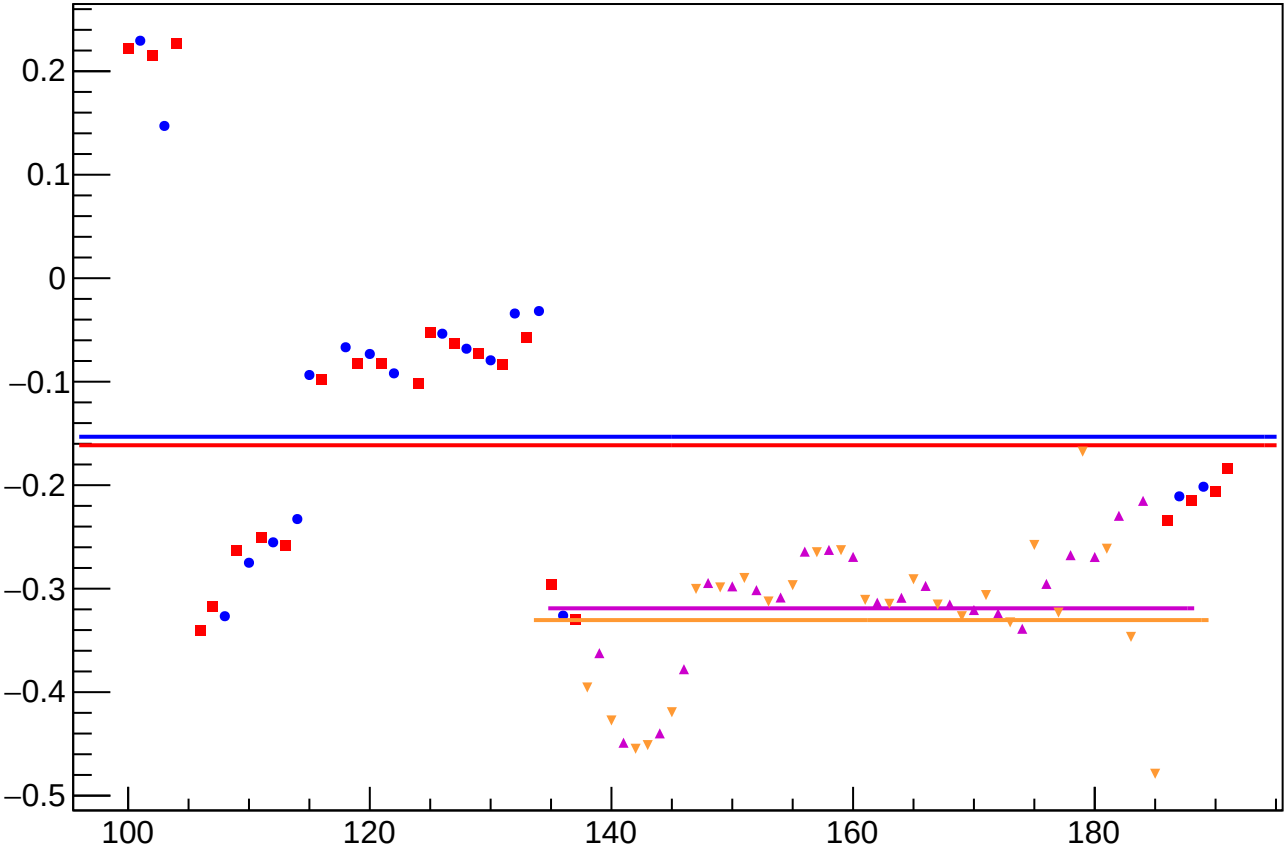
Left In: 0.012+/-0.000 χ^2/NDF:508762.0/22

+ sign 0.012+/-0.000 χ^2/NDF: 2888830.0/42

All: 0.012+/-0.000 χ^2/NDF: 6365401.8/88

- sign 0.013+/-0.000 χ^2/NDF: 3463843.3/45

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: 197810546.1/22

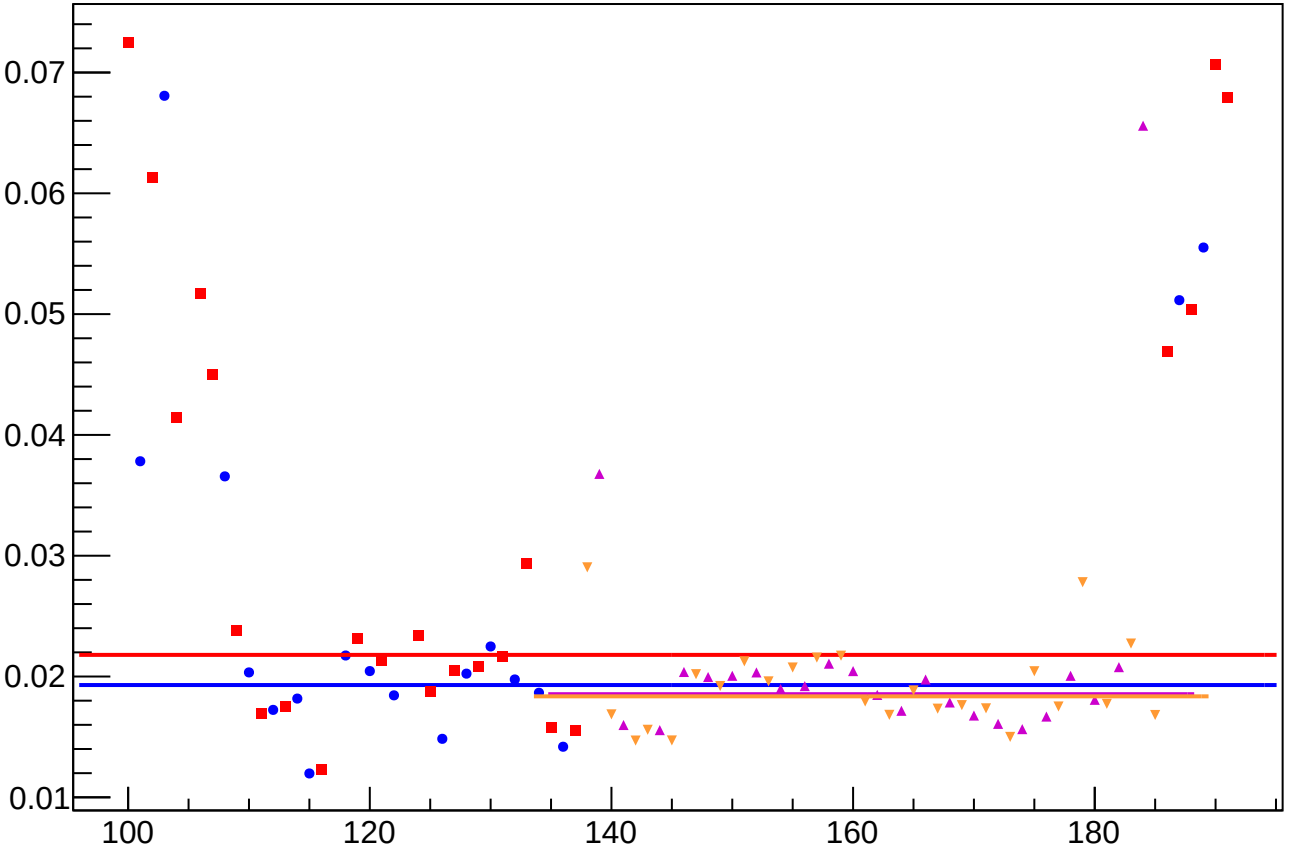
Left In: -0.319+/-0.000 χ^2/NDF:130589173.8/22

+ sign -0.286+/-0.000 χ^2/NDF: 815895208.4/42

All: -0.283+/-0.000 χ^2/NDF: 1405477518.9/8

- sign -0.280+/-0.000 χ^2/NDF: 588517239.8/45

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: 0.022+/-0.000 χ^2/NDF: 2944459.6/22

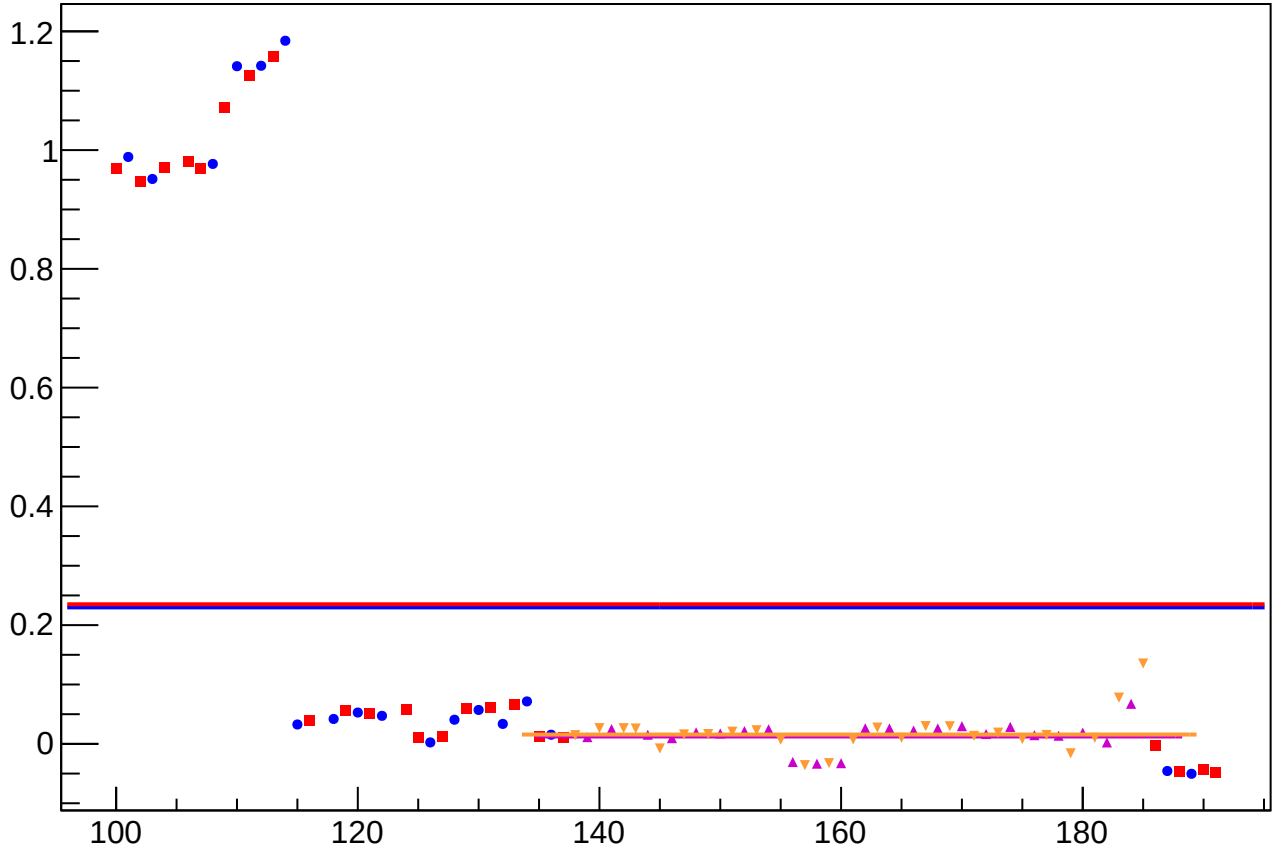
Left In: 0.019+/-0.000 χ^2/NDF:933807.9/22

+ sign 0.019+/-0.000 χ^2/NDF: 2672393.9/42

All: 0.019+/-0.000 χ^2/NDF: 6805360.6/88

- sign 0.019+/-0.000 χ^2/NDF: 4100201.6/45

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: 0.235+/-0.000 χ^2/NDF: 7342043242.4/22

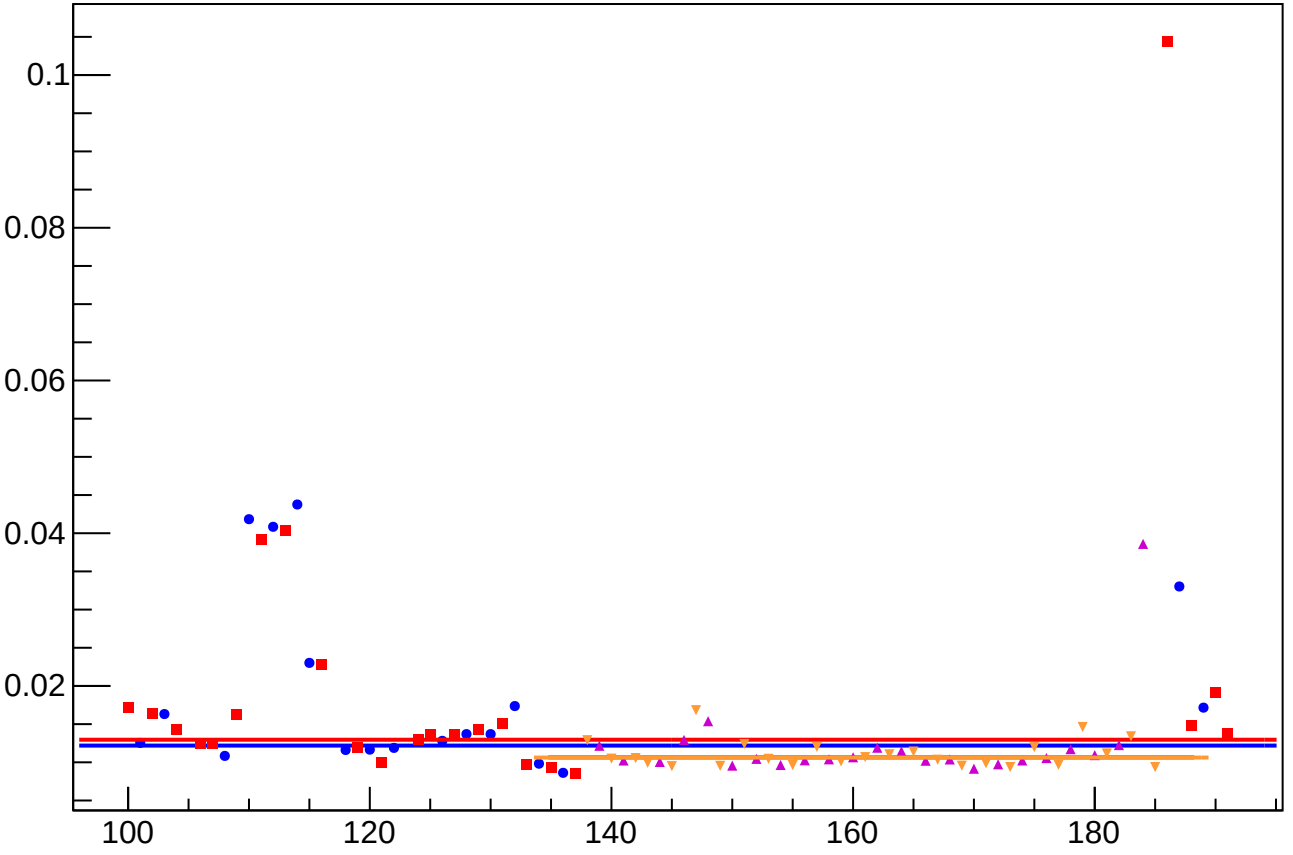
Left In: 0.012+/-0.000 χ^2/NDF:58674739.1/22

+ sign 0.062+/-0.000 χ^2/NDF: 8341943821.8/42

All: 0.063+/-0.000 χ^2/NDF: 17474894093.3/8

- sign 0.064+/-0.000 χ^2/NDF: 9132559762.9/45

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

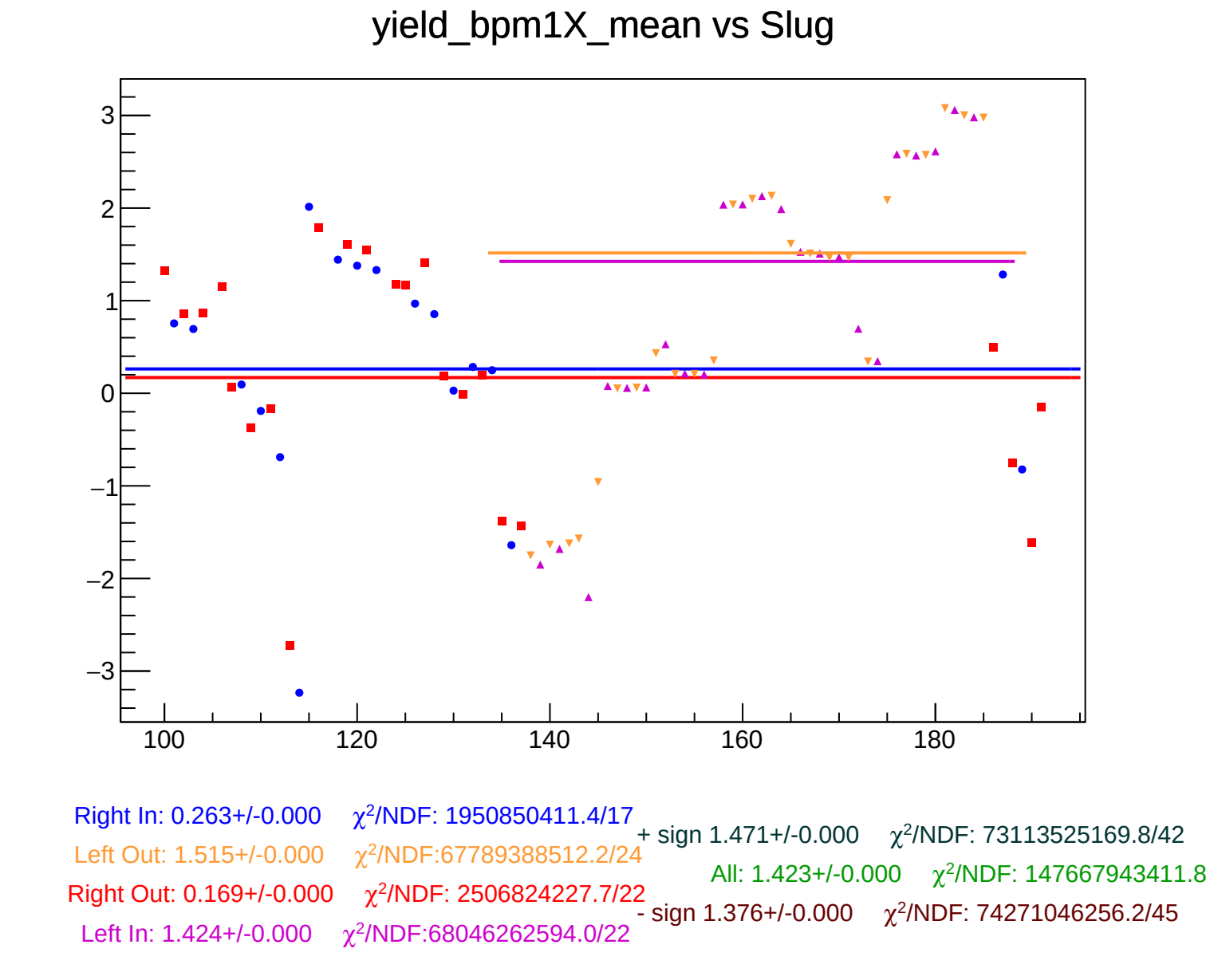
Right Out: 0.013+/-0.000 χ^2/NDF: 2092827.0/22

Left In: 0.011+/-0.000 χ^2/NDF:571950.9/22

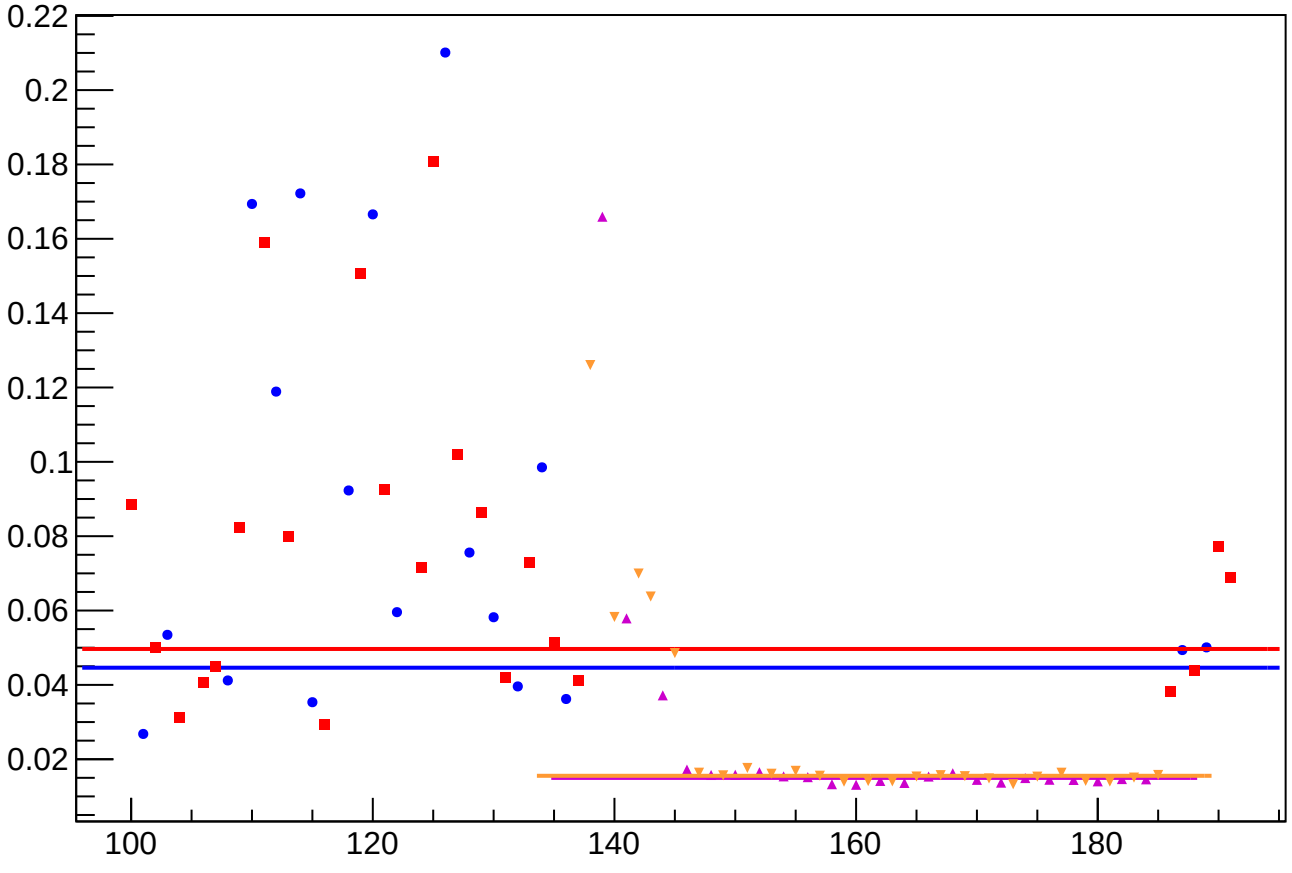
+ sign 0.011+/-0.000 χ^2/NDF: 2483640.1/42

All: 0.011+/-0.000 χ^2/NDF: 5532425.8/88

- sign 0.011+/-0.000 χ^2/NDF: 3039406.3/45


yield_bpm1X_mean vs Slug
3
2
1
0
−1
−2
−3
100
120
140
160
180
Right In: 0.263+/-0.000 χ²/NDF: 1950850411.4/17
Left Out: 1.515+/-0.000 χ²/NDF:67789388512.2/24
Right Out: 0.169+/-0.000 χ²/NDF: 2506824227.7/22
Left In: 1.424+/-0.000 χ²/NDF:68046262594.0/22
+ sign 1.471+/-0.000 χ²/NDF: 73113525169.8/42
All: 1.423+/-0.000 χ²/NDF: 147667943411.8
- sign 1.376+/-0.000 χ²/NDF: 74271046256.2/45

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

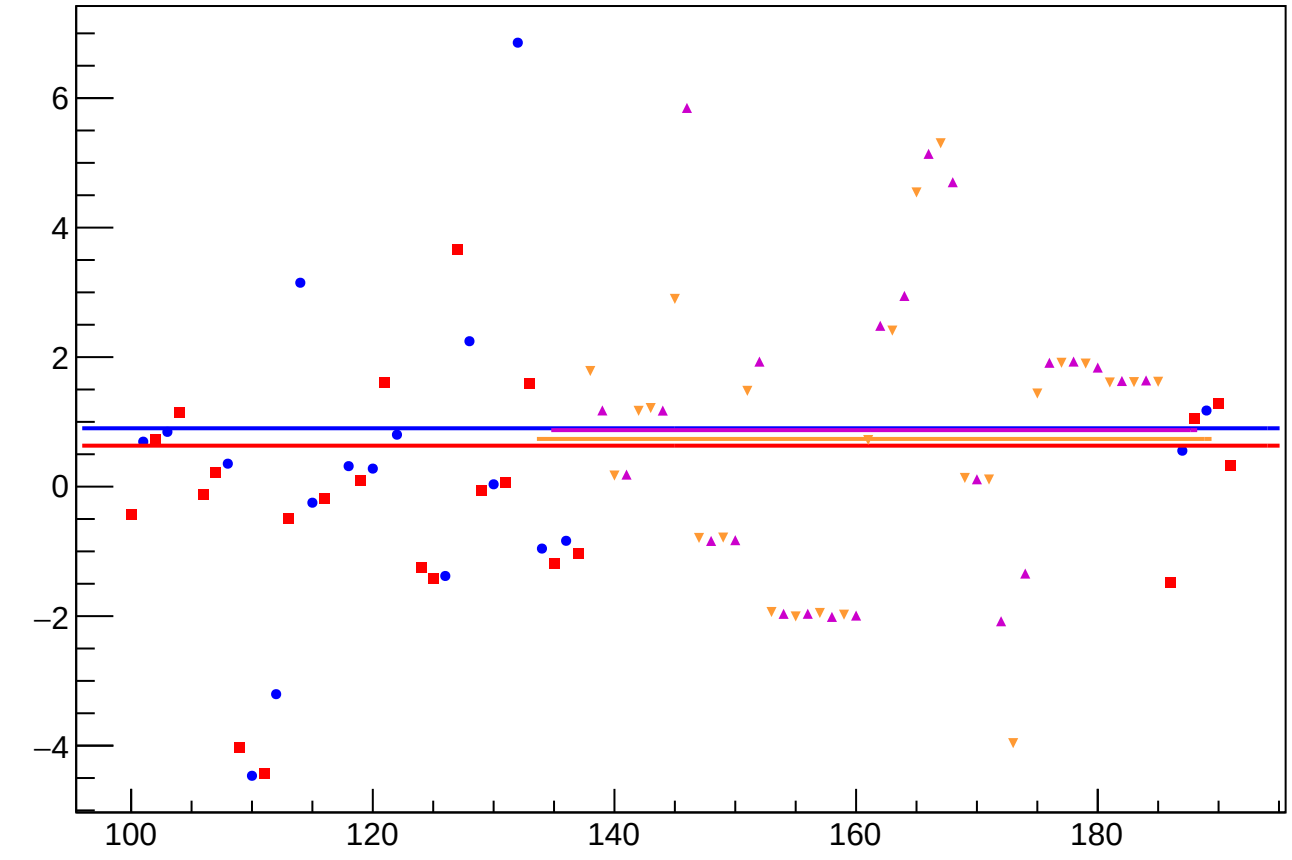
Right Out: 0.050+/-0.000 χ^2/NDF: 2593818.9/22

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: 19887900.8/88

- sign 0.016+/-0.000 χ^2/NDF: 10459808.0/45



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: 0.633+/-0.000 χ^2/NDF: 5939841104.0/22

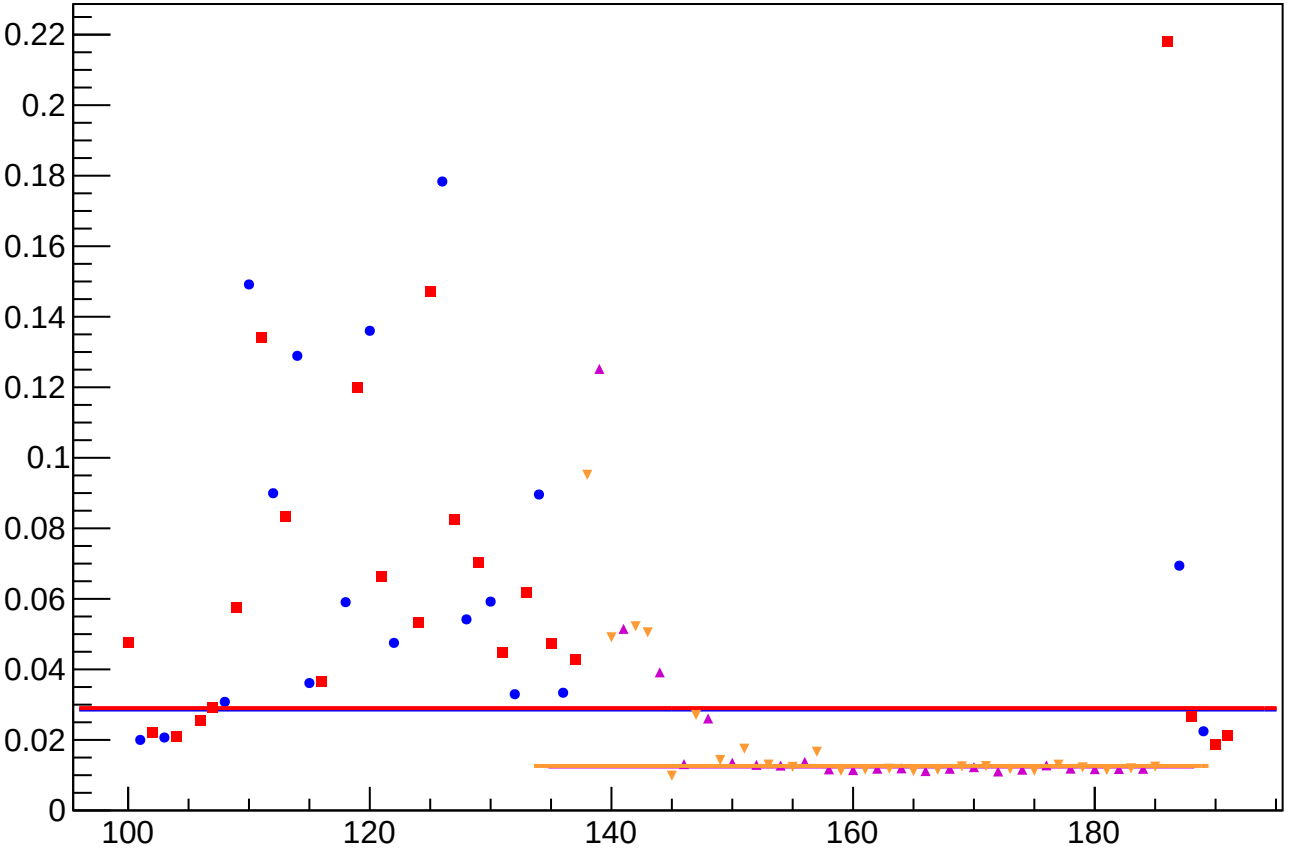
Left In: 0.872+/-0.000 χ^2/NDF:620161319368.2/22

+ sign 0.745+/-0.000 χ^2/NDF: 547744612768.8/42

All: 0.802+/-0.000 χ^2/NDF: 1174863807017.

- sign 0.858+/-0.000 χ^2/NDF: 626445011565.2/45

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: 0.029+/-0.000 χ^2/NDF: 4225310.0/22

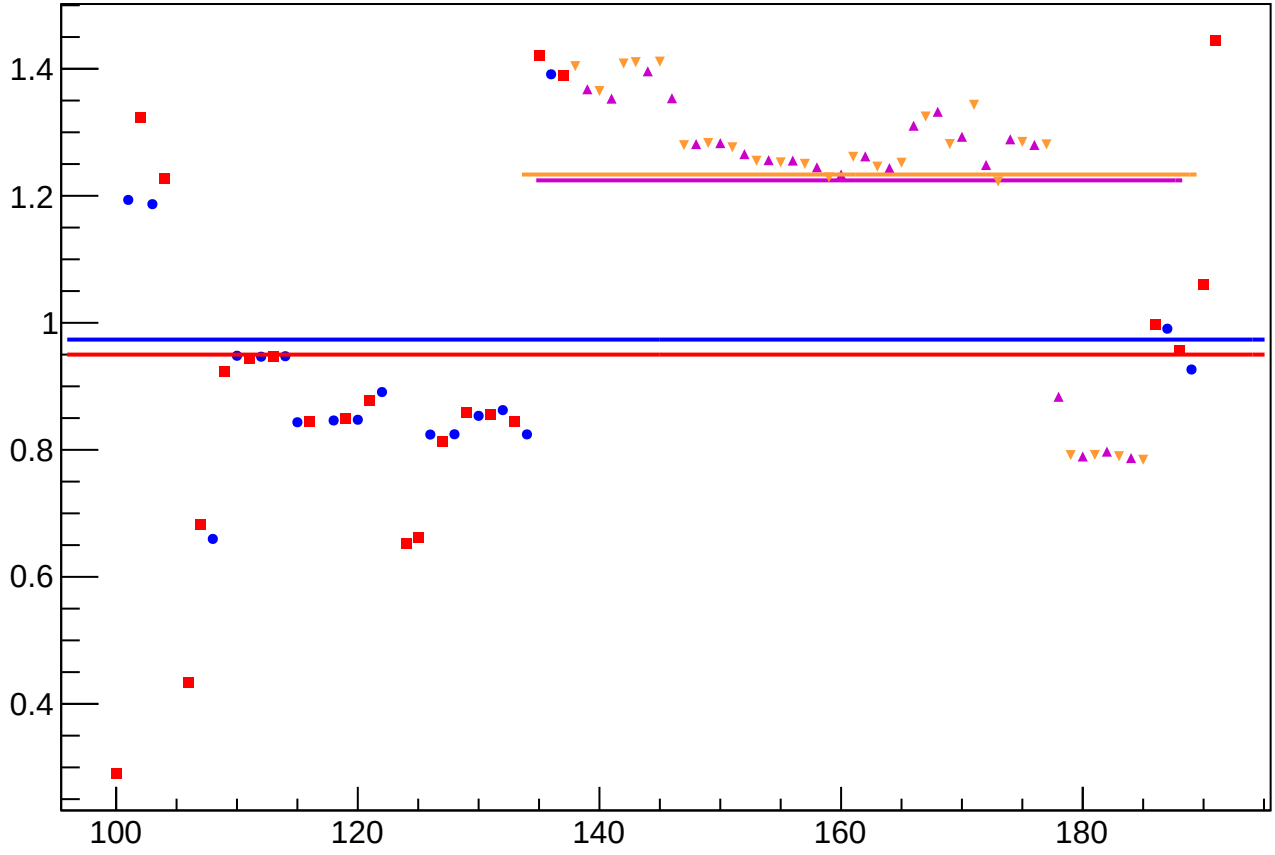
Left In: 0.012+/-0.000 χ^2/NDF:2756702.2/22

+ sign 0.013+/-0.000 χ^2/NDF: 9051253.0/42

All: 0.013+/-0.000 χ^2/NDF: 19315040.2/88

- sign 0.013+/-0.000 χ^2/NDF: 10263501.6/45

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: 0.950+/-0.000 χ^2/NDF: 1749743183.9/22

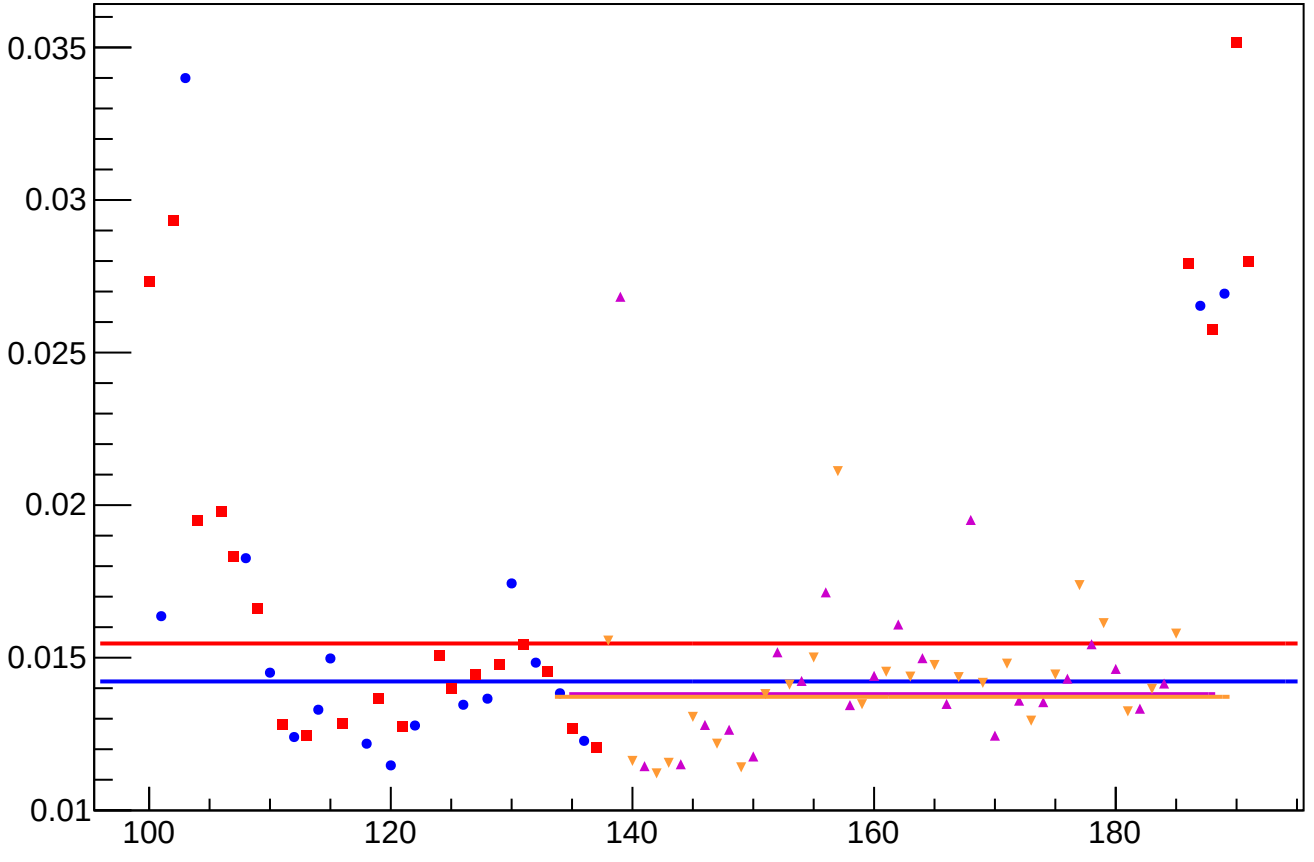
Left In: 1.224+/-0.000 χ^2/NDF:2653773297.1/22

+ sign 1.163+/-0.000 χ^2/NDF: 6146908240.8/42

All: 1.156+/-0.000 χ^2/NDF: 12355385143.8/8

- sign 1.148+/-0.000 χ^2/NDF: 6193596860.1/45

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: 1353520.3/22

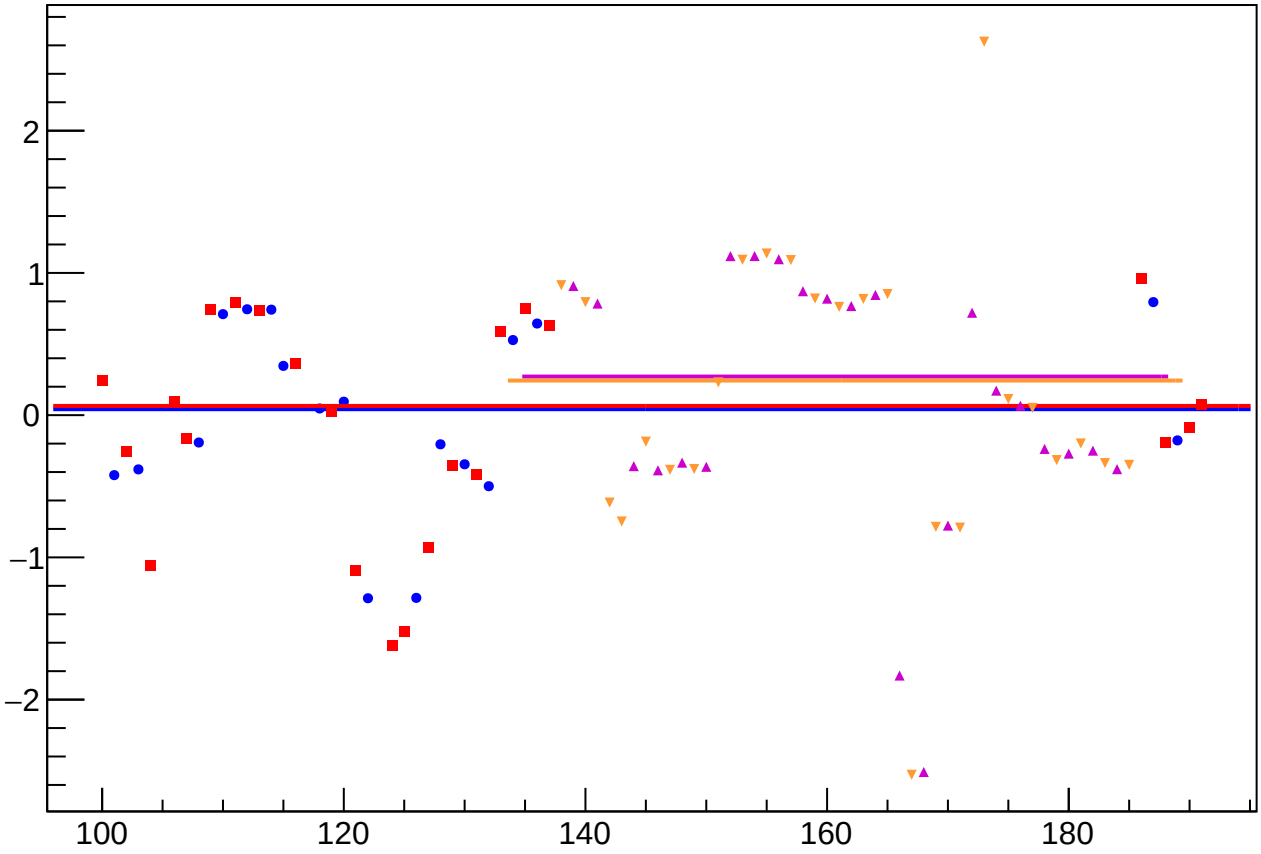
Left In: 0.014+/-0.000 χ^2/NDF:870104.2/22

+ sign 0.014+/-0.000 χ^2/NDF: 1467301.4/42

All: 0.014+/-0.000 χ^2/NDF: 3842913.0/88

- sign 0.014+/-0.000 χ^2/NDF: 2354851.8/45

yield_bpm11Y_mean vs Slug



Right In: 0.042+/-0.000 χ^2/NDF: 11185211109.0/17

Left Out: 0.243+/-0.000 χ^2/NDF:105591710525.9/24

Right Out: 0.065+/-0.000 χ^2/NDF: 18020631816.6/22

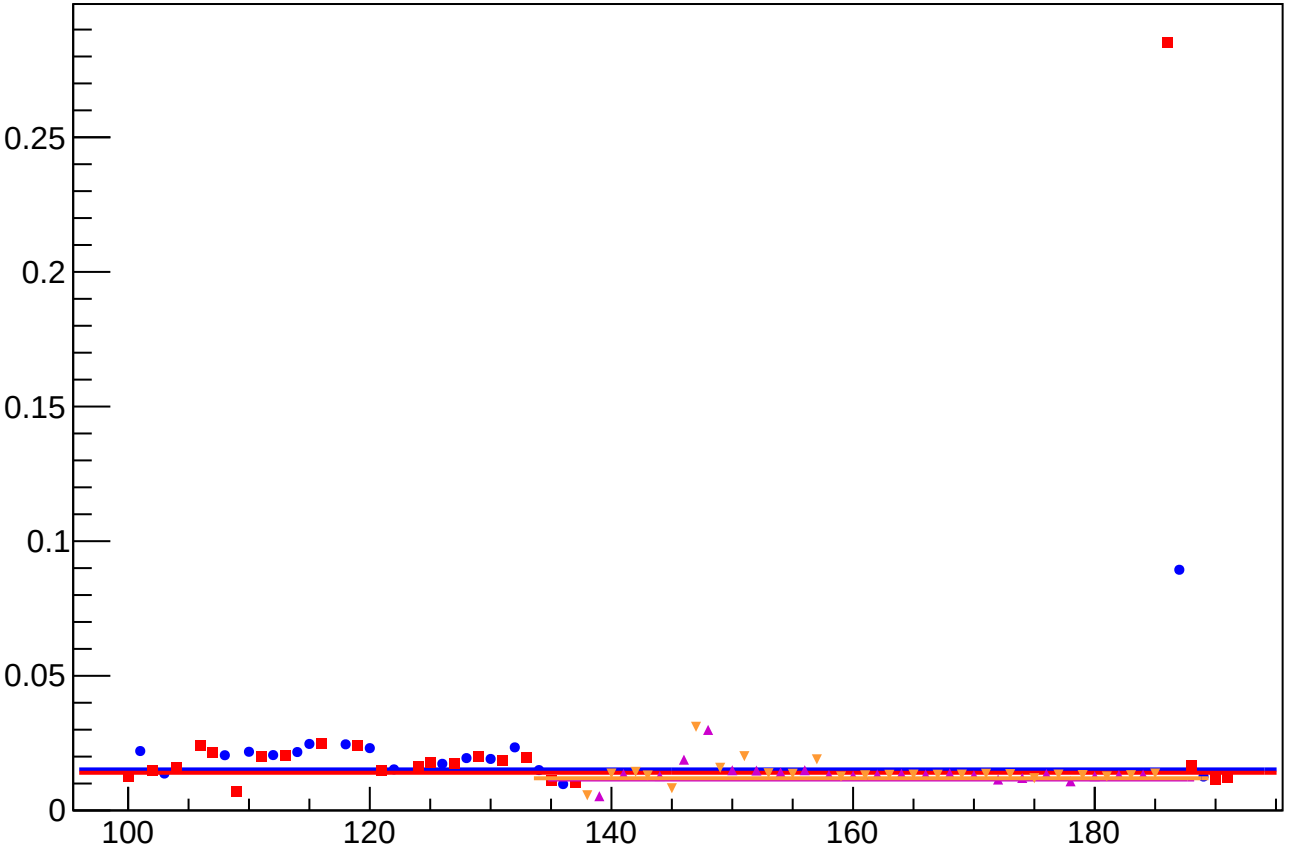
Left In: 0.271+/-0.000 χ^2/NDF:90500933388.6/22

+ sign 0.205+/-0.000 χ^2/NDF: 117687204094.2/42

All: 0.214+/-0.000 χ^2/NDF: 227410510943.0

- sign 0.223+/-0.000 χ^2/NDF: 109698474802.0/45

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

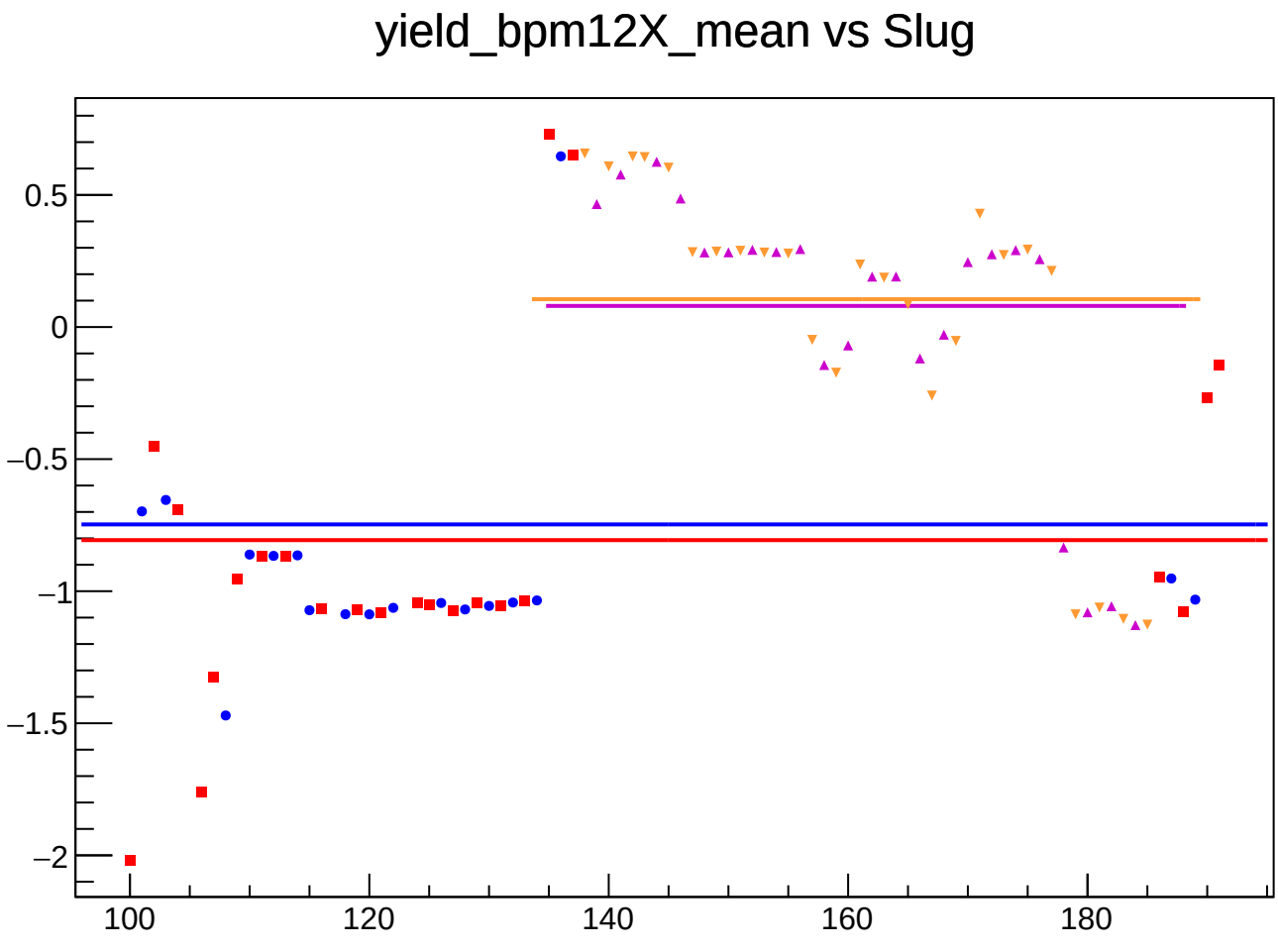
Right Out: 0.014+/-0.000 χ^2/NDF: 2444734.5/22

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: 11831407.3/88

- sign 0.012+/-0.000 χ^2/NDF: 6463423.0/45



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: -0.807+/-0.000 χ^2/NDF: 1945403130.9/22

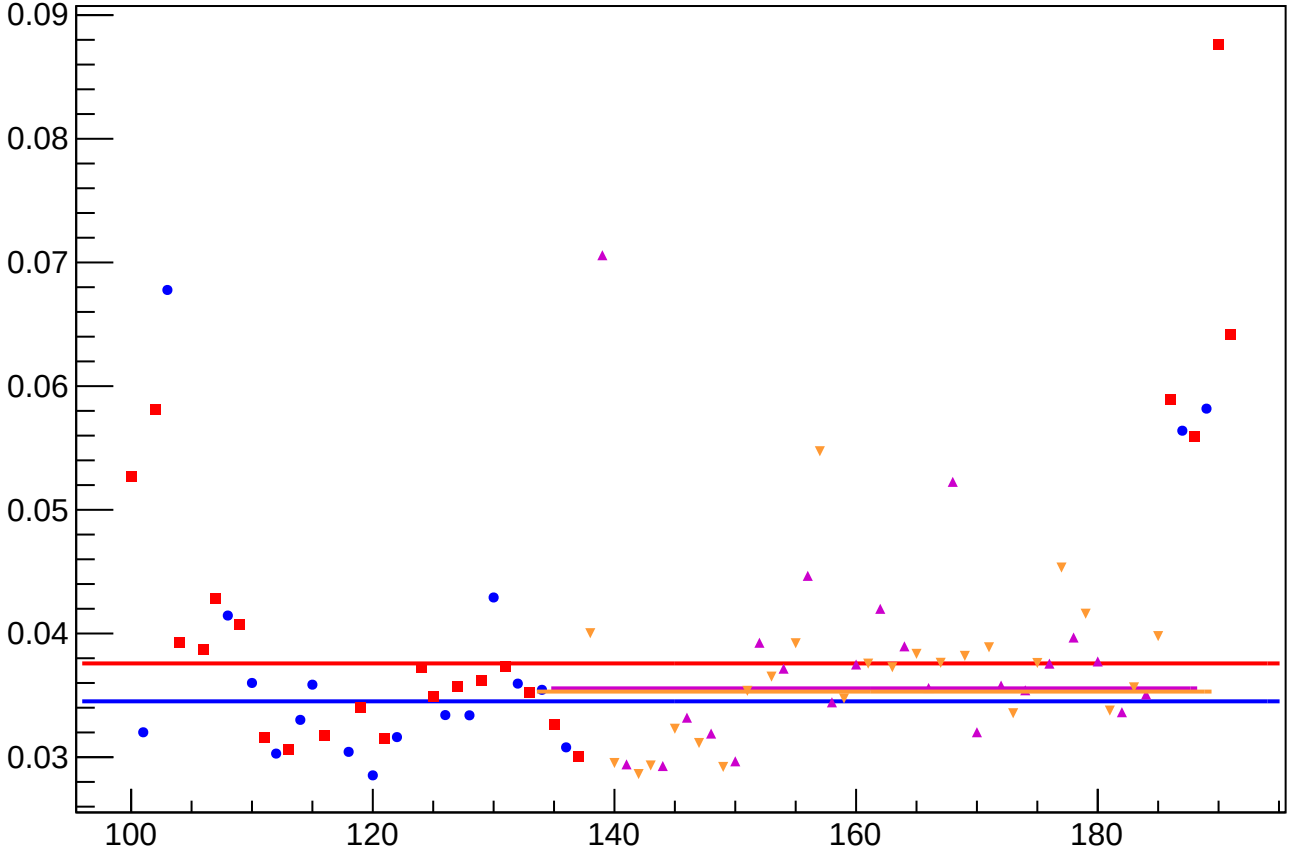
Left In: 0.080+/-0.000 χ^2/NDF:3269598614.0/22

+ sign -0.150+/-0.000 χ^2/NDF: 8806528467.4/42

All: -0.171+/-0.000 χ^2/NDF: 17126957833.5/

- sign -0.194+/-0.000 χ^2/NDF: 8302083179.6/45

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

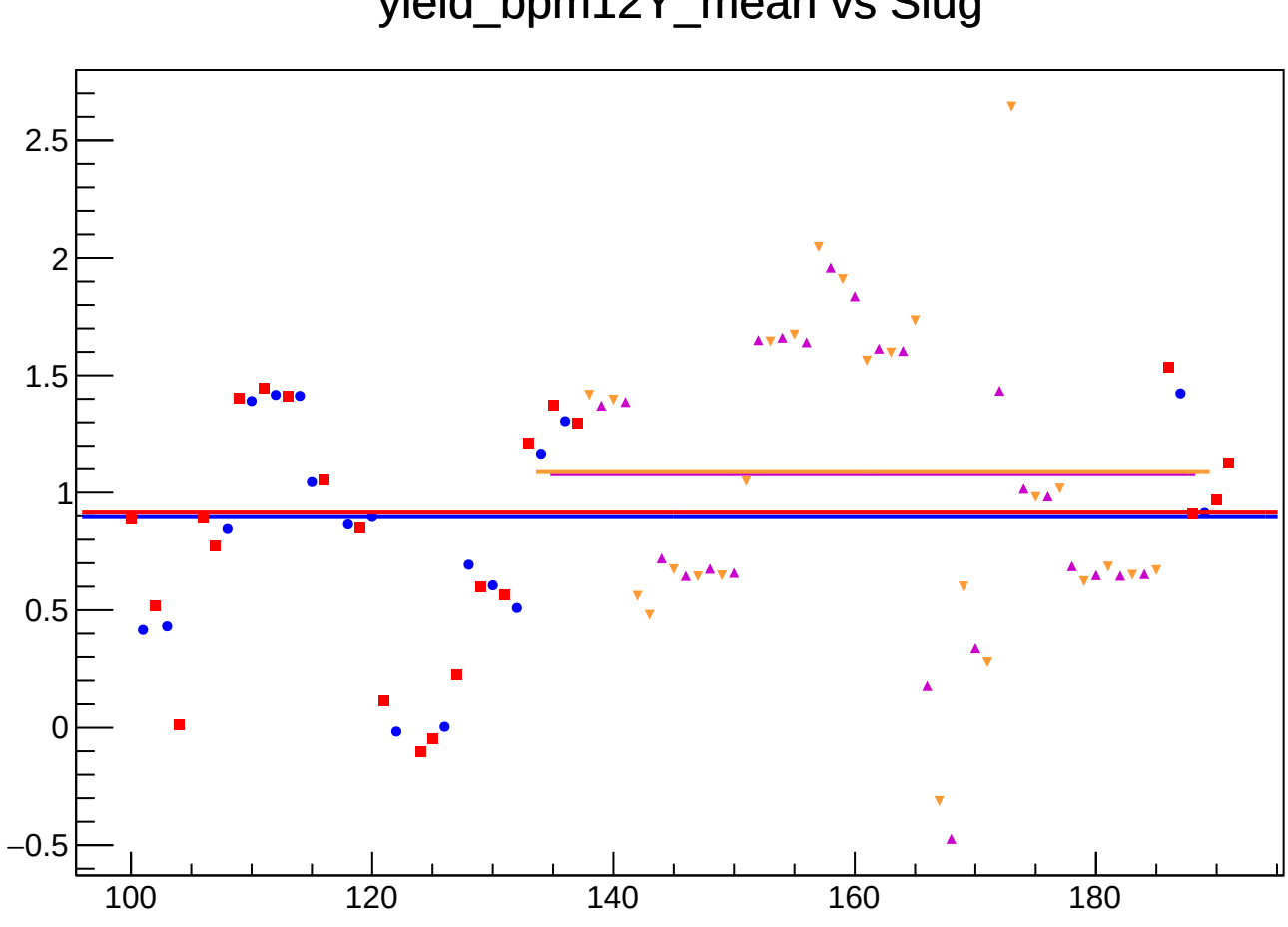
Right Out: 0.038+/-0.000 χ^2/NDF: 942210.4/22

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: 3217681.7/88

- sign 0.036+/-0.000 χ^2/NDF: 1934559.0/45



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: 0.916+/-0.000 χ^2/NDF: 18047745669.8/22

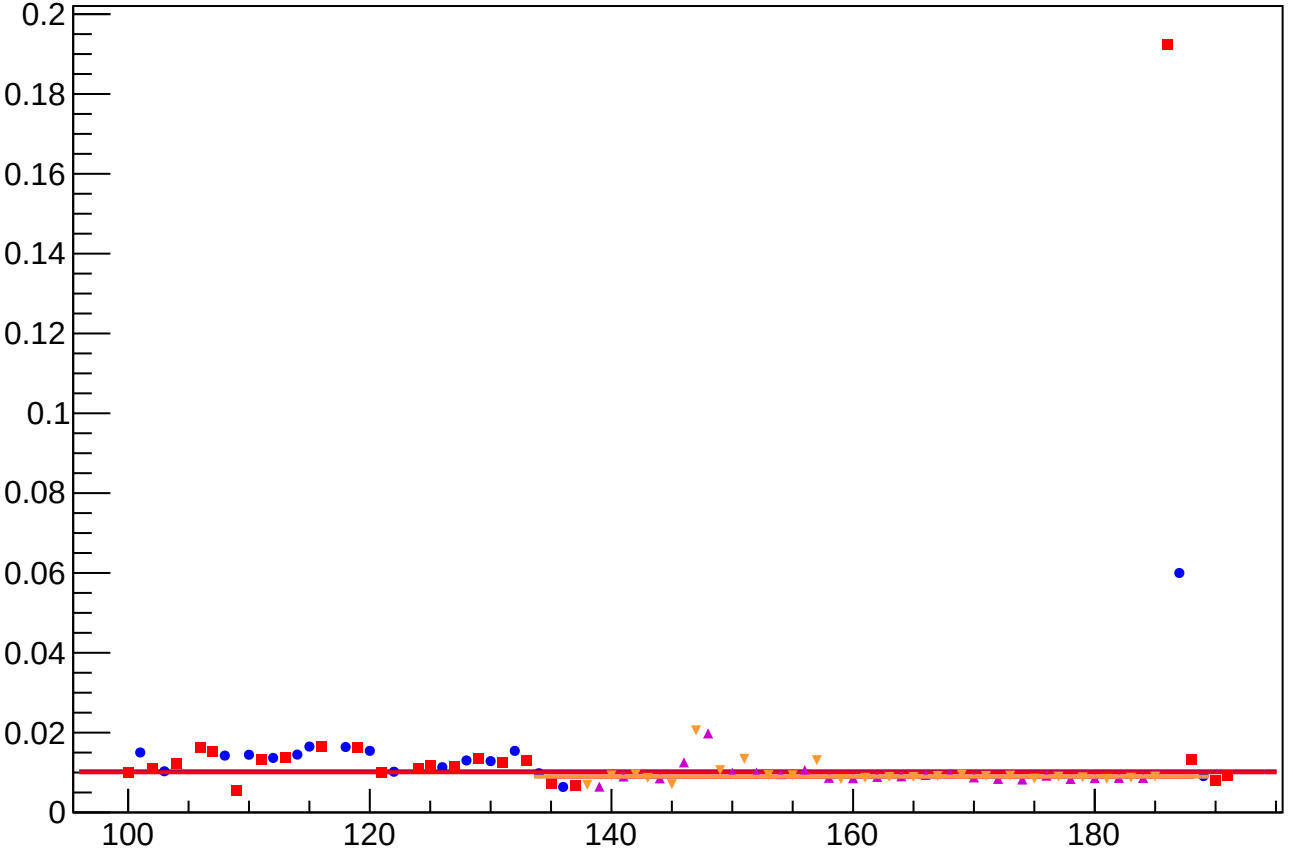
Left In: 1.079+/-0.000 χ^2/NDF:74081002727.0/22

+ sign 1.047+/-0.000 χ^2/NDF: 108367271702.0/42

All: 1.042+/-0.000 χ^2/NDF: 201937202288.1

- sign 1.037+/-0.000 χ^2/NDF: 93557027093.6/45

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: 2141069.1/22

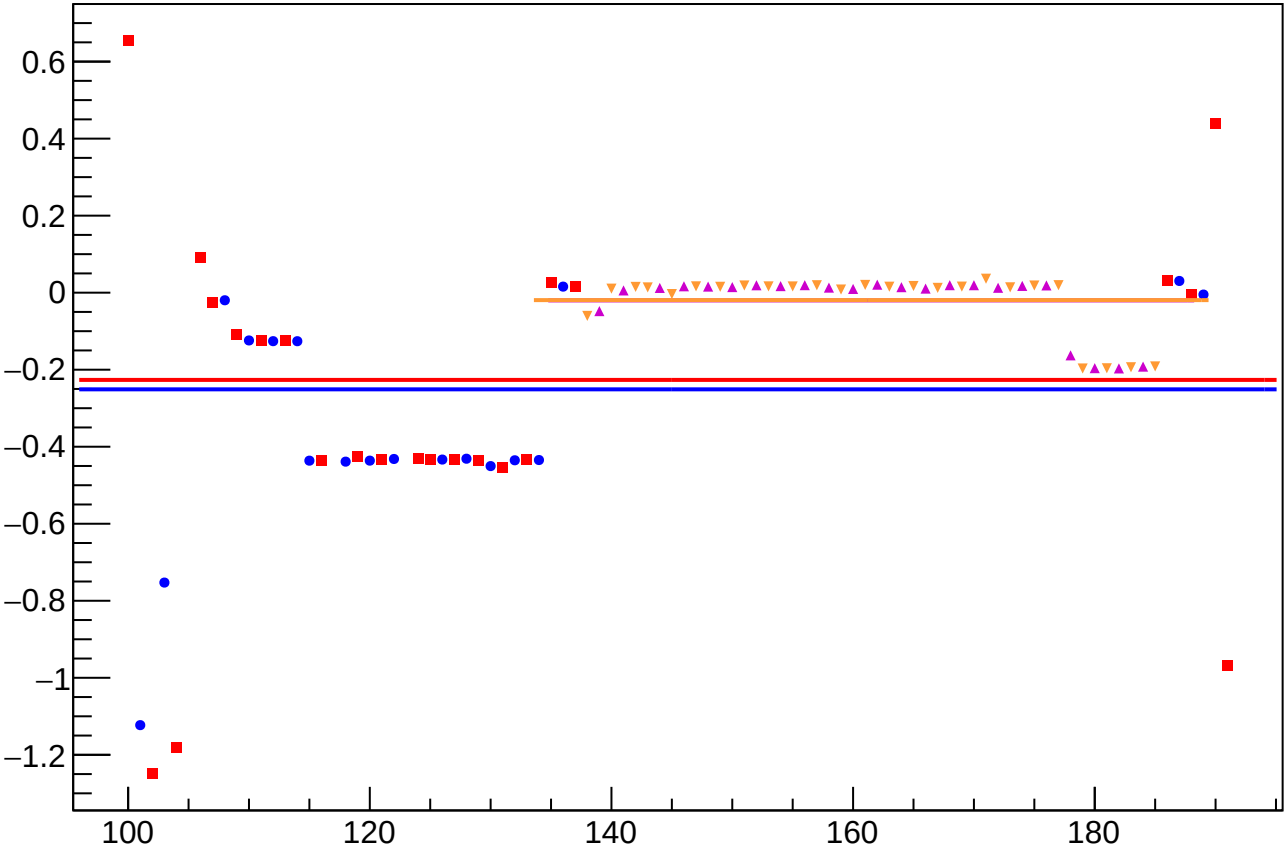
Left In: 0.009+/-0.000 χ^2/NDF:966765.2/22

+ sign 0.009+/-0.000 χ^2/NDF: 2917664.8/42

All: 0.009+/-0.000 χ^2/NDF: 6159499.9/88

- sign 0.009+/-0.000 χ^2/NDF: 3241707.1/45

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

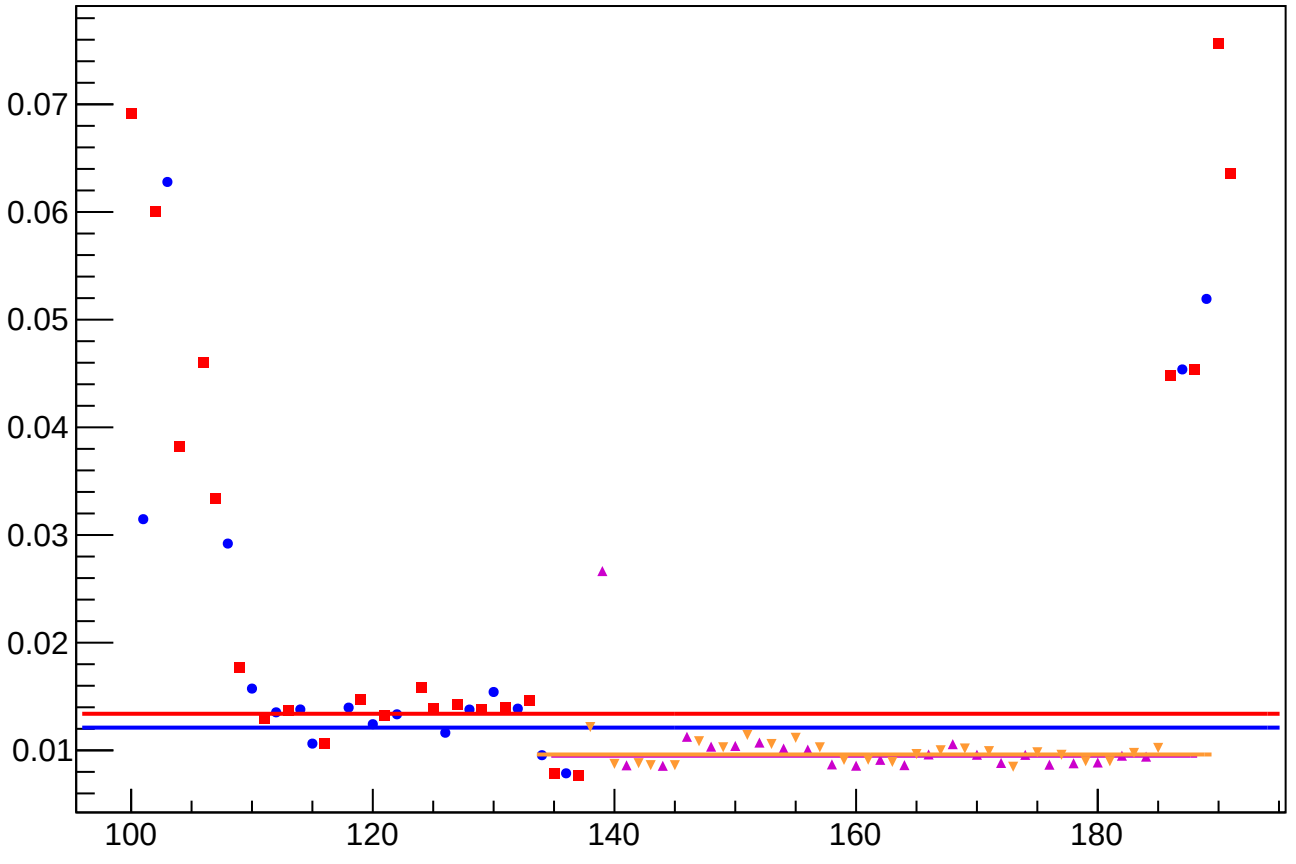
Right Out: -0.227+/-0.000 χ^2/NDF: 1901891039.6/22

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: 8749419774.8/8

- sign -0.053+/-0.000 χ^2/NDF: 4047585002.9/45



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: 4277312.9/22

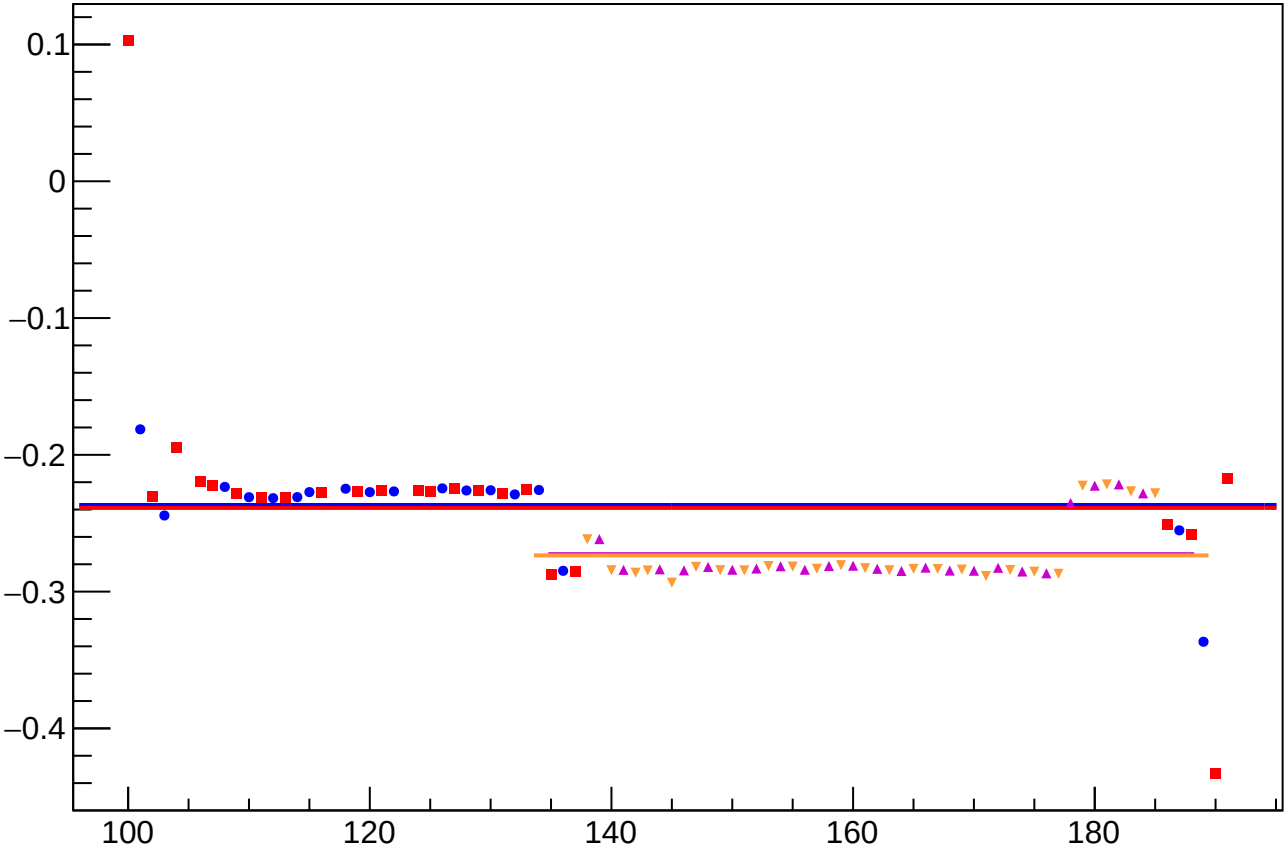
Left In: 0.009+/-0.000 χ^2/NDF:900469.0/22

+ sign 0.010+/-0.000 χ^2/NDF: 3337247.7/42

All: 0.010+/-0.000 χ^2/NDF: 9345589.4/88

- sign 0.010+/-0.000 χ^2/NDF: 6006561.6/45

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: -0.239+/-0.000 χ^2/NDF: 660704445.8/22

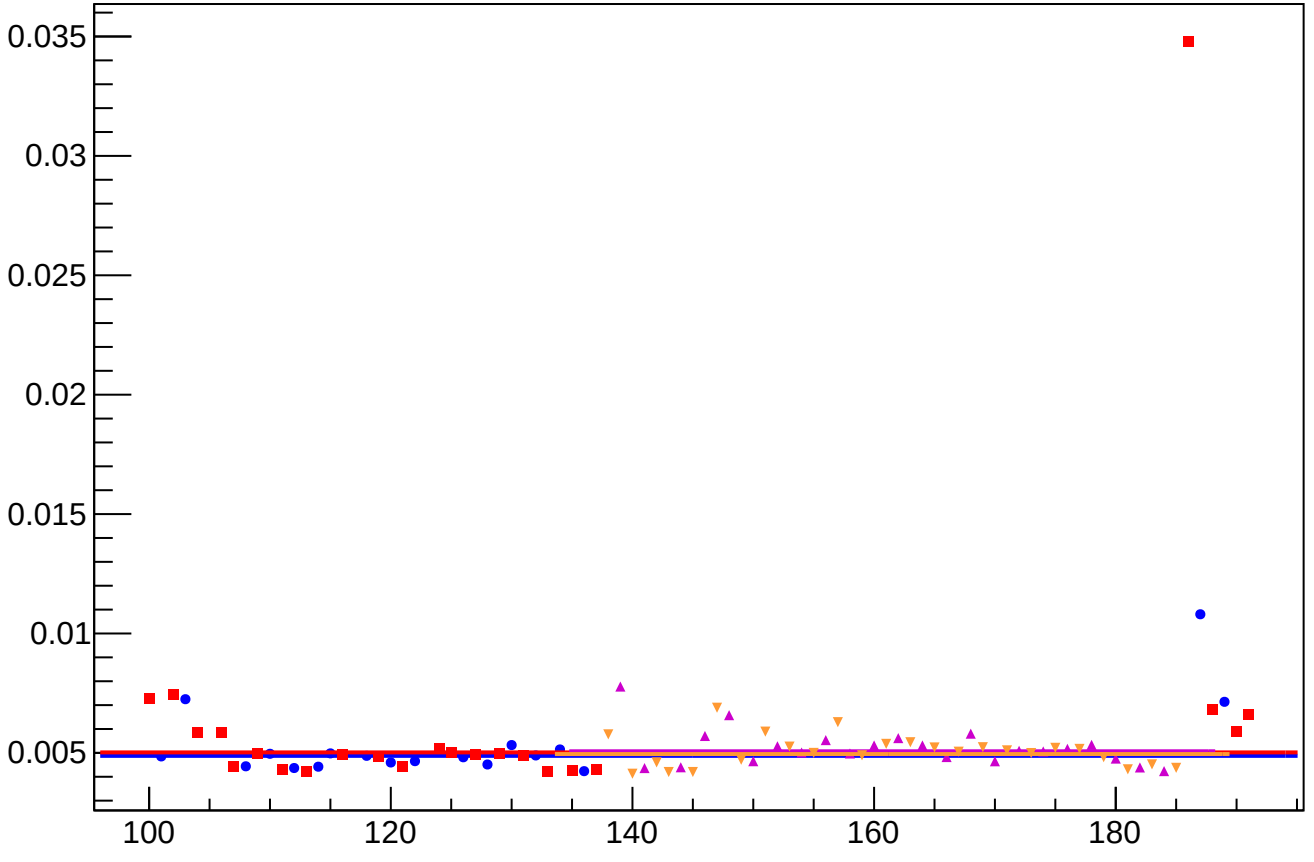
Left In: -0.273+/-0.000 χ^2/NDF:335149425.2/22

+ sign -0.263+/-0.000 χ^2/NDF: 982868595.5/42

All: -0.262+/-0.000 χ^2/NDF: 2229525369.4/8

- sign -0.262+/-0.000 χ^2/NDF: 1245611368.5/45

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

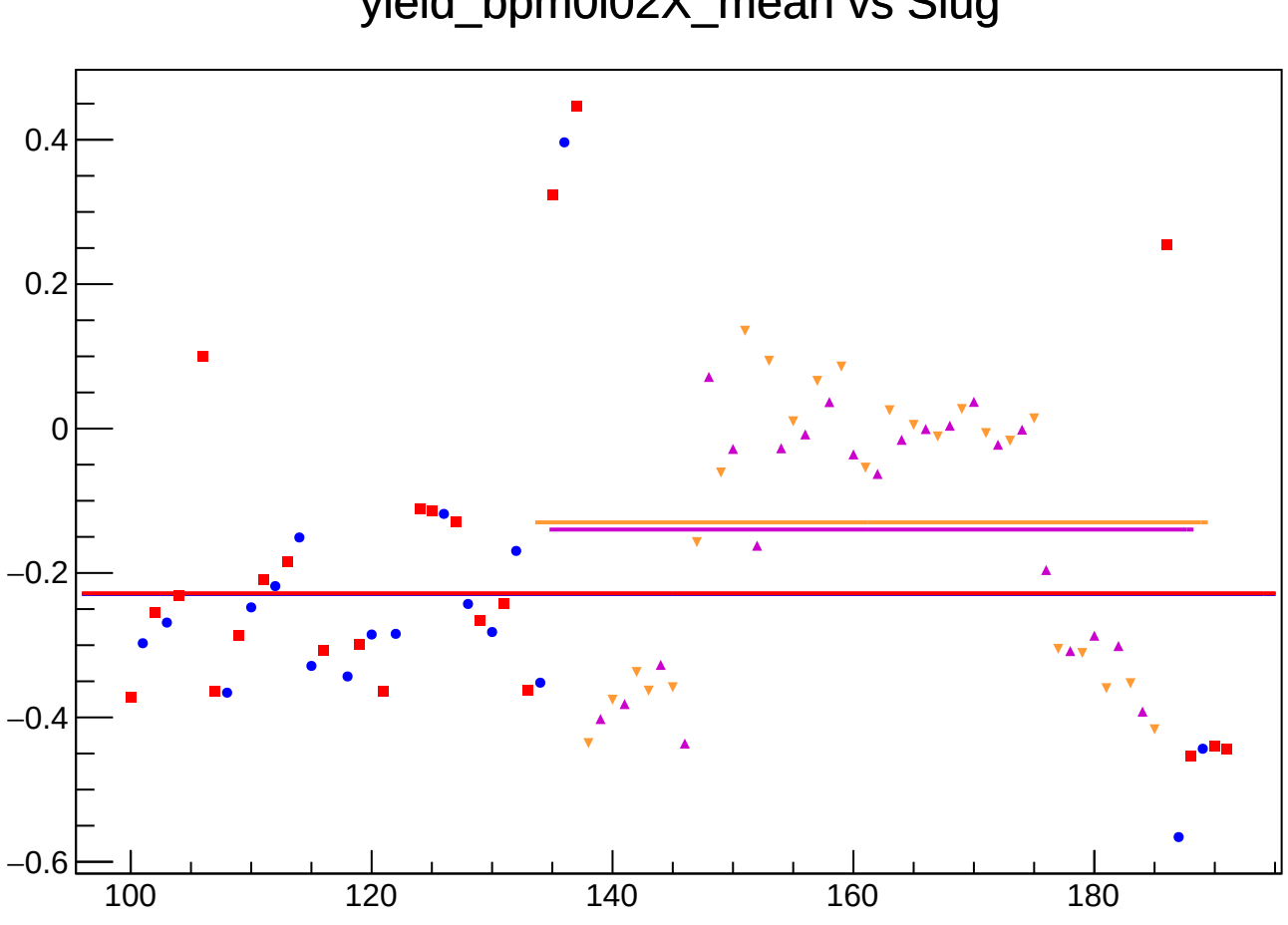
Right Out: 0.005+/-0.000 χ^2/NDF: 1050237.7/22

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: 2540745.7/88

- sign 0.005+/-0.000 χ^2/NDF: 1590574.4/45



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: -0.228+/-0.000 χ^2/NDF: 8838204998.5/22

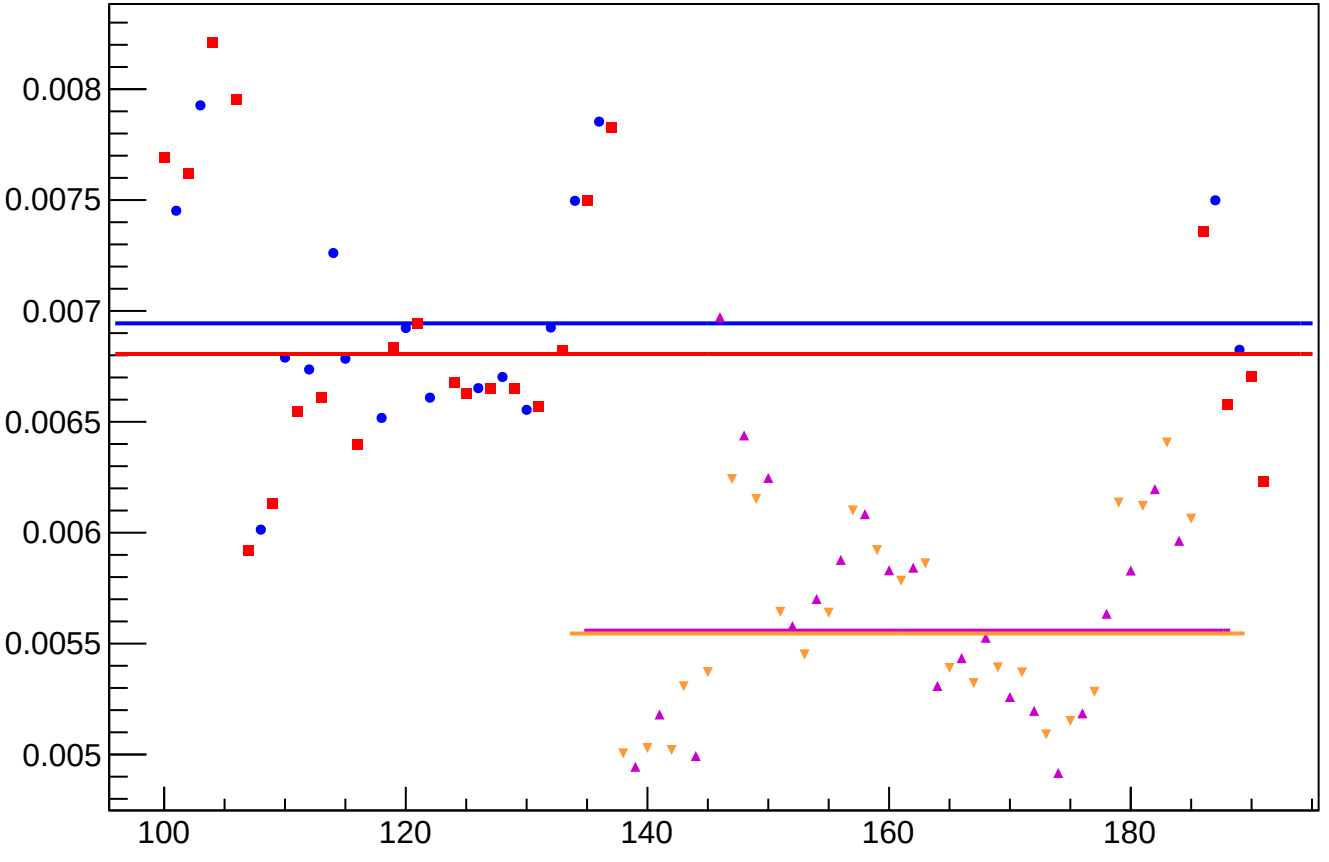
Left In: -0.140+/-0.000 χ^2/NDF:15148699439.4/22

+ sign -0.151+/-0.000 χ^2/NDF: 29898296844.3/42

All: -0.157+/-0.000 χ^2/NDF: 55075414390.3/

- sign -0.163+/-0.000 χ^2/NDF: 25123159300.7/45

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

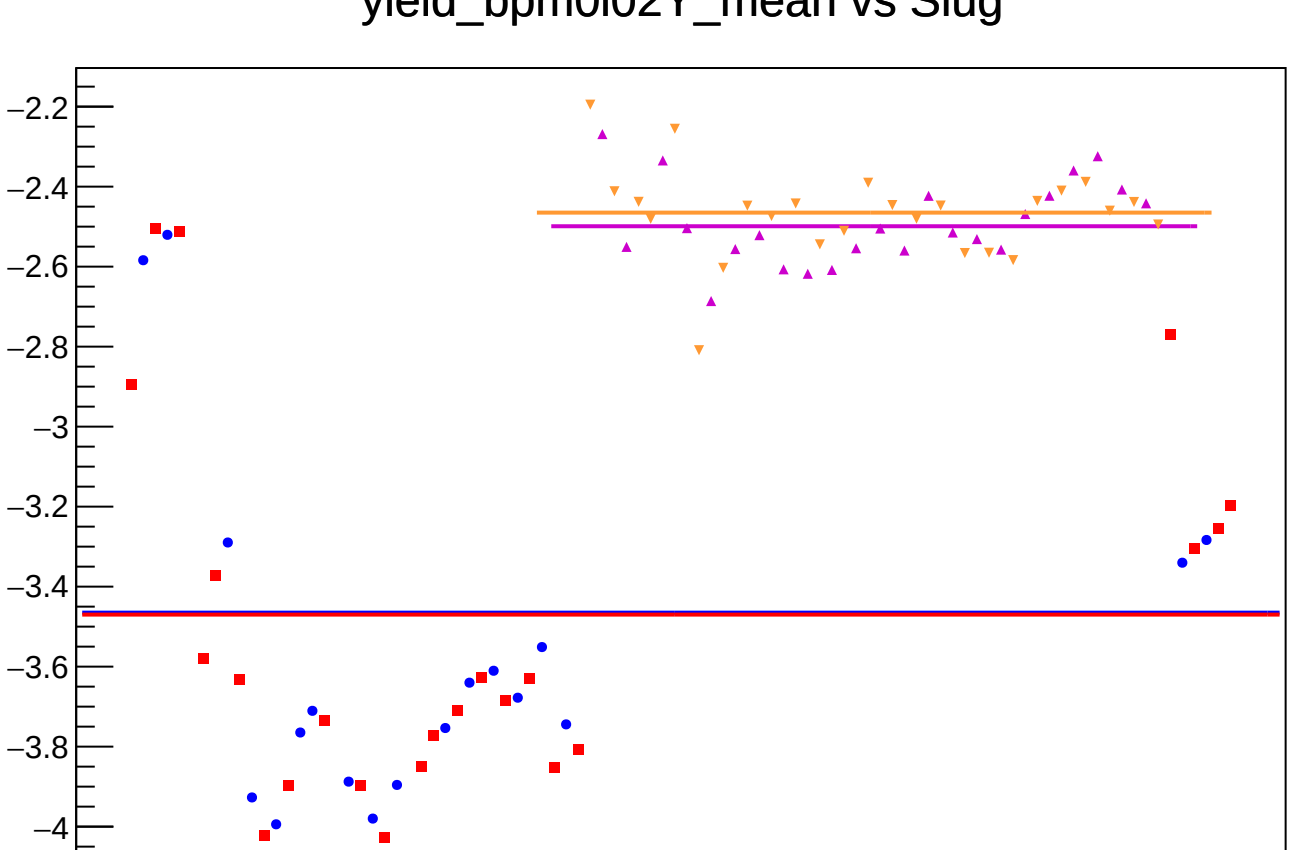
Right Out: 0.007+/-0.000 χ^2/NDF: 111450.6/22

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: 1611567.7/88

- sign 0.006+/-0.000 χ^2/NDF: 826266.7/45



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: -3.470+/-0.000 χ^2/NDF: 31905533006.1/22

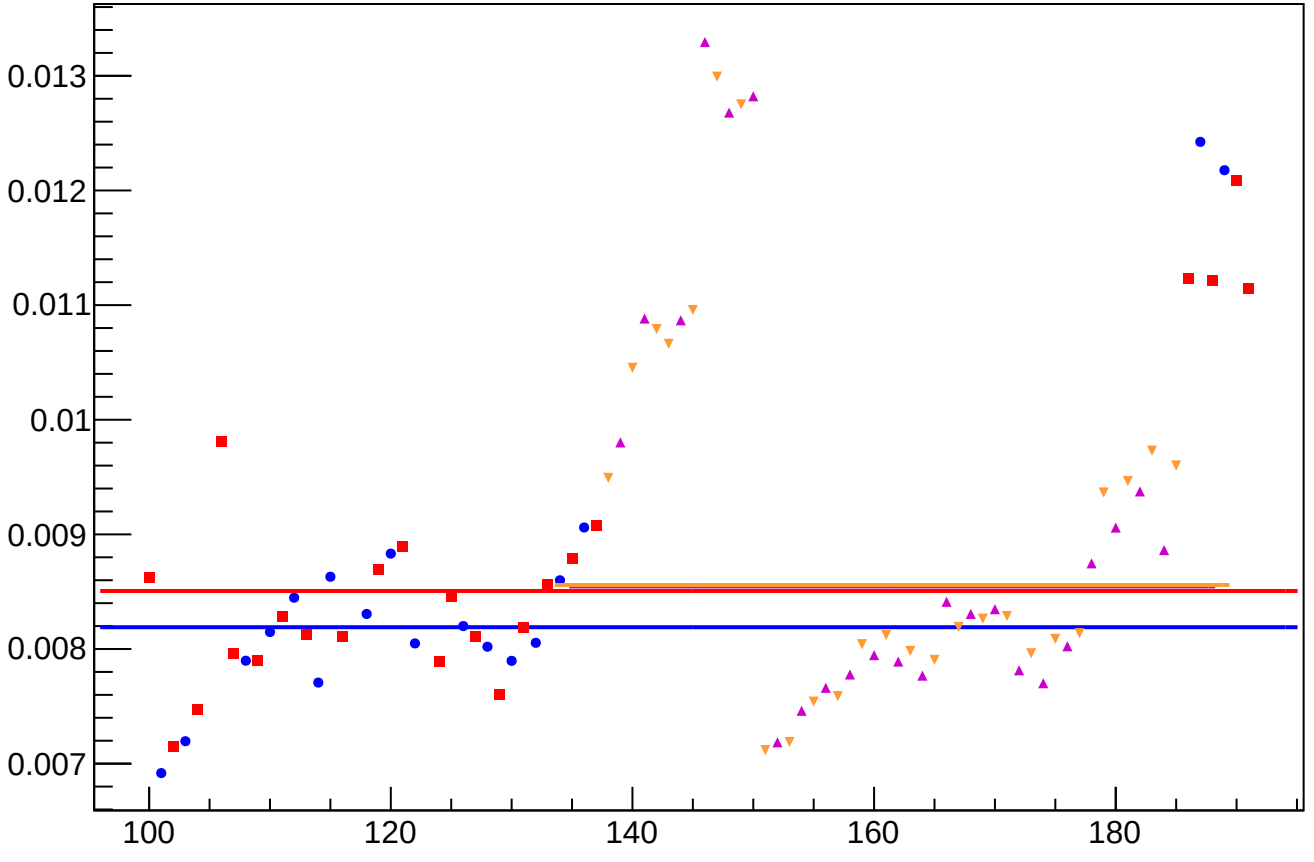
Left In: -2.499+/-0.000 χ^2/NDF:2273256162.3/22

+ sign -2.780+/-0.000 χ^2/NDF: 109619869568.9/42

All: -2.807+/-0.000 χ^2/NDF: 220303039391.1

- sign -2.834+/-0.000 χ^2/NDF: 110165809970.1/45

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: 0.009+/-0.000 χ^2/NDF: 347003.1/22

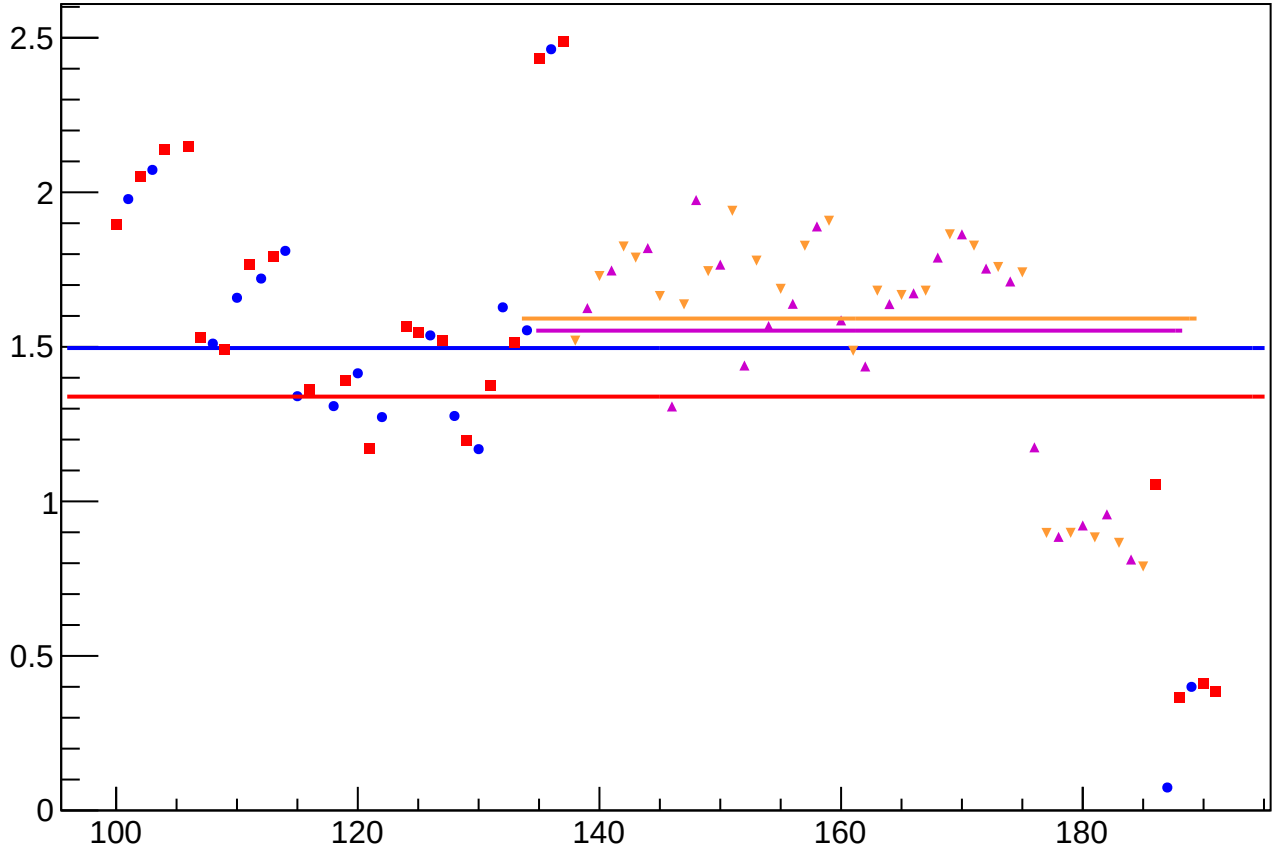
Left In: 0.009+/-0.000 χ^2/NDF:910760.2/22

+ sign 0.008+/-0.000 χ^2/NDF: 1091370.3/42

All: 0.008+/-0.000 χ^2/NDF: 2352280.6/88

- sign 0.009+/-0.000 χ^2/NDF: 1258015.0/45

yield_bpm0i02aX_mean vs Slug



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: 1.339+/-0.000 χ^2/NDF: 25049373296.5/22

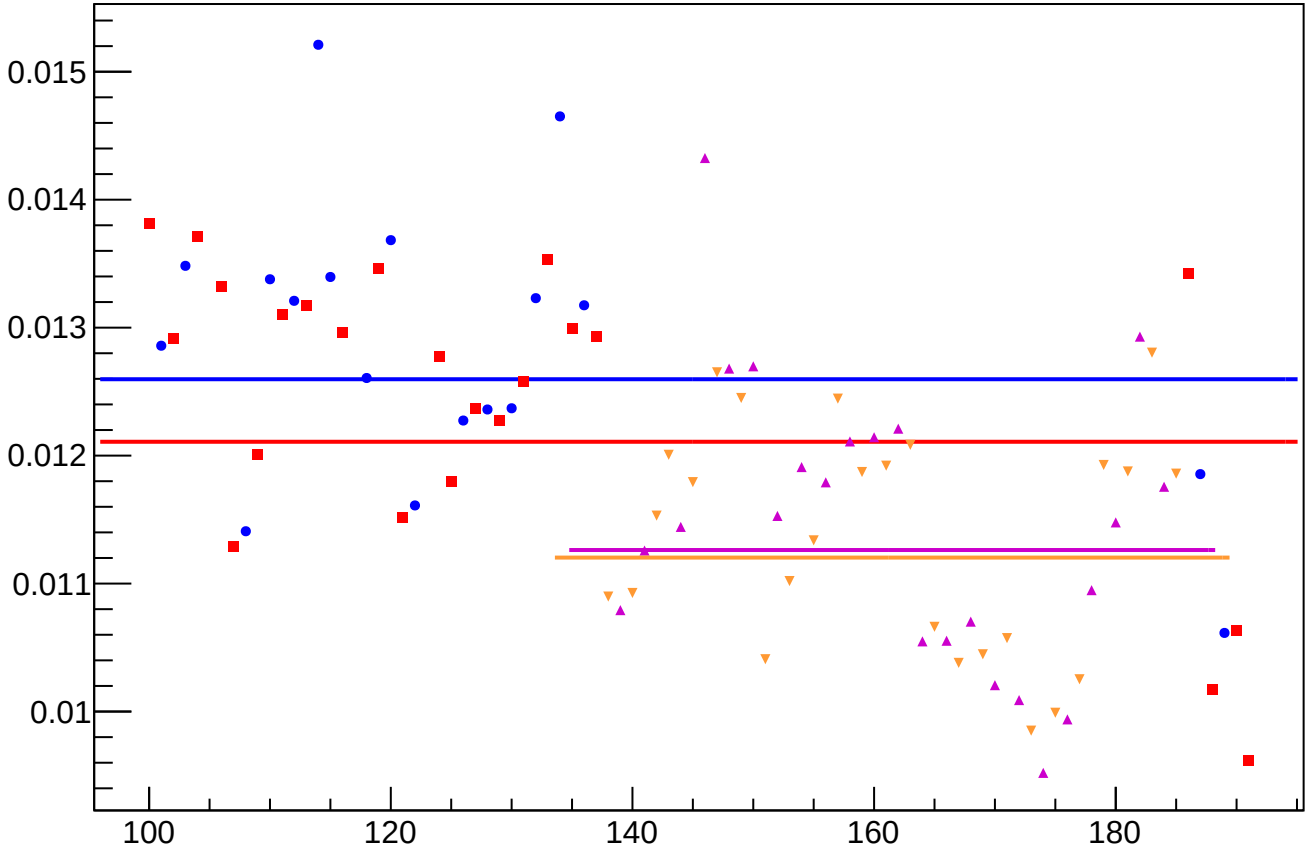
Left In: 1.552+/-0.000 χ^2/NDF:14055987405.9/22

+ sign 1.568+/-0.000 χ^2/NDF: 33297011310.8/42

All: 1.527+/-0.000 χ^2/NDF: 75000963648.6/8

- sign 1.486+/-0.000 χ^2/NDF: 41043048441.5/45

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

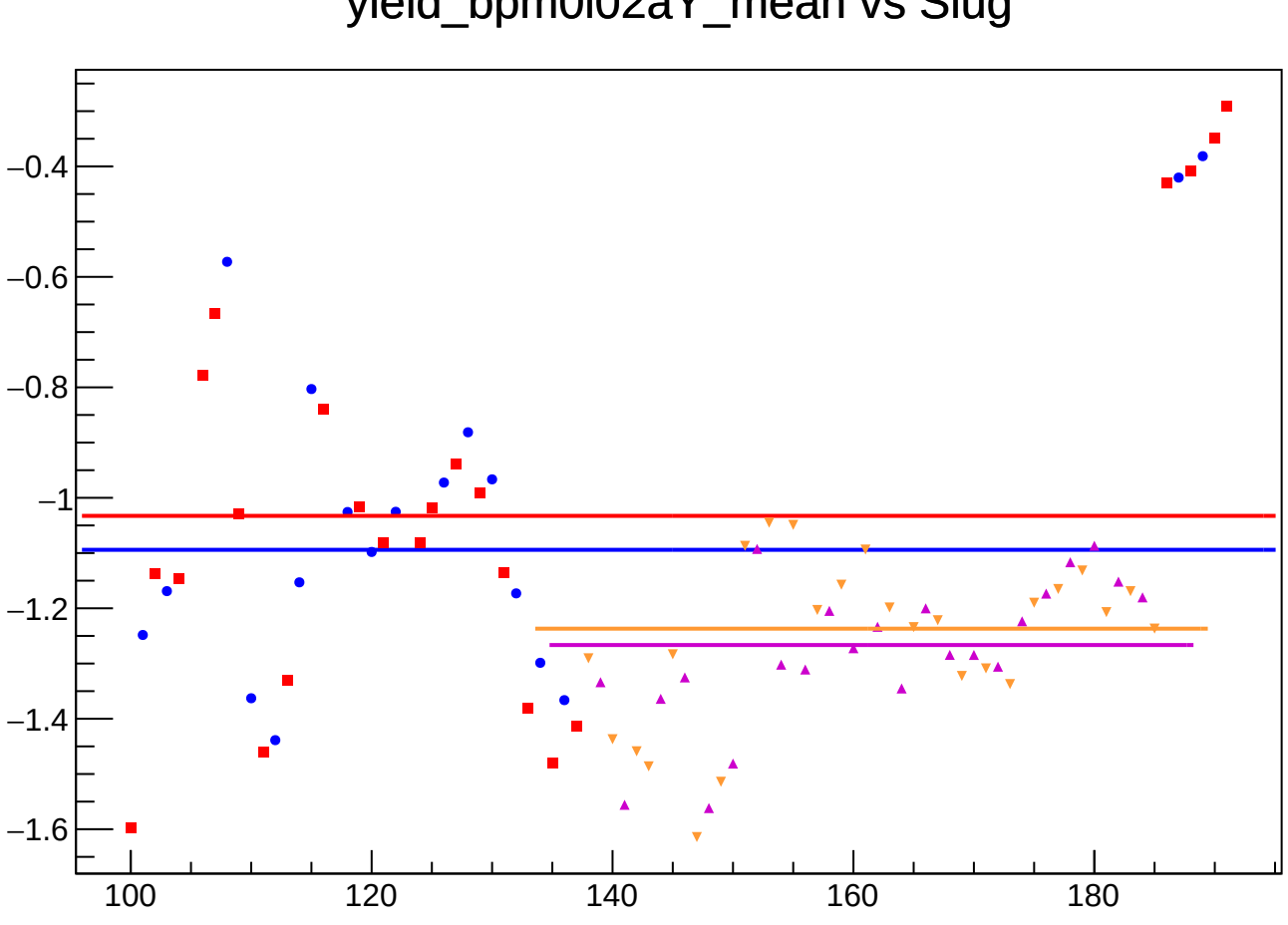
Right Out: 0.012+/-0.000 χ^2/NDF: 195799.2/22

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: 1028571.4/88

- sign 0.012+/-0.000 χ^2/NDF: 568327.2/45



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: -1.033+/-0.000 χ^2/NDF: 10859940931.0/22

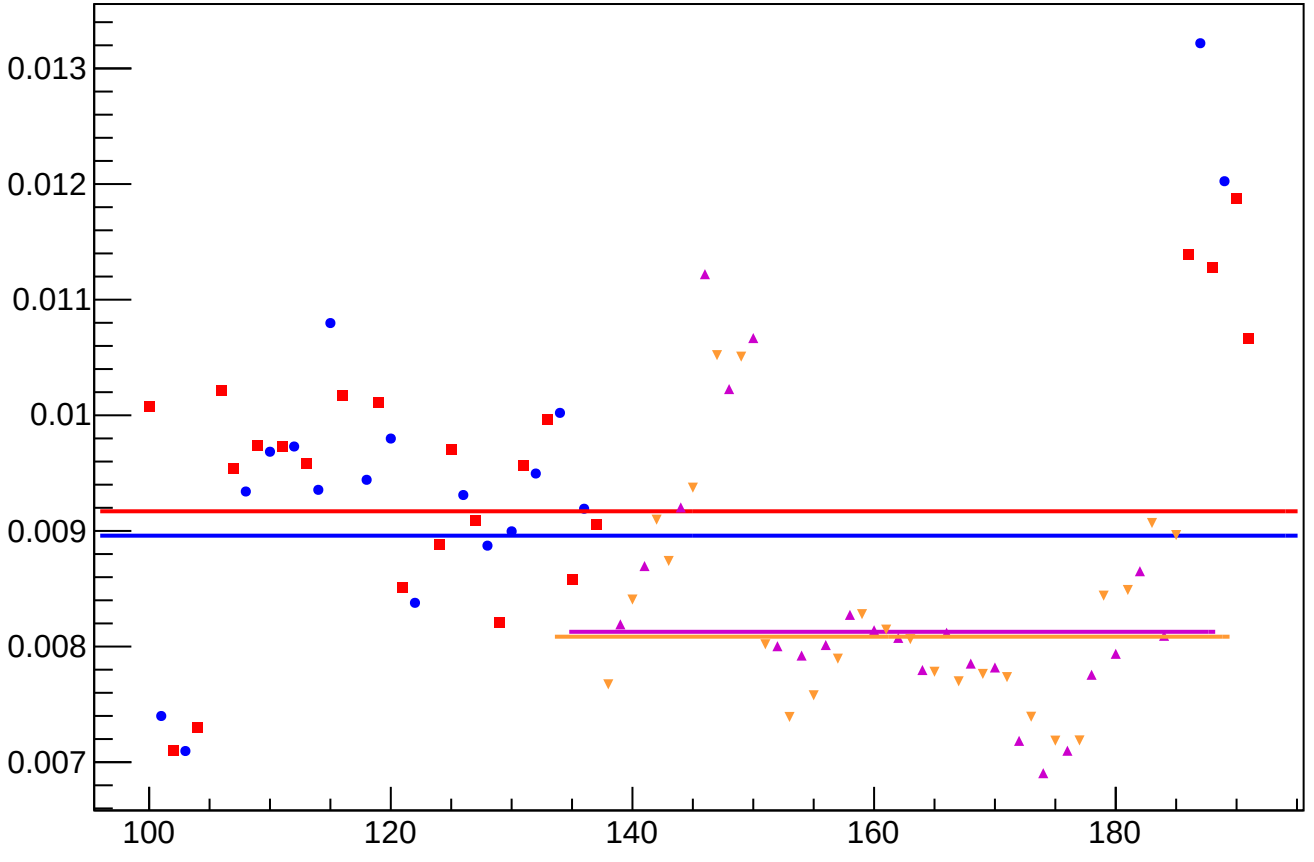
Left In: -1.267+/-0.000 χ^2/NDF:3674801511.3/22

+ sign -1.201+/-0.000 χ^2/NDF: 12589003932.5/42

All: -1.200+/-0.000 χ^2/NDF: 31190534767.4/

- sign -1.199+/-0.000 χ^2/NDF: 18601161277.9/45

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

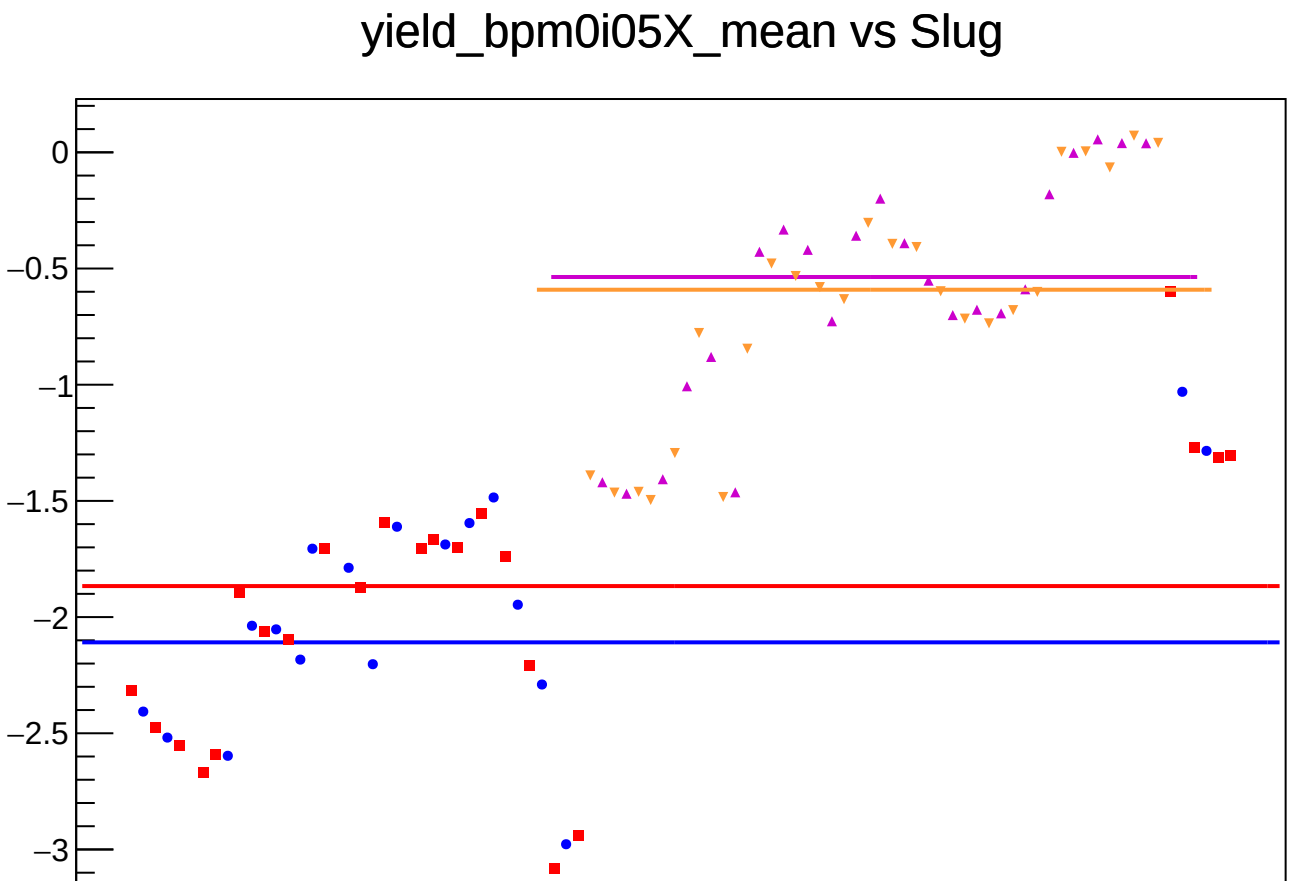
Right Out: 0.009+/-0.000 χ^2/NDF: 366474.7/22

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: 1659122.7/88

- sign 0.008+/-0.000 χ^2/NDF: 937068.9/45



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: -1.867+/-0.000 χ^2/NDF: 64176634584.8/22

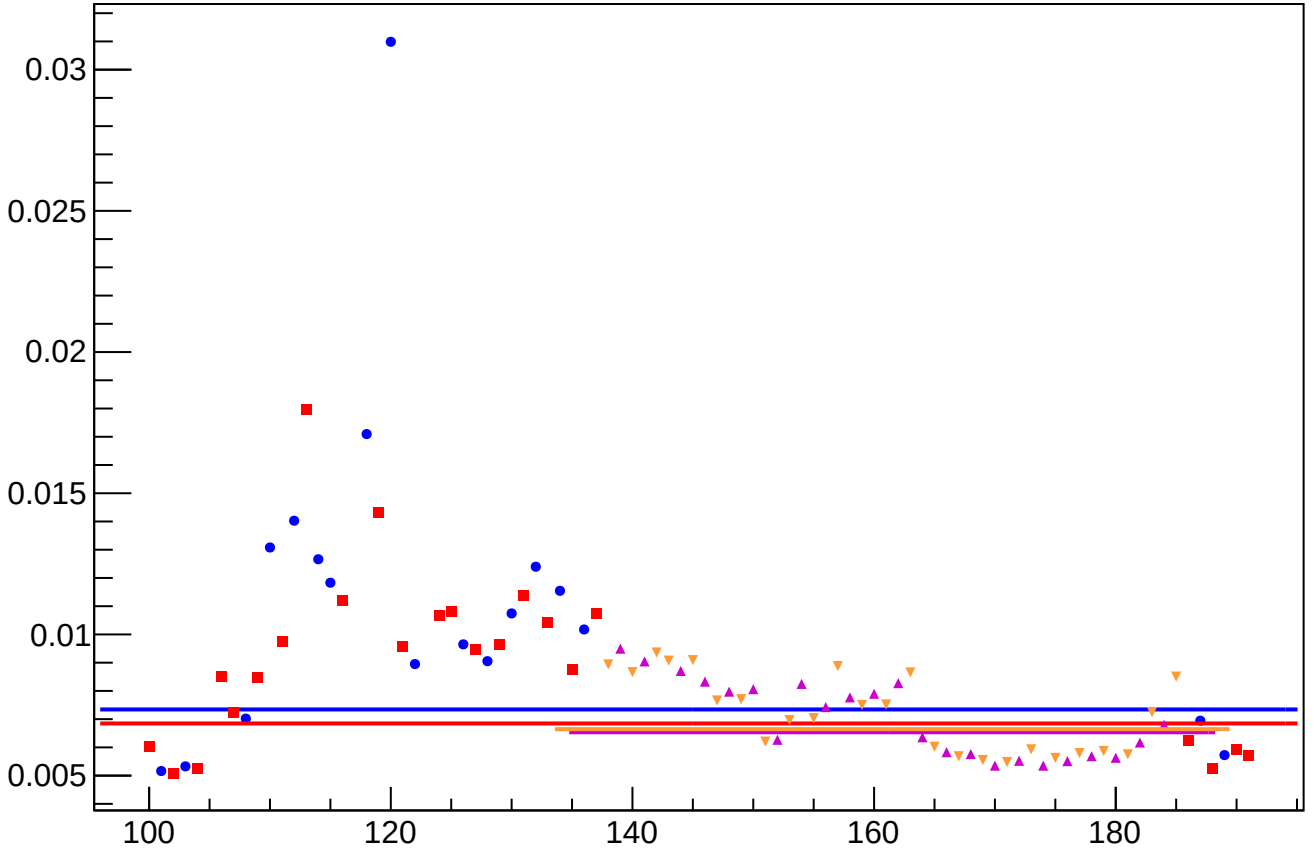
Left In: -0.536+/-0.000 χ^2/NDF:70168781562.6/22

+ sign -0.921+/-0.000 χ^2/NDF: 294593116497.8/42

All: -0.923+/-0.000 χ^2/NDF: 620727376027.7

- sign -0.925+/-0.000 χ^2/NDF: 326130910573.0/45

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

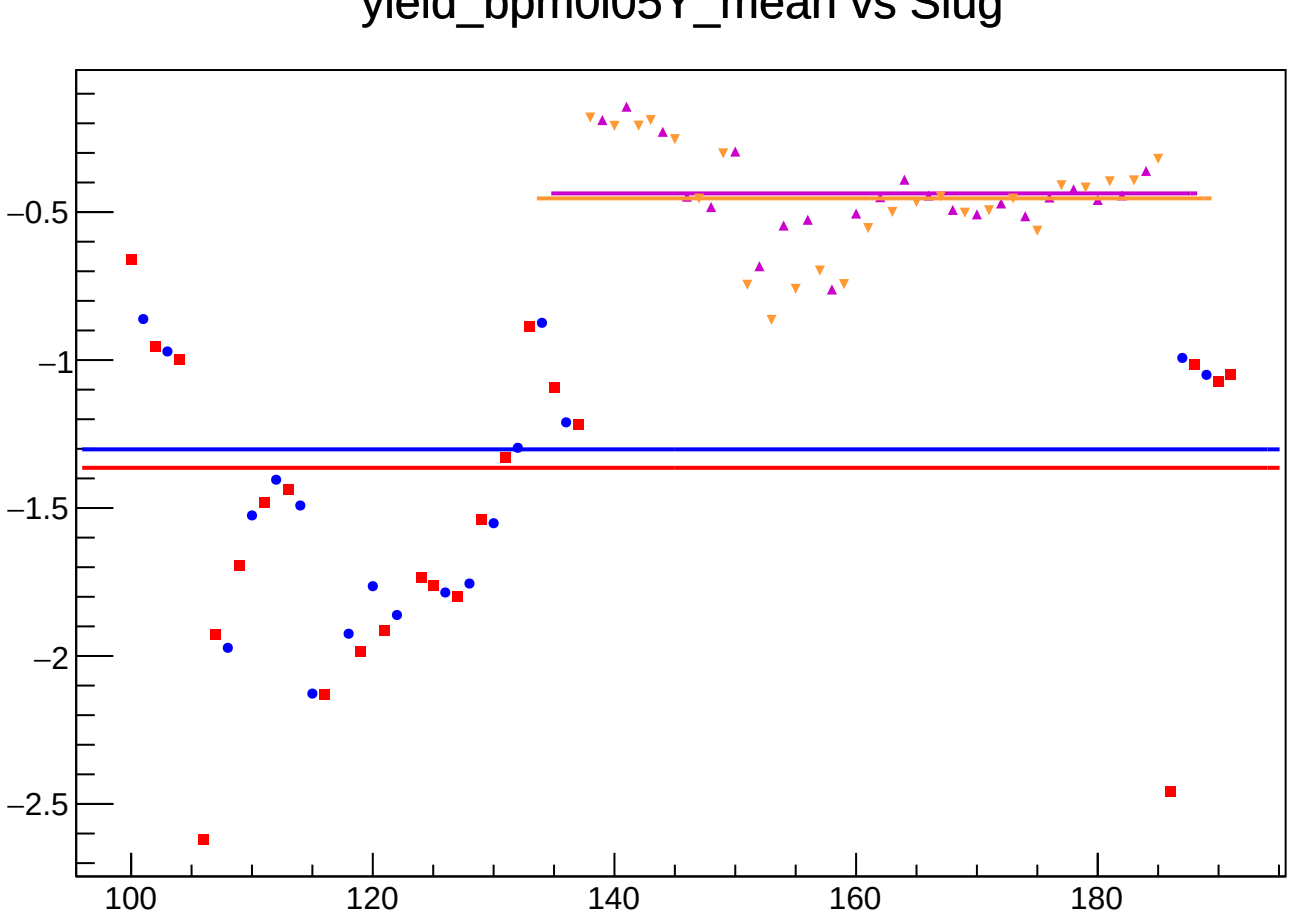
Right Out: 0.007+/-0.000 χ^2/NDF: 1640637.6/22

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: 5803951.9/88

- sign 0.007+/-0.000 χ^2/NDF: 2812979.3/45



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: -1.364+/-0.000 χ^2/NDF: 65229281589.6/22

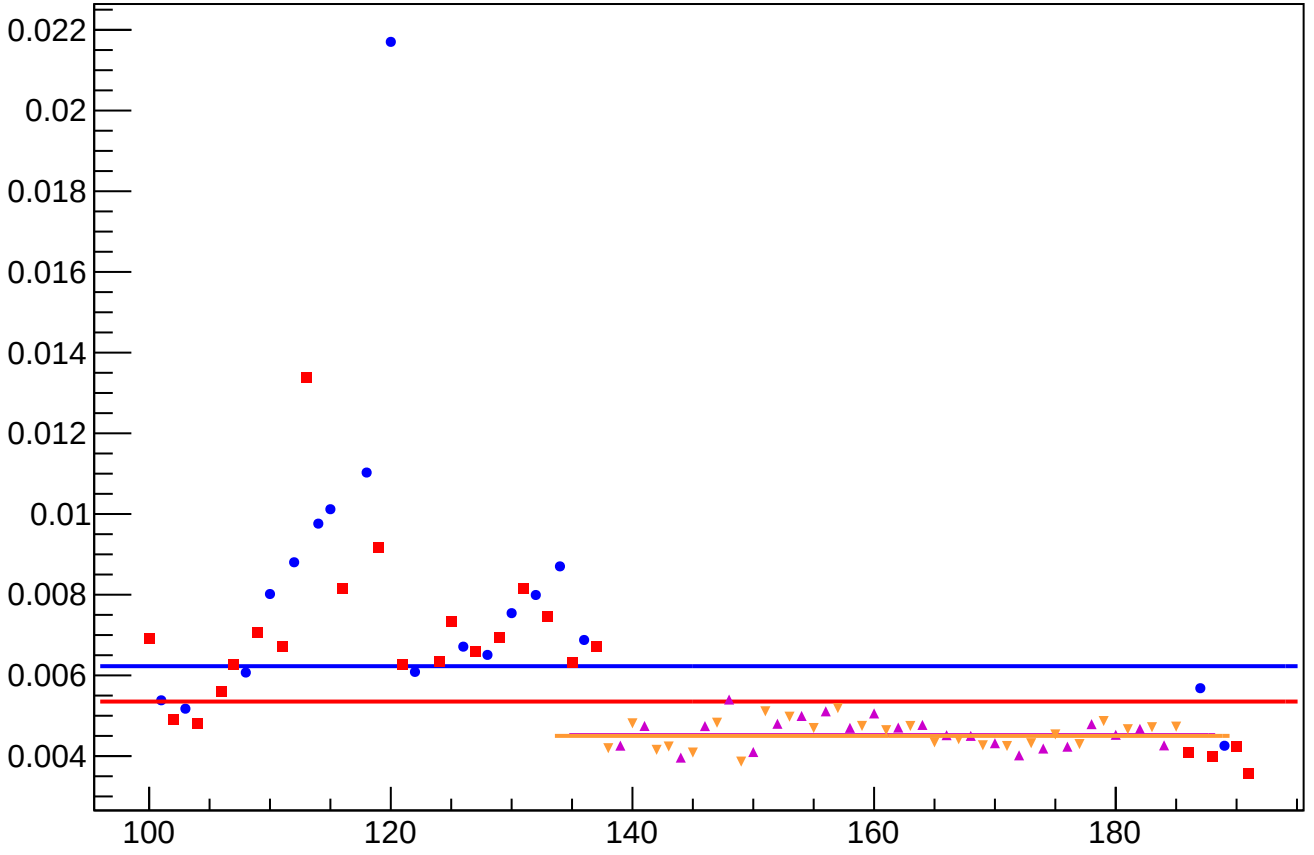
Left In: -0.437+/-0.000 χ^2/NDF:16544160360.6/22

+ sign -0.586+/-0.000 χ^2/NDF: 150951223867.6/42

All: -0.625+/-0.000 χ^2/NDF: 406425467623.3

- sign -0.663+/-0.000 χ^2/NDF: 252412077035.4/45

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

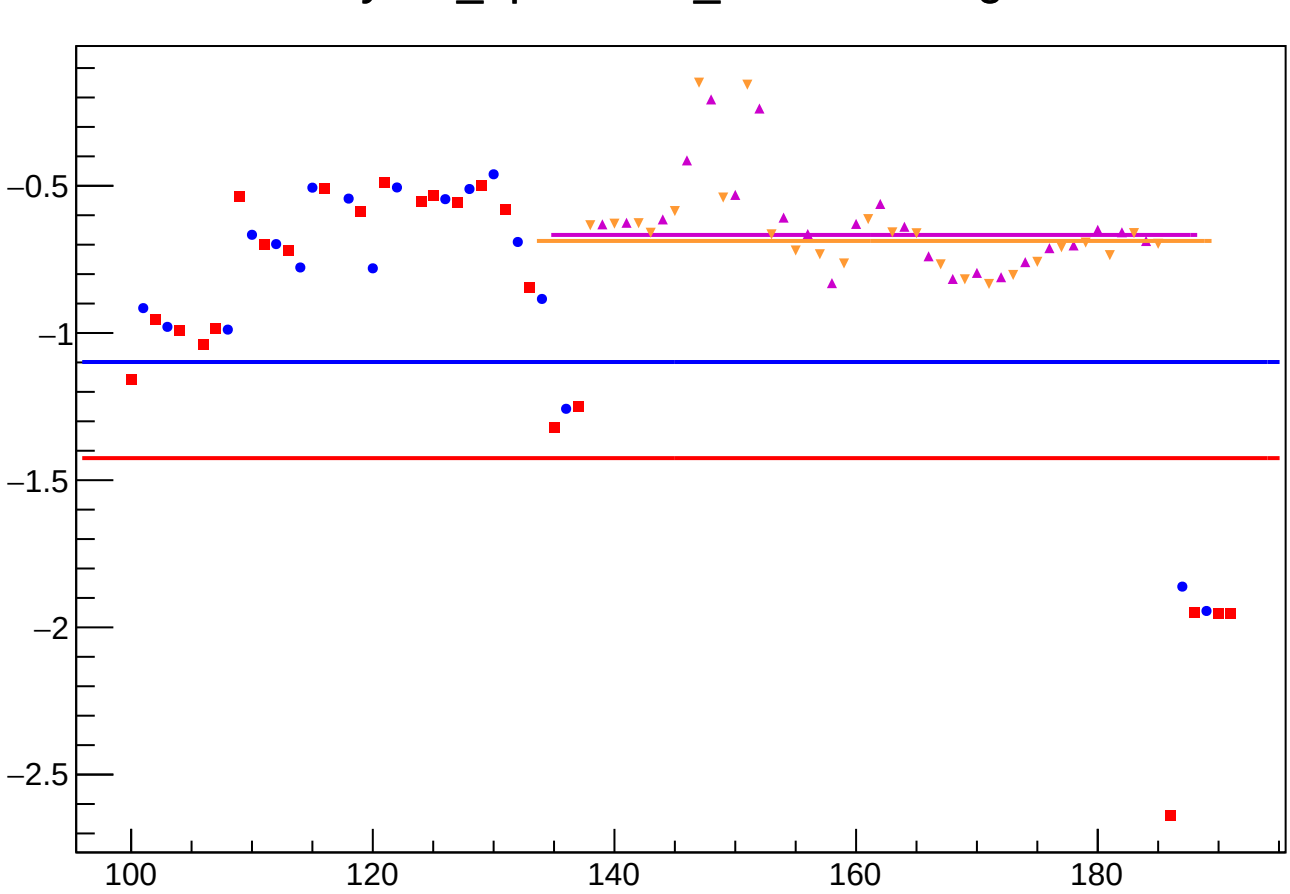
Right Out: 0.005+/-0.000 χ^2/NDF: 1250408.5/22

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: 3675776.9/88

- sign 0.005+/-0.000 χ^2/NDF: 1736521.4/45



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: -1.425+/-0.000 χ^2/NDF: 185255554504.8/22

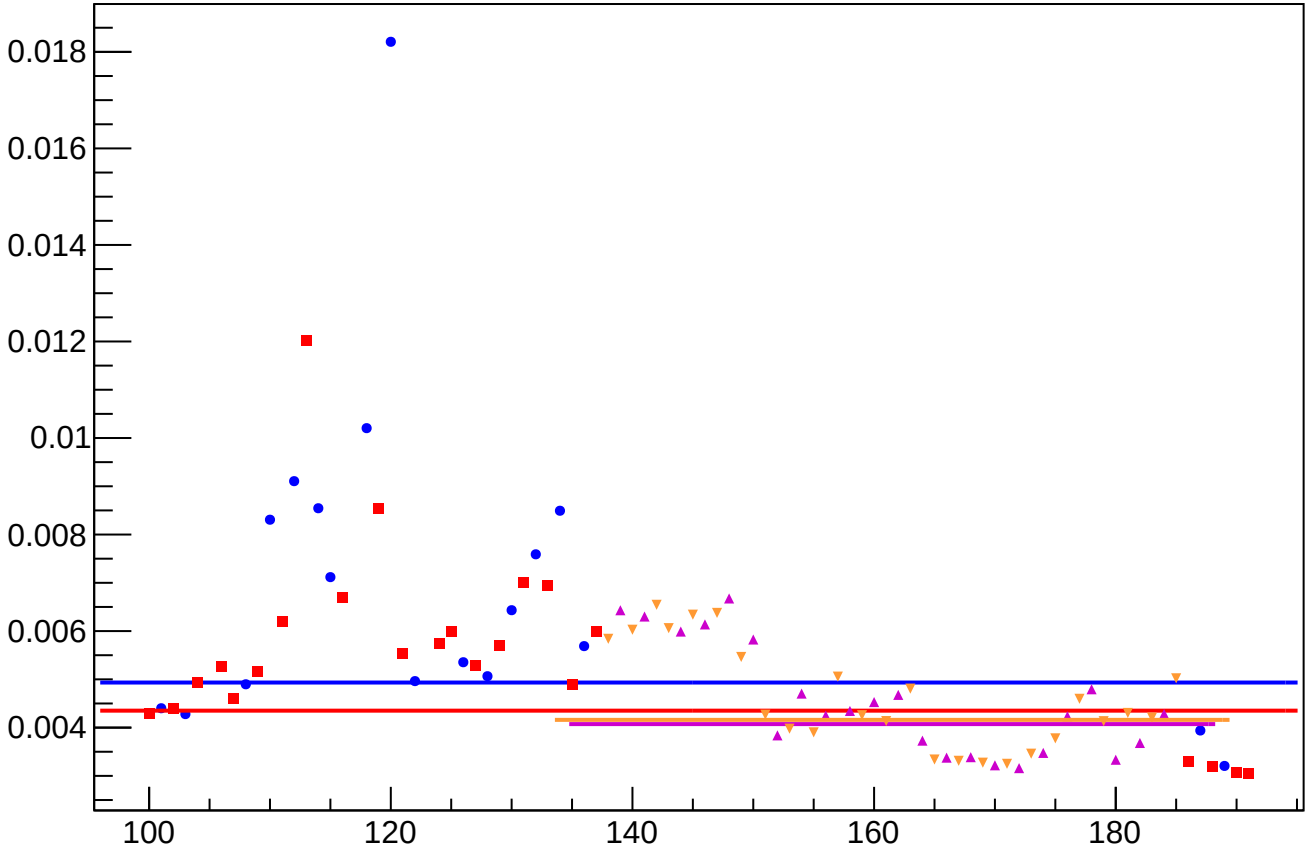
Left In: -0.667+/-0.000 χ^2/NDF:22531477329.1/22

+ sign -0.771+/-0.000 χ^2/NDF: 124254484484.1/42

All: -0.832+/-0.000 χ^2/NDF: 499842499722.8

- sign -0.887+/-0.000 χ^2/NDF: 366938180536.9/45

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

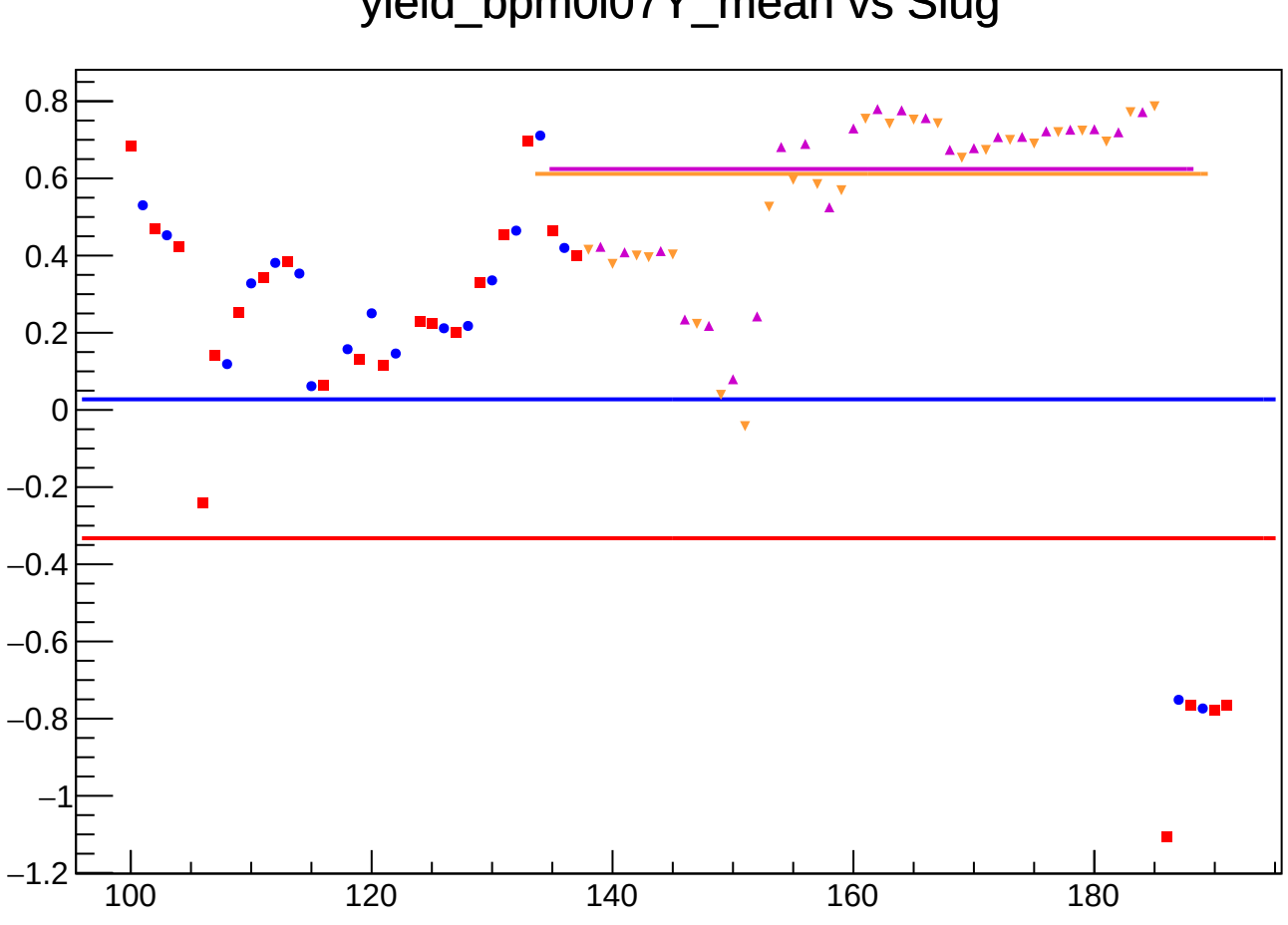
Right Out: 0.004+/-0.000 χ^2/NDF: 1532649.3/22

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: 6501095.9/88

- sign 0.004+/-0.000 χ^2/NDF: 3325947.8/45



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: -0.332+/-0.000 χ^2/NDF: 336427325925.1/22

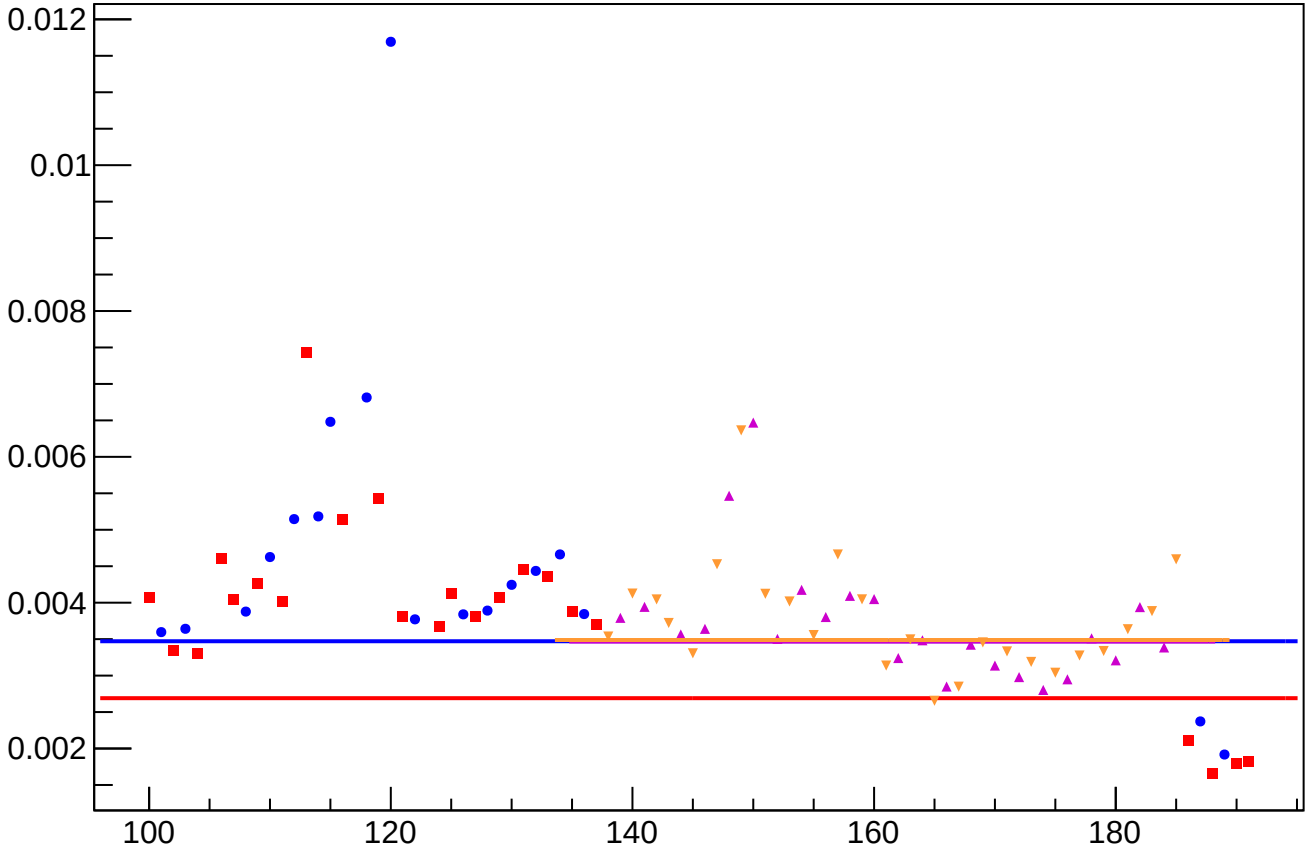
Left In: 0.624+/-0.000 χ^2/NDF:40353141115.4/22

+ sign 0.447+/-0.000 χ^2/NDF: 319972515200.7/42

All: 0.316+/-0.000 χ^2/NDF: 1256636280629.

- sign 0.209+/-0.000 χ^2/NDF: 879803786298.0/45

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

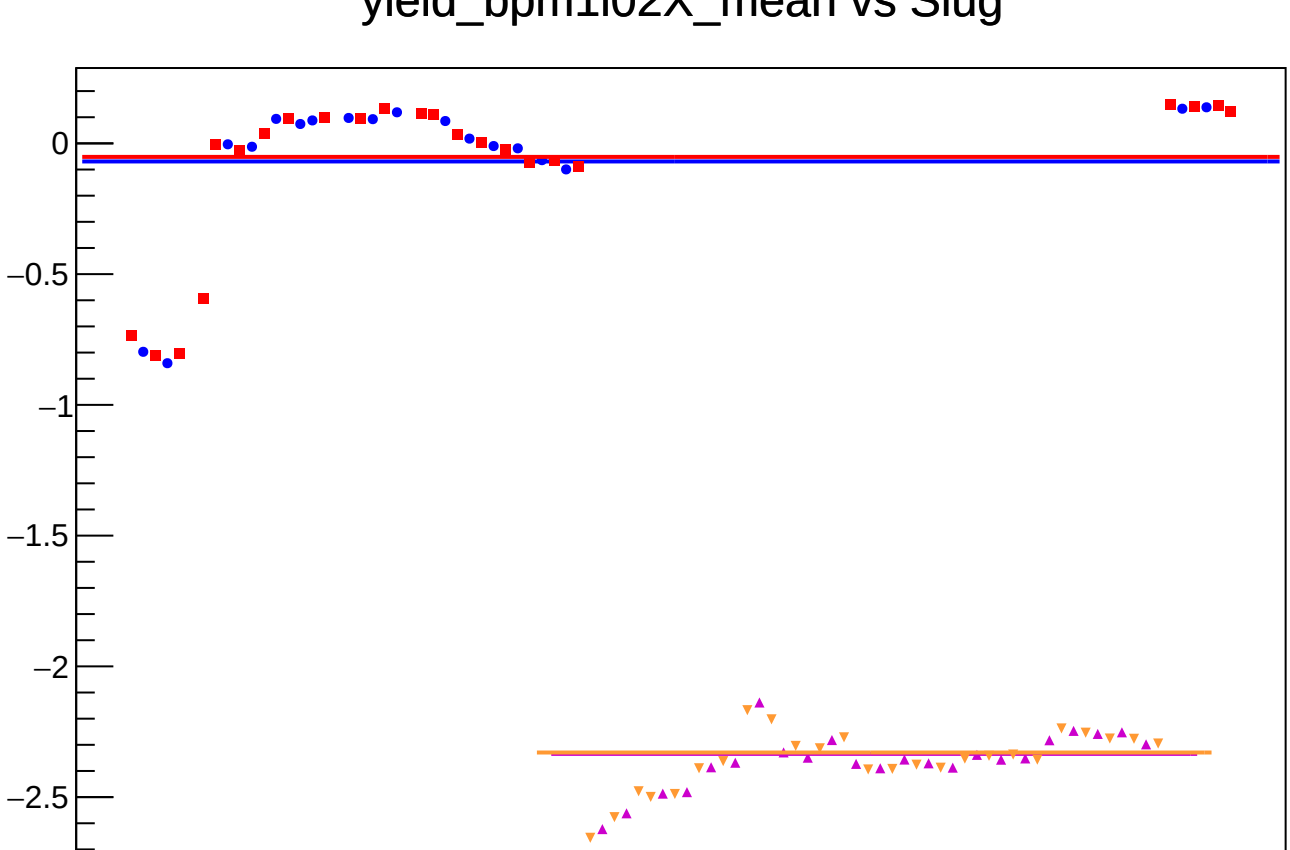
Right Out: 0.003+/-0.000 χ^2/NDF: 2636210.9/22

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: 6752148.0/88

- sign 0.003+/-0.000 χ^2/NDF: 4192865.0/45



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: -0.052+/-0.000 χ^2/NDF: 7192171172.7/22

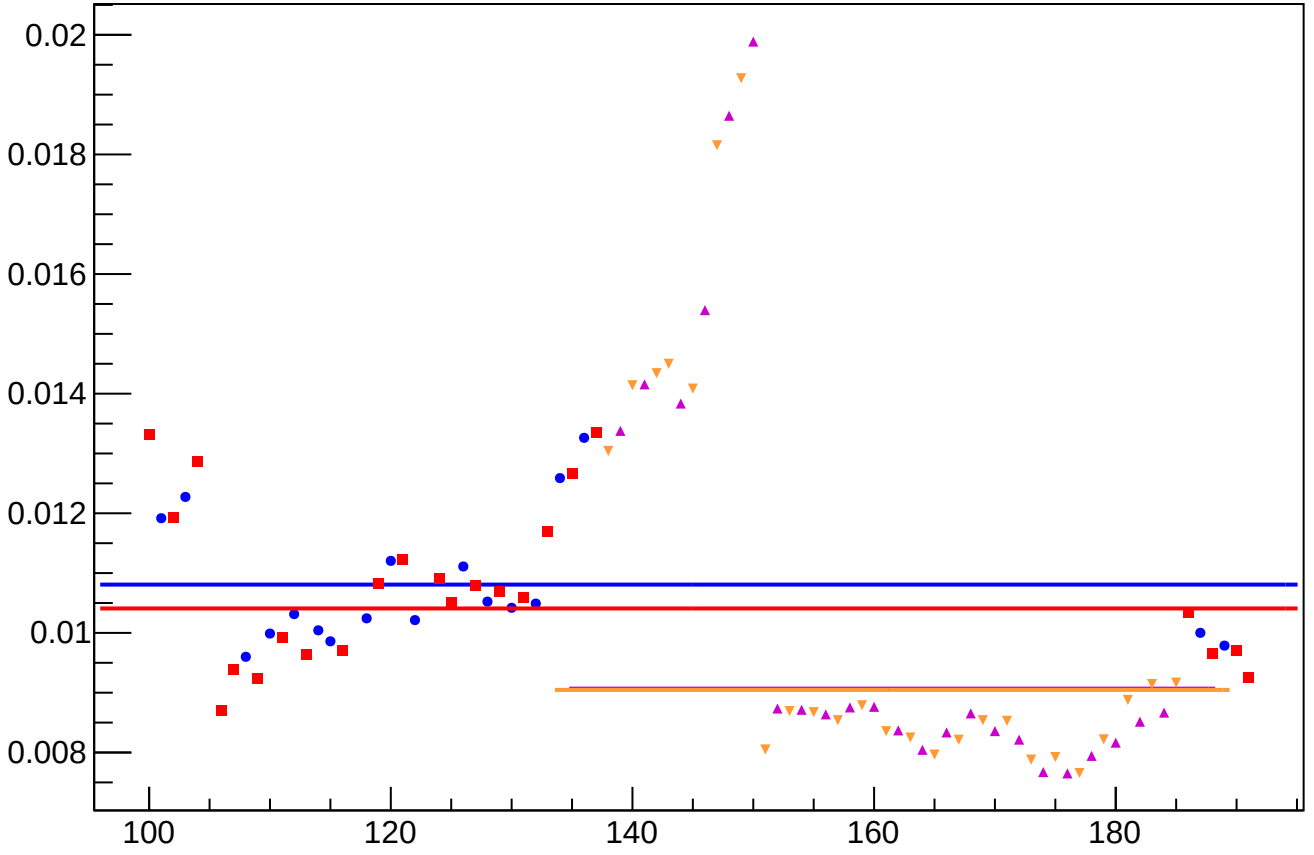
Left In: -2.335+/-0.000 χ^2/NDF:1676703216.8/22

+ sign -1.805+/-0.000 χ^2/NDF: 270951407817.3/42

All: -1.736+/-0.000 χ^2/NDF: 599760548400.1

- sign -1.669+/-0.000 χ^2/NDF: 326082499895.4/45

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

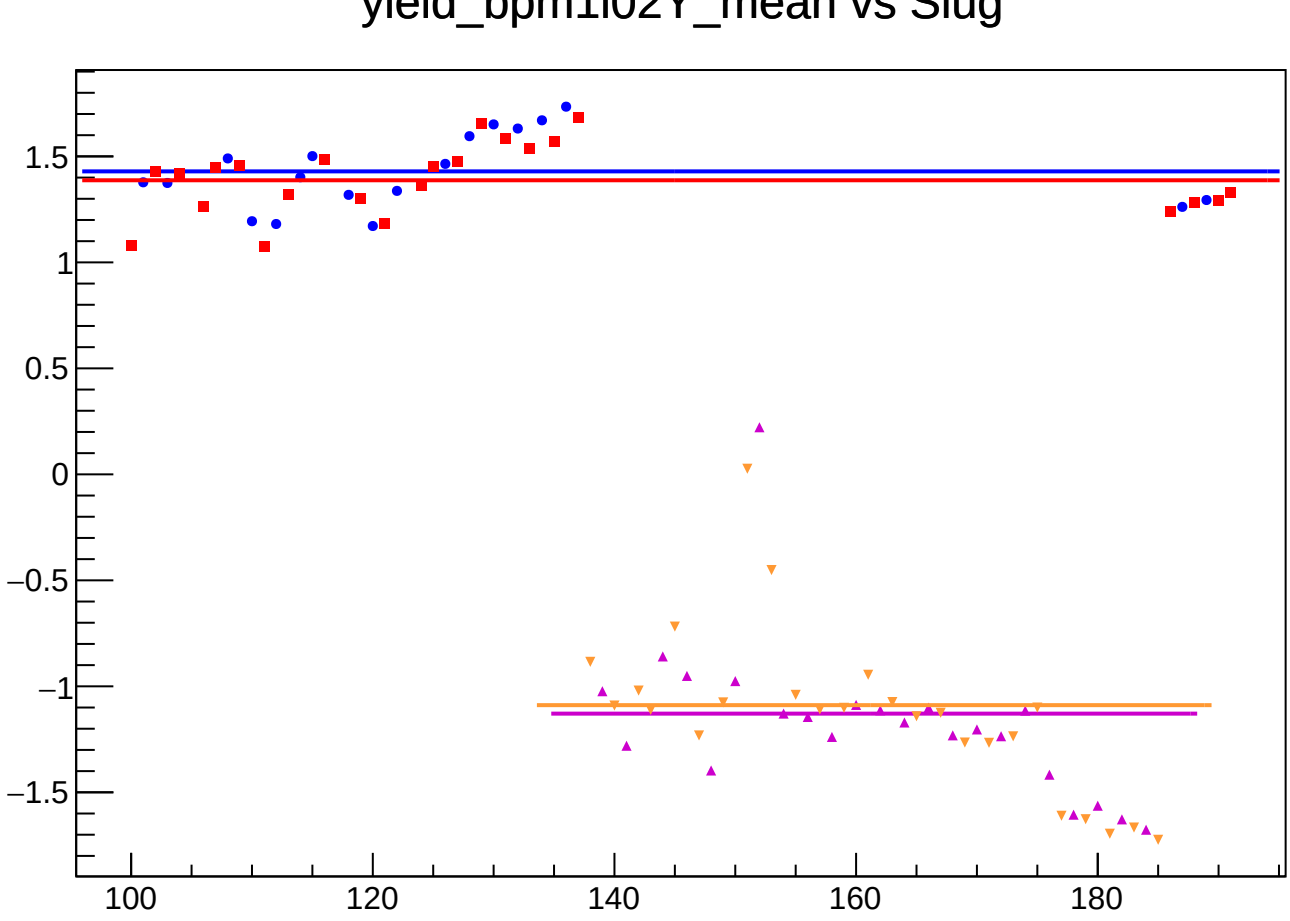
Right Out: 0.010+/-0.000 χ^2/NDF: 219485.2/22

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: 5092637.4/88

- sign 0.009+/-0.000 χ^2/NDF: 2572428.6/45



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: 1.387+/-0.000 χ^2/NDF: 3346014288.0/22

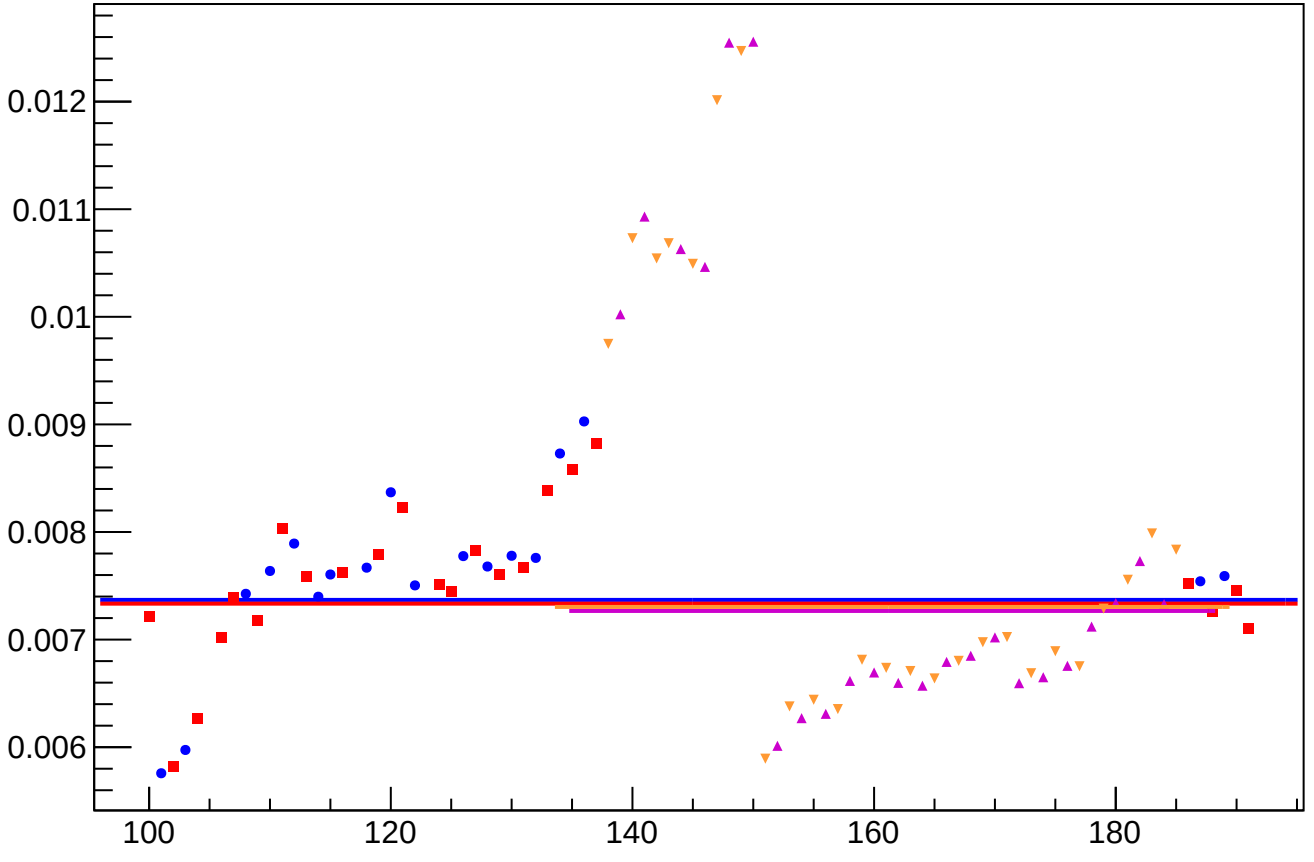
Left In: -1.129+/-0.000 χ^2/NDF:58876825364.1/22

+ sign -0.353+/-0.000 χ^2/NDF: 707306099296.6/42

All: -0.308+/-0.000 χ^2/NDF: 1491235614189

- sign -0.264+/-0.000 χ^2/NDF: 781984961239.4/45

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: 196807.7/22

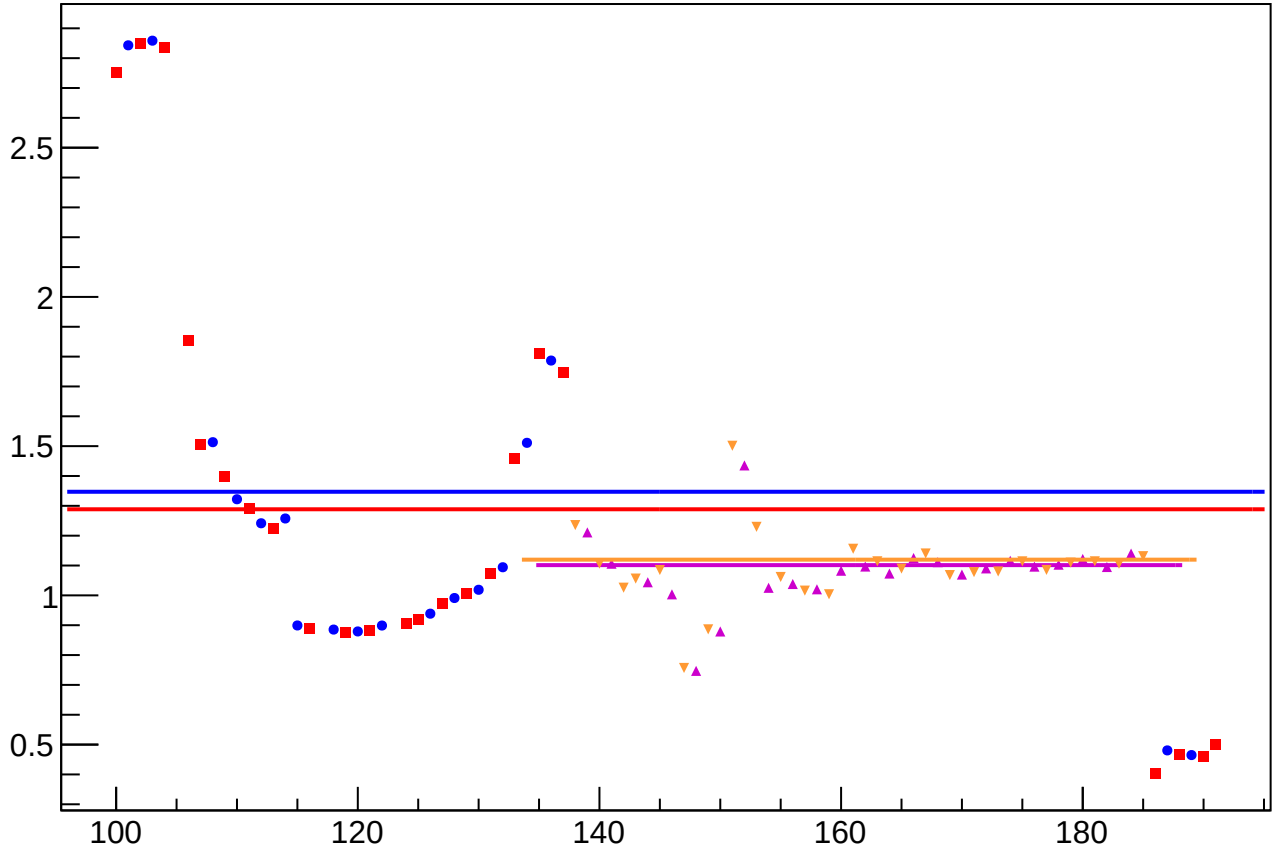
Left In: 0.007+/-0.000 χ^2/NDF:1560089.8/22

+ sign 0.007+/-0.000 χ^2/NDF: 1777012.2/42

All: 0.007+/-0.000 χ^2/NDF: 3535496.8/88

- sign 0.007+/-0.000 χ^2/NDF: 1757940.3/45

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: 1.288+/-0.000 χ^2/NDF: 71245098533.5/22

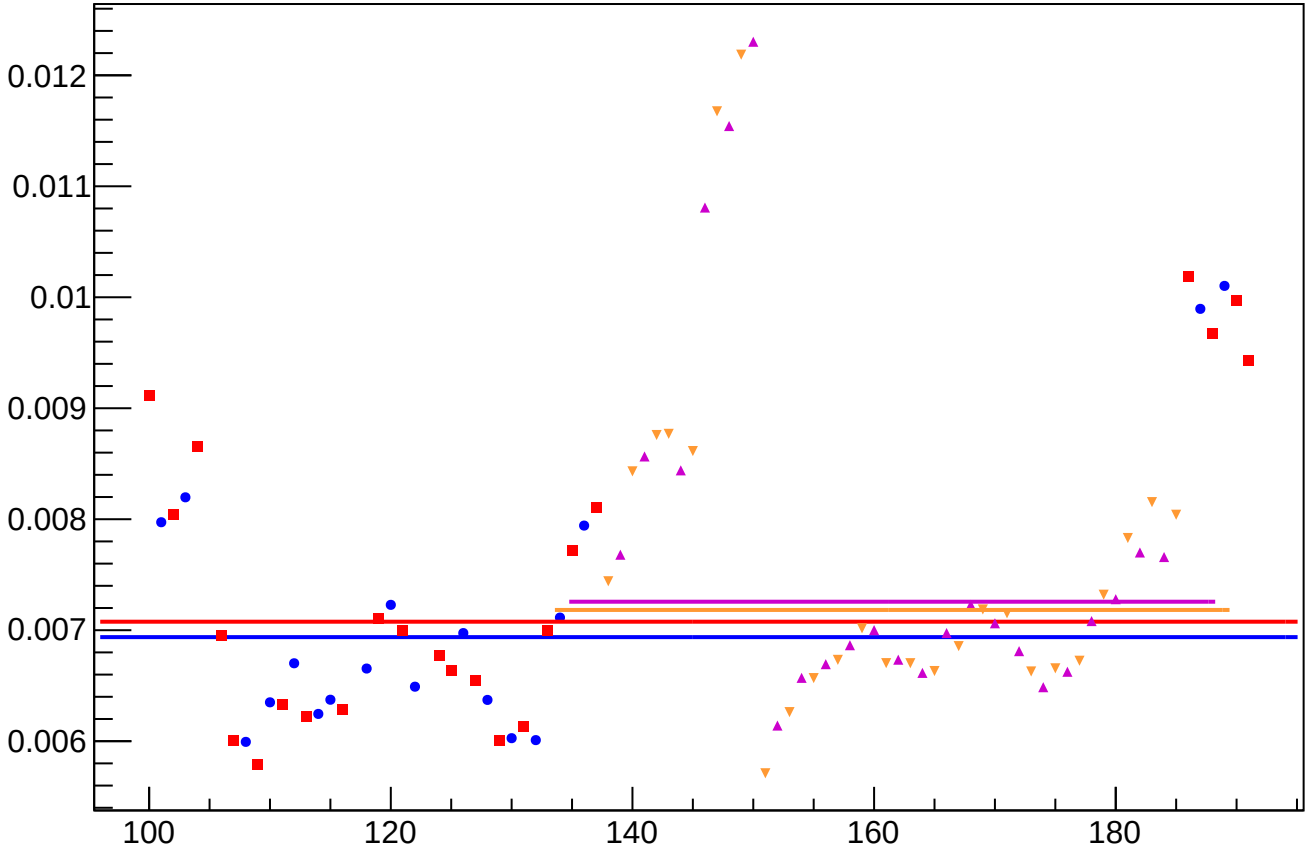
Left In: 1.101+/-0.000 χ^2/NDF:4201972548.8/22

+ sign 1.190+/-0.000 χ^2/NDF: 75586492123.9/42

All: 1.179+/-0.000 χ^2/NDF: 155291834752.3

- sign 1.168+/-0.000 χ^2/NDF: 79573462481.7/45

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

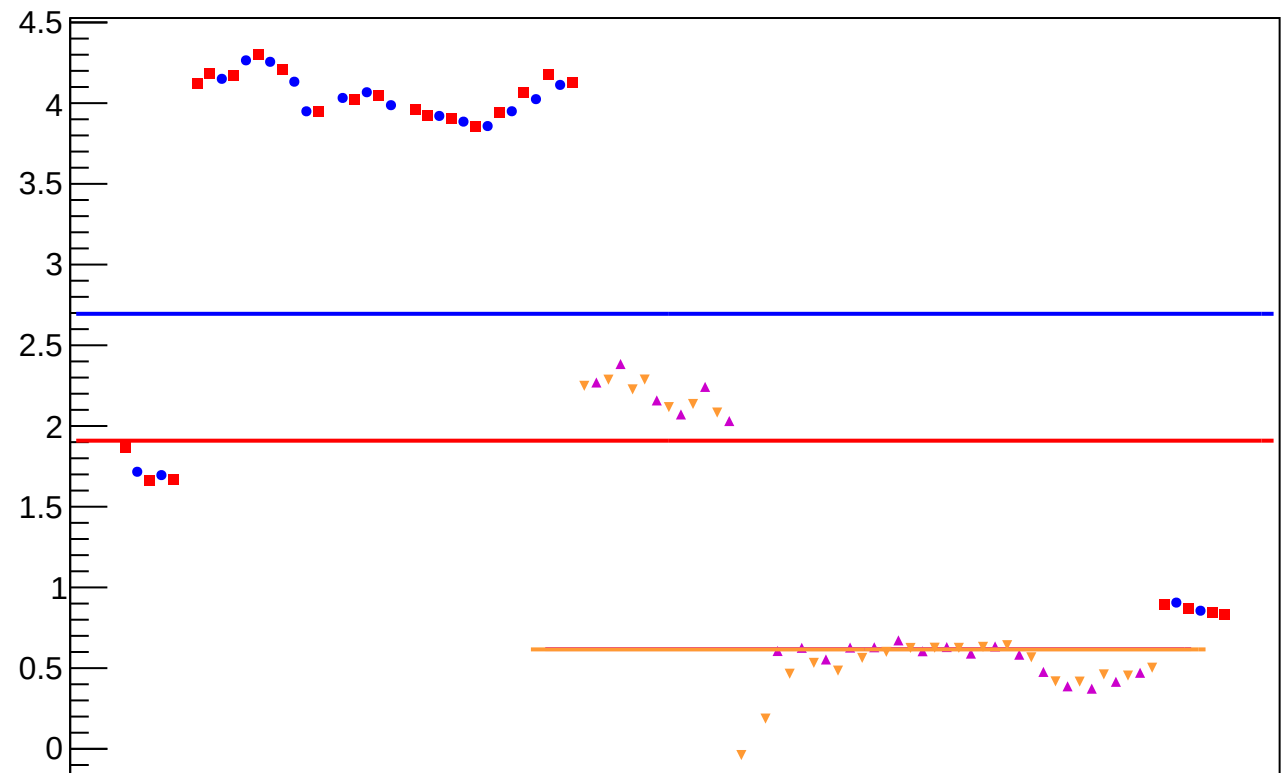
Right Out: 0.007+/-0.000 χ^2/NDF: 538163.6/22

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: 2681371.5/88

- sign 0.007+/-0.000 χ^2/NDF: 1462506.5/45



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: 1.909+/-0.000 χ^2/NDF: 1359644126411.4/22

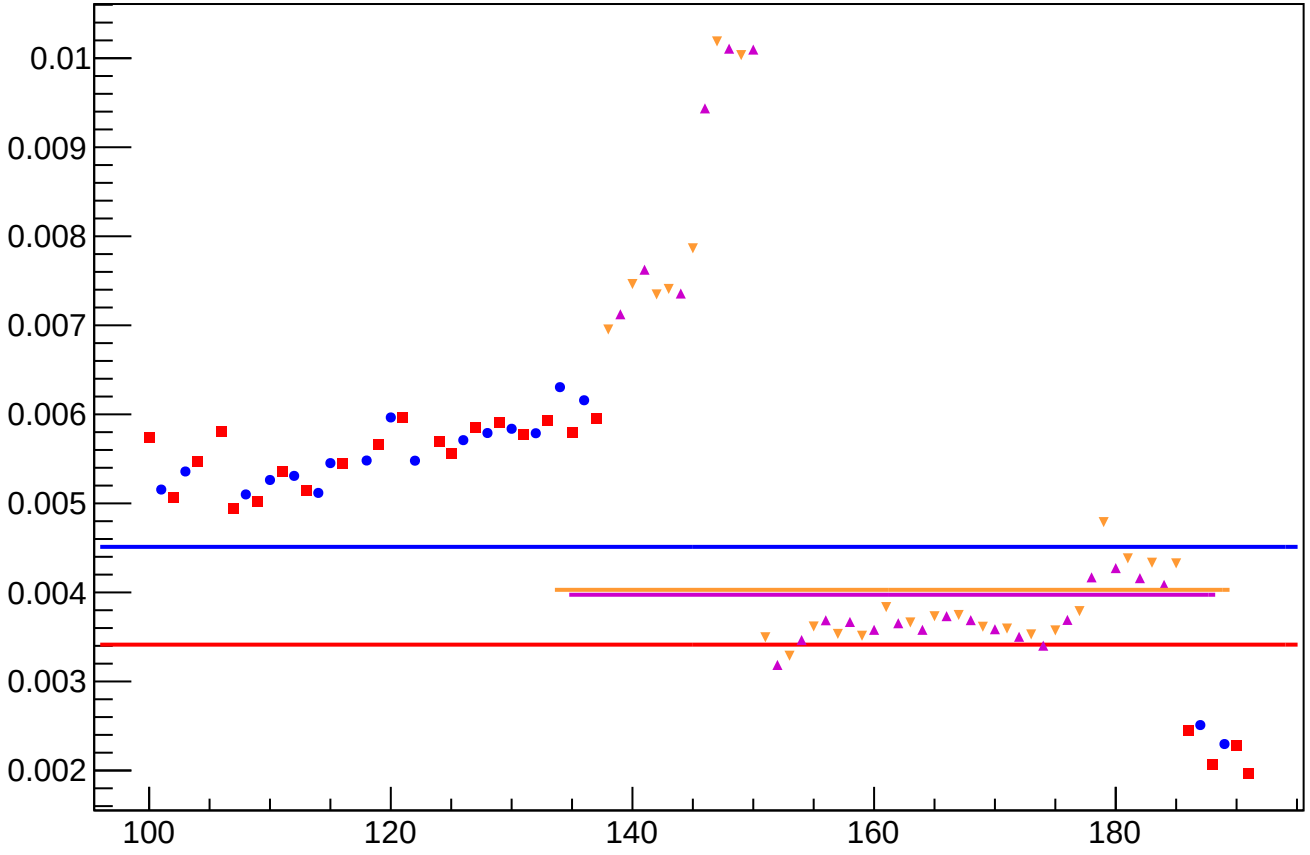
Left In: 0.618+/-0.000 χ^2/NDF:254248143278.9/22

+ sign 1.126+/-0.000 χ^2/NDF: 2138035380808.6/42

All: 1.119+/-0.000 χ^2/NDF: 4407101509394.

- sign 1.112+/-0.000 χ^2/NDF: 2268914538402.0/45

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: 0.003+/-0.000 χ^2/NDF: 3470661.9/22

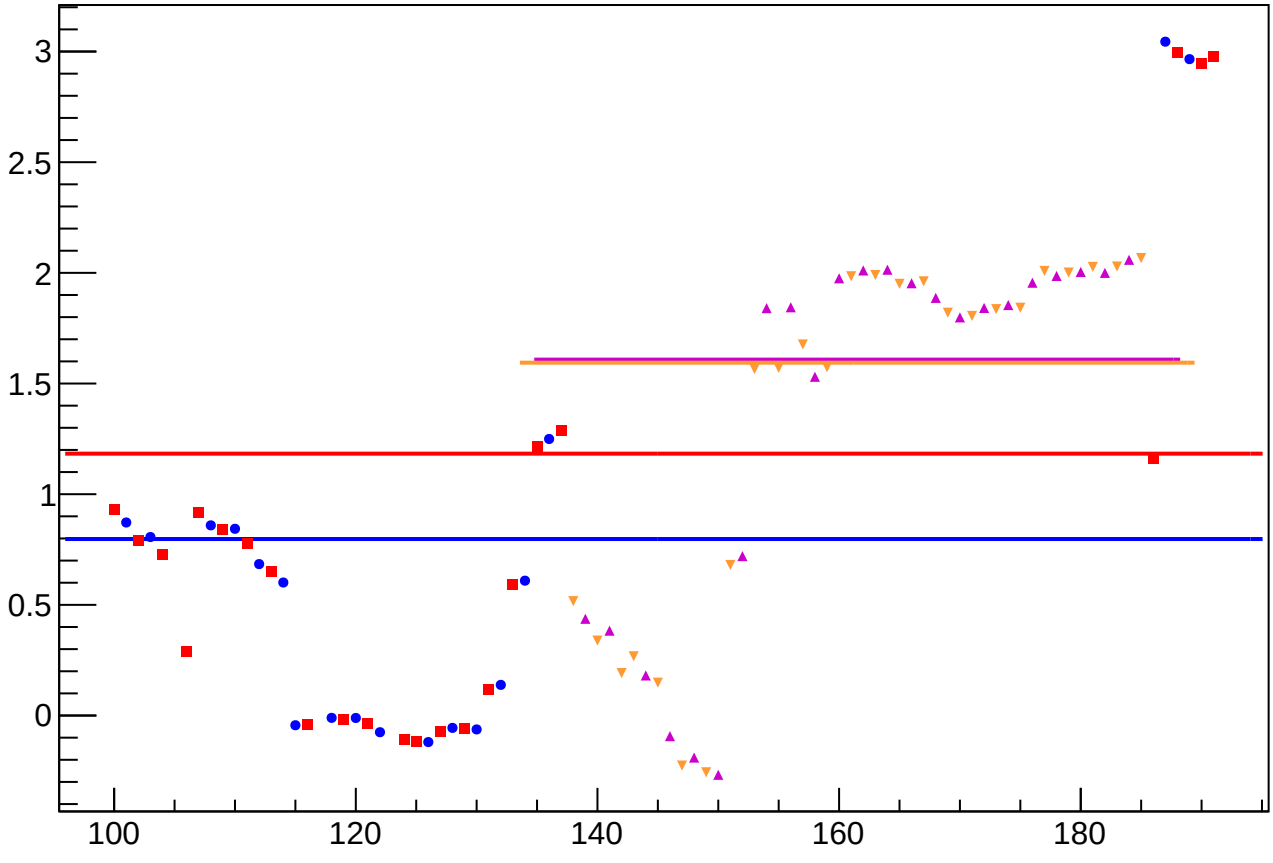
Left In: 0.004+/-0.000 χ^2/NDF:3121901.5/22

+ sign 0.004+/-0.000 χ^2/NDF: 4728717.6/42

All: 0.004+/-0.000 χ^2/NDF: 11797389.4/88

- sign 0.004+/-0.000 χ^2/NDF: 6839452.4/45

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: 1.183+/-0.000 χ^2/NDF: 74716820140.9/22

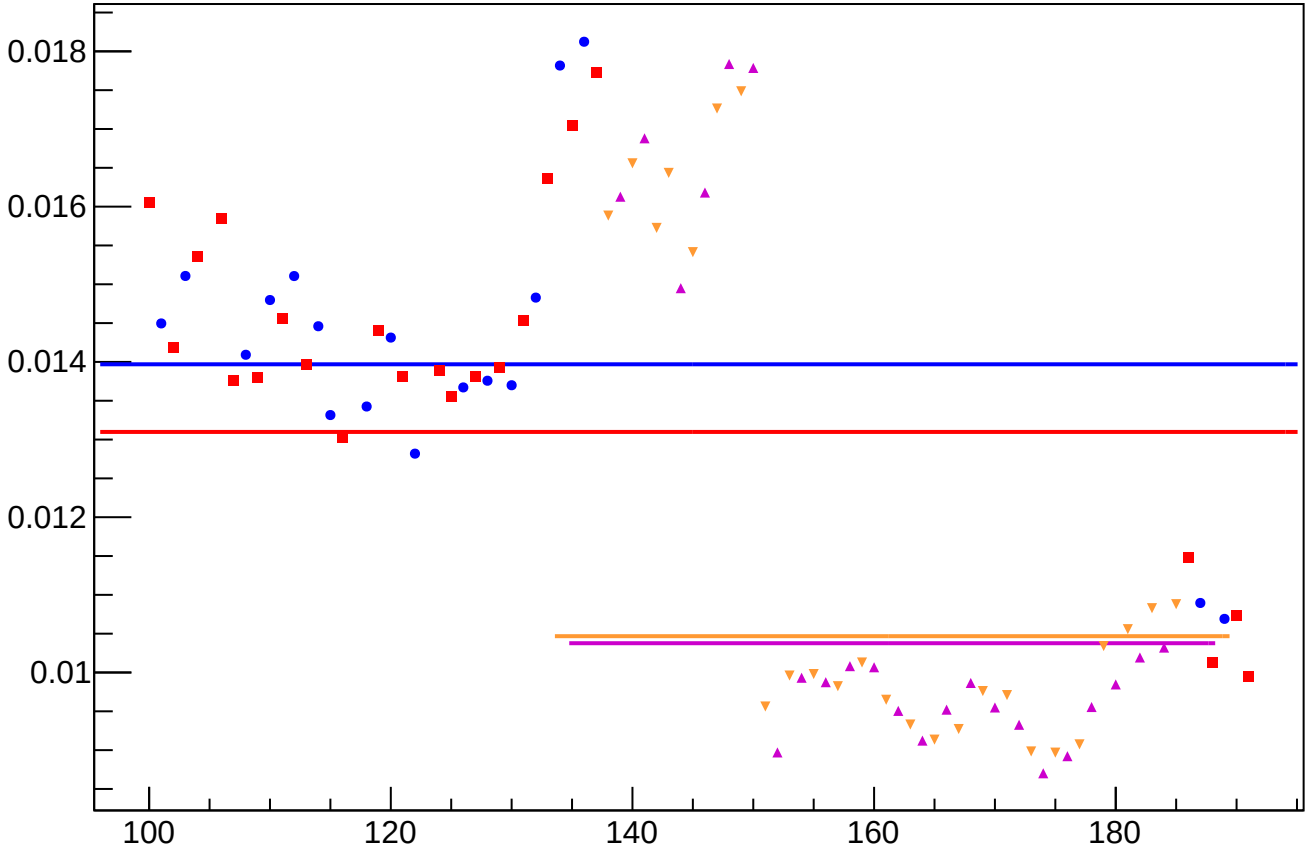
Left In: 1.608+/-0.000 χ^2/NDF:66403809503.4/22

+ sign 1.441+/-0.000 χ^2/NDF: 125303152378.8/42

All: 1.473+/-0.000 χ^2/NDF: 273979860390.0

- sign 1.503+/-0.000 χ^2/NDF: 148275588722.0/45

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

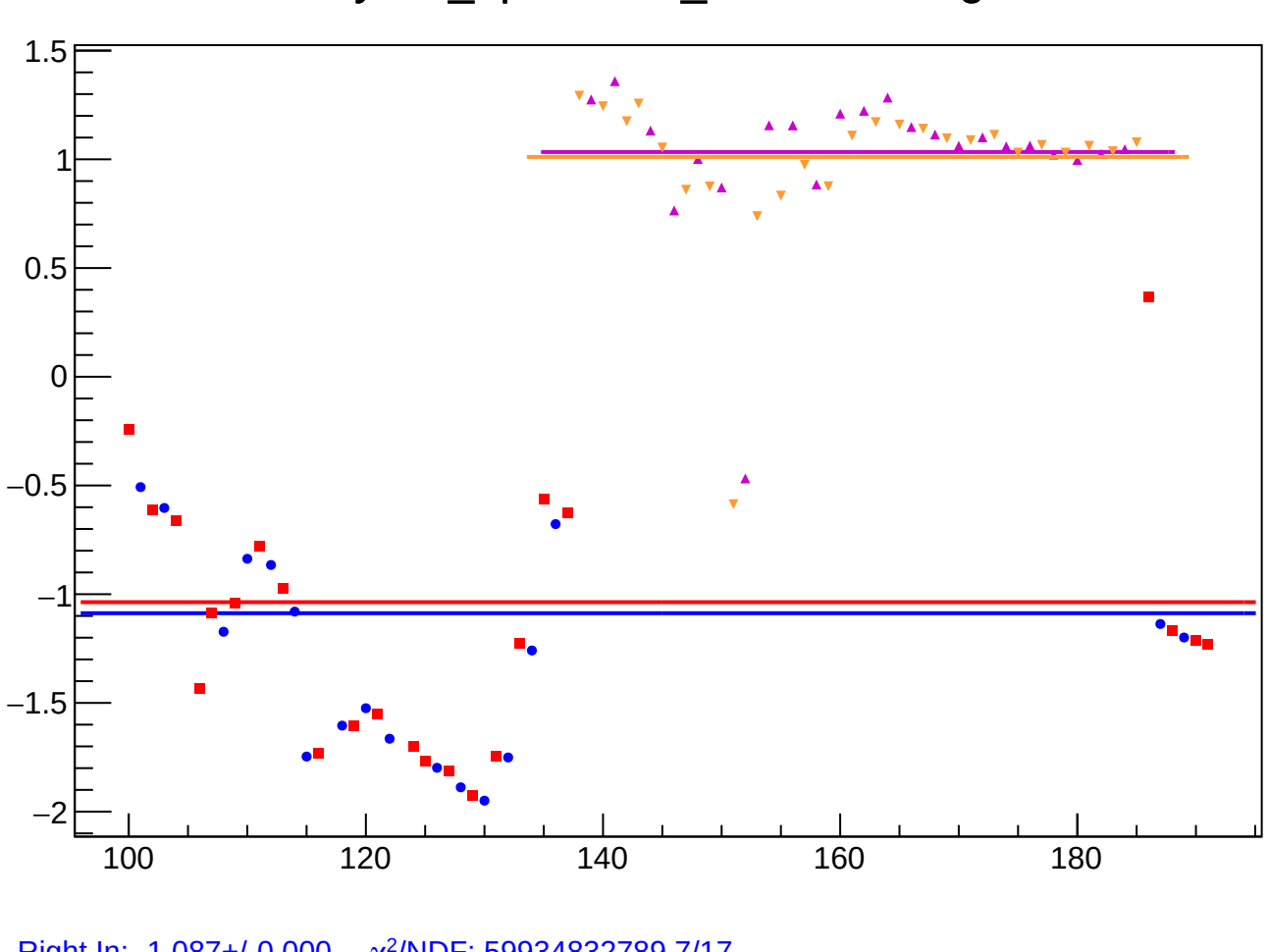
Right Out: 0.013+/-0.000 χ^2/NDF: 470881.6/22

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: 5501798.8/88

- sign 0.011+/-0.000 χ^2/NDF: 2768533.8/45



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: -1.037+/-0.000 χ^2/NDF: 67205430317.6/22

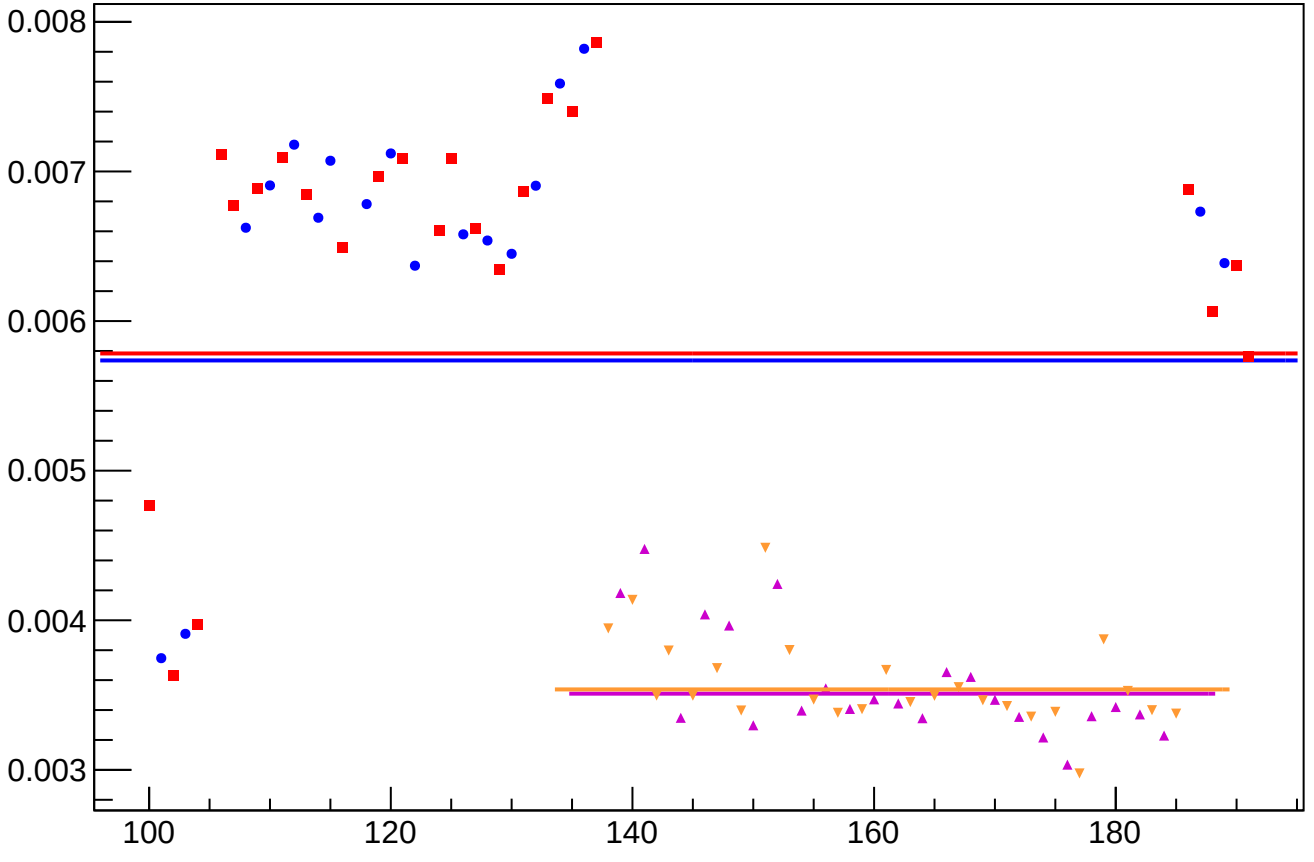
Left In: 1.034+/-0.000 χ^2/NDF:125385050389.9/22

+ sign 0.734+/-0.000 χ^2/NDF: 988875360981.4/42

All: 0.722+/-0.000 χ^2/NDF: 2082672640009.

- sign 0.710+/-0.000 χ^2/NDF: 1093362497780.0/45

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: 1013865.2/22

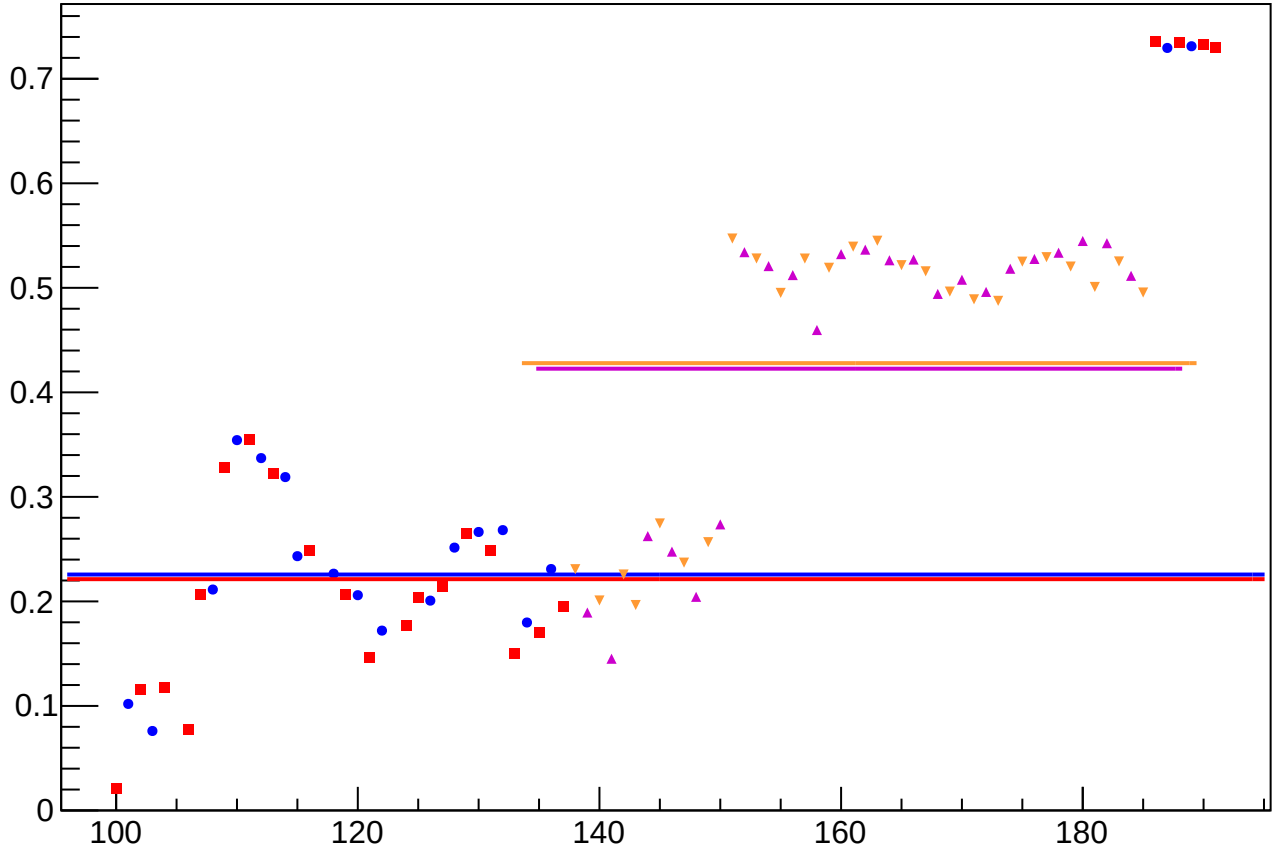
Left In: 0.004+/-0.000 χ^2/NDF:284960.7/22

+ sign 0.004+/-0.000 χ^2/NDF: 2976449.8/42

All: 0.004+/-0.000 χ^2/NDF: 6450836.5/88

- sign 0.004+/-0.000 χ^2/NDF: 3472281.0/45

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: 0.221+/-0.000 χ^2/NDF: 55928813141.6/22

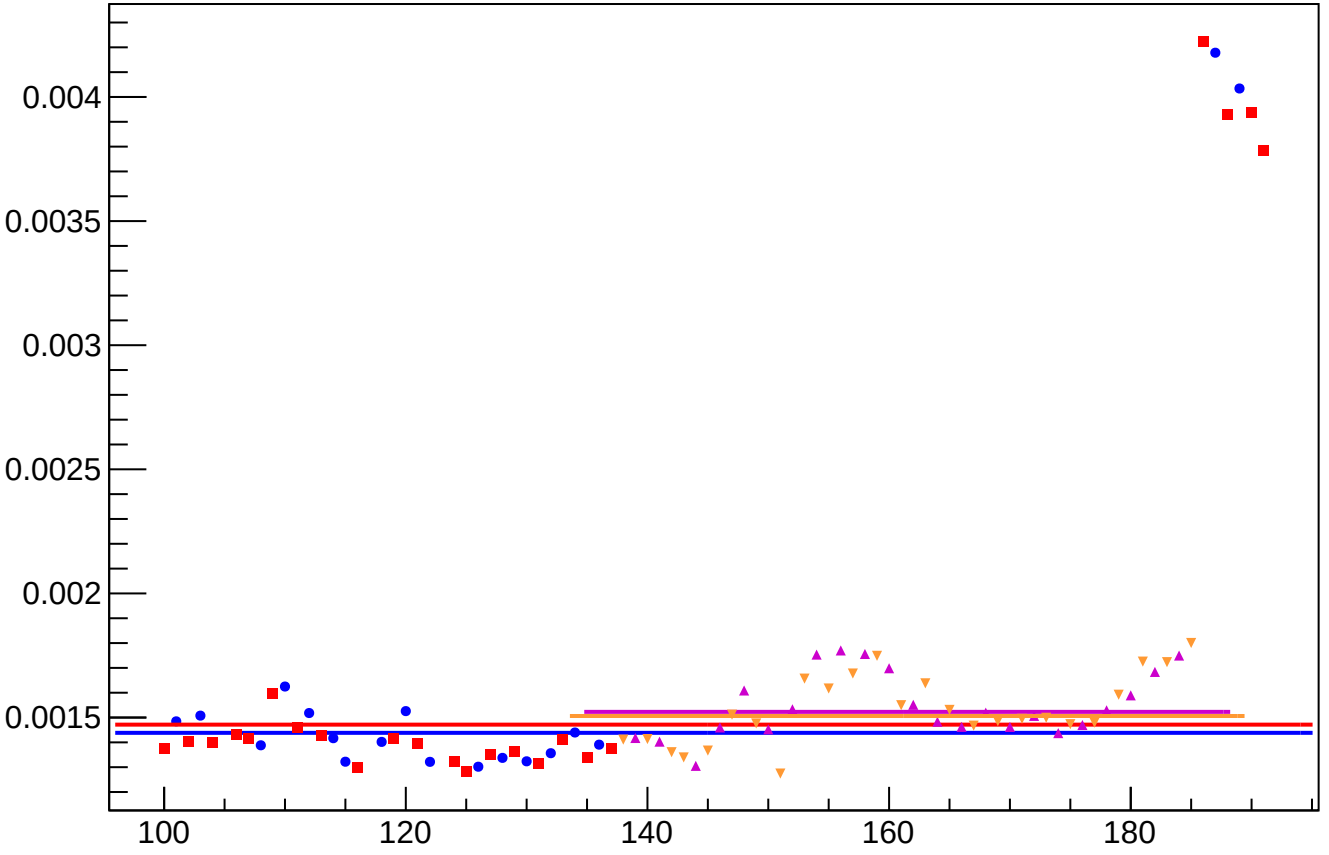
Left In: 0.423+/-0.000 χ^2/NDF:158122093061.2/22

+ sign 0.368+/-0.000 χ^2/NDF: 283715860647.1/42

All: 0.361+/-0.000 χ^2/NDF: 604247646522.8

- sign 0.355+/-0.000 χ^2/NDF: 319564183976.7/45

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

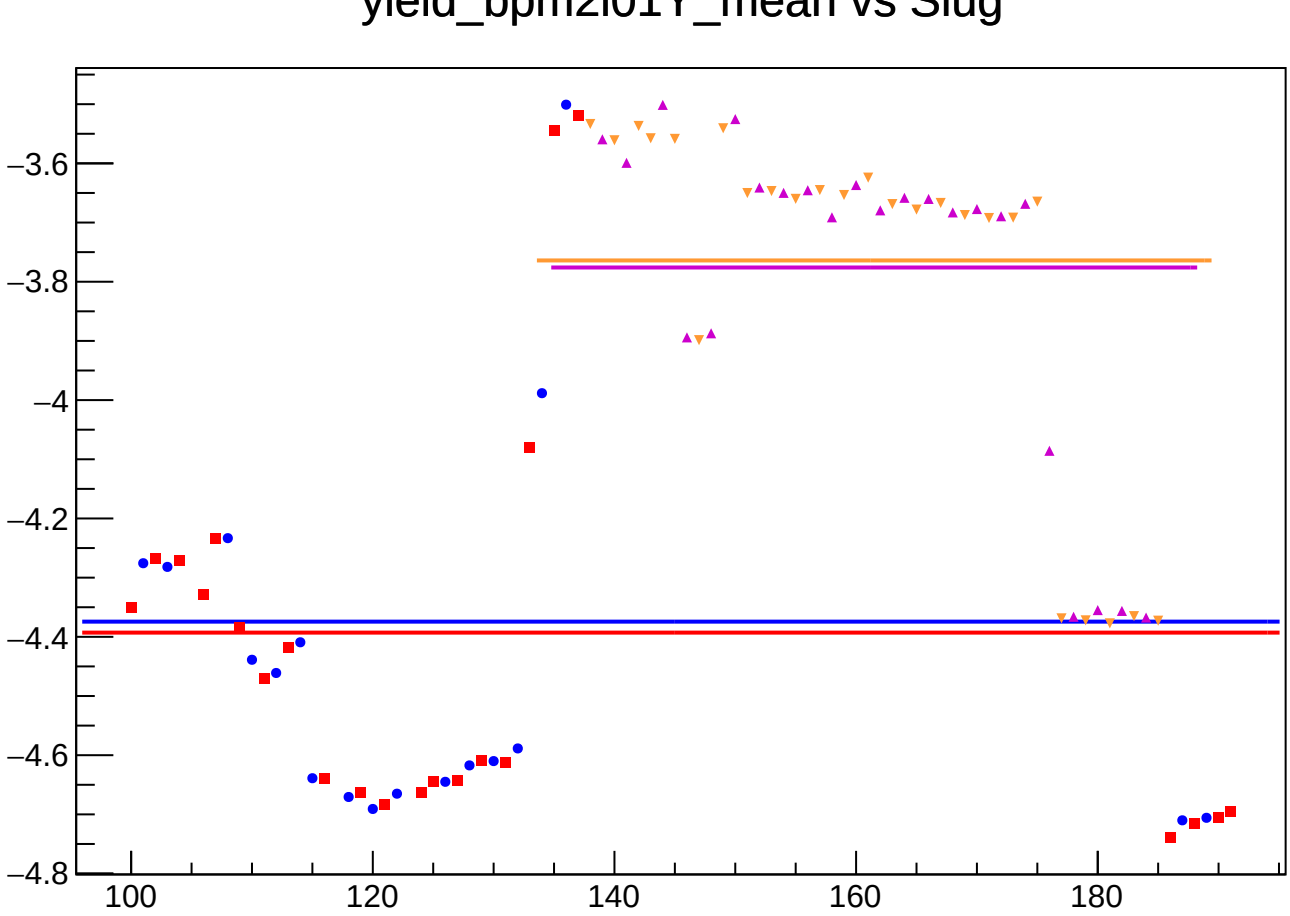
Right Out: 0.001+/-0.000 χ^2/NDF: 1628179.8/22

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: 2833178.5/88

- sign 0.002+/-0.000 χ^2/NDF: 1876648.0/45



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: -4.393+/-0.000 χ^2/NDF: 317928525488.0/22

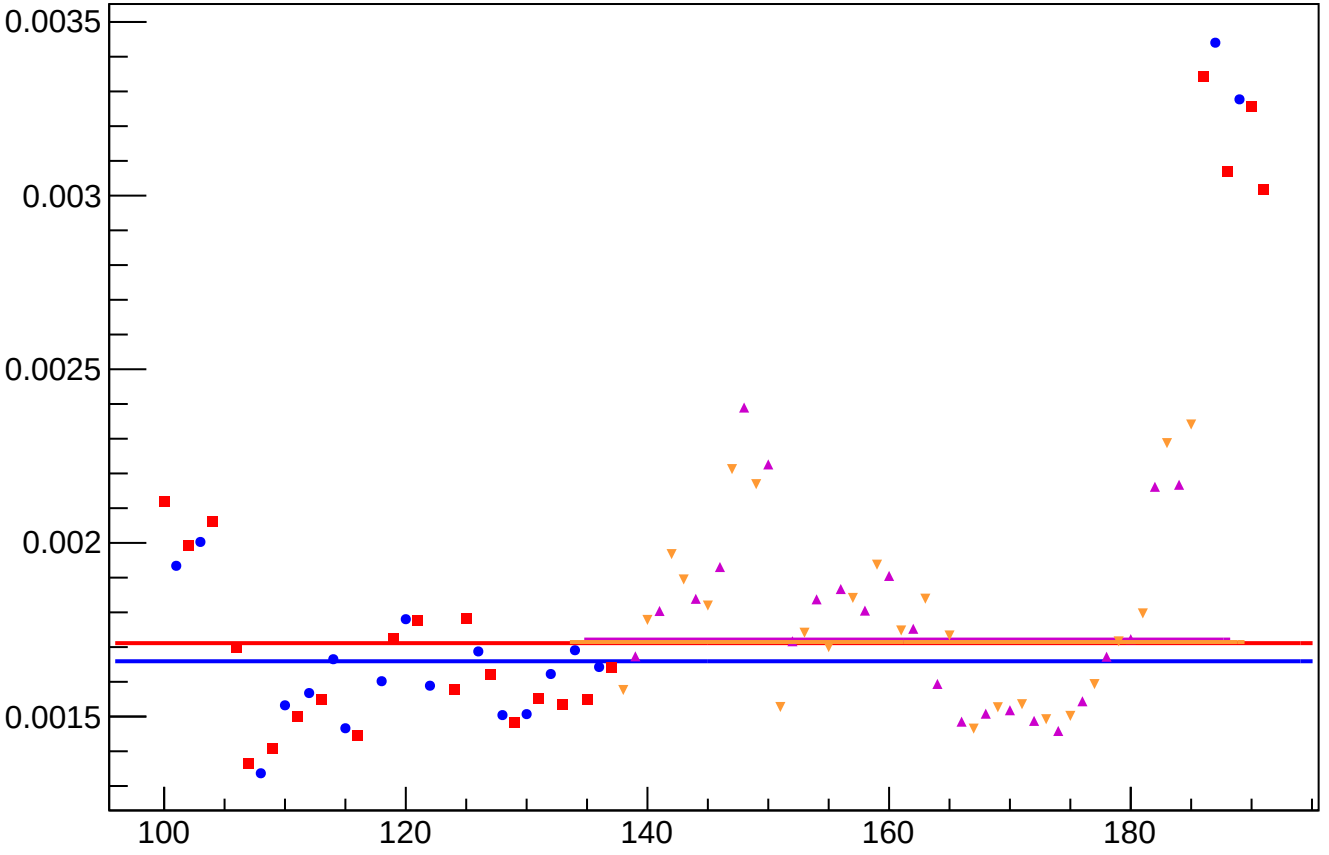
Left In: -3.776+/-0.000 χ^2/NDF:402659987166.3/22

+ sign -3.946+/-0.000 χ^2/NDF: 1544010674886.0/4

All: -3.963+/-0.000 χ^2/NDF: 3018429651213

- sign -3.981+/-0.000 χ^2/NDF: 1469066464677.7/45

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: 1047930.7/22

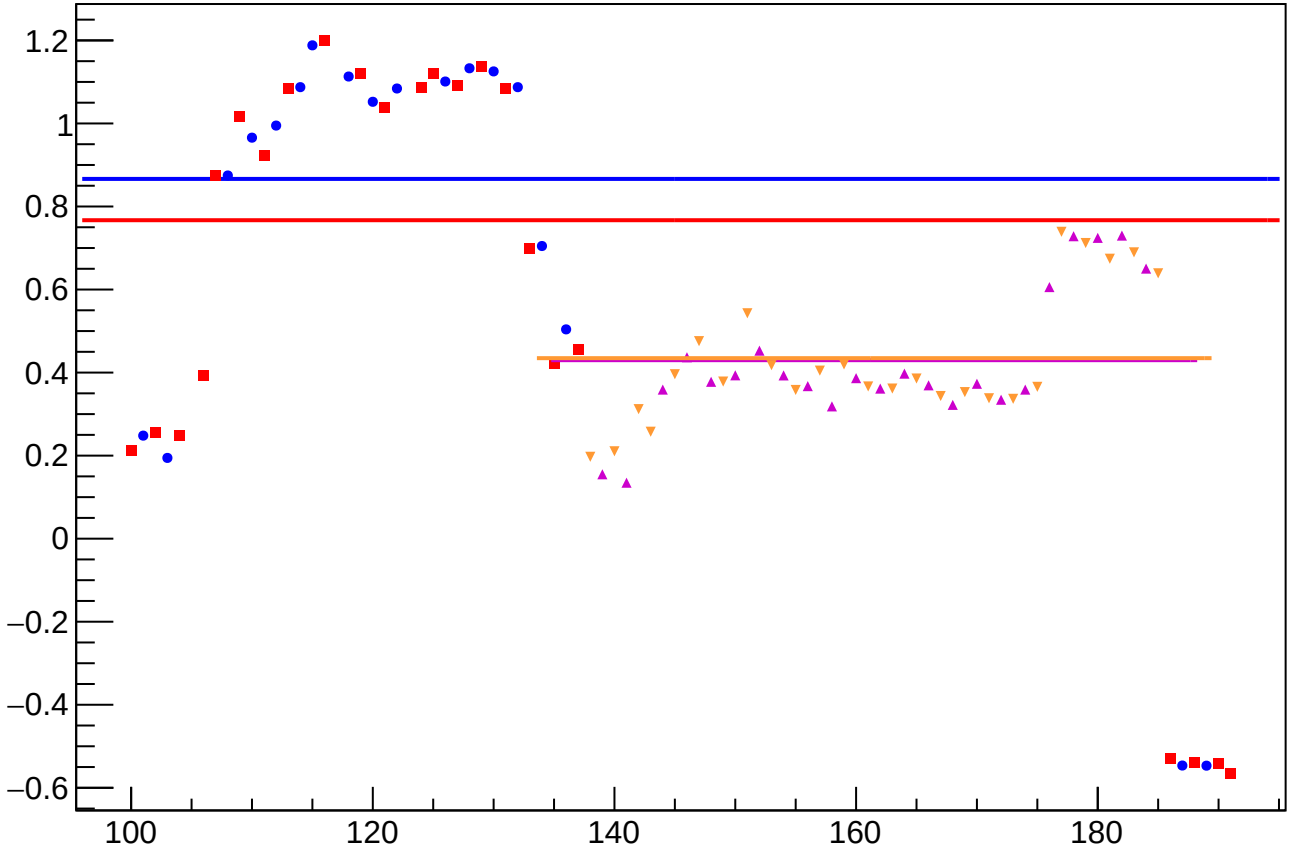
Left In: 0.002+/-0.000 χ^2/NDF:581878.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 1060679.7/42

All: 0.002+/-0.000 χ^2/NDF: 2694528.4/88

- sign 0.002+/-0.000 χ^2/NDF: 1630224.1/45

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: 0.767+/-0.000 χ^2/NDF: 52973589362.3/22

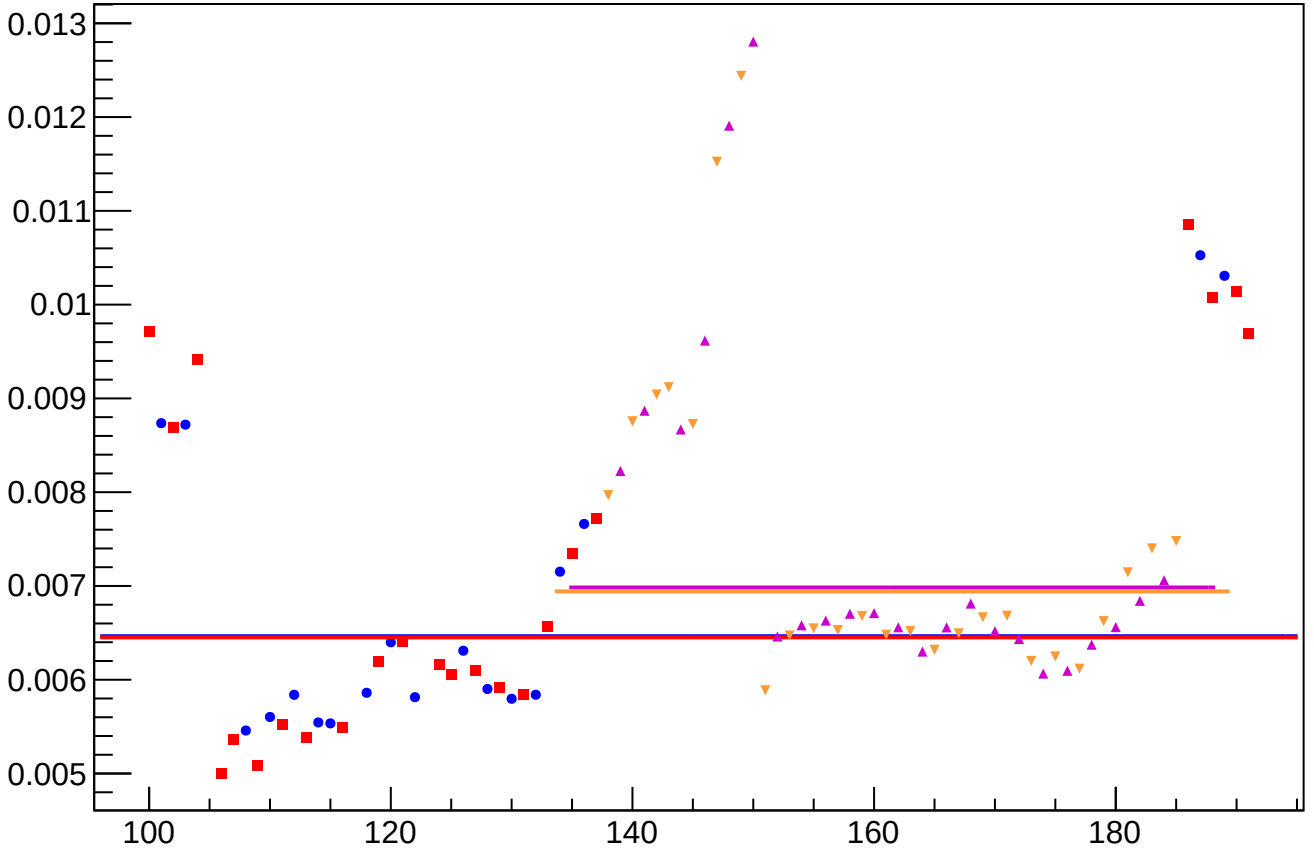
Left In: 0.430+/-0.000 χ^2/NDF:9041195997.1/22

+ sign 0.573+/-0.000 χ^2/NDF: 60017860166.4/42

All: 0.564+/-0.000 χ^2/NDF: 137415457422.7

- sign 0.555+/-0.000 χ^2/NDF: 77307960870.4/45

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

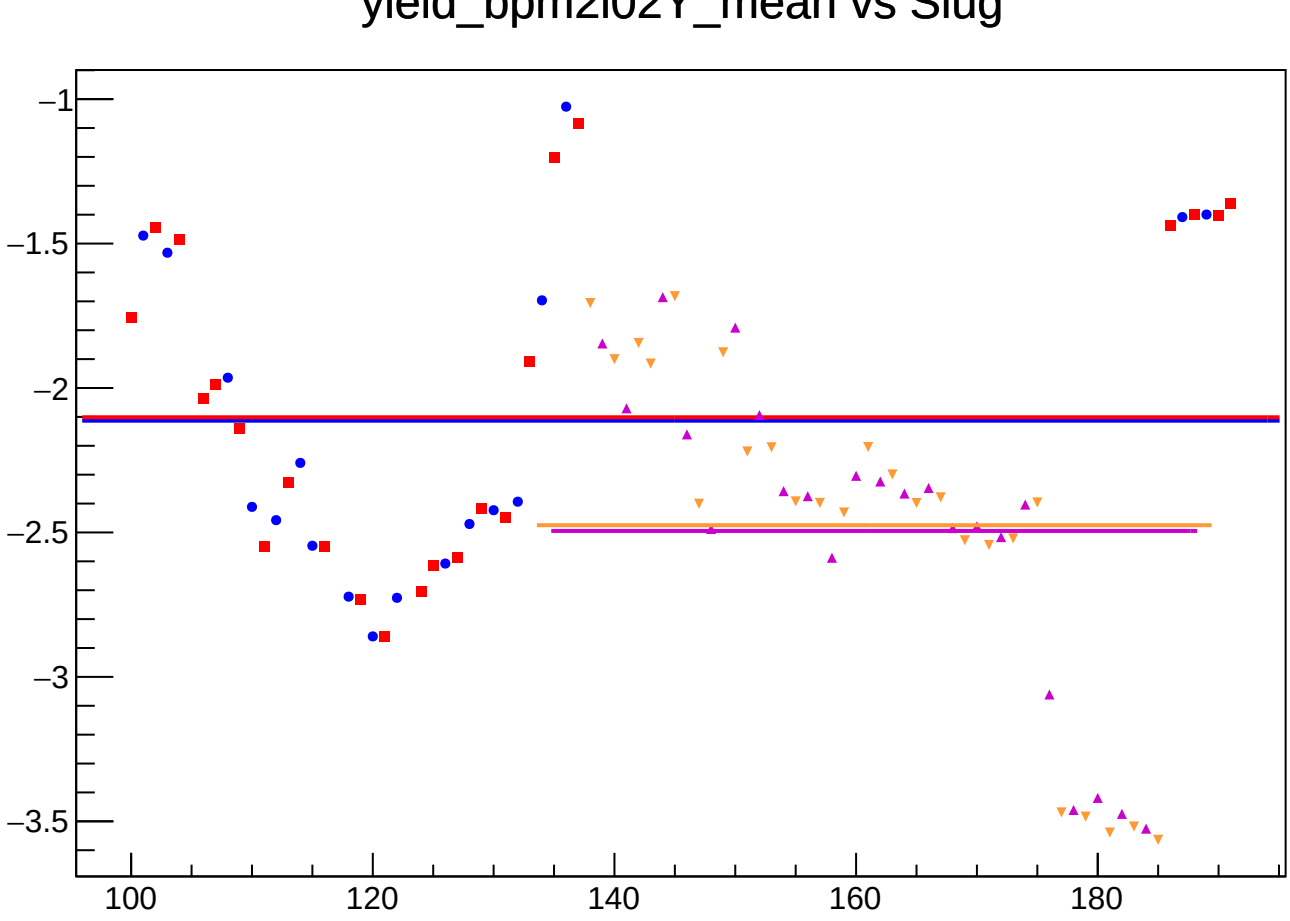
Right Out: 0.006+/-0.000 χ^2/NDF: 1012485.9/22

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: 3918944.9/88

- sign 0.007+/-0.000 χ^2/NDF: 2225212.7/45



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: -2.101+/-0.000 χ^2/NDF: 68973246500.3/22

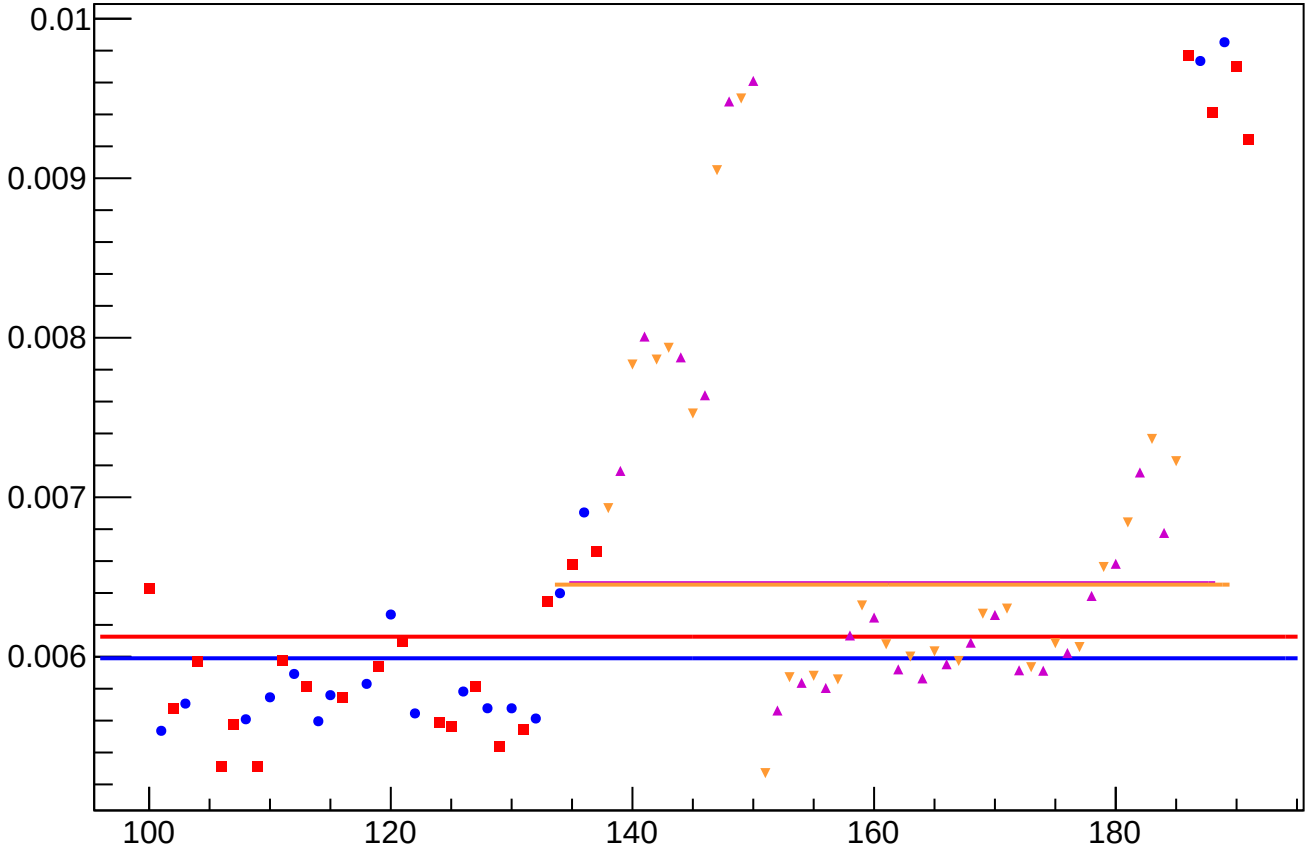
Left In: -2.495+/-0.000 χ^2/NDF:96774638297.6/22

+ sign -2.358+/-0.000 χ^2/NDF: 211674519597.2/42

All: -2.355+/-0.000 χ^2/NDF: 401481559722.9

- sign -2.352+/-0.000 χ^2/NDF: 189796350812.8/45

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

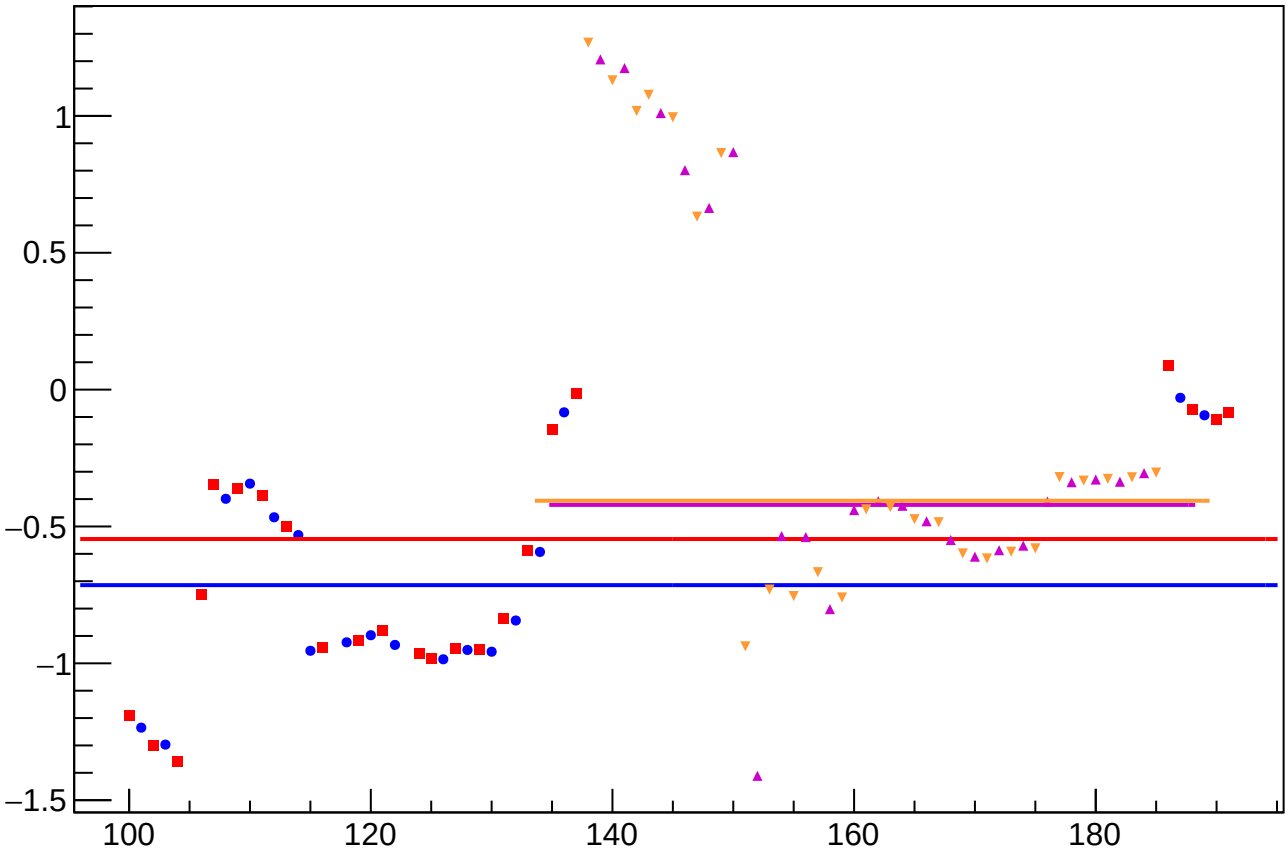
Right Out: 0.006+/-0.000 χ^2/NDF: 598995.7/22

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: 2415106.1/88

- sign 0.006+/-0.000 χ^2/NDF: 1354566.9/45



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: -0.546+/-0.000 χ^2/NDF: 20732878333.0/22

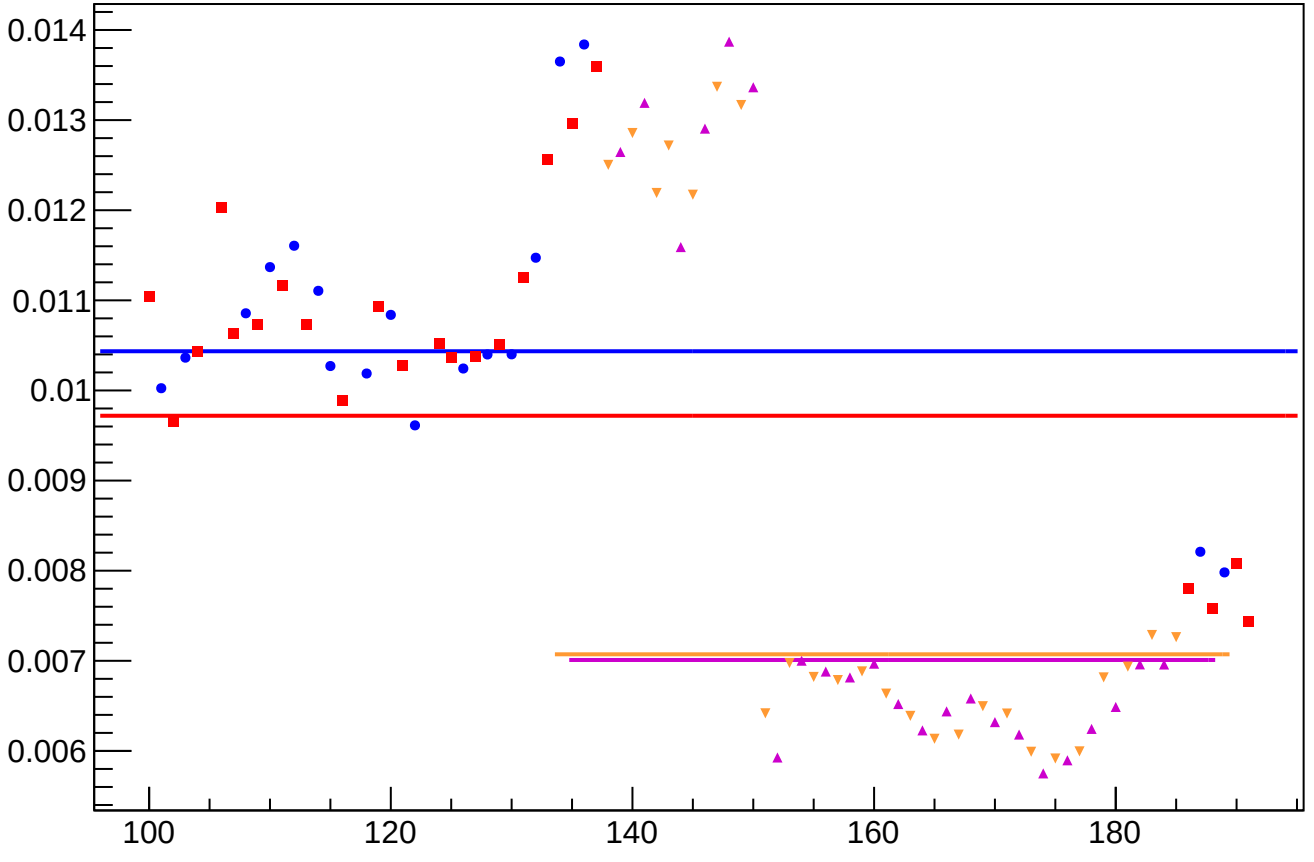
Left In: -0.421+/-0.000 χ^2/NDF:90241717621.7/22

+ sign -0.457+/-0.000 χ^2/NDF: 99577108849.8/42

All: -0.453+/-0.000 χ^2/NDF: 211720316240.4

- sign -0.448+/-0.000 χ^2/NDF: 112126911189.9/45

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

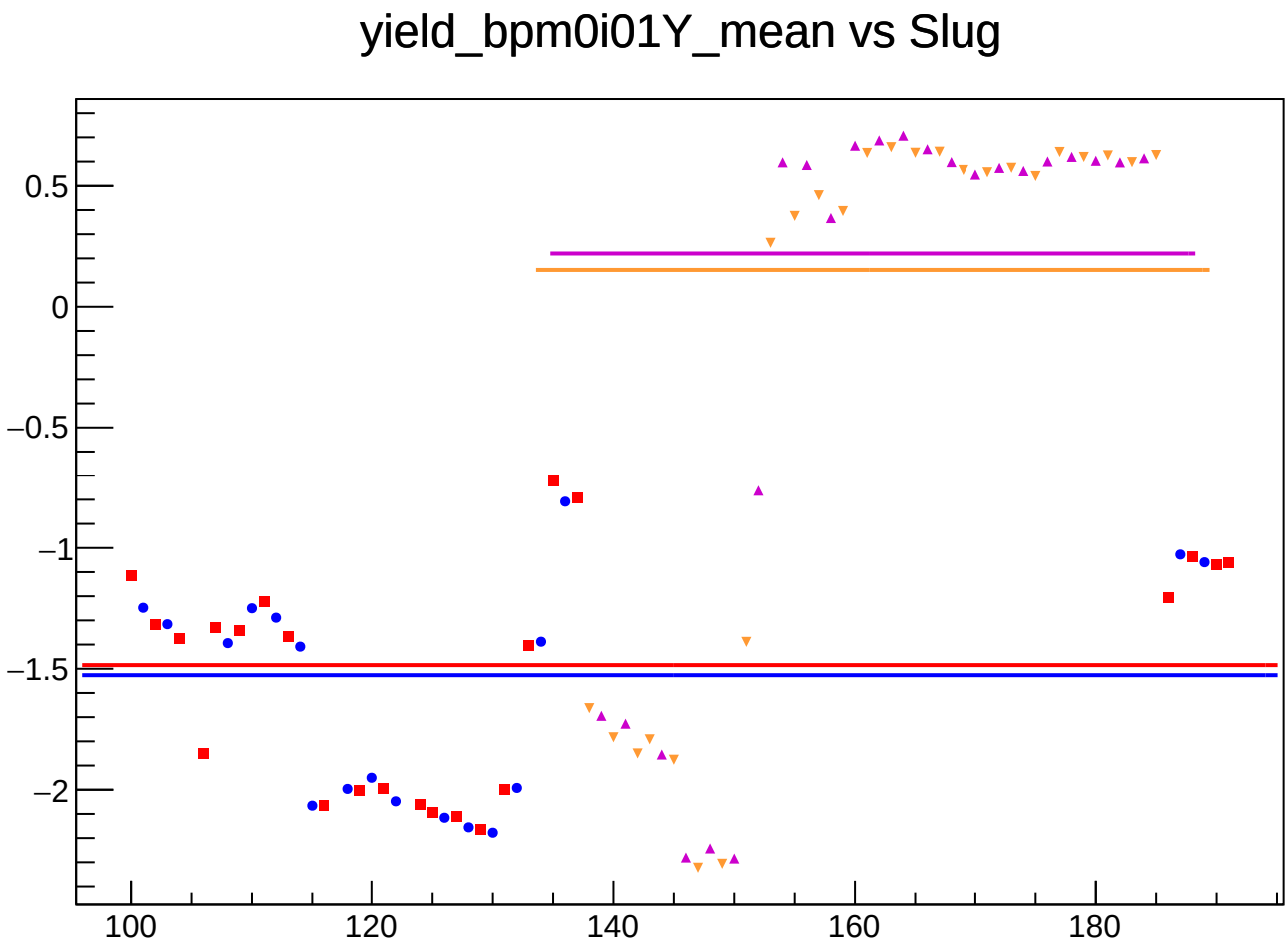
Right Out: 0.010+/-0.000 χ^2/NDF: 517874.0/22

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: 8084024.3/88

- sign 0.008+/-0.000 χ^2/NDF: 4064085.0/45



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: -1.485+/-0.000 χ^2/NDF: 160495605145.0/22

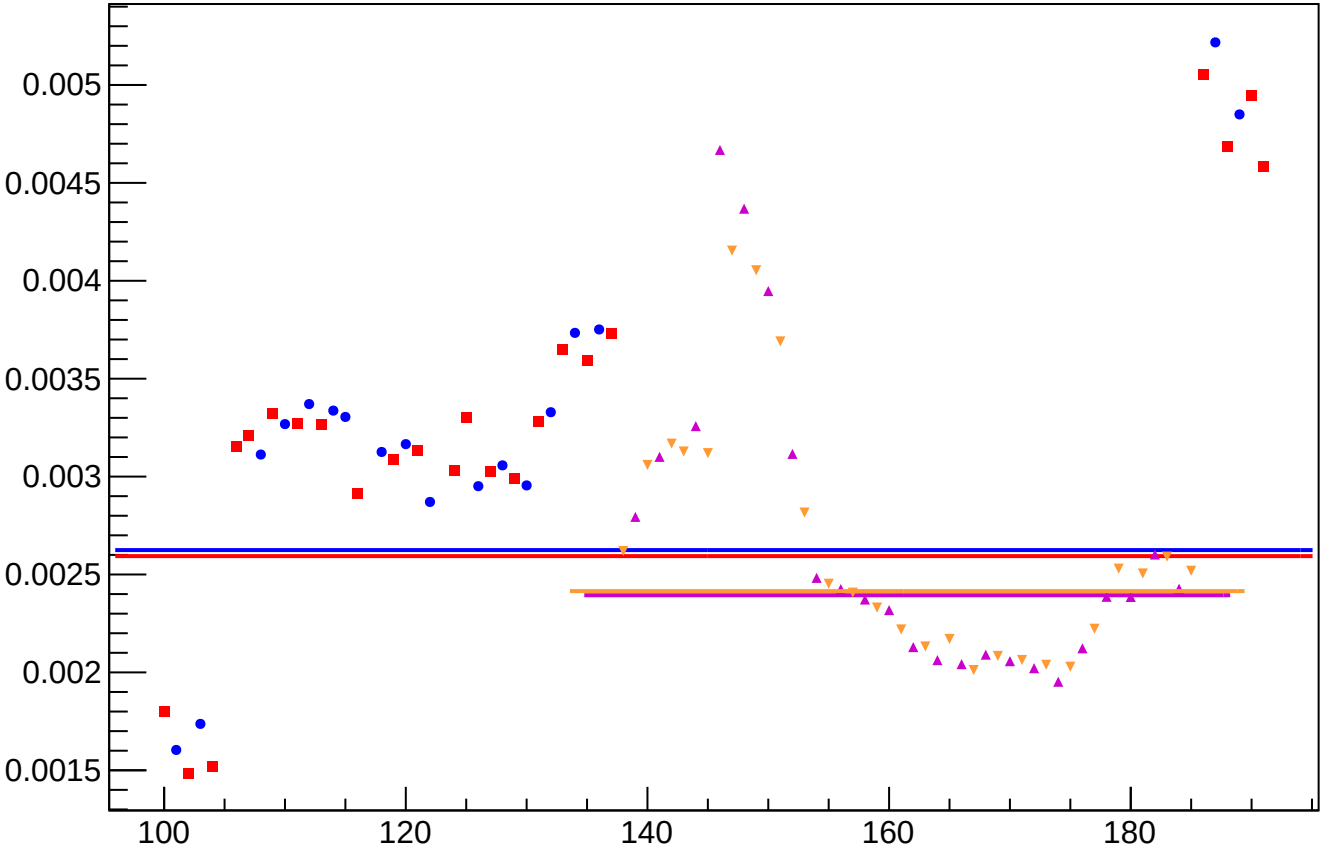
Left In: 0.220+/-0.000 χ^2/NDF:2121977245985.6/22

+ sign -0.261+/-0.000 χ^2/NDF: 4600207744519.9/4

All: -0.262+/-0.000 χ^2/NDF: 917752276707

- sign -0.263+/-0.000 χ^2/NDF: 4577312970588.9/45

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

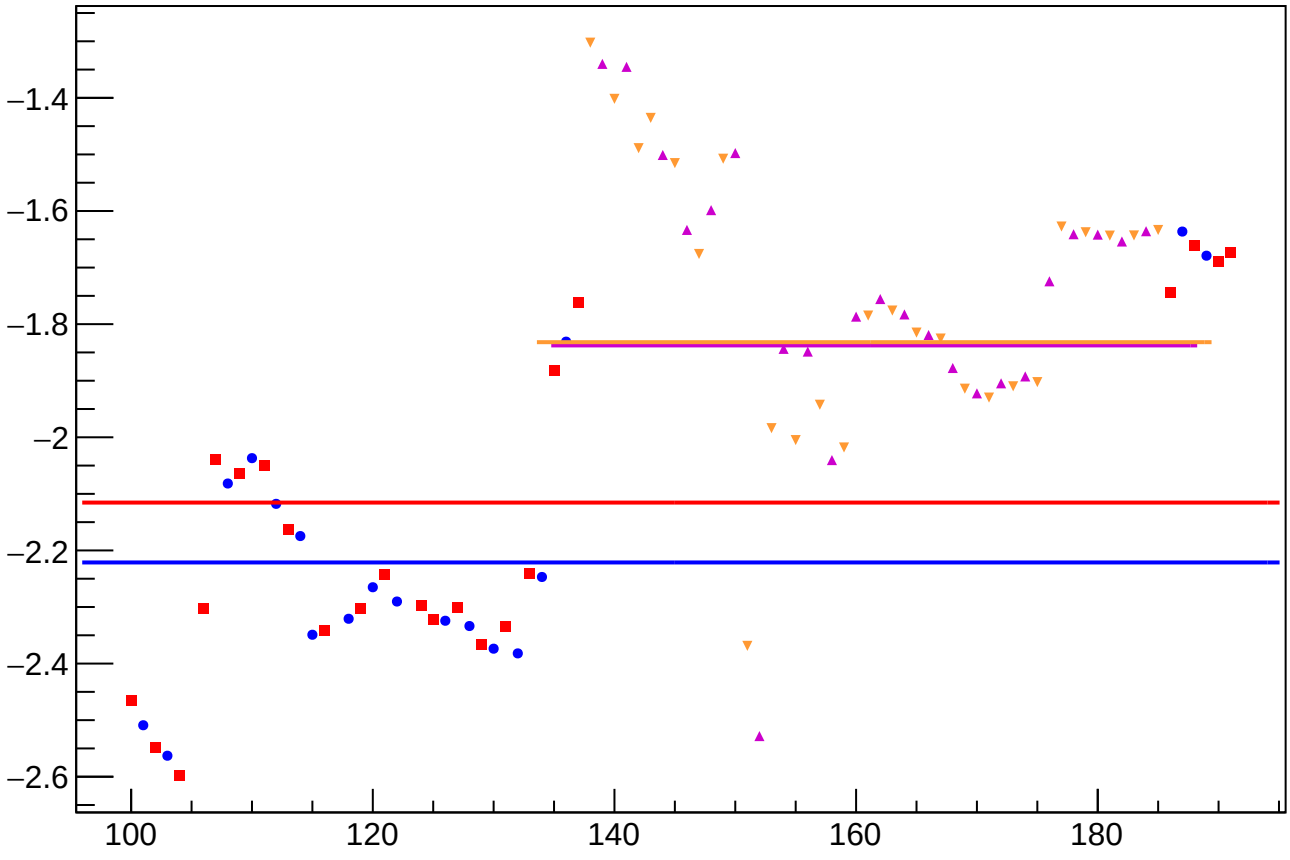
Right Out: 0.003+/-0.000 χ^2/NDF: 2418397.7/22

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: 6660989.1/88

- sign 0.002+/-0.000 χ^2/NDF: 3890983.2/45



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: -2.115+/-0.000 χ^2/NDF: 24789340998.7/22

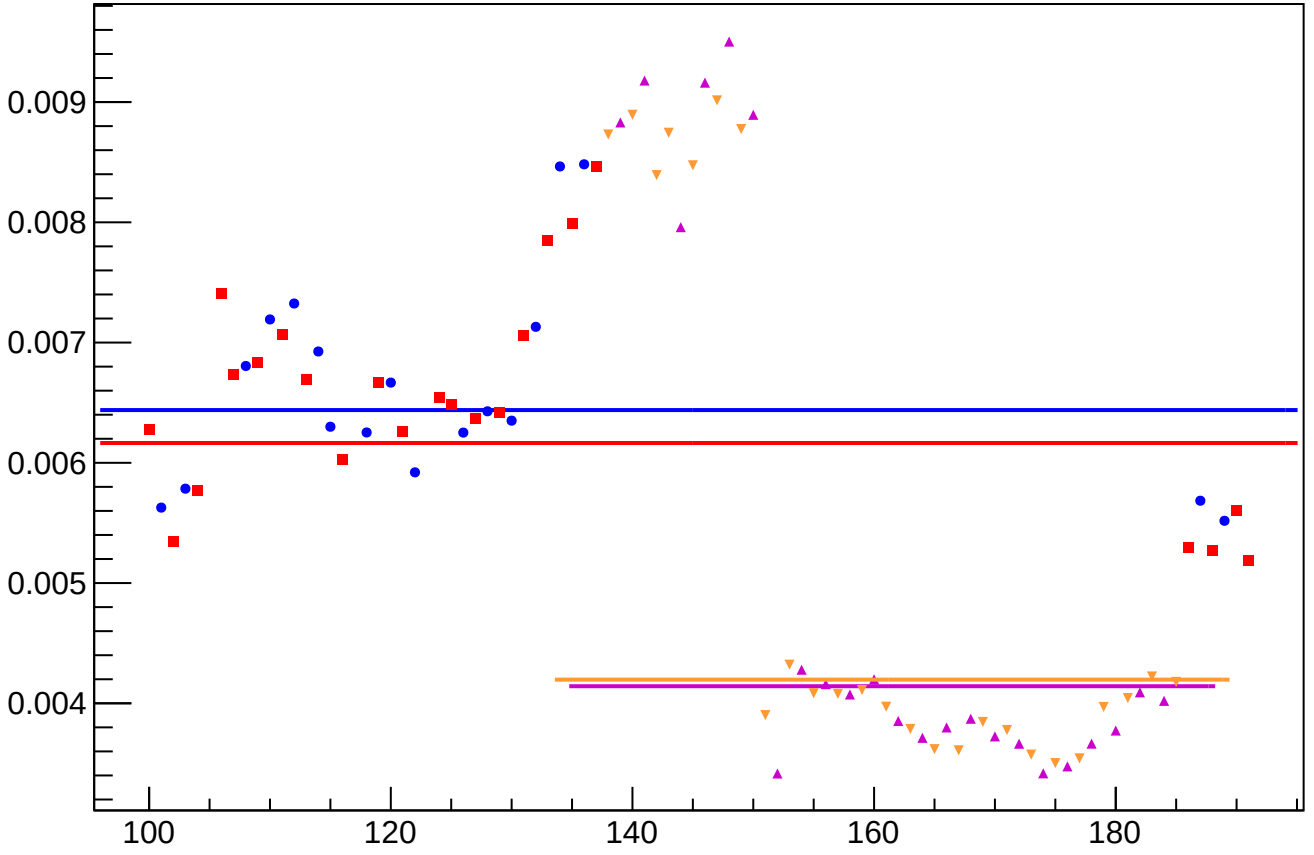
Left In: -1.838+/-0.000 χ^2/NDF:53437434367.2/22

+ sign -1.893+/-0.000 χ^2/NDF: 75752379422.7/42

All: -1.893+/-0.000 χ^2/NDF: 168524746433.9

- sign -1.893+/-0.000 χ^2/NDF: 92772344958.7/45

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: 326447.1/22

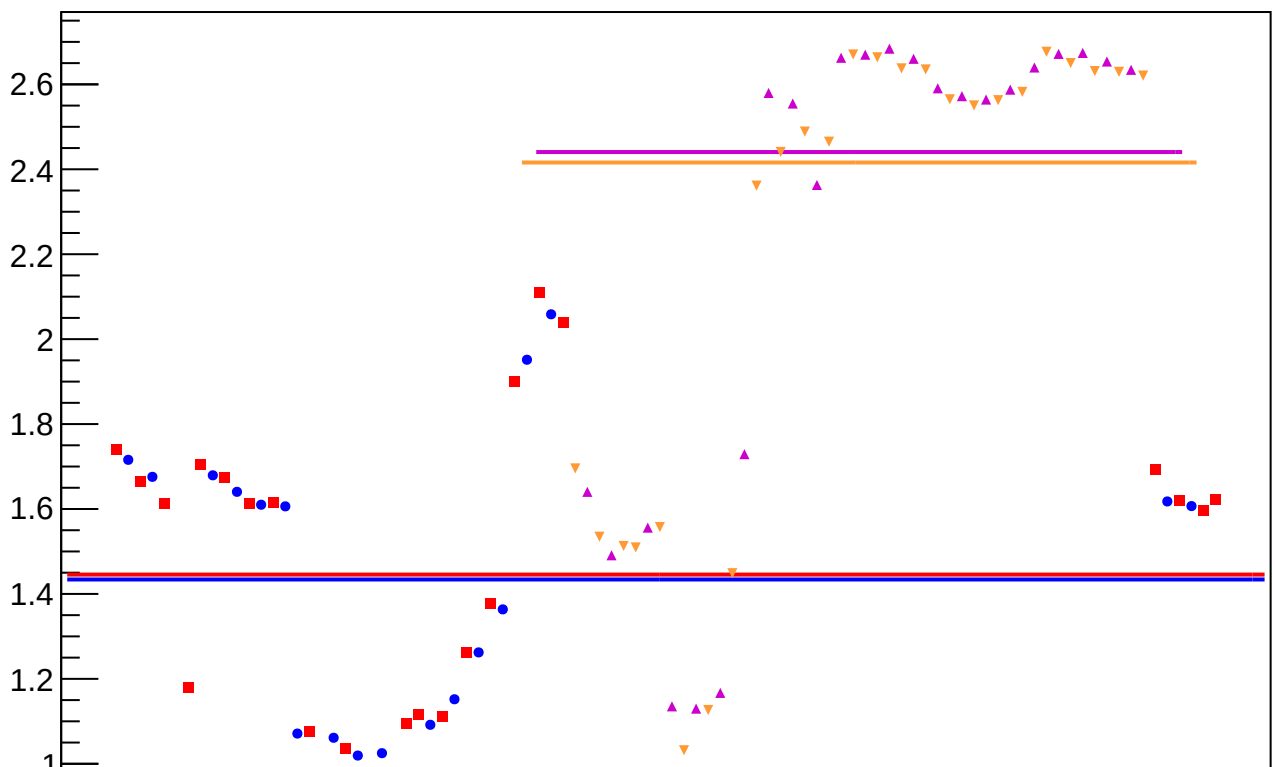
Left In: 0.004+/-0.000 χ^2/NDF:3193924.3/22

\+ sign 0.005+/-0.000 χ^2/NDF: 4904270.4/42

All: 0.005+/-0.000 χ^2/NDF: 9967059.6/88

\- sign 0.005+/-0.000 χ^2/NDF: 5062771.2/45

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

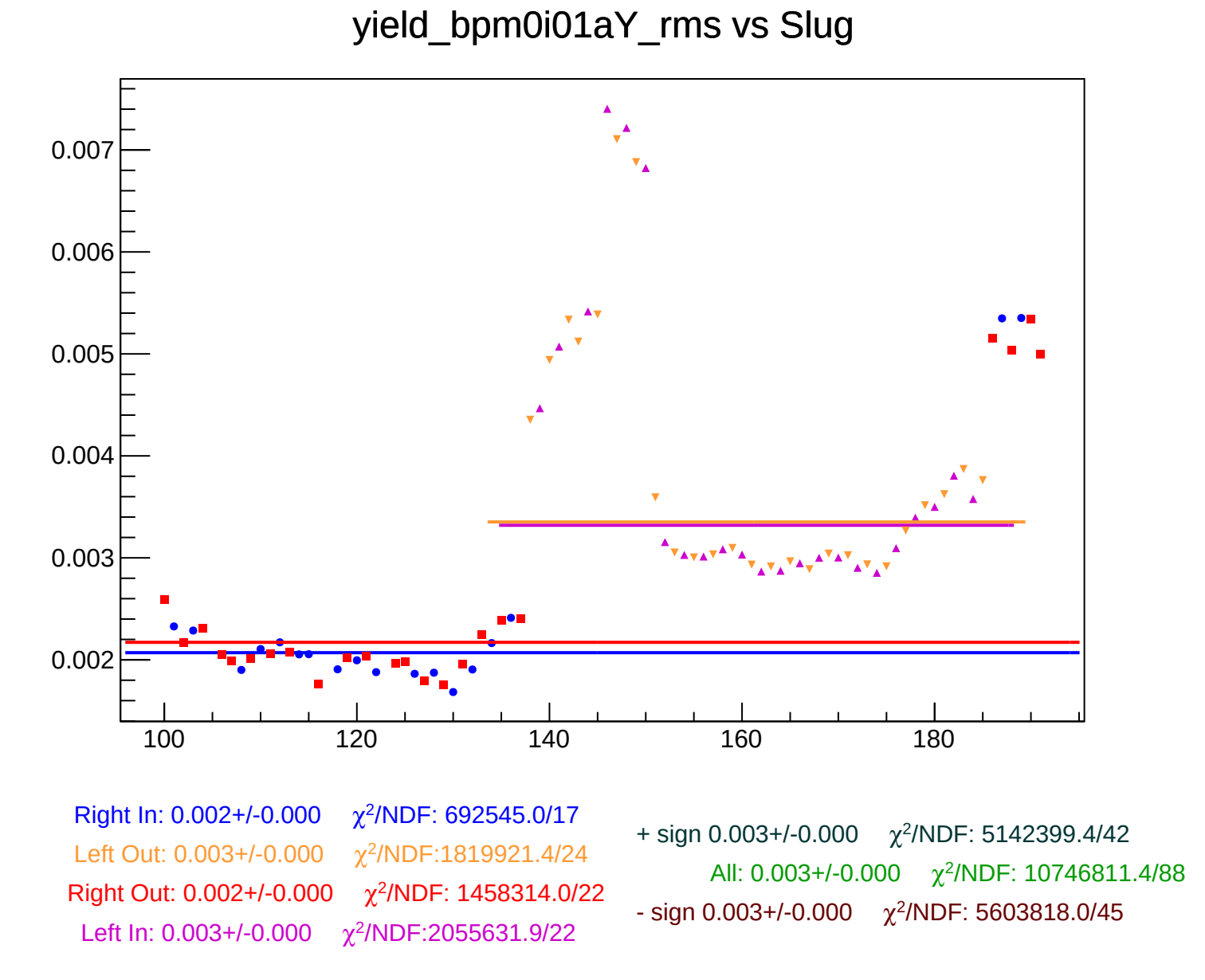
Right Out: 1.446+/-0.000 χ^2/NDF: 184814116937.0/22

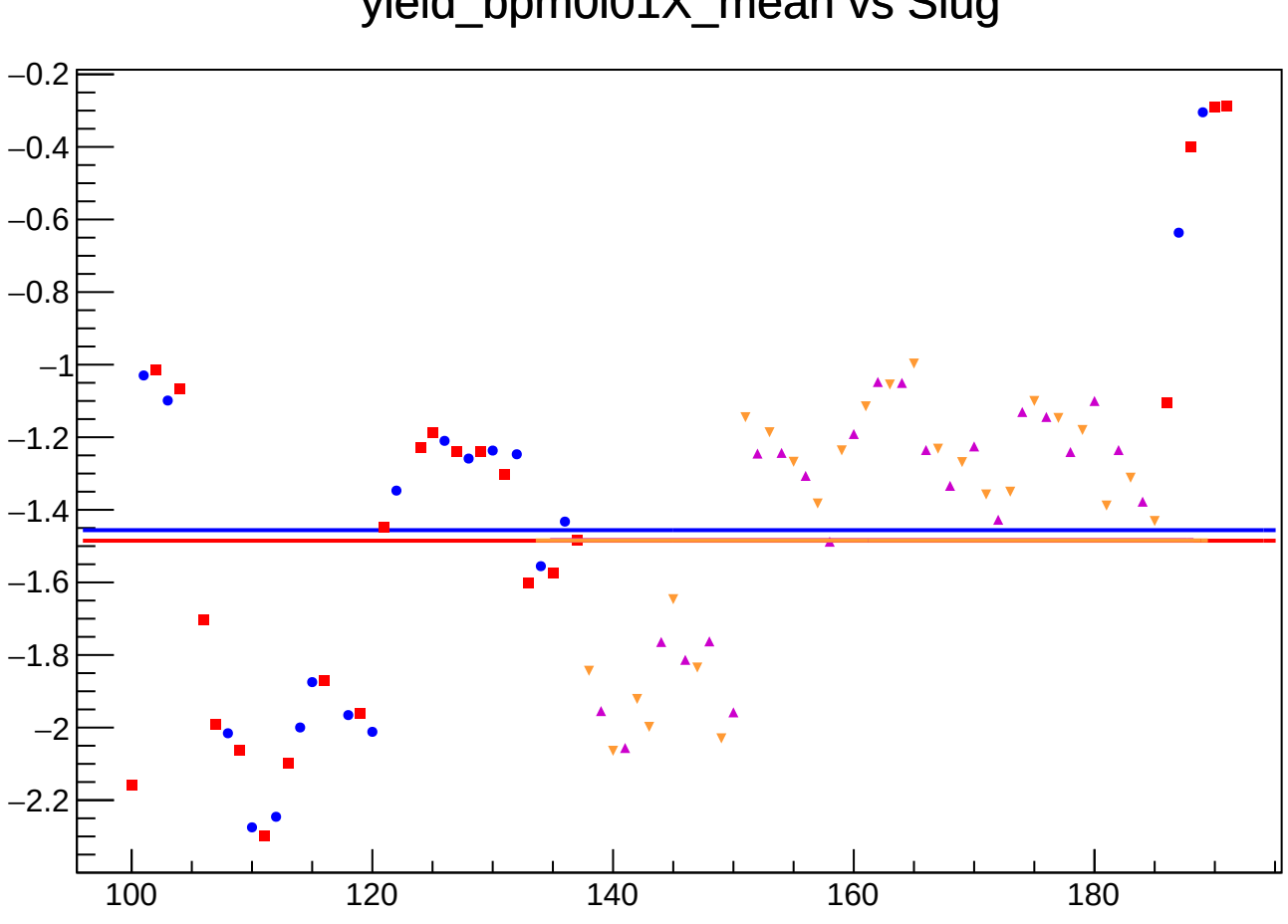
Left In: 2.441+/-0.000 χ^2/NDF:231724954471.8/22

+ sign 1.910+/-0.000 χ^2/NDF: 1204311304188.8/42

All: 1.909+/-0.000 χ^2/NDF: 2406154108449.

- sign 1.908+/-0.000 χ^2/NDF: 1201837255357.2/45


yield_bpm0i01aY_rms vs Slug
0.007
0.006
0.005
0.004
0.003
0.002
100
120
140
160
180
Right In: 0.002+/-0.000 χ²/NDF: 692545.0/17
Left Out: 0.003+/-0.000 χ²/NDF:1819921.4/24
Right Out: 0.002+/-0.000 χ²/NDF: 1458314.0/22
Left In: 0.003+/-0.000 χ²/NDF:2055631.9/22
+ sign 0.003+/-0.000 χ²/NDF: 5142399.4/42
All: 0.003+/-0.000 χ²/NDF: 10746811.4/88
- sign 0.003+/-0.000 χ²/NDF: 5603818.0/45



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: -1.485+/-0.000 χ^2/NDF: 51175244487.1/22

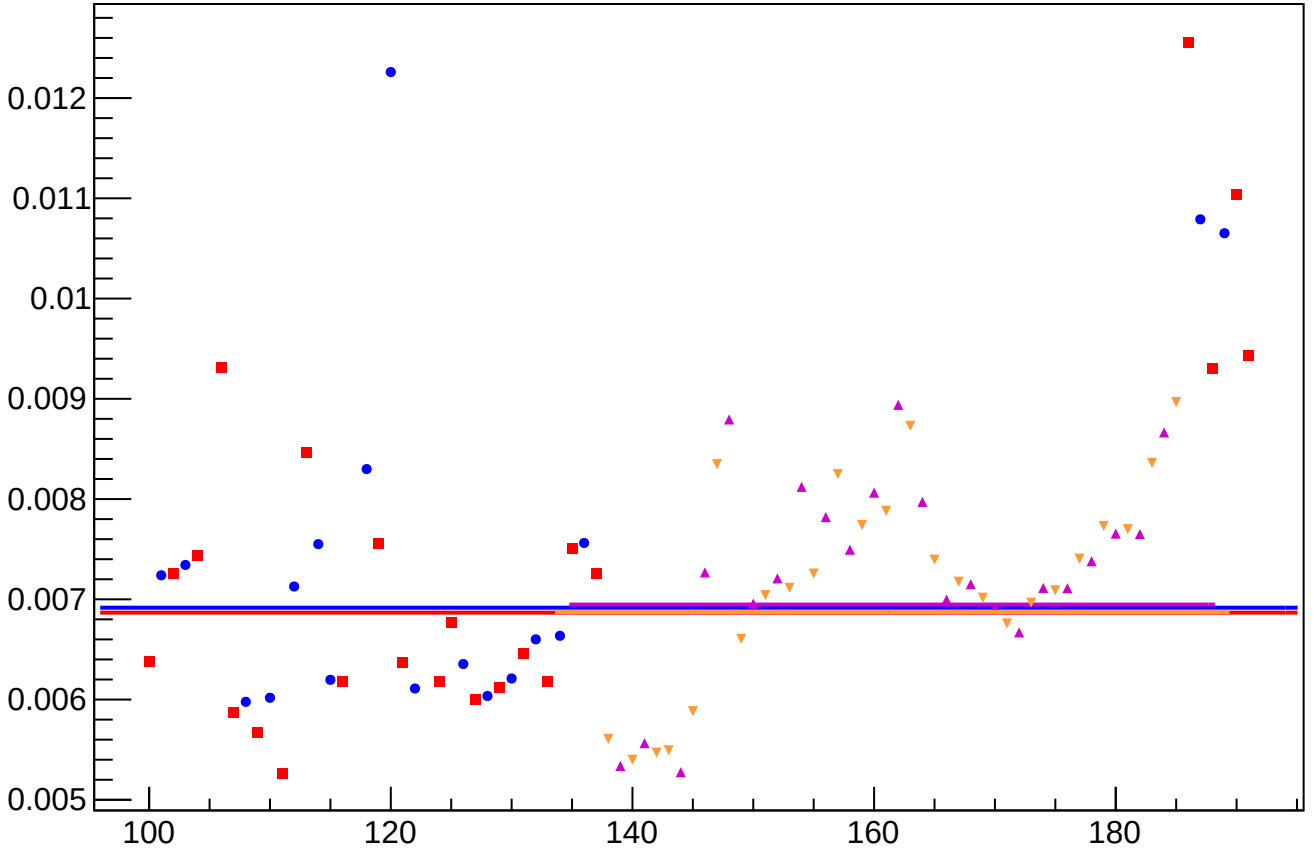
Left In: -1.483+/-0.000 χ^2/NDF:40353431150.9/22

+ sign -1.476+/-0.000 χ^2/NDF: 78384833342.7/42

All: -1.480+/-0.000 χ^2/NDF: 169929023126.1

- sign -1.484+/-0.000 χ^2/NDF: 91529027174.1/45

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

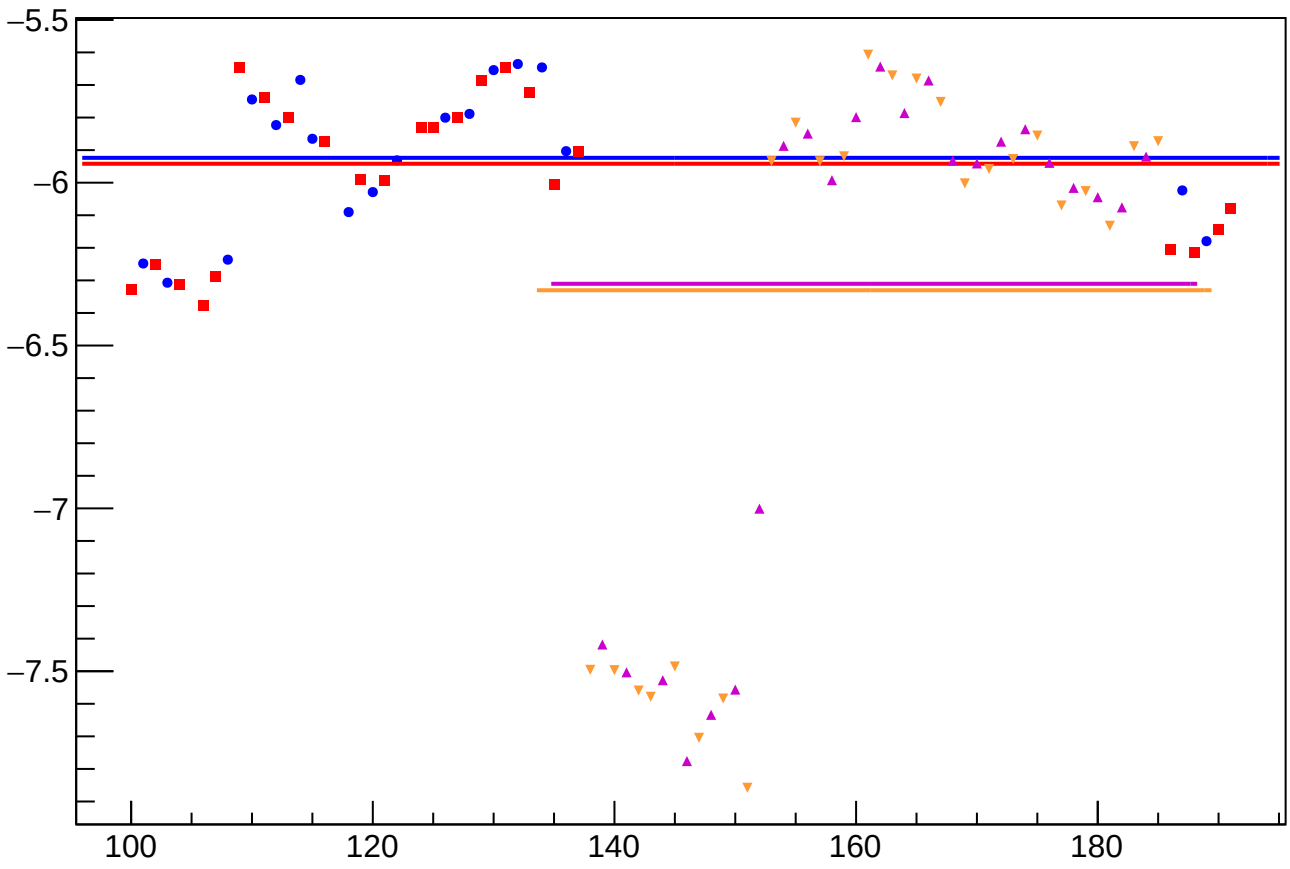
Right Out: 0.007+/-0.000 χ^2/NDF: 679784.8/22

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: 2581990.9/88

- sign 0.007+/-0.000 χ^2/NDF: 1428063.0/45



Right In: -5.924+/-0.000 χ^2/NDF: 11952168281.6/17

Left Out: -6.330+/-0.000 χ^2/NDF:110328634370.4/24

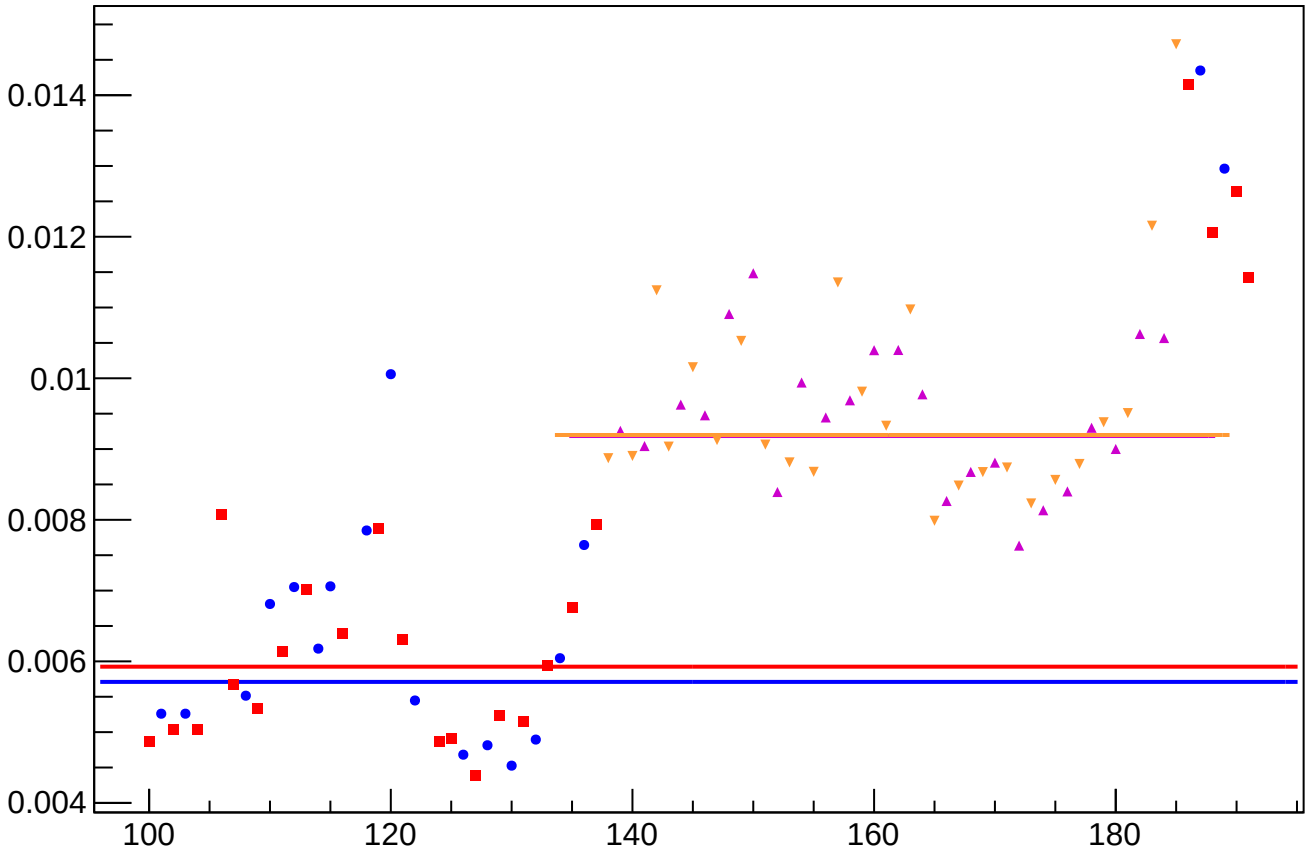
Right Out: -5.942+/-0.000 χ^2/NDF: 13404492662.1/22

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: 257254986961.0

- sign -6.108+/-0.000 χ^2/NDF: 118726246828.3/45



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: 1450858.4/22

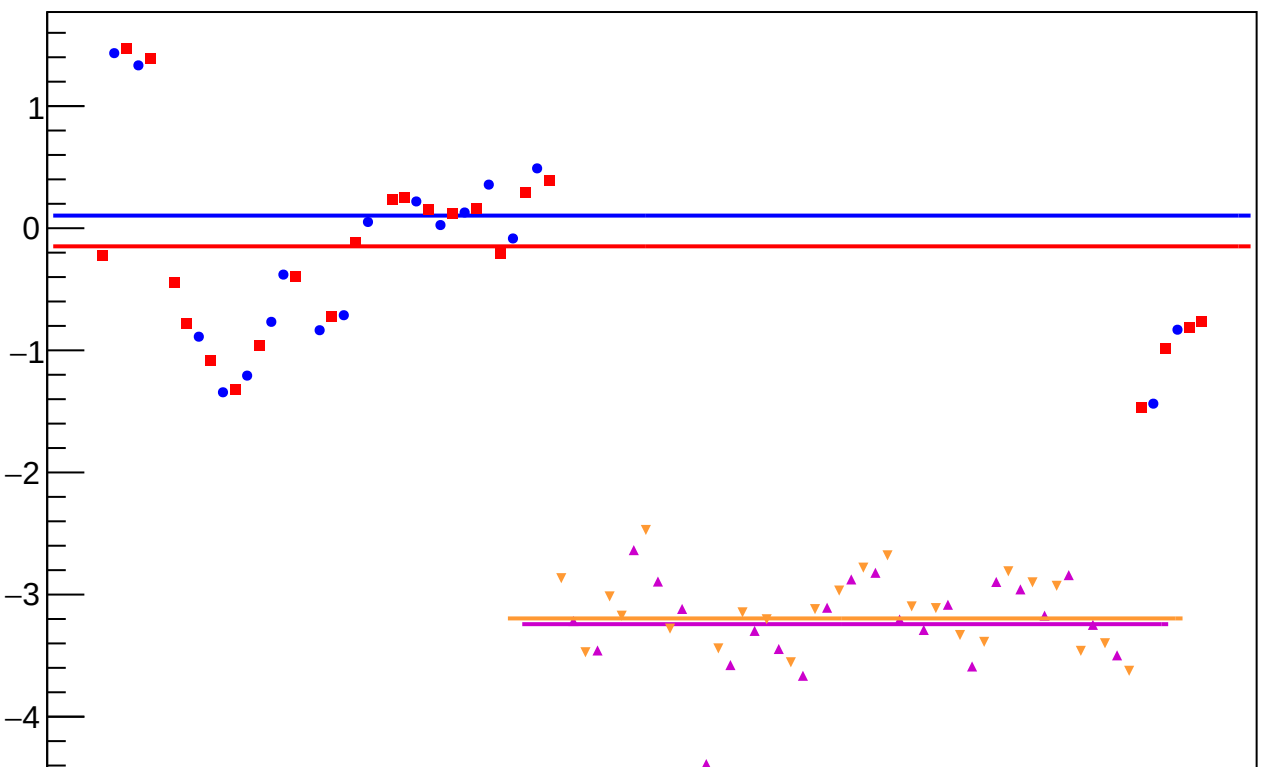
Left In: 0.009+/-0.000 χ^2/NDF:319063.5/22

+ sign 0.007+/-0.000 χ^2/NDF: 3696428.2/42

All: 0.007+/-0.000 χ^2/NDF: 7598806.0/88

- sign 0.007+/-0.000 χ^2/NDF: 3902328.8/45

yield_bpm0l02X_mean vs Slug



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: -0.148+/-0.000 χ^2/NDF: 27689673471.1/22

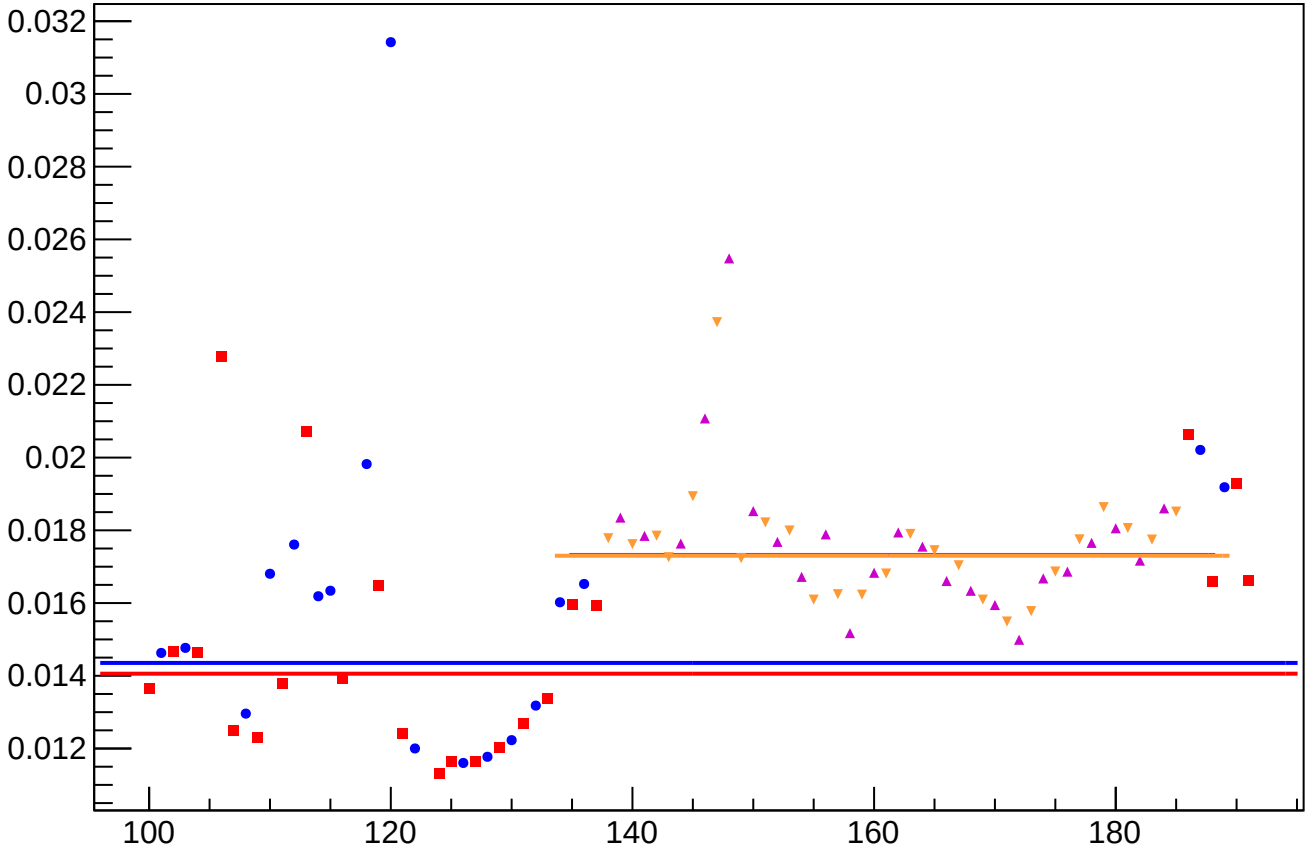
Left In: -3.242+/-0.000 χ^2/NDF:7955956403.6/22

+ sign -2.037+/-0.000 χ^2/NDF: 266908108053.3/42

All: -1.981+/-0.000 χ^2/NDF: 540649293388.6

- sign -1.928+/-0.000 χ^2/NDF: 273155769750.6/45

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: 512263.2/22

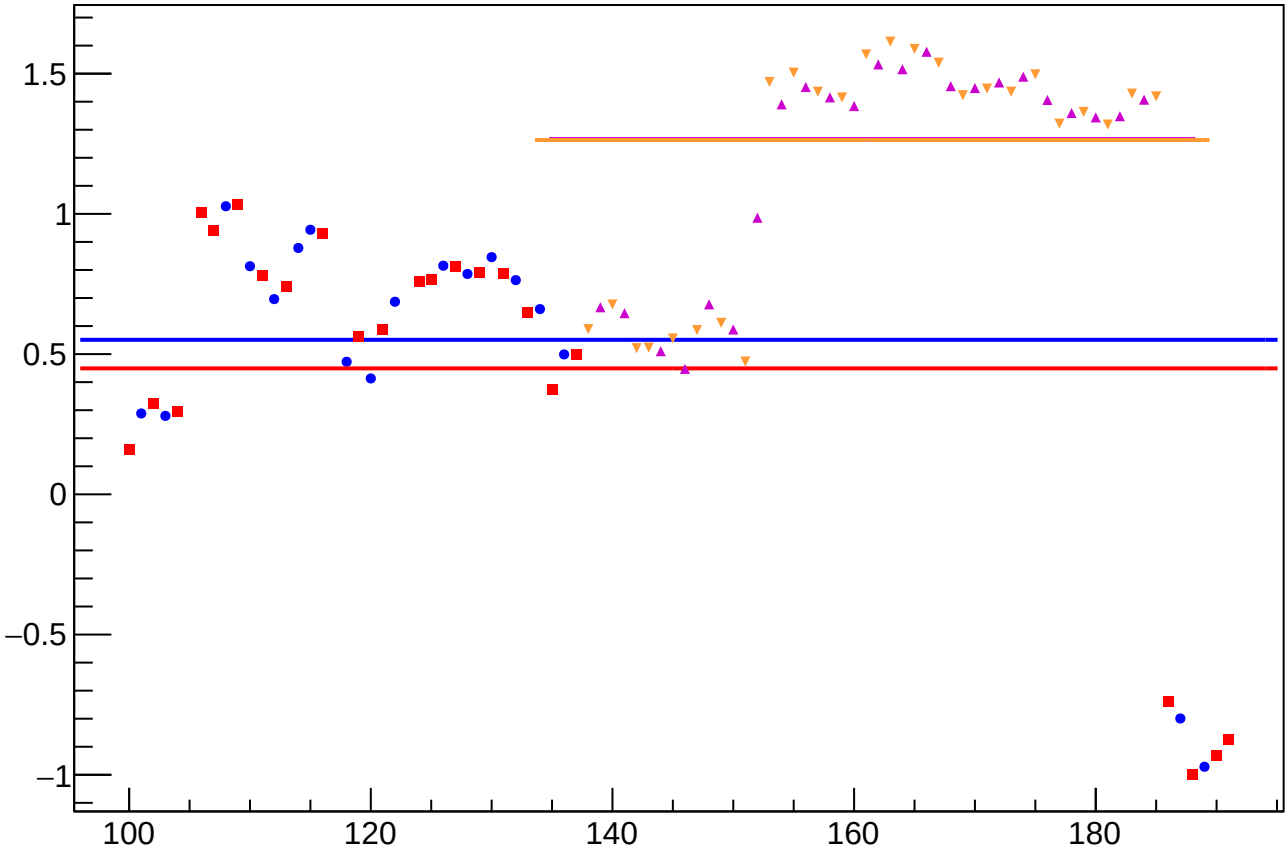
Left In: 0.017+/-0.000 χ^2/NDF:329879.6/22

+ sign 0.016+/-0.000 χ^2/NDF: 1157979.5/42

All: 0.016+/-0.000 χ^2/NDF: 2539960.0/88

- sign 0.016+/-0.000 χ^2/NDF: 1371212.4/45

yield_bpm0l02Y_mean vs Slug



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: 0.449+/-0.000 χ^2/NDF: 33608871090.7/22

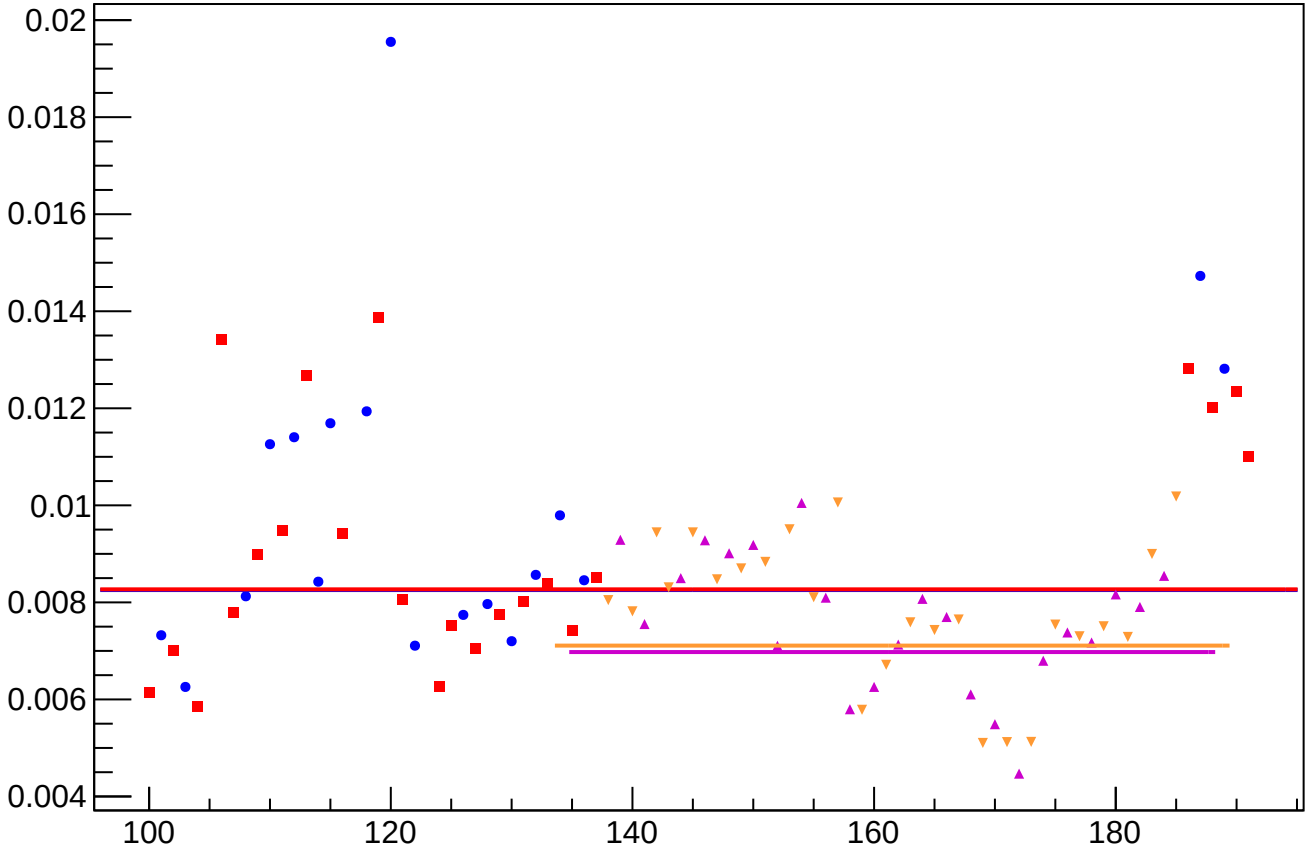
Left In: 1.267+/-0.000 χ^2/NDF:37614918579.9/22

+ sign 1.102+/-0.000 χ^2/NDF: 98769841088.3/42

All: 1.077+/-0.000 χ^2/NDF: 228843809210.1

- sign 1.053+/-0.000 χ^2/NDF: 129539092810.1/45

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

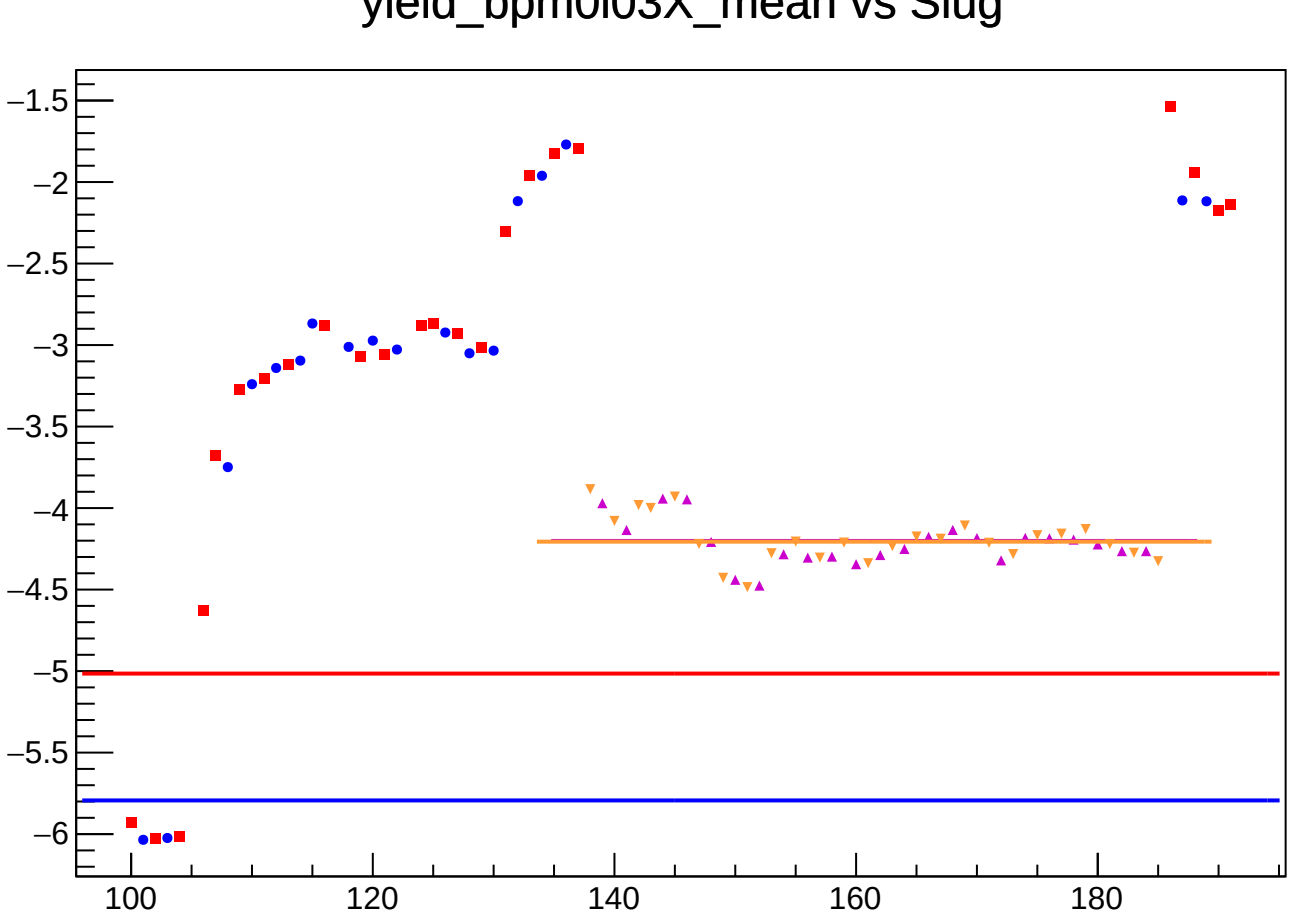
Right Out: 0.008+/-0.000 χ^2/NDF: 1007359.3/22

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: 5274165.6/88

- sign 0.007+/-0.000 χ^2/NDF: 2755747.8/45



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: -5.015+/-0.000 χ^2/NDF: 169822645695.4/22

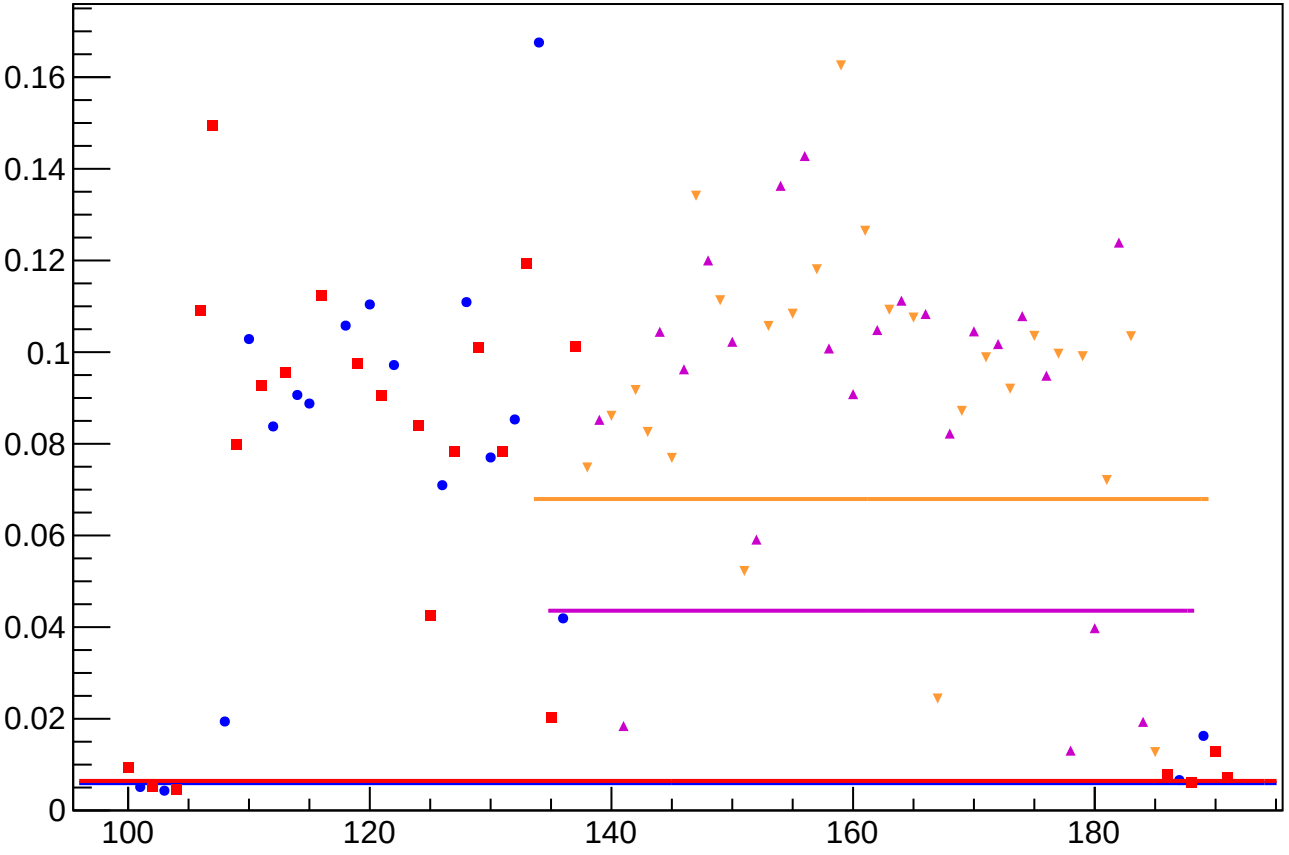
Left In: -4.202+/-0.000 χ^2/NDF:42747893.4/22

+ sign -5.719+/-0.000 χ^2/NDF: 51385489150.1/42

All: -5.331+/-0.000 χ^2/NDF: 240417096529.3

- sign -4.959+/-0.000 χ^2/NDF: 172384860833.8/45

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: 8795488.3/22

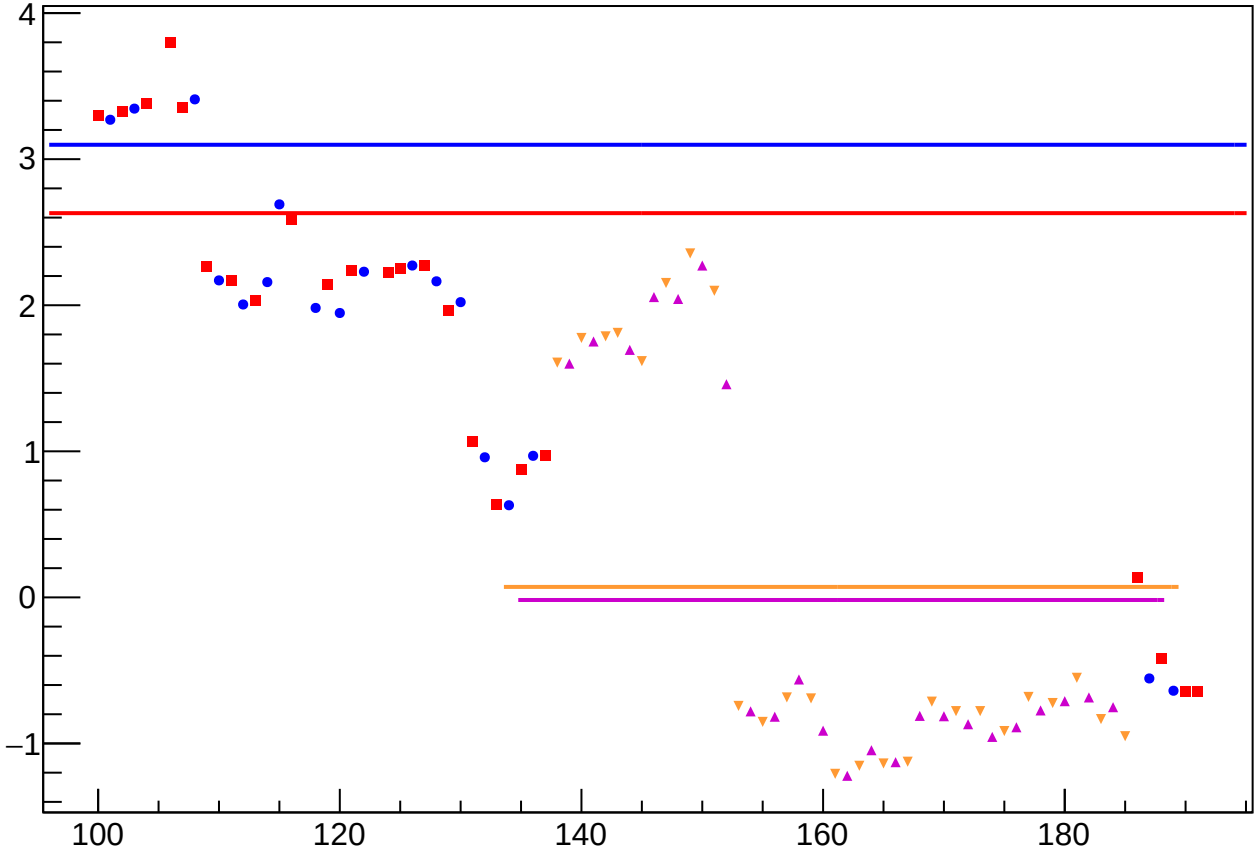
Left In: 0.044+/-0.000 χ^2/NDF:12761920.2/22

+ sign 0.009+/-0.000 χ^2/NDF: 35919632.8/42

All: 0.009+/-0.000 χ^2/NDF: 67979525.2/88

- sign 0.009+/-0.000 χ^2/NDF: 32058558.4/45

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: 2.630+/-0.000 χ^2/NDF: 74983321365.5/22

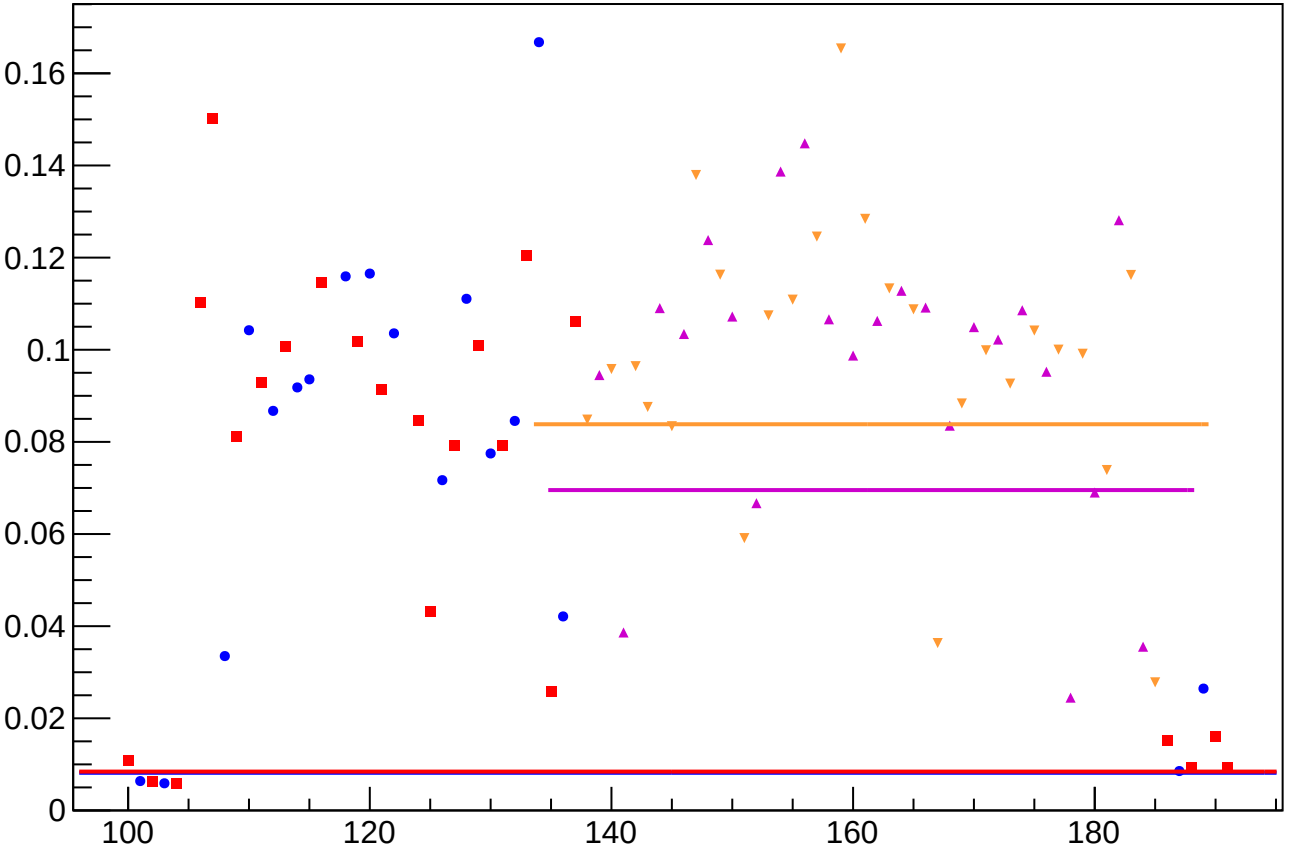
Left In: -0.018+/-0.000 χ^2/NDF:3455714643.1/22

+ sign 2.918+/-0.000 χ^2/NDF: 43603311140.4/42

All: 2.680+/-0.000 χ^2/NDF: 141383808769.0

- sign 2.465+/-0.000 χ^2/NDF: 94074057243.2/45

yield_bpm0l03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 8575905.6/17

Left Out: 0.084+/-0.000 χ^2/NDF:3830160.2/24

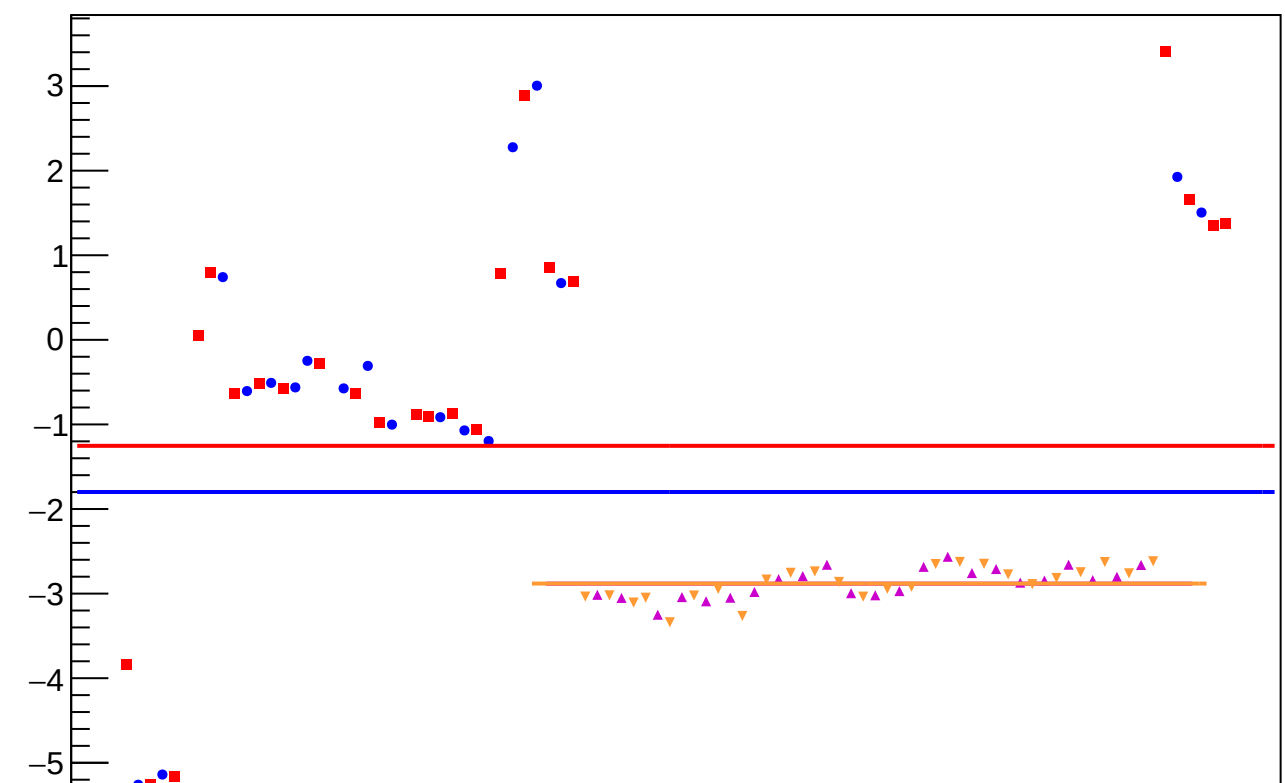
Right Out: 0.008+/-0.000 χ^2/NDF: 8670930.0/22

Left In: 0.070+/-0.000 χ^2/NDF:6697383.9/22

+ sign 0.013+/-0.000 χ^2/NDF: 34550401.1/42

All: 0.012+/-0.000 χ^2/NDF: 66573673.5/88

- sign 0.012+/-0.000 χ^2/NDF: 32016253.5/45



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: -1.253+/-0.000 χ^2/NDF: 210209321505.2/22

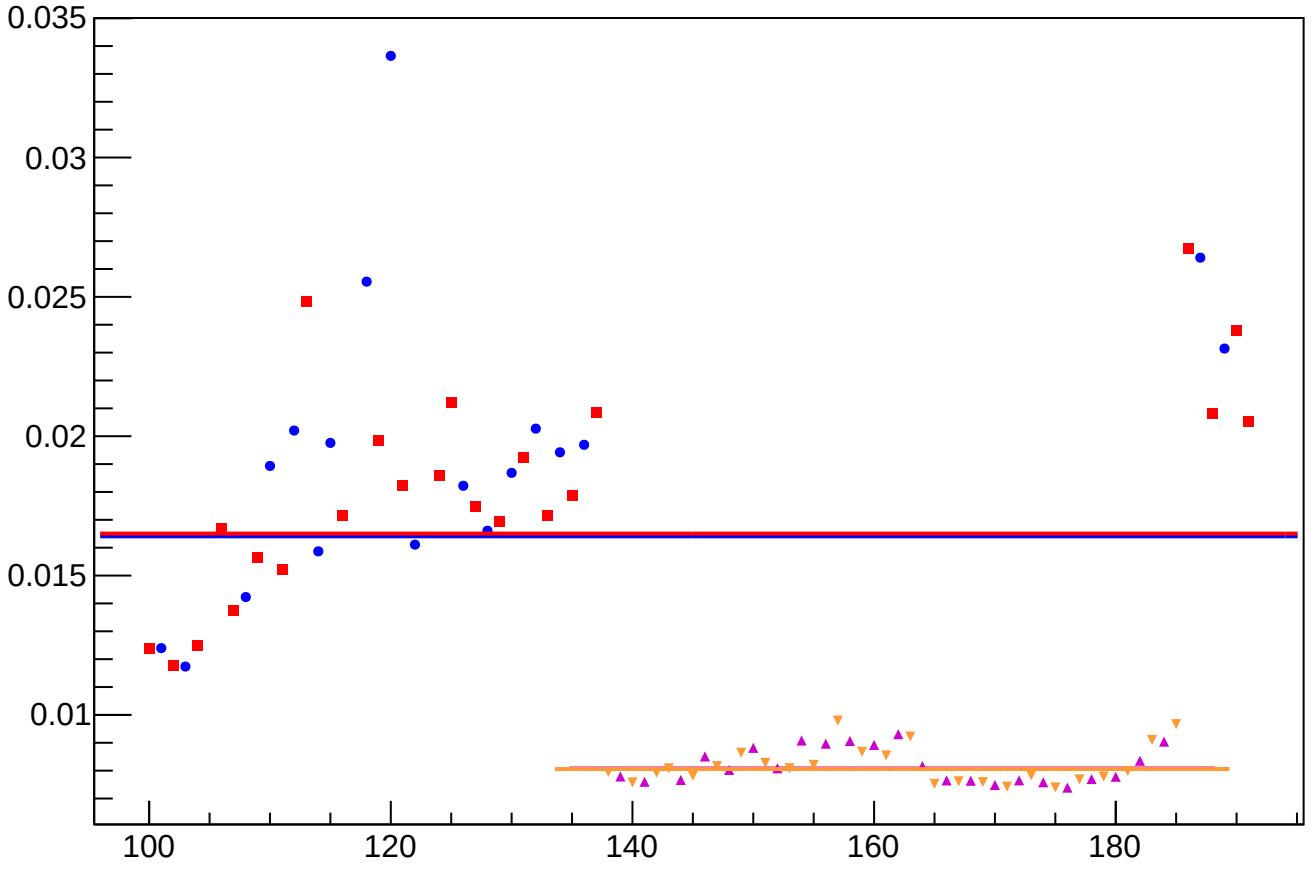
Left In: -2.882+/-0.000 χ^2/NDF:8300047325.0/22

+ sign -2.797+/-0.000 χ^2/NDF: 212344283456.8/42

All: -2.759+/-0.000 χ^2/NDF: 502590404086.1

- sign -2.720+/-0.000 χ^2/NDF: 289338253181.2/45

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

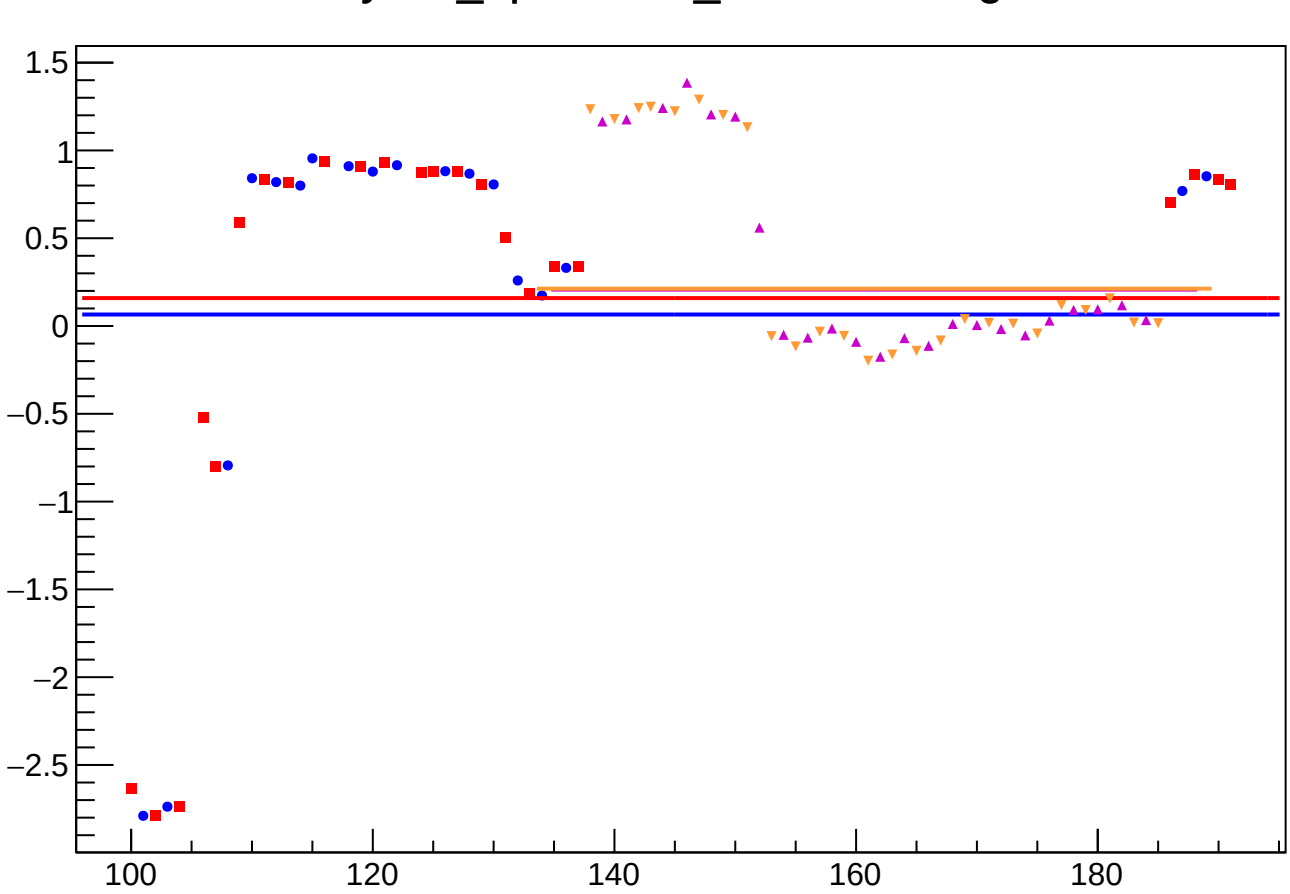
Right Out: 0.017+/-0.000 χ^2/NDF: 800365.6/22

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: 8909533.6/88

- sign 0.009+/-0.000 χ^2/NDF: 4772602.3/45



Right In: 0.066+/-0.000 χ^2/NDF: 866520889042.3/17

Left Out: 0.213+/-0.000 χ^2/NDF:102819241186.2/24

Right Out: 0.159+/-0.000 χ^2/NDF: 975260853095.4/22

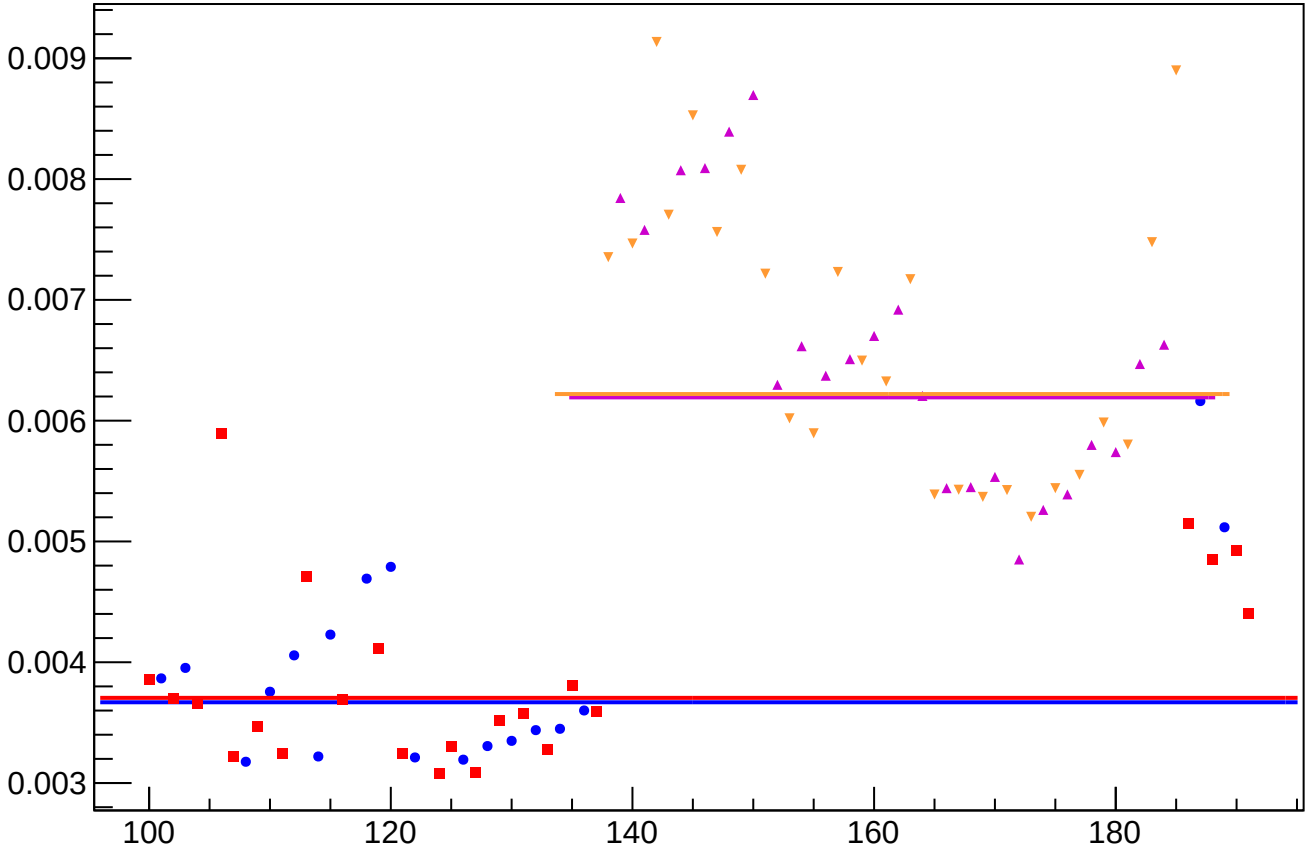
Left In: 0.207+/-0.000 χ^2/NDF:87109076861.7/22

+ sign 0.131+/-0.000 χ^2/NDF: 974551750524.6/42

All: 0.155+/-0.000 χ^2/NDF: 2038653558746.

- sign 0.178+/-0.000 χ^2/NDF: 1062956984093.5/45

yield_bpm0l04Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 321743.9/17

Left Out: 0.006+/-0.000 χ^2/NDF:813678.9/24

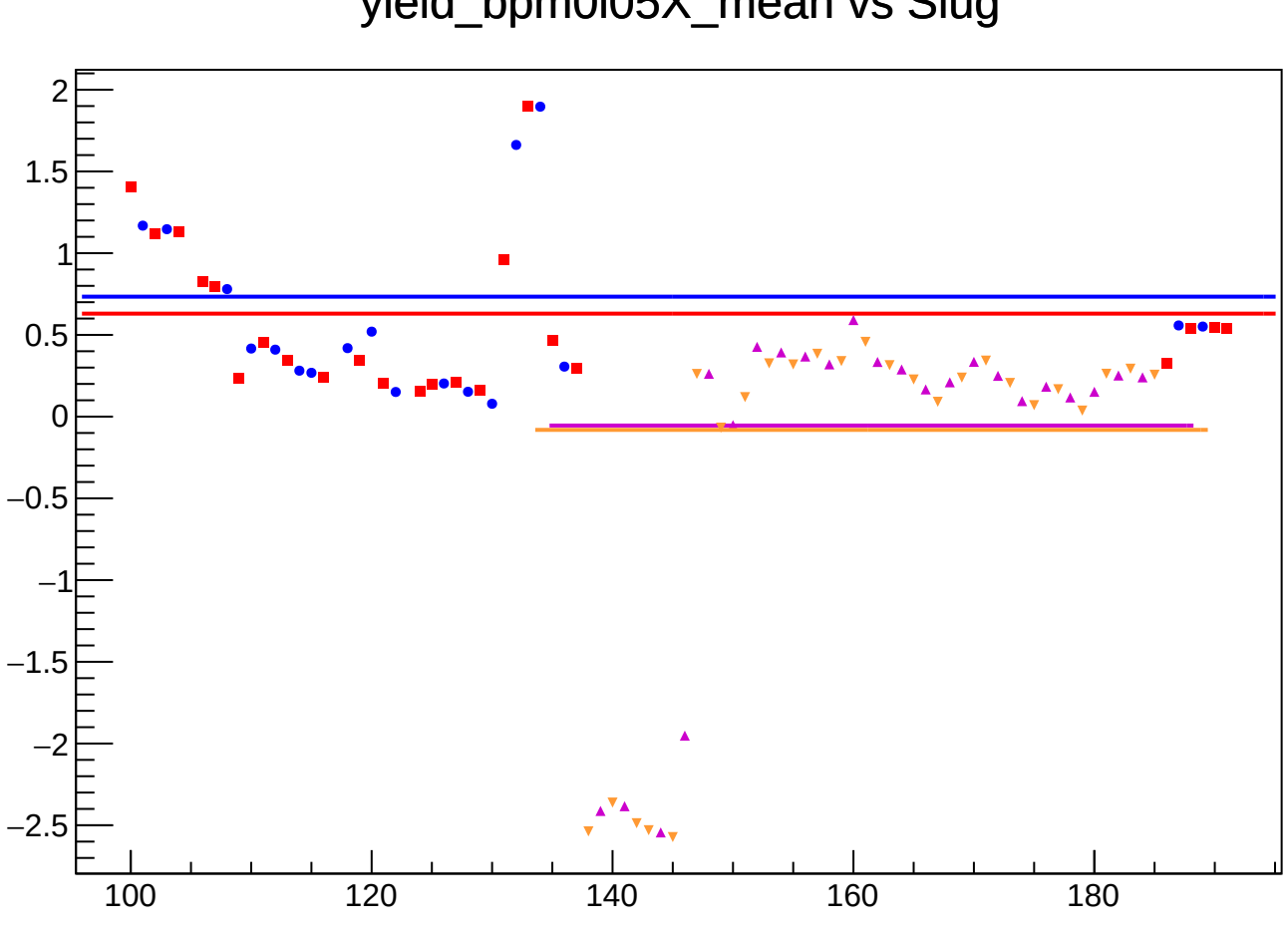
Right Out: 0.004+/-0.000 χ^2/NDF: 467888.1/22

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: 8668974.2/88

- sign 0.005+/-0.000 χ^2/NDF: 4389605.4/45



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: 0.630+/-0.000 χ^2/NDF: 41995444146.9/22

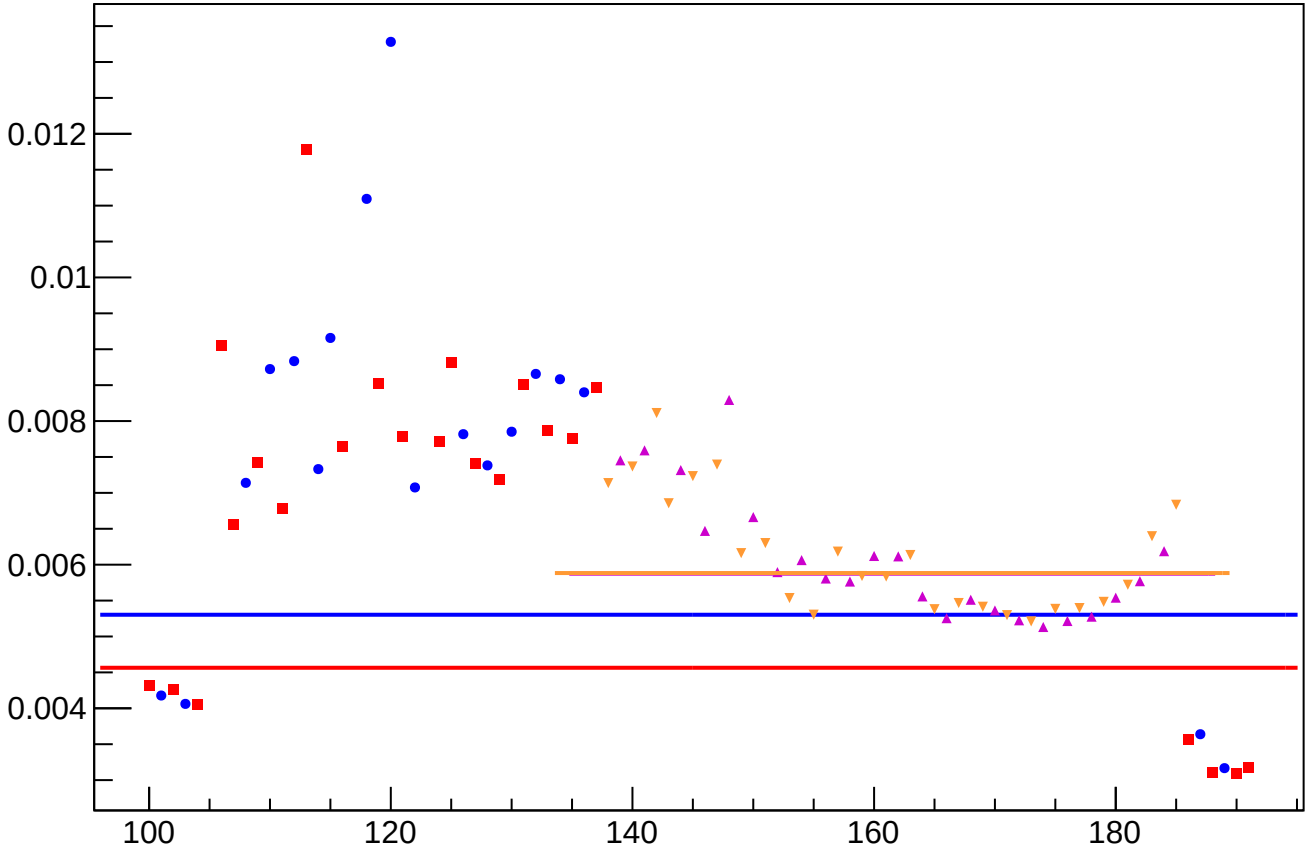
Left In: -0.055+/-0.000 χ^2/NDF:347072248163.0/22

+ sign 0.156+/-0.000 χ^2/NDF: 524818591795.4/42

All: 0.195+/-0.000 χ^2/NDF: 1009935028048.

- sign 0.229+/-0.000 χ^2/NDF: 483098393981.0/45

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

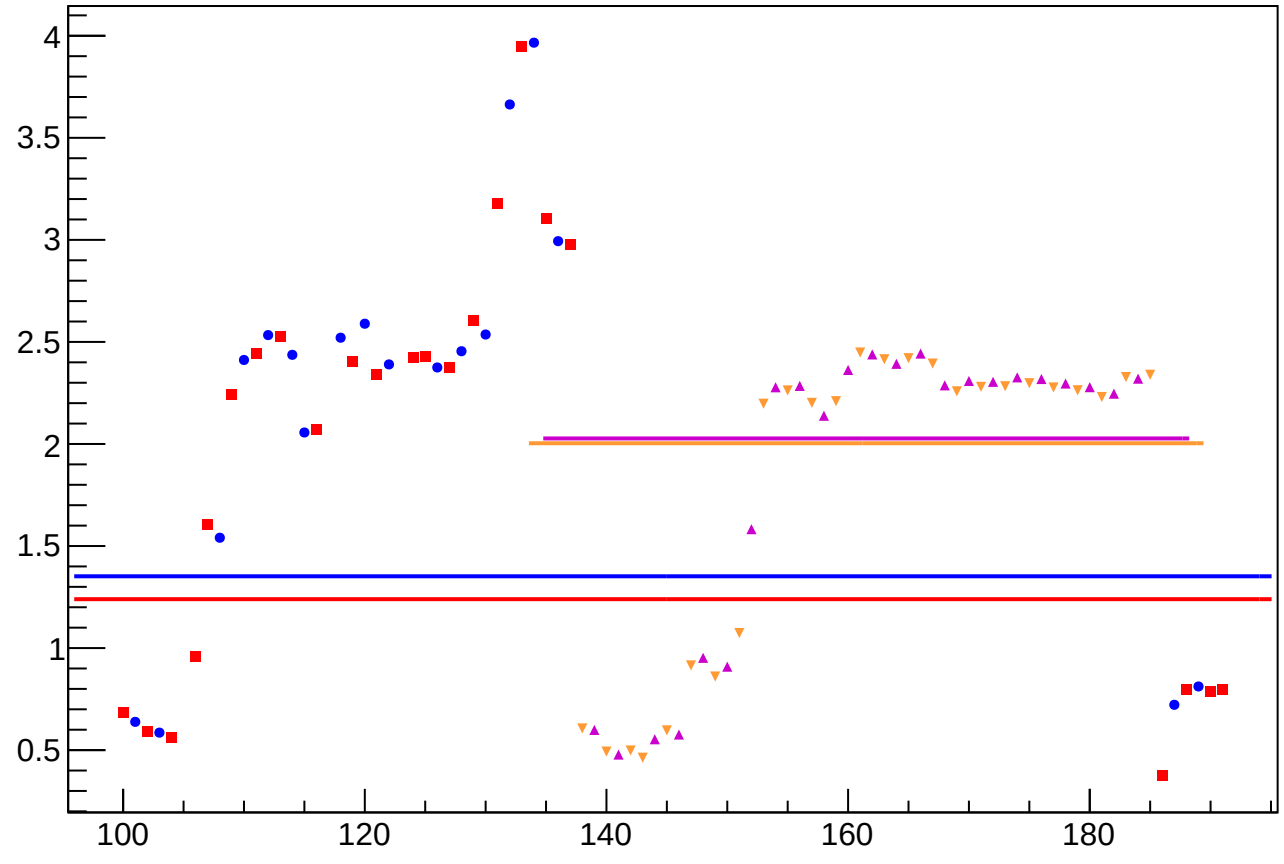
Right Out: 0.005+/-0.000 χ^2/NDF: 2725724.5/22

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: 6801298.2/88

- sign 0.005+/-0.000 χ^2/NDF: 3936348.6/45



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: 1.240+/-0.000 χ^2/NDF: 219991969651.5/22

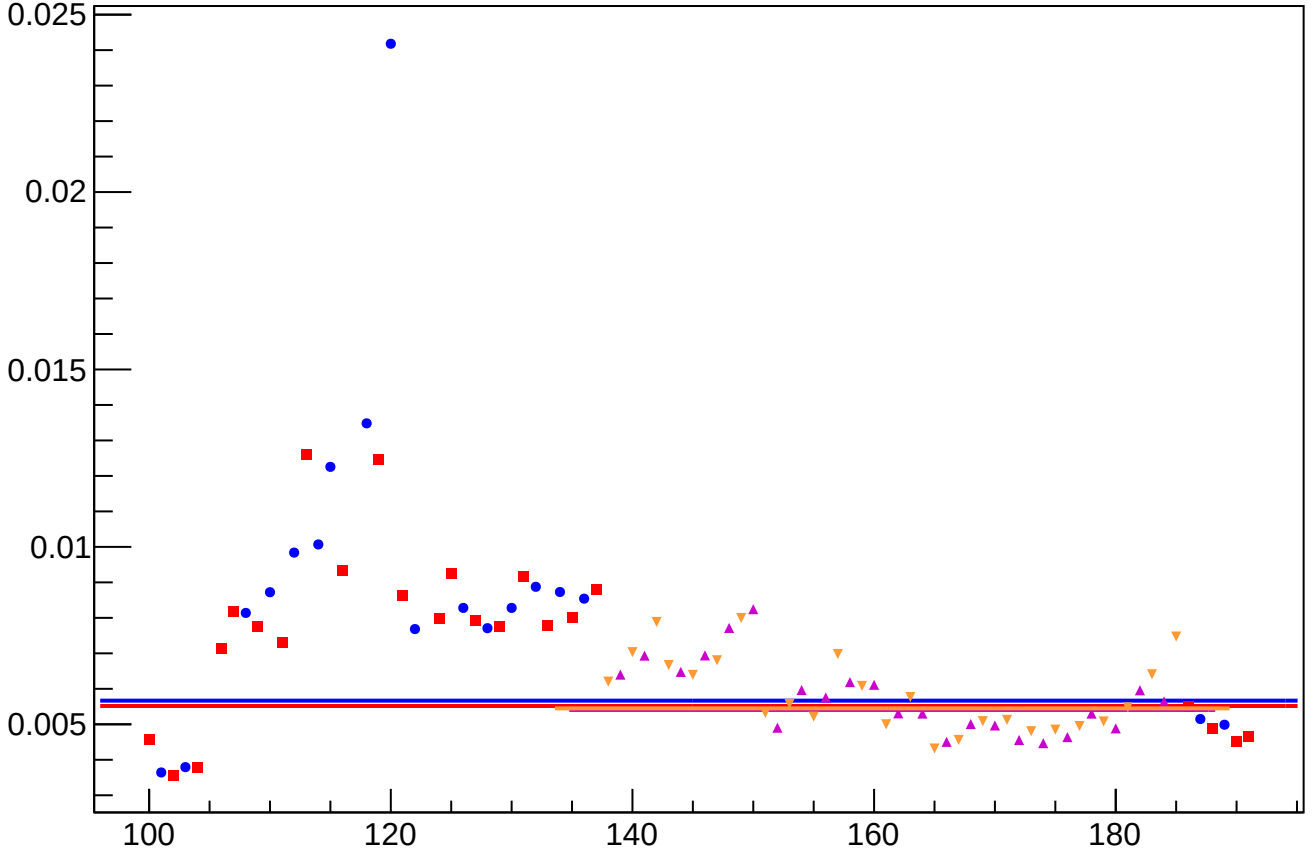
Left In: 2.027+/-0.000 χ^2/NDF:194461333084.6/22

+ sign 1.846+/-0.000 χ^2/NDF: 455398397146.9/42

All: 1.813+/-0.000 χ^2/NDF: 973956414428.2

- sign 1.782+/-0.000 χ^2/NDF: 517042259278.4/45

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: 2064043.7/22

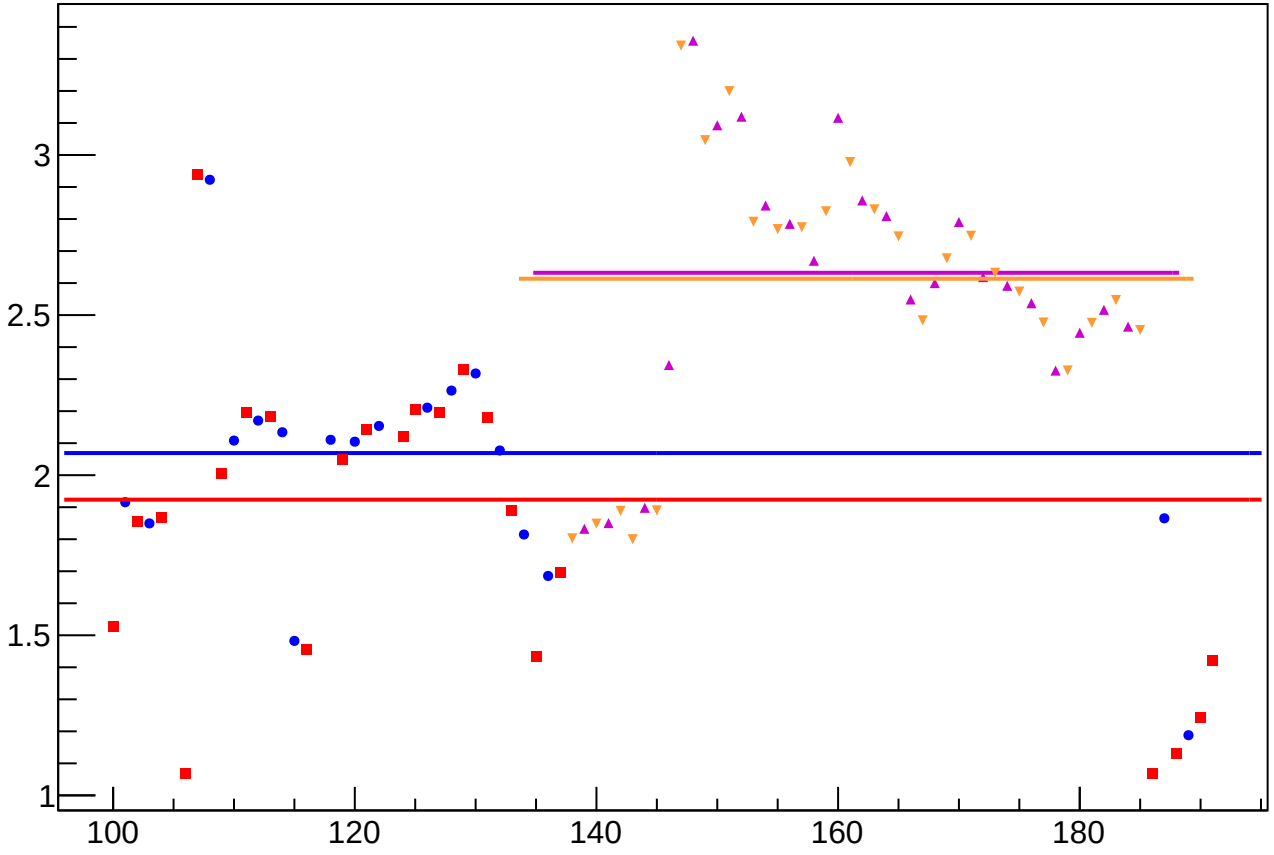
Left In: 0.005+/-0.000 χ^2/NDF:815136.5/22

+ sign 0.006+/-0.000 χ^2/NDF: 3023969.8/42

All: 0.005+/-0.000 χ^2/NDF: 5910139.3/88

- sign 0.005+/-0.000 χ^2/NDF: 2883271.3/45

yield_bpm0l06X_mean vs Slug



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: 1.924+/-0.000 χ^2/NDF: 31832804167.7/22

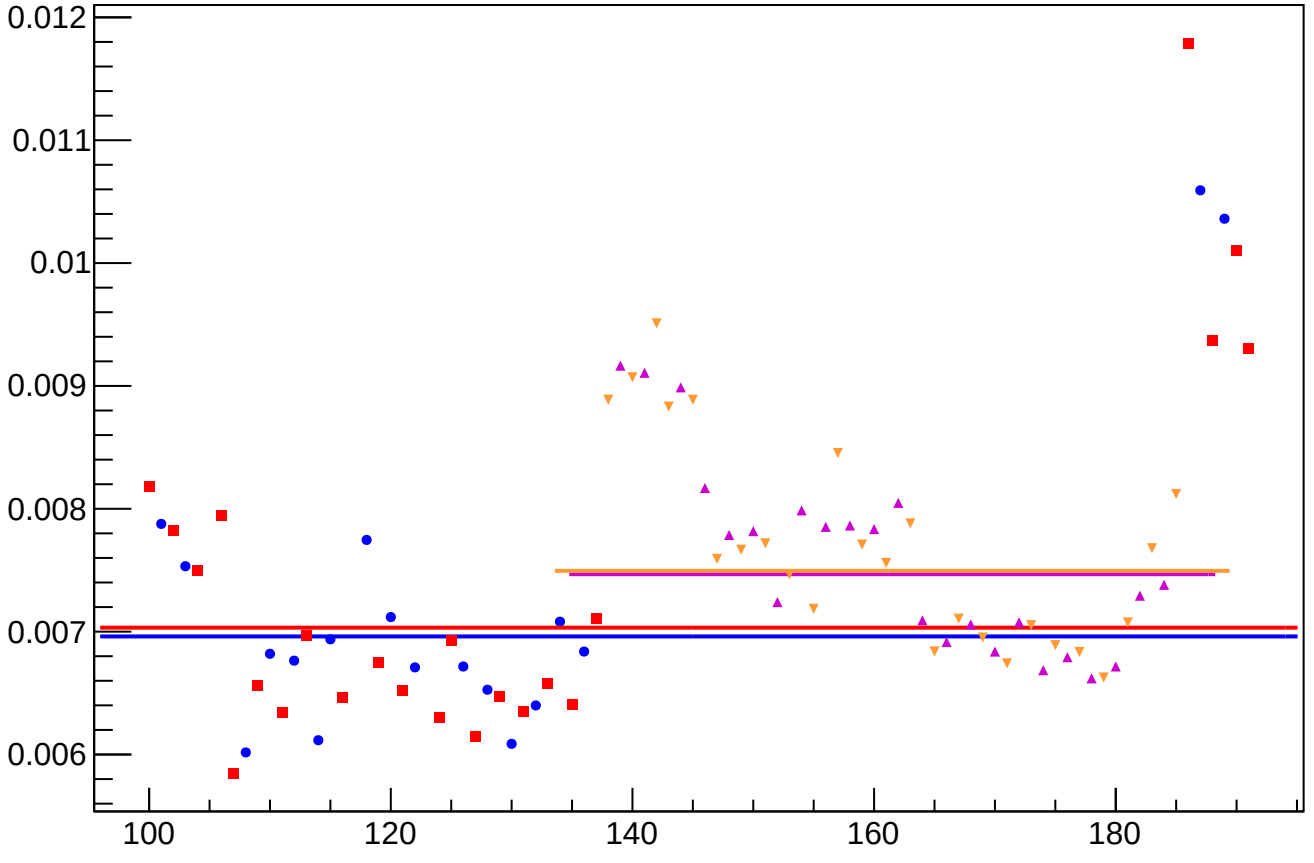
Left In: 2.632+/-0.000 χ^2/NDF:40551967819.7/22

+ sign 2.438+/-0.000 χ^2/NDF: 94975549477.8/42

All: 2.405+/-0.000 χ^2/NDF: 225379380228.7

- sign 2.373+/-0.000 χ^2/NDF: 129372951535.8/45

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

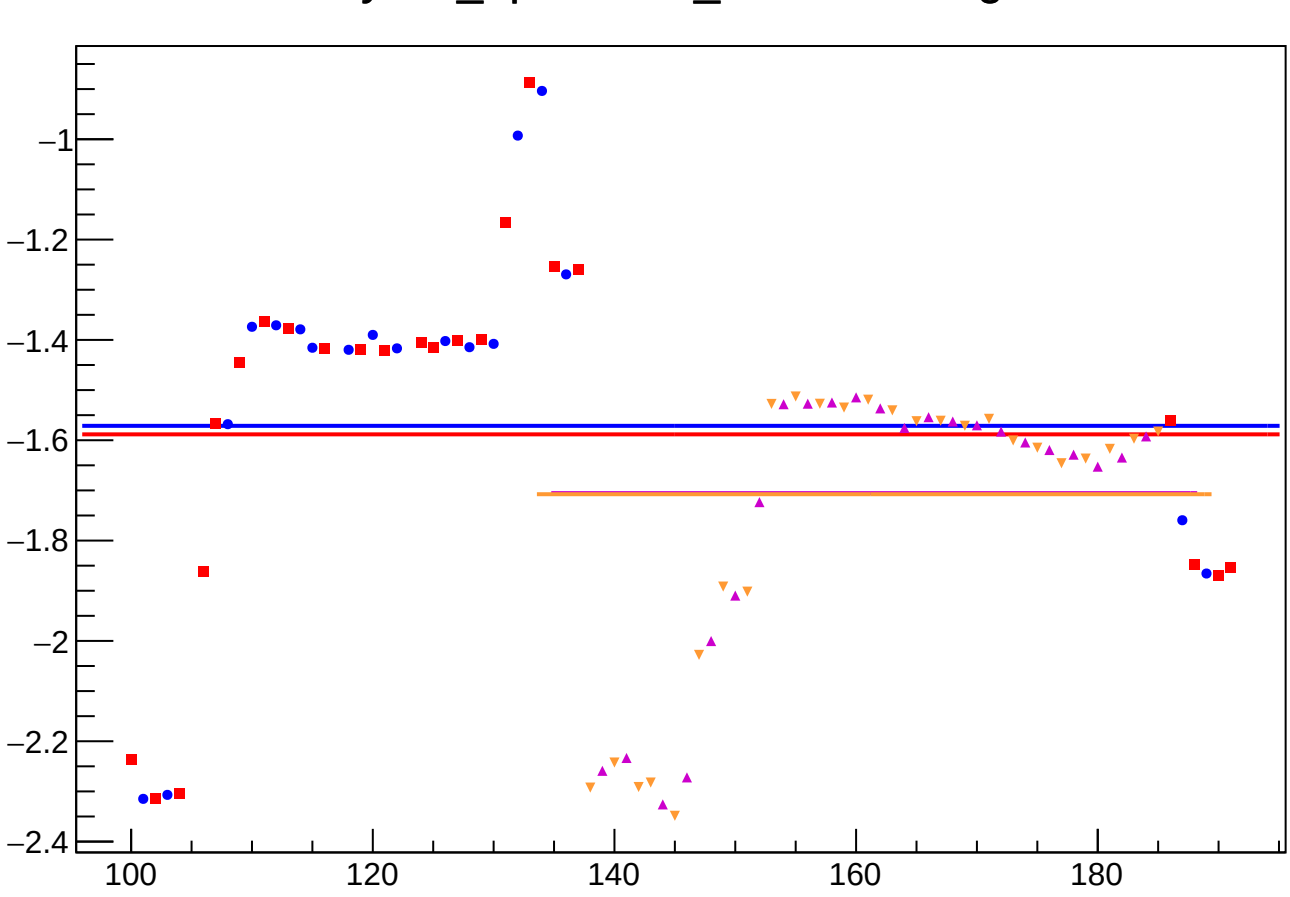
Right Out: 0.007+/-0.000 χ^2/NDF: 451686.7/22

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: 1449409.4/88

- sign 0.007+/-0.000 χ^2/NDF: 816565.2/45



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: -1.588+/-0.000 χ^2/NDF: 187212790139.0/22

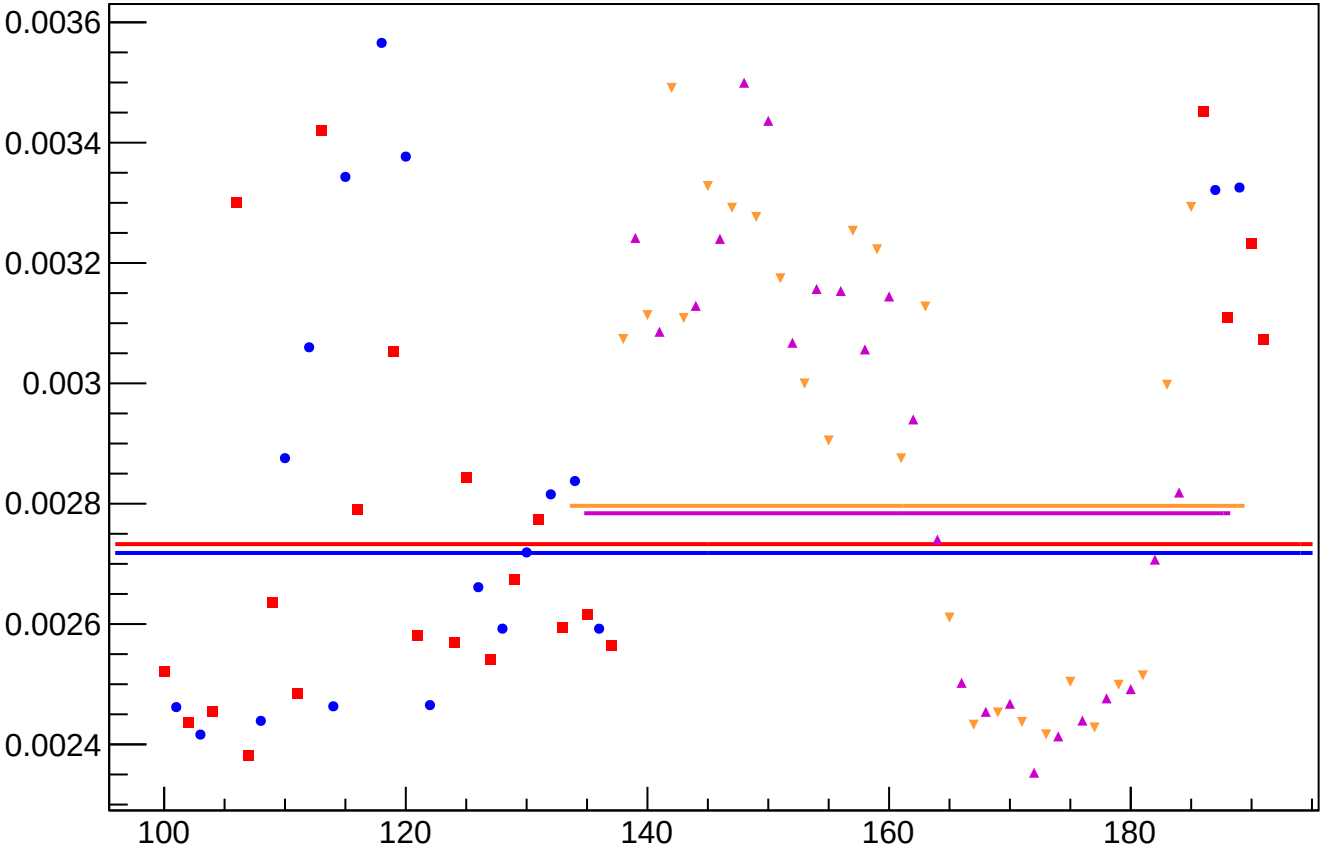
Left In: -1.705+/-0.000 χ^2/NDF:136540618081.0/22

+ sign -1.666+/-0.000 χ^2/NDF: 344780516358.5/42

All: -1.665+/-0.000 χ^2/NDF: 679131175299.4

- sign -1.664+/-0.000 χ^2/NDF: 334344520709.7/45

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: 214227.0/22

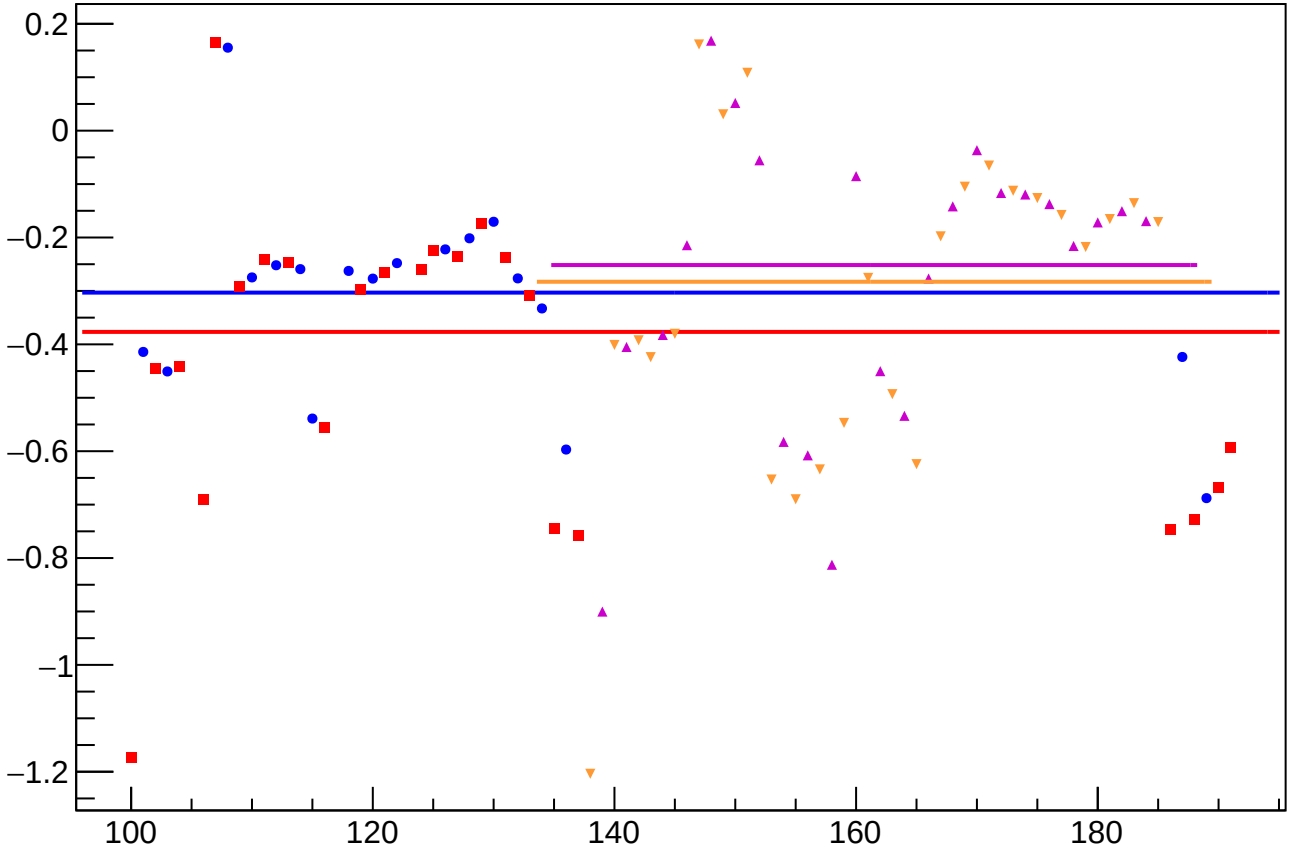
Left In: 0.003+/-0.000 χ^2/NDF:557113.5/22

+ sign 0.003+/-0.000 χ^2/NDF: 762463.9/42

All: 0.003+/-0.000 χ^2/NDF: 1538018.6/88

- sign 0.003+/-0.000 χ^2/NDF: 775411.3/45

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: -0.377+/-0.000 χ^2/NDF: 3358745634.4/22

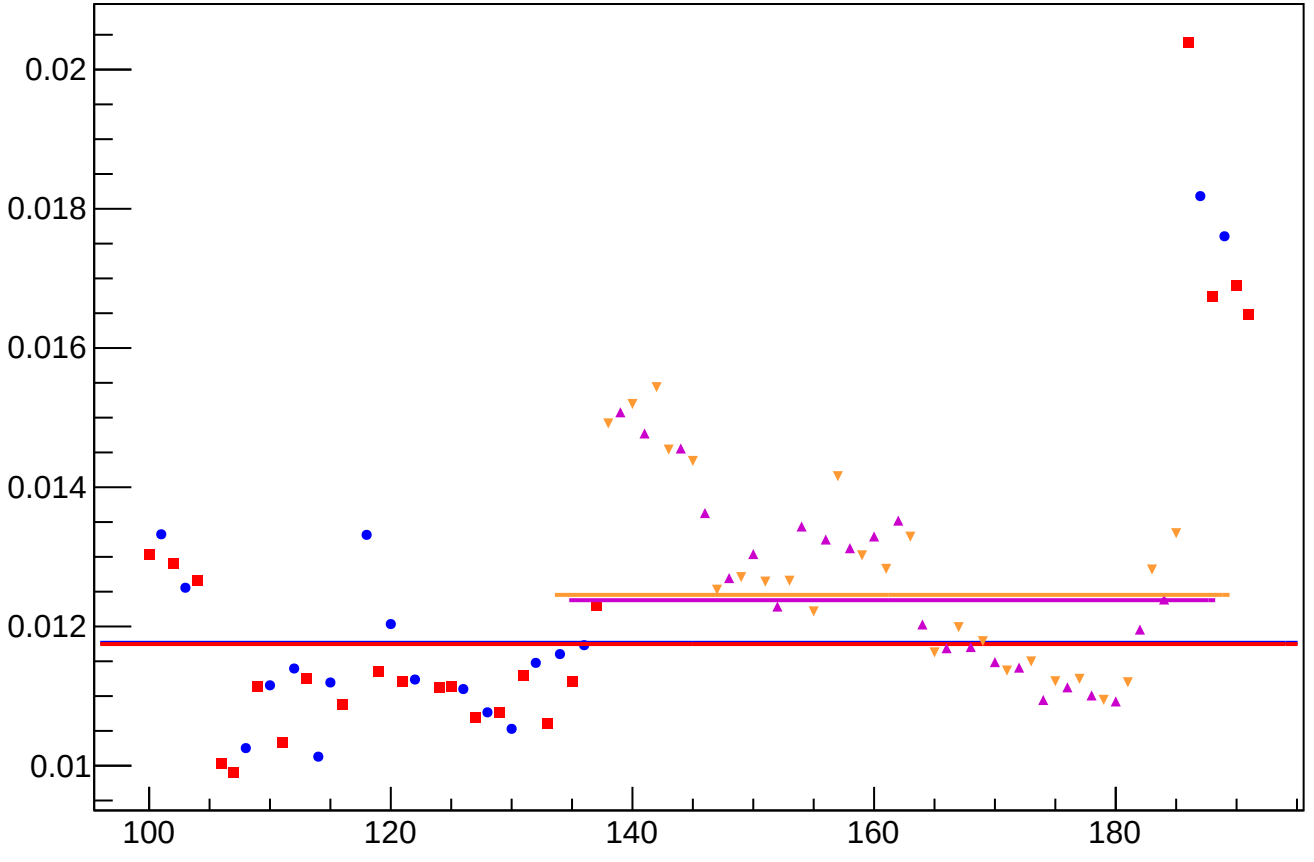
Left In: -0.252+/-0.000 χ^2/NDF:7167367678.6/22

+ sign -0.289+/-0.000 χ^2/NDF: 11266270590.5/42

All: -0.293+/-0.000 χ^2/NDF: 22441853426.5/

- sign -0.297+/-0.000 χ^2/NDF: 11170156954.2/45

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

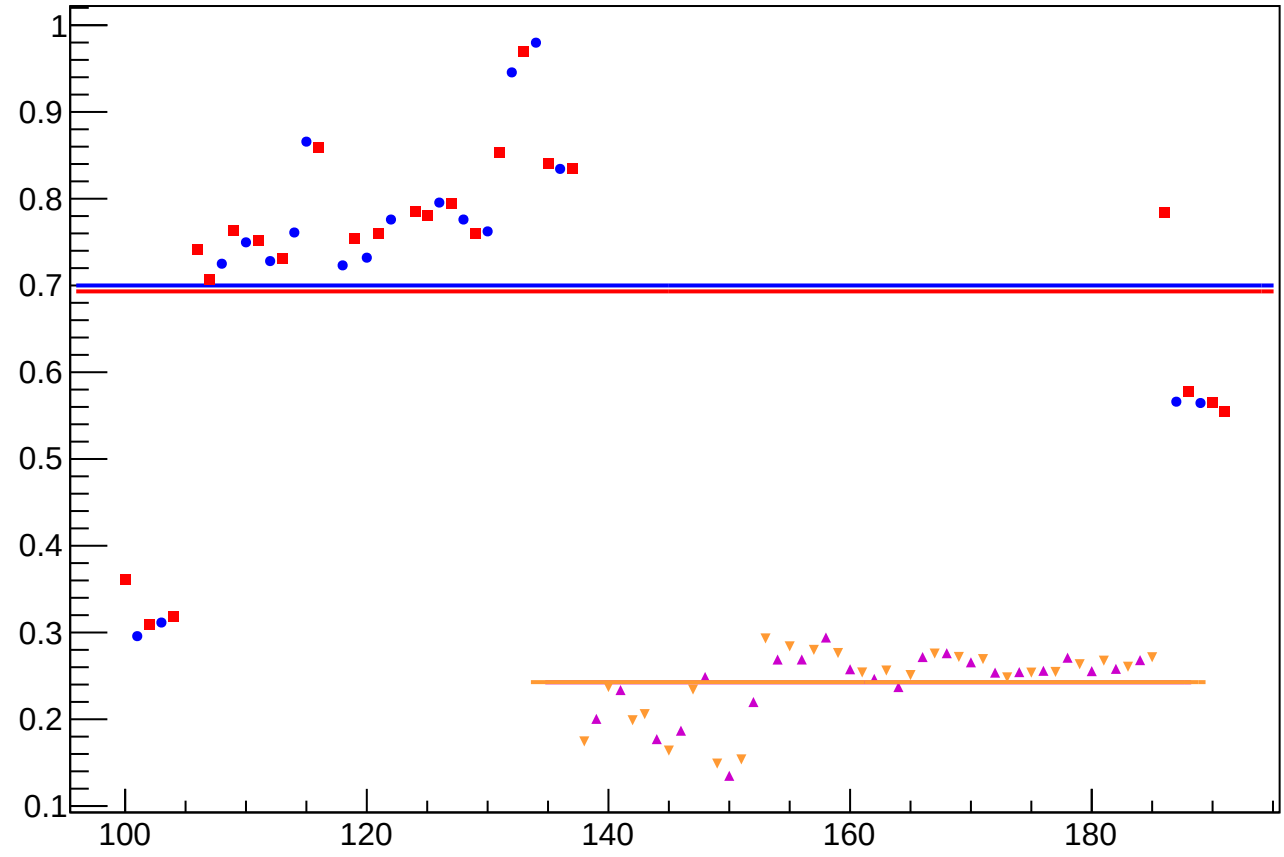
Right Out: 0.012+/-0.000 χ^2/NDF: 515636.5/22

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: 1499607.2/88

- sign 0.012+/-0.000 χ^2/NDF: 875206.3/45



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: 0.693+/-0.000 χ^2/NDF: 47979305514.5/22

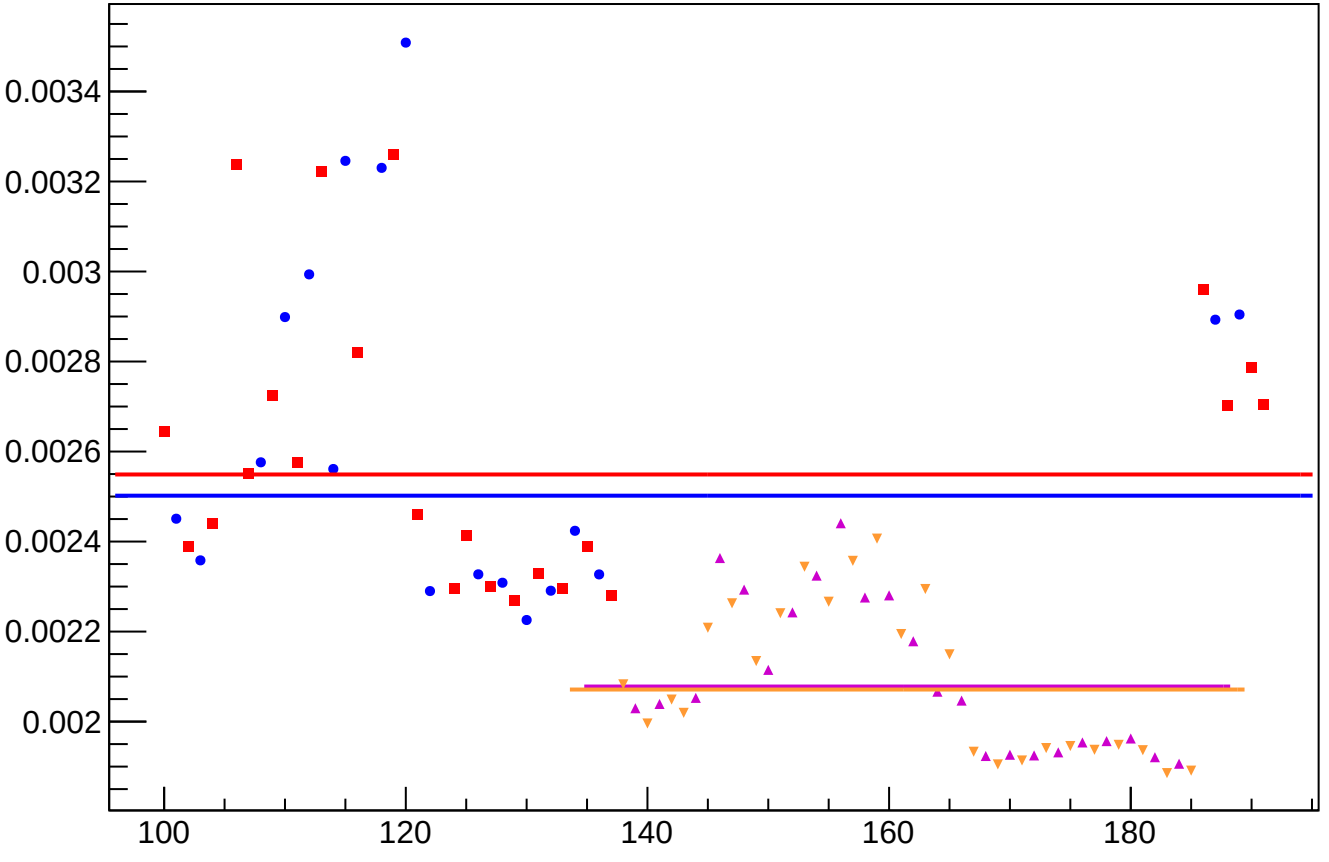
Left In: 0.243+/-0.000 χ^2/NDF:5781231269.1/22

+ sign 0.340+/-0.000 χ^2/NDF: 254693358630.4/42

All: 0.347+/-0.000 χ^2/NDF: 519117463046.0

- sign 0.354+/-0.000 χ^2/NDF: 263853131195.1/45

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: 210286.1/22

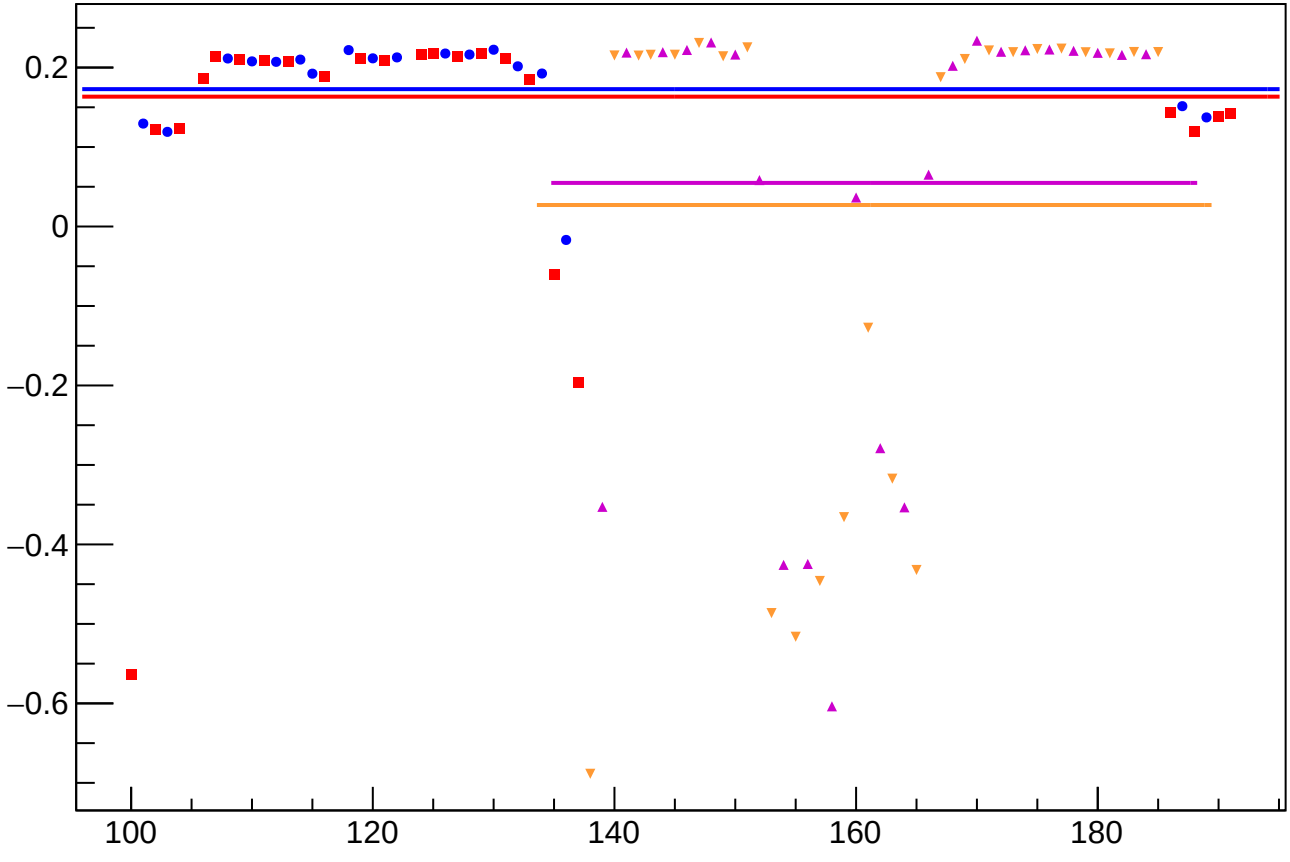
Left In: 0.002+/-0.000 χ^2/NDF:211544.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 818857.8/42

All: 0.002+/-0.000 χ^2/NDF: 1705799.9/88

- sign 0.002+/-0.000 χ^2/NDF: 881260.2/45

yield_bpm0l08X_mean vs Slug



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: 0.163+/-0.000 χ^2/NDF: 904975728.5/22

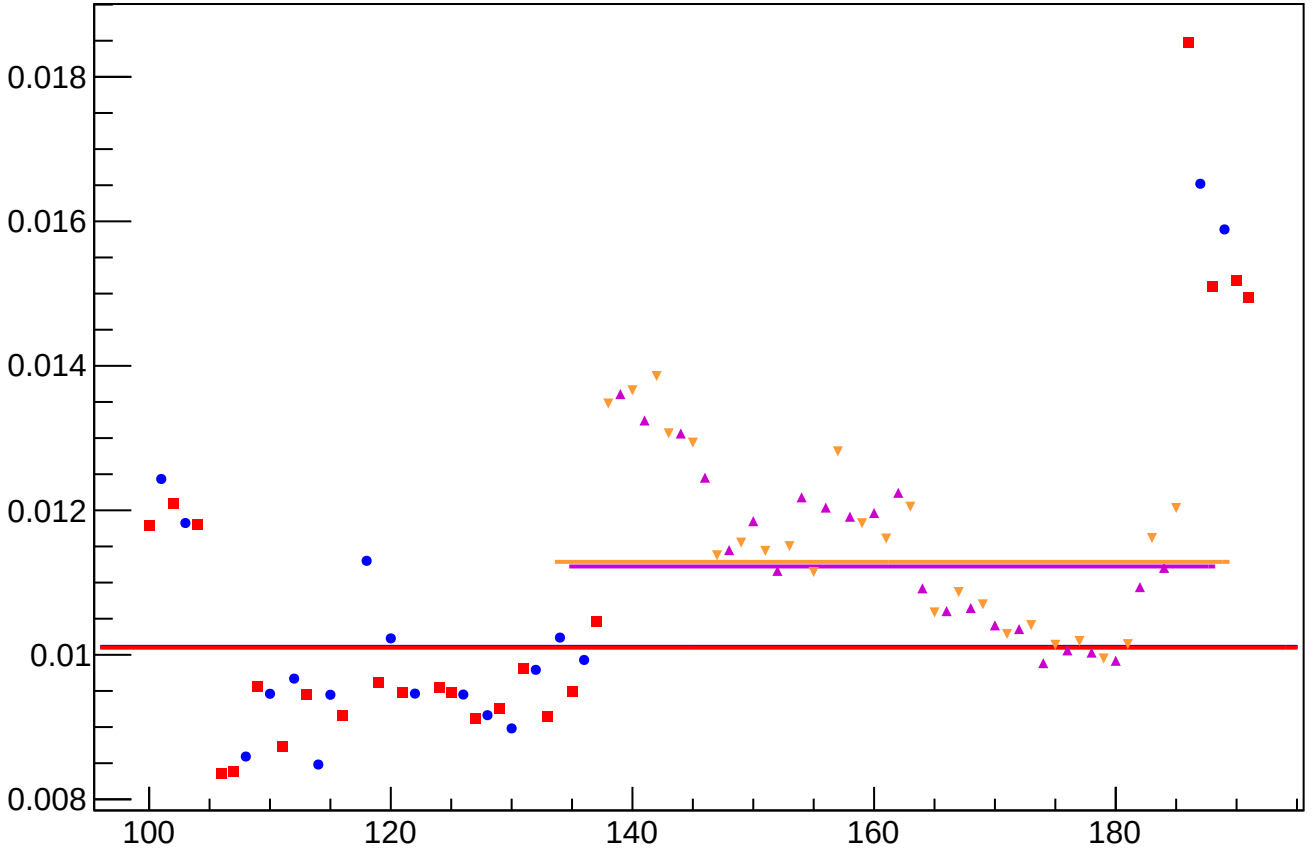
Left In: 0.055+/-0.000 χ^2/NDF:9704180322.0/22

+ sign 0.076+/-0.000 χ^2/NDF: 14407240886.4/42

All: 0.087+/-0.000 χ^2/NDF: 25689345163.7/8

- sign 0.097+/-0.000 χ^2/NDF: 11235132773.5/45

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

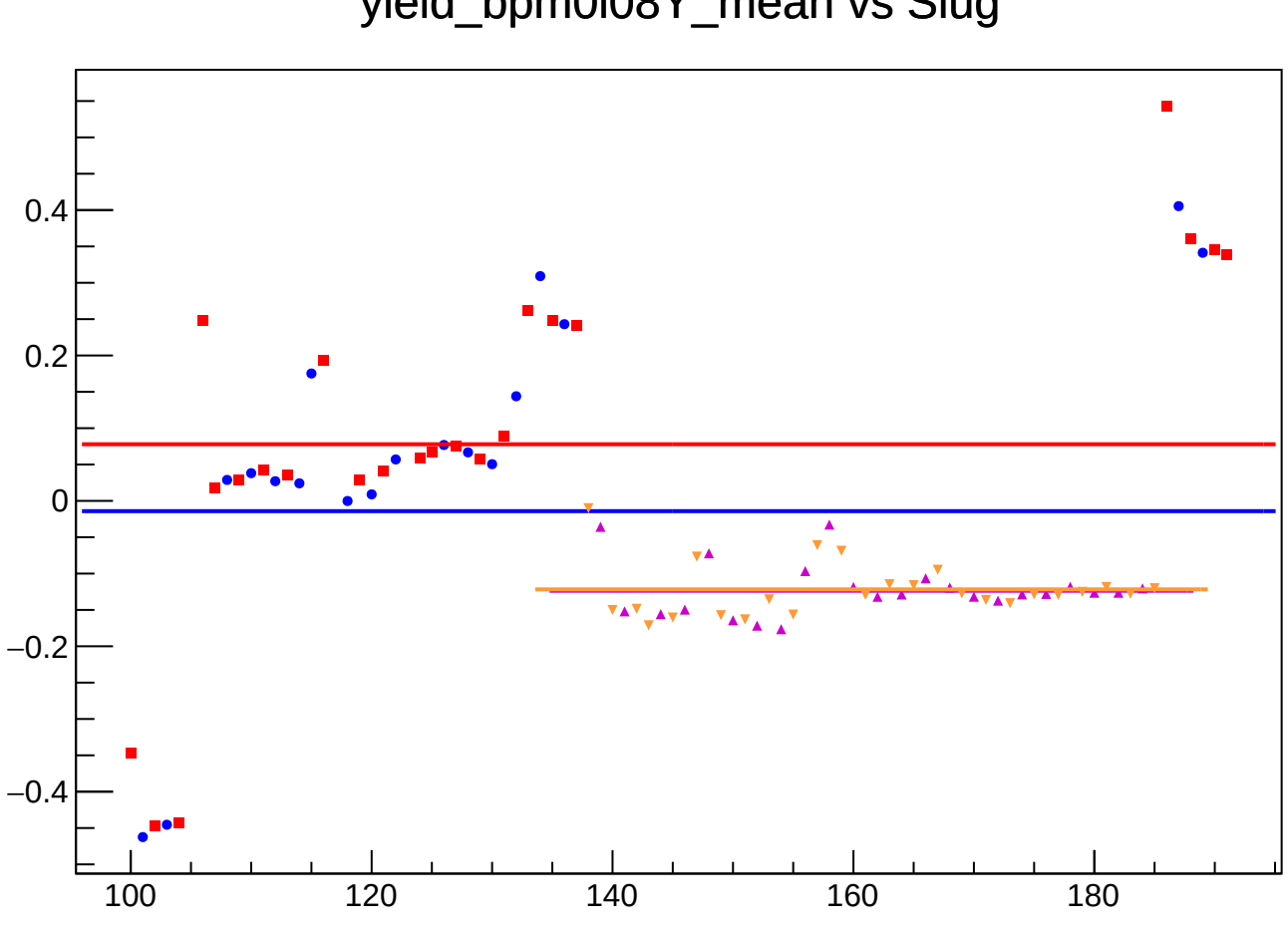
Right Out: 0.010+/-0.000 χ^2/NDF: 668746.2/22

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: 1925473.7/88

- sign 0.011+/-0.000 χ^2/NDF: 1118238.1/45



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: 0.078+/-0.000 χ^2/NDF: 39402657388.0/22

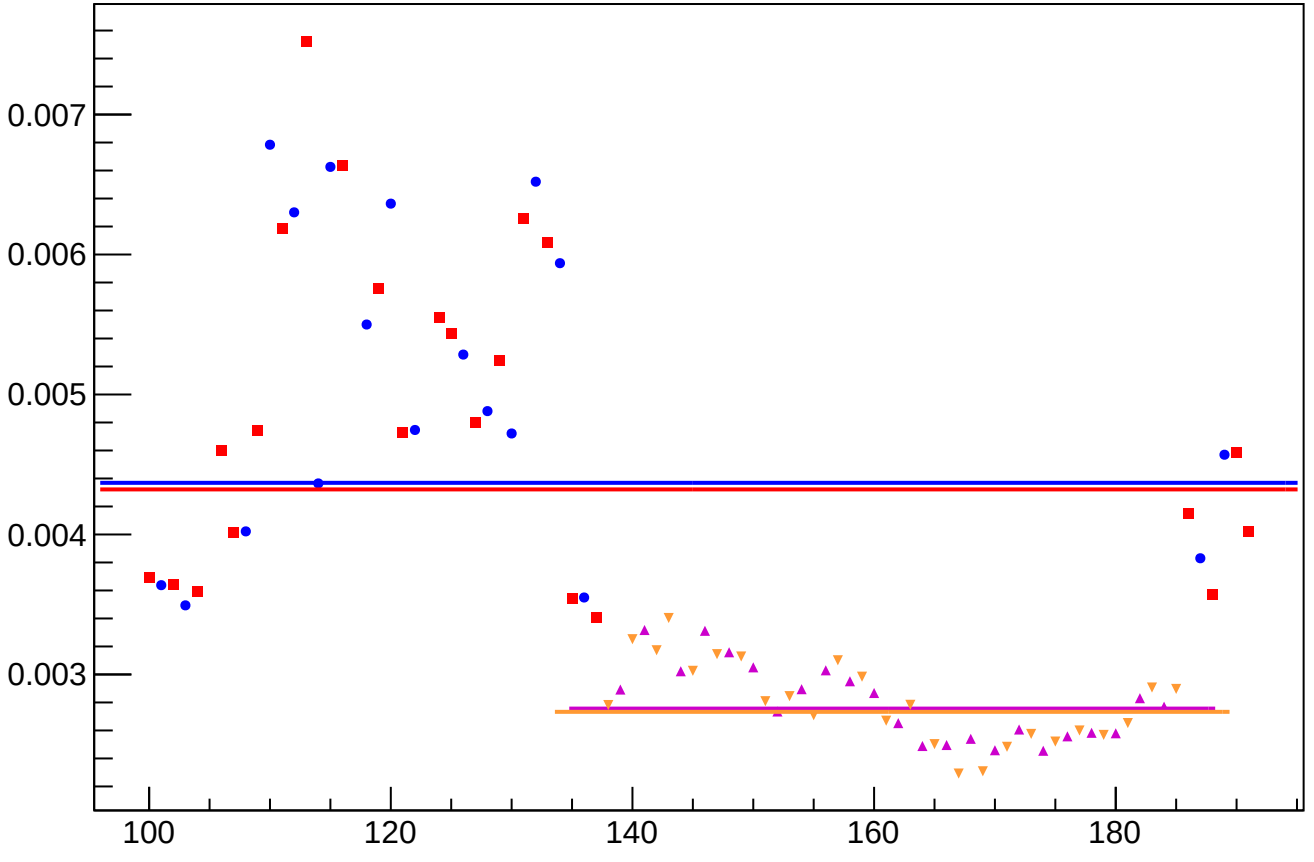
Left In: -0.124+/-0.000 χ^2/NDF:2809457047.2/22

+ sign -0.108+/-0.000 χ^2/NDF: 36094374862.9/42

All: -0.100+/-0.000 χ^2/NDF: 93645754372.8/

- sign -0.091+/-0.000 χ^2/NDF: 57153216042.5/45

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: 813097.9/22

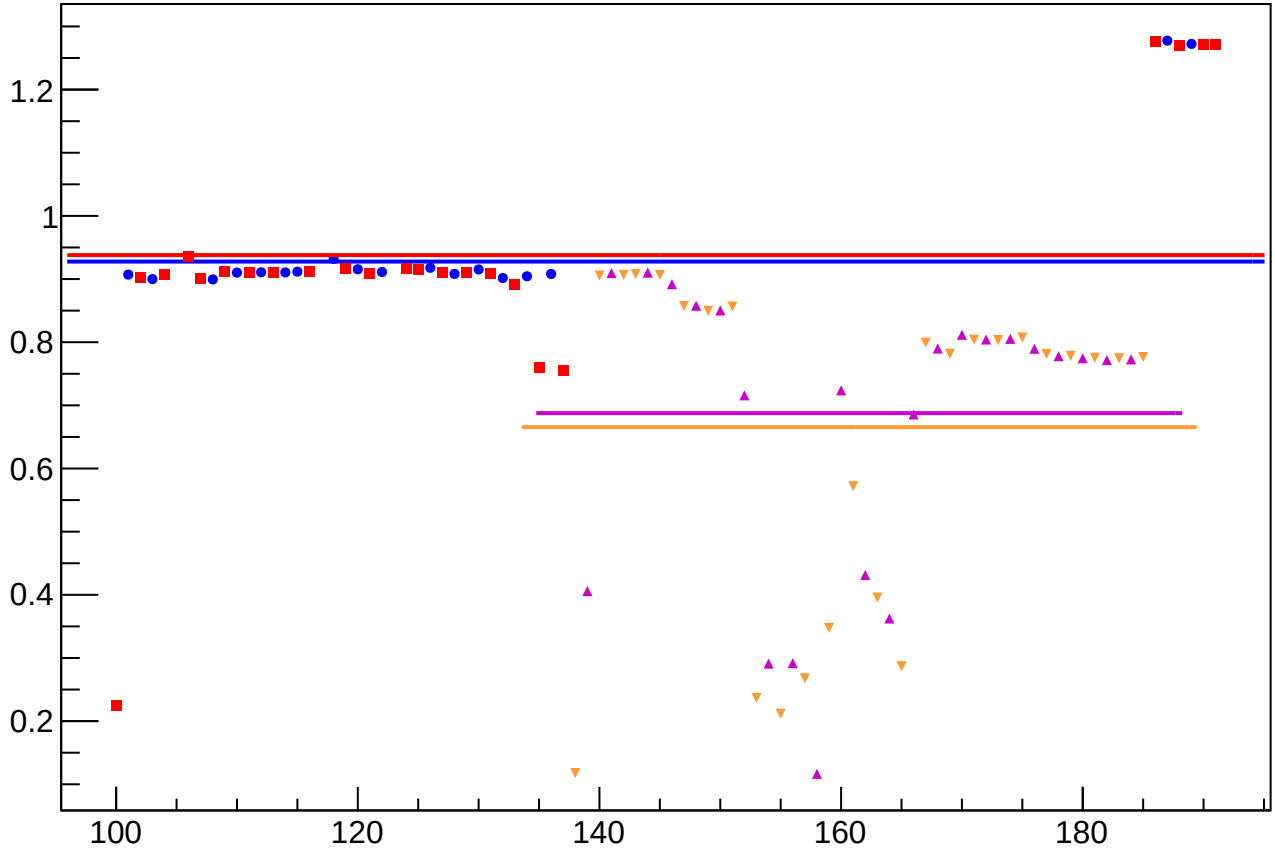
Left In: 0.003+/-0.000 χ^2/NDF:293113.7/22

+ sign 0.003+/-0.000 χ^2/NDF: 2718477.3/42

All: 0.003+/-0.000 χ^2/NDF: 5641877.3/88

- sign 0.003+/-0.000 χ^2/NDF: 2910201.0/45

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: 0.938+/-0.000 χ^2/NDF: 1415164579.3/22

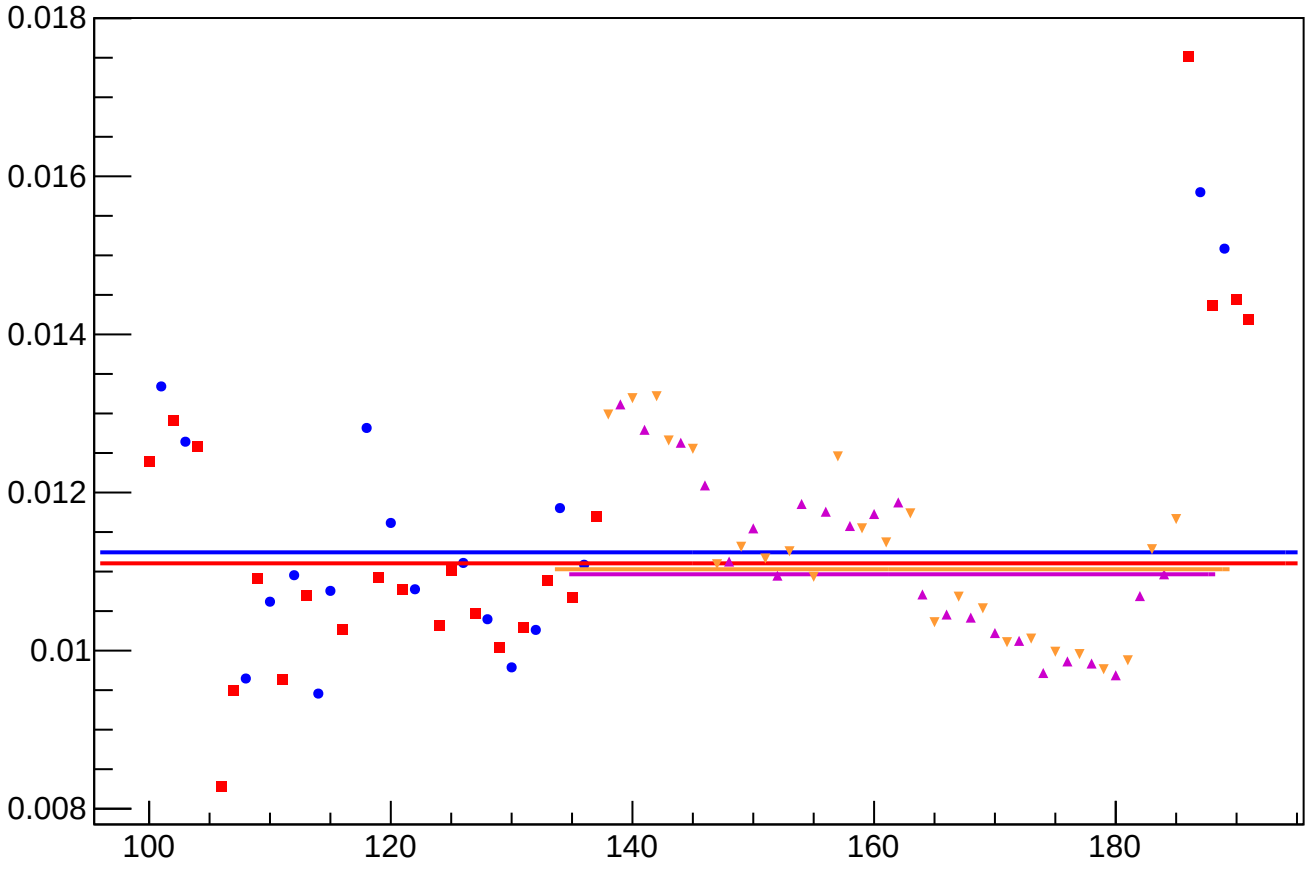
Left In: 0.688+/-0.000 χ^2/NDF:6999062215.3/22

+ sign 0.739+/-0.000 χ^2/NDF: 12516651708.9/42

All: 0.756+/-0.000 χ^2/NDF: 24071795337.9/8

- sign 0.771+/-0.000 χ^2/NDF: 11446462567.3/45

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: 431353.5/22

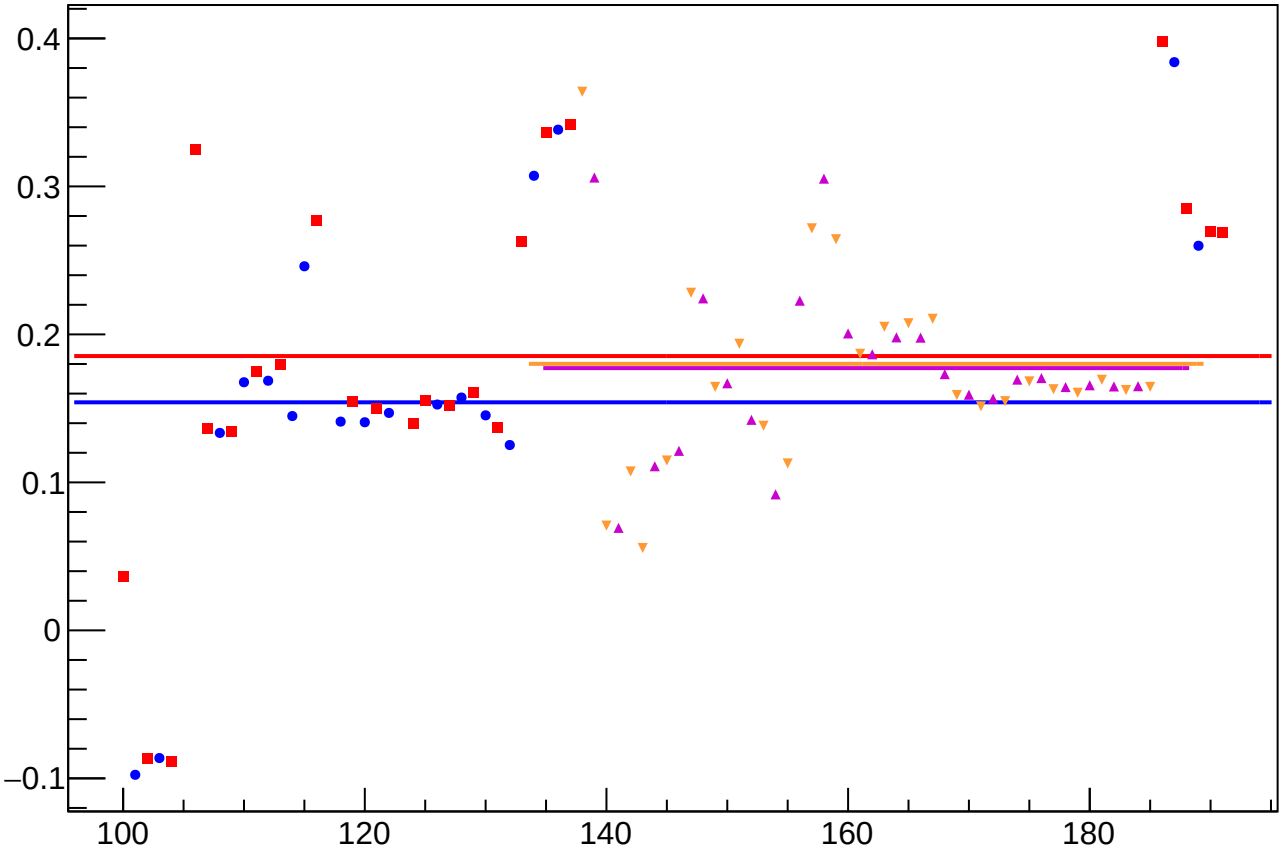
Left In: 0.011+/-0.000 χ^2/NDF:287650.0/22

\+ sign 0.011+/-0.000 χ^2/NDF: 533550.2/42

All: 0.011+/-0.000 χ^2/NDF: 1255707.3/88

\- sign 0.011+/-0.000 χ^2/NDF: 720859.0/45

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: 0.185+/-0.000 χ^2/NDF: 9013162644.5/22

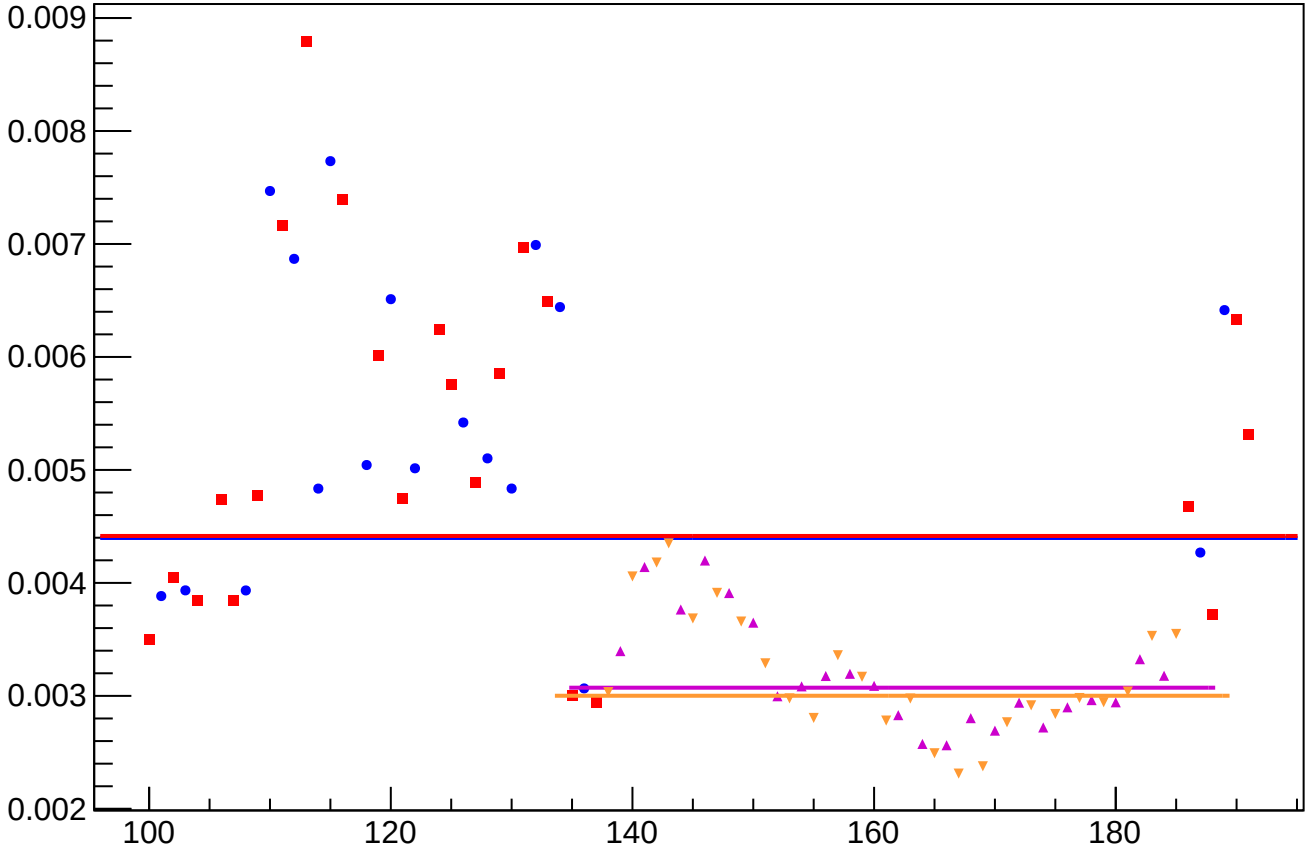
Left In: 0.177+/-0.000 χ^2/NDF:4620854117.7/22

+ sign 0.176+/-0.000 χ^2/NDF: 15105596924.0/42

All: 0.178+/-0.000 χ^2/NDF: 28766753445.4/8

- sign 0.179+/-0.000 χ^2/NDF: 13655328441.4/45

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

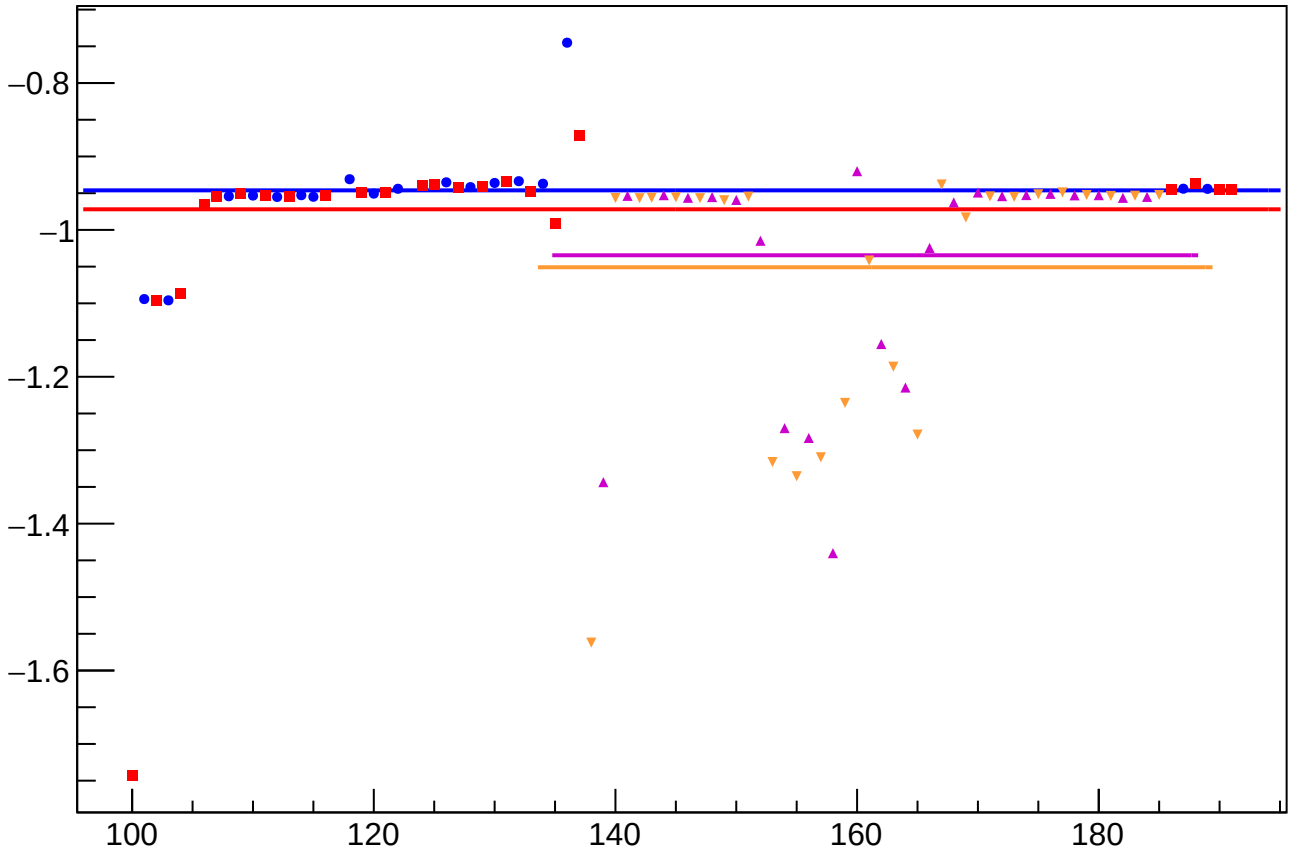
Right Out: 0.004+/-0.000 χ^2/NDF: 1218574.7/22

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: 5955417.7/88

- sign 0.003+/-0.000 χ^2/NDF: 2962651.0/45



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: -0.972+/-0.000 χ^2/NDF: 474726814.5/22

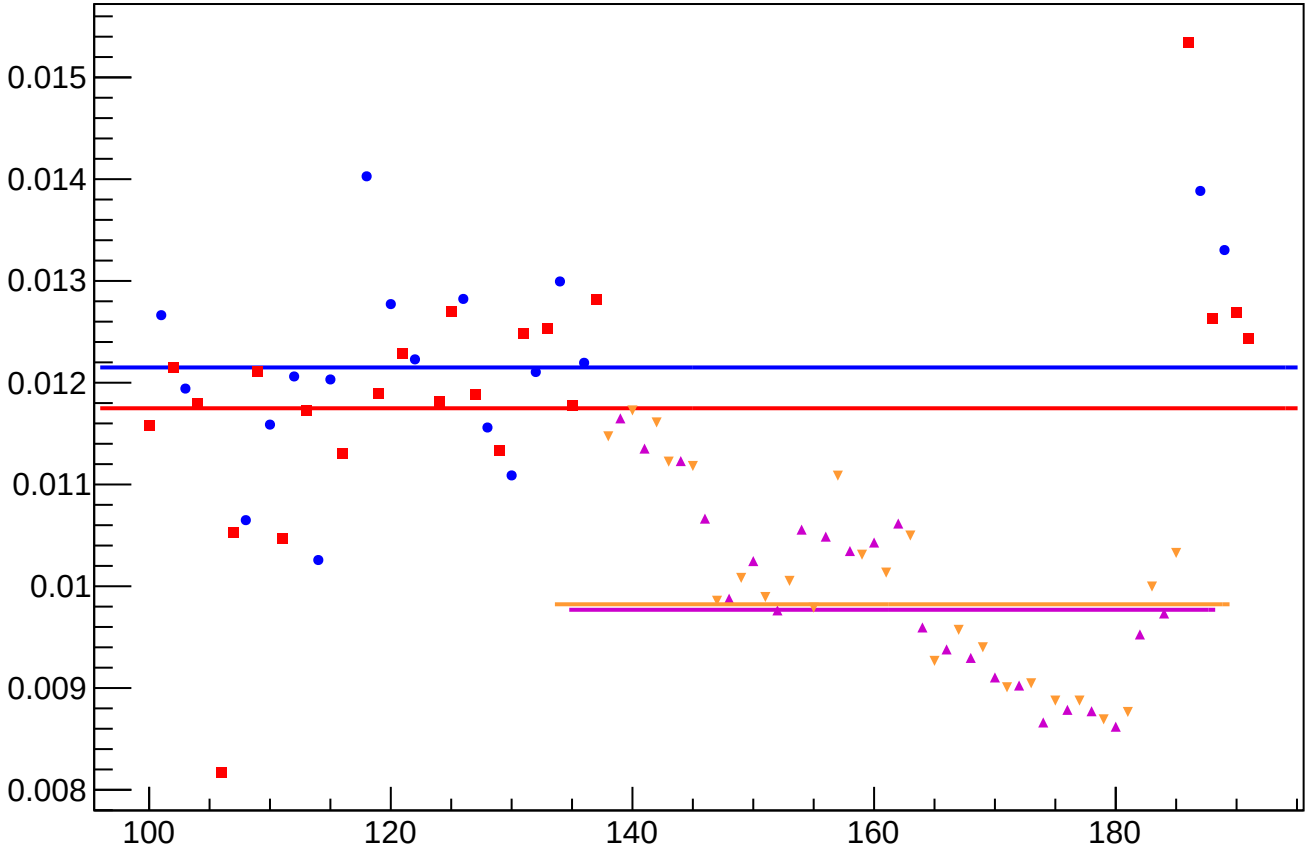
Left In: -1.035+/-0.000 χ^2/NDF:3925761523.9/22

+ sign -1.029+/-0.000 χ^2/NDF: 5929151268.4/42

All: -1.023+/-0.000 χ^2/NDF: 10532698674.9/

- sign -1.018+/-0.000 χ^2/NDF: 4589458687.8/45

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

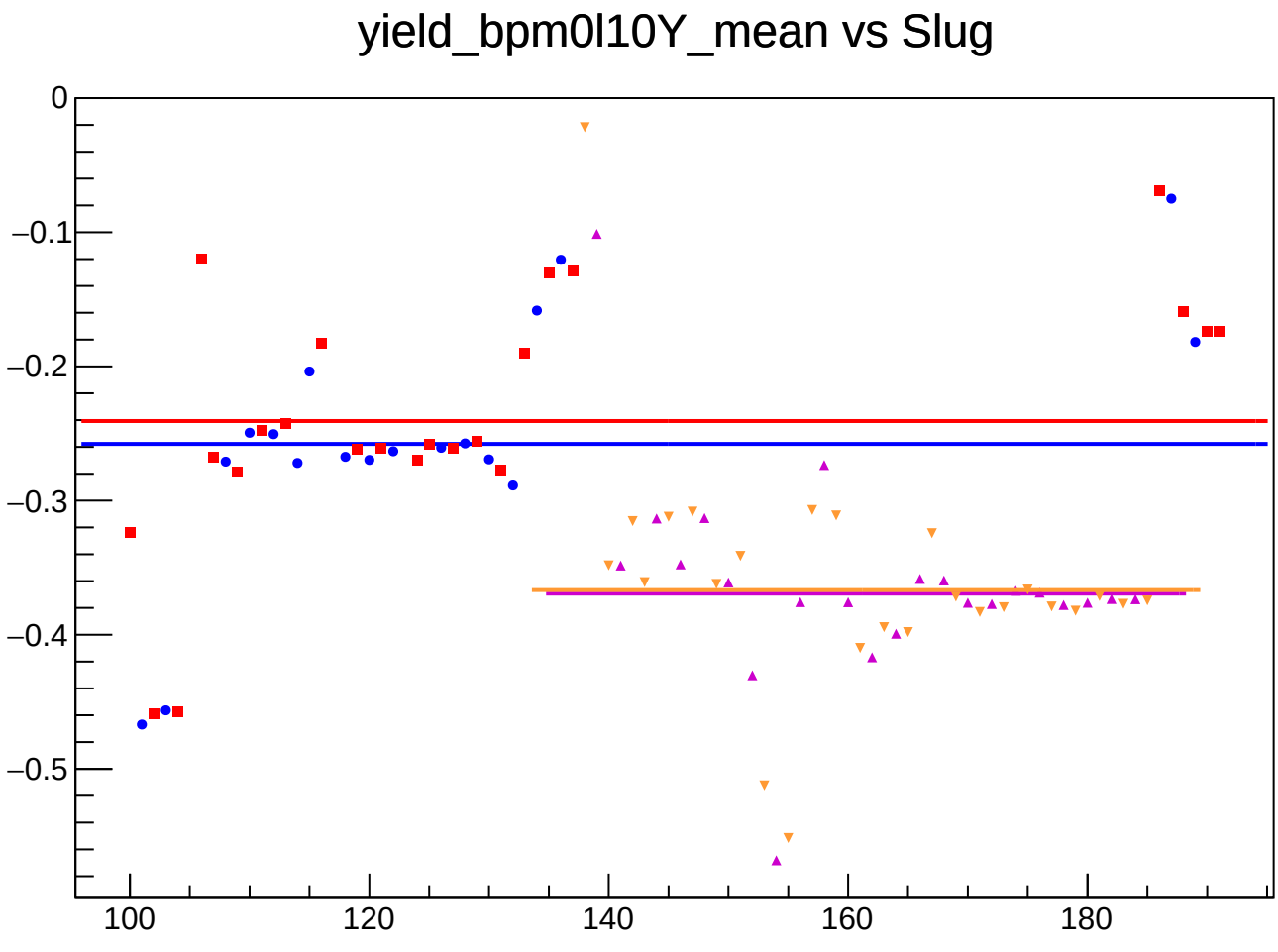
Right Out: 0.012+/-0.000 χ^2/NDF: 213446.7/22

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: 1680981.9/88

- sign 0.010+/-0.000 χ^2/NDF: 873407.8/45



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: -0.241+/-0.000 χ^2/NDF: 6437992200.0/22

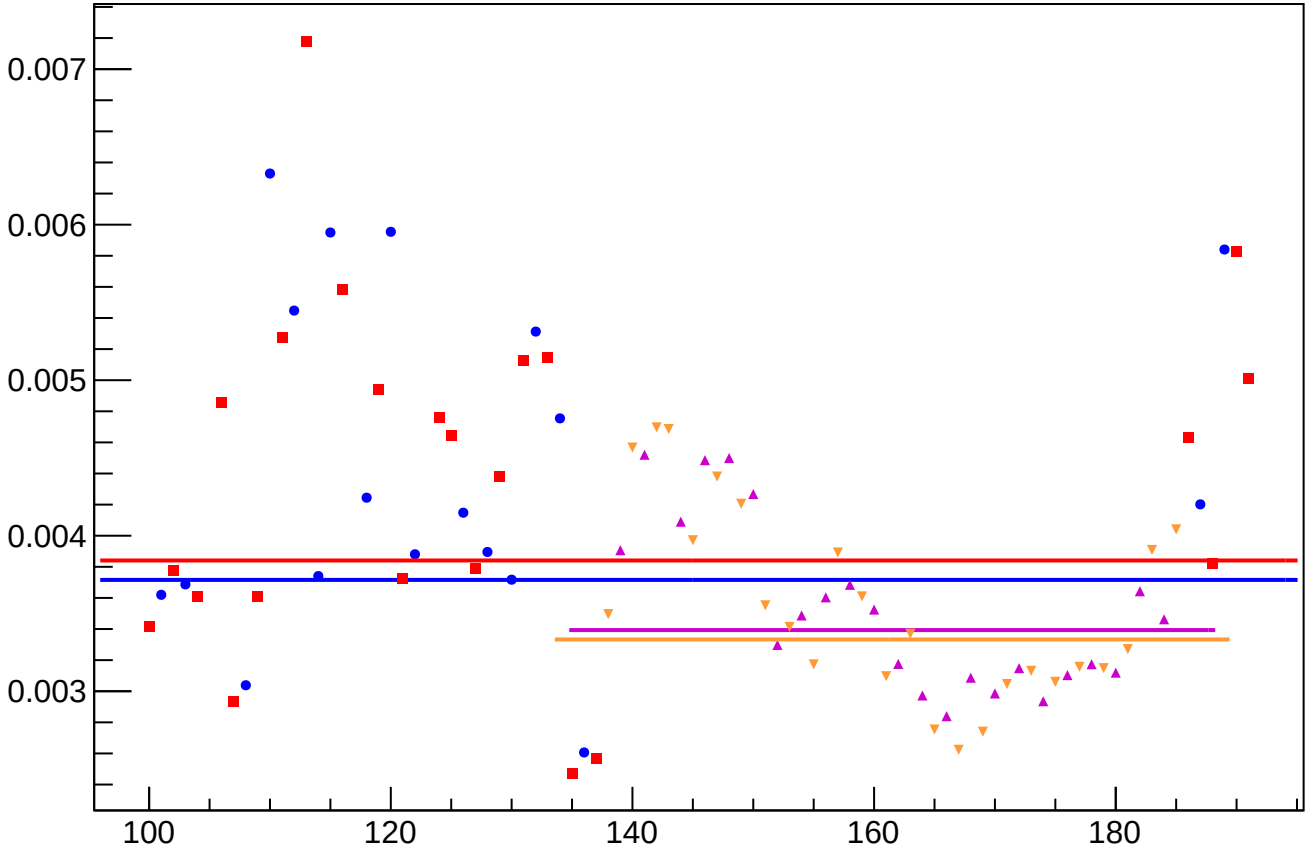
Left In: -0.369+/-0.000 χ^2/NDF:7581323027.3/22

+ sign -0.342+/-0.000 χ^2/NDF: 22652711451.4/42

All: -0.339+/-0.000 χ^2/NDF: 43096003497.0/

- sign -0.335+/-0.000 χ^2/NDF: 20391262052.1/45

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: 1023631.9/22

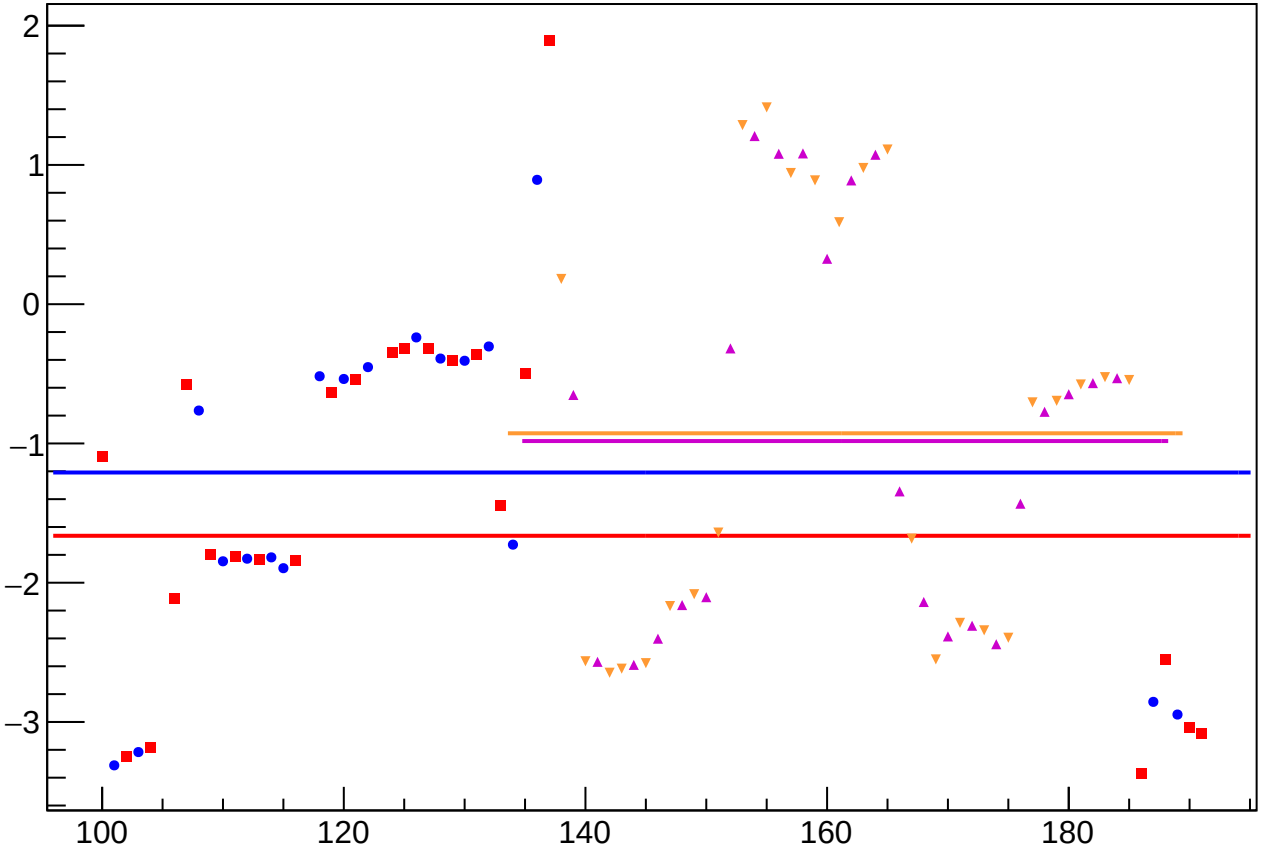
Left In: 0.003+/-0.000 χ^2/NDF:633604.8/22

+ sign 0.003+/-0.000 χ^2/NDF: 1832967.4/42

All: 0.003+/-0.000 χ^2/NDF: 3662036.9/88

- sign 0.004+/-0.000 χ^2/NDF: 1811448.7/45

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: -1.663+/-0.000 χ^2/NDF: 2666896788.1/22

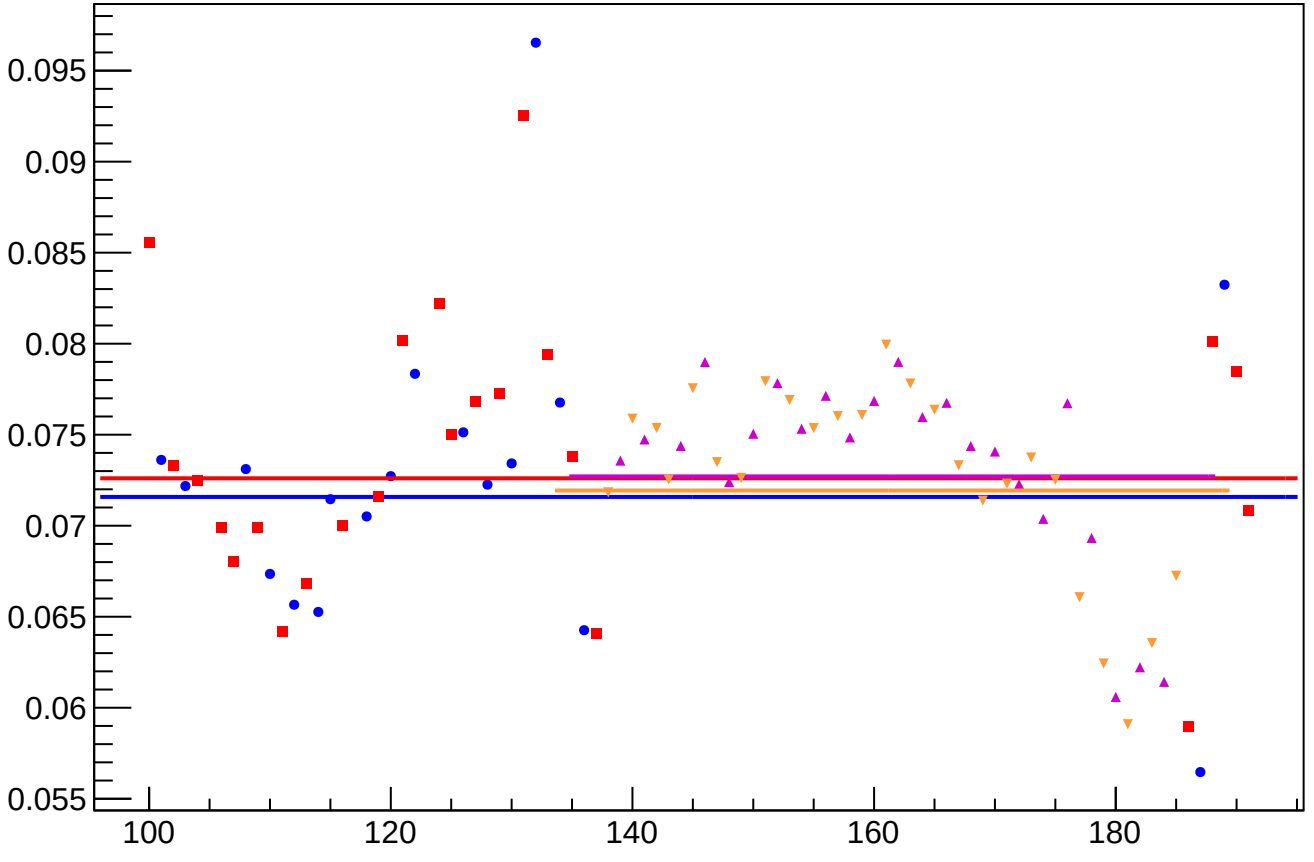
Left In: -0.983+/-0.000 χ^2/NDF:5918975536.0/22

+ sign -1.009+/-0.000 χ^2/NDF: 10089041196.7/42

All: -1.111+/-0.000 χ^2/NDF: 19314248676.7/

- sign -1.213+/-0.000 χ^2/NDF: 9117412559.0/45

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

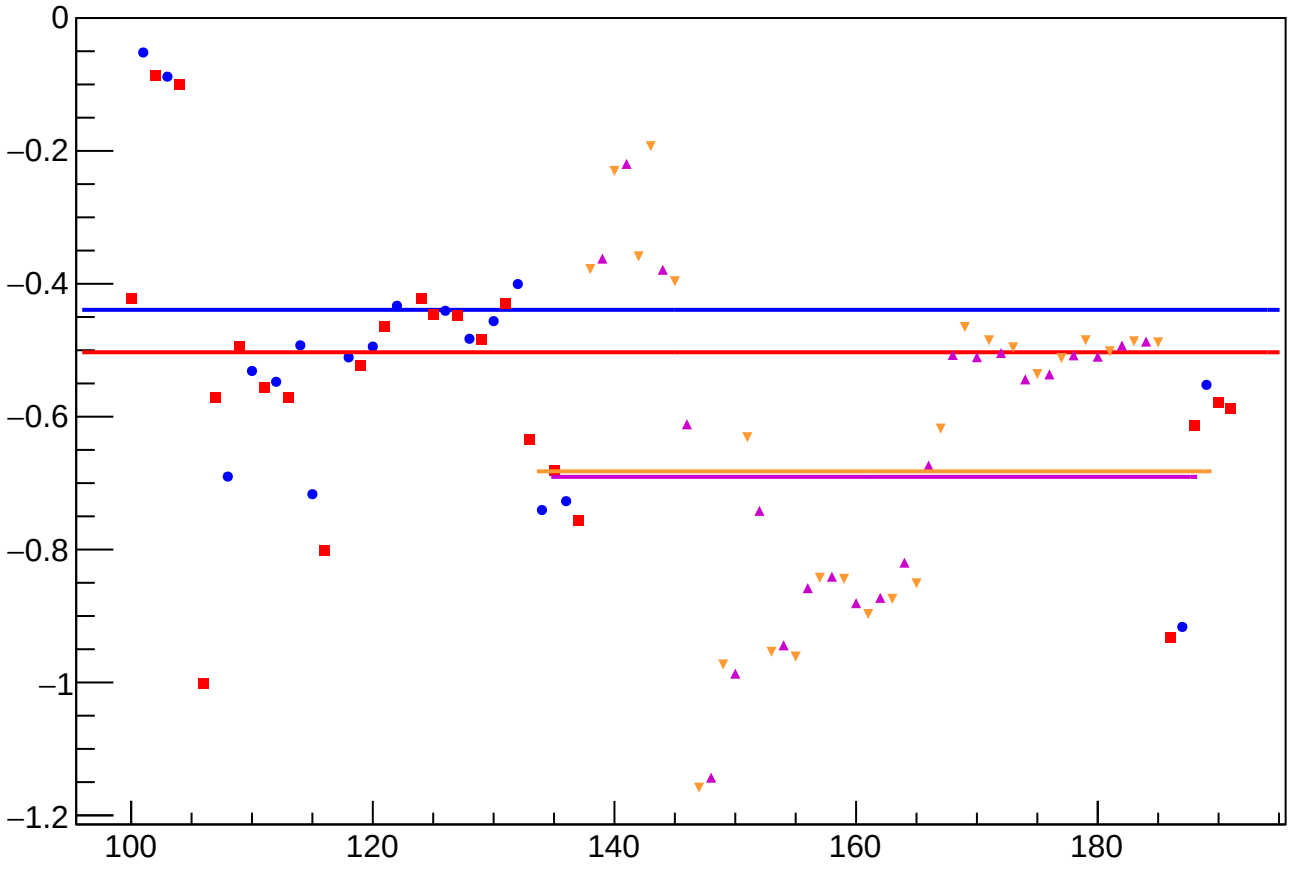
Right Out: 0.073+/-0.000 χ^2/NDF: 160295.2/22

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: 743364.6/88

- sign 0.073+/-0.000 χ^2/NDF: 357329.1/45



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: -0.503+/-0.000 χ^2/NDF: 4221354634.8/22

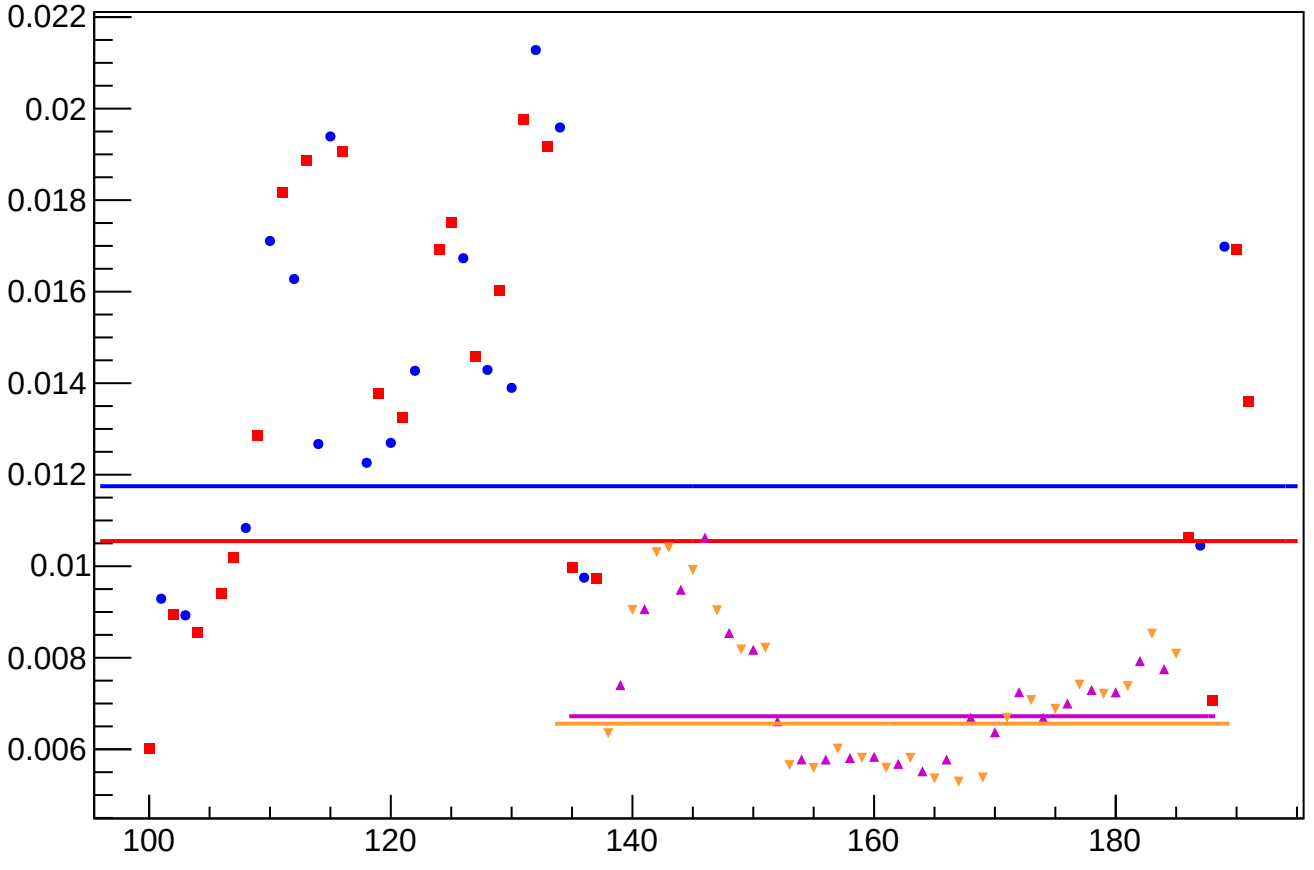
Left In: -0.691+/-0.000 χ^2/NDF:16867819938.3/22

+ sign -0.657+/-0.000 χ^2/NDF: 27799405388.2/42

All: -0.659+/-0.000 χ^2/NDF: 50877079552.7/

- sign -0.662+/-0.000 χ^2/NDF: 23071764173.4/45

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: 0.011+/-0.000 χ^2/NDF: 1733351.3/22

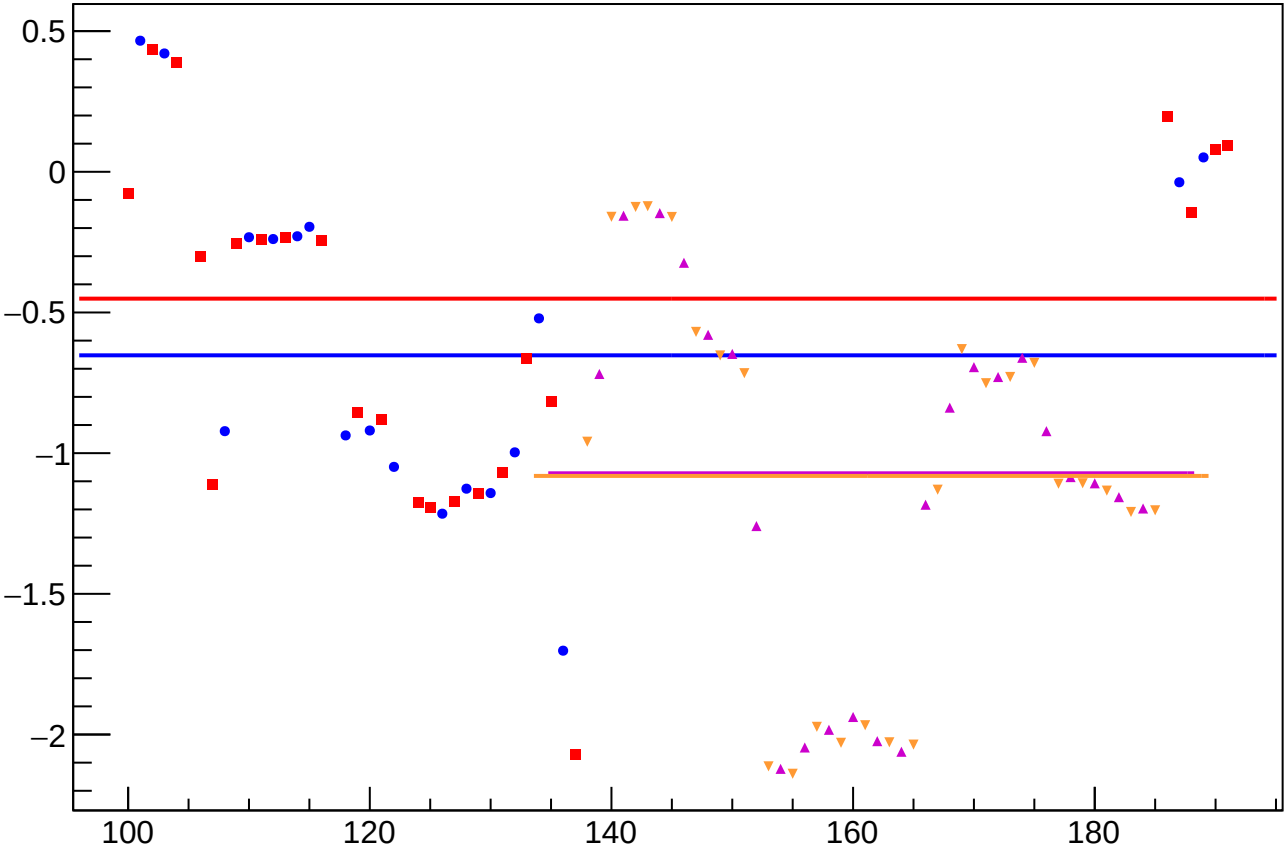
Left In: 0.007+/-0.000 χ^2/NDF:960755.3/22

+ sign 0.007+/-0.000 χ^2/NDF: 4588676.3/42

All: 0.007+/-0.000 χ^2/NDF: 8953385.5/88

- sign 0.007+/-0.000 χ^2/NDF: 4346231.5/45

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: -0.451+/-0.000 χ^2/NDF: 427176483.9/22

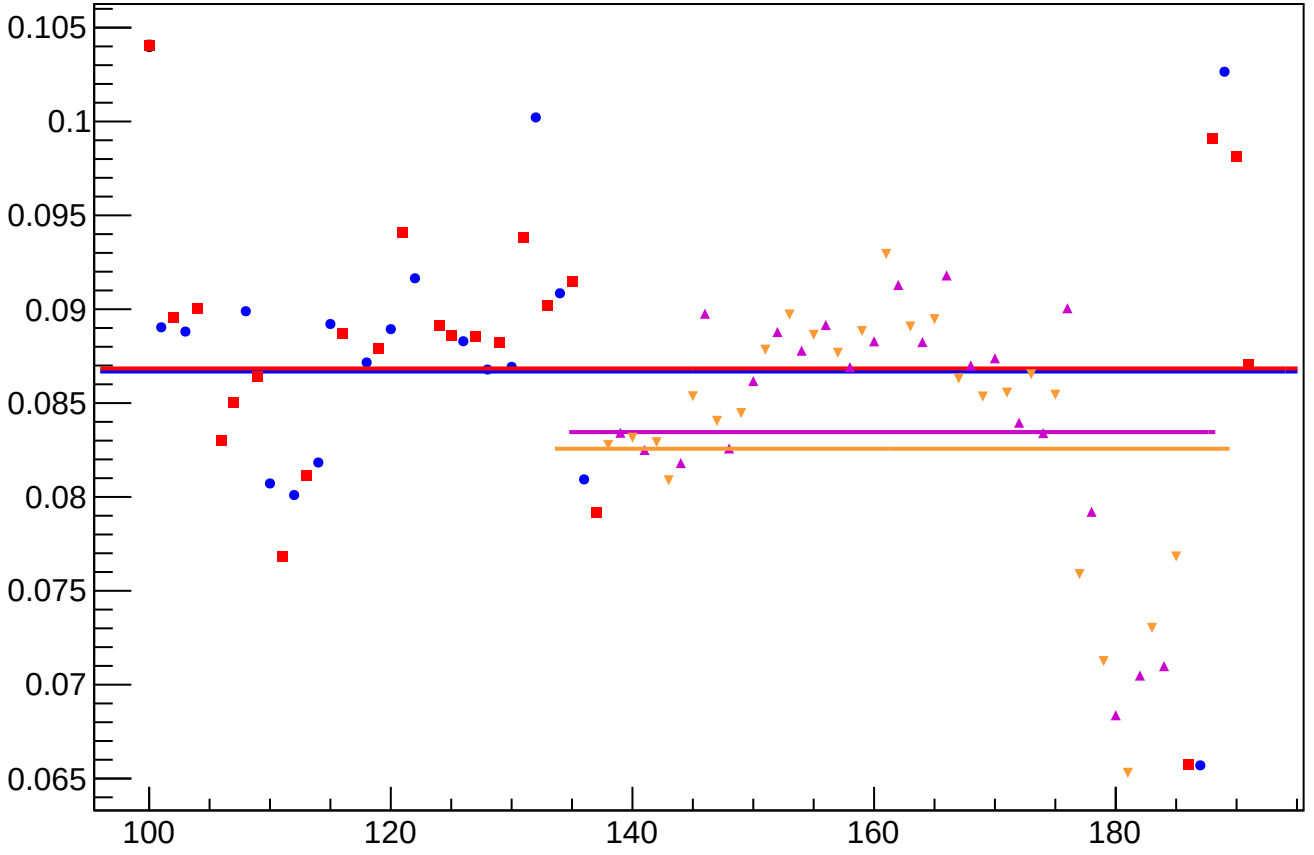
Left In: -1.072+/-0.000 χ^2/NDF:975623531.2/22

+ sign -0.965+/-0.000 χ^2/NDF: 1774594610.2/42

All: -0.918+/-0.000 χ^2/NDF: 3517084175.2/8

- sign -0.871+/-0.000 χ^2/NDF: 1725786207.3/45

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: 168695.9/22

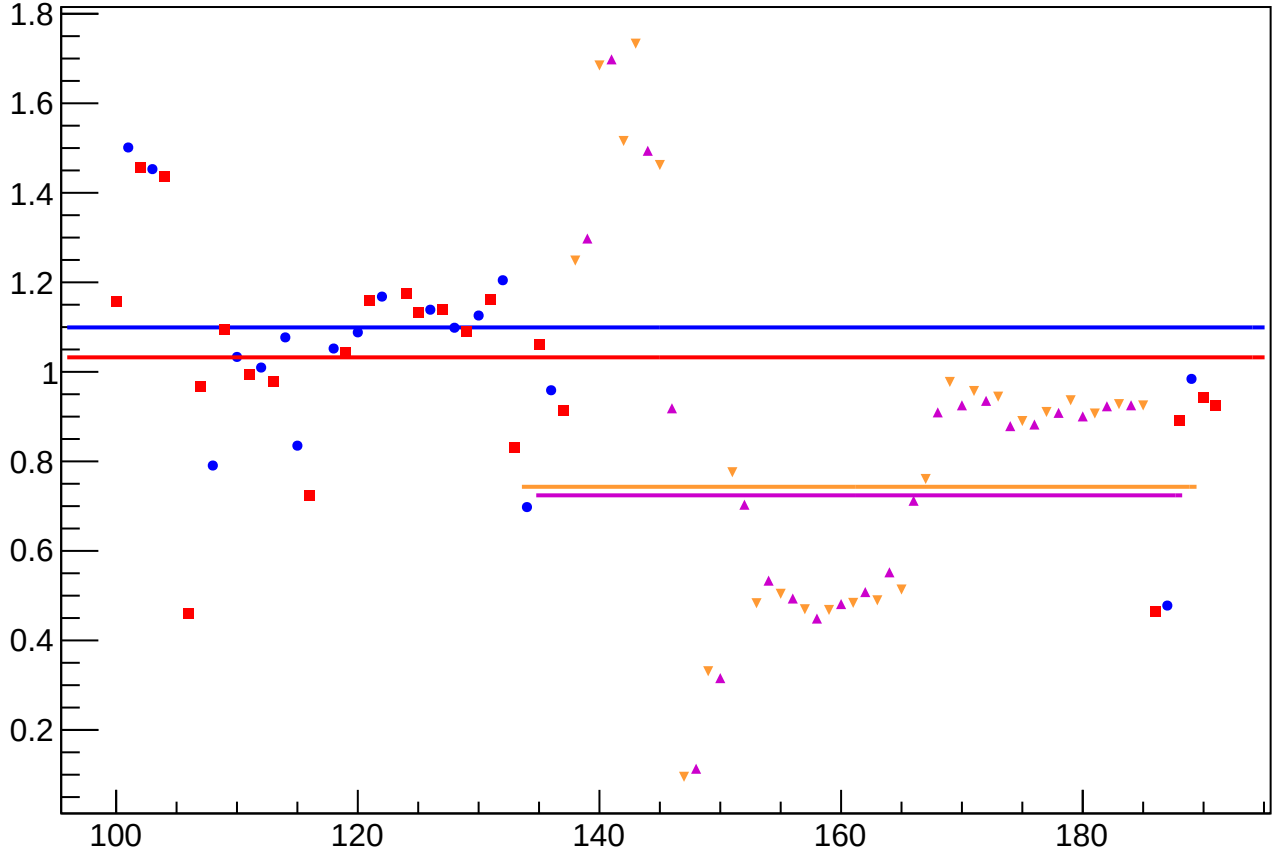
Left In: 0.083+/-0.000 χ^2/NDF:238412.3/22

+ sign 0.084+/-0.000 χ^2/NDF: 424017.3/42

All: 0.084+/-0.000 χ^2/NDF: 853245.8/88

- sign 0.085+/-0.000 χ^2/NDF: 426360.4/45

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: 1.032+/-0.000 χ^2/NDF: 2547342068.2/22

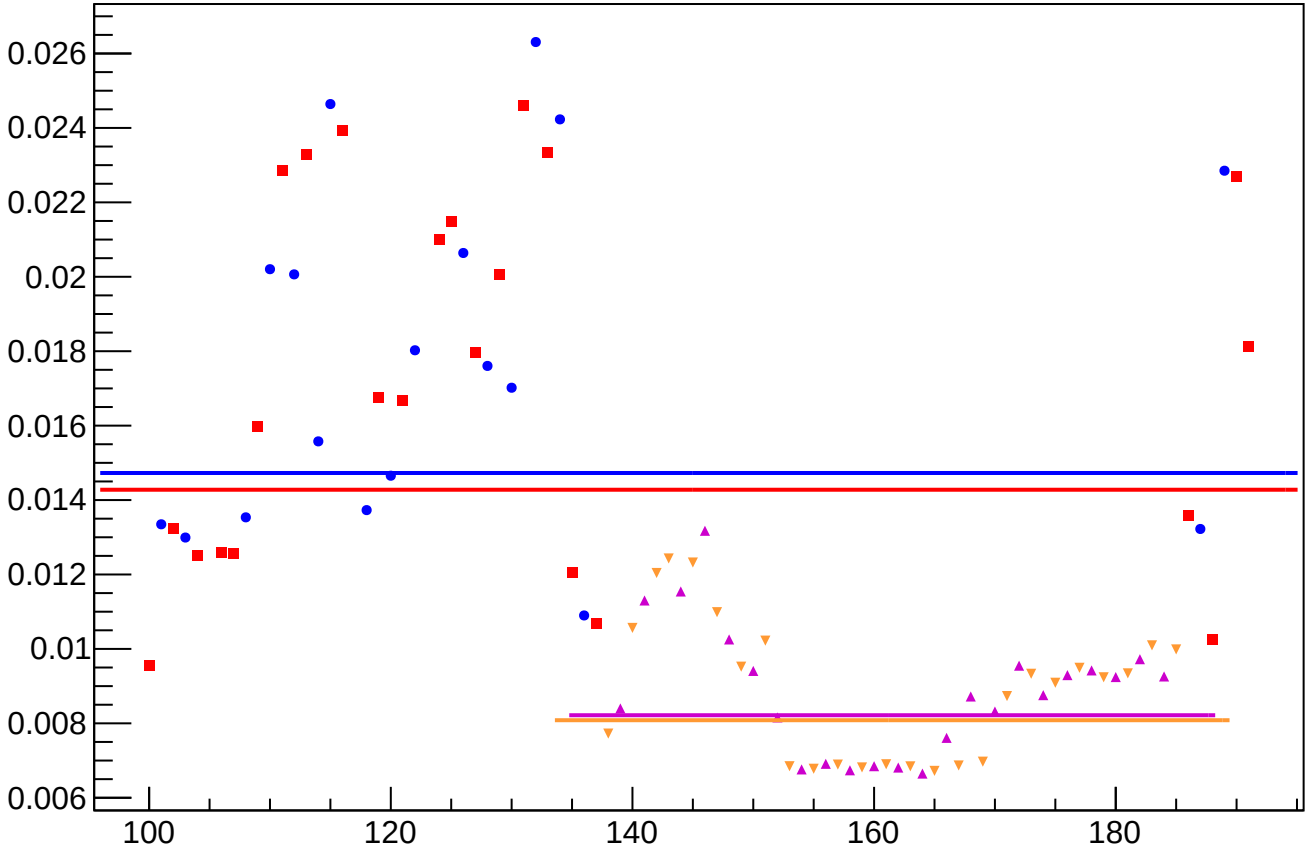
Left In: 0.724+/-0.000 χ^2/NDF:25654534031.9/22

+ sign 0.779+/-0.000 χ^2/NDF: 37852002976.2/42

All: 0.772+/-0.000 χ^2/NDF: 69174580132.2/8

- sign 0.765+/-0.000 χ^2/NDF: 31292539575.8/45

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: 1258623.8/22

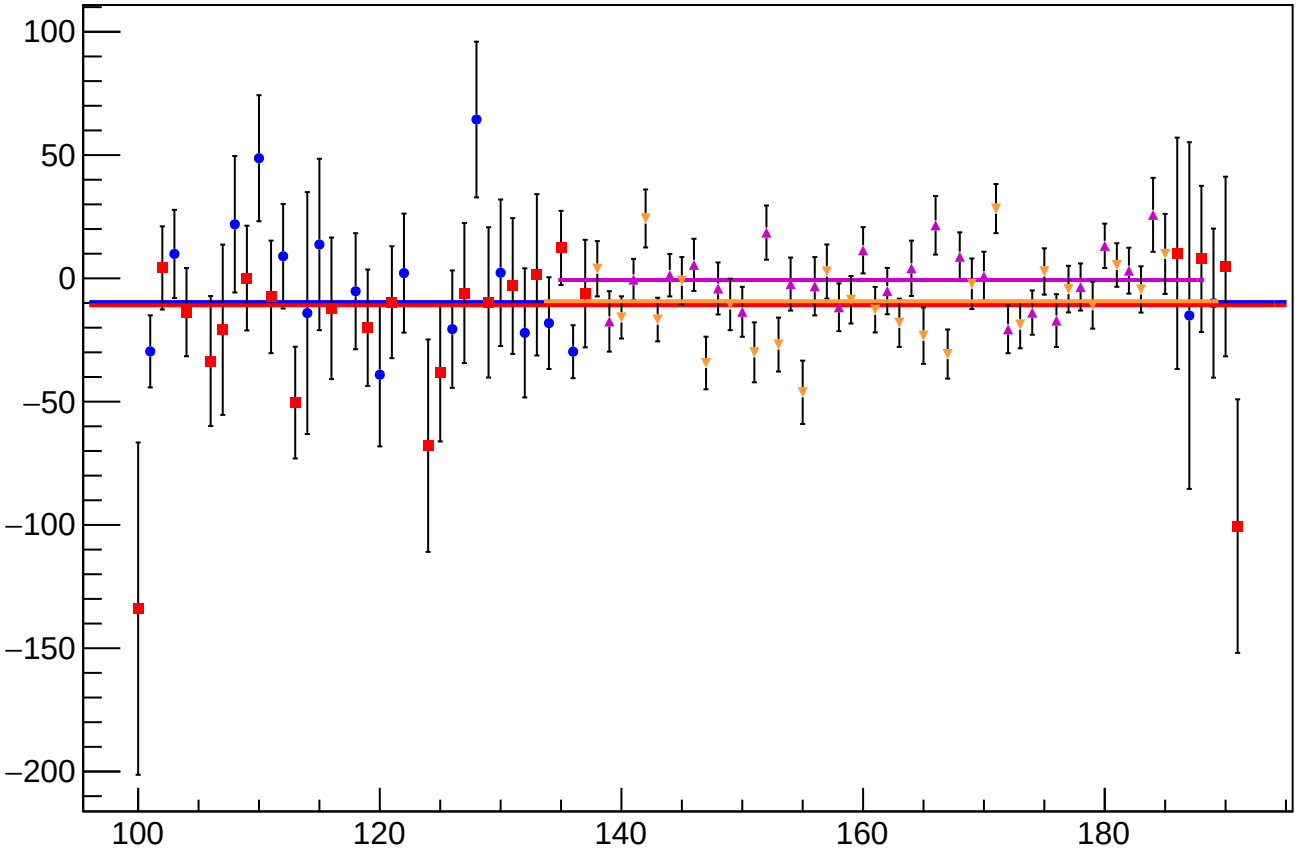
Left In: 0.008+/-0.000 χ^2/NDF:1127833.6/22

\+ sign 0.009+/-0.000 χ^2/NDF: 4652232.9/42

All: 0.009+/-0.000 χ^2/NDF: 9447092.7/88

\- sign 0.009+/-0.000 χ^2/NDF: 4774491.4/45

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: -10.908+/-5.284 χ^2/NDF: 17.7/22

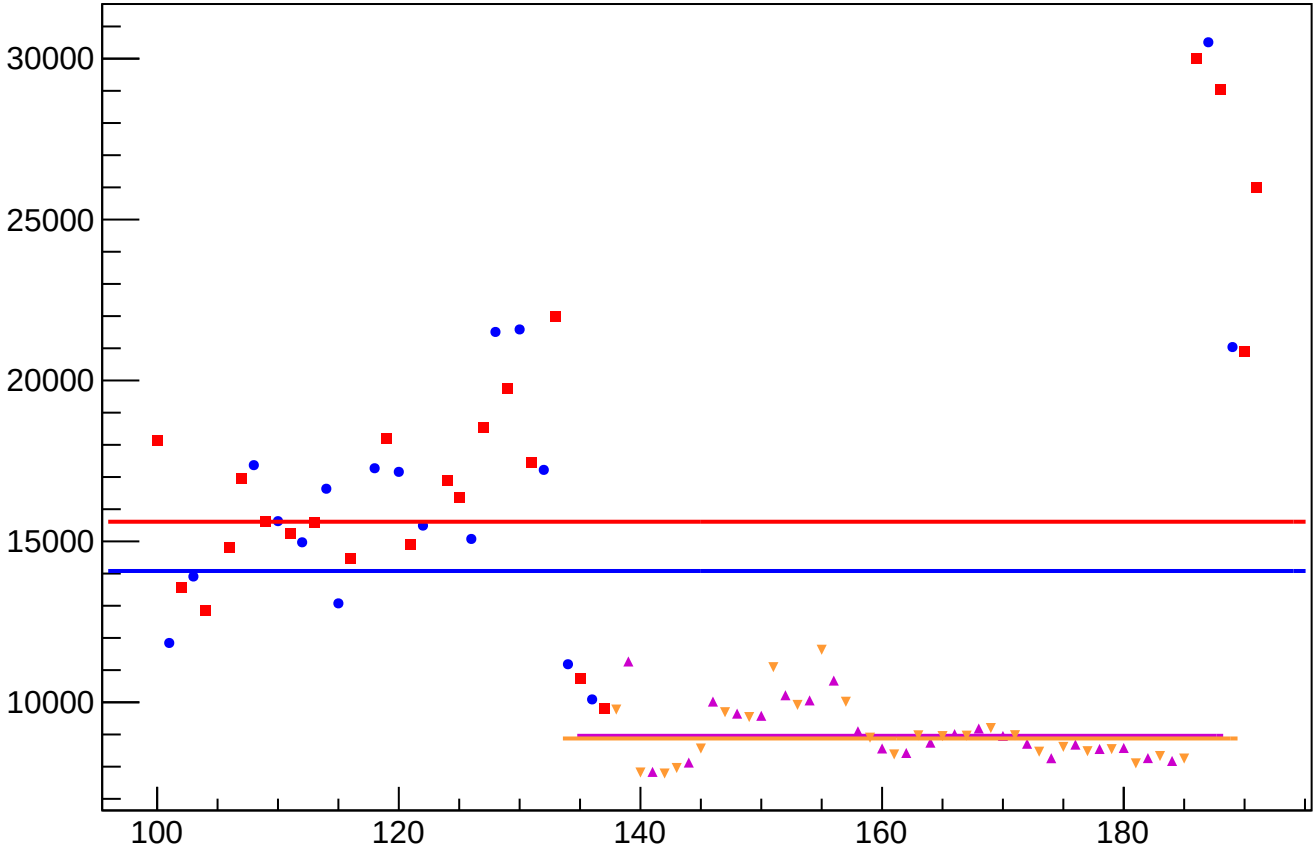
Left In: -0.676+/-2.104 χ^2/NDF:29.4/22

+ sign -9.336+/-1.891 χ^2/NDF: 83.1/42

All: -5.826+/-1.359 χ^2/NDF: 140.5/88

- sign -2.077+/-1.955 χ^2/NDF: 50.3/45

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

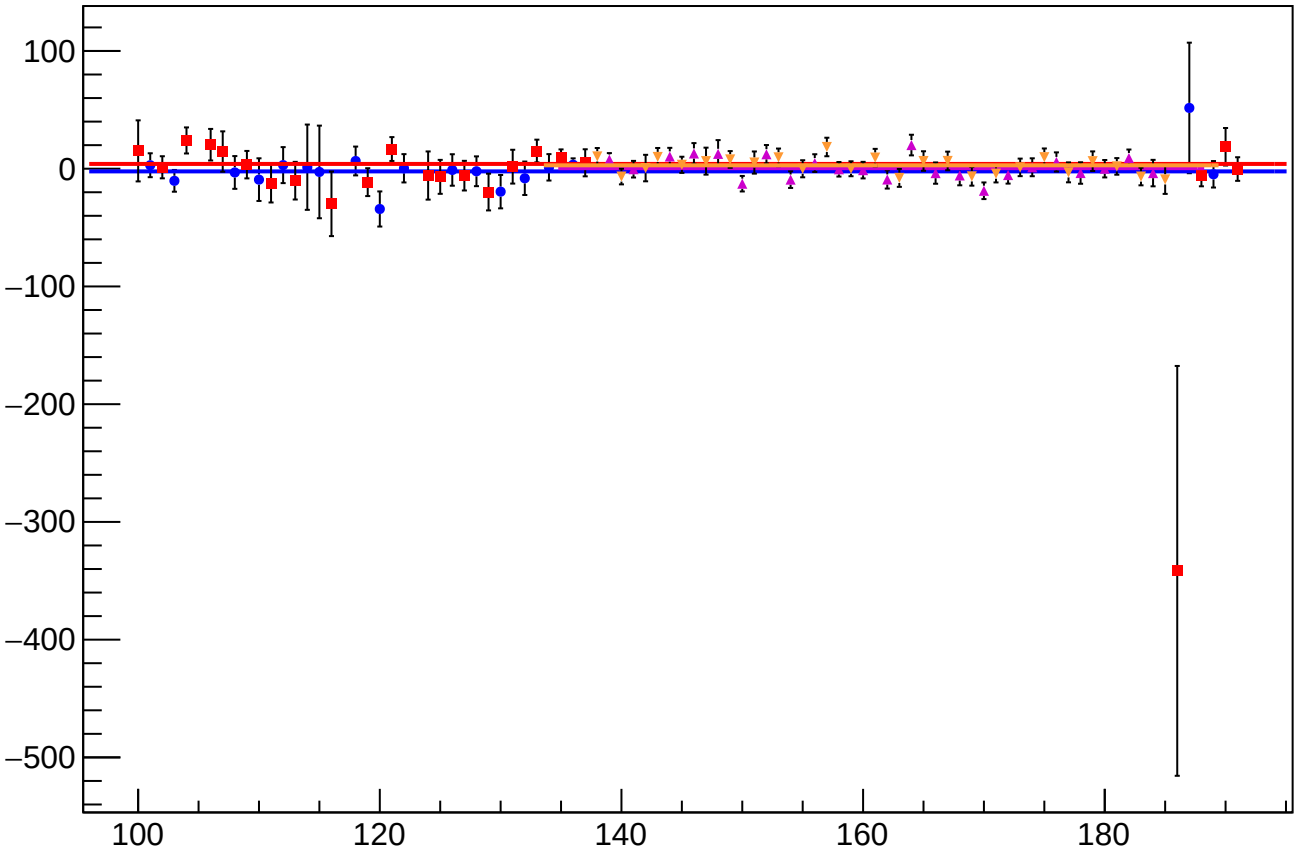
Right Out: 15610.798+/-3.736 χ^2/NDF: 1333107.3/22

Left In: 8958.661+/-1.488 χ^2/NDF:301724.6/22

+ sign 9564.925+/-1.337 χ^2/NDF: 3056718.6/42

All: 9712.019+/-0.961 χ^2/NDF: 7452478.3/88

- sign 9869.161+/-1.382 χ^2/NDF: 4370739.5/45



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: 4.053+/-2.586 χ^2/NDF: 23.7/22

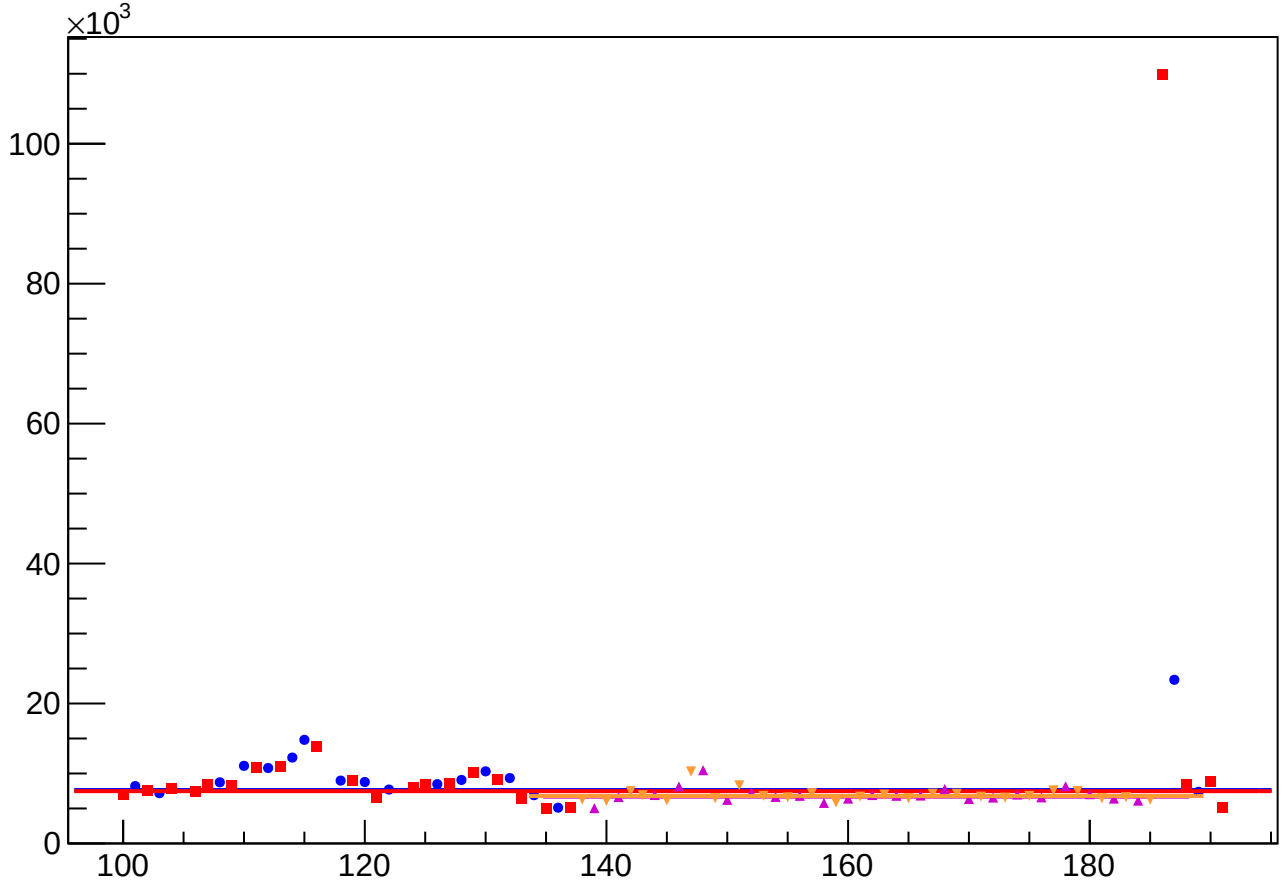
Left In: 0.456+/-1.581 χ^2/NDF:32.8/22

+ sign 1.679+/-1.361 χ^2/NDF: 32.3/42

All: 1.556+/-0.958 χ^2/NDF: 90.2/88

- sign 1.435+/-1.349 χ^2/NDF: 57.9/45

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

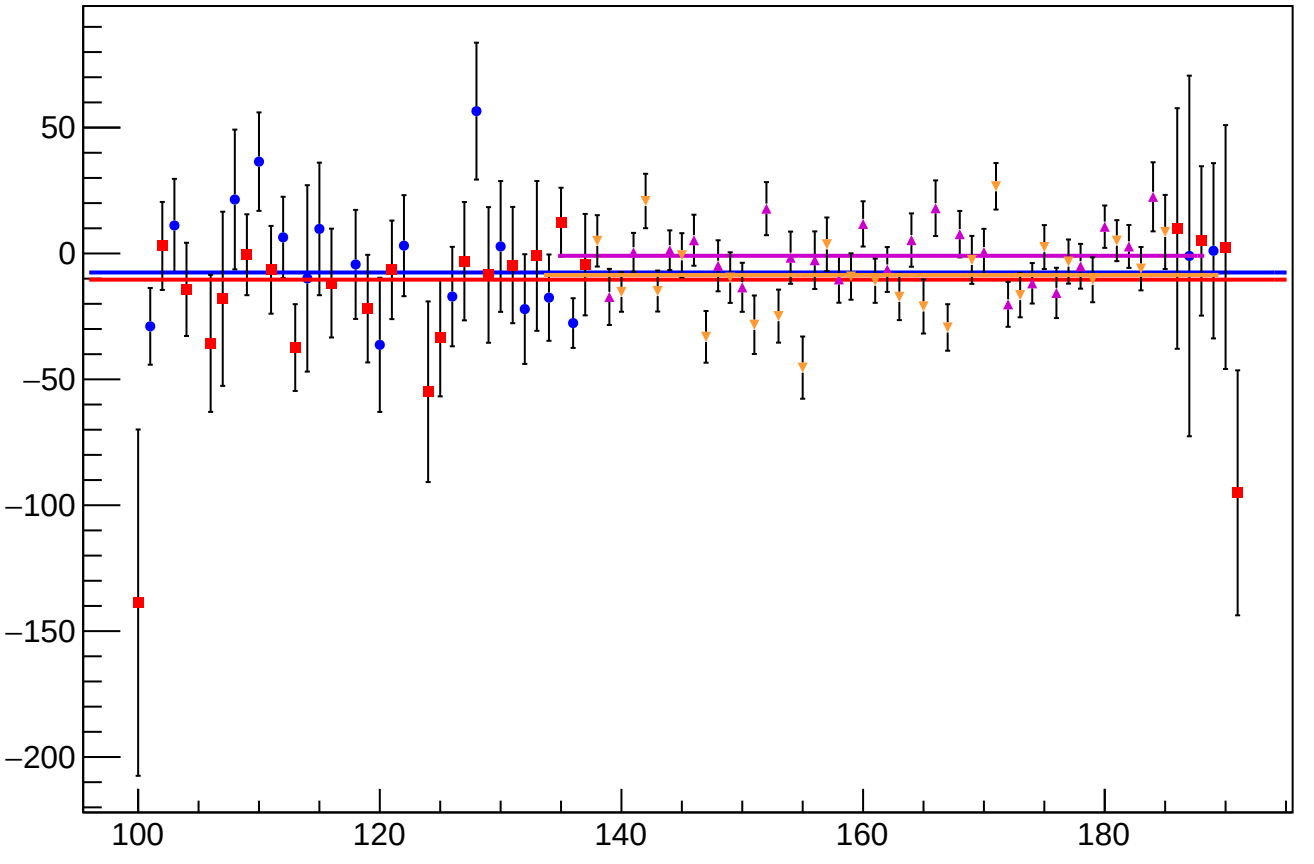
Right Out: 7473.400+/-1.828 χ^2/NDF: 1669708.5/22

Left In: 6689.550+/-1.118 χ^2/NDF:620276.8/22

+ sign 6975.552+/-0.963 χ^2/NDF: 1595380.9/42

All: 6938.924+/-0.678 χ^2/NDF: 4022005.3/88

- sign 6902.954+/-0.954 χ^2/NDF: 2423754.9/45



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: -10.399+/-4.708 χ^2/NDF: 17.5/22

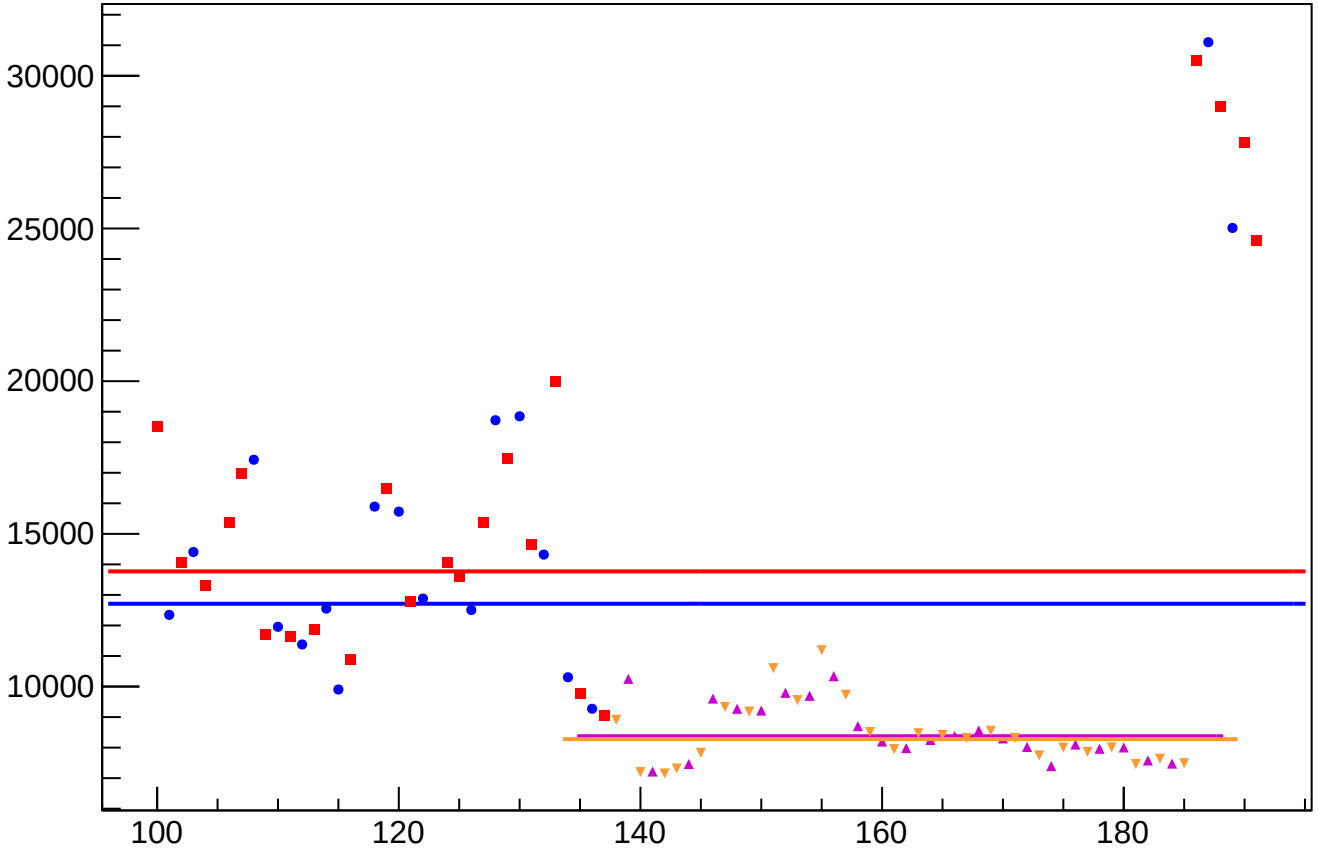
Left In: -0.919+/-1.969 χ^2/NDF:29.1/22

+ sign -8.398+/-1.759 χ^2/NDF: 84.7/42

All: -5.463+/-1.263 χ^2/NDF: 140.5/88

- sign -2.331+/-1.816 χ^2/NDF: 50.0/45

diff_bpm4eX_rms vs Slug



Right In: 12711.593+/-3.319 χ^2/NDF: 1068687.2/17

Left Out: 8277.768+/-1.341 χ^2/NDF:455108.5/24

Right Out: 13771.473+/-3.329 χ^2/NDF: 1652563.6/22

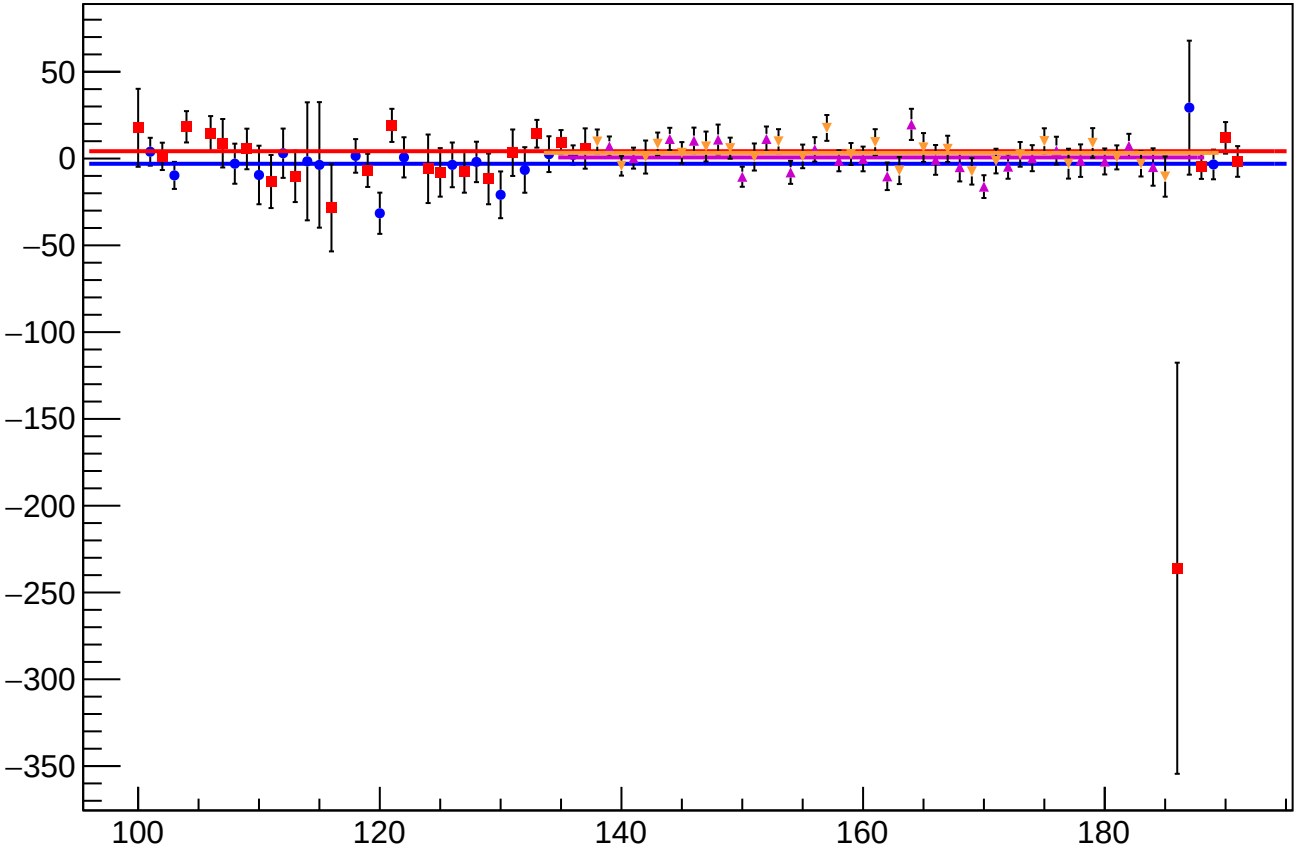
Left In: 8372.363+/-1.392 χ^2/NDF:392872.1/22

+ sign 8899.947+/-1.243 χ^2/NDF: 3057517.6/42

All: 9033.543+/-0.893 χ^2/NDF: 7365560.9/88

- sign 9176.081+/-1.284 χ^2/NDF: 4284185.5/45

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: 4.235+/-2.254 χ^2/NDF: 23.7/22

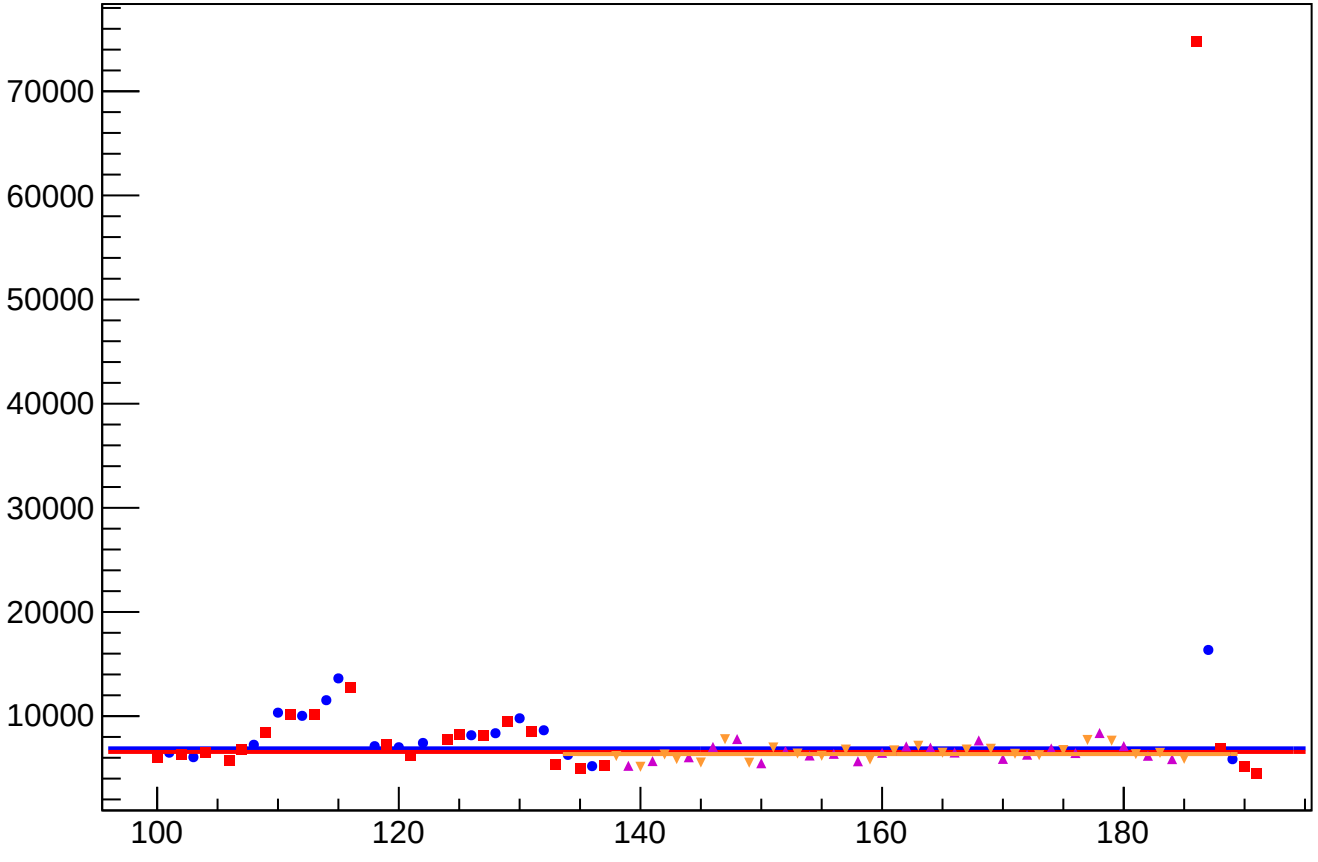
Left In: 0.645+/-1.499 χ^2/NDF:30.8/22

+ sign 1.696+/-1.263 χ^2/NDF: 33.8/42

All: 1.721+/-0.888 χ^2/NDF: 90.1/88

- sign 1.746+/-1.248 χ^2/NDF: 56.2/45

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: 6561.444+/-1.594 χ^2/NDF: 1637772.8/22

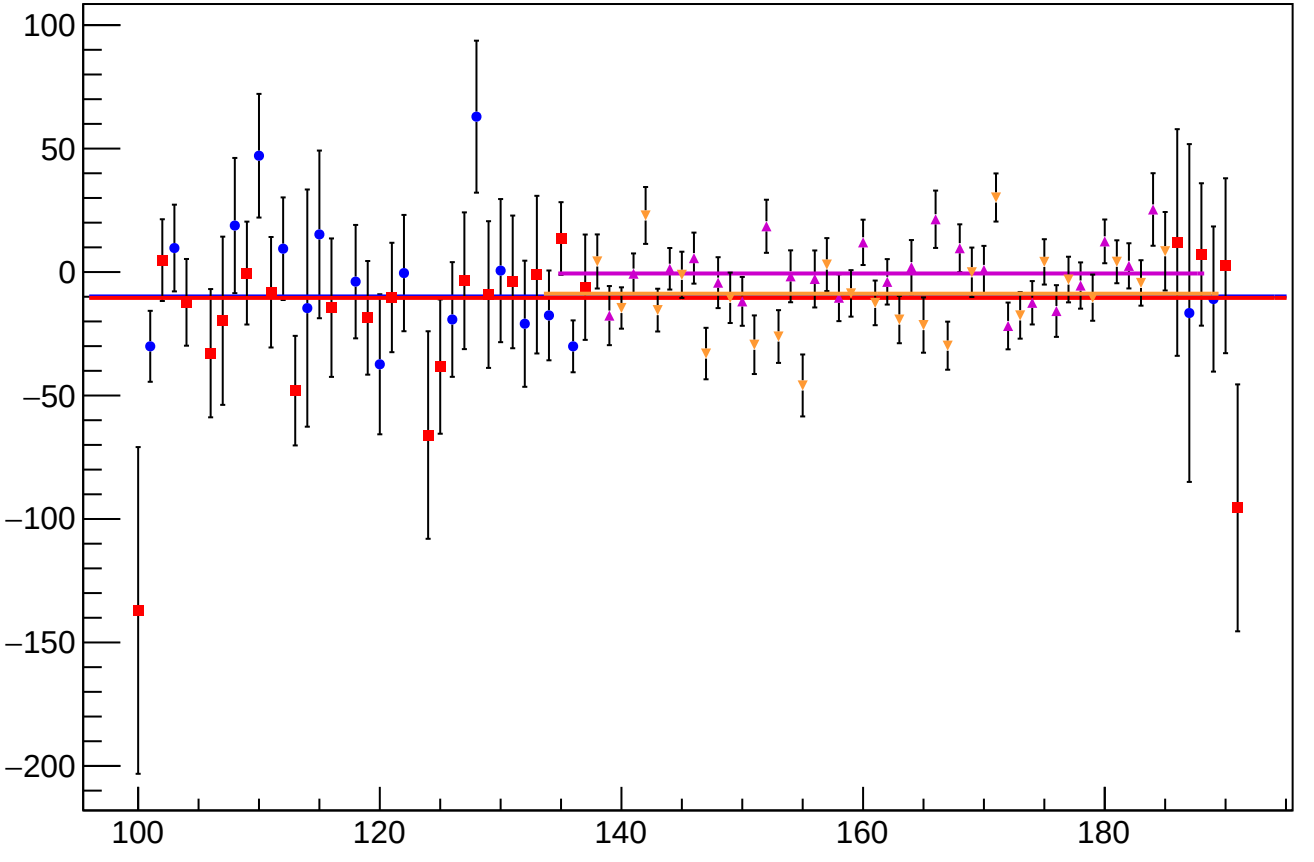
Left In: 6359.907+/-1.060 χ^2/NDF:473875.4/22

+ sign 6494.105+/-0.893 χ^2/NDF: 1331468.9/42

All: 6457.496+/-0.628 χ^2/NDF: 3457525.4/88

- sign 6421.721+/-0.883 χ^2/NDF: 2122733.0/45

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: -10.466+/-5.170 χ^2/NDF: 17.9/22

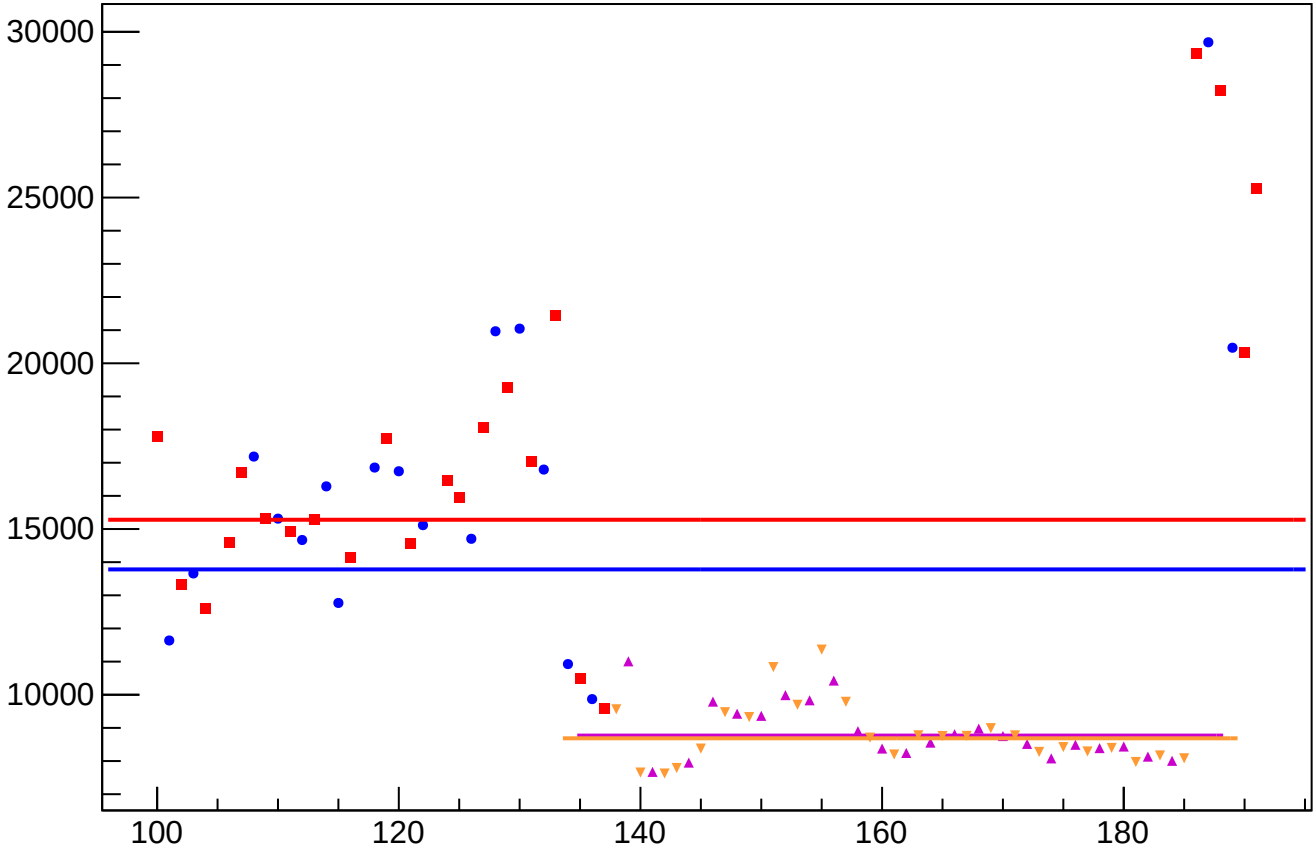
Left In: -0.579+/-2.059 χ^2/NDF:29.6/22

+ sign -8.914+/-1.851 χ^2/NDF: 84.8/42

All: -5.539+/-1.330 χ^2/NDF: 142.4/88

- sign -1.933+/-1.913 χ^2/NDF: 50.7/45

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: 15279.709+/-3.656 χ^2/NDF: 1318320.2/22

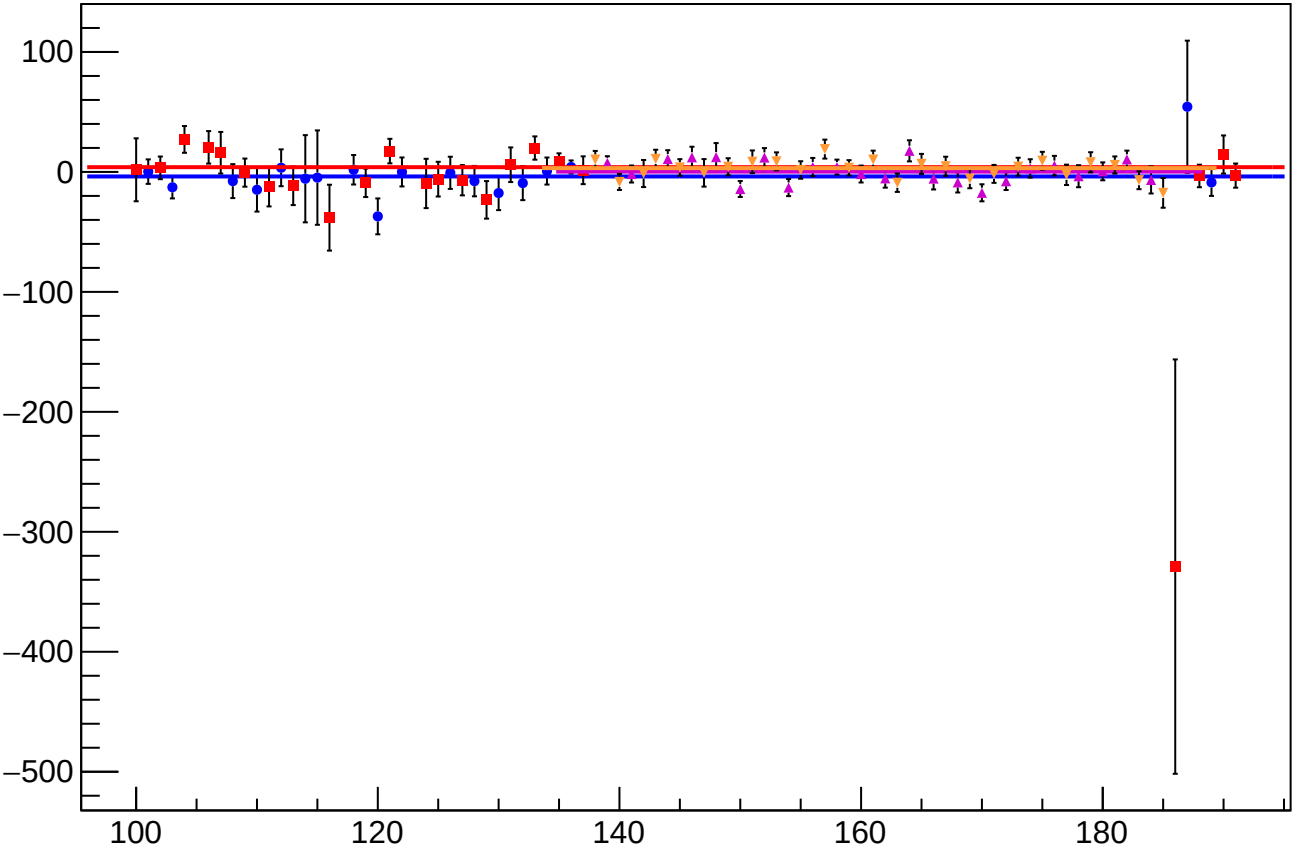
Left In: 8767.705+/-1.456 χ^2/NDF:295552.8/22

+ sign 9360.916+/-1.309 χ^2/NDF: 3044693.9/42

All: 9505.194+/-0.941 χ^2/NDF: 7422573.5/88

- sign 9659.340+/-1.353 χ^2/NDF: 4352738.6/45

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: 3.968+/-2.601 χ^2/NDF: 26.8/22

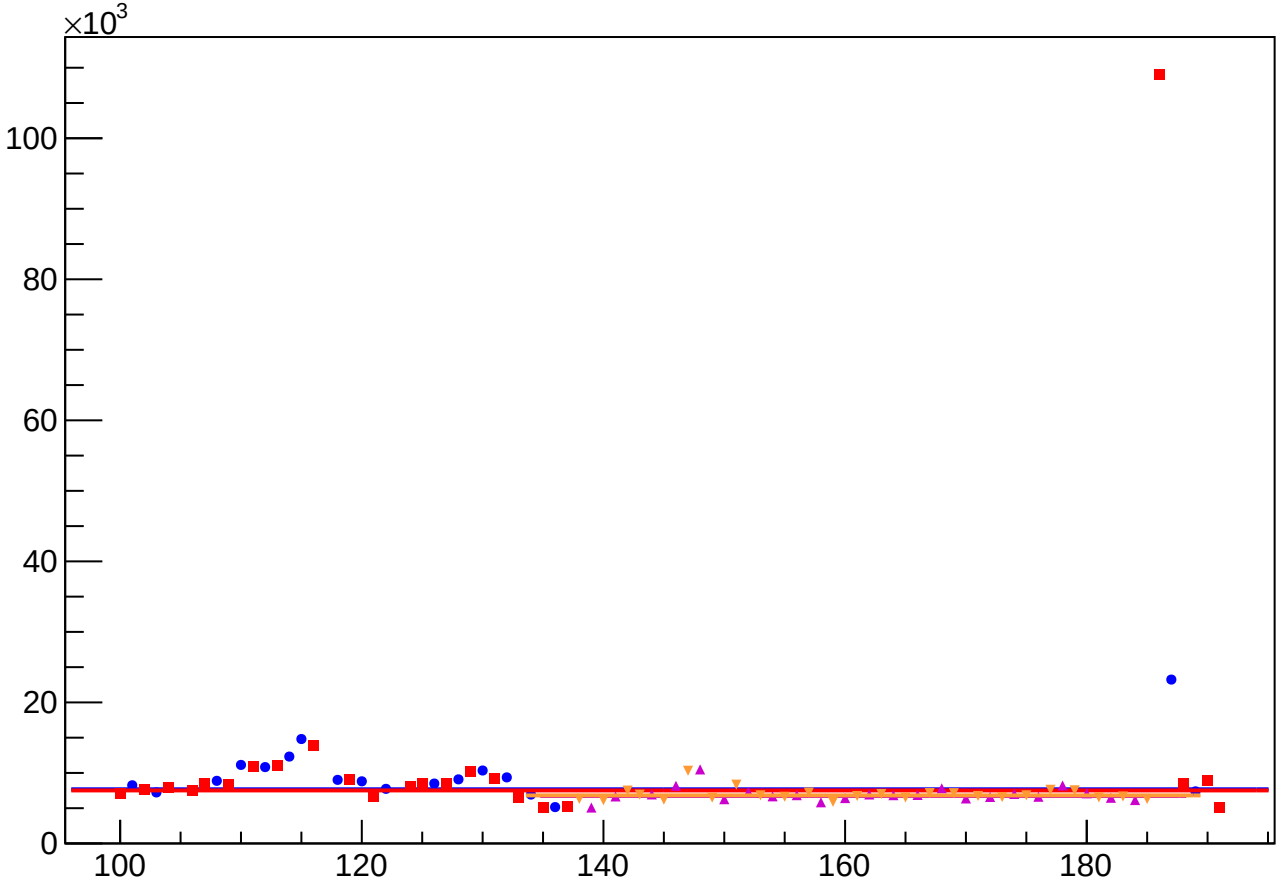
Left In: 0.269+/-1.590 χ^2/NDF:34.2/22

\+ sign 1.557+/-1.369 χ^2/NDF: 38.1/42

All: 1.415+/-0.963 χ^2/NDF: 100.5/88

\- sign 1.276+/-1.357 χ^2/NDF: 62.4/45

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: 7522.087+/-1.839 χ^2/NDF: 1653390.4/22

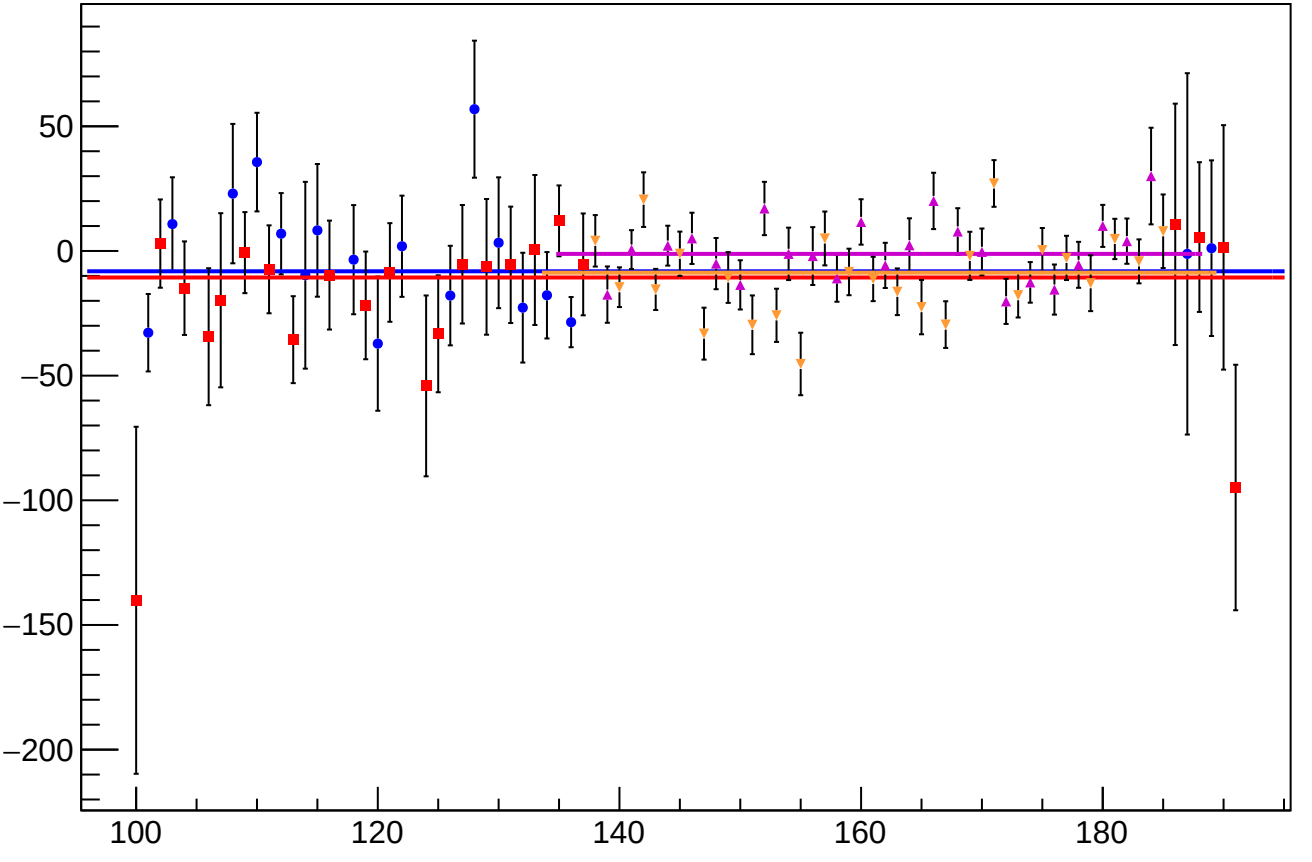
Left In: 6727.864+/-1.124 χ^2/NDF:610037.3/22

+ sign 7014.276+/-0.968 χ^2/NDF: 1578560.4/42

All: 6978.831+/-0.681 χ^2/NDF: 3980419.3/88

- sign 6944.002+/-0.959 χ^2/NDF: 2399199.1/45

diff_bpm4ecX_mean vs Slug



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: -10.637+/-4.777 χ^2/NDF: 16.4/22

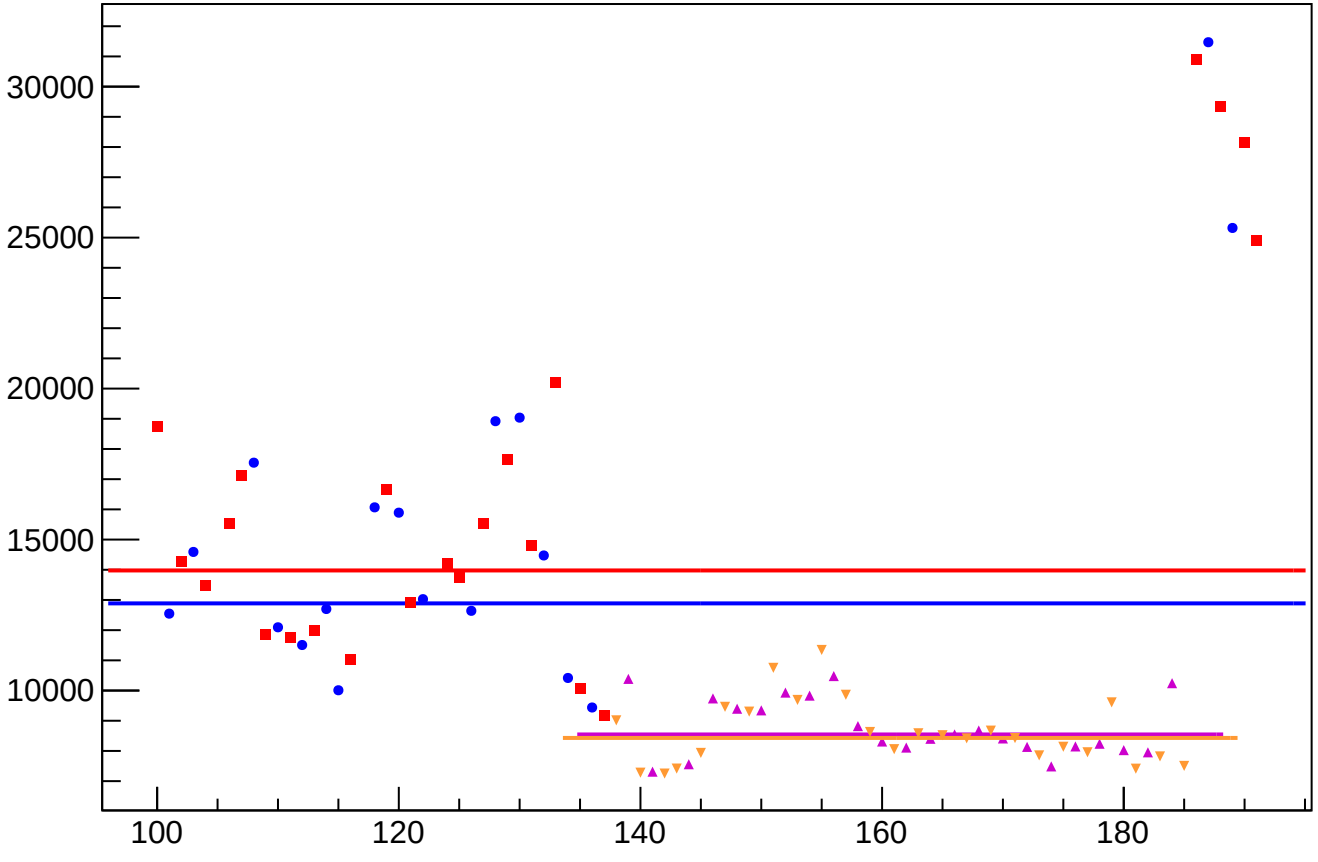
Left In: -1.174+/-2.012 χ^2/NDF:28.6/22

+ sign -8.615+/-1.793 χ^2/NDF: 84.8/42

All: -5.708+/-1.289 χ^2/NDF: 138.4/88

- sign -2.600+/-1.855 χ^2/NDF: 48.3/45

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: 13977.452+/-3.378 χ^2/NDF: 1626800.4/22

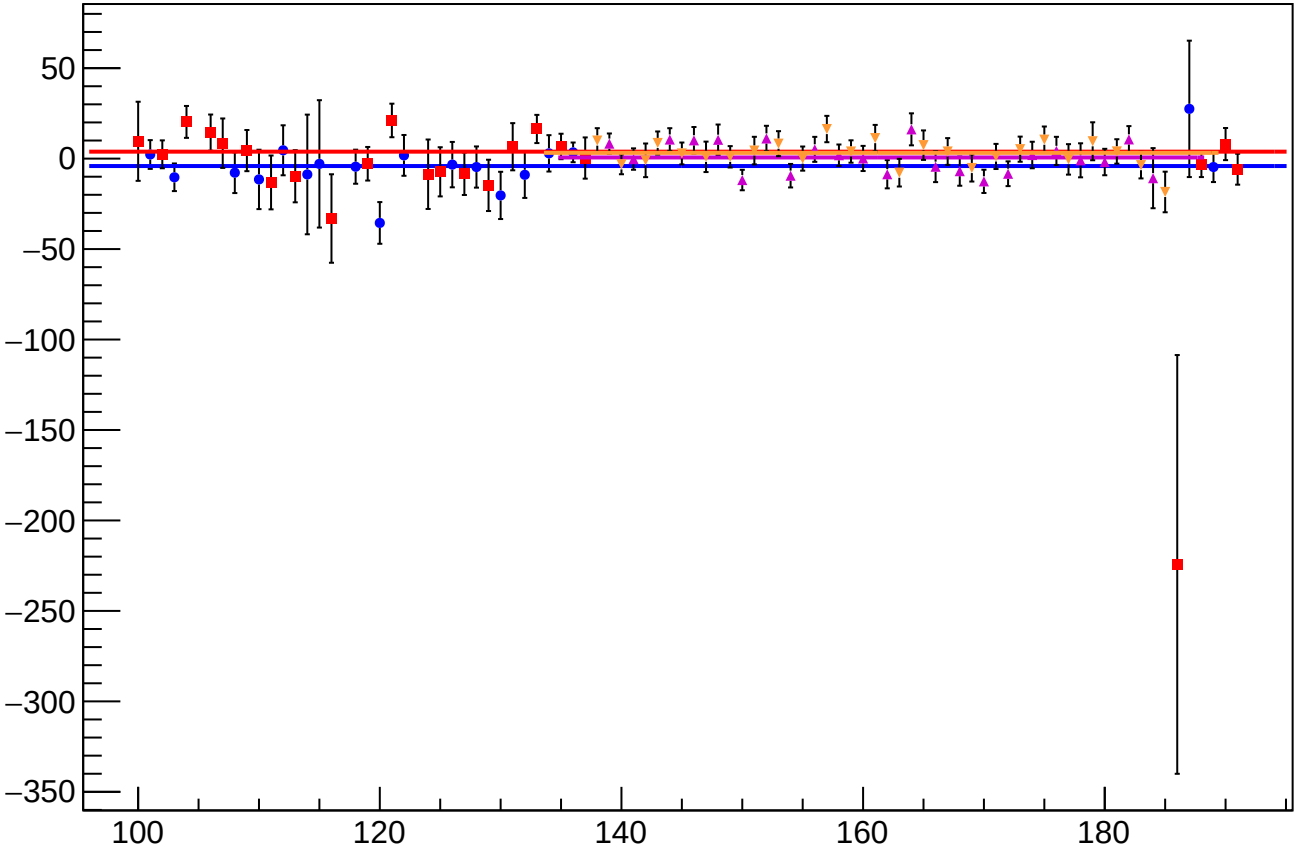
Left In: 8545.534+/-1.423 χ^2/NDF:389747.0/22

+ sign 9063.473+/-1.268 χ^2/NDF: 3043253.2/42

All: 9208.867+/-0.912 χ^2/NDF: 7283569.4/88

- sign 9364.335+/-1.311 χ^2/NDF: 4213115.6/45

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: 3.847+/-2.205 χ^2/NDF: 26.4/22

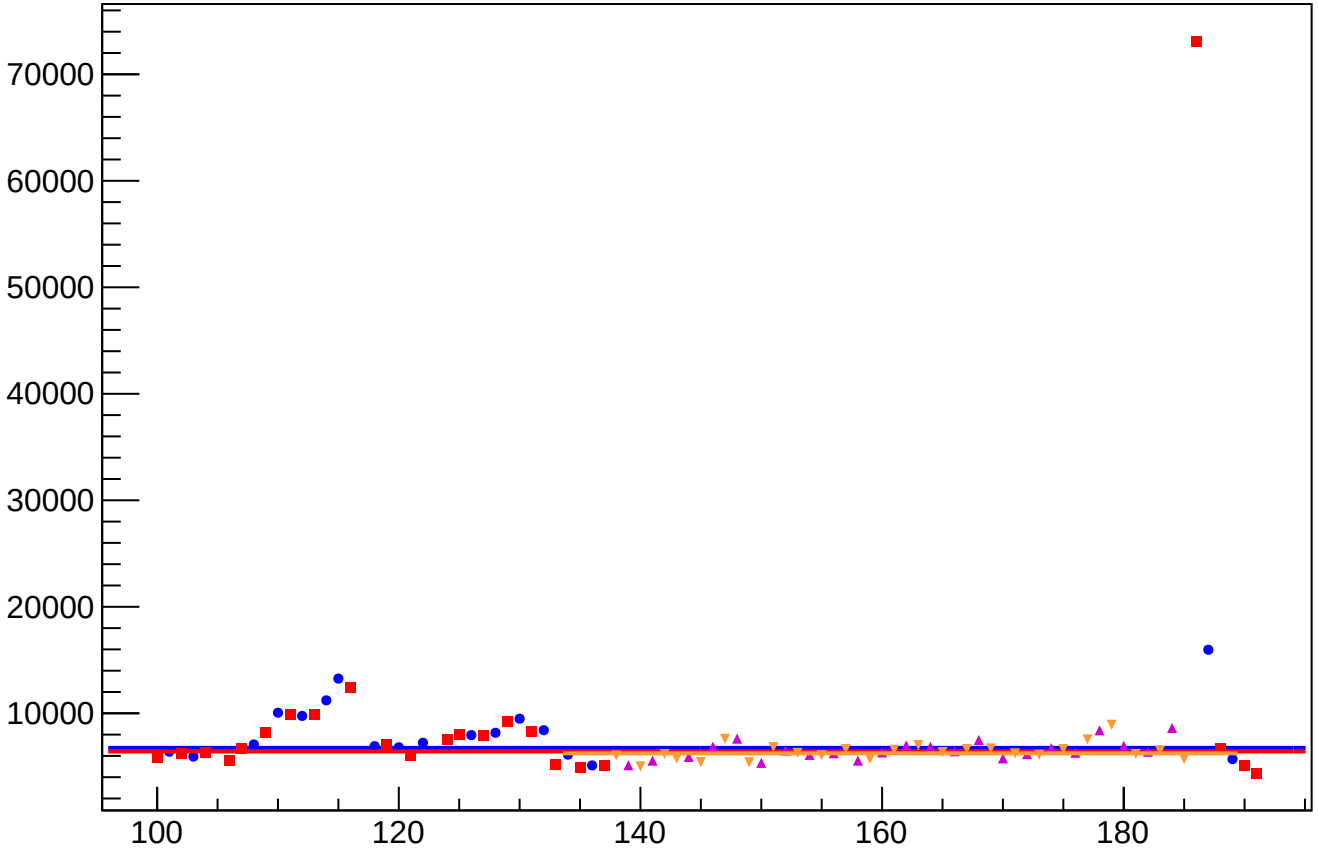
Left In: 0.633+/-1.482 χ^2/NDF:31.8/22

+ sign 1.352+/-1.241 χ^2/NDF: 39.7/42

All: 1.494+/-0.874 χ^2/NDF: 99.4/88

- sign 1.633+/-1.230 χ^2/NDF: 59.7/45

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: 6417.147+/-1.559 χ^2/NDF: 1611625.8/22

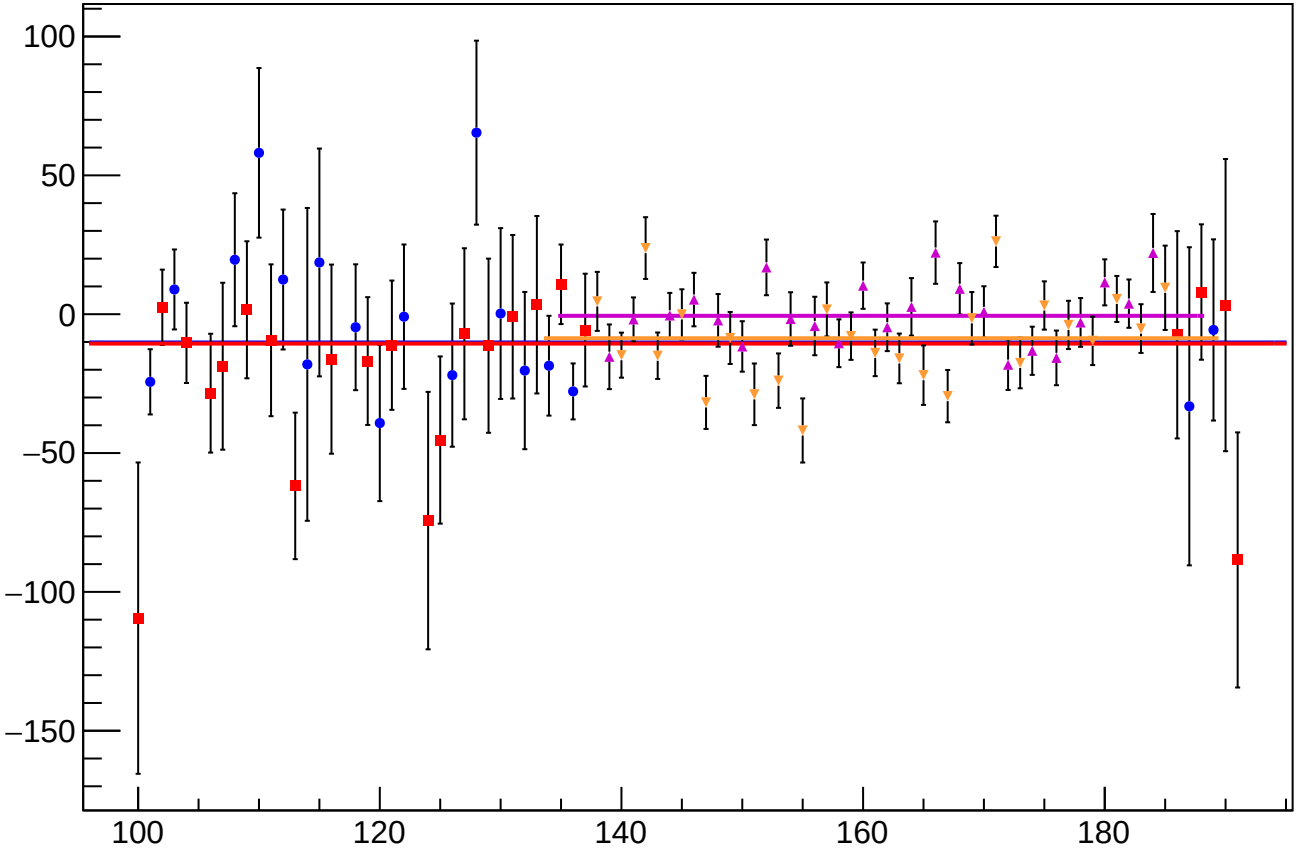
Left In: 6268.263+/-1.048 χ^2/NDF:524326.6/22

+ sign 6367.801+/-0.878 χ^2/NDF: 1399893.0/42

All: 6340.937+/-0.618 χ^2/NDF: 3543981.5/88

- sign 6314.570+/-0.870 χ^2/NDF: 2142232.8/45

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

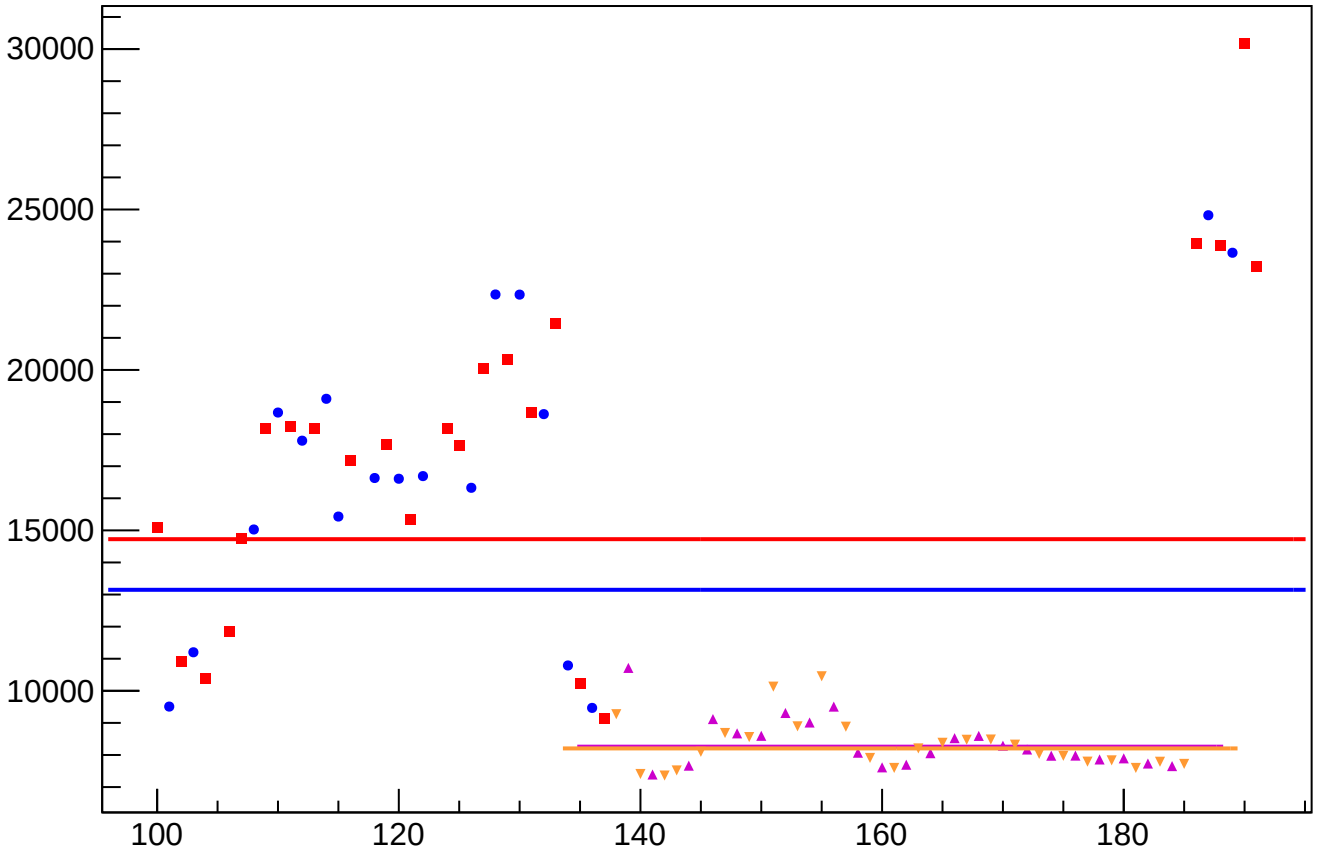
Right Out: -10.580+/-5.054 χ^2/NDF: 18.3/22

Left In: -0.583+/-1.939 χ^2/NDF:28.5/22

+ sign -8.843+/-1.753 χ^2/NDF: 84.6/42

All: -5.466+/-1.259 χ^2/NDF: 142.4/88

- sign -1.865+/-1.810 χ^2/NDF: 50.2/45



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: 14725.783+/-3.574 χ^2/NDF: 1796345.5/22

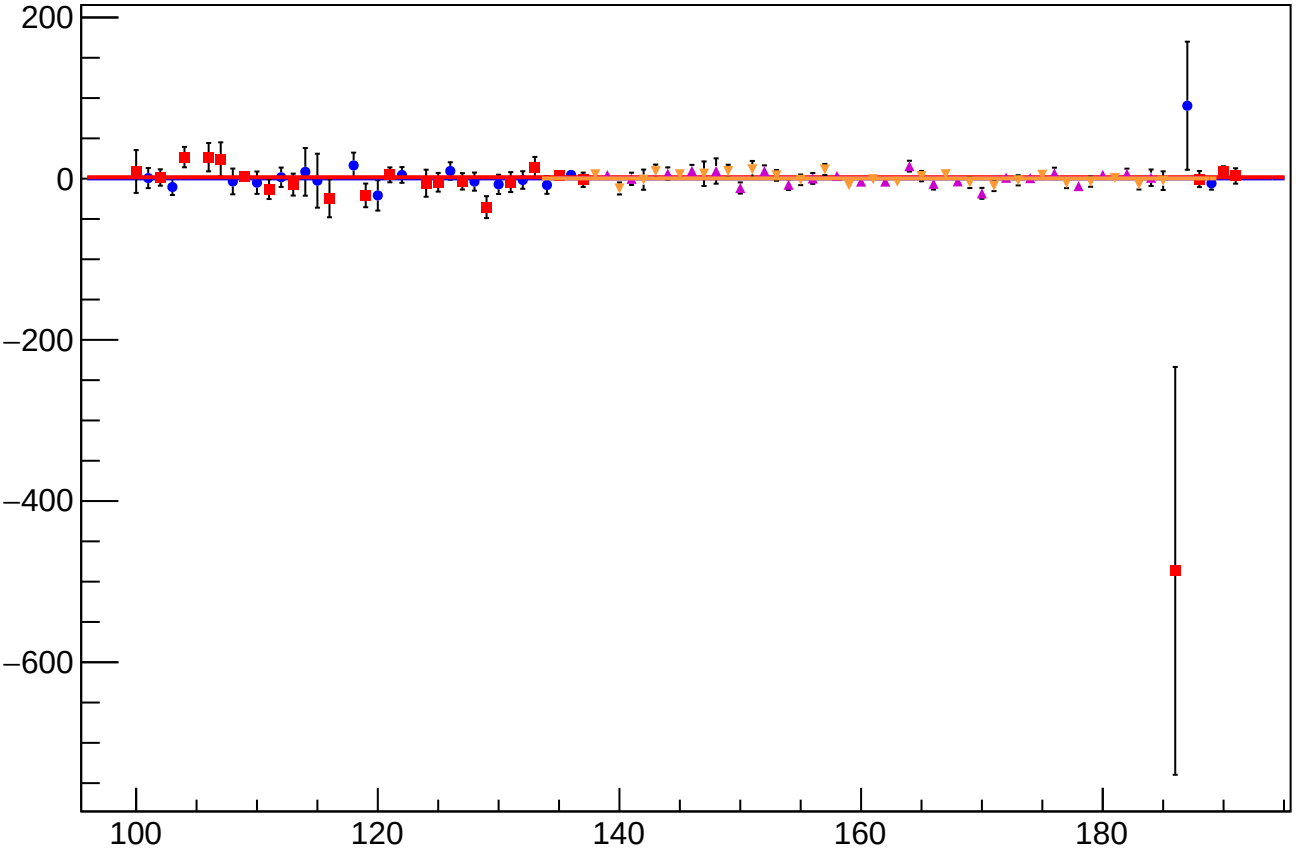
Left In: 8259.162+/-1.371 χ^2/NDF:257333.8/22

+ sign 8826.933+/-1.240 χ^2/NDF: 3570989.6/42

All: 8953.649+/-0.890 χ^2/NDF: 8500558.2/88

- sign 9088.758+/-1.280 χ^2/NDF: 4907977.3/45

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: 1.781+/-2.084 χ^2/NDF: 27.3/22

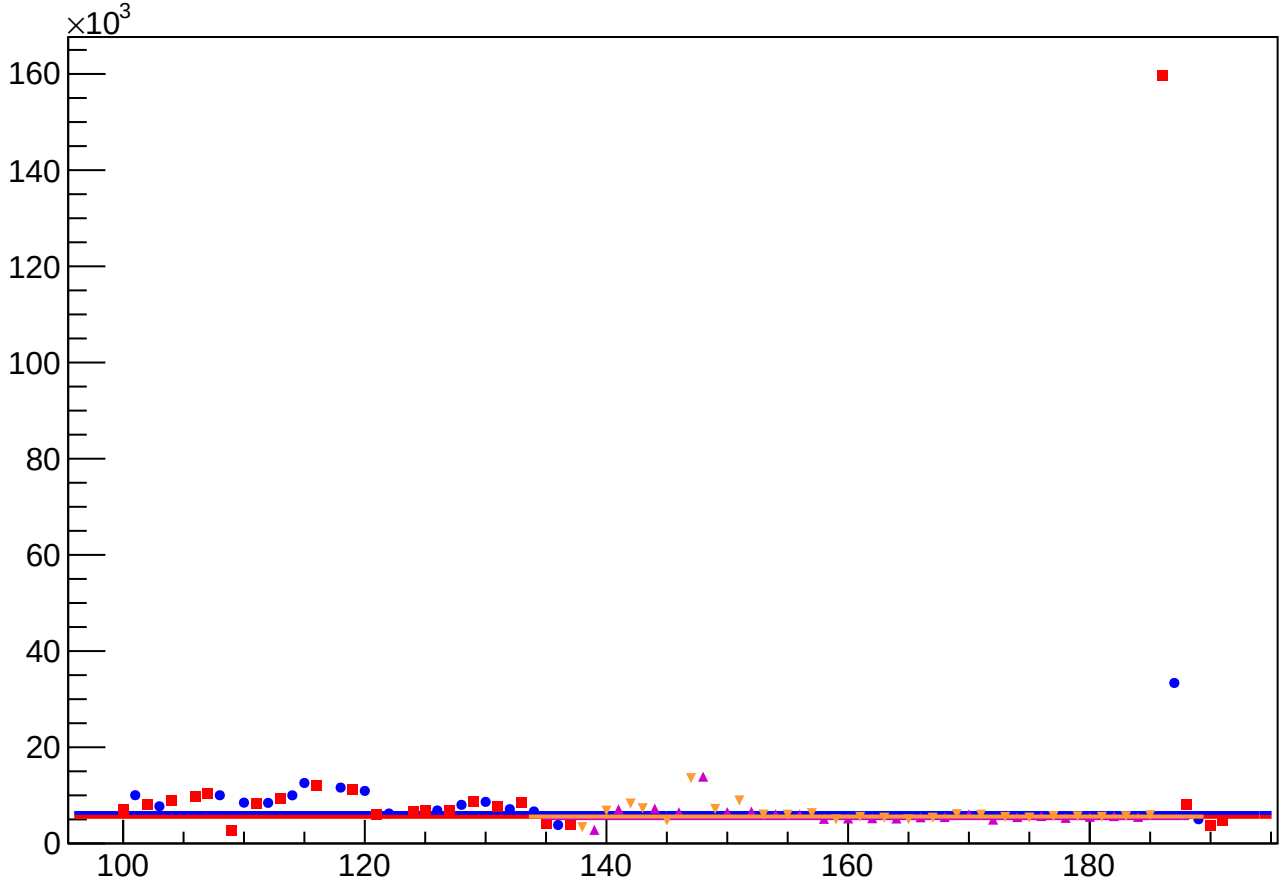
Left In: 0.709+/-1.291 χ^2/NDF:29.9/22

+ sign 0.348+/-1.162 χ^2/NDF: 30.3/42

All: 0.696+/-0.798 χ^2/NDF: 87.8/88

- sign 1.007+/-1.098 χ^2/NDF: 57.4/45

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: 5538.782+/-1.473 χ^2/NDF: 3611029.8/22

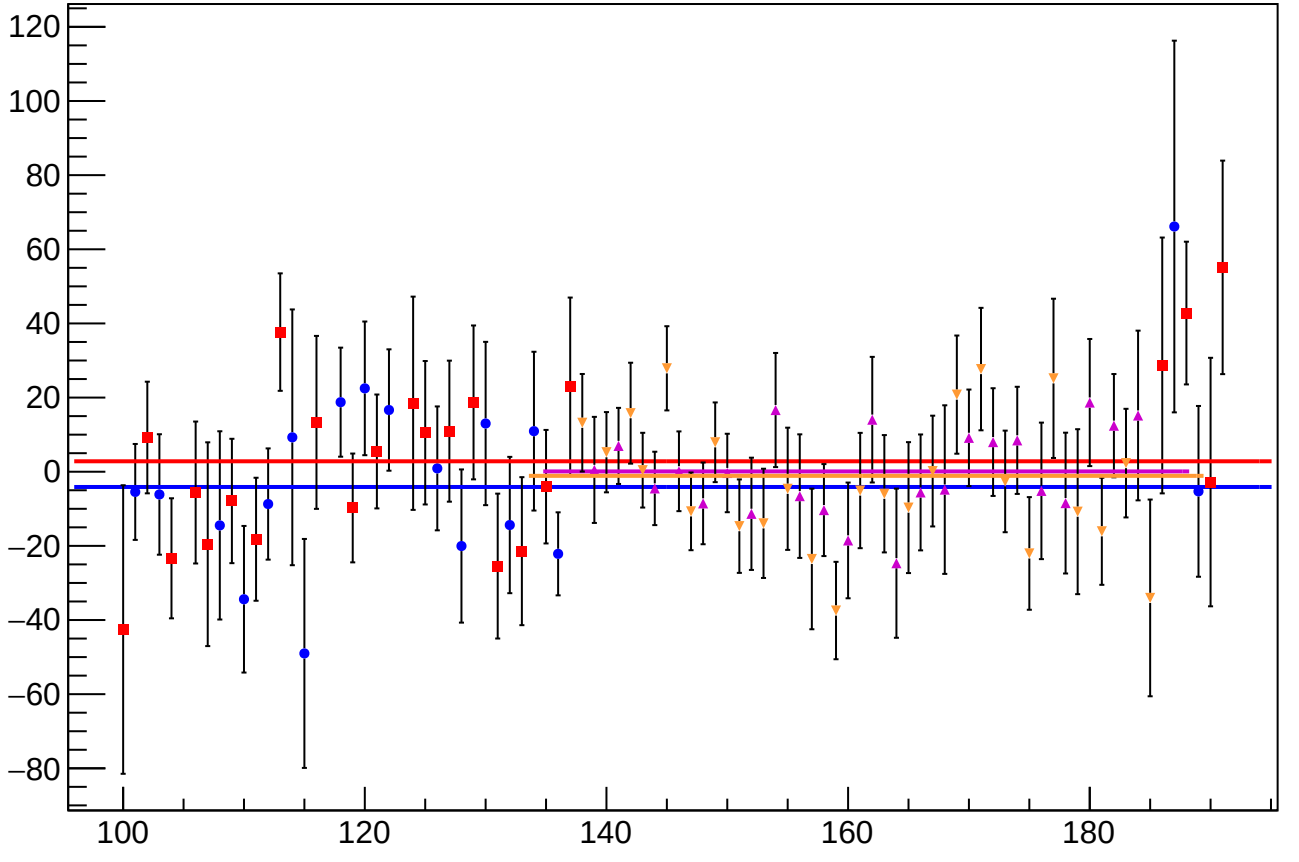
Left In: 5262.754+/-0.913 χ^2/NDF:2425604.2/22

+ sign 5760.564+/-0.822 χ^2/NDF: 3962771.2/42

All: 5537.943+/-0.564 χ^2/NDF: 10163661.2/8

- sign 5339.333+/-0.776 χ^2/NDF: 6061992.0/45

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

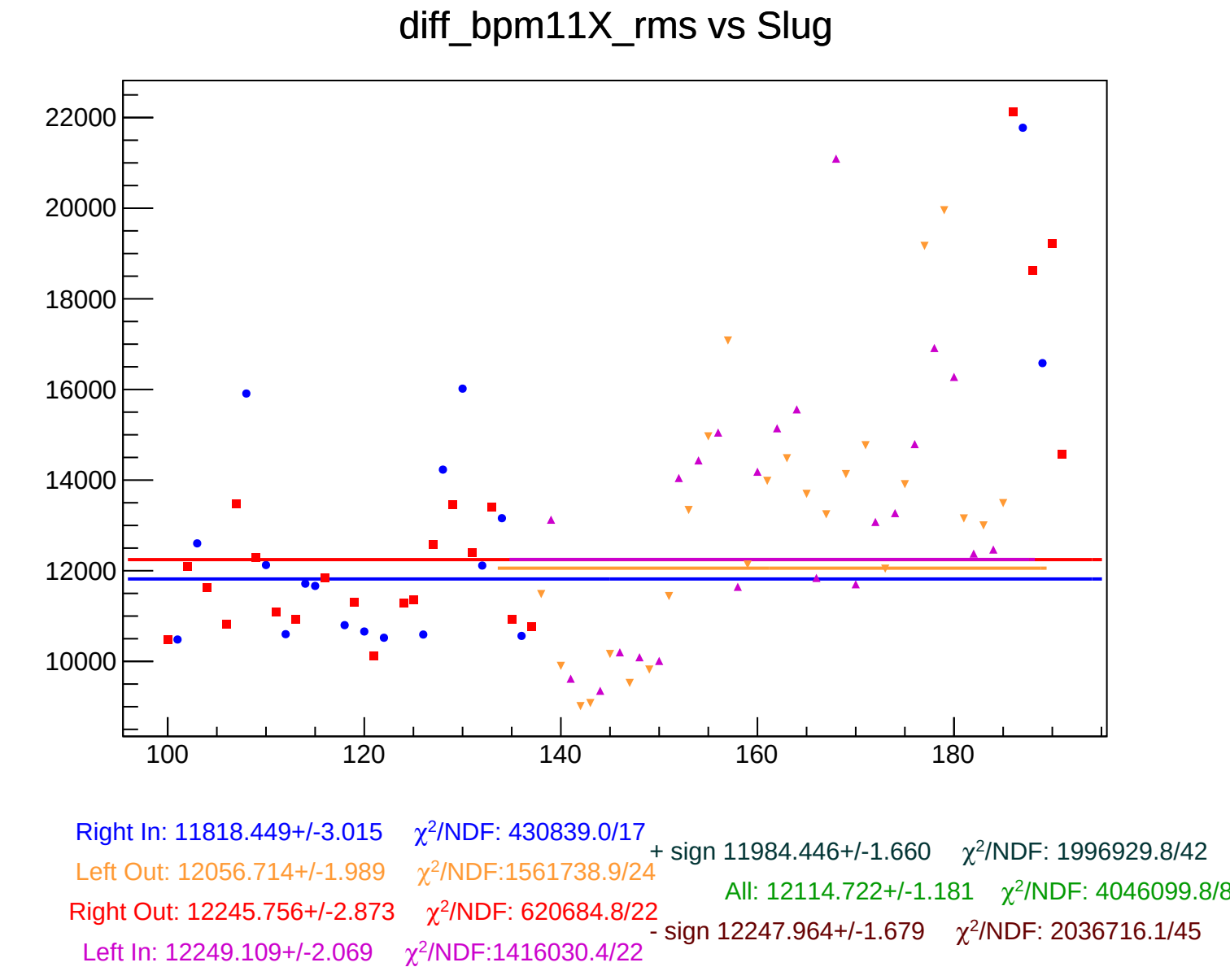
Right Out: 2.817+/-4.063 χ^2/NDF: 26.7/22

Left In: 0.084+/-2.926 χ^2/NDF:11.5/22

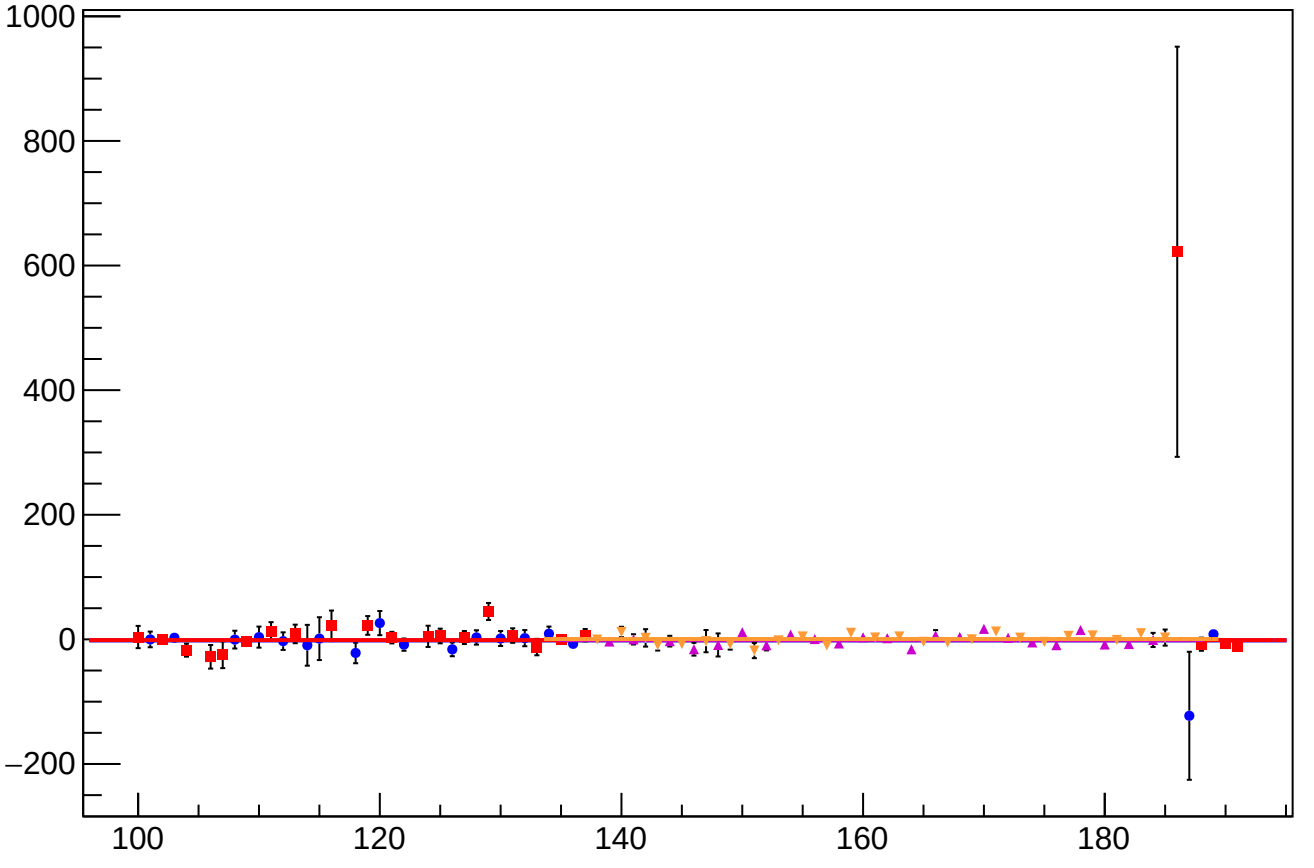
+ sign -2.022+/-2.348 χ^2/NDF: 51.9/42

All: -0.519+/-1.670 χ^2/NDF: 91.2/88

- sign 1.018+/-2.375 χ^2/NDF: 38.5/45


diff_bpm11X_rms vs Slug
22000
20000
18000
16000
14000
12000
10000
100
120
140
160
180
Right In: 11818.449+/-3.015 χ²/NDF: 430839.0/17
Left Out: 12056.714+/-1.989 χ²/NDF:1561738.9/24
Right Out: 12245.756+/-2.873 χ²/NDF: 620684.8/22
Left In: 12249.109+/-2.069 χ²/NDF:1416030.4/22
+ sign 11984.446+/-1.660 χ²/NDF: 1996929.8/42
All: 12114.722+/-1.181 χ²/NDF: 4046099.8/8
- sign 12247.964+/-1.679 χ²/NDF: 2036716.1/45

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: -1.178+/-2.082 χ^2/NDF: 31.1/22

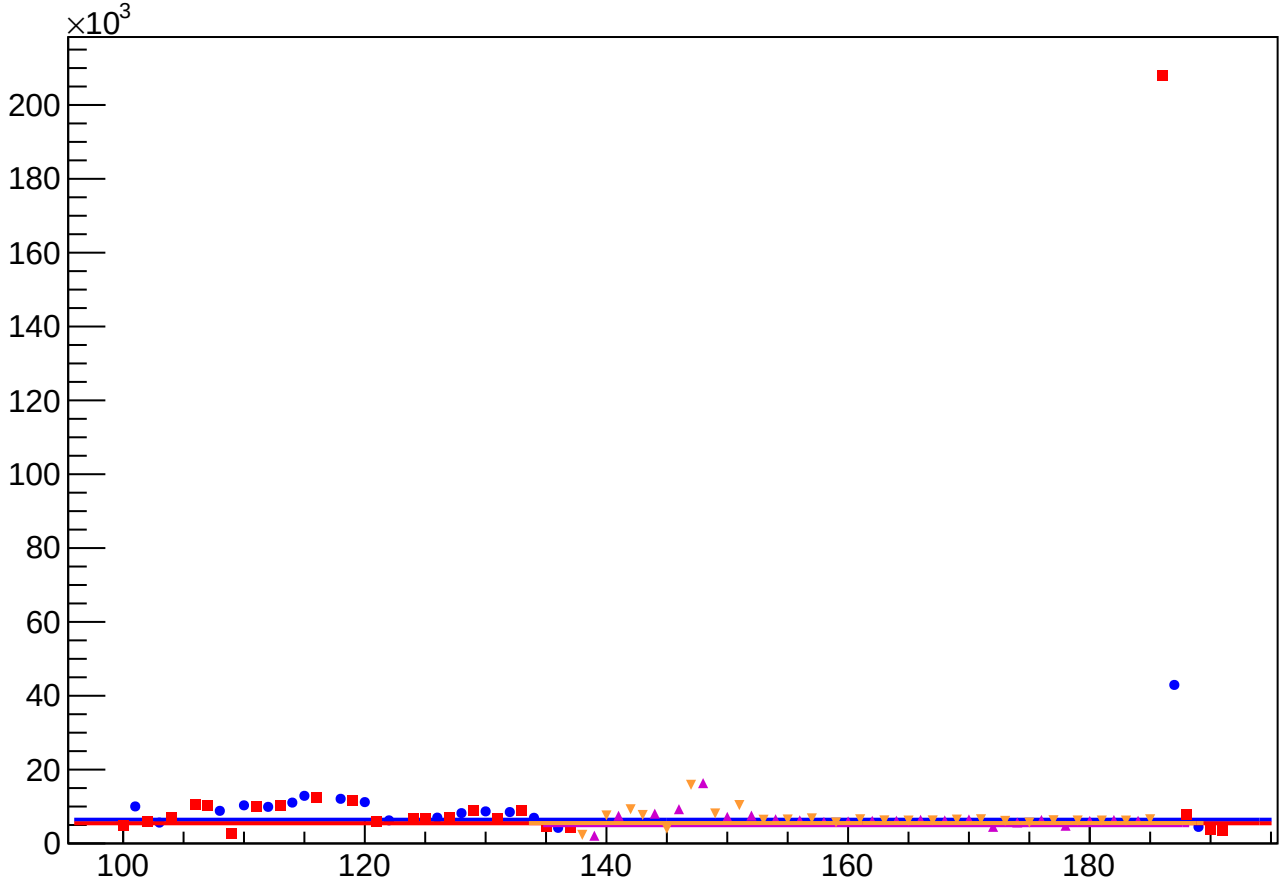
Left In: -0.946+/-1.294 χ^2/NDF:32.2/22

+ sign 0.002+/-1.199 χ^2/NDF: 34.3/42

All: -0.548+/-0.810 χ^2/NDF: 97.9/88

- sign -1.011+/-1.099 χ^2/NDF: 63.3/45

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

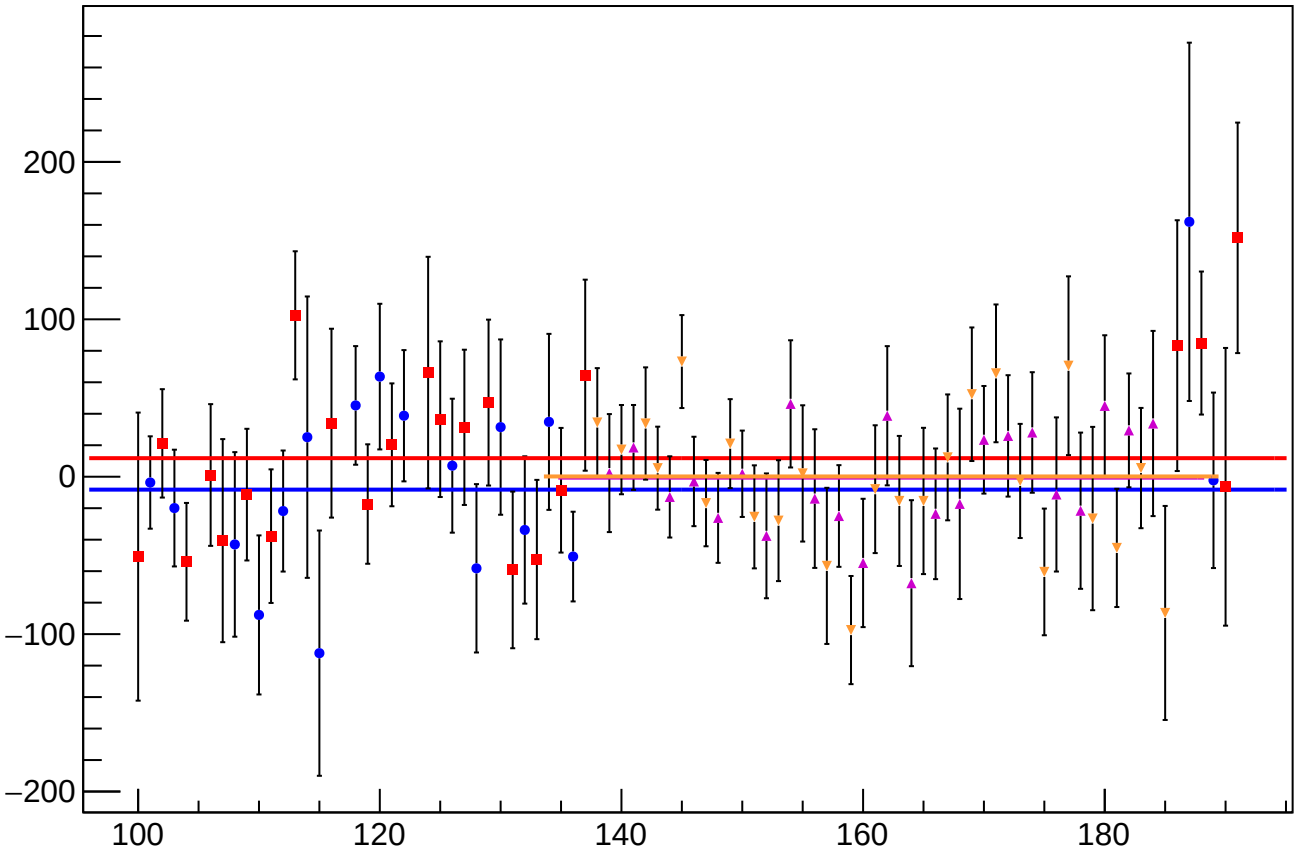
Right Out: 5459.640+/-1.472 χ^2/NDF: 3421994.1/22

Left In: 4941.993+/-0.915 χ^2/NDF:5936108.3/22

+ sign 5738.386+/-0.848 χ^2/NDF: 6569415.1/42

All: 5384.021+/-0.573 χ^2/NDF: 16338066.7/8

- sign 5086.300+/-0.777 χ^2/NDF: 9447284.4/45



Right In: -8.203+/-10.591 χ^2/NDF: 17.6/17

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

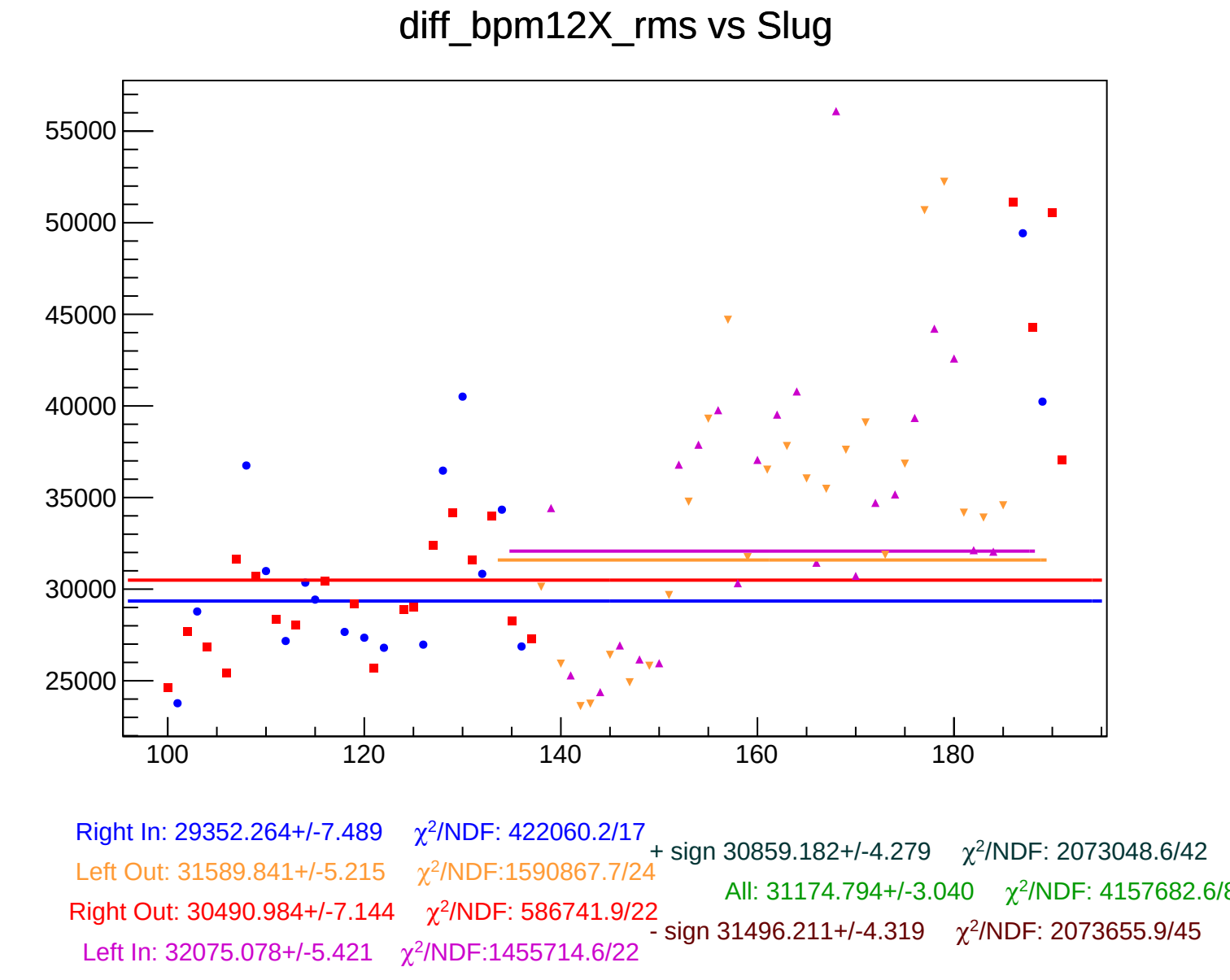
Right Out: 11.786+/-10.103 χ^2/NDF: 24.9/22

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

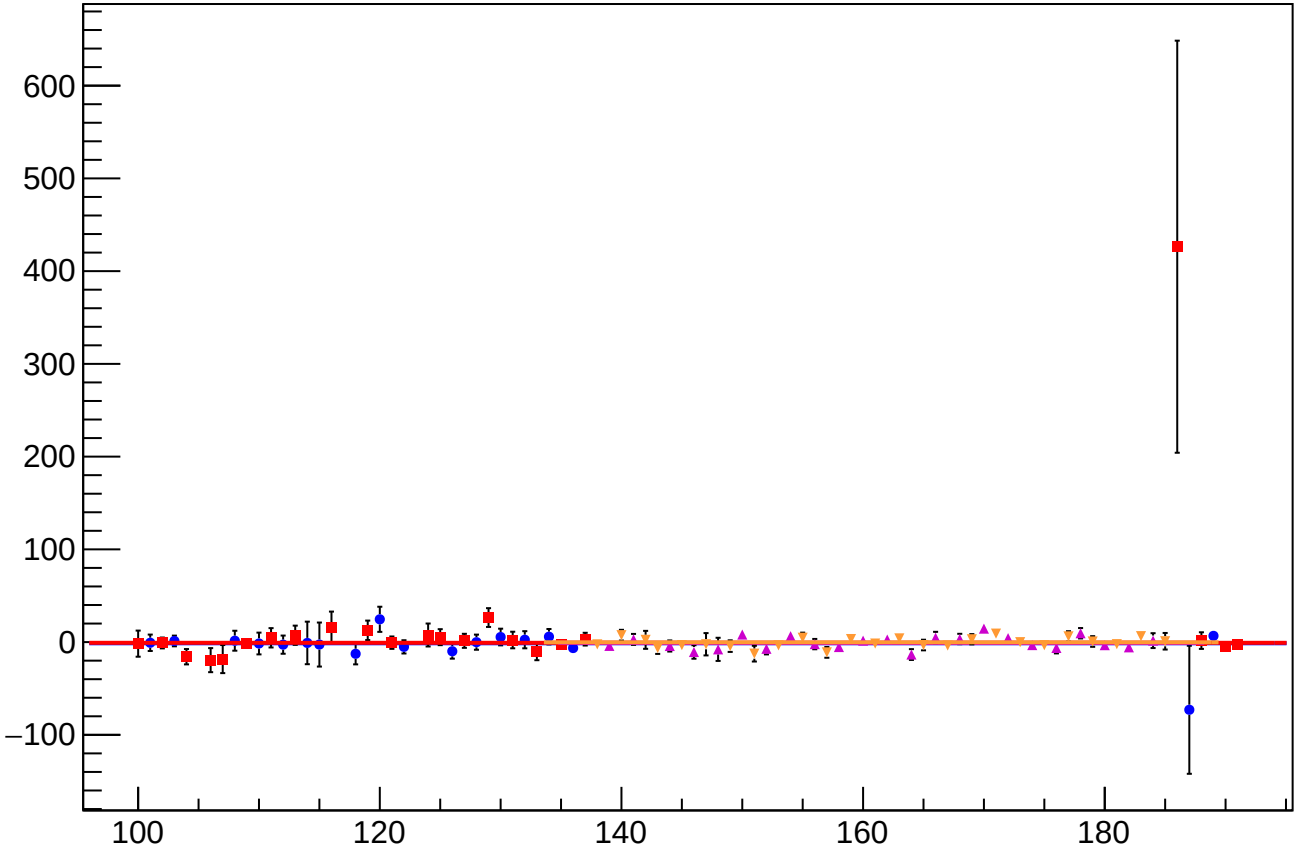
+ sign -2.566+/-6.052 χ^2/NDF: 49.1/42

All: 0.655+/-4.299 χ^2/NDF: 88.4/88

- sign 3.935+/-6.108 χ^2/NDF: 38.7/45


diff_bpm12X_rms vs Slug
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
Right In: 29352.264+/-7.489 χ²/NDF: 422060.2/17
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 30490.984+/-7.144 χ²/NDF: 586741.9/22
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
+ sign 30859.182+/-4.279 χ²/NDF: 2073048.6/42
All: 31174.794+/-3.040 χ²/NDF: 4157682.6/8
- sign 31496.211+/-4.319 χ²/NDF: 2073655.9/45

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

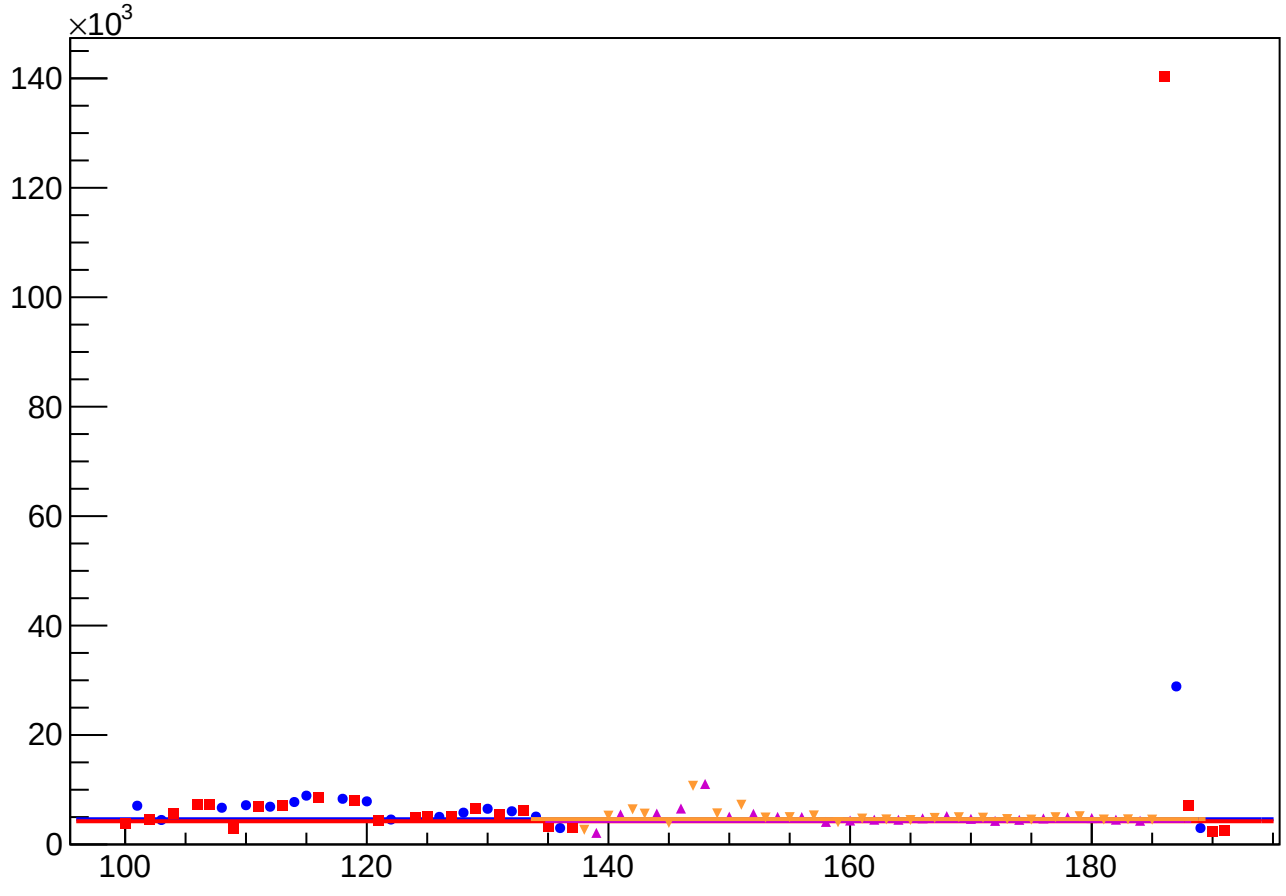
Right Out: -0.763+/-1.572 χ^2/NDF: 24.7/22

Left In: -0.788+/-1.061 χ^2/NDF:33.8/22

+ sign -0.515+/-0.932 χ^2/NDF: 34.3/42

All: -0.655+/-0.640 χ^2/NDF: 92.9/88

- sign -0.781+/-0.879 χ^2/NDF: 58.5/45



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: 4238.915+/-1.112 χ^2/NDF: 3058430.4/22

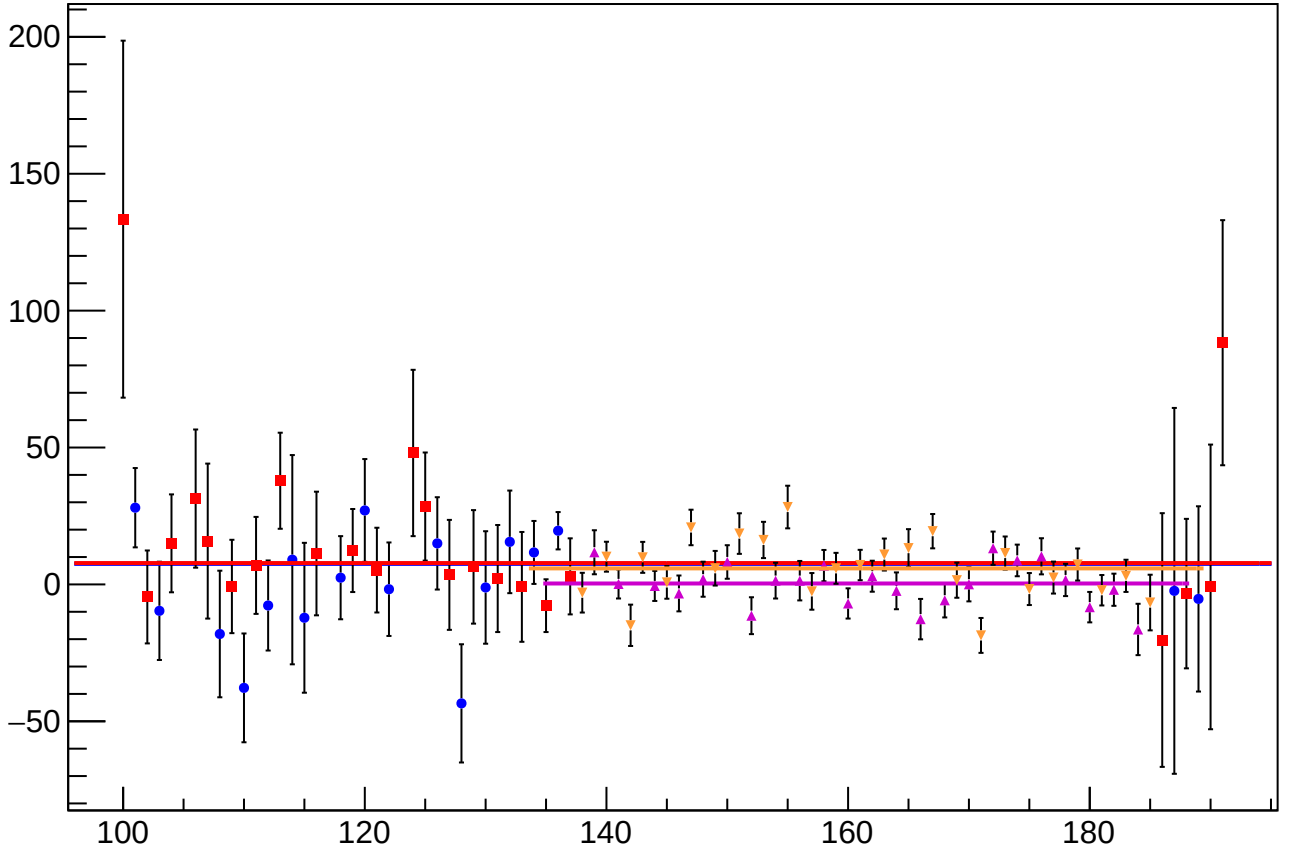
Left In: 4295.074+/-0.750 χ^2/NDF:3095610.0/22

+ sign 4629.083+/-0.659 χ^2/NDF: 3805630.3/42

All: 4443.011+/-0.452 χ^2/NDF: 10111955.0/8

- sign 4277.509+/-0.622 χ^2/NDF: 6155794.2/45

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: 7.799+/-4.010 χ^2/NDF: 18.4/22

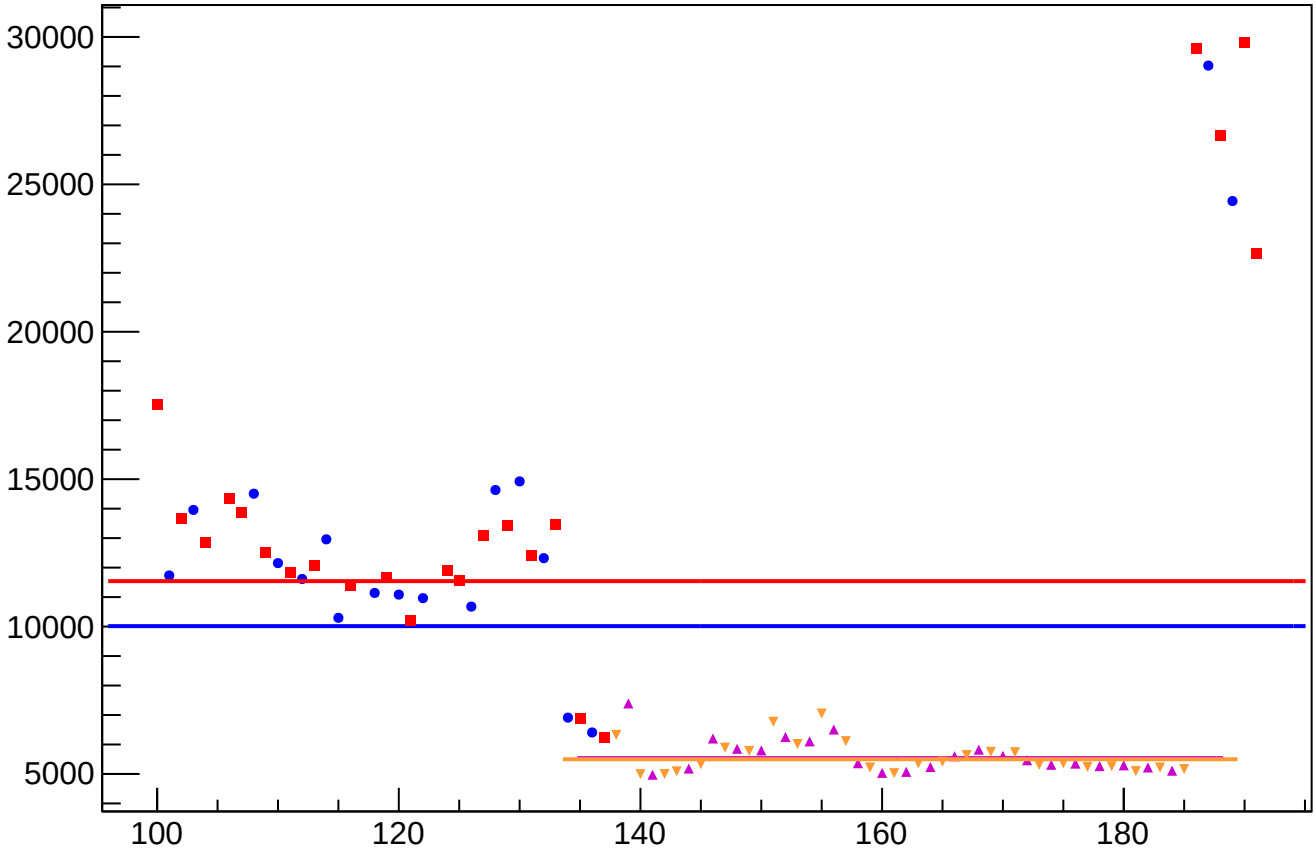
Left In: 0.337+/-1.301 χ^2/NDF:29.4/22

+ sign 6.013+/-1.193 χ^2/NDF: 82.0/42

All: 3.620+/-0.859 χ^2/NDF: 141.2/88

- sign 1.047+/-1.237 χ^2/NDF: 50.9/45

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: 11541.437+/-2.836 χ^2/NDF: 2216721.7/22

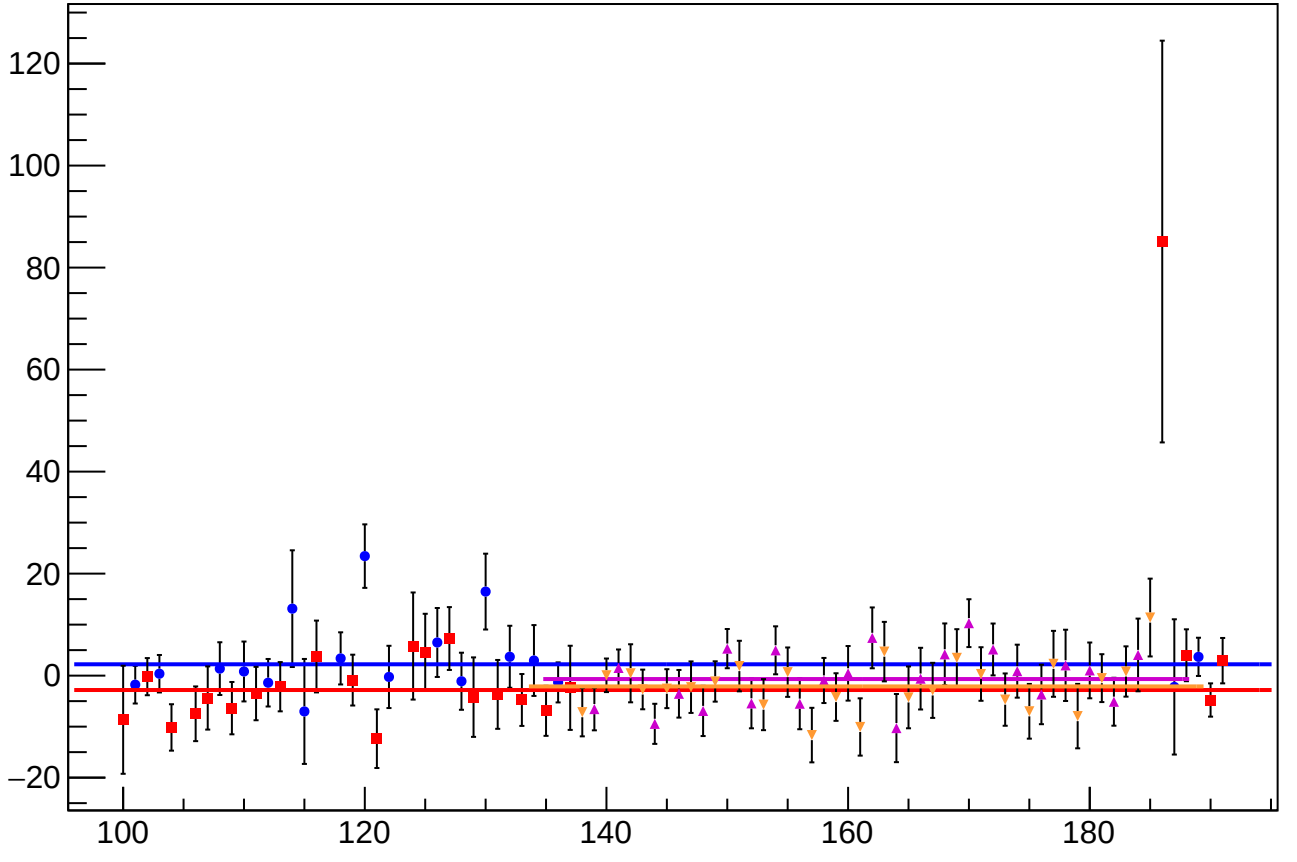
Left In: 5537.777+/-0.920 χ^2/NDF:304062.1/22

+ sign 5947.046+/-0.844 χ^2/NDF: 4602823.9/42

All: 6025.272+/-0.607 χ^2/NDF: 11197582.9/8

- sign 6109.357+/-0.875 χ^2/NDF: 6576929.5/45

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: -2.821+/-1.138 χ^2/NDF: 22.6/22

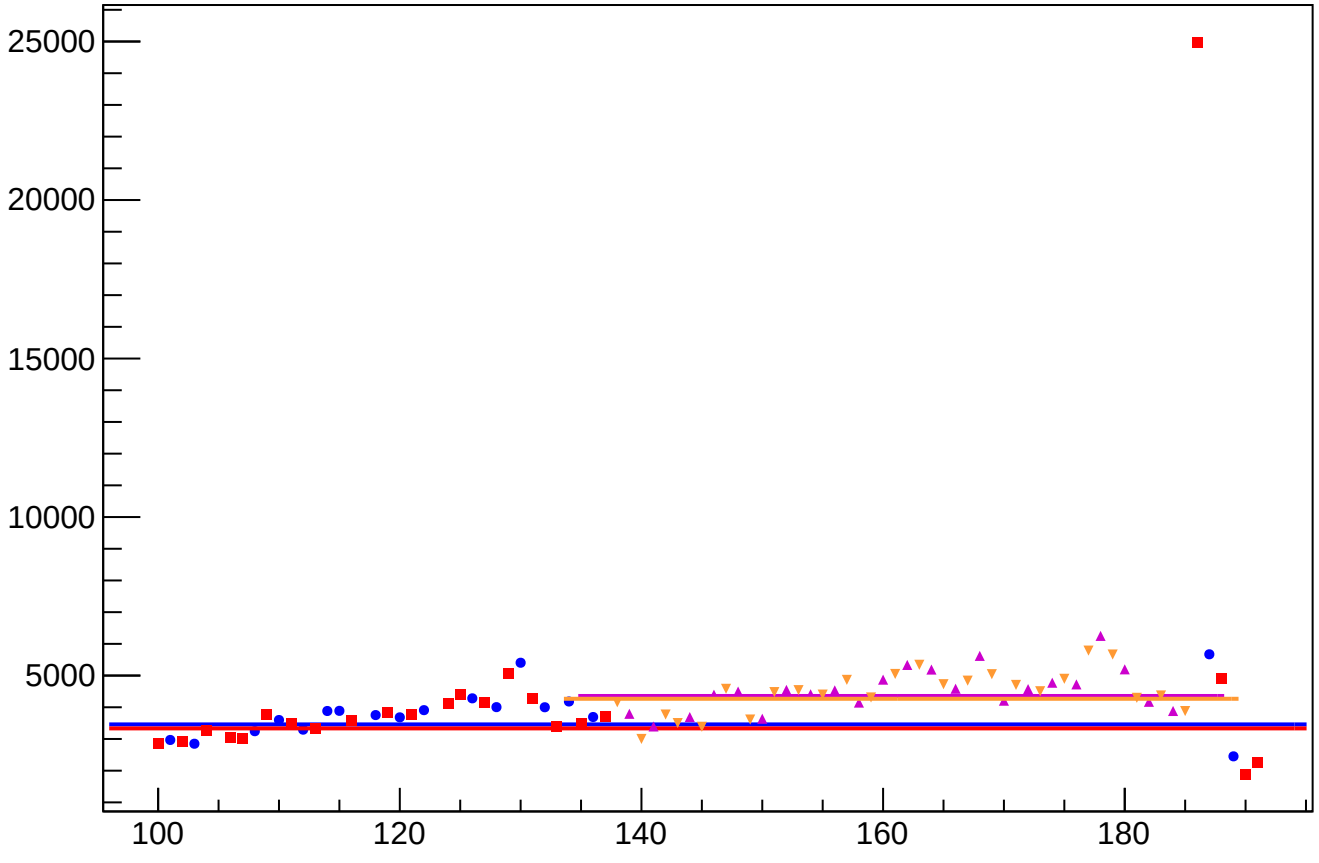
Left In: -0.670+/-1.031 χ^2/NDF:28.4/22

+ sign -0.466+/-0.777 χ^2/NDF: 46.1/42

All: -1.062+/-0.545 χ^2/NDF: 100.1/88

- sign -1.639+/-0.764 χ^2/NDF: 52.9/45

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: 3333.640+/-0.805 χ^2/NDF: 1642204.2/22

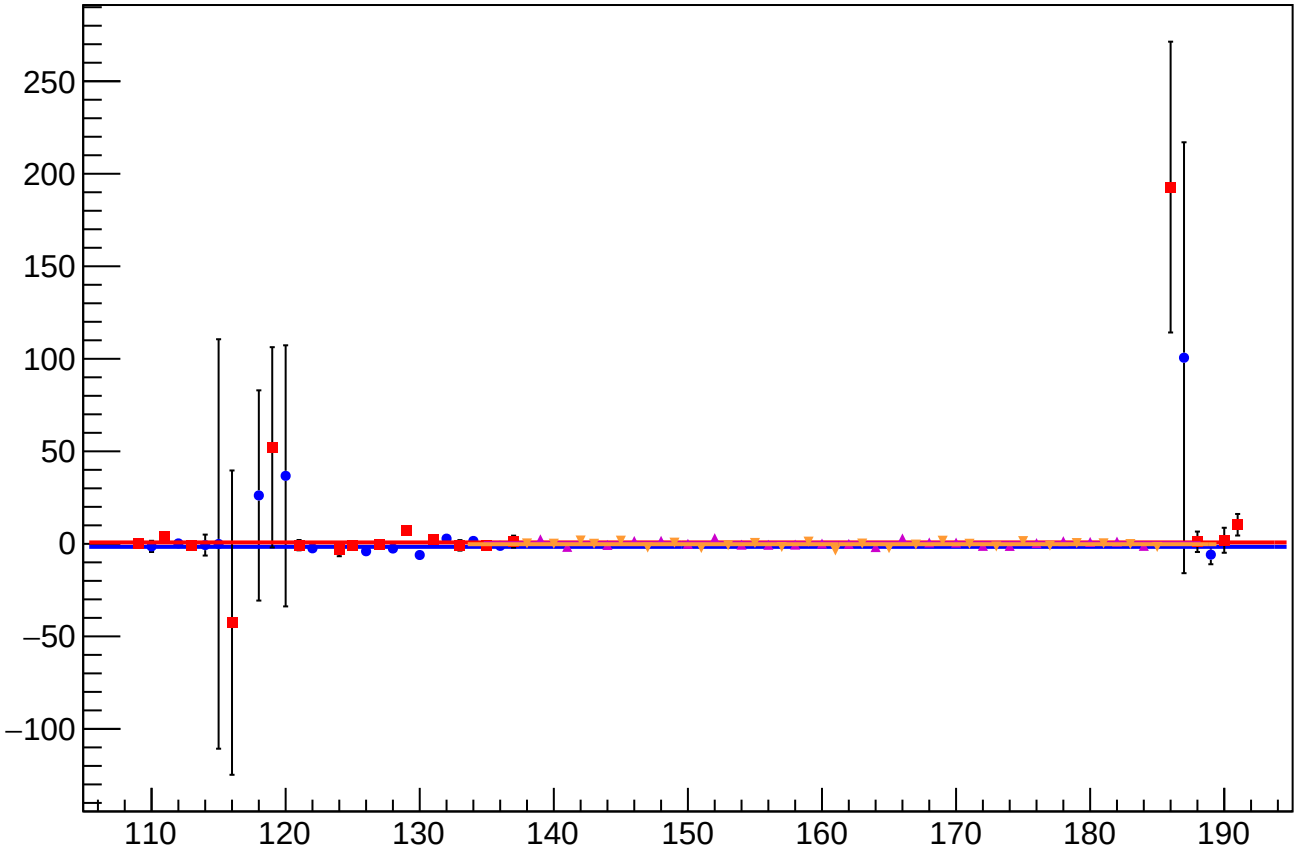
Left In: 4355.855+/-0.729 χ^2/NDF:743046.1/22

+ sign 3960.225+/-0.550 χ^2/NDF: 2098492.1/42

All: 3927.205+/-0.385 χ^2/NDF: 5376885.3/88

- sign 3895.291+/-0.540 χ^2/NDF: 3271294.8/45

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: 0.768+/-0.702 χ^2/NDF: 21.4/17

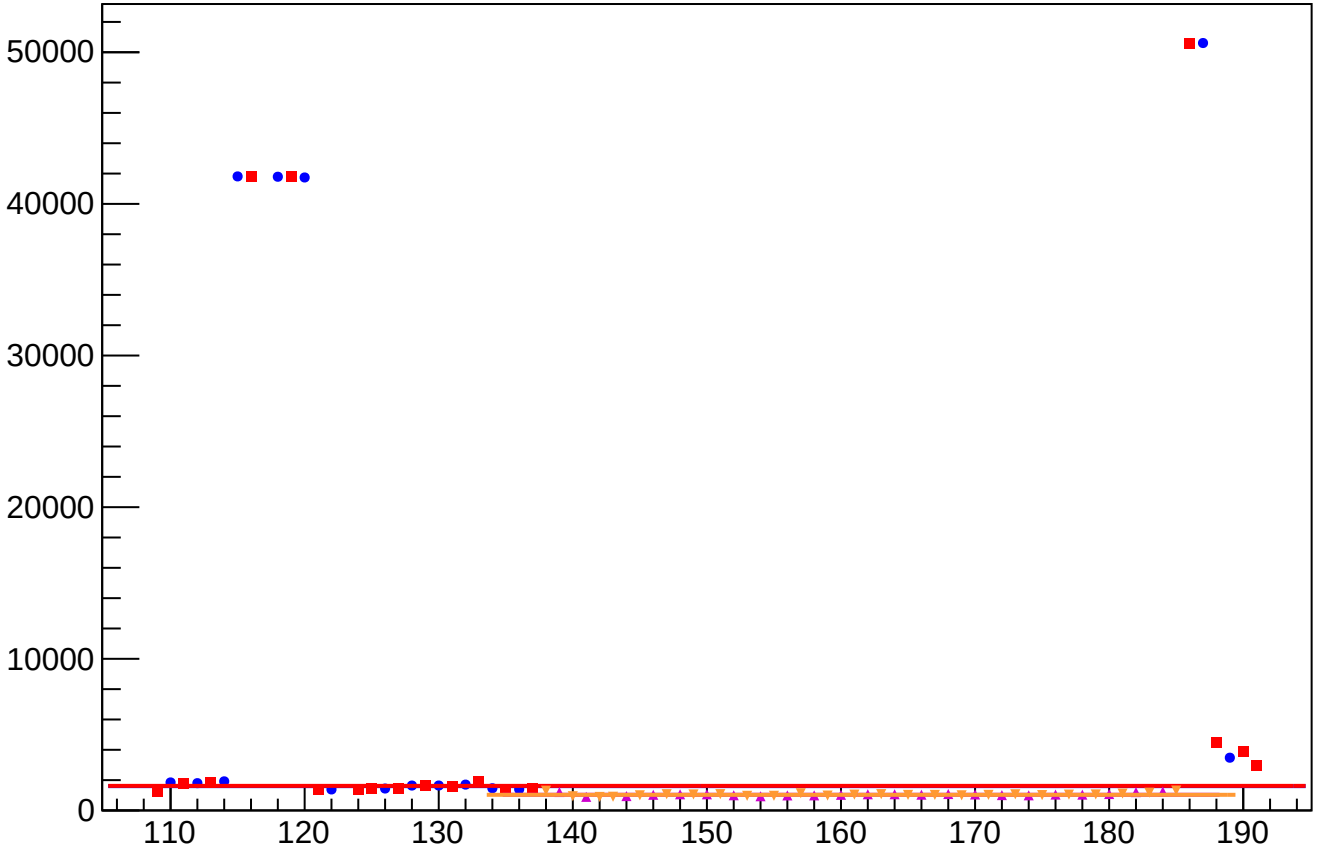
Left In: 0.333+/-0.242 χ^2/NDF:29.4/22

\+ sign -0.336+/-0.224 χ^2/NDF: 49.9/39

All: 0.014+/-0.160 χ^2/NDF: 106.1/80

\- sign 0.379+/-0.229 χ^2/NDF: 51.2/40

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: 1621.034+/-0.496 χ^2/NDF: 3404932.3/17

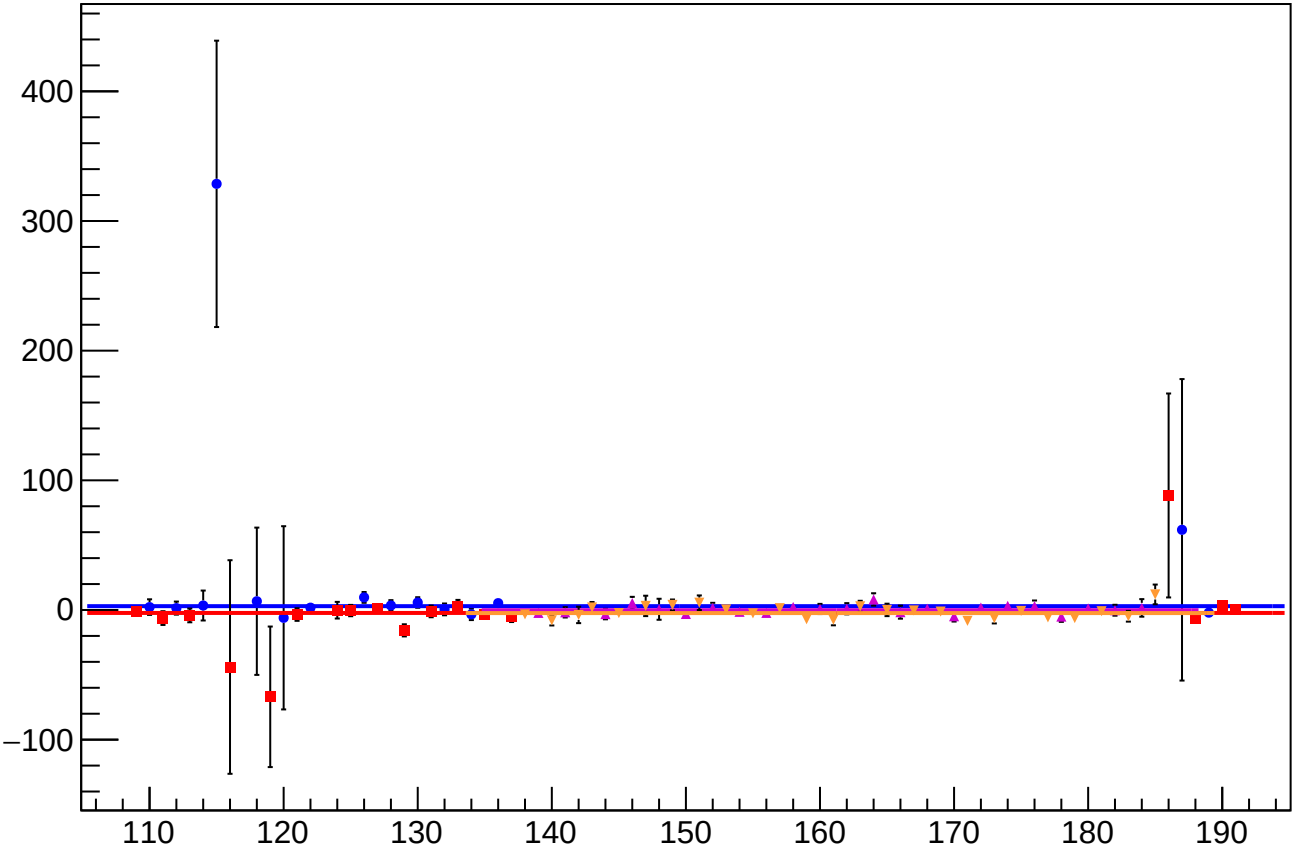
Left In: 1032.715+/-0.171 χ^2/NDF:187148.3/22

+ sign 1086.021+/-0.158 χ^2/NDF: 4008379.9/39

All: 1090.546+/-0.113 χ^2/NDF: 8857349.8/80

- sign 1095.273+/-0.162 χ^2/NDF: 4847300.9/40

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: -2.278+/-1.053 χ^2/NDF: 19.4/17

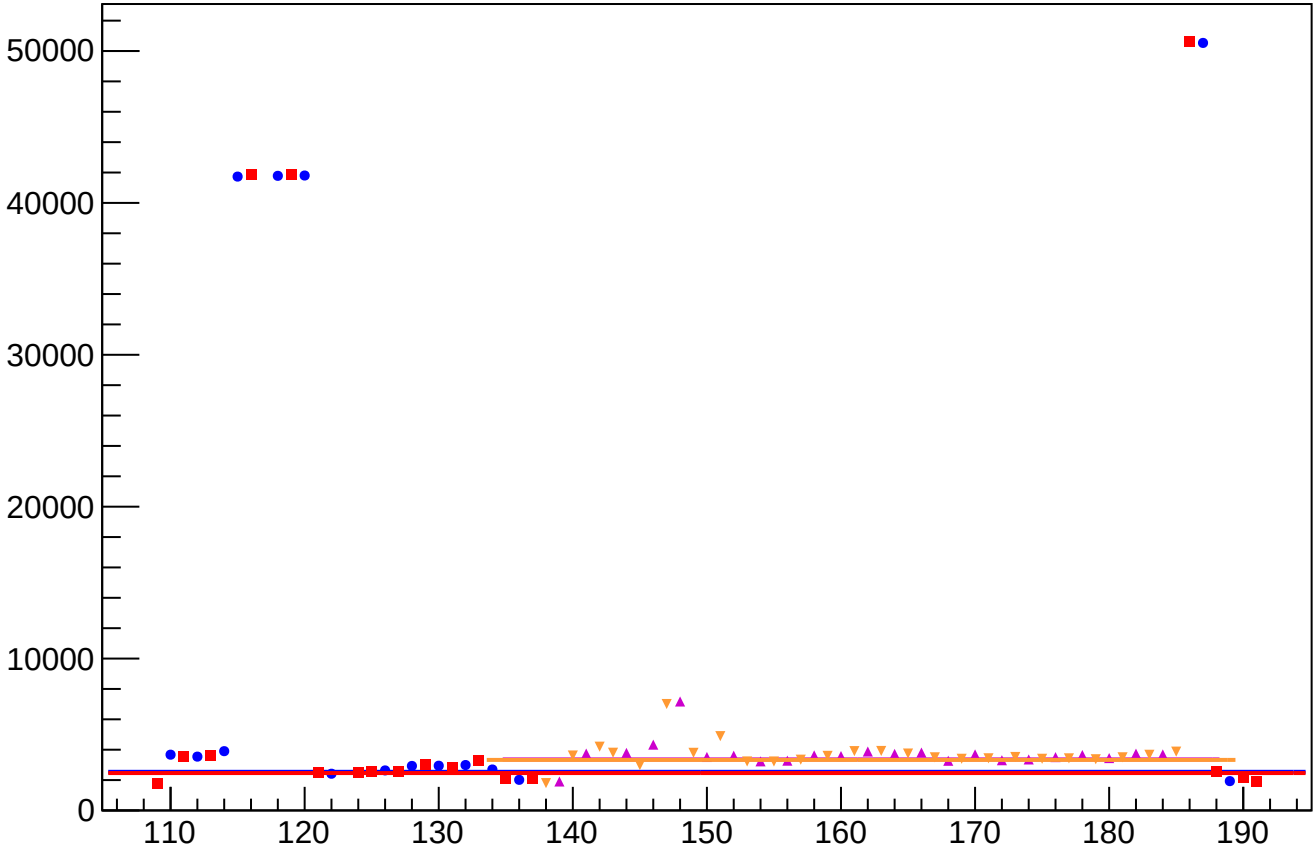
Left In: -0.171+/-0.810 χ^2/NDF:12.6/22

+ sign -0.706+/-0.648 χ^2/NDF: 57.4/39

All: -0.831+/-0.456 χ^2/NDF: 92.0/80

- sign -0.954+/-0.642 χ^2/NDF: 34.5/40

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: 2462.235+/-0.744 χ^2/NDF: 2766716.4/17

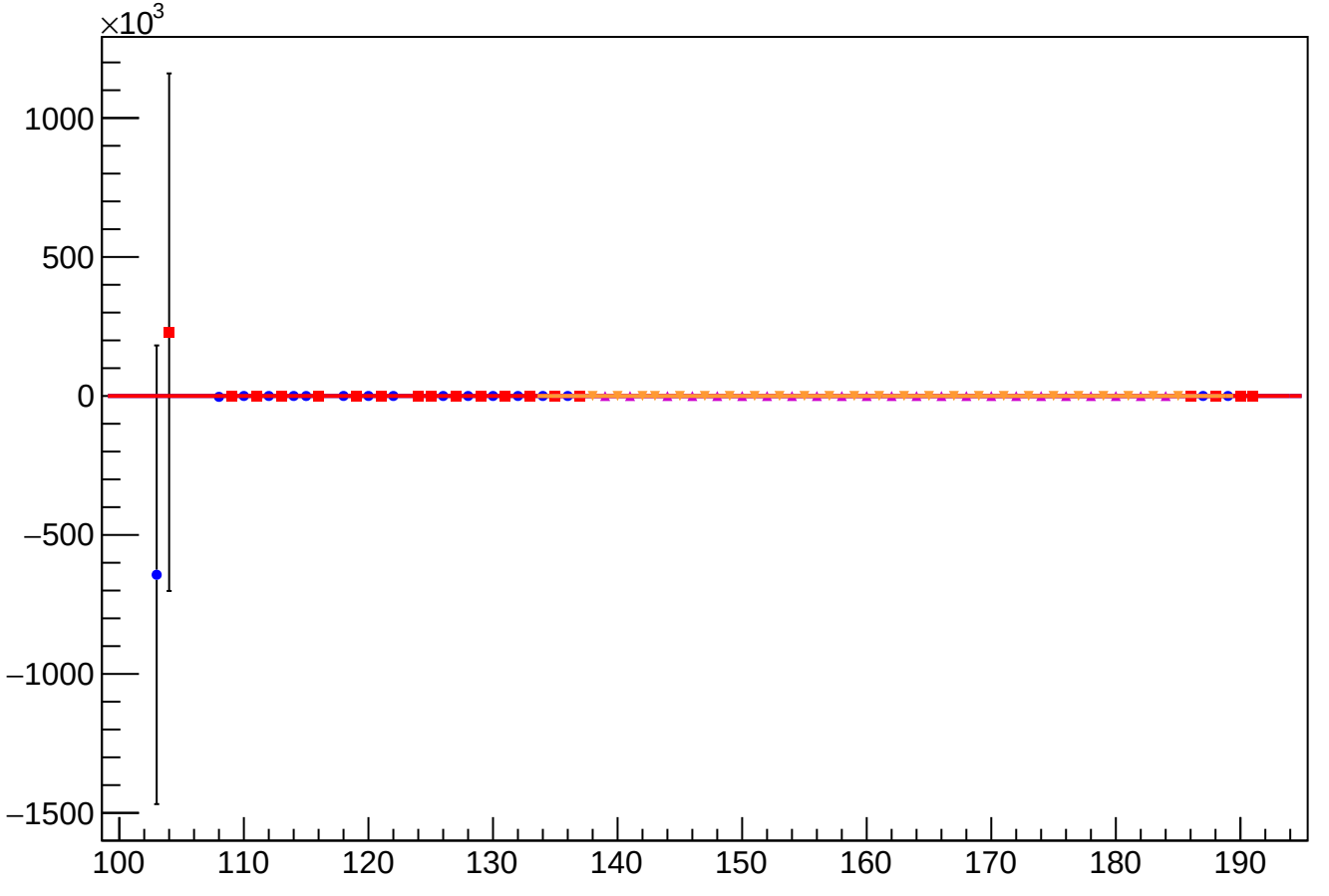
Left In: 3360.799+/-0.572 χ^2/NDF:1649390.5/22

+ sign 3081.845+/-0.458 χ^2/NDF: 5153707.2/39

All: 3054.120+/-0.322 χ^2/NDF: 10492534.1/8

- sign 3026.902+/-0.454 χ^2/NDF: 5331565.8/40

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: -2.894+/-1.054 χ^2/NDF: 21.2/18

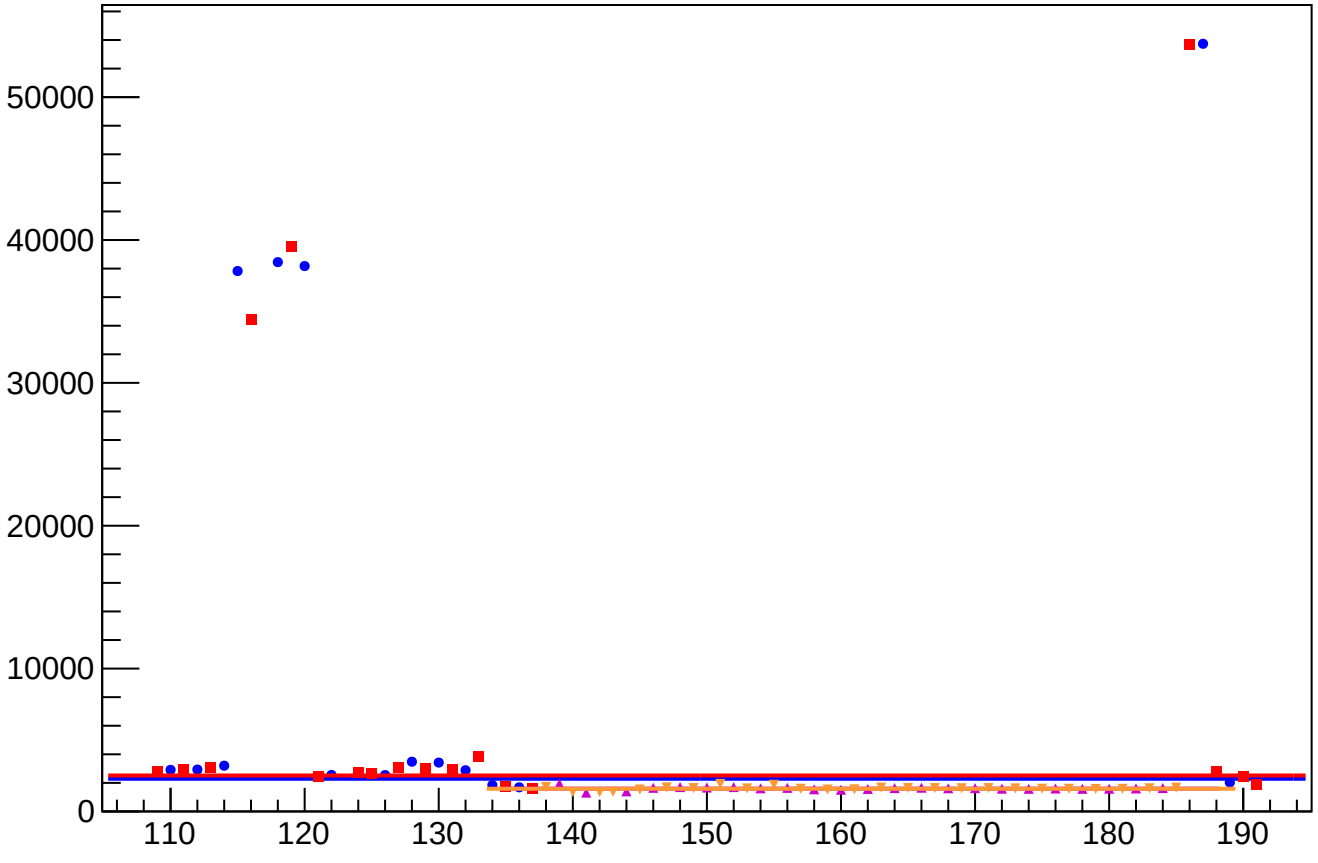
Left In: 0.018+/-0.374 χ^2/NDF:27.3/22

+ sign -1.544+/-0.343 χ^2/NDF: 69.2/41

All: -0.944+/-0.246 χ^2/NDF: 130.8/83

- sign -0.309+/-0.353 χ^2/NDF: 55.3/41

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: 2517.710+/-0.745 χ^2/NDF: 2855141.3/17

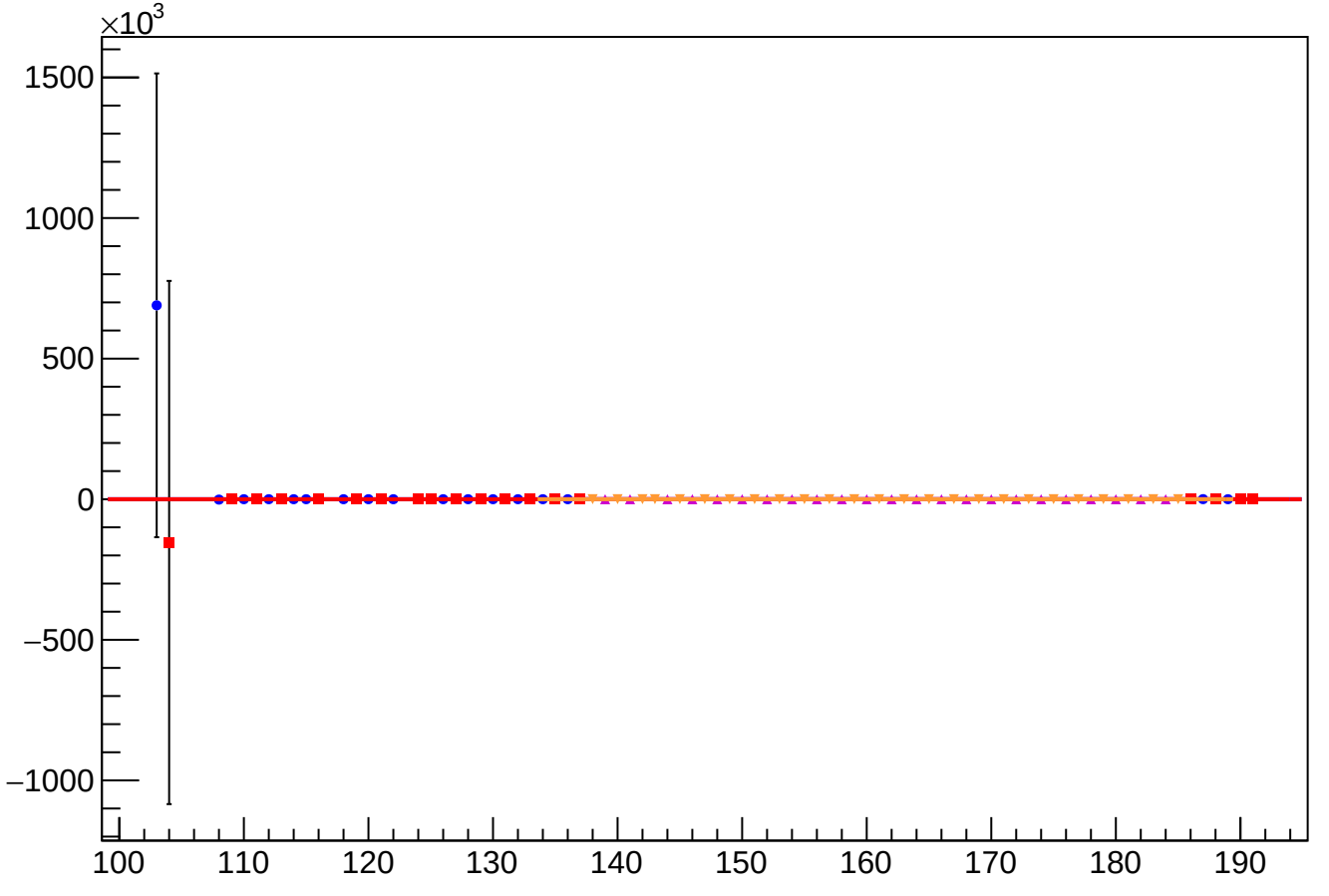
Left In: 1596.179+/-0.265 χ^2/NDF:196833.1/22

+ sign 1663.624+/-0.243 χ^2/NDF: 3843896.4/39

All: 1681.068+/-0.174 χ^2/NDF: 8264812.9/80

- sign 1699.512+/-0.249 χ^2/NDF: 4410282.3/40

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: -0.993+/-0.884 χ^2/NDF: 23.3/18

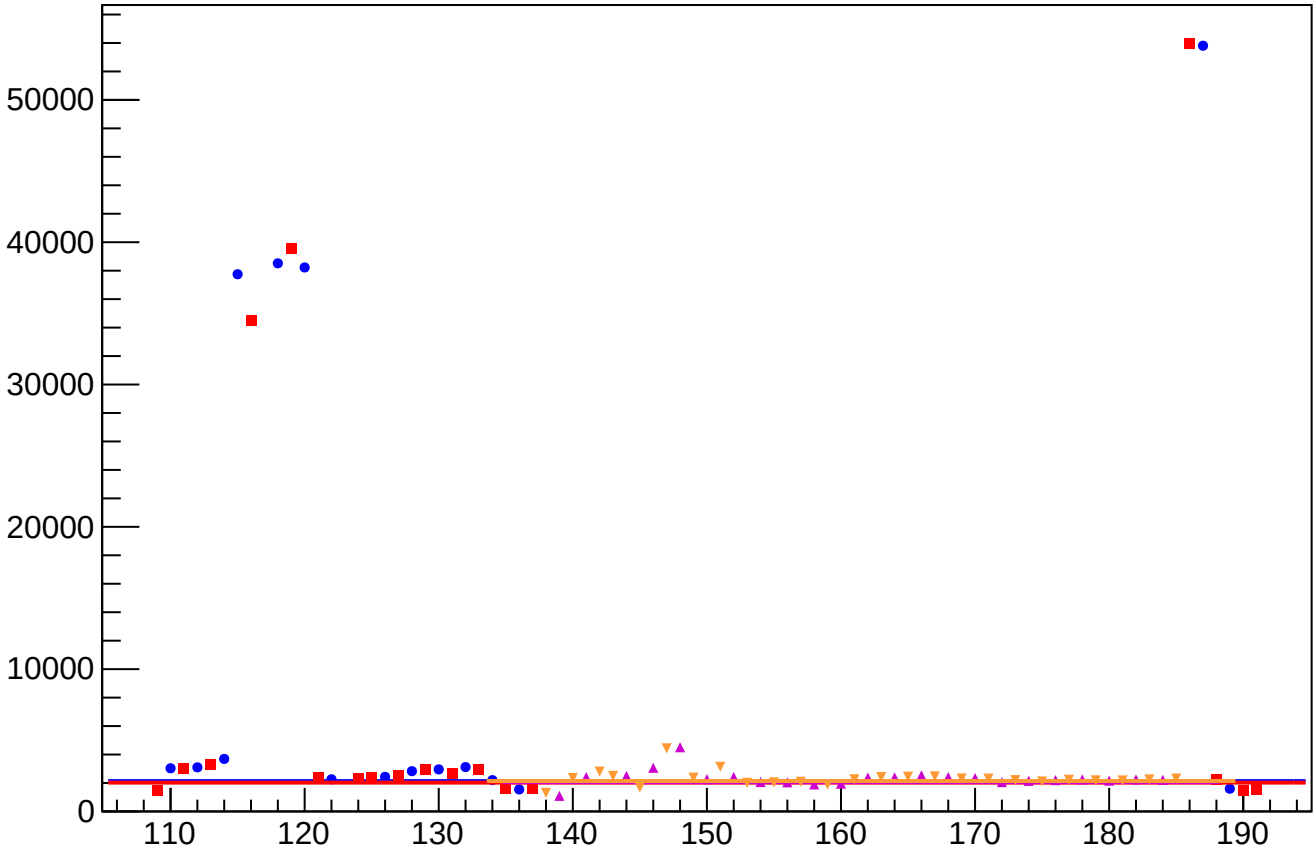
Left In: 0.125+/-0.501 χ^2/NDF:16.9/22

\+ sign -0.680+/-0.448 χ^2/NDF: 39.5/41

All: -0.407+/-0.312 χ^2/NDF: 81.6/83

\- sign -0.147+/-0.436 χ^2/NDF: 41.4/41

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: 2028.417+/-0.625 χ^2/NDF: 3189974.9/17

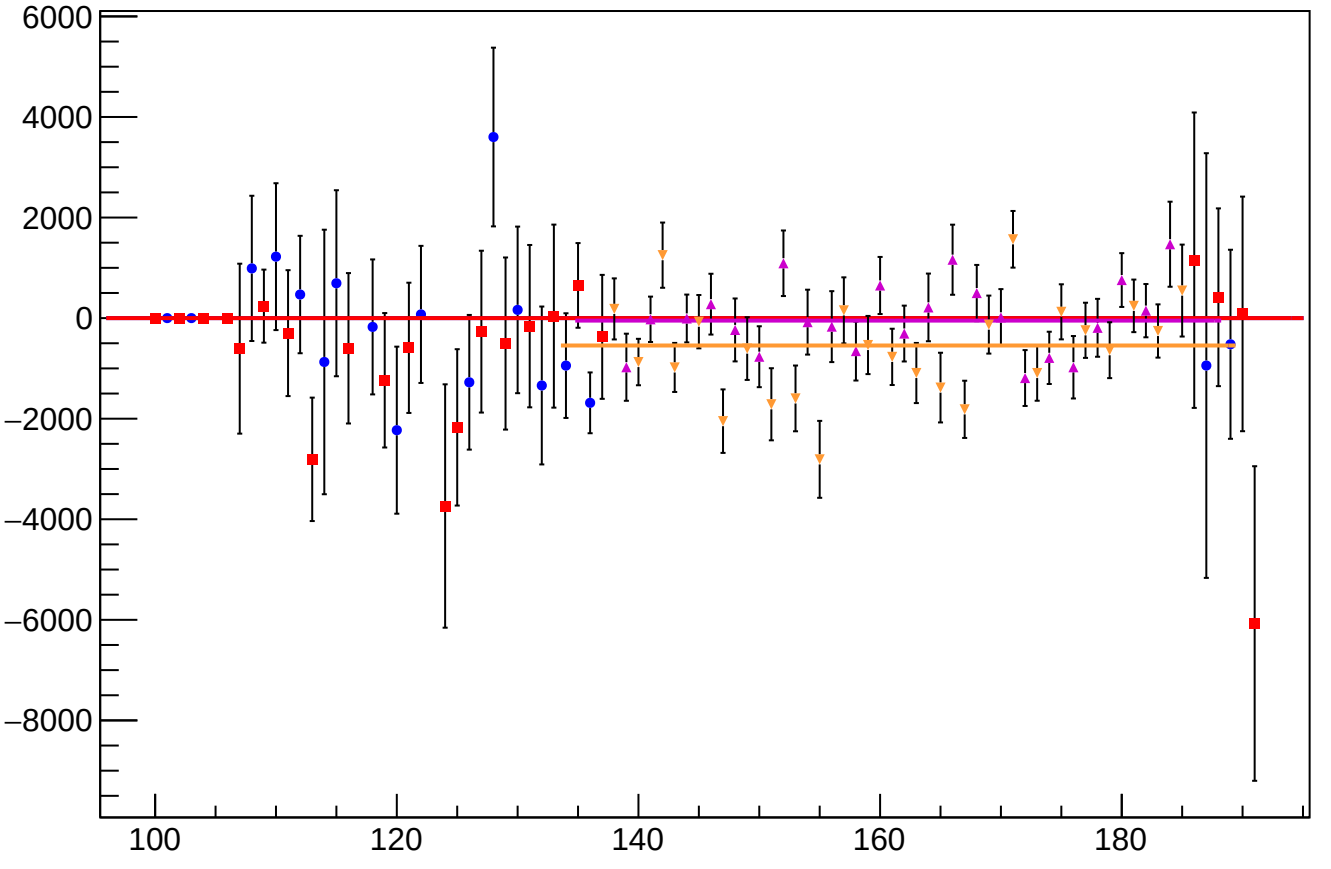
Left In: 2058.216+/-0.354 χ^2/NDF:2293601.6/22

+ sign 2137.891+/-0.317 χ^2/NDF: 4456988.0/39

All: 2093.258+/-0.221 χ^2/NDF: 9980941.4/80

- sign 2050.971+/-0.308 χ^2/NDF: 5485295.2/40

diff_cav4bX_mean vs Slug



Right In: 0.255+/-0.356 χ^2/NDF: 17.9/17

Left Out: -544.414+/-117.154 χ^2/NDF:60.9/24

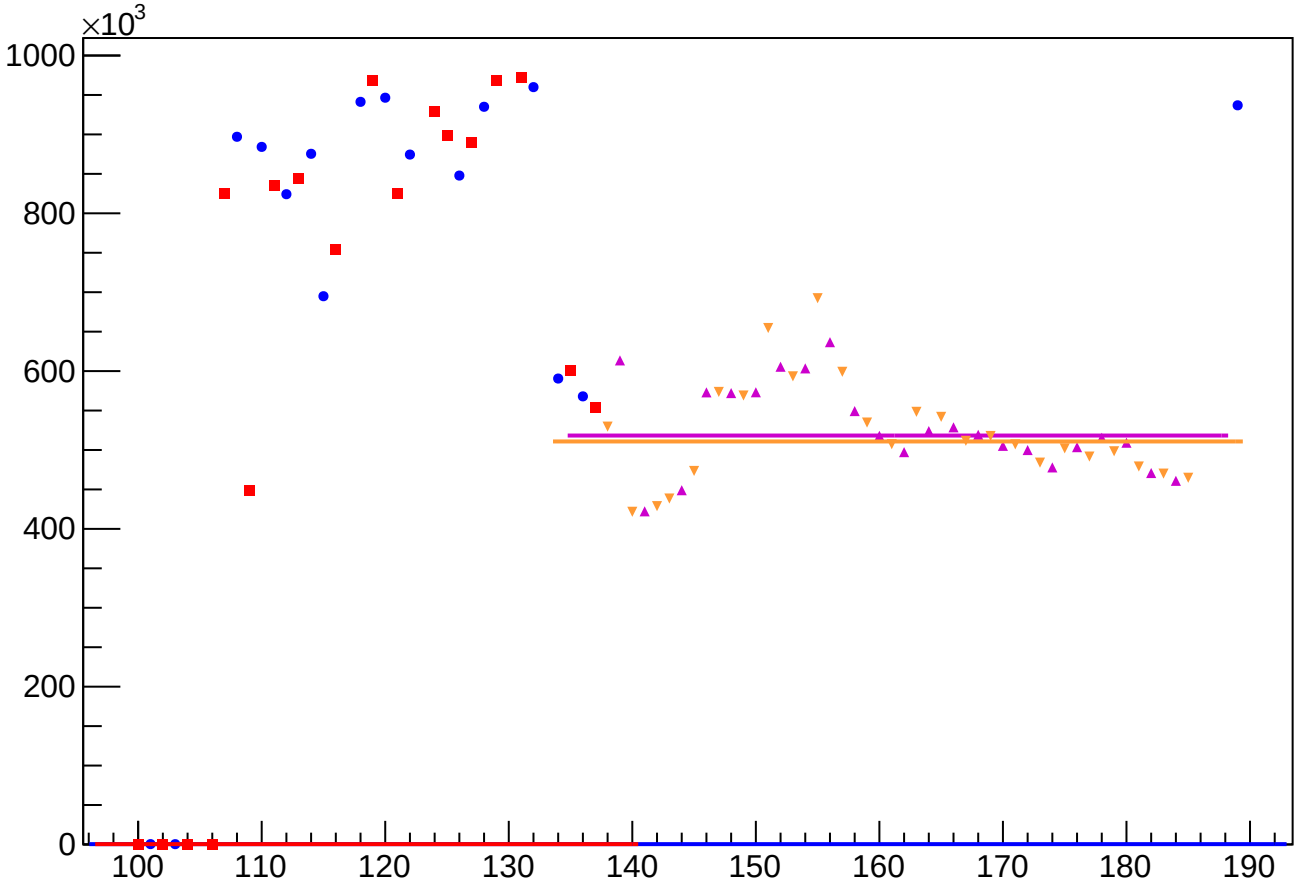
Right Out: 0.096+/-0.328 χ^2/NDF: 19.4/22

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: 148.0/88

\- sign 0.095+/-0.328 χ^2/NDF: 47.5/45



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

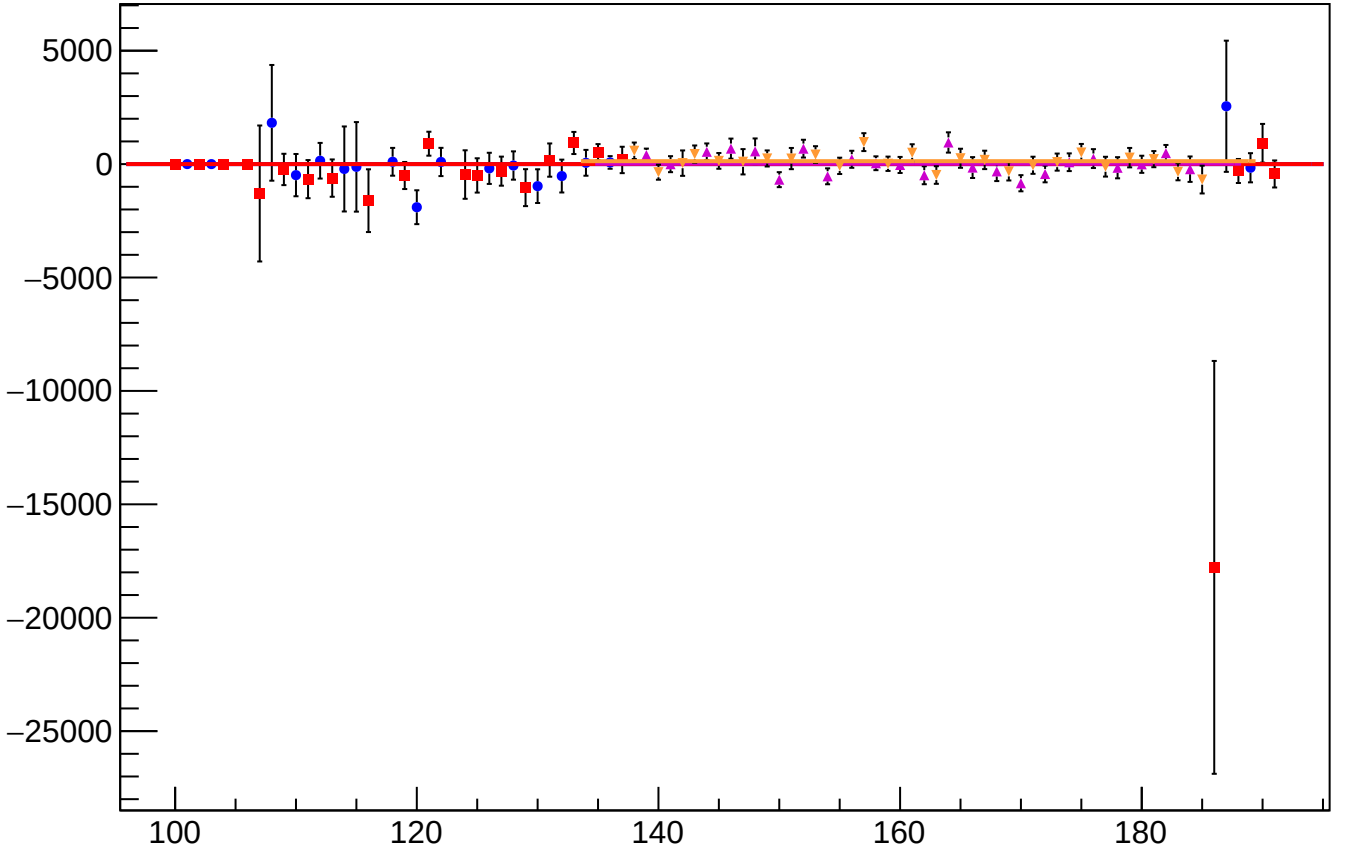
Left In: 518313.411+/-86.219 χ^2/NDF:399884.6/22

+ 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: 20.8/22

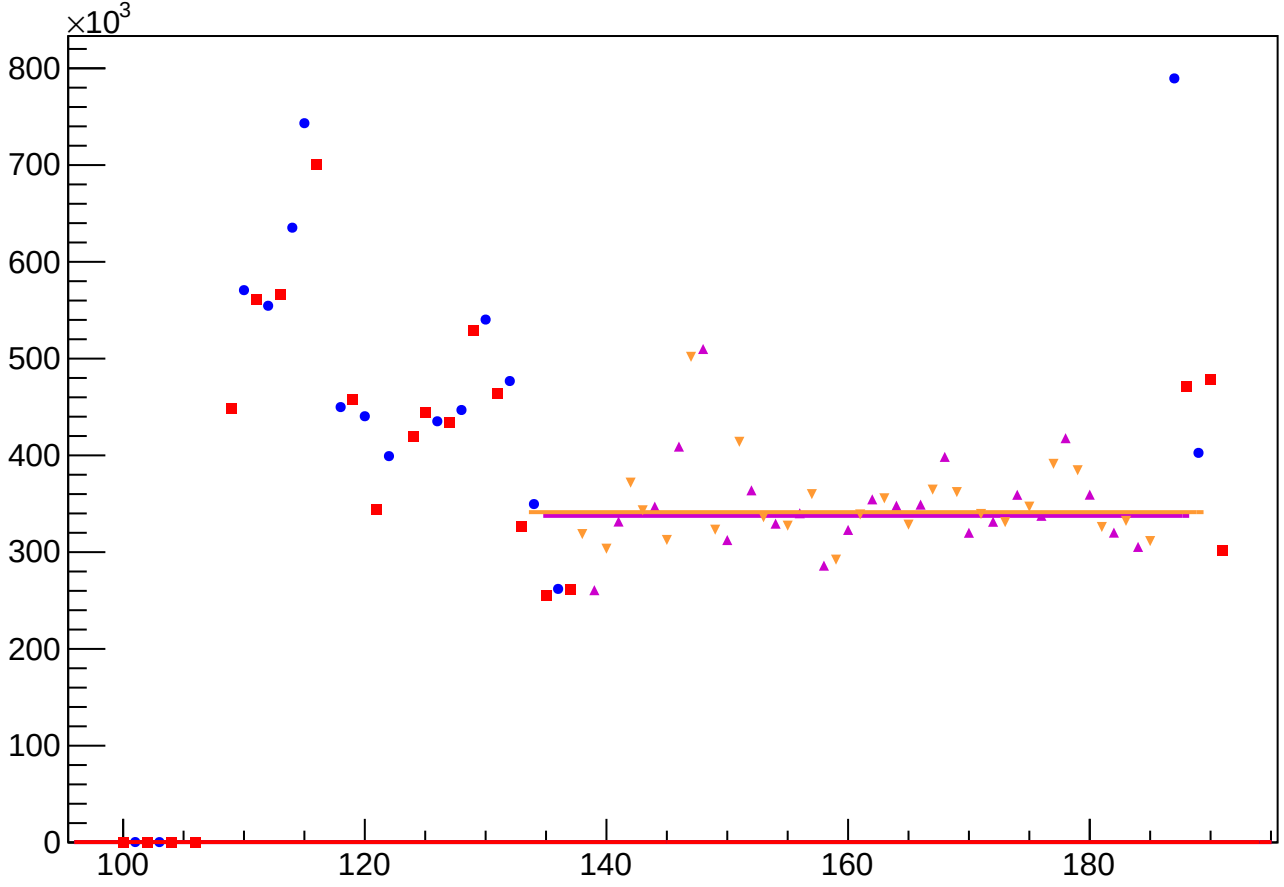
Left In: 19.324+/-79.767 χ^2/NDF:33.7/22

+ sign -0.018+/-0.347 χ^2/NDF: 34.1/42

All: 0.312+/-0.237 χ^2/NDF: 90.4/88

- sign 0.599+/-0.324 χ^2/NDF: 54.6/45

diff_cav4bY_rms vs Slug



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: 388.313+/-0.229 χ^2/NDF: 13749201.4/20

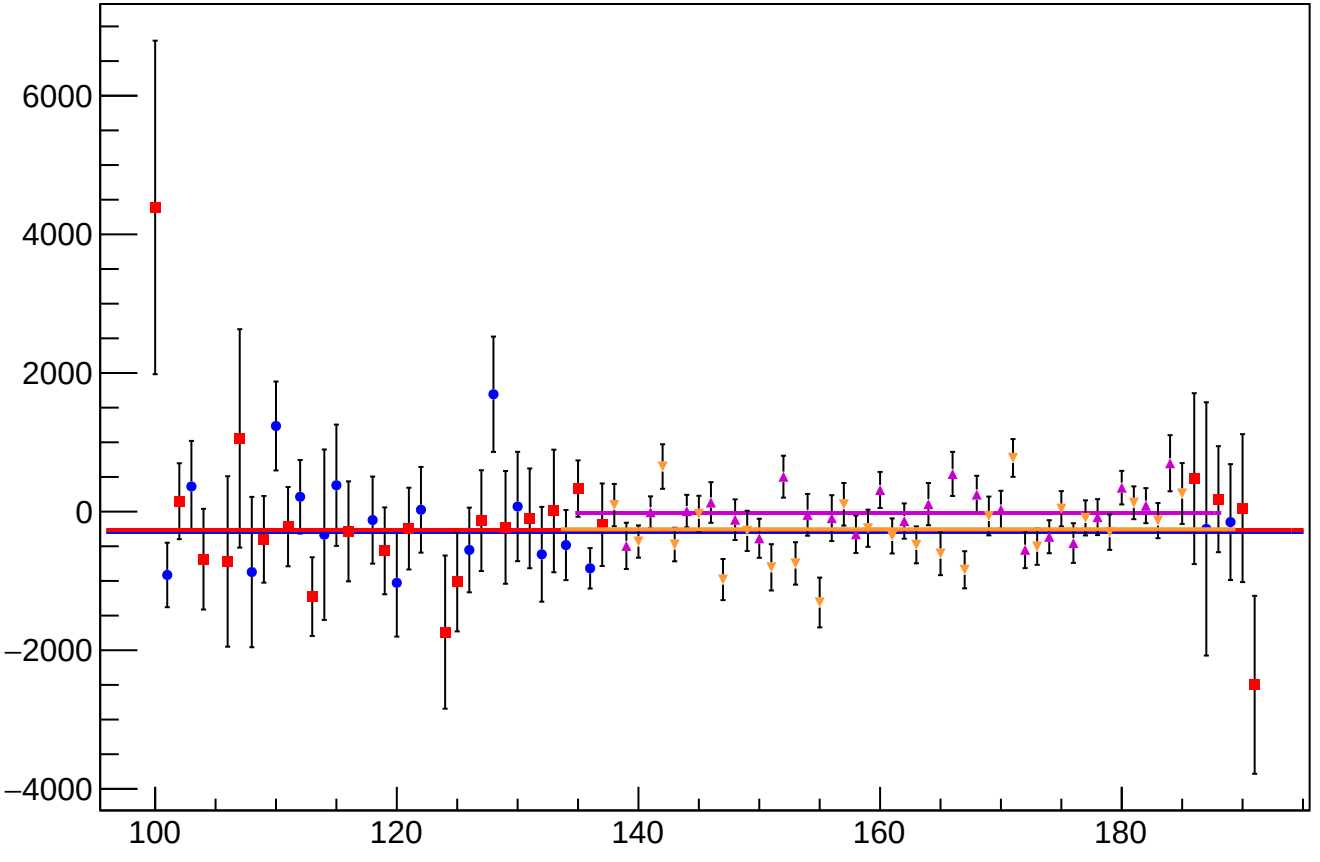
Left In: 337505.654+/-56.407 χ^2/NDF:600776.4/22

+ sign 397.101+/-0.245 χ^2/NDF: 50296251.7/41

All: 395.372+/-0.167 χ^2/NDF: 100364670.1/8

- sign 393.868+/-0.229 χ^2/NDF: 50068325.6/43

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

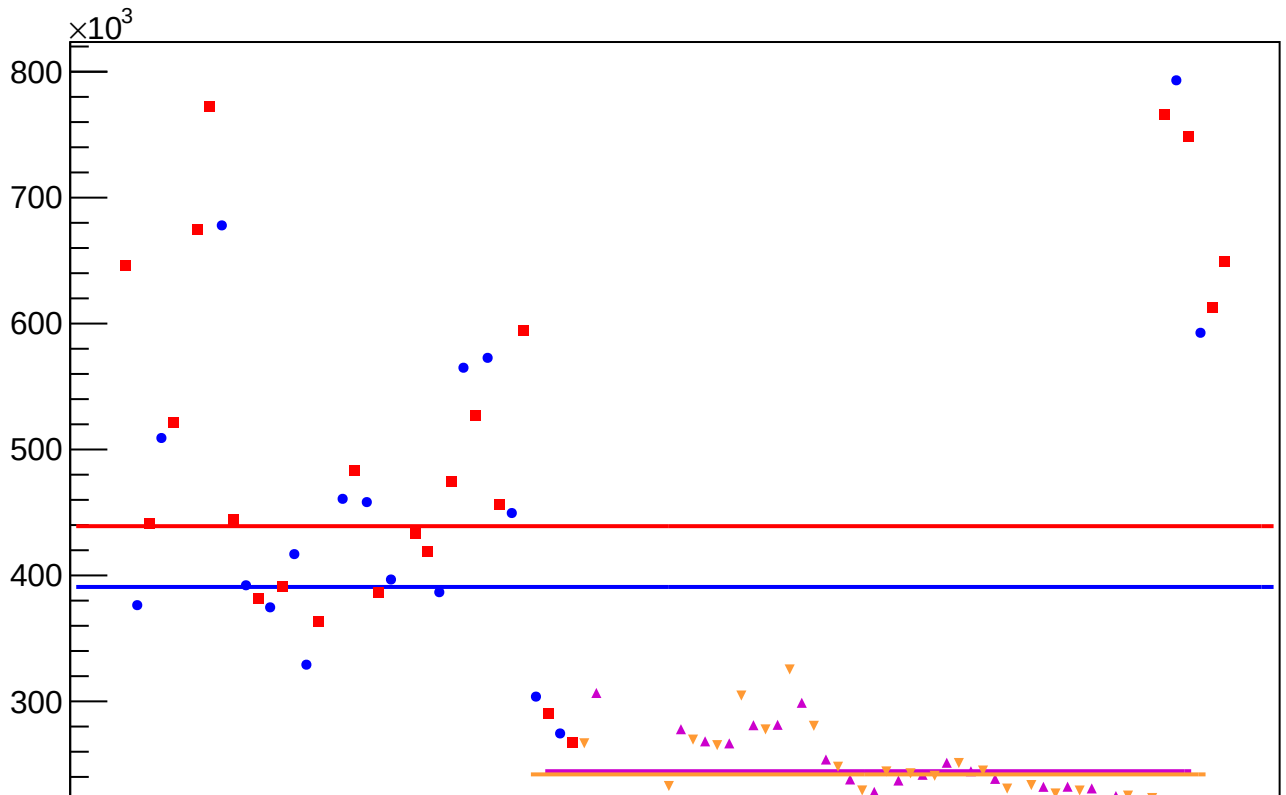
Right Out: -264.765+/-149.673 χ^2/NDF: 17.7/22

Left In: -20.176+/-57.484 χ^2/NDF:28.6/22

+ sign -259.383+/-51.751 χ^2/NDF: 82.6/42

All: -159.266+/-37.251 χ^2/NDF: 138.9/88

- sign -51.616+/-53.662 χ^2/NDF: 48.6/45



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: 439118.936+/-105.916 χ^2/NDF: 1374262.3/22

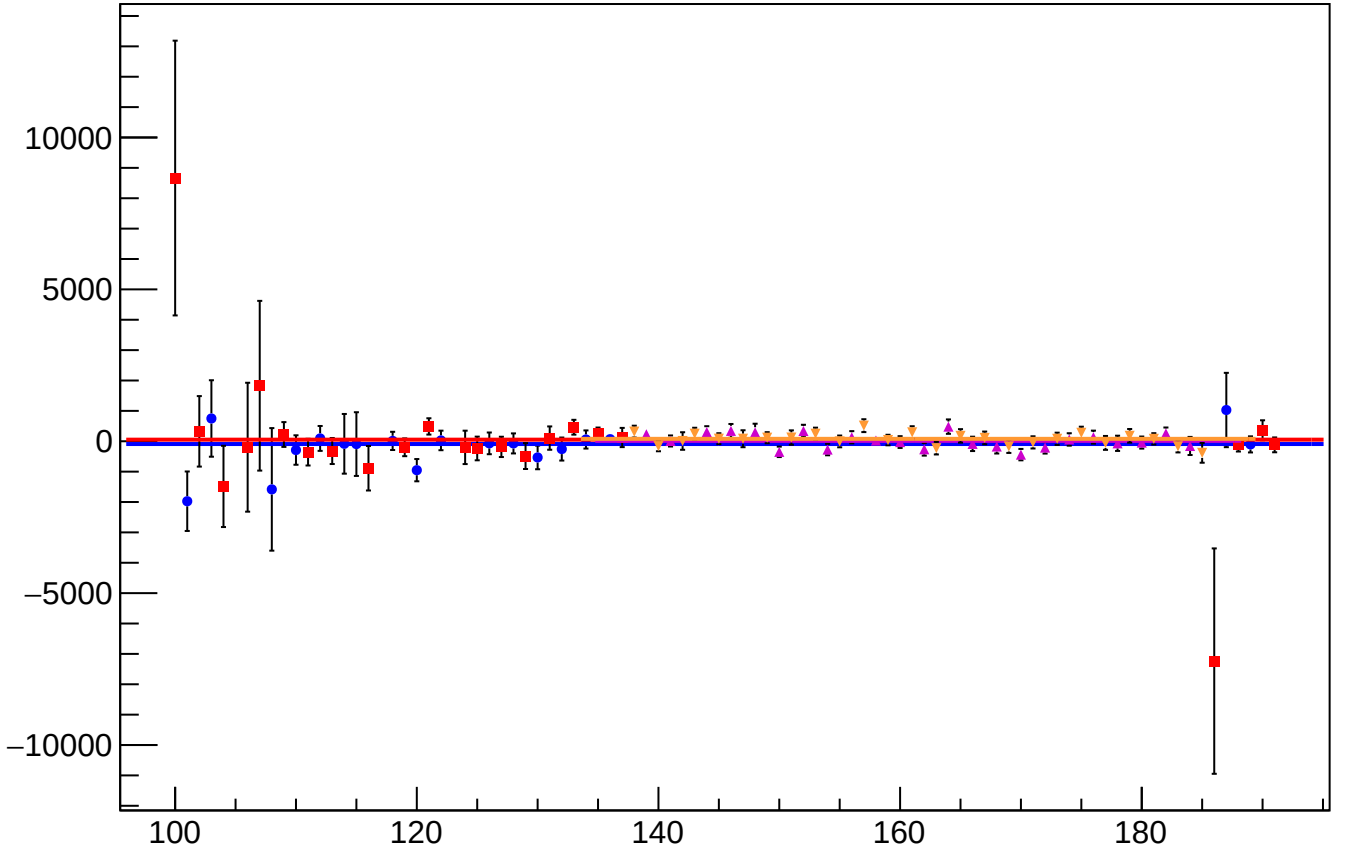
Left In: 244542.686+/-40.647 χ^2/NDF:361527.4/22

+ sign 261047.828+/-36.594 χ^2/NDF: 3315960.4/42

All: 265130.479+/-26.342 χ^2/NDF: 8019230.

- sign 269520.958+/-37.949 χ^2/NDF: 4677437.4/45

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

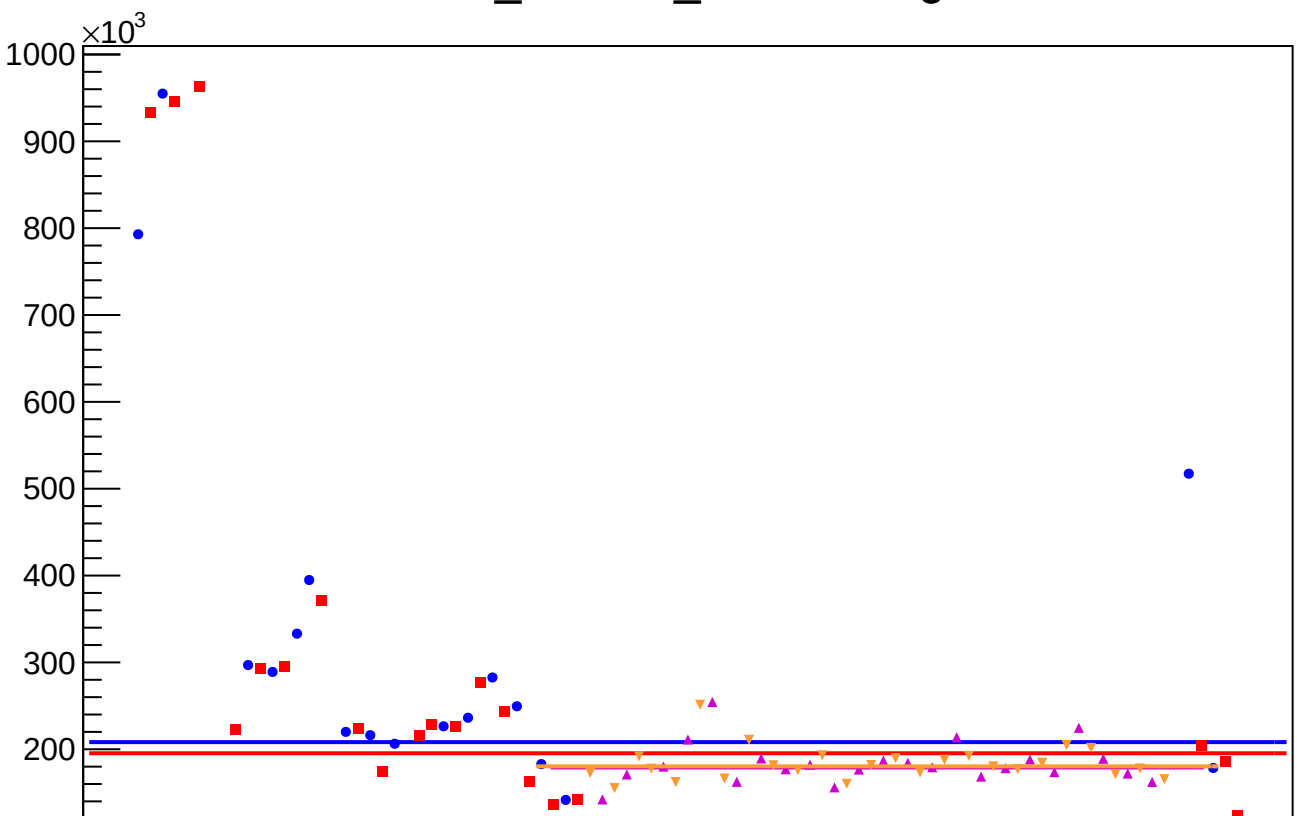
Right Out: 52.598+/-75.034 χ^2/NDF: 25.0/22

Left In: 14.032+/-42.233 χ^2/NDF:33.2/22

+ sign 45.934+/-37.023 χ^2/NDF: 37.6/42

All: 34.555+/-26.101 χ^2/NDF: 96.2/88

- sign 23.310+/-36.804 χ^2/NDF: 58.4/45



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: 195382.498+/-53.165 χ^2/NDF: 2267024.7/19

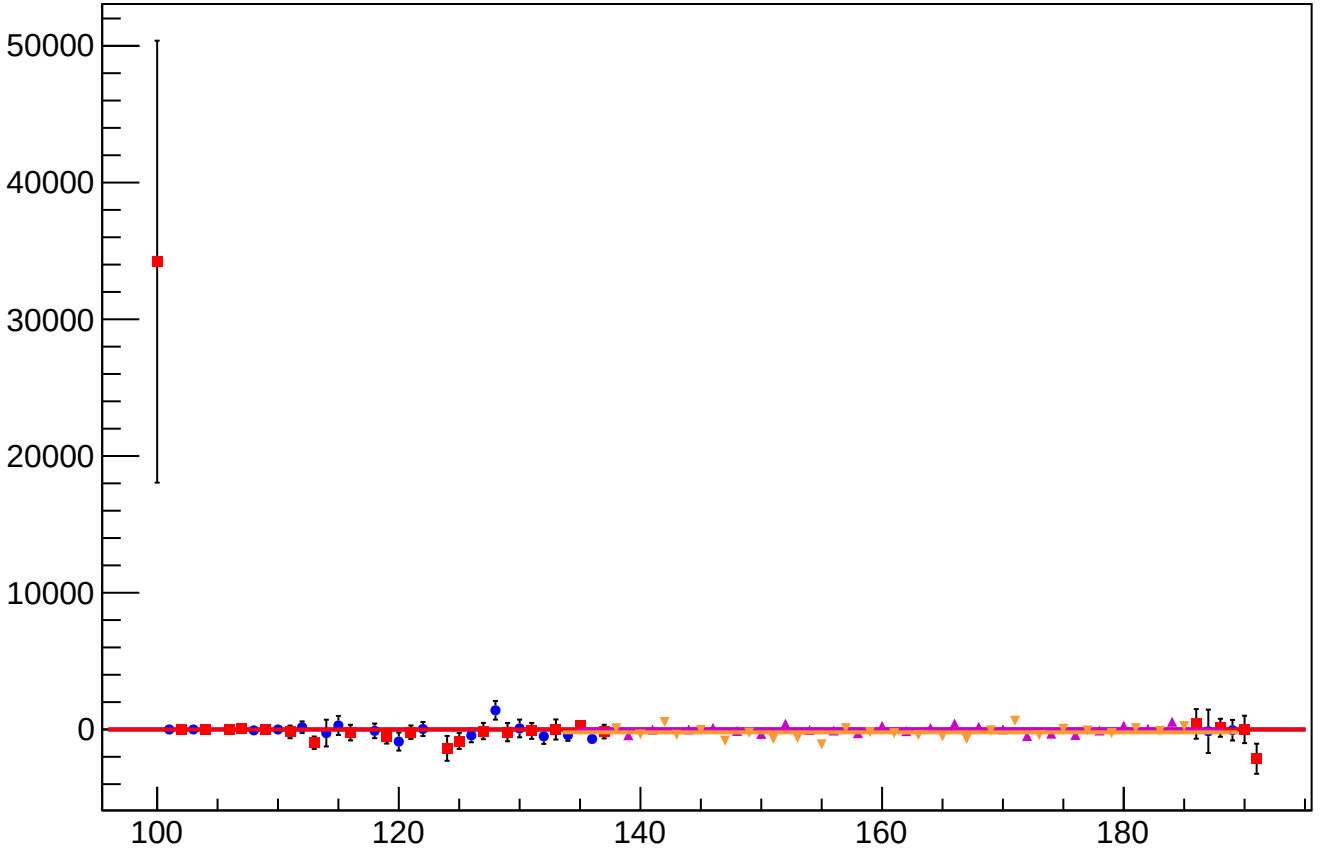
Left In: 179024.195+/-29.863 χ^2/NDF:501400.7/22

+ sign 185804.814+/-26.187 χ^2/NDF: 2638735.6/41

All: 184367.992+/-18.464 χ^2/NDF: 5485112.

- sign 182947.614+/-26.037 χ^2/NDF: 2840390.9/42

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

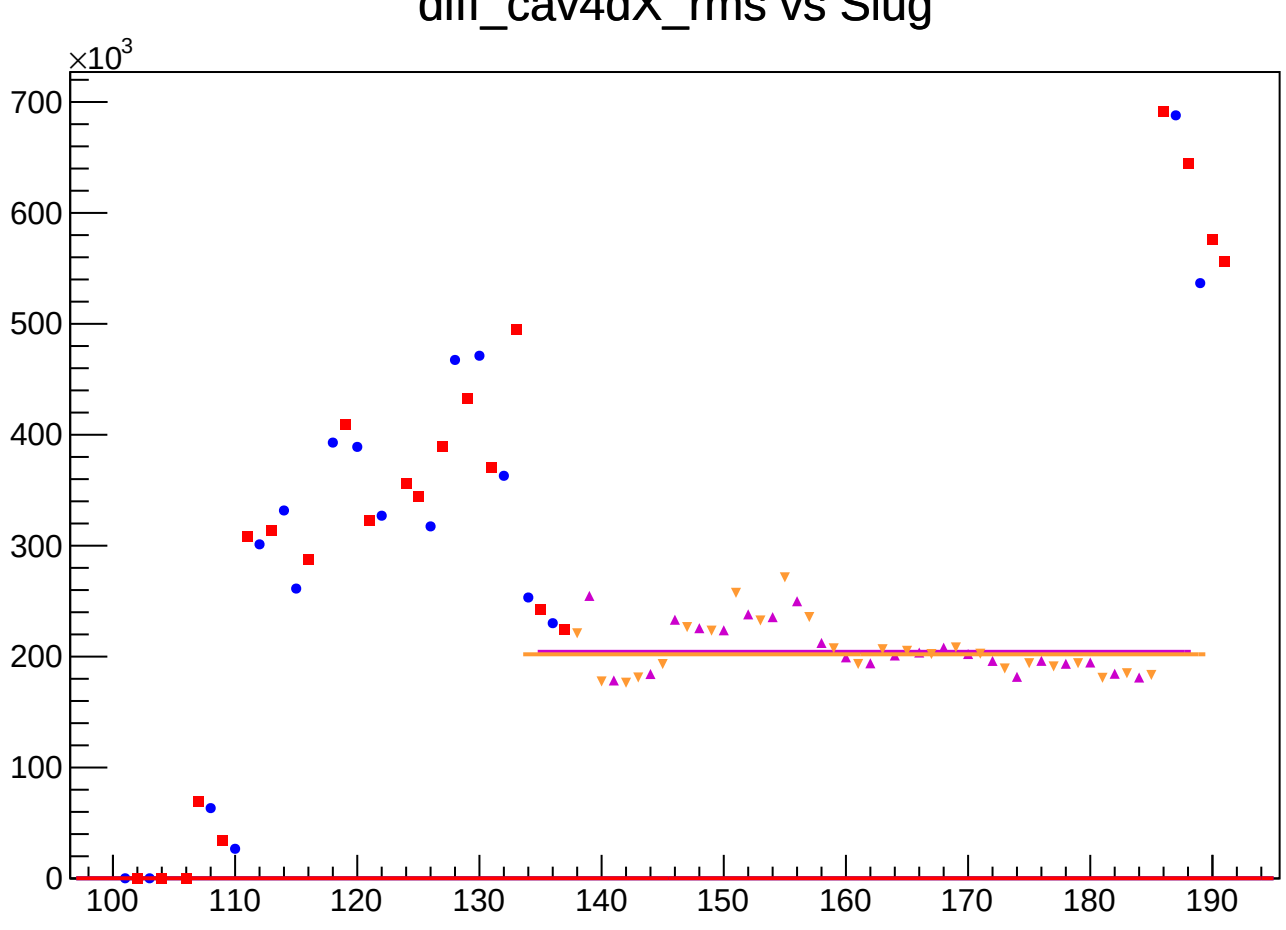
Right Out: -0.355+/-0.160 χ^2/NDF: 20.4/22

Left In: -21.095+/-48.037 χ^2/NDF:28.6/22

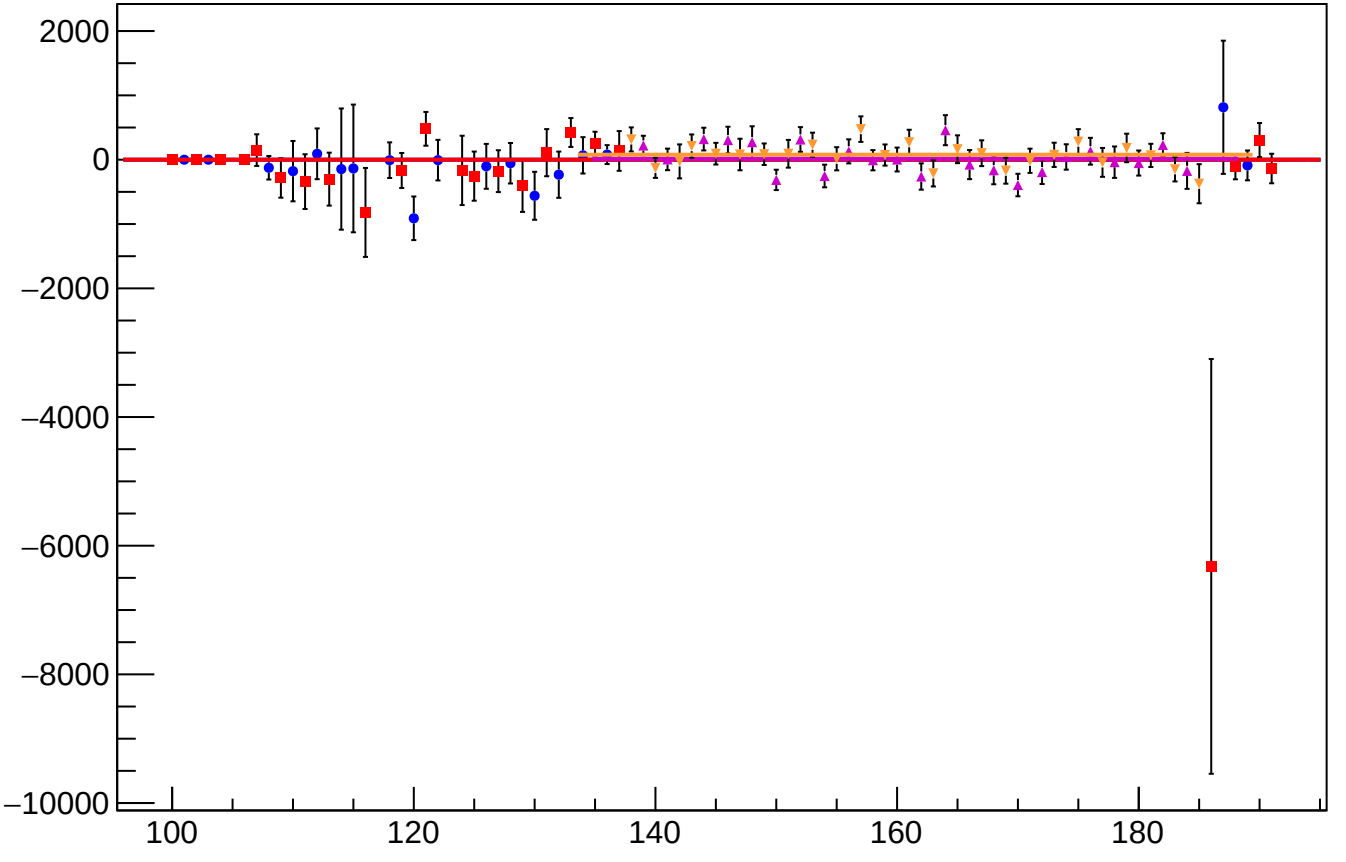
+ sign -0.038+/-0.172 χ^2/NDF: 99.9/42

All: -0.208+/-0.117 χ^2/NDF: 151.0/88

- sign -0.355+/-0.160 χ^2/NDF: 49.2/45


diff_cav4dX_rms vs Slug
×10^3
700
600
500
400
300
200
100
0
100
110
120
130
140
150
160
170
180
190
Right In: 149.129+/-0.122 χ²/NDF: 12700646.1/17
Left Out: 202085.802+/-32.732 χ²/NDF:434069.3/24
Right Out: 149.458+/-0.113 χ²/NDF: 15187378.6/21
Left In: 204310.238+/-33.967 χ²/NDF:377332.3/22
+ sign 151.925+/-0.122 χ²/NDF: 51196506.0/42
All: 151.819+/-0.083 χ²/NDF: 102886639.4/8
- sign 151.727+/-0.113 χ²/NDF: 51690132.0/44

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: 21.1/22

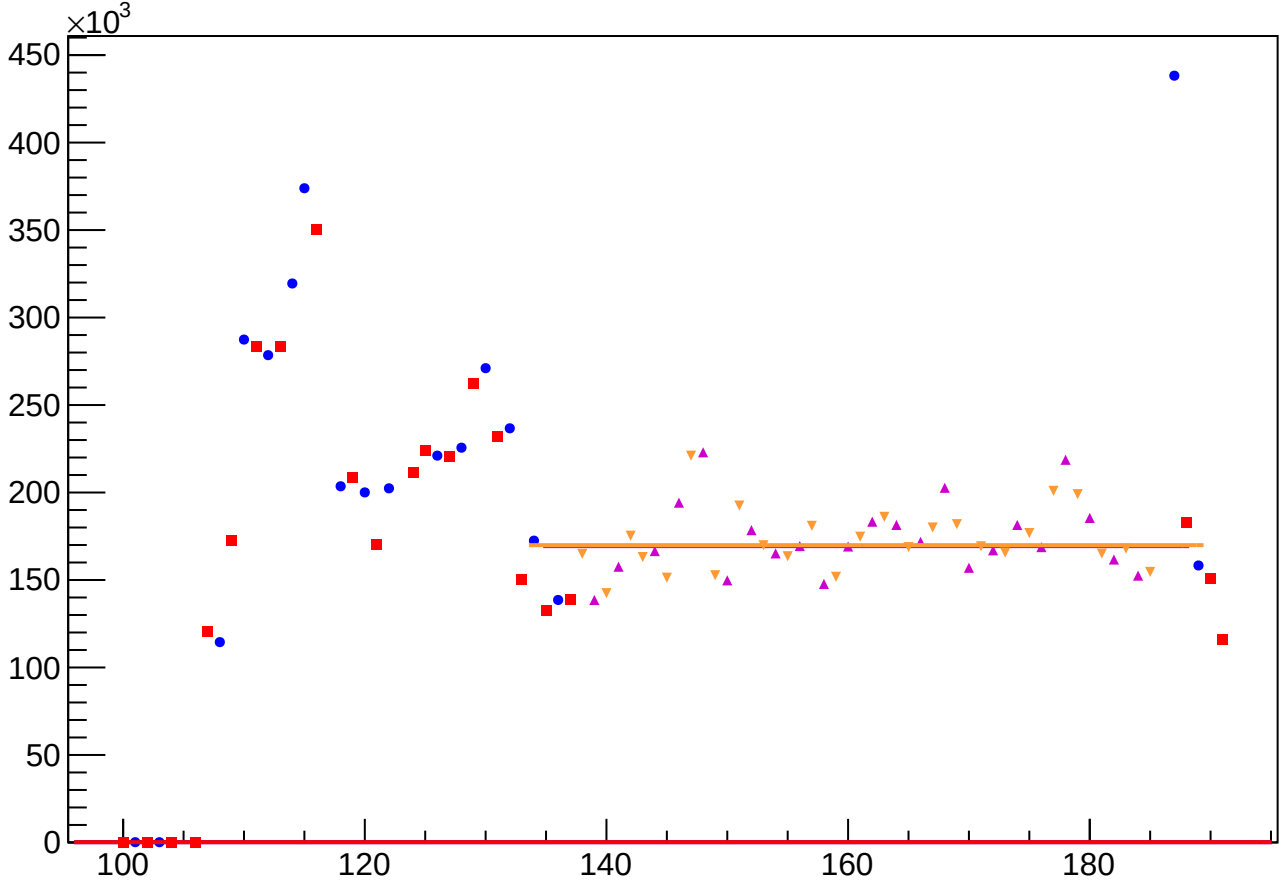
Left In: 13.457+/-39.929 χ^2/NDF:32.7/22

\+ sign -0.066+/-0.177 χ^2/NDF: 35.1/42

All: 0.036+/-0.121 χ^2/NDF: 89.5/88

\- sign 0.126+/-0.166 χ^2/NDF: 53.9/45

diff_cav4dY_rms vs Slug



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: 156.411+/-0.118 χ^2/NDF: 14233857.7/21

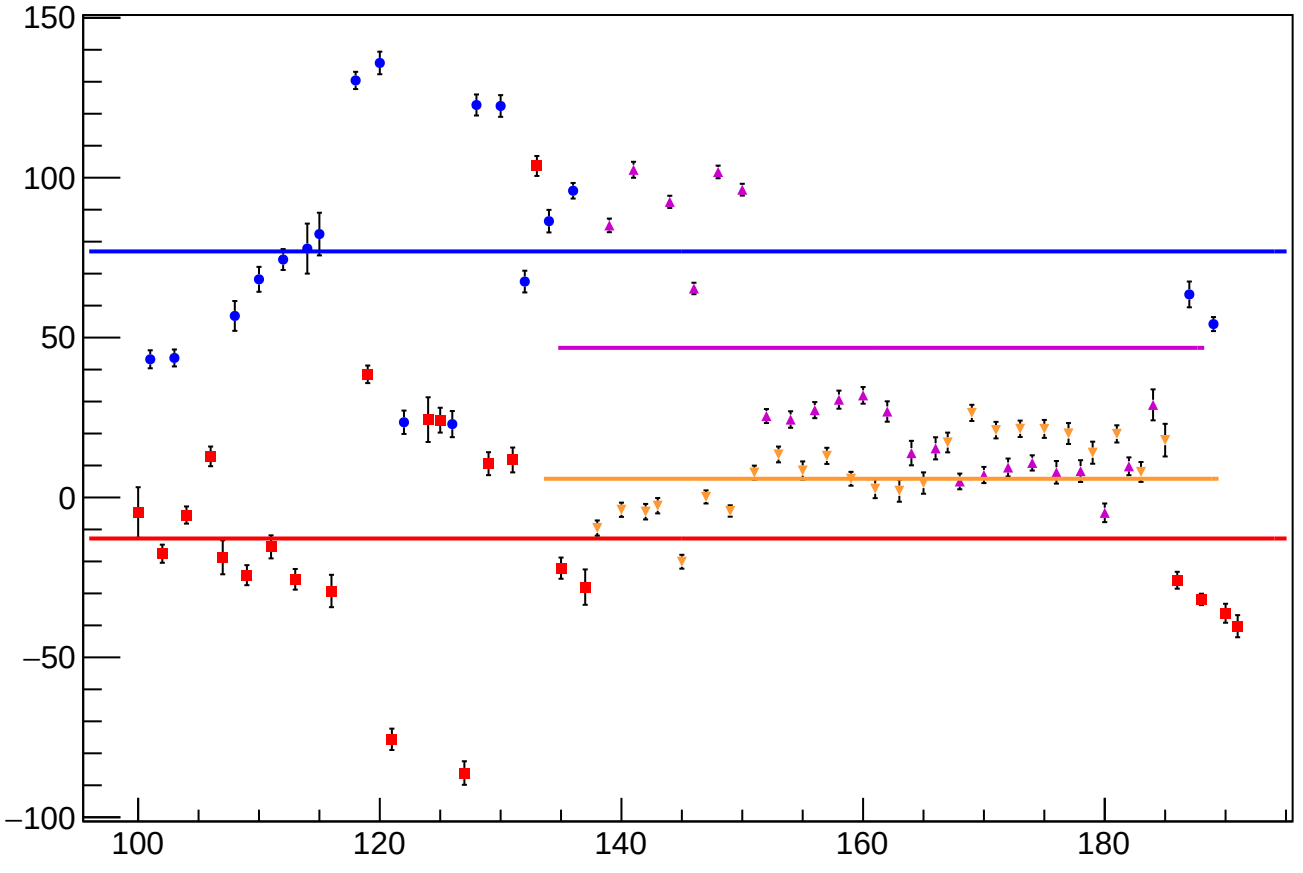
Left In: 169352.083+/-28.234 χ^2/NDF:474852.1/22

+ sign 157.085+/-0.125 χ^2/NDF: 51605462.4/42

All: 158.290+/-0.086 χ^2/NDF: 102224400.5/8

- sign 159.352+/-0.118 χ^2/NDF: 50618764.4/44

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: -12.824+/-0.683 χ^2/NDF: 3095.0/22

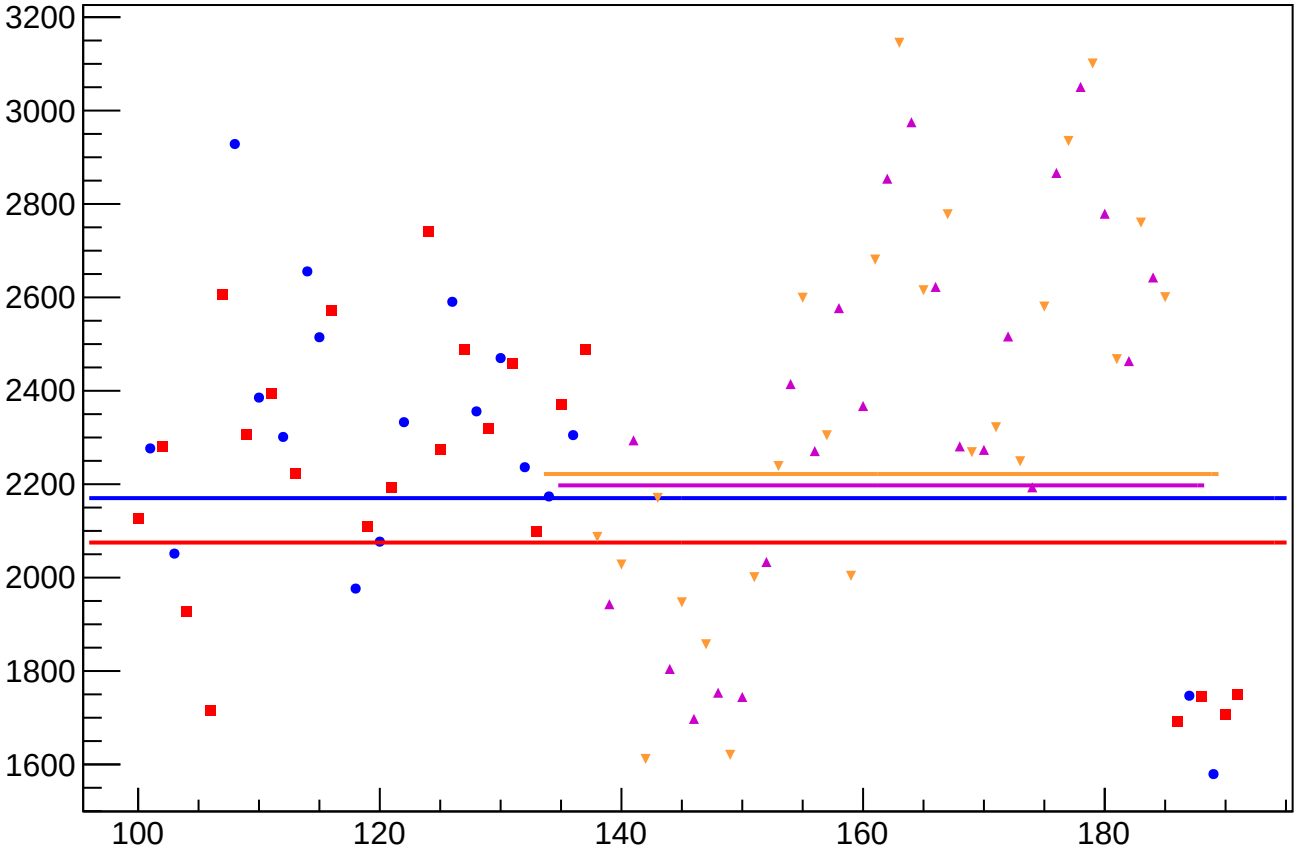
Left In: 46.796+/-0.524 χ^2/NDF:5175.4/22

+ sign 27.416+/-0.429 χ^2/NDF: 8292.3/42

All: 26.006+/-0.299 χ^2/NDF: 21377.1/88

- sign 24.680+/-0.416 χ^2/NDF: 13063.8/45

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: 2075.089+/-0.483 χ^2/NDF: 380818.0/22

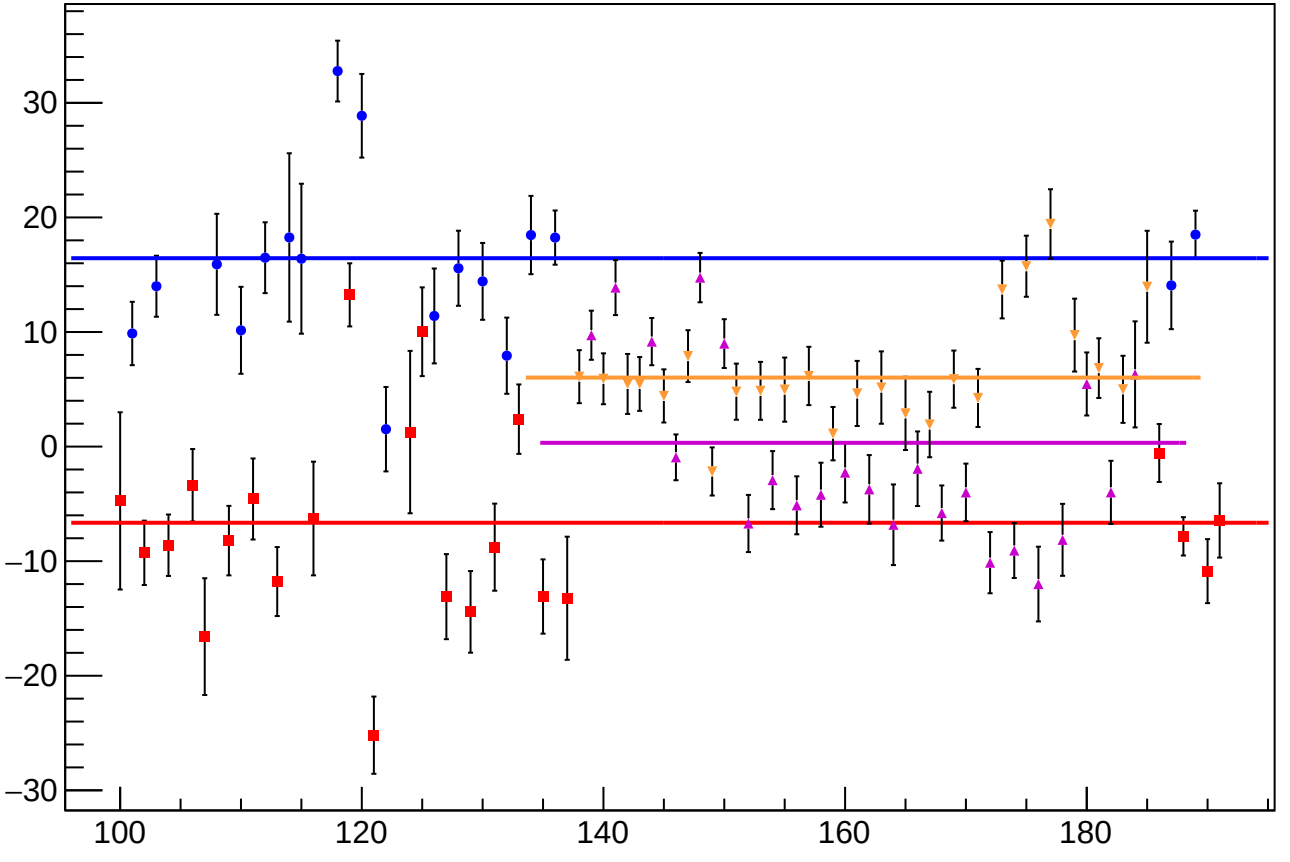
Left In: 2197.471+/-0.371 χ^2/NDF:1104663.4/22

+ sign 2206.130+/-0.303 χ^2/NDF: 1504645.8/42

All: 2178.269+/-0.211 χ^2/NDF: 3046888.1/88

- sign 2152.073+/-0.294 χ^2/NDF: 1525875.7/45

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: -6.648+/-0.665 χ^2/NDF: 143.1/22

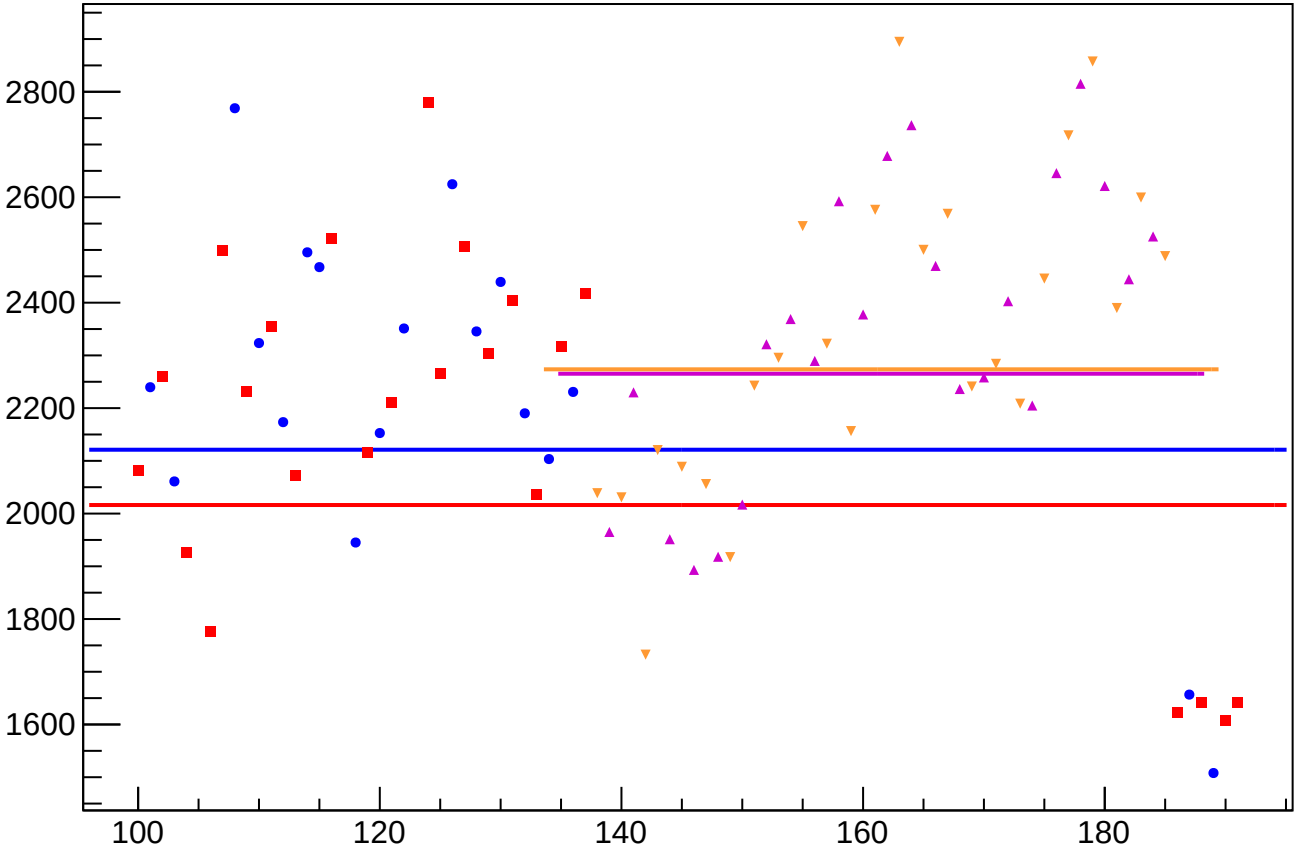
Left In: 0.329+/-0.535 χ^2/NDF:224.9/22

+ sign 9.341+/-0.430 χ^2/NDF: 285.2/42

All: 3.279+/-0.299 χ^2/NDF: 1105.5/88

- sign -2.412+/-0.417 χ^2/NDF: 434.9/45

diff_bpm0i01Y_rms vs Slug



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: 2016.243+/-0.470 χ^2/NDF: 453001.6/22

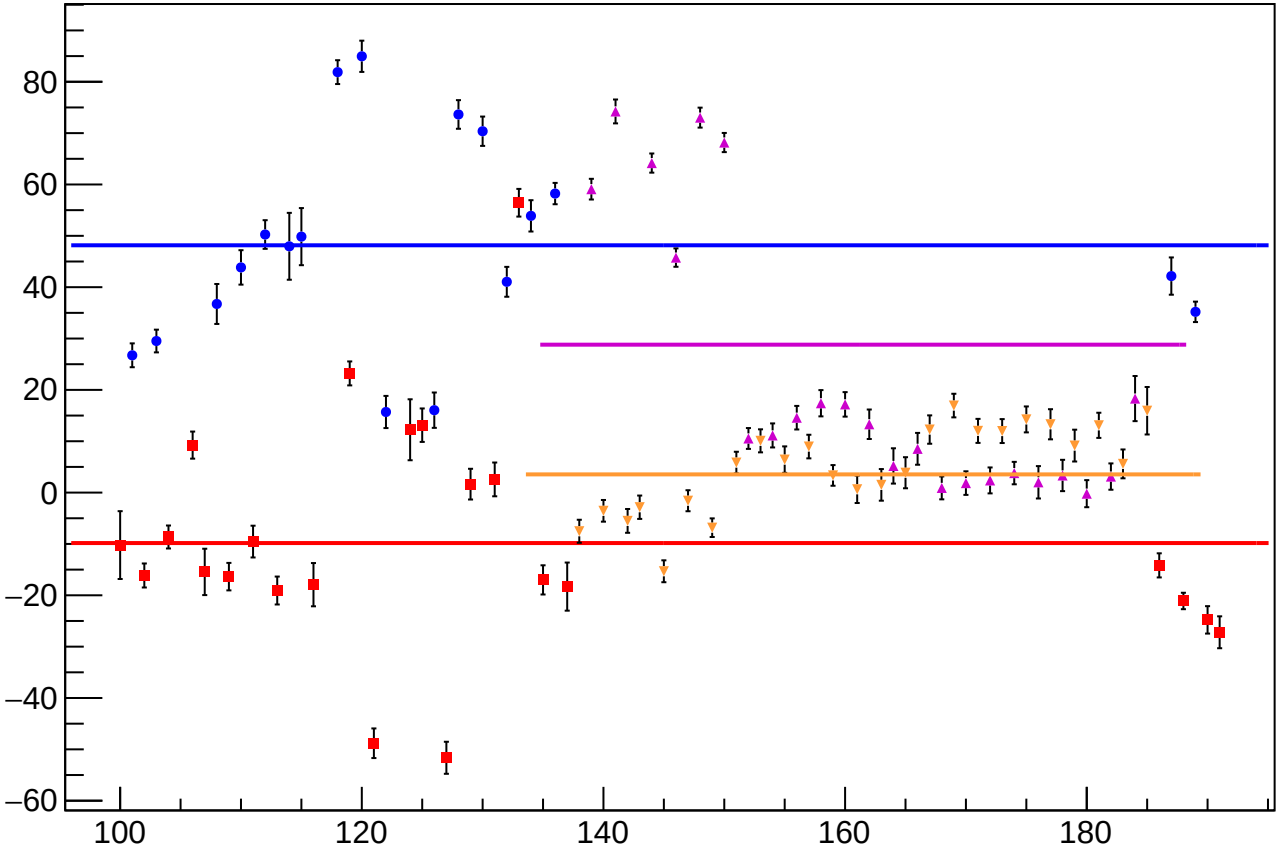
Left In: 2265.257+/-0.378 χ^2/NDF:495816.5/22

+ sign 2225.045+/-0.304 χ^2/NDF: 936856.7/42

All: 2195.338+/-0.212 χ^2/NDF: 2074633.7/88

- sign 2167.452+/-0.295 χ^2/NDF: 1119267.1/45

diff_bpm0i01aX_mean vs Slug



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: -9.827+/-0.588 χ^2/NDF: 1467.2/22

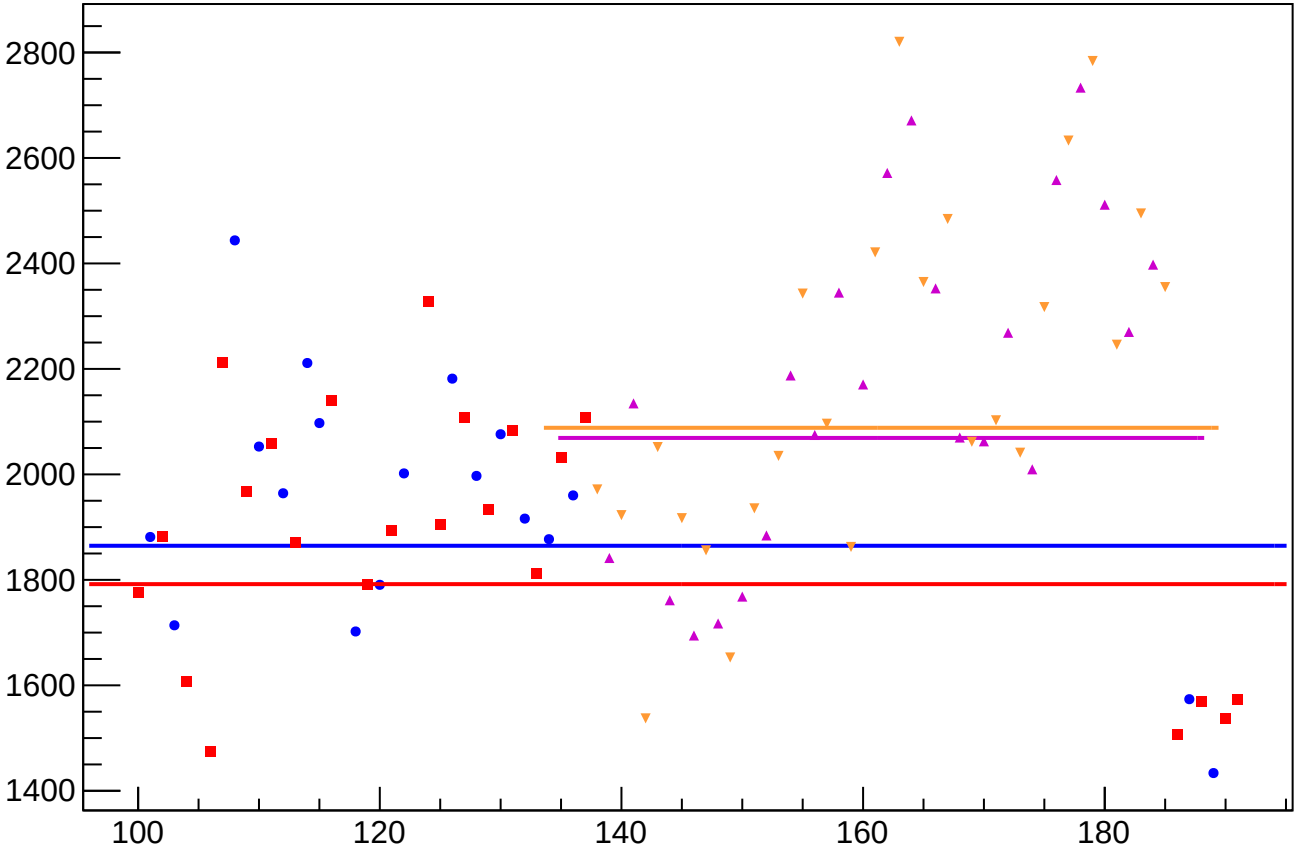
Left In: 28.804+/-0.491 χ^2/NDF:3262.5/22

+ sign 18.770+/-0.390 χ^2/NDF: 4205.6/42

All: 15.759+/-0.271 χ^2/NDF: 11593.7/88

- sign 12.945+/-0.377 χ^2/NDF: 7272.7/45

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: 1791.892+/-0.416 χ^2/NDF: 283865.3/22

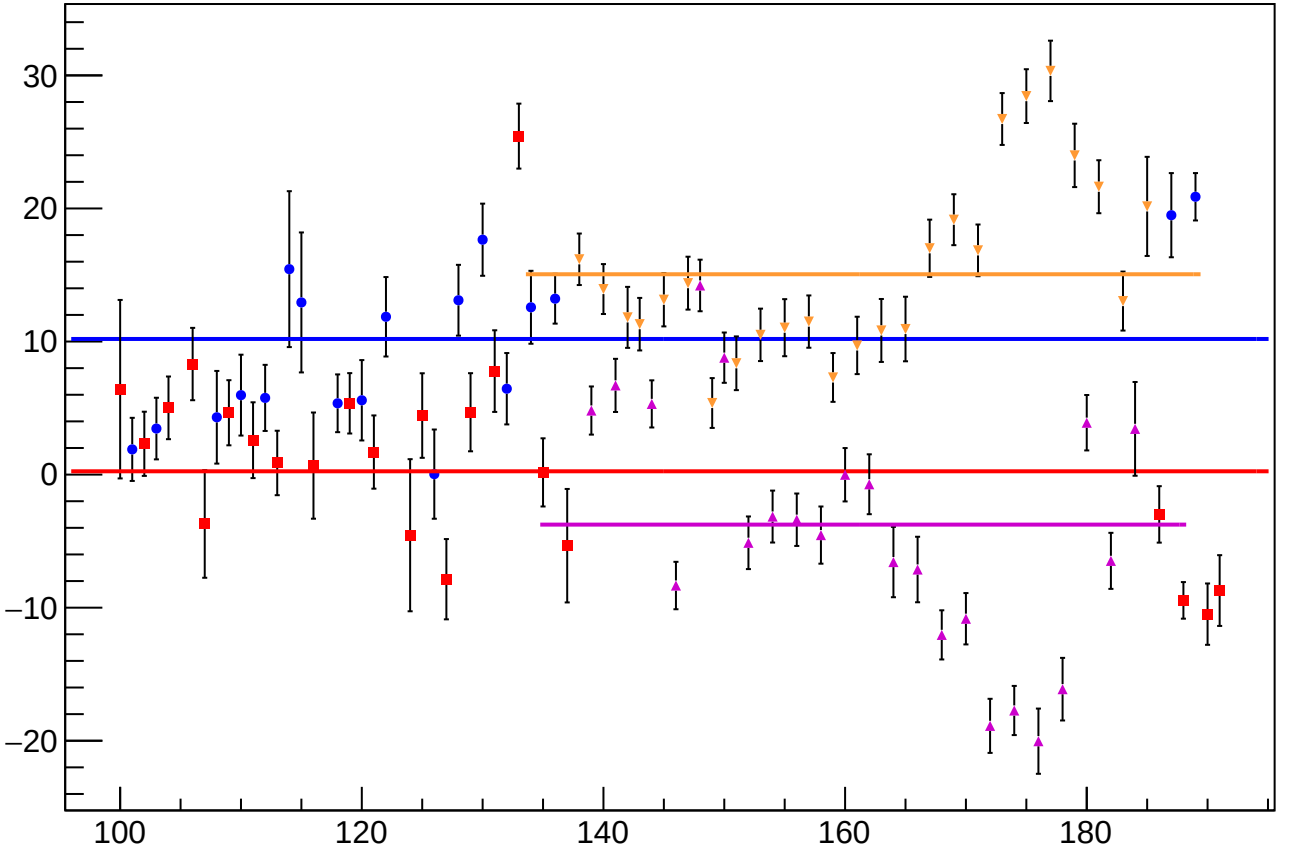
Left In: 2069.116+/-0.347 χ^2/NDF:711501.5/22

+ sign 2012.008+/-0.276 χ^2/NDF: 1165997.5/42

All: 1982.699+/-0.192 χ^2/NDF: 2445140.0/88

- sign 1955.304+/-0.266 χ^2/NDF: 1257267.4/45

diff_bpm0i01aY_mean vs Slug



Right In: 10.193+/-0.626 χ^2/NDF: 105.3/17

Left Out: 15.056+/-0.416 χ^2/NDF:246.2/24

Right Out: 0.249+/-0.547 χ^2/NDF: 236.1/22

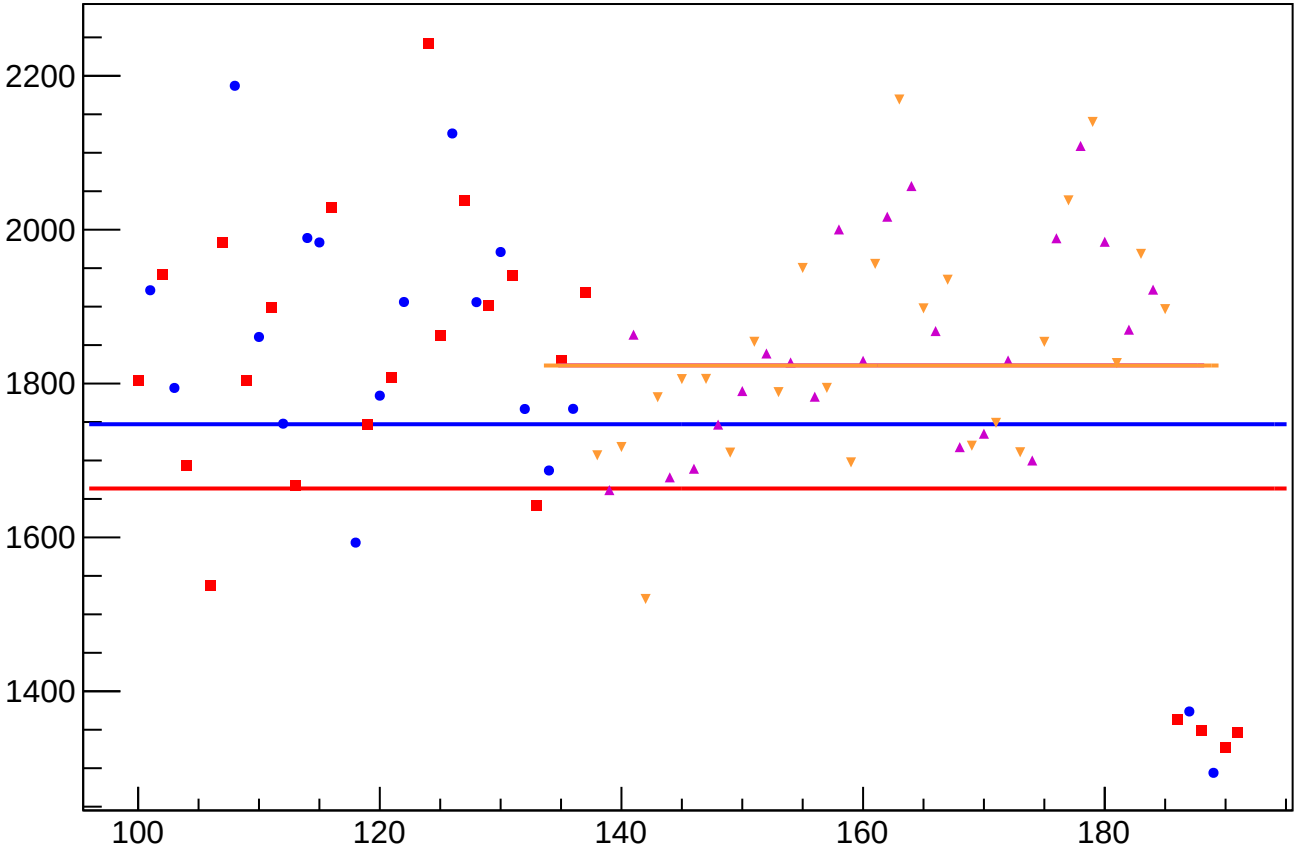
Left In: -3.758+/-0.428 χ^2/NDF:459.1/22

+ sign 13.566+/-0.346 χ^2/NDF: 393.4/42

All: 5.452+/-0.242 χ^2/NDF: 2191.7/88

- sign -2.238+/-0.337 χ^2/NDF: 728.4/45

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

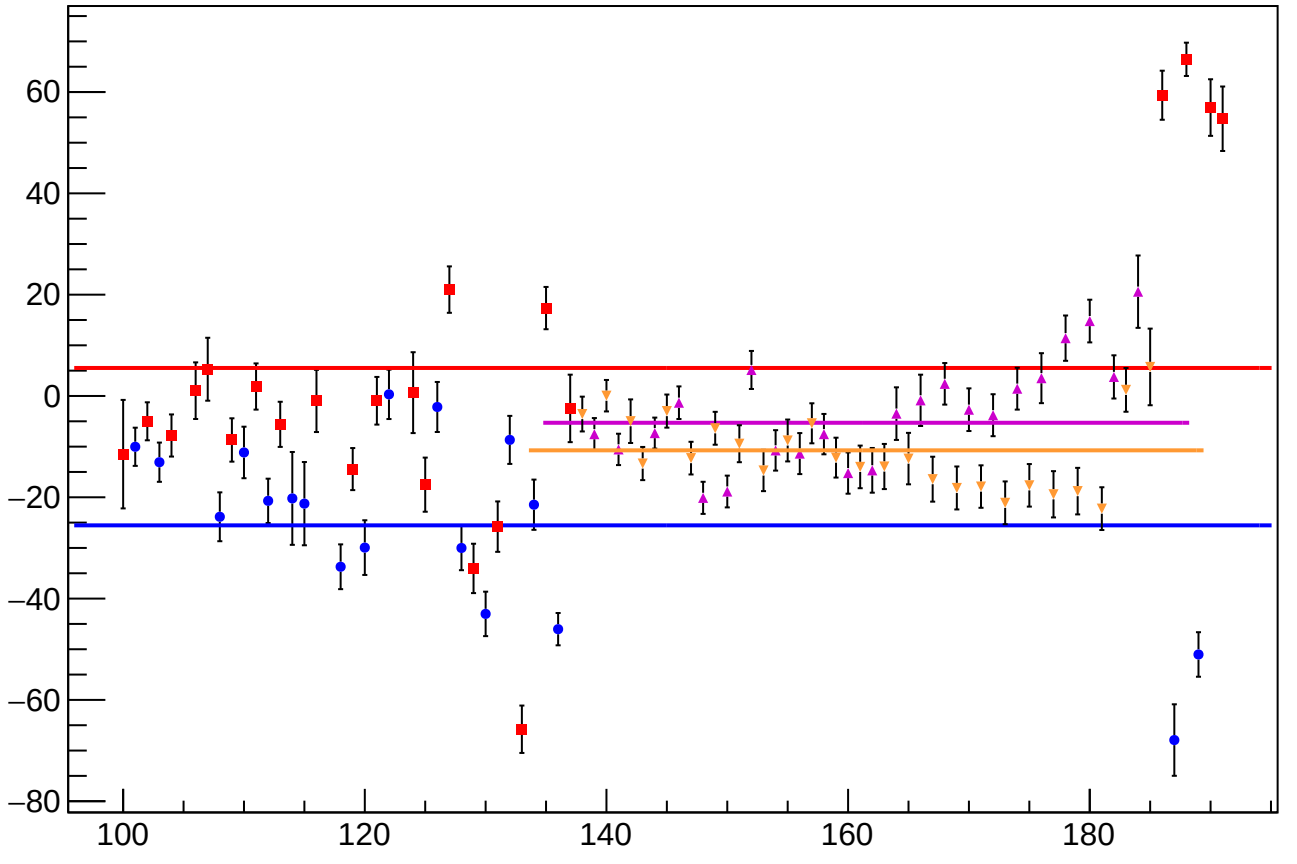
Right Out: 1663.588+/-0.387 χ^2/NDF: 409919.1/22

Left In: 1823.627+/-0.303 χ^2/NDF:163768.2/22

+ sign 1800.070+/-0.245 χ^2/NDF: 506652.7/42

All: 1780.997+/-0.171 χ^2/NDF: 1198325.2/88

- sign 1762.920+/-0.238 χ^2/NDF: 679849.6/45



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: 5.530+/-1.012 χ^2/NDF: 1054.7/22

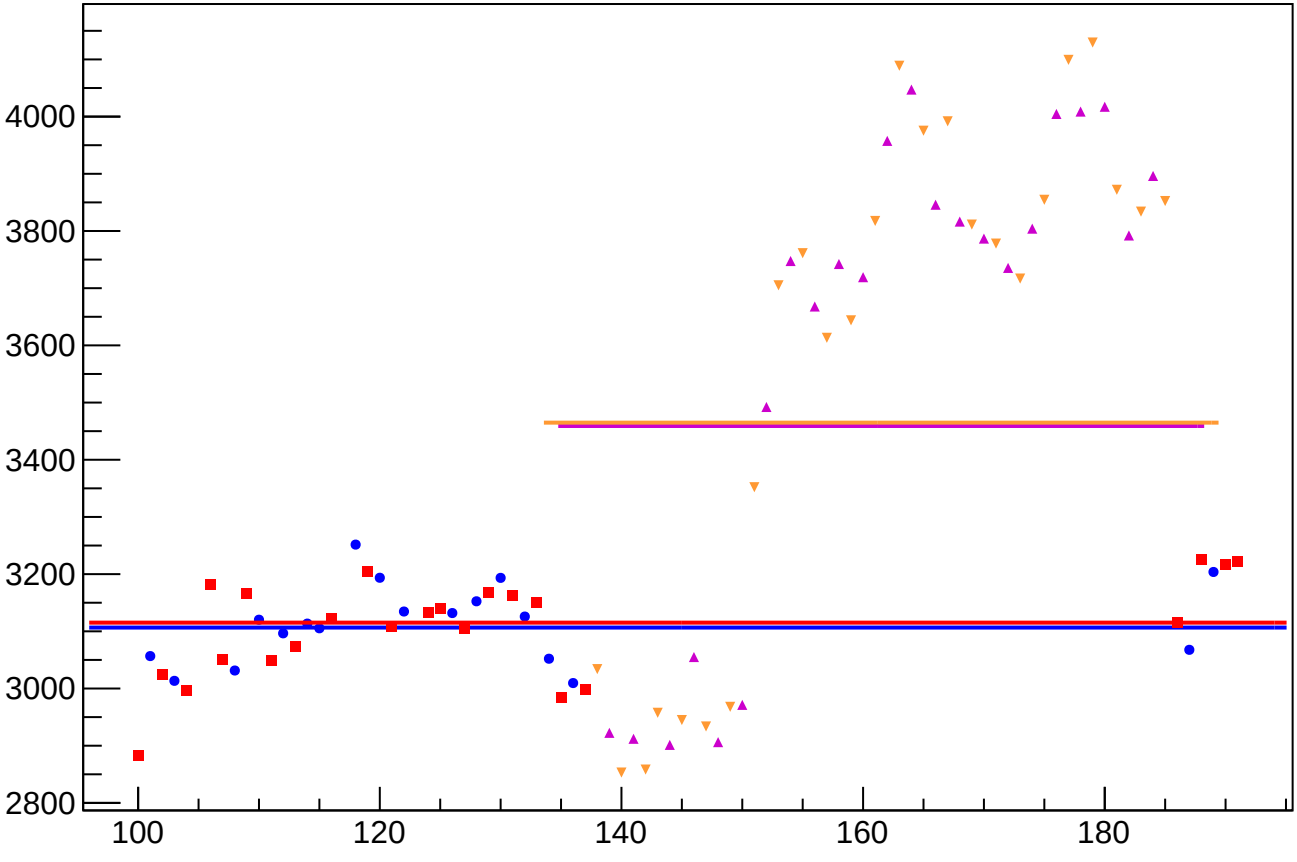
Left In: -5.291+/-0.814 χ^2/NDF:133.6/22

+ sign -15.799+/-0.644 χ^2/NDF: 426.0/42

All: -8.309+/-0.452 χ^2/NDF: 1950.4/88

- sign -1.038+/-0.634 χ^2/NDF: 1257.7/45

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: 3115.200+/-0.715 χ^2/NDF: 12718.8/22

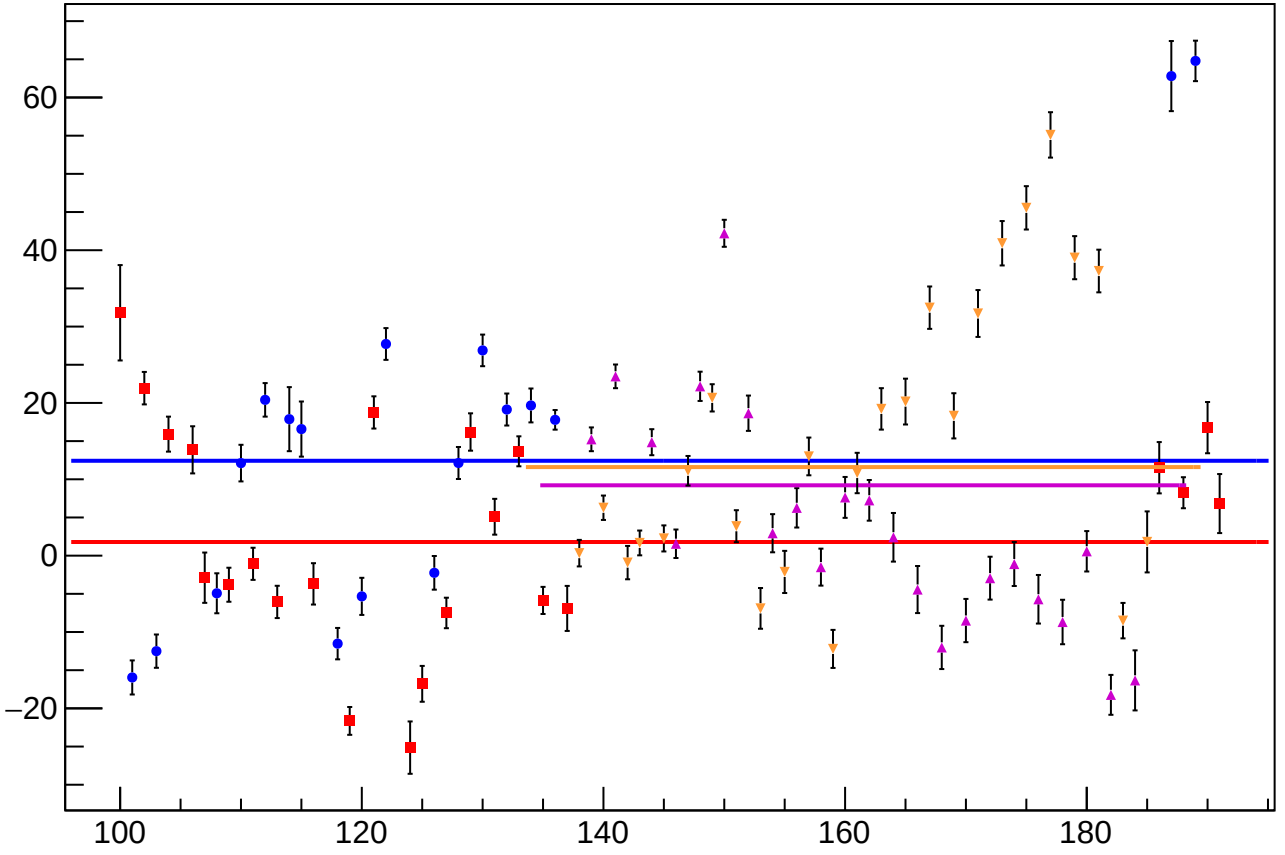
Left In: 3459.050+/-0.576 χ^2/NDF:583309.1/22

+ sign 3342.301+/-0.455 χ^2/NDF: 792442.3/42

All: 3332.961+/-0.320 χ^2/NDF: 1529471.7/88

- sign 3323.893+/-0.449 χ^2/NDF: 736199.8/45

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: 1.787+/-0.500 χ^2/NDF: 710.7/22

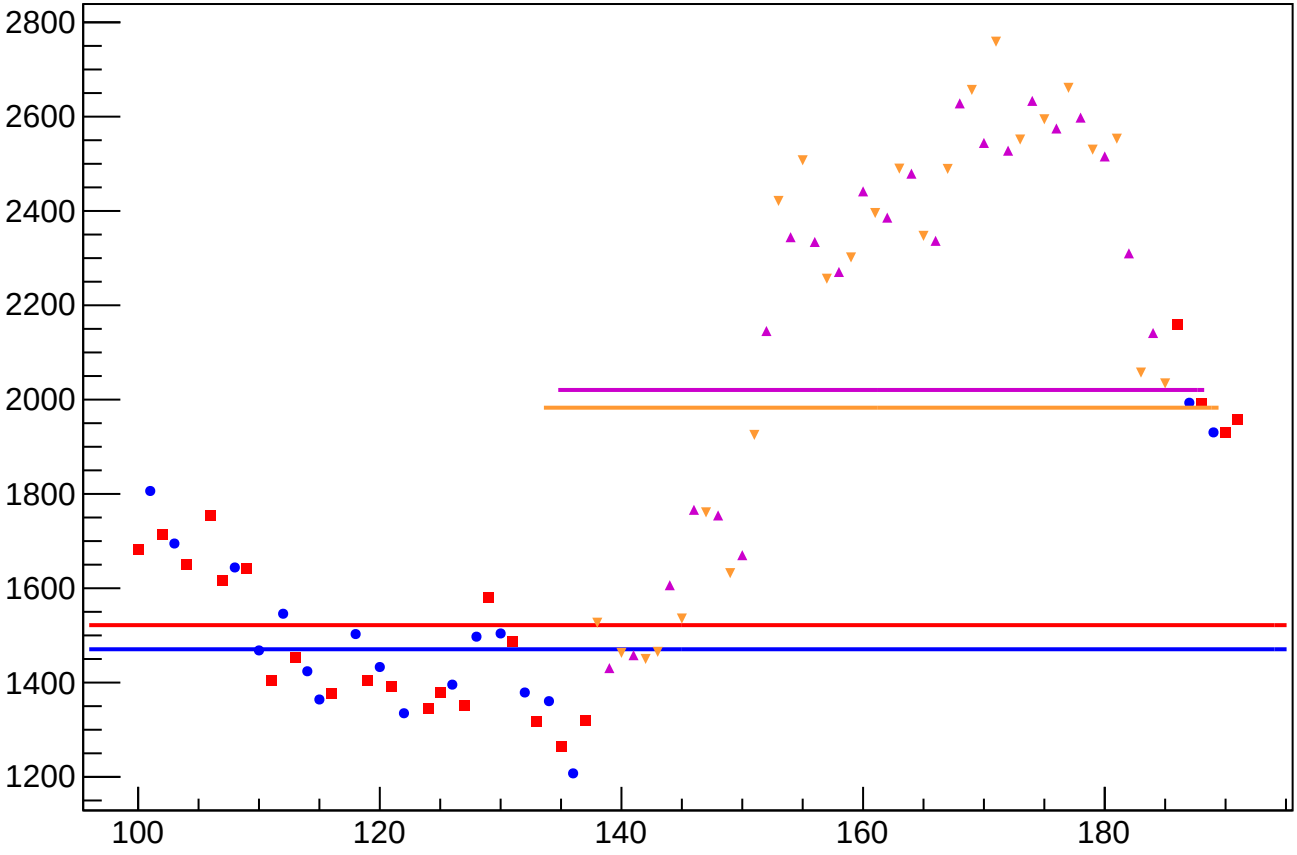
Left In: 9.213+/-0.484 χ^2/NDF:940.6/22

+ sign 11.959+/-0.348 χ^2/NDF: 2436.3/42

All: 8.792+/-0.246 χ^2/NDF: 4367.1/88

- sign 5.626+/-0.348 χ^2/NDF: 1765.1/45

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: 1521.778+/-0.354 χ^2/NDF: 408918.7/22

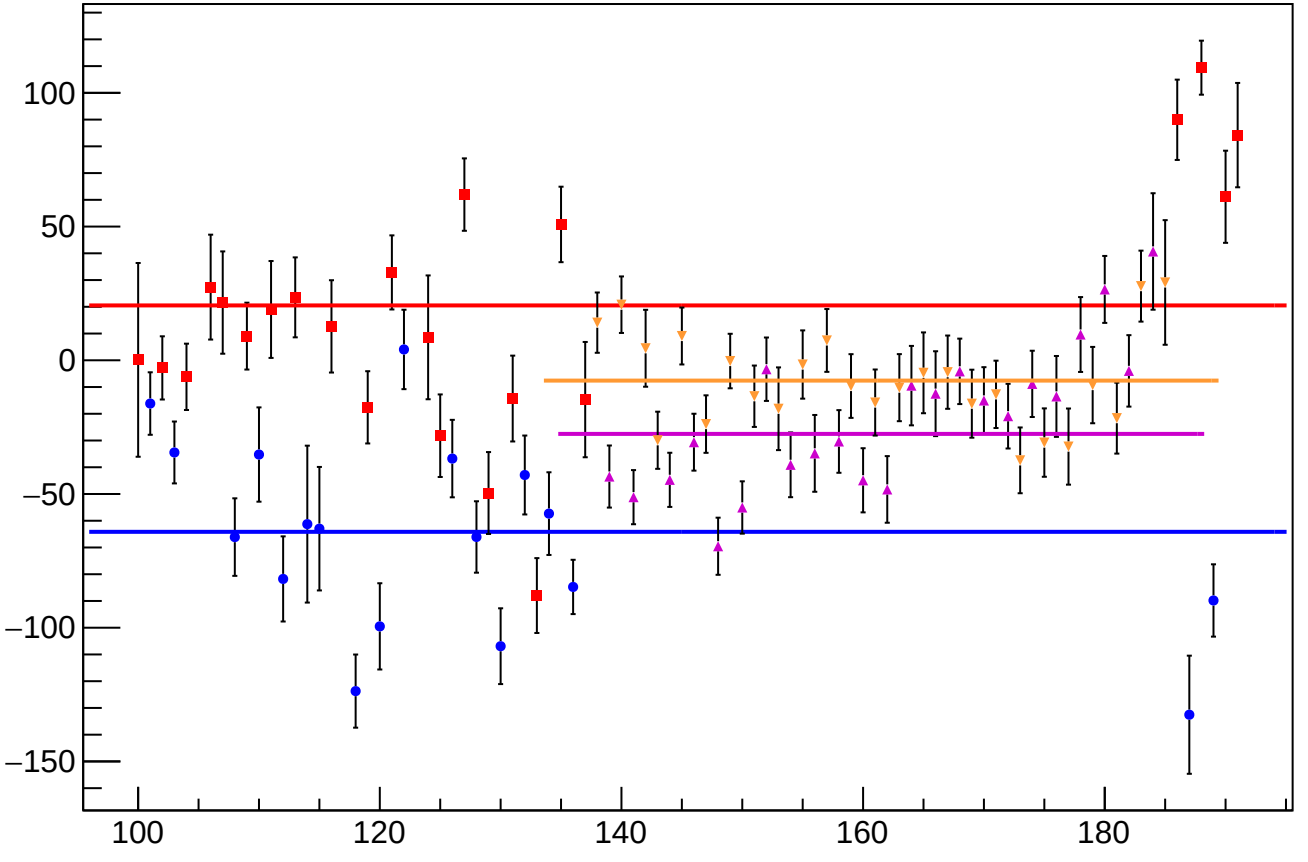
Left In: 2020.468+/-0.342 χ^2/NDF:1614691.2/22

+ sign 1759.432+/-0.246 χ^2/NDF: 3314626.5/42

All: 1769.506+/-0.174 χ^2/NDF: 6368039.4/88

- sign 1779.573+/-0.246 χ^2/NDF: 3050061.4/45

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: 20.514+/-3.164 χ^2/NDF: 246.5/22

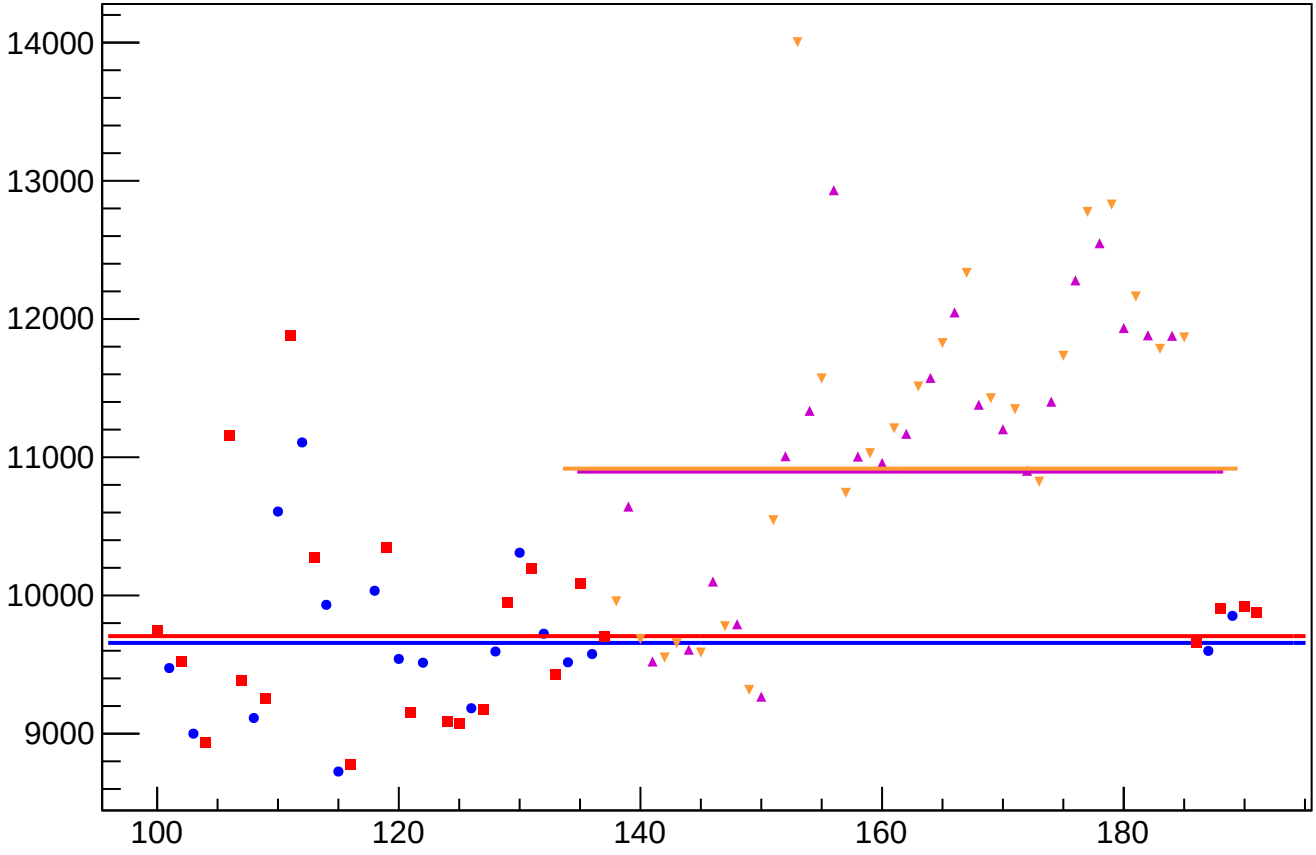
Left In: -27.528+/-2.556 χ^2/NDF:93.0/22

+ sign -27.139+/-2.018 χ^2/NDF: 330.0/42

All: -17.706+/-1.416 χ^2/NDF: 852.1/88

- sign -8.551+/-1.988 χ^2/NDF: 479.0/45

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: 9705.803+/-2.237 χ^2/NDF: 81361.3/22

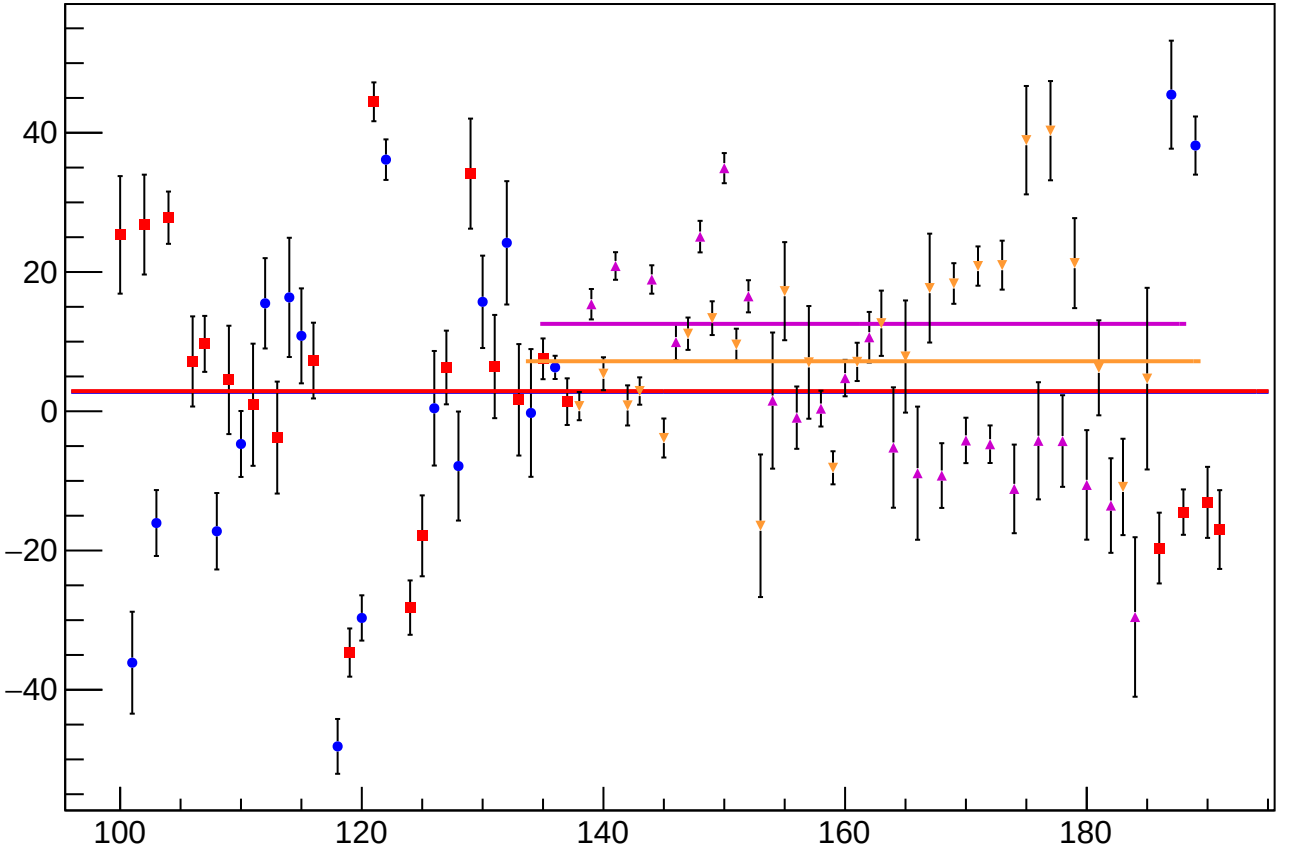
Left In: 10895.992+/-1.808 χ^2/NDF:298059.2/22

+ sign 10481.897+/-1.427 χ^2/NDF: 646957.2/42

All: 10453.455+/-1.002 χ^2/NDF: 1198395.4/8

- sign 10425.849+/-1.406 χ^2/NDF: 550655.5/45

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: 2.893+/-0.967 χ^2/NDF: 572.0/22

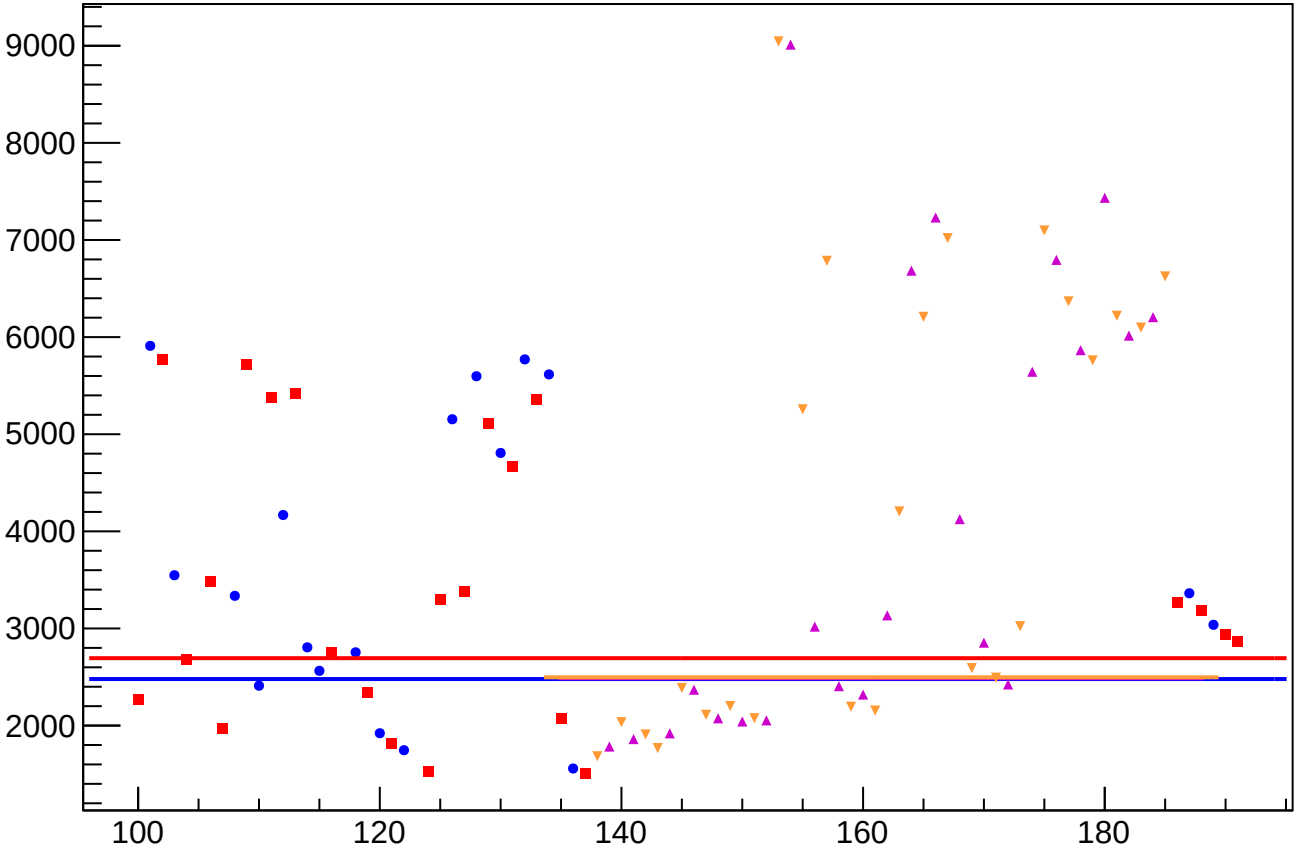
Left In: 12.553+/-0.661 χ^2/NDF:372.1/22

+ sign 5.878+/-0.548 χ^2/NDF: 799.1/42

All: 7.687+/-0.387 χ^2/NDF: 1832.9/88

- sign 9.478+/-0.545 χ^2/NDF: 1012.2/45

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: 2694.048+/-0.684 χ^2/NDF: 2608231.6/22

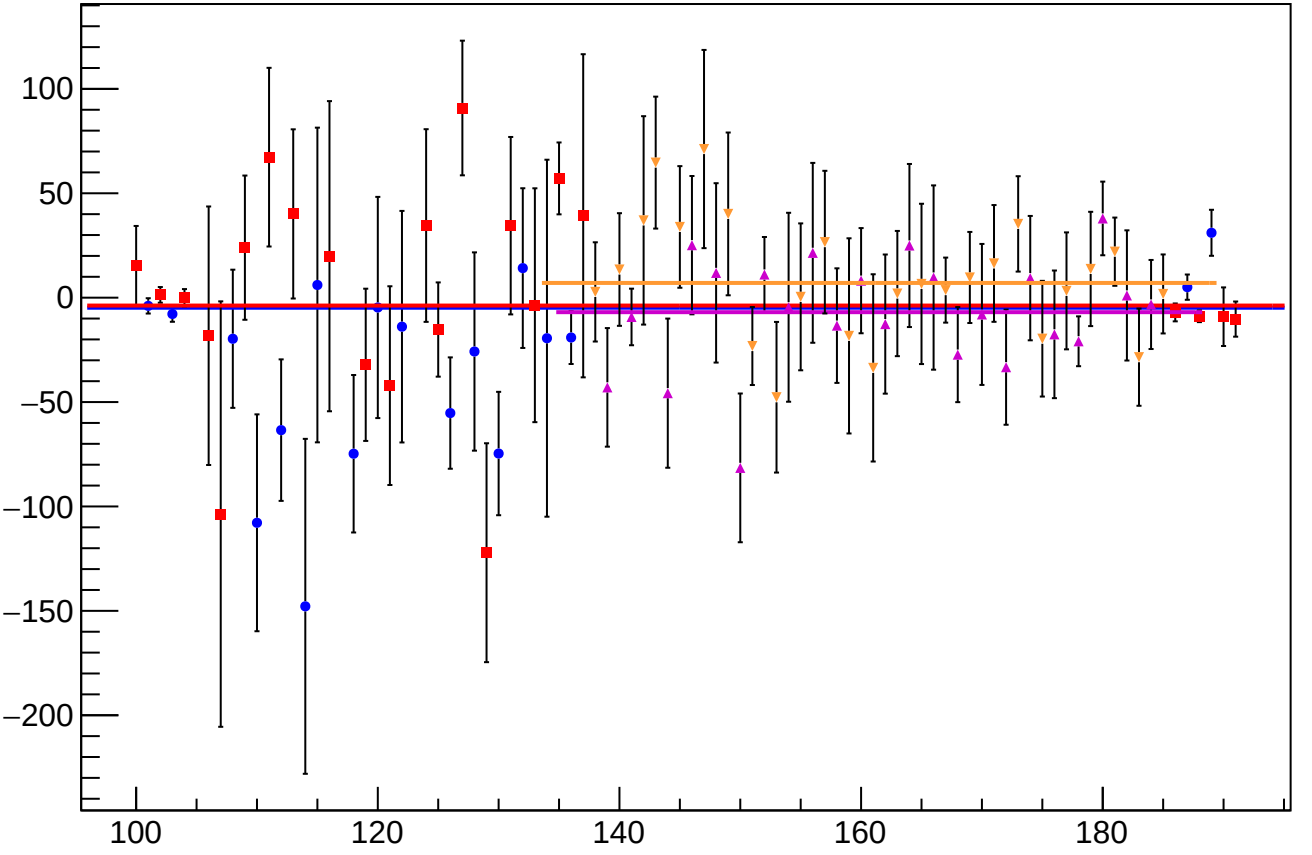
Left In: 2487.721+/-0.467 χ^2/NDF:6103466.5/22

+ sign 2491.546+/-0.388 χ^2/NDF: 10088057.8/42

All: 2522.615+/-0.273 χ^2/NDF: 18874658.0/8

- sign 2553.387+/-0.386 χ^2/NDF: 8773804.9/45

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: -3.780+/-1.703 χ^2/NDF: 43.6/22

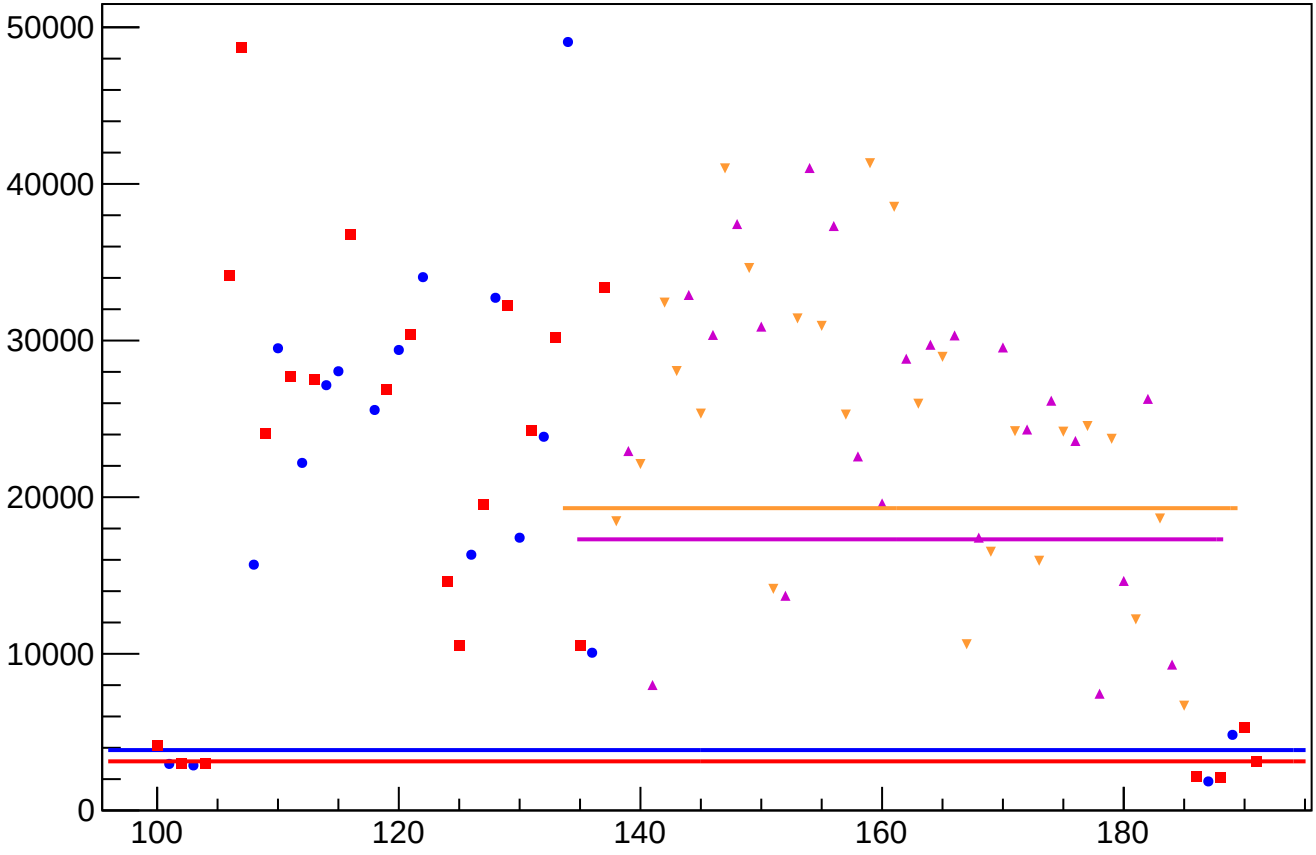
Left In: -6.944+/-5.090 χ^2/NDF:21.1/22

+ sign -2.937+/-2.075 χ^2/NDF: 62.6/42

All: -3.661+/-1.275 χ^2/NDF: 127.8/88

- sign -4.099+/-1.615 χ^2/NDF: 65.1/45

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: 3135.292+/-1.204 χ^2/NDF: 8476662.5/22

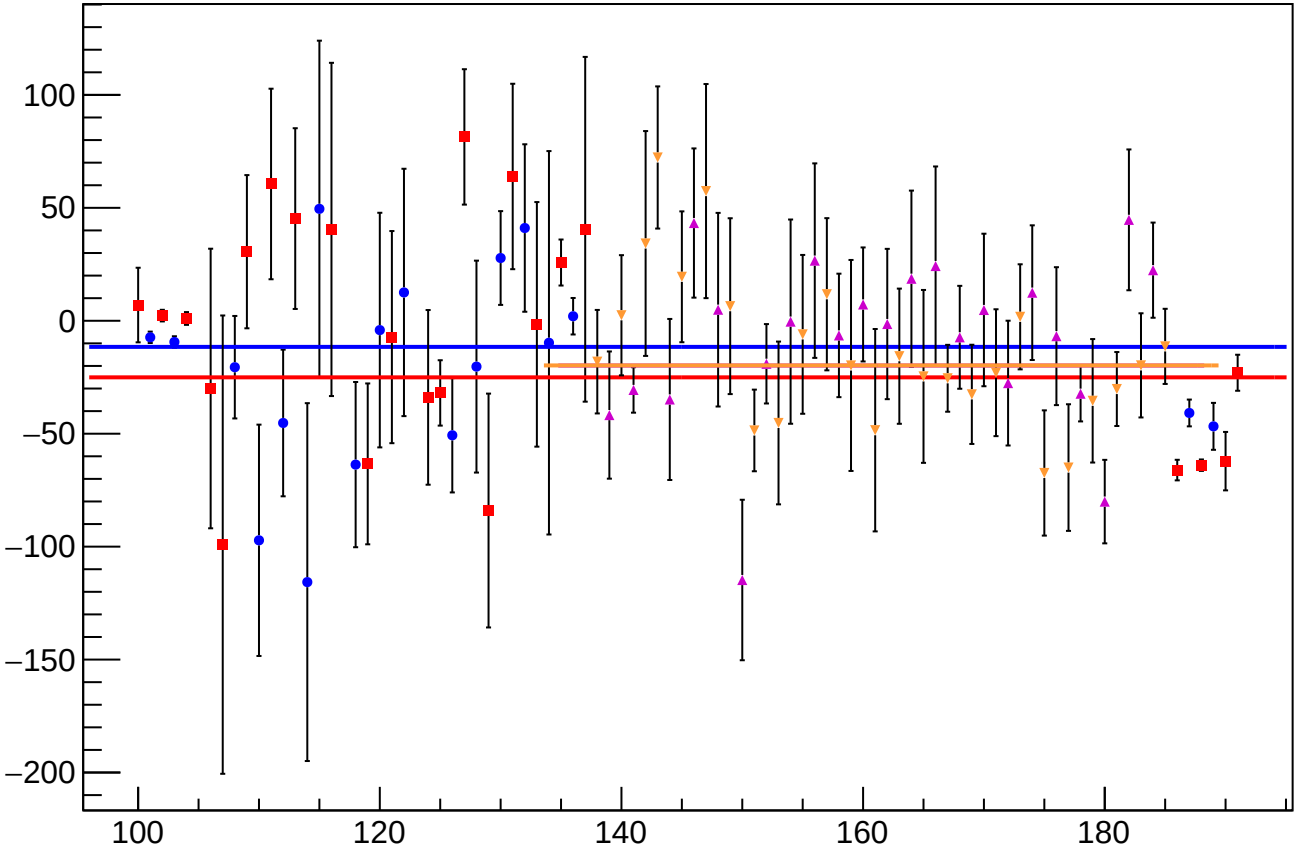
Left In: 17309.081+/-3.600 χ^2/NDF:6719993.9/22

+ sign 6288.477+/-1.467 χ^2/NDF: 26842664.0/42

All: 5213.321+/-0.901 χ^2/NDF: 56845931.8/8

- sign 4562.075+/-1.142 χ^2/NDF: 29141231.2/45

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

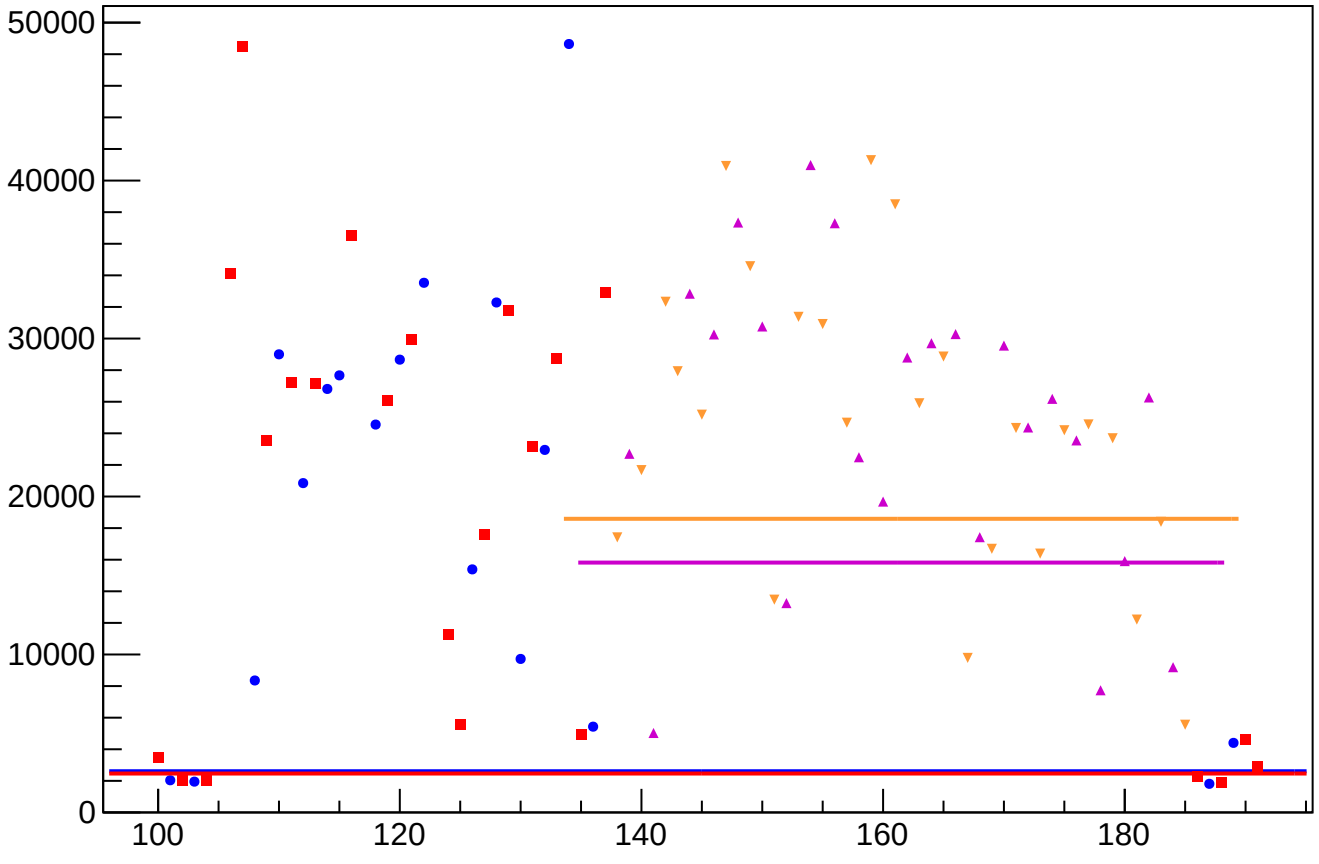
Right Out: -25.047+/-1.377 χ^2/NDF: 584.8/22

Left In: -19.822+/-4.846 χ^2/NDF:40.3/22

+ sign -12.317+/-1.555 χ^2/NDF: 89.0/42

All: -19.468+/-1.008 χ^2/NDF: 751.6/88

- sign -24.657+/-1.324 χ^2/NDF: 626.1/45



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: 2464.026+/-0.973 χ^2/NDF: 8201221.5/22

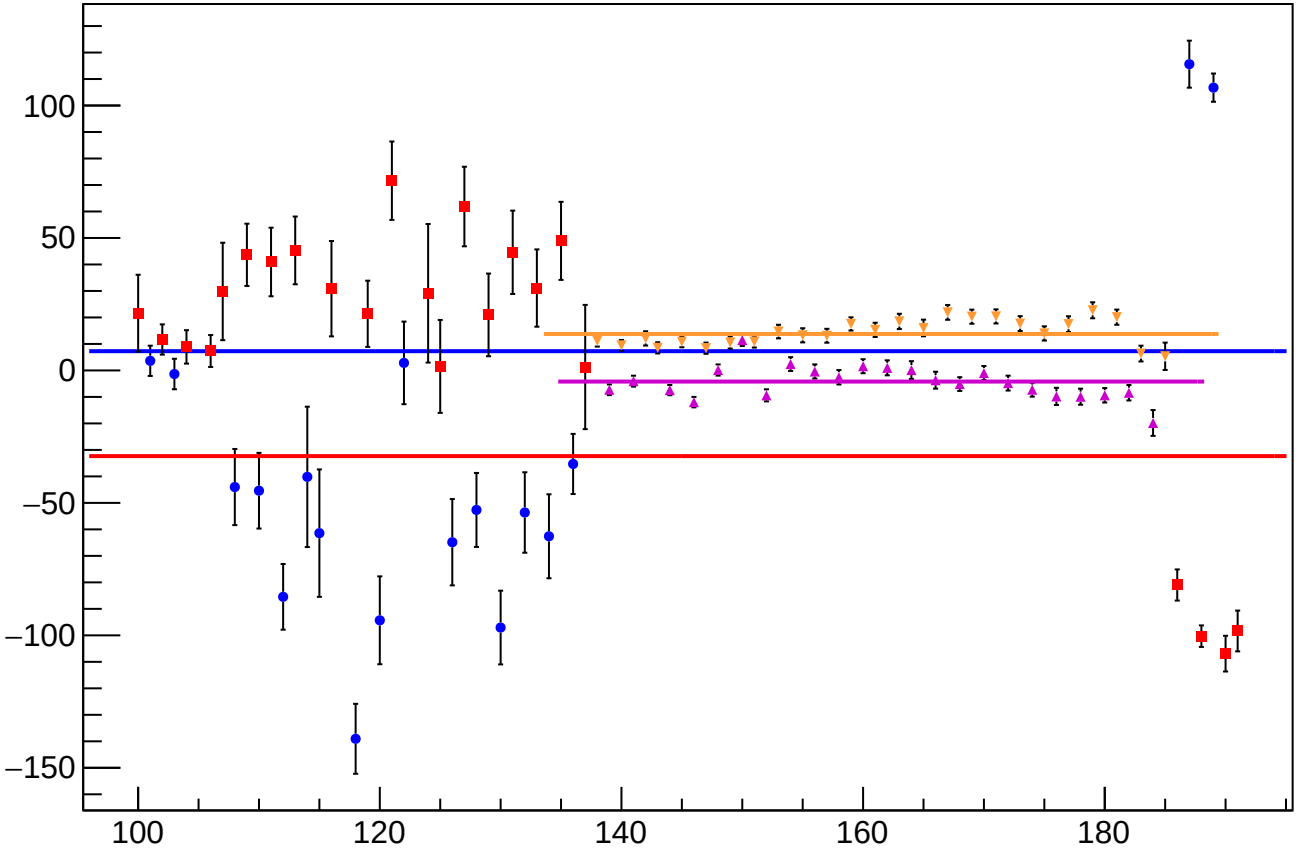
Left In: 15817.655+/-3.426 χ^2/NDF:8406830.8/22

+ sign 4083.945+/-1.099 χ^2/NDF: 30283156.2/42

All: 3723.186+/-0.713 χ^2/NDF: 61131847.9/8

- sign 3461.414+/-0.936 χ^2/NDF: 30662843.9/45

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: -32.341+/-1.885 χ^2/NDF: 1041.4/22

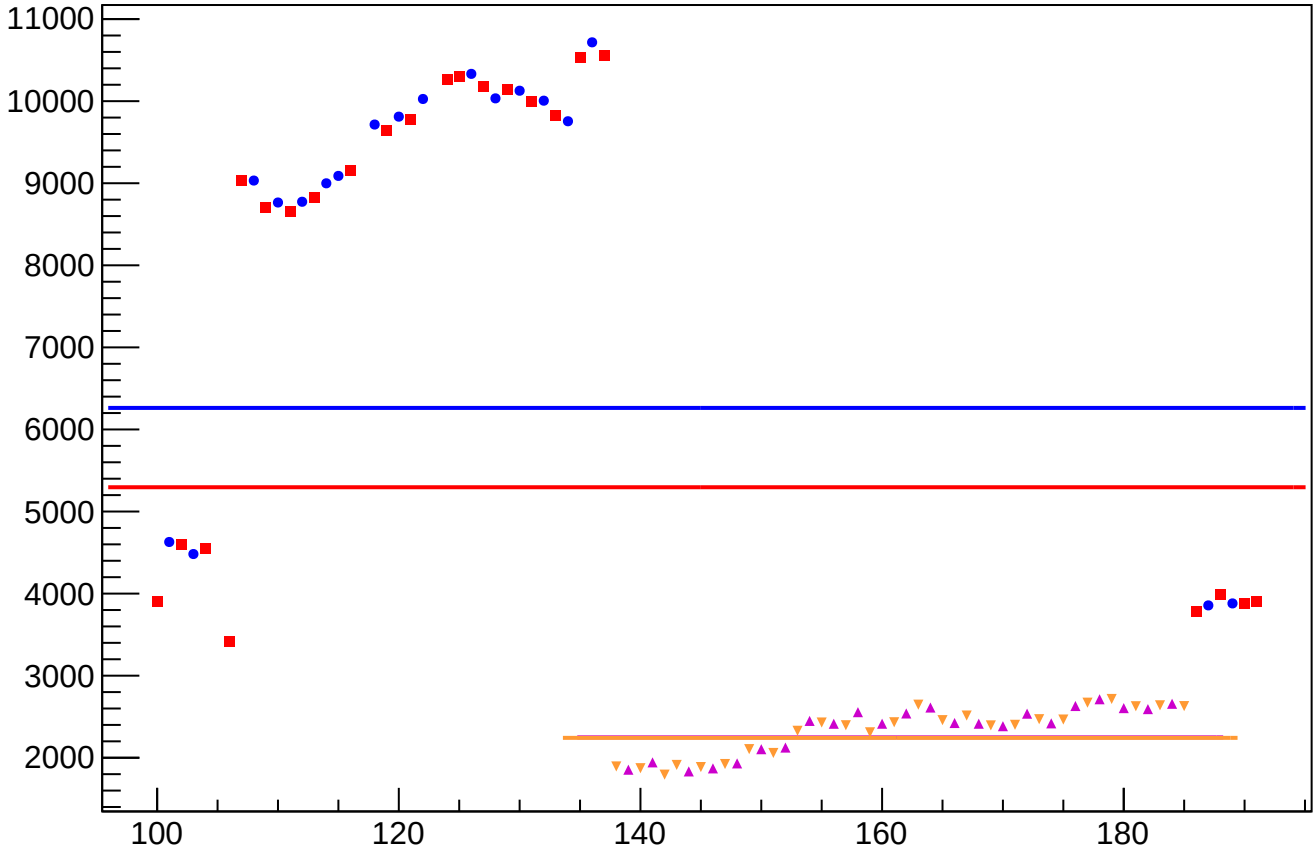
Left In: -4.202+/-0.530 χ^2/NDF:123.9/22

+ sign 13.479+/-0.503 χ^2/NDF: 982.5/42

All: 3.755+/-0.358 χ^2/NDF: 3113.8/88

- sign -6.263+/-0.510 χ^2/NDF: 1371.7/45

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: 5295.899+/-1.333 χ^2/NDF: 3184986.8/22

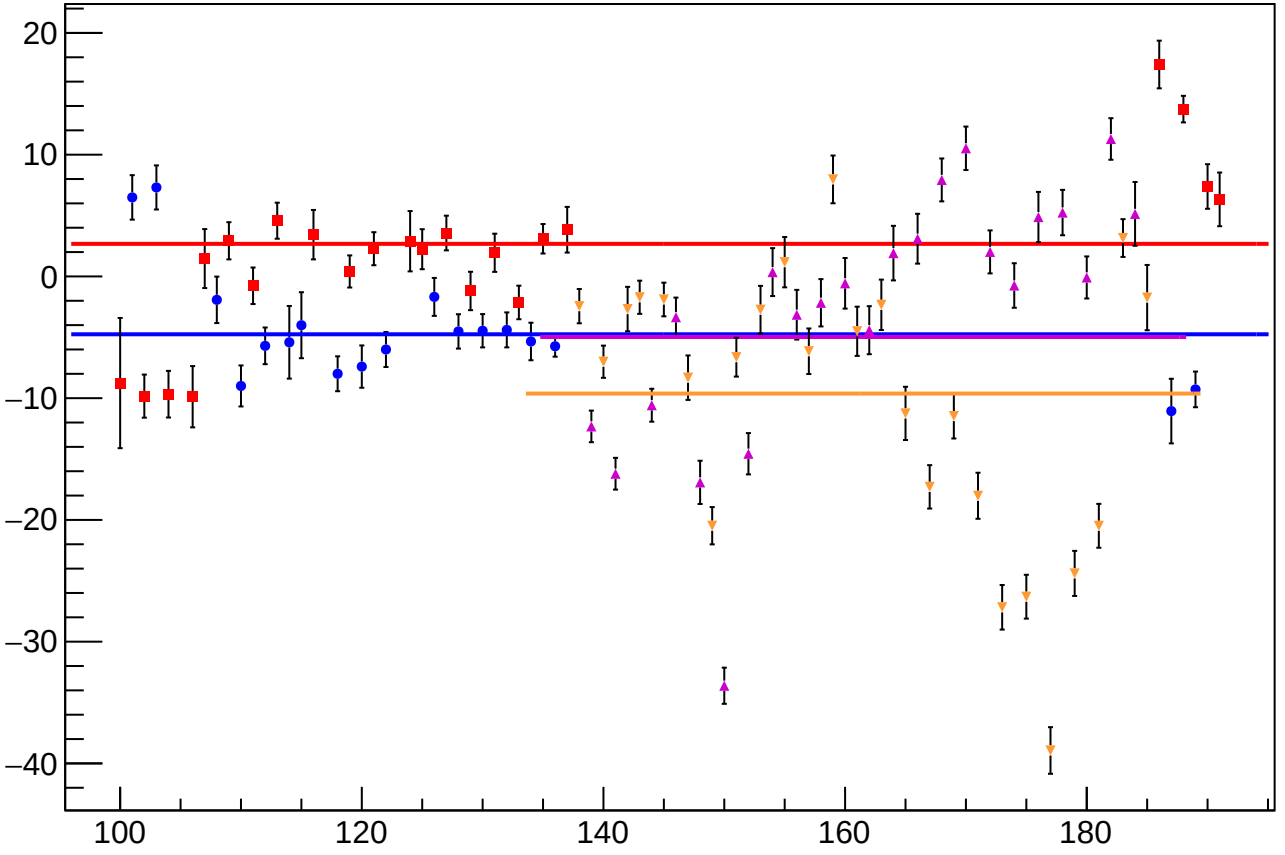
Left In: 2248.582+/-0.375 χ^2/NDF:642255.3/22

+ sign 2416.868+/-0.355 χ^2/NDF: 8434345.4/42

All: 2443.917+/-0.253 χ^2/NDF: 17114949.6/8

- sign 2471.786+/-0.361 χ^2/NDF: 8668849.0/45

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

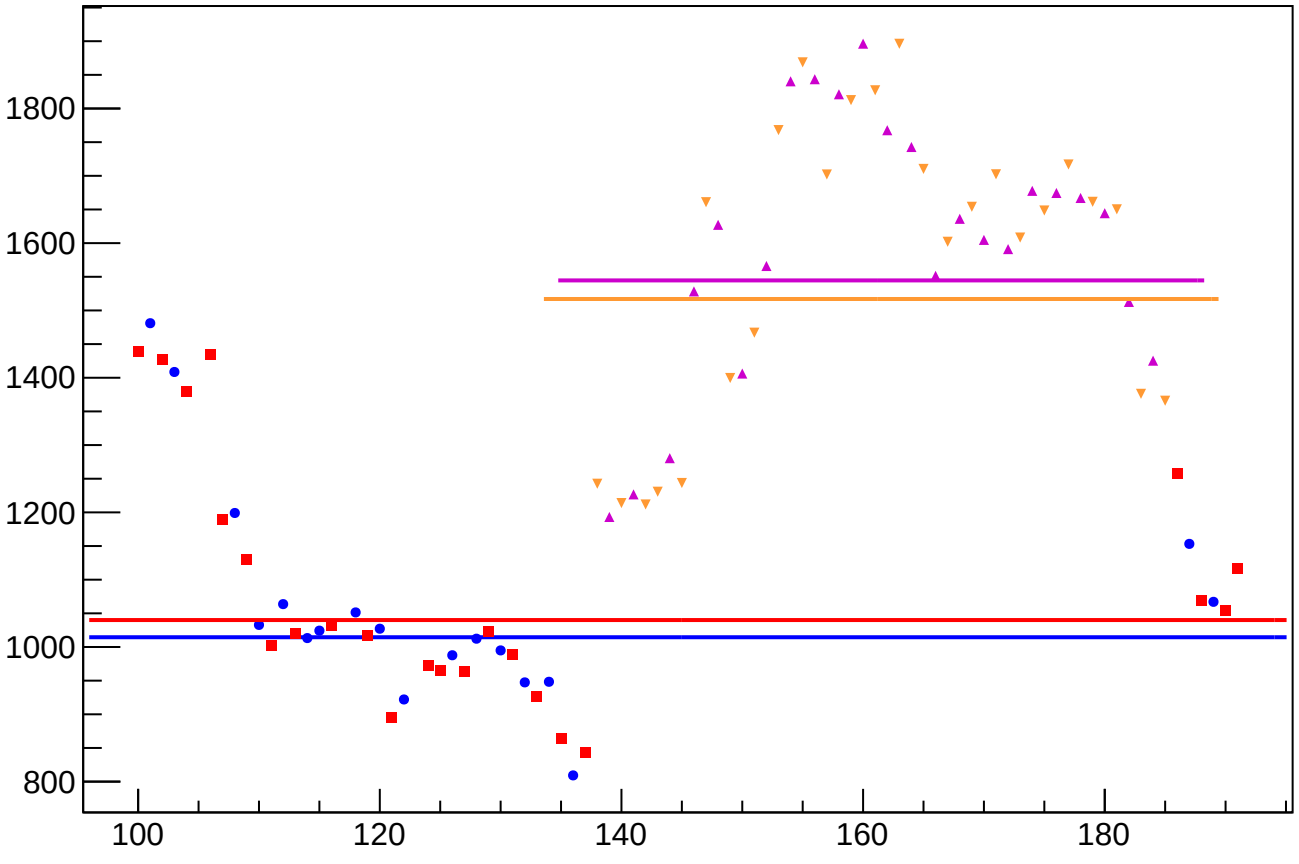
Right Out: 2.675+/-0.341 χ^2/NDF: 319.7/22

Left In: -4.974+/-0.365 χ^2/NDF:929.8/22

+ sign -7.290+/-0.252 χ^2/NDF: 1147.7/42

All: -4.058+/-0.177 χ^2/NDF: 2956.9/88

- sign -0.898+/-0.249 χ^2/NDF: 1484.0/45



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: 1040.034+/-0.241 χ^2/NDF: 377712.2/22

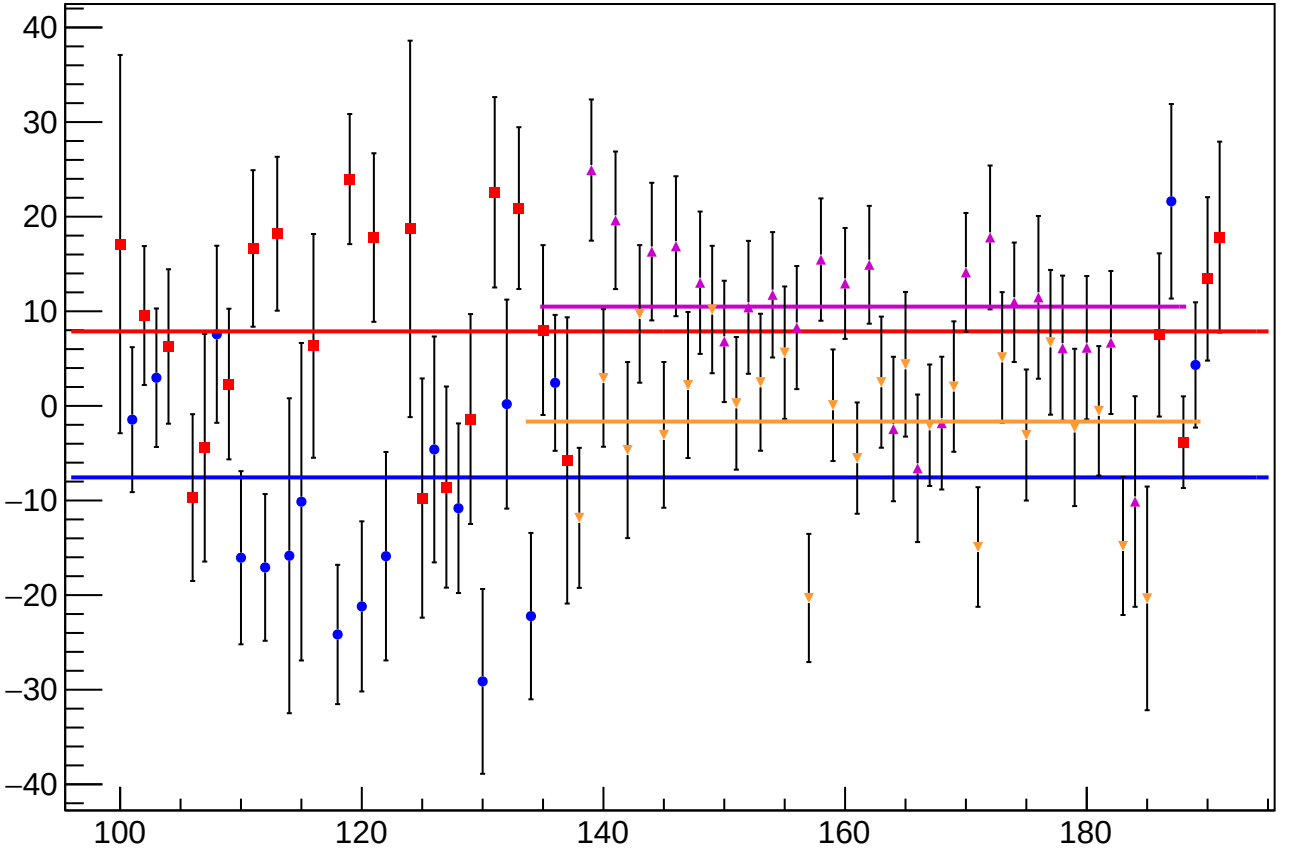
Left In: 1544.620+/-0.258 χ^2/NDF:638659.4/22

+ sign 1276.322+/-0.178 χ^2/NDF: 3205258.3/42

All: 1276.033+/-0.125 χ^2/NDF: 6262615.7/88

- sign 1275.751+/-0.176 χ^2/NDF: 3057352.2/45

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: 7.876+/-1.865 χ^2/NDF: 33.1/22

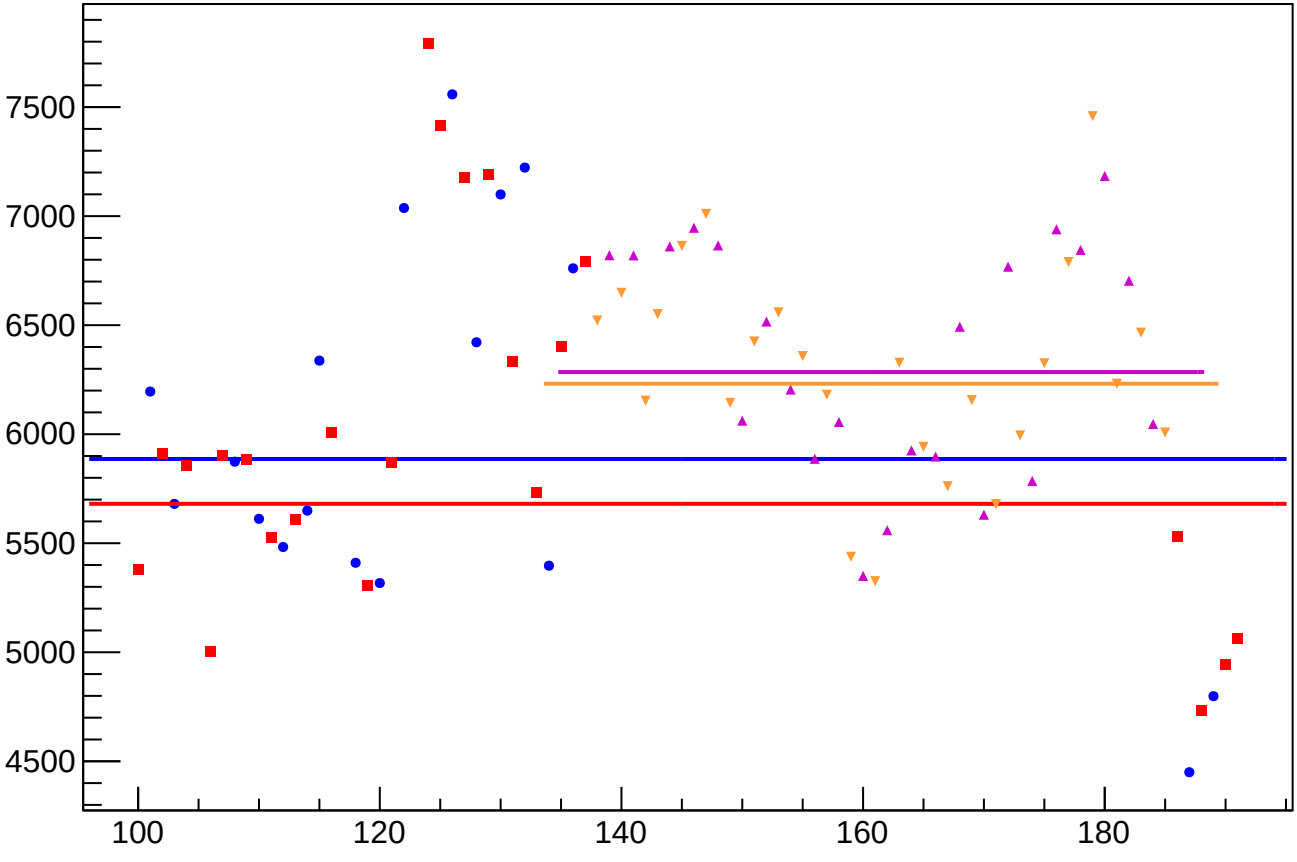
Left In: 10.492+/-1.480 χ^2/NDF:24.9/22

+ sign -3.507+/-1.182 χ^2/NDF: 74.3/42

All: 3.112+/-0.827 χ^2/NDF: 195.1/88

- sign 9.481+/-1.159 χ^2/NDF: 59.3/45

diff_bpm0l05X_rms vs Slug



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: 5680.816+/-1.319 χ^2/NDF: 294457.8/22

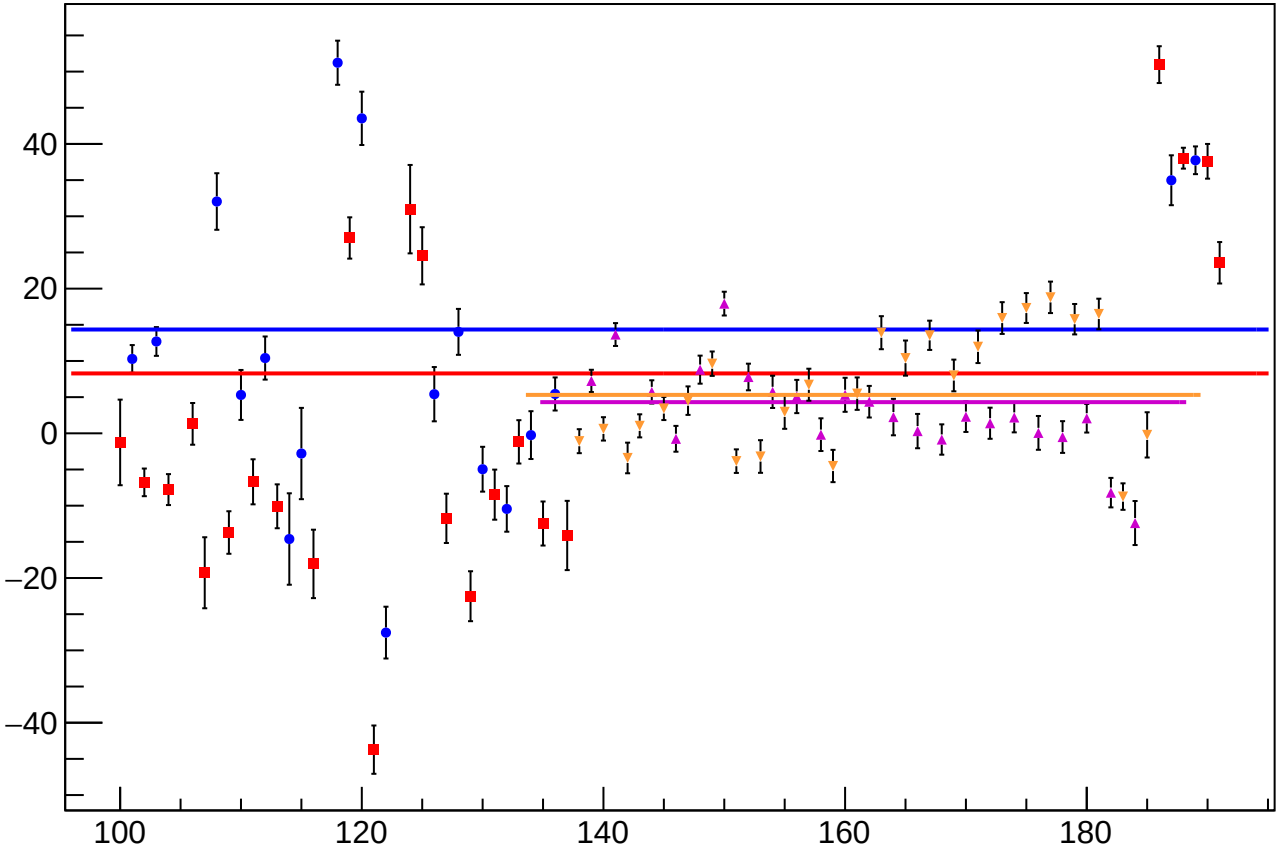
Left In: 6285.058+/-1.046 χ^2/NDF:265370.2/22

+ sign 6123.288+/-0.836 χ^2/NDF: 551138.0/42

All: 6086.748+/-0.585 χ^2/NDF: 1243576.5/88

- sign 6051.588+/-0.820 χ^2/NDF: 688685.8/45

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: 8.279+/-0.597 χ^2/NDF: 1722.2/22

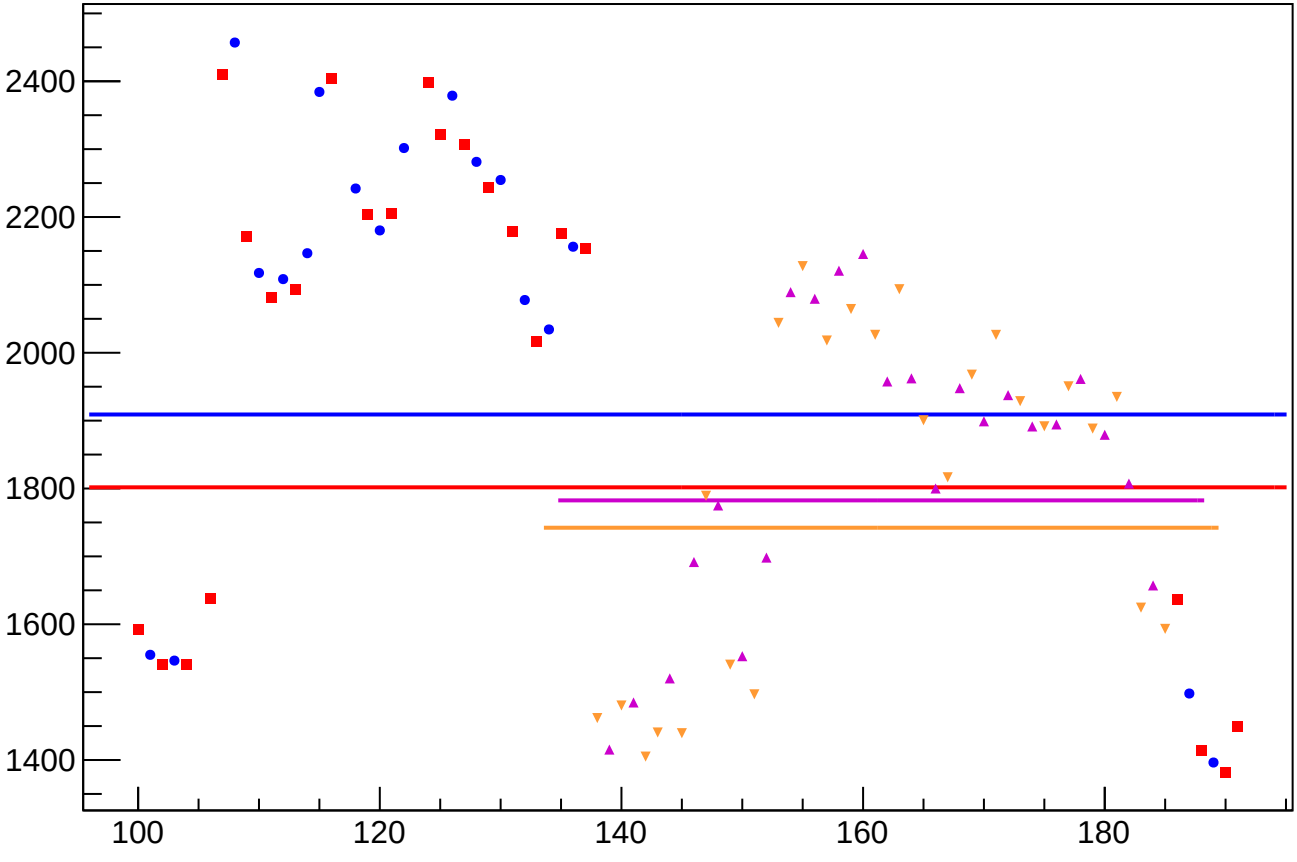
Left In: 4.310+/-0.420 χ^2/NDF:220.4/22

+ sign 7.597+/-0.346 χ^2/NDF: 1241.4/42

All: 6.604+/-0.244 χ^2/NDF: 3229.9/88

- sign 5.624+/-0.344 χ^2/NDF: 1972.1/45

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: 1801.742+/-0.422 χ^2/NDF: 724818.1/22

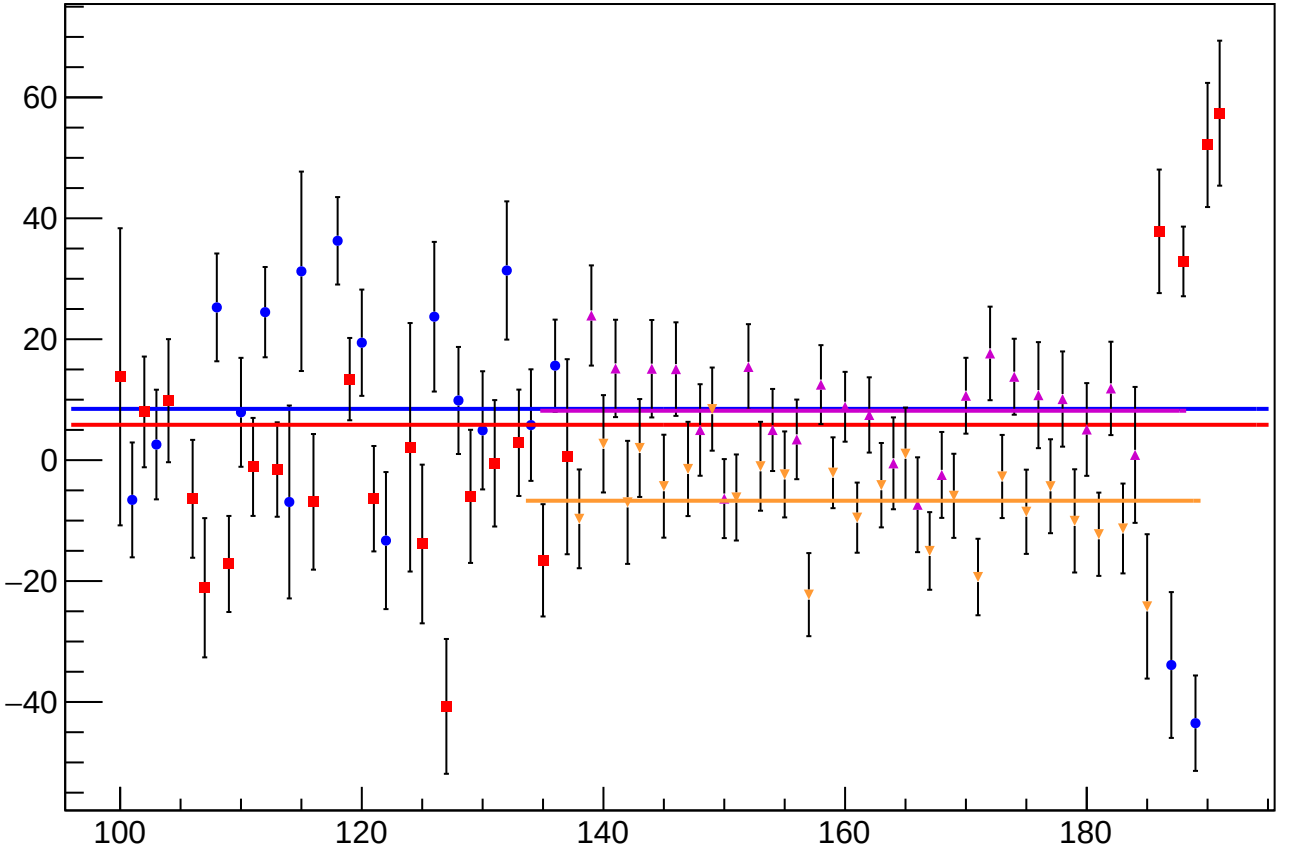
Left In: 1782.502+/-0.297 χ^2/NDF:534374.9/22

+ sign 1784.395+/-0.245 χ^2/NDF: 1405966.7/42

All: 1786.651+/-0.172 χ^2/NDF: 2666717.6/88

- sign 1788.874+/-0.243 χ^2/NDF: 1260582.2/45

diff_bpm0l06X_mean vs Slug



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: 5.846+/-2.002 χ^2/NDF: 119.8/22

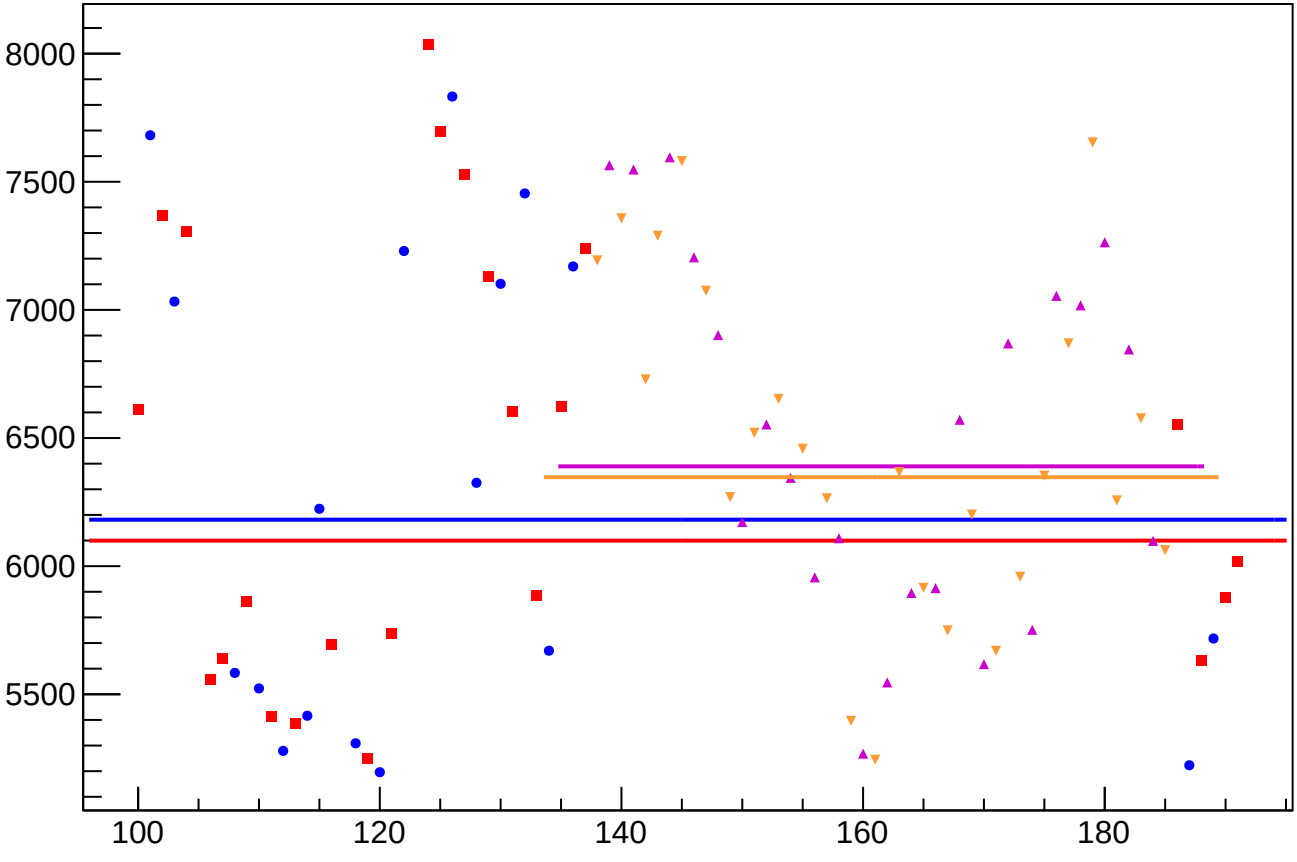
Left In: 8.171+/-1.510 χ^2/NDF:24.2/22

+ sign -2.137+/-1.219 χ^2/NDF: 154.7/42

All: 2.647+/-0.857 χ^2/NDF: 330.0/88

- sign 7.328+/-1.205 χ^2/NDF: 144.8/45

diff_bpm0l06X_rms vs Slug



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: 6099.633+/-1.415 χ^2/NDF: 284861.5/22

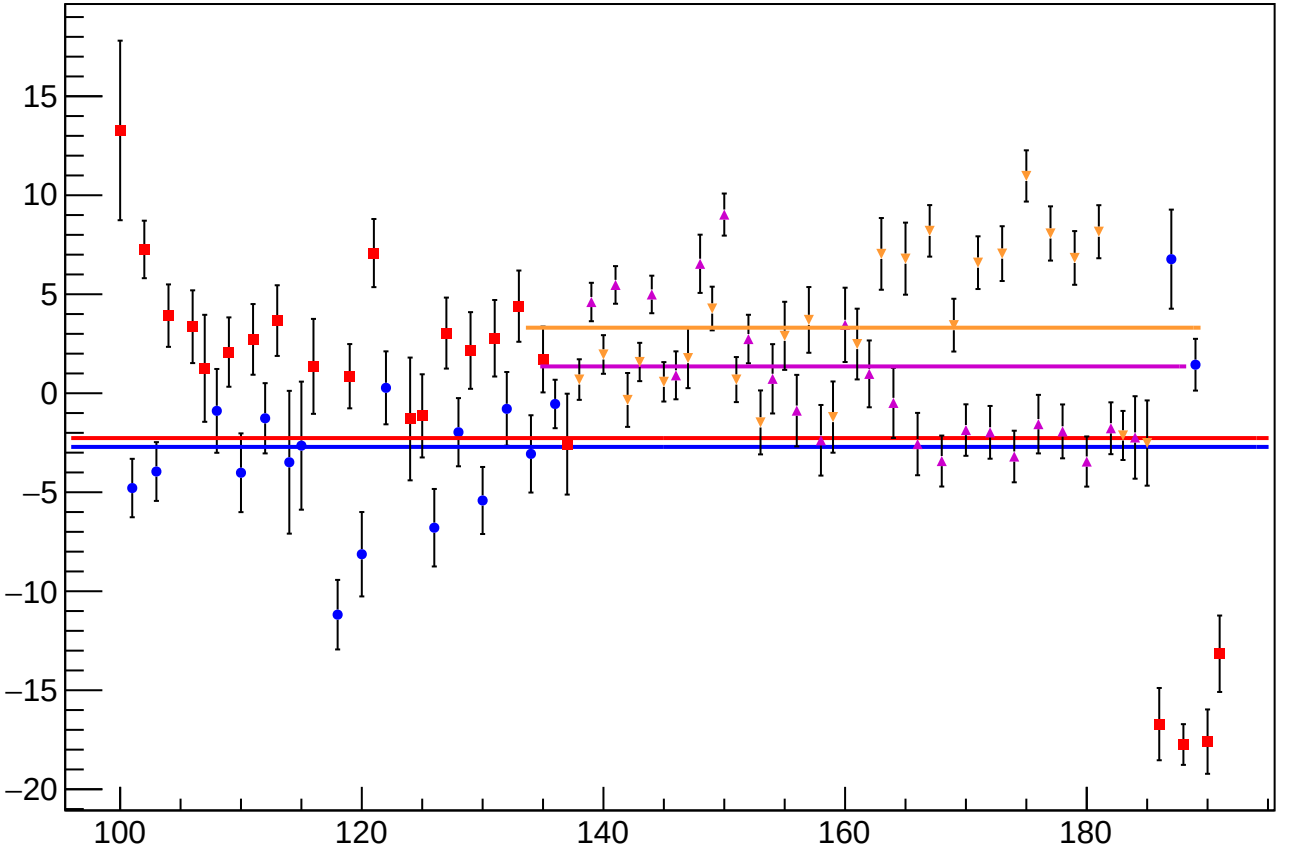
Left In: 6389.425+/-1.068 χ^2/NDF:419756.4/22

+ sign 6297.322+/-0.862 χ^2/NDF: 724154.2/42

All: 6290.753+/-0.606 χ^2/NDF: 1455604.1/88

- sign 6284.325+/-0.852 χ^2/NDF: 731334.9/45

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: -2.264+/-0.375 χ^2/NDF: 592.3/22

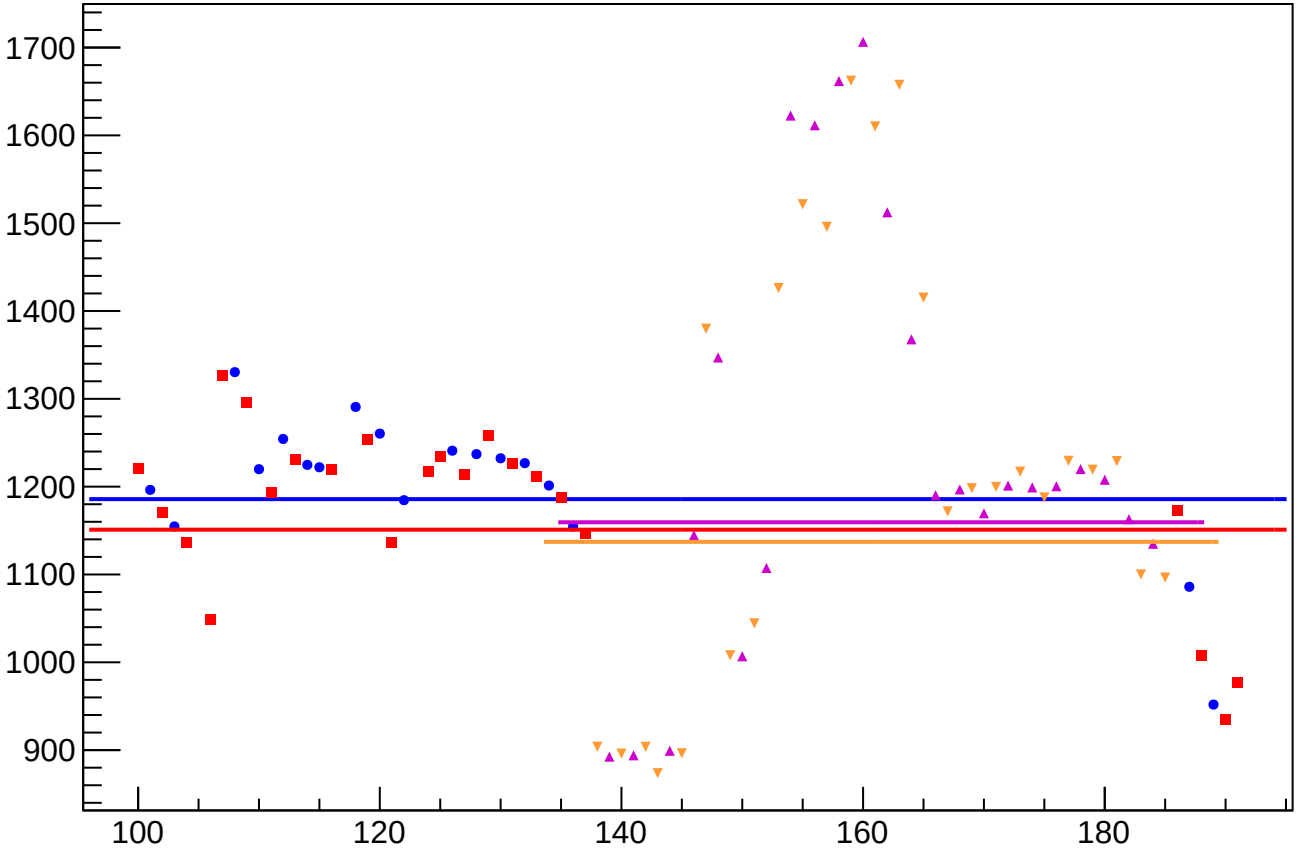
Left In: 1.355+/-0.277 χ^2/NDF:196.3/22

+ sign 1.610+/-0.224 χ^2/NDF: 397.1/42

All: 0.841+/-0.158 χ^2/NDF: 1269.4/88

- sign 0.081+/-0.223 χ^2/NDF: 848.8/45

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: 1151.020+/-0.265 χ^2/NDF: 153768.5/22

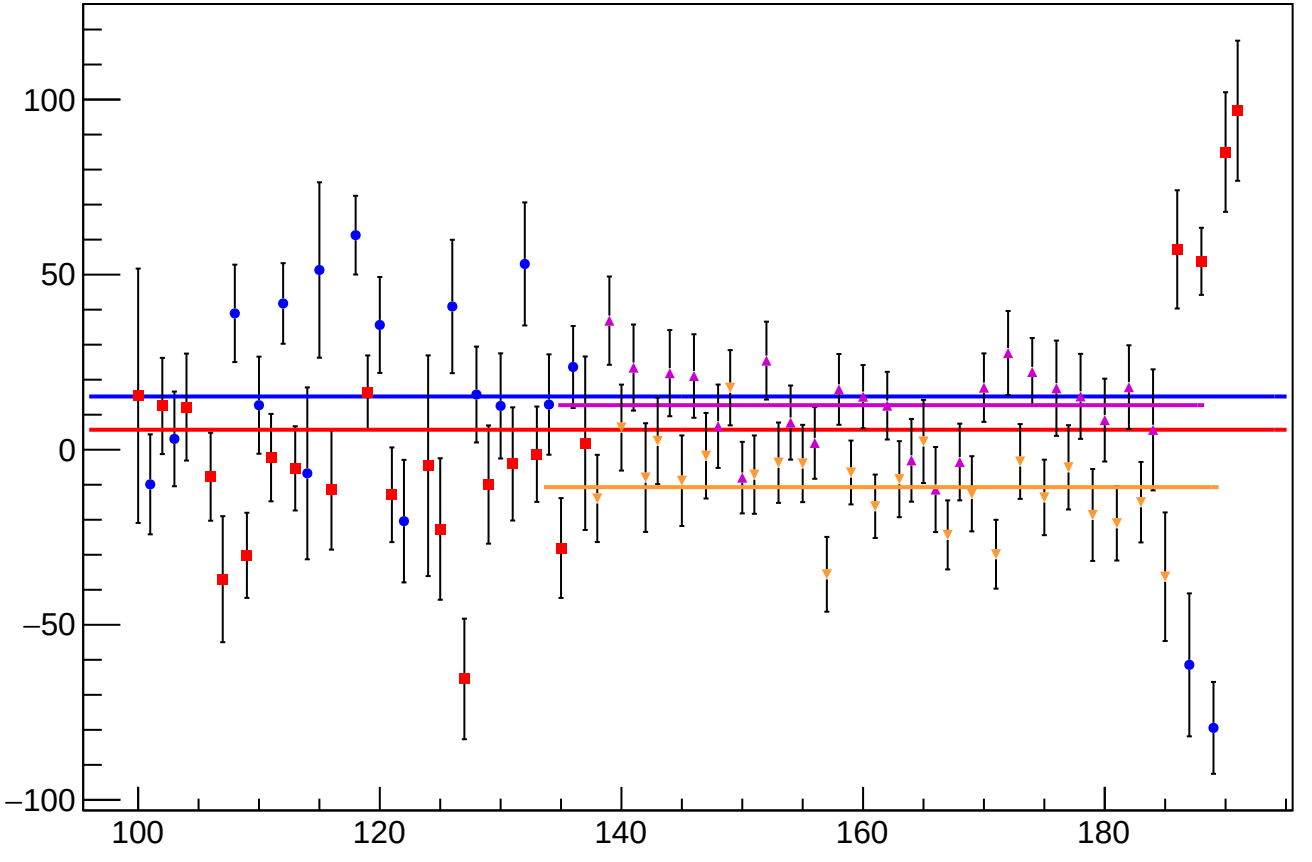
Left In: 1159.432+/-0.196 χ^2/NDF:1259793.6/22

+ sign 1150.896+/-0.158 χ^2/NDF: 1587318.8/42

All: 1153.699+/-0.112 χ^2/NDF: 3002154.8/88

- sign 1156.471+/-0.157 χ^2/NDF: 1414212.9/45

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: 5.705+/-3.098 χ^2/NDF: 124.2/22

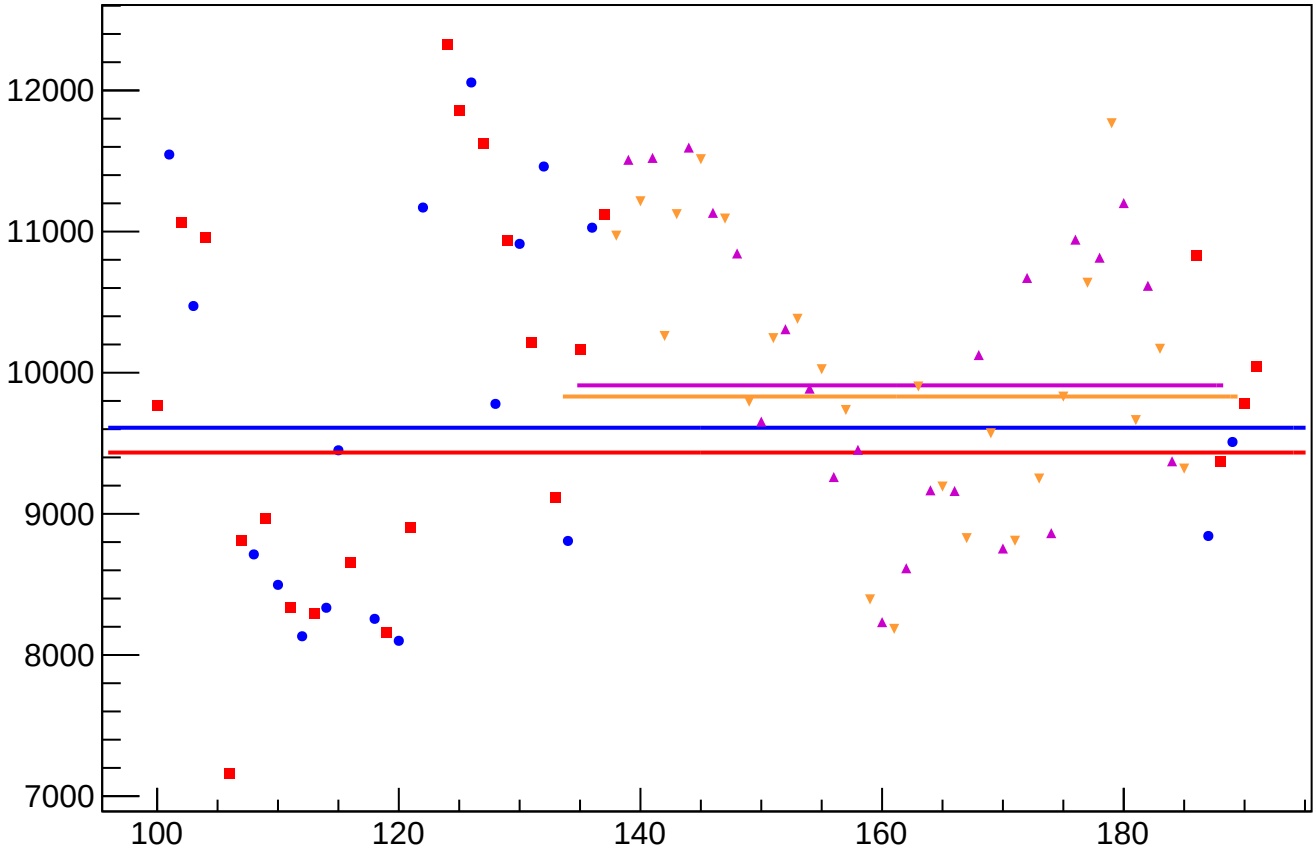
Left In: 12.719+/-2.341 χ^2/NDF:24.0/22

+ sign -2.922+/-1.888 χ^2/NDF: 179.6/42

All: 3.696+/-1.328 χ^2/NDF: 355.4/88

- sign 10.170+/-1.868 χ^2/NDF: 151.5/45

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: 9434.431+/-2.191 χ^2/NDF: 319286.8/22

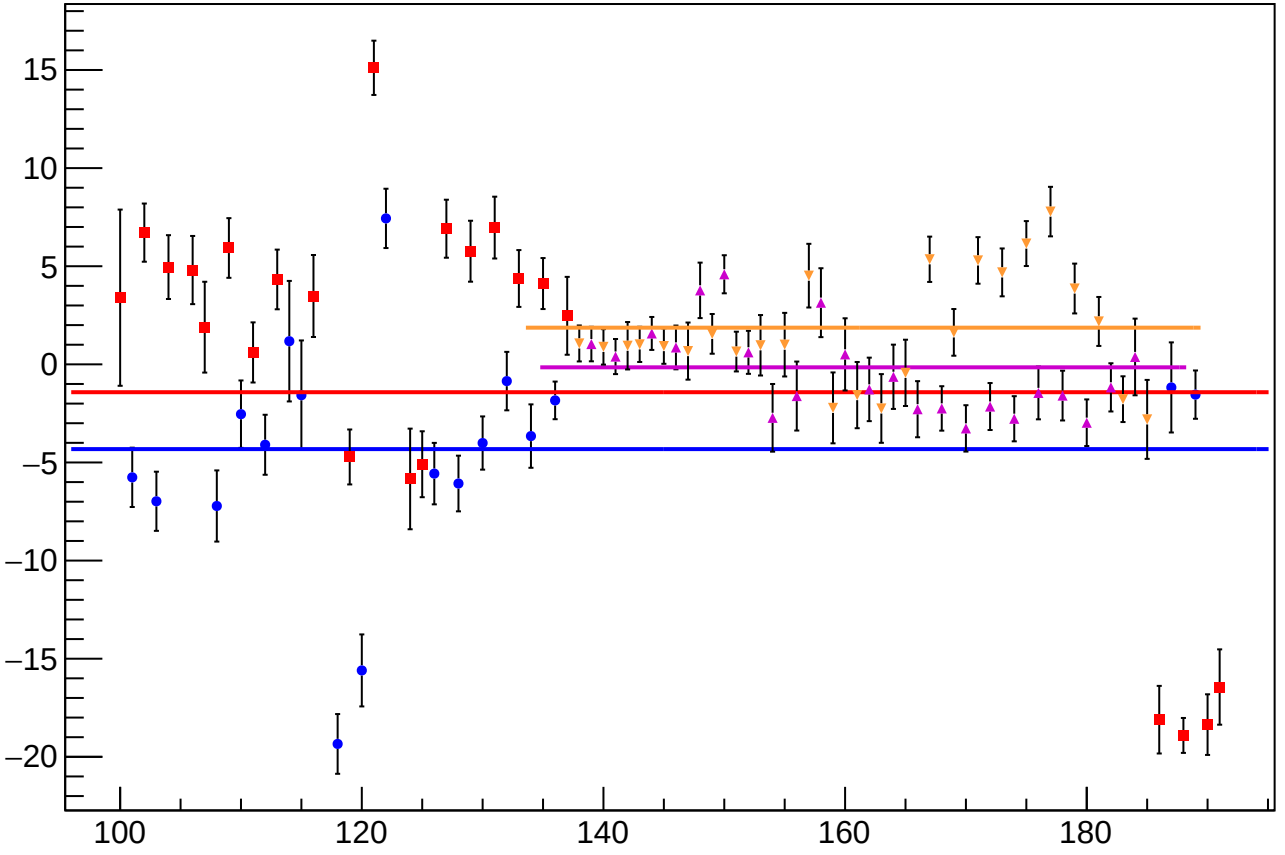
Left In: 9910.300+/-1.655 χ^2/NDF:389368.1/22

+ sign 9764.916+/-1.335 χ^2/NDF: 644640.4/42

All: 9750.997+/-0.939 χ^2/NDF: 1383544.0/88

- sign 9737.379+/-1.321 χ^2/NDF: 738688.7/45

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: -1.420+/-0.327 χ^2/NDF: 1043.5/22

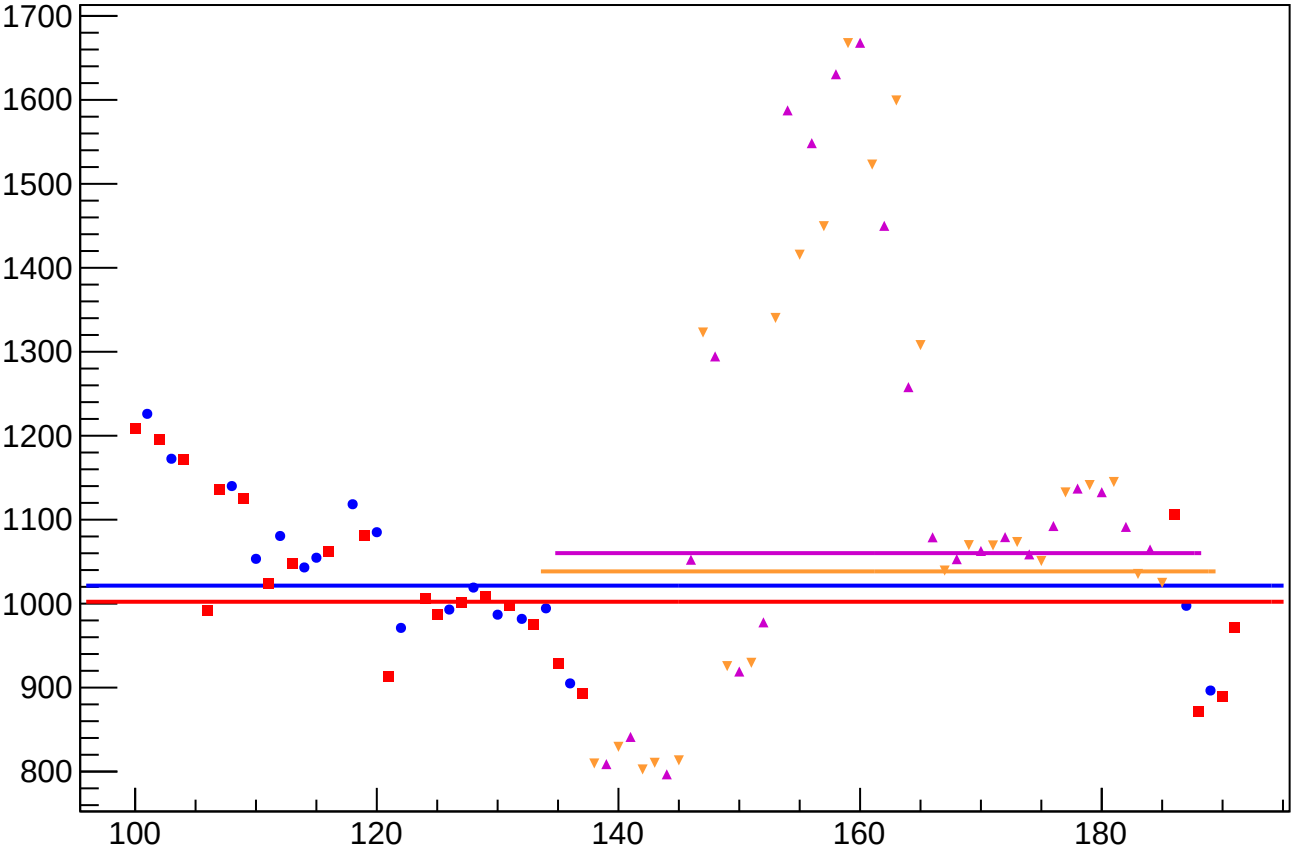
Left In: -0.152+/-0.254 χ^2/NDF:75.7/22

+ sign -0.039+/-0.202 χ^2/NDF: 532.7/42

All: -0.336+/-0.142 χ^2/NDF: 1665.5/88

- sign -0.630+/-0.201 χ^2/NDF: 1128.5/45

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: 1002.250+/-0.231 χ^2/NDF: 172958.6/22

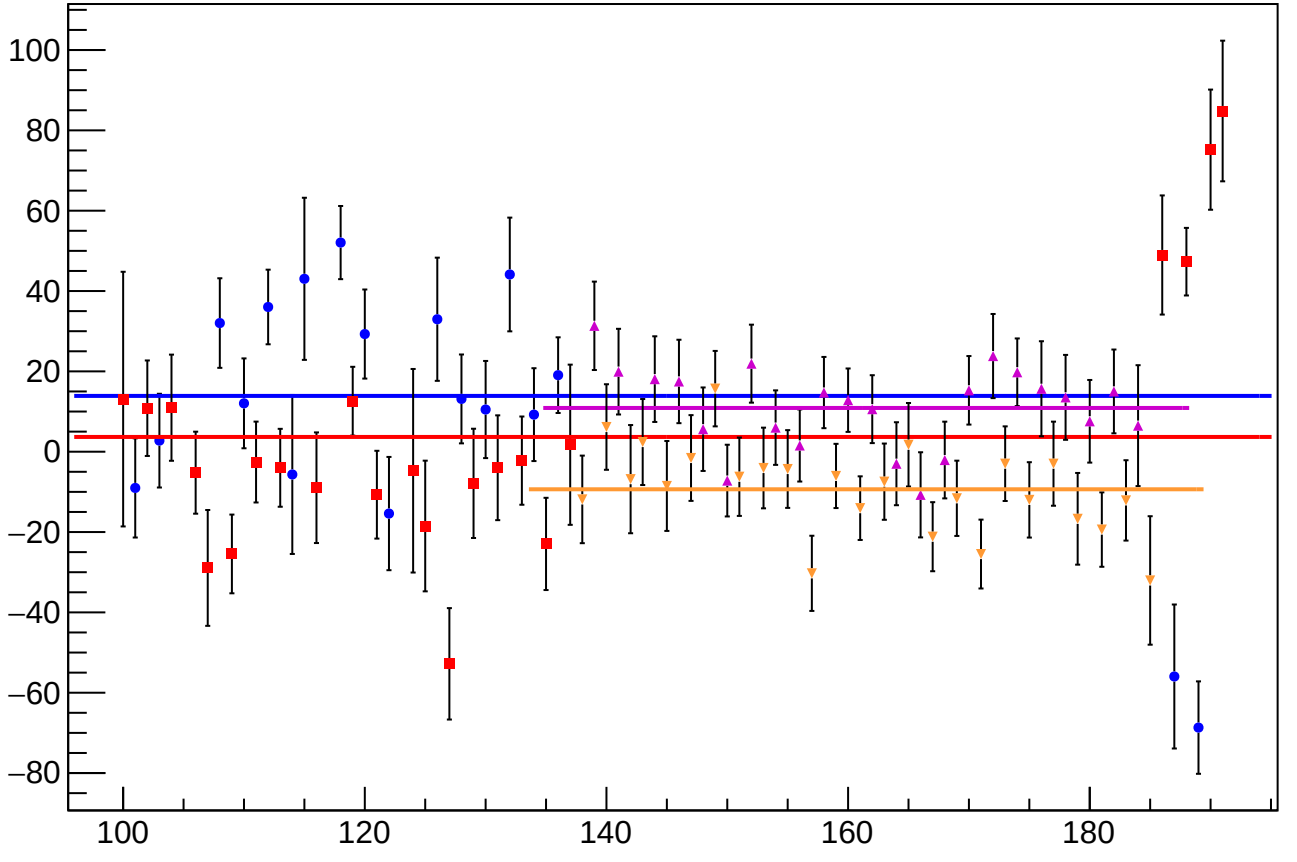
Left In: 1060.162+/-0.180 χ^2/NDF:1523219.9/22

+ sign 1033.180+/-0.143 χ^2/NDF: 1846050.4/42

All: 1035.764+/-0.101 χ^2/NDF: 3581939.6/88

- sign 1038.323+/-0.142 χ^2/NDF: 1735236.4/45

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: 3.675+/-2.556 χ^2/NDF: 126.0/22

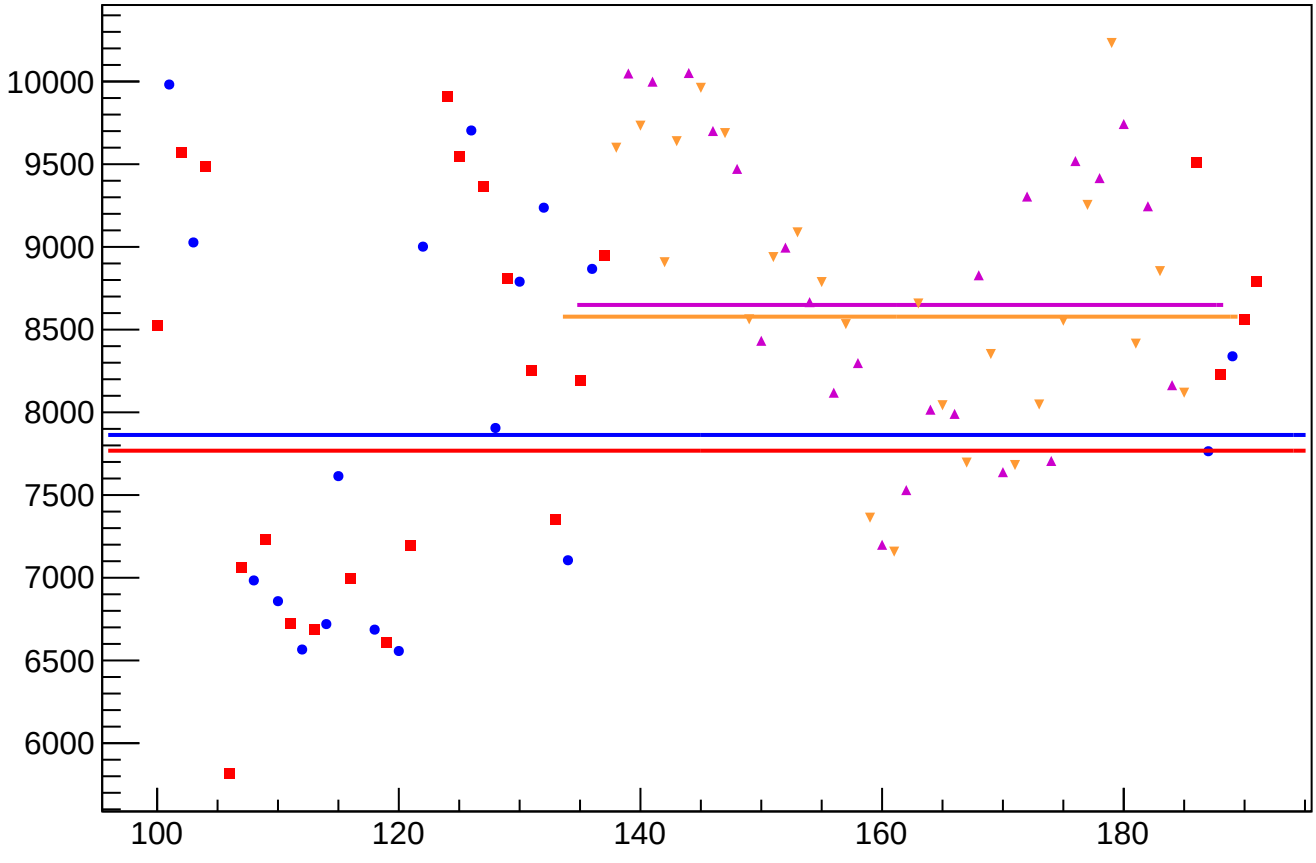
Left In: 10.892+/-2.043 χ^2/NDF:23.6/22

+ sign -1.748+/-1.615 χ^2/NDF: 187.1/42

All: 3.226+/-1.135 χ^2/NDF: 360.2/88

- sign 8.080+/-1.596 χ^2/NDF: 154.4/45

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: 7768.105+/-1.808 χ^2/NDF: 397594.5/22

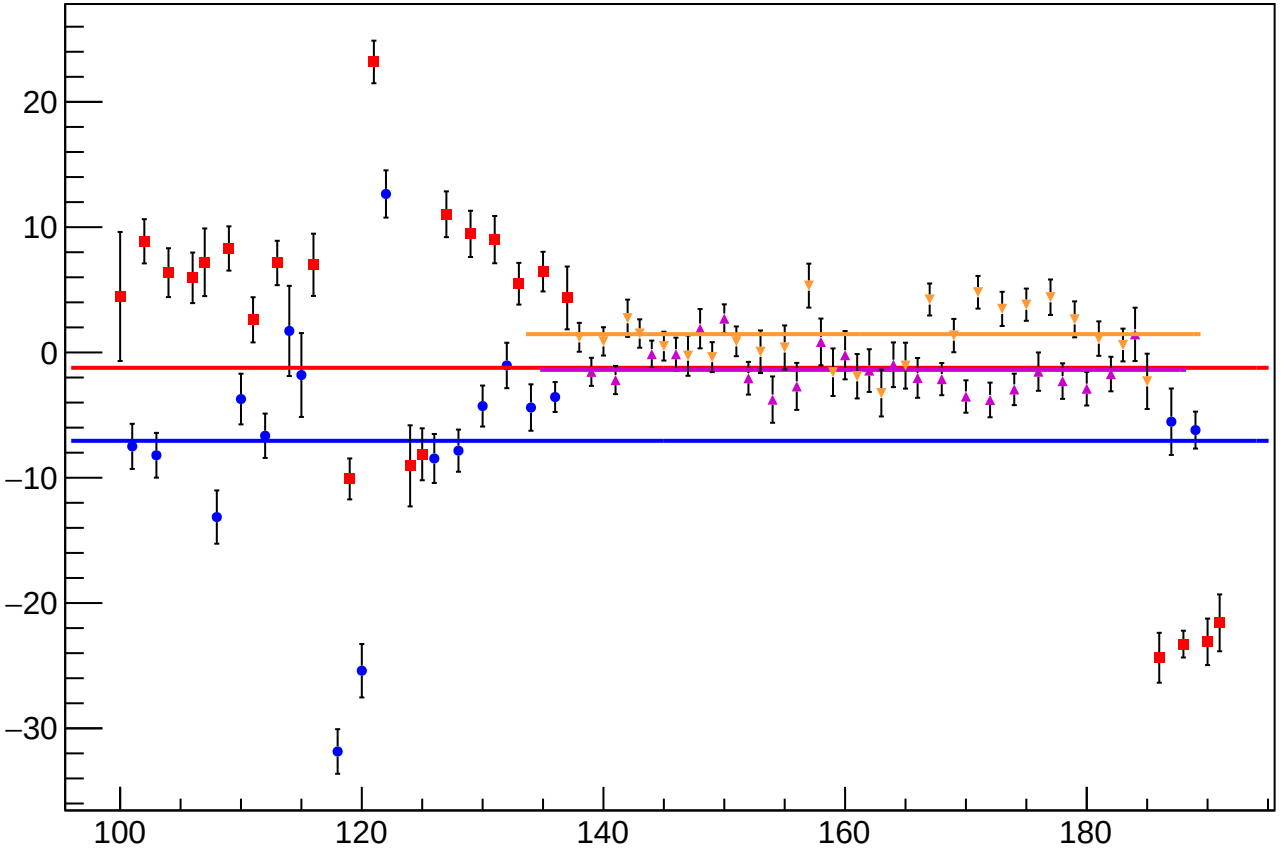
Left In: 8649.232+/-1.444 χ^2/NDF:377932.0/22

+ sign 8344.375+/-1.142 χ^2/NDF: 751795.1/42

All: 8324.907+/-0.803 χ^2/NDF: 1672923.2/88

- sign 8305.906+/-1.128 χ^2/NDF: 920554.0/45

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: -1.223+/-0.390 χ^2/NDF: 1324.0/22

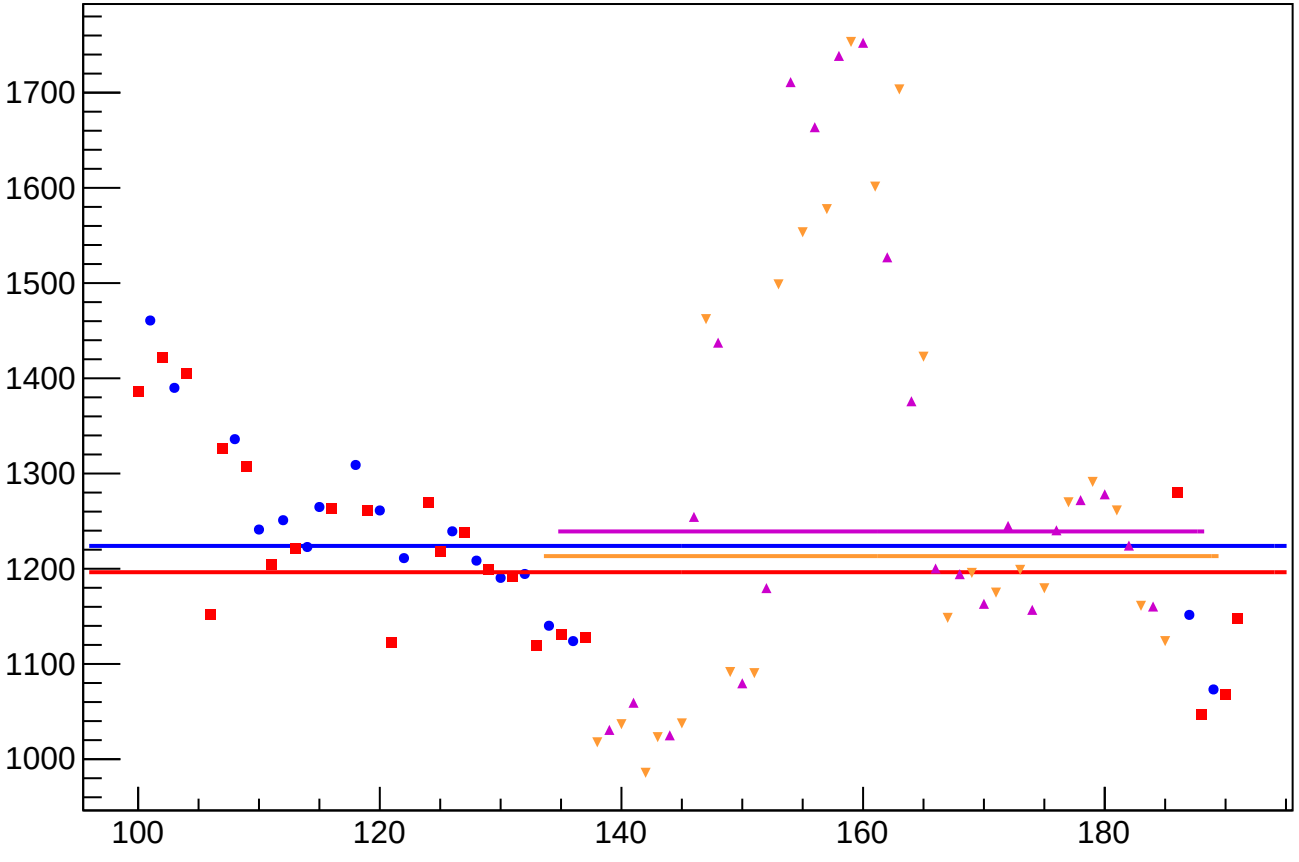
Left In: -1.390+/-0.294 χ^2/NDF:35.5/22

+ sign -1.038+/-0.236 χ^2/NDF: 744.4/42

All: -1.184+/-0.166 χ^2/NDF: 2104.8/88

- sign -1.330+/-0.235 χ^2/NDF: 1359.7/45

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: 1196.364+/-0.276 χ^2/NDF: 145094.1/22

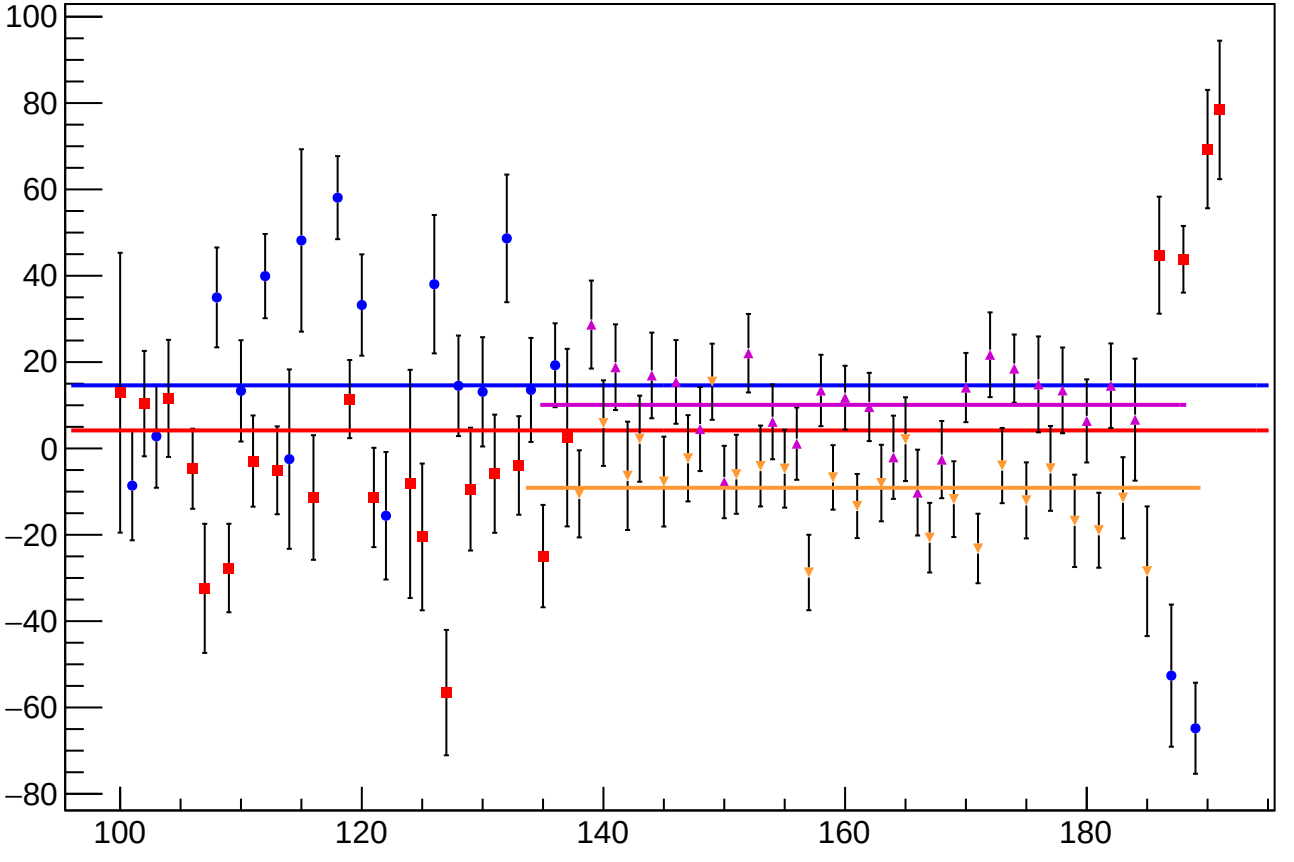
Left In: 1239.174+/-0.208 χ^2/NDF:885596.7/22

+ sign 1216.407+/-0.167 χ^2/NDF: 1119397.6/42

All: 1220.042+/-0.118 χ^2/NDF: 2166383.8/88

- sign 1223.651+/-0.166 χ^2/NDF: 1046038.6/45

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

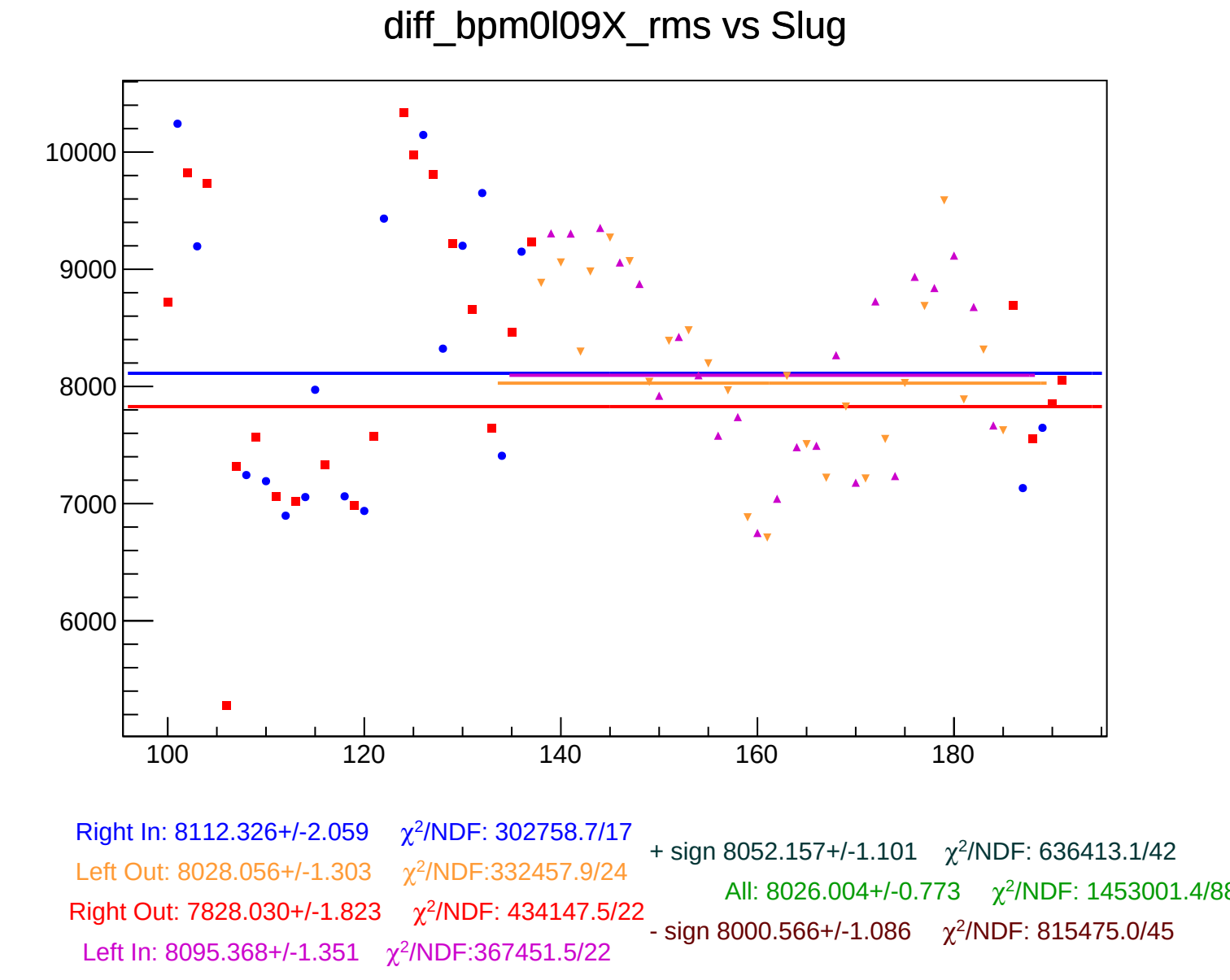
Right Out: 4.176+/-2.578 χ^2/NDF: 129.3/22

Left In: 10.095+/-1.911 χ^2/NDF:24.3/22

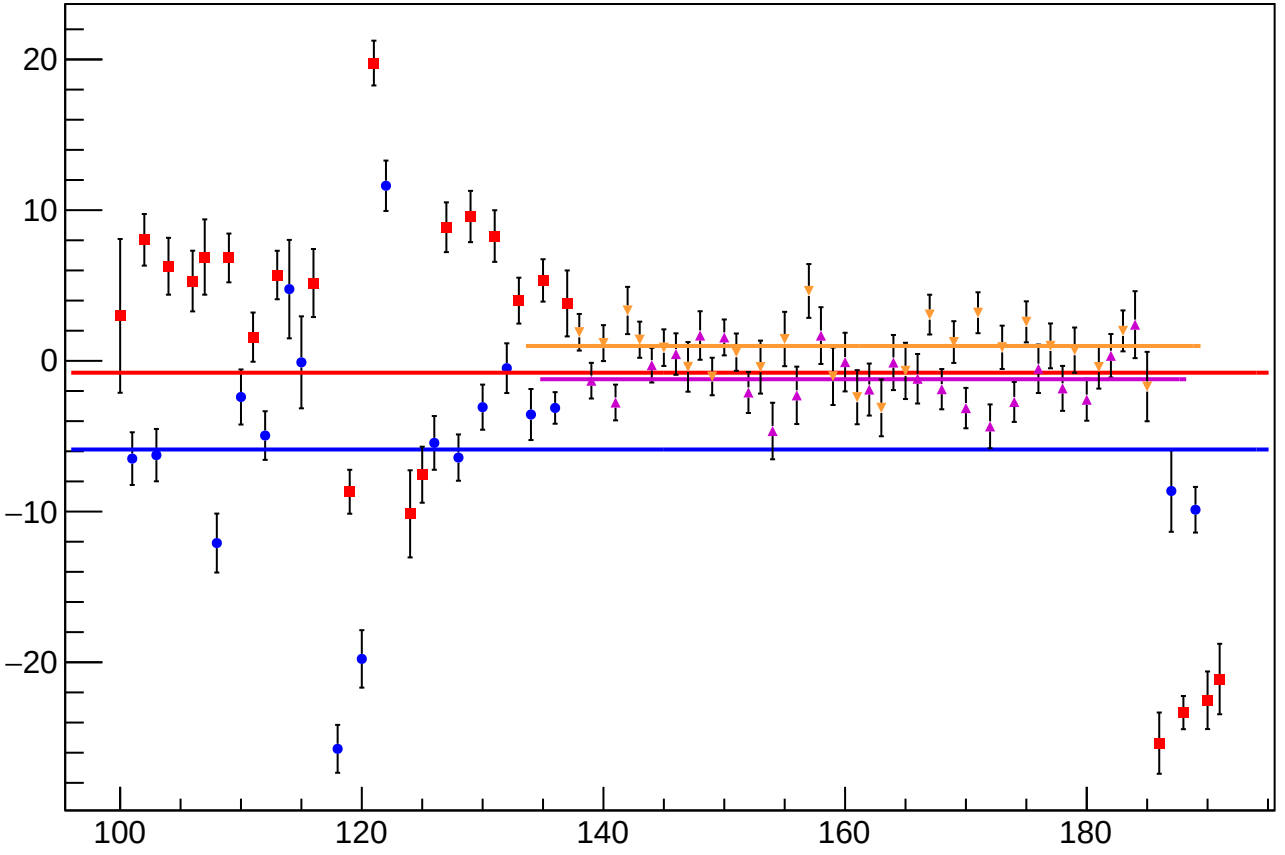
+ sign -2.327+/-1.557 χ^2/NDF: 201.8/42

All: 2.906+/-1.093 χ^2/NDF: 381.0/88

- sign 7.996+/-1.535 χ^2/NDF: 157.0/45


diff_bpm0l09X_rms vs Slug
10000
9000
8000
7000
6000
100
120
140
160
180
Right In: 8112.326+/-2.059 χ²/NDF: 302758.7/17
Left Out: 8028.056+/-1.303 χ²/NDF:332457.9/24
Right Out: 7828.030+/-1.823 χ²/NDF: 434147.5/22
Left In: 8095.368+/-1.351 χ²/NDF:367451.5/22
+ sign 8052.157+/-1.101 χ²/NDF: 636413.1/42
All: 8026.004+/-0.773 χ²/NDF: 1453001.4/88
- sign 8000.566+/-1.086 χ²/NDF: 815475.0/45

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: -0.786+/-0.366 χ^2/NDF: 1253.3/22

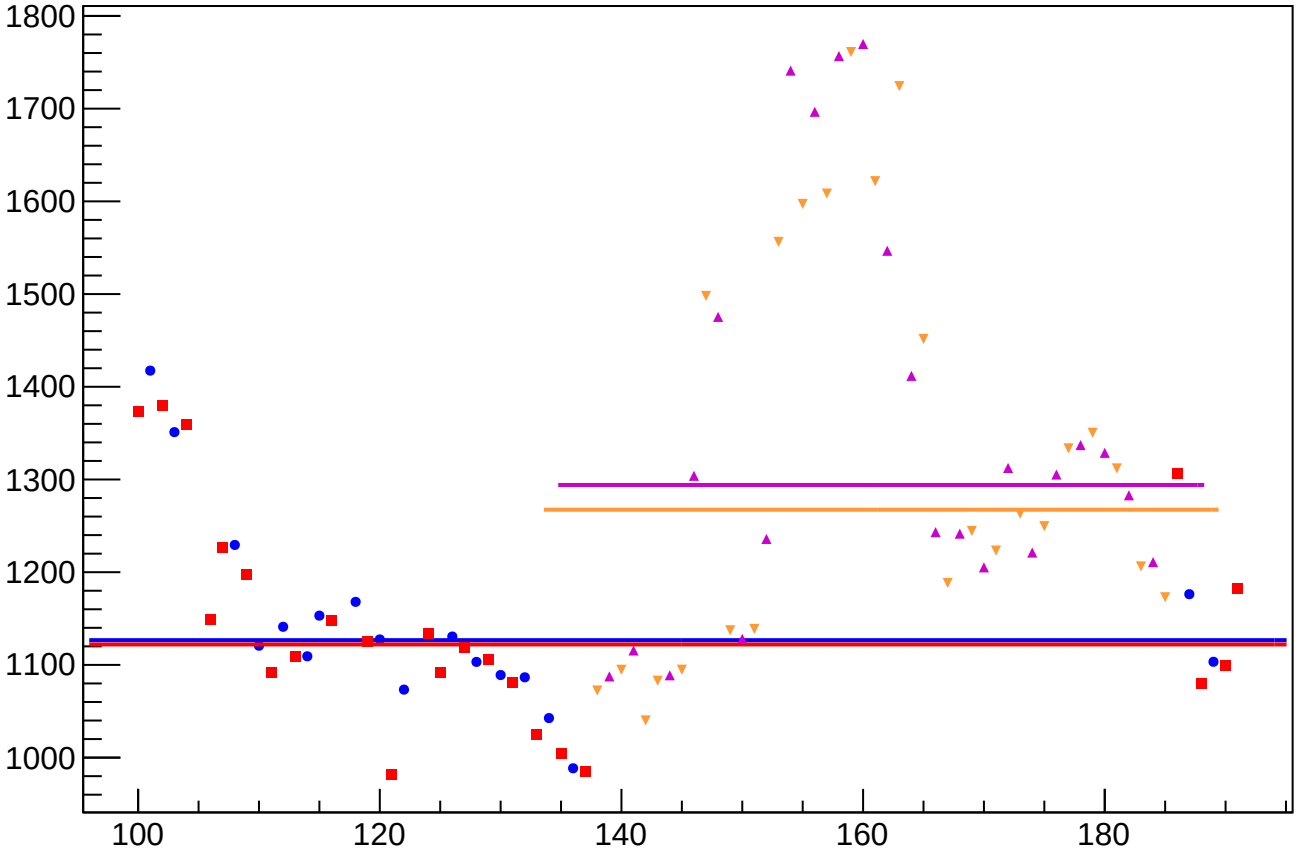
Left In: -1.219+/-0.307 χ^2/NDF:33.1/22

+ sign -1.396+/-0.236 χ^2/NDF: 601.2/42

All: -1.217+/-0.167 χ^2/NDF: 1889.6/88

- sign -1.041+/-0.235 χ^2/NDF: 1287.3/45

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: 1122.064+/-0.259 χ^2/NDF: 161826.0/22

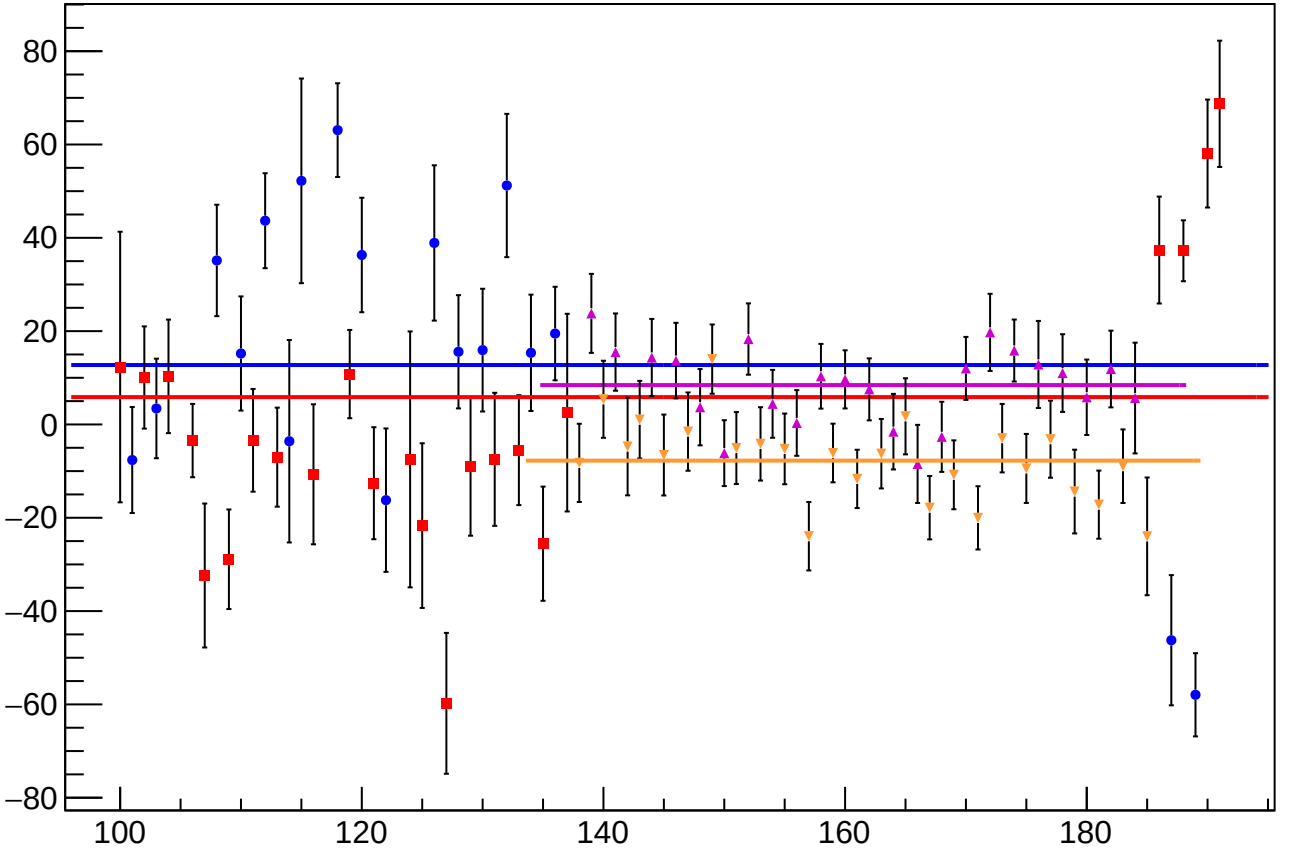
Left In: 1294.076+/-0.217 χ^2/NDF:758193.5/22

+ sign 1218.575+/-0.167 χ^2/NDF: 1180977.8/42

All: 1220.889+/-0.118 χ^2/NDF: 2360888.8/88

- sign 1223.179+/-0.166 χ^2/NDF: 1179529.3/45

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: 5.865+/-2.472 χ^2/NDF: 128.1/22

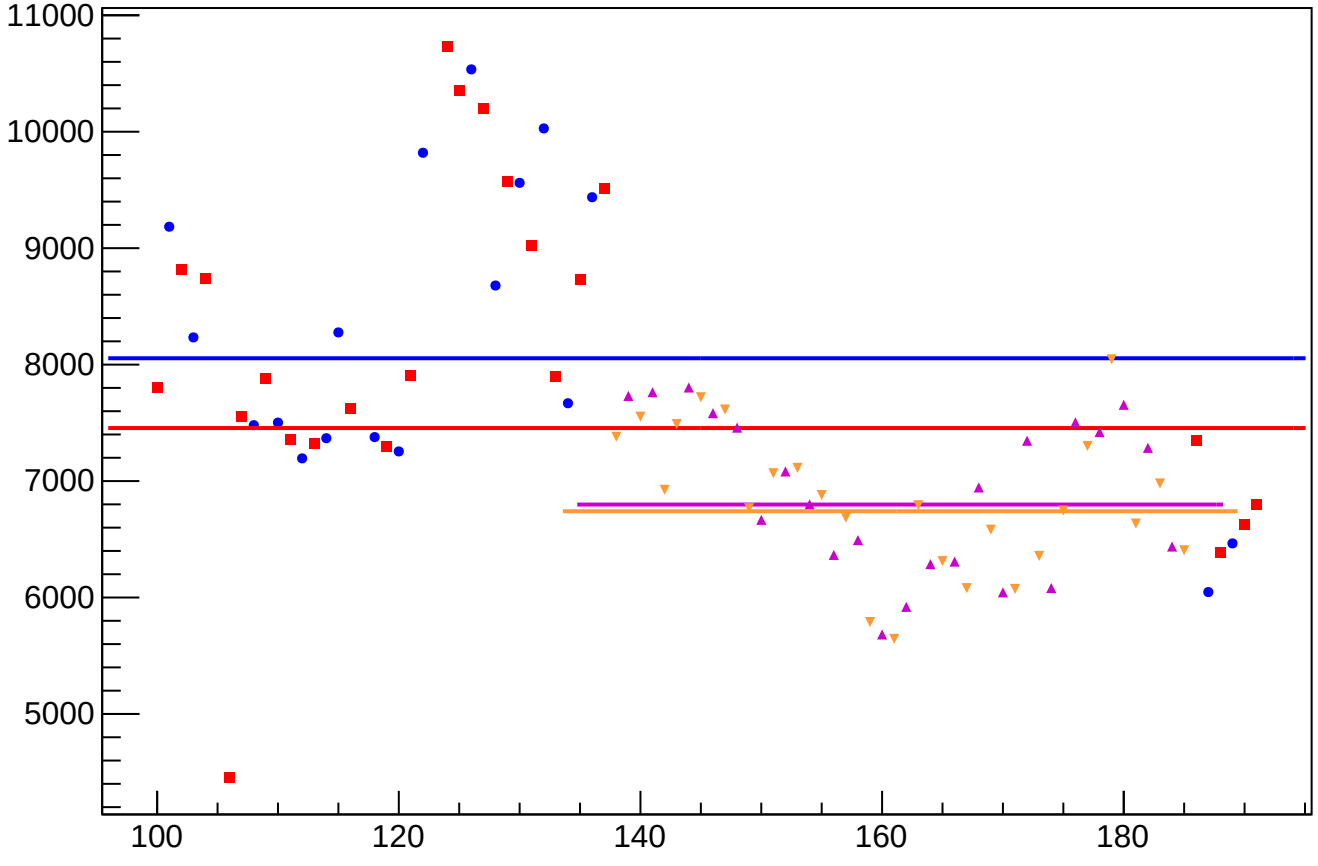
Left In: 8.438+/-1.605 χ^2/NDF:24.8/22

+ sign -3.200+/-1.364 χ^2/NDF: 212.4/42

All: 2.310+/-0.958 χ^2/NDF: 398.3/88

- sign 7.675+/-1.346 χ^2/NDF: 153.6/45

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: 7455.264+/-1.748 χ^2/NDF: 677724.0/22

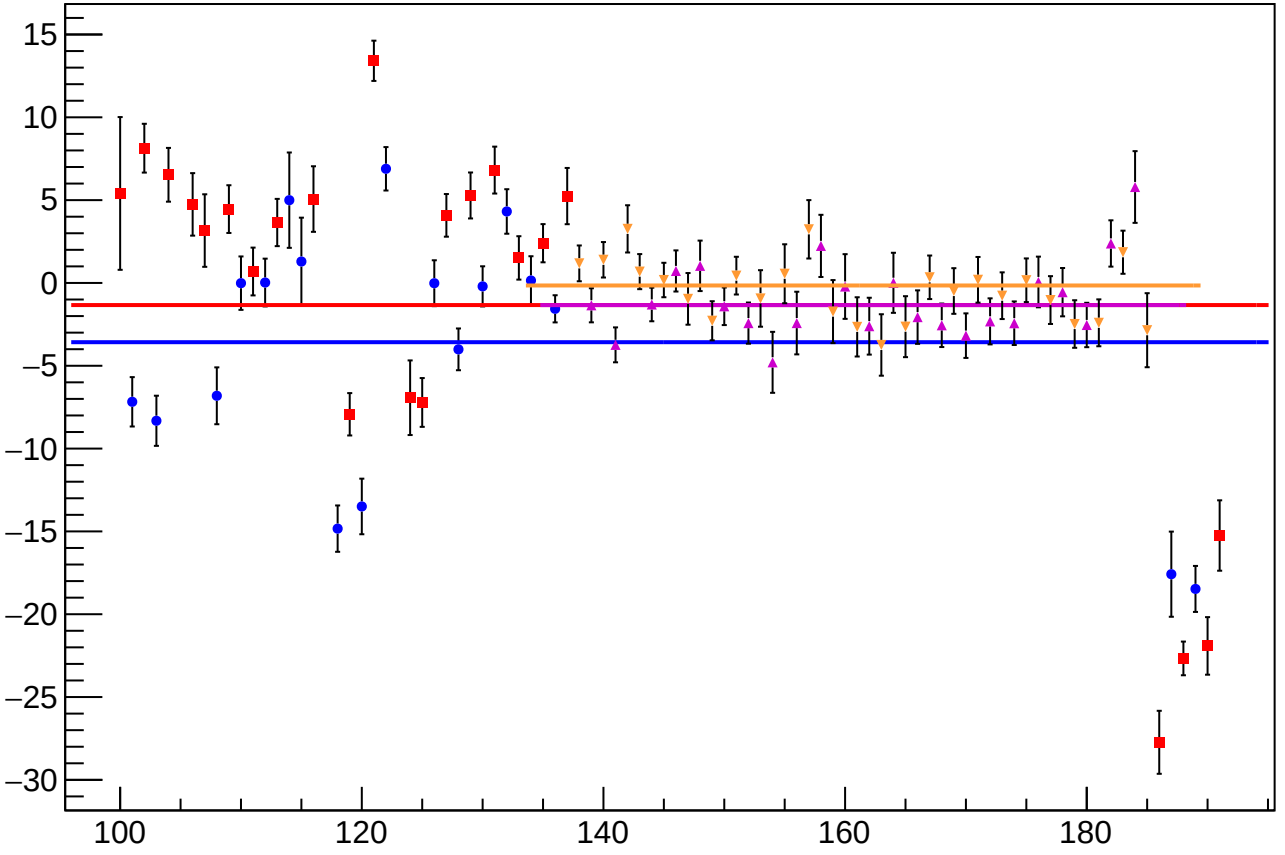
Left In: 6798.524+/-1.135 χ^2/NDF:353277.6/22

+ sign 7032.684+/-0.965 χ^2/NDF: 980783.1/42

All: 7012.686+/-0.677 χ^2/NDF: 2111948.2/88

- sign 6993.215+/-0.952 χ^2/NDF: 1130316.7/45

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: -1.335+/-0.314 χ^2/NDF: 1238.0/22

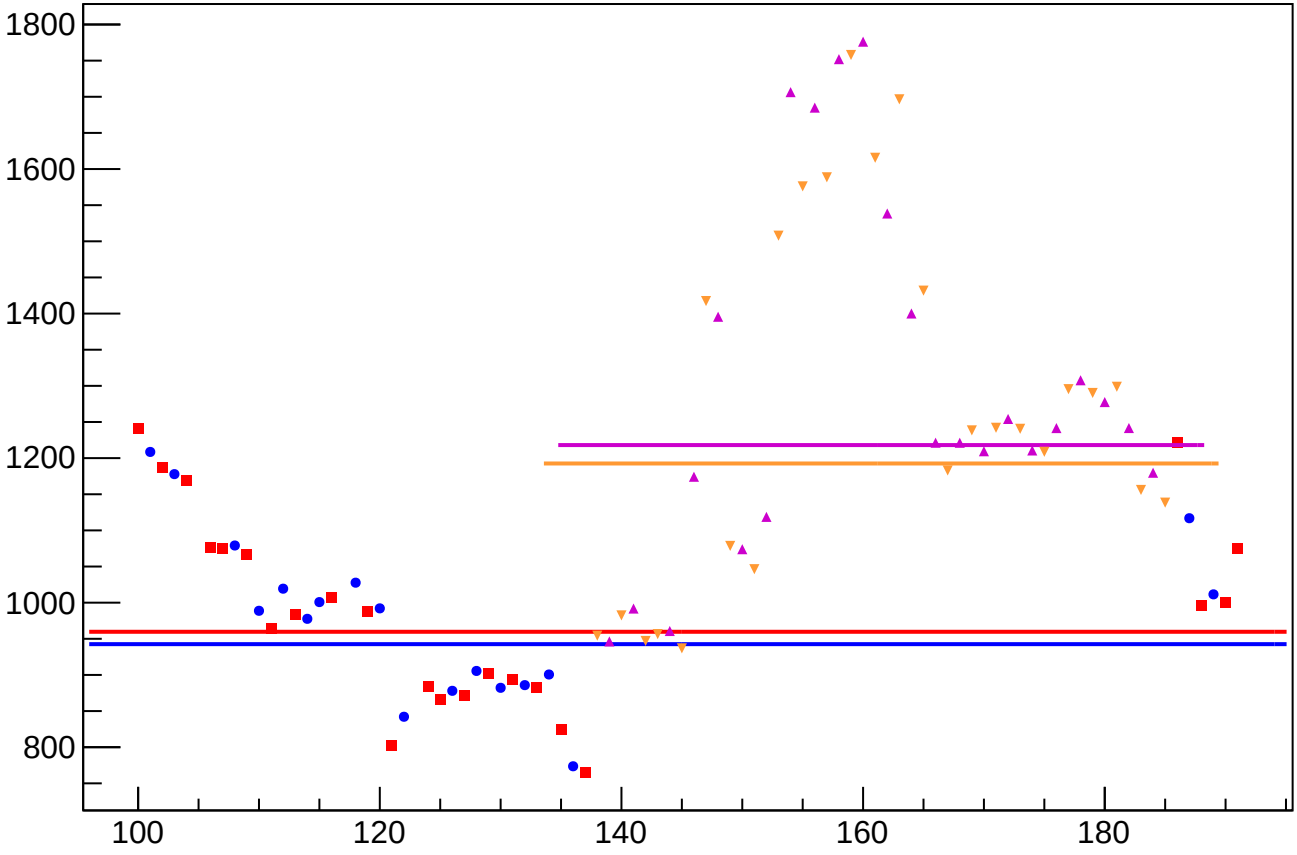
Left In: -1.337+/-0.290 χ^2/NDF:44.0/22

+ sign -1.532+/-0.214 χ^2/NDF: 510.0/42

All: -1.434+/-0.151 χ^2/NDF: 1792.4/88

- sign -1.336+/-0.213 χ^2/NDF: 1282.0/45

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: 959.724+/-0.222 χ^2/NDF: 285290.6/22

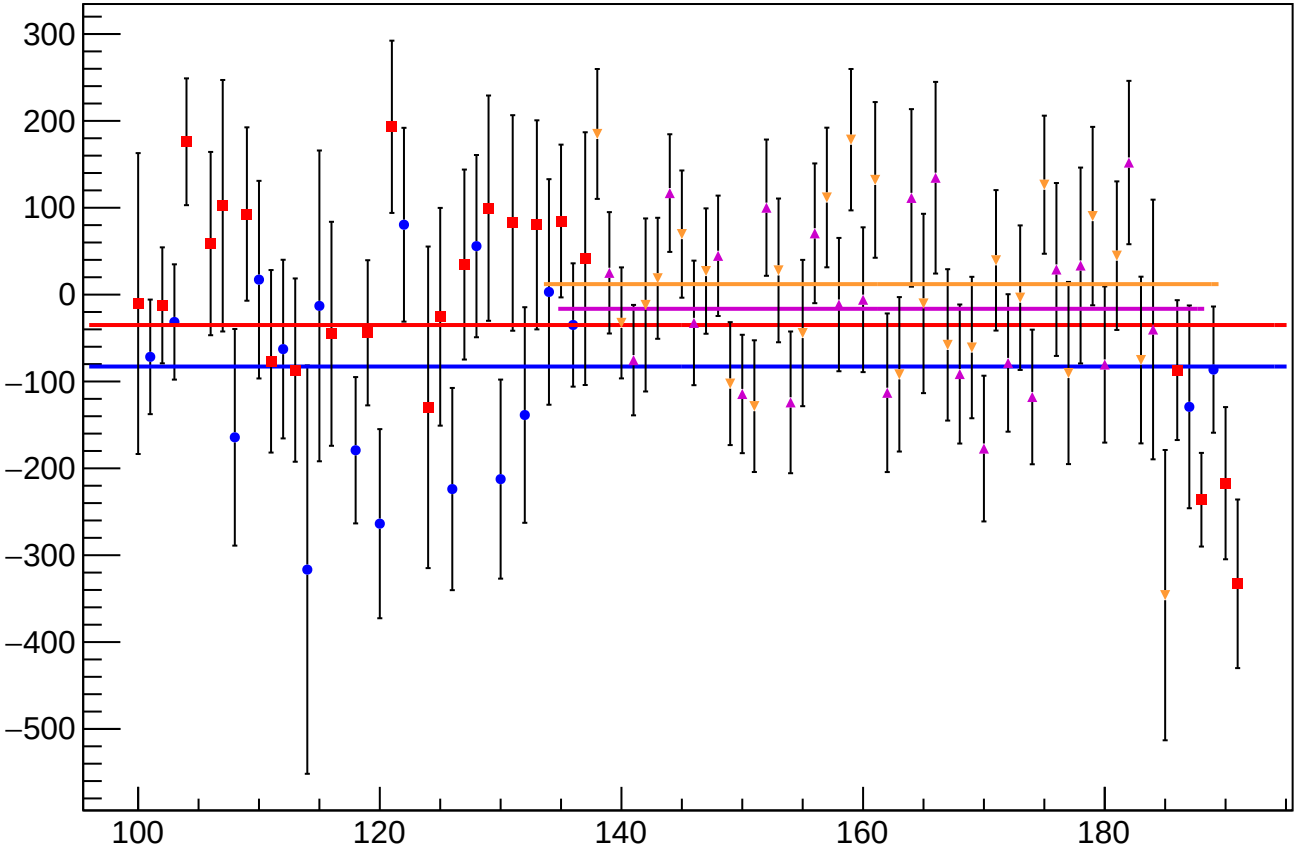
Left In: 1218.058+/-0.205 χ^2/NDF:1127896.8/22

+ sign 1091.868+/-0.151 χ^2/NDF: 2247227.0/42

All: 1095.515+/-0.107 χ^2/NDF: 4391357.3/88

- sign 1099.141+/-0.151 χ^2/NDF: 2142969.6/45

diff_bpm0r03X_mean vs Slug



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: -35.007+/-20.202 χ^2/NDF: 51.3/22

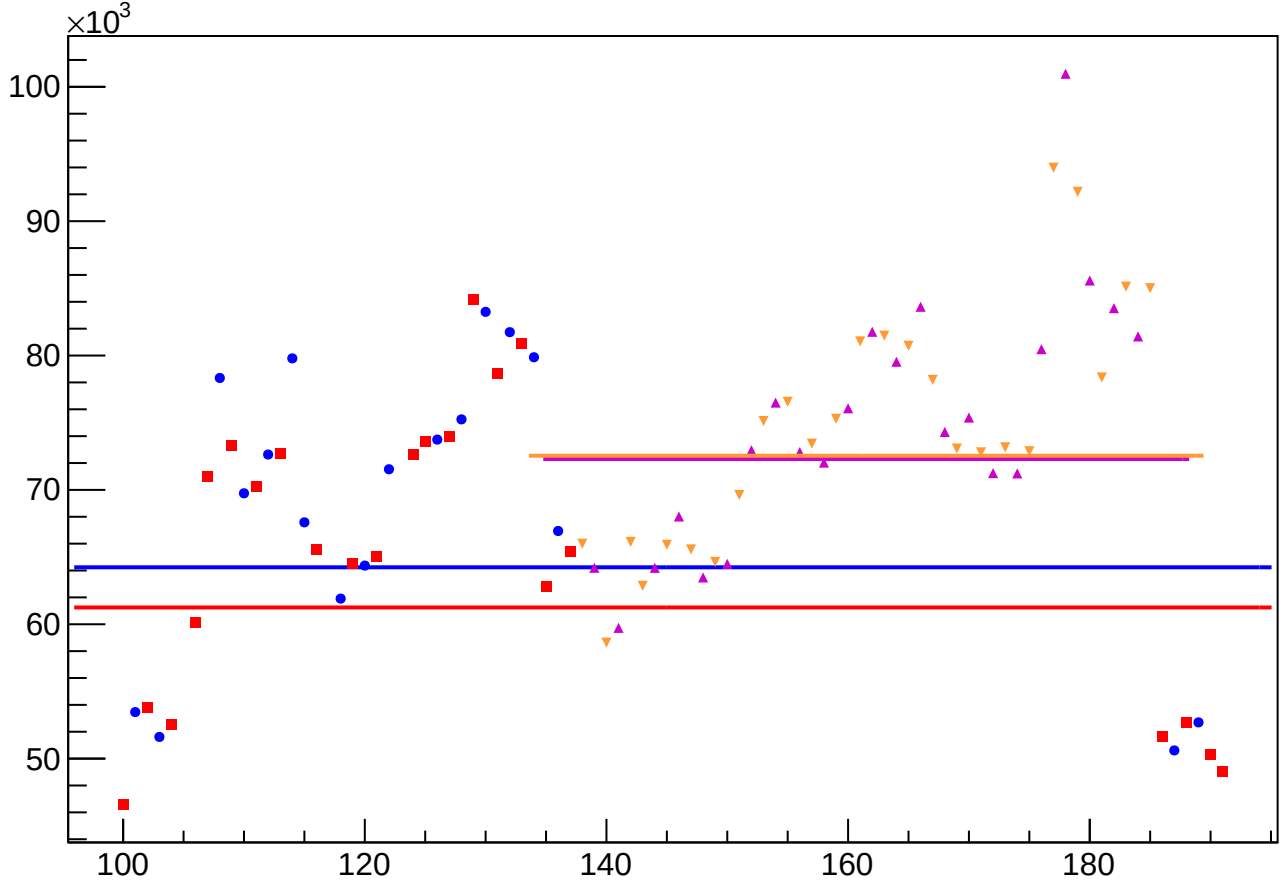
Left In: -16.339+/-17.018 χ^2/NDF:28.7/22

+ sign -20.251+/-13.484 χ^2/NDF: 58.9/42

All: -22.237+/-9.365 χ^2/NDF: 139.4/88

- sign -24.087+/-13.015 χ^2/NDF: 80.5/45

diff_bpm0r03X_rms vs Slug



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: 61249.680+/-14.285 χ^2/NDF: 505992.5/22

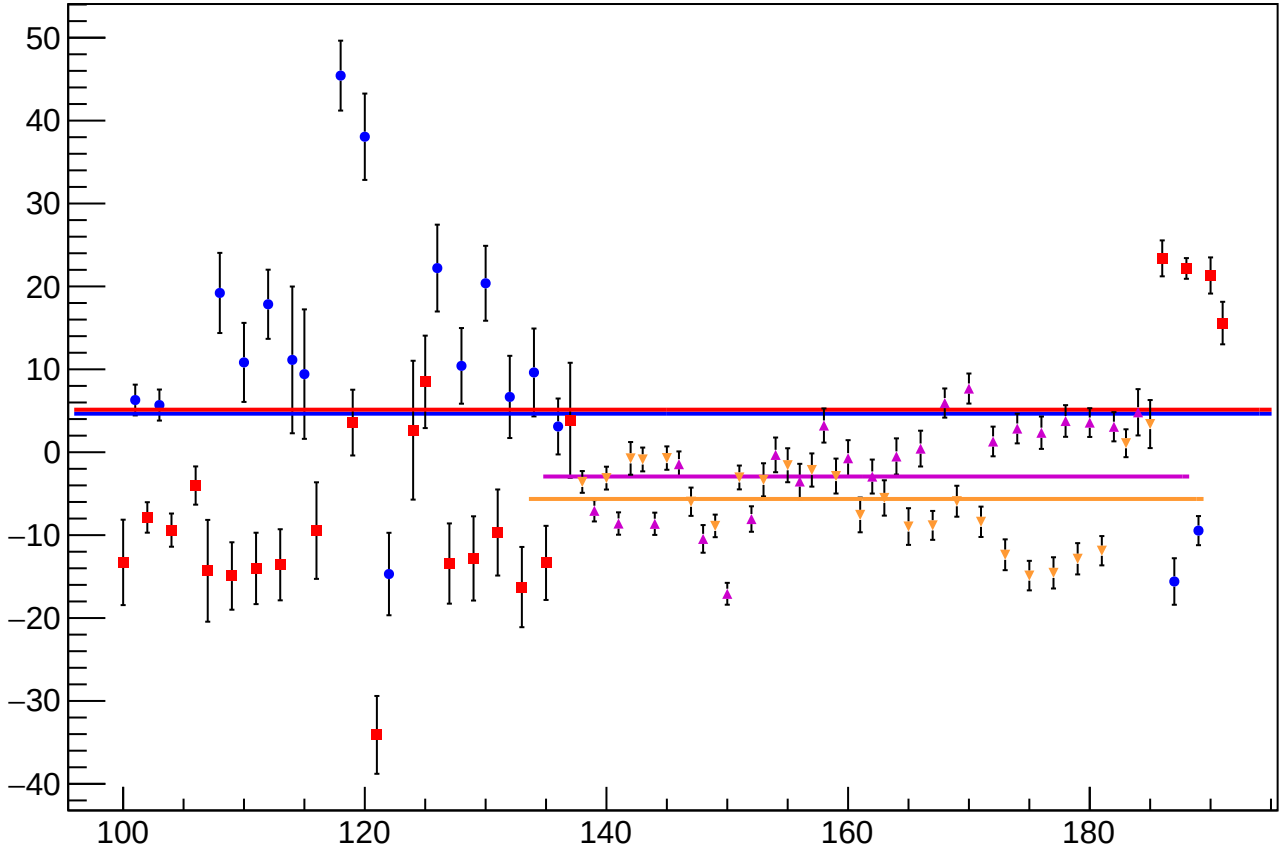
Left In: 72300.590+/-12.033 χ^2/NDF:488780.3/22

+ sign 69713.583+/-9.535 χ^2/NDF: 1099272.8/42

All: 68678.338+/-6.622 χ^2/NDF: 2466871.7/8

- sign 67713.785+/-9.203 χ^2/NDF: 1344825.5/45

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: 5.132+/-0.620 χ^2/NDF: 681.9/22

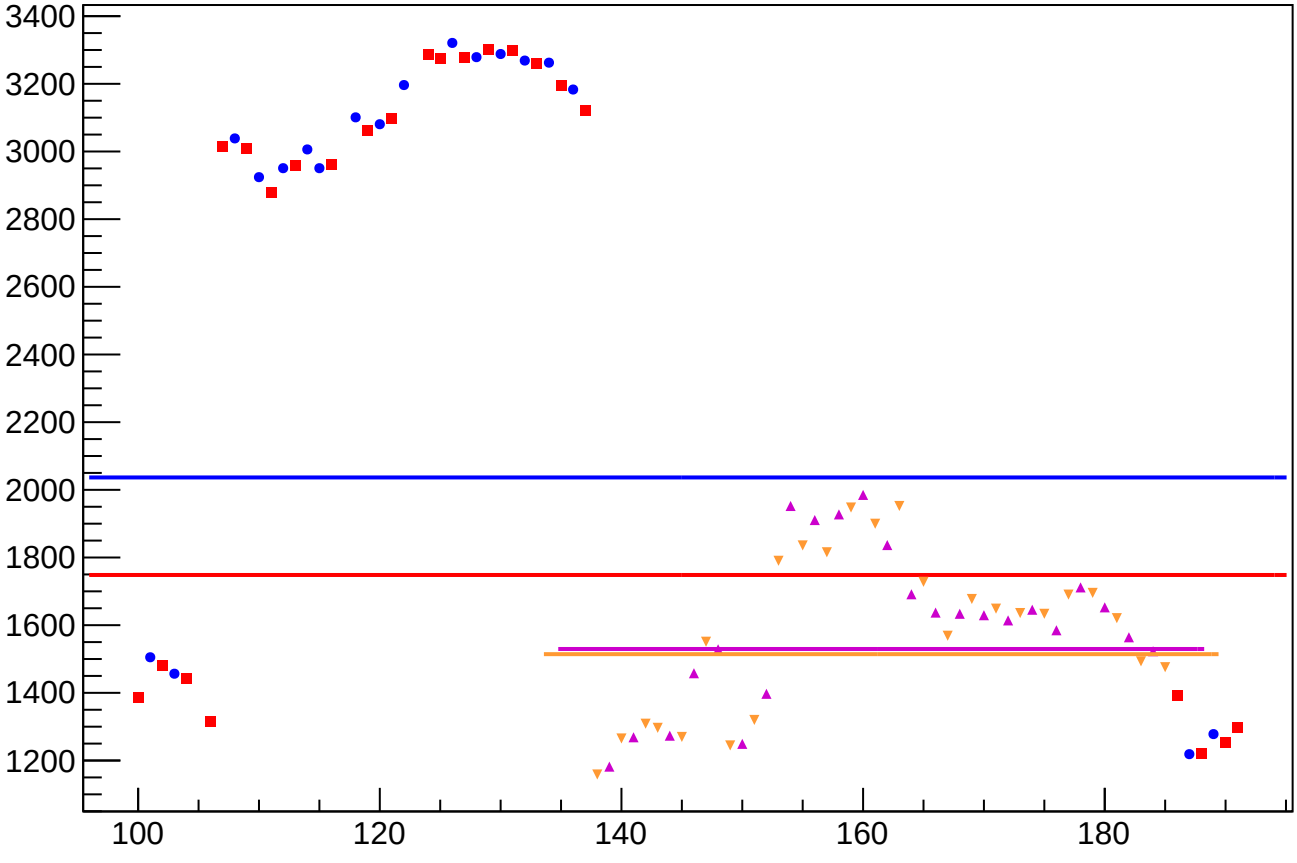
Left In: -2.929+/-0.362 χ^2/NDF:337.4/22

+ sign -3.931+/-0.319 χ^2/NDF: 637.5/42

All: -2.375+/-0.223 χ^2/NDF: 1829.4/88

- sign -0.878+/-0.313 χ^2/NDF: 1145.2/45

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: 1748.364+/-0.439 χ^2/NDF: 3055594.7/22

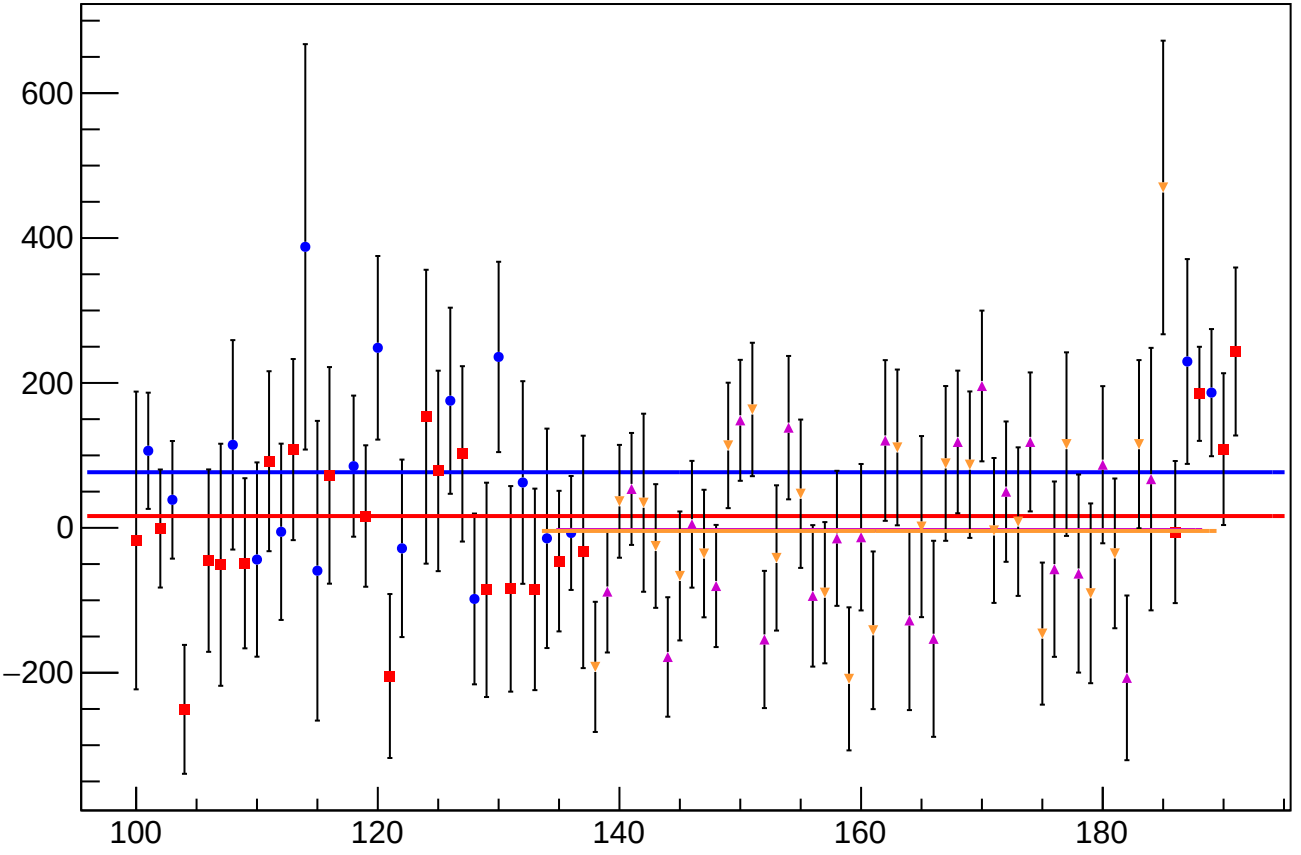
Left In: 1529.635+/-0.256 χ^2/NDF:828481.7/22

+ sign 1600.919+/-0.225 χ^2/NDF: 4077446.7/42

All: 1592.956+/-0.158 χ^2/NDF: 8149476.8/88

- sign 1585.289+/-0.221 χ^2/NDF: 4069580.6/45

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

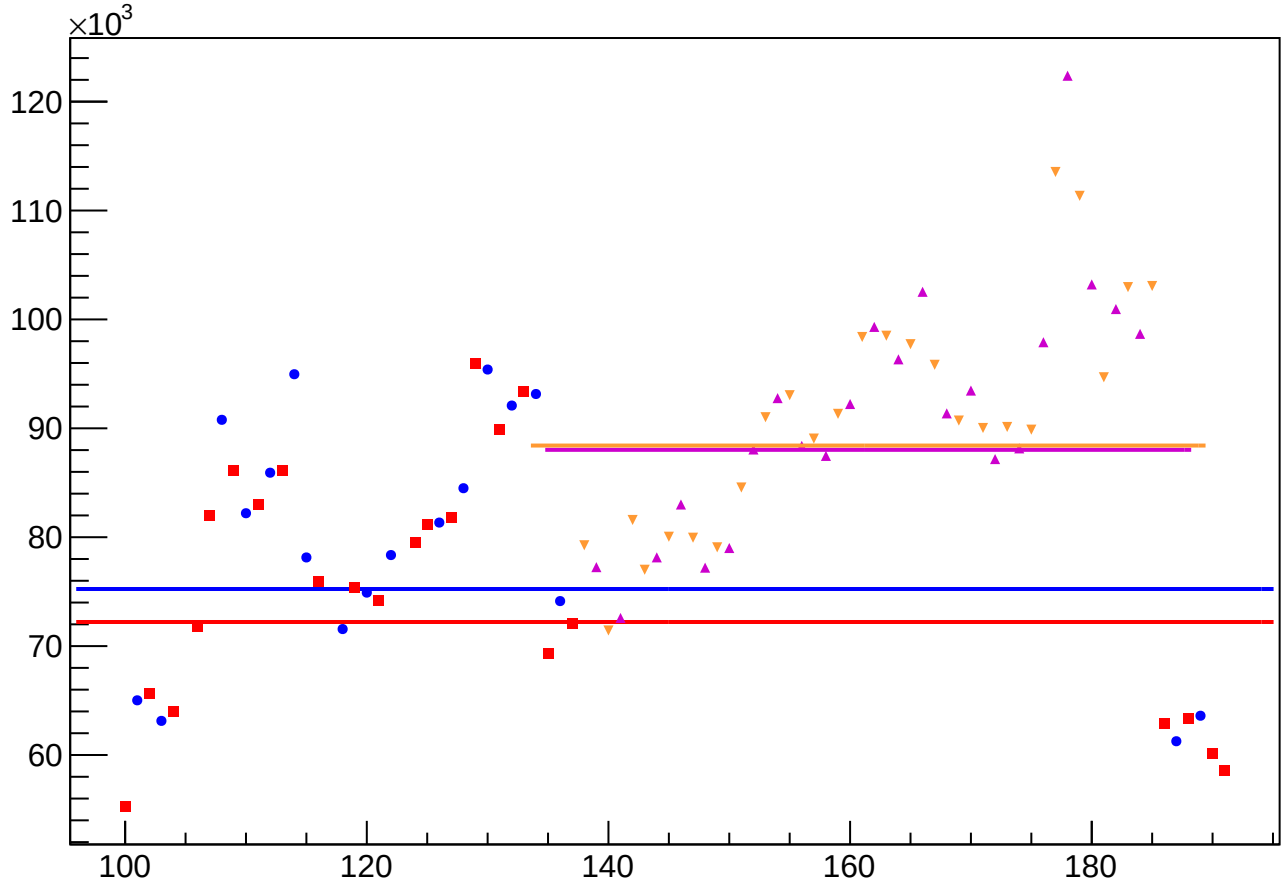
Right Out: 16.274+/-23.751 χ^2/NDF: 29.2/22

Left In: -3.017+/-20.720 χ^2/NDF:30.7/22

+ sign 24.939+/-16.186 χ^2/NDF: 50.7/42

All: 14.776+/-11.238 χ^2/NDF: 111.7/88

- sign 5.320+/-15.614 χ^2/NDF: 60.3/45



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: 72214.053+/-16.795 χ^2/NDF: 386394.8/22

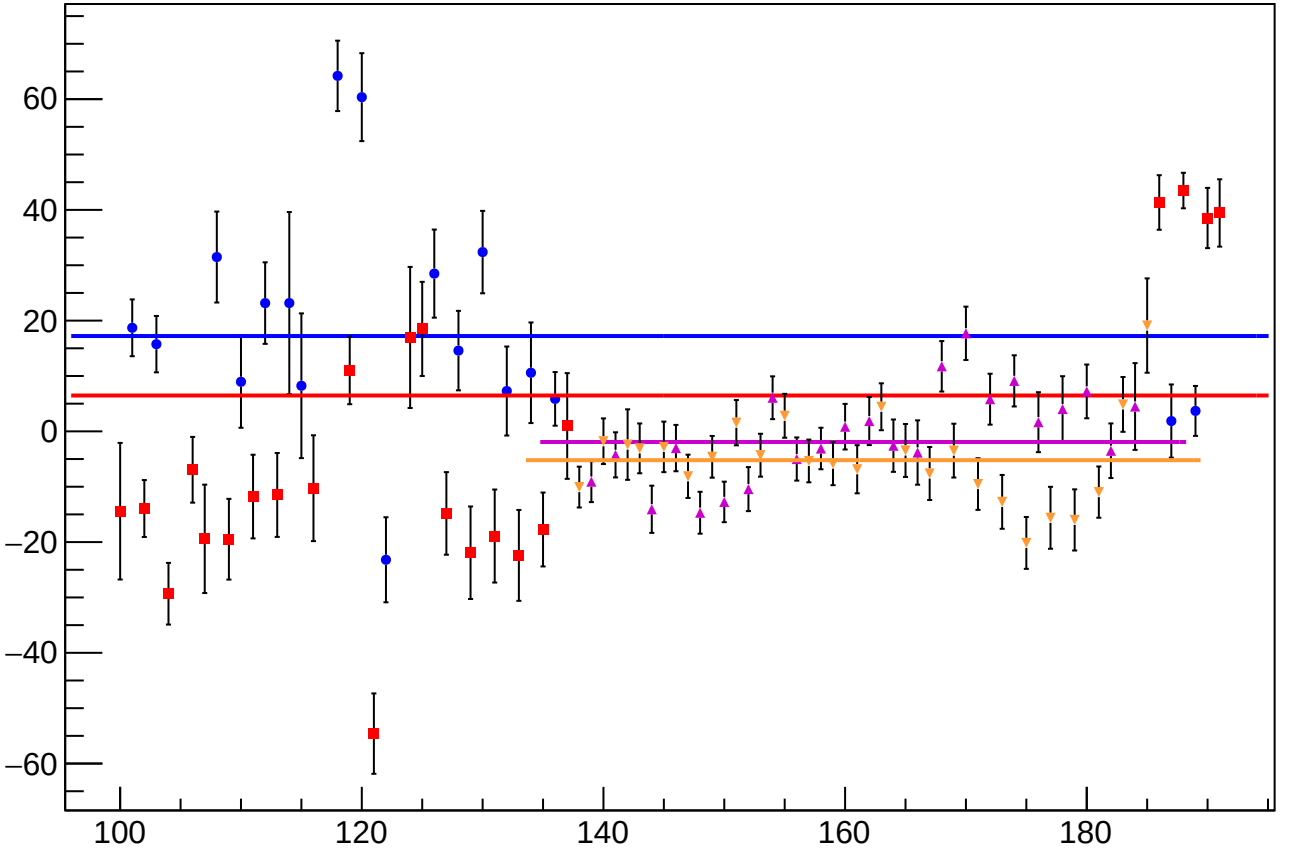
Left In: 88023.592+/-14.651 χ^2/NDF:484812.2/22

+ sign 83669.459+/-11.445 χ^2/NDF: 1098828.9/42

All: 82385.914+/-7.946 χ^2/NDF: 2497498.3/8

- sign 81191.589+/-11.041 χ^2/NDF: 1374390.8/45

diff_bpm0r05Y_mean vs Slug



Right In: 17.216+/-1.608 χ^2/NDF: 145.5/17

Left Out: -5.206+/-0.894 χ^2/NDF:51.0/24

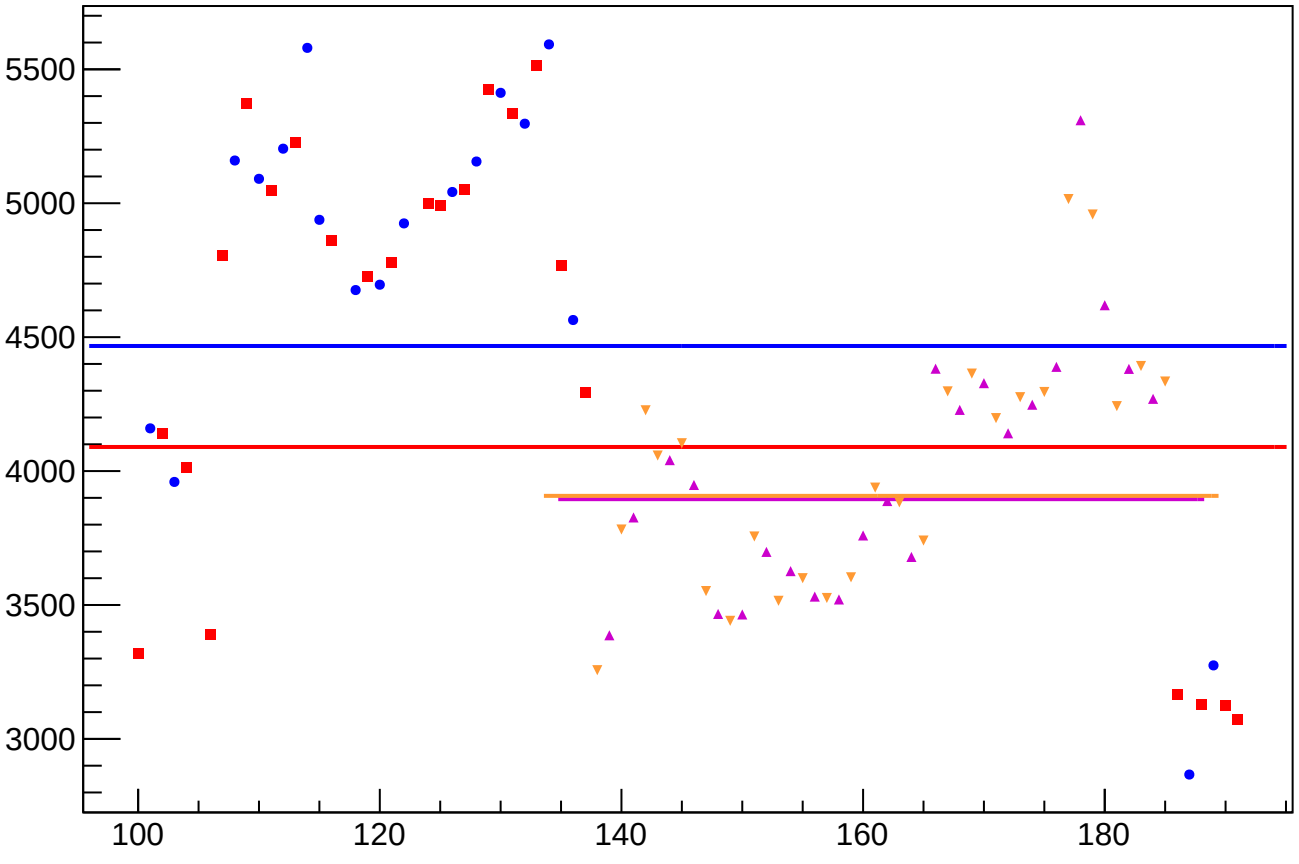
Right Out: 6.475+/-1.361 χ^2/NDF: 475.3/22

Left In: -1.924+/-0.916 χ^2/NDF:83.2/22

+ sign 0.089+/-0.781 χ^2/NDF: 345.1/42

All: 0.400+/-0.545 χ^2/NDF: 930.1/88

- sign 0.695+/-0.760 χ^2/NDF: 584.7/45



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: 4089.979+/-0.962 χ^2/NDF: 850304.4/22

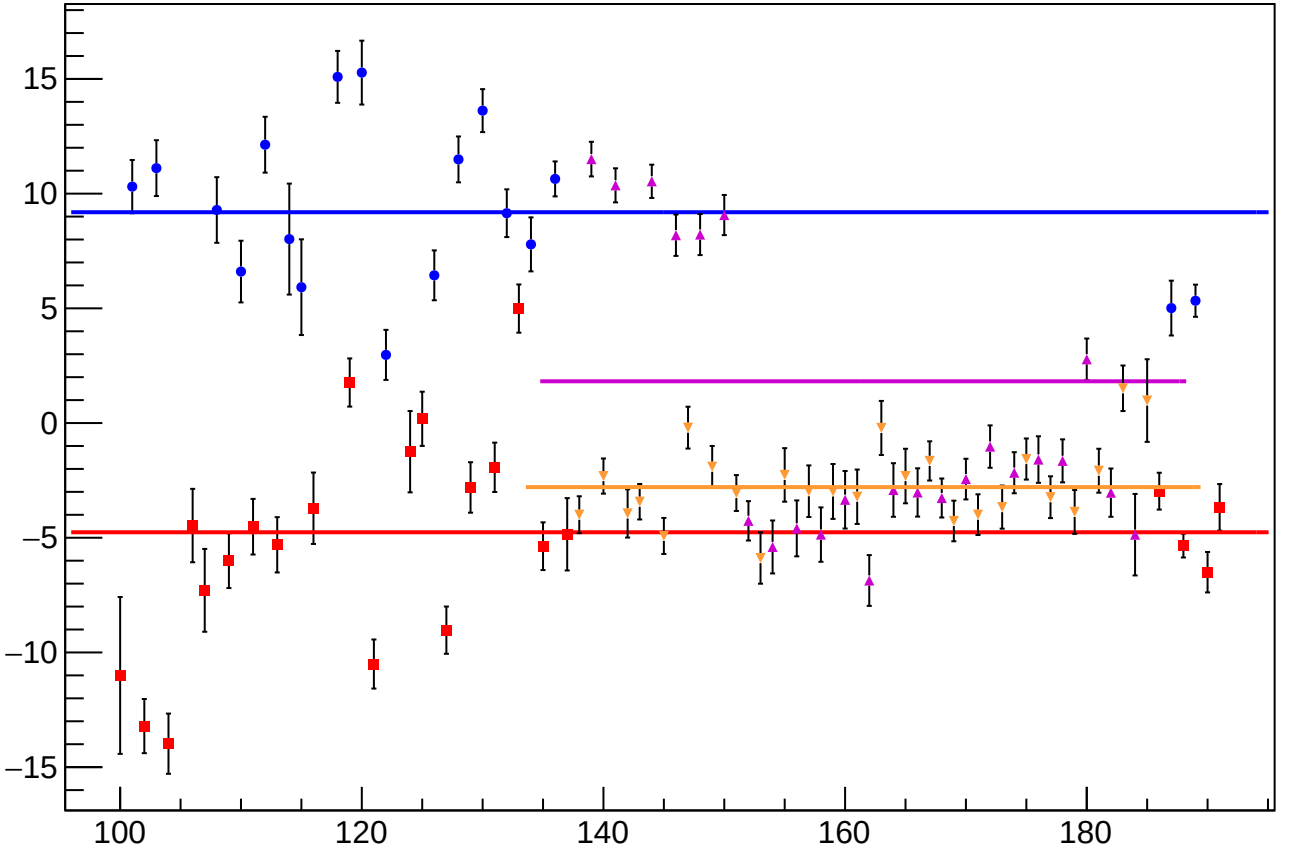
Left In: 3895.108+/-0.648 χ^2/NDF:409913.9/22

+ sign 4039.607+/-0.552 χ^2/NDF: 1092506.2/42

All: 3996.595+/-0.385 χ^2/NDF: 2392737.1/88

- sign 3955.876+/-0.537 χ^2/NDF: 1288428.4/45

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: -4.761+/-0.225 χ^2/NDF: 321.5/22

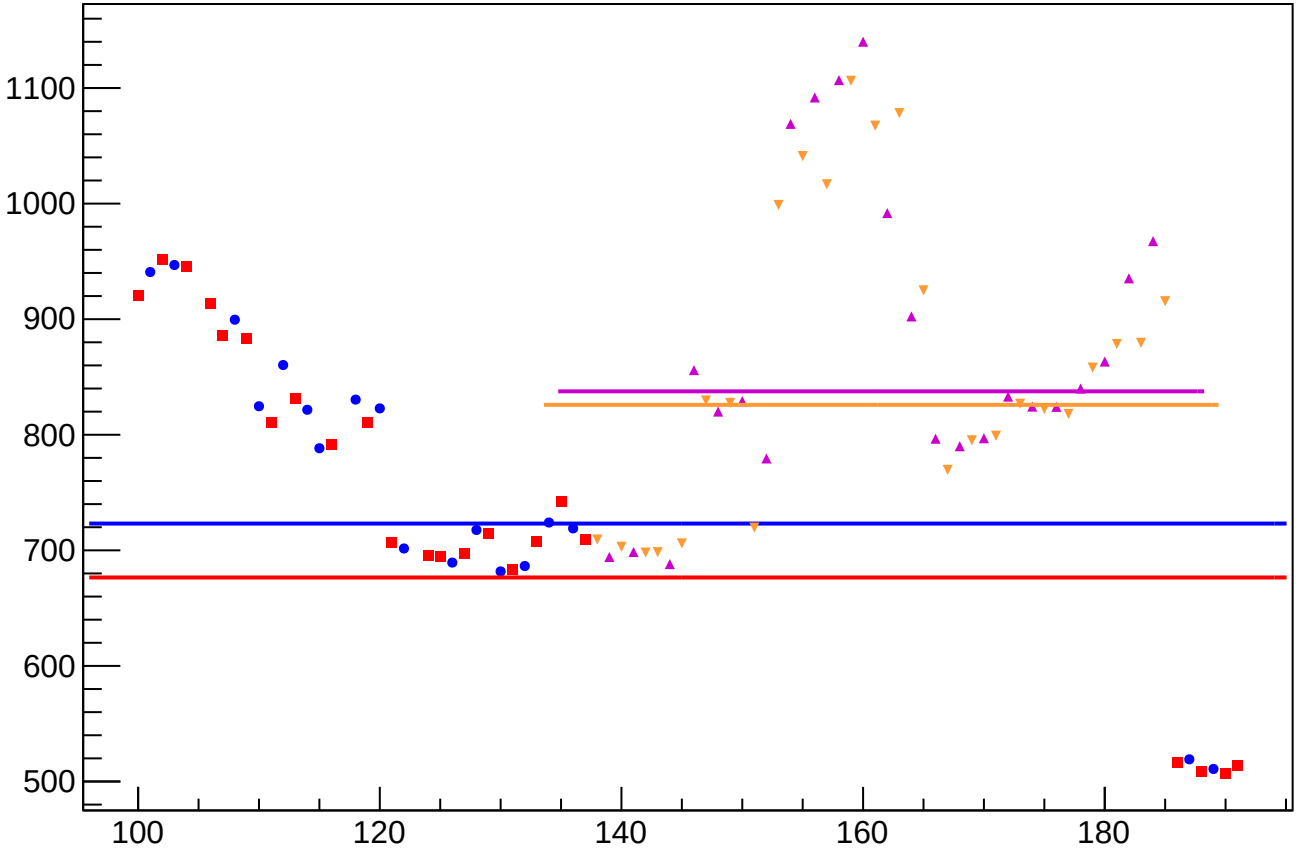
Left In: 1.820+/-0.198 χ^2/NDF:1026.0/22

+ sign 1.375+/-0.154 χ^2/NDF: 1626.8/42

All: 0.121+/-0.107 χ^2/NDF: 3585.8/88

- sign -1.056+/-0.149 χ^2/NDF: 1829.6/45

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: 676.519+/-0.159 χ^2/NDF: 864620.0/22

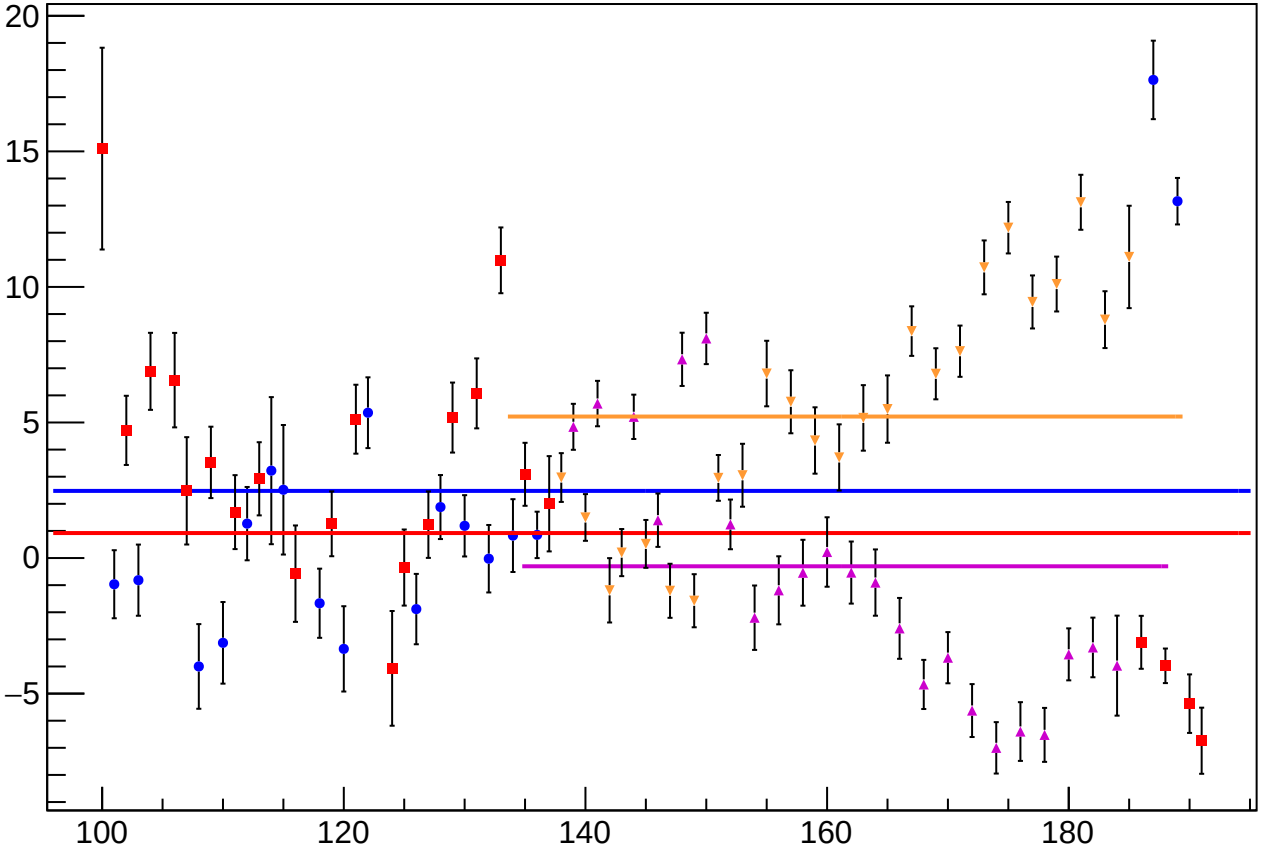
Left In: 837.569+/-0.140 χ^2/NDF:714157.0/22

+ sign 790.161+/-0.109 χ^2/NDF: 1457766.8/42

All: 778.305+/-0.076 χ^2/NDF: 3636995.9/88

- sign 767.181+/-0.105 χ^2/NDF: 2156103.6/45

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: 0.922+/-0.263 χ^2/NDF: 325.6/22

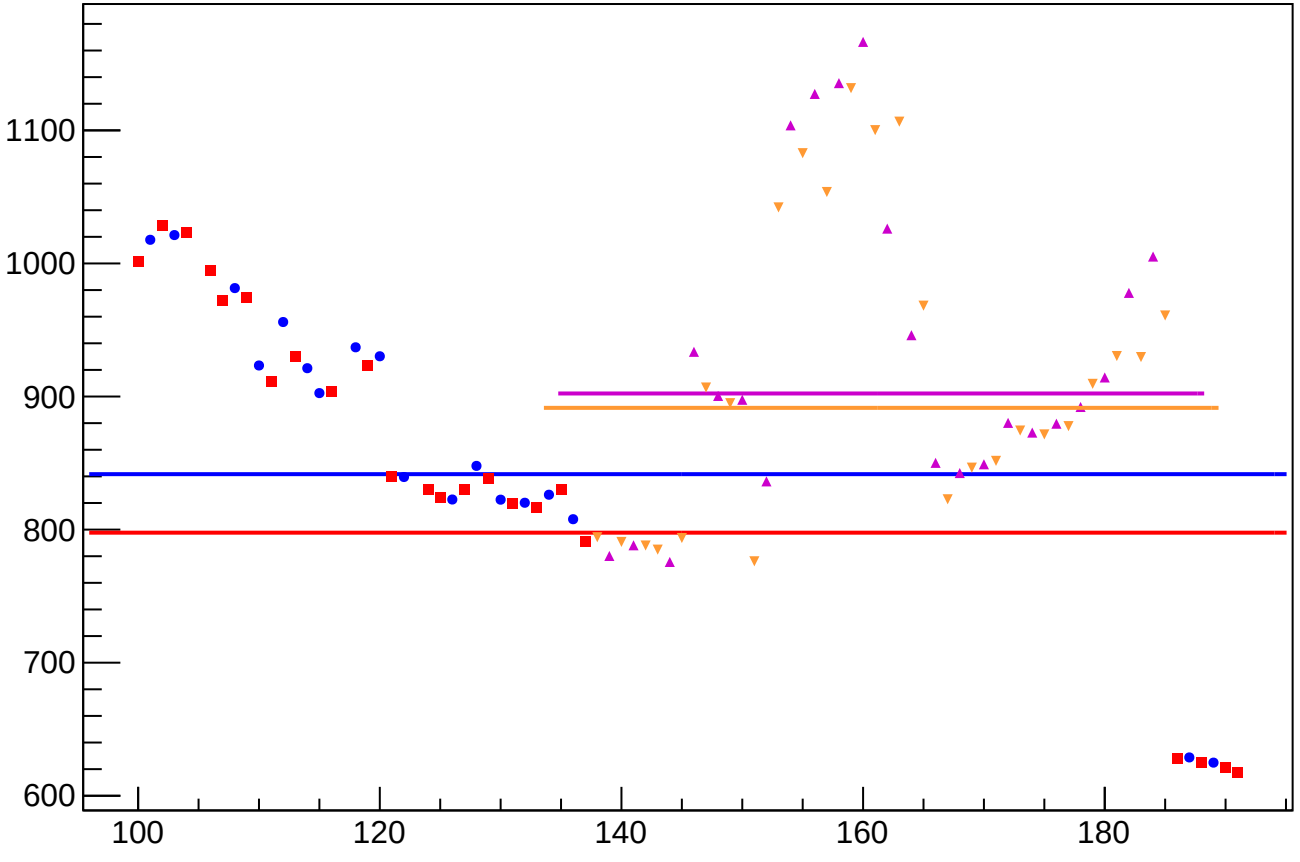
Left In: -0.304+/-0.213 χ^2/NDF:495.2/22

+ sign 4.354+/-0.169 χ^2/NDF: 868.4/42

All: 2.221+/-0.118 χ^2/NDF: 2013.7/88

- sign 0.180+/-0.165 χ^2/NDF: 833.9/45

diff_bpm2i01Y_rms vs Slug



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: 797.697+/-0.186 χ^2/NDF: 575444.2/22

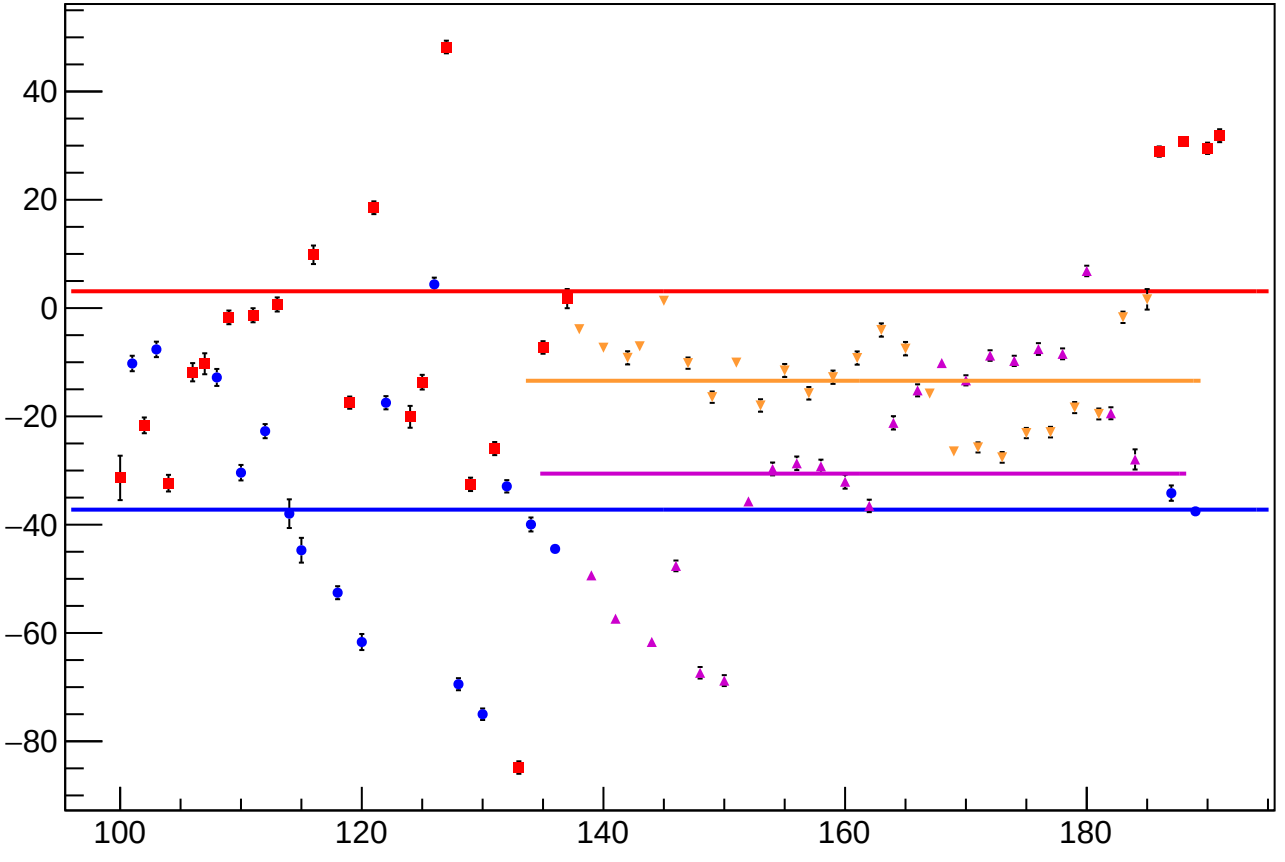
Left In: 902.292+/-0.150 χ^2/NDF:484924.8/22

+ sign 875.783+/-0.120 χ^2/NDF: 864832.4/42

All: 868.208+/-0.084 χ^2/NDF: 2124228.6/88

- sign 860.962+/-0.117 χ^2/NDF: 1251545.2/45

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: 3.104+/-0.256 χ^2/NDF: 14618.5/22

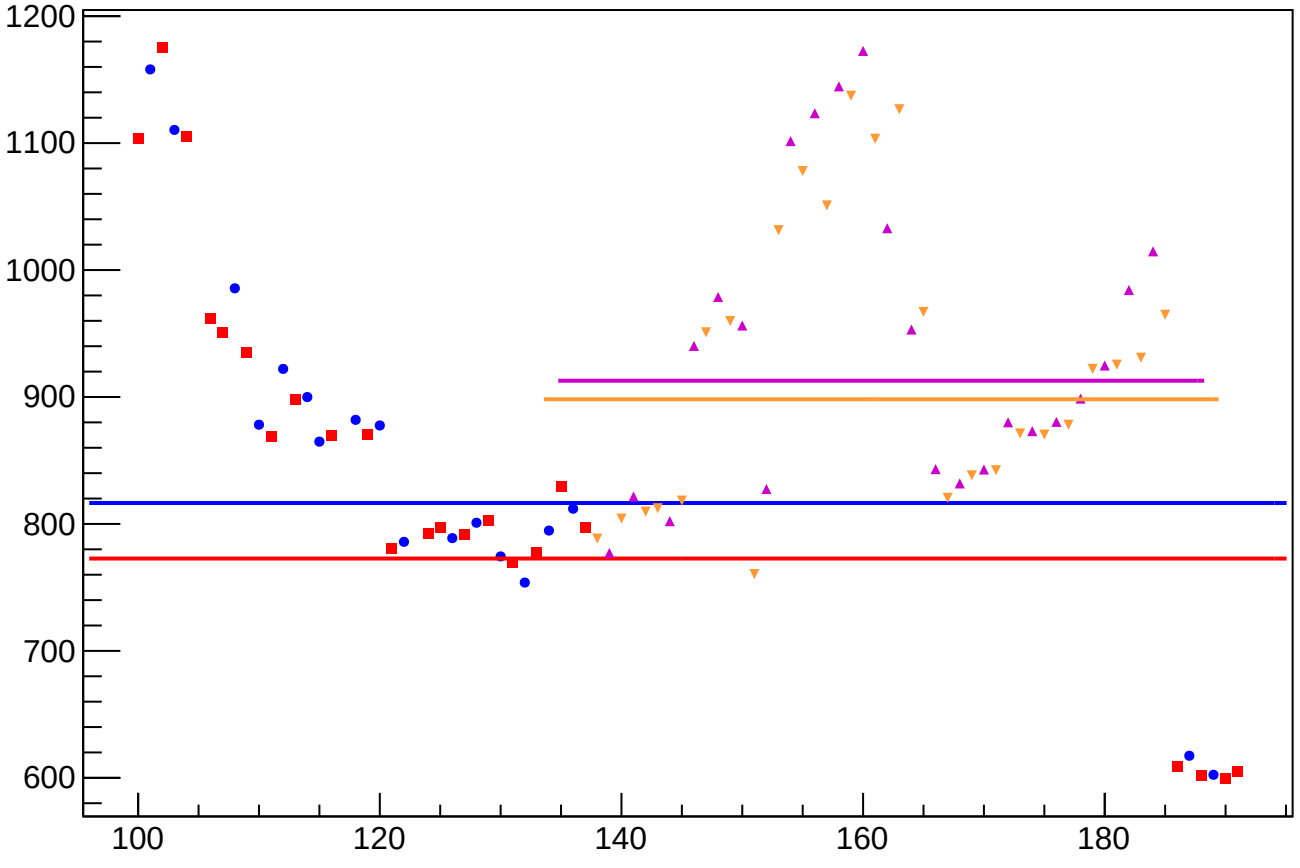
Left In: -30.571+/-0.215 χ^2/NDF:10386.5/22

\+ sign -21.278+/-0.169 χ^2/NDF: 11262.1/42

All: -18.891+/-0.118 χ^2/NDF: 46810.9/88

\- sign -16.614+/-0.165 χ^2/NDF: 35157.0/45

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: 772.752+/-0.181 χ^2/NDF: 703205.8/22

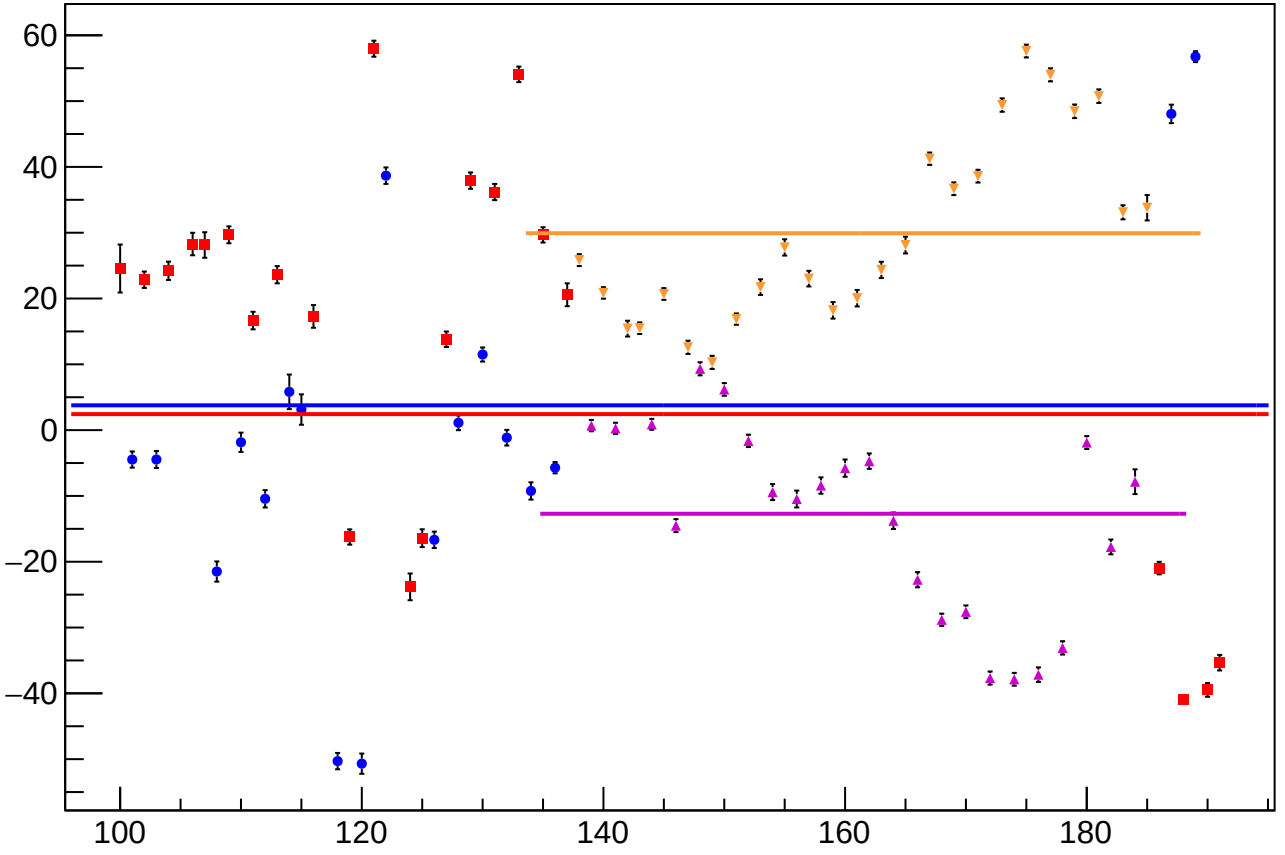
Left In: 912.817+/-0.152 χ^2/NDF:480021.0/22

+ sign 871.245+/-0.119 χ^2/NDF: 1059559.8/42

All: 862.810+/-0.083 χ^2/NDF: 2603820.3/88

- sign 854.762+/-0.116 χ^2/NDF: 1534474.1/45

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: 2.433+/-0.255 χ^2/NDF: 17025.4/22

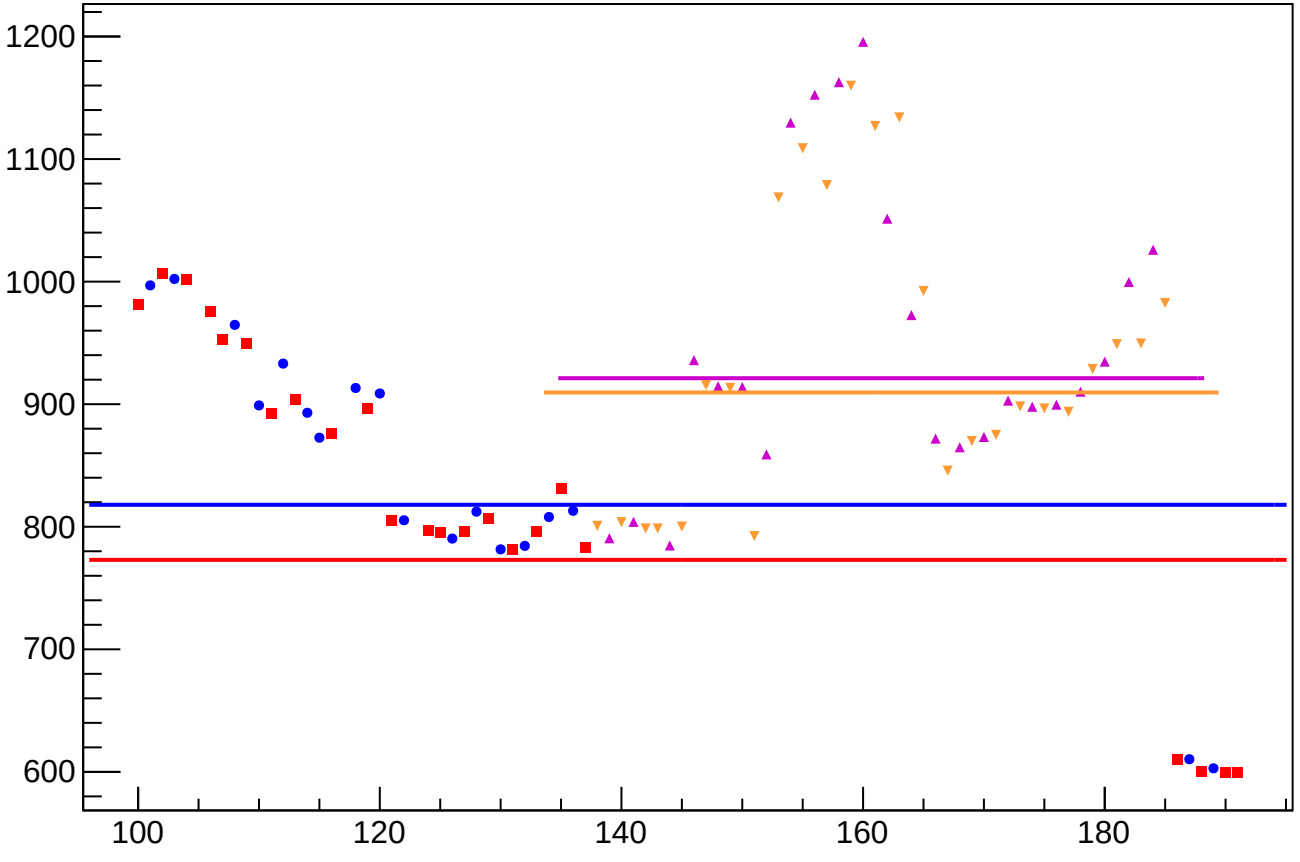
Left In: -12.708+/-0.217 χ^2/NDF:4791.2/22

+ sign 21.121+/-0.170 χ^2/NDF: 19939.6/42

All: 7.016+/-0.118 χ^2/NDF: 57225.1/88

- sign -6.348+/-0.165 χ^2/NDF: 23859.3/45

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: 773.003+/-0.180 χ^2/NDF: 606104.8/22

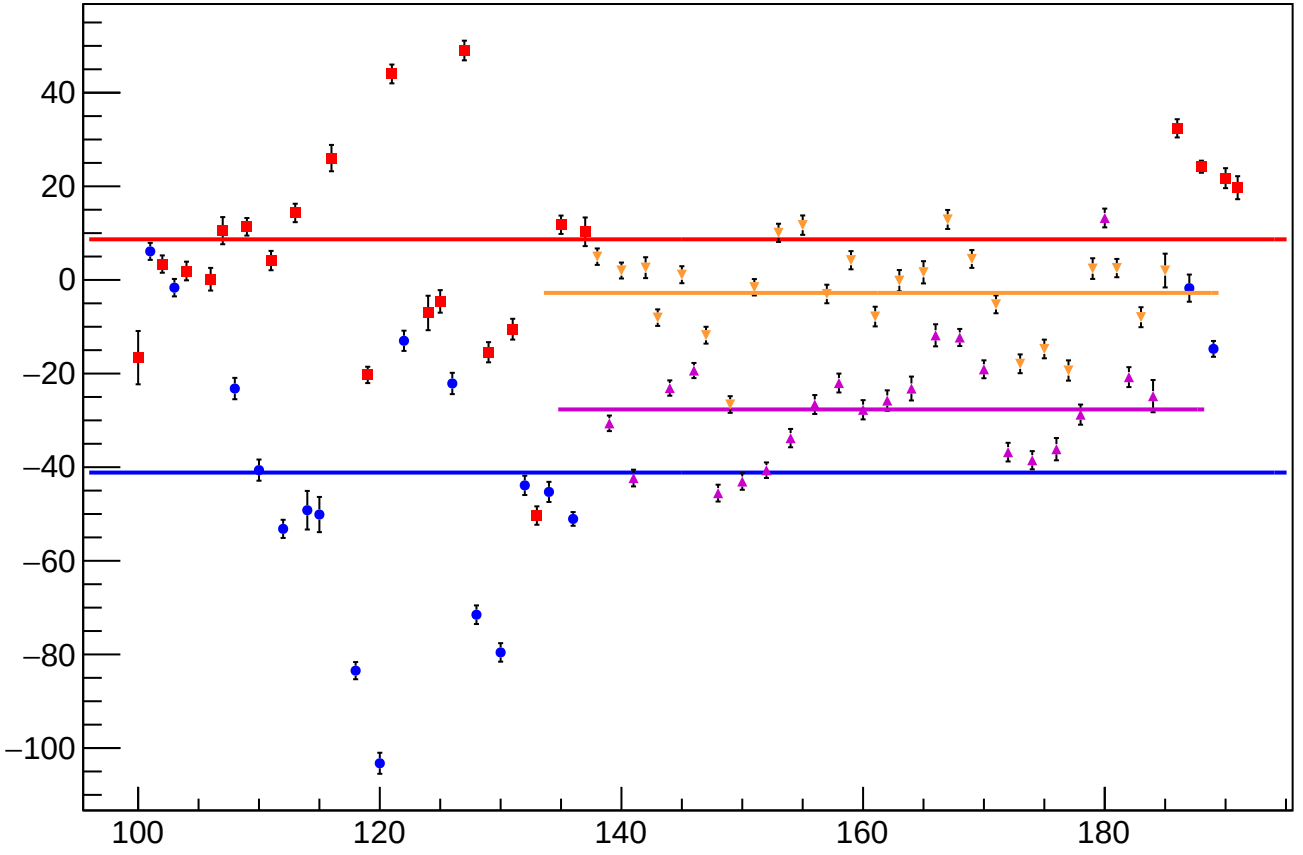
Left In: 921.198+/-0.154 χ^2/NDF:497337.0/22

+ sign 878.716+/-0.120 χ^2/NDF: 1000145.5/42

All: 868.566+/-0.084 χ^2/NDF: 2508837.0/88

- sign 858.950+/-0.117 χ^2/NDF: 1494788.2/45

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: 8.676+/-0.442 χ^2/NDF: 2559.7/22

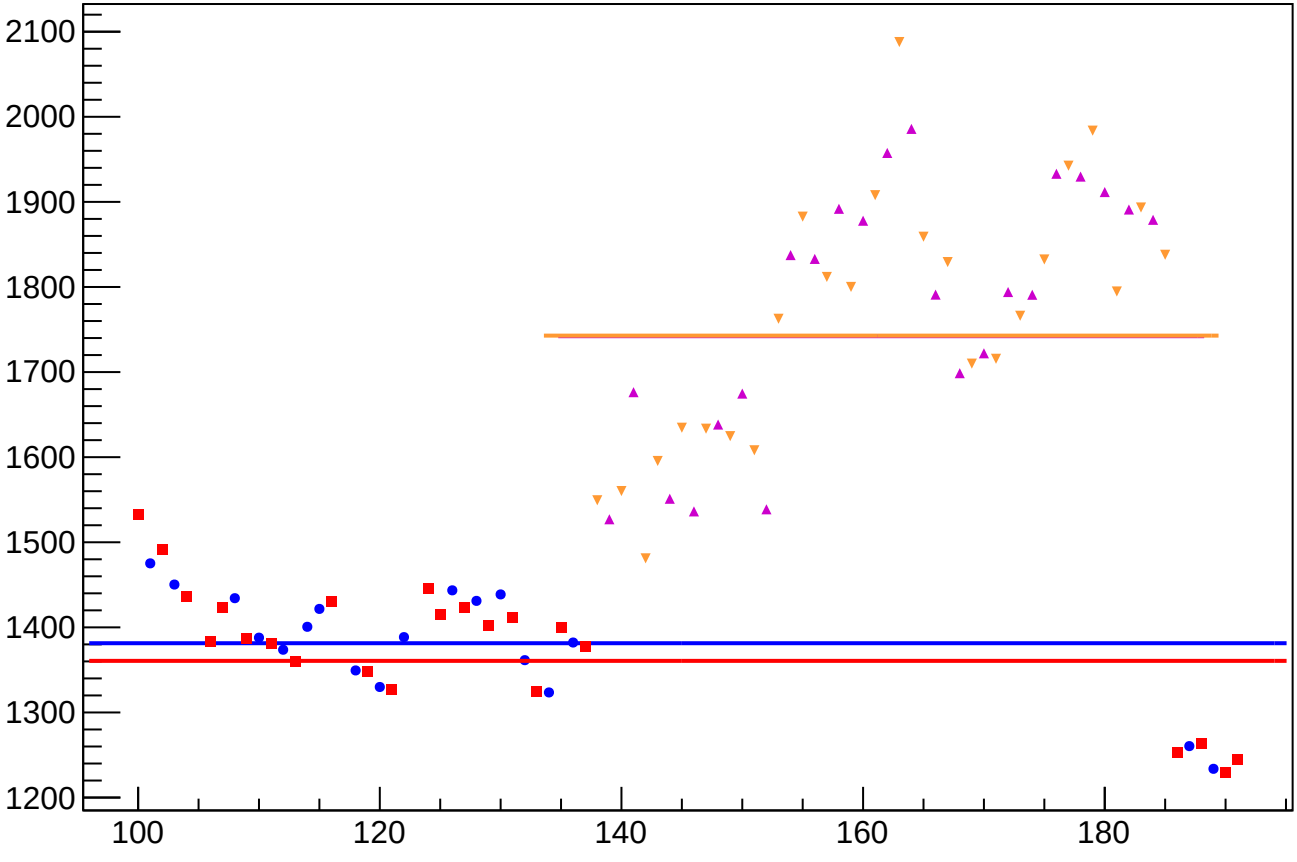
Left In: -27.663+/-0.409 χ^2/NDF:989.9/22

+ sign -18.002+/-0.309 χ^2/NDF: 8176.1/42

All: -14.369+/-0.215 χ^2/NDF: 15635.1/88

- sign -10.931+/-0.300 χ^2/NDF: 7189.3/45

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: 1360.628+/-0.313 χ^2/NDF: 55063.4/22

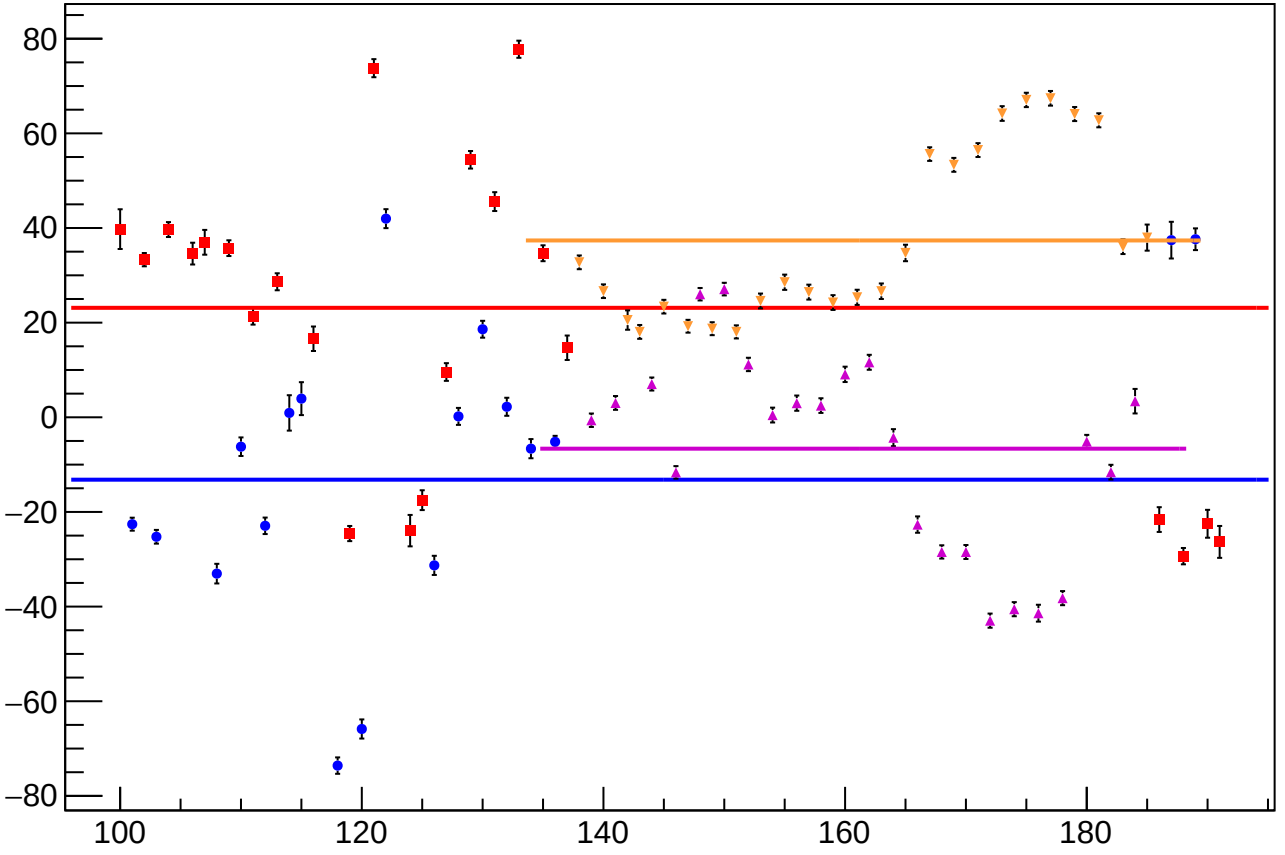
Left In: 1742.153+/-0.289 χ^2/NDF:261606.6/22

+ sign 1599.366+/-0.218 χ^2/NDF: 955732.1/42

All: 1582.470+/-0.152 χ^2/NDF: 2086474.6/88

- sign 1566.480+/-0.212 χ^2/NDF: 1119074.9/45

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: 23.134+/-0.417 χ^2/NDF: 5578.5/22

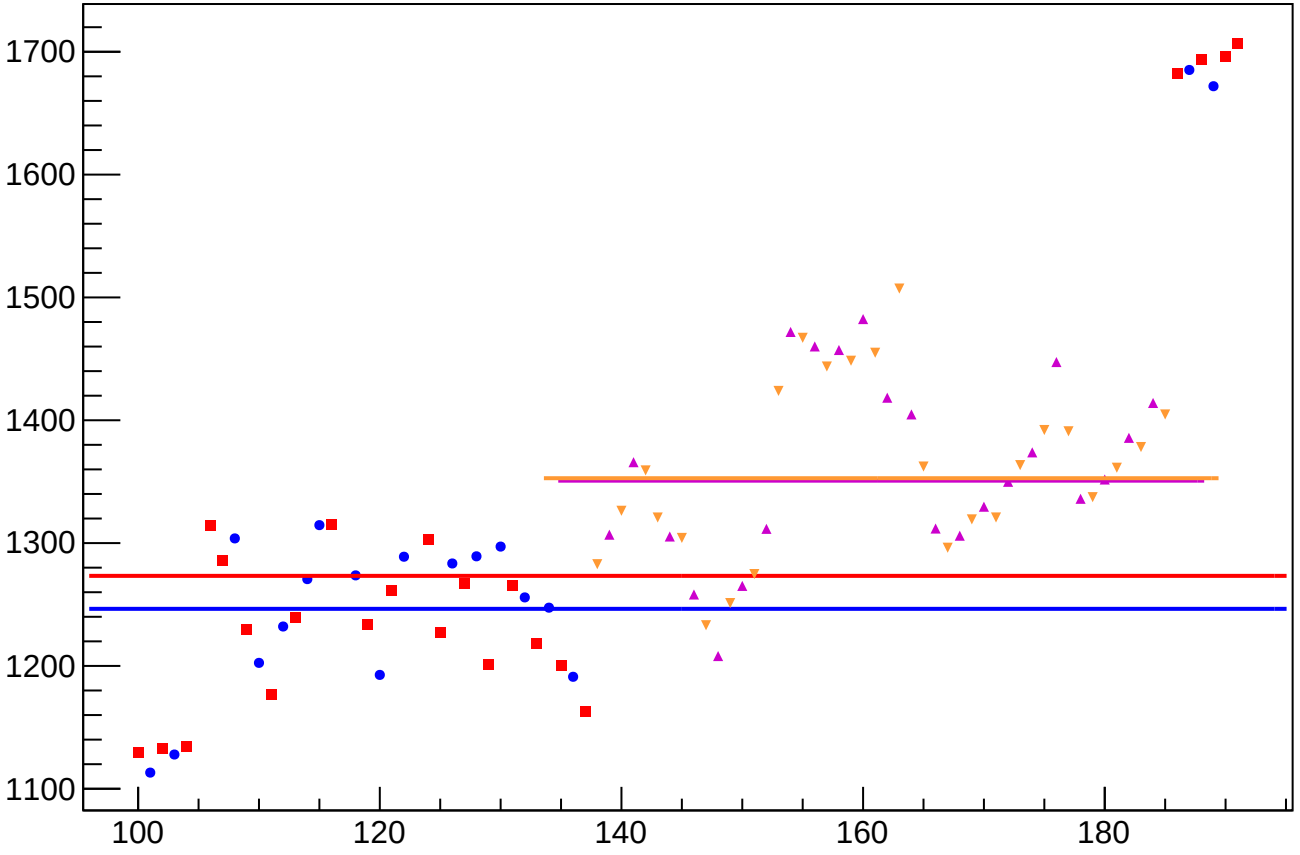
Left In: -6.631+/-0.316 χ^2/NDF:4410.3/22

\+ sign 20.936+/-0.253 χ^2/NDF: 16333.1/42

All: 12.548+/-0.178 χ^2/NDF: 31748.1/88

\- sign 4.228+/-0.252 χ^2/NDF: 13224.2/45

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: 1273.325+/-0.295 χ^2/NDF: 303651.2/22

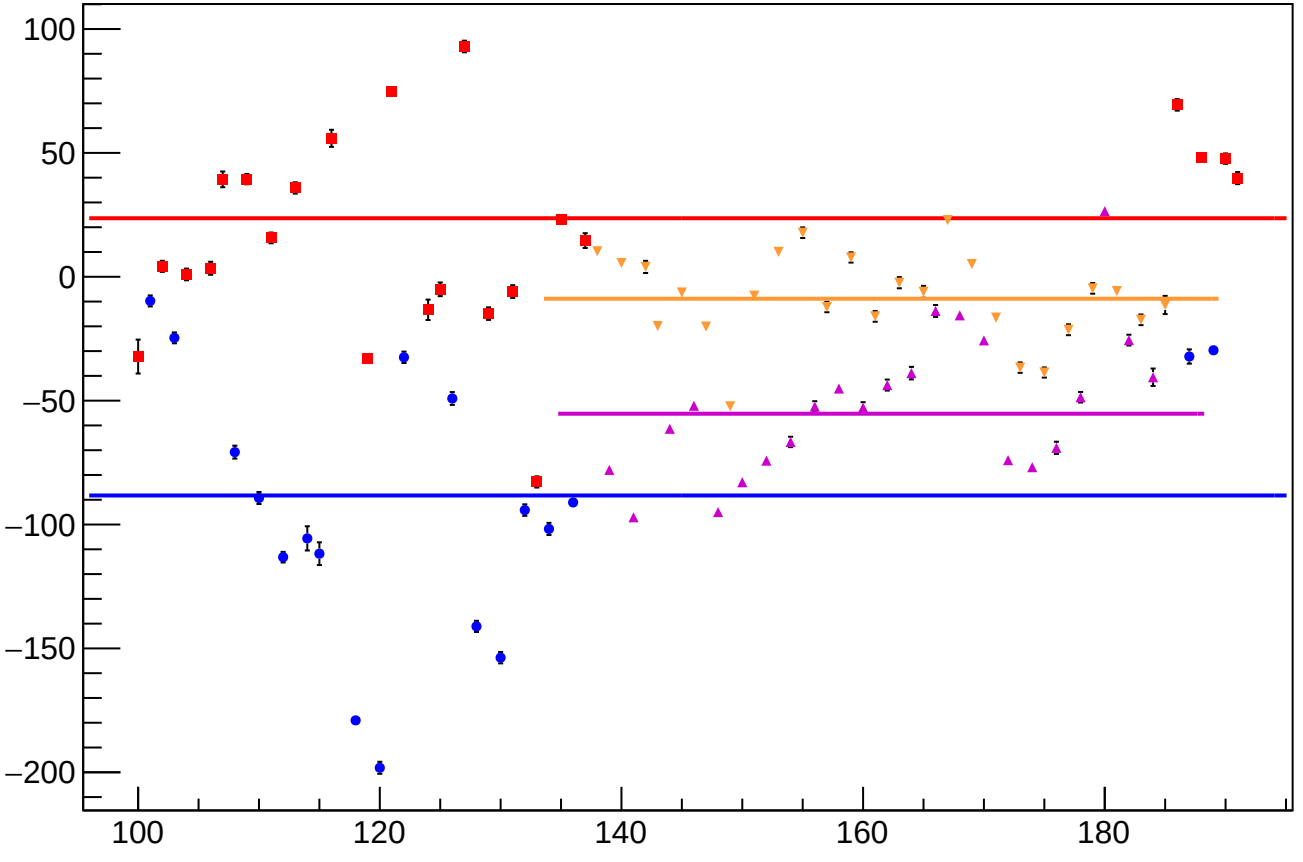
Left In: 1350.830+/-0.223 χ^2/NDF:108618.5/22

+ sign 1318.251+/-0.179 χ^2/NDF: 322583.4/42

All: 1320.411+/-0.126 χ^2/NDF: 779016.5/88

- sign 1322.553+/-0.178 χ^2/NDF: 456142.5/45

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: 23.630+/-0.484 χ^2/NDF: 6560.0/22

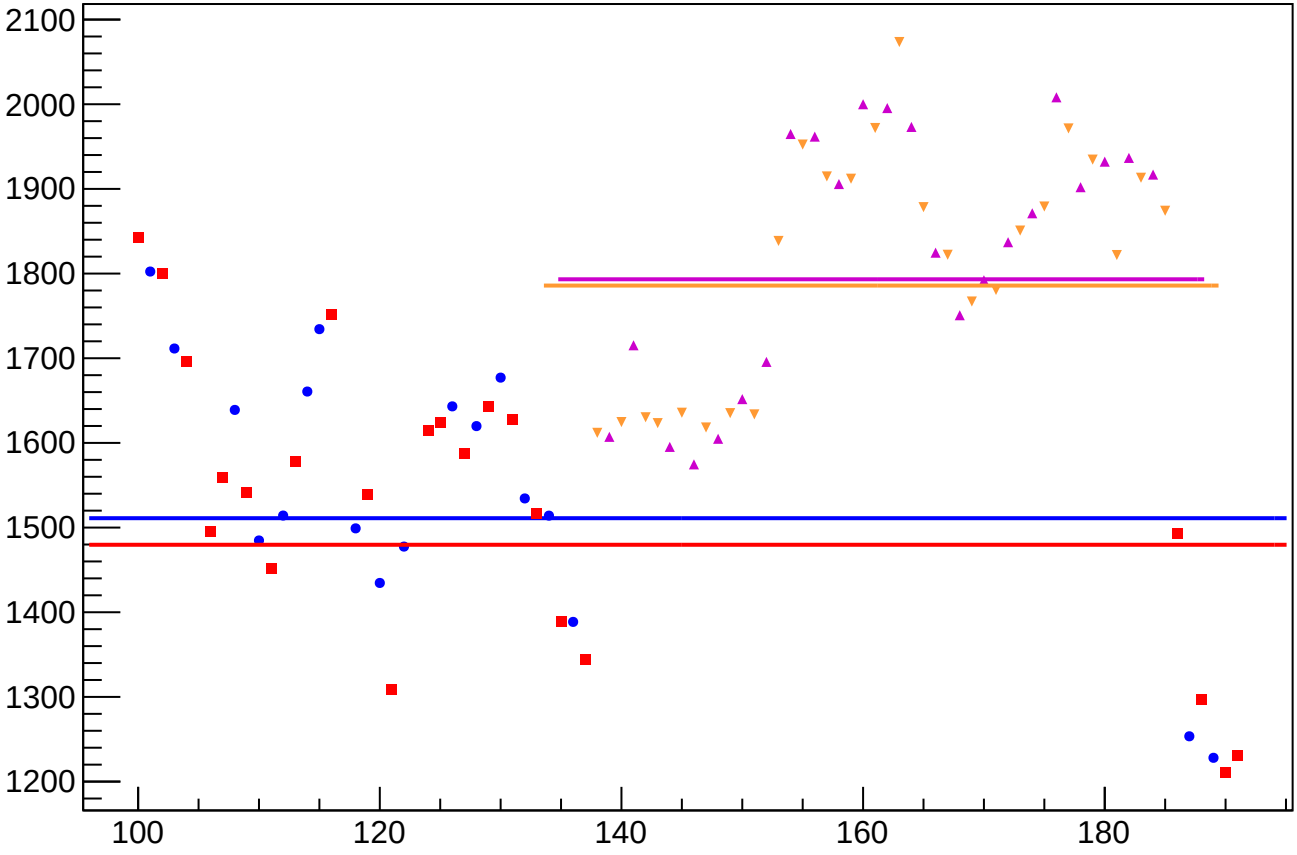
Left In: -55.266+/-0.420 χ^2/NDF:4736.1/22

+ sign -37.757+/-0.325 χ^2/NDF: 25932.3/42

All: -29.334+/-0.227 χ^2/NDF: 53703.2/88

- sign -21.294+/-0.317 χ^2/NDF: 26456.1/45

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: 1479.693+/-0.342 χ^2/NDF: 227605.0/22

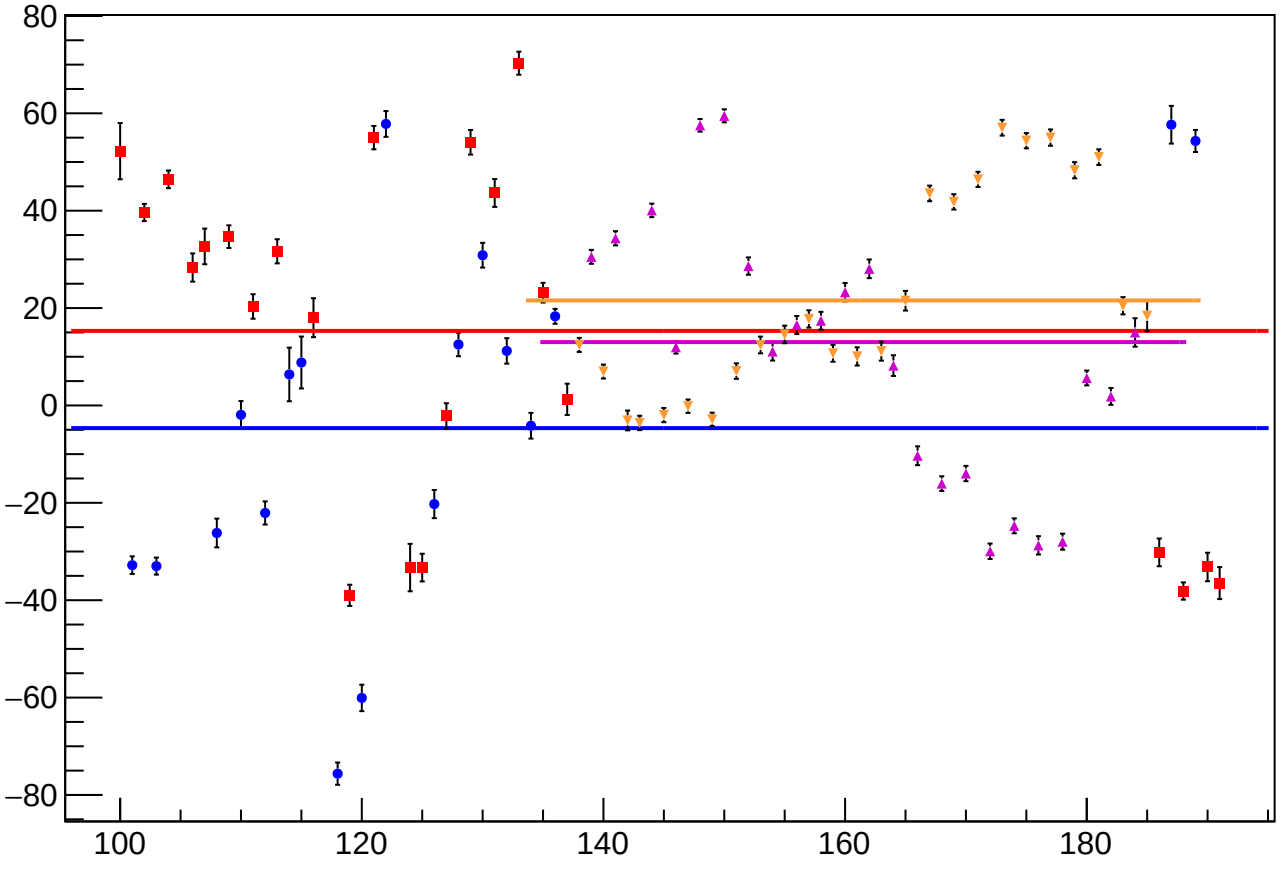
Left In: 1793.249+/-0.297 χ^2/NDF:252788.2/22

+ sign 1685.852+/-0.230 χ^2/NDF: 740293.6/42

All: 1671.722+/-0.160 χ^2/NDF: 1706985.5/88

- sign 1658.233+/-0.224 χ^2/NDF: 959290.7/45

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: 15.310+/-0.530 χ^2/NDF: 4609.6/22

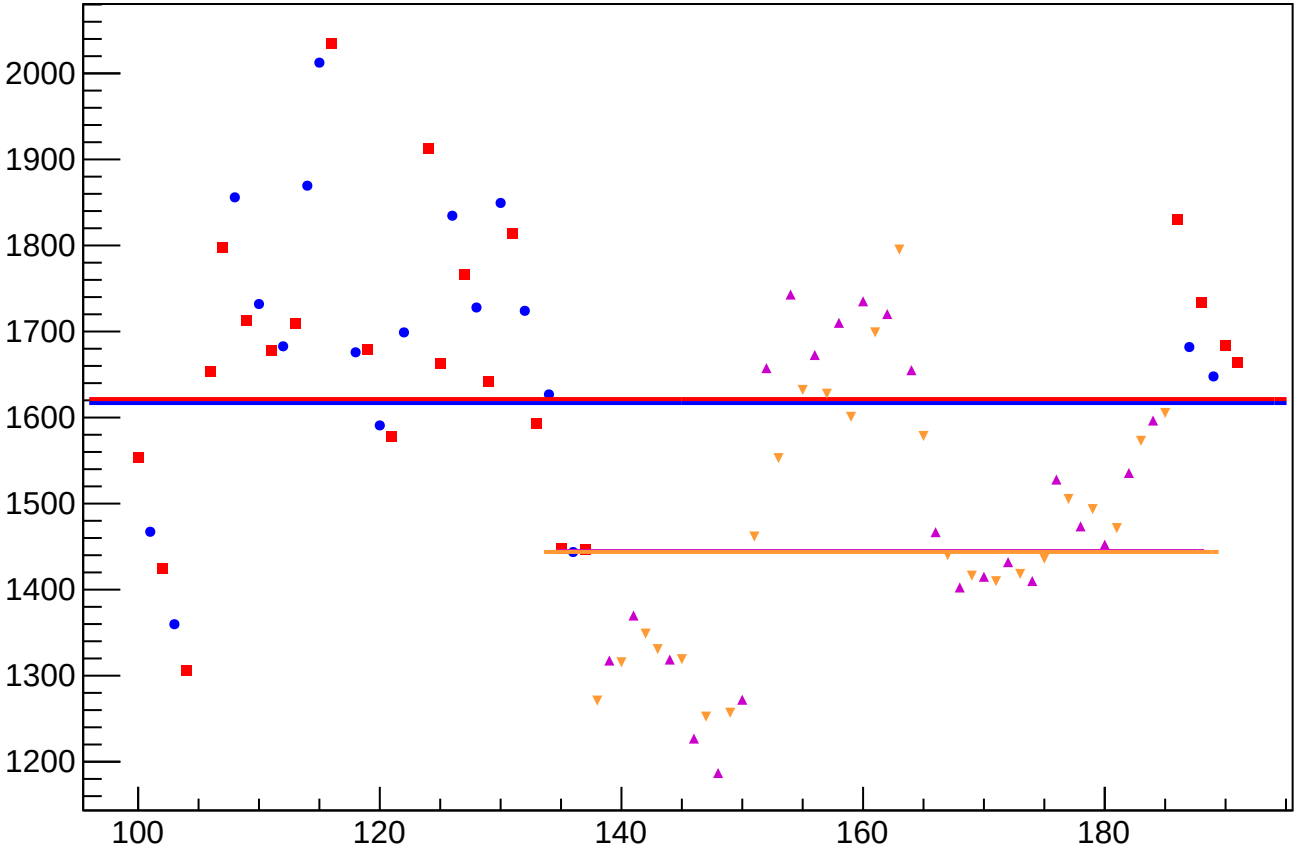
Left In: 13.014+/-0.340 χ^2/NDF:6627.2/22

+ sign 15.095+/-0.286 χ^2/NDF: 9752.1/42

All: 14.389+/-0.202 χ^2/NDF: 21014.4/88

- sign 13.683+/-0.286 χ^2/NDF: 11250.2/45

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: 1621.502+/-0.375 χ^2/NDF: 184440.7/22

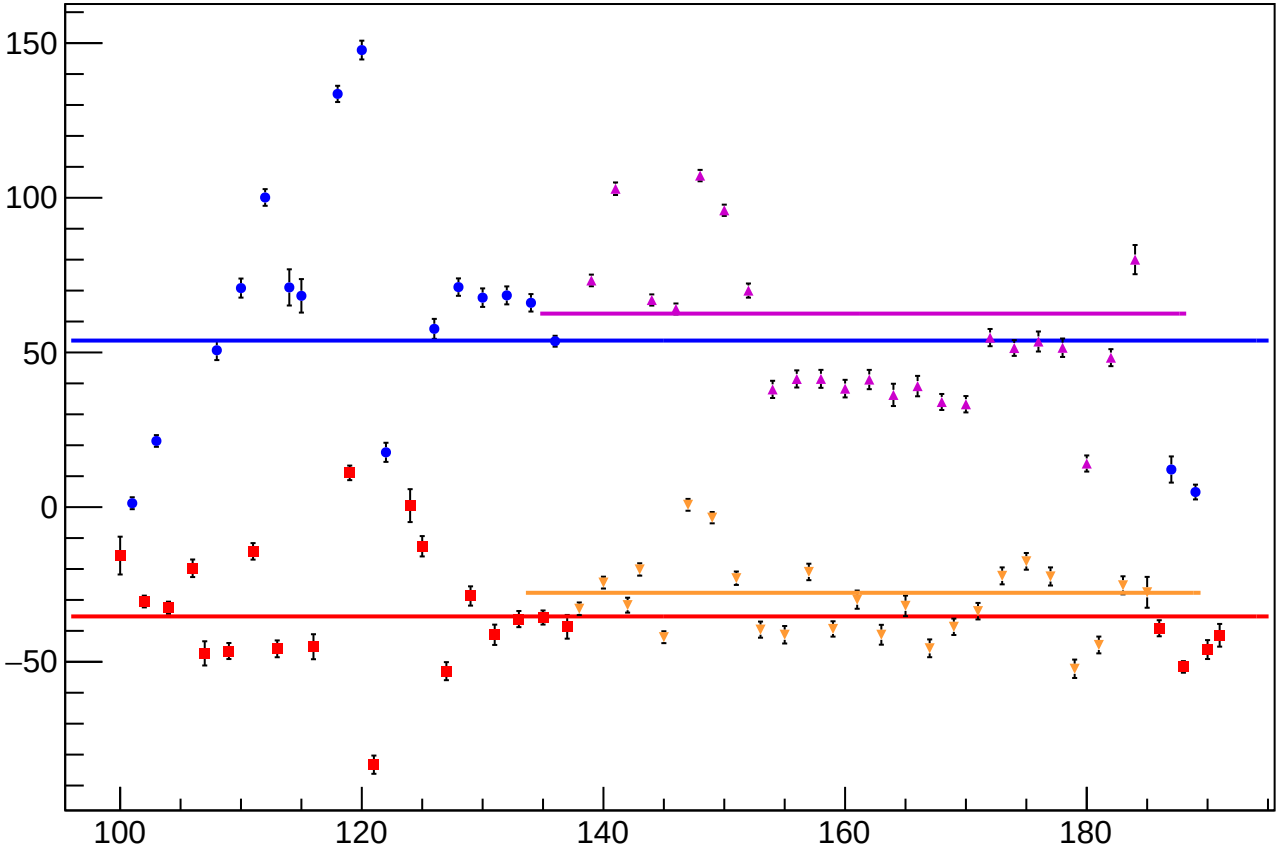
Left In: 1444.817+/-0.240 χ^2/NDF:485230.7/22

+ sign 1486.532+/-0.202 χ^2/NDF: 643903.7/42

All: 1491.442+/-0.143 χ^2/NDF: 1472240.7/88

- sign 1496.347+/-0.202 χ^2/NDF: 827161.2/45

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: -35.331+/-0.578 χ^2/NDF: 1043.4/22

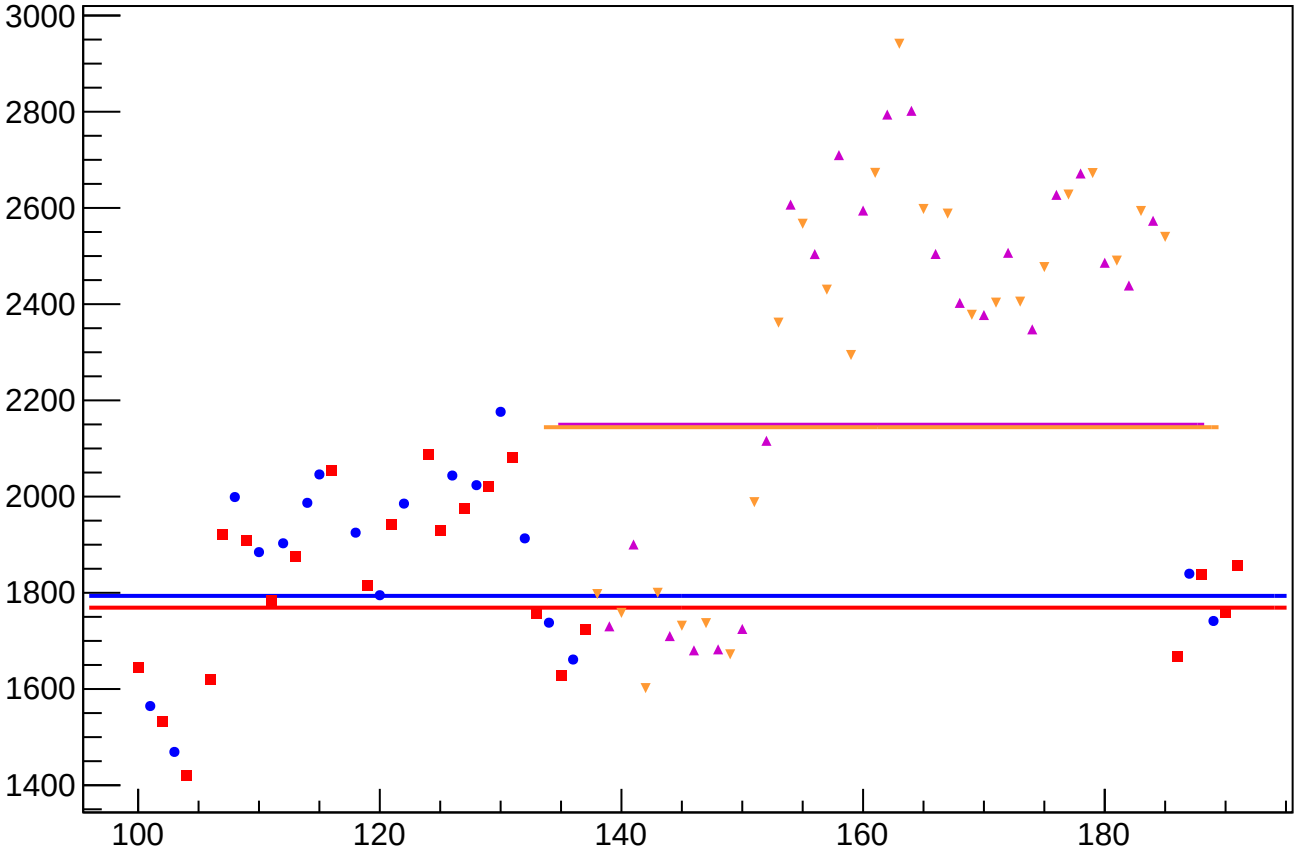
Left In: 62.558+/-0.512 χ^2/NDF:2458.2/22

+ sign 2.909+/-0.392 χ^2/NDF: 14919.4/42

All: 11.419+/-0.274 χ^2/NDF: 35418.2/88

- sign 19.549+/-0.383 χ^2/NDF: 19577.5/45

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: 1769.120+/-0.409 χ^2/NDF: 196966.7/22

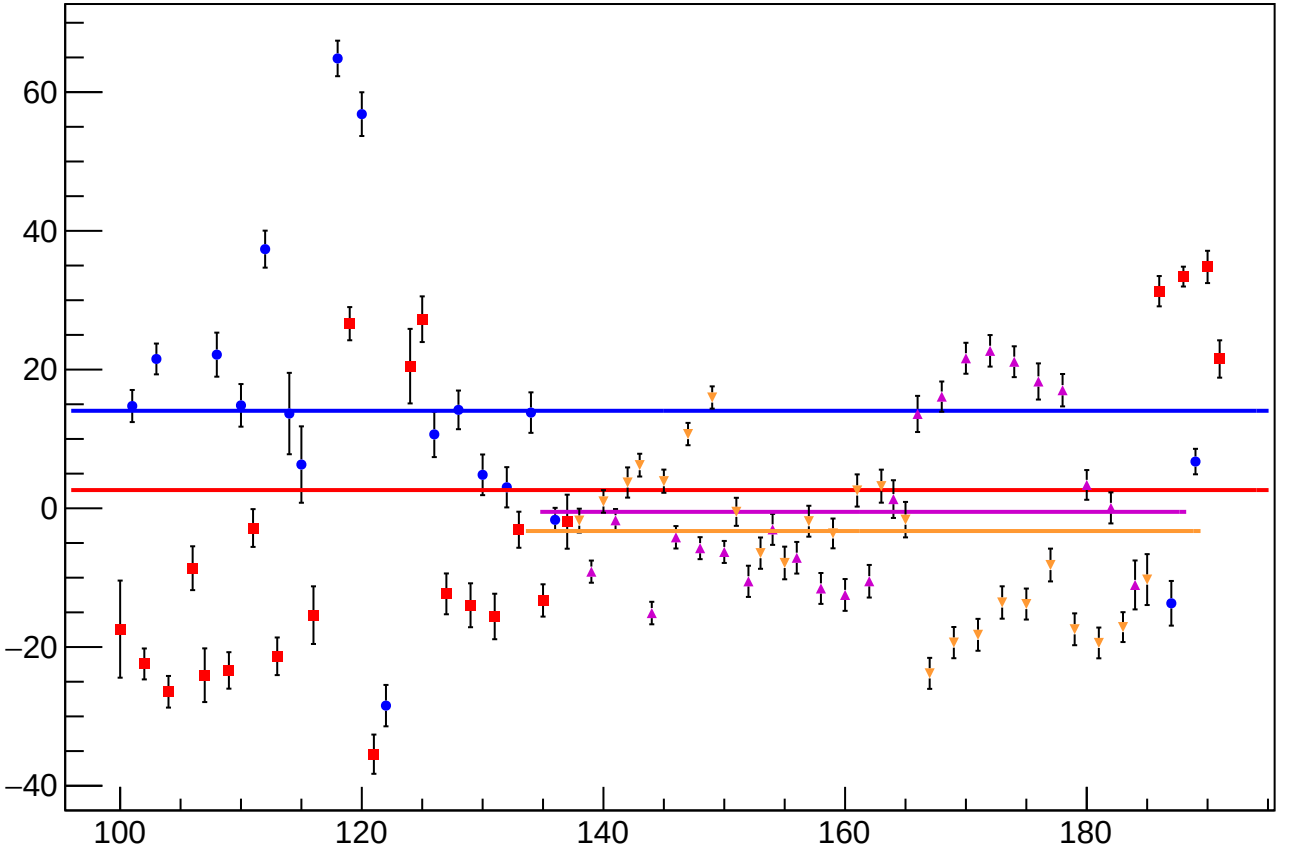
Left In: 2149.354+/-0.362 χ^2/NDF:1265722.5/22

+ sign 2012.631+/-0.277 χ^2/NDF: 1849283.2/42

All: 1997.114+/-0.194 χ^2/NDF: 3803214.3/88

- sign 1982.292+/-0.271 χ^2/NDF: 1947805.6/45

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: 2.630+/-0.558 χ^2/NDF: 1917.0/22

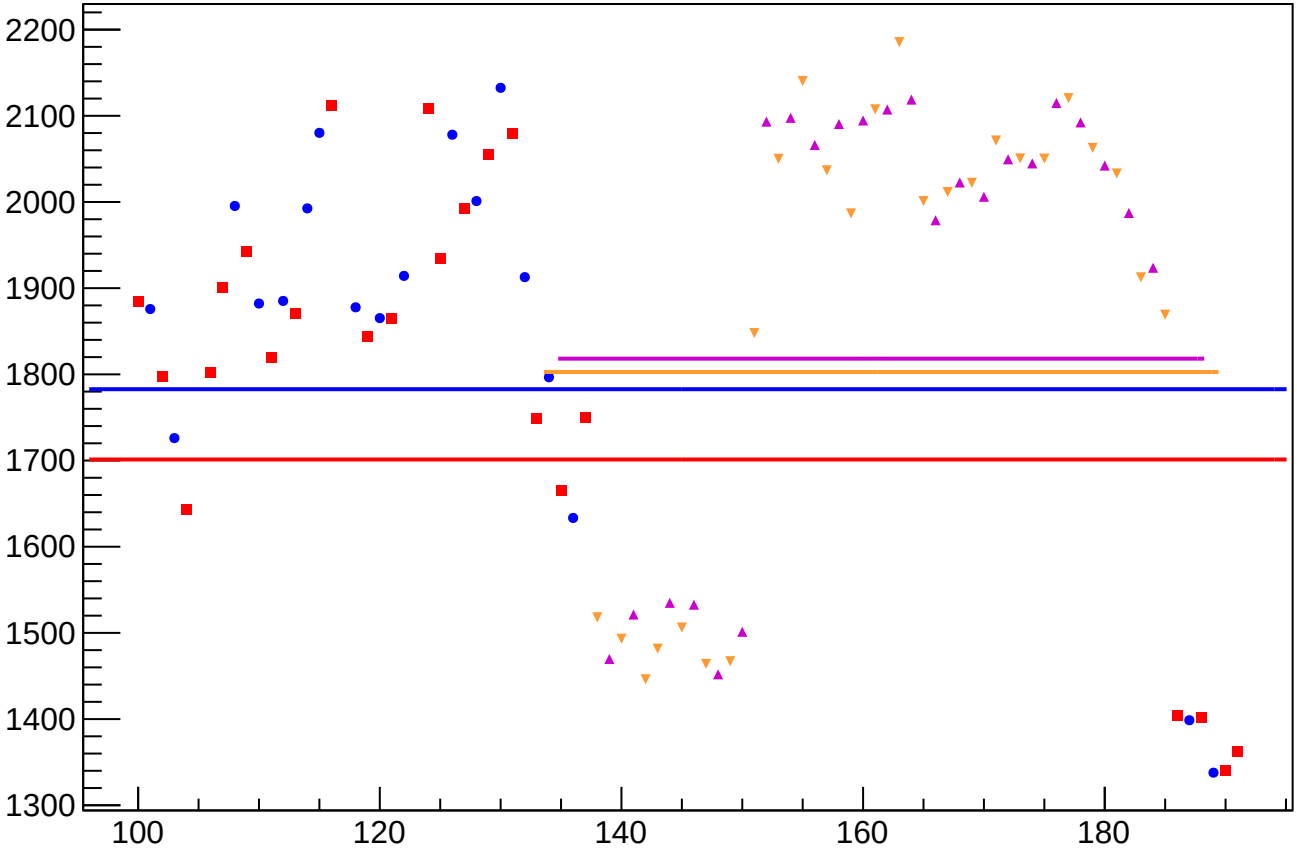
Left In: -0.511+/-0.430 χ^2/NDF:745.8/22

+ sign 1.882+/-0.348 χ^2/NDF: 2265.5/42

All: 1.258+/-0.243 χ^2/NDF: 4954.6/88

- sign 0.658+/-0.341 χ^2/NDF: 2682.7/45

diff_bpm0i05Y_rms vs Slug



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: 1701.205+/-0.395 χ^2/NDF: 373602.0/22

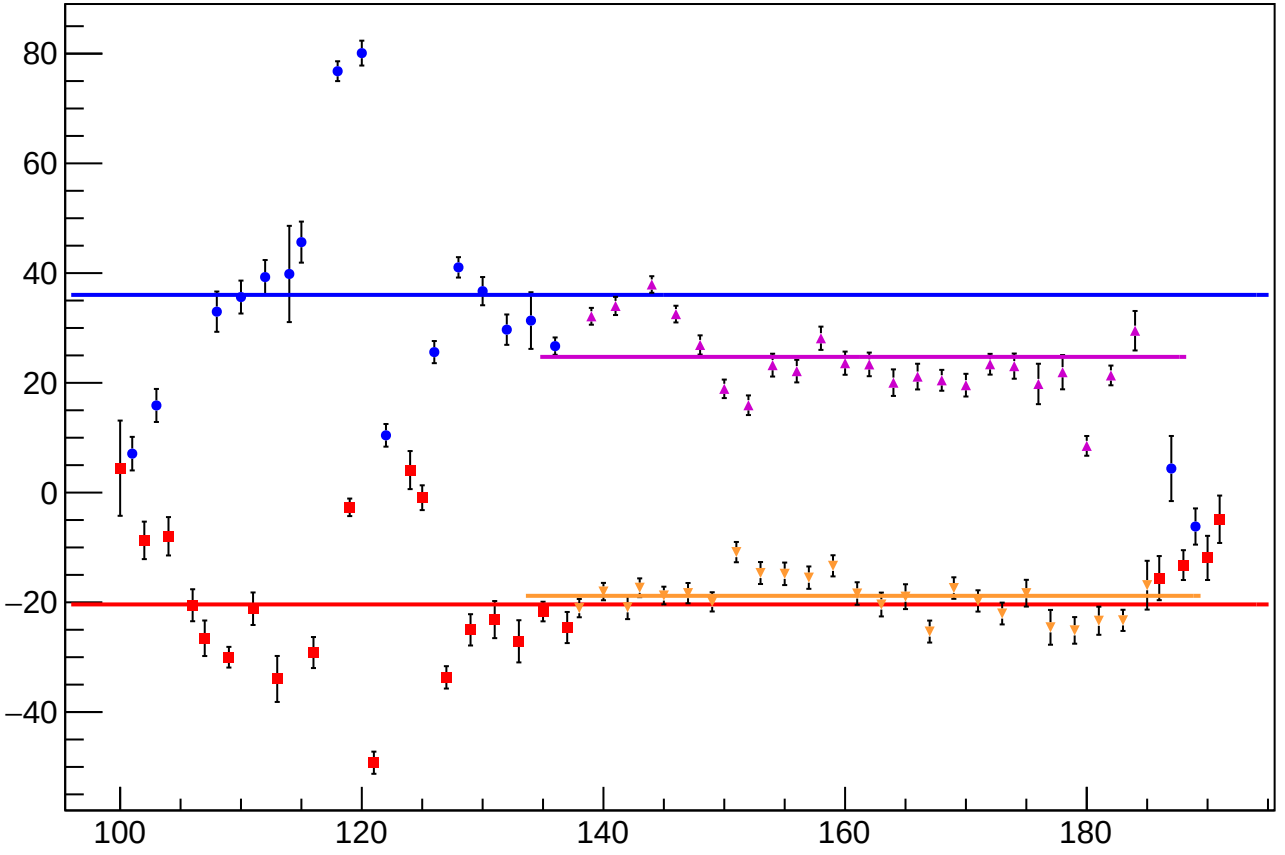
Left In: 1818.225+/-0.304 χ^2/NDF:840353.0/22

+ sign 1796.801+/-0.246 χ^2/NDF: 1155422.5/42

All: 1785.523+/-0.172 χ^2/NDF: 2428665.1/88

- sign 1774.692+/-0.241 χ^2/NDF: 1269113.8/45

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: -20.384+/-0.563 χ^2/NDF: 610.8/22

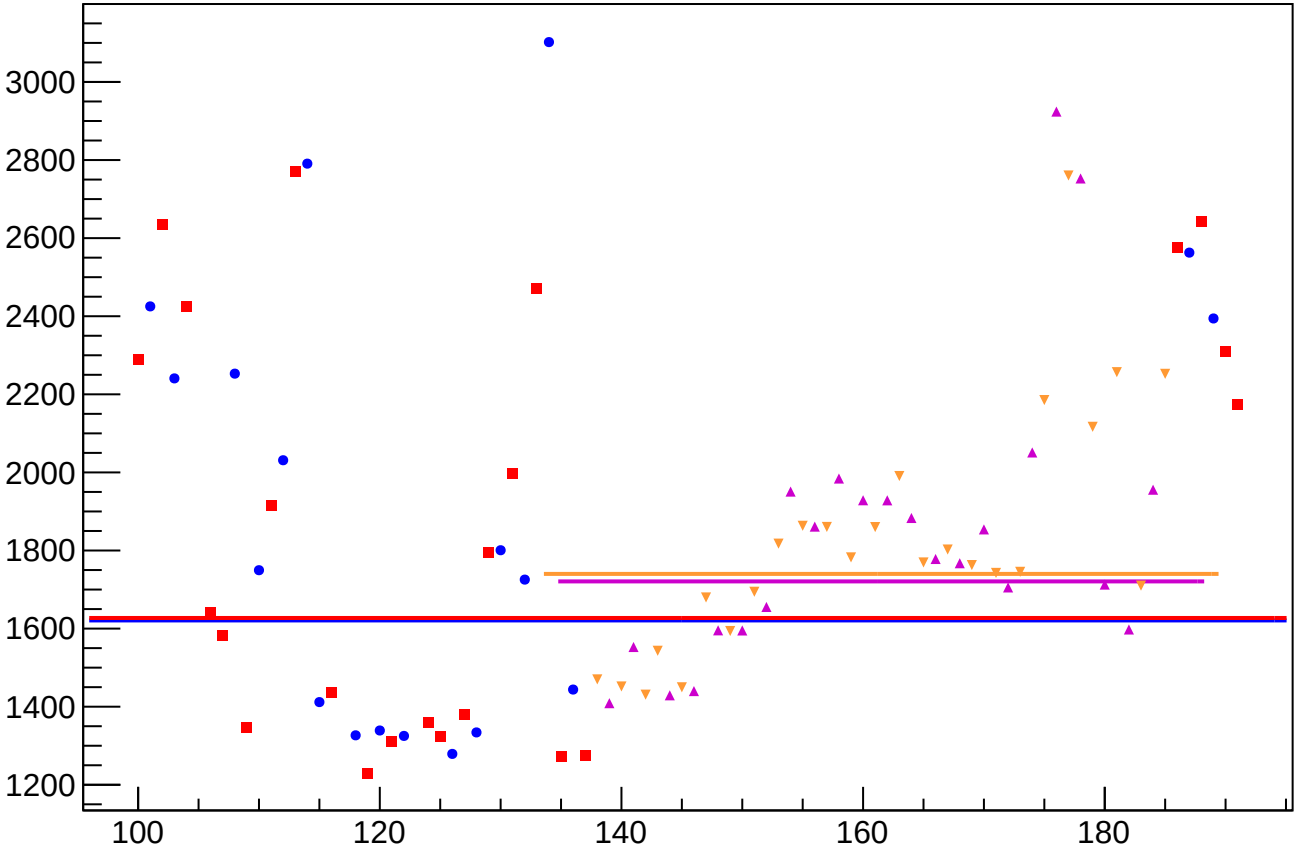
Left In: 24.731+/-0.409 χ^2/NDF:308.0/22

\+ sign -2.150+/-0.335 χ^2/NDF: 7183.7/42

All: 3.579+/-0.235 χ^2/NDF: 12884.8/88

\- sign 9.151+/-0.331 χ^2/NDF: 5125.3/45

diff_bpm0i07X_rms vs Slug



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: 1627.222+/-0.398 χ^2/NDF: 1480997.9/22

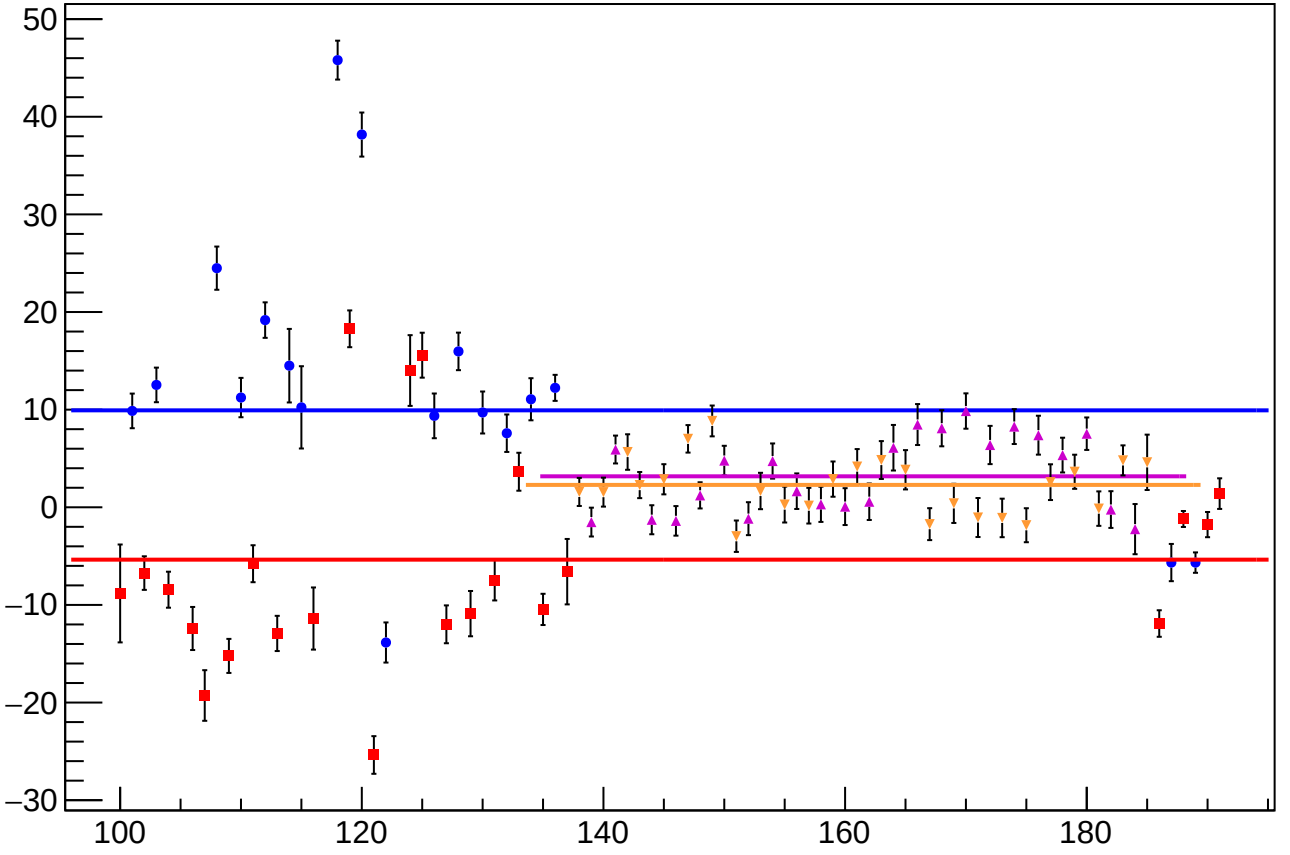
Left In: 1720.864+/-0.289 χ^2/NDF:883990.4/22

+ sign 1703.878+/-0.237 χ^2/NDF: 1762111.7/42

All: 1696.096+/-0.167 χ^2/NDF: 4165469.6/88

- sign 1688.527+/-0.234 χ^2/NDF: 2401233.3/45

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: -5.364+/-0.370 χ^2/NDF: 598.2/22

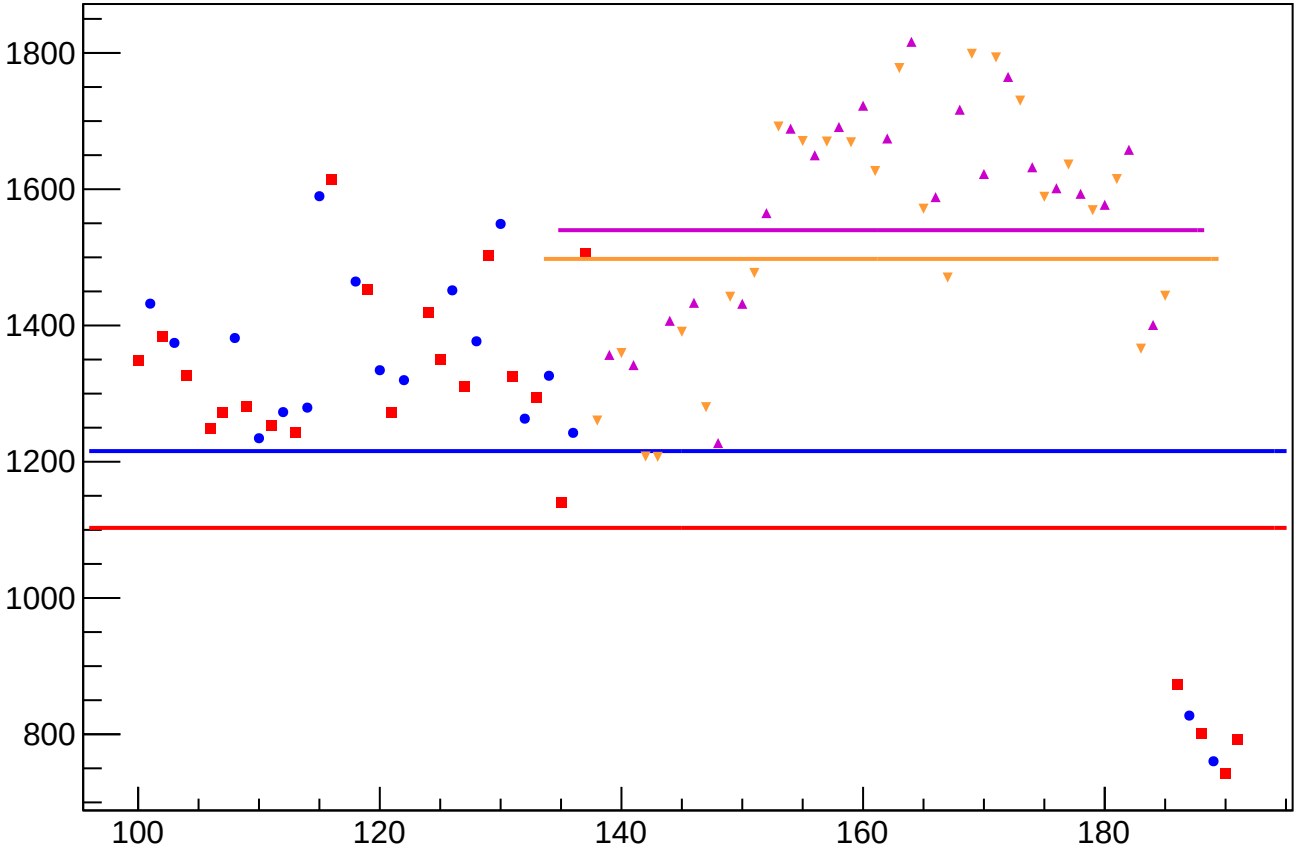
Left In: 3.173+/-0.362 χ^2/NDF:110.4/22

+ sign 5.169+/-0.271 χ^2/NDF: 1252.0/42

All: 1.933+/-0.187 χ^2/NDF: 2504.6/88

- sign -1.013+/-0.259 χ^2/NDF: 980.6/45

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: 1102.924+/-0.261 χ^2/NDF: 1041991.7/22

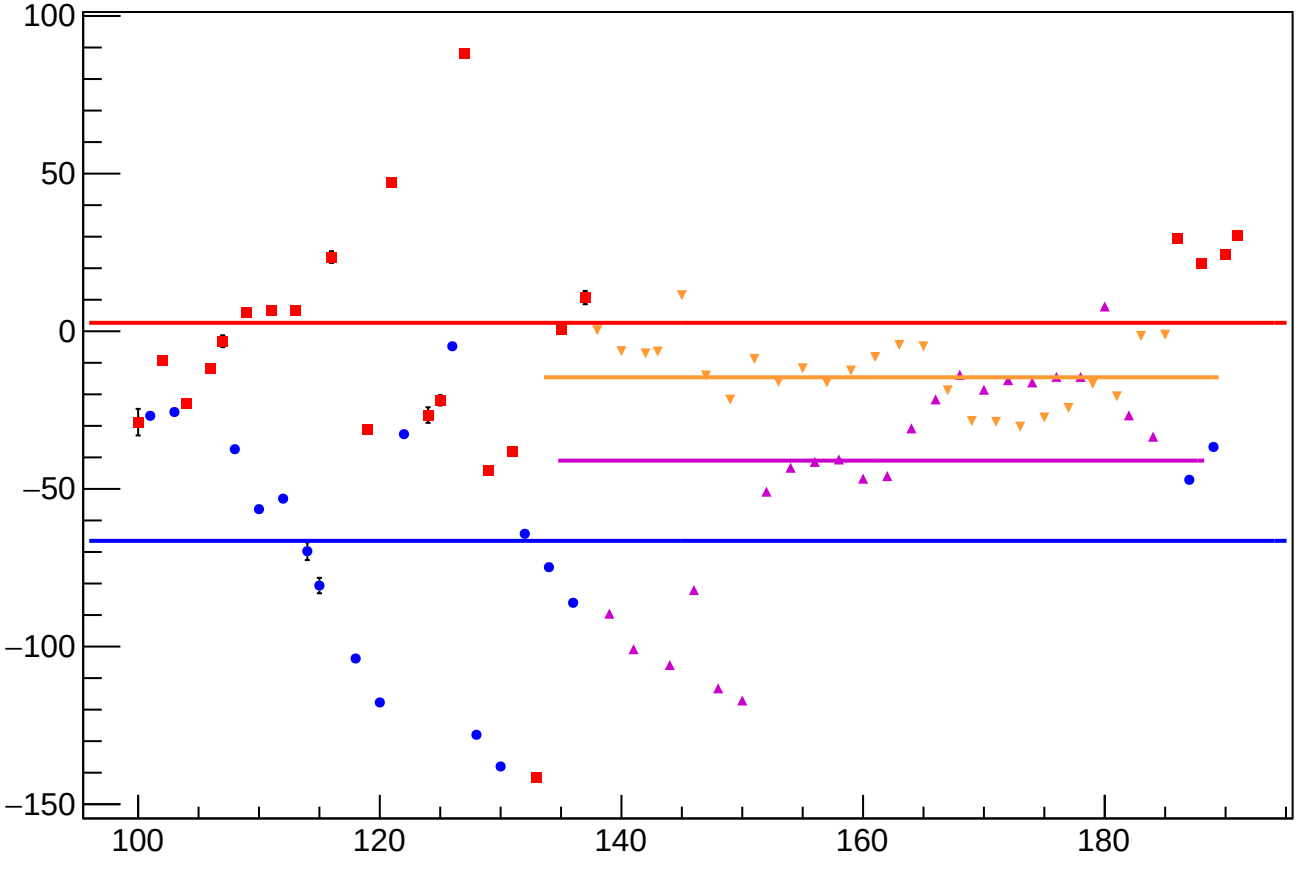
Left In: 1539.884+/-0.256 χ^2/NDF:380330.7/22

+ sign 1391.488+/-0.192 χ^2/NDF: 1747514.2/42

All: 1357.015+/-0.132 χ^2/NDF: 4656944.9/88

- sign 1325.633+/-0.183 χ^2/NDF: 2847695.5/45

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: 2.682+/-0.274 χ^2/NDF: 22899.9/22

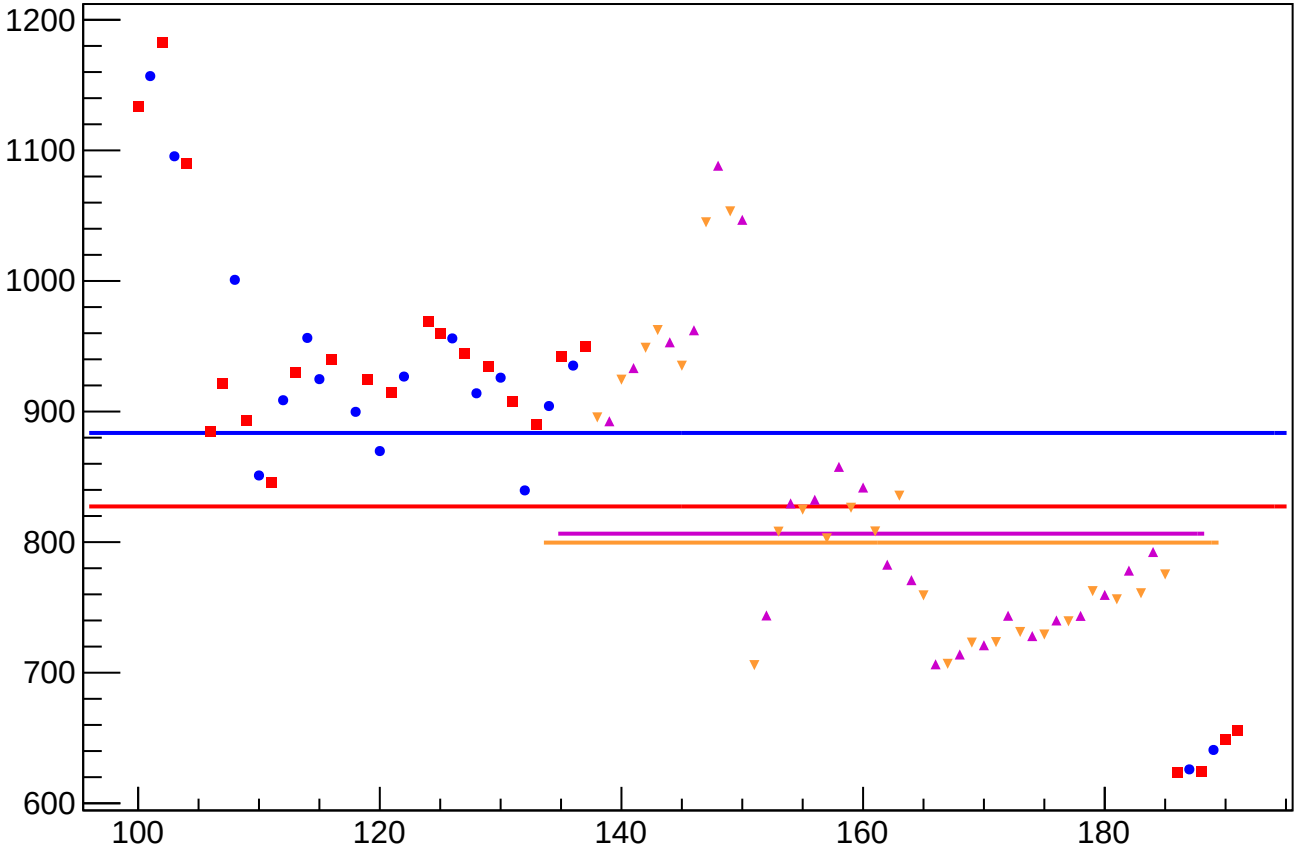
Left In: -41.021+/-0.190 χ^2/NDF:31066.6/22

+ sign -27.568+/-0.158 χ^2/NDF: 37019.5/42

All: -27.198+/-0.111 χ^2/NDF: 108206.1/88

- sign -26.839+/-0.156 χ^2/NDF: 71175.9/45

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

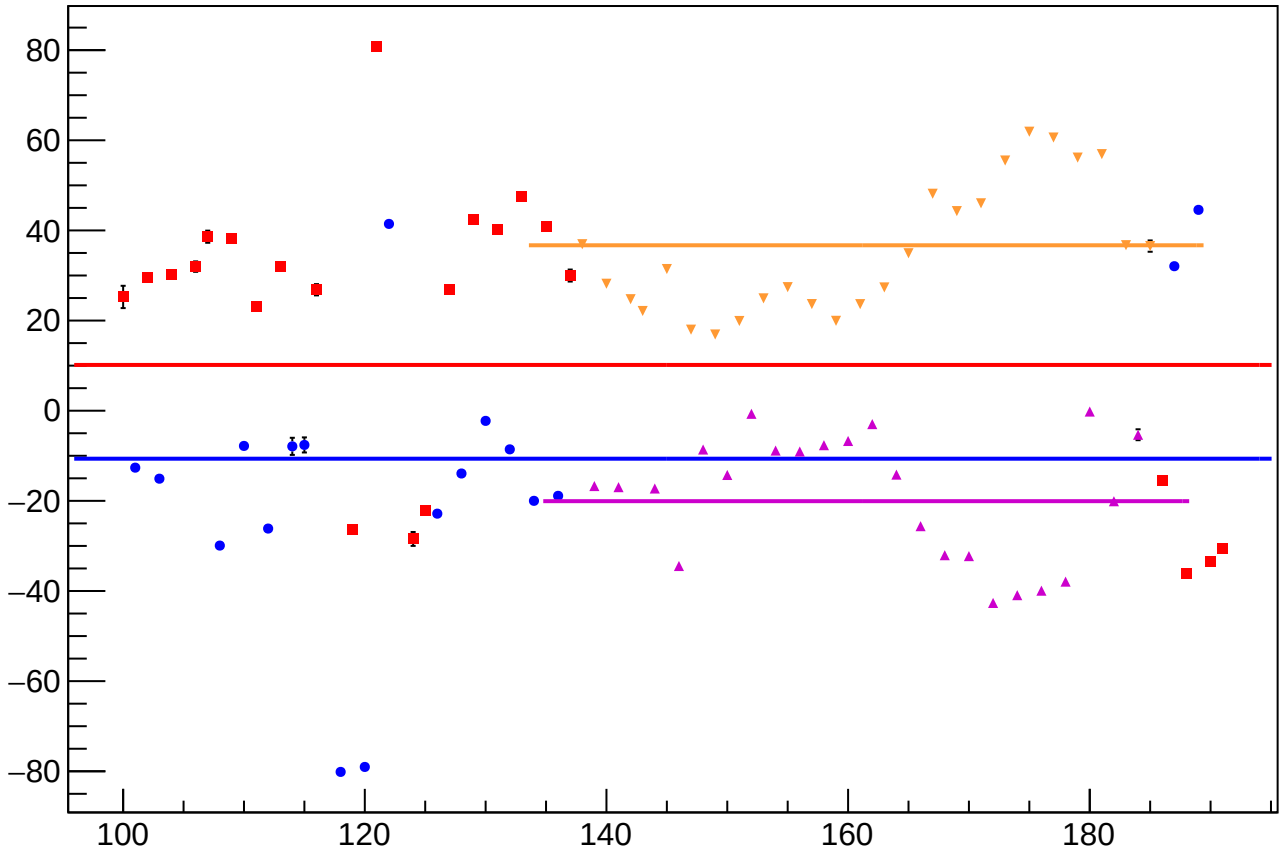
Right Out: 827.325+/-0.194 χ^2/NDF: 696782.2/22

Left In: 806.478+/-0.134 χ^2/NDF:511294.8/22

+ sign 820.639+/-0.112 χ^2/NDF: 970661.8/42

All: 816.884+/-0.079 χ^2/NDF: 2188783.4/88

- sign 813.244+/-0.110 χ^2/NDF: 1215908.9/45



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: 10.156+/-0.191 χ^2/NDF: 34058.1/22

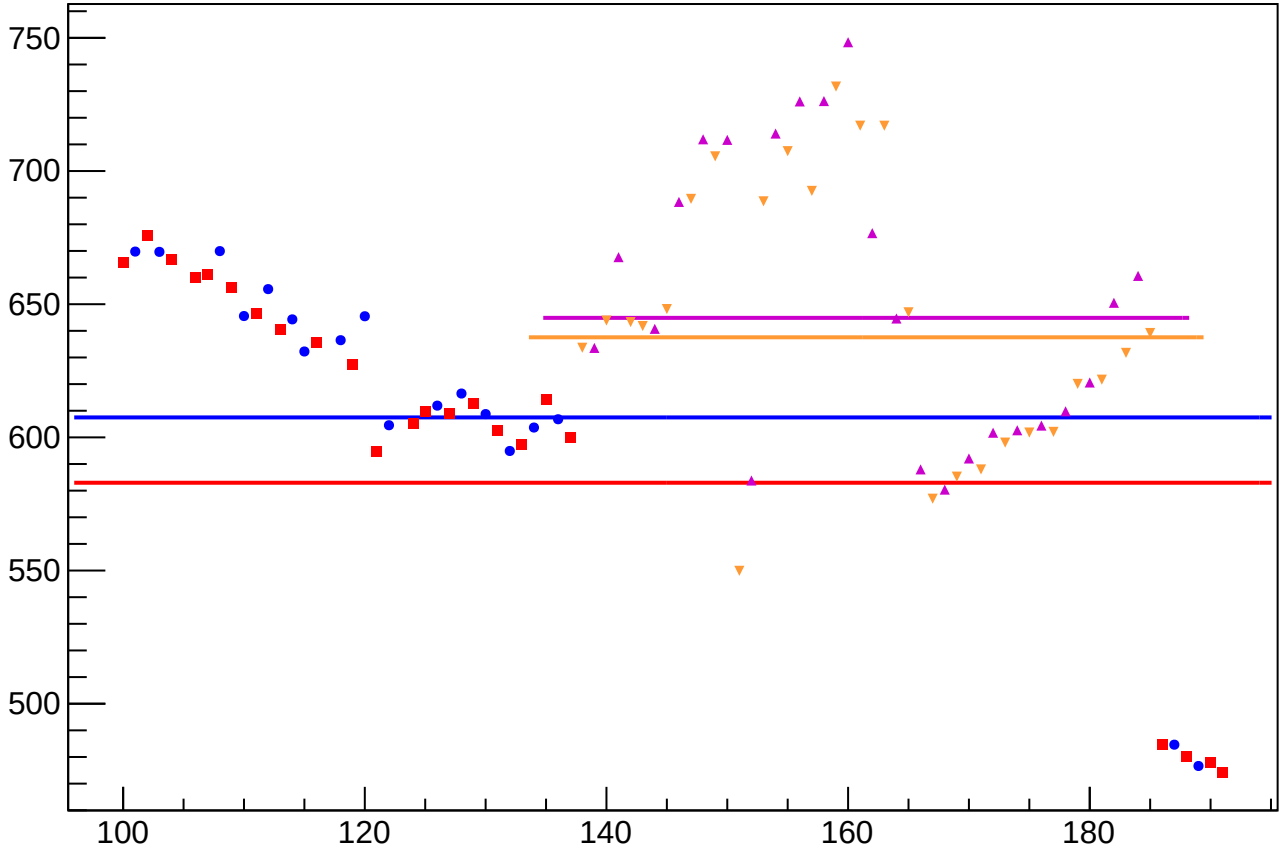
Left In: -20.069+/-0.151 χ^2/NDF:8560.6/22

+ sign 21.953+/-0.121 χ^2/NDF: 66481.4/42

All: 6.501+/-0.085 χ^2/NDF: 156732.1/88

- sign -8.402+/-0.119 χ^2/NDF: 58036.3/45

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: 582.967+/-0.135 χ^2/NDF: 289949.1/22

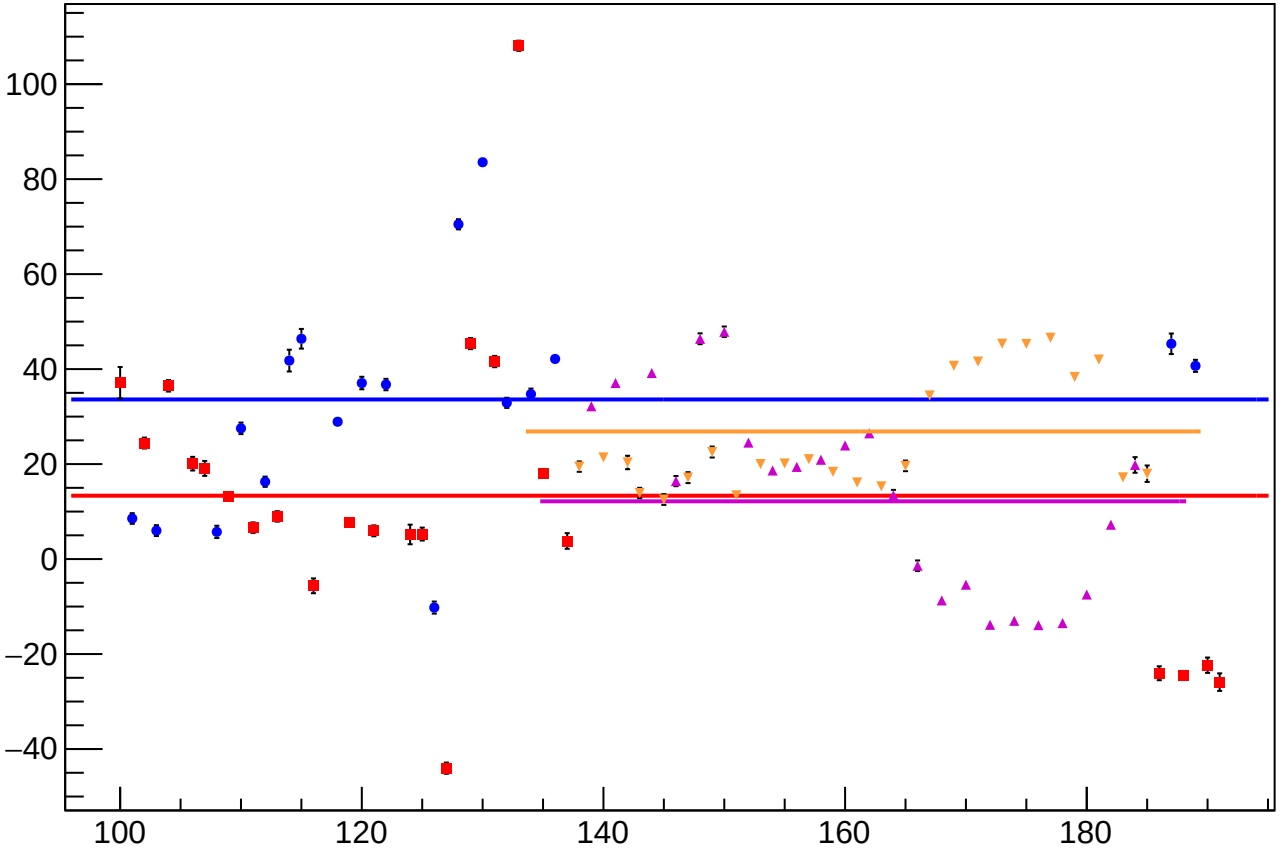
Left In: 644.873+/-0.107 χ^2/NDF:229560.3/22

+ sign 628.200+/-0.085 χ^2/NDF: 410772.0/42

All: 624.523+/-0.060 χ^2/NDF: 1063281.2/88

- sign 620.977+/-0.084 χ^2/NDF: 648861.4/45

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: 13.343+/-0.263 χ^2/NDF: 15609.2/22

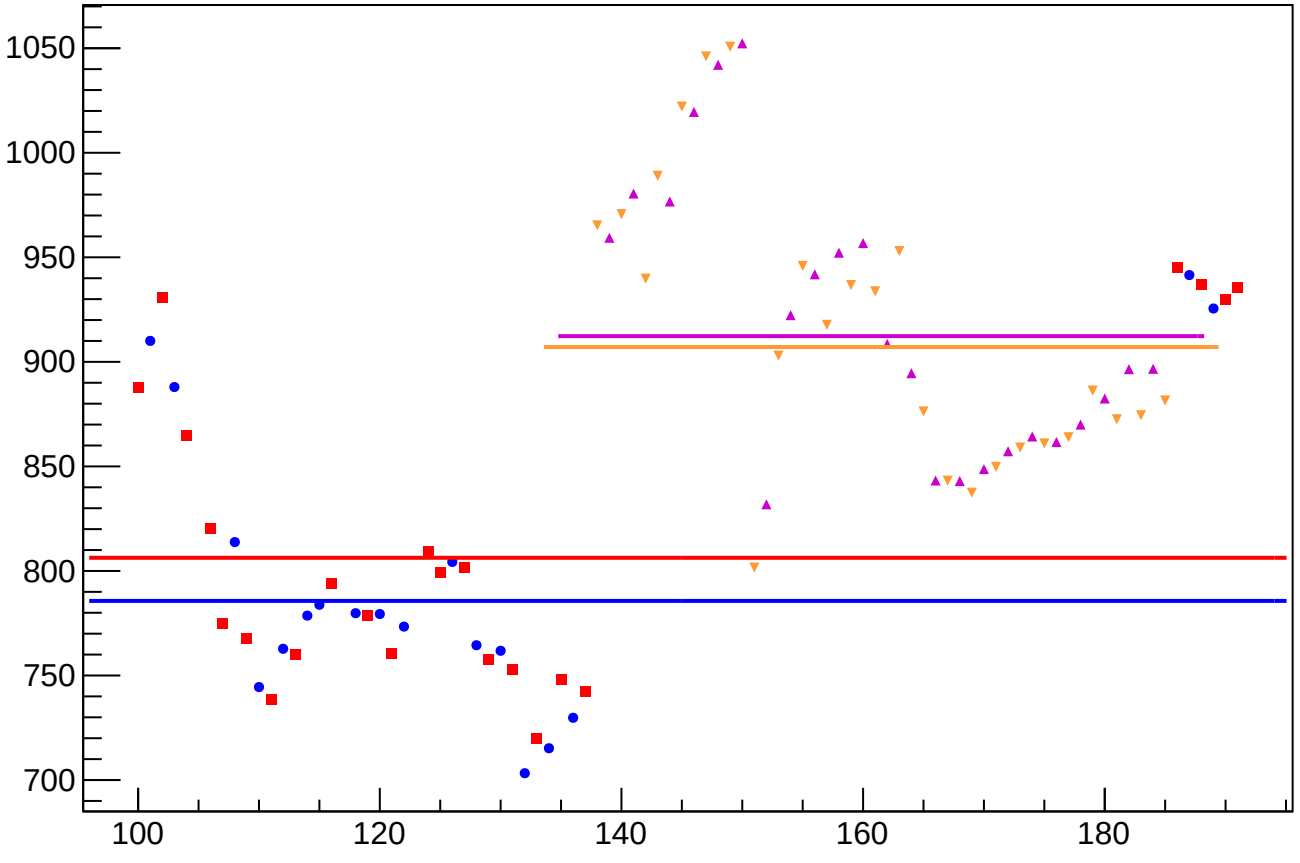
Left In: 12.159+/-0.214 χ^2/NDF:8547.0/22

+ sign 29.251+/-0.166 χ^2/NDF: 10531.1/42

All: 20.924+/-0.117 χ^2/NDF: 39713.0/88

- sign 12.630+/-0.166 χ^2/NDF: 24168.3/45

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: 806.298+/-0.186 χ^2/NDF: 155359.1/22

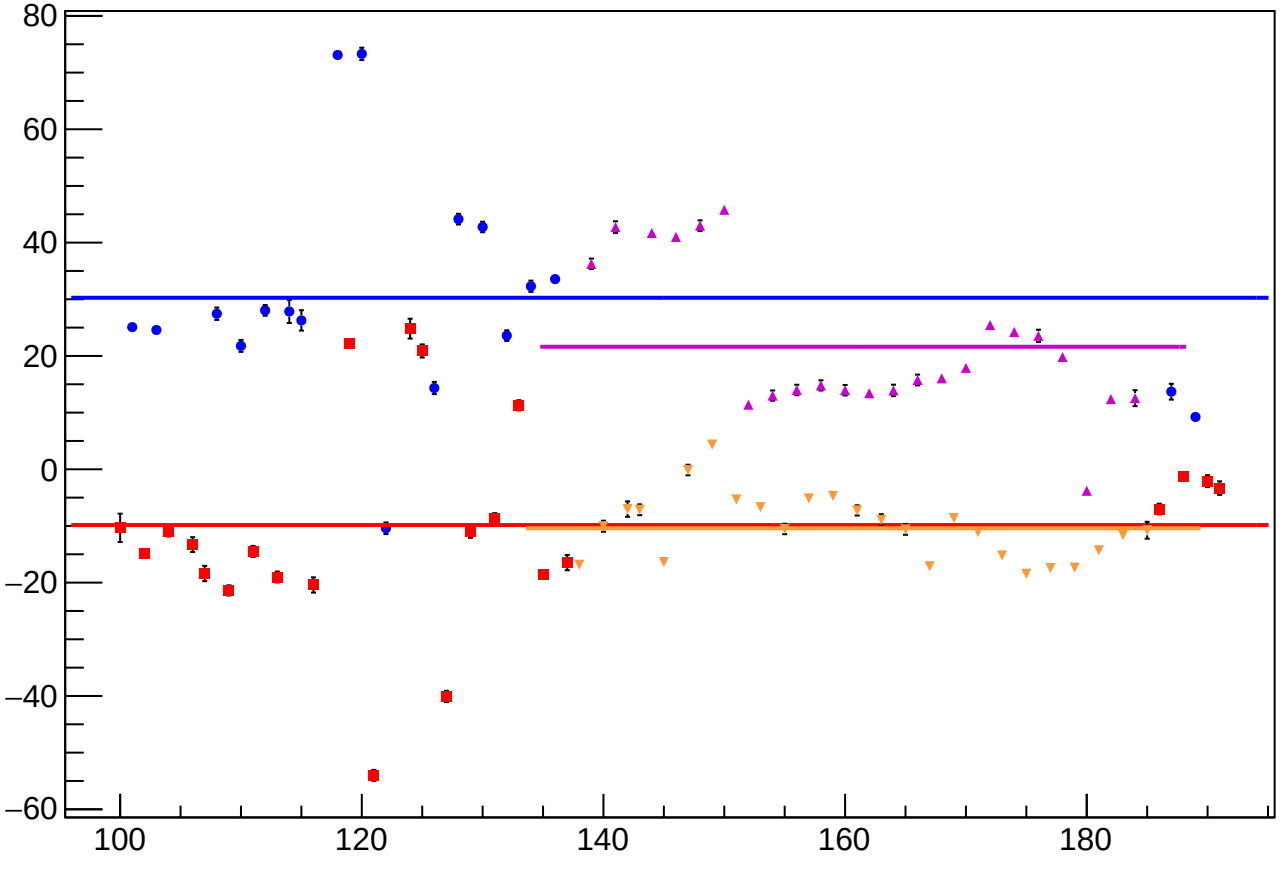
Left In: 912.301+/-0.151 χ^2/NDF:174715.2/22

+ sign 864.141+/-0.117 χ^2/NDF: 550428.1/42

All: 867.144+/-0.083 χ^2/NDF: 1077576.1/88

- sign 870.136+/-0.117 χ^2/NDF: 525843.3/45

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: -9.843+/-0.211 χ^2/NDF: 6921.6/22

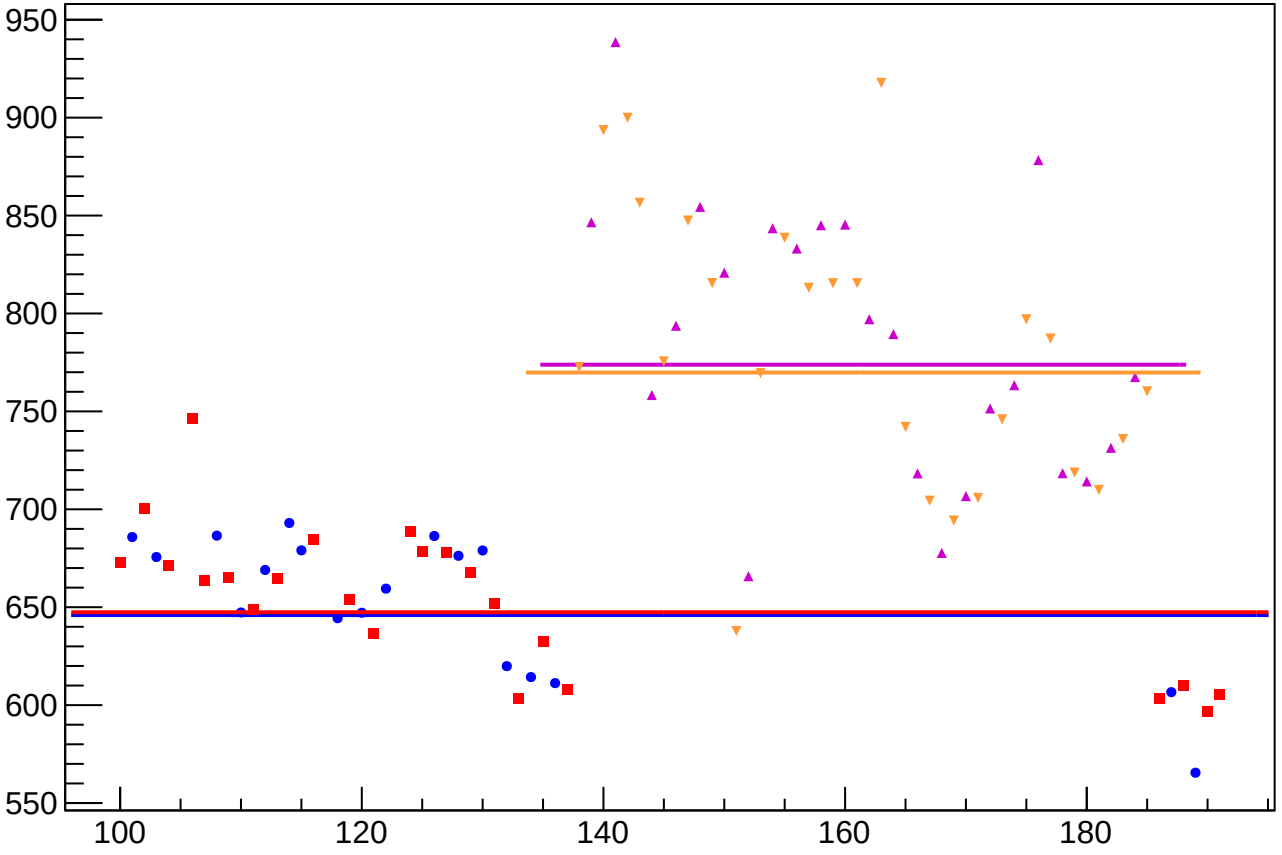
Left In: 21.621+/-0.182 χ^2/NDF:5241.8/22

+ sign 4.666+/-0.140 χ^2/NDF: 28061.7/42

All: 6.445+/-0.098 χ^2/NDF: 53326.5/88

- sign 8.175+/-0.138 χ^2/NDF: 24944.5/45

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: 647.416+/-0.149 χ^2/NDF: 54963.2/22

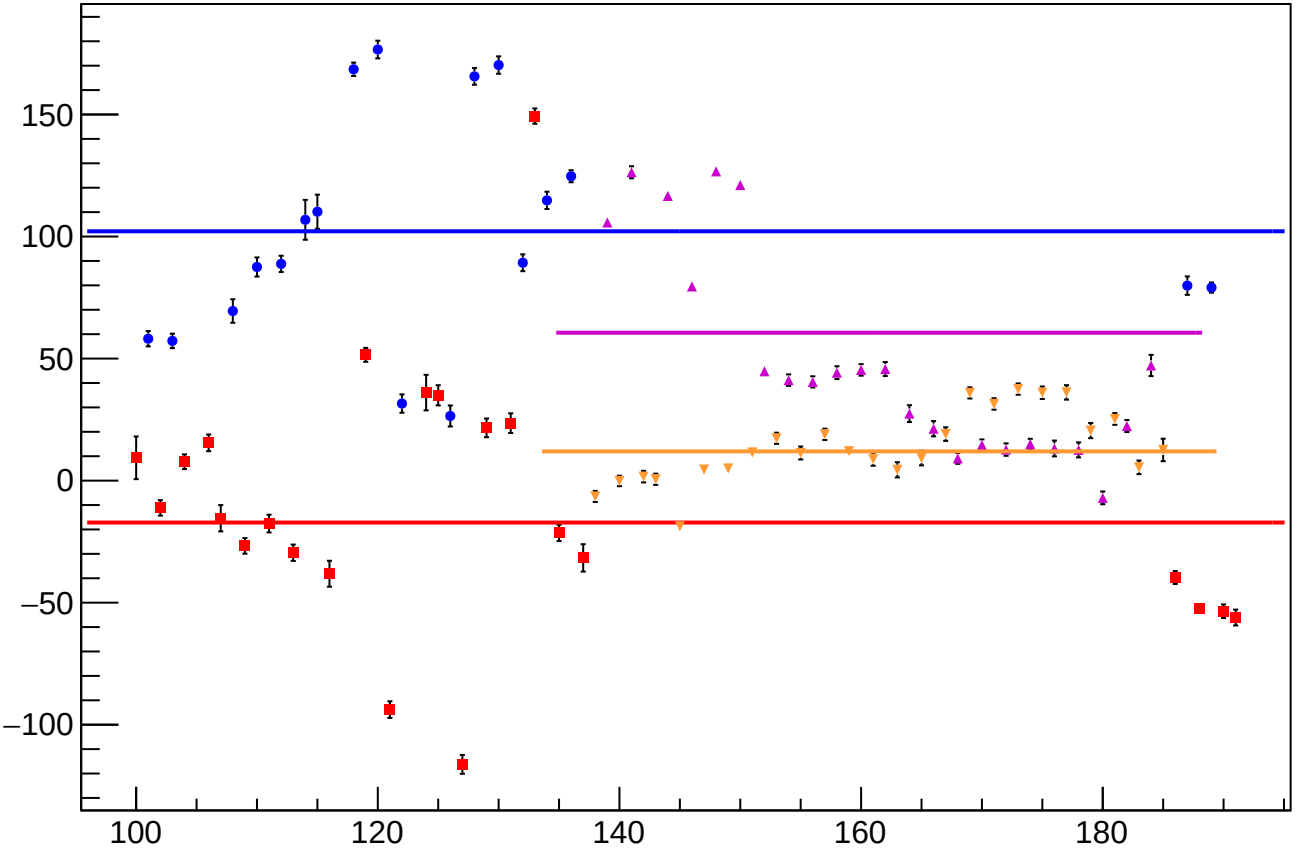
Left In: 773.845+/-0.129 χ^2/NDF:282843.1/22

+ sign 723.949+/-0.099 χ^2/NDF: 723818.6/42

All: 721.853+/-0.069 χ^2/NDF: 1475248.9/88

- sign 719.815+/-0.097 χ^2/NDF: 750541.5/45

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: -17.169+/-0.694 χ^2/NDF: 6030.4/22

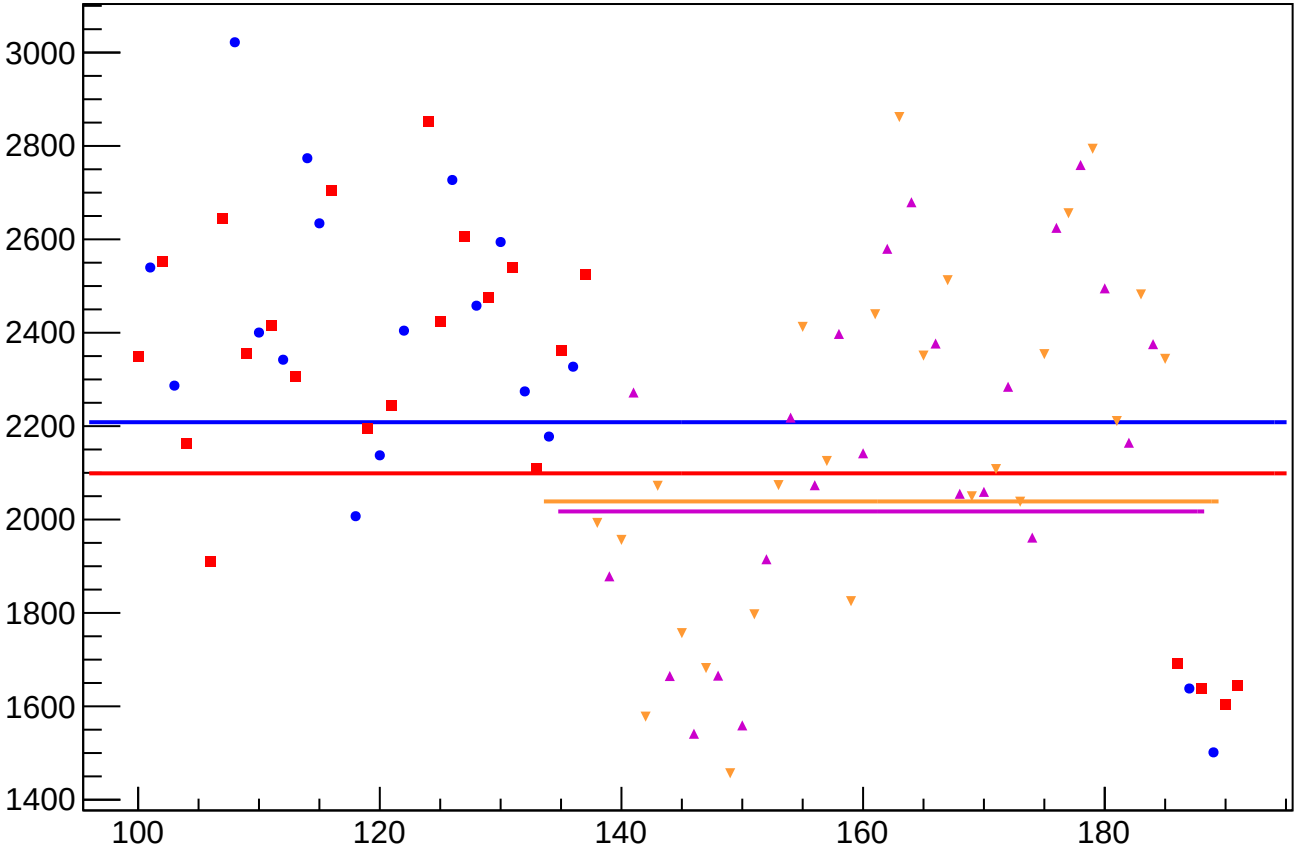
Left In: 60.598+/-0.481 χ^2/NDF:8638.1/22

\+ sign 35.393+/-0.406 χ^2/NDF: 13588.0/42

All: 35.385+/-0.283 χ^2/NDF: 36736.8/88

\- sign 35.378+/-0.395 χ^2/NDF: 23148.8/45

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: 2098.902+/-0.491 χ^2/NDF: 575856.4/22

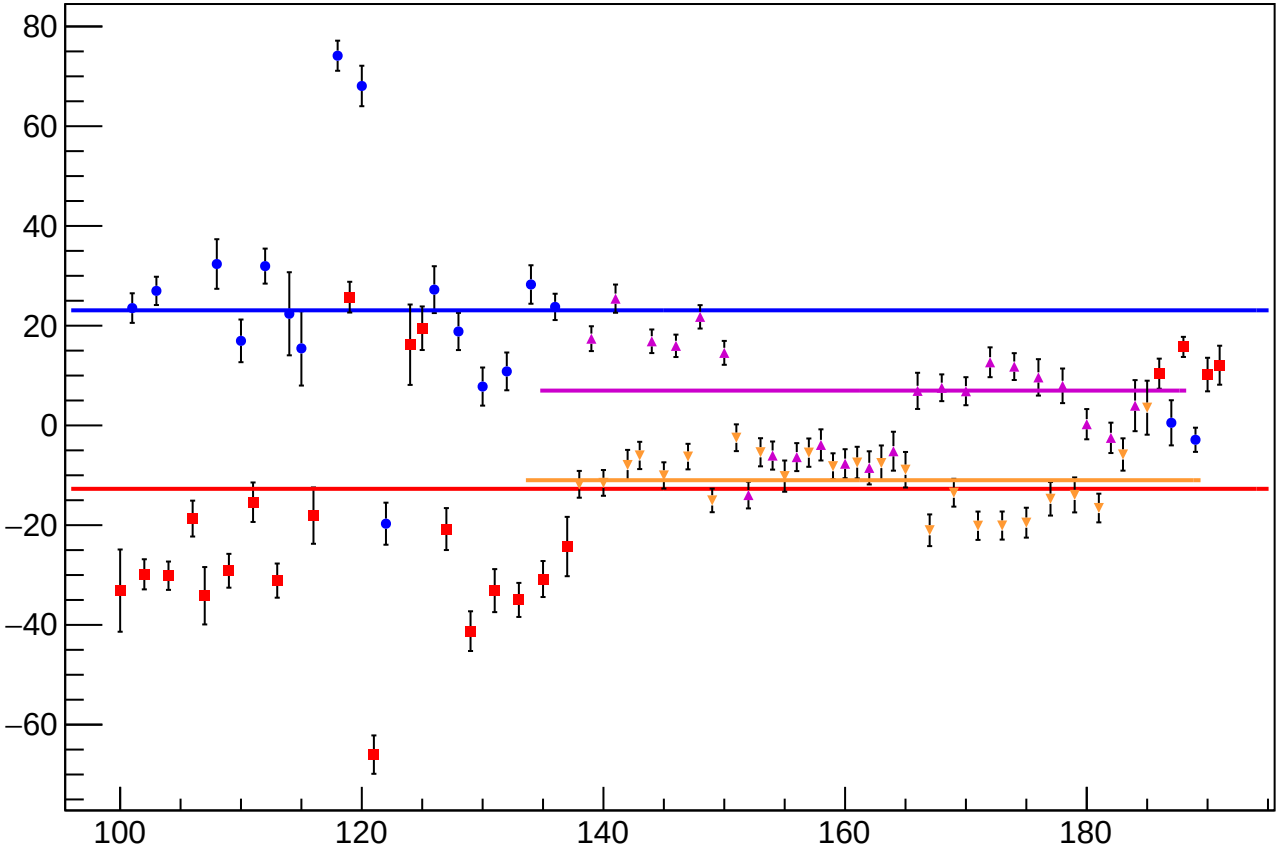
Left In: 2017.328+/-0.340 χ^2/NDF:1050043.3/22

+ sign 2082.820+/-0.287 χ^2/NDF: 1658417.4/42

All: 2062.792+/-0.200 χ^2/NDF: 3312476.9/88

- sign 2043.783+/-0.280 χ^2/NDF: 1644562.1/45

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: -12.715+/-0.759 χ^2/NDF: 1054.0/22

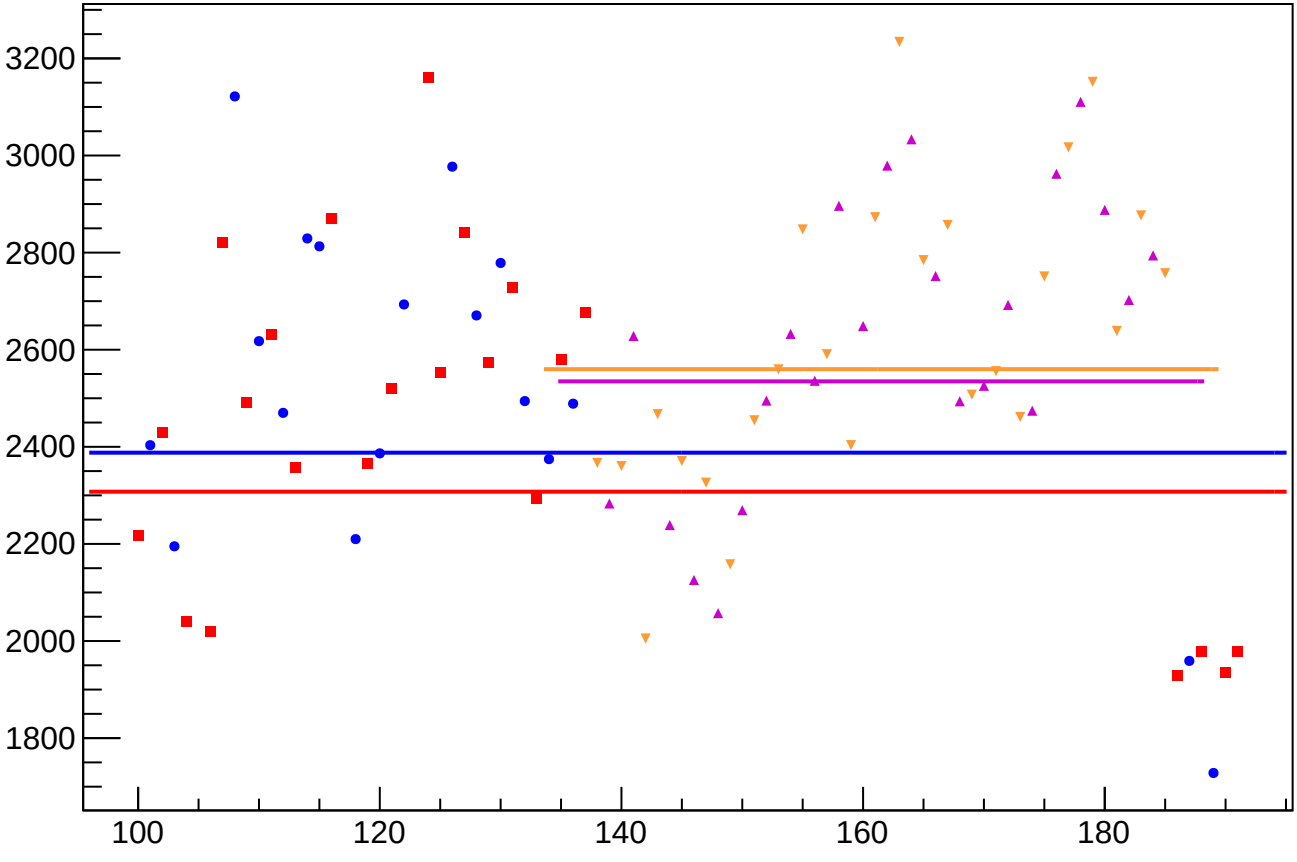
Left In: 6.985+/-0.598 χ^2/NDF:339.5/22

+ sign -0.153+/-0.484 χ^2/NDF: 1859.2/42

All: -0.368+/-0.337 χ^2/NDF: 3668.7/88

- sign -0.571+/-0.470 χ^2/NDF: 1809.0/45

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: 2307.577+/-0.537 χ^2/NDF: 327972.1/22

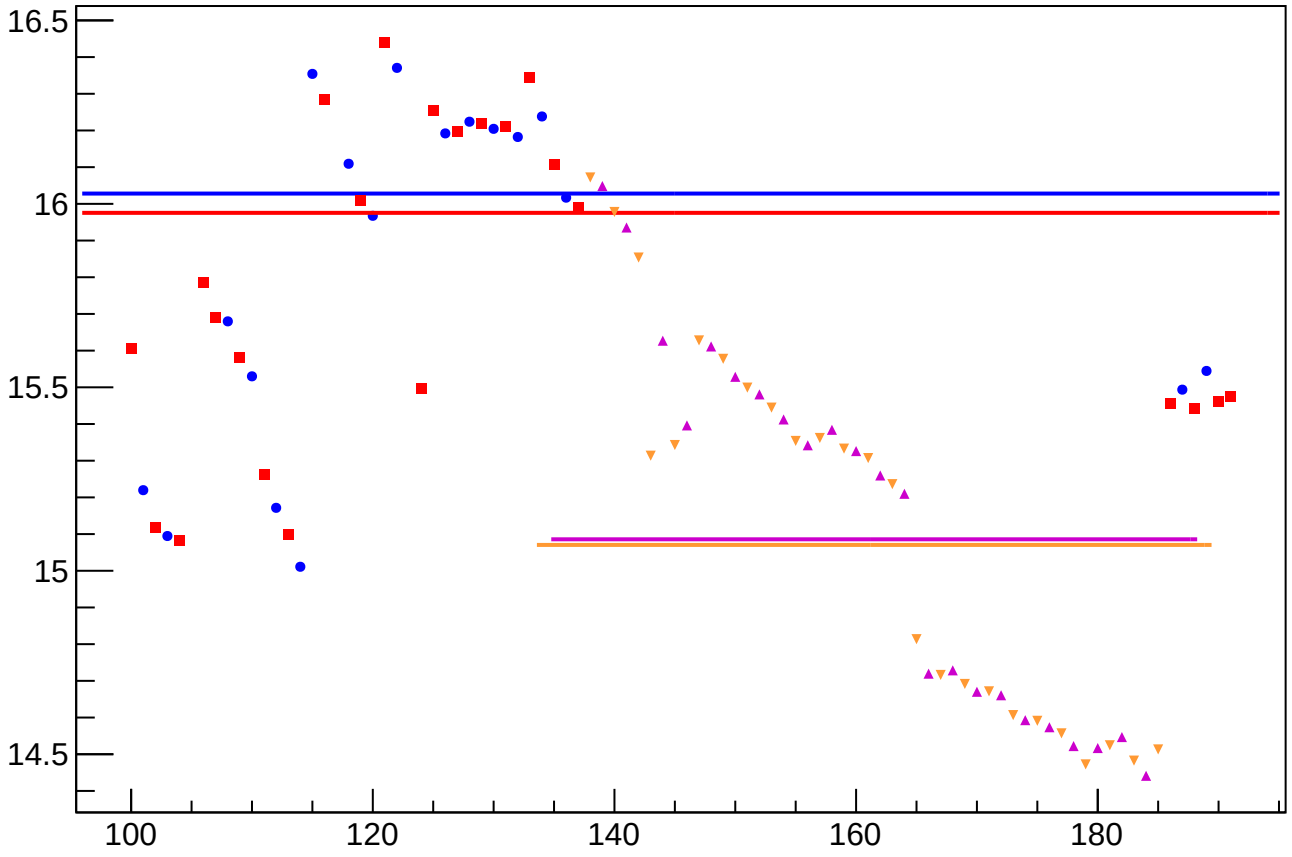
Left In: 2534.780+/-0.423 χ^2/NDF:463621.9/22

+ sign 2505.240+/-0.342 χ^2/NDF: 828461.3/42

All: 2475.596+/-0.238 χ^2/NDF: 1745201.0/88

- sign 2447.639+/-0.332 χ^2/NDF: 902152.4/45

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: 15.975+/-0.000 χ^2/NDF: 4809329072.6/22

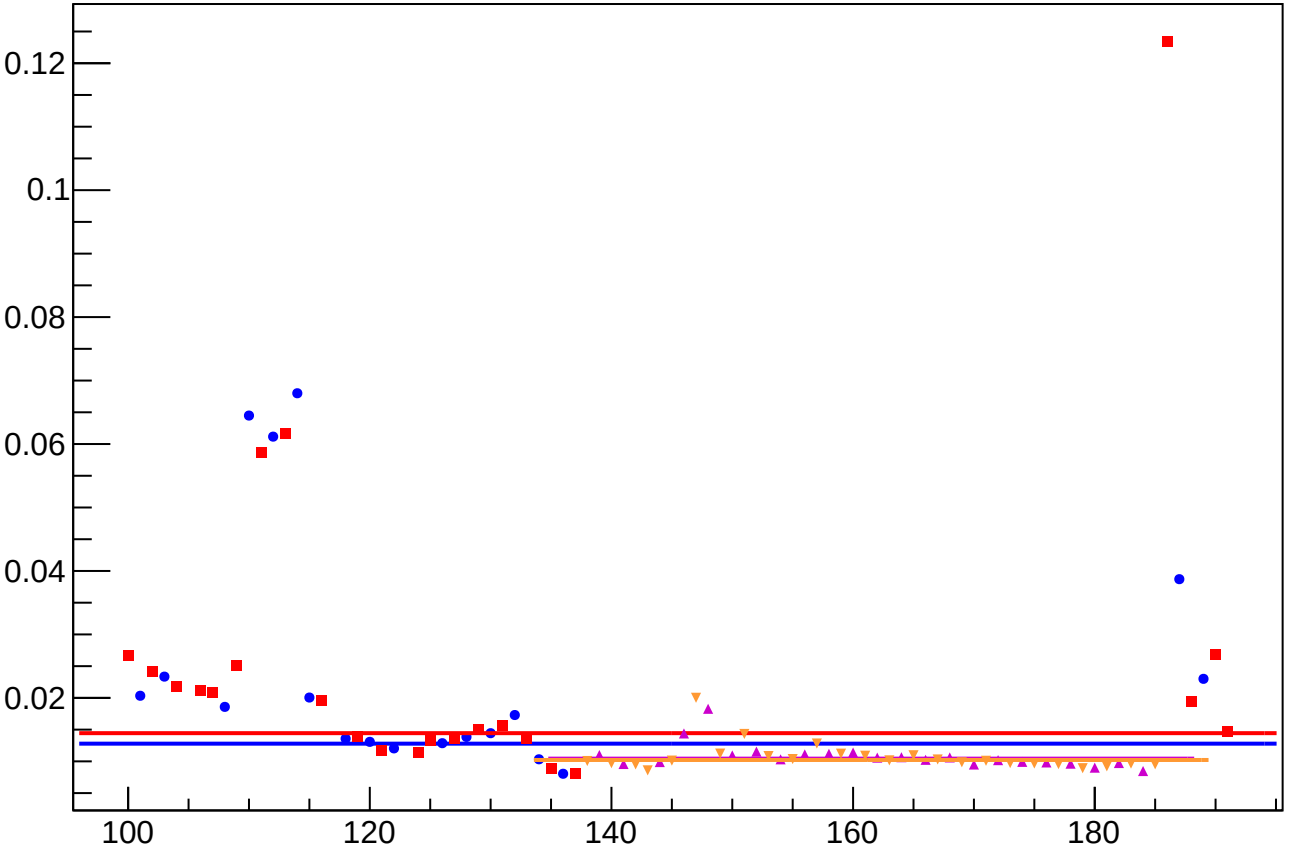
Left In: 15.086+/-0.000 χ^2/NDF:39504896066.7/22

+ sign 15.237+/-0.000 χ^2/NDF: 74587830273.5/42

All: 15.241+/-0.000 χ^2/NDF: 141130454655.

- sign 15.244+/-0.000 χ^2/NDF: 66538165969.5/45

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

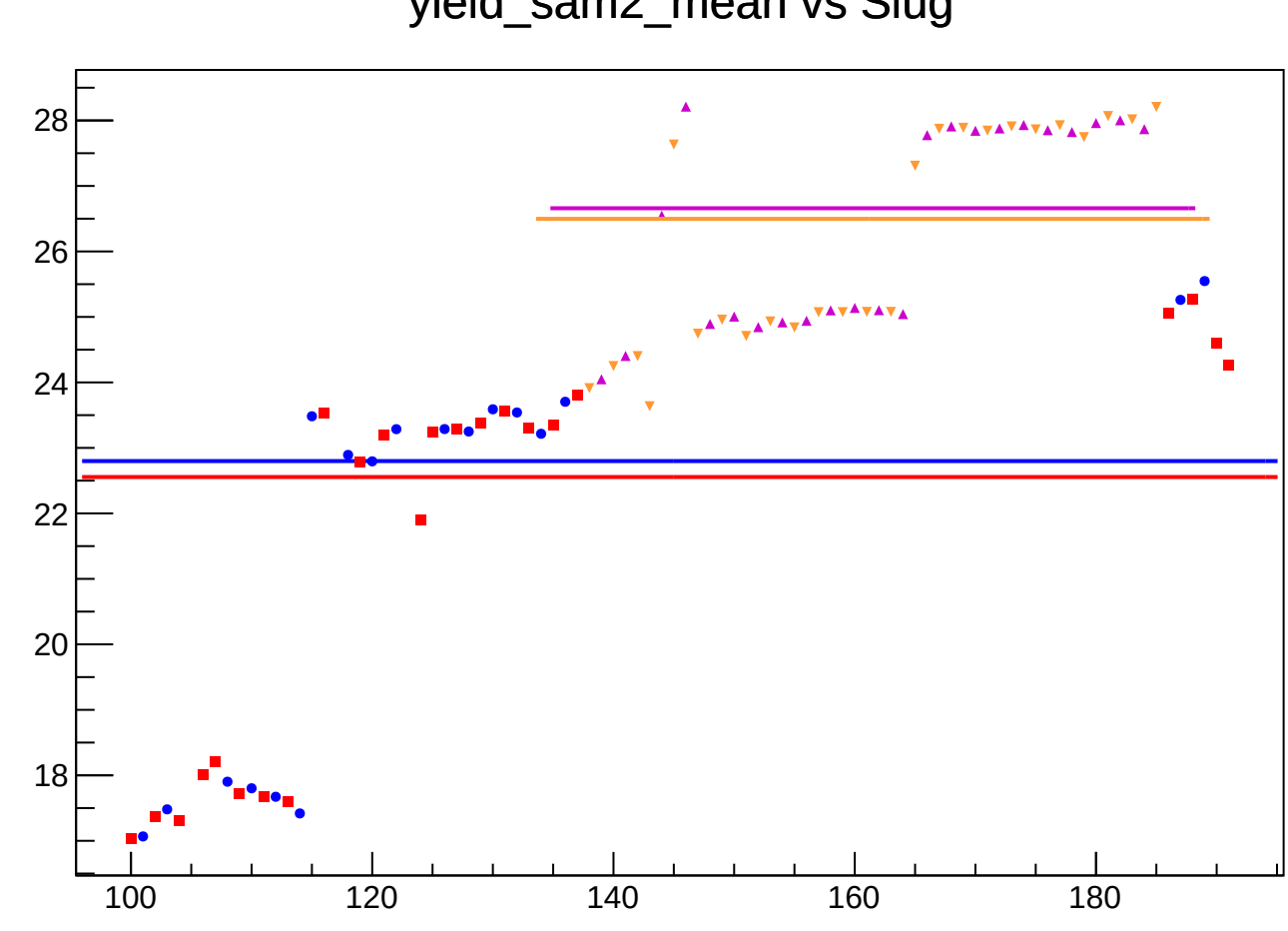
Right Out: 0.014+/-0.000 χ^2/NDF: 3124730.1/22

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: 8517538.7/88

- sign 0.011+/-0.000 χ^2/NDF: 4627777.9/45



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: 22.555+/-0.000 χ^2/NDF: 1353965452.1/22

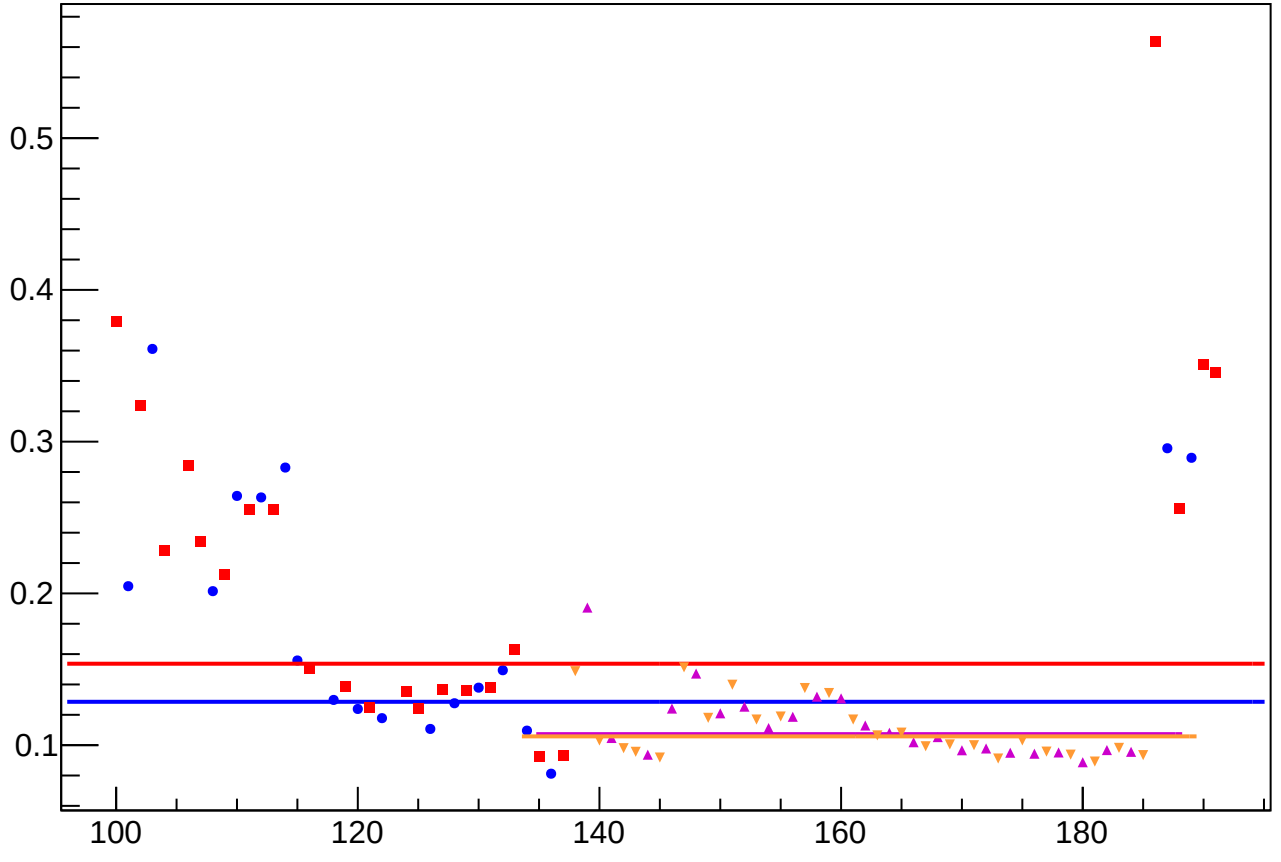
Left In: 26.660+/-0.000 χ^2/NDF:2886823196.4/22

+ sign 25.789+/-0.000 χ^2/NDF: 9077850070.3/42

All: 25.851+/-0.000 χ^2/NDF: 17469627152.1

- sign 25.919+/-0.000 χ^2/NDF: 8377067630.2/45

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: 0.154+/-0.000 χ^2/NDF: 2704854.2/22

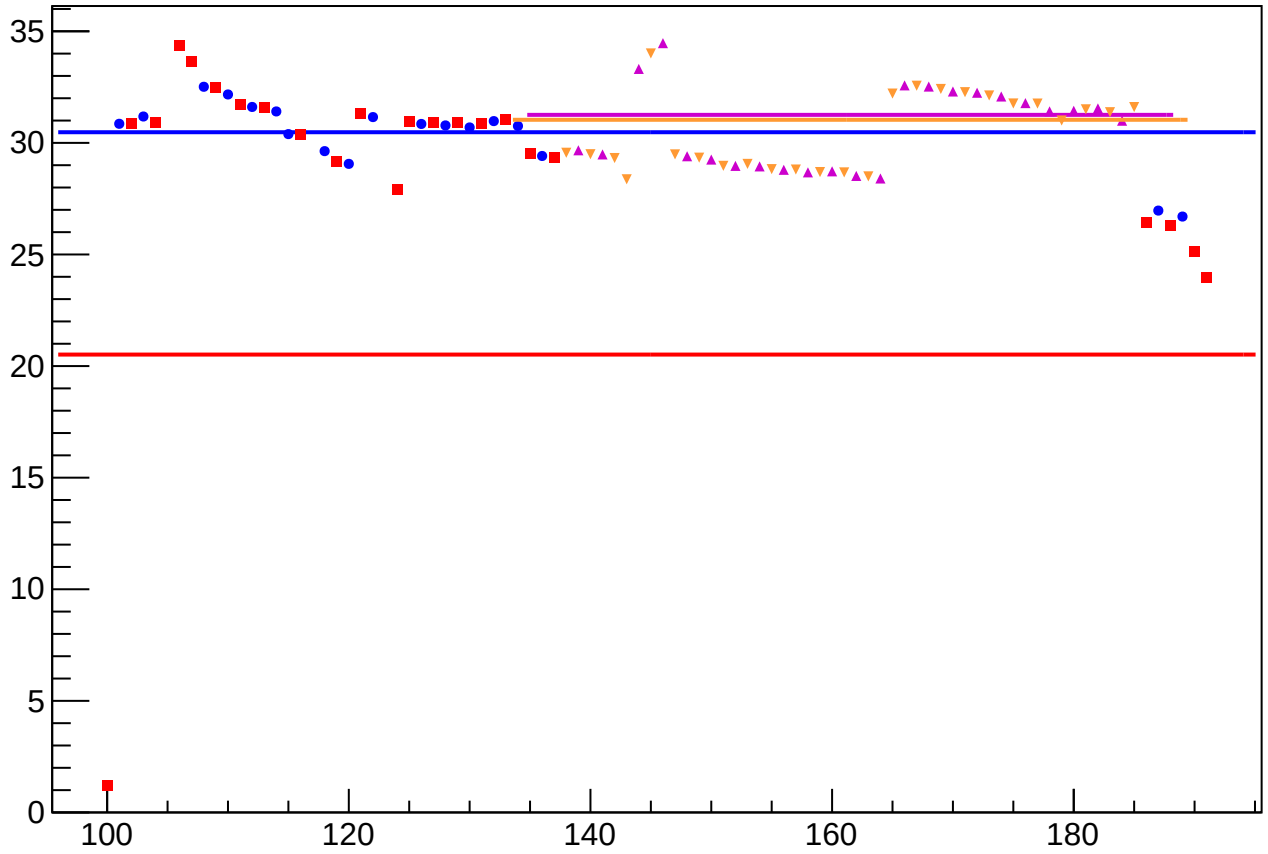
Left In: 0.107+/-0.000 χ^2/NDF:859458.3/22

+ sign 0.110+/-0.000 χ^2/NDF: 3236888.2/42

All: 0.113+/-0.000 χ^2/NDF: 7911018.1/88

- sign 0.116+/-0.000 χ^2/NDF: 4621693.6/45

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

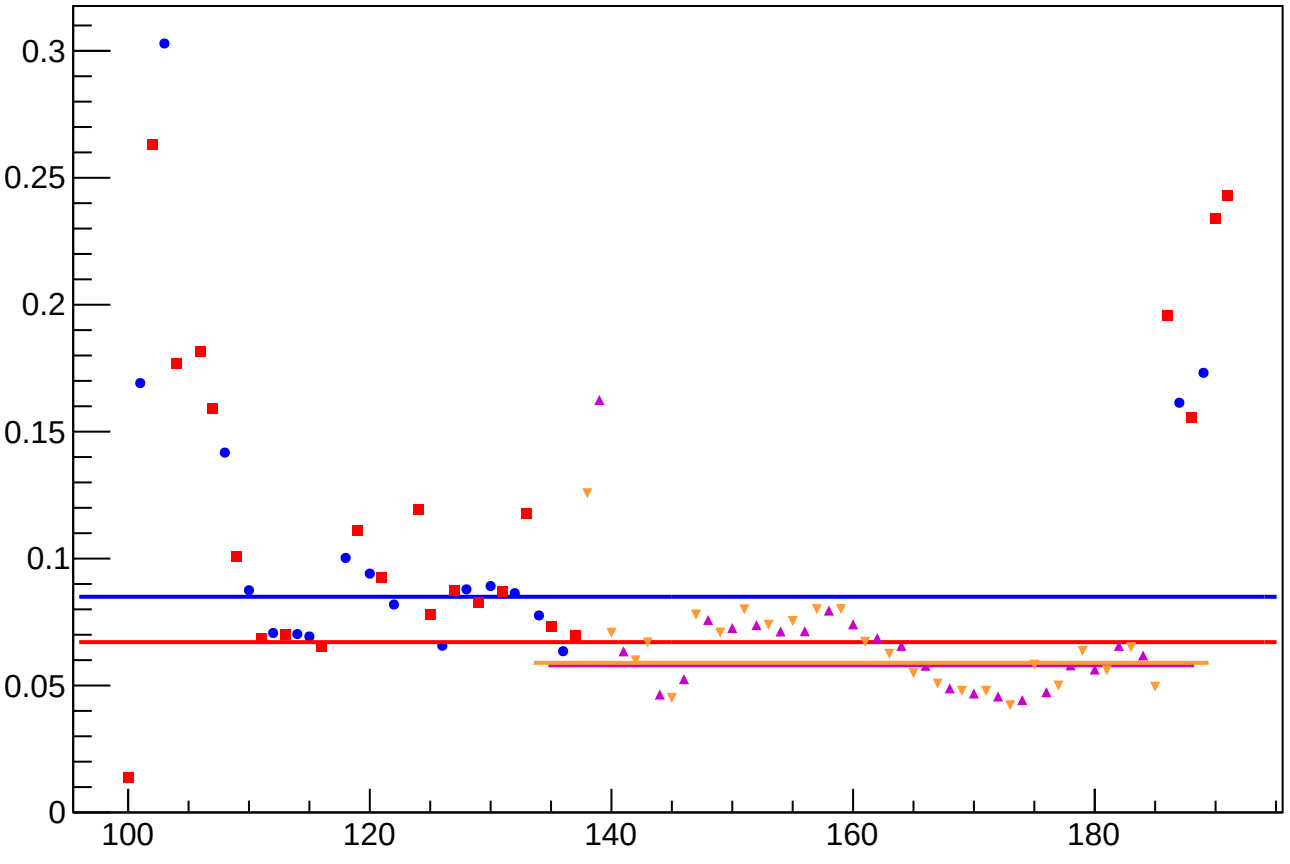
Right Out: 20.515+/-0.000 χ^2/NDF: 223131554969.1/22

Left In: 31.256+/-0.000 χ^2/NDF:12589744083.0/22

+ sign 30.947+/-0.000 χ^2/NDF: 13074683774.4/42

All: 29.916+/-0.000 χ^2/NDF: 362844366365.

- sign 28.922+/-0.000 χ^2/NDF: 339154930916.8/45



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: 0.067+/-0.000 χ^2/NDF: 5605965.2/22

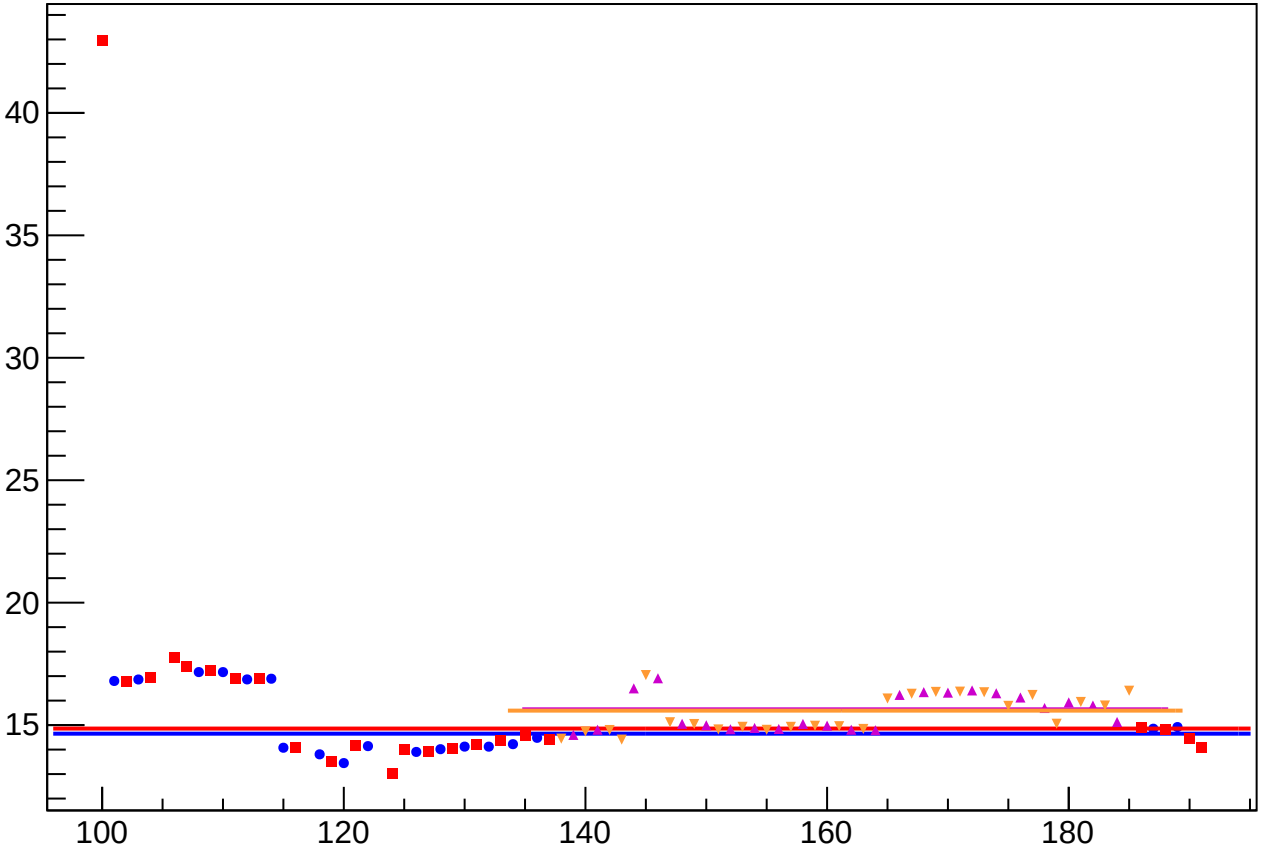
Left In: 0.058+/-0.000 χ^2/NDF:1716553.7/22

+ sign 0.063+/-0.000 χ^2/NDF: 4039980.7/42

All: 0.061+/-0.000 χ^2/NDF: 11559632.1/88

- sign 0.060+/-0.000 χ^2/NDF: 7471297.0/45

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: 14.858+/-0.000 χ^2/NDF: 1734678183.9/22

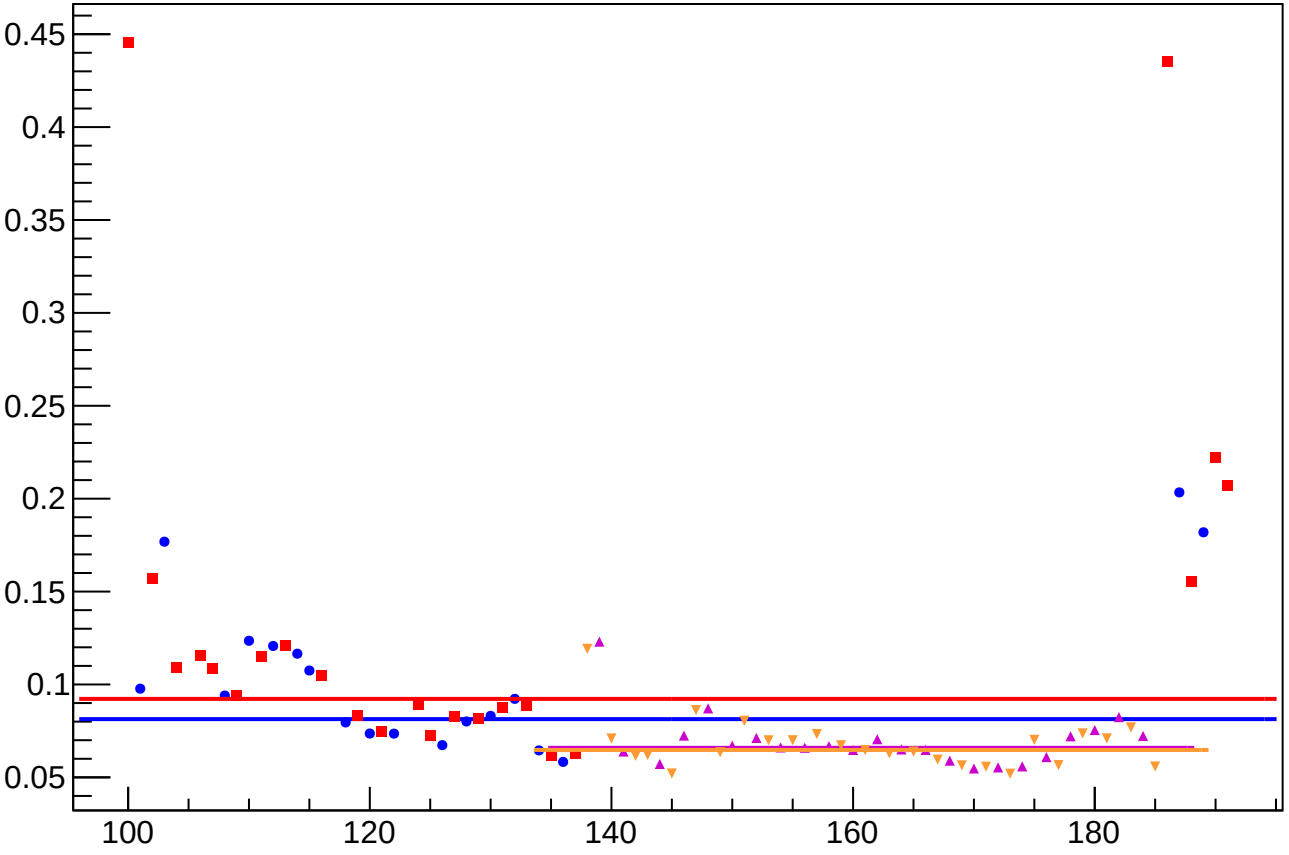
Left In: 15.645+/-0.000 χ^2/NDF:1858454747.6/22

+ sign 15.406+/-0.000 χ^2/NDF: 4134666045.3/42

All: 15.446+/-0.000 χ^2/NDF: 8178898378.4/8

- sign 15.490+/-0.000 χ^2/NDF: 4027590158.1/45

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: 0.092+/-0.000 χ^2/NDF: 2016839.3/22

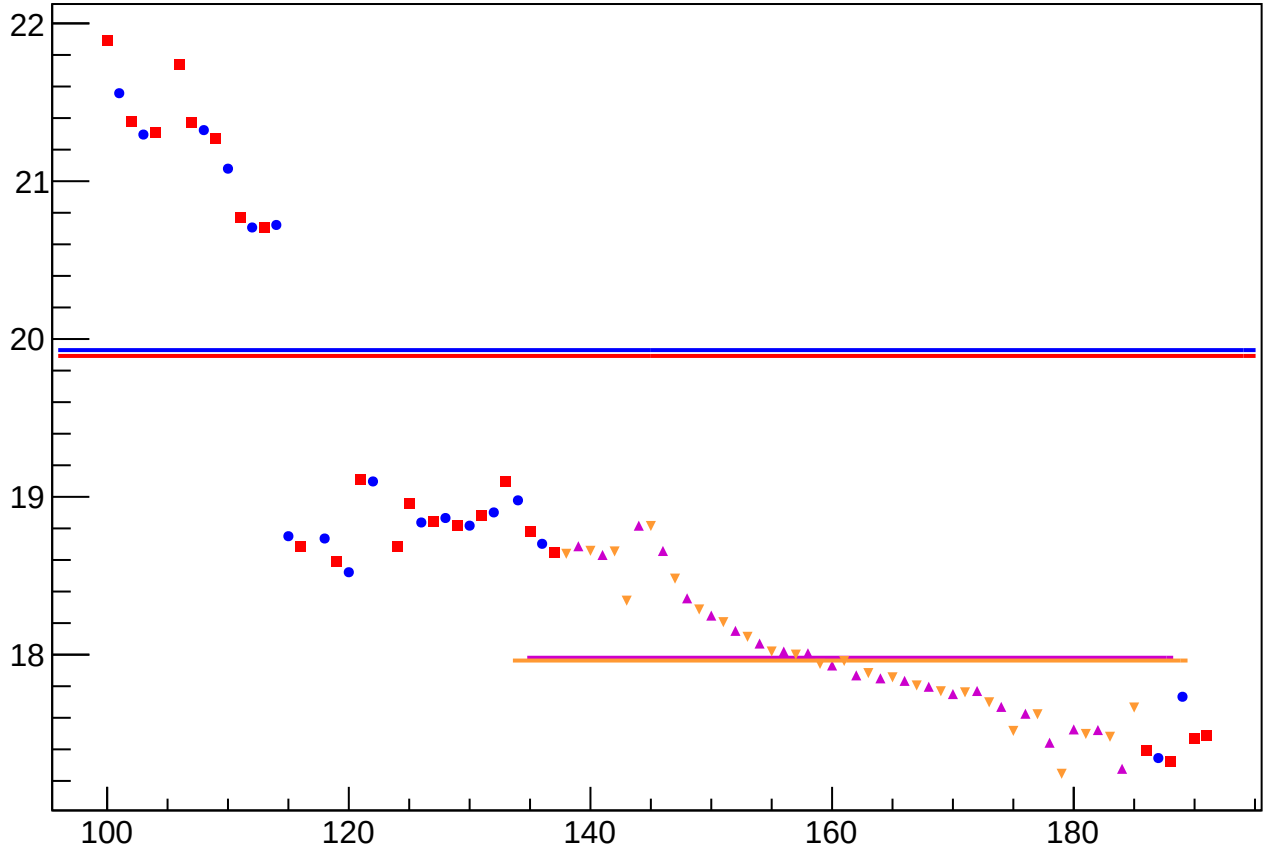
Left In: 0.066+/-0.000 χ^2/NDF:788235.2/22

+ sign 0.068+/-0.000 χ^2/NDF: 2650153.6/42

All: 0.069+/-0.000 χ^2/NDF: 6472744.9/88

- sign 0.071+/-0.000 χ^2/NDF: 3779645.8/45

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: 19.893+/-0.000 χ^2/NDF: 15551919252.0/22

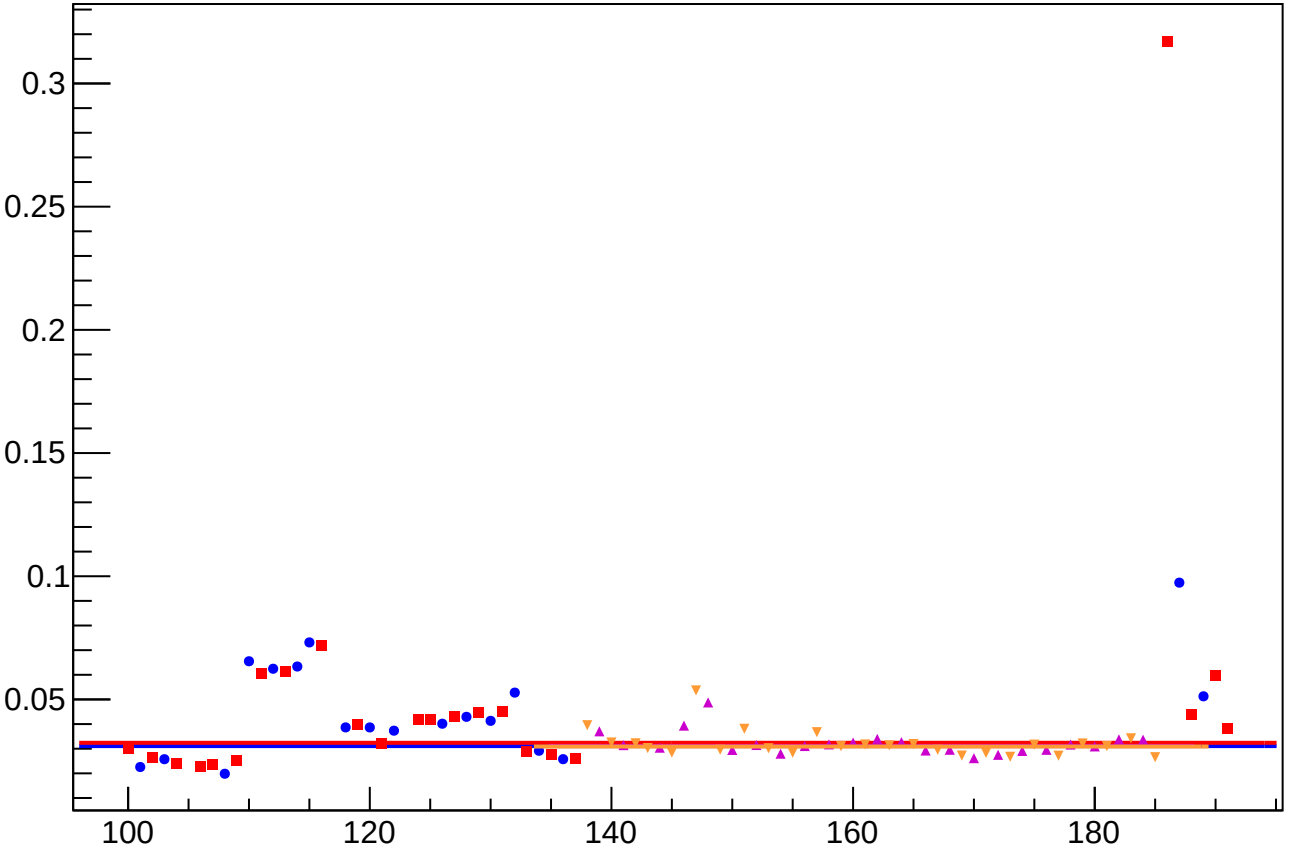
Left In: 17.980+/-0.000 χ^2/NDF:2720441956.8/22

+ sign 18.472+/-0.000 χ^2/NDF: 34206118871.3/42

All: 18.502+/-0.000 χ^2/NDF: 71386404902.1

- sign 18.532+/-0.000 χ^2/NDF: 37134065518.4/45

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: 2119649.7/22

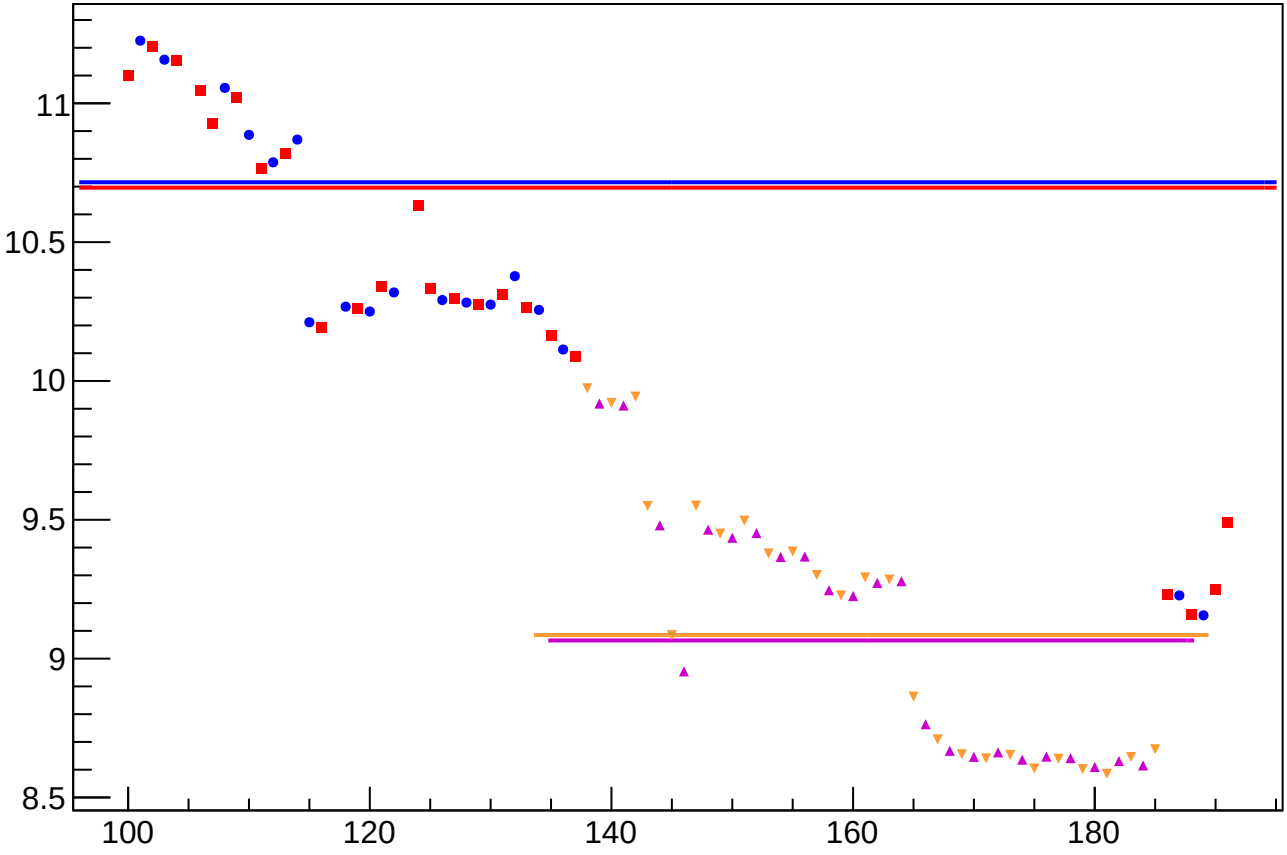
Left In: 0.031+/-0.000 χ^2/NDF:482919.2/22

+ sign 0.031+/-0.000 χ^2/NDF: 2407844.9/42

All: 0.031+/-0.000 χ^2/NDF: 5035142.6/88

- sign 0.032+/-0.000 χ^2/NDF: 2619096.7/45

yield_sam6_mean vs Slug



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: 10.696+/-0.000 χ^2/NDF: 6556114909.6/22

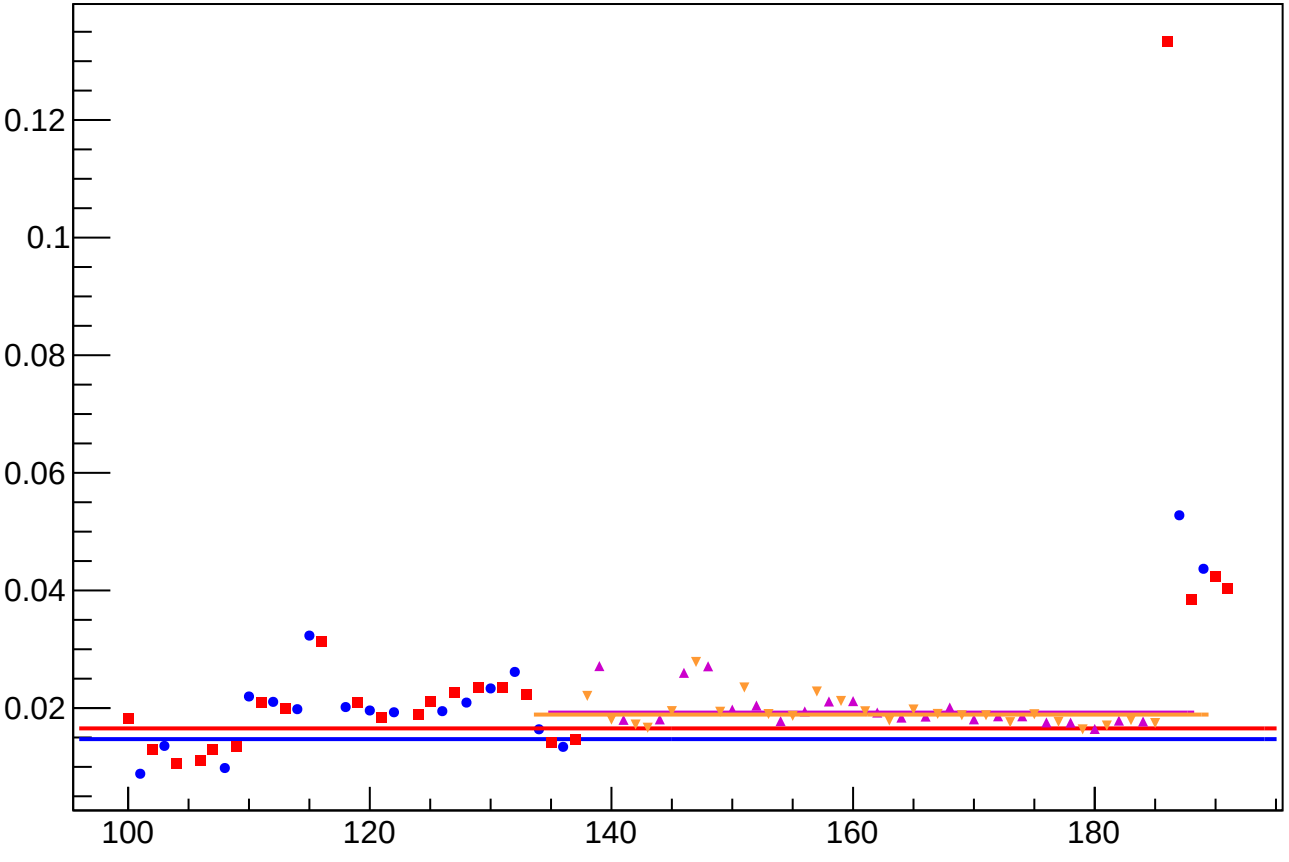
Left In: 9.065+/-0.000 χ^2/NDF:8070708662.0/22

+ sign 9.675+/-0.000 χ^2/NDF: 64321678927.1/42

All: 9.673+/-0.000 χ^2/NDF: 123217943728.4

- sign 9.672+/-0.000 χ^2/NDF: 58895829815.7/45

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: 0.017+/-0.000 χ^2/NDF: 2737915.0/22

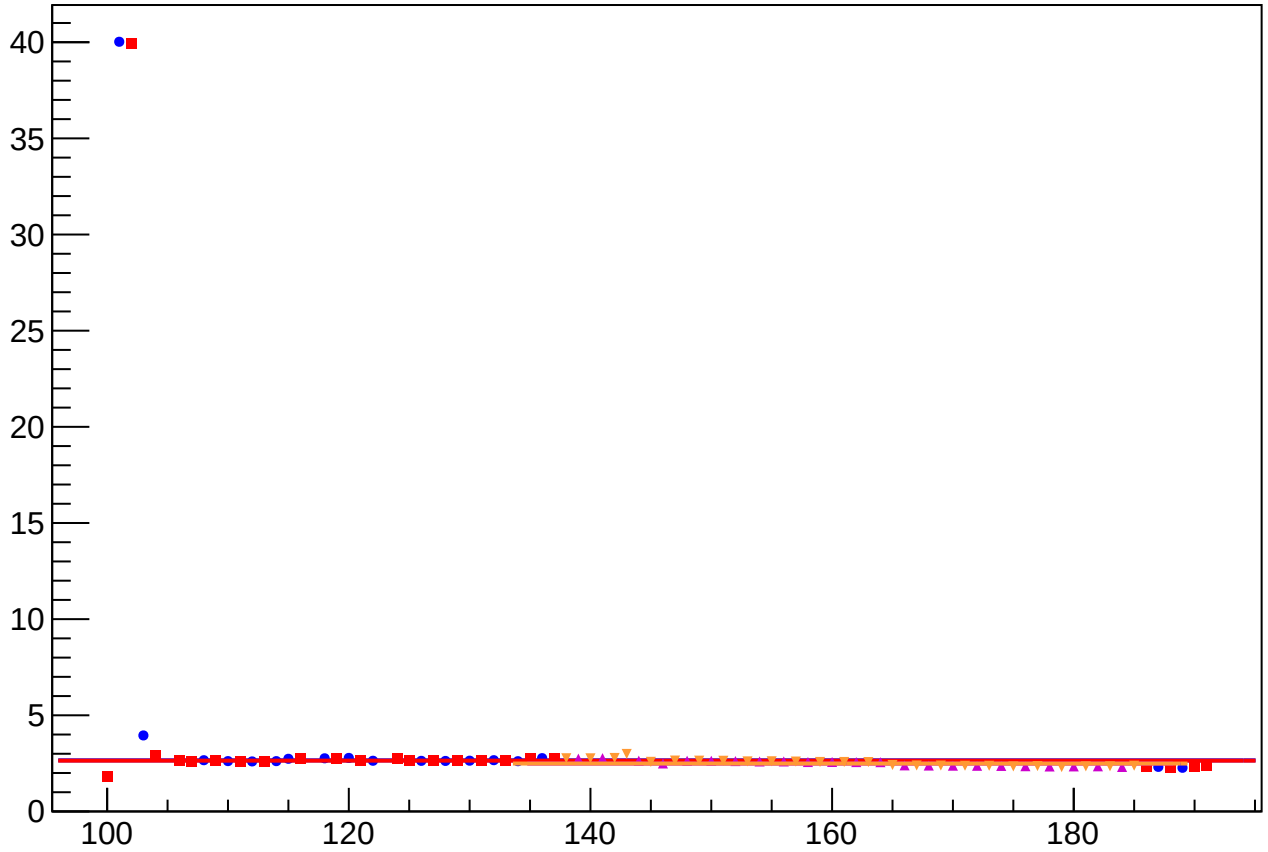
Left In: 0.019+/-0.000 χ^2/NDF:540886.4/22

+ sign 0.017+/-0.000 χ^2/NDF: 3192147.3/42

All: 0.018+/-0.000 χ^2/NDF: 6764780.8/88

- sign 0.018+/-0.000 χ^2/NDF: 3519320.0/45

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: 2.642+/-0.000 χ^2/NDF: 72044284374.6/22

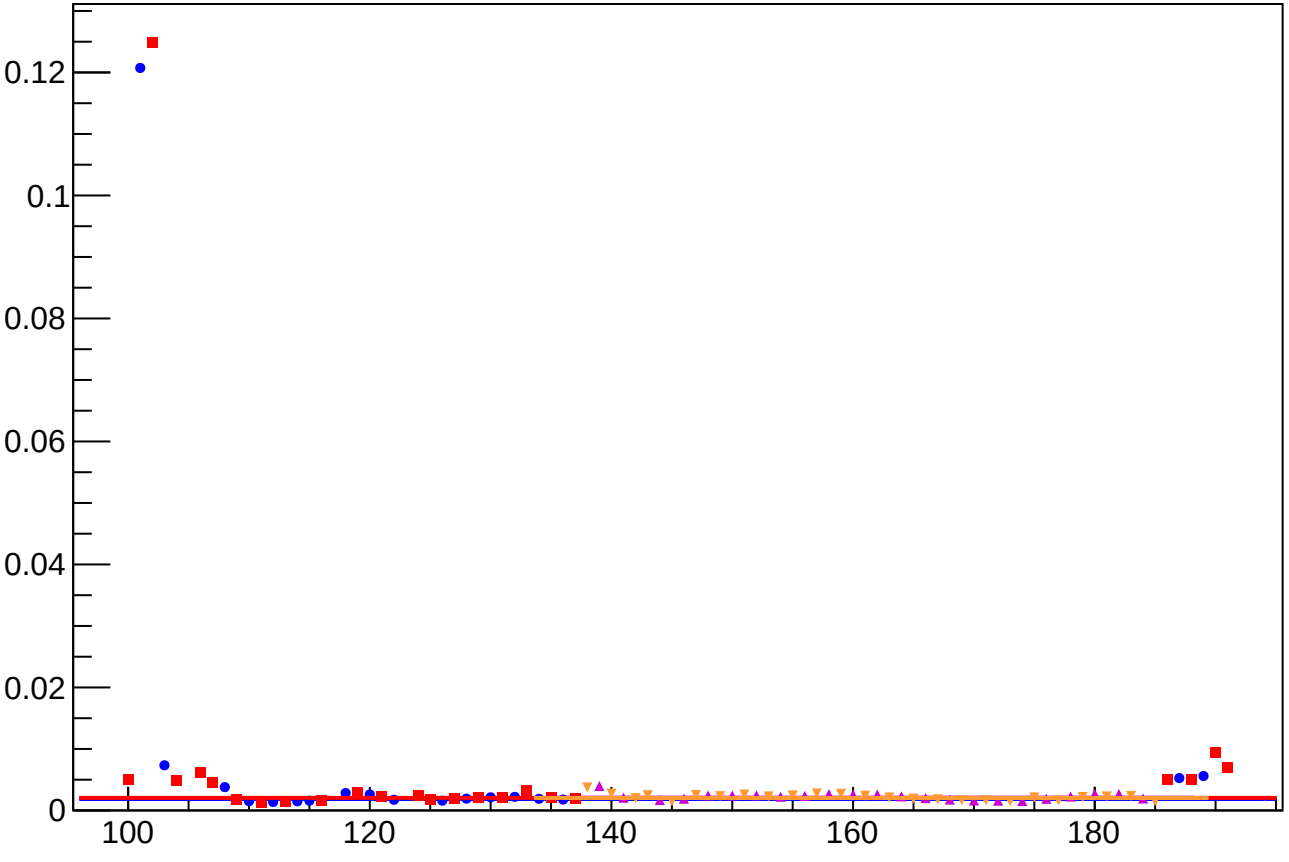
Left In: 2.489+/-0.000 χ^2/NDF:61212546319.1/22

+ sign 2.538+/-0.000 χ^2/NDF: 192665575999.4/42

All: 2.536+/-0.000 χ^2/NDF: 350152096737.5

- sign 2.534+/-0.000 χ^2/NDF: 157455285107.9/45

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: 4139959.9/22

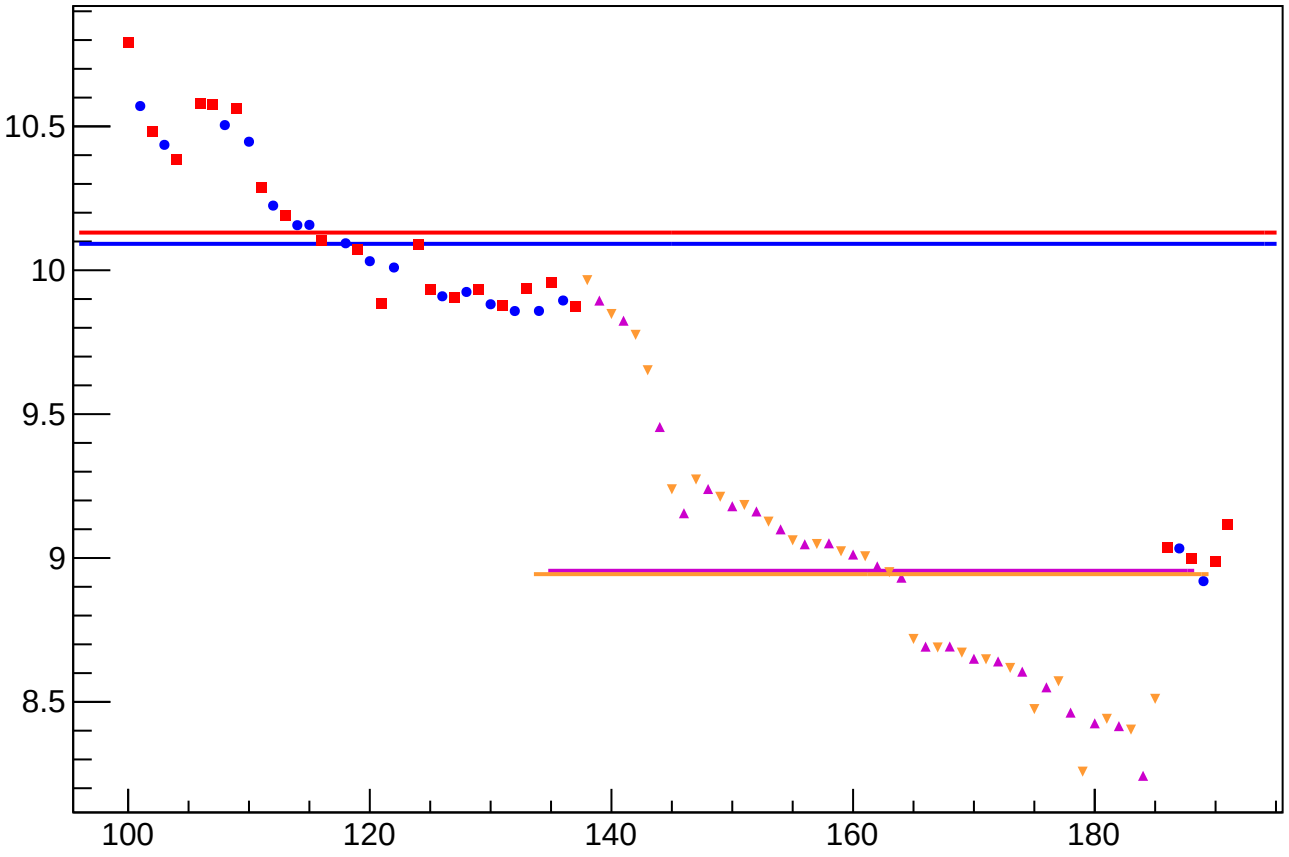
Left In: 0.002+/-0.000 χ^2/NDF:1402331.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 4014278.5/42

All: 0.002+/-0.000 χ^2/NDF: 9589017.7/88

- sign 0.002+/-0.000 χ^2/NDF: 5543093.0/45

yield_sam8_mean vs Slug



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: 10.131+/-0.000 χ^2/NDF: 17949983825.3/22

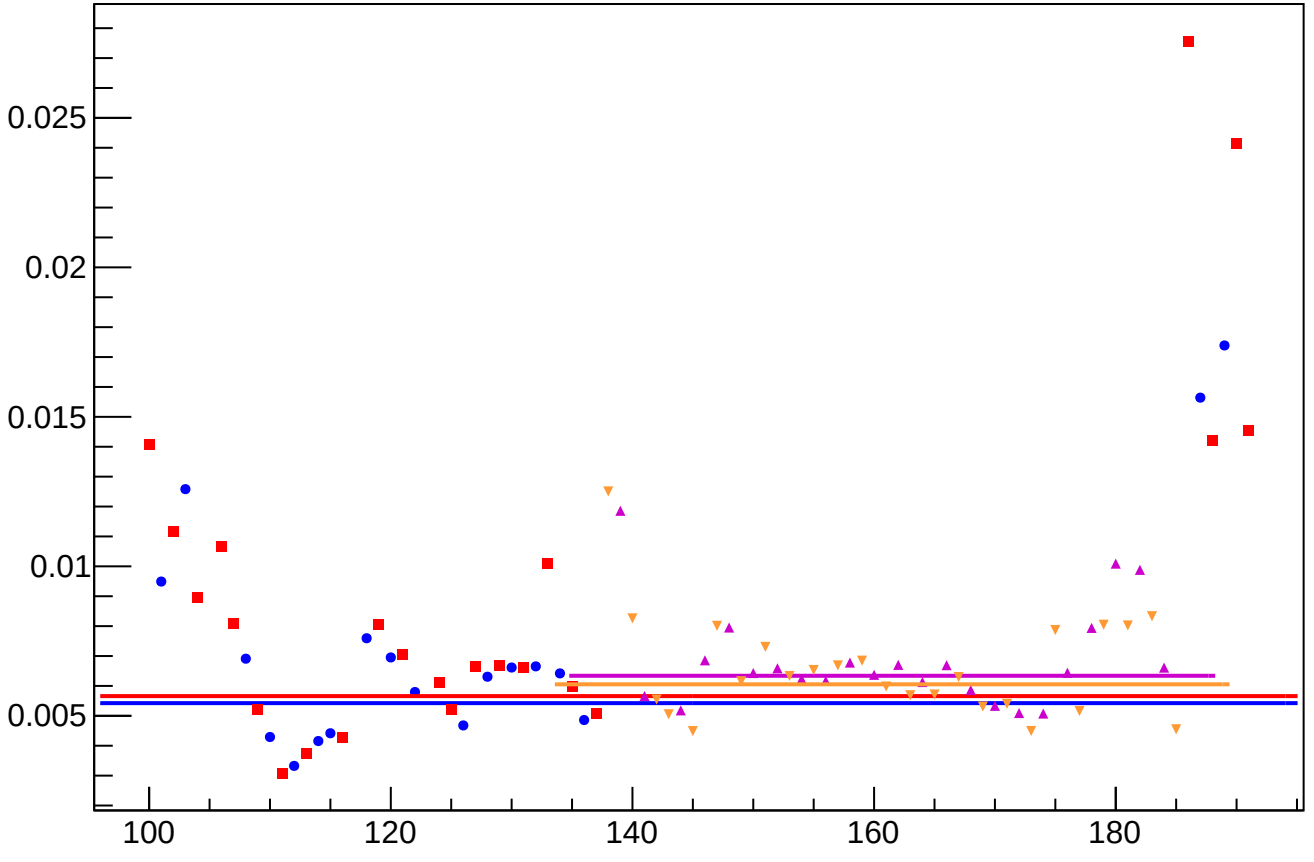
Left In: 8.956+/-0.000 χ^2/NDF:51572164470.4/22

+ sign 9.311+/-0.000 χ^2/NDF: 253614209469.5/42

All: 9.344+/-0.000 χ^2/NDF: 504606079215.4

- sign 9.379+/-0.000 χ^2/NDF: 249641543025.3/45

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: 3599509.3/22

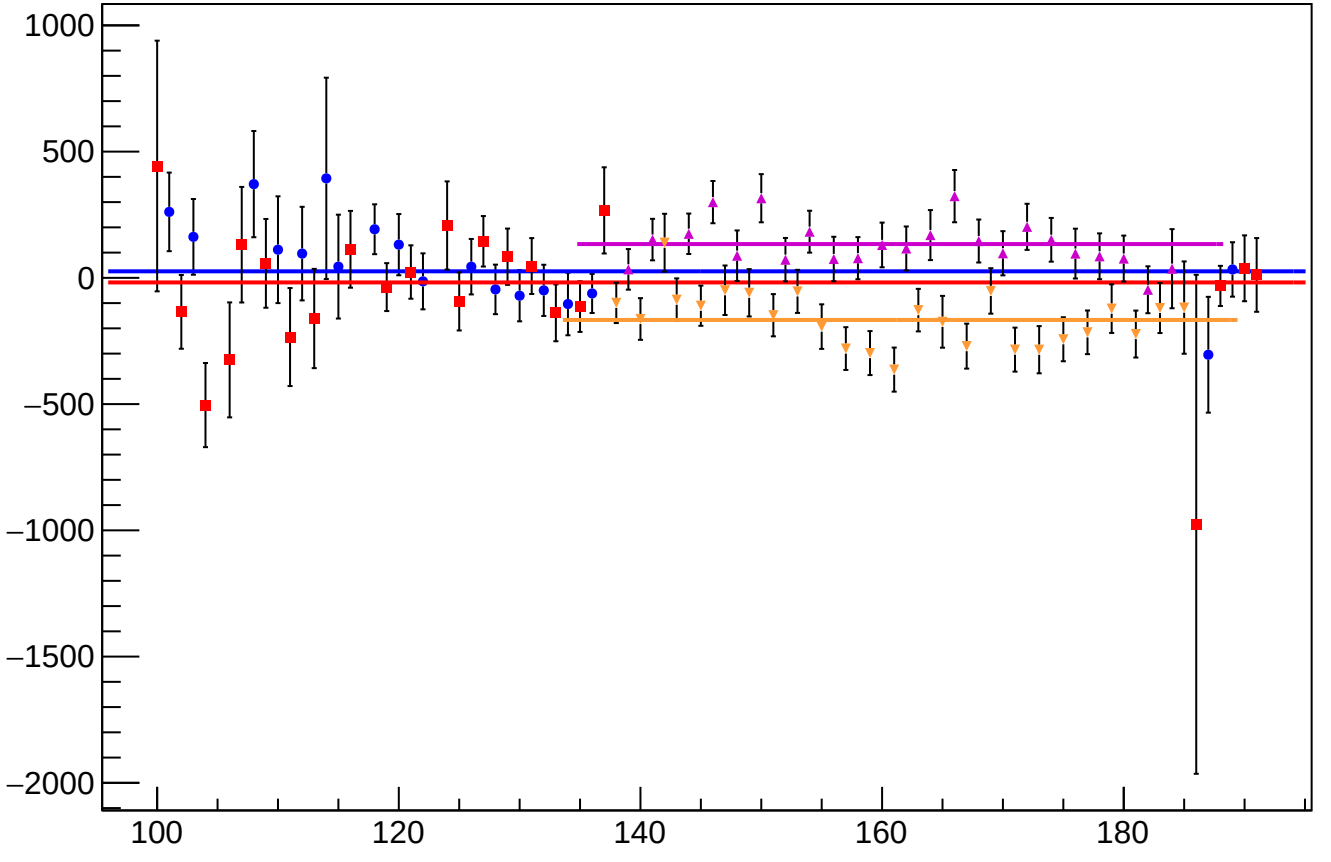
Left In: 0.006+/-0.000 χ^2/NDF:1175260.9/22

+ sign 0.006+/-0.000 χ^2/NDF: 3470341.1/42

All: 0.006+/-0.000 χ^2/NDF: 8400141.3/88

- sign 0.006+/-0.000 χ^2/NDF: 4895265.9/45

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: -18.113+/-27.720 χ^2/NDF: 27.1/22

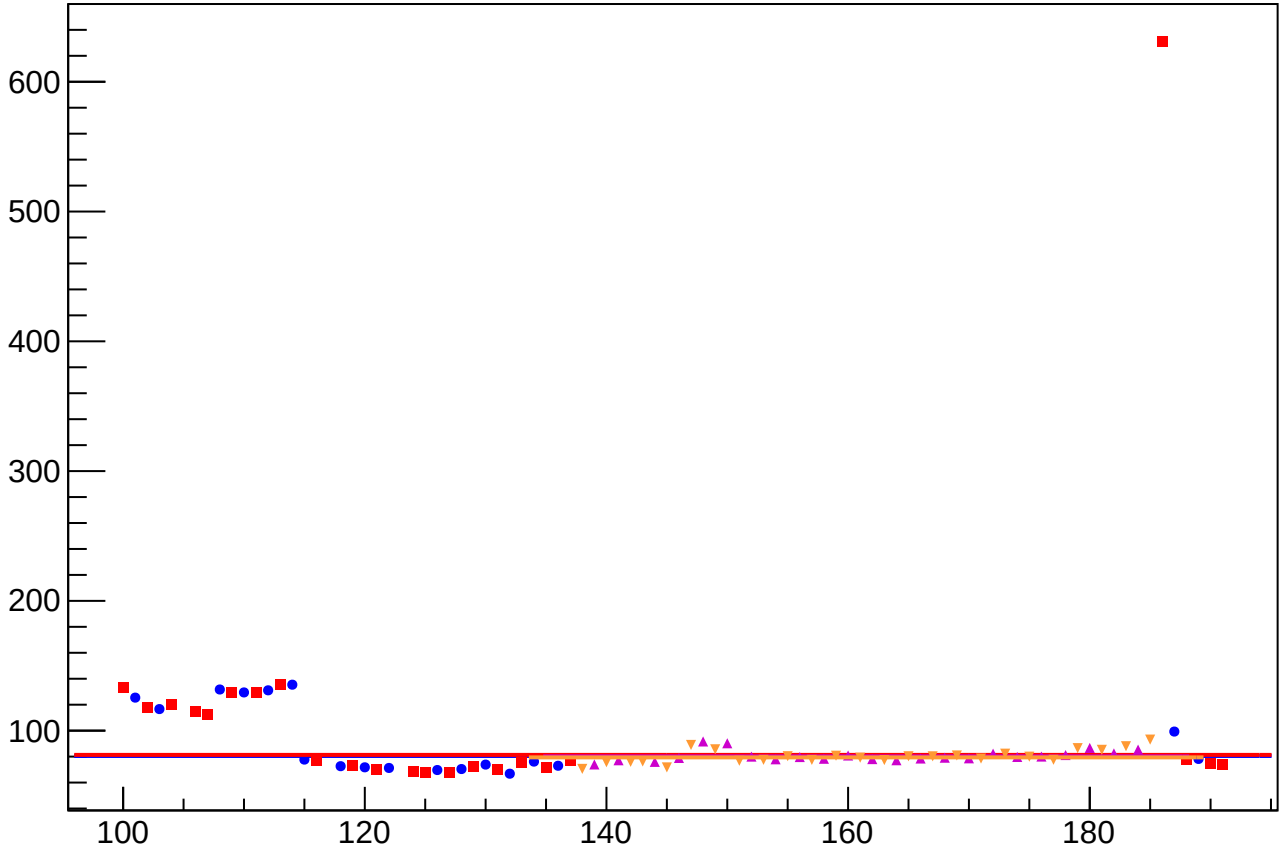
Left In: 133.843+/-18.756 χ^2/NDF:20.7/22

+ sign -113.729+/-15.394 χ^2/NDF: 80.0/42

All: -14.707+/-10.935 χ^2/NDF: 232.0/88

- sign 86.124+/-15.534 χ^2/NDF: 68.5/45

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: 81.320+/-0.020 χ^2/NDF: 1565597.5/22

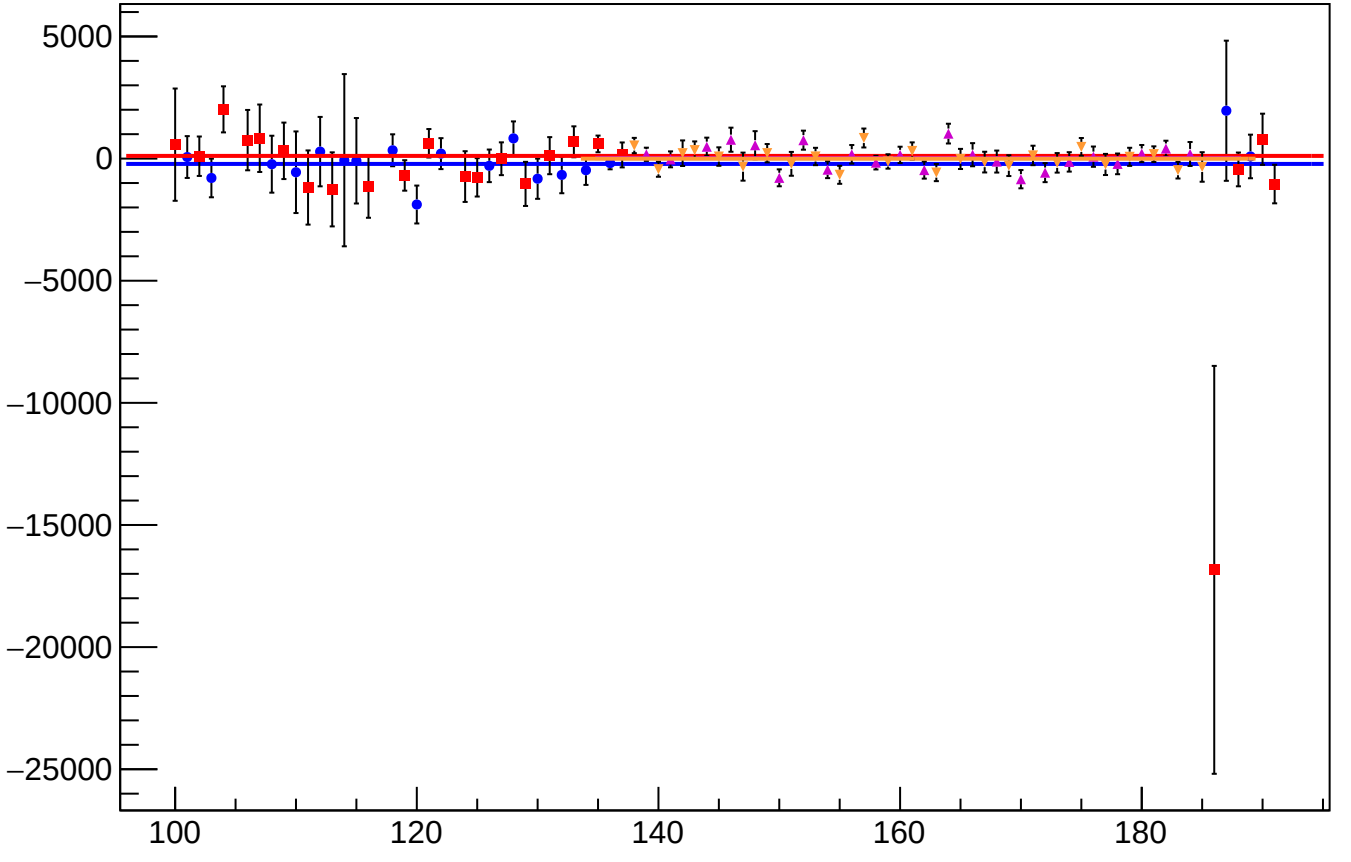
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 79.711+/-0.011 χ^2/NDF: 991235.6/42

All: 80.114+/-0.008 χ^2/NDF: 2653465.4/88

- sign 80.524+/-0.011 χ^2/NDF: 1659467.1/45

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: 110.263+/-159.989 χ^2/NDF: 23.5/22

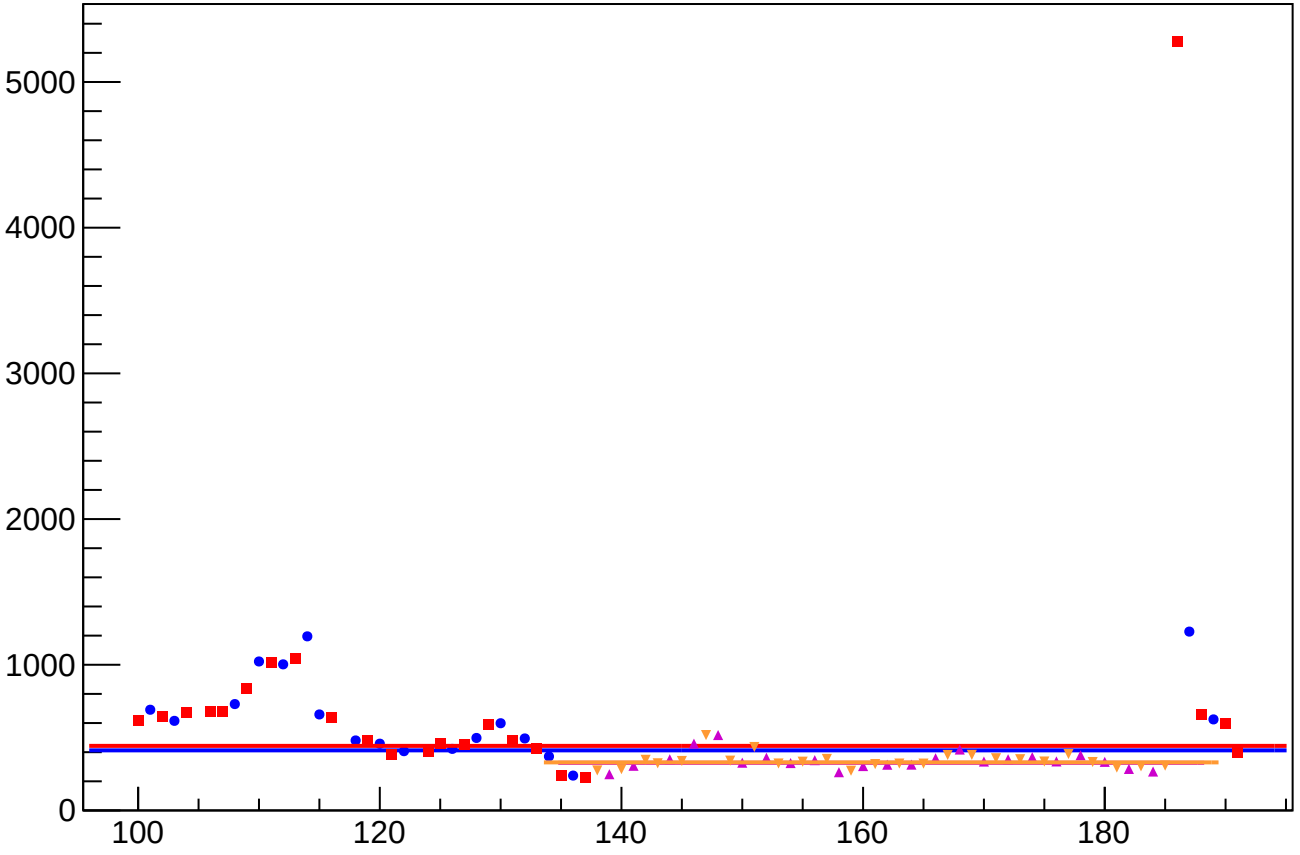
Left In: 19.298+/-77.541 χ^2/NDF:35.0/22

+ sign -42.543+/-68.612 χ^2/NDF: 36.2/42

All: -3.637+/-48.923 χ^2/NDF: 95.6/88

- sign 36.601+/-69.777 χ^2/NDF: 58.8/45

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: 443.291+/-0.113 χ^2/NDF: 3308768.6/22

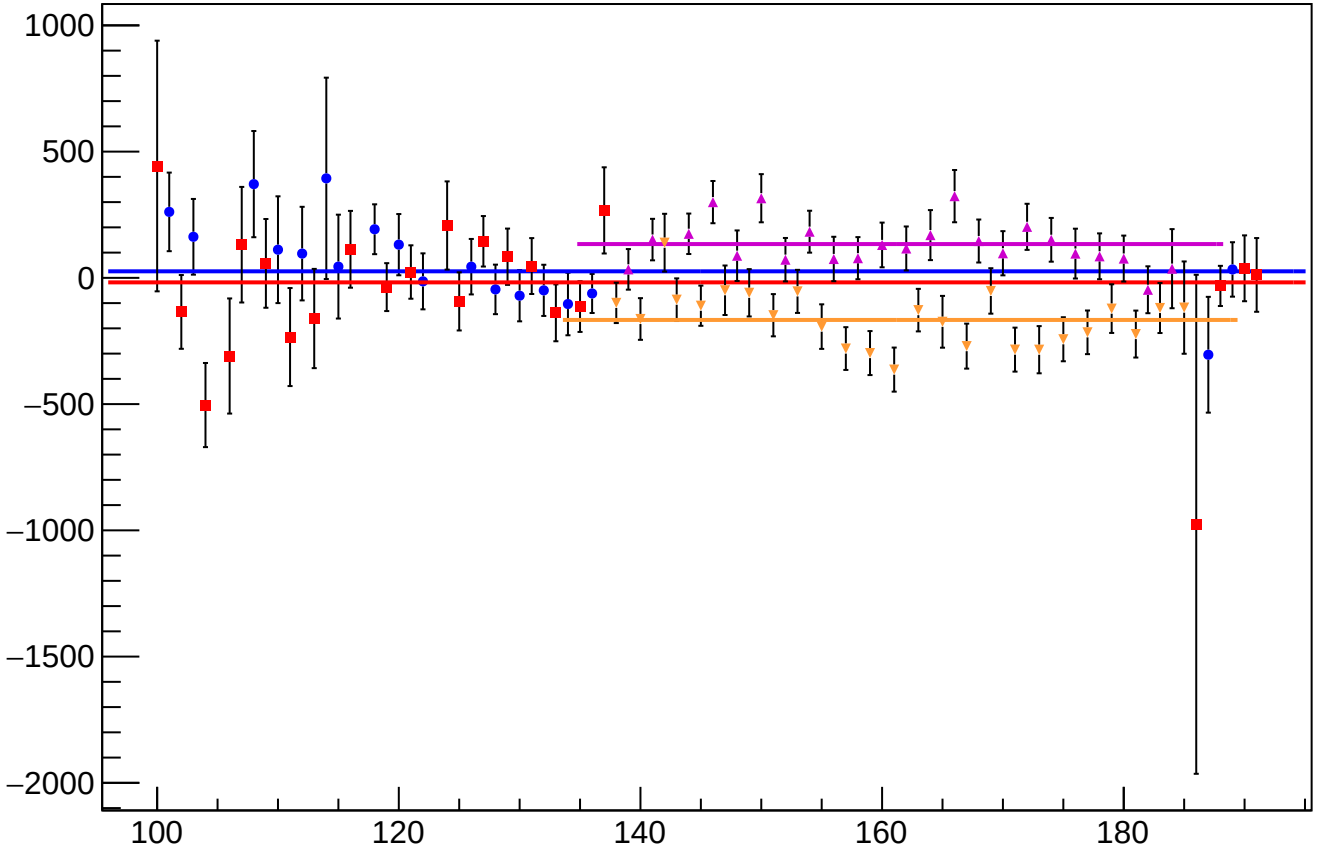
Left In: 326.963+/-0.055 χ^2/NDF:899326.3/22

+ sign 344.985+/-0.049 χ^2/NDF: 3732015.2/42

All: 347.003+/-0.035 χ^2/NDF: 8799850.7/88

- sign 349.091+/-0.049 χ^2/NDF: 5064315.4/45

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: -17.878+/-27.721 χ^2/NDF: 26.9/22

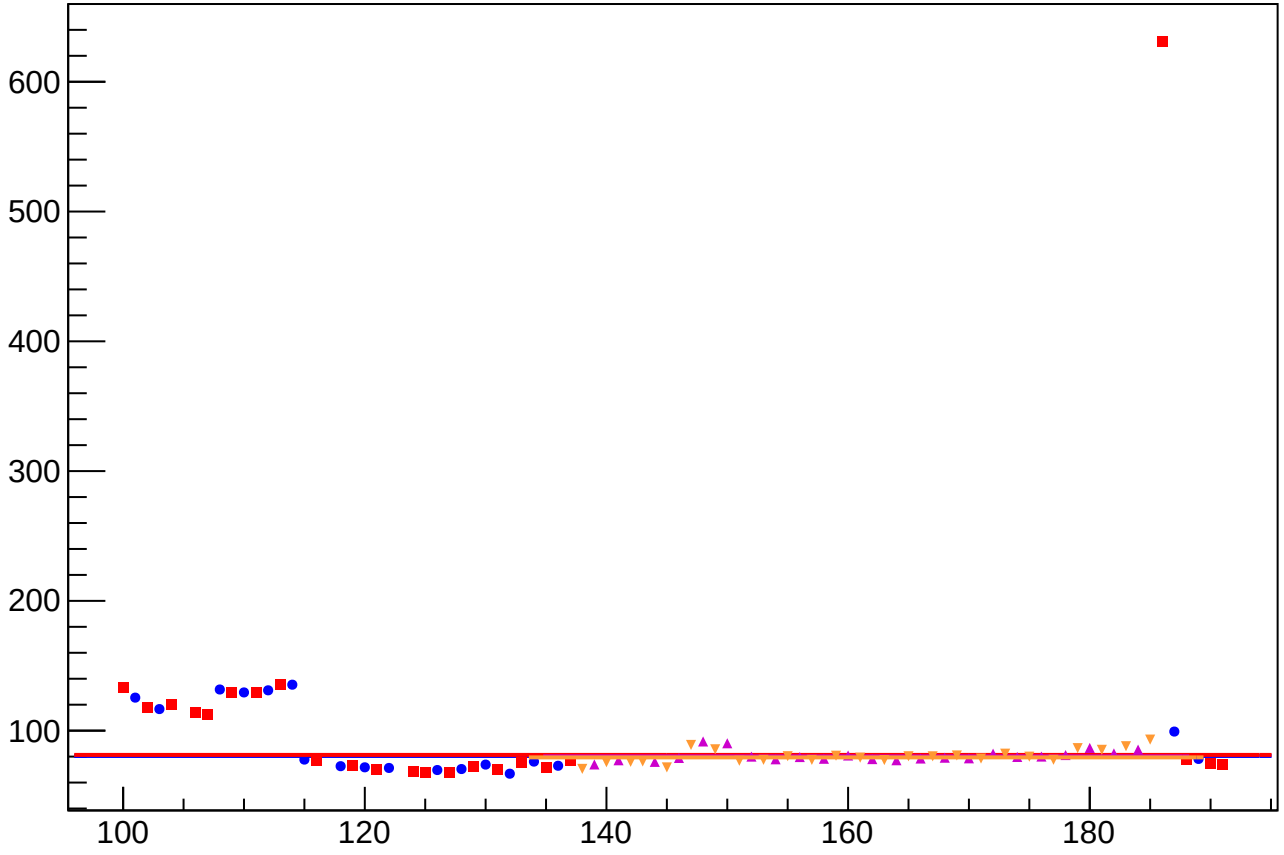
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -113.726+/-15.394 χ^2/NDF: 80.0/42

All: -14.666+/-10.935 χ^2/NDF: 231.8/88

- sign 86.204+/-15.534 χ^2/NDF: 68.2/45

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: 81.308+/-0.020 χ^2/NDF: 1563684.3/22

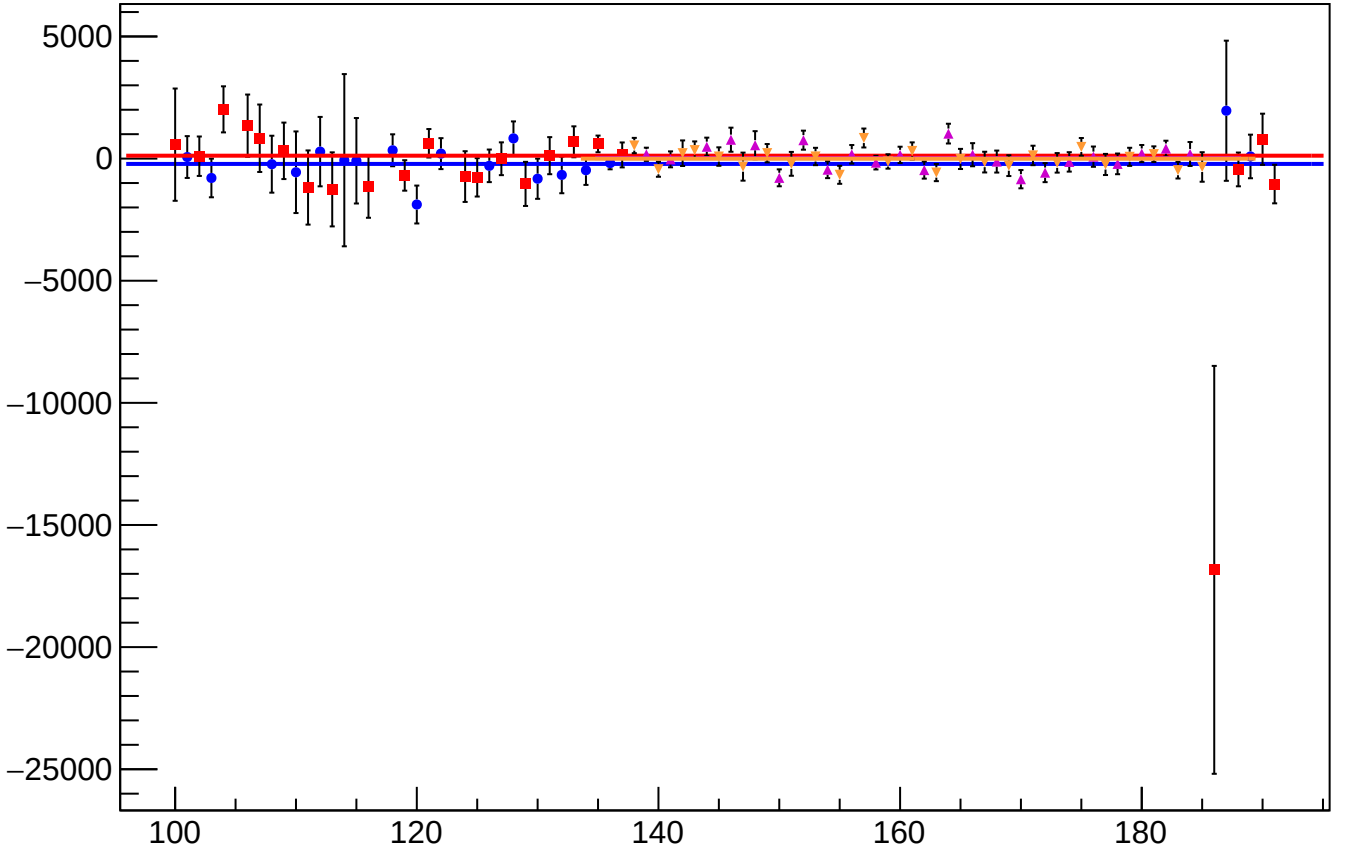
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 79.711+/-0.011 χ^2/NDF: 991235.8/42

All: 80.112+/-0.008 χ^2/NDF: 2651477.1/88

- sign 80.520+/-0.011 χ^2/NDF: 1657504.3/45

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: 118.963+/-160.070 χ^2/NDF: 24.1/22

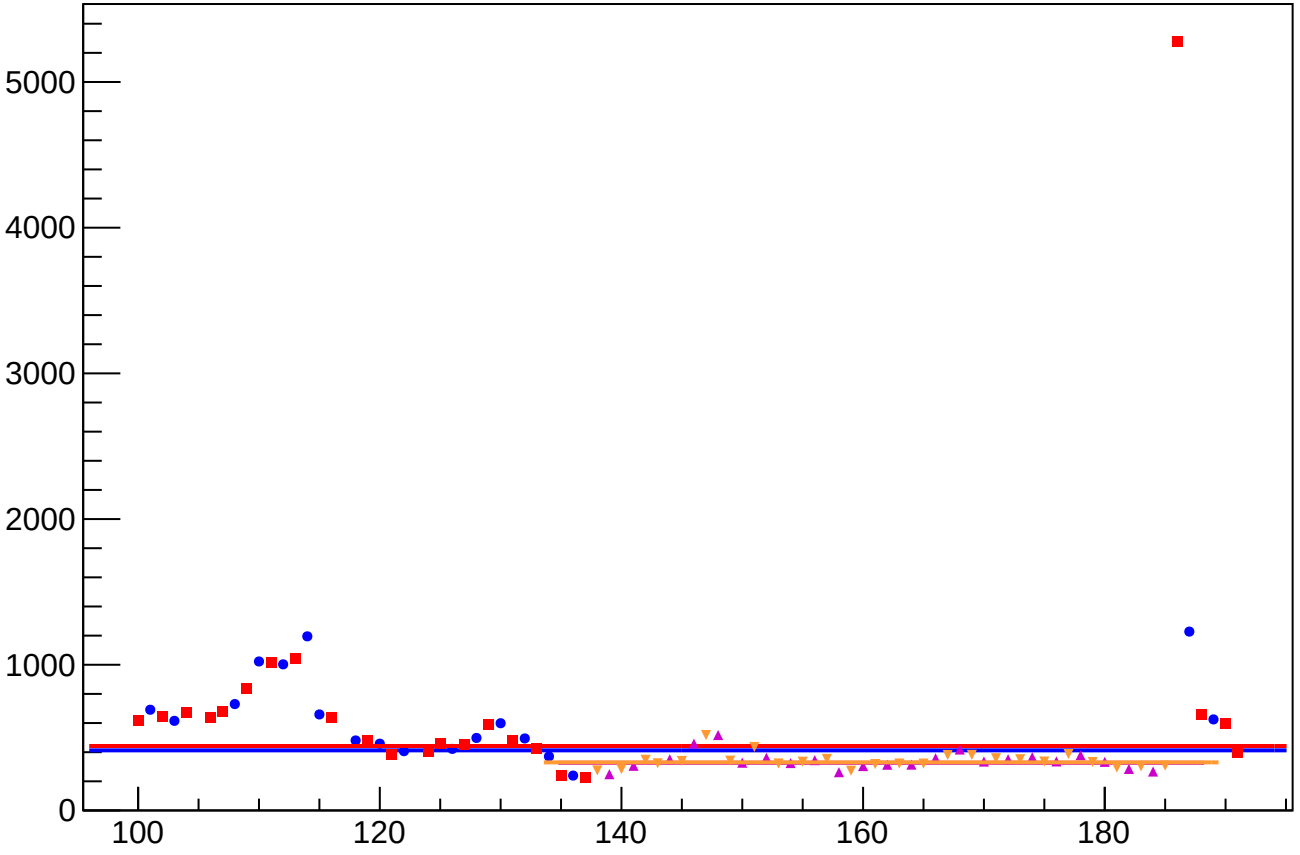
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

+ sign -42.542+/-68.612 χ^2/NDF: 36.2/42

All: -2.832+/-48.925 χ^2/NDF: 96.3/88

- sign 38.246+/-69.784 χ^2/NDF: 59.5/45

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: 442.434+/-0.113 χ^2/NDF: 3283351.0/22

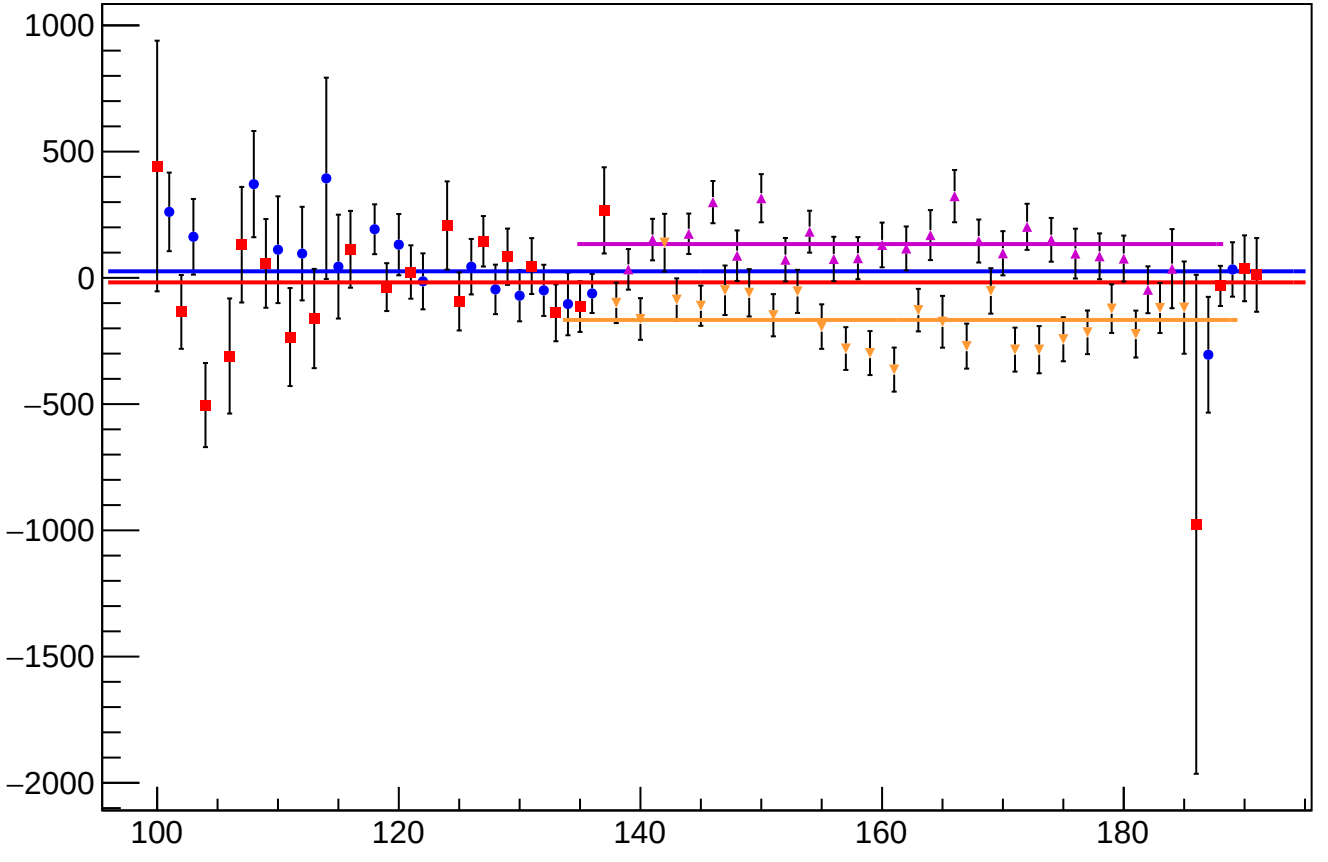
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

+ sign 344.985+/-0.049 χ^2/NDF: 3732021.3/42

All: 346.914+/-0.035 χ^2/NDF: 8760881.6/88

- sign 348.910+/-0.049 χ^2/NDF: 5025643.9/45

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: -17.878+/-27.721 χ^2/NDF: 26.9/22

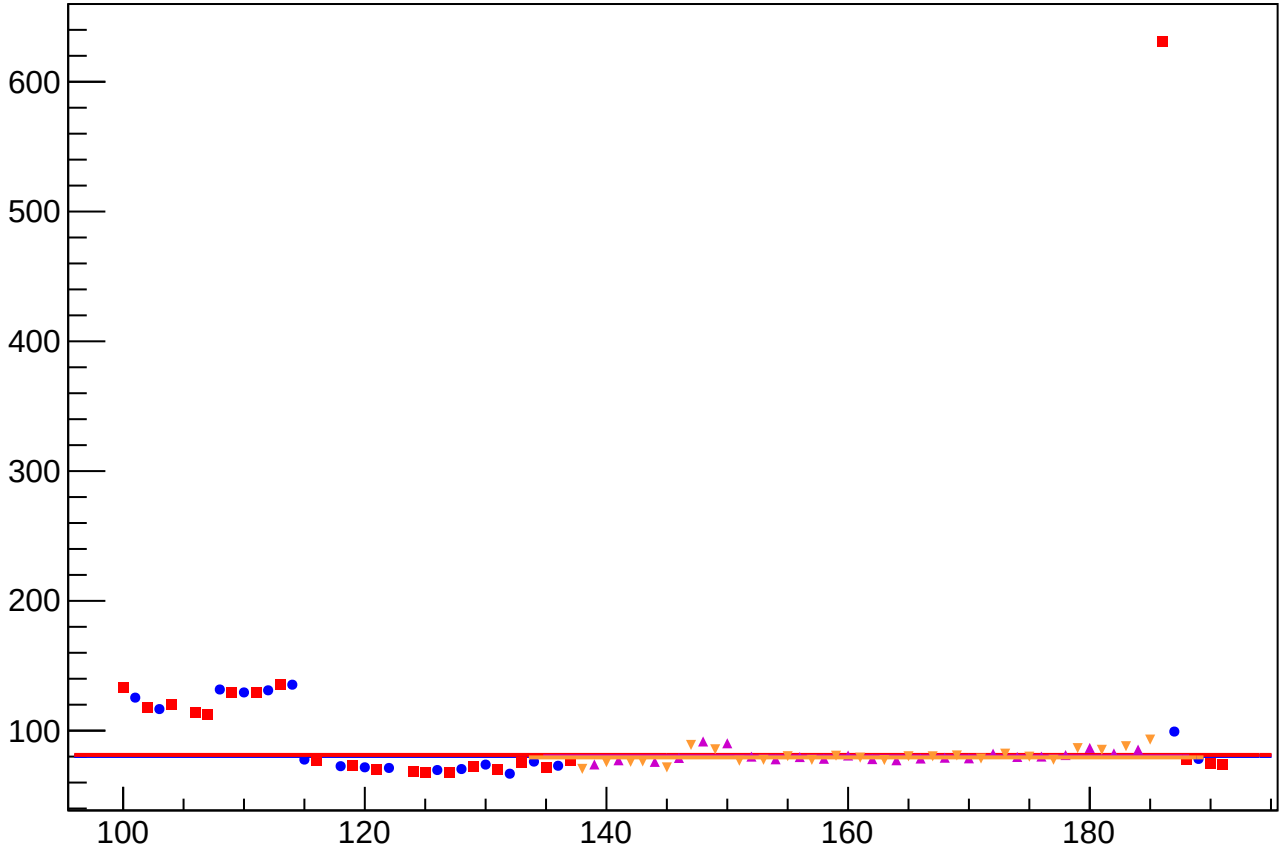
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -113.726+/-15.394 χ^2/NDF: 80.0/42

All: -14.666+/-10.935 χ^2/NDF: 231.8/88

- sign 86.204+/-15.534 χ^2/NDF: 68.2/45

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: 81.308+/-0.020 χ^2/NDF: 1563684.3/22

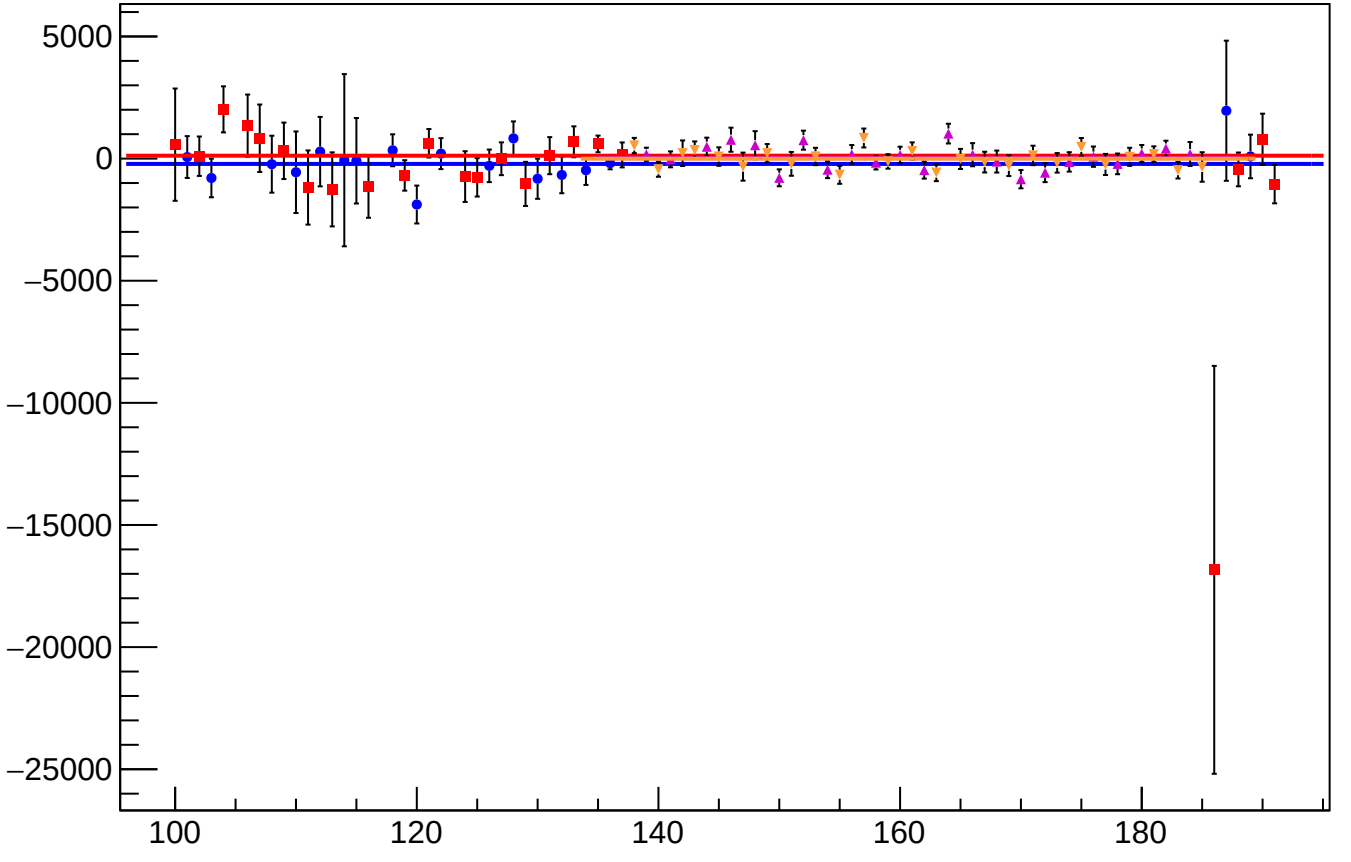
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 79.711+/-0.011 χ^2/NDF: 991235.8/42

All: 80.112+/-0.008 χ^2/NDF: 2651477.1/88

- sign 80.520+/-0.011 χ^2/NDF: 1657504.3/45

asym_sam1_eigen_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: 118.963+/-160.070 χ^2/NDF: 24.1/22

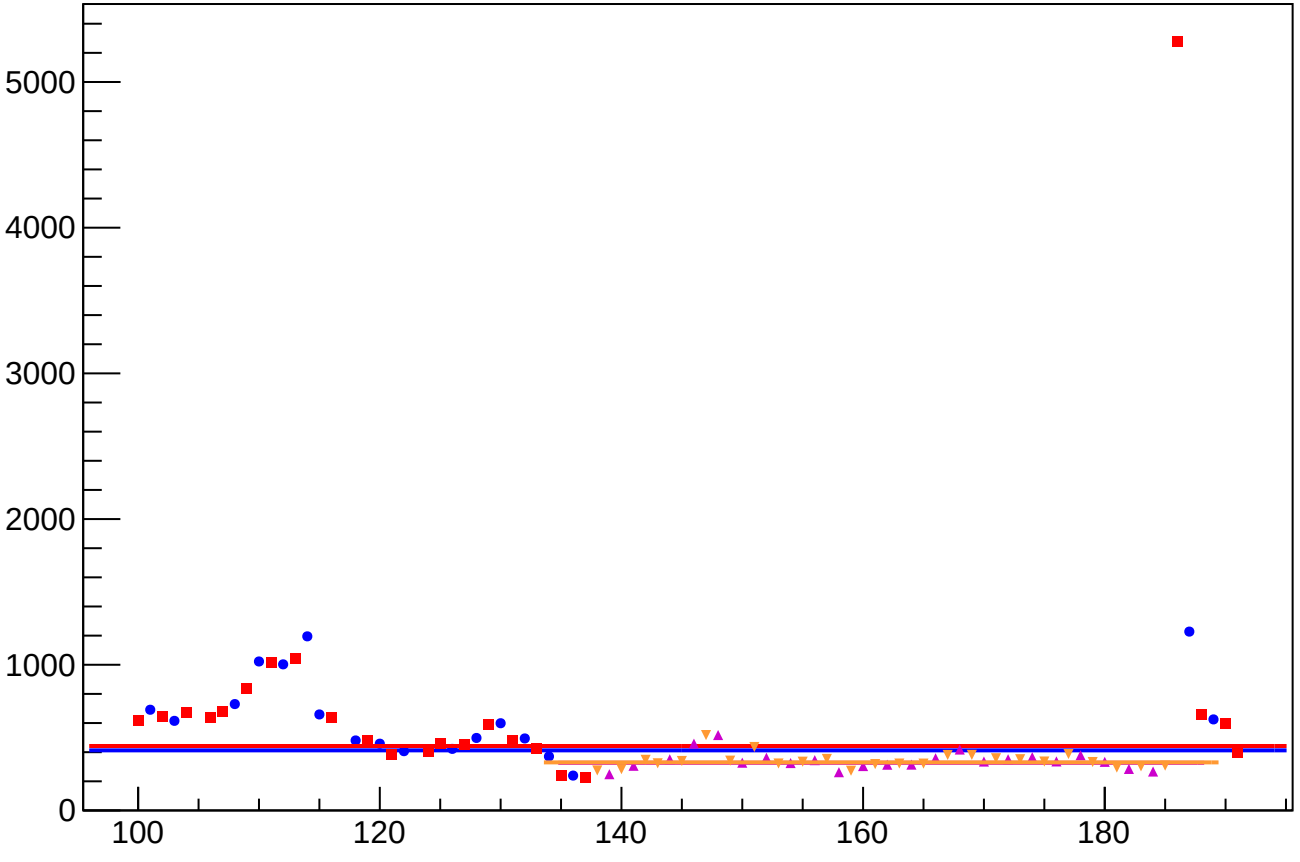
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

+ sign -42.542+/-68.612 χ^2/NDF: 36.2/42

All: -2.832+/-48.925 χ^2/NDF: 96.3/88

- sign 38.246+/-69.784 χ^2/NDF: 59.5/45

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: 442.434+/-0.113 χ^2/NDF: 3283351.0/22

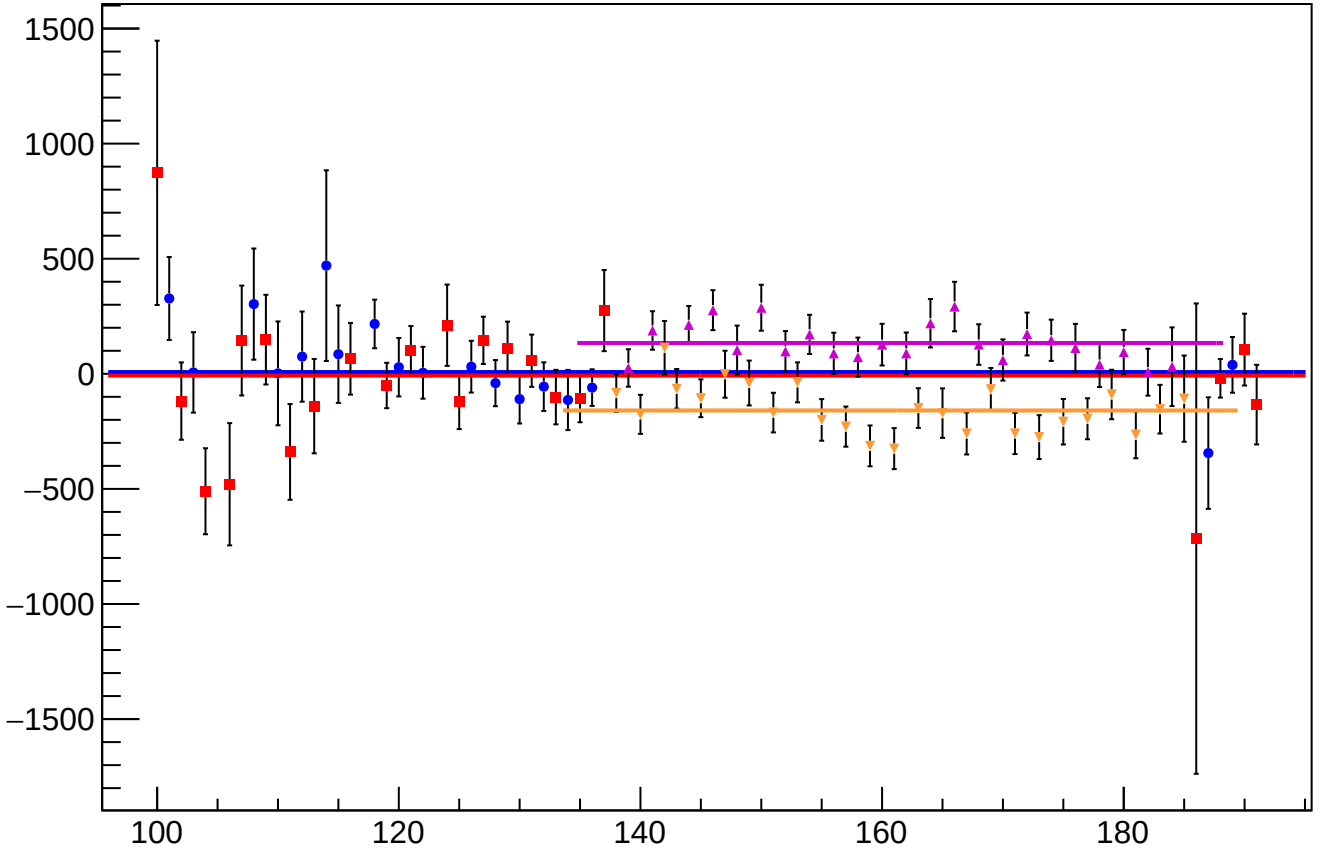
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

+ sign 344.985+/-0.049 χ^2/NDF: 3732021.3/42

All: 346.914+/-0.035 χ^2/NDF: 8760881.6/88

- sign 348.910+/-0.049 χ^2/NDF: 5025643.9/45

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: -7.863+/-29.258 χ^2/NDF: 30.3/22

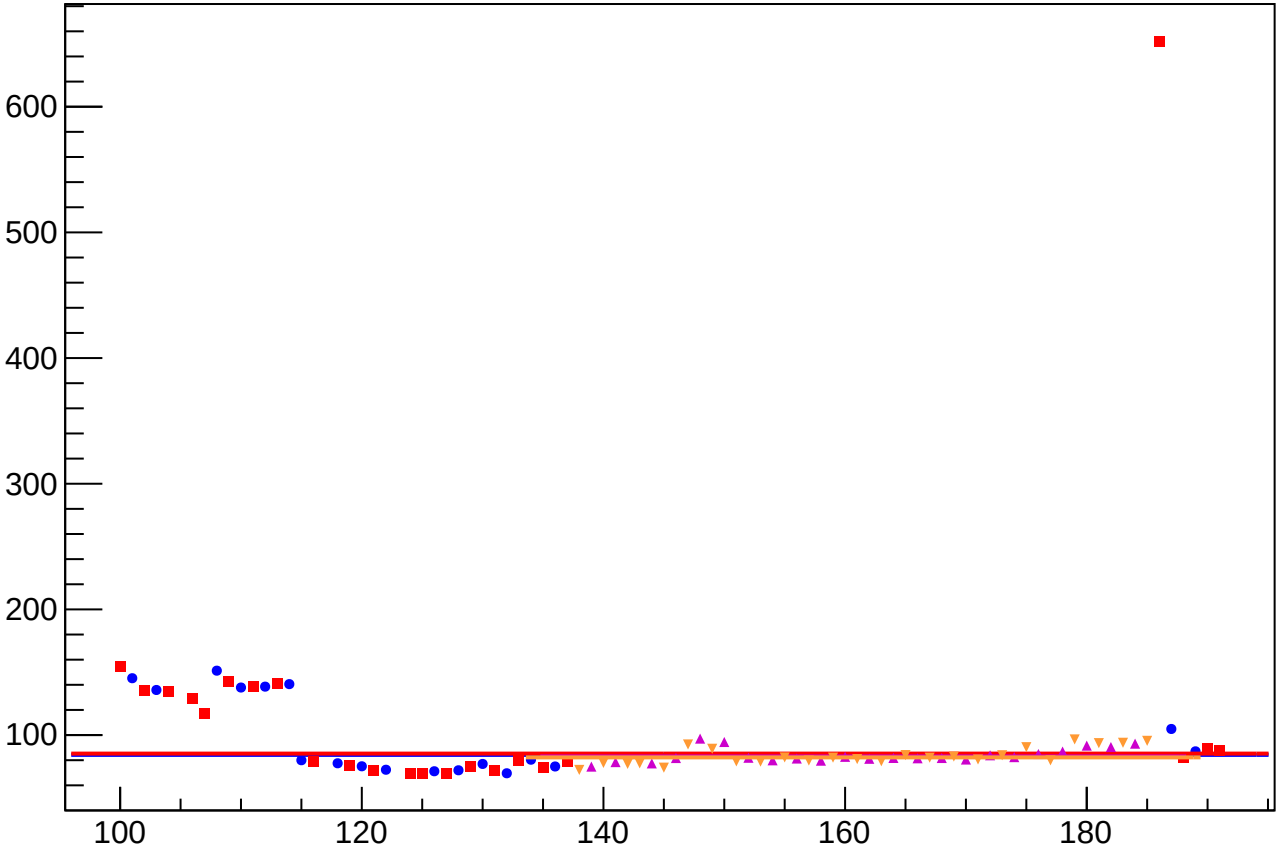
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -114.426+/-16.036 χ^2/NDF: 65.1/42

All: -12.928+/-11.394 χ^2/NDF: 209.1/88

- sign 90.557+/-16.192 χ^2/NDF: 63.1/45

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: 85.250+/-0.021 χ^2/NDF: 1741864.0/22

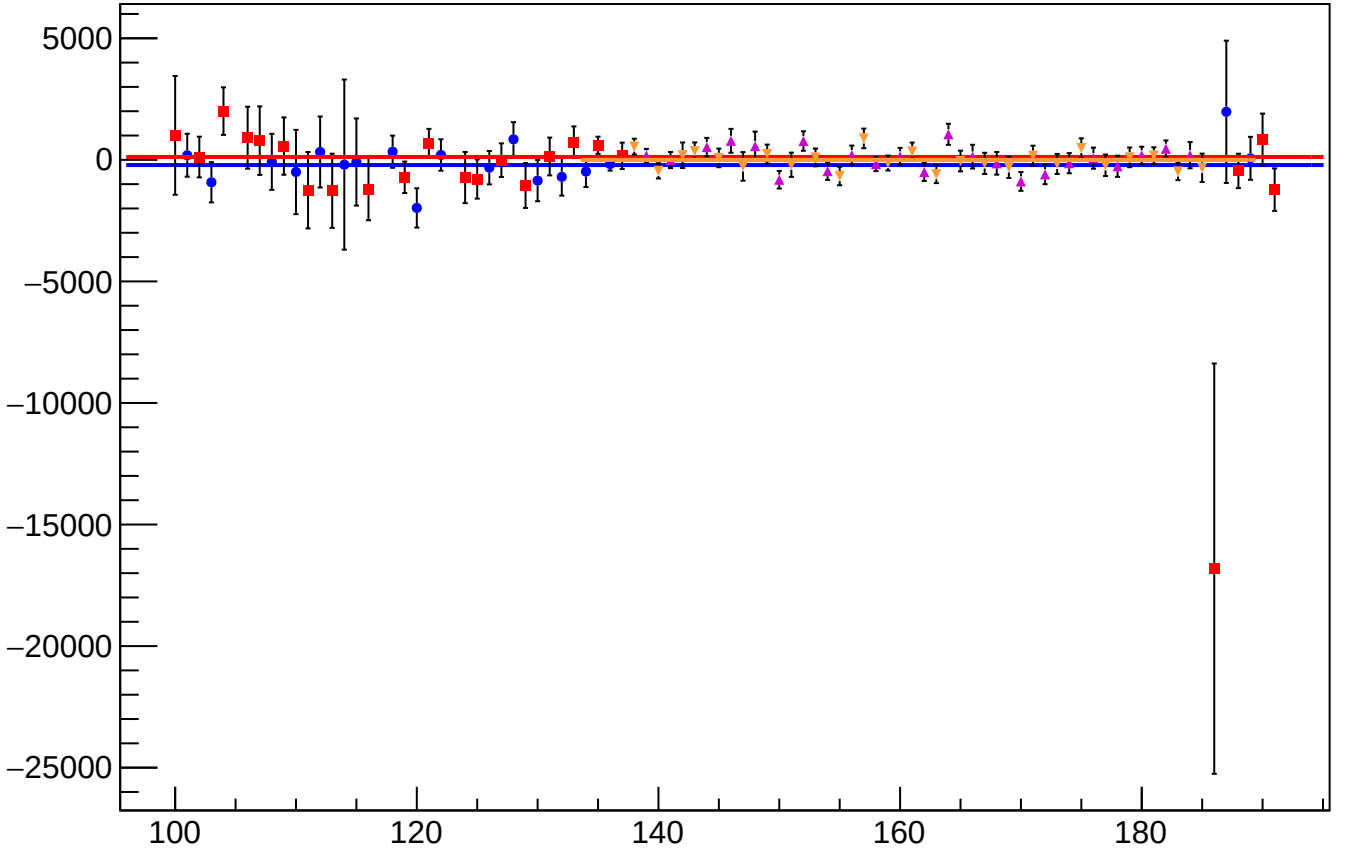
Left In: 82.993+/-0.014 χ^2/NDF:145608.6/22

+ sign 82.778+/-0.011 χ^2/NDF: 1273540.7/42

All: 83.227+/-0.008 χ^2/NDF: 3172429.6/88

- sign 83.684+/-0.011 χ^2/NDF: 1895728.3/45

asym_sam1_dit_correction_mean vs Slug



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: 118.954+/-165.658 χ^2/NDF: 23.6/22

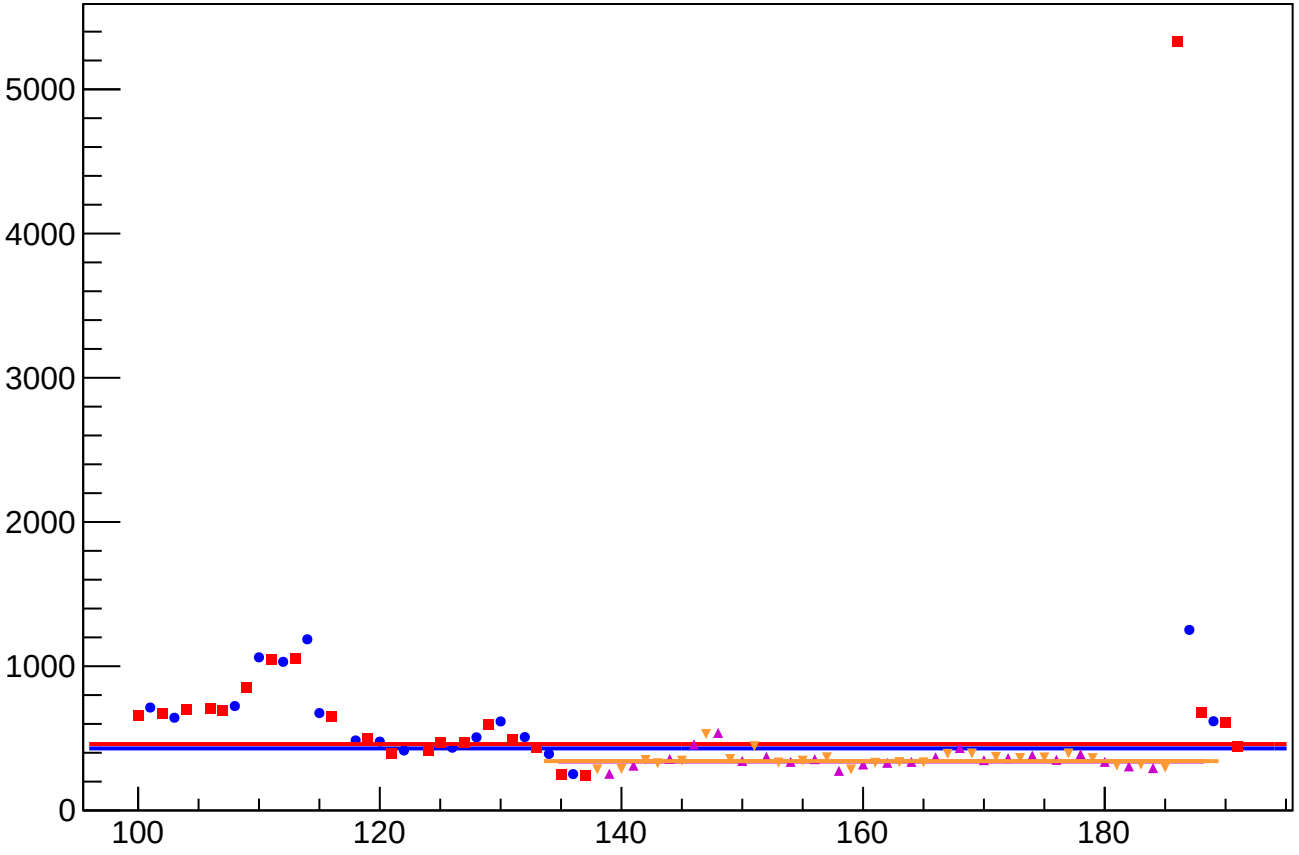
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

+ sign -41.361+/-71.087 χ^2/NDF: 35.9/42

All: -3.330+/-50.703 χ^2/NDF: 95.3/88

- sign 36.051+/-72.338 χ^2/NDF: 58.8/45

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: 460.455+/-0.117 χ^2/NDF: 3224335.3/22

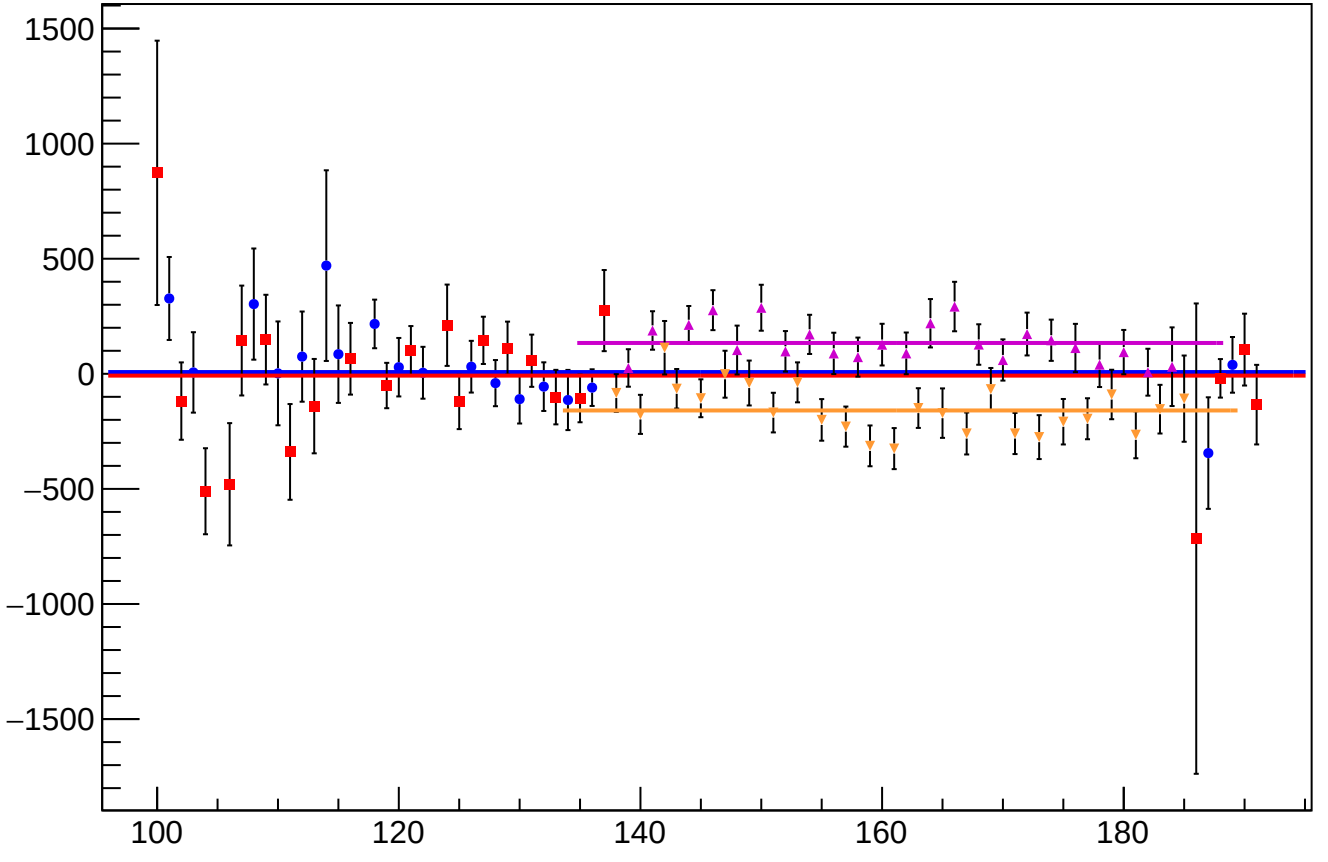
Left In: 339.430+/-0.057 χ^2/NDF:846706.0/22

+ sign 357.936+/-0.050 χ^2/NDF: 3621415.2/42

All: 360.182+/-0.036 χ^2/NDF: 8560437.0/88

- sign 362.507+/-0.051 χ^2/NDF: 4934959.2/45

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: -7.862+/-29.258 χ^2/NDF: 30.3/22

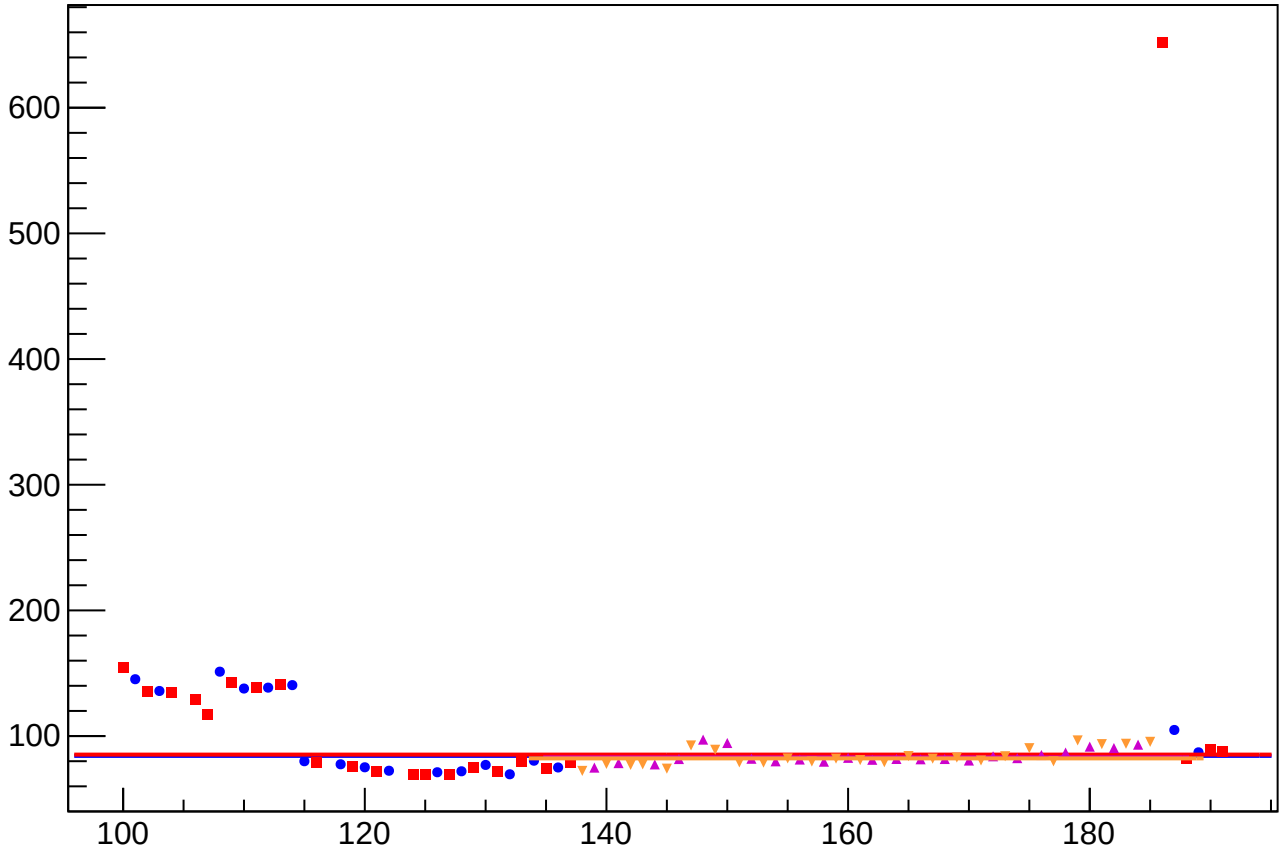
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -114.426+/-16.036 χ^2/NDF: 65.1/42

All: -12.928+/-11.394 χ^2/NDF: 209.1/88

- sign 90.557+/-16.192 χ^2/NDF: 63.1/45

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: 85.250+/-0.021 χ^2/NDF: 1741863.0/22

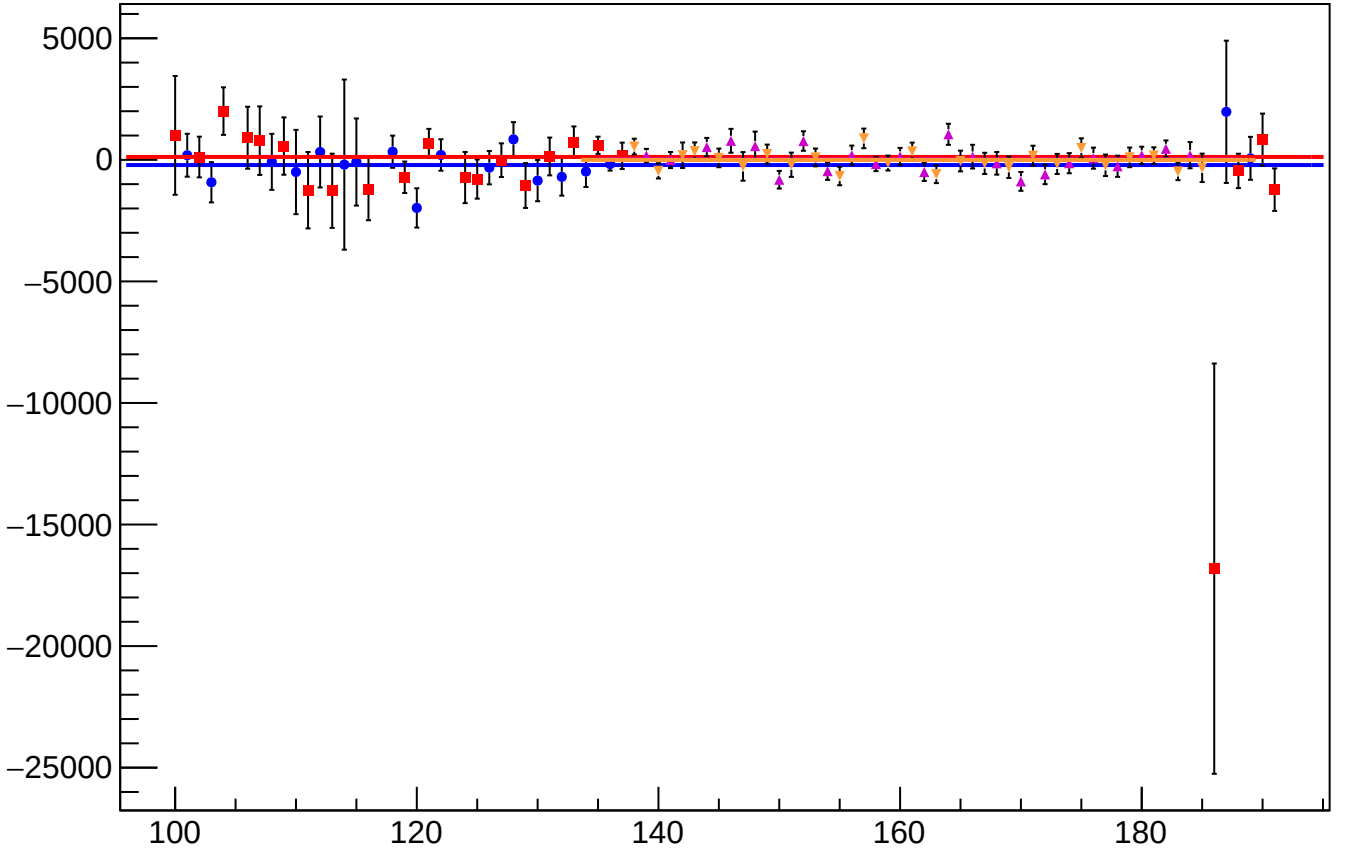
Left In: 82.993+/-0.014 χ^2/NDF:145607.1/22

+ sign 82.778+/-0.011 χ^2/NDF: 1273540.1/42

All: 83.227+/-0.008 χ^2/NDF: 3172425.8/88

- sign 83.684+/-0.011 χ^2/NDF: 1895725.3/45

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: 118.954+/-165.658 χ^2/NDF: 23.6/22

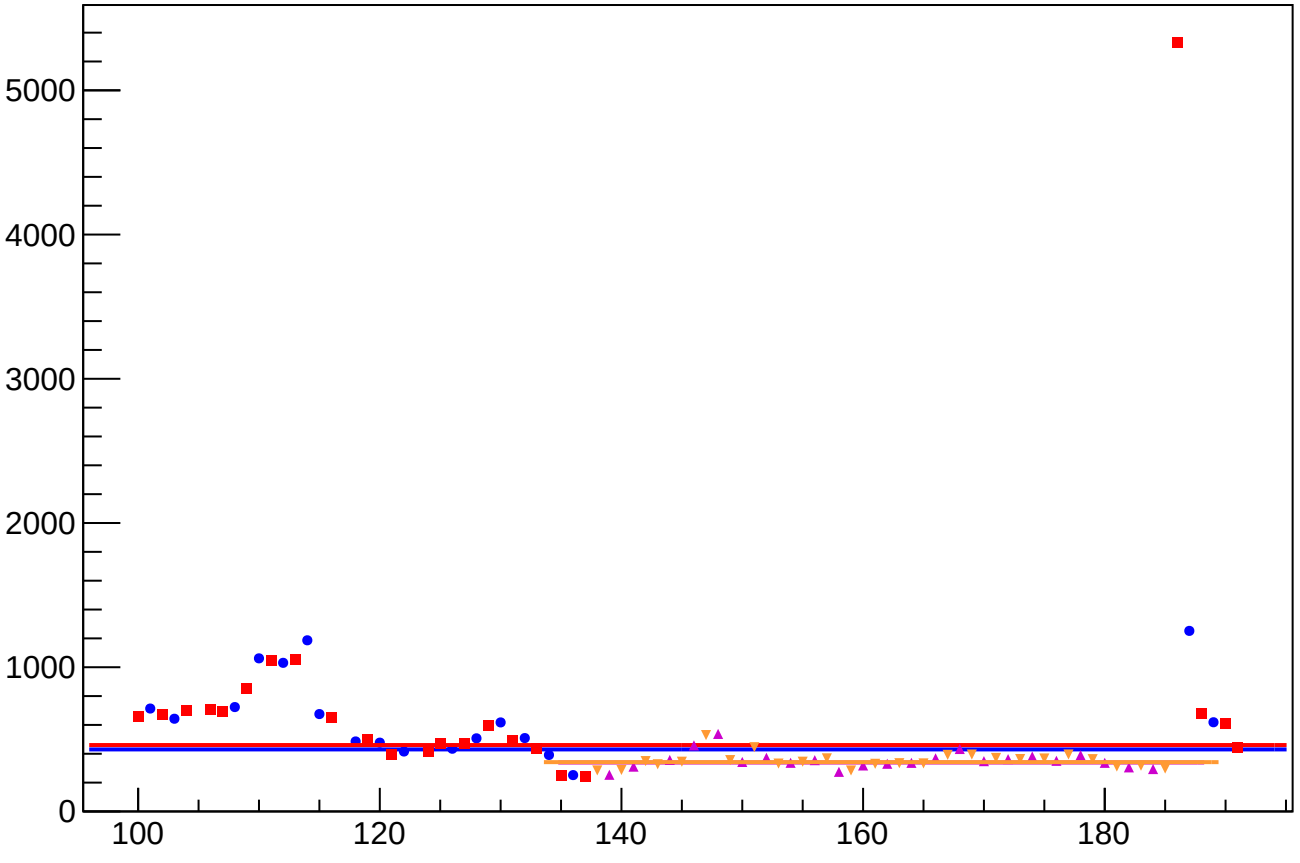
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

+ sign -41.360+/-71.087 χ^2/NDF: 35.9/42

All: -3.330+/-50.703 χ^2/NDF: 95.3/88

- sign 36.051+/-72.338 χ^2/NDF: 58.8/45

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: 460.454+/-0.117 χ^2/NDF: 3224342.4/22

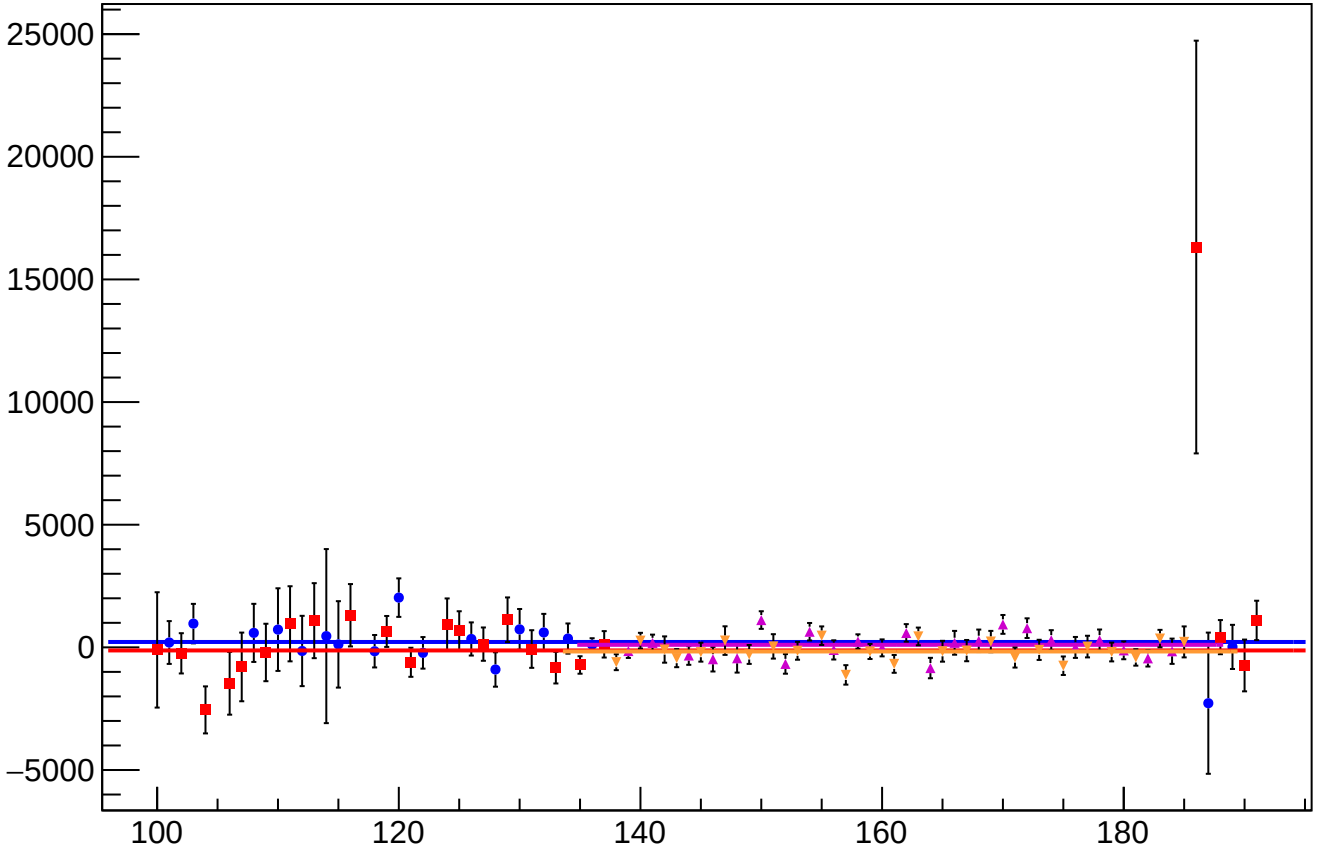
Left In: 339.430+/-0.057 χ^2/NDF:846709.1/22

+ sign 357.936+/-0.050 χ^2/NDF: 3621416.8/42

All: 360.181+/-0.036 χ^2/NDF: 8560439.8/88

- sign 362.507+/-0.051 χ^2/NDF: 4934960.4/45

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: -125.576+/-163.769 χ^2/NDF: 27.7/22

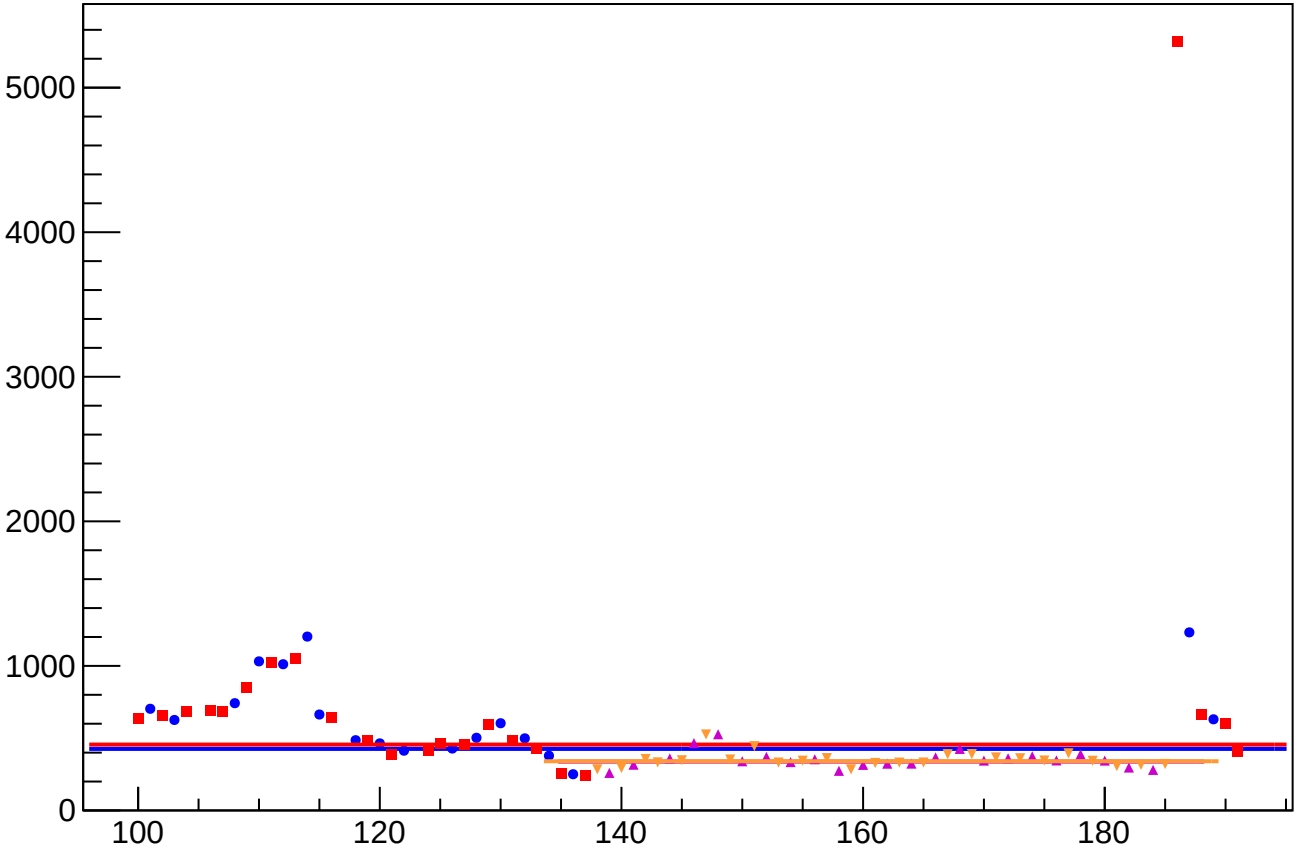
Left In: 104.016+/-79.995 χ^2/NDF:37.5/22

+ sign -96.493+/-70.655 χ^2/NDF: 41.6/42

All: -19.694+/-50.388 χ^2/NDF: 110.7/88

- sign 59.788+/-71.879 χ^2/NDF: 66.8/45

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

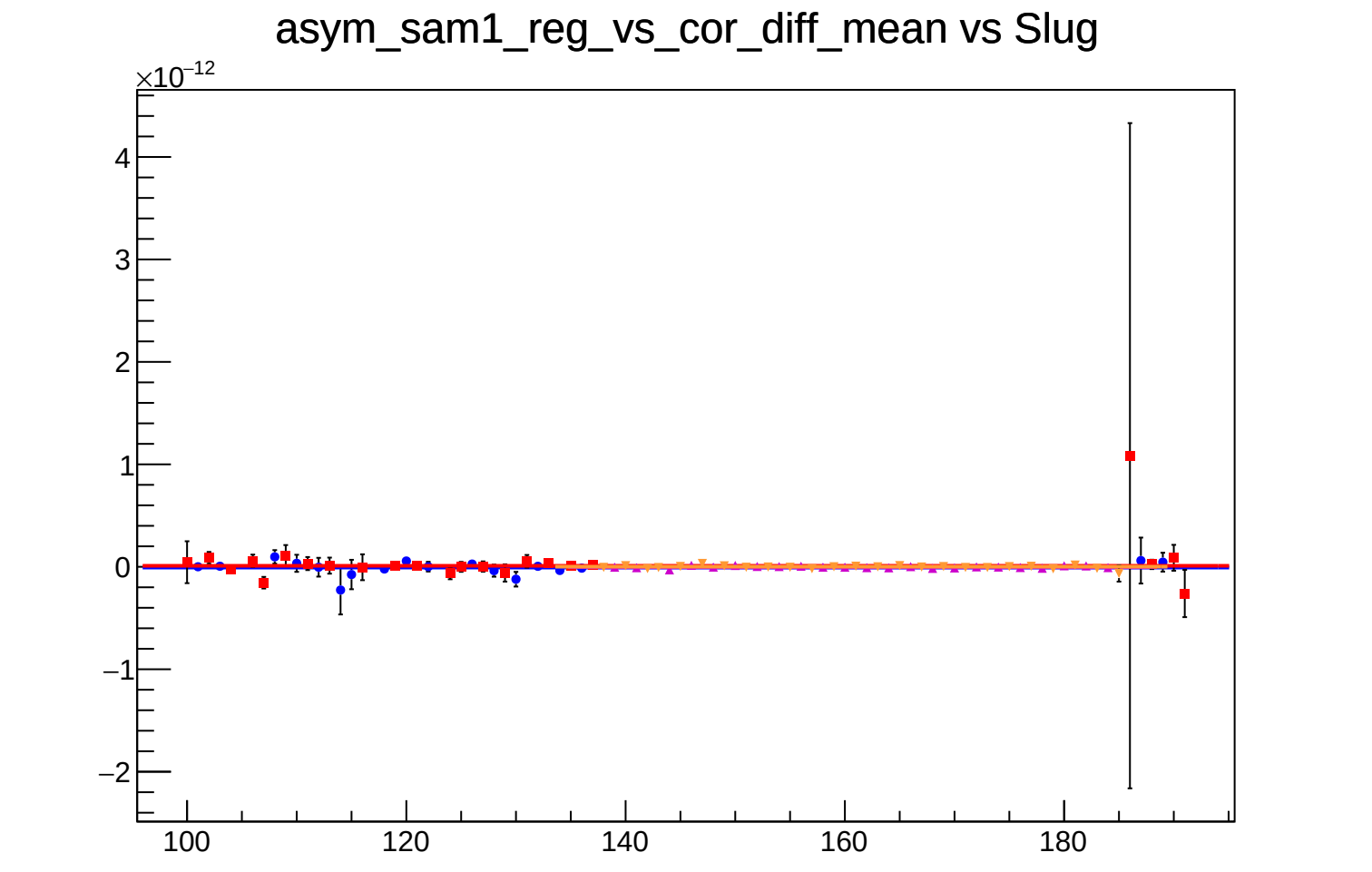
Right Out: 455.822+/-0.116 χ^2/NDF: 3151980.6/22

Left In: 337.759+/-0.057 χ^2/NDF:820674.4/22

+ sign 356.031+/-0.050 χ^2/NDF: 3532444.9/42

All: 358.228+/-0.036 χ^2/NDF: 8348237.7/88

- sign 360.502+/-0.051 χ^2/NDF: 4811857.6/45



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: 18.3/22

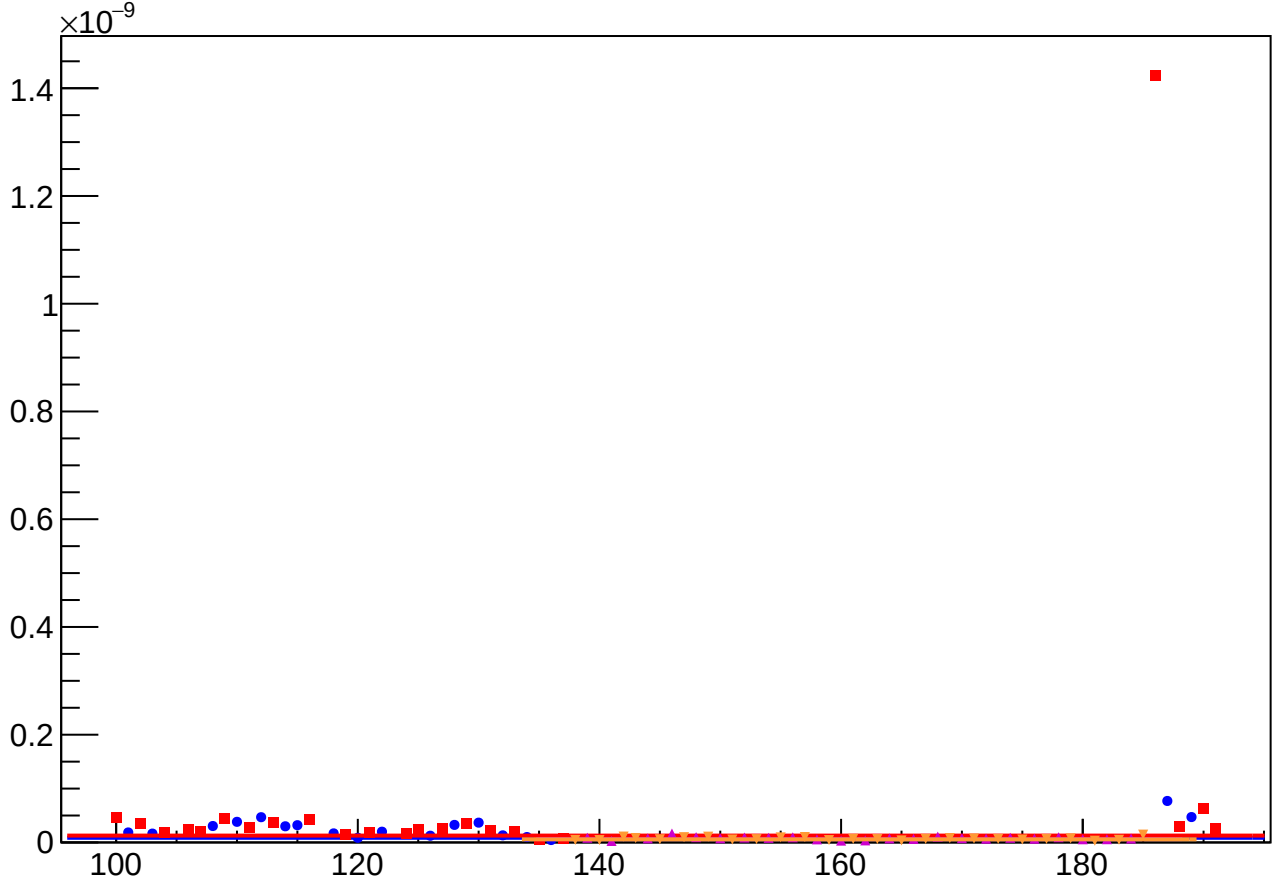
Left In: -0.000+/-0.000 χ^2/NDF:11.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 33.1/42

All: -0.000+/-0.000 χ^2/NDF: 66.4/88

- sign -0.000+/-0.000 χ^2/NDF: 32.8/45

asym_sam1_reg_vs_cor_diff_rms vs Slug



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: 3741892.8/22

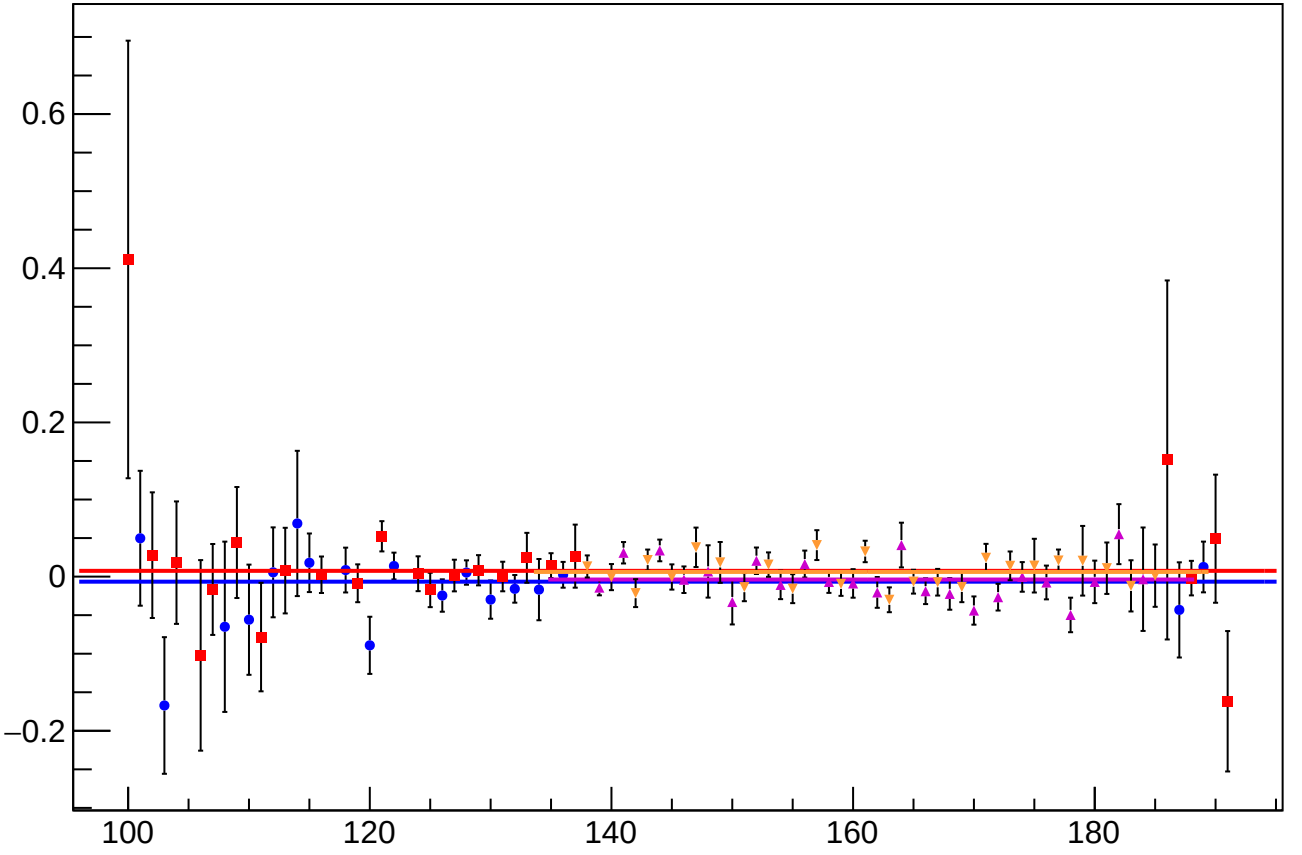
Left In: 0.000+/-0.000 χ^2/NDF:1970663.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 4829258.5/42

All: 0.000+/-0.000 χ^2/NDF: 11818905.5/88

- sign 0.000+/-0.000 χ^2/NDF: 6902244.3/45

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: 0.007+/-0.006 χ^2/NDF: 16.9/22

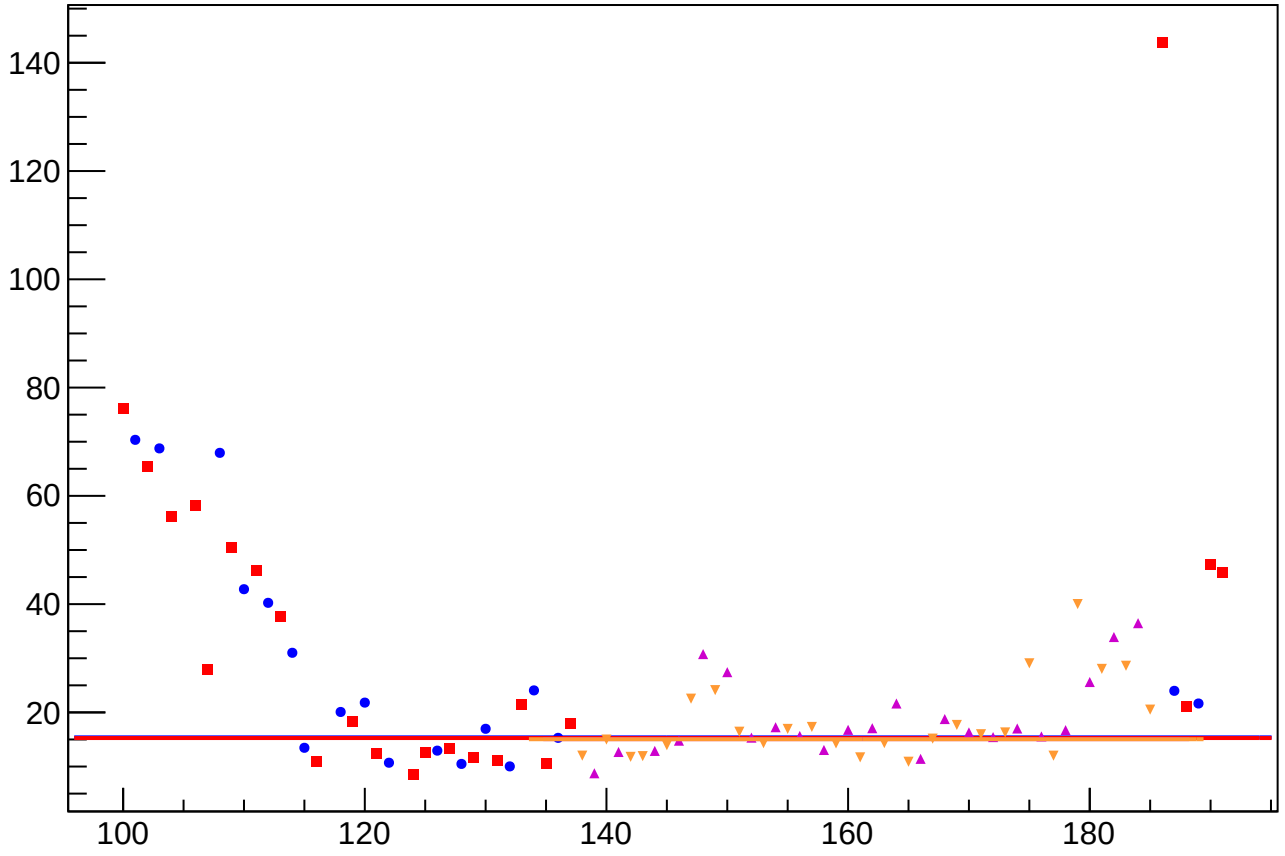
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.003+/-0.003 χ^2/NDF: 45.1/42

All: 0.001+/-0.002 χ^2/NDF: 102.3/88

- sign -0.001+/-0.003 χ^2/NDF: 56.5/45

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: 15.265+/-0.004 χ^2/NDF: 4941941.2/22

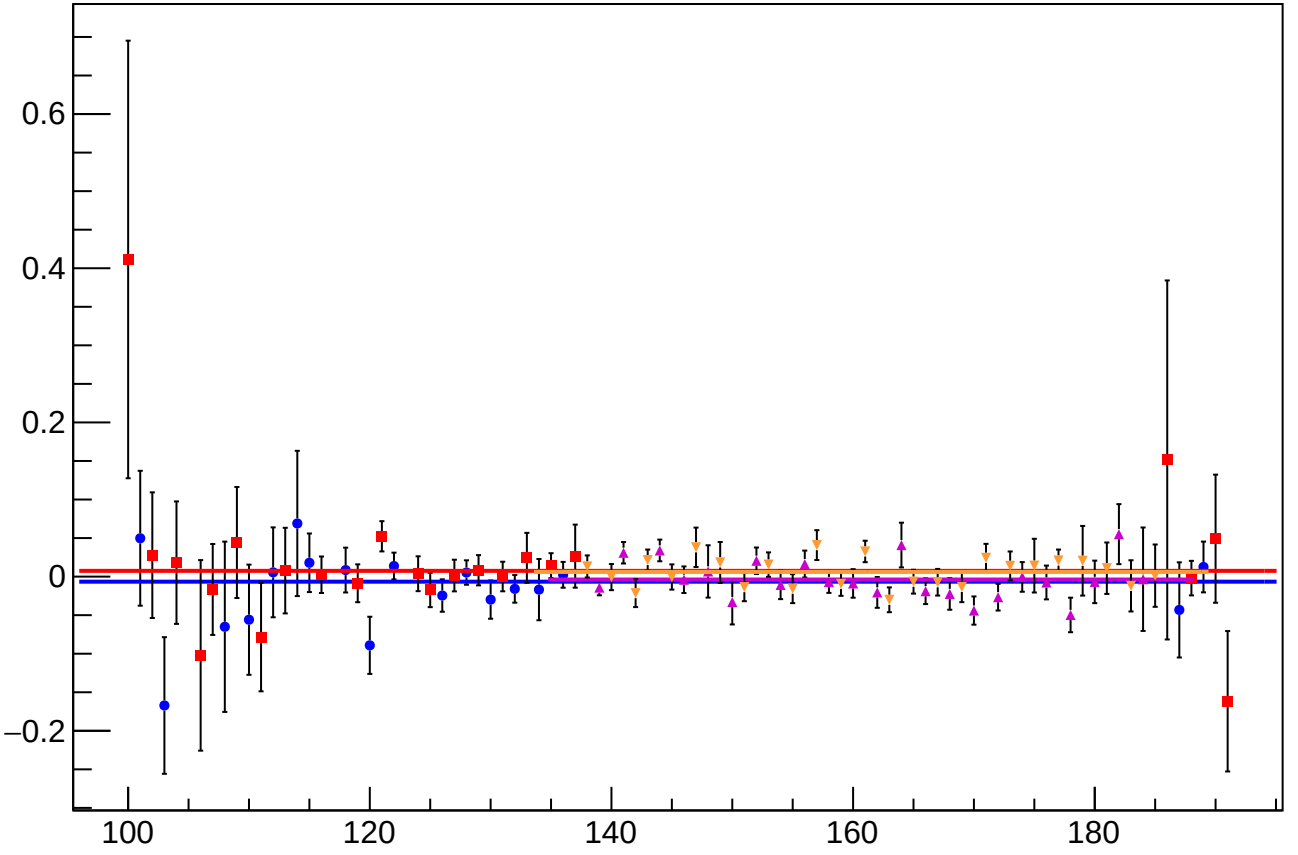
Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

\+ sign 15.129+/-0.002 χ^2/NDF: 6317368.2/42

All: 15.126+/-0.002 χ^2/NDF: 14327398.3/88

\- sign 15.123+/-0.002 χ^2/NDF: 8010027.5/45

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: 0.007+/-0.006 χ^2/NDF: 16.9/22

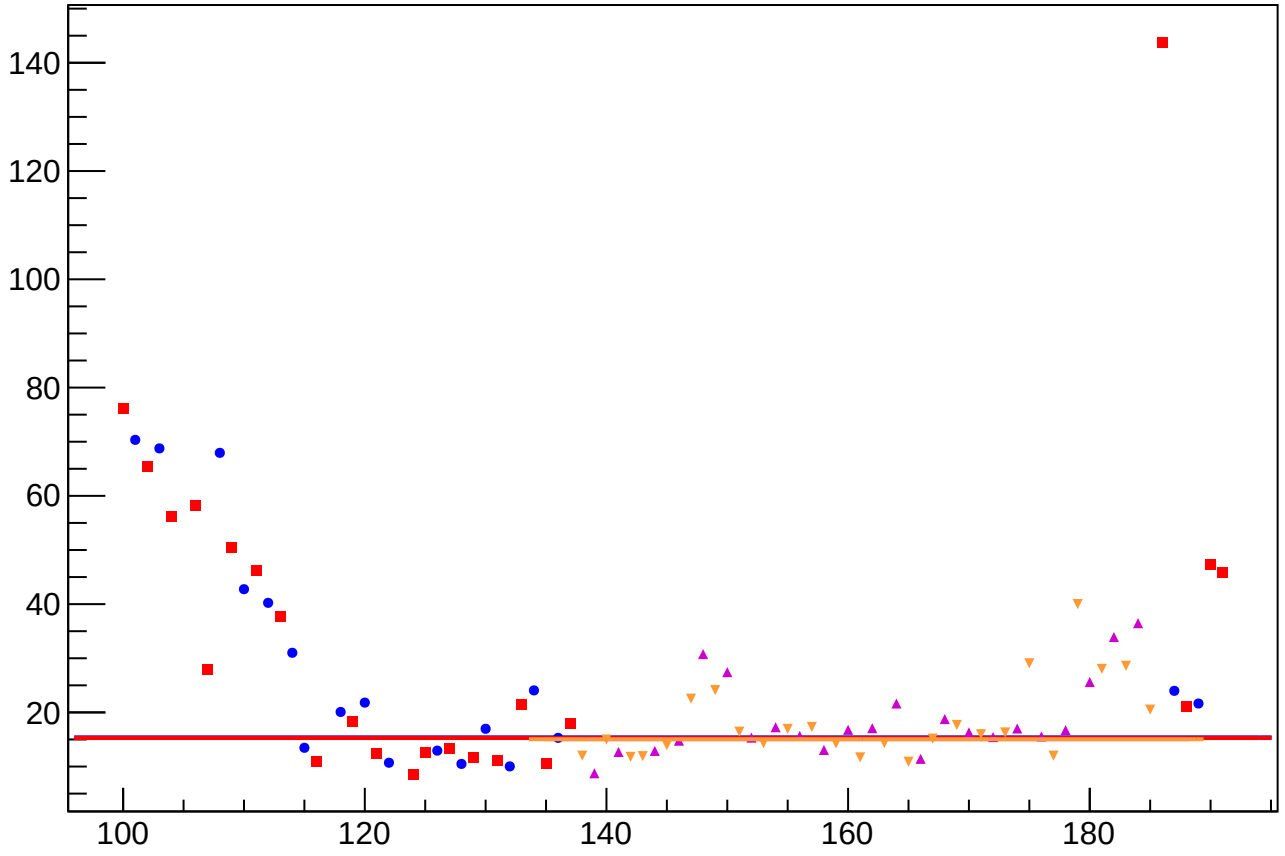
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.003+/-0.003 χ^2/NDF: 45.1/42

All: 0.001+/-0.002 χ^2/NDF: 102.3/88

- sign -0.001+/-0.003 χ^2/NDF: 56.5/45

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

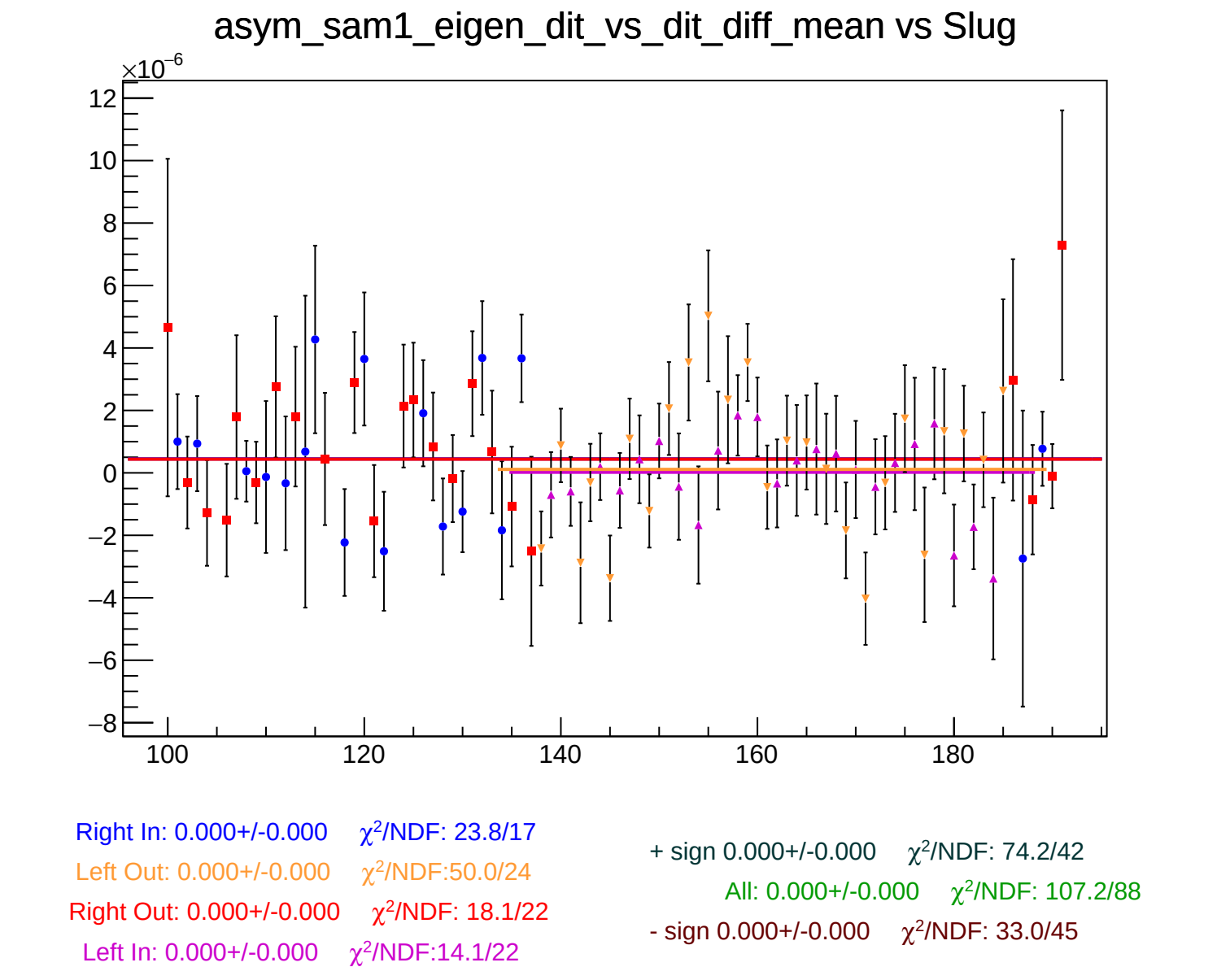
Right Out: 15.265+/-0.004 χ^2/NDF: 4941941.2/22

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

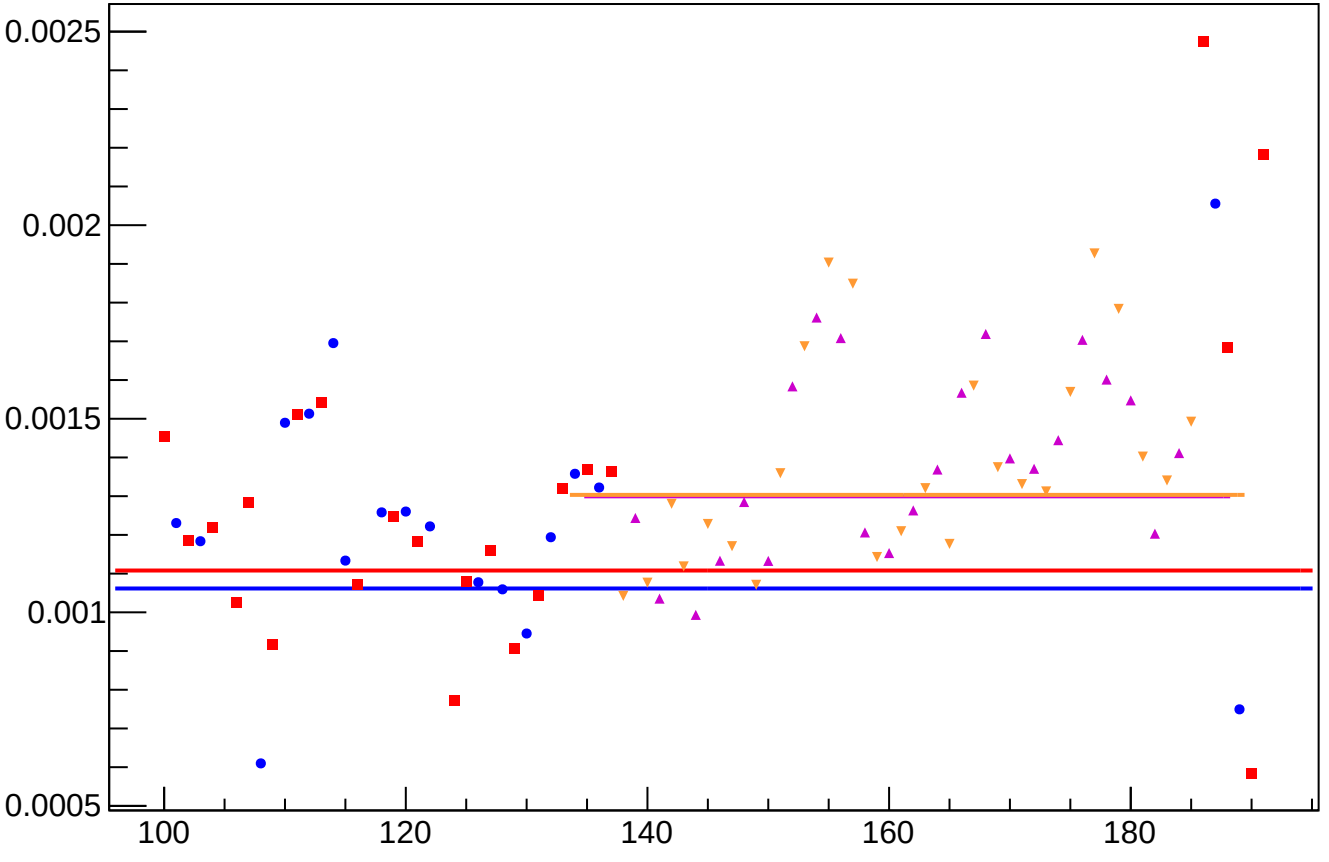
+ sign 15.129+/-0.002 χ^2/NDF: 6317368.2/42

All: 15.126+/-0.002 χ^2/NDF: 14327398.3/88

- sign 15.123+/-0.002 χ^2/NDF: 8010027.5/45


asym_sam1_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻⁶
12
10
8
6
4
2
0
−2
−4
−6
−8
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 23.8/17
Left Out: 0.000+/-0.000 χ²/NDF:50.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 18.1/22
Left In: 0.000+/-0.000 χ²/NDF:14.1/22
+ sign 0.000+/-0.000 χ²/NDF: 74.2/42
All: 0.000+/-0.000 χ²/NDF: 107.2/88
- sign 0.000+/-0.000 χ²/NDF: 33.0/45

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: 1524789.6/22

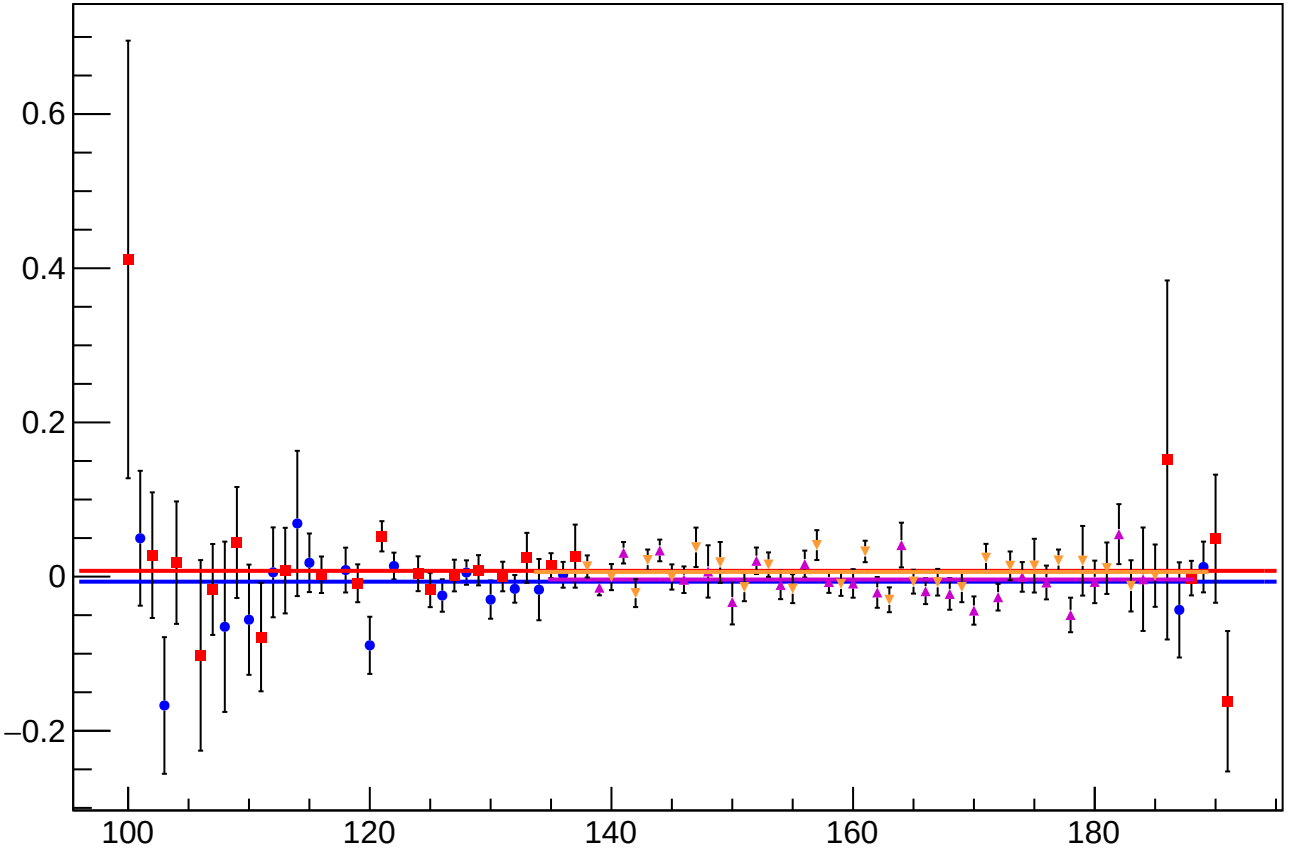
Left In: 0.001+/-0.000 χ^2/NDF:1026052.2/22

+ sign 0.001+/-0.000 χ^2/NDF: 2724859.4/42

All: 0.001+/-0.000 χ^2/NDF: 5584522.7/88

- sign 0.001+/-0.000 χ^2/NDF: 2858340.8/45

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: 0.007+/-0.006 χ^2/NDF: 16.9/22

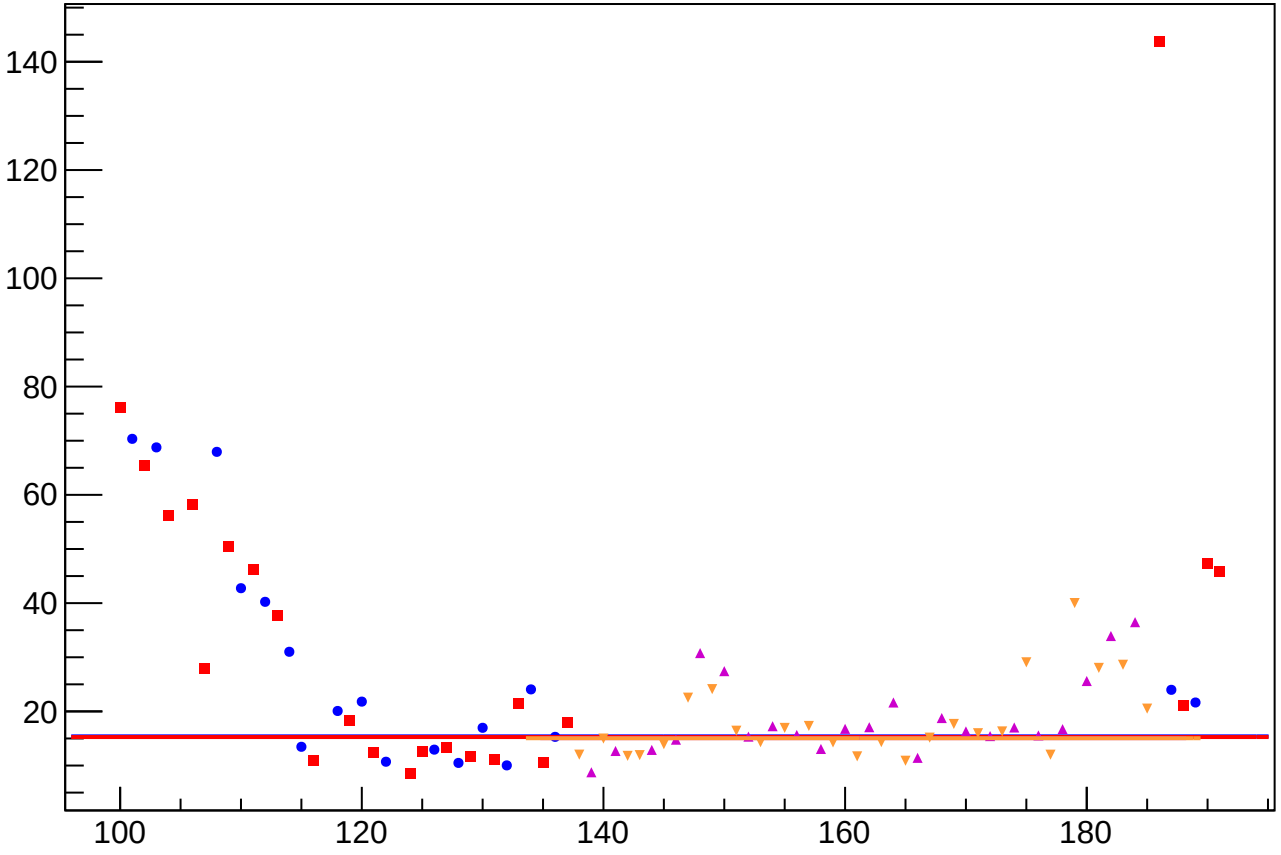
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.003+/-0.003 χ^2/NDF: 45.1/42

All: 0.001+/-0.002 χ^2/NDF: 102.3/88

- sign -0.001+/-0.003 χ^2/NDF: 56.5/45

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

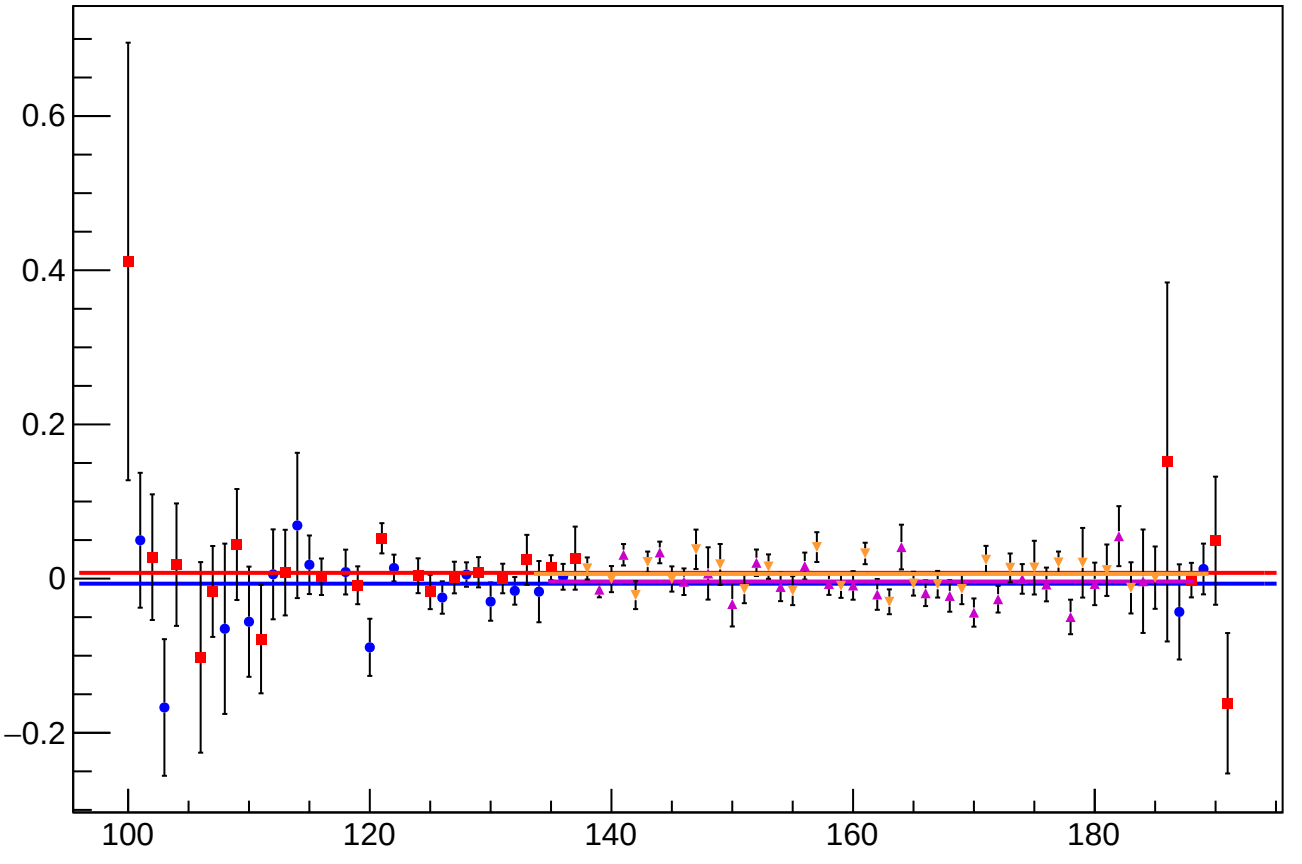
Right Out: 15.265+/-0.004 χ^2/NDF: 4941928.2/22

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

+ sign 15.128+/-0.002 χ^2/NDF: 6317606.7/42

All: 15.126+/-0.002 χ^2/NDF: 14327668.6/88

- sign 15.123+/-0.002 χ^2/NDF: 8010059.4/45



Right In: -0.007+/-0.007 χ^2/NDF: 15.6/17

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

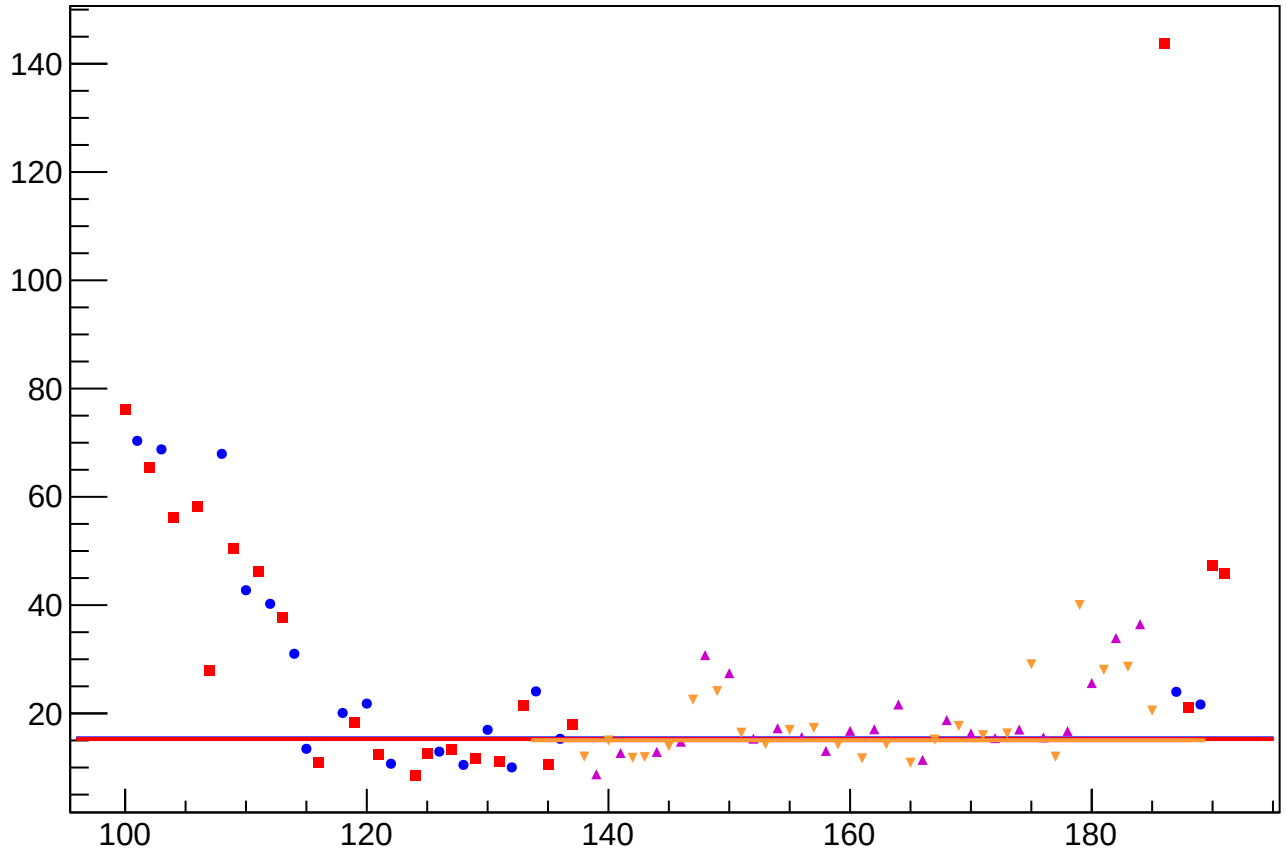
Right Out: 0.007+/-0.006 χ^2/NDF: 16.9/22

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: 102.3/88

- sign -0.001+/-0.003 χ^2/NDF: 56.5/45



Right In: 15.389+/-0.005 χ^2/NDF: 3555154.8/17

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

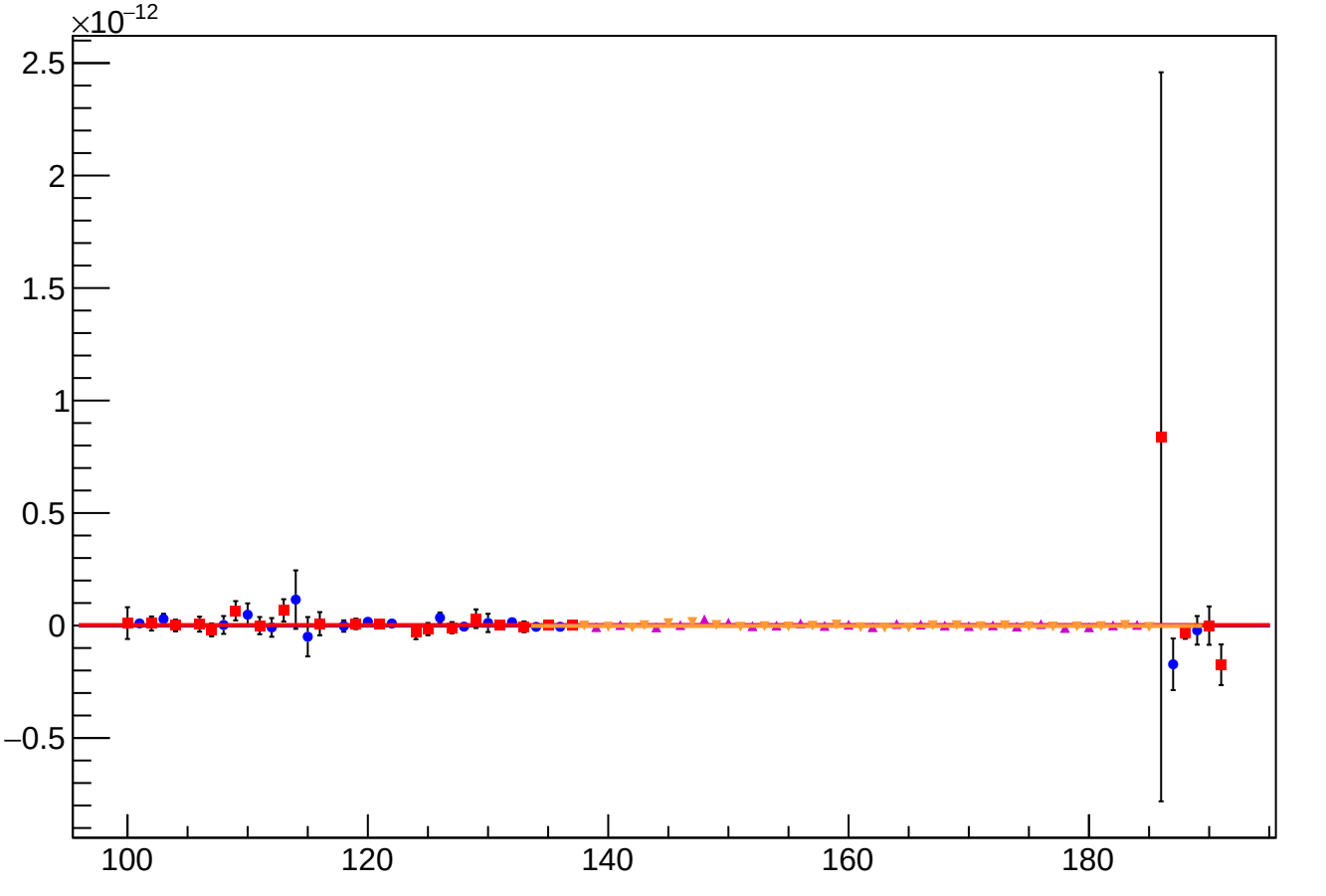
Right Out: 15.265+/-0.004 χ^2/NDF: 4941928.2/22

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

\+ sign 15.128+/-0.002 χ^2/NDF: 6317606.7/42

All: 15.126+/-0.002 χ^2/NDF: 14327668.6/88

\- sign 15.123+/-0.002 χ^2/NDF: 8010059.4/45



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: 13.1/22

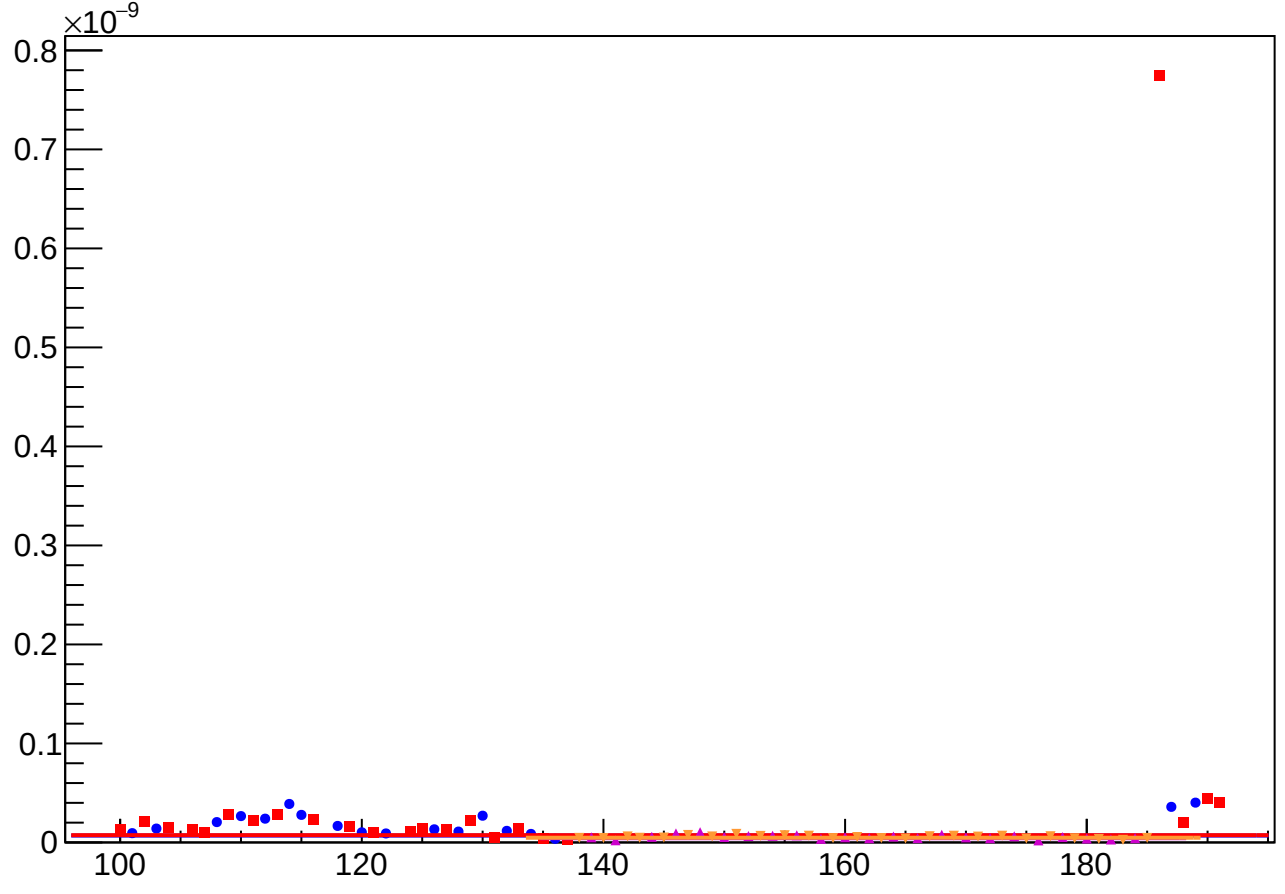
Left In: 0.000+/-0.000 χ^2/NDF:21.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 27.0/42

All: -0.000+/-0.000 χ^2/NDF: 63.4/88

- sign 0.000+/-0.000 χ^2/NDF: 34.5/45

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: 5860451.6/22

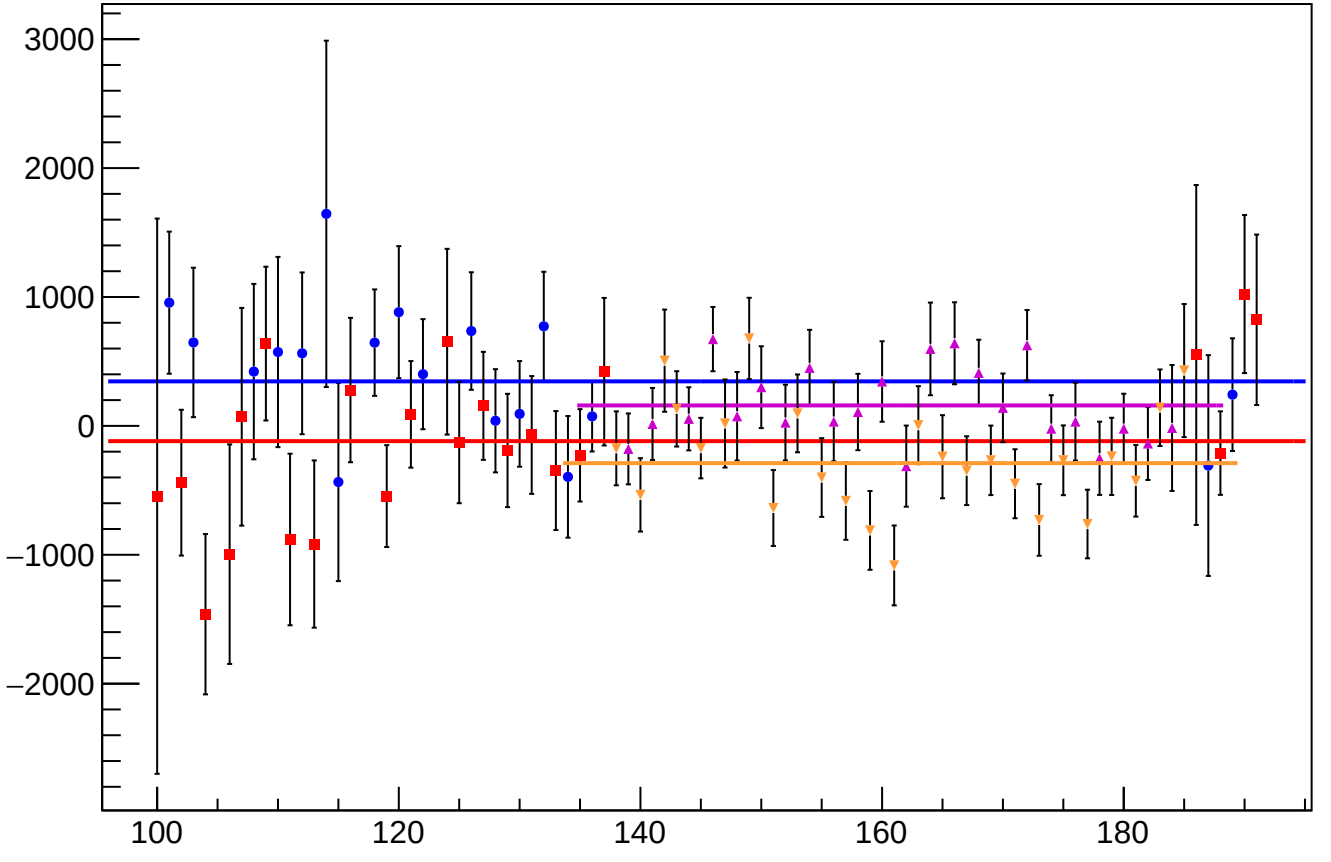
Left In: 0.000+/-0.000 χ^2/NDF:3526134.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6886020.7/42

All: 0.000+/-0.000 χ^2/NDF: 17496368.5/88

- sign 0.000+/-0.000 χ^2/NDF: 10498135.4/45

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: -118.402+/-108.924 χ^2/NDF: 21.2/22

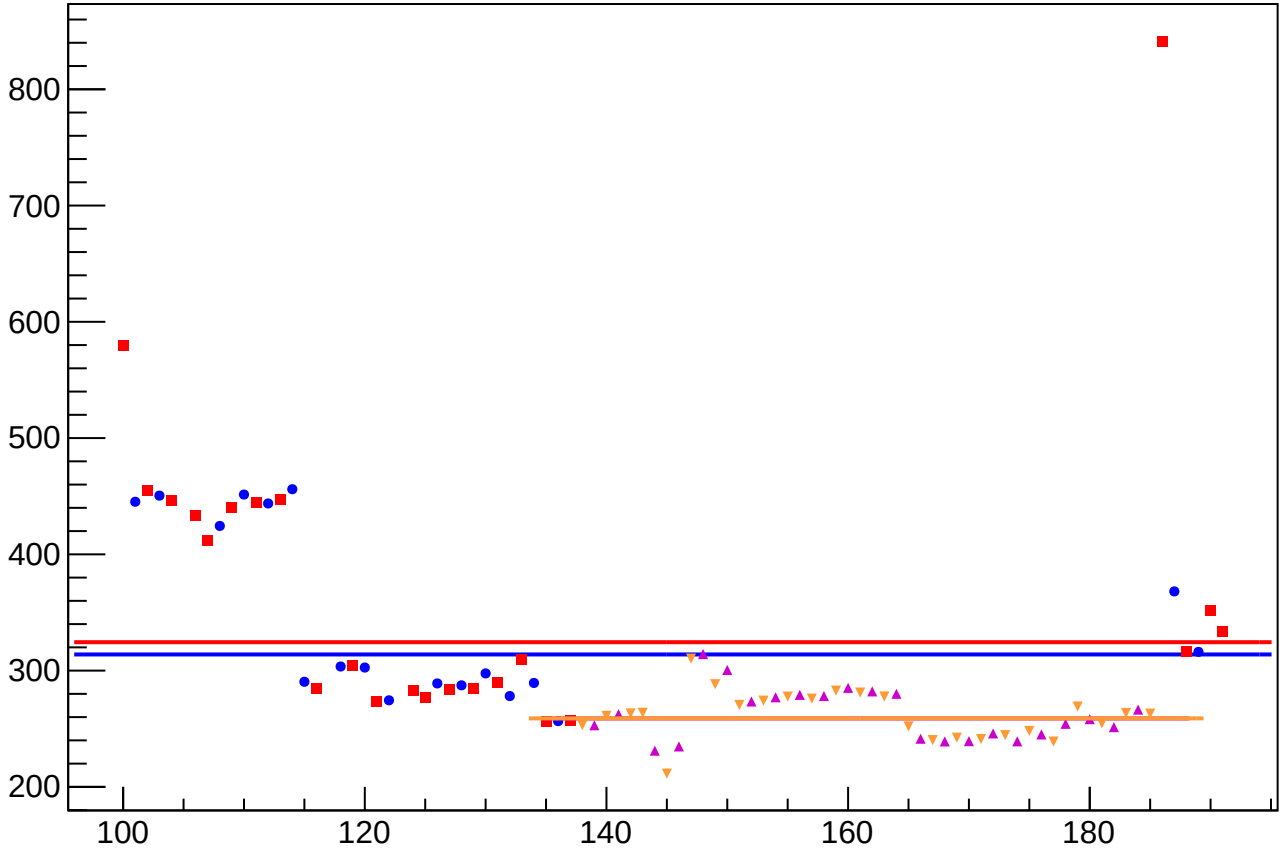
Left In: 158.601+/-60.708 χ^2/NDF:22.5/22

+ sign -154.220+/-52.392 χ^2/NDF: 79.1/42

All: -32.125+/-37.270 χ^2/NDF: 138.7/88

- sign 92.950+/-53.028 χ^2/NDF: 48.6/45

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: 324.443+/-0.077 χ^2/NDF: 1013220.8/22

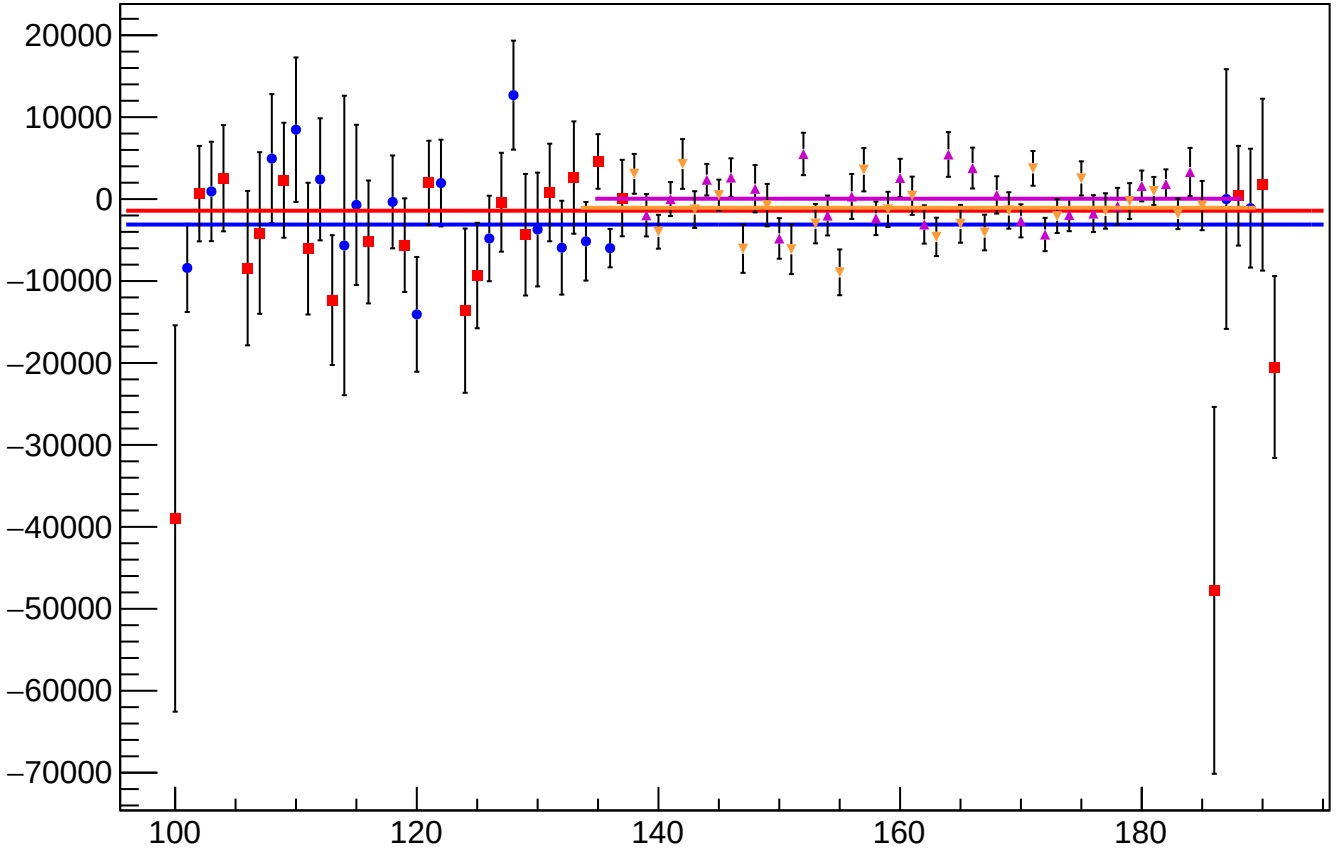
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 270.588+/-0.037 χ^2/NDF: 1227621.6/42

All: 272.466+/-0.026 χ^2/NDF: 3044482.8/88

- sign 274.390+/-0.037 χ^2/NDF: 1811658.1/45

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: -1418.033+/-1378.463 χ^2/NDF: 21.9/22

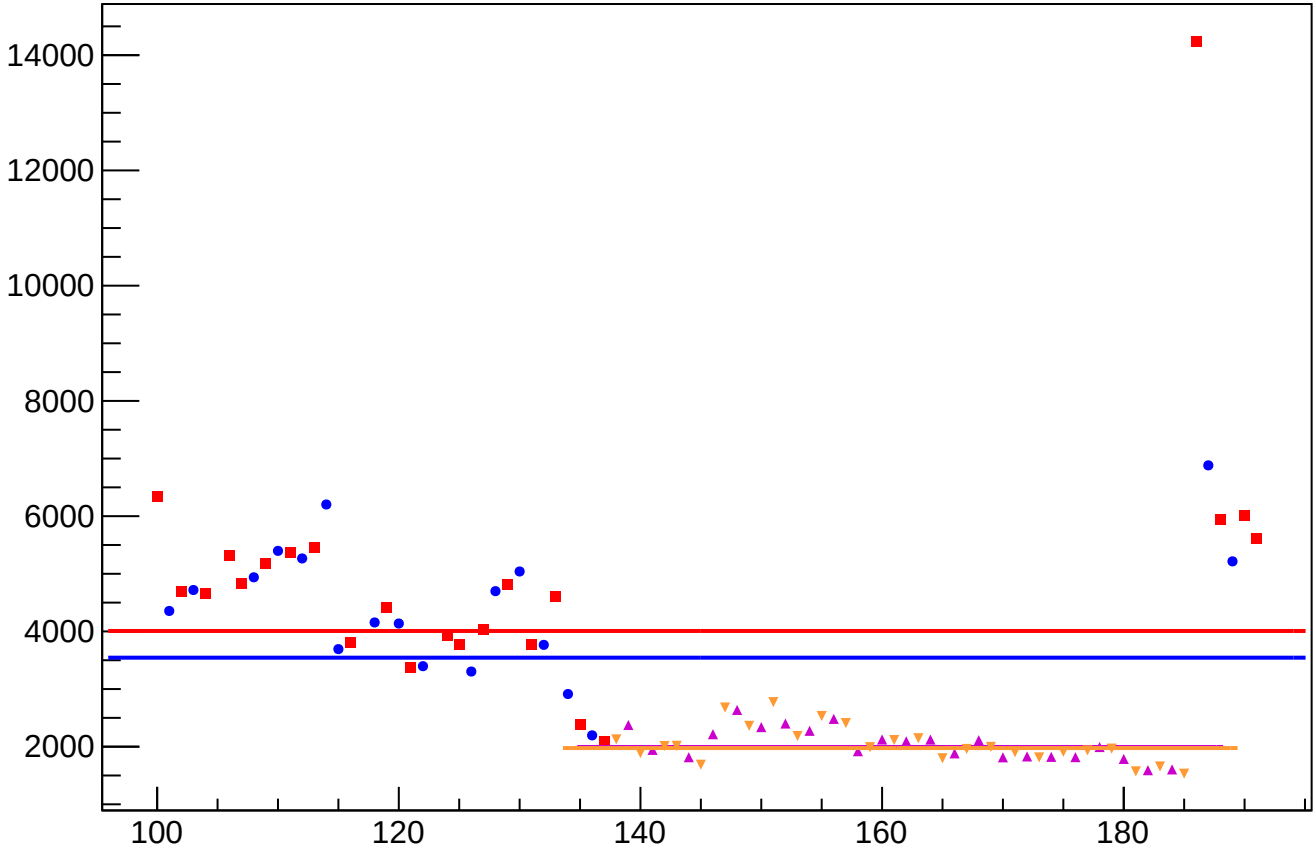
Left In: 44.352+/-470.700 χ^2/NDF:34.2/22

+ sign -1274.533+/-430.080 χ^2/NDF: 59.8/42

All: -711.906+/-309.403 χ^2/NDF: 120.4/88

- sign -108.357+/-445.447 χ^2/NDF: 57.0/45

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: 4008.013+/-0.975 χ^2/NDF: 1936443.9/22

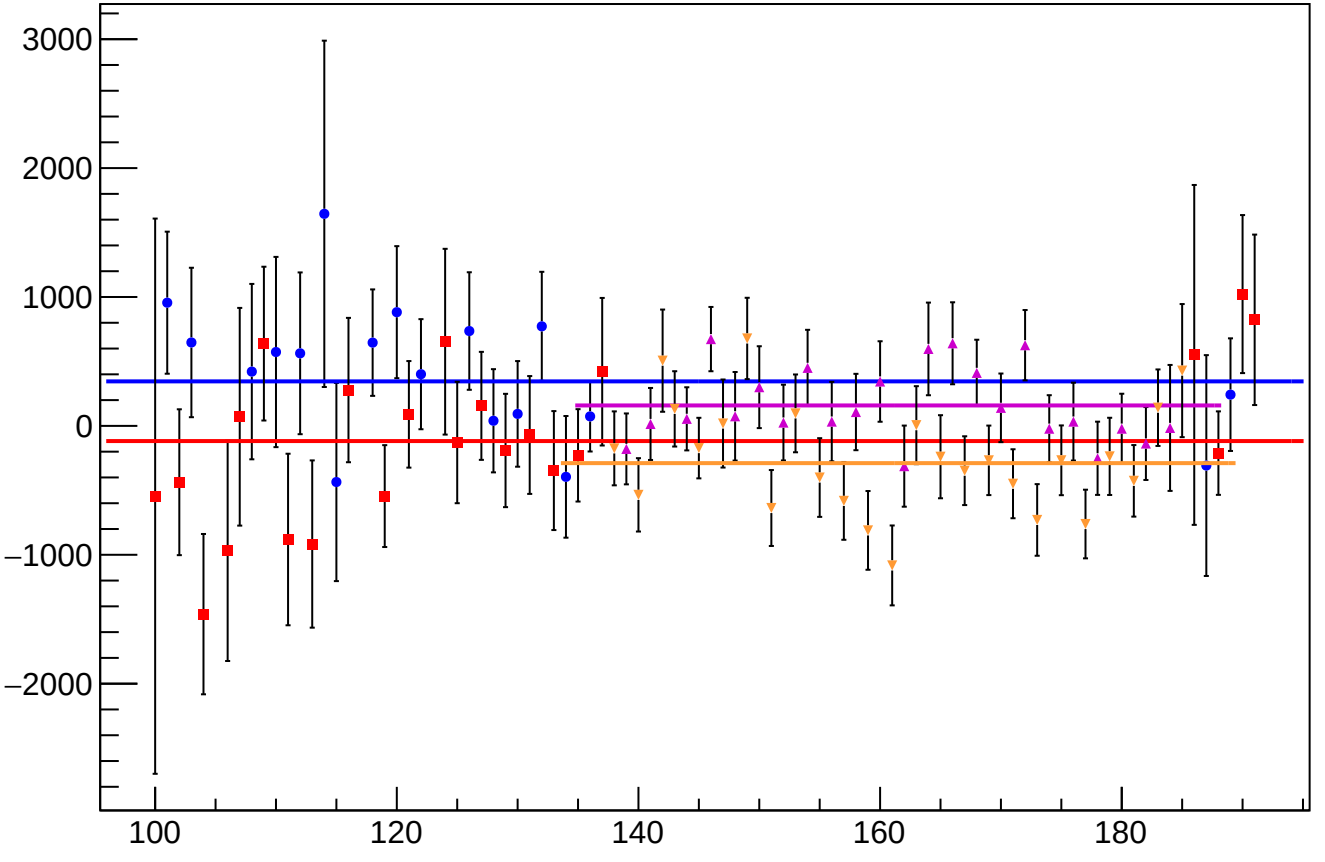
Left In: 1994.760+/-0.333 χ^2/NDF:599994.9/22

+ sign 2140.932+/-0.304 χ^2/NDF: 4778730.9/42

All: 2171.838+/-0.219 χ^2/NDF: 11157237.2/8

- sign 2204.992+/-0.315 χ^2/NDF: 6357098.7/45

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: -117.728+/-108.932 χ^2/NDF: 21.1/22

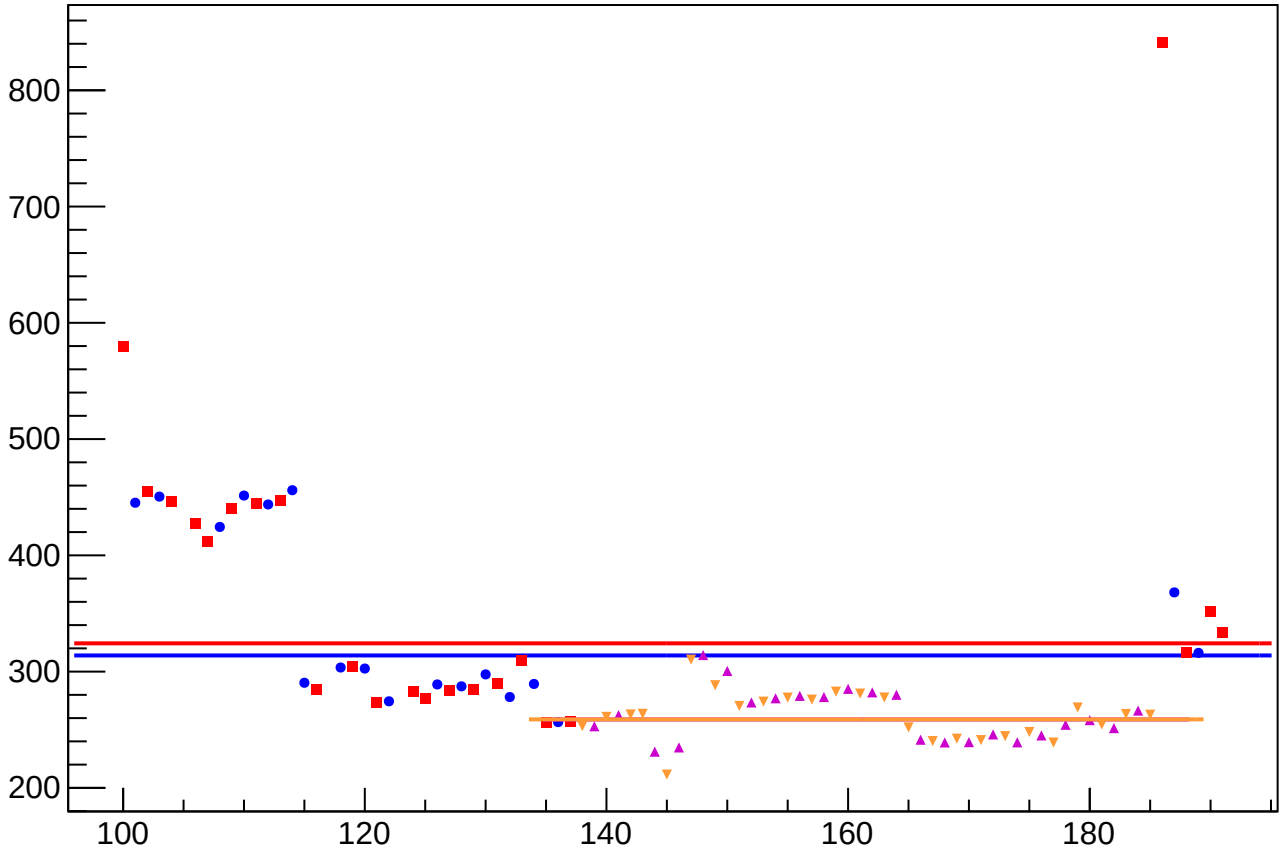
Left In: 158.612+/-60.708 χ^2/NDF:22.5/22

+ sign -154.227+/-52.392 χ^2/NDF: 79.1/42

All: -32.044+/-37.270 χ^2/NDF: 138.6/88

- sign 93.126+/-53.029 χ^2/NDF: 48.5/45

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: 324.322+/-0.077 χ^2/NDF: 1009245.5/22

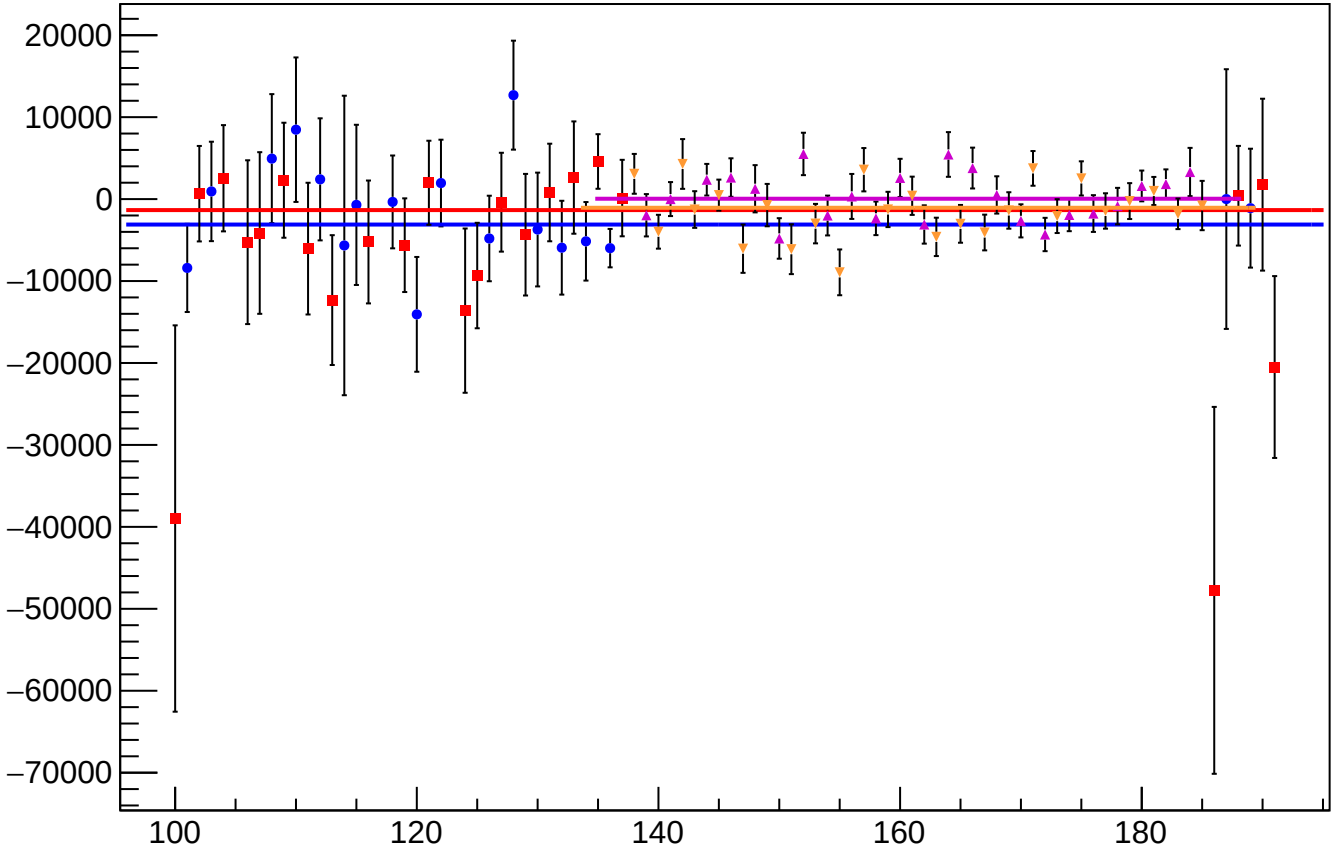
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 270.588+/-0.037 χ^2/NDF: 1227623.2/42

All: 272.451+/-0.026 χ^2/NDF: 3038322.5/88

- sign 274.360+/-0.037 χ^2/NDF: 1805579.5/45

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: -1341.385+/-1380.152 χ^2/NDF: 21.5/22

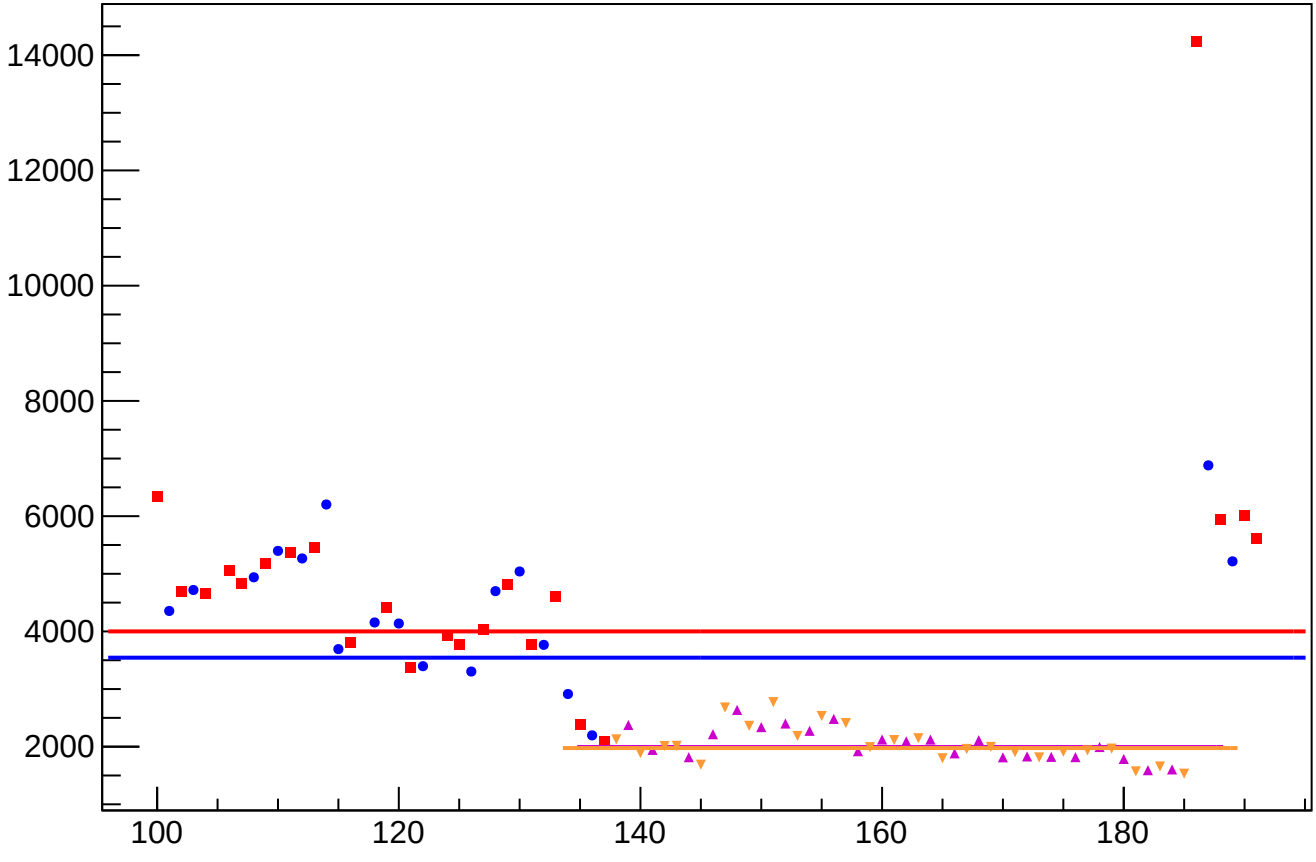
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1274.528+/-430.080 χ^2/NDF: 59.8/42

All: -707.966+/-309.422 χ^2/NDF: 120.0/88

- sign -100.039+/-445.504 χ^2/NDF: 56.5/45

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: 4000.309+/-0.976 χ^2/NDF: 1920675.6/22

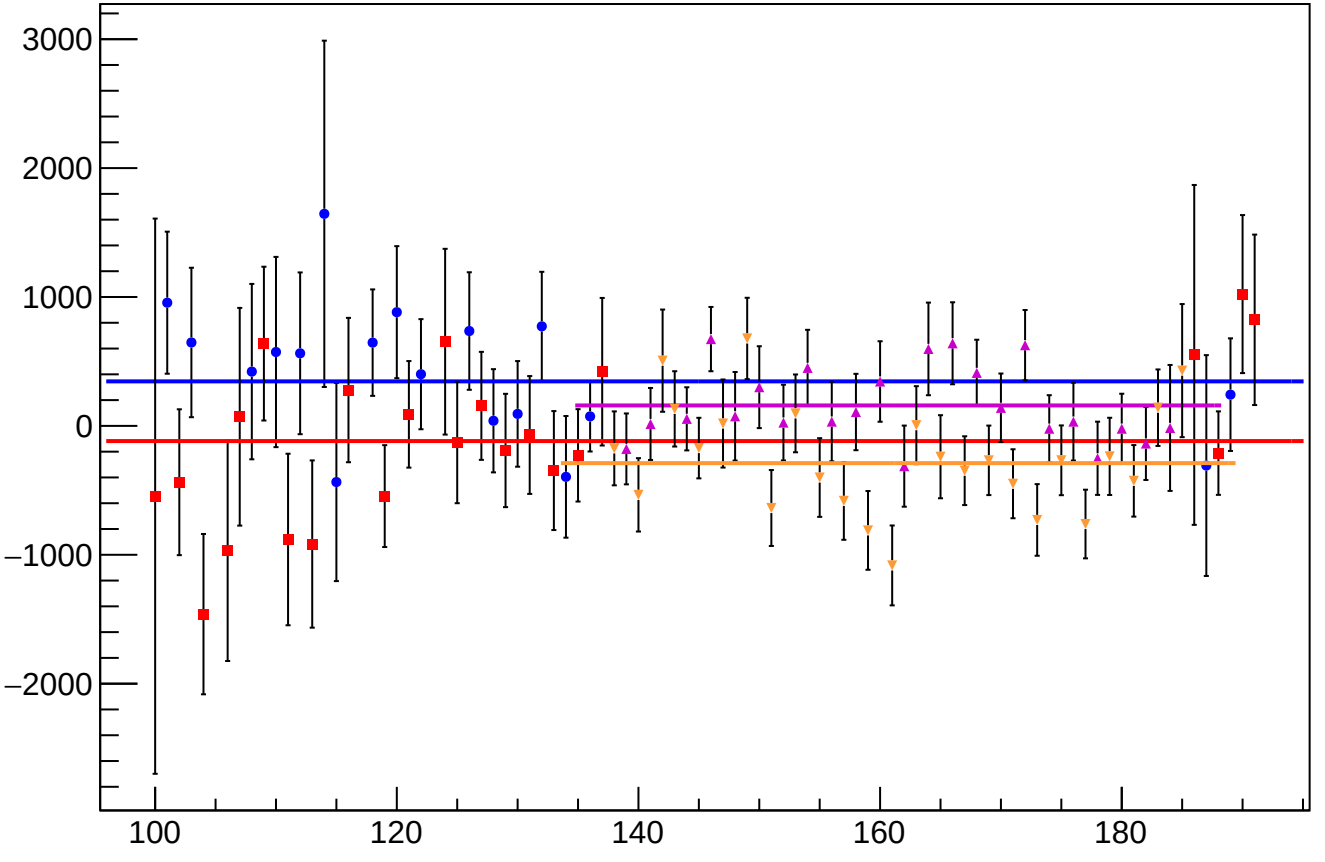
Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

+ sign 2140.932+/-0.304 χ^2/NDF: 4778751.8/42

All: 2171.225+/-0.219 χ^2/NDF: 11103160.3/8

- sign 2203.729+/-0.315 χ^2/NDF: 6303839.4/45

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: -117.728+/-108.932 χ^2/NDF: 21.1/22

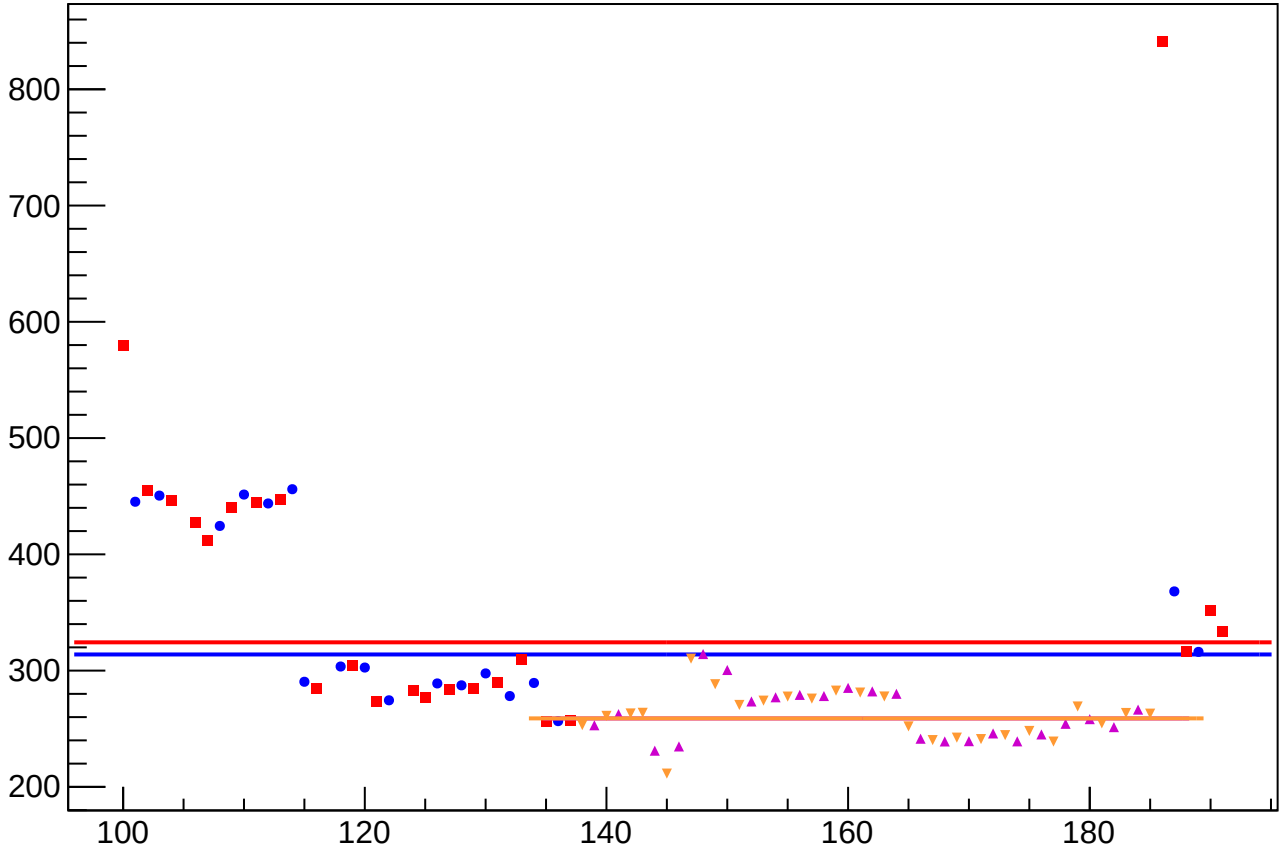
Left In: 158.612+/-60.708 χ^2/NDF:22.5/22

+ sign -154.227+/-52.392 χ^2/NDF: 79.1/42

All: -32.044+/-37.270 χ^2/NDF: 138.6/88

- sign 93.126+/-53.029 χ^2/NDF: 48.5/45

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: 324.322+/-0.077 χ^2/NDF: 1009245.5/22

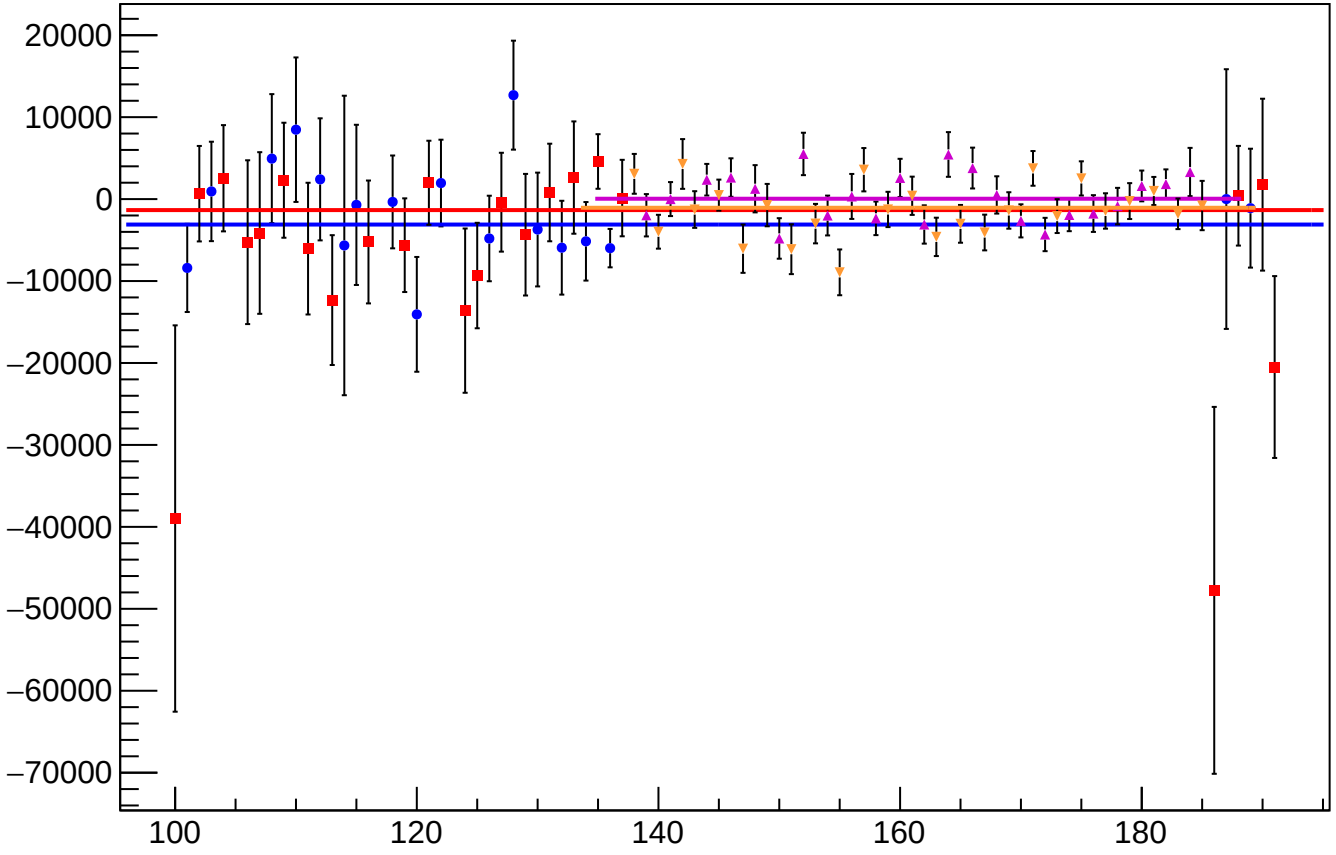
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 270.588+/-0.037 χ^2/NDF: 1227623.2/42

All: 272.451+/-0.026 χ^2/NDF: 3038322.5/88

- sign 274.360+/-0.037 χ^2/NDF: 1805579.5/45

asym_sam2_eigen_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: -1341.385+/-1380.152 χ^2/NDF: 21.5/22

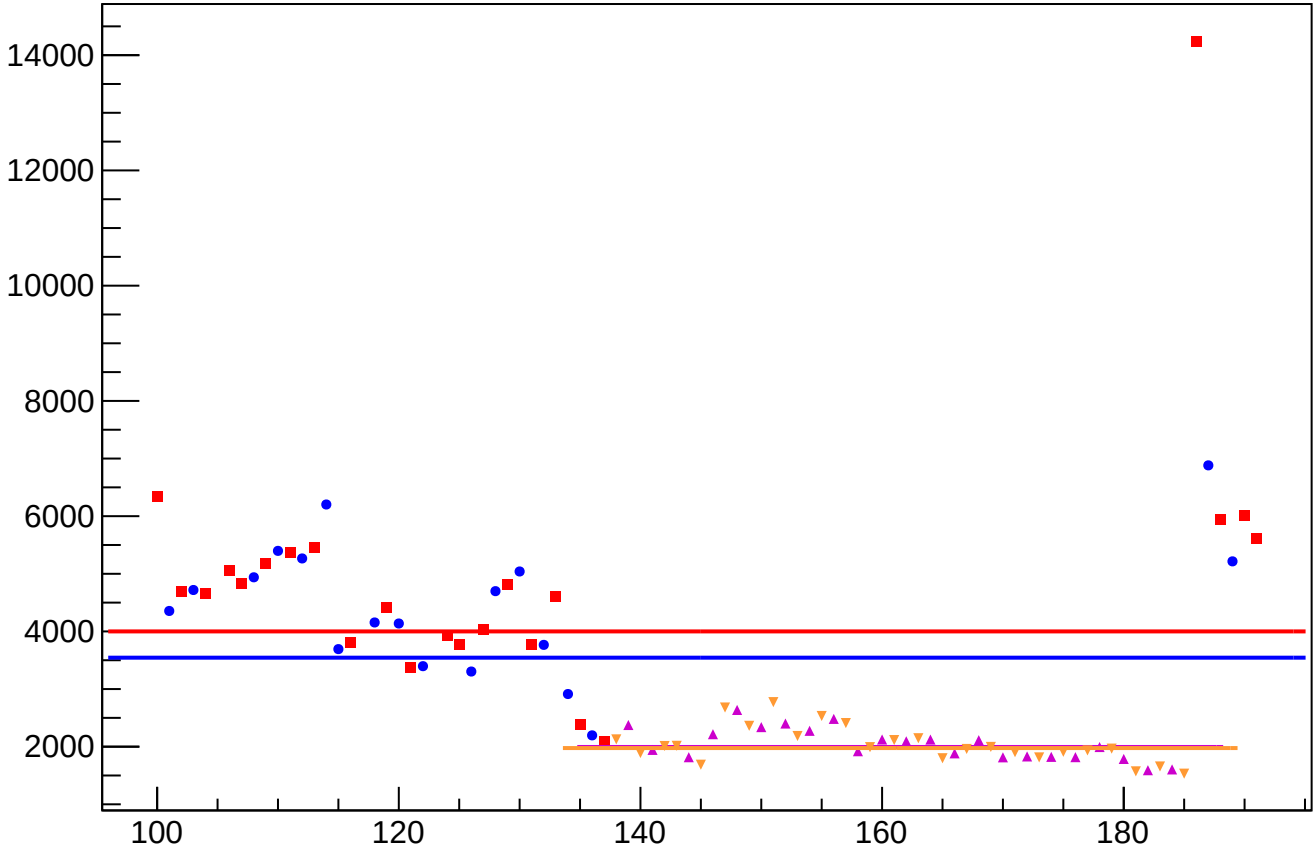
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1274.528+/-430.080 χ^2/NDF: 59.8/42

All: -707.966+/-309.422 χ^2/NDF: 120.0/88

- sign -100.039+/-445.504 χ^2/NDF: 56.5/45

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: 4000.309+/-0.976 χ^2/NDF: 1920675.6/22

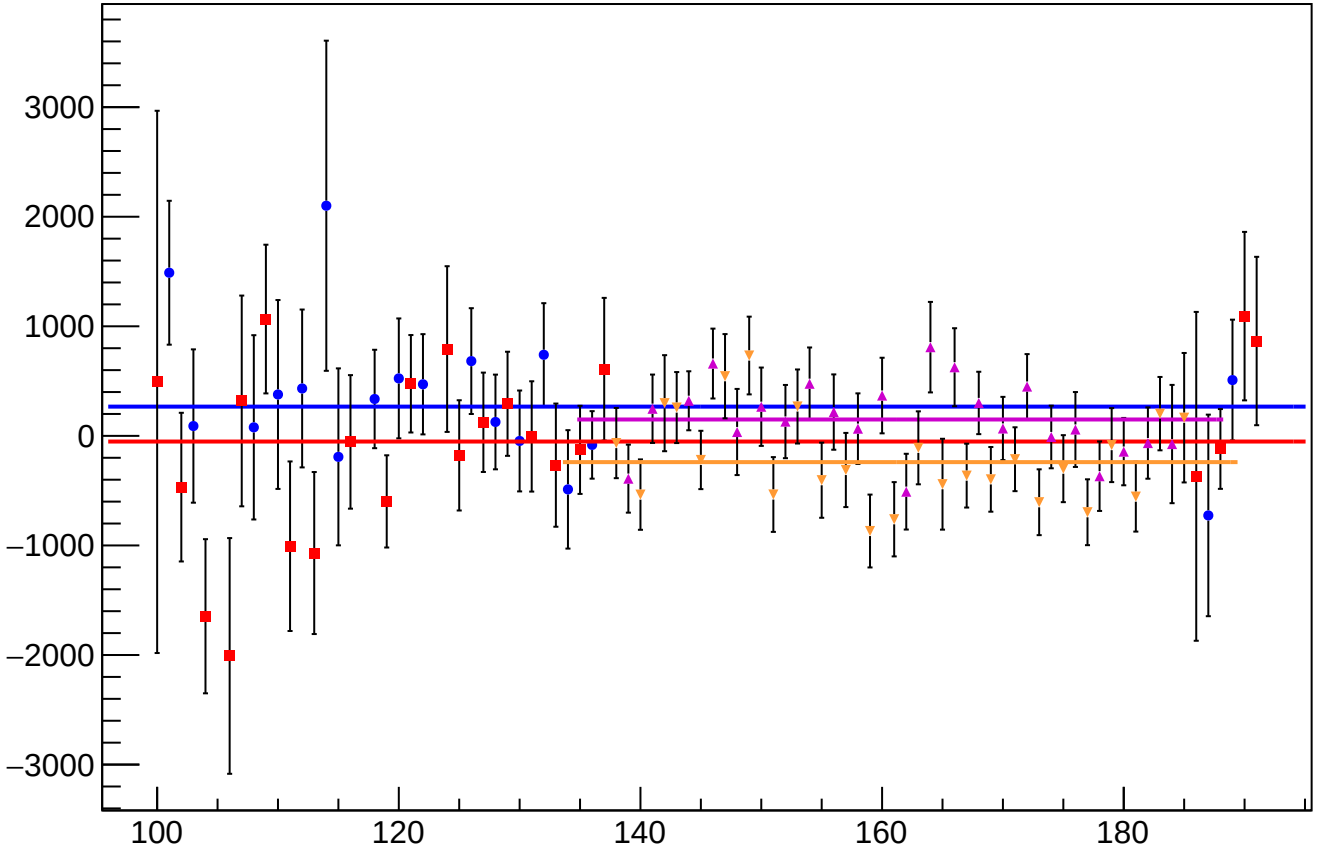
Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

+ sign 2140.932+/-0.304 χ^2/NDF: 4778751.8/42

All: 2171.225+/-0.219 χ^2/NDF: 11103160.3/8

- sign 2203.729+/-0.315 χ^2/NDF: 6303839.4/45

dit_asym_sam2_mean vs Slug



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: -51.707+/-121.813 χ^2/NDF: 25.2/22

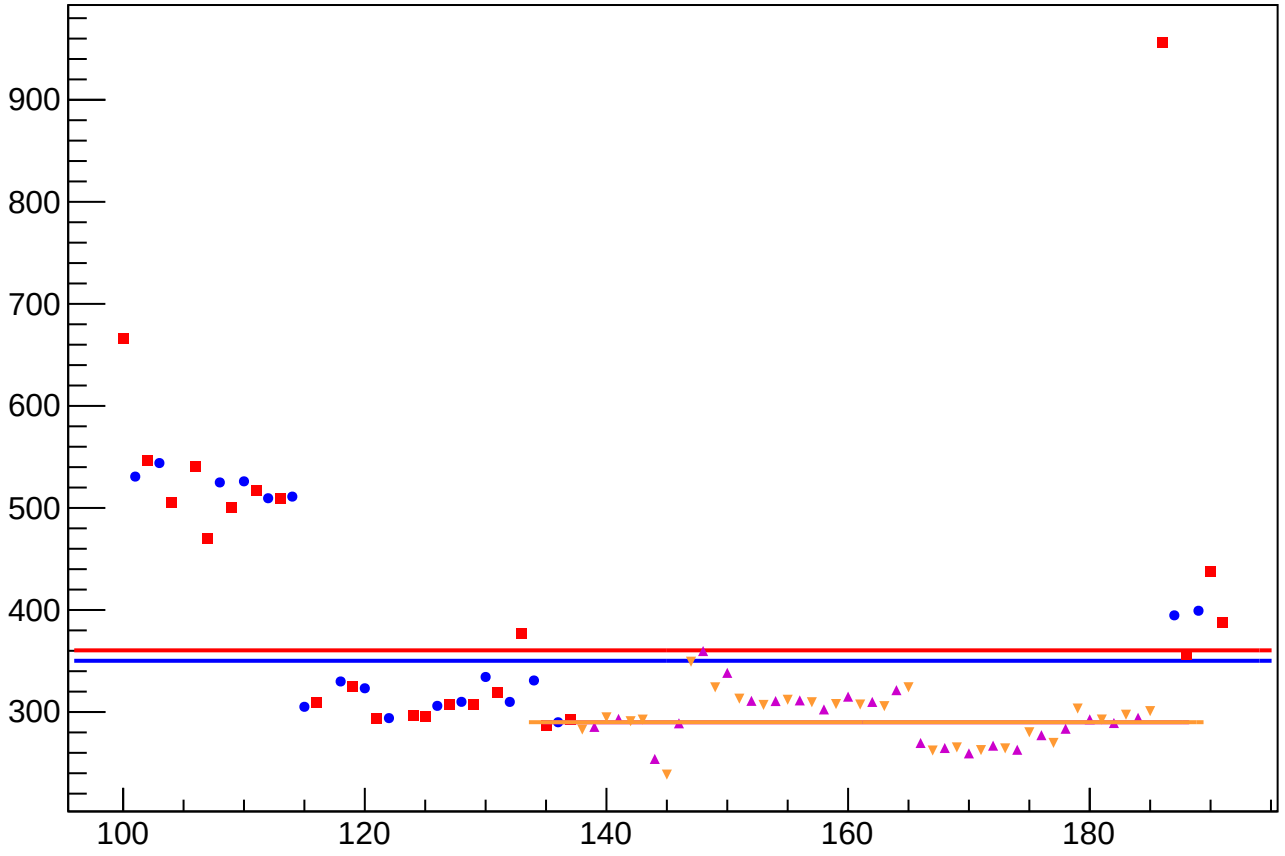
Left In: 149.516+/-68.160 χ^2/NDF:21.7/22

+ sign -132.232+/-58.741 χ^2/NDF: 59.3/42

All: -16.811+/-41.795 χ^2/NDF: 116.0/88

- sign 101.537+/-59.481 χ^2/NDF: 49.0/45

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: 360.441+/-0.086 χ^2/NDF: 1210130.8/22

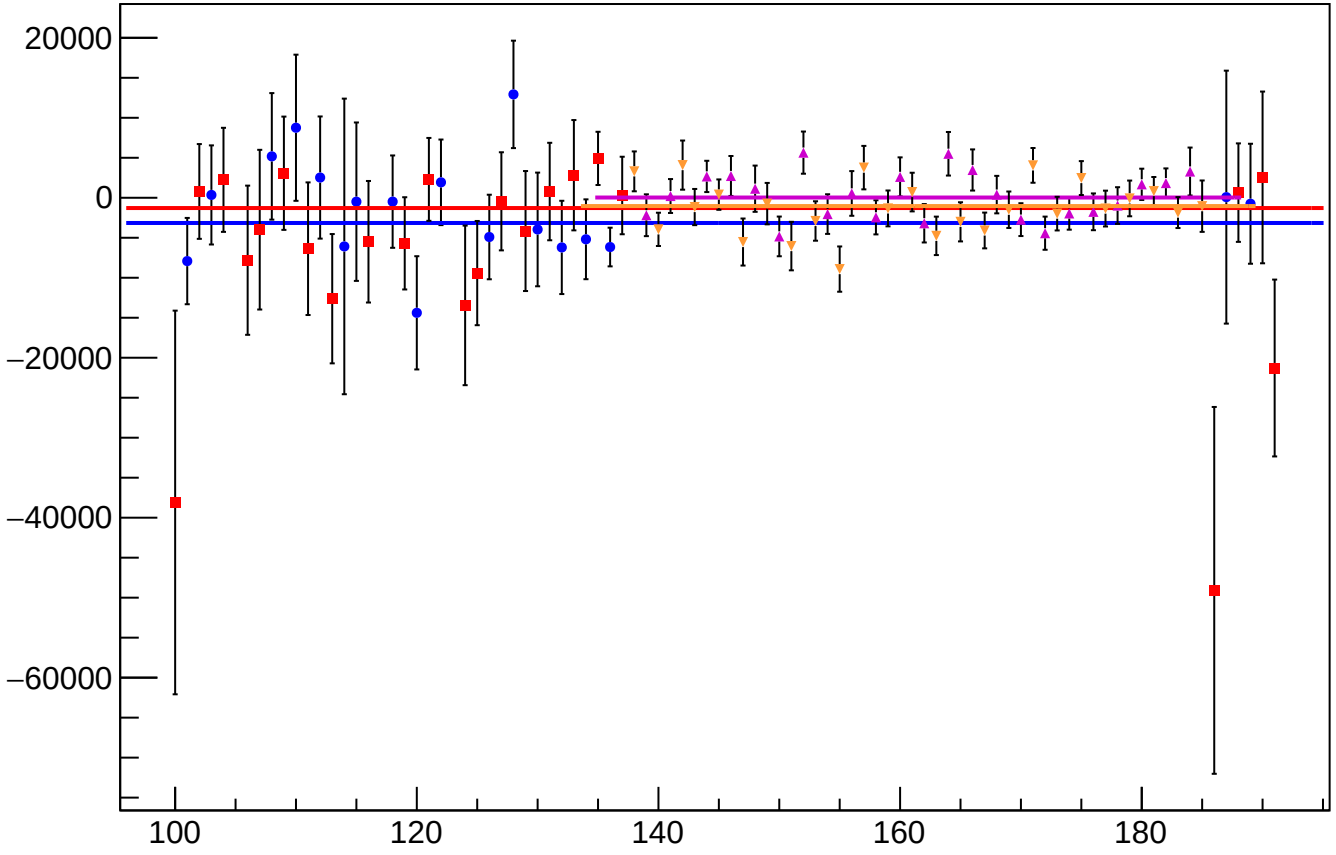
Left In: 289.941+/-0.048 χ^2/NDF:269669.5/22

+ sign 302.776+/-0.042 χ^2/NDF: 1422198.0/42

All: 304.738+/-0.030 χ^2/NDF: 3416707.3/88

- sign 306.751+/-0.042 χ^2/NDF: 1989986.5/45

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: -1284.913+/-1395.089 χ^2/NDF: 22.5/22

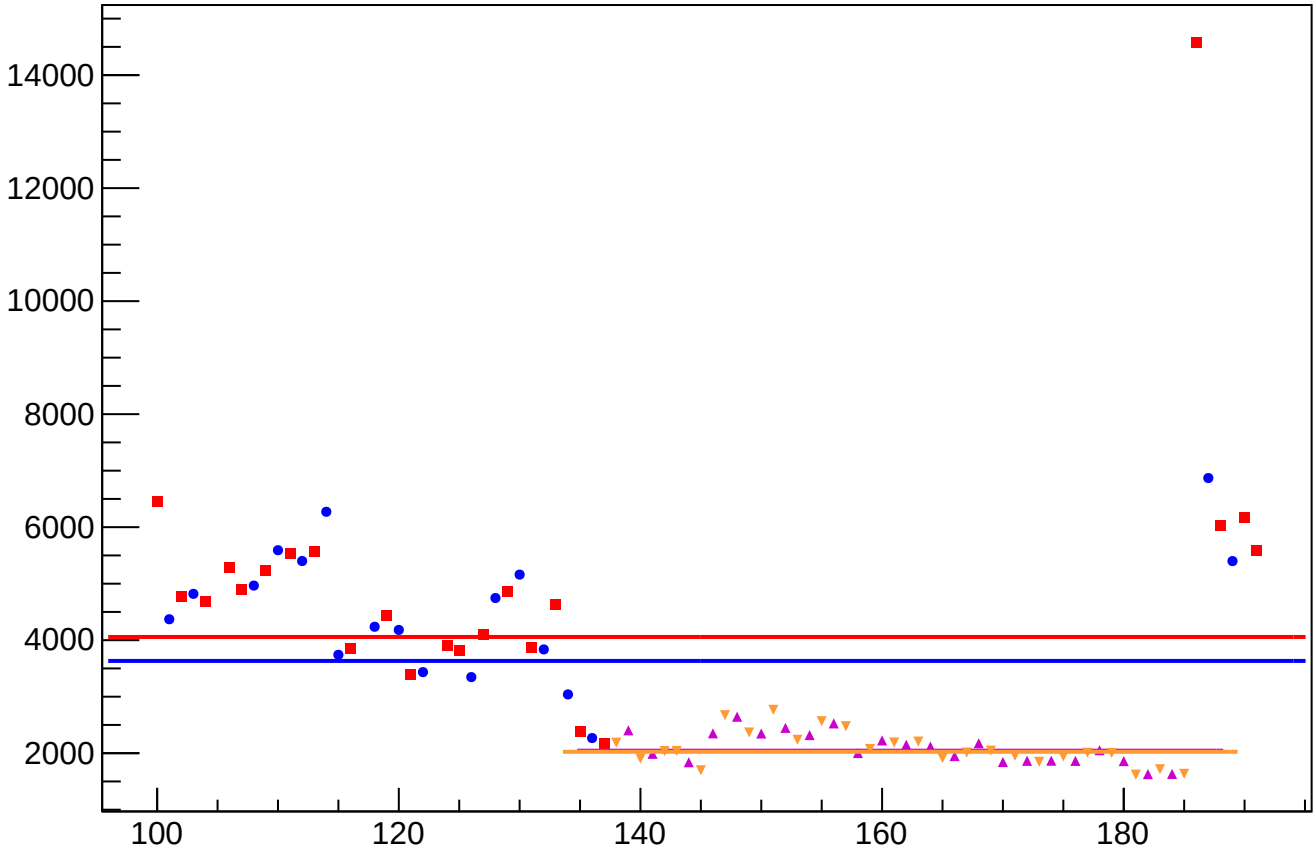
Left In: 30.393+/-482.280 χ^2/NDF:34.1/22

+ sign -1259.433+/-440.135 χ^2/NDF: 58.7/42

All: -704.830+/-316.620 χ^2/NDF: 119.4/88

- sign -110.016+/-455.812 χ^2/NDF: 57.5/45

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: 4057.156+/-0.986 χ^2/NDF: 1941358.4/22

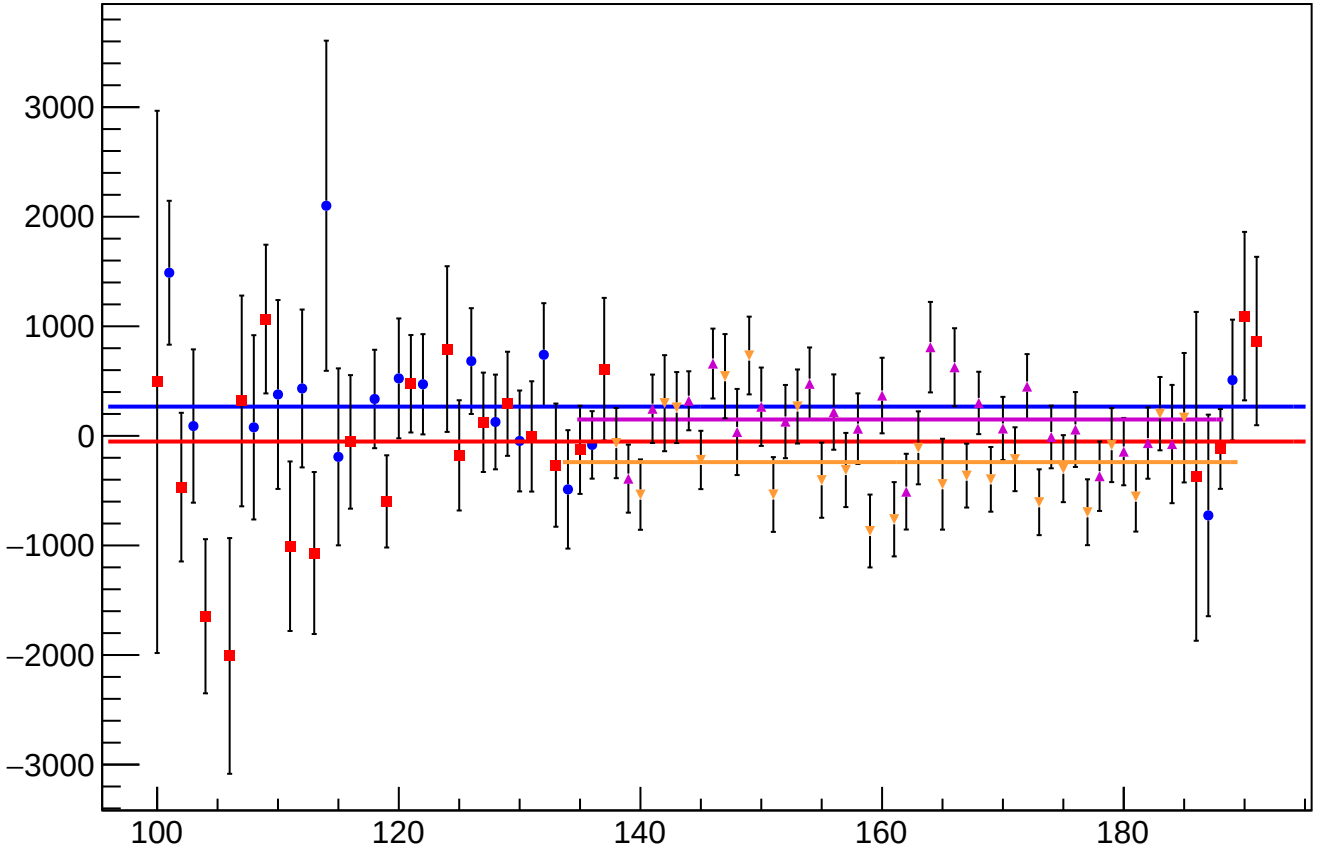
Left In: 2044.523+/-0.341 χ^2/NDF:584918.7/22

+ sign 2194.442+/-0.311 χ^2/NDF: 4676739.7/42

All: 2225.771+/-0.224 χ^2/NDF: 10942179.2/8

- sign 2259.371+/-0.322 χ^2/NDF: 6244438.3/45

eigen_dit_asym_sam2_mean vs Slug



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: -51.709+/-121.812 χ^2/NDF: 25.2/22

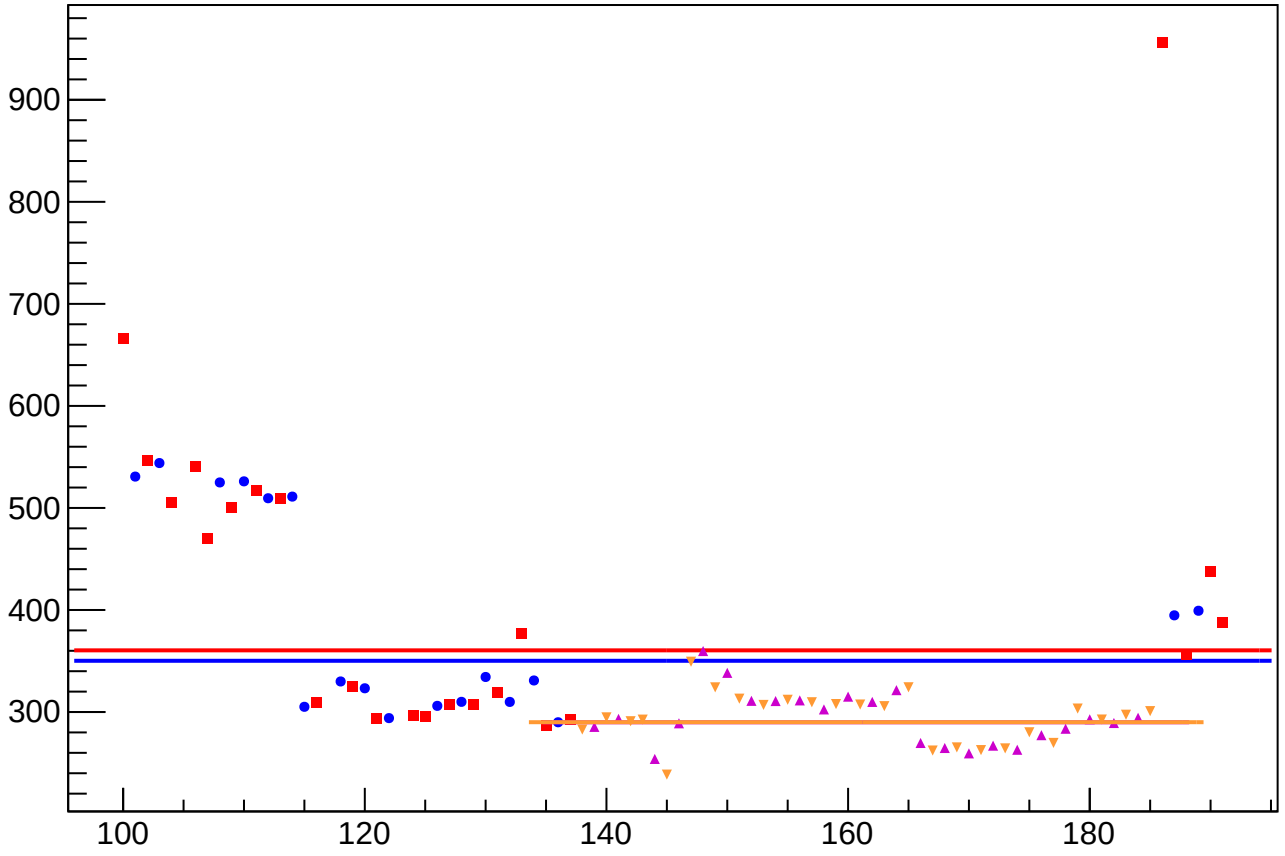
Left In: 149.517+/-68.160 χ^2/NDF:21.7/22

+ sign -132.233+/-58.741 χ^2/NDF: 59.3/42

All: -16.811+/-41.795 χ^2/NDF: 116.0/88

- sign 101.537+/-59.481 χ^2/NDF: 49.0/45

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

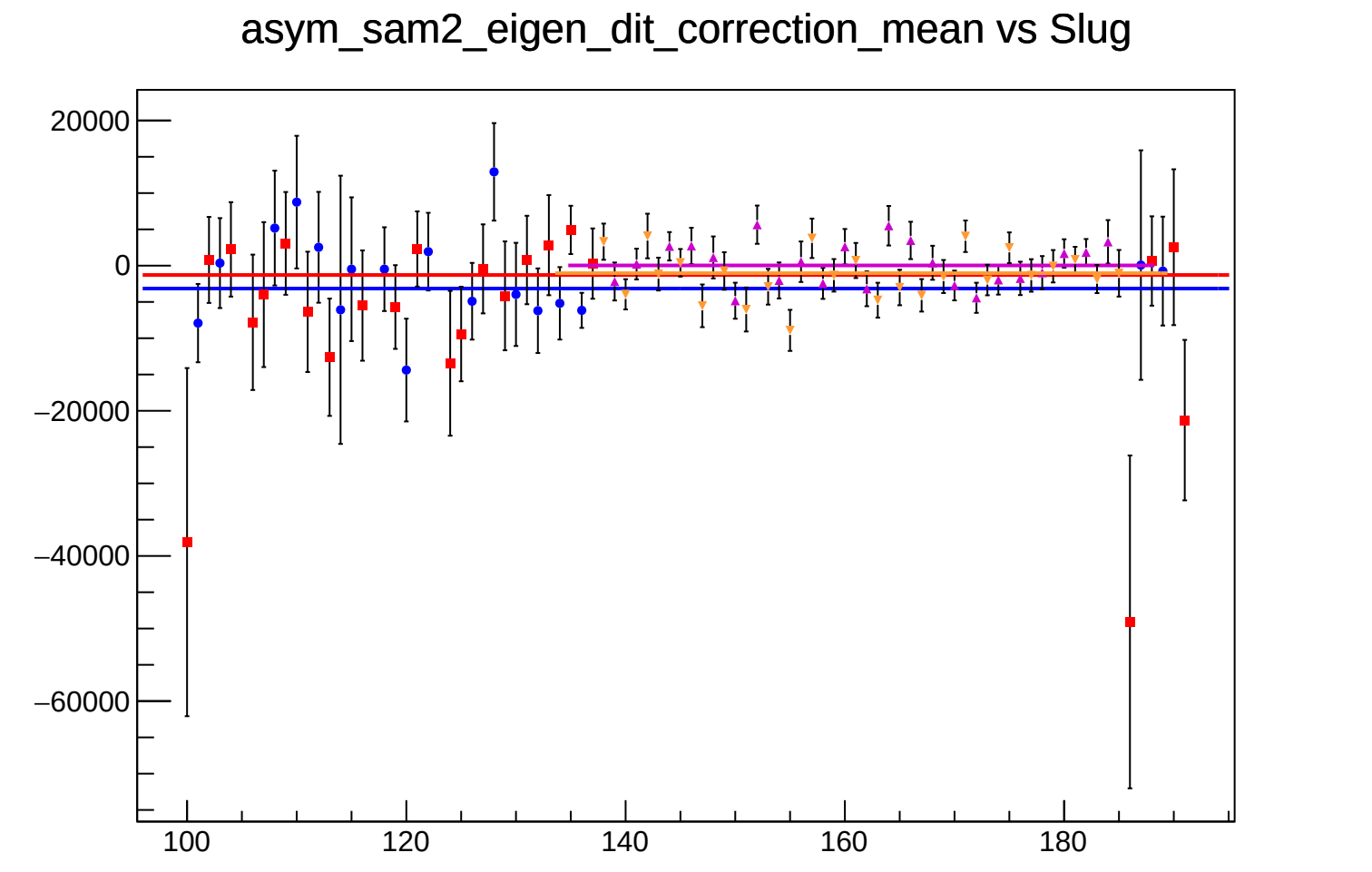
Right Out: 360.440+/-0.086 χ^2/NDF: 1210119.1/22

Left In: 289.941+/-0.048 χ^2/NDF:269671.9/22

+ sign 302.775+/-0.042 χ^2/NDF: 1422178.1/42

All: 304.738+/-0.030 χ^2/NDF: 3416666.6/88

- sign 306.751+/-0.042 χ^2/NDF: 1989965.6/45



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: -1284.916+/-1395.087 χ^2/NDF: 22.5/22

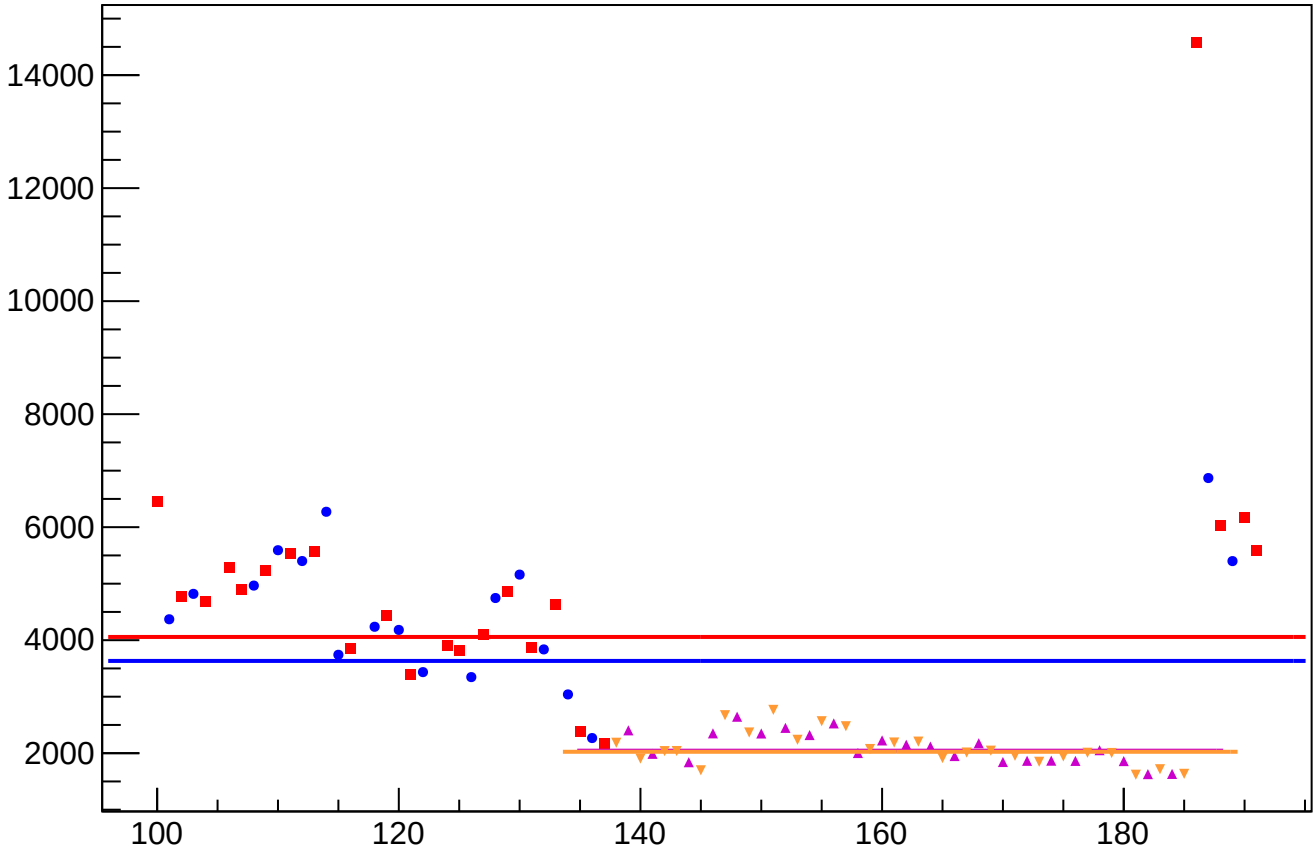
Left In: 30.392+/-482.280 χ^2/NDF:34.1/22

+ sign -1259.432+/-440.135 χ^2/NDF: 58.7/42

All: -704.831+/-316.620 χ^2/NDF: 119.4/88

- sign -110.018+/-455.812 χ^2/NDF: 57.5/45

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: 4057.151+/-0.986 χ^2/NDF: 1941350.0/22

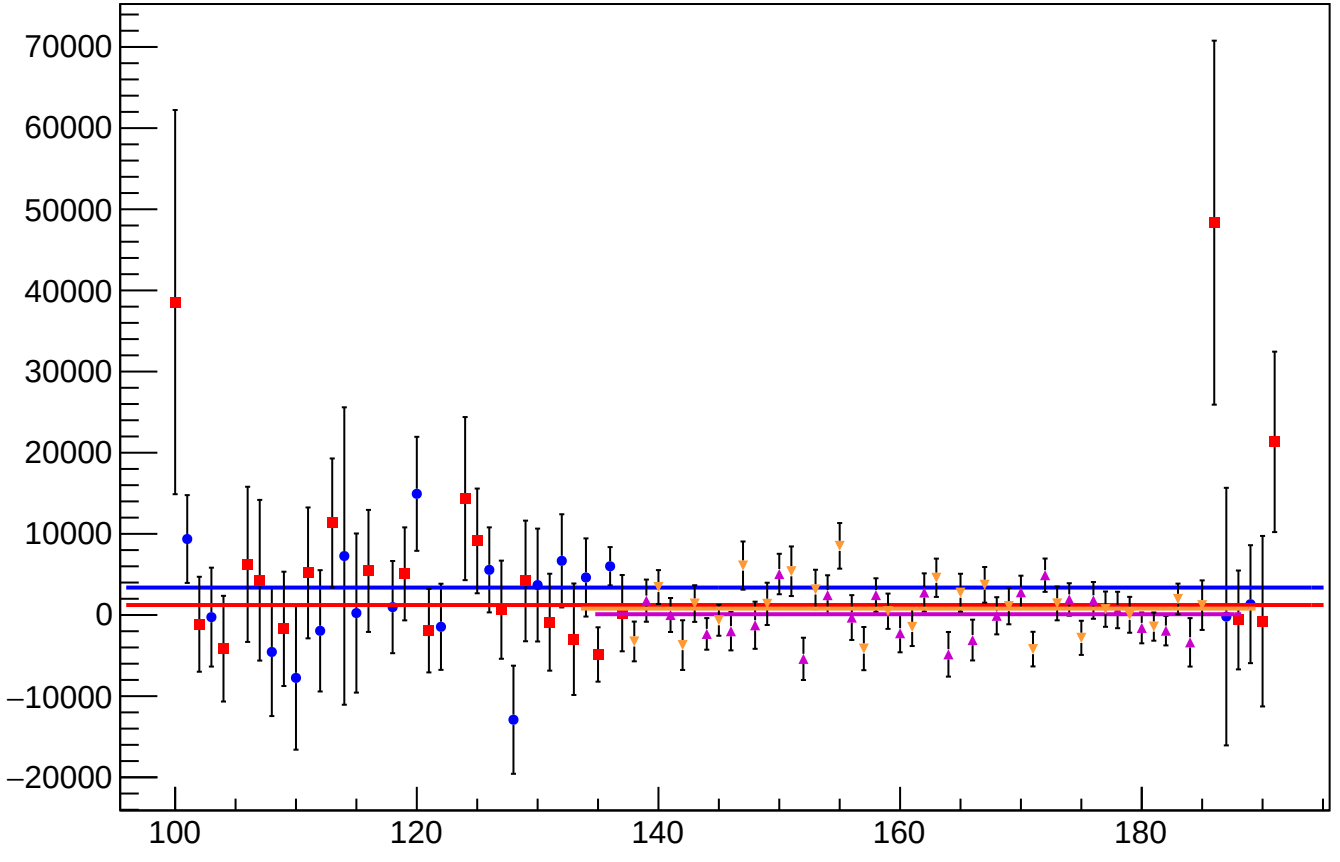
Left In: 2044.522+/-0.341 χ^2/NDF:584922.7/22

+ sign 2194.442+/-0.311 χ^2/NDF: 4676724.6/42

All: 2225.771+/-0.224 χ^2/NDF: 10942152.1/8

- sign 2259.371+/-0.322 χ^2/NDF: 6244426.7/45

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: 1229.262+/-1384.165 χ^2/NDF: 21.9/22

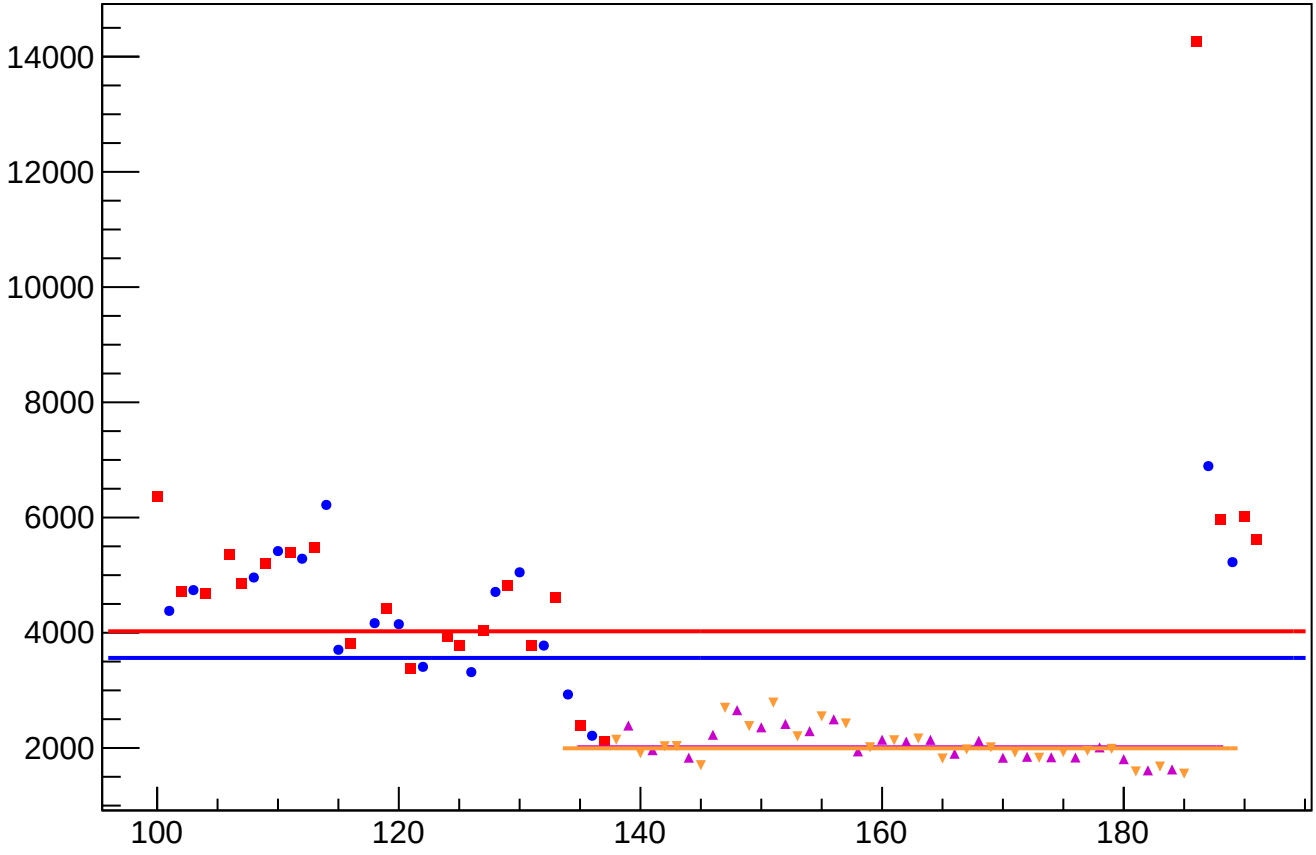
Left In: 96.730+/-474.825 χ^2/NDF:32.8/22

+ sign 1063.003+/-433.740 χ^2/NDF: 61.2/42

All: 654.251+/-312.001 χ^2/NDF: 118.4/88

- sign 215.971+/-449.134 χ^2/NDF: 55.4/45

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

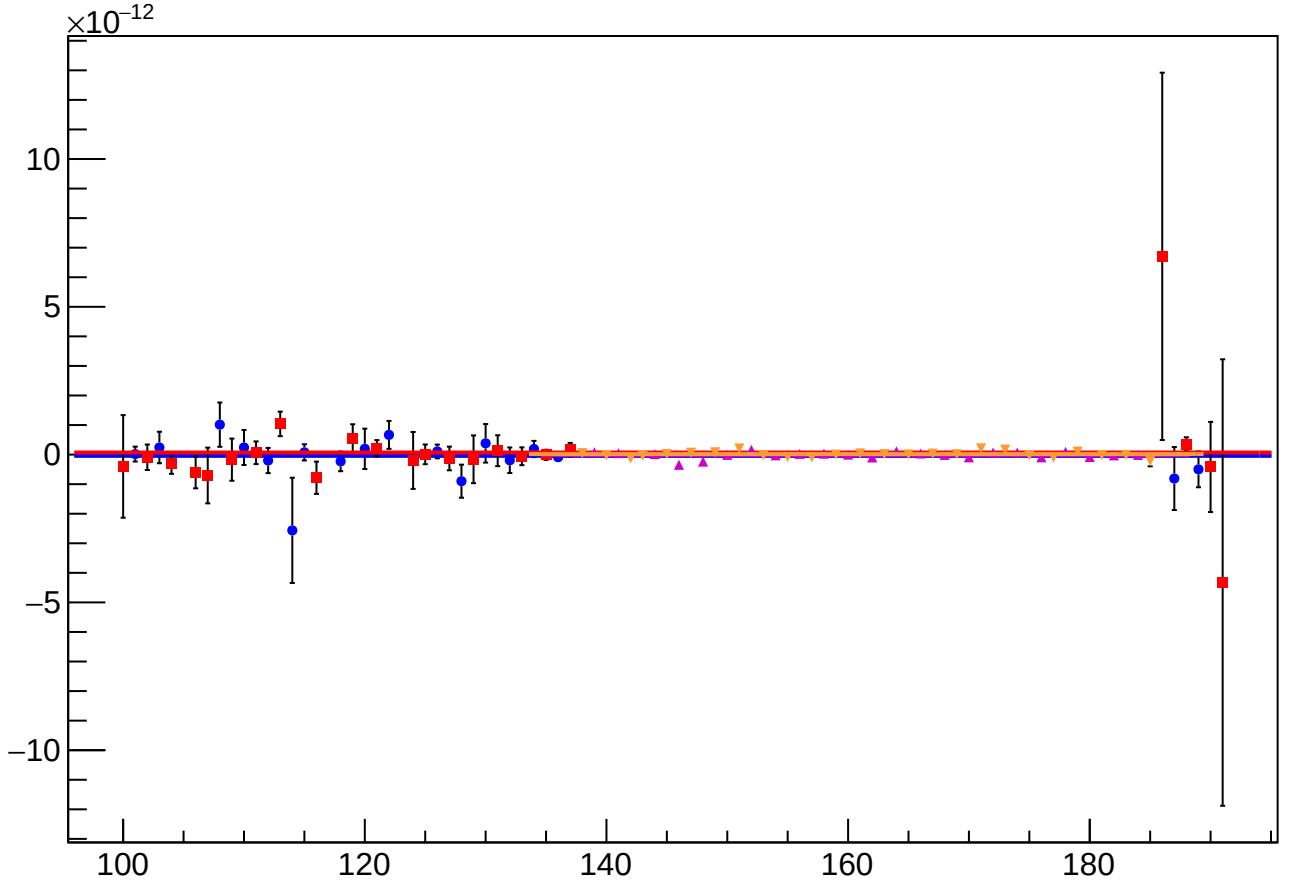
Right Out: 4025.447+/-0.979 χ^2/NDF: 1923588.8/22

Left In: 2012.692+/-0.336 χ^2/NDF:587260.9/22

+ sign 2160.512+/-0.307 χ^2/NDF: 4722646.1/42

All: 2191.443+/-0.221 χ^2/NDF: 11038302.0/8

- sign 2224.609+/-0.318 χ^2/NDF: 6294578.8/45



Right In: -0.000+/-0.000 χ^2/NDF: 13.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/24

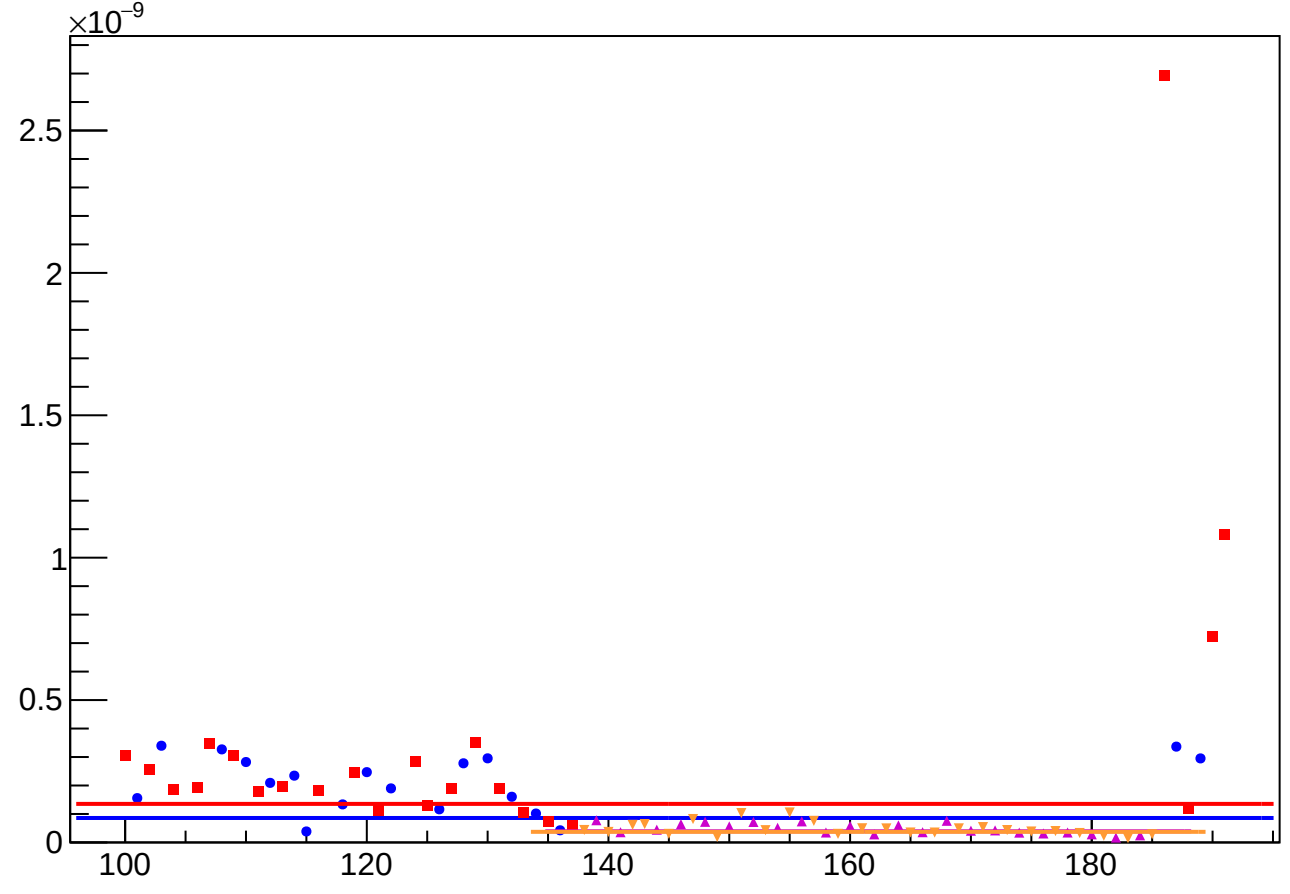
Right Out: 0.000+/-0.000 χ^2/NDF: 16.8/22

Left In: -0.000+/-0.000 χ^2/NDF:30.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 35.2/42

All: 0.000+/-0.000 χ^2/NDF: 85.1/88

- sign -0.000+/-0.000 χ^2/NDF: 48.5/45



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: 2079030.5/22

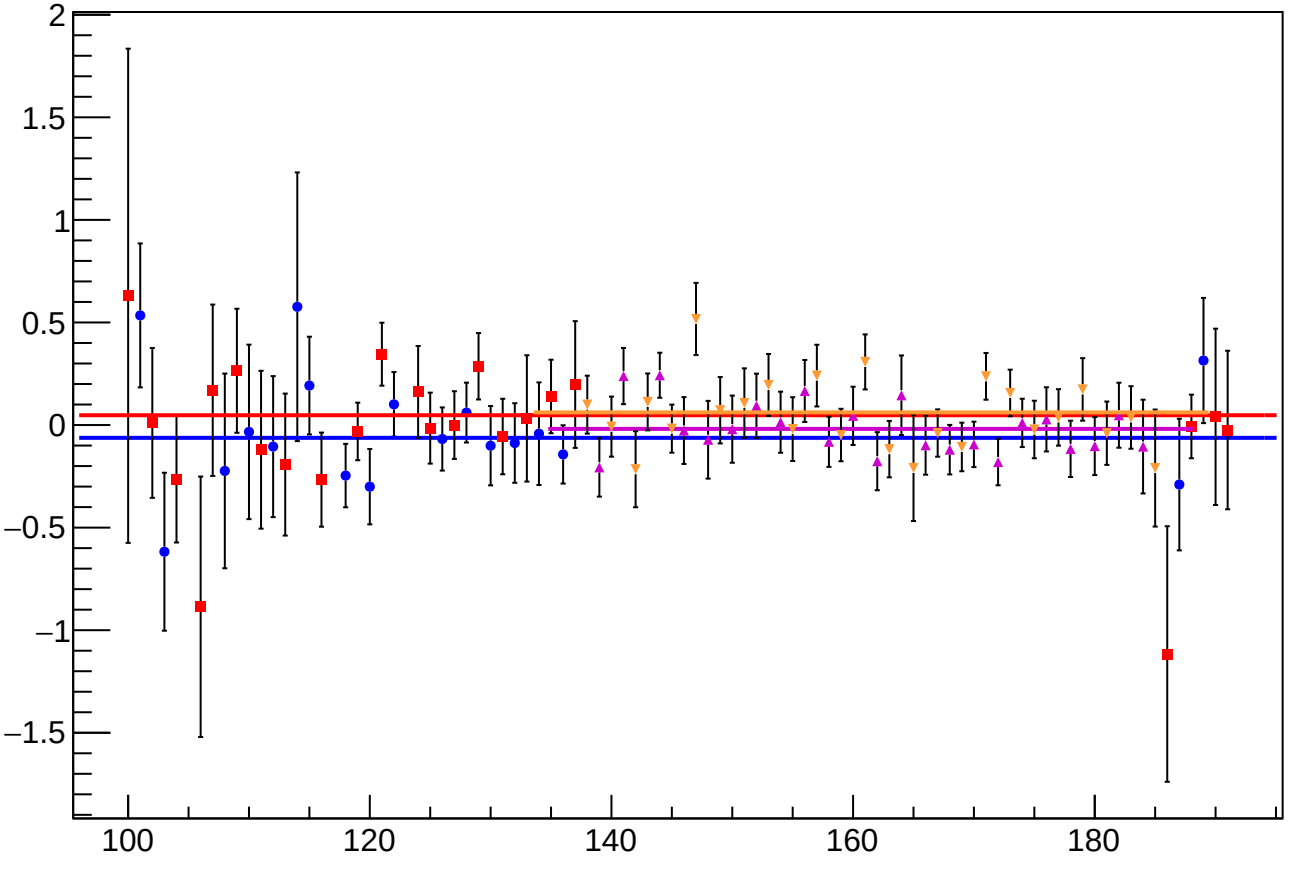
Left In: 0.000+/-0.000 χ^2/NDF:1921481.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 6605433.0/42

All: 0.000+/-0.000 χ^2/NDF: 13445672.6/88

- sign 0.000+/-0.000 χ^2/NDF: 6807322.2/45

asym_sam2_dit_vs_cor_diff_mean vs Slug



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: 0.048+/-0.048 χ^2/NDF: 17.8/22

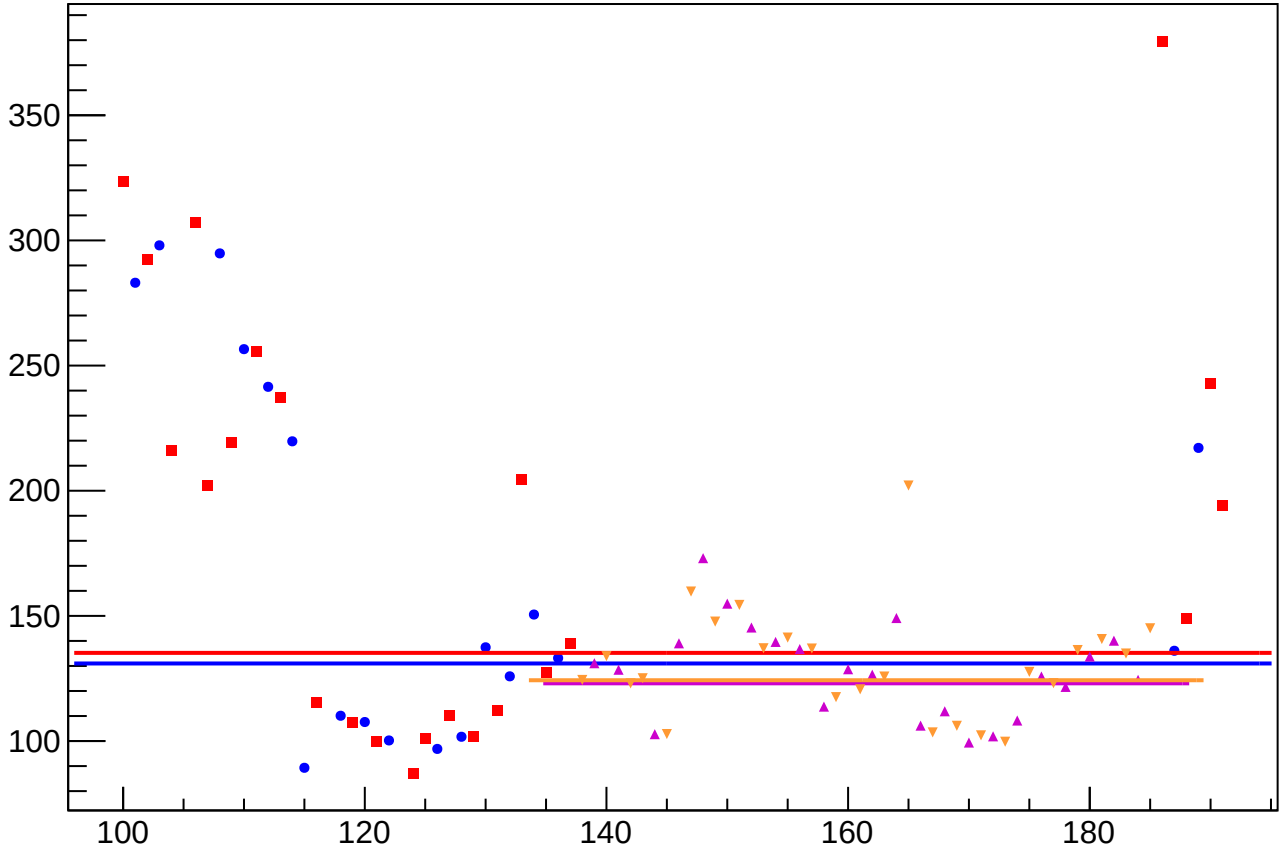
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.031+/-0.025 χ^2/NDF: 46.5/42

All: 0.015+/-0.018 χ^2/NDF: 86.8/88

- sign -0.001+/-0.025 χ^2/NDF: 39.5/45

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

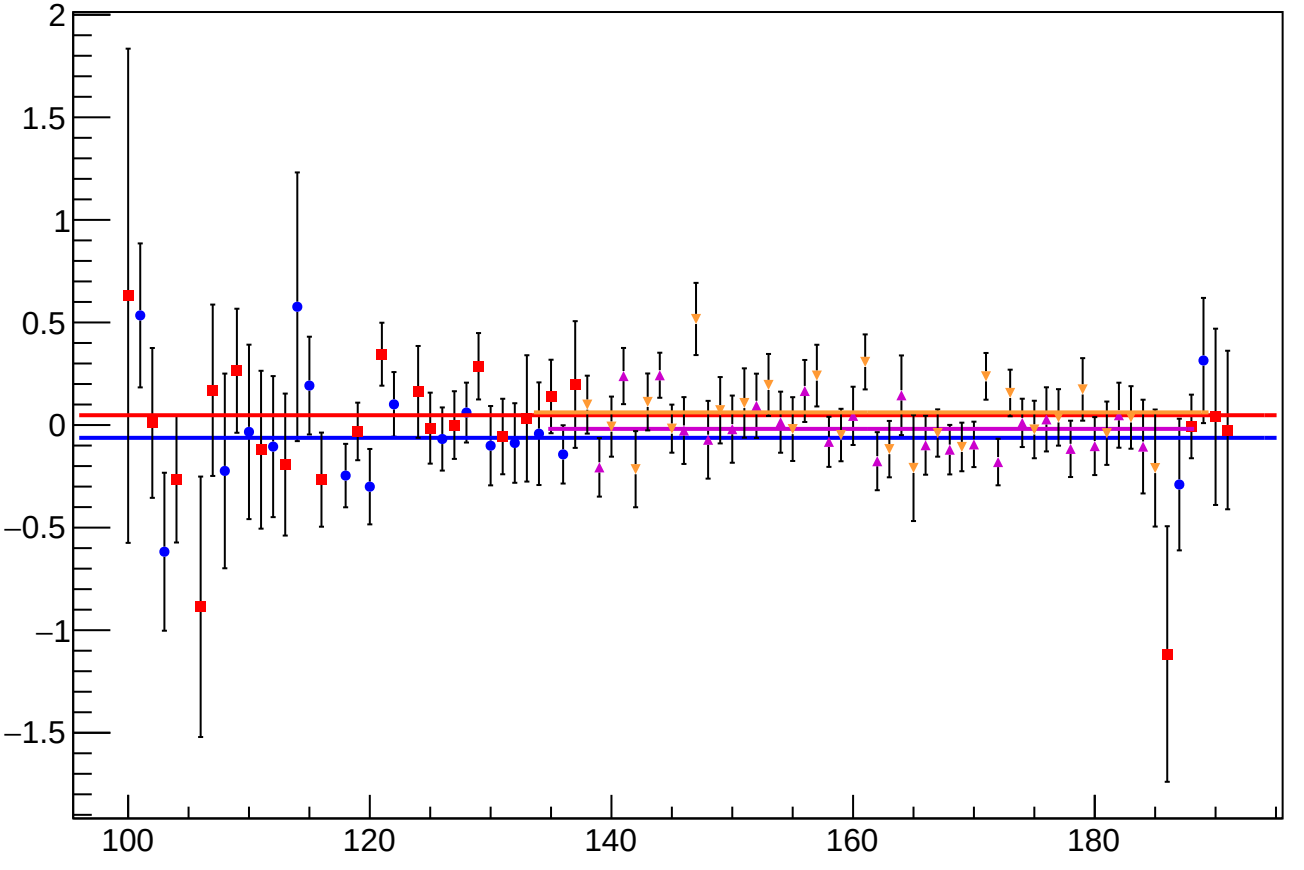
Right Out: 135.225+/-0.034 χ^2/NDF: 2409169.7/22

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

+ sign 125.930+/-0.018 χ^2/NDF: 2837656.2/42

All: 126.142+/-0.012 χ^2/NDF: 6059066.4/88

- sign 126.355+/-0.018 χ^2/NDF: 3221120.8/45



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: 0.048+/-0.048 χ^2/NDF: 17.8/22

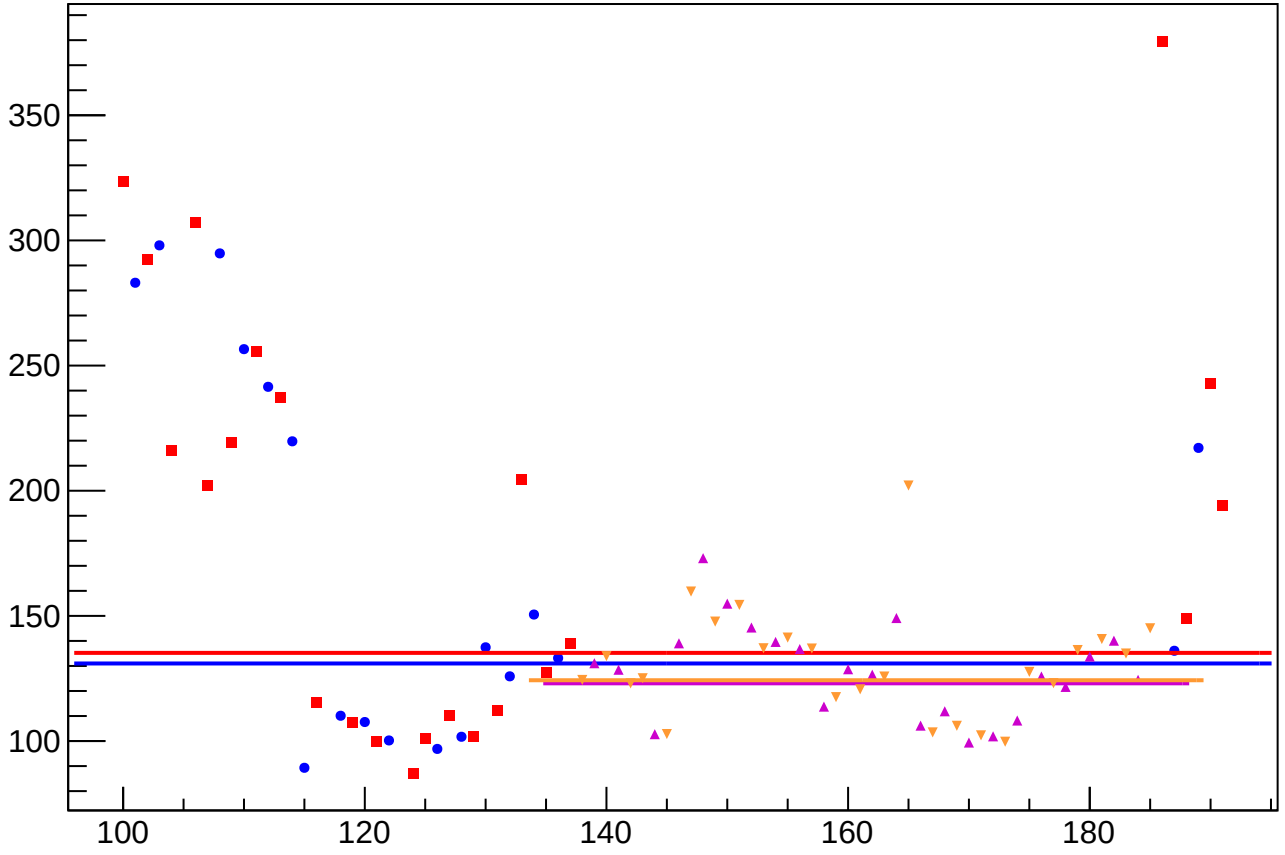
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.031+/-0.025 χ^2/NDF: 46.5/42

All: 0.015+/-0.018 χ^2/NDF: 86.8/88

- sign -0.001+/-0.025 χ^2/NDF: 39.5/45

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

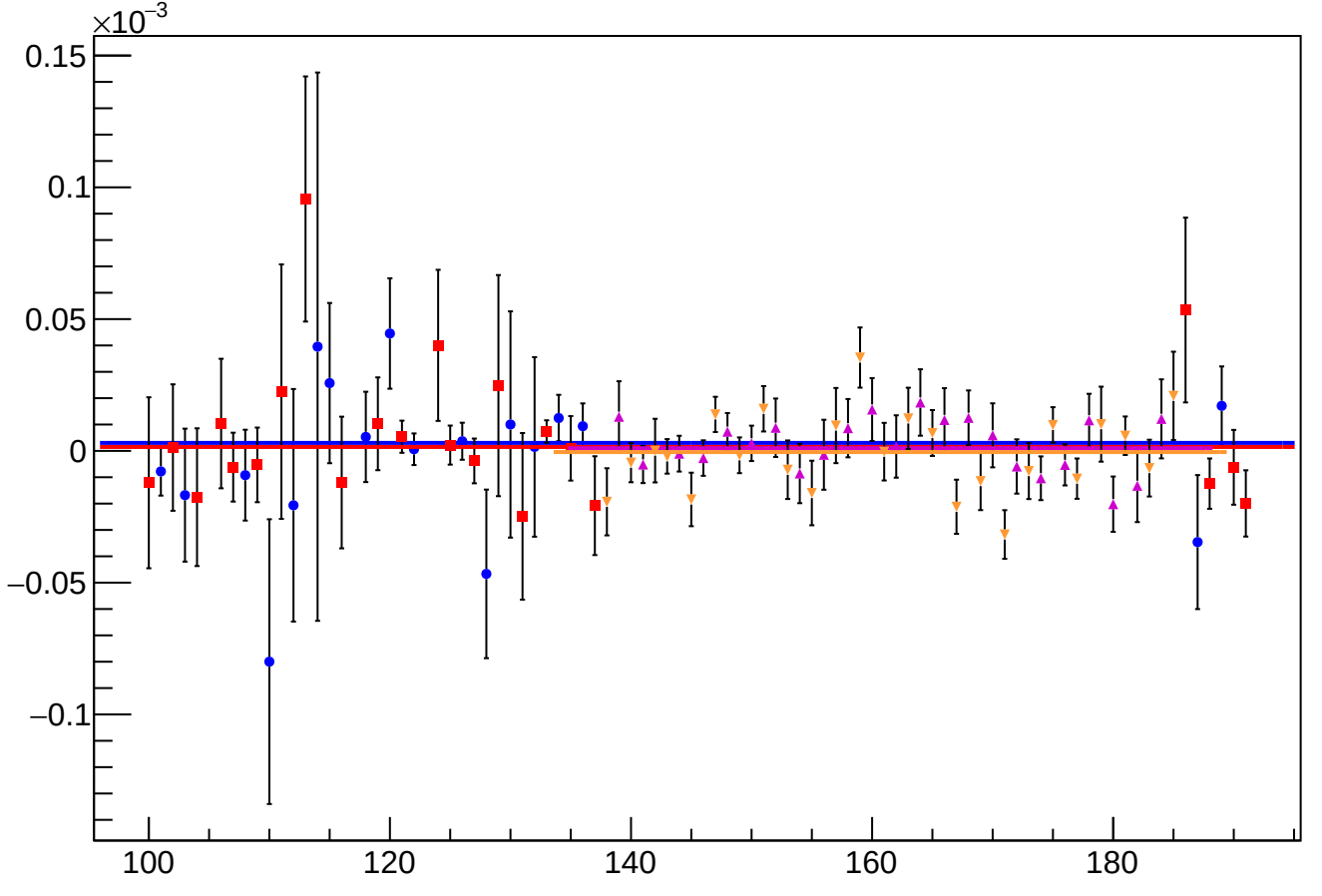
Right Out: 135.225+/-0.034 χ^2/NDF: 2409169.7/22

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

+ sign 125.930+/-0.018 χ^2/NDF: 2837656.2/42

All: 126.142+/-0.012 χ^2/NDF: 6059066.4/88

- sign 126.355+/-0.018 χ^2/NDF: 3221120.8/45



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: 20.7/22

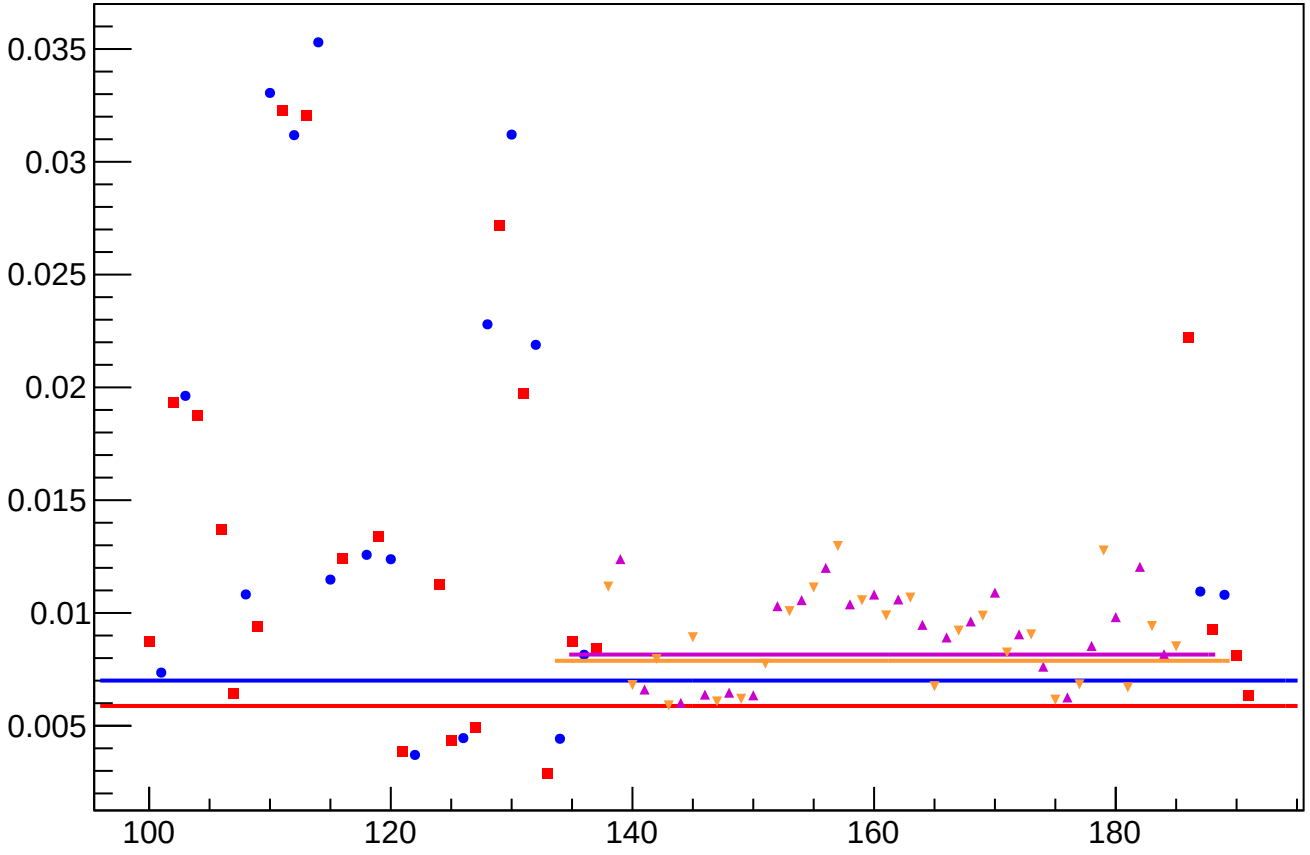
Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 70.6/42

All: 0.000+/-0.000 χ^2/NDF: 111.3/88

- sign 0.000+/-0.000 χ^2/NDF: 40.6/45

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

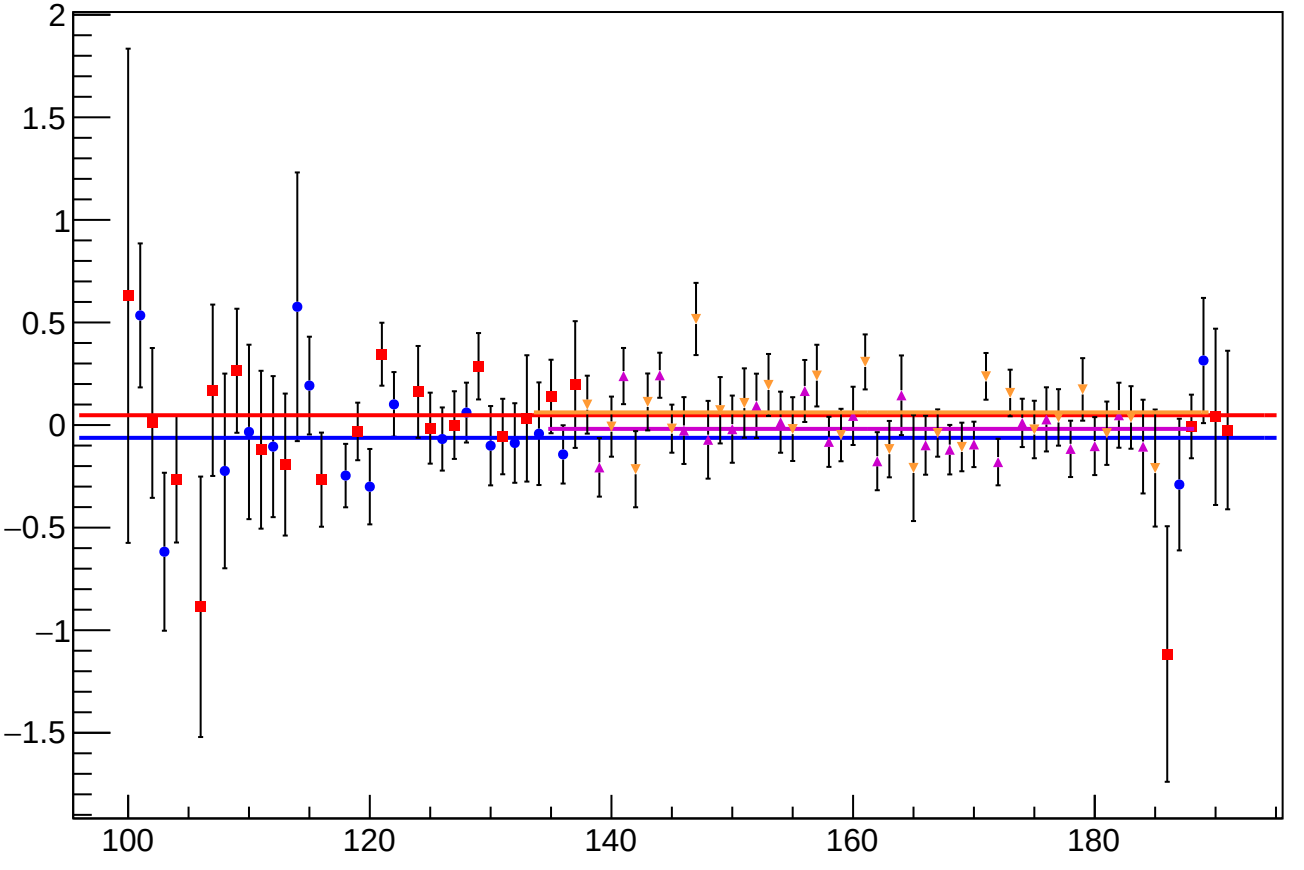
Right Out: 0.006+/-0.000 χ^2/NDF: 6366283.0/22

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: 16672600.3/88

\- sign 0.007+/-0.000 χ^2/NDF: 9447000.6/45



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: 0.048+/-0.048 χ^2/NDF: 17.8/22

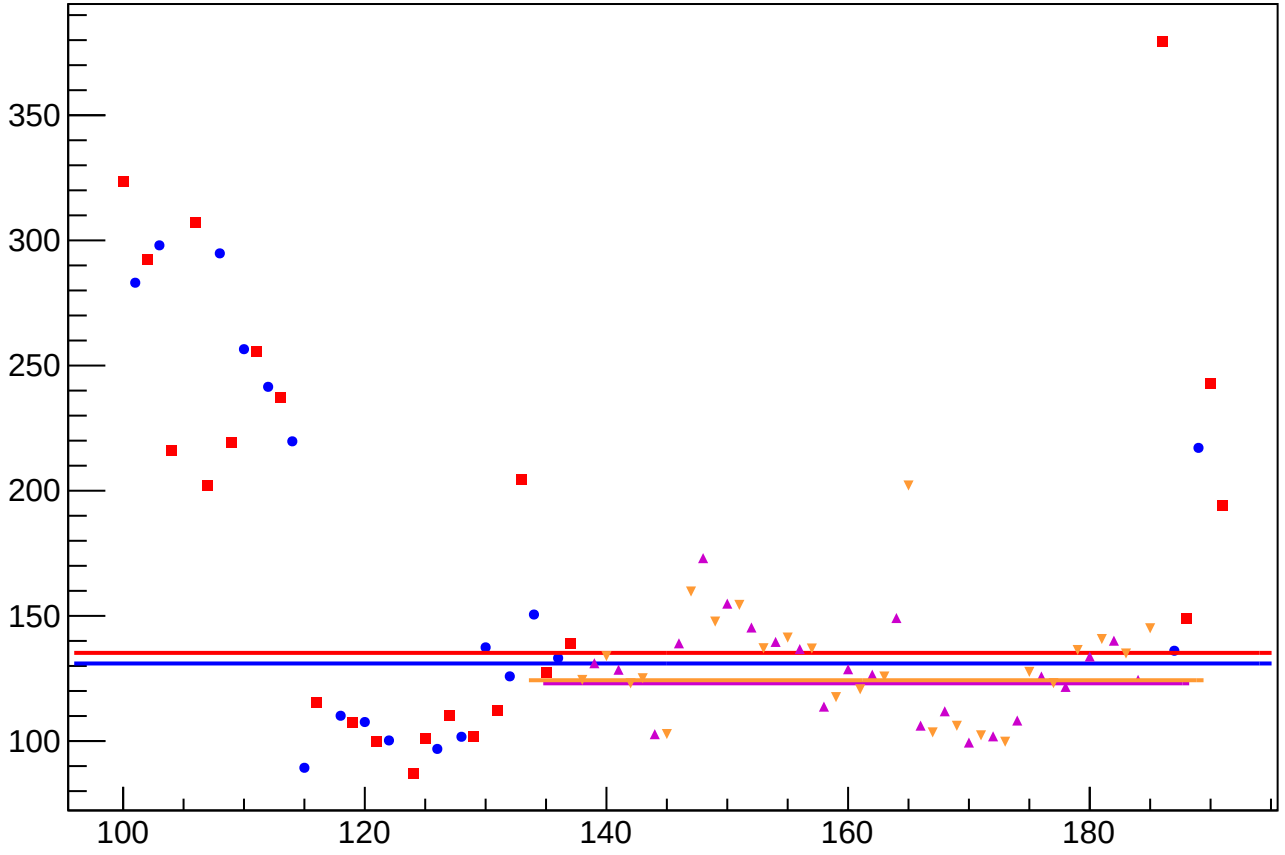
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.031+/-0.025 χ^2/NDF: 46.5/42

All: 0.015+/-0.018 χ^2/NDF: 86.8/88

- sign -0.001+/-0.025 χ^2/NDF: 39.5/45

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

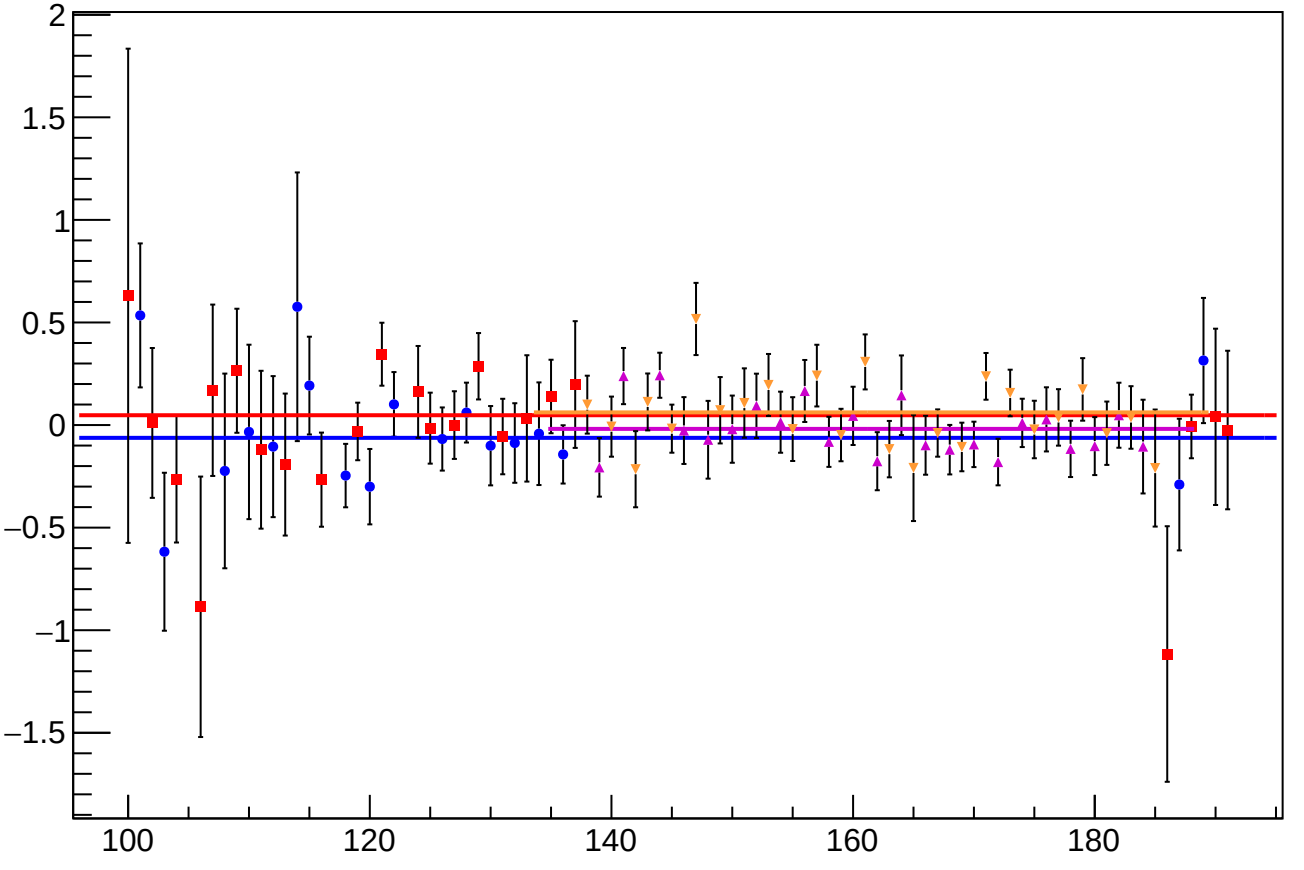
Right Out: 135.223+/-0.034 χ^2/NDF: 2409189.8/22

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

+ sign 125.929+/-0.018 χ^2/NDF: 2837654.0/42

All: 126.141+/-0.012 χ^2/NDF: 6059070.8/88

- sign 126.354+/-0.018 χ^2/NDF: 3221127.6/45



Right In: -0.062+/-0.050 χ^2/NDF: 14.5/17

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

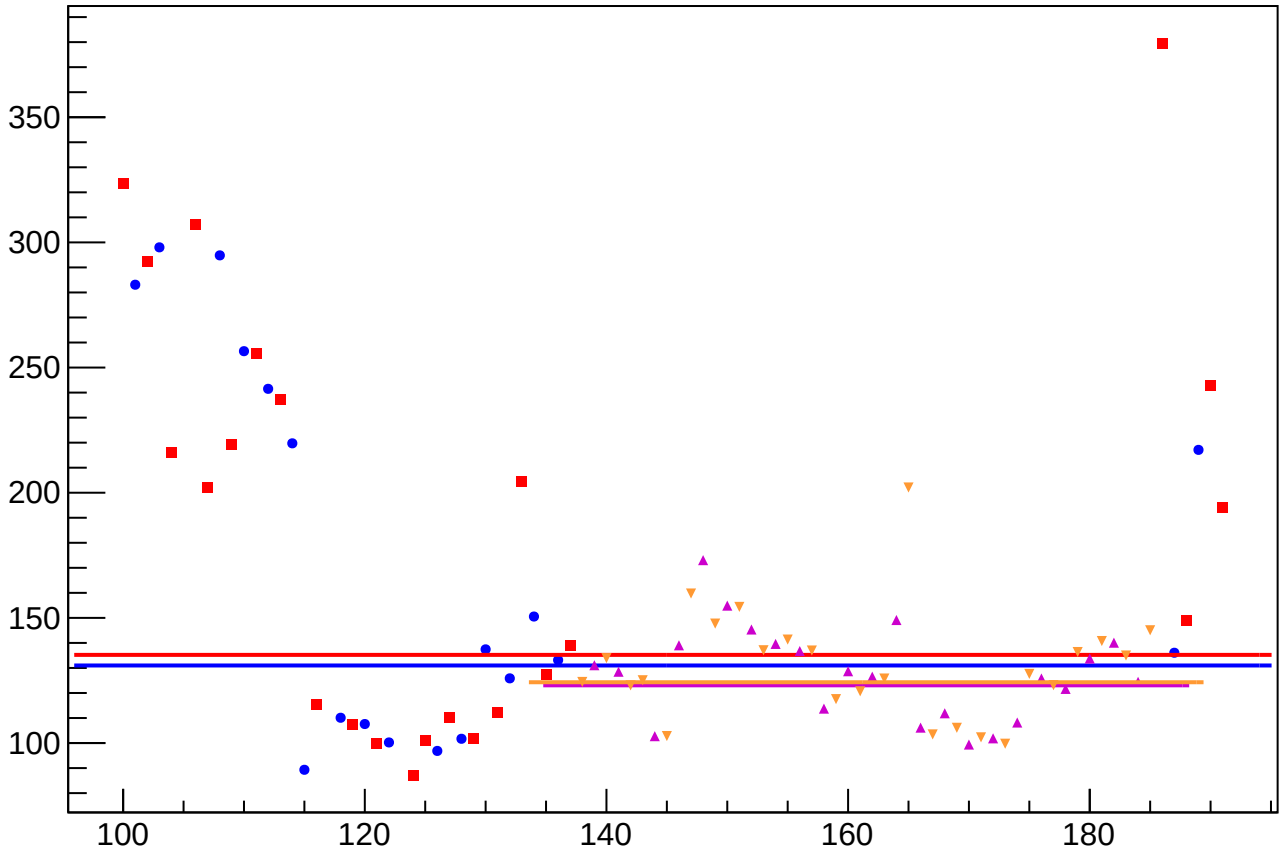
Right Out: 0.048+/-0.048 χ^2/NDF: 17.8/22

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: 86.8/88

- sign -0.001+/-0.025 χ^2/NDF: 39.5/45



Right In: 130.988+/-0.036 χ^2/NDF: 1969952.3/17

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

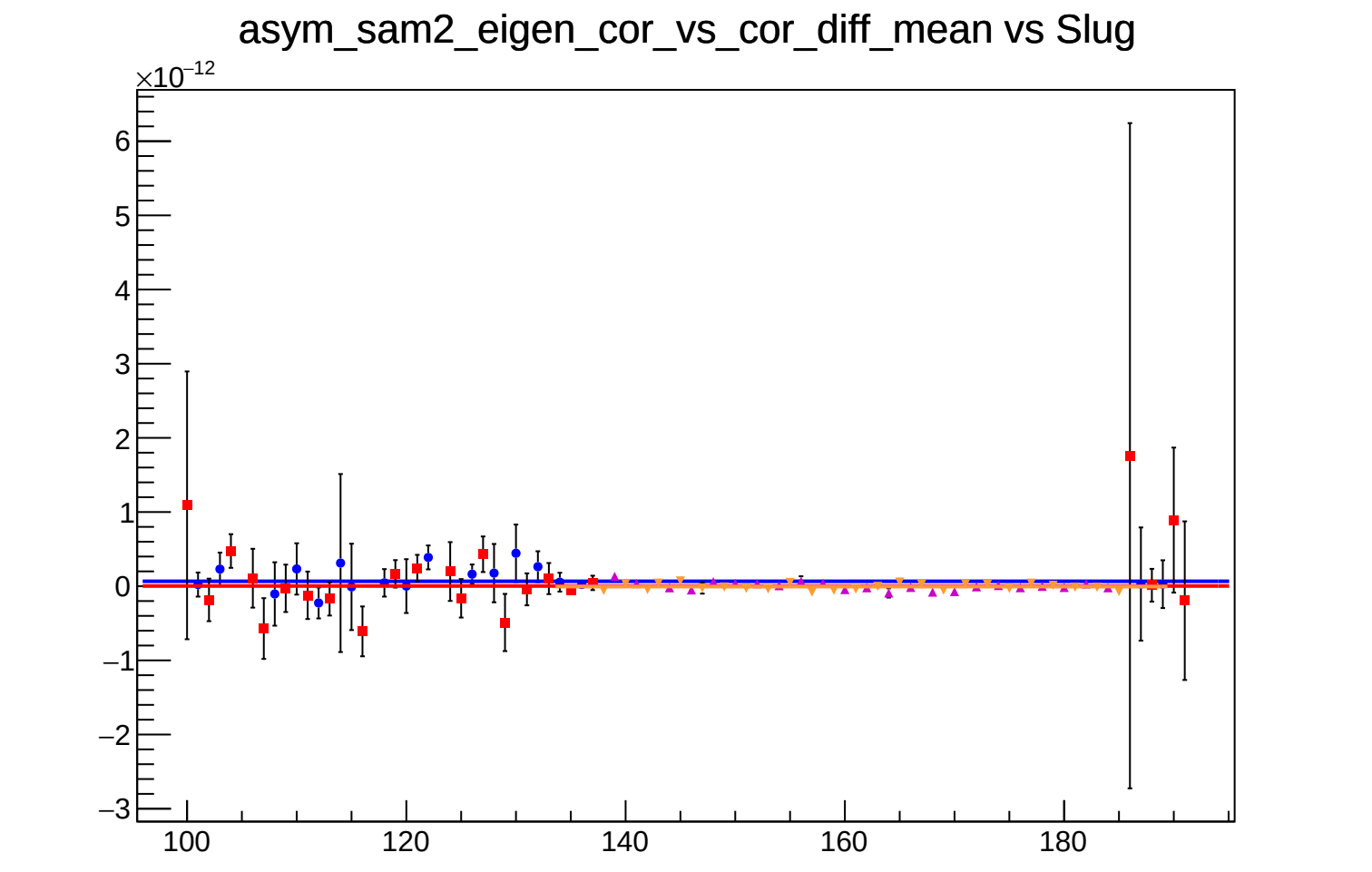
Right Out: 135.223+/-0.034 χ^2/NDF: 2409189.8/22

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

+ sign 125.929+/-0.018 χ^2/NDF: 2837654.0/42

All: 126.141+/-0.012 χ^2/NDF: 6059070.8/88

- sign 126.354+/-0.018 χ^2/NDF: 3221127.6/45



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/17

Left Out: -0.000+/-0.000 χ^2/NDF:24.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.7/22

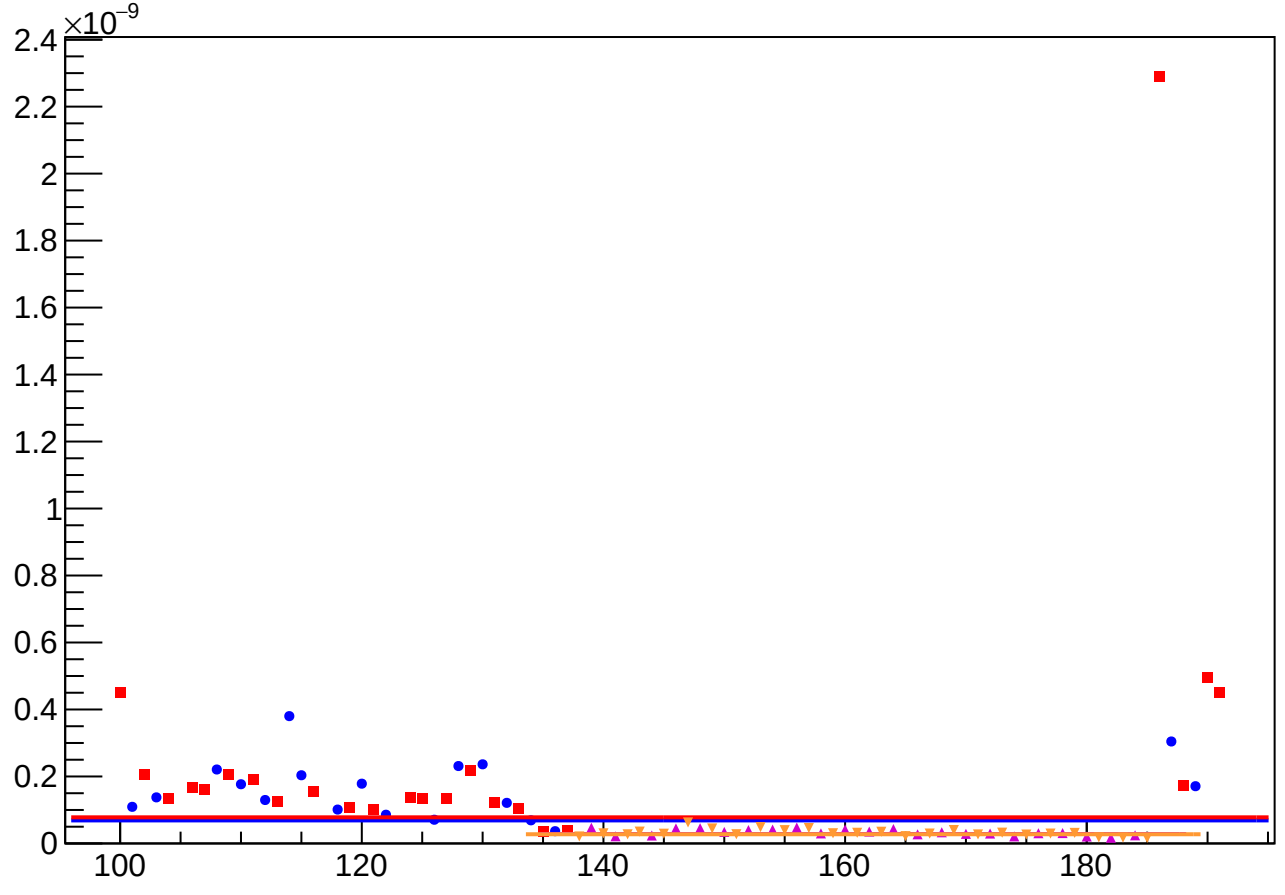
Left In: 0.000+/-0.000 χ^2/NDF:24.6/22

\+ sign -0.000+/-0.000 χ^2/NDF: 38.7/42

All: -0.000+/-0.000 χ^2/NDF: 85.0/88

\- sign 0.000+/-0.000 χ^2/NDF: 46.3/45

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: 5141135.8/22

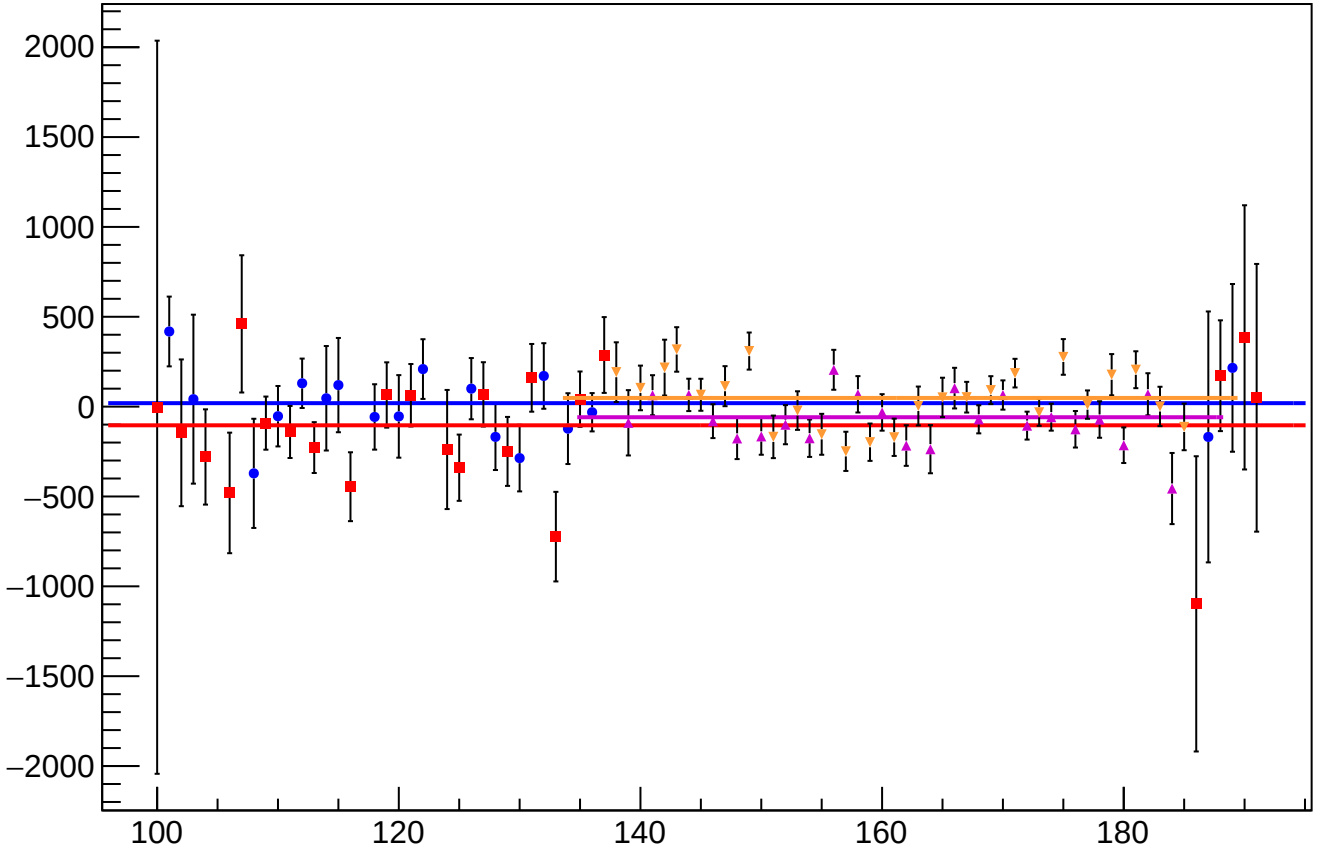
Left In: 0.000+/-0.000 χ^2/NDF:2191521.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 8509959.0/42

All: 0.000+/-0.000 χ^2/NDF: 19014971.9/88

- sign 0.000+/-0.000 χ^2/NDF: 10489163.1/45

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: -103.946+/-45.089 χ^2/NDF: 28.2/22

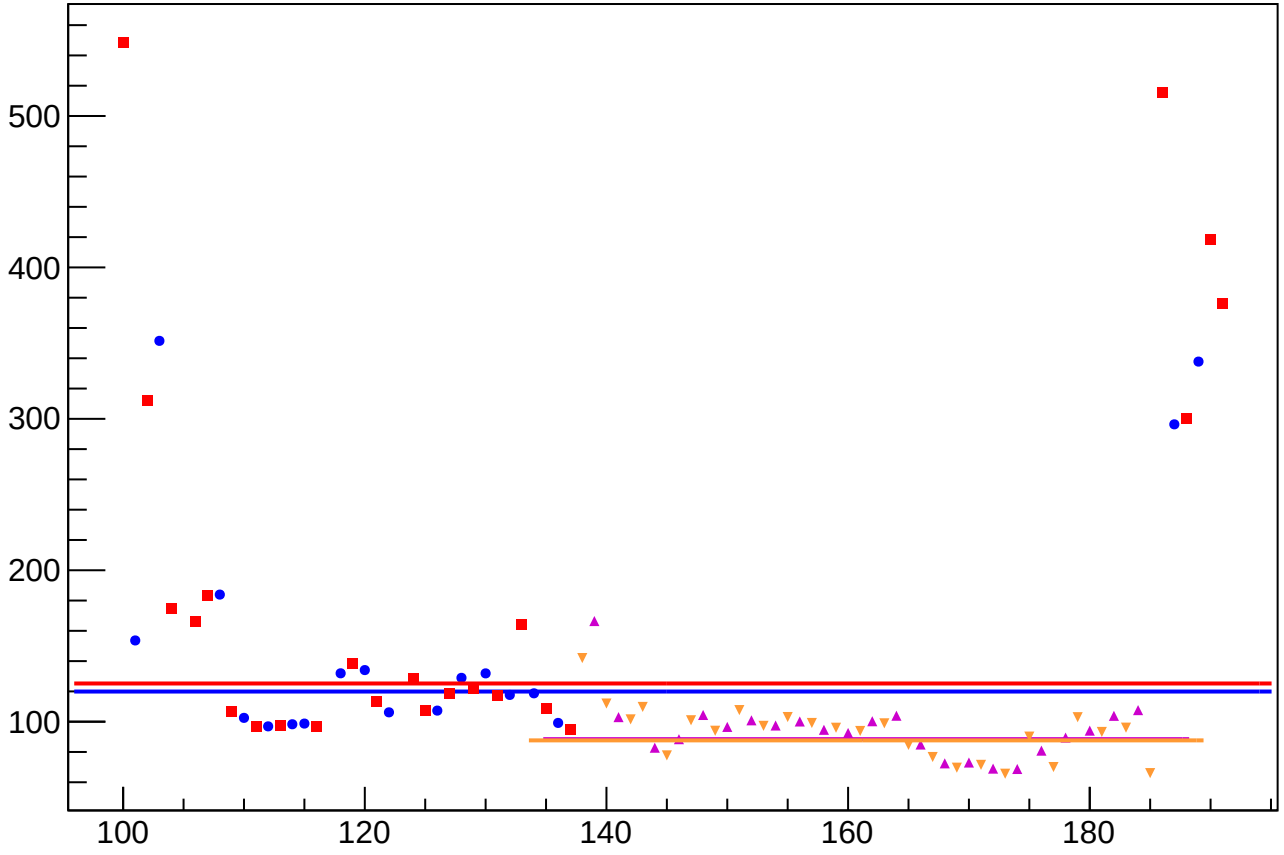
Left In: -59.014+/-21.156 χ^2/NDF:30.6/22

+ sign 43.491+/-18.625 χ^2/NDF: 68.0/42

All: -10.269+/-13.352 χ^2/NDF: 144.8/88

- sign -67.121+/-19.153 χ^2/NDF: 59.7/45

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

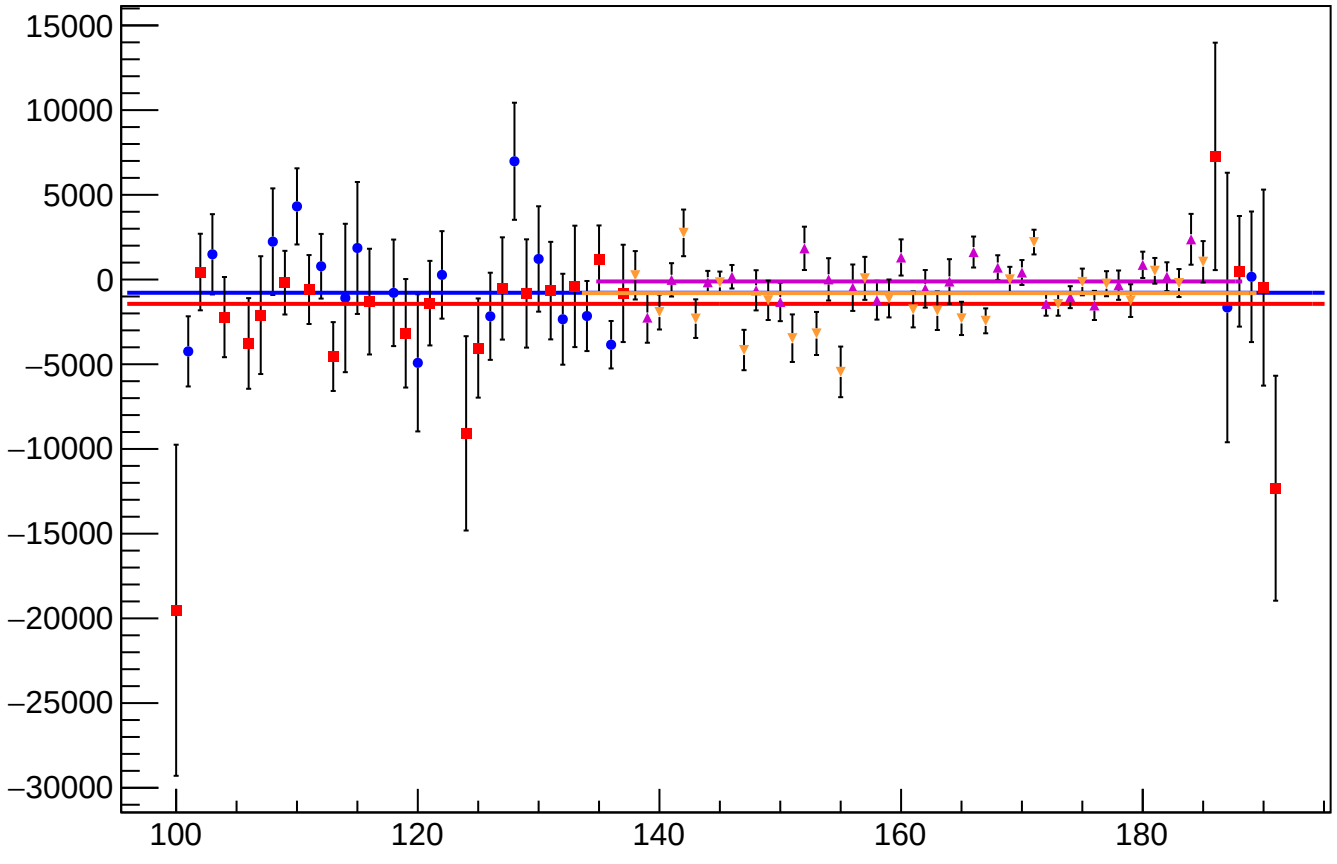
Right Out: 125.230+/-0.032 χ^2/NDF: 2681595.7/22

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 93.086+/-0.013 χ^2/NDF: 3482958.6/42

All: 94.071+/-0.009 χ^2/NDF: 8340496.1/88

- sign 95.113+/-0.014 χ^2/NDF: 4846026.3/45



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: -1435.517+/-594.546 χ^2/NDF: 17.7/22

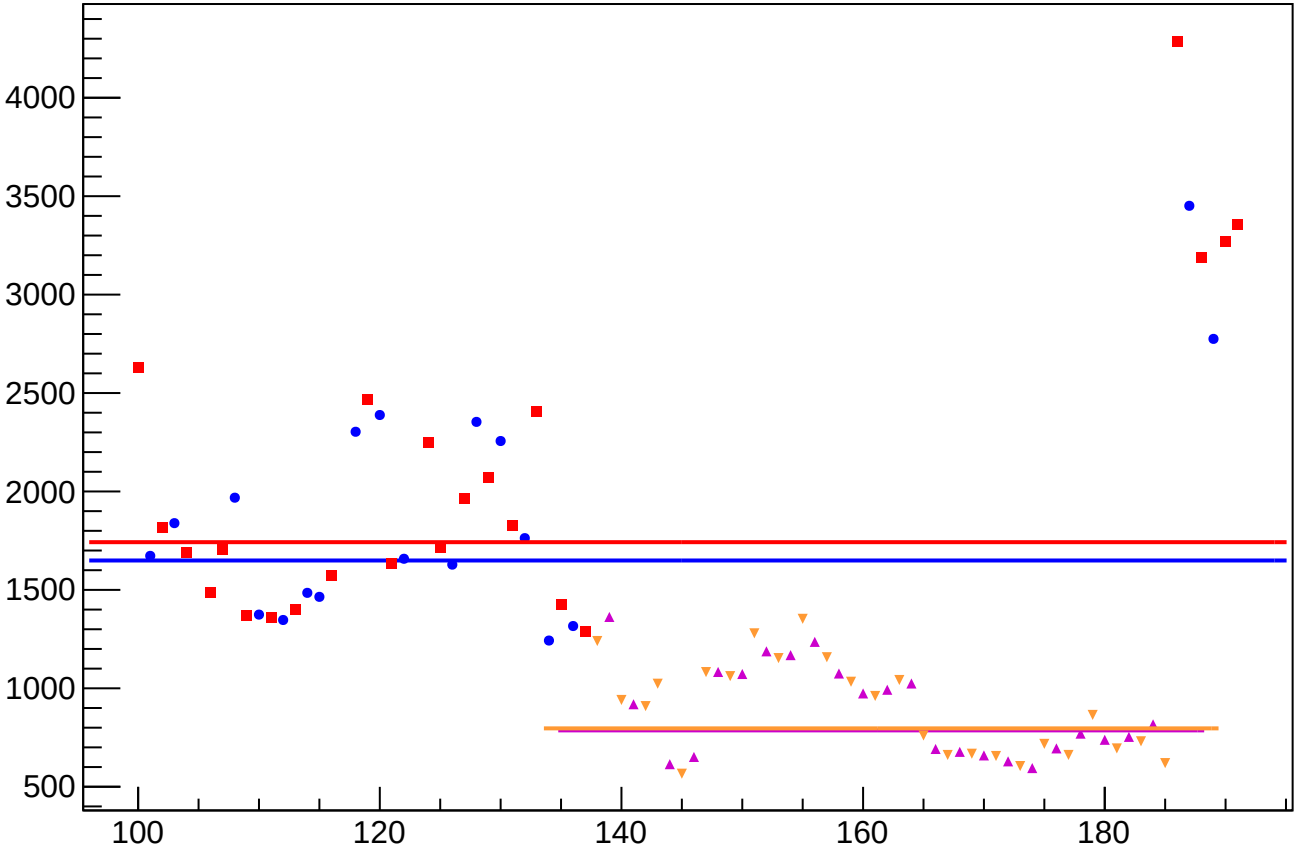
Left In: -112.483+/-190.269 χ^2/NDF:27.1/22

+ sign -799.648+/-179.358 χ^2/NDF: 95.4/42

All: -520.429+/-127.477 χ^2/NDF: 149.5/88

- sign -235.395+/-181.216 χ^2/NDF: 49.2/45

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: 1742.402+/-0.420 χ^2/NDF: 1514261.5/22

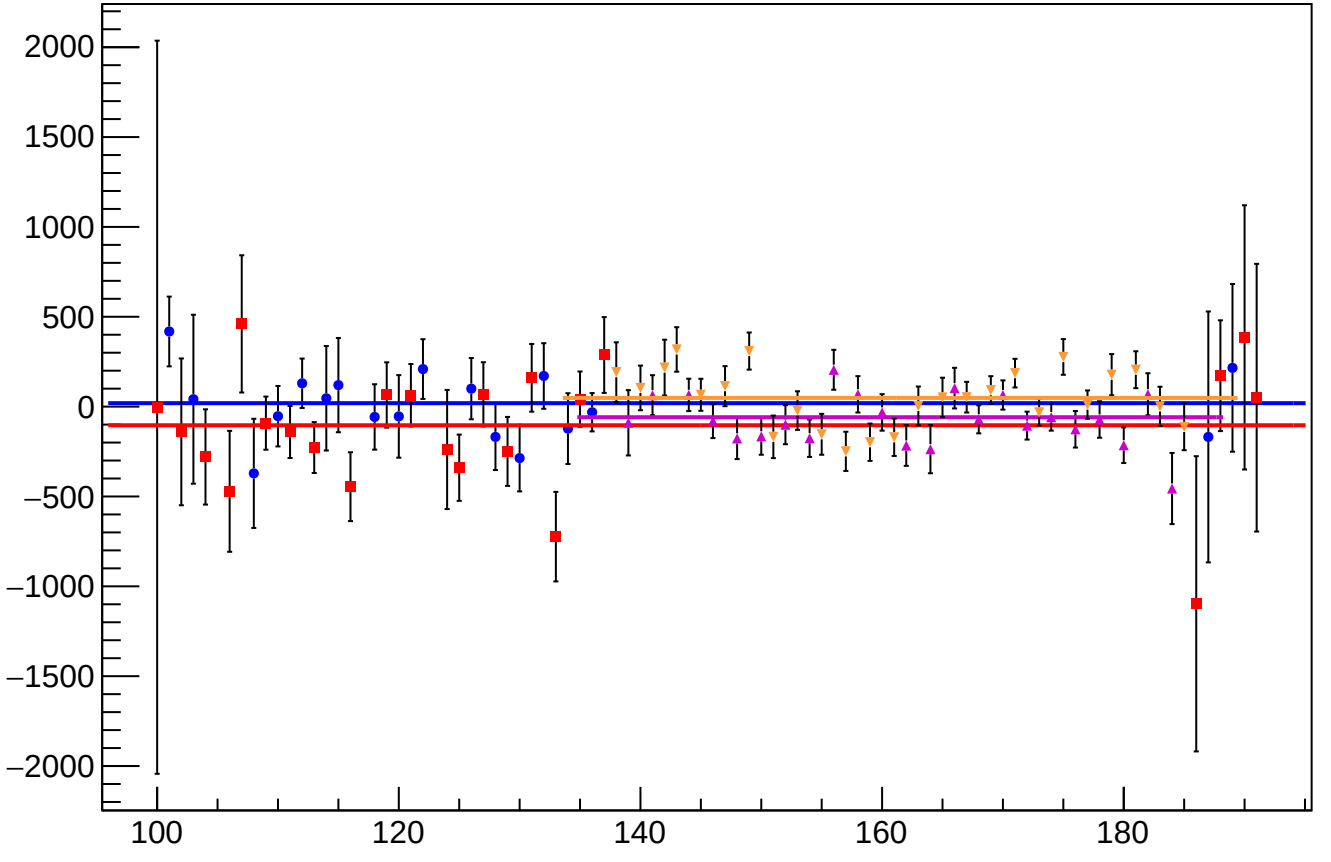
Left In: 786.336+/-0.135 χ^2/NDF:2156583.9/22

+ sign 871.103+/-0.127 χ^2/NDF: 6927062.5/42

All: 873.108+/-0.090 χ^2/NDF: 15289680.5/88

- sign 875.156+/-0.128 χ^2/NDF: 8362112.7/45

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: -103.668+/-45.092 χ^2/NDF: 28.2/22

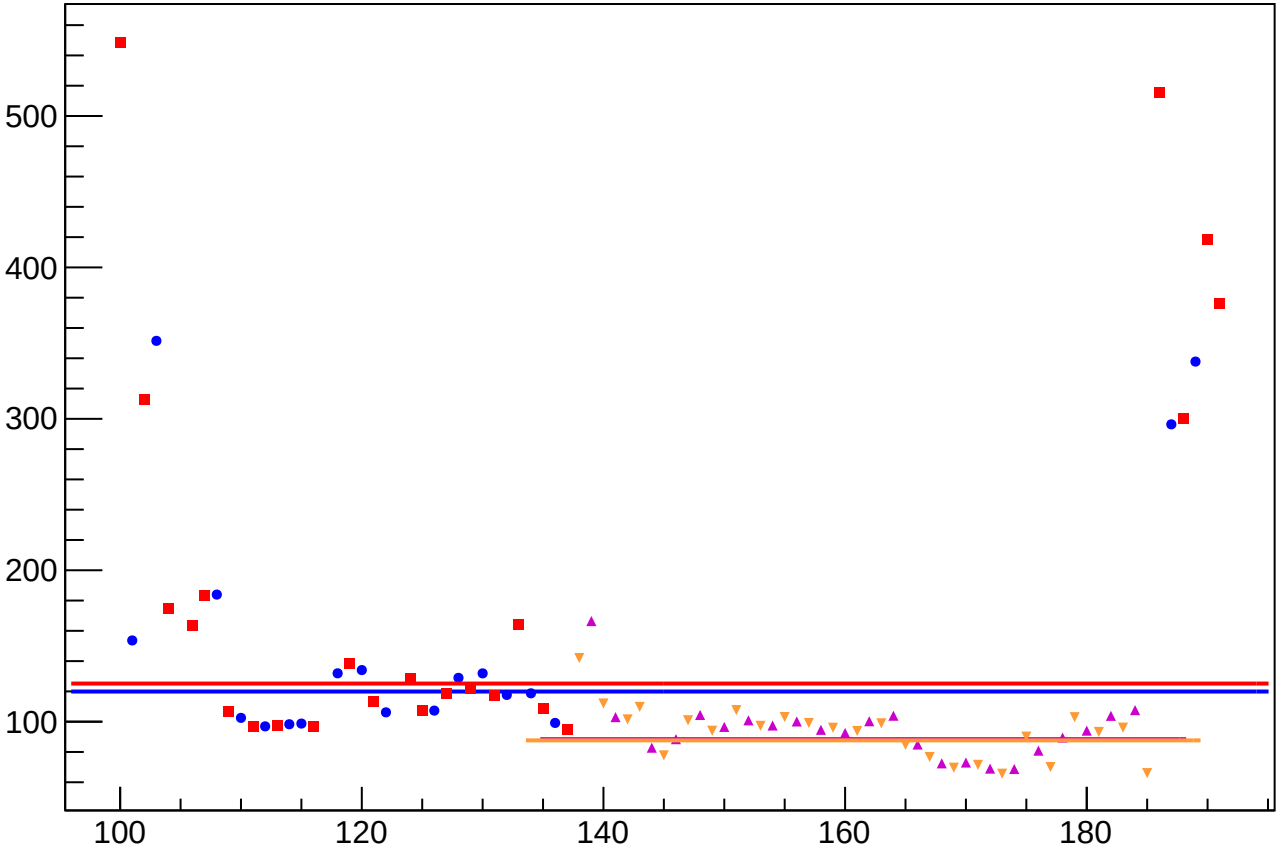
Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 43.495+/-18.625 χ^2/NDF: 68.0/42

All: -10.243+/-13.352 χ^2/NDF: 144.7/88

- sign -67.072+/-19.153 χ^2/NDF: 59.6/45

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: 125.181+/-0.032 χ^2/NDF: 2678102.8/22

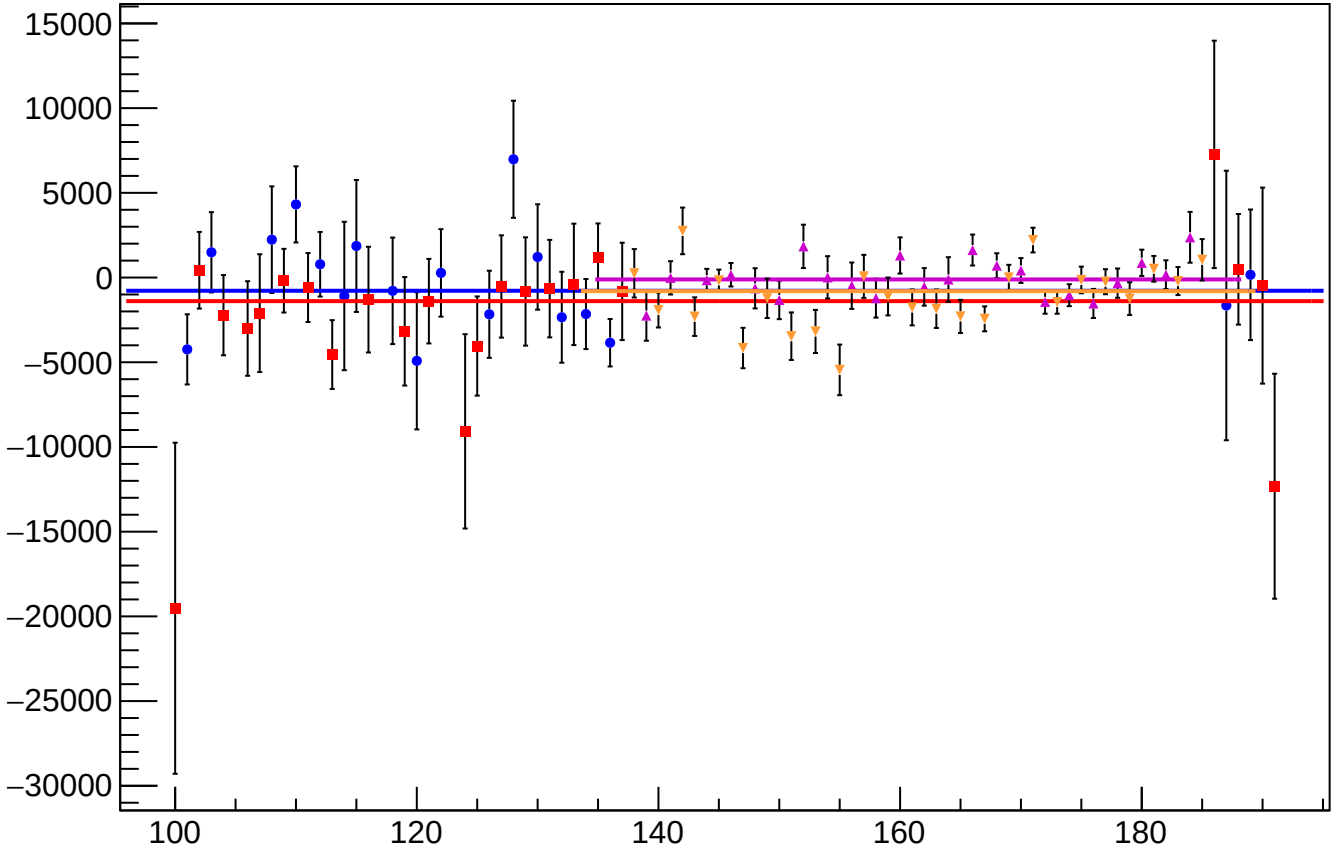
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 93.086+/-0.013 χ^2/NDF: 3482960.1/42

All: 94.066+/-0.009 χ^2/NDF: 8333868.0/88

- sign 95.103+/-0.014 χ^2/NDF: 4839505.3/45

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: -1392.526+/-595.773 χ^2/NDF: 17.2/22

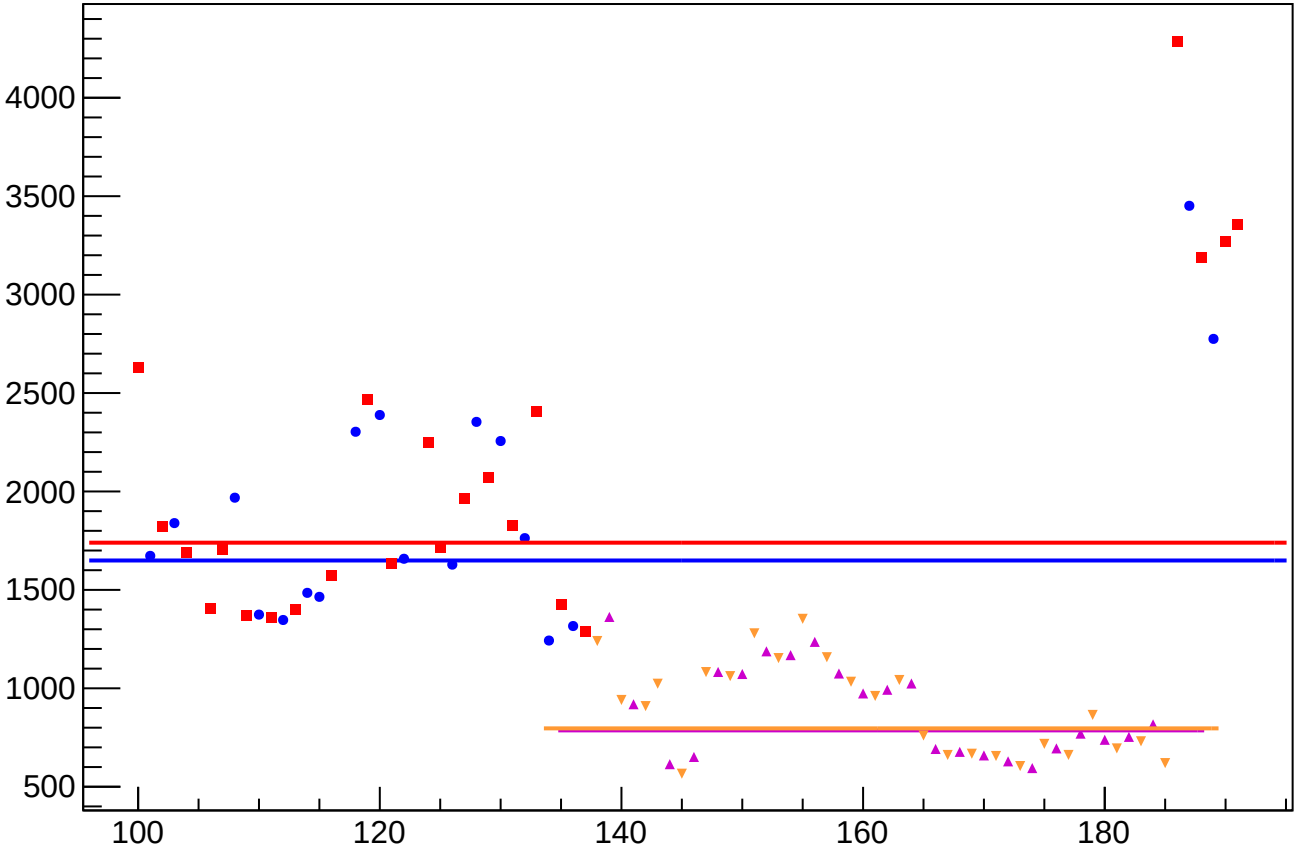
Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

+ sign -799.640+/-179.358 χ^2/NDF: 95.4/42

All: -518.284+/-127.489 χ^2/NDF: 148.8/88

- sign -230.958+/-181.251 χ^2/NDF: 48.5/45

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: 1739.825+/-0.421 χ^2/NDF: 1525150.2/22

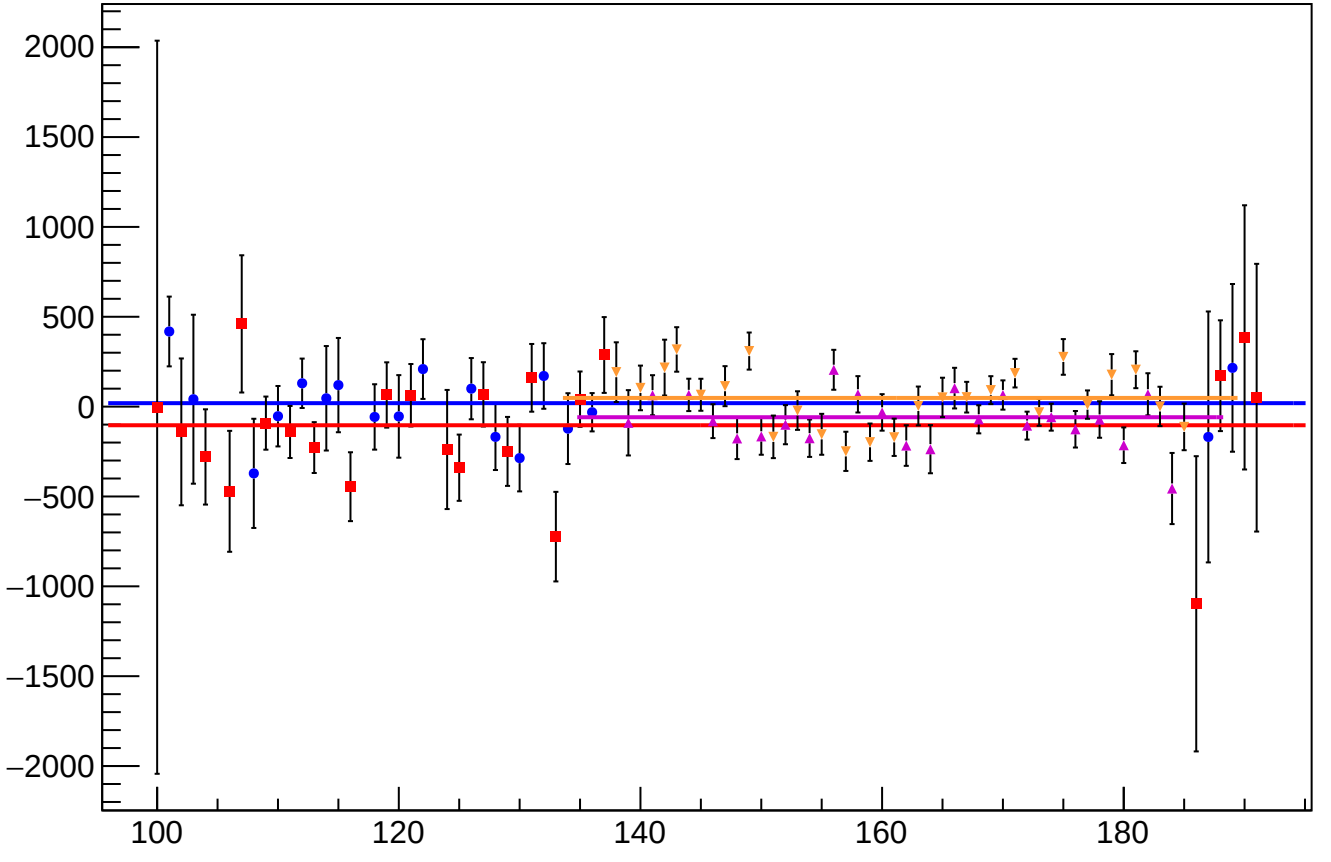
Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

+ sign 871.103+/-0.127 χ^2/NDF: 6927121.0/42

All: 872.826+/-0.090 χ^2/NDF: 15257805.5/88

- sign 874.585+/-0.128 χ^2/NDF: 8330311.4/45

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: -103.668+/-45.092 χ^2/NDF: 28.2/22

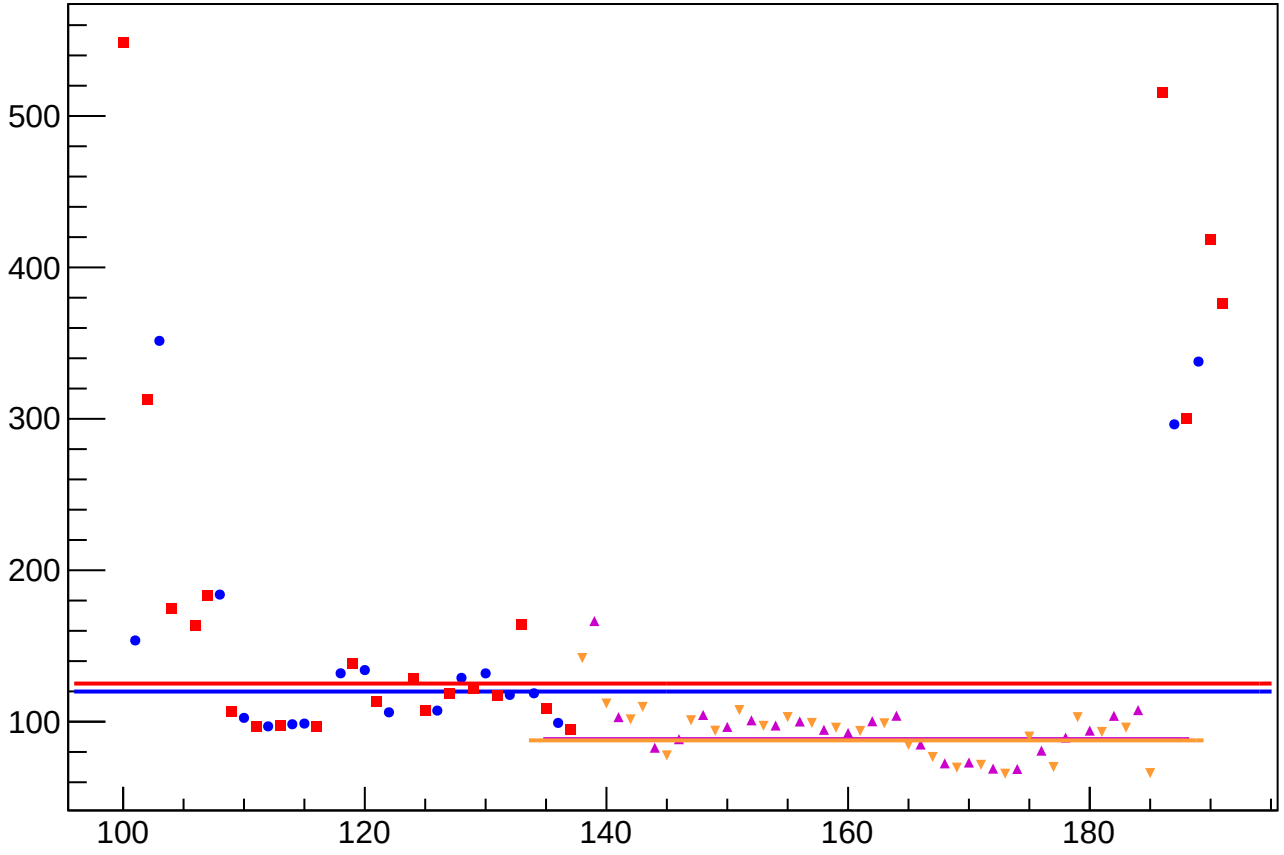
Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 43.495+/-18.625 χ^2/NDF: 68.0/42

All: -10.243+/-13.352 χ^2/NDF: 144.7/88

- sign -67.072+/-19.153 χ^2/NDF: 59.6/45

eigen_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

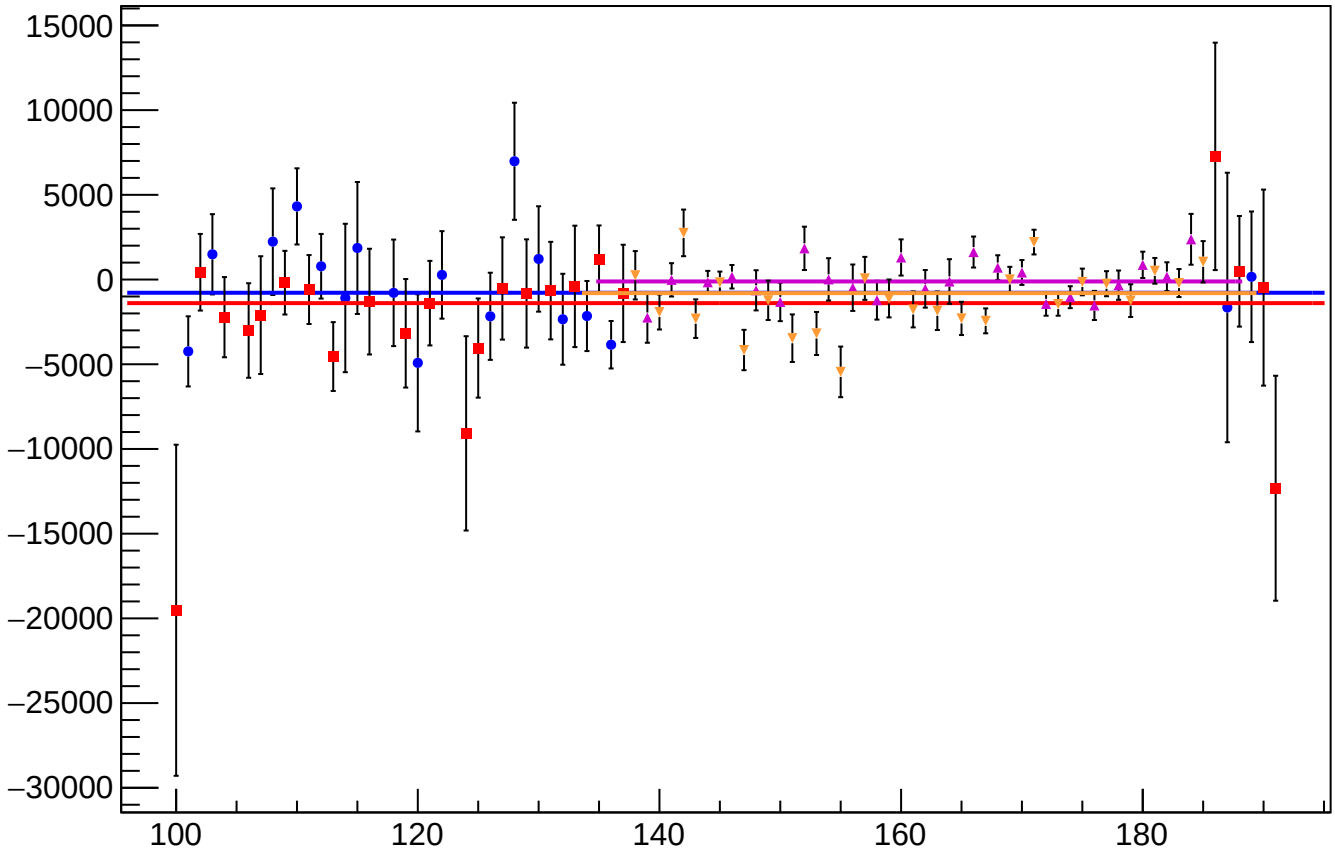
Right Out: 125.181+/-0.032 χ^2/NDF: 2678102.8/22

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 93.086+/-0.013 χ^2/NDF: 3482960.1/42

All: 94.066+/-0.009 χ^2/NDF: 8333868.0/88

- sign 95.103+/-0.014 χ^2/NDF: 4839505.3/45



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: -1392.526+/-595.773 χ^2/NDF: 17.2/22

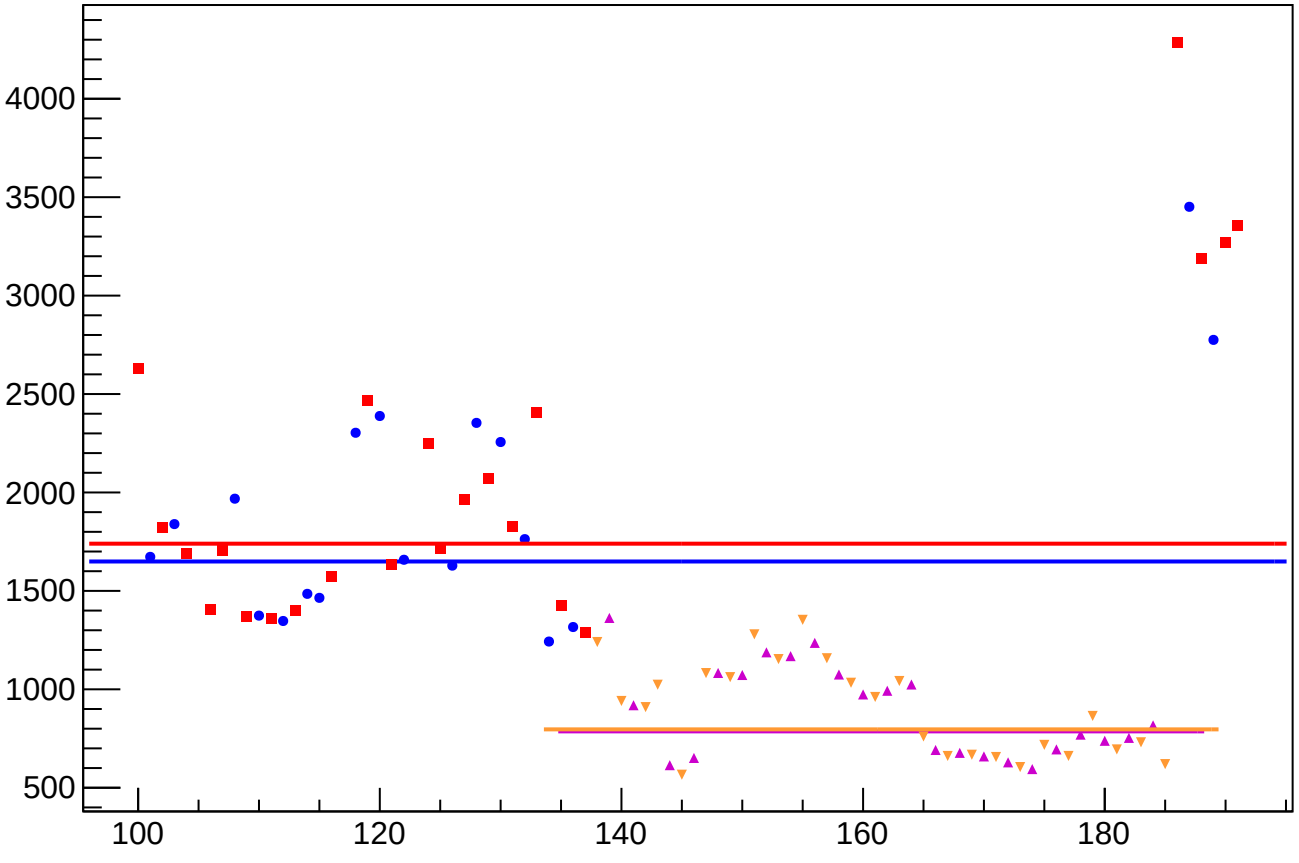
Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

+ sign -799.640+/-179.358 χ^2/NDF: 95.4/42

All: -518.284+/-127.489 χ^2/NDF: 148.8/88

- sign -230.958+/-181.251 χ^2/NDF: 48.5/45

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: 1739.825+/-0.421 χ^2/NDF: 1525150.2/22

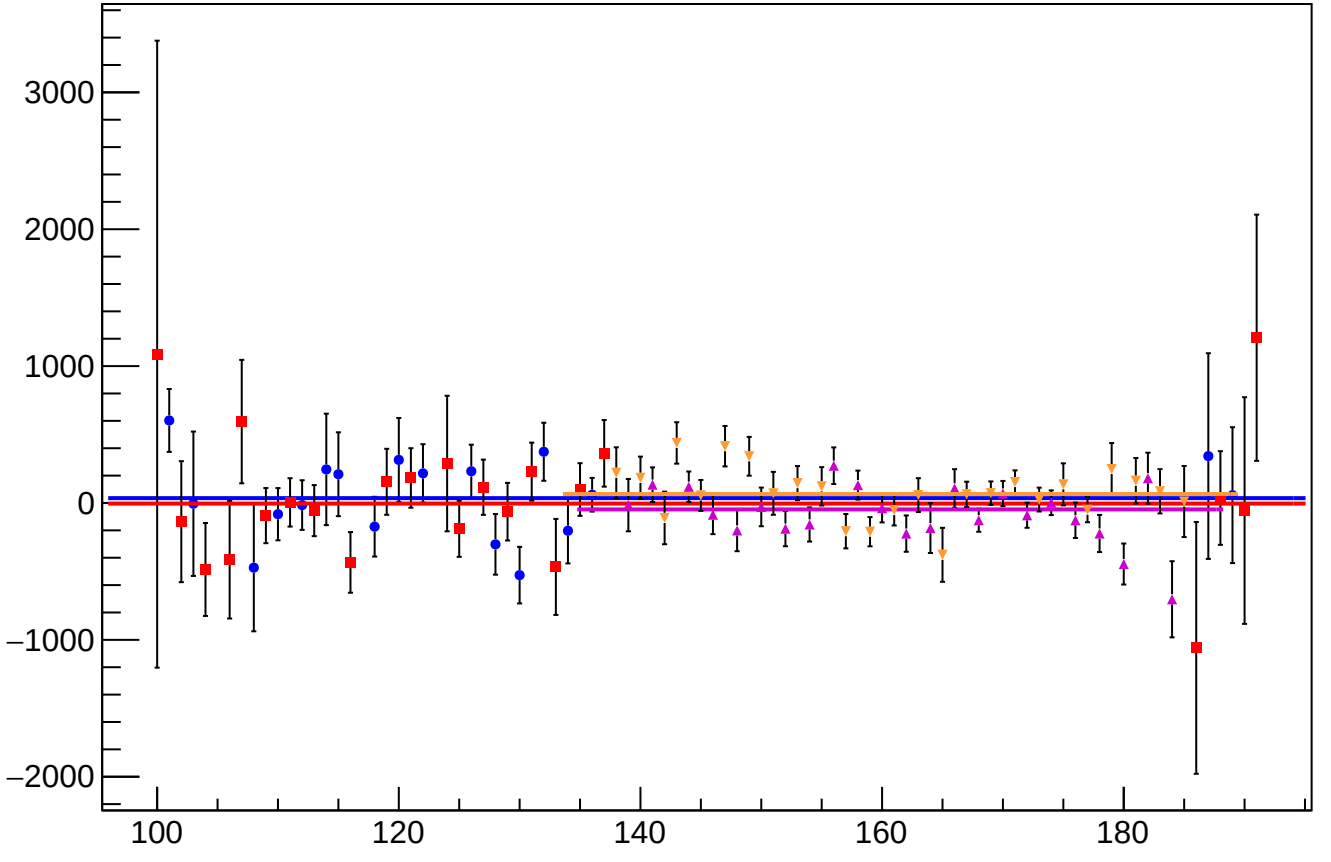
Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

+ sign 871.103+/-0.127 χ^2/NDF: 6927121.0/42

All: 872.826+/-0.090 χ^2/NDF: 15257805.5/88

- sign 874.585+/-0.128 χ^2/NDF: 8330311.4/45

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: -4.450+/-55.025 χ^2/NDF: 20.5/22

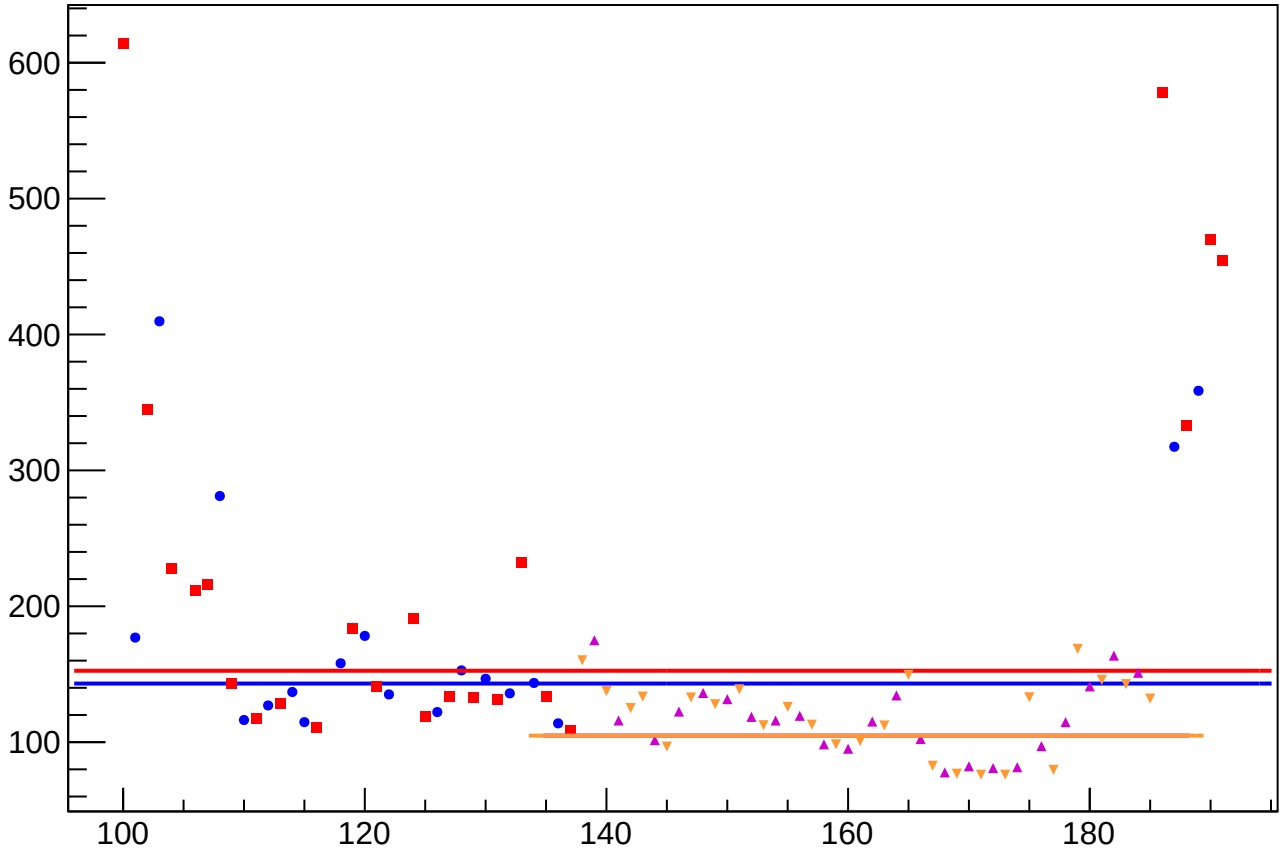
Left In: -47.039+/-25.696 χ^2/NDF:38.6/22

+ sign 60.399+/-22.763 χ^2/NDF: 65.6/42

All: 11.619+/-16.276 χ^2/NDF: 134.6/88

- sign -39.414+/-23.283 χ^2/NDF: 59.6/45

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: 152.543+/-0.039 χ^2/NDF: 2672961.7/22

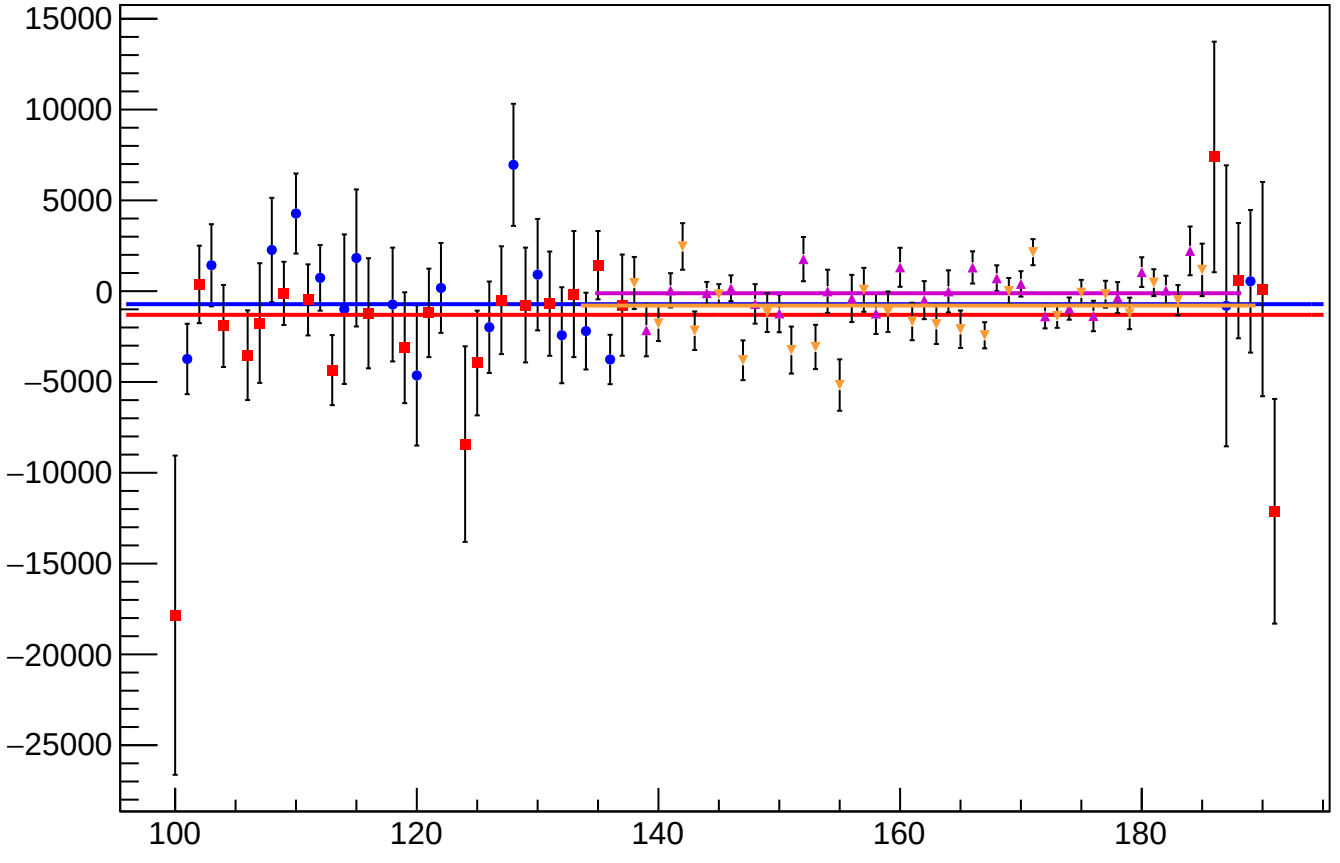
Left In: 104.835+/-0.018 χ^2/NDF:1614476.5/22

+ sign 111.512+/-0.016 χ^2/NDF: 4530581.0/42

All: 112.423+/-0.012 χ^2/NDF: 10058892.7/88

- sign 113.376+/-0.016 χ^2/NDF: 5521759.6/45

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: -1302.815+/-568.615 χ^2/NDF: 18.9/22

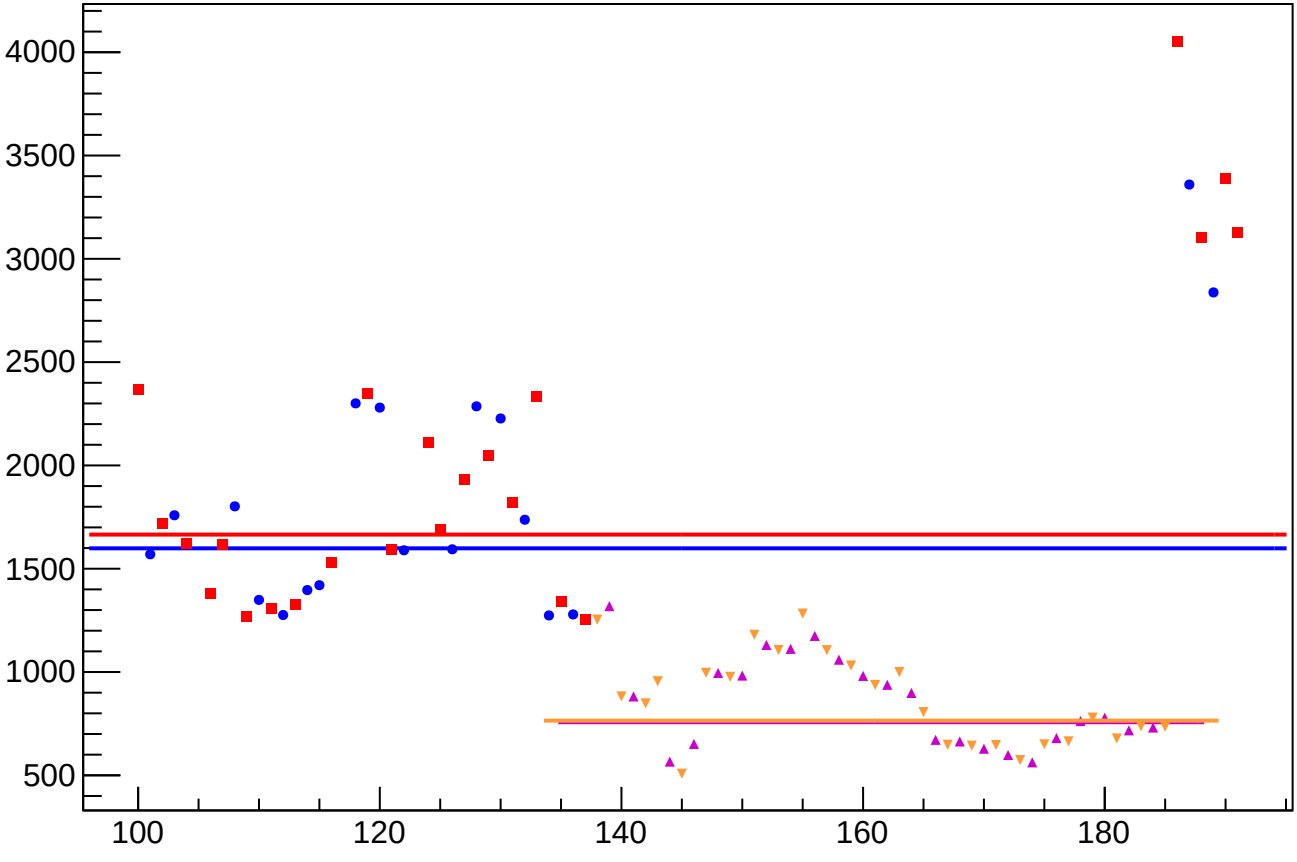
Left In: -113.680+/-183.126 χ^2/NDF:26.3/22

\+ sign -786.479+/-172.010 χ^2/NDF: 93.6/42

All: -509.677+/-122.434 χ^2/NDF: 148.0/88

\- sign -225.426+/-174.309 χ^2/NDF: 49.1/45

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: 1665.246+/-0.402 χ^2/NDF: 1597799.3/22

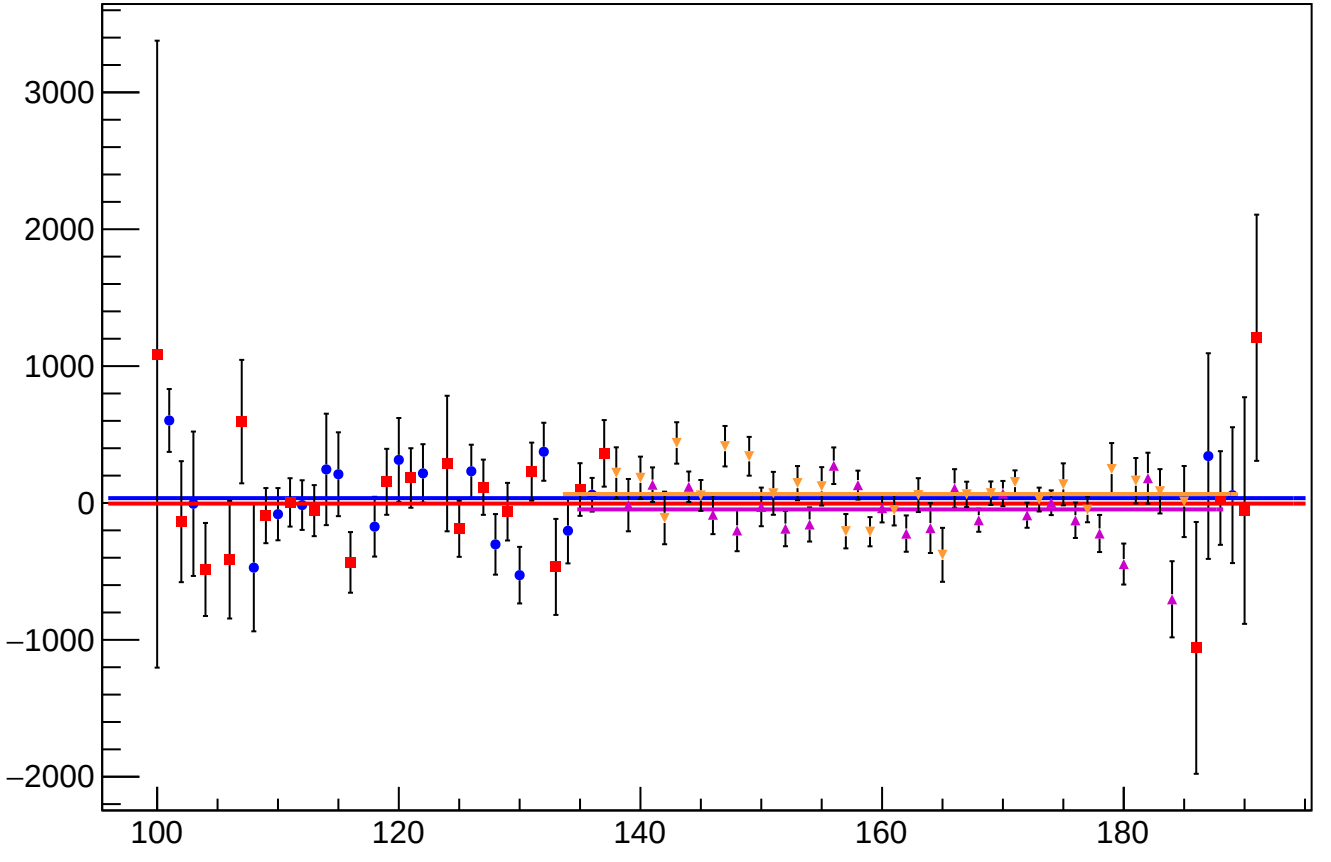
Left In: 756.927+/-0.129 χ^2/NDF:2115280.1/22

+ sign 836.256+/-0.122 χ^2/NDF: 7027129.4/42

All: 839.230+/-0.087 χ^2/NDF: 15365353.8/88

- sign 842.284+/-0.123 χ^2/NDF: 8337012.6/45

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: -4.446+/-55.026 χ^2/NDF: 20.5/22

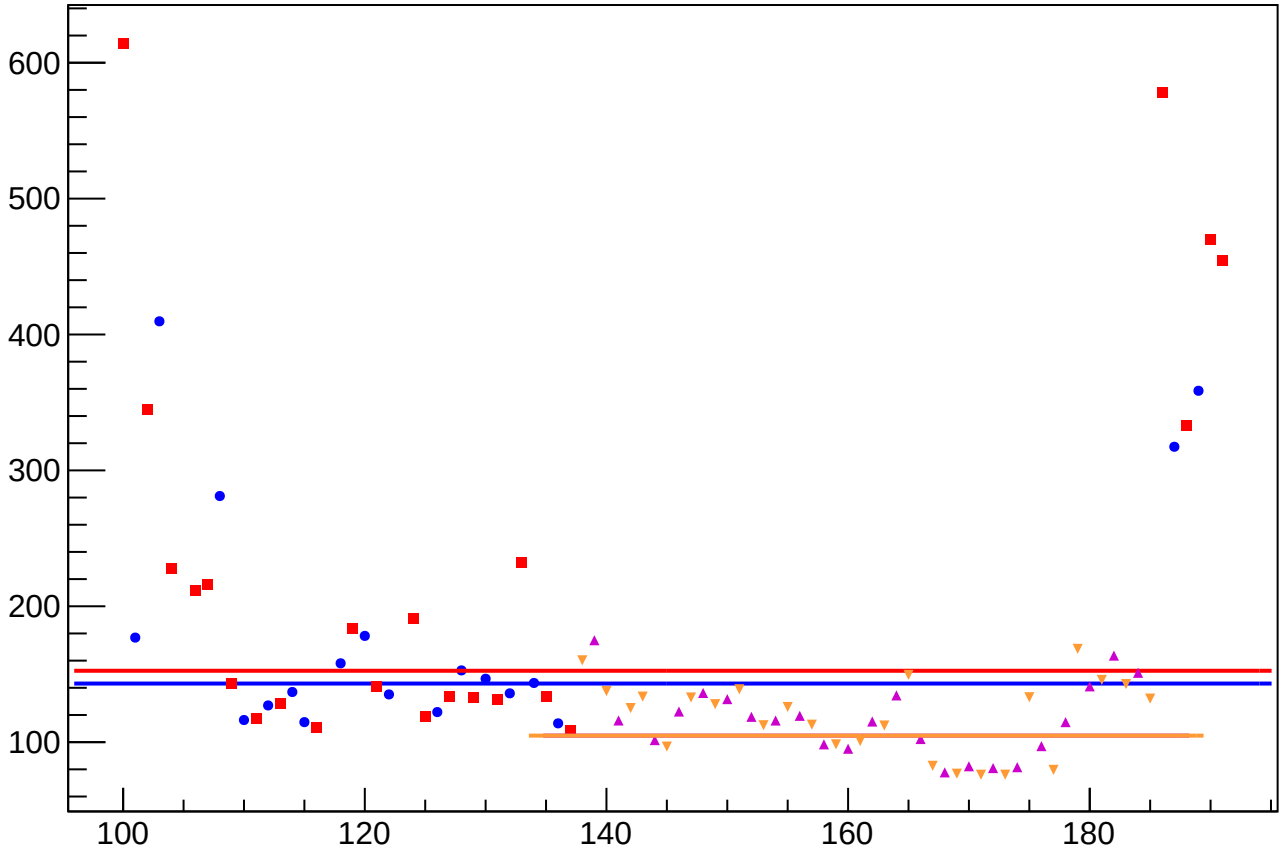
Left In: -47.038+/-25.696 χ^2/NDF:38.6/22

+ sign 60.399+/-22.763 χ^2/NDF: 65.6/42

All: 11.620+/-16.276 χ^2/NDF: 134.6/88

- sign -39.412+/-23.283 χ^2/NDF: 59.6/45

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: 152.544+/-0.039 χ^2/NDF: 2672968.8/22

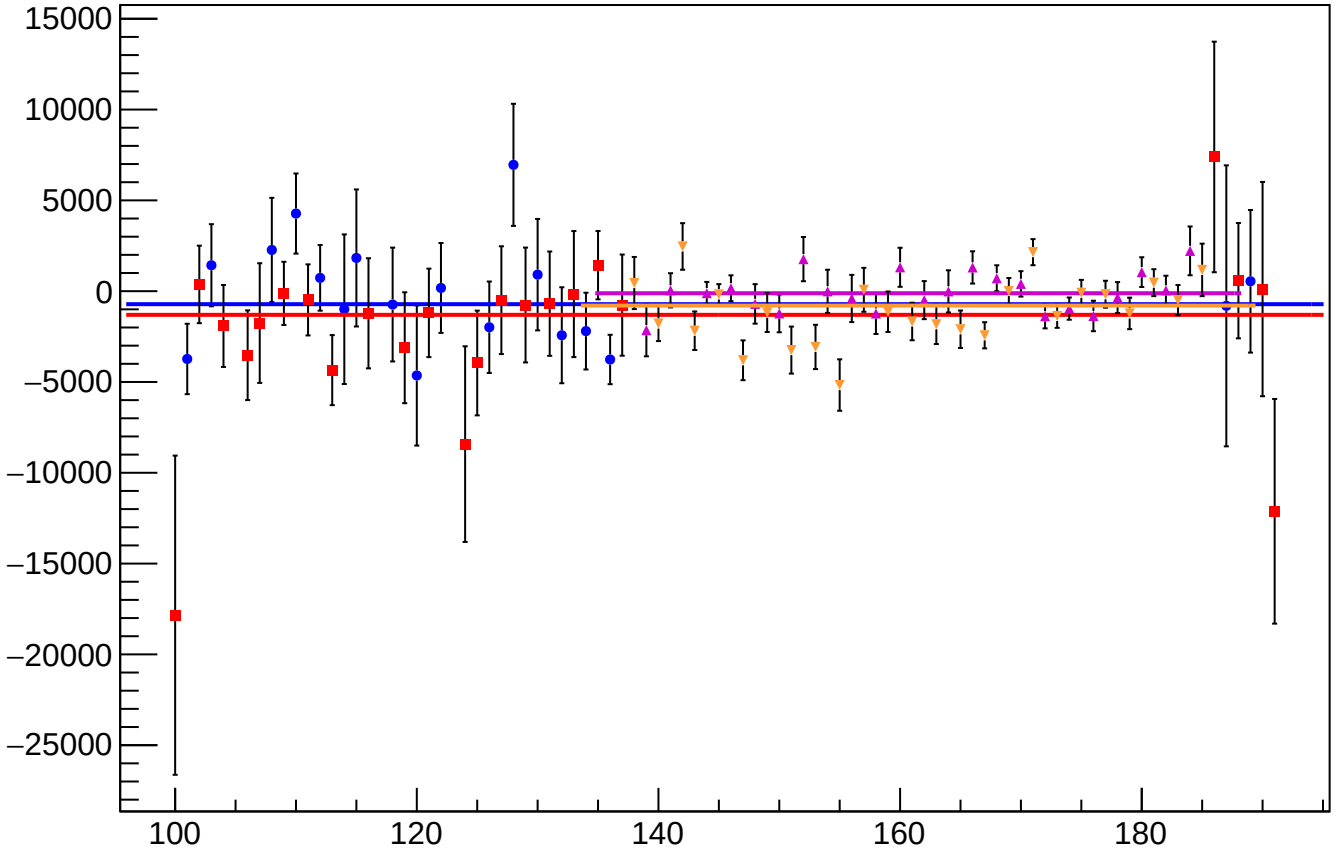
Left In: 104.835+/-0.018 χ^2/NDF:1614484.2/22

+ sign 111.513+/-0.016 χ^2/NDF: 4530597.4/42

All: 112.424+/-0.012 χ^2/NDF: 10058926.5/88

- sign 113.376+/-0.016 χ^2/NDF: 5521777.0/45

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: -1302.814+/-568.615 χ^2/NDF: 18.9/22

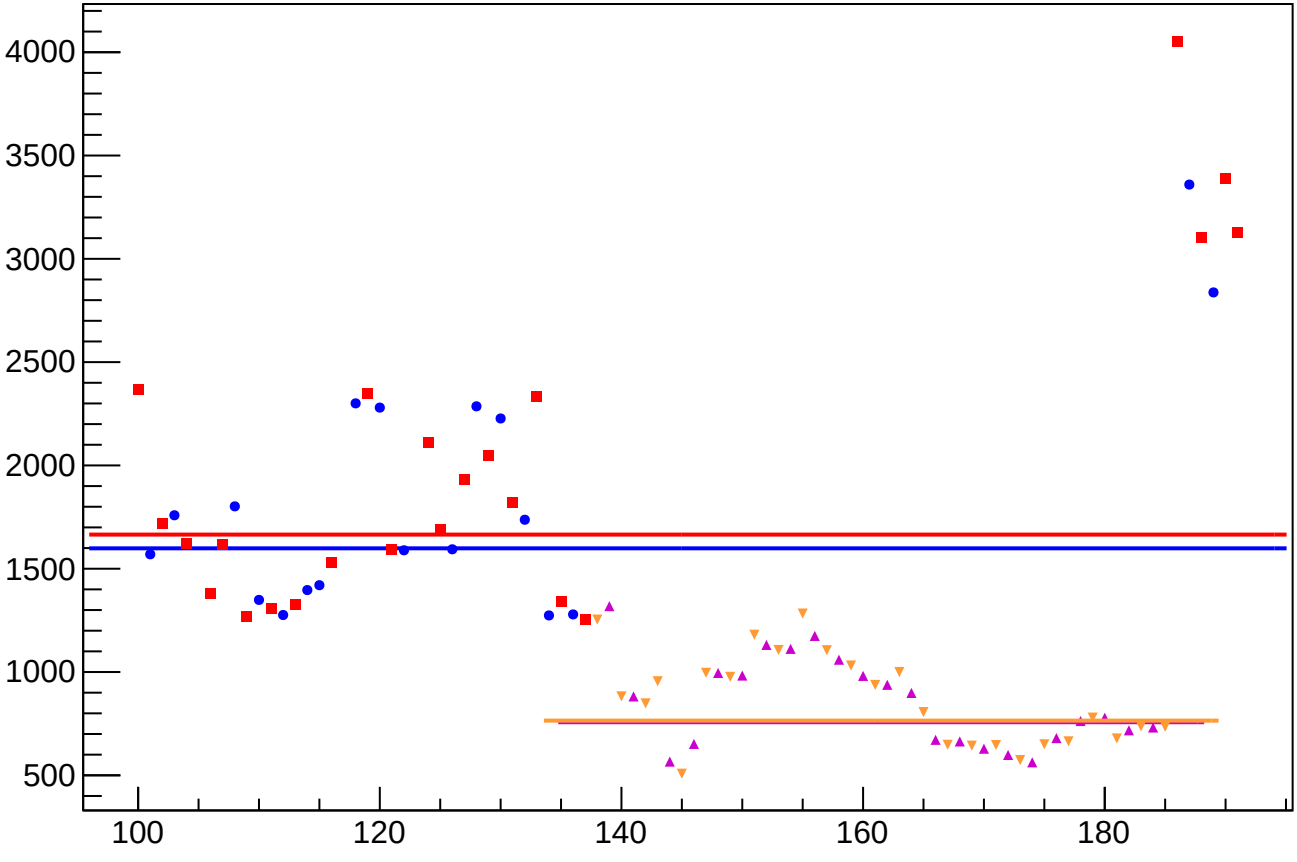
Left In: -113.680+/-183.125 χ^2/NDF:26.3/22

+ sign -786.479+/-172.010 χ^2/NDF: 93.6/42

All: -509.678+/-122.434 χ^2/NDF: 148.0/88

- sign -225.426+/-174.309 χ^2/NDF: 49.1/45

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: 1665.244+/-0.402 χ^2/NDF: 1597797.4/22

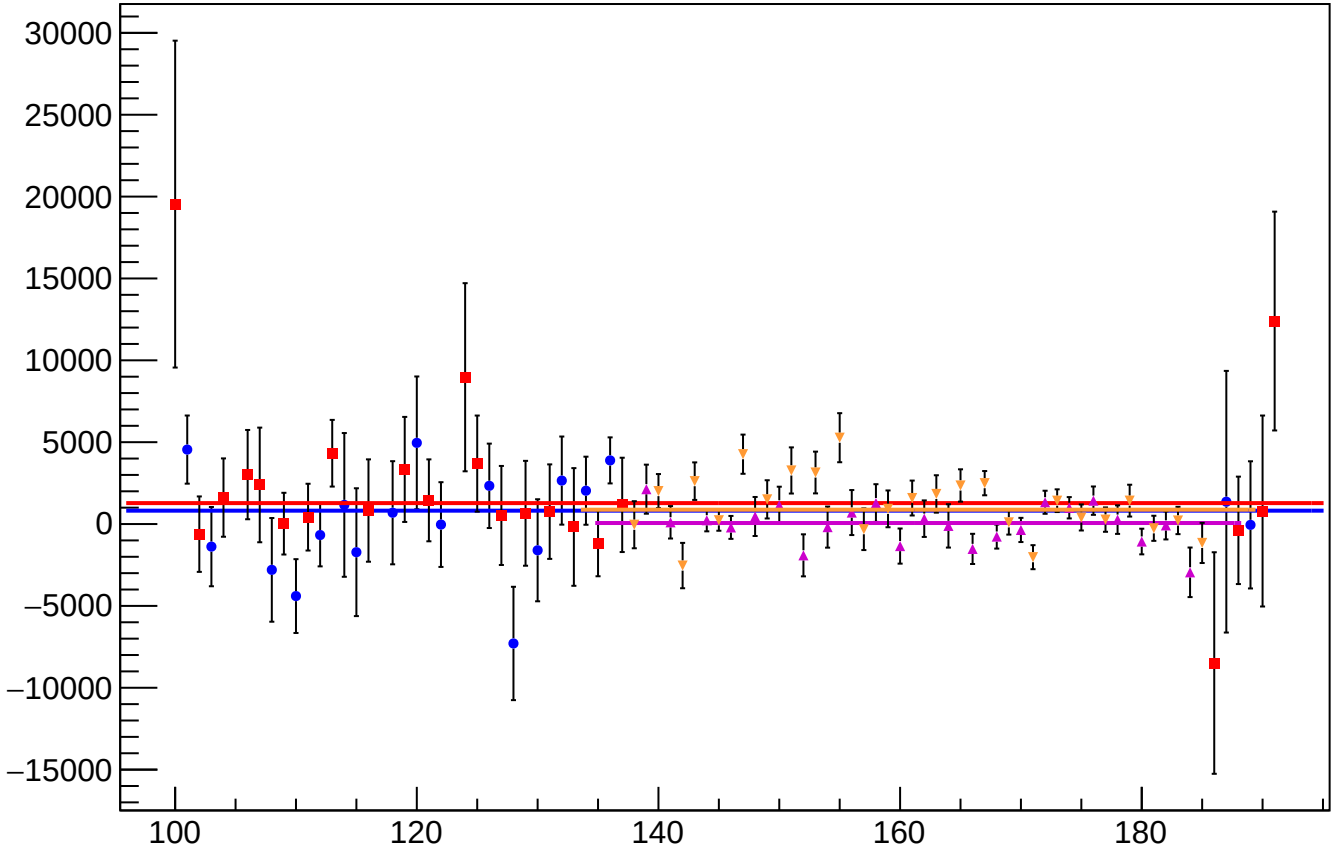
Left In: 756.926+/-0.129 χ^2/NDF:2115275.0/22

+ sign 836.255+/-0.122 χ^2/NDF: 7027121.3/42

All: 839.229+/-0.087 χ^2/NDF: 15365334.6/88

- sign 842.283+/-0.123 χ^2/NDF: 8337001.5/45

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: 1278.920+/-597.804 χ^2/NDF: 17.2/22

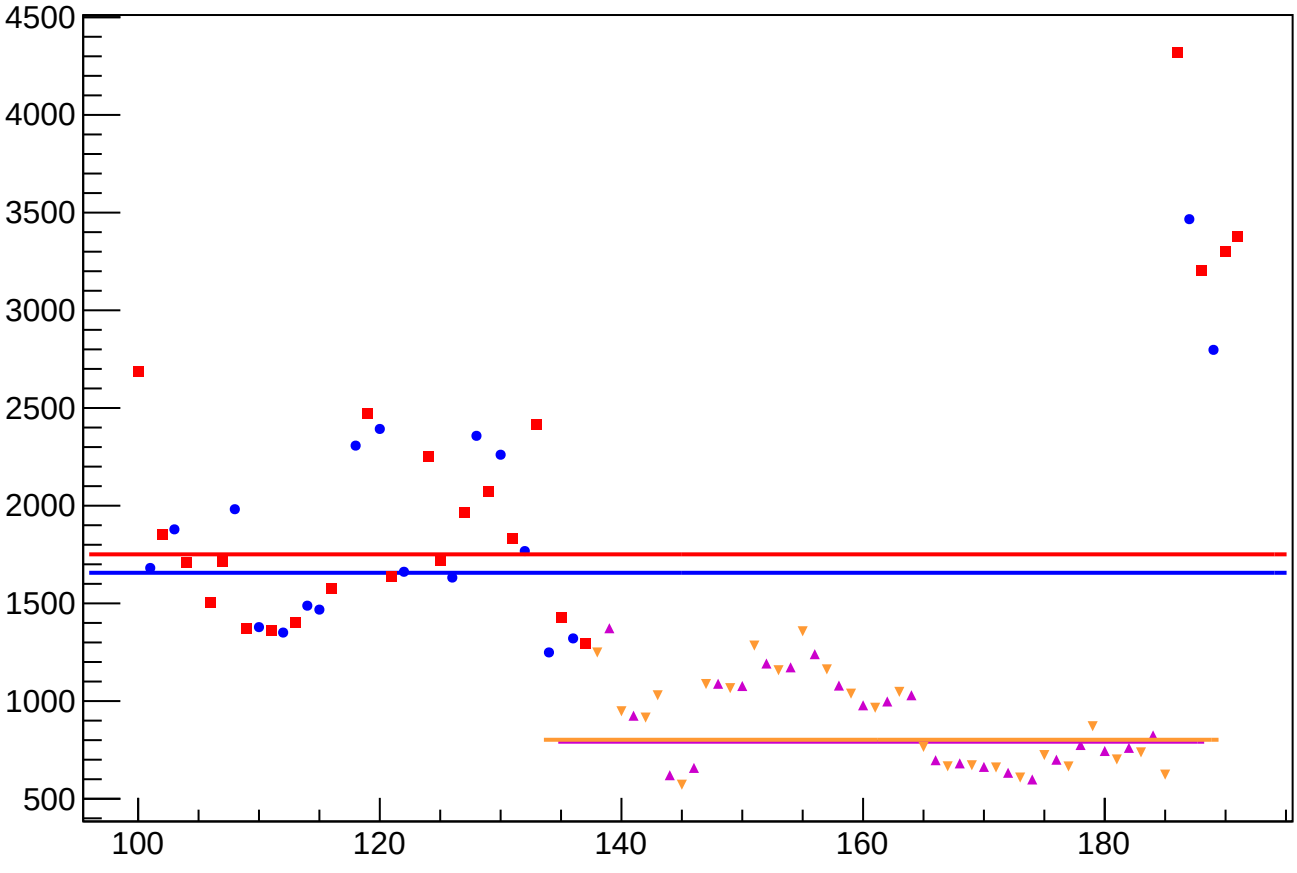
Left In: 62.754+/-191.596 χ^2/NDF:27.1/22

+ sign 871.240+/-180.513 χ^2/NDF: 92.2/42

All: 527.359+/-128.323 χ^2/NDF: 147.7/88

- sign 176.042+/-182.454 χ^2/NDF: 48.1/45

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

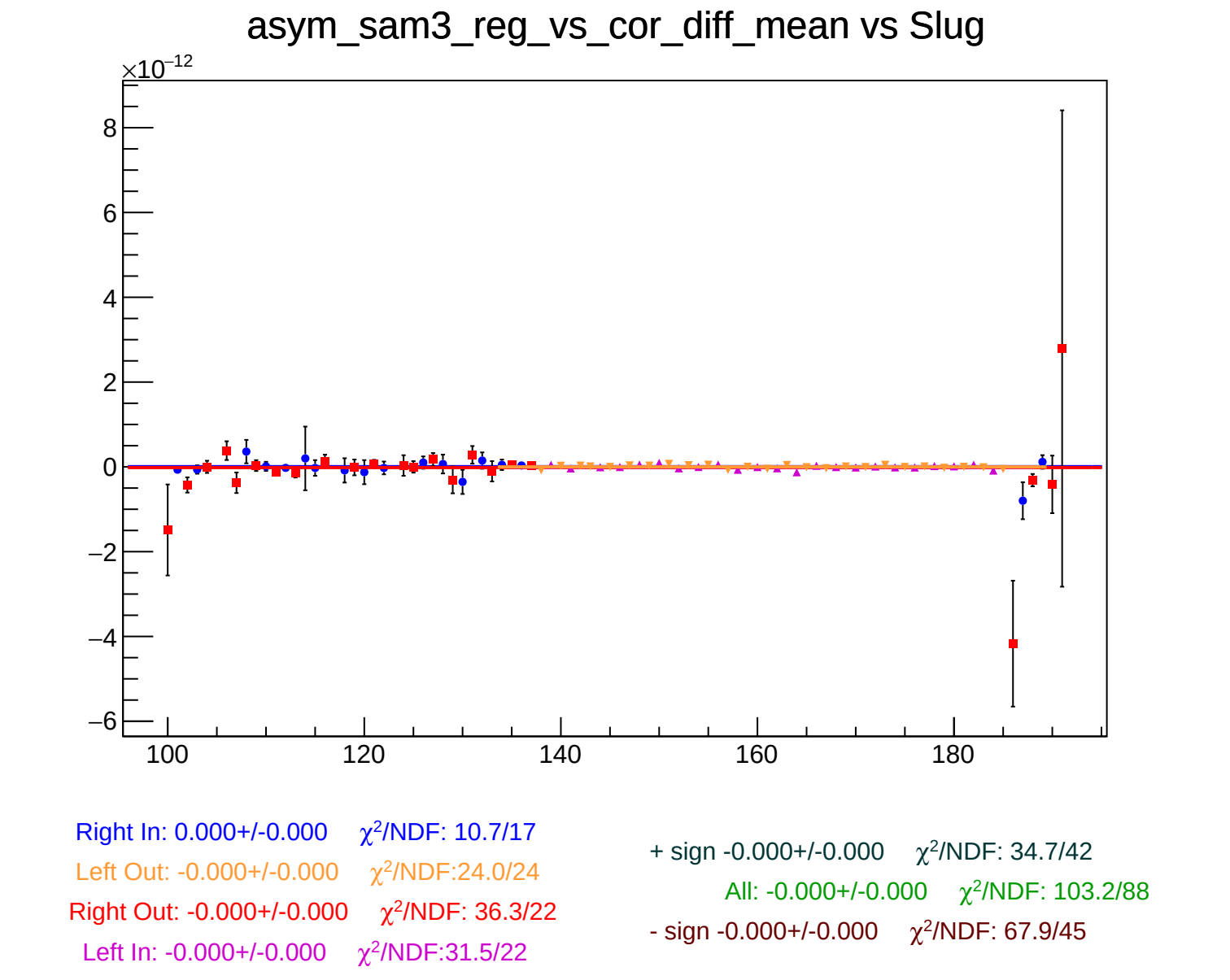
Right Out: 1751.003+/-0.423 χ^2/NDF: 1520913.8/22

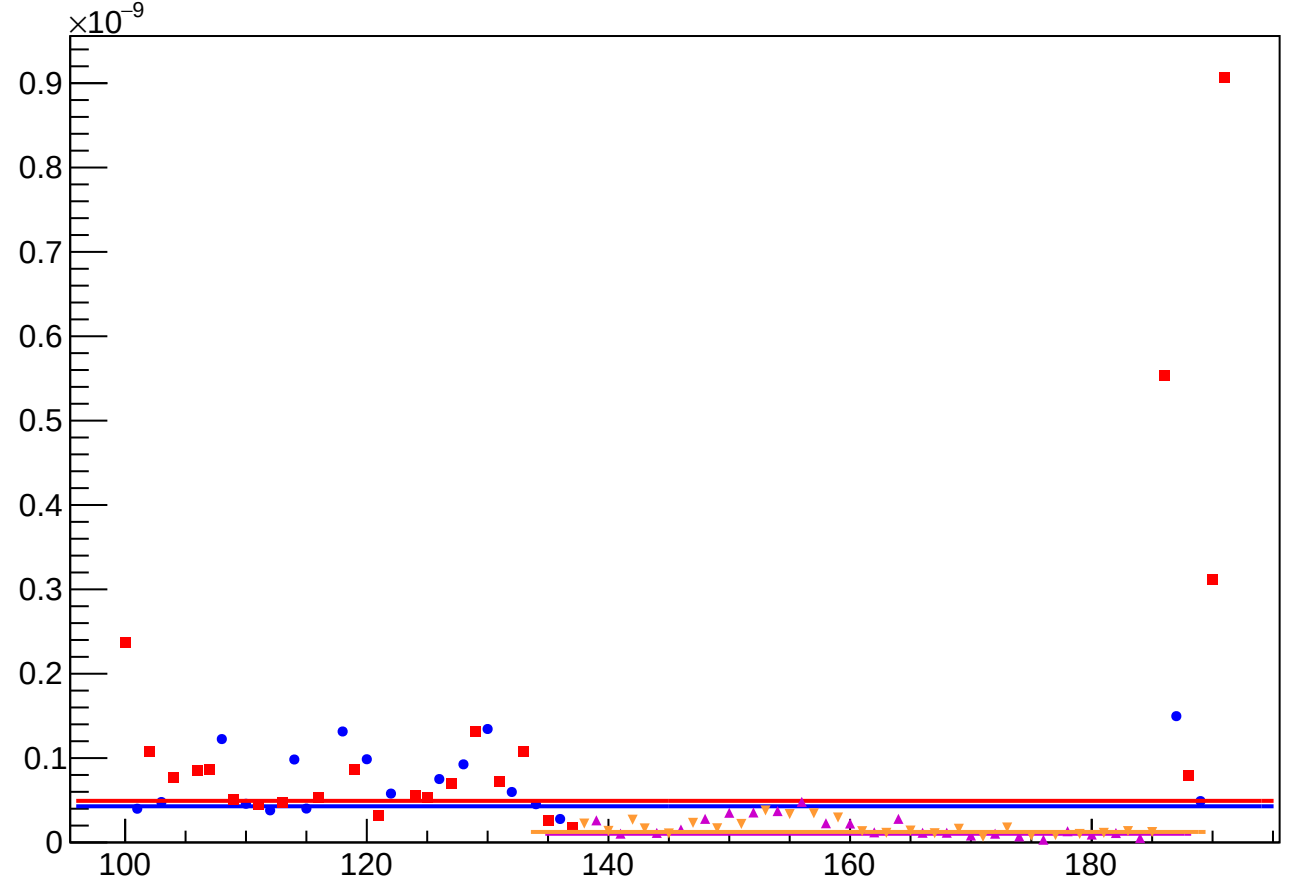
Left In: 792.060+/-0.135 χ^2/NDF:2135575.6/22

+ sign 877.025+/-0.128 χ^2/NDF: 6891009.0/42

All: 879.183+/-0.091 χ^2/NDF: 15215021.8/88

- sign 881.388+/-0.129 χ^2/NDF: 8323435.1/45


asym_sam3_reg_vs_cor_diff_mean vs Slug
×10^−12
8
6
4
2
0
−2
−4
−6
100
120
140
160
180
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: 36.3/22
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: 103.2/88
- sign -0.000+/-0.000 χ²/NDF: 67.9/45



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: 2081712.3/22

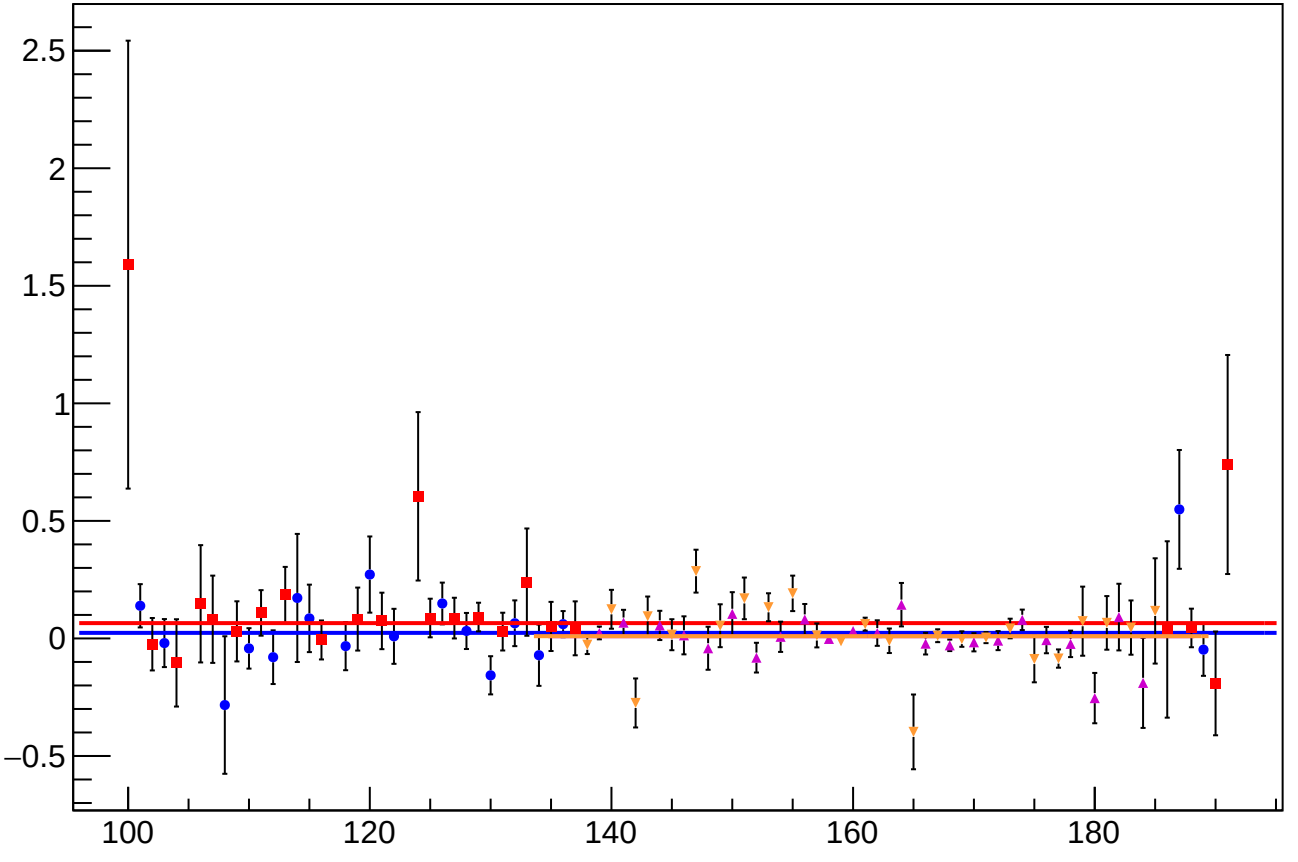
Left In: 0.000+/-0.000 χ^2/NDF:3679061.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 5952791.2/42

All: 0.000+/-0.000 χ^2/NDF: 15283016.8/88

- sign 0.000+/-0.000 χ^2/NDF: 9131809.2/45

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: 0.065+/-0.024 χ^2/NDF: 13.1/22

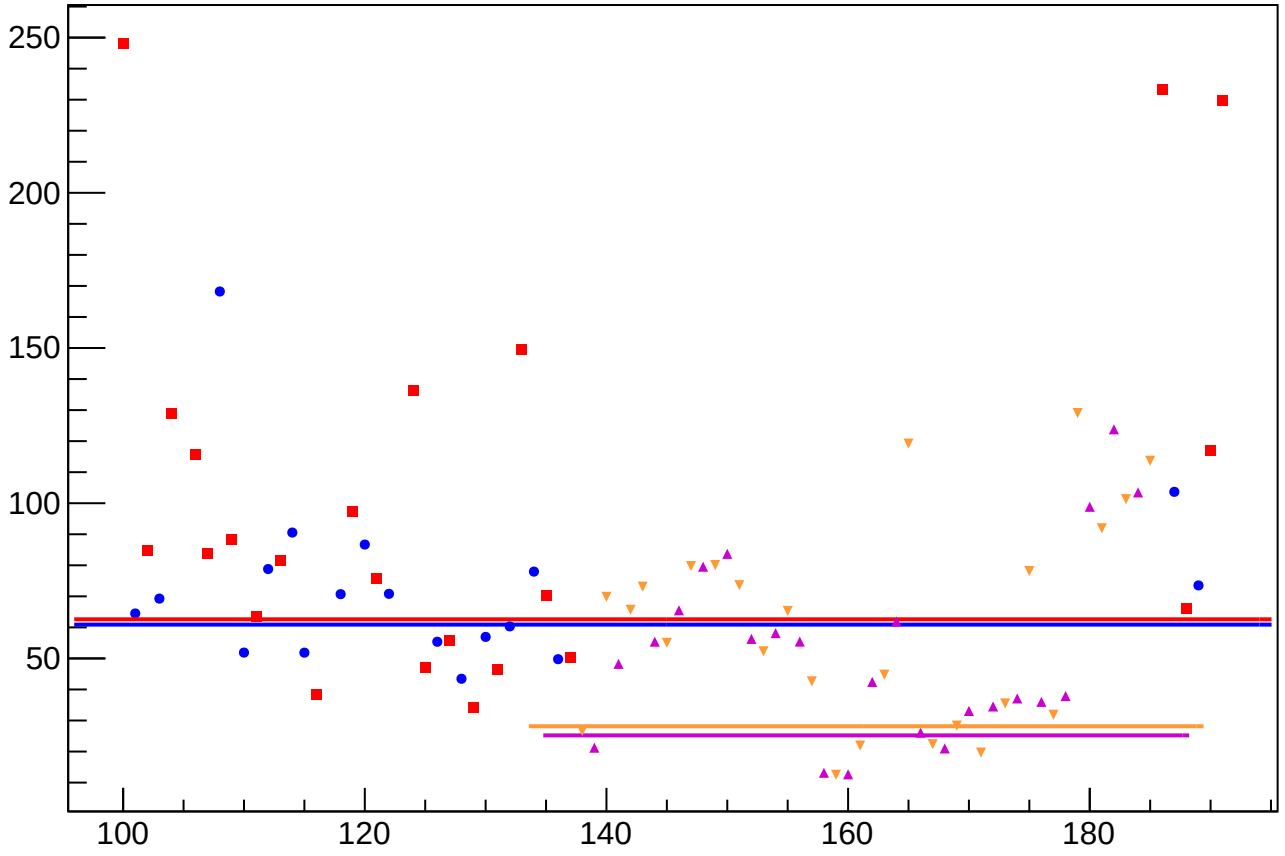
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.011+/-0.008 χ^2/NDF: 75.2/42

All: 0.013+/-0.005 χ^2/NDF: 118.5/88

- sign 0.015+/-0.008 χ^2/NDF: 43.2/45

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: 62.602+/-0.017 χ^2/NDF: 2791729.0/22

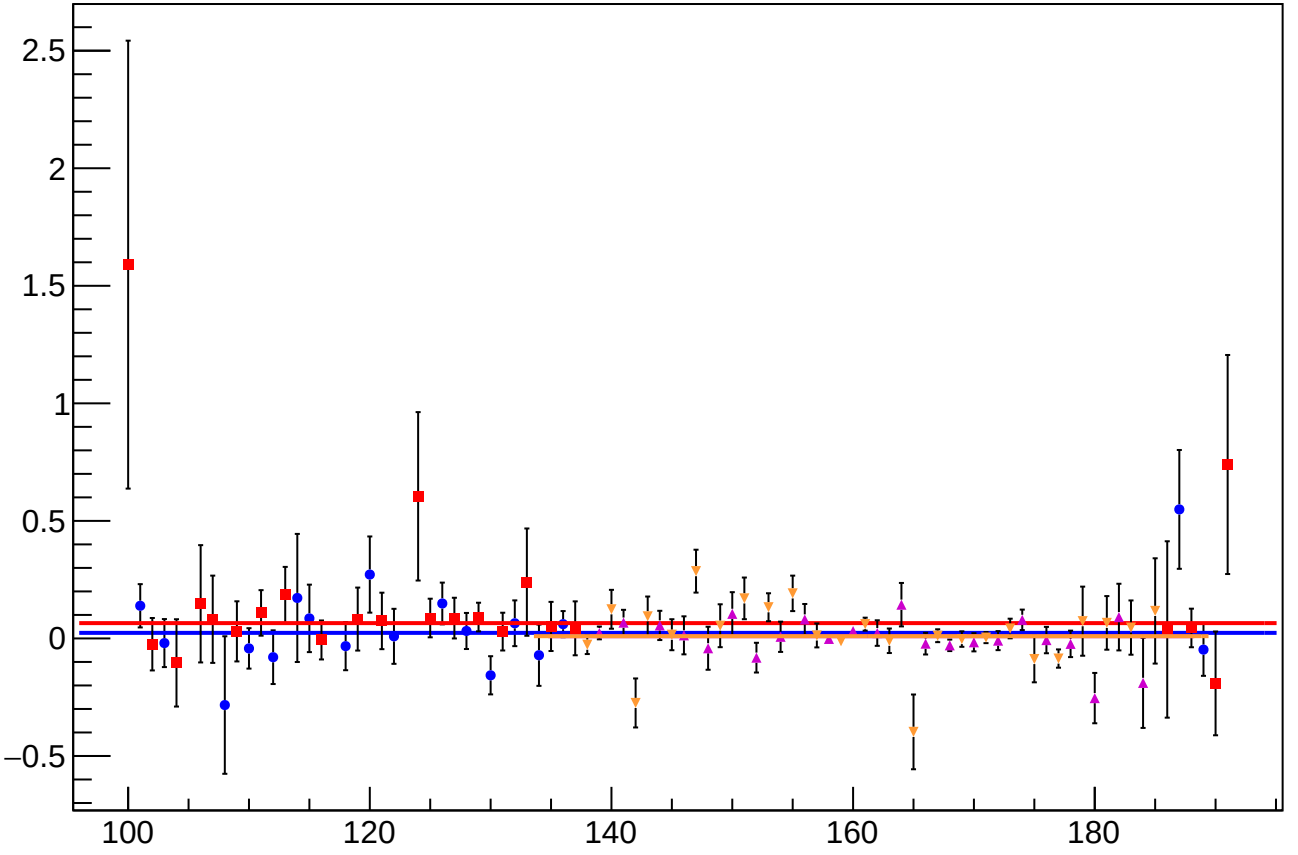
Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

+ sign 31.773+/-0.006 χ^2/NDF: 15171915.1/42

All: 30.252+/-0.004 χ^2/NDF: 32465625.5/88

- sign 28.900+/-0.005 χ^2/NDF: 17156379.8/45

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: 0.065+/-0.024 χ^2/NDF: 13.1/22

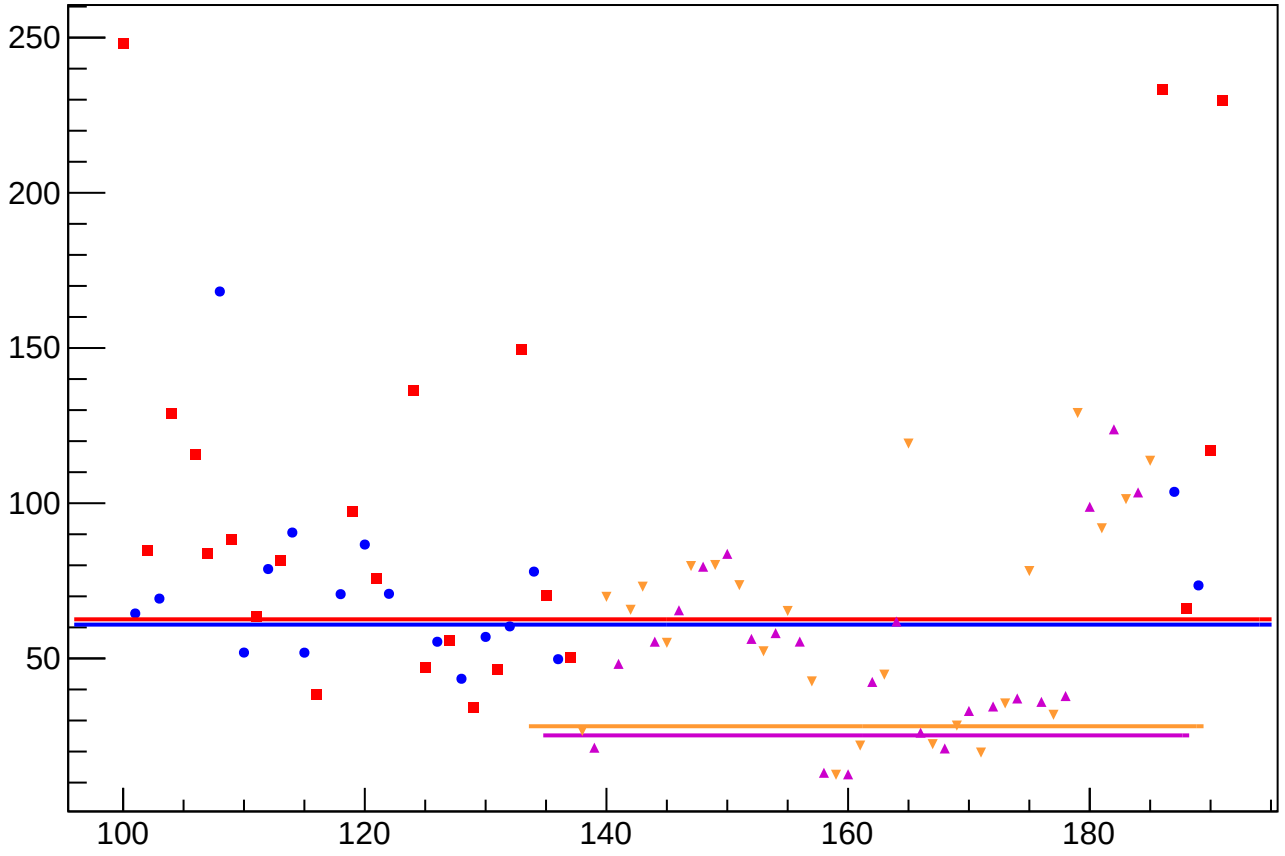
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.011+/-0.008 χ^2/NDF: 75.2/42

All: 0.013+/-0.005 χ^2/NDF: 118.5/88

- sign 0.015+/-0.008 χ^2/NDF: 43.2/45

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: 62.602+/-0.017 χ^2/NDF: 2791729.0/22

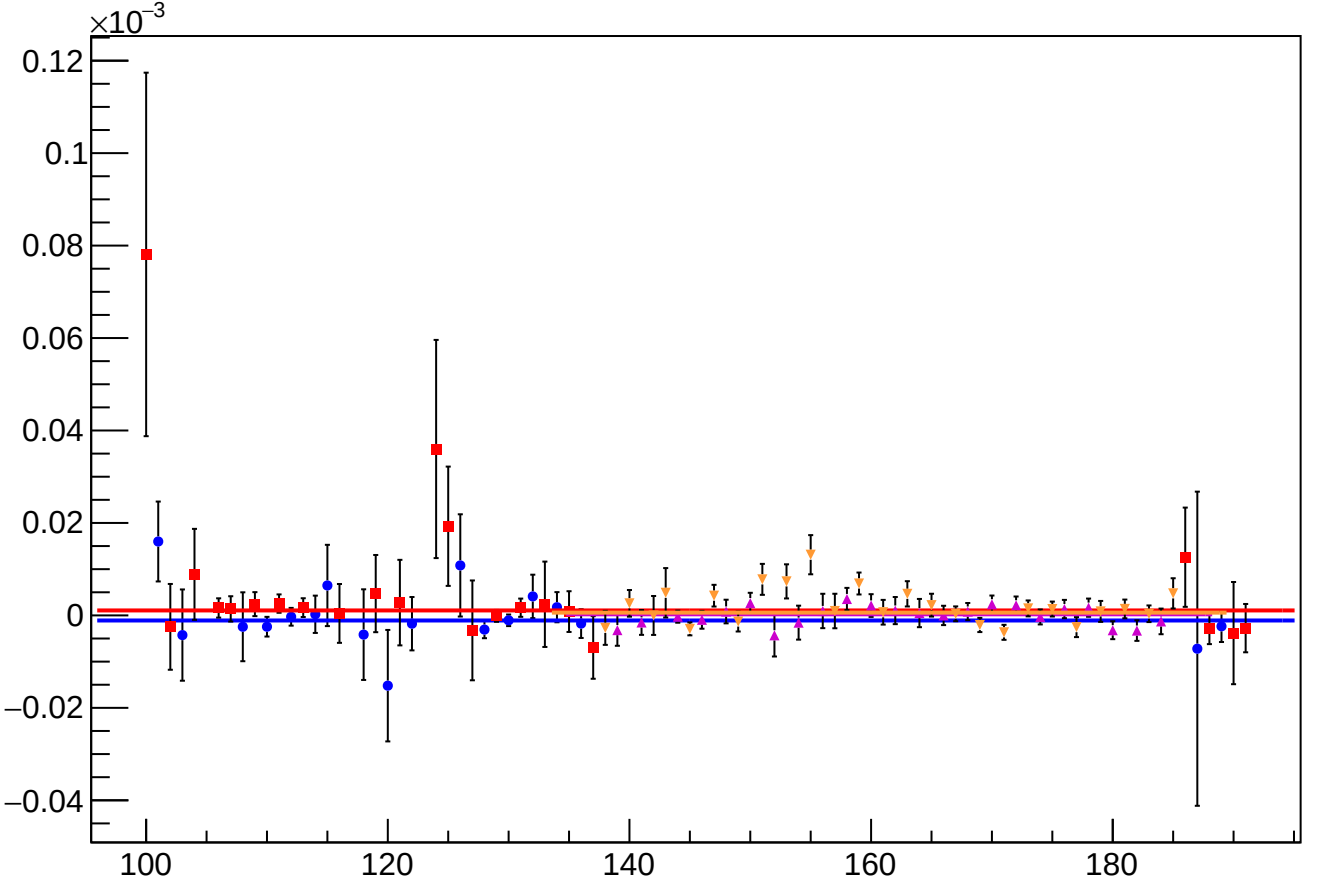
Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

+ sign 31.773+/-0.006 χ^2/NDF: 15171915.1/42

All: 30.252+/-0.004 χ^2/NDF: 32465625.5/88

- sign 28.900+/-0.005 χ^2/NDF: 17156379.8/45

asym_sam3_eigen_dit_vs_dit_diff_mean vs Slug



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: 15.8/22

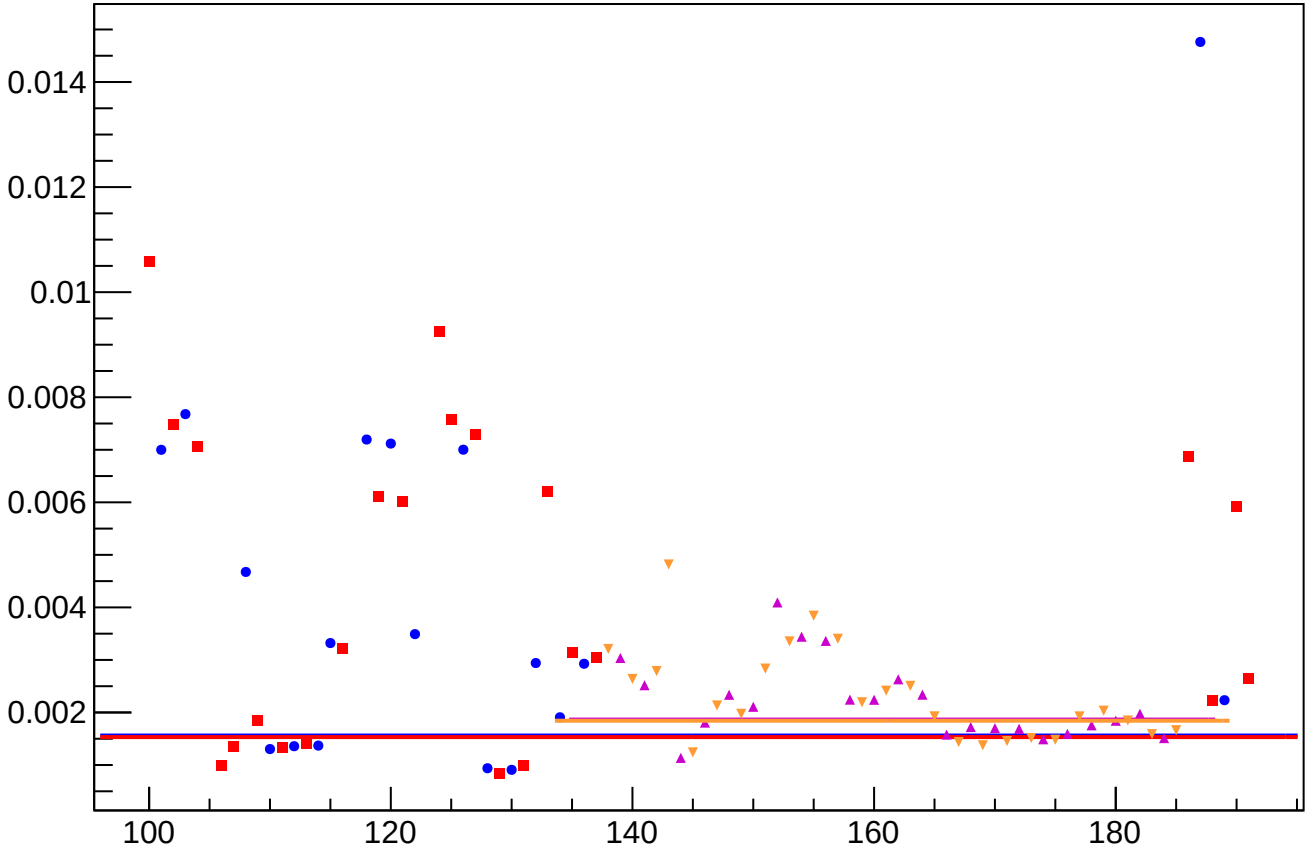
Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.8/42

All: 0.000+/-0.000 χ^2/NDF: 101.7/88

- sign 0.000+/-0.000 χ^2/NDF: 33.4/45

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: 0.002+/-0.000 χ^2/NDF: 6812164.0/22

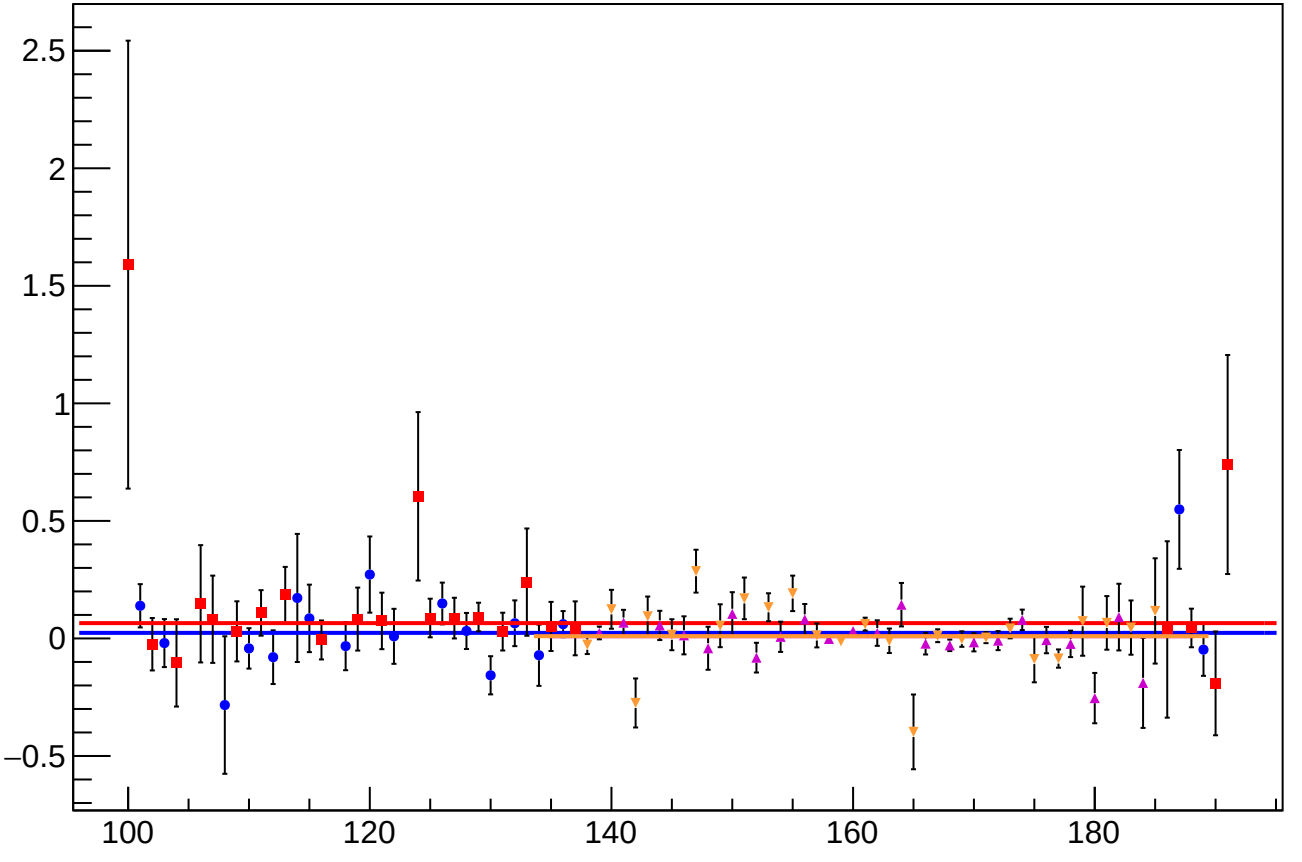
Left In: 0.002+/-0.000 χ^2/NDF:2794135.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 9573550.0/42

All: 0.002+/-0.000 χ^2/NDF: 19513721.4/88

- sign 0.002+/-0.000 χ^2/NDF: 9939929.3/45

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: 0.065+/-0.024 χ^2/NDF: 13.1/22

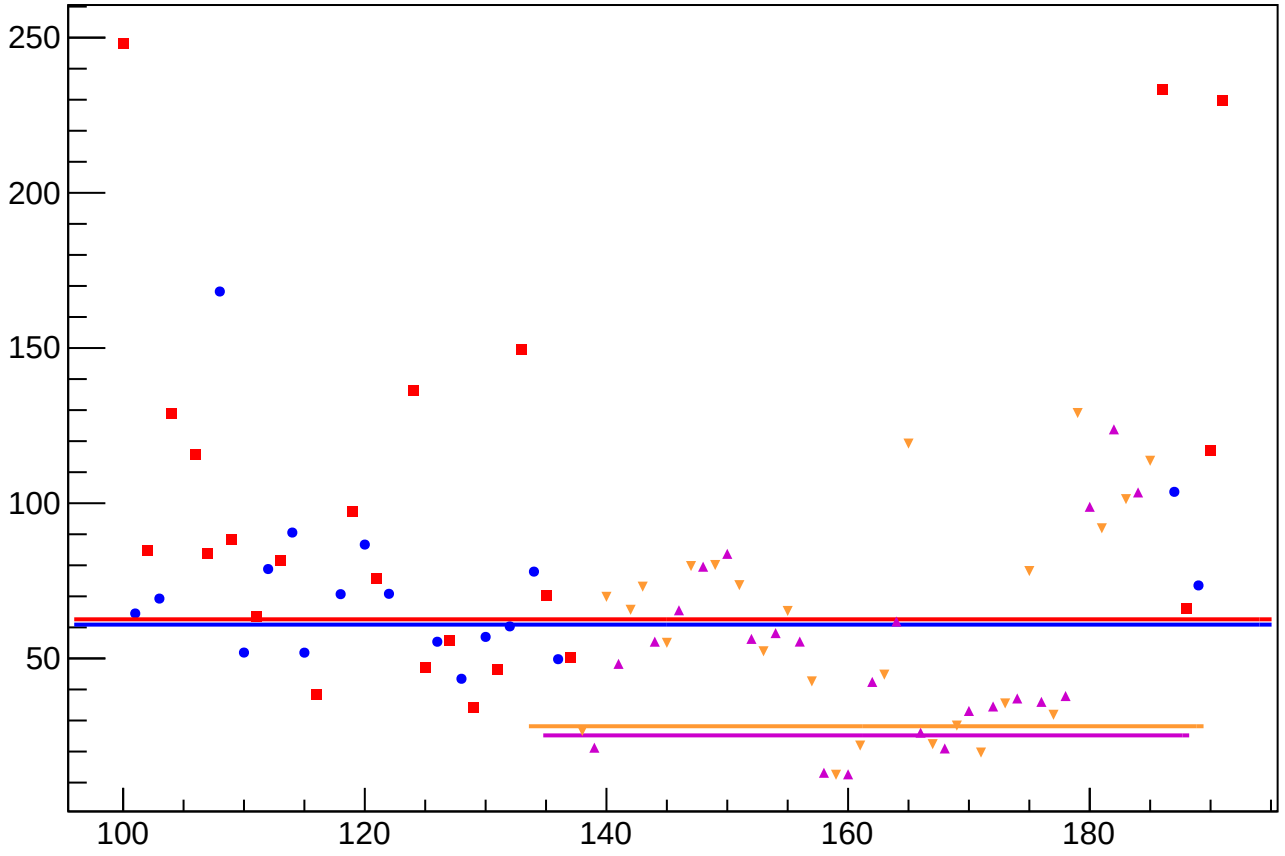
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.011+/-0.008 χ^2/NDF: 75.2/42

All: 0.013+/-0.005 χ^2/NDF: 118.5/88

- sign 0.015+/-0.008 χ^2/NDF: 43.2/45

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

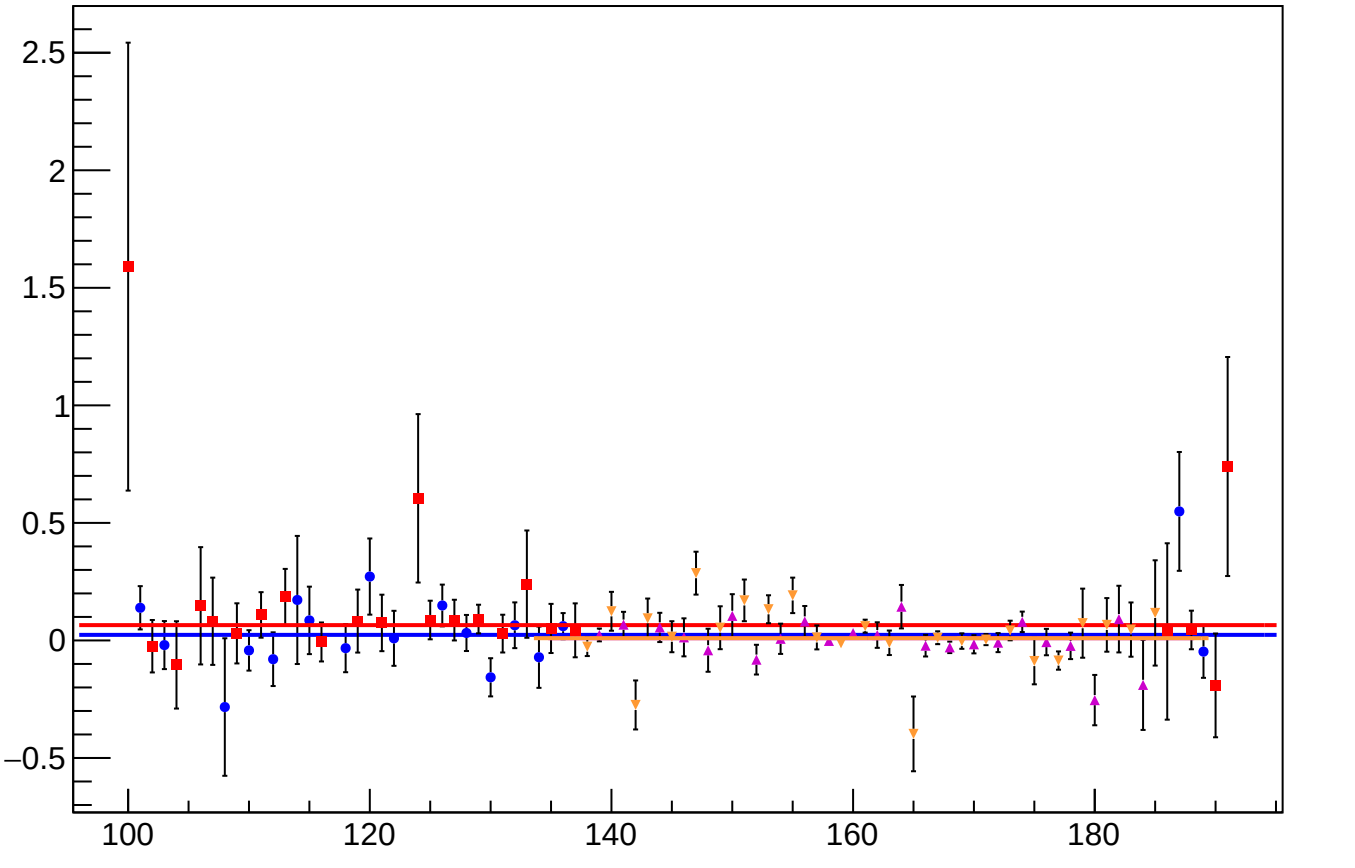
Right Out: 62.603+/-0.017 χ^2/NDF: 2791795.4/22

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

+ sign 31.772+/-0.006 χ^2/NDF: 15173369.9/42

All: 30.252+/-0.004 χ^2/NDF: 32467771.2/88

- sign 28.900+/-0.005 χ^2/NDF: 17157147.8/45



Right In: 0.024+/-0.024 χ^2/NDF: 20.2/17

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

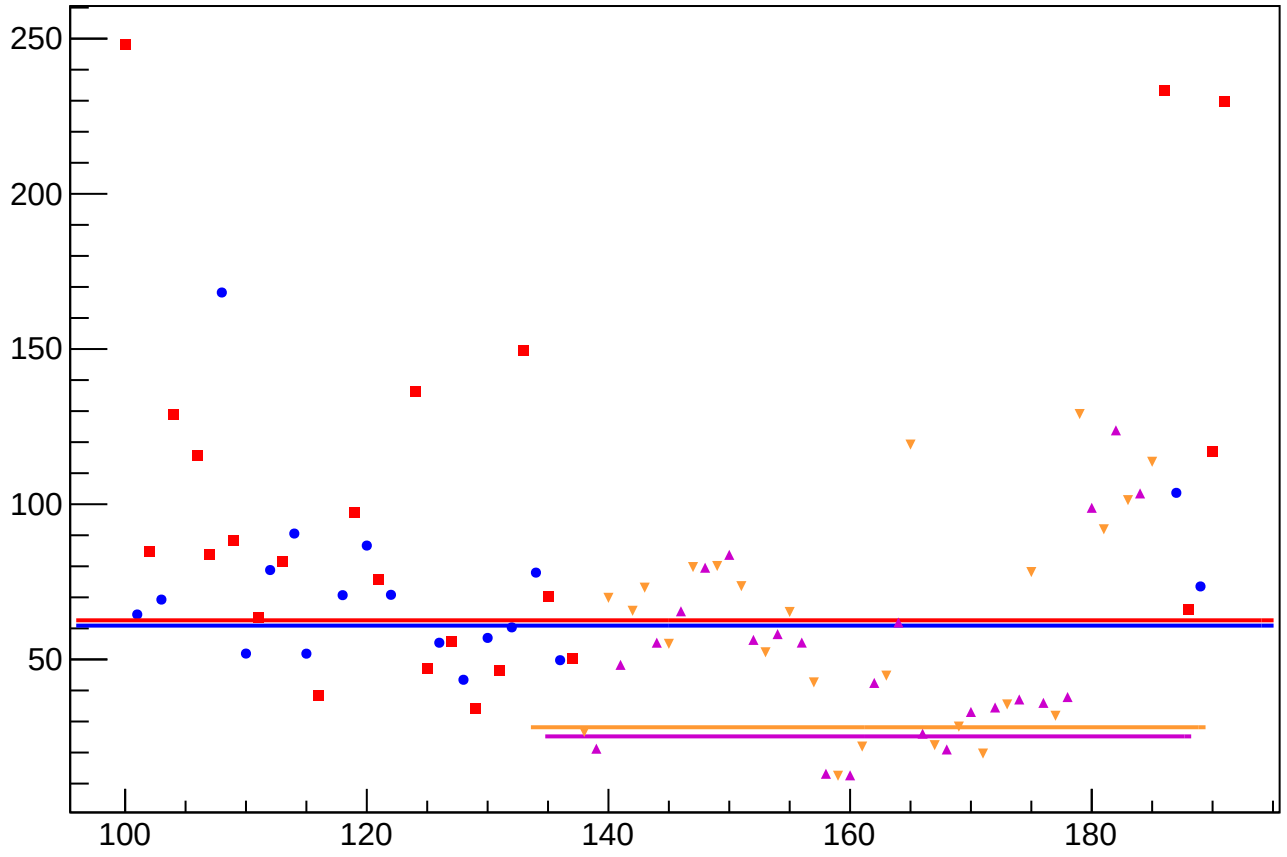
Right Out: 0.065+/-0.024 χ^2/NDF: 13.1/22

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: 118.5/88

- sign 0.015+/-0.008 χ^2/NDF: 43.2/45



Right In: 60.895+/-0.017 χ^2/NDF: 785423.4/17

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

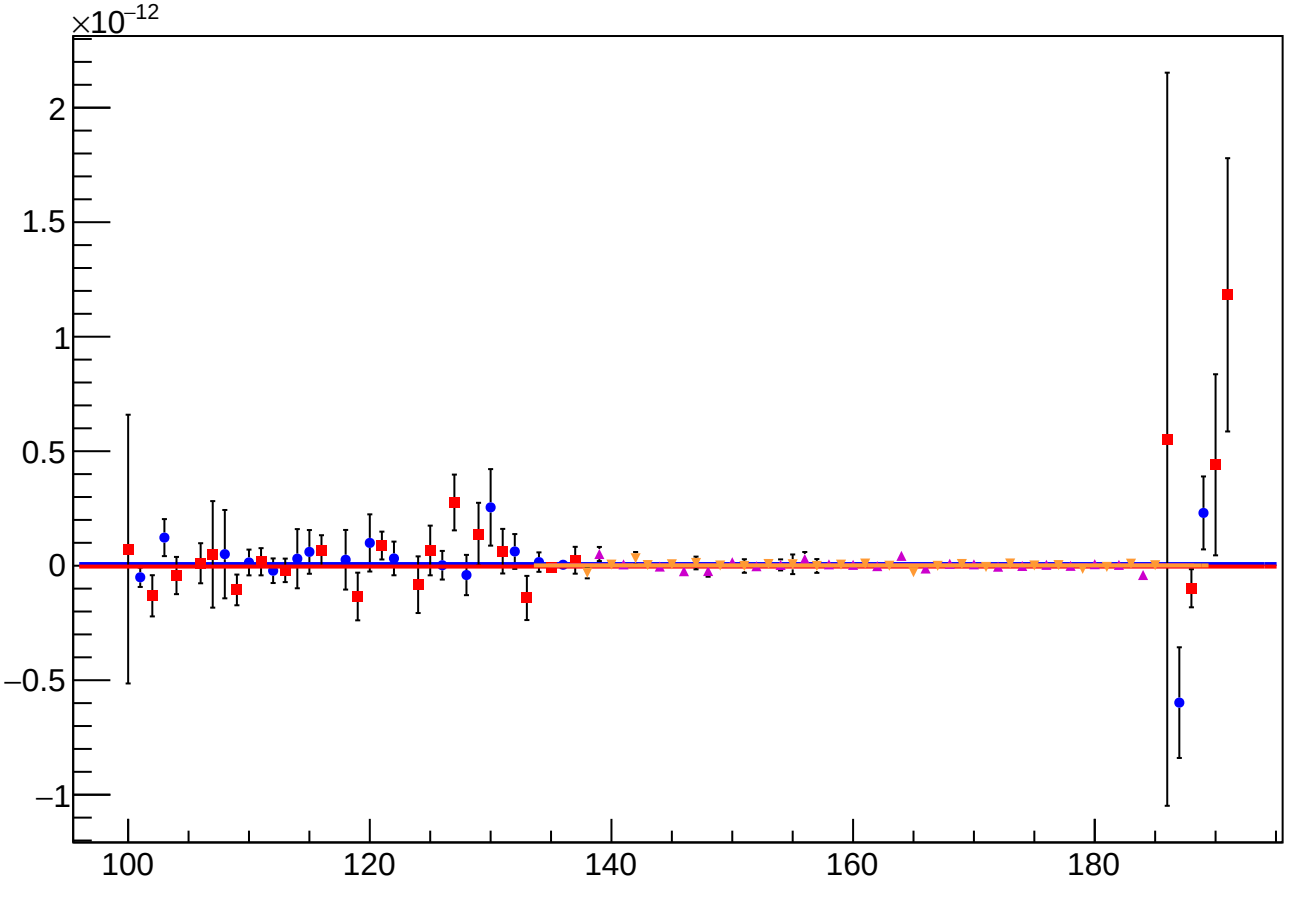
Right Out: 62.603+/-0.017 χ^2/NDF: 2791795.4/22

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

+ sign 31.772+/-0.006 χ^2/NDF: 15173369.9/42

All: 30.252+/-0.004 χ^2/NDF: 32467771.2/88

- sign 28.900+/-0.005 χ^2/NDF: 17157147.8/45



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

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/24

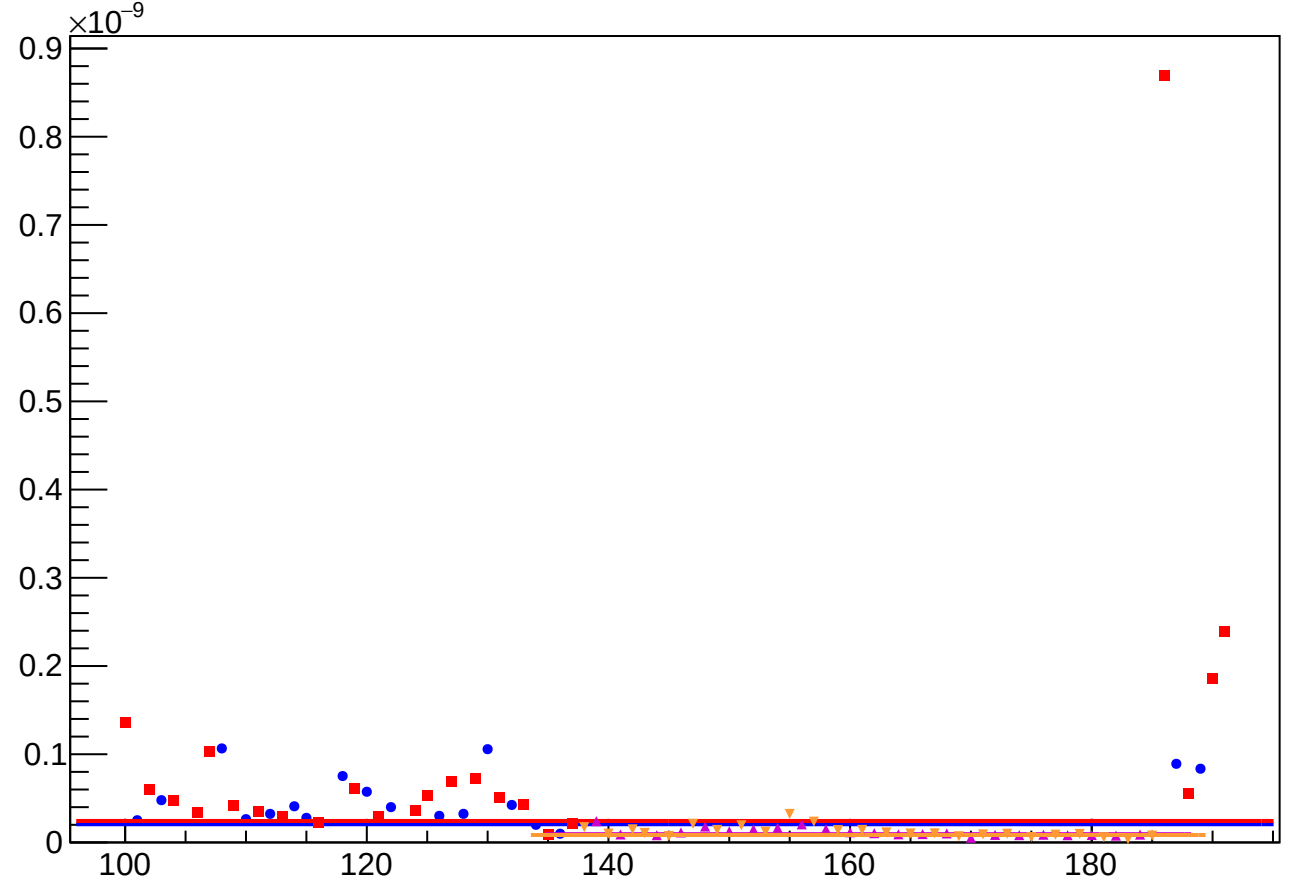
Right Out: -0.000+/-0.000 χ^2/NDF: 26.3/22

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: 75.4/88

- sign 0.000+/-0.000 χ^2/NDF: 47.3/45



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: 4971566.1/22

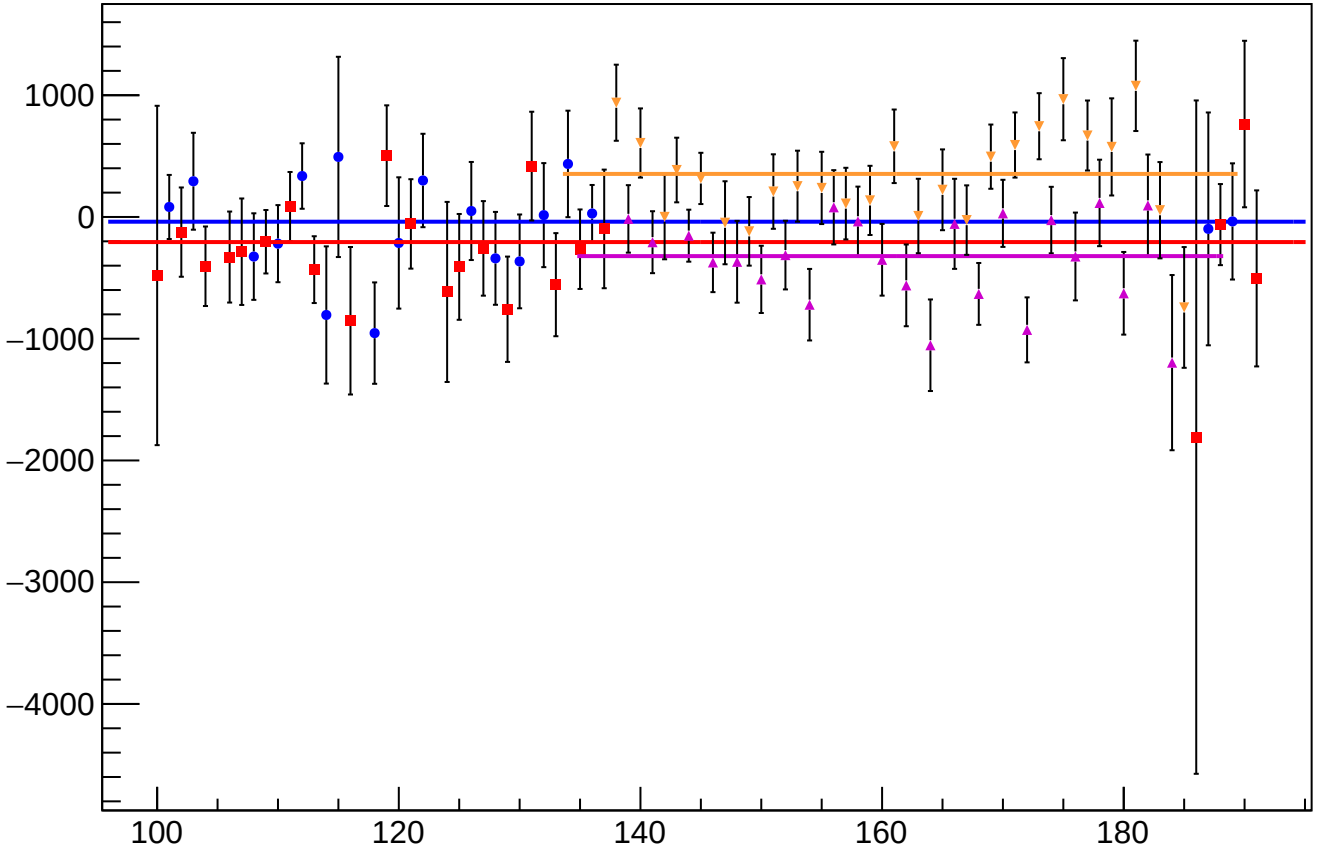
Left In: 0.000+/-0.000 χ^2/NDF:2146041.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 9870274.3/42

All: 0.000+/-0.000 χ^2/NDF: 19526348.3/88

- sign 0.000+/-0.000 χ^2/NDF: 9518637.8/45

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: -206.176+/-83.741 χ^2/NDF: 14.2/22

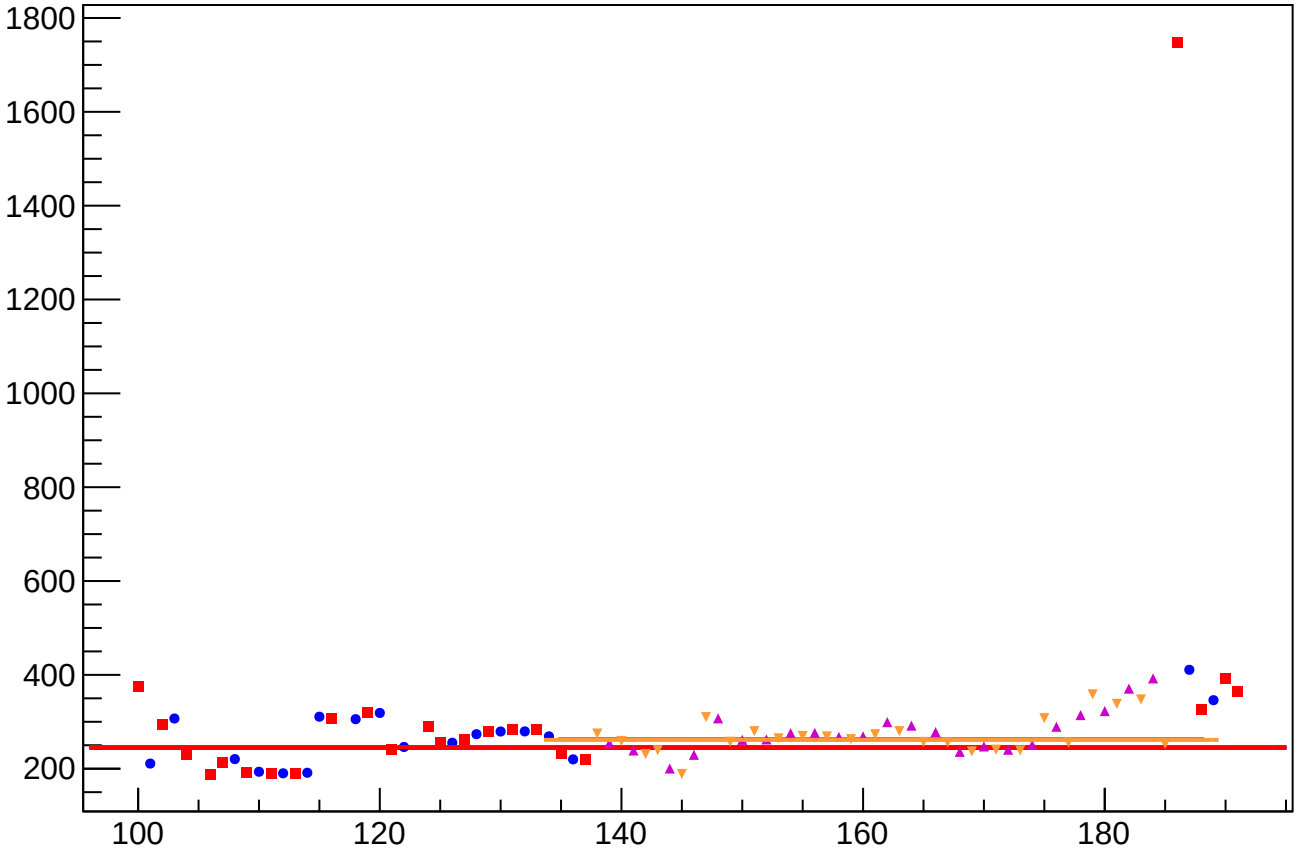
Left In: -321.510+/-62.113 χ^2/NDF:26.2/22

+ sign 229.856+/-49.772 χ^2/NDF: 60.2/42

All: -24.770+/-35.235 χ^2/NDF: 154.3/88

- sign -280.577+/-49.888 χ^2/NDF: 41.6/45

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: 246.097+/-0.059 χ^2/NDF: 1364097.1/22

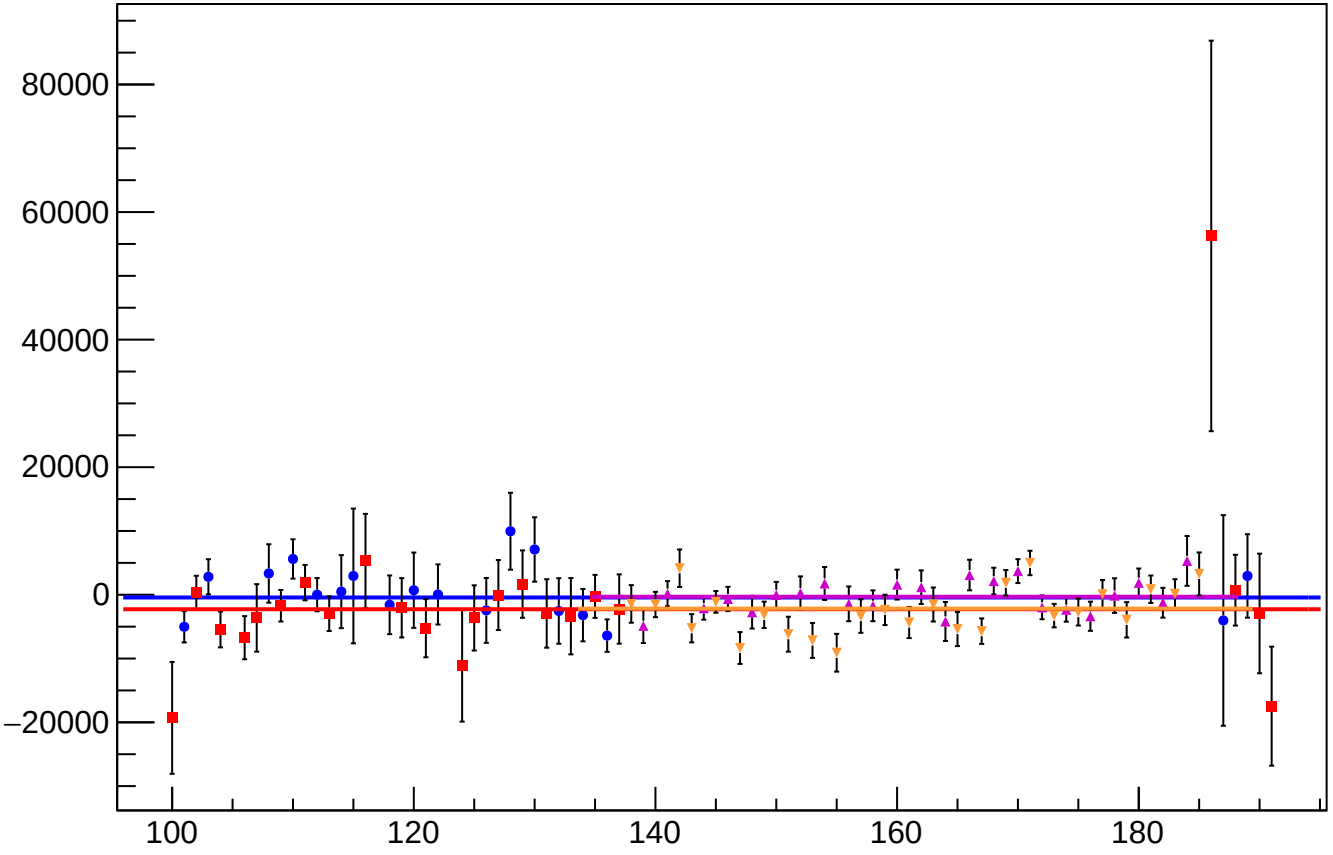
Left In: 262.616+/-0.044 χ^2/NDF:670646.3/22

+ sign 256.151+/-0.035 χ^2/NDF: 1323303.8/42

All: 256.452+/-0.025 χ^2/NDF: 3408401.6/88

- sign 256.753+/-0.035 χ^2/NDF: 2084951.9/45

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: -2269.979+/-874.668 χ^2/NDF: 20.5/22

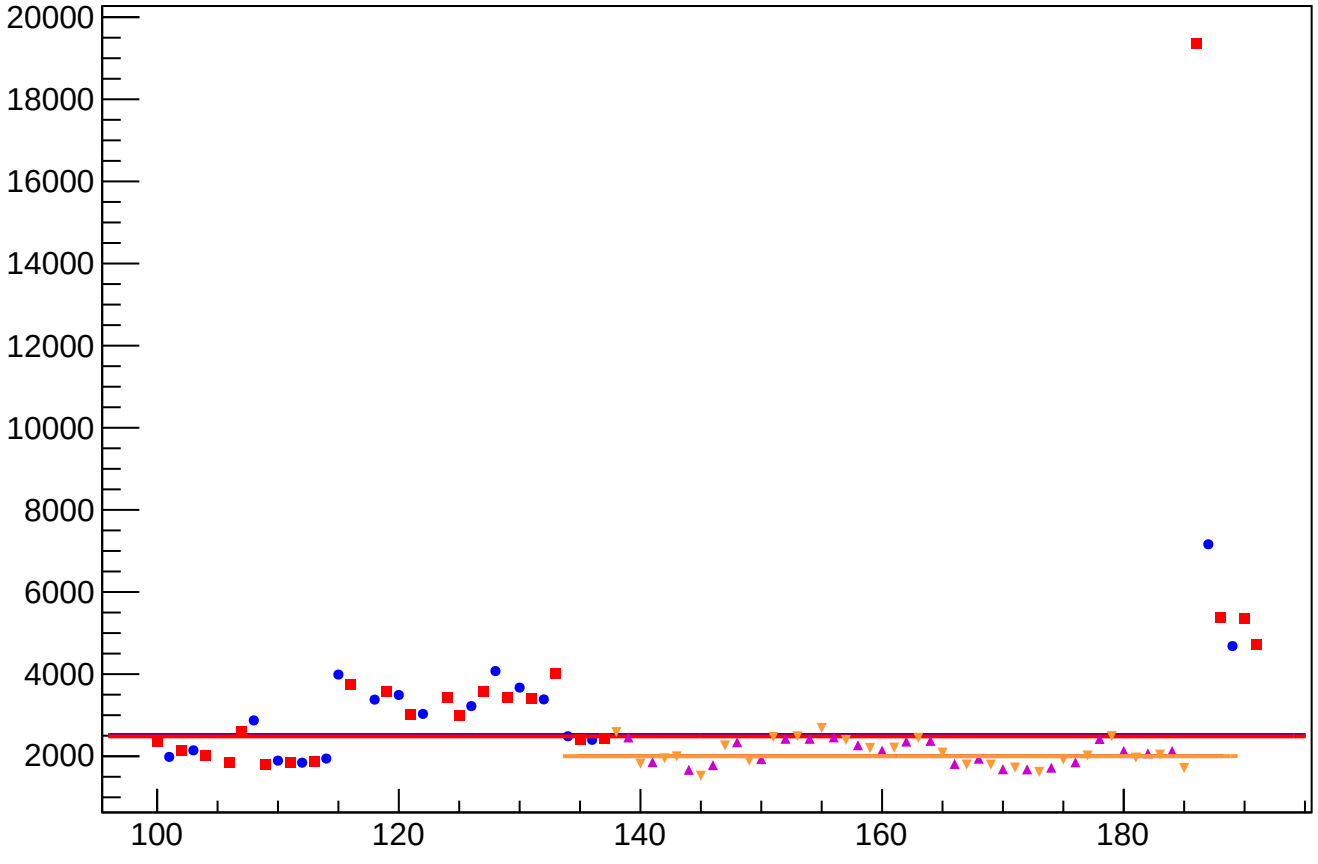
Left In: -313.739+/-474.086 χ^2/NDF:23.7/22

+ sign -1830.548+/-414.045 χ^2/NDF: 79.8/42

All: -1297.803+/-293.743 χ^2/NDF: 131.1/88

- sign -757.948+/-416.799 χ^2/NDF: 48.0/45

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: 2484.731+/-0.618 χ^2/NDF: 2554285.4/22

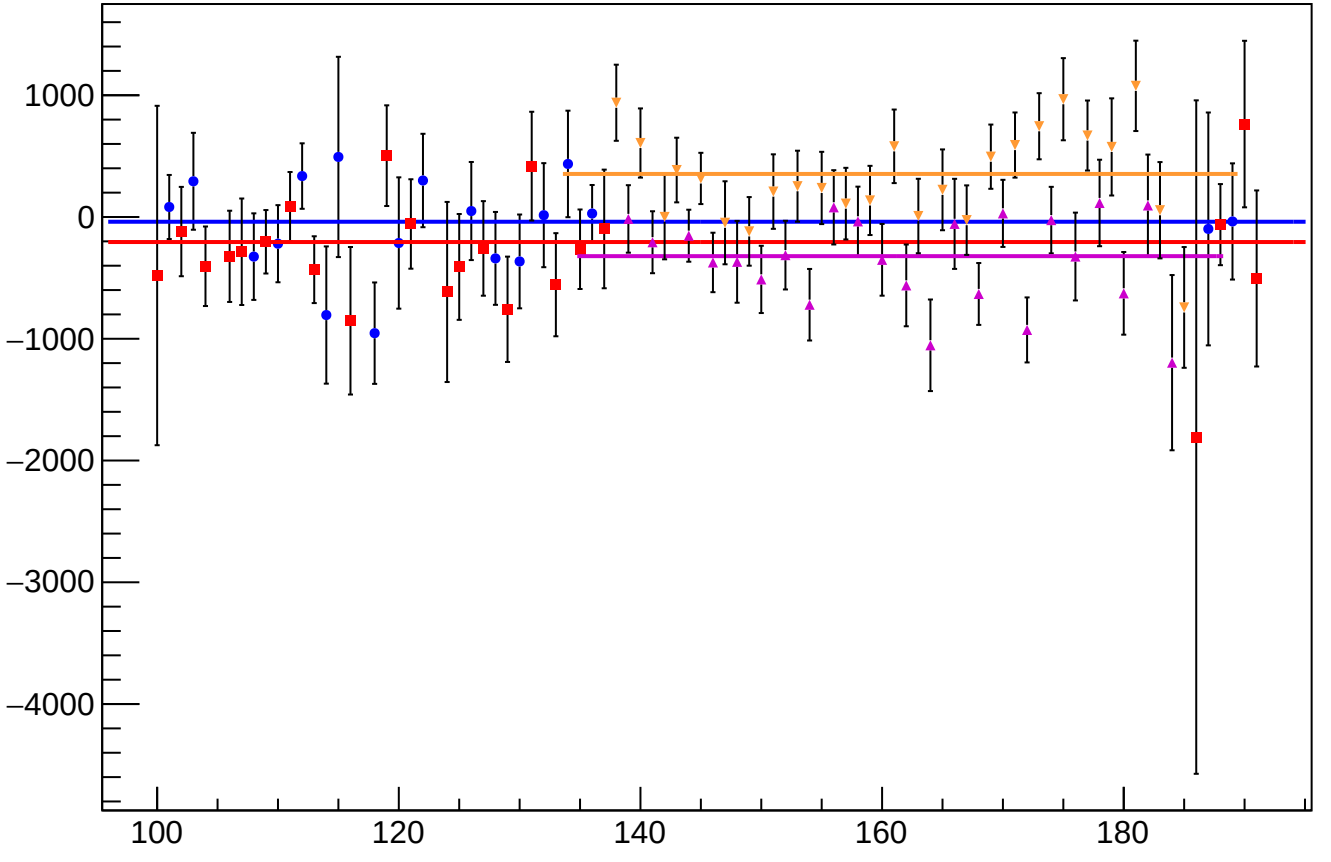
Left In: 2004.244+/-0.335 χ^2/NDF:704919.9/22

+ sign 2102.686+/-0.293 χ^2/NDF: 2657142.8/42

All: 2107.983+/-0.208 χ^2/NDF: 6383499.8/88

- sign 2113.350+/-0.295 χ^2/NDF: 3725698.1/45

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: -205.578+/-83.753 χ^2/NDF: 14.2/22

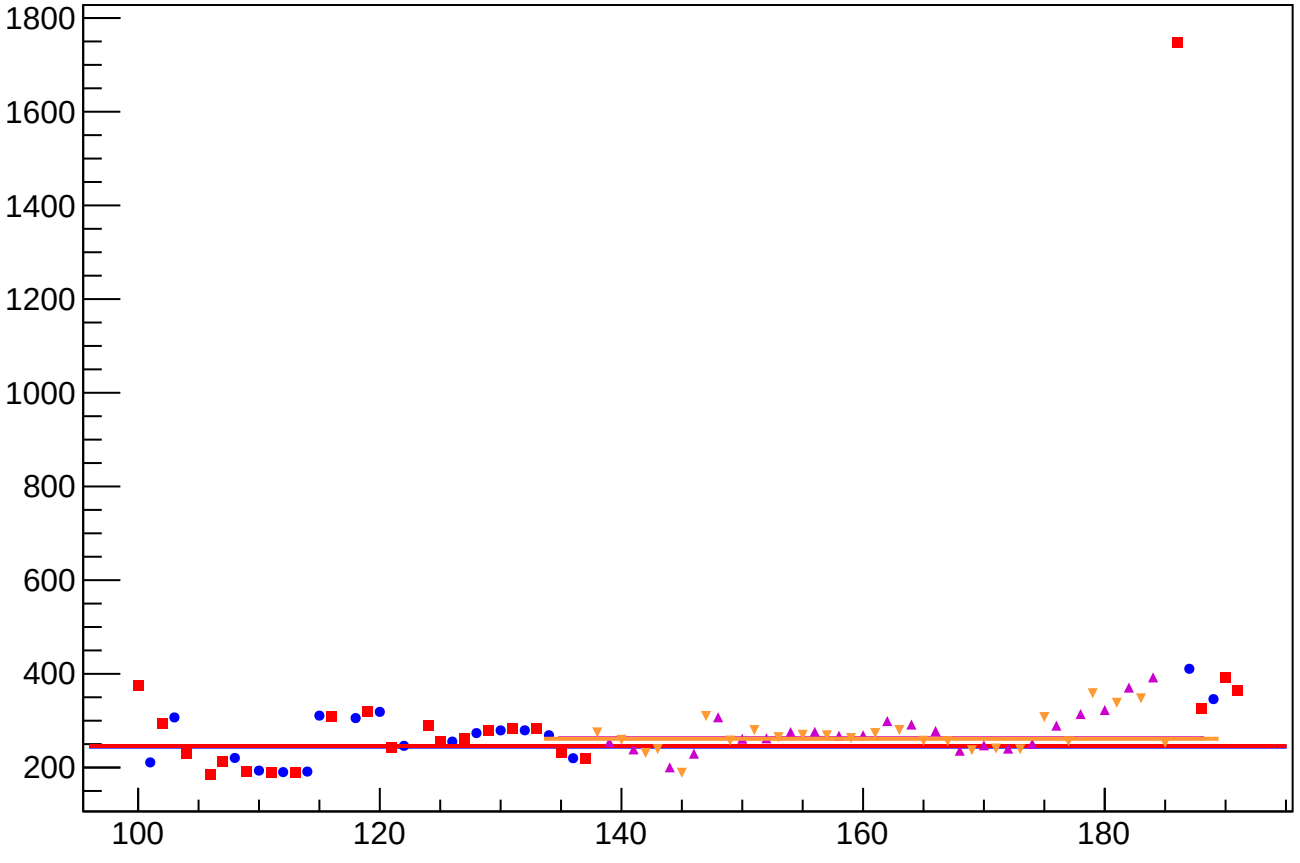
Left In: -321.514+/-62.113 χ^2/NDF:26.2/22

+ sign 229.866+/-49.772 χ^2/NDF: 60.2/42

All: -24.651+/-35.236 χ^2/NDF: 154.3/88

- sign -280.375+/-49.890 χ^2/NDF: 41.6/45

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: 245.989+/-0.059 χ^2/NDF: 1368318.7/22

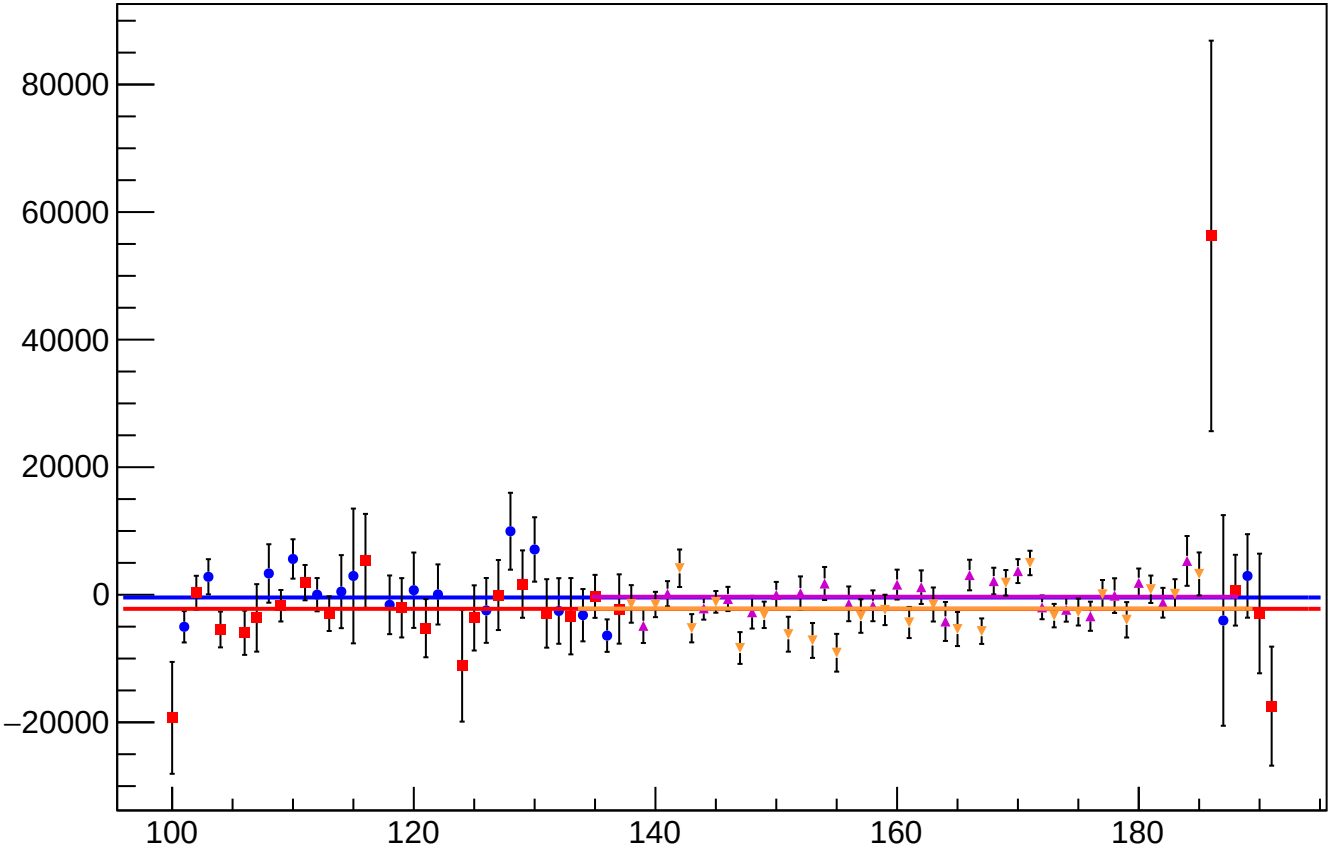
Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 256.151+/-0.035 χ^2/NDF: 1323305.8/42

All: 256.433+/-0.025 χ^2/NDF: 3413252.6/88

- sign 256.716+/-0.035 χ^2/NDF: 2089818.3/45

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: -2205.880+/-876.251 χ^2/NDF: 19.9/22

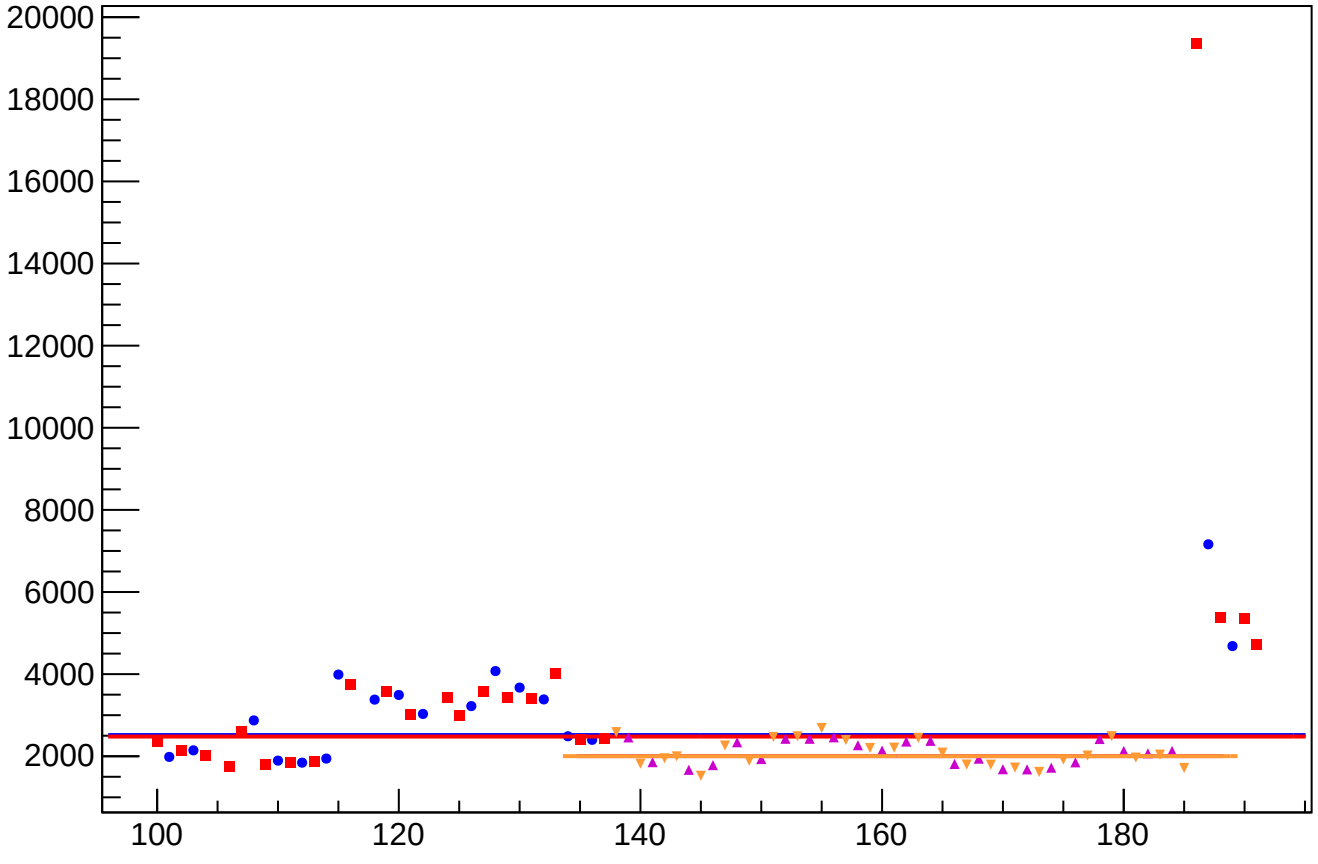
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -1830.561+/-414.045 χ^2/NDF: 79.8/42

All: -1290.209+/-293.803 χ^2/NDF: 130.3/88

- sign -742.198+/-416.970 χ^2/NDF: 47.1/45

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

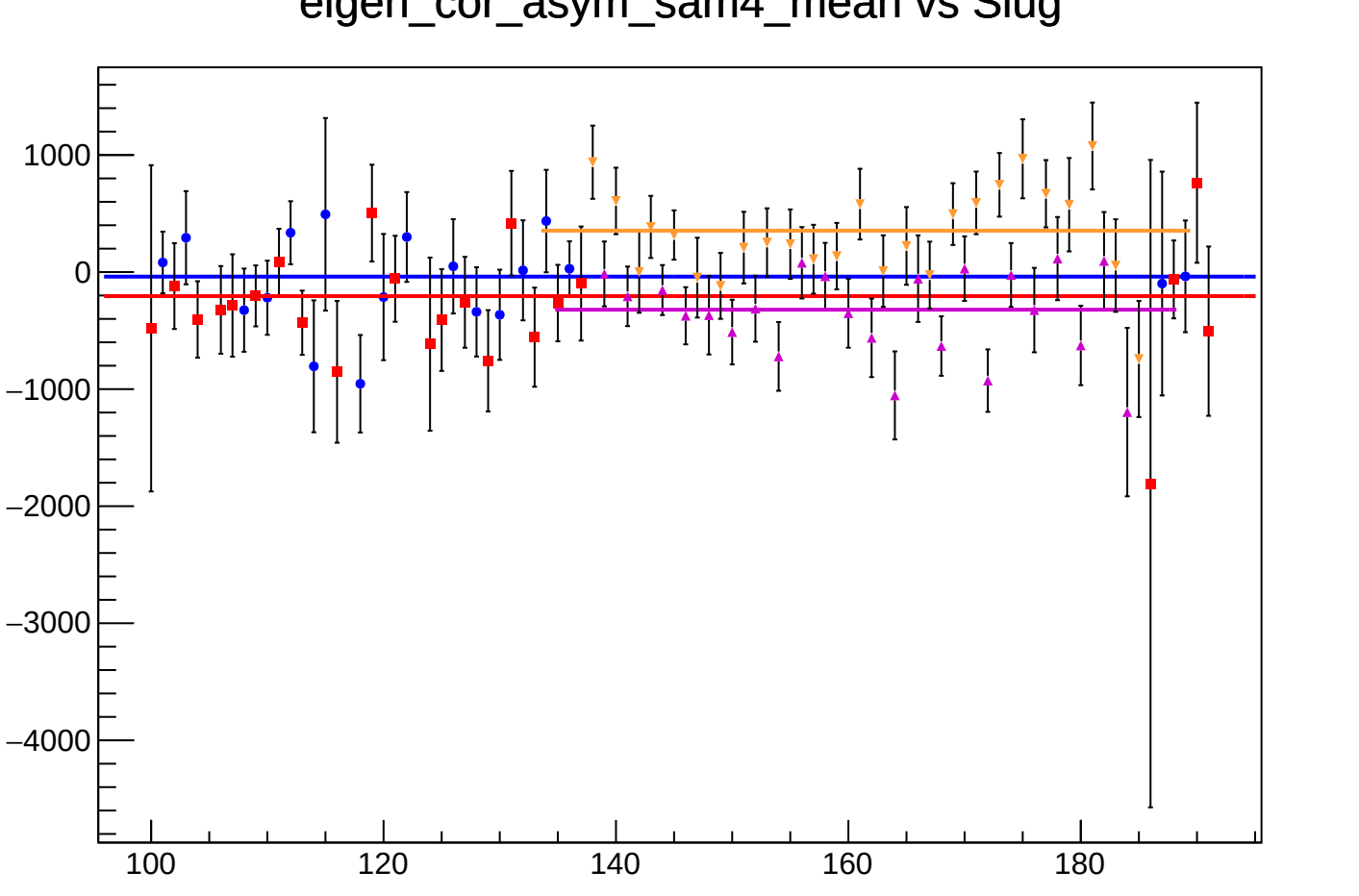
Right Out: 2479.971+/-0.620 χ^2/NDF: 2575822.8/22

Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2102.690+/-0.293 χ^2/NDF: 2657144.9/42

All: 2107.296+/-0.208 χ^2/NDF: 6394406.0/88

- sign 2111.968+/-0.295 χ^2/NDF: 3736762.5/45



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: -205.578+/-83.753 χ^2/NDF: 14.2/22

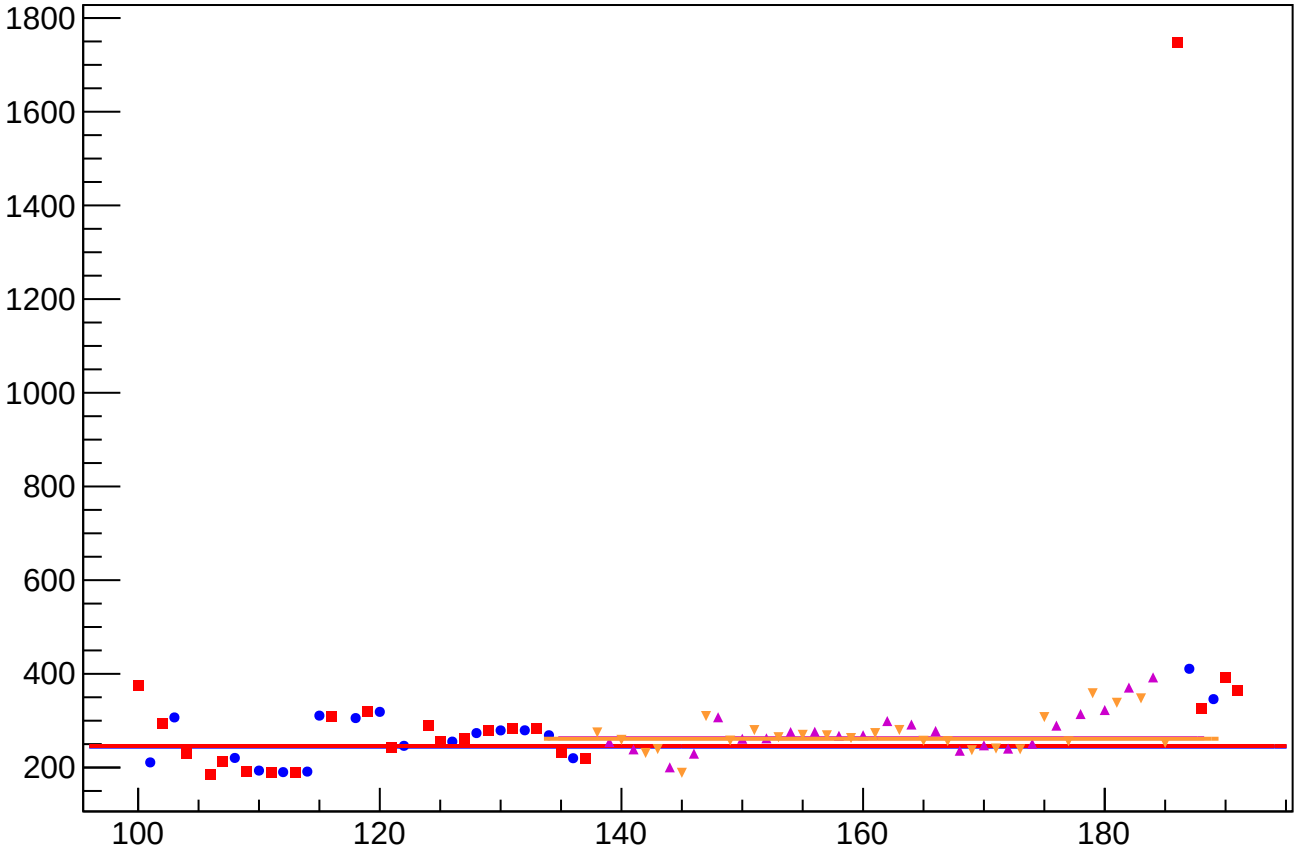
Left In: -321.514+/-62.113 χ^2/NDF:26.2/22

+ sign 229.866+/-49.772 χ^2/NDF: 60.2/42

All: -24.651+/-35.236 χ^2/NDF: 154.3/88

- sign -280.375+/-49.890 χ^2/NDF: 41.6/45

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: 245.989+/-0.059 χ^2/NDF: 1368318.7/22

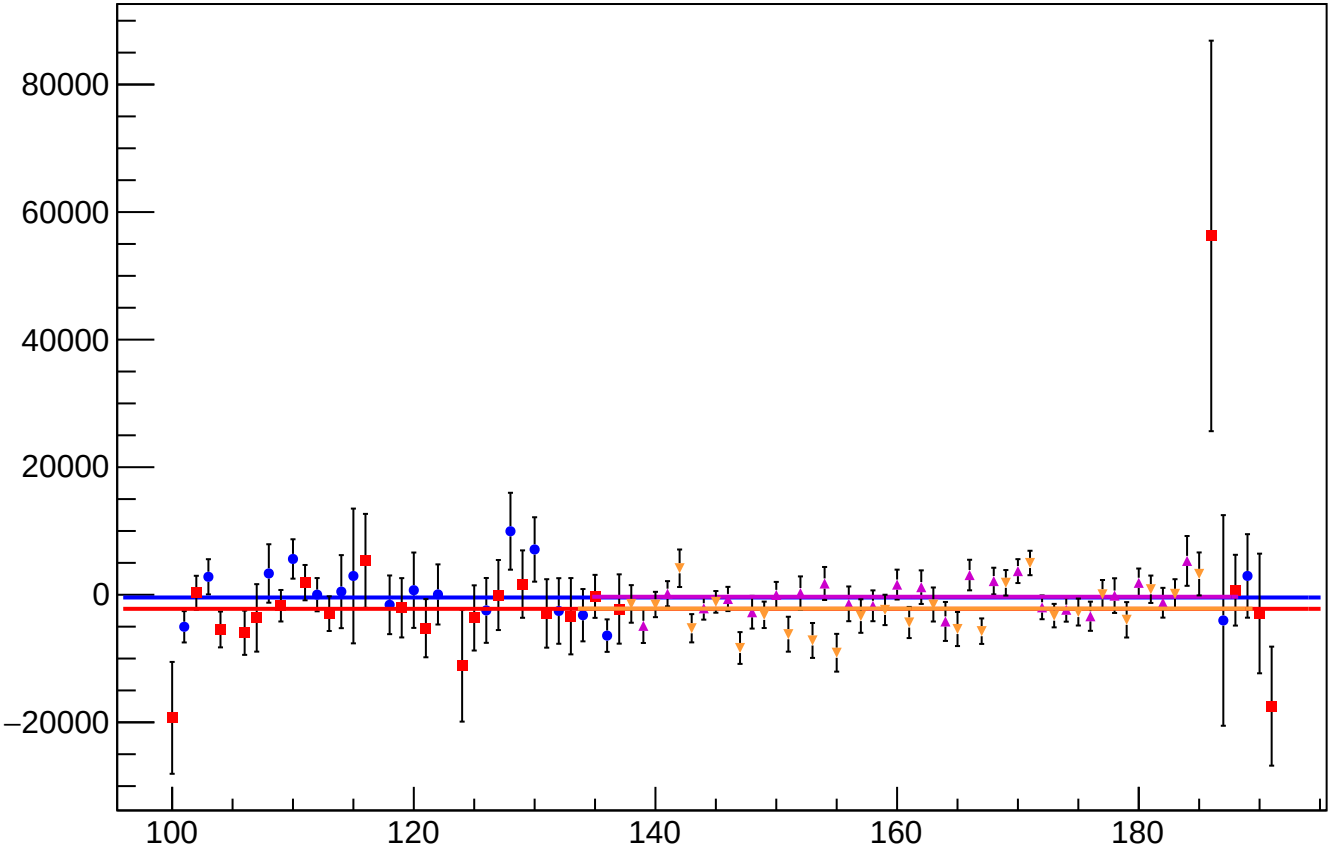
Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 256.151+/-0.035 χ^2/NDF: 1323305.8/42

All: 256.433+/-0.025 χ^2/NDF: 3413252.6/88

- sign 256.716+/-0.035 χ^2/NDF: 2089818.3/45

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: -2205.880+/-876.251 χ^2/NDF: 19.9/22

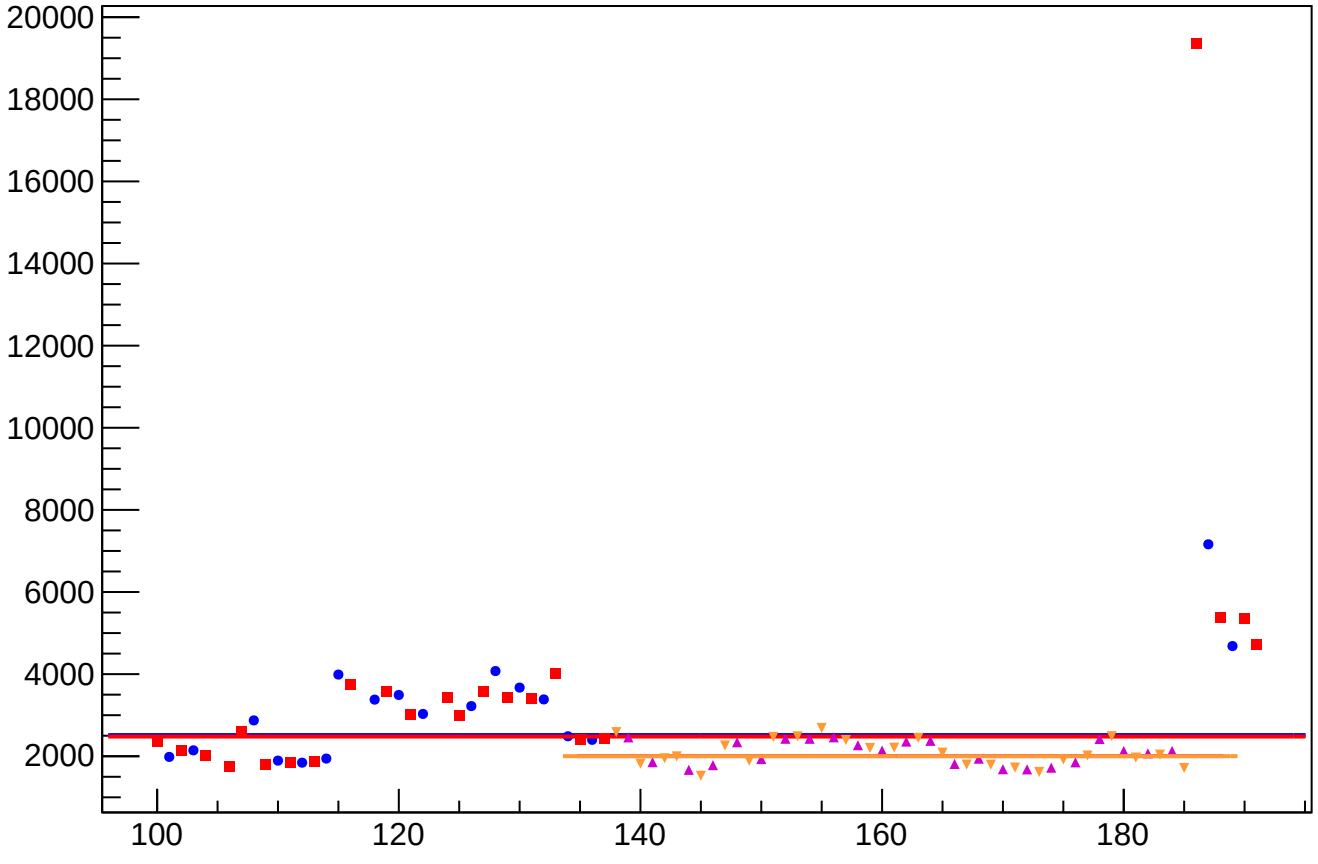
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -1830.561+/-414.045 χ^2/NDF: 79.8/42

All: -1290.209+/-293.803 χ^2/NDF: 130.3/88

- sign -742.198+/-416.970 χ^2/NDF: 47.1/45

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: 2479.971+/-0.620 χ^2/NDF: 2575822.8/22

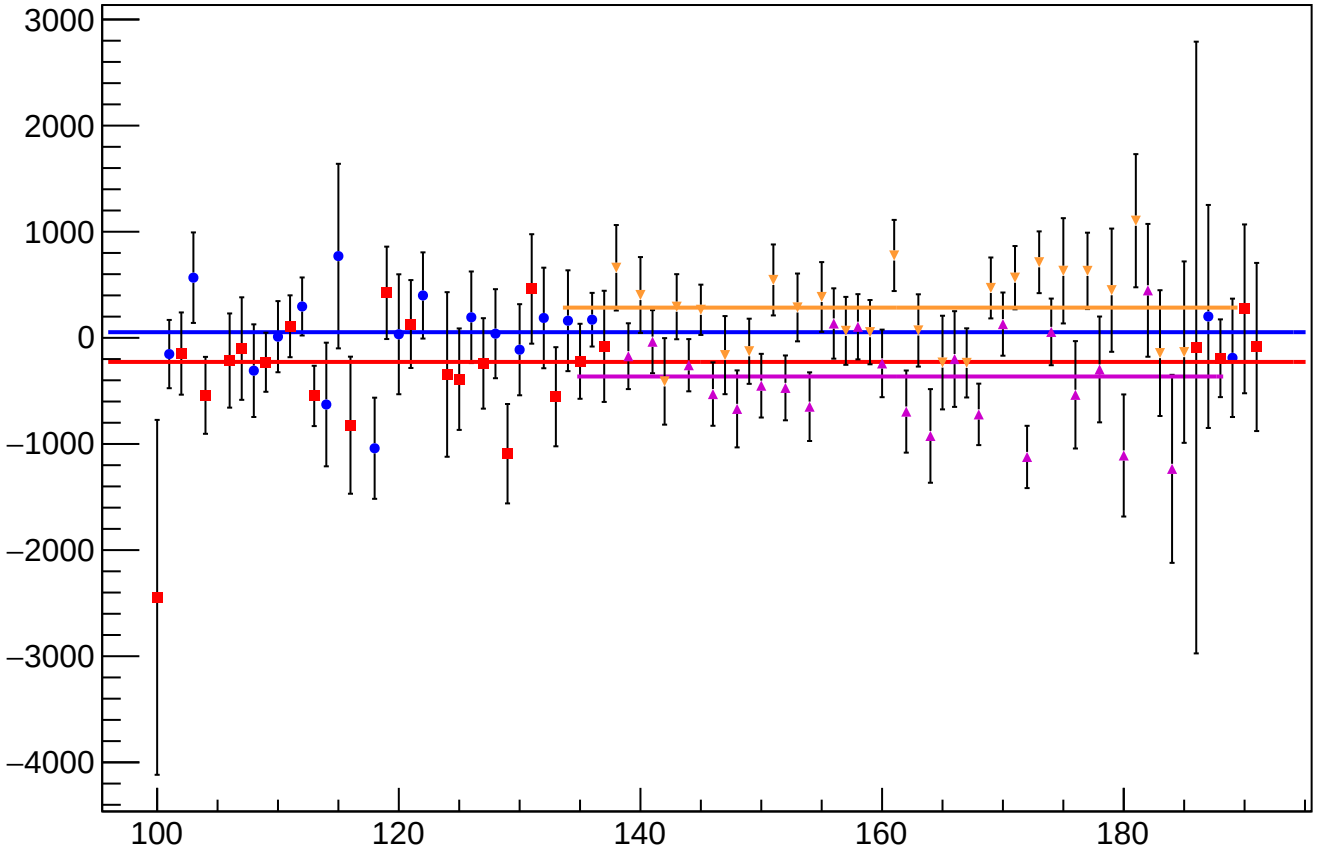
Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2102.690+/-0.293 χ^2/NDF: 2657144.9/42

All: 2107.296+/-0.208 χ^2/NDF: 6394406.0/88

- sign 2111.968+/-0.295 χ^2/NDF: 3736762.5/45

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: -226.865+/-90.757 χ^2/NDF: 15.4/22

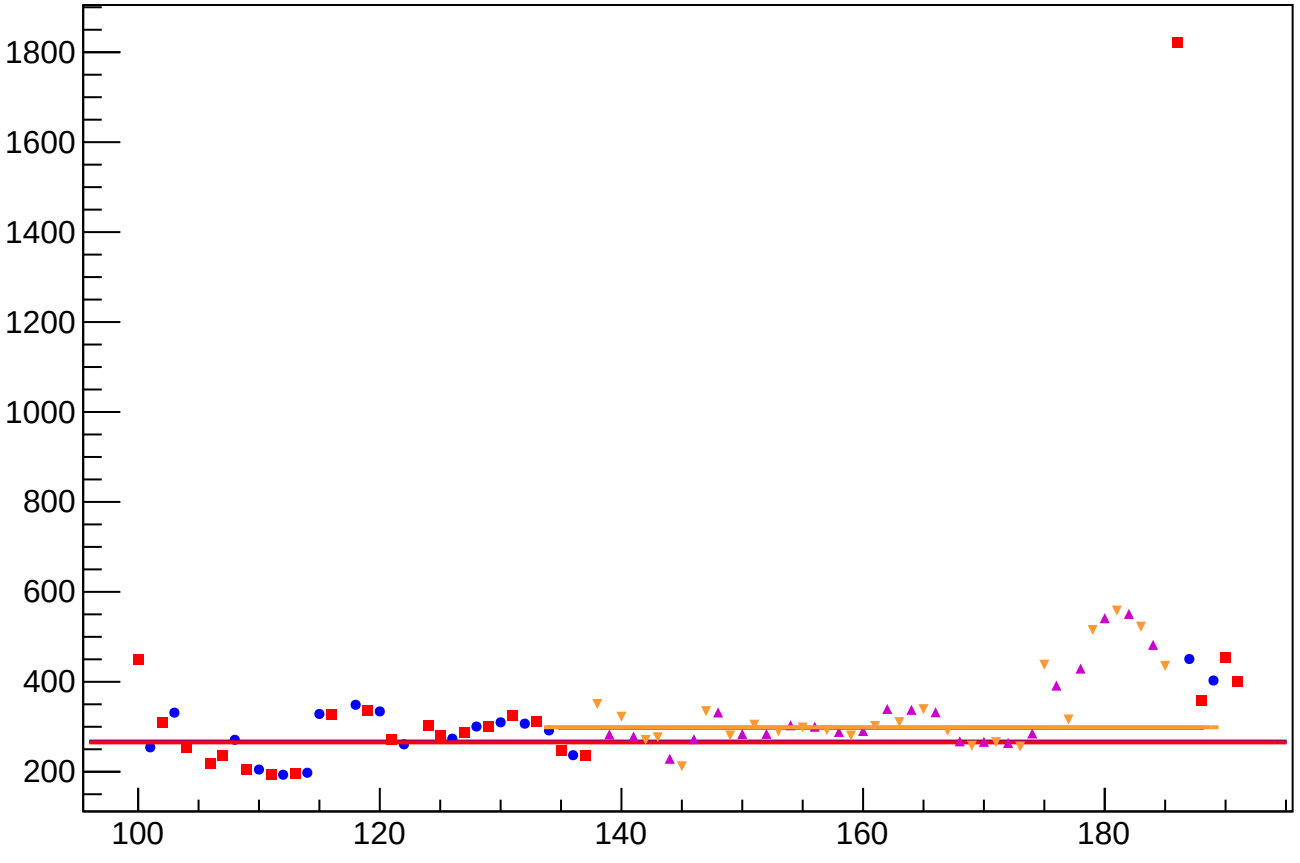
Left In: -364.163+/-71.714 χ^2/NDF:28.2/22

+ sign 205.875+/-56.837 χ^2/NDF: 38.8/42

All: -55.362+/-39.987 χ^2/NDF: 125.6/88

- sign -311.389+/-56.268 χ^2/NDF: 45.0/45

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: 265.351+/-0.064 χ^2/NDF: 1453243.7/22

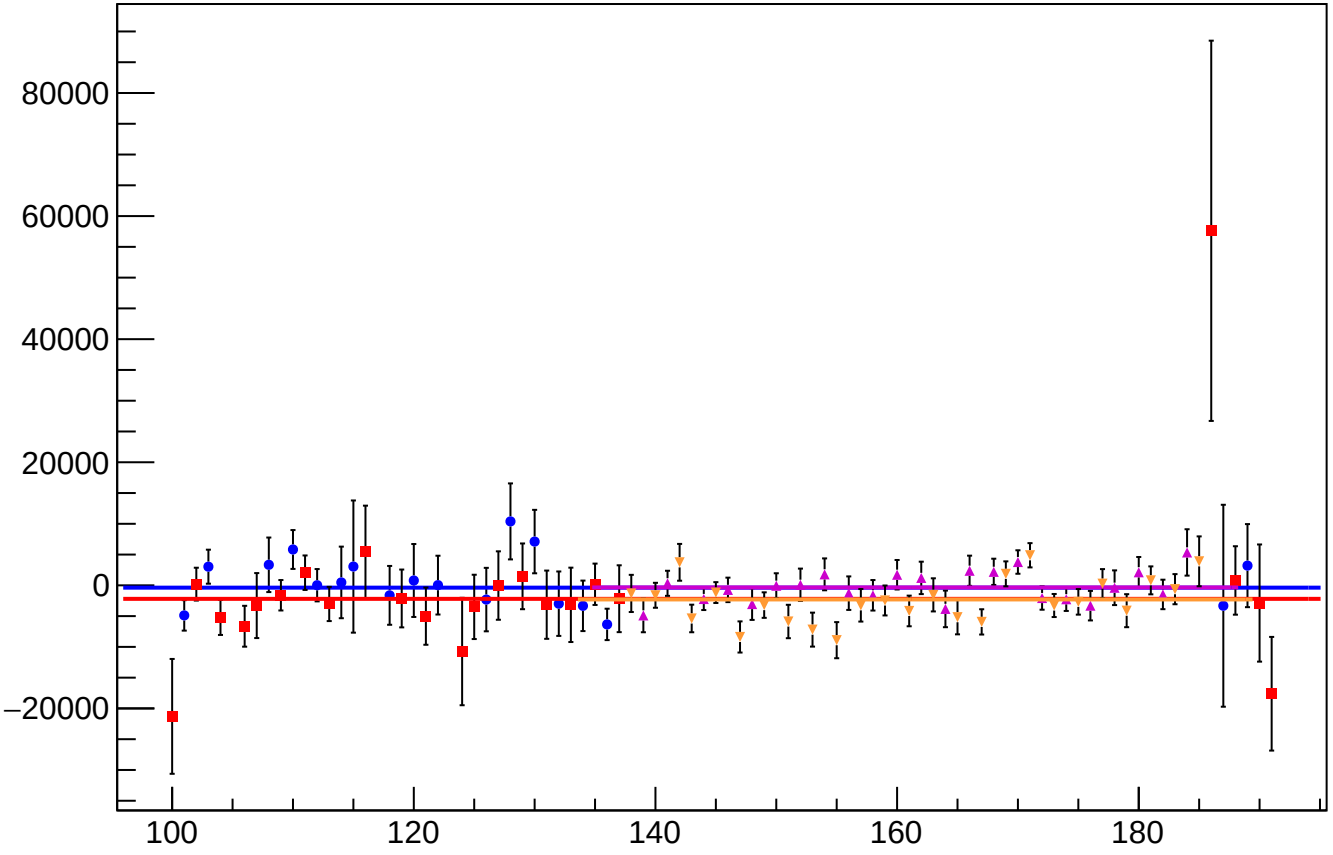
Left In: 297.885+/-0.051 χ^2/NDF:1319062.0/22

+ sign 288.043+/-0.040 χ^2/NDF: 2404305.4/42

All: 286.698+/-0.028 χ^2/NDF: 5337046.9/88

- sign 285.380+/-0.040 χ^2/NDF: 2930524.4/45

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: -2195.603+/-881.237 χ^2/NDF: 20.8/22

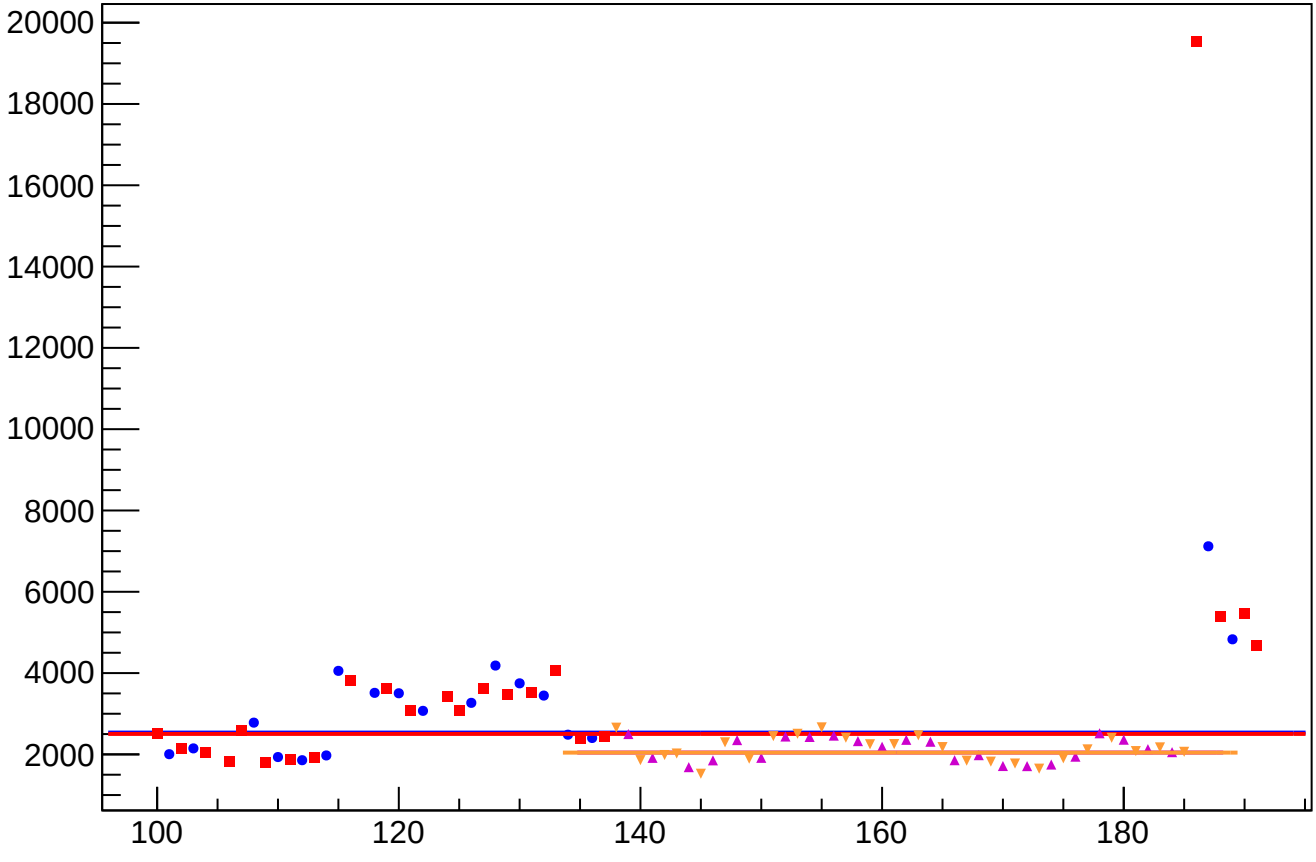
Left In: -342.609+/-483.605 χ^2/NDF:22.8/22

+ sign -1909.820+/-421.121 χ^2/NDF: 76.5/42

All: -1344.482+/-298.776 χ^2/NDF: 127.2/88

- sign -771.493+/-423.961 χ^2/NDF: 47.1/45

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: 2503.855+/-0.623 χ^2/NDF: 2576734.3/22

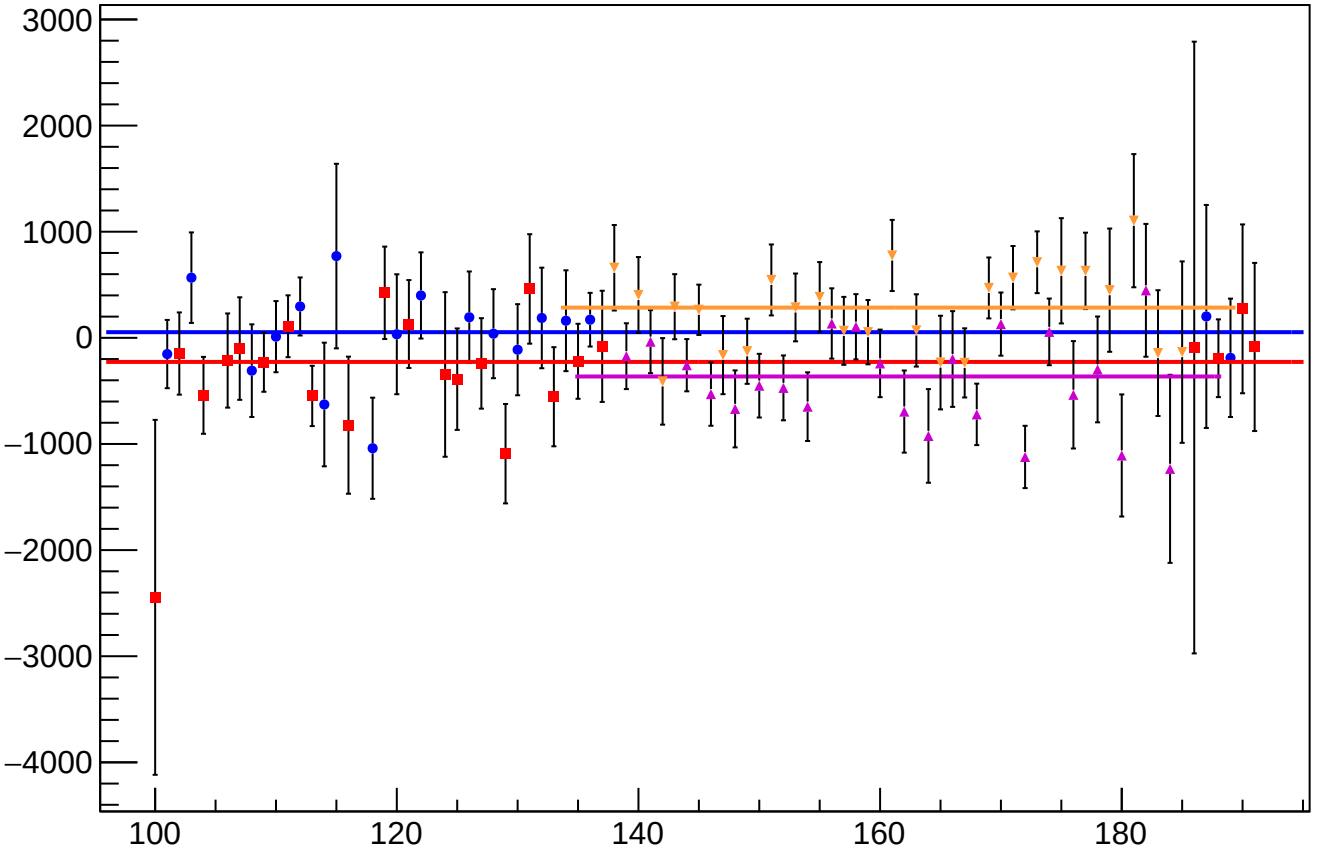
Left In: 2045.178+/-0.342 χ^2/NDF:690219.7/22

+ sign 2141.701+/-0.298 χ^2/NDF: 2600943.7/42

All: 2146.489+/-0.211 χ^2/NDF: 6284835.3/88

- sign 2151.341+/-0.300 χ^2/NDF: 3683371.2/45

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: -226.866+/-90.757 χ^2/NDF: 15.4/22

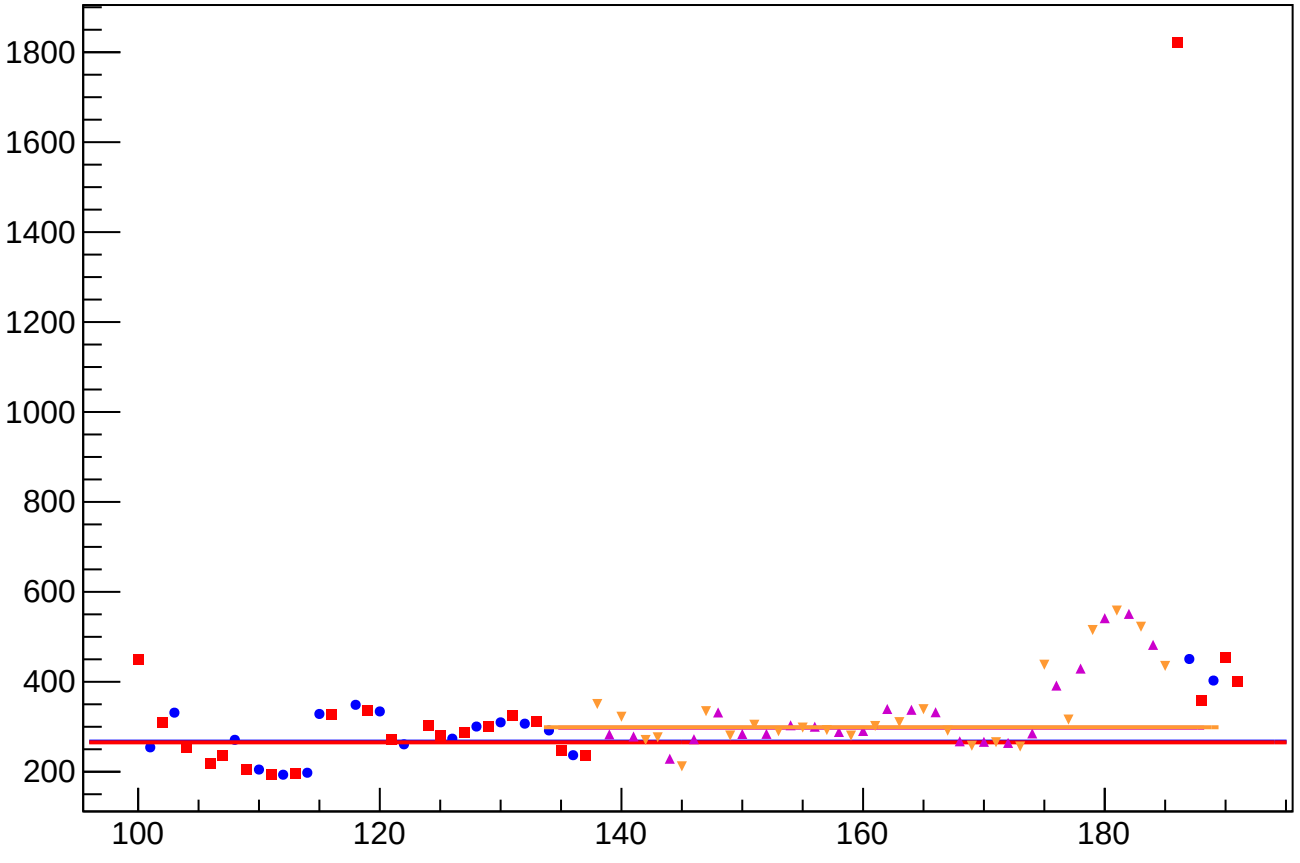
Left In: -364.164+/-71.714 χ^2/NDF:28.2/22

+ sign 205.880+/-56.837 χ^2/NDF: 38.8/42

All: -55.361+/-39.987 χ^2/NDF: 125.6/88

- sign -311.390+/-56.268 χ^2/NDF: 45.0/45

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: 265.351+/-0.064 χ^2/NDF: 1453248.7/22

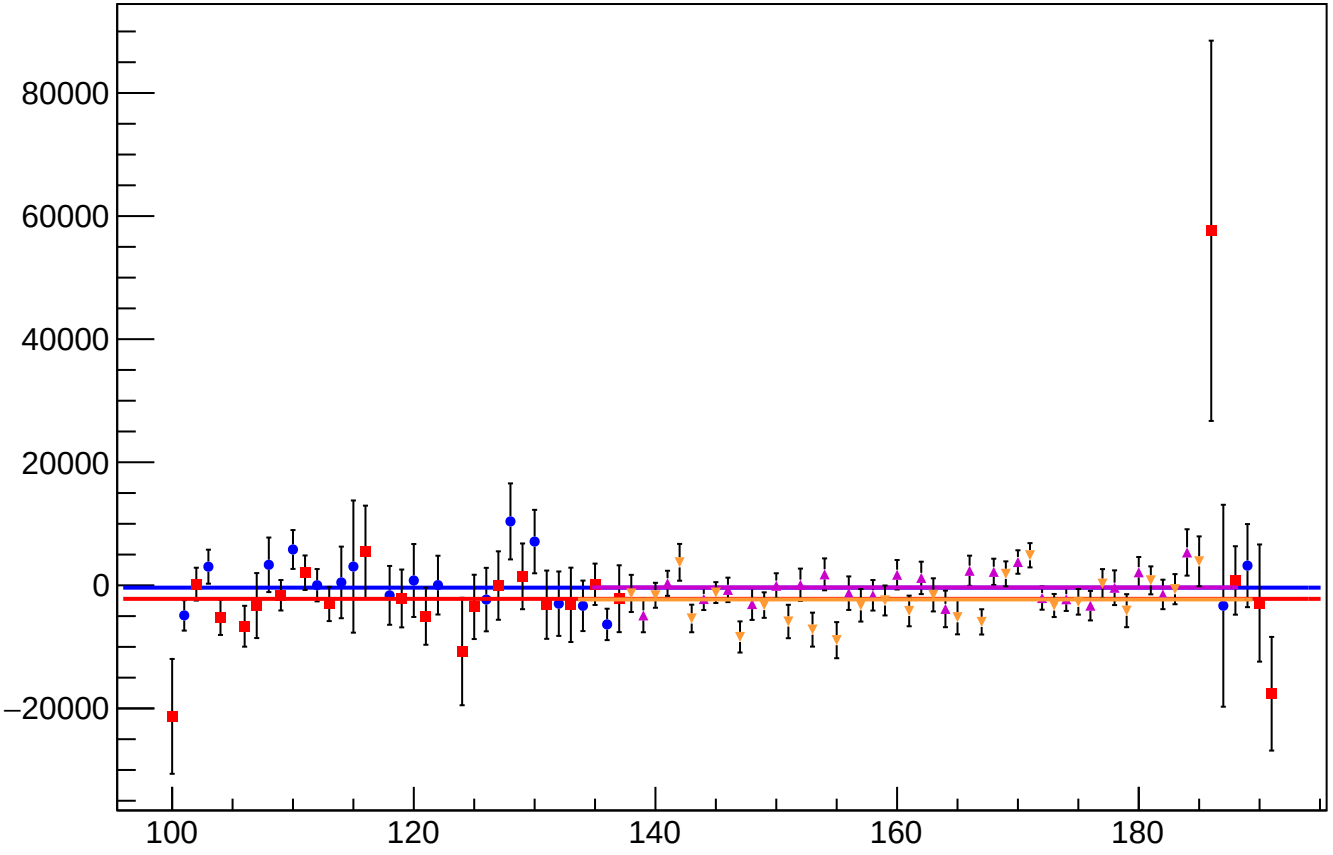
Left In: 297.885+/-0.051 χ^2/NDF:1319043.7/22

+ sign 288.043+/-0.040 χ^2/NDF: 2404304.2/42

All: 286.698+/-0.028 χ^2/NDF: 5337034.9/88

- sign 285.380+/-0.040 χ^2/NDF: 2930513.5/45

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: -2195.601+/-881.236 χ^2/NDF: 20.8/22

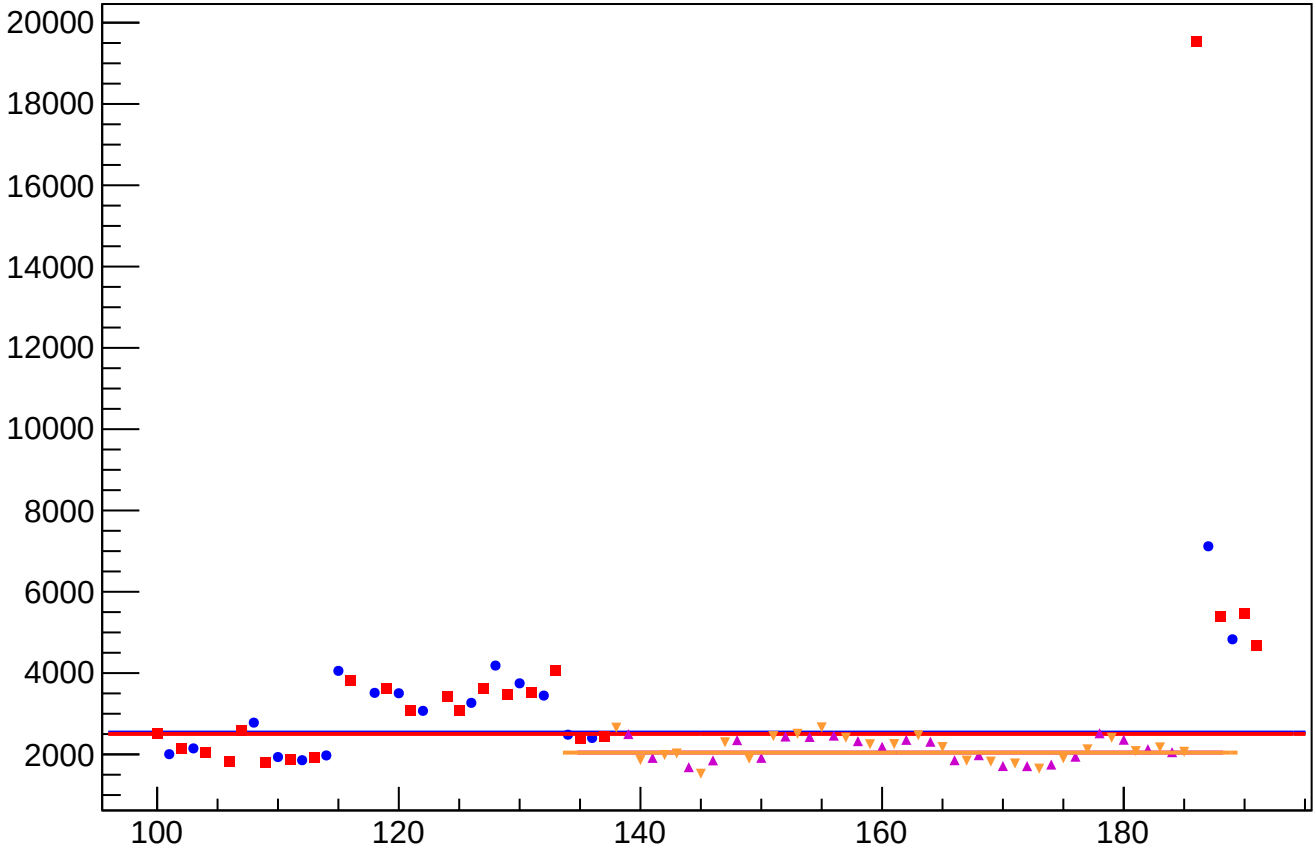
Left In: -342.606+/-483.604 χ^2/NDF:22.8/22

+ sign -1909.816+/-421.120 χ^2/NDF: 76.5/42

All: -1344.478+/-298.776 χ^2/NDF: 127.2/88

- sign -771.490+/-423.960 χ^2/NDF: 47.1/45

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

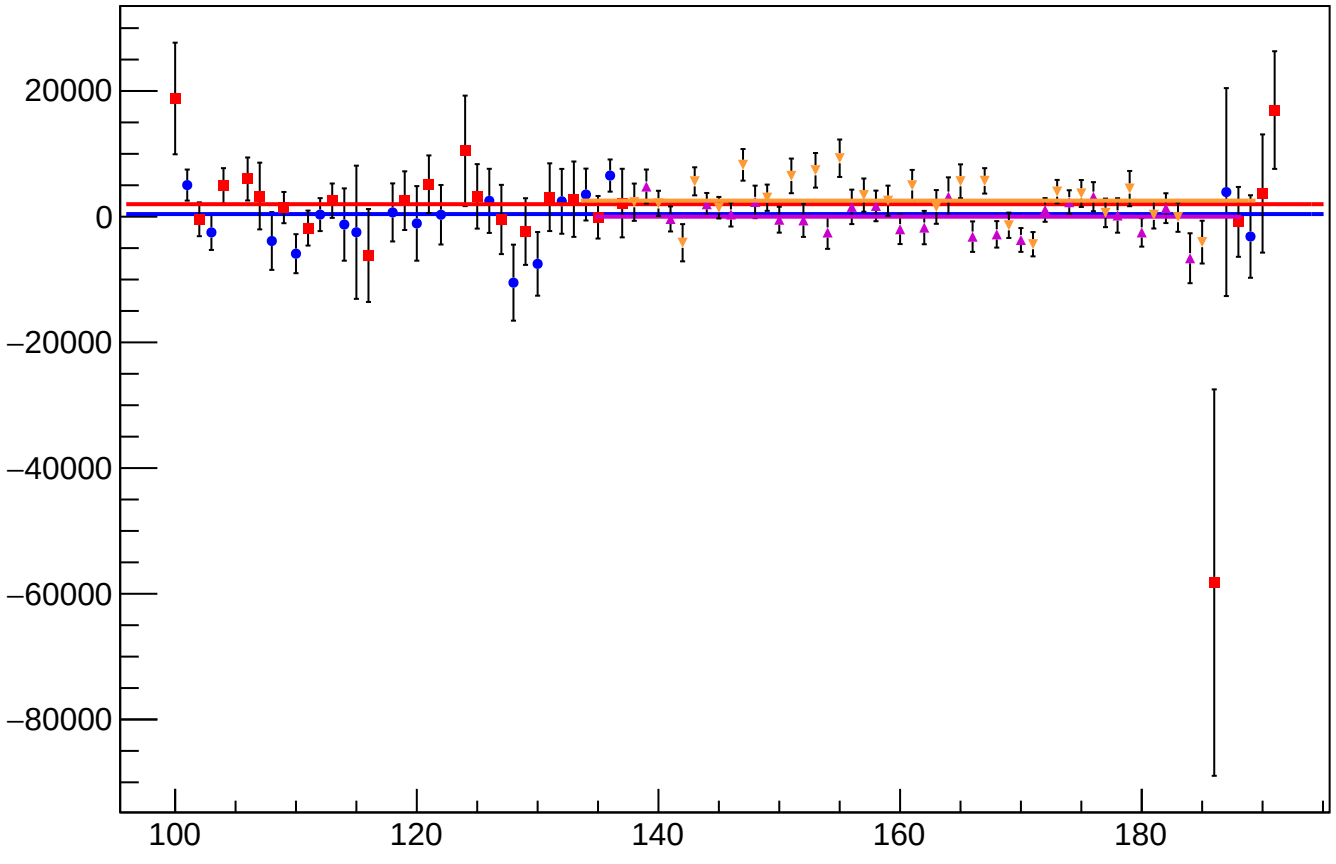
Right Out: 2503.854+/-0.623 χ^2/NDF: 2576734.8/22

Left In: 2045.175+/-0.342 χ^2/NDF:690218.2/22

+ sign 2141.698+/-0.298 χ^2/NDF: 2600951.5/42

All: 2146.486+/-0.211 χ^2/NDF: 6284844.9/88

- sign 2151.338+/-0.300 χ^2/NDF: 3683372.9/45



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: 1988.222+/-879.935 χ^2/NDF: 19.5/22

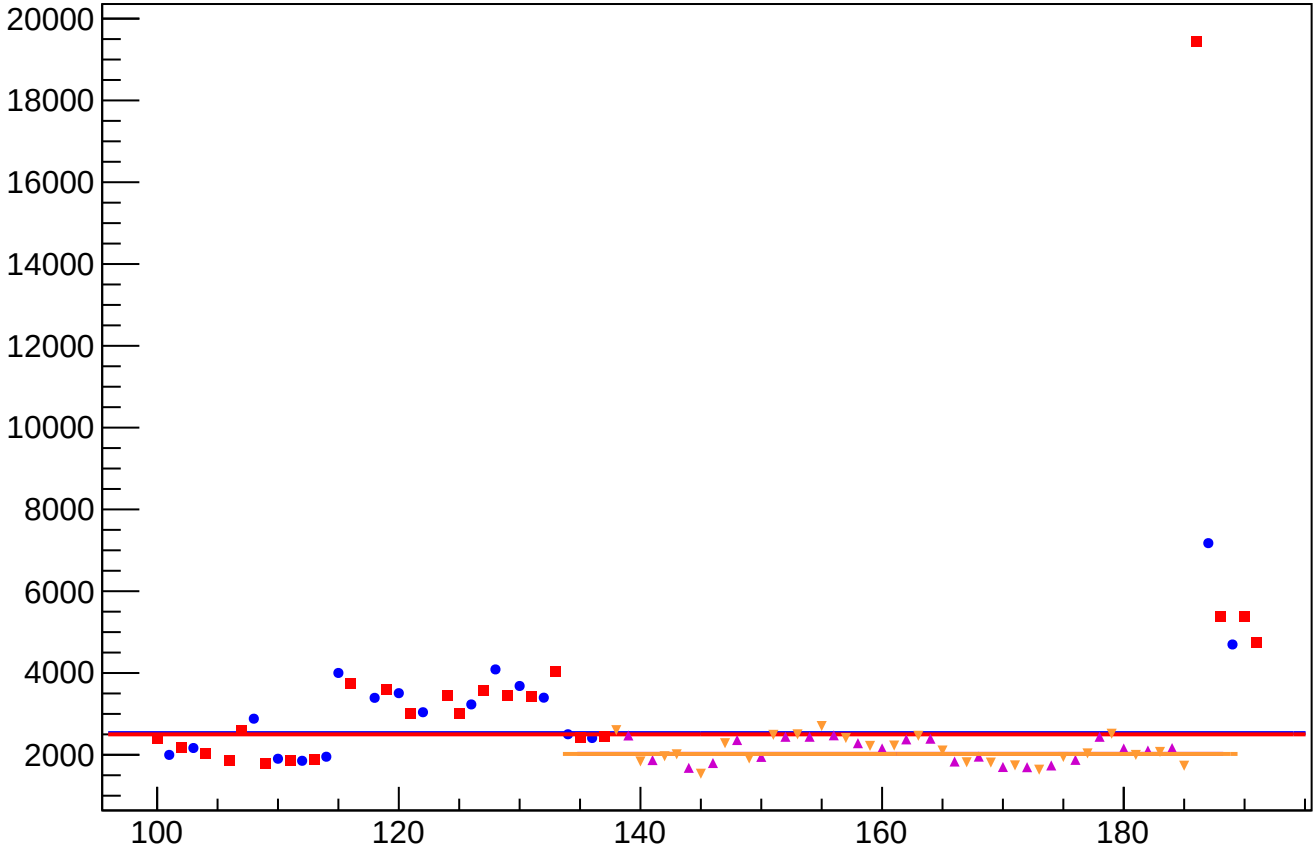
Left In: -3.474+/-478.514 χ^2/NDF:24.7/22

+ sign 2136.882+/-417.589 χ^2/NDF: 79.3/42

All: 1299.594+/-296.261 χ^2/NDF: 135.5/88

- sign 451.093+/-420.376 χ^2/NDF: 48.1/45

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

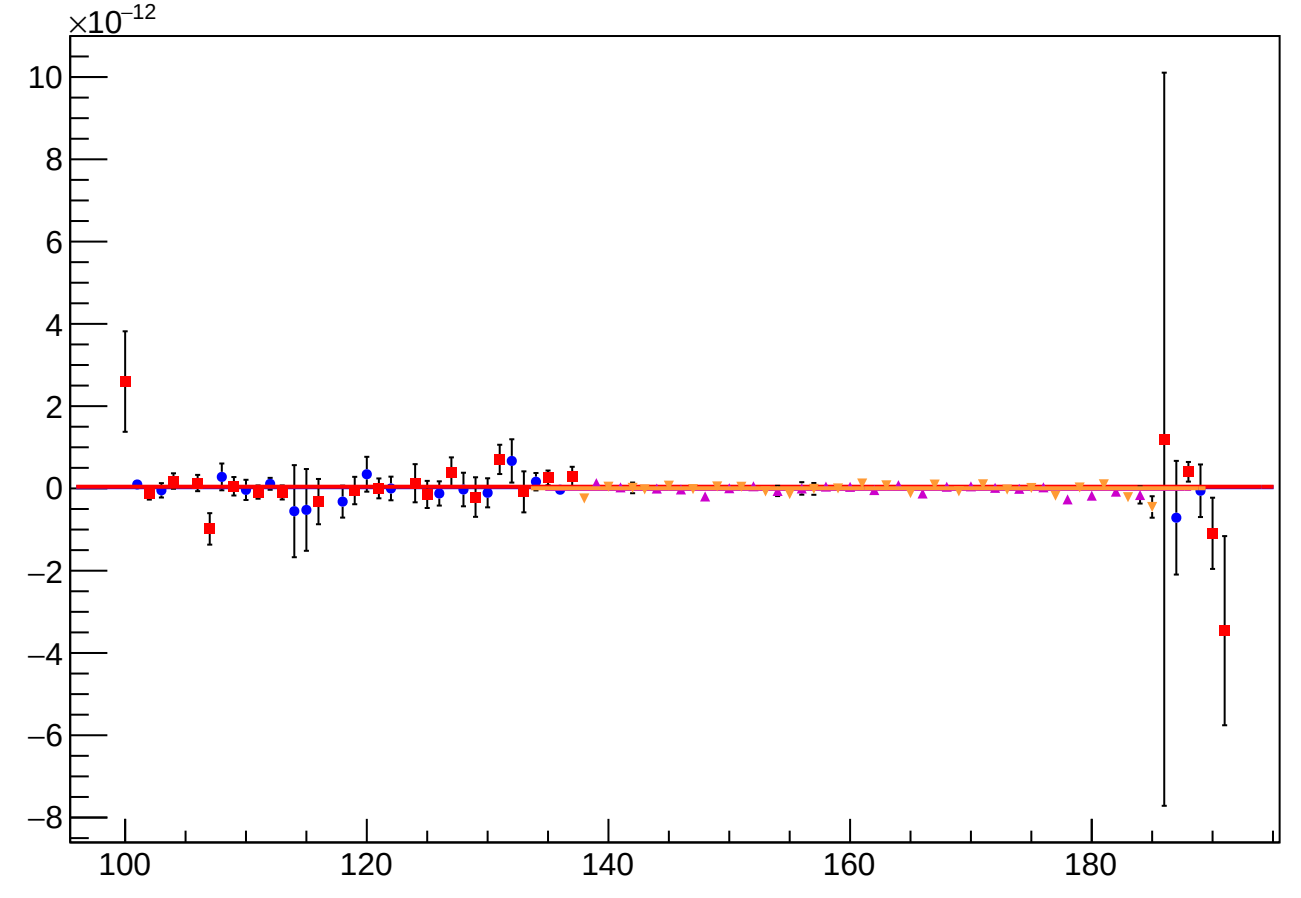
Right Out: 2500.261+/-0.622 χ^2/NDF: 2539257.2/22

Left In: 2023.284+/-0.338 χ^2/NDF:696055.4/22

+ sign 2121.512+/-0.295 χ^2/NDF: 2621726.5/42

All: 2126.793+/-0.209 χ^2/NDF: 6311218.3/88

- sign 2132.145+/-0.297 χ^2/NDF: 3688847.9/45



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: 29.6/22

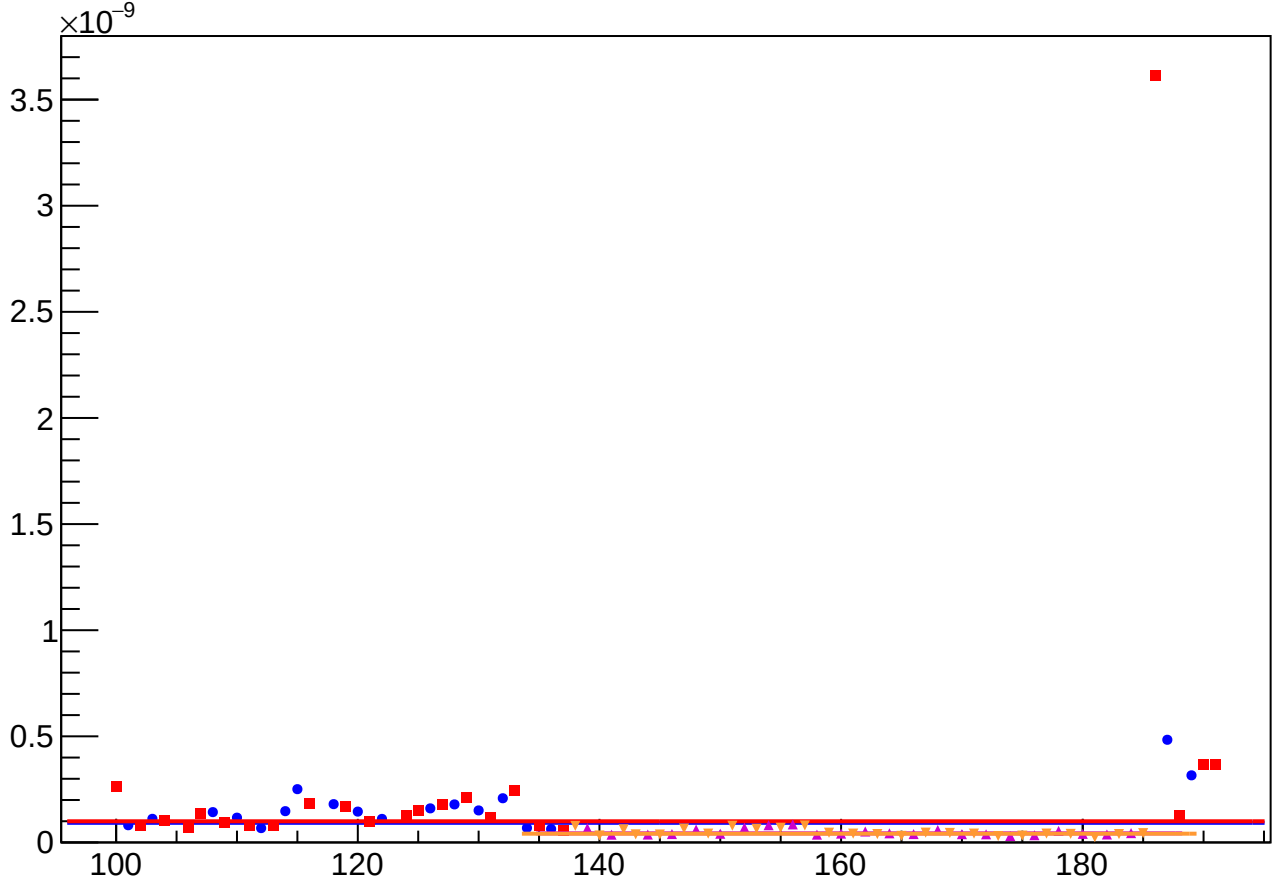
Left In: -0.000+/-0.000 χ^2/NDF:20.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 38.8/42

All: 0.000+/-0.000 χ^2/NDF: 90.4/88

- sign -0.000+/-0.000 χ^2/NDF: 51.3/45

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: 1412035.0/22

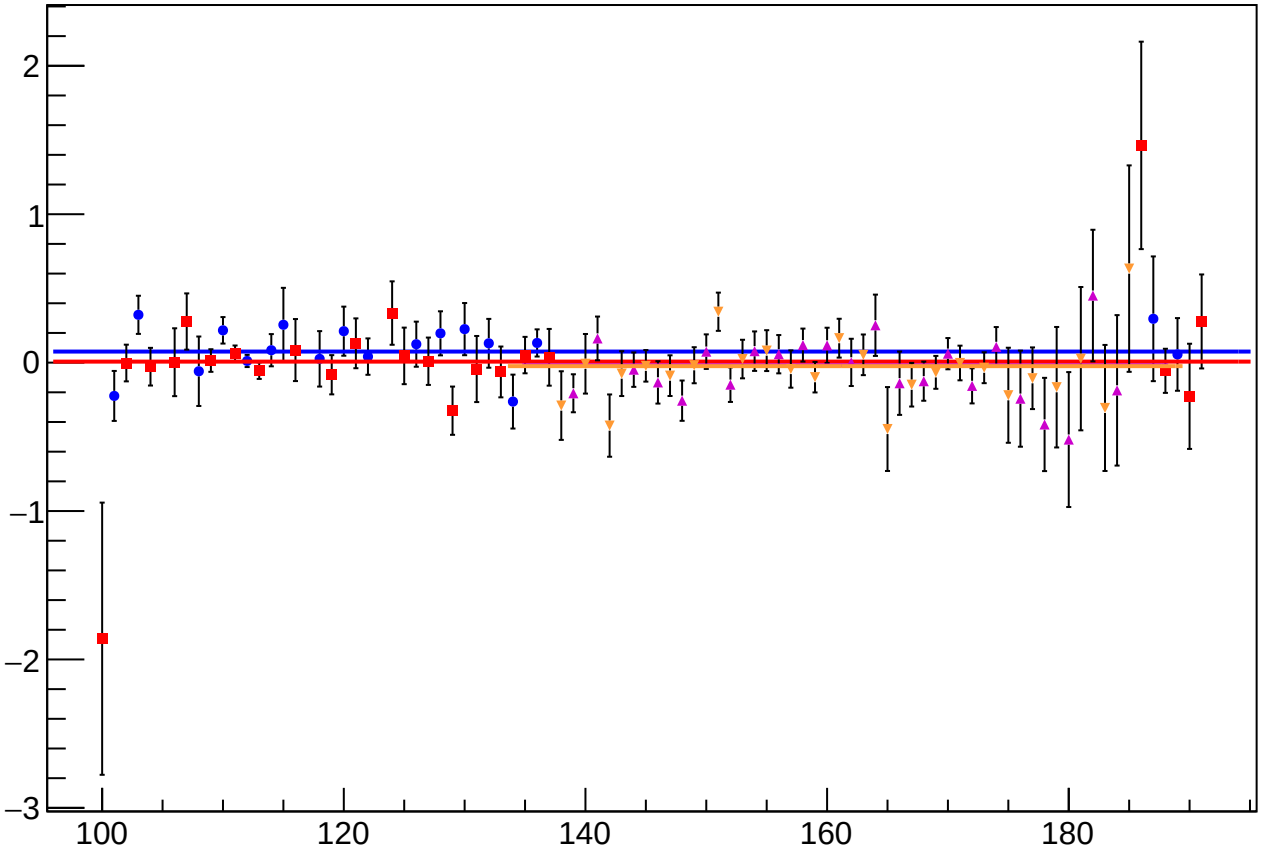
Left In: 0.000+/-0.000 χ^2/NDF:931395.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 4324757.5/42

All: 0.000+/-0.000 χ^2/NDF: 8686265.3/88

- sign 0.000+/-0.000 χ^2/NDF: 4338888.0/45

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: 0.007+/-0.026 χ^2/NDF: 22.1/22

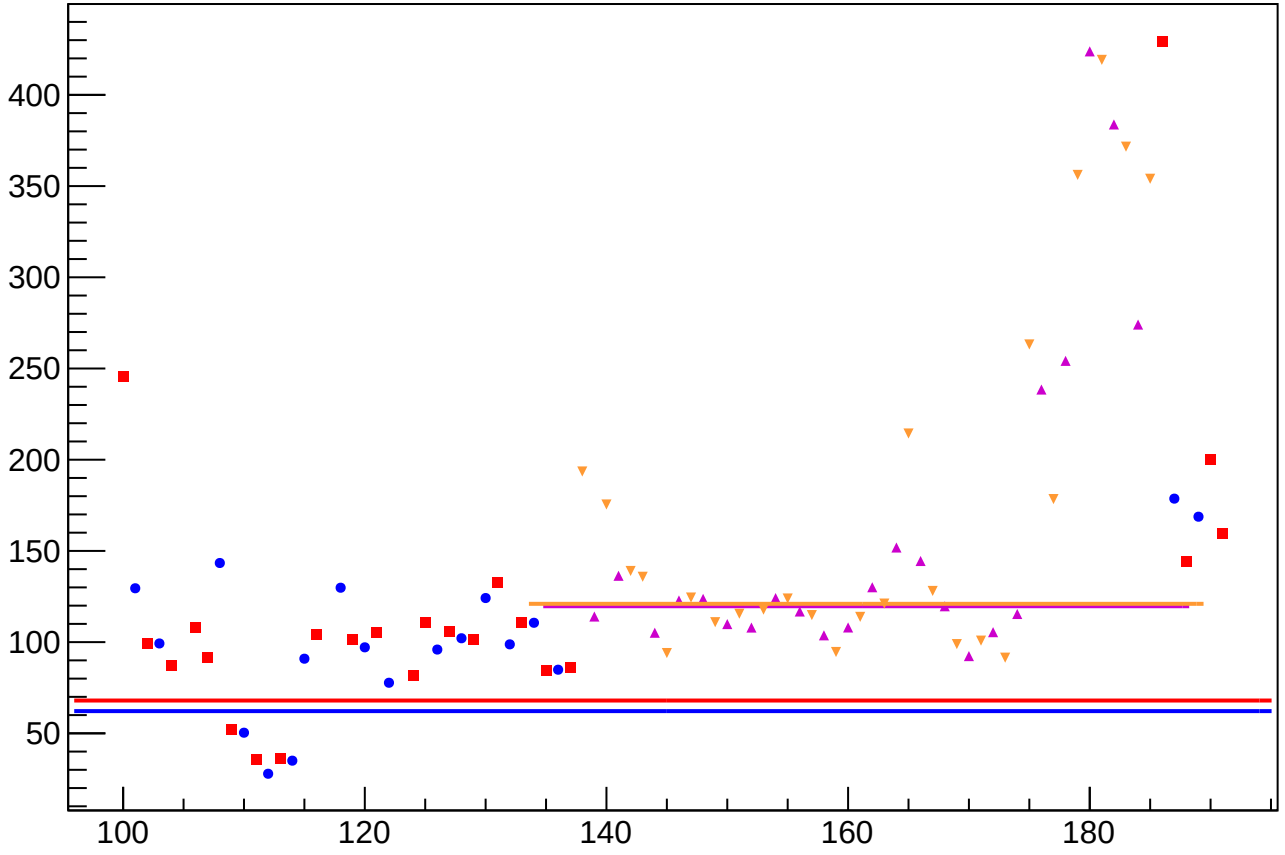
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.031+/-0.020 χ^2/NDF: 47.5/42

All: 0.013+/-0.014 χ^2/NDF: 94.5/88

- sign -0.004+/-0.020 χ^2/NDF: 45.5/45

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: 67.987+/-0.019 χ^2/NDF: 4215530.3/22

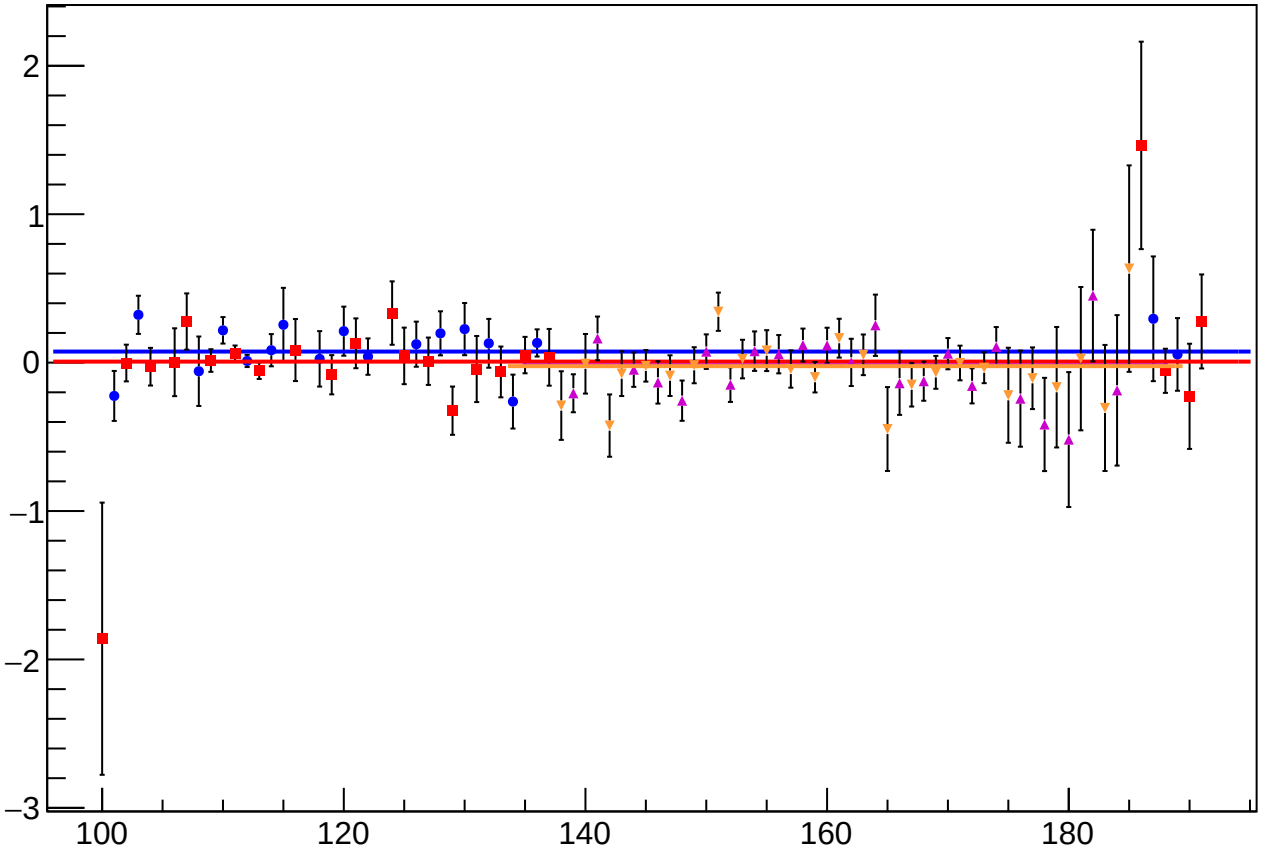
Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

+ sign 88.374+/-0.014 χ^2/NDF: 12466850.3/42

All: 89.286+/-0.010 χ^2/NDF: 22866681.1/88

- sign 90.185+/-0.014 χ^2/NDF: 10391534.3/45

asym_sam4_dit_vs_eigen_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: 0.007+/-0.026 χ^2/NDF: 22.1/22

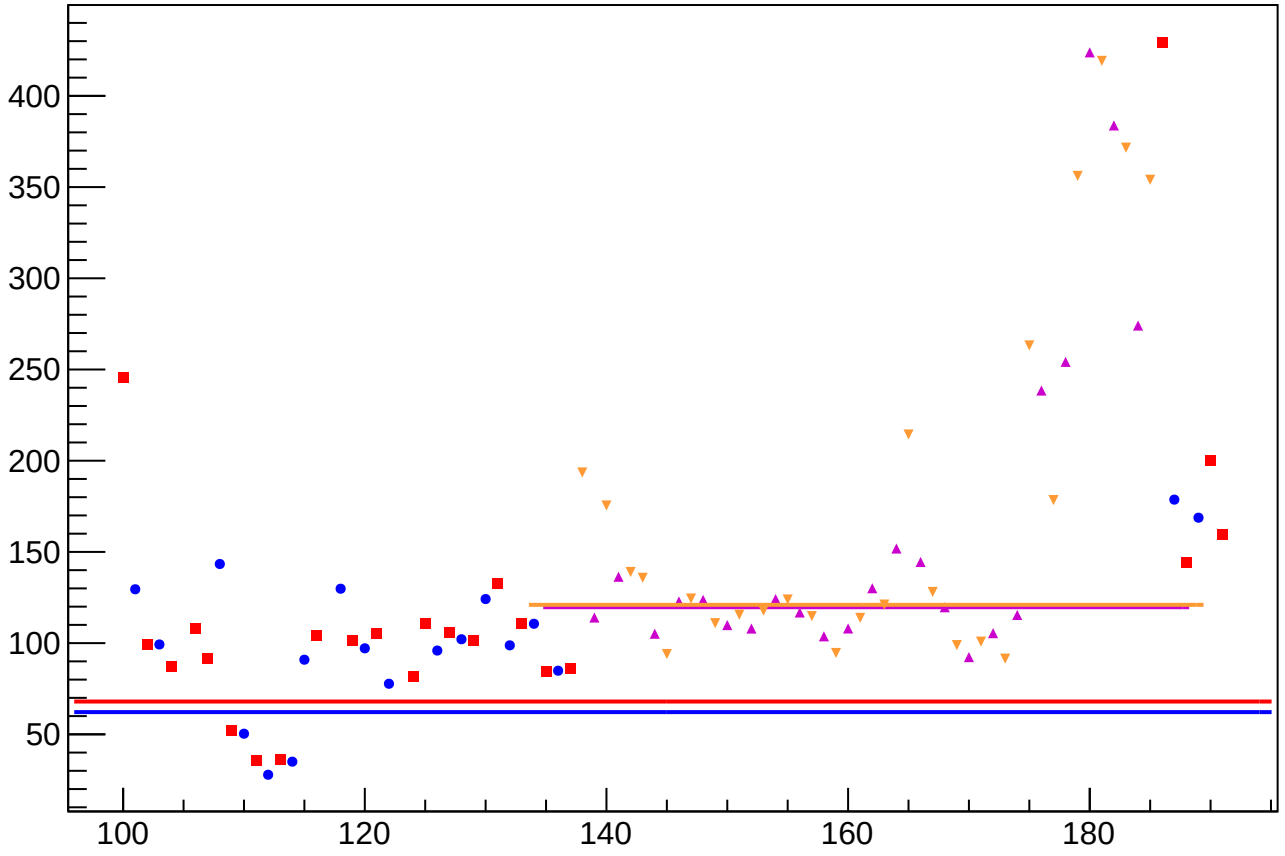
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.031+/-0.020 χ^2/NDF: 47.5/42

All: 0.013+/-0.014 χ^2/NDF: 94.5/88

- sign -0.004+/-0.020 χ^2/NDF: 45.5/45

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

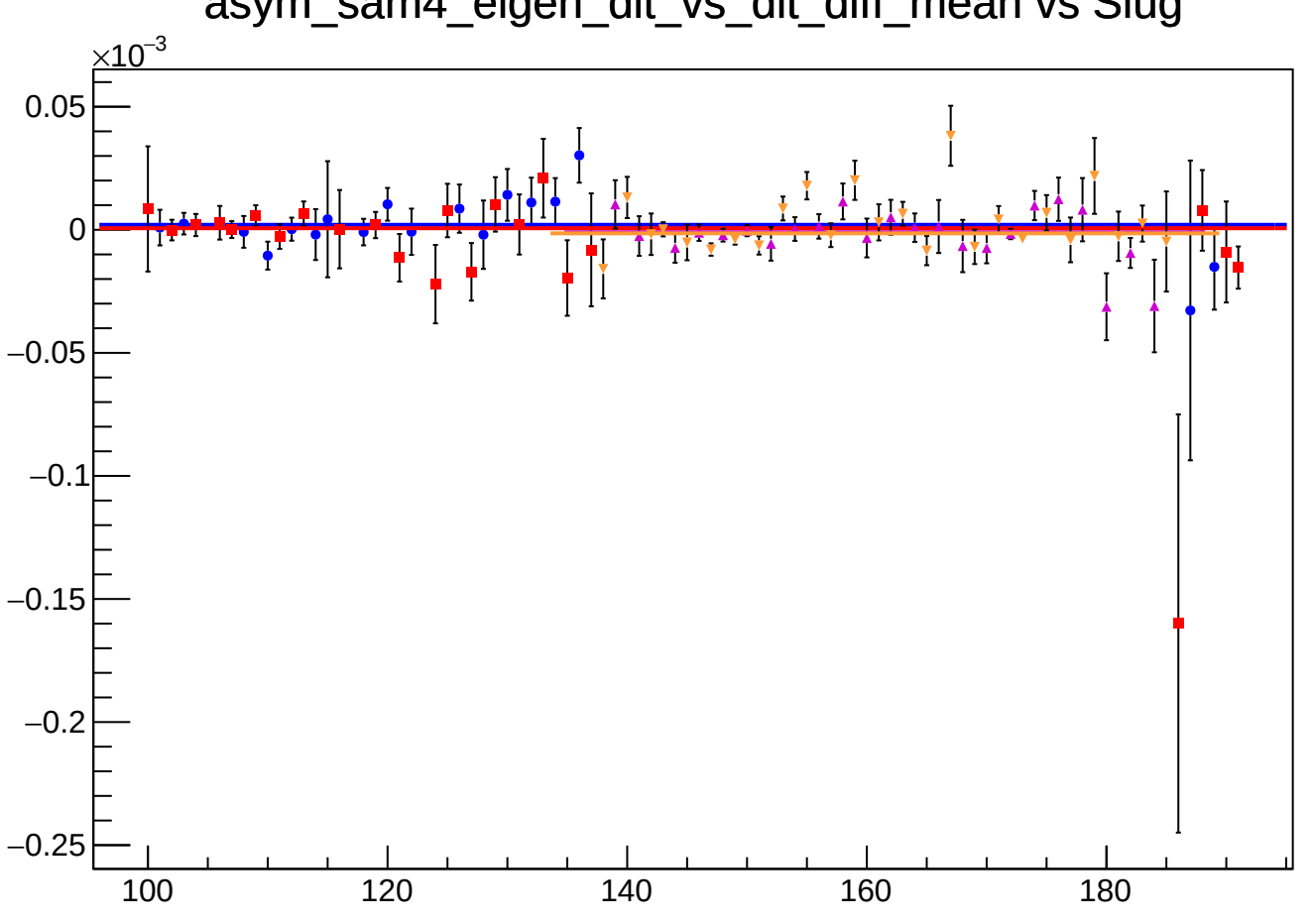
Right Out: 67.987+/-0.019 χ^2/NDF: 4215530.3/22

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

+ sign 88.374+/-0.014 χ^2/NDF: 12466850.3/42

All: 89.286+/-0.010 χ^2/NDF: 22866681.1/88

- sign 90.185+/-0.014 χ^2/NDF: 10391534.3/45



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: 21.7/22

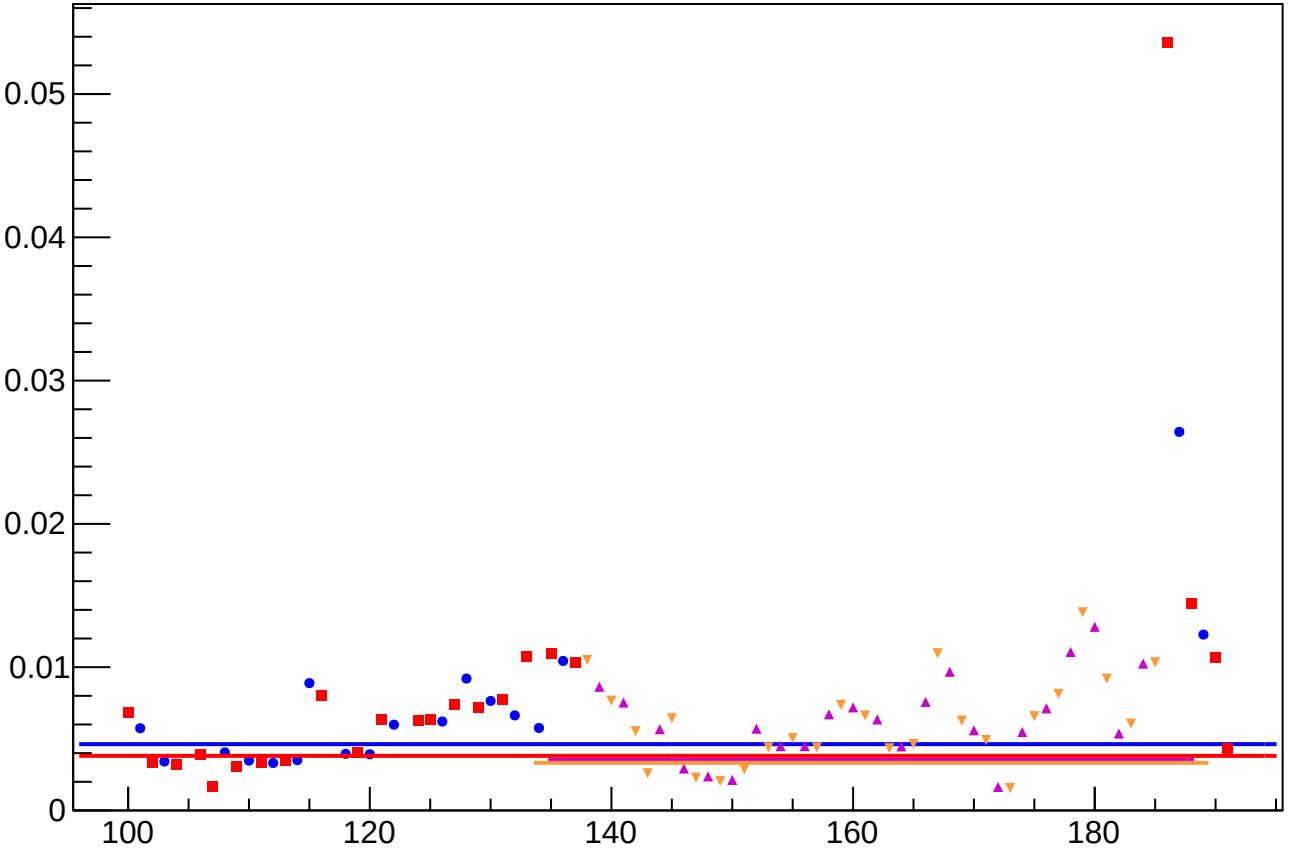
Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 82.1/42

All: -0.000+/-0.000 χ^2/NDF: 129.2/88

- sign -0.000+/-0.000 χ^2/NDF: 47.0/45

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: 4717396.5/22

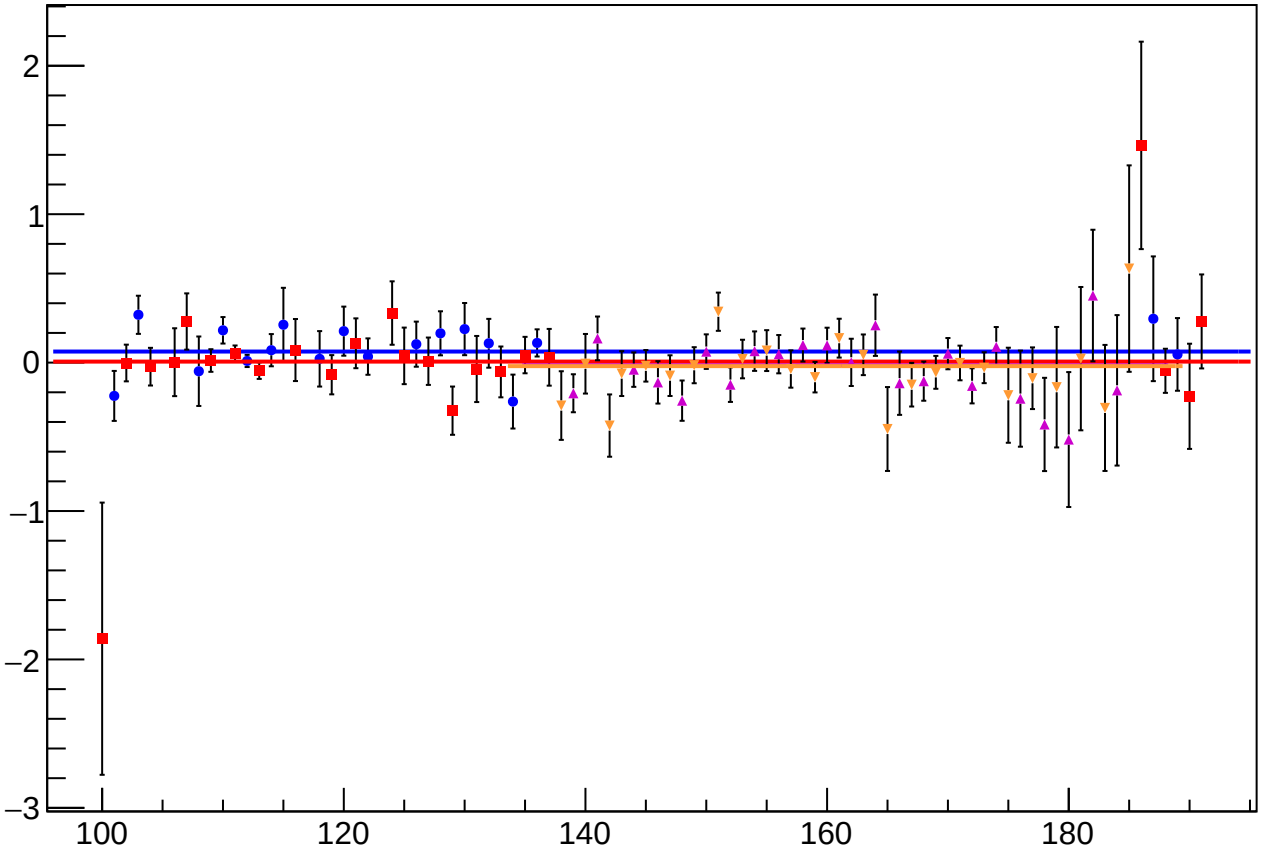
Left In: 0.004+/-0.000 χ^2/NDF:9426441.5/22

+ sign 0.004+/-0.000 χ^2/NDF: 13690219.0/42

All: 0.004+/-0.000 χ^2/NDF: 27888279.8/88

- sign 0.004+/-0.000 χ^2/NDF: 14197157.2/45

asym_sam4_eigen_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: 0.007+/-0.026 χ^2/NDF: 22.1/22

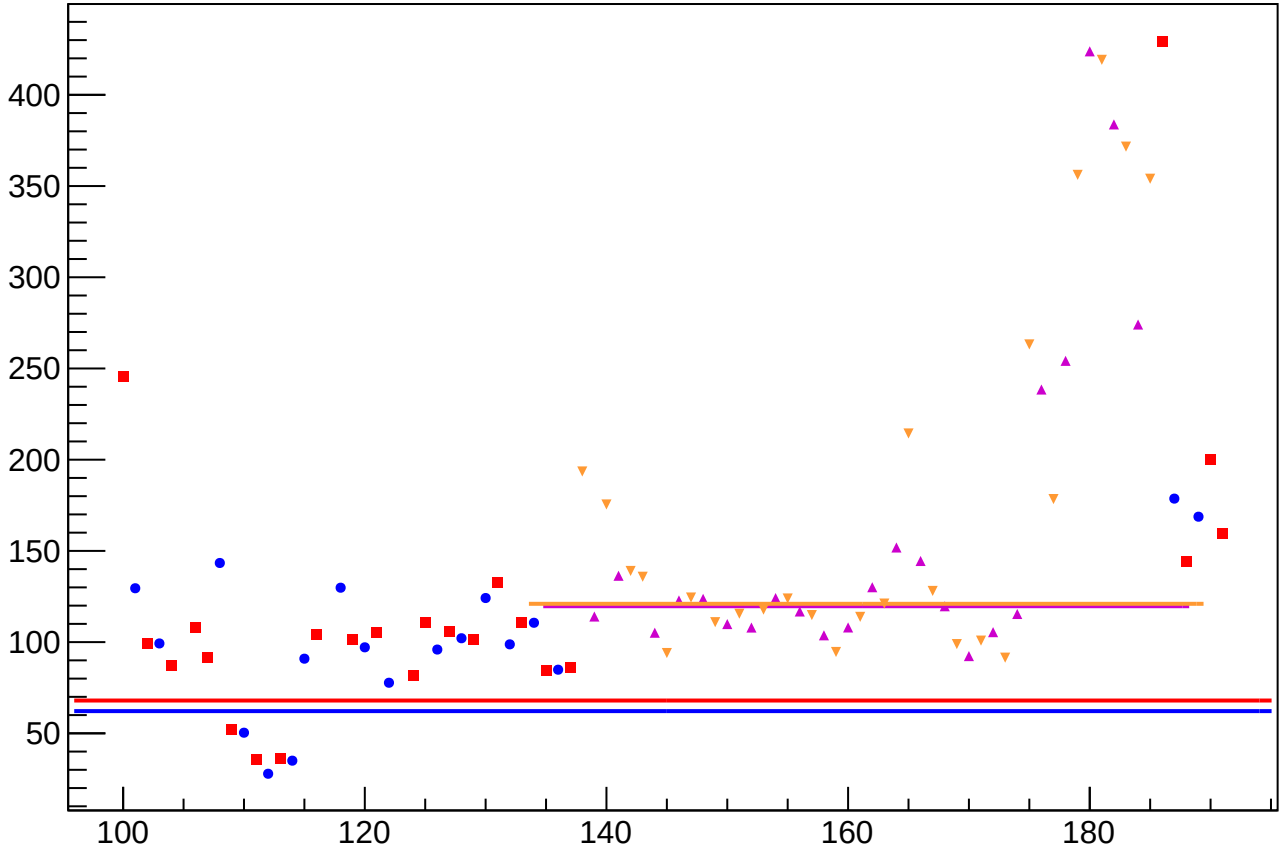
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.031+/-0.020 χ^2/NDF: 47.5/42

All: 0.013+/-0.014 χ^2/NDF: 94.5/88

- sign -0.004+/-0.020 χ^2/NDF: 45.5/45

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: 67.985+/-0.019 χ^2/NDF: 4215846.7/22

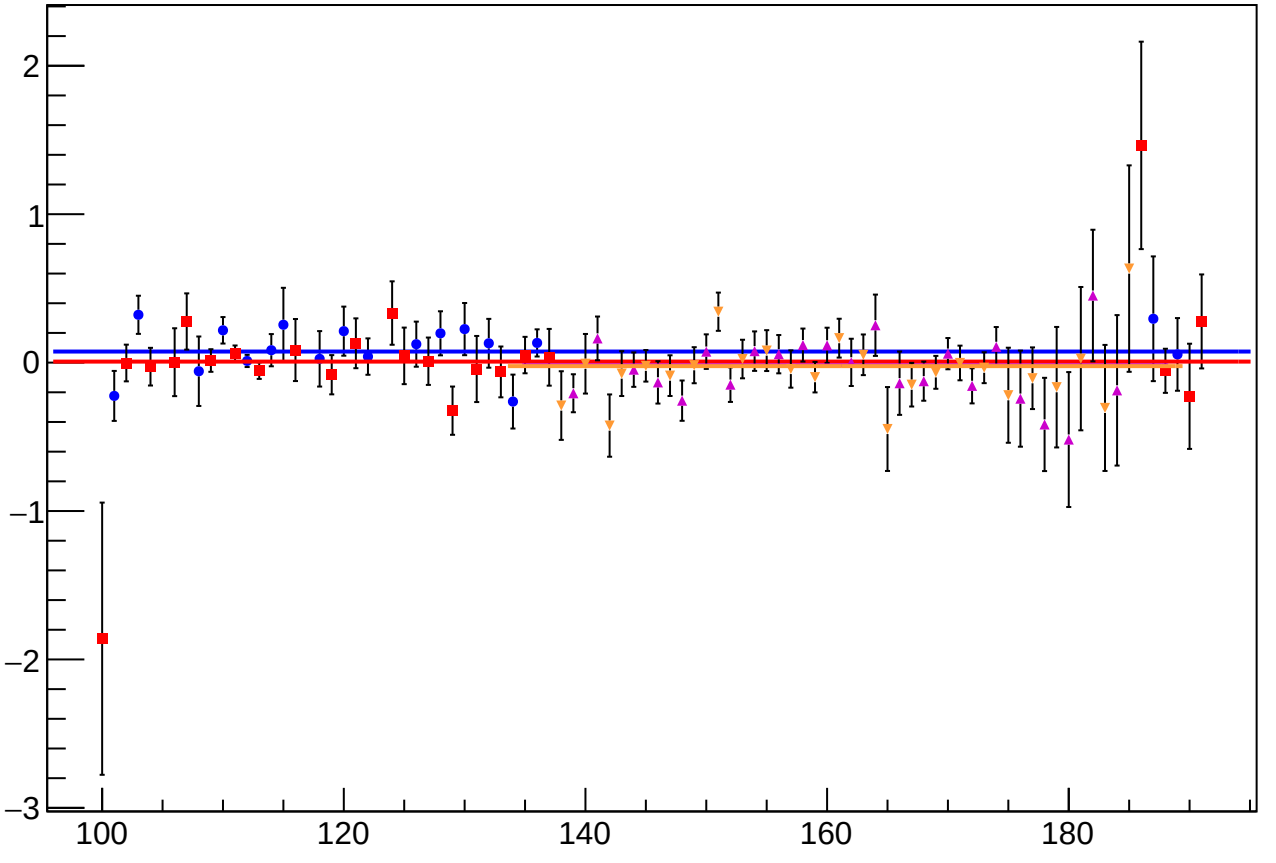
Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

+ sign 88.373+/-0.014 χ^2/NDF: 12467559.1/42

All: 89.285+/-0.010 χ^2/NDF: 22868028.8/88

- sign 90.184+/-0.014 χ^2/NDF: 10392169.9/45

asym_sam4_eigen_dit_vs_eigen_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

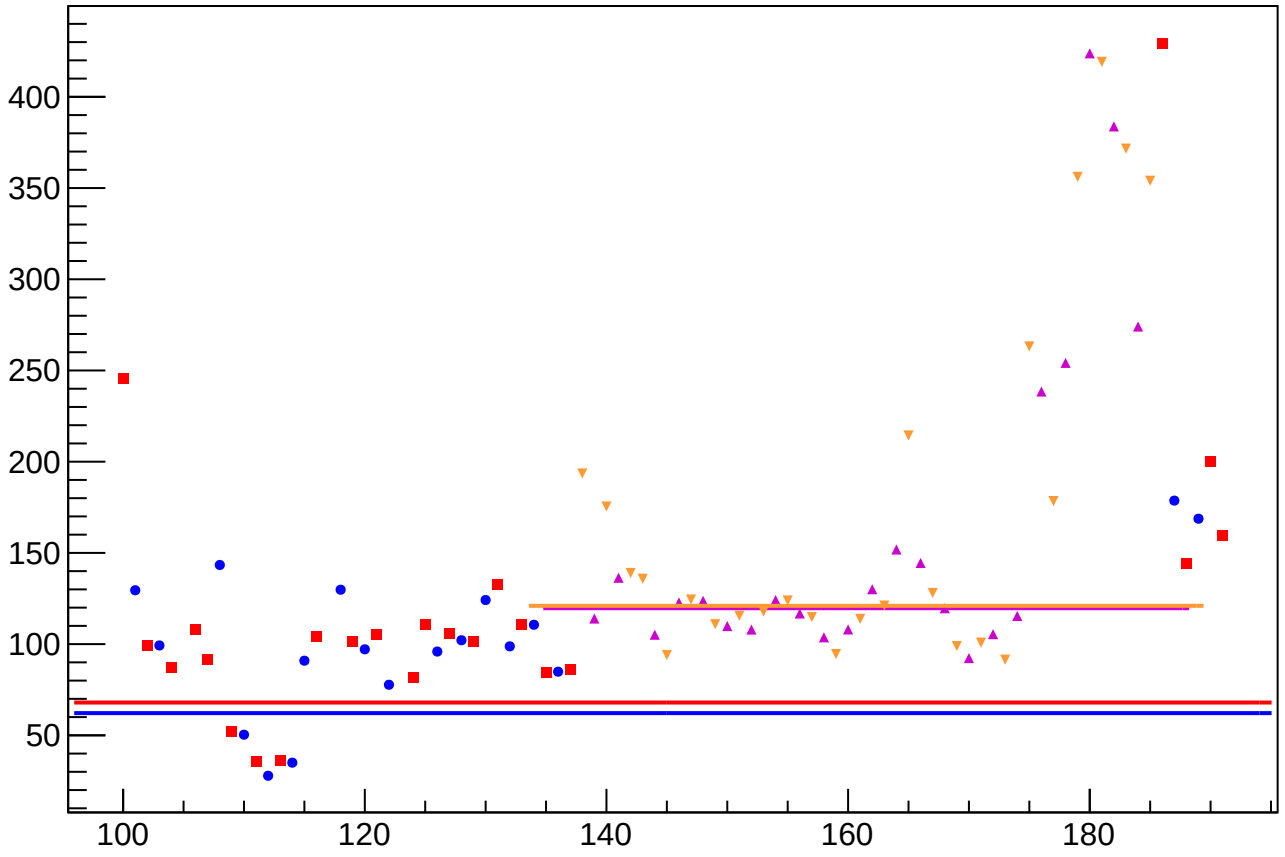
Right Out: 0.007+/-0.026 χ^2/NDF: 22.1/22

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: 94.5/88

- sign -0.004+/-0.020 χ^2/NDF: 45.5/45



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: 67.985+/-0.019 χ^2/NDF: 4215846.7/22

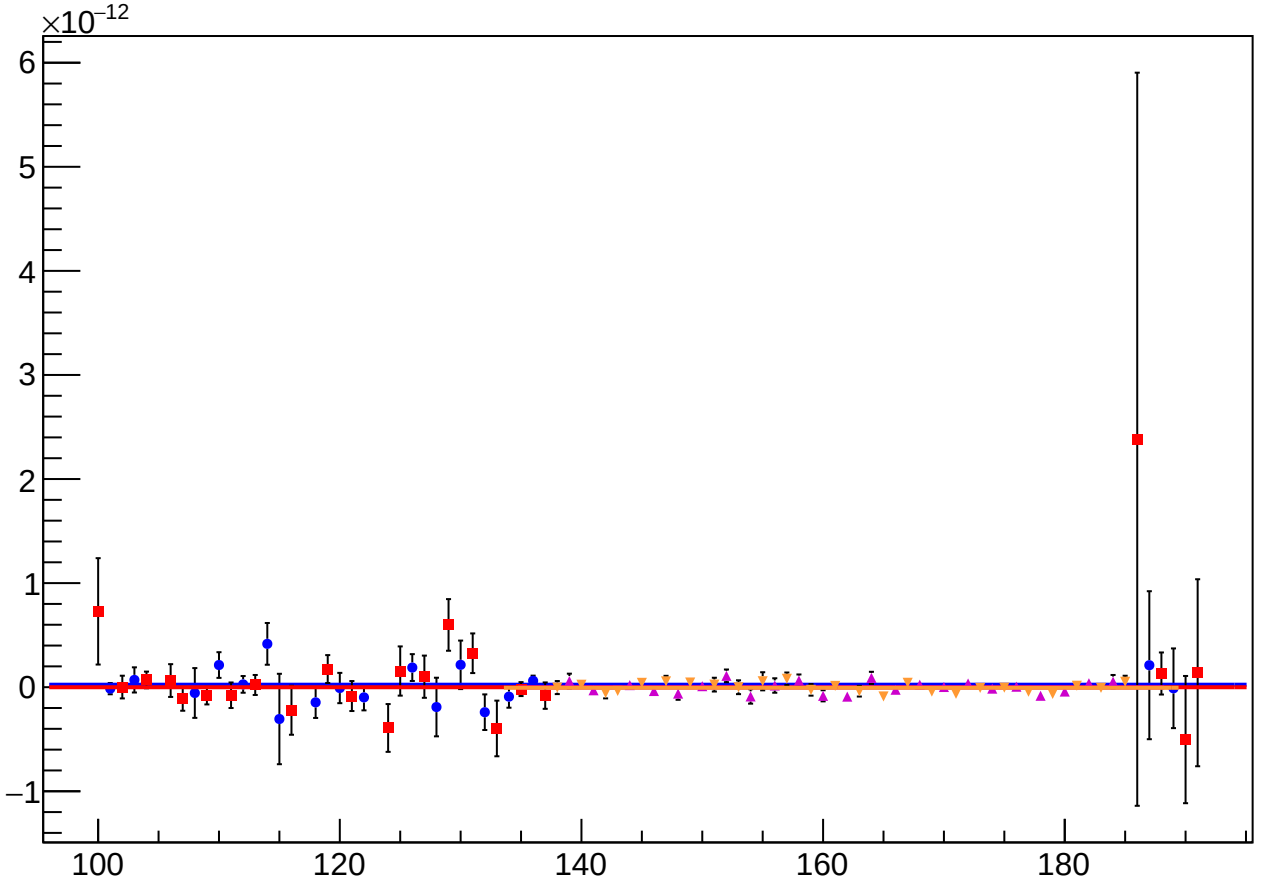
Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

+ sign 88.373+/-0.014 χ^2/NDF: 12467559.1/42

All: 89.285+/-0.010 χ^2/NDF: 22868028.8/88

- sign 90.184+/-0.014 χ^2/NDF: 10392169.9/45

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

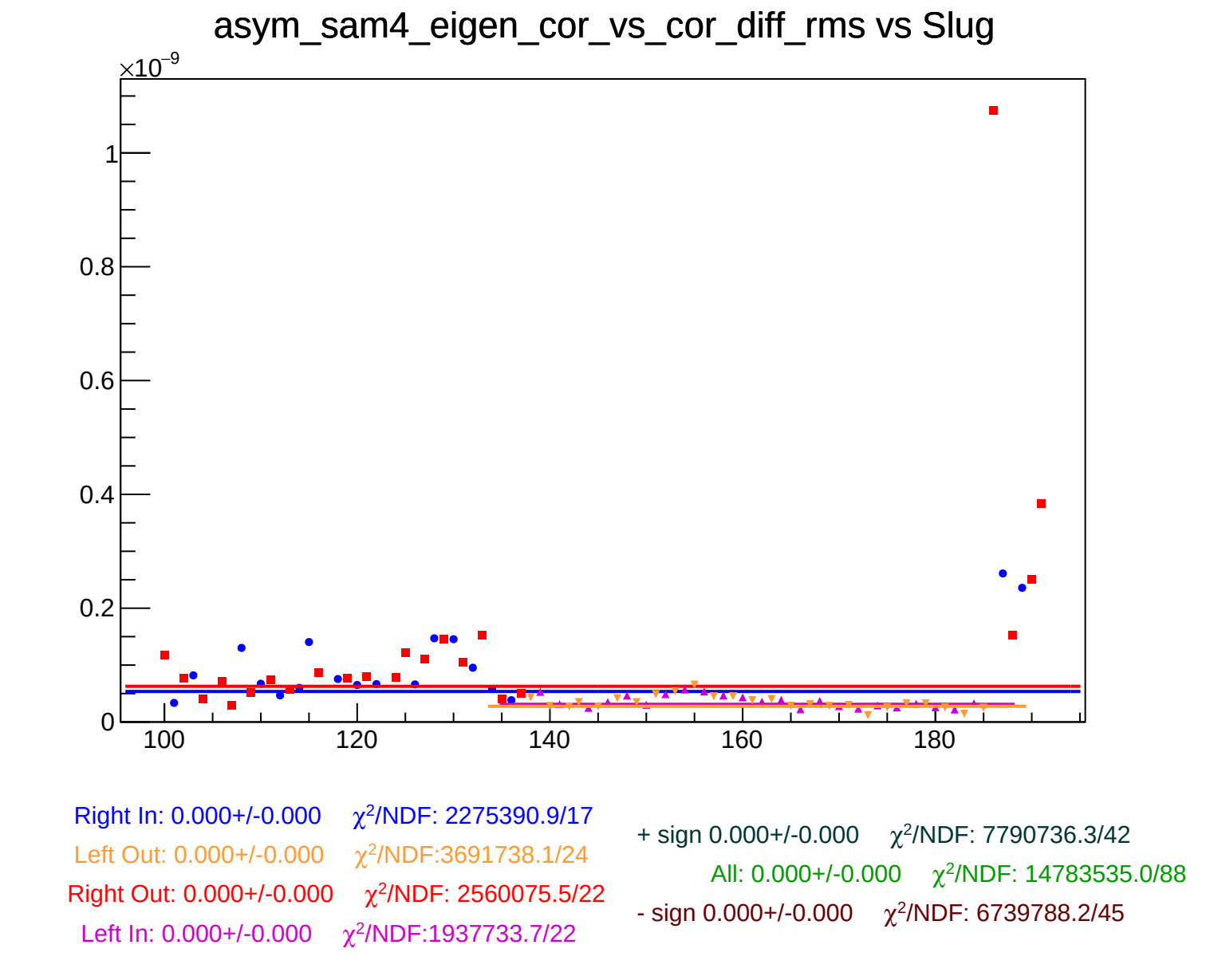
Right Out: -0.000+/-0.000 χ^2/NDF: 24.8/22

Left In: -0.000+/-0.000 χ^2/NDF:27.6/22

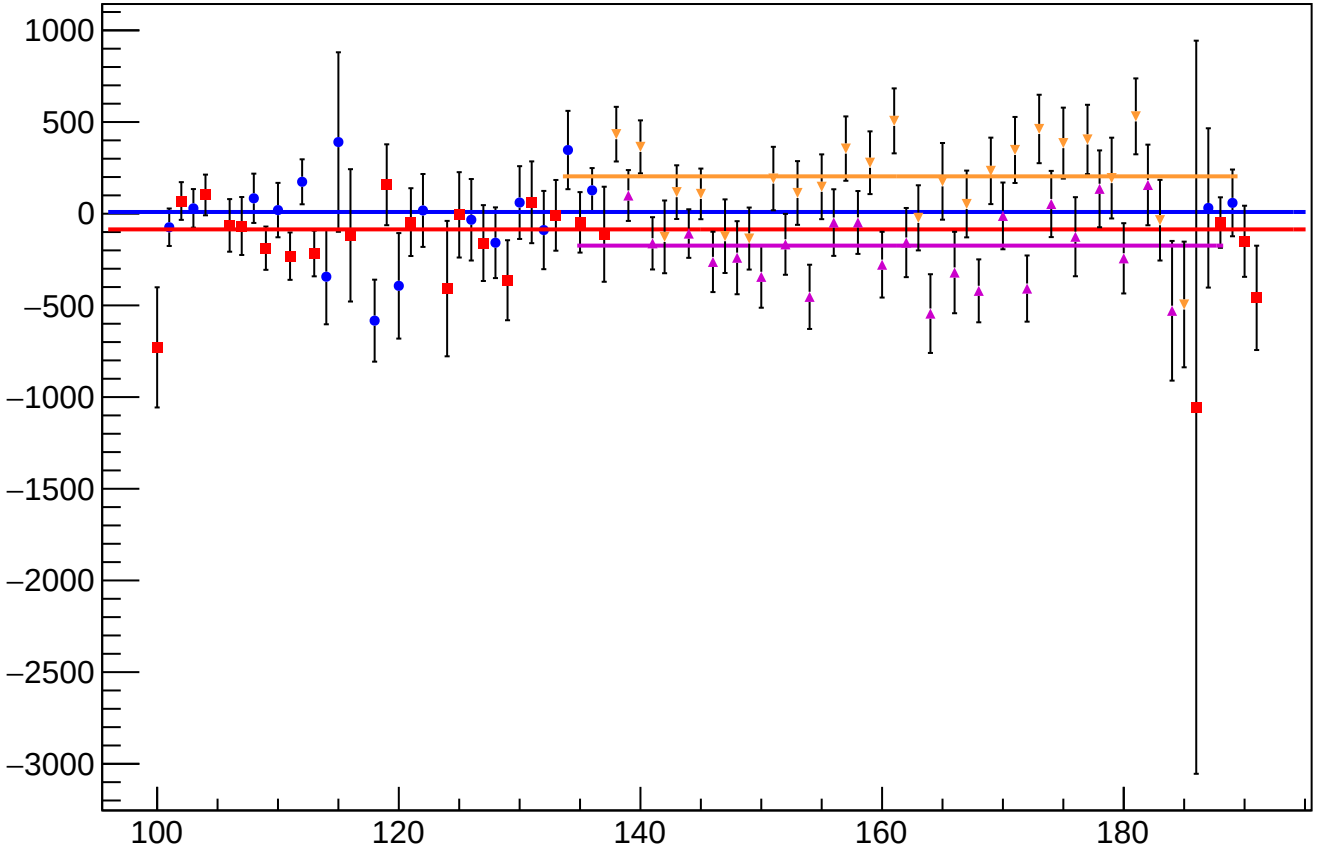
+ sign -0.000+/-0.000 χ^2/NDF: 40.3/42

All: -0.000+/-0.000 χ^2/NDF: 92.6/88

- sign -0.000+/-0.000 χ^2/NDF: 52.4/45


asym_sam4_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 2275390.9/17
Left Out: 0.000+/-0.000 χ²/NDF:3691738.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 2560075.5/22
Left In: 0.000+/-0.000 χ²/NDF:1937733.7/22
+ sign 0.000+/-0.000 χ²/NDF: 7790736.3/42
All: 0.000+/-0.000 χ²/NDF: 14783535.0/88
- sign 0.000+/-0.000 χ²/NDF: 6739788.2/45

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: -85.513+/-35.627 χ^2/NDF: 18.9/22

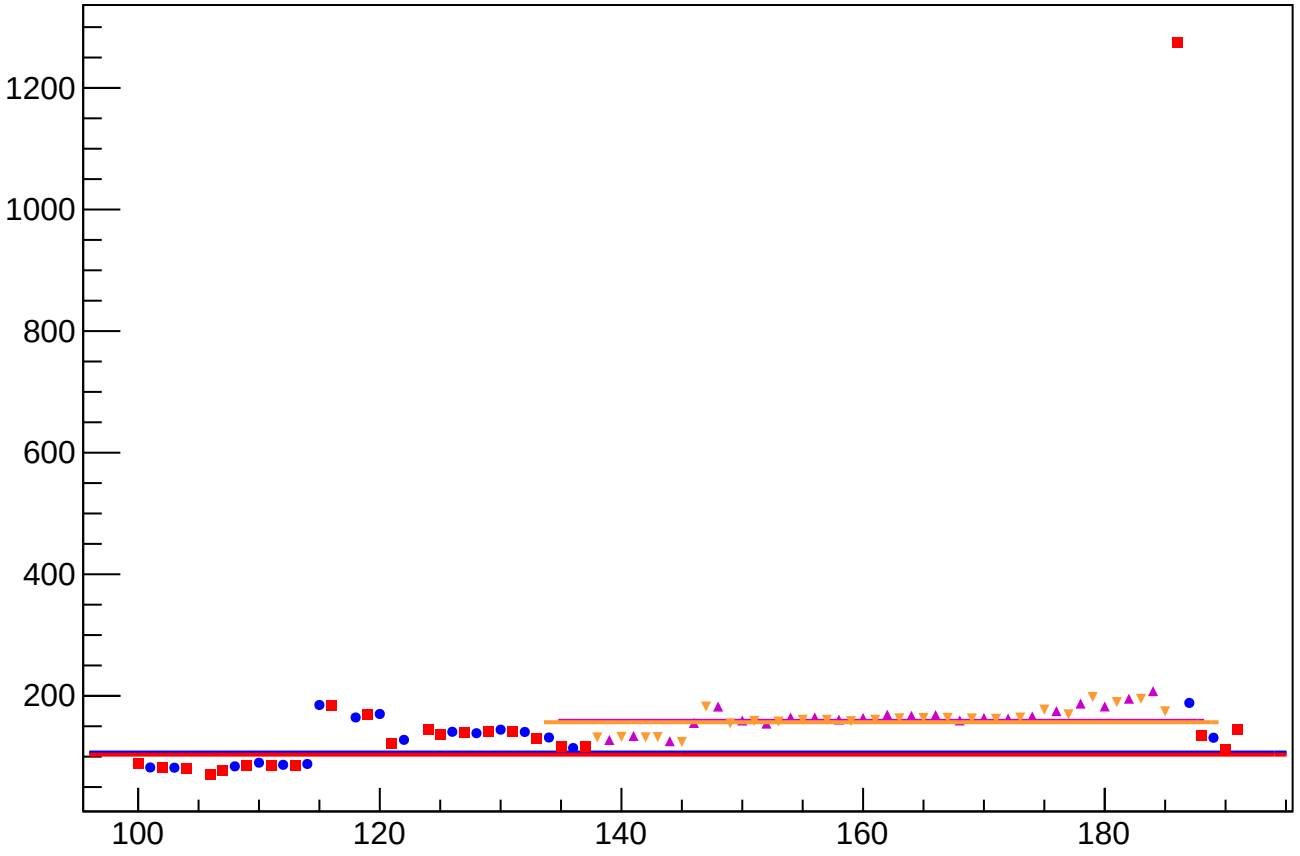
Left In: -173.974+/-37.405 χ^2/NDF:24.5/22

+ sign 115.267+/-26.477 χ^2/NDF: 65.1/42

All: -9.317+/-18.477 χ^2/NDF: 154.6/88

- sign -127.591+/-25.798 χ^2/NDF: 46.3/45

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: 103.340+/-0.025 χ^2/NDF: 1894893.7/22

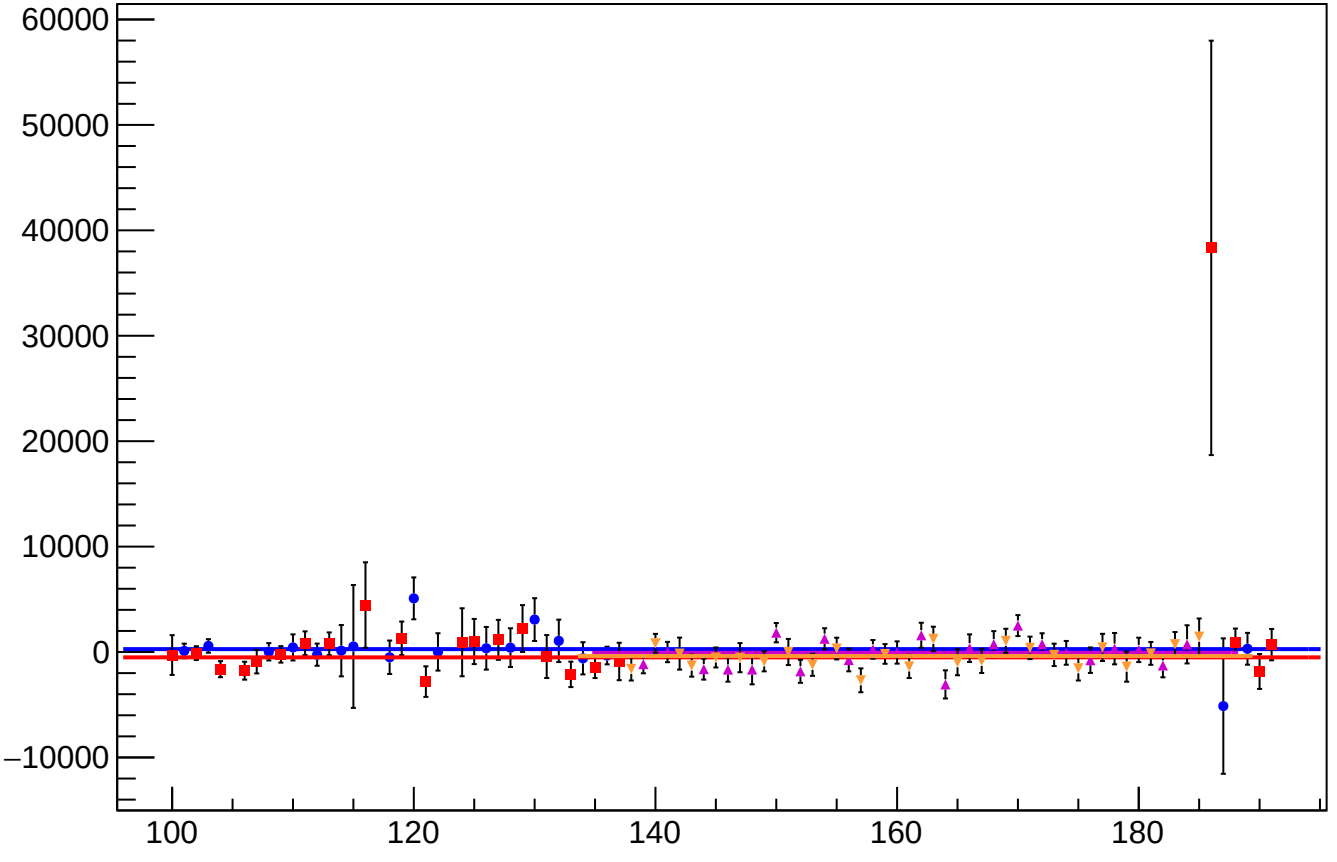
Left In: 158.952+/-0.026 χ^2/NDF:511321.2/22

+ sign 133.925+/-0.019 χ^2/NDF: 3384710.3/42

All: 131.805+/-0.013 χ^2/NDF: 8133913.8/88

- sign 129.792+/-0.018 χ^2/NDF: 4724205.8/45

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: -506.260+/-256.817 χ^2/NDF: 25.3/22

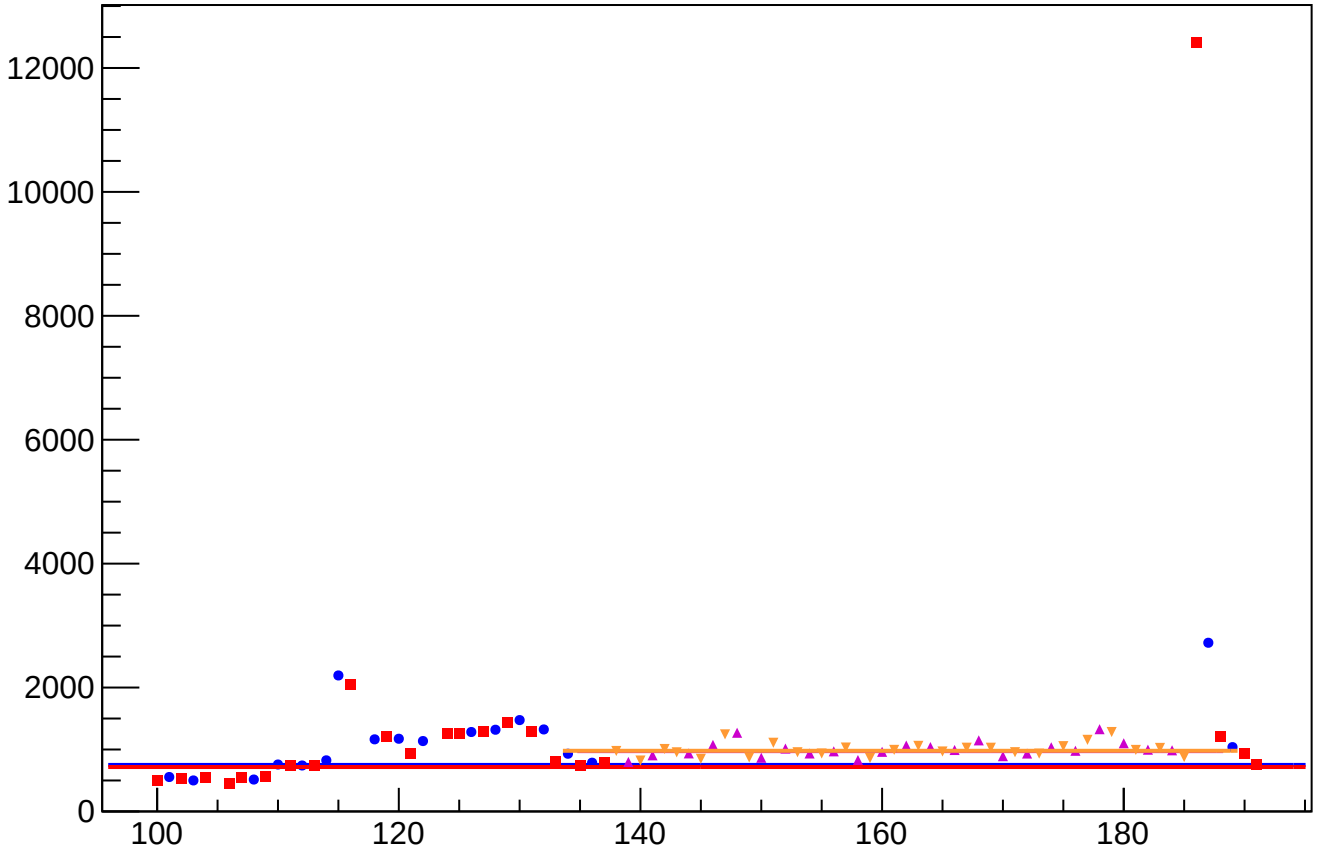
Left In: -74.440+/-229.788 χ^2/NDF:33.1/22

+ sign -131.888+/-177.039 χ^2/NDF: 32.4/42

All: -201.400+/-123.086 χ^2/NDF: 92.6/88

- sign -266.438+/-171.246 χ^2/NDF: 59.9/45

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: 717.236+/-0.182 χ^2/NDF: 2889294.0/22

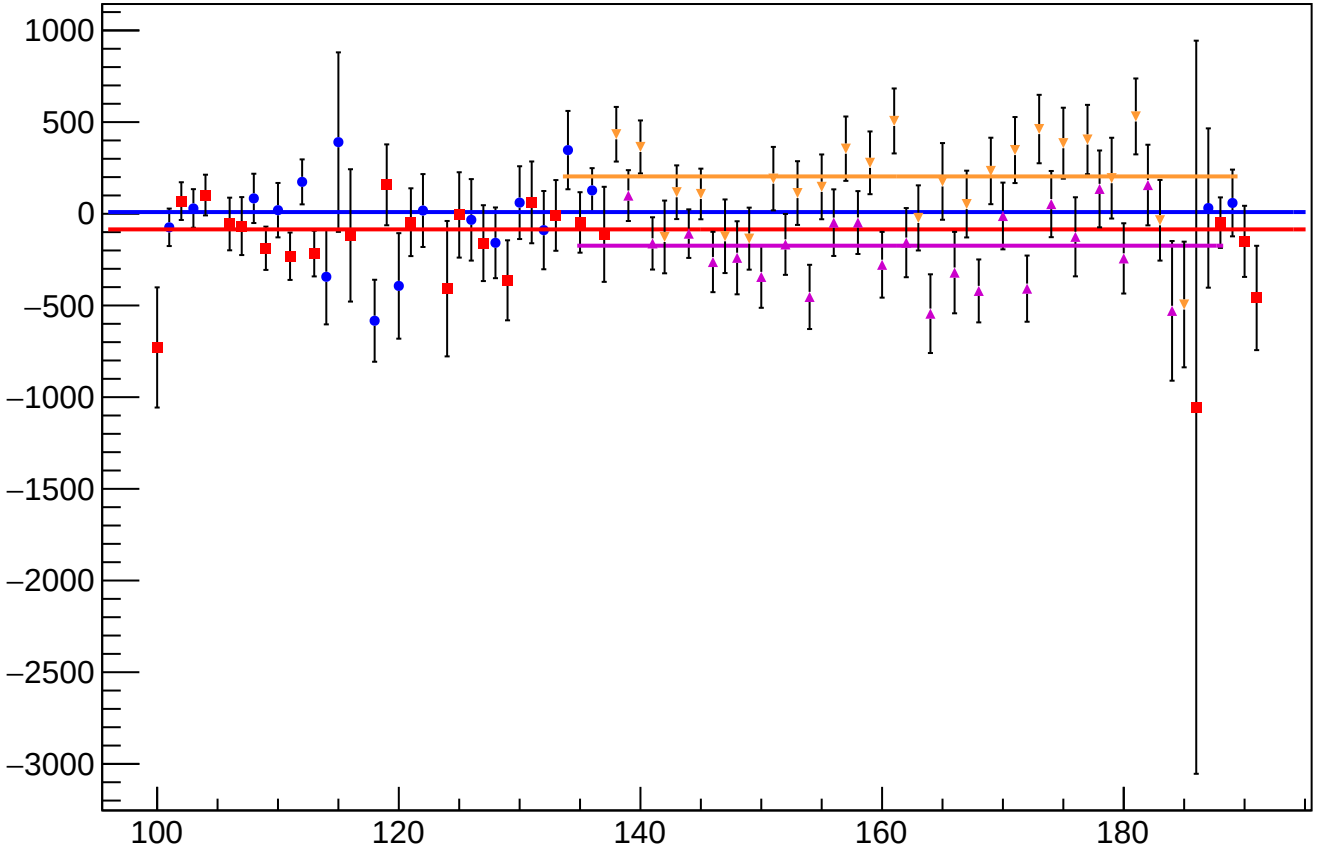
Left In: 973.818+/-0.162 χ^2/NDF:498612.7/22

+ sign 892.809+/-0.125 χ^2/NDF: 3321009.0/42

All: 875.722+/-0.087 χ^2/NDF: 7853695.9/88

- sign 859.735+/-0.121 χ^2/NDF: 4496625.9/45

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: -85.041+/-35.629 χ^2/NDF: 18.9/22

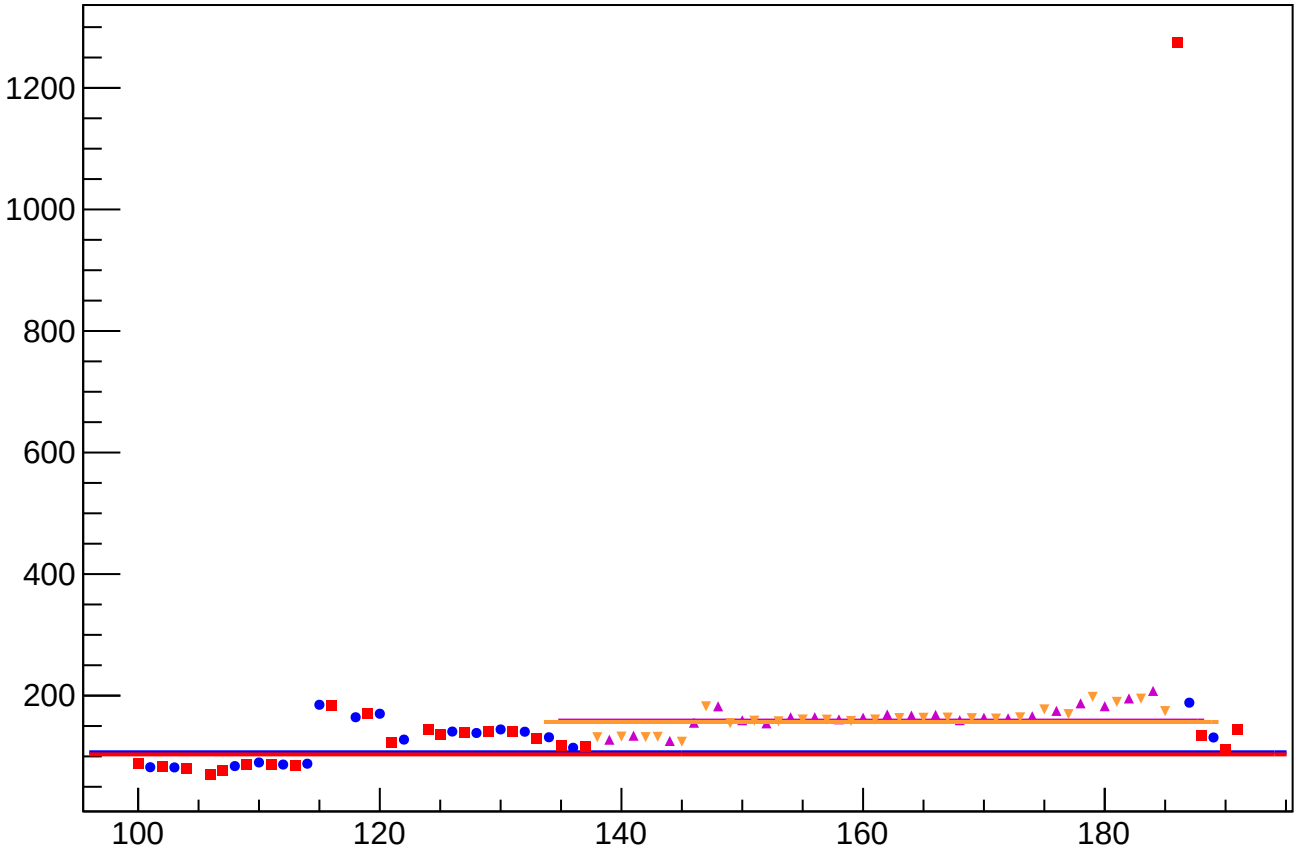
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

+ sign 115.265+/-26.477 χ^2/NDF: 65.1/42

All: -9.189+/-18.478 χ^2/NDF: 154.5/88

- sign -127.348+/-25.799 χ^2/NDF: 46.4/45

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: 103.319+/-0.025 χ^2/NDF: 1897332.6/22

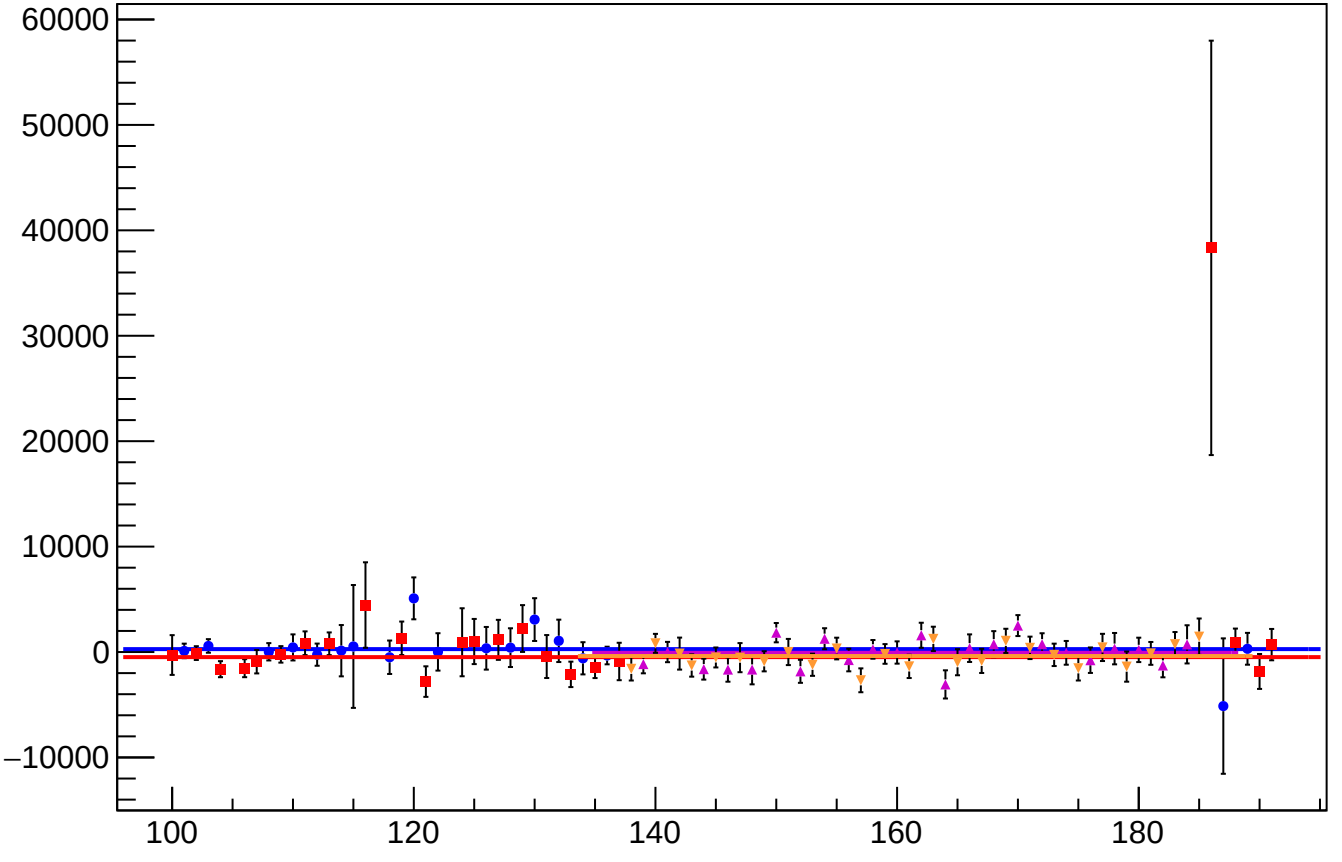
Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 133.925+/-0.019 χ^2/NDF: 3384708.3/42

All: 131.800+/-0.013 χ^2/NDF: 8138041.7/88

- sign 129.783+/-0.018 χ^2/NDF: 4728226.4/45

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: -482.797+/-256.970 χ^2/NDF: 24.5/22

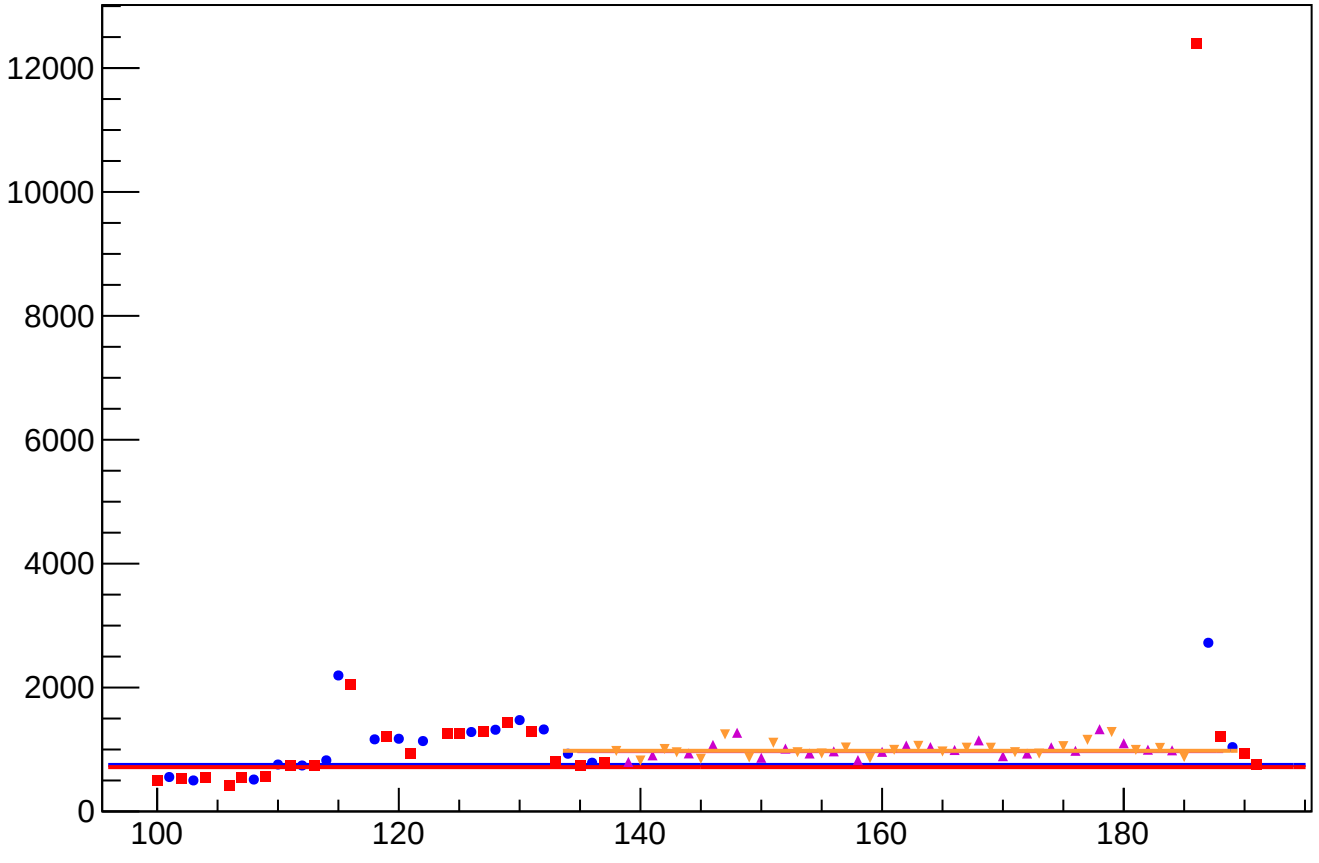
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

+ sign -131.879+/-177.039 χ^2/NDF: 32.4/42

All: -195.927+/-123.103 χ^2/NDF: 91.6/88

- sign -255.884+/-171.291 χ^2/NDF: 59.0/45

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: 715.345+/-0.182 χ^2/NDF: 2924135.6/22

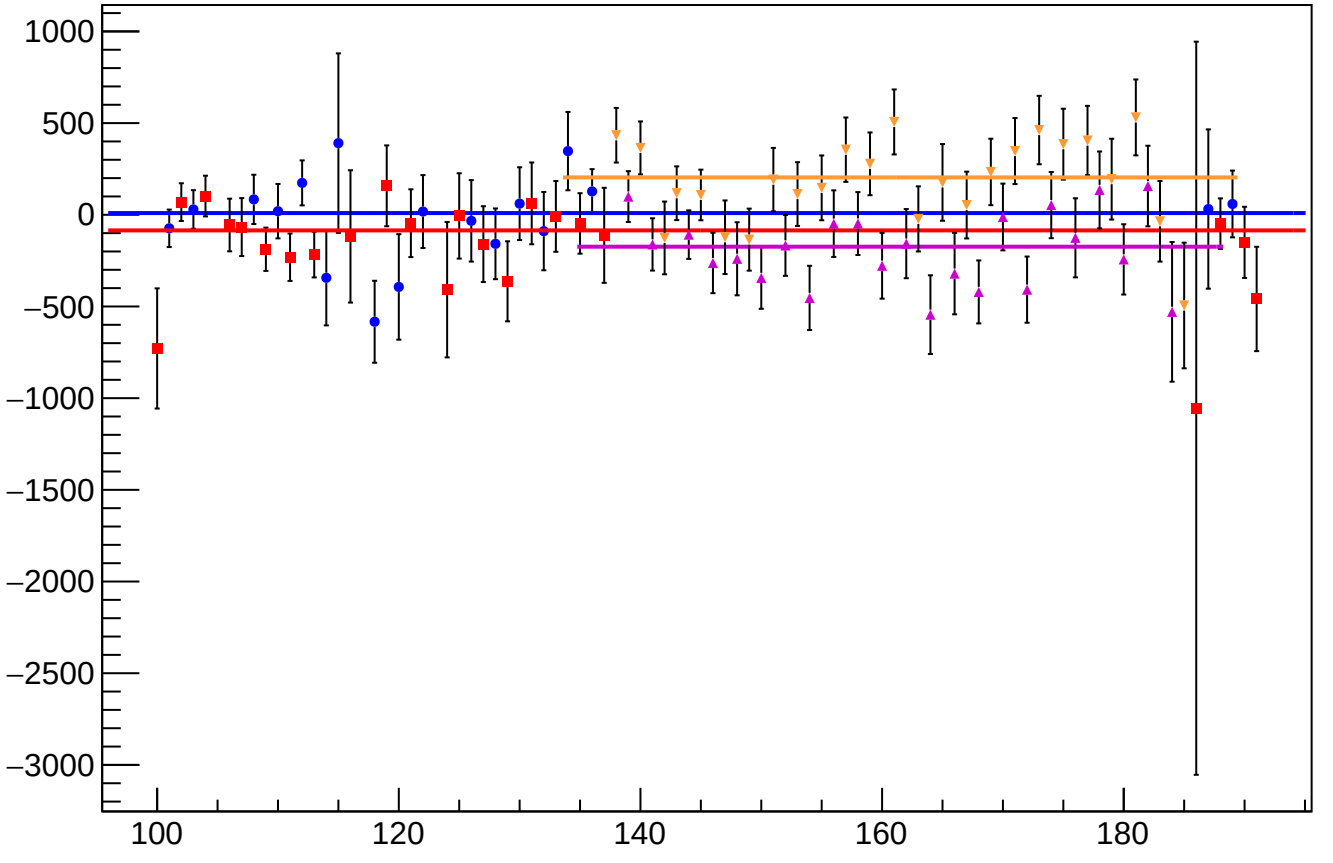
Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

+ sign 892.808+/-0.125 χ^2/NDF: 3321015.7/42

All: 875.331+/-0.087 χ^2/NDF: 7905872.8/88

- sign 858.971+/-0.121 χ^2/NDF: 4547120.4/45

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: -85.041+/-35.629 χ^2/NDF: 18.9/22

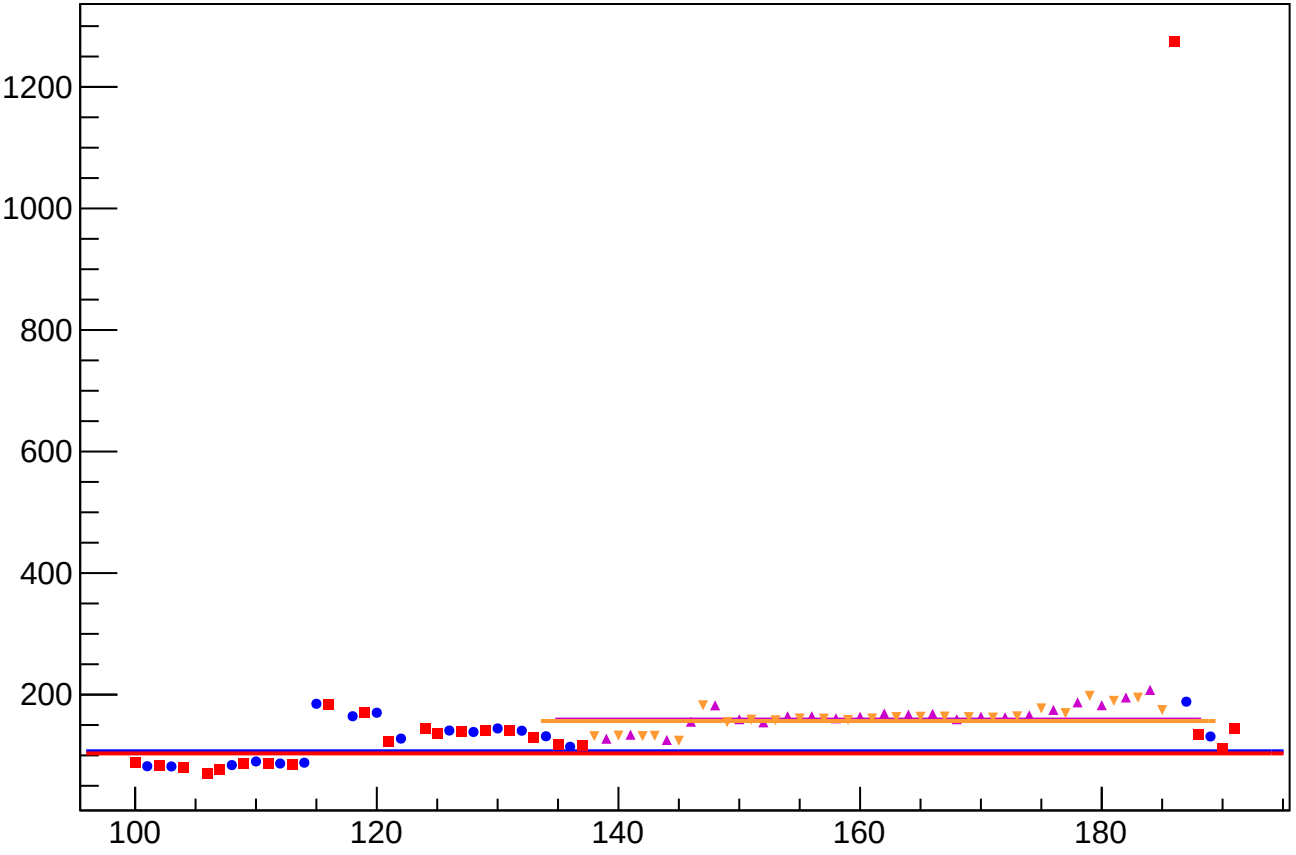
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

+ sign 115.265+/-26.477 χ^2/NDF: 65.1/42

All: -9.189+/-18.478 χ^2/NDF: 154.5/88

- sign -127.348+/-25.799 χ^2/NDF: 46.4/45

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: 103.319+/-0.025 χ^2/NDF: 1897332.6/22

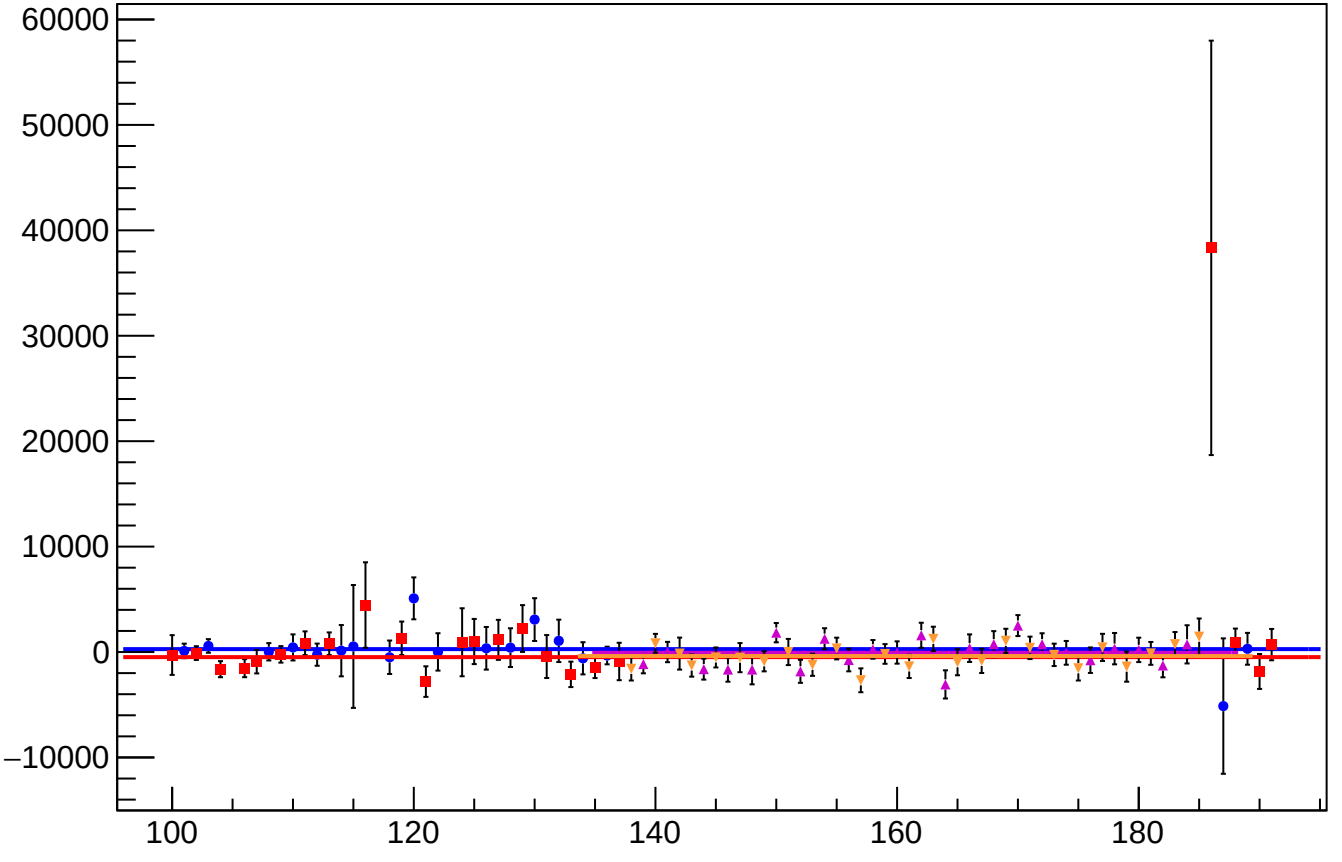
Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 133.925+/-0.019 χ^2/NDF: 3384708.3/42

All: 131.800+/-0.013 χ^2/NDF: 8138041.7/88

- sign 129.783+/-0.018 χ^2/NDF: 4728226.4/45

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: -482.797+/-256.970 χ^2/NDF: 24.5/22

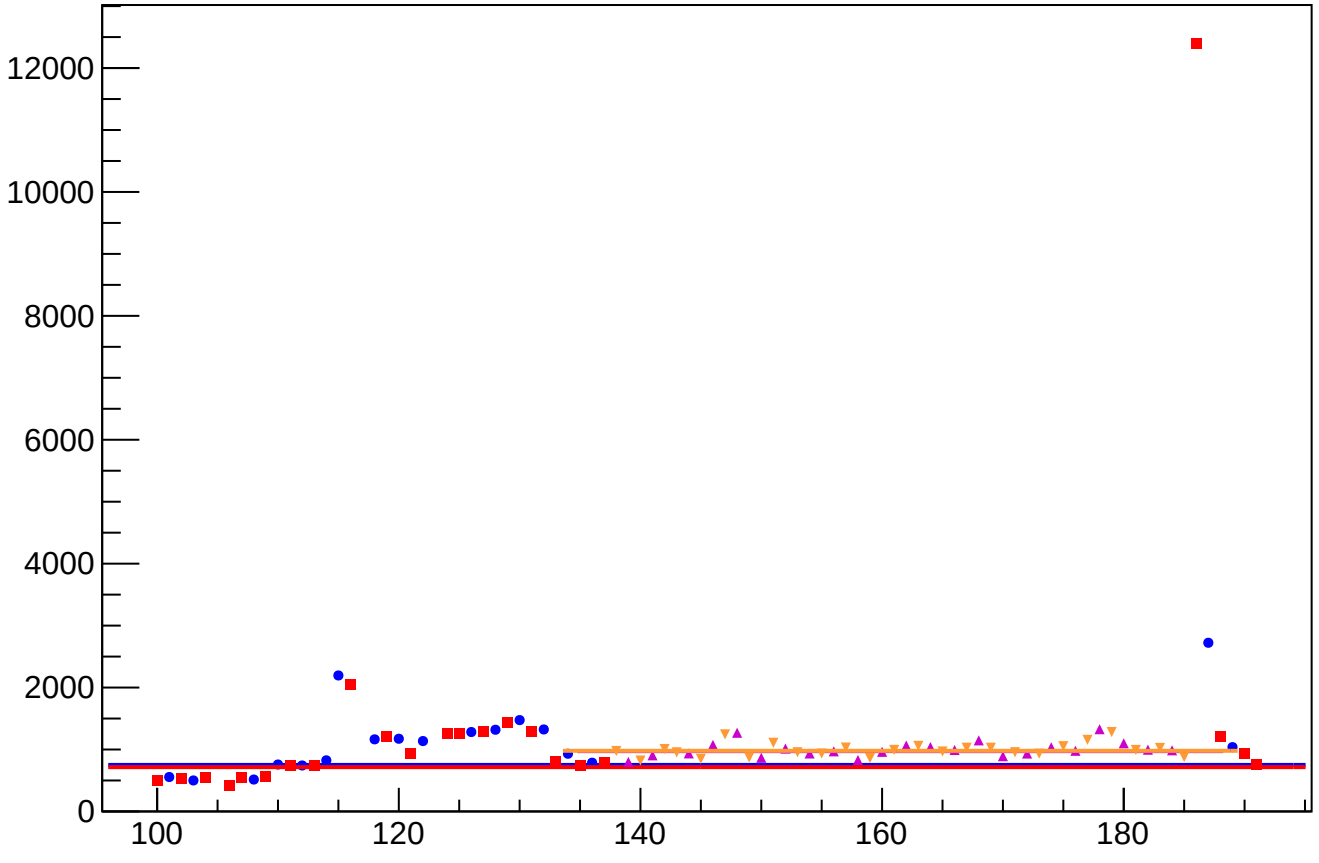
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

+ sign -131.879+/-177.039 χ^2/NDF: 32.4/42

All: -195.927+/-123.103 χ^2/NDF: 91.6/88

- sign -255.884+/-171.291 χ^2/NDF: 59.0/45

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: 715.345+/-0.182 χ^2/NDF: 2924135.6/22

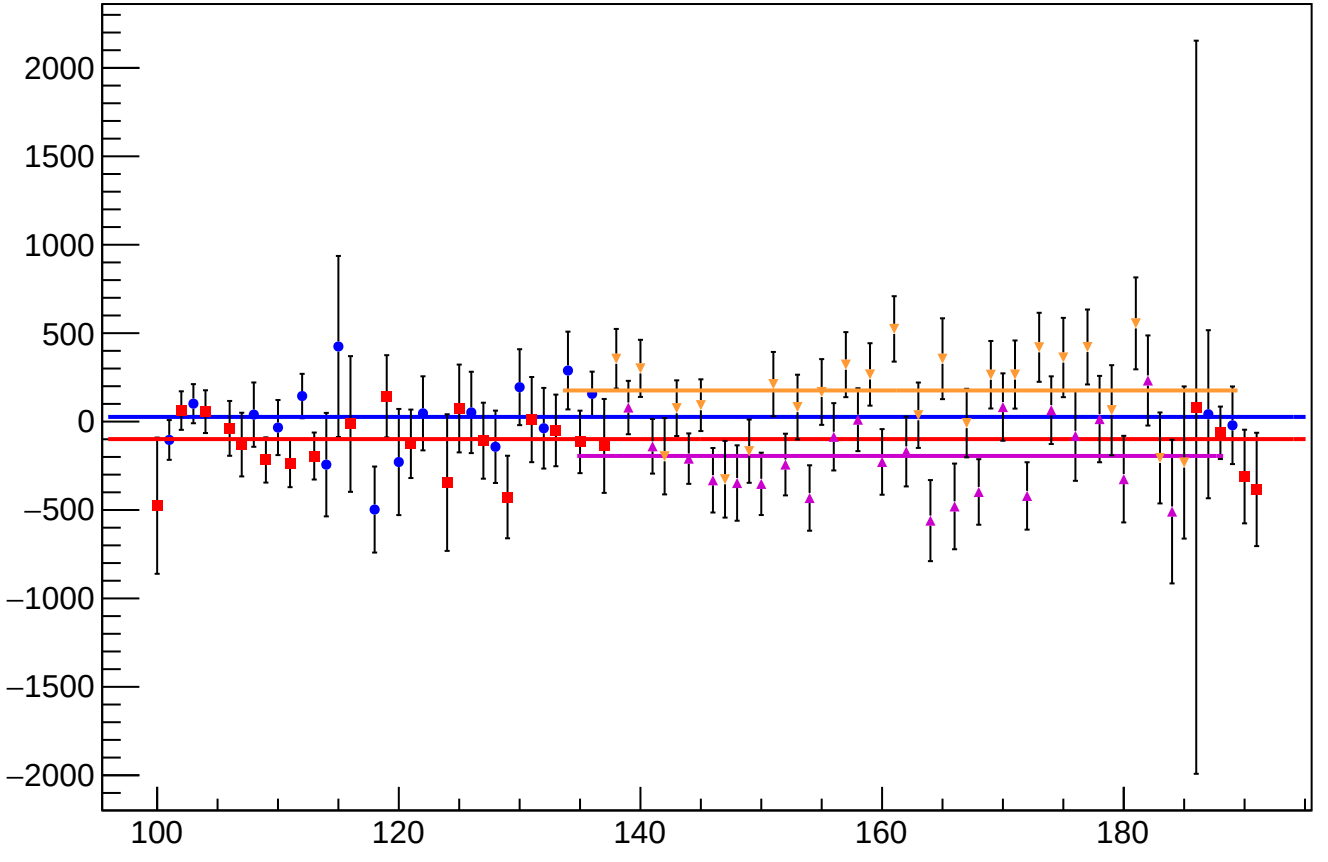
Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

+ sign 892.808+/-0.125 χ^2/NDF: 3321015.7/42

All: 875.331+/-0.087 χ^2/NDF: 7905872.8/88

- sign 858.971+/-0.121 χ^2/NDF: 4547120.4/45

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: -99.042+/-38.401 χ^2/NDF: 13.2/22

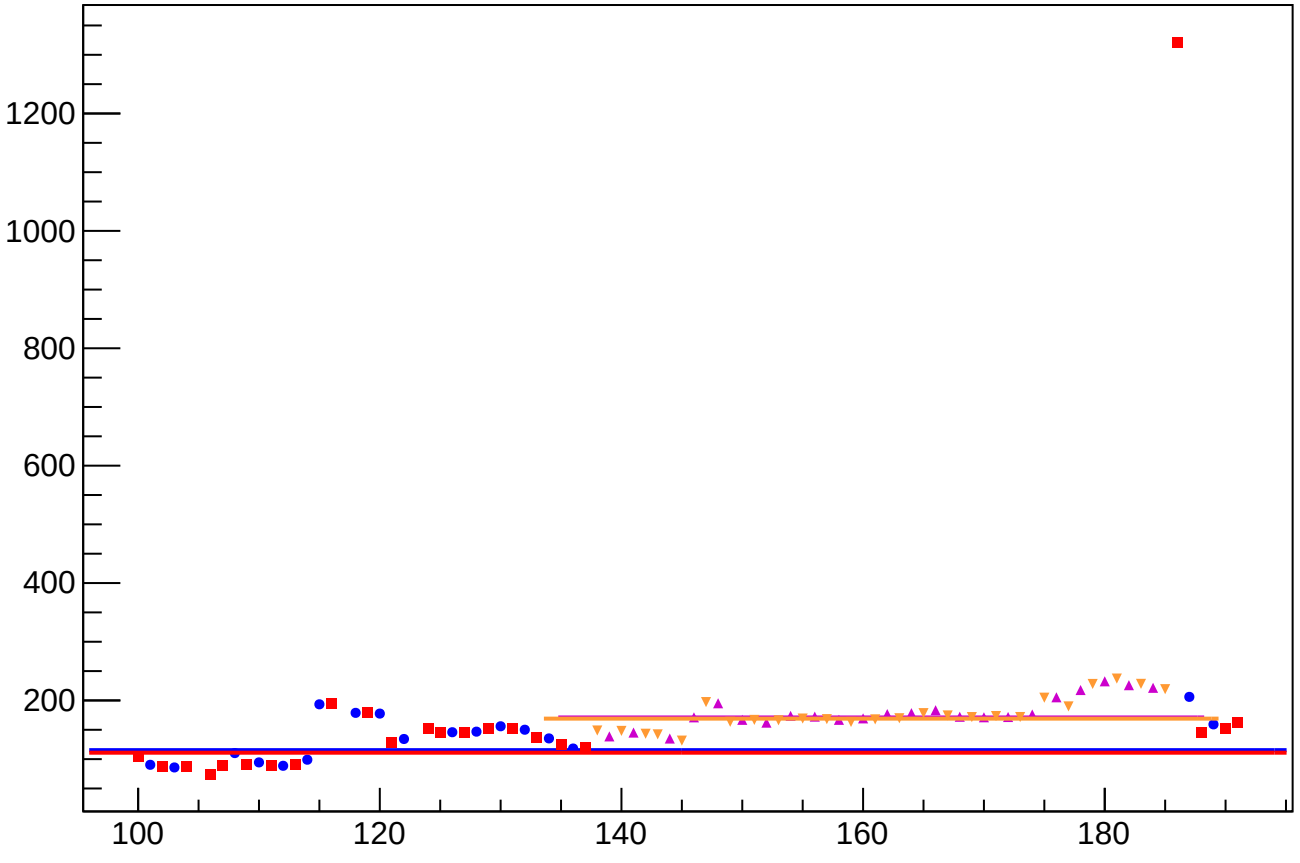
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 107.813+/-28.652 χ^2/NDF: 51.1/42

All: -21.914+/-19.962 χ^2/NDF: 131.0/88

- sign -144.286+/-27.828 χ^2/NDF: 40.0/45

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: 110.964+/-0.027 χ^2/NDF: 1917829.7/22

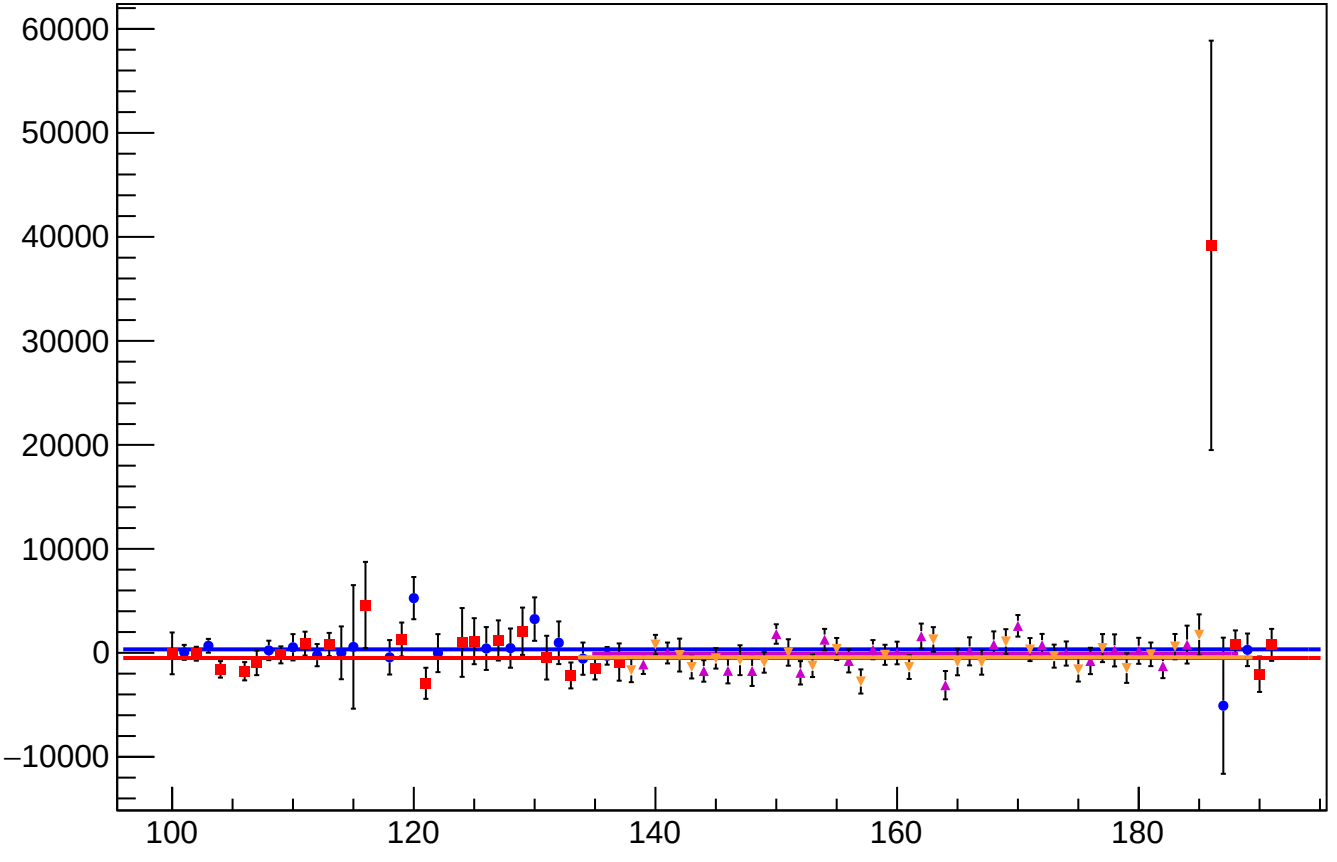
Left In: 171.021+/-0.029 χ^2/NDF:678106.1/22

+ sign 144.541+/-0.020 χ^2/NDF: 3547469.5/42

All: 141.938+/-0.014 χ^2/NDF: 8498425.7/88

- sign 139.482+/-0.020 χ^2/NDF: 4918866.8/45

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: -497.286+/-265.574 χ^2/NDF: 25.0/22

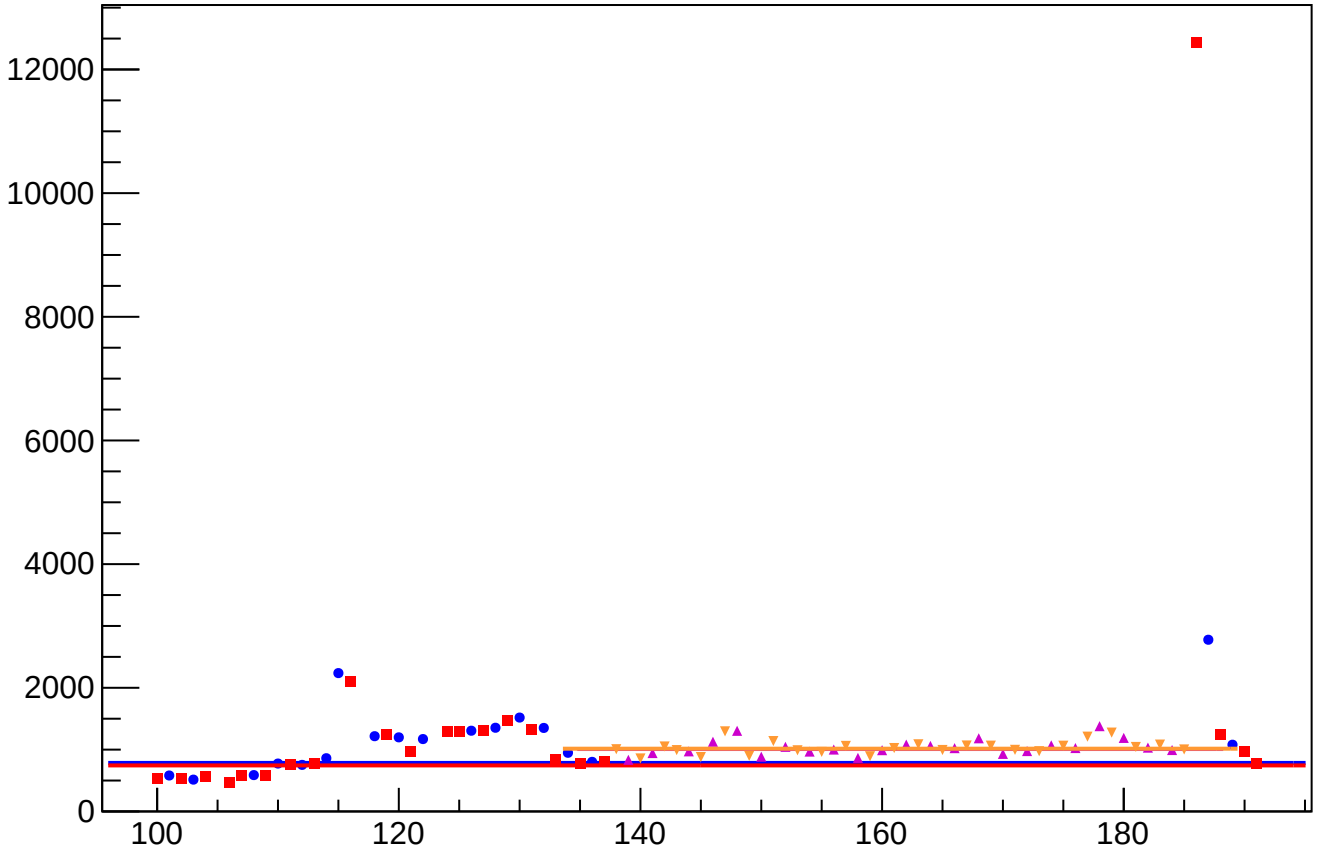
Left In: -86.486+/-238.155 χ^2/NDF:32.4/22

+ sign -139.282+/-183.660 χ^2/NDF: 32.9/42

All: -206.730+/-127.561 χ^2/NDF: 91.9/88

- sign -269.591+/-177.305 χ^2/NDF: 58.7/45

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: 744.556+/-0.188 χ^2/NDF: 2818299.1/22

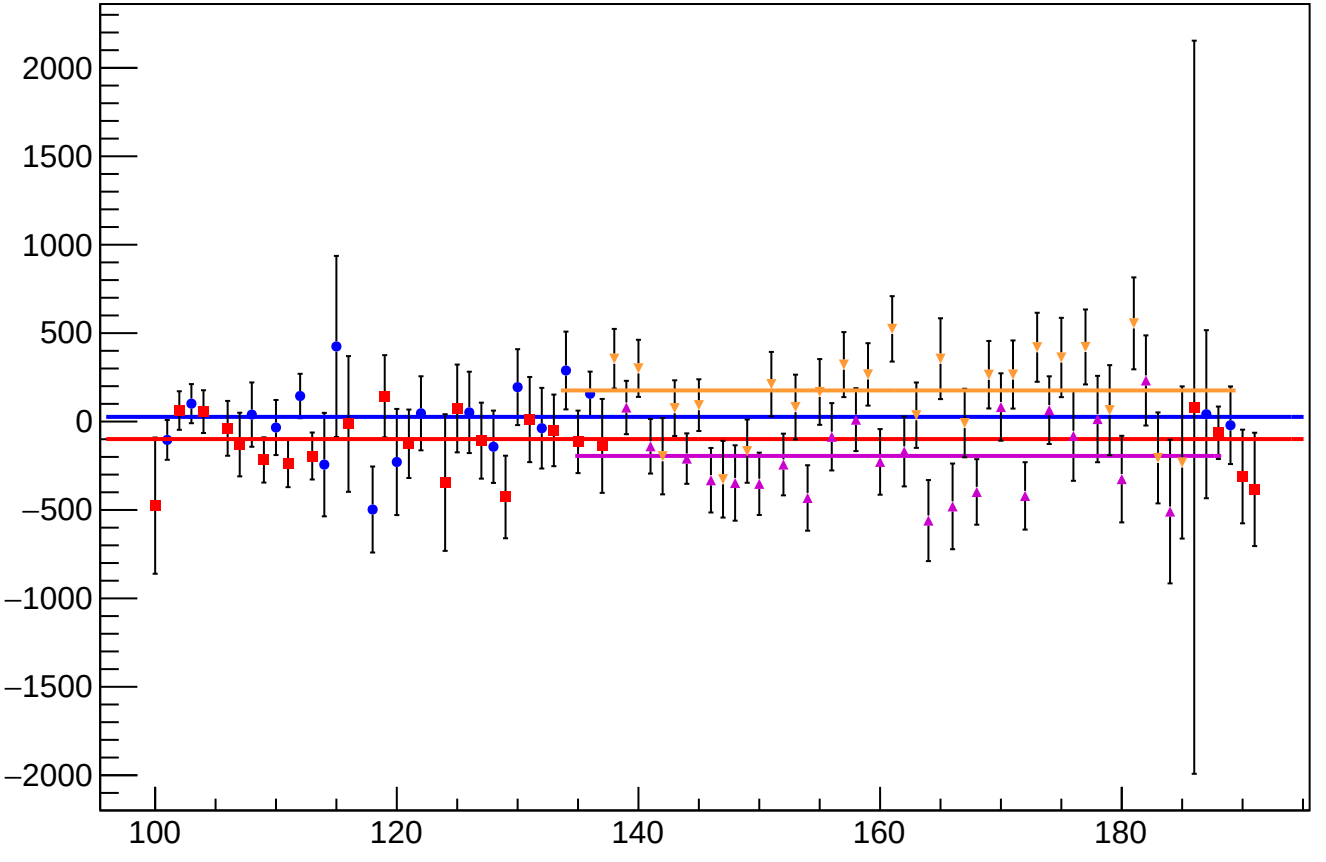
Left In: 1009.672+/-0.168 χ^2/NDF:498783.5/22

+ sign 928.492+/-0.130 χ^2/NDF: 3134857.4/42

All: 909.346+/-0.090 χ^2/NDF: 7598649.1/88

- sign 891.503+/-0.125 χ^2/NDF: 4421801.4/45

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: -99.042+/-38.400 χ^2/NDF: 13.2/22

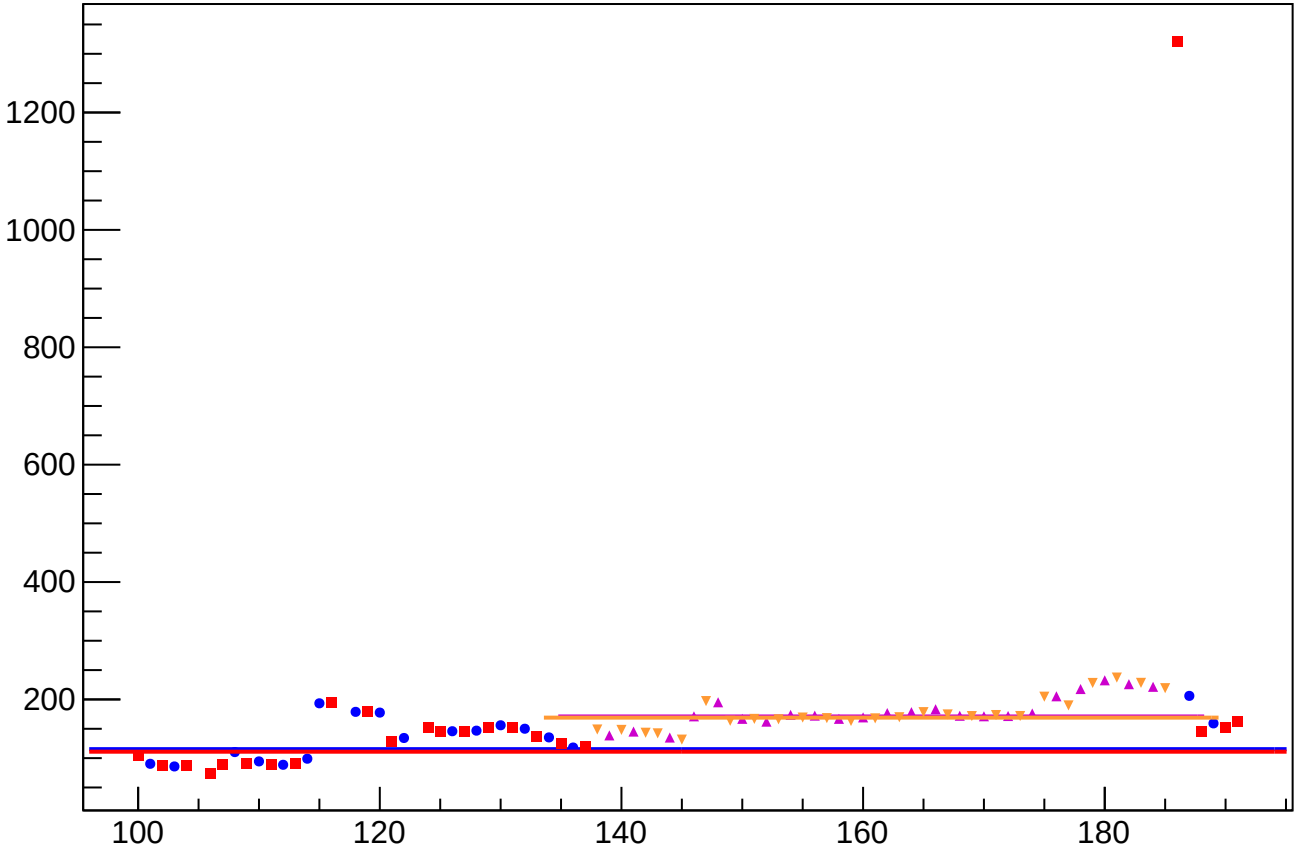
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 107.813+/-28.652 χ^2/NDF: 51.1/42

All: -21.914+/-19.962 χ^2/NDF: 131.0/88

- sign -144.286+/-27.828 χ^2/NDF: 40.0/45

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: 110.964+/-0.027 χ^2/NDF: 1917822.0/22

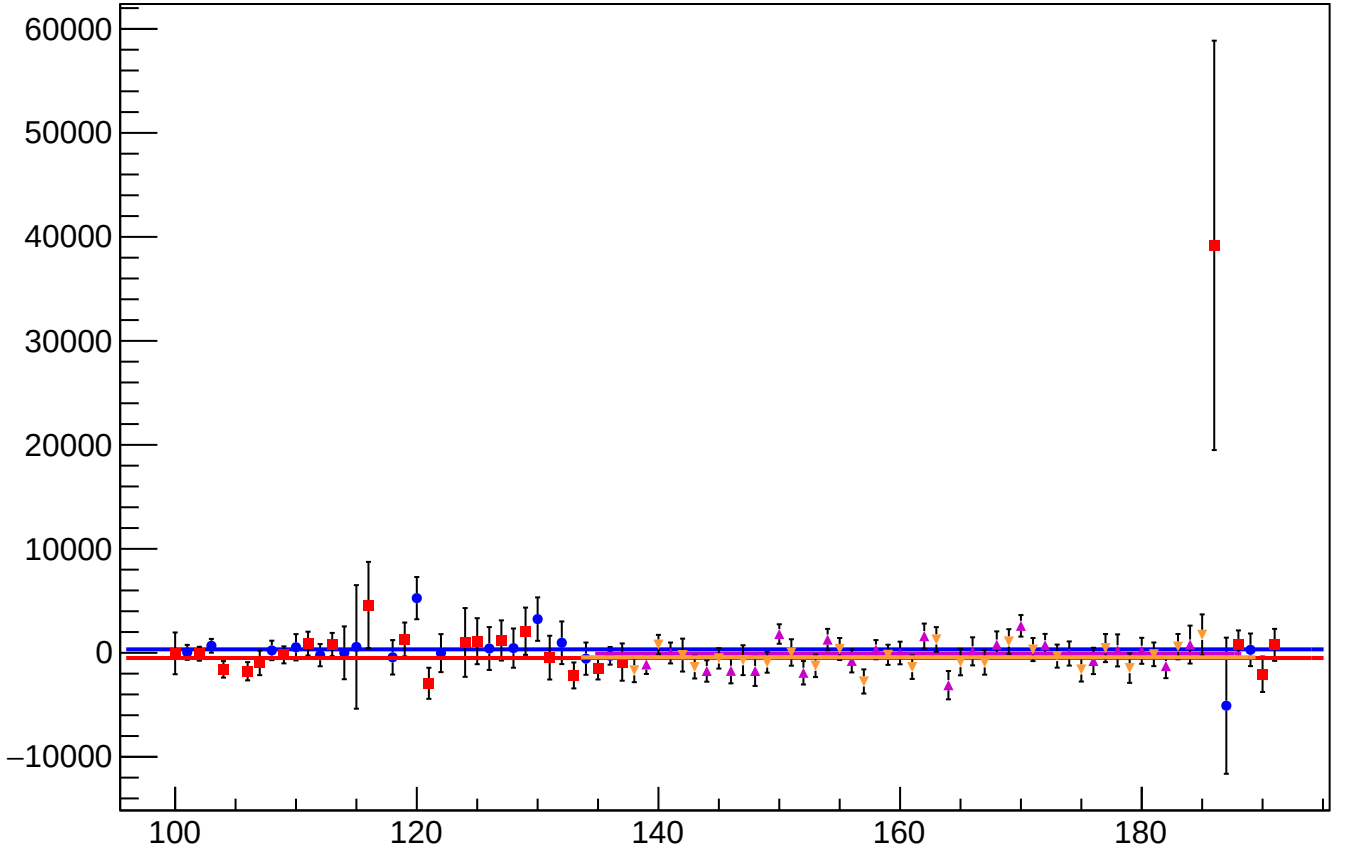
Left In: 171.021+/-0.029 χ^2/NDF:678096.1/22

+ sign 144.541+/-0.020 χ^2/NDF: 3547486.7/42

All: 141.937+/-0.014 χ^2/NDF: 8498460.7/88

- sign 139.482+/-0.020 χ^2/NDF: 4918885.5/45

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: -497.286+/-265.574 χ^2/NDF: 25.0/22

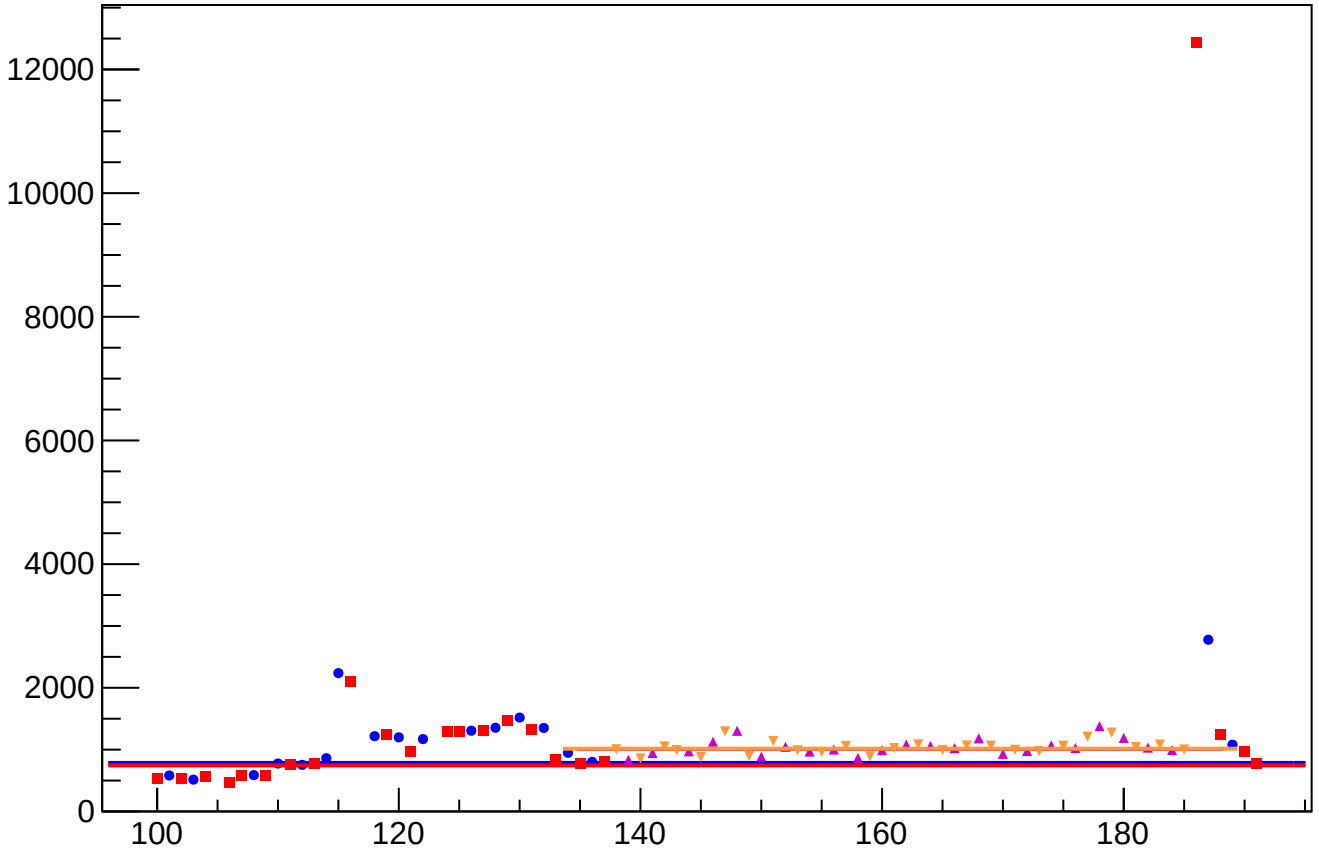
Left In: -86.487+/-238.155 χ^2/NDF:32.4/22

+ sign -139.281+/-183.660 χ^2/NDF: 32.9/42

All: -206.730+/-127.561 χ^2/NDF: 91.9/88

- sign -269.592+/-177.305 χ^2/NDF: 58.7/45

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: 744.555+/-0.188 χ^2/NDF: 2818297.3/22

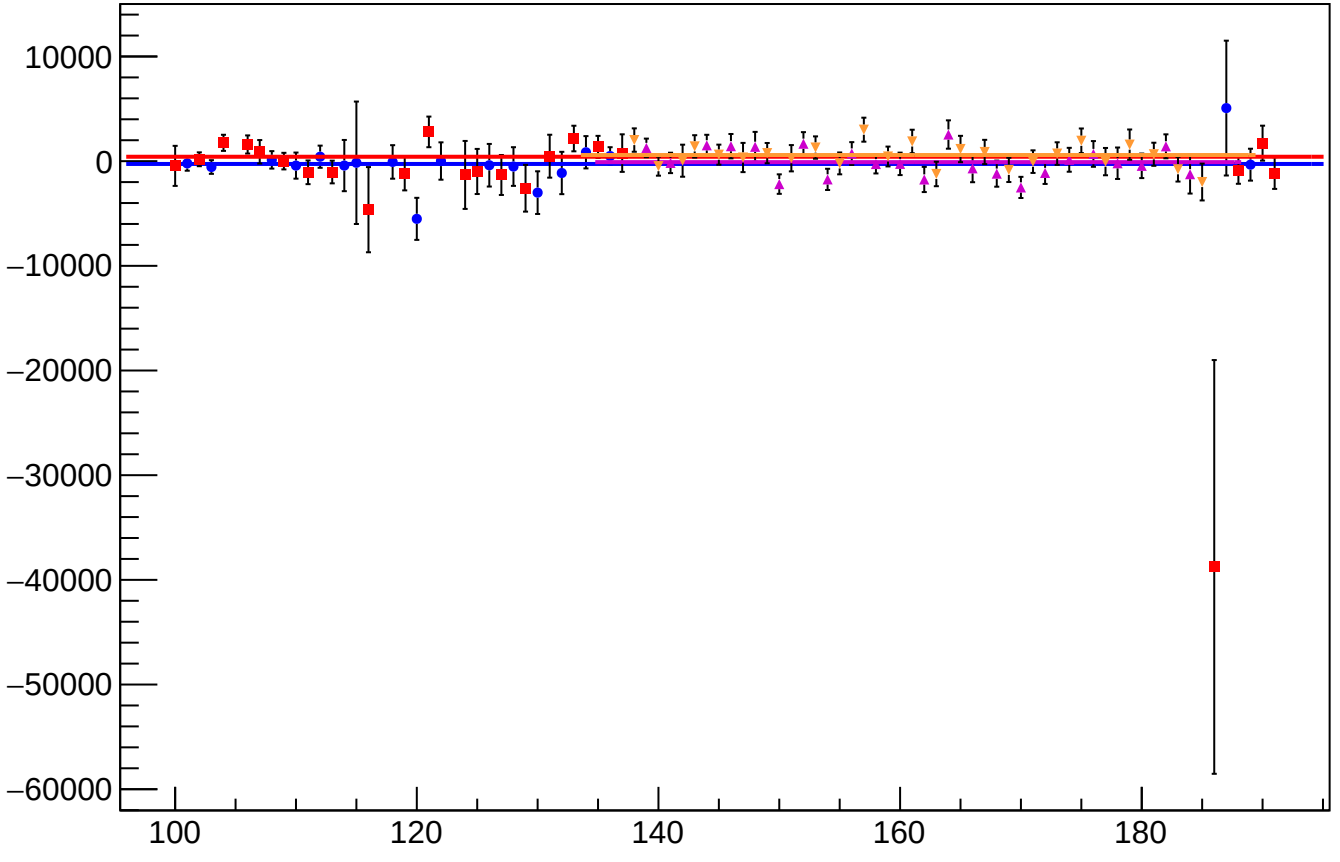
Left In: 1009.673+/-0.168 χ^2/NDF:498783.6/22

+ sign 928.492+/-0.130 χ^2/NDF: 3134870.4/42

All: 909.346+/-0.090 χ^2/NDF: 7598681.0/88

- sign 891.503+/-0.125 χ^2/NDF: 4421820.0/45

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: 421.663+/-259.855 χ^2/NDF: 27.1/22

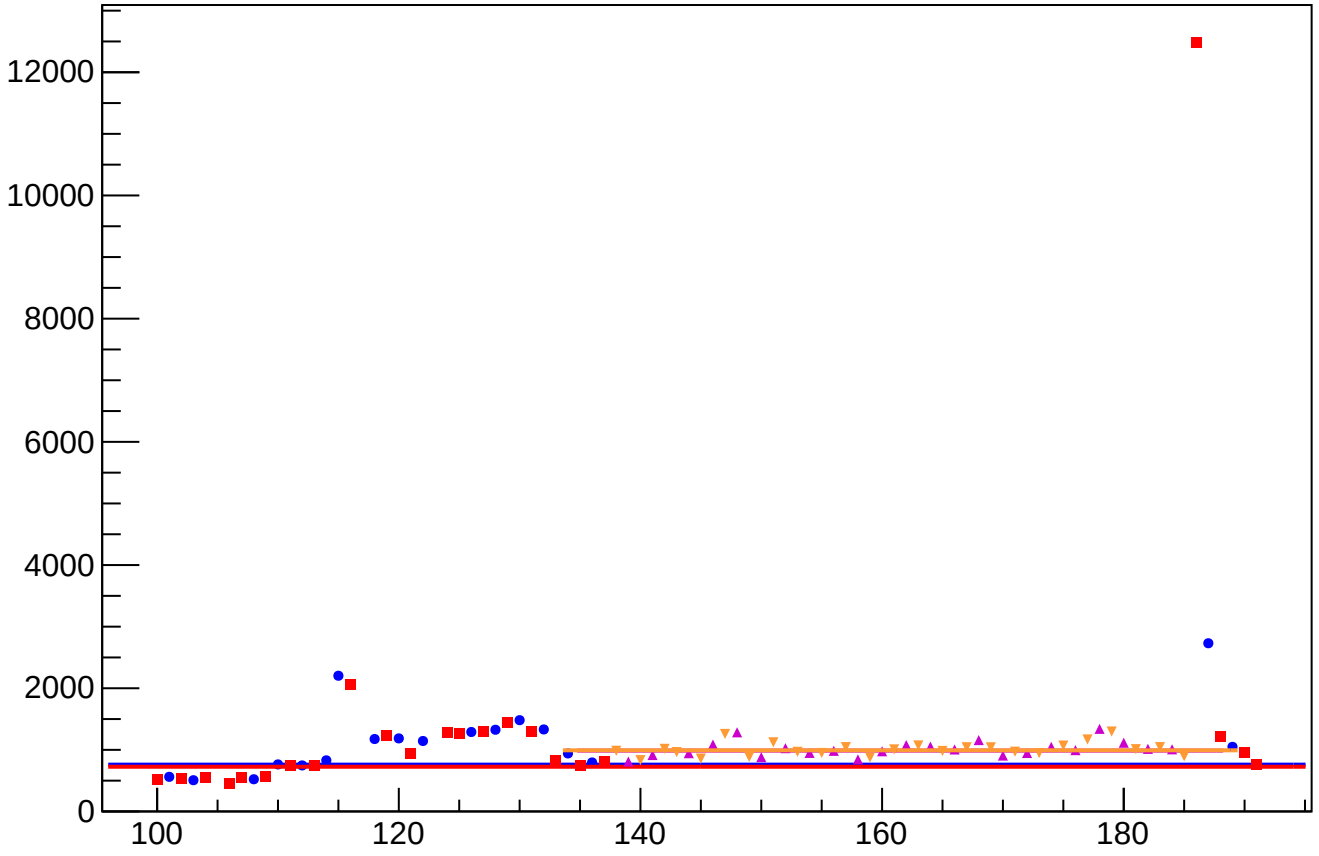
Left In: -92.688+/-233.019 χ^2/NDF:34.6/22

+ sign 262.131+/-179.257 χ^2/NDF: 37.9/42

All: 197.294+/-124.662 χ^2/NDF: 102.0/88

- sign 136.566+/-173.484 χ^2/NDF: 63.9/45

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

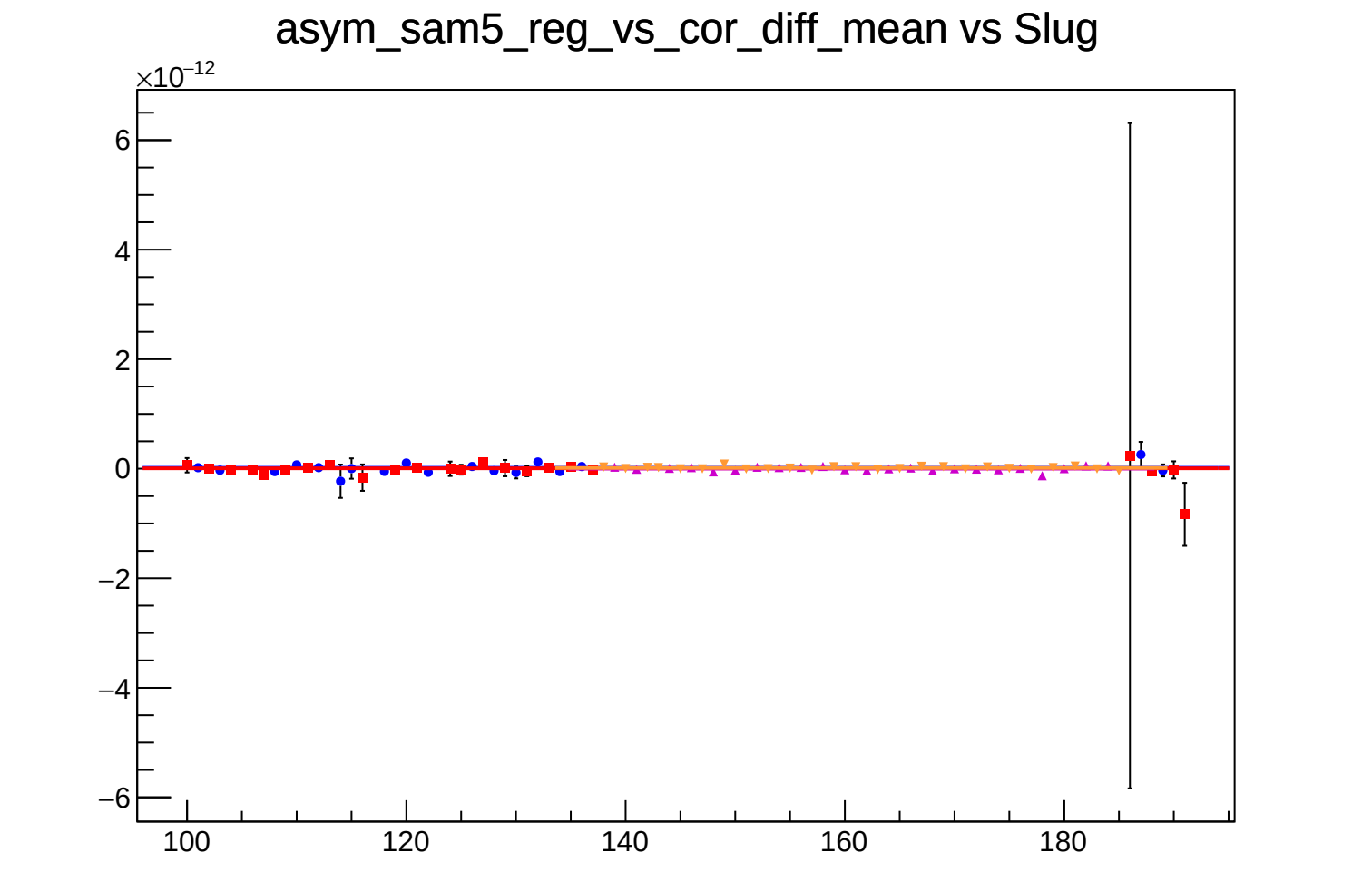
Right Out: 725.946+/-0.184 χ^2/NDF: 2870292.6/22

Left In: 987.784+/-0.165 χ^2/NDF:487733.2/22

+ sign 904.238+/-0.127 χ^2/NDF: 3305039.3/42

All: 887.116+/-0.088 χ^2/NDF: 7823962.9/88

- sign 871.079+/-0.123 χ^2/NDF: 4483587.0/45



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: 17.4/22

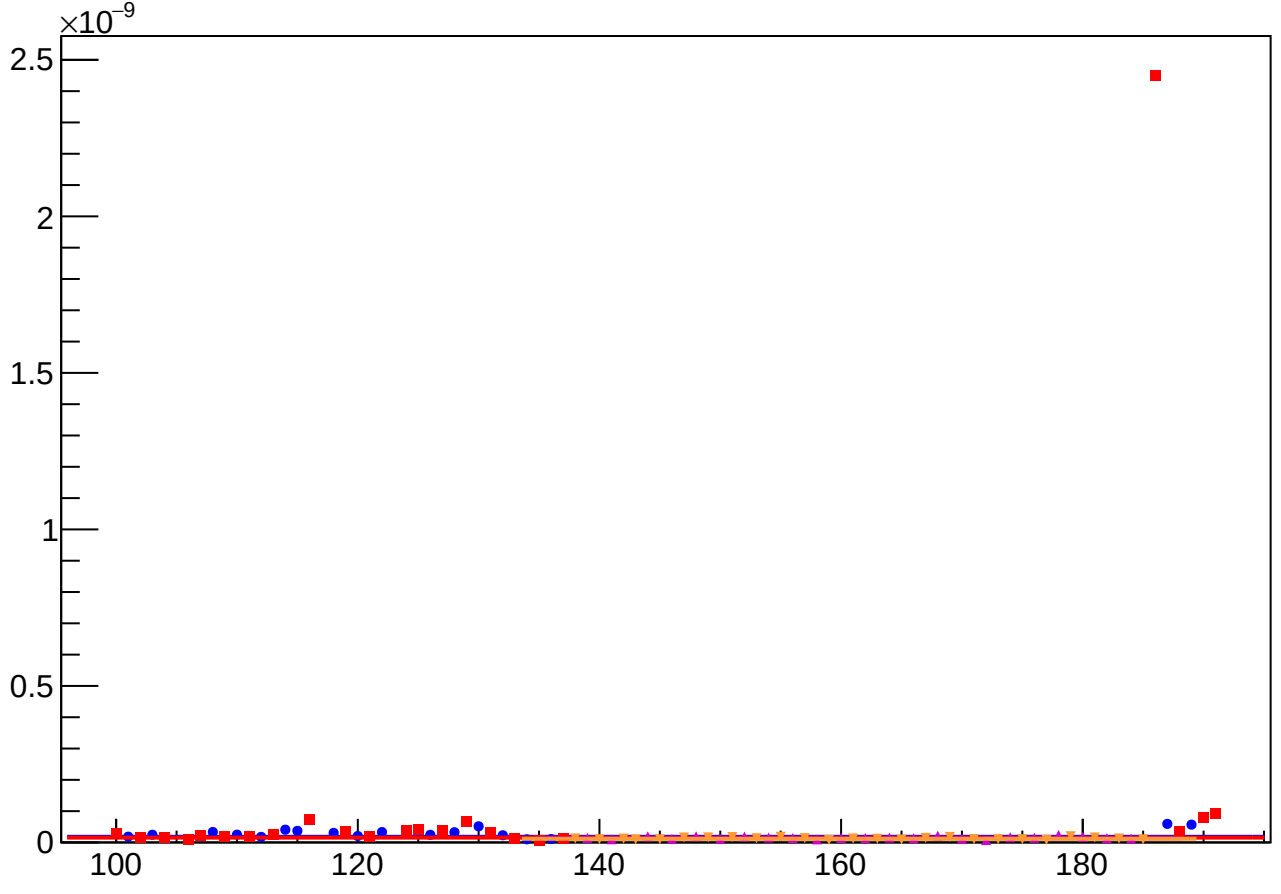
Left In: 0.000+/-0.000 χ^2/NDF:28.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 42.4/42

All: 0.000+/-0.000 χ^2/NDF: 90.8/88

- sign 0.000+/-0.000 χ^2/NDF: 45.7/45

asym_sam5_reg_vs_cor_diff_rms vs Slug



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: 2661489.2/22

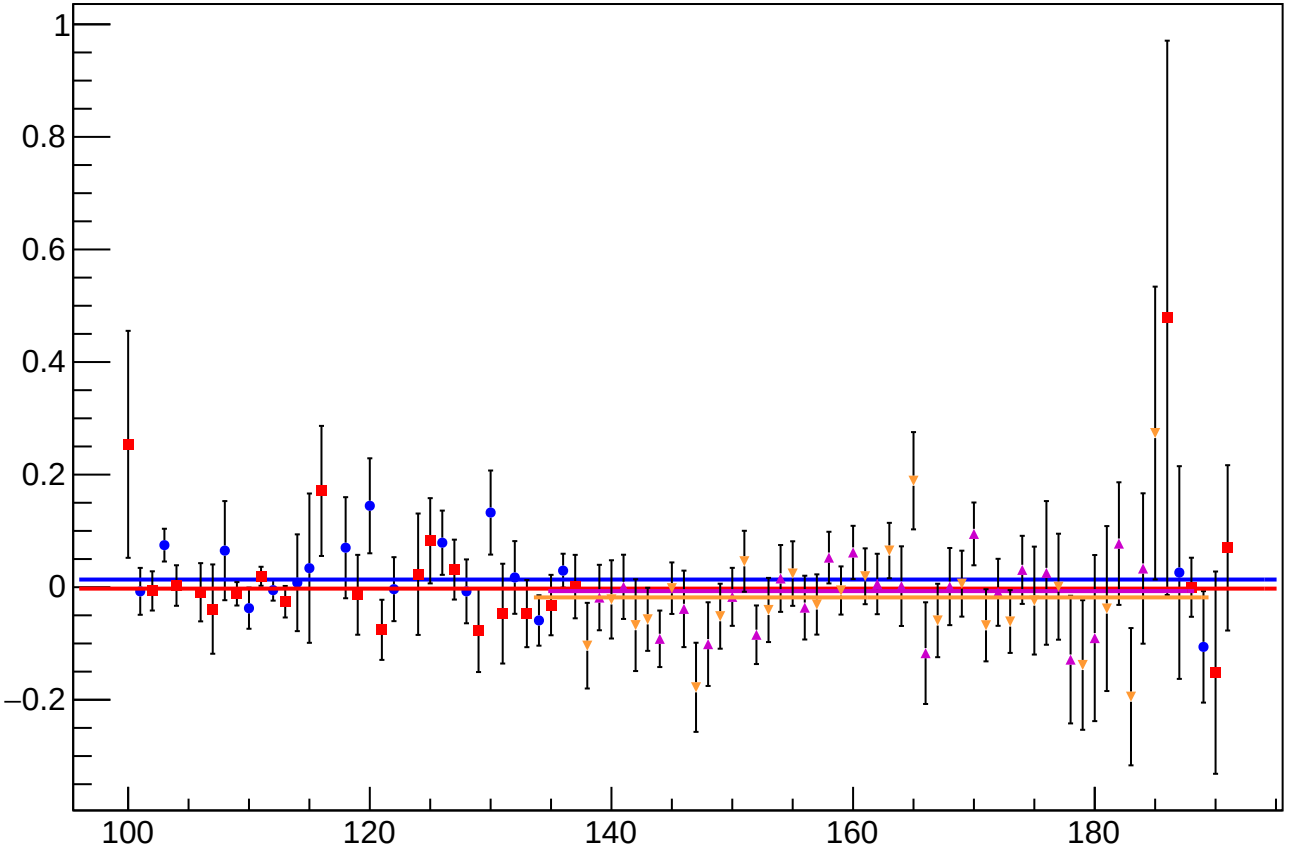
Left In: 0.000+/-0.000 χ^2/NDF:853838.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 2831249.8/42

All: 0.000+/-0.000 χ^2/NDF: 6494373.7/88

- sign 0.000+/-0.000 χ^2/NDF: 3589990.6/45

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: -0.003+/-0.009 χ^2/NDF: 14.3/22

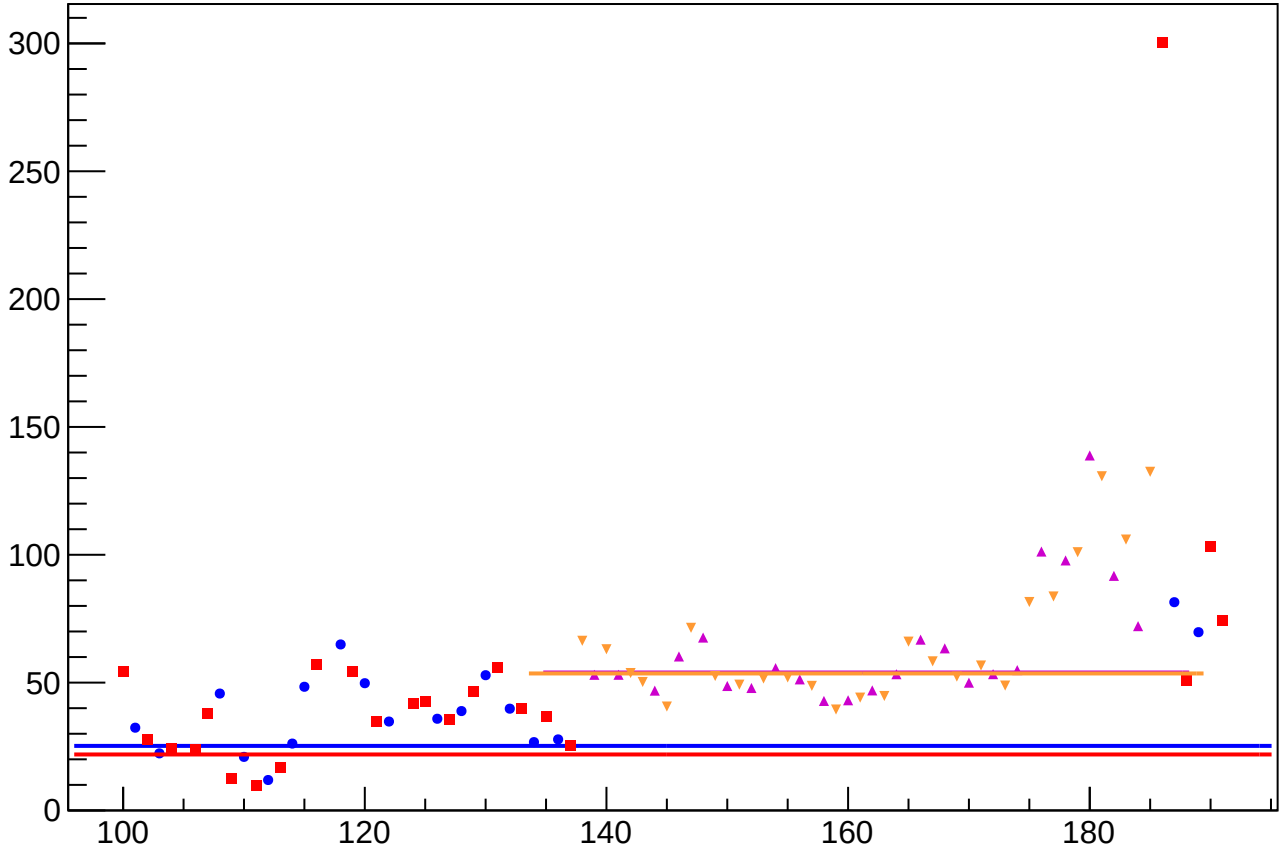
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign 0.001+/-0.008 χ^2/NDF: 47.3/42

All: -0.002+/-0.005 χ^2/NDF: 80.6/88

- sign -0.004+/-0.007 χ^2/NDF: 33.1/45

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: 21.899+/-0.006 χ^2/NDF: 5540600.2/22

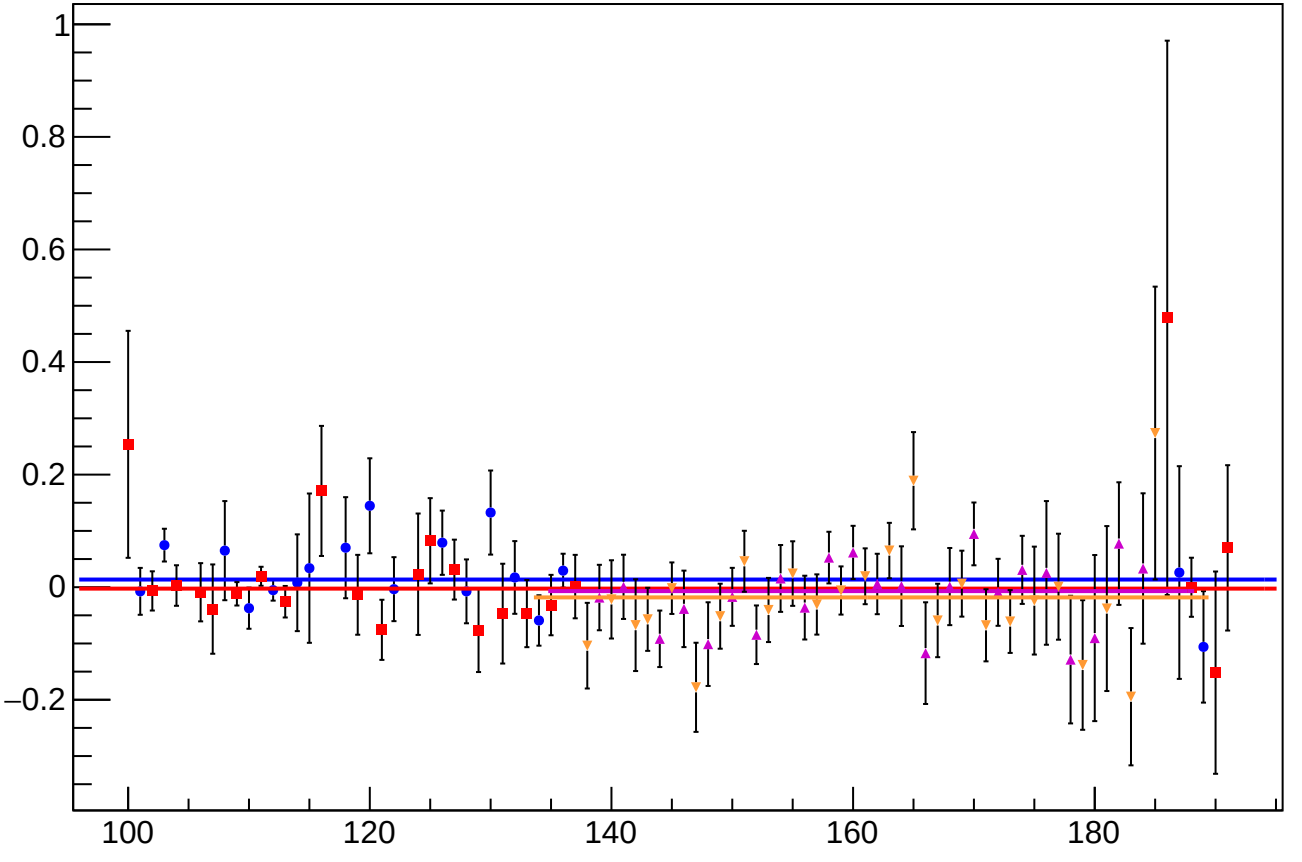
Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

+ sign 36.661+/-0.006 χ^2/NDF: 11567560.2/42

All: 34.225+/-0.004 χ^2/NDF: 27508140.7/88

- sign 32.168+/-0.005 χ^2/NDF: 15608984.6/45

asym_sam5_dit_vs_eigen_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: -0.003+/-0.009 χ^2/NDF: 14.3/22

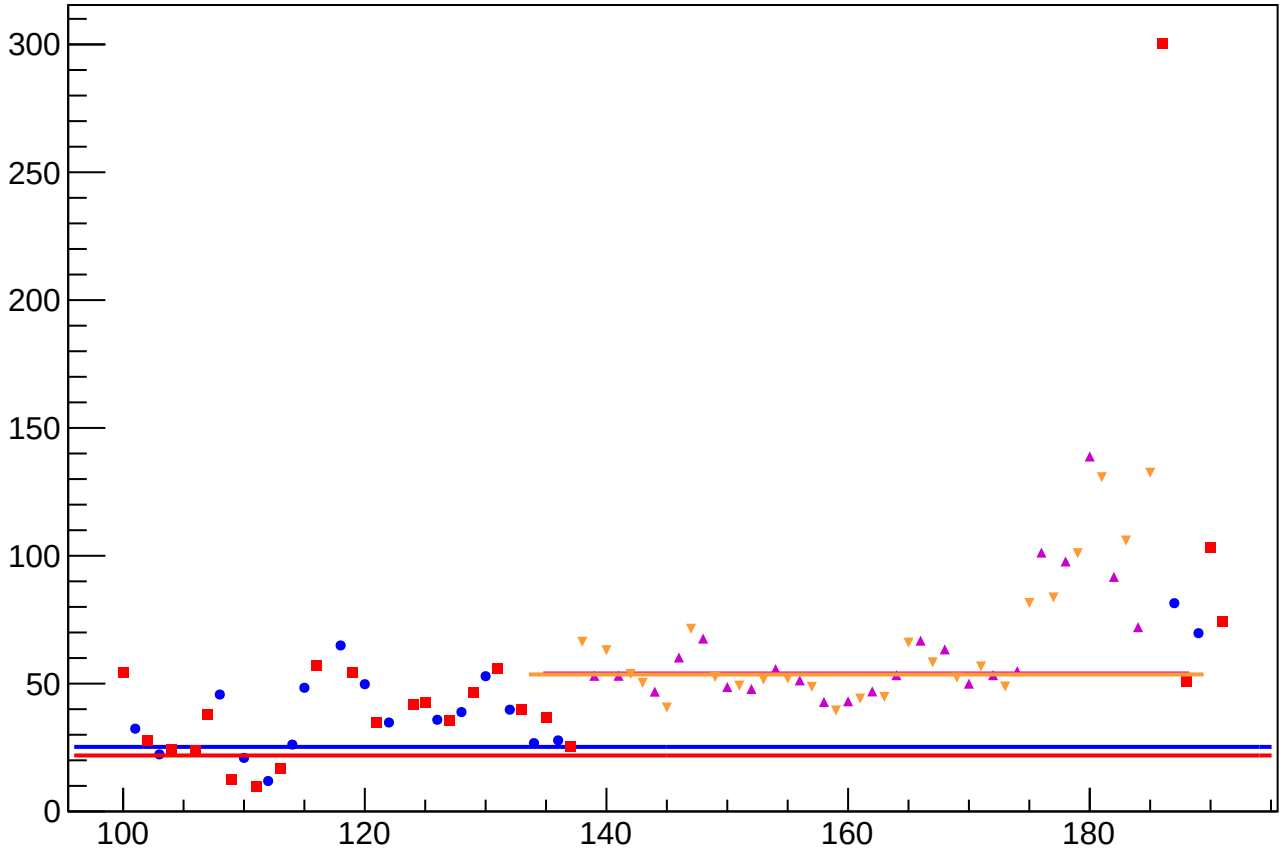
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign 0.001+/-0.008 χ^2/NDF: 47.3/42

All: -0.002+/-0.005 χ^2/NDF: 80.6/88

- sign -0.004+/-0.007 χ^2/NDF: 33.1/45

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

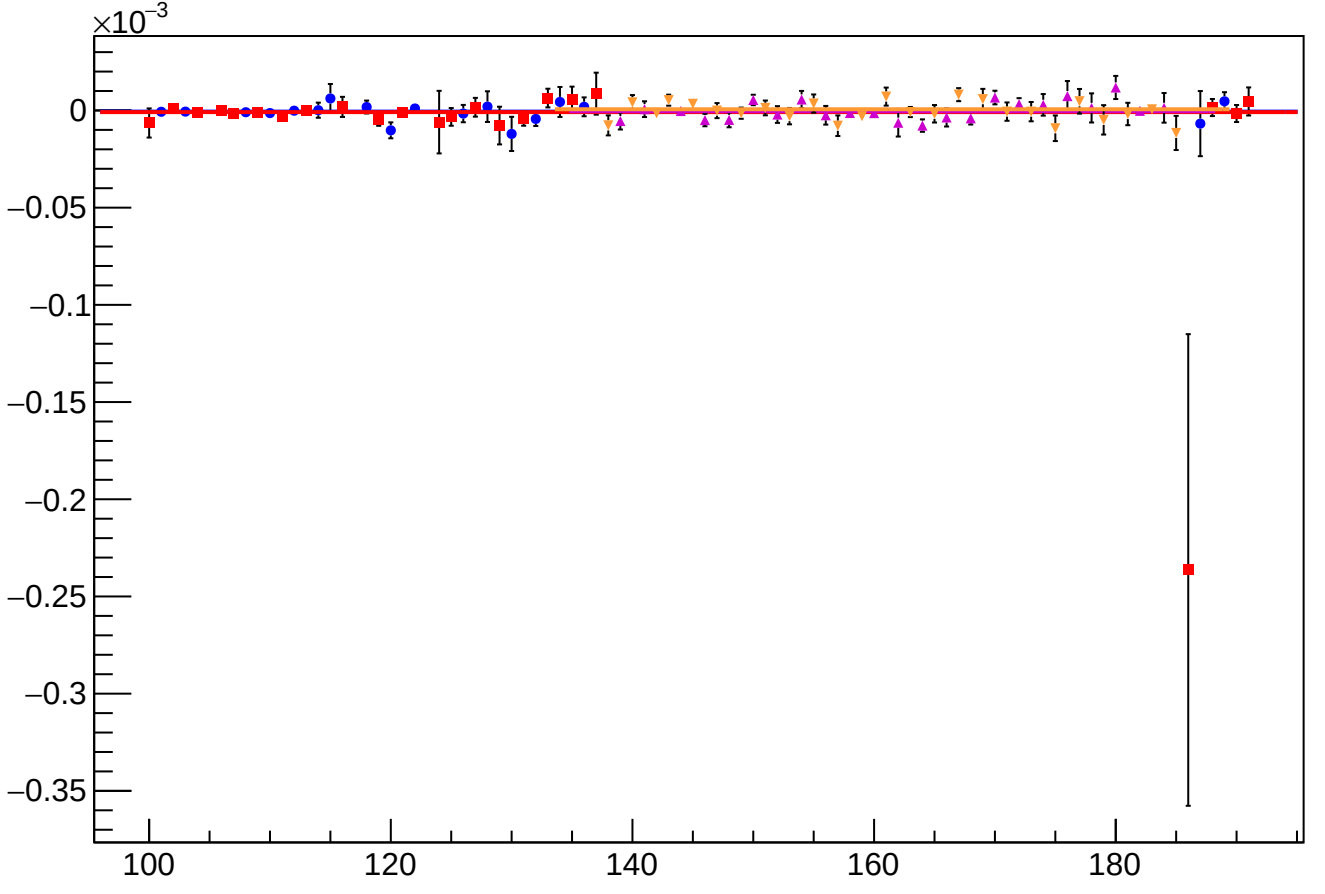
Right Out: 21.899+/-0.006 χ^2/NDF: 5540600.2/22

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

\+ sign 36.661+/-0.006 χ^2/NDF: 11567560.2/42

All: 34.225+/-0.004 χ^2/NDF: 27508140.7/88

\- sign 32.168+/-0.005 χ^2/NDF: 15608984.6/45



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: 16.5/22

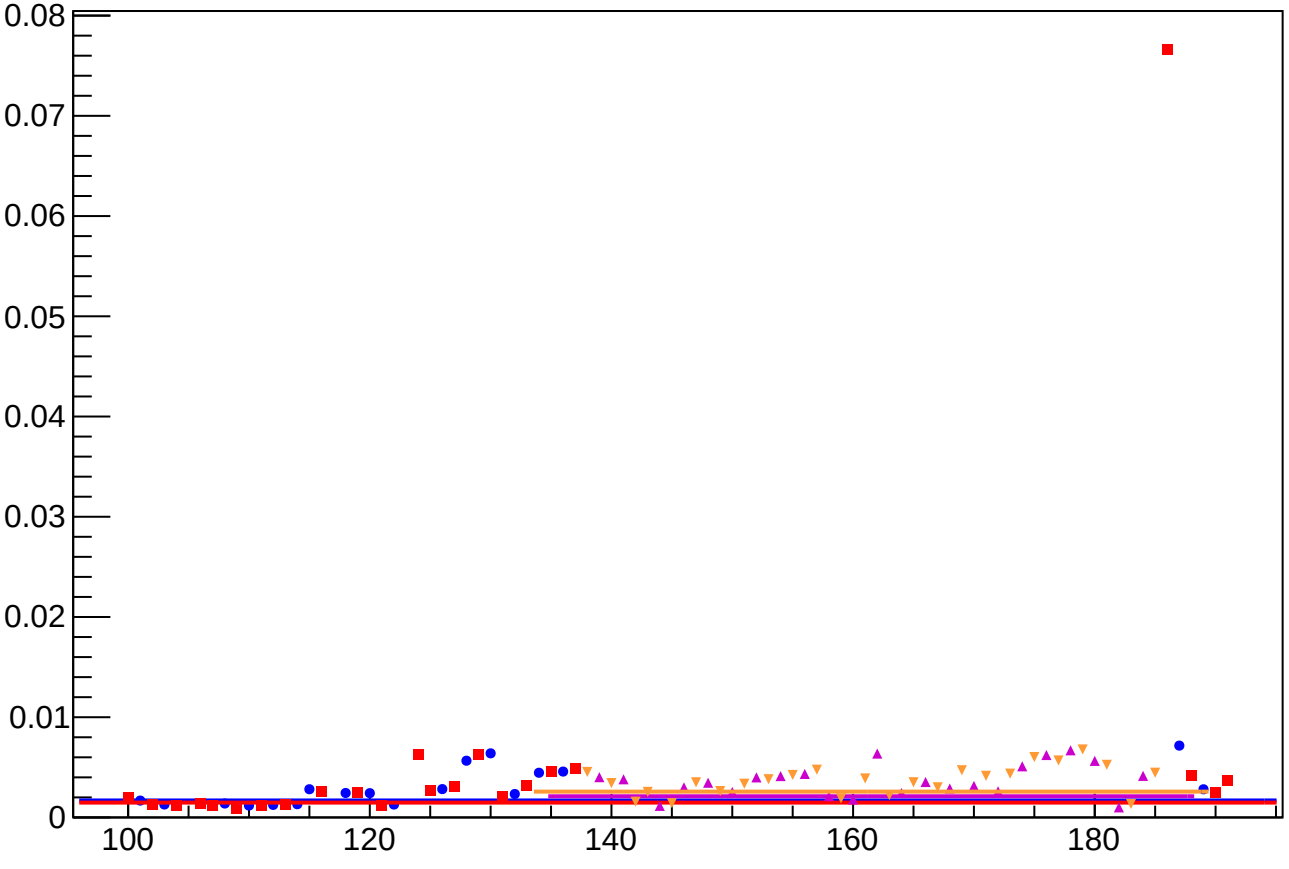
Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.3/42

All: -0.000+/-0.000 χ^2/NDF: 94.1/88

- sign -0.000+/-0.000 χ^2/NDF: 47.8/45

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: 4761647.0/22

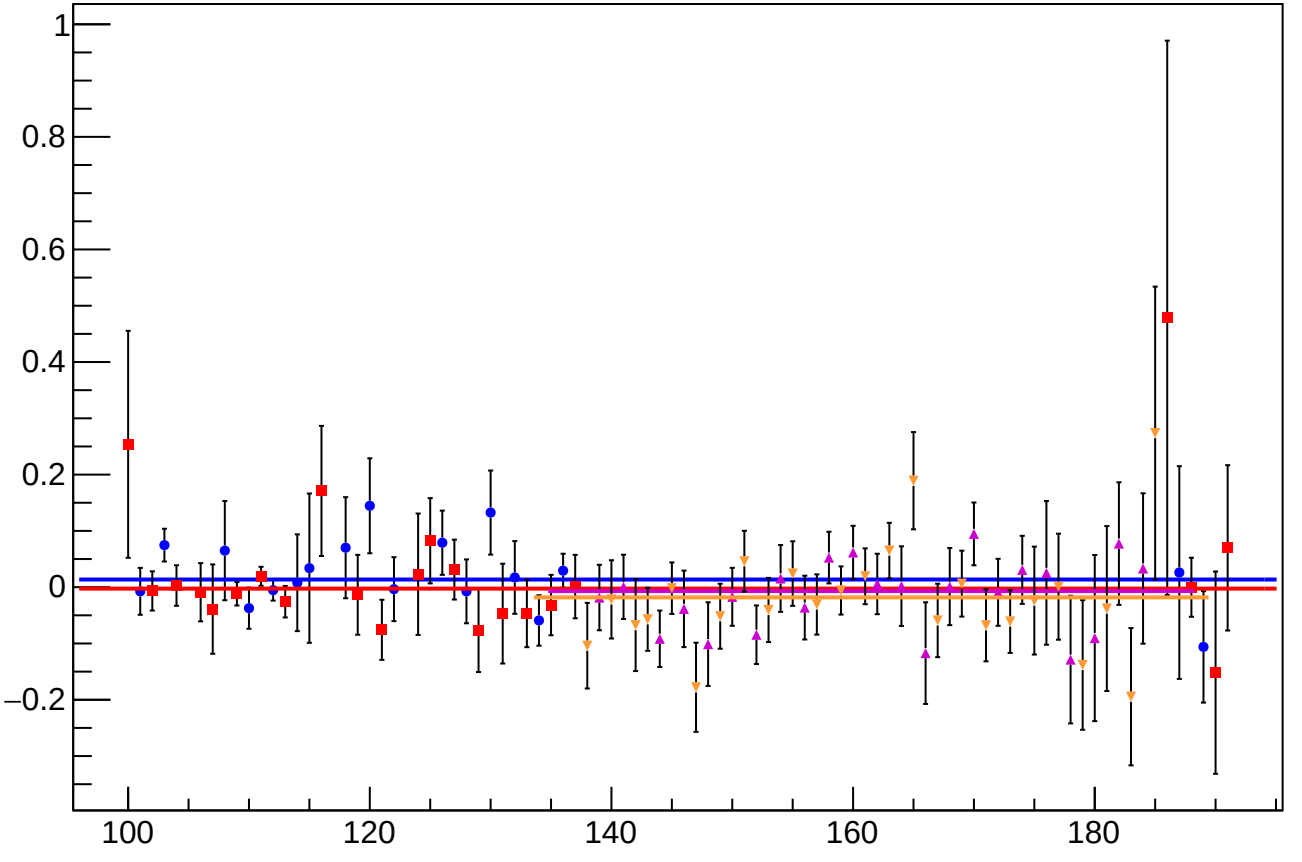
Left In: 0.002+/-0.000 χ^2/NDF:9487138.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 12078769.9/42

All: 0.002+/-0.000 χ^2/NDF: 28163125.8/88

- sign 0.002+/-0.000 χ^2/NDF: 15432530.8/45

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: -0.003+/-0.009 χ^2/NDF: 14.3/22

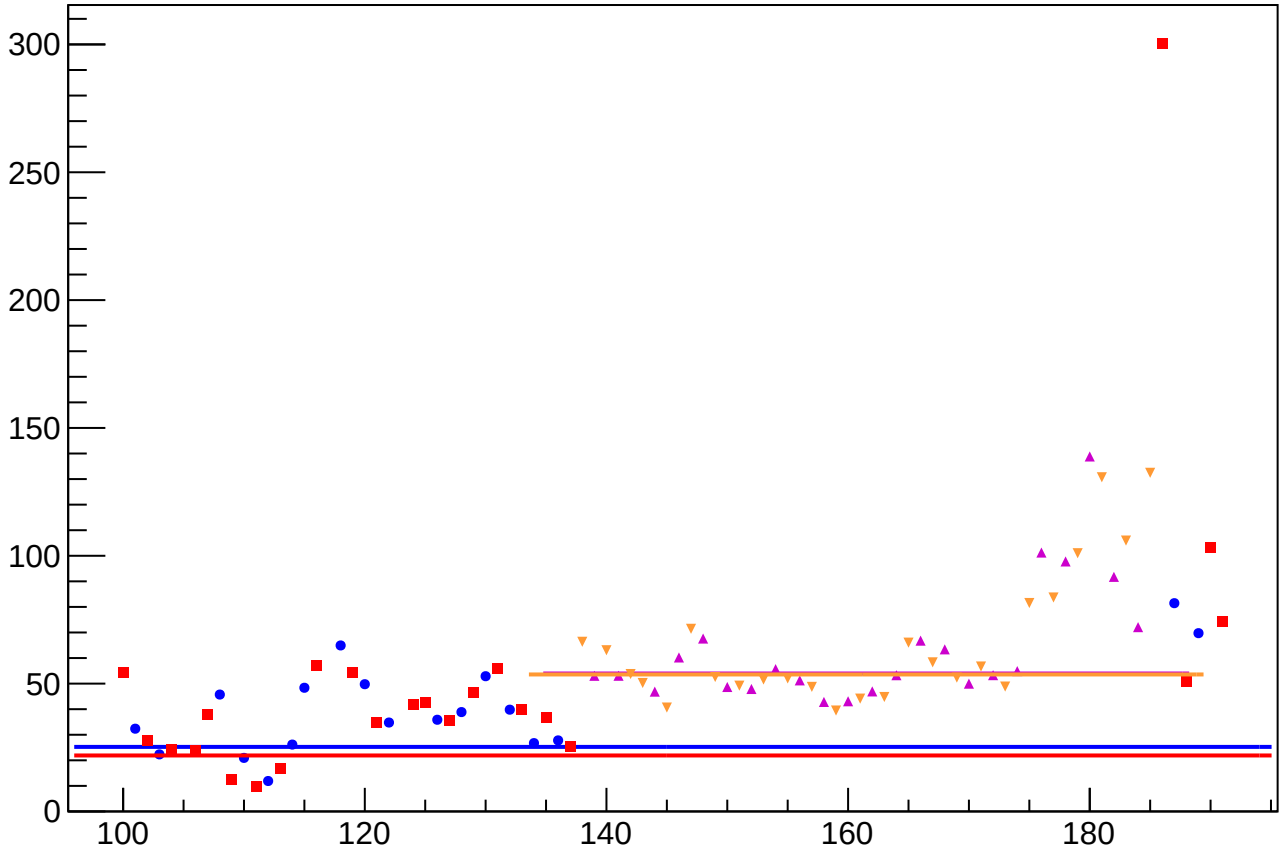
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign 0.001+/-0.008 χ^2/NDF: 47.3/42

All: -0.002+/-0.005 χ^2/NDF: 80.6/88

- sign -0.004+/-0.007 χ^2/NDF: 33.1/45

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

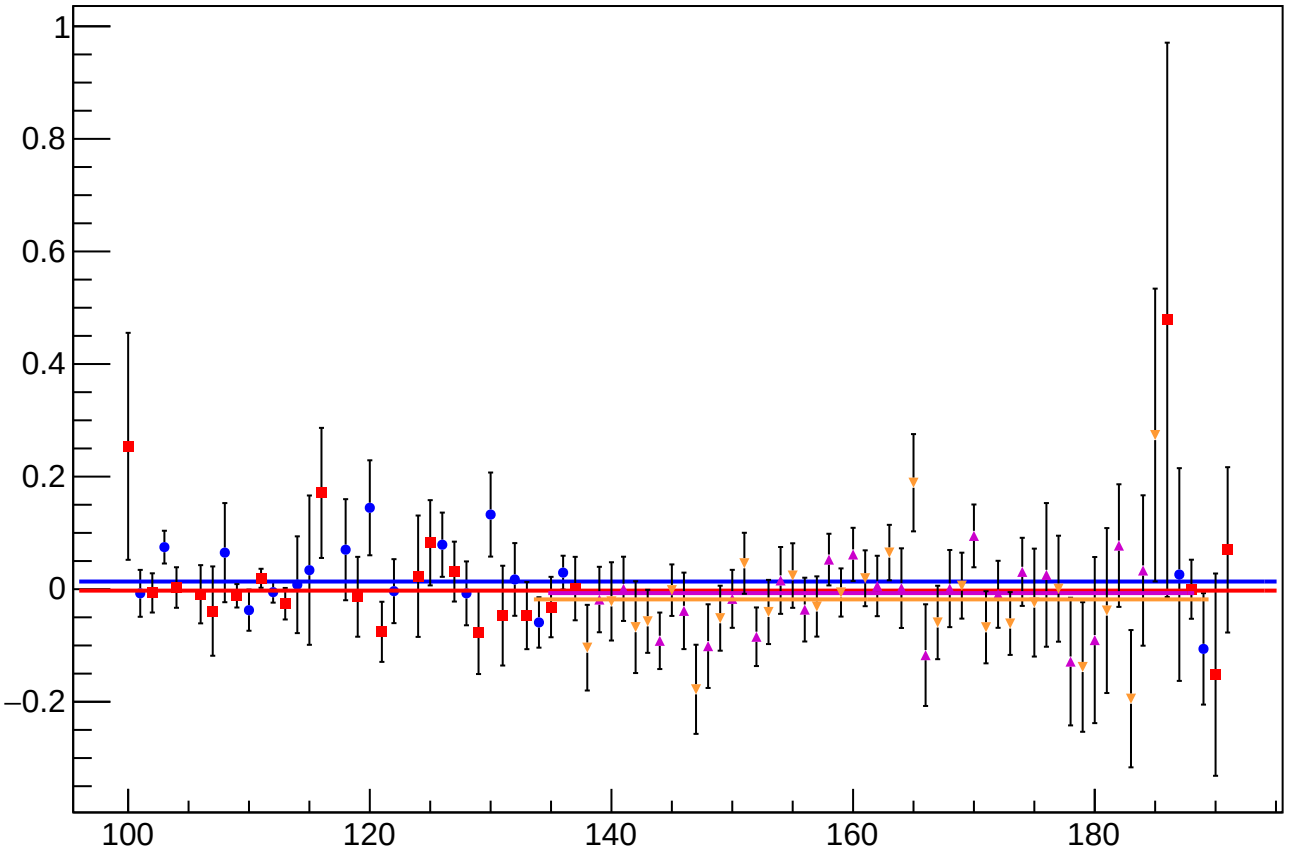
Right Out: 21.898+/-0.006 χ^2/NDF: 5540615.2/22

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

+ sign 36.660+/-0.006 χ^2/NDF: 11567959.0/42

All: 34.225+/-0.004 χ^2/NDF: 27509088.5/88

- sign 32.167+/-0.005 χ^2/NDF: 15609507.4/45



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: -0.003+/-0.009 χ^2/NDF: 14.3/22

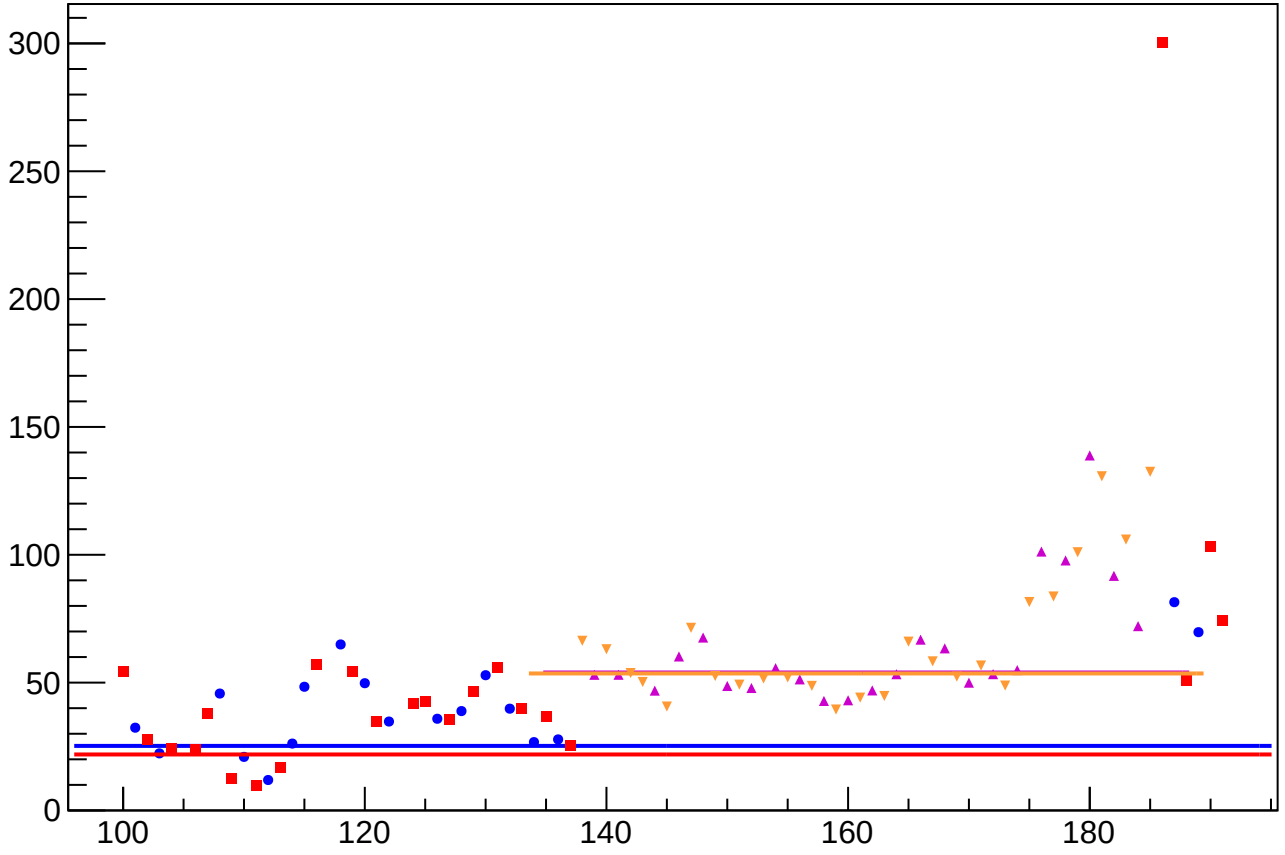
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign 0.001+/-0.008 χ^2/NDF: 47.3/42

All: -0.002+/-0.005 χ^2/NDF: 80.6/88

- sign -0.004+/-0.007 χ^2/NDF: 33.1/45

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

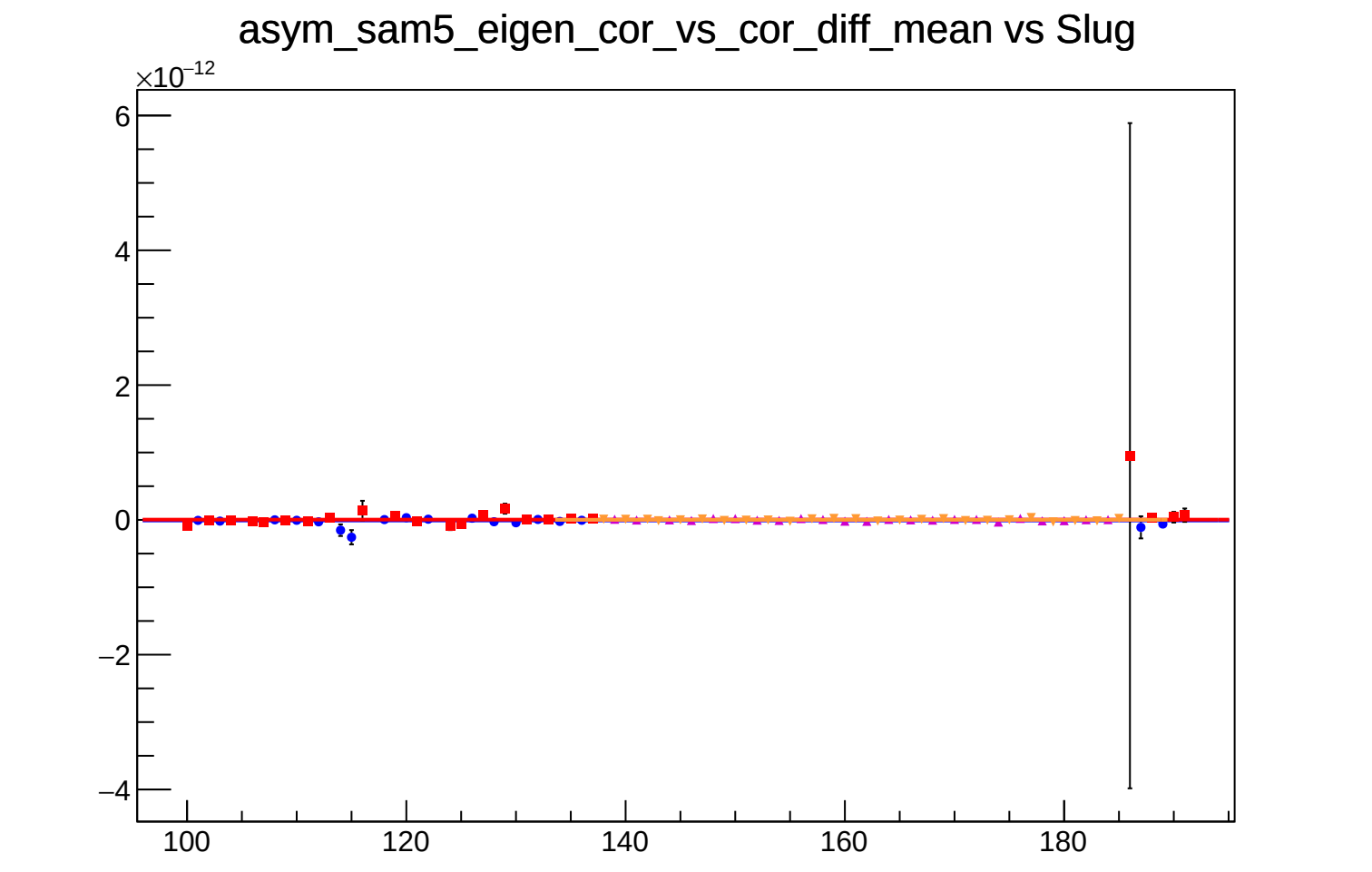
Right Out: 21.898+/-0.006 χ^2/NDF: 5540615.2/22

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

+ sign 36.660+/-0.006 χ^2/NDF: 11567959.0/42

All: 34.225+/-0.004 χ^2/NDF: 27509088.5/88

- sign 32.167+/-0.005 χ^2/NDF: 15609507.4/45



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: 27.9/22

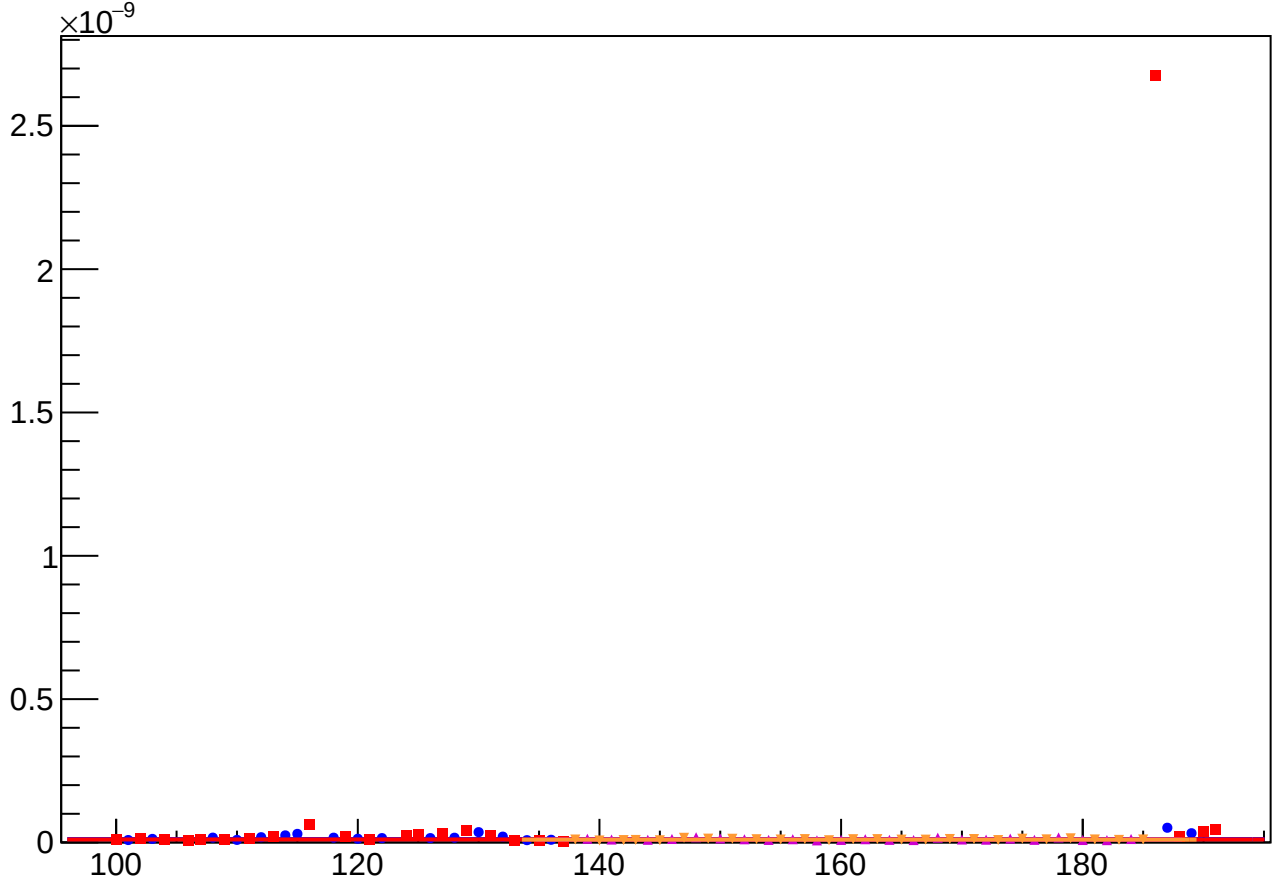
Left In: 0.000+/-0.000 χ^2/NDF:18.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 45.6/42

All: 0.000+/-0.000 χ^2/NDF: 92.2/88

- sign 0.000+/-0.000 χ^2/NDF: 46.3/45

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: 4001724.6/22

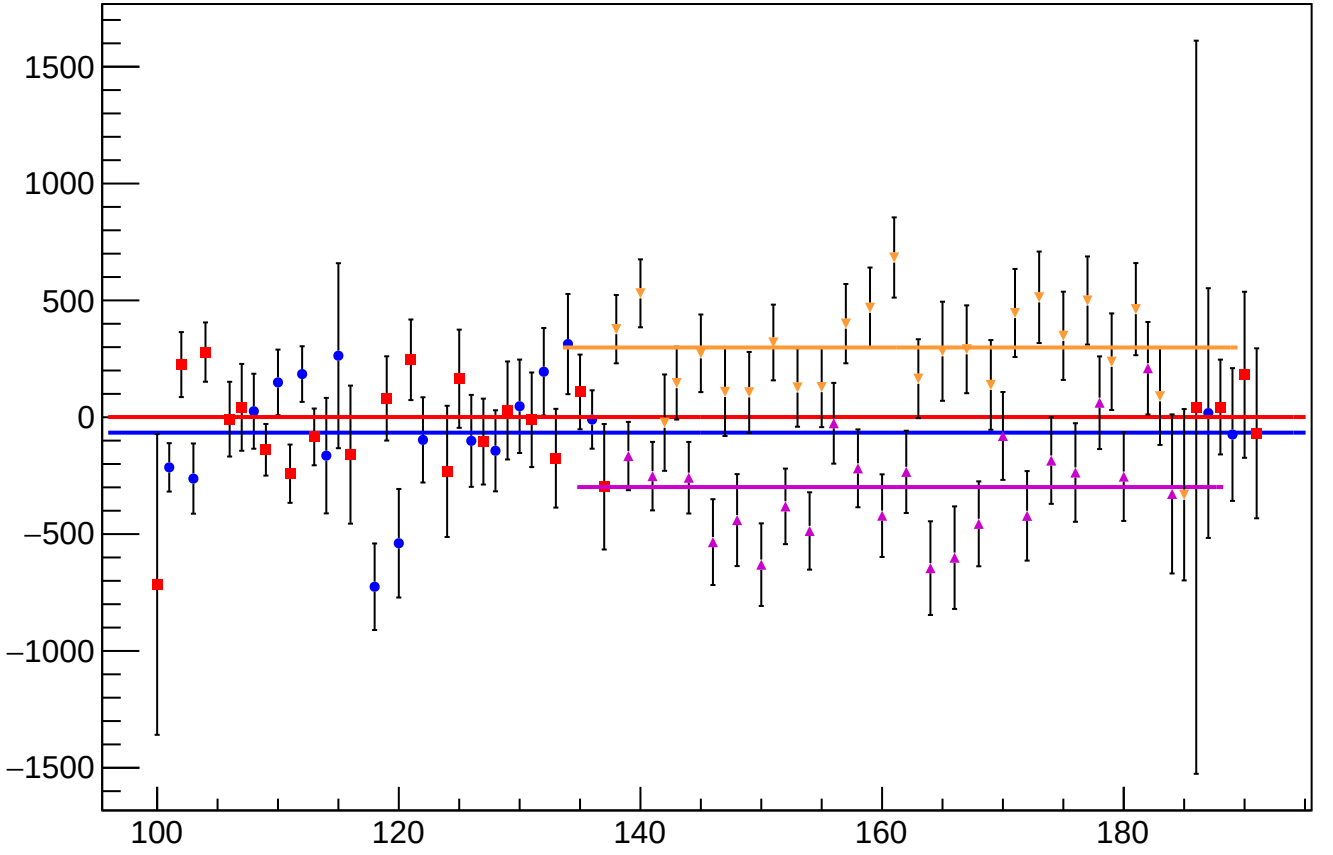
Left In: 0.000+/-0.000 χ^2/NDF:1313644.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 2914470.4/42

All: 0.000+/-0.000 χ^2/NDF: 8233438.7/88

- sign 0.000+/-0.000 χ^2/NDF: 5318678.3/45

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: 0.948+/-37.738 χ^2/NDF: 21.5/22

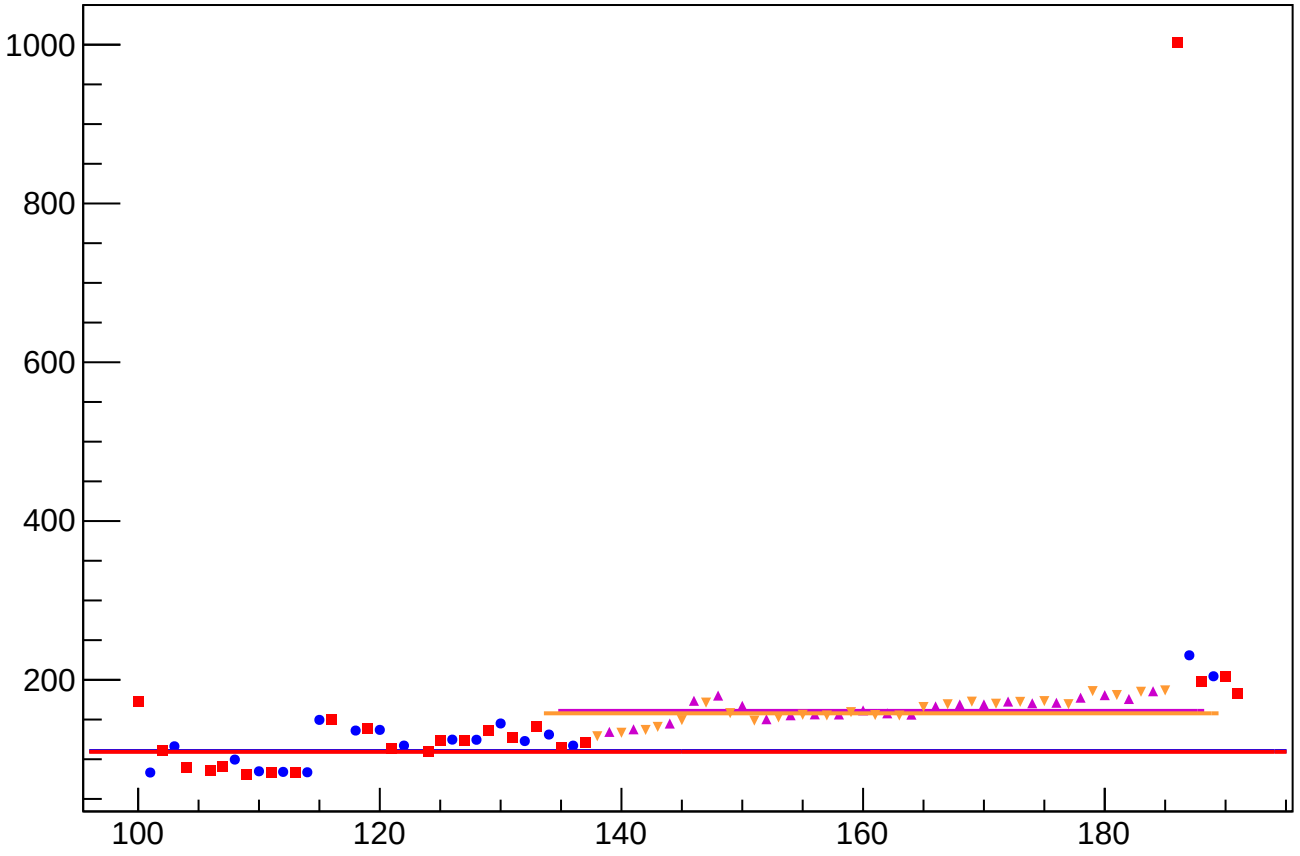
Left In: -298.675+/-37.727 χ^2/NDF:29.4/22

+ sign 136.982+/-26.899 χ^2/NDF: 105.7/42

All: -7.128+/-18.943 χ^2/NDF: 245.1/88

- sign -148.907+/-26.681 χ^2/NDF: 82.4/45

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: 109.341+/-0.027 χ^2/NDF: 1919804.9/22

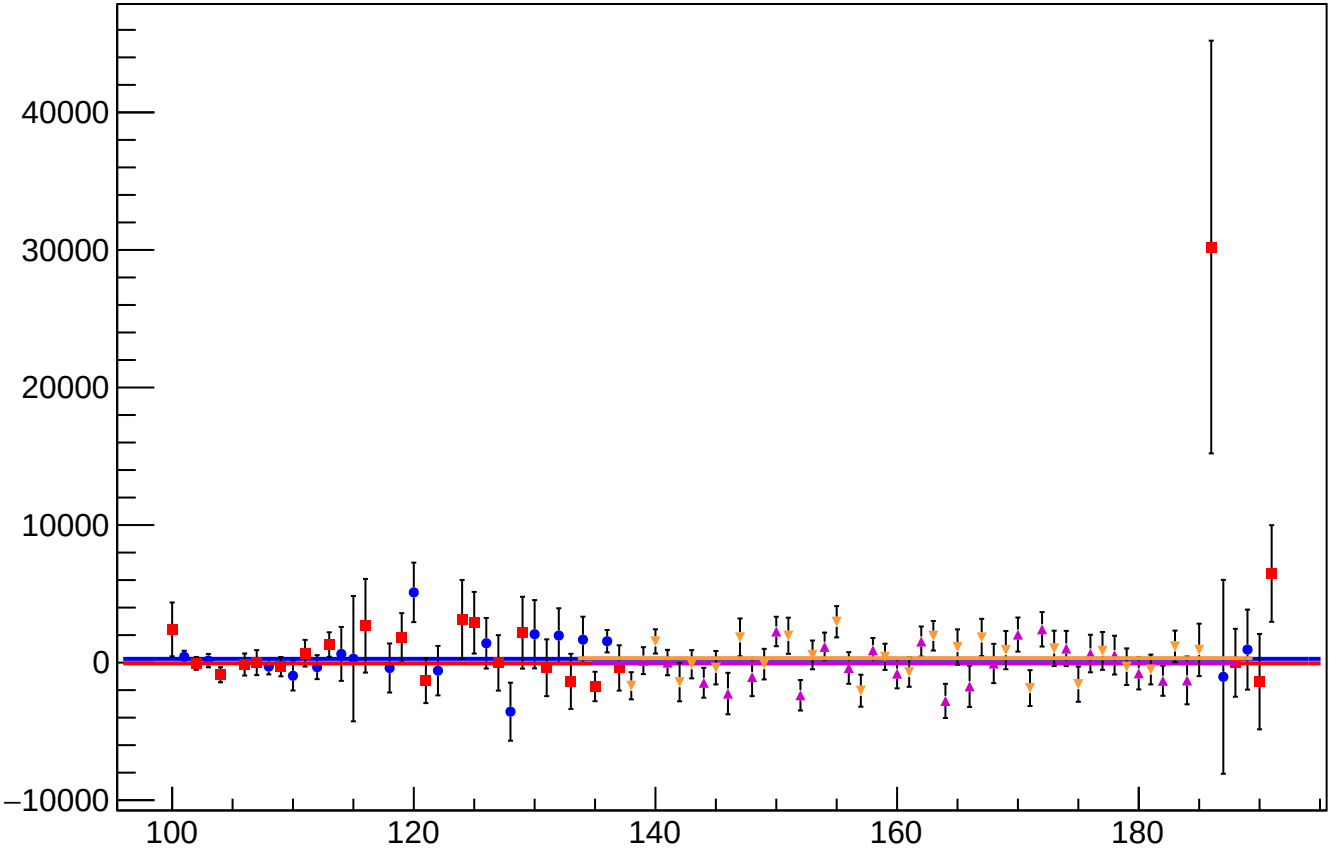
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 136.769+/-0.019 χ^2/NDF: 2781245.9/42

All: 135.936+/-0.013 χ^2/NDF: 6838479.1/88

- sign 135.115+/-0.019 χ^2/NDF: 4053421.3/45

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: -49.962+/-230.100 χ^2/NDF: 23.7/22

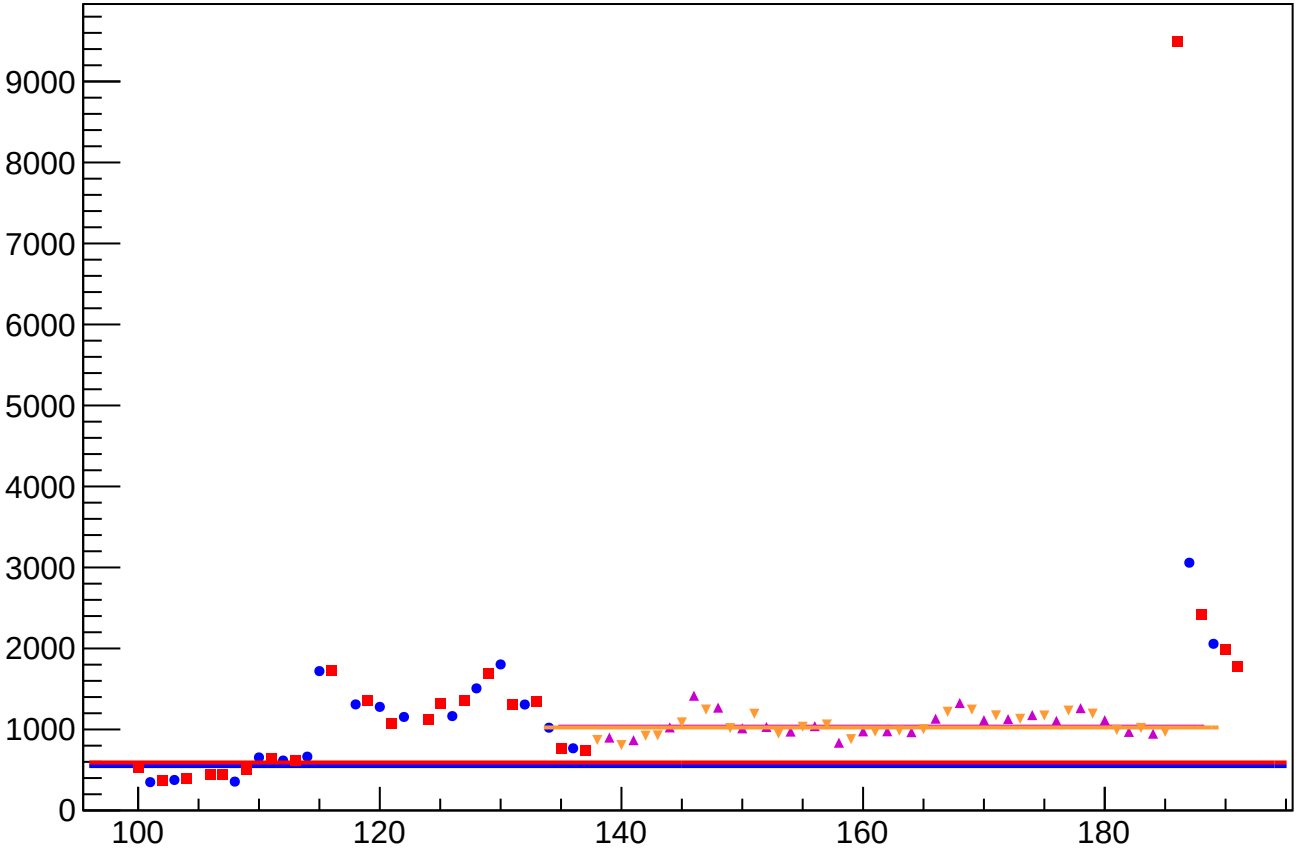
Left In: -39.197+/-244.156 χ^2/NDF:34.8/22

+ sign 296.625+/-164.336 χ^2/NDF: 49.1/42

All: 129.072+/-117.290 χ^2/NDF: 109.7/88

- sign -44.898+/-167.454 χ^2/NDF: 58.5/45

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

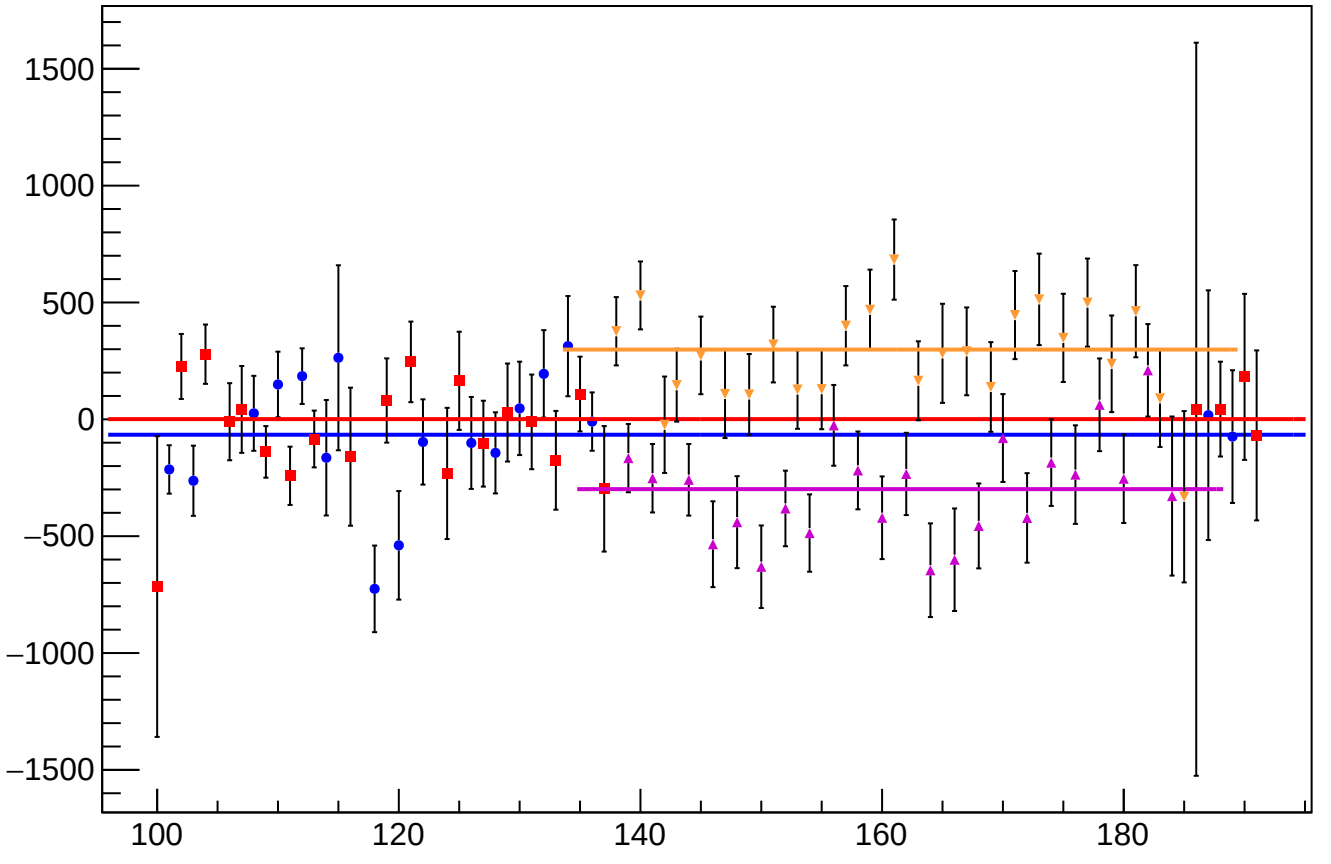
Right Out: 592.518+/-0.163 χ^2/NDF: 5487416.8/22

Left In: 1034.428+/-0.173 χ^2/NDF:628477.2/22

+ sign 780.780+/-0.116 χ^2/NDF: 9231630.1/42

All: 790.399+/-0.083 χ^2/NDF: 18831417.1/88

- sign 800.386+/-0.118 χ^2/NDF: 9585819.7/45



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: 0.916+/-37.802 χ^2/NDF: 21.5/22

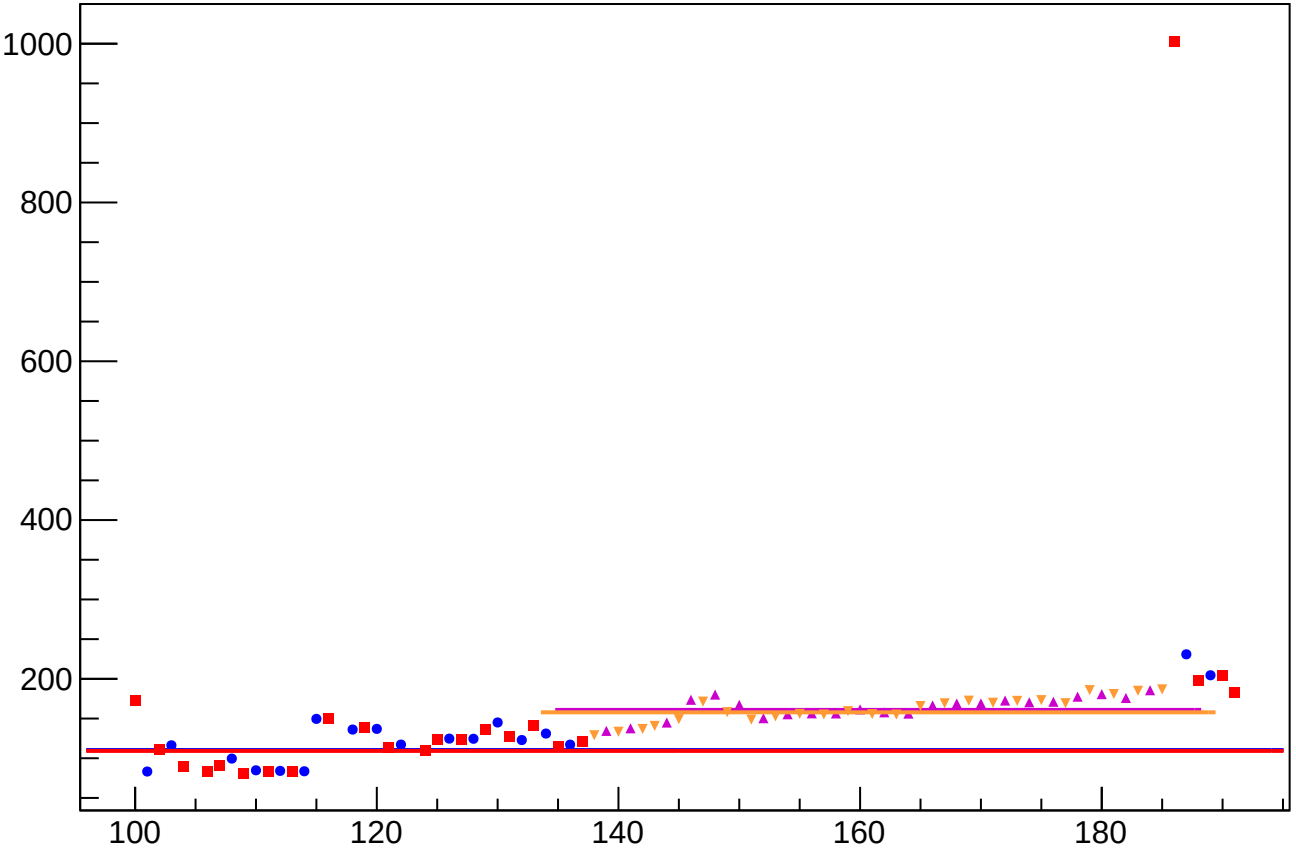
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 136.972+/-26.899 χ^2/NDF: 105.7/42

All: -7.150+/-18.951 χ^2/NDF: 245.1/88

- sign -149.181+/-26.703 χ^2/NDF: 82.4/45

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: 109.255+/-0.027 χ^2/NDF: 1928768.8/22

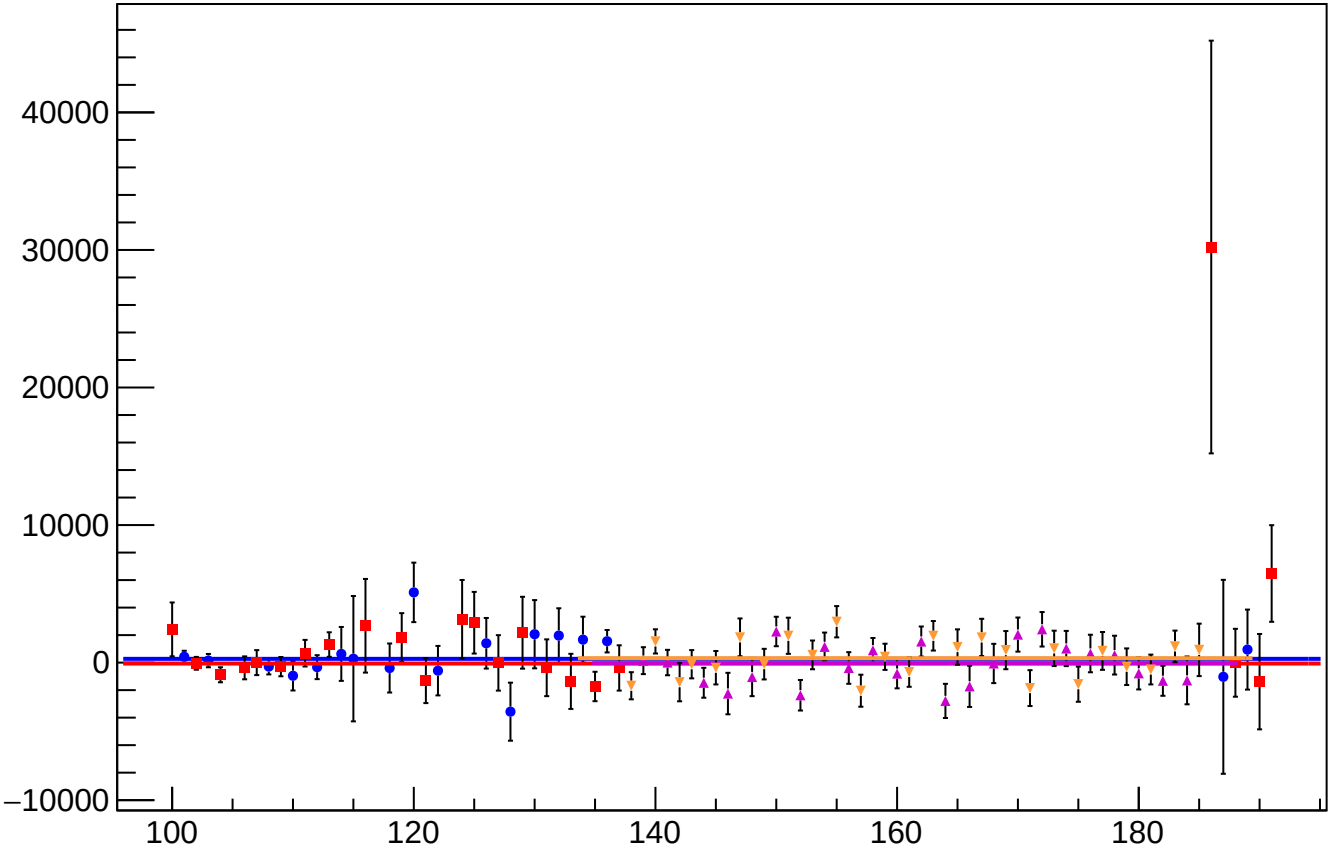
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 136.769+/-0.019 χ^2/NDF: 2781242.7/42

All: 135.937+/-0.013 χ^2/NDF: 6850473.9/88

- sign 135.116+/-0.019 χ^2/NDF: 4065426.6/45

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: -67.238+/-230.710 χ^2/NDF: 23.8/22

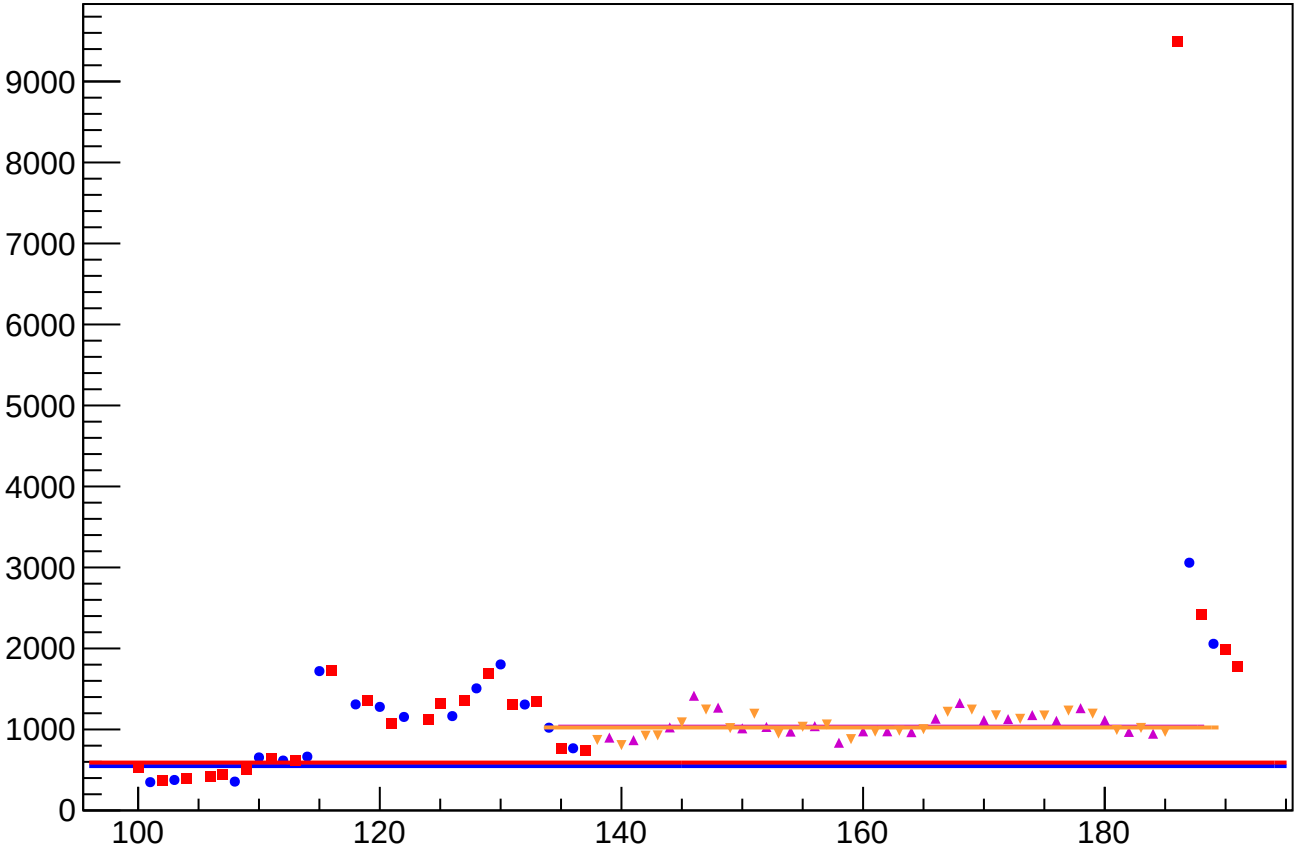
Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

+ sign 296.698+/-164.334 χ^2/NDF: 49.1/42

All: 124.887+/-117.370 χ^2/NDF: 110.0/88

- sign -54.011+/-167.689 χ^2/NDF: 58.6/45

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: 591.128+/-0.163 χ^2/NDF: 5510440.3/22

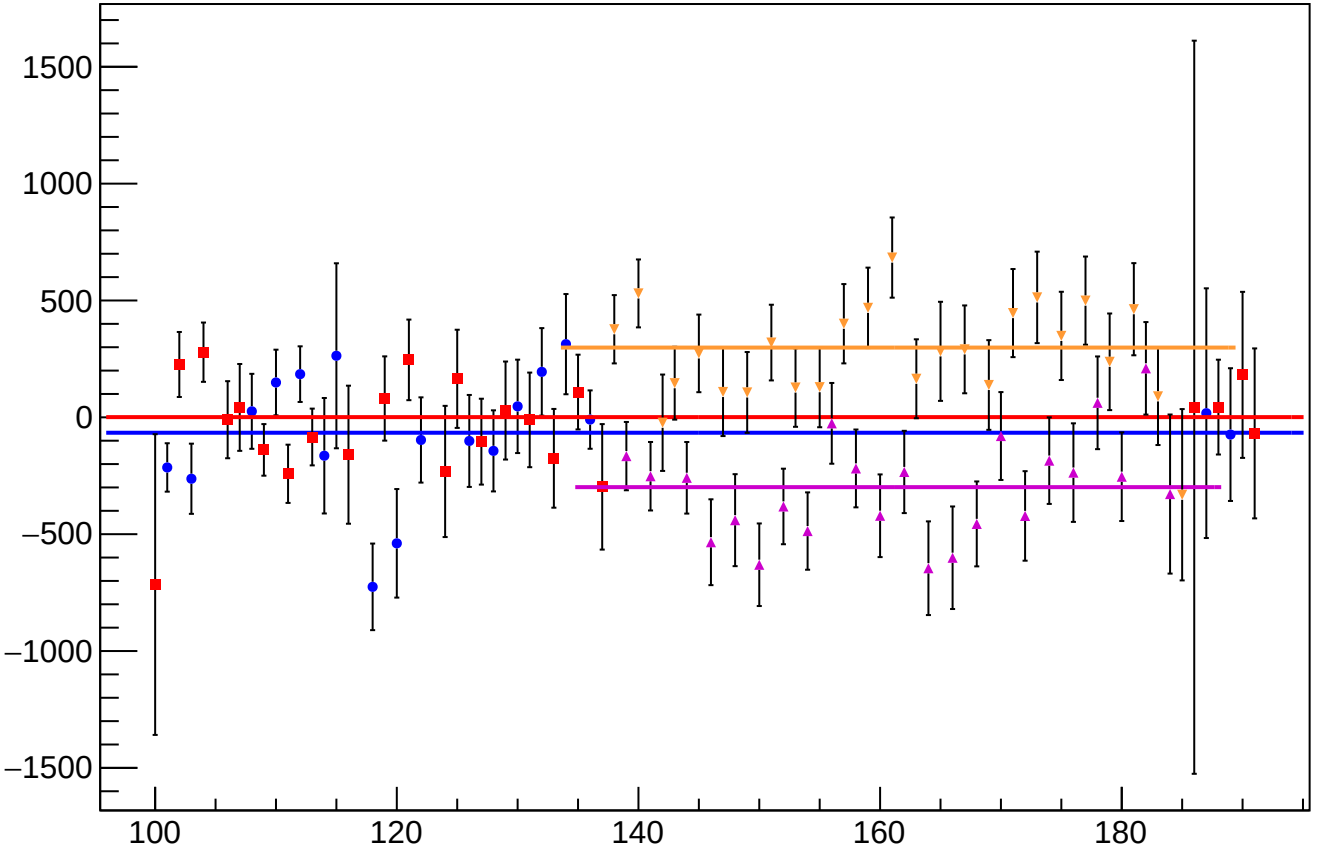
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 780.761+/-0.116 χ^2/NDF: 9232370.6/42

All: 790.302+/-0.083 χ^2/NDF: 18868132.4/88

- sign 800.236+/-0.119 χ^2/NDF: 9622001.9/45

eigen_cor_asym_sam6_mean vs Slug



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: 0.916+/-37.802 χ^2/NDF: 21.5/22

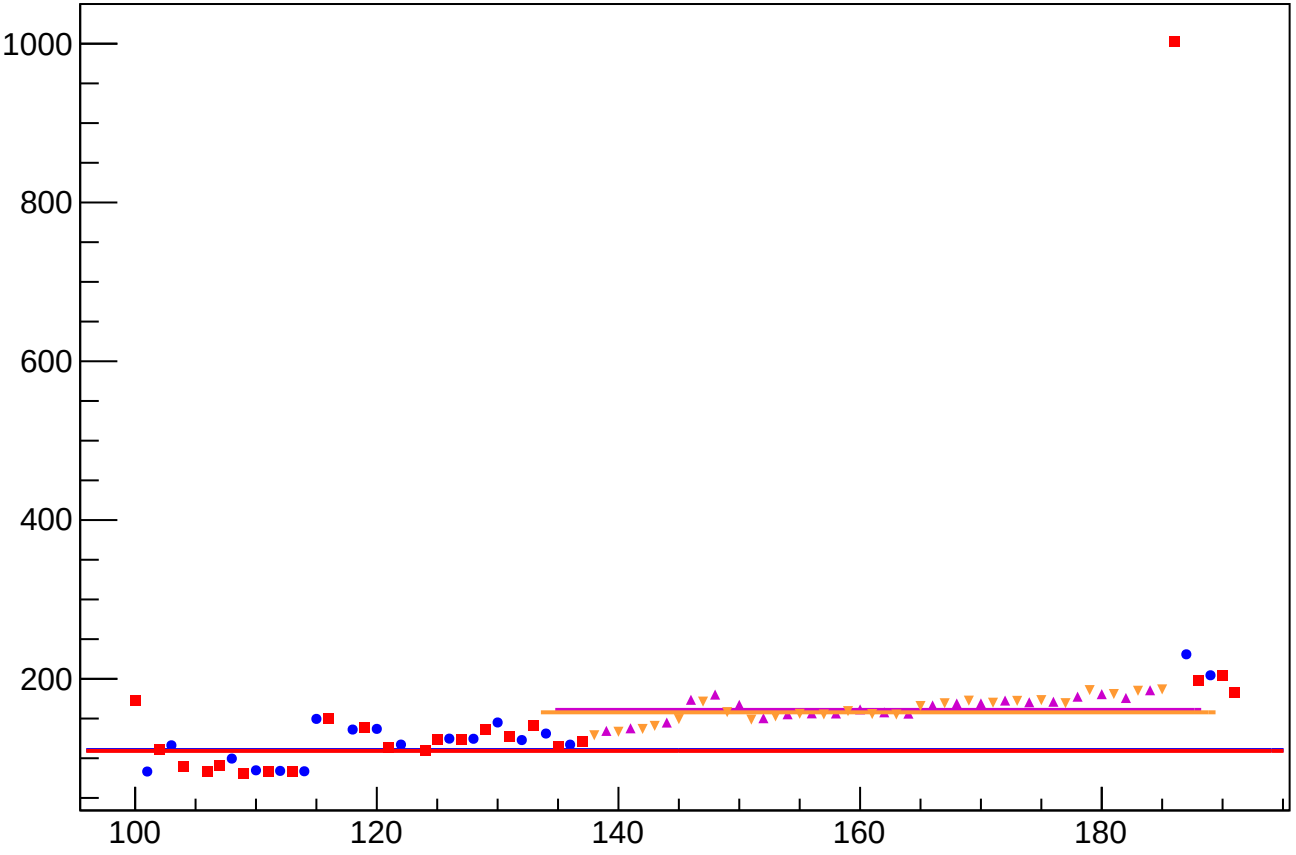
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 136.972+/-26.899 χ^2/NDF: 105.7/42

All: -7.150+/-18.951 χ^2/NDF: 245.1/88

- sign -149.181+/-26.703 χ^2/NDF: 82.4/45

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: 109.255+/-0.027 χ^2/NDF: 1928768.8/22

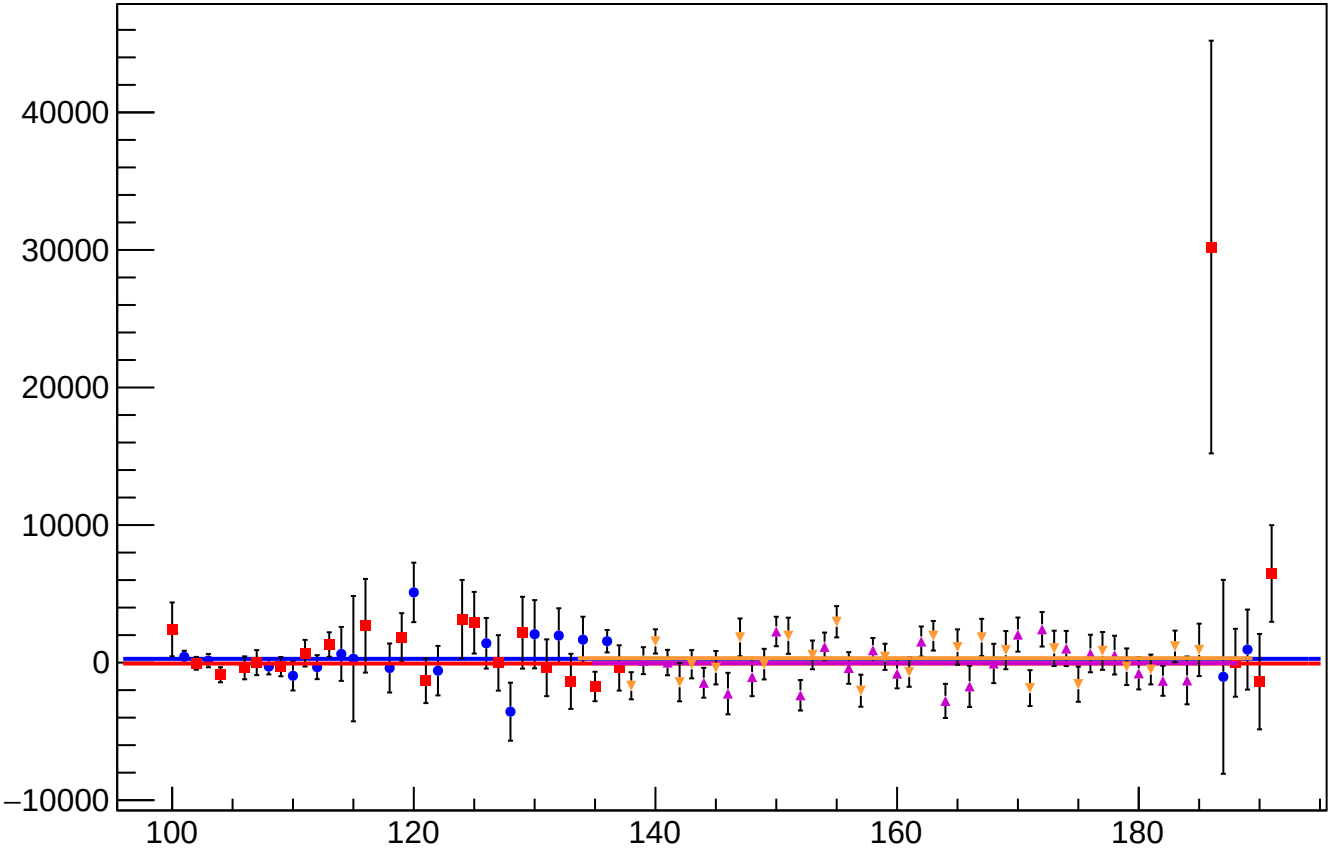
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 136.769+/-0.019 χ^2/NDF: 2781242.7/42

All: 135.937+/-0.013 χ^2/NDF: 6850473.9/88

- sign 135.116+/-0.019 χ^2/NDF: 4065426.6/45

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: -67.238+/-230.710 χ^2/NDF: 23.8/22

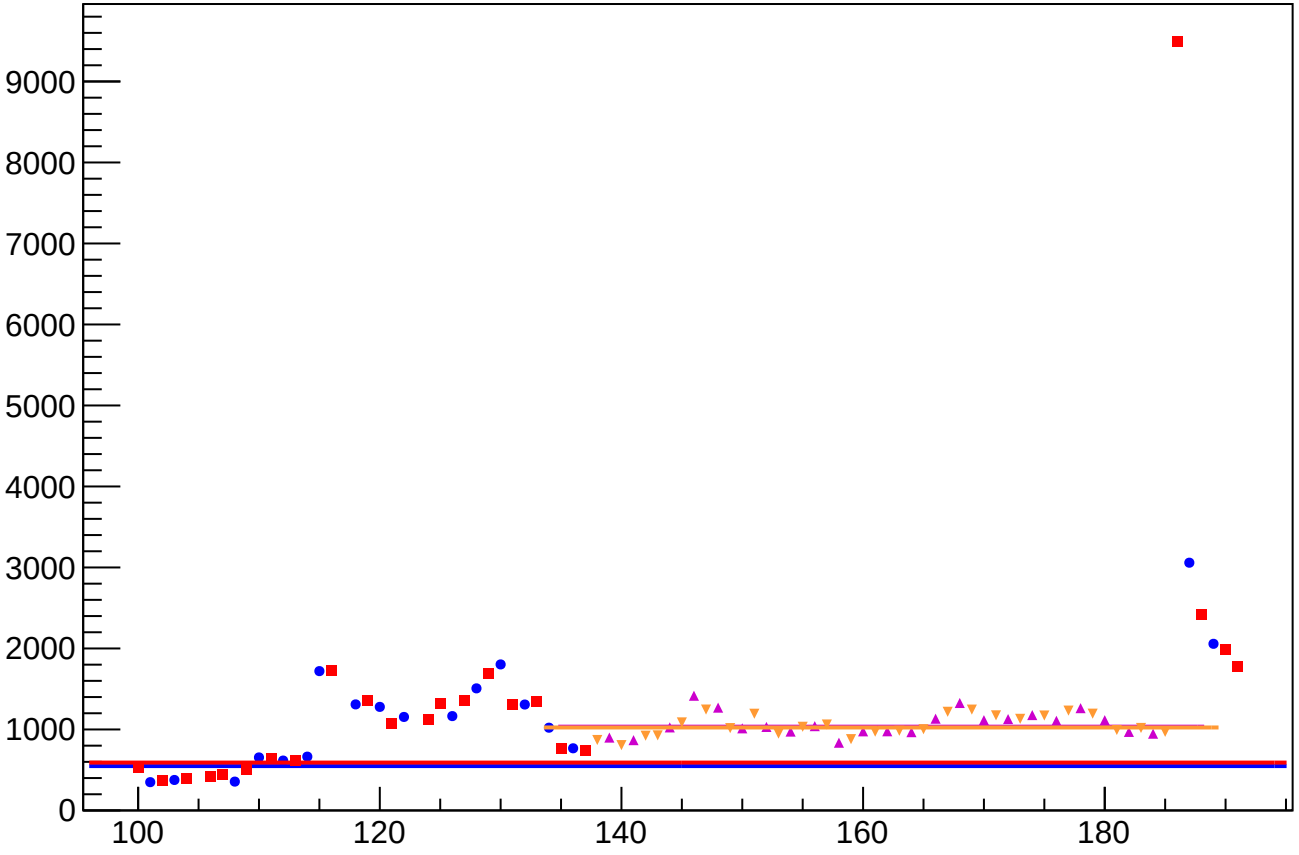
Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

+ sign 296.698+/-164.334 χ^2/NDF: 49.1/42

All: 124.887+/-117.370 χ^2/NDF: 110.0/88

- sign -54.011+/-167.689 χ^2/NDF: 58.6/45

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: 591.128+/-0.163 χ^2/NDF: 5510440.3/22

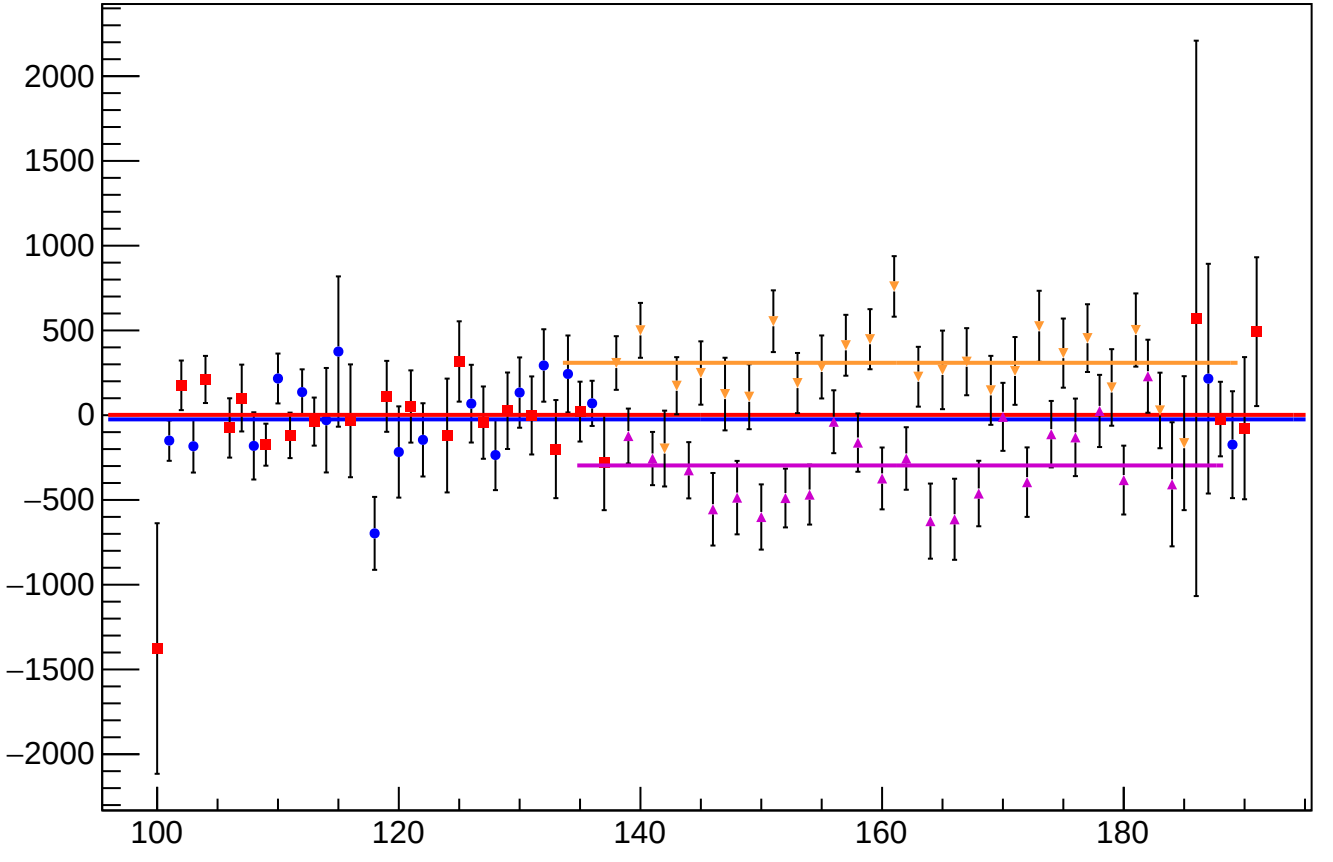
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 780.761+/-0.116 χ^2/NDF: 9232370.6/42

All: 790.302+/-0.083 χ^2/NDF: 18868132.4/88

- sign 800.236+/-0.119 χ^2/NDF: 9622001.9/45

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: 1.824+/-42.300 χ^2/NDF: 15.7/22

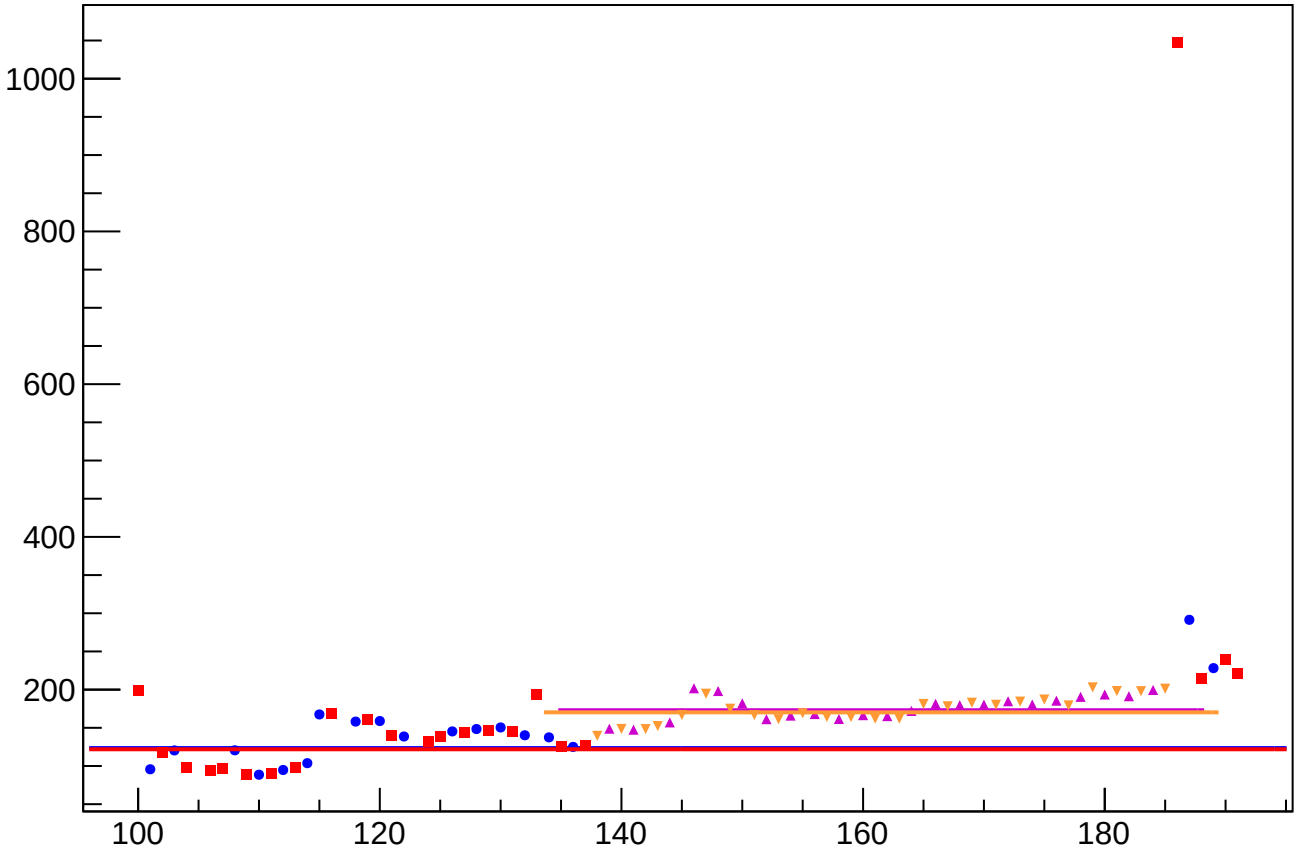
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

+ sign 167.465+/-29.520 χ^2/NDF: 81.3/42

All: 5.784+/-20.793 χ^2/NDF: 210.3/88

- sign -153.428+/-29.294 χ^2/NDF: 69.4/45

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: 121.904+/-0.030 χ^2/NDF: 2067180.9/22

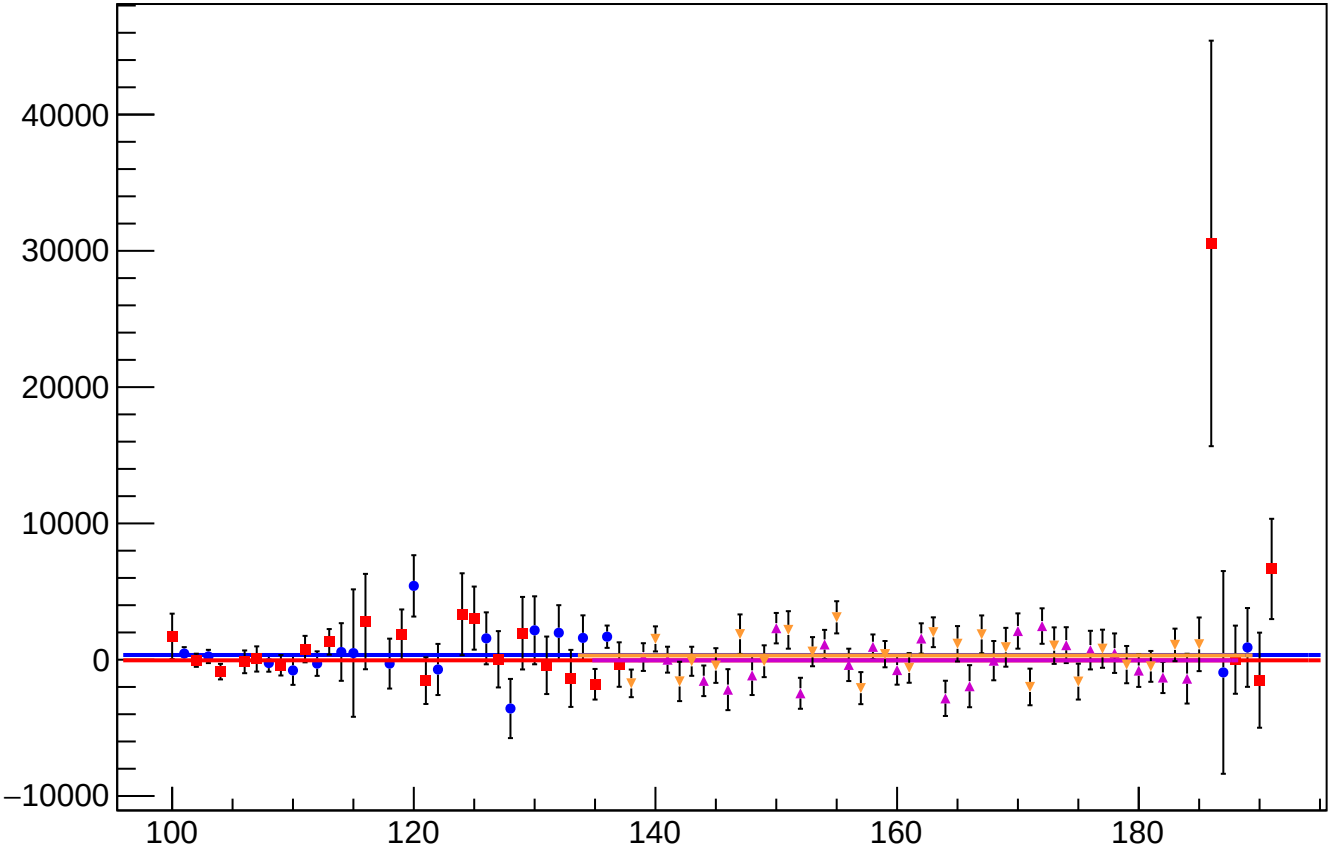
Left In: 173.024+/-0.029 χ^2/NDF:293702.8/22

+ sign 150.395+/-0.021 χ^2/NDF: 2475953.8/42

All: 149.444+/-0.015 χ^2/NDF: 6361040.2/88

- sign 148.508+/-0.021 χ^2/NDF: 3880969.2/45

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: -45.297+/-238.281 χ^2/NDF: 23.0/22

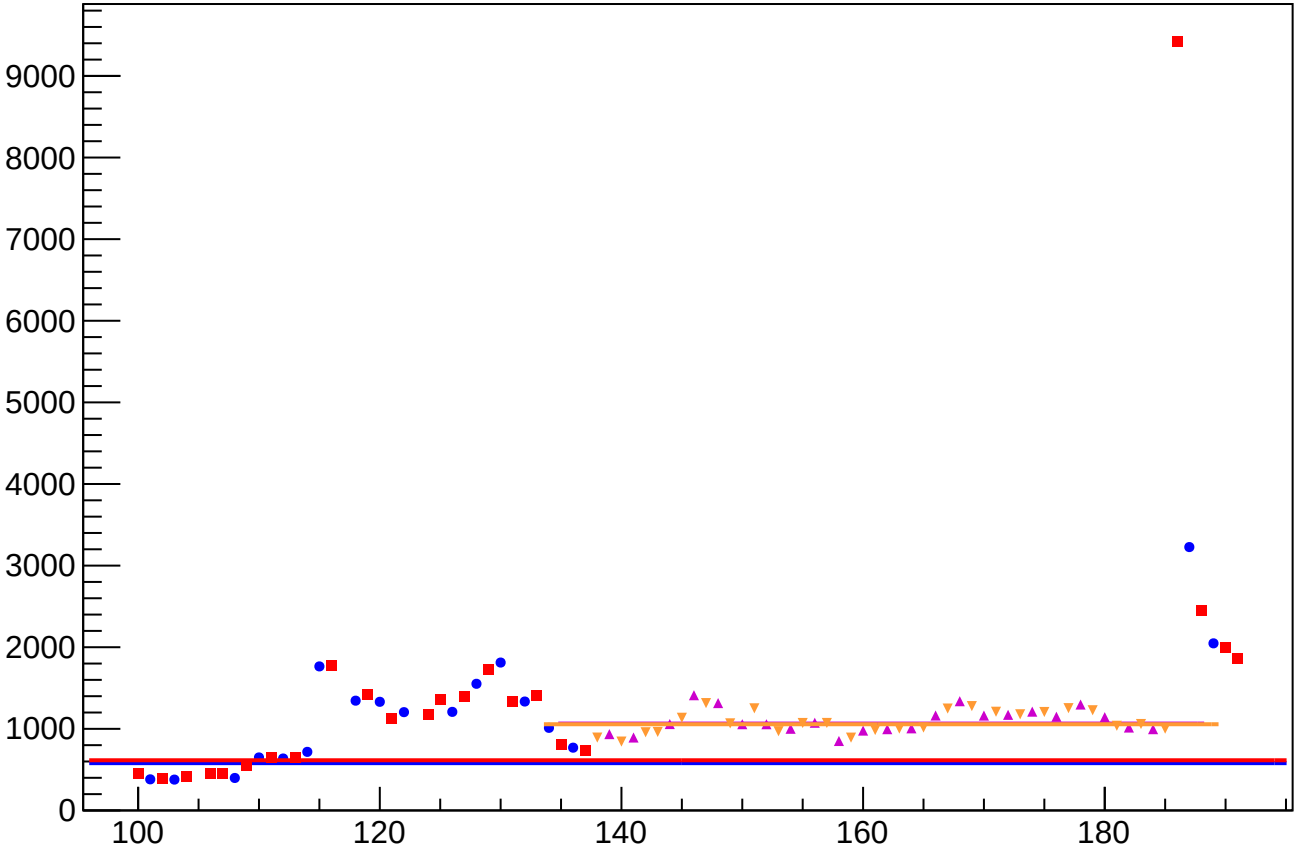
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 330.420+/-170.752 χ^2/NDF: 49.2/42

All: 144.451+/-121.490 χ^2/NDF: 109.0/88

- sign -46.213+/-172.894 χ^2/NDF: 57.4/45

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: 614.935+/-0.168 χ^2/NDF: 5458488.9/22

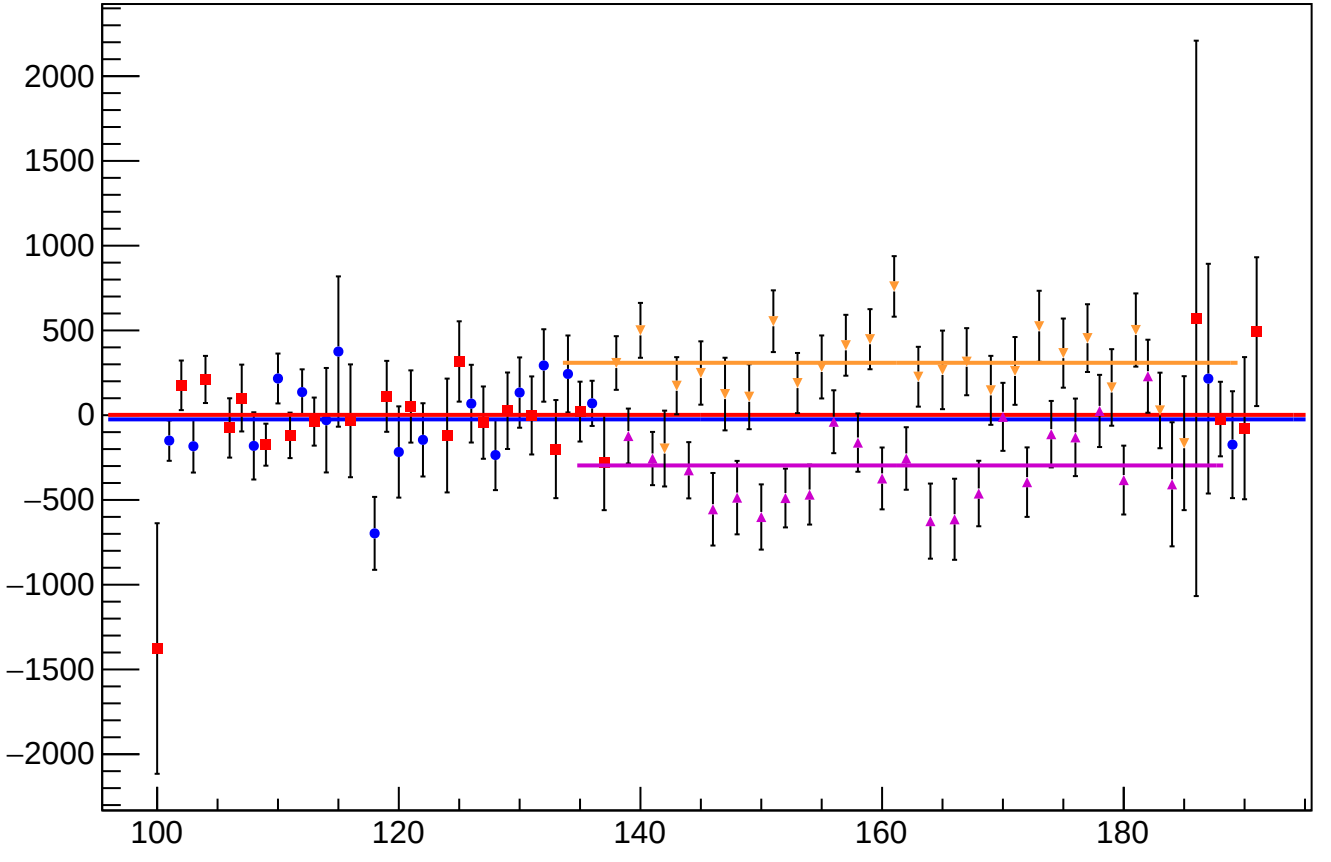
Left In: 1064.691+/-0.178 χ^2/NDF:611055.8/22

+ sign 816.172+/-0.121 χ^2/NDF: 8714426.0/42

All: 821.965+/-0.086 χ^2/NDF: 18162639.4/88

- sign 827.905+/-0.122 χ^2/NDF: 9443550.5/45

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: 1.823+/-42.300 χ^2/NDF: 15.7/22

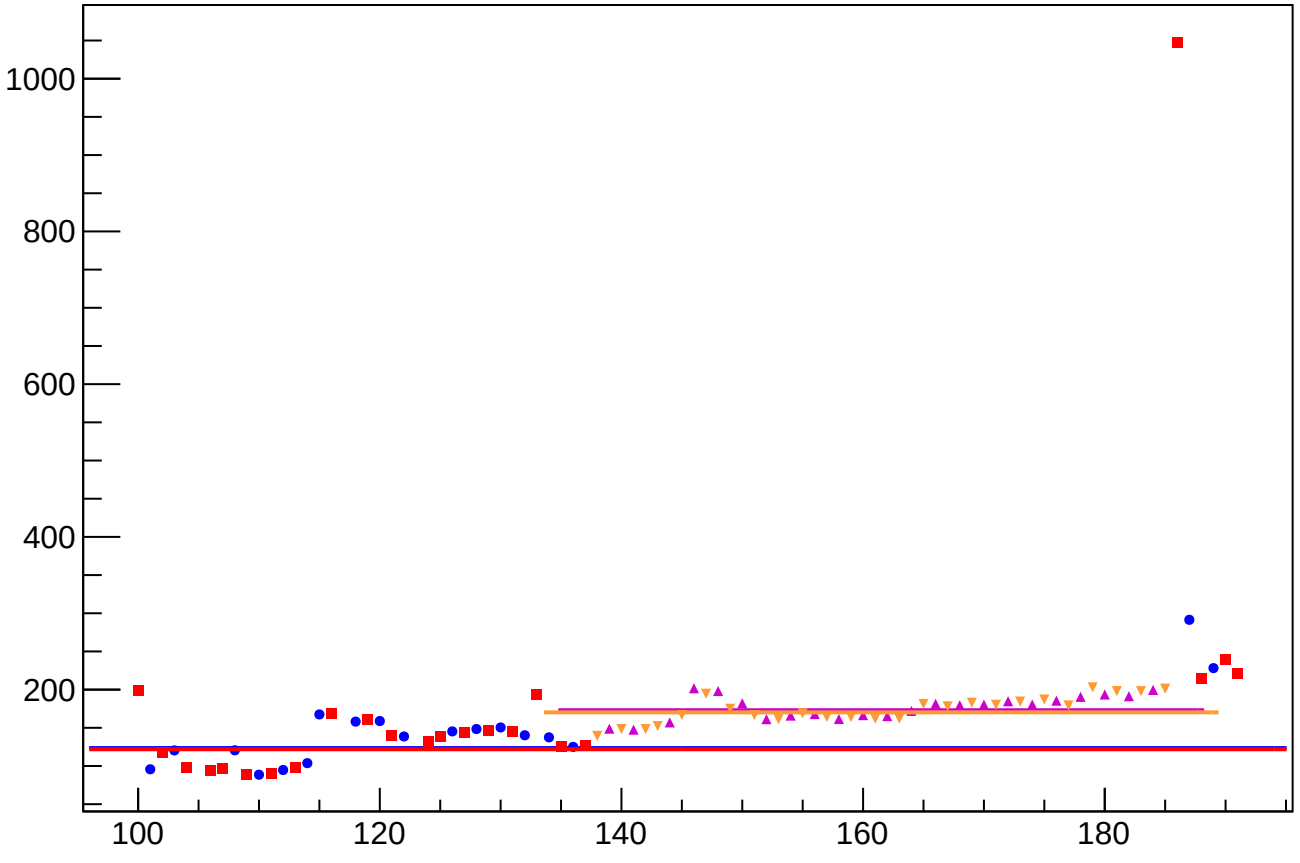
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

+ sign 167.465+/-29.520 χ^2/NDF: 81.3/42

All: 5.784+/-20.793 χ^2/NDF: 210.3/88

- sign -153.428+/-29.294 χ^2/NDF: 69.4/45

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

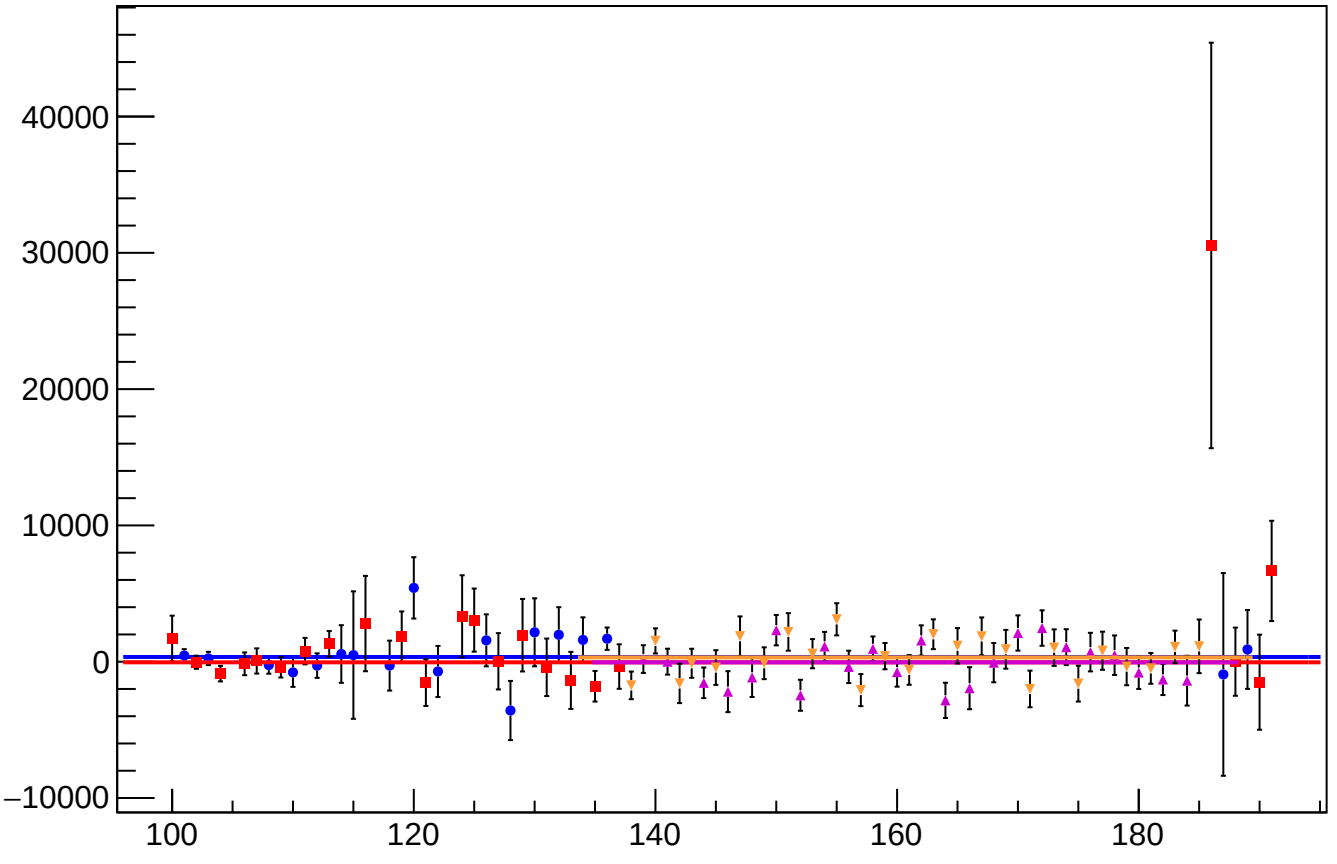
Right Out: 121.904+/-0.030 χ^2/NDF: 2067177.3/22

Left In: 173.023+/-0.029 χ^2/NDF:293703.4/22

+ sign 150.394+/-0.021 χ^2/NDF: 2475965.9/42

All: 149.444+/-0.015 χ^2/NDF: 6361055.4/88

- sign 148.508+/-0.021 χ^2/NDF: 3880972.5/45



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: -45.298+/-238.281 χ^2/NDF: 23.0/22

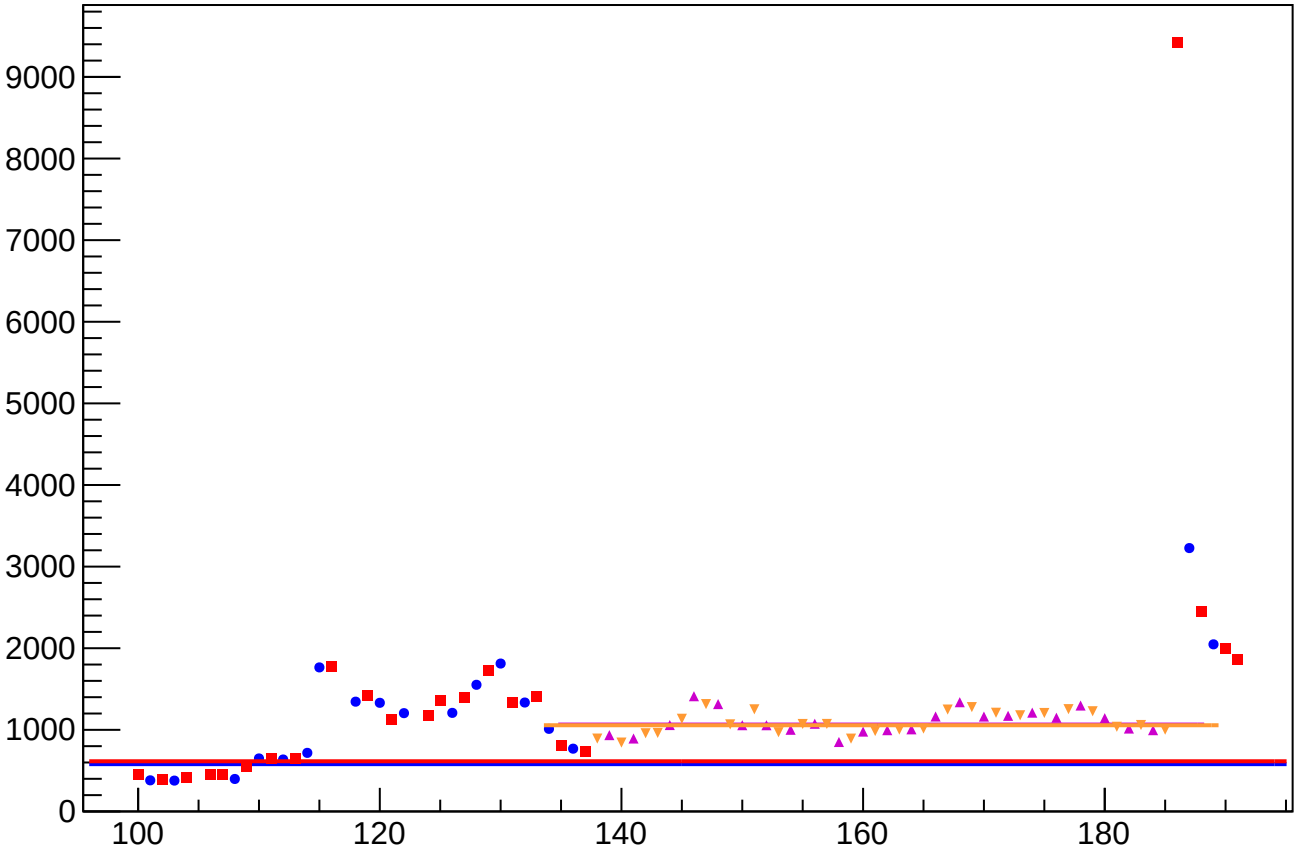
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 330.420+/-170.752 χ^2/NDF: 49.2/42

All: 144.451+/-121.490 χ^2/NDF: 109.0/88

- sign -46.213+/-172.894 χ^2/NDF: 57.4/45

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: 614.934+/-0.168 χ^2/NDF: 5458489.5/22

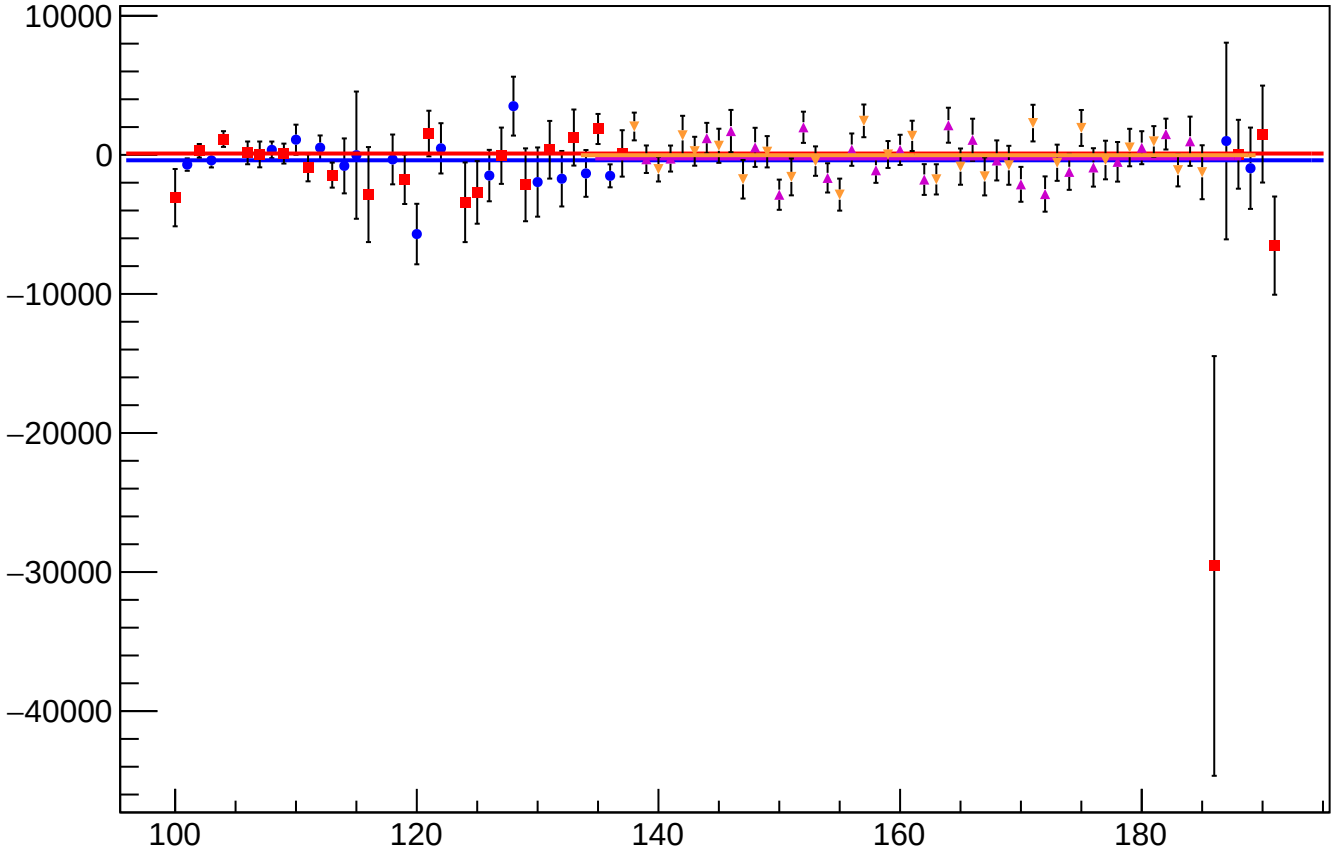
Left In: 1064.691+/-0.178 χ^2/NDF:611059.3/22

+ sign 816.171+/-0.121 χ^2/NDF: 8714454.6/42

All: 821.965+/-0.086 χ^2/NDF: 18162682.4/88

- sign 827.904+/-0.122 χ^2/NDF: 9443564.8/45

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: 97.110+/-236.041 χ^2/NDF: 26.9/22

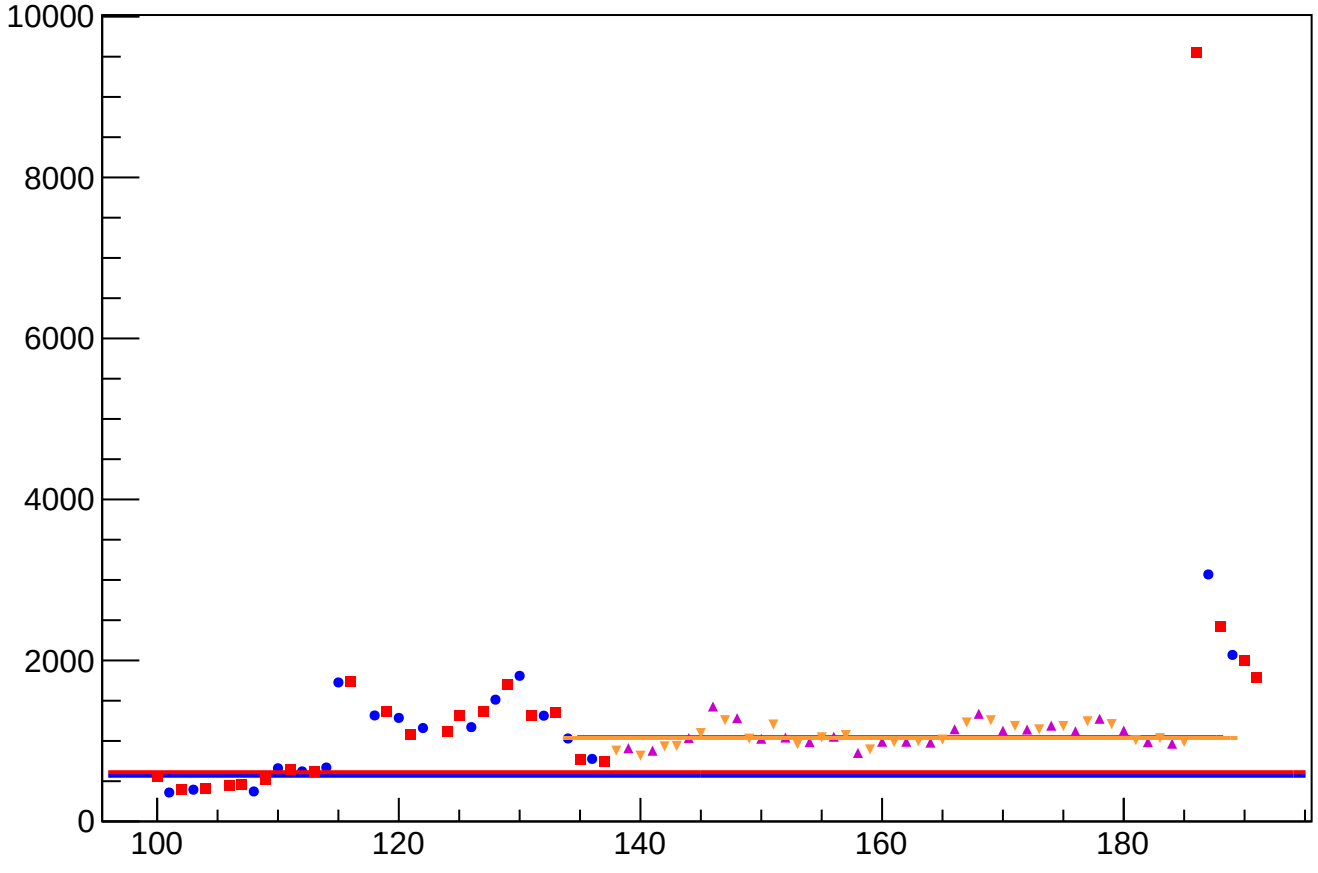
Left In: -255.399+/-247.203 χ^2/NDF:33.6/22

+ sign -206.347+/-167.789 χ^2/NDF: 53.7/42

All: -139.847+/-119.666 χ^2/NDF: 115.6/88

- sign -71.007+/-170.716 χ^2/NDF: 61.6/45

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

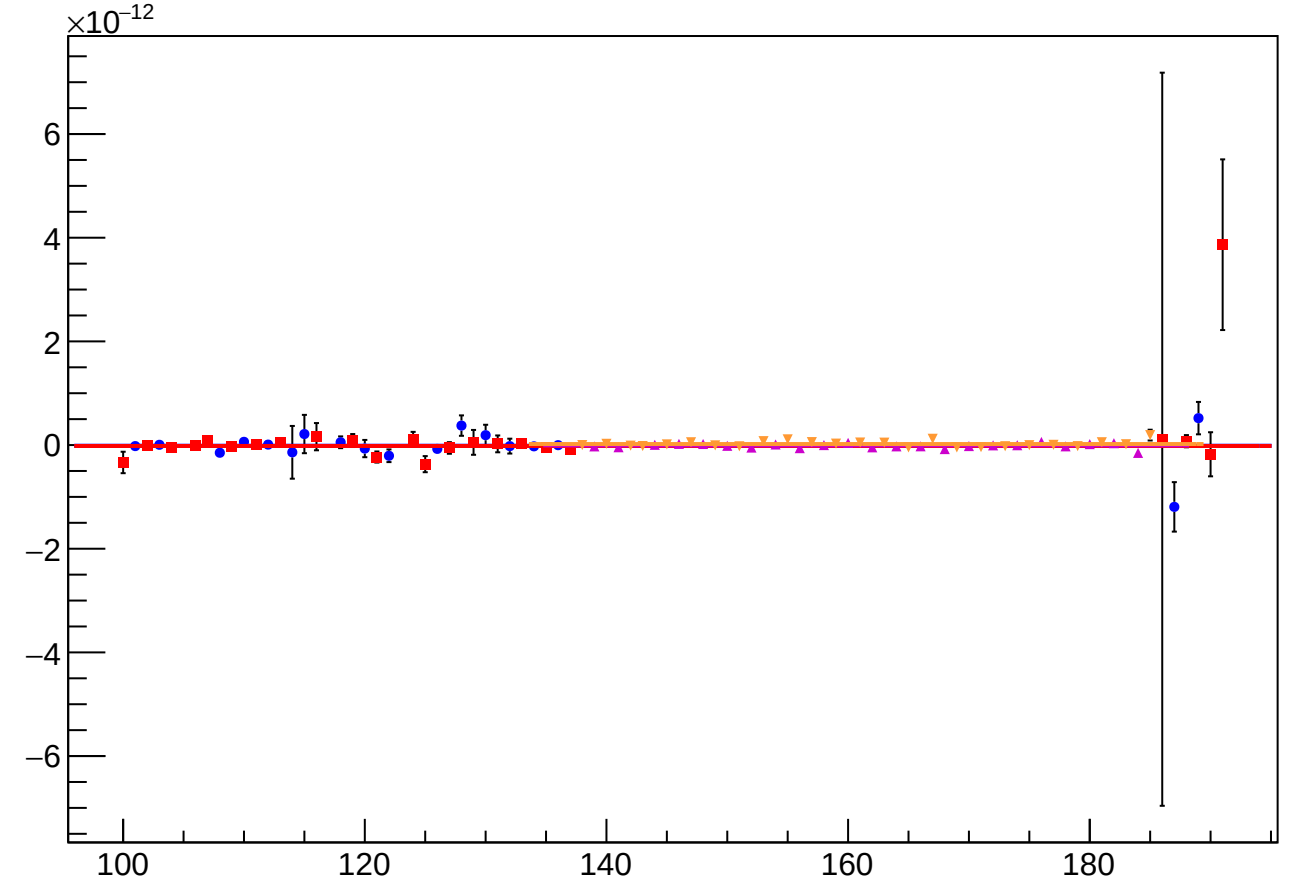
Right Out: 611.798+/-0.167 χ^2/NDF: 5324846.9/22

Left In: 1047.629+/-0.175 χ^2/NDF:613357.0/22

+ sign 801.324+/-0.119 χ^2/NDF: 8762044.4/42

All: 810.330+/-0.085 χ^2/NDF: 17963834.3/88

- sign 819.653+/-0.121 χ^2/NDF: 9190064.2/45



Right In: -0.000+/-0.000 χ^2/NDF: 24.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:30.0/24

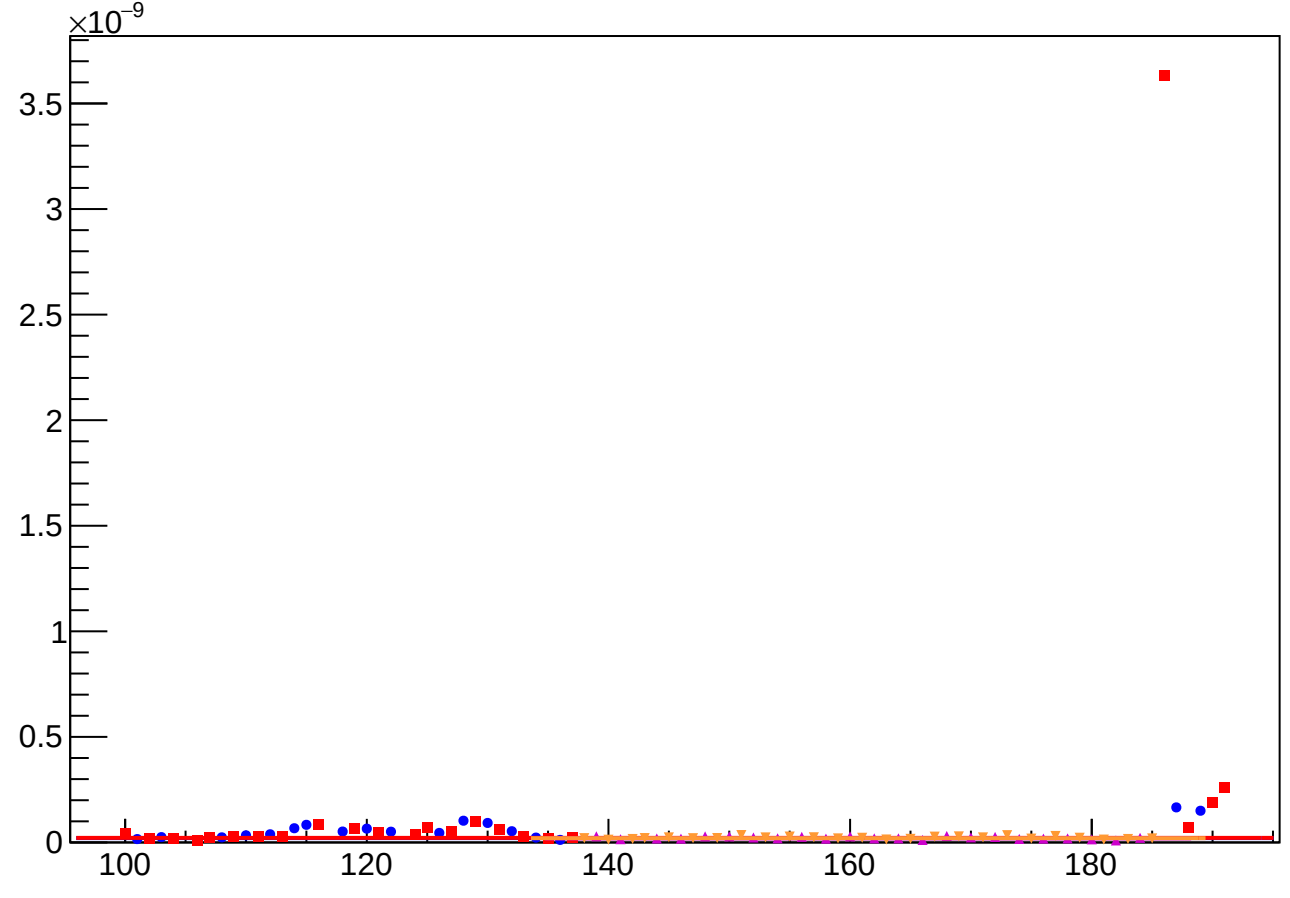
Right Out: -0.000+/-0.000 χ^2/NDF: 26.2/22

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: 109.5/88

- sign -0.000+/-0.000 χ^2/NDF: 45.3/45



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: 3069773.5/22

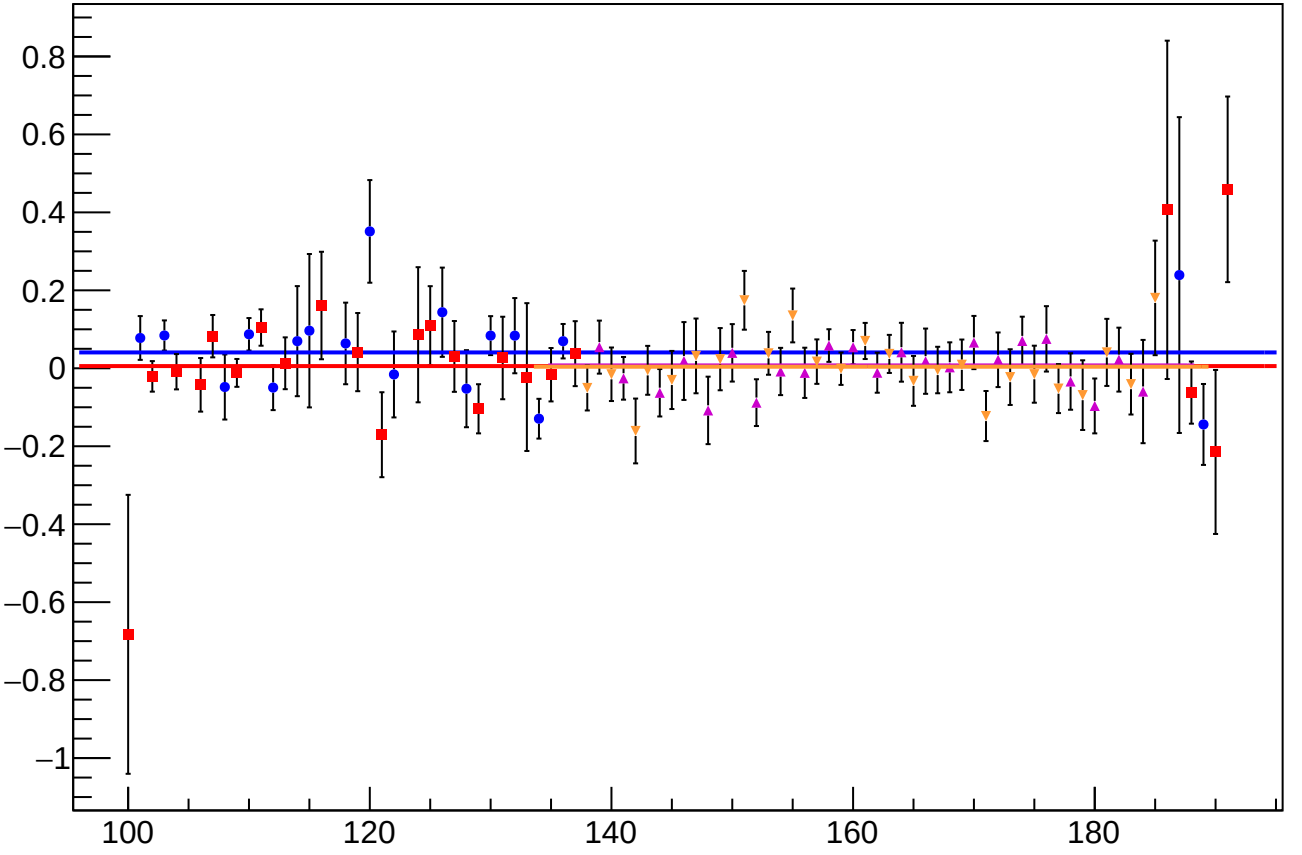
Left In: 0.000+/-0.000 χ^2/NDF:1048721.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 3530734.2/42

All: 0.000+/-0.000 χ^2/NDF: 7703096.5/88

- sign 0.000+/-0.000 χ^2/NDF: 4167120.7/45

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: 0.006+/-0.015 χ^2/NDF: 26.5/22

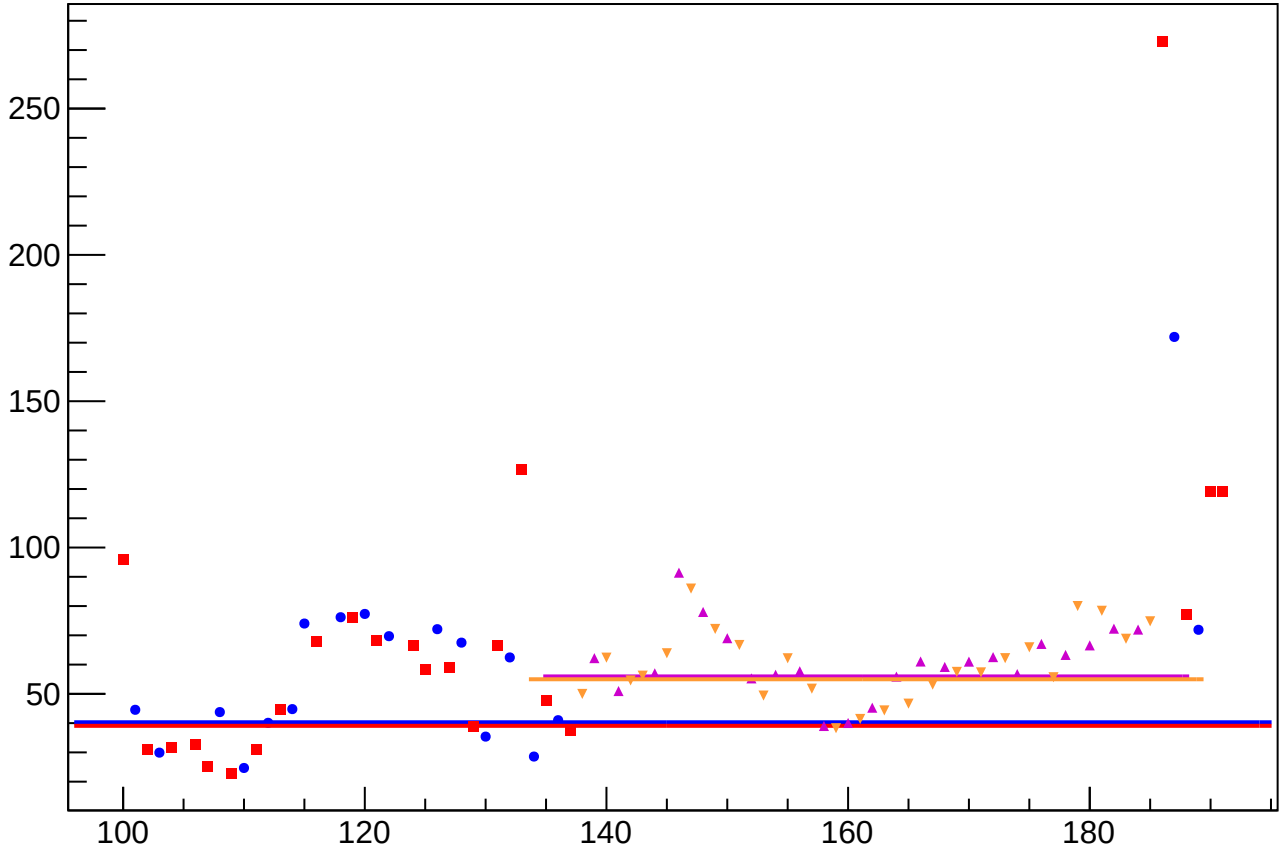
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.019+/-0.010 χ^2/NDF: 58.1/42

All: 0.013+/-0.007 χ^2/NDF: 100.4/88

- sign 0.007+/-0.010 χ^2/NDF: 41.5/45

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

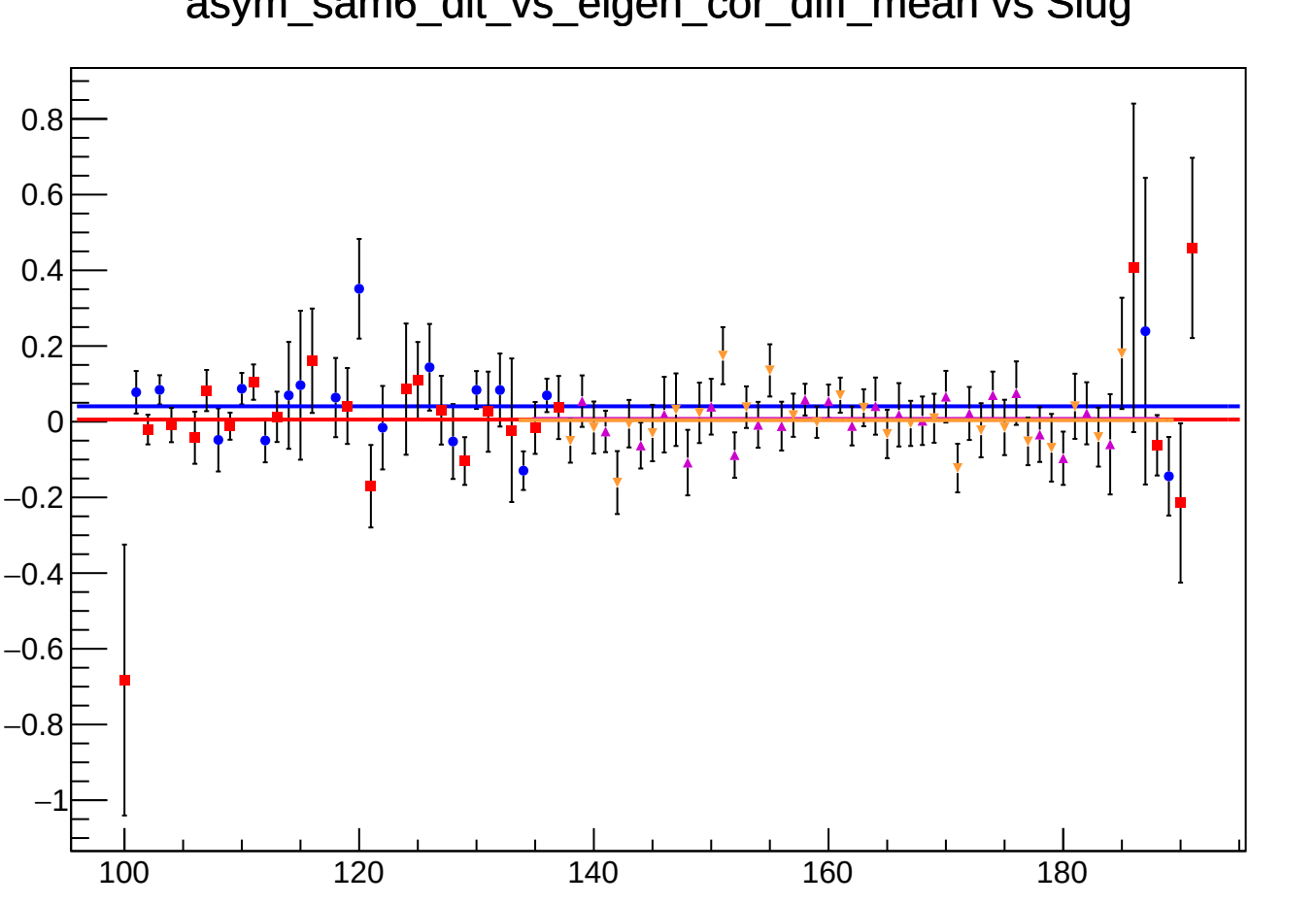
Right Out: 39.078+/-0.010 χ^2/NDF: 3693785.7/22

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

+ sign 49.090+/-0.007 χ^2/NDF: 4569620.3/42

All: 48.675+/-0.005 χ^2/NDF: 11097275.1/88

- sign 48.264+/-0.007 χ^2/NDF: 6520836.4/45



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: 0.006+/-0.015 χ^2/NDF: 26.5/22

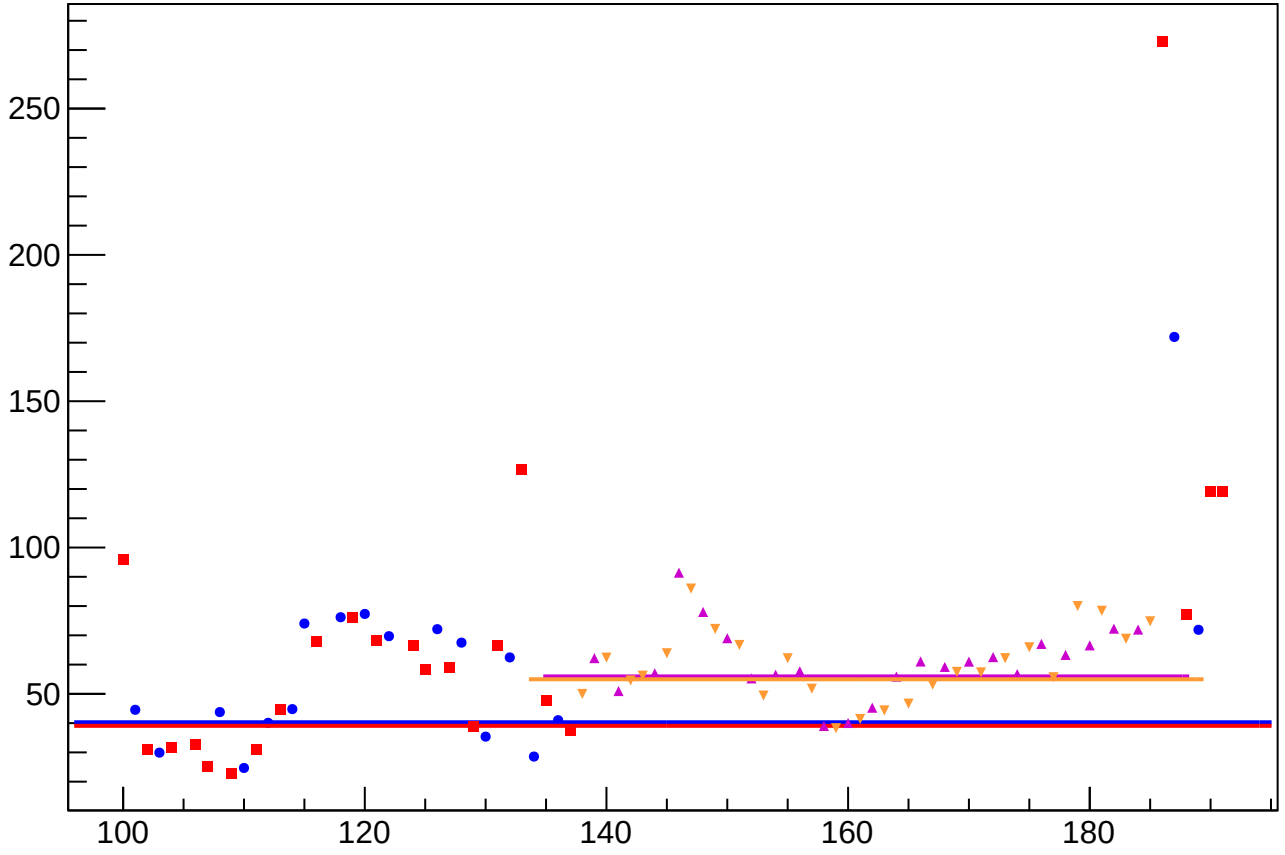
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.019+/-0.010 χ^2/NDF: 58.1/42

All: 0.013+/-0.007 χ^2/NDF: 100.4/88

- sign 0.007+/-0.010 χ^2/NDF: 41.5/45

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

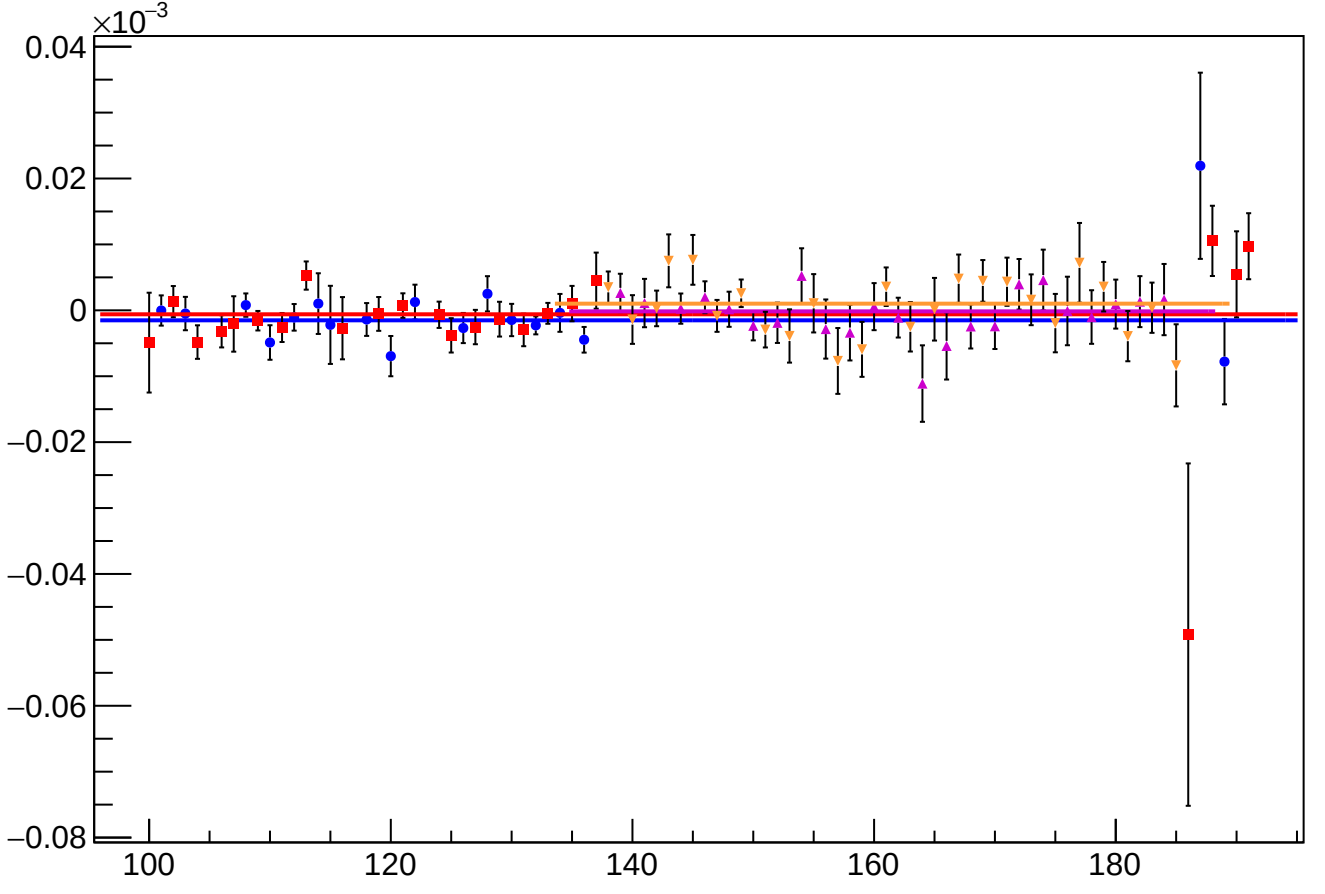
Right Out: 39.078+/-0.010 χ^2/NDF: 3693785.7/22

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

+ sign 49.090+/-0.007 χ^2/NDF: 4569620.3/42

All: 48.675+/-0.005 χ^2/NDF: 11097275.1/88

- sign 48.264+/-0.007 χ^2/NDF: 6520836.4/45



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: 32.3/22

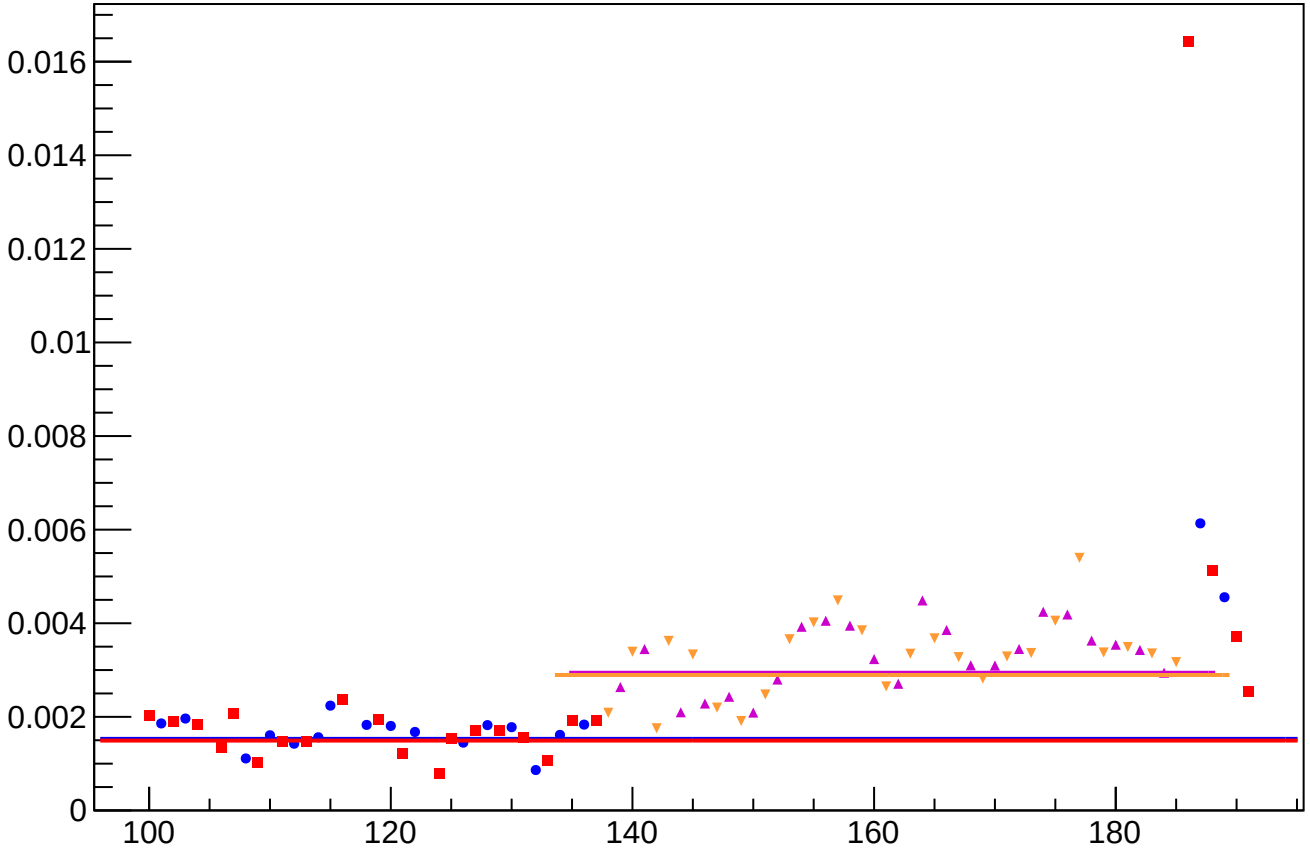
Left In: -0.000+/-0.000 χ^2/NDF:14.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.0/42

All: -0.000+/-0.000 χ^2/NDF: 100.7/88

- sign -0.000+/-0.000 χ^2/NDF: 46.6/45

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

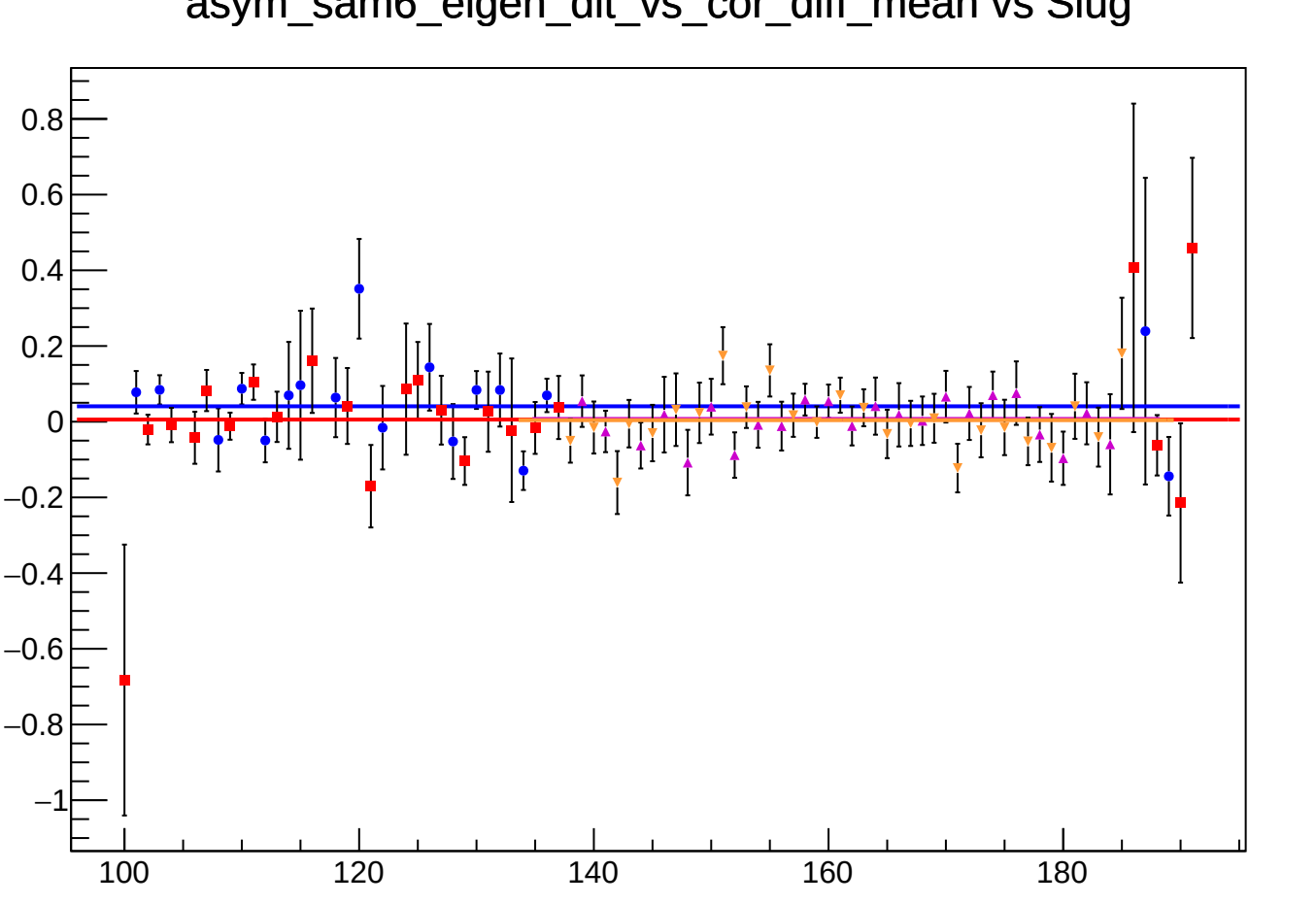
Right Out: 0.001+/-0.000 χ^2/NDF: 2947056.9/22

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: 18971929.7/88

- sign 0.002+/-0.000 χ^2/NDF: 10144641.8/45



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: 0.006+/-0.015 χ^2/NDF: 26.5/22

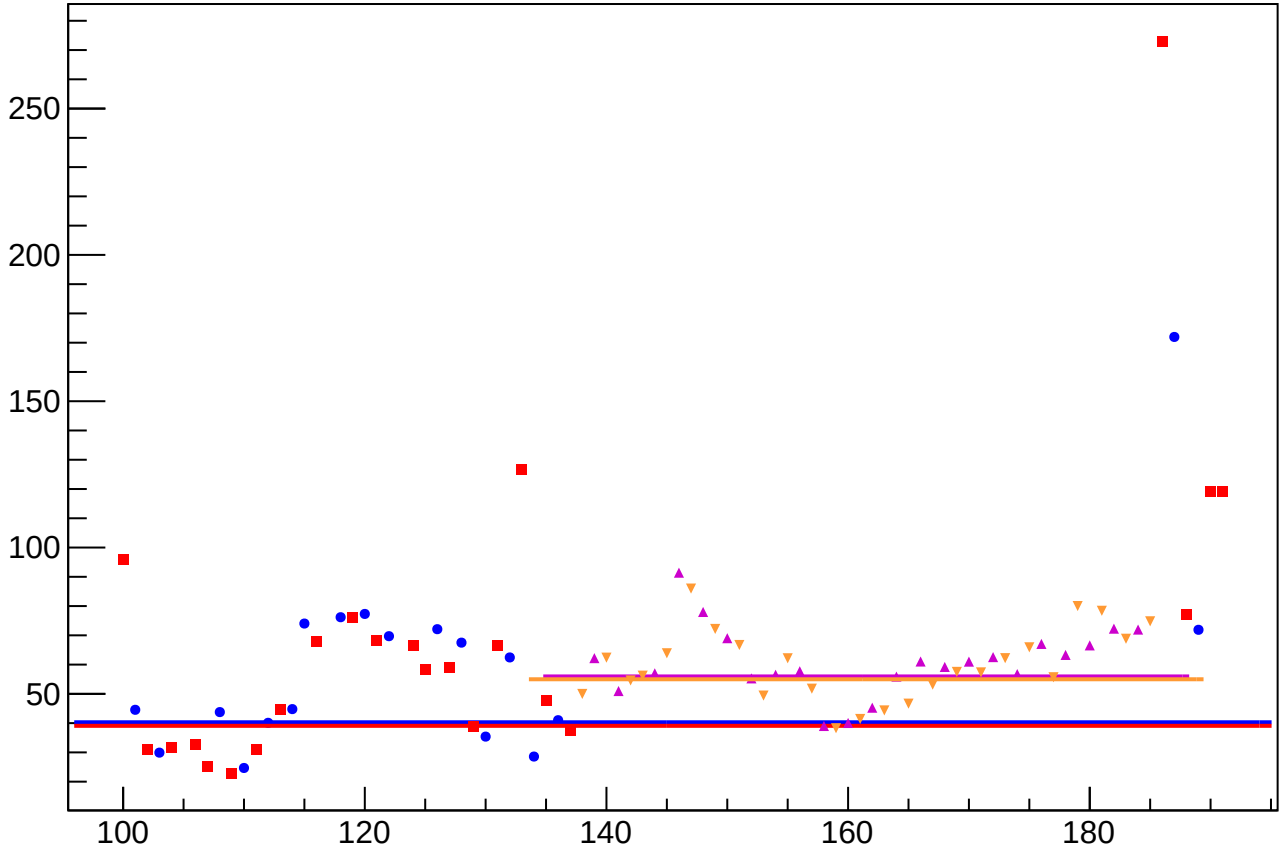
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.019+/-0.010 χ^2/NDF: 58.1/42

All: 0.013+/-0.007 χ^2/NDF: 100.4/88

- sign 0.007+/-0.010 χ^2/NDF: 41.5/45

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

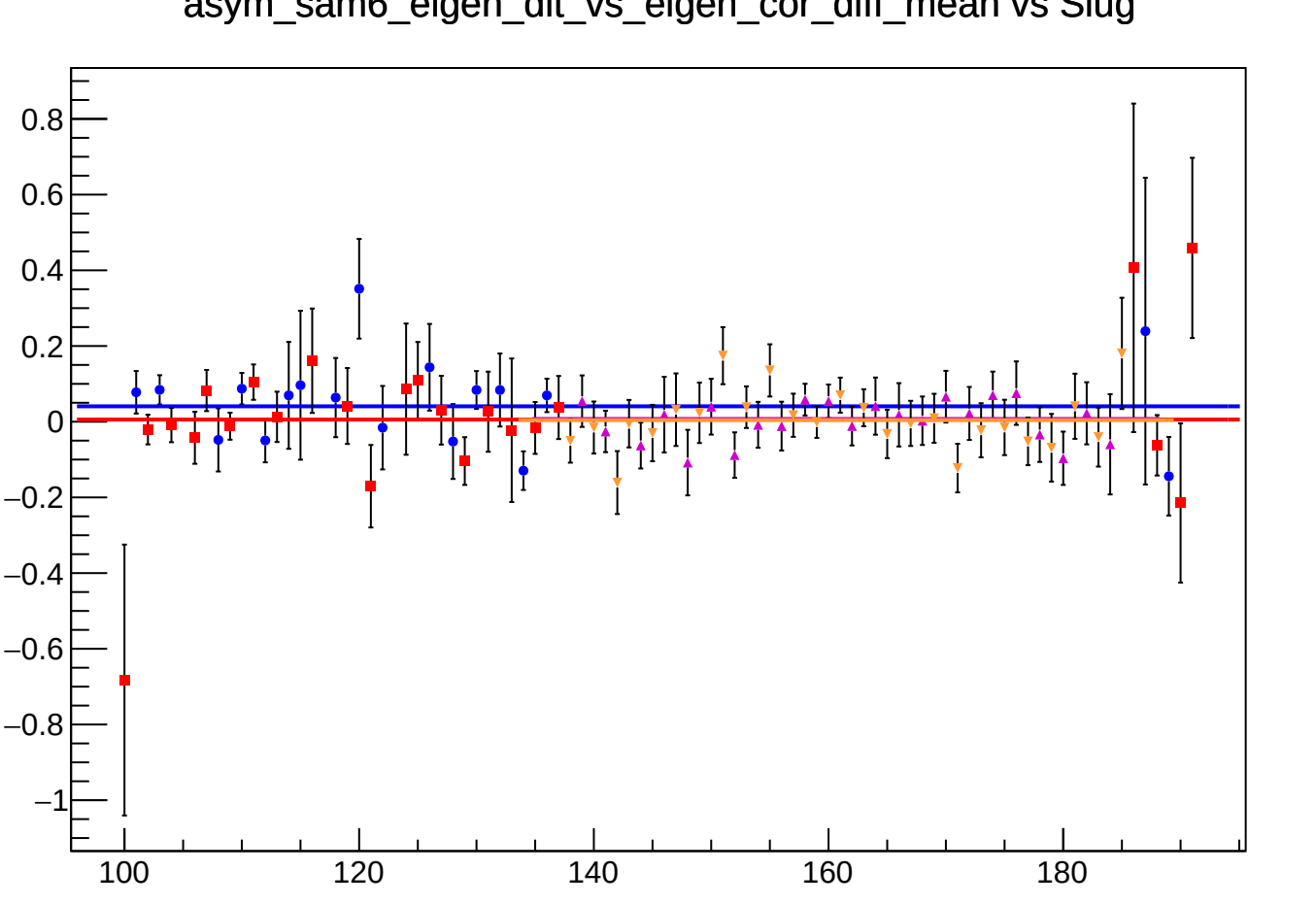
Right Out: 39.077+/-0.010 χ^2/NDF: 3693746.9/22

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

+ sign 49.089+/-0.007 χ^2/NDF: 4569729.5/42

All: 48.674+/-0.005 χ^2/NDF: 11097399.4/88

- sign 48.263+/-0.007 χ^2/NDF: 6520852.9/45



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: 0.006+/-0.015 χ^2/NDF: 26.5/22

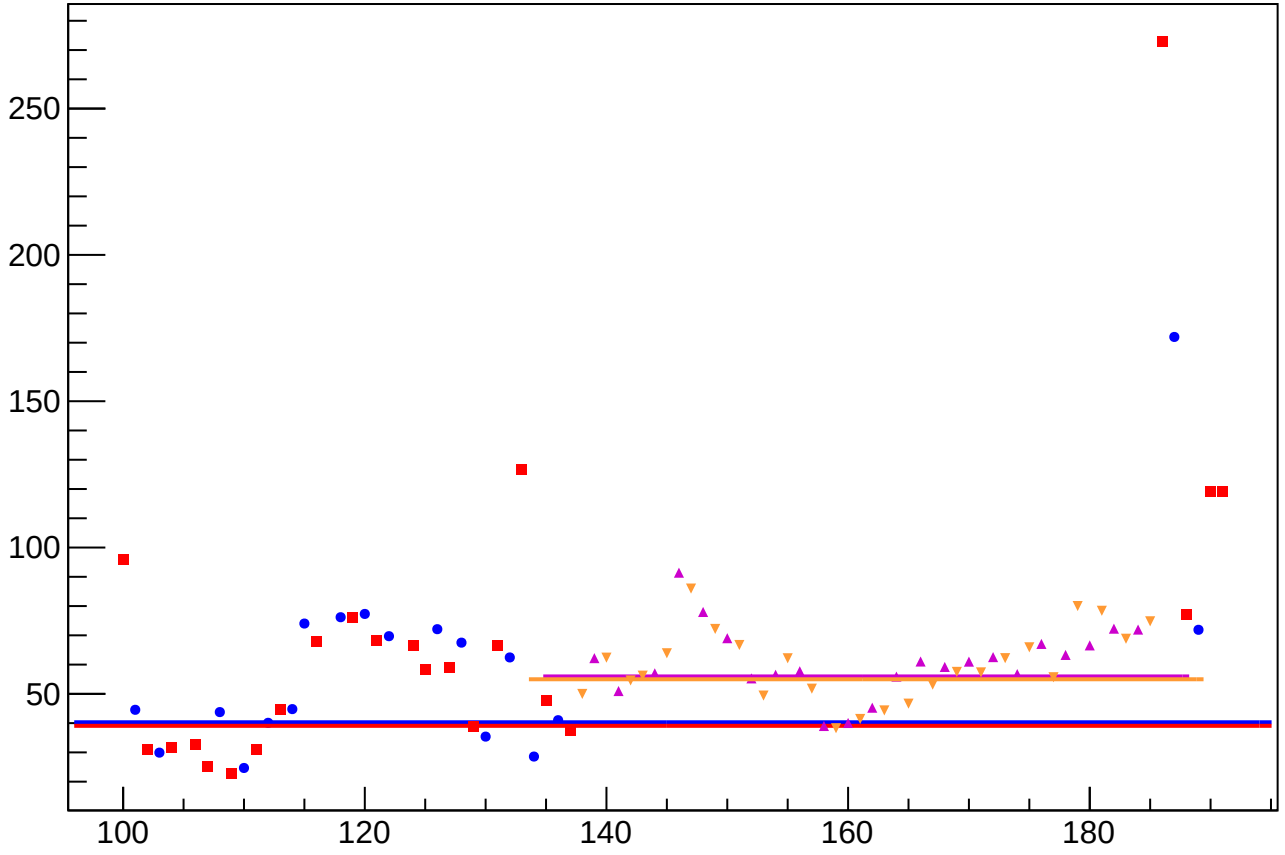
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.019+/-0.010 χ^2/NDF: 58.1/42

All: 0.013+/-0.007 χ^2/NDF: 100.4/88

- sign 0.007+/-0.010 χ^2/NDF: 41.5/45

asym_sam6_eigen_dit_vs_eigen_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

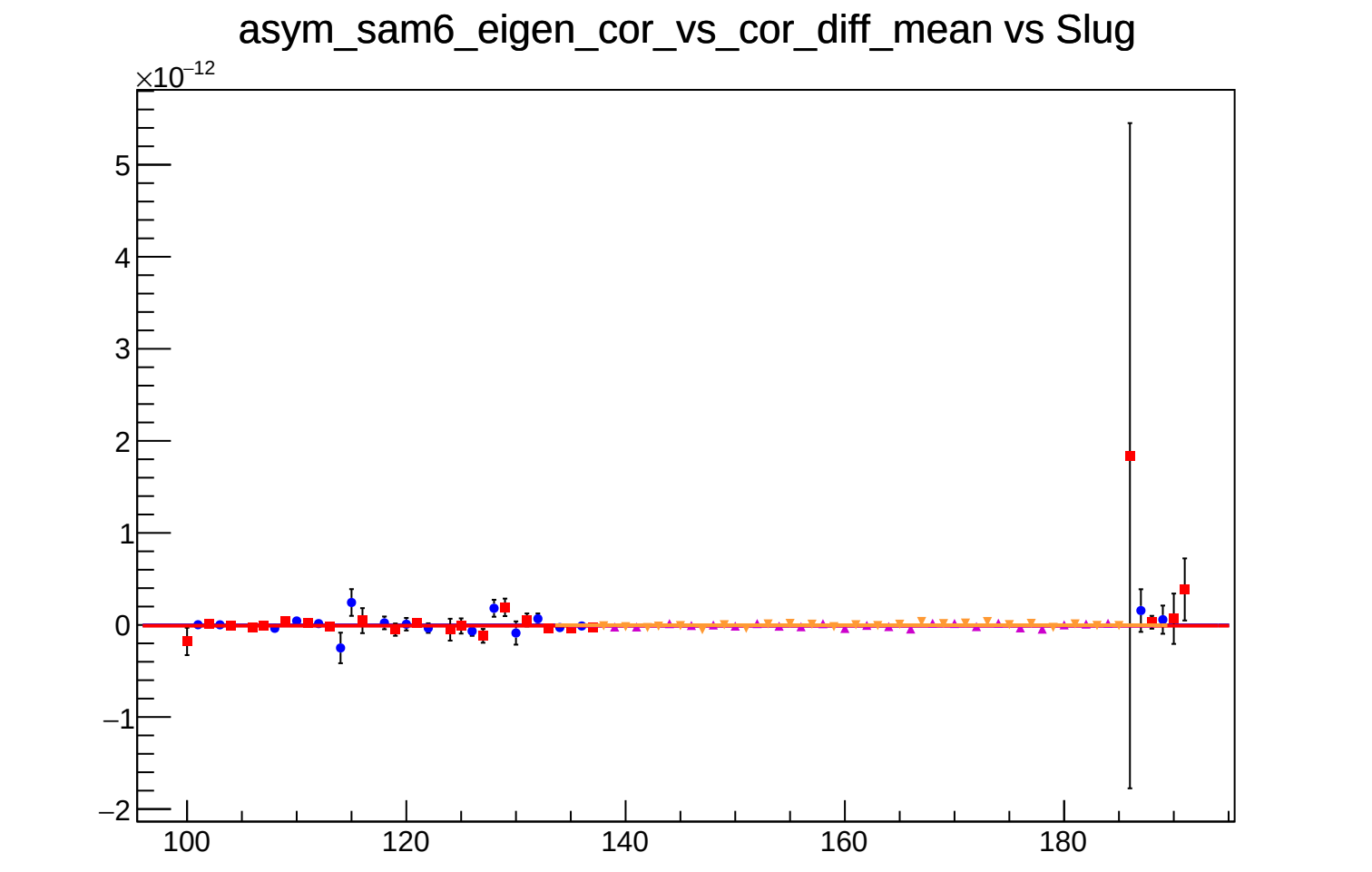
Right Out: 39.077+/-0.010 χ^2/NDF: 3693746.9/22

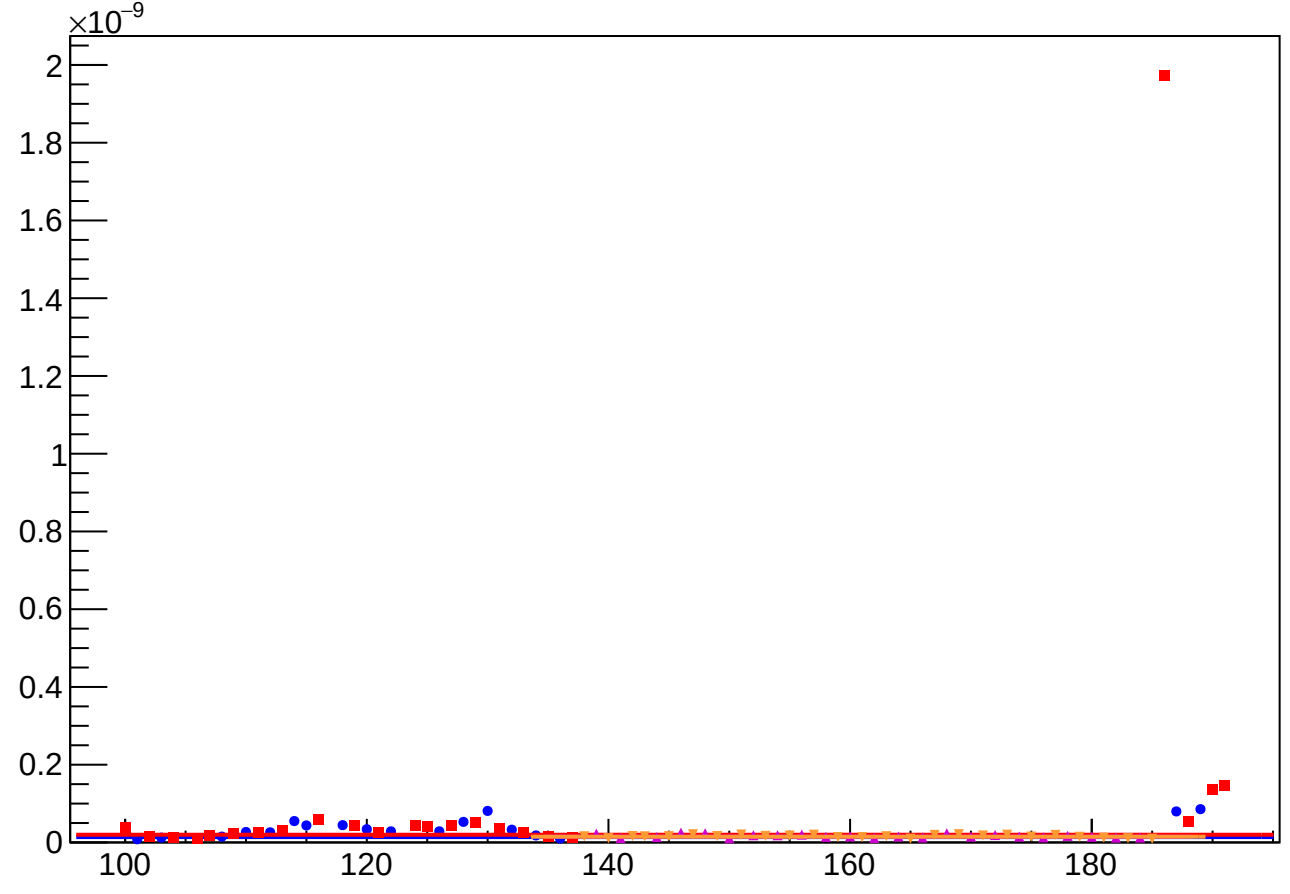
Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

\+ sign 49.089+/-0.007 χ^2/NDF: 4569729.5/42

All: 48.674+/-0.005 χ^2/NDF: 11097399.4/88

\- sign 48.263+/-0.007 χ^2/NDF: 6520852.9/45


asym_sam6_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
5
4
3
2
1
0
−1
−2
100
120
140
160
180
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: 17.8/22
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: 76.9/88
- sign -0.000+/-0.000 χ²/NDF: 39.7/45



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: 3779343.4/22

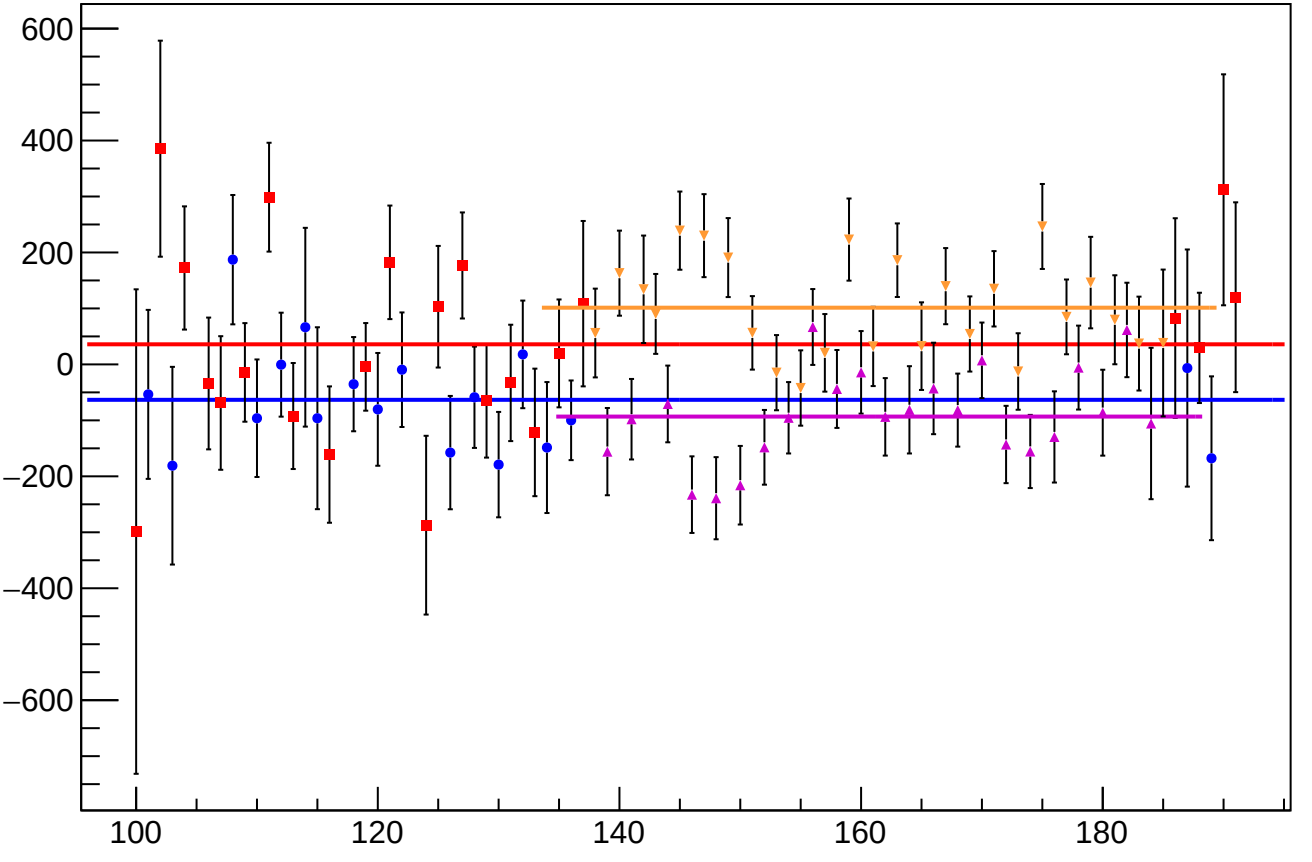
Left In: 0.000+/-0.000 χ^2/NDF:1427121.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 5220212.9/42

All: 0.000+/-0.000 χ^2/NDF: 11031423.8/88

- sign 0.000+/-0.000 χ^2/NDF: 5692009.5/45

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: 35.897+/-23.707 χ^2/NDF: 33.4/22

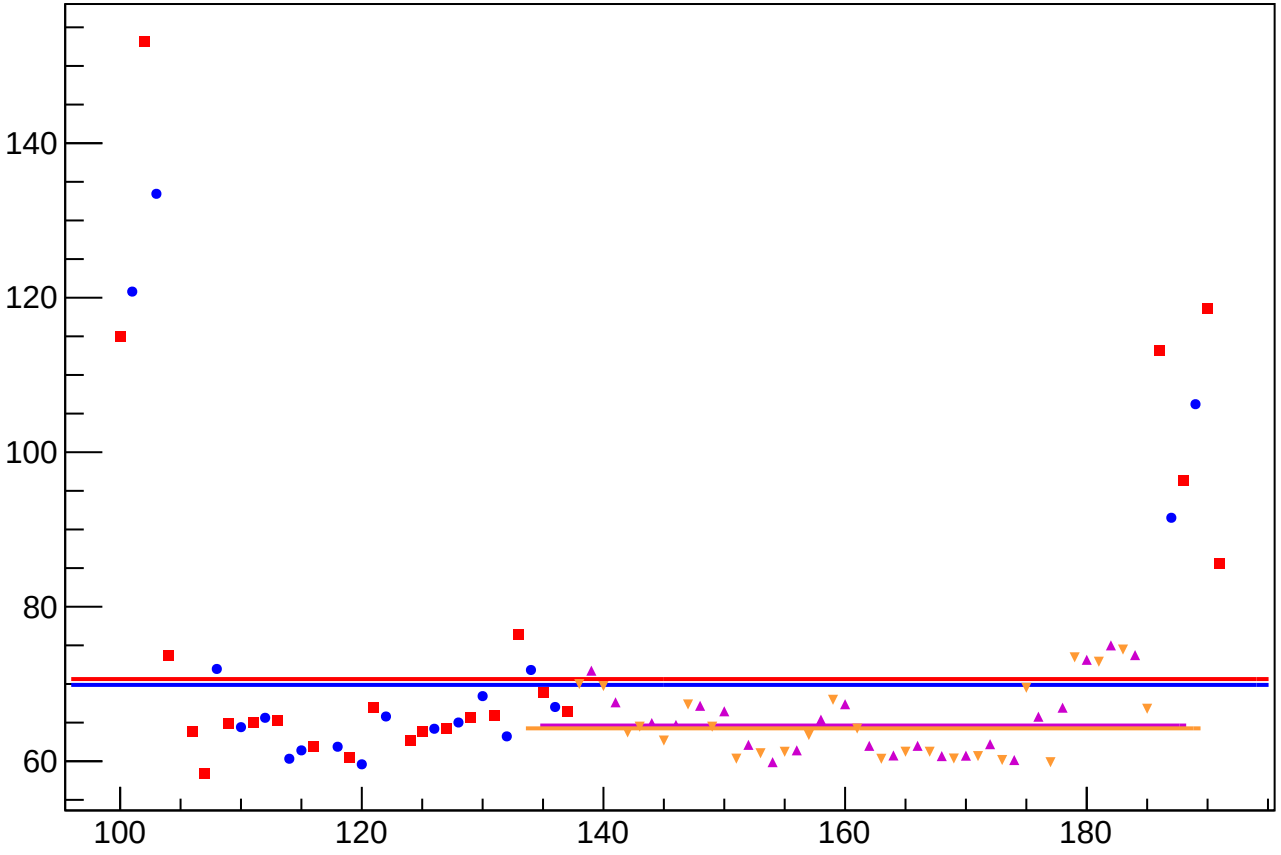
Left In: -93.236+/-15.137 χ^2/NDF:28.8/22

+ sign 60.422+/-12.693 χ^2/NDF: 76.4/42

All: 2.588+/-8.998 χ^2/NDF: 201.5/88

- sign -55.838+/-12.758 χ^2/NDF: 83.3/45

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: 70.637+/-0.017 χ^2/NDF: 895551.6/22

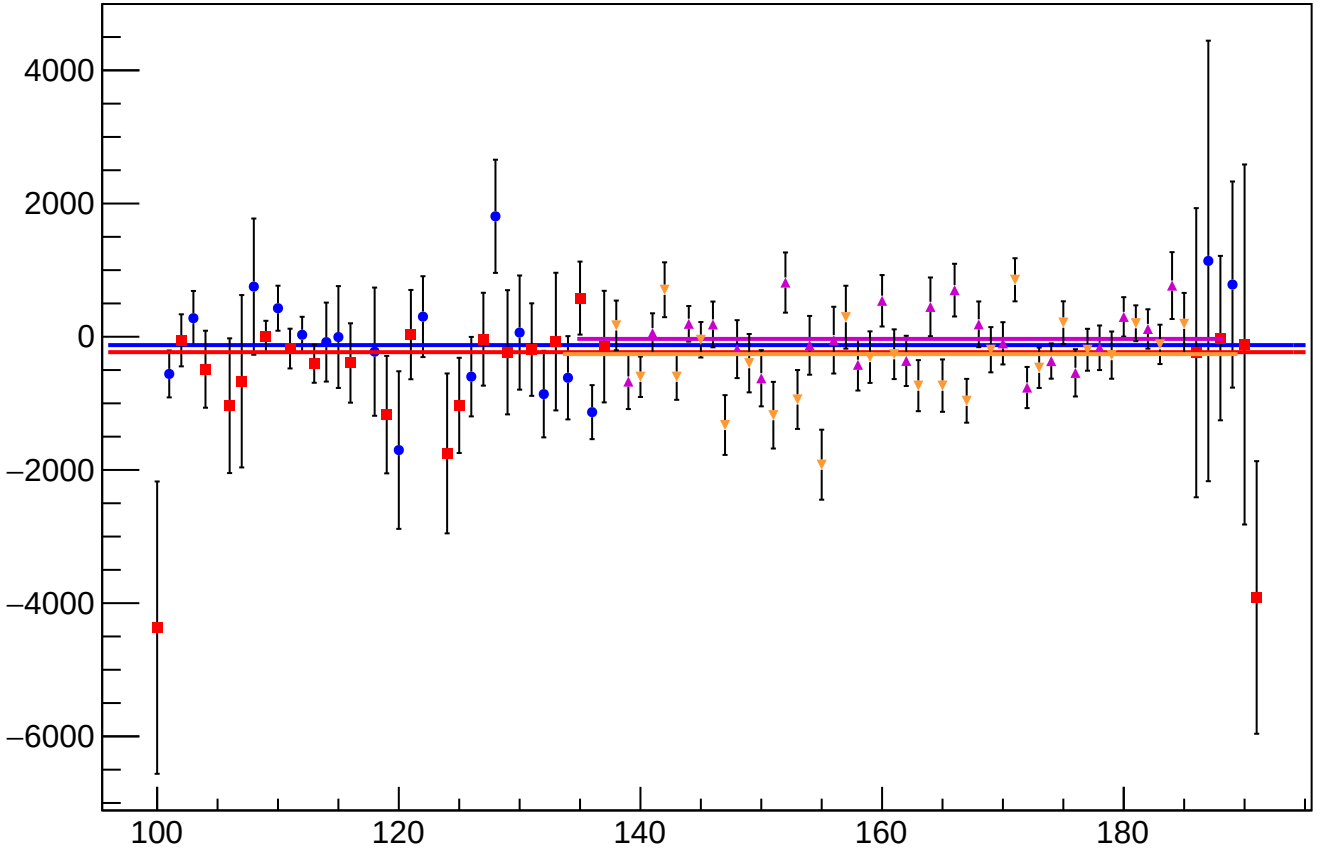
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 65.654+/-0.009 χ^2/NDF: 971190.6/42

All: 66.007+/-0.006 χ^2/NDF: 2108531.2/88

- sign 66.363+/-0.009 χ^2/NDF: 1134229.8/45

asym_sam7_reg_correction_mean vs Slug



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: -231.406+/-116.779 χ^2/NDF: 15.8/22

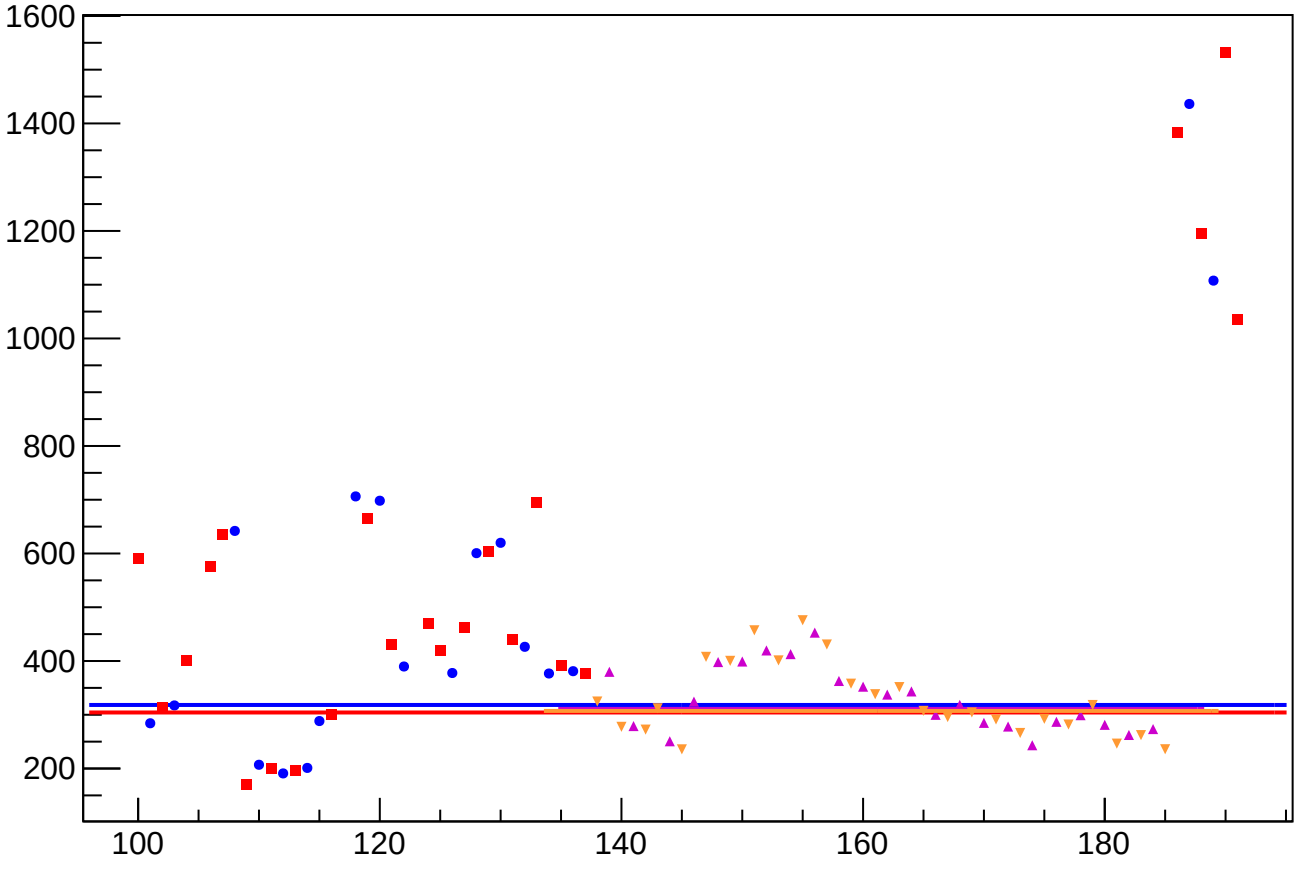
Left In: -32.423+/-73.837 χ^2/NDF:31.7/22

+ sign -228.070+/-61.961 χ^2/NDF: 82.7/42

All: -159.162+/-43.970 χ^2/NDF: 134.8/88

- sign -89.253+/-62.409 χ^2/NDF: 49.6/45

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: 304.237+/-0.083 χ^2/NDF: 4954140.4/22

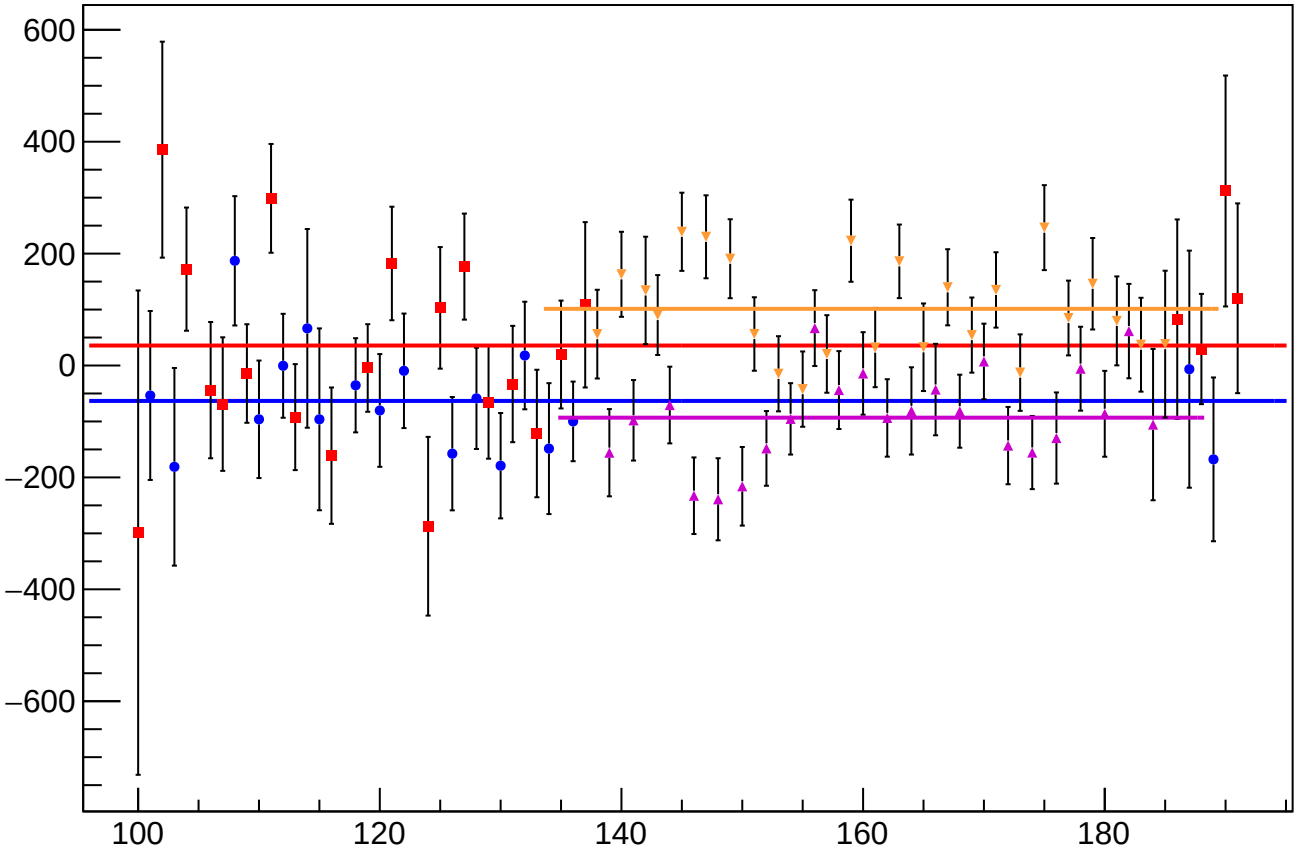
Left In: 310.697+/-0.052 χ^2/NDF:1079476.2/22

+ sign 309.850+/-0.044 χ^2/NDF: 4210606.1/42

All: 309.355+/-0.031 χ^2/NDF: 10248852.8/88

- sign 308.852+/-0.044 χ^2/NDF: 6037989.2/45

cor_asym_sam7_mean vs Slug



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: 35.708+/-23.739 χ^2/NDF: 33.5/22

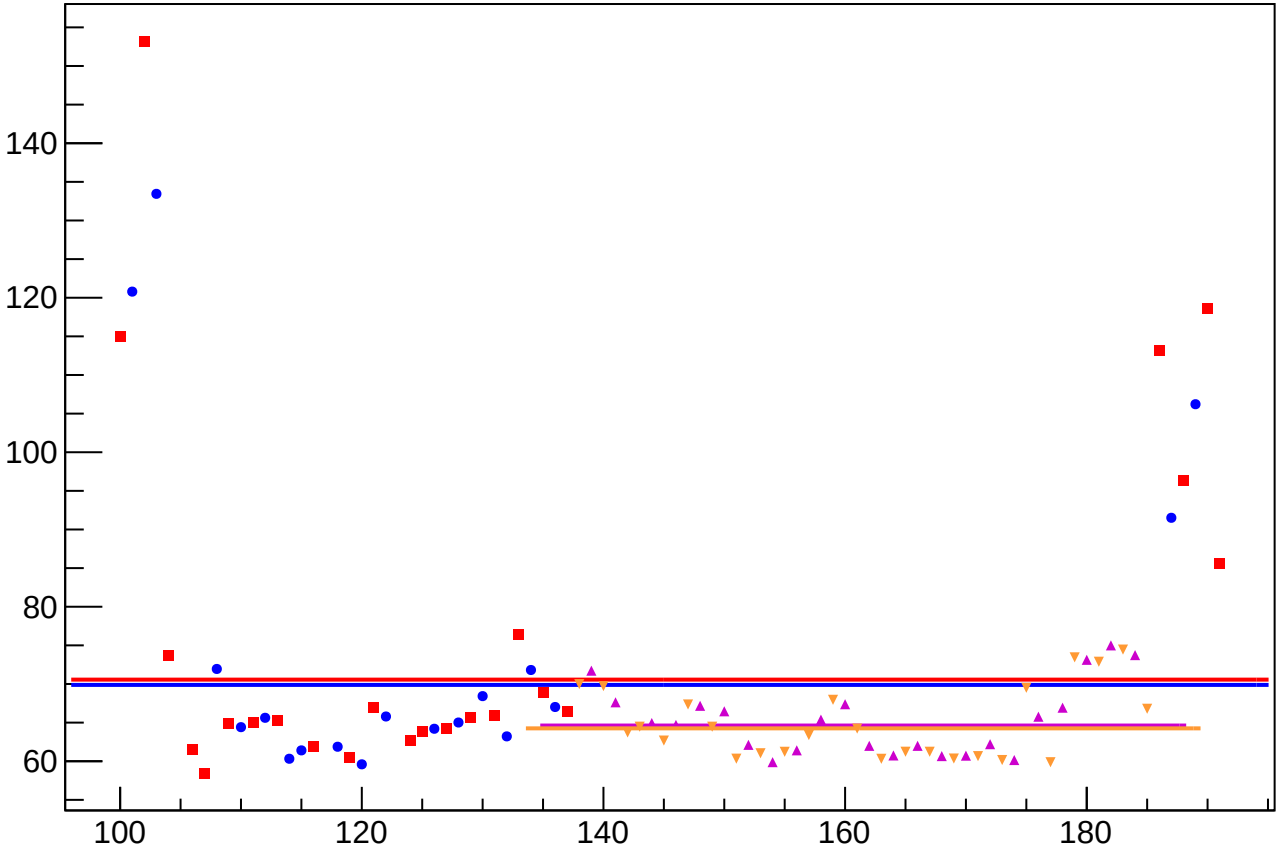
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

+ sign 60.421+/-12.693 χ^2/NDF: 76.5/42

All: 2.548+/-9.000 χ^2/NDF: 201.5/88

- sign -55.963+/-12.763 χ^2/NDF: 83.3/45

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: 70.565+/-0.017 χ^2/NDF: 900159.7/22

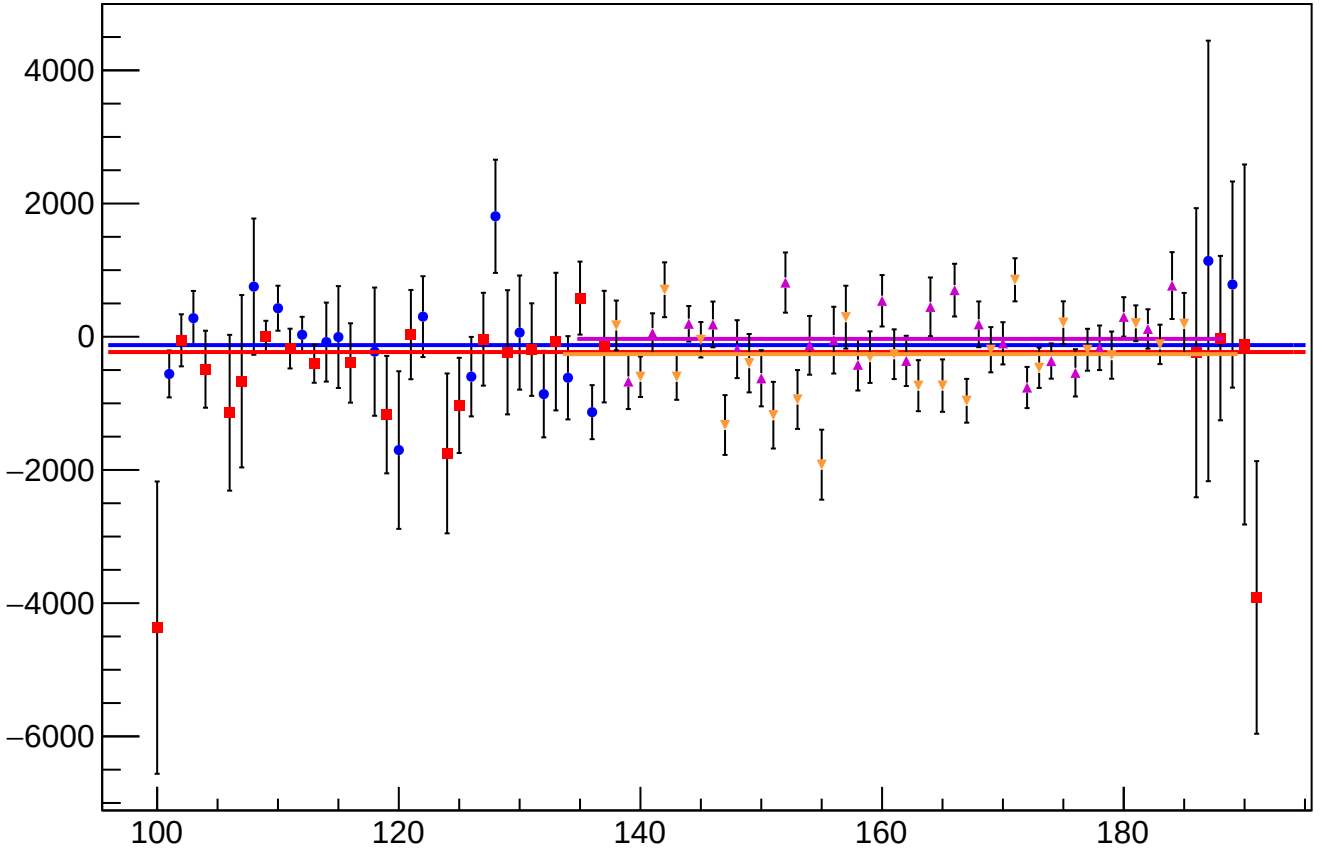
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 65.654+/-0.009 χ^2/NDF: 971191.0/42

All: 65.995+/-0.006 χ^2/NDF: 2110593.7/88

- sign 66.339+/-0.009 χ^2/NDF: 1136500.1/45

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: -229.761+/-116.981 χ^2/NDF: 15.8/22

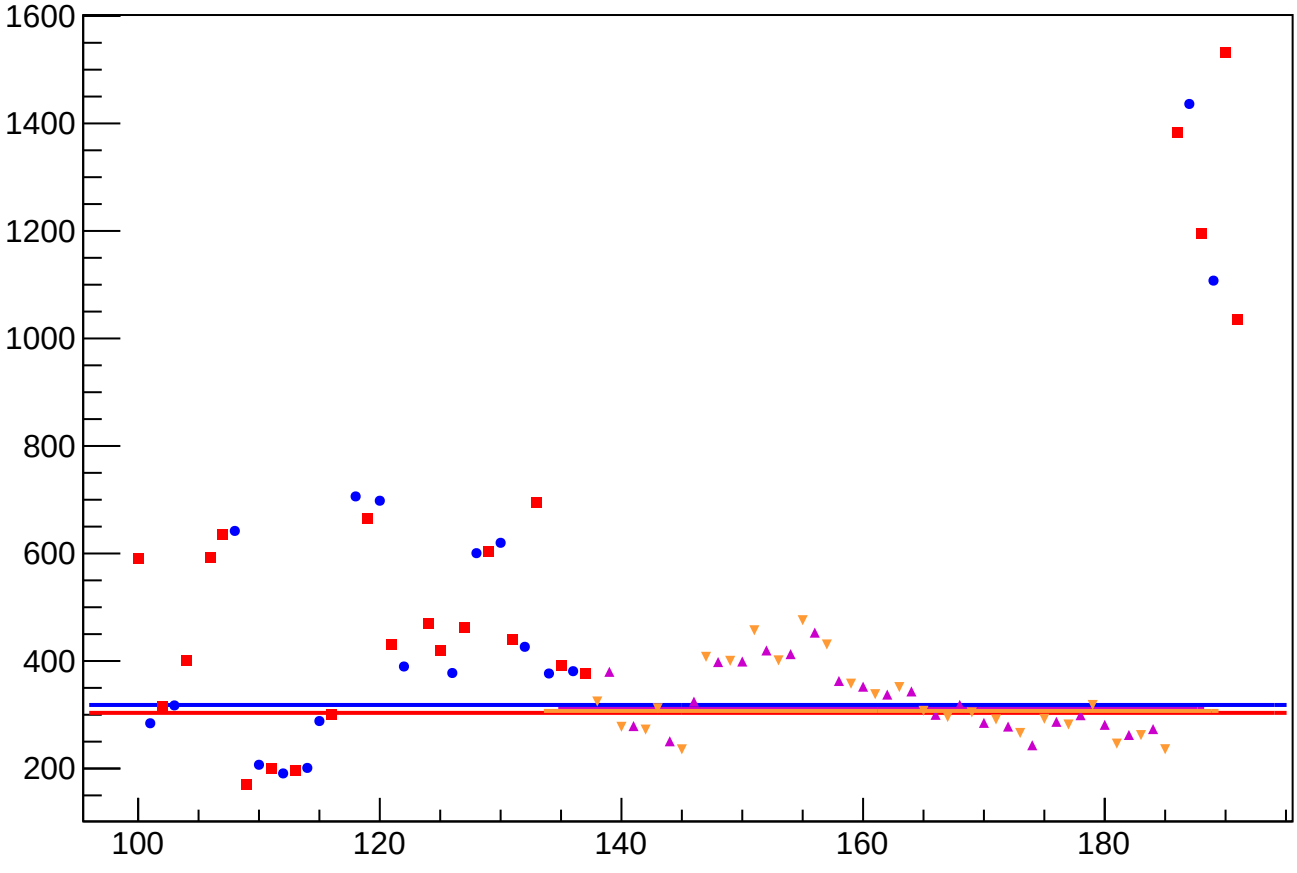
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

+ sign -228.070+/-61.961 χ^2/NDF: 82.7/42

All: -158.893+/-43.981 χ^2/NDF: 134.7/88

- sign -88.642+/-62.439 χ^2/NDF: 49.6/45

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: 303.514+/-0.083 χ^2/NDF: 4932547.4/22

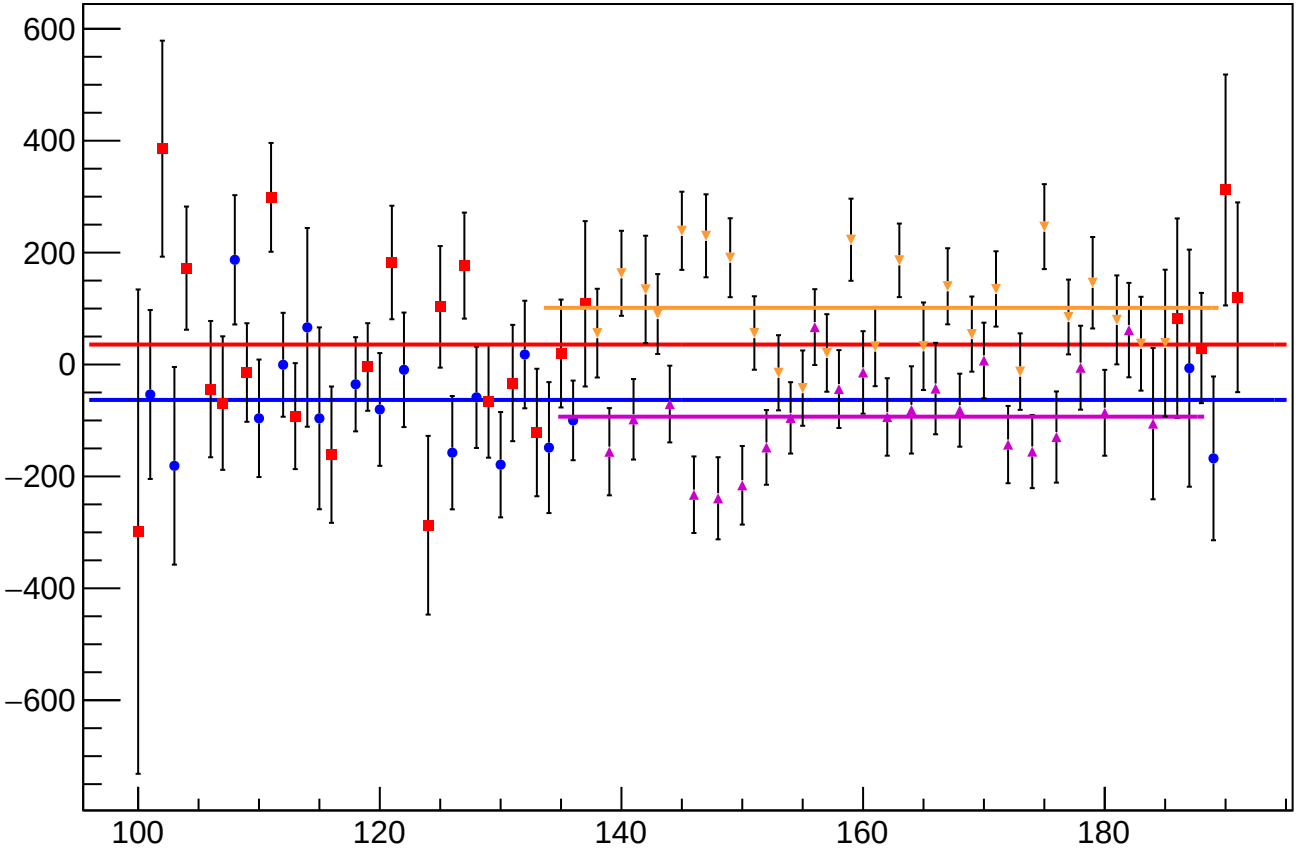
Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

+ sign 309.851+/-0.044 χ^2/NDF: 4210604.7/42

All: 309.256+/-0.031 χ^2/NDF: 10228396.4/88

- sign 308.651+/-0.044 χ^2/NDF: 6017419.8/45

eigen_cor_asym_sam7_mean vs Slug



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: 35.708+/-23.739 χ^2/NDF: 33.5/22

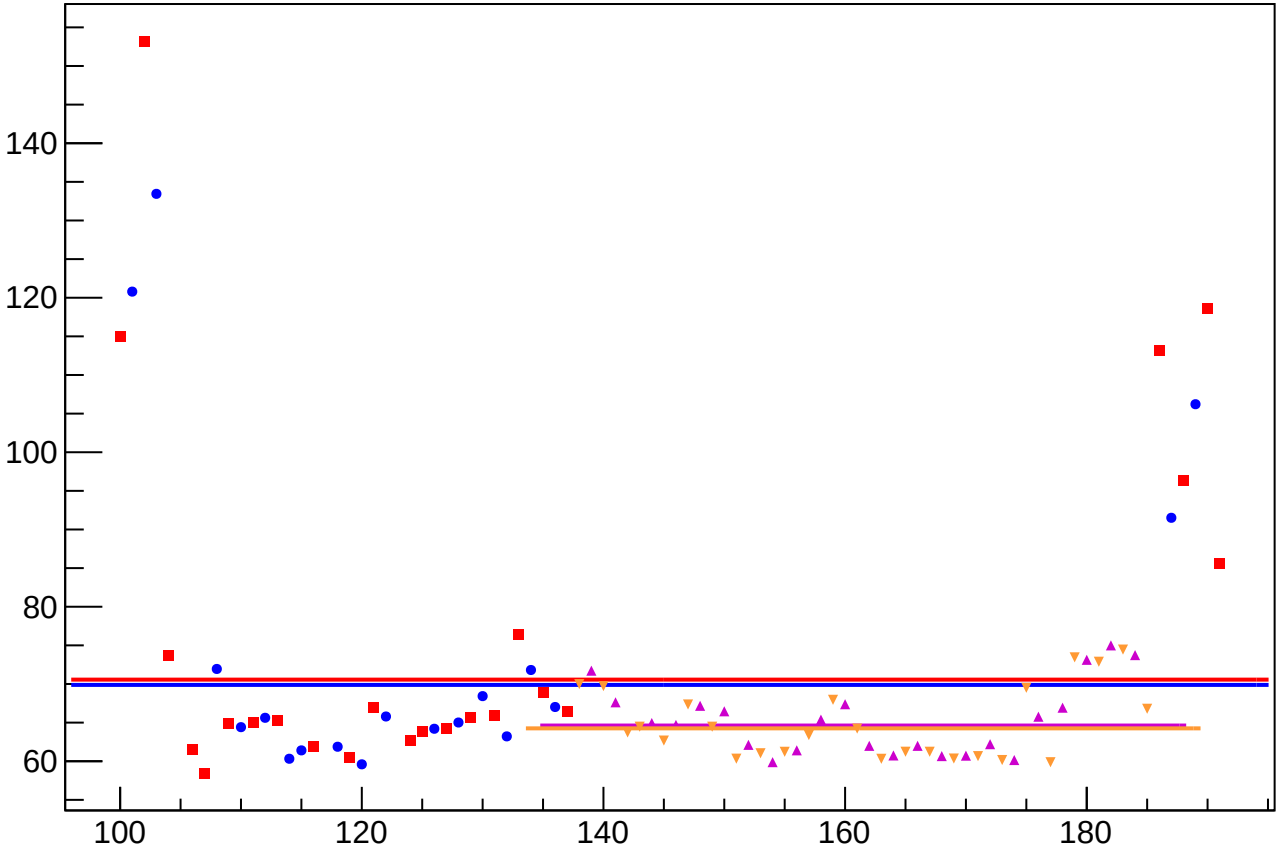
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

+ sign 60.421+/-12.693 χ^2/NDF: 76.5/42

All: 2.548+/-9.000 χ^2/NDF: 201.5/88

- sign -55.963+/-12.763 χ^2/NDF: 83.3/45

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

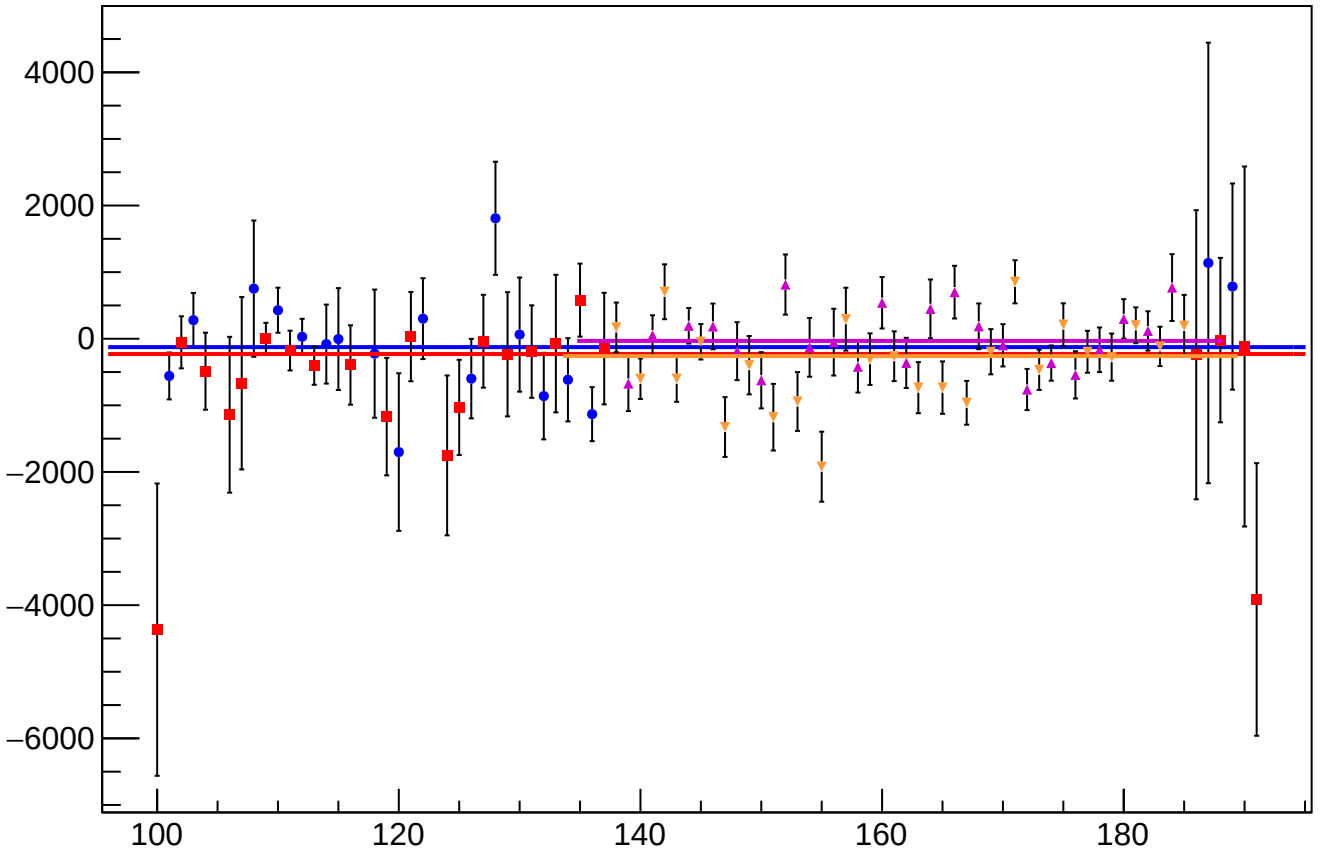
Right Out: 70.565+/-0.017 χ^2/NDF: 900159.7/22

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 65.654+/-0.009 χ^2/NDF: 971191.0/42

All: 65.995+/-0.006 χ^2/NDF: 2110593.7/88

- sign 66.339+/-0.009 χ^2/NDF: 1136500.1/45



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: -229.761+/-116.981 χ^2/NDF: 15.8/22

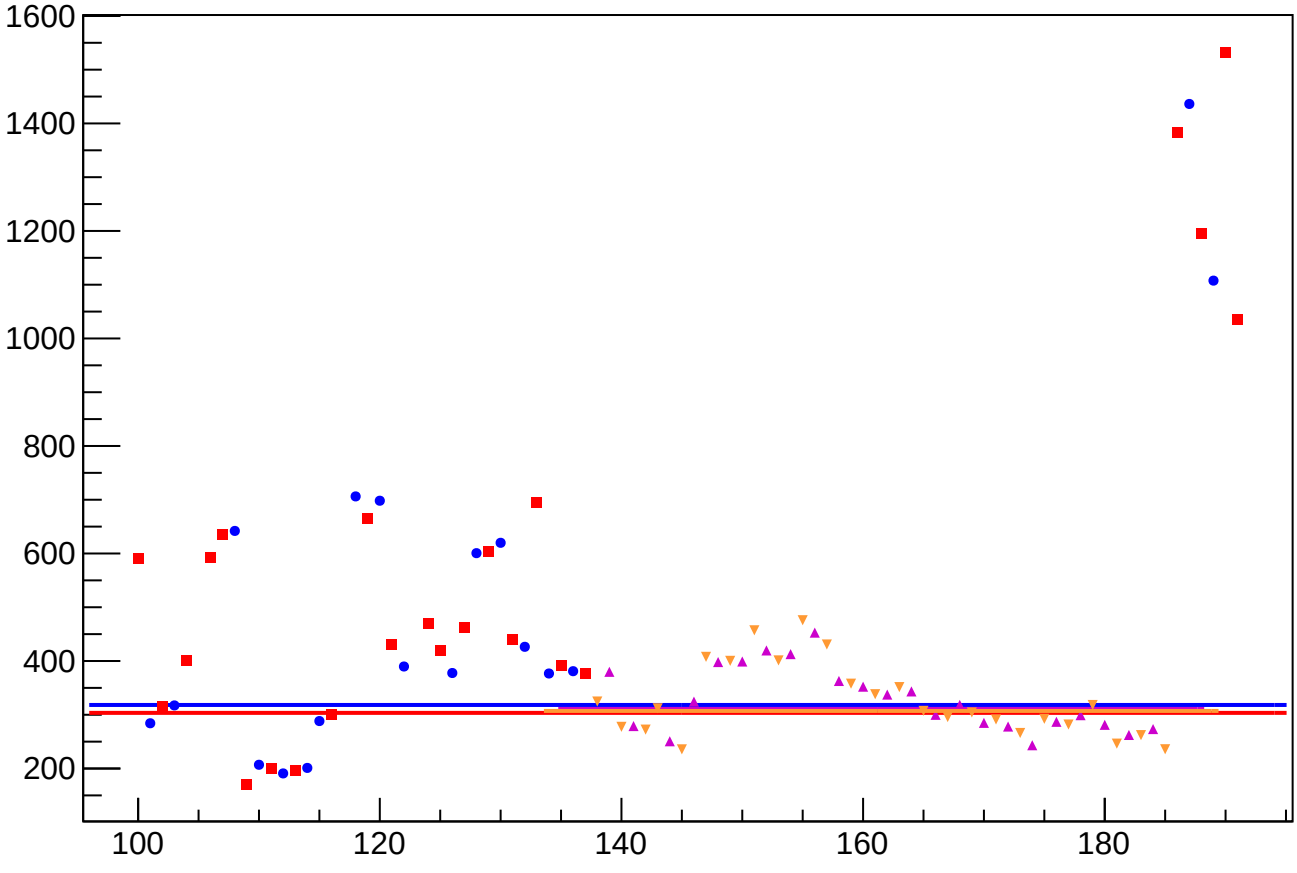
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

+ sign -228.070+/-61.961 χ^2/NDF: 82.7/42

All: -158.893+/-43.981 χ^2/NDF: 134.7/88

- sign -88.642+/-62.439 χ^2/NDF: 49.6/45

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: 303.514+/-0.083 χ^2/NDF: 4932547.4/22

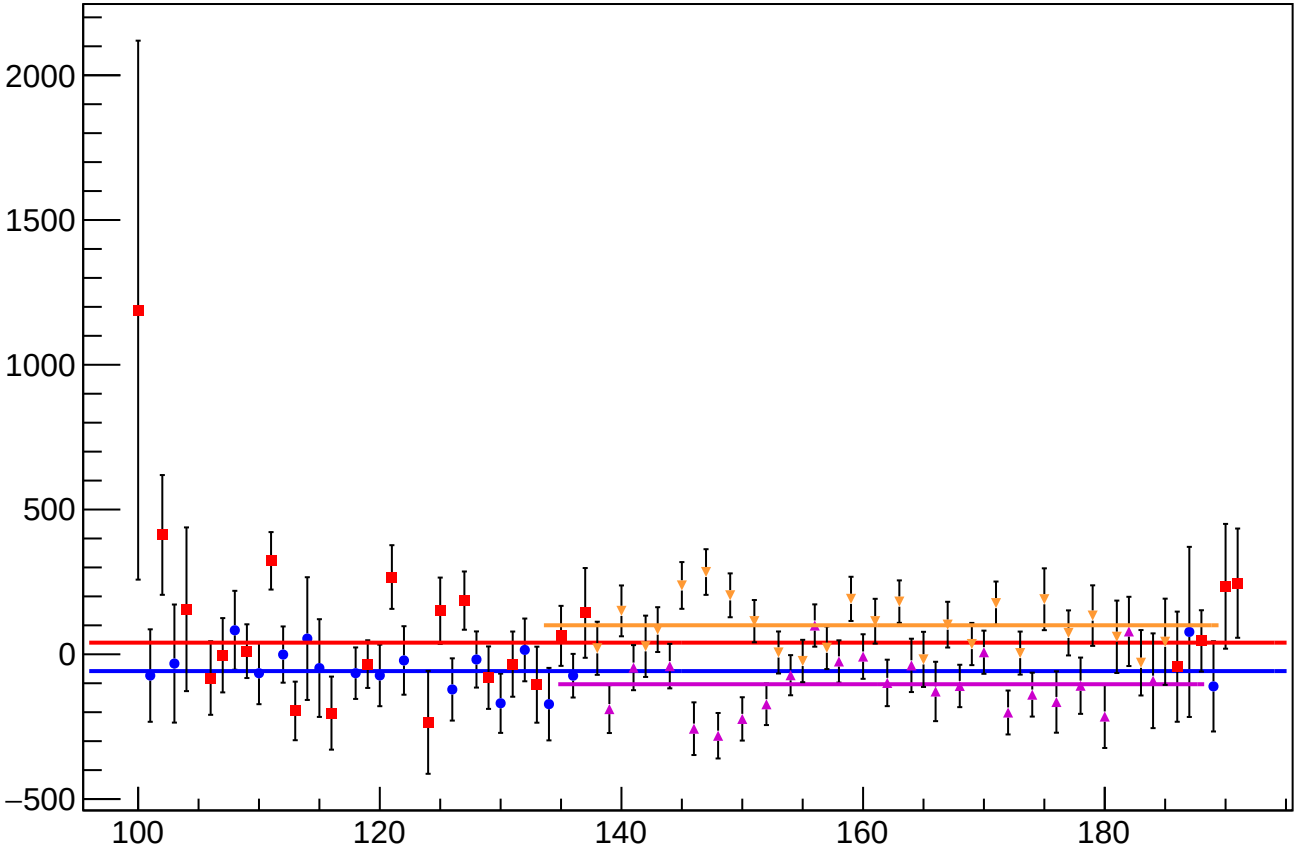
Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

+ sign 309.851+/-0.044 χ^2/NDF: 4210604.7/42

All: 309.256+/-0.031 χ^2/NDF: 10228396.4/88

- sign 308.651+/-0.044 χ^2/NDF: 6017419.8/45

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: 40.197+/-25.832 χ^2/NDF: 39.4/22

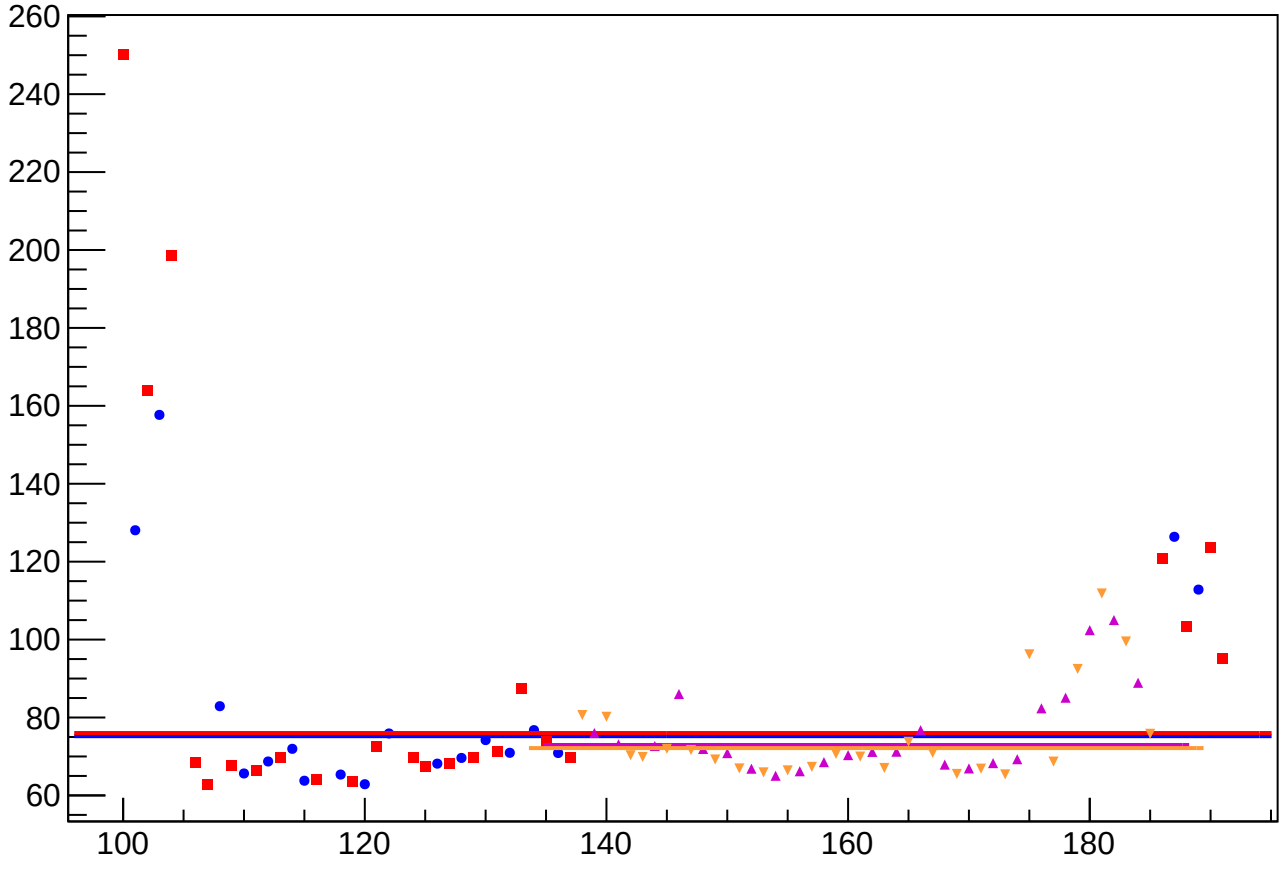
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 57.954+/-14.230 χ^2/NDF: 57.1/42

All: -0.051+/-10.105 χ^2/NDF: 184.1/88

- sign -59.051+/-14.351 χ^2/NDF: 93.5/45

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: 76.017+/-0.018 χ^2/NDF: 1363919.6/22

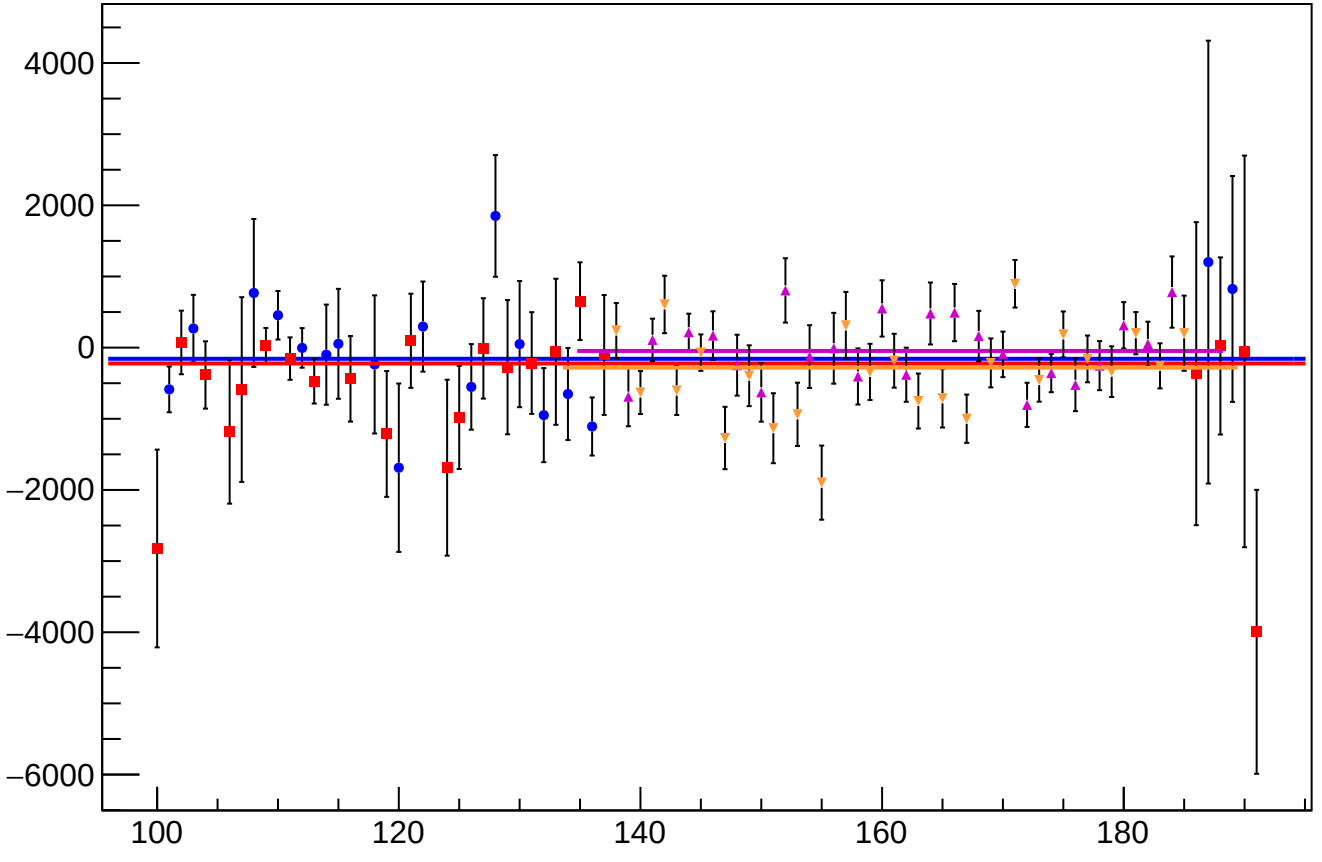
Left In: 72.948+/-0.012 χ^2/NDF:509028.0/22

+ sign 72.968+/-0.010 χ^2/NDF: 1501467.8/42

All: 73.428+/-0.007 χ^2/NDF: 3398141.1/88

- sign 73.895+/-0.010 χ^2/NDF: 1892459.9/45

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: -222.852+/-119.054 χ^2/NDF: 17.2/22

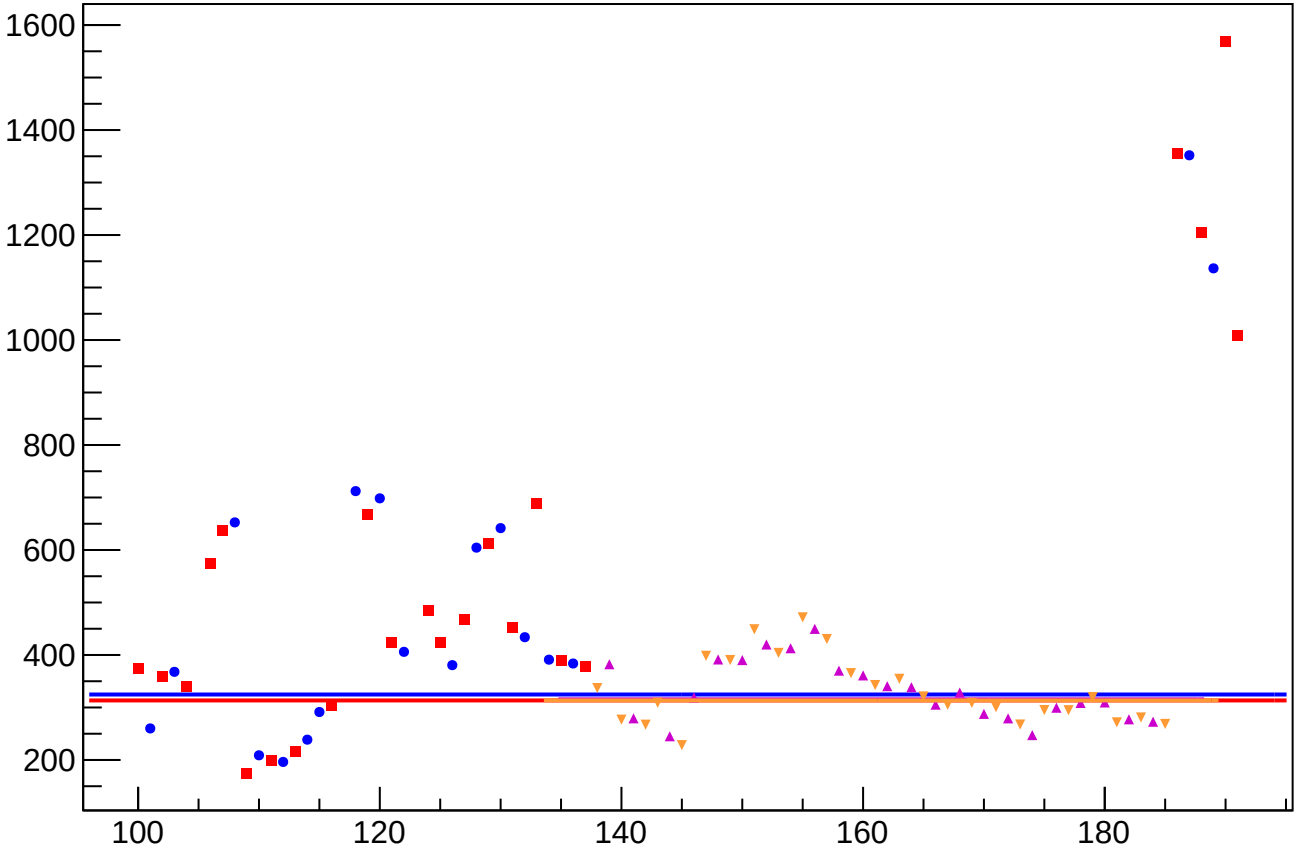
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -250.923+/-63.098 χ^2/NDF: 80.7/42

All: -174.102+/-44.722 χ^2/NDF: 133.3/88

- sign -96.554+/-63.395 χ^2/NDF: 49.6/45

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: 313.421+/-0.084 χ^2/NDF: 4743568.8/22

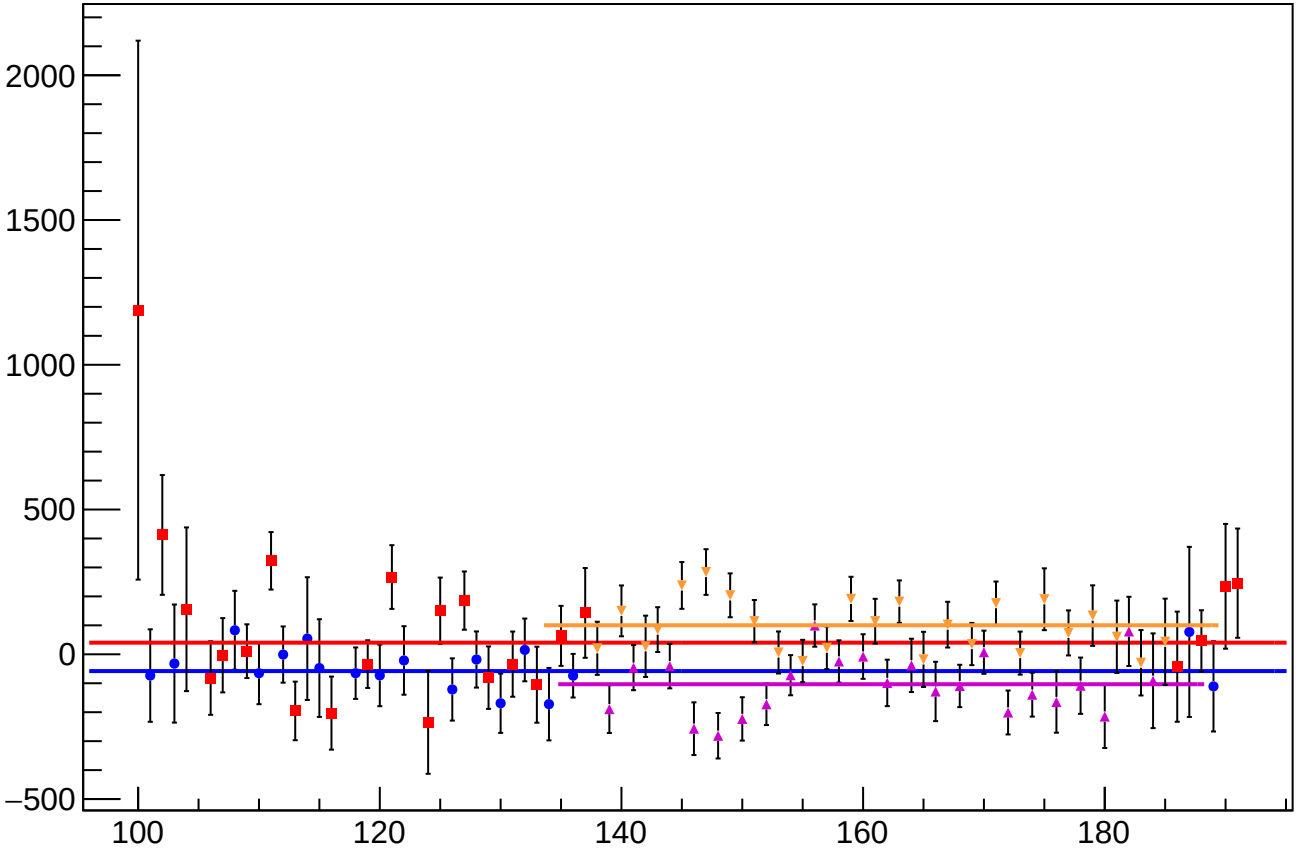
Left In: 315.455+/-0.053 χ^2/NDF:1008523.1/22

+ sign 316.232+/-0.045 χ^2/NDF: 4070346.4/42

All: 315.559+/-0.032 χ^2/NDF: 9823314.5/88

- sign 314.879+/-0.045 χ^2/NDF: 5752510.0/45

eigen_dit_asym_sam7_mean vs Slug



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: 40.198+/-25.832 χ^2/NDF: 39.4/22

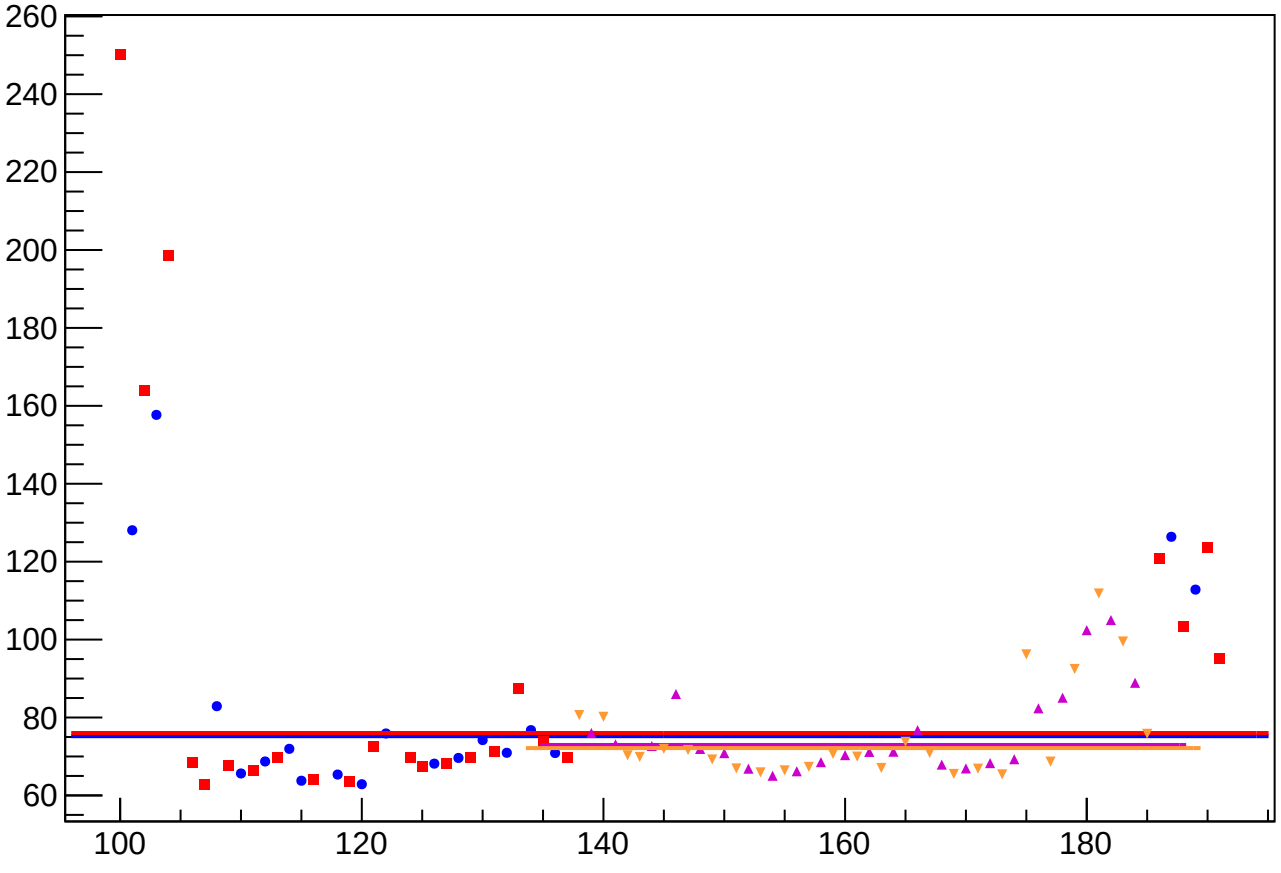
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 57.954+/-14.230 χ^2/NDF: 57.1/42

All: -0.051+/-10.105 χ^2/NDF: 184.1/88

- sign -59.050+/-14.351 χ^2/NDF: 93.5/45

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

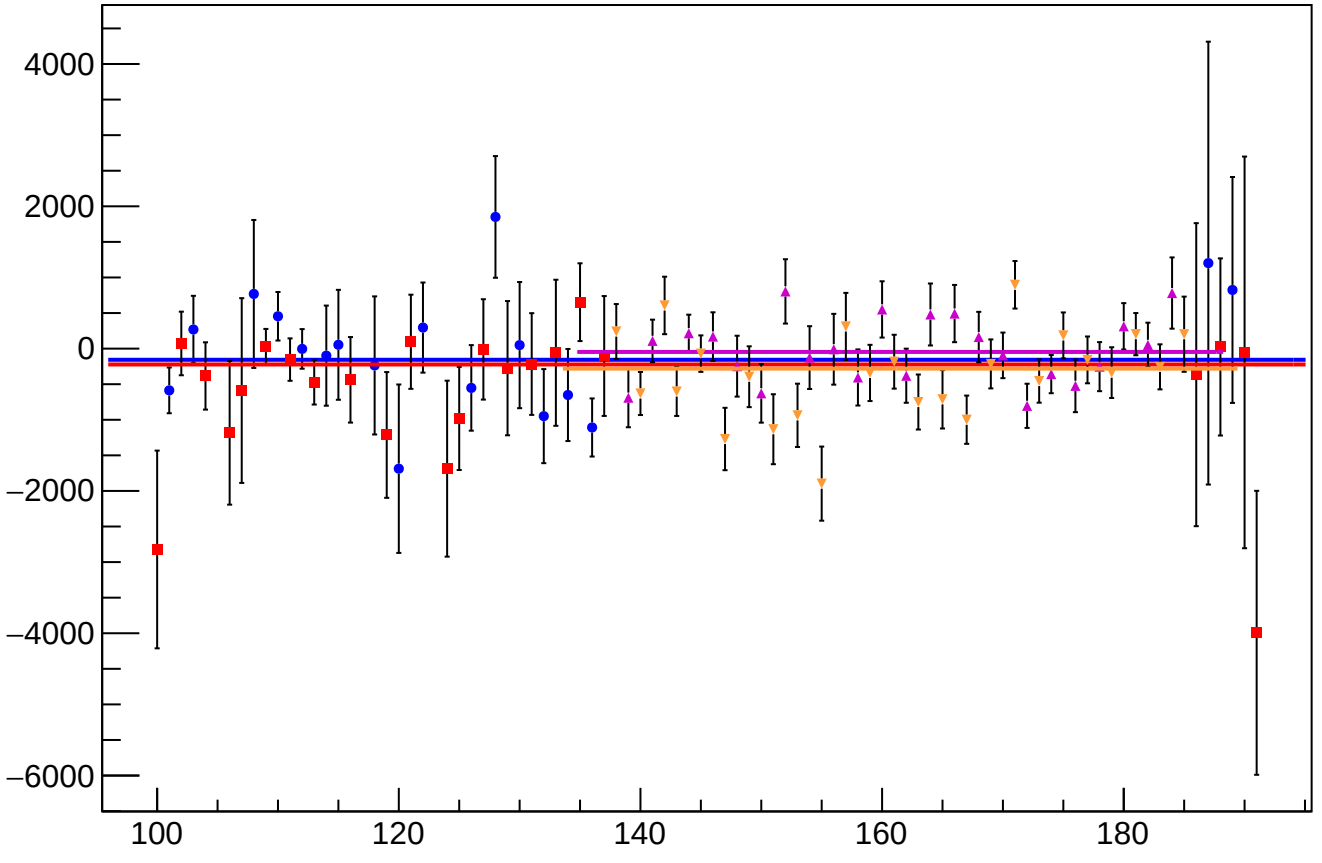
Right Out: 76.017+/-0.018 χ^2/NDF: 1363917.6/22

Left In: 72.948+/-0.012 χ^2/NDF:509028.7/22

+ sign 72.968+/-0.010 χ^2/NDF: 1501468.1/42

All: 73.428+/-0.007 χ^2/NDF: 3398138.4/88

- sign 73.895+/-0.010 χ^2/NDF: 1892456.8/45



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: -222.851+/-119.053 χ^2/NDF: 17.2/22

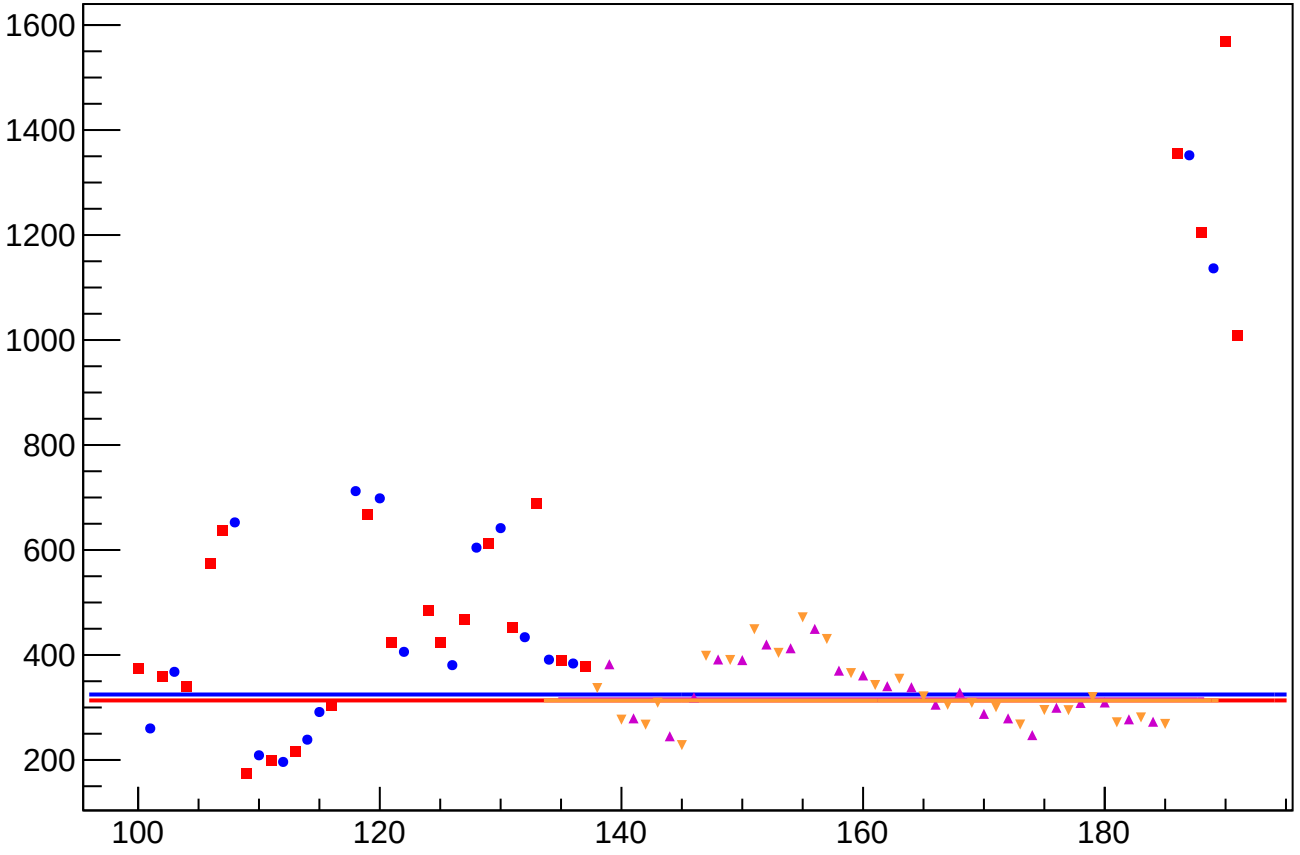
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -250.922+/-63.098 χ^2/NDF: 80.7/42

All: -174.101+/-44.722 χ^2/NDF: 133.3/88

- sign -96.554+/-63.395 χ^2/NDF: 49.6/45

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: 313.420+/-0.084 χ^2/NDF: 4743586.8/22

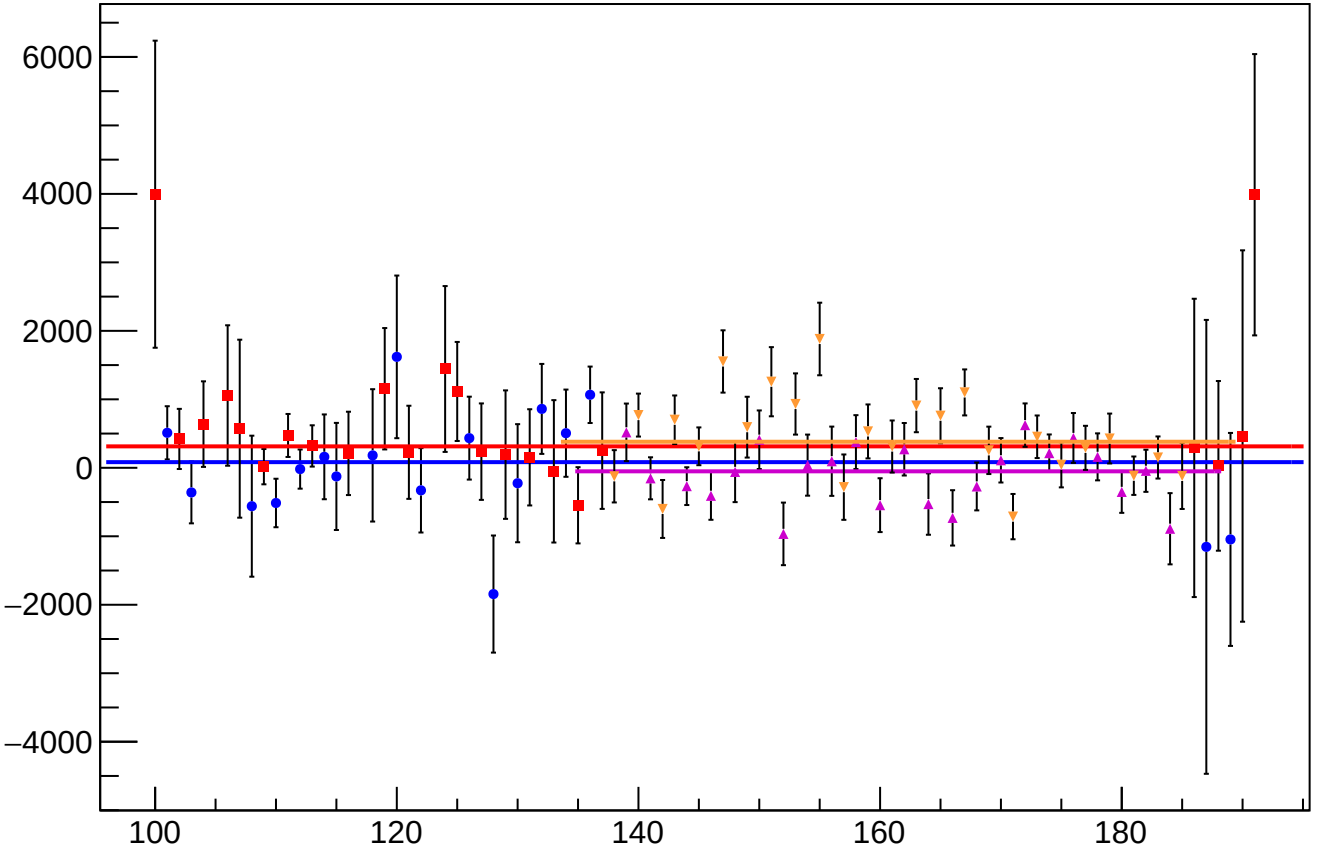
Left In: 315.456+/-0.053 χ^2/NDF:1008521.8/22

+ sign 316.232+/-0.045 χ^2/NDF: 4070381.7/42

All: 315.558+/-0.032 χ^2/NDF: 9823367.3/88

- sign 314.878+/-0.045 χ^2/NDF: 5752527.6/45

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: 313.043+/-122.758 χ^2/NDF: 14.1/22

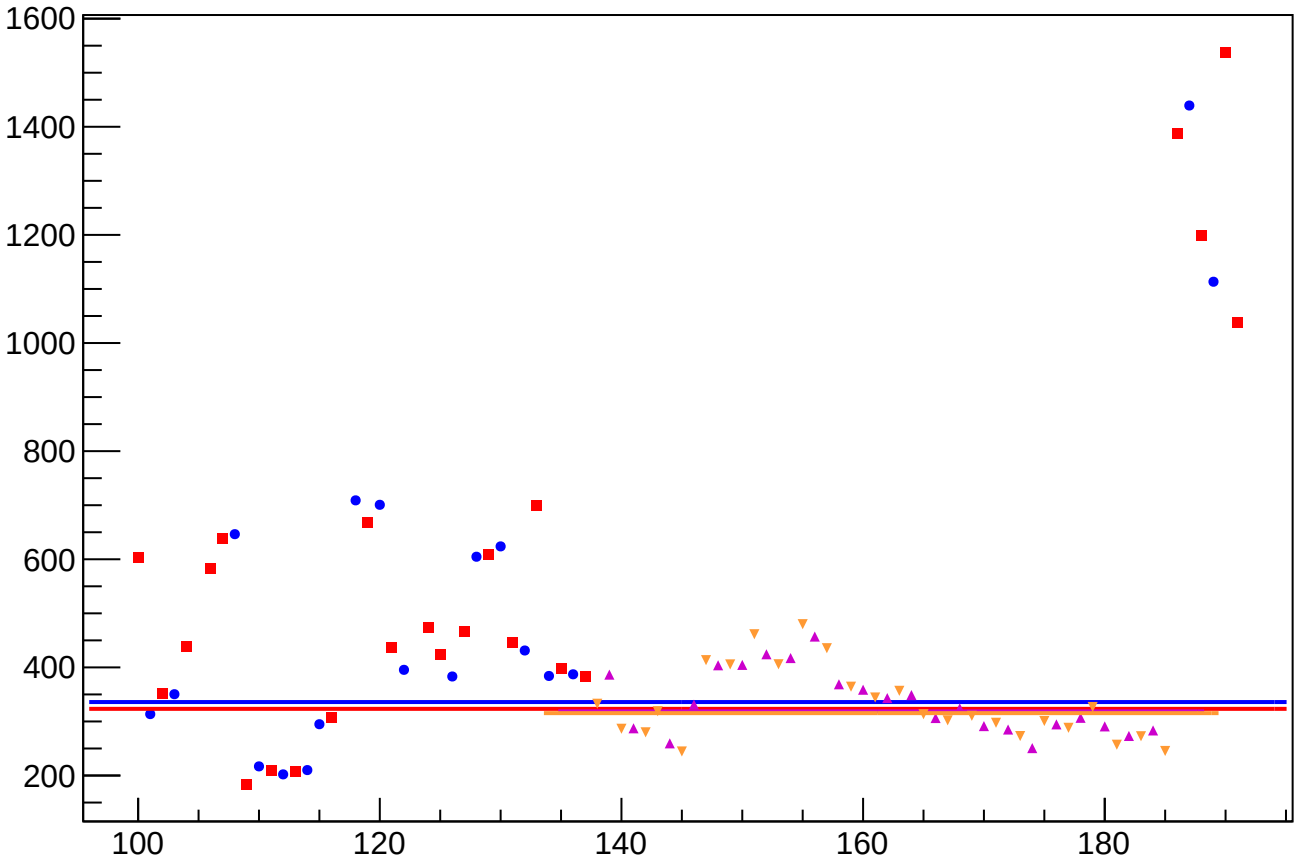
Left In: -51.474+/-75.629 χ^2/NDF:28.2/22

+ sign 310.241+/-63.846 χ^2/NDF: 80.9/42

All: 180.639+/-45.337 χ^2/NDF: 137.8/88

- sign 48.816+/-64.390 χ^2/NDF: 48.7/45

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

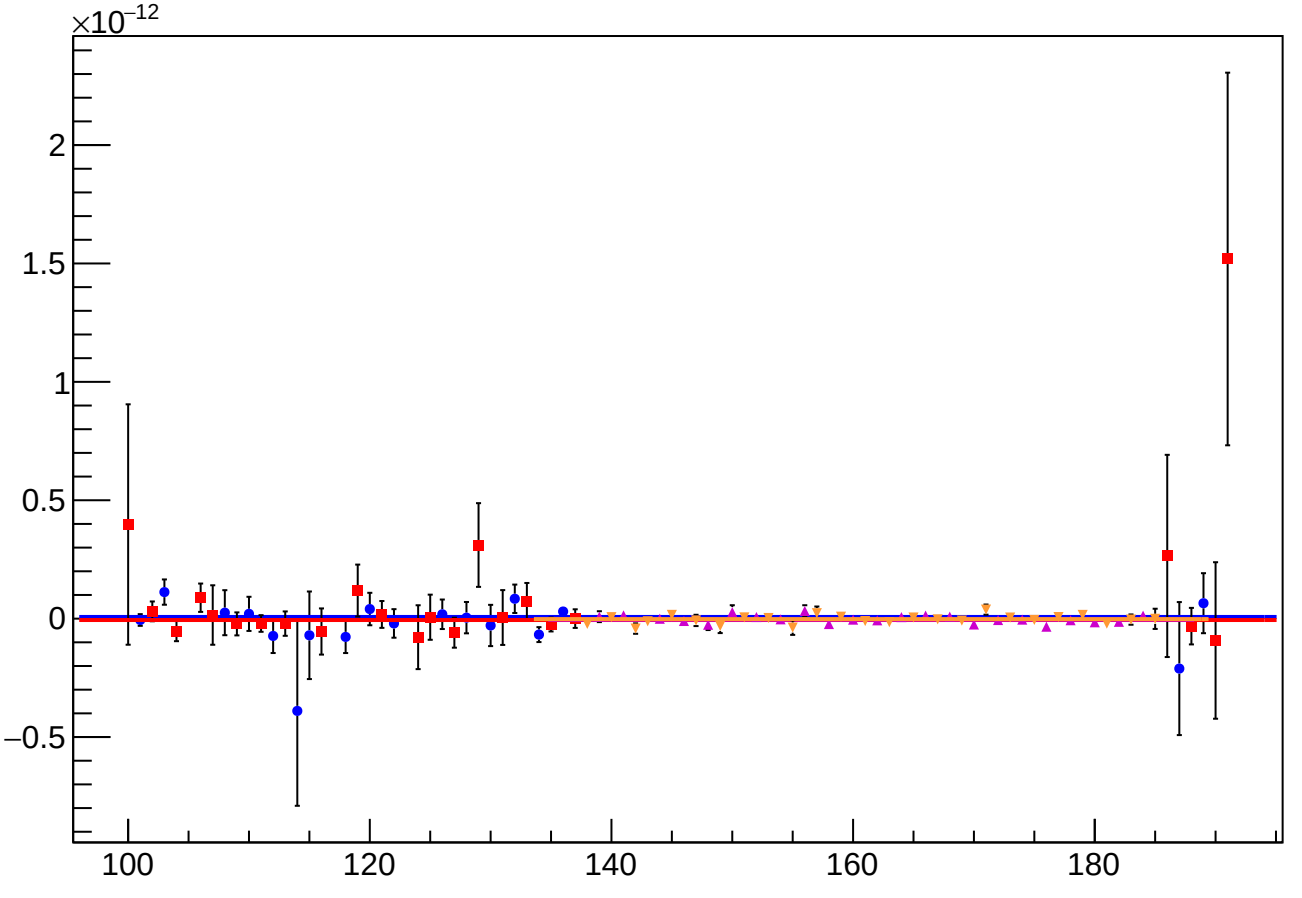
Right Out: 323.333+/-0.087 χ^2/NDF: 4687095.7/22

Left In: 318.688+/-0.053 χ^2/NDF:991604.7/22

+ sign 320.242+/-0.045 χ^2/NDF: 3933912.0/42

All: 320.105+/-0.032 χ^2/NDF: 9614706.1/88

- sign 319.966+/-0.046 χ^2/NDF: 5680775.6/45



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: 17.1/22

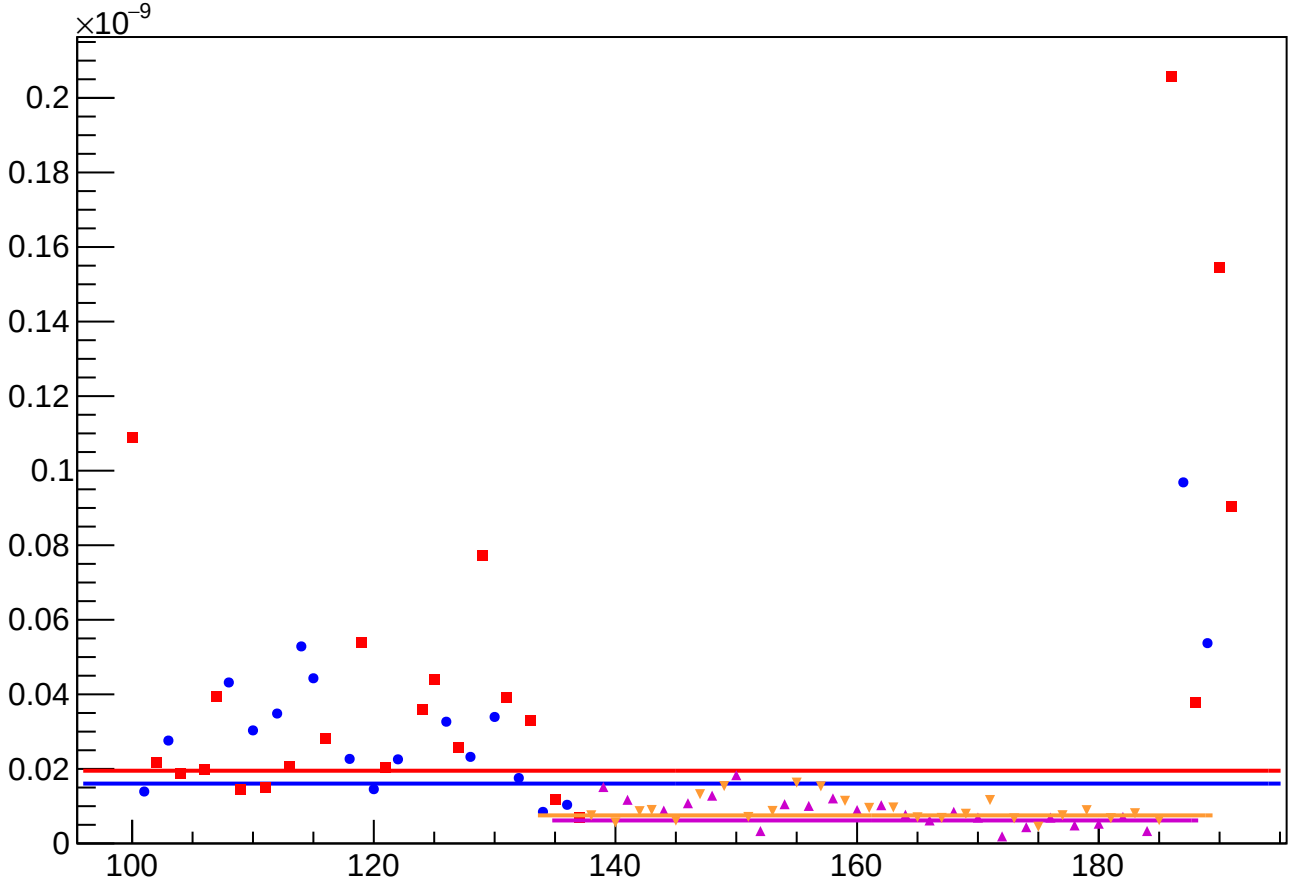
Left In: -0.000+/-0.000 χ^2/NDF:17.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 38.1/42

All: -0.000+/-0.000 χ^2/NDF: 73.6/88

- sign -0.000+/-0.000 χ^2/NDF: 34.8/45

asym_sam7_reg_vs_cor_diff_rms vs Slug



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: 2082634.3/22

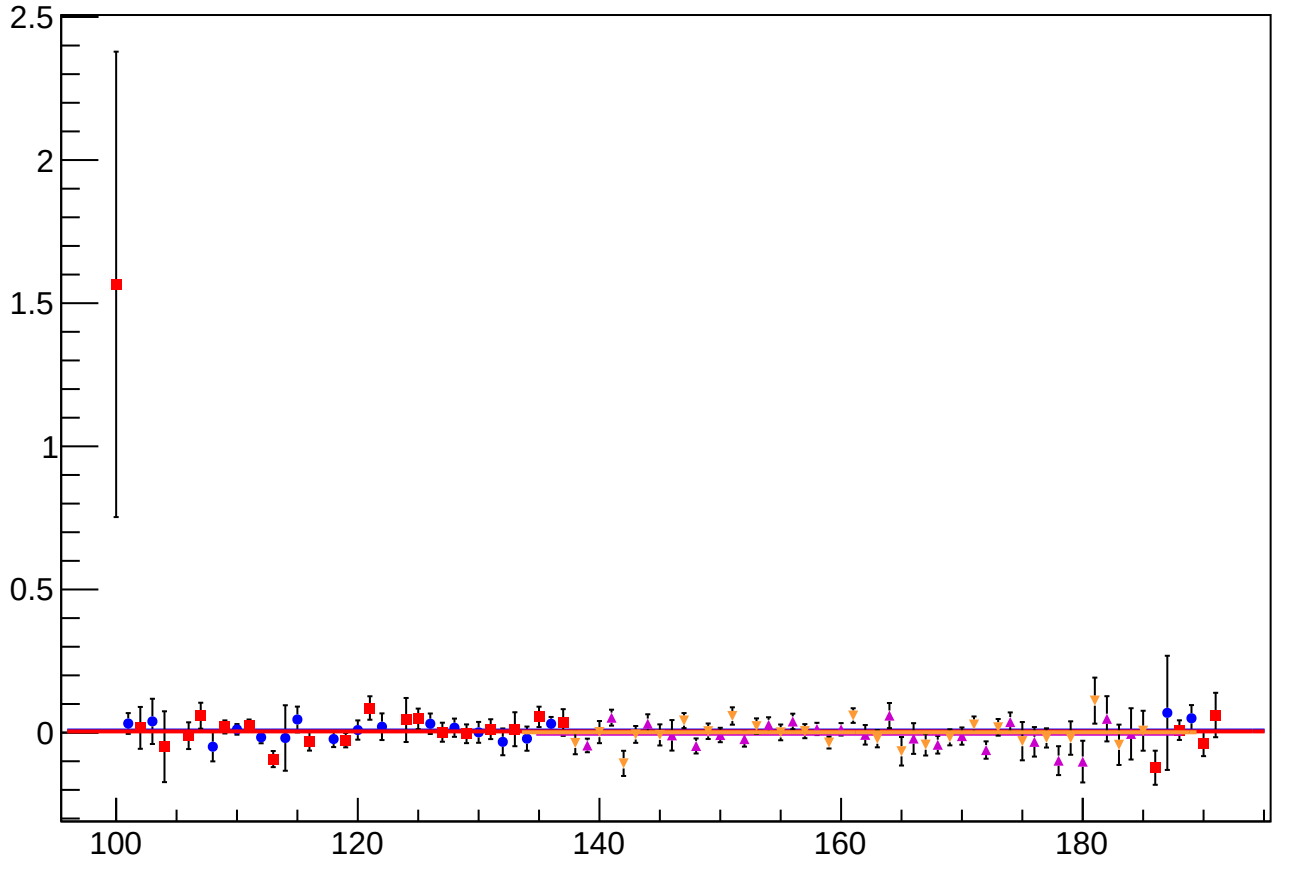
Left In: 0.000+/-0.000 χ^2/NDF:2784673.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 3842655.5/42

All: 0.000+/-0.000 χ^2/NDF: 11011094.8/88

- sign 0.000+/-0.000 χ^2/NDF: 6974130.5/45

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: 0.004+/-0.008 χ^2/NDF: 36.1/22

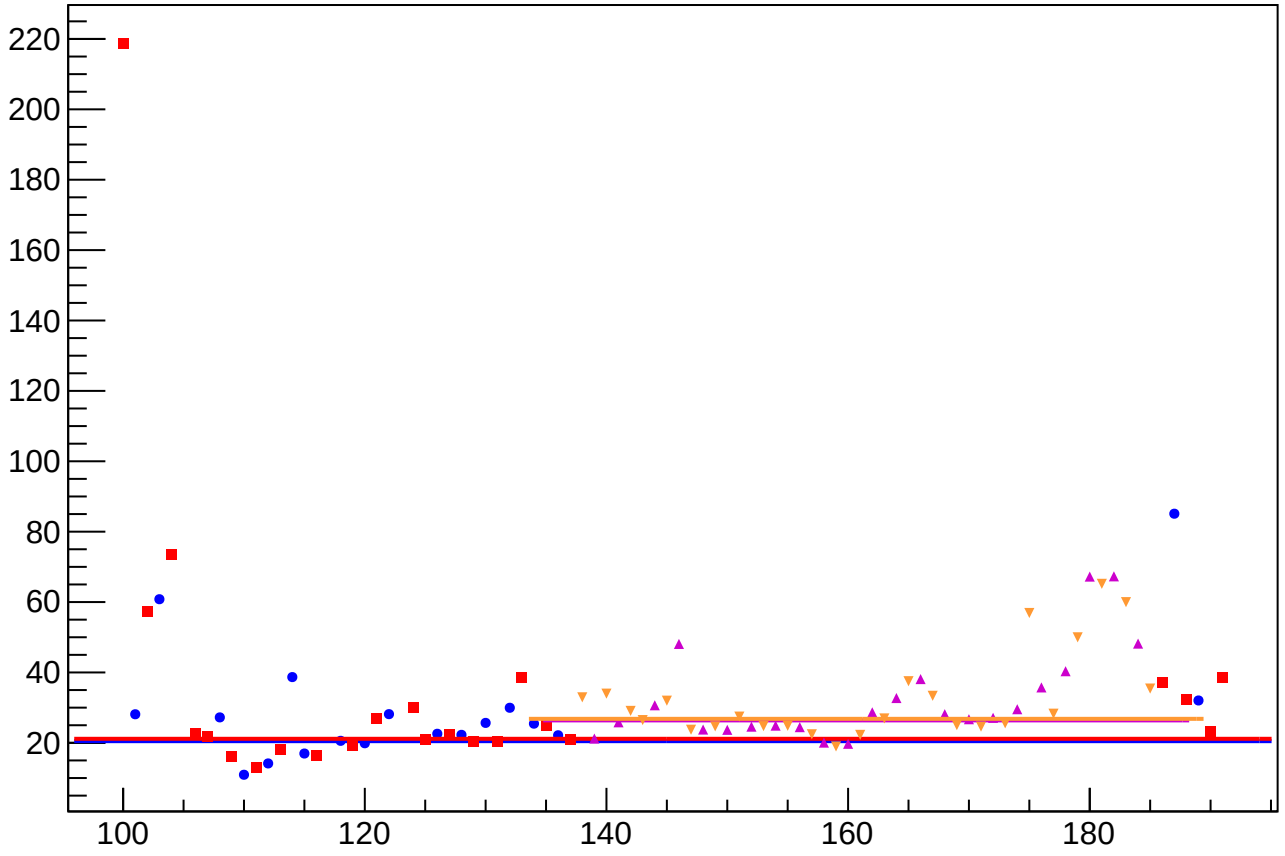
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.004+/-0.005 χ^2/NDF: 39.5/42

All: 0.002+/-0.004 χ^2/NDF: 107.7/88

- sign -0.000+/-0.005 χ^2/NDF: 67.9/45

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: 21.148+/-0.005 χ^2/NDF: 2222492.6/22

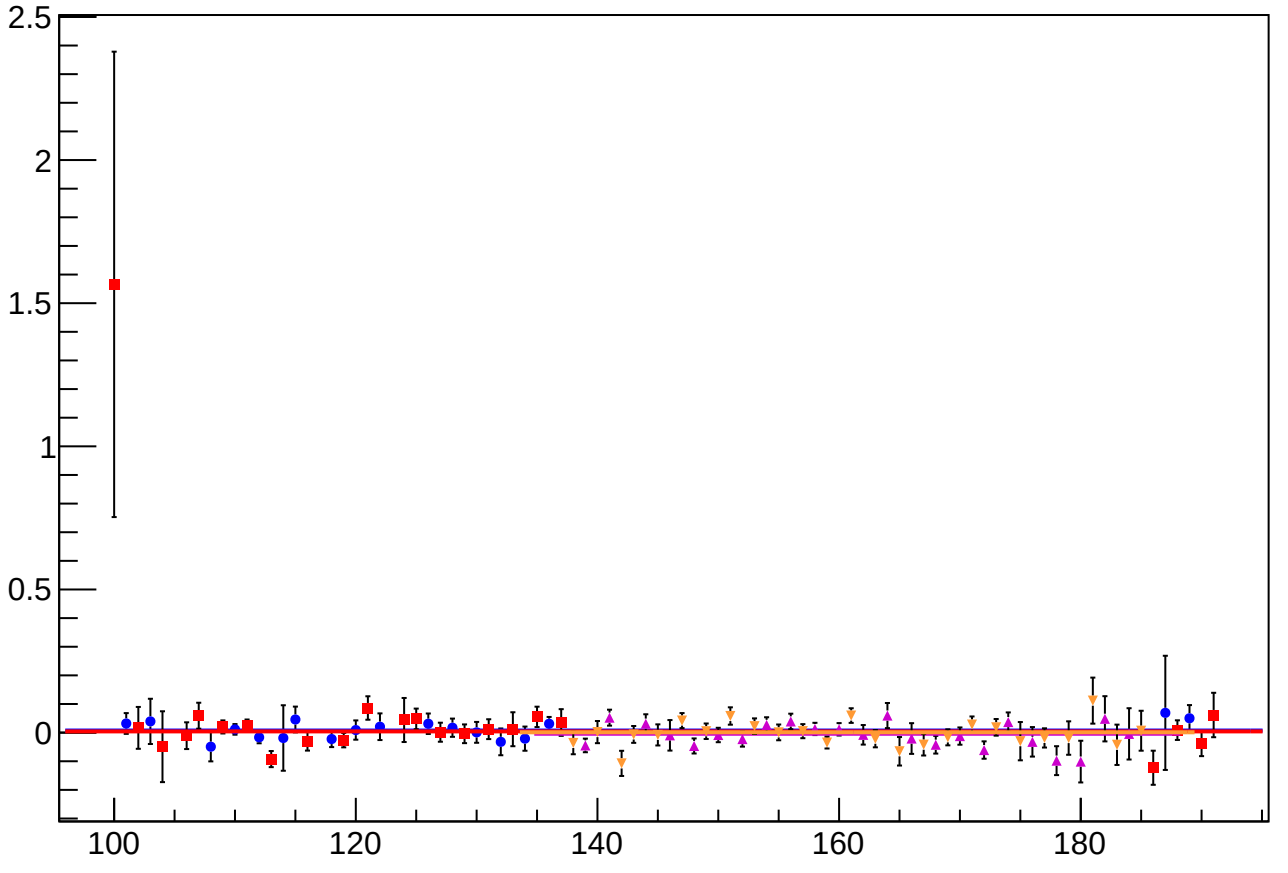
Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

+ sign 24.313+/-0.004 χ^2/NDF: 5209152.4/42

All: 24.227+/-0.003 χ^2/NDF: 10534693.9/88

- sign 24.143+/-0.004 χ^2/NDF: 5324404.8/45

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: 0.004+/-0.008 χ^2/NDF: 36.1/22

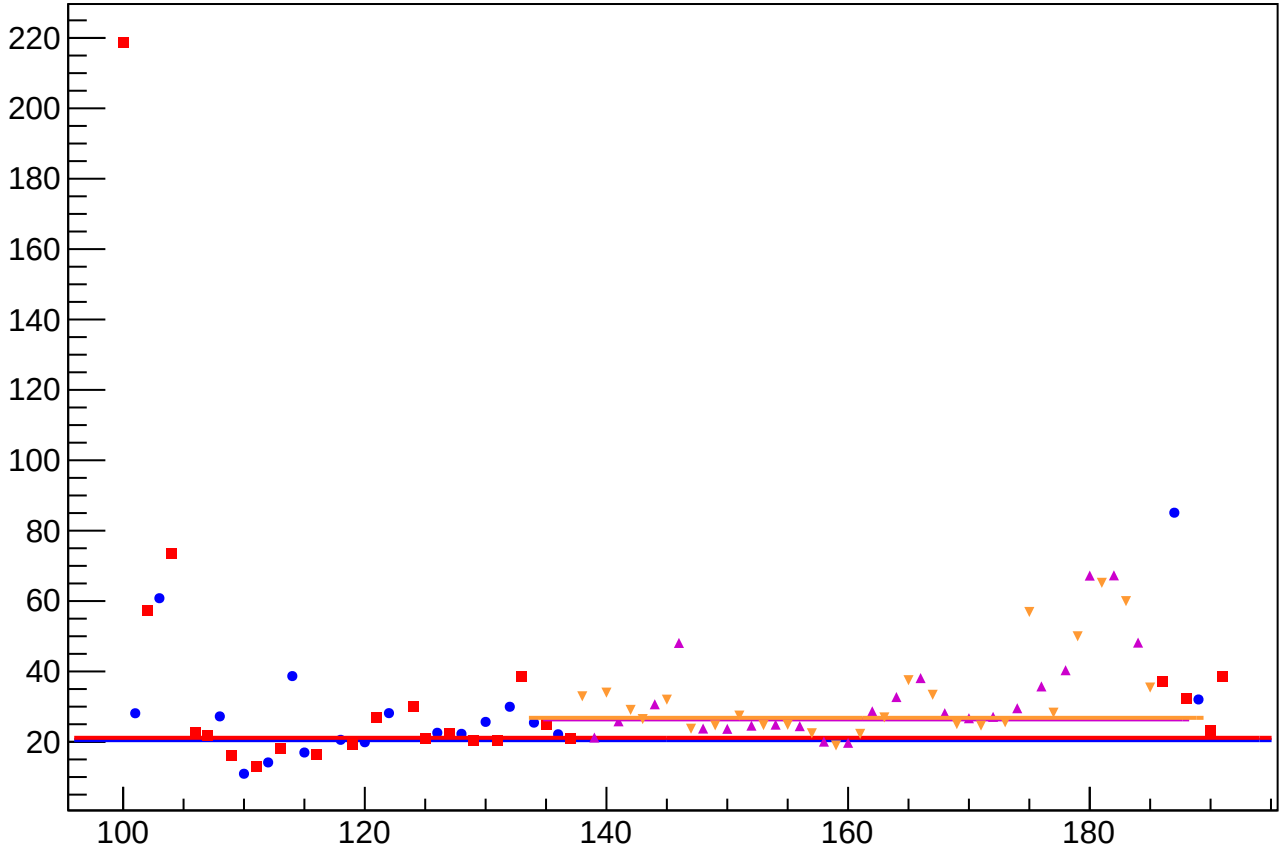
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.004+/-0.005 χ^2/NDF: 39.5/42

All: 0.002+/-0.004 χ^2/NDF: 107.7/88

- sign -0.000+/-0.005 χ^2/NDF: 67.9/45

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

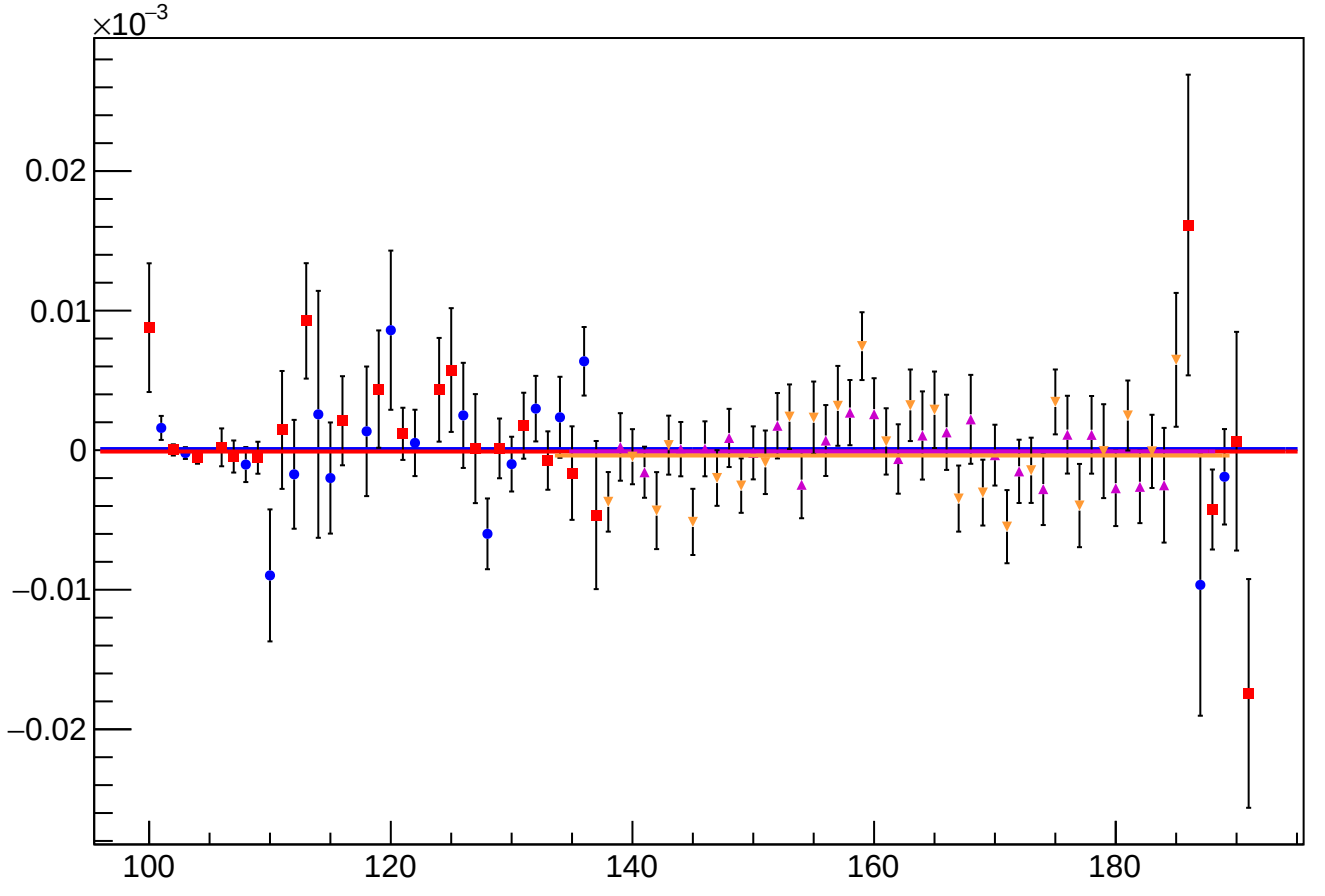
Right Out: 21.148+/-0.005 χ^2/NDF: 2222492.6/22

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

+ sign 24.313+/-0.004 χ^2/NDF: 5209152.4/42

All: 24.227+/-0.003 χ^2/NDF: 10534693.9/88

- sign 24.143+/-0.004 χ^2/NDF: 5324404.8/45



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: 26.0/22

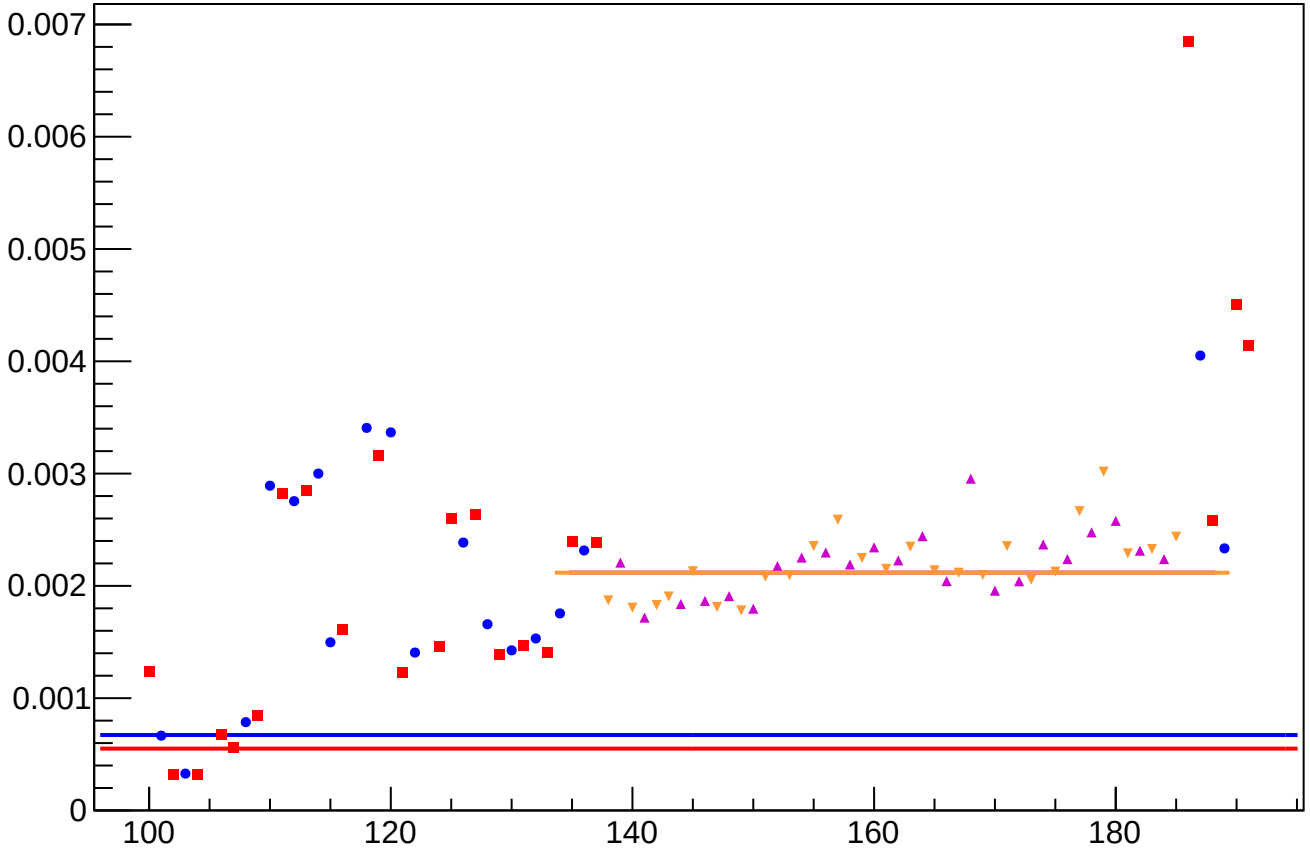
Left In: -0.000+/-0.000 χ^2/NDF:10.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 71.2/42

All: -0.000+/-0.000 χ^2/NDF: 107.4/88

- sign -0.000+/-0.000 χ^2/NDF: 36.2/45

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: 9283626.6/22

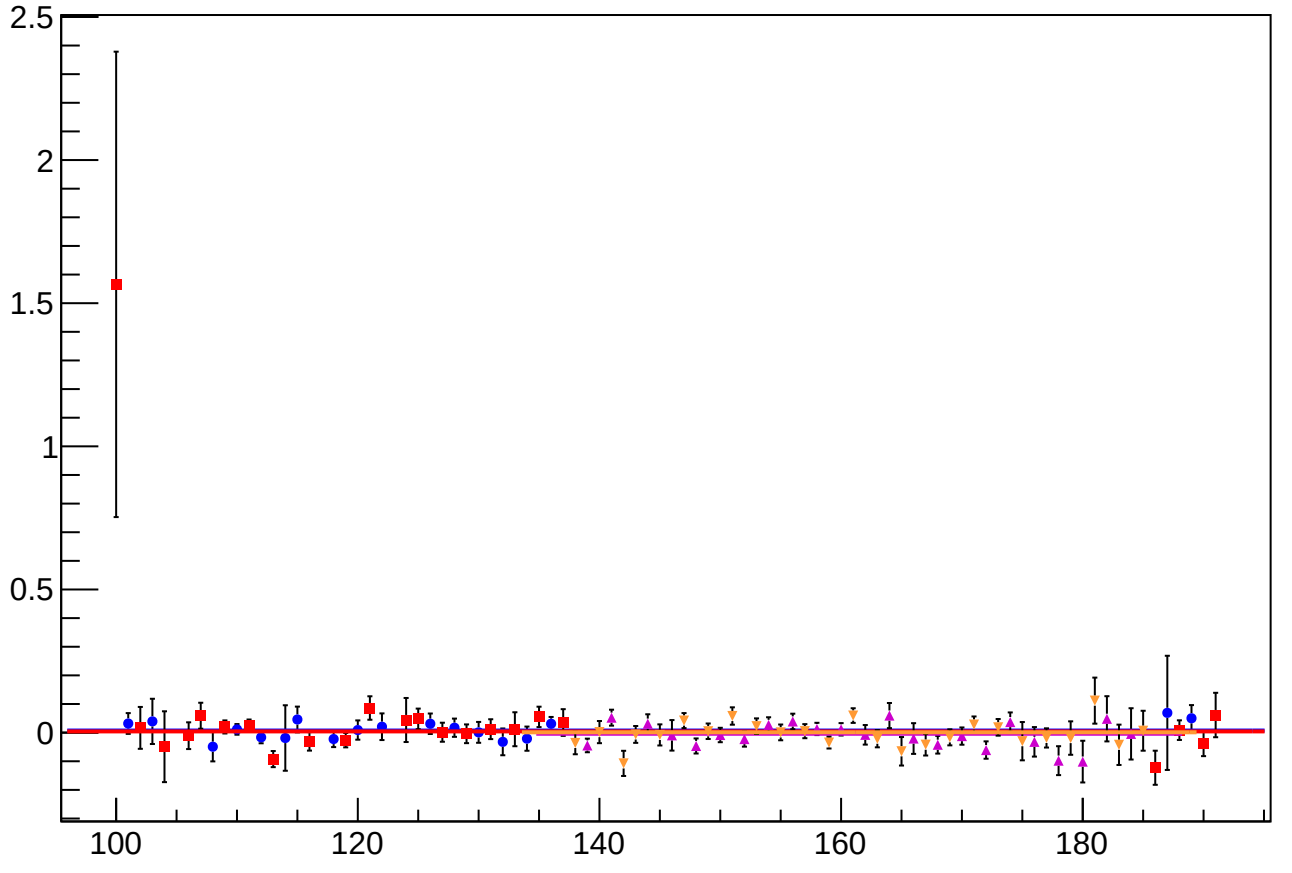
Left In: 0.002+/-0.000 χ^2/NDF:588580.3/22

\+ sign 0.001+/-0.000 χ^2/NDF: 19730513.9/42

All: 0.001+/-0.000 χ^2/NDF: 46061320.8/88

\- sign 0.001+/-0.000 χ^2/NDF: 25363836.2/45

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: 0.004+/-0.008 χ^2/NDF: 36.1/22

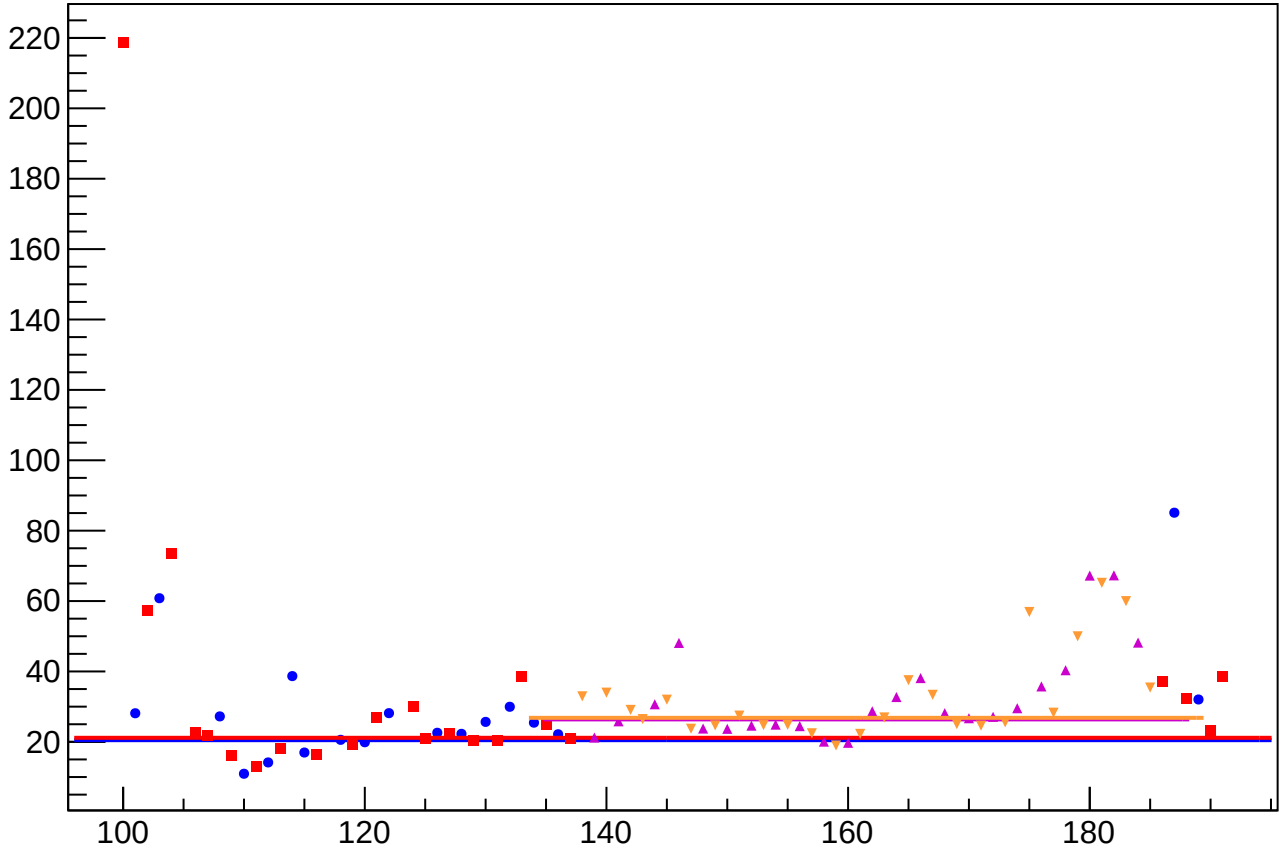
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.004+/-0.005 χ^2/NDF: 39.5/42

All: 0.002+/-0.004 χ^2/NDF: 107.7/88

- sign -0.000+/-0.005 χ^2/NDF: 67.9/45

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

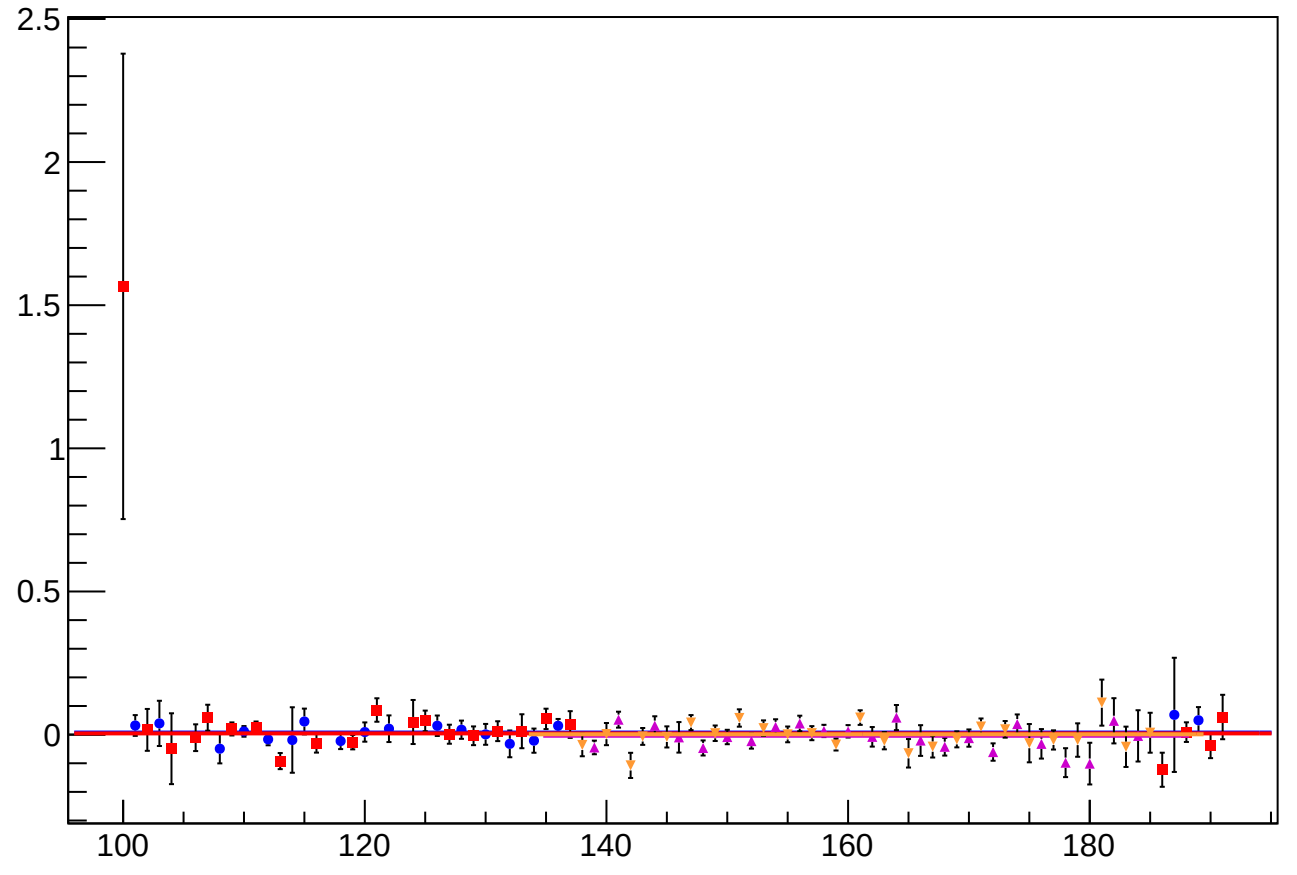
Right Out: 21.148+/-0.005 χ^2/NDF: 2222373.4/22

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

+ sign 24.313+/-0.004 χ^2/NDF: 5208898.8/42

All: 24.227+/-0.003 χ^2/NDF: 10534366.5/88

- sign 24.143+/-0.004 χ^2/NDF: 5324328.6/45



Right In: 0.007+/-0.008 χ^2/NDF: 8.9/17

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

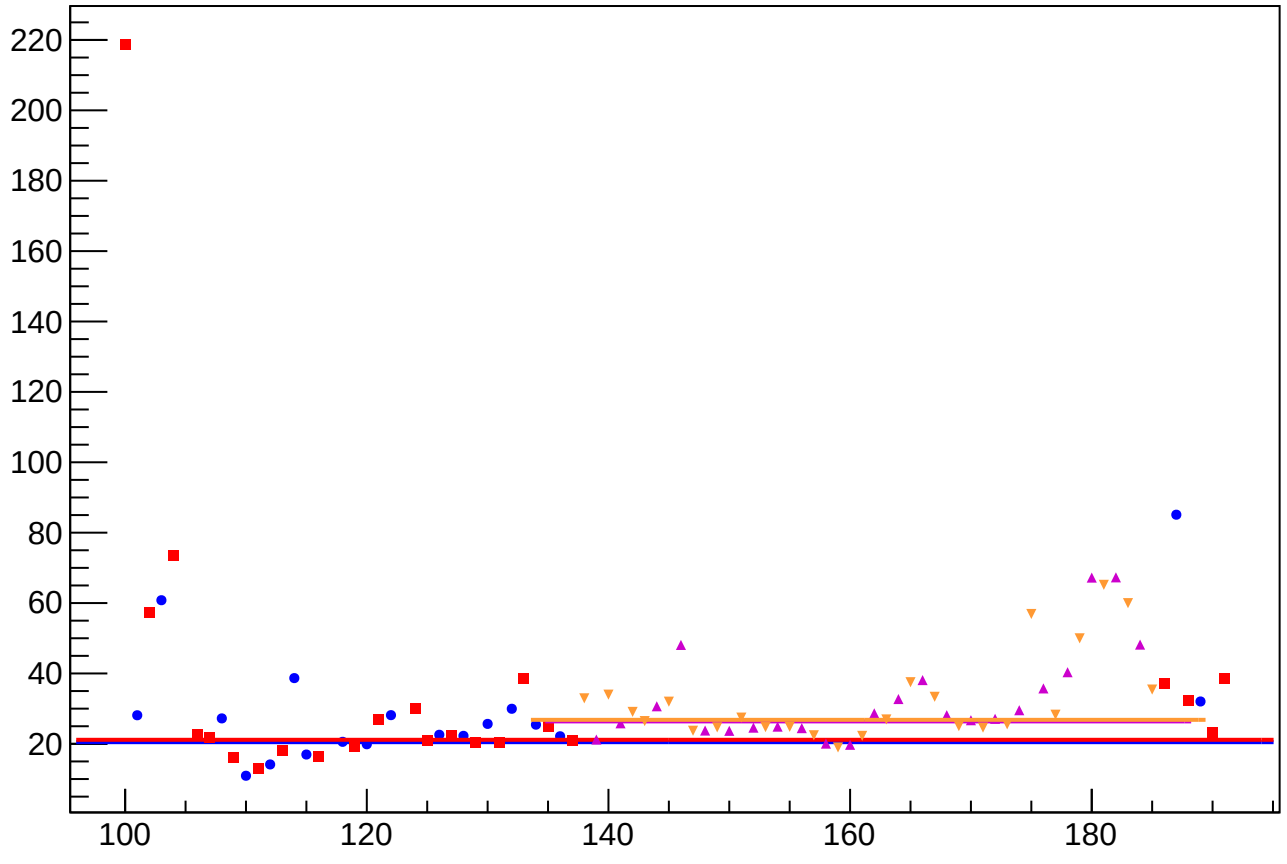
Right Out: 0.004+/-0.008 χ^2/NDF: 36.1/22

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: 107.7/88

- sign -0.000+/-0.005 χ^2/NDF: 67.9/45



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: 21.148+/-0.005 χ^2/NDF: 2222373.4/22

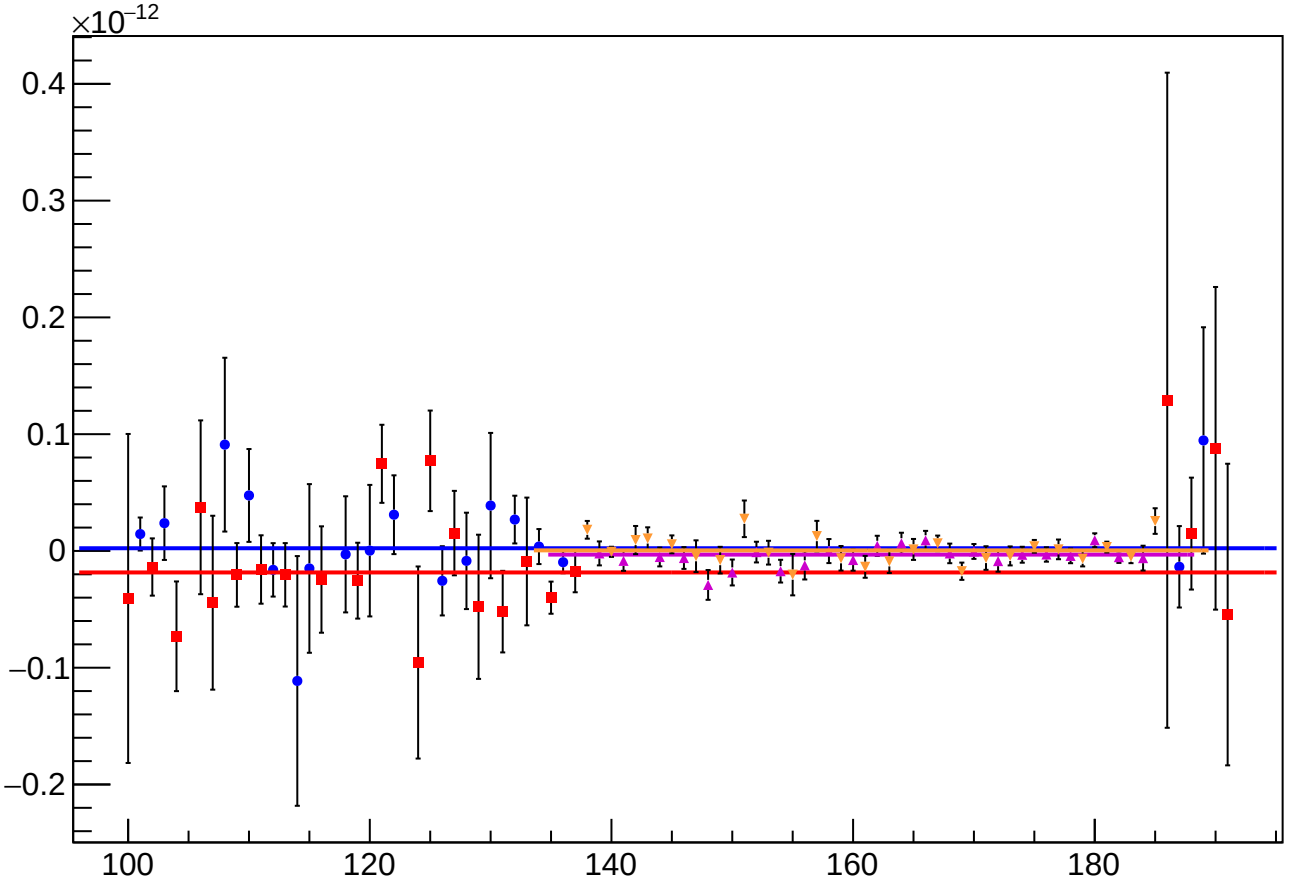
Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

+ sign 24.313+/-0.004 χ^2/NDF: 5208898.8/42

All: 24.227+/-0.003 χ^2/NDF: 10534366.5/88

- sign 24.143+/-0.004 χ^2/NDF: 5324328.6/45

asym_sam7_eigen_cor_vs_cor_diff_mean vs Slug



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: 21.7/22

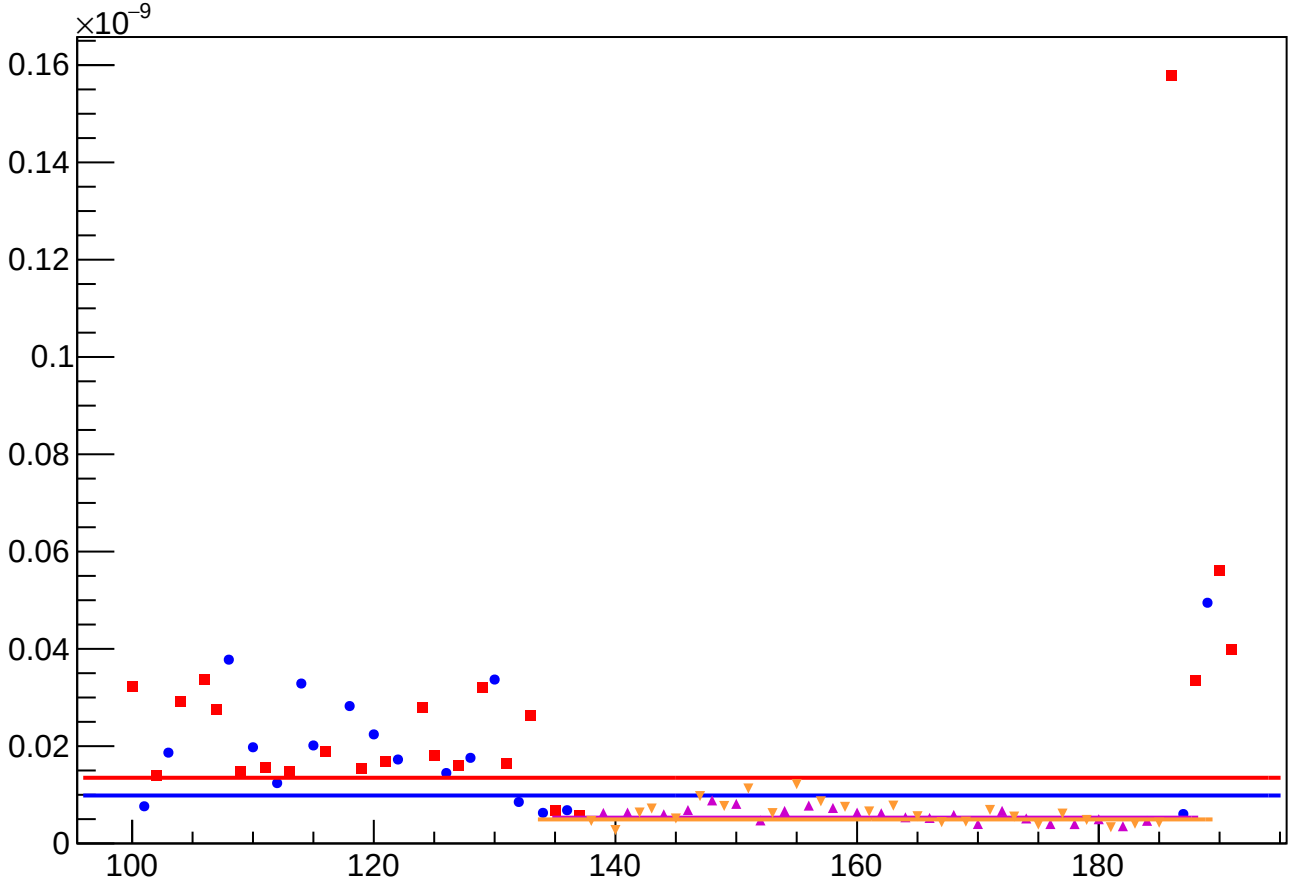
Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.7/42

All: -0.000+/-0.000 χ^2/NDF: 94.3/88

- sign -0.000+/-0.000 χ^2/NDF: 45.3/45

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: 2972492.3/22

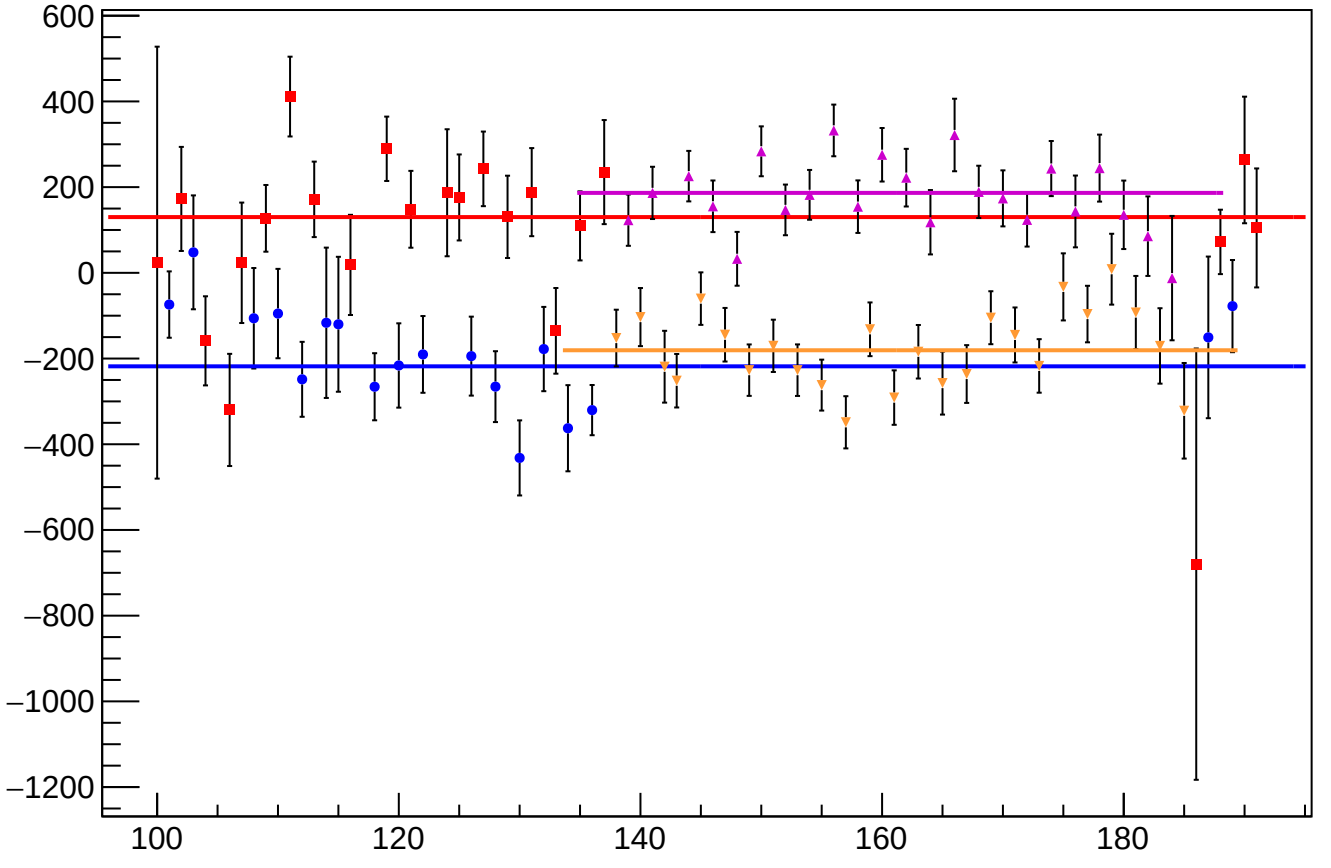
Left In: 0.000+/-0.000 χ^2/NDF:1247237.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 6499411.8/42

All: 0.000+/-0.000 χ^2/NDF: 13426710.6/88

- sign 0.000+/-0.000 χ^2/NDF: 6843412.1/45

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: 130.105+/-21.627 χ^2/NDF: 49.3/22

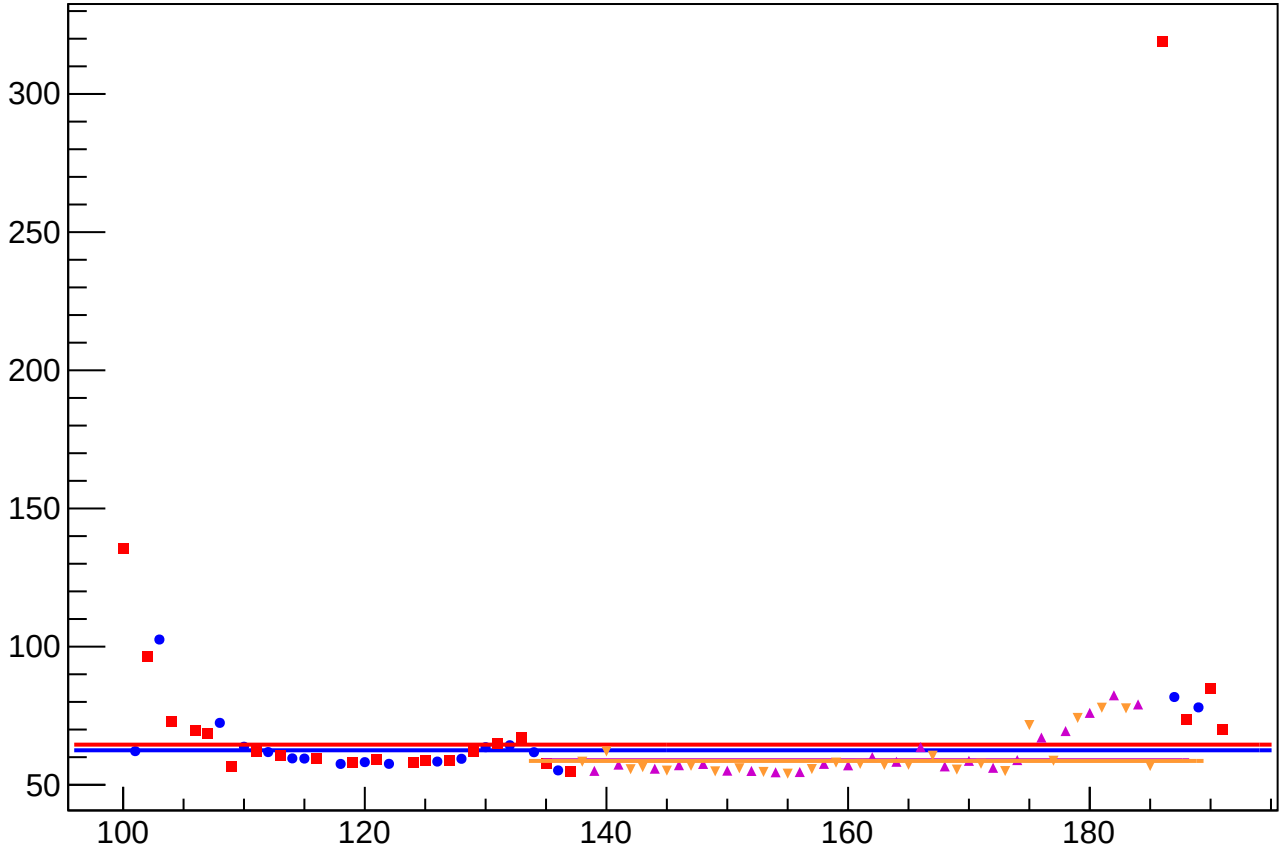
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -190.561+/-11.517 χ^2/NDF: 65.2/42

All: -12.586+/-8.197 χ^2/NDF: 632.3/88

- sign 170.129+/-11.669 χ^2/NDF: 83.2/45

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: 64.537+/-0.015 χ^2/NDF: 878600.8/22

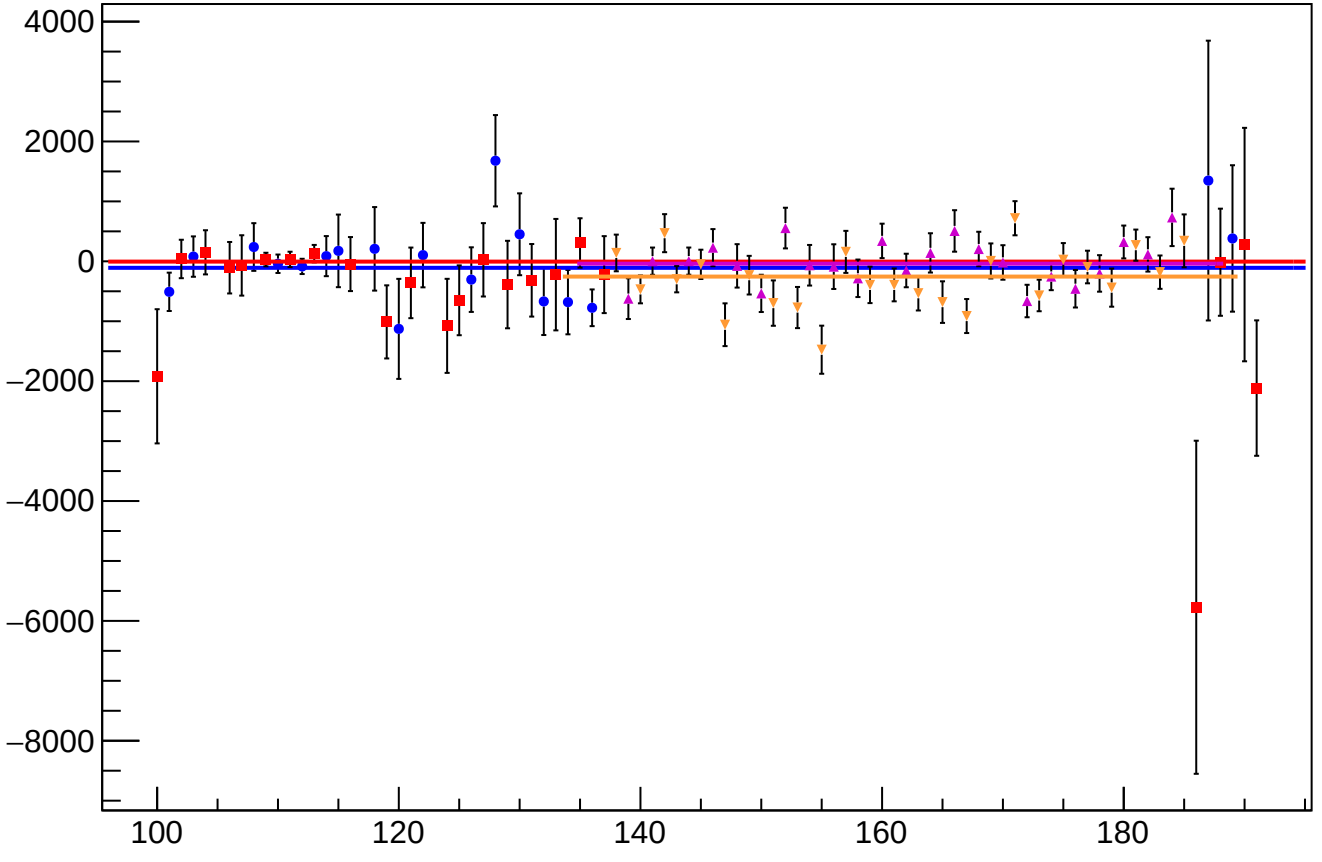
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 59.658+/-0.008 χ^2/NDF: 754221.4/42

All: 60.096+/-0.006 χ^2/NDF: 2121624.4/88

- sign 60.546+/-0.008 χ^2/NDF: 1361535.9/45

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: -4.664+/-63.618 χ^2/NDF: 19.5/22

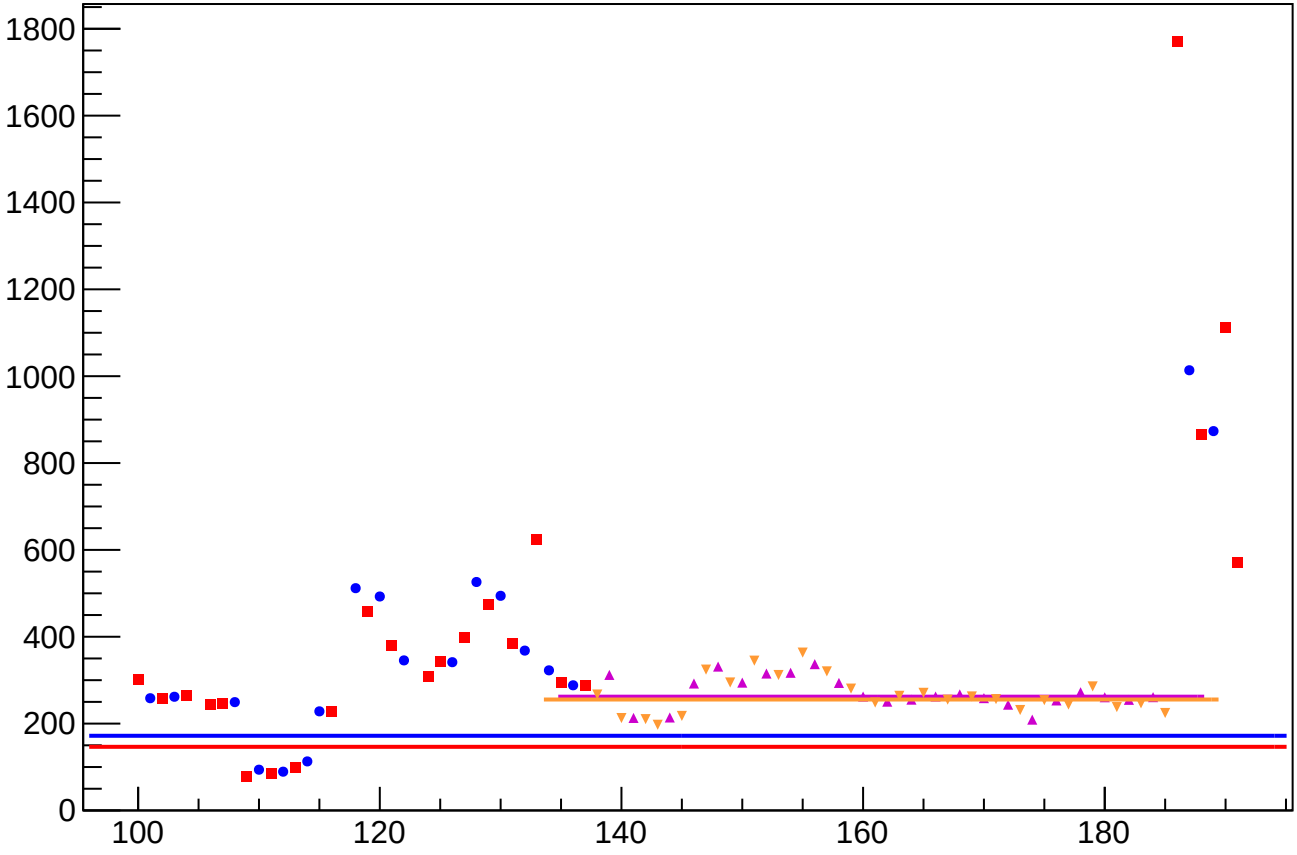
Left In: -39.147+/-61.883 χ^2/NDF:28.3/22

+ sign -199.816+/-46.549 χ^2/NDF: 79.0/42

All: -106.825+/-32.113 χ^2/NDF: 134.6/88

- sign -22.382+/-44.358 χ^2/NDF: 48.0/45

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

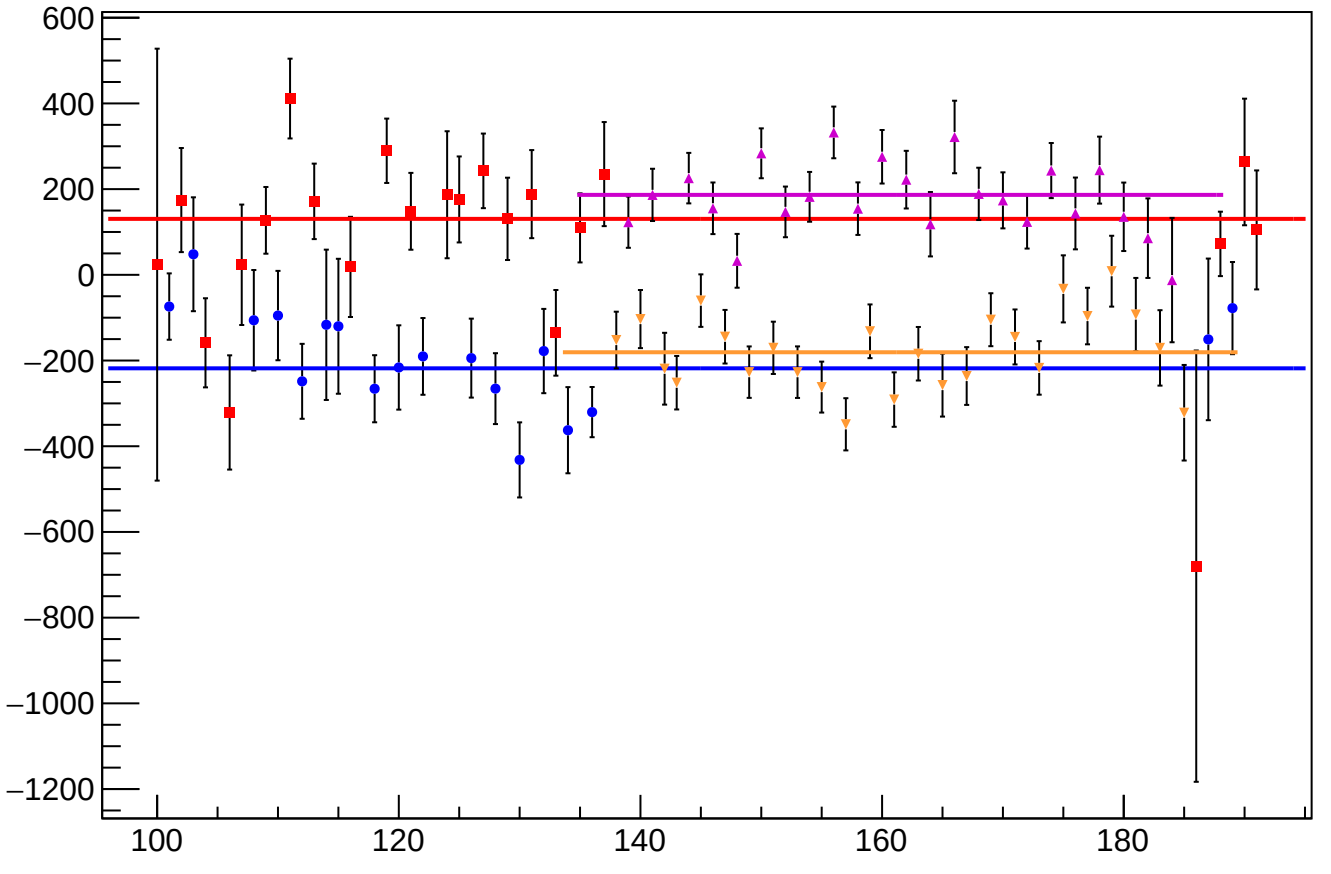
Right Out: 146.538+/-0.045 χ^2/NDF: 7933080.9/22

Left In: 262.007+/-0.044 χ^2/NDF:670576.2/22

+ sign 224.160+/-0.033 χ^2/NDF: 7840648.7/42

All: 214.574+/-0.023 χ^2/NDF: 19991612.2/88

- sign 205.868+/-0.031 χ^2/NDF: 11989115.4/45



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: 130.578+/-21.638 χ^2/NDF: 49.0/22

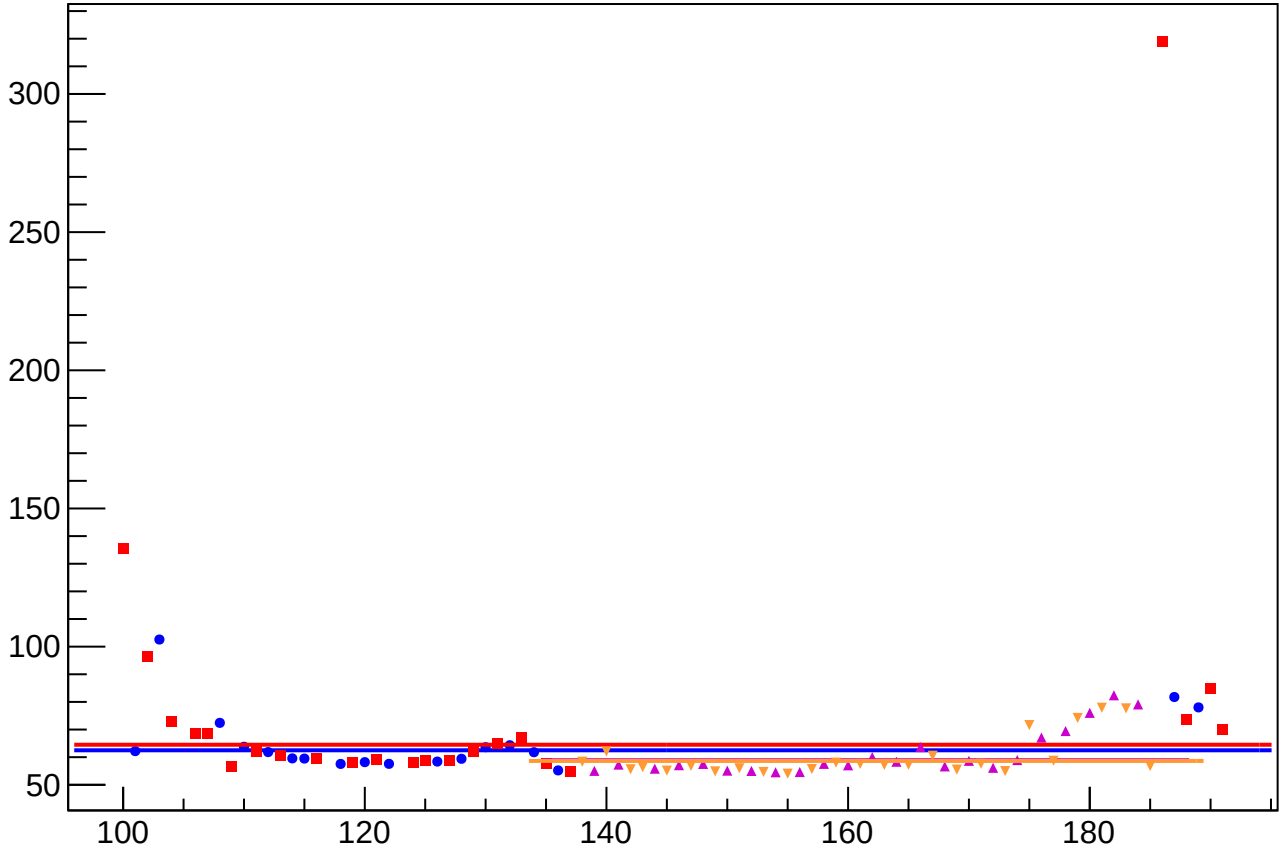
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -190.557+/-11.517 χ^2/NDF: 65.2/42

All: -12.536+/-8.198 χ^2/NDF: 632.2/88

- sign 170.279+/-11.671 χ^2/NDF: 82.7/45

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: 64.502+/-0.015 χ^2/NDF: 877504.2/22

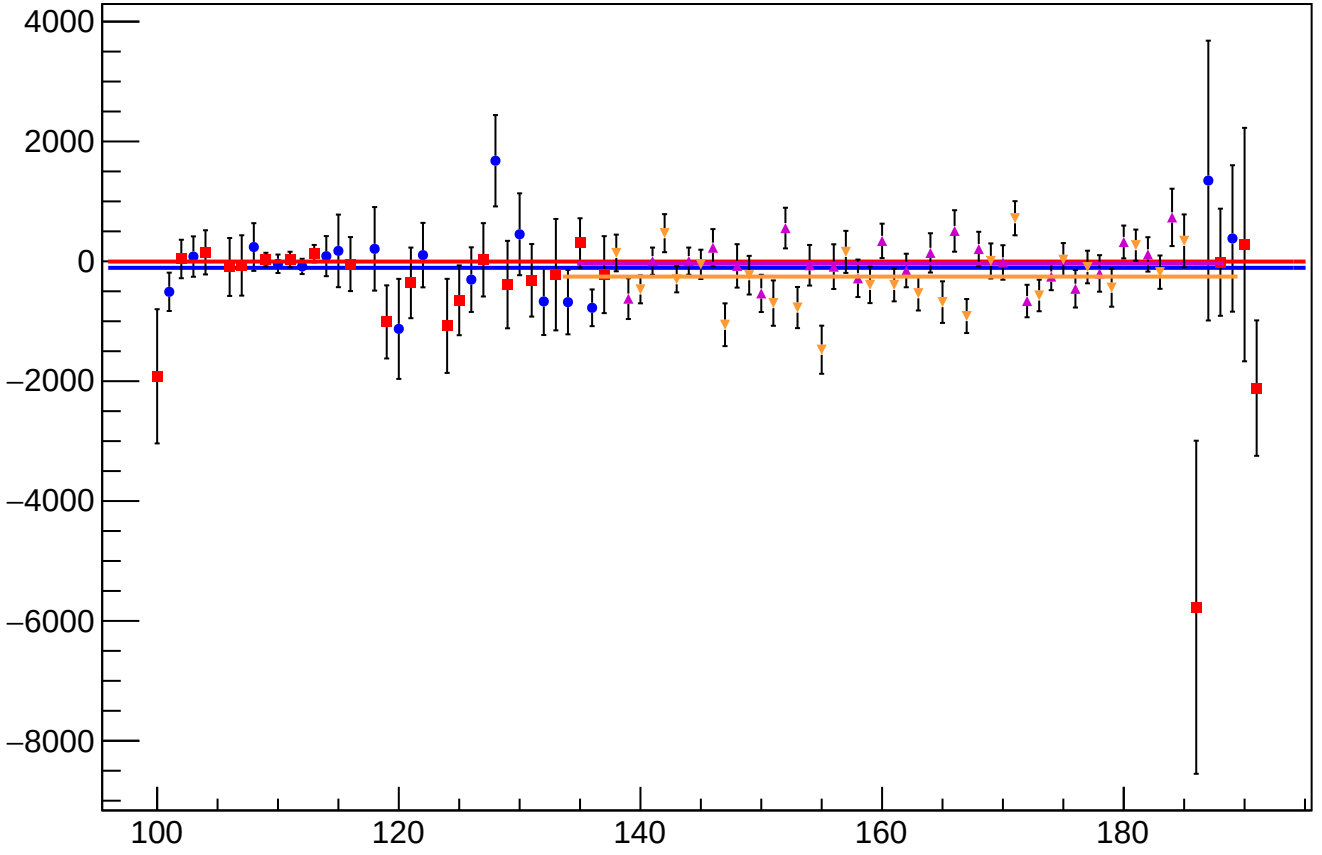
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 59.658+/-0.008 χ^2/NDF: 754224.0/42

All: 60.090+/-0.006 χ^2/NDF: 2119107.5/88

- sign 60.534+/-0.008 χ^2/NDF: 1359167.7/45

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: -3.994+/-63.768 χ^2/NDF: 19.5/22

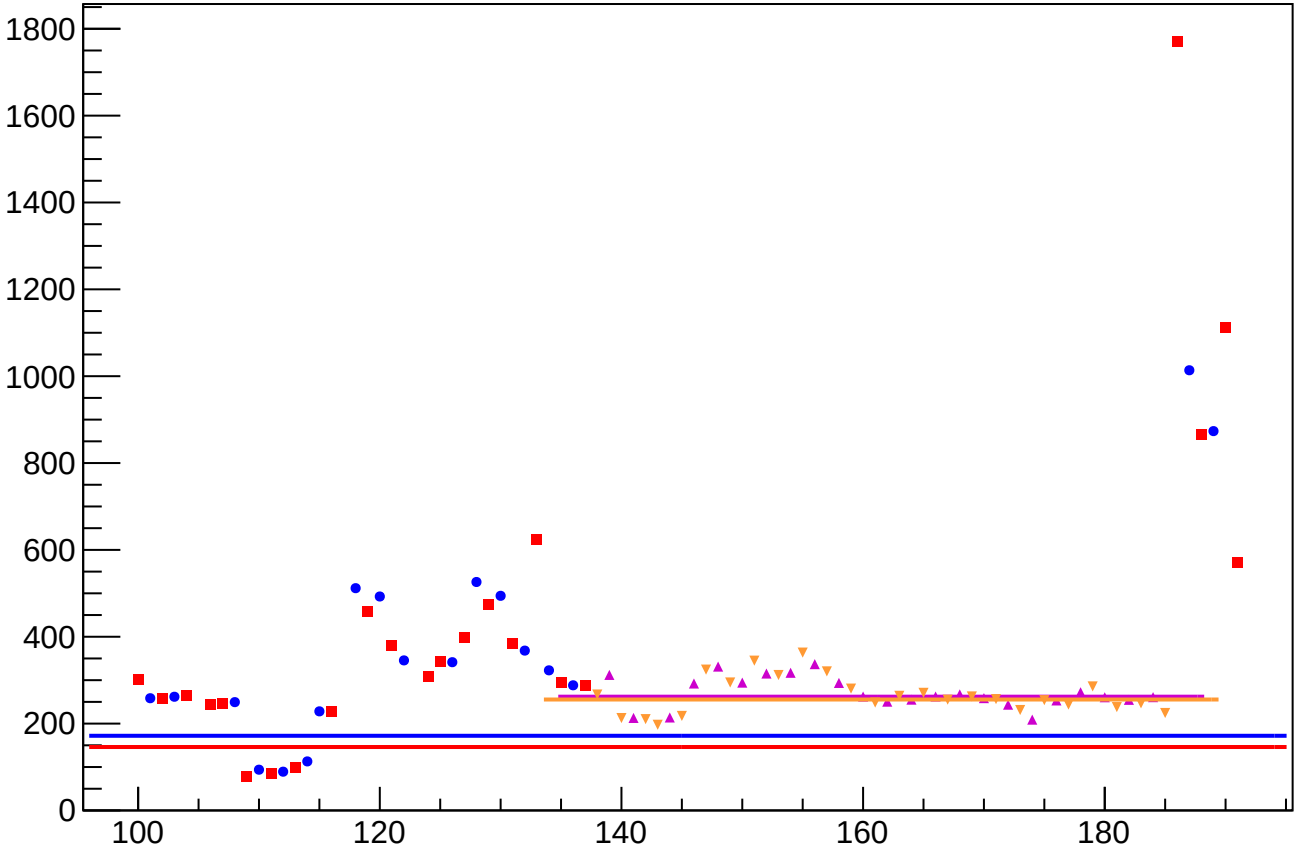
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -199.807+/-46.549 χ^2/NDF: 79.0/42

All: -106.772+/-32.132 χ^2/NDF: 134.6/88

- sign -22.096+/-44.409 χ^2/NDF: 48.0/45

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: 146.087+/-0.045 χ^2/NDF: 7912148.2/22

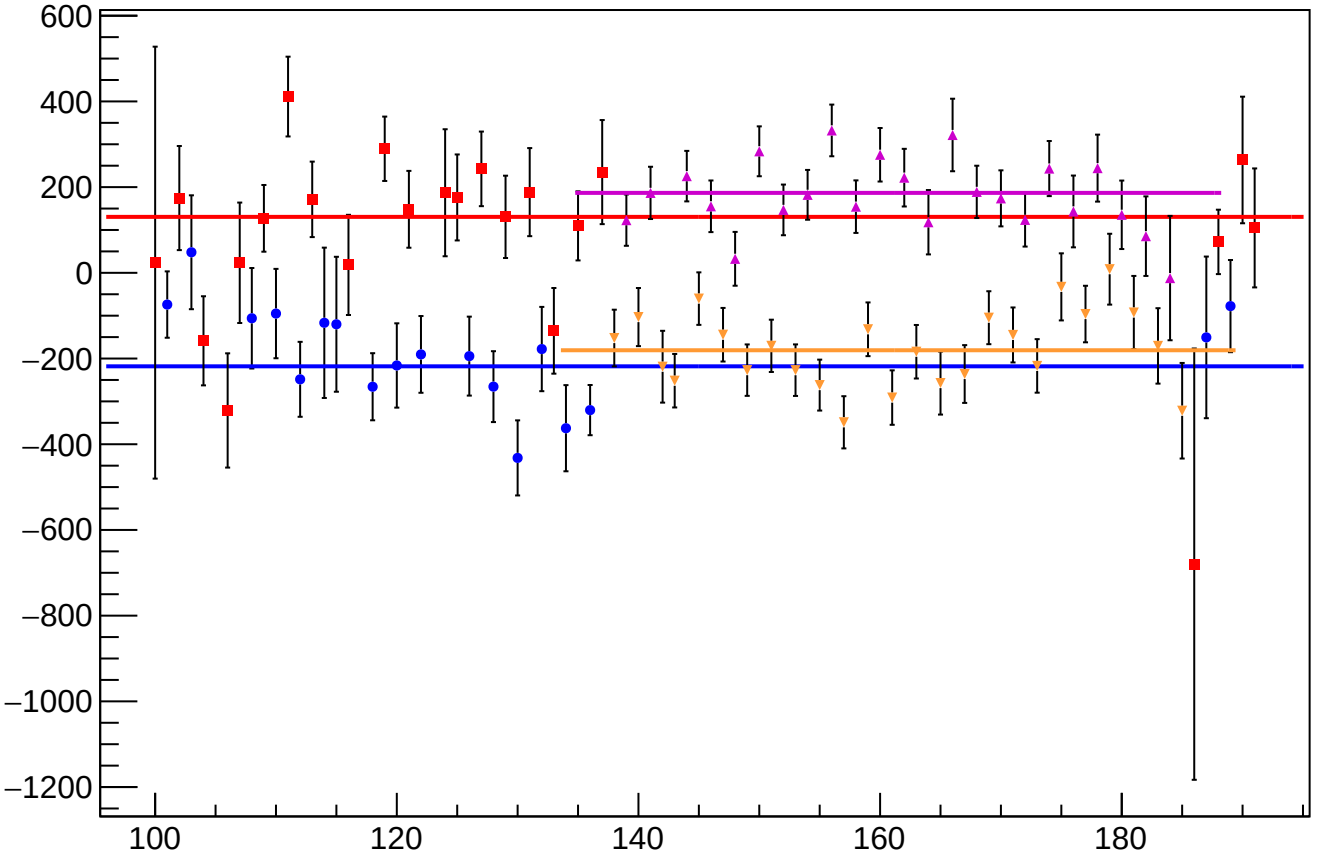
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 224.160+/-0.033 χ^2/NDF: 7840676.7/42

All: 214.541+/-0.023 χ^2/NDF: 19990263.9/88

- sign 205.785+/-0.031 χ^2/NDF: 11986439.7/45

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: 130.578+/-21.638 χ^2/NDF: 49.0/22

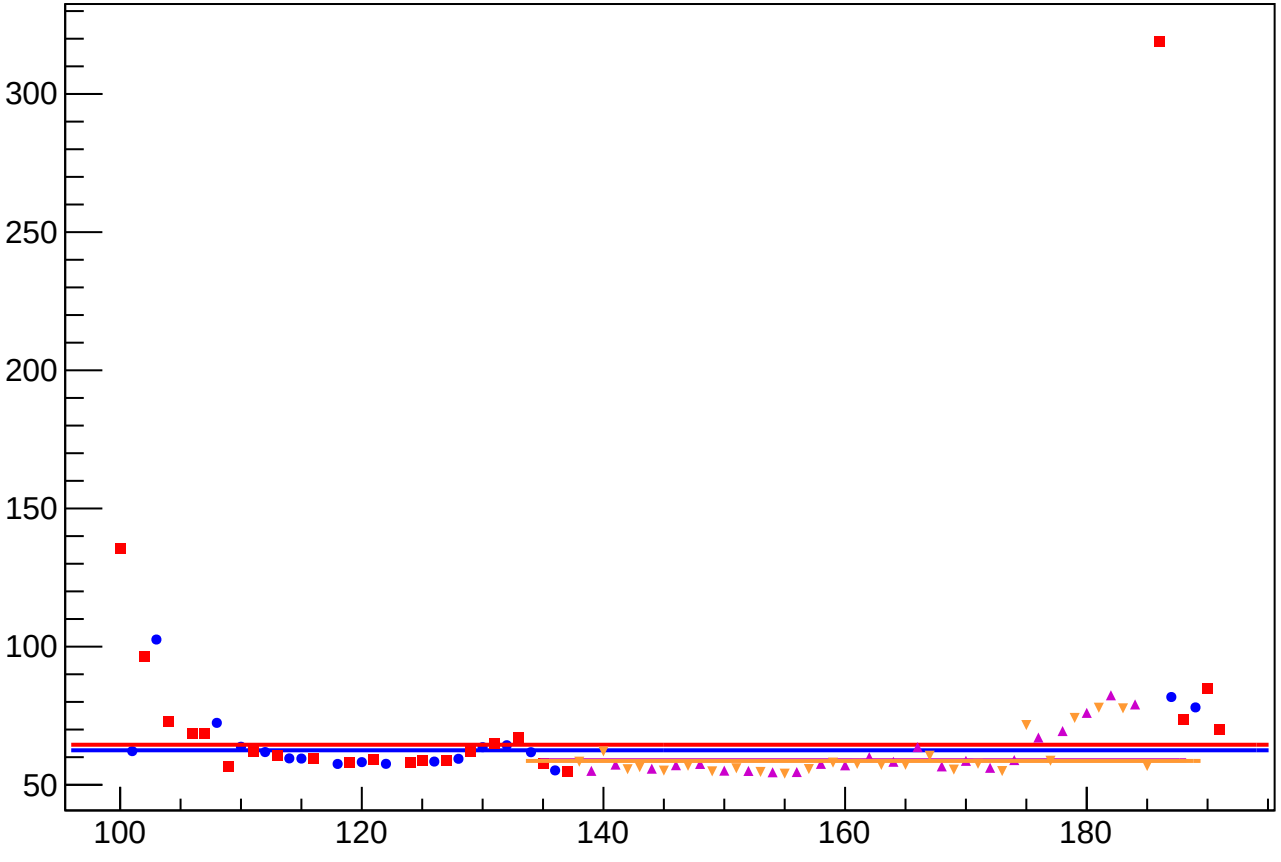
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -190.557+/-11.517 χ^2/NDF: 65.2/42

All: -12.536+/-8.198 χ^2/NDF: 632.2/88

- sign 170.279+/-11.671 χ^2/NDF: 82.7/45

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: 64.502+/-0.015 χ^2/NDF: 877504.2/22

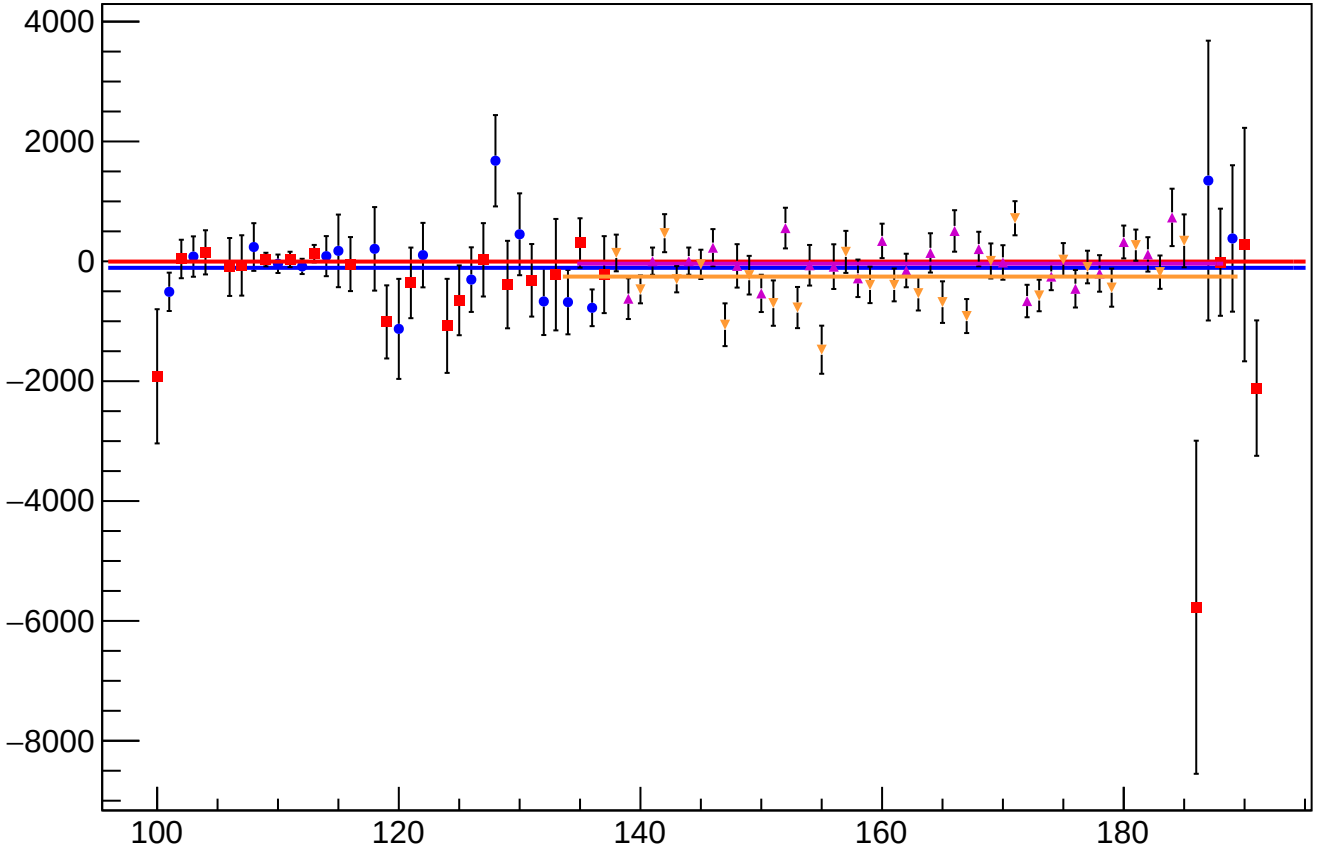
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 59.658+/-0.008 χ^2/NDF: 754224.0/42

All: 60.090+/-0.006 χ^2/NDF: 2119107.5/88

- sign 60.534+/-0.008 χ^2/NDF: 1359167.7/45

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: -3.994+/-63.768 χ^2/NDF: 19.5/22

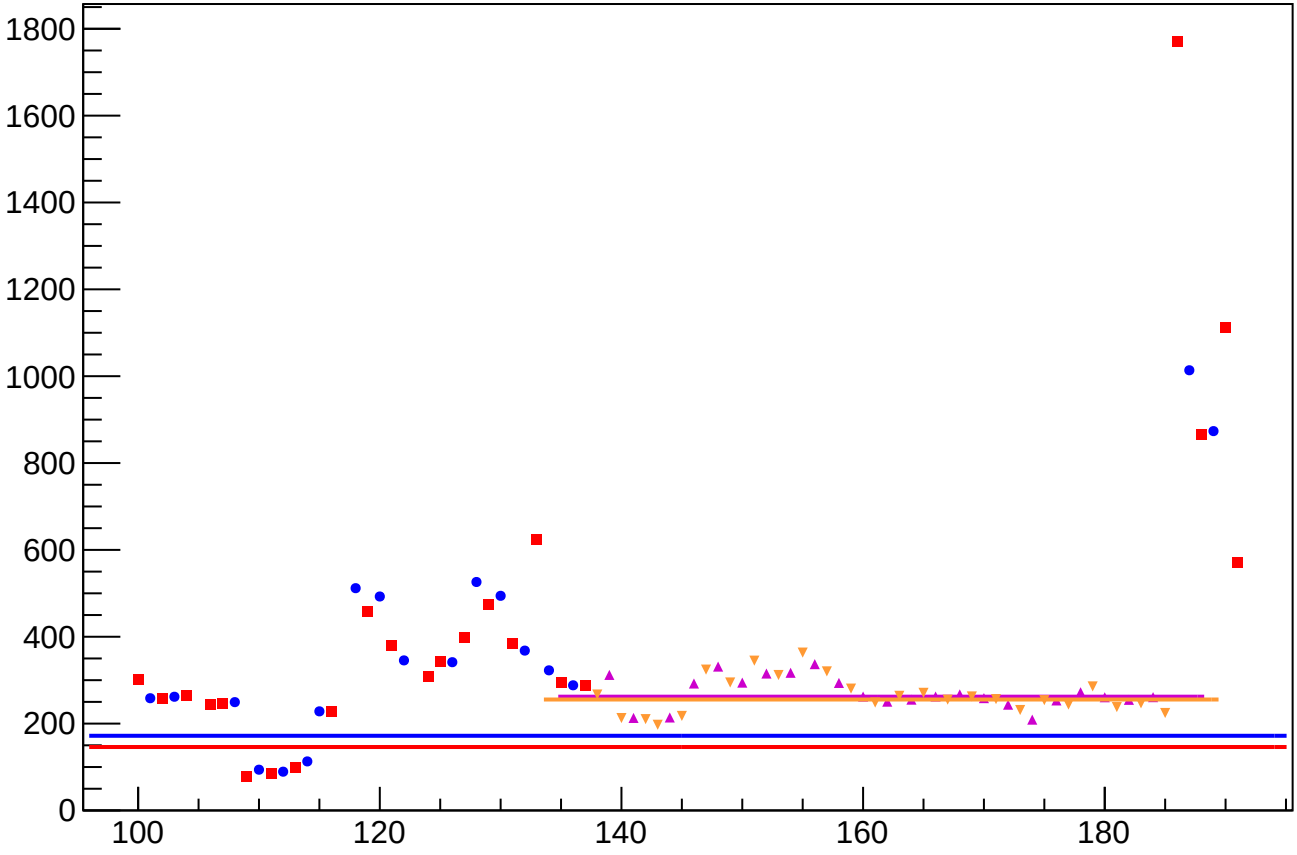
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -199.807+/-46.549 χ^2/NDF: 79.0/42

All: -106.772+/-32.132 χ^2/NDF: 134.6/88

- sign -22.096+/-44.409 χ^2/NDF: 48.0/45

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: 146.087+/-0.045 χ^2/NDF: 7912148.2/22

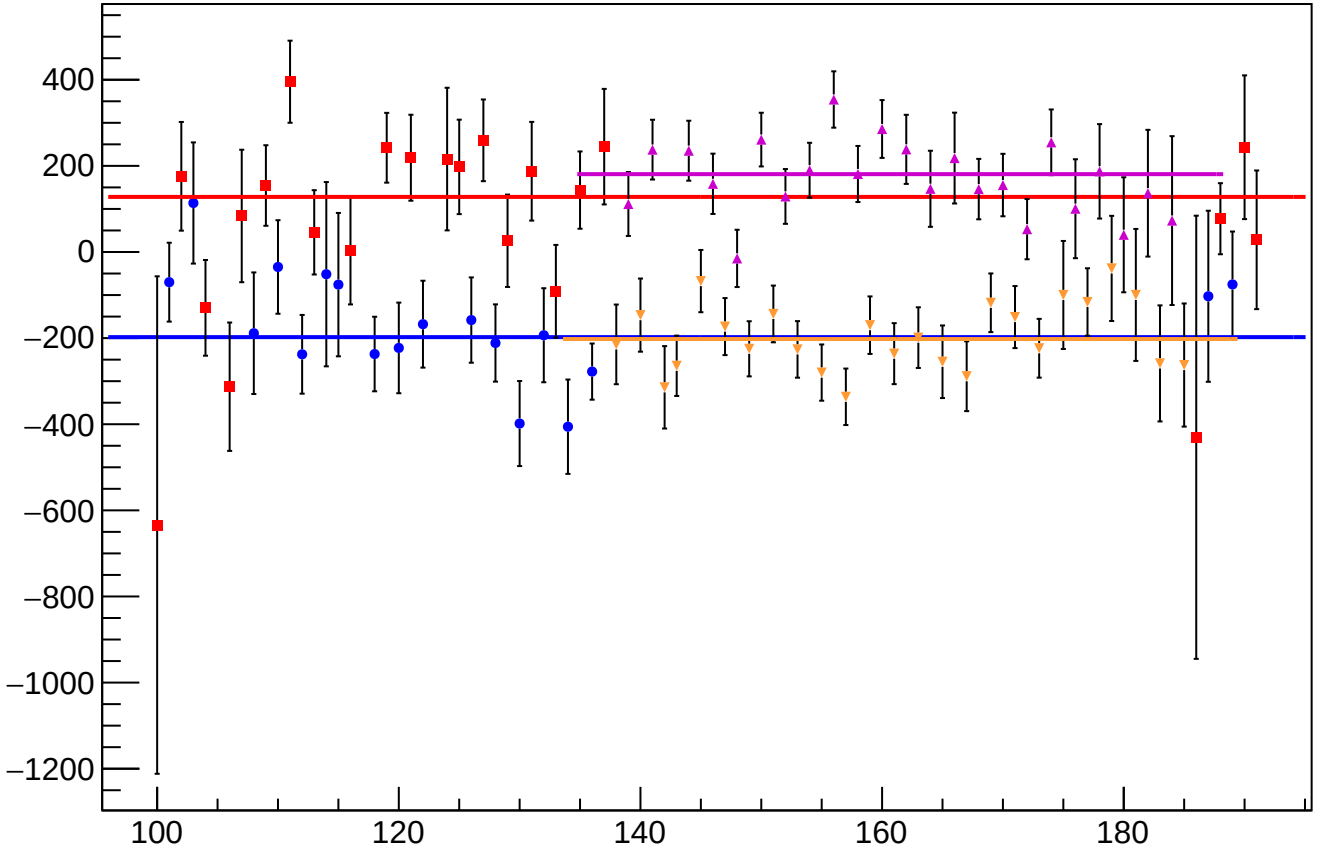
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 224.160+/-0.033 χ^2/NDF: 7840676.7/42

All: 214.541+/-0.023 χ^2/NDF: 19990263.9/88

- sign 205.785+/-0.031 χ^2/NDF: 11986439.7/45

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: 127.917+/-23.803 χ^2/NDF: 39.7/22

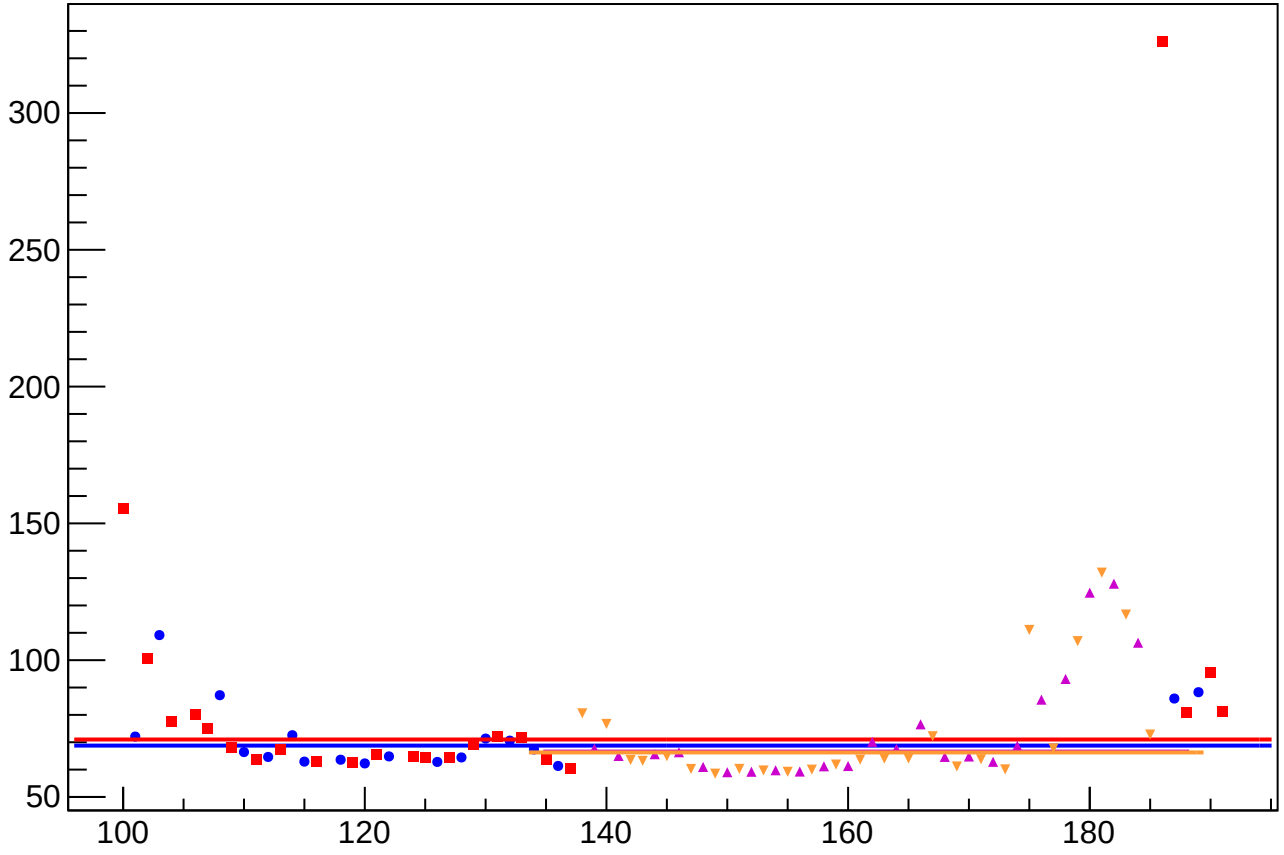
Left In: 180.784+/-16.019 χ^2/NDF:30.1/22

+ sign -200.861+/-13.166 χ^2/NDF: 42.8/42

All: -19.982+/-9.353 χ^2/NDF: 497.1/88

- sign 164.304+/-13.290 χ^2/NDF: 73.2/45

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: 71.006+/-0.017 χ^2/NDF: 835817.4/22

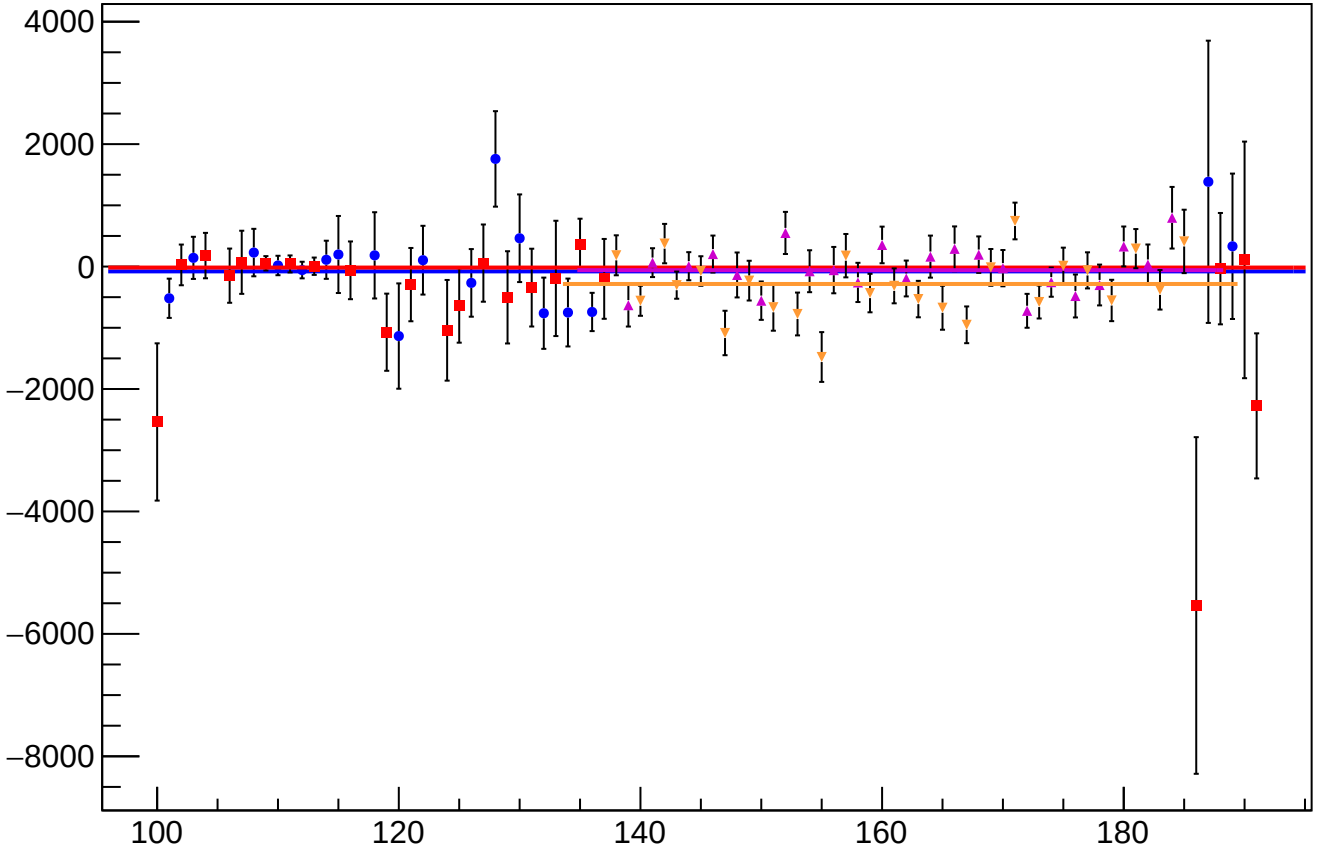
Left In: 66.585+/-0.011 χ^2/NDF:1158238.0/22

+ sign 66.982+/-0.009 χ^2/NDF: 1741477.6/42

All: 67.468+/-0.007 χ^2/NDF: 3788499.3/88

- sign 67.963+/-0.009 χ^2/NDF: 2041524.7/45

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: -16.176+/-65.580 χ^2/NDF: 19.7/22

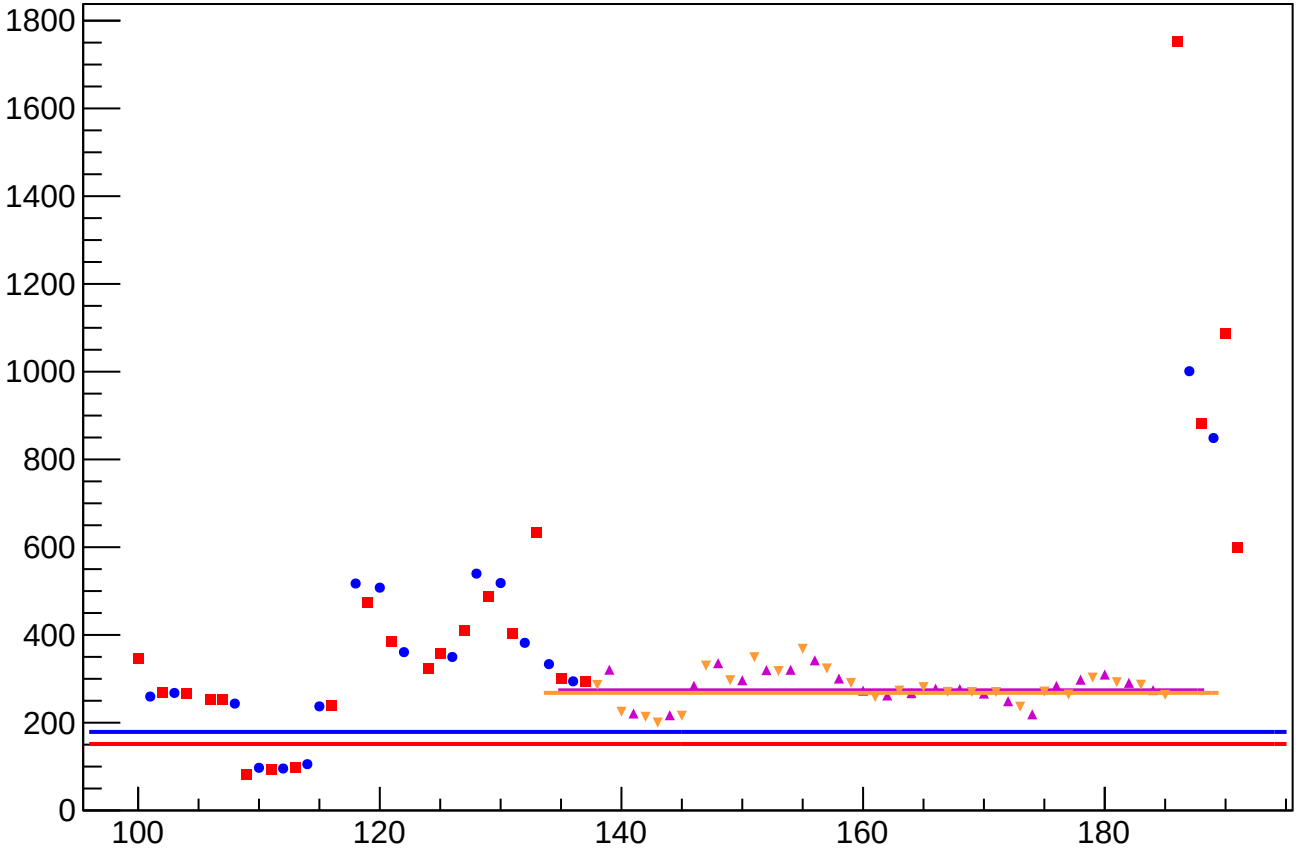
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -205.795+/-48.513 χ^2/NDF: 78.6/42

All: -117.492+/-33.393 χ^2/NDF: 131.7/88

- sign -37.980+/-46.035 χ^2/NDF: 46.8/45

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: 151.510+/-0.046 χ^2/NDF: 7881846.5/22

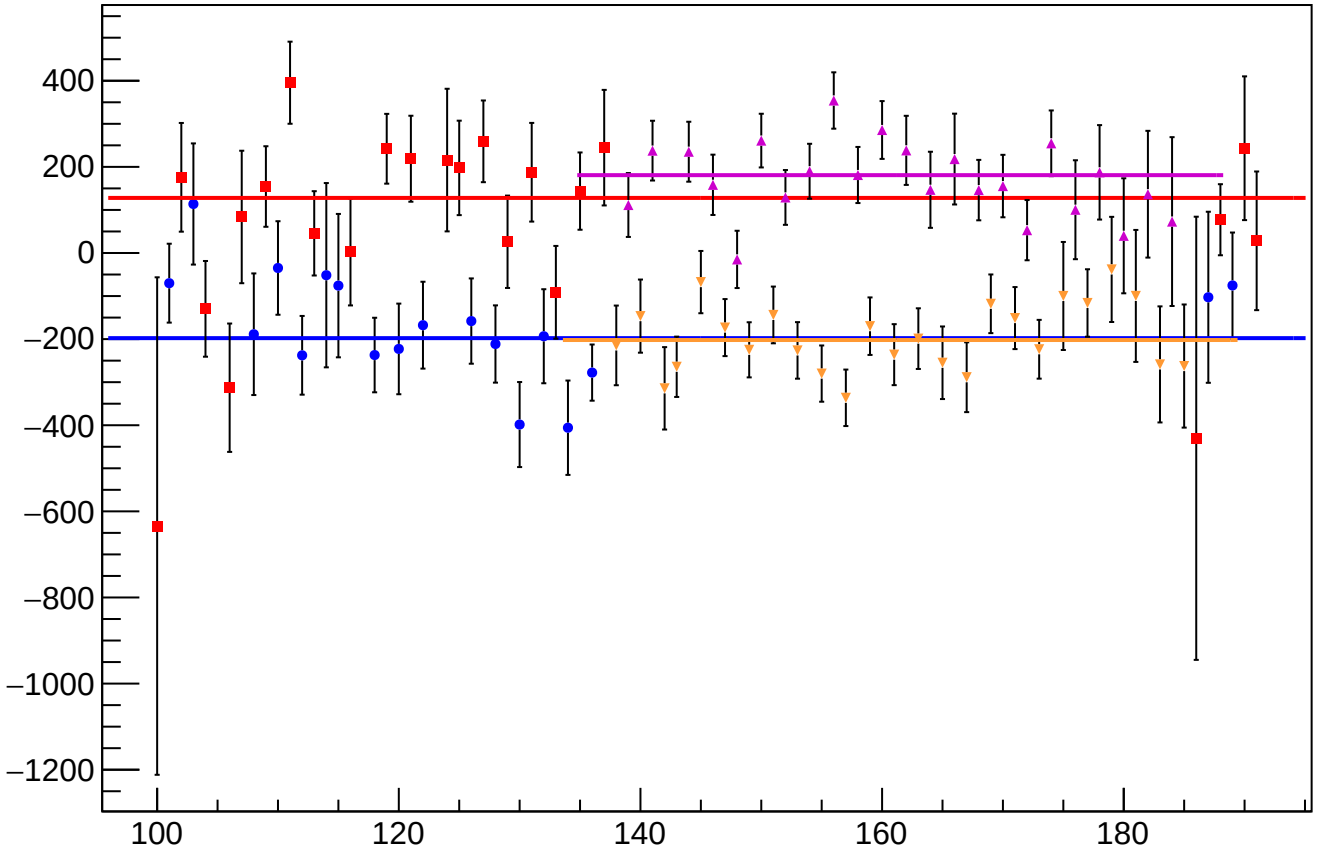
Left In: 273.751+/-0.046 χ^2/NDF:650295.5/22

+ sign 233.963+/-0.034 χ^2/NDF: 7776656.1/42

All: 223.204+/-0.024 χ^2/NDF: 20020556.2/88

- sign 213.516+/-0.033 χ^2/NDF: 12056966.4/45

eigen_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: 127.918+/-23.803 χ^2/NDF: 39.7/22

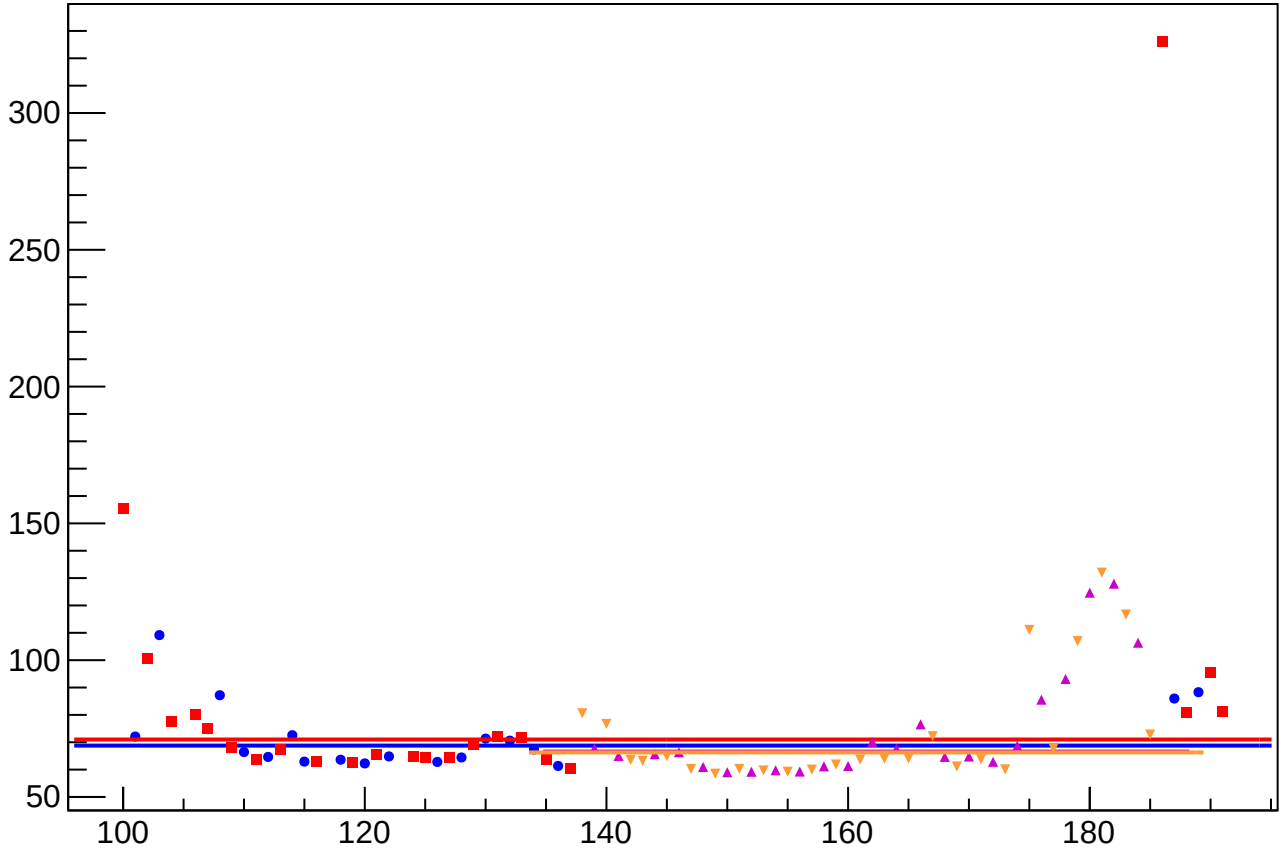
Left In: 180.785+/-16.019 χ^2/NDF:30.1/22

+ sign -200.860+/-13.166 χ^2/NDF: 42.8/42

All: -19.981+/-9.353 χ^2/NDF: 497.1/88

- sign 164.305+/-13.290 χ^2/NDF: 73.2/45

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: 71.005+/-0.017 χ^2/NDF: 835818.2/22

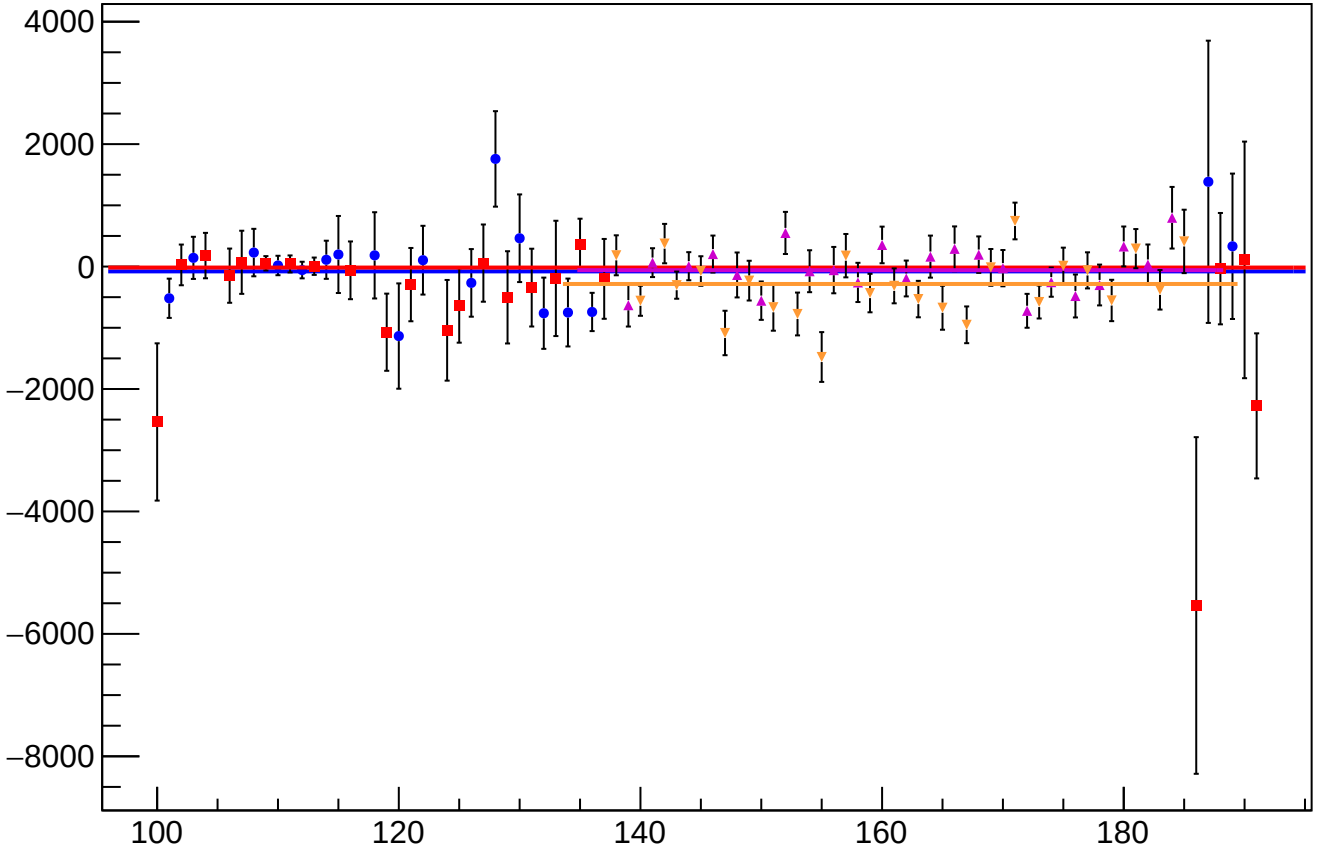
Left In: 66.585+/-0.011 χ^2/NDF:1158231.7/22

+ sign 66.982+/-0.009 χ^2/NDF: 1741480.3/42

All: 67.468+/-0.007 χ^2/NDF: 3788490.8/88

- sign 67.963+/-0.009 χ^2/NDF: 2041513.5/45

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: -16.175+/-65.580 χ^2/NDF: 19.7/22

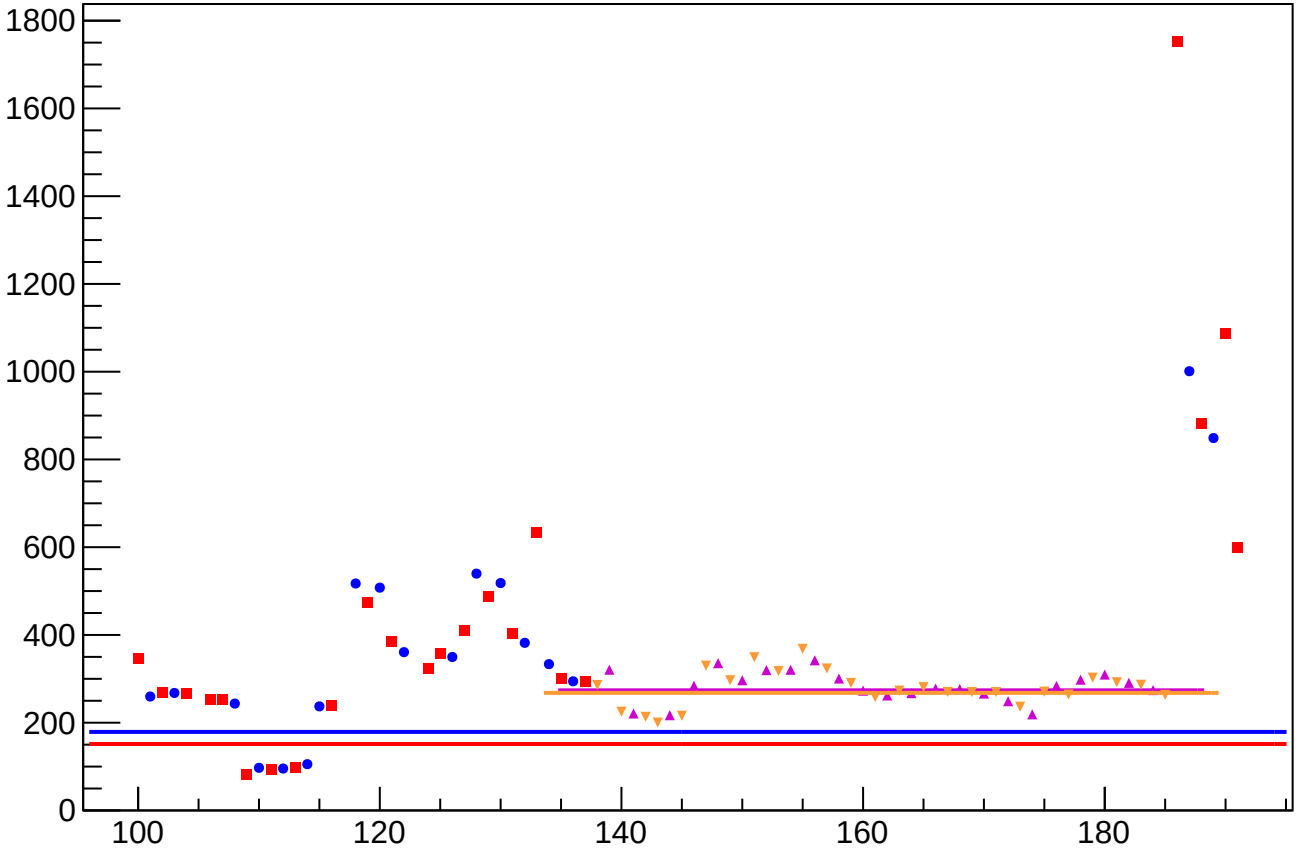
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -205.794+/-48.513 χ^2/NDF: 78.6/42

All: -117.492+/-33.393 χ^2/NDF: 131.7/88

- sign -37.979+/-46.035 χ^2/NDF: 46.8/45

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: 151.509+/-0.046 χ^2/NDF: 7881826.2/22

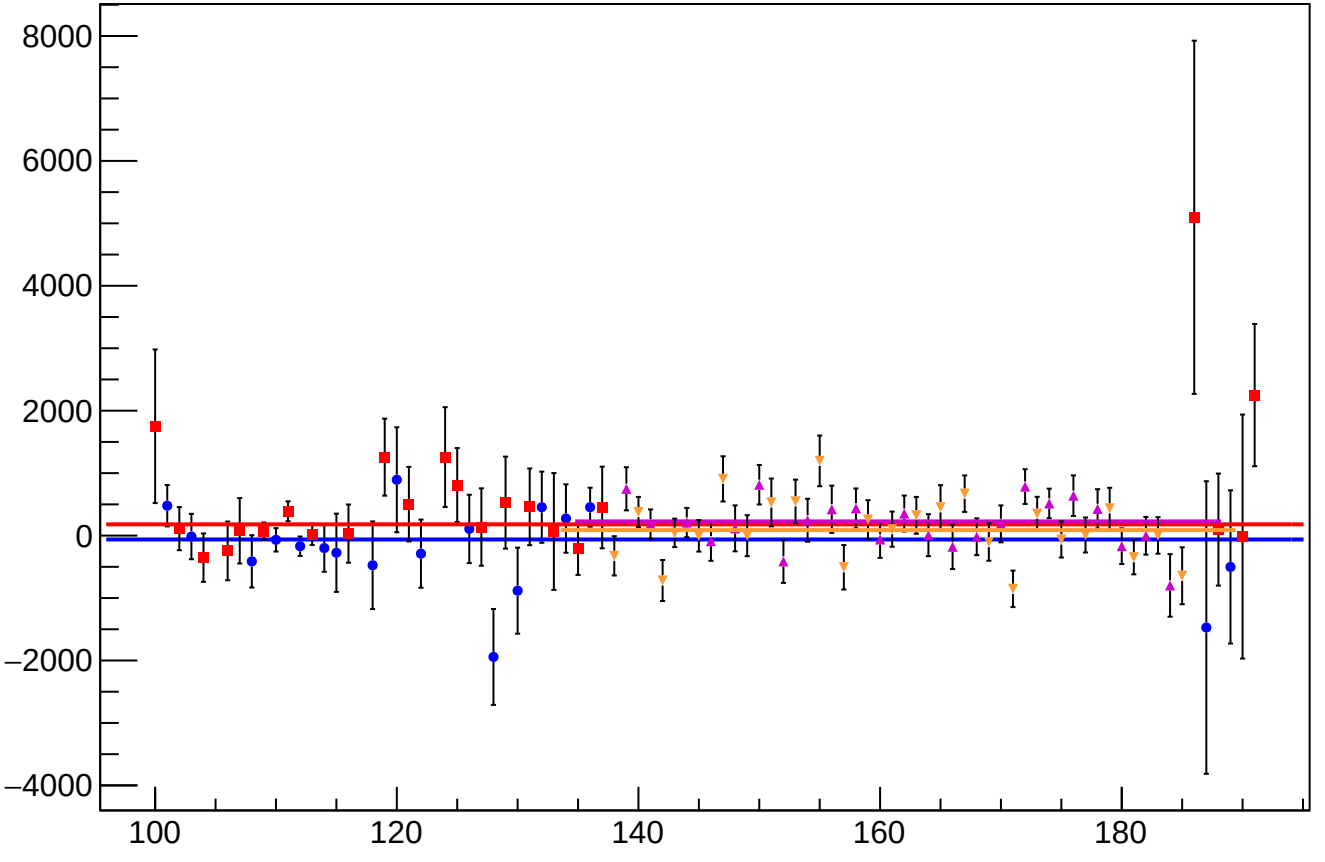
Left In: 273.750+/-0.046 χ^2/NDF:650300.9/22

+ sign 233.961+/-0.034 χ^2/NDF: 7776722.6/42

All: 223.203+/-0.024 χ^2/NDF: 20020582.5/88

- sign 213.516+/-0.033 χ^2/NDF: 12056936.5/45

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: 179.763+/-74.104 χ^2/NDF: 21.9/22

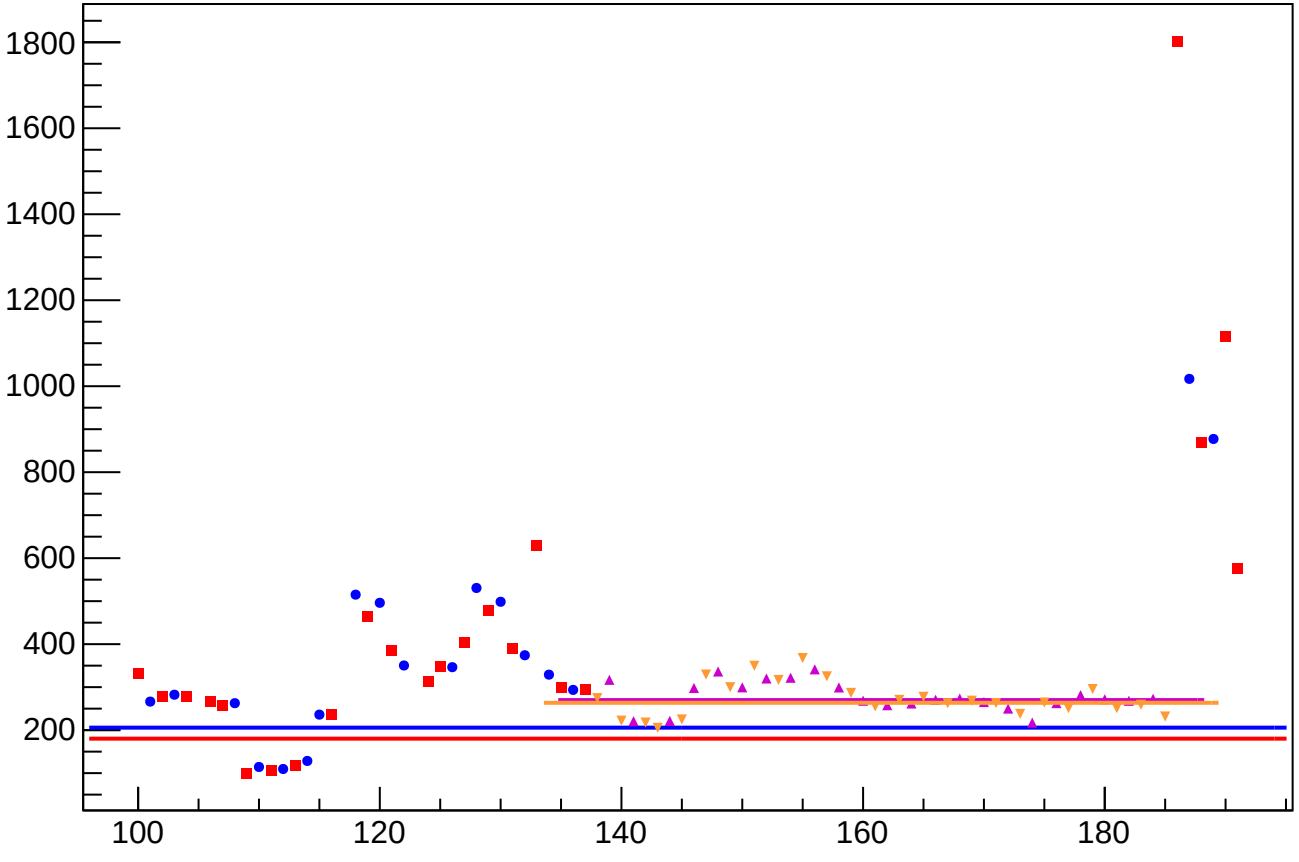
Left In: 226.867+/-63.677 χ^2/NDF:28.8/22

\+ sign 38.860+/-49.690 χ^2/NDF: 72.1/42

All: 125.249+/-34.633 χ^2/NDF: 128.9/88

\- sign 206.860+/-48.296 χ^2/NDF: 50.9/45

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: 180.211+/-0.052 χ^2/NDF: 6761227.6/22

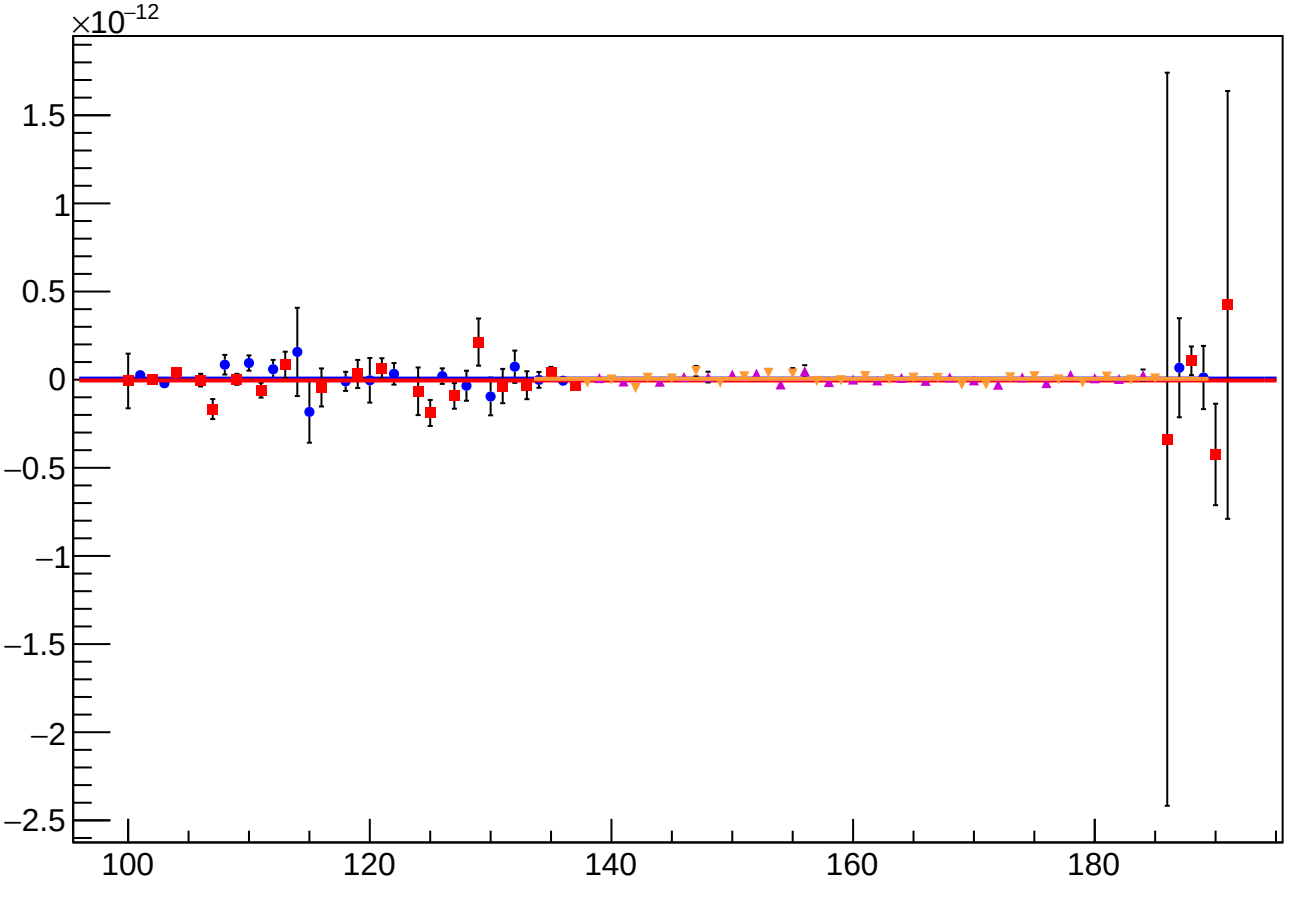
Left In: 269.898+/-0.045 χ^2/NDF:602244.3/22

+ sign 244.567+/-0.035 χ^2/NDF: 5794271.2/42

All: 238.004+/-0.024 χ^2/NDF: 14910813.8/88

- sign 231.803+/-0.034 χ^2/NDF: 9048680.6/45

asym_sam8_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 13.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:27.9/24

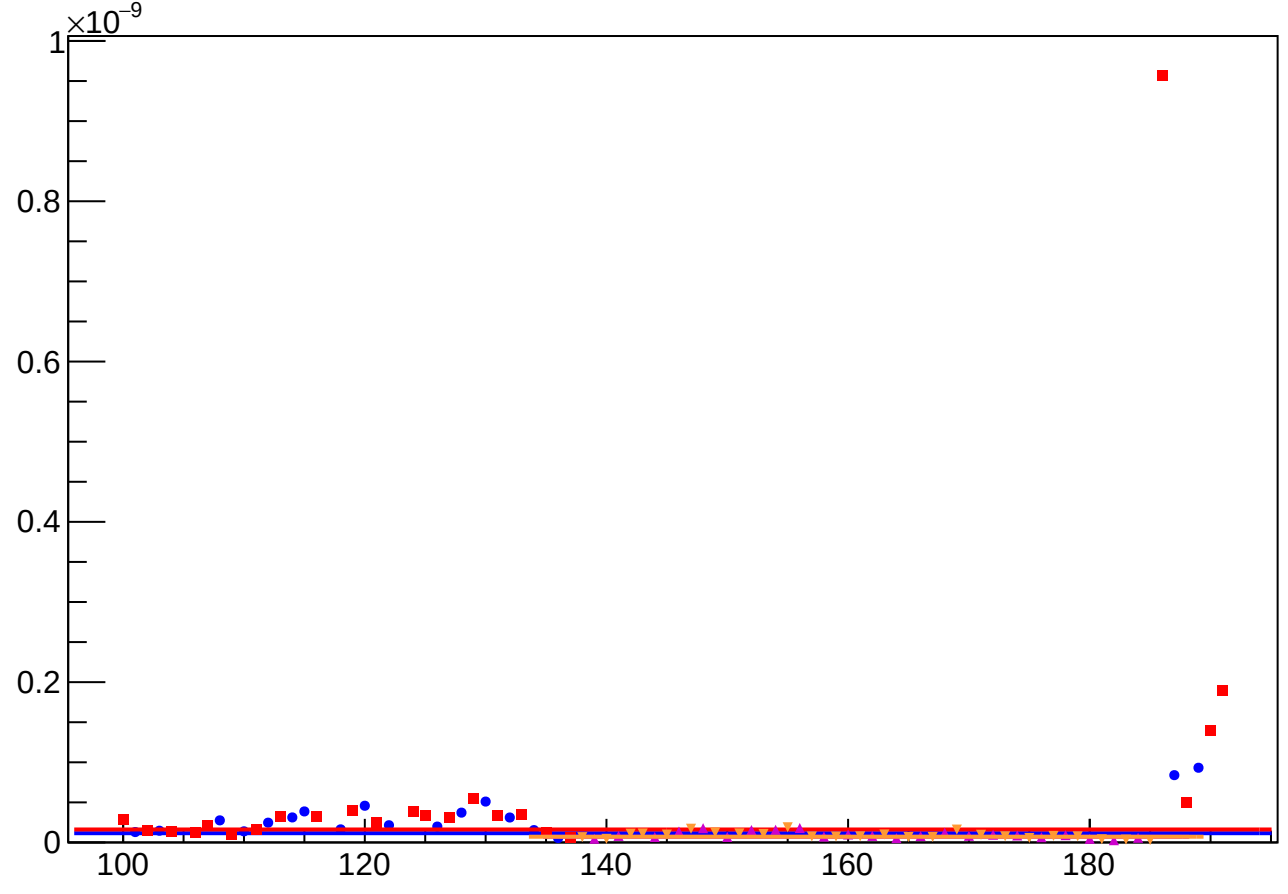
Right Out: -0.000+/-0.000 χ^2/NDF: 34.7/22

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: 98.9/88

- sign 0.000+/-0.000 χ^2/NDF: 56.7/45



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: 2619760.2/22

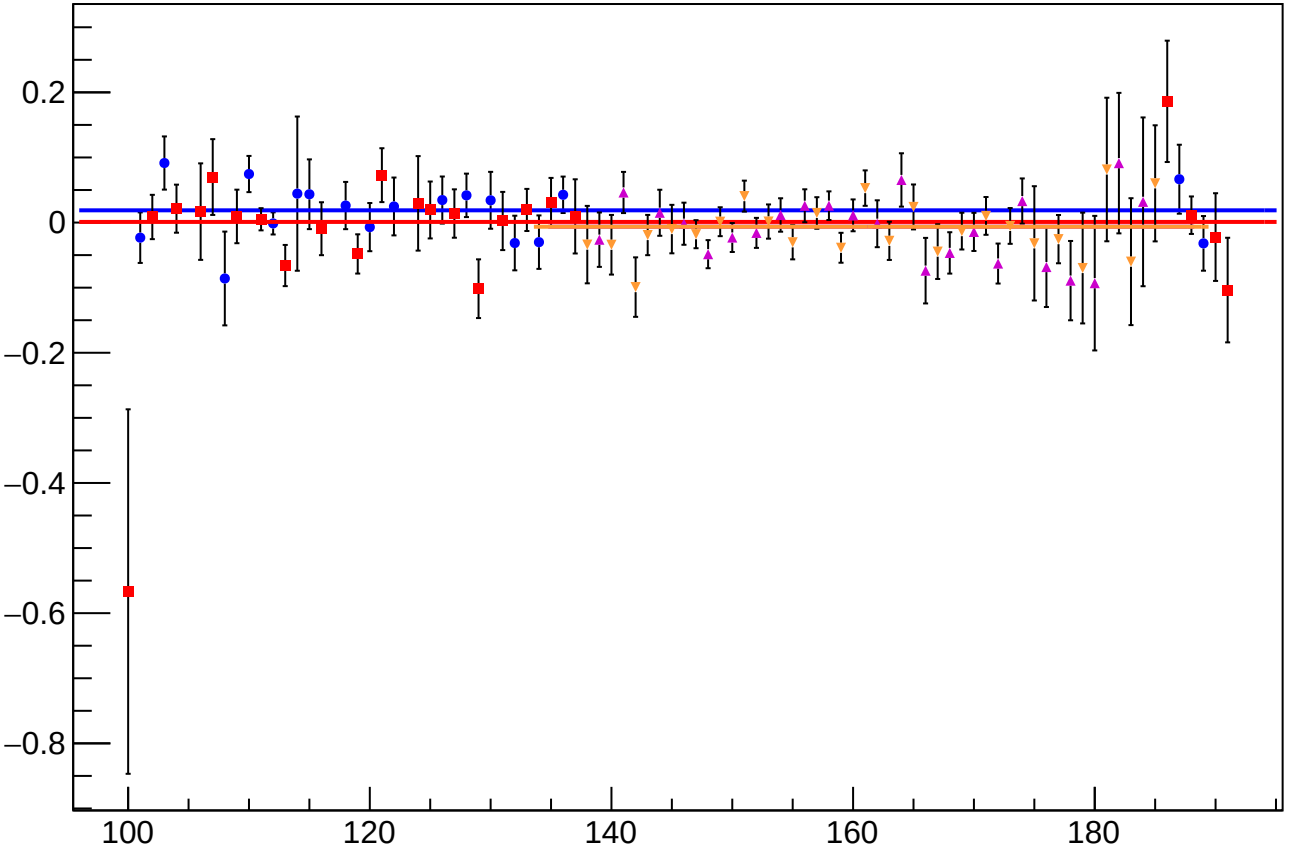
Left In: 0.000+/-0.000 χ^2/NDF:2053049.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 4790971.3/42

All: 0.000+/-0.000 χ^2/NDF: 10949609.0/88

- sign 0.000+/-0.000 χ^2/NDF: 6152660.4/45

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: 0.001+/-0.008 χ^2/NDF: 28.8/22

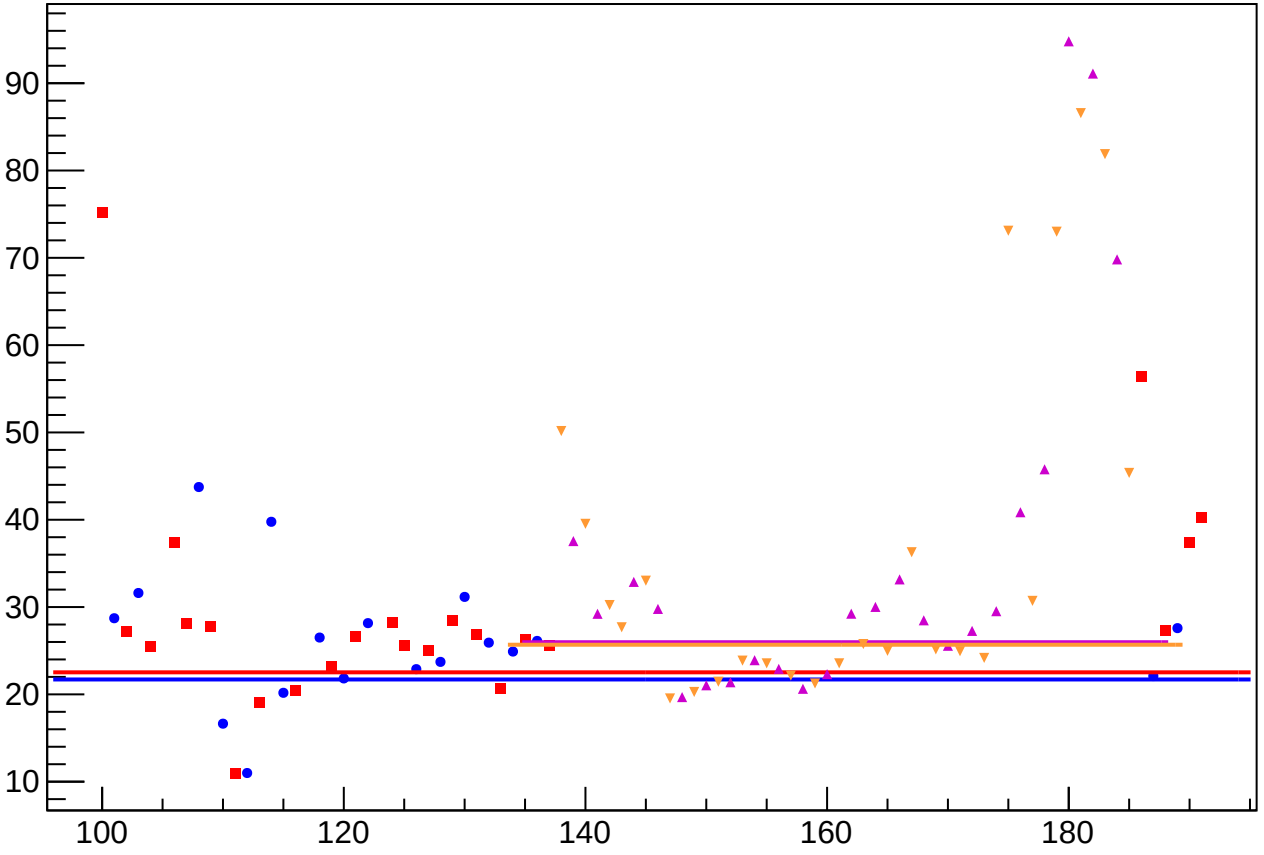
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.003+/-0.005 χ^2/NDF: 47.6/42

All: -0.000+/-0.004 χ^2/NDF: 106.0/88

- sign -0.003+/-0.005 χ^2/NDF: 57.7/45

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

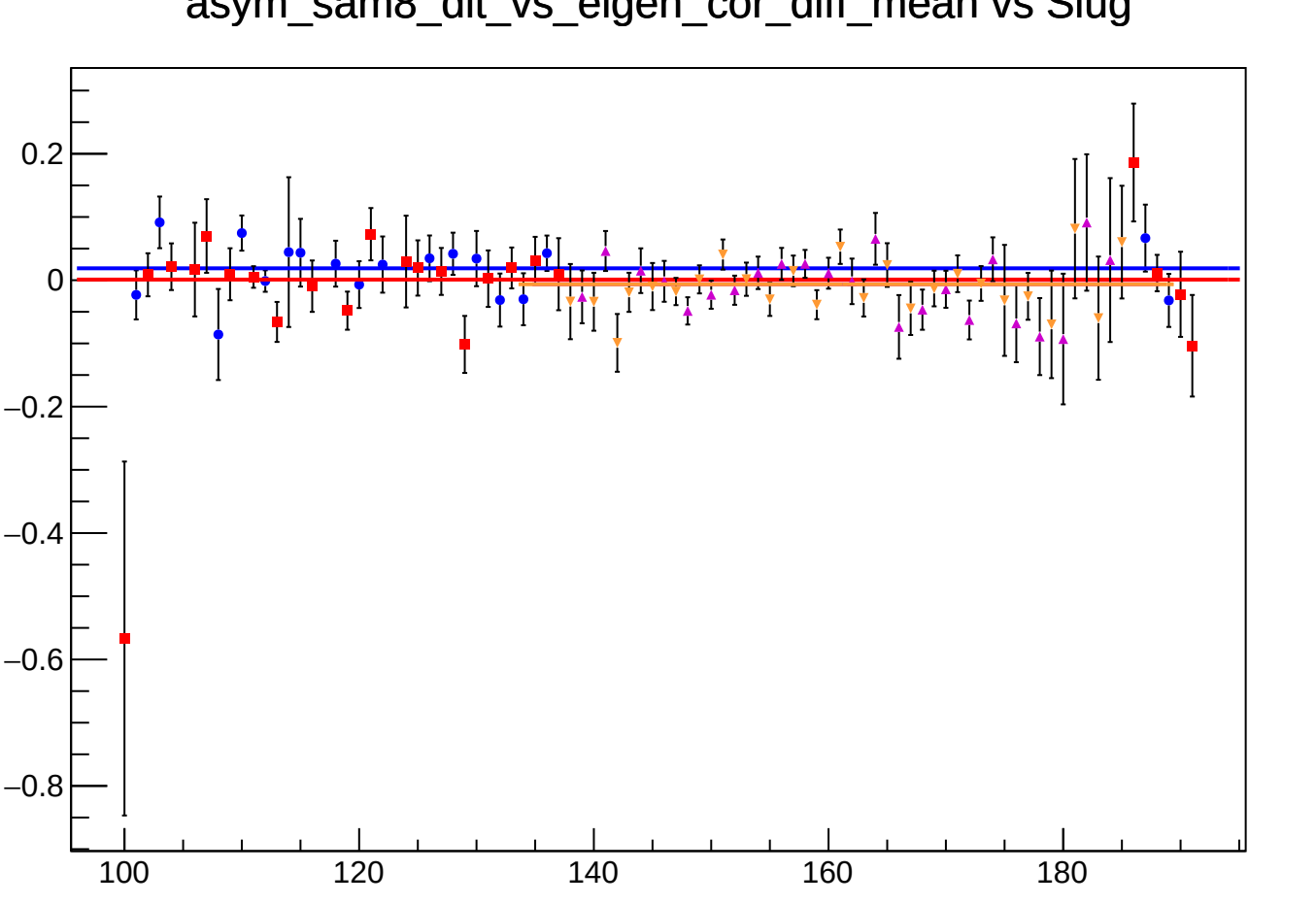
Right Out: 22.524+/-0.006 χ^2/NDF: 1861112.1/22

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

+ sign 24.224+/-0.004 χ^2/NDF: 5737661.2/42

All: 24.399+/-0.003 χ^2/NDF: 10941230.5/88

- sign 24.575+/-0.004 χ^2/NDF: 5198850.9/45



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: 0.001+/-0.008 χ^2/NDF: 28.8/22

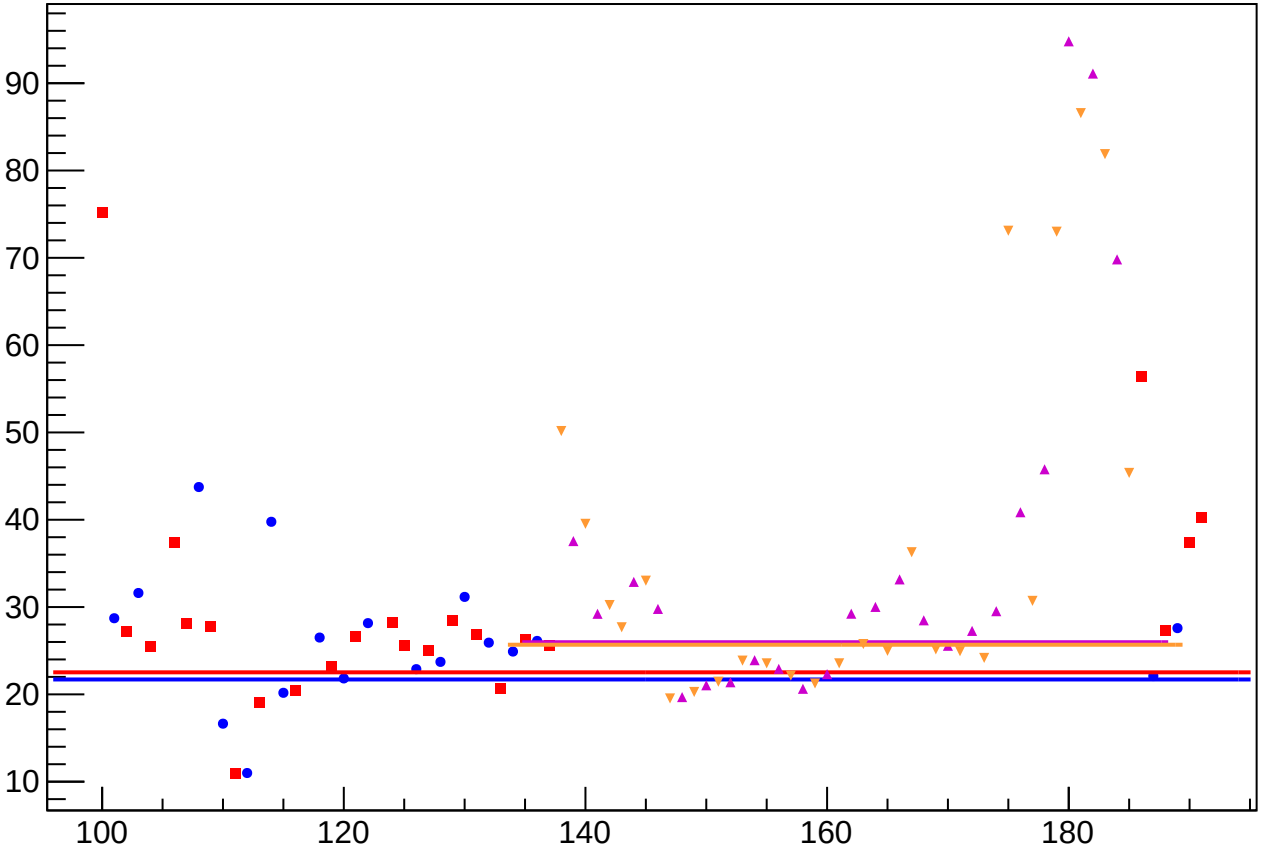
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.003+/-0.005 χ^2/NDF: 47.6/42

All: -0.000+/-0.004 χ^2/NDF: 106.0/88

- sign -0.003+/-0.005 χ^2/NDF: 57.7/45

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

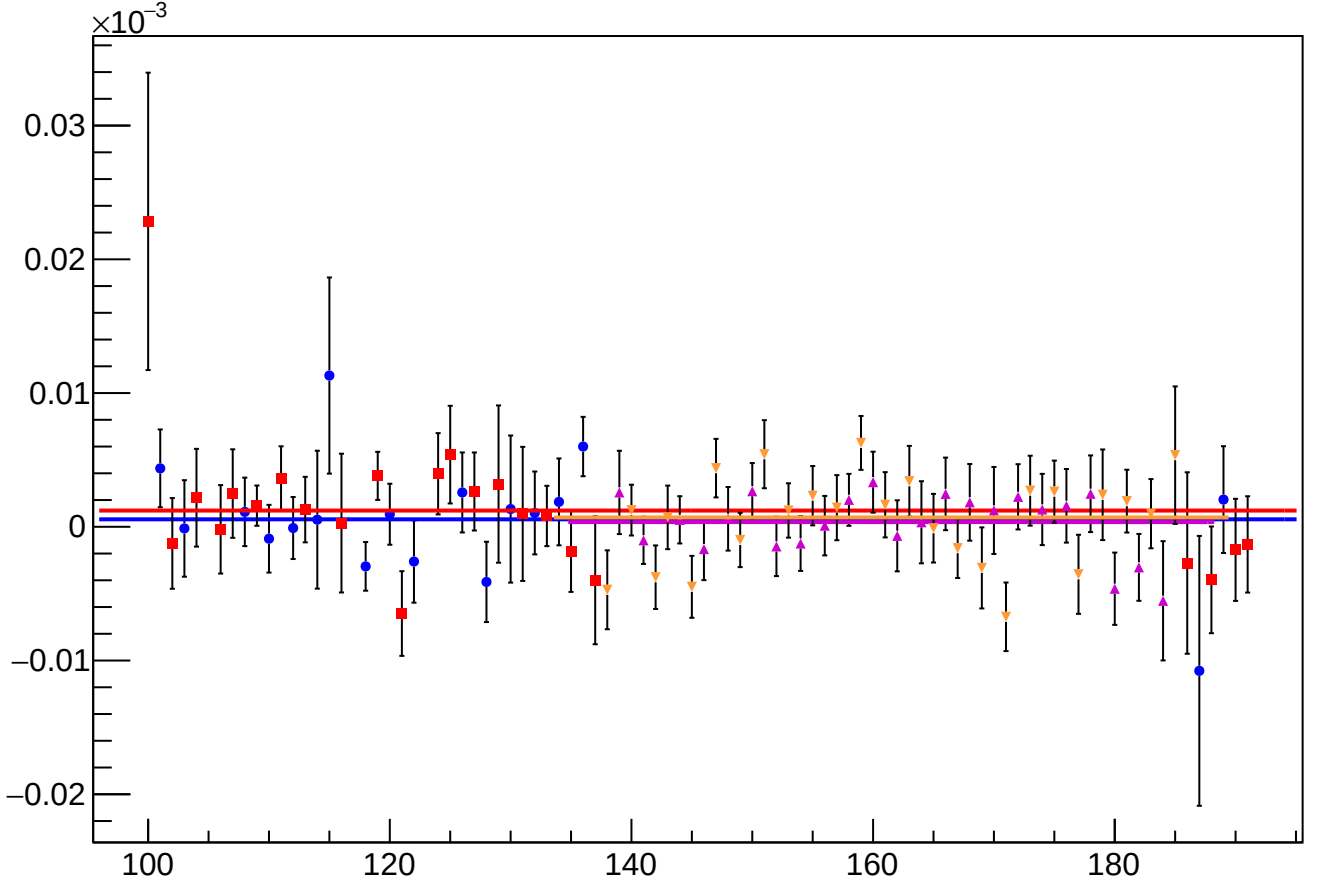
Right Out: 22.524+/-0.006 χ^2/NDF: 1861112.1/22

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

+ sign 24.224+/-0.004 χ^2/NDF: 5737661.2/42

All: 24.399+/-0.003 χ^2/NDF: 10941230.5/88

- sign 24.575+/-0.004 χ^2/NDF: 5198850.9/45



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: 21.7/22

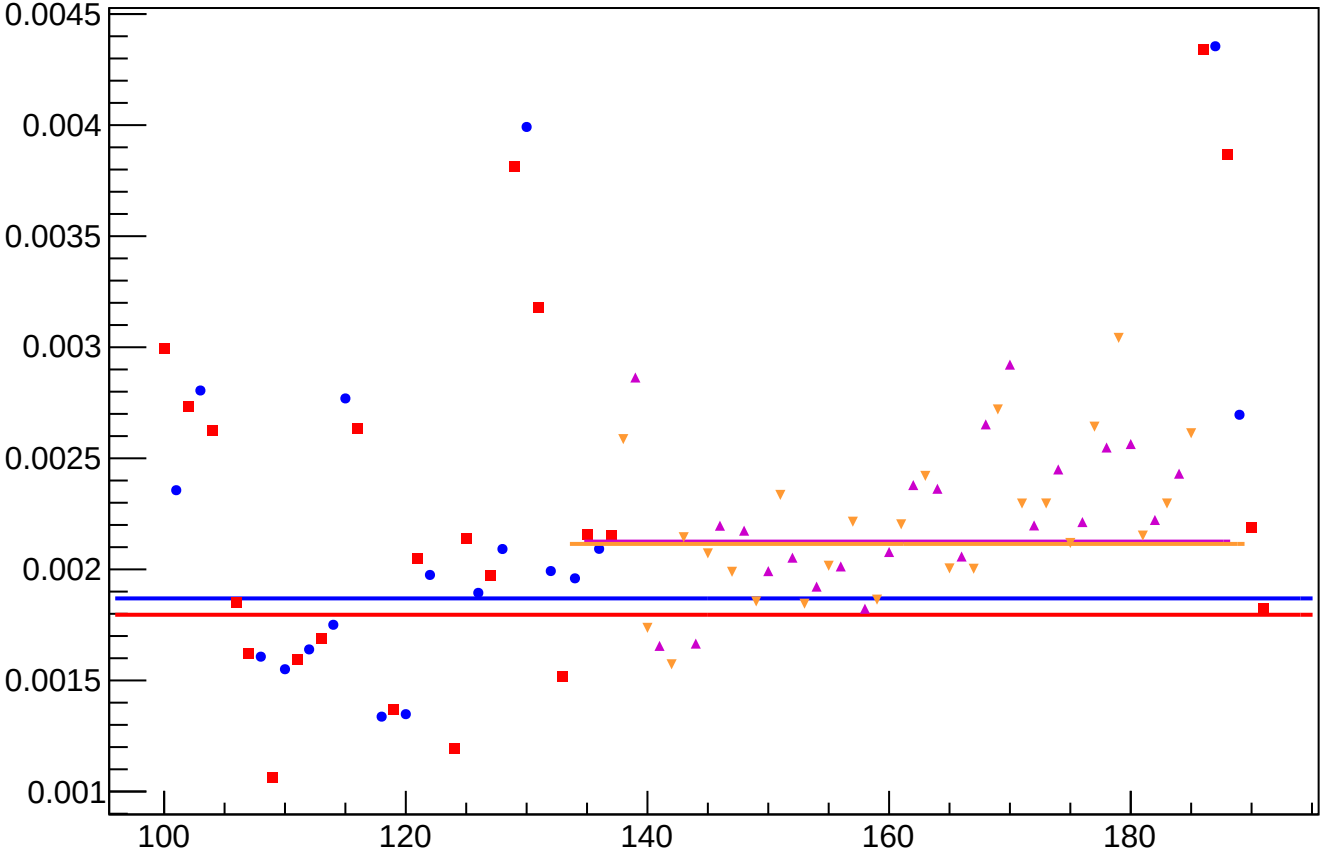
Left In: 0.000+/-0.000 χ^2/NDF:16.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.0/42

All: 0.000+/-0.000 χ^2/NDF: 103.2/88

- sign 0.000+/-0.000 χ^2/NDF: 39.2/45

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

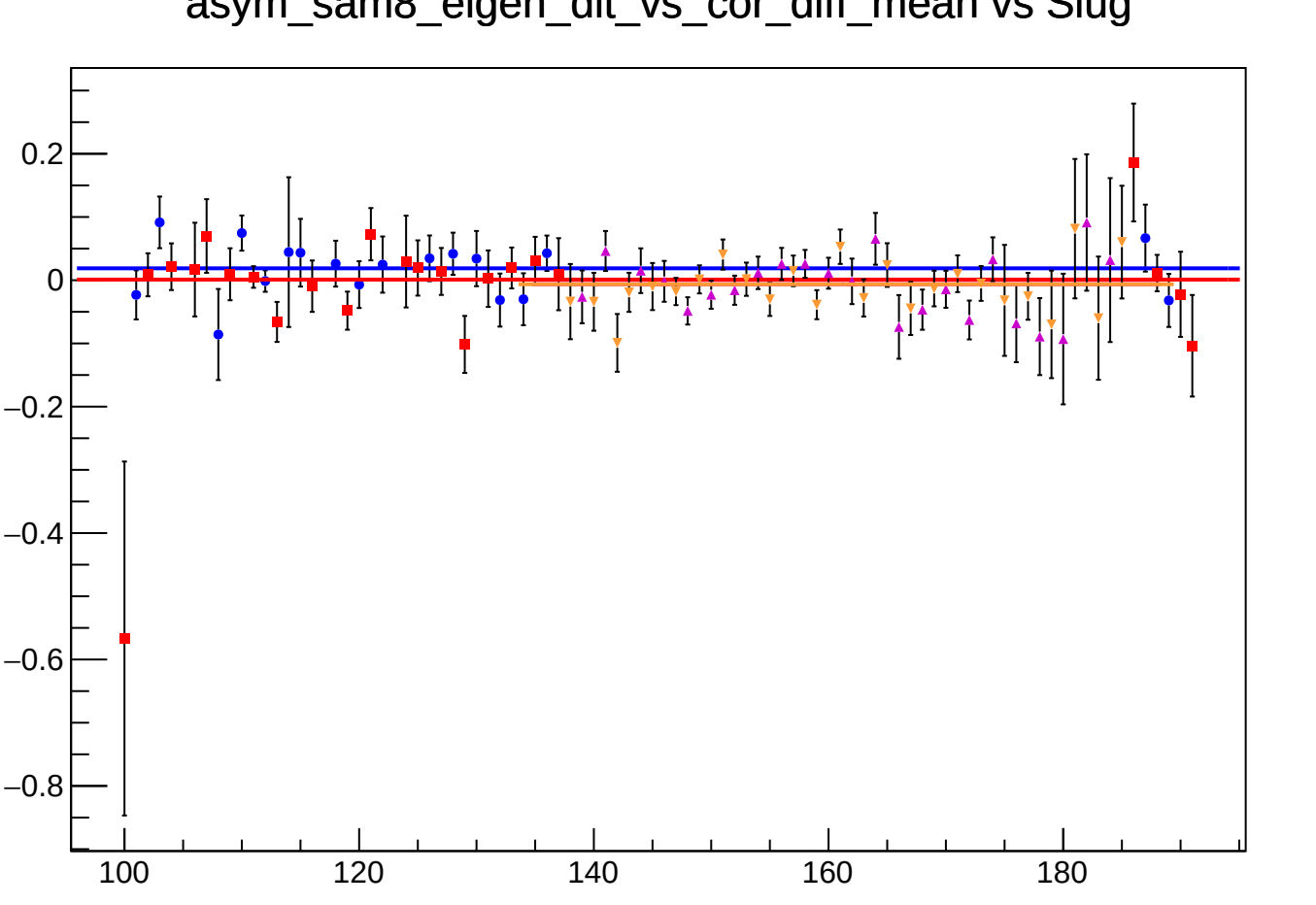
Right Out: 0.002+/-0.000 χ^2/NDF: 2359055.0/22

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: 5565034.9/88

- sign 0.002+/-0.000 χ^2/NDF: 3531372.4/45



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: 0.001+/-0.008 χ^2/NDF: 28.8/22

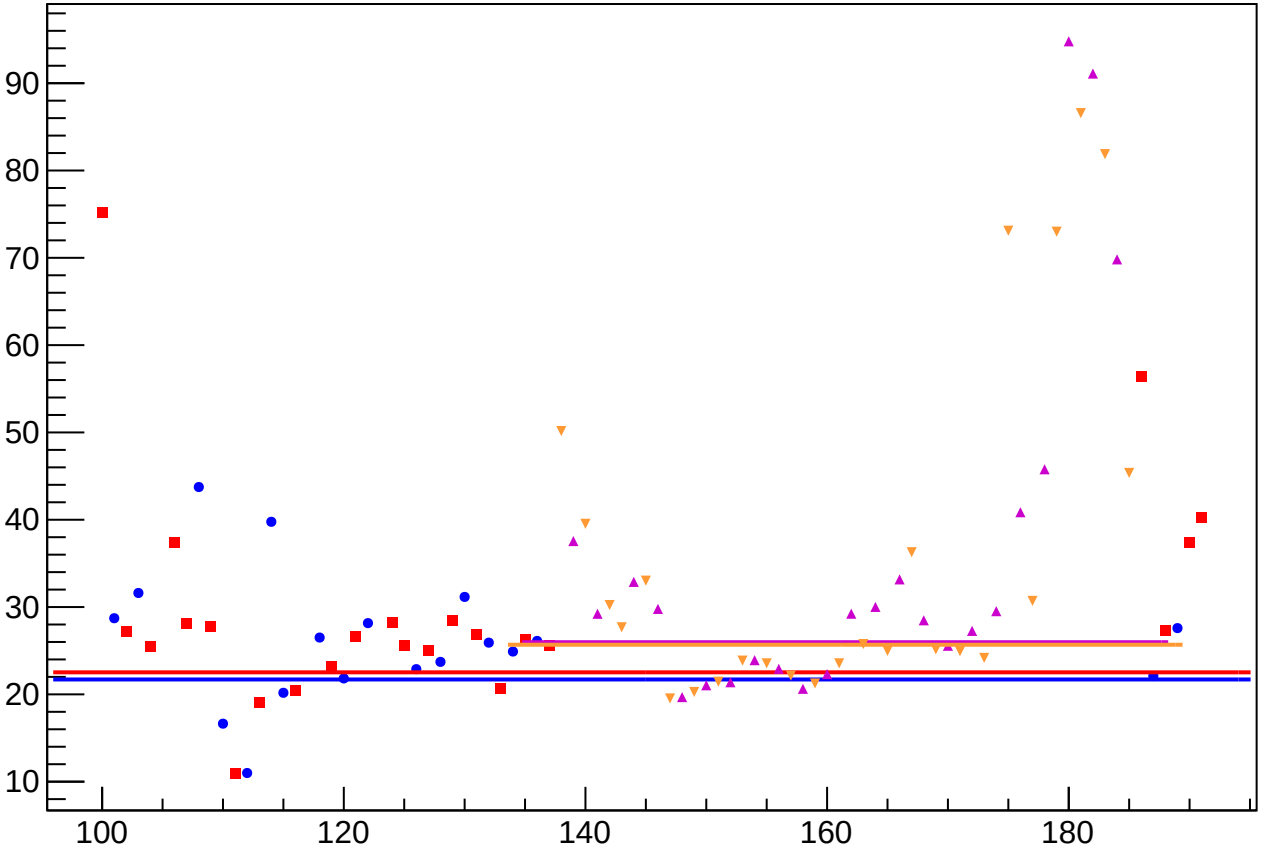
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.003+/-0.005 χ^2/NDF: 47.6/42

All: -0.000+/-0.004 χ^2/NDF: 106.0/88

- sign -0.003+/-0.005 χ^2/NDF: 57.7/45

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

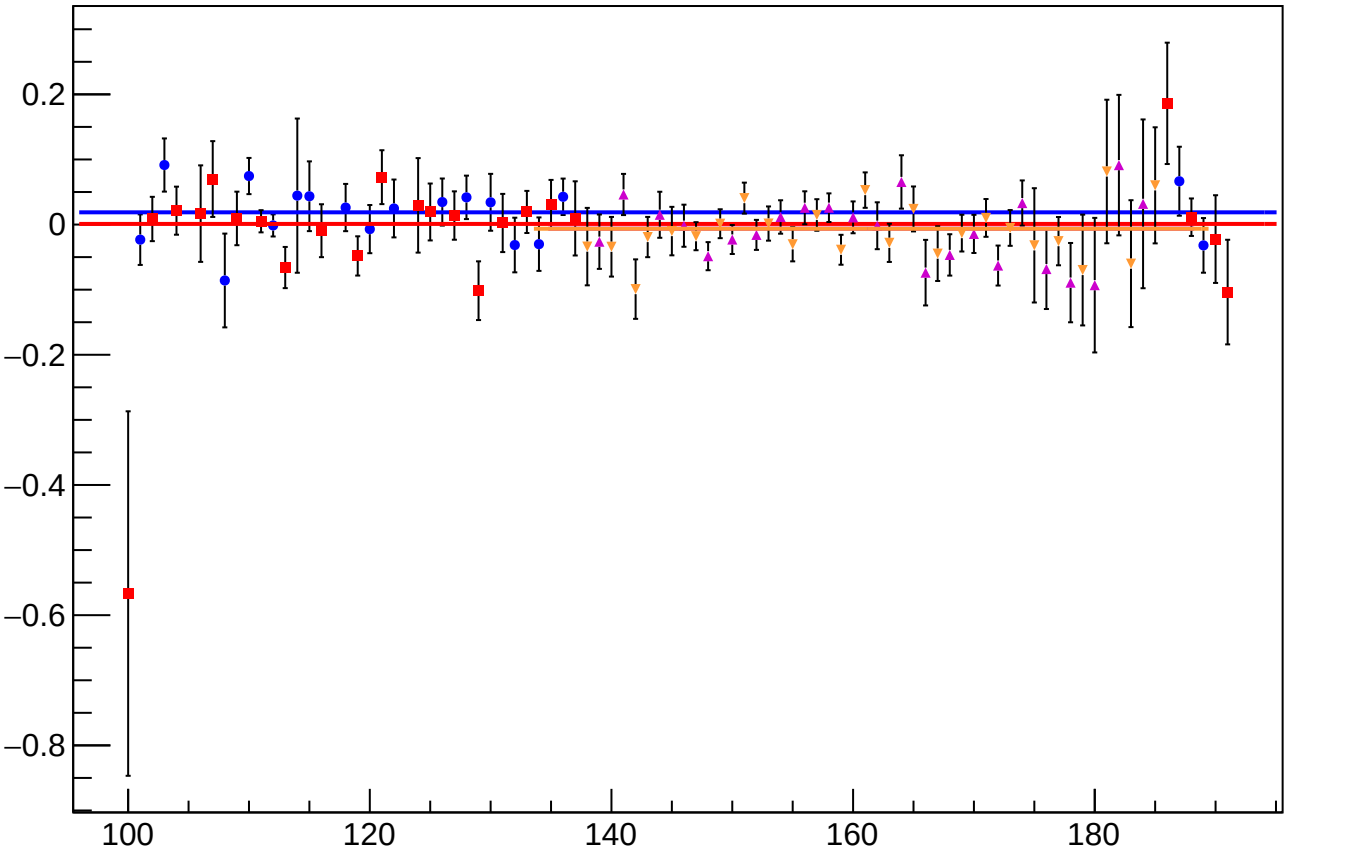
Right Out: 22.523+/-0.006 χ^2/NDF: 1861251.3/22

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

\+ sign 24.224+/-0.004 χ^2/NDF: 5737933.9/42

All: 24.399+/-0.003 χ^2/NDF: 10941729.4/88

\- sign 24.574+/-0.004 χ^2/NDF: 5199078.6/45



Right In: 0.019+/-0.008 χ^2/NDF: 19.3/17

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

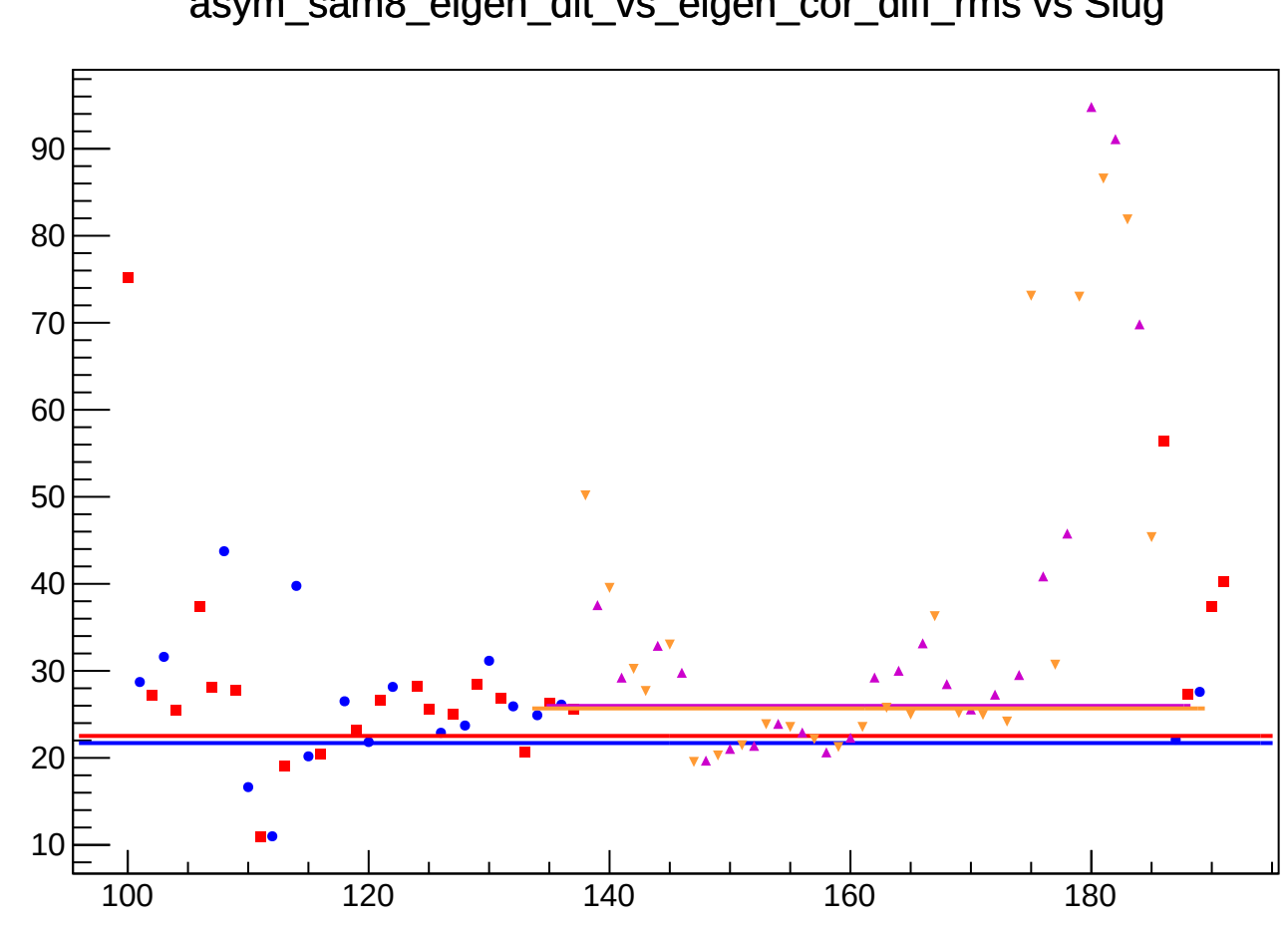
Right Out: 0.001+/-0.008 χ^2/NDF: 28.8/22

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: 106.0/88

- sign -0.003+/-0.005 χ^2/NDF: 57.7/45



Right In: 21.705+/-0.006 χ^2/NDF: 1582055.7/17

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

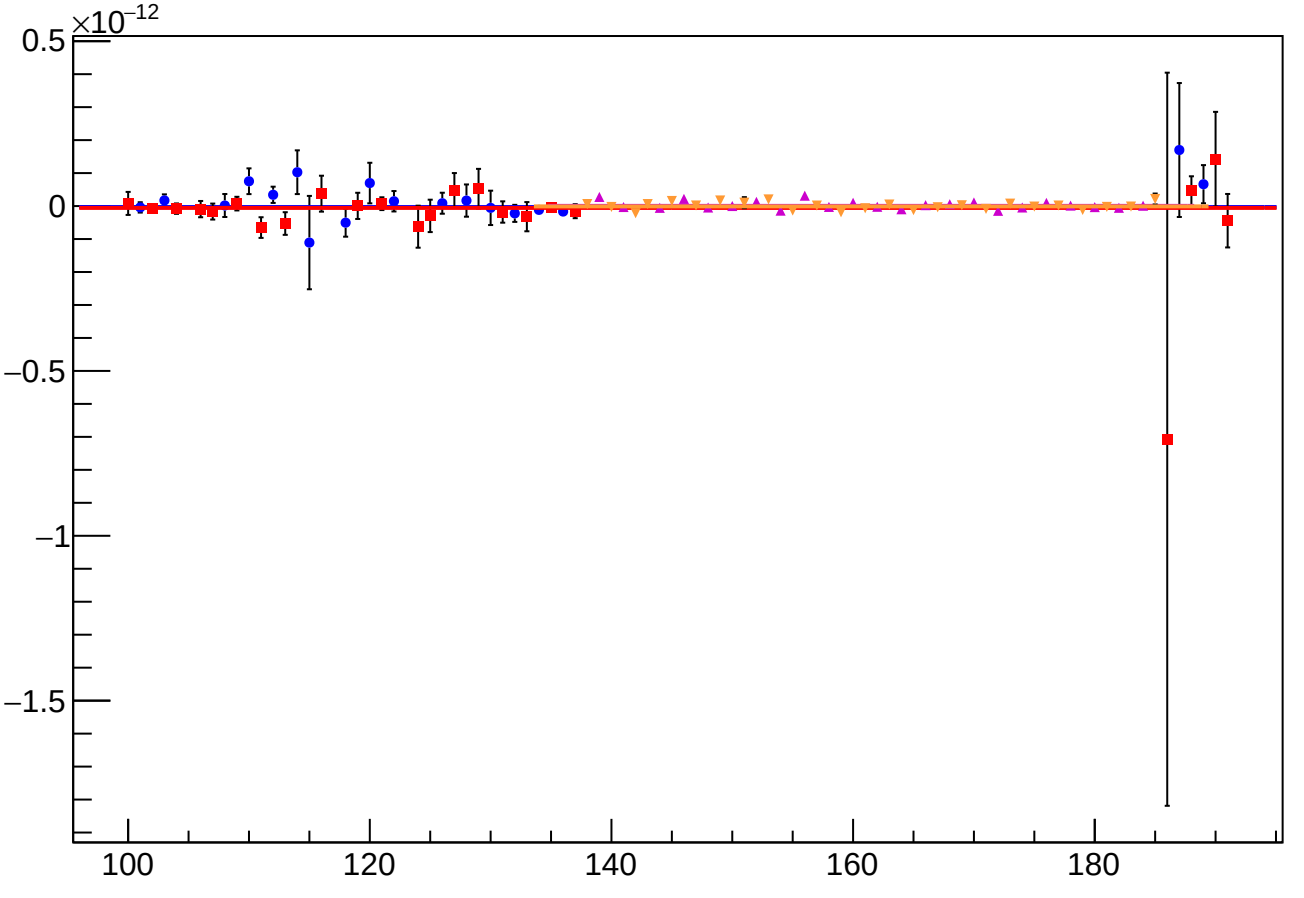
Right Out: 22.523+/-0.006 χ^2/NDF: 1861251.3/22

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

+ sign 24.224+/-0.004 χ^2/NDF: 5737933.9/42

All: 24.399+/-0.003 χ^2/NDF: 10941729.4/88

- sign 24.574+/-0.004 χ^2/NDF: 5199078.6/45



Right In: -0.000+/-0.000 χ^2/NDF: 19.4/17

Left Out: -0.000+/-0.000 χ^2/NDF:28.8/24

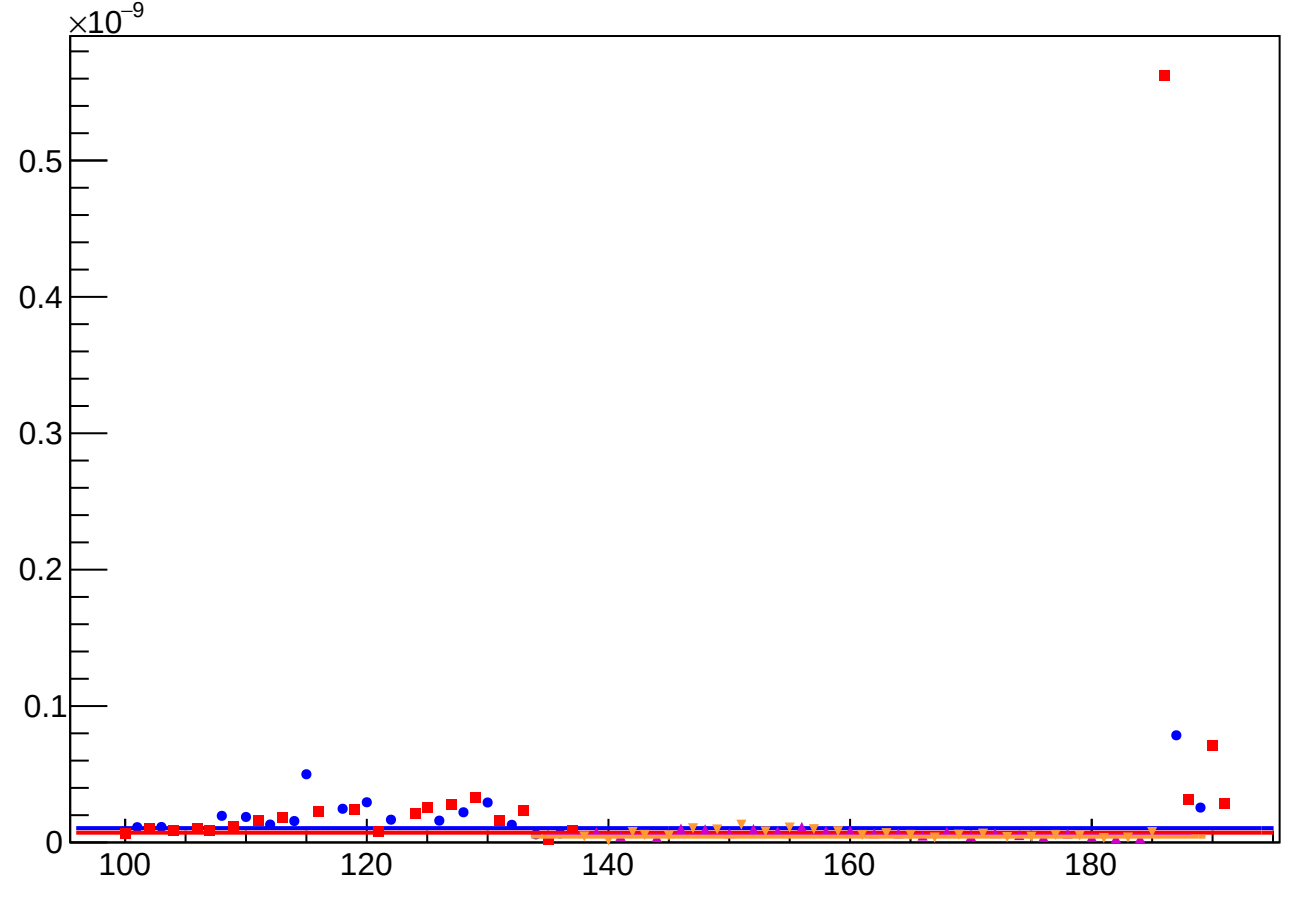
Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/22

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: 94.2/88

- sign -0.000+/-0.000 χ^2/NDF: 45.7/45



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: 5653187.2/22

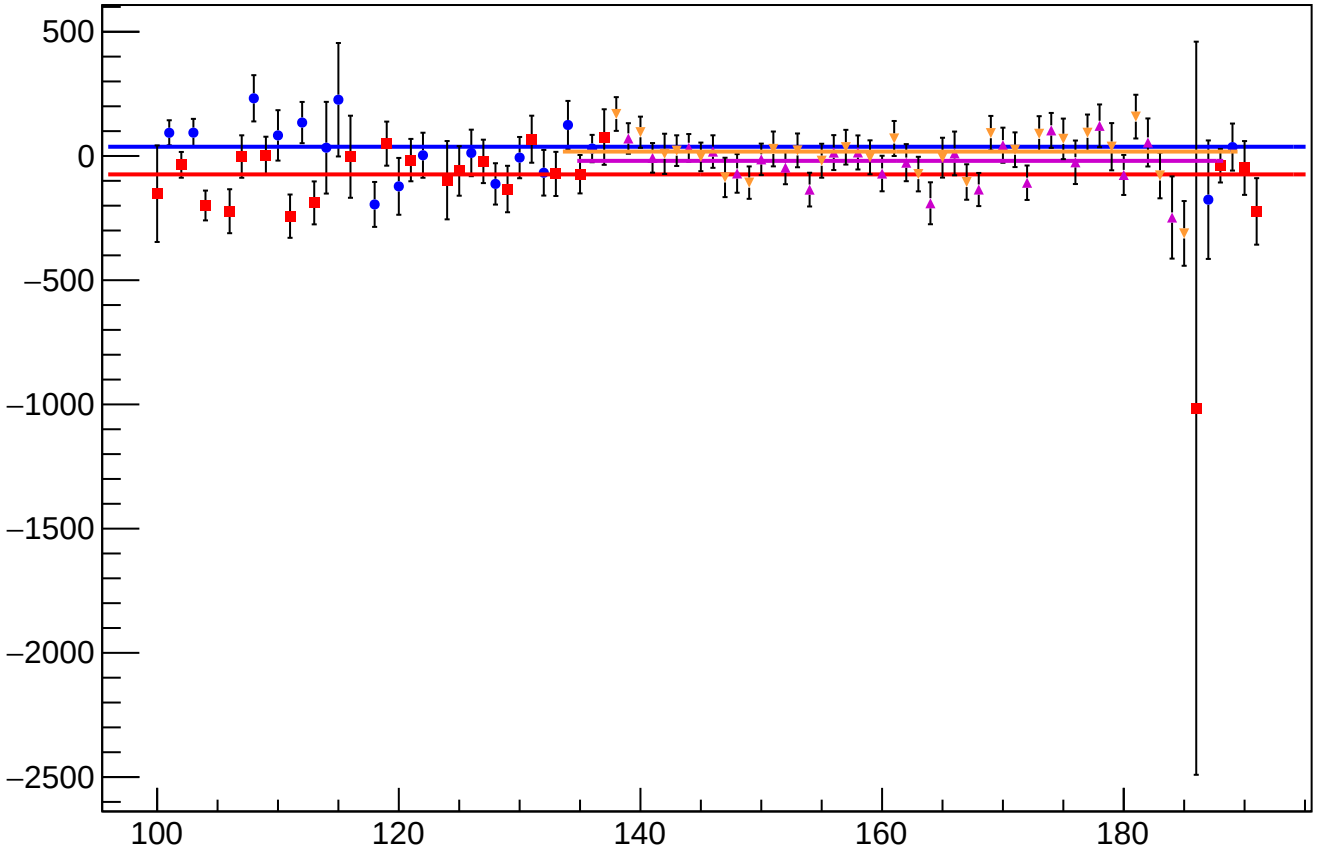
Left In: 0.000+/-0.000 χ^2/NDF:2811616.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 10163782.1/42

All: 0.000+/-0.000 χ^2/NDF: 19414668.6/88

- sign 0.000+/-0.000 χ^2/NDF: 8741064.9/45

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: -74.138+/-18.529 χ^2/NDF: 24.4/22

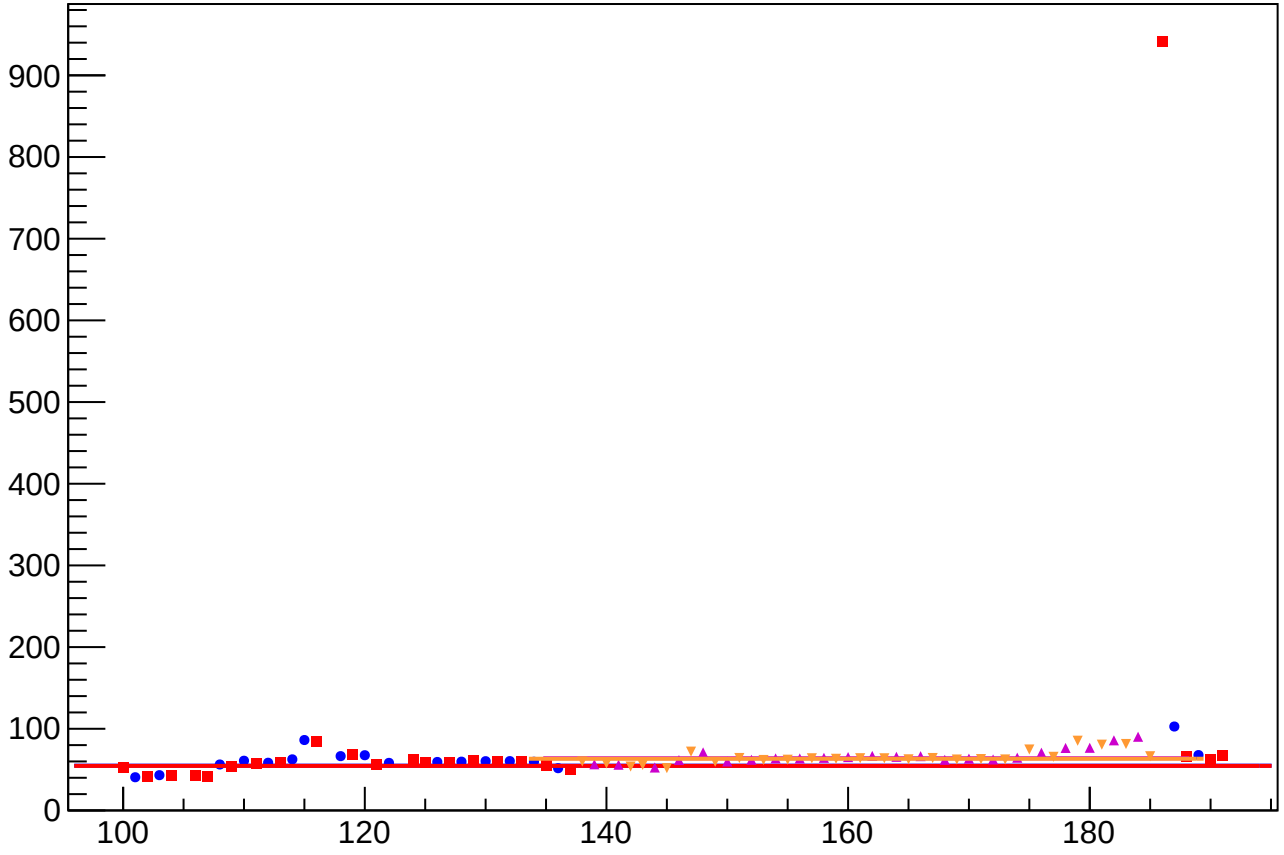
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 24.519+/-11.713 χ^2/NDF: 56.3/42

All: -8.485+/-8.270 χ^2/NDF: 128.0/88

- sign -41.286+/-11.678 χ^2/NDF: 55.9/45

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: 54.546+/-0.013 χ^2/NDF: 1244401.0/22

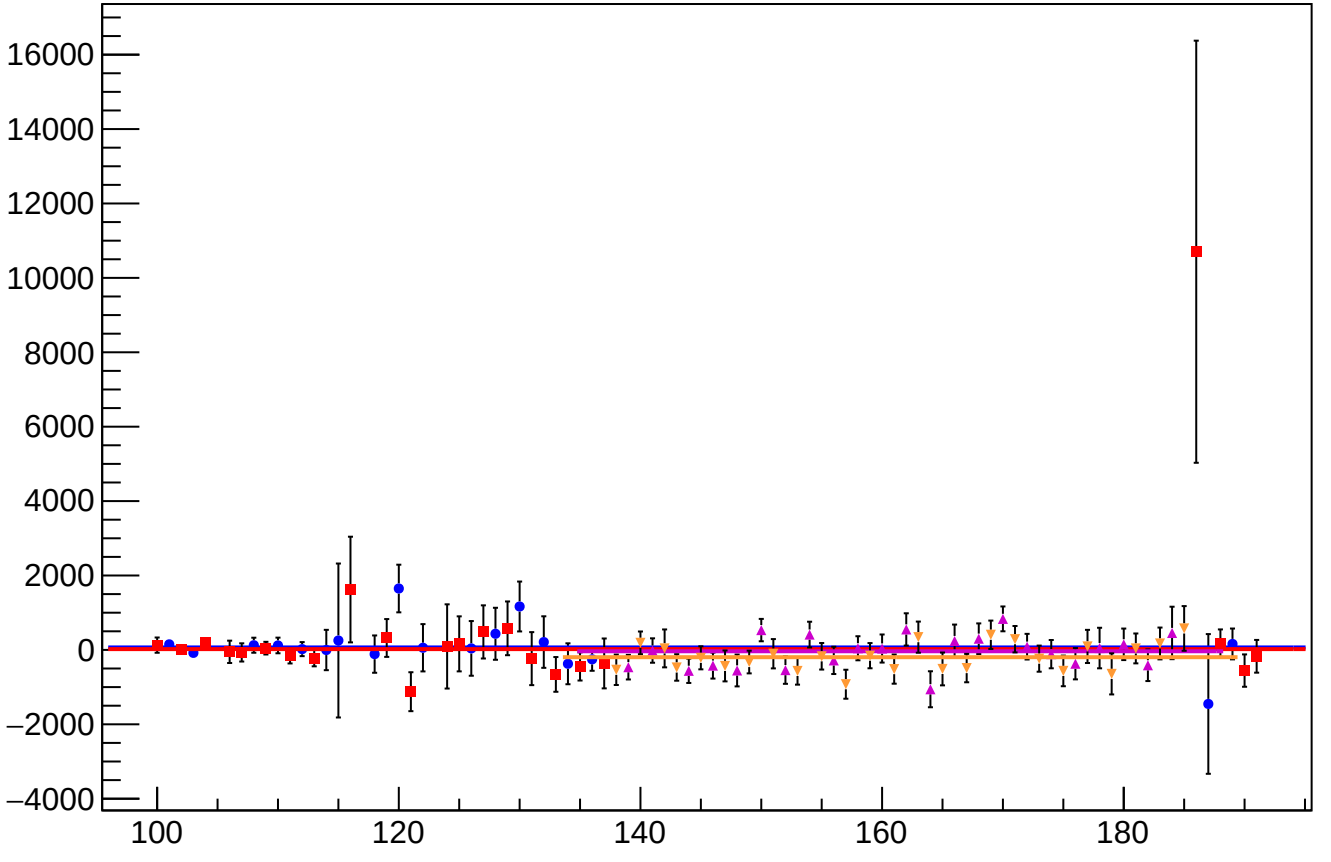
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 60.381+/-0.008 χ^2/NDF: 1248796.6/42

All: 60.288+/-0.006 χ^2/NDF: 3247232.6/88

- sign 60.196+/-0.008 χ^2/NDF: 1998184.5/45

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: 21.434+/-49.194 χ^2/NDF: 23.7/22

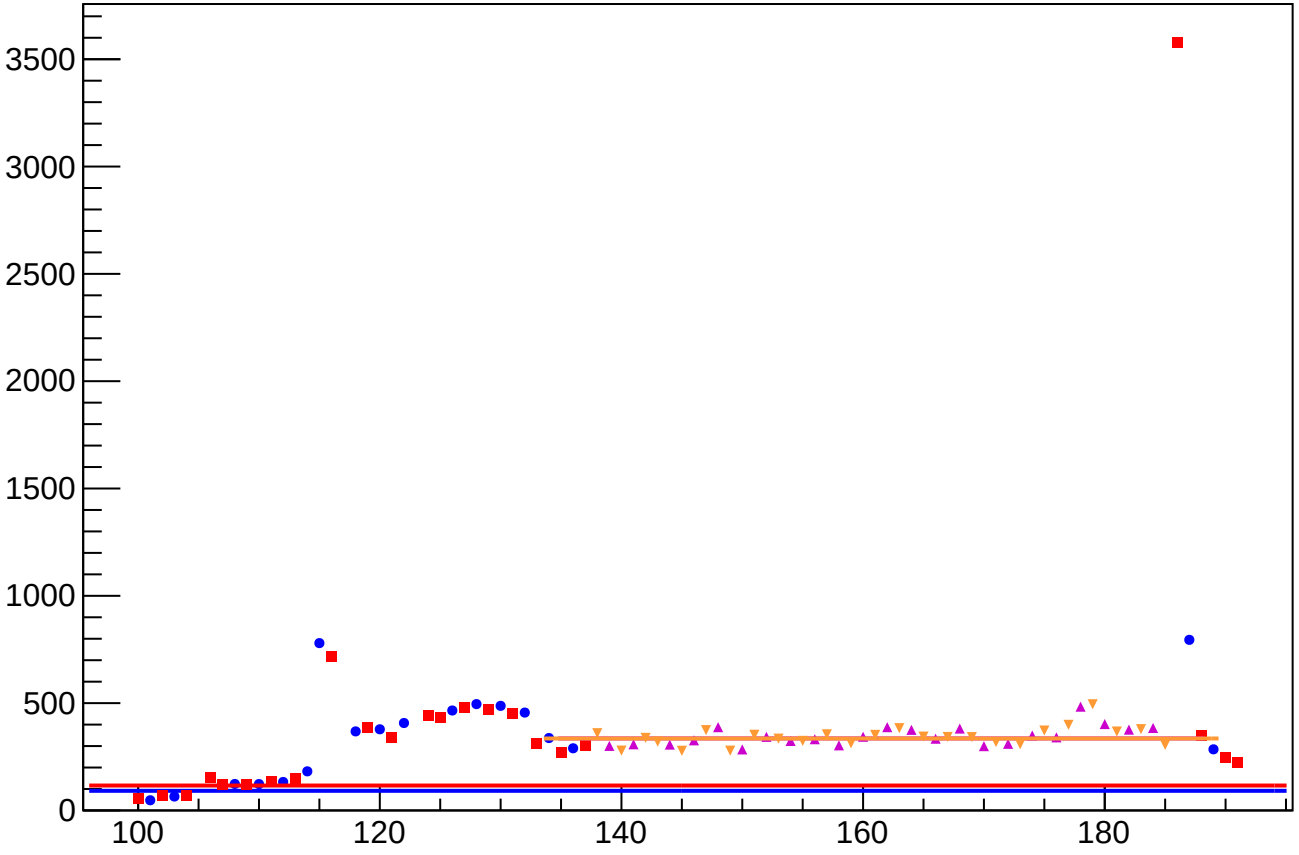
Left In: -36.417+/-79.210 χ^2/NDF:31.1/22

+ sign -3.094+/-39.613 χ^2/NDF: 45.5/42

All: 0.893+/-28.749 χ^2/NDF: 100.7/88

- sign 5.331+/-41.790 χ^2/NDF: 55.2/45

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: 116.131+/-0.035 χ^2/NDF: 7246750.3/22

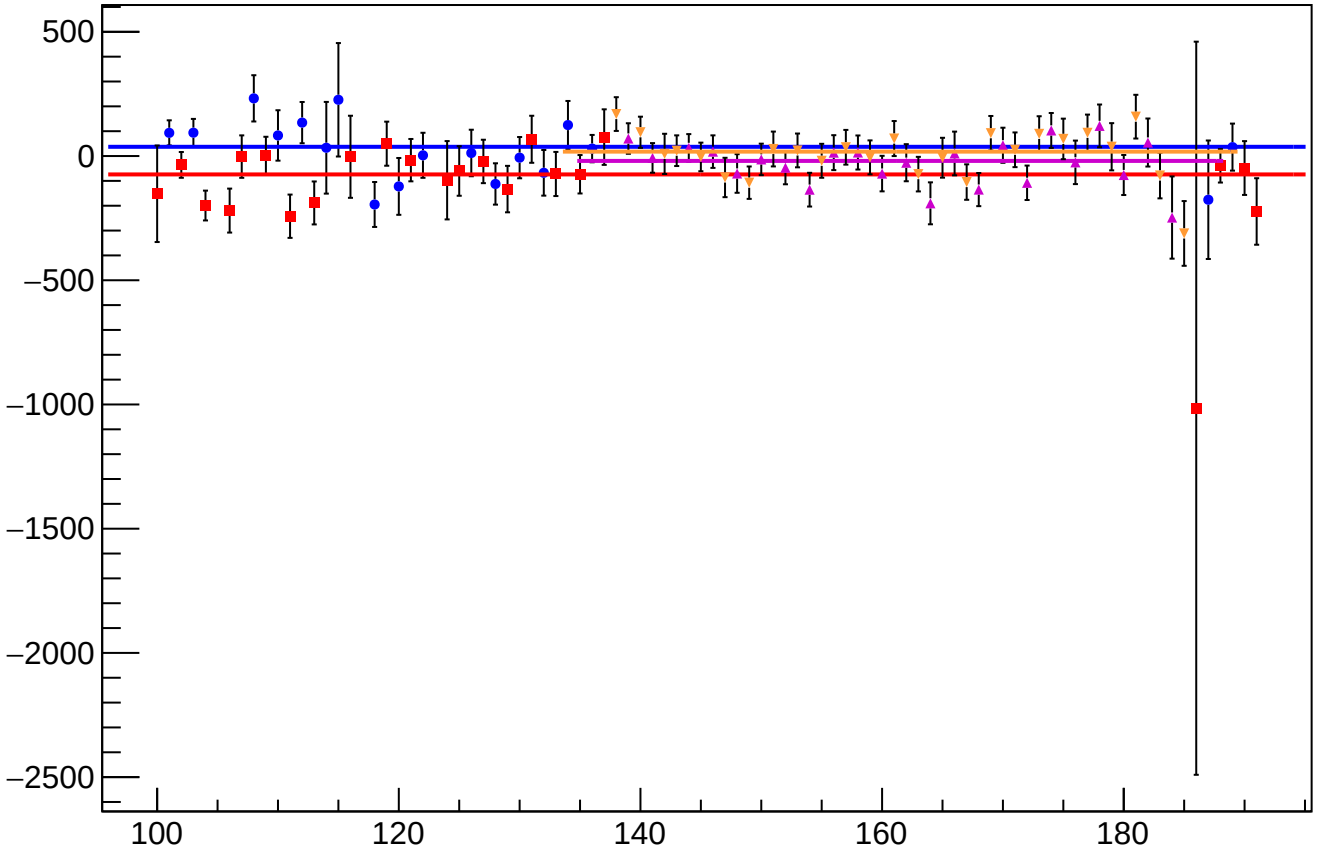
Left In: 335.526+/-0.056 χ^2/NDF:495163.6/22

+ sign 155.881+/-0.028 χ^2/NDF: 22651189.9/42

All: 165.970+/-0.020 χ^2/NDF: 41739914.6/88

- sign 177.199+/-0.030 χ^2/NDF: 18814594.9/45

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: -74.018+/-18.531 χ^2/NDF: 24.3/22

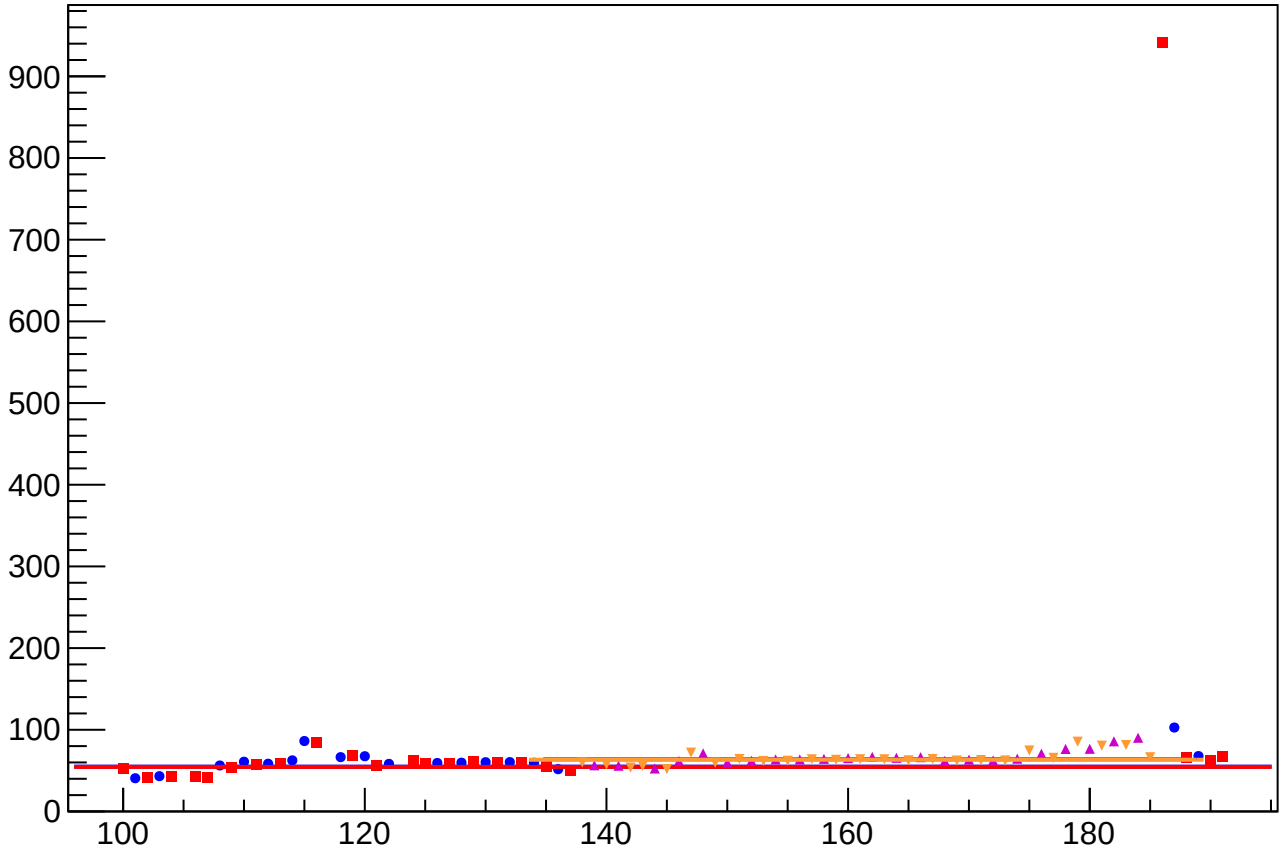
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 24.525+/-11.713 χ^2/NDF: 56.3/42

All: -8.456+/-8.270 χ^2/NDF: 127.8/88

- sign -41.237+/-11.678 χ^2/NDF: 55.7/45

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: 54.544+/-0.013 χ^2/NDF: 1244744.5/22

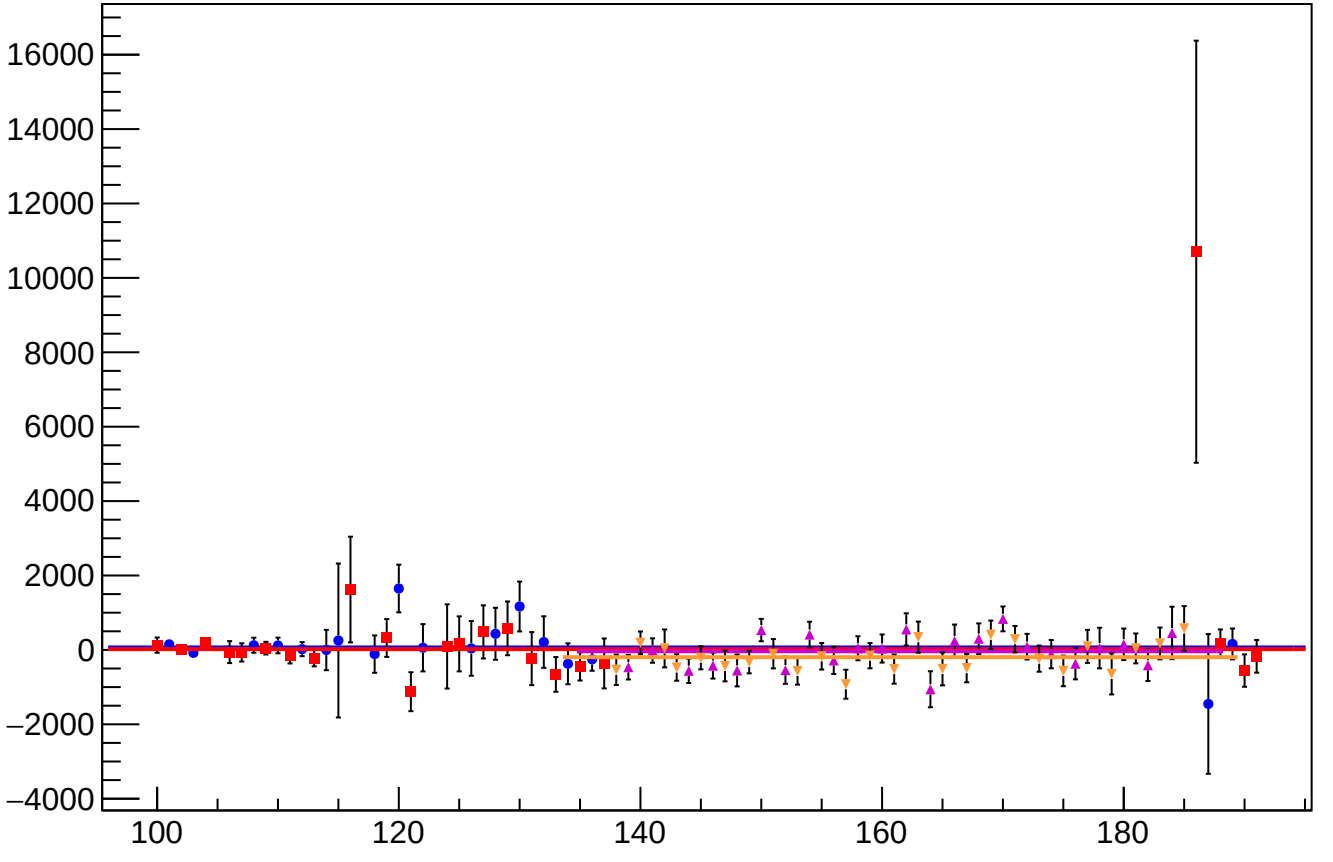
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 60.381+/-0.008 χ^2/NDF: 1248795.5/42

All: 60.288+/-0.006 χ^2/NDF: 3247669.2/88

- sign 60.195+/-0.008 χ^2/NDF: 1998621.0/45

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: 21.020+/-49.154 χ^2/NDF: 23.7/22

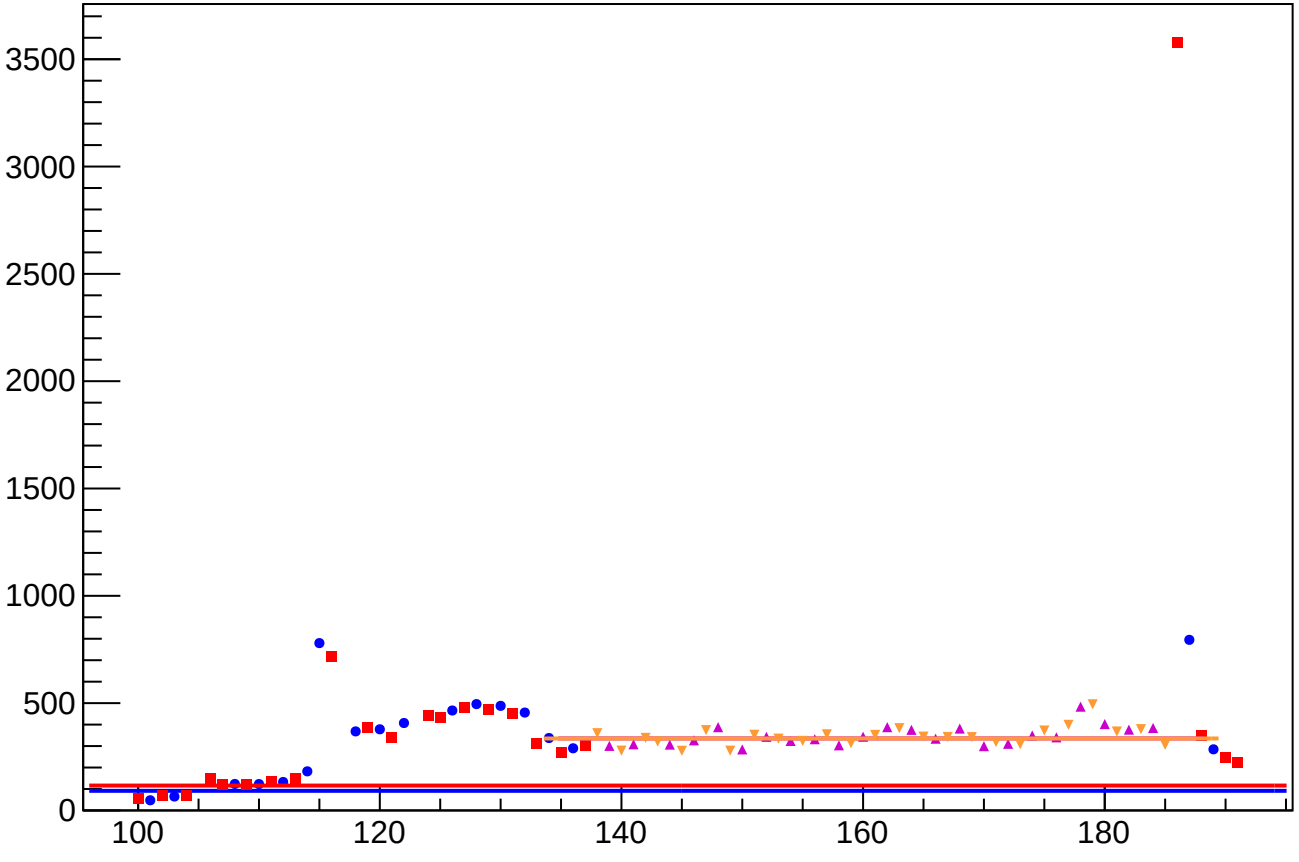
Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

+ sign -3.088+/-39.612 χ^2/NDF: 45.5/42

All: 0.767+/-28.741 χ^2/NDF: 100.7/88

- sign 5.052+/-41.765 χ^2/NDF: 55.2/45

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: 115.948+/-0.035 χ^2/NDF: 7241039.2/22

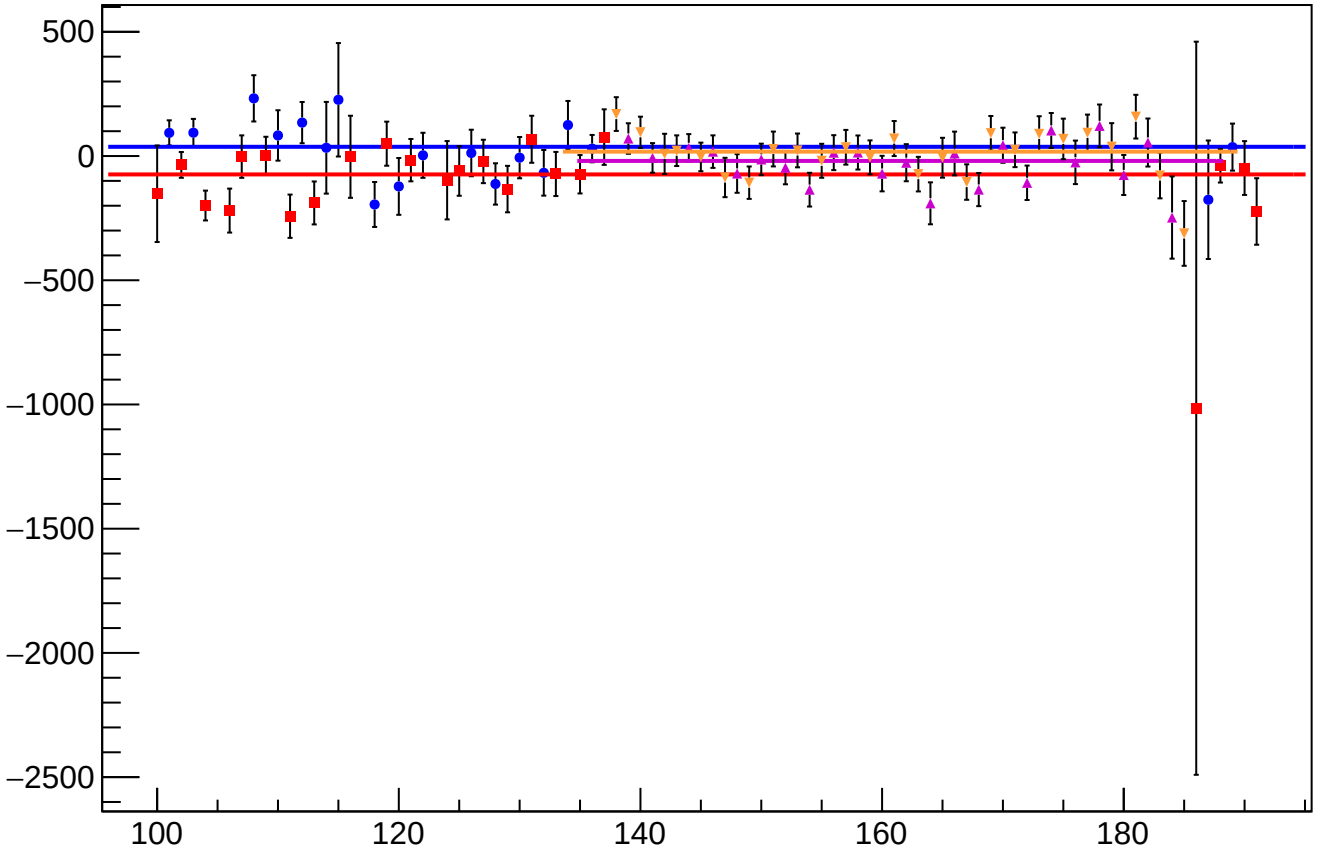
Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 155.877+/-0.028 χ^2/NDF: 22651773.5/42

All: 165.878+/-0.020 χ^2/NDF: 41753380.6/88

- sign 176.995+/-0.030 χ^2/NDF: 18832432.1/45

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: -74.018+/-18.531 χ^2/NDF: 24.3/22

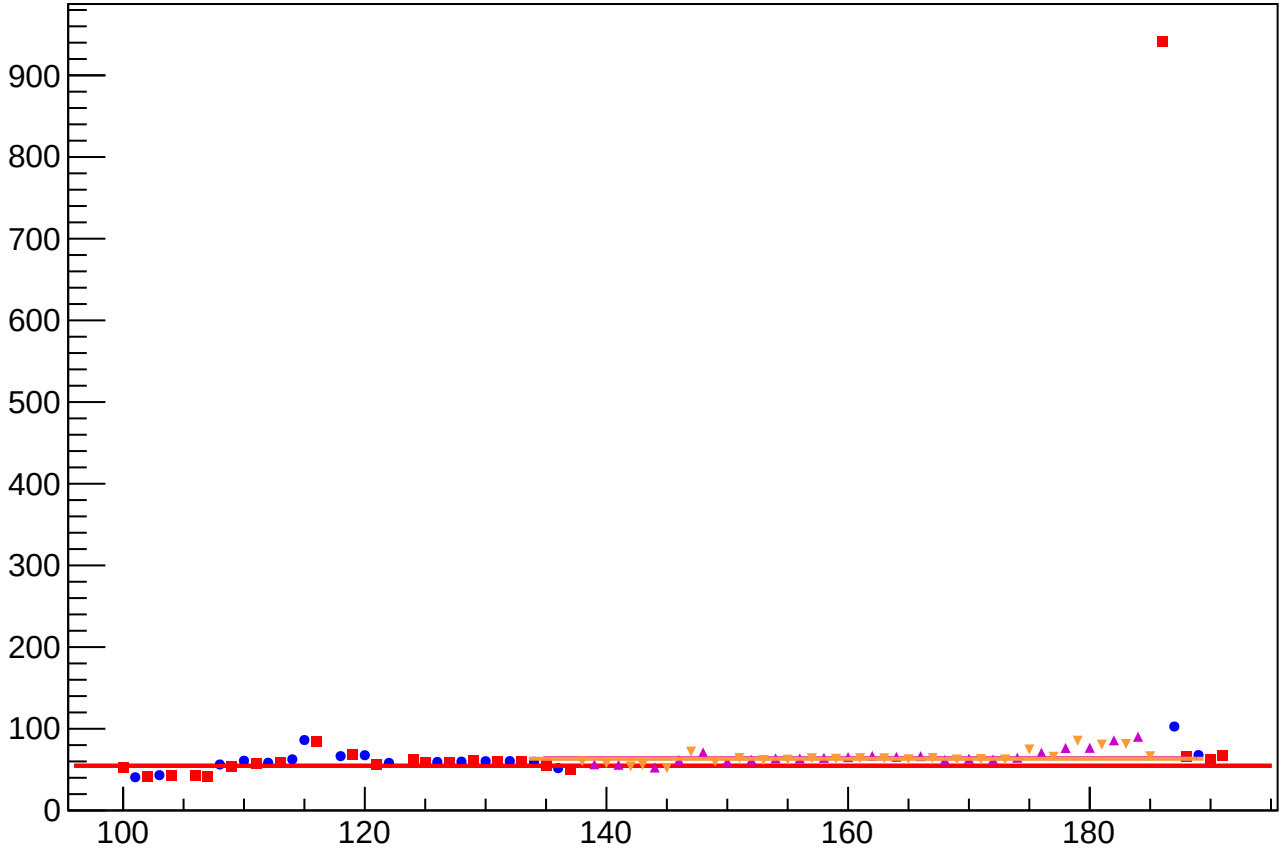
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 24.525+/-11.713 χ^2/NDF: 56.3/42

All: -8.456+/-8.270 χ^2/NDF: 127.8/88

- sign -41.237+/-11.678 χ^2/NDF: 55.7/45

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

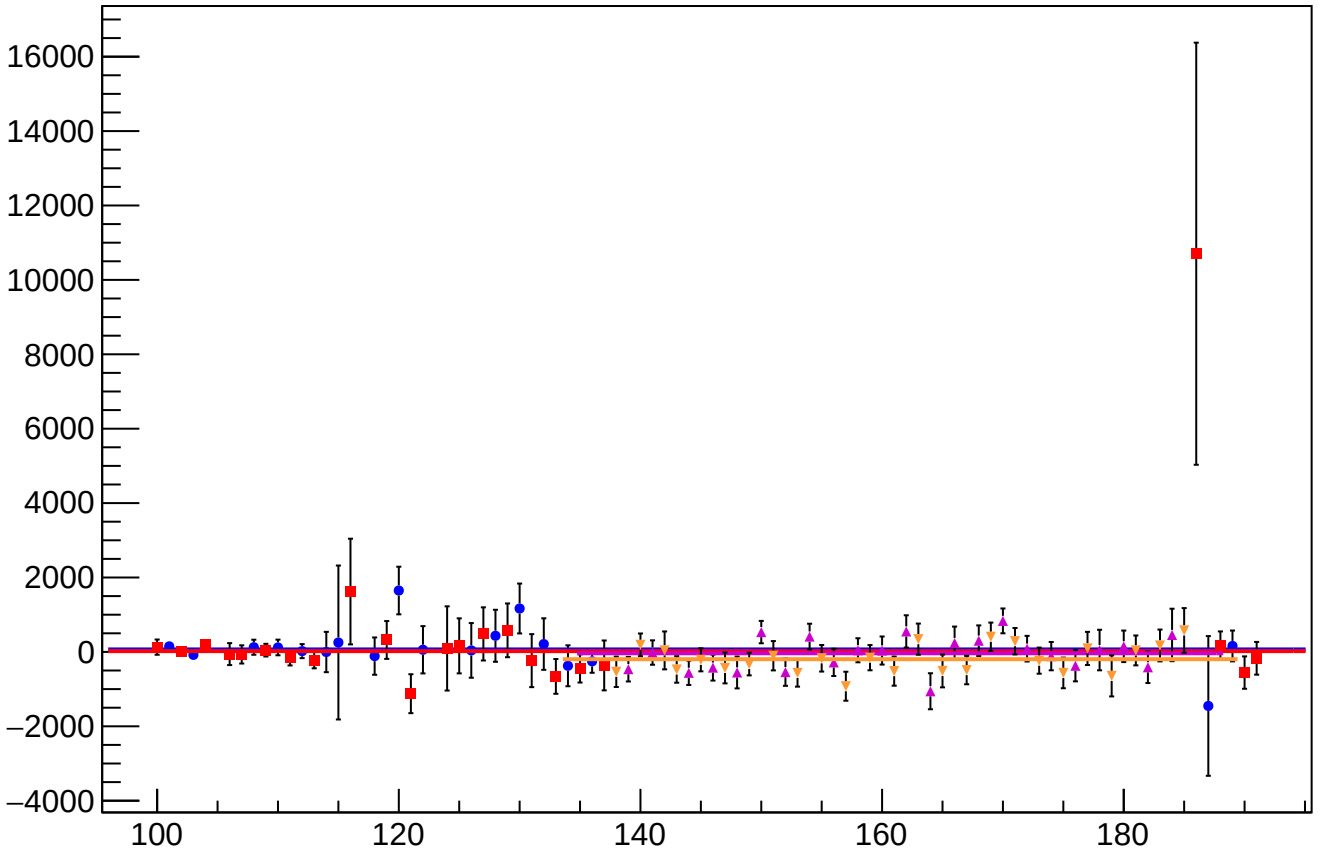
Right Out: 54.544+/-0.013 χ^2/NDF: 1244744.5/22

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 60.381+/-0.008 χ^2/NDF: 1248795.5/42

All: 60.288+/-0.006 χ^2/NDF: 3247669.2/88

- sign 60.195+/-0.008 χ^2/NDF: 1998621.0/45



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: 21.020+/-49.154 χ^2/NDF: 23.7/22

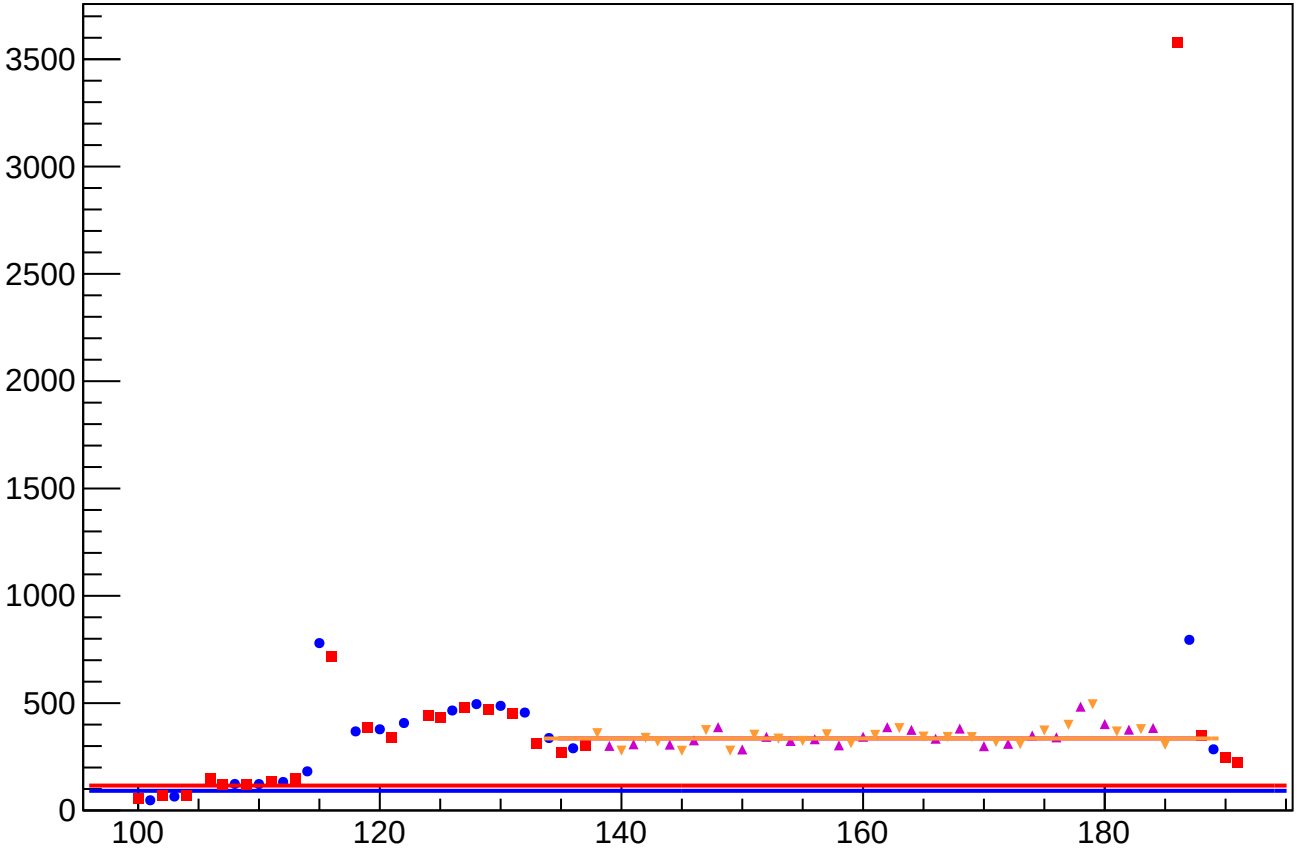
Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

+ sign -3.088+/-39.612 χ^2/NDF: 45.5/42

All: 0.767+/-28.741 χ^2/NDF: 100.7/88

- sign 5.052+/-41.765 χ^2/NDF: 55.2/45

asym_sam_15_avg_eigen_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

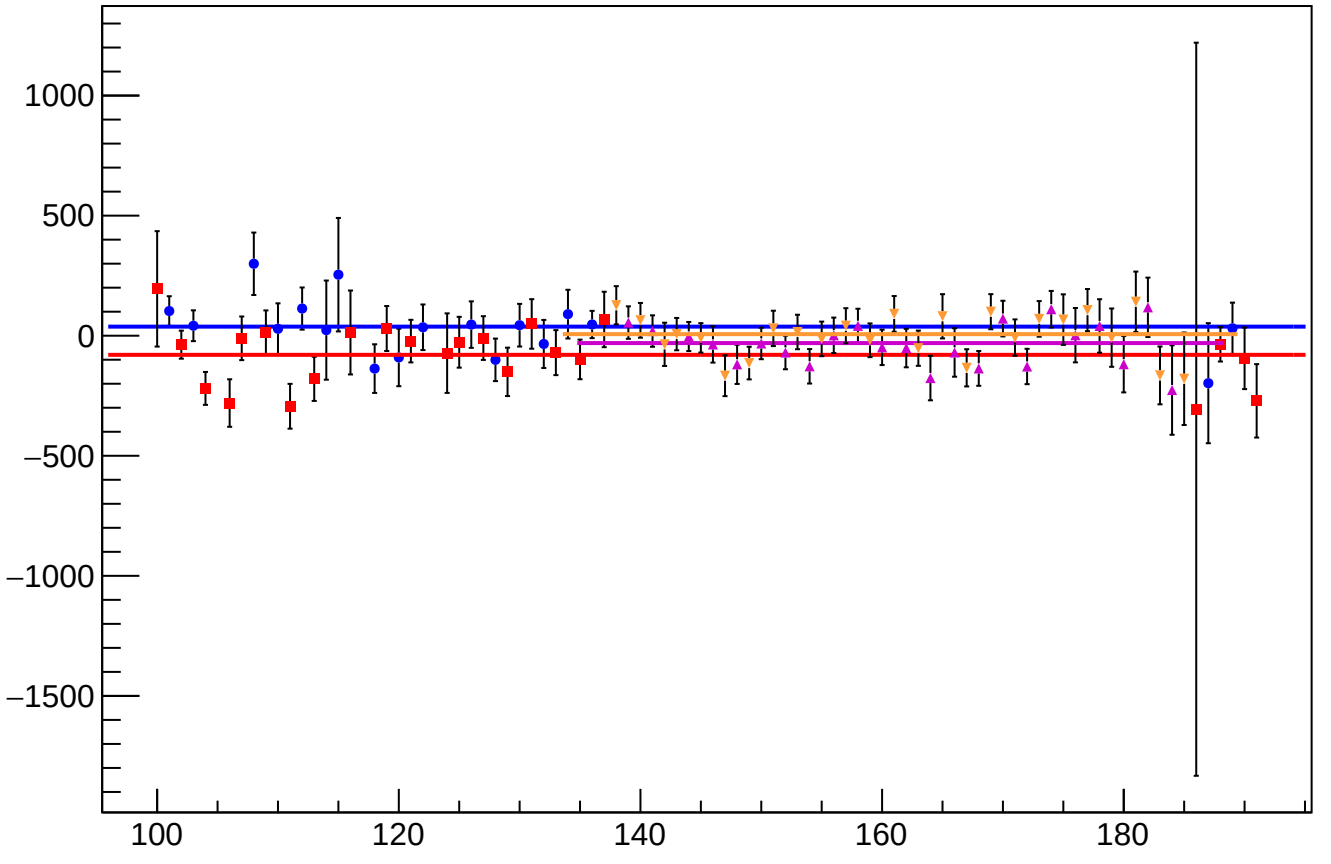
Right Out: 115.948+/-0.035 χ^2/NDF: 7241039.2/22

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 155.877+/-0.028 χ^2/NDF: 22651773.5/42

All: 165.878+/-0.020 χ^2/NDF: 41753380.6/88

- sign 176.995+/-0.030 χ^2/NDF: 18832432.1/45



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: -79.672+/-20.219 χ^2/NDF: 26.8/22

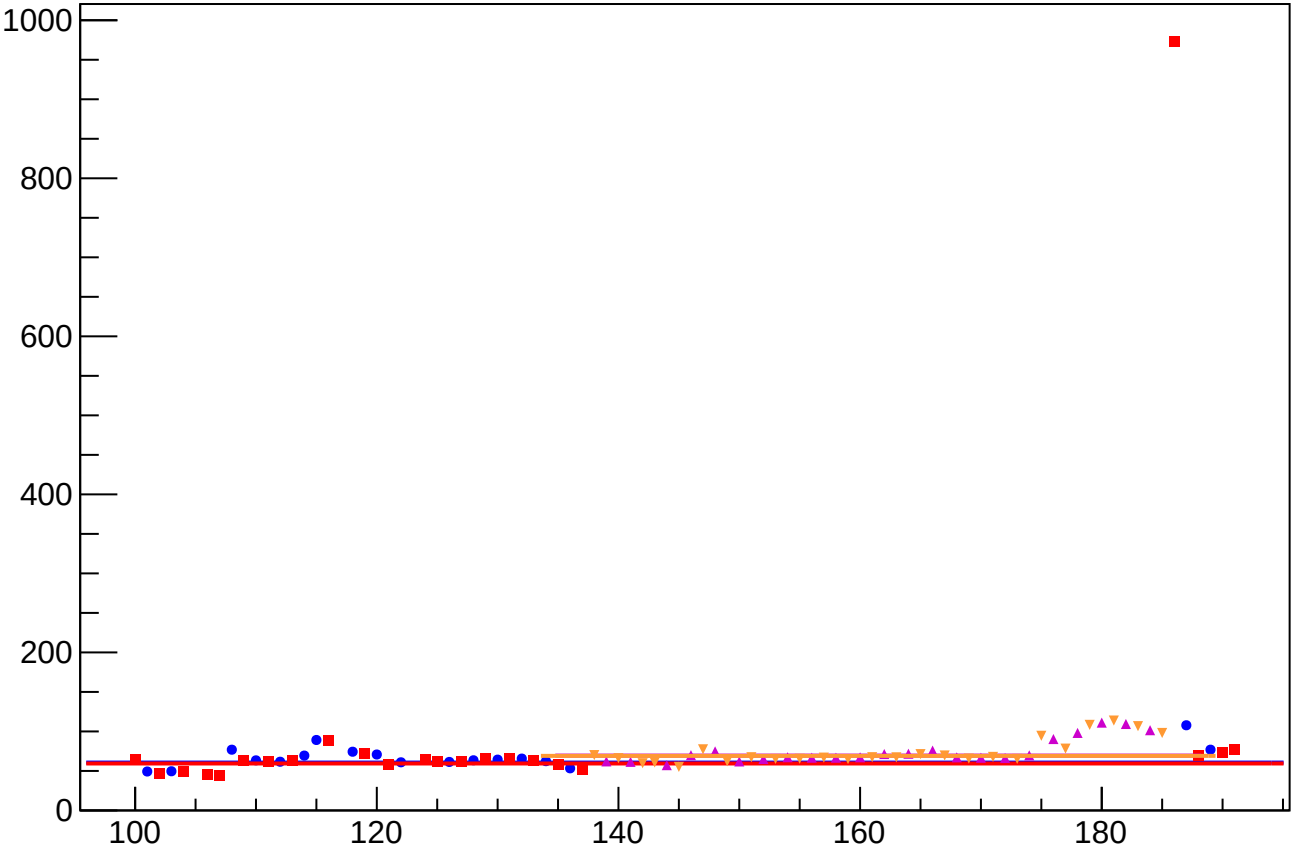
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 17.327+/-12.917 χ^2/NDF: 41.4/42

All: -16.812+/-9.087 χ^2/NDF: 108.0/88

- sign -50.258+/-12.785 χ^2/NDF: 52.8/45

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: 59.440+/-0.014 χ^2/NDF: 1171468.7/22

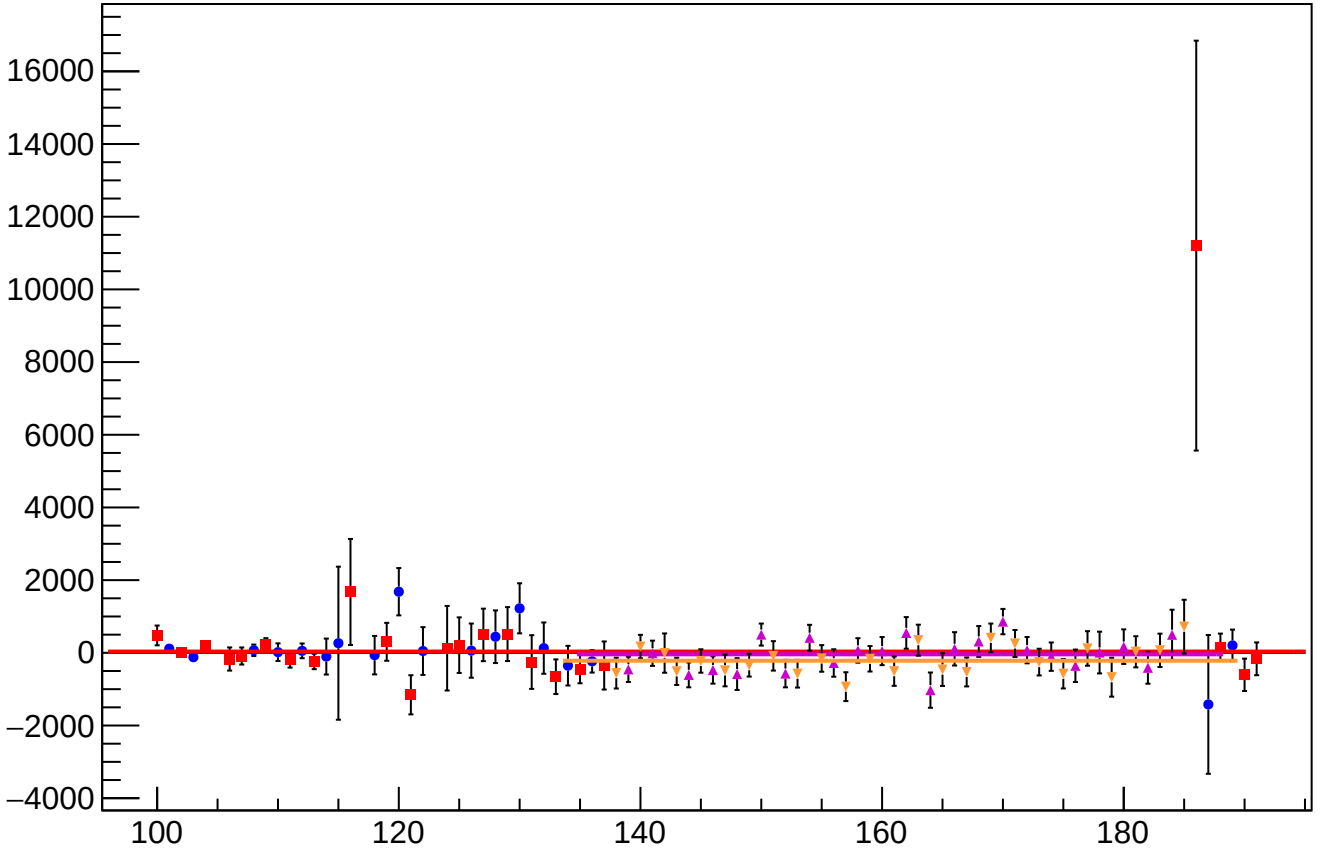
Left In: 69.436+/-0.012 χ^2/NDF:924607.6/22

+ sign 66.146+/-0.009 χ^2/NDF: 1674189.4/42

All: 65.789+/-0.006 χ^2/NDF: 4066727.8/88

- sign 65.439+/-0.009 χ^2/NDF: 2389508.8/45

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: 34.794+/-51.962 χ^2/NDF: 27.8/22

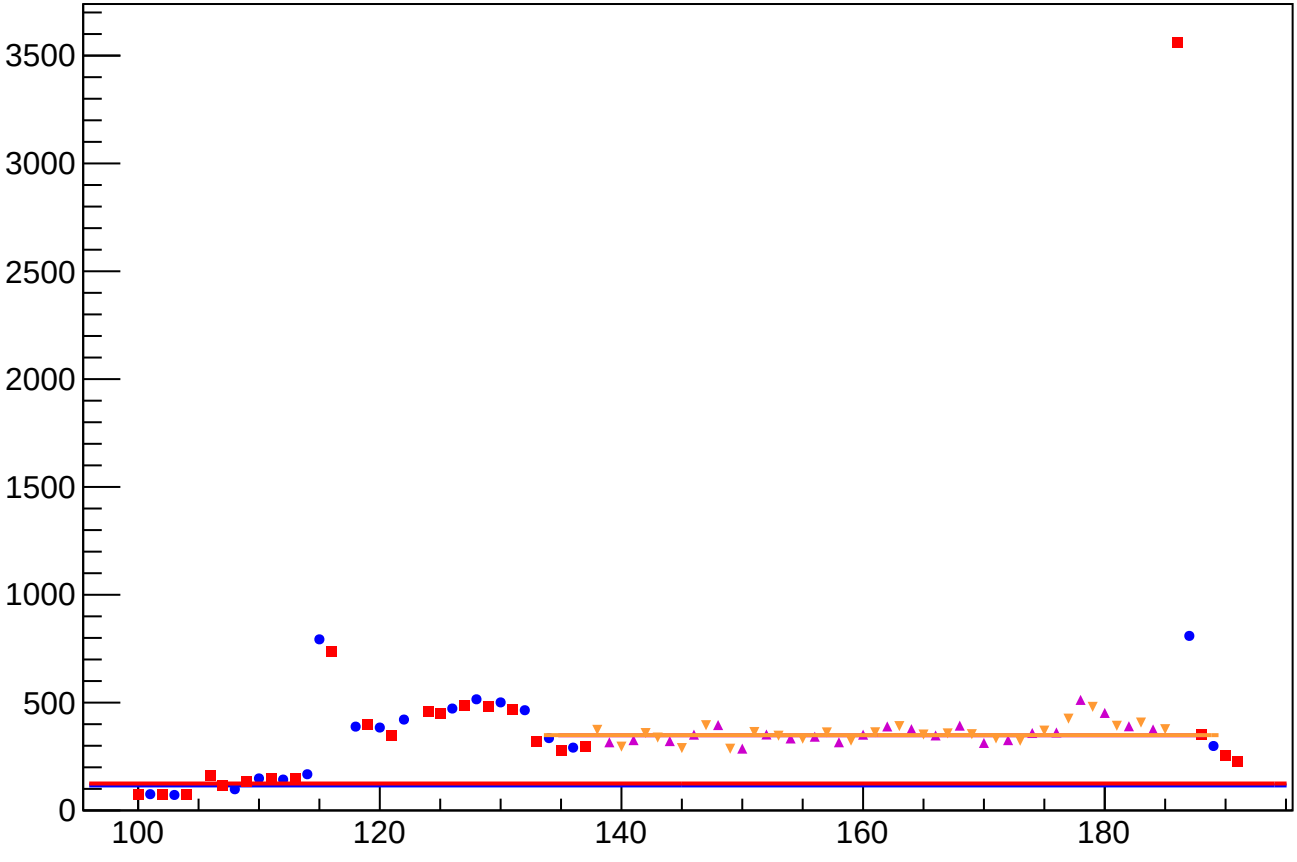
Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

+ sign -50.819+/-44.300 χ^2/NDF: 40.9/42

All: -18.628+/-31.193 χ^2/NDF: 100.4/88

- sign 13.029+/-43.931 χ^2/NDF: 58.4/45

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: 124.959+/-0.037 χ^2/NDF: 6951610.3/22

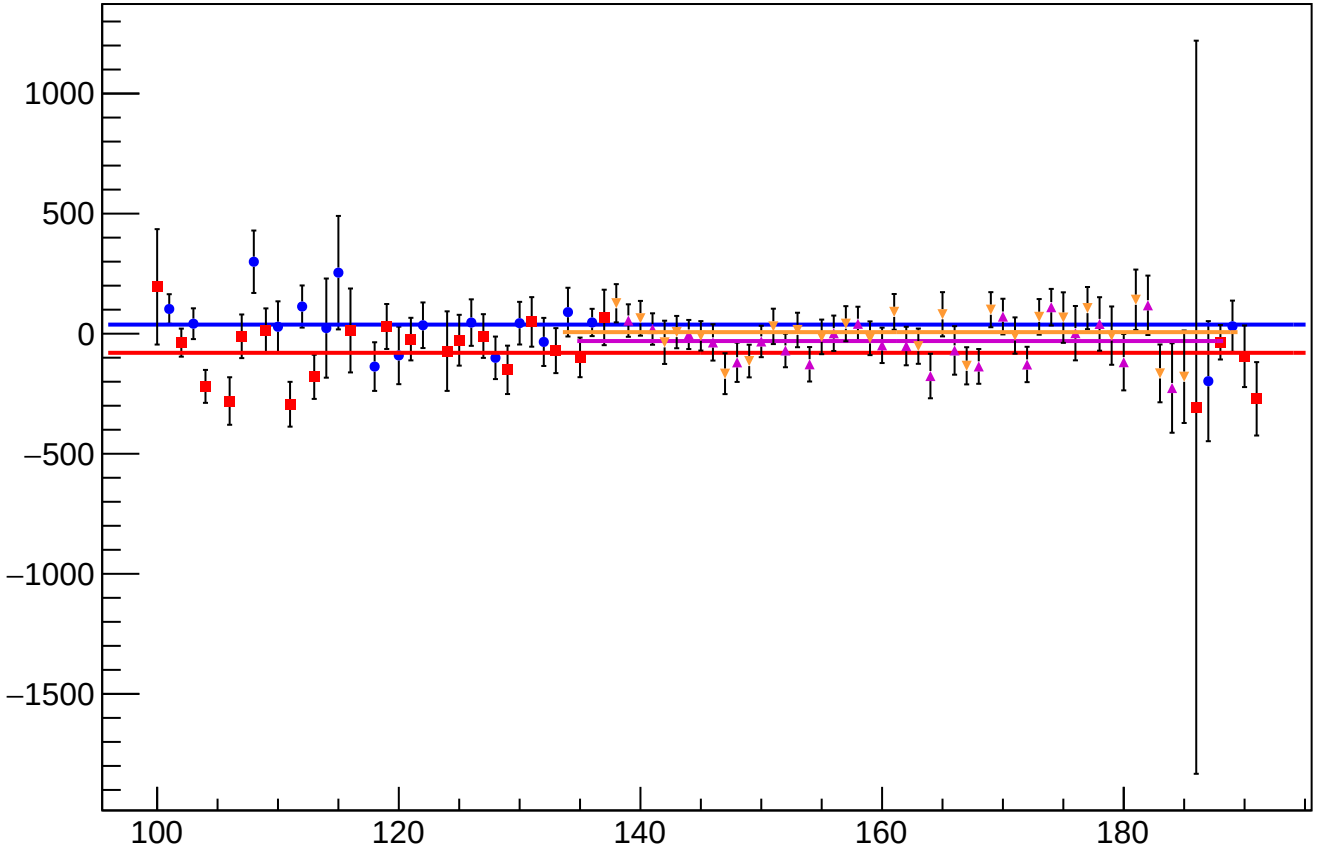
Left In: 348.560+/-0.058 χ^2/NDF:525743.6/22

+ sign 187.259+/-0.031 χ^2/NDF: 18509092.0/42

All: 188.004+/-0.022 χ^2/NDF: 36550994.1/88

- sign 188.737+/-0.031 χ^2/NDF: 18040778.8/45

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: -79.672+/-20.219 χ^2/NDF: 26.8/22

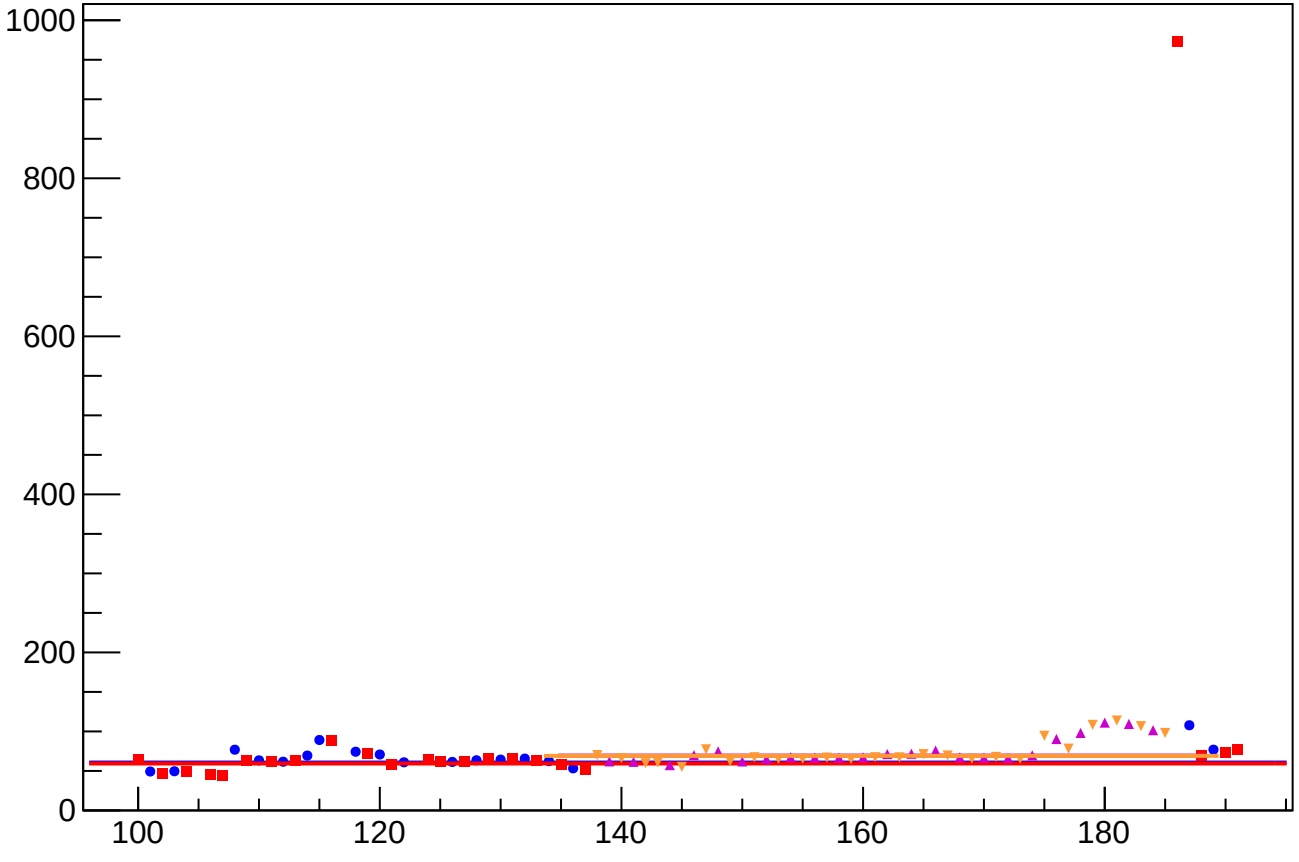
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 17.327+/-12.917 χ^2/NDF: 41.4/42

All: -16.812+/-9.087 χ^2/NDF: 108.0/88

- sign -50.258+/-12.785 χ^2/NDF: 52.8/45

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: 59.439+/-0.014 χ^2/NDF: 1171464.9/22

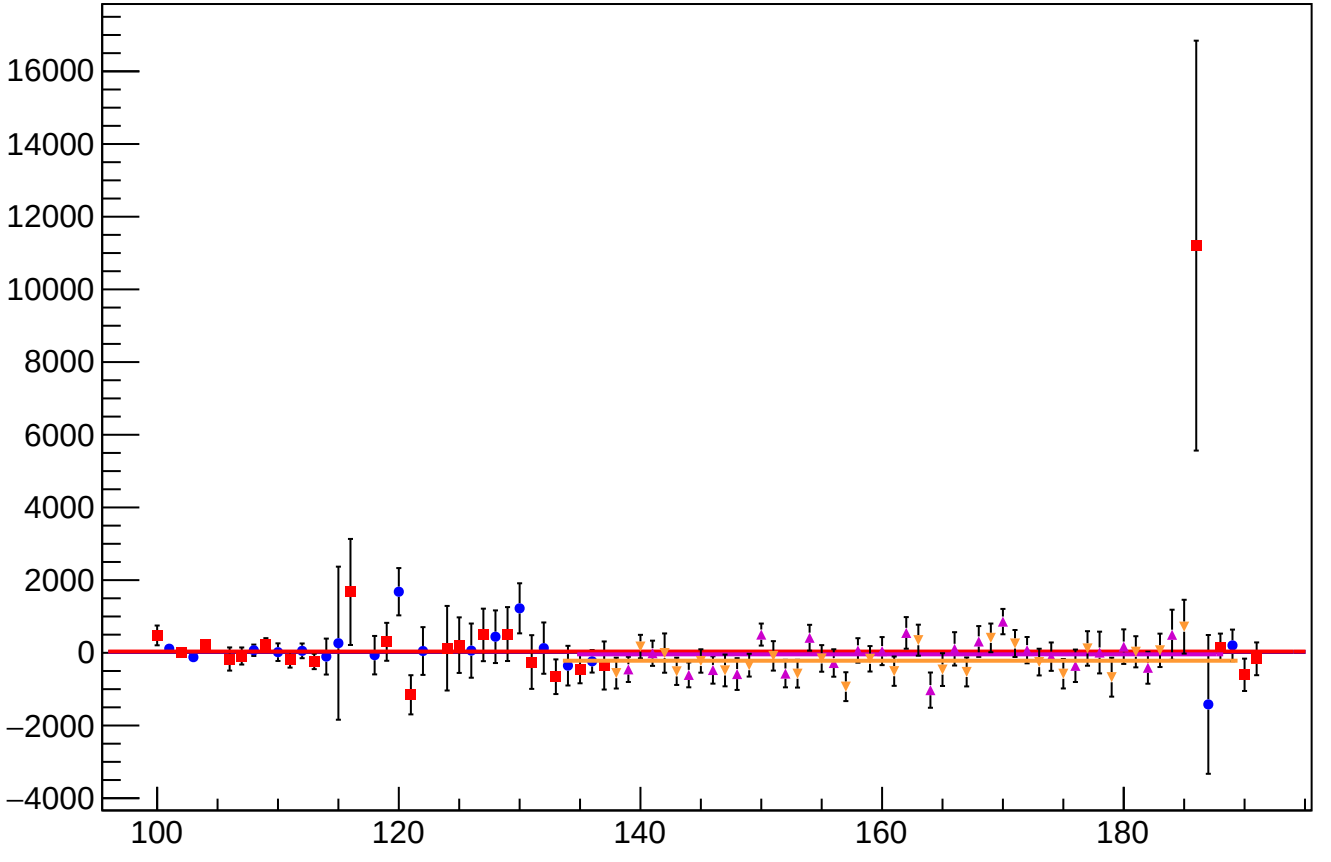
Left In: 69.436+/-0.012 χ^2/NDF:924591.6/22

+ sign 66.146+/-0.009 χ^2/NDF: 1674180.7/42

All: 65.789+/-0.006 χ^2/NDF: 4066712.3/88

- sign 65.439+/-0.009 χ^2/NDF: 2389502.1/45

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: 34.794+/-51.962 χ^2/NDF: 27.8/22

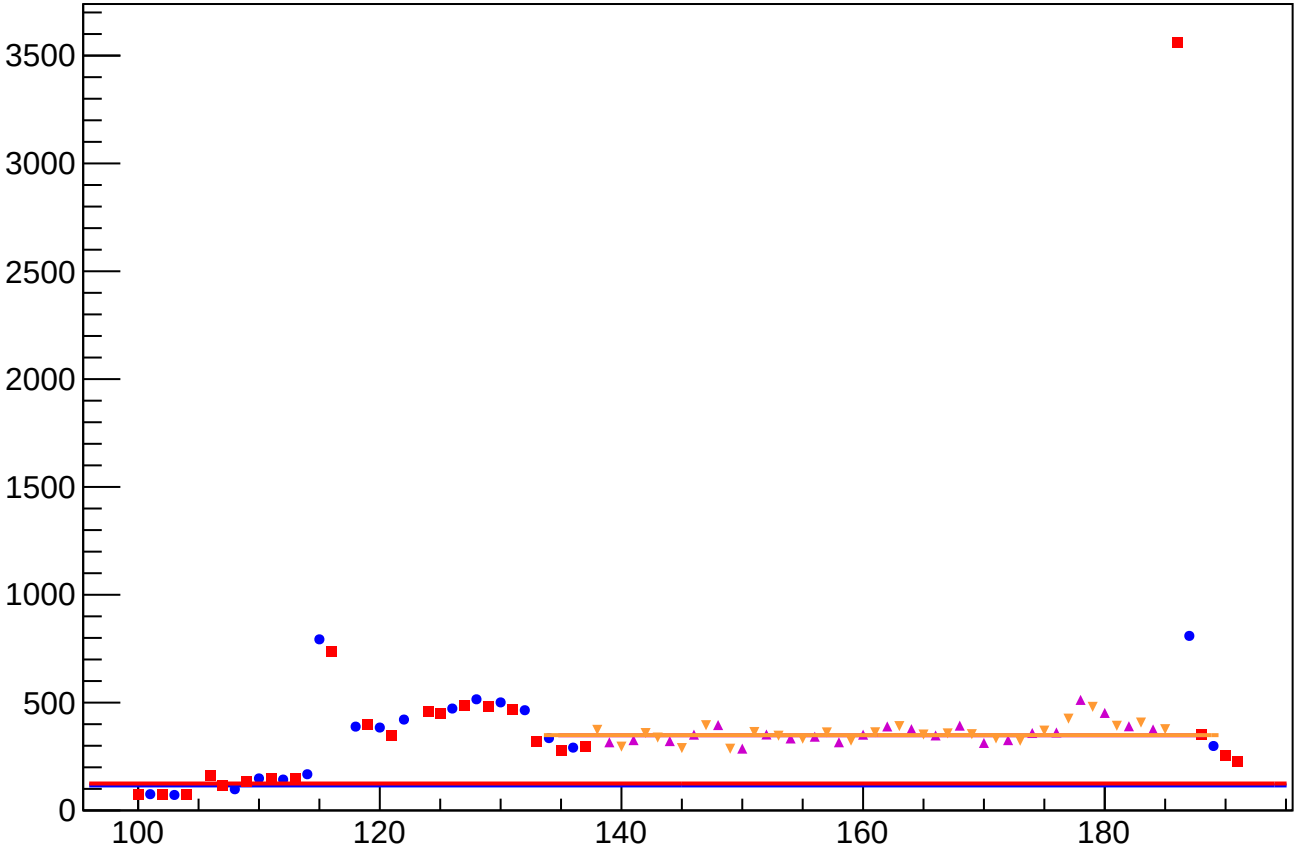
Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

+ sign -50.819+/-44.300 χ^2/NDF: 40.9/42

All: -18.628+/-31.193 χ^2/NDF: 100.4/88

- sign 13.029+/-43.931 χ^2/NDF: 58.4/45

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: 124.958+/-0.037 χ^2/NDF: 6951620.7/22

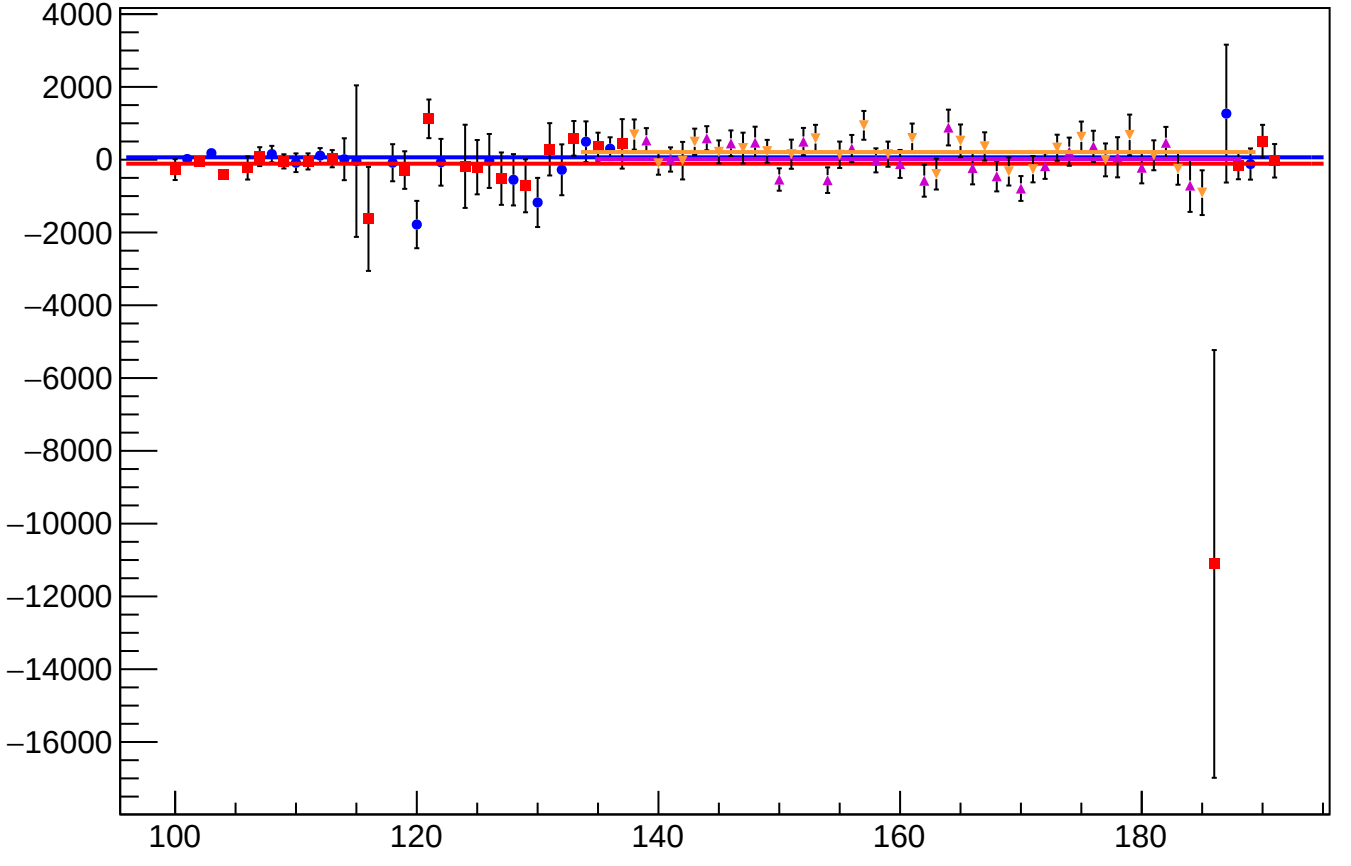
Left In: 348.560+/-0.058 χ^2/NDF:525736.6/22

+ sign 187.259+/-0.031 χ^2/NDF: 18509153.7/42

All: 188.004+/-0.022 χ^2/NDF: 36551142.9/88

- sign 188.737+/-0.031 χ^2/NDF: 18040866.1/45

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: -110.294+/-56.376 χ^2/NDF: 26.6/22

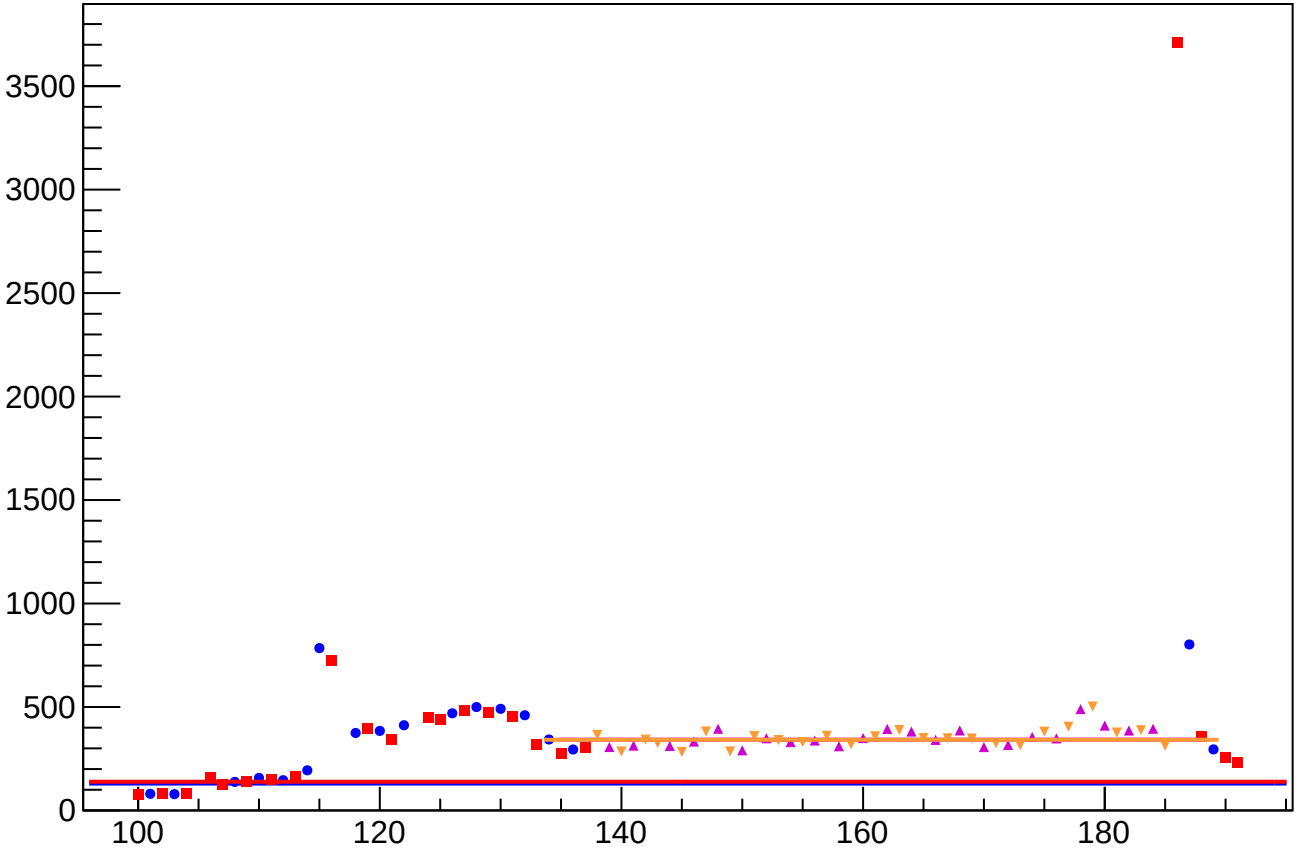
Left In: 18.738+/-80.699 χ^2/NDF:32.0/22

+ sign 116.968+/-46.953 χ^2/NDF: 40.0/42

All: 23.031+/-32.937 χ^2/NDF: 108.2/88

- sign -67.975+/-46.215 χ^2/NDF: 60.3/45

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

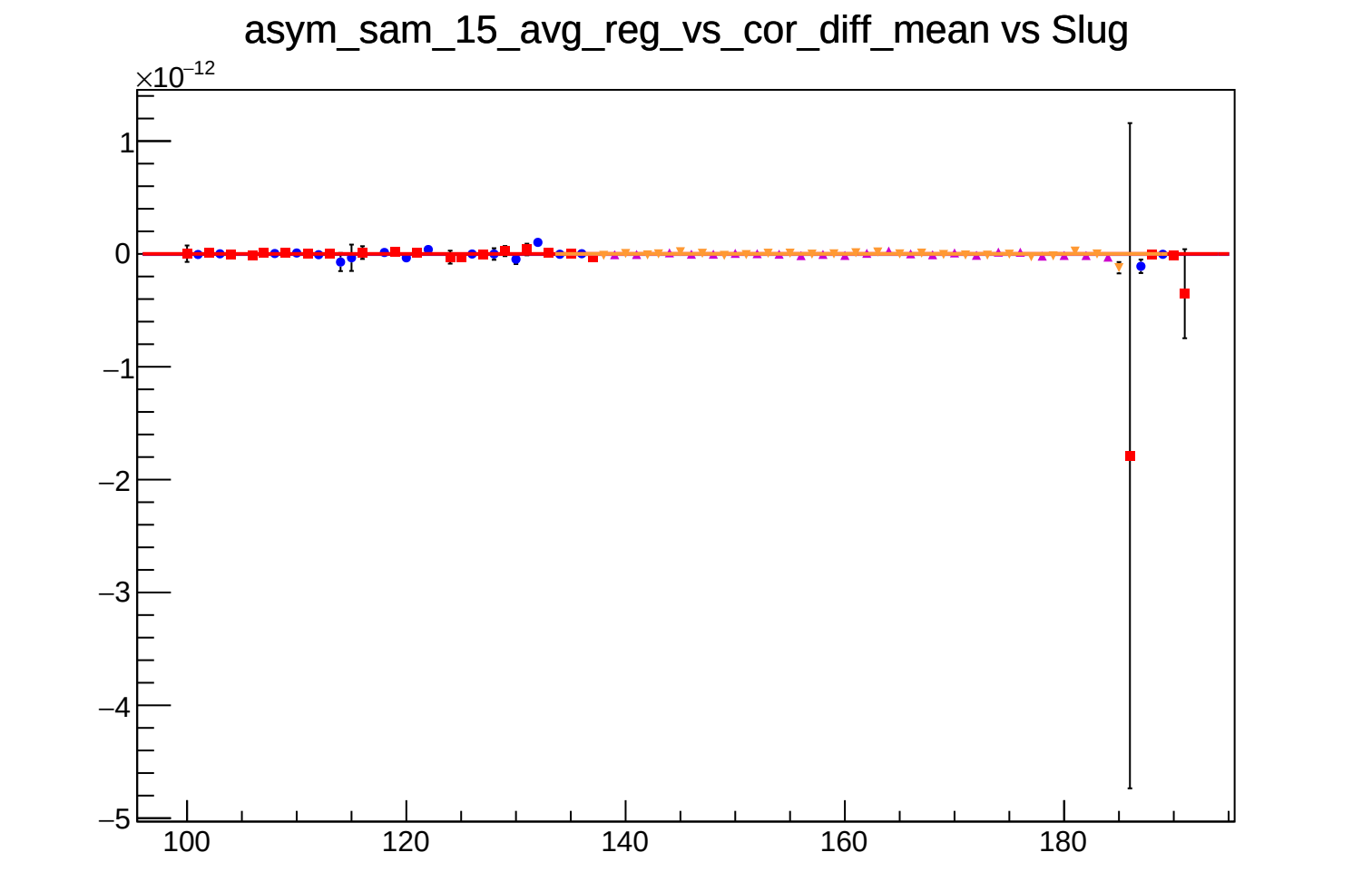
Right Out: 138.855+/-0.040 χ^2/NDF: 6320238.6/22

Left In: 341.943+/-0.057 χ^2/NDF:485509.1/22

+ sign 205.648+/-0.033 χ^2/NDF: 15665466.5/42

All: 205.553+/-0.023 χ^2/NDF: 30983541.5/88

- sign 205.462+/-0.033 χ^2/NDF: 15318059.1/45



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:28.6/24

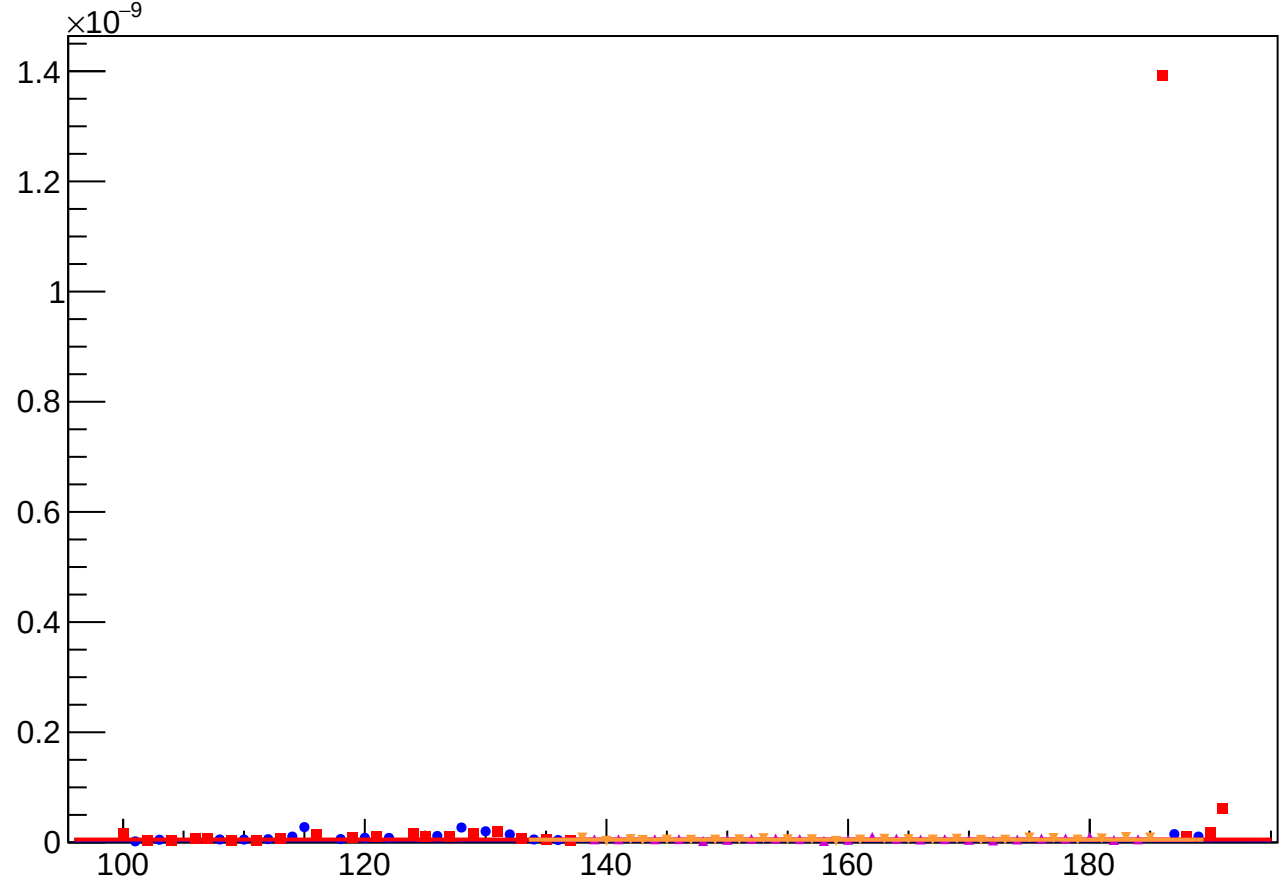
Right Out: 0.000+/-0.000 χ^2/NDF: 11.8/22

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: 82.5/88

- sign -0.000+/-0.000 χ^2/NDF: 32.4/45



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: 2213281.9/22

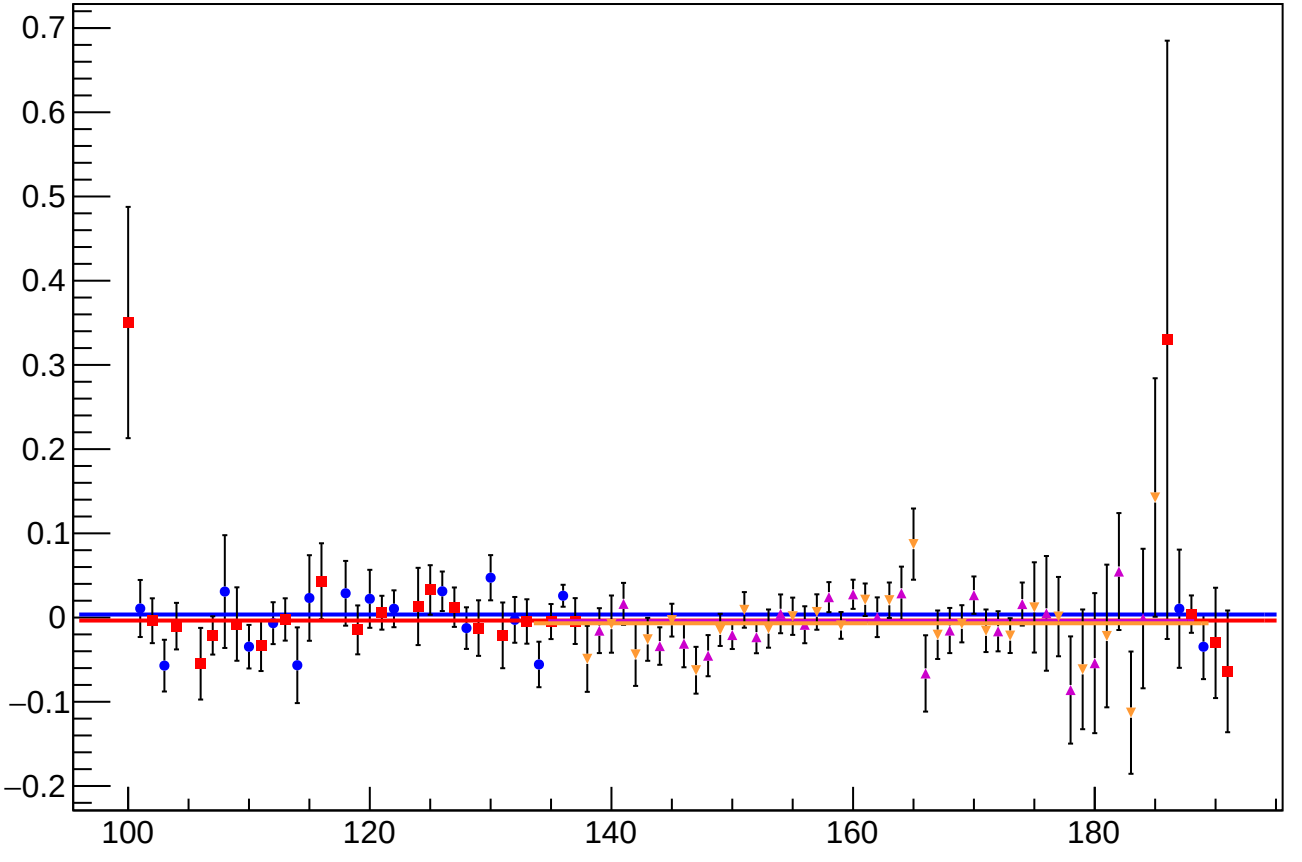
Left In: 0.000+/-0.000 χ^2/NDF:1225248.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 4004173.5/42

All: 0.000+/-0.000 χ^2/NDF: 7550272.1/88

- sign 0.000+/-0.000 χ^2/NDF: 3449096.1/45

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: -0.004+/-0.006 χ^2/NDF: 15.5/22

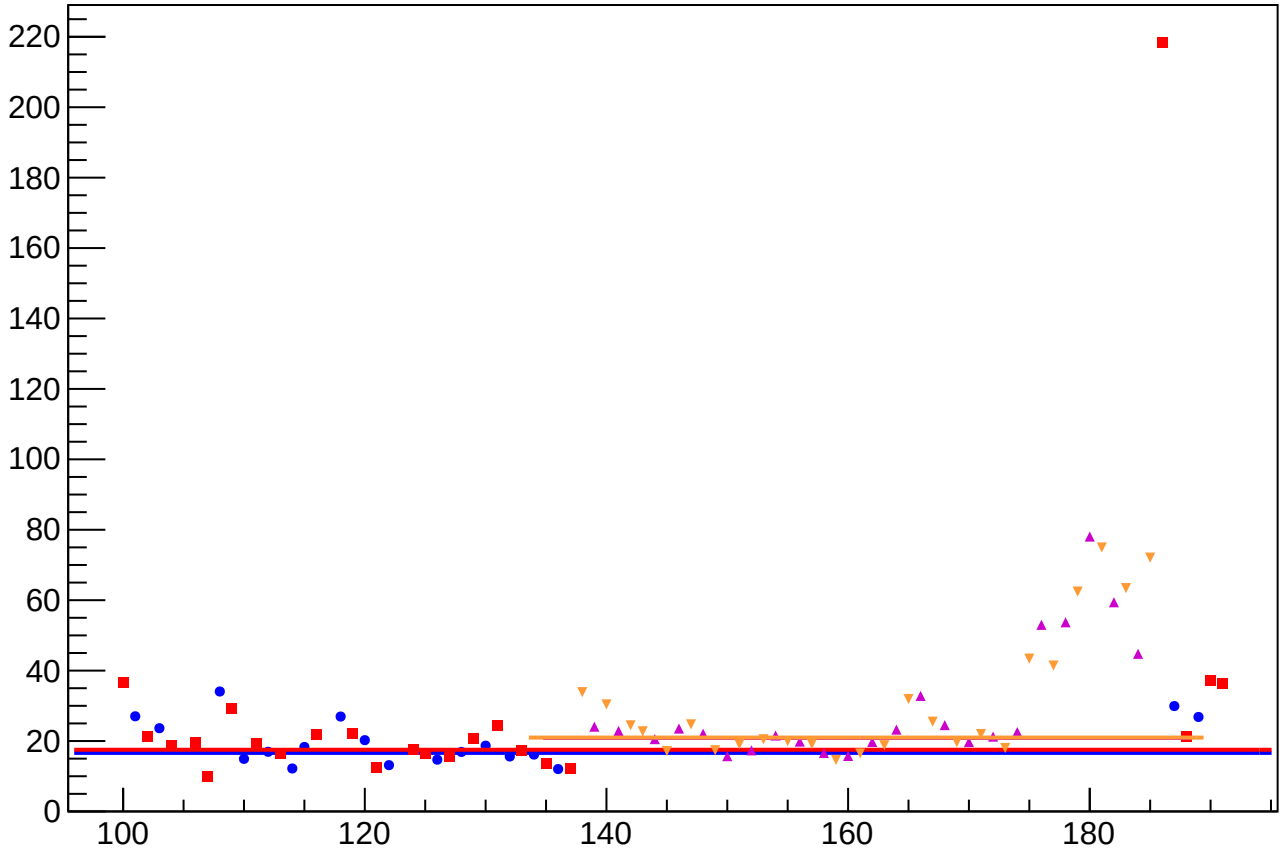
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.003+/-0.004 χ^2/NDF: 45.8/42

All: -0.003+/-0.003 χ^2/NDF: 84.5/88

- sign -0.004+/-0.004 χ^2/NDF: 38.7/45

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

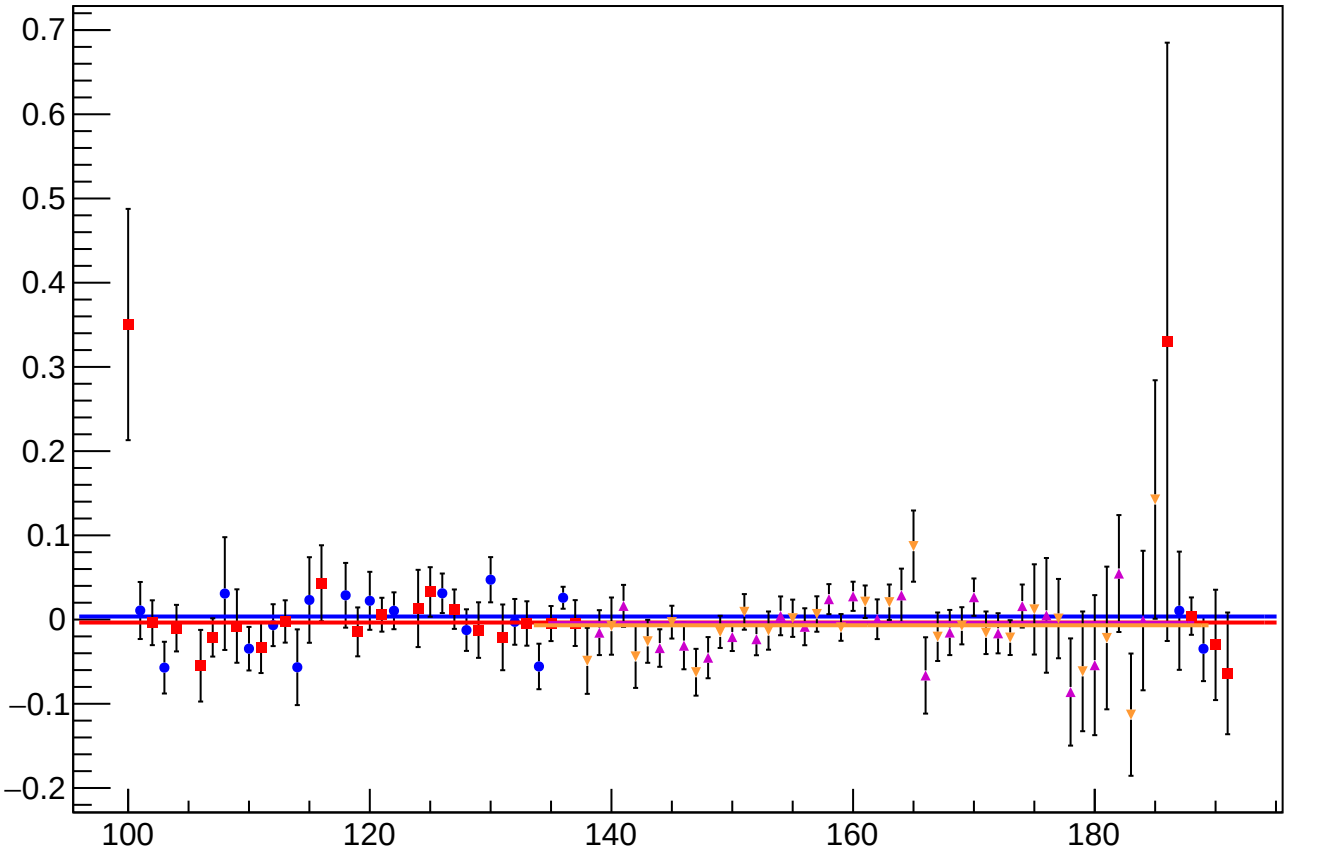
Right Out: 17.520+/-0.004 χ^2/NDF: 1901869.7/22

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

+ sign 19.264+/-0.003 χ^2/NDF: 6183343.2/42

All: 19.373+/-0.002 χ^2/NDF: 11954387.0/88

- sign 19.482+/-0.003 χ^2/NDF: 5768141.2/45



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: -0.004+/-0.006 χ^2/NDF: 15.5/22

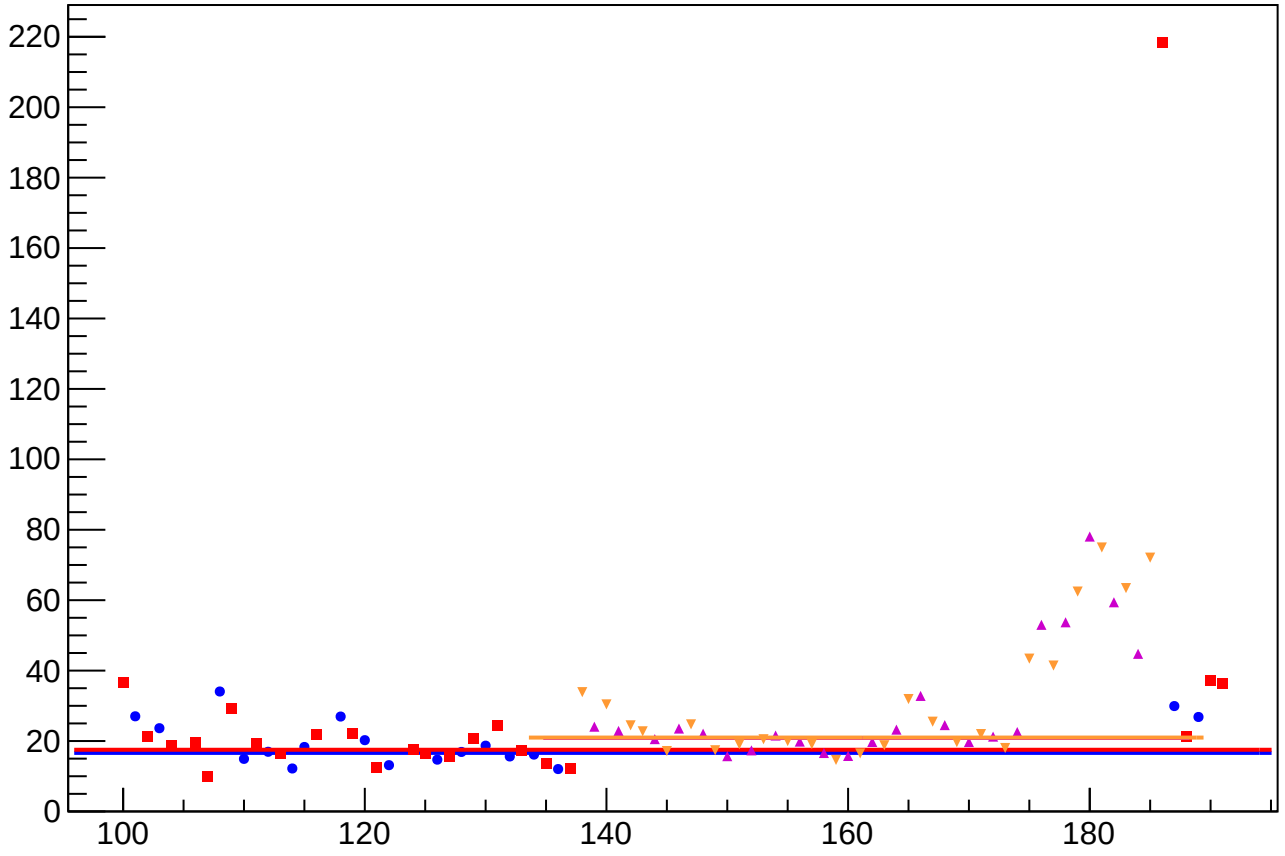
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.003+/-0.004 χ^2/NDF: 45.8/42

All: -0.003+/-0.003 χ^2/NDF: 84.5/88

- sign -0.004+/-0.004 χ^2/NDF: 38.7/45

asym_sam_15_avg_dit_vs_eigen_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

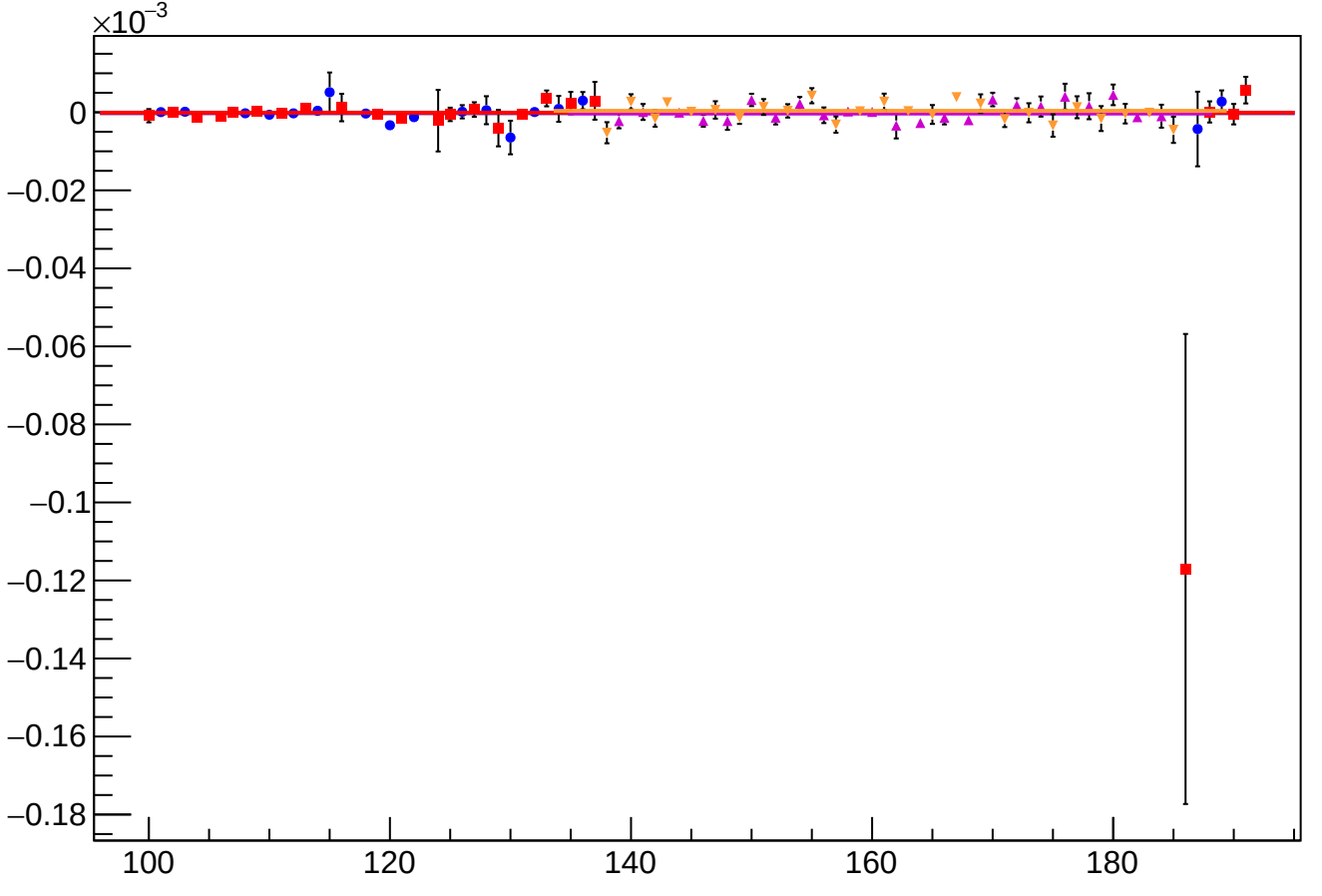
Right Out: 17.520+/-0.004 χ^2/NDF: 1901869.7/22

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

+ sign 19.264+/-0.003 χ^2/NDF: 6183343.2/42

All: 19.373+/-0.002 χ^2/NDF: 11954387.0/88

- sign 19.482+/-0.003 χ^2/NDF: 5768141.2/45



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: 26.9/22

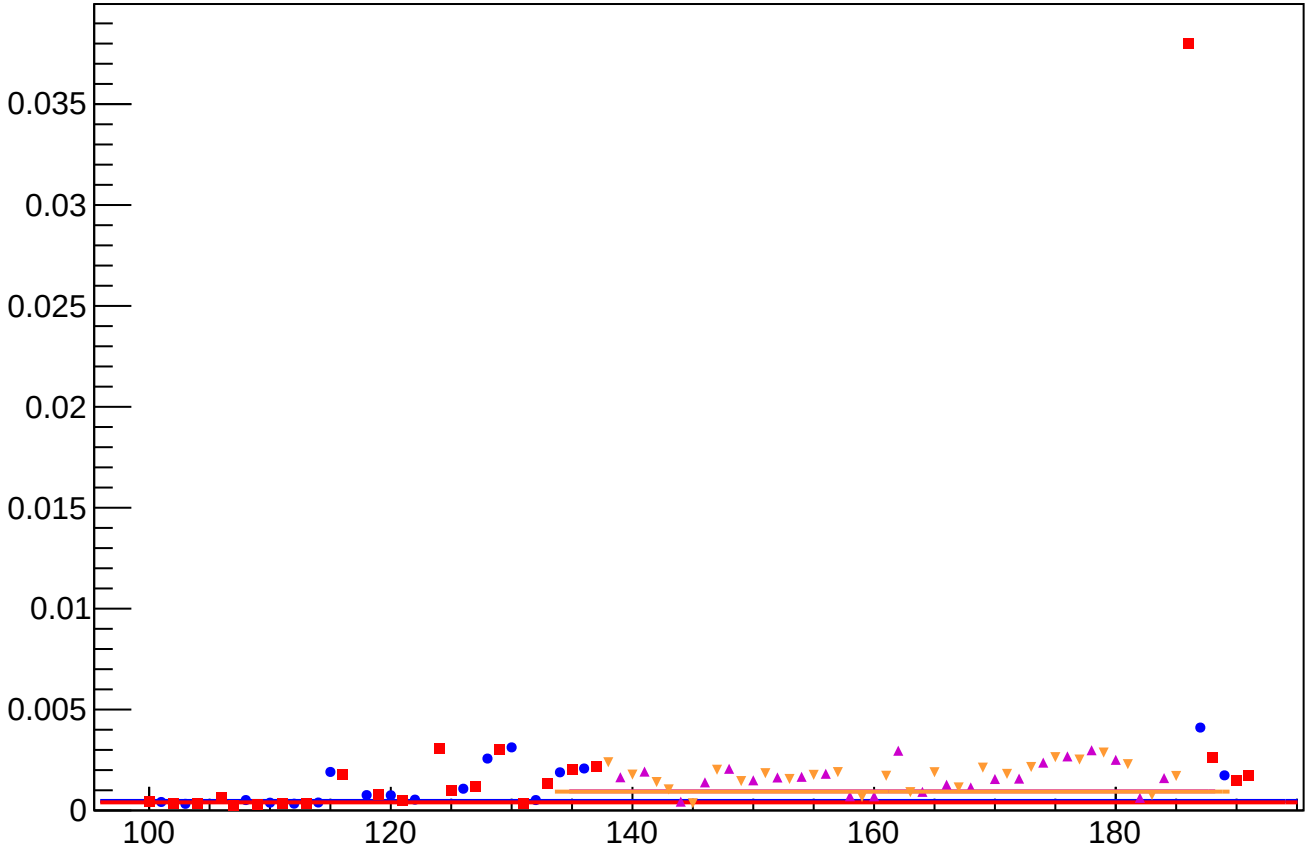
Left In: -0.000+/-0.000 χ^2/NDF:31.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.8/42

All: -0.000+/-0.000 χ^2/NDF: 112.2/88

- sign -0.000+/-0.000 χ^2/NDF: 58.8/45

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4697622.9/17

Left Out: 0.001+/-0.000 χ^2/NDF:11996378.8/24

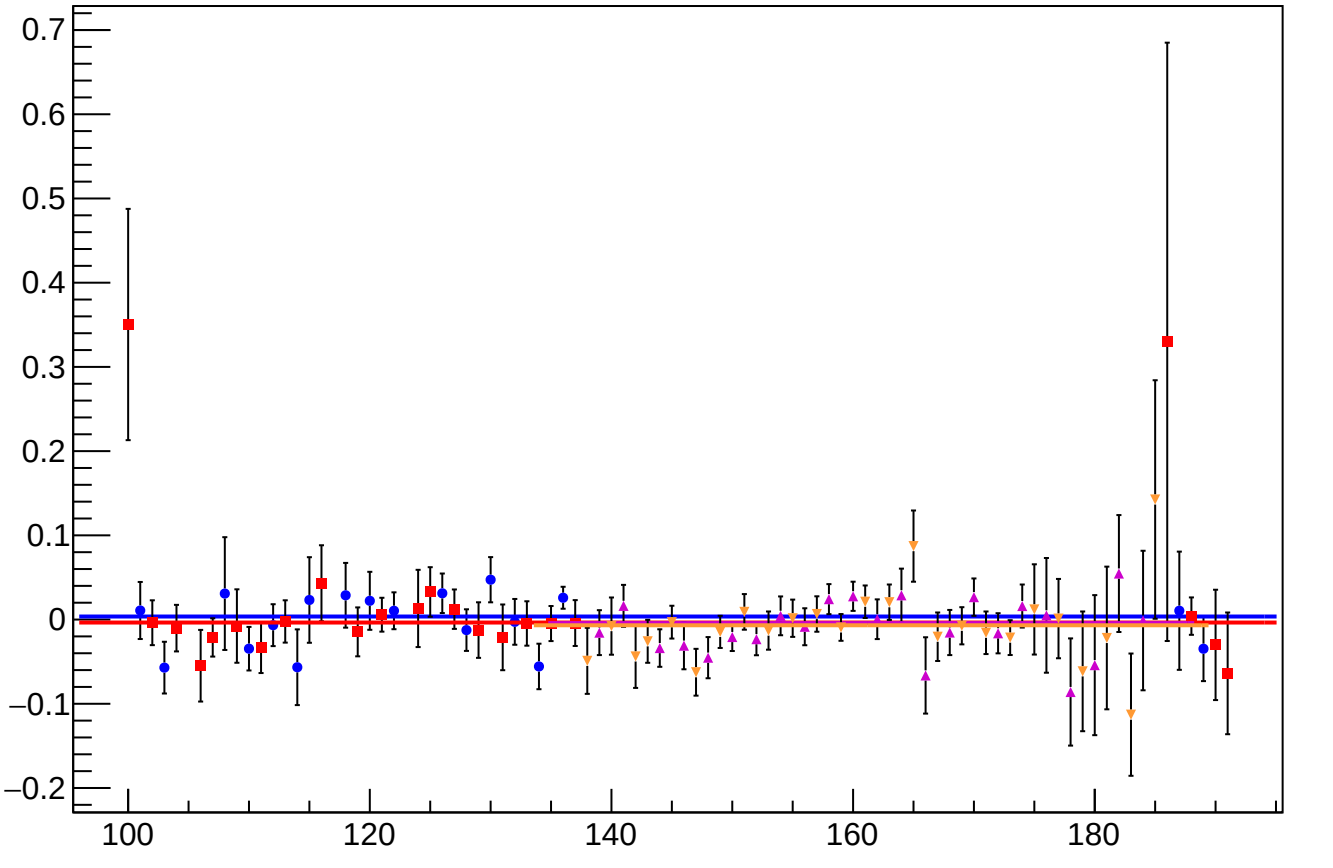
Right Out: 0.000+/-0.000 χ^2/NDF: 6827931.6/22

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: 43198092.0/88

- sign 0.001+/-0.000 χ^2/NDF: 22357171.5/45



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: -0.004+/-0.006 χ^2/NDF: 15.5/22

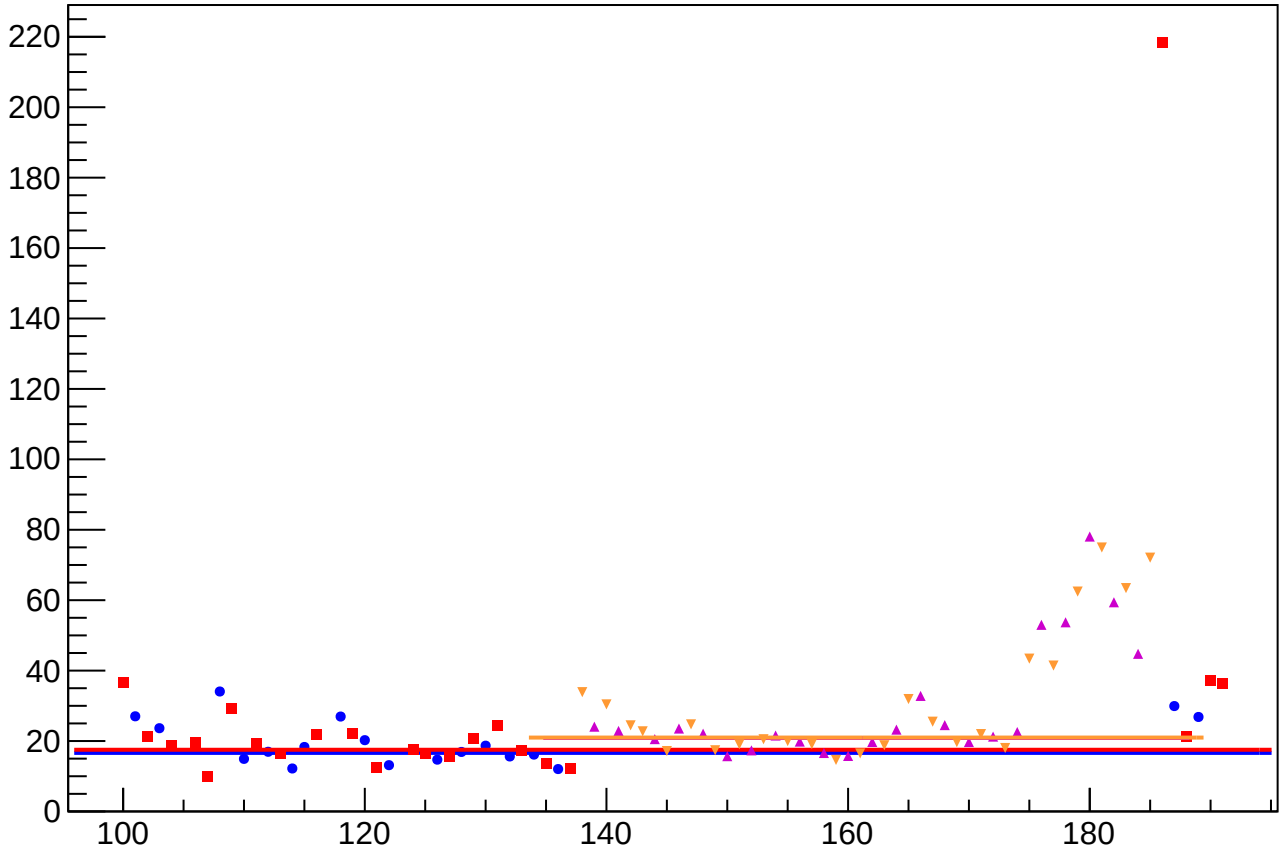
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.003+/-0.004 χ^2/NDF: 45.8/42

All: -0.003+/-0.003 χ^2/NDF: 84.5/88

- sign -0.004+/-0.004 χ^2/NDF: 38.7/45

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

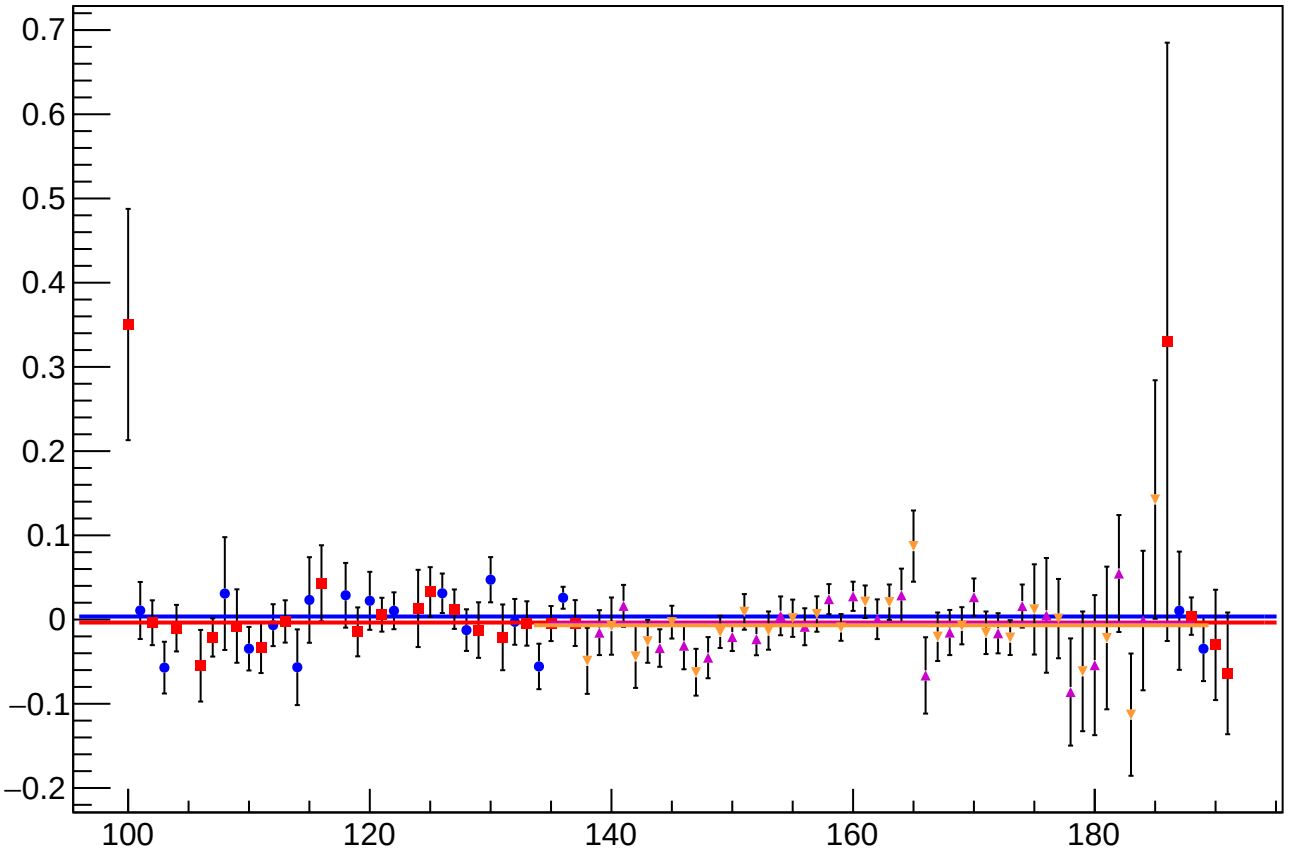
Right Out: 17.520+/-0.004 χ^2/NDF: 1901866.0/22

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

+ sign 19.264+/-0.003 χ^2/NDF: 6183429.9/42

All: 19.373+/-0.002 χ^2/NDF: 11954574.8/88

- sign 19.482+/-0.003 χ^2/NDF: 5768244.2/45



Right In: 0.004+/-0.006 χ^2/NDF: 22.5/17

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

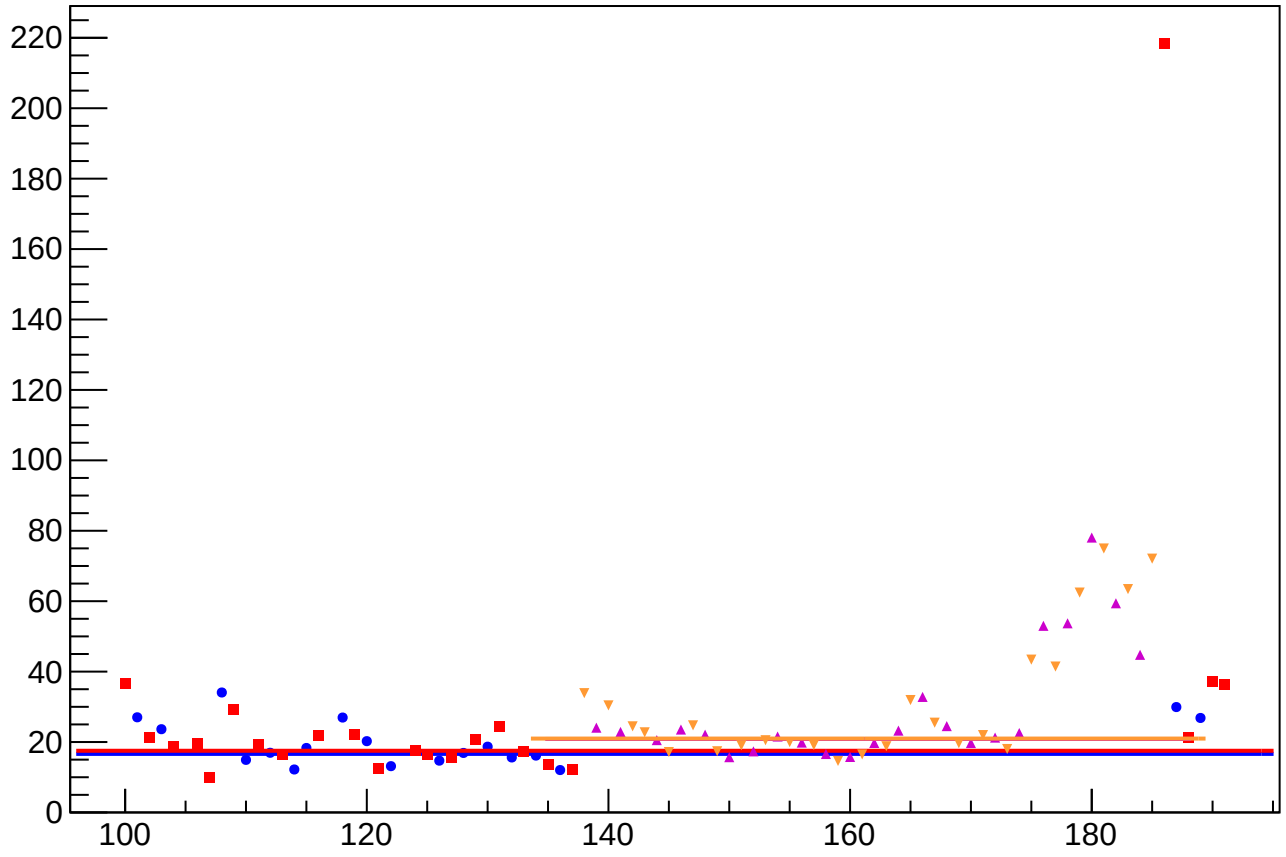
Right Out: -0.004+/-0.006 χ^2/NDF: 15.5/22

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: 84.5/88

- sign -0.004+/-0.004 χ^2/NDF: 38.7/45



Right In: 16.631+/-0.005 χ^2/NDF: 1164647.2/17

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

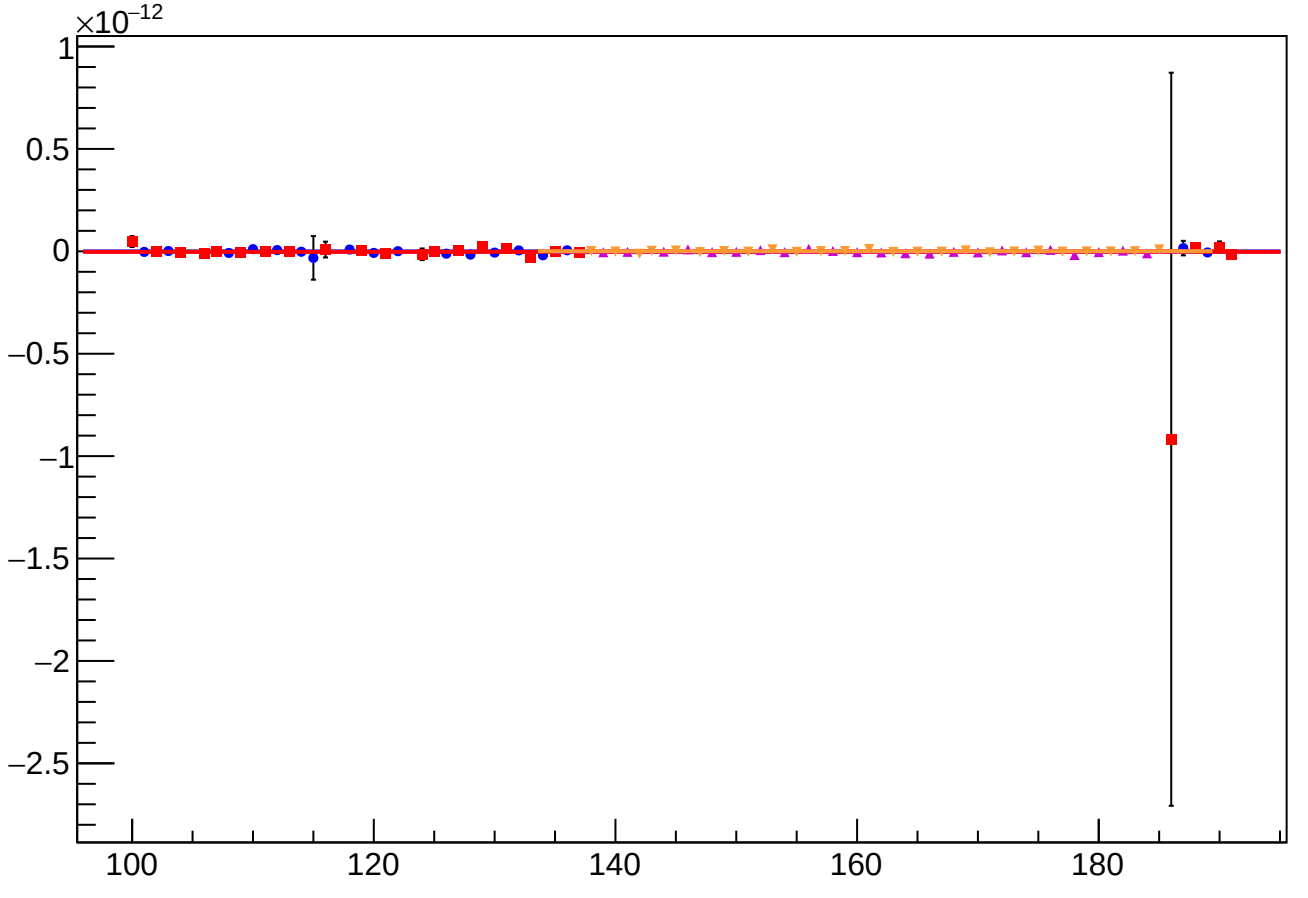
Right Out: 17.520+/-0.004 χ^2/NDF: 1901866.0/22

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

+ sign 19.264+/-0.003 χ^2/NDF: 6183429.9/42

All: 19.373+/-0.002 χ^2/NDF: 11954574.8/88

- sign 19.482+/-0.003 χ^2/NDF: 5768244.2/45



Right In: -0.000+/-0.000 χ^2/NDF: 13.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/24

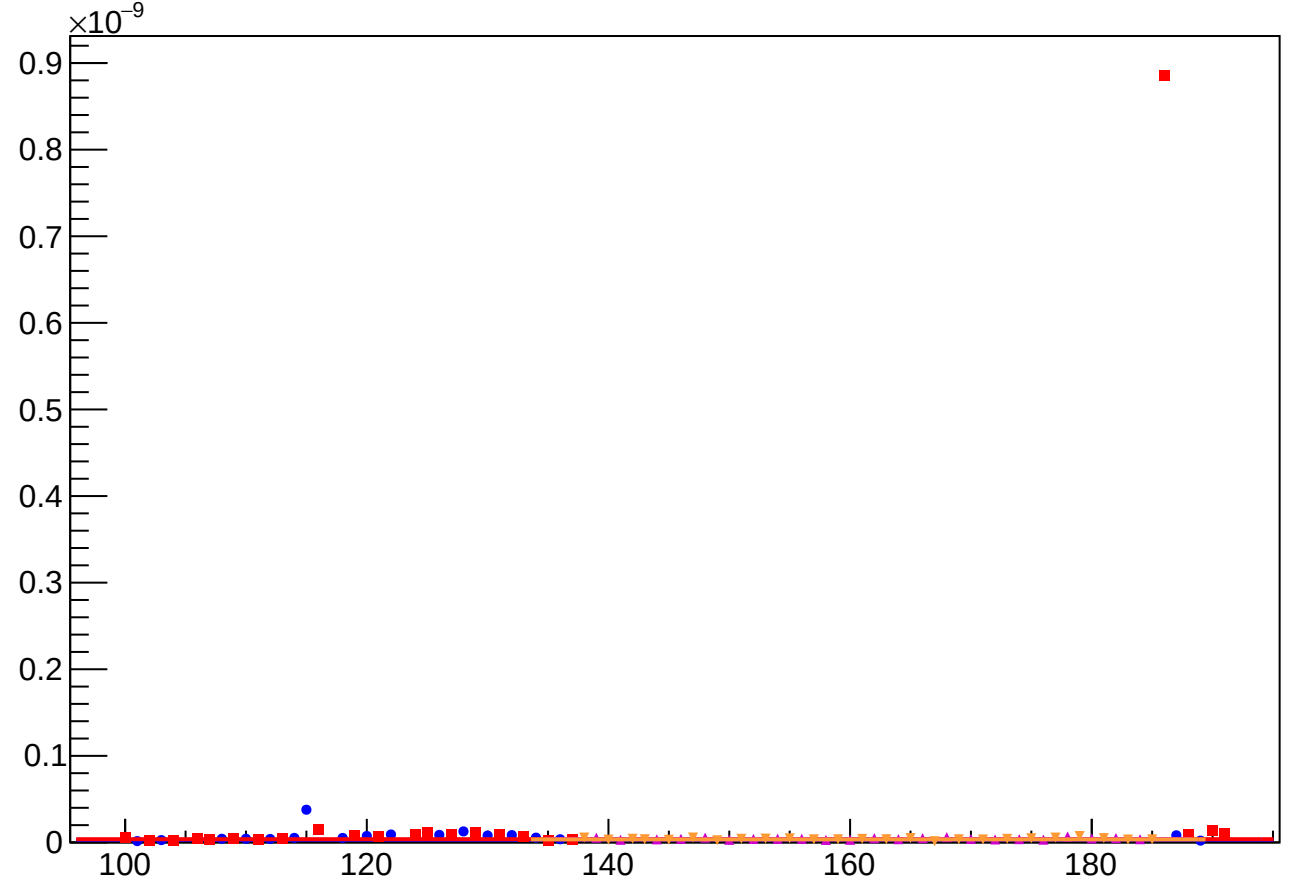
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/22

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: 74.6/88

- sign -0.000+/-0.000 χ^2/NDF: 45.6/45



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: 3887394.4/22

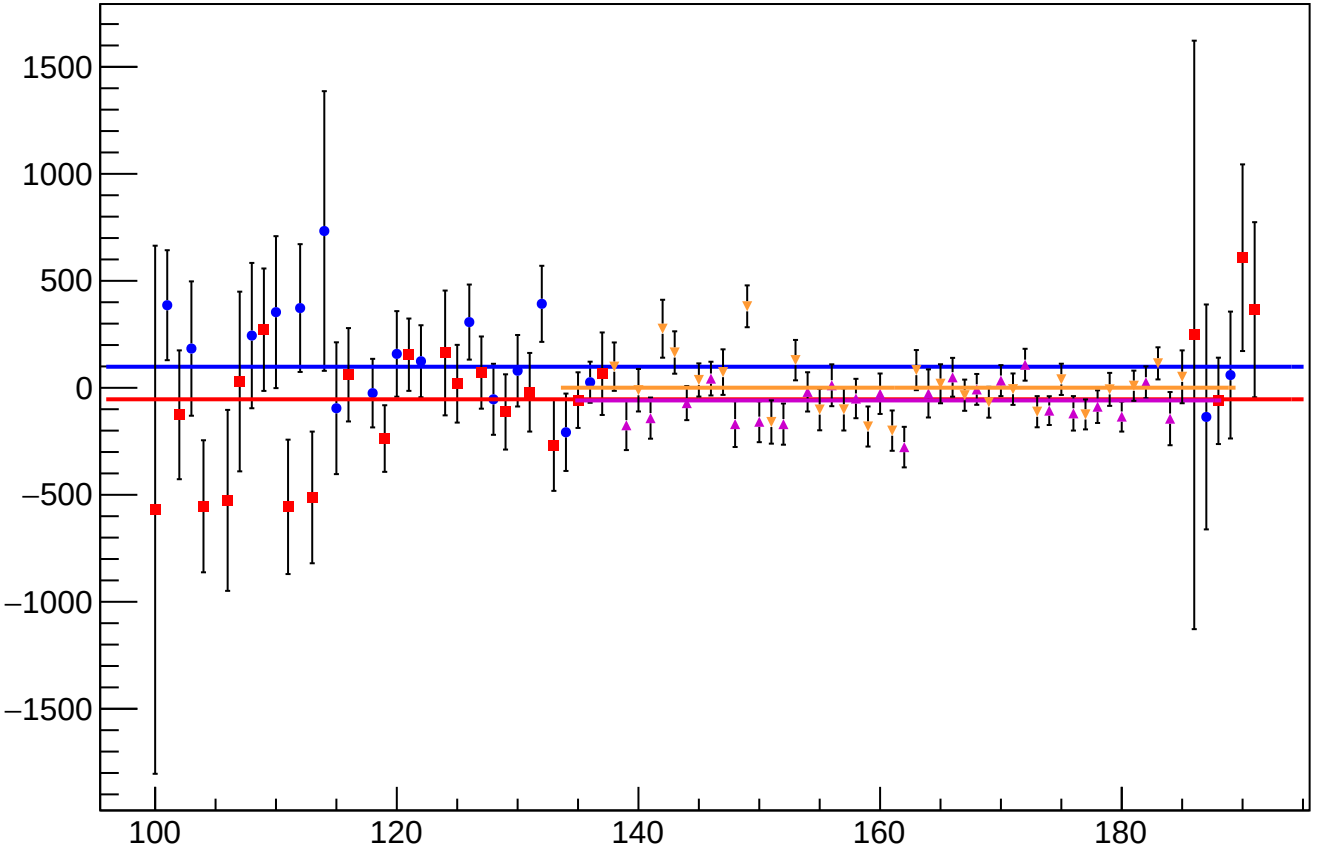
Left In: 0.000+/-0.000 χ^2/NDF:1198286.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5691896.9/42

All: 0.000+/-0.000 χ^2/NDF: 11063876.7/88

- sign 0.000+/-0.000 χ^2/NDF: 5102101.1/45

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: -53.613+/-47.283 χ^2/NDF: 19.6/22

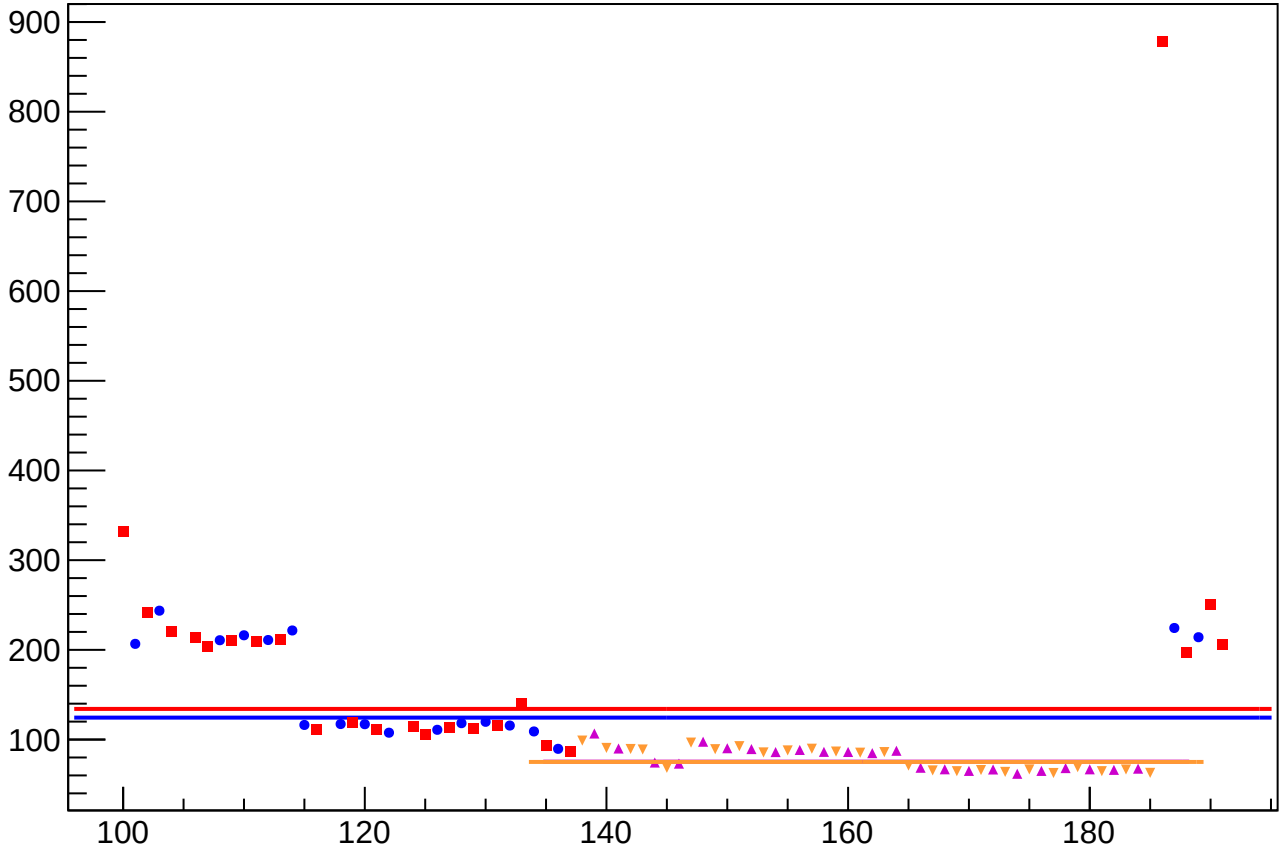
Left In: -58.907+/-17.879 χ^2/NDF:25.8/22

+ sign 12.377+/-16.244 χ^2/NDF: 66.0/42

All: -21.908+/-11.652 χ^2/NDF: 120.6/88

- sign -58.244+/-16.723 χ^2/NDF: 45.5/45

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

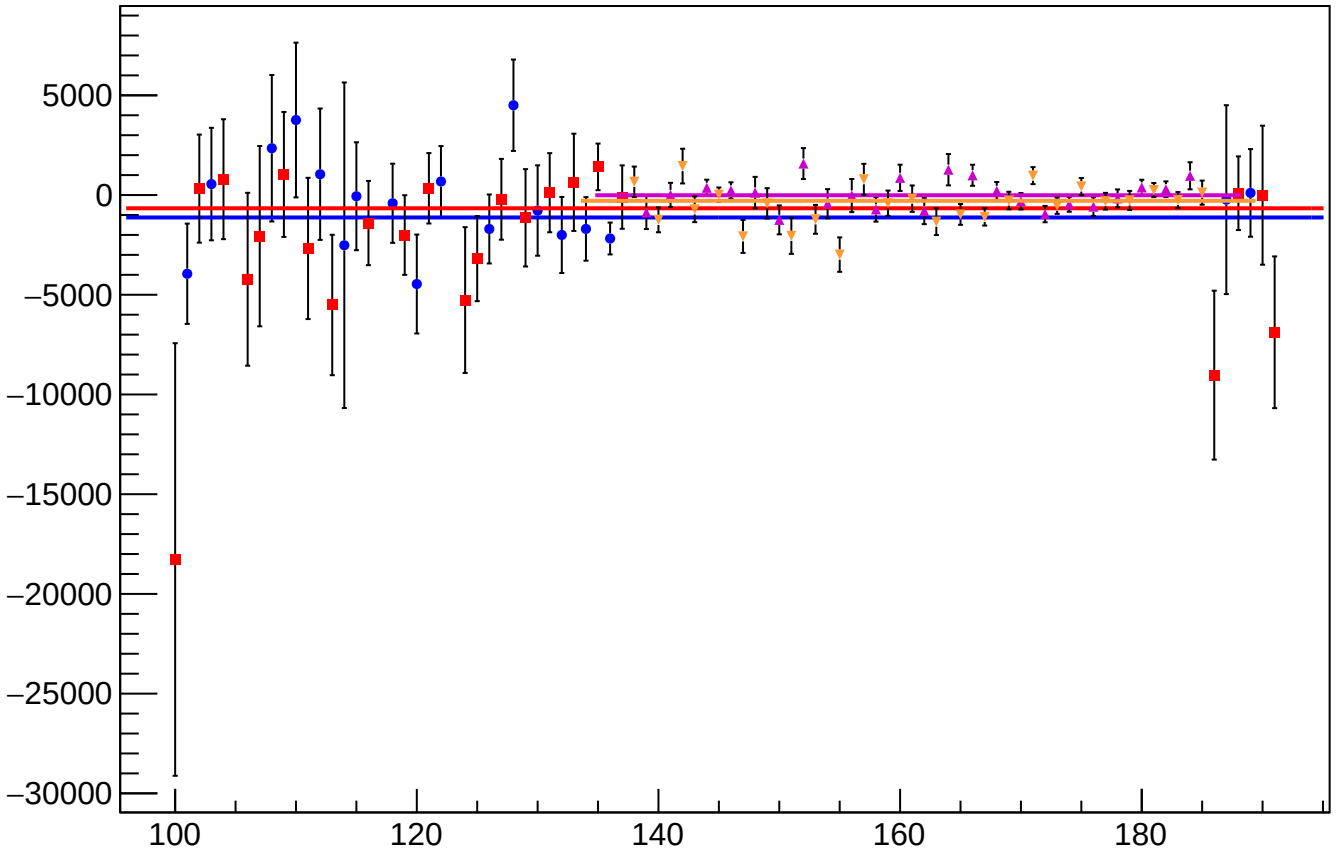
Right Out: 134.162+/-0.033 χ^2/NDF: 2494675.1/22

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 80.985+/-0.011 χ^2/NDF: 4436906.2/42

All: 81.822+/-0.008 χ^2/NDF: 10487116.0/88

- sign 82.709+/-0.012 χ^2/NDF: 6039273.9/45



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: -663.651+/-489.479 χ^2/NDF: 20.8/22

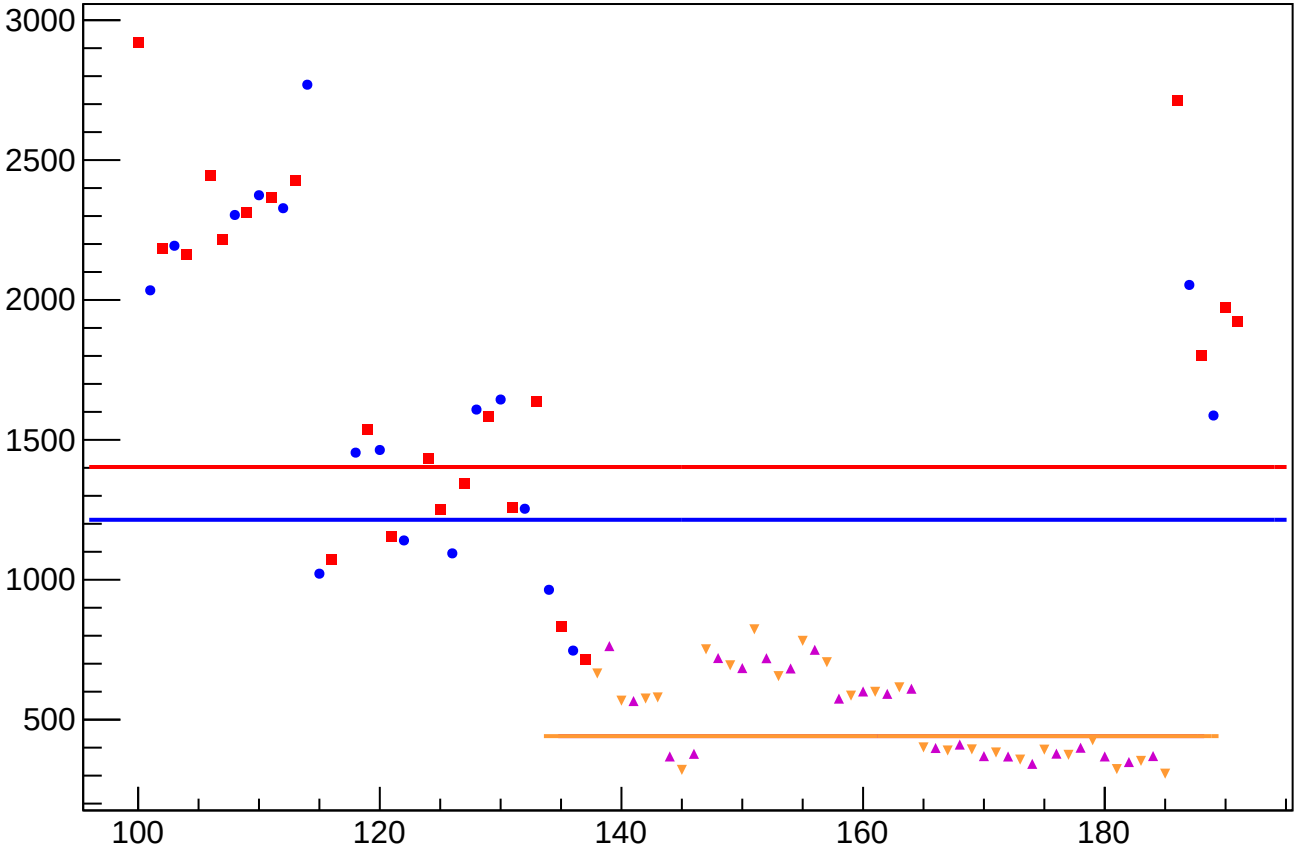
Left In: -10.643+/-107.669 χ^2/NDF:33.4/22

+ sign -328.720+/-102.643 χ^2/NDF: 72.6/42

All: -188.232+/-73.452 χ^2/NDF: 132.4/88

- sign -40.781+/-105.156 χ^2/NDF: 55.9/45

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: 1403.020+/-0.346 χ^2/NDF: 2372994.5/22

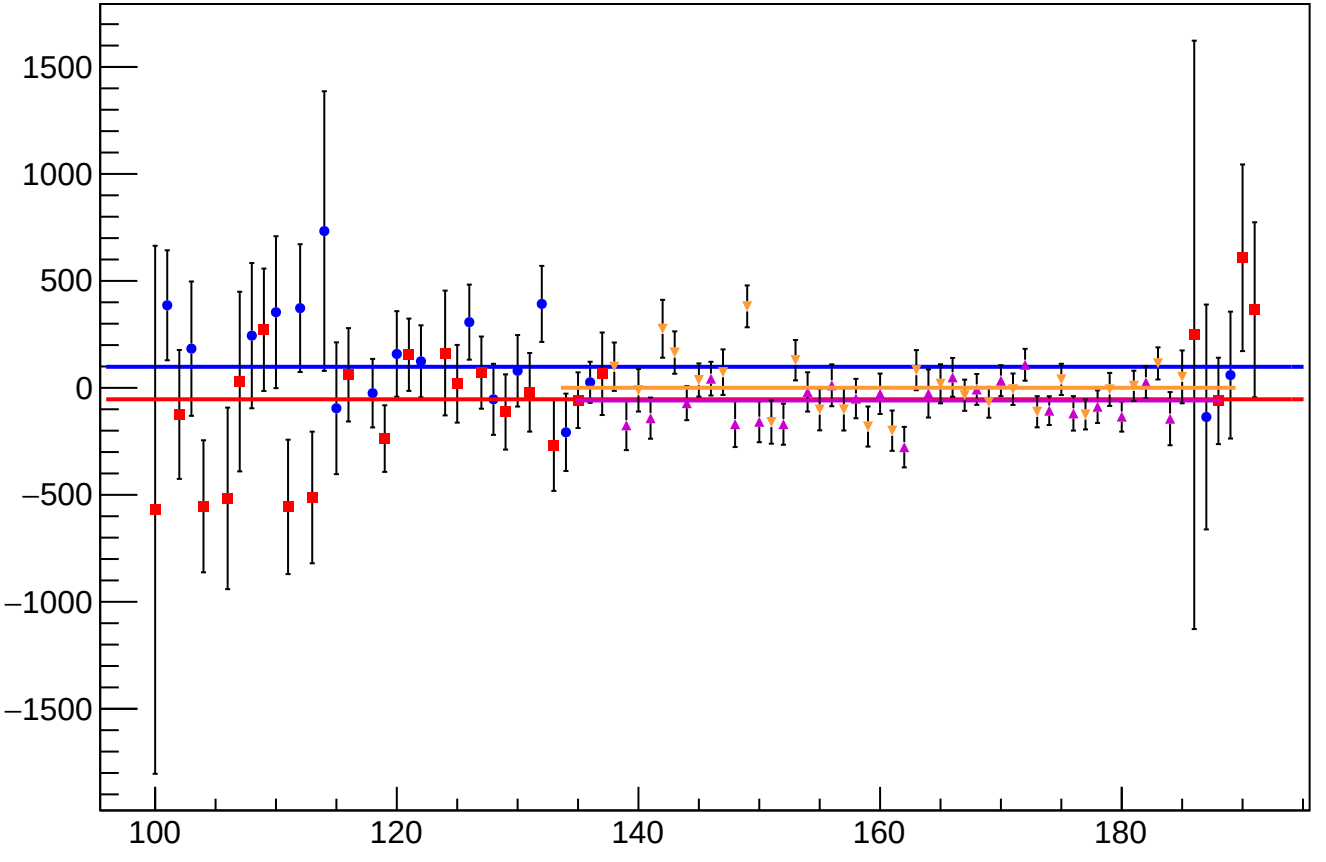
Left In: 441.196+/-0.076 χ^2/NDF:2682075.8/22

+ sign 478.698+/-0.073 χ^2/NDF: 10652364.6/42

All: 482.059+/-0.052 χ^2/NDF: 23077842.6/88

- sign 485.587+/-0.074 χ^2/NDF: 12421082.8/45

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: -53.403+/-47.286 χ^2/NDF: 19.6/22

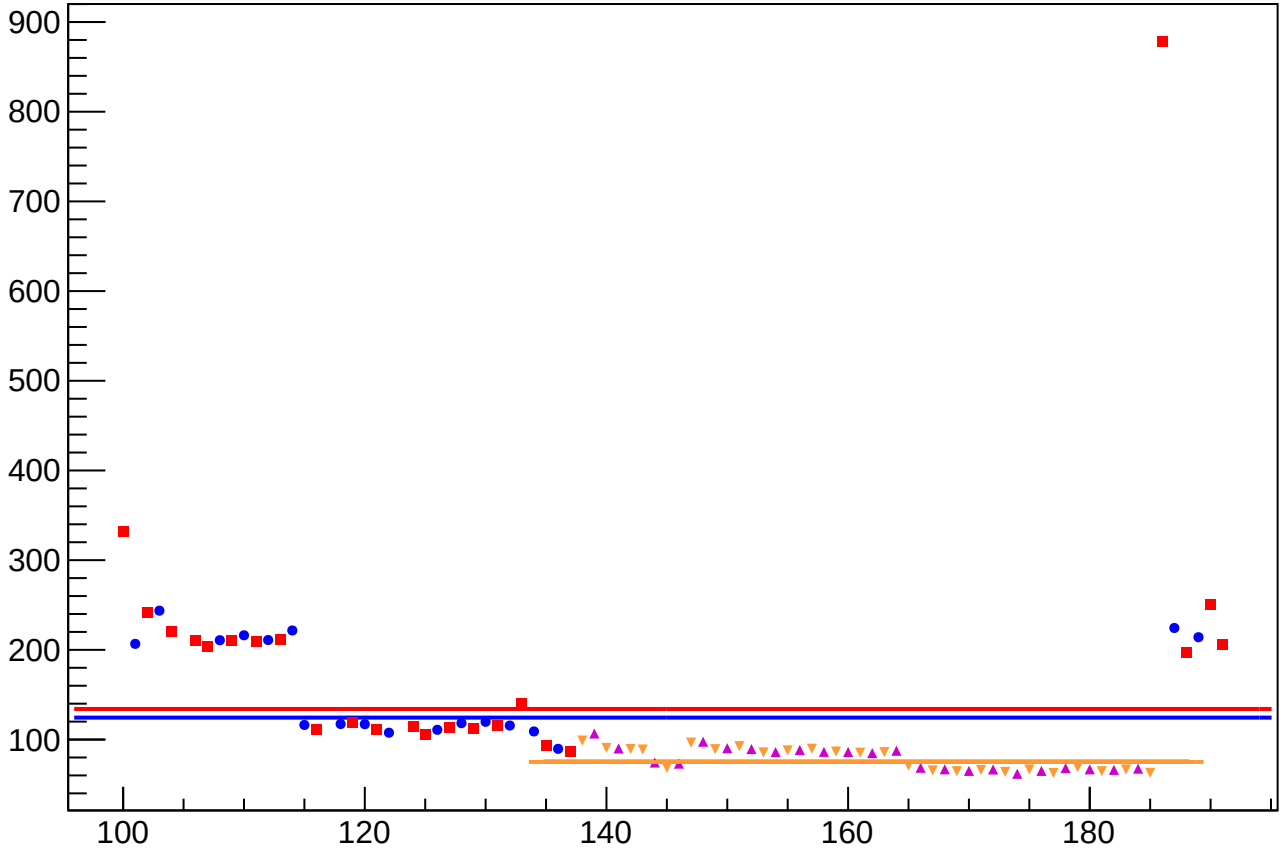
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

+ sign 12.375+/-16.244 χ^2/NDF: 66.0/42

All: -21.895+/-11.652 χ^2/NDF: 120.6/88

- sign -58.216+/-16.724 χ^2/NDF: 45.4/45

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

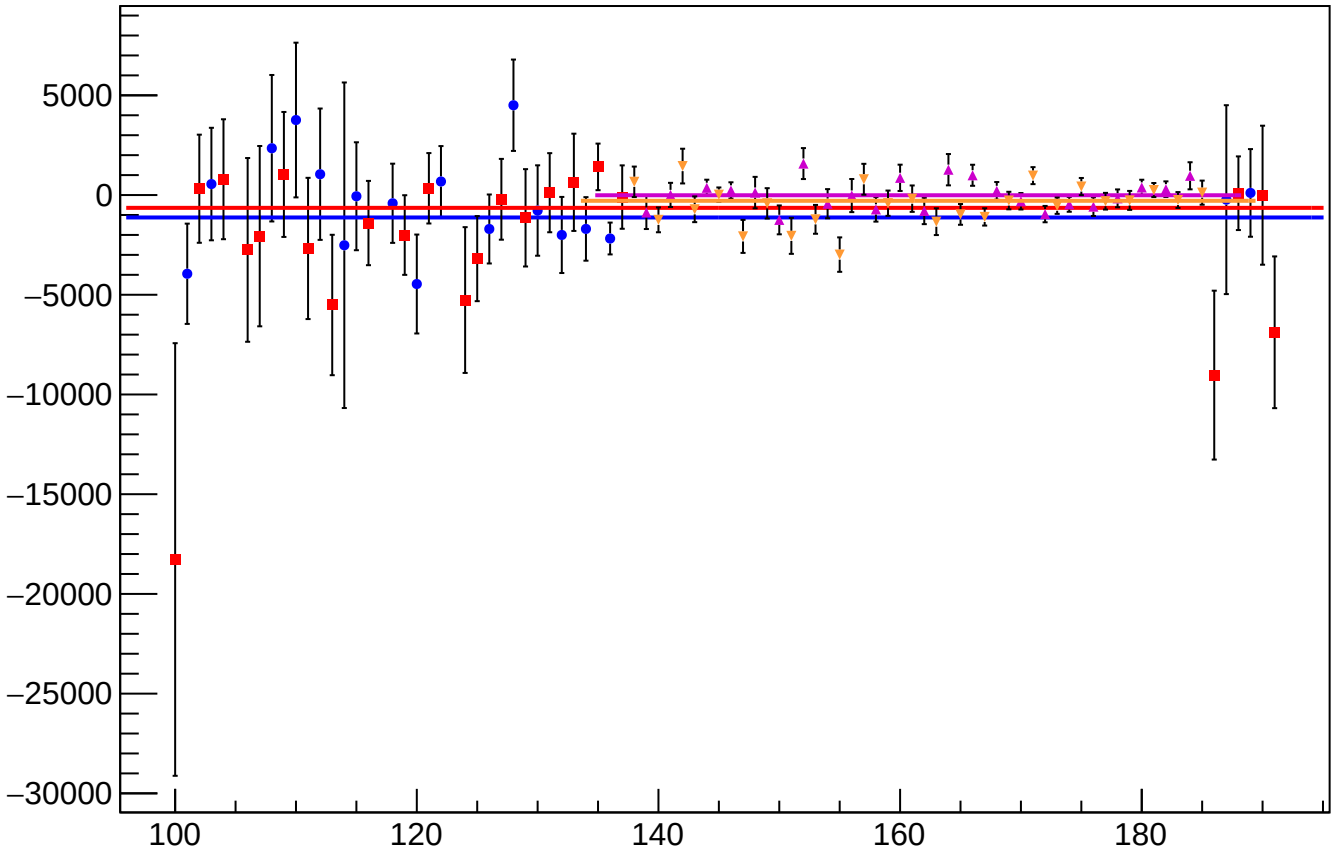
Right Out: 134.117+/-0.033 χ^2/NDF: 2489149.9/22

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 80.985+/-0.011 χ^2/NDF: 4436908.2/42

All: 81.819+/-0.008 χ^2/NDF: 10477087.6/88

- sign 82.702+/-0.012 χ^2/NDF: 6029324.5/45



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: -641.998+/-489.848 χ^2/NDF: 20.3/22

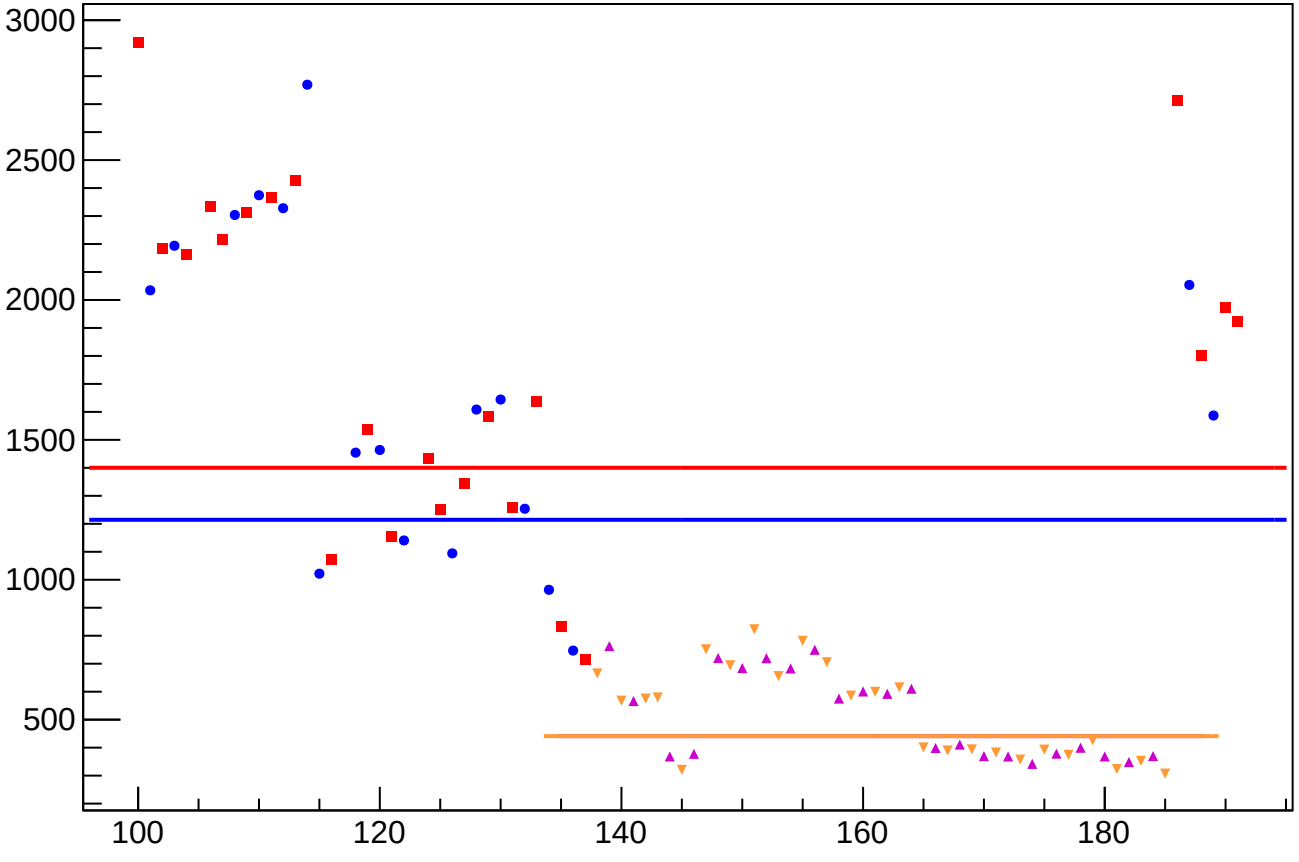
Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

+ sign -328.719+/-102.643 χ^2/NDF: 72.6/42

All: -187.729+/-73.453 χ^2/NDF: 131.8/88

- sign -39.741+/-105.159 χ^2/NDF: 55.3/45

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: 1400.271+/-0.346 χ^2/NDF: 2339707.6/22

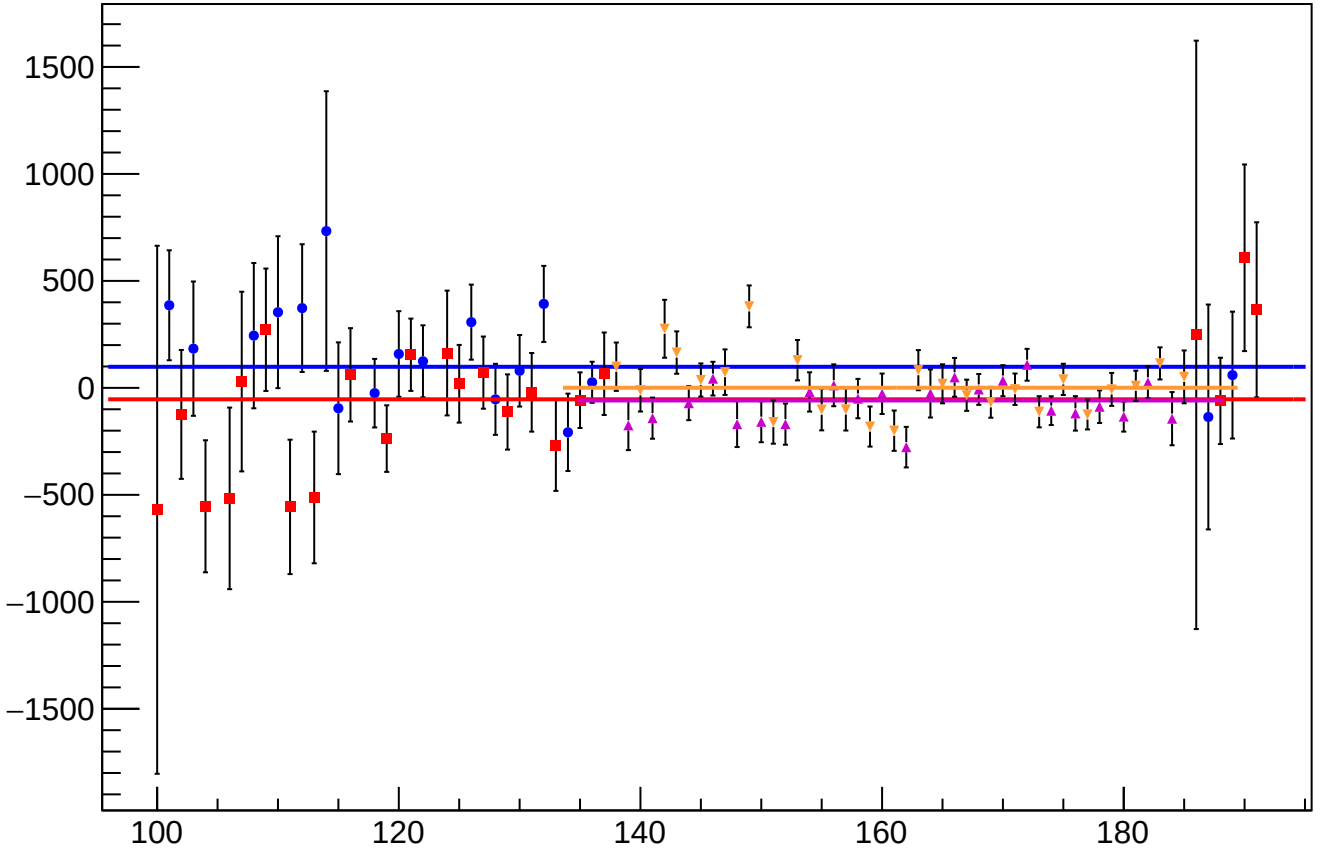
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

+ sign 478.698+/-0.073 χ^2/NDF: 10652372.4/42

All: 481.966+/-0.052 χ^2/NDF: 22991727.8/88

- sign 485.396+/-0.074 χ^2/NDF: 12335199.9/45

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: -53.403+/-47.286 χ^2/NDF: 19.6/22

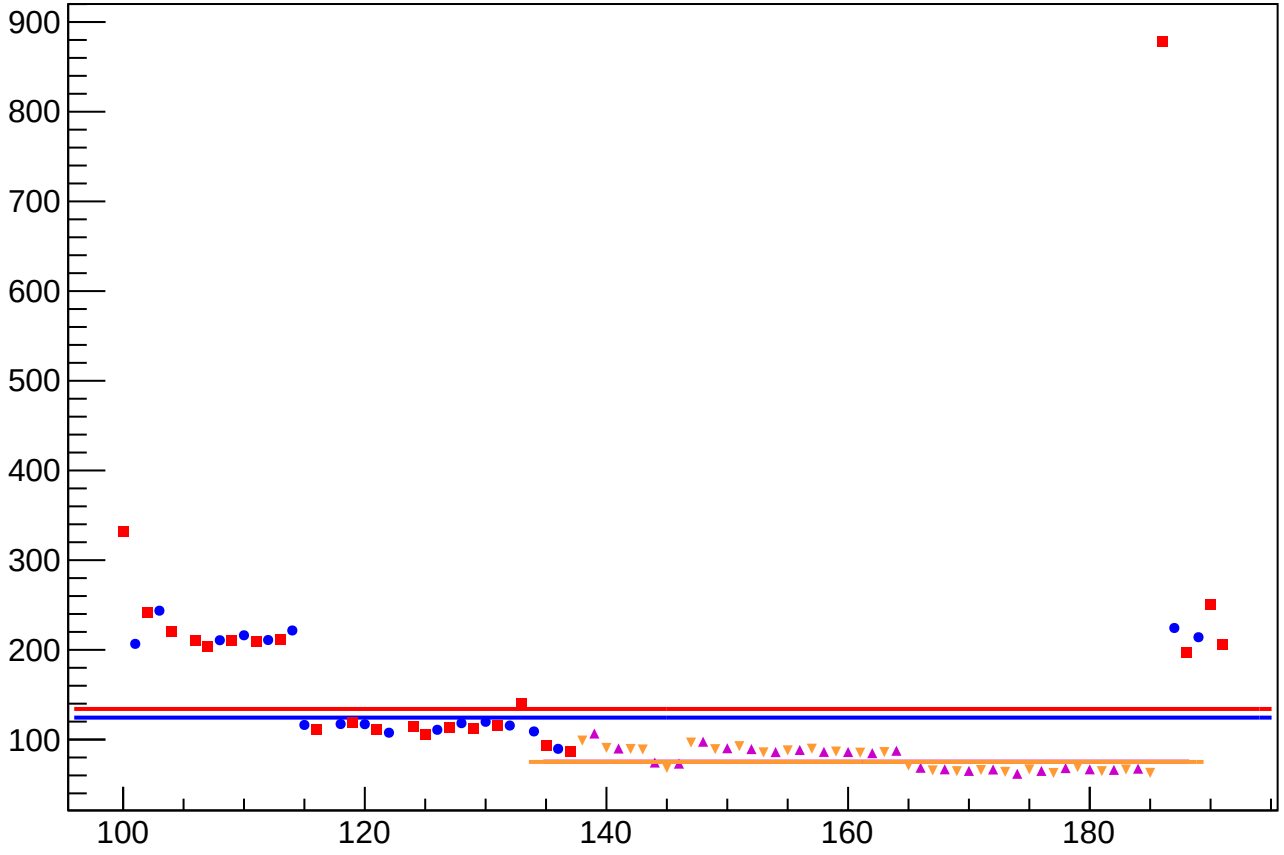
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

+ sign 12.375+/-16.244 χ^2/NDF: 66.0/42

All: -21.895+/-11.652 χ^2/NDF: 120.6/88

- sign -58.216+/-16.724 χ^2/NDF: 45.4/45

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

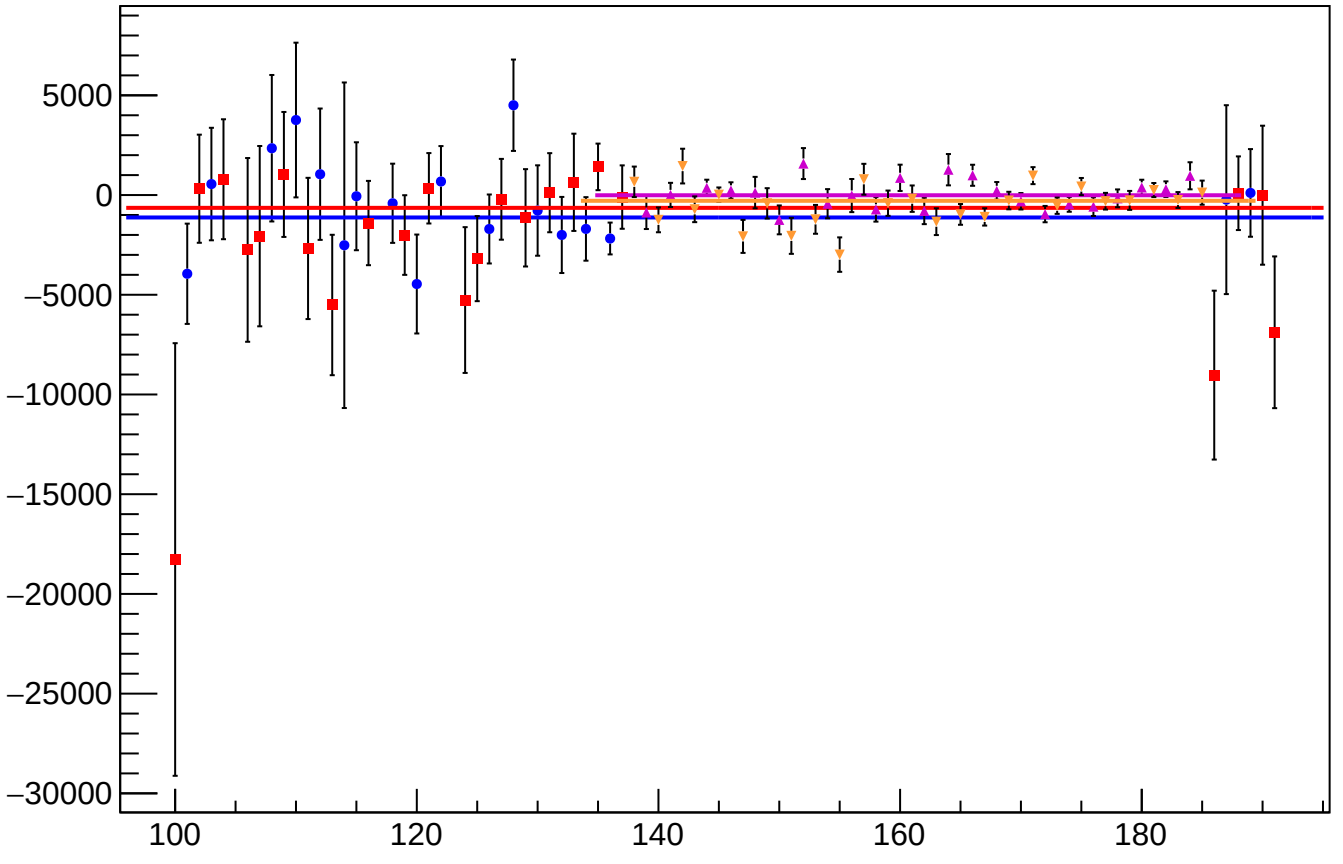
Right Out: 134.117+/-0.033 χ^2/NDF: 2489149.9/22

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 80.985+/-0.011 χ^2/NDF: 4436908.2/42

All: 81.819+/-0.008 χ^2/NDF: 10477087.6/88

- sign 82.702+/-0.012 χ^2/NDF: 6029324.5/45



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: -641.998+/-489.848 χ^2/NDF: 20.3/22

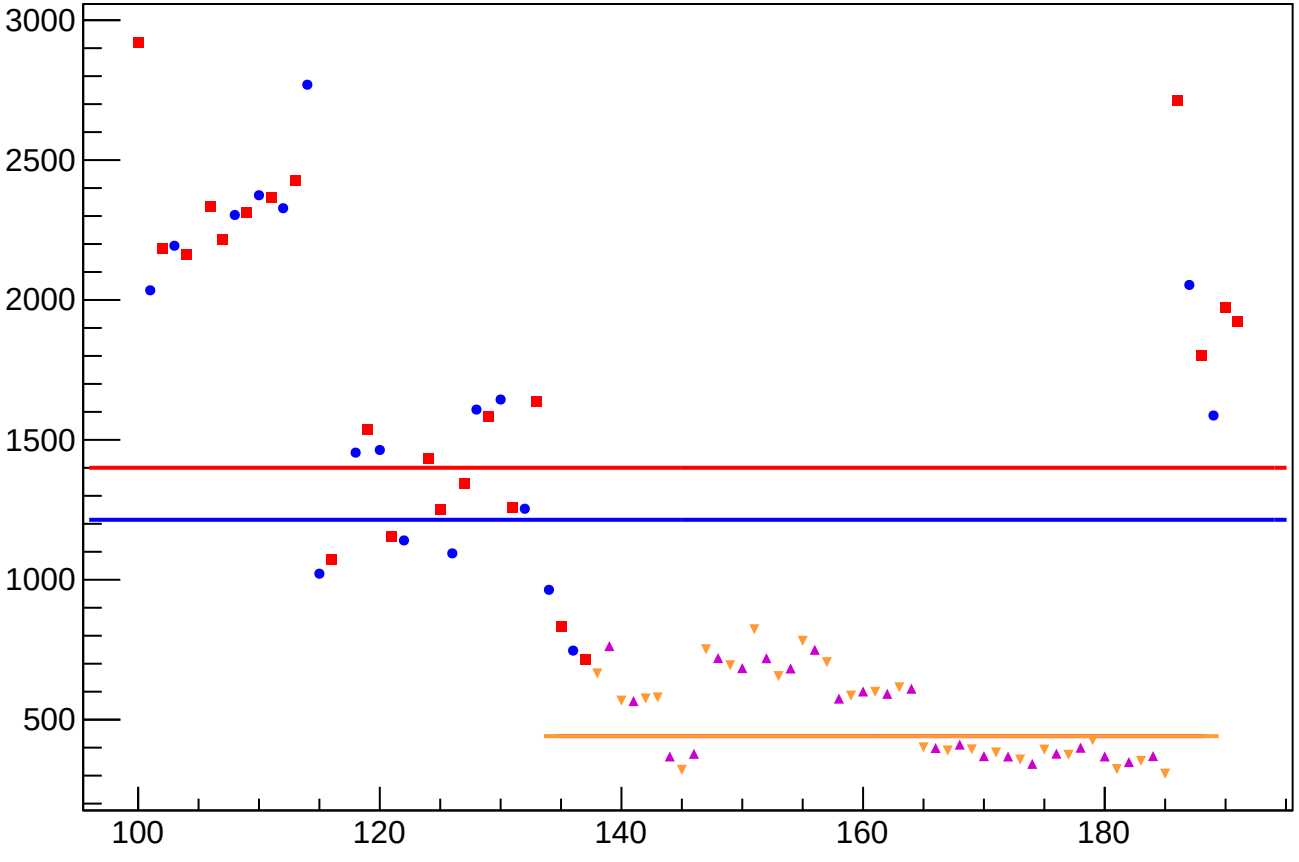
Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

+ sign -328.719+/-102.643 χ^2/NDF: 72.6/42

All: -187.729+/-73.453 χ^2/NDF: 131.8/88

- sign -39.741+/-105.159 χ^2/NDF: 55.3/45

asym_sam_26_avg_eigen_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: 1400.271+/-0.346 χ^2/NDF: 2339707.6/22

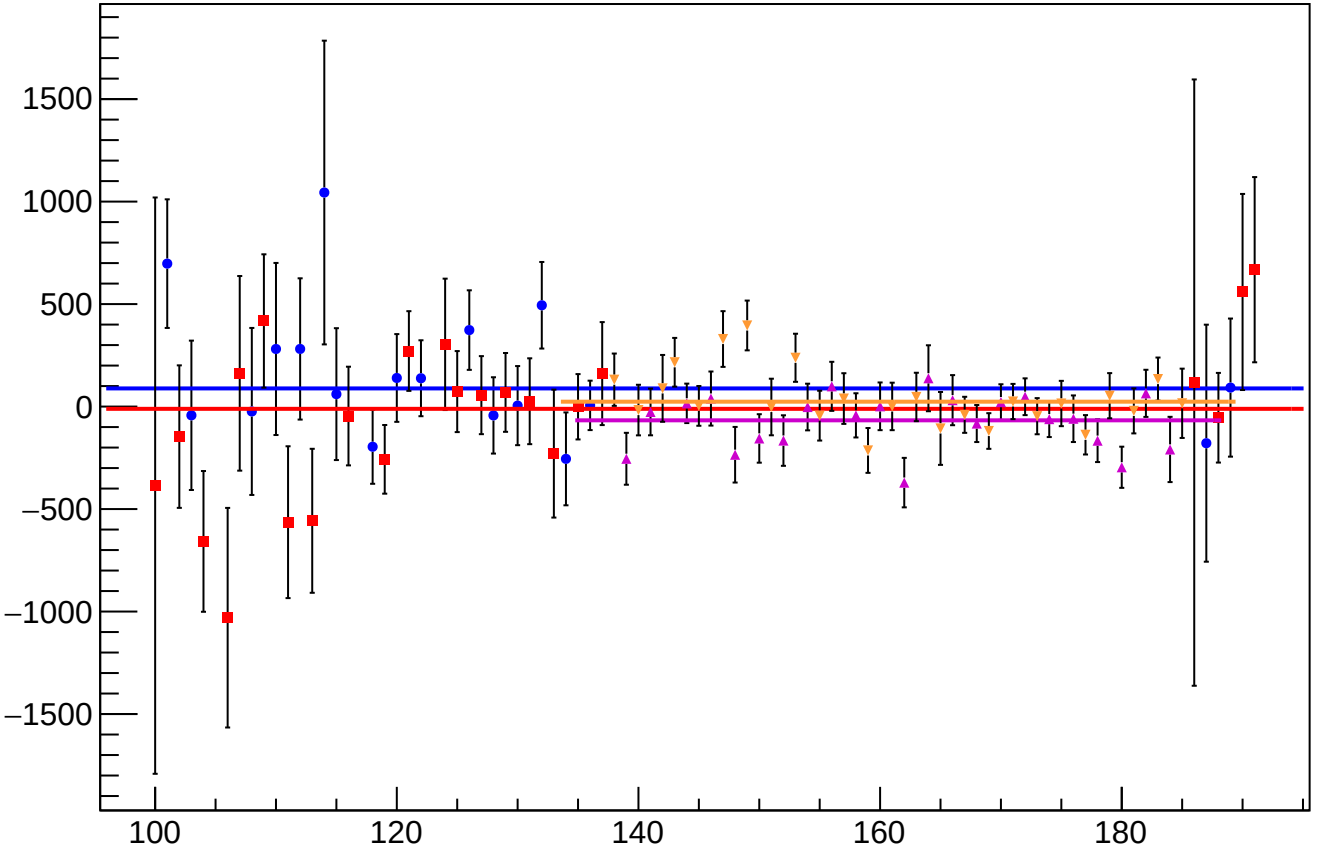
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

+ sign 478.698+/-0.073 χ^2/NDF: 10652372.4/42

All: 481.966+/-0.052 χ^2/NDF: 22991727.8/88

- sign 485.396+/-0.074 χ^2/NDF: 12335199.9/45

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: -11.020+/-54.372 χ^2/NDF: 24.4/22

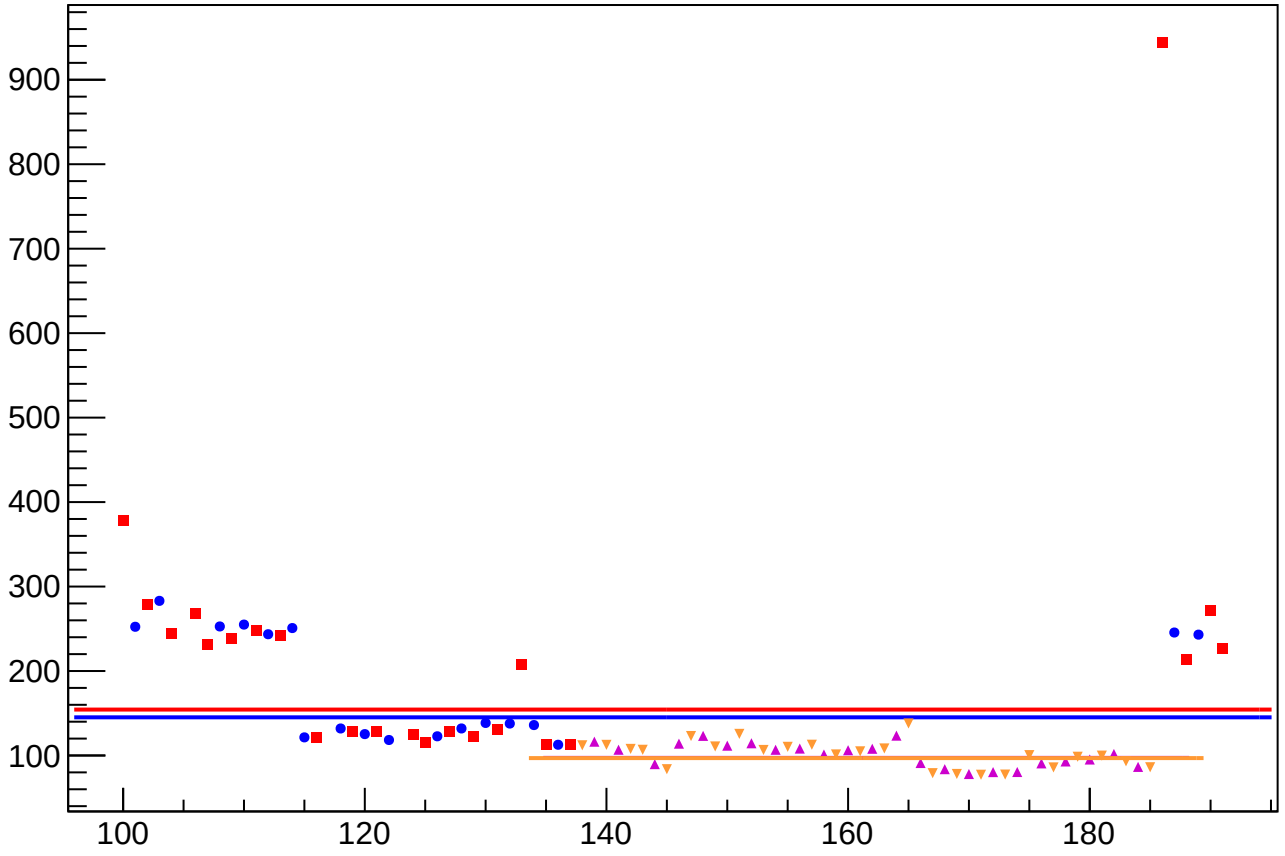
Left In: -67.086+/-23.121 χ^2/NDF:28.6/22

+ sign 33.207+/-20.734 χ^2/NDF: 54.7/42

All: -11.461+/-14.849 χ^2/NDF: 118.1/88

- sign -58.500+/-21.277 χ^2/NDF: 53.9/45

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

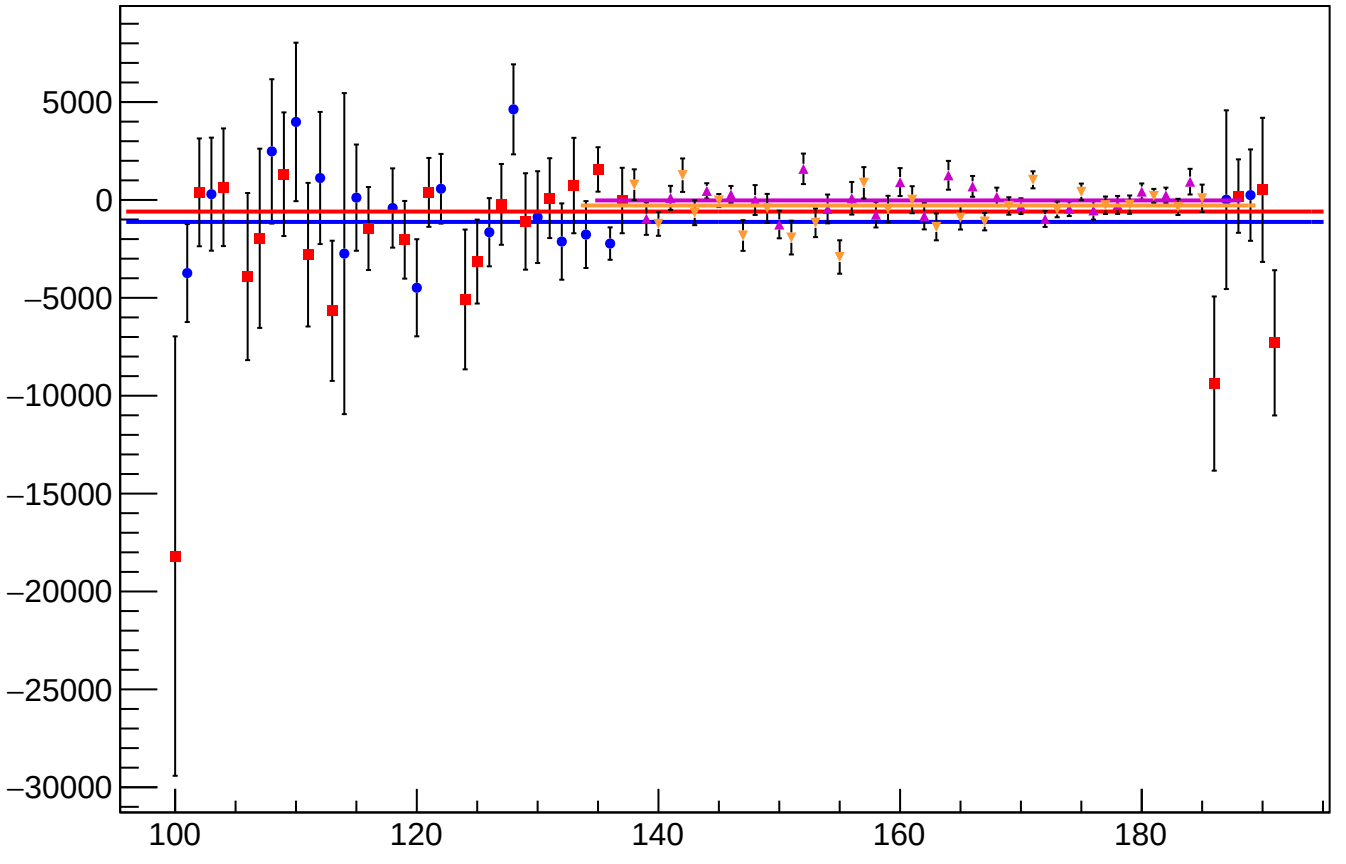
Right Out: 154.360+/-0.038 χ^2/NDF: 2439503.8/22

Left In: 97.167+/-0.016 χ^2/NDF:674595.2/22

+ sign 103.873+/-0.015 χ^2/NDF: 3772436.2/42

All: 104.873+/-0.011 χ^2/NDF: 8770061.5/88

- sign 105.925+/-0.015 χ^2/NDF: 4988080.7/45



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: -593.576+/-492.336 χ^2/NDF: 21.8/22

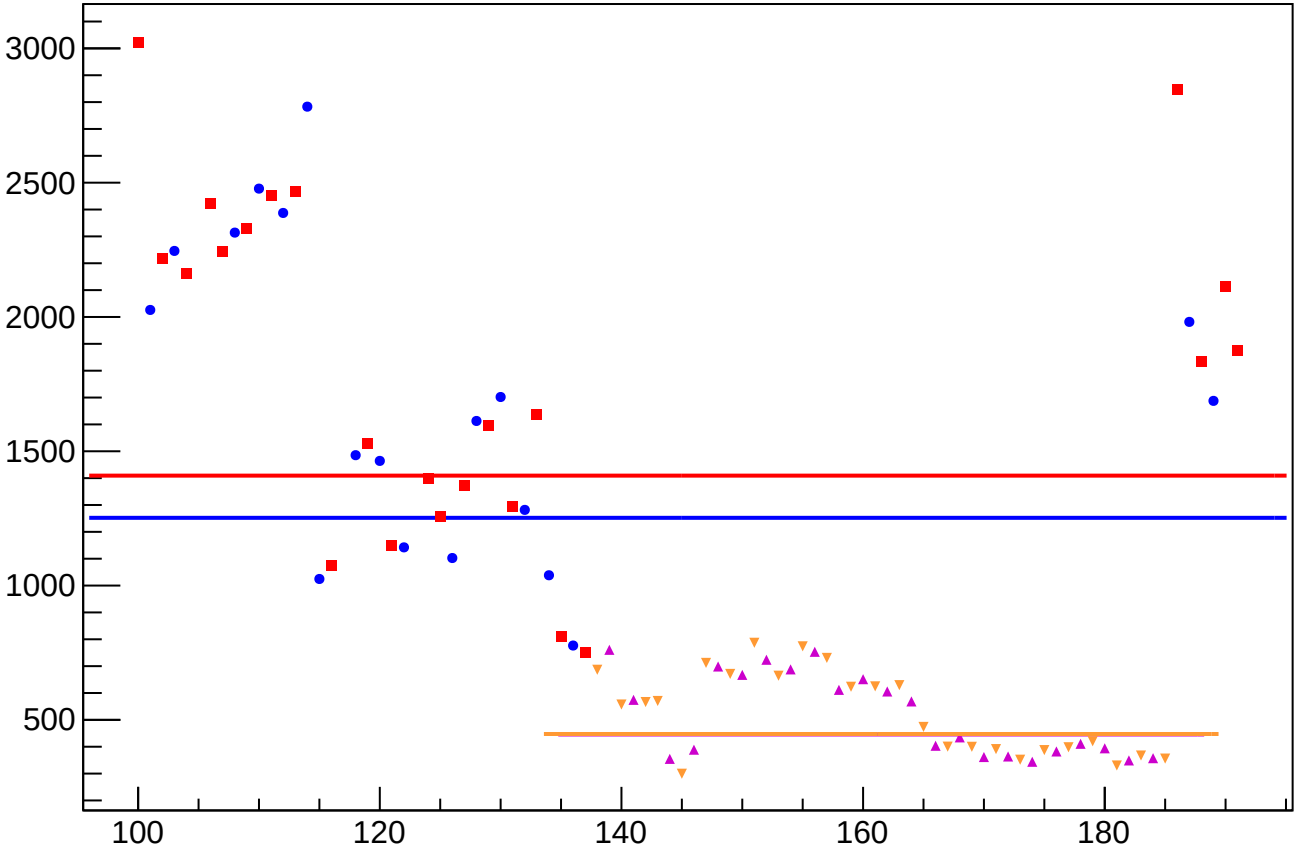
Left In: -24.625+/-108.884 χ^2/NDF:32.9/22

+ sign -322.060+/-103.855 χ^2/NDF: 69.8/42

All: -189.778+/-74.291 χ^2/NDF: 129.1/88

- sign -51.156+/-106.315 χ^2/NDF: 56.0/45

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: 1409.316+/-0.348 χ^2/NDF: 2453258.5/22

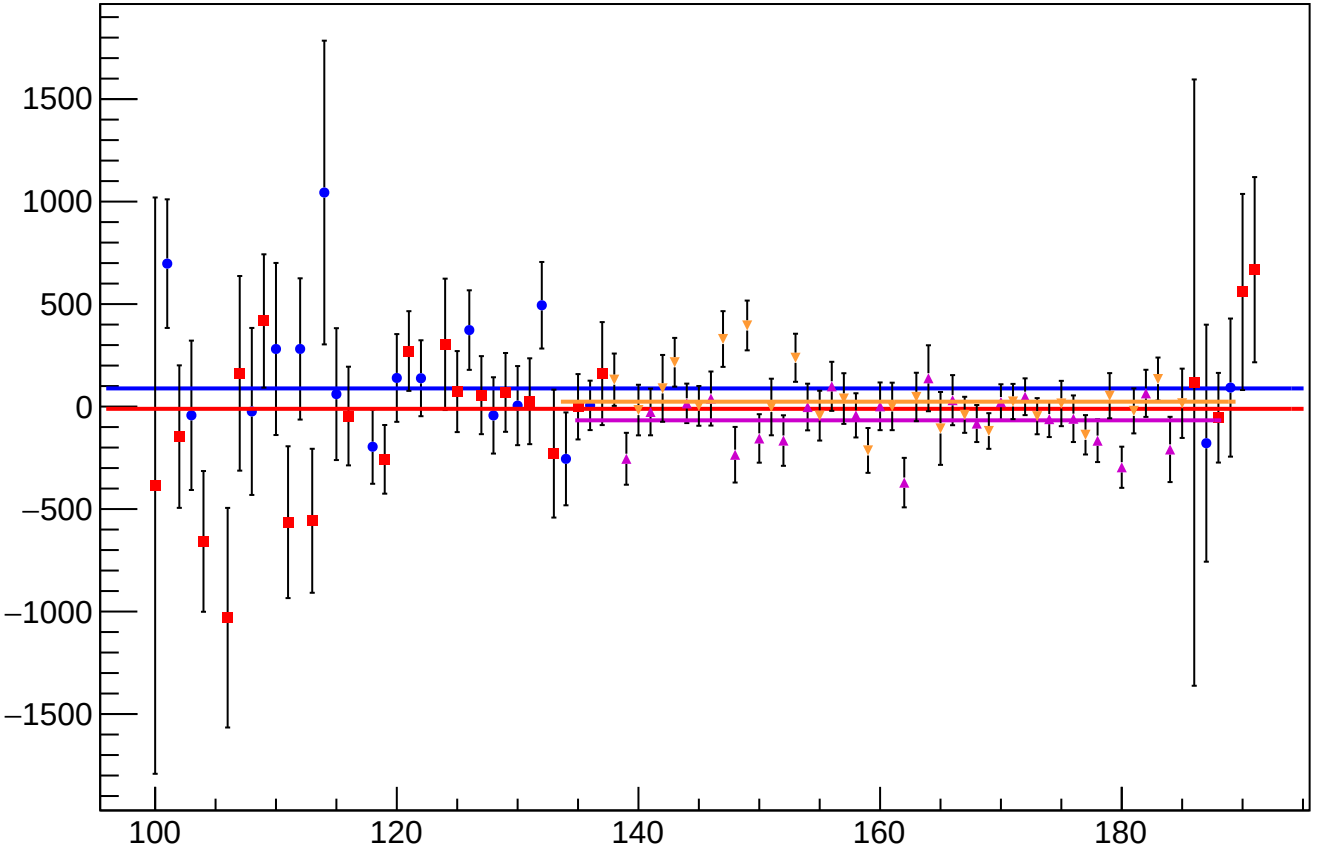
Left In: 445.491+/-0.077 χ^2/NDF:2713295.1/22

\+ sign 485.348+/-0.073 χ^2/NDF: 10682464.5/42

All: 487.831+/-0.053 χ^2/NDF: 23158785.8/88

\- sign 490.434+/-0.075 χ^2/NDF: 12473978.7/45

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: -11.021+/-54.372 χ^2/NDF: 24.4/22

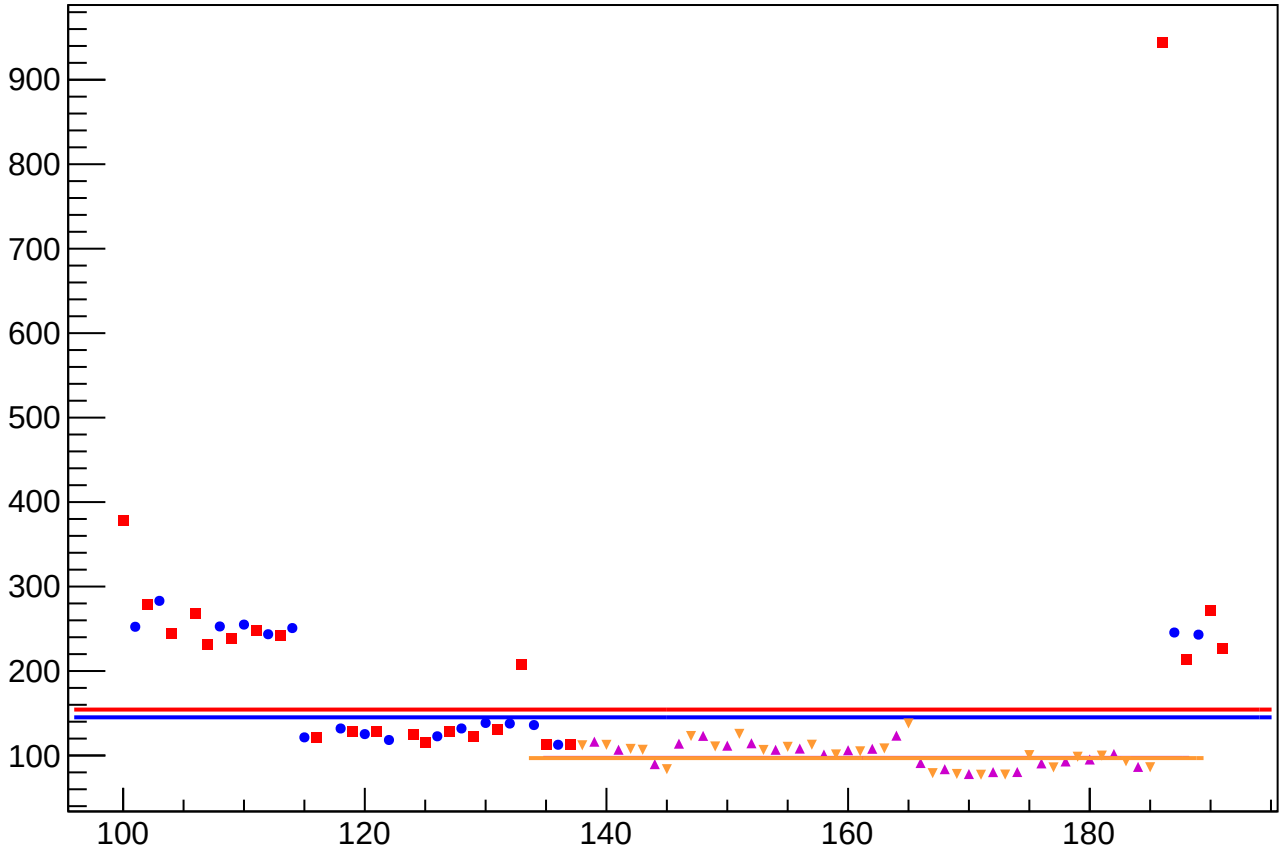
Left In: -67.085+/-23.121 χ^2/NDF:28.6/22

+ sign 33.206+/-20.734 χ^2/NDF: 54.7/42

All: -11.461+/-14.849 χ^2/NDF: 118.1/88

- sign -58.500+/-21.277 χ^2/NDF: 53.9/45

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

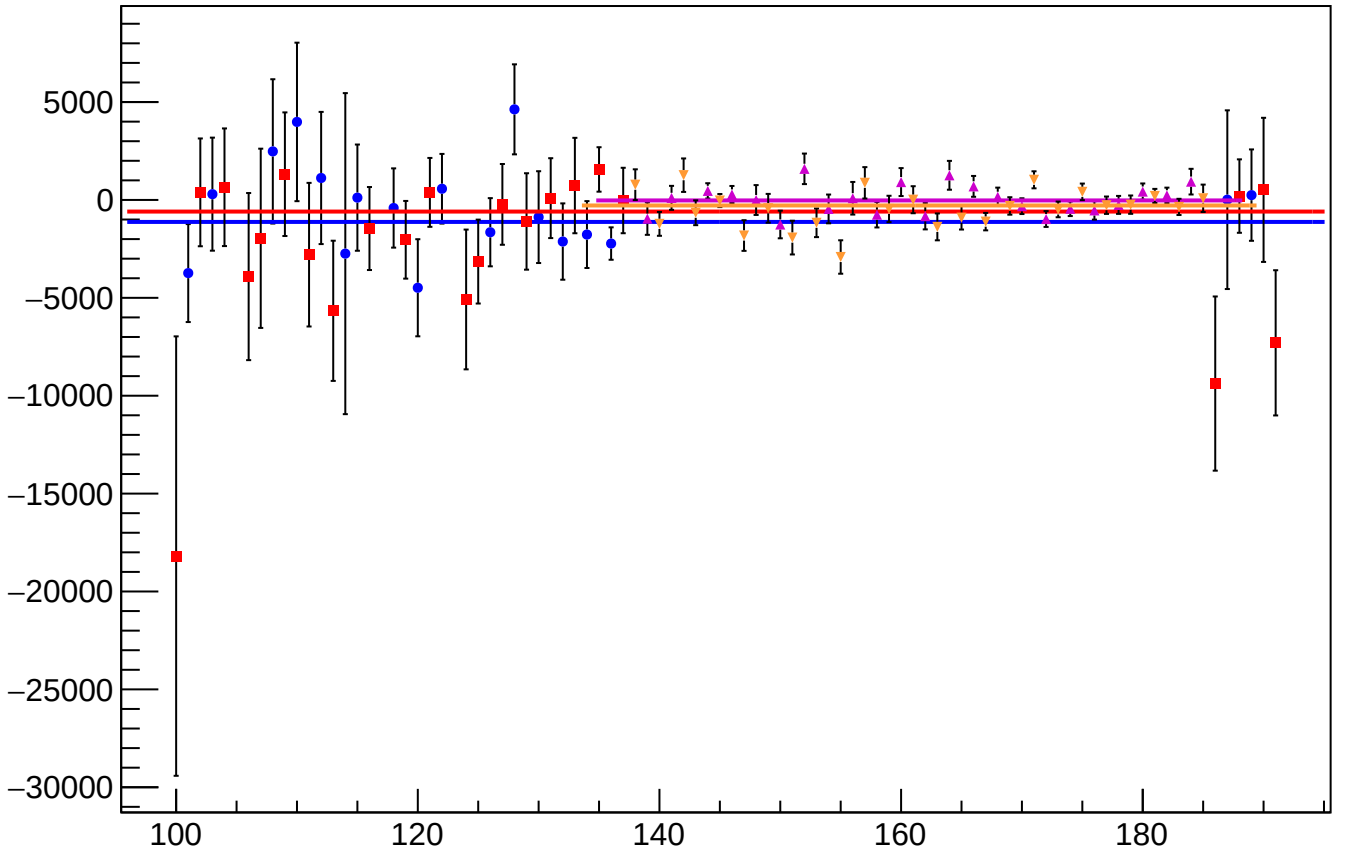
Right Out: 154.360+/-0.038 χ^2/NDF: 2439494.7/22

Left In: 97.168+/-0.016 χ^2/NDF:674586.0/22

\+ sign 103.873+/-0.015 χ^2/NDF: 3772381.6/42

All: 104.873+/-0.011 χ^2/NDF: 8769947.8/88

\- sign 105.926+/-0.015 χ^2/NDF: 4988020.5/45



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: -593.578+/-492.335 χ^2/NDF: 21.8/22

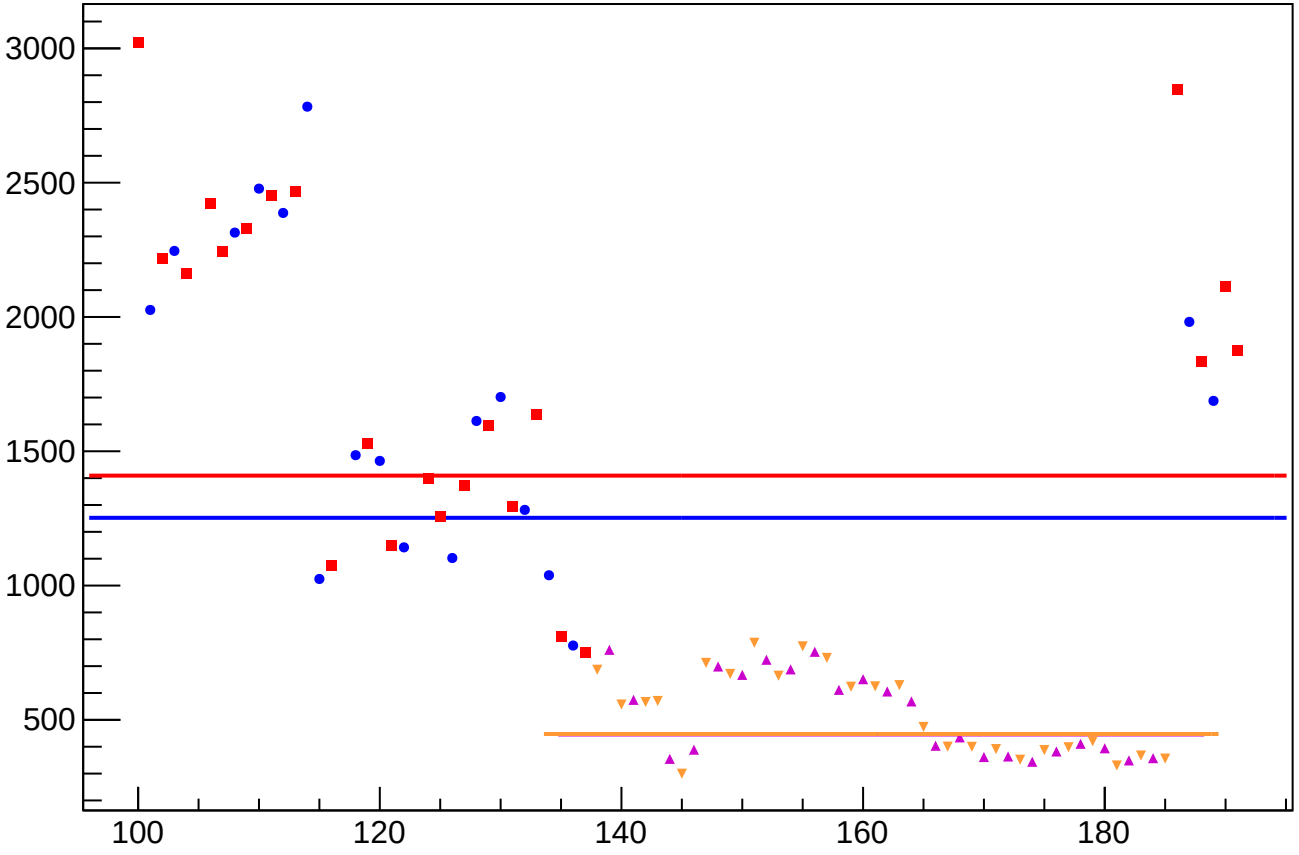
Left In: -24.626+/-108.884 χ^2/NDF:32.9/22

+ sign -322.059+/-103.855 χ^2/NDF: 69.8/42

All: -189.778+/-74.291 χ^2/NDF: 129.1/88

- sign -51.156+/-106.315 χ^2/NDF: 56.0/45

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: 1409.315+/-0.348 χ^2/NDF: 2453243.0/22

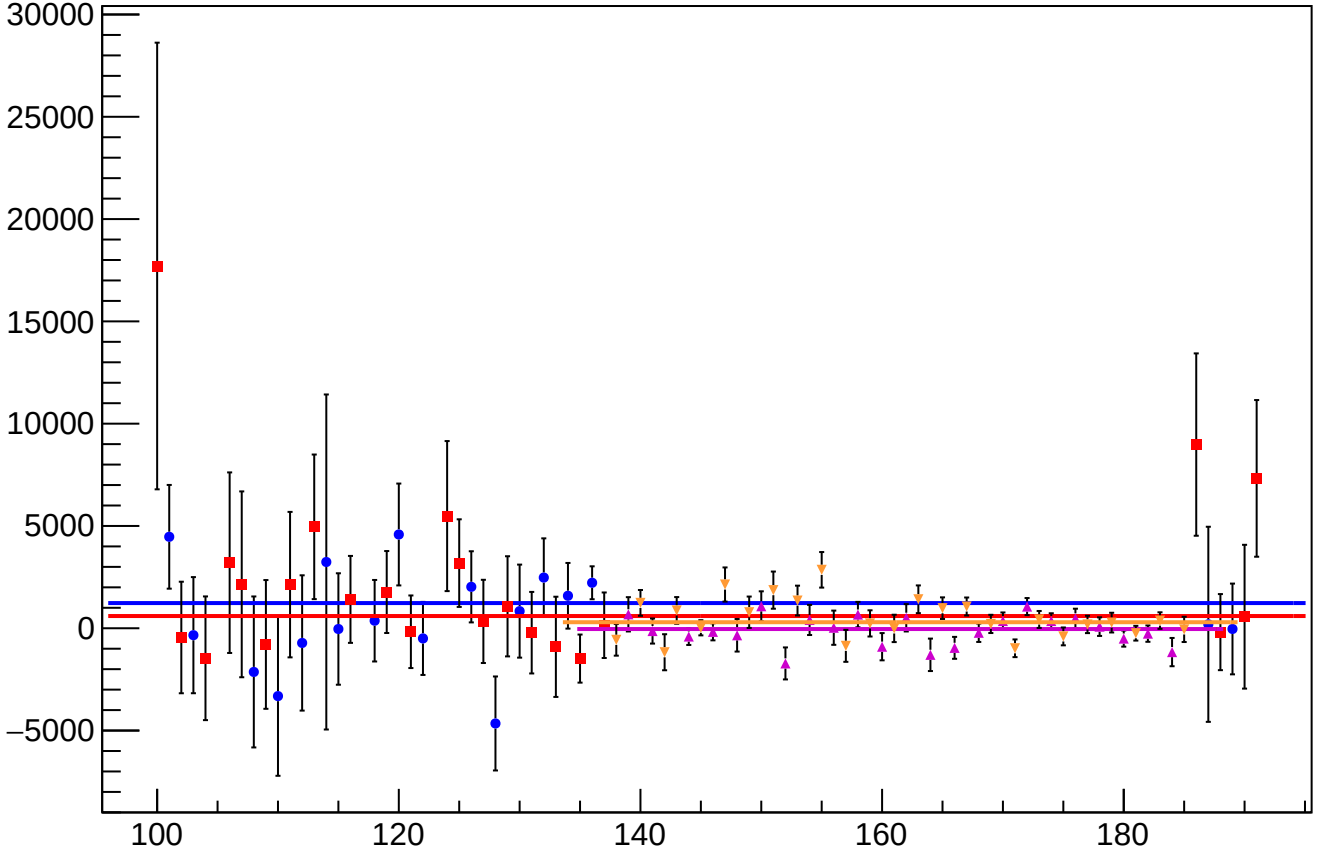
Left In: 445.491+/-0.077 χ^2/NDF:2713303.9/22

+ sign 485.347+/-0.073 χ^2/NDF: 10682477.0/42

All: 487.831+/-0.053 χ^2/NDF: 23158800.0/88

- sign 490.434+/-0.075 χ^2/NDF: 12473980.4/45

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: 597.322+/-492.452 χ^2/NDF: 20.0/22

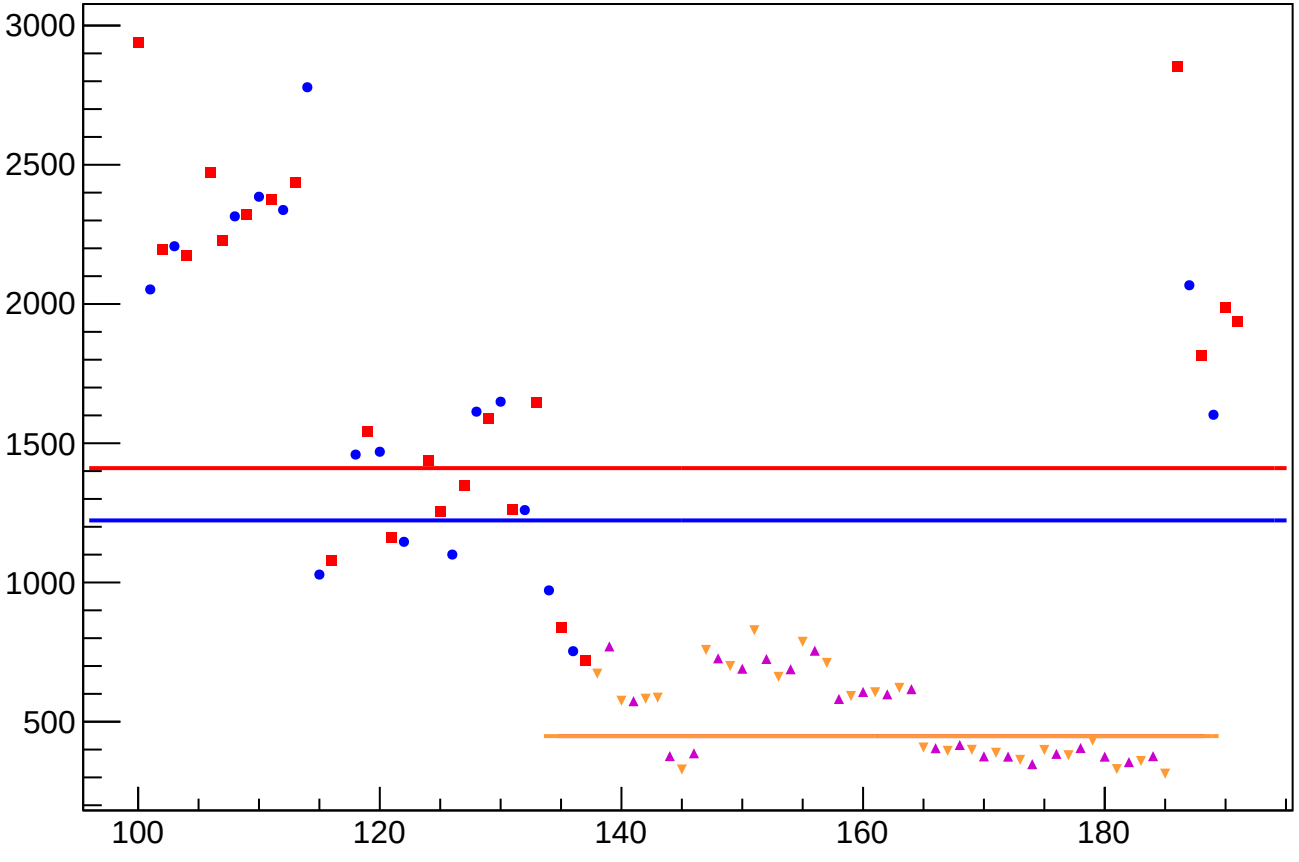
Left In: -38.107+/-109.315 χ^2/NDF:32.9/22

+ sign 341.228+/-104.140 χ^2/NDF: 71.2/42

All: 170.754+/-74.533 χ^2/NDF: 131.1/88

- sign -8.266+/-106.718 χ^2/NDF: 54.5/45

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

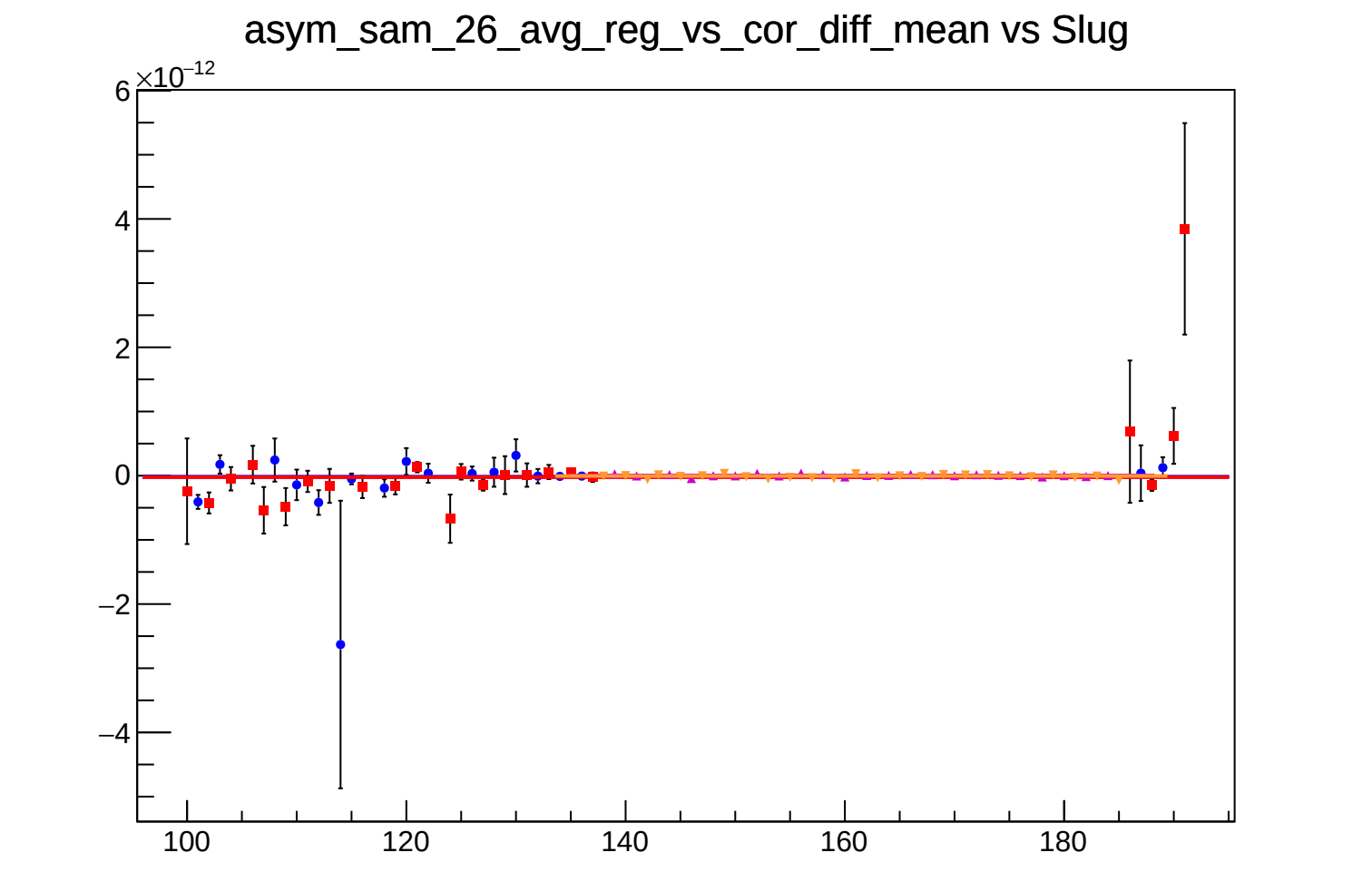
Right Out: 1410.658+/-0.348 χ^2/NDF: 2388062.1/22

Left In: 448.397+/-0.077 χ^2/NDF:2620759.6/22

+ sign 486.521+/-0.074 χ^2/NDF: 10509222.1/42

All: 489.968+/-0.053 χ^2/NDF: 22800308.9/88

- sign 493.587+/-0.075 χ^2/NDF: 12286596.0/45



Right In: -0.000+/-0.000 χ^2/NDF: 27.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:23.2/24

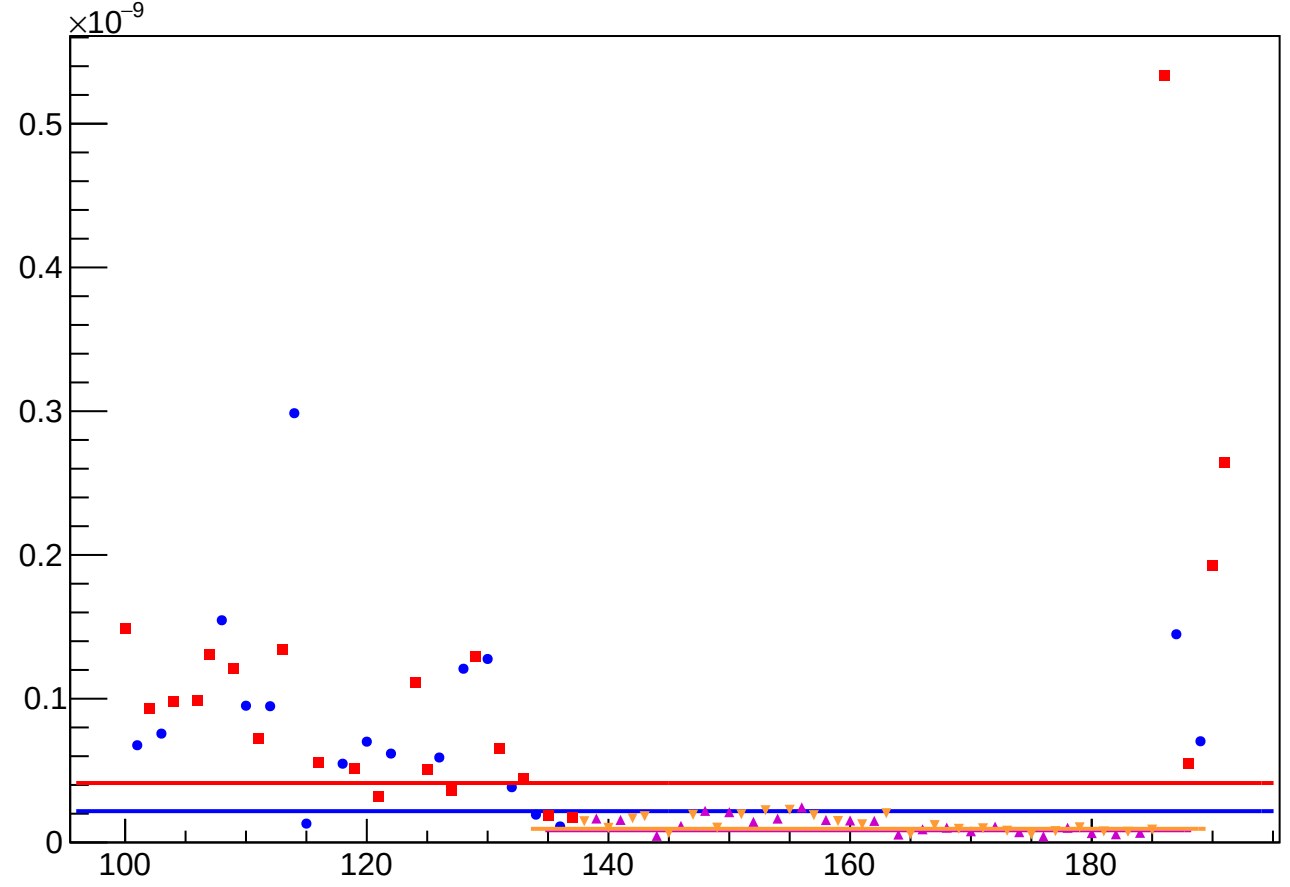
Right Out: -0.000+/-0.000 χ^2/NDF: 35.6/22

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: 107.1/88

- sign 0.000+/-0.000 χ^2/NDF: 53.4/45



Right In: 0.000+/-0.000 χ^2/NDF: 3723508.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:2422094.9/24

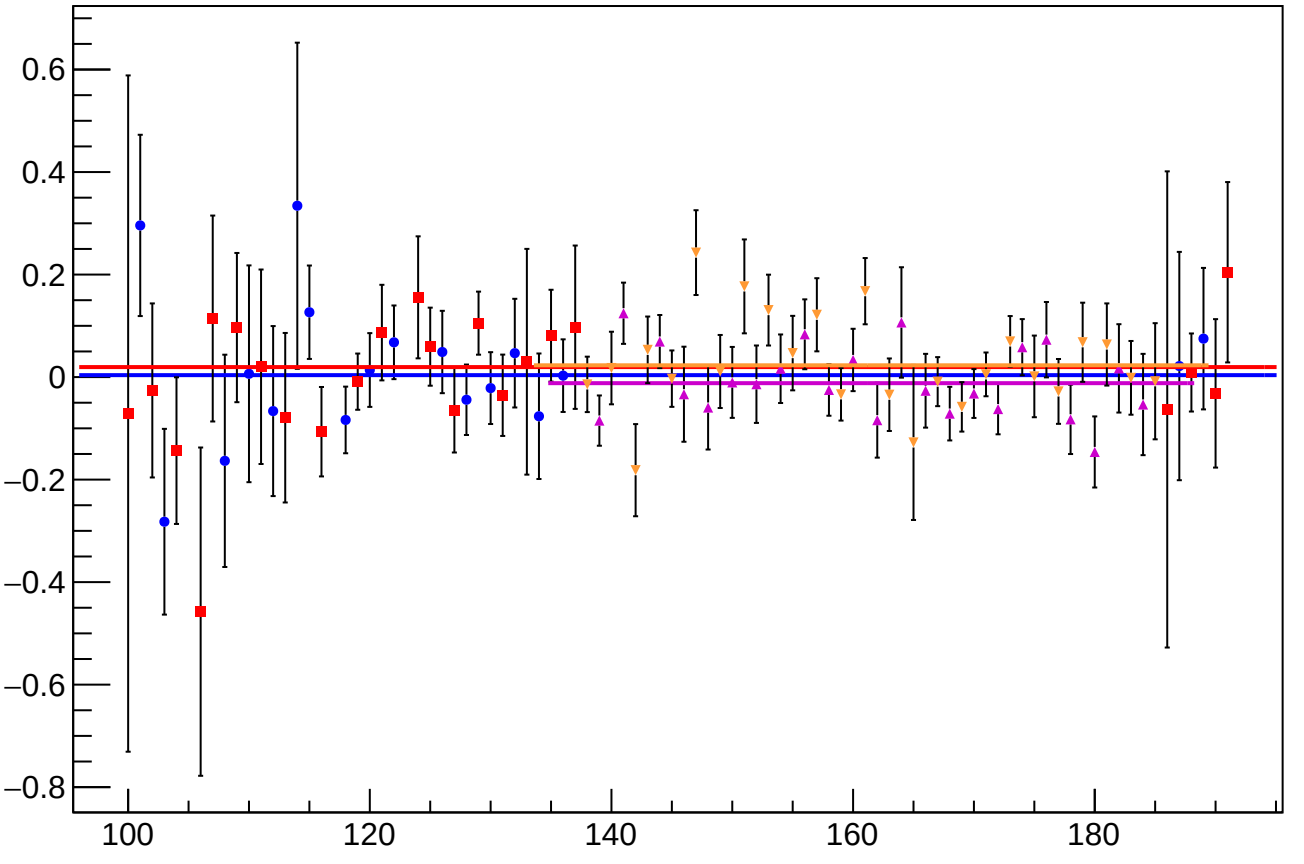
Right Out: 0.000+/-0.000 χ^2/NDF: 2807388.3/22

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: 15727951.5/88

- sign 0.000+/-0.000 χ^2/NDF: 8603237.5/45



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: 0.020+/-0.022 χ^2/NDF: 14.4/22

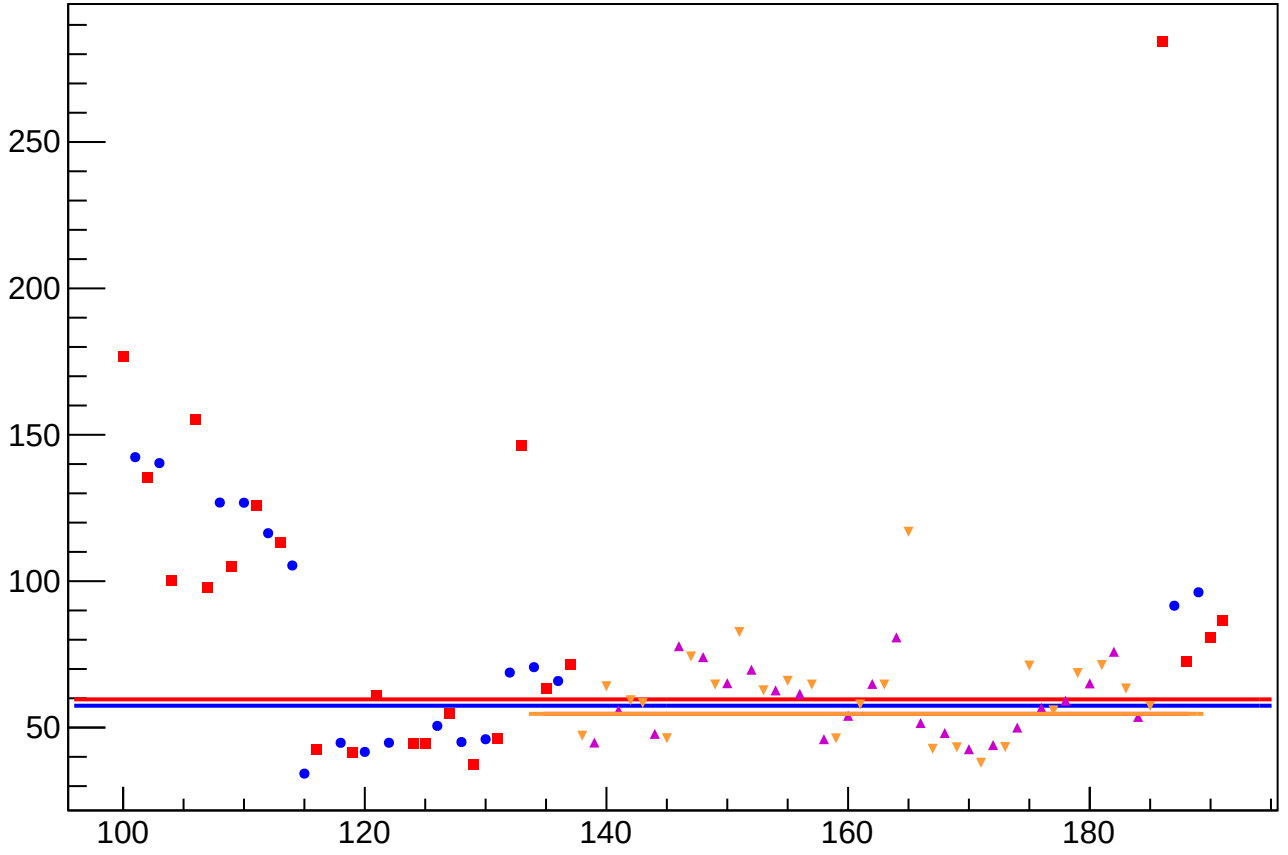
Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.018+/-0.011 χ^2/NDF: 48.1/42

All: 0.008+/-0.008 χ^2/NDF: 91.7/88

- sign -0.004+/-0.011 χ^2/NDF: 41.7/45

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

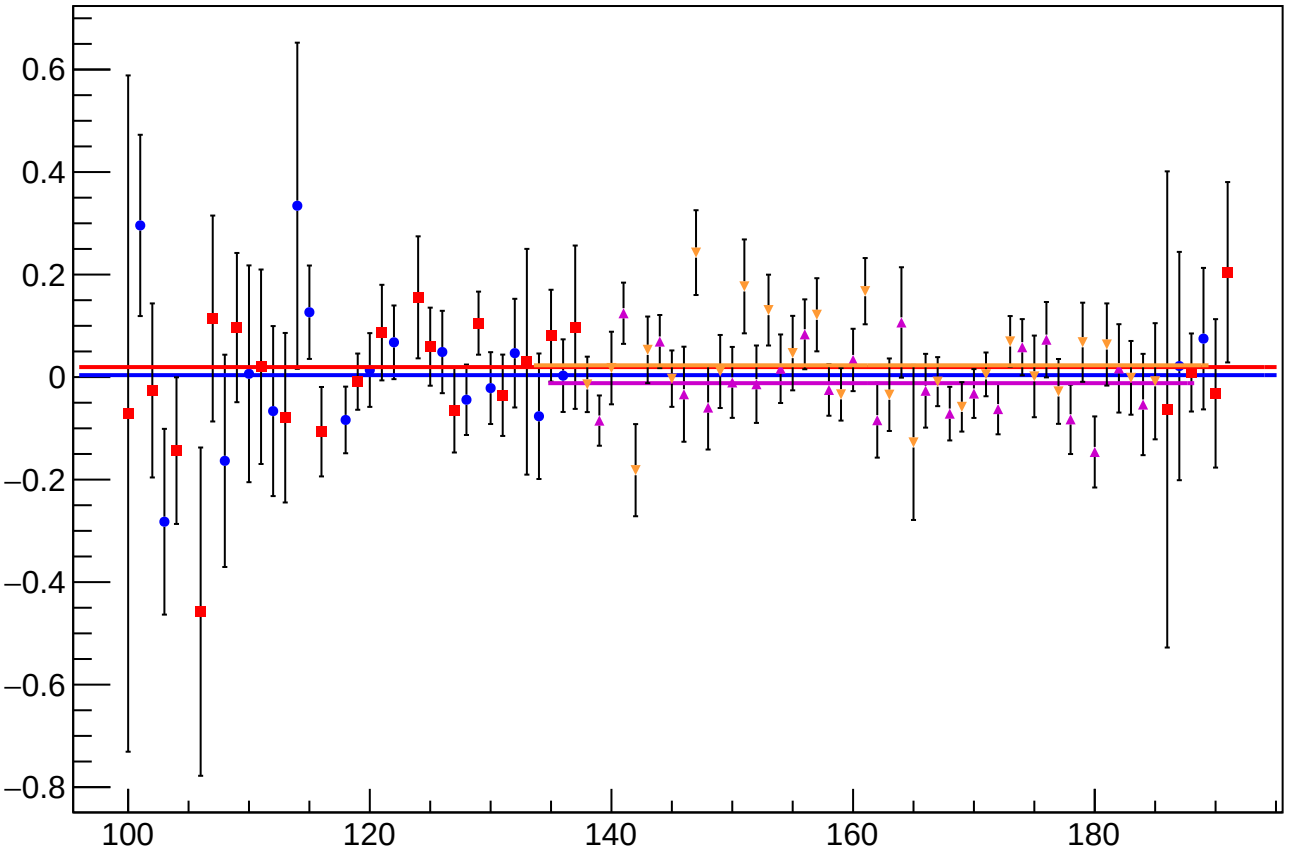
Right Out: 59.633+/-0.016 χ^2/NDF: 3199576.0/22

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

+ sign 55.354+/-0.008 χ^2/NDF: 4351363.2/42

All: 55.677+/-0.006 χ^2/NDF: 8819156.6/88

- sign 56.005+/-0.008 χ^2/NDF: 4464477.3/45



Right In: 0.004+/-0.023 χ^2/NDF: 13.4/17

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

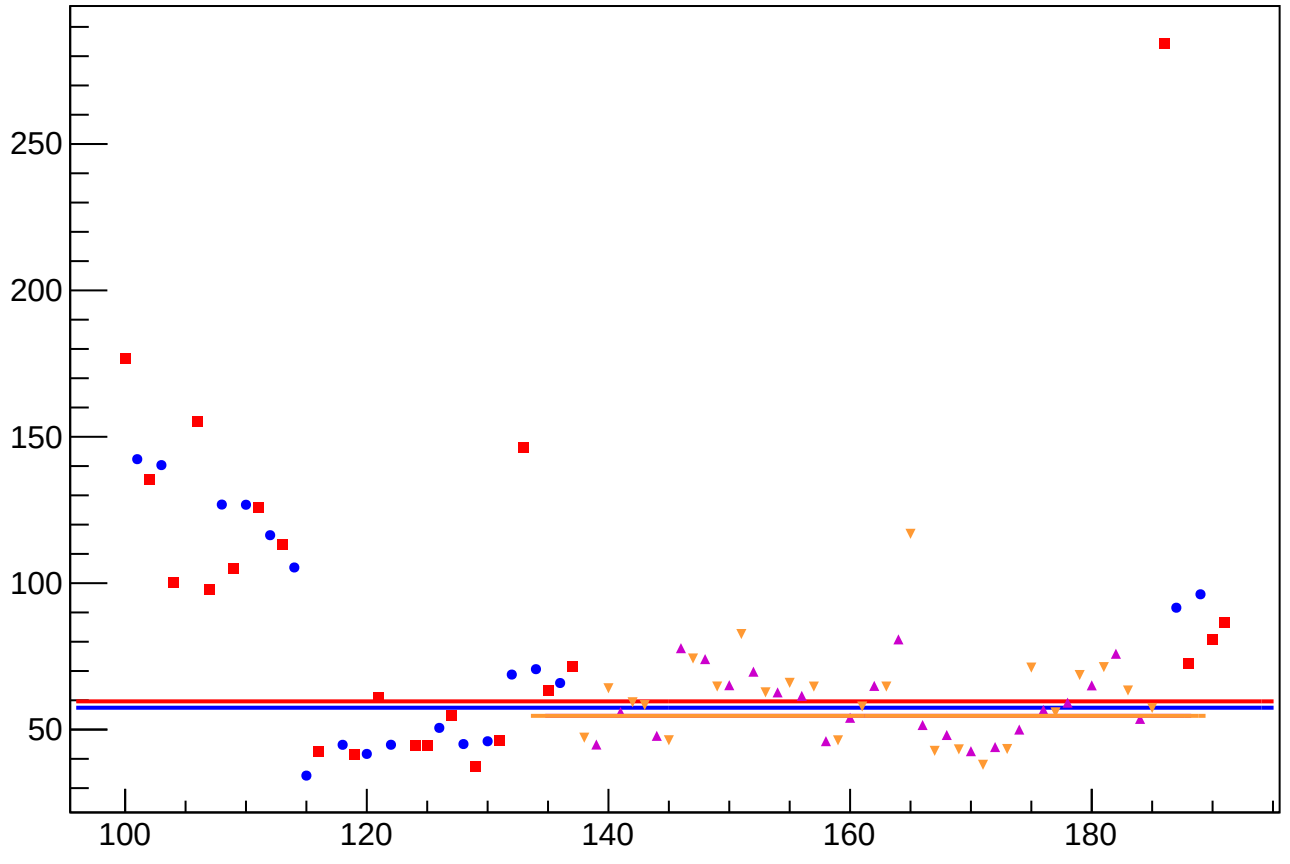
Right Out: 0.020+/-0.022 χ^2/NDF: 14.4/22

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.018+/-0.011 χ^2/NDF: 48.1/42

All: 0.008+/-0.008 χ^2/NDF: 91.7/88

- sign -0.004+/-0.011 χ^2/NDF: 41.7/45



Right In: 57.461+/-0.016 χ^2/NDF: 2392621.4/17

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

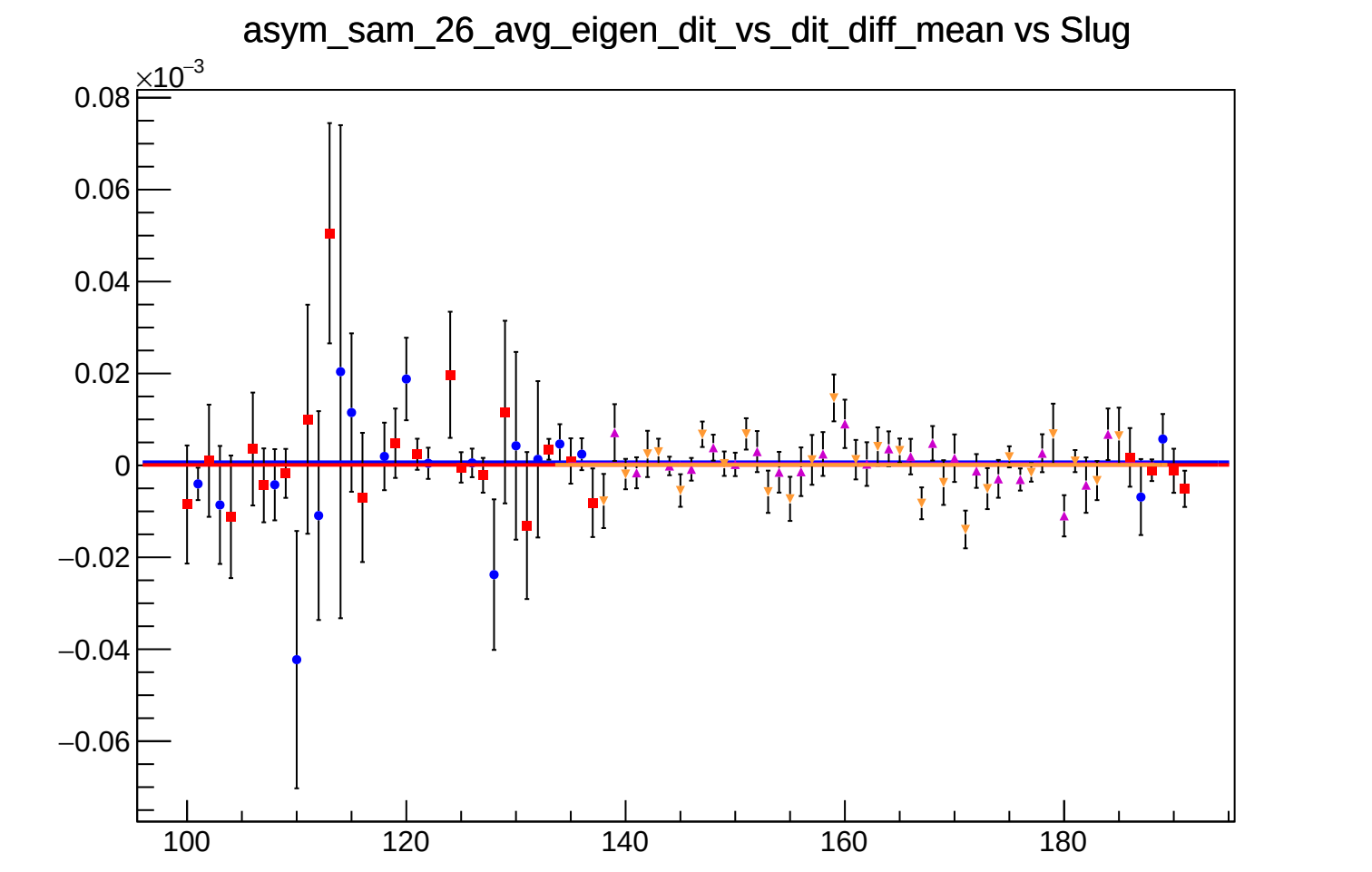
Right Out: 59.633+/-0.016 χ^2/NDF: 3199576.0/22

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

\+ sign 55.354+/-0.008 χ^2/NDF: 4351363.2/42

All: 55.677+/-0.006 χ^2/NDF: 8819156.6/88

\- sign 56.005+/-0.008 χ^2/NDF: 4464477.3/45



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:53.7/24

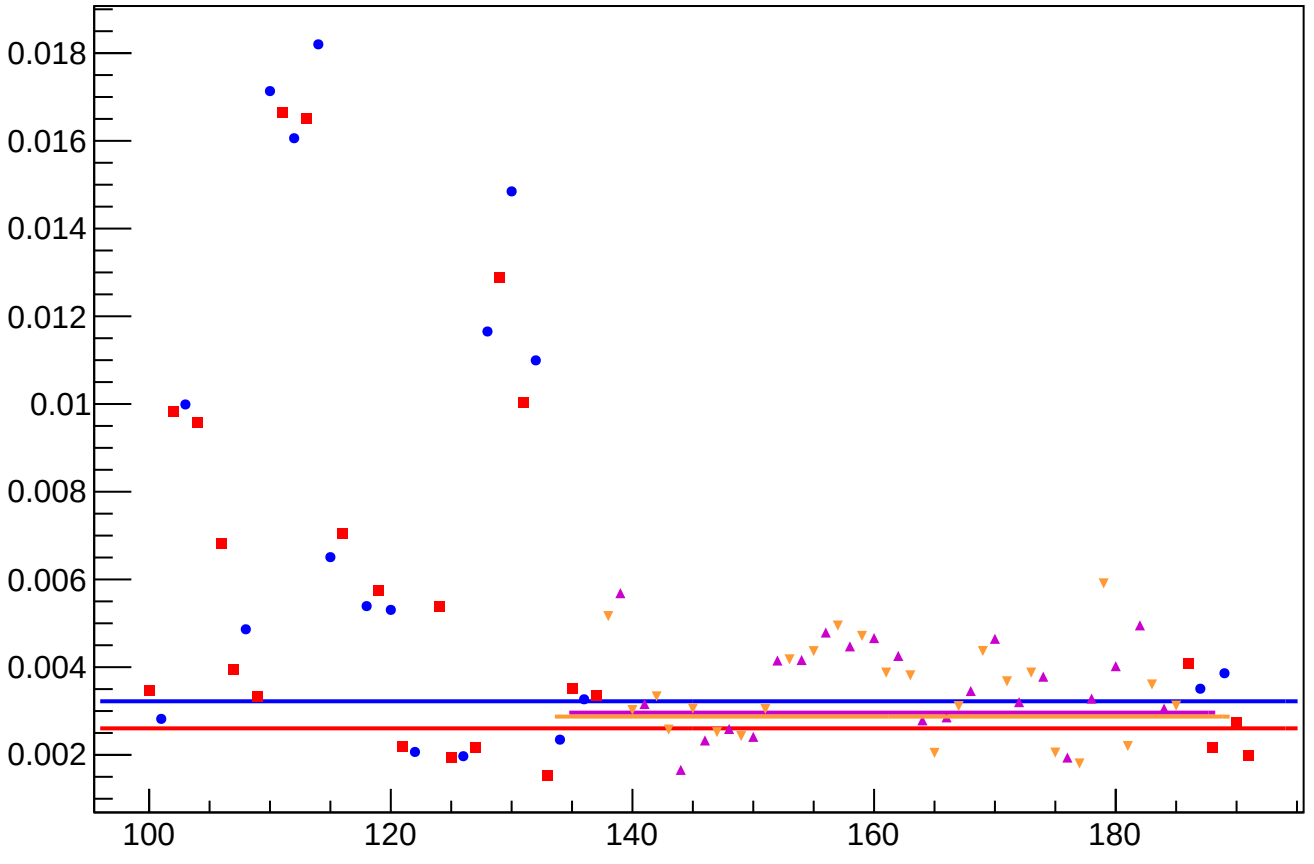
Right Out: 0.000+/-0.000 χ^2/NDF: 16.4/22

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: 106.0/88

- sign 0.000+/-0.000 χ^2/NDF: 37.1/45



Right In: 0.003+/-0.000 χ^2/NDF: 4578324.5/17

Left Out: 0.003+/-0.000 χ^2/NDF:3602368.5/24

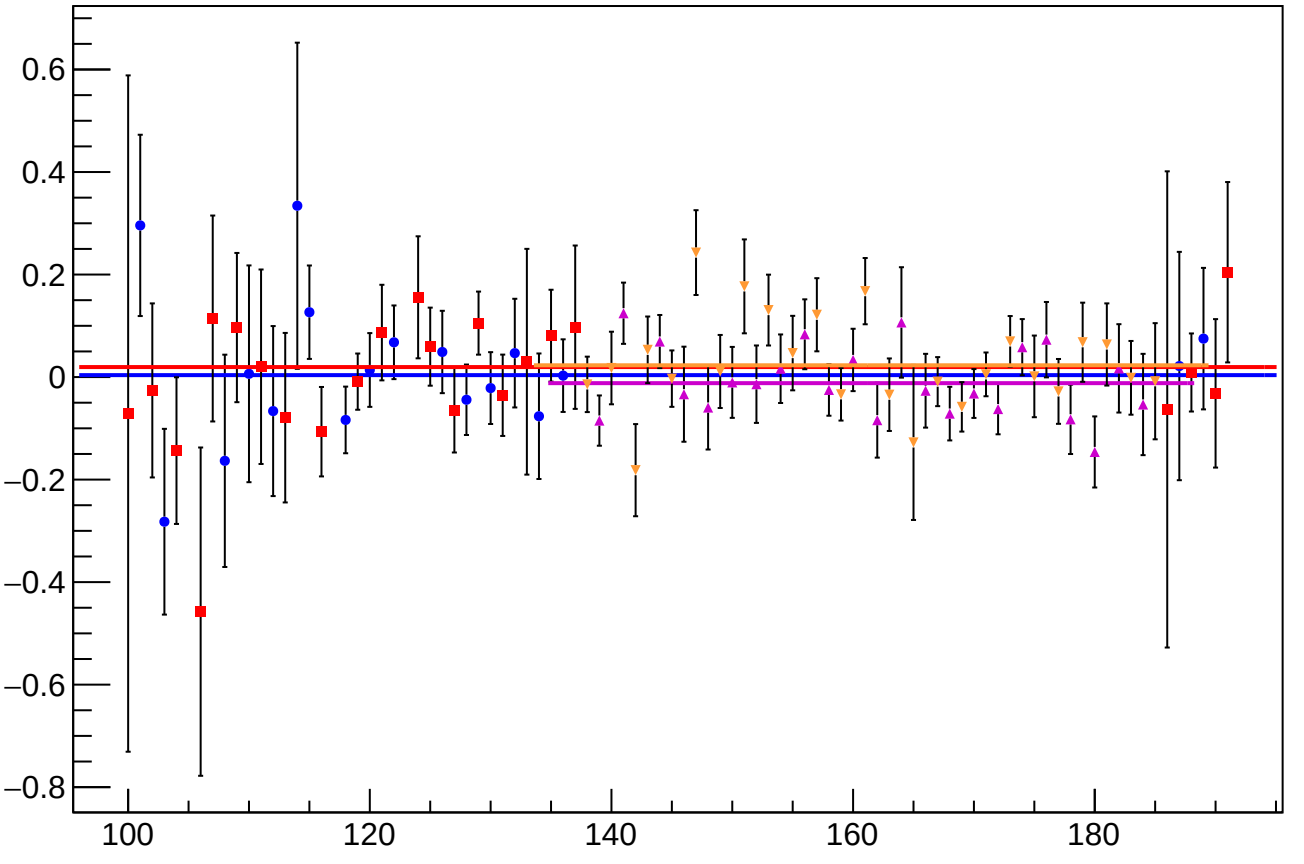
Right Out: 0.003+/-0.000 χ^2/NDF: 5394507.5/22

Left In: 0.003+/-0.000 χ^2/NDF:3619016.3/22

+ sign 0.003+/-0.000 χ^2/NDF: 8283276.8/42

All: 0.003+/-0.000 χ^2/NDF: 17481999.3/88

- sign 0.003+/-0.000 χ^2/NDF: 9170876.7/45



Right In: 0.004+/-0.023 χ^2/NDF: 13.4/17

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

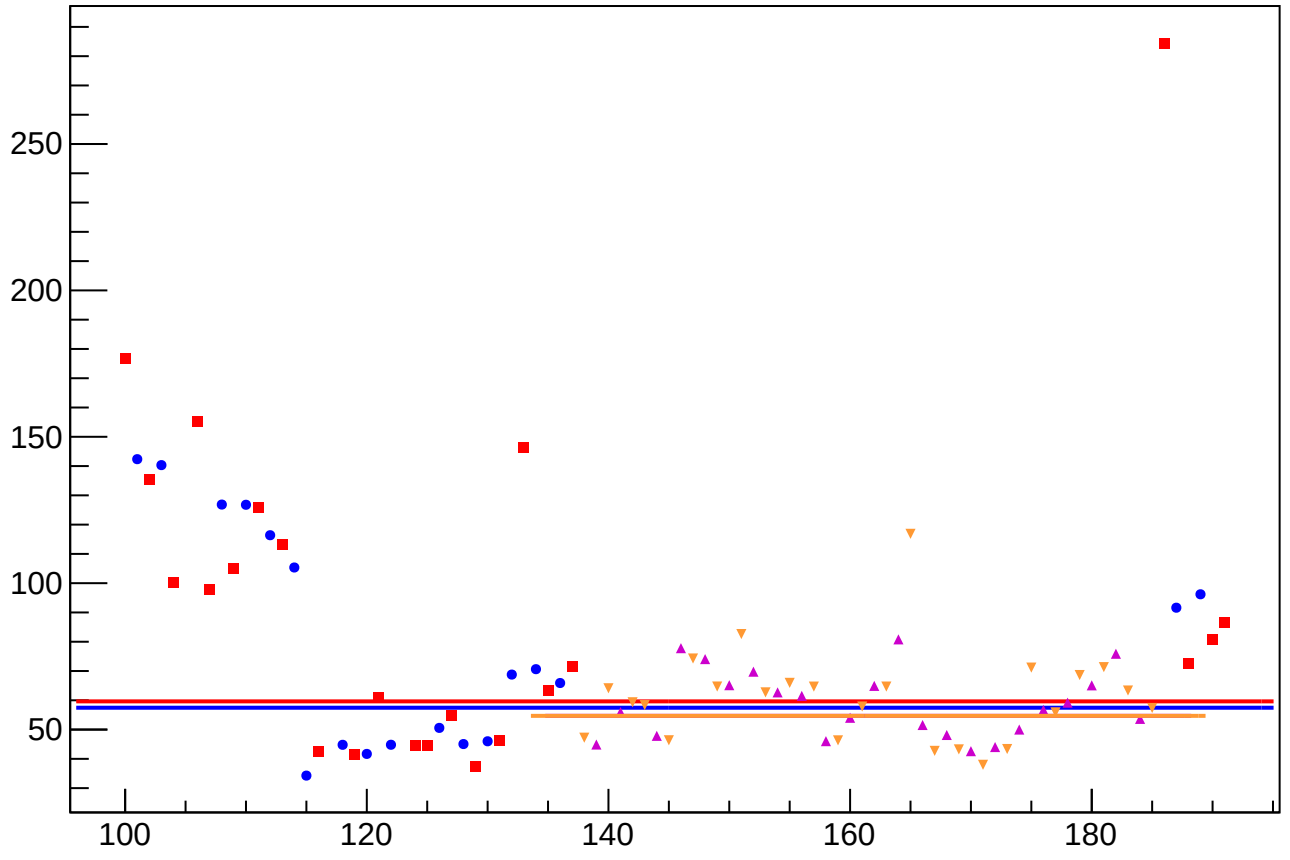
Right Out: 0.020+/-0.022 χ^2/NDF: 14.4/22

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.018+/-0.011 χ^2/NDF: 48.1/42

All: 0.008+/-0.008 χ^2/NDF: 91.7/88

- sign -0.004+/-0.011 χ^2/NDF: 41.7/45



Right In: 57.461+/-0.016 χ^2/NDF: 2392572.9/17

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

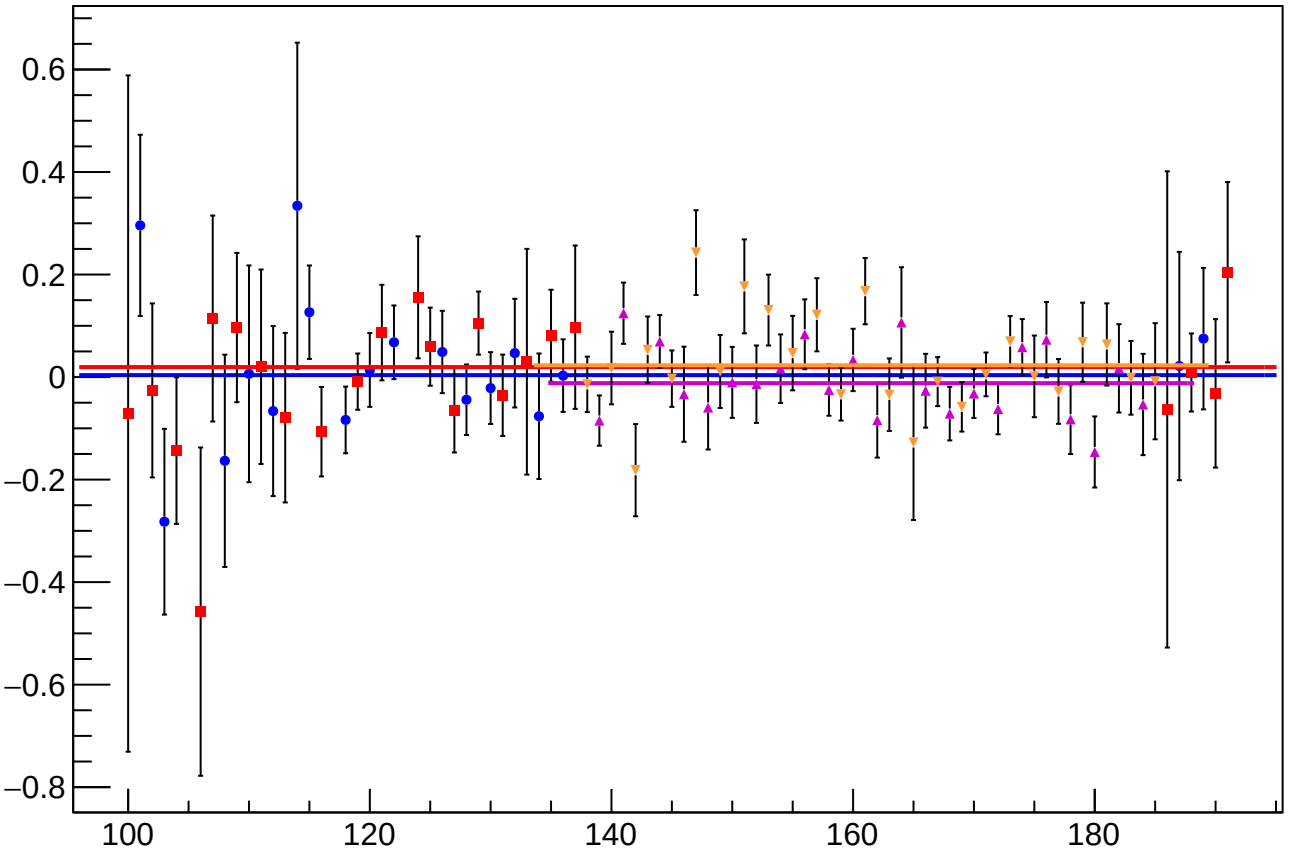
Right Out: 59.633+/-0.016 χ^2/NDF: 3199540.1/22

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

+ sign 55.354+/-0.008 χ^2/NDF: 4351298.2/42

All: 55.677+/-0.006 χ^2/NDF: 8818993.1/88

- sign 56.006+/-0.008 χ^2/NDF: 4464378.3/45



Right In: 0.004+/-0.023 χ^2/NDF: 13.4/17

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

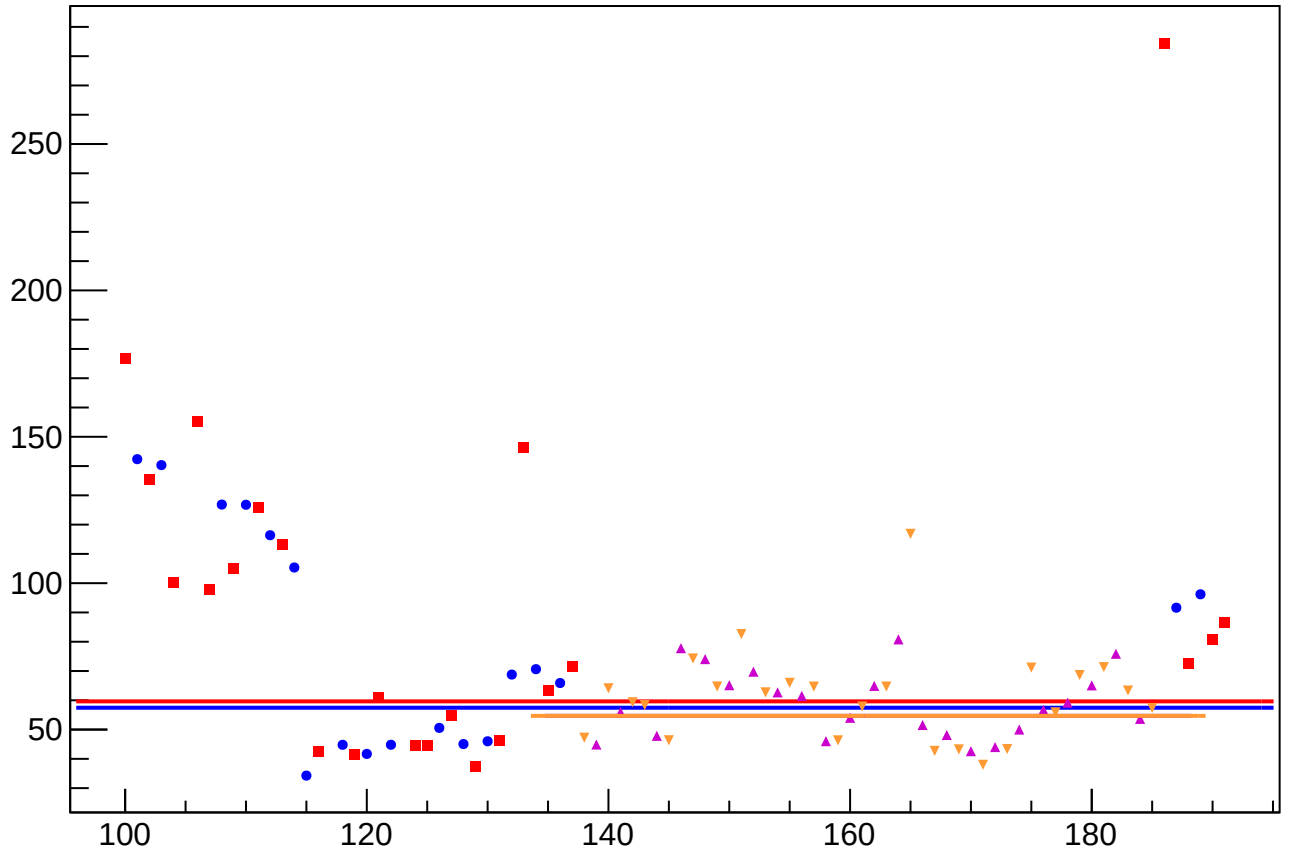
Right Out: 0.020+/-0.022 χ^2/NDF: 14.4/22

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.018+/-0.011 χ^2/NDF: 48.1/42

All: 0.008+/-0.008 χ^2/NDF: 91.7/88

- sign -0.004+/-0.011 χ^2/NDF: 41.7/45



Right In: 57.461+/-0.016 χ^2/NDF: 2392572.9/17

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

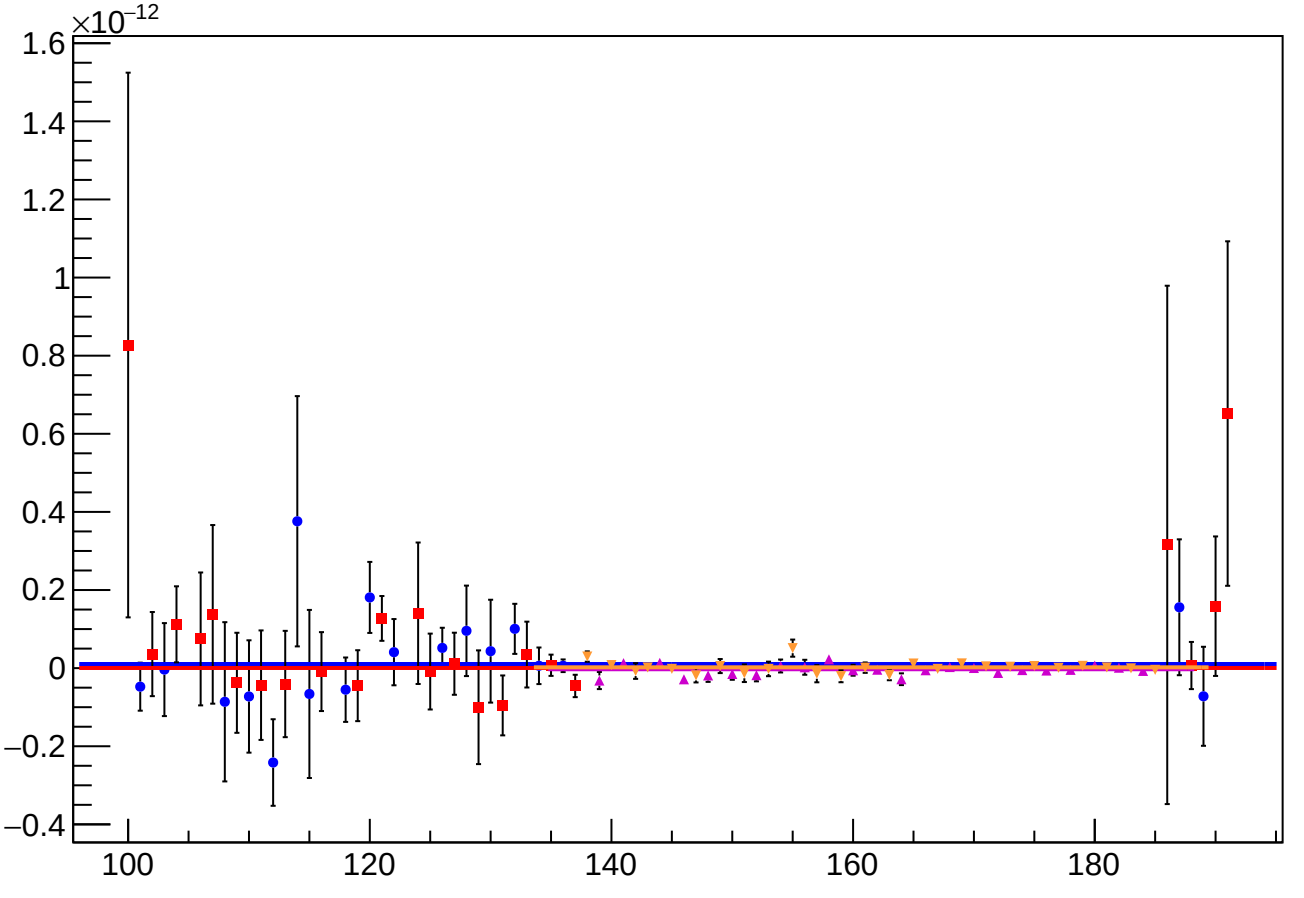
Right Out: 59.633+/-0.016 χ^2/NDF: 3199540.1/22

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

+ sign 55.354+/-0.008 χ^2/NDF: 4351298.2/42

All: 55.677+/-0.006 χ^2/NDF: 8818993.1/88

- sign 56.006+/-0.008 χ^2/NDF: 4464378.3/45



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/24

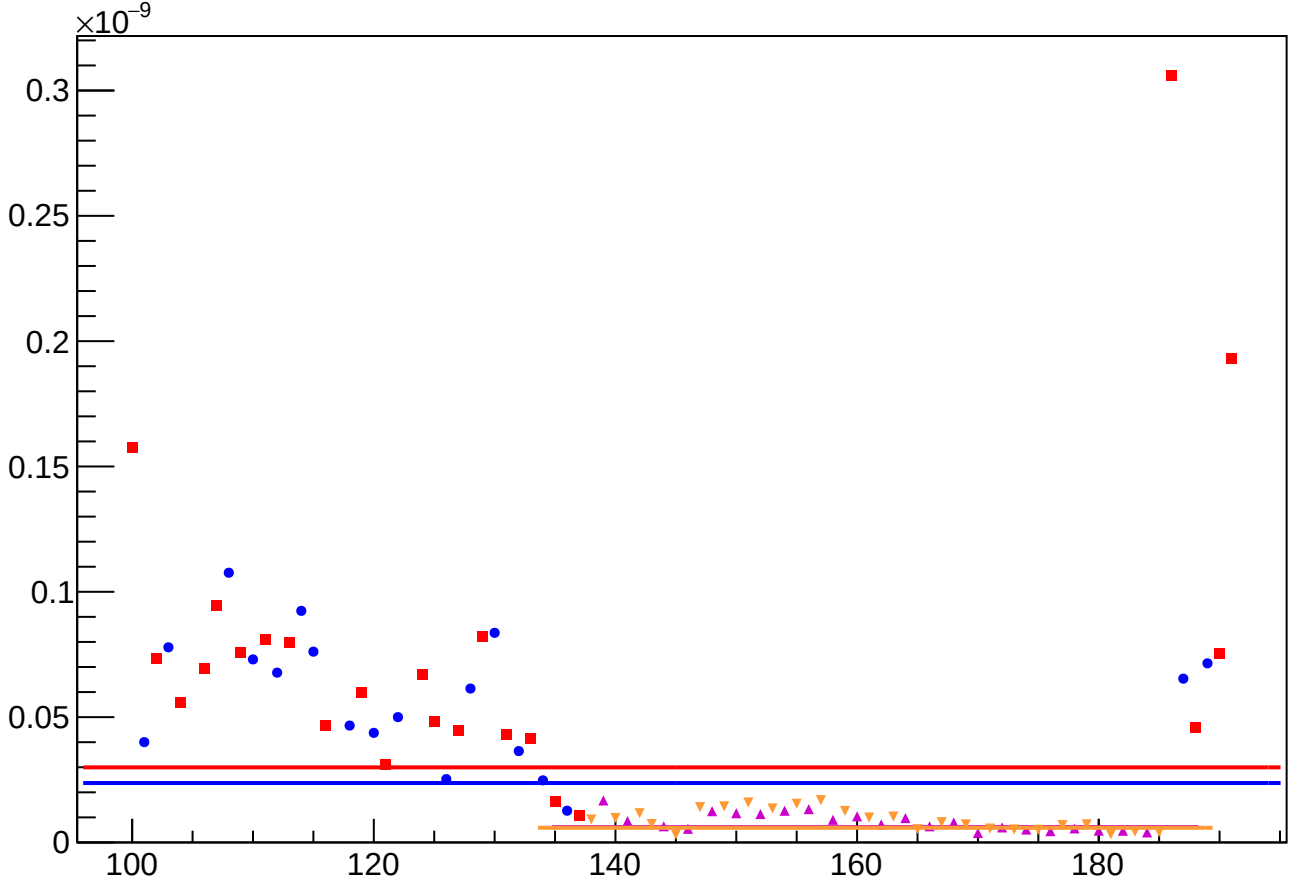
Right Out: 0.000+/-0.000 χ^2/NDF: 17.5/22

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: 92.3/88

- sign -0.000+/-0.000 χ^2/NDF: 50.6/45



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: 4730949.9/22

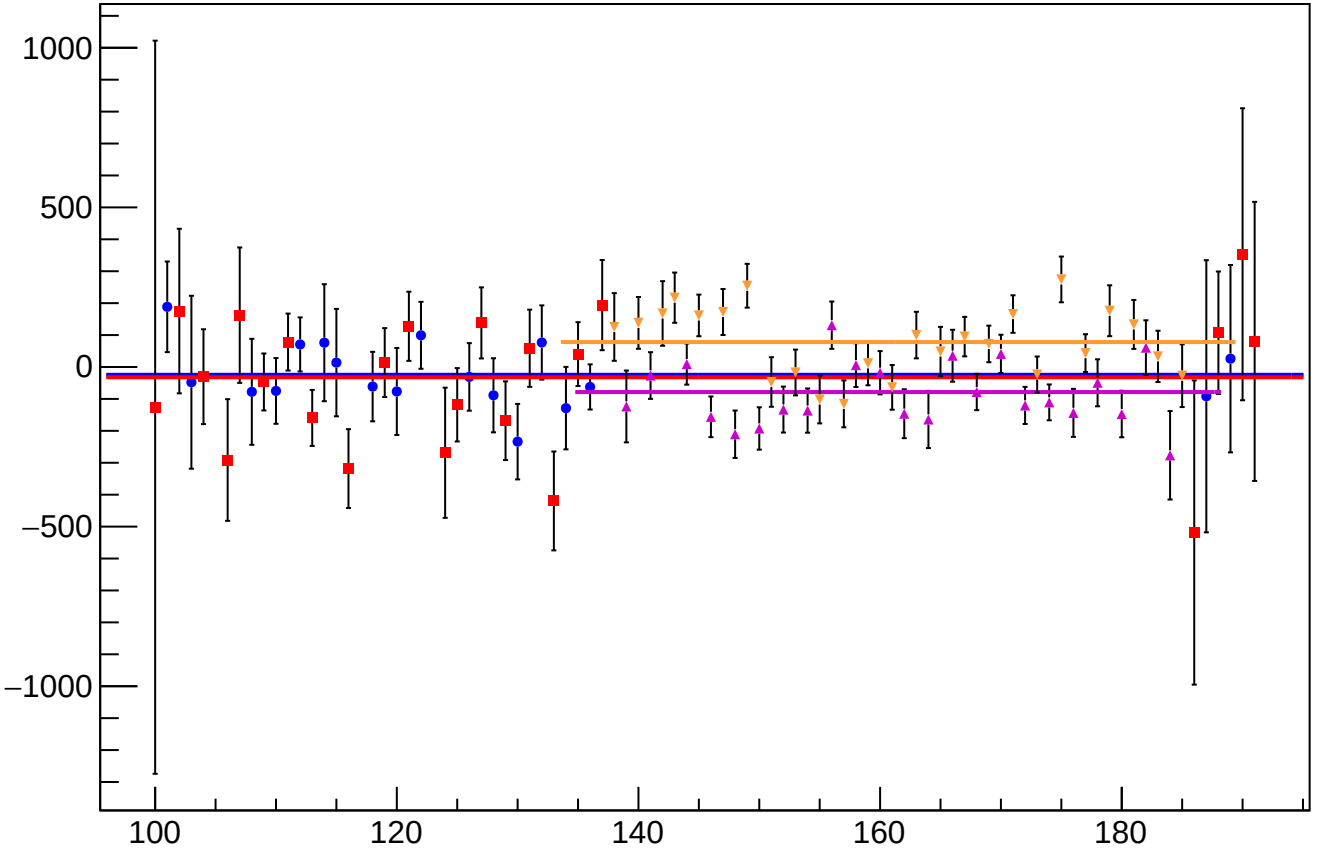
Left In: 0.000+/-0.000 χ^2/NDF:3304370.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 13451596.2/42

All: 0.000+/-0.000 χ^2/NDF: 26516617.4/88

- sign 0.000+/-0.000 χ^2/NDF: 13041701.9/45

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: -32.279+/-27.987 χ^2/NDF: 32.4/22

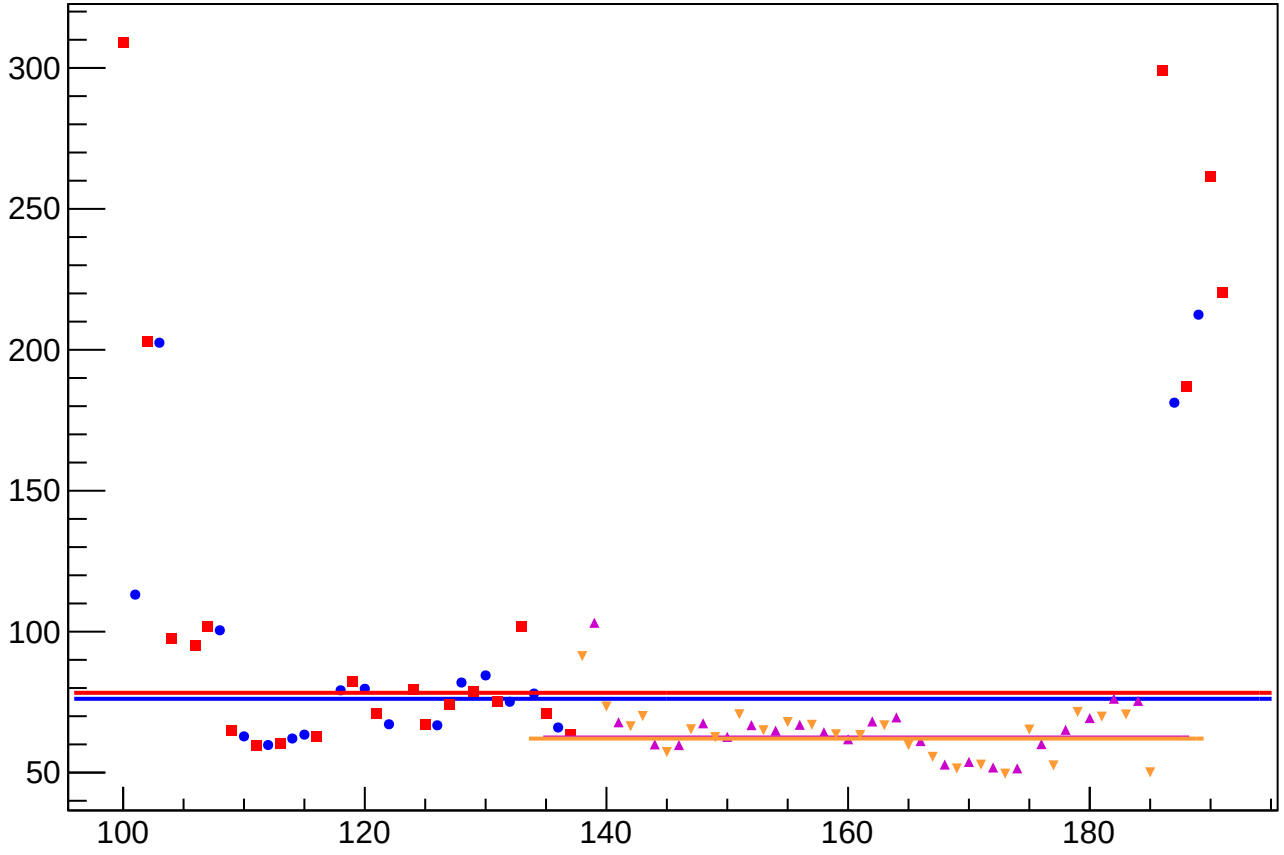
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 57.702+/-12.818 χ^2/NDF: 75.2/42

All: -4.017+/-9.159 χ^2/NDF: 193.8/88

- sign -68.392+/-13.091 χ^2/NDF: 71.2/45

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: 78.302+/-0.020 χ^2/NDF: 2584454.1/22

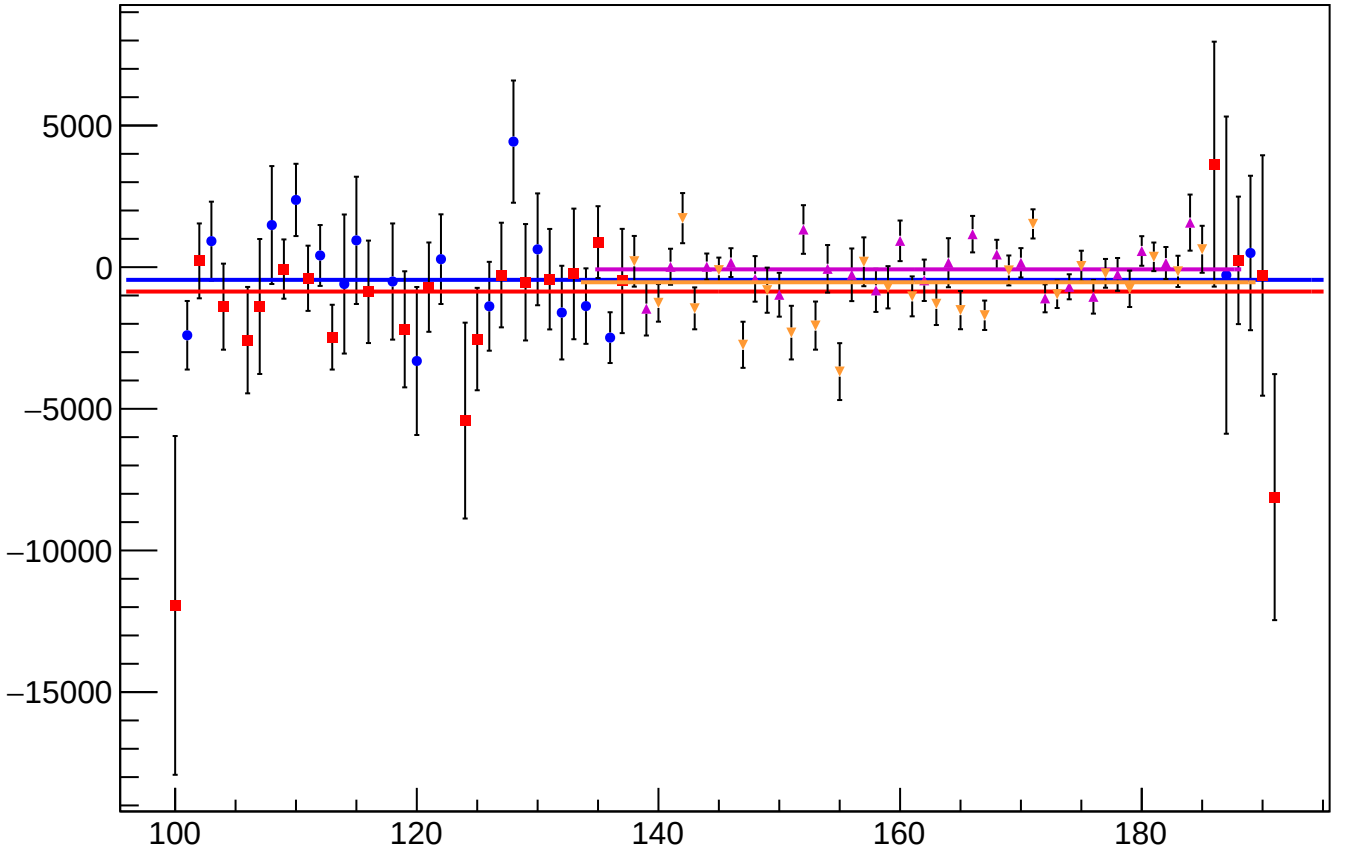
Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 64.876+/-0.009 χ^2/NDF: 2461562.2/42

All: 65.384+/-0.006 χ^2/NDF: 6218654.0/88

- sign 65.915+/-0.009 χ^2/NDF: 3750666.3/45

asym_sam_37_avg_reg_correction_mean vs Slug



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: -860.848+/-363.298 χ^2/NDF: 17.2/22

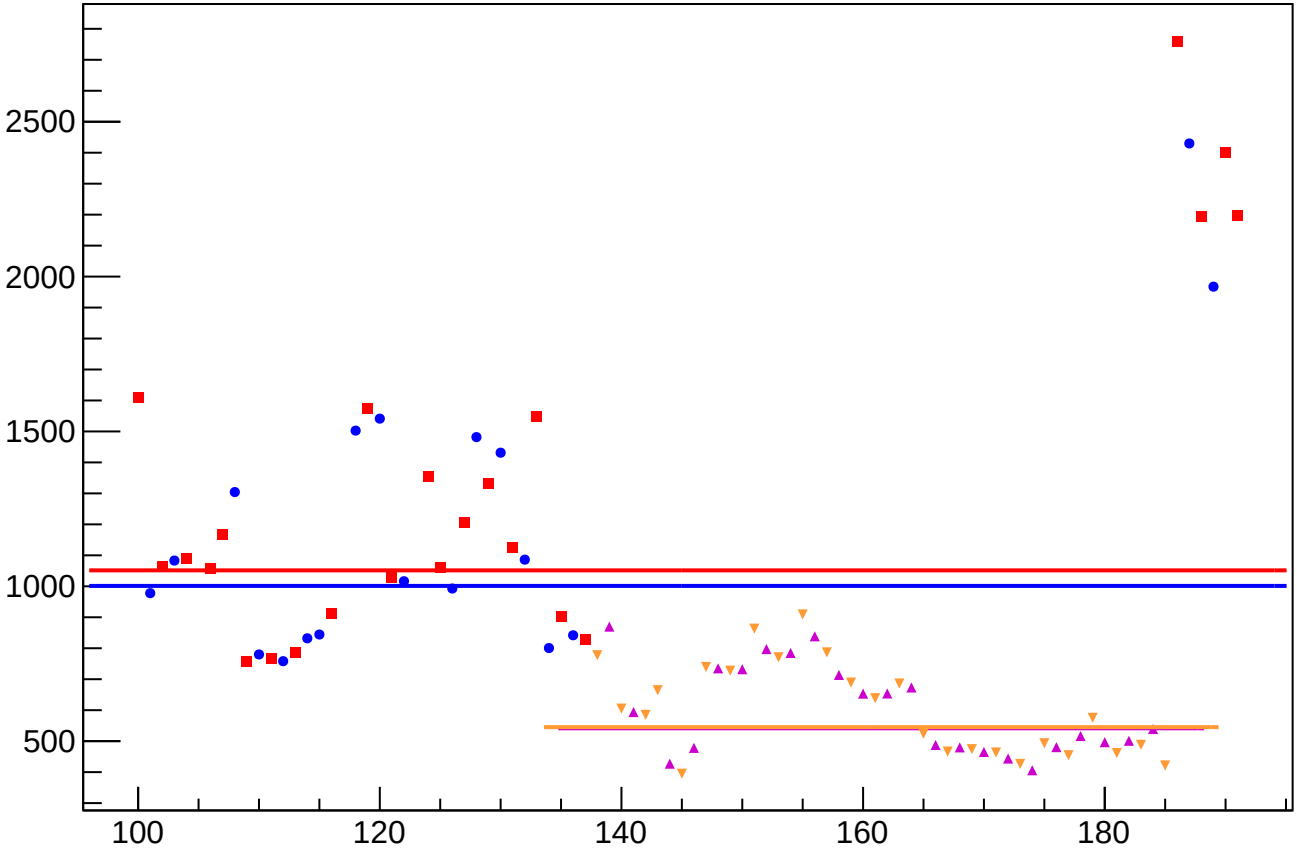
Left In: -77.393+/-130.317 χ^2/NDF:28.4/22

+ sign -523.738+/-120.929 χ^2/NDF: 93.0/42

All: -347.767+/-86.117 χ^2/NDF: 146.9/88

- sign -166.708+/-122.664 χ^2/NDF: 49.7/45

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: 1051.505+/-0.257 χ^2/NDF: 1942015.9/22

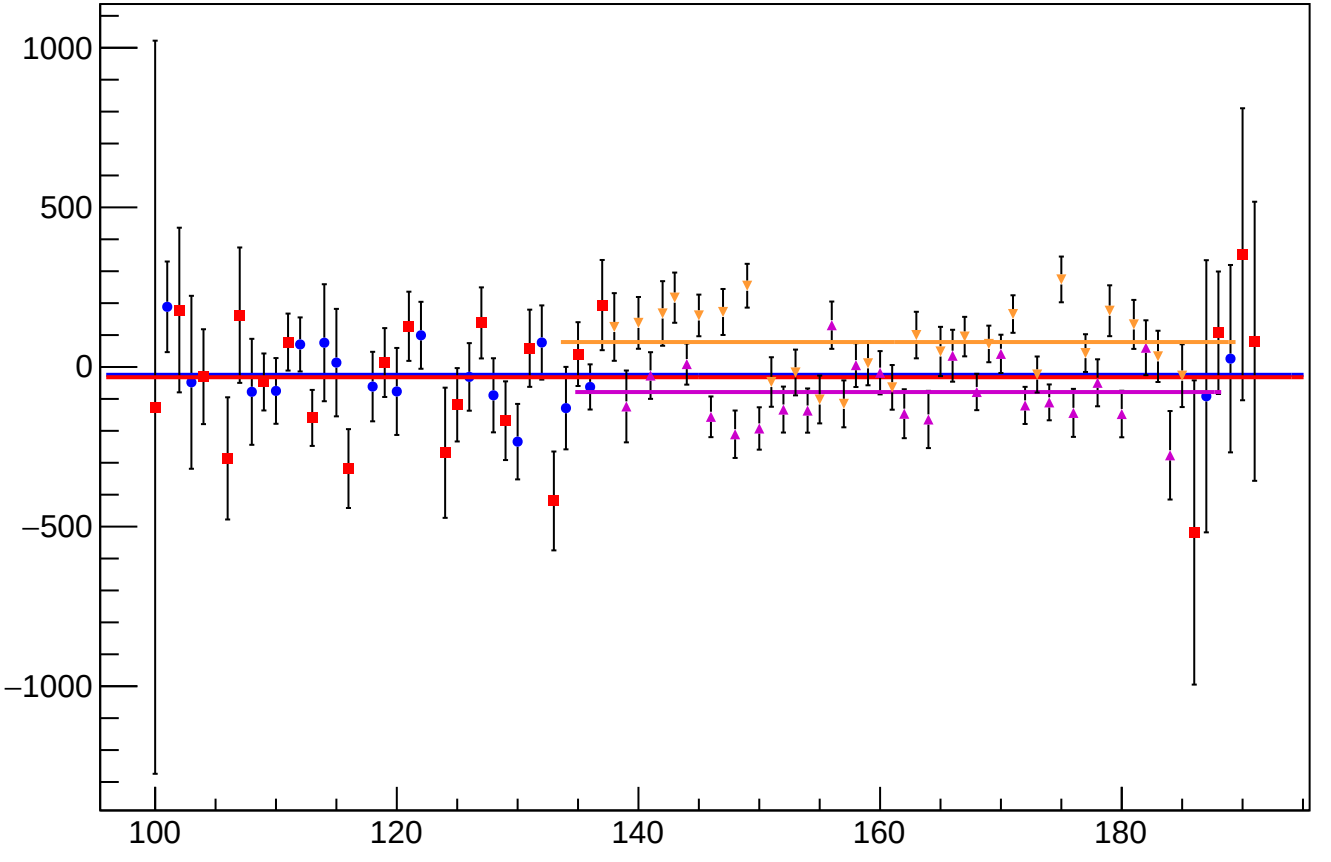
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 593.825+/-0.086 χ^2/NDF: 5914319.2/42

All: 596.673+/-0.061 χ^2/NDF: 13191603.5/88

- sign 599.604+/-0.087 χ^2/NDF: 7275032.9/45

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: -32.083+/-27.990 χ^2/NDF: 32.4/22

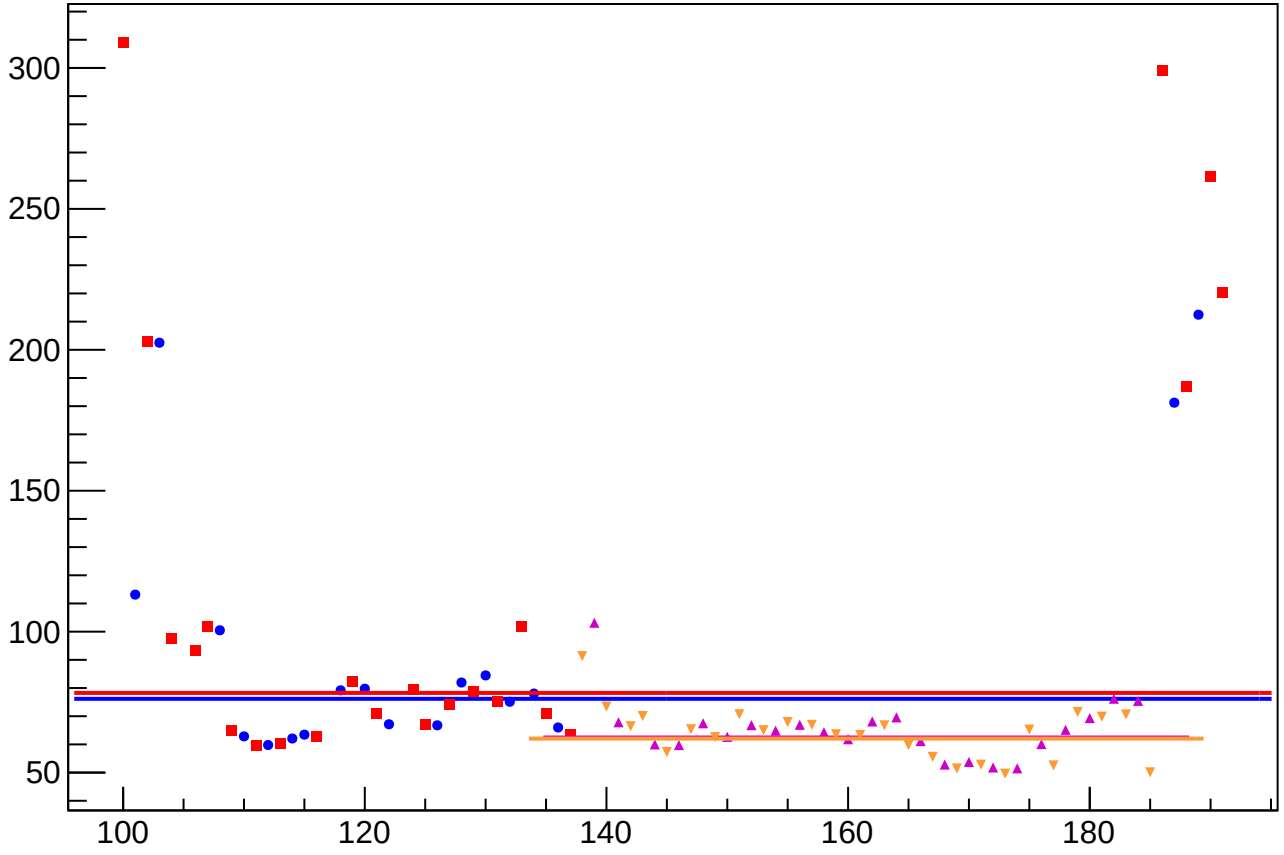
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 57.703+/-12.818 χ^2/NDF: 75.2/42

All: -3.995+/-9.159 χ^2/NDF: 193.7/88

- sign -68.351+/-13.091 χ^2/NDF: 71.2/45

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

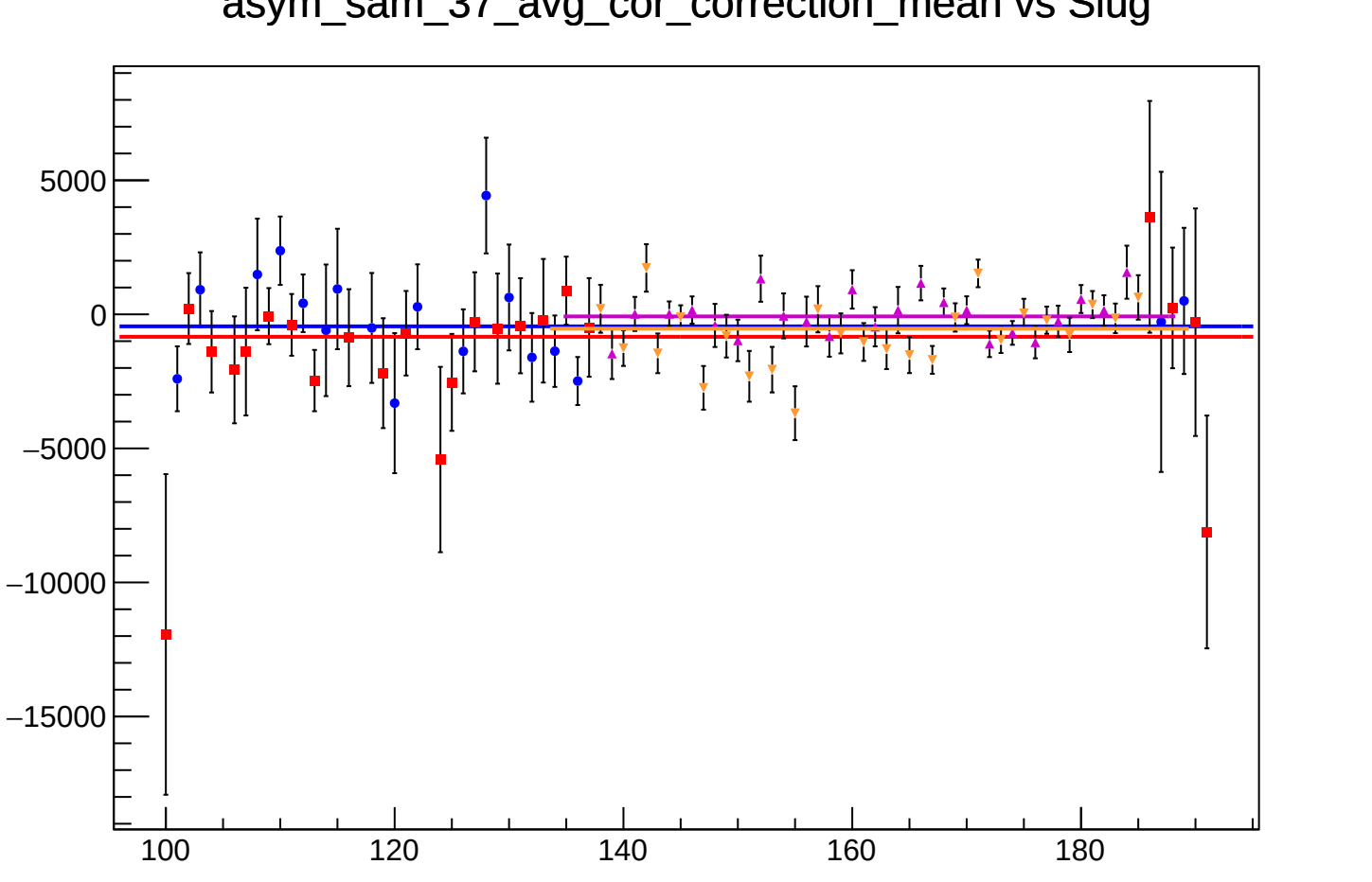
Right Out: 78.263+/-0.020 χ^2/NDF: 2581587.2/22

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 64.876+/-0.009 χ^2/NDF: 2461564.0/42

All: 65.380+/-0.006 χ^2/NDF: 6213095.8/88

- sign 65.905+/-0.009 χ^2/NDF: 3745219.8/45



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: -837.361+/-364.091 χ^2/NDF: 16.7/22

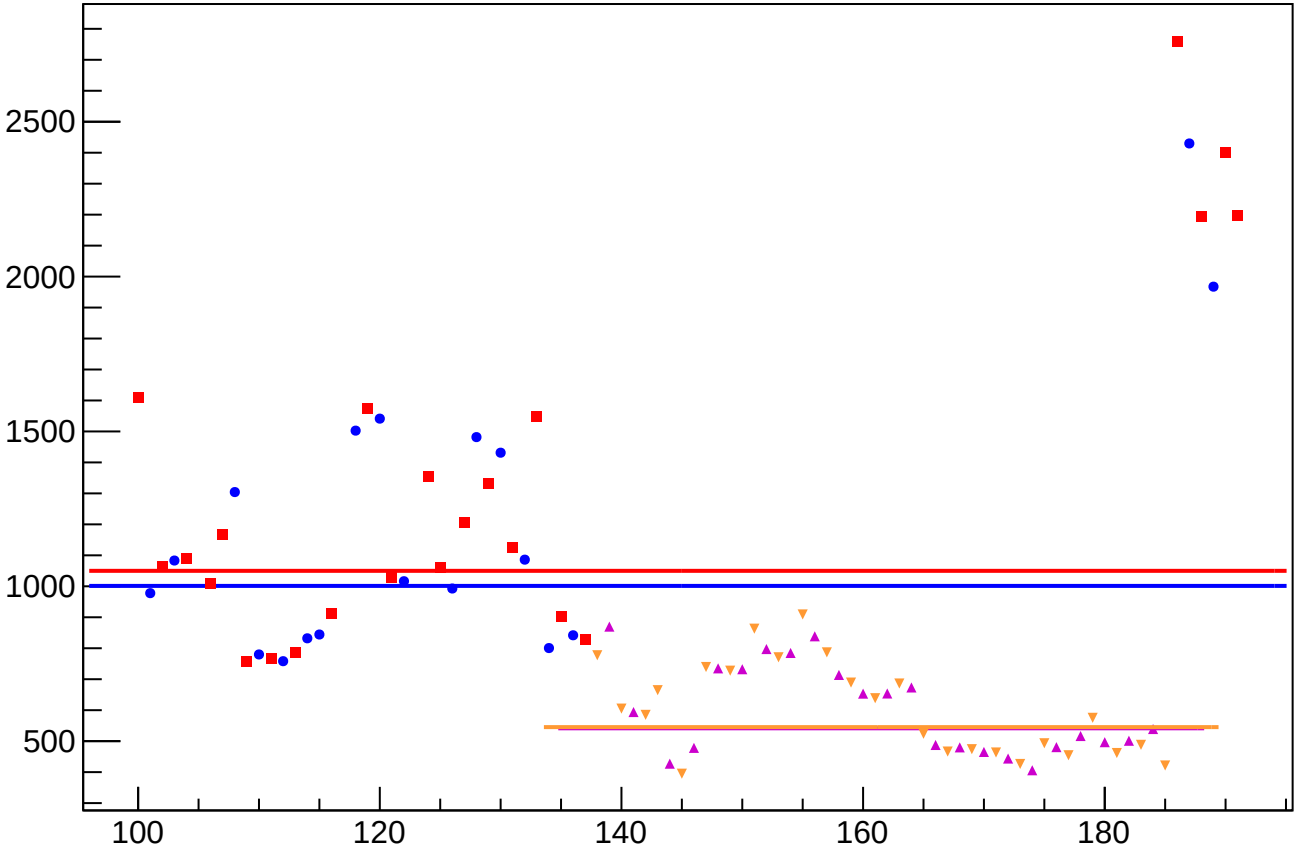
Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -523.735+/-120.929 χ^2/NDF: 93.0/42

All: -346.325+/-86.127 χ^2/NDF: 146.3/88

- sign -163.695+/-122.695 χ^2/NDF: 48.9/45

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: 1049.932+/-0.257 χ^2/NDF: 1942882.8/22

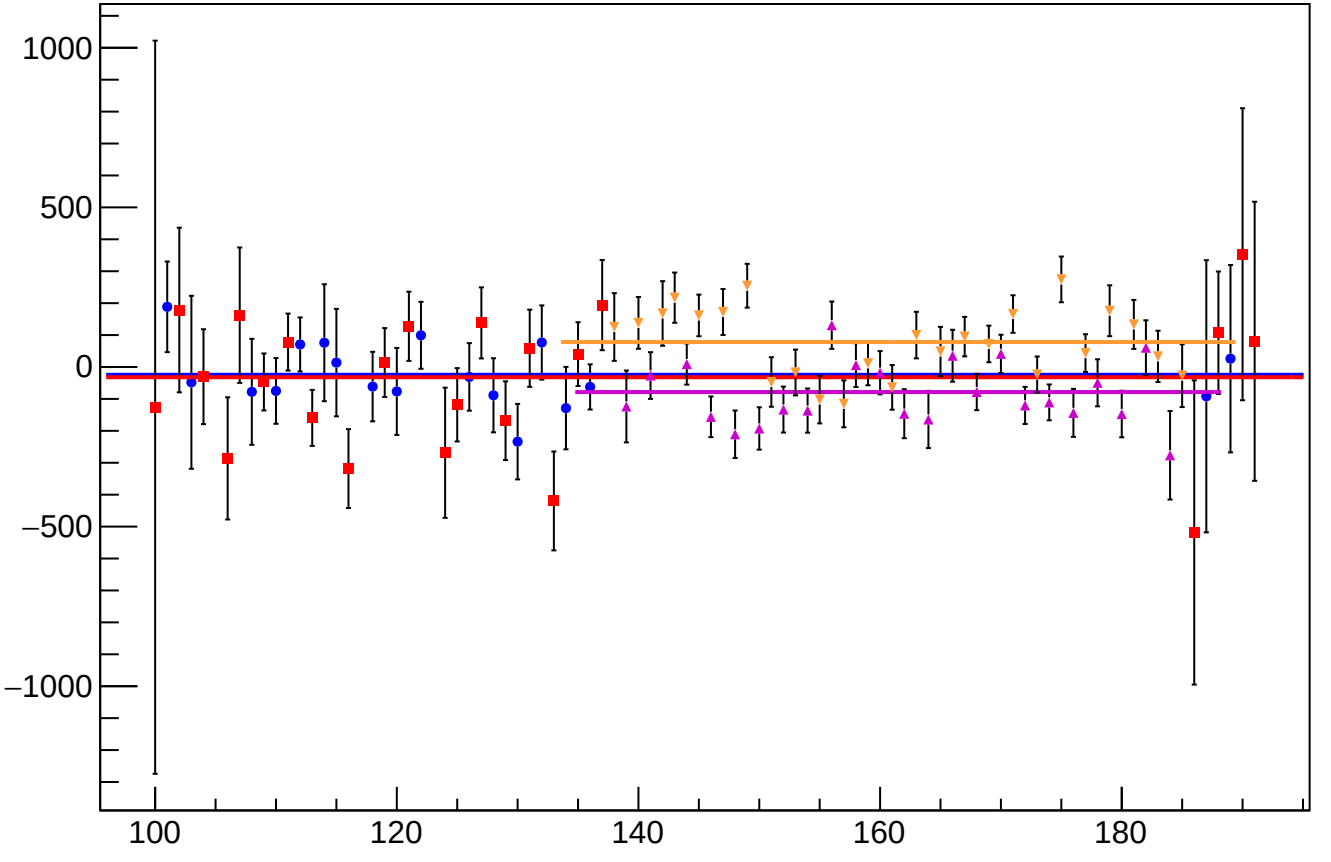
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 593.825+/-0.086 χ^2/NDF: 5914374.4/42

All: 596.474+/-0.061 χ^2/NDF: 13157317.9/88

- sign 599.201+/-0.087 χ^2/NDF: 7240995.6/45

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: -32.083+/-27.990 χ^2/NDF: 32.4/22

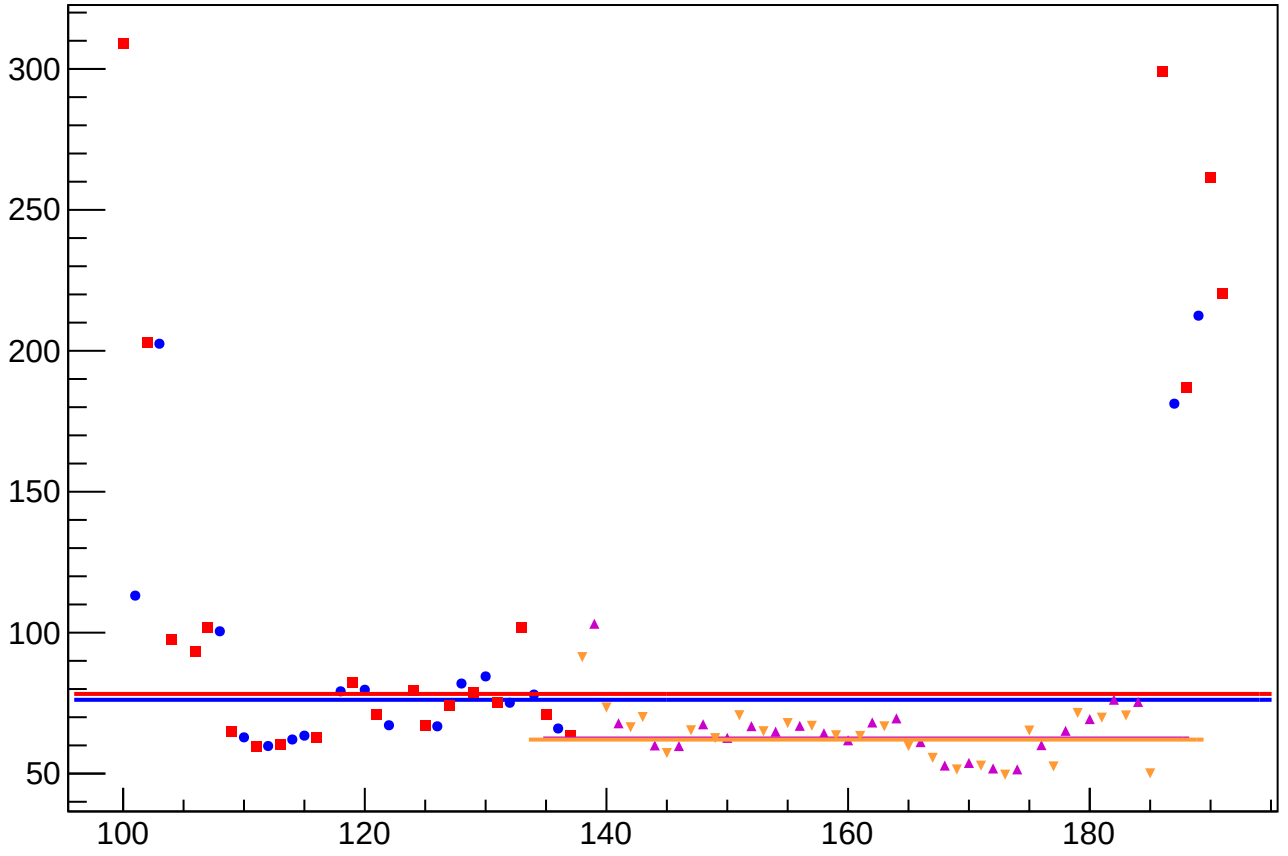
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 57.703+/-12.818 χ^2/NDF: 75.2/42

All: -3.995+/-9.159 χ^2/NDF: 193.7/88

- sign -68.351+/-13.091 χ^2/NDF: 71.2/45

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

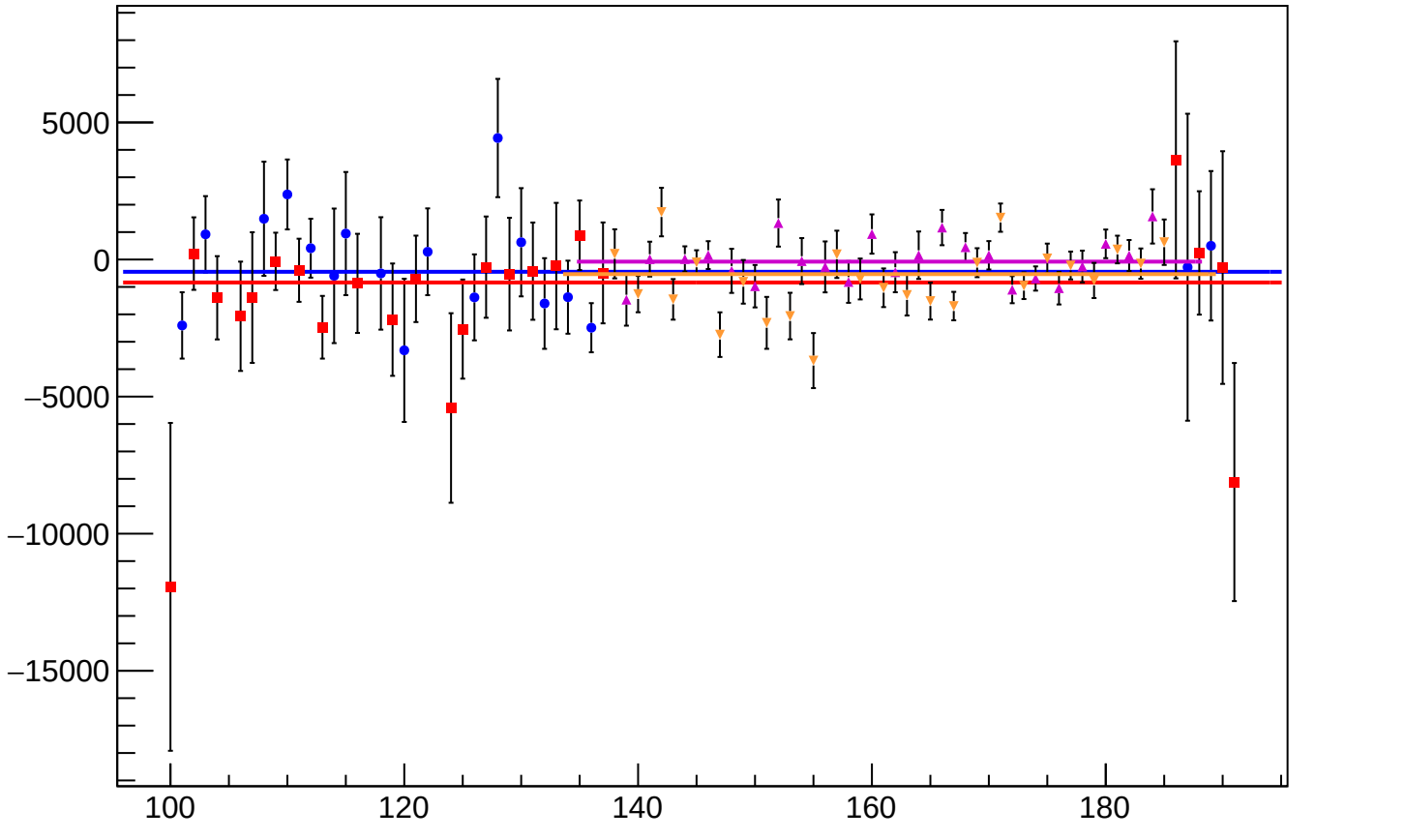
Right Out: 78.263+/-0.020 χ^2/NDF: 2581587.2/22

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 64.876+/-0.009 χ^2/NDF: 2461564.0/42

All: 65.380+/-0.006 χ^2/NDF: 6213095.8/88

- sign 65.905+/-0.009 χ^2/NDF: 3745219.8/45



Right In: -447.806+/-370.718 χ^2/NDF: 23.8/17

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

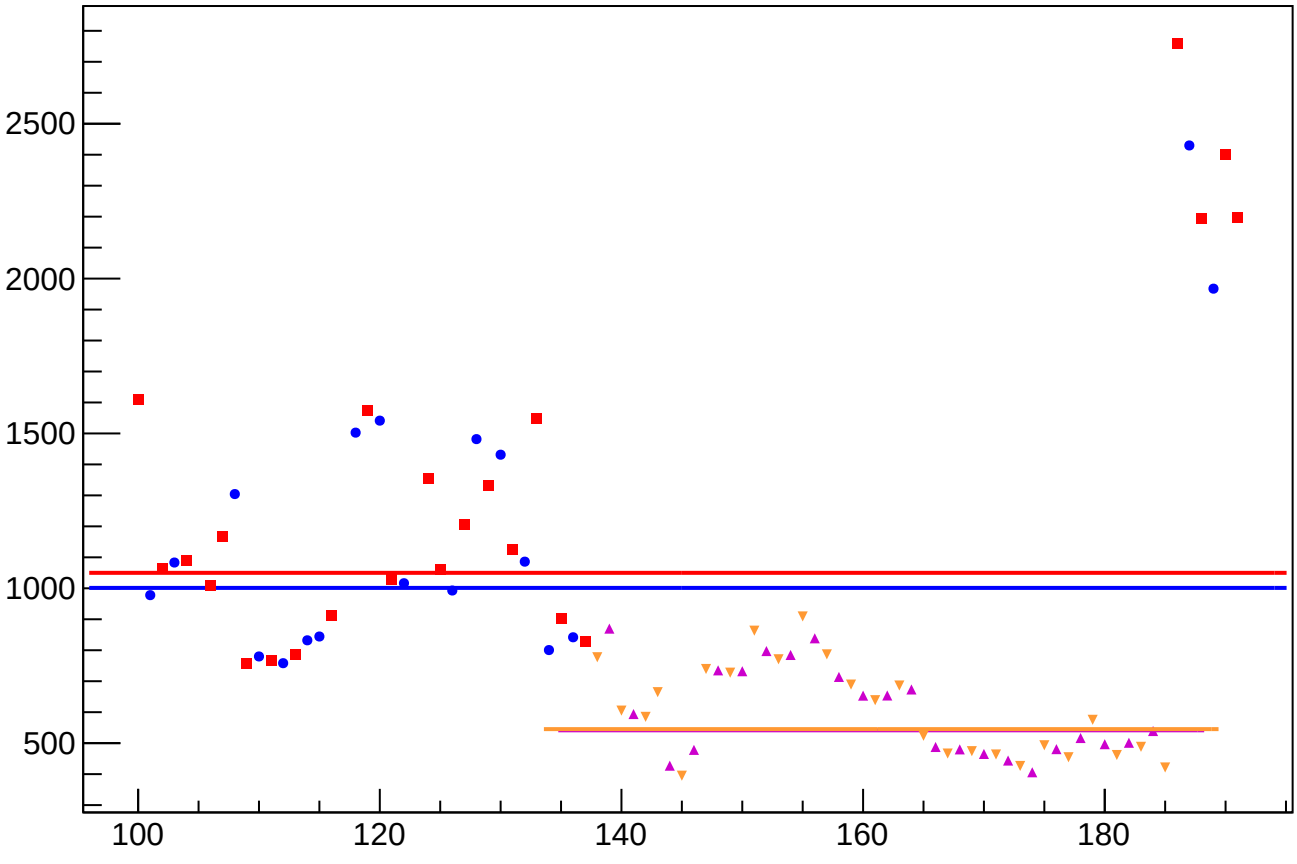
Right Out: -837.361+/-364.091 χ^2/NDF: 16.7/22

Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -523.735+/-120.929 χ^2/NDF: 93.0/42

All: -346.325+/-86.127 χ^2/NDF: 146.3/88

- sign -163.695+/-122.695 χ^2/NDF: 48.9/45



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: 1049.932+/-0.257 χ^2/NDF: 1942882.8/22

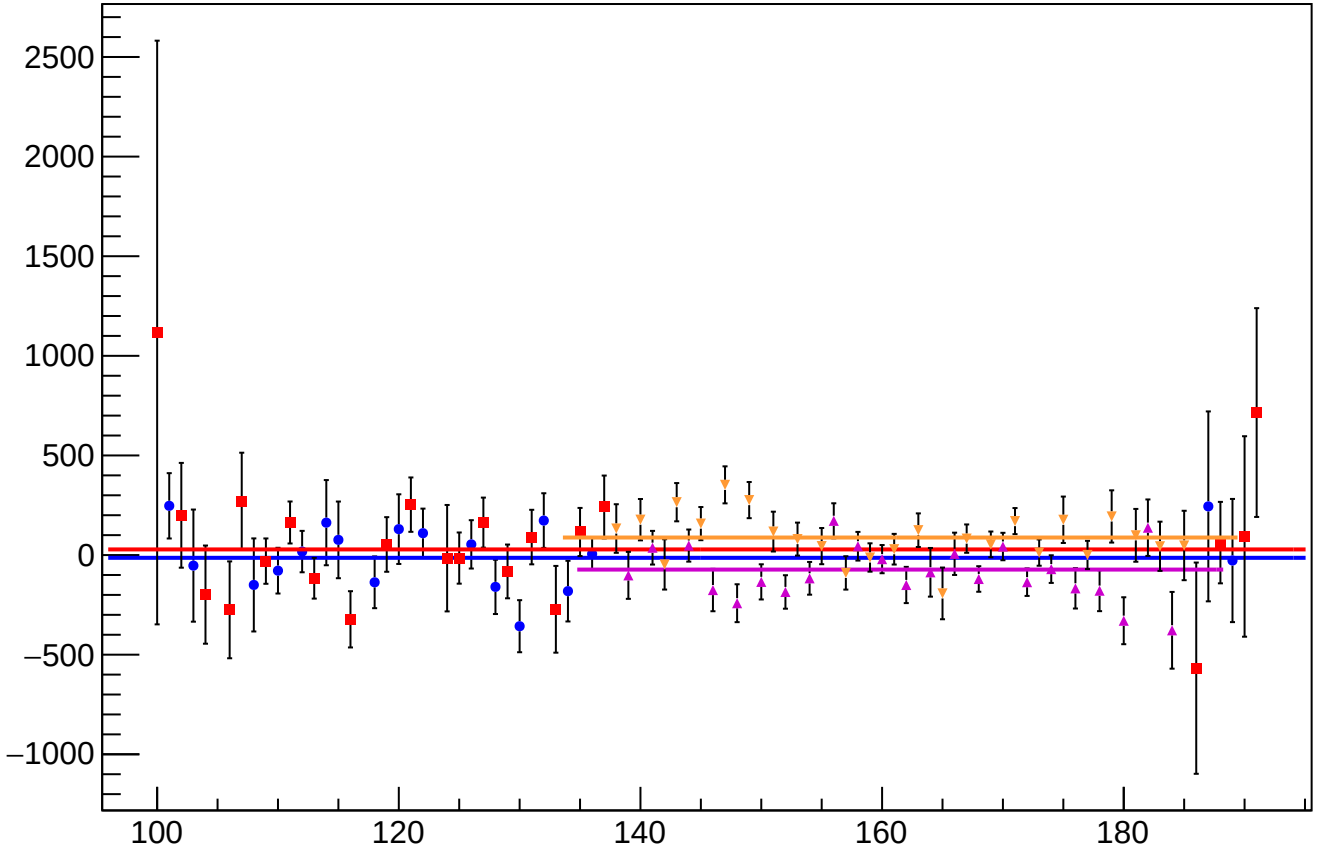
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 593.825+/-0.086 χ^2/NDF: 5914374.4/42

All: 596.474+/-0.061 χ^2/NDF: 13157317.9/88

- sign 599.201+/-0.087 χ^2/NDF: 7240995.6/45

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: 28.344+/-33.400 χ^2/NDF: 26.6/22

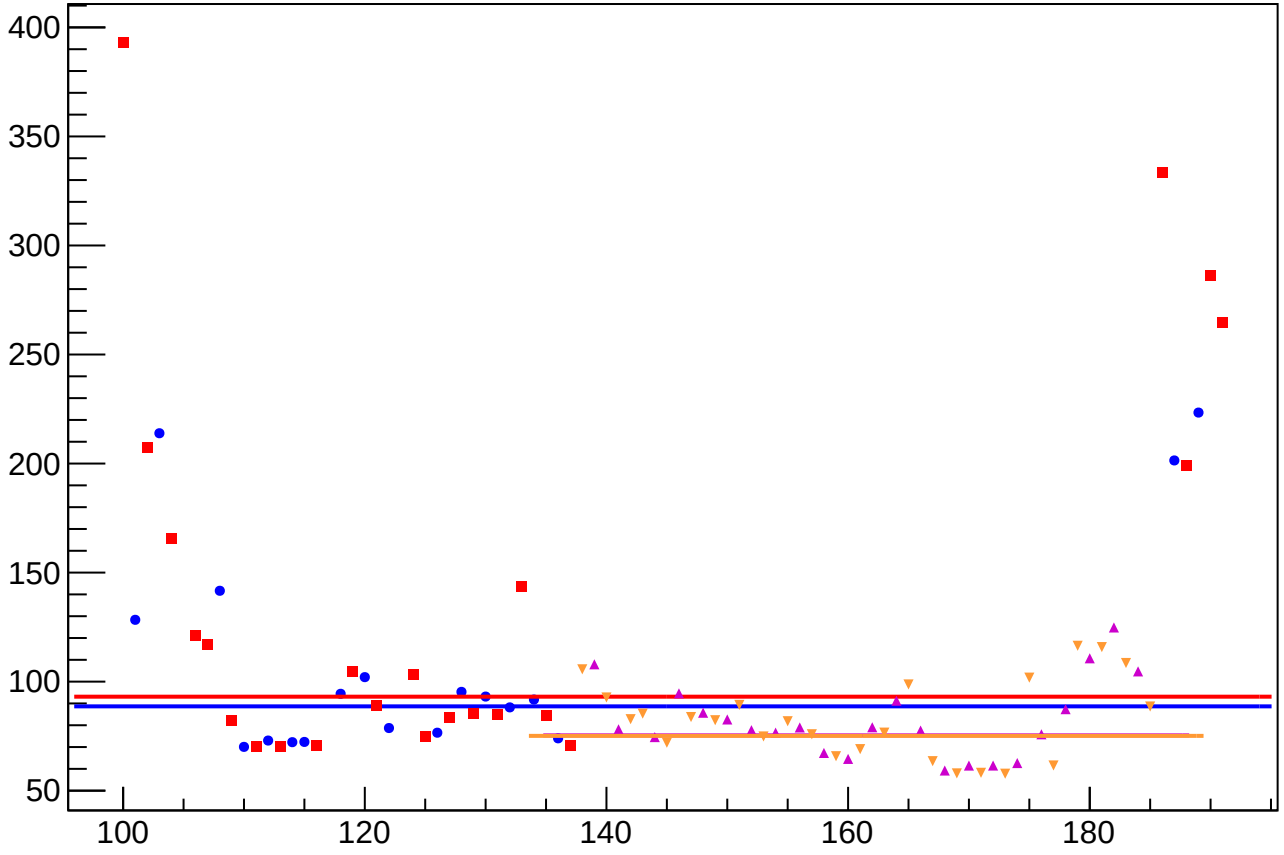
Left In: -72.849+/-18.276 χ^2/NDF:38.4/22

+ sign 65.700+/-15.678 χ^2/NDF: 62.7/42

All: 9.371+/-11.209 χ^2/NDF: 161.2/88

- sign -49.532+/-16.033 χ^2/NDF: 72.1/45

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

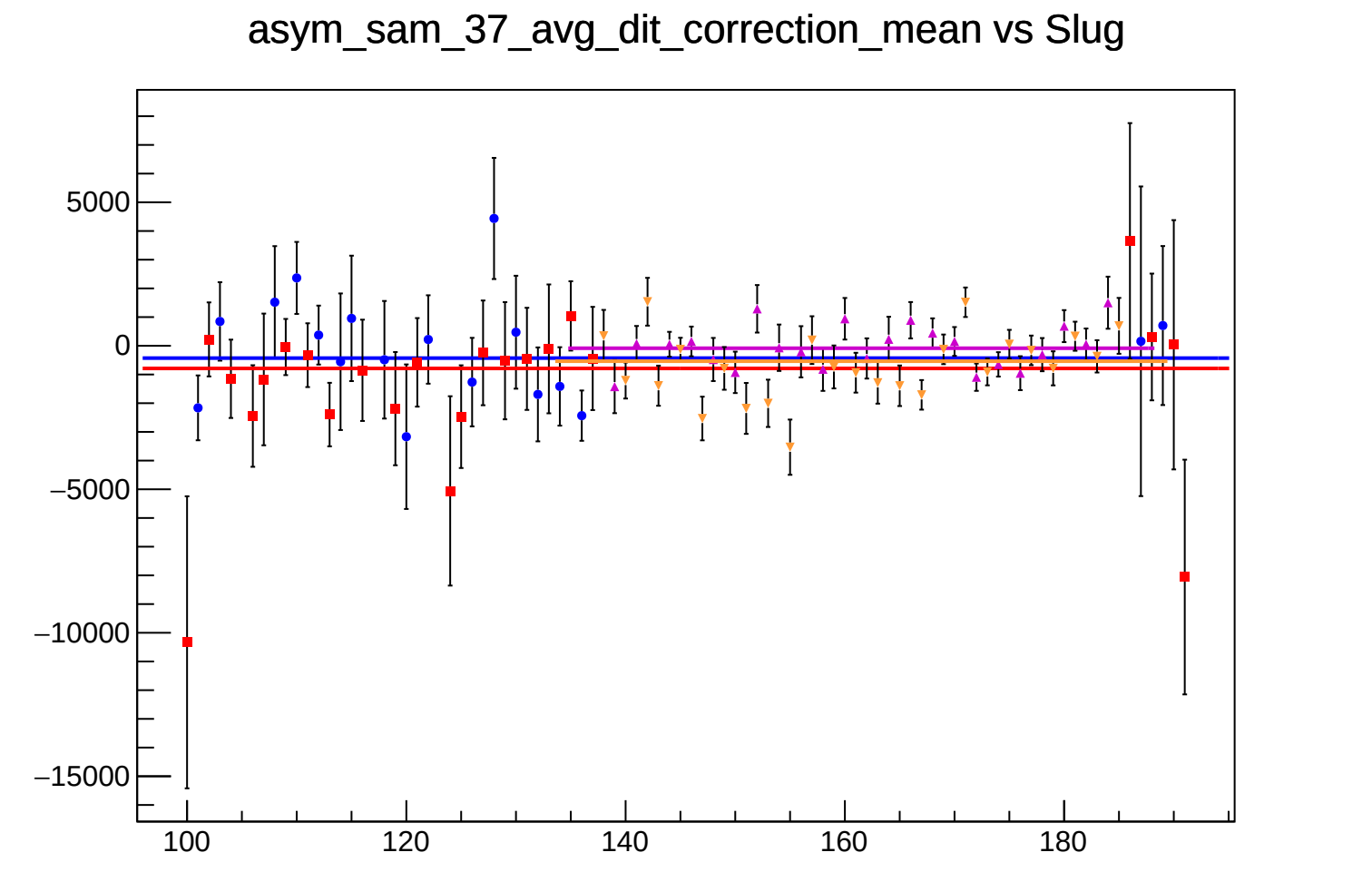
Right Out: 93.098+/-0.024 χ^2/NDF: 2638508.1/22

Left In: 75.363+/-0.013 χ^2/NDF:1225318.4/22

+ sign 78.096+/-0.011 χ^2/NDF: 3212770.4/42

All: 78.758+/-0.008 χ^2/NDF: 7517876.8/88

- sign 79.450+/-0.011 χ^2/NDF: 4297819.1/45



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: -788.794+/-349.524 χ^2/NDF: 18.2/22

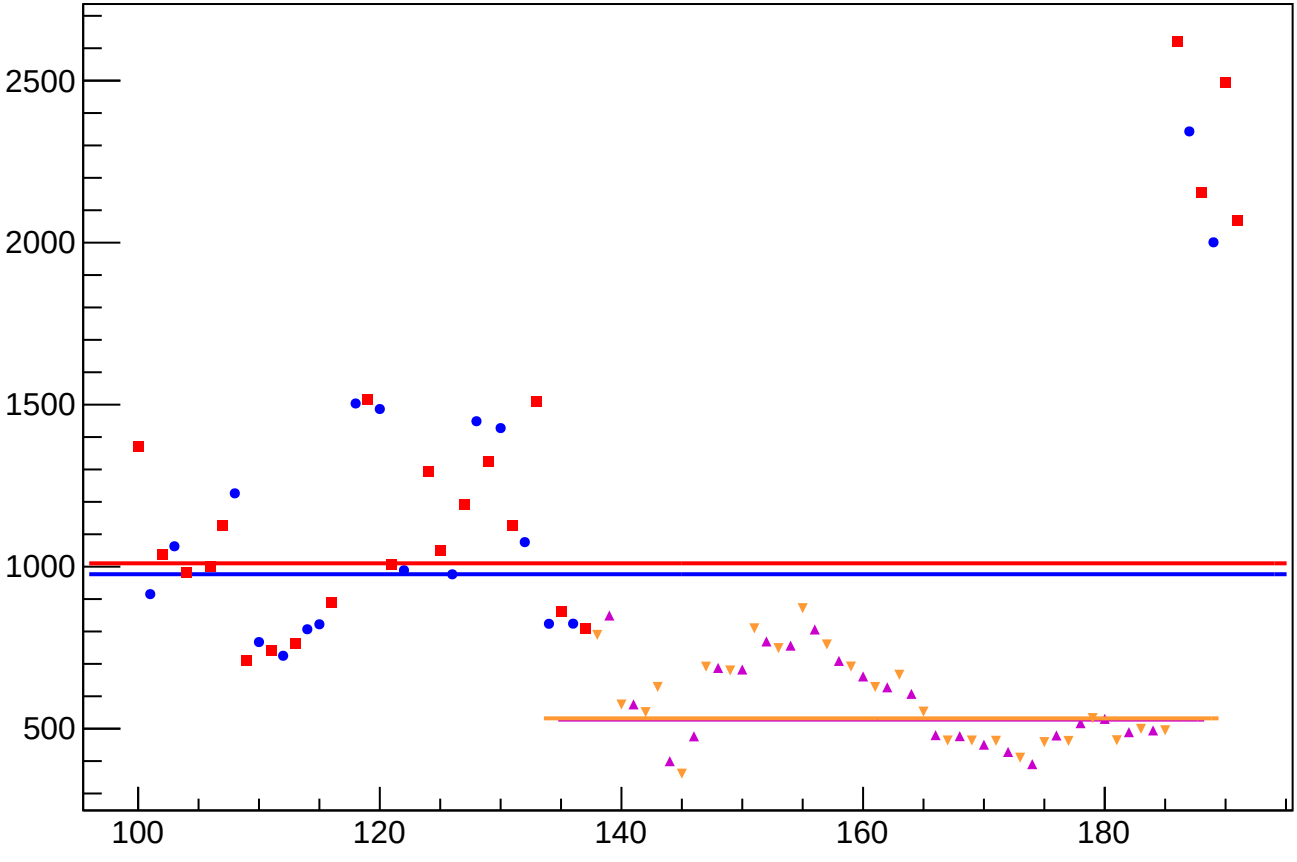
Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

\+ sign -525.365+/-117.695 χ^2/NDF: 91.0/42

All: -348.673+/-83.818 χ^2/NDF: 144.9/88

\- sign -166.833+/-119.397 χ^2/NDF: 49.3/45

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: 1010.345+/-0.247 χ^2/NDF: 2020462.7/22

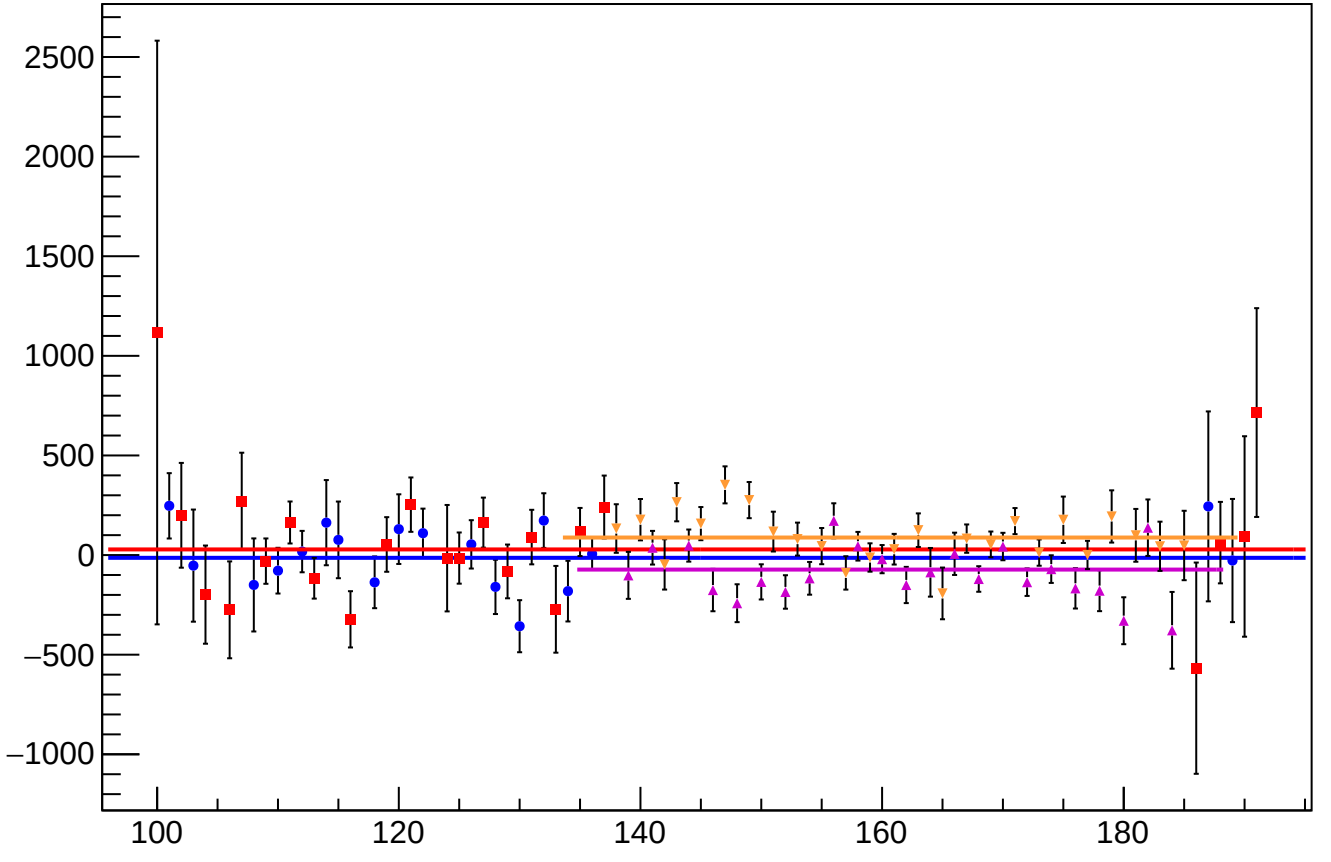
Left In: 527.986+/-0.090 χ^2/NDF:1800455.5/22

+ sign 578.982+/-0.083 χ^2/NDF: 5899582.4/42

All: 581.589+/-0.059 χ^2/NDF: 13087061.5/88

- sign 584.272+/-0.084 χ^2/NDF: 7185487.7/45

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: 28.346+/-33.400 χ^2/NDF: 26.6/22

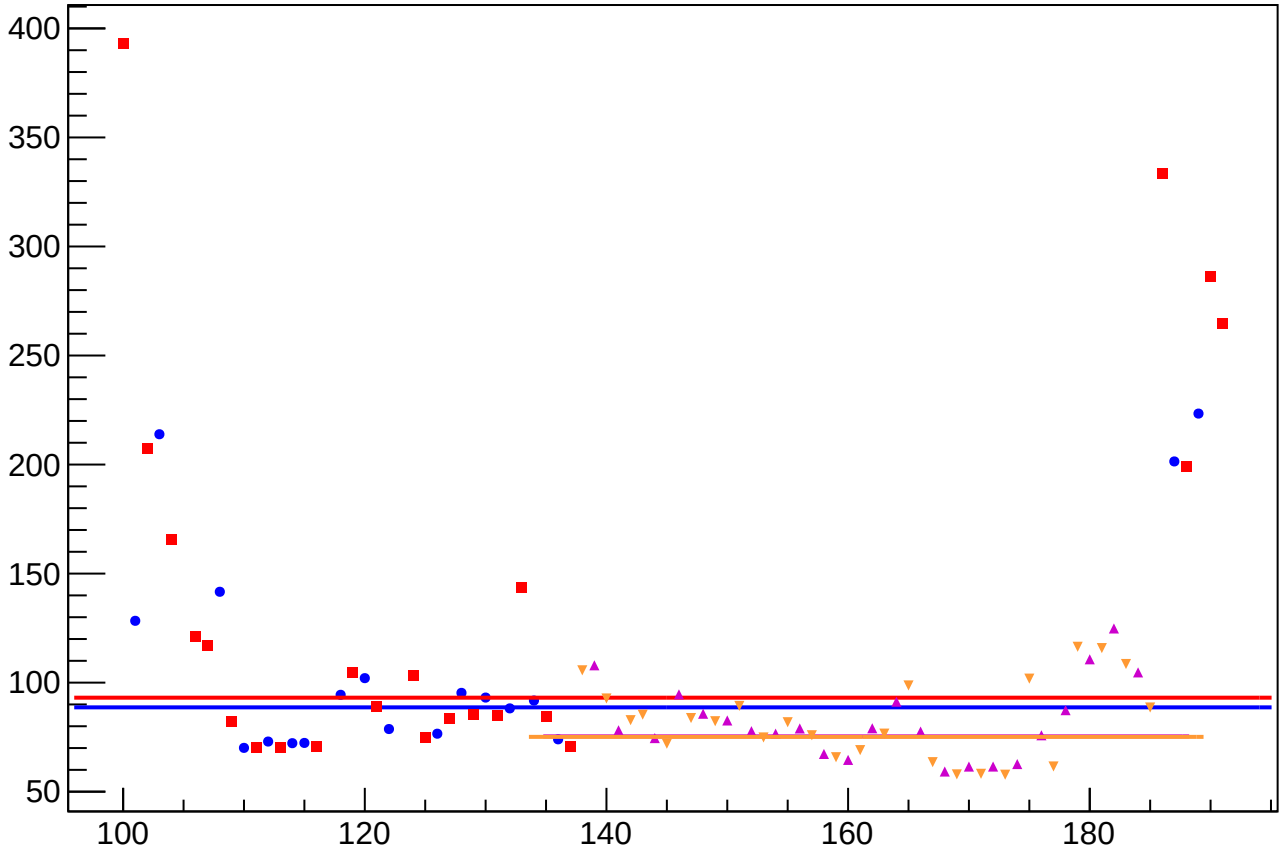
Left In: -72.848+/-18.276 χ^2/NDF:38.4/22

+ sign 65.700+/-15.678 χ^2/NDF: 62.7/42

All: 9.371+/-11.209 χ^2/NDF: 161.2/88

- sign -49.531+/-16.033 χ^2/NDF: 72.1/45

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: 93.099+/-0.024 χ^2/NDF: 2638503.9/22

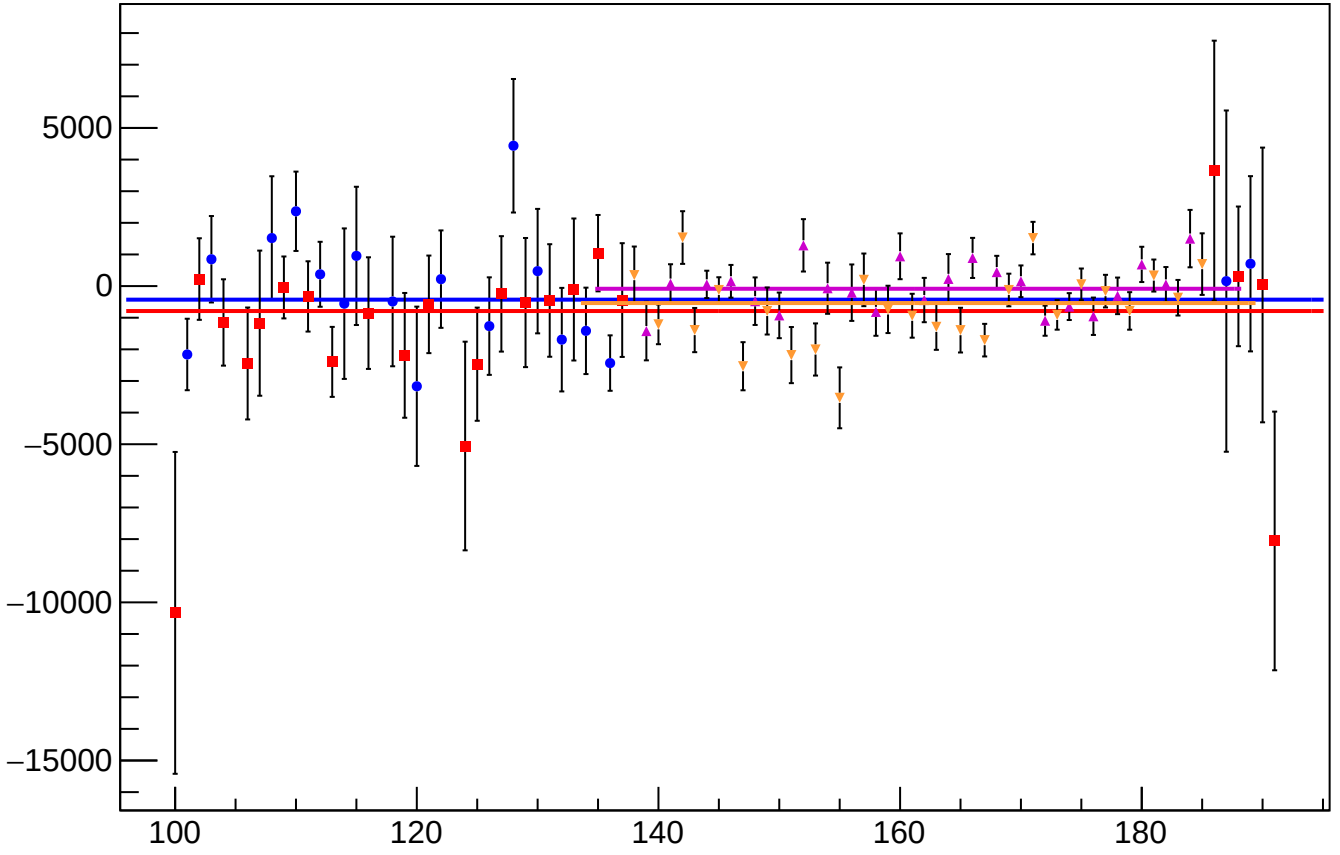
Left In: 75.363+/-0.013 χ^2/NDF:1225319.2/22

+ sign 78.096+/-0.011 χ^2/NDF: 3212765.2/42

All: 78.758+/-0.008 χ^2/NDF: 7517877.1/88

- sign 79.450+/-0.011 χ^2/NDF: 4297824.7/45

asym_sam_37_avg_eigen_dit_correction_mean vs Slug



Right In: -428.923+/-361.646 χ^2/NDF: 23.9/17

Left Out: -536.790+/-124.471 χ^2/NDF:67.0/24

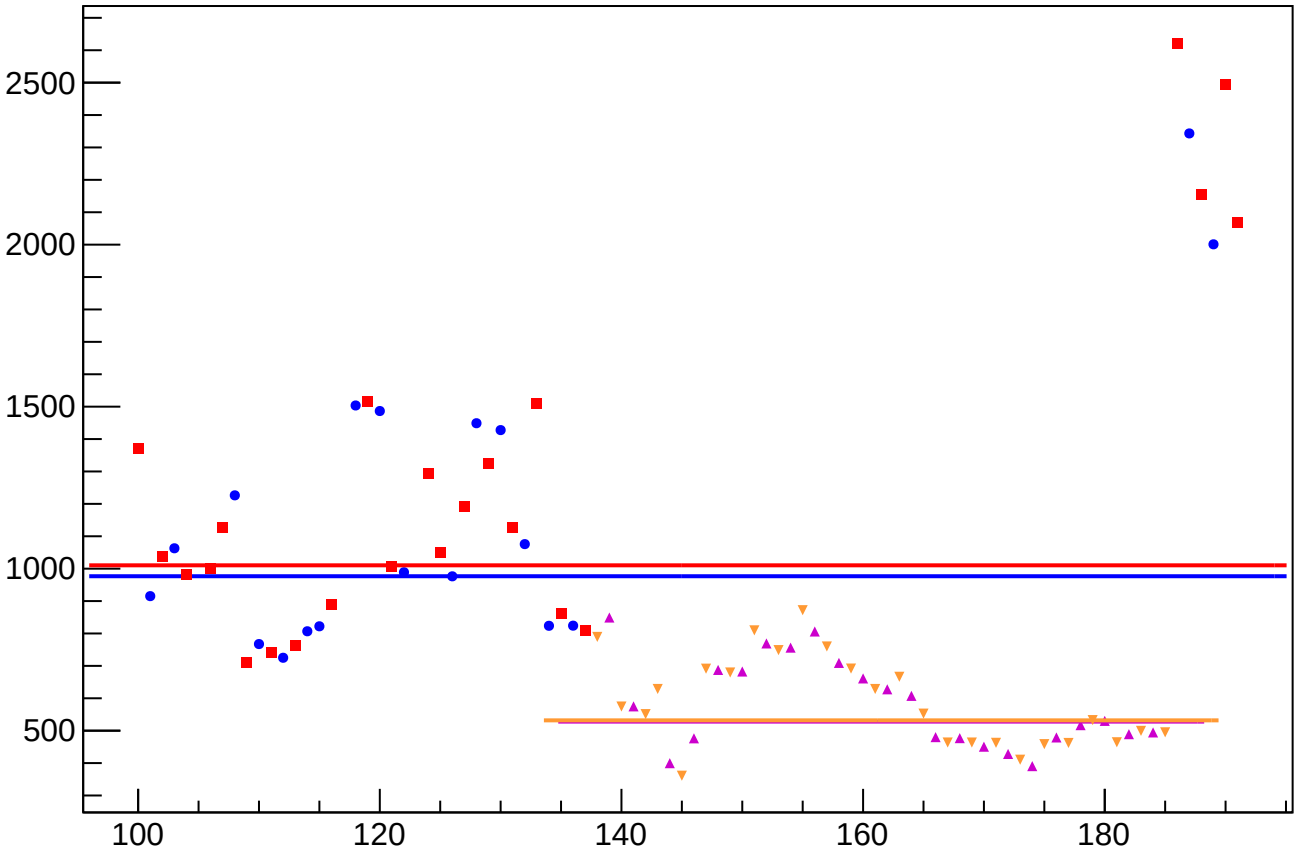
Right Out: -788.794+/-349.524 χ^2/NDF: 18.2/22

Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

+ sign -525.365+/-117.695 χ^2/NDF: 91.0/42

All: -348.673+/-83.818 χ^2/NDF: 144.9/88

- sign -166.833+/-119.397 χ^2/NDF: 49.3/45



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: 1010.343+/-0.247 χ^2/NDF: 2020464.2/22

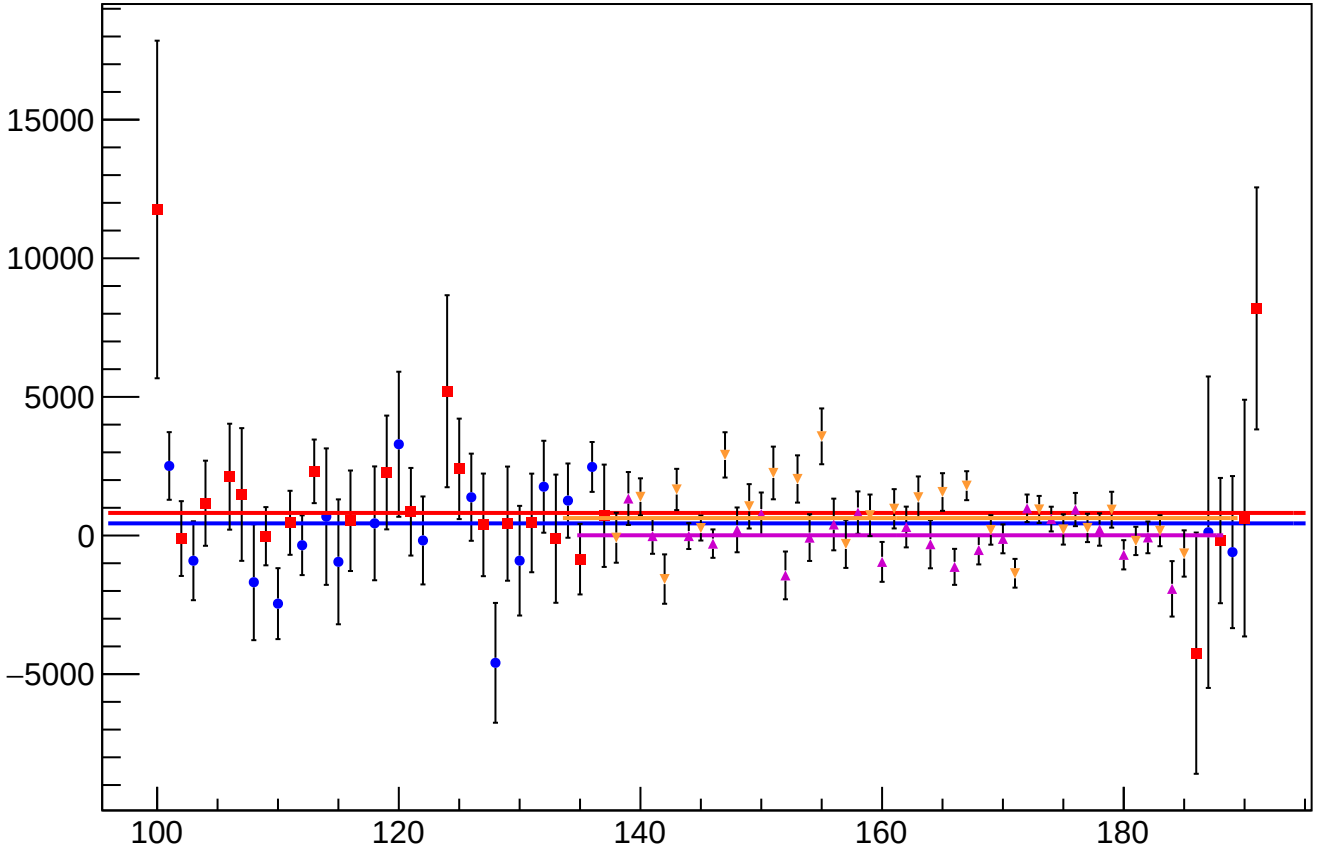
Left In: 527.986+/-0.090 χ^2/NDF:1800449.7/22

+ sign 578.982+/-0.083 χ^2/NDF: 5899570.7/42

All: 581.589+/-0.059 χ^2/NDF: 13087033.0/88

- sign 584.272+/-0.084 χ^2/NDF: 7185470.8/45

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: 814.562+/-365.248 χ^2/NDF: 16.1/22

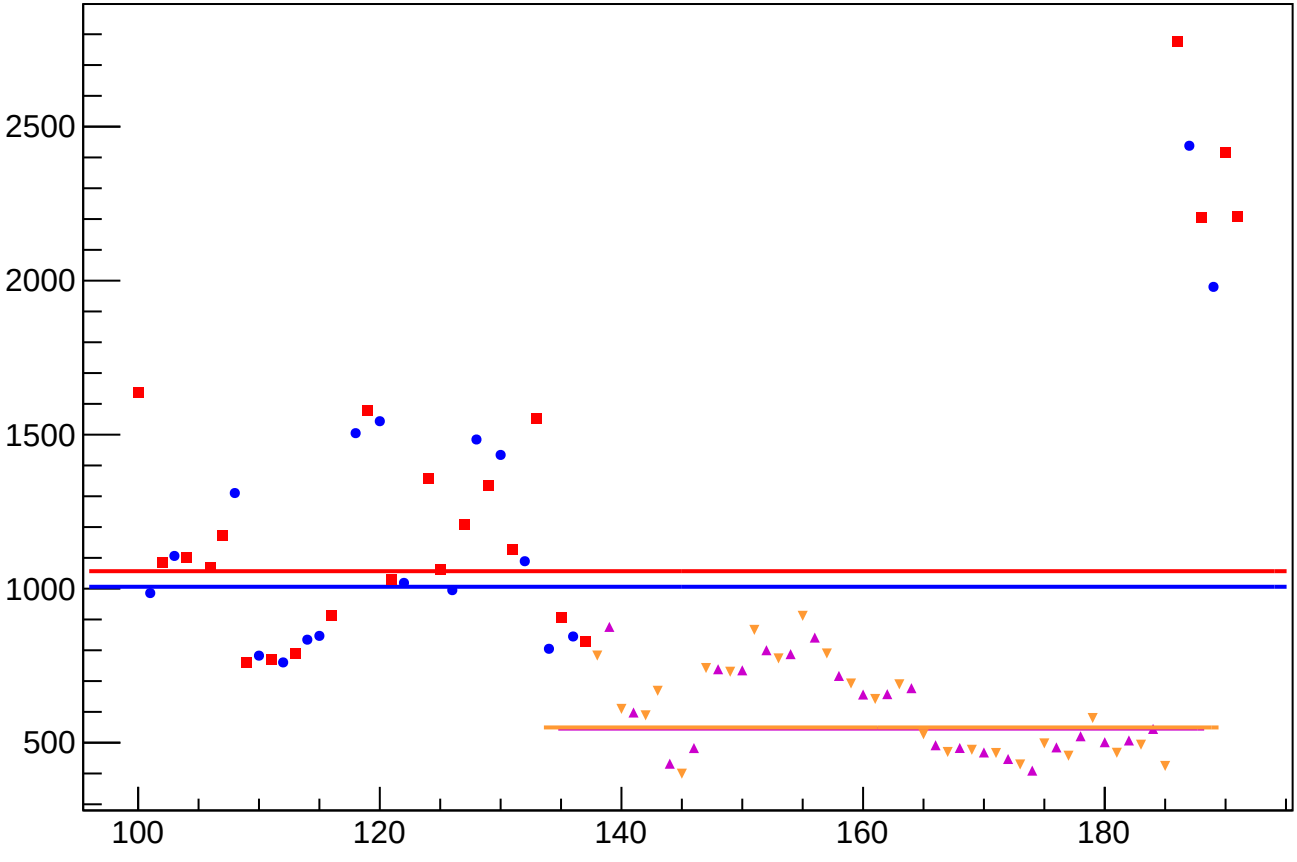
Left In: 8.460+/-131.289 χ^2/NDF:27.3/22

+ sign 608.945+/-121.775 χ^2/NDF: 89.8/42

All: 358.498+/-86.729 χ^2/NDF: 146.1/88

- sign 100.696+/-123.550 χ^2/NDF: 47.7/45

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

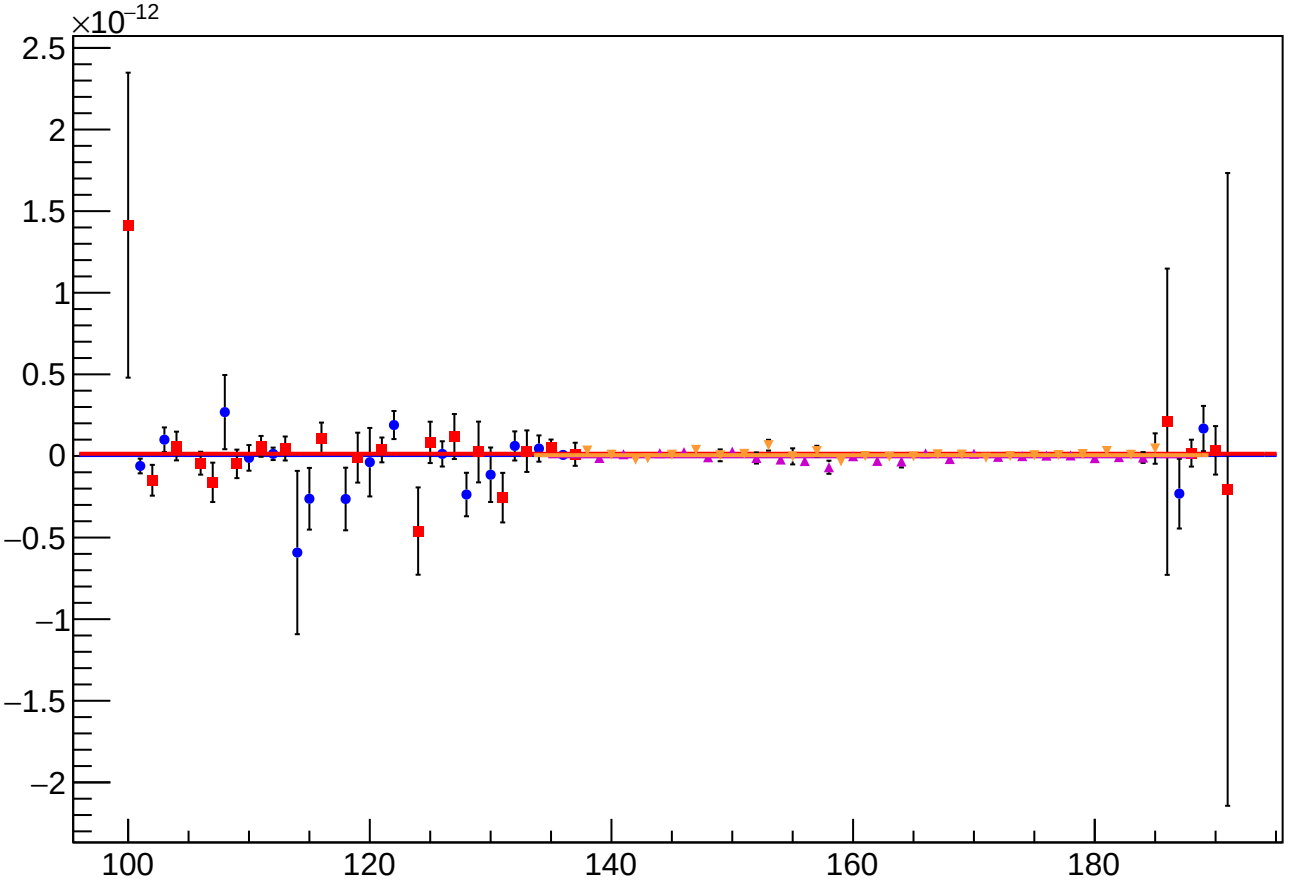
Right Out: 1056.788+/-0.258 χ^2/NDF: 1946529.5/22

Left In: 545.708+/-0.093 χ^2/NDF:1814508.3/22

+ sign 598.272+/-0.086 χ^2/NDF: 5866751.8/42

All: 601.187+/-0.061 χ^2/NDF: 13097956.0/88

- sign 604.187+/-0.087 χ^2/NDF: 7228879.4/45



Right In: 0.000+/-0.000 χ^2/NDF: 22.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:15.6/24

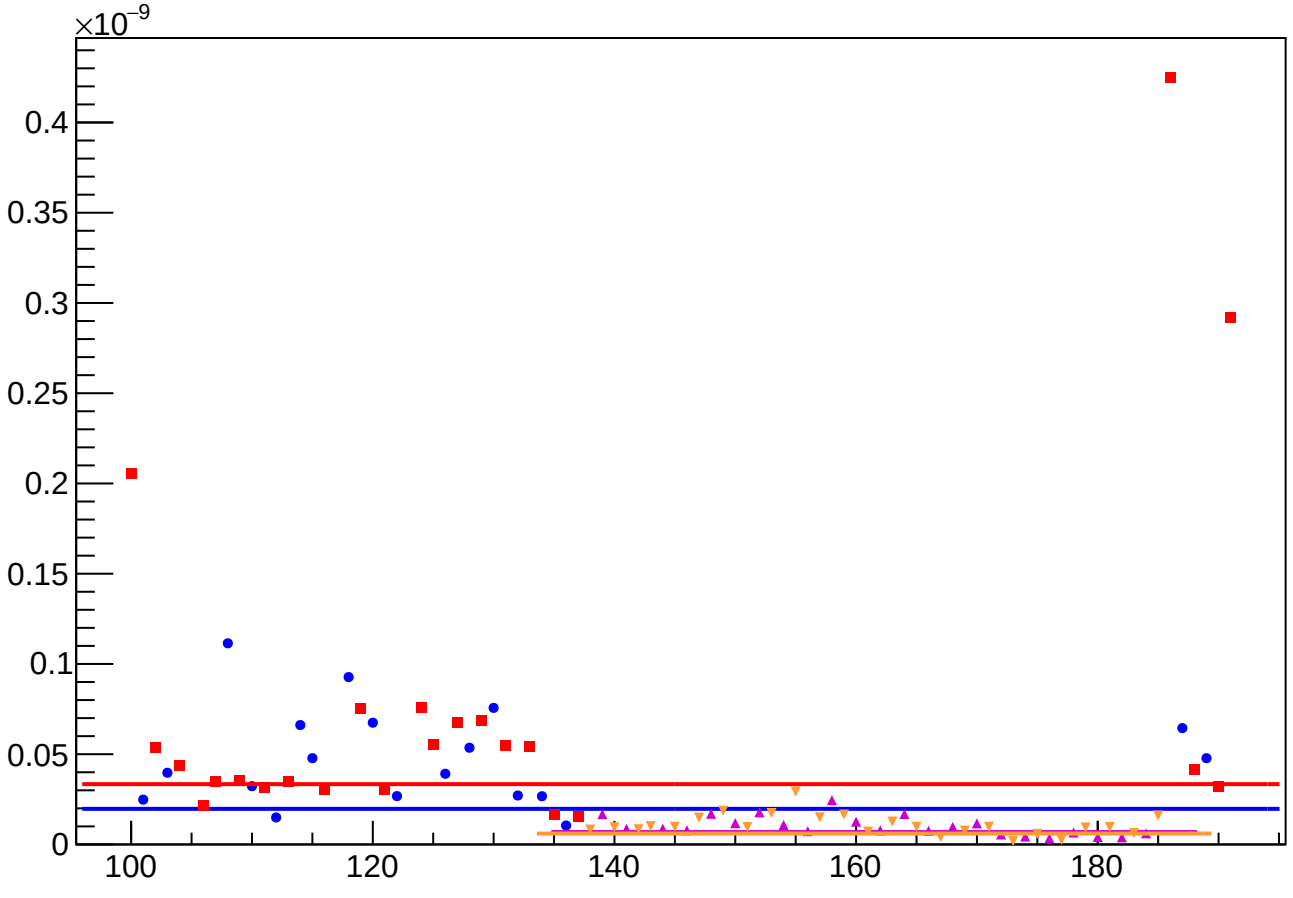
Right Out: 0.000+/-0.000 χ^2/NDF: 18.5/22

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: 79.4/88

- sign -0.000+/-0.000 χ^2/NDF: 39.1/45



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: 1586323.2/22

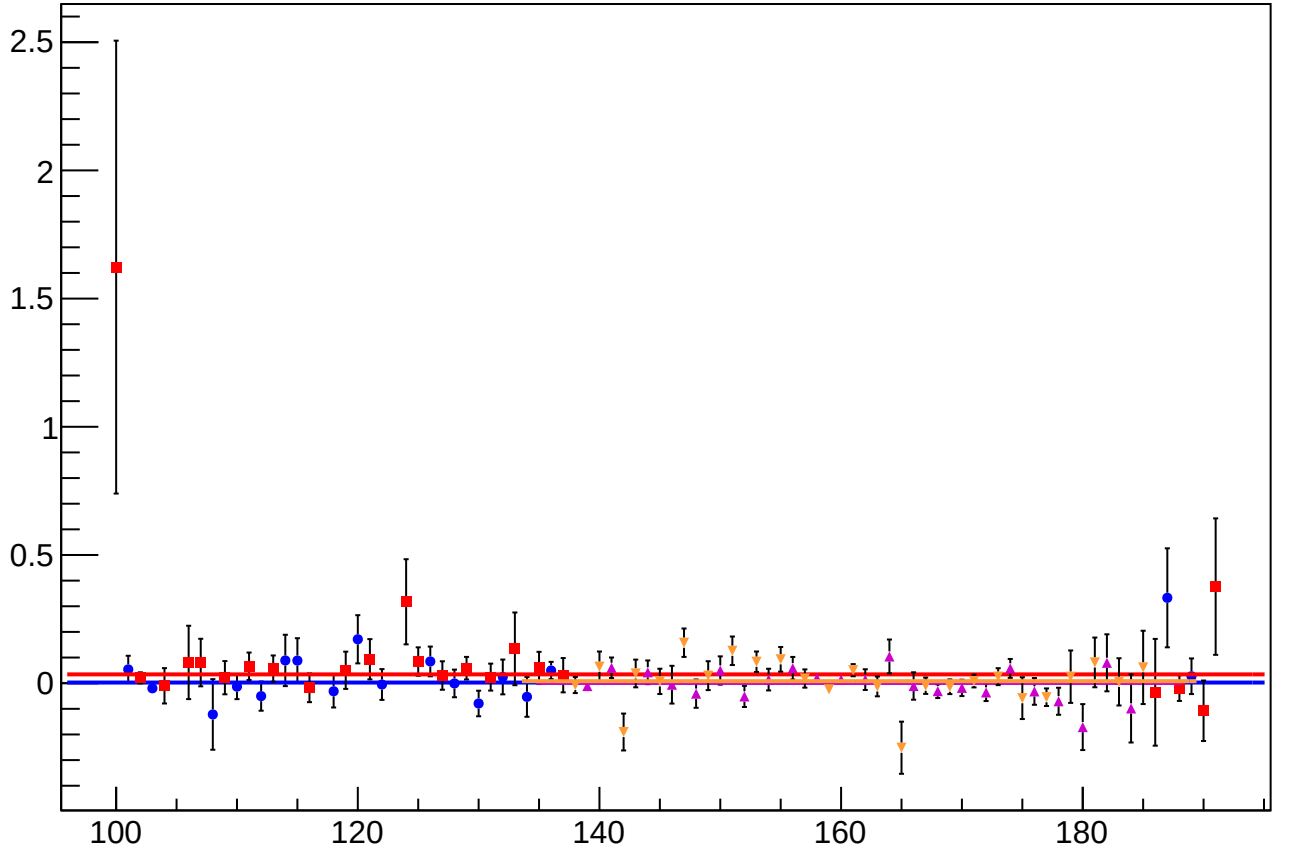
Left In: 0.000+/-0.000 χ^2/NDF:2417942.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 7519438.3/42

All: 0.000+/-0.000 χ^2/NDF: 15069257.0/88

- sign 0.000+/-0.000 χ^2/NDF: 7457633.7/45

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: 0.034+/-0.012 χ^2/NDF: 15.5/22

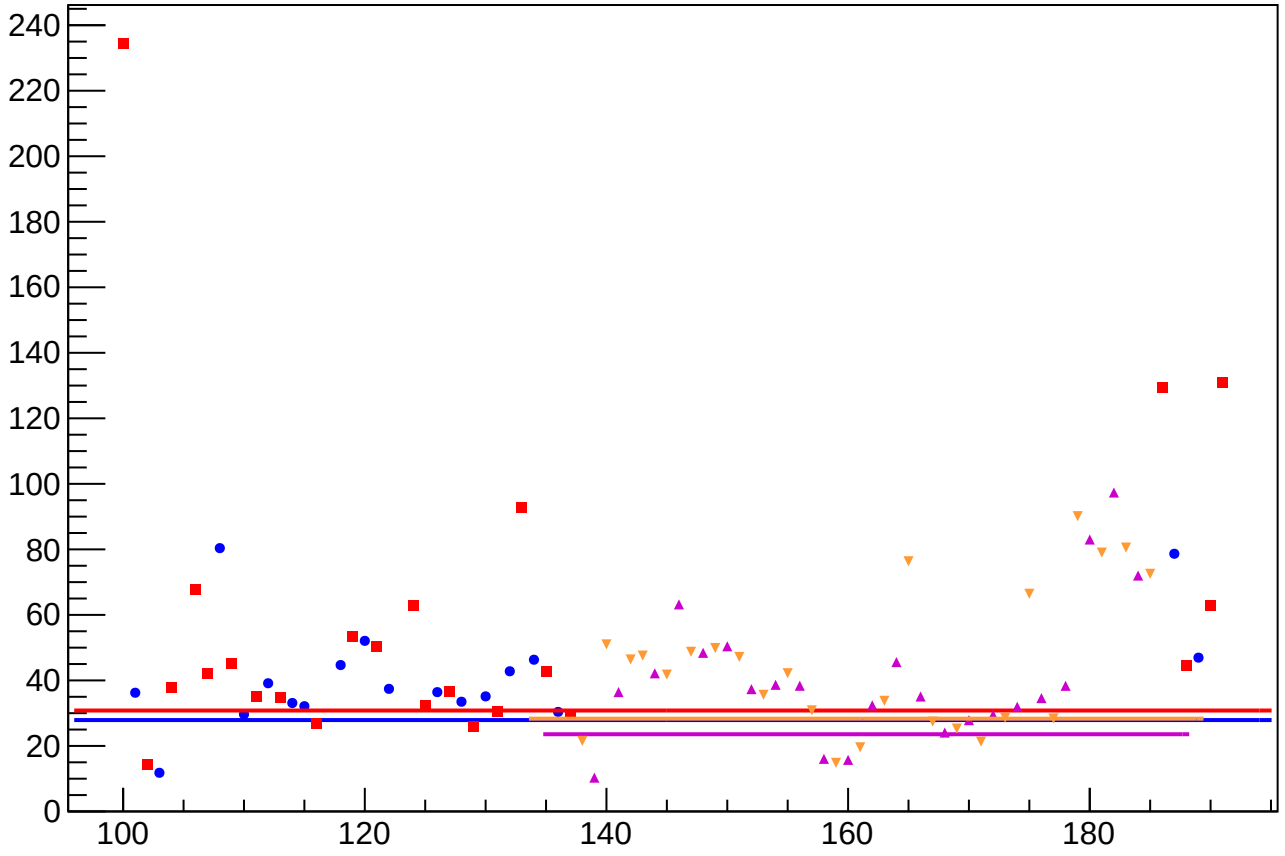
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 67.3/42

All: 0.008+/-0.004 χ^2/NDF: 113.7/88

- sign 0.009+/-0.006 χ^2/NDF: 46.3/45

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

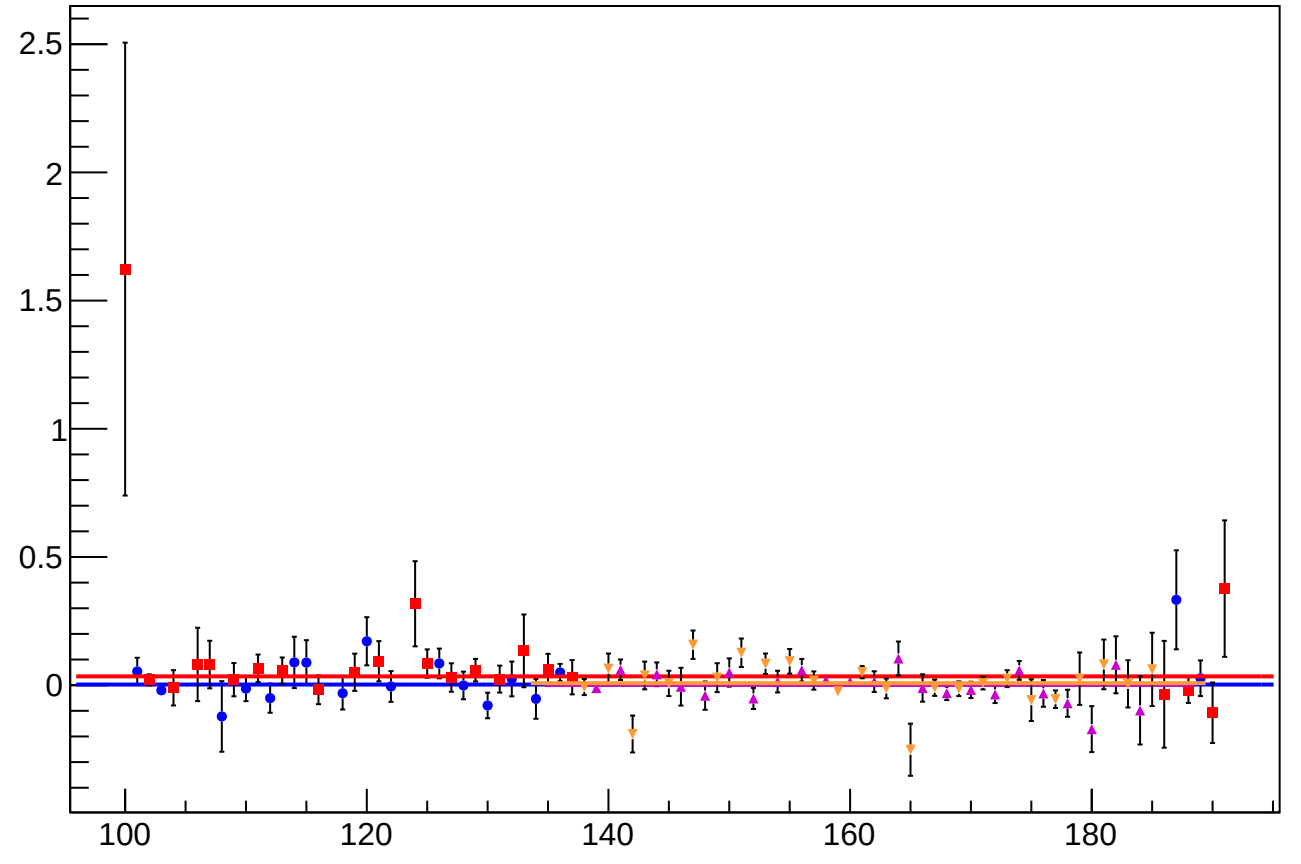
Right Out: 30.814+/-0.009 χ^2/NDF: 3529654.3/22

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

+ sign 28.200+/-0.005 χ^2/NDF: 9502169.1/42

All: 26.646+/-0.003 χ^2/NDF: 22057388.8/88

- sign 25.301+/-0.004 χ^2/NDF: 12334026.5/45



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: 0.034+/-0.012 χ^2/NDF: 15.5/22

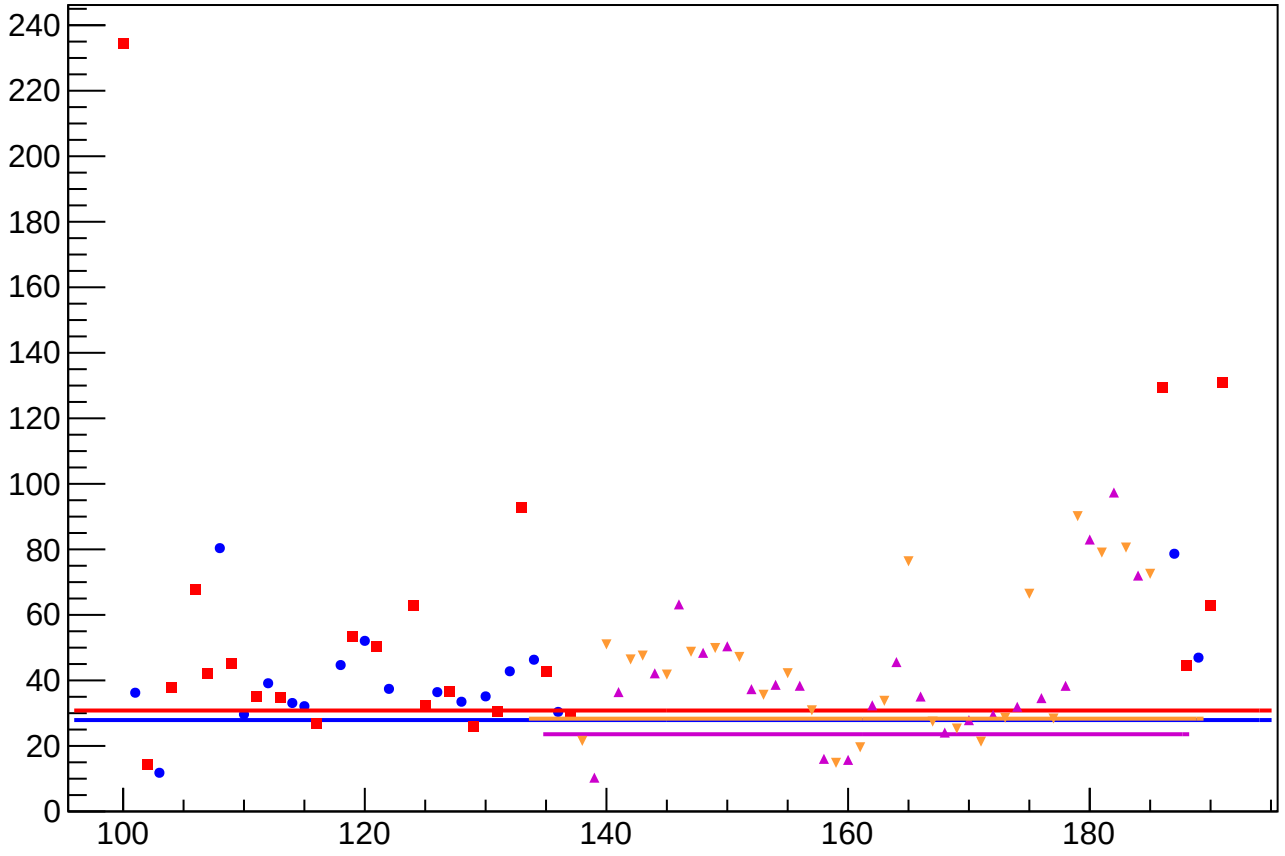
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 67.3/42

All: 0.008+/-0.004 χ^2/NDF: 113.7/88

- sign 0.009+/-0.006 χ^2/NDF: 46.3/45

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

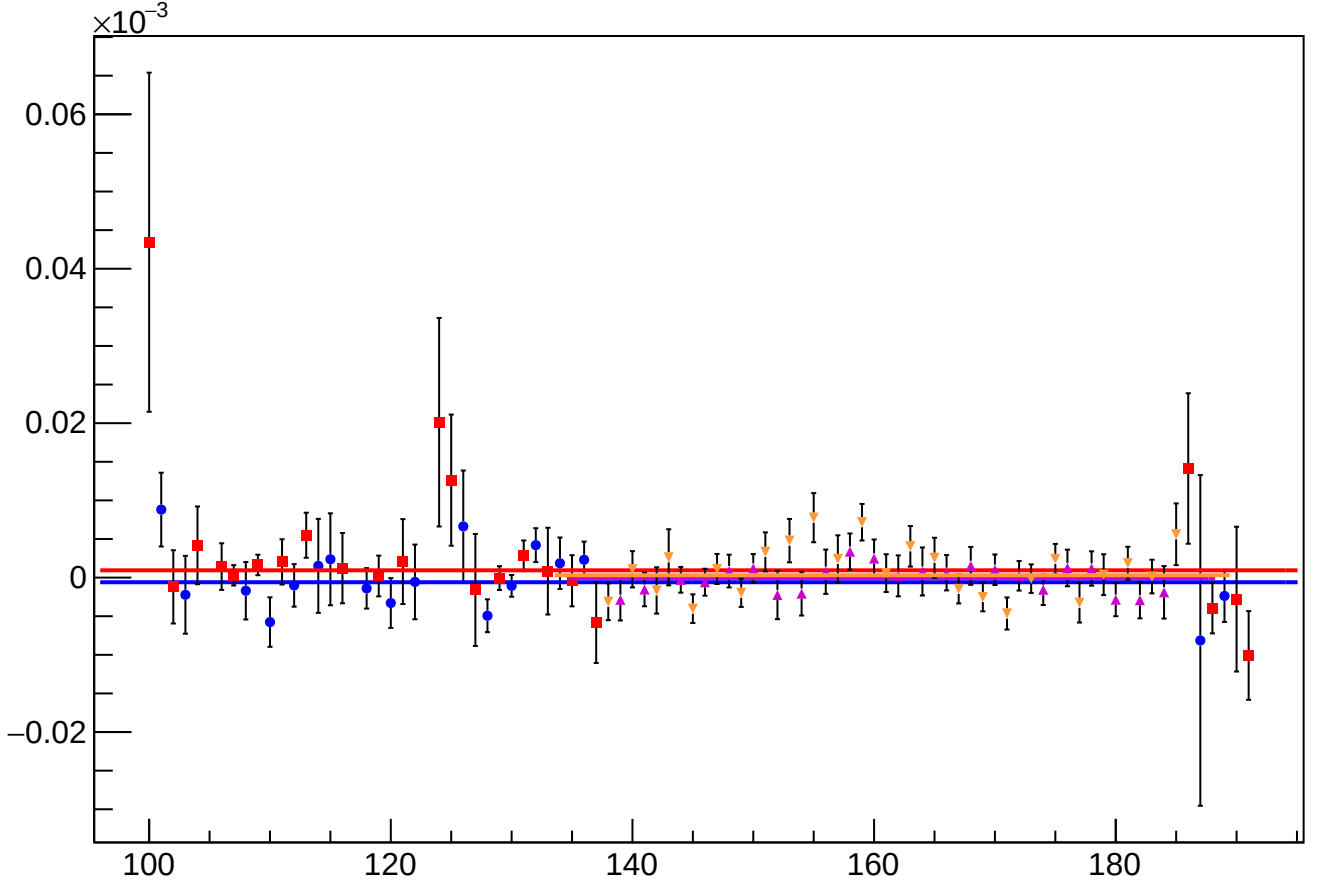
Right Out: 30.814+/-0.009 χ^2/NDF: 3529654.3/22

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

+ sign 28.200+/-0.005 χ^2/NDF: 9502169.1/42

All: 26.646+/-0.003 χ^2/NDF: 22057388.8/88

- sign 25.301+/-0.004 χ^2/NDF: 12334026.5/45



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:45.7/24

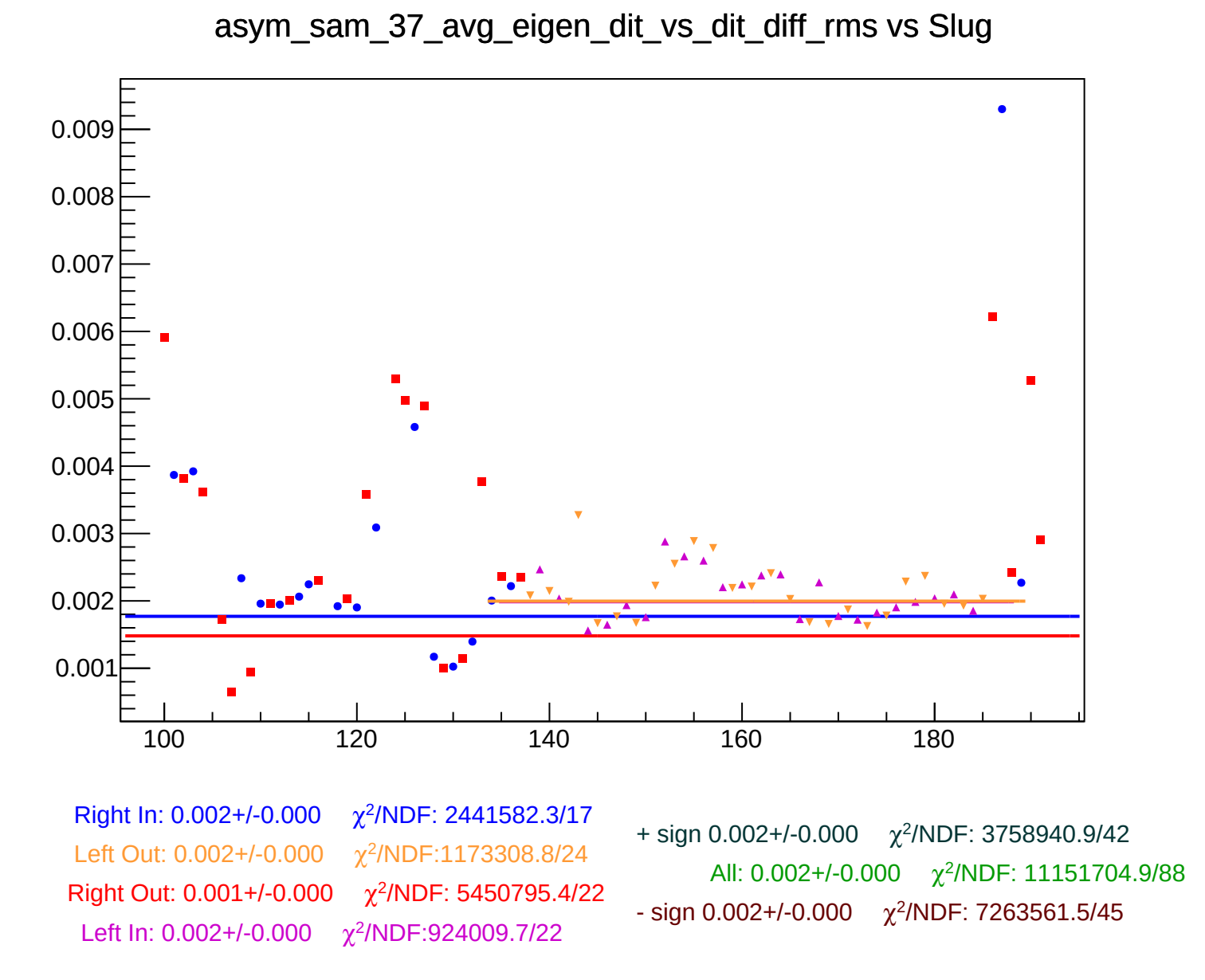
Right Out: 0.000+/-0.000 χ^2/NDF: 22.7/22

Left In: -0.000+/-0.000 χ^2/NDF:12.1/22

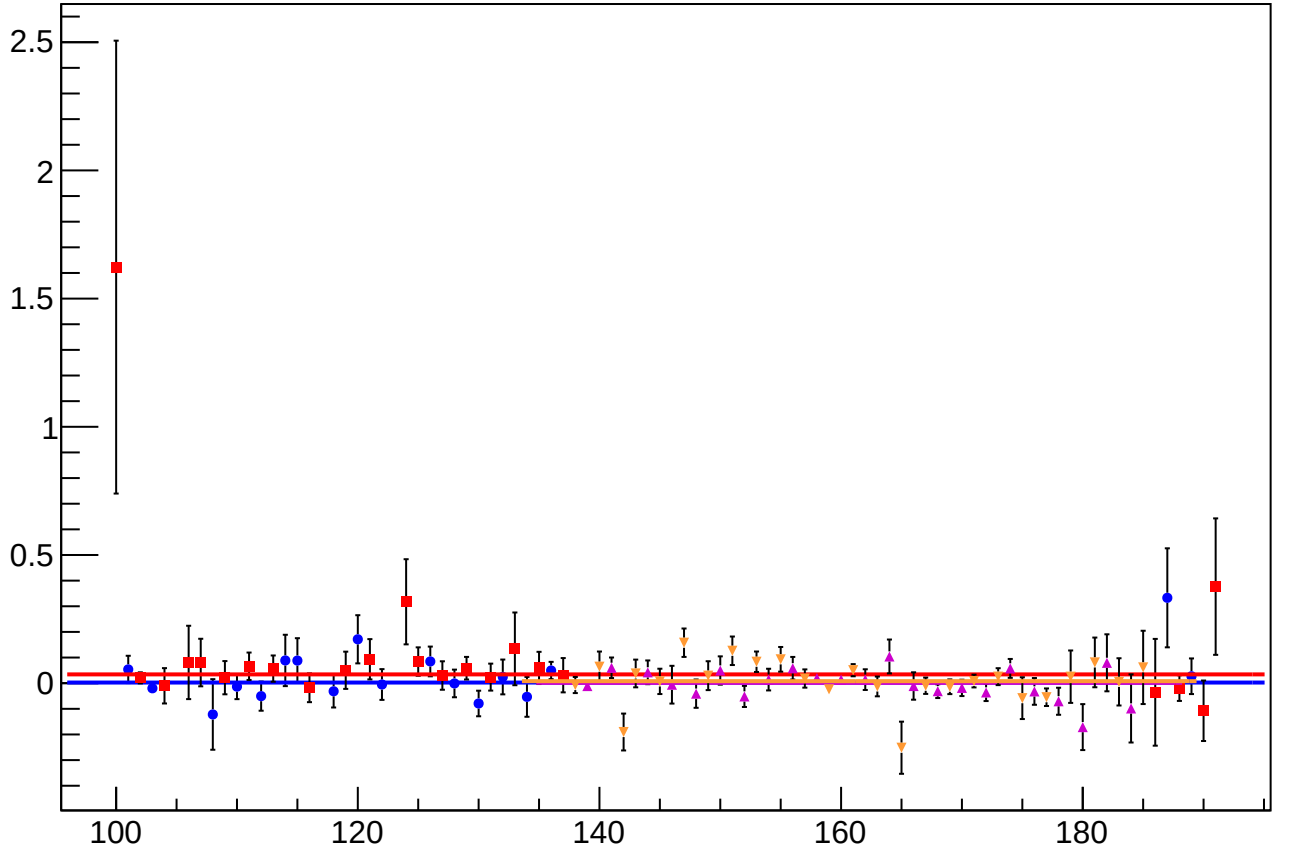
+ sign 0.000+/-0.000 χ^2/NDF: 67.2/42

All: 0.000+/-0.000 χ^2/NDF: 104.1/88

- sign 0.000+/-0.000 χ^2/NDF: 36.6/45


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
120
140
160
180
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: 5450795.4/22
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: 11151704.9/88
- sign 0.002+/-0.000 χ²/NDF: 7263561.5/45

asym_sam_37_avg_eigen_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: 0.034+/-0.012 χ^2/NDF: 15.5/22

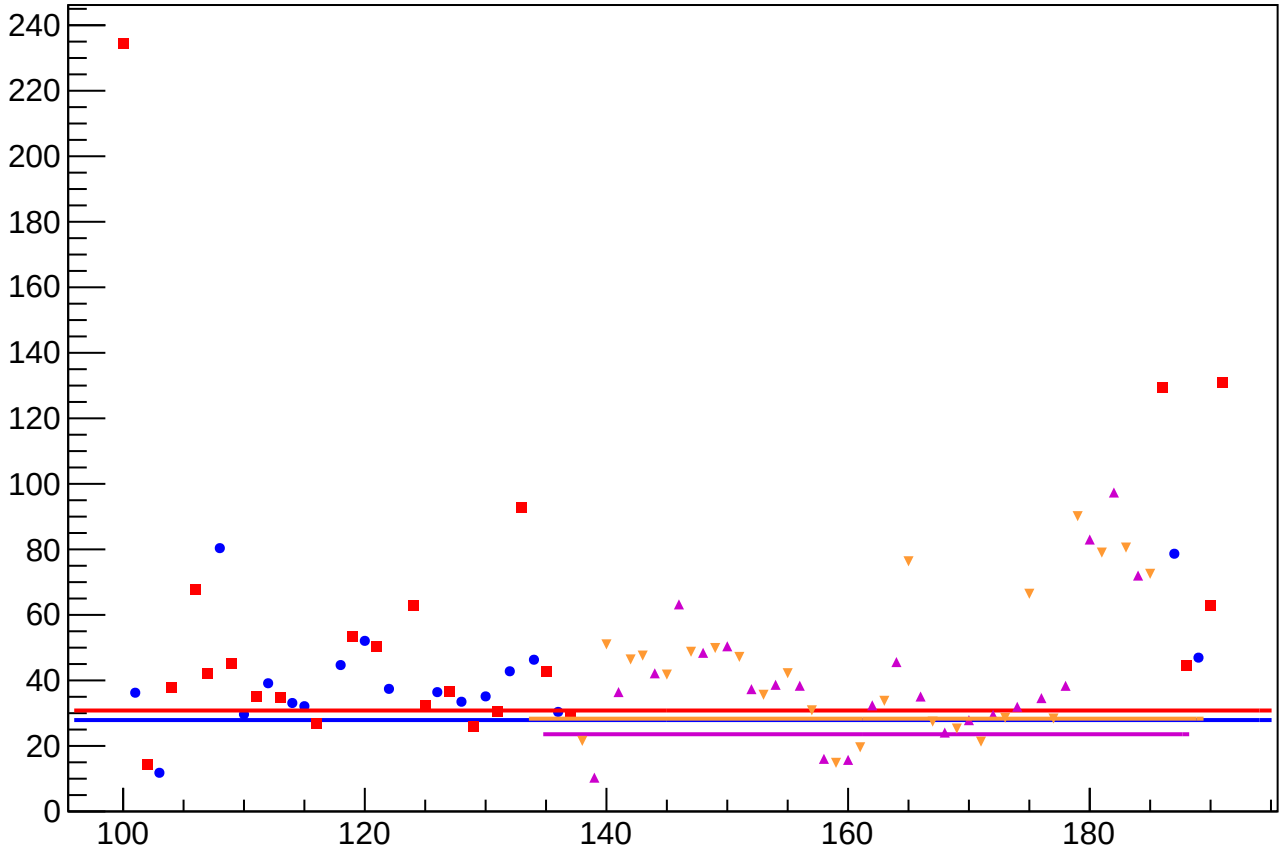
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 67.3/42

All: 0.008+/-0.004 χ^2/NDF: 113.7/88

- sign 0.009+/-0.006 χ^2/NDF: 46.3/45

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

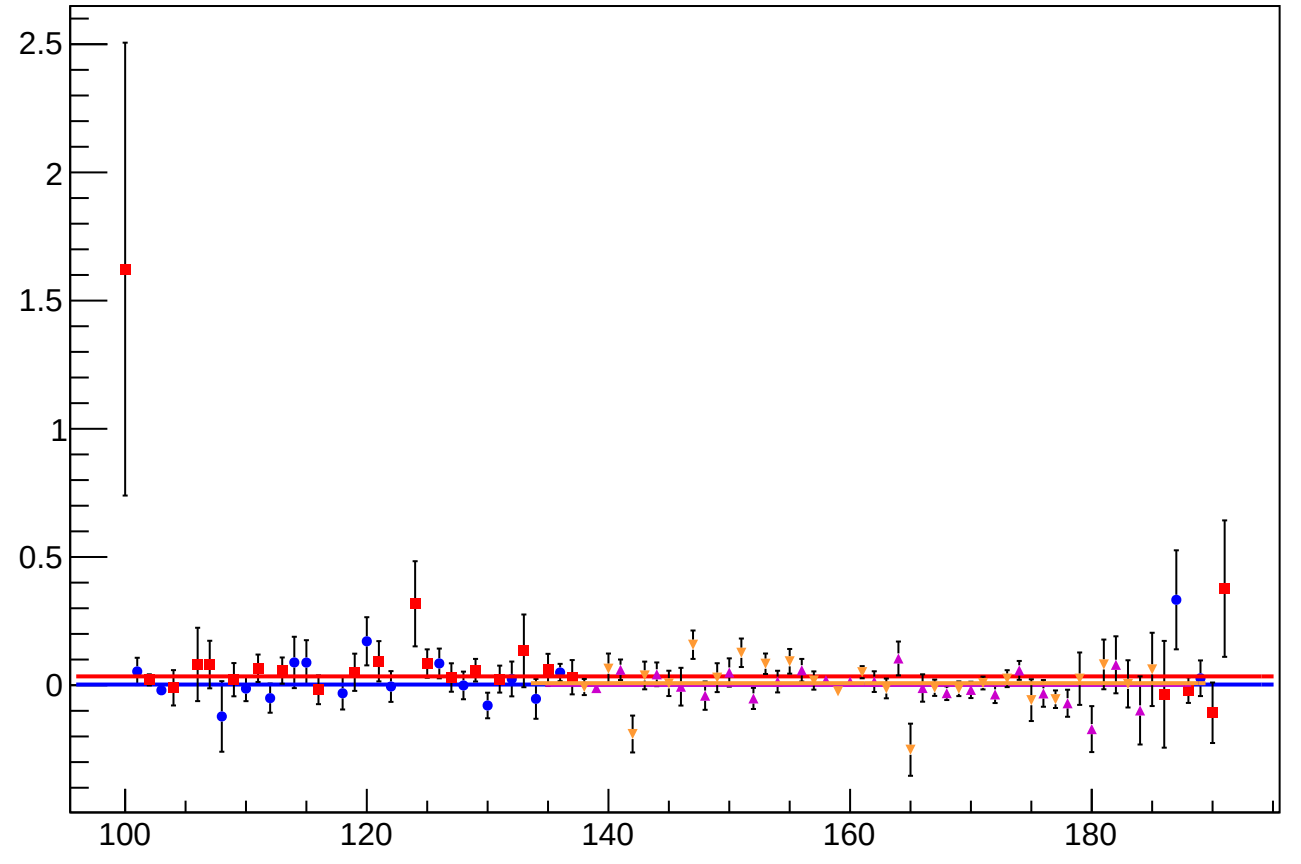
Right Out: 30.816+/-0.009 χ^2/NDF: 3528907.4/22

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

+ sign 28.200+/-0.005 χ^2/NDF: 9502984.6/42

All: 26.646+/-0.003 χ^2/NDF: 22059045.1/88

- sign 25.301+/-0.004 χ^2/NDF: 12334867.8/45



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: 0.034+/-0.012 χ^2/NDF: 15.5/22

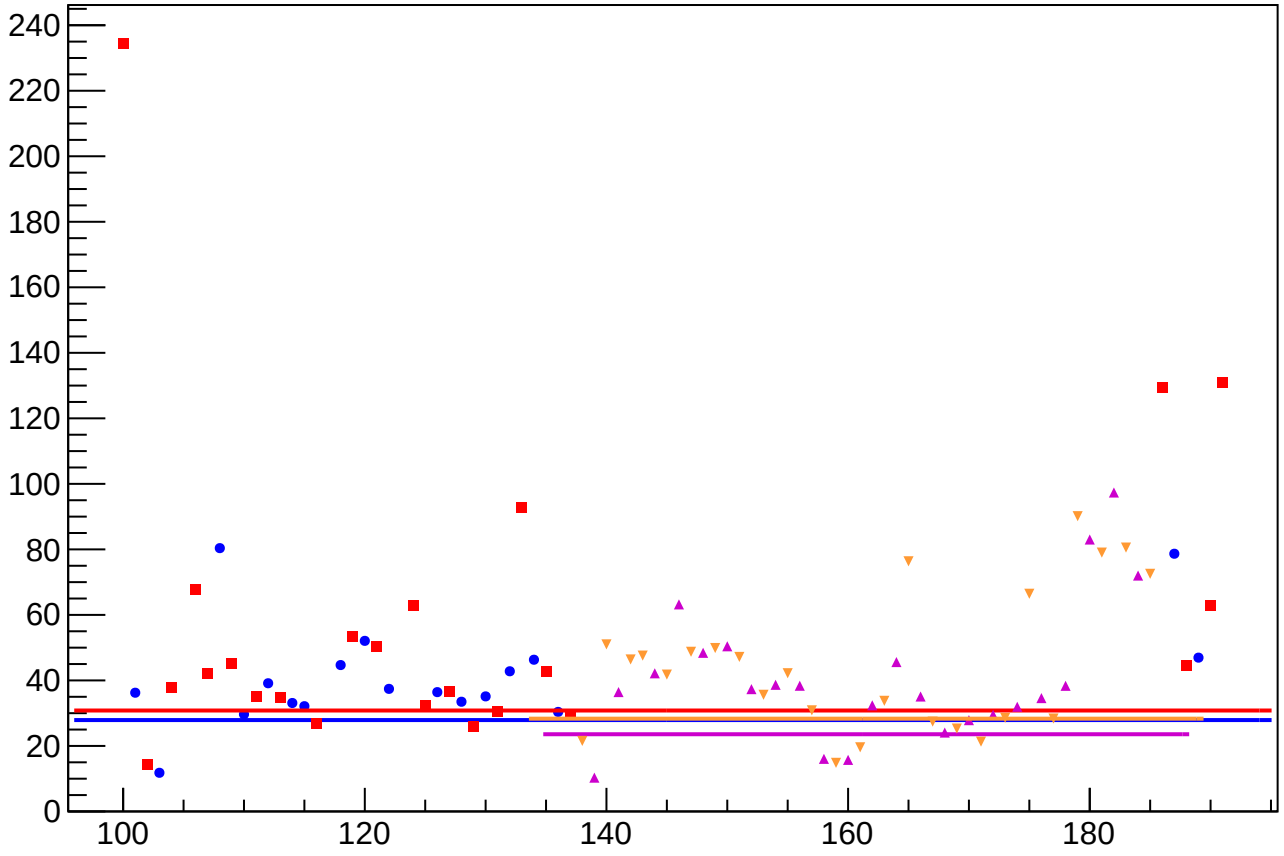
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 67.3/42

All: 0.008+/-0.004 χ^2/NDF: 113.7/88

- sign 0.009+/-0.006 χ^2/NDF: 46.3/45

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

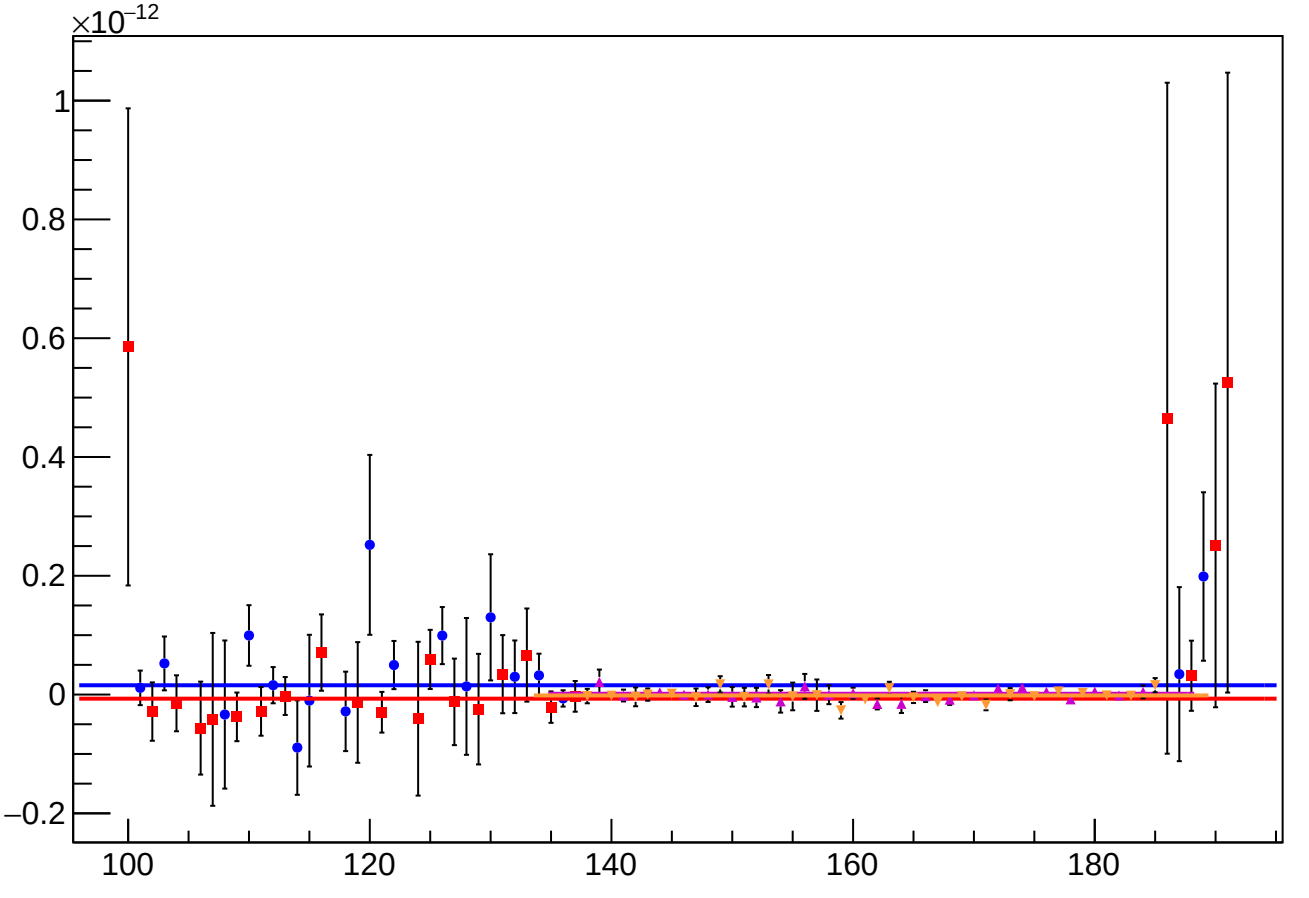
Right Out: 30.816+/-0.009 χ^2/NDF: 3528907.4/22

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

+ sign 28.200+/-0.005 χ^2/NDF: 9502984.6/42

All: 26.646+/-0.003 χ^2/NDF: 22059045.1/88

- sign 25.301+/-0.004 χ^2/NDF: 12334867.8/45



Right In: 0.000+/-0.000 χ^2/NDF: 17.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:17.6/24

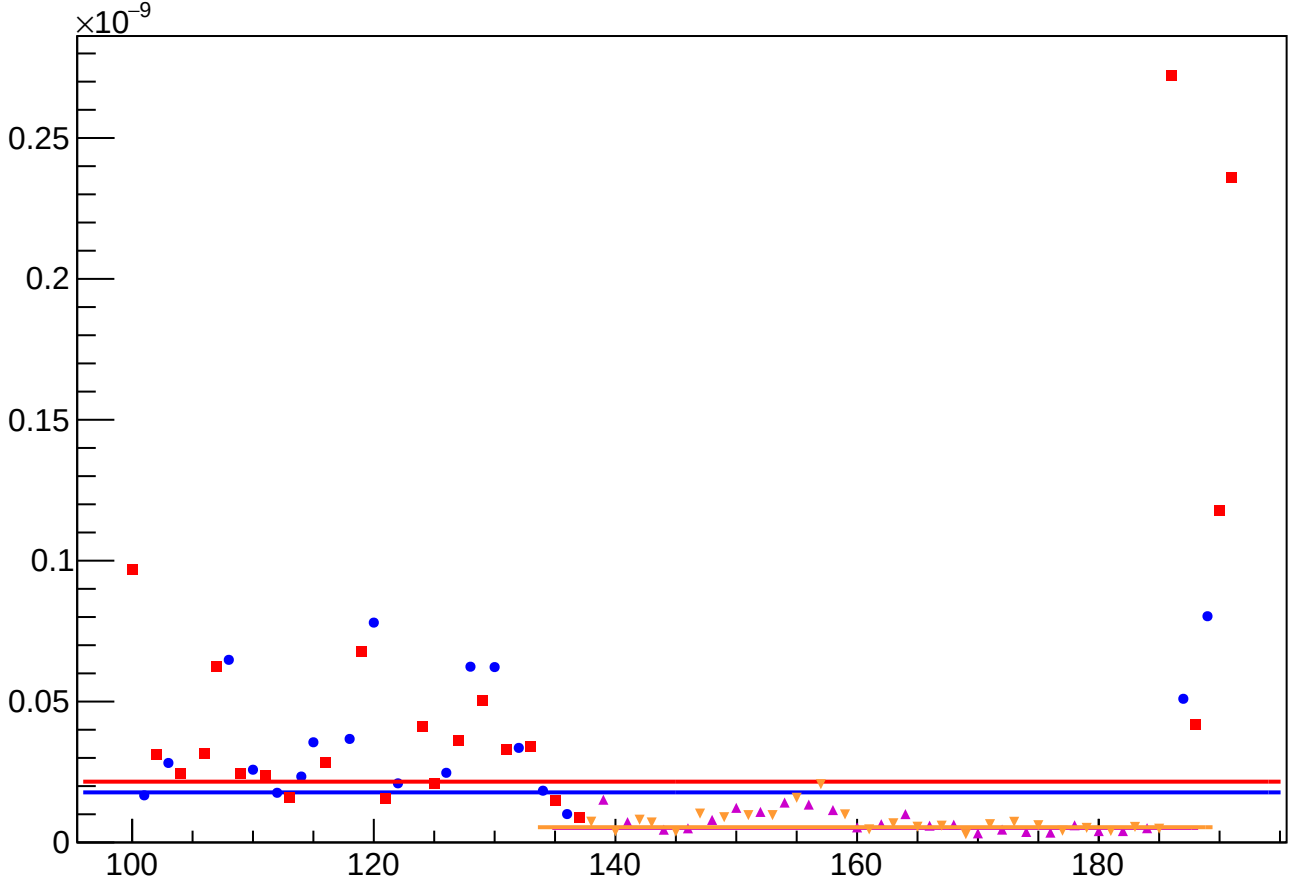
Right Out: -0.000+/-0.000 χ^2/NDF: 12.1/22

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: 67.7/88

- sign 0.000+/-0.000 χ^2/NDF: 28.6/45



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: 3158680.9/22

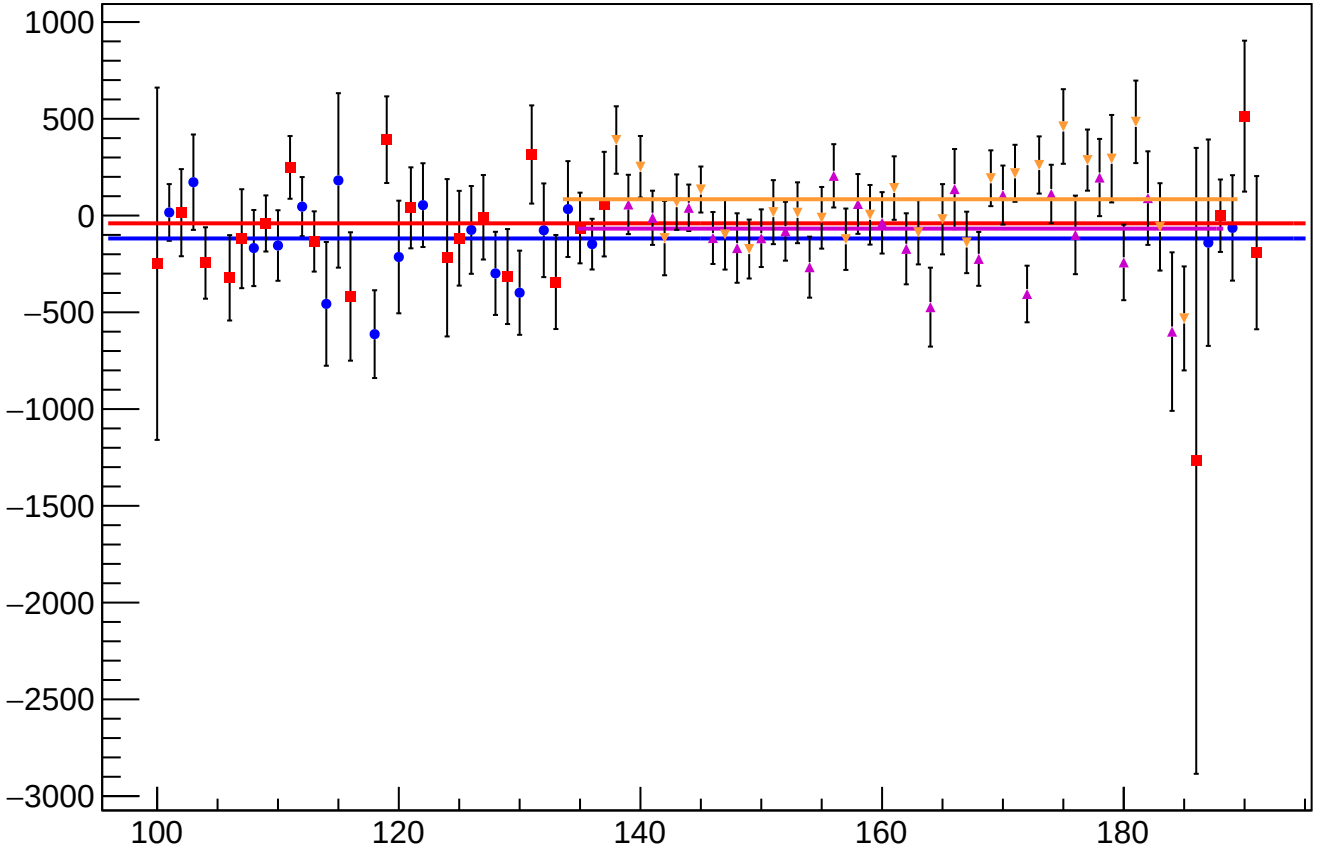
Left In: 0.000+/-0.000 χ^2/NDF:3390855.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 9337982.8/42

All: 0.000+/-0.000 χ^2/NDF: 20543544.8/88

- sign 0.000+/-0.000 χ^2/NDF: 11186582.6/45

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: -40.165+/-47.494 χ^2/NDF: 19.8/22

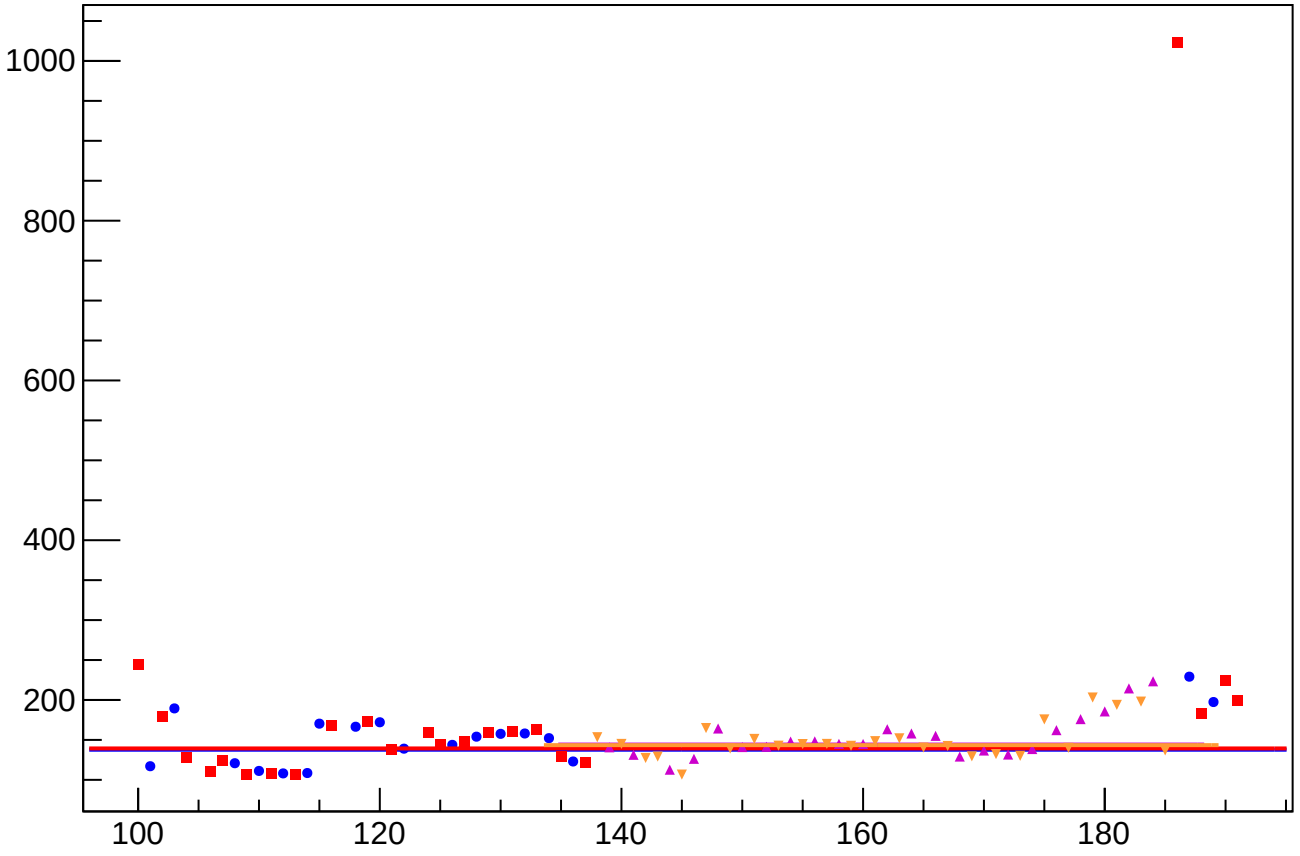
Left In: -67.646+/-34.137 χ^2/NDF:26.5/22

+ sign 22.718+/-27.564 χ^2/NDF: 58.7/42

All: -17.555+/-19.545 χ^2/NDF: 109.6/88

- sign -58.285+/-27.719 χ^2/NDF: 46.6/45

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: 139.314+/-0.034 χ^2/NDF: 1374519.1/22

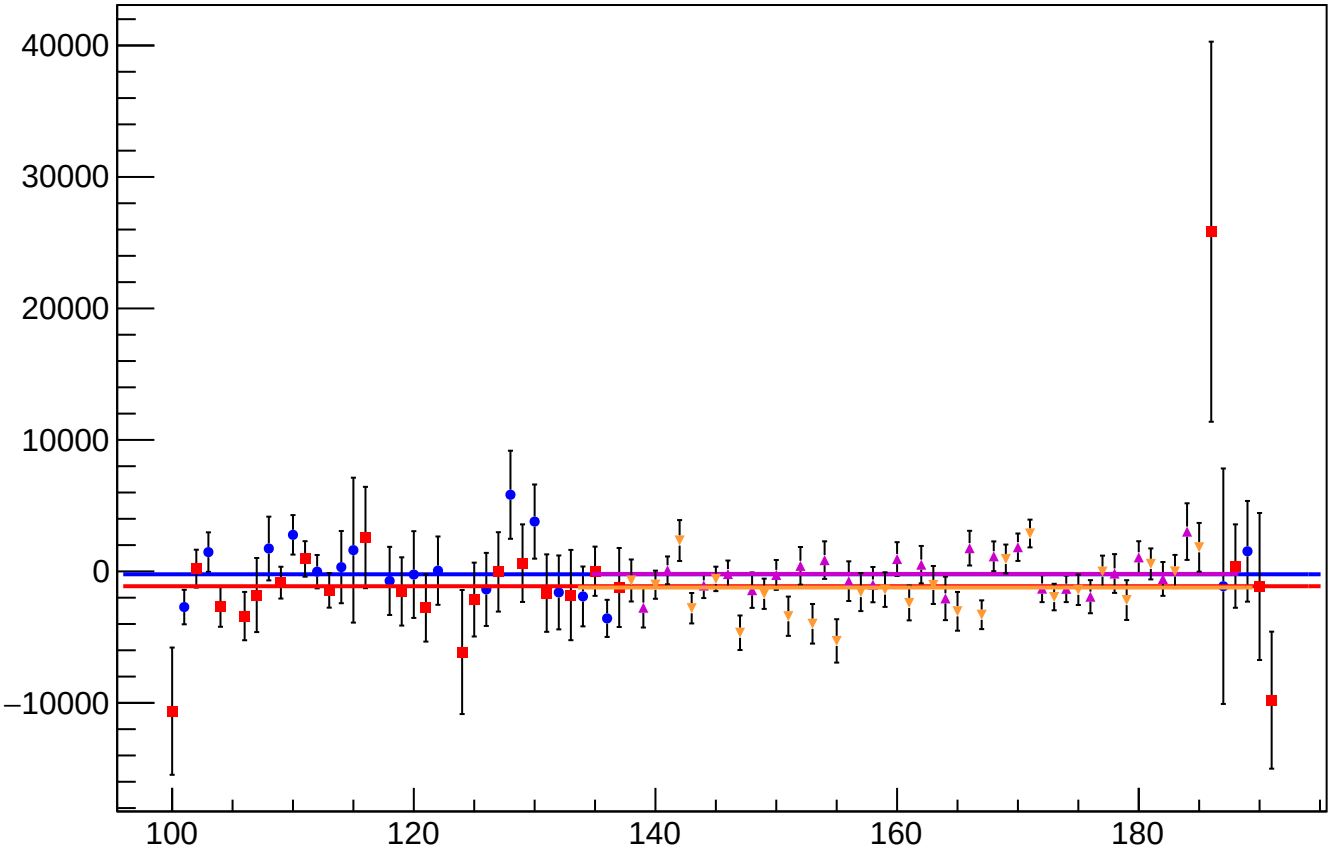
Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 141.702+/-0.019 χ^2/NDF: 1343636.6/42

All: 142.107+/-0.014 χ^2/NDF: 3435523.4/88

- sign 142.516+/-0.020 χ^2/NDF: 2091019.4/45

asym_sam_48_avg_reg_correction_mean vs Slug



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: -1127.821+/-459.758 χ^2/NDF: 19.9/22

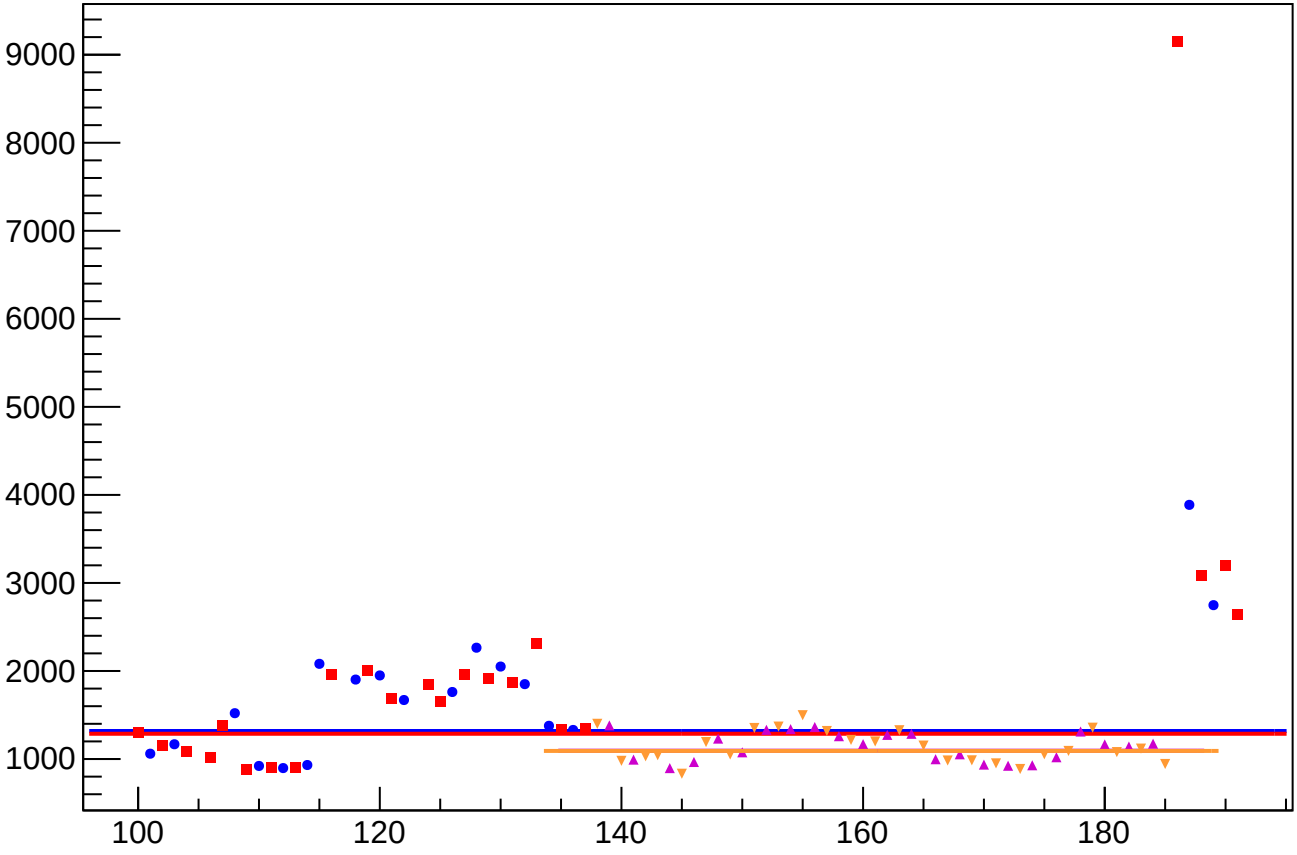
Left In: -193.805+/-258.922 χ^2/NDF:23.3/22

+ sign -1019.255+/-224.539 χ^2/NDF: 84.4/42

All: -720.404+/-159.149 χ^2/NDF: 134.2/88

- sign -418.708+/-225.605 χ^2/NDF: 46.3/45

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: 1286.919+/-0.325 χ^2/NDF: 3032288.9/22

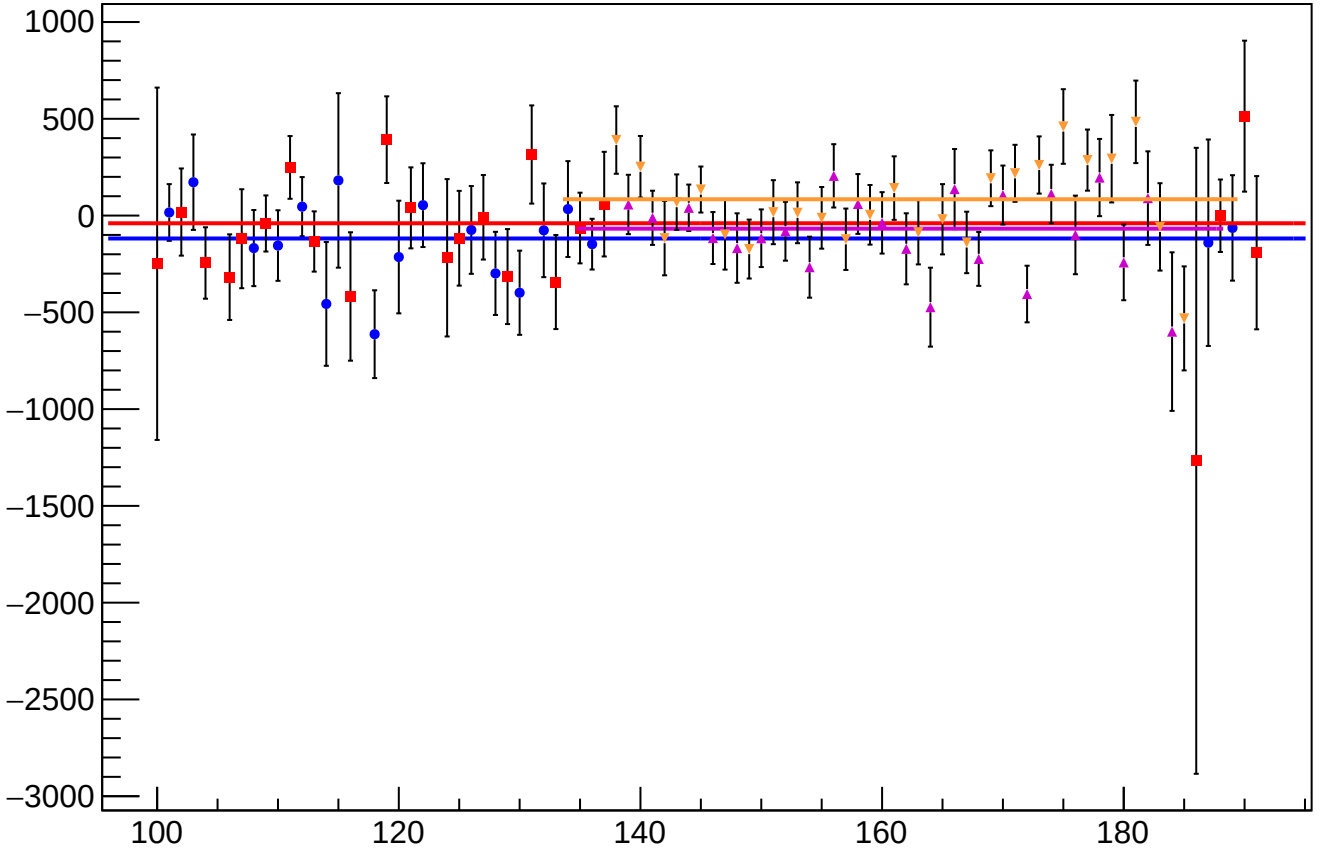
Left In: 1094.478+/-0.183 χ^2/NDF:732975.2/22

+ sign 1138.271+/-0.159 χ^2/NDF: 2845101.9/42

All: 1139.538+/-0.113 χ^2/NDF: 6876520.8/88

- sign 1140.816+/-0.160 χ^2/NDF: 4031291.0/45

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: -39.767+/-47.501 χ^2/NDF: 19.8/22

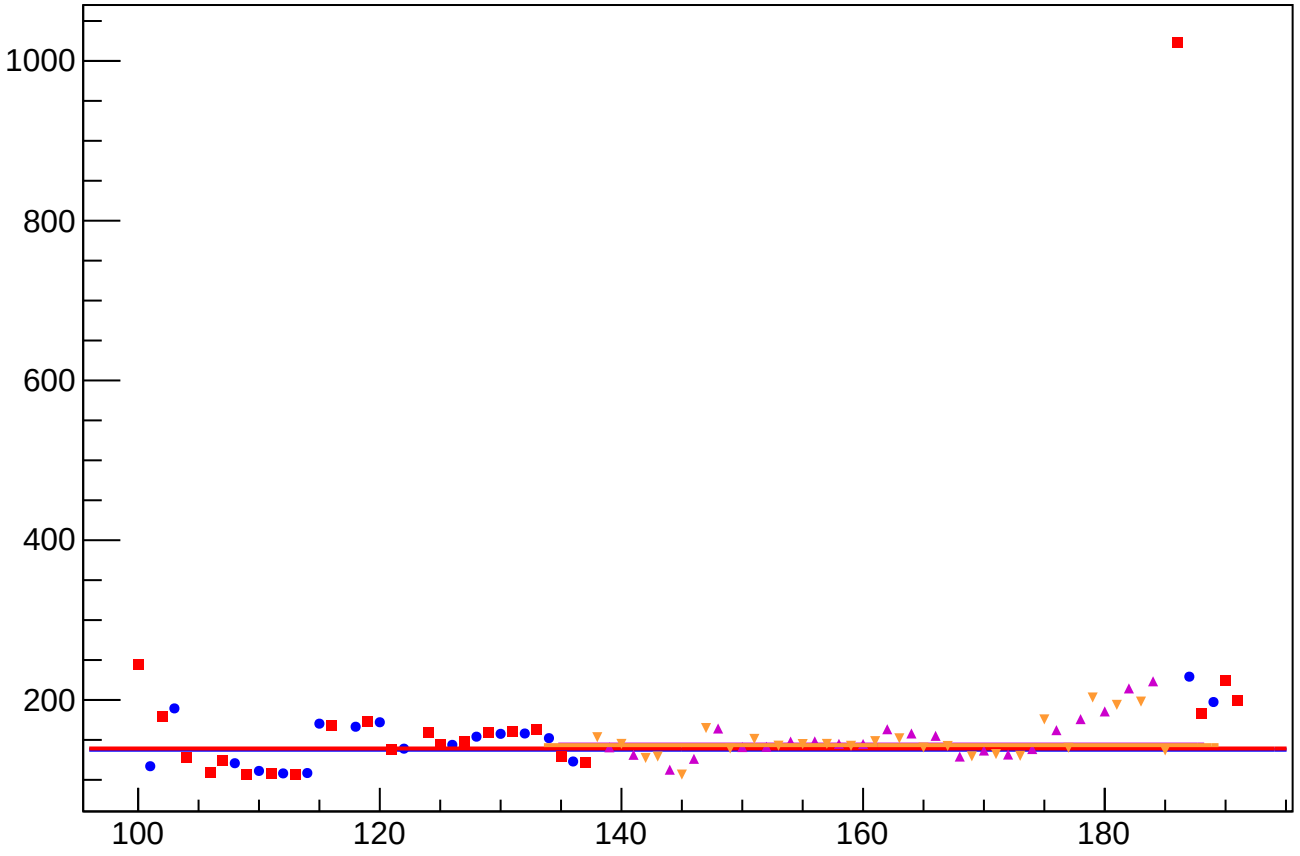
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 22.725+/-27.564 χ^2/NDF: 58.7/42

All: -17.484+/-19.546 χ^2/NDF: 109.5/88

- sign -58.152+/-27.721 χ^2/NDF: 46.5/45

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: 139.251+/-0.034 χ^2/NDF: 1378373.2/22

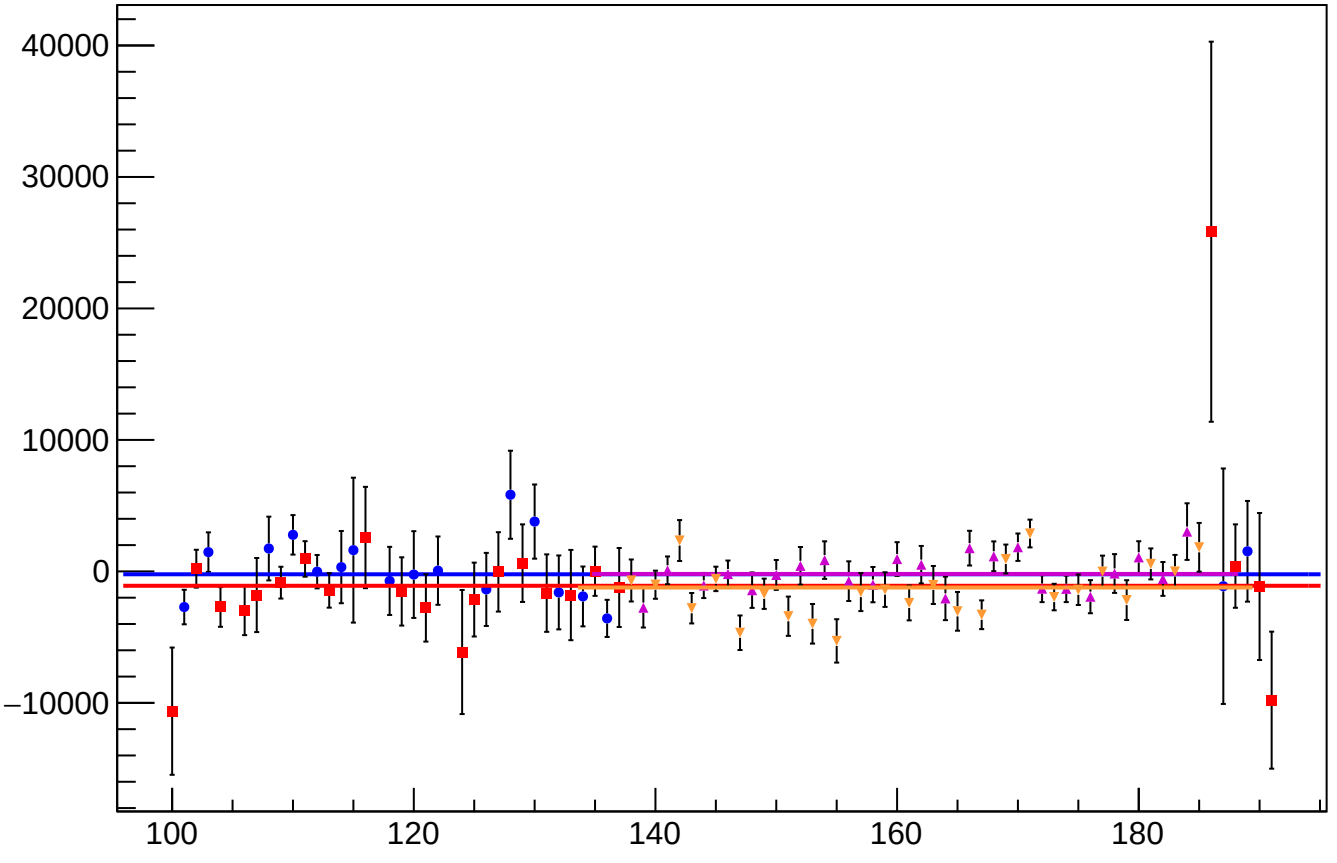
Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 141.702+/-0.019 χ^2/NDF: 1343639.4/42

All: 142.096+/-0.014 χ^2/NDF: 3439695.2/88

- sign 142.495+/-0.020 χ^2/NDF: 2095233.1/45

asym_sam_48_avg_cor_correction_mean vs Slug



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: -1093.822+/-460.631 χ^2/NDF: 19.3/22

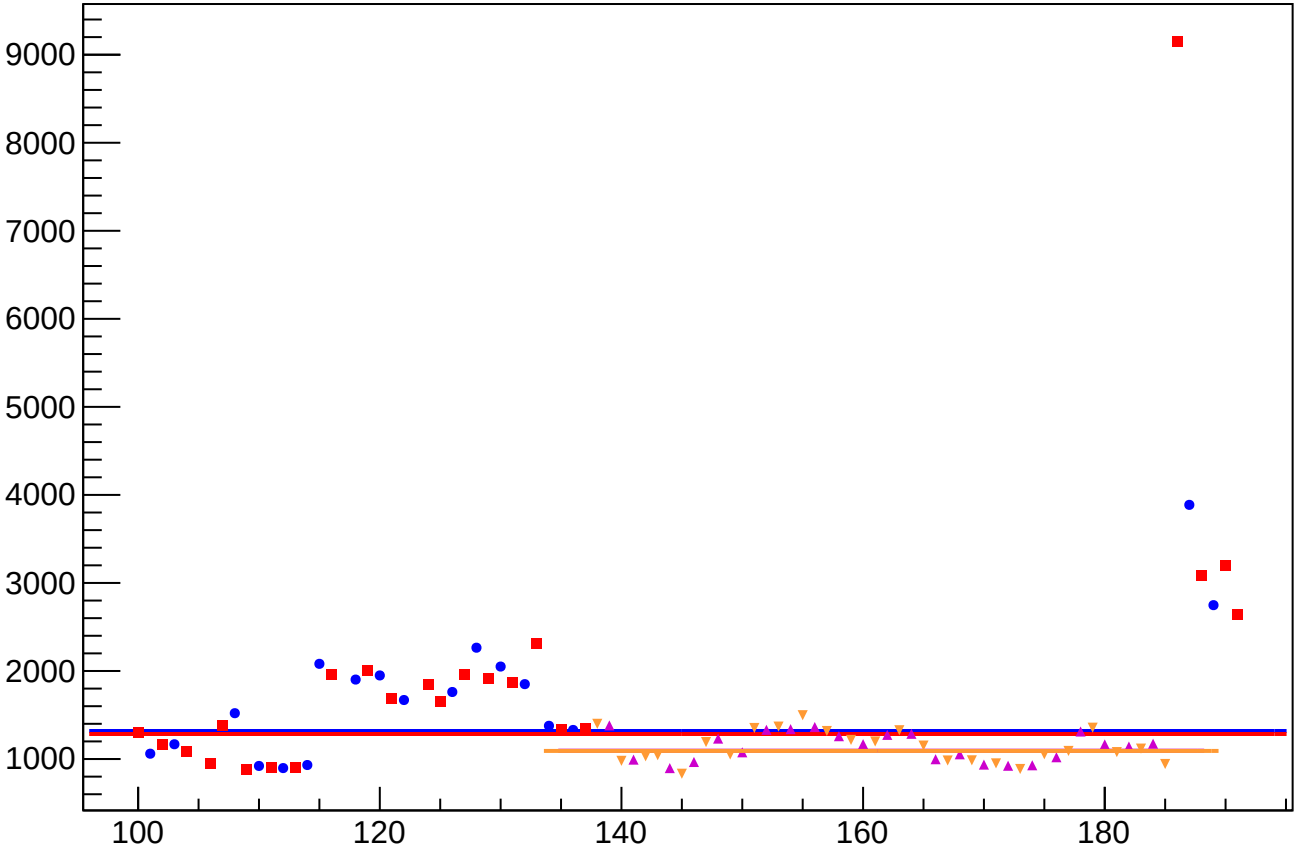
Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

+ sign -1019.258+/-224.539 χ^2/NDF: 84.4/42

All: -716.161+/-159.185 χ^2/NDF: 133.5/88

- sign -409.900+/-225.708 χ^2/NDF: 45.5/45

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: 1284.339+/-0.326 χ^2/NDF: 3050322.2/22

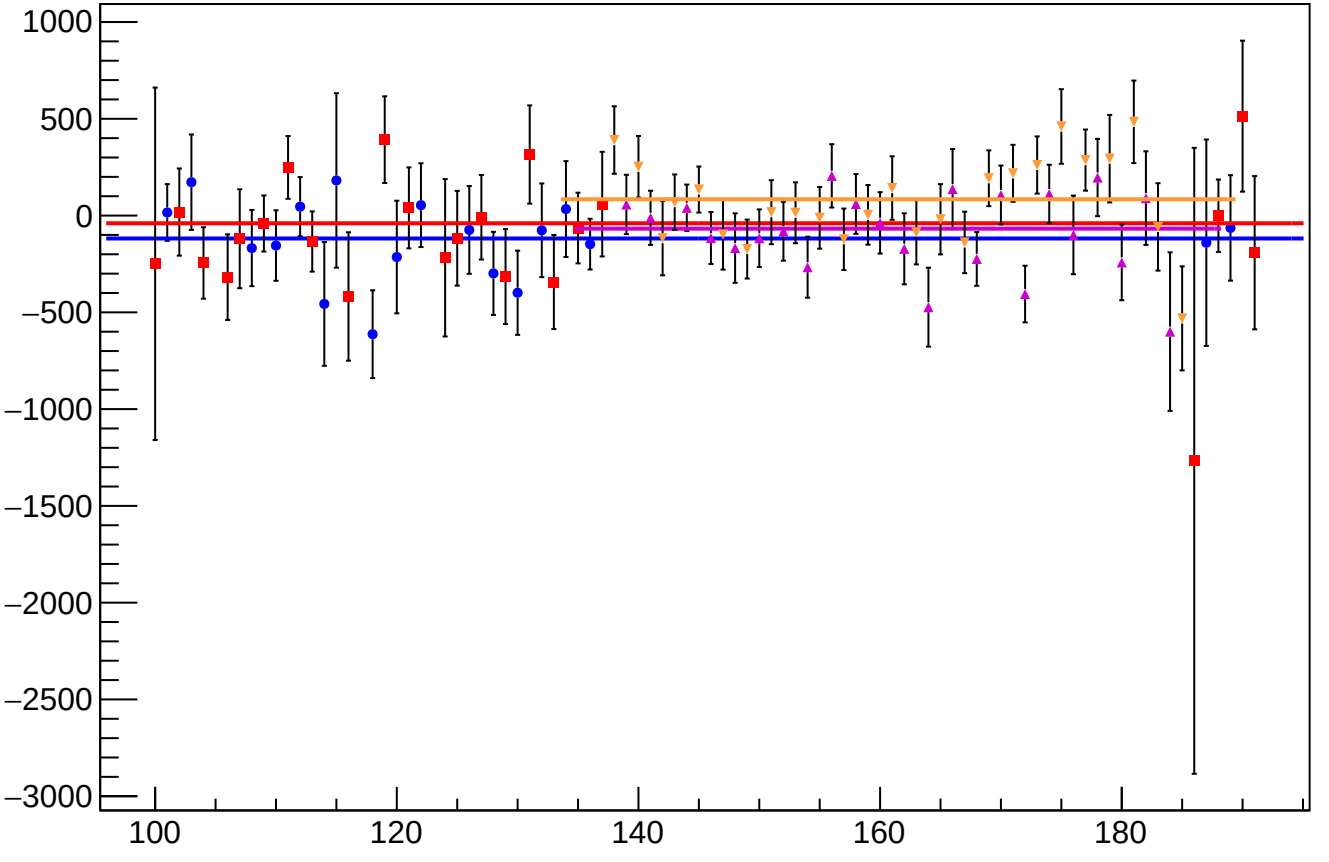
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1138.274+/-0.159 χ^2/NDF: 2845105.5/42

All: 1139.164+/-0.113 χ^2/NDF: 6886661.4/88

- sign 1140.064+/-0.160 χ^2/NDF: 4041492.8/45

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: -39.767+/-47.501 χ^2/NDF: 19.8/22

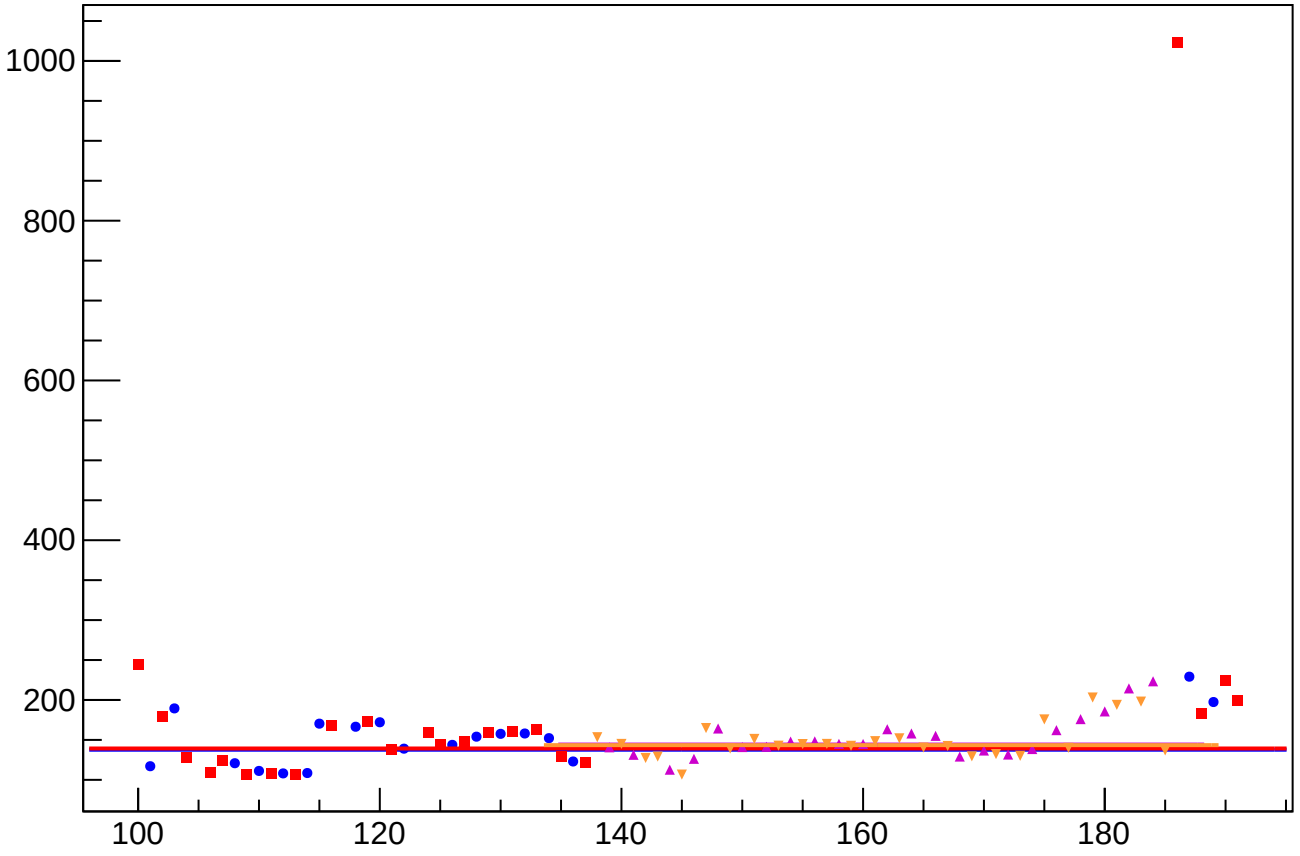
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 22.725+/-27.564 χ^2/NDF: 58.7/42

All: -17.484+/-19.546 χ^2/NDF: 109.5/88

- sign -58.152+/-27.721 χ^2/NDF: 46.5/45

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: 139.251+/-0.034 χ^2/NDF: 1378373.2/22

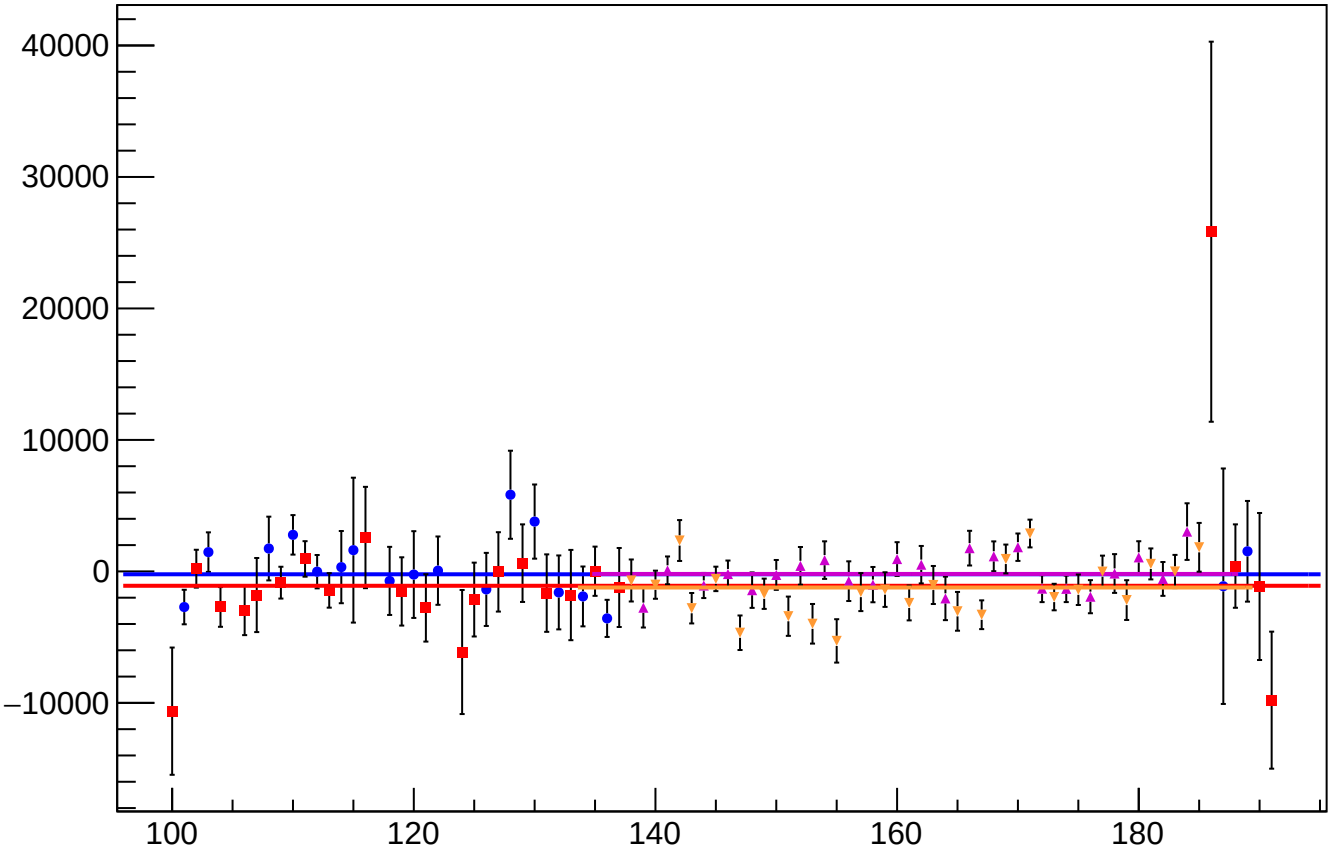
Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 141.702+/-0.019 χ^2/NDF: 1343639.4/42

All: 142.096+/-0.014 χ^2/NDF: 3439695.2/88

- sign 142.495+/-0.020 χ^2/NDF: 2095233.1/45

asym_sam_48_avg_eigen_cor_correction_mean vs Slug



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: -1093.822+/-460.631 χ^2/NDF: 19.3/22

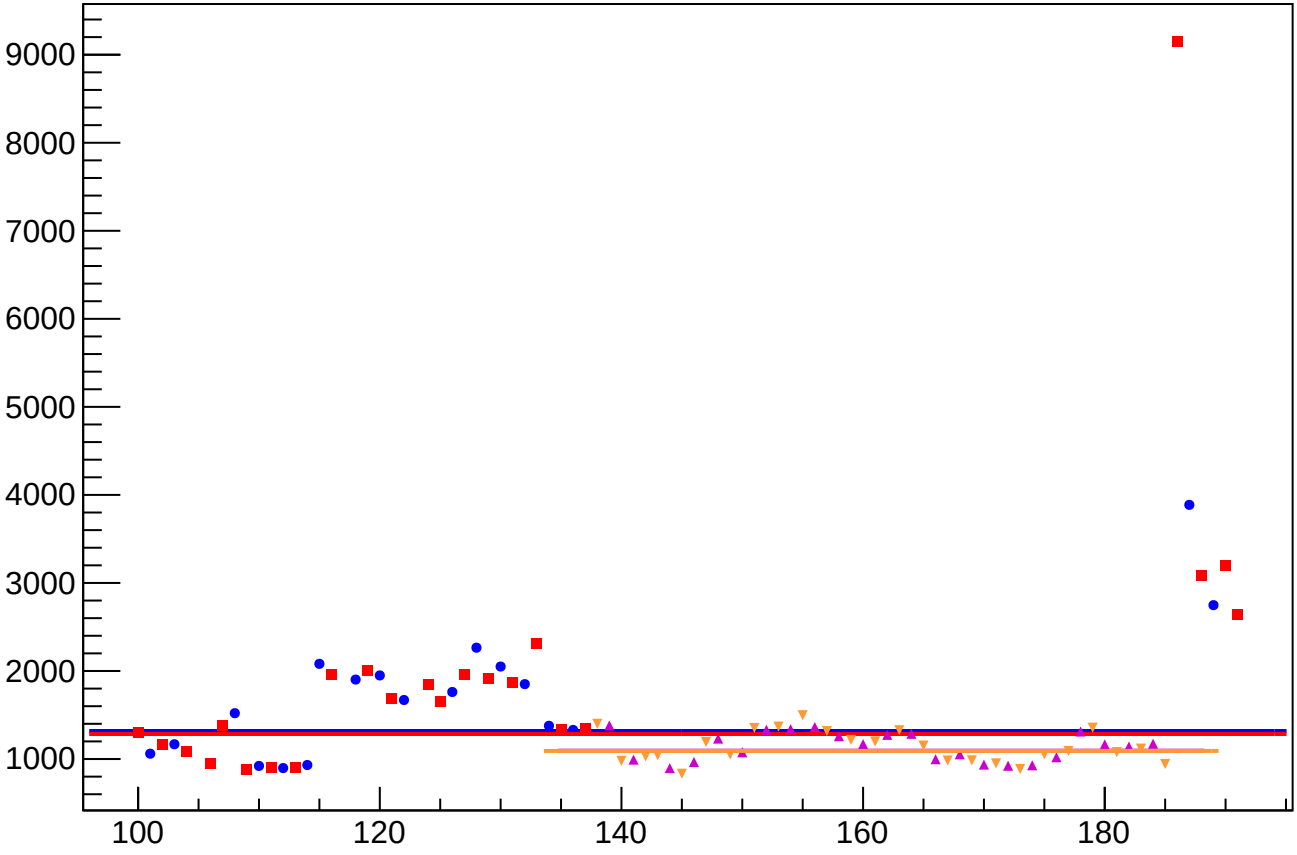
Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

+ sign -1019.258+/-224.539 χ^2/NDF: 84.4/42

All: -716.161+/-159.185 χ^2/NDF: 133.5/88

- sign -409.900+/-225.708 χ^2/NDF: 45.5/45

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: 1284.339+/-0.326 χ^2/NDF: 3050322.2/22

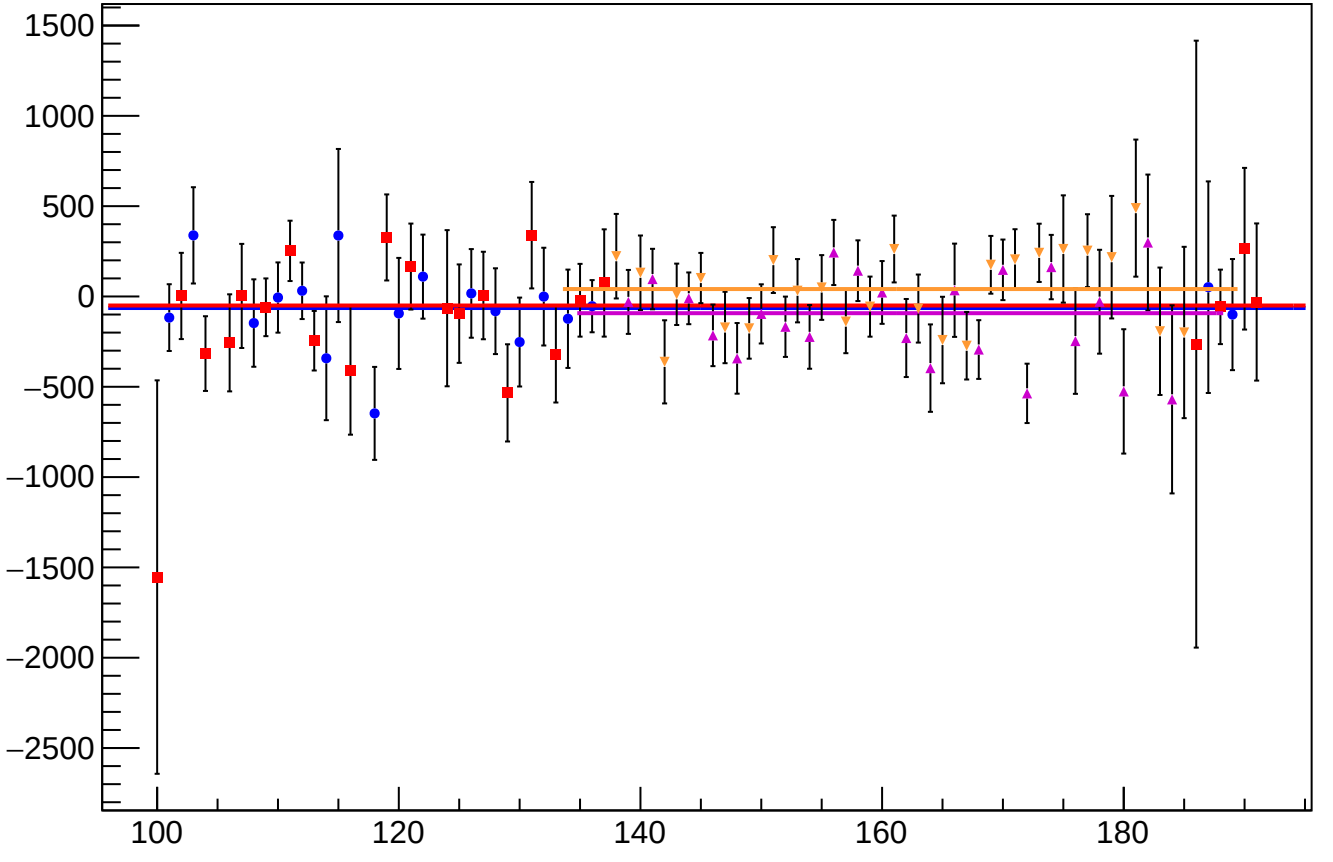
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1138.274+/-0.159 χ^2/NDF: 2845105.5/42

All: 1139.164+/-0.113 χ^2/NDF: 6886661.4/88

- sign 1140.064+/-0.160 χ^2/NDF: 4041492.8/45

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: -50.051+/-52.139 χ^2/NDF: 20.0/22

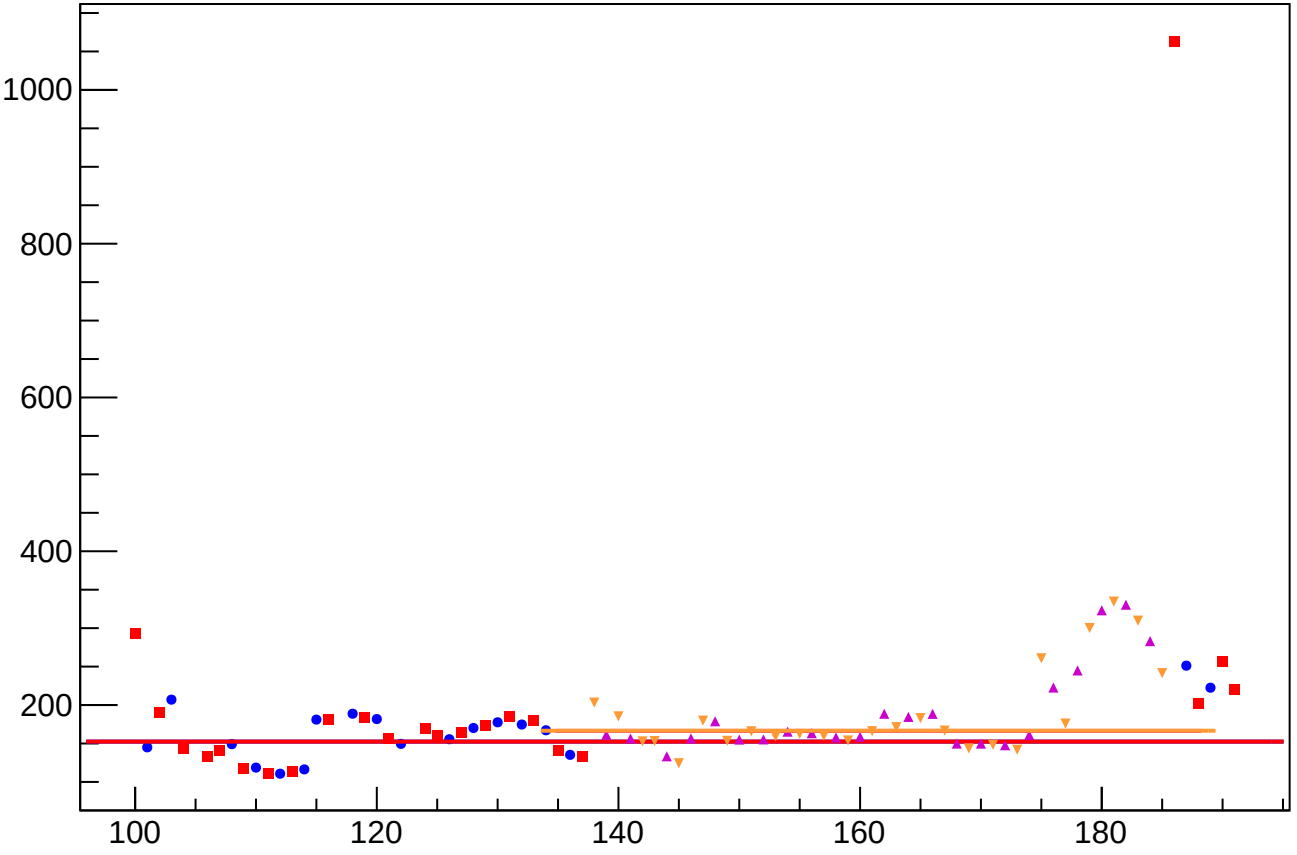
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign 6.193+/-32.014 χ^2/NDF: 35.6/42

All: -35.520+/-22.568 χ^2/NDF: 88.9/88

- sign -76.726+/-31.819 χ^2/NDF: 49.9/45

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: 152.438+/-0.037 χ^2/NDF: 1414312.3/22

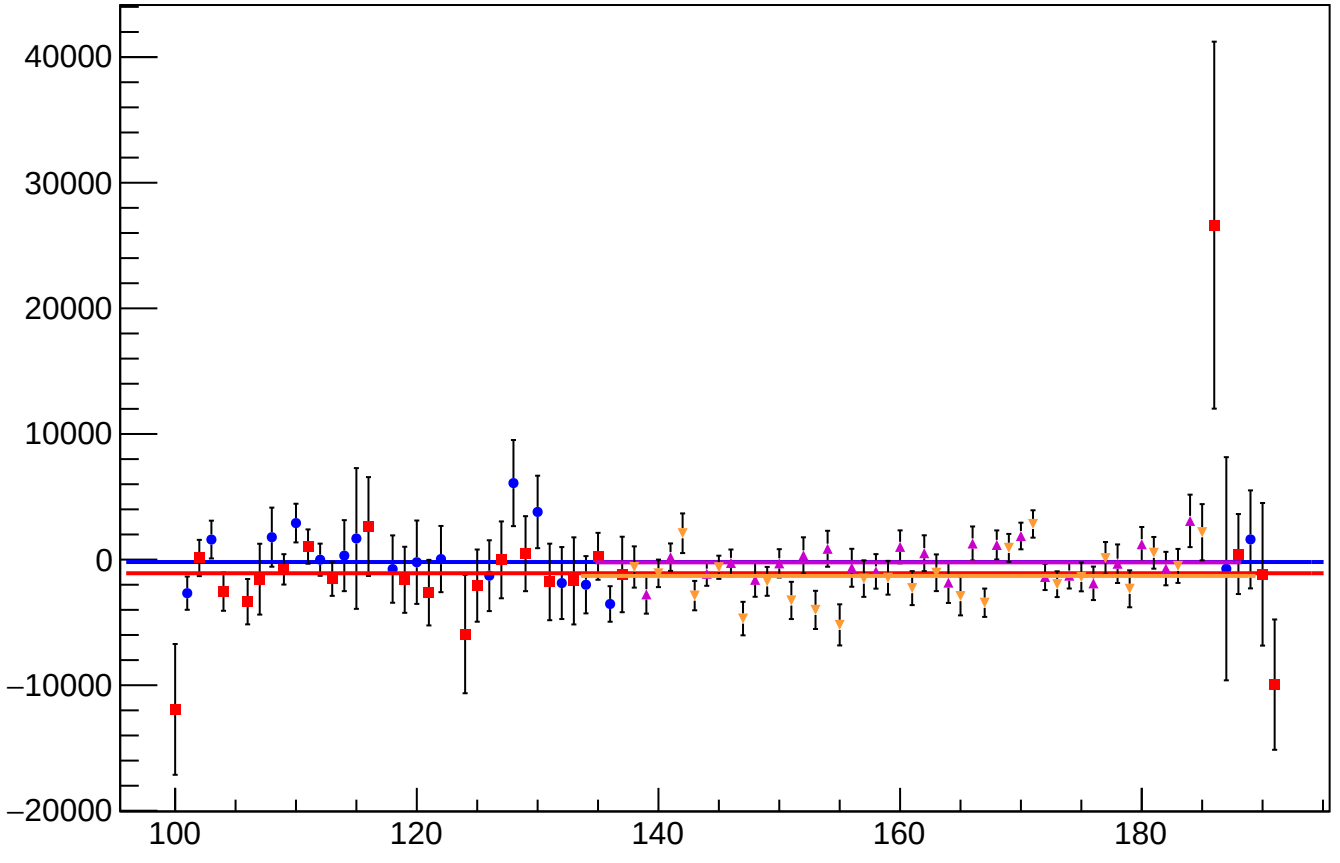
Left In: 166.308+/-0.028 χ^2/NDF:1392466.3/22

+ sign 161.895+/-0.023 χ^2/NDF: 2425232.9/42

All: 161.517+/-0.016 χ^2/NDF: 5321388.3/88

- sign 161.143+/-0.022 χ^2/NDF: 2895599.0/45

asym_sam_48_avg_dit_correction_mean vs Slug



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: -1085.920+/-464.005 χ^2/NDF: 20.4/22

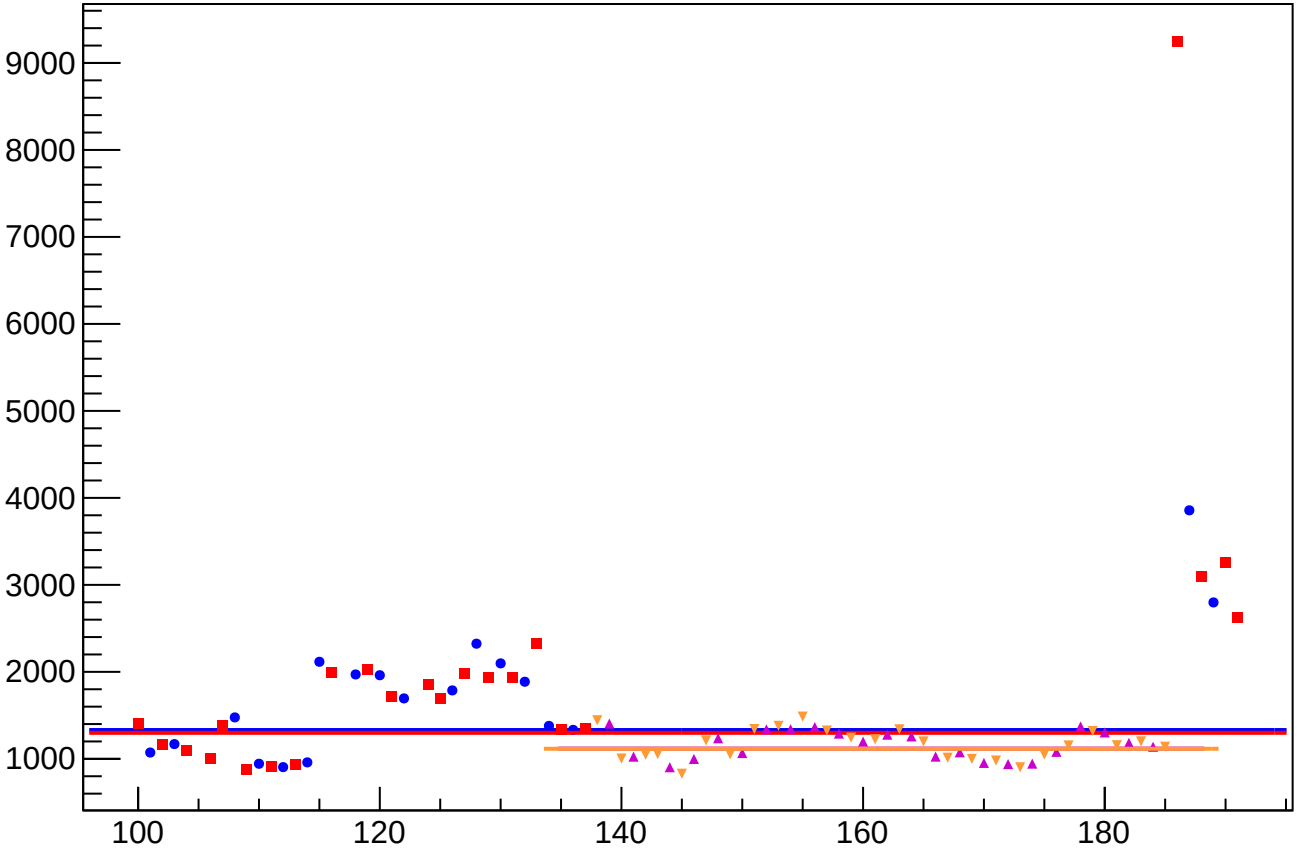
Left In: -217.285+/-264.388 χ^2/NDF:22.2/22

+ sign -1068.187+/-228.660 χ^2/NDF: 81.0/42

All: -750.652+/-162.059 χ^2/NDF: 130.2/88

- sign -430.181+/-229.715 χ^2/NDF: 45.3/45

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: 1299.239+/-0.328 χ^2/NDF: 3048083.2/22

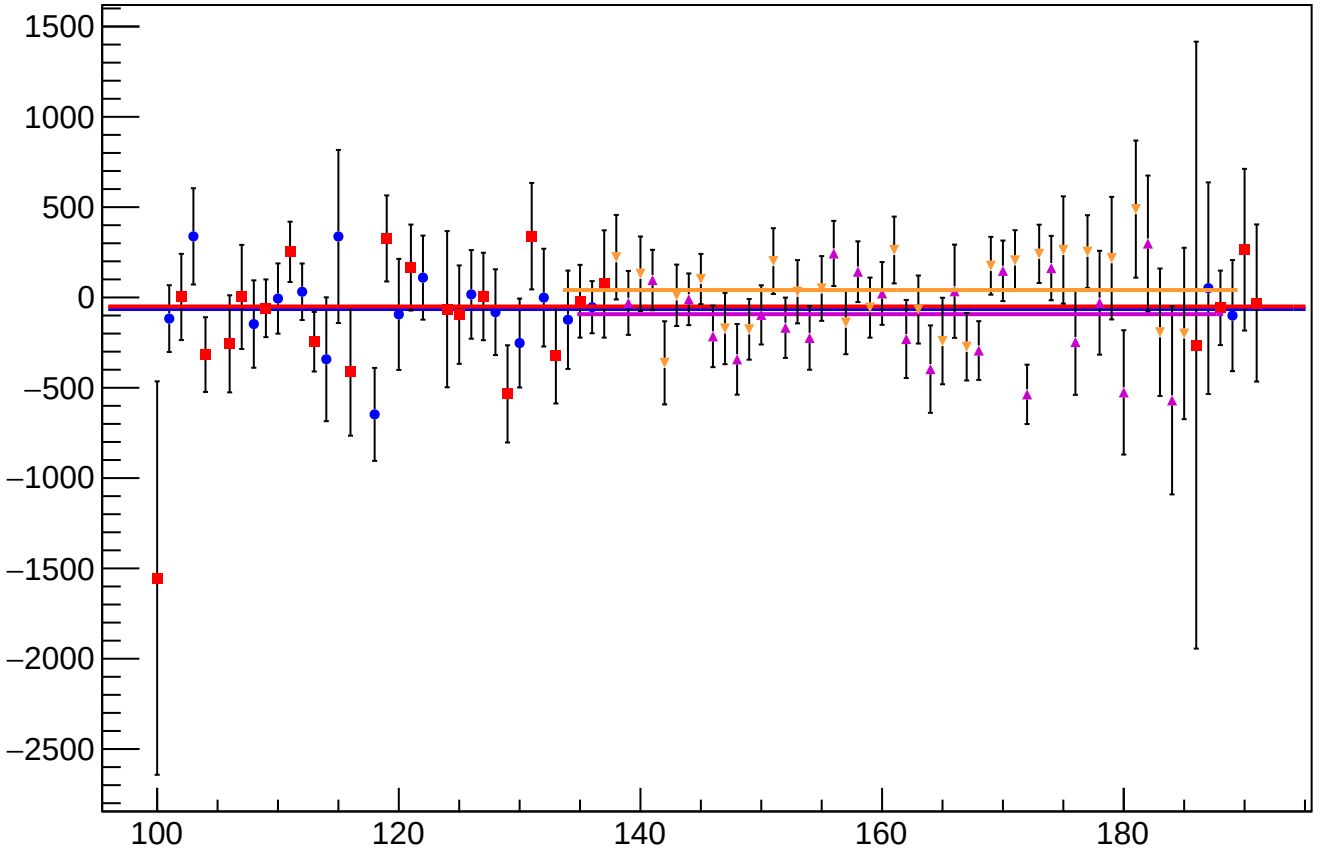
Left In: 1117.831+/-0.187 χ^2/NDF:729387.1/22

+ sign 1160.819+/-0.162 χ^2/NDF: 2794454.5/42

All: 1161.552+/-0.115 χ^2/NDF: 6802740.9/88

- sign 1162.293+/-0.162 χ^2/NDF: 4008245.0/45

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: -50.051+/-52.139 χ^2/NDF: 20.0/22

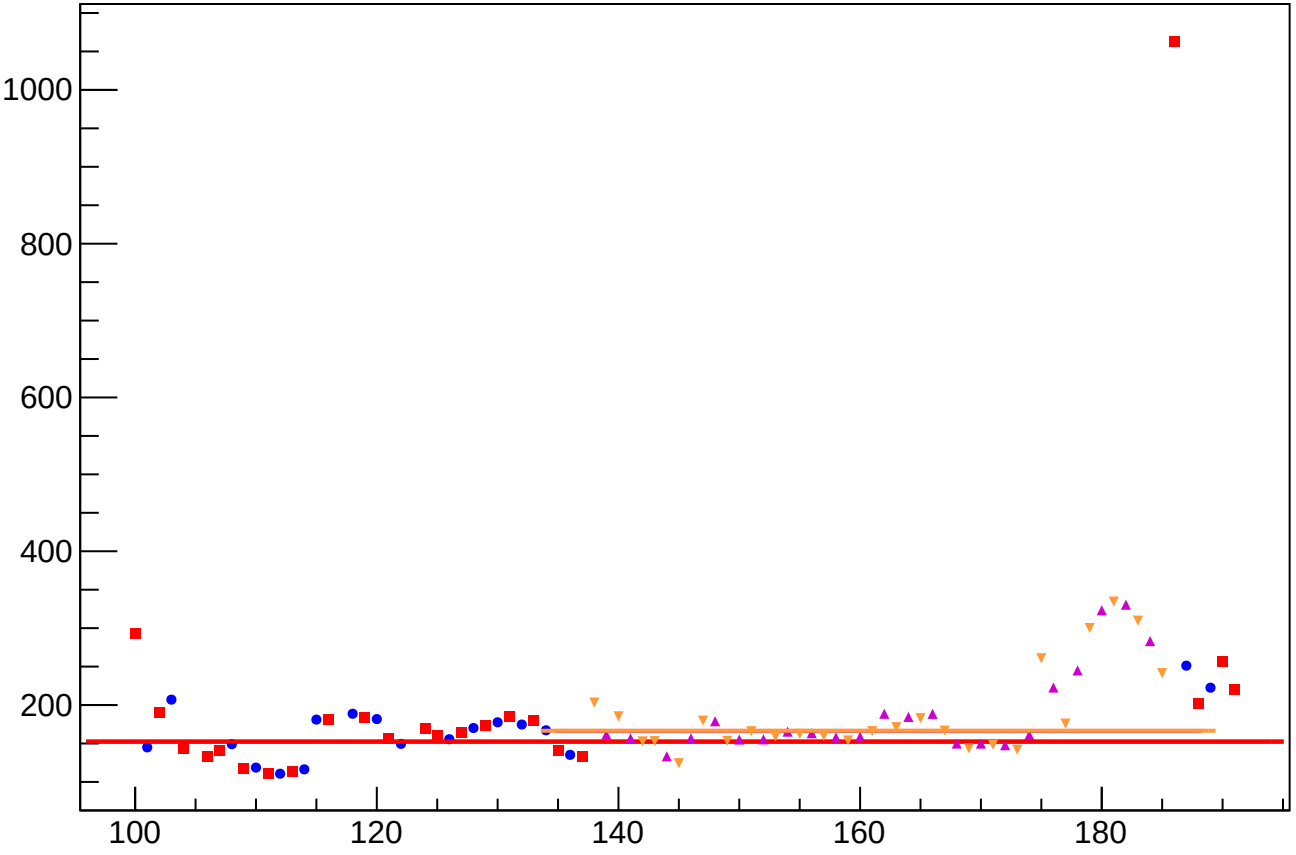
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign 6.195+/-32.014 χ^2/NDF: 35.6/42

All: -35.519+/-22.568 χ^2/NDF: 88.9/88

- sign -76.726+/-31.819 χ^2/NDF: 49.9/45

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

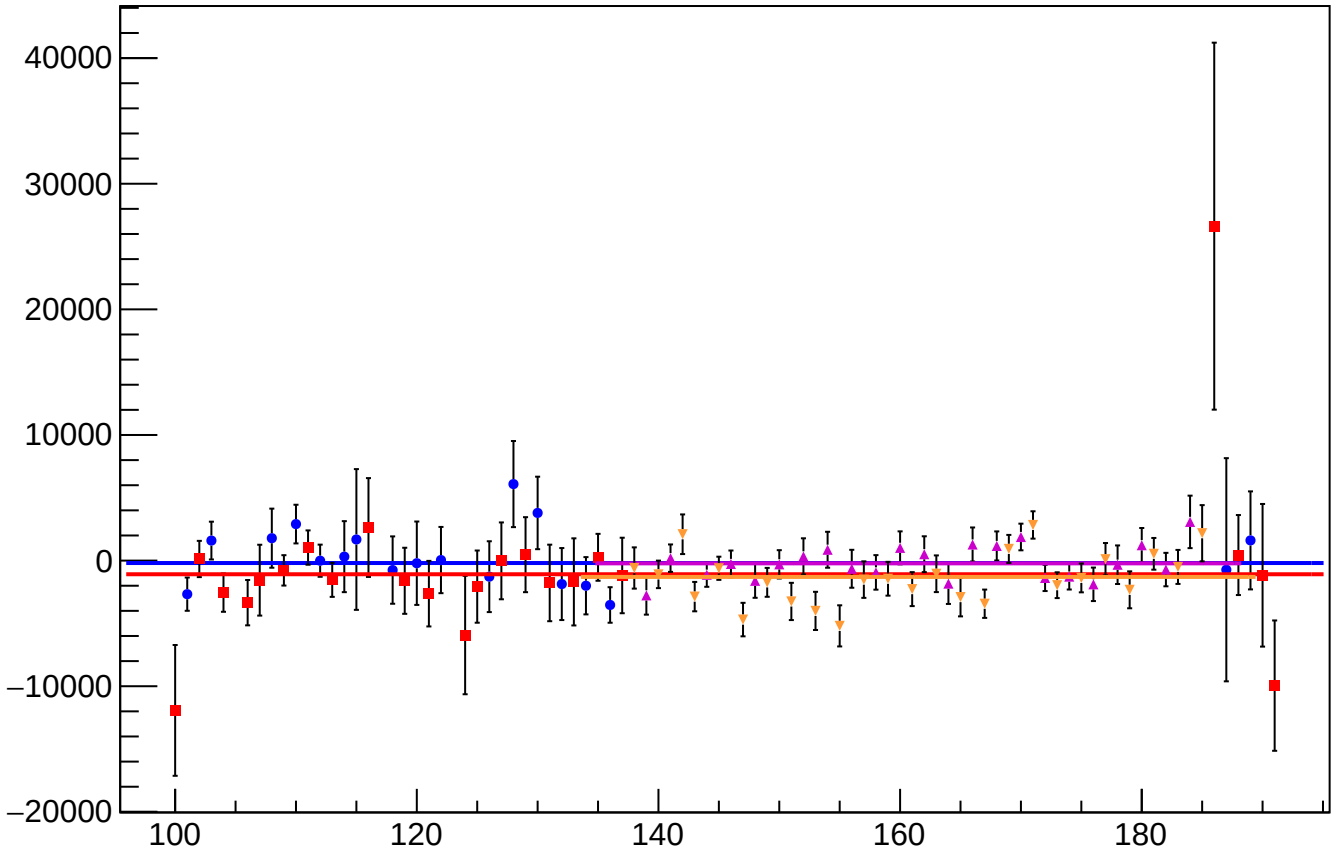
Right Out: 152.438+/-0.037 χ^2/NDF: 1414315.8/22

Left In: 166.308+/-0.028 χ^2/NDF:1392446.1/22

+ sign 161.896+/-0.023 χ^2/NDF: 2425229.3/42

All: 161.517+/-0.016 χ^2/NDF: 5321371.6/88

- sign 161.143+/-0.022 χ^2/NDF: 2895585.9/45



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: -1085.918+/-464.005 χ^2/NDF: 20.4/22

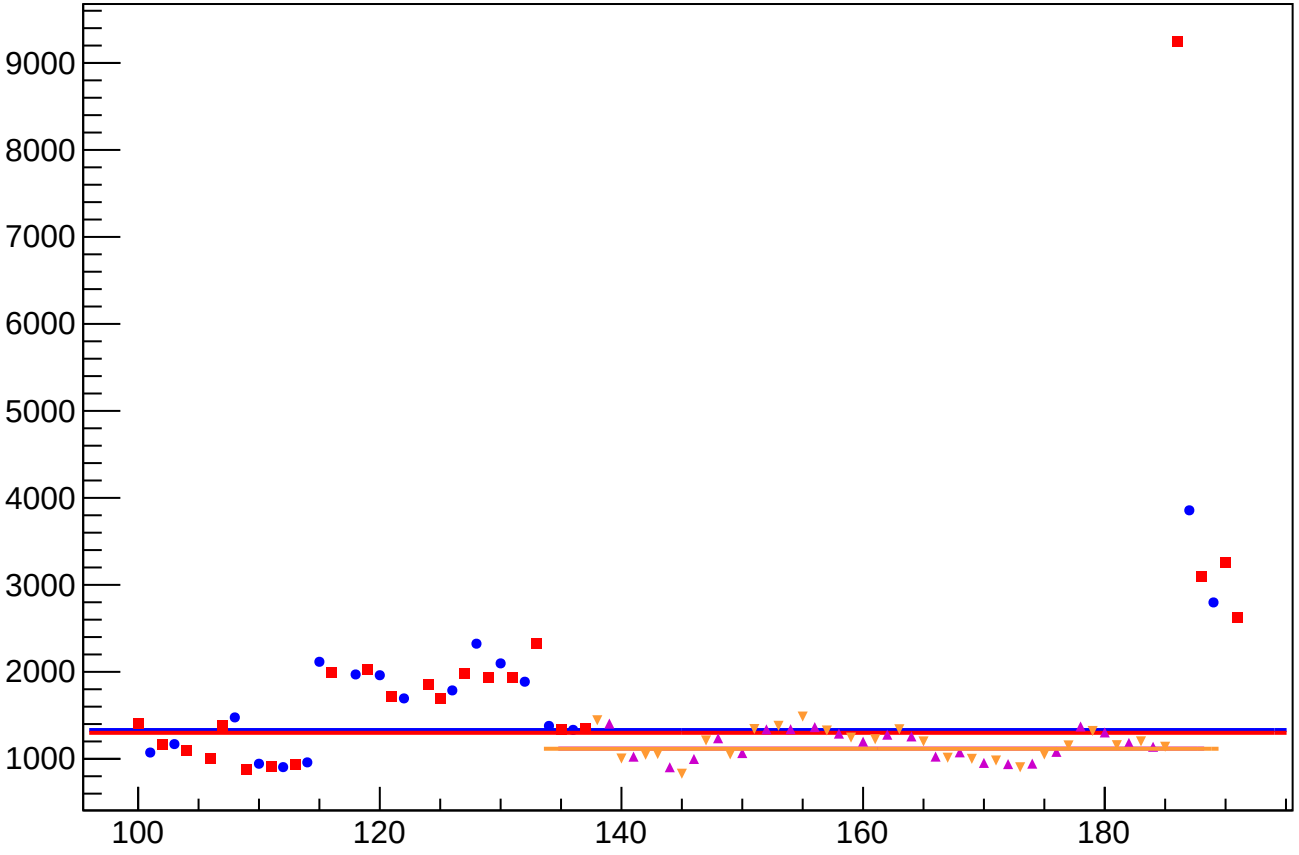
Left In: -217.283+/-264.388 χ^2/NDF:22.2/22

\+ sign -1068.185+/-228.660 χ^2/NDF: 81.0/42

All: -750.650+/-162.058 χ^2/NDF: 130.2/88

\- sign -430.180+/-229.714 χ^2/NDF: 45.3/45

asym_sam_48_avg_eigen_dit_correction_rms vs Slug



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: 1299.237+/-0.328 χ^2/NDF: 3048084.6/22

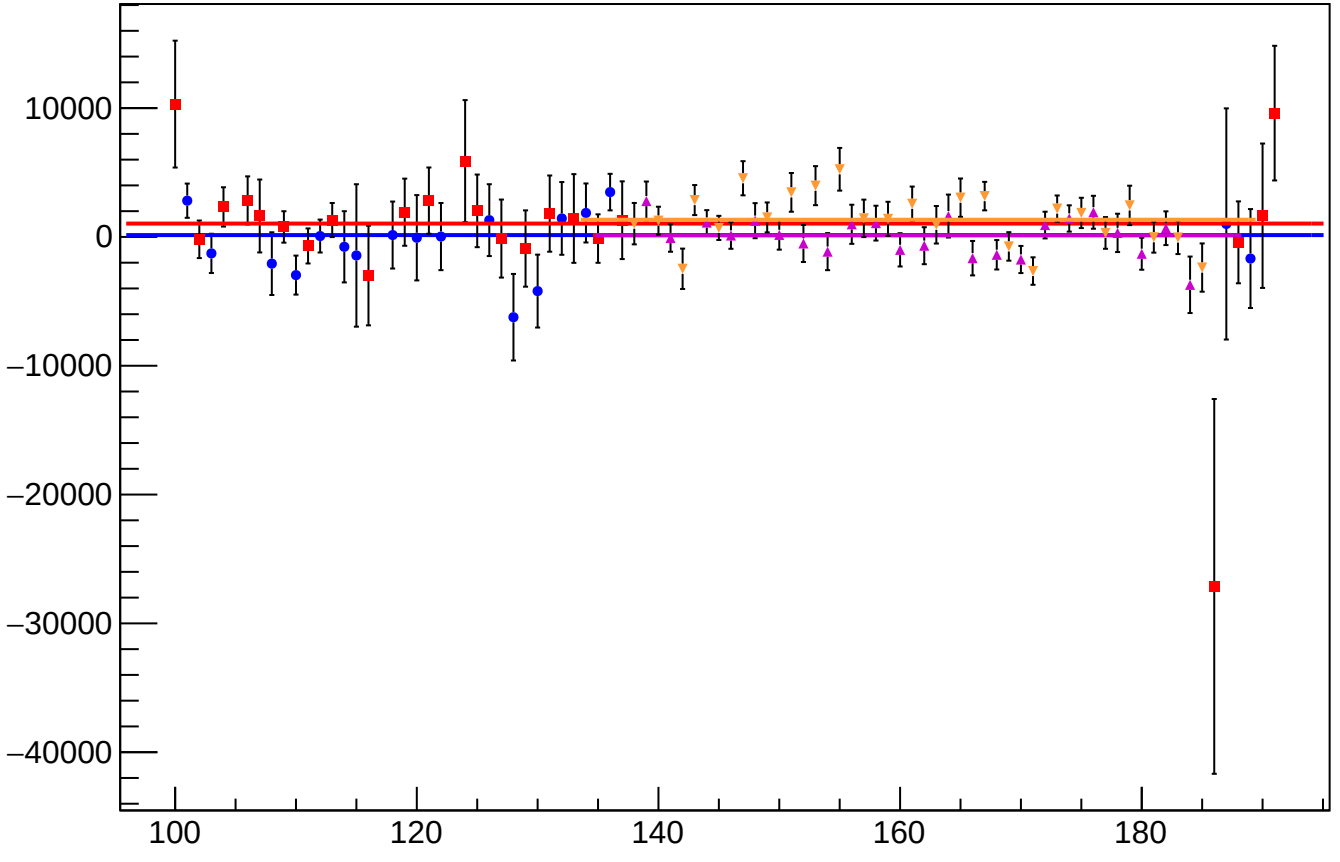
Left In: 1117.829+/-0.187 χ^2/NDF:729386.0/22

+ sign 1160.817+/-0.162 χ^2/NDF: 2794462.0/42

All: 1161.551+/-0.115 χ^2/NDF: 6802750.6/88

- sign 1162.291+/-0.162 χ^2/NDF: 4008247.2/45

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: 1036.183+/-463.210 χ^2/NDF: 18.2/22

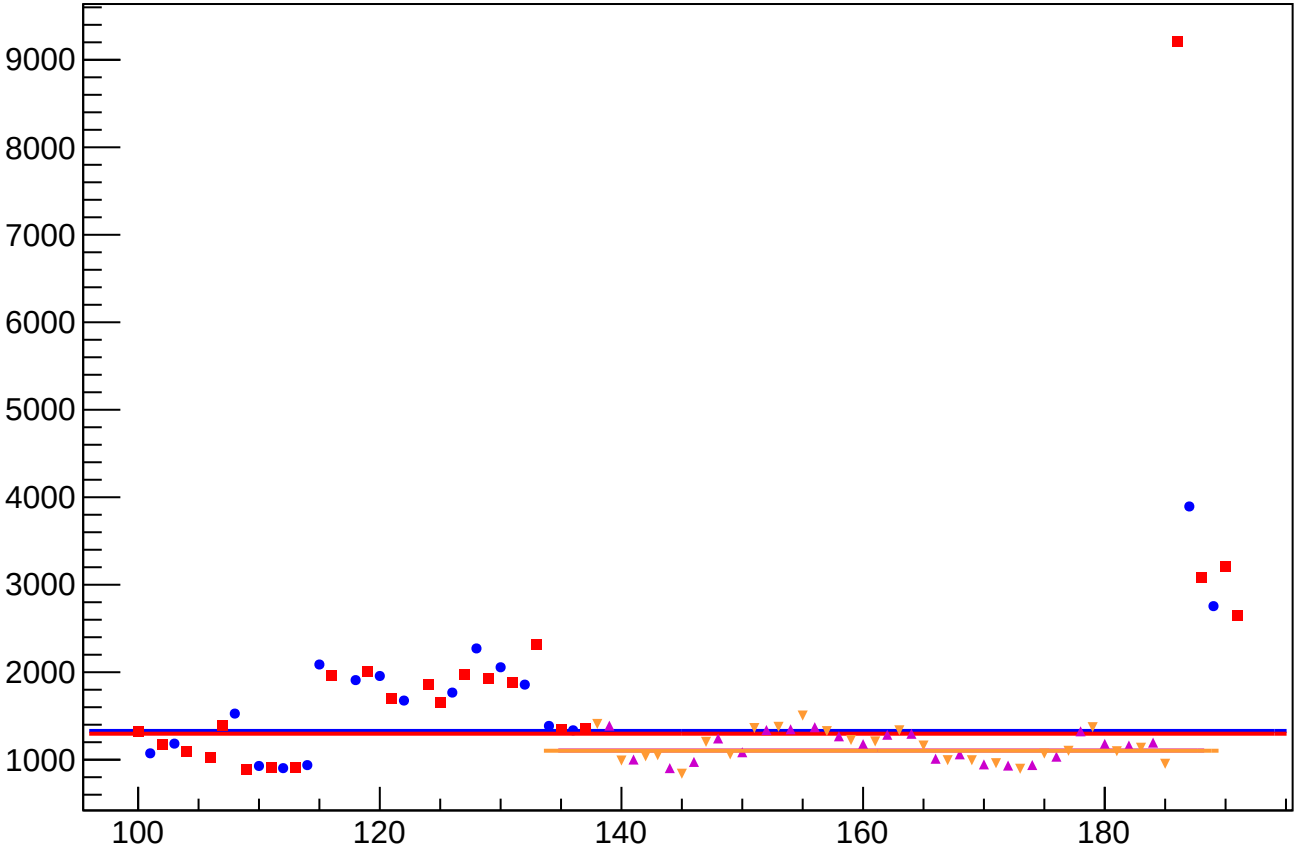
Left In: 128.368+/-261.415 χ^2/NDF:24.0/22

+ sign 1089.849+/-226.592 χ^2/NDF: 83.0/42

All: 720.505+/-160.602 χ^2/NDF: 133.5/88

- sign 347.661+/-227.662 χ^2/NDF: 45.1/45

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

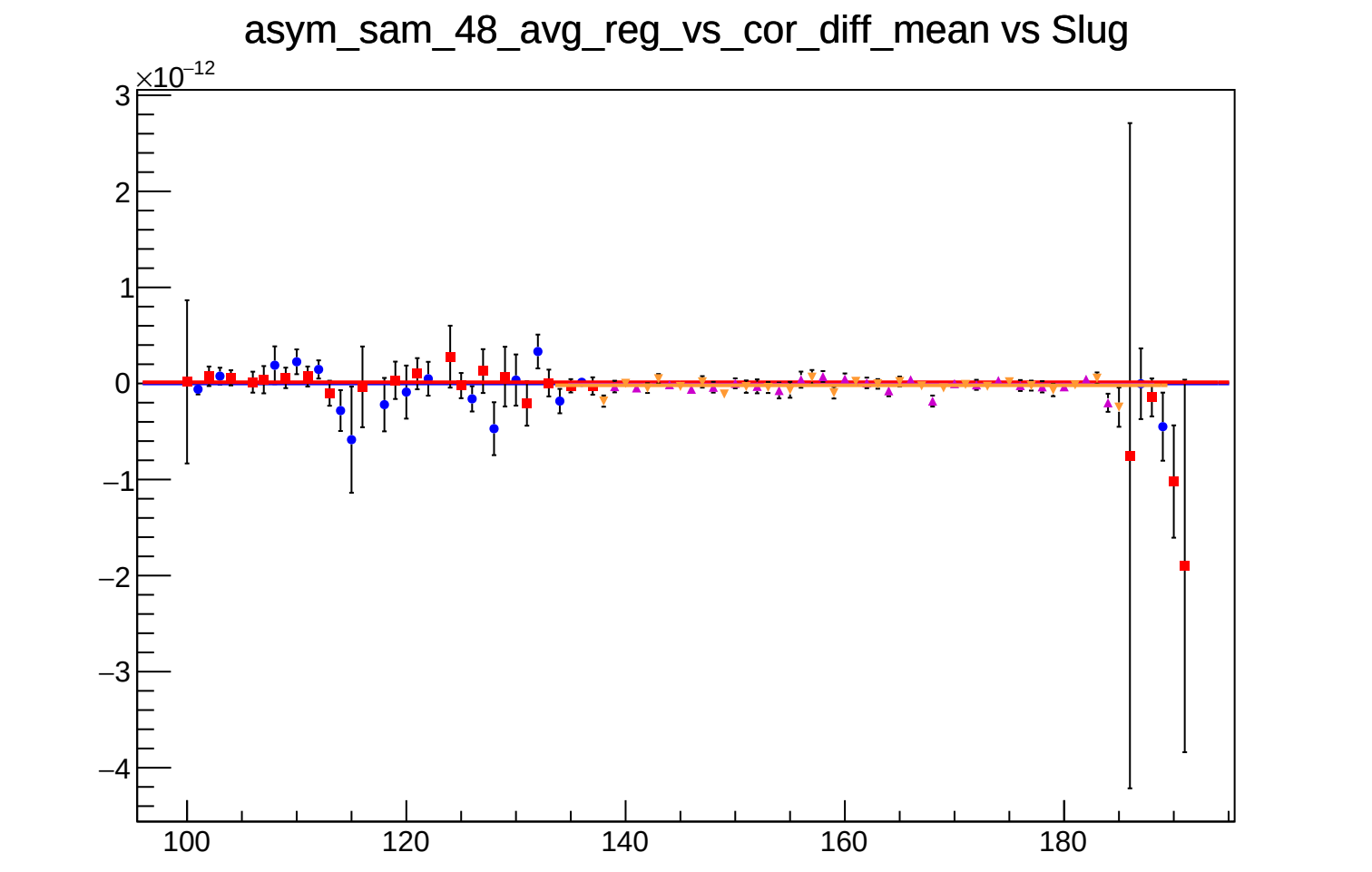
Right Out: 1297.195+/-0.328 χ^2/NDF: 3008807.6/22

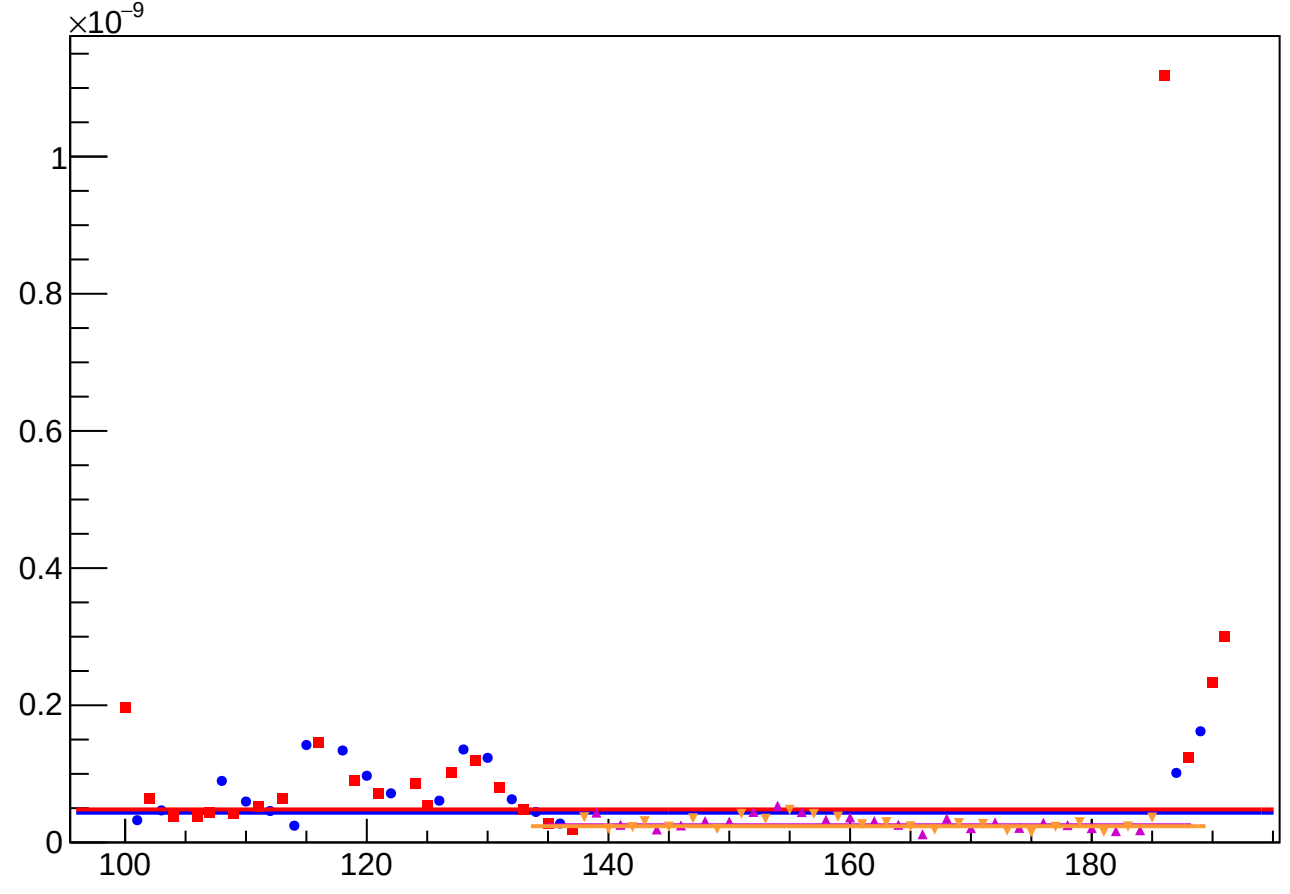
Left In: 1105.200+/-0.185 χ^2/NDF:723304.5/22

+ sign 1149.130+/-0.160 χ^2/NDF: 2807718.8/42

All: 1150.348+/-0.114 χ^2/NDF: 6800549.3/88

- sign 1151.578+/-0.161 χ^2/NDF: 3992714.3/45


asym_sam_48_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
0
−1
−2
−3
−4
100
120
140
160
180
Right In: -0.000+/-0.000 χ²/NDF: 23.8/17
Left Out: -0.000+/-0.000 χ²/NDF:26.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 9.6/22
Left In: -0.000+/-0.000 χ²/NDF:27.1/22
+ sign -0.000+/-0.000 χ²/NDF: 50.7/42
All: -0.000+/-0.000 χ²/NDF: 88.4/88
- sign -0.000+/-0.000 χ²/NDF: 37.3/45



Right In: 0.000+/-0.000 χ^2/NDF: 1618105.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:1433511.8/24

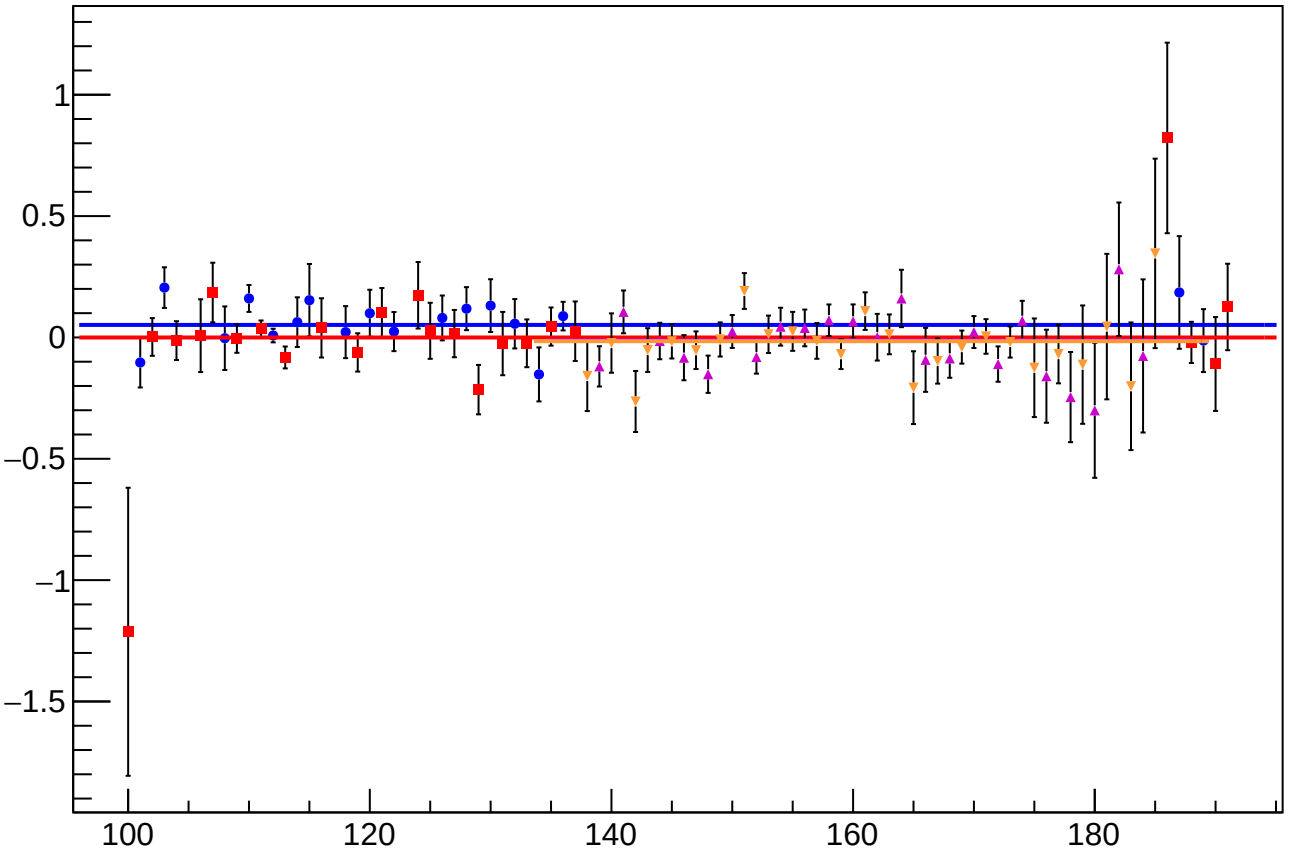
Right Out: 0.000+/-0.000 χ^2/NDF: 1844445.7/22

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: 8623467.9/88

- sign 0.000+/-0.000 χ^2/NDF: 4554450.9/45



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: -0.000+/-0.017 χ^2/NDF: 24.5/22

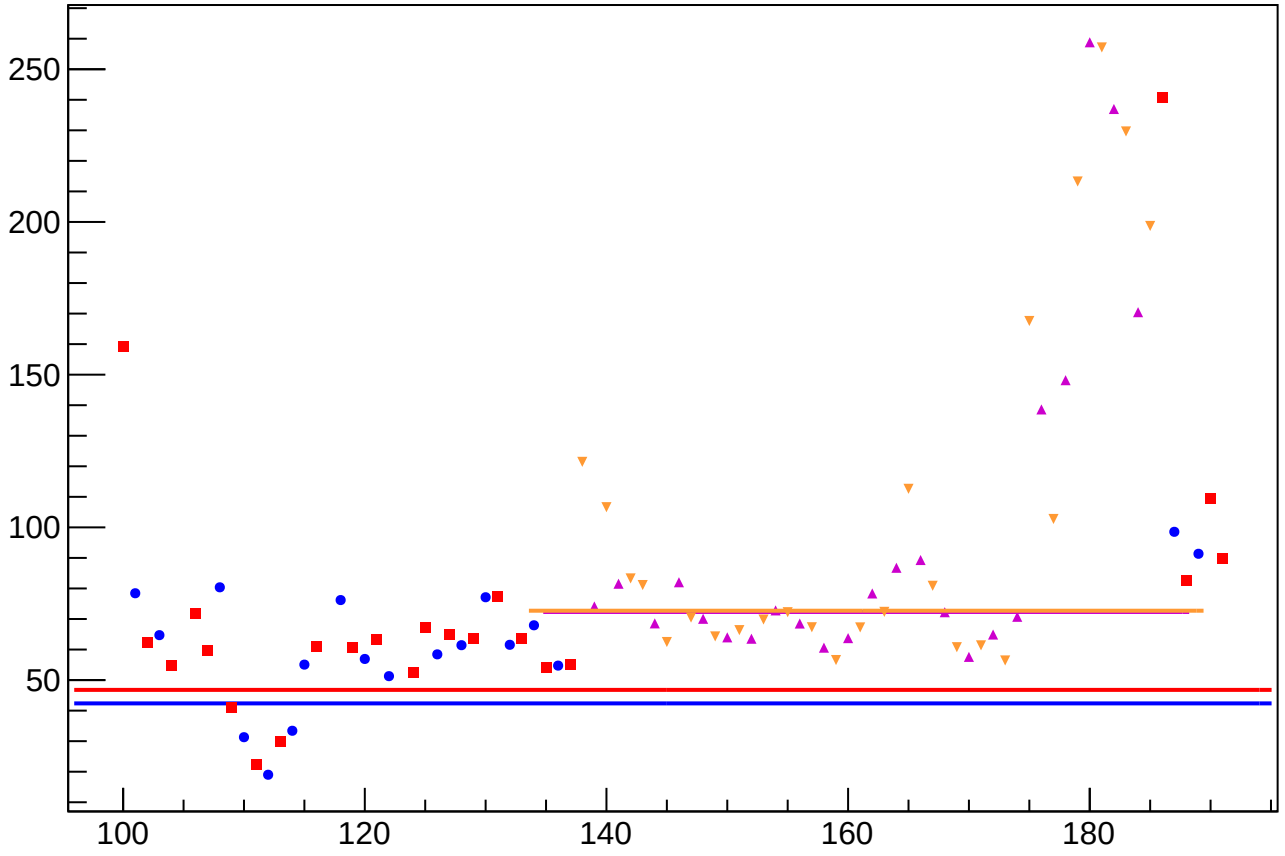
Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.019+/-0.013 χ^2/NDF: 47.3/42

All: 0.007+/-0.009 χ^2/NDF: 97.2/88

- sign -0.006+/-0.013 χ^2/NDF: 48.0/45

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

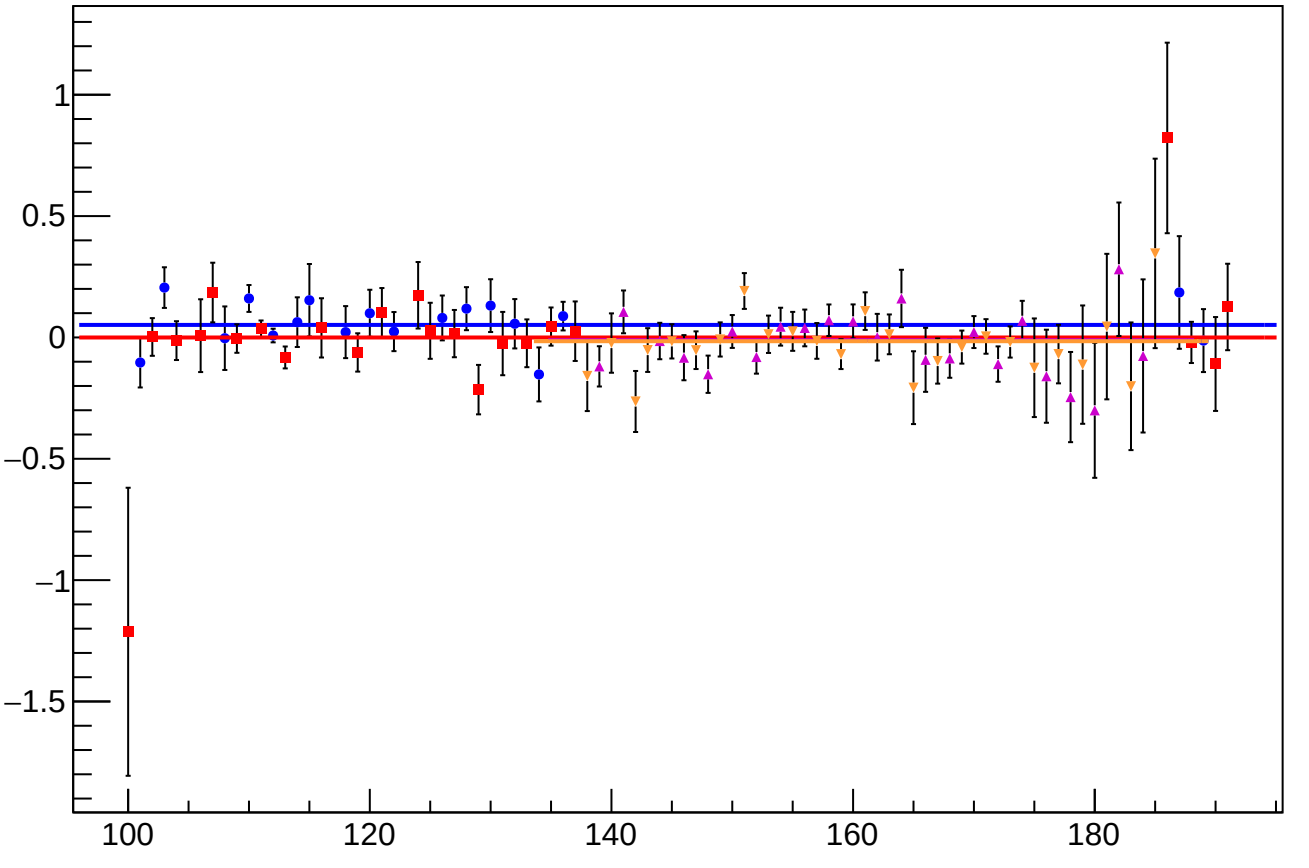
Right Out: 46.791+/-0.012 χ^2/NDF: 3275510.6/22

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

\+ sign 57.197+/-0.009 χ^2/NDF: 10218242.8/42

All: 58.052+/-0.006 χ^2/NDF: 18351933.0/88

\- sign 58.910+/-0.009 χ^2/NDF: 8115108.6/45



Right In: 0.052+/-0.018 χ^2/NDF: 18.6/17

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

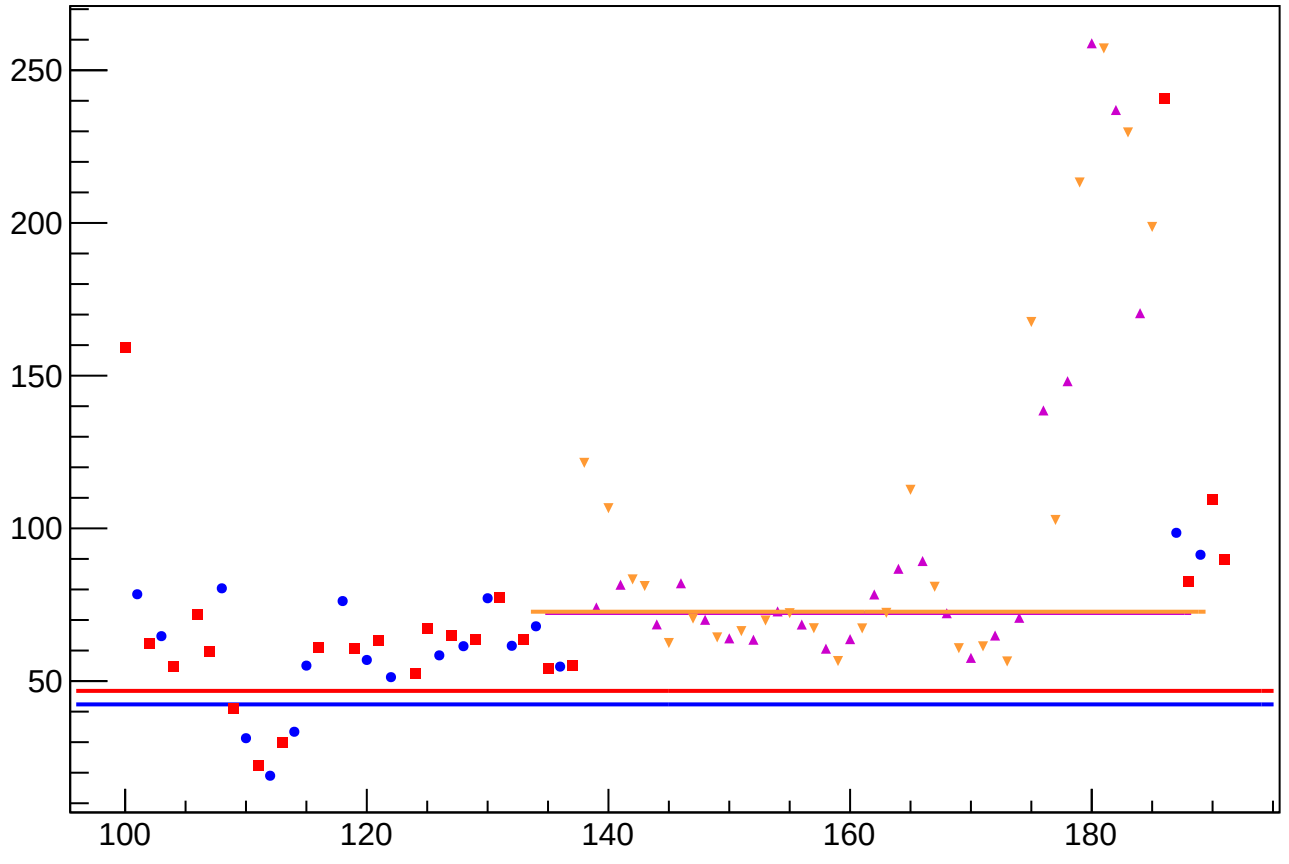
Right Out: -0.000+/-0.017 χ^2/NDF: 24.5/22

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: 97.2/88

- sign -0.006+/-0.013 χ^2/NDF: 48.0/45



Right In: 42.369+/-0.012 χ^2/NDF: 3337671.1/17

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

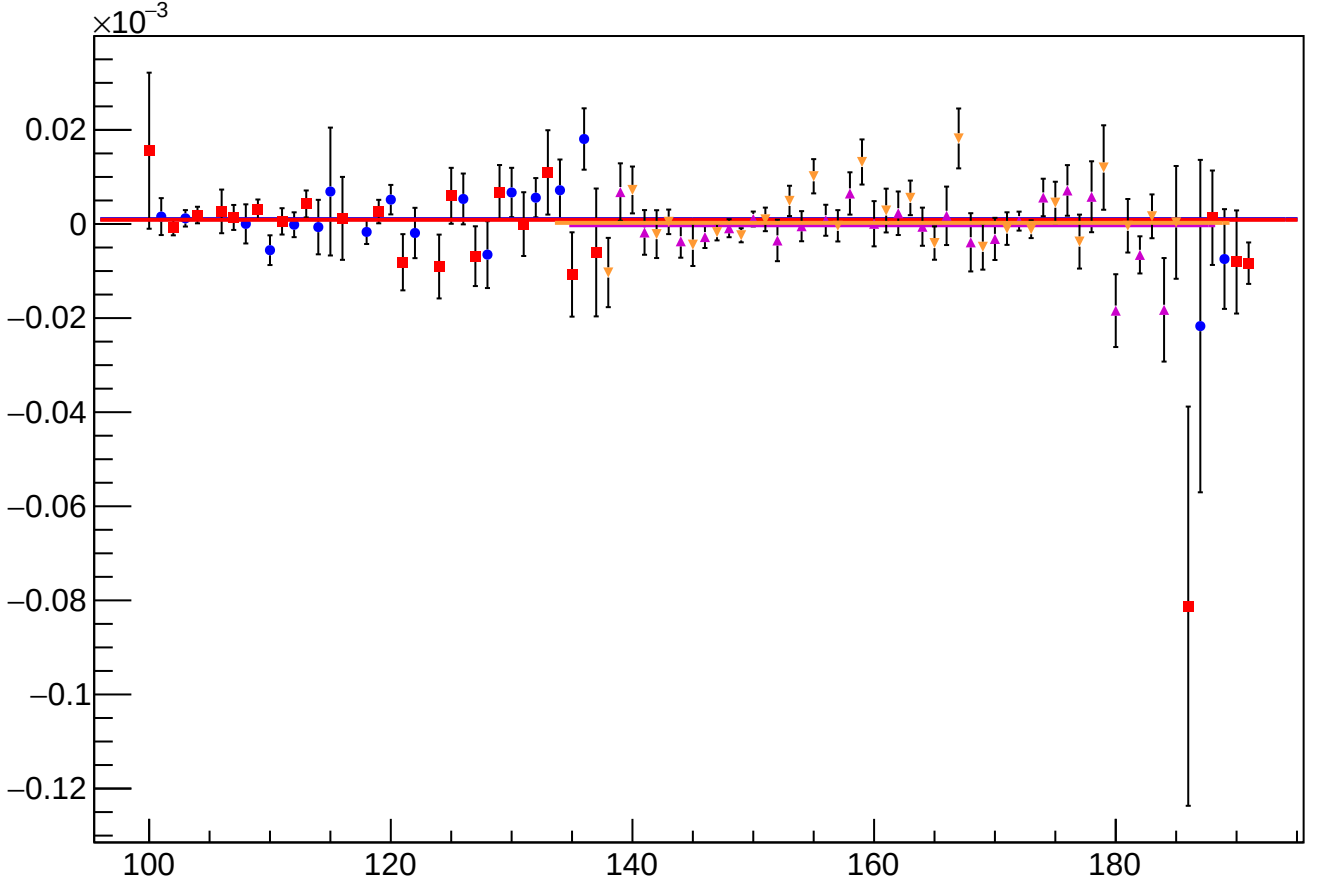
Right Out: 46.791+/-0.012 χ^2/NDF: 3275510.6/22

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

+ sign 57.197+/-0.009 χ^2/NDF: 10218242.8/42

All: 58.052+/-0.006 χ^2/NDF: 18351933.0/88

- sign 58.910+/-0.009 χ^2/NDF: 8115108.6/45



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

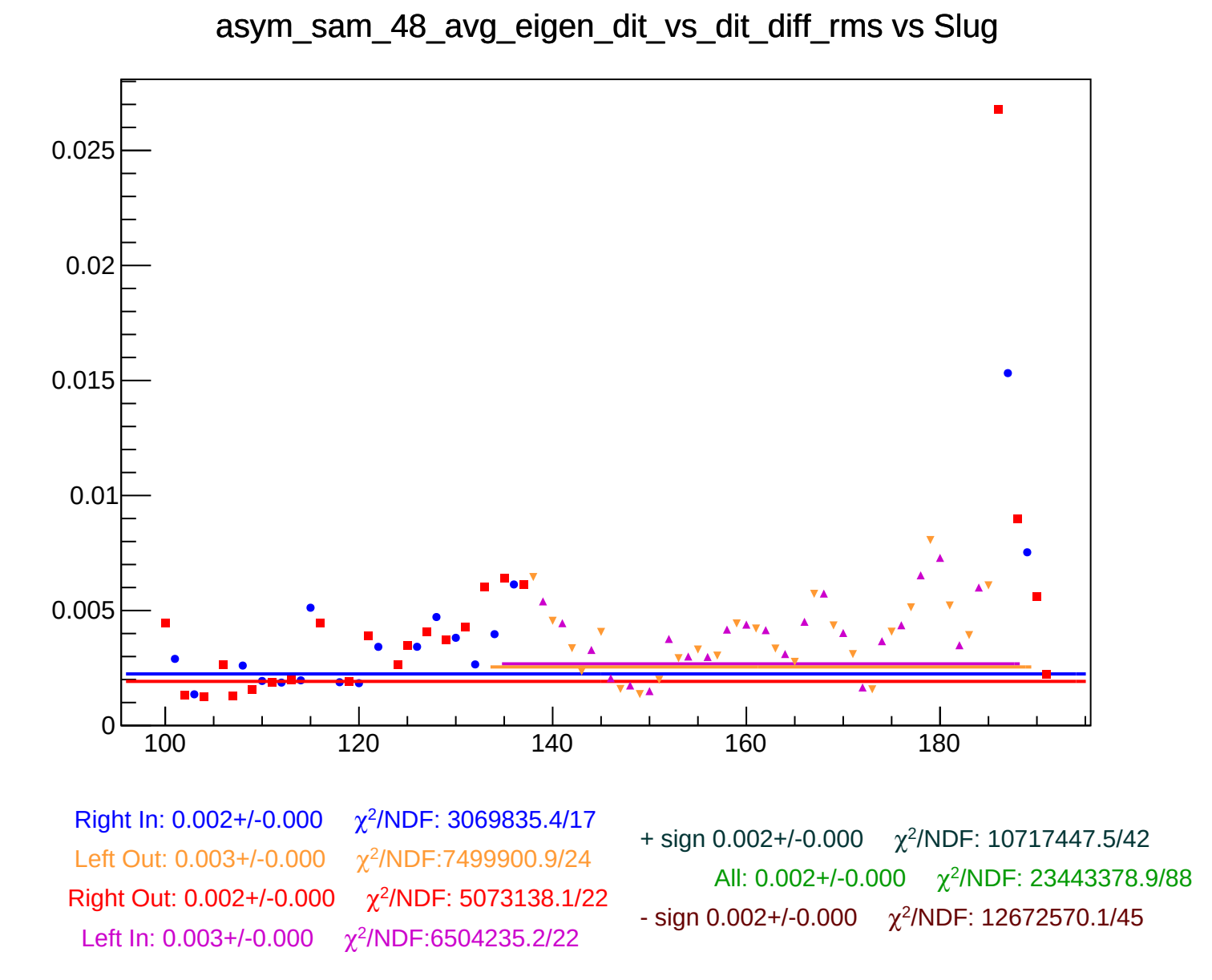
Right Out: 0.000+/-0.000 χ^2/NDF: 24.9/22

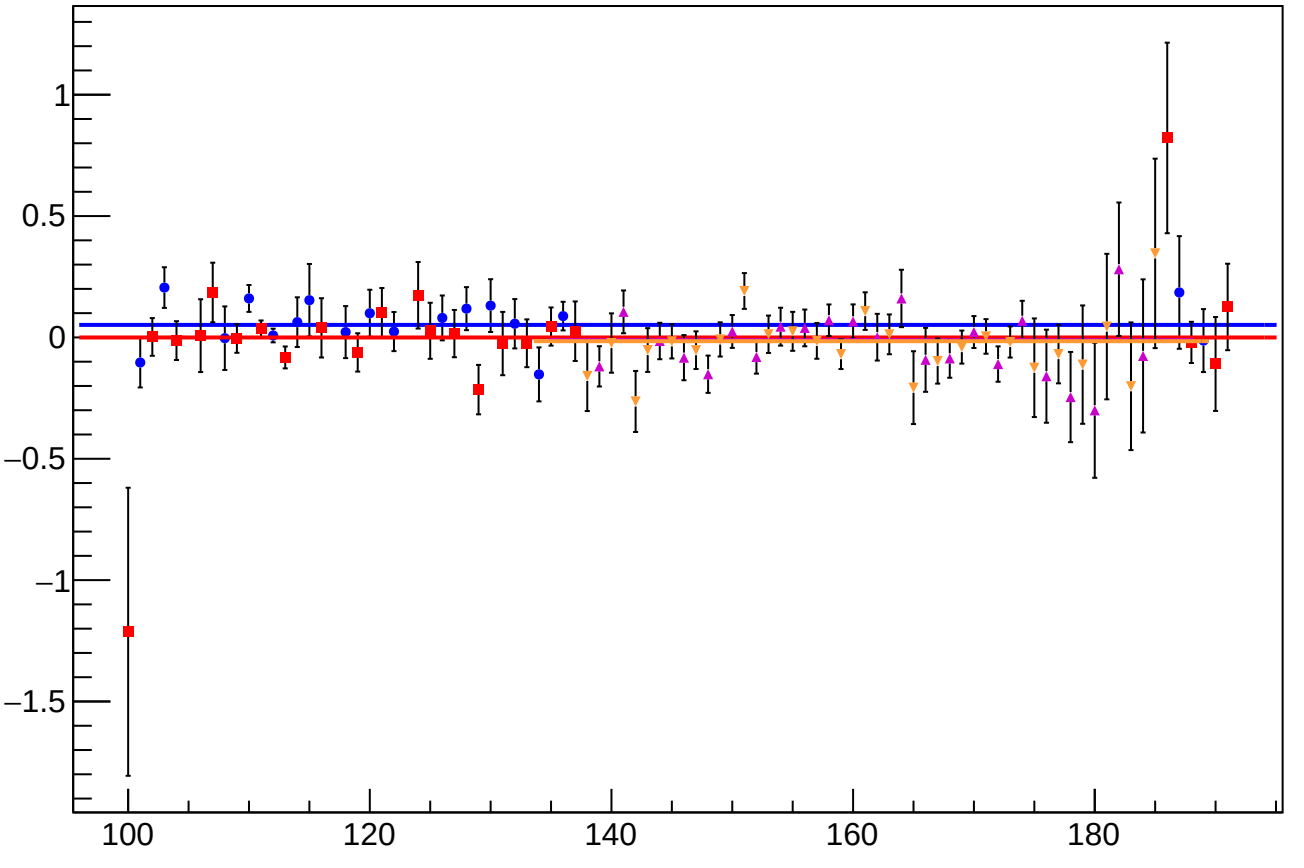
Left In: -0.000+/-0.000 χ^2/NDF:24.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.8/42

All: 0.000+/-0.000 χ^2/NDF: 115.2/88

- sign 0.000+/-0.000 χ^2/NDF: 50.3/45


asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
0
100
120
140
160
180
Right In: 0.002+/-0.000 χ²/NDF: 3069835.4/17
Left Out: 0.003+/-0.000 χ²/NDF:7499900.9/24
Right Out: 0.002+/-0.000 χ²/NDF: 5073138.1/22
Left In: 0.003+/-0.000 χ²/NDF:6504235.2/22
+ sign 0.002+/-0.000 χ²/NDF: 10717447.5/42
All: 0.002+/-0.000 χ²/NDF: 23443378.9/88
- sign 0.002+/-0.000 χ²/NDF: 12672570.1/45



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: -0.000+/-0.017 χ^2/NDF: 24.5/22

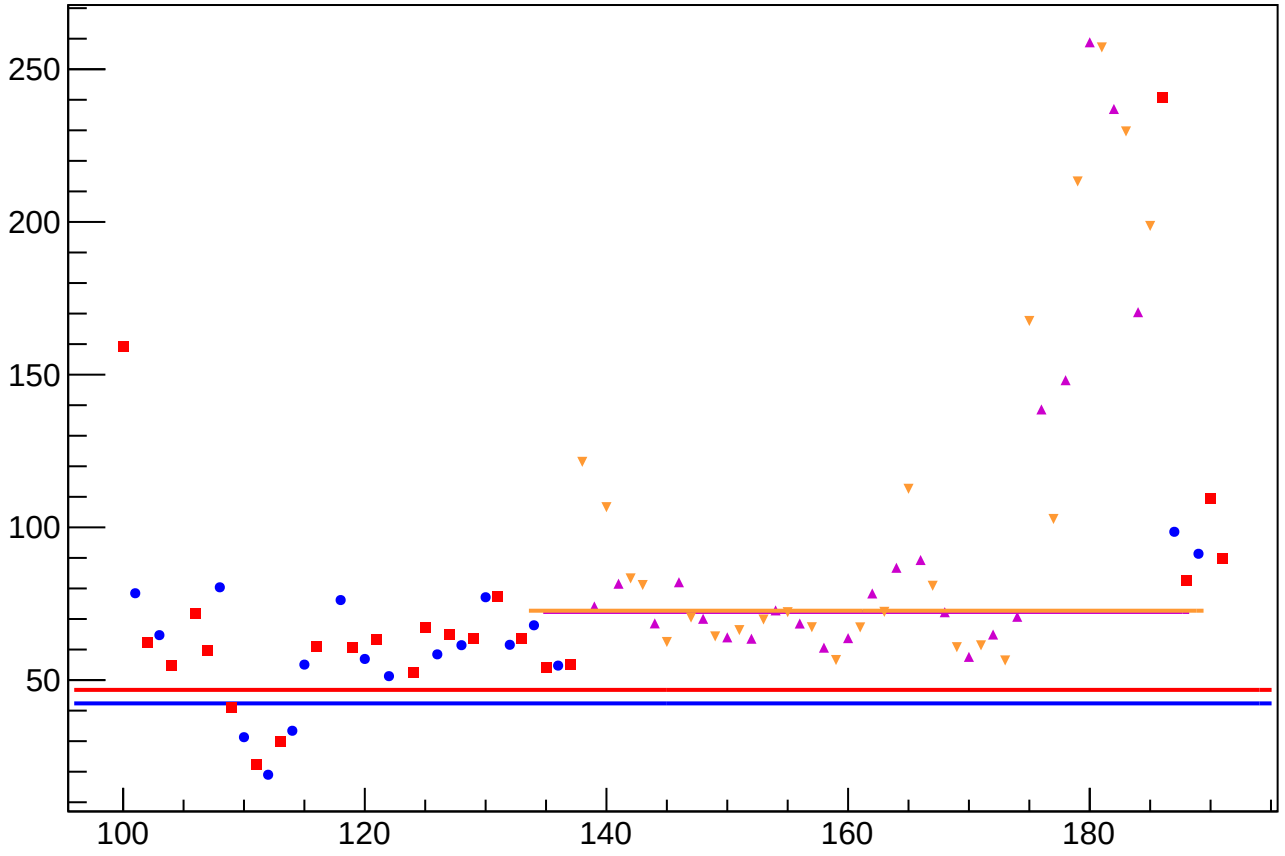
Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.019+/-0.013 χ^2/NDF: 47.3/42

All: 0.007+/-0.009 χ^2/NDF: 97.2/88

- sign -0.006+/-0.013 χ^2/NDF: 48.0/45

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

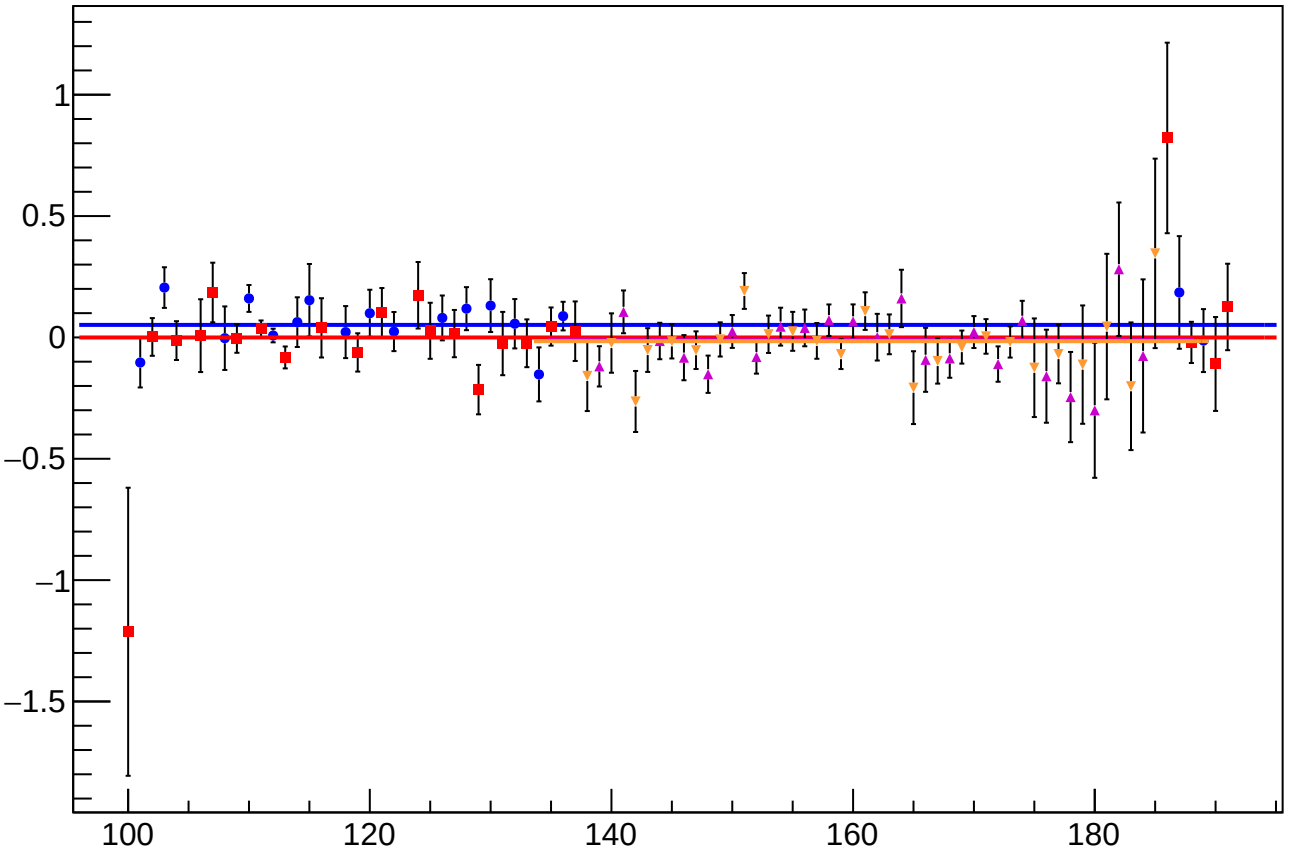
Right Out: 46.790+/-0.012 χ^2/NDF: 3275715.4/22

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

+ sign 57.196+/-0.009 χ^2/NDF: 10218663.0/42

All: 58.051+/-0.006 χ^2/NDF: 18352742.3/88

- sign 58.910+/-0.009 χ^2/NDF: 8115495.6/45



Right In: 0.052+/-0.018 χ^2/NDF: 18.6/17

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

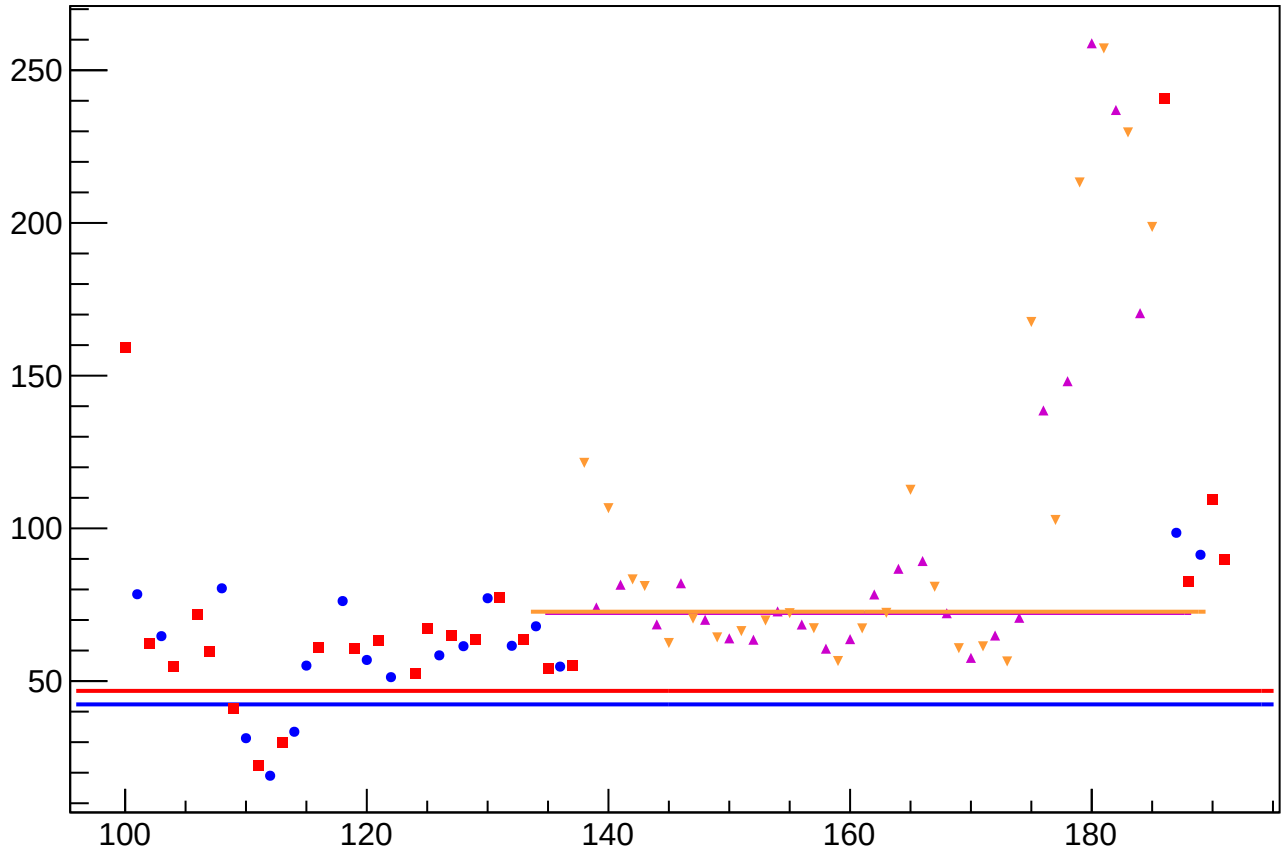
Right Out: -0.000+/-0.017 χ^2/NDF: 24.5/22

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: 97.2/88

- sign -0.006+/-0.013 χ^2/NDF: 48.0/45



Right In: 42.368+/-0.012 χ^2/NDF: 3337830.3/17

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

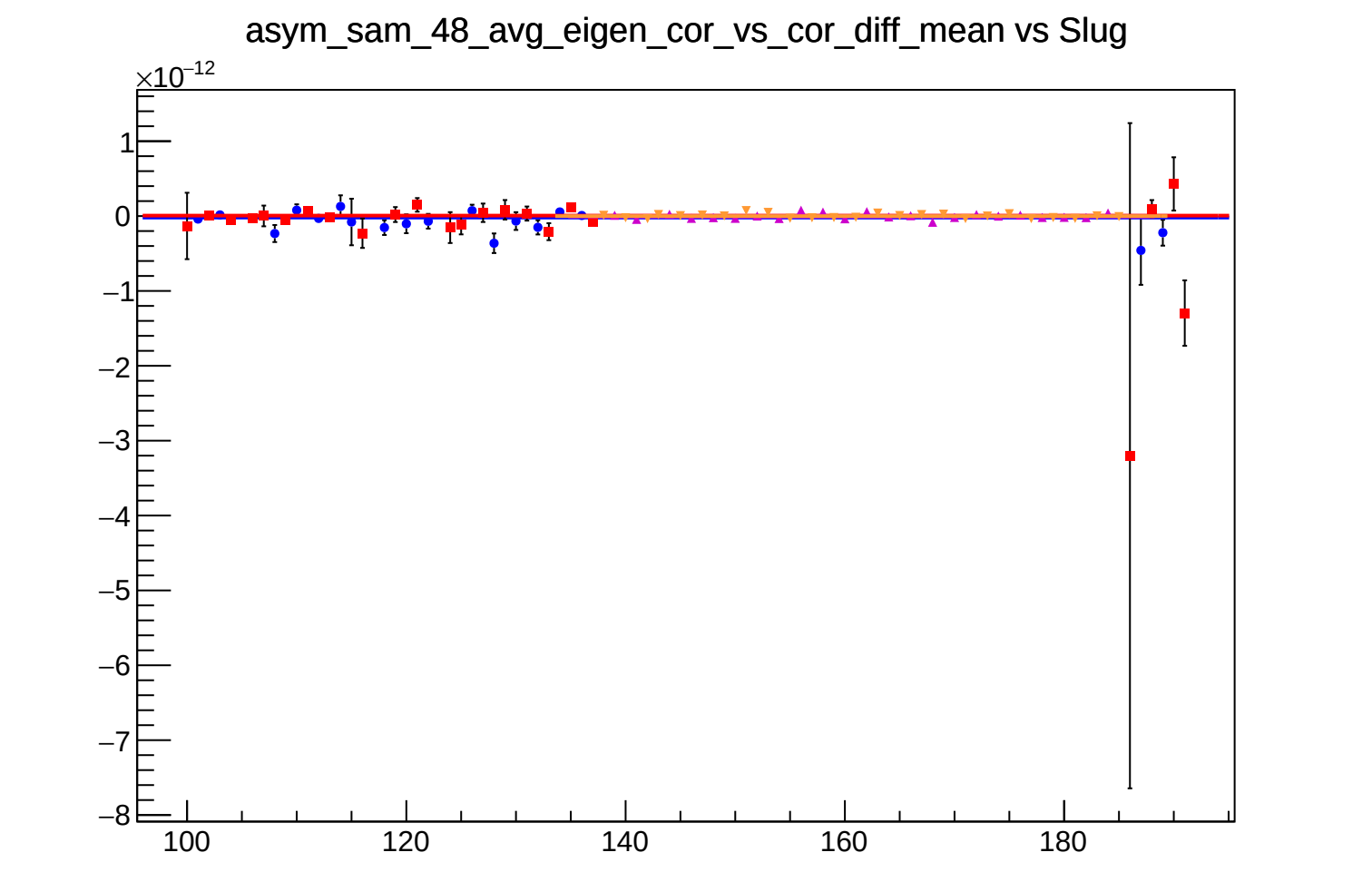
Right Out: 46.790+/-0.012 χ^2/NDF: 3275715.4/22

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

+ sign 57.196+/-0.009 χ^2/NDF: 10218663.0/42

All: 58.051+/-0.006 χ^2/NDF: 18352742.3/88

- sign 58.910+/-0.009 χ^2/NDF: 8115495.6/45



Right In: -0.000+/-0.000 χ^2/NDF: 25.3/17

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/24

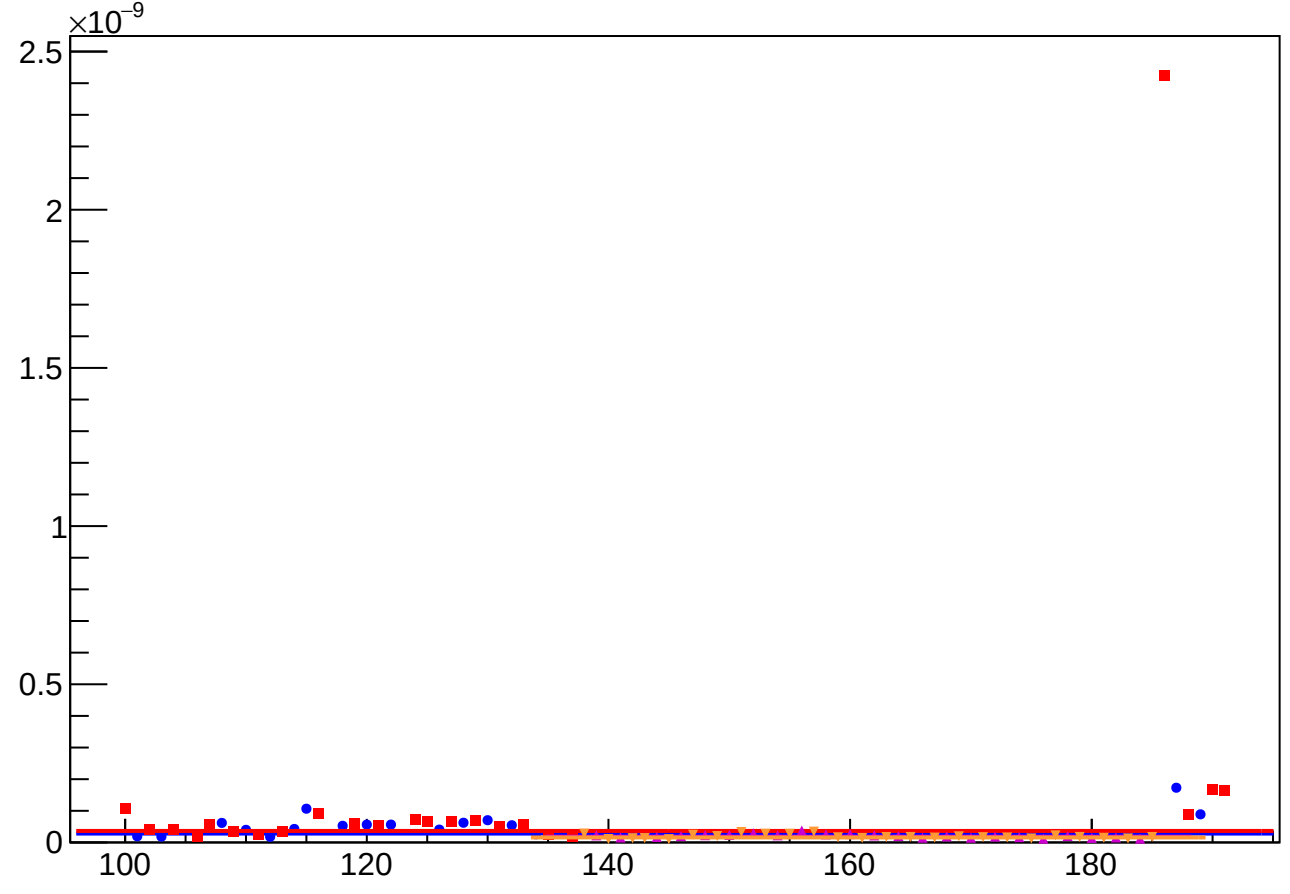
Right Out: 0.000+/-0.000 χ^2/NDF: 34.7/22

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: 128.4/88

- sign -0.000+/-0.000 χ^2/NDF: 73.5/45



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: 3101241.7/22

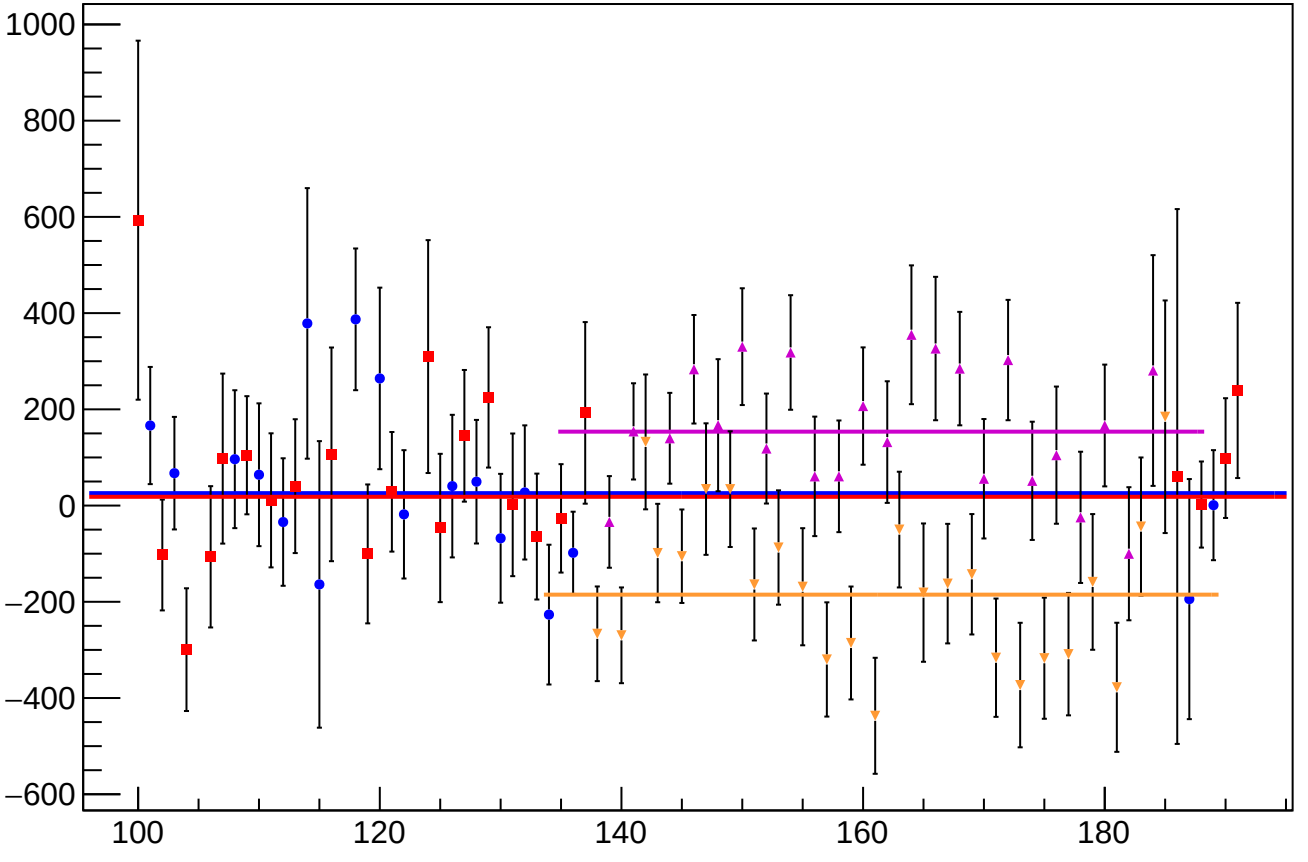
Left In: 0.000+/-0.000 χ^2/NDF:1621439.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5897747.6/42

All: 0.000+/-0.000 χ^2/NDF: 13206537.3/88

- sign 0.000+/-0.000 χ^2/NDF: 6938230.4/45

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: 18.228+/-29.905 χ^2/NDF: 19.8/22

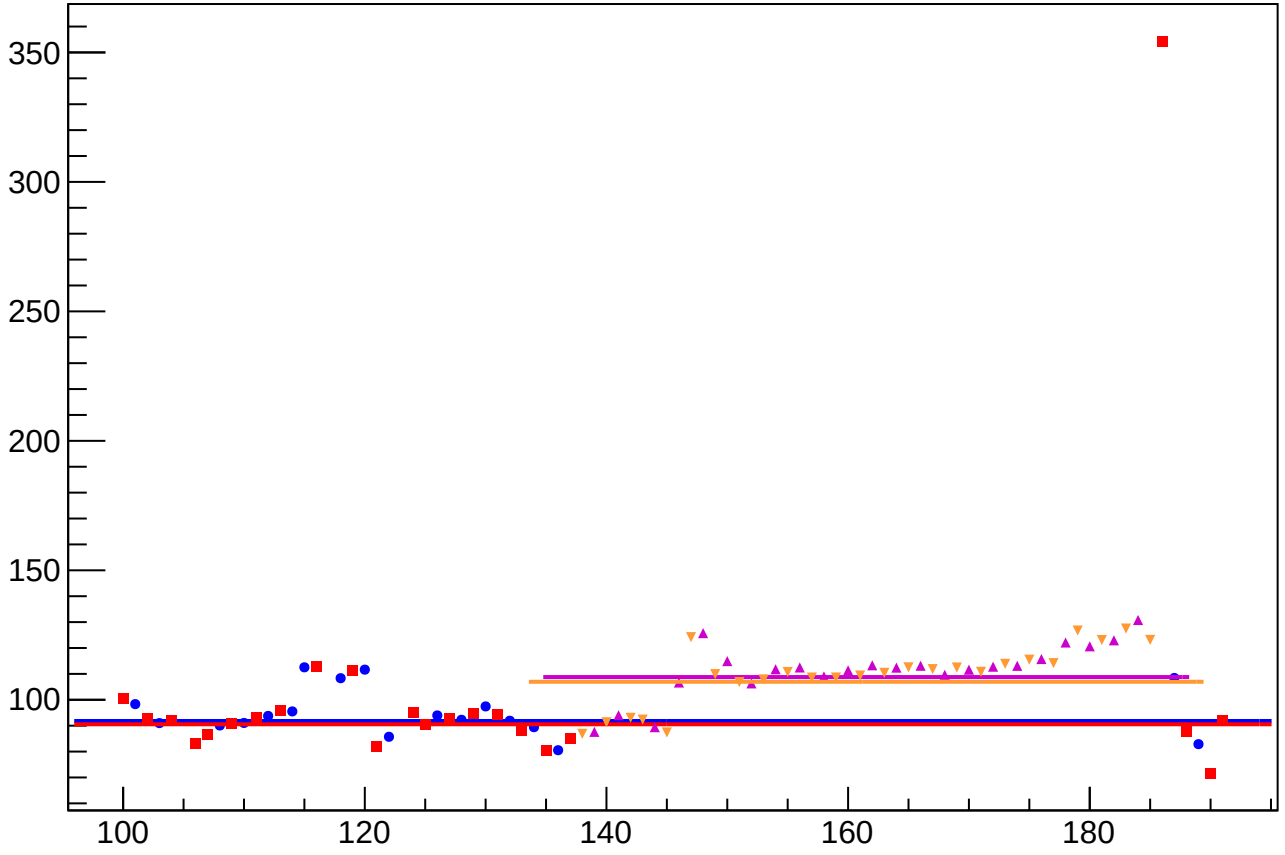
Left In: 153.627+/-25.538 χ^2/NDF:23.5/22

+ sign -109.430+/-19.579 χ^2/NDF: 77.9/42

All: -5.613+/-13.788 χ^2/NDF: 188.9/88

- sign 96.525+/-19.420 χ^2/NDF: 55.2/45

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: 90.541+/-0.021 χ^2/NDF: 604868.1/22

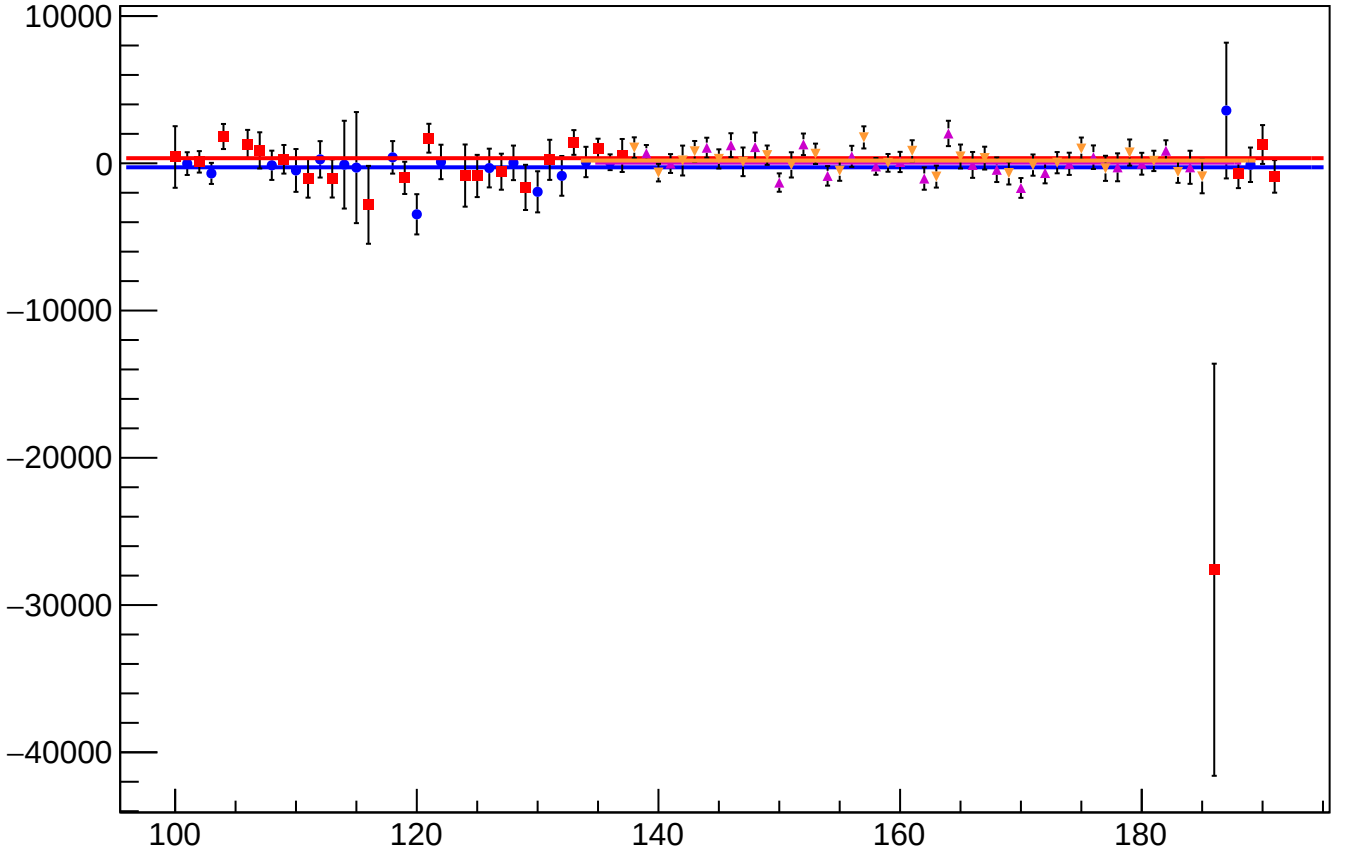
Left In: 108.781+/-0.018 χ^2/NDF:358436.3/22

+ sign 101.519+/-0.014 χ^2/NDF: 868218.4/42

All: 101.302+/-0.010 χ^2/NDF: 2262244.2/88

- sign 101.089+/-0.014 χ^2/NDF: 1393539.4/45

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: 347.121+/-231.676 χ^2/NDF: 24.0/22

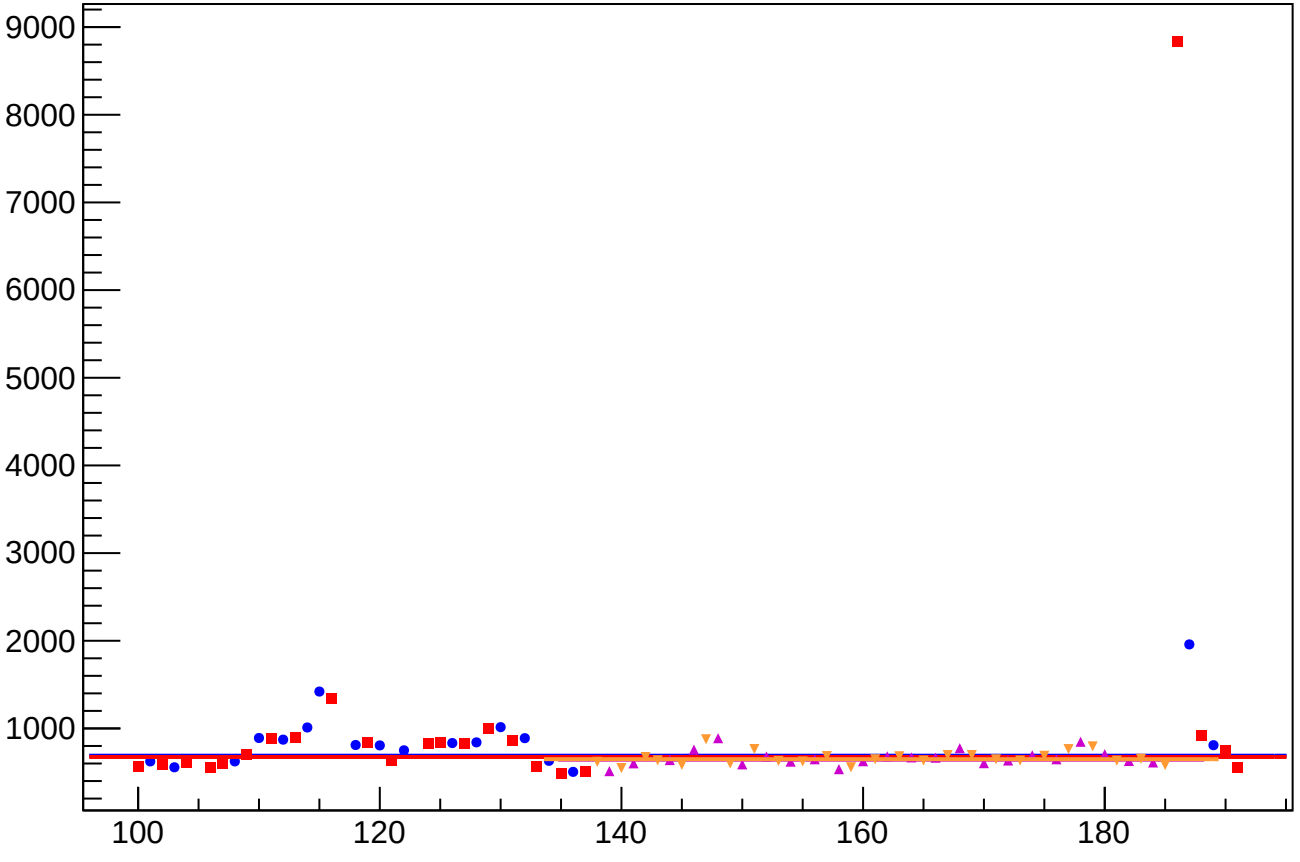
Left In: 43.249+/-152.059 χ^2/NDF:33.7/22

+ sign 68.695+/-128.292 χ^2/NDF: 31.0/42

All: 102.020+/-90.300 χ^2/NDF: 90.1/88

- sign 134.740+/-127.123 χ^2/NDF: 58.9/45

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: 674.568+/-0.164 χ^2/NDF: 1636582.7/22

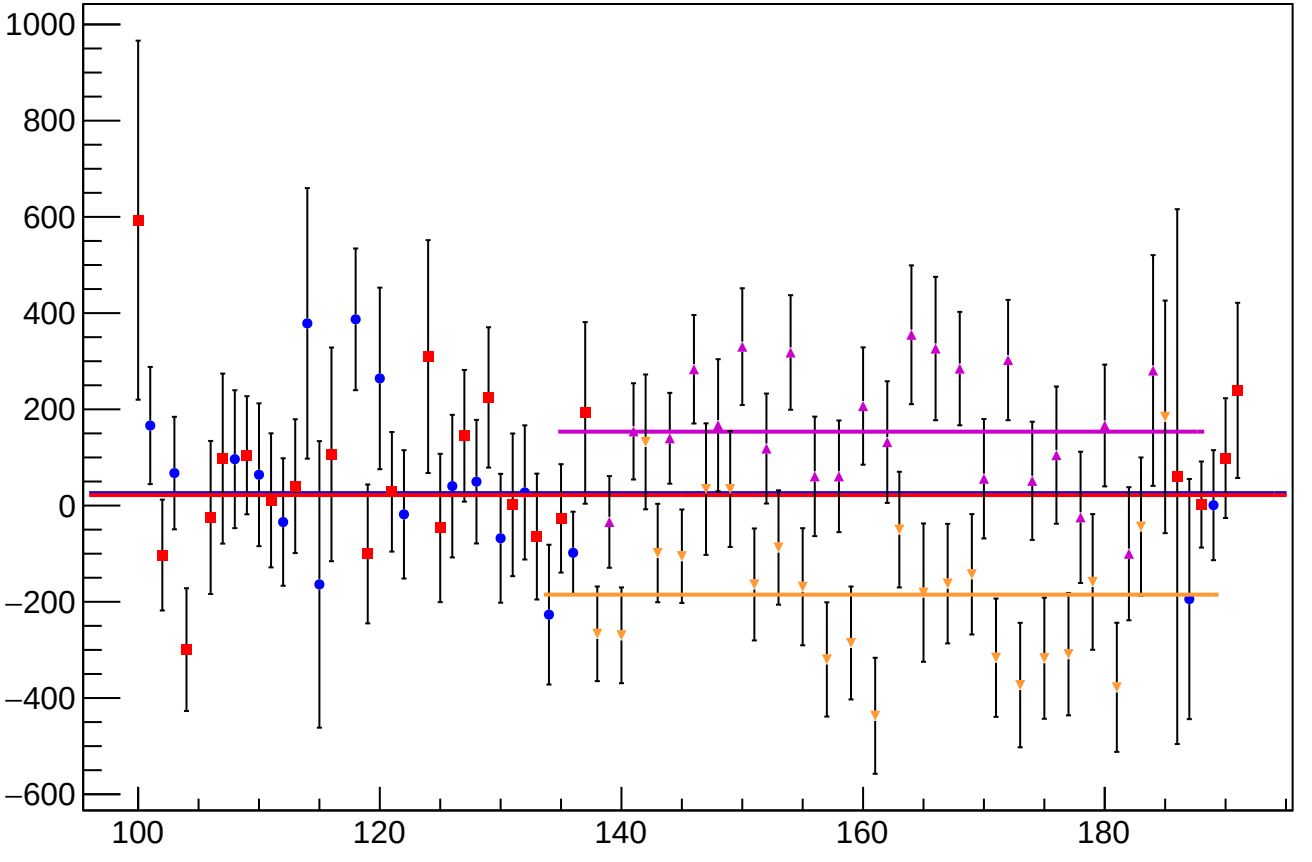
Left In: 644.072+/-0.108 χ^2/NDF:559119.9/22

+ sign 659.398+/-0.091 χ^2/NDF: 1398660.9/42

All: 656.298+/-0.064 χ^2/NDF: 3620897.6/88

- sign 653.254+/-0.090 χ^2/NDF: 2219922.1/45

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: 21.900+/-29.997 χ^2/NDF: 19.1/22

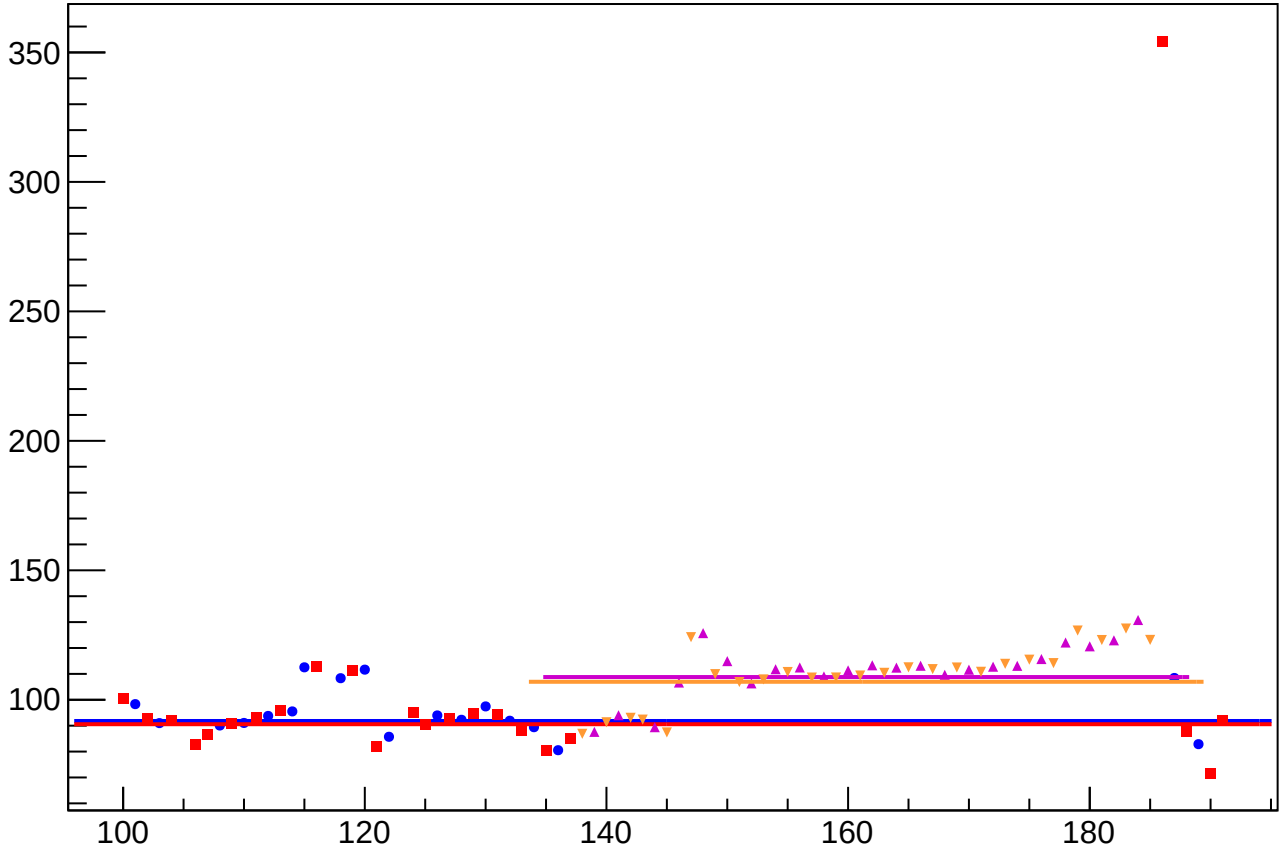
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -109.427+/-19.579 χ^2/NDF: 77.9/42

All: -4.864+/-13.797 χ^2/NDF: 188.4/88

- sign 98.274+/-19.445 χ^2/NDF: 53.8/45

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

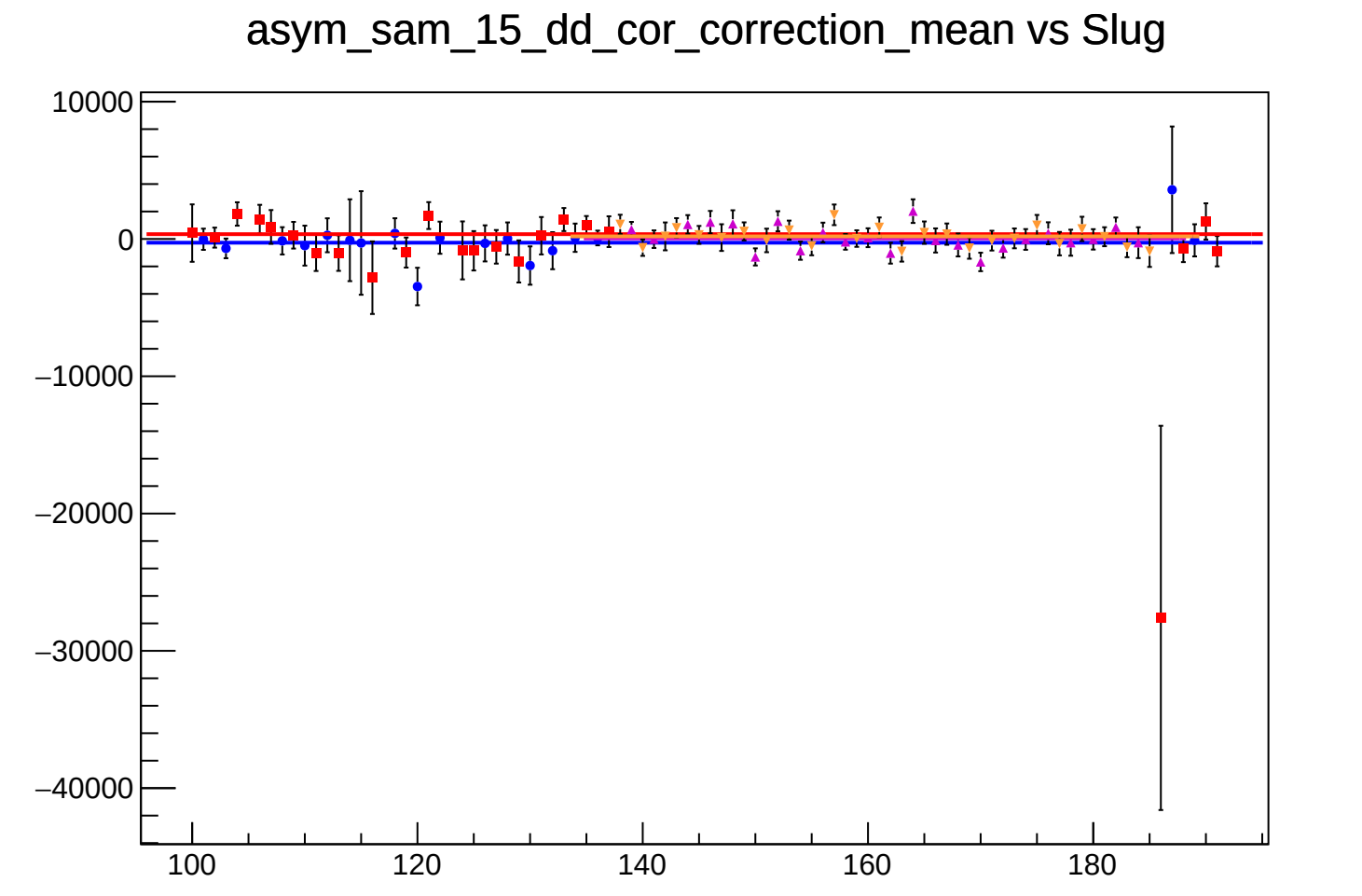
Right Out: 90.567+/-0.021 χ^2/NDF: 604785.6/22

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

+ sign 101.519+/-0.014 χ^2/NDF: 868218.3/42

All: 101.321+/-0.010 χ^2/NDF: 2259328.3/88

- sign 101.127+/-0.014 χ^2/NDF: 1390706.7/45



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: 349.748+/-232.343 χ^2/NDF: 24.2/22

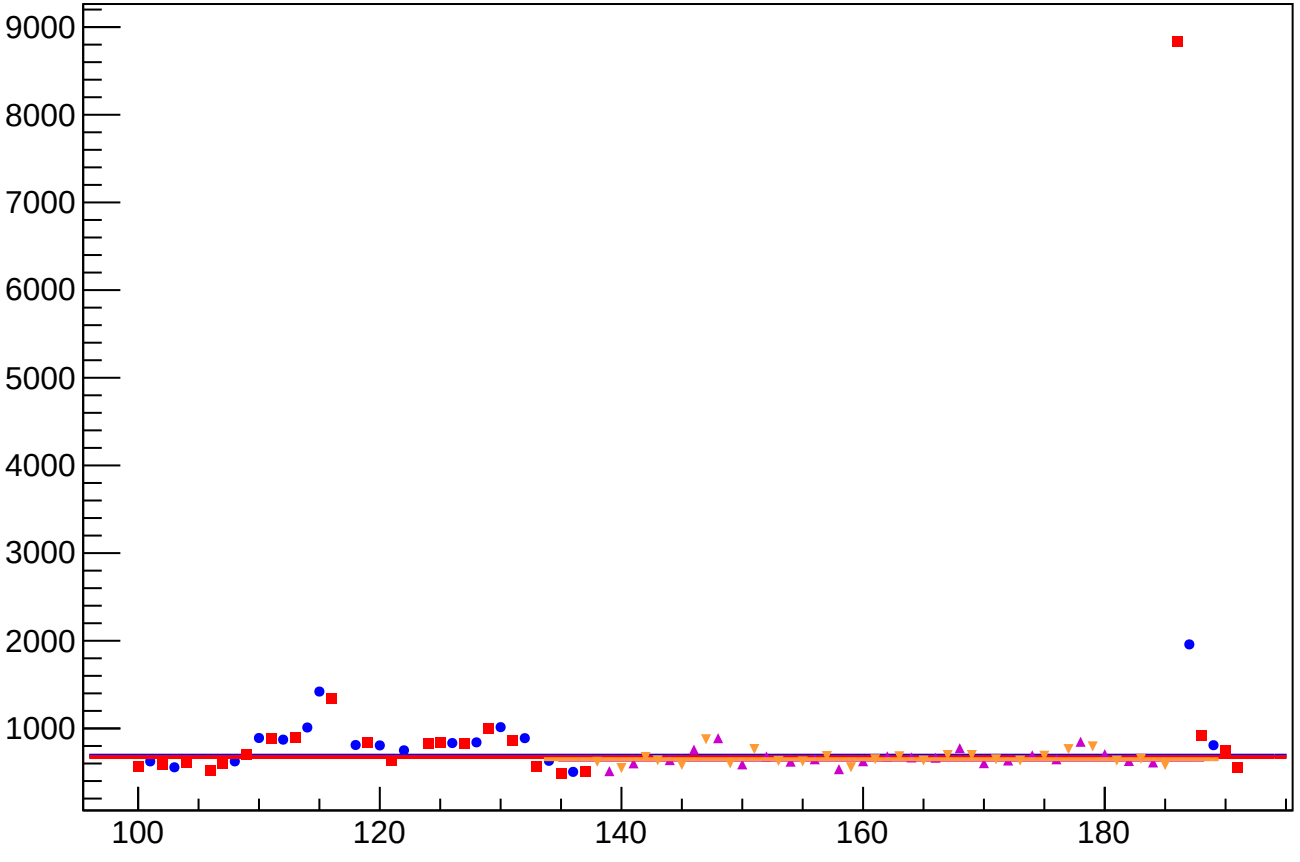
Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

+ sign 68.691+/-128.292 χ^2/NDF: 31.0/42

All: 102.202+/-90.340 χ^2/NDF: 90.3/88

- sign 135.162+/-127.233 χ^2/NDF: 59.1/45

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: 673.901+/-0.164 χ^2/NDF: 1647422.5/22

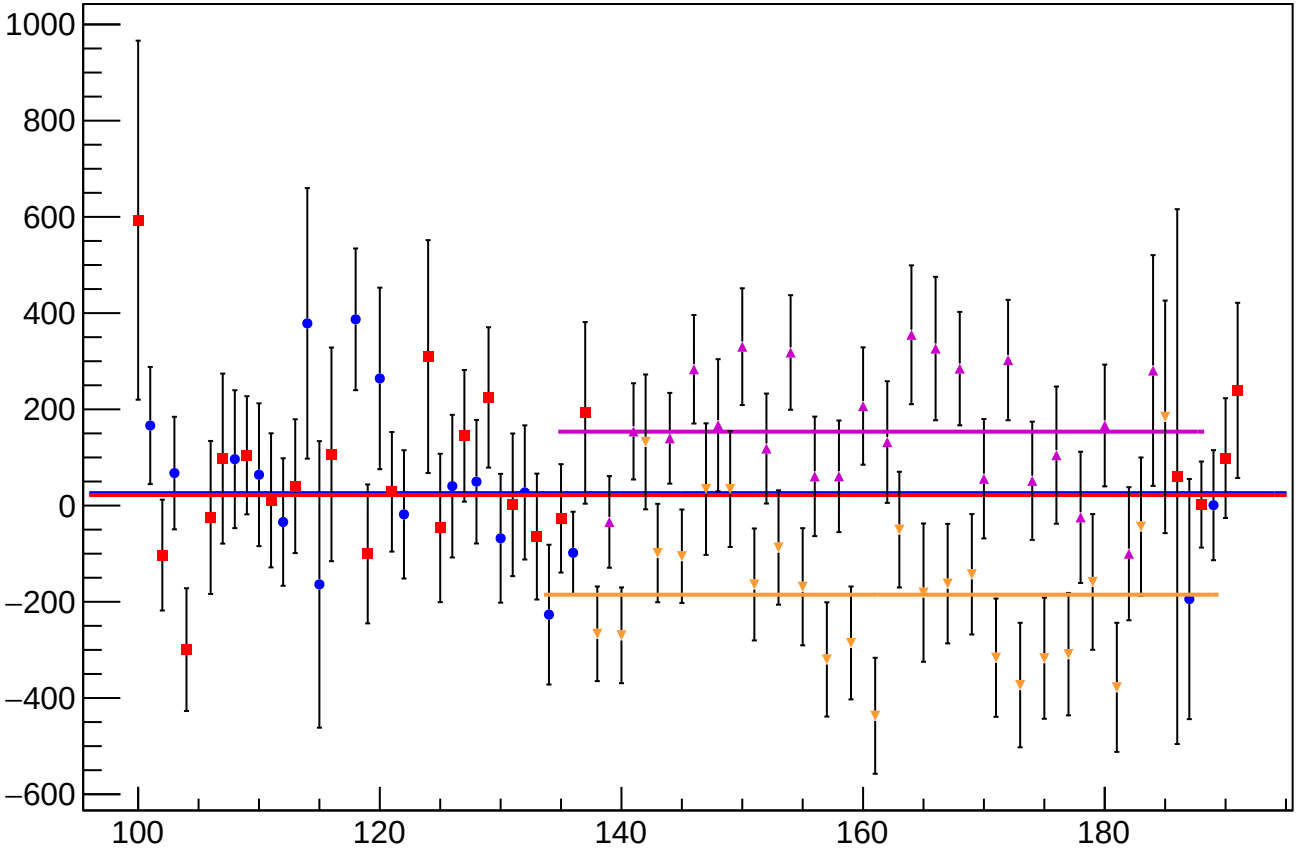
Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

+ sign 659.398+/-0.091 χ^2/NDF: 1398662.7/42

All: 656.181+/-0.064 χ^2/NDF: 3630779.9/88

- sign 653.017+/-0.090 χ^2/NDF: 2229623.1/45

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: 21.900+/-29.997 χ^2/NDF: 19.1/22

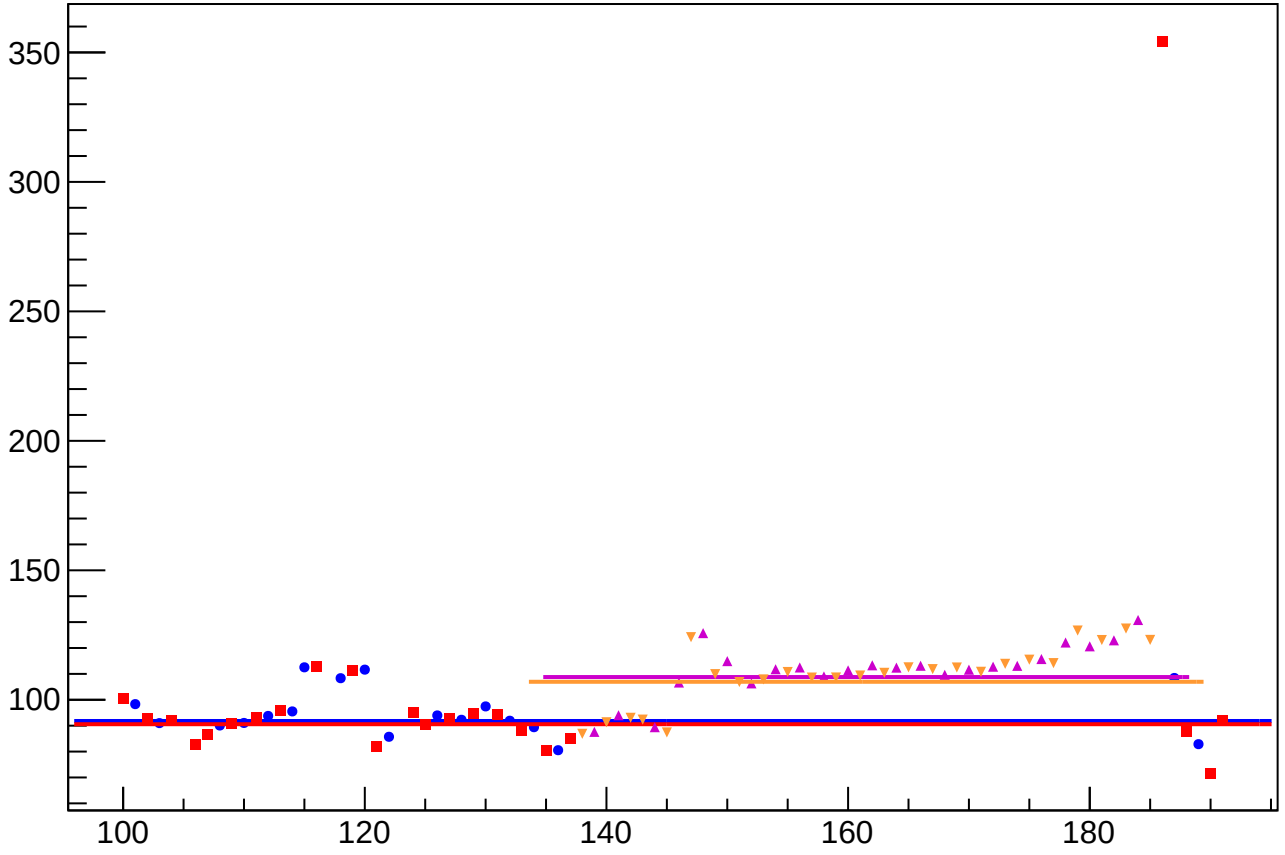
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -109.427+/-19.579 χ^2/NDF: 77.9/42

All: -4.864+/-13.797 χ^2/NDF: 188.4/88

- sign 98.274+/-19.445 χ^2/NDF: 53.8/45

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

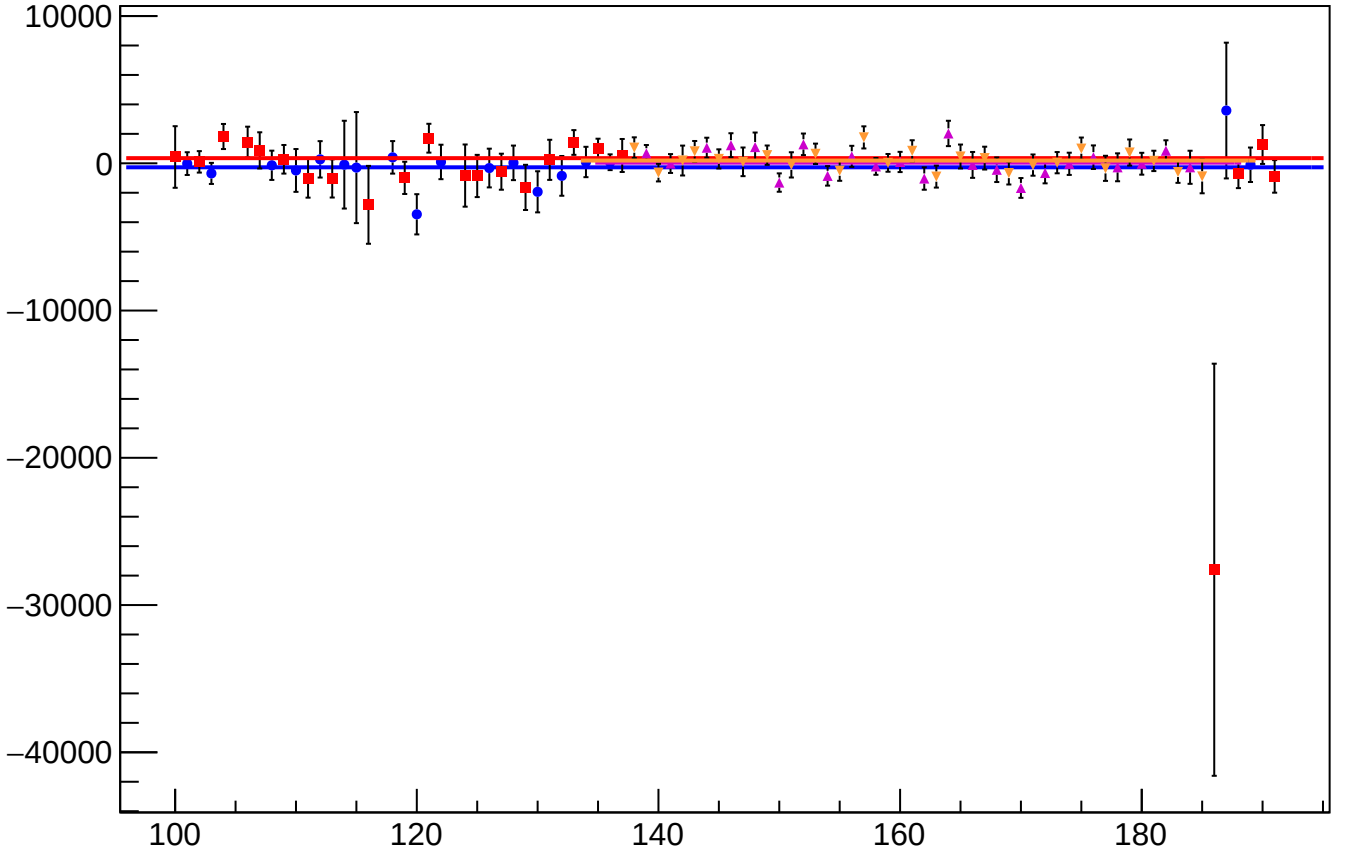
Right Out: 90.567+/-0.021 χ^2/NDF: 604785.6/22

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

+ sign 101.519+/-0.014 χ^2/NDF: 868218.3/42

All: 101.321+/-0.010 χ^2/NDF: 2259328.3/88

- sign 101.127+/-0.014 χ^2/NDF: 1390706.7/45



Right In: -272.042+/-253.145 χ^2/NDF: 9.5/17

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

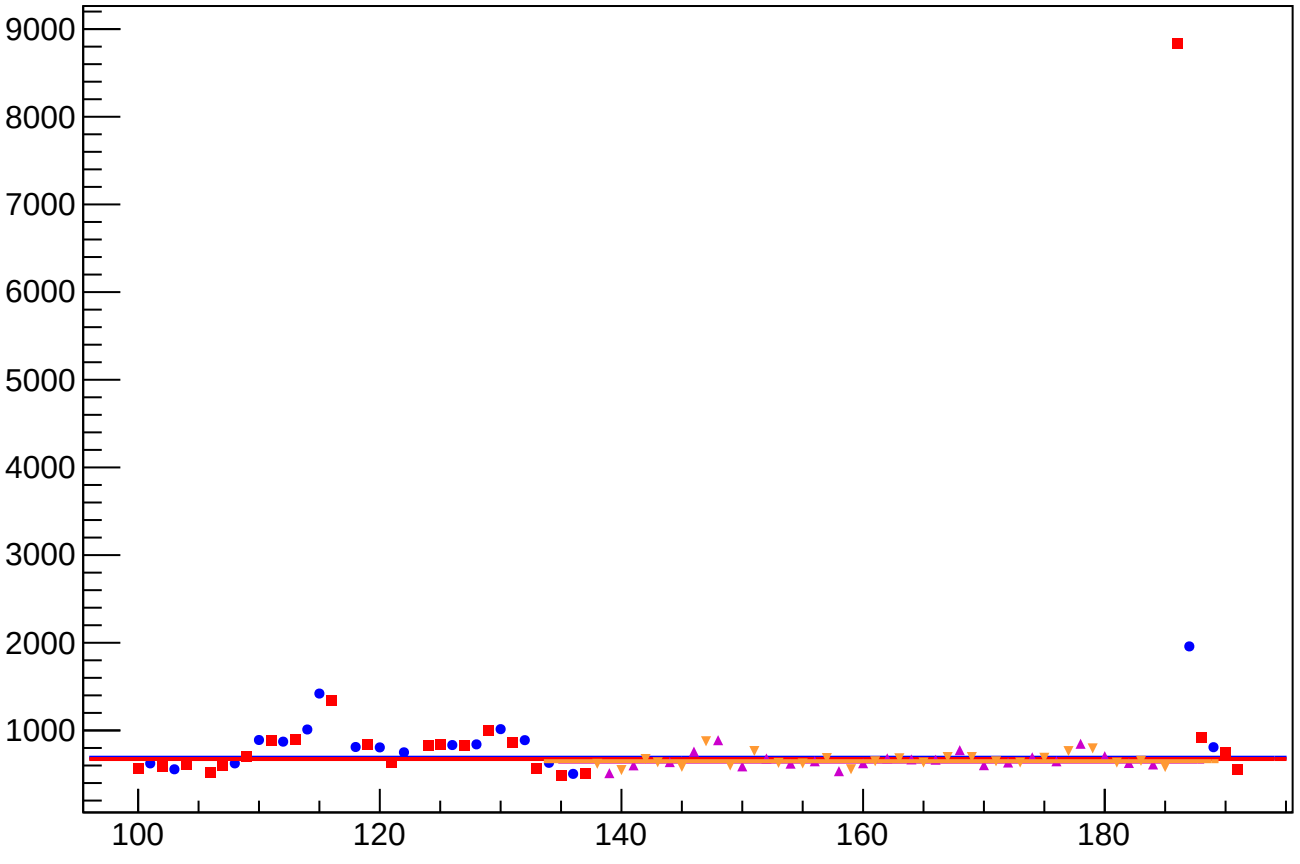
Right Out: 349.748+/-232.343 χ^2/NDF: 24.2/22

Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

+ sign 68.691+/-128.292 χ^2/NDF: 31.0/42

All: 102.202+/-90.340 χ^2/NDF: 90.3/88

- sign 135.162+/-127.233 χ^2/NDF: 59.1/45



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: 673.901+/-0.164 χ^2/NDF: 1647422.5/22

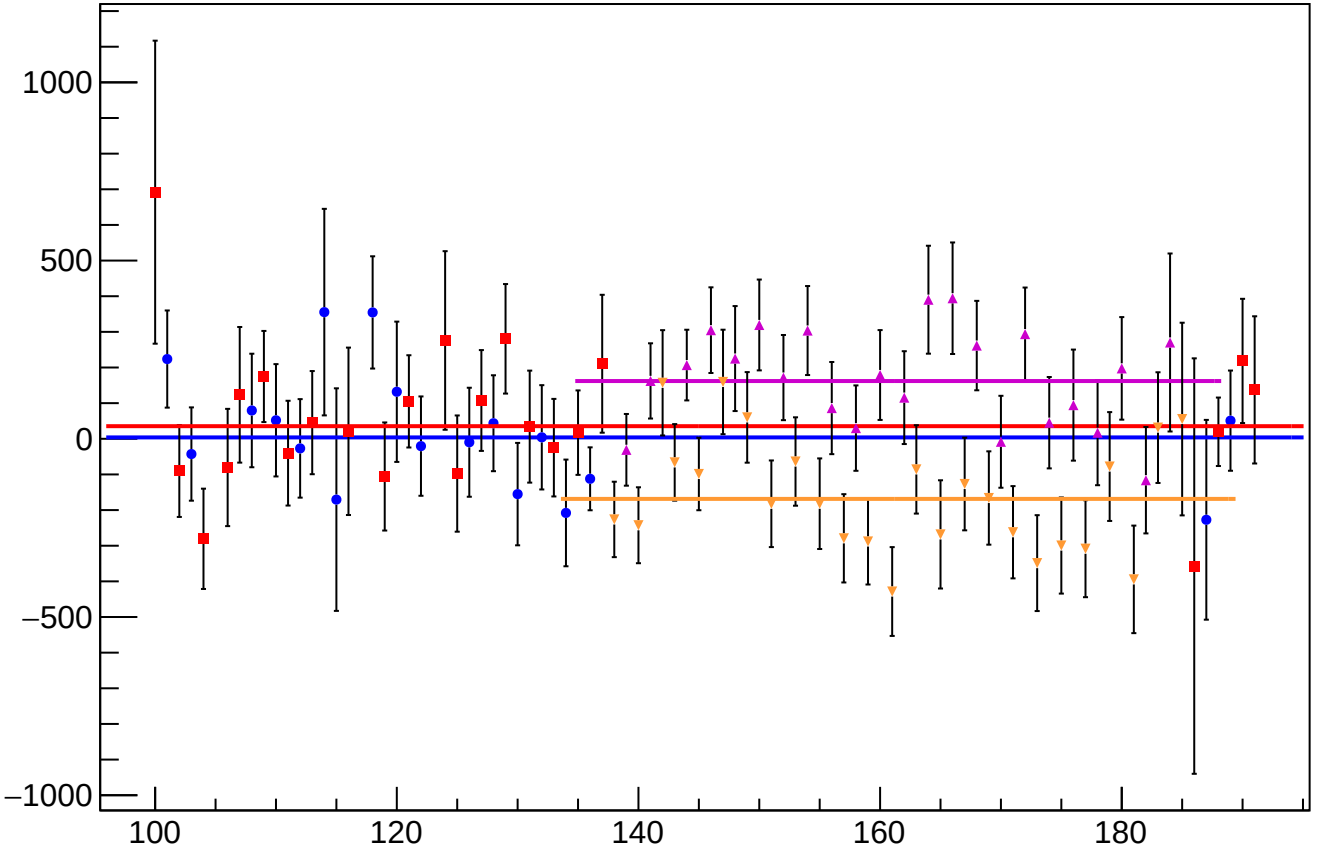
Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

+ sign 659.398+/-0.091 χ^2/NDF: 1398662.7/42

All: 656.181+/-0.064 χ^2/NDF: 3630779.9/88

- sign 653.017+/-0.090 χ^2/NDF: 2229623.1/45

dit_asym_sam_15_dd_mean vs Slug



Right In: 3.869+/-35.059 χ^2/NDF: 16.1/17

Left Out: -168.634+/-25.819 χ^2/NDF:32.4/24

Right Out: 35.389+/-32.227 χ^2/NDF: 19.0/22

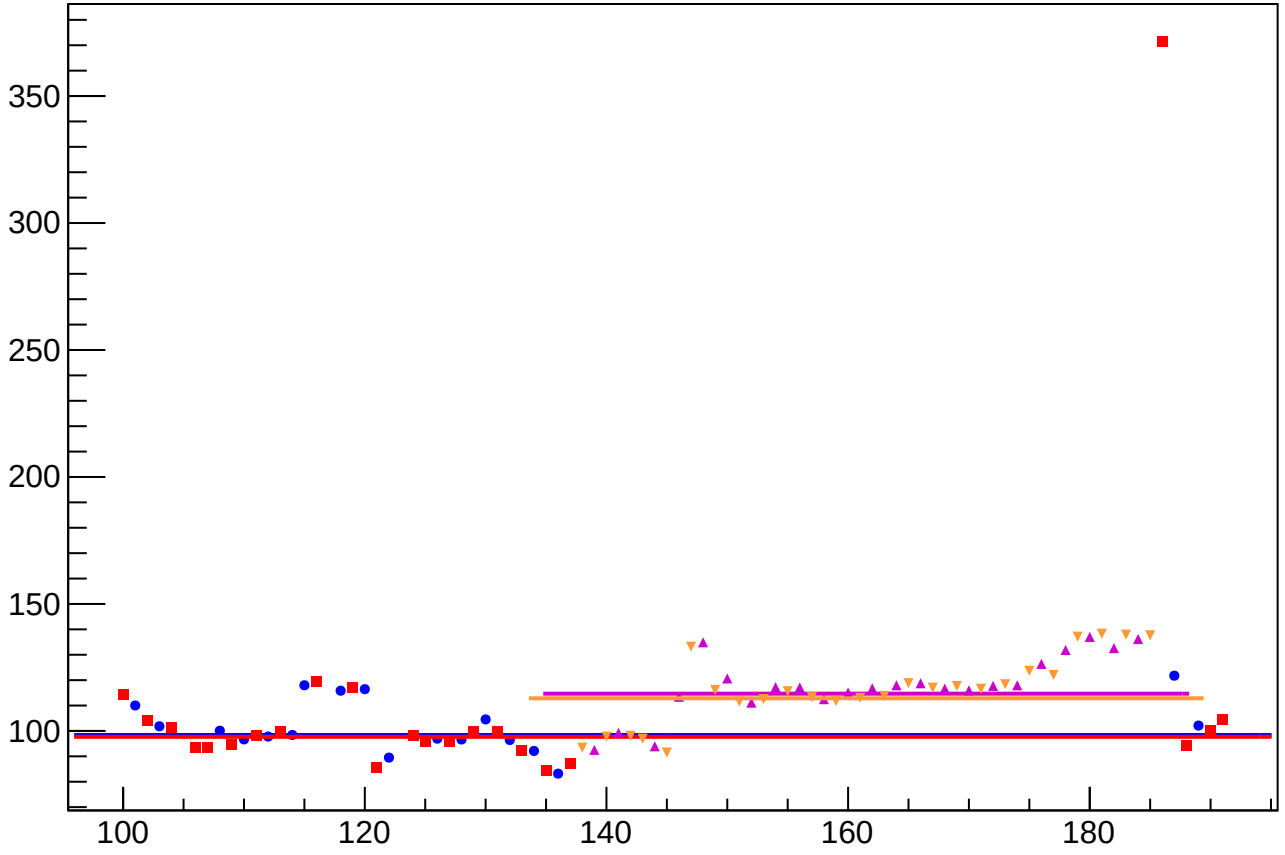
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -107.975+/-20.790 χ^2/NDF: 64.2/42

All: 1.587+/-14.659 χ^2/NDF: 171.1/88

- sign 109.919+/-20.673 χ^2/NDF: 51.6/45

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: 97.686+/-0.023 χ^2/NDF: 562751.5/22

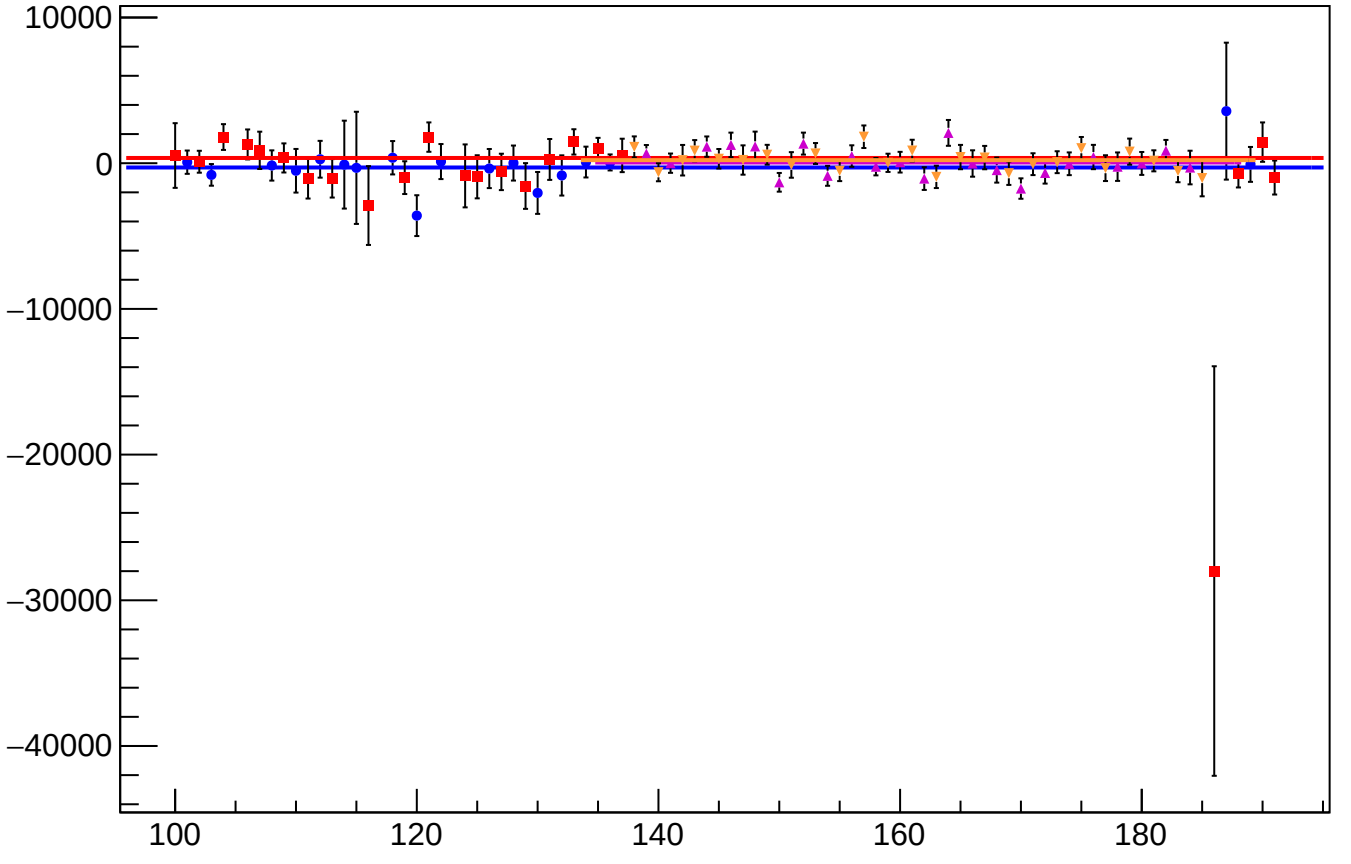
Left In: 114.677+/-0.019 χ^2/NDF:409932.2/22

+ sign 107.769+/-0.015 χ^2/NDF: 889014.0/42

All: 107.727+/-0.010 χ^2/NDF: 2188890.9/88

- sign 107.686+/-0.015 χ^2/NDF: 1299860.6/45

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: 360.001+/-239.063 χ^2/NDF: 23.8/22

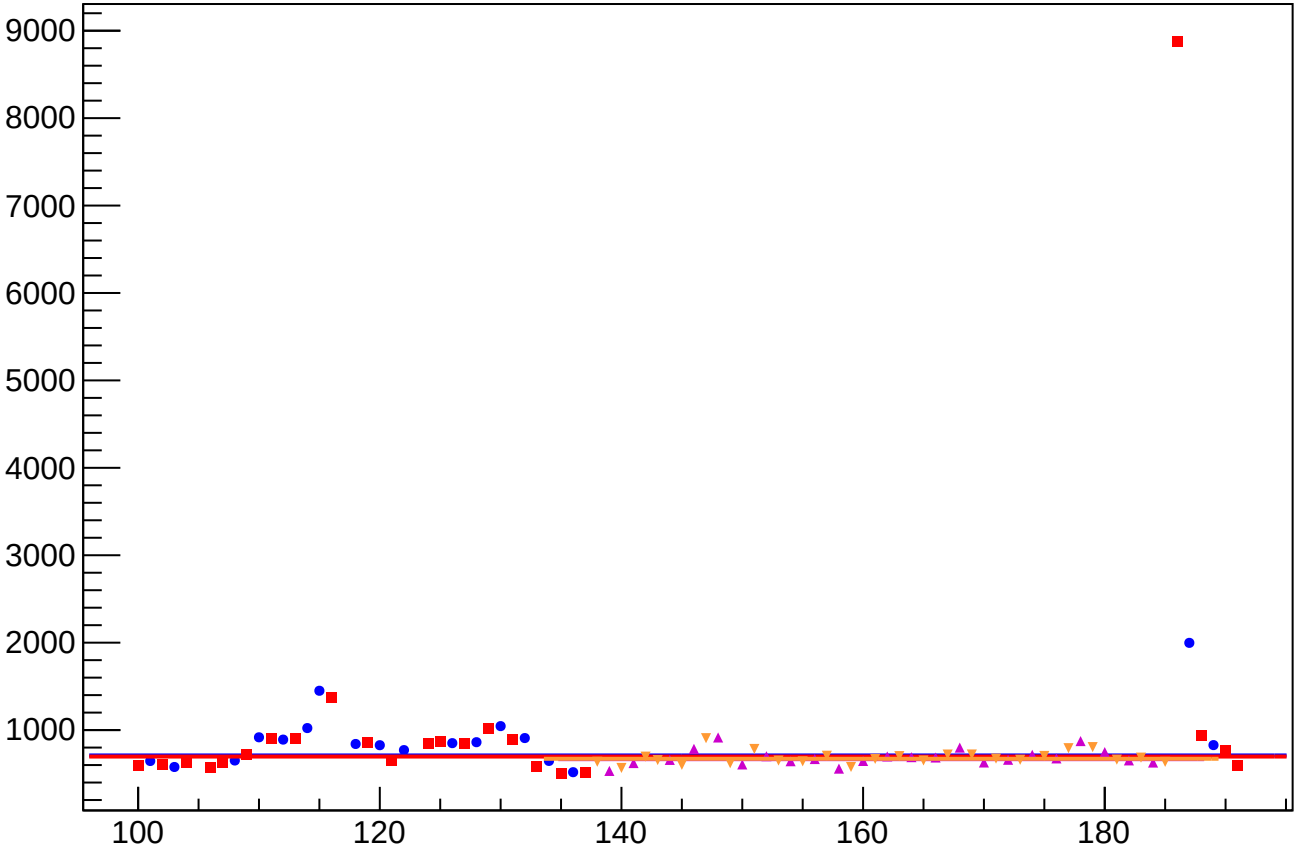
Left In: 50.266+/-157.485 χ^2/NDF:33.3/22

+ sign 79.380+/-132.544 χ^2/NDF: 31.5/42

All: 111.943+/-93.356 χ^2/NDF: 89.9/88

- sign 144.002+/-131.514 χ^2/NDF: 58.3/45

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: 697.247+/-0.169 χ^2/NDF: 1593134.3/22

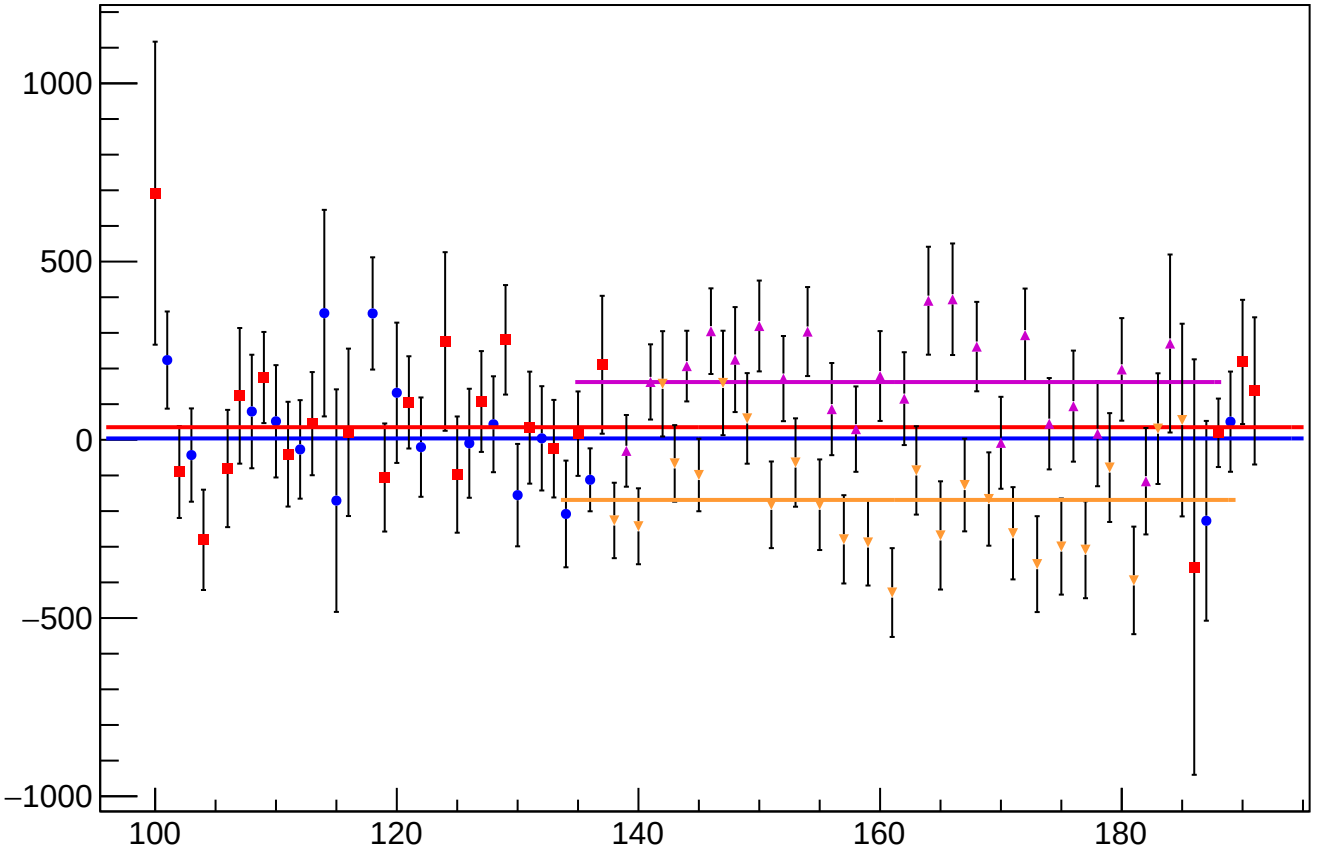
Left In: 667.341+/-0.111 χ^2/NDF:546903.6/22

+ sign 681.722+/-0.094 χ^2/NDF: 1357132.5/42

All: 679.036+/-0.066 χ^2/NDF: 3520626.0/88

- sign 676.392+/-0.093 χ^2/NDF: 2161863.4/45

eigen_dit_asym_sam_15_dd_mean vs Slug



Right In: 3.870+/-35.059 χ^2/NDF: 16.1/17

Left Out: -168.635+/-25.819 χ^2/NDF:32.4/24

Right Out: 35.390+/-32.227 χ^2/NDF: 19.0/22

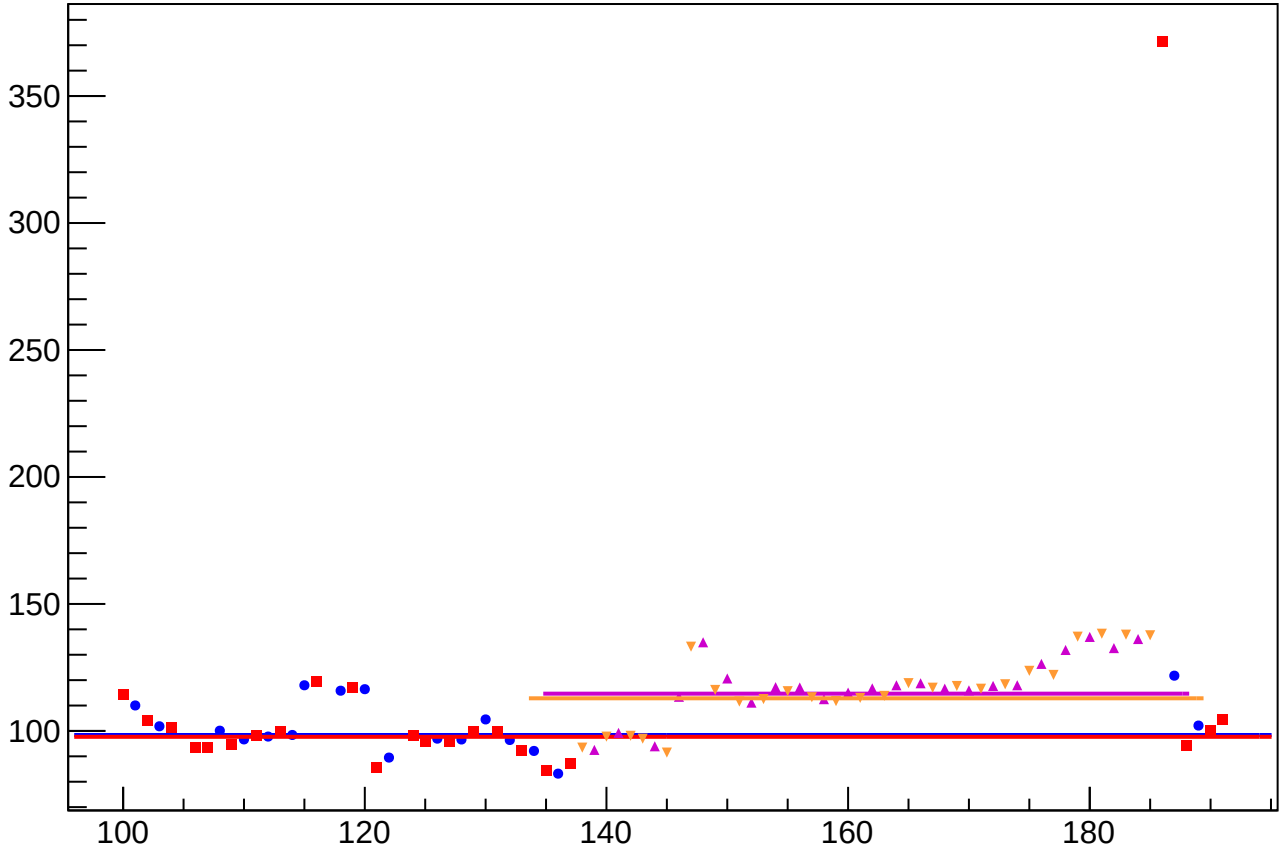
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -107.974+/-20.790 χ^2/NDF: 64.2/42

All: 1.587+/-14.659 χ^2/NDF: 171.1/88

- sign 109.919+/-20.673 χ^2/NDF: 51.6/45

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

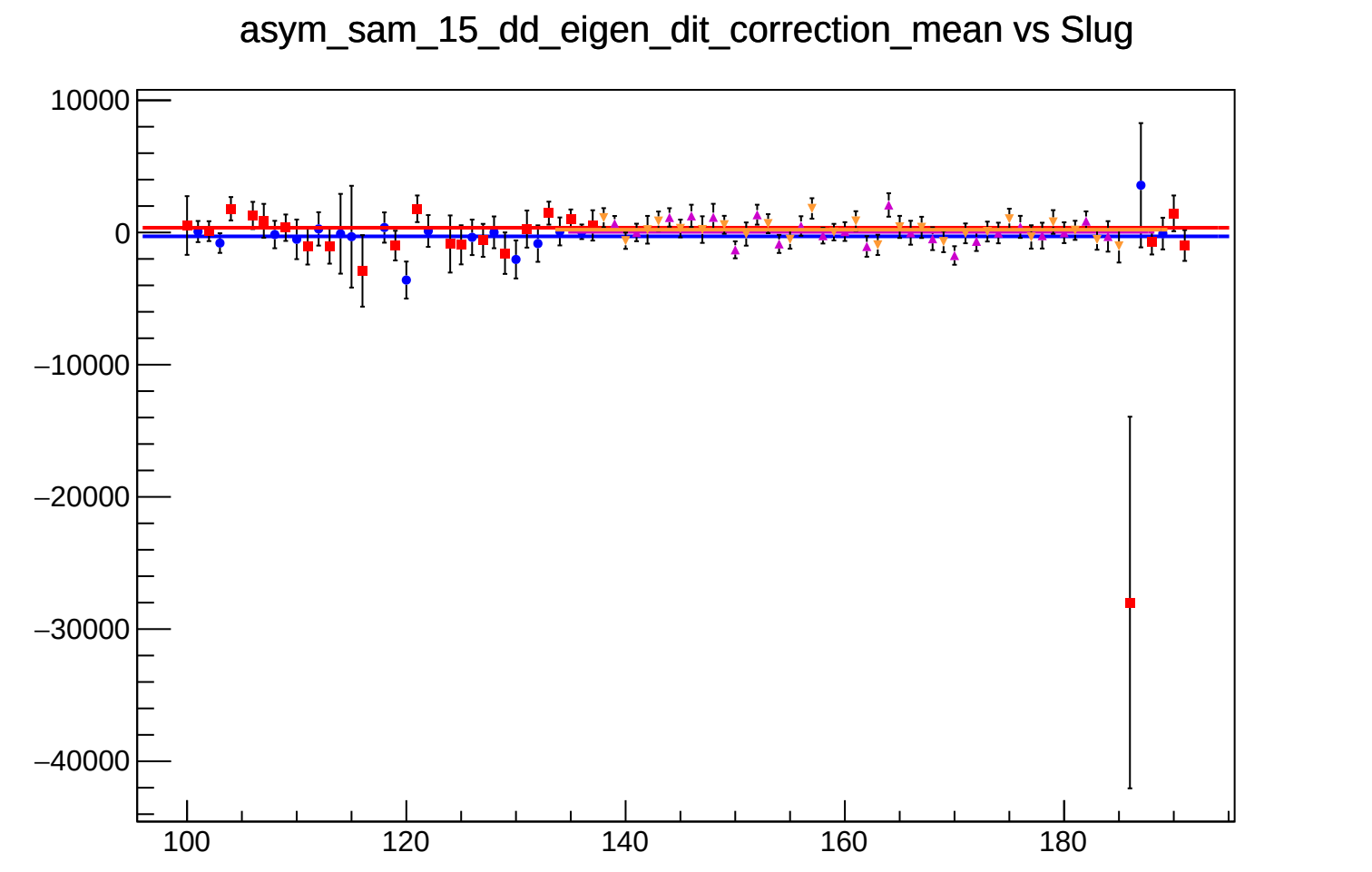
Right Out: 97.686+/-0.023 χ^2/NDF: 562749.5/22

Left In: 114.677+/-0.019 χ^2/NDF:409929.2/22

+ sign 107.769+/-0.015 χ^2/NDF: 889017.7/42

All: 107.727+/-0.010 χ^2/NDF: 2188902.5/88

- sign 107.686+/-0.015 χ^2/NDF: 1299868.5/45



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: 360.001+/-239.063 χ^2/NDF: 23.8/22

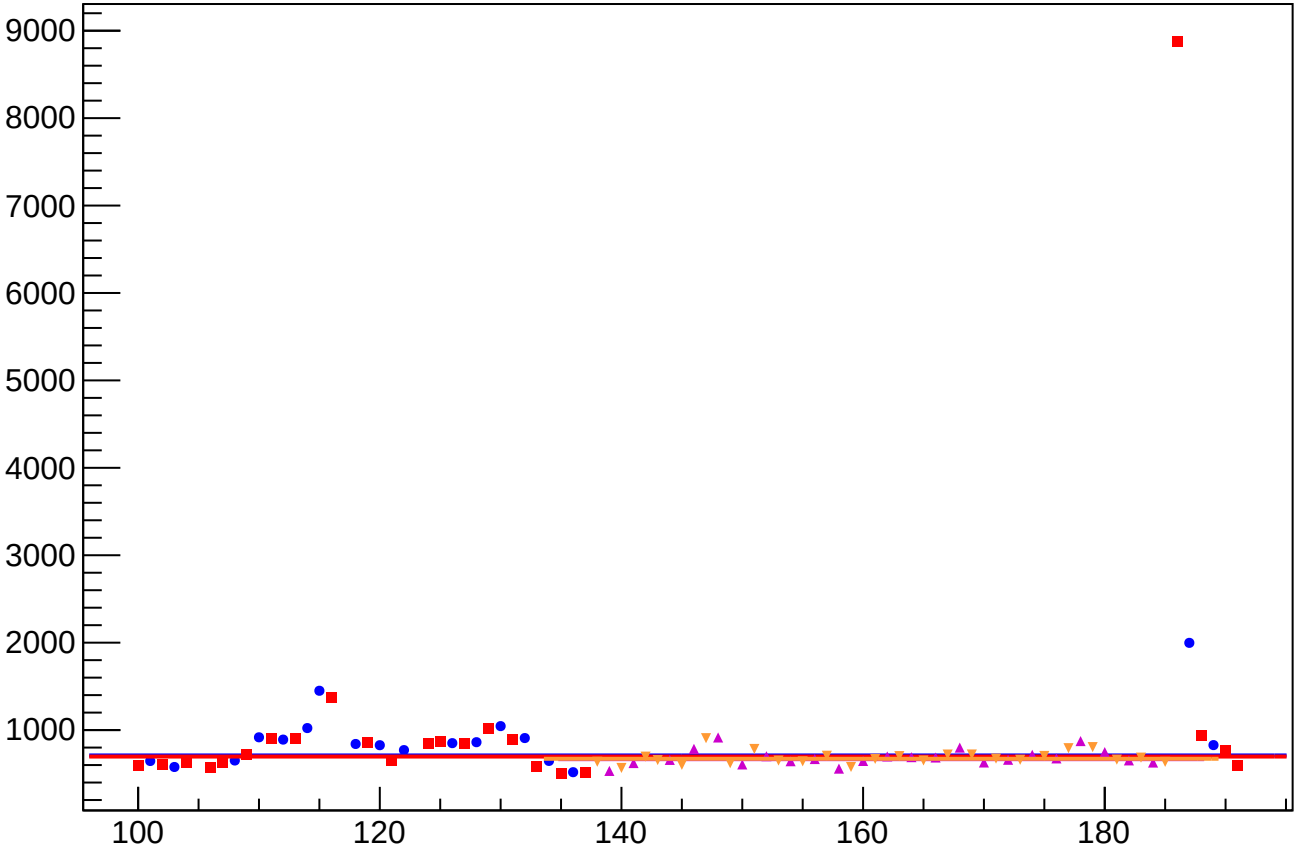
Left In: 50.267+/-157.485 χ^2/NDF:33.3/22

\+ sign 79.379+/-132.544 χ^2/NDF: 31.5/42

All: 111.943+/-93.356 χ^2/NDF: 89.9/88

\- sign 144.003+/-131.514 χ^2/NDF: 58.3/45

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: 697.245+/-0.169 χ^2/NDF: 1593141.0/22

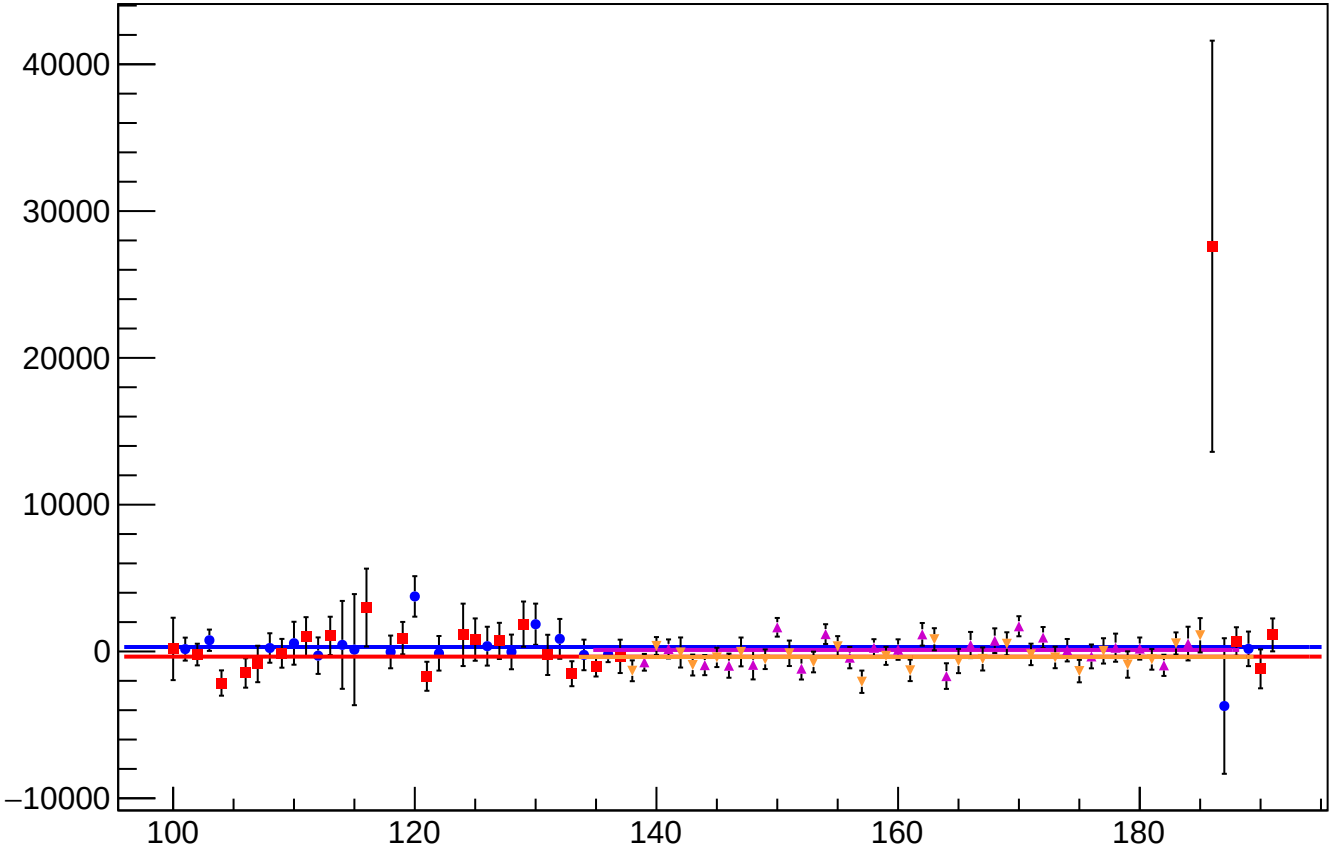
Left In: 667.342+/-0.111 χ^2/NDF:546905.8/22

+ sign 681.722+/-0.094 χ^2/NDF: 1357134.1/42

All: 679.036+/-0.066 χ^2/NDF: 3520633.5/88

- sign 676.392+/-0.093 χ^2/NDF: 2161869.1/45

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: -351.125+/-234.033 χ^2/NDF: 26.9/22

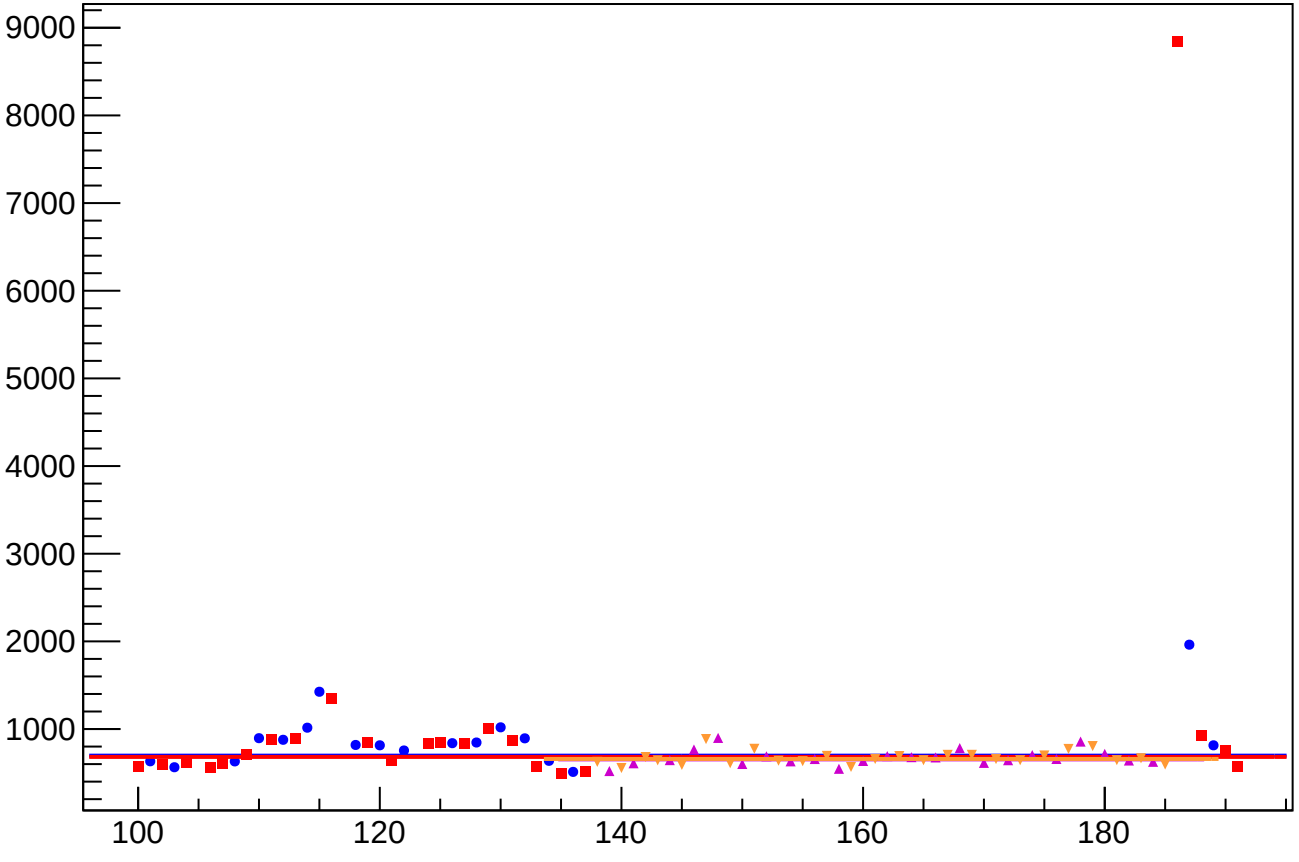
Left In: 103.321+/-154.335 χ^2/NDF:35.5/22

+ sign -201.125+/-129.985 χ^2/NDF: 37.2/42

All: -117.032+/-91.506 χ^2/NDF: 103.0/88

- sign -34.413+/-128.842 χ^2/NDF: 65.0/45

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

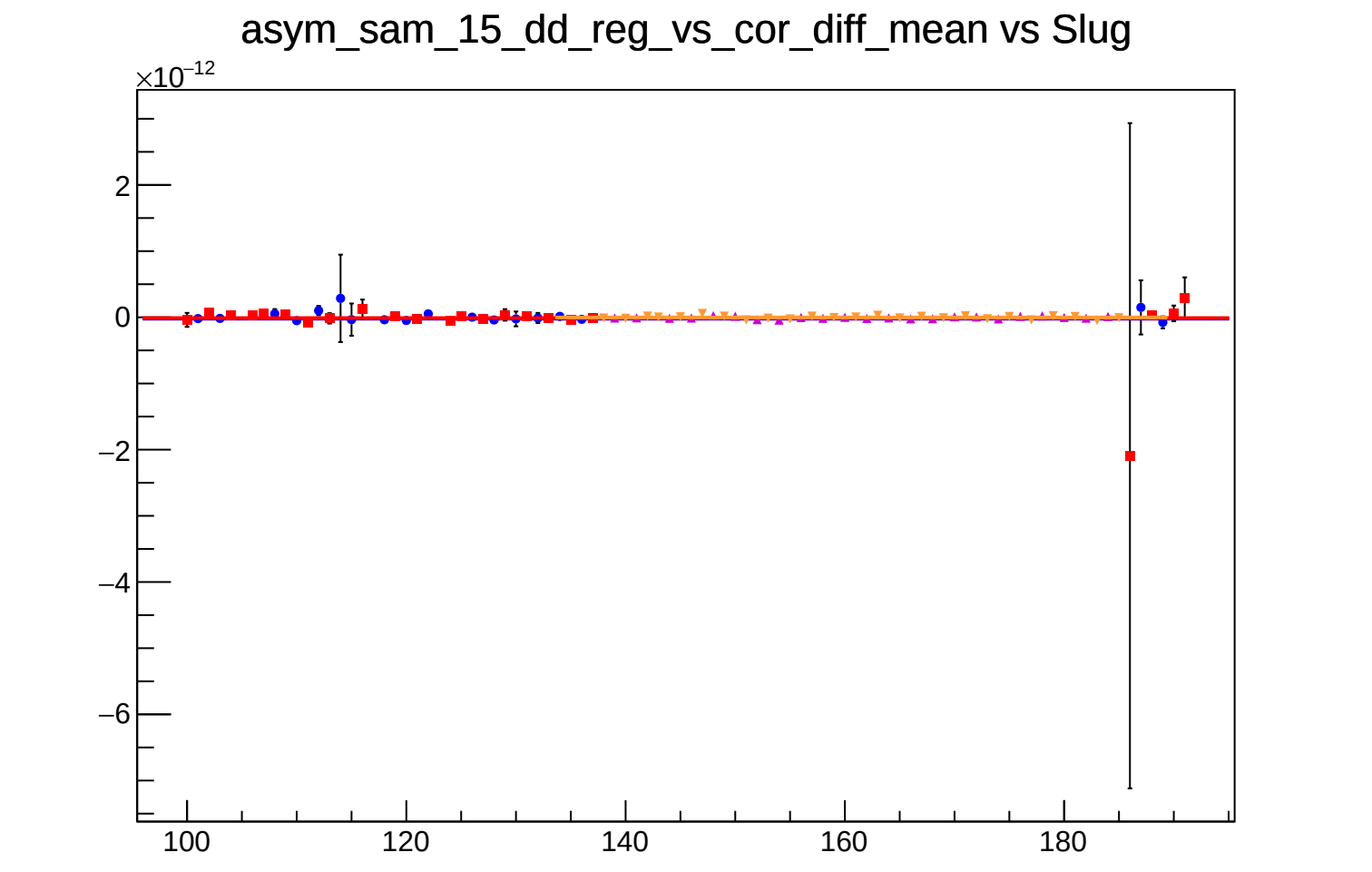
Right Out: 682.086+/-0.165 χ^2/NDF: 1611658.3/22

Left In: 653.950+/-0.109 χ^2/NDF:542078.1/22

+ sign 668.407+/-0.092 χ^2/NDF: 1364580.0/42

All: 665.416+/-0.065 χ^2/NDF: 3540561.6/88

- sign 662.478+/-0.091 χ^2/NDF: 2173882.4/45



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/17

Left Out: -0.000+/-0.000 χ^2/NDF:31.8/24

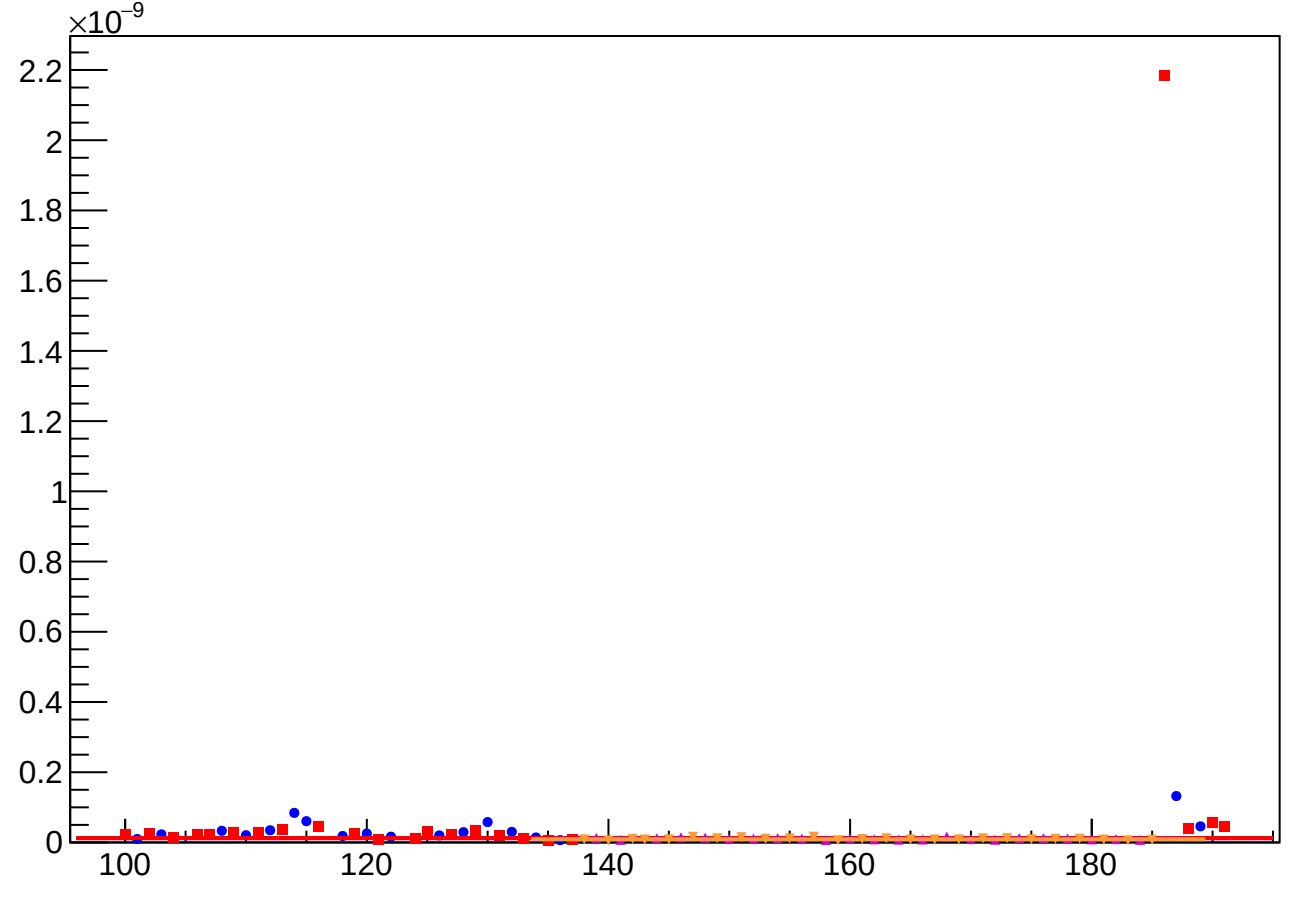
Right Out: -0.000+/-0.000 χ^2/NDF: 19.1/22

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: 82.8/88

- sign -0.000+/-0.000 χ^2/NDF: 34.9/45



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: 3273307.1/22

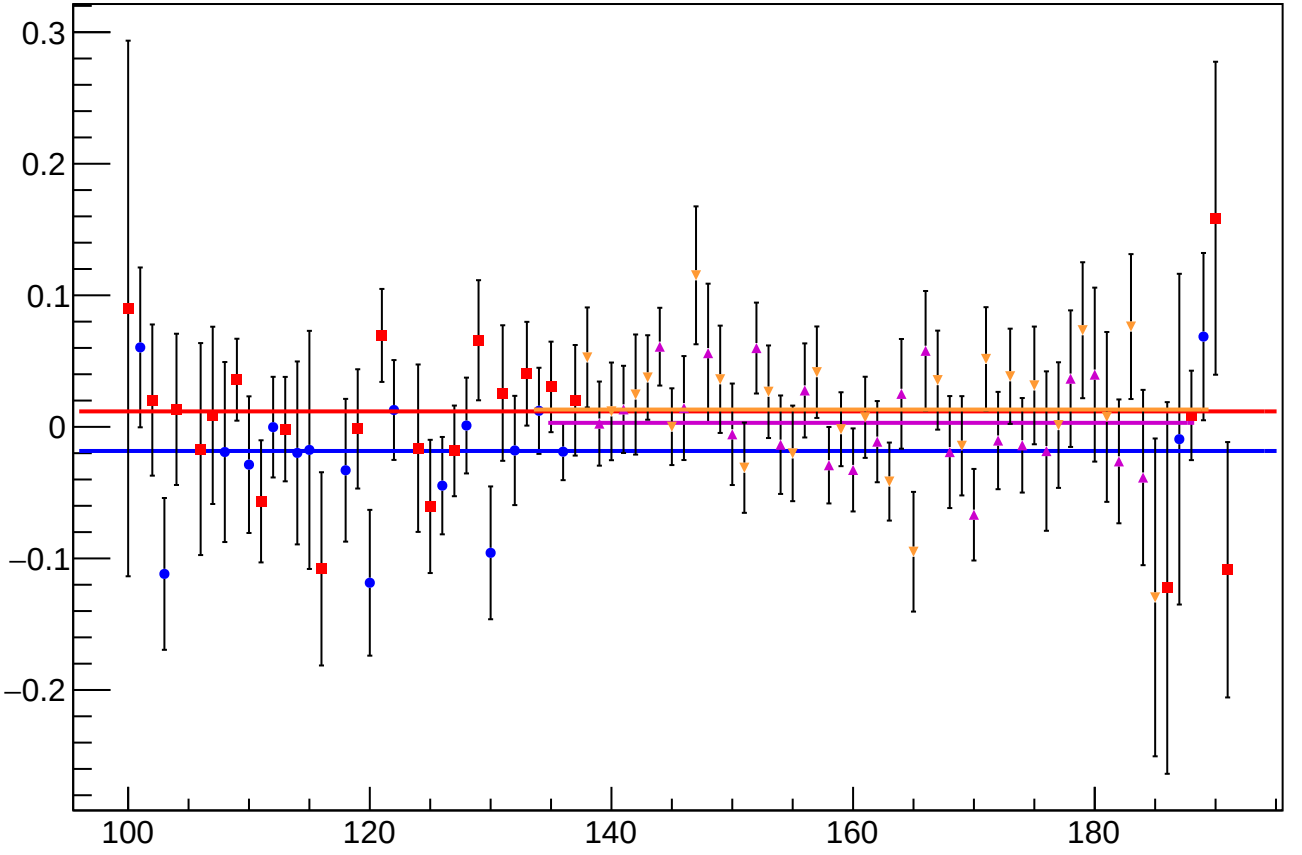
Left In: 0.000+/-0.000 χ^2/NDF:659247.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 3918098.4/42

All: 0.000+/-0.000 χ^2/NDF: 8134167.4/88

- sign 0.000+/-0.000 χ^2/NDF: 4083580.0/45

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: 17.9/22

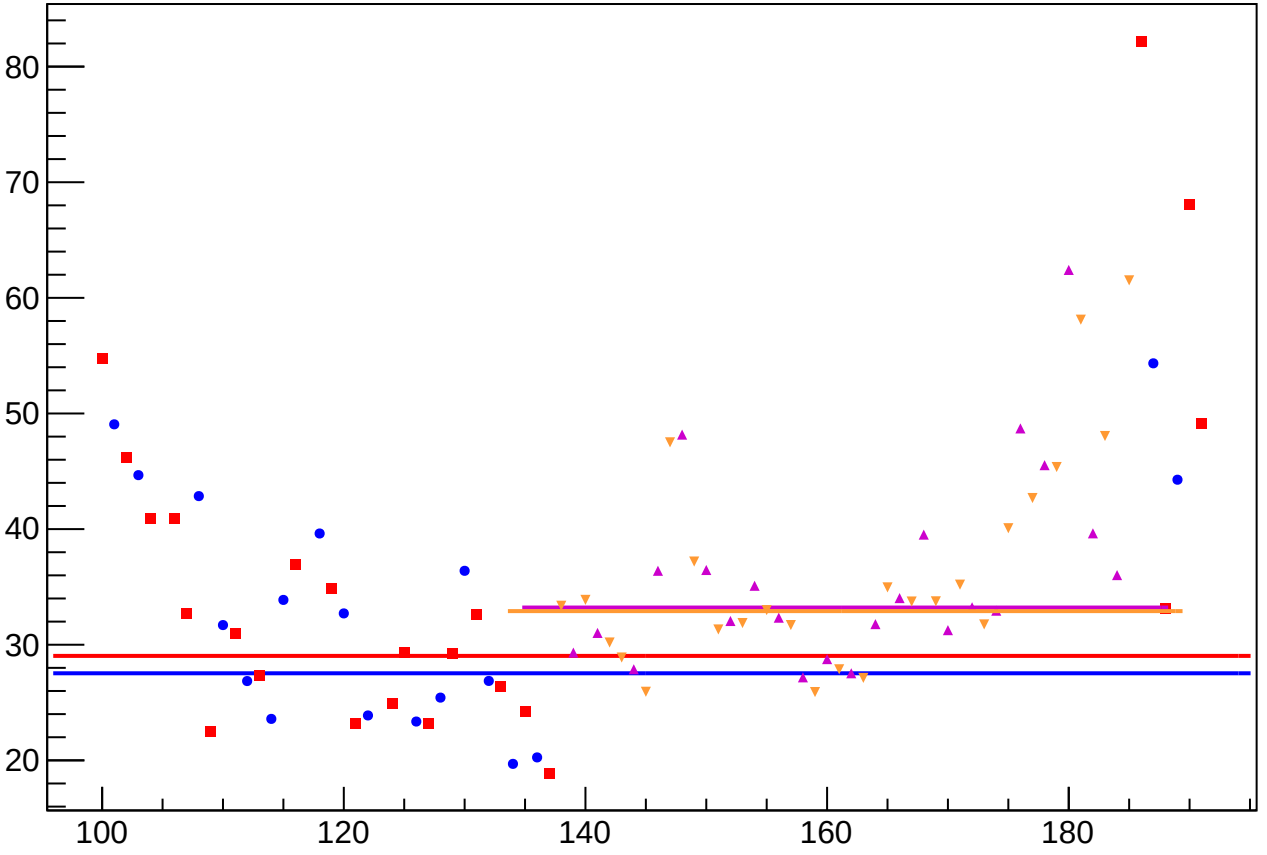
Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.002+/-0.006 χ^2/NDF: 45.8/42

All: 0.004+/-0.004 χ^2/NDF: 83.6/88

- sign 0.006+/-0.006 χ^2/NDF: 37.6/45

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

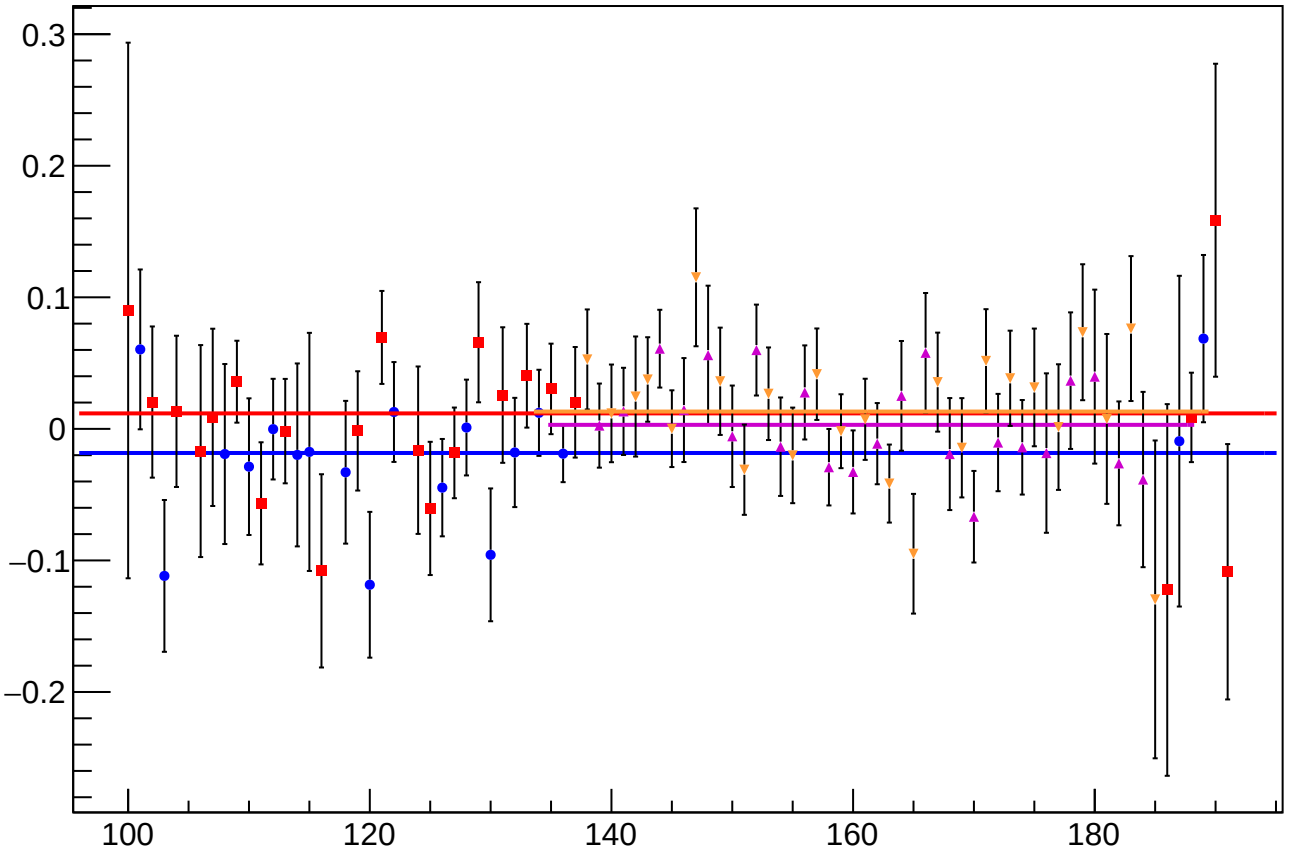
Right Out: 29.035+/-0.007 χ^2/NDF: 1402891.4/22

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

+ sign 30.994+/-0.004 χ^2/NDF: 3134464.5/42

All: 31.287+/-0.003 χ^2/NDF: 5983123.2/88

- sign 31.585+/-0.004 χ^2/NDF: 2839559.2/45



Right In: -0.018+/-0.010 χ^2/NDF: 14.5/17

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

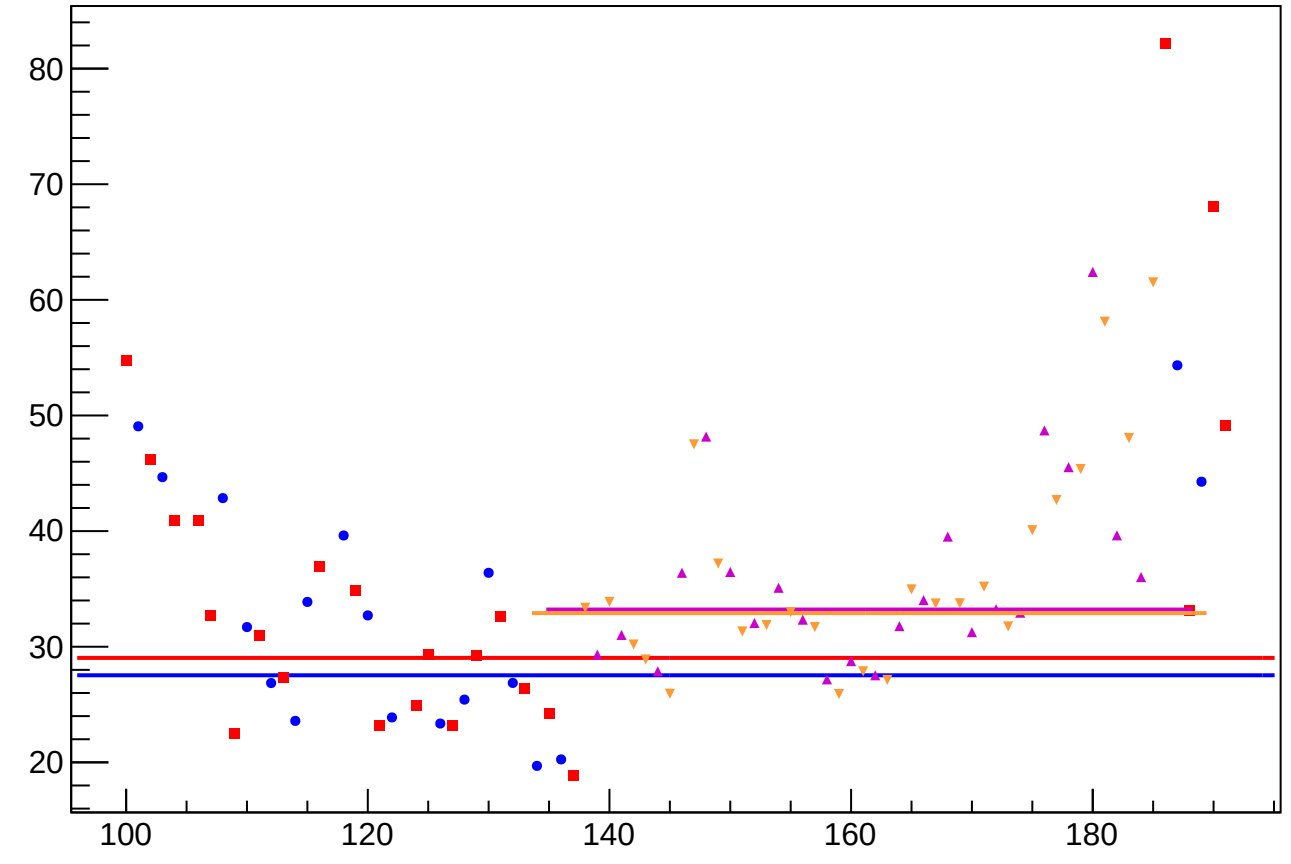
Right Out: 0.012+/-0.010 χ^2/NDF: 17.9/22

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: 83.6/88

- sign 0.006+/-0.006 χ^2/NDF: 37.6/45



Right In: 27.531+/-0.007 χ^2/NDF: 1357715.2/17

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

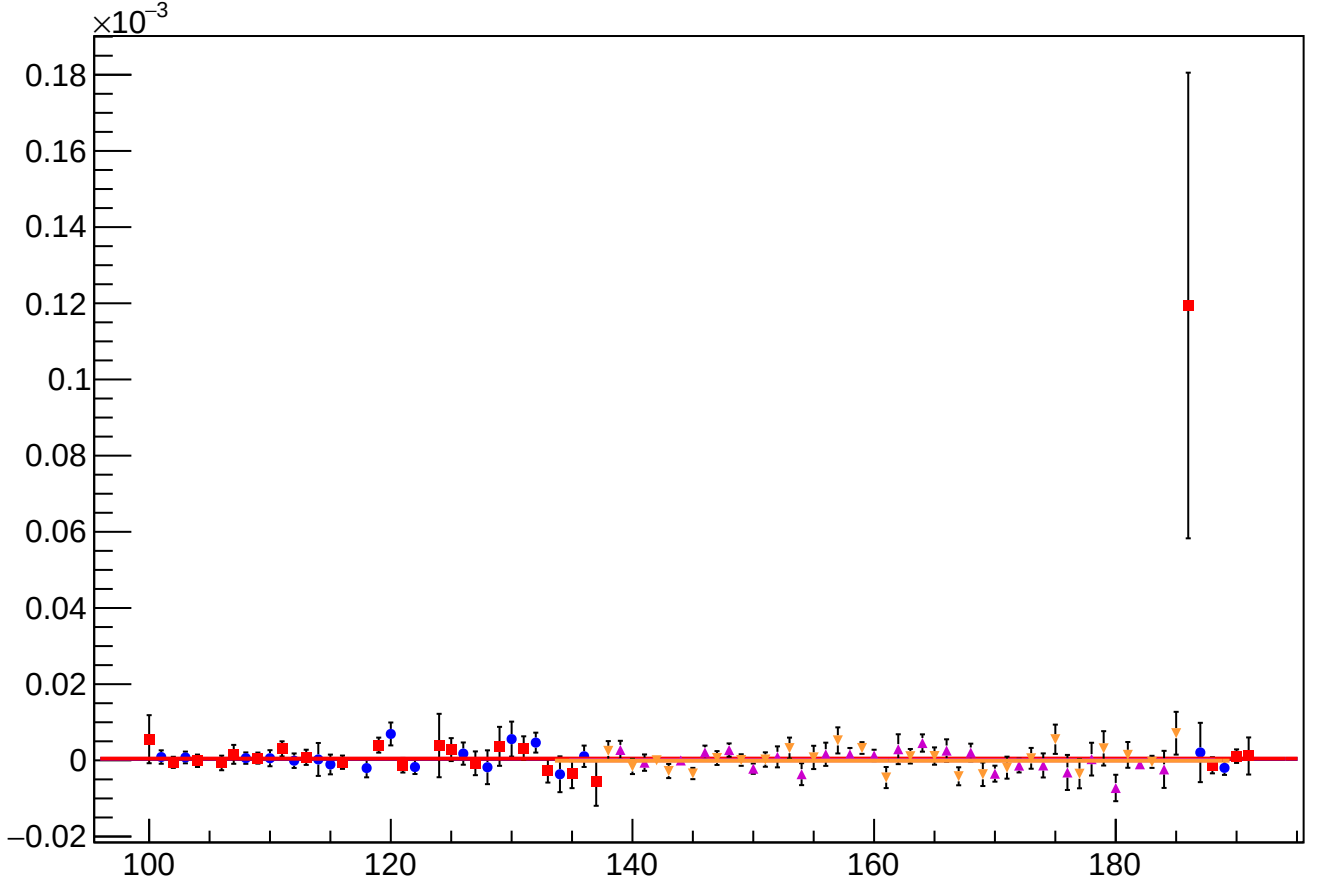
Right Out: 29.035+/-0.007 χ^2/NDF: 1402891.4/22

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

+ sign 30.994+/-0.004 χ^2/NDF: 3134464.5/42

All: 31.287+/-0.003 χ^2/NDF: 5983123.2/88

- sign 31.585+/-0.004 χ^2/NDF: 2839559.2/45



Right In: 0.000+/-0.000 χ^2/NDF: 14.5/17

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

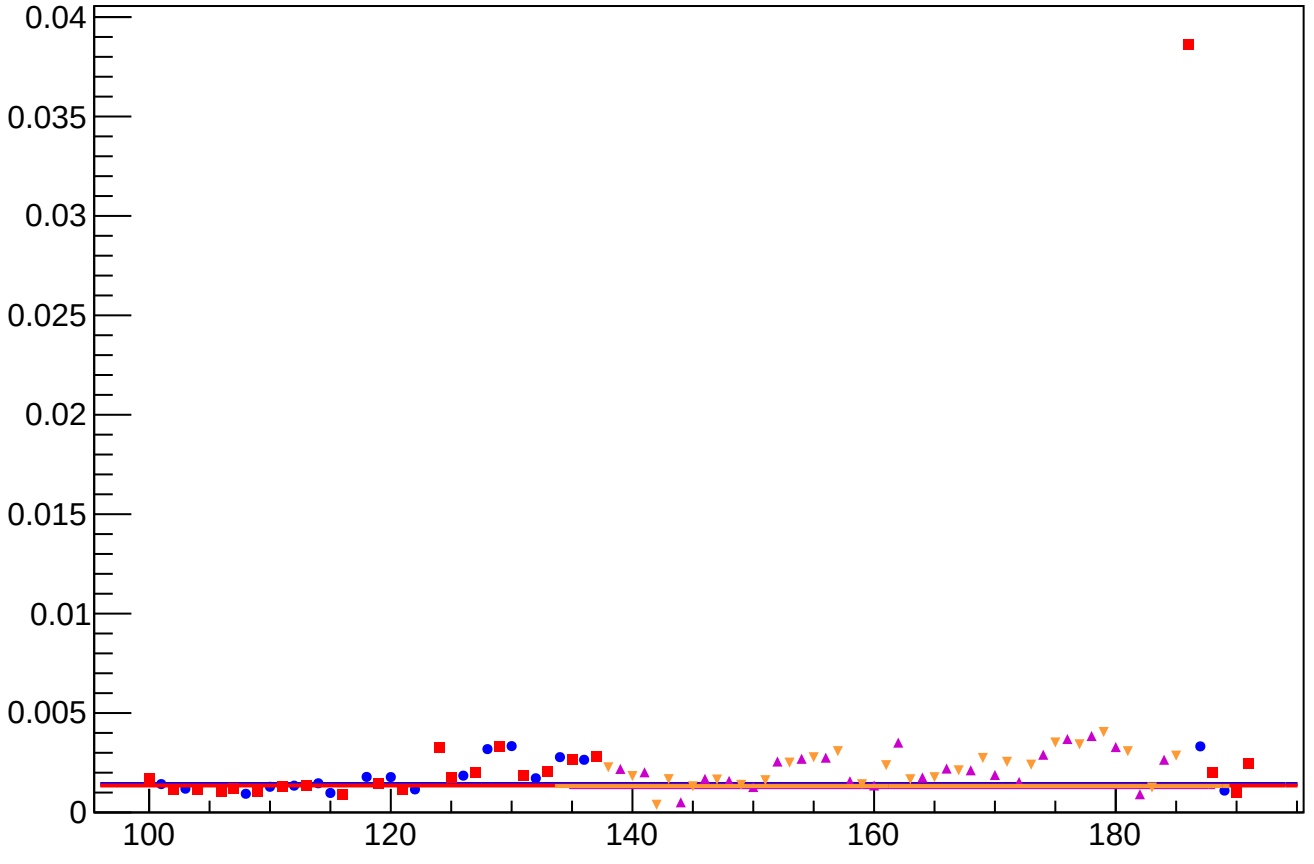
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/22

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: 91.4/88

- sign 0.000+/-0.000 χ^2/NDF: 45.3/45



Right In: 0.001+/-0.000 χ^2/NDF: 1895664.1/17

Left Out: 0.001+/-0.000 χ^2/NDF:11159347.0/24

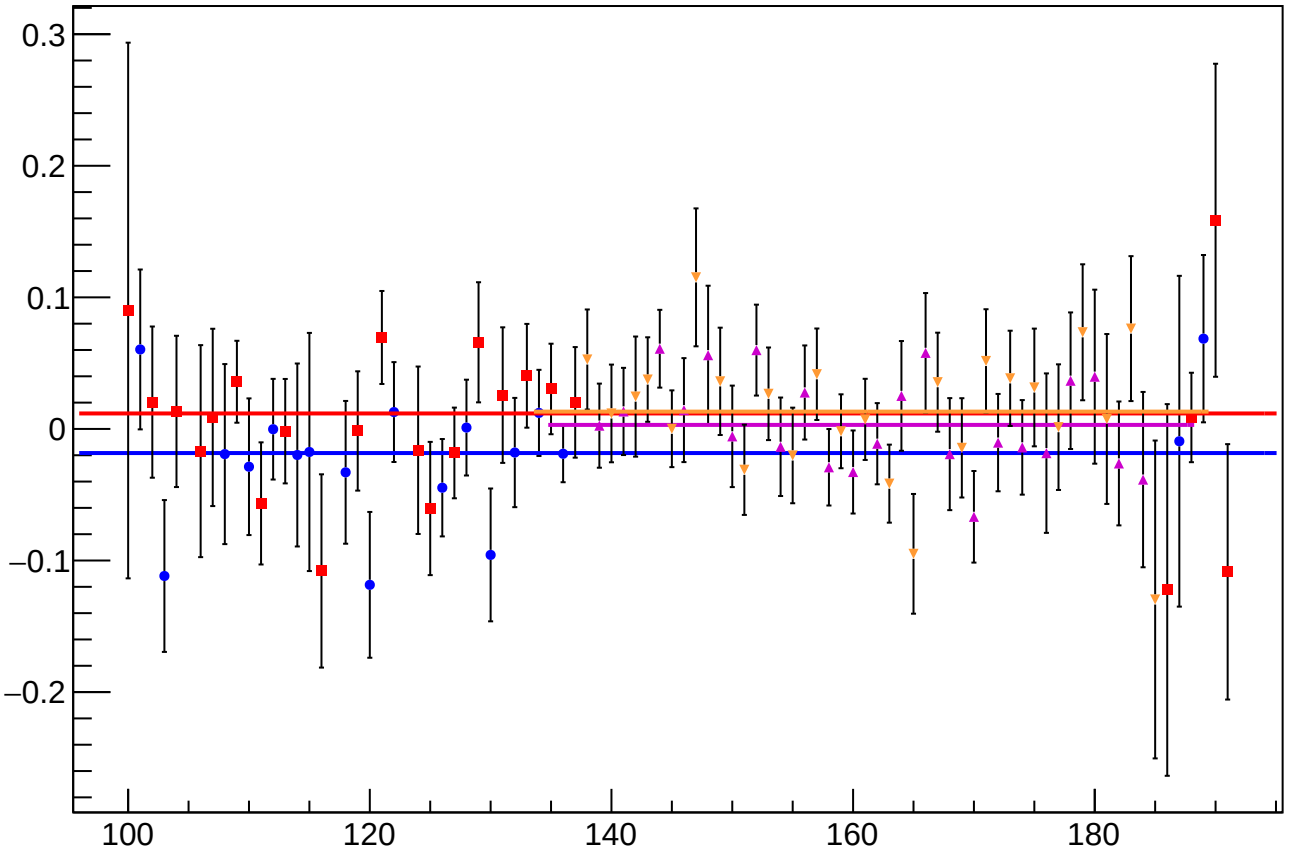
Right Out: 0.001+/-0.000 χ^2/NDF: 2532602.9/22

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: 25589554.4/88

- sign 0.001+/-0.000 χ^2/NDF: 12449209.6/45



Right In: -0.018+/-0.010 χ^2/NDF: 14.5/17

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

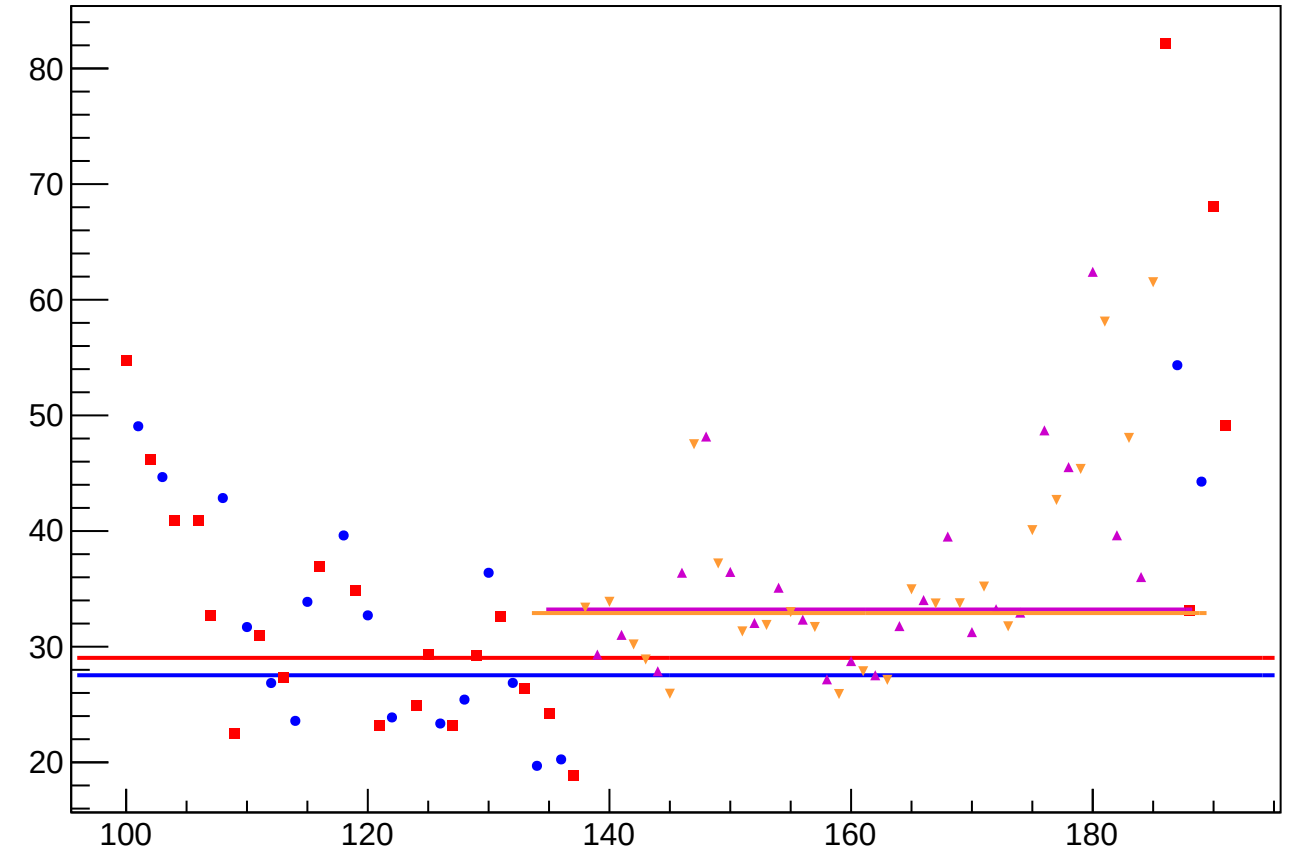
Right Out: 0.012+/-0.010 χ^2/NDF: 17.9/22

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: 83.6/88

- sign 0.006+/-0.006 χ^2/NDF: 37.6/45



Right In: 27.530+/-0.007 χ^2/NDF: 1357780.4/17

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

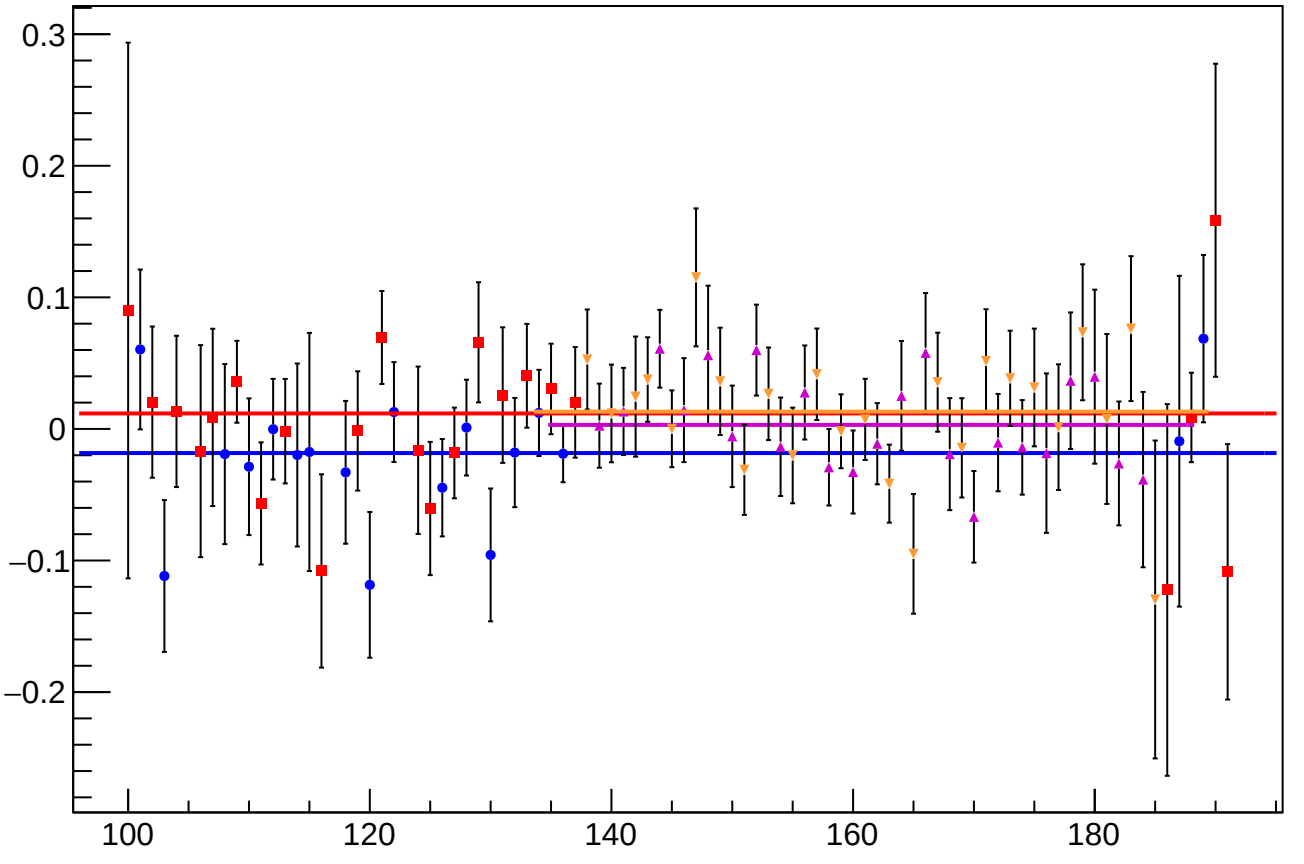
Right Out: 29.033+/-0.007 χ^2/NDF: 1403010.7/22

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

+ sign 30.994+/-0.004 χ^2/NDF: 3134715.4/42

All: 31.287+/-0.003 χ^2/NDF: 5983697.9/88

- sign 31.584+/-0.004 χ^2/NDF: 2839886.4/45



Right In: -0.018+/-0.010 χ^2/NDF: 14.5/17

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

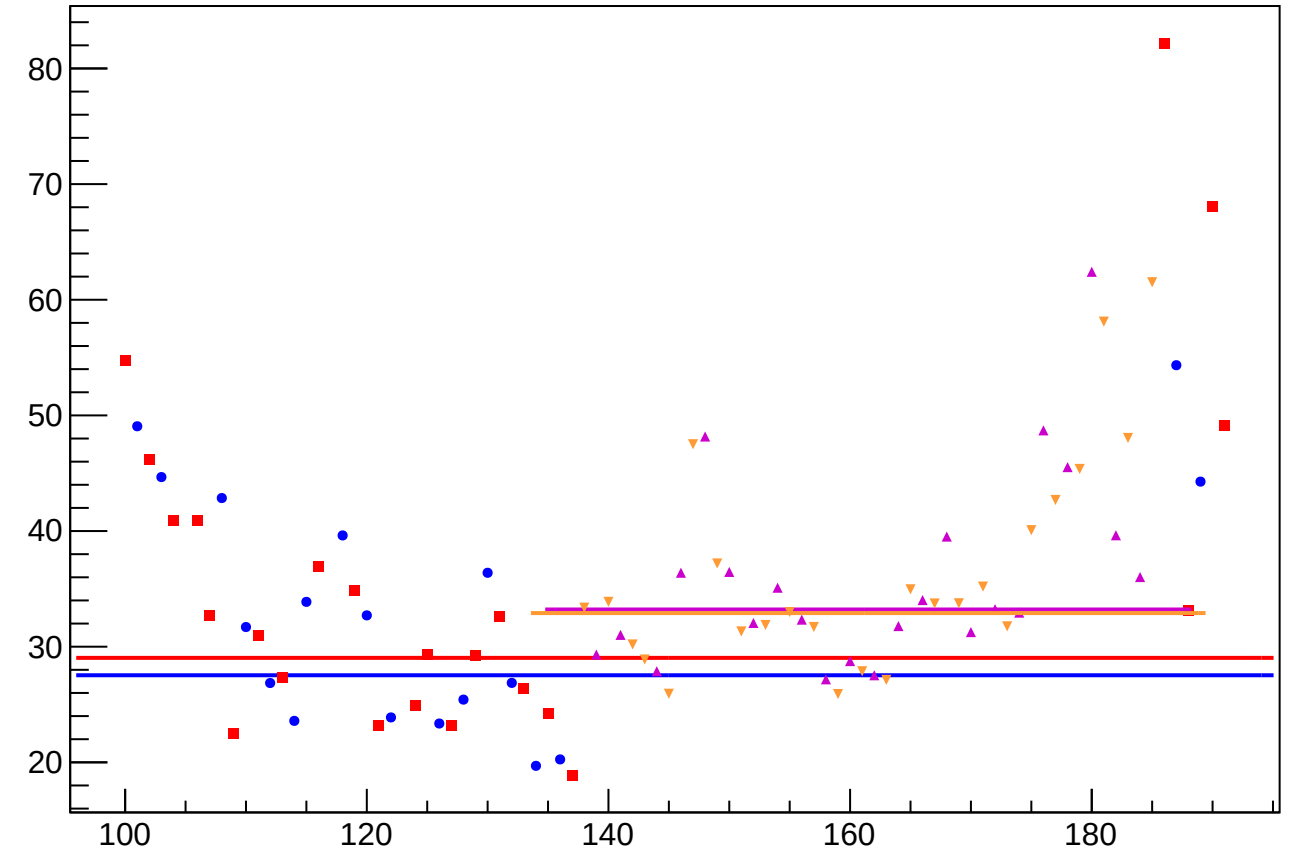
Right Out: 0.012+/-0.010 χ^2/NDF: 17.9/22

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: 83.6/88

- sign 0.006+/-0.006 χ^2/NDF: 37.6/45



Right In: 27.530+/-0.007 χ^2/NDF: 1357780.4/17

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

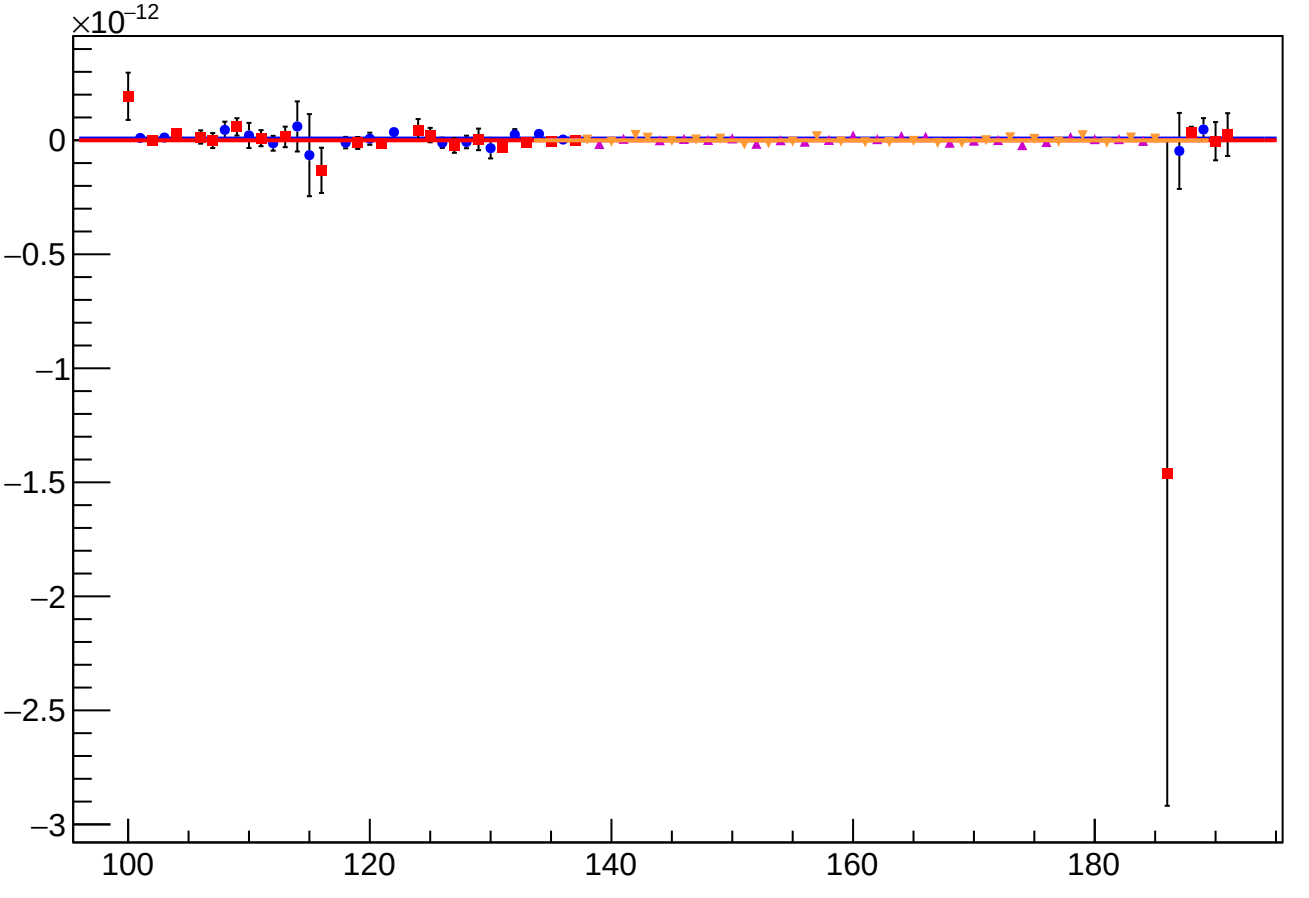
Right Out: 29.033+/-0.007 χ^2/NDF: 1403010.7/22

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

\+ sign 30.994+/-0.004 χ^2/NDF: 3134715.4/42

All: 31.287+/-0.003 χ^2/NDF: 5983697.9/88

\- sign 31.584+/-0.004 χ^2/NDF: 2839886.4/45



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/17

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

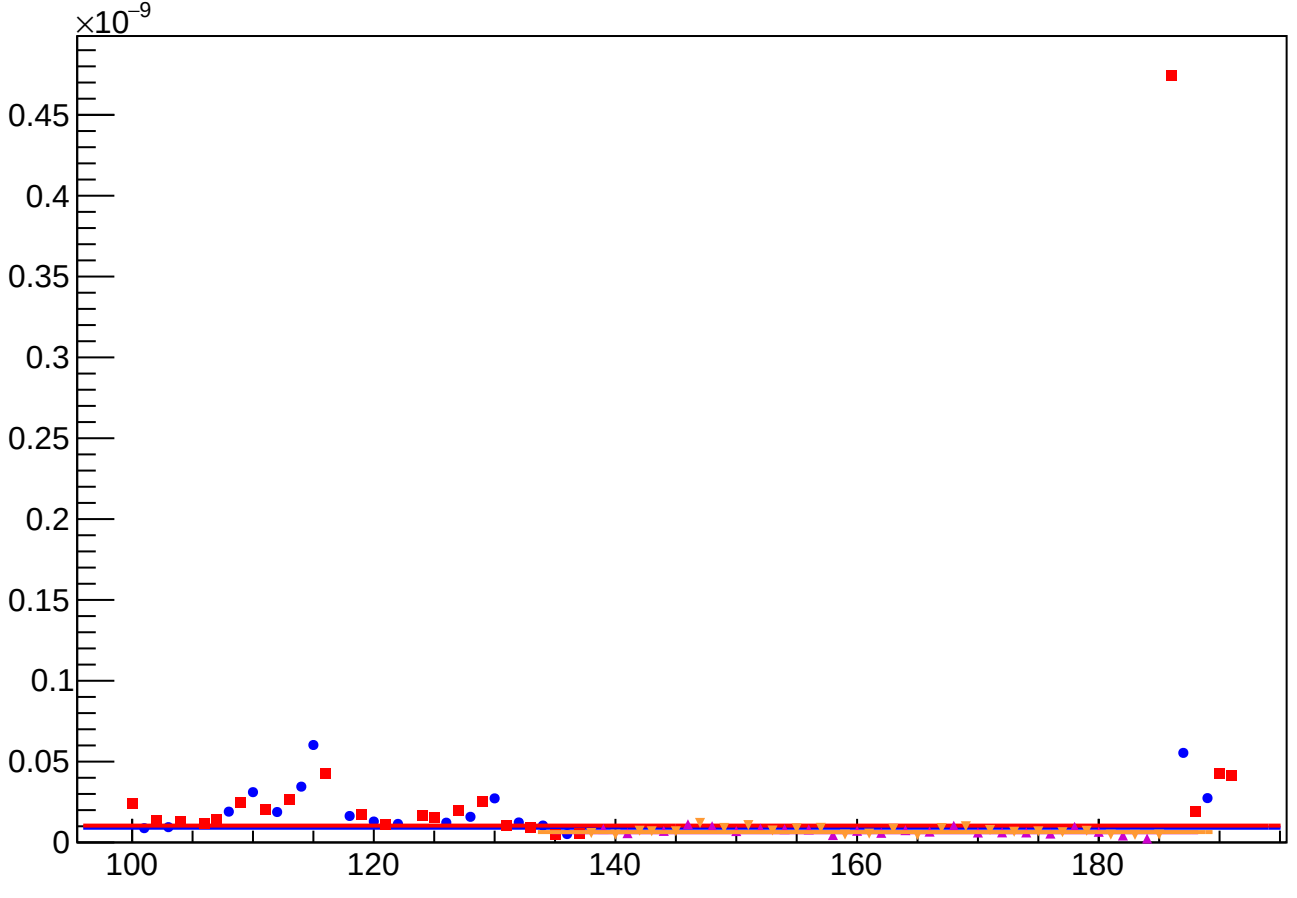
Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/22

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: 85.9/88

- sign 0.000+/-0.000 χ^2/NDF: 43.3/45



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: 3617580.4/22

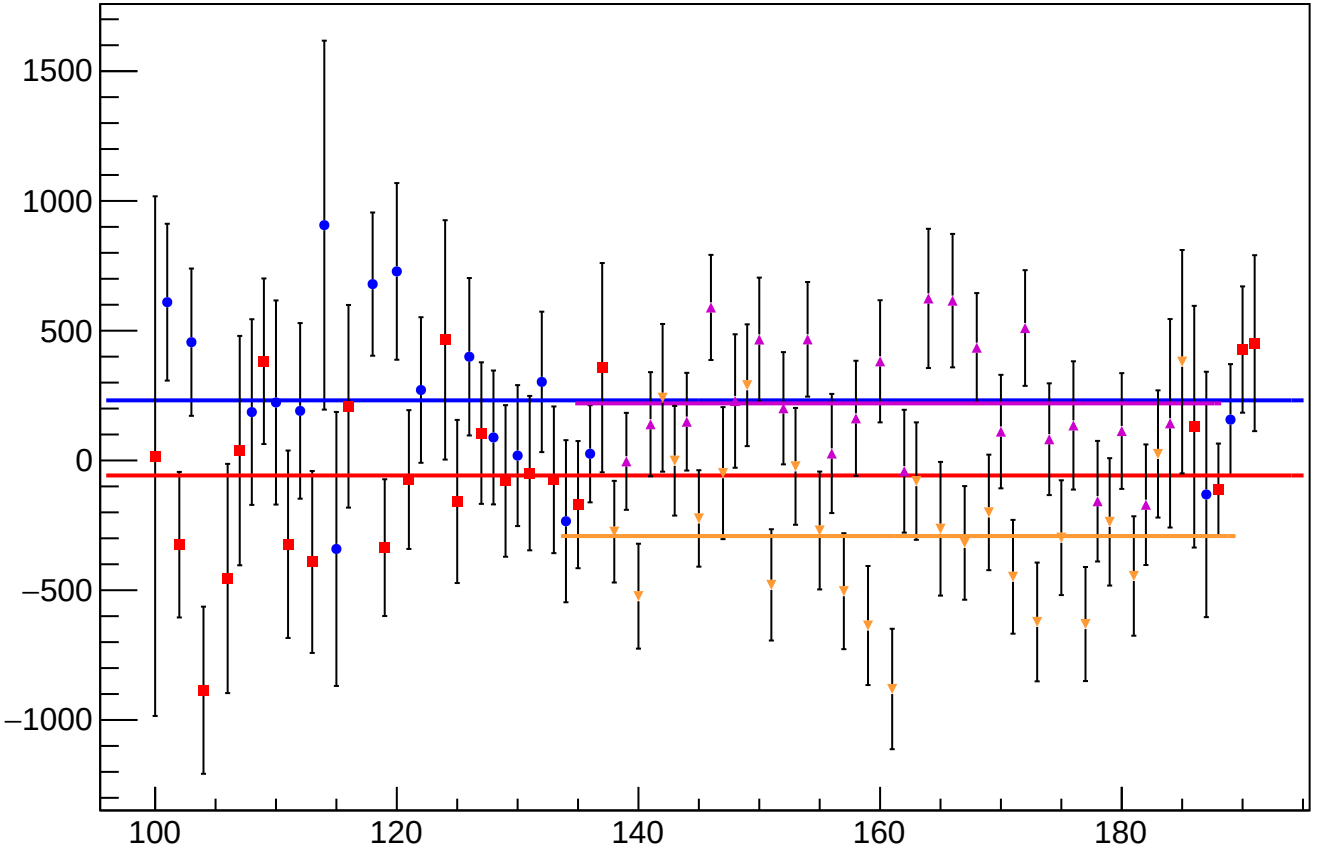
Left In: 0.000+/-0.000 χ^2/NDF:2127144.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 5313694.1/42

All: 0.000+/-0.000 χ^2/NDF: 12315741.7/88

- sign 0.000+/-0.000 χ^2/NDF: 7000907.0/45

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: -57.869+/-64.167 χ^2/NDF: 22.8/22

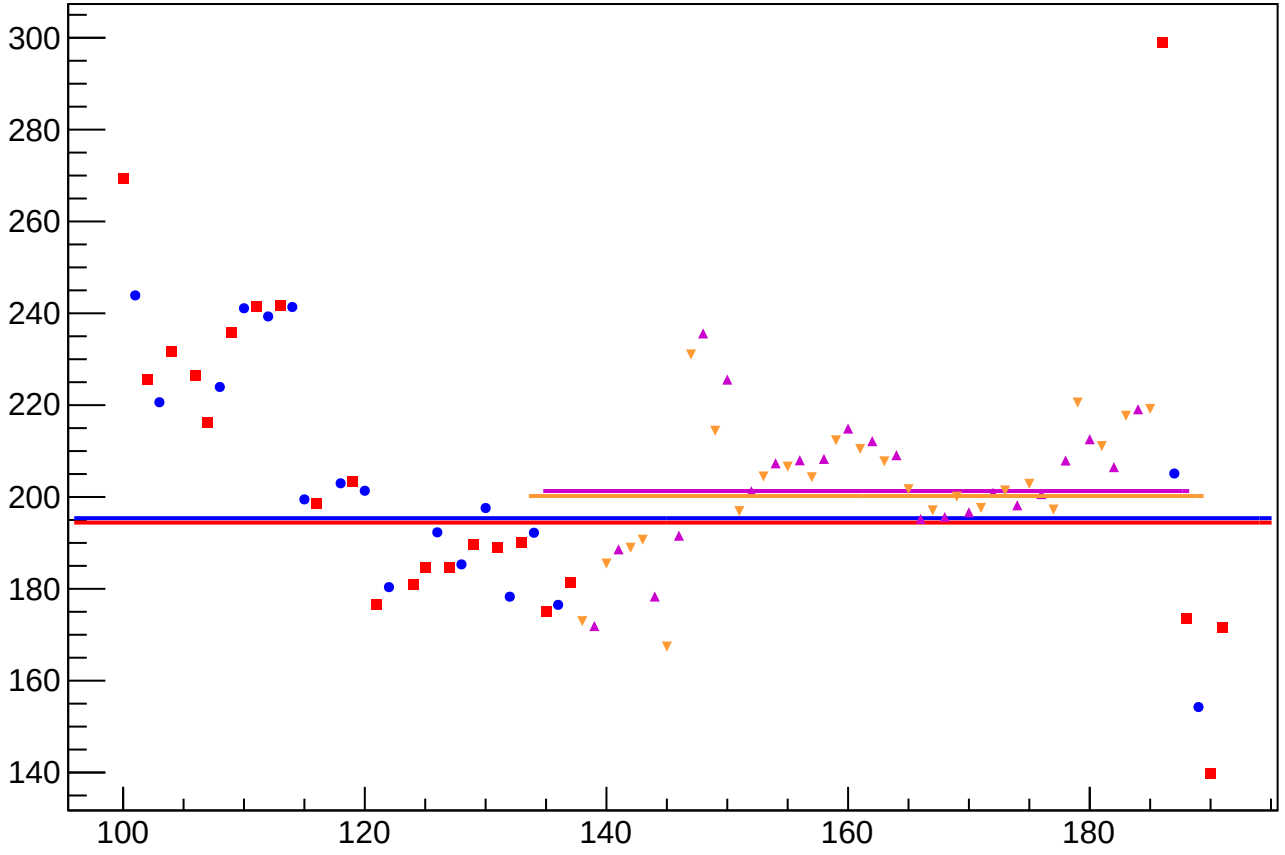
Left In: 219.974+/-47.146 χ^2/NDF:23.7/22

+ sign -135.151+/-38.200 χ^2/NDF: 90.1/42

All: -5.593+/-26.938 χ^2/NDF: 171.7/88

- sign 122.568+/-37.993 χ^2/NDF: 58.7/45

reg_asym_sam_26_dd_rms vs Slug



Right In: 195.386+/-0.049 χ^2/NDF: 263895.1/17

Left Out: 200.210+/-0.032 χ^2/NDF:204393.9/24

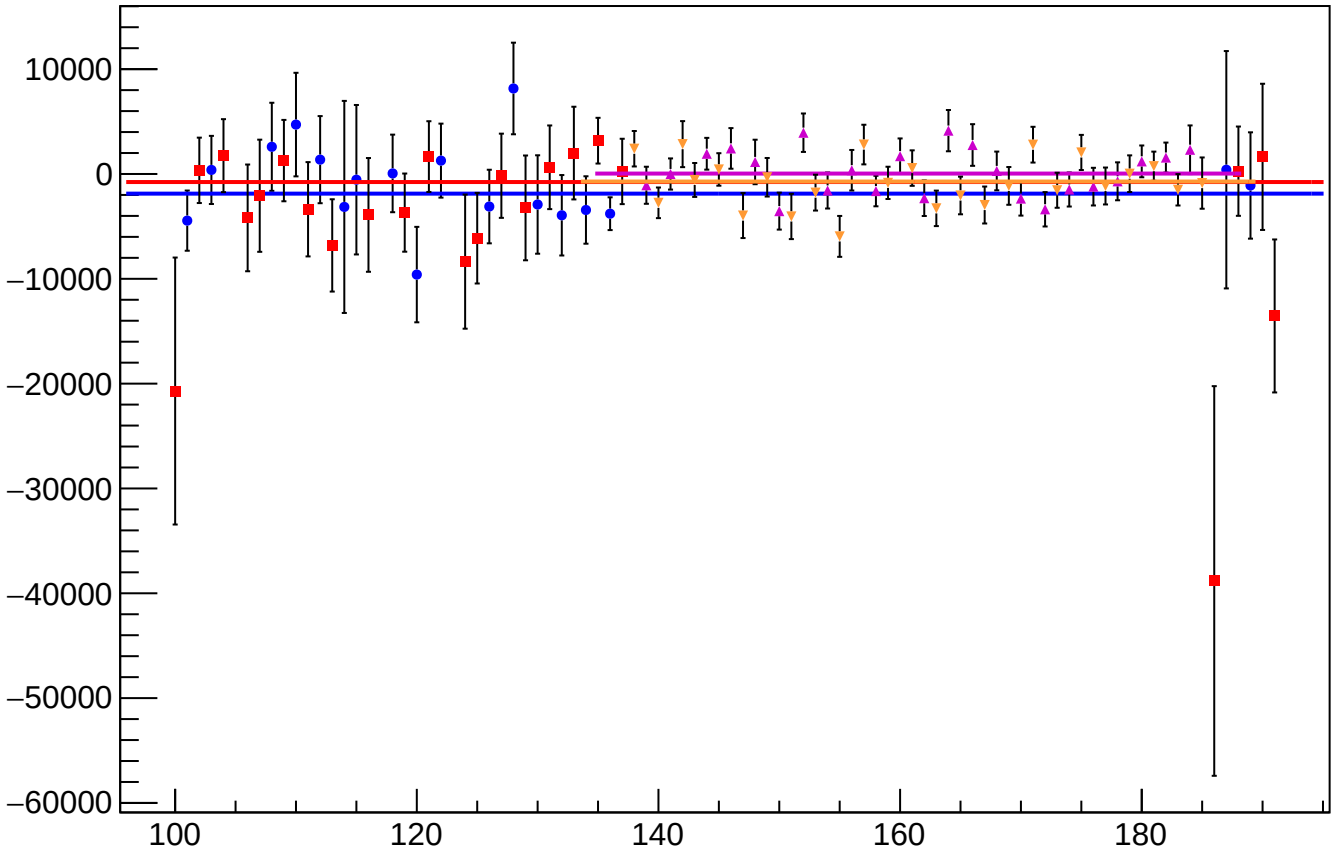
Right Out: 194.424+/-0.045 χ^2/NDF: 454250.0/22

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 198.769+/-0.027 χ^2/NDF: 474969.1/42

All: 198.829+/-0.019 χ^2/NDF: 1125778.7/88

- sign 198.888+/-0.027 χ^2/NDF: 650799.9/45



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: -768.441+/-866.879 χ^2/NDF: 22.1/22

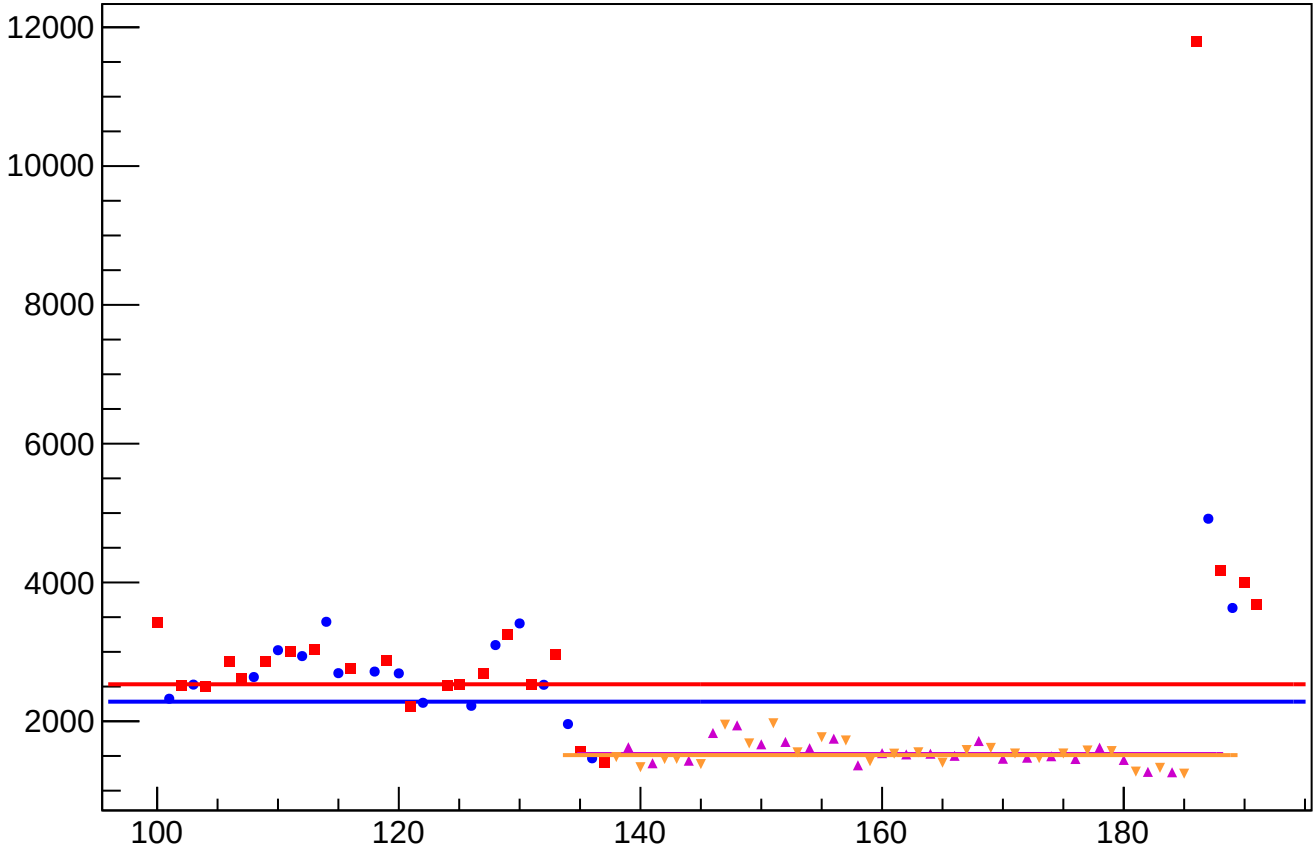
Left In: 39.277+/-359.265 χ^2/NDF:34.4/22

+ sign -886.856+/-320.476 χ^2/NDF: 56.2/42

All: -497.117+/-230.541 χ^2/NDF: 116.5/88

- sign -79.119+/-331.892 χ^2/NDF: 57.3/45

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: 2532.998+/-0.613 χ^2/NDF: 1775890.6/22

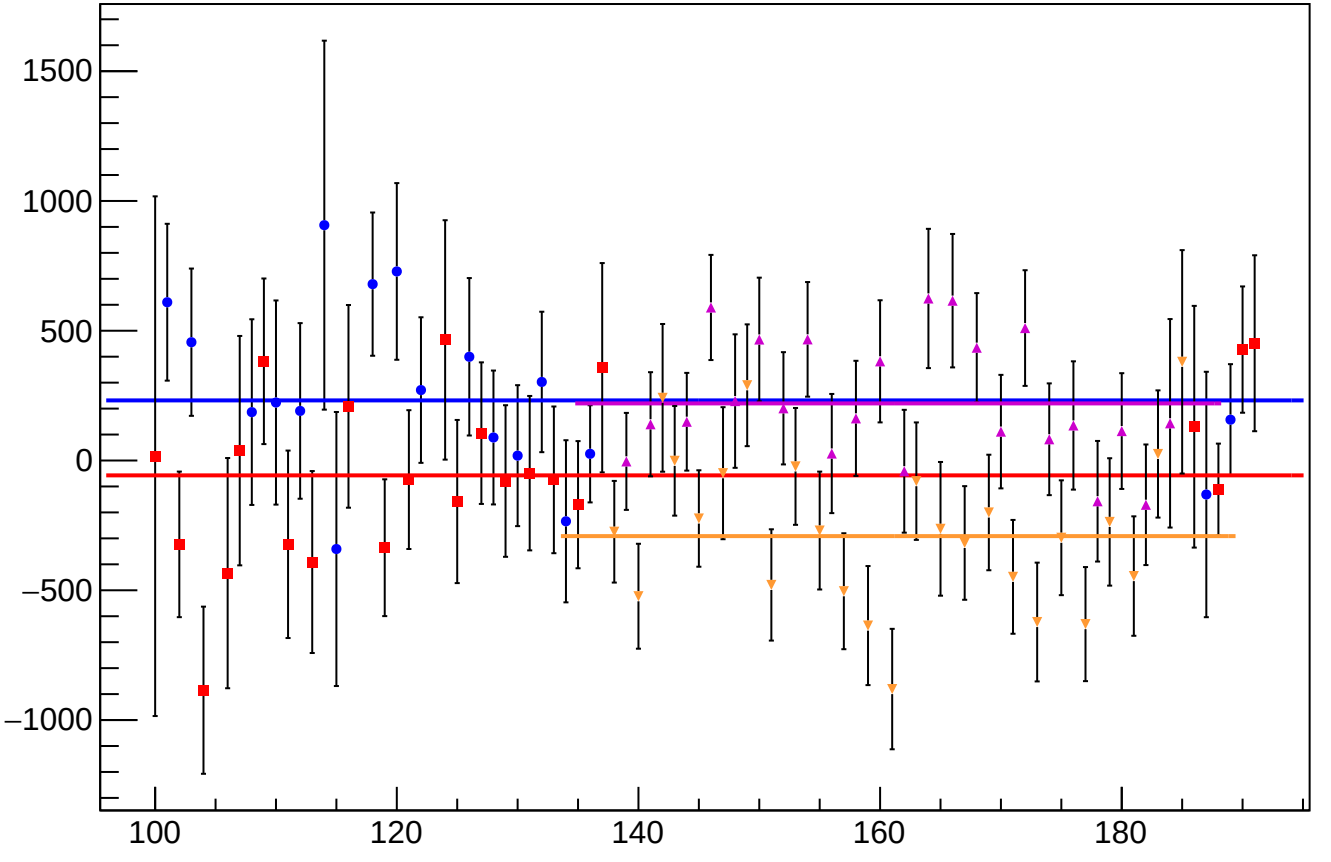
Left In: 1527.964+/-0.254 χ^2/NDF:373844.4/22

+ sign 1623.207+/-0.227 χ^2/NDF: 3070960.9/42

All: 1648.334+/-0.163 χ^2/NDF: 7540409.3/88

- sign 1675.282+/-0.235 χ^2/NDF: 4443968.3/45

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: -57.276+/-64.173 χ^2/NDF: 22.7/22

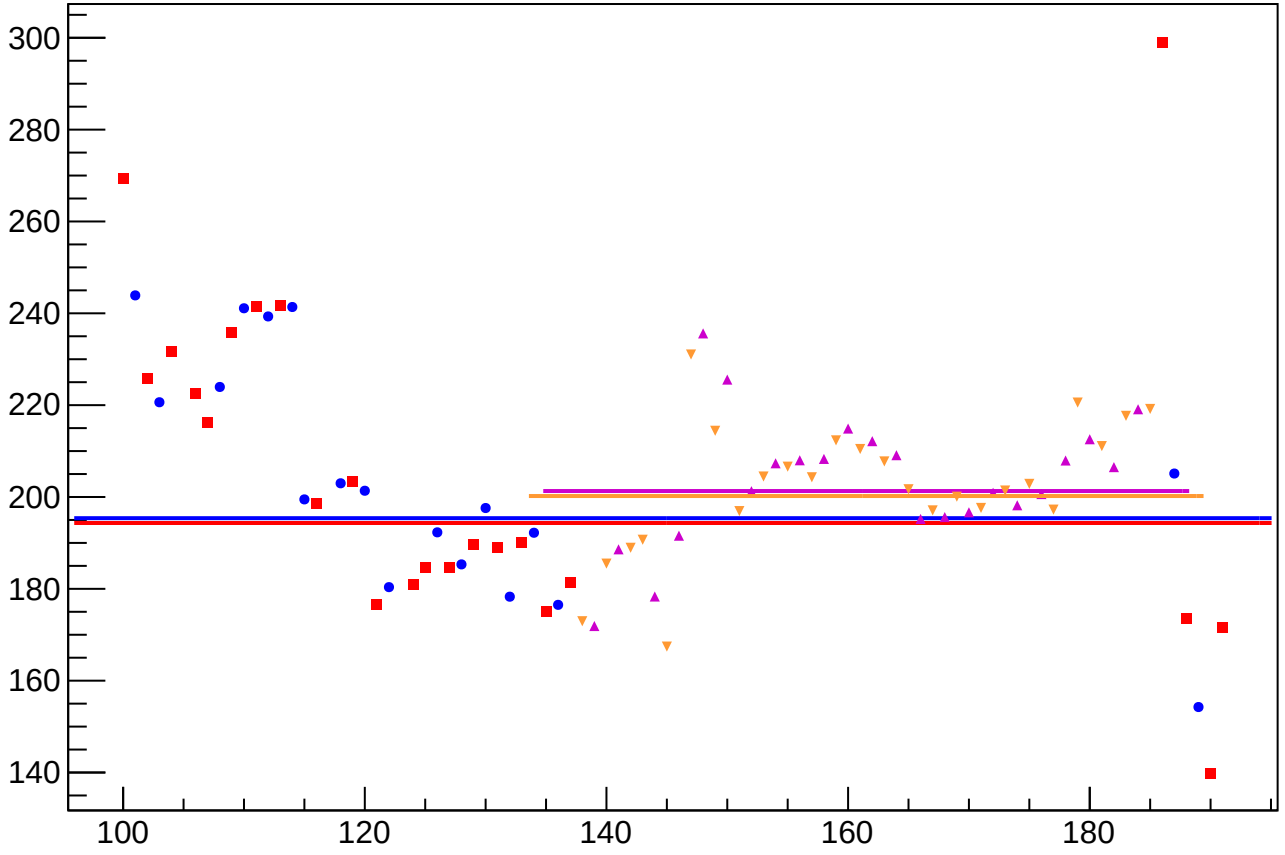
Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

+ sign -135.152+/-38.200 χ^2/NDF: 90.1/42

All: -5.484+/-26.938 χ^2/NDF: 171.6/88

- sign 122.794+/-37.994 χ^2/NDF: 58.6/45

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

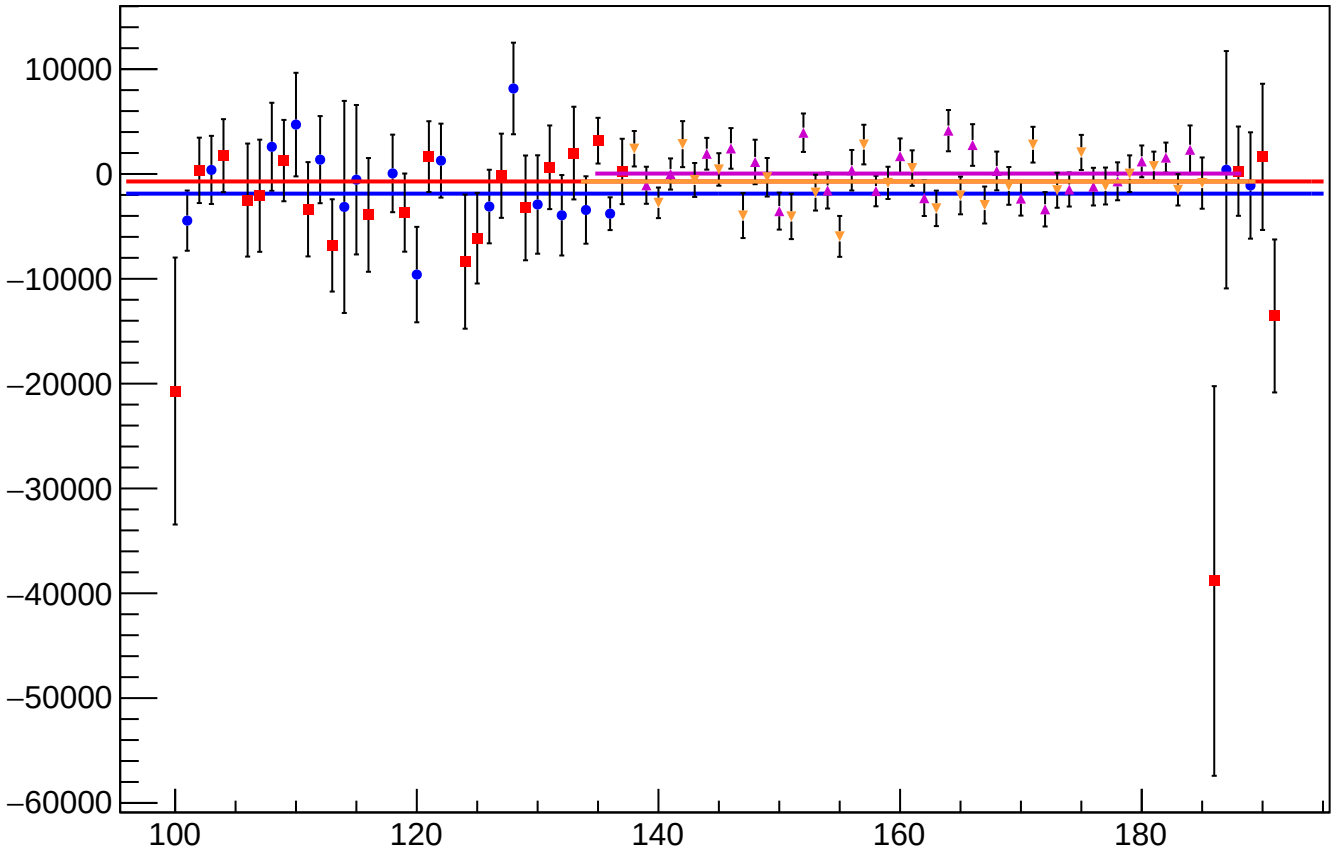
Right Out: 194.339+/-0.045 χ^2/NDF: 451844.0/22

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 198.769+/-0.027 χ^2/NDF: 474969.4/42

All: 198.814+/-0.019 χ^2/NDF: 1123739.5/88

- sign 198.858+/-0.027 χ^2/NDF: 648764.6/45



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: -713.793+/-868.273 χ^2/NDF: 21.8/22

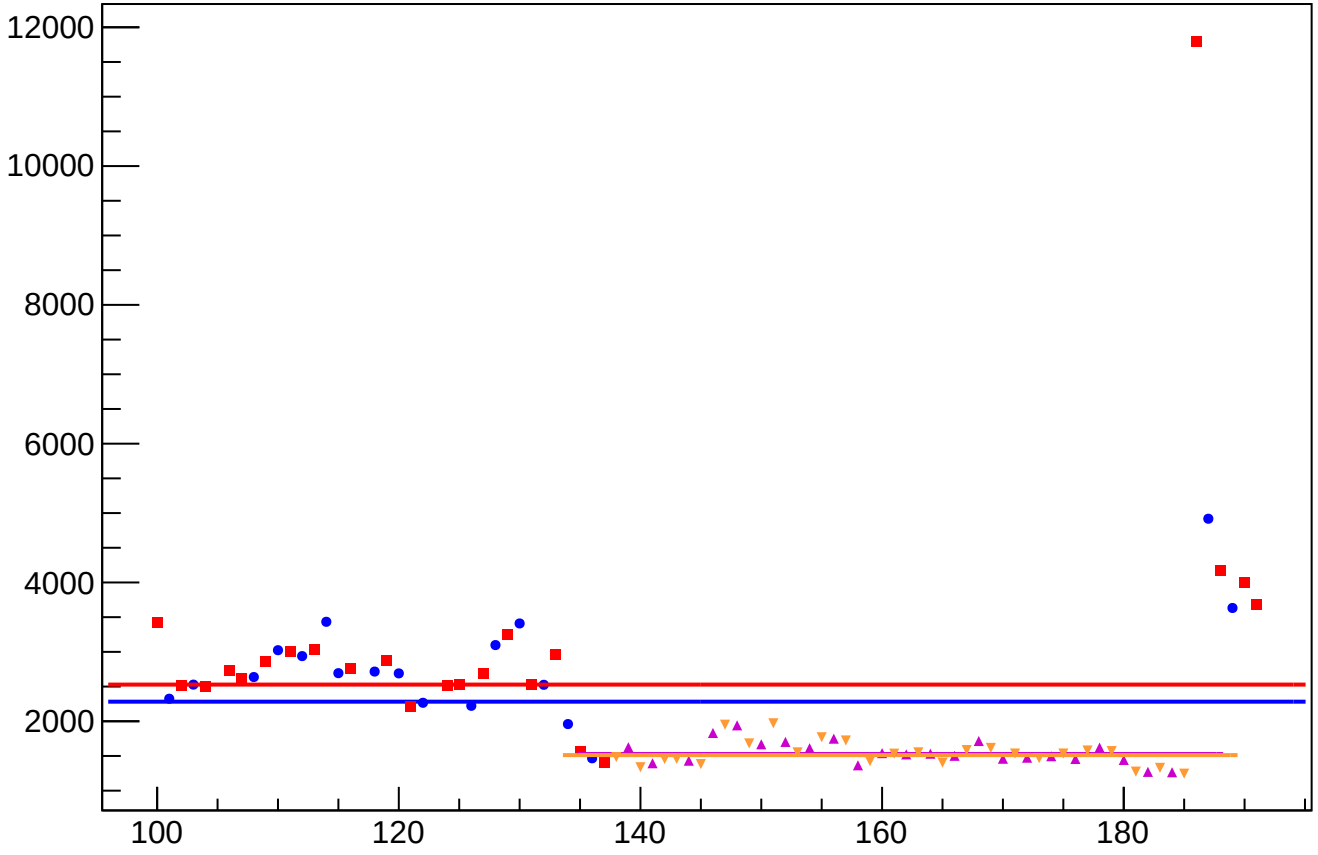
Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

+ sign -886.854+/-320.476 χ^2/NDF: 56.2/42

All: -493.202+/-230.567 χ^2/NDF: 116.2/88

- sign -70.808+/-331.970 χ^2/NDF: 56.8/45

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: 2528.483+/-0.614 χ^2/NDF: 1769909.9/22

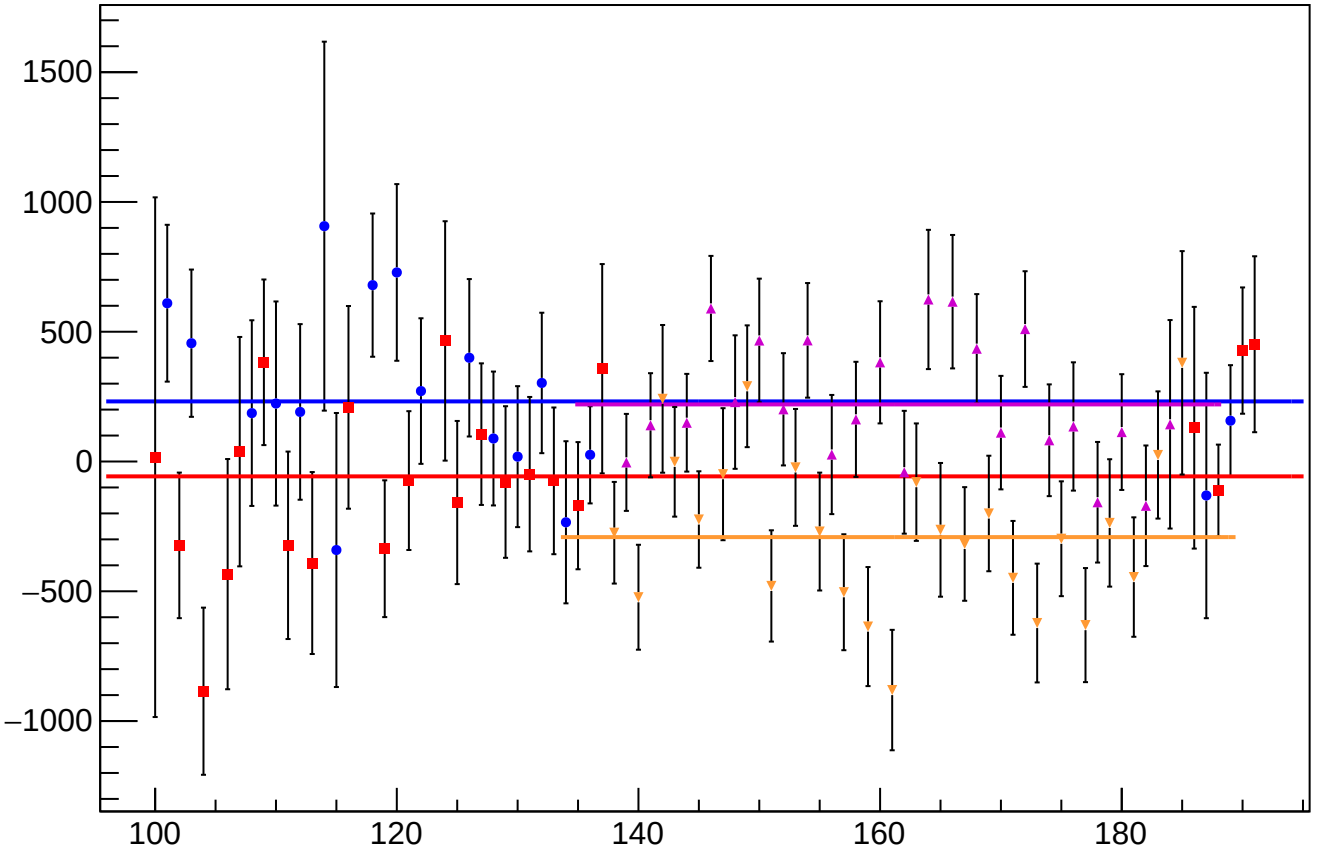
Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

+ sign 1623.208+/-0.227 χ^2/NDF: 3070974.4/42

All: 1647.815+/-0.163 χ^2/NDF: 7506607.9/88

- sign 1674.219+/-0.235 χ^2/NDF: 4411189.6/45

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: -57.276+/-64.173 χ^2/NDF: 22.7/22

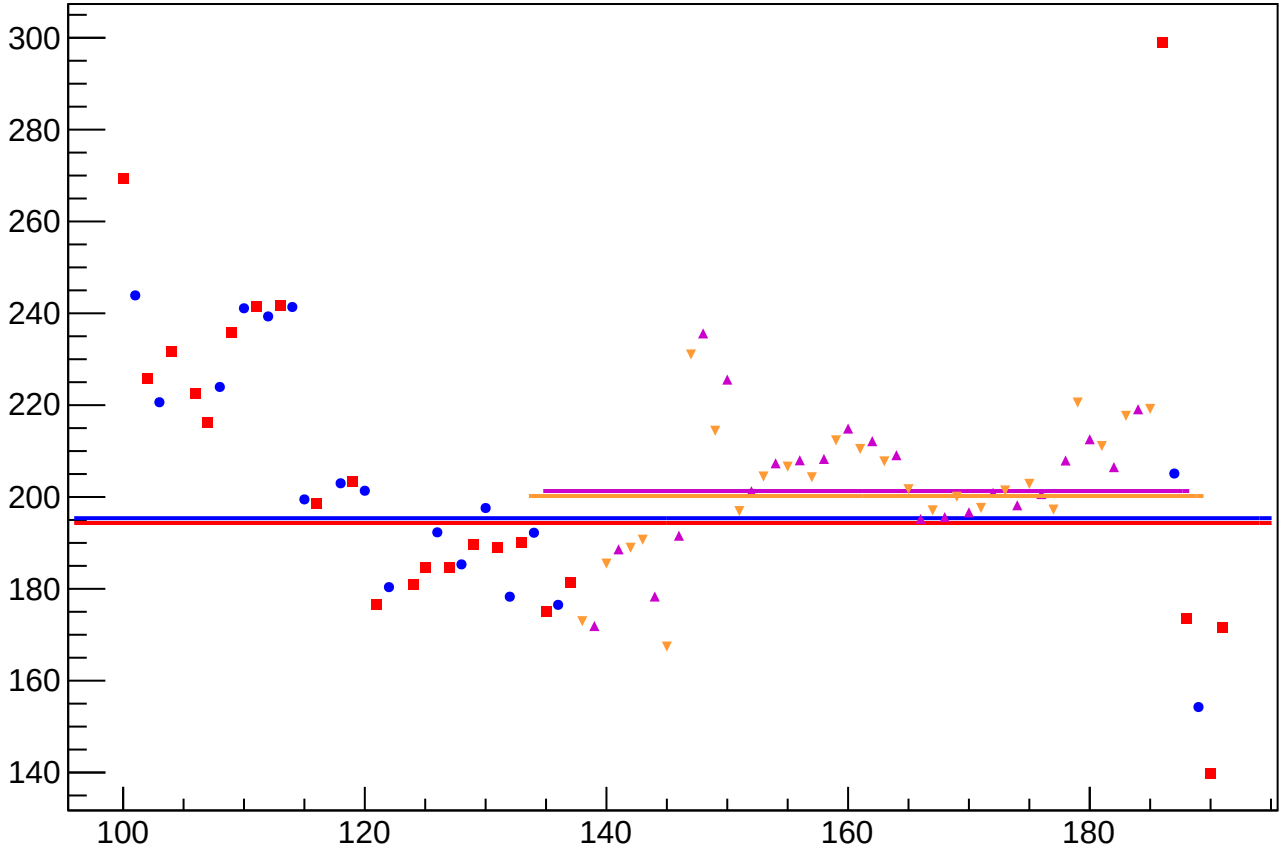
Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

+ sign -135.152+/-38.200 χ^2/NDF: 90.1/42

All: -5.484+/-26.938 χ^2/NDF: 171.6/88

- sign 122.794+/-37.994 χ^2/NDF: 58.6/45

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

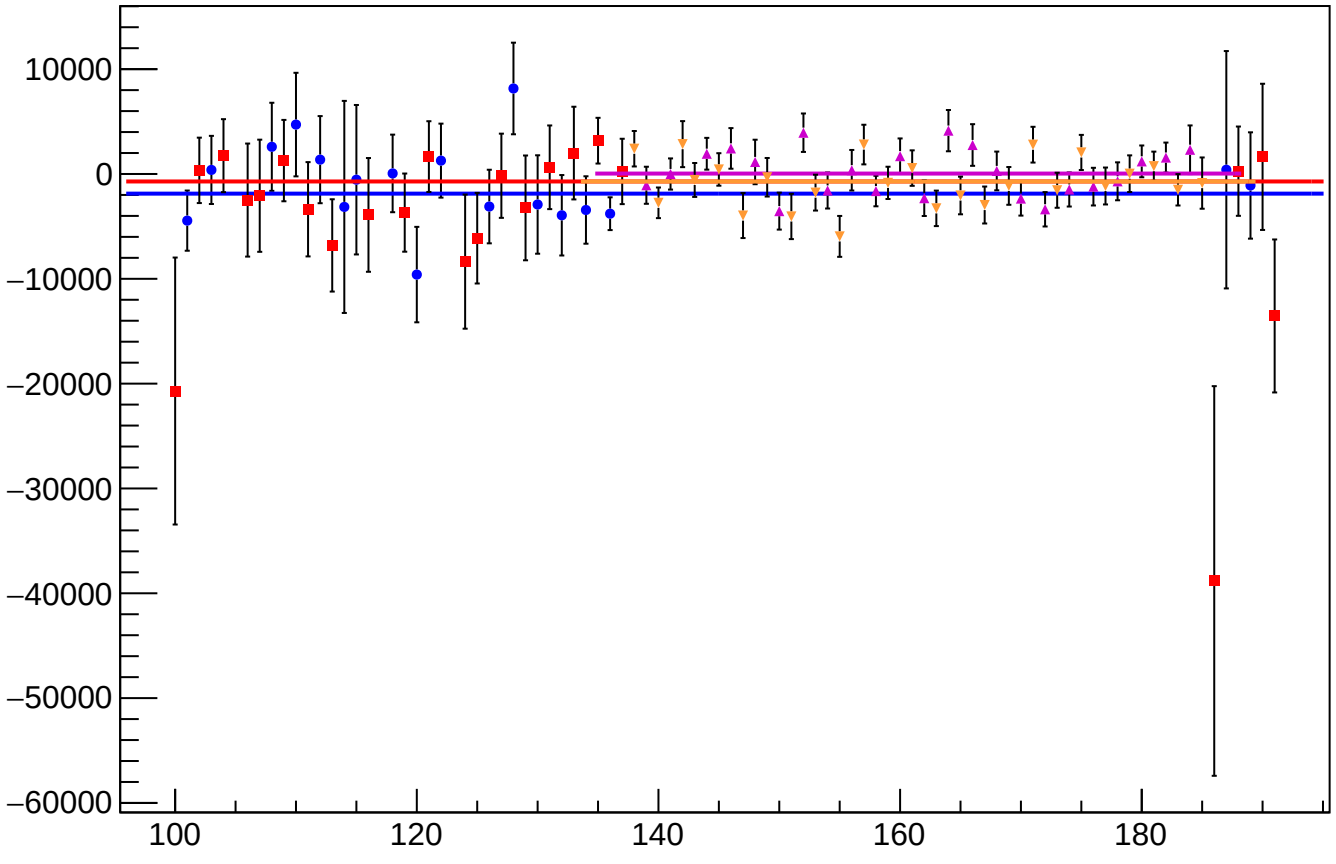
Right Out: 194.339+/-0.045 χ^2/NDF: 451844.0/22

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

\+ sign 198.769+/-0.027 χ^2/NDF: 474969.4/42

All: 198.814+/-0.019 χ^2/NDF: 1123739.5/88

\- sign 198.858+/-0.027 χ^2/NDF: 648764.6/45



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: -713.793+/-868.273 χ^2/NDF: 21.8/22

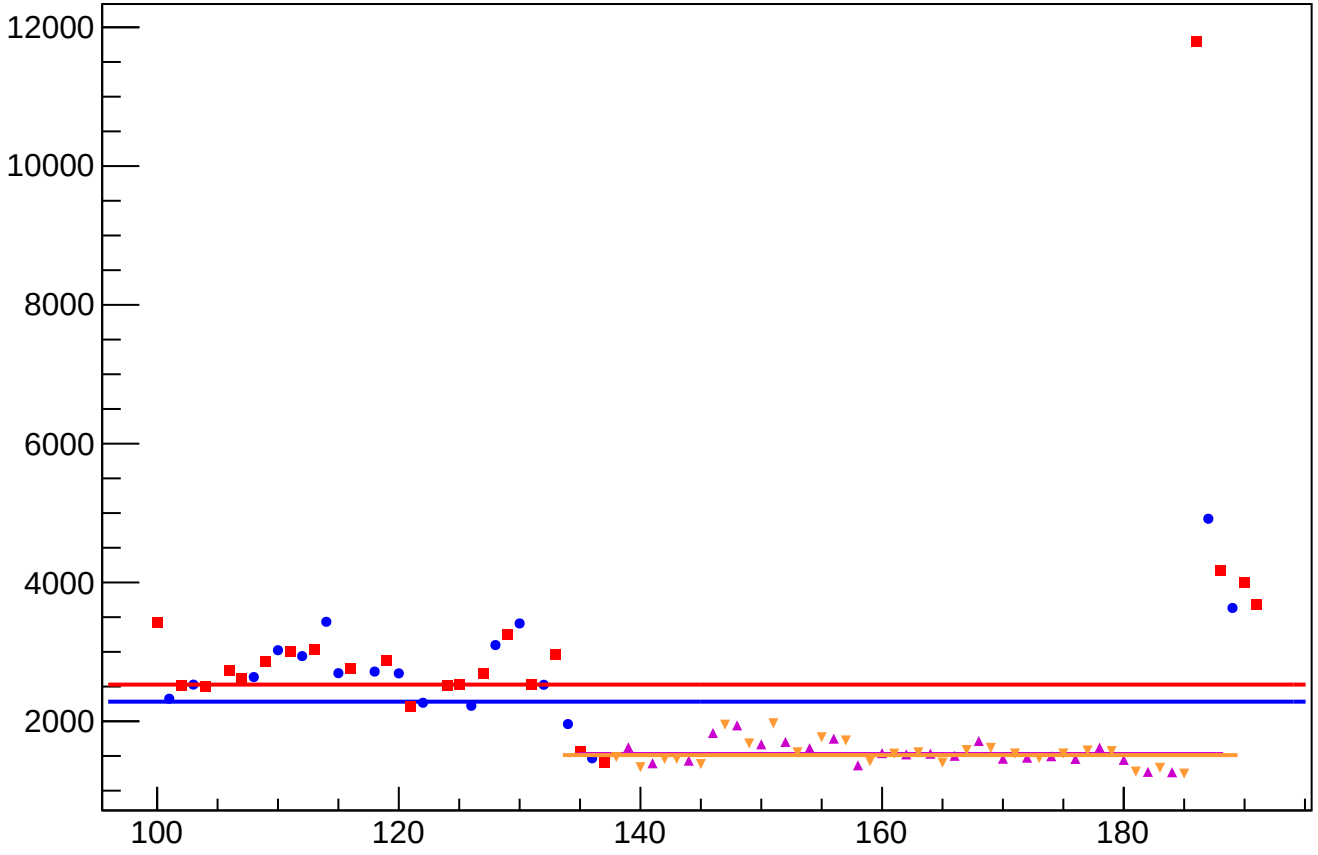
Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

+ sign -886.854+/-320.476 χ^2/NDF: 56.2/42

All: -493.202+/-230.567 χ^2/NDF: 116.2/88

- sign -70.808+/-331.970 χ^2/NDF: 56.8/45

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: 2528.483+/-0.614 χ^2/NDF: 1769909.9/22

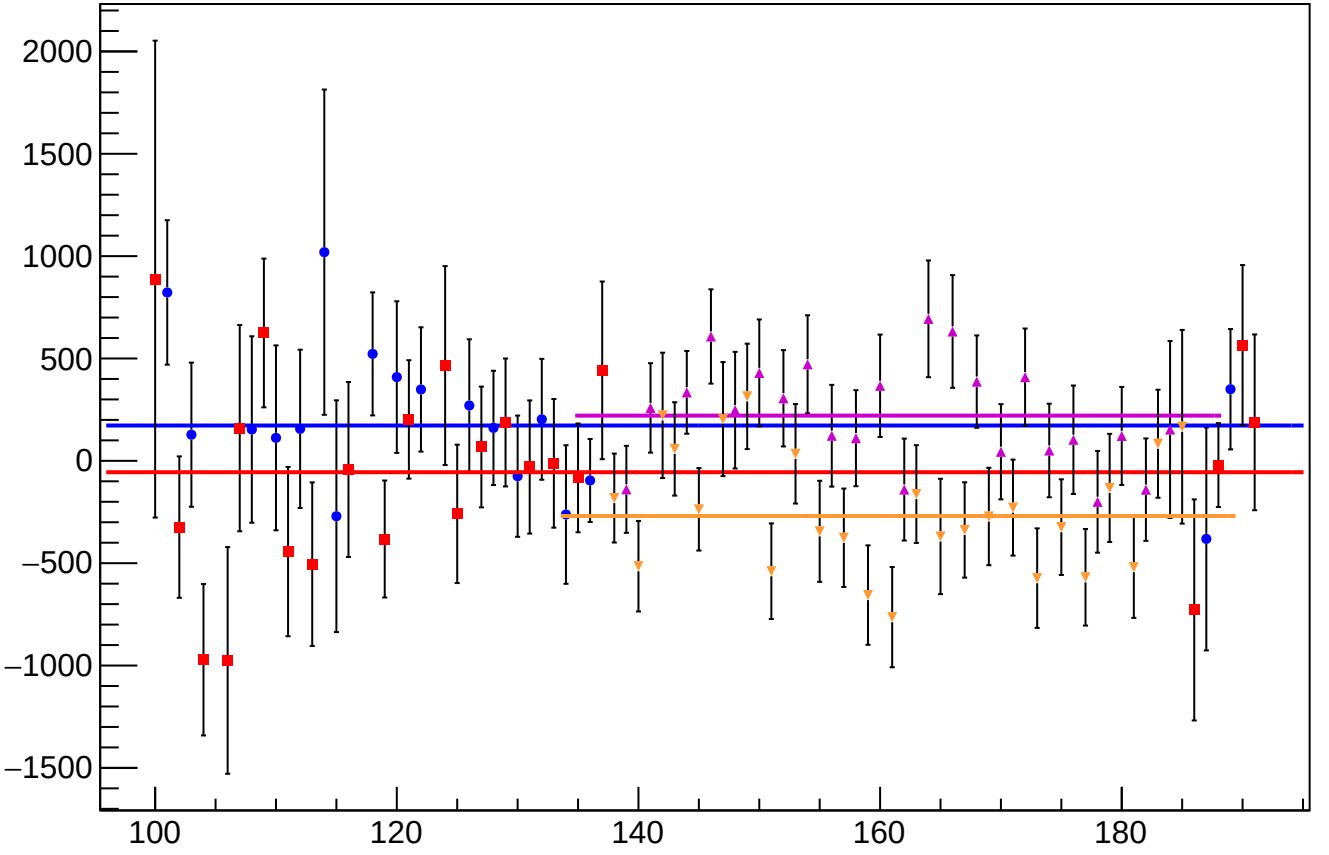
Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

+ sign 1623.208+/-0.227 χ^2/NDF: 3070974.4/42

All: 1647.815+/-0.163 χ^2/NDF: 7506607.9/88

- sign 1674.219+/-0.235 χ^2/NDF: 4411189.6/45

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: -55.570+/-73.329 χ^2/NDF: 26.1/22

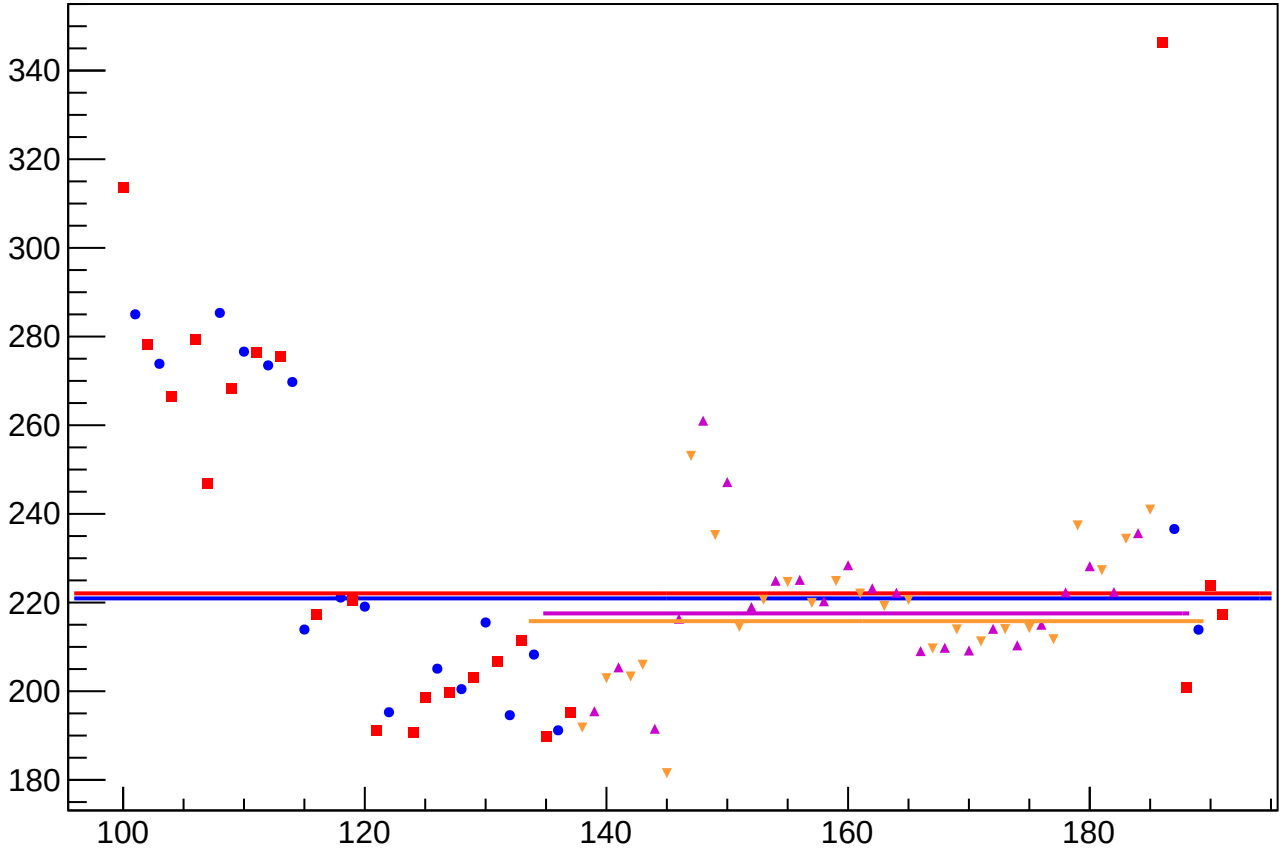
Left In: 220.926+/-50.956 χ^2/NDF:23.4/22

+ sign -146.552+/-41.757 χ^2/NDF: 66.9/42

All: -8.122+/-29.558 χ^2/NDF: 148.0/88

- sign 130.891+/-41.845 χ^2/NDF: 59.1/45

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

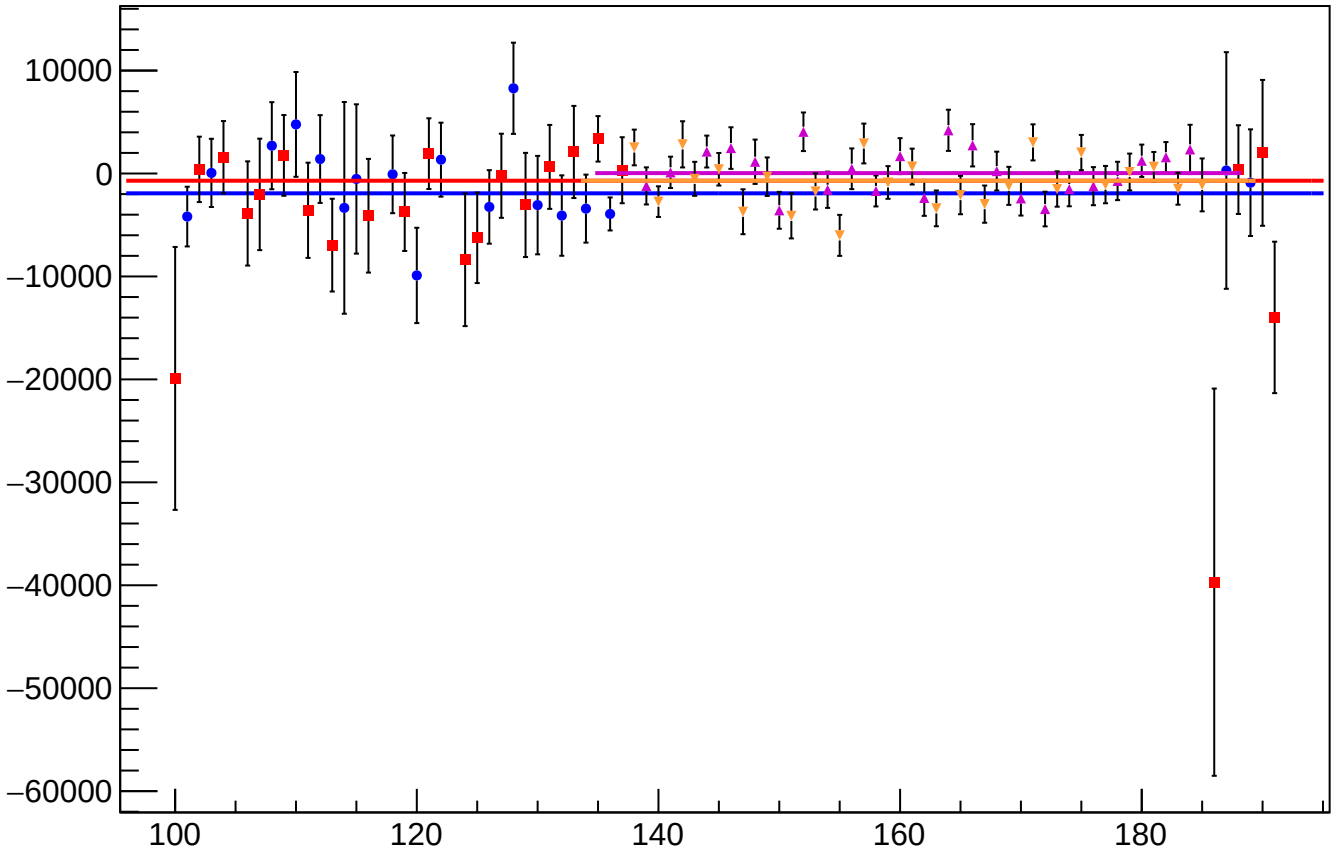
Right Out: 222.075+/-0.052 χ^2/NDF: 454727.8/22

Left In: 217.555+/-0.036 χ^2/NDF:161066.4/22

+ sign 217.236+/-0.030 χ^2/NDF: 516287.1/42

All: 218.129+/-0.021 χ^2/NDF: 1139041.2/88

- sign 219.027+/-0.030 χ^2/NDF: 620918.9/45



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: -701.009+/-880.404 χ^2/NDF: 22.6/22

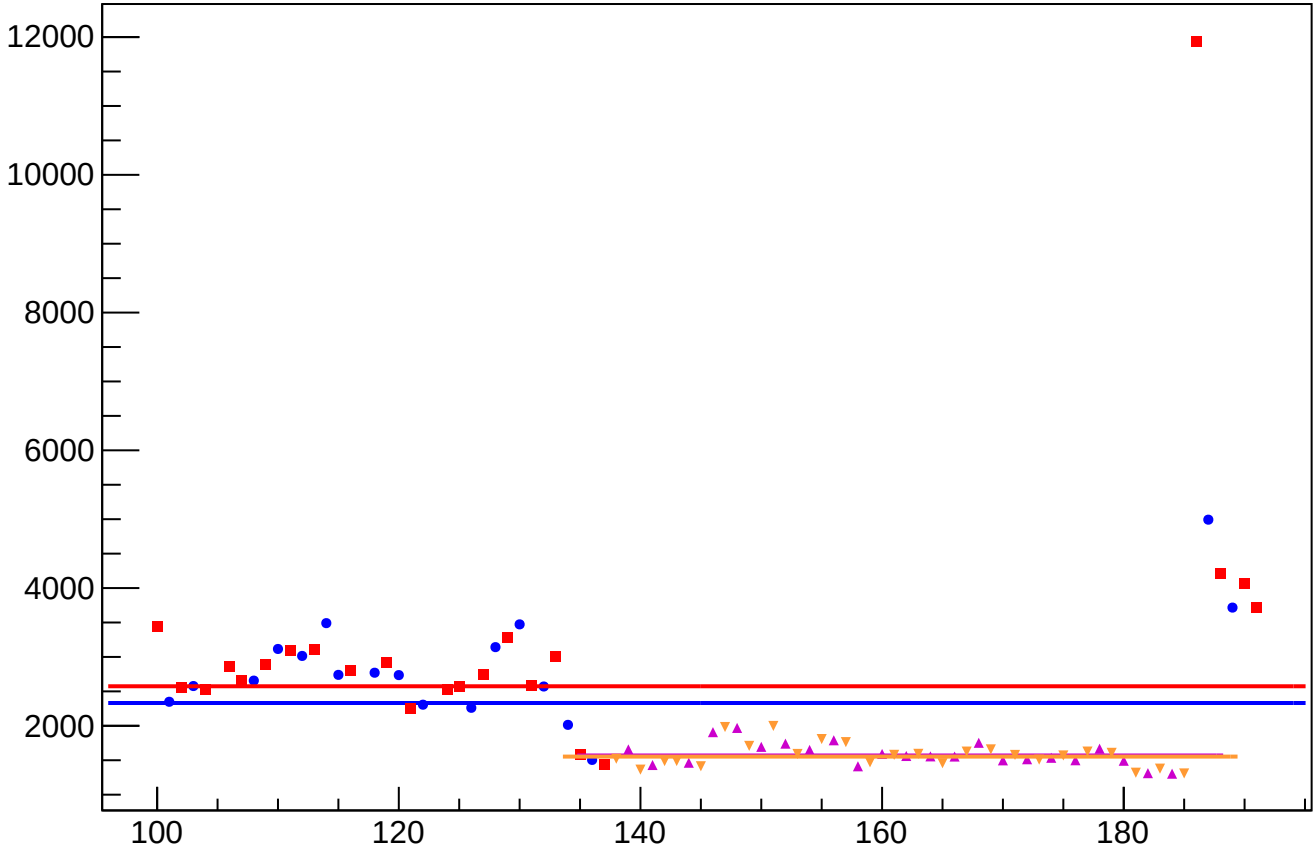
Left In: 39.658+/-368.873 χ^2/NDF:34.3/22

+ sign -881.493+/-328.612 χ^2/NDF: 55.6/42

All: -490.281+/-236.360 χ^2/NDF: 116.0/88

- sign -70.947+/-340.218 χ^2/NDF: 57.5/45

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: 2574.155+/-0.623 χ^2/NDF: 1761090.7/22

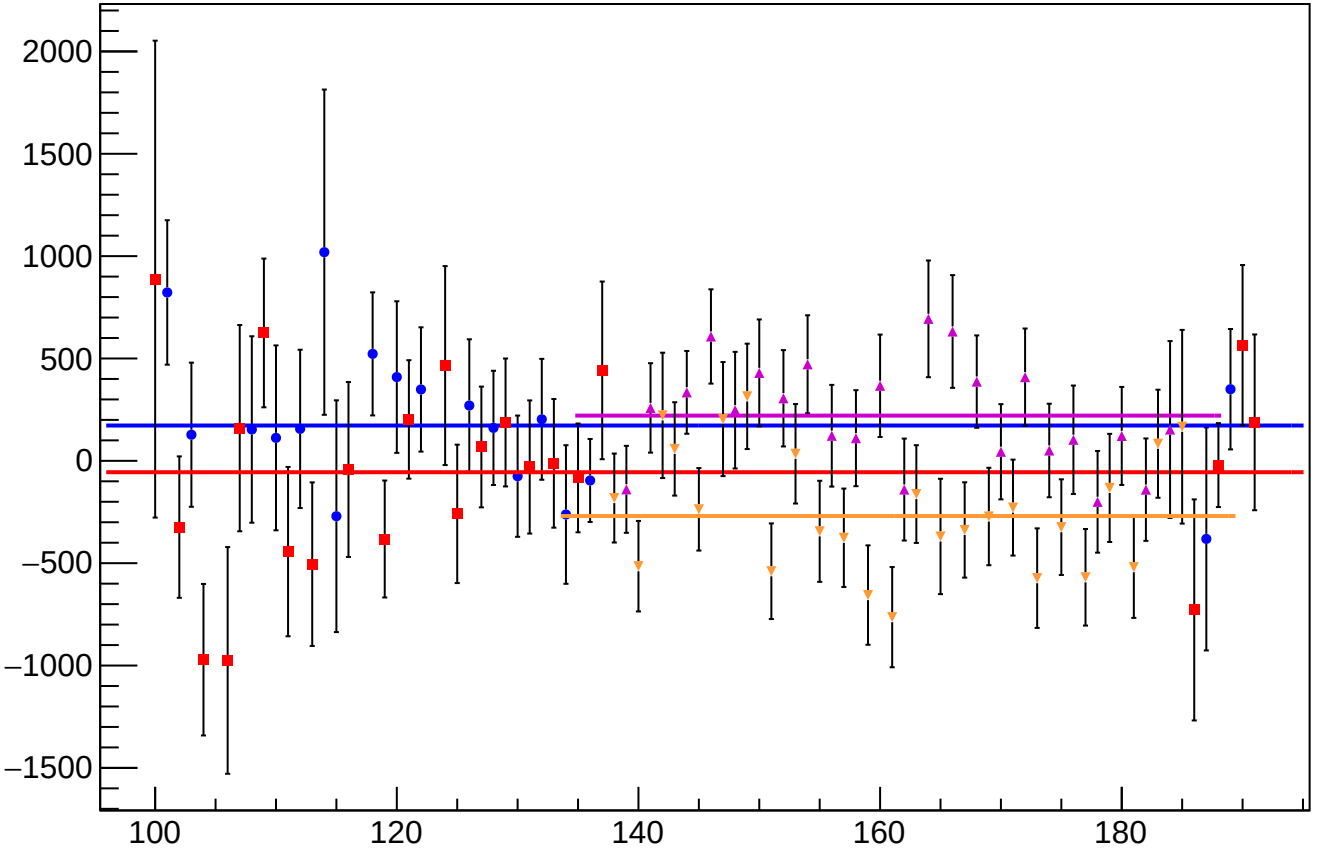
Left In: 1569.383+/-0.261 χ^2/NDF:357481.9/22

+ sign 1666.147+/-0.232 χ^2/NDF: 2988550.1/42

All: 1691.863+/-0.167 χ^2/NDF: 7348454.2/88

- sign 1719.427+/-0.241 χ^2/NDF: 4334527.7/45

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: -55.570+/-73.329 χ^2/NDF: 26.1/22

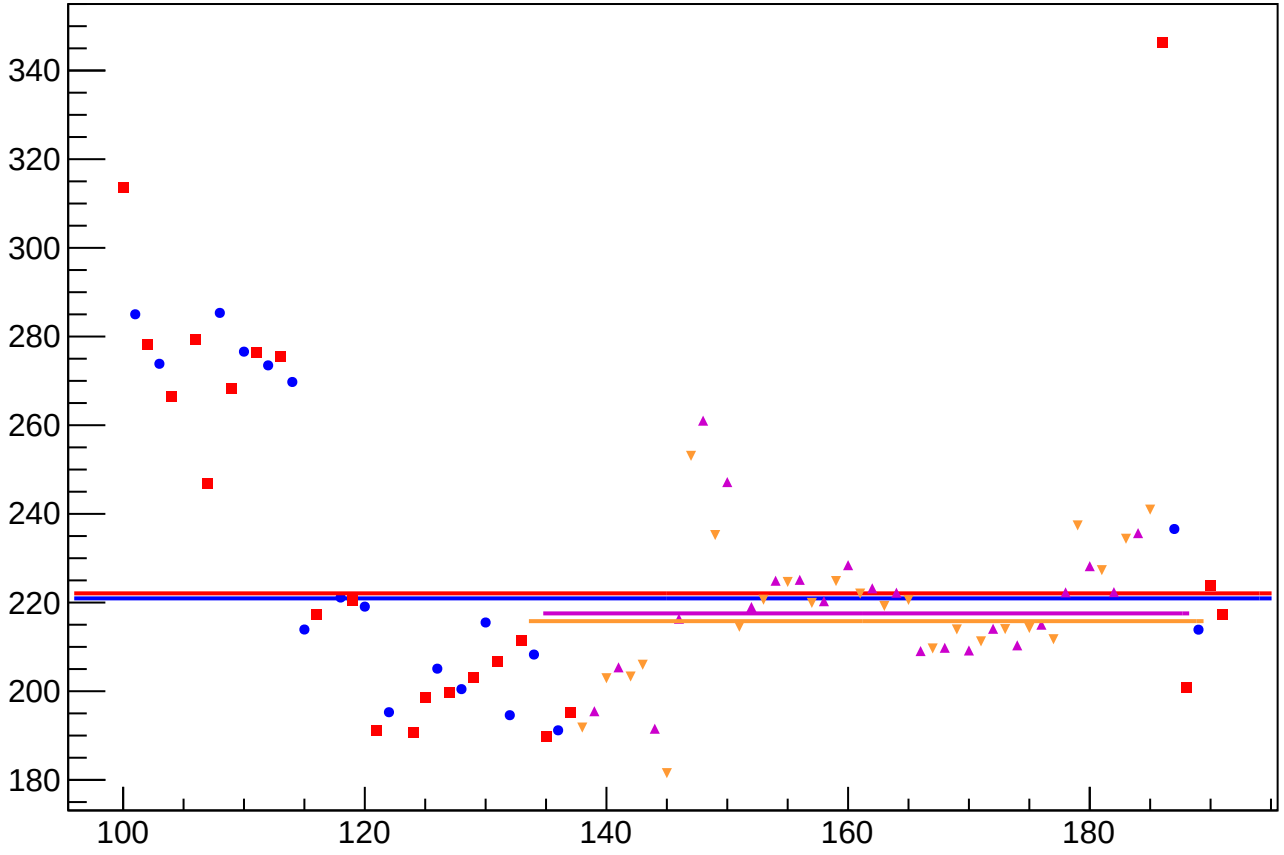
Left In: 220.927+/-50.956 χ^2/NDF:23.4/22

+ sign -146.552+/-41.757 χ^2/NDF: 66.9/42

All: -8.122+/-29.558 χ^2/NDF: 148.0/88

- sign 130.891+/-41.845 χ^2/NDF: 59.1/45

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

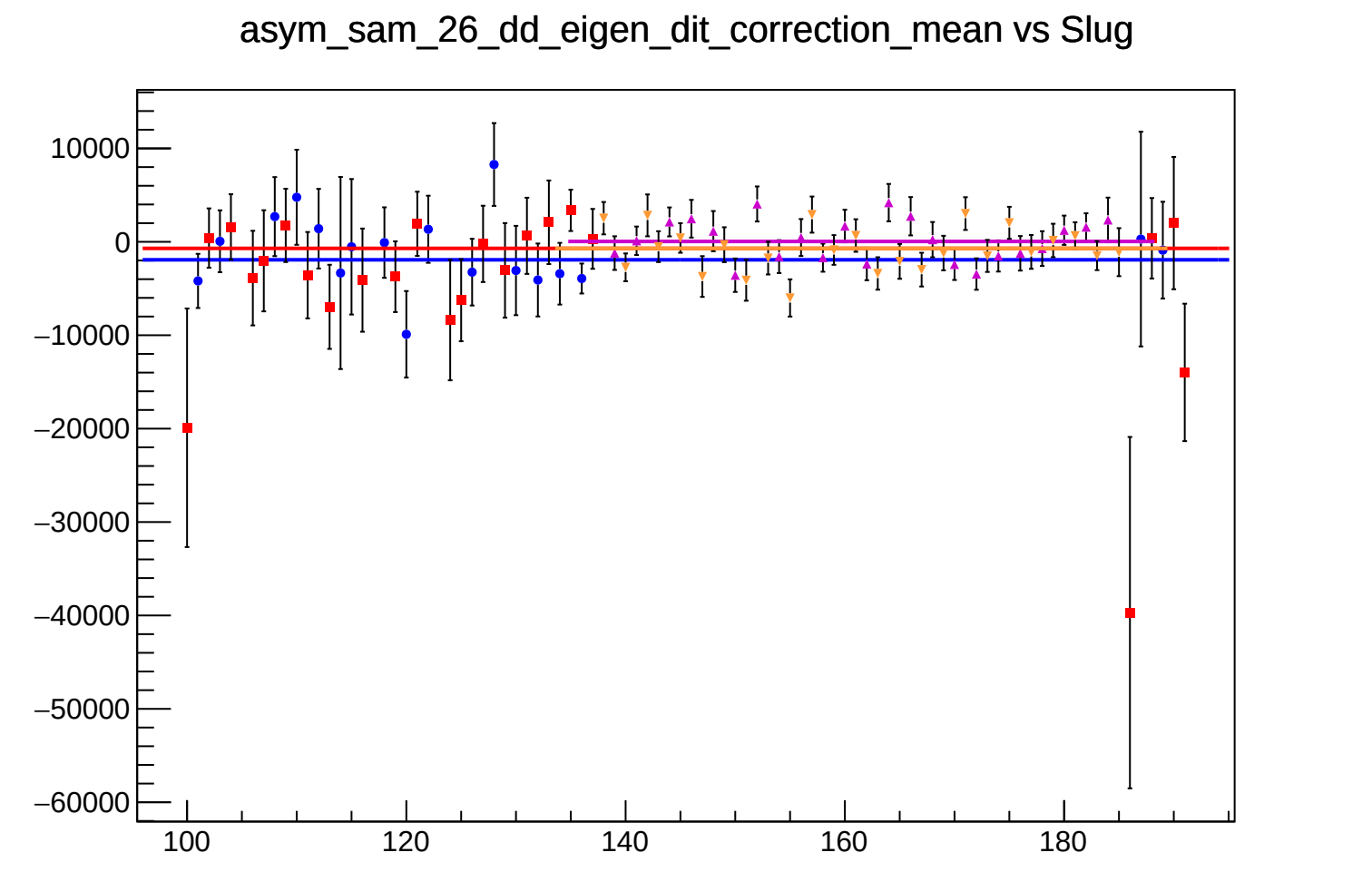
Right Out: 222.074+/-0.052 χ^2/NDF: 454712.4/22

Left In: 217.555+/-0.036 χ^2/NDF:161069.0/22

+ sign 217.235+/-0.030 χ^2/NDF: 516283.5/42

All: 218.129+/-0.021 χ^2/NDF: 1139023.5/88

- sign 219.026+/-0.030 χ^2/NDF: 620904.7/45



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: -701.010+/-880.403 χ^2/NDF: 22.6/22

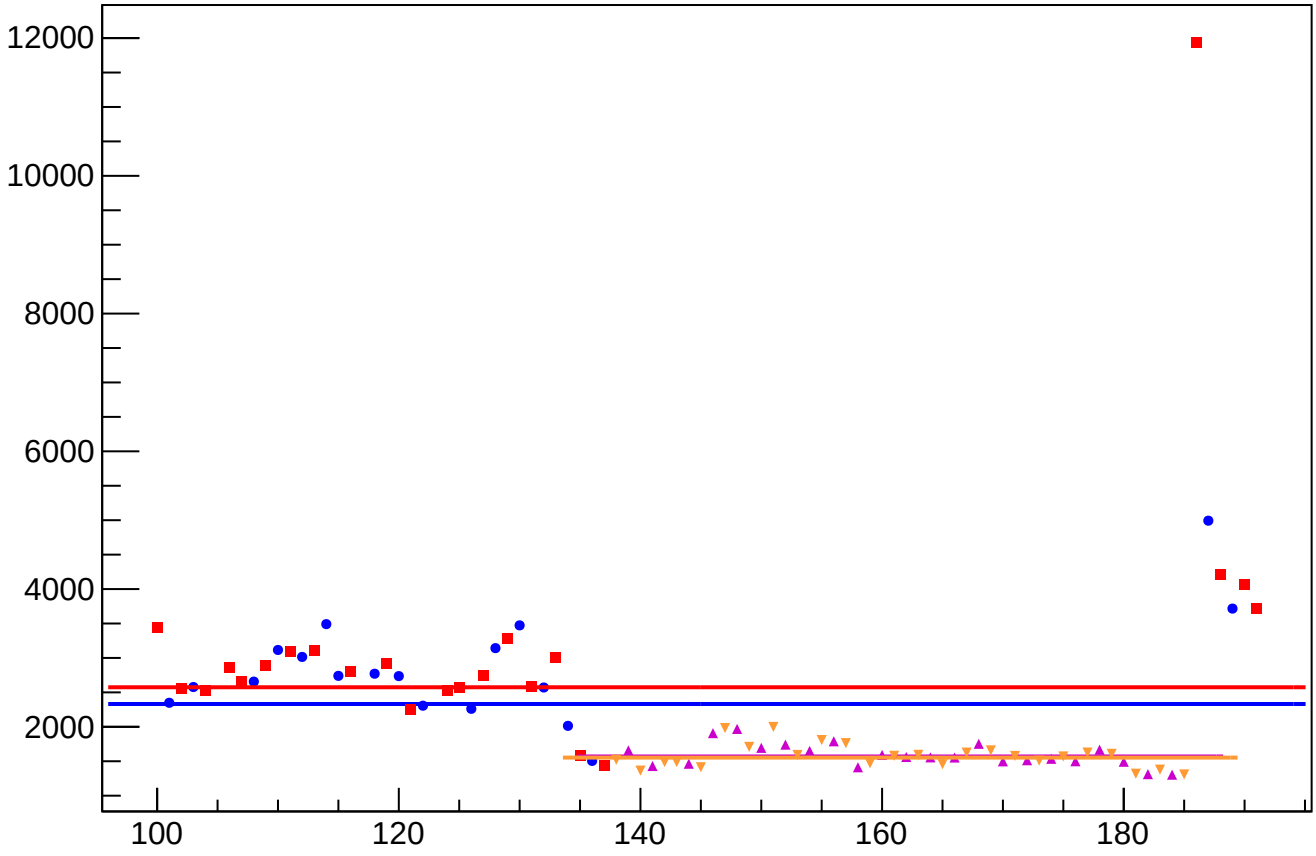
Left In: 39.657+/-368.873 χ^2/NDF:34.3/22

+ sign -881.493+/-328.612 χ^2/NDF: 55.6/42

All: -490.282+/-236.360 χ^2/NDF: 116.0/88

- sign -70.948+/-340.218 χ^2/NDF: 57.5/45

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: 2574.151+/-0.623 χ^2/NDF: 1761086.7/22

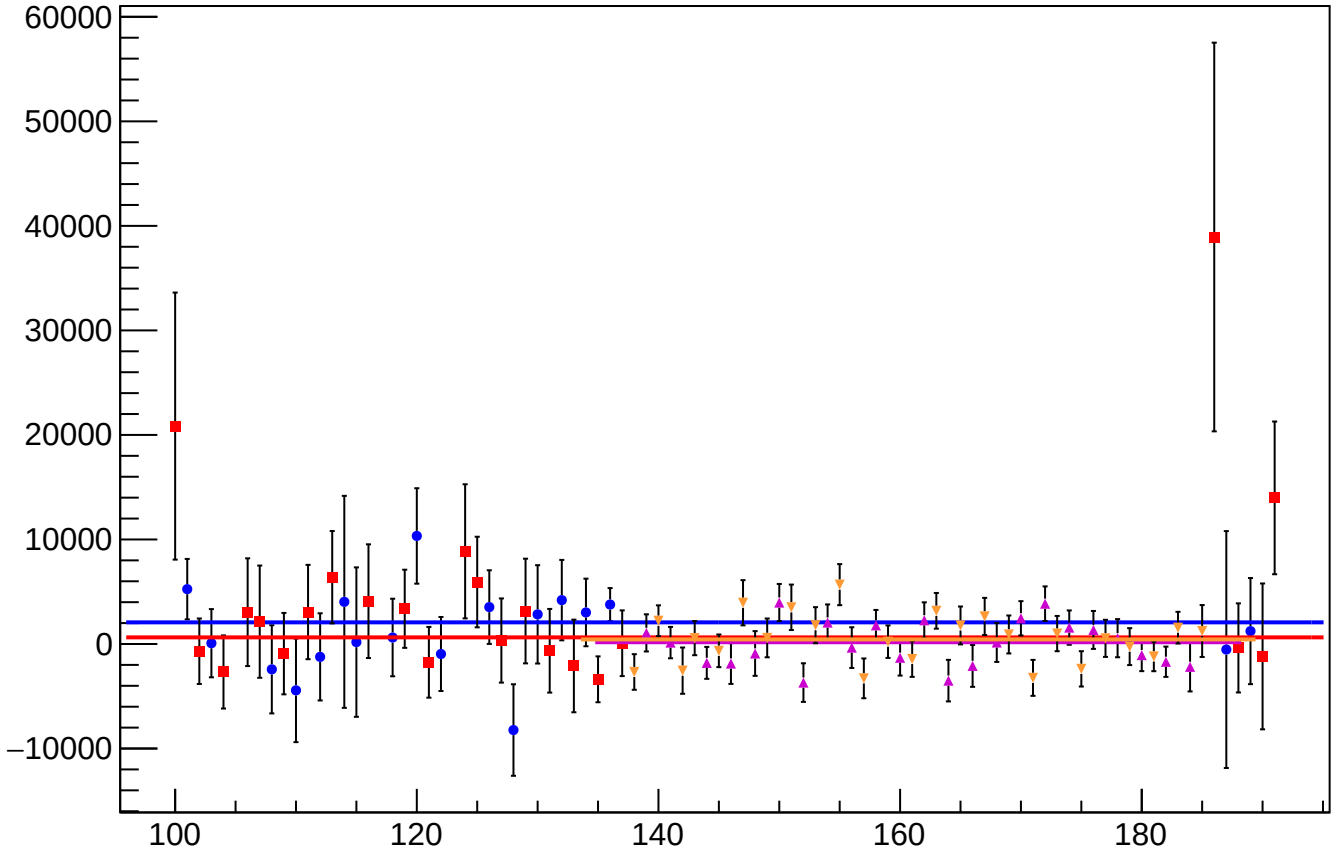
Left In: 1569.383+/-0.261 χ^2/NDF:357484.6/22

+ sign 1666.147+/-0.232 χ^2/NDF: 2988535.8/42

All: 1691.863+/-0.167 χ^2/NDF: 7348427.6/88

- sign 1719.427+/-0.241 χ^2/NDF: 4334515.8/45

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: 633.305+/-870.467 χ^2/NDF: 22.4/22

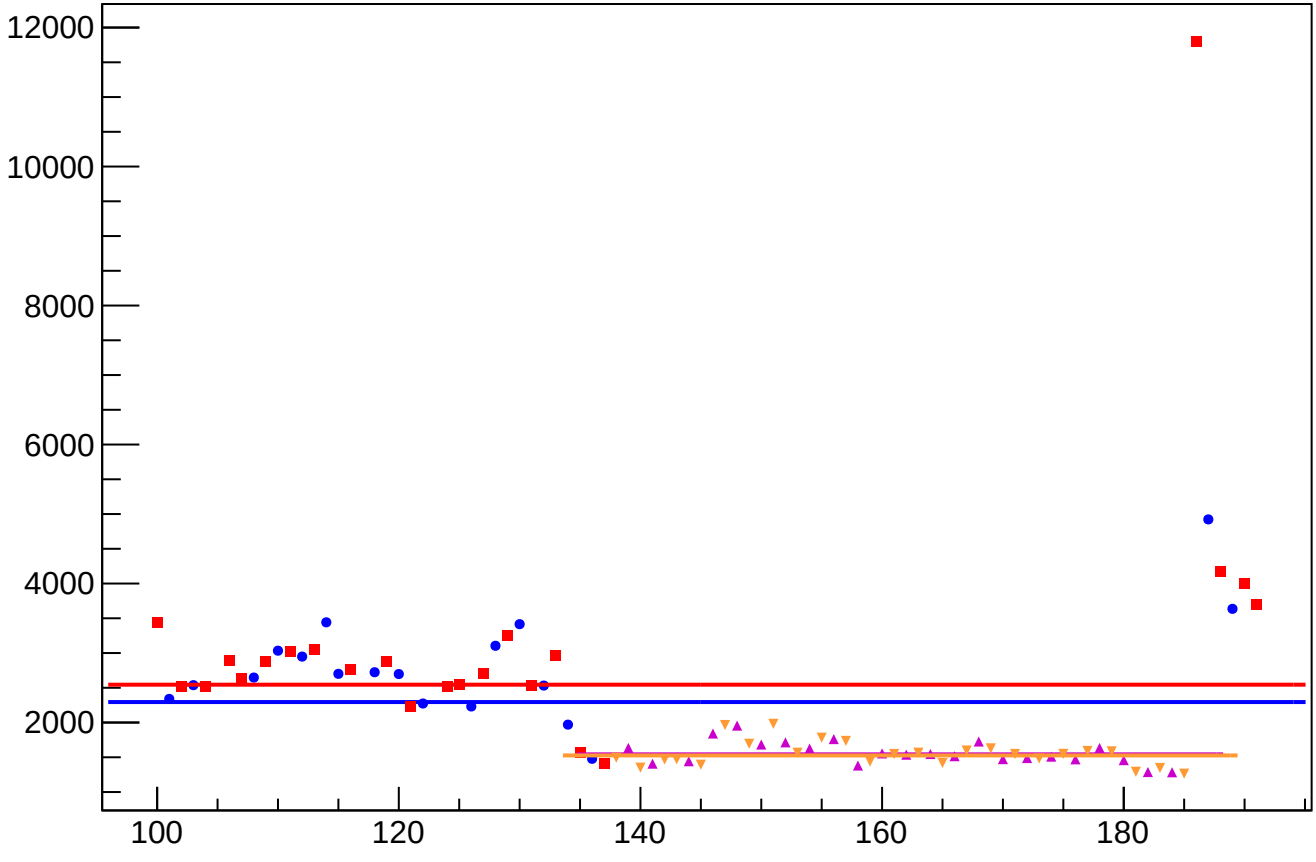
Left In: 169.827+/-362.550 χ^2/NDF:33.0/22

+ sign 674.361+/-323.233 χ^2/NDF: 58.7/42

All: 463.936+/-232.502 χ^2/NDF: 115.3/88

- sign 238.343+/-334.681 χ^2/NDF: 55.7/45

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: 2544.409+/-0.616 χ^2/NDF: 1758934.5/22

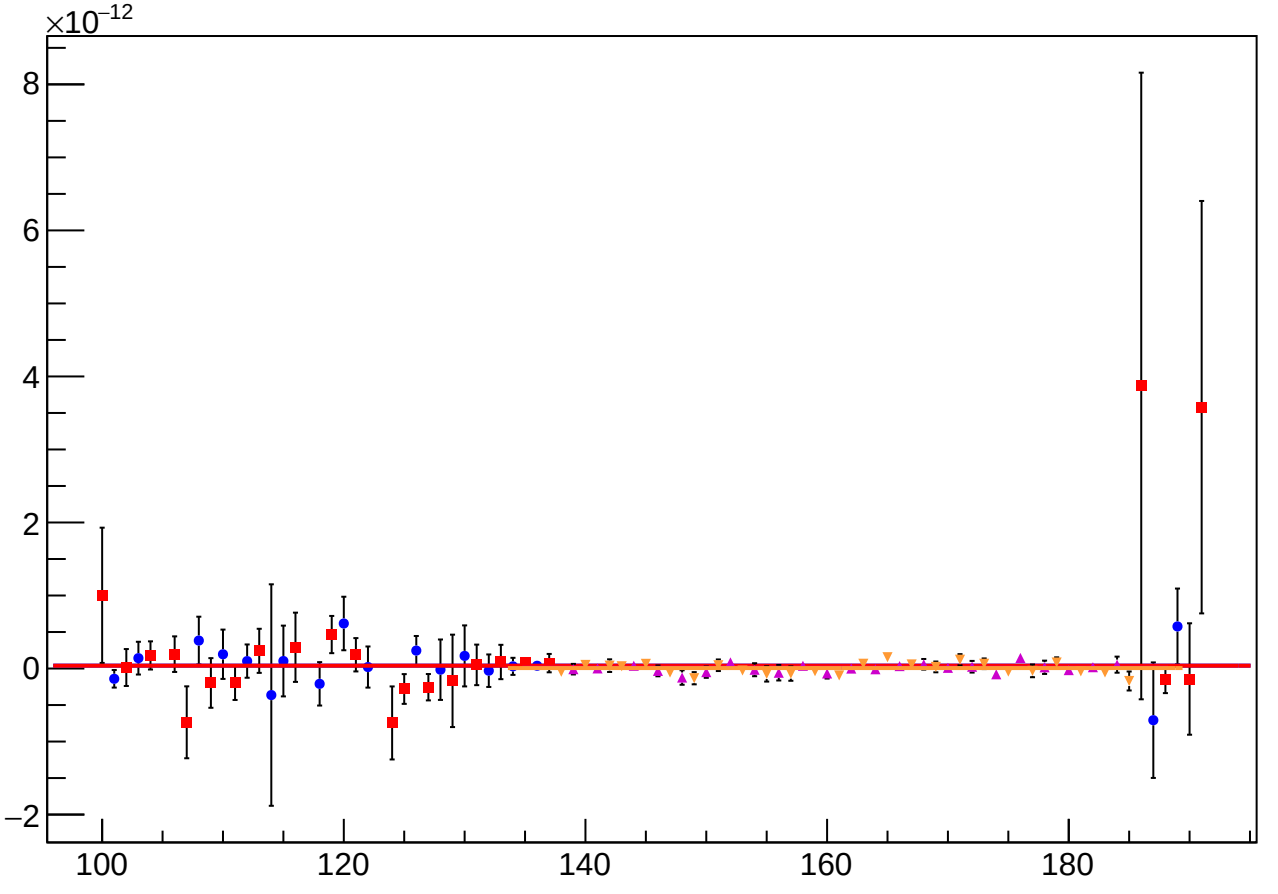
Left In: 1542.262+/-0.256 χ^2/NDF:362291.1/22

+ sign 1638.122+/-0.229 χ^2/NDF: 3018082.8/42

All: 1663.356+/-0.164 χ^2/NDF: 7423557.6/88

- sign 1690.408+/-0.237 χ^2/NDF: 4380218.9/45

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

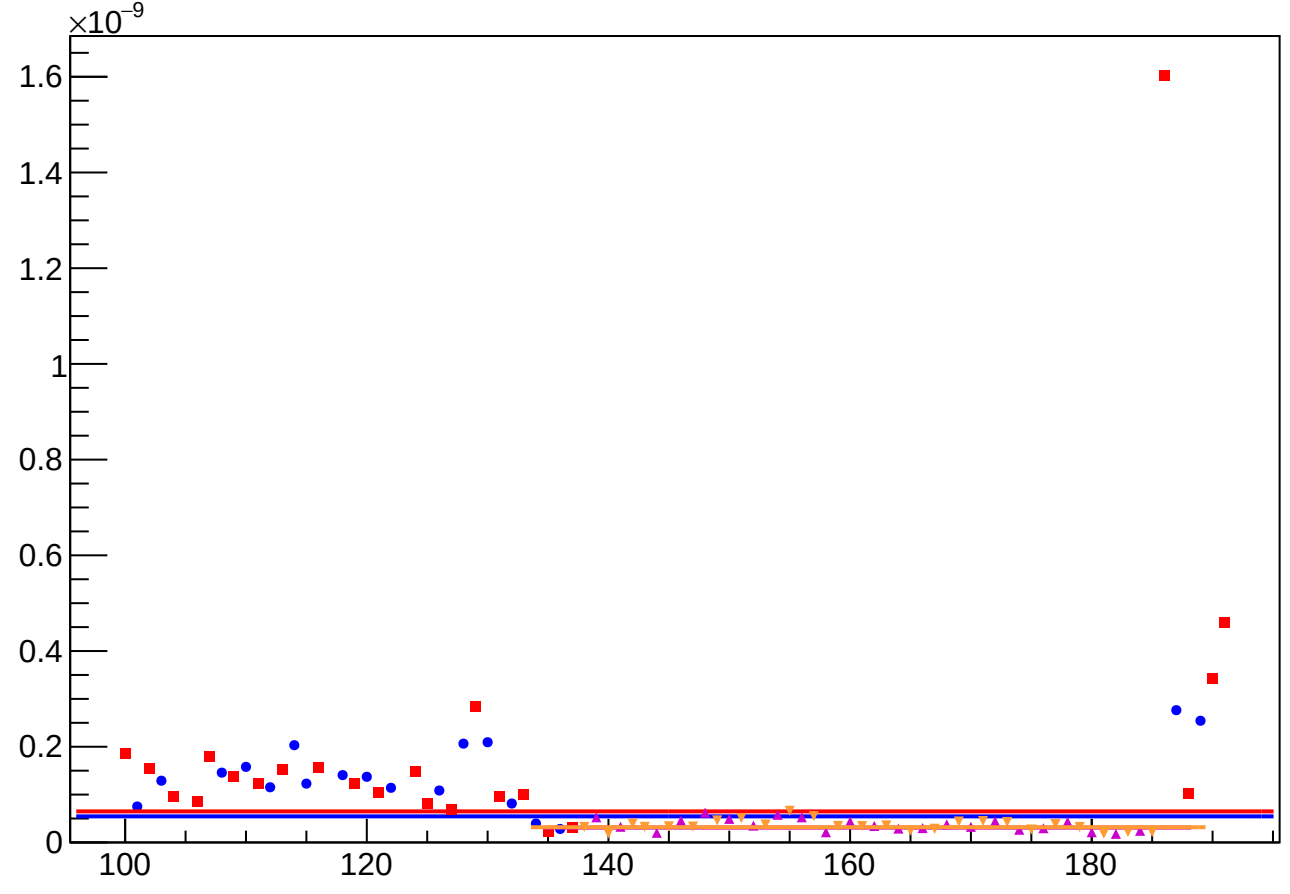
Right Out: 0.000+/-0.000 χ^2/NDF: 21.7/22

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: 81.1/88

- sign 0.000+/-0.000 χ^2/NDF: 39.1/45



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: 3066532.0/22

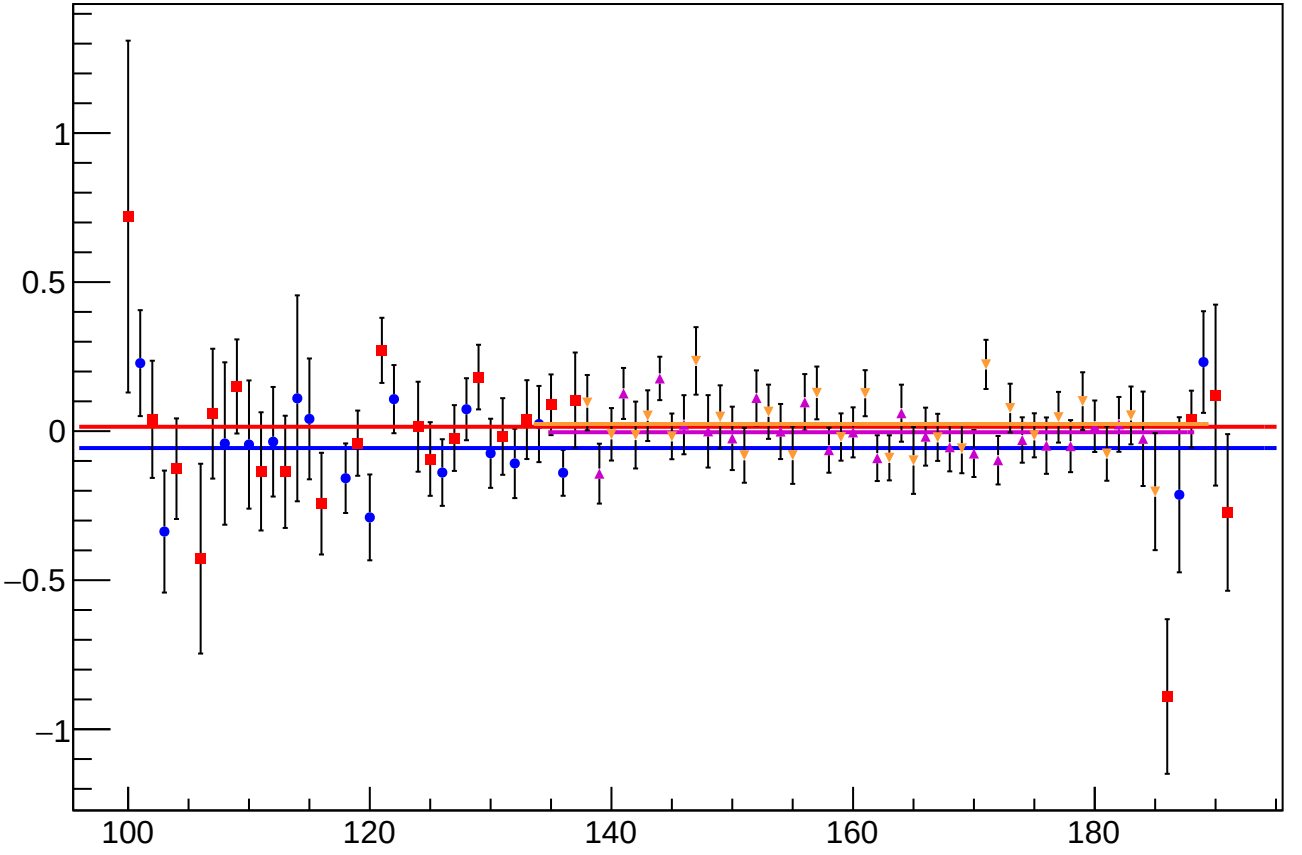
Left In: 0.000+/-0.000 χ^2/NDF:1593815.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 4969412.9/42

All: 0.000+/-0.000 χ^2/NDF: 10818511.6/88

- sign 0.000+/-0.000 χ^2/NDF: 5848335.4/45

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: 0.015+/-0.031 χ^2/NDF: 31.9/22

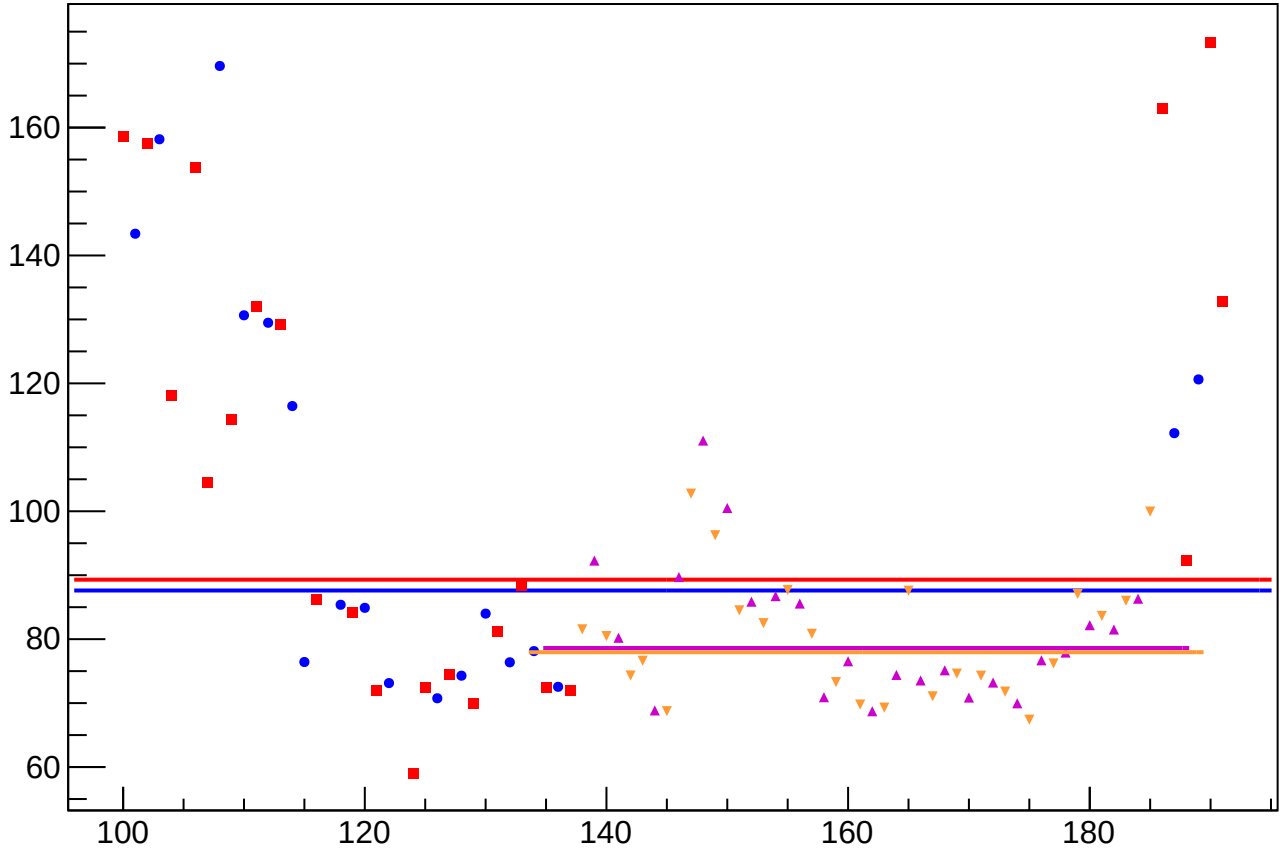
Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.005+/-0.016 χ^2/NDF: 47.7/42

All: 0.003+/-0.011 χ^2/NDF: 98.8/88

- sign 0.001+/-0.016 χ^2/NDF: 51.0/45

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

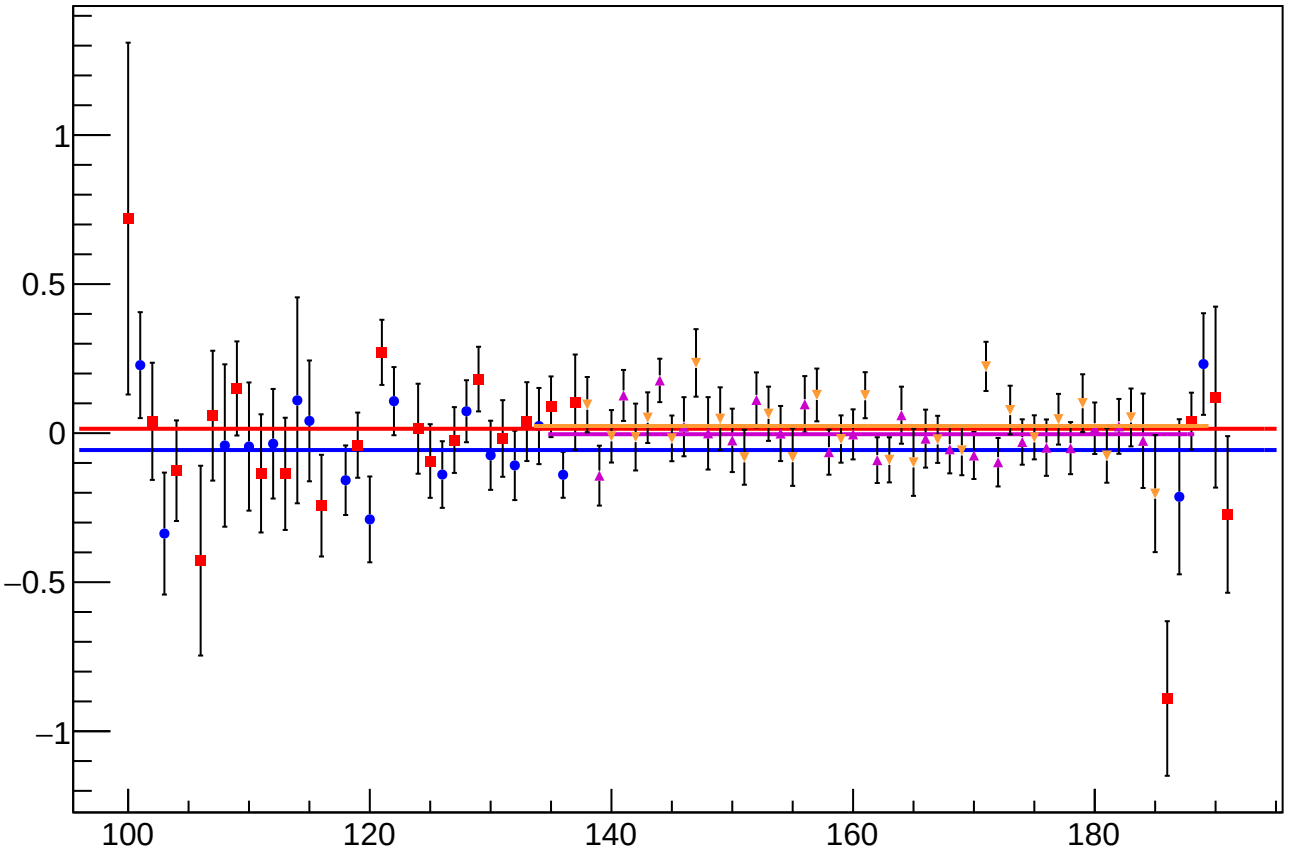
Right Out: 89.302+/-0.022 χ^2/NDF: 1382432.6/22

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

+ sign 80.202+/-0.011 χ^2/NDF: 1708456.4/42

All: 80.839+/-0.008 χ^2/NDF: 3774006.4/88

- sign 81.495+/-0.011 χ^2/NDF: 2058820.2/45



Right In: -0.057+/-0.032 χ^2/NDF: 17.5/17

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

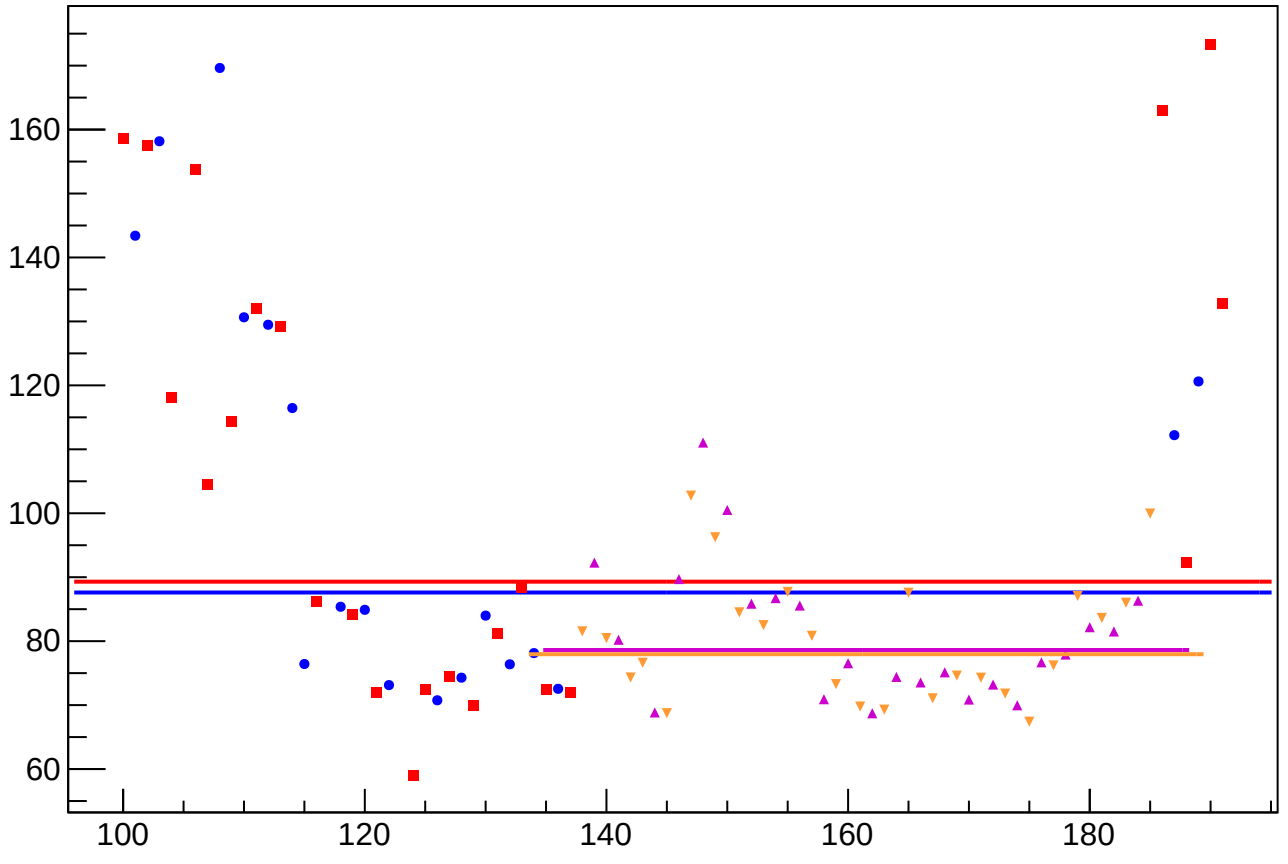
Right Out: 0.015+/-0.031 χ^2/NDF: 31.9/22

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.005+/-0.016 χ^2/NDF: 47.7/42

All: 0.003+/-0.011 χ^2/NDF: 98.8/88

- sign 0.001+/-0.016 χ^2/NDF: 51.0/45



Right In: 87.609+/-0.023 χ^2/NDF: 1132848.1/17

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

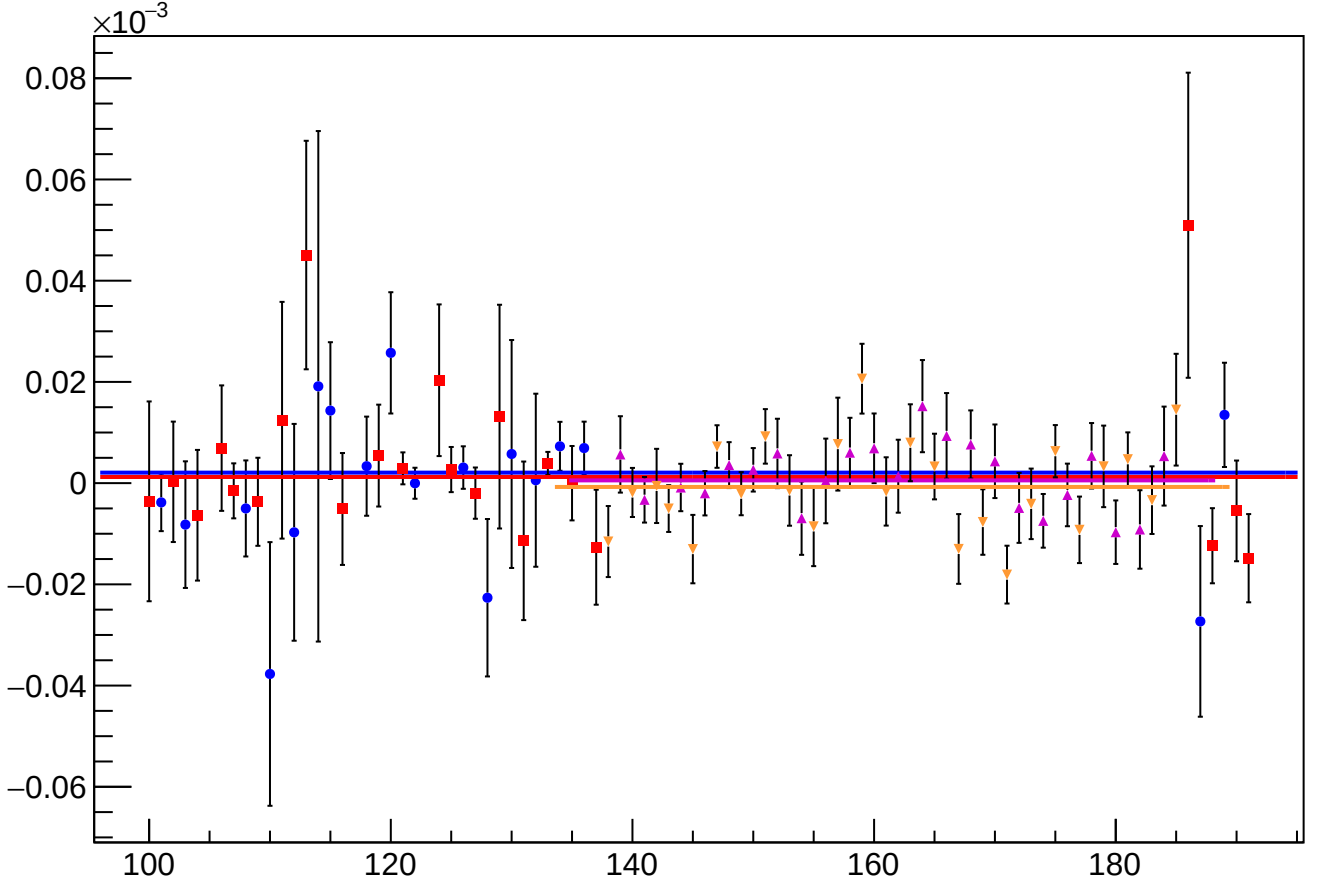
Right Out: 89.302+/-0.022 χ^2/NDF: 1382432.6/22

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

+ sign 80.202+/-0.011 χ^2/NDF: 1708456.4/42

All: 80.839+/-0.008 χ^2/NDF: 3774006.4/88

- sign 81.495+/-0.011 χ^2/NDF: 2058820.2/45



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

Left Out: -0.000+/-0.000 χ^2/NDF:47.6/24

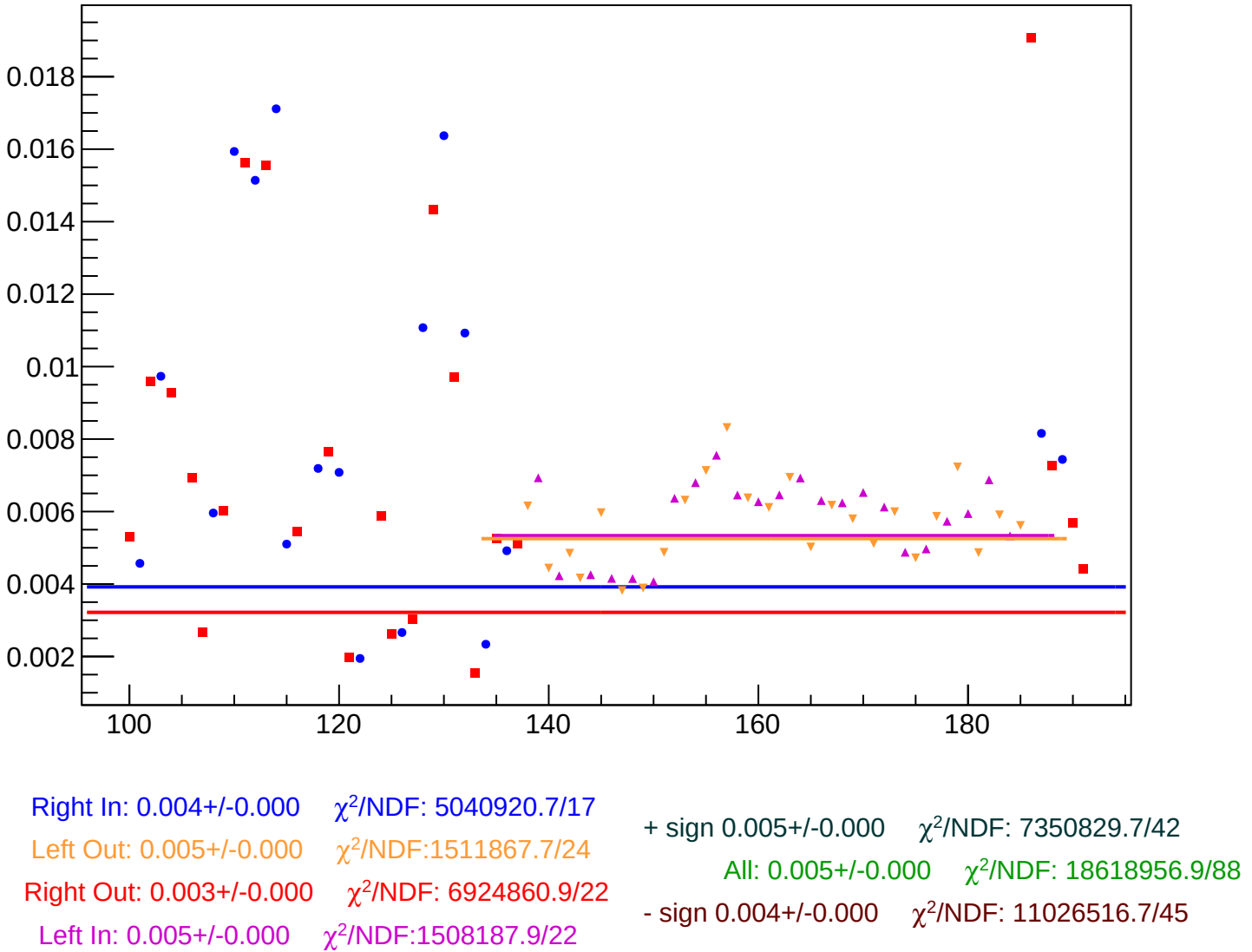
Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/22

Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

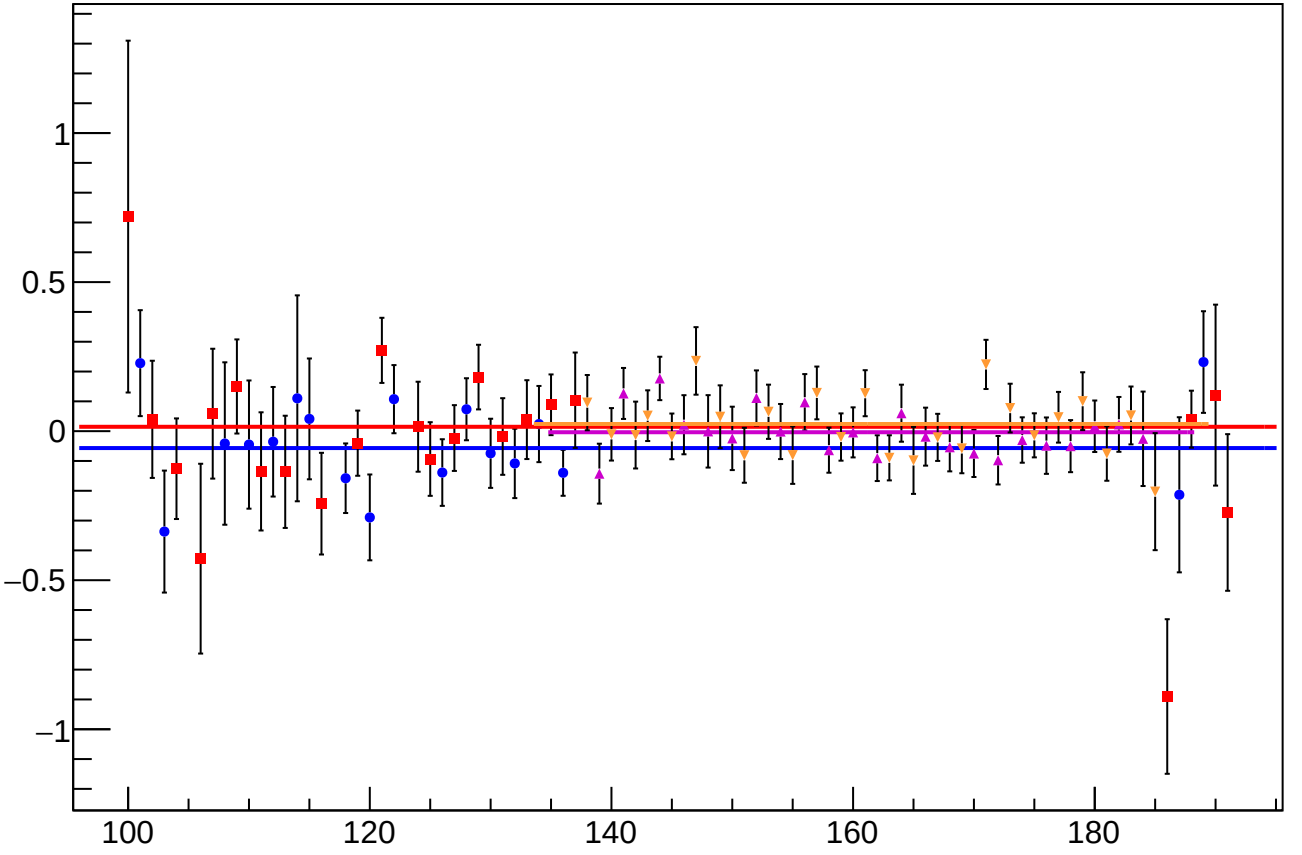
+ sign 0.000+/-0.000 χ^2/NDF: 67.9/42

All: 0.000+/-0.000 χ^2/NDF: 108.8/88

- sign 0.000+/-0.000 χ^2/NDF: 40.6/45


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
120
140
160
180
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: 6924860.9/22
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: 18618956.9/88
- sign 0.004+/-0.000 χ²/NDF: 11026516.7/45

asym_sam_26_dd_eigen_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

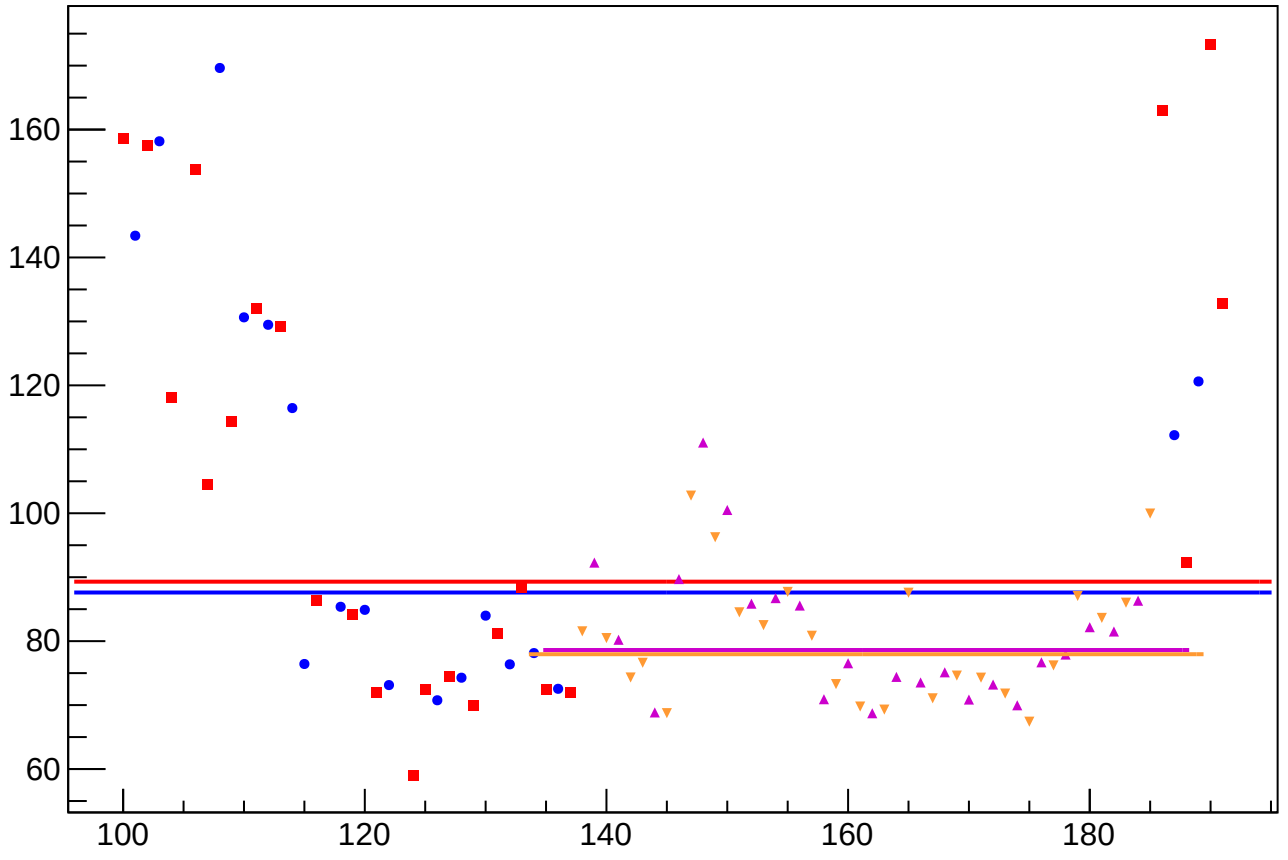
Right Out: 0.015+/-0.031 χ^2/NDF: 31.9/22

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.005+/-0.016 χ^2/NDF: 47.7/42

All: 0.003+/-0.011 χ^2/NDF: 98.8/88

- sign 0.001+/-0.016 χ^2/NDF: 51.0/45



Right In: 87.606+/-0.023 χ^2/NDF: 1132840.4/17

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

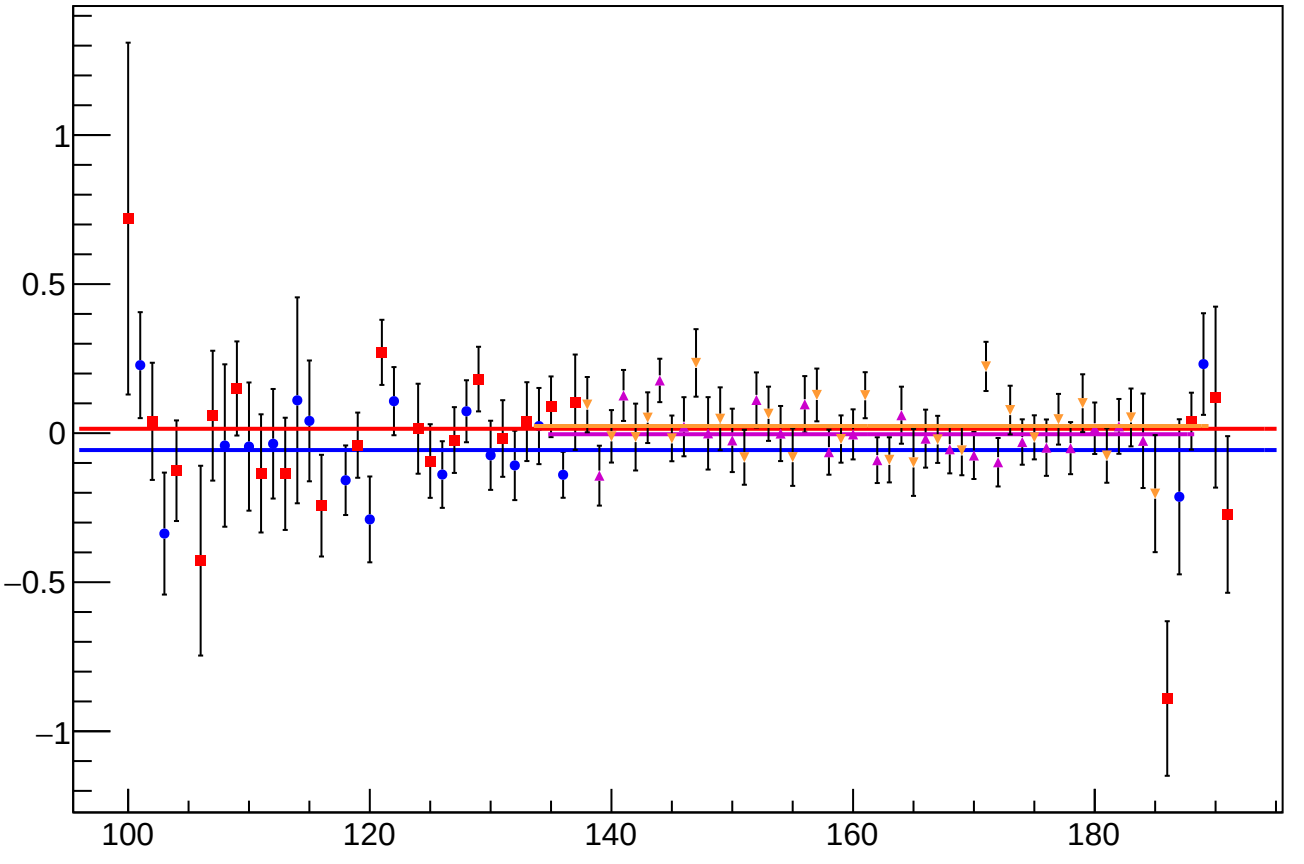
Right Out: 89.300+/-0.022 χ^2/NDF: 1382416.1/22

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

+ sign 80.201+/-0.011 χ^2/NDF: 1708437.4/42

All: 80.838+/-0.008 χ^2/NDF: 3773967.1/88

- sign 81.493+/-0.011 χ^2/NDF: 2058801.9/45



Right In: -0.057+/-0.032 χ^2/NDF: 17.5/17

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

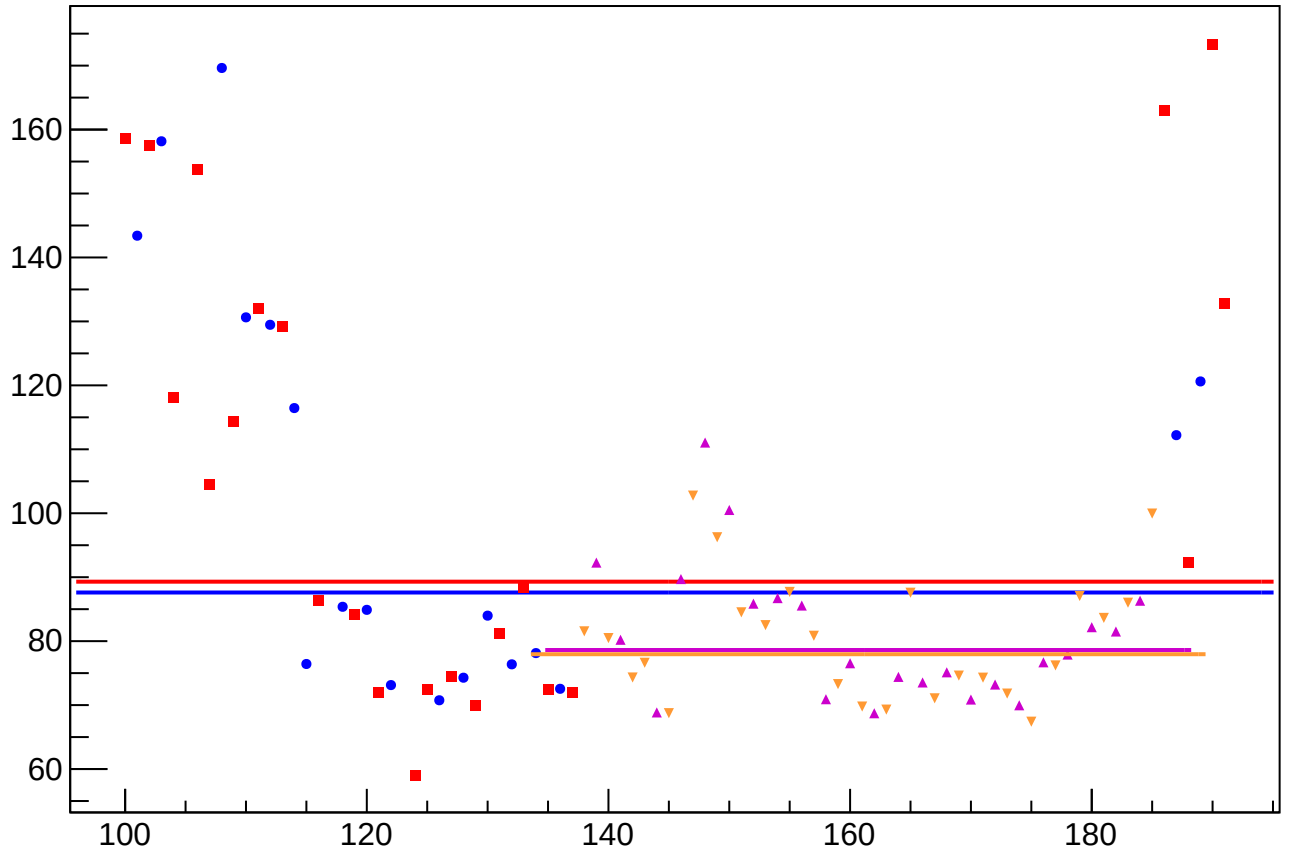
Right Out: 0.015+/-0.031 χ^2/NDF: 31.9/22

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.005+/-0.016 χ^2/NDF: 47.7/42

All: 0.003+/-0.011 χ^2/NDF: 98.8/88

- sign 0.001+/-0.016 χ^2/NDF: 51.0/45



Right In: 87.606+/-0.023 χ^2/NDF: 1132840.4/17

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

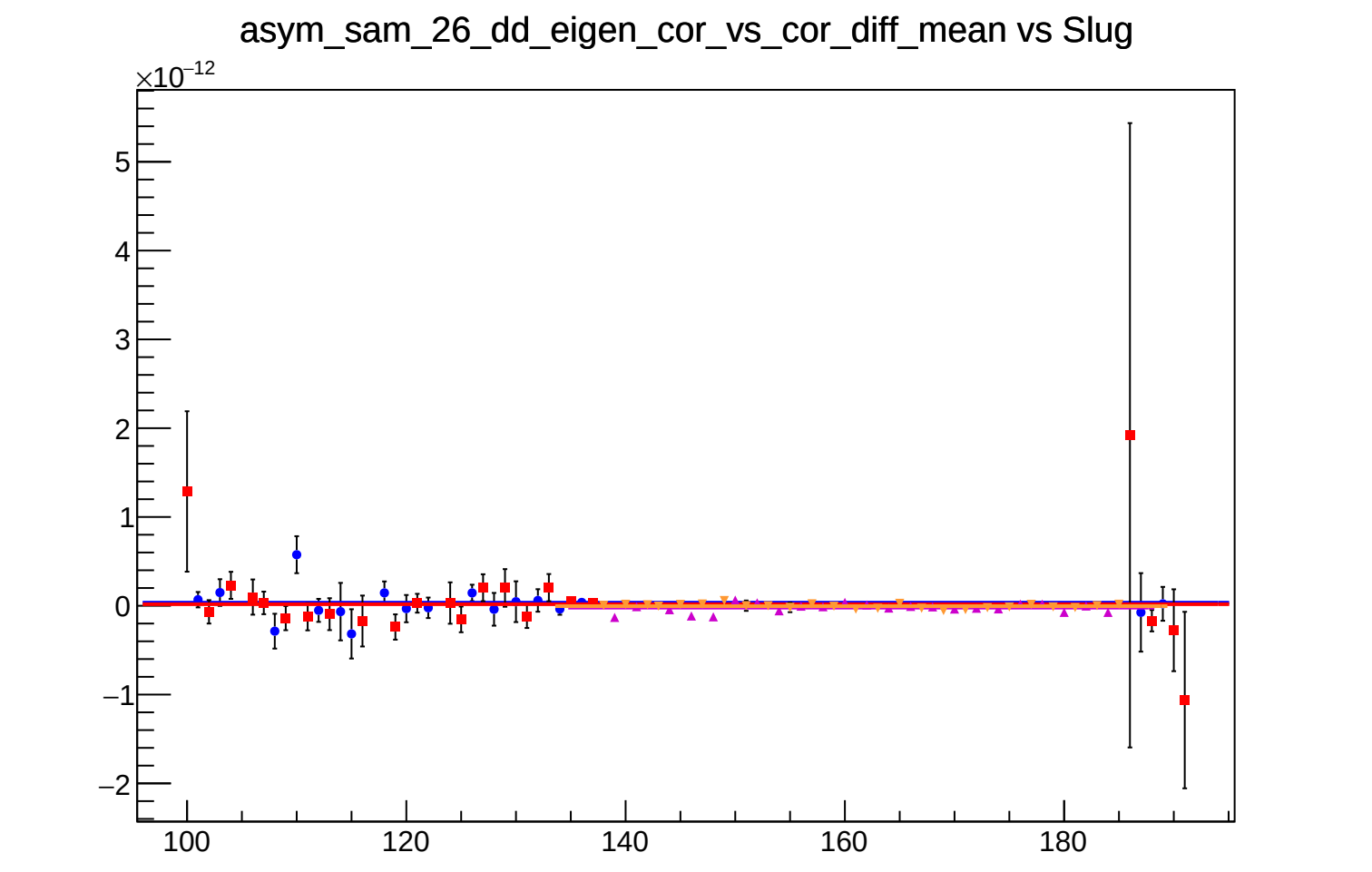
Right Out: 89.300+/-0.022 χ^2/NDF: 1382416.1/22

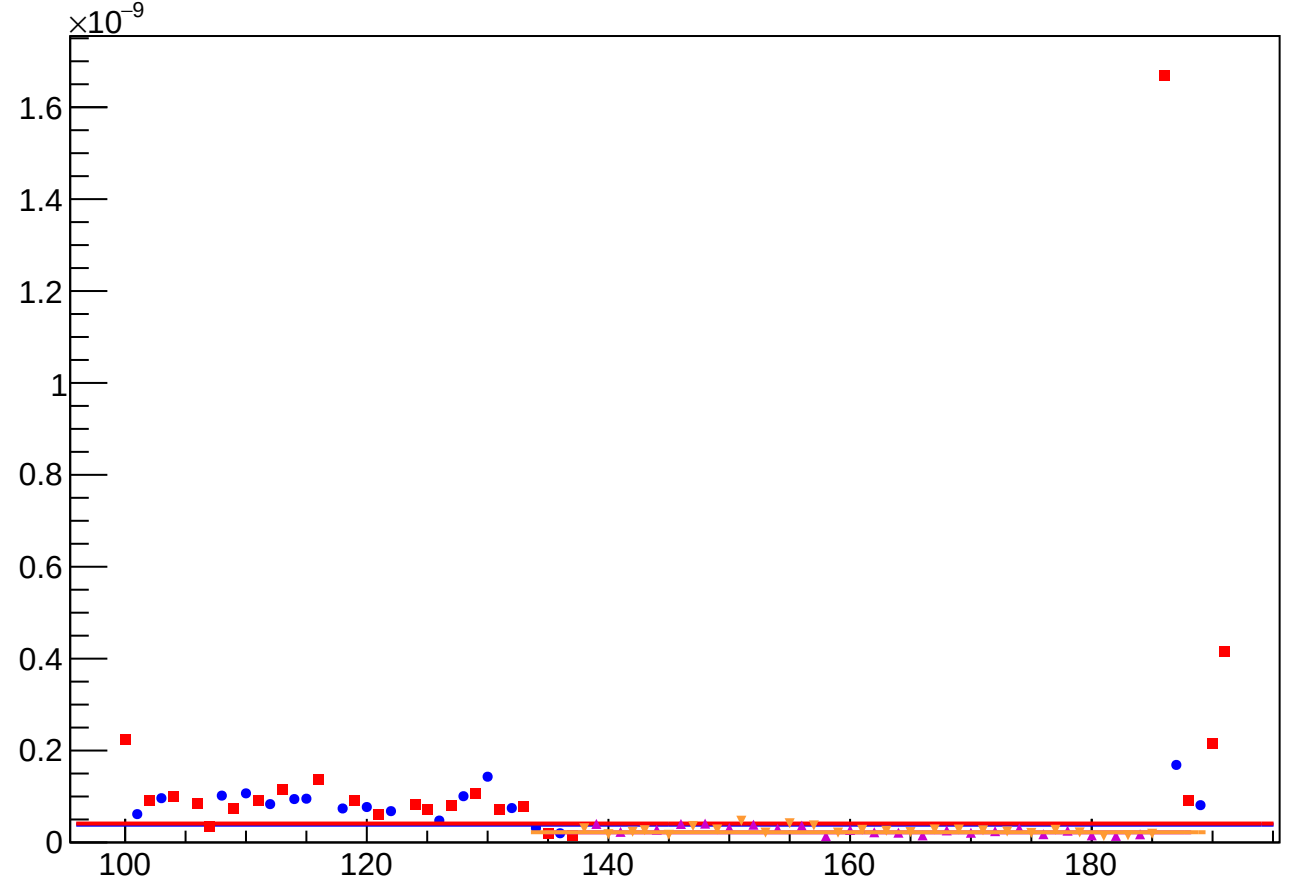
Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

+ sign 80.201+/-0.011 χ^2/NDF: 1708437.4/42

All: 80.838+/-0.008 χ^2/NDF: 3773967.1/88

- sign 81.493+/-0.011 χ^2/NDF: 2058801.9/45


asym_sam_26_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
5
4
3
2
1
0
−1
−2
100
120
140
160
180
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: 22.2/22
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: 102.0/88
- sign -0.000+/-0.000 χ²/NDF: 65.2/45



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: 5496869.5/22

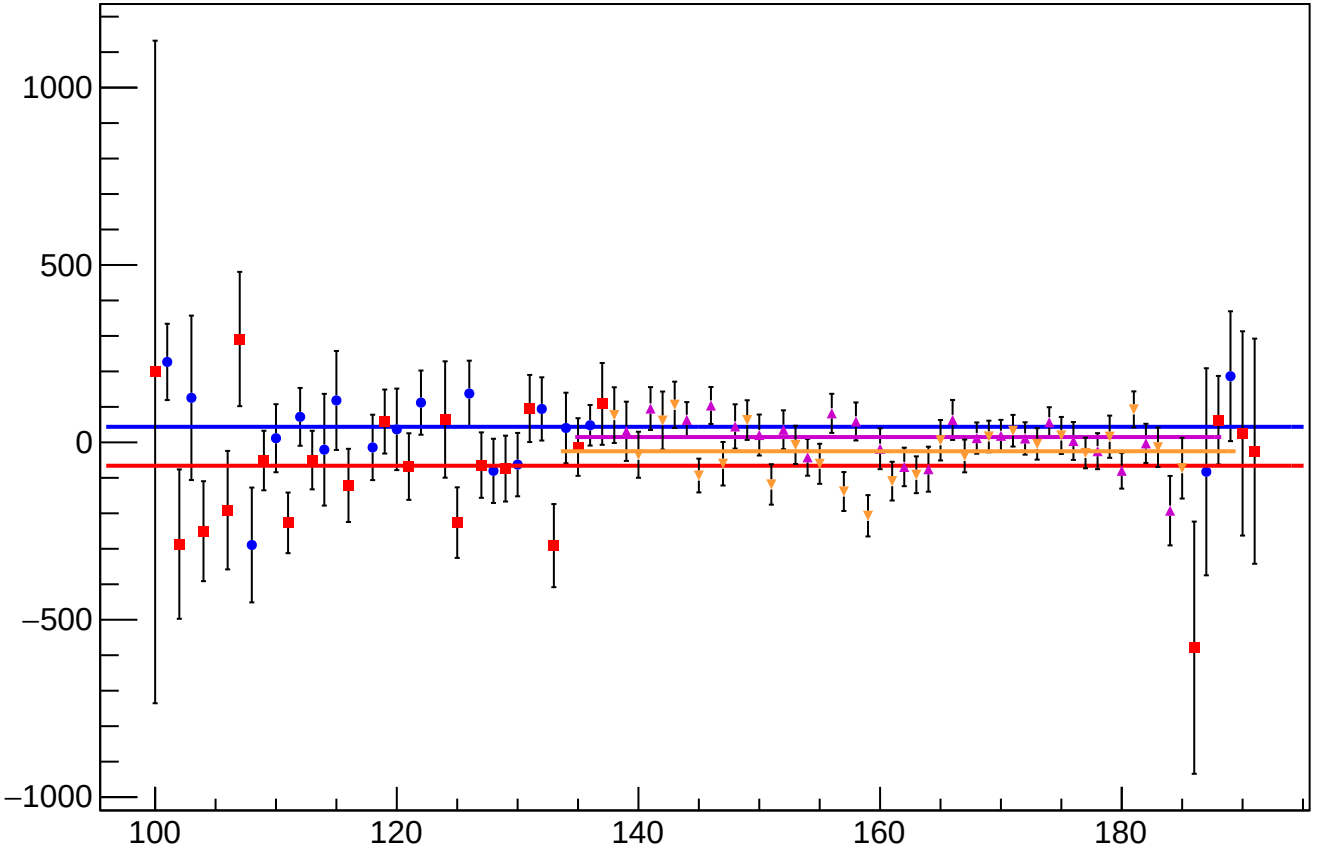
Left In: 0.000+/-0.000 χ^2/NDF:2802318.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7210170.9/42

All: 0.000+/-0.000 χ^2/NDF: 16931357.6/88

- sign 0.000+/-0.000 χ^2/NDF: 9721052.8/45

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: -65.863+/-23.761 χ^2/NDF: 28.6/22

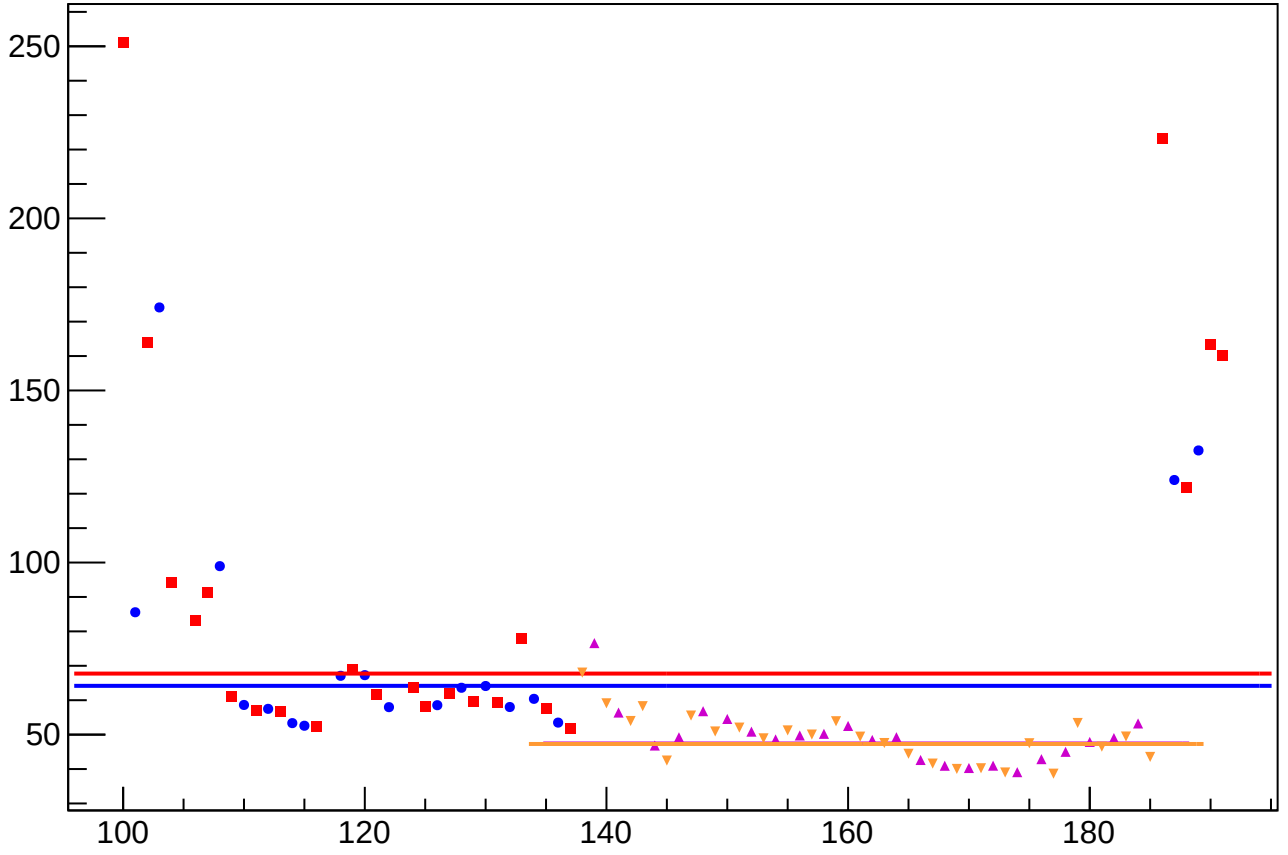
Left In: 14.994+/-11.218 χ^2/NDF:24.7/22

+ sign -13.173+/-9.909 χ^2/NDF: 64.3/42

All: -6.616+/-7.088 χ^2/NDF: 128.1/88

- sign 0.256+/-10.144 χ^2/NDF: 62.8/45

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

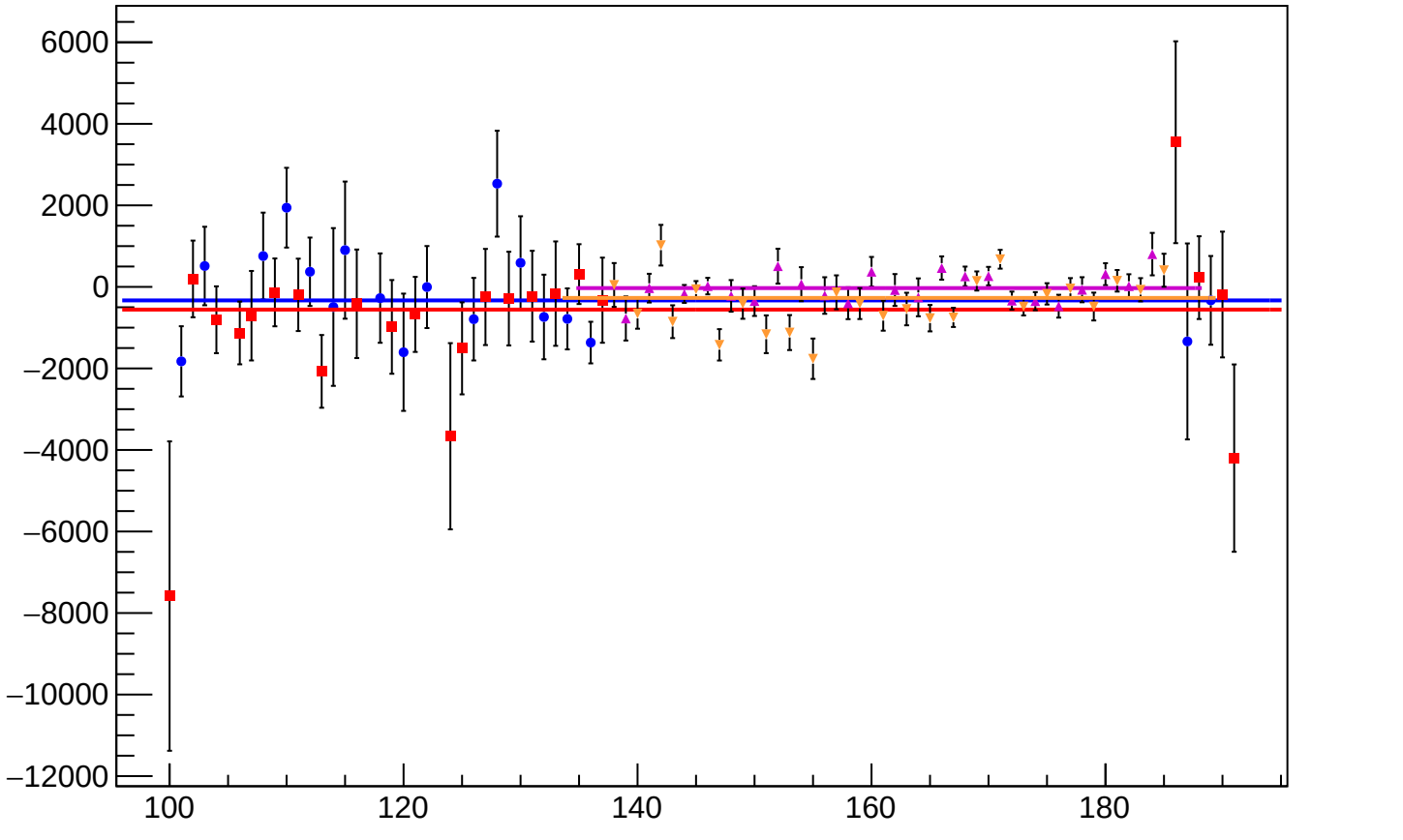
Right Out: 67.737+/-0.017 χ^2/NDF: 2036924.7/22

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 50.183+/-0.007 χ^2/NDF: 2674214.5/42

All: 50.644+/-0.005 χ^2/NDF: 6570832.3/88

- sign 51.127+/-0.007 χ^2/NDF: 3887748.6/45



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: -556.967+/-223.263 χ^2/NDF: 18.4/22

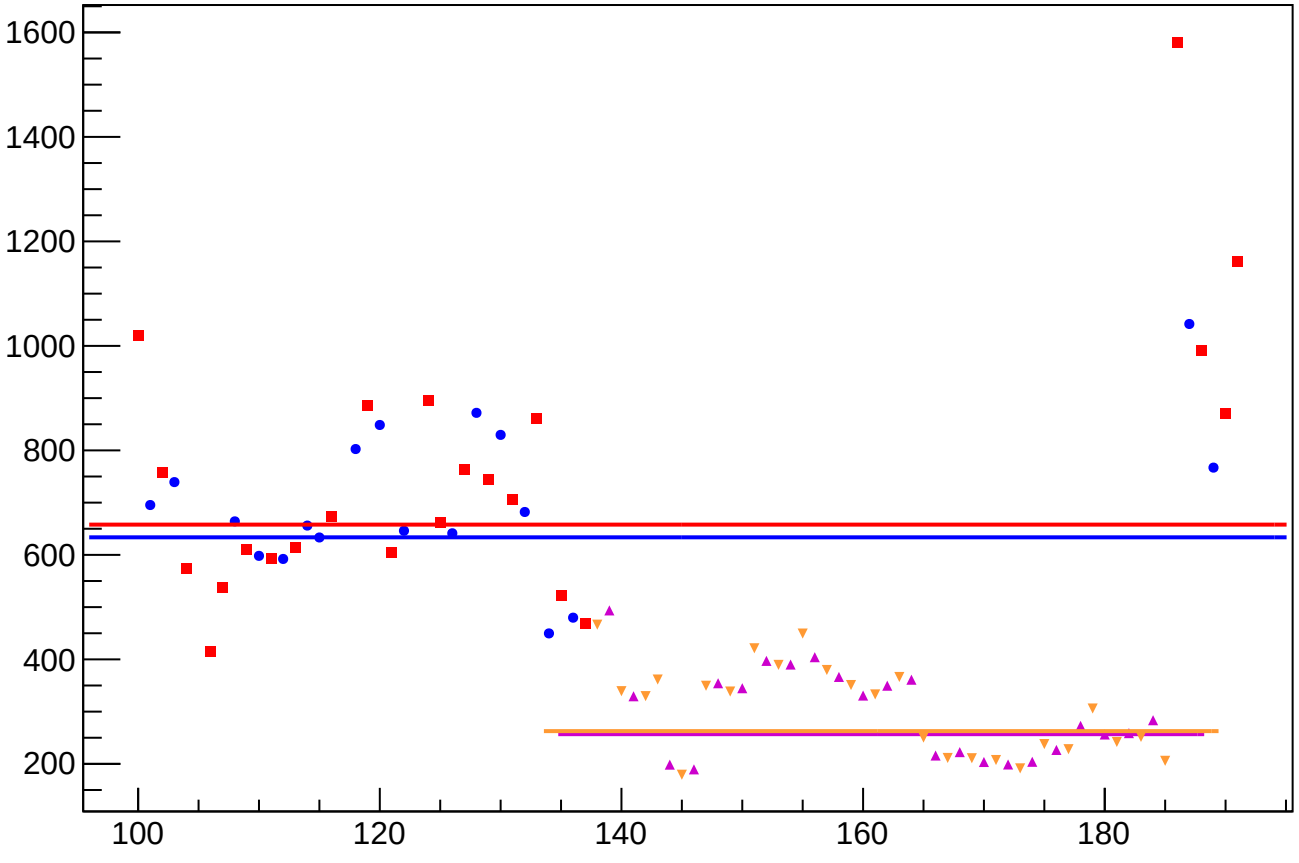
Left In: -29.200+/-62.671 χ^2/NDF:24.4/22

+ sign -275.110+/-60.207 χ^2/NDF: 96.9/42

All: -171.655+/-42.619 χ^2/NDF: 150.8/88

- sign -67.748+/-60.339 χ^2/NDF: 48.0/45

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: 657.920+/-0.158 χ^2/NDF: 1257070.4/22

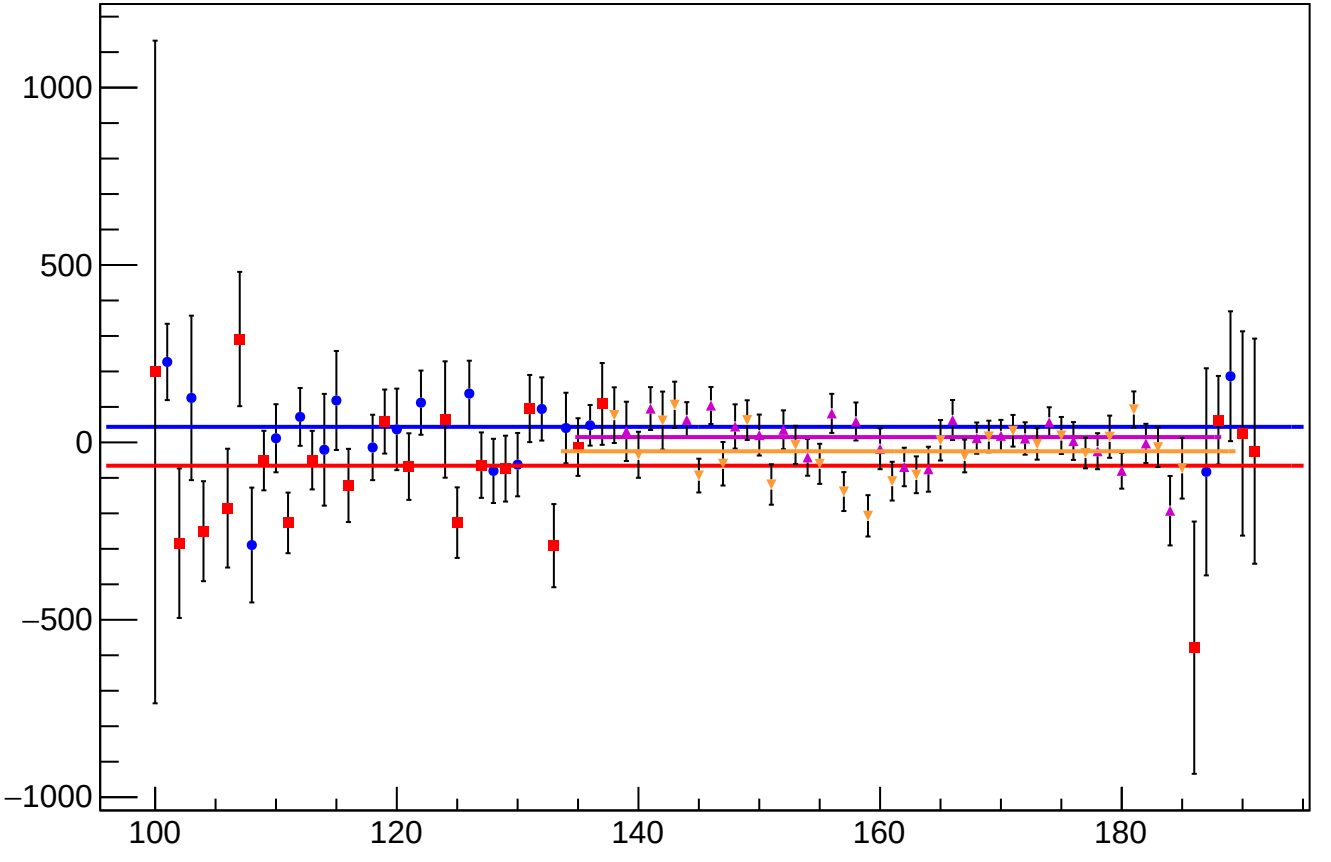
Left In: 256.842+/-0.044 χ^2/NDF:2639200.9/22

+ sign 287.687+/-0.043 χ^2/NDF: 8323328.7/42

All: 286.914+/-0.030 χ^2/NDF: 18203222.6/88

- sign 286.137+/-0.043 χ^2/NDF: 9879232.0/45

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: -65.688+/-23.762 χ^2/NDF: 28.6/22

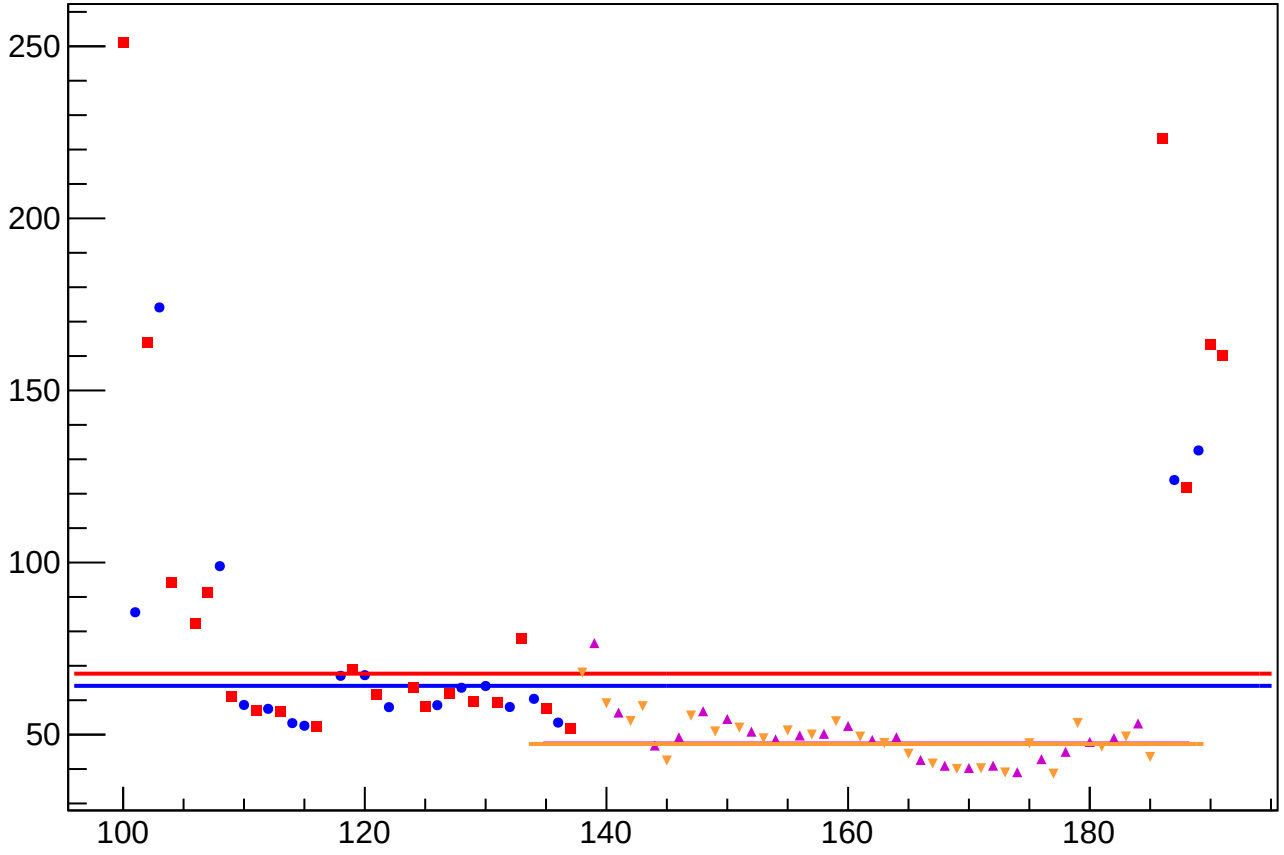
Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -13.171+/-9.909 χ^2/NDF: 64.3/42

All: -6.599+/-7.089 χ^2/NDF: 127.9/88

- sign 0.288+/-10.144 χ^2/NDF: 62.7/45

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

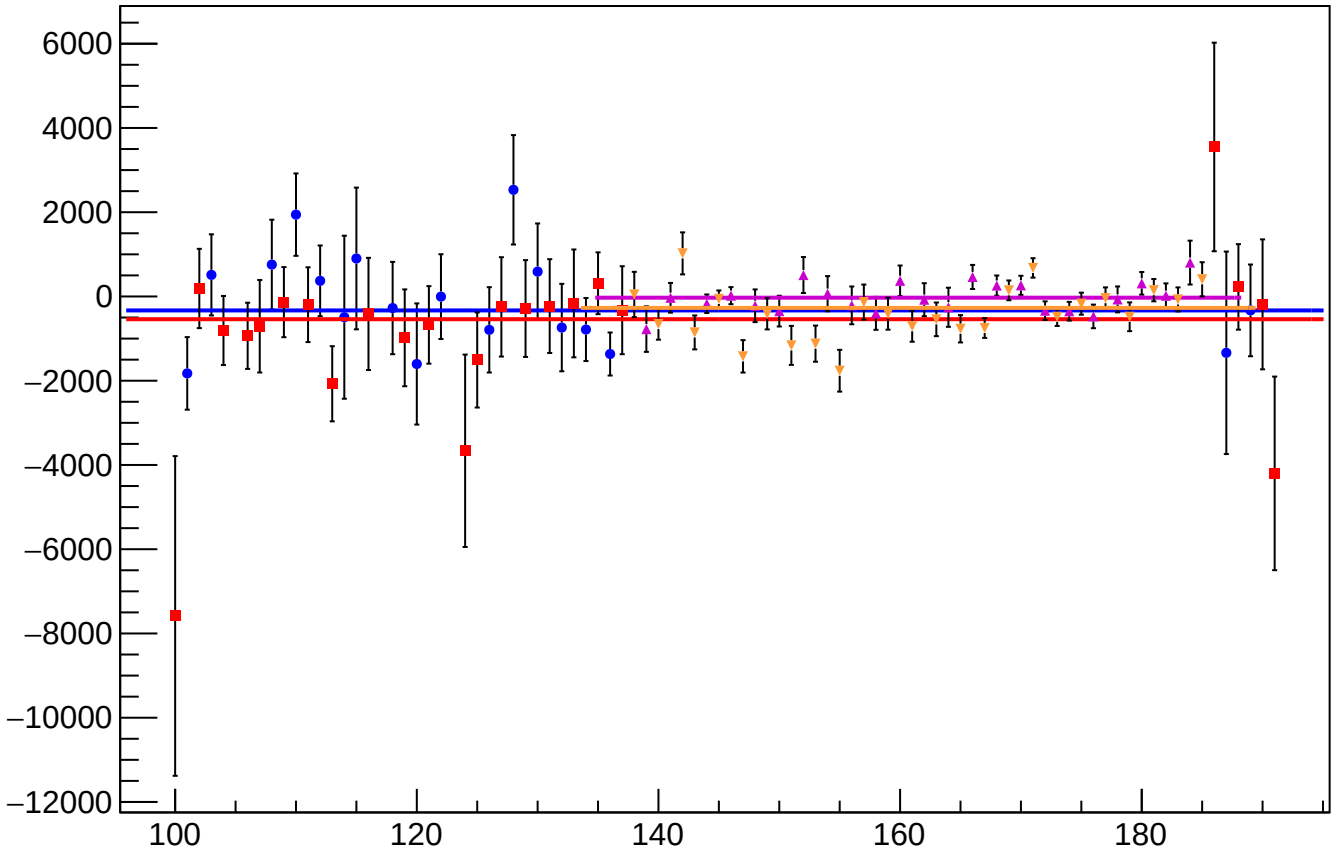
Right Out: 67.714+/-0.017 χ^2/NDF: 2034824.2/22

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 50.183+/-0.007 χ^2/NDF: 2674216.2/42

All: 50.642+/-0.005 χ^2/NDF: 6565904.7/88

- sign 51.123+/-0.007 χ^2/NDF: 3882902.3/45



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: -539.783+/-223.644 χ^2/NDF: 18.1/22

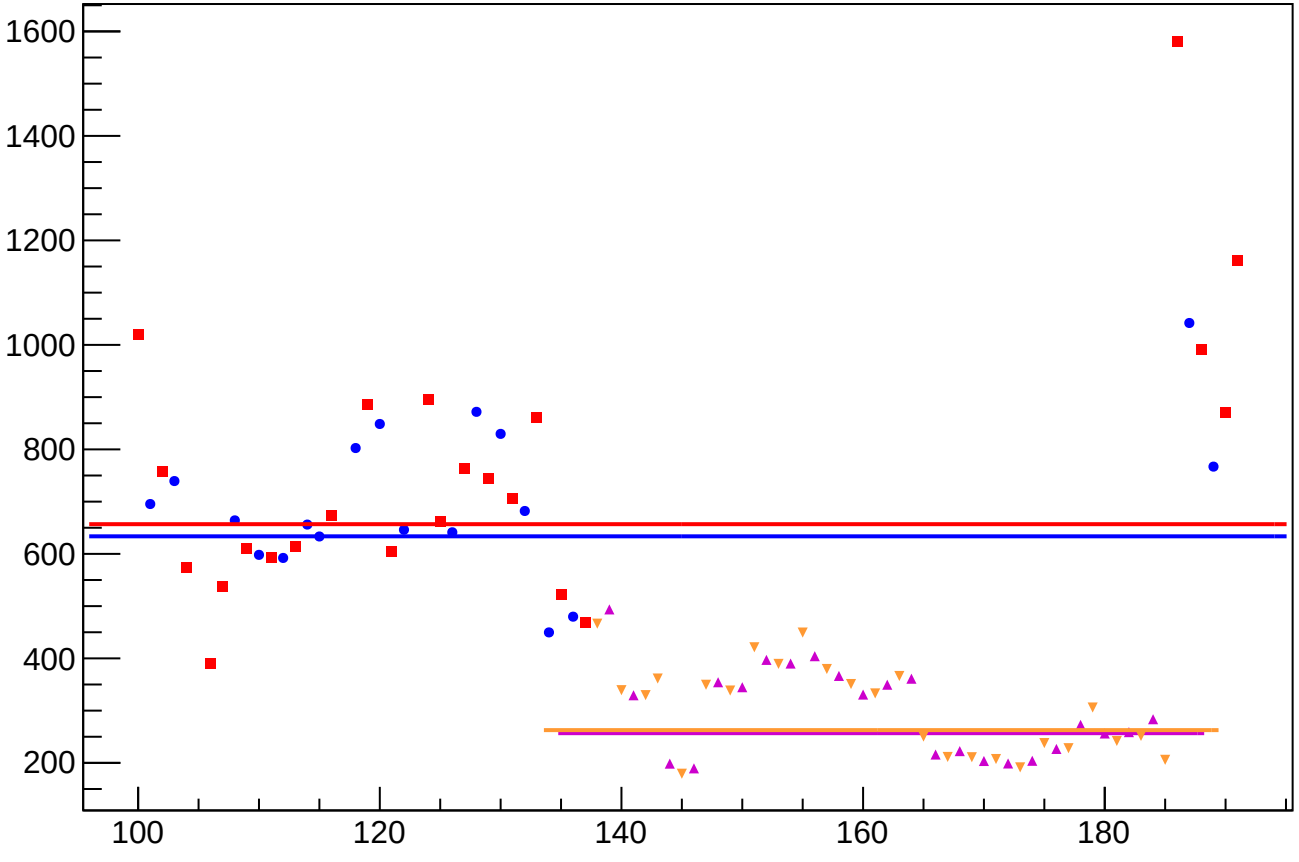
Left In: -29.202+/-62.671 χ^2/NDF:24.4/22

+ sign -275.105+/-60.207 χ^2/NDF: 96.8/42

All: -170.981+/-42.622 χ^2/NDF: 150.2/88

- sign -66.377+/-60.346 χ^2/NDF: 47.3/45

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: 656.855+/-0.158 χ^2/NDF: 1288257.9/22

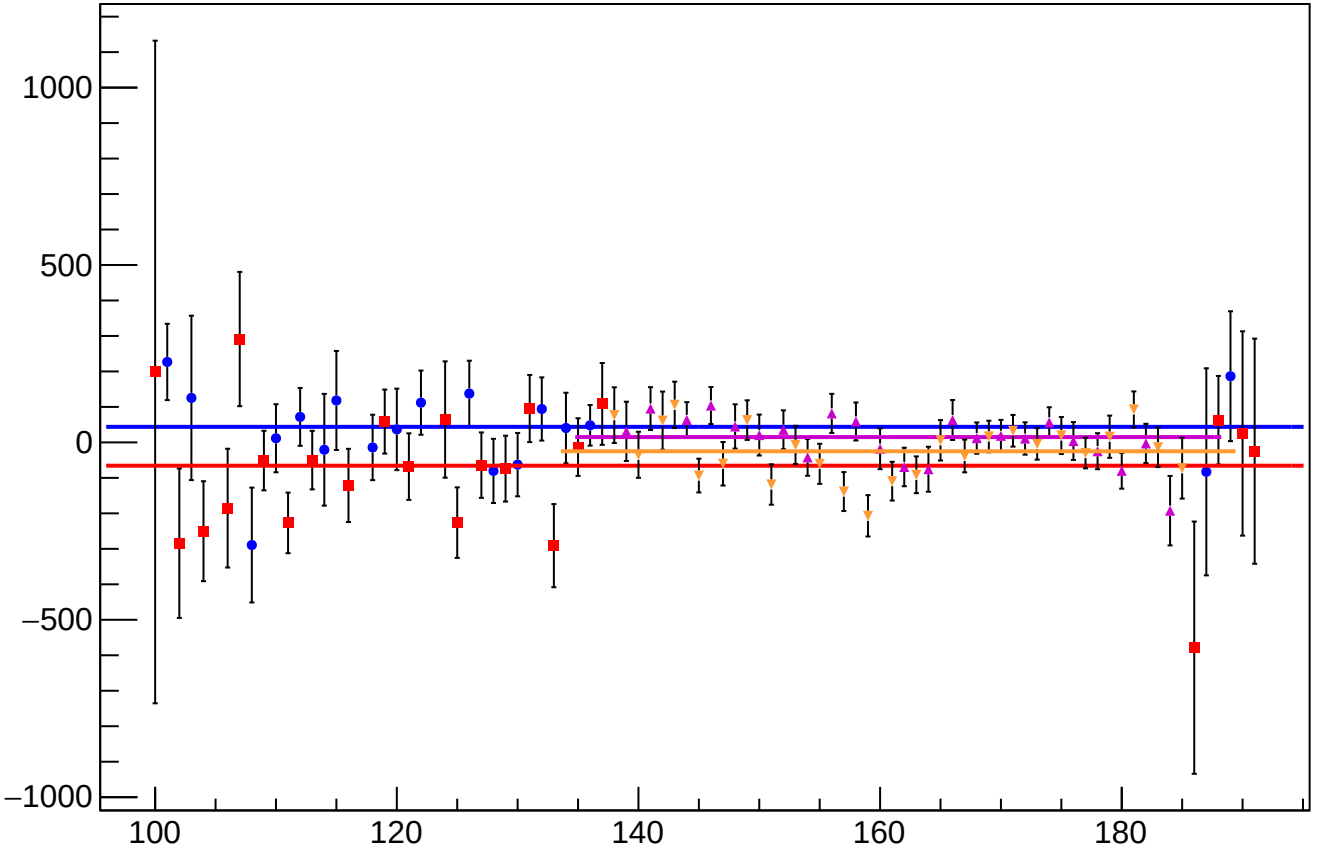
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 287.687+/-0.043 χ^2/NDF: 8323382.9/42

All: 286.829+/-0.030 χ^2/NDF: 18184076.8/88

- sign 285.967+/-0.043 χ^2/NDF: 9859879.1/45

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: -65.688+/-23.762 χ^2/NDF: 28.6/22

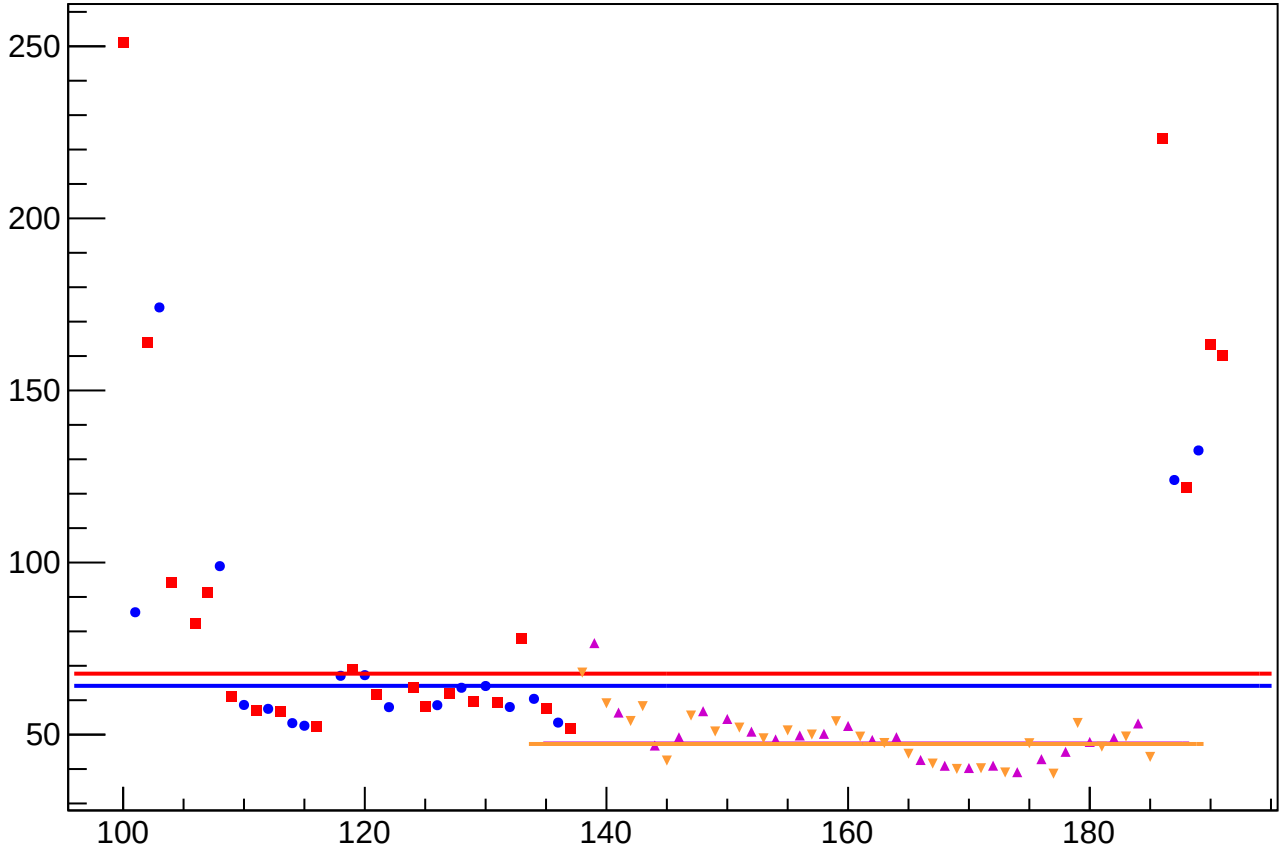
Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -13.171+/-9.909 χ^2/NDF: 64.3/42

All: -6.599+/-7.089 χ^2/NDF: 127.9/88

- sign 0.288+/-10.144 χ^2/NDF: 62.7/45

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

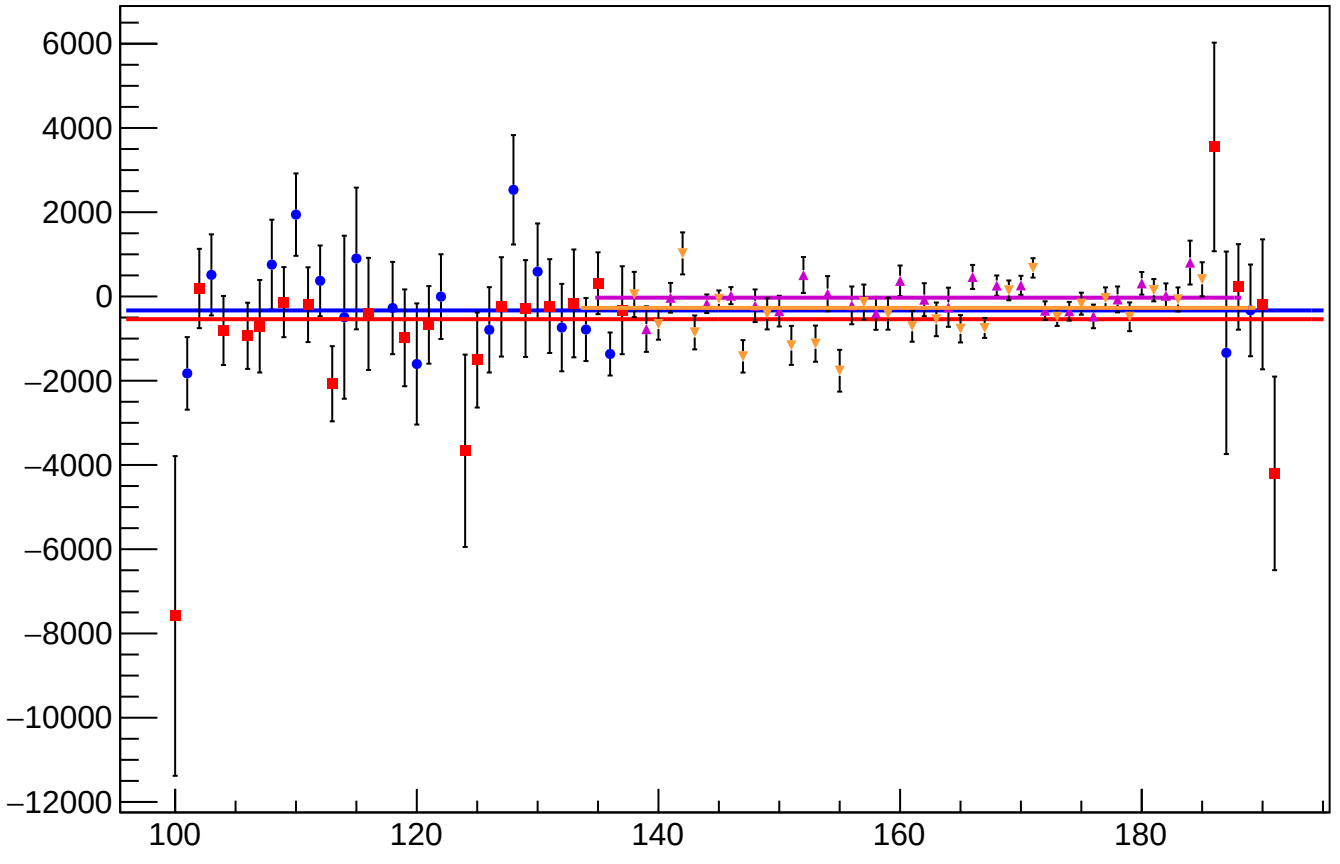
Right Out: 67.714+/-0.017 χ^2/NDF: 2034824.2/22

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 50.183+/-0.007 χ^2/NDF: 2674216.2/42

All: 50.642+/-0.005 χ^2/NDF: 6565904.7/88

- sign 51.123+/-0.007 χ^2/NDF: 3882902.3/45



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: -539.783+/-223.644 χ^2/NDF: 18.1/22

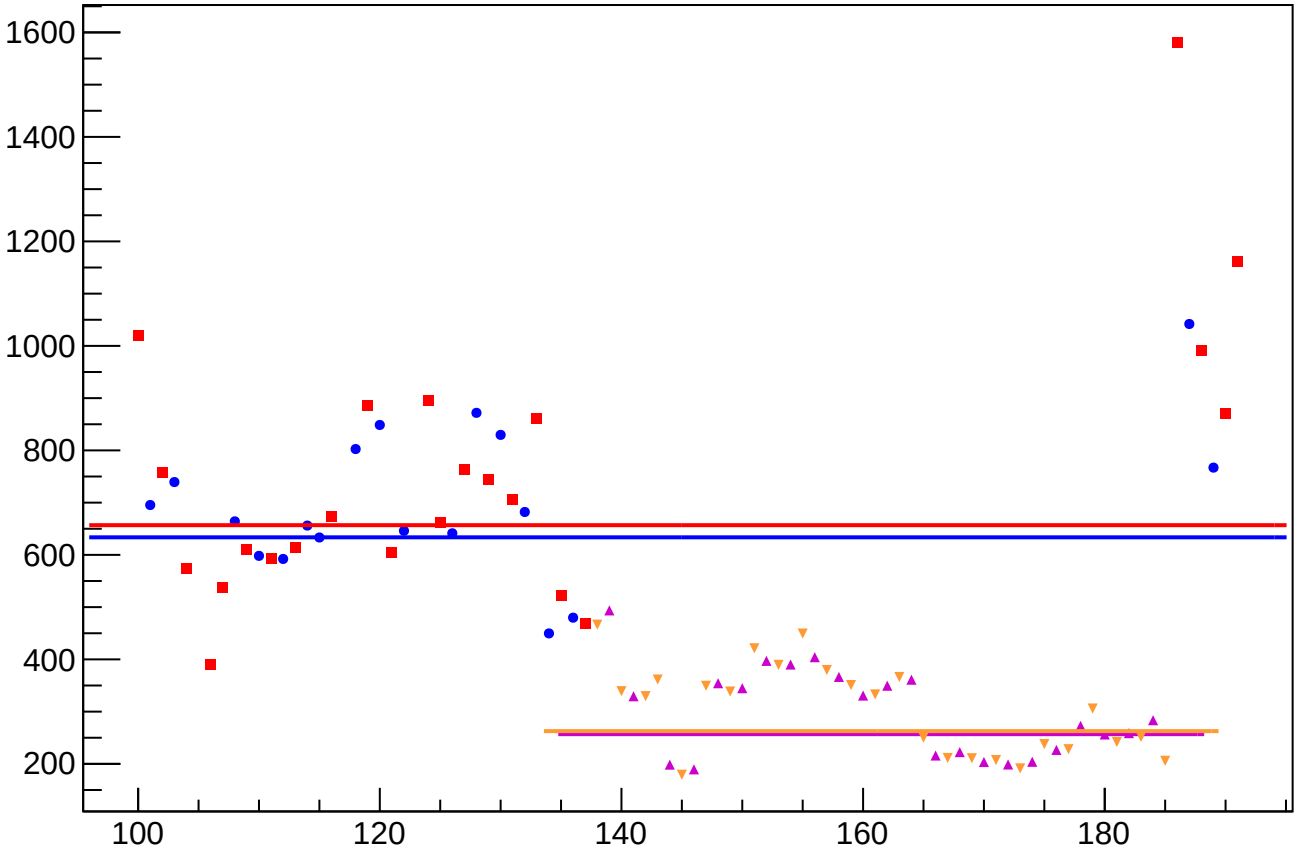
Left In: -29.202+/-62.671 χ^2/NDF:24.4/22

+ sign -275.105+/-60.207 χ^2/NDF: 96.8/42

All: -170.981+/-42.622 χ^2/NDF: 150.2/88

- sign -66.377+/-60.346 χ^2/NDF: 47.3/45

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: 656.855+/-0.158 χ^2/NDF: 1288257.9/22

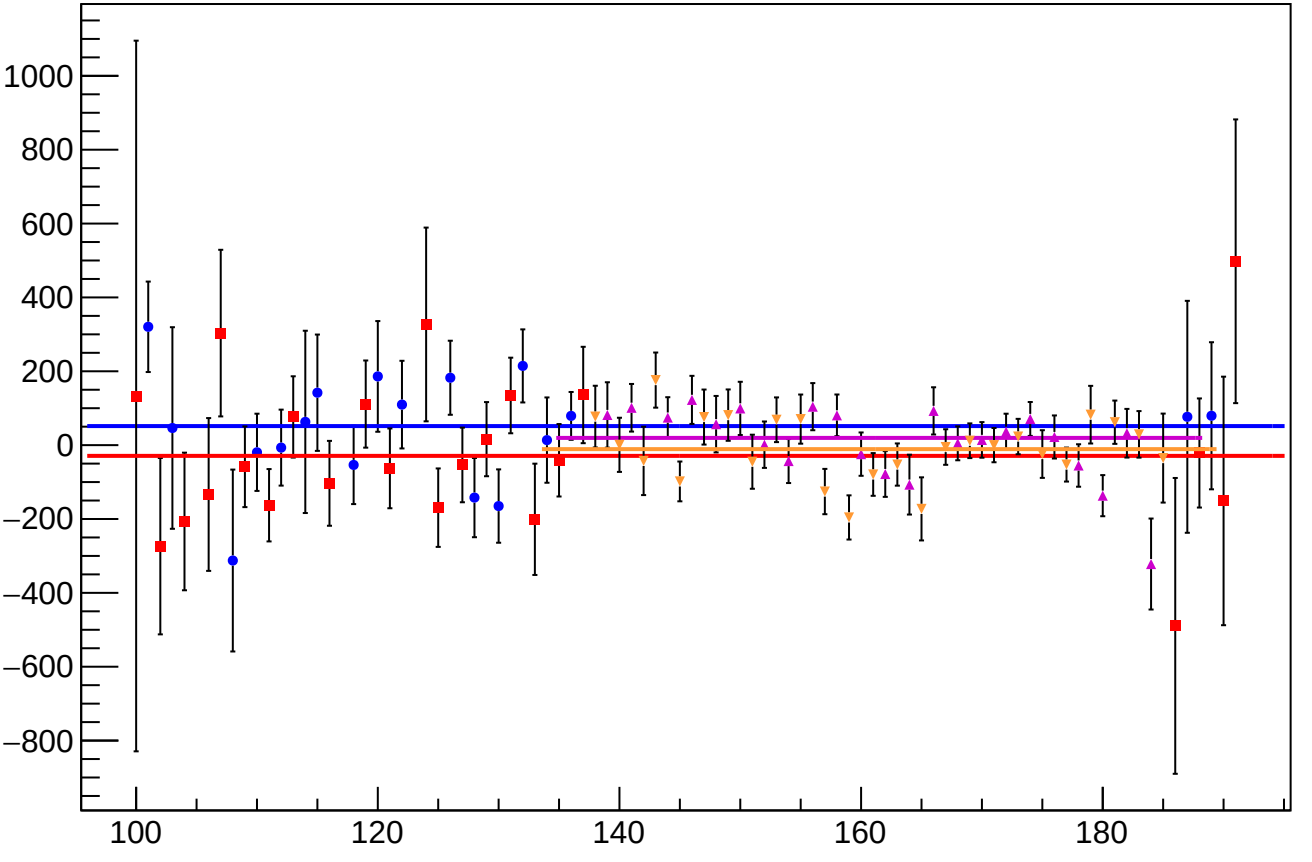
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 287.687+/-0.043 χ^2/NDF: 8323382.9/42

All: 286.829+/-0.030 χ^2/NDF: 18184076.8/88

- sign 285.967+/-0.043 χ^2/NDF: 9859879.1/45

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: -29.056+/-28.125 χ^2/NDF: 21.8/22

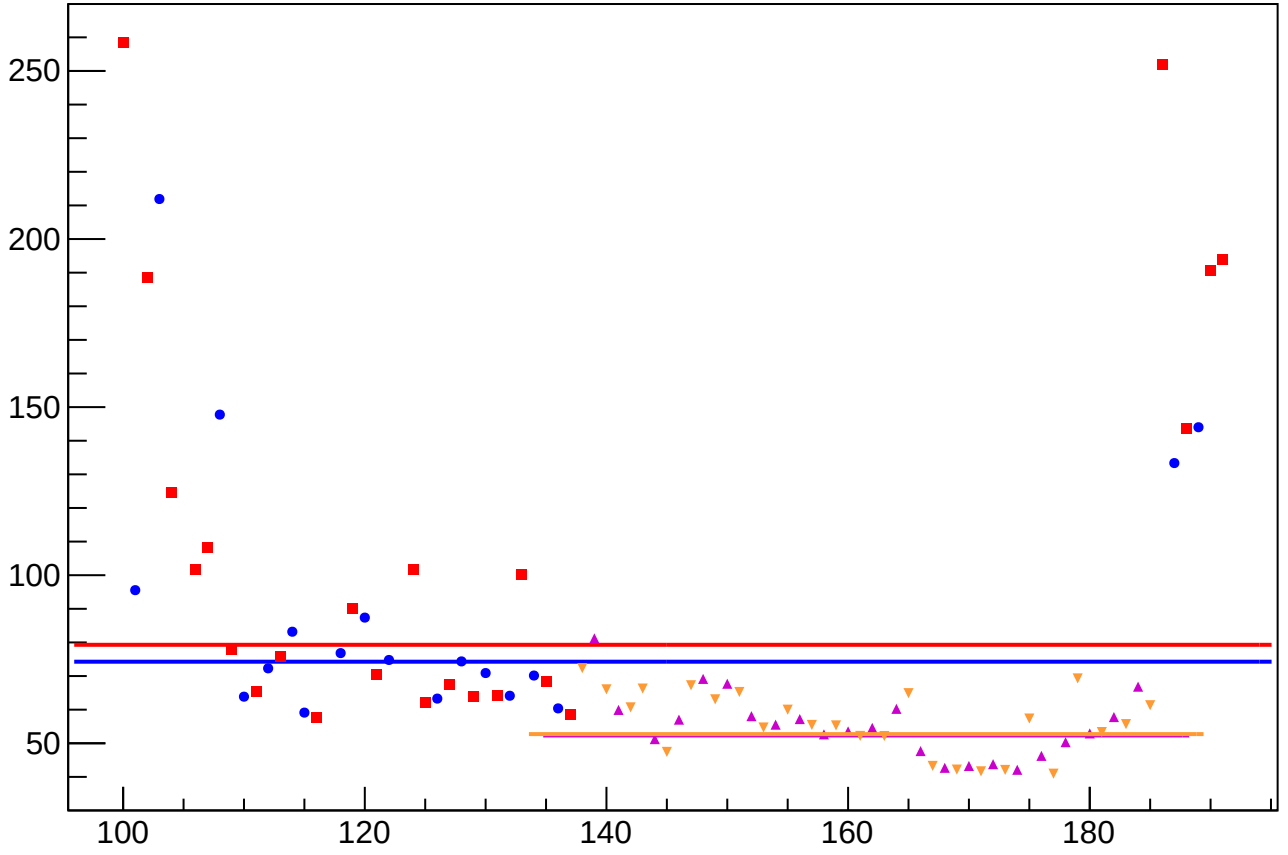
Left In: 19.597+/-12.546 χ^2/NDF:36.8/22

+ sign -0.669+/-11.261 χ^2/NDF: 67.5/42

All: 5.321+/-8.031 χ^2/NDF: 129.2/88

- sign 11.523+/-11.458 χ^2/NDF: 61.1/45

dit_asym_sam_37_dd_rms vs Slug



Right In: 74.268+/-0.020 χ^2/NDF: 1263185.2/17

Left Out: 52.731+/-0.009 χ^2/NDF:1167195.4/24

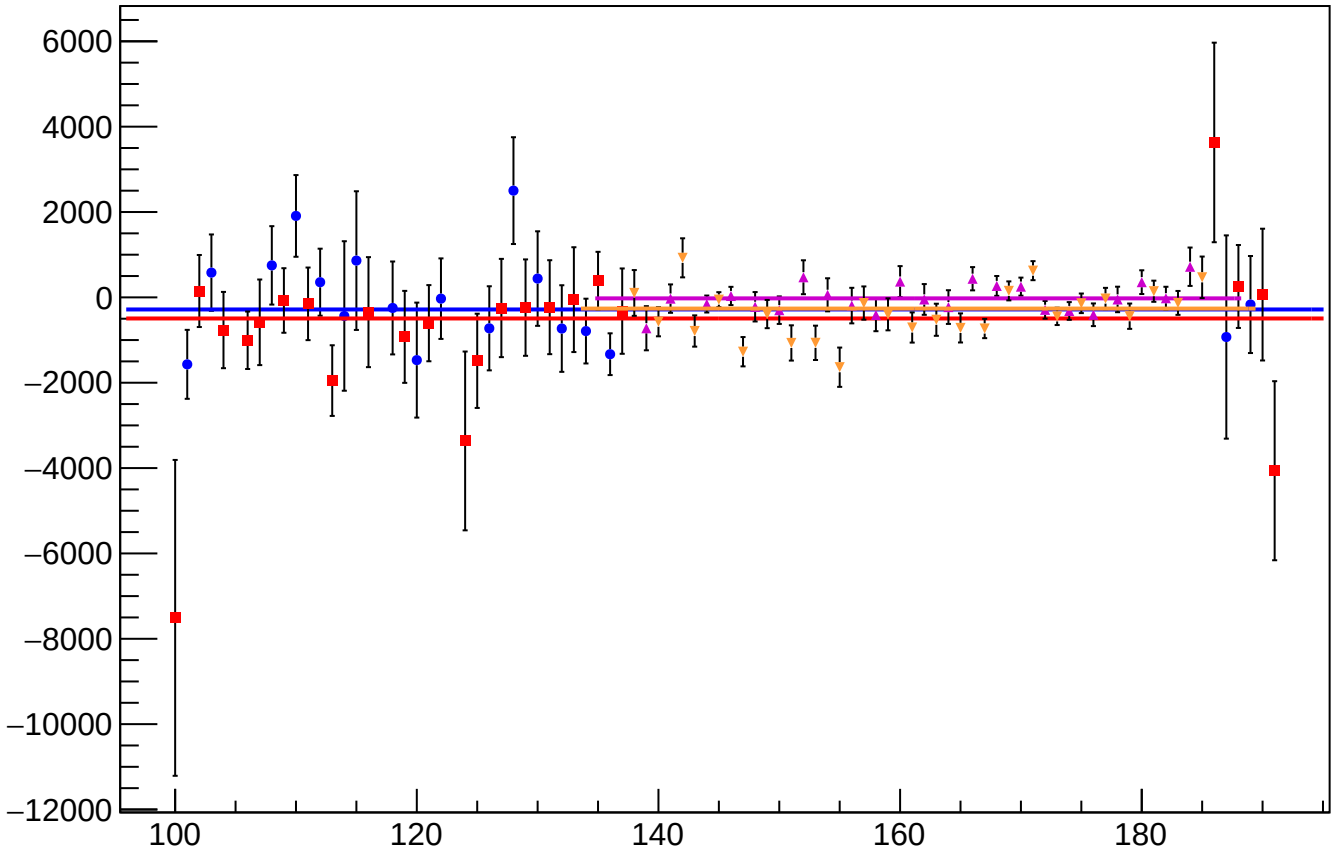
Right Out: 79.297+/-0.020 χ^2/NDF: 2256060.4/22

Left In: 52.314+/-0.009 χ^2/NDF:891847.5/22

+ sign 56.234+/-0.008 χ^2/NDF: 3426680.1/42

All: 56.508+/-0.006 χ^2/NDF: 8112314.8/88

- sign 56.792+/-0.008 χ^2/NDF: 4683221.6/45



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: -494.562+/-211.378 χ^2/NDF: 20.0/22

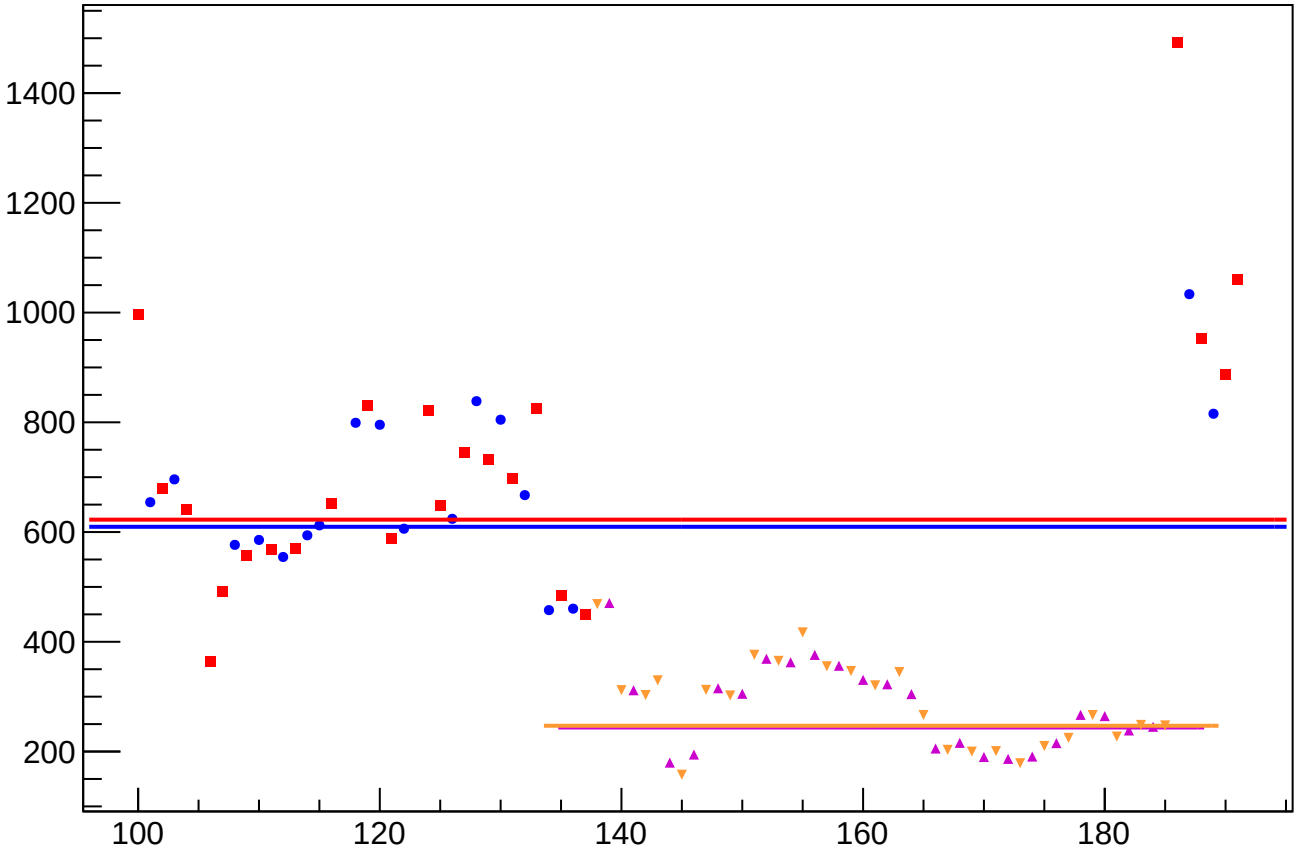
Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -263.923+/-56.576 χ^2/NDF: 95.1/42

All: -162.031+/-40.218 χ^2/NDF: 150.5/88

- sign -57.944+/-57.182 χ^2/NDF: 48.8/45

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: 622.610+/-0.149 χ^2/NDF: 1391466.3/22

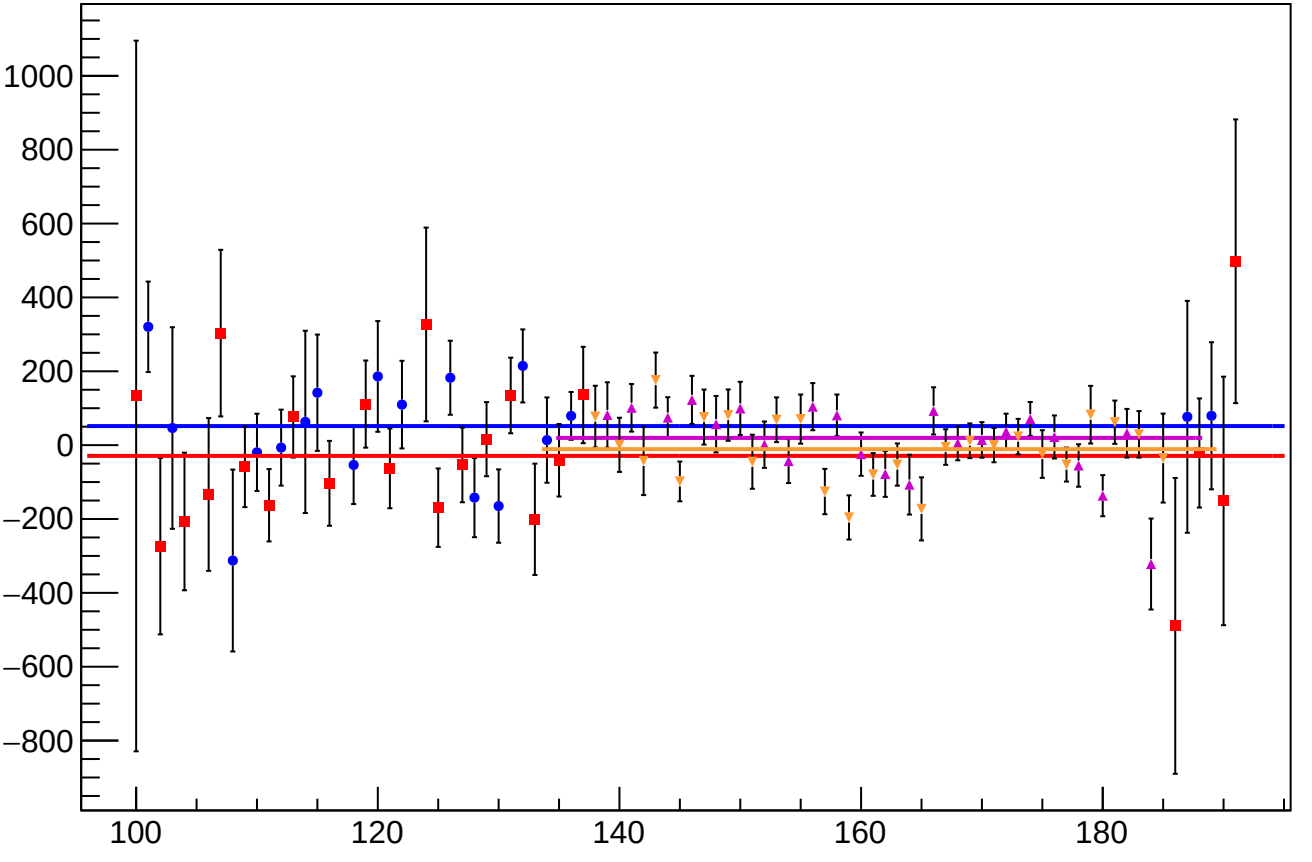
Left In: 243.825+/-0.042 χ^2/NDF:2490545.8/22

+ sign 270.466+/-0.040 χ^2/NDF: 8567542.3/42

All: 271.000+/-0.028 χ^2/NDF: 18402274.2/88

- sign 271.545+/-0.040 χ^2/NDF: 9834371.9/45

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

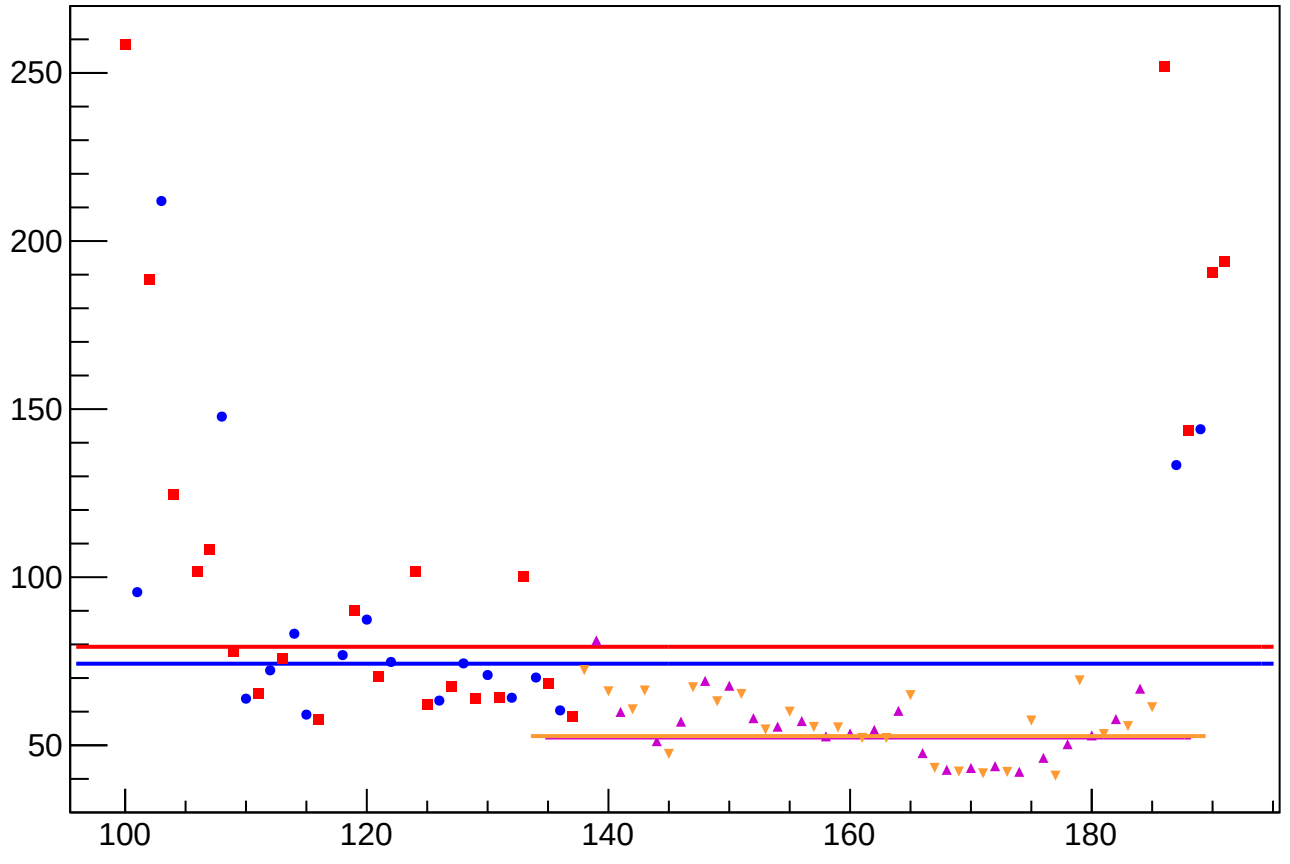
Right Out: -29.055+/-28.125 χ^2/NDF: 21.8/22

Left In: 19.598+/-12.546 χ^2/NDF:36.8/22

+ sign -0.669+/-11.261 χ^2/NDF: 67.5/42

All: 5.322+/-8.031 χ^2/NDF: 129.2/88

- sign 11.523+/-11.458 χ^2/NDF: 61.1/45



Right In: 74.268+/-0.020 χ^2/NDF: 1263190.4/17

Left Out: 52.731+/-0.009 χ^2/NDF:1167223.2/24

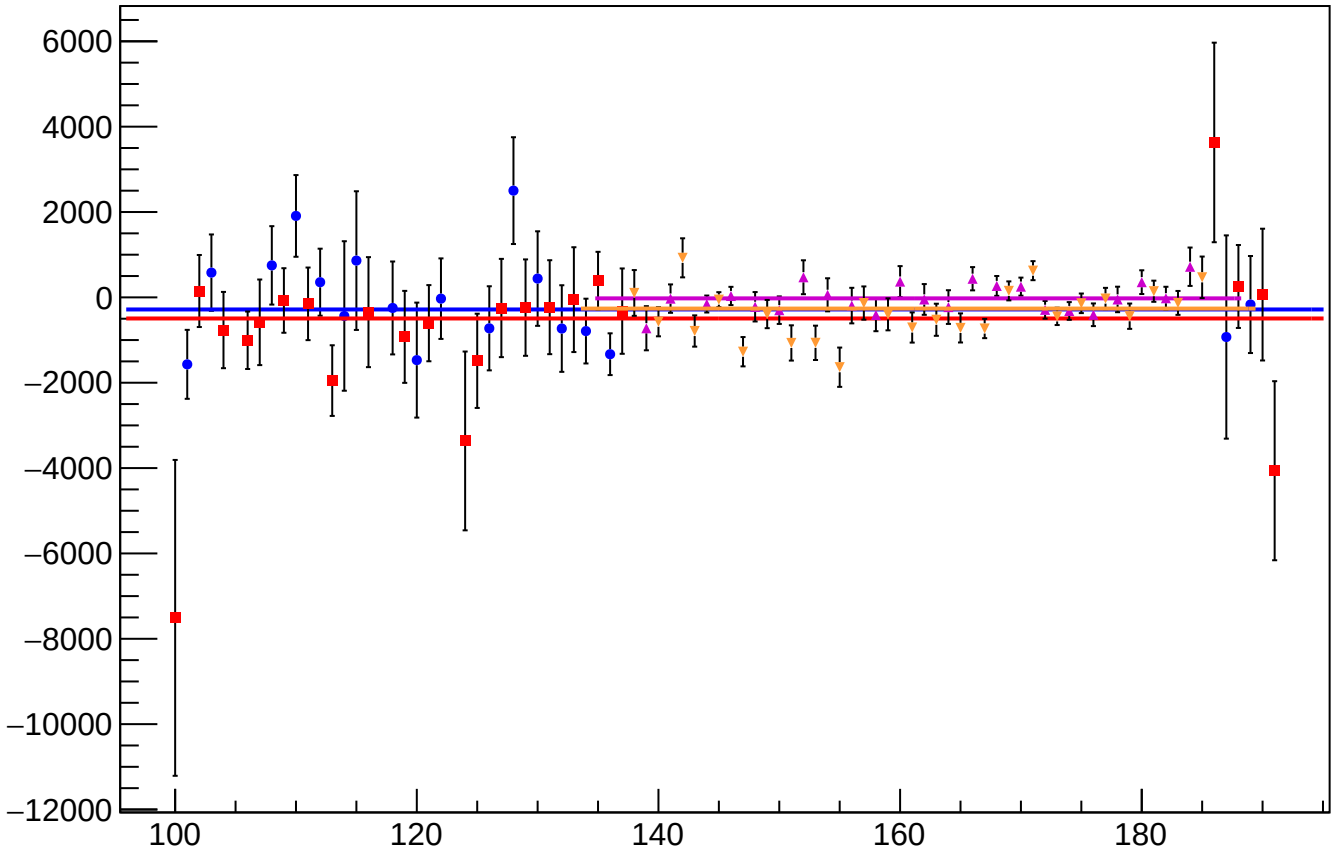
Right Out: 79.297+/-0.020 χ^2/NDF: 2256059.3/22

Left In: 52.314+/-0.009 χ^2/NDF:891856.0/22

+ sign 56.234+/-0.008 χ^2/NDF: 3426696.2/42

All: 56.508+/-0.006 χ^2/NDF: 8112324.2/88

- sign 56.792+/-0.008 χ^2/NDF: 4683215.0/45



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: -494.562+/-211.378 χ^2/NDF: 20.0/22

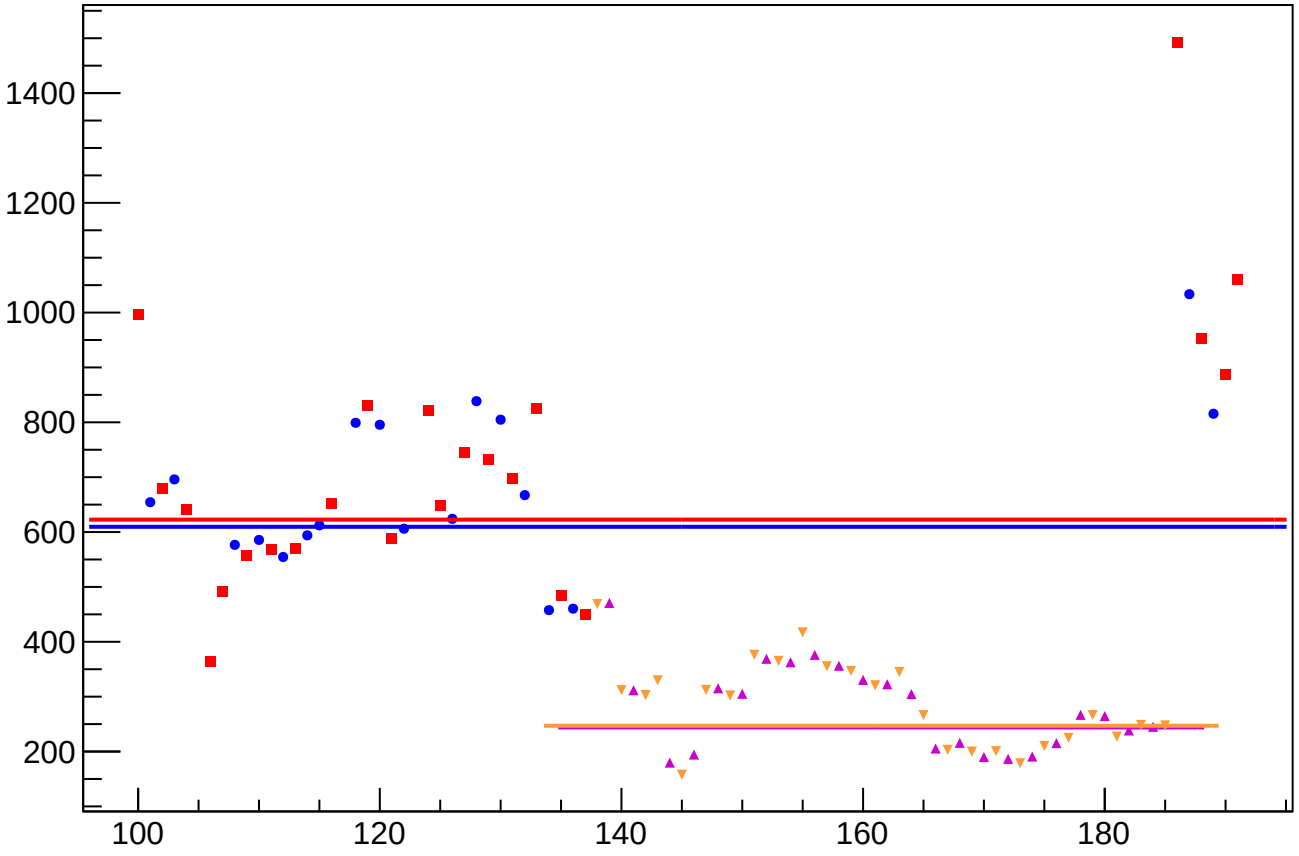
Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -263.923+/-56.576 χ^2/NDF: 95.1/42

All: -162.031+/-40.218 χ^2/NDF: 150.5/88

- sign -57.944+/-57.182 χ^2/NDF: 48.8/45

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: 622.609+/-0.149 χ^2/NDF: 1391461.4/22

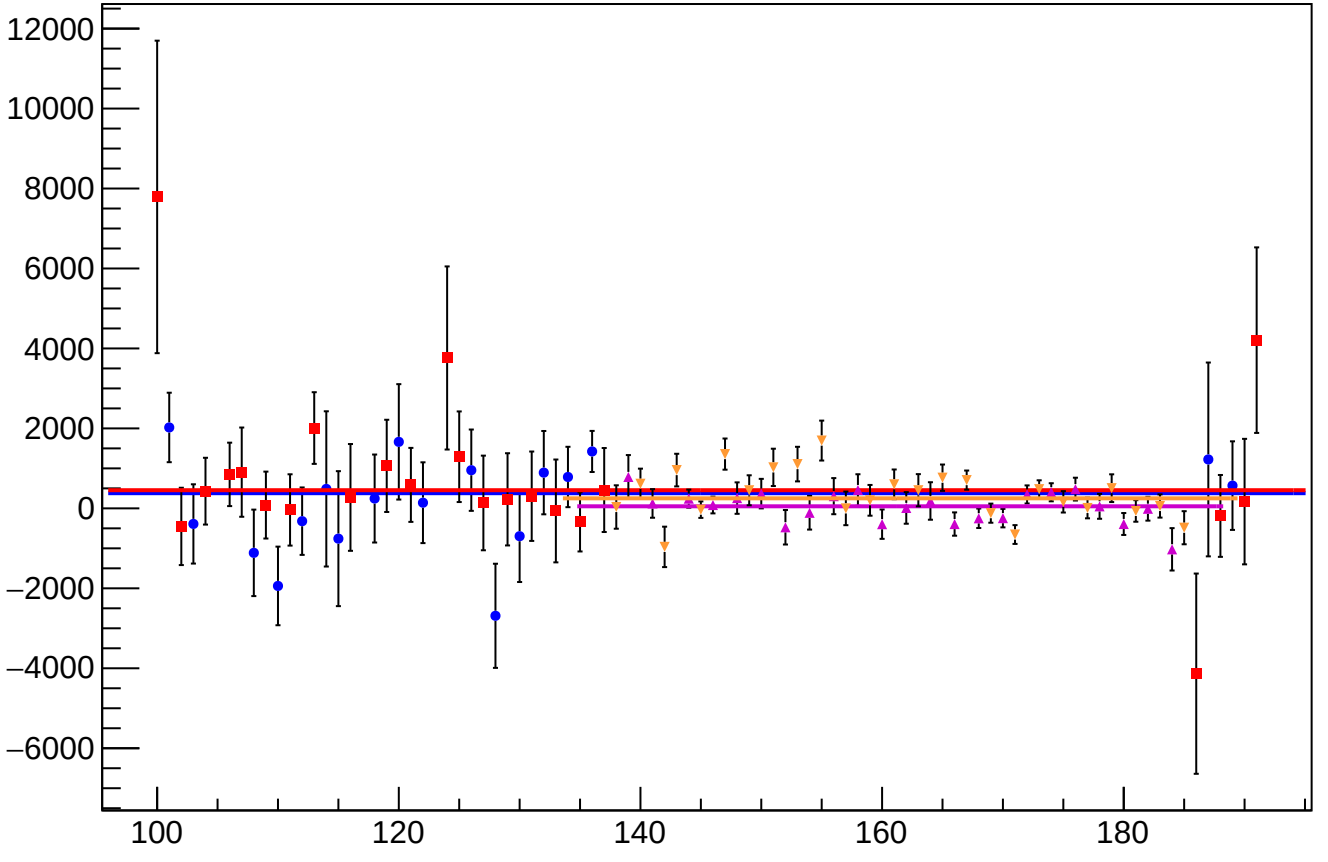
Left In: 243.825+/-0.042 χ^2/NDF:2490539.0/22

+ sign 270.466+/-0.040 χ^2/NDF: 8567535.4/42

All: 270.999+/-0.028 χ^2/NDF: 18402259.2/88

- sign 271.545+/-0.040 χ^2/NDF: 9834363.9/45

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: 454.090+/-225.559 χ^2/NDF: 19.1/22

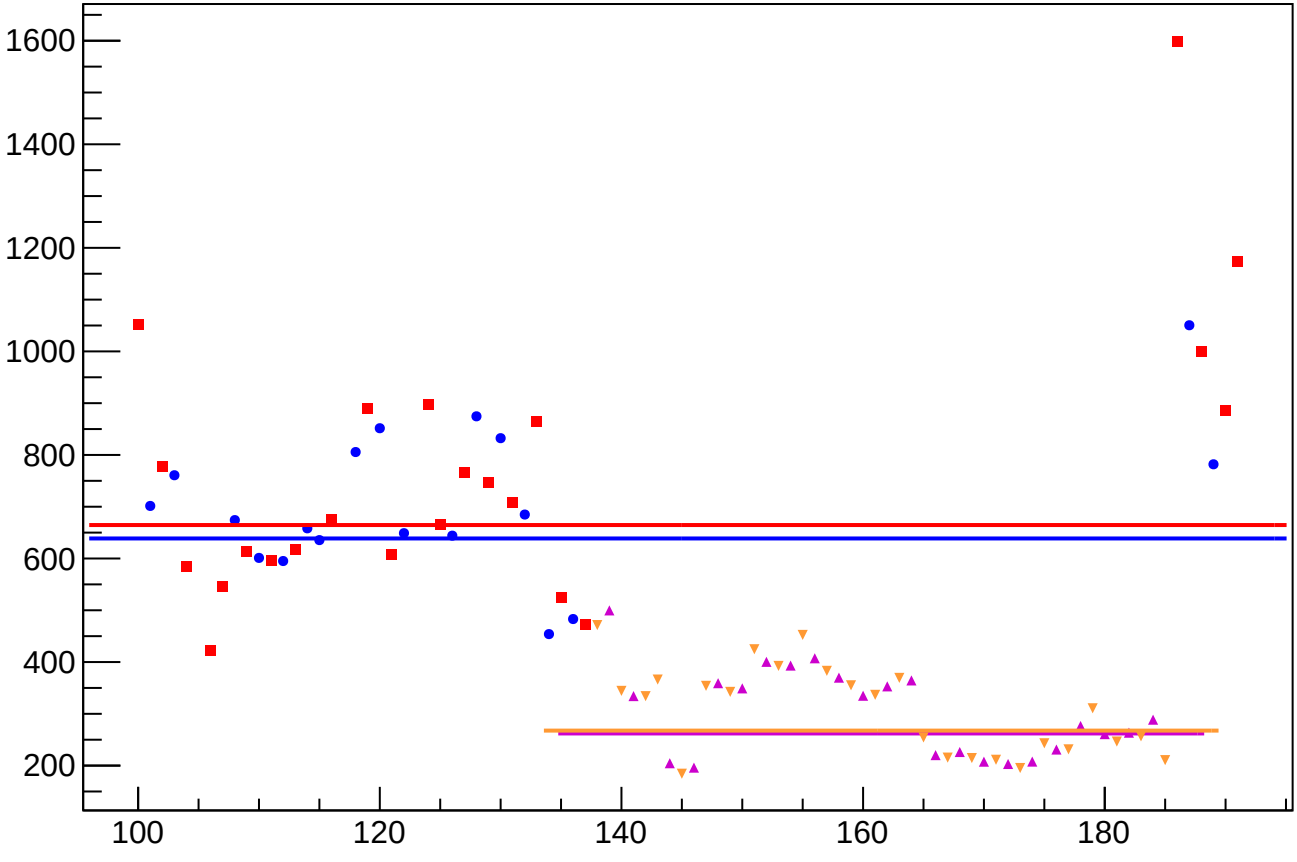
Left In: 51.707+/-63.843 χ^2/NDF:26.8/22

+ sign 259.920+/-61.210 χ^2/NDF: 93.0/42

All: 171.055+/-43.360 χ^2/NDF: 146.1/88

- sign 81.553+/-61.430 χ^2/NDF: 48.9/45

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

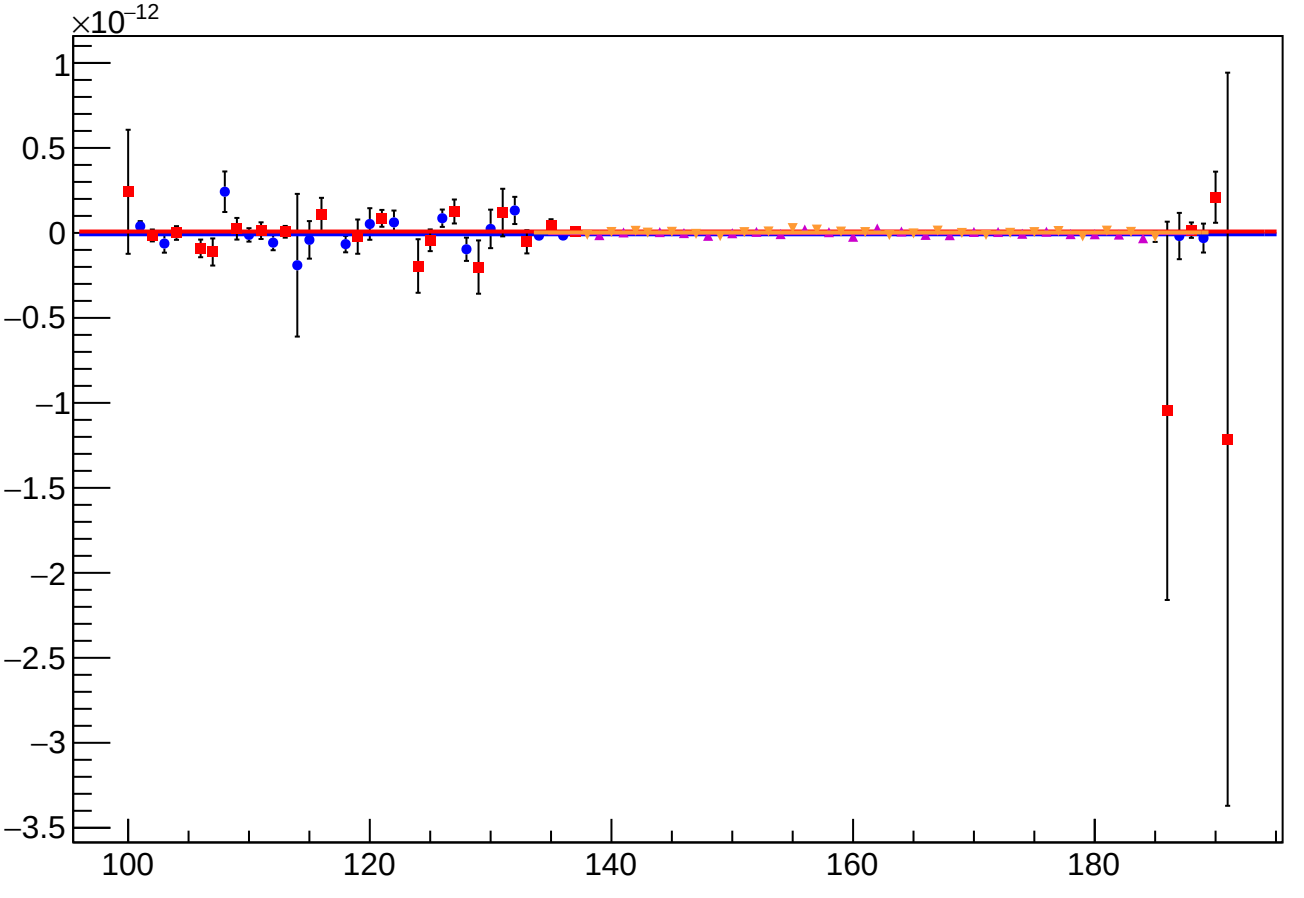
Right Out: 664.617+/-0.159 χ^2/NDF: 1246493.1/22

Left In: 262.092+/-0.045 χ^2/NDF:2537465.8/22

+ sign 293.036+/-0.043 χ^2/NDF: 8158681.3/42

All: 292.494+/-0.031 χ^2/NDF: 17839882.8/88

- sign 291.948+/-0.043 χ^2/NDF: 9680886.7/45



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

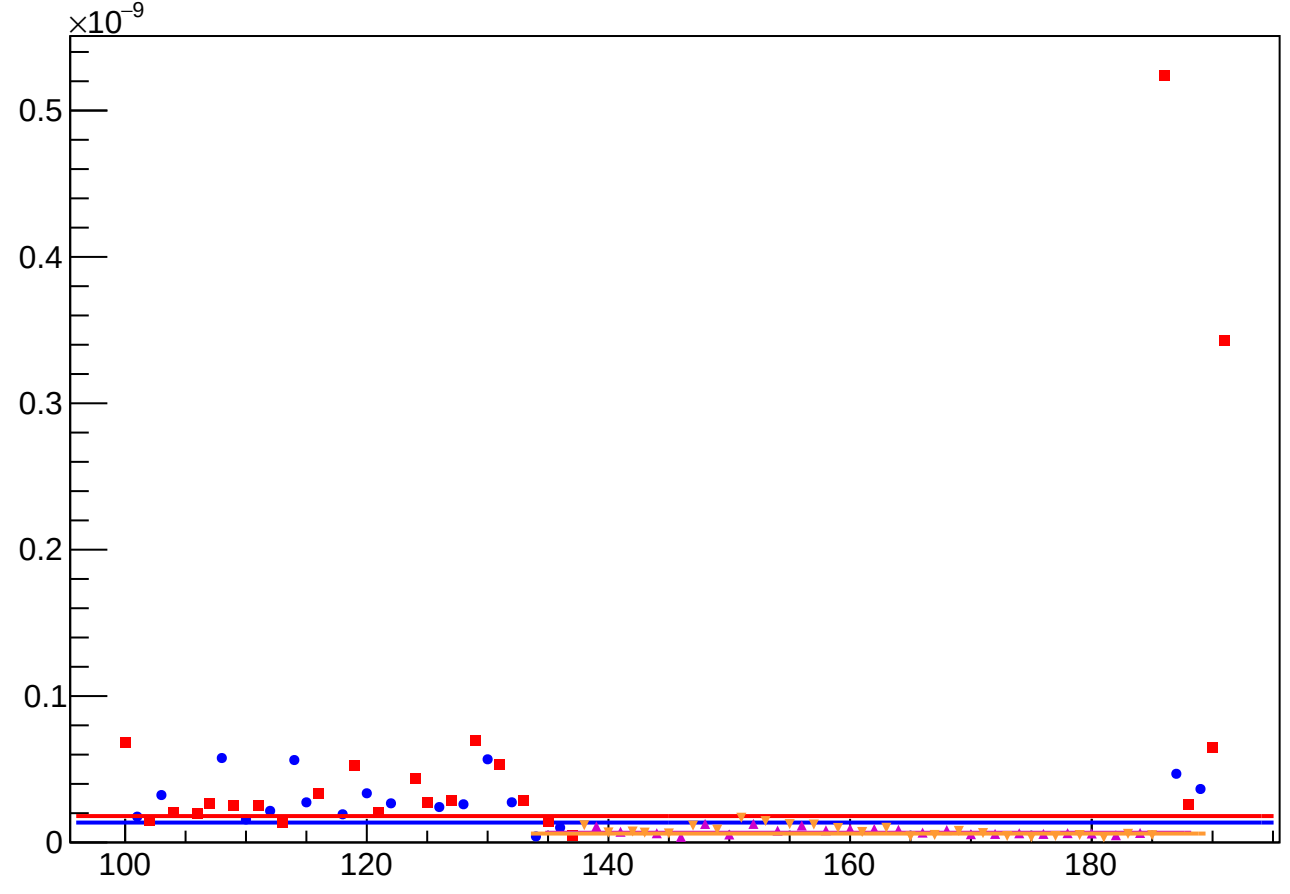
Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/22

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: 74.1/88

- sign -0.000+/-0.000 χ^2/NDF: 36.0/45



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: 2372736.1/22

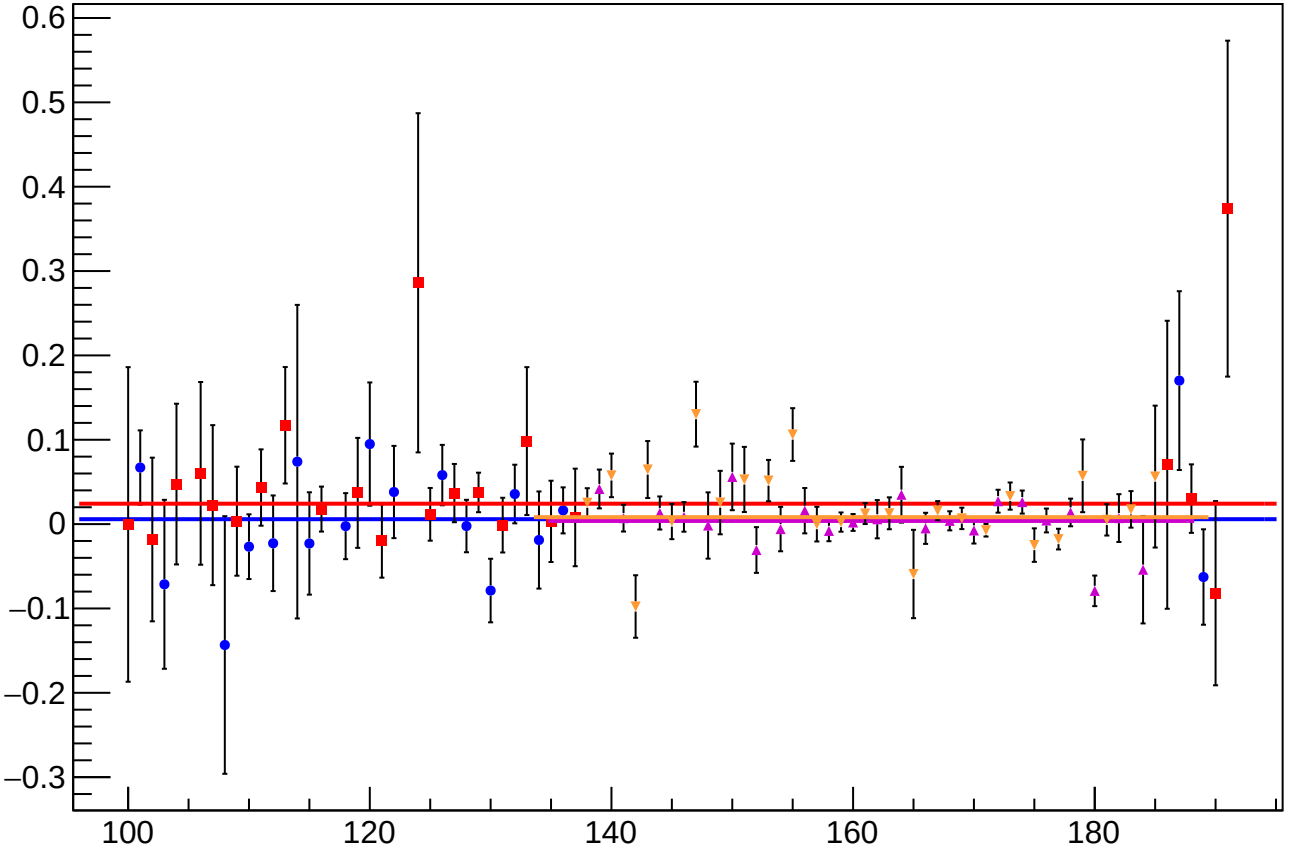
Left In: 0.000+/-0.000 χ^2/NDF:1176996.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5988567.4/42

All: 0.000+/-0.000 χ^2/NDF: 11587120.0/88

- sign 0.000+/-0.000 χ^2/NDF: 5522996.5/45

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: 11.6/22

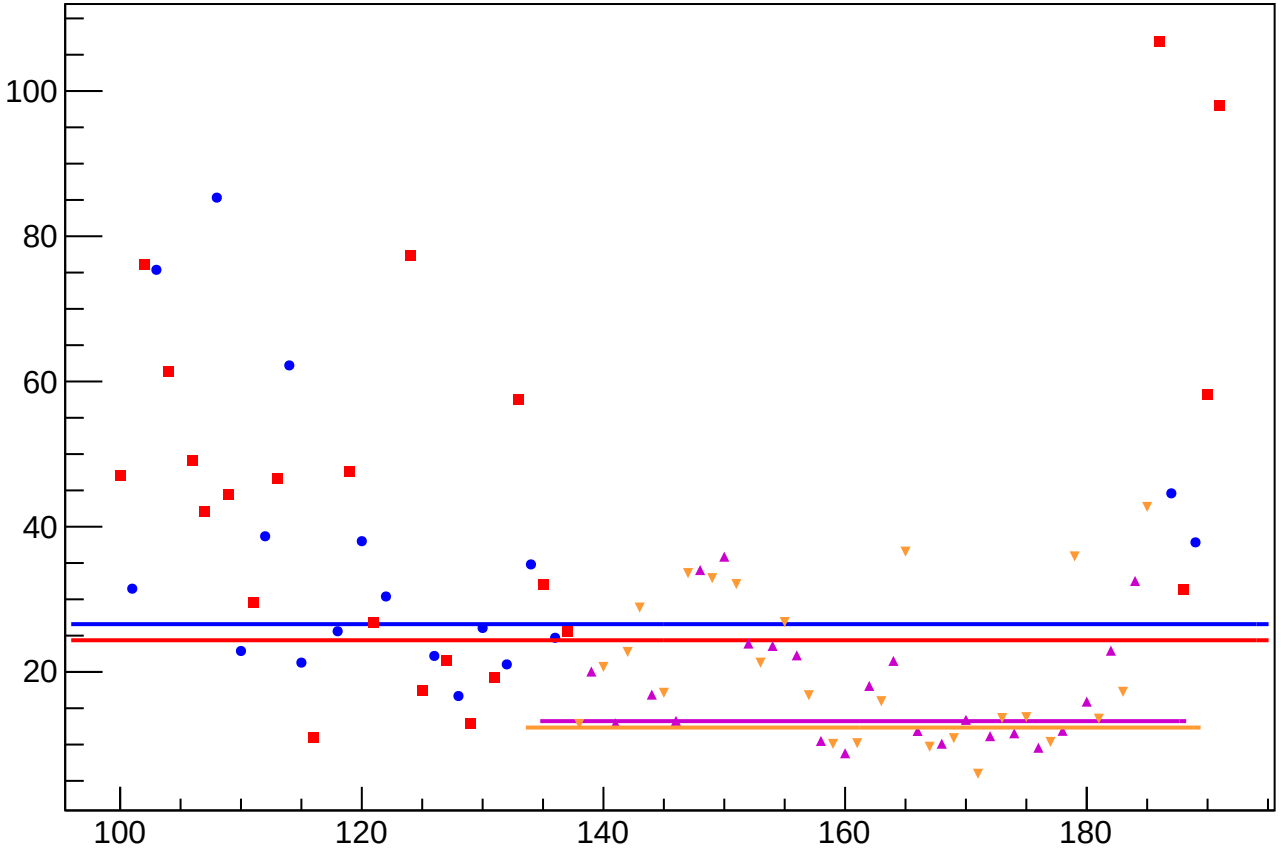
Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 77.7/42

All: 0.007+/-0.002 χ^2/NDF: 130.4/88

- sign 0.006+/-0.003 χ^2/NDF: 52.5/45

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: 24.364+/-0.007 χ^2/NDF: 4383150.2/22

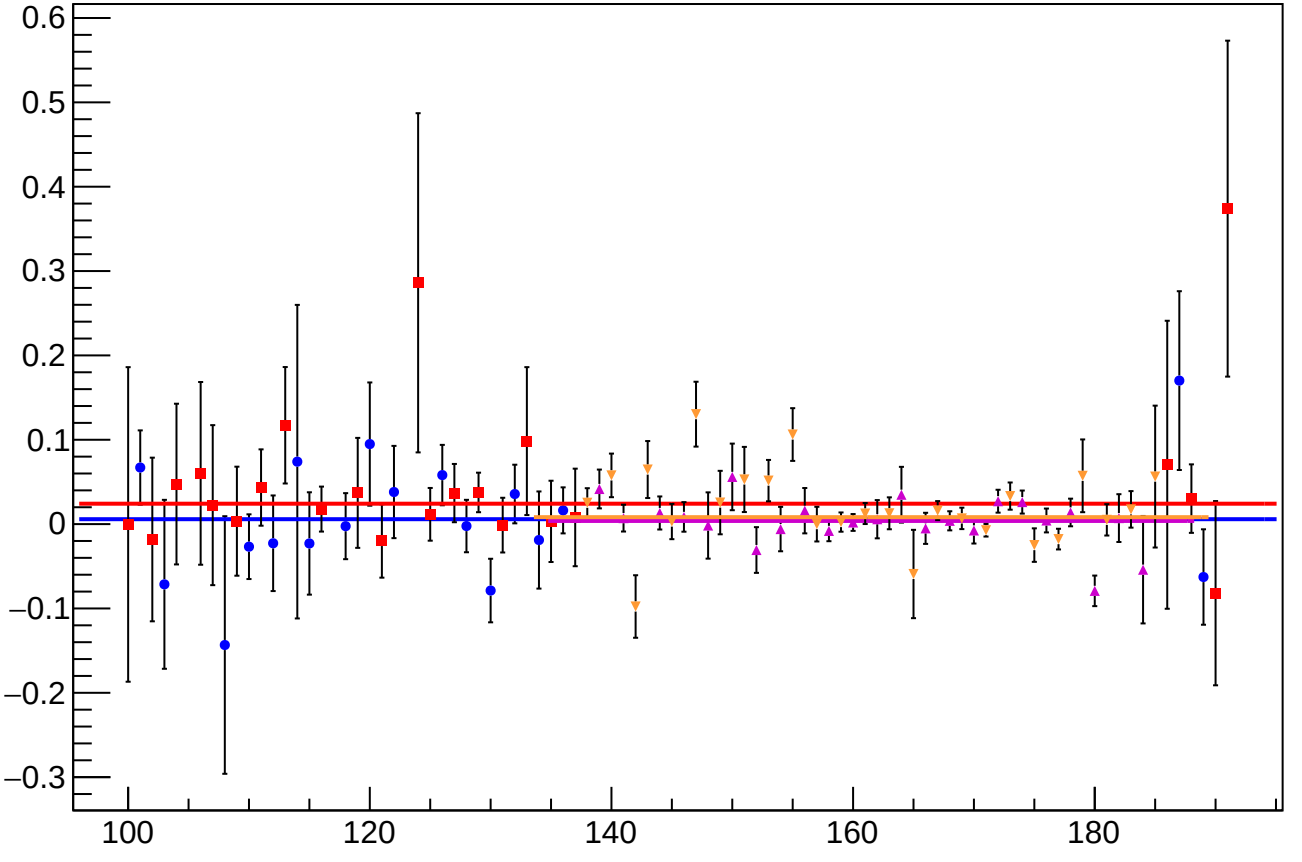
Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

+ sign 13.656+/-0.002 χ^2/NDF: 11403686.4/42

All: 14.064+/-0.002 χ^2/NDF: 21877560.3/88

- sign 14.503+/-0.002 χ^2/NDF: 10410171.2/45

asym_sam_37_dd_dit_vs_eigen_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: 11.6/22

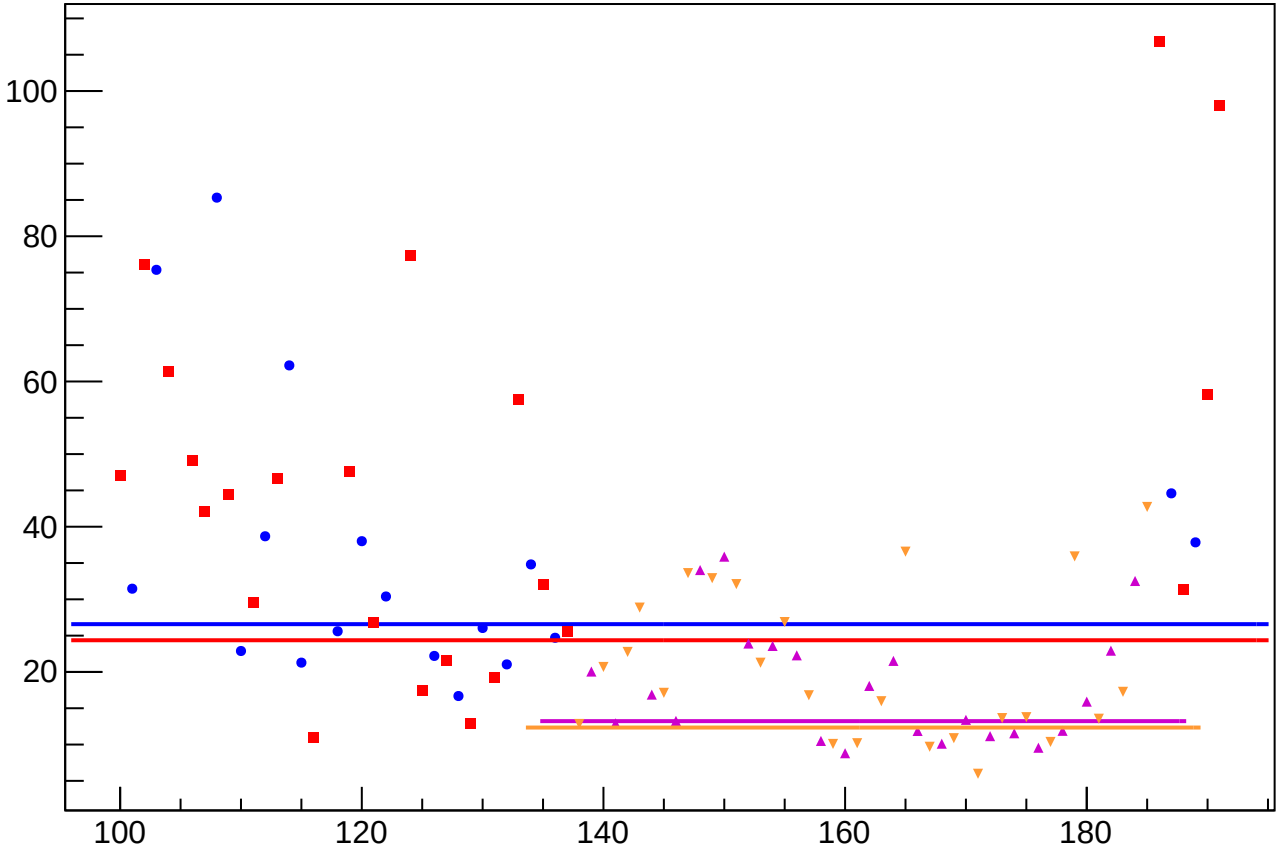
Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 77.7/42

All: 0.007+/-0.002 χ^2/NDF: 130.4/88

- sign 0.006+/-0.003 χ^2/NDF: 52.5/45

asym_sam_37_dd_dit_vs_eigen_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

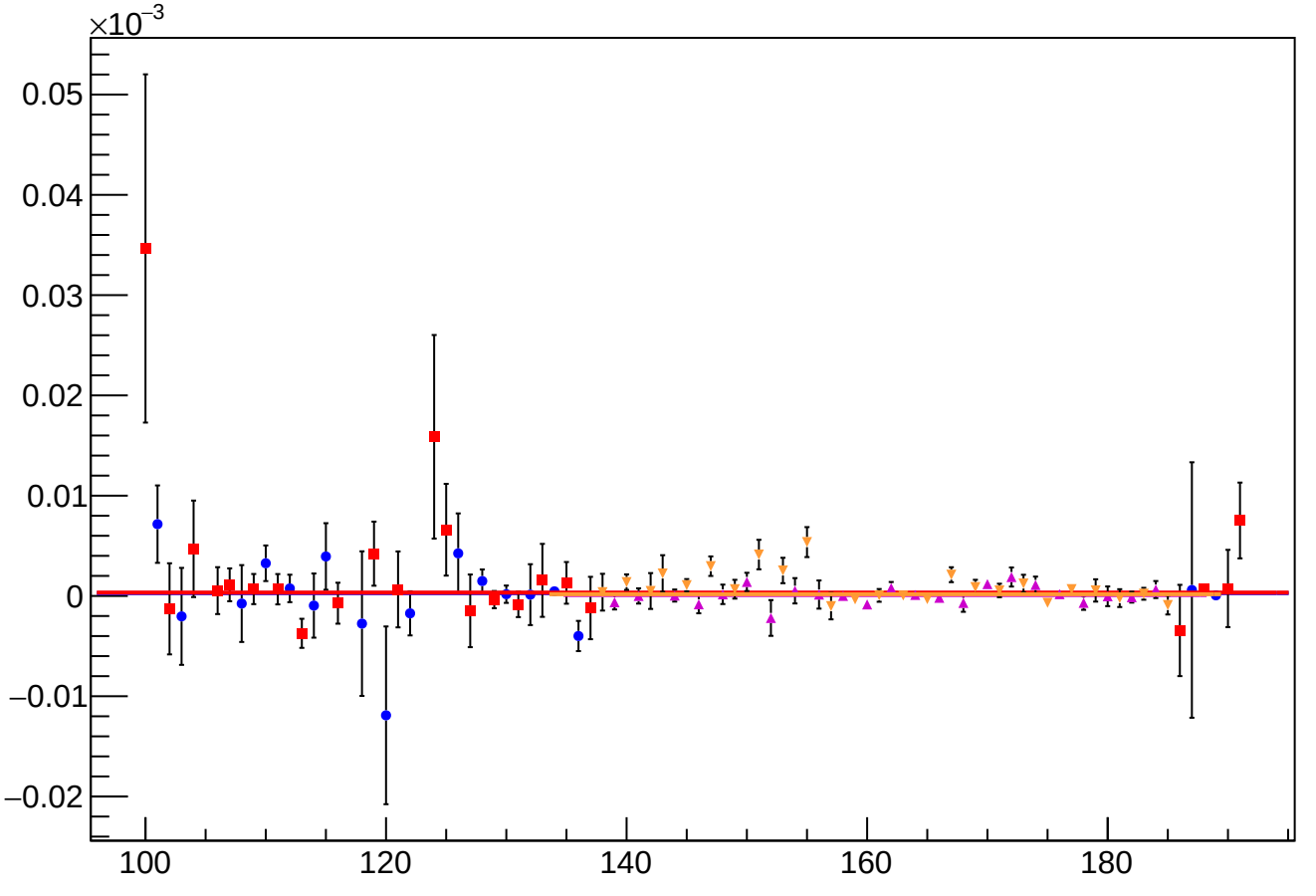
Right Out: 24.364+/-0.007 χ^2/NDF: 4383150.2/22

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

\+ sign 13.656+/-0.002 χ^2/NDF: 11403686.4/42

All: 14.064+/-0.002 χ^2/NDF: 21877560.3/88

\- sign 14.503+/-0.002 χ^2/NDF: 10410171.2/45



Right In: 0.000+/-0.000 χ^2/NDF: 21.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:61.5/24

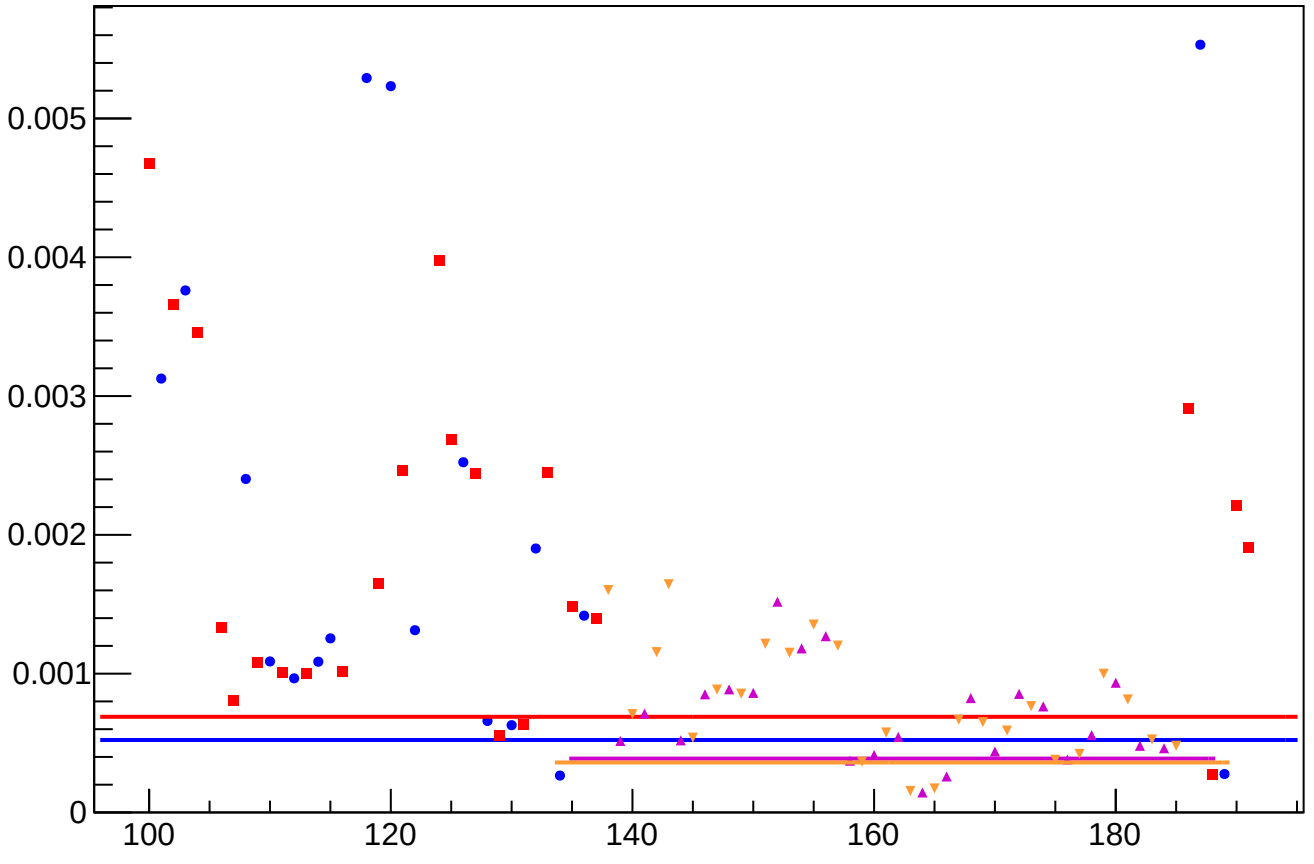
Right Out: 0.000+/-0.000 χ^2/NDF: 26.4/22

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: 134.4/88

- sign 0.000+/-0.000 χ^2/NDF: 51.3/45



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: 7353372.9/22

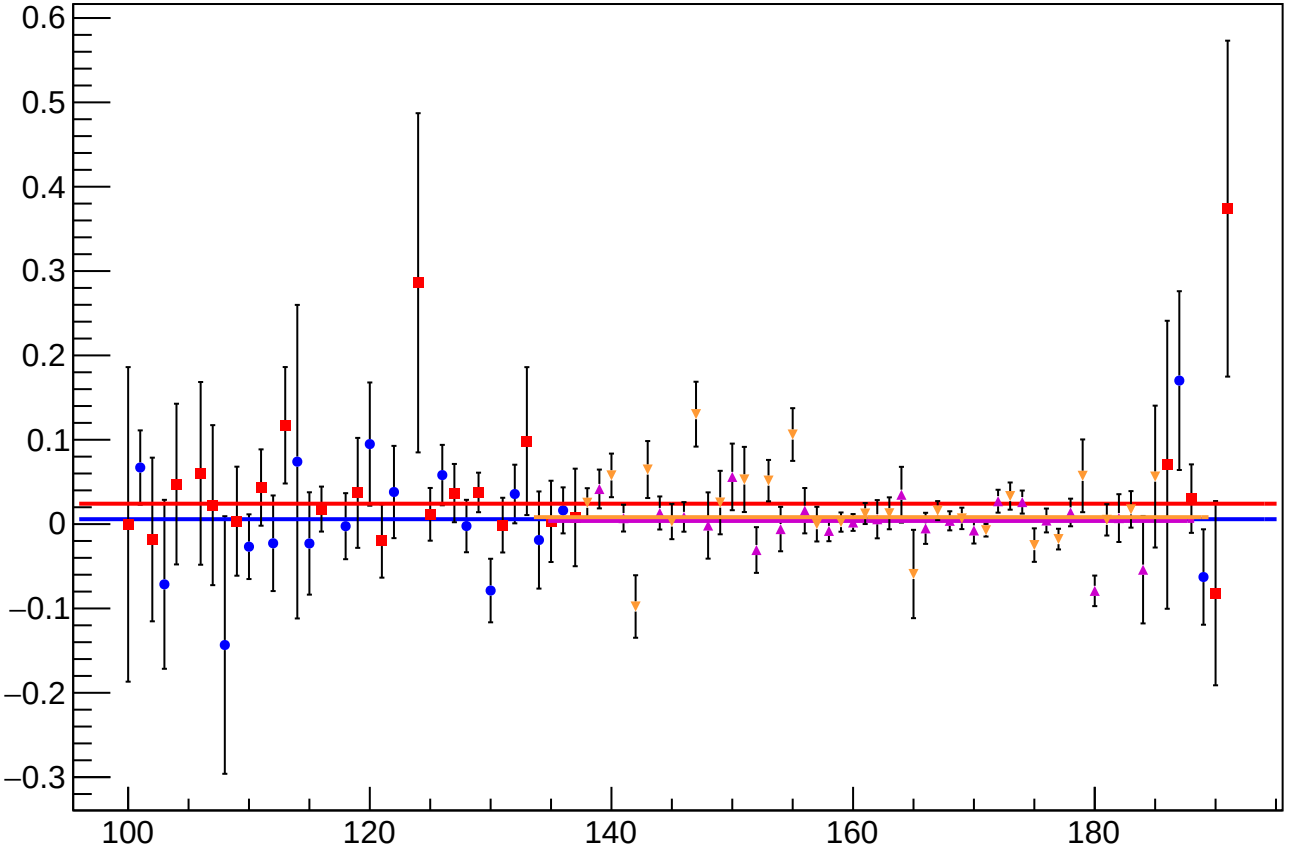
Left In: 0.000+/-0.000 χ^2/NDF:10459340.6/22

\+ sign 0.000+/-0.000 χ^2/NDF: 22298780.7/42

All: 0.000+/-0.000 χ^2/NDF: 41838118.9/88

\- sign 0.000+/-0.000 χ^2/NDF: 19382653.5/45

asym_sam_37_dd_eigen_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

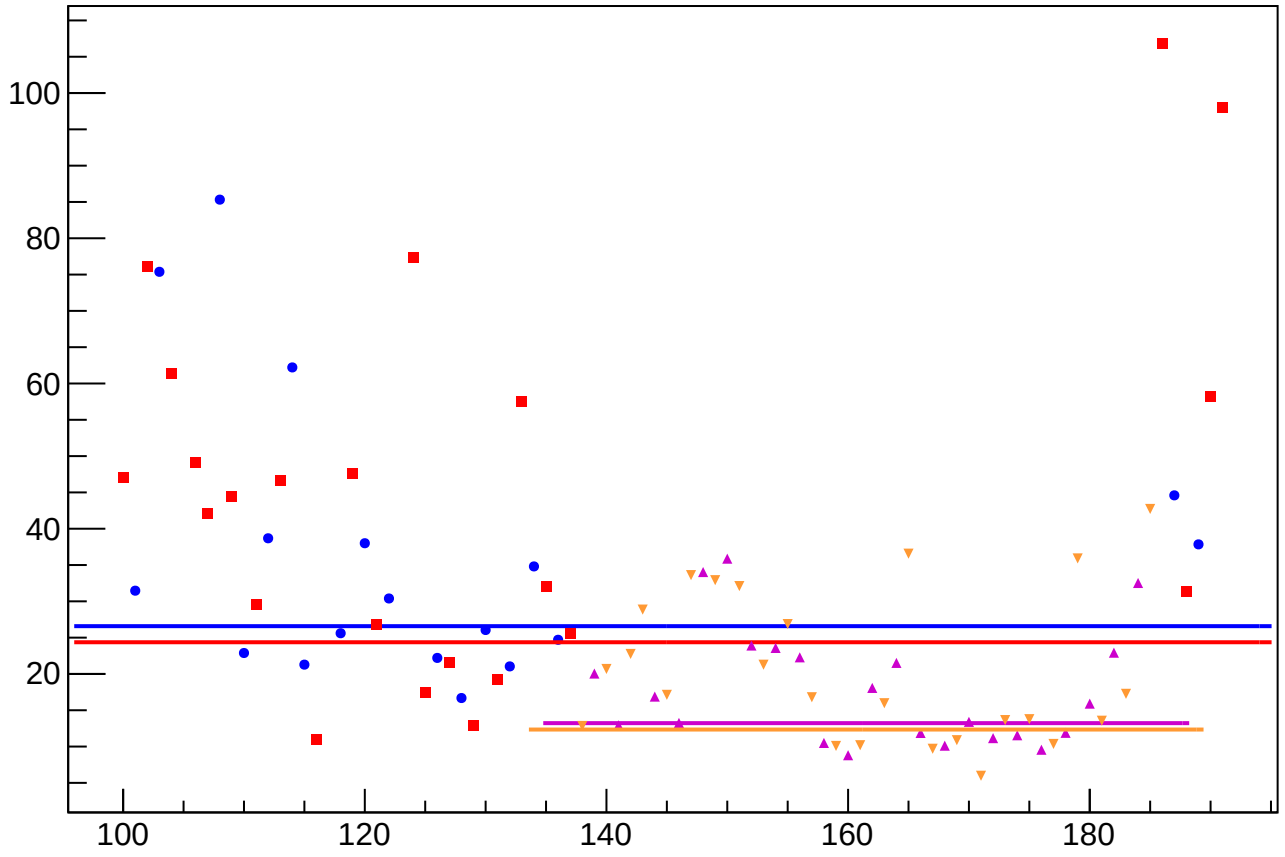
Right Out: 0.024+/-0.010 χ^2/NDF: 11.6/22

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: 130.4/88

- sign 0.006+/-0.003 χ^2/NDF: 52.5/45



Right In: 26.581+/-0.008 χ^2/NDF: 1525148.8/17

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

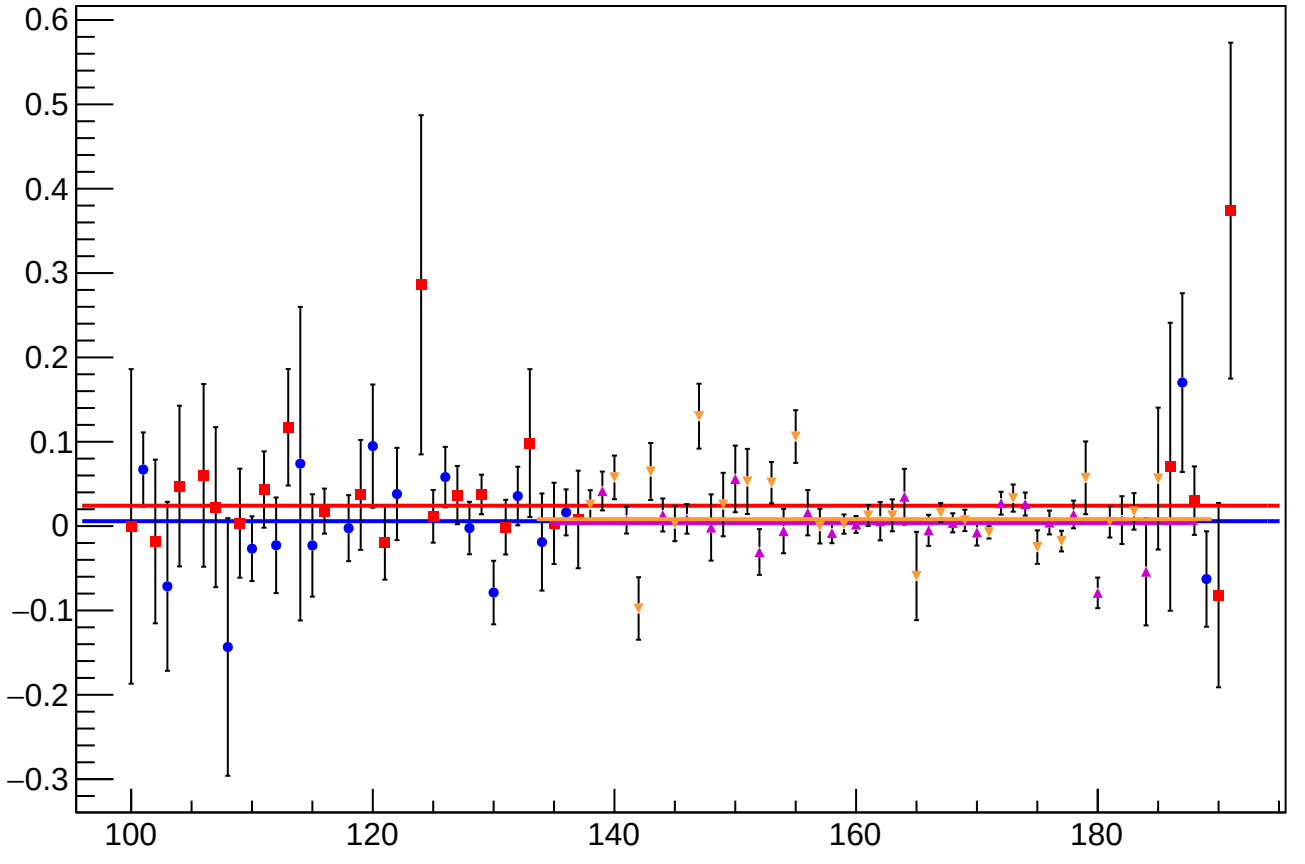
Right Out: 24.365+/-0.007 χ^2/NDF: 4382939.6/22

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

+ sign 13.656+/-0.002 χ^2/NDF: 11403929.8/42

All: 14.064+/-0.002 χ^2/NDF: 21877867.4/88

- sign 14.503+/-0.002 χ^2/NDF: 10410240.1/45



Right In: 0.006+/-0.011 χ^2/NDF: 18.9/17

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

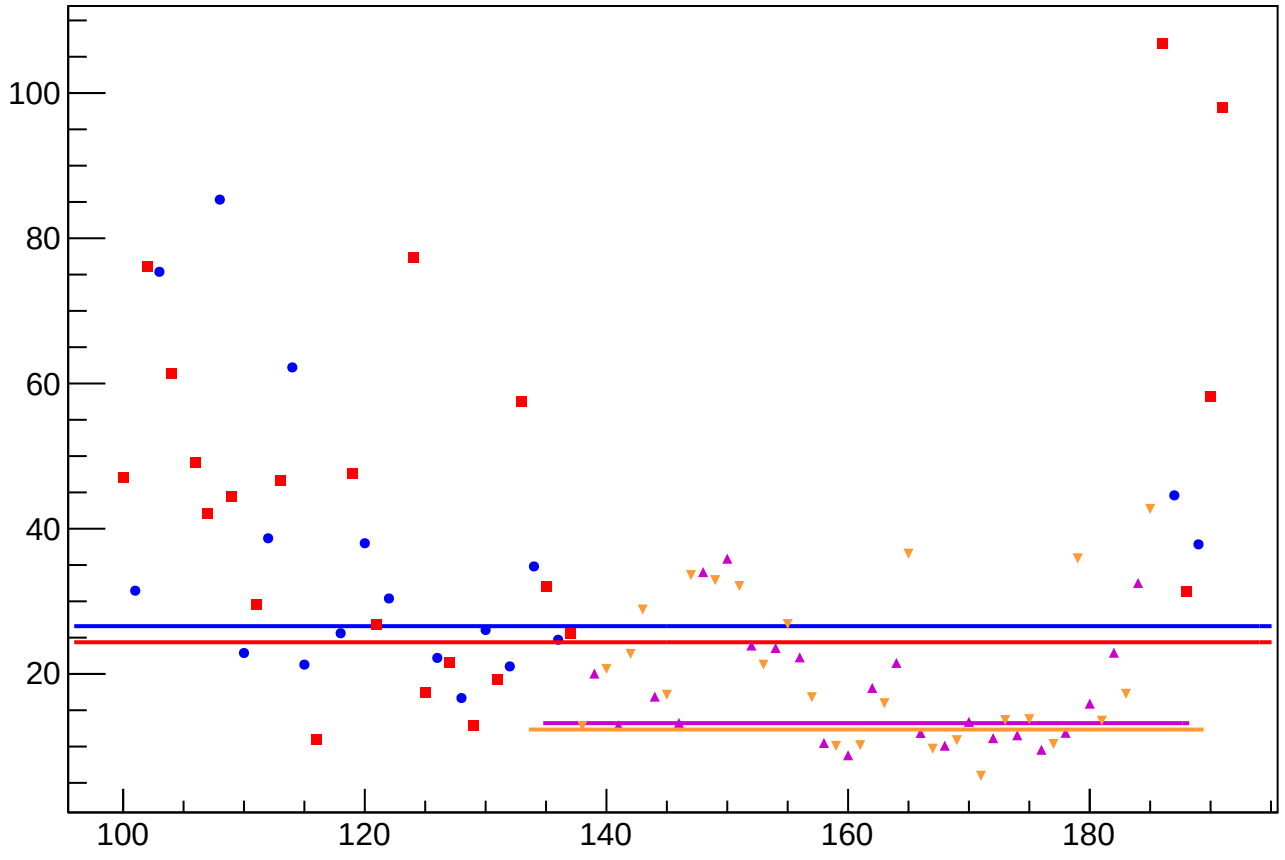
Right Out: 0.024+/-0.010 χ^2/NDF: 11.6/22

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: 130.4/88

- sign 0.006+/-0.003 χ^2/NDF: 52.5/45



Right In: 26.581+/-0.008 χ^2/NDF: 1525148.8/17

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

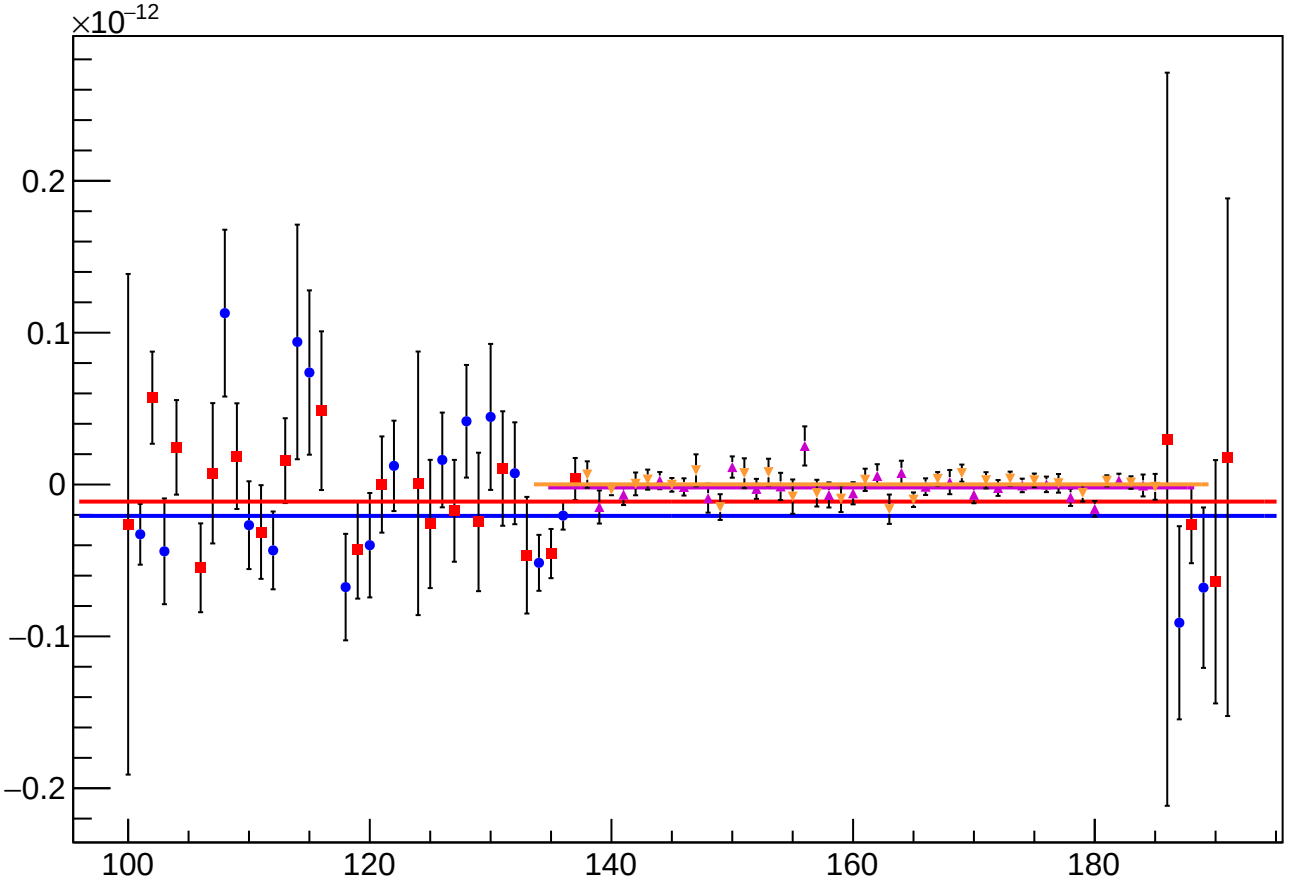
Right Out: 24.365+/-0.007 χ^2/NDF: 4382939.6/22

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

+ sign 13.656+/-0.002 χ^2/NDF: 11403929.8/42

All: 14.064+/-0.002 χ^2/NDF: 21877867.4/88

- sign 14.503+/-0.002 χ^2/NDF: 10410240.1/45



Right In: -0.000+/-0.000 χ^2/NDF: 27.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:21.5/24

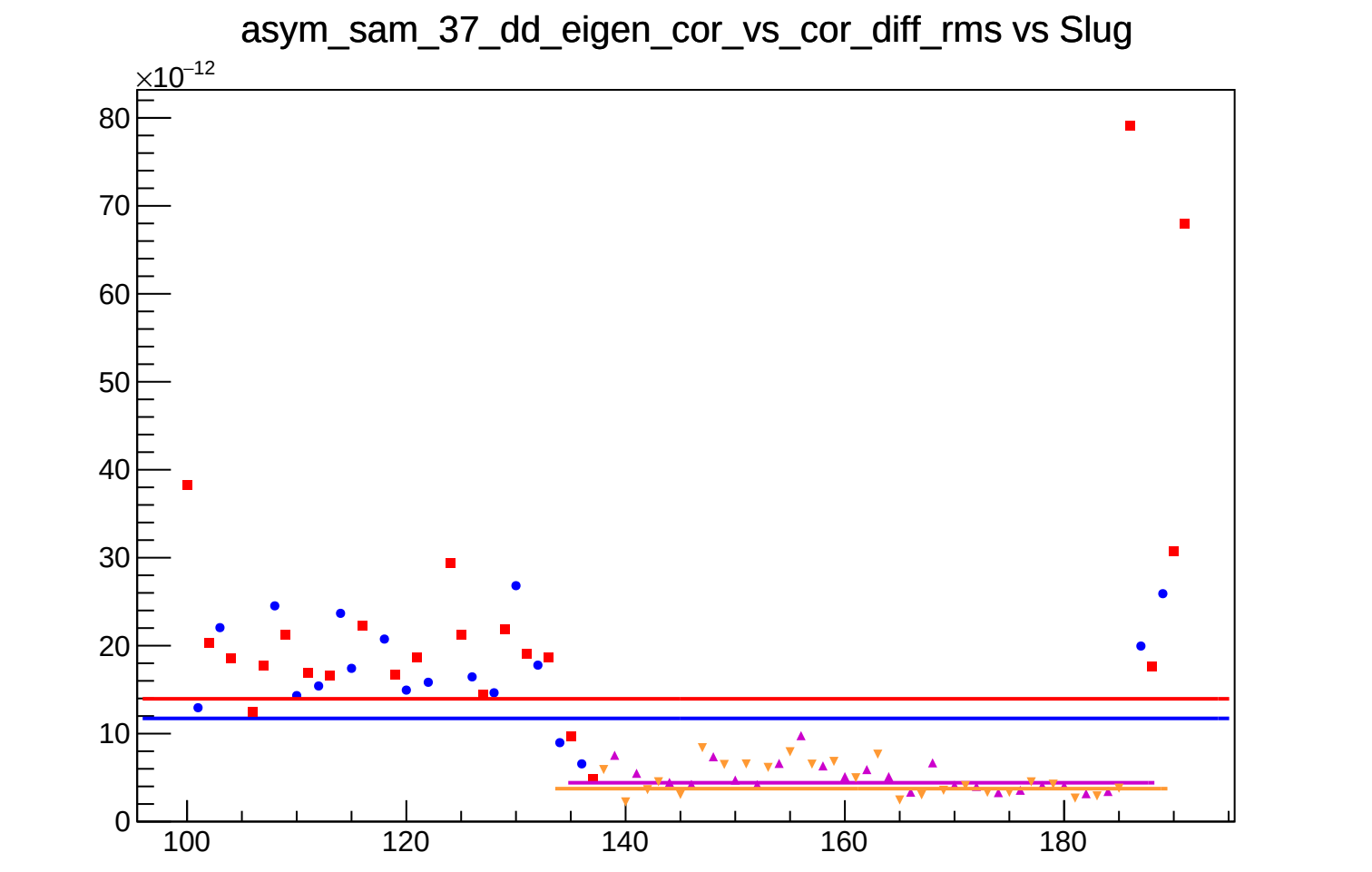
Right Out: -0.000+/-0.000 χ^2/NDF: 21.2/22

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: 110.4/88

- sign -0.000+/-0.000 χ^2/NDF: 48.6/45



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: 2160346.4/22

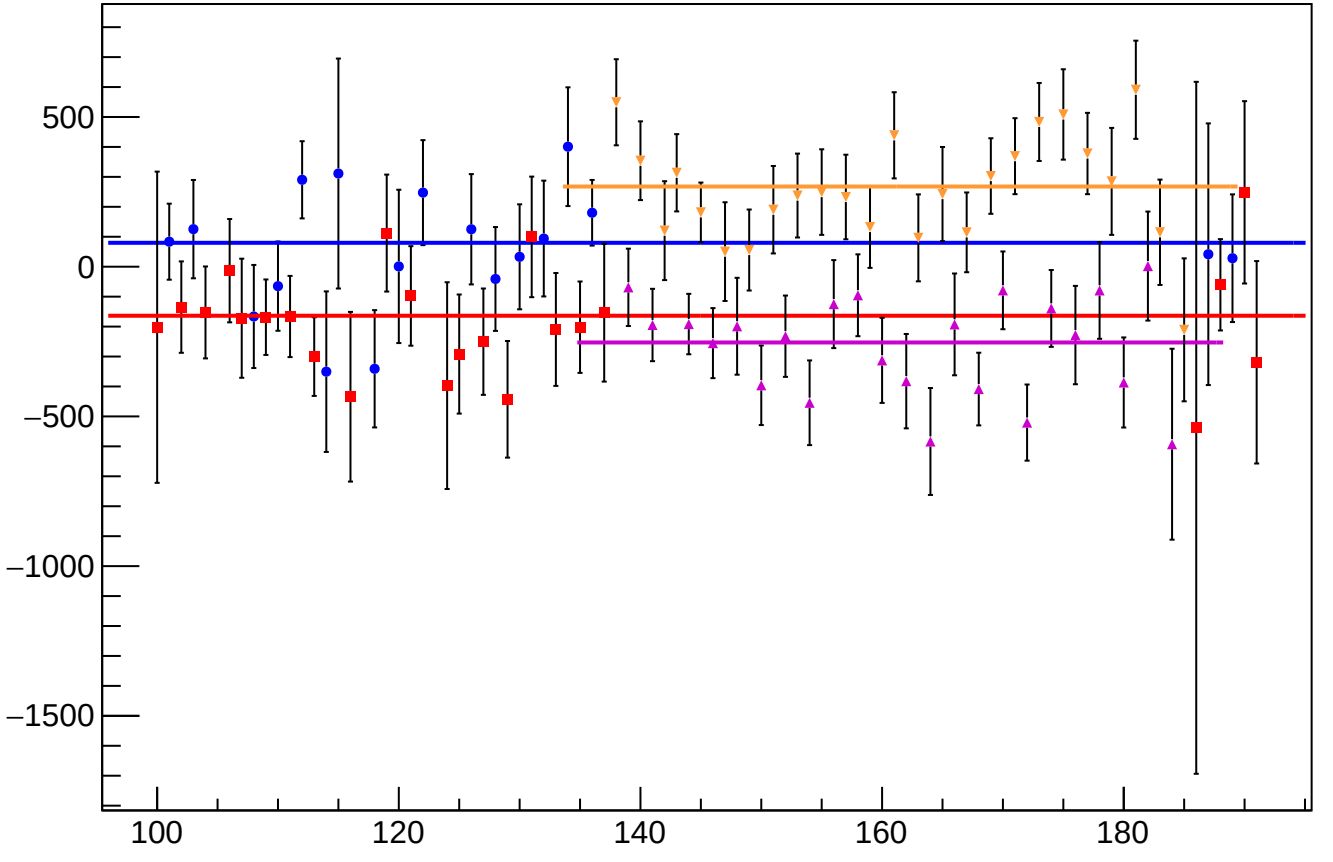
Left In: 0.000+/-0.000 χ^2/NDF:1736522.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 8316822.0/42

All: 0.000+/-0.000 χ^2/NDF: 16708713.4/88

- sign 0.000+/-0.000 χ^2/NDF: 8008735.7/45

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: -163.746+/-38.698 χ^2/NDF: 12.6/22

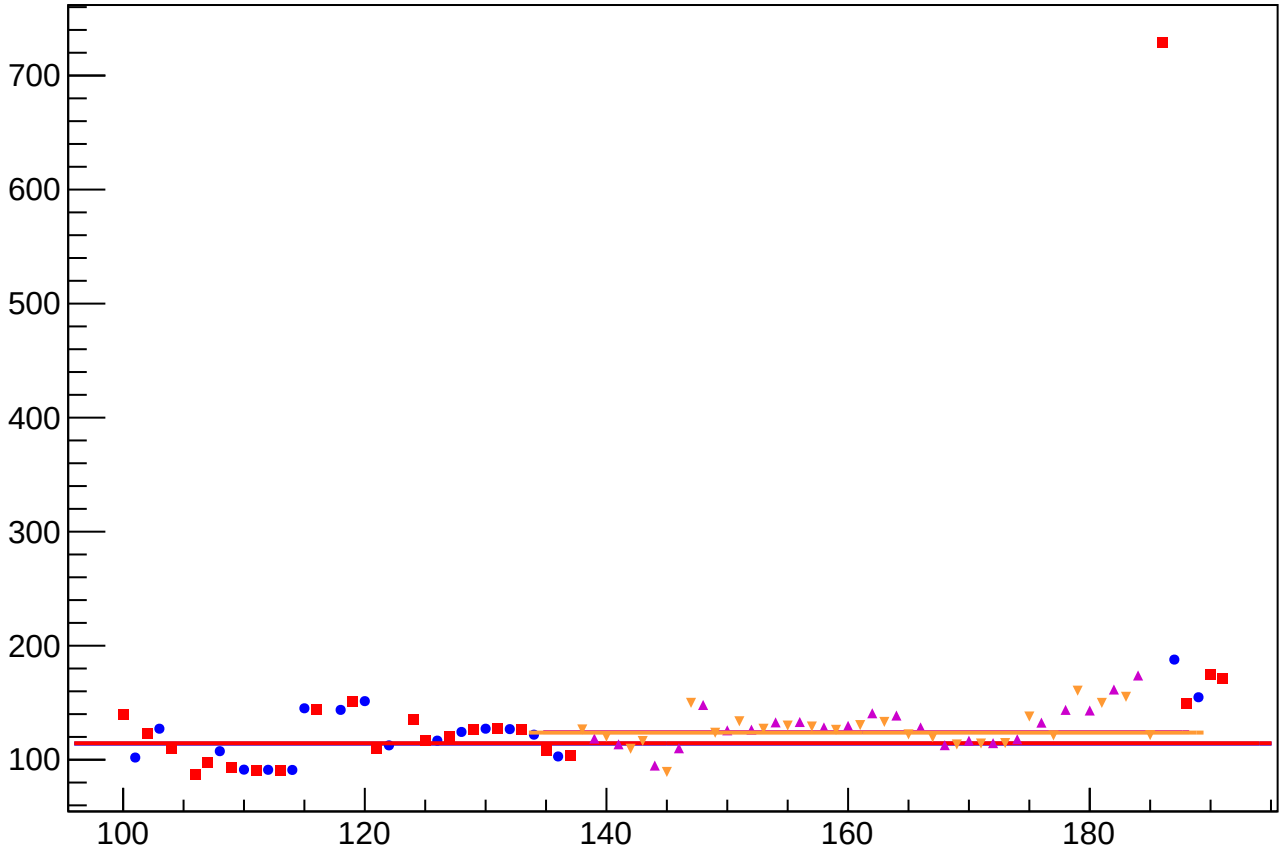
Left In: -253.048+/-29.313 χ^2/NDF:26.2/22

+ sign 207.121+/-23.378 χ^2/NDF: 63.6/42

All: -6.792+/-16.527 χ^2/NDF: 273.1/88

- sign -220.490+/-23.366 χ^2/NDF: 42.1/45

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: 114.468+/-0.027 χ^2/NDF: 1202586.6/22

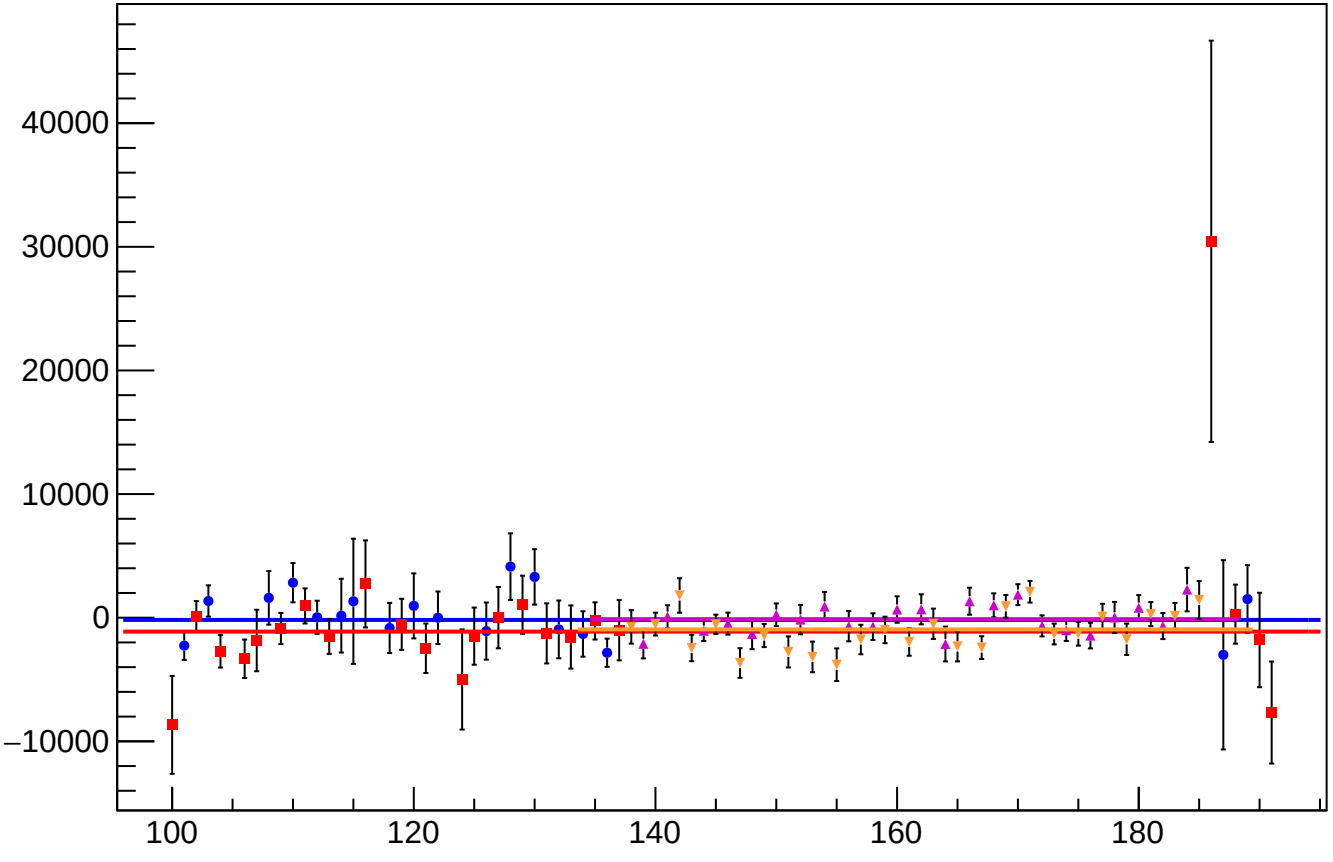
Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 120.685+/-0.017 χ^2/NDF: 1114716.7/42

All: 120.687+/-0.012 χ^2/NDF: 2955874.0/88

- sign 120.689+/-0.017 χ^2/NDF: 1841157.3/45

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: -1126.122+/-411.903 χ^2/NDF: 21.2/22

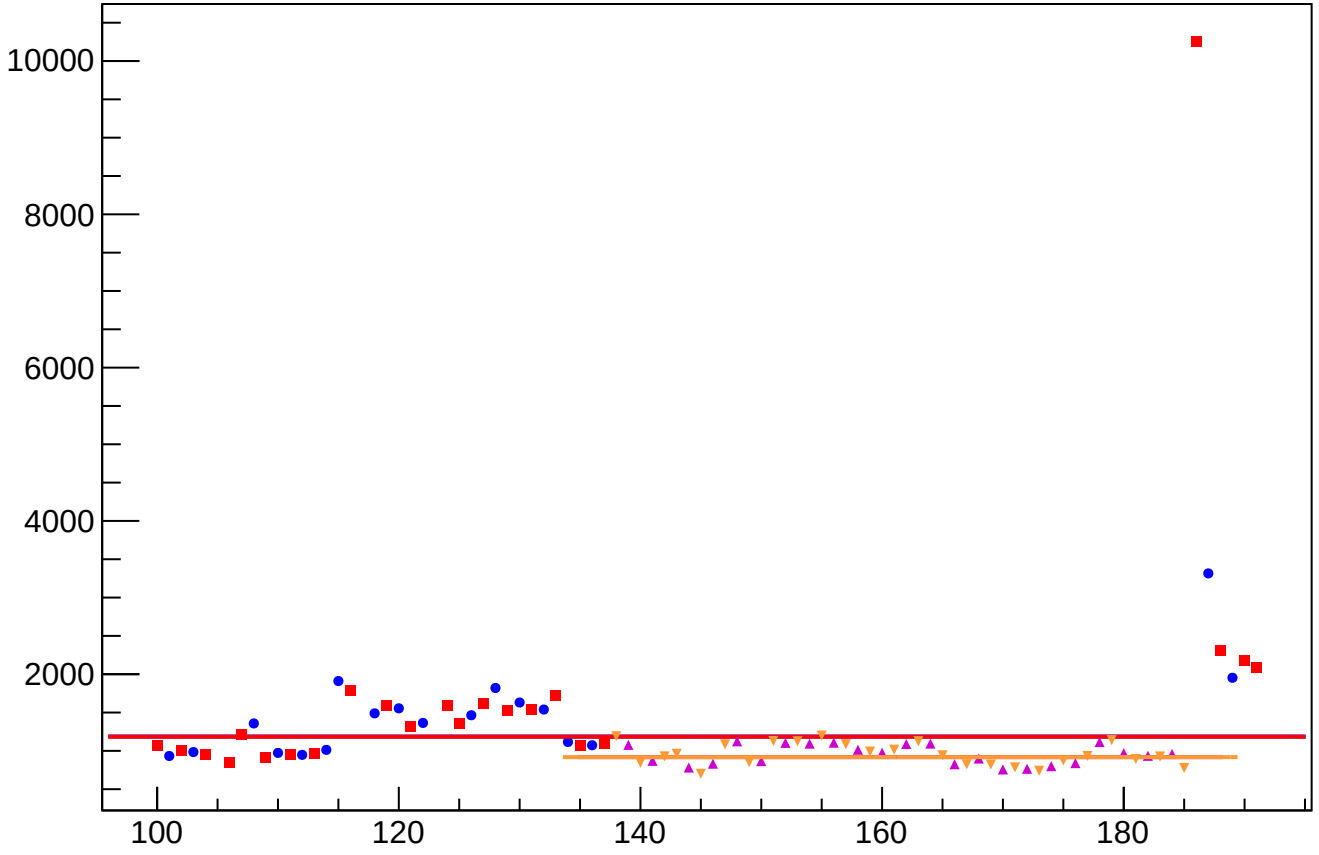
Left In: -118.433+/-217.165 χ^2/NDF:24.4/22

+ sign -801.903+/-190.635 χ^2/NDF: 73.7/42

All: -571.537+/-135.315 χ^2/NDF: 127.0/88

- sign -337.611+/-192.102 χ^2/NDF: 50.3/45

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: 1184.897+/-0.291 χ^2/NDF: 2126799.3/22

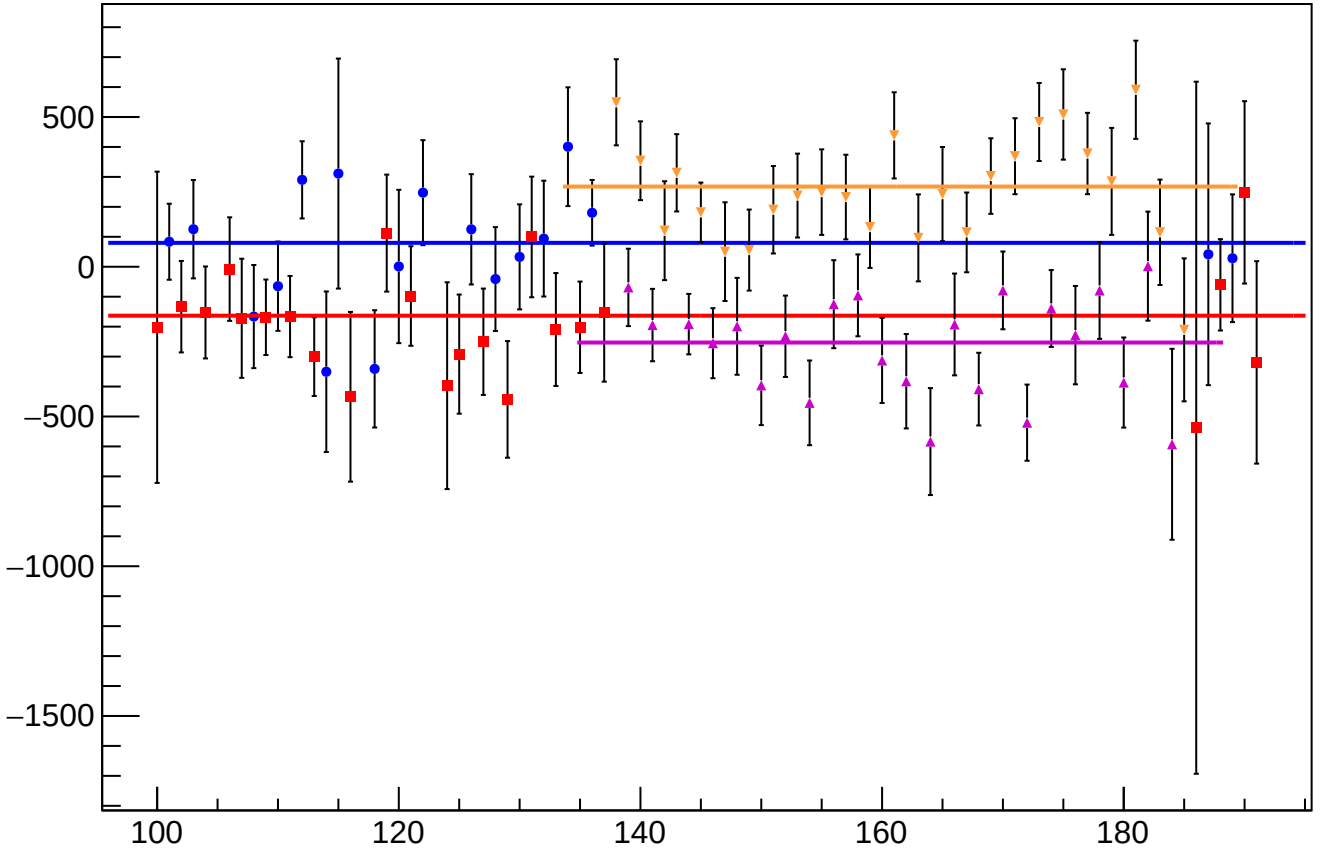
Left In: 918.214+/-0.154 χ^2/NDF:666262.3/22

+ sign 969.433+/-0.135 χ^2/NDF: 2499182.6/42

All: 972.800+/-0.096 χ^2/NDF: 5949511.4/88

- sign 976.219+/-0.136 χ^2/NDF: 3449071.3/45

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: -163.387+/-38.703 χ^2/NDF: 12.6/22

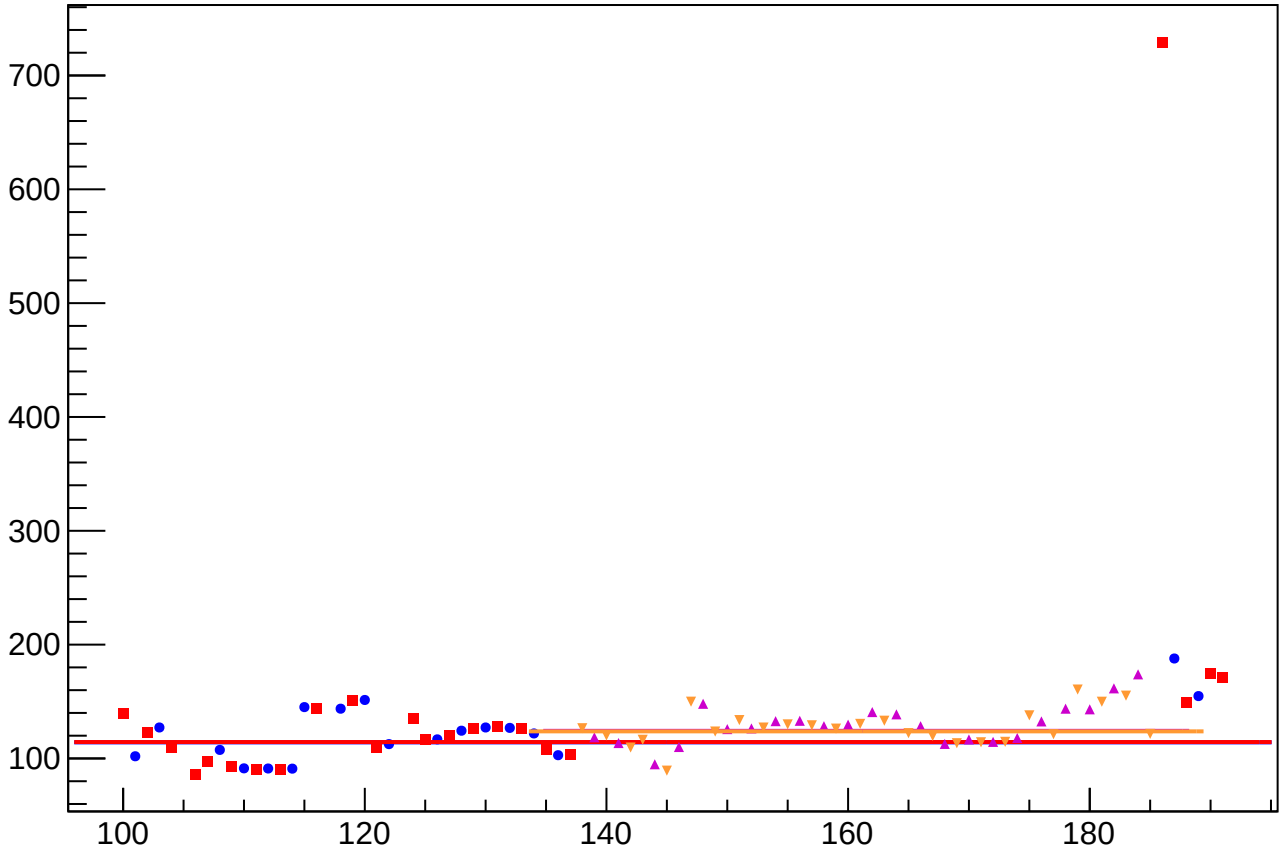
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 207.124+/-23.378 χ^2/NDF: 63.6/42

All: -6.719+/-16.527 χ^2/NDF: 273.0/88

- sign -220.366+/-23.367 χ^2/NDF: 42.2/45

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: 114.418+/-0.027 χ^2/NDF: 1206765.9/22

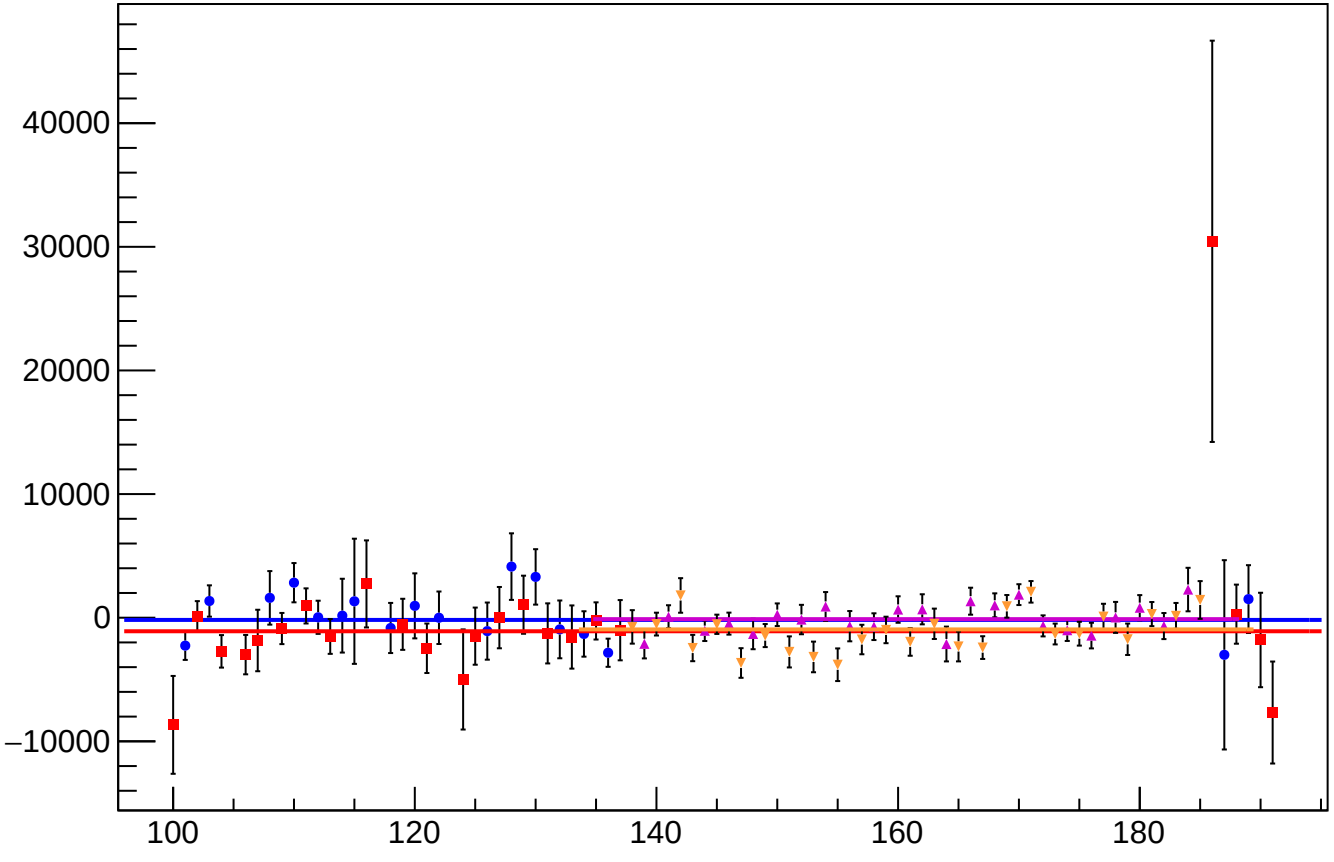
Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 120.685+/-0.017 χ^2/NDF: 1114717.3/42

All: 120.679+/-0.012 χ^2/NDF: 2960866.9/88

- sign 120.672+/-0.017 χ^2/NDF: 1846149.2/45

asym_sam_48_dd_cor_correction_mean vs Slug



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: -1097.003+/-412.582 χ^2/NDF: 20.6/22

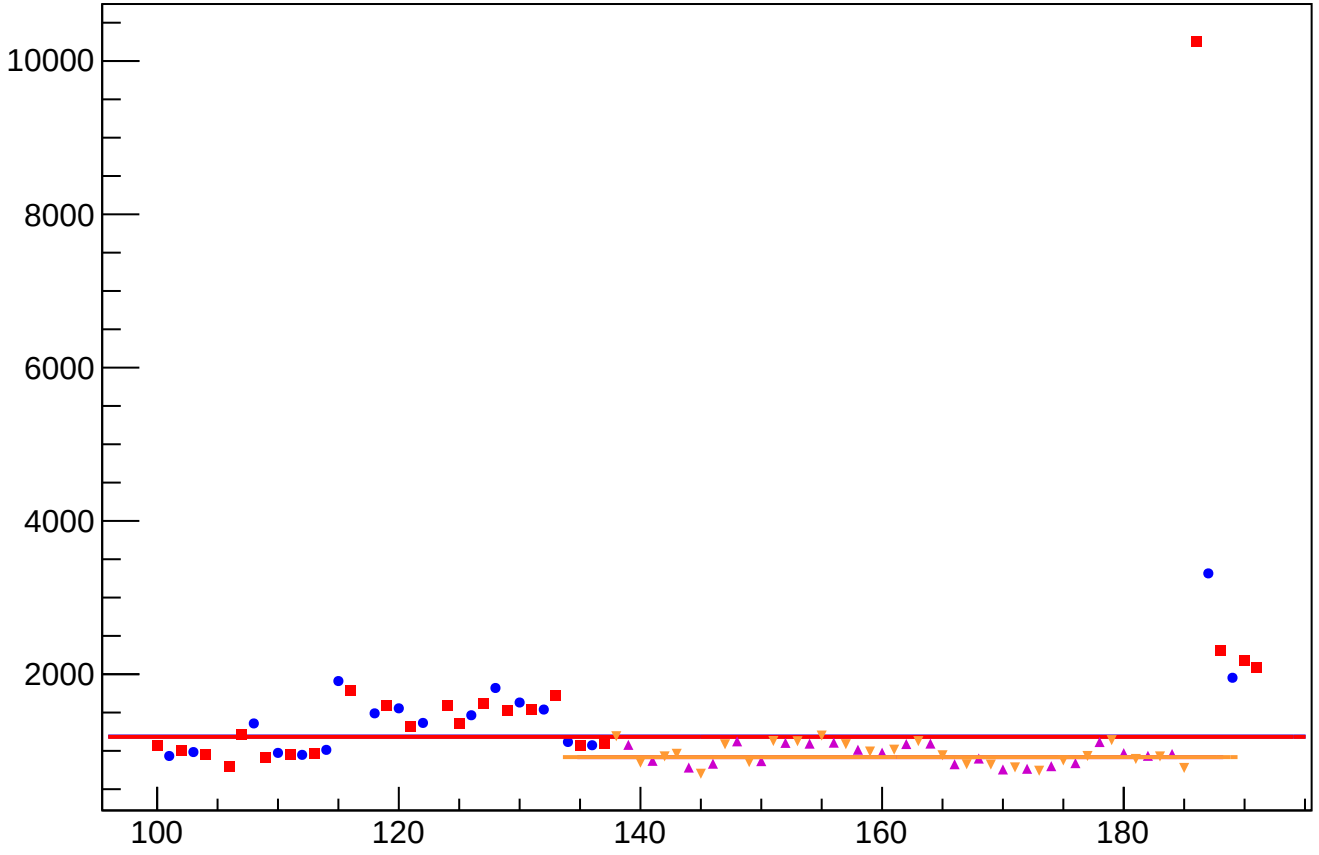
Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

+ sign -801.912+/-190.635 χ^2/NDF: 73.7/42

All: -568.212+/-135.339 χ^2/NDF: 126.1/88

- sign -330.732+/-192.170 χ^2/NDF: 49.4/45

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: 1182.644+/-0.292 χ^2/NDF: 2151194.1/22

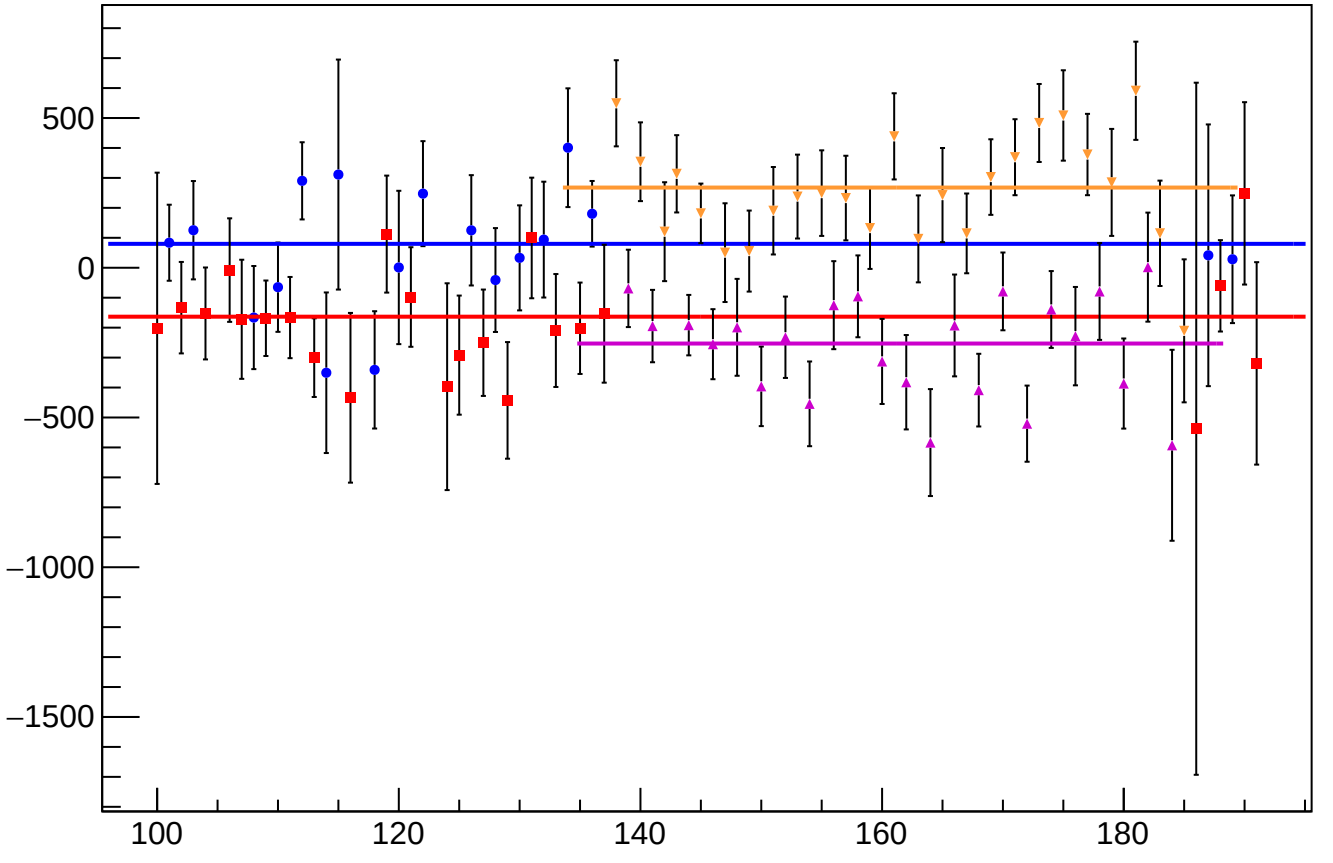
Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

+ sign 969.434+/-0.135 χ^2/NDF: 2499182.9/42

All: 972.483+/-0.096 χ^2/NDF: 5960984.9/88

- sign 975.581+/-0.136 χ^2/NDF: 3460770.7/45

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: -163.387+/-38.703 χ^2/NDF: 12.6/22

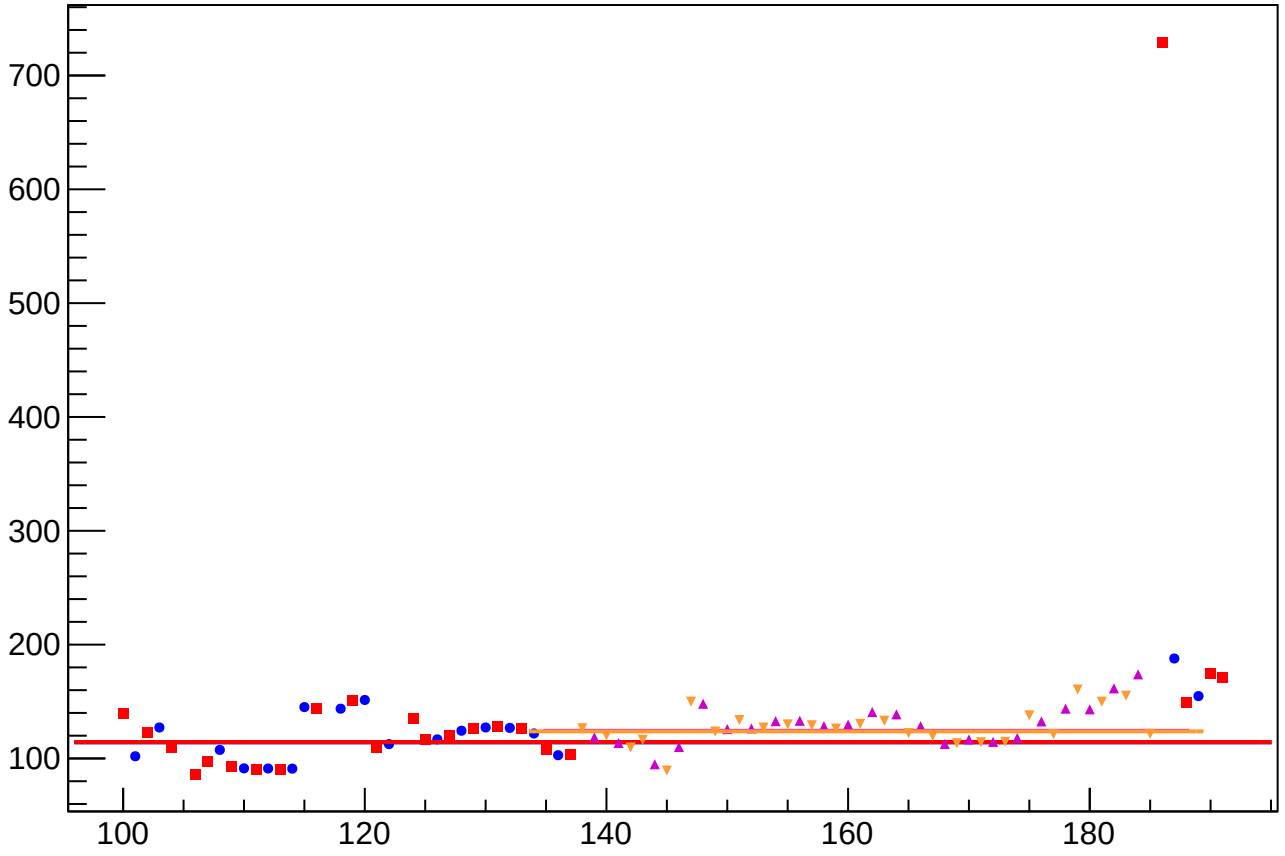
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 207.124+/-23.378 χ^2/NDF: 63.6/42

All: -6.719+/-16.527 χ^2/NDF: 273.0/88

- sign -220.366+/-23.367 χ^2/NDF: 42.2/45

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

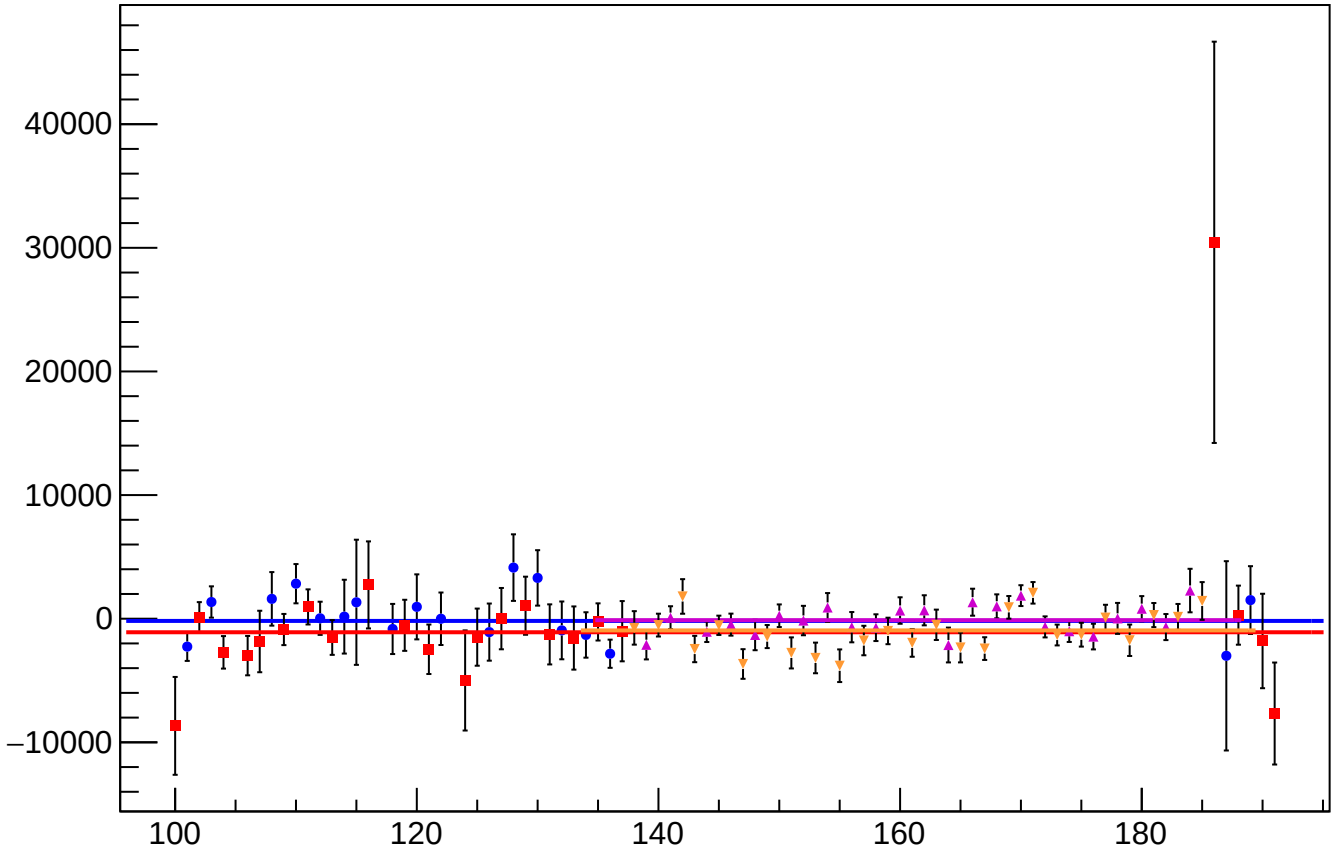
Right Out: 114.418+/-0.027 χ^2/NDF: 1206765.9/22

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 120.685+/-0.017 χ^2/NDF: 1114717.3/42

All: 120.679+/-0.012 χ^2/NDF: 2960866.9/88

- sign 120.672+/-0.017 χ^2/NDF: 1846149.2/45



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: -1097.003+/-412.582 χ^2/NDF: 20.6/22

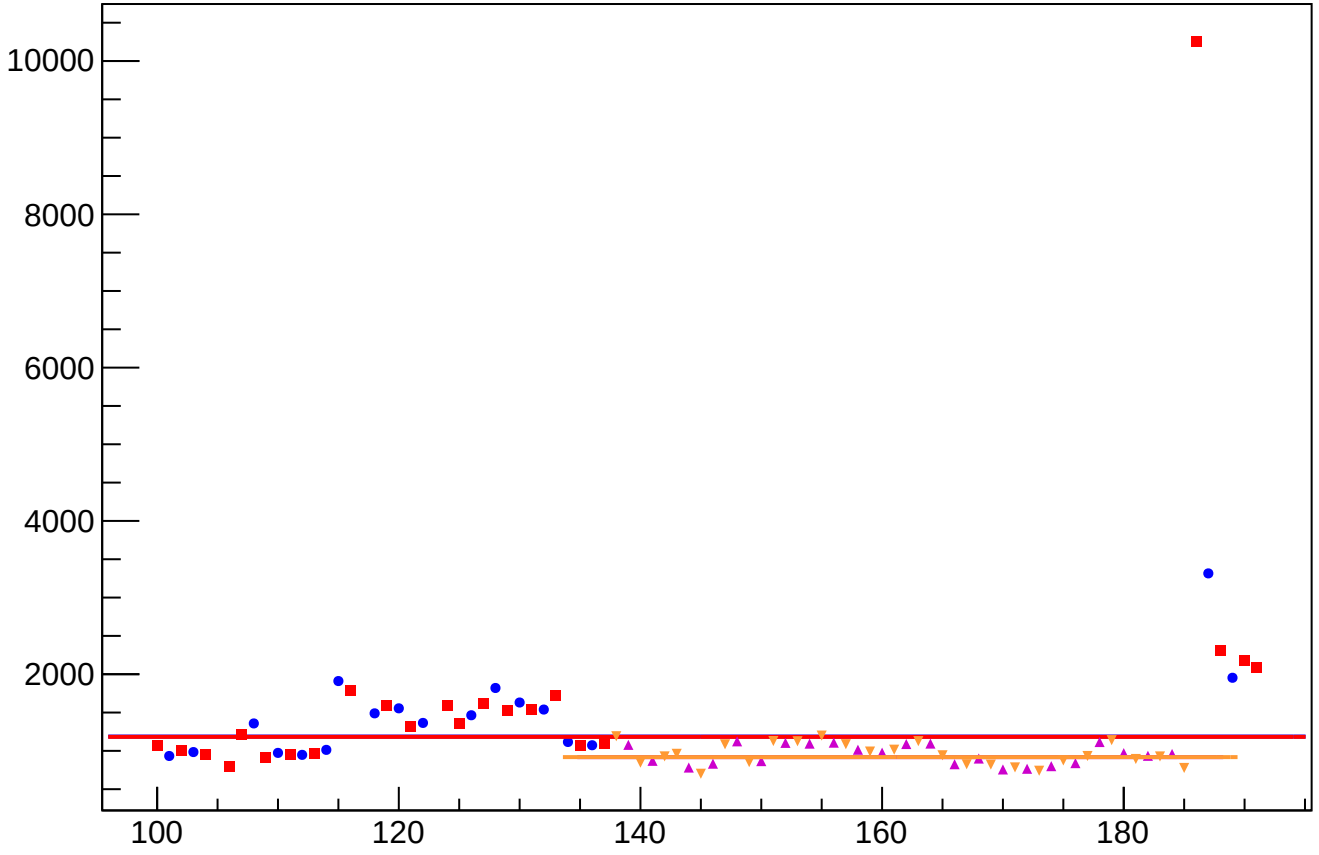
Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

+ sign -801.912+/-190.635 χ^2/NDF: 73.7/42

All: -568.212+/-135.339 χ^2/NDF: 126.1/88

- sign -330.732+/-192.170 χ^2/NDF: 49.4/45

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: 1182.644+/-0.292 χ^2/NDF: 2151194.1/22

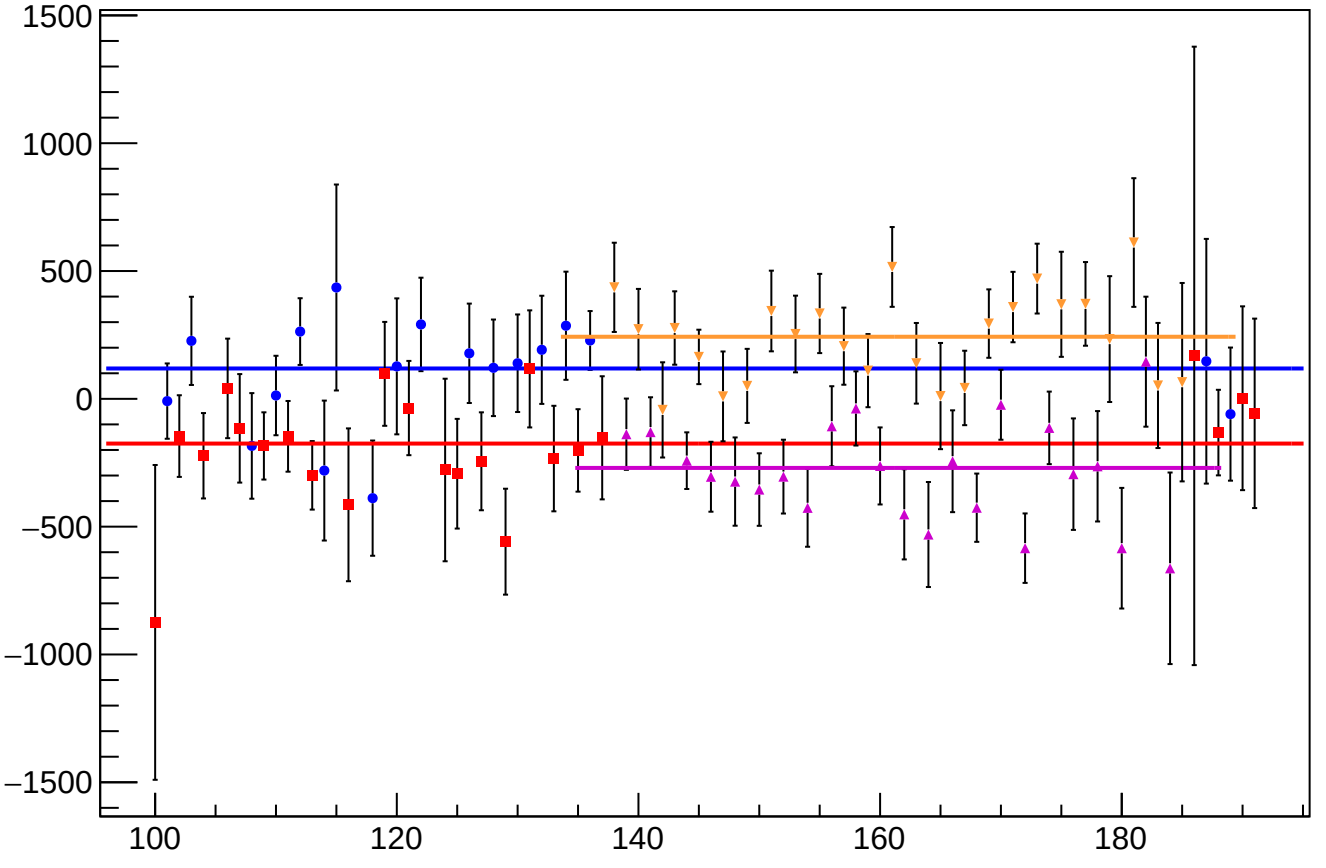
Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

+ sign 969.434+/-0.135 χ^2/NDF: 2499182.9/42

All: 972.483+/-0.096 χ^2/NDF: 5960984.9/88

- sign 975.581+/-0.136 χ^2/NDF: 3460770.7/45

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: -174.990+/-41.287 χ^2/NDF: 12.8/22

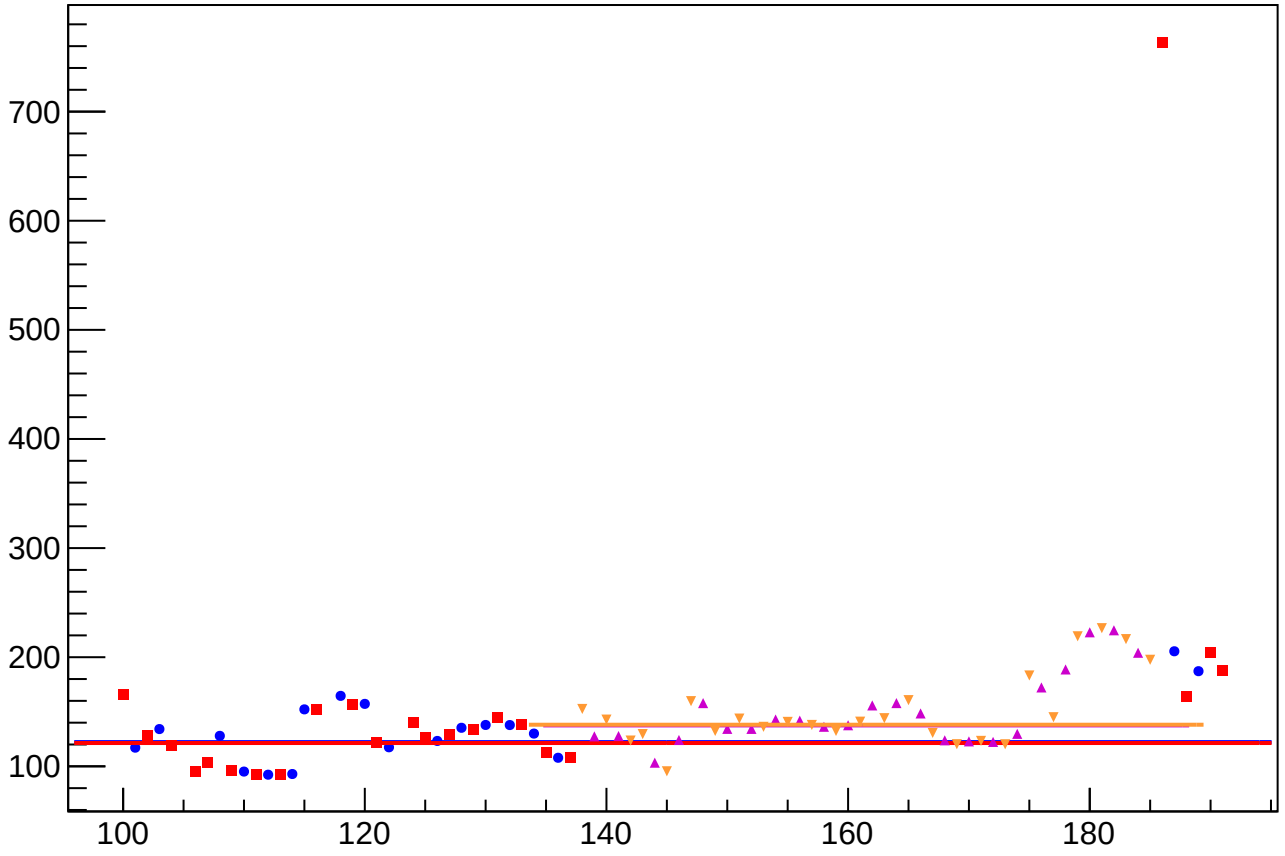
Left In: -270.243+/-32.893 χ^2/NDF:26.7/22

+ sign 200.185+/-26.030 χ^2/NDF: 44.7/42

All: -19.074+/-18.298 χ^2/NDF: 227.8/88

- sign -233.259+/-25.727 χ^2/NDF: 42.8/45

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: 121.359+/-0.029 χ^2/NDF: 1323090.7/22

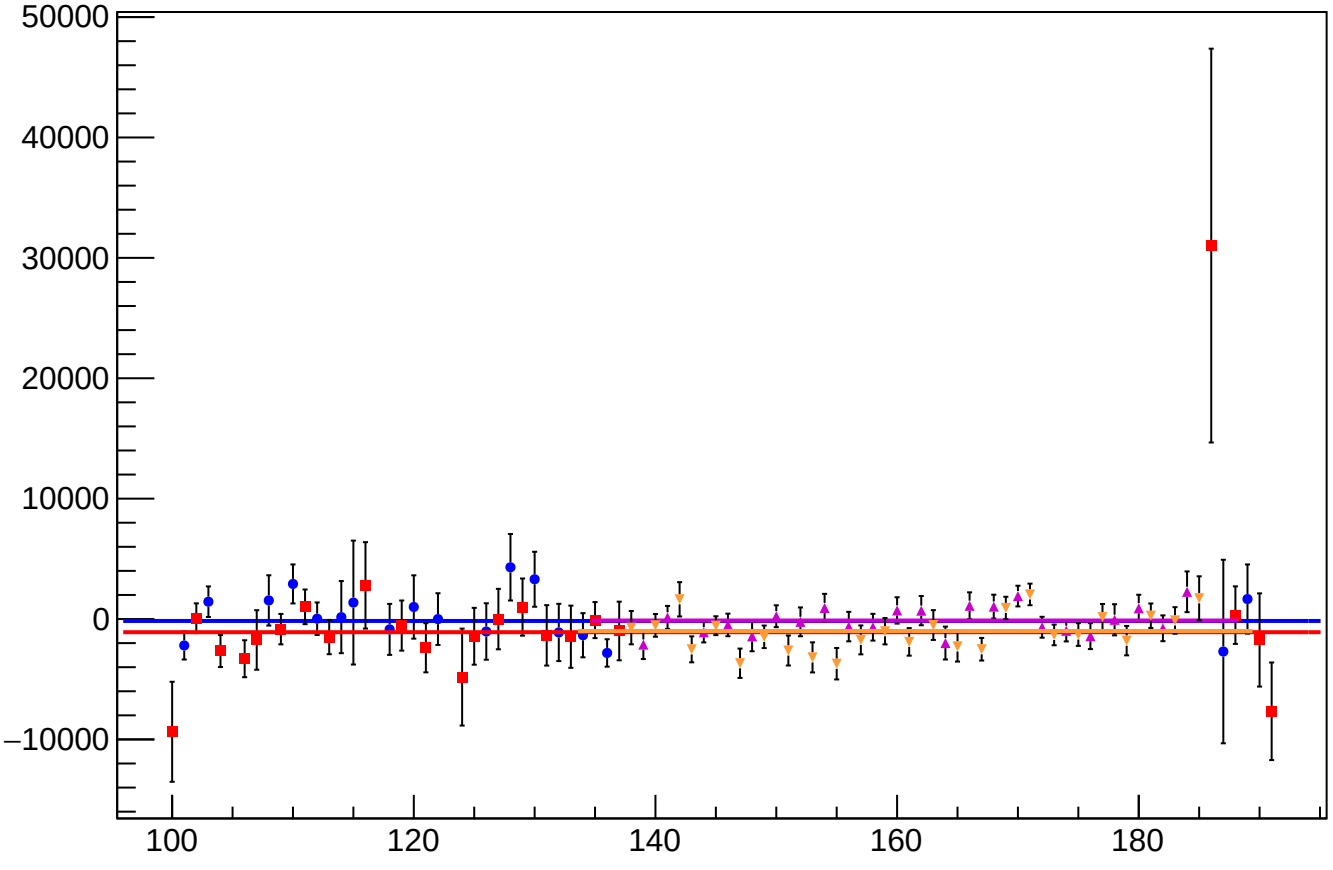
Left In: 137.491+/-0.023 χ^2/NDF:1109333.5/22

+ sign 132.648+/-0.018 χ^2/NDF: 2079819.0/42

All: 131.929+/-0.013 χ^2/NDF: 4702039.2/88

- sign 131.228+/-0.018 χ^2/NDF: 2619207.8/45

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: -1092.949+/-414.585 χ^2/NDF: 21.4/22

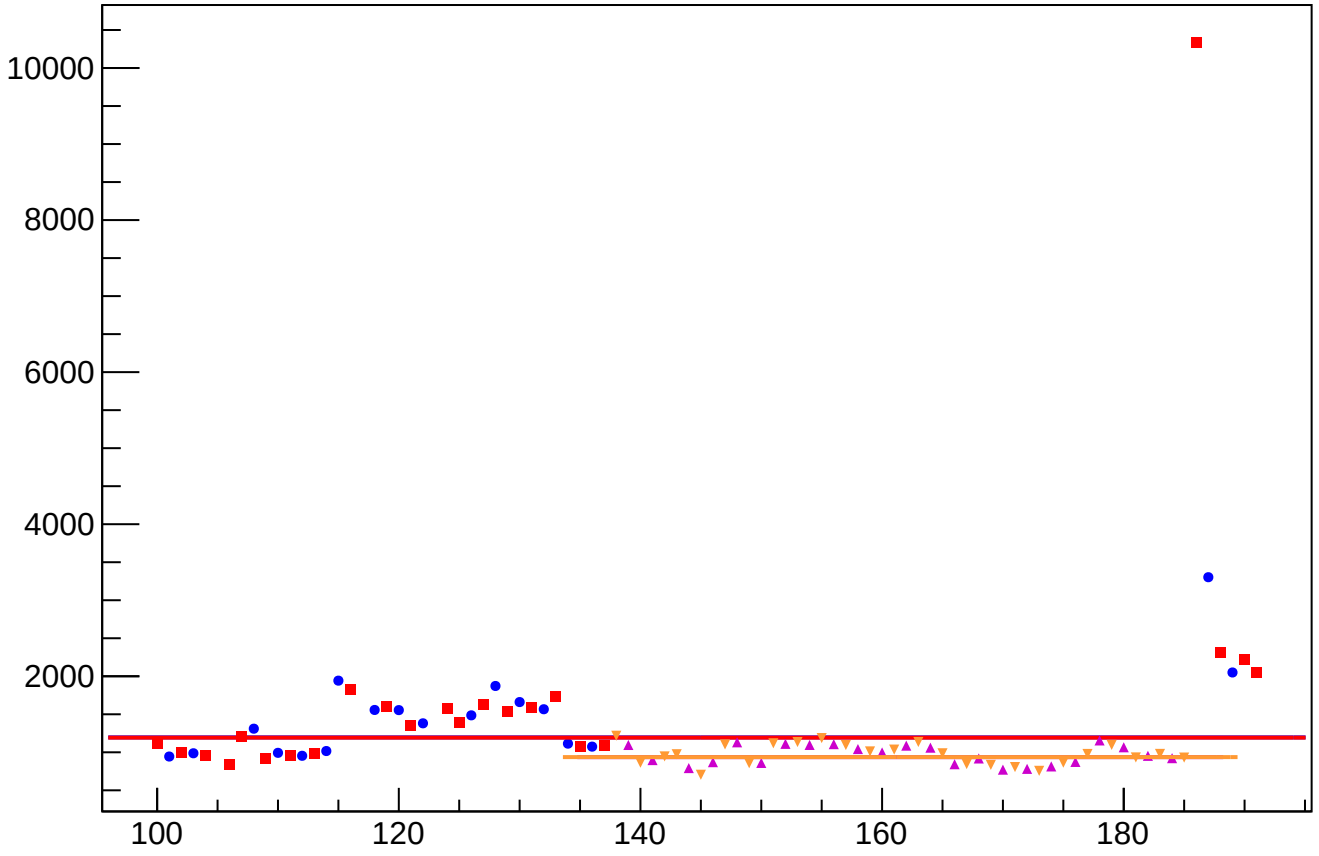
Left In: -124.857+/-221.367 χ^2/NDF:23.9/22

+ sign -832.543+/-193.752 χ^2/NDF: 70.7/42

All: -588.014+/-137.538 χ^2/NDF: 123.5/88

- sign -339.629+/-195.274 χ^2/NDF: 49.5/45

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: 1193.017+/-0.293 χ^2/NDF: 2146854.6/22

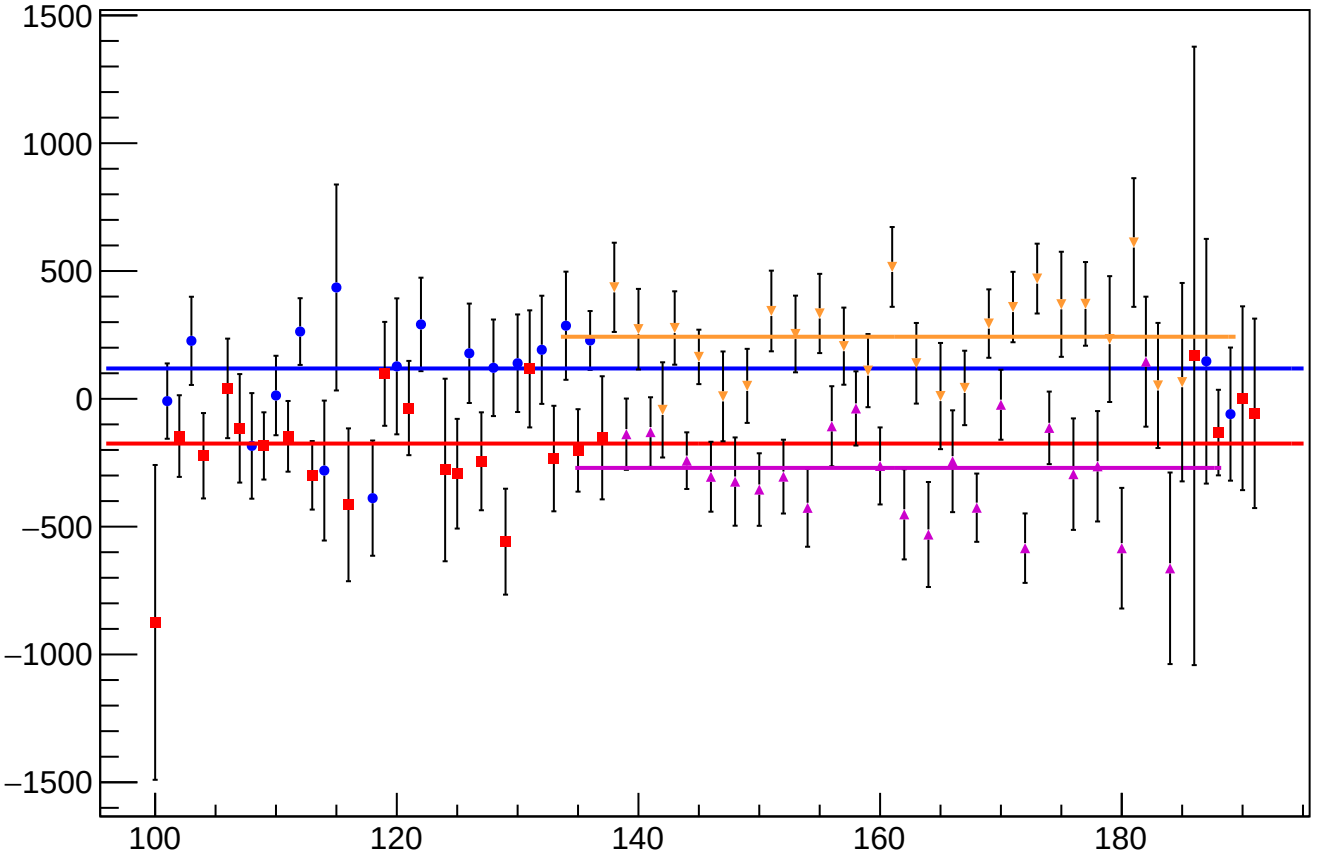
Left In: 936.380+/-0.157 χ^2/NDF:642749.3/22

+ sign 986.729+/-0.137 χ^2/NDF: 2436352.5/42

All: 989.997+/-0.097 χ^2/NDF: 5823453.5/88

- sign 993.315+/-0.138 χ^2/NDF: 3385954.5/45

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: -174.990+/-41.287 χ^2/NDF: 12.8/22

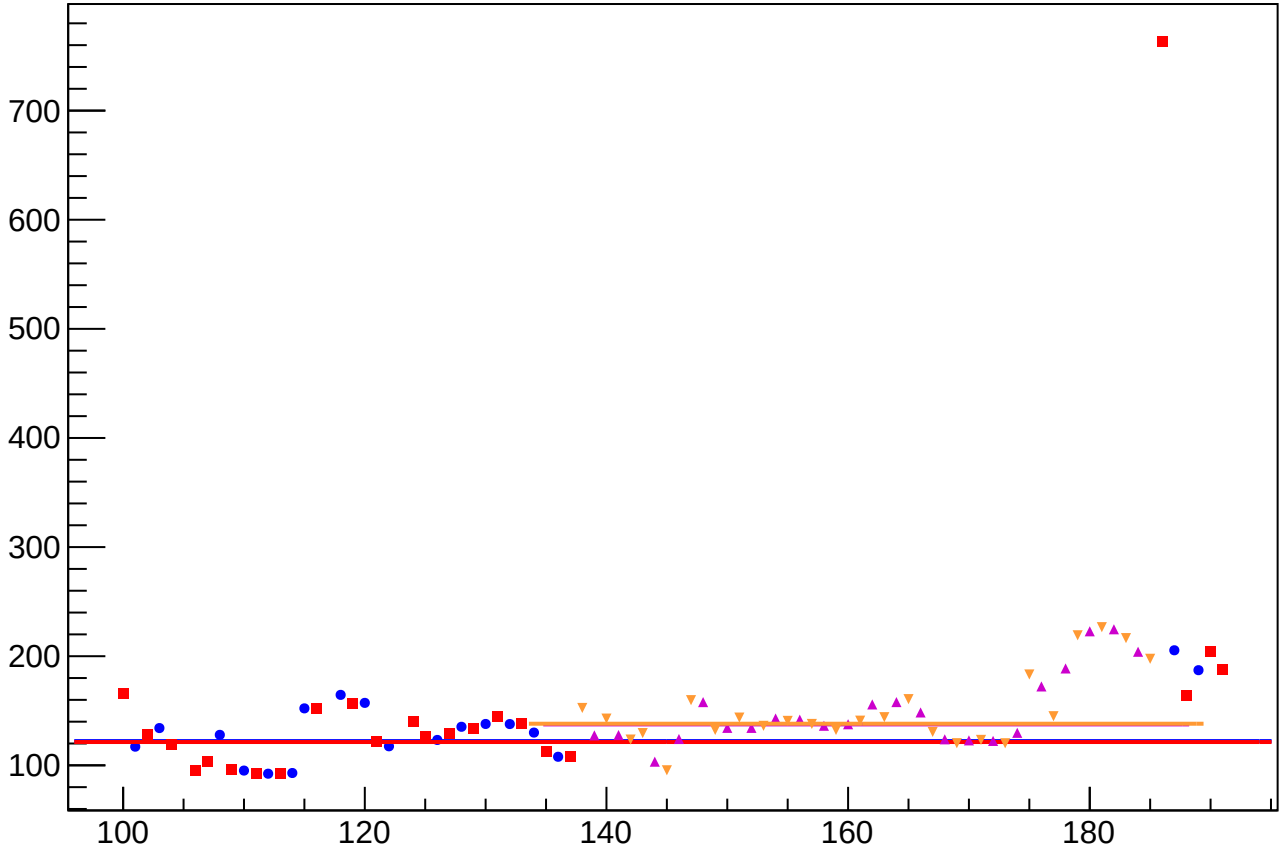
Left In: -270.244+/-32.893 χ^2/NDF:26.7/22

+ sign 200.187+/-26.030 χ^2/NDF: 44.7/42

All: -19.073+/-18.298 χ^2/NDF: 227.8/88

- sign -233.260+/-25.727 χ^2/NDF: 42.8/45

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

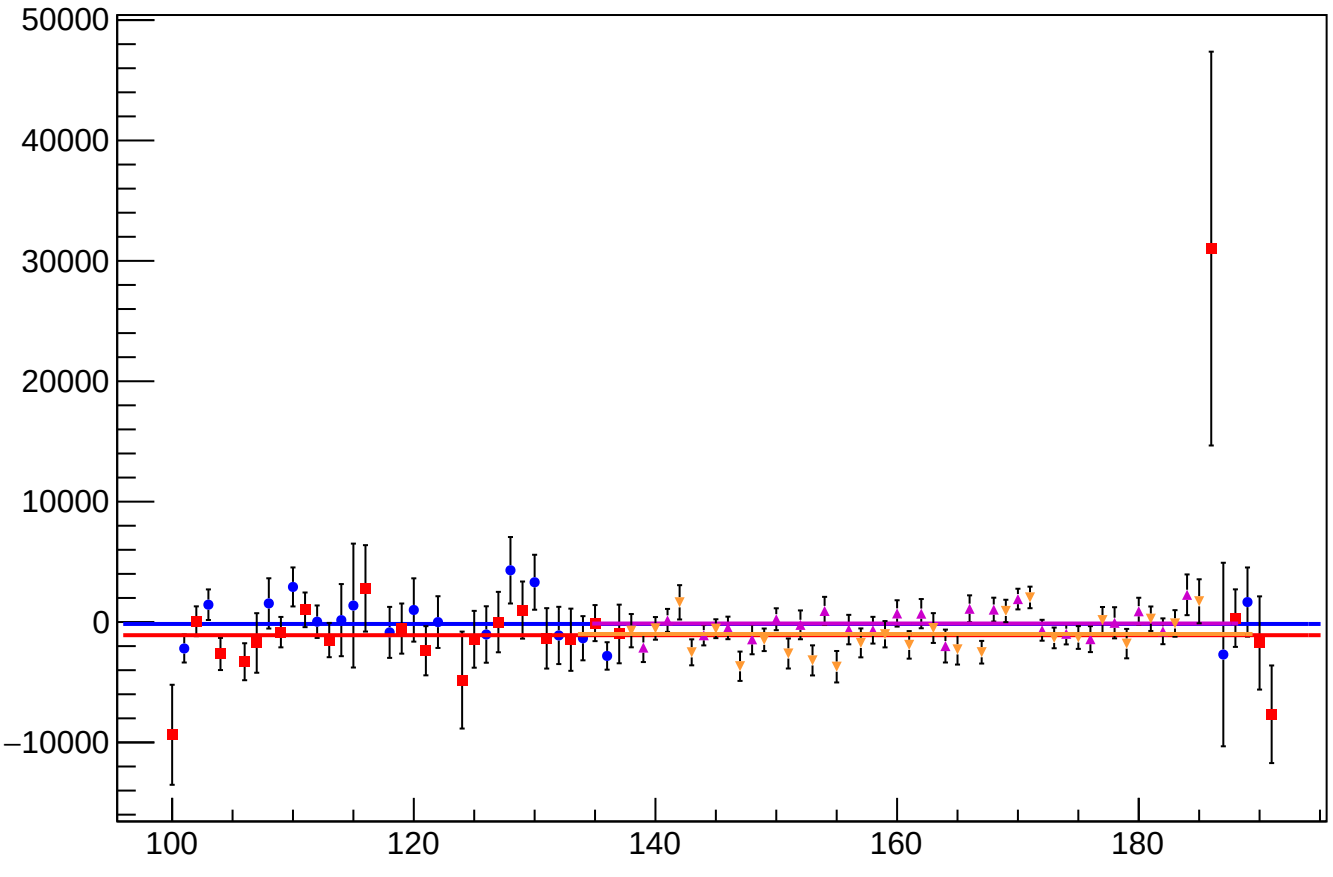
Right Out: 121.359+/-0.029 χ^2/NDF: 1323097.4/22

Left In: 137.491+/-0.023 χ^2/NDF:1109319.8/22

+ sign 132.648+/-0.018 χ^2/NDF: 2079821.0/42

All: 131.929+/-0.013 χ^2/NDF: 4702034.6/88

- sign 131.228+/-0.018 χ^2/NDF: 2619201.1/45



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: -1092.949+/-414.585 χ^2/NDF: 21.4/22

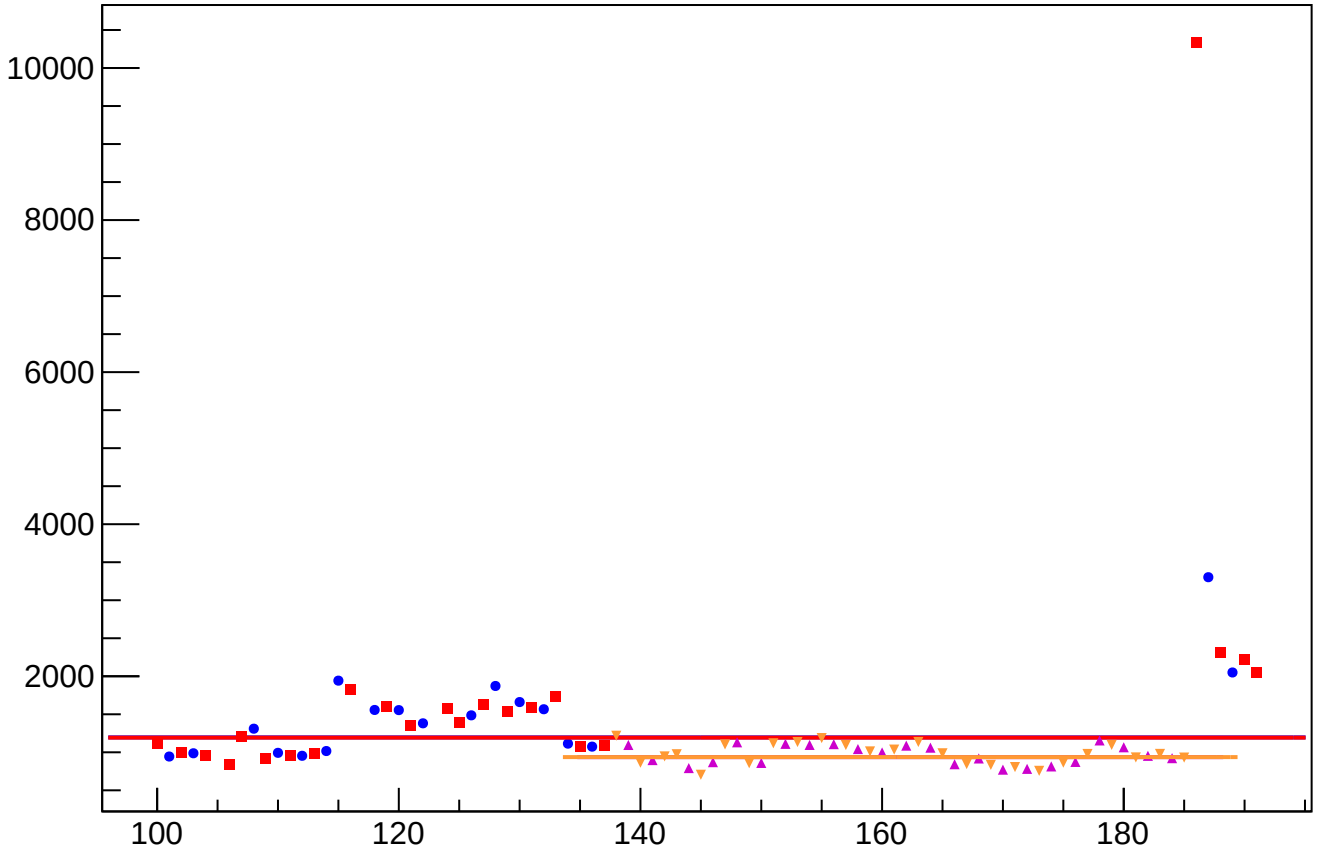
Left In: -124.856+/-221.366 χ^2/NDF:23.9/22

+ sign -832.542+/-193.752 χ^2/NDF: 70.7/42

All: -588.012+/-137.538 χ^2/NDF: 123.5/88

- sign -339.627+/-195.274 χ^2/NDF: 49.5/45

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: 1193.016+/-0.293 χ^2/NDF: 2146853.7/22

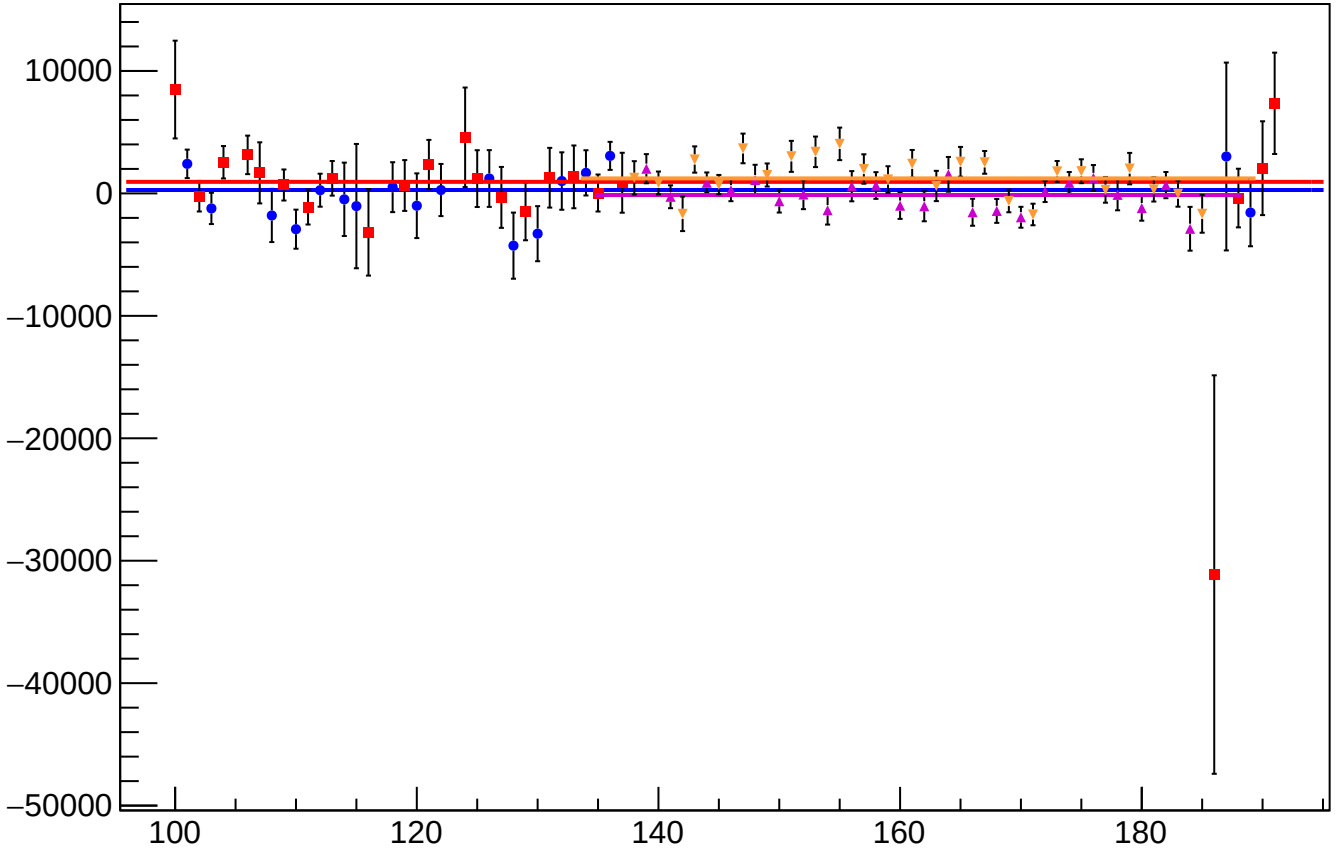
Left In: 936.379+/-0.157 χ^2/NDF:642748.0/22

+ sign 986.728+/-0.137 χ^2/NDF: 2436360.6/42

All: 989.996+/-0.097 χ^2/NDF: 5823462.9/88

- sign 993.314+/-0.138 χ^2/NDF: 3385955.8/45

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: 943.859+/-414.145 χ^2/NDF: 21.2/22

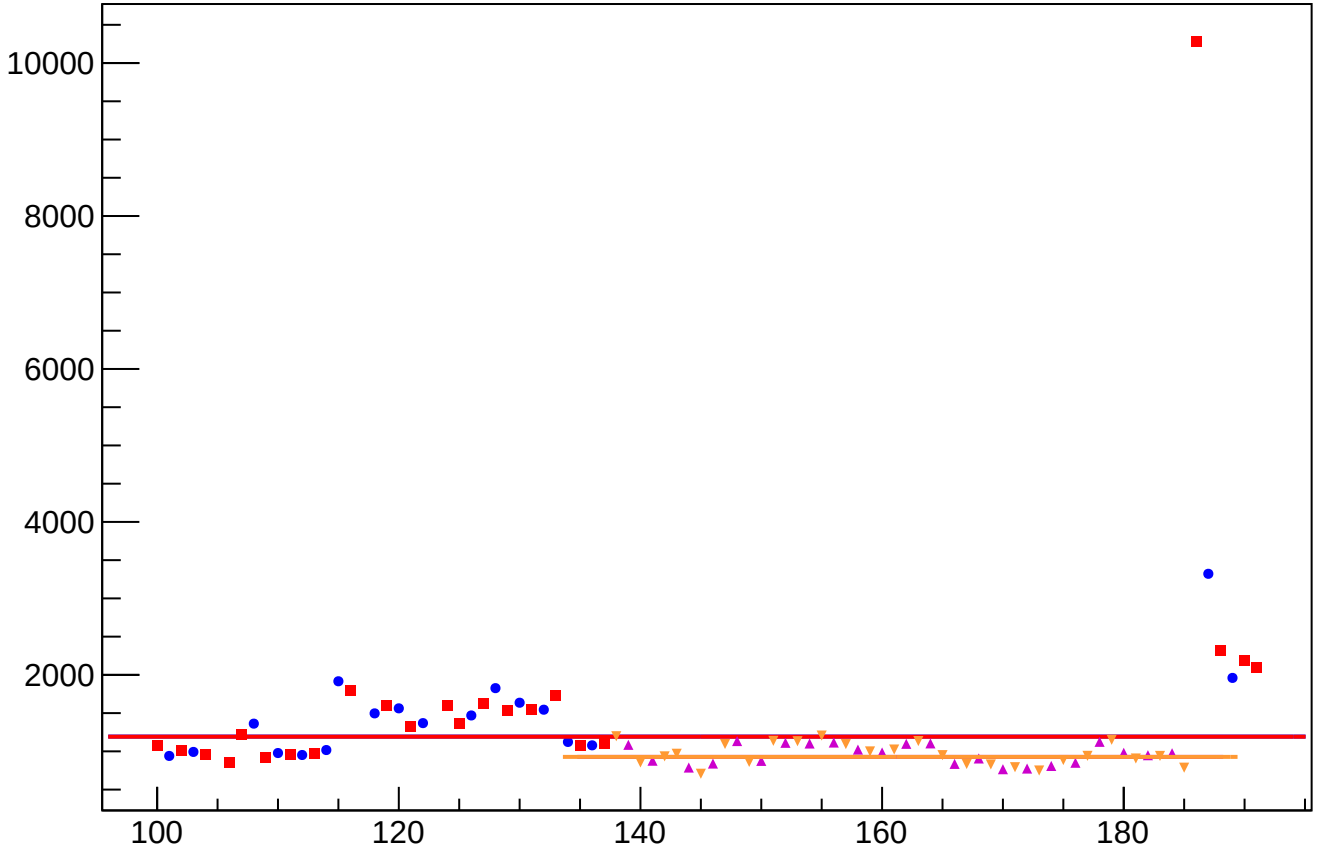
Left In: -132.834+/-219.278 χ^2/NDF:25.8/22

+ sign 1044.416+/-192.320 χ^2/NDF: 75.0/42

All: 577.252+/-136.508 χ^2/NDF: 139.2/88

- sign 102.916+/-193.791 χ^2/NDF: 52.3/45

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

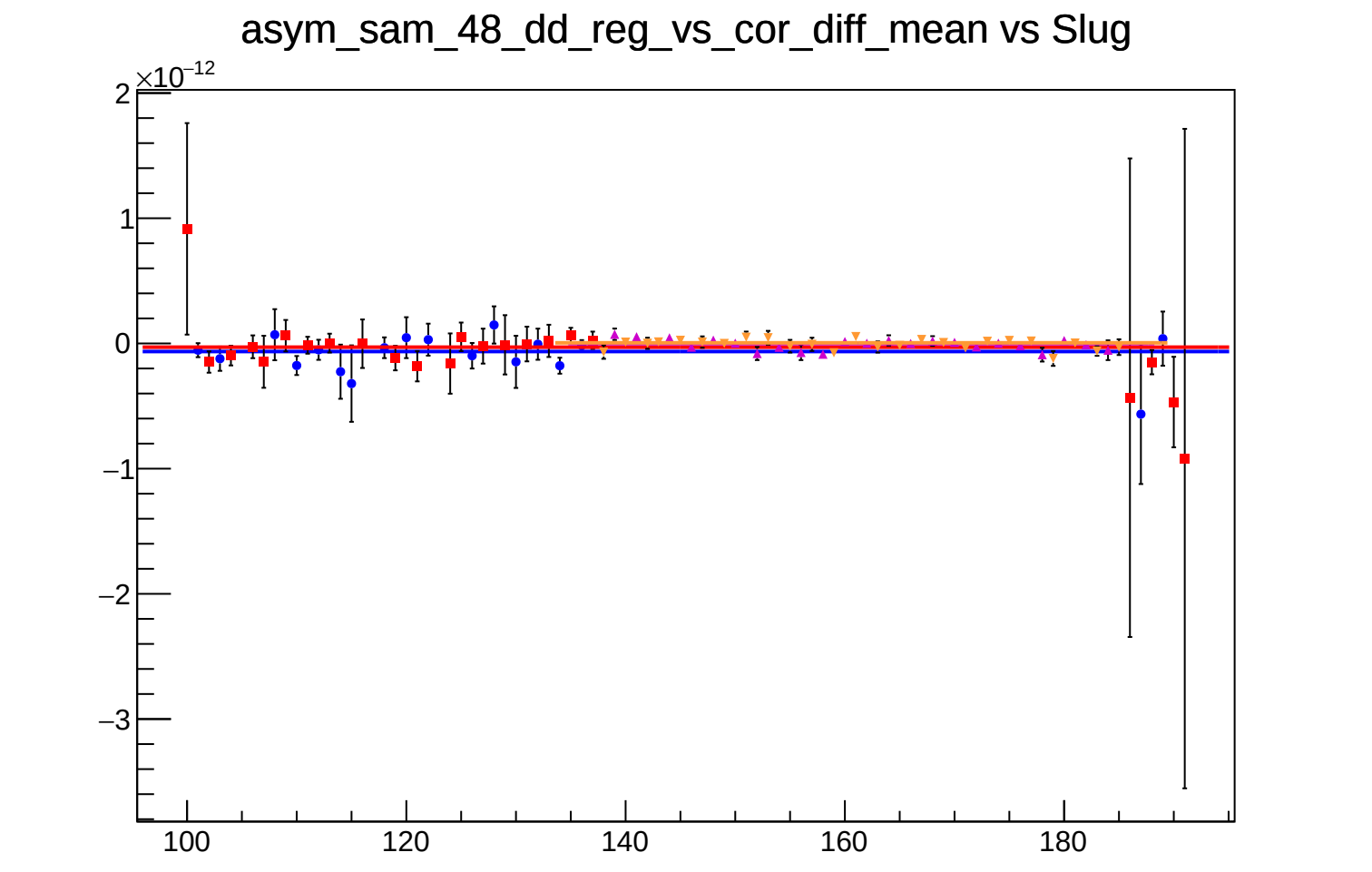
Right Out: 1191.513+/-0.293 χ^2/NDF: 2115781.8/22

Left In: 927.321+/-0.155 χ^2/NDF:656539.8/22

+ sign 978.426+/-0.136 χ^2/NDF: 2459759.3/42

All: 981.771+/-0.097 χ^2/NDF: 5868983.0/88

- sign 985.168+/-0.137 χ^2/NDF: 3408004.3/45



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: 14.8/22

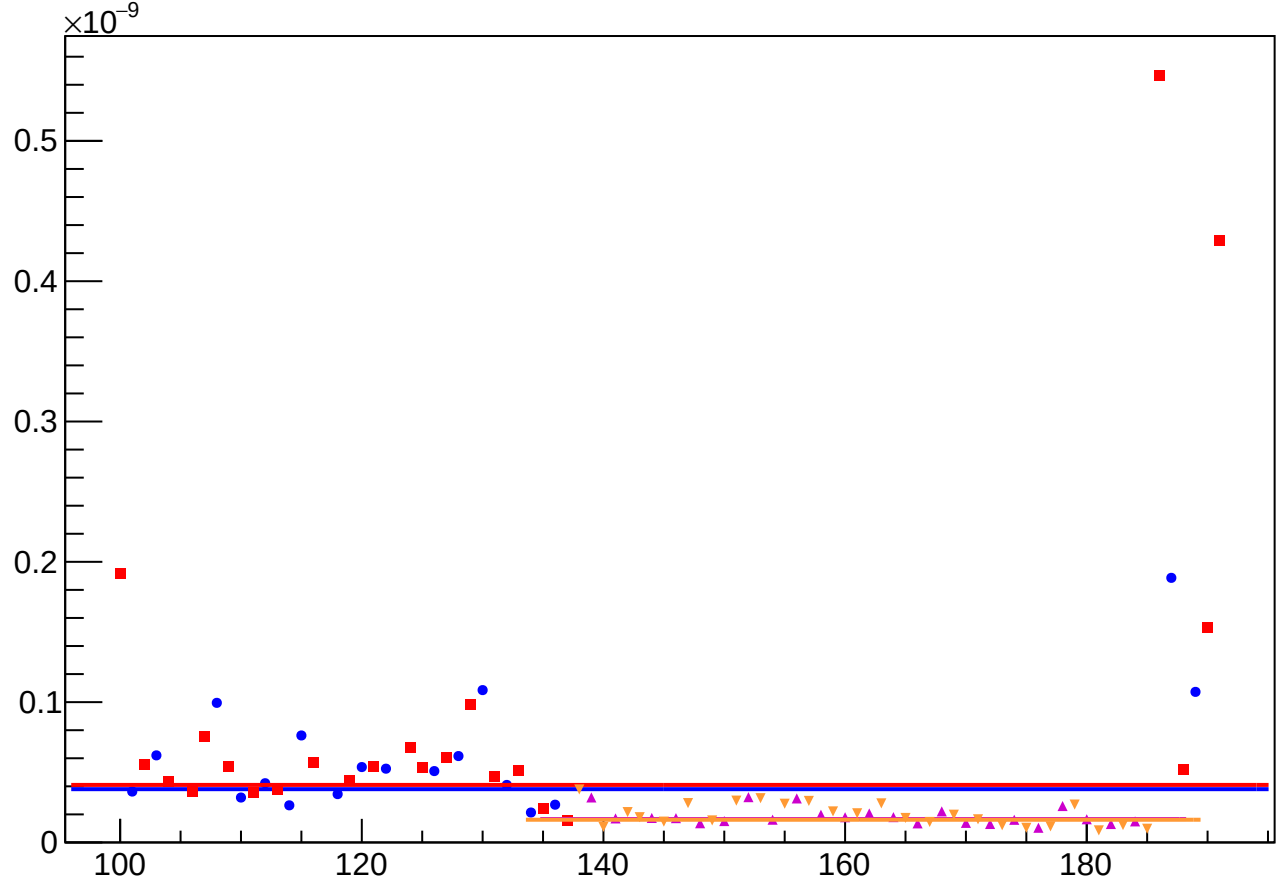
Left In: -0.000+/-0.000 χ^2/NDF:27.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.3/42

All: -0.000+/-0.000 χ^2/NDF: 92.4/88

- sign -0.000+/-0.000 χ^2/NDF: 44.0/45

asym_sam_48_dd_reg_vs_cor_diff_rms vs Slug



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: 1311225.1/22

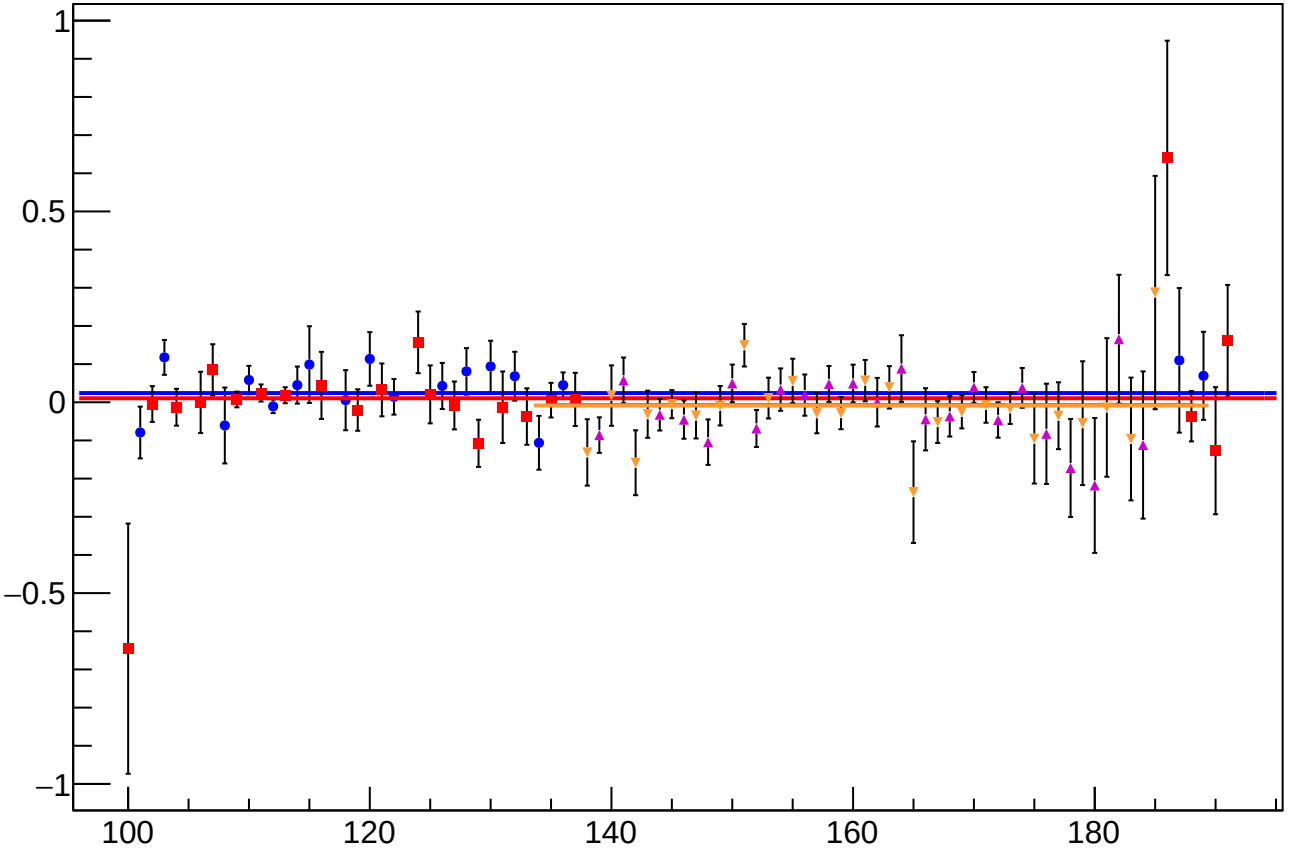
Left In: 0.000+/-0.000 χ^2/NDF:928356.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 5212372.8/42

All: 0.000+/-0.000 χ^2/NDF: 9621269.0/88

- sign 0.000+/-0.000 χ^2/NDF: 4393700.9/45

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: 0.011+/-0.010 χ^2/NDF: 20.7/22

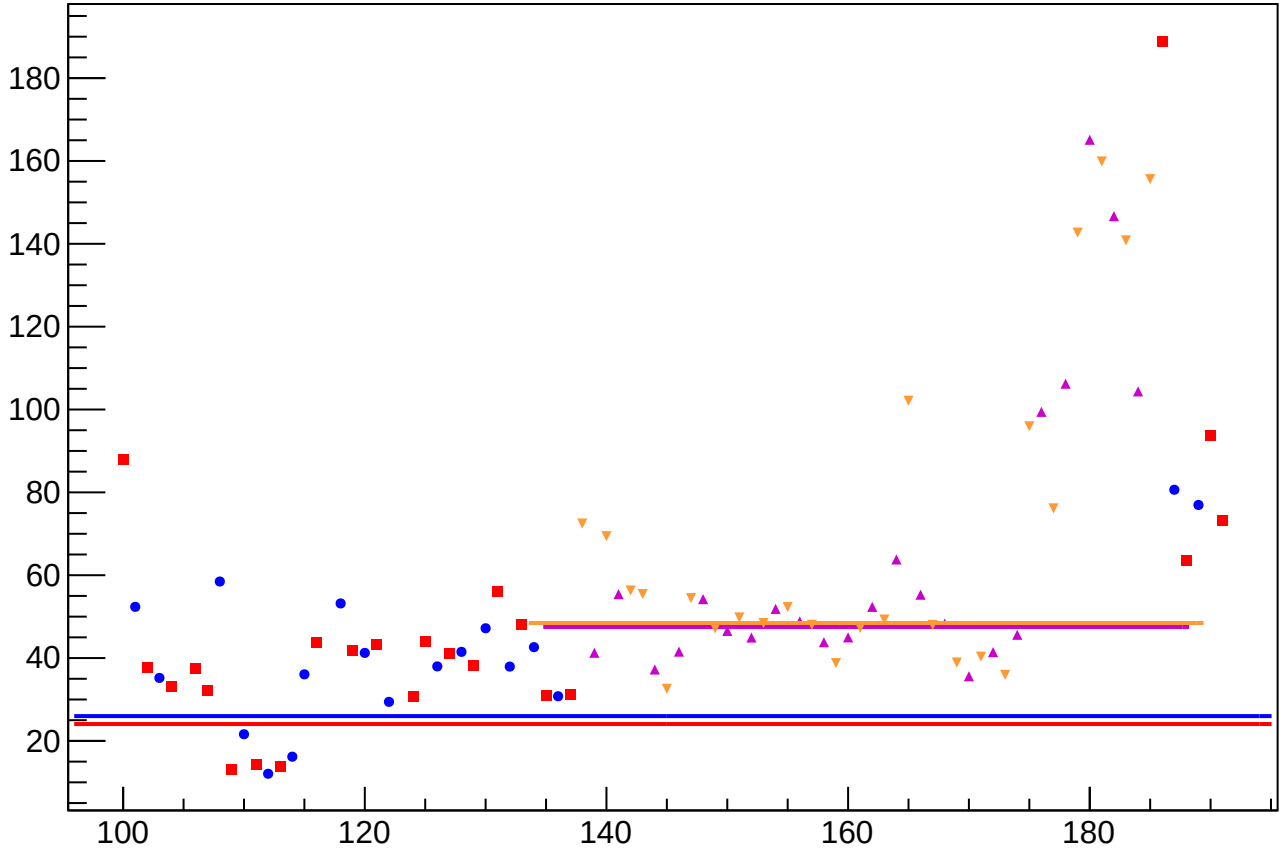
Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.009+/-0.008 χ^2/NDF: 48.2/42

All: 0.006+/-0.006 χ^2/NDF: 93.8/88

- sign 0.003+/-0.008 χ^2/NDF: 45.3/45

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

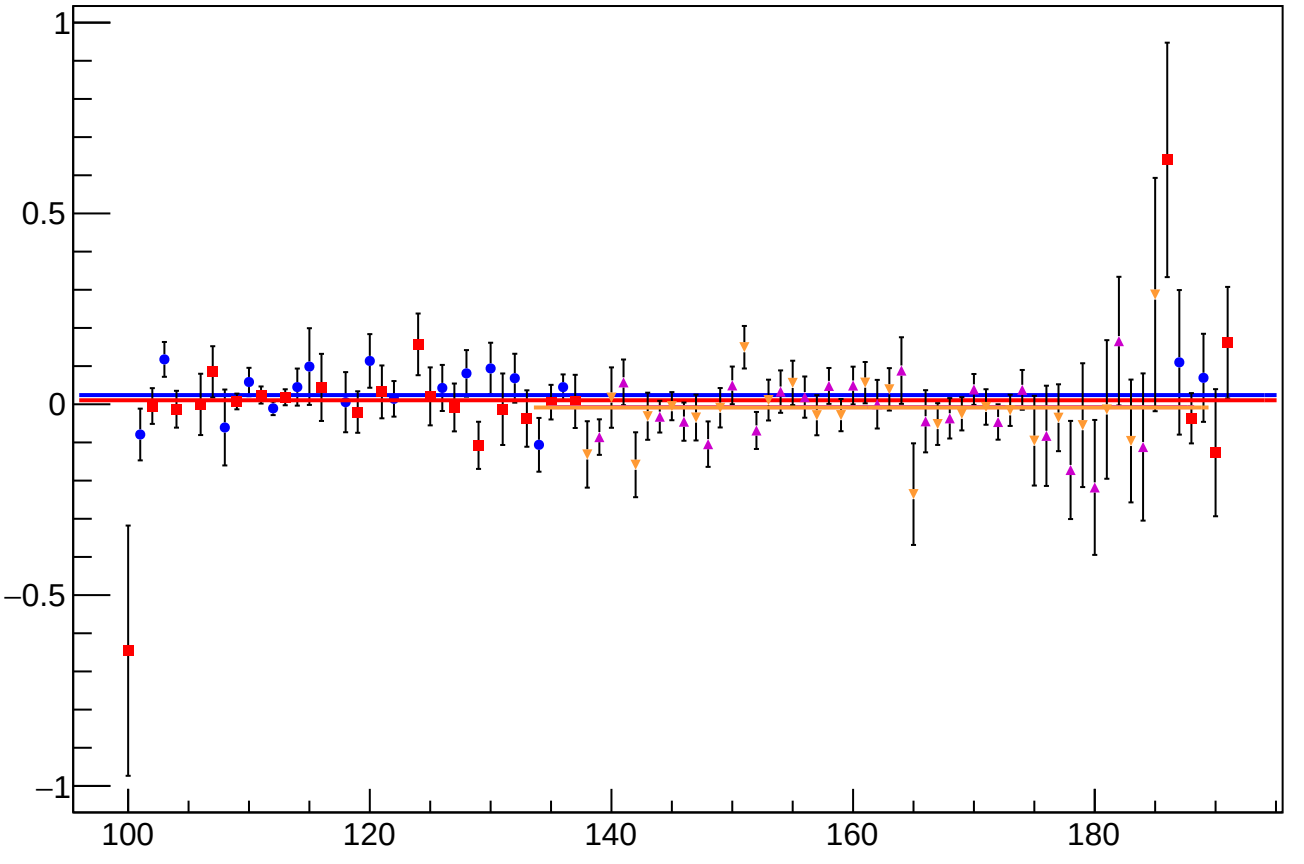
Right Out: 24.077+/-0.007 χ^2/NDF: 5058621.6/22

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 36.248+/-0.006 χ^2/NDF: 11674872.1/42

All: 34.638+/-0.004 χ^2/NDF: 24568802.6/88

- sign 33.251+/-0.005 χ^2/NDF: 12747312.0/45



Right In: 0.024+/-0.011 χ^2/NDF: 21.1/17

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

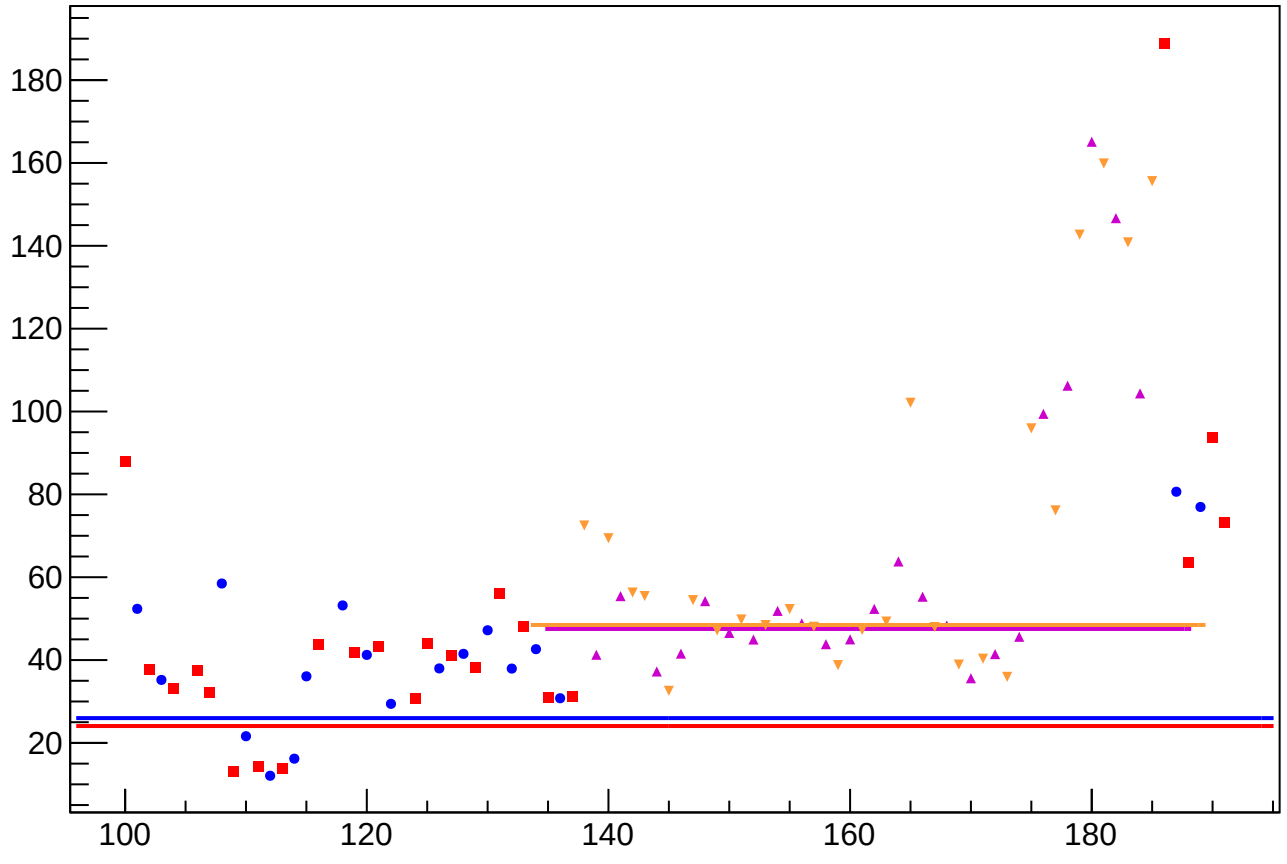
Right Out: 0.011+/-0.010 χ^2/NDF: 20.7/22

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: 93.8/88

- sign 0.003+/-0.008 χ^2/NDF: 45.3/45



Right In: 25.990+/-0.008 χ^2/NDF: 3488878.6/17

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

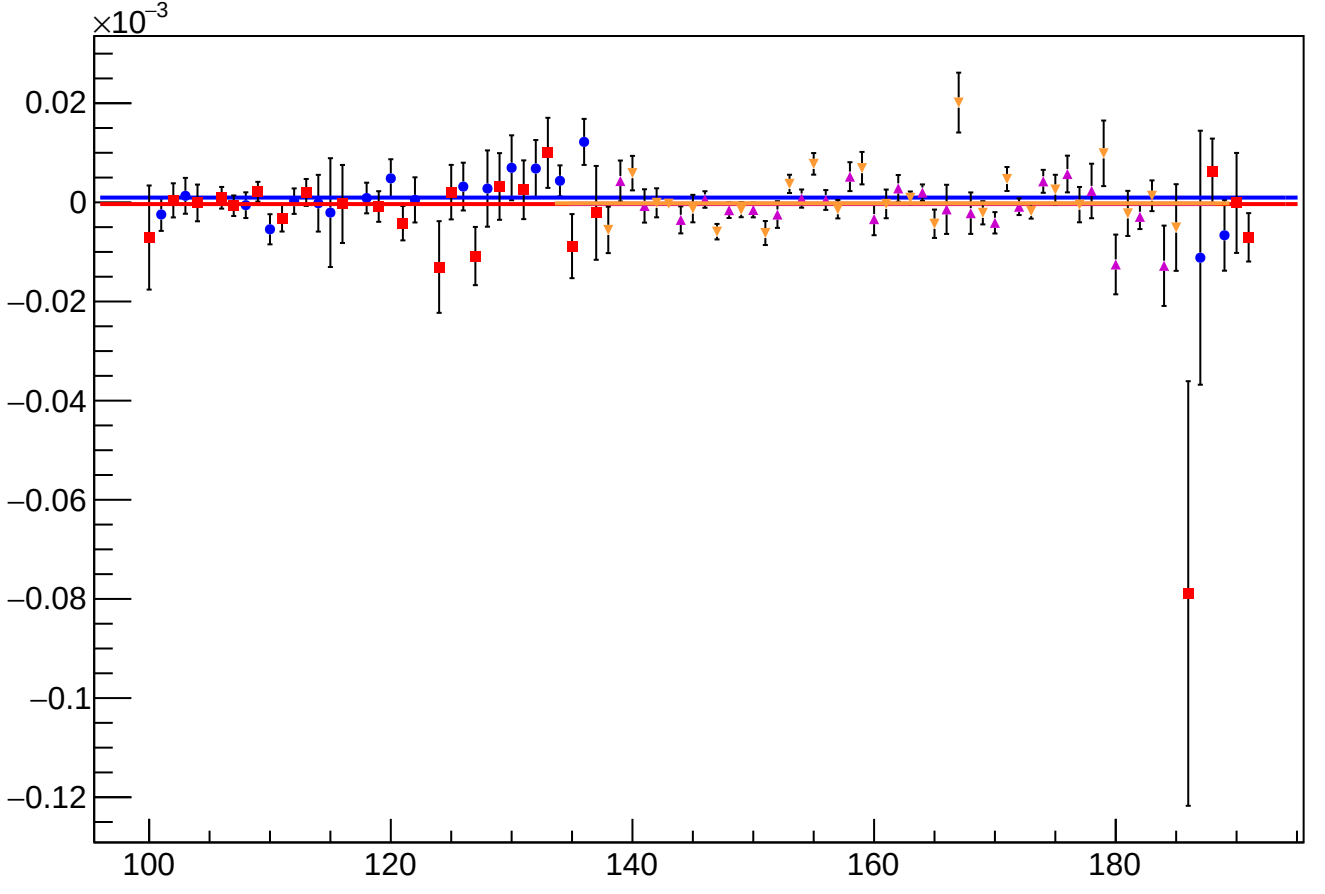
Right Out: 24.077+/-0.007 χ^2/NDF: 5058621.6/22

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 36.248+/-0.006 χ^2/NDF: 11674872.1/42

All: 34.638+/-0.004 χ^2/NDF: 24568802.6/88

- sign 33.251+/-0.005 χ^2/NDF: 12747312.0/45



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: 21.4/22

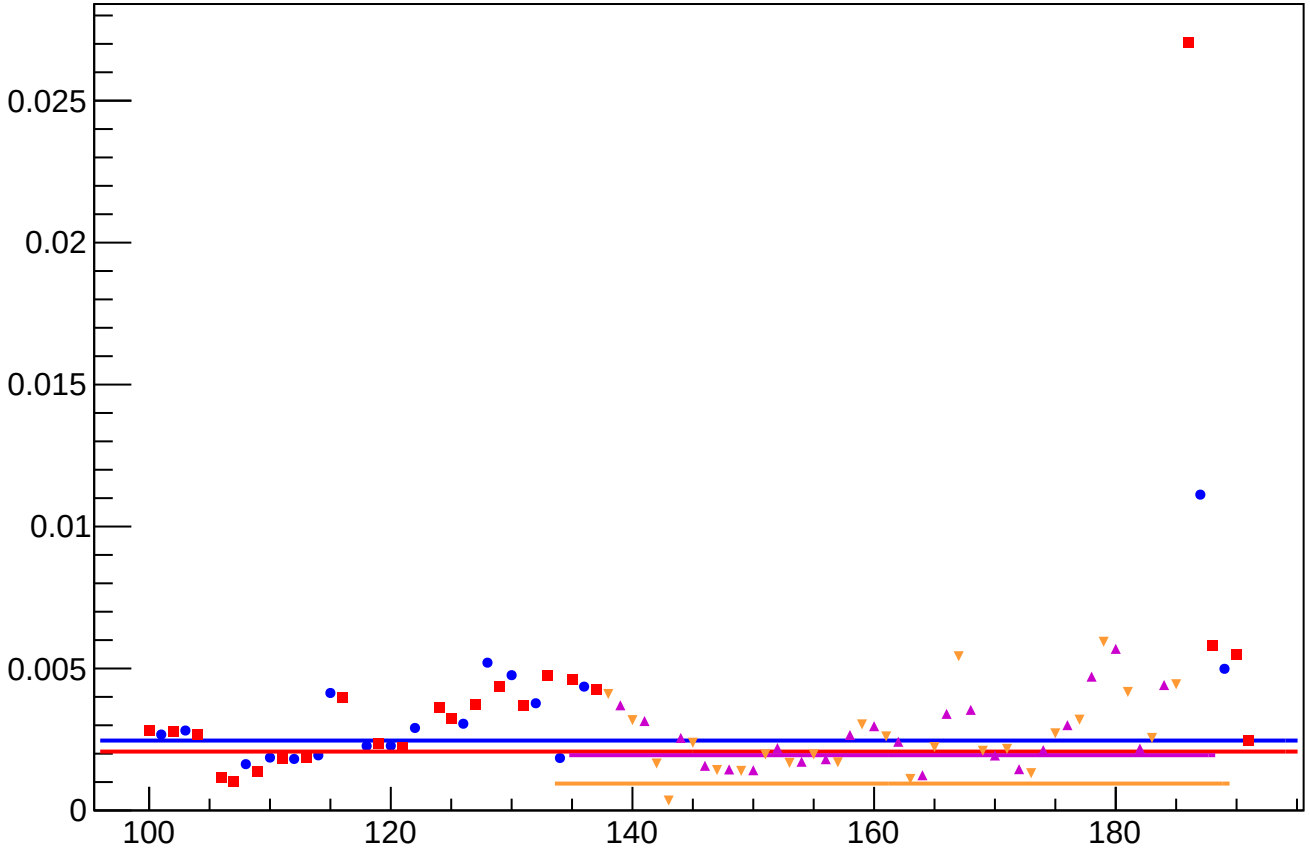
Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 90.6/42

All: -0.000+/-0.000 χ^2/NDF: 143.1/88

- sign -0.000+/-0.000 χ^2/NDF: 52.3/45

asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 2057780.7/17

Left Out: 0.001+/-0.000 χ^2/NDF:17608951.7/24

Right Out: 0.002+/-0.000 χ^2/NDF: 4353782.5/22

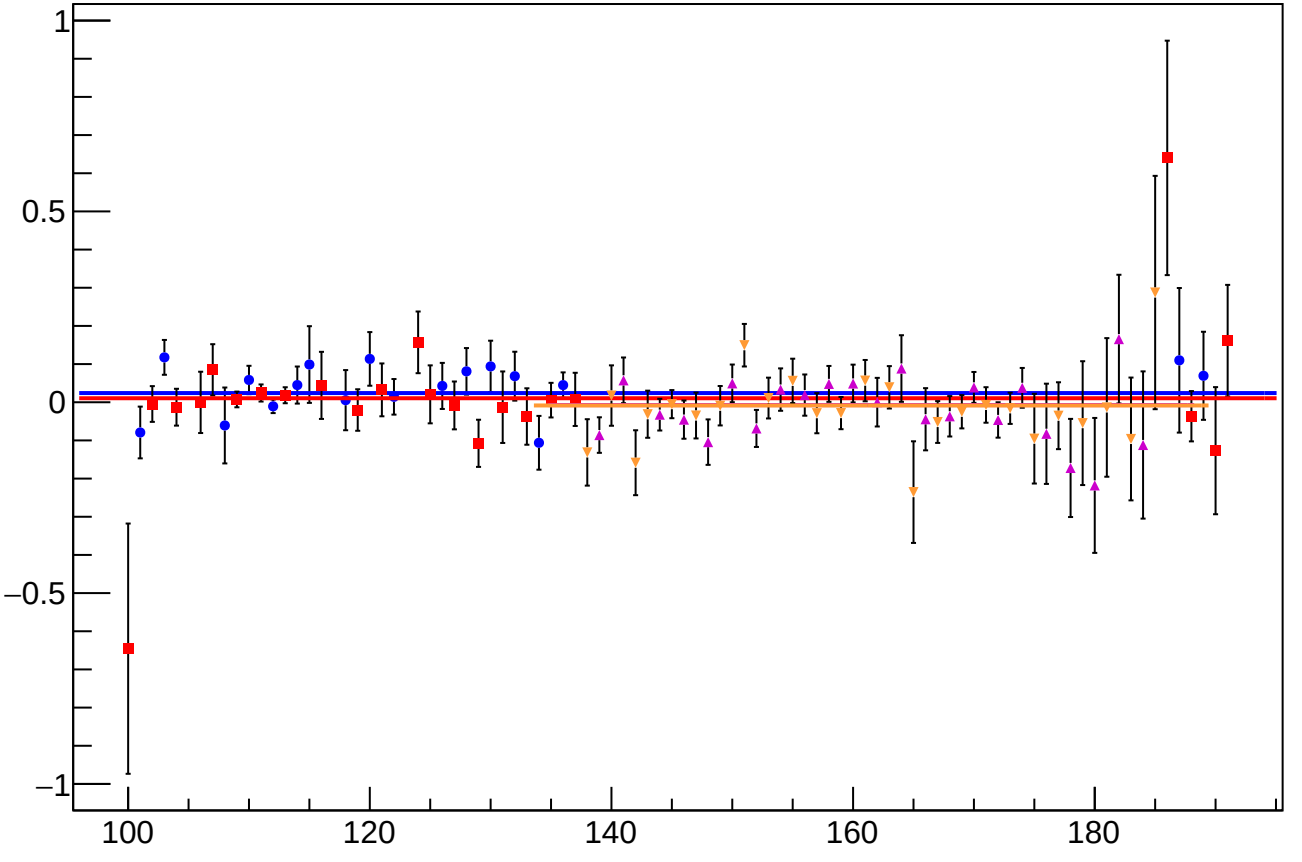
Left In: 0.002+/-0.000 χ^2/NDF:4362371.5/22

+ sign 0.001+/-0.000 χ^2/NDF: 24328355.7/42

All: 0.001+/-0.000 χ^2/NDF: 39257071.6/88

- sign 0.002+/-0.000 χ^2/NDF: 8753423.6/45

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: 0.011+/-0.010 χ^2/NDF: 20.7/22

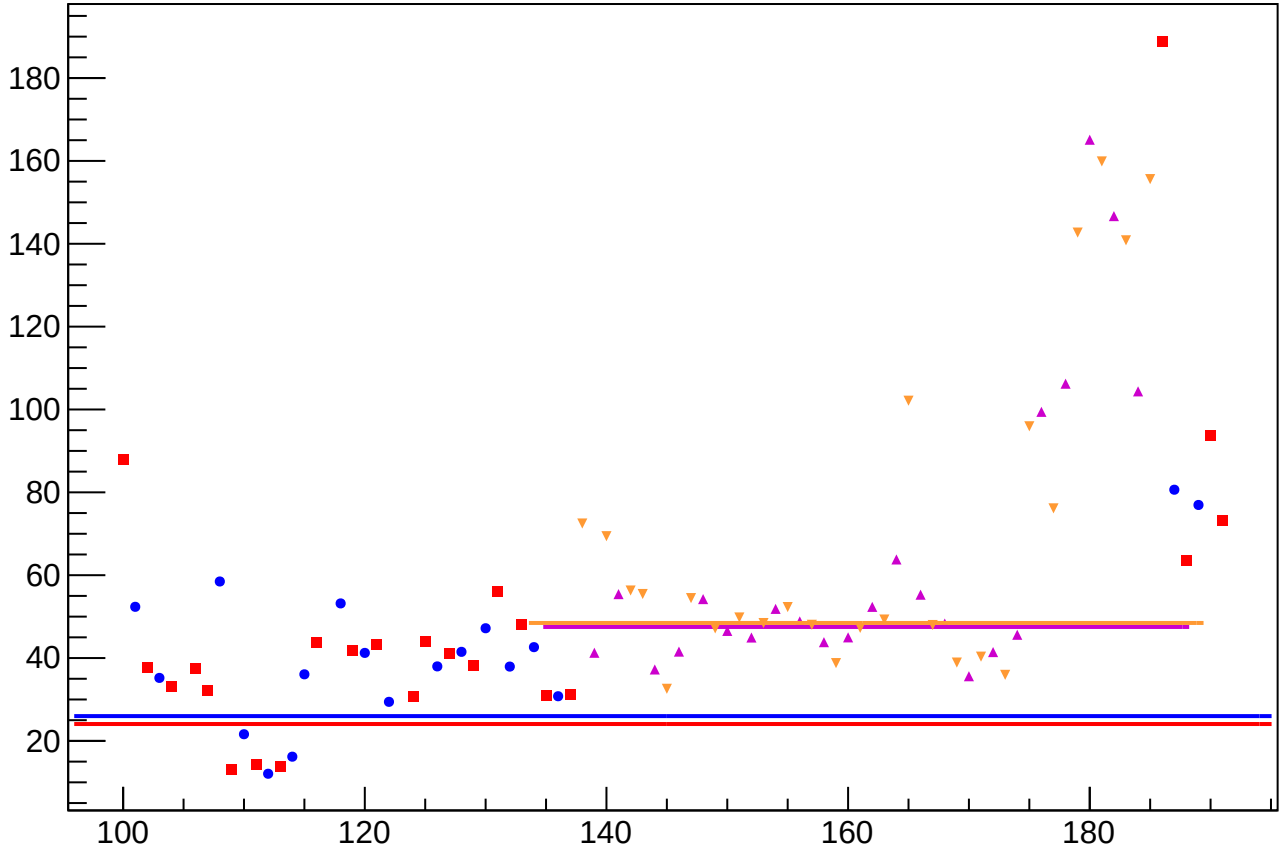
Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.009+/-0.008 χ^2/NDF: 48.2/42

All: 0.006+/-0.006 χ^2/NDF: 93.8/88

- sign 0.003+/-0.008 χ^2/NDF: 45.3/45

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

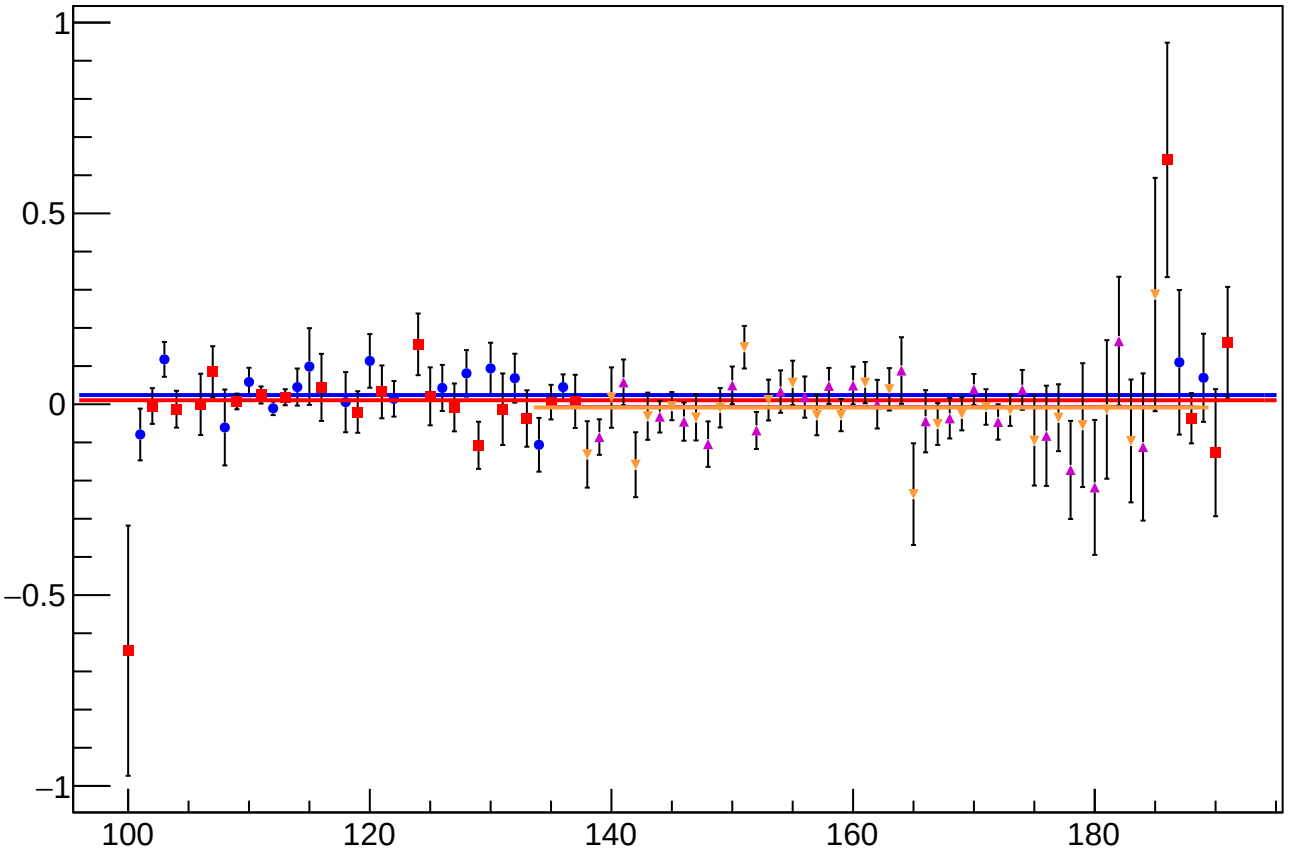
Right Out: 24.076+/-0.007 χ^2/NDF: 5058790.9/22

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 36.247+/-0.006 χ^2/NDF: 11675894.0/42

All: 34.638+/-0.004 χ^2/NDF: 24570109.6/88

- sign 33.251+/-0.005 χ^2/NDF: 12747669.3/45



Right In: 0.024+/-0.011 χ^2/NDF: 21.1/17

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

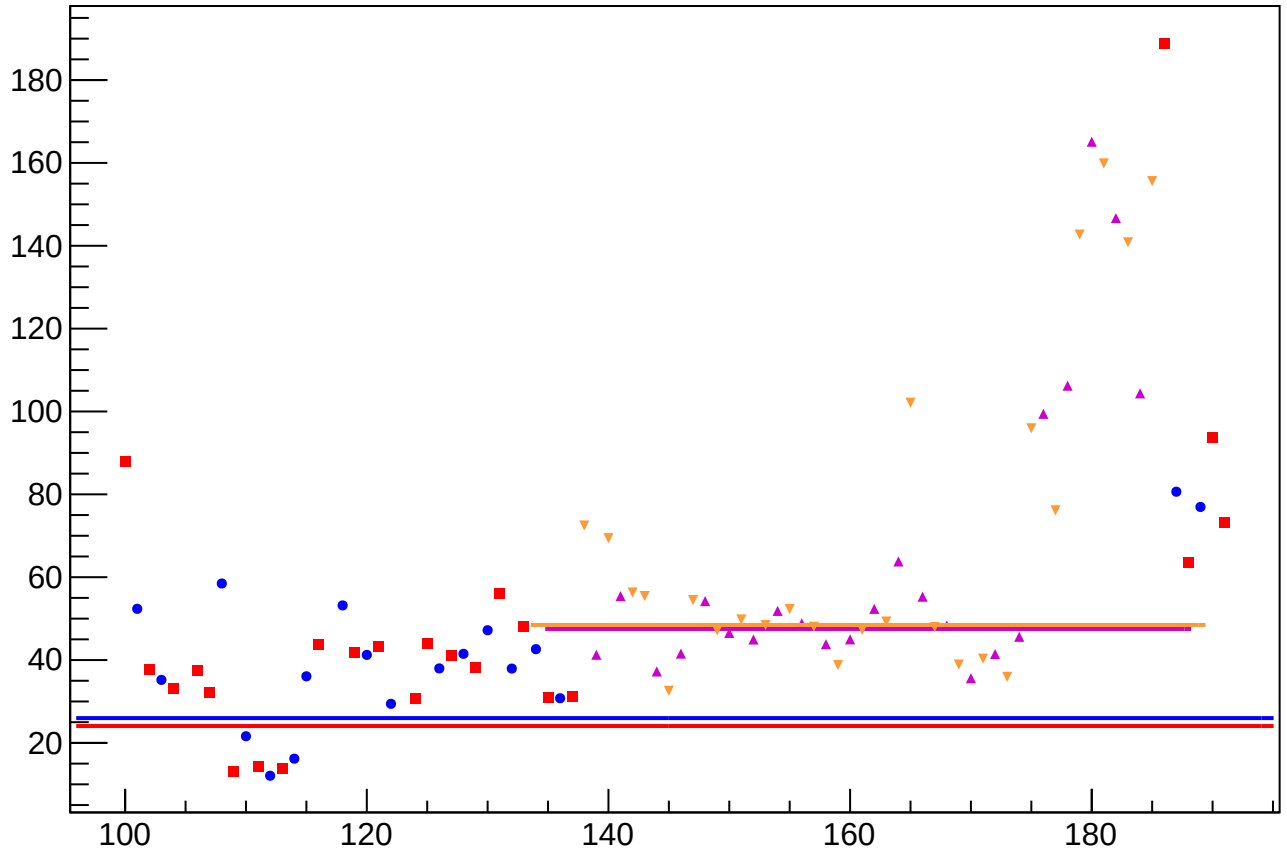
Right Out: 0.011+/-0.010 χ^2/NDF: 20.7/22

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: 93.8/88

- sign 0.003+/-0.008 χ^2/NDF: 45.3/45



Right In: 25.988+/-0.008 χ^2/NDF: 3489306.9/17

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

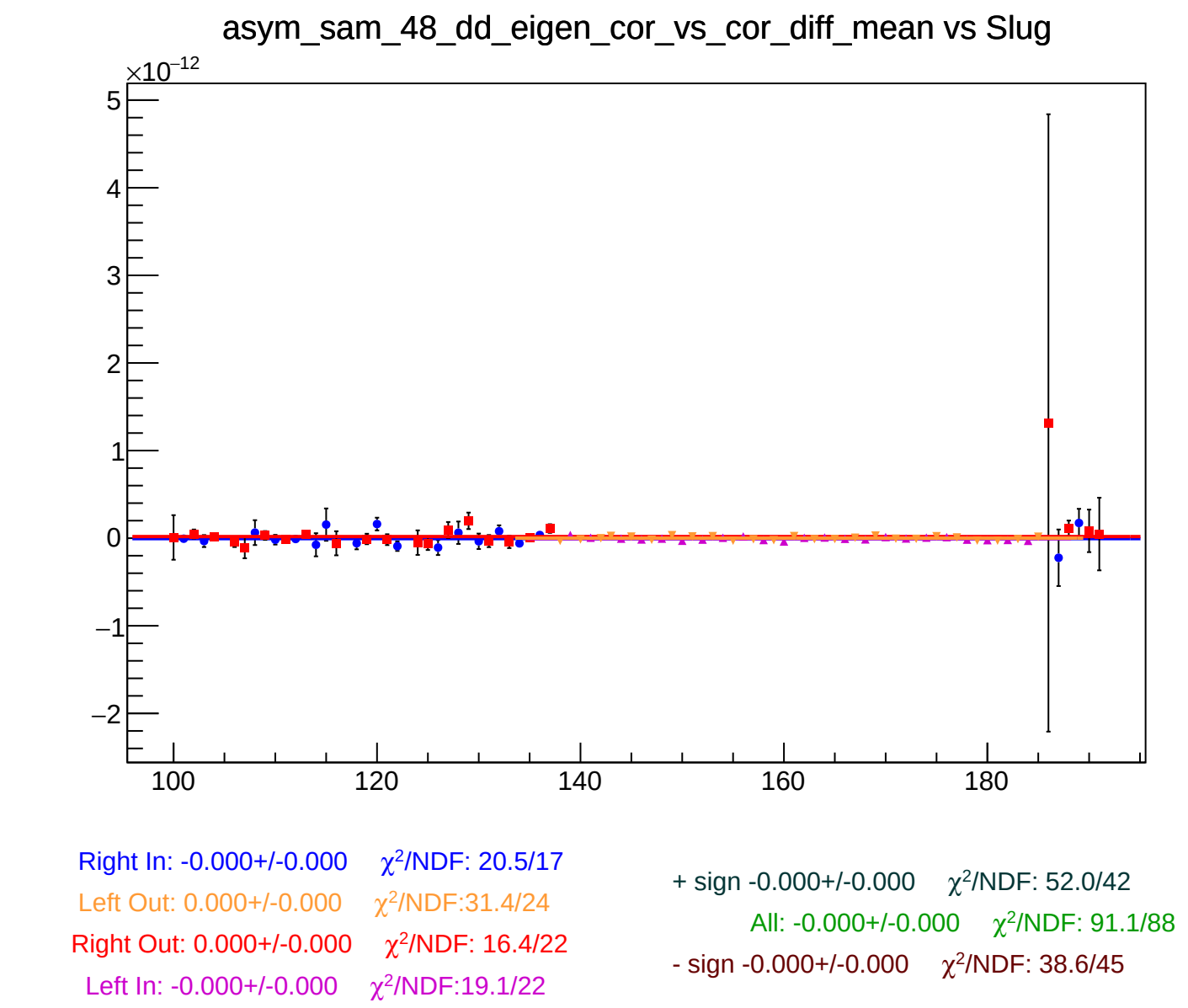
Right Out: 24.076+/-0.007 χ^2/NDF: 5058790.9/22

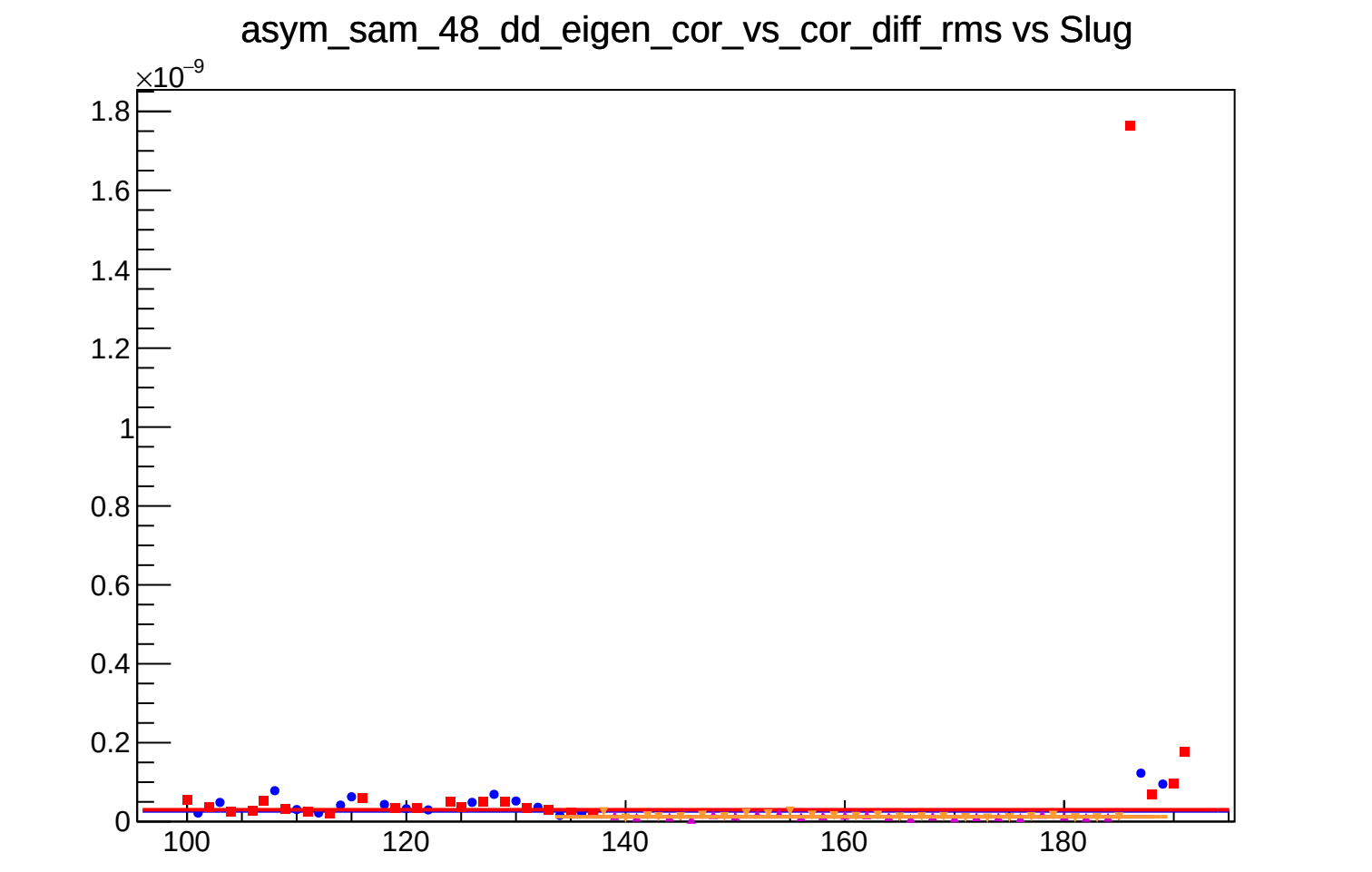
Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 36.247+/-0.006 χ^2/NDF: 11675894.0/42

All: 34.638+/-0.004 χ^2/NDF: 24570109.6/88

- sign 33.251+/-0.005 χ^2/NDF: 12747669.3/45


asym_sam_48_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
5
4
3
2
1
0
−1
−2
100
120
140
160
180
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: 16.4/22
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: 91.1/88
- sign -0.000+/-0.000 χ²/NDF: 38.6/45



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: 2192341.6/22

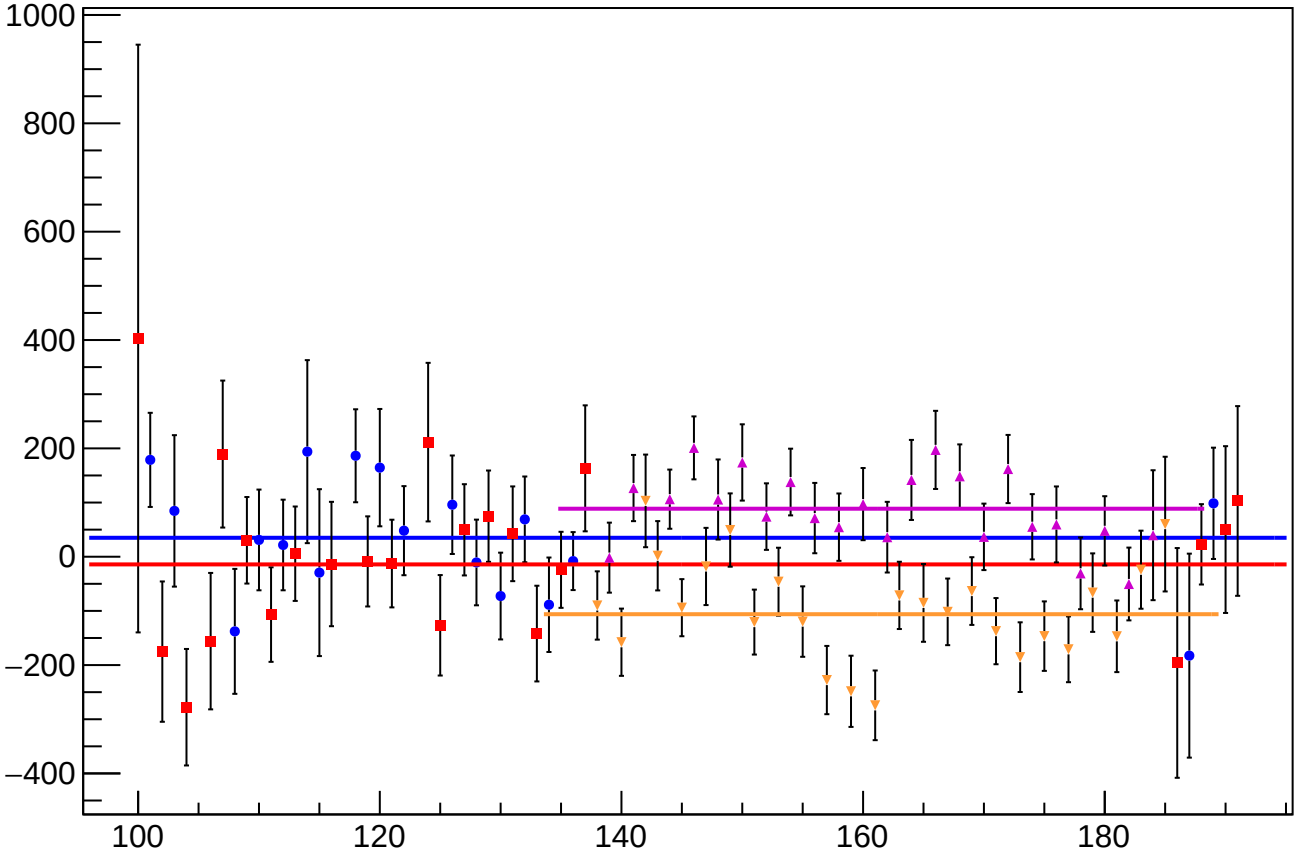
Left In: 0.000+/-0.000 χ^2/NDF:1925839.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 6693920.6/42

All: 0.000+/-0.000 χ^2/NDF: 14248484.4/88

- sign 0.000+/-0.000 χ^2/NDF: 7552590.0/45

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: -14.170+/-20.764 χ^2/NDF: 25.2/22

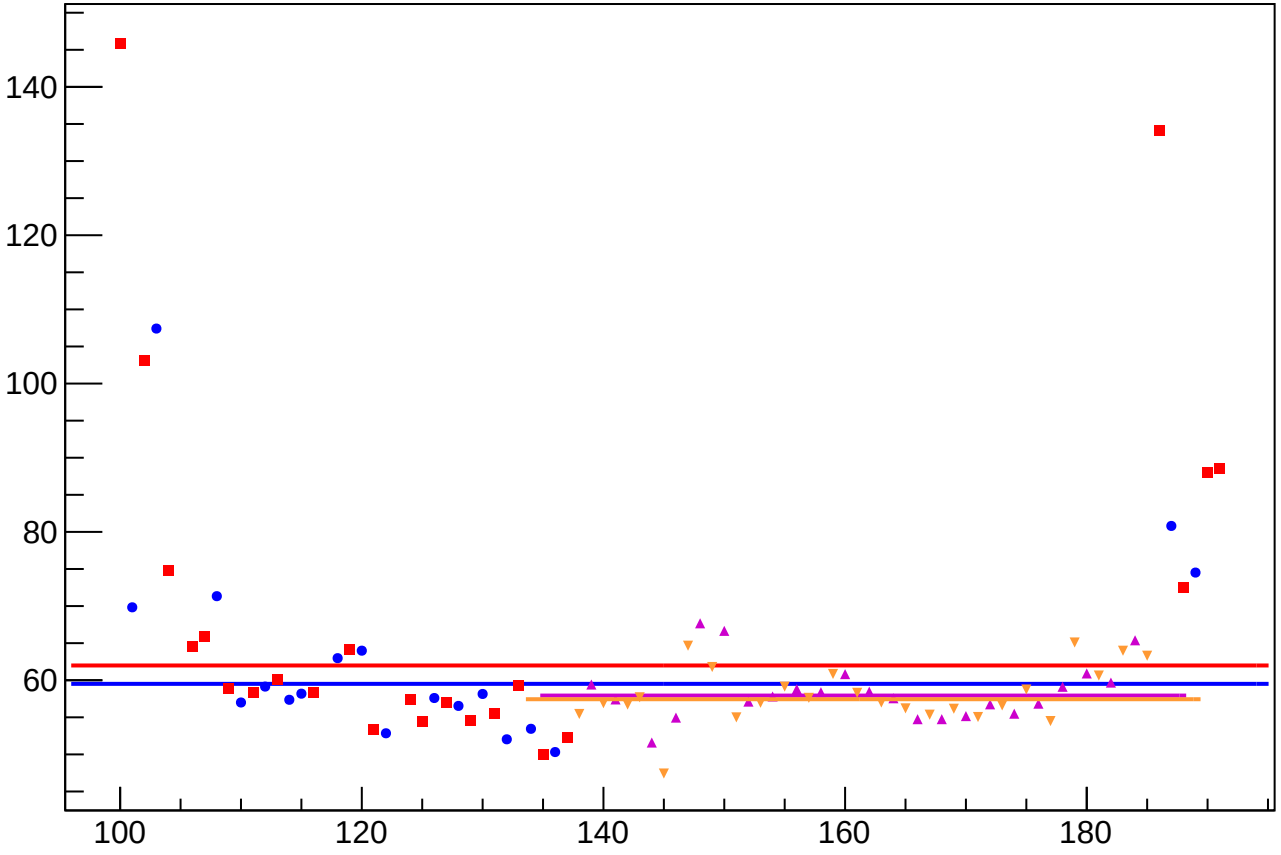
Left In: 88.619+/-13.566 χ^2/NDF:23.9/22

+ sign -67.945+/-11.180 χ^2/NDF: 90.0/42

All: -6.029+/-7.967 χ^2/NDF: 218.6/88

- sign 57.867+/-11.357 χ^2/NDF: 66.2/45

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

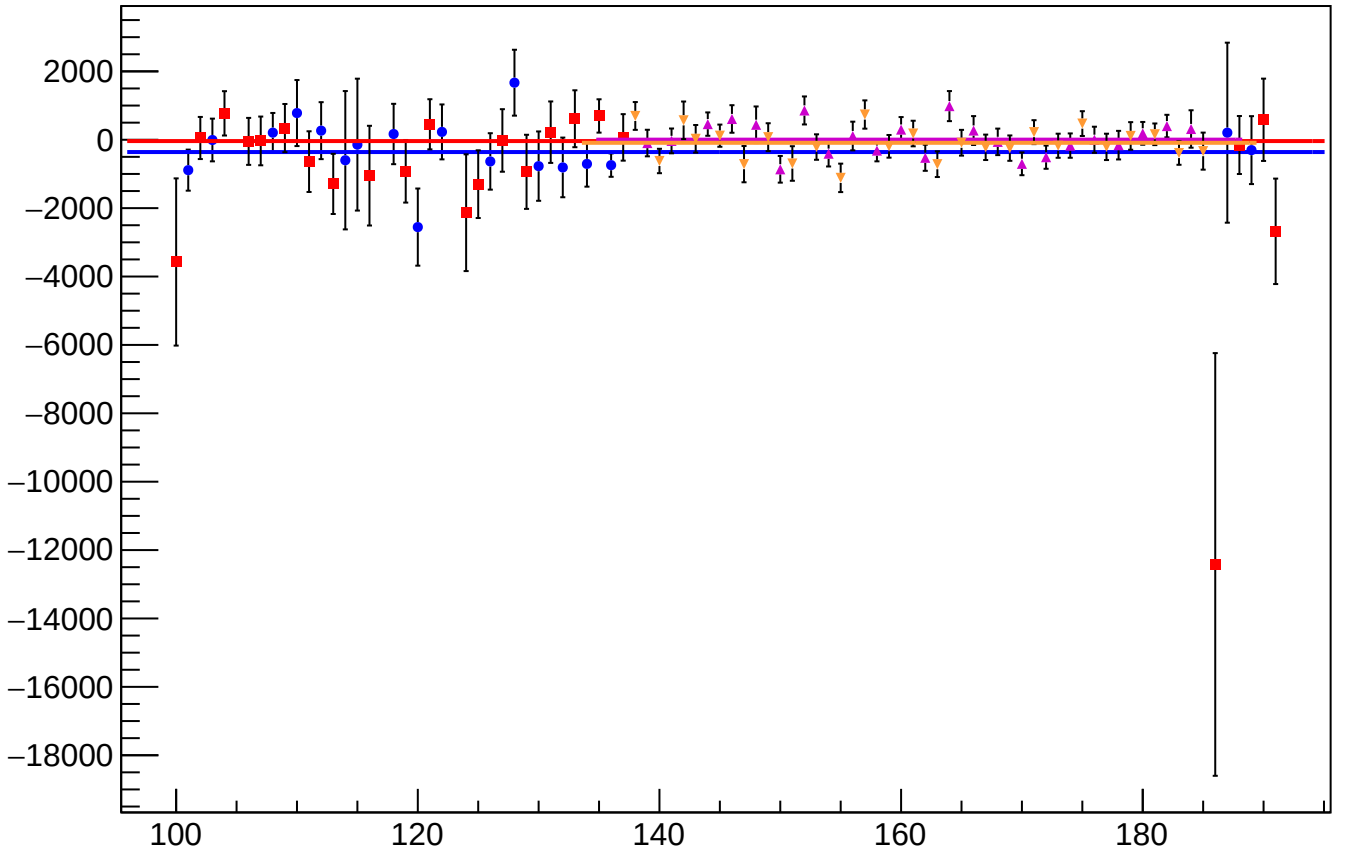
Right Out: 61.990+/-0.015 χ^2/NDF: 810969.6/22

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 58.001+/-0.008 χ^2/NDF: 653122.0/42

All: 58.565+/-0.006 χ^2/NDF: 1663862.4/88

- sign 59.147+/-0.008 χ^2/NDF: 1000400.3/45



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: -38.492+/-175.790 χ^2/NDF: 22.4/22

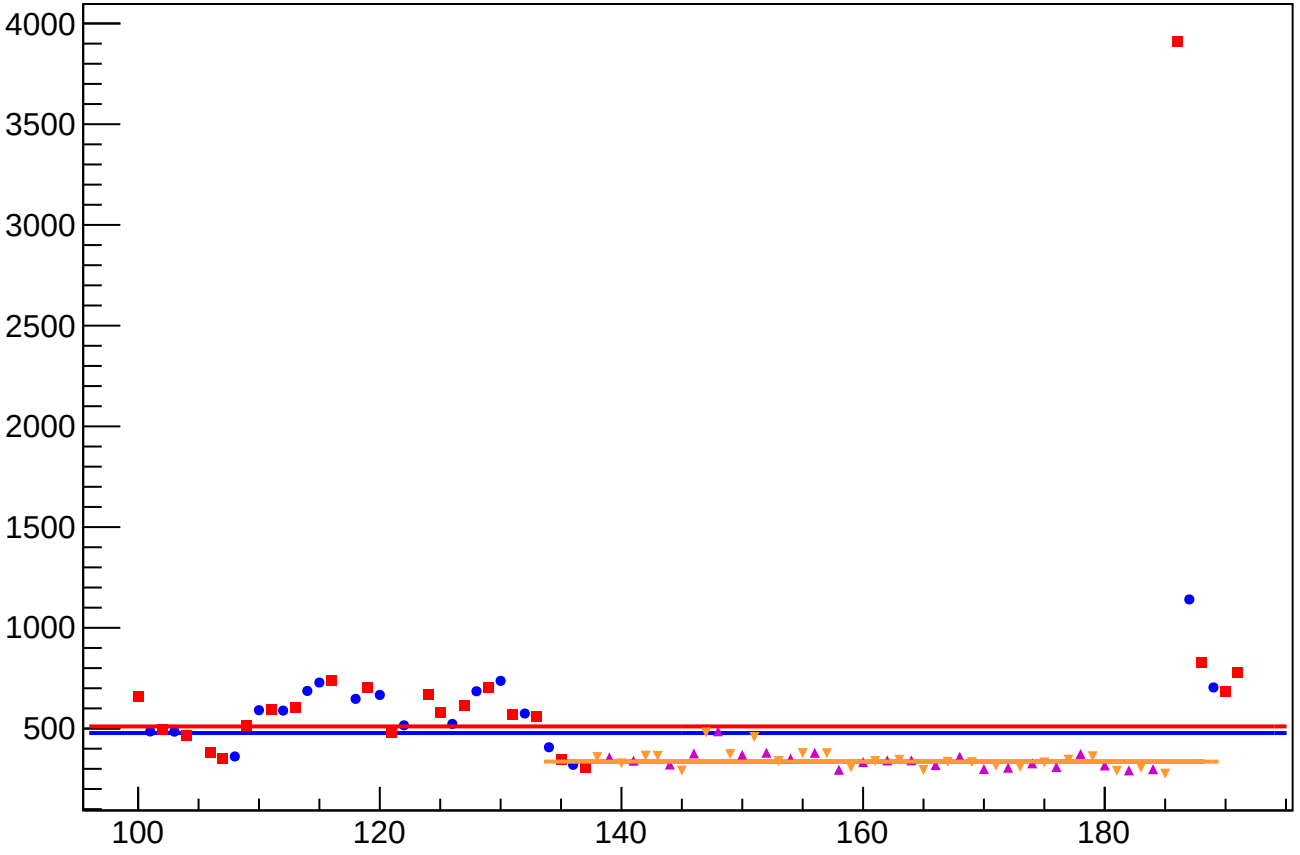
Left In: 3.046+/-79.193 χ^2/NDF:33.6/22

+ sign -131.997+/-70.635 χ^2/NDF: 47.1/42

All: -69.387+/-50.492 χ^2/NDF: 104.7/88

- sign -3.962+/-72.204 χ^2/NDF: 56.0/45

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: 510.624+/-0.124 χ^2/NDF: 1902594.4/22

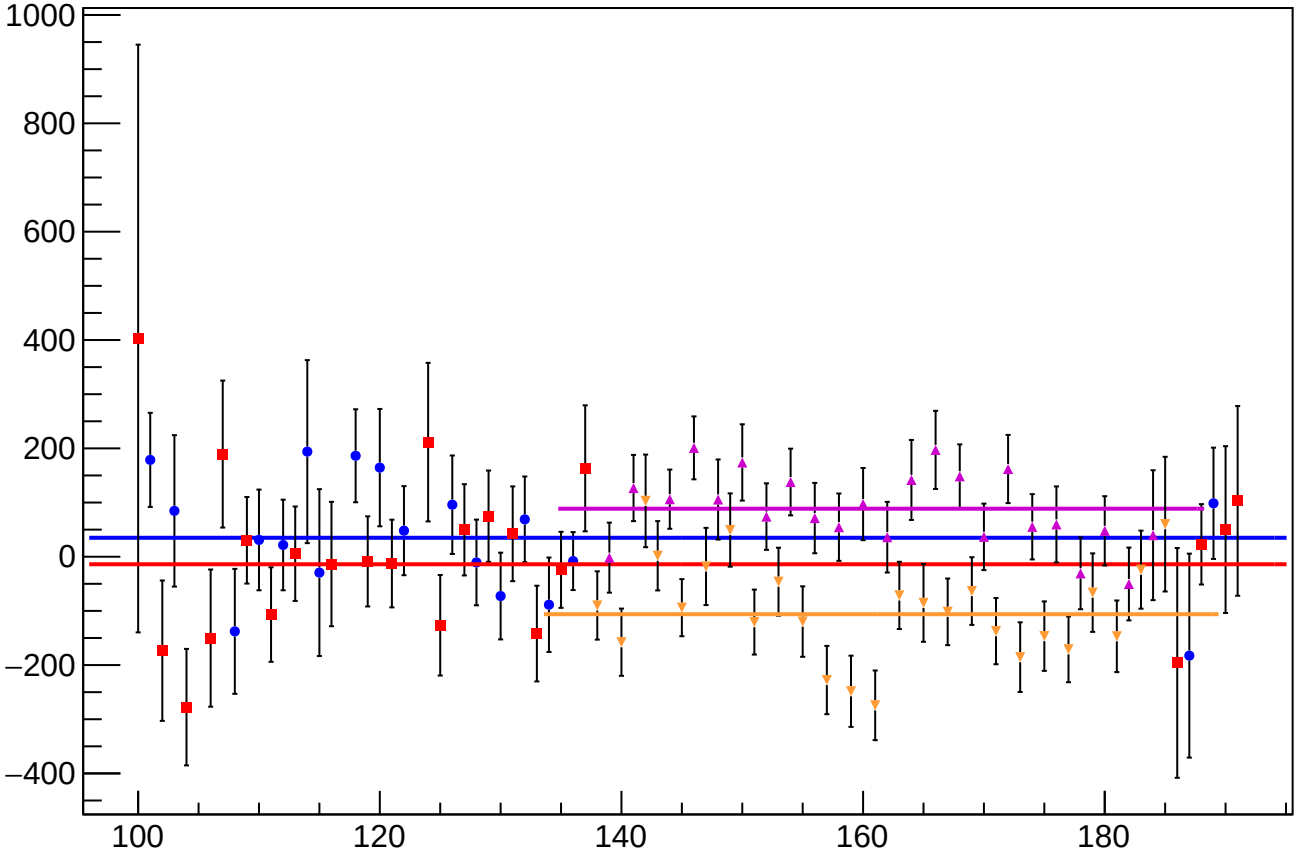
Left In: 336.343+/-0.056 χ^2/NDF:414202.1/22

+ sign 358.400+/-0.050 χ^2/NDF: 2877788.7/42

All: 361.993+/-0.036 χ^2/NDF: 6839332.9/88

- sign 365.746+/-0.051 χ^2/NDF: 3950966.8/45

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: -13.926+/-20.767 χ^2/NDF: 25.0/22

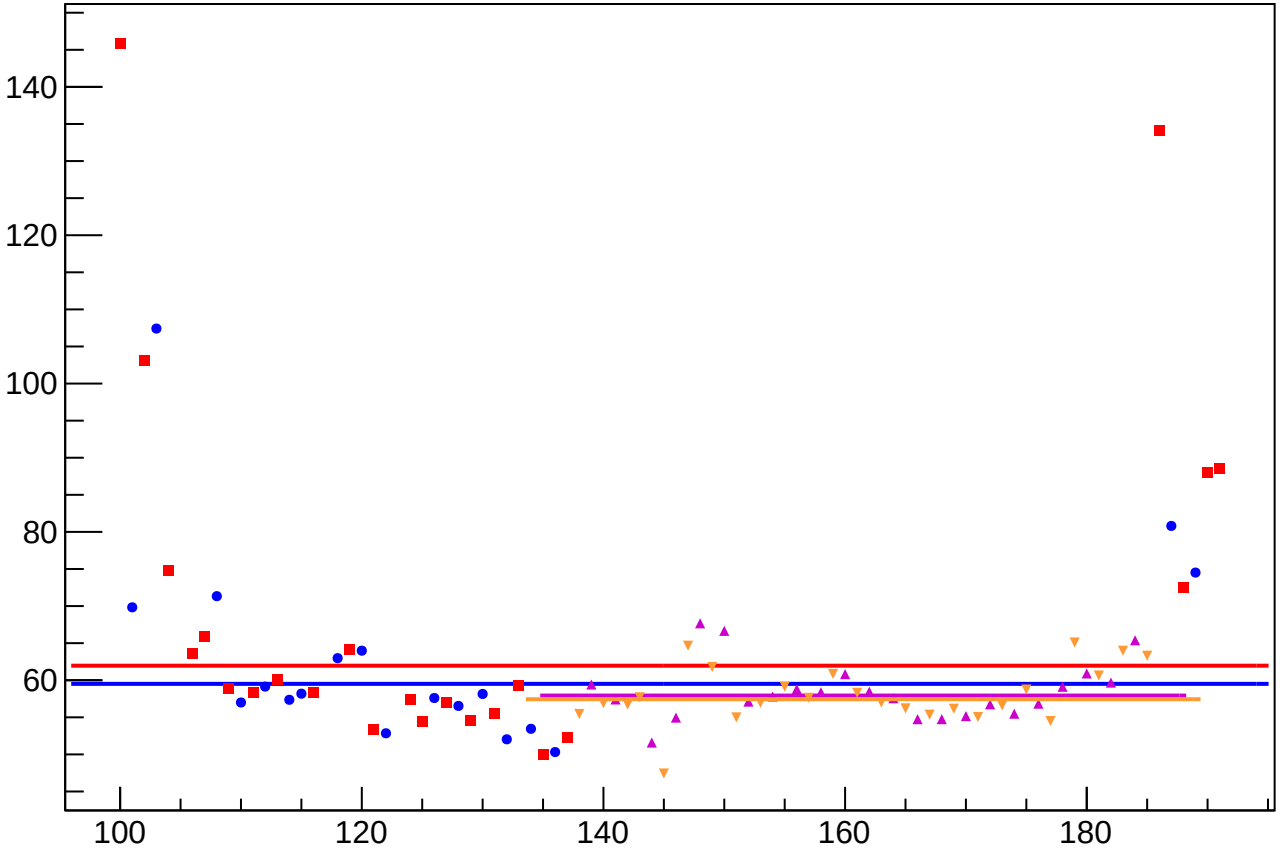
Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

+ sign -67.945+/-11.180 χ^2/NDF: 90.0/42

All: -5.991+/-7.967 χ^2/NDF: 218.4/88

- sign 57.949+/-11.357 χ^2/NDF: 66.0/45

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

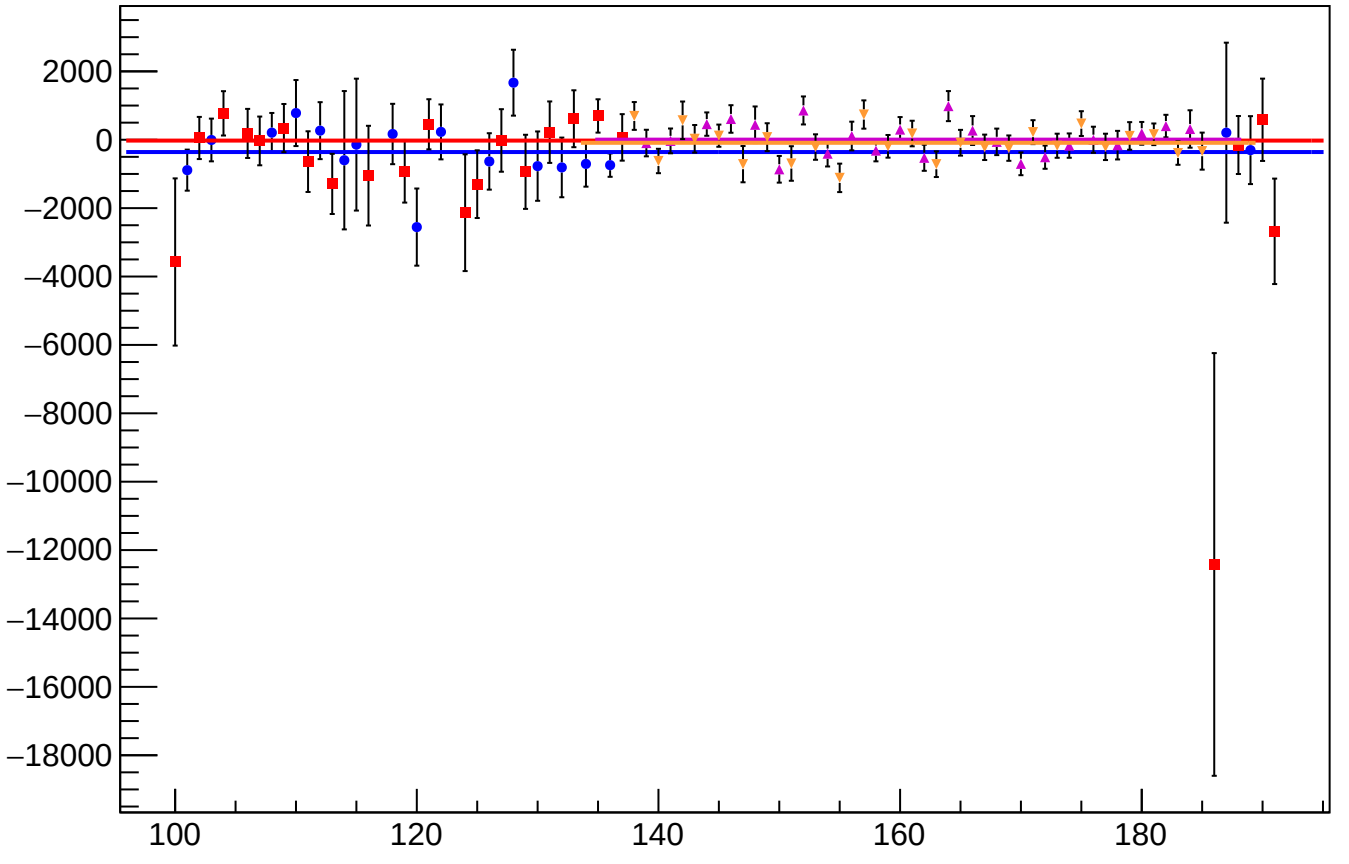
Right Out: 61.963+/-0.015 χ^2/NDF: 810663.1/22

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 58.001+/-0.008 χ^2/NDF: 653124.1/42

All: 58.561+/-0.006 χ^2/NDF: 1662680.9/88

- sign 59.138+/-0.008 χ^2/NDF: 999368.1/45



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: -24.417+/-176.290 χ^2/NDF: 22.4/22

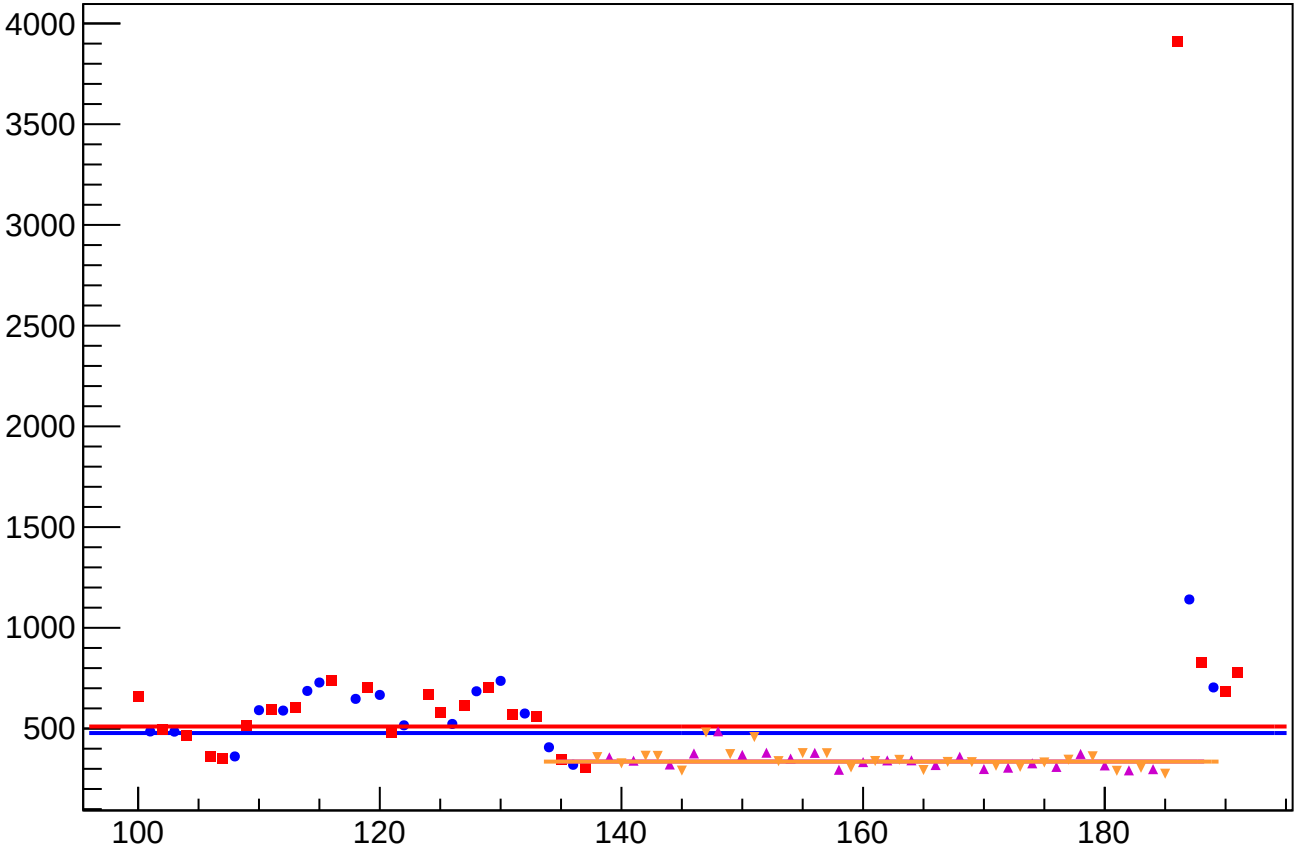
Left In: 3.047+/-79.193 χ^2/NDF:33.6/22

+ sign -131.993+/-70.635 χ^2/NDF: 47.1/42

All: -68.243+/-50.504 χ^2/NDF: 104.9/88

- sign -1.564+/-72.239 χ^2/NDF: 56.0/45

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: 510.118+/-0.125 χ^2/NDF: 1919213.8/22

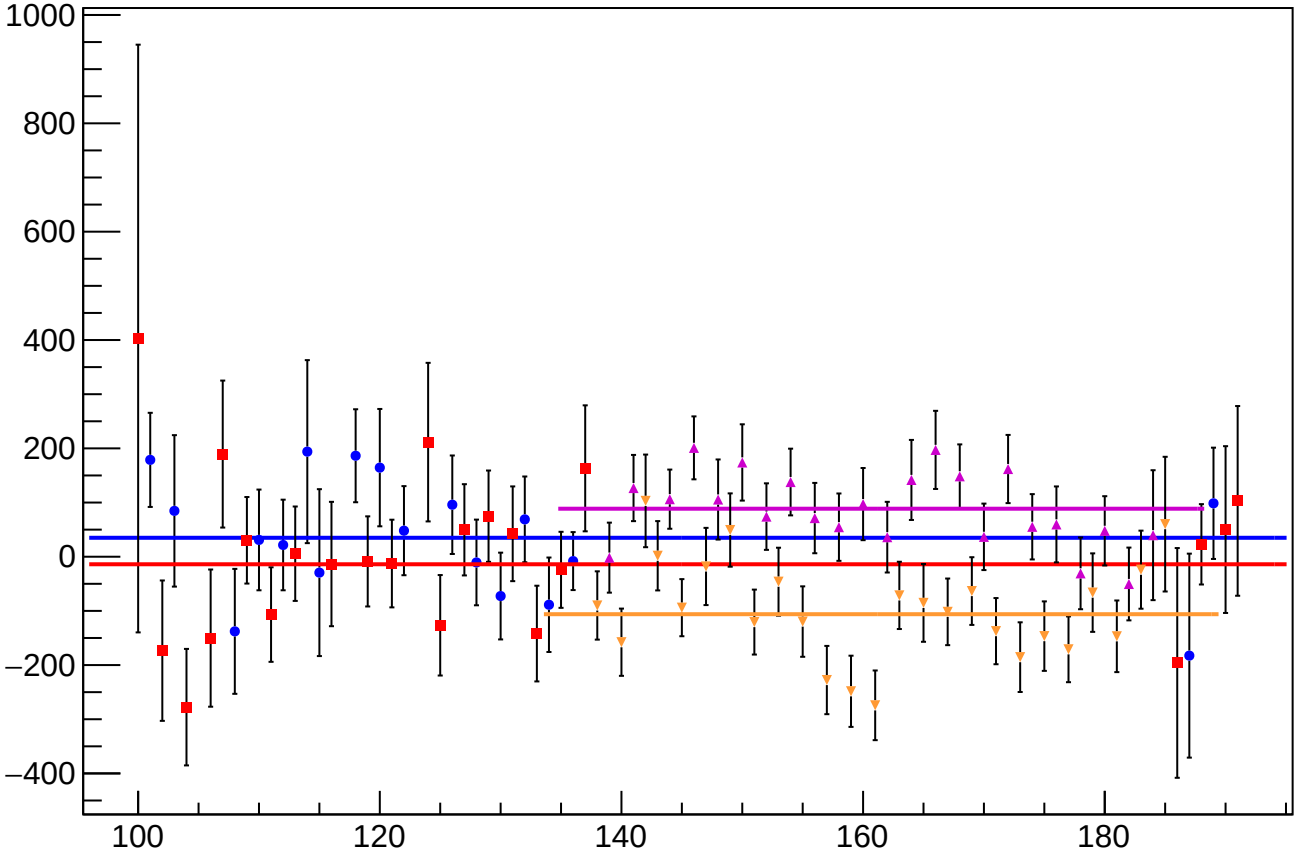
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 358.401+/-0.050 χ^2/NDF: 2877818.0/42

All: 361.882+/-0.036 χ^2/NDF: 6838207.5/88

- sign 365.522+/-0.051 χ^2/NDF: 3950451.9/45

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: -13.926+/-20.767 χ^2/NDF: 25.0/22

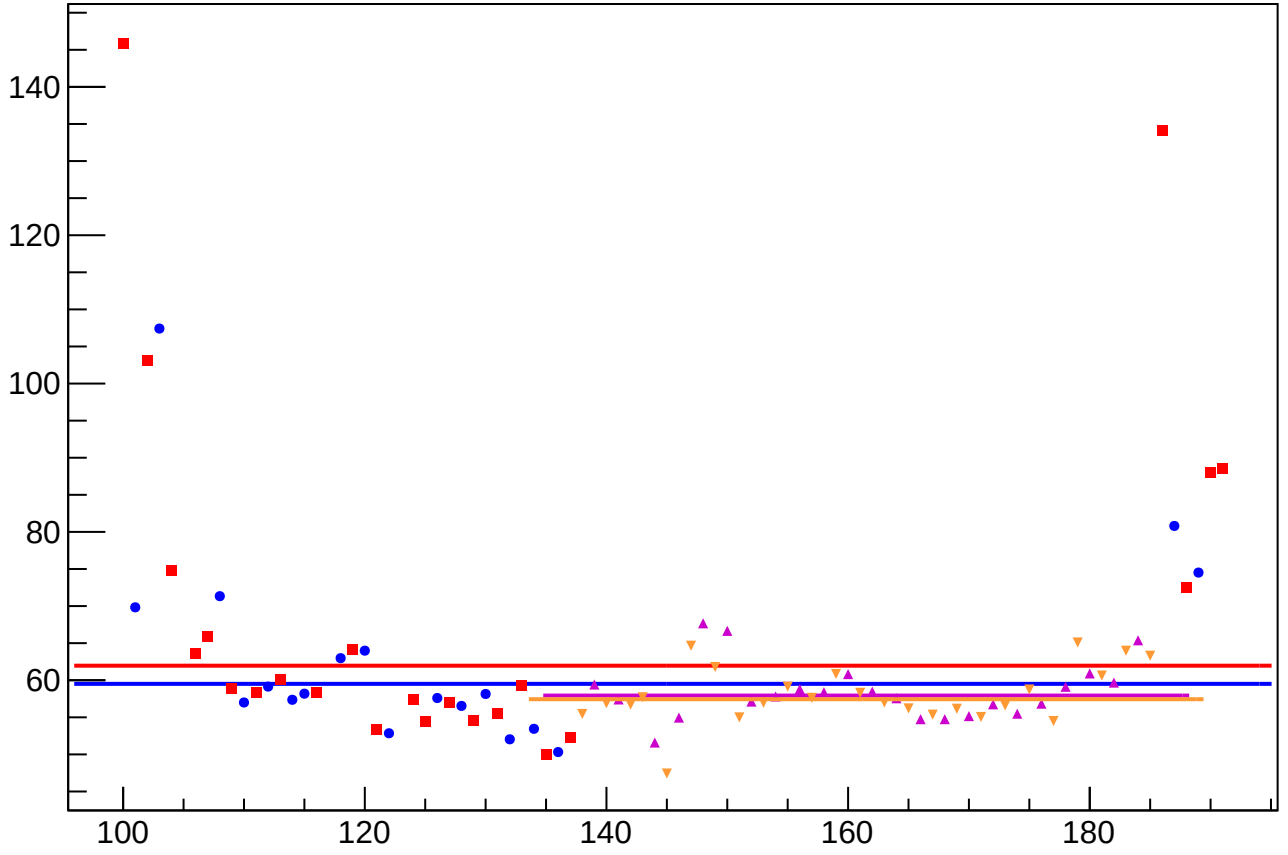
Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

+ sign -67.945+/-11.180 χ^2/NDF: 90.0/42

All: -5.991+/-7.967 χ^2/NDF: 218.4/88

- sign 57.949+/-11.357 χ^2/NDF: 66.0/45

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

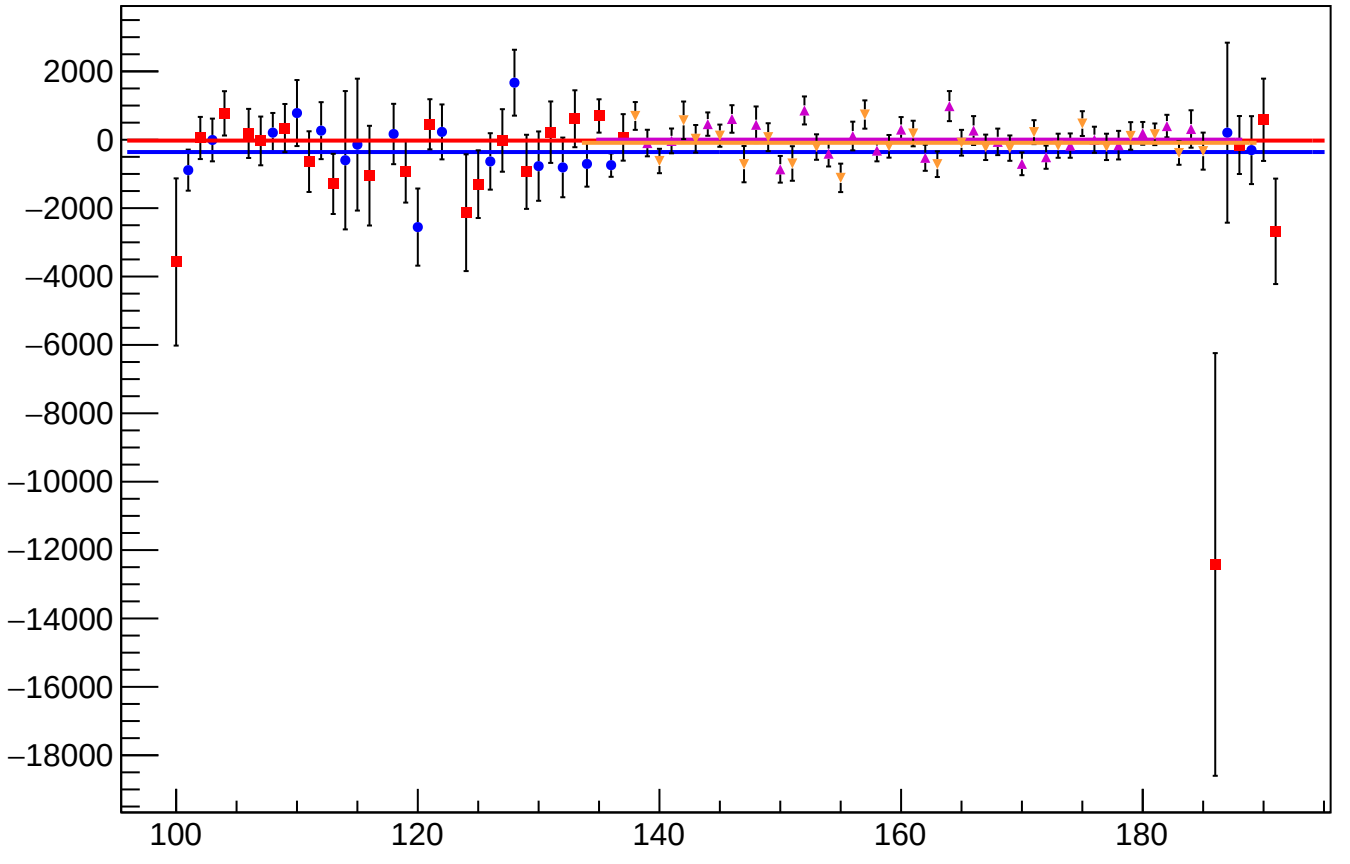
Right Out: 61.963+/-0.015 χ^2/NDF: 810663.1/22

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 58.001+/-0.008 χ^2/NDF: 653124.1/42

All: 58.561+/-0.006 χ^2/NDF: 1662680.9/88

- sign 59.138+/-0.008 χ^2/NDF: 999368.1/45



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: -24.417+/-176.290 χ^2/NDF: 22.4/22

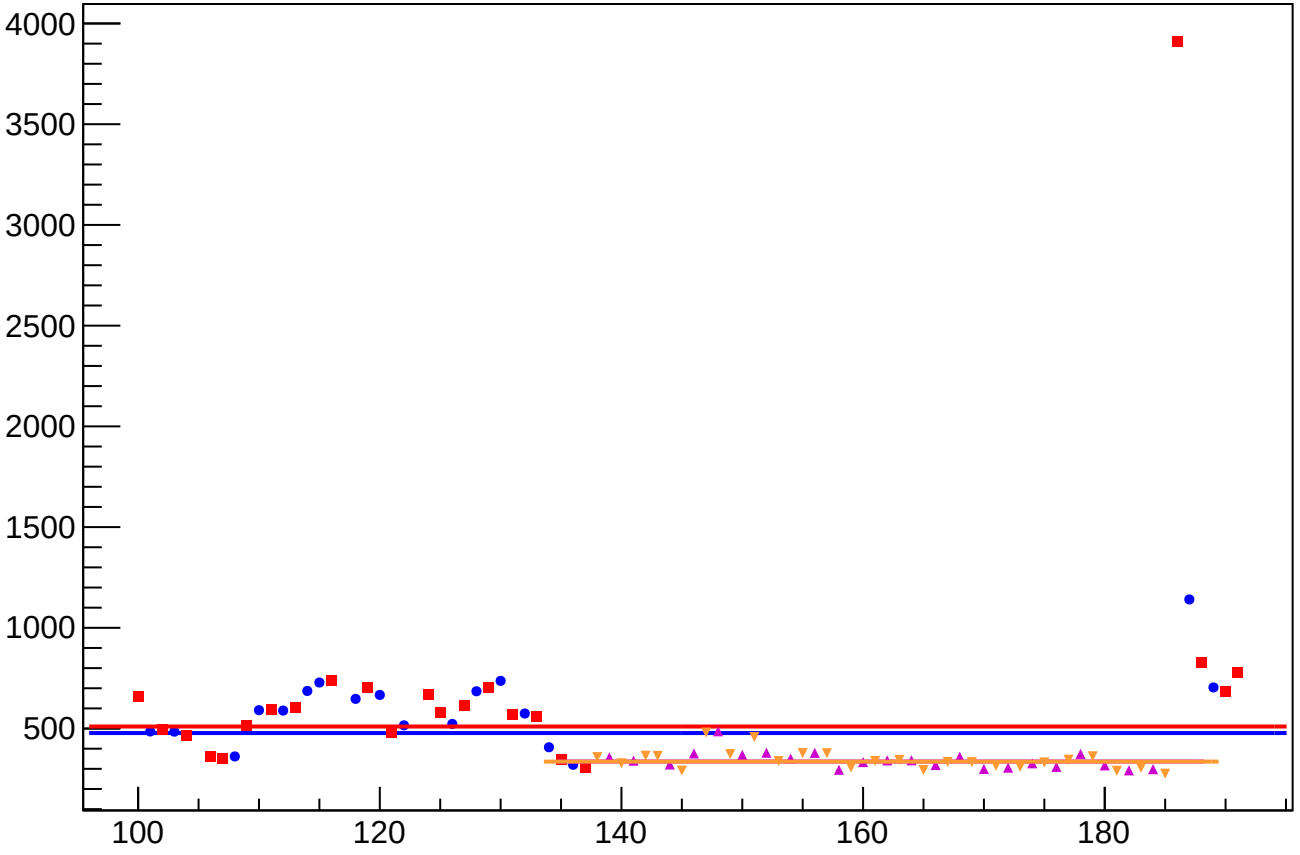
Left In: 3.047+/-79.193 χ^2/NDF:33.6/22

+ sign -131.993+/-70.635 χ^2/NDF: 47.1/42

All: -68.243+/-50.504 χ^2/NDF: 104.9/88

- sign -1.564+/-72.239 χ^2/NDF: 56.0/45

asym_sam_13_57_dd_eigen_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: 510.118+/-0.125 χ^2/NDF: 1919213.8/22

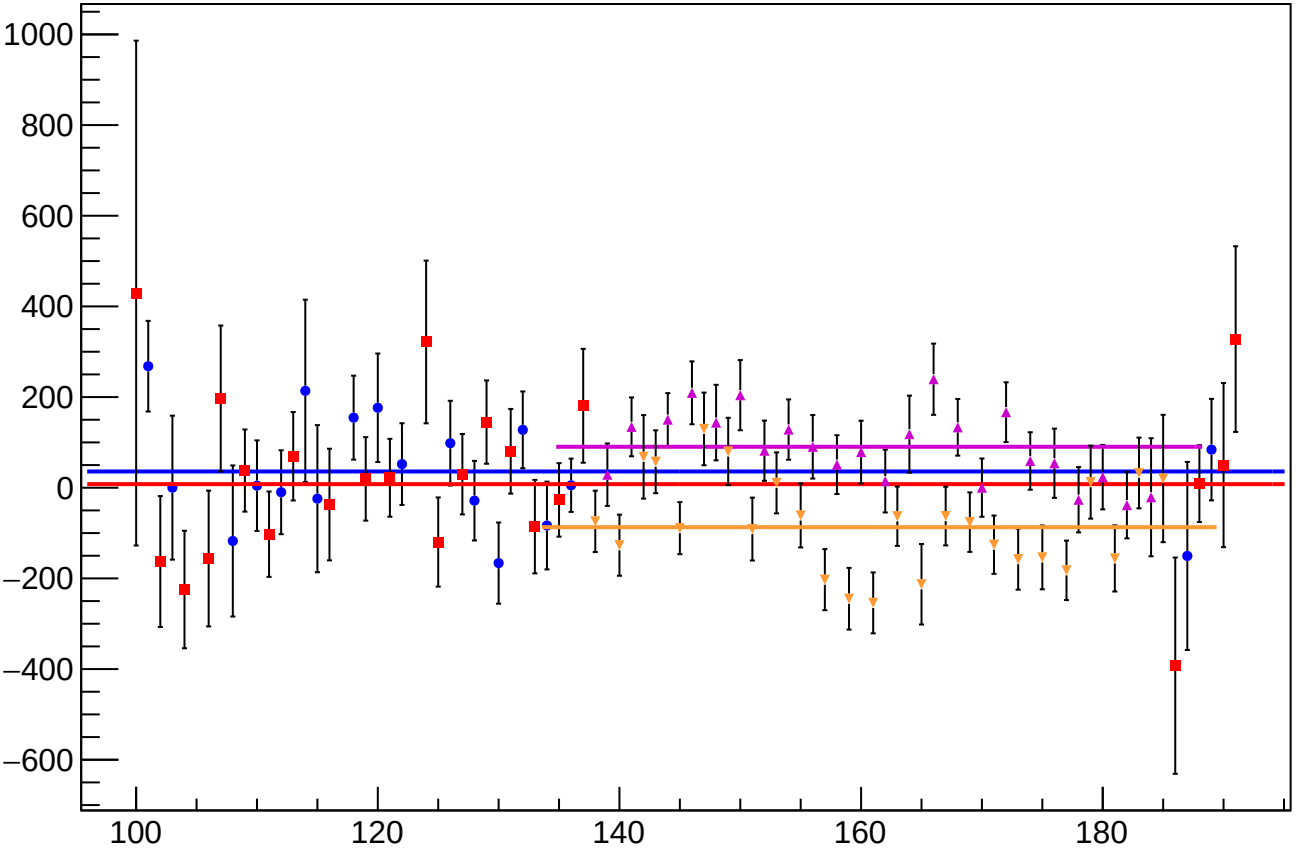
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 358.401+/-0.050 χ^2/NDF: 2877818.0/42

All: 361.882+/-0.036 χ^2/NDF: 6838207.5/88

- sign 365.522+/-0.051 χ^2/NDF: 3950451.9/45

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: 7.958+/-23.136 χ^2/NDF: 25.7/22

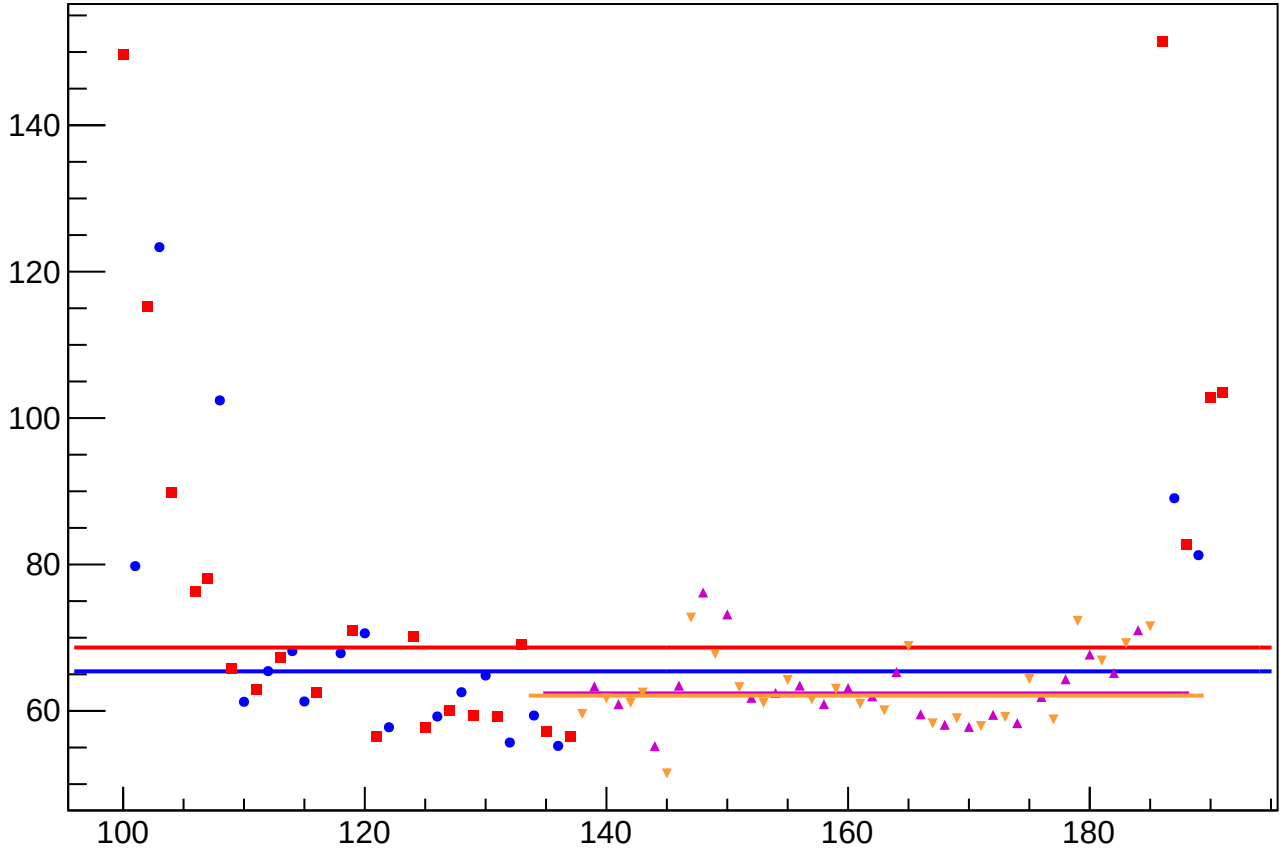
Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

+ sign -54.697+/-12.172 χ^2/NDF: 89.2/42

All: 4.997+/-8.680 χ^2/NDF: 197.9/88

- sign 66.764+/-12.381 χ^2/NDF: 59.8/45

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: 68.659+/-0.016 χ^2/NDF: 941311.1/22

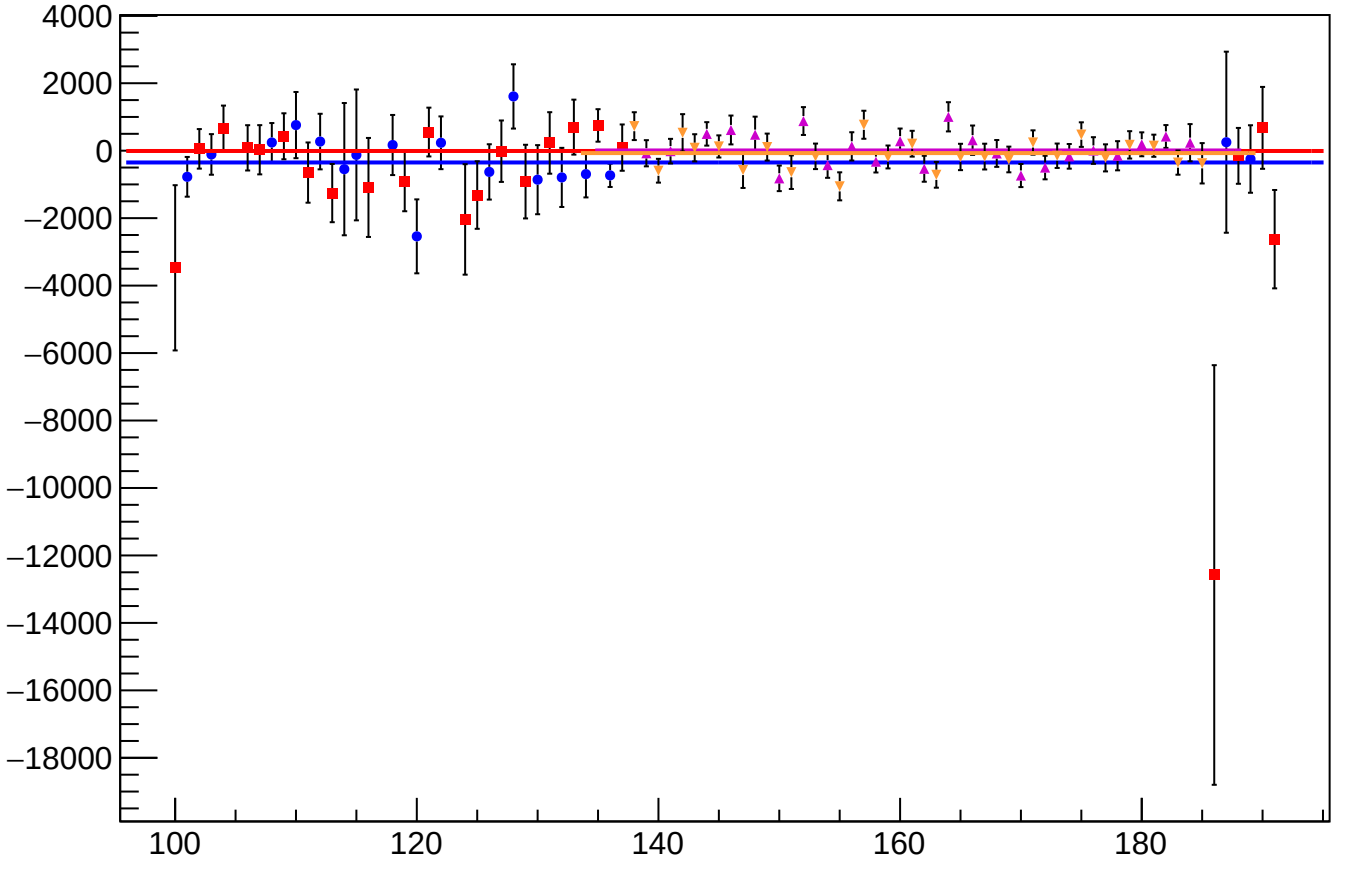
Left In: 62.395+/-0.010 χ^2/NDF:188814.3/22

+ sign 62.963+/-0.009 χ^2/NDF: 864202.6/42

All: 63.565+/-0.006 χ^2/NDF: 2108938.2/88

- sign 64.189+/-0.009 χ^2/NDF: 1234756.3/45

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: -9.062+/-174.161 χ^2/NDF: 23.1/22

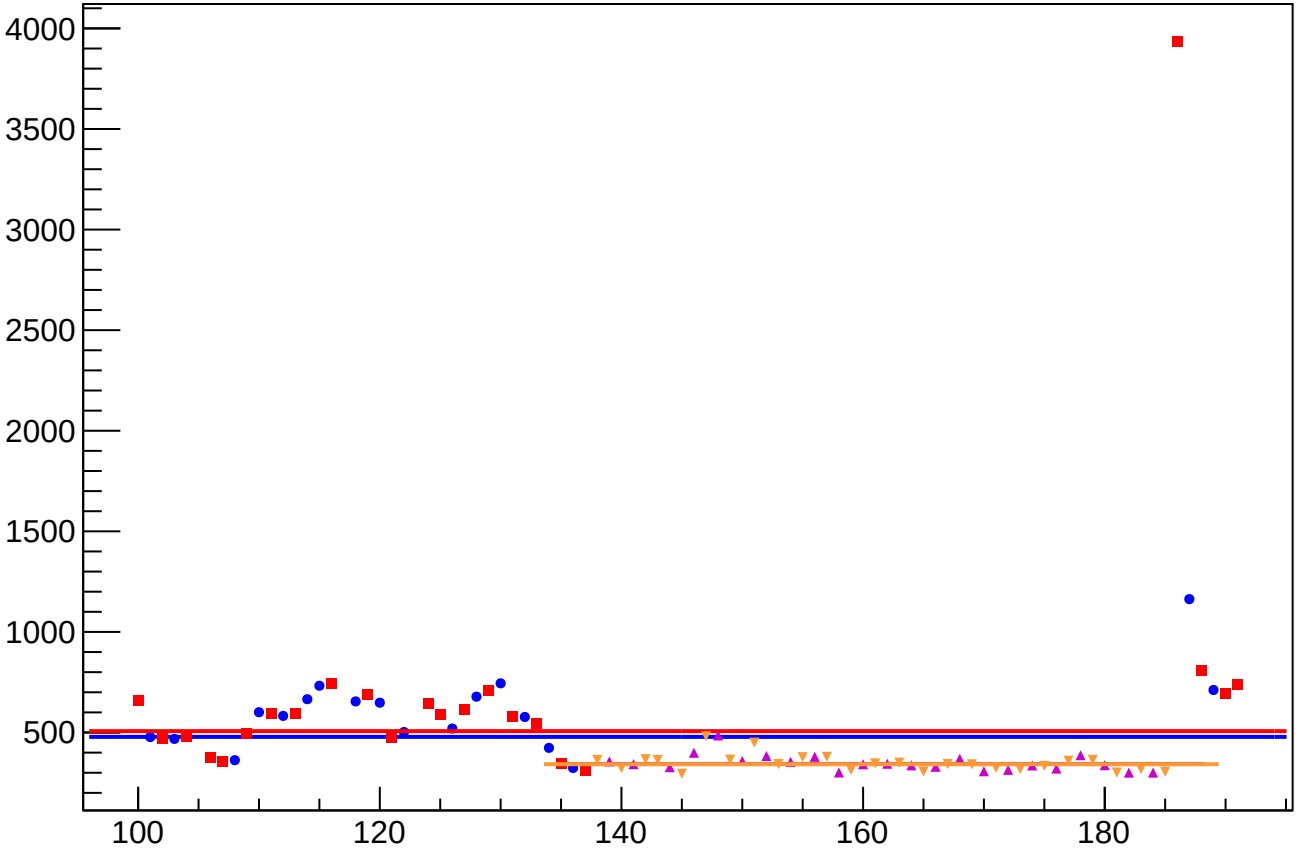
Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -116.908+/-71.688 χ^2/NDF: 45.5/42

All: -58.041+/-51.240 χ^2/NDF: 104.0/88

- sign 3.445+/-73.266 χ^2/NDF: 57.1/45

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: 506.820+/-0.123 χ^2/NDF: 1864018.2/22

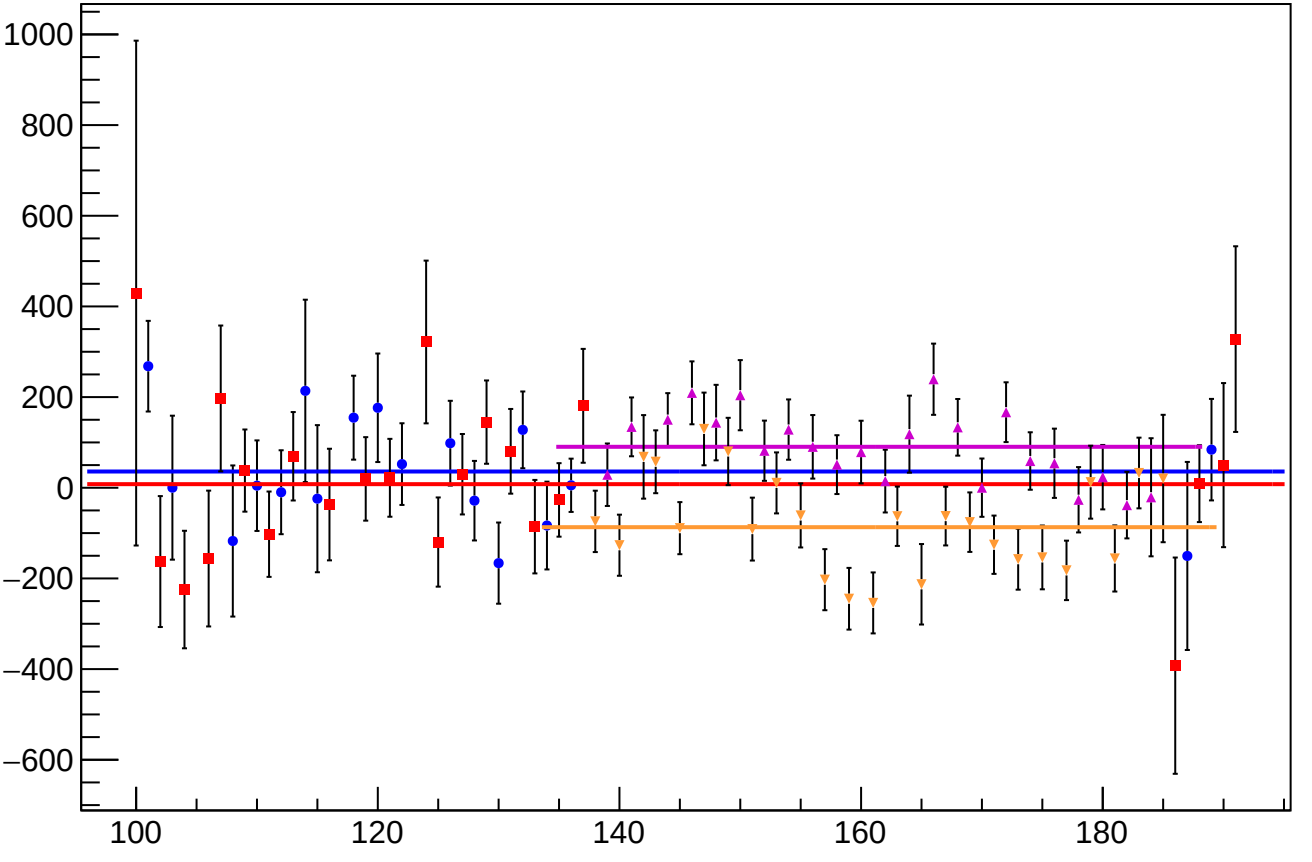
Left In: 343.245+/-0.057 χ^2/NDF:372991.6/22

+ sign 364.762+/-0.051 χ^2/NDF: 2649619.6/42

All: 368.397+/-0.036 χ^2/NDF: 6349179.0/88

- sign 372.193+/-0.052 χ^2/NDF: 3689047.7/45

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: 7.959+/-23.136 χ^2/NDF: 25.7/22

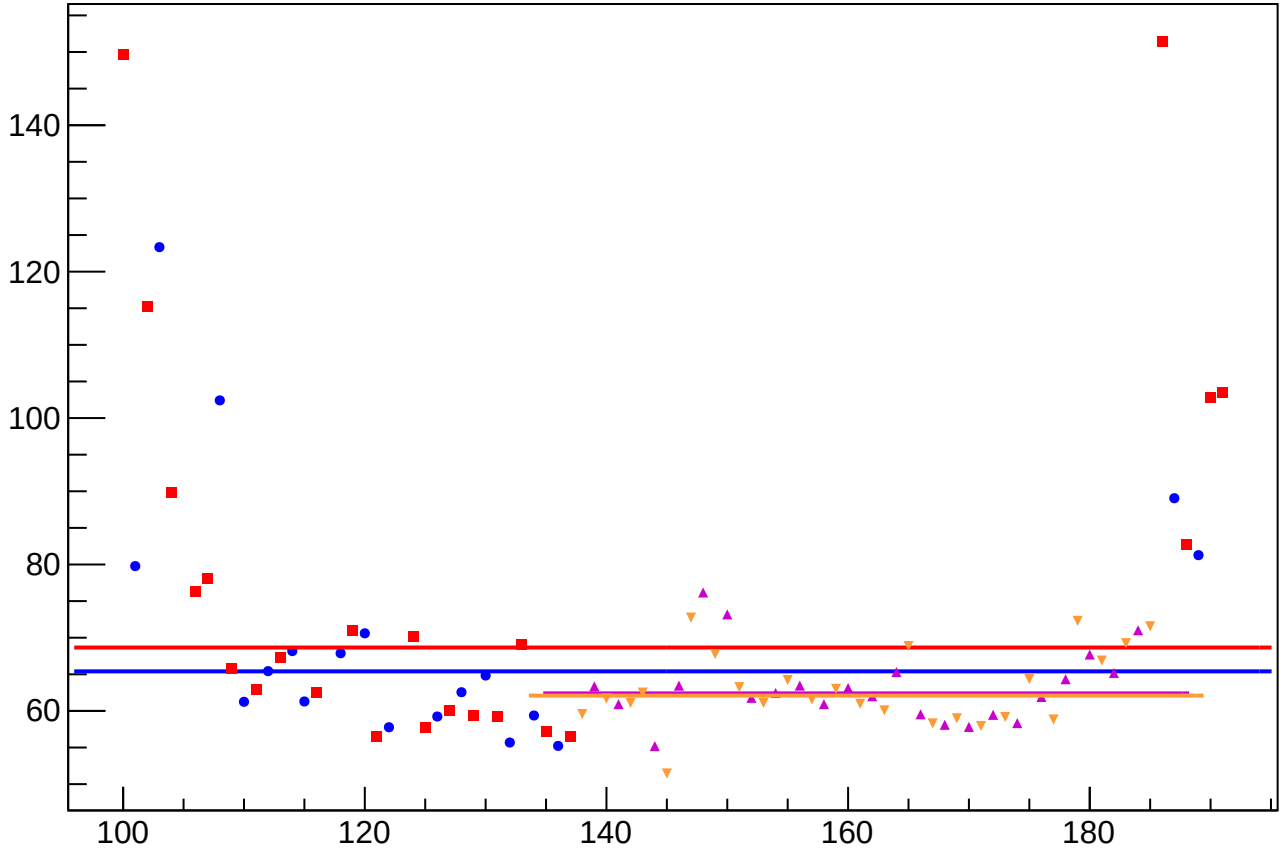
Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

+ sign -54.697+/-12.172 χ^2/NDF: 89.2/42

All: 4.997+/-8.680 χ^2/NDF: 197.9/88

- sign 66.763+/-12.381 χ^2/NDF: 59.8/45

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

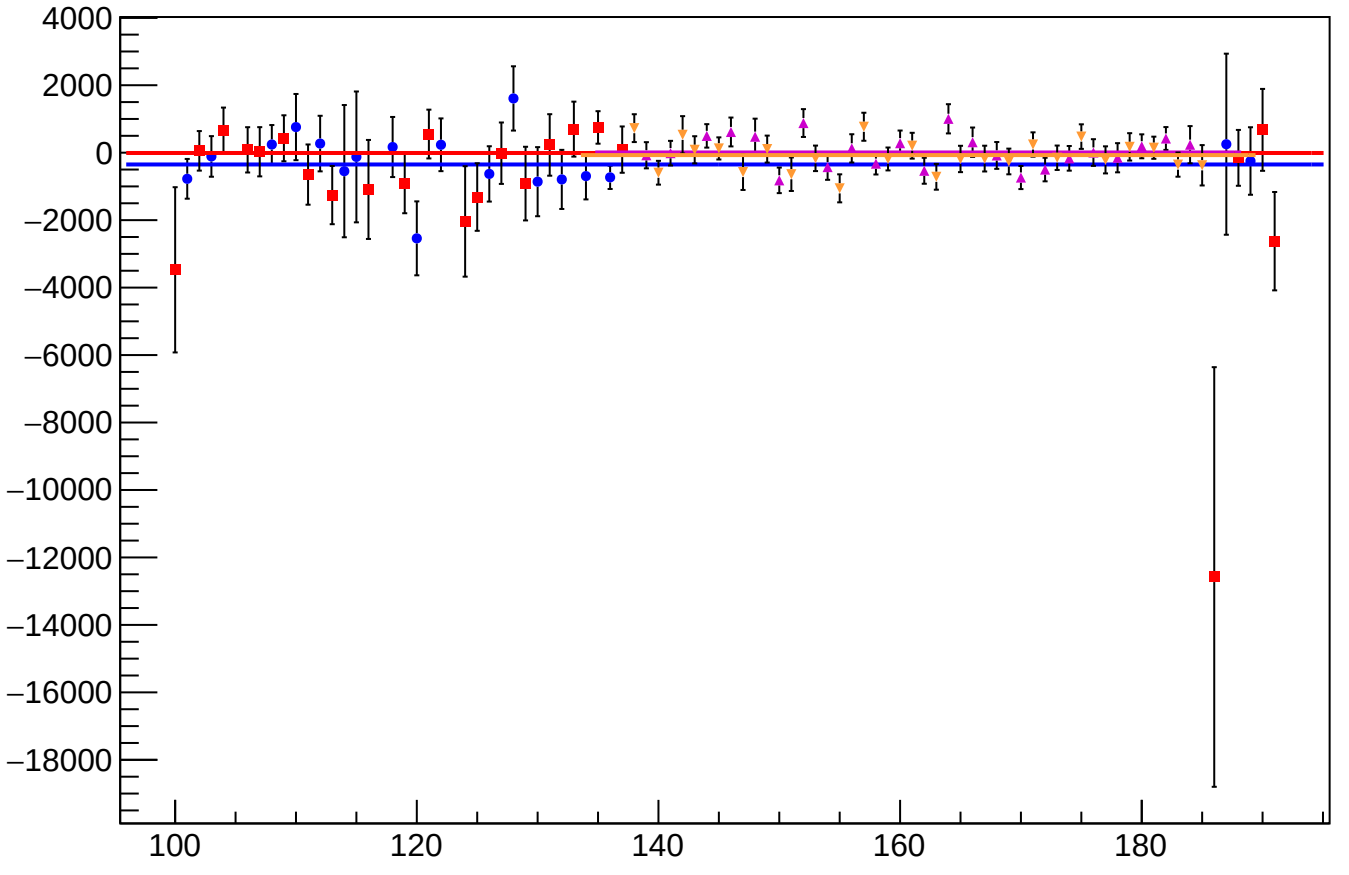
Right Out: 68.659+/-0.016 χ^2/NDF: 941312.2/22

Left In: 62.395+/-0.010 χ^2/NDF:188817.4/22

+ sign 62.963+/-0.009 χ^2/NDF: 864215.8/42

All: 63.565+/-0.006 χ^2/NDF: 2108952.8/88

- sign 64.189+/-0.009 χ^2/NDF: 1234757.4/45



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: -9.062+/-174.160 χ^2/NDF: 23.1/22

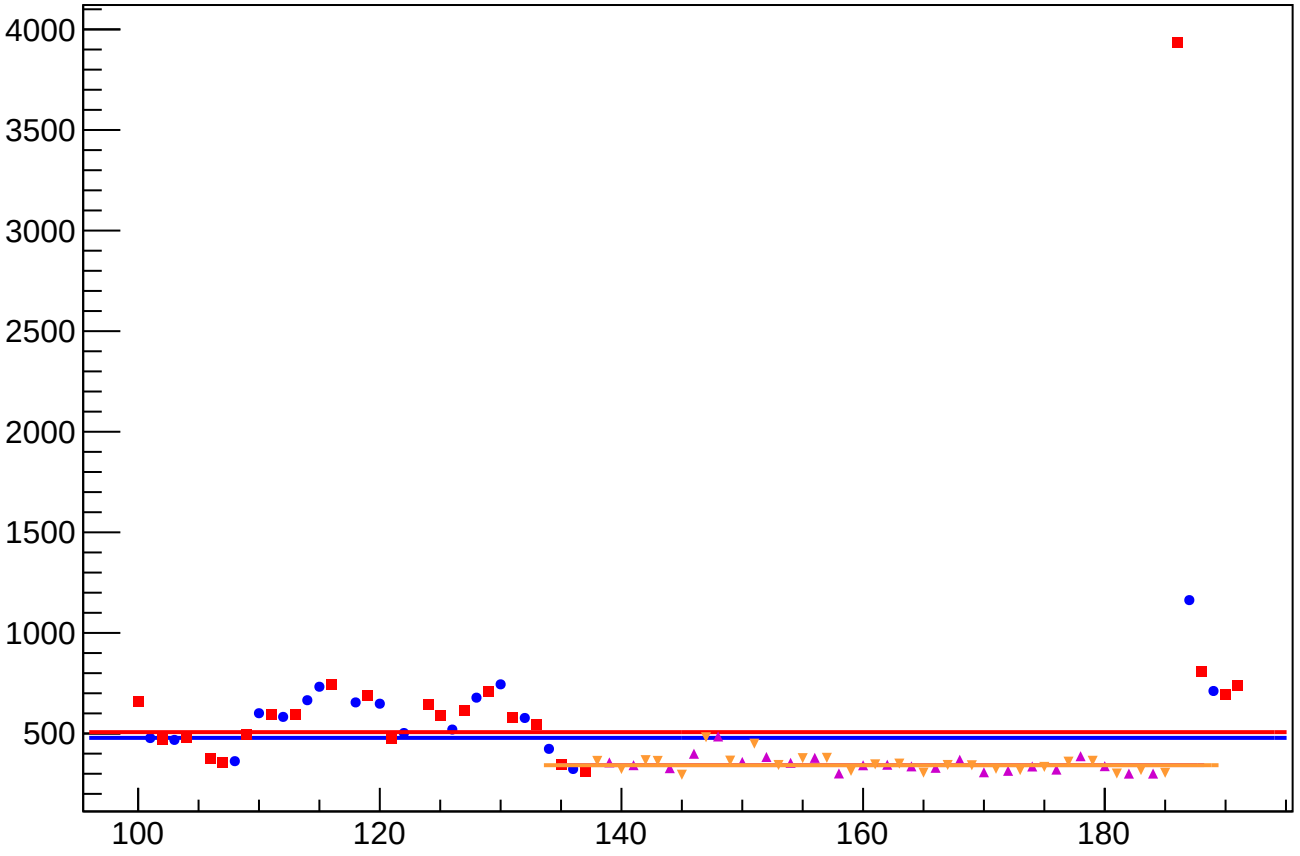
Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -116.908+/-71.688 χ^2/NDF: 45.5/42

All: -58.041+/-51.240 χ^2/NDF: 104.0/88

- sign 3.445+/-73.266 χ^2/NDF: 57.1/45

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug



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: 506.819+/-0.123 χ^2/NDF: 1864018.8/22

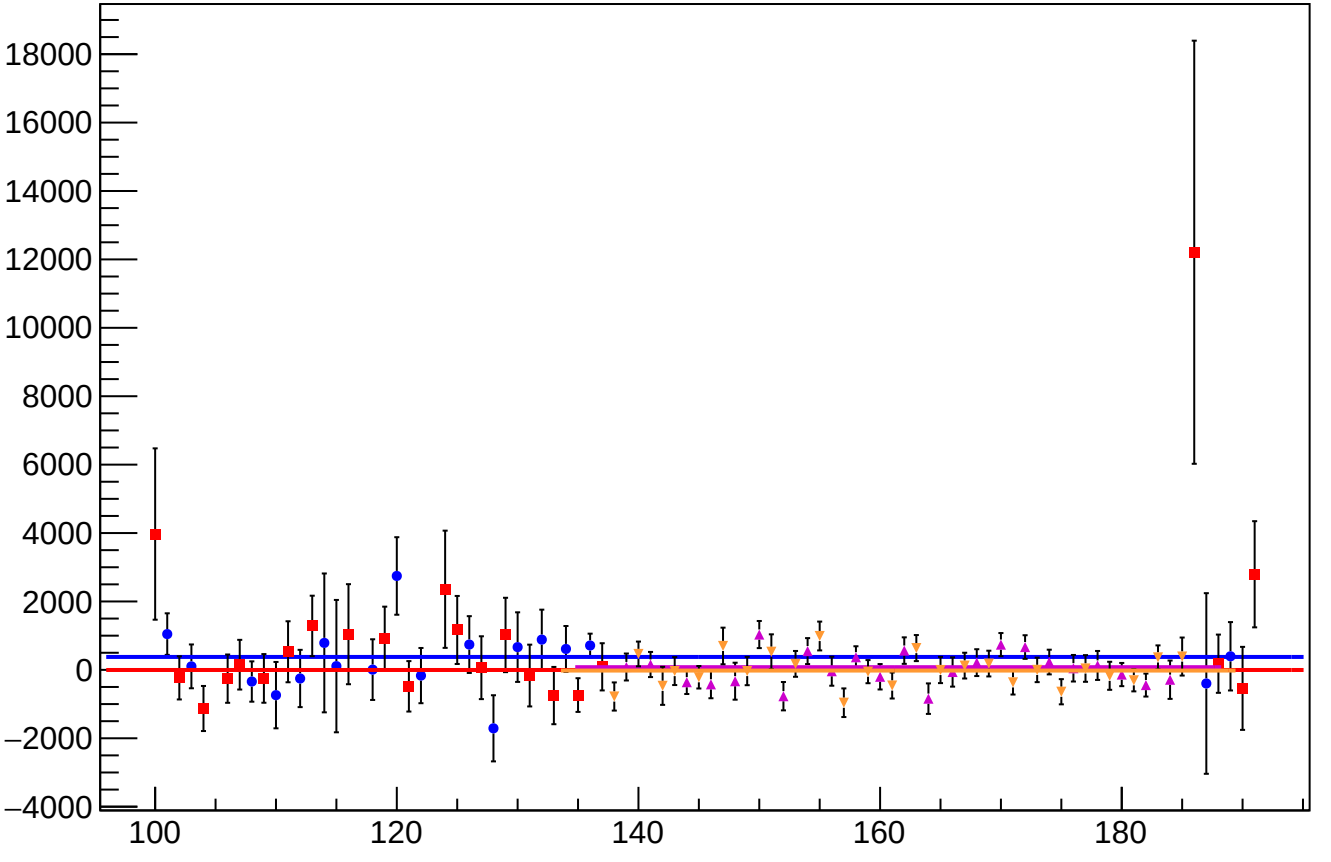
Left In: 343.245+/-0.057 χ^2/NDF:372993.5/22

+ sign 364.762+/-0.051 χ^2/NDF: 2649618.1/42

All: 368.397+/-0.036 χ^2/NDF: 6349167.5/88

- sign 372.193+/-0.052 χ^2/NDF: 3689037.3/45

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: -3.399+/-177.792 χ^2/NDF: 24.9/22

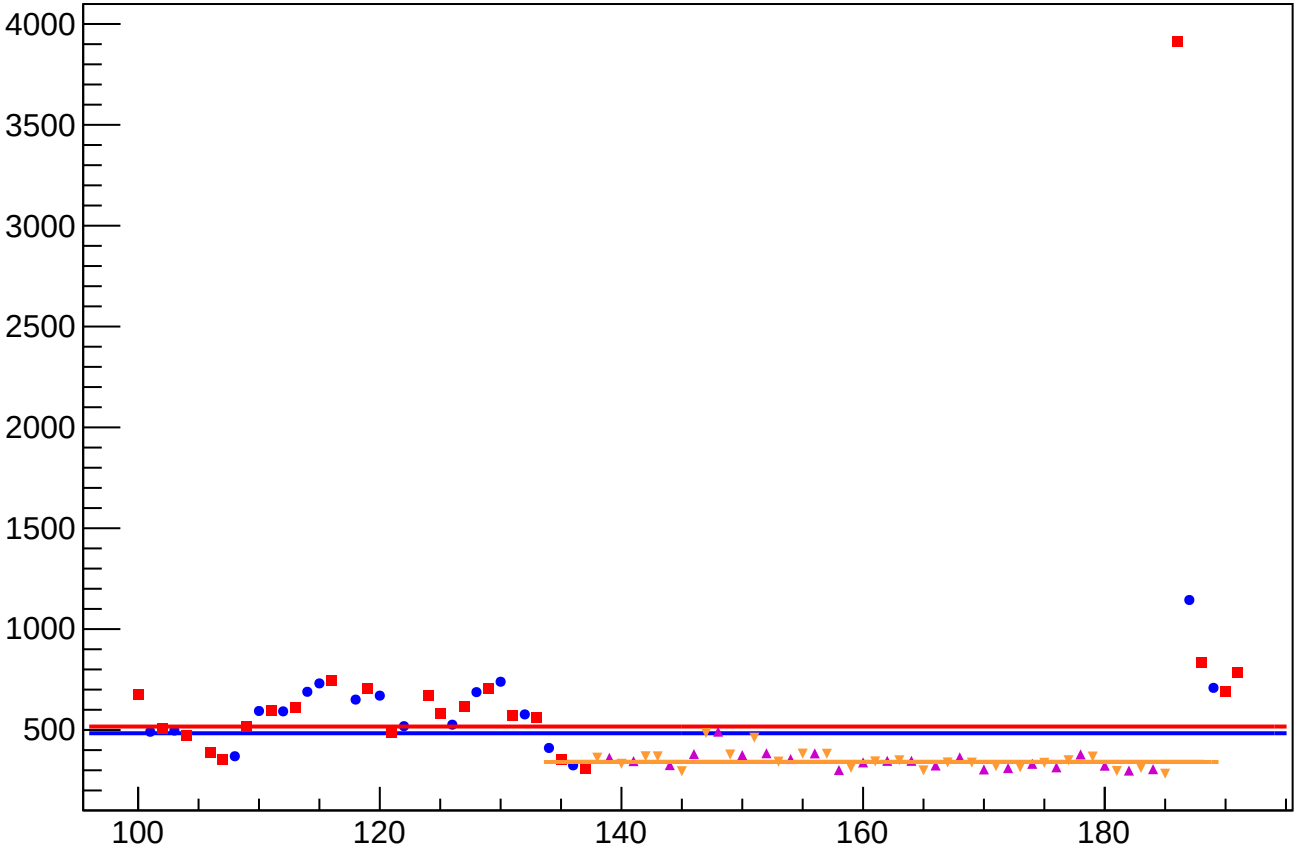
Left In: 78.719+/-80.410 χ^2/NDF:32.9/22

+ sign 43.397+/-71.674 χ^2/NDF: 51.8/42

All: 53.851+/-51.235 χ^2/NDF: 109.9/88

- sign 64.774+/-73.265 χ^2/NDF: 58.0/45

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

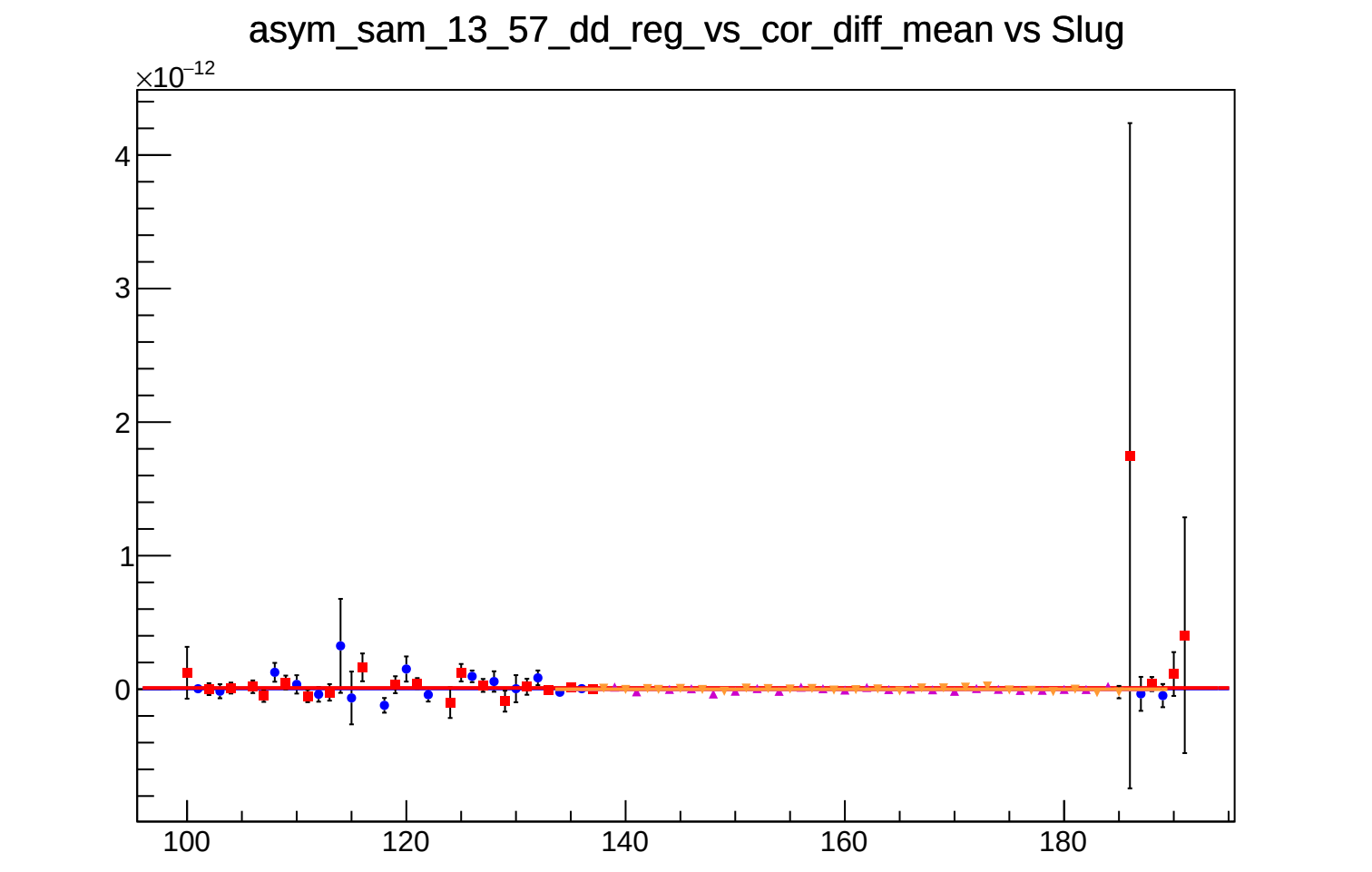
Right Out: 516.906+/-0.126 χ^2/NDF: 1864055.1/22

Left In: 341.622+/-0.057 χ^2/NDF:396885.0/22

+ sign 363.963+/-0.051 χ^2/NDF: 2804942.4/42

All: 367.594+/-0.036 χ^2/NDF: 6690230.6/88

- sign 371.388+/-0.052 χ^2/NDF: 3874793.6/45



Right In: 0.000+/-0.000 χ^2/NDF: 21.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/24

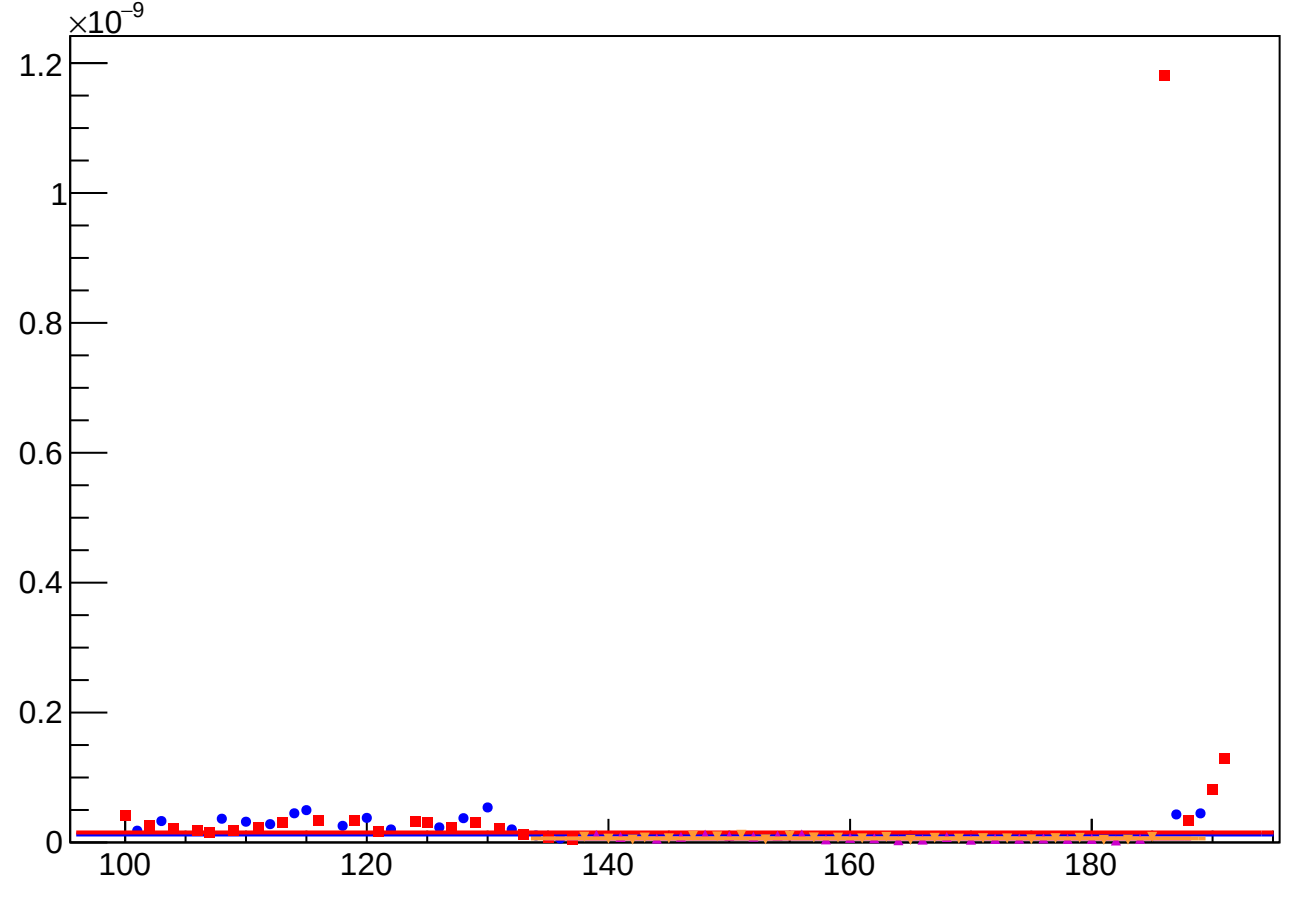
Right Out: 0.000+/-0.000 χ^2/NDF: 15.4/22

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: 72.8/88

- sign -0.000+/-0.000 χ^2/NDF: 31.3/45



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: 2833777.3/22

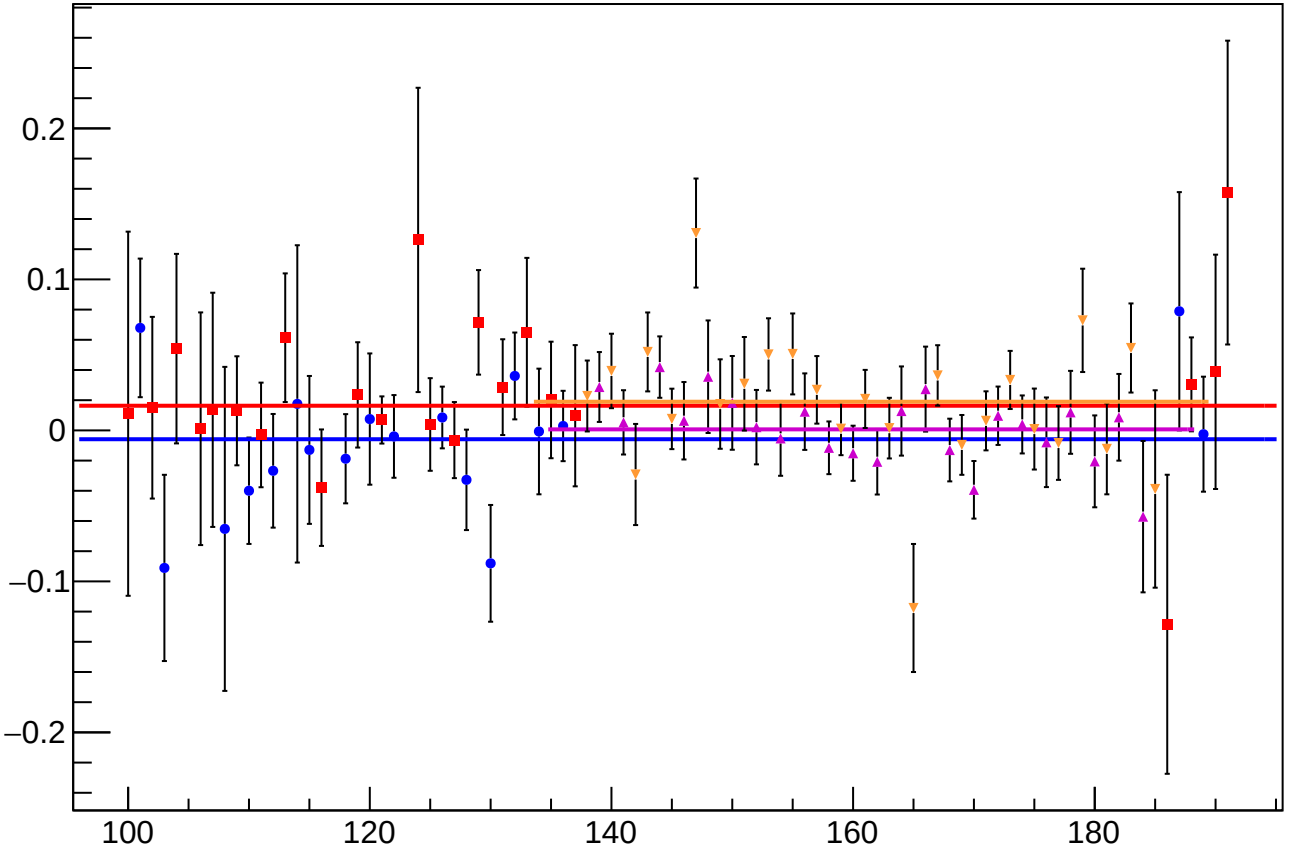
Left In: 0.000+/-0.000 χ^2/NDF:1660677.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 5460192.3/42

All: 0.000+/-0.000 χ^2/NDF: 11898914.5/88

- sign 0.000+/-0.000 χ^2/NDF: 6438702.3/45

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

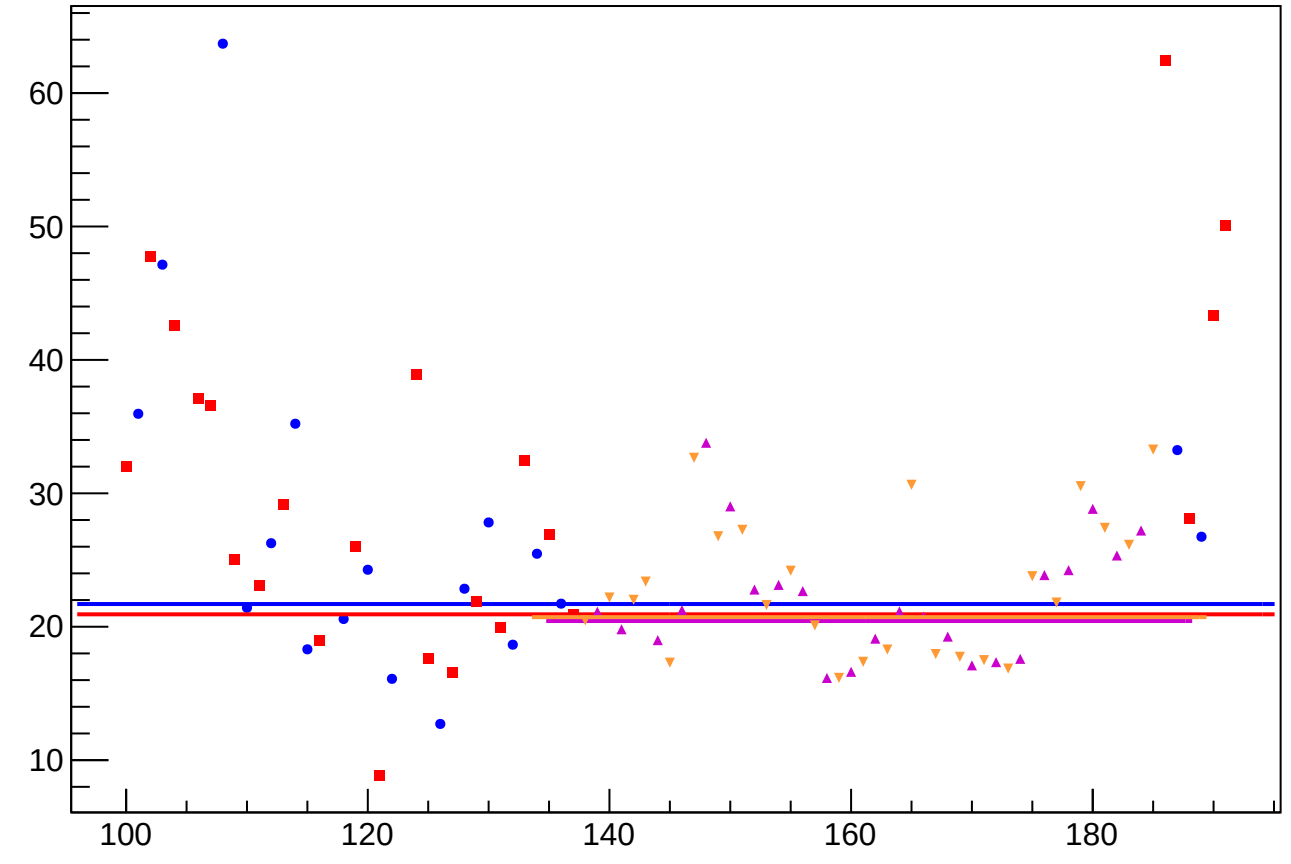
Right Out: 0.016+/-0.008 χ^2/NDF: 14.5/22

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: 99.9/88

- sign 0.005+/-0.004 χ^2/NDF: 35.0/45



Right In: 21.702+/-0.006 χ^2/NDF: 1561481.9/17

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

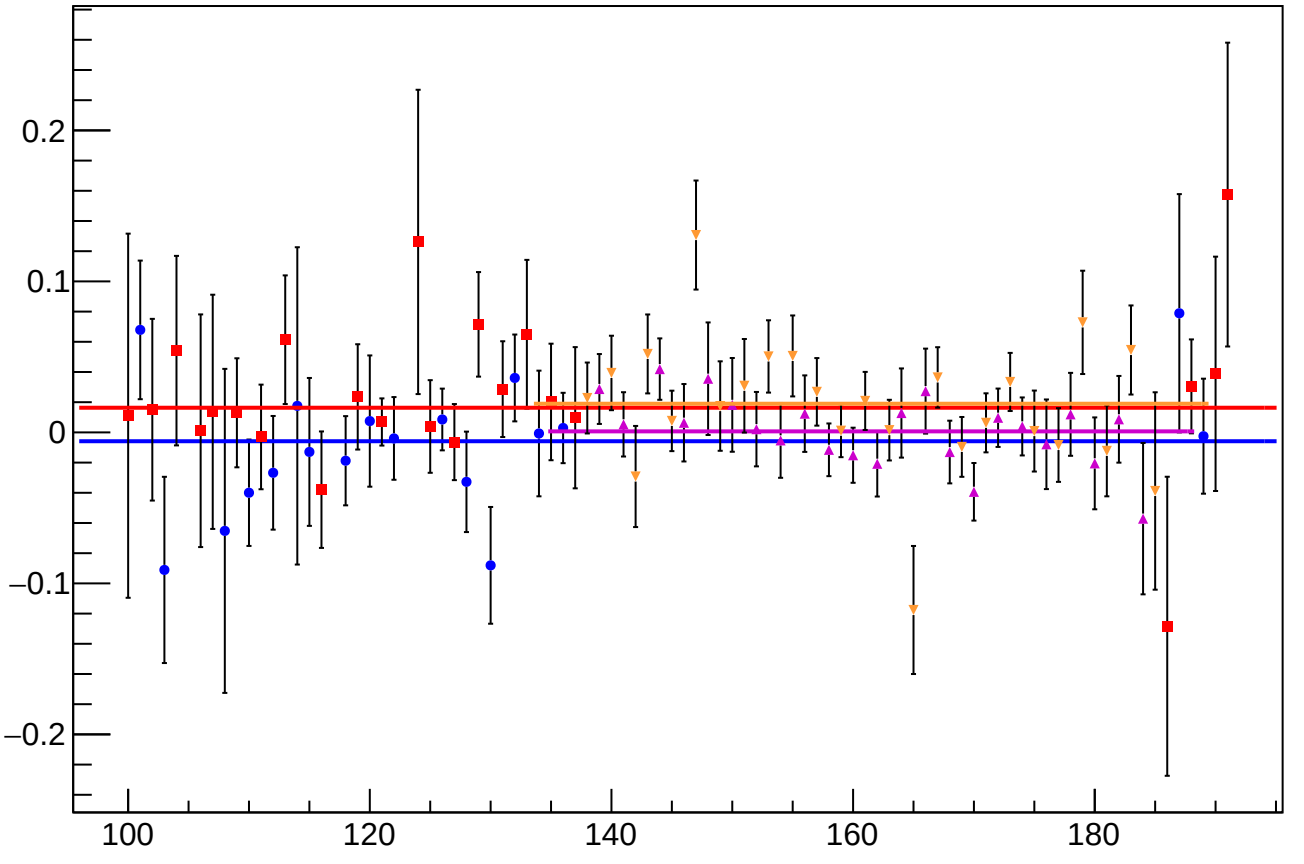
Right Out: 20.930+/-0.006 χ^2/NDF: 3275410.7/22

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

\+ sign 20.967+/-0.003 χ^2/NDF: 3088520.9/42

All: 20.768+/-0.002 χ^2/NDF: 7552654.5/88

\- sign 20.571+/-0.003 χ^2/NDF: 4455198.8/45



Right In: -0.006+/-0.008 χ^2/NDF: 15.5/17

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

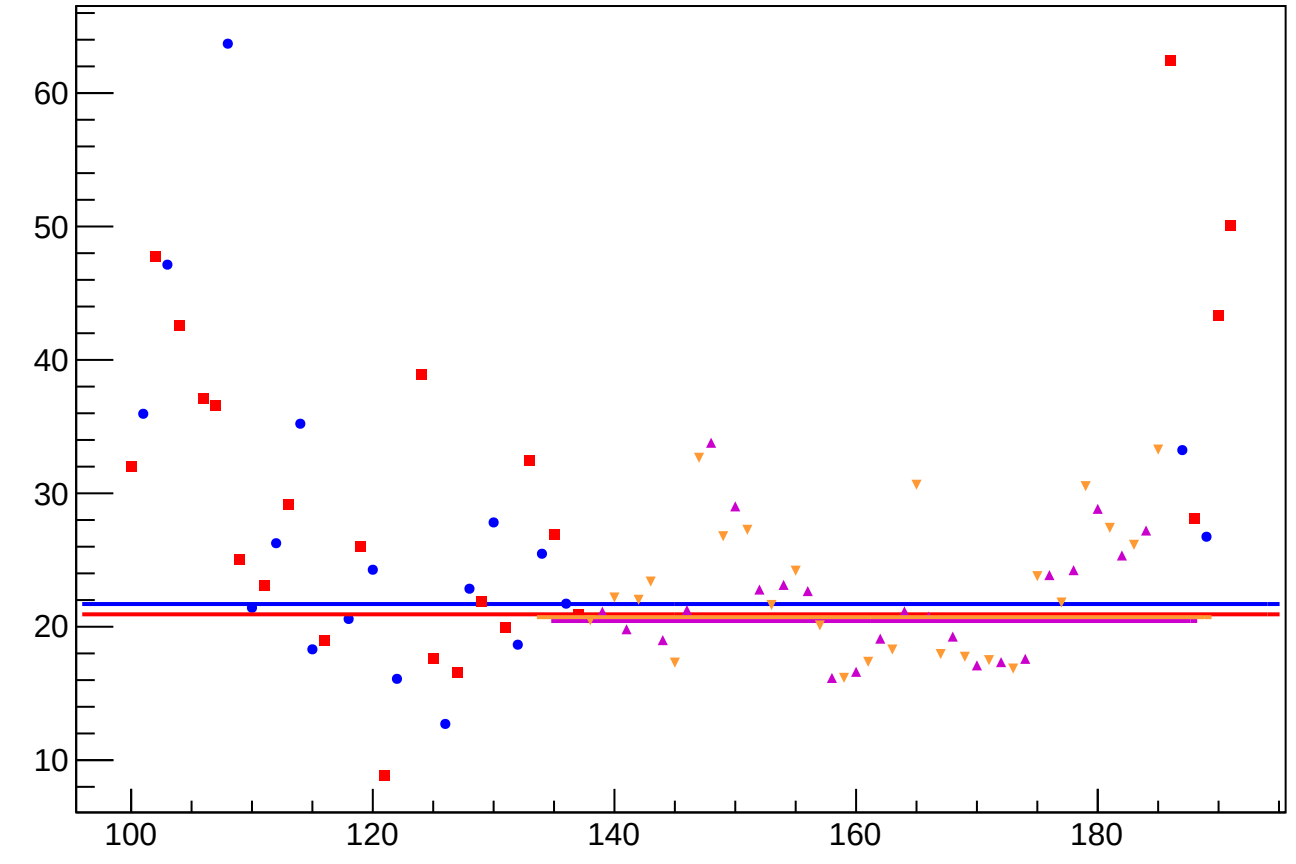
Right Out: 0.016+/-0.008 χ^2/NDF: 14.5/22

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: 99.9/88

- sign 0.005+/-0.004 χ^2/NDF: 35.0/45



Right In: 21.702+/-0.006 χ^2/NDF: 1561481.9/17

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

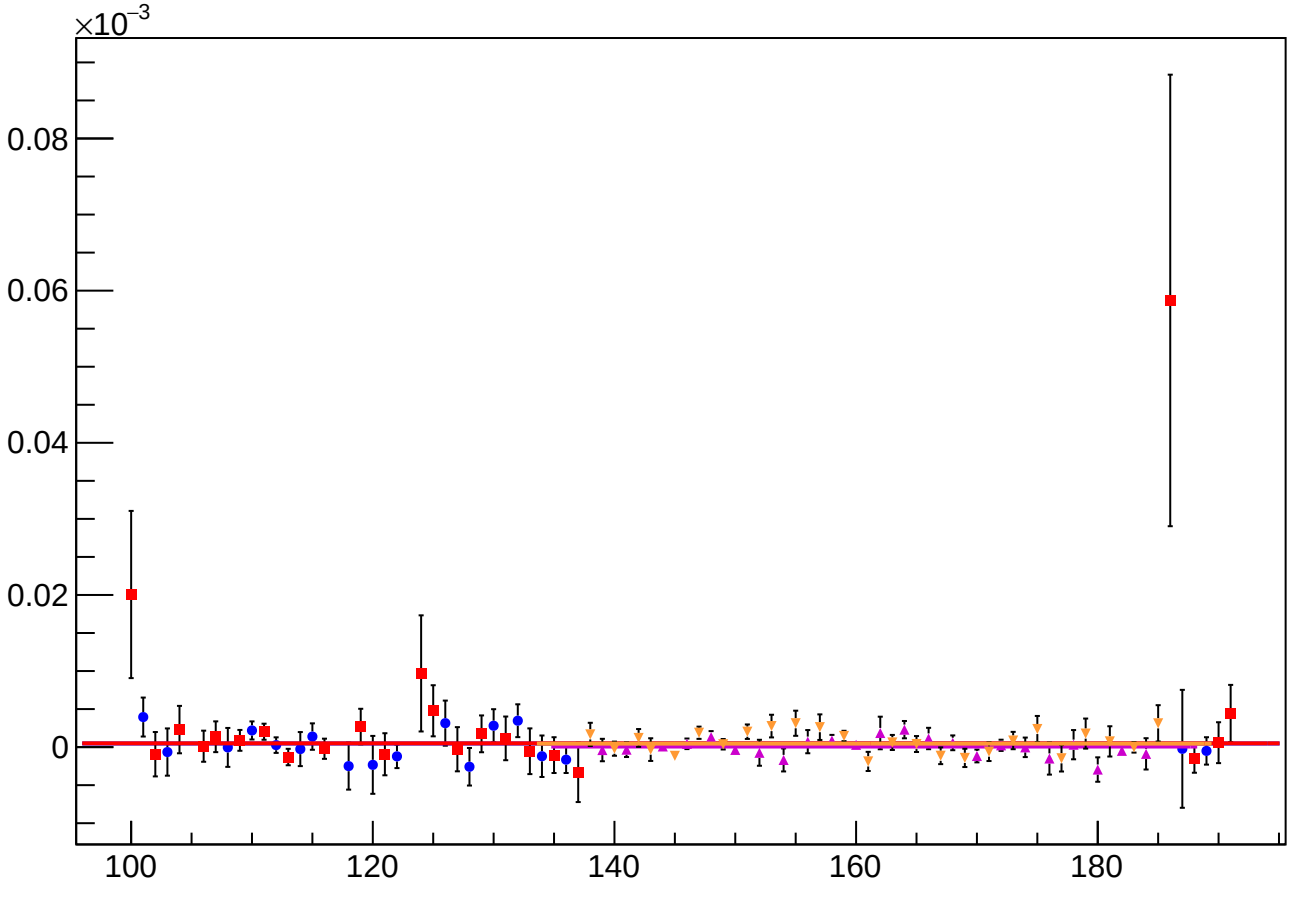
Right Out: 20.930+/-0.006 χ^2/NDF: 3275410.7/22

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

+ sign 20.967+/-0.003 χ^2/NDF: 3088520.9/42

All: 20.768+/-0.002 χ^2/NDF: 7552654.5/88

- sign 20.571+/-0.003 χ^2/NDF: 4455198.8/45



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:36.7/24

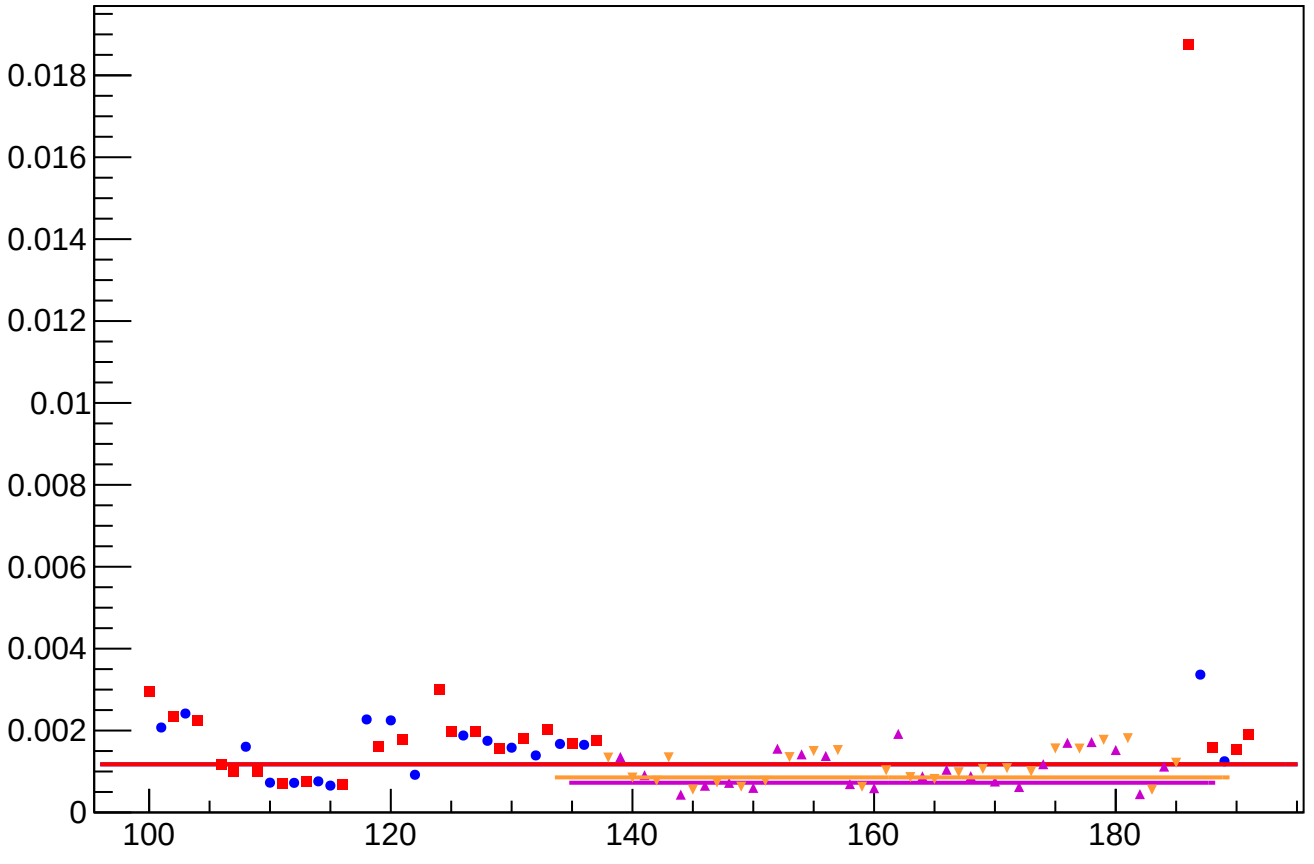
Right Out: 0.000+/-0.000 χ^2/NDF: 21.5/22

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: 94.8/88

- sign 0.000+/-0.000 χ^2/NDF: 41.8/45



Right In: 0.001+/-0.000 χ^2/NDF: 2699605.0/17

Left Out: 0.001+/-0.000 χ^2/NDF:4439075.2/24

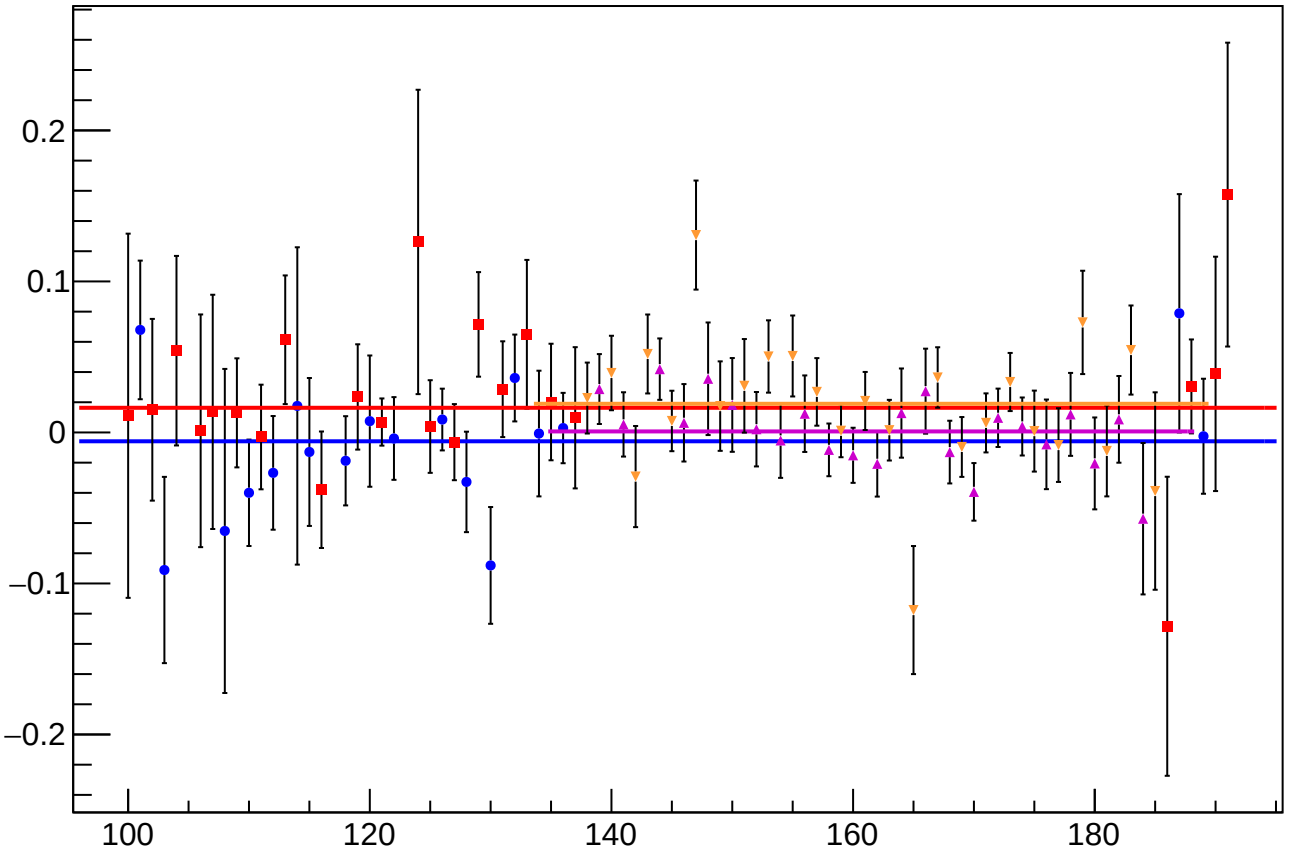
Right Out: 0.001+/-0.000 χ^2/NDF: 3562176.6/22

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: 19501143.0/88

- sign 0.001+/-0.000 χ^2/NDF: 11176692.7/45



Right In: -0.006+/-0.008 χ^2/NDF: 15.5/17

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

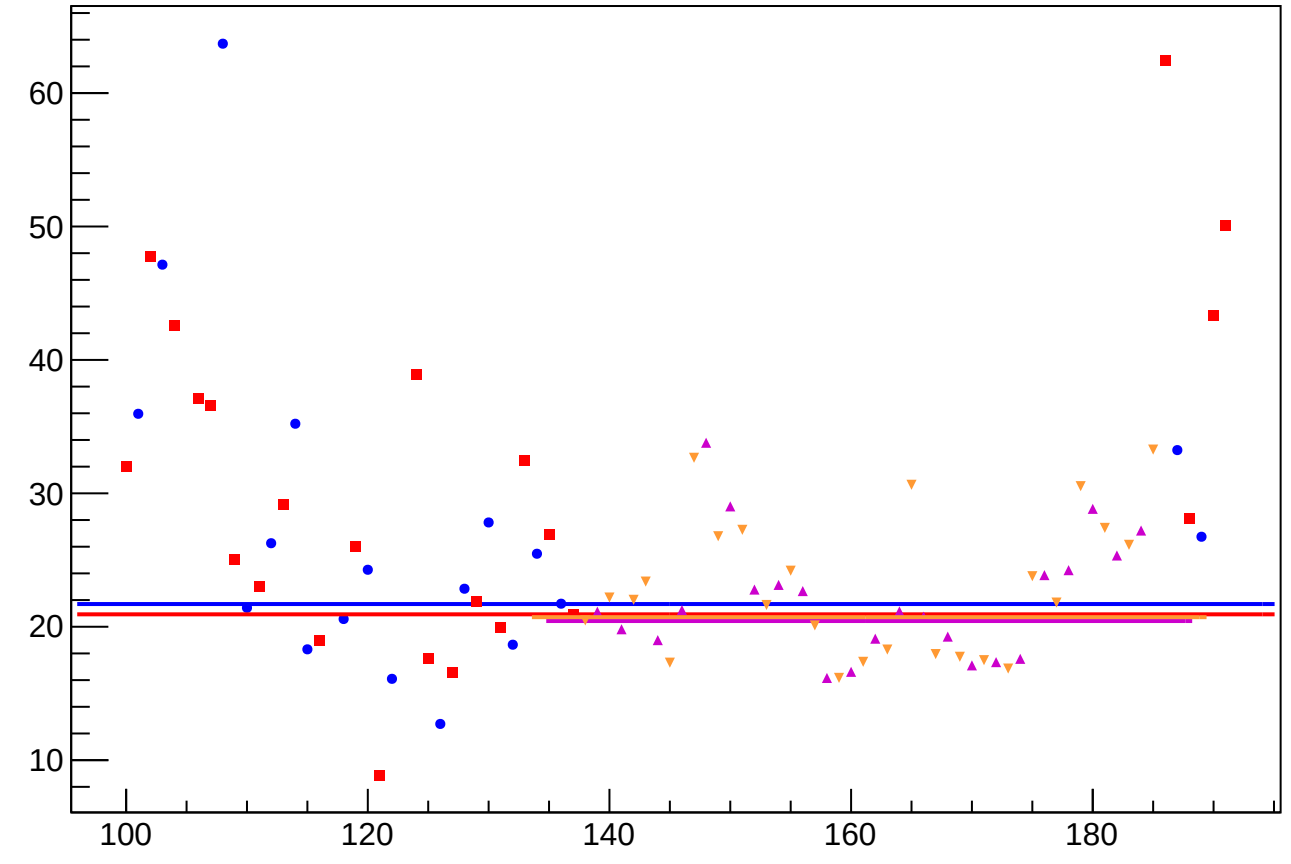
Right Out: 0.016+/-0.008 χ^2/NDF: 14.5/22

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: 99.9/88

- sign 0.005+/-0.004 χ^2/NDF: 35.0/45



Right In: 21.702+/-0.006 χ^2/NDF: 1561322.4/17

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

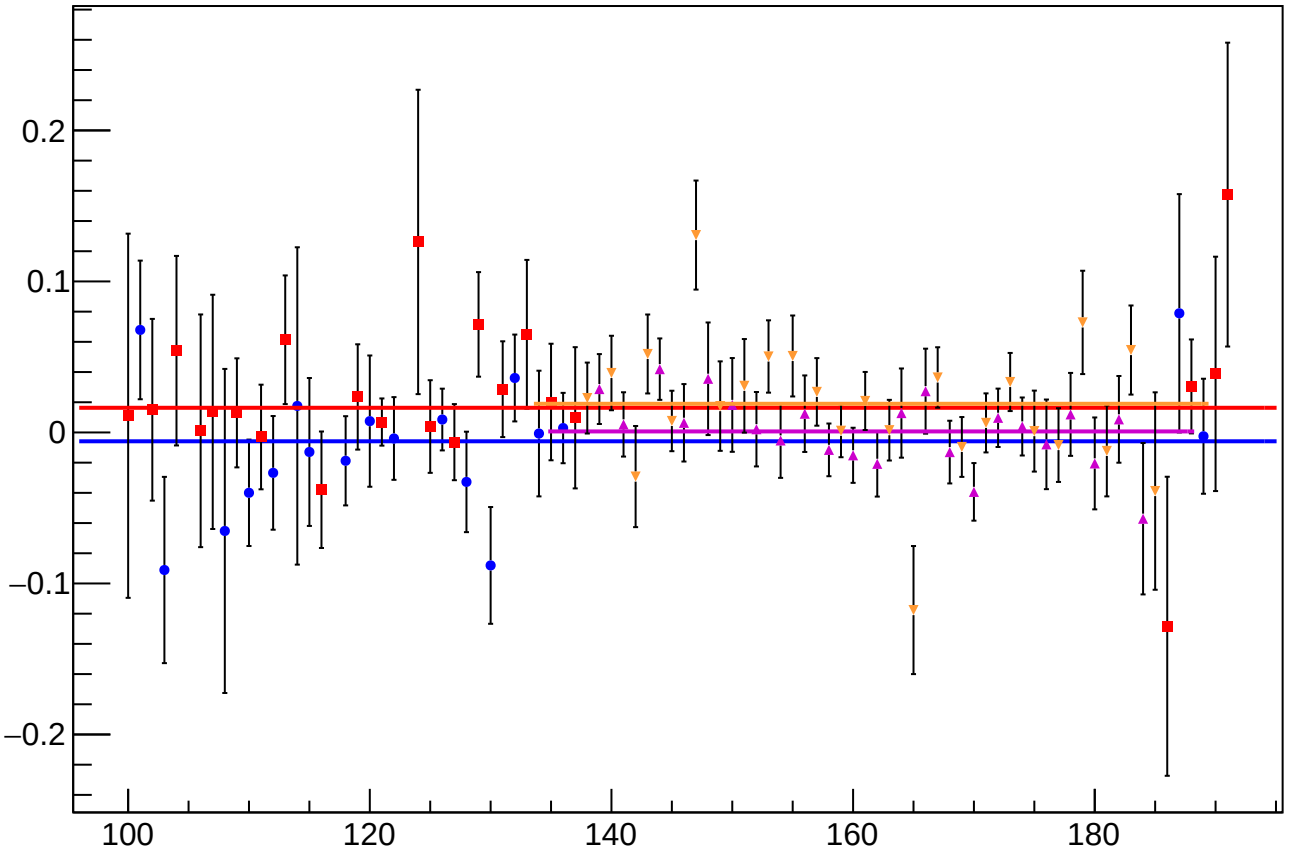
Right Out: 20.931+/-0.006 χ^2/NDF: 3274950.3/22

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

\+ sign 20.967+/-0.003 χ^2/NDF: 3088478.3/42

All: 20.768+/-0.002 χ^2/NDF: 7552204.5/88

\- sign 20.571+/-0.003 χ^2/NDF: 4454798.7/45



Right In: -0.006+/-0.008 χ^2/NDF: 15.5/17

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

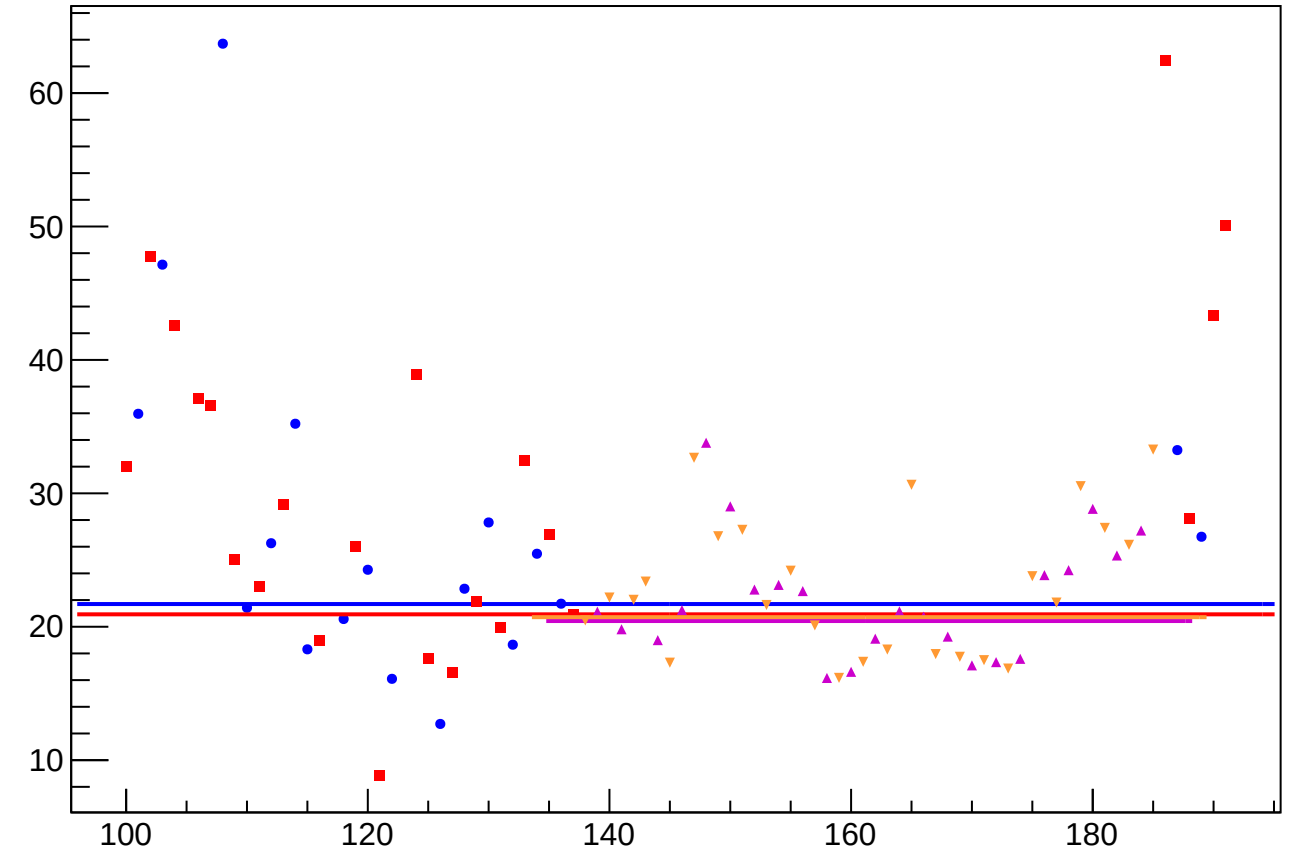
Right Out: 0.016+/-0.008 χ^2/NDF: 14.5/22

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: 99.9/88

- sign 0.005+/-0.004 χ^2/NDF: 35.0/45



Right In: 21.702+/-0.006 χ^2/NDF: 1561322.4/17

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

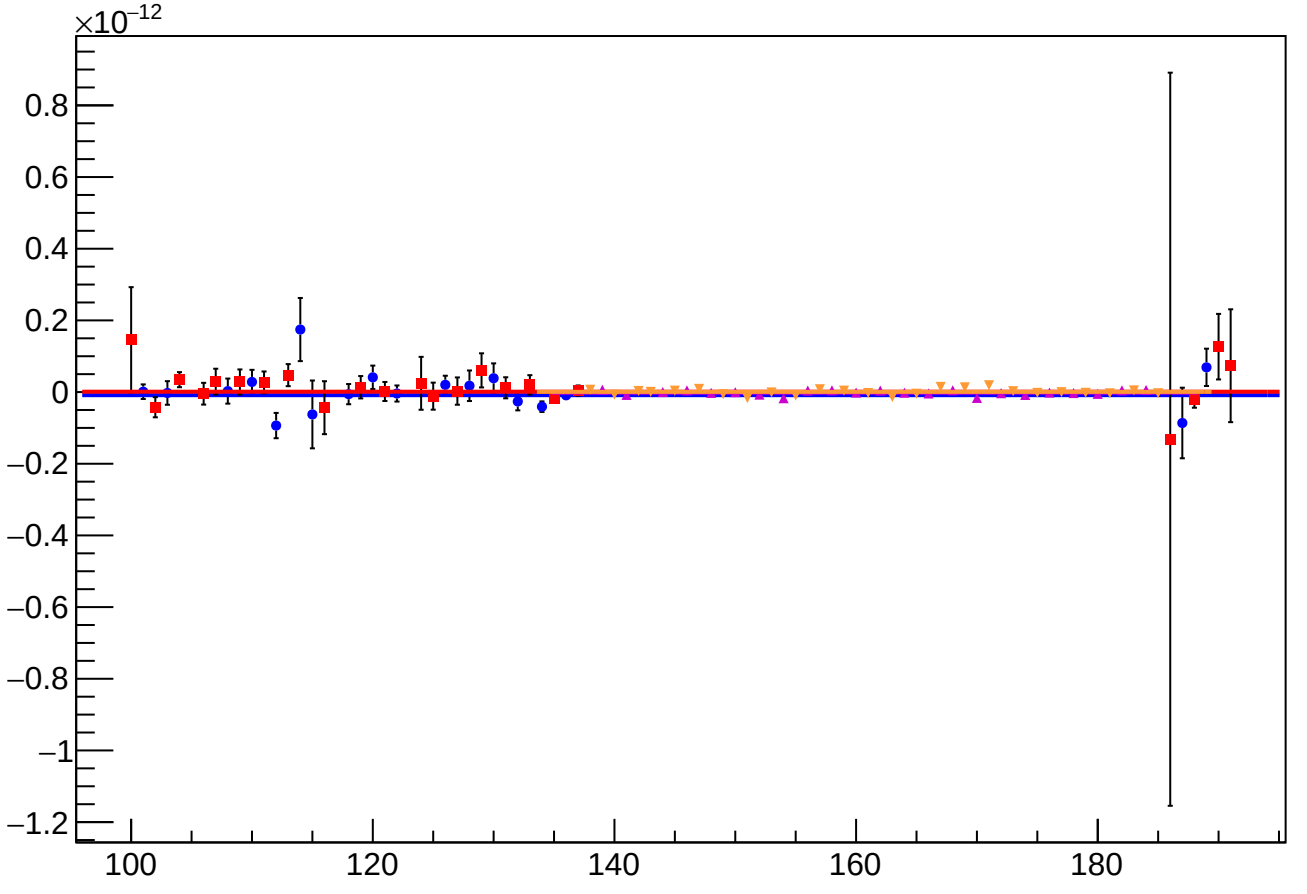
Right Out: 20.931+/-0.006 χ^2/NDF: 3274950.3/22

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

+ sign 20.967+/-0.003 χ^2/NDF: 3088478.3/42

All: 20.768+/-0.002 χ^2/NDF: 7552204.5/88

- sign 20.571+/-0.003 χ^2/NDF: 4454798.7/45



Right In: -0.000+/-0.000 χ^2/NDF: 25.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:29.0/24

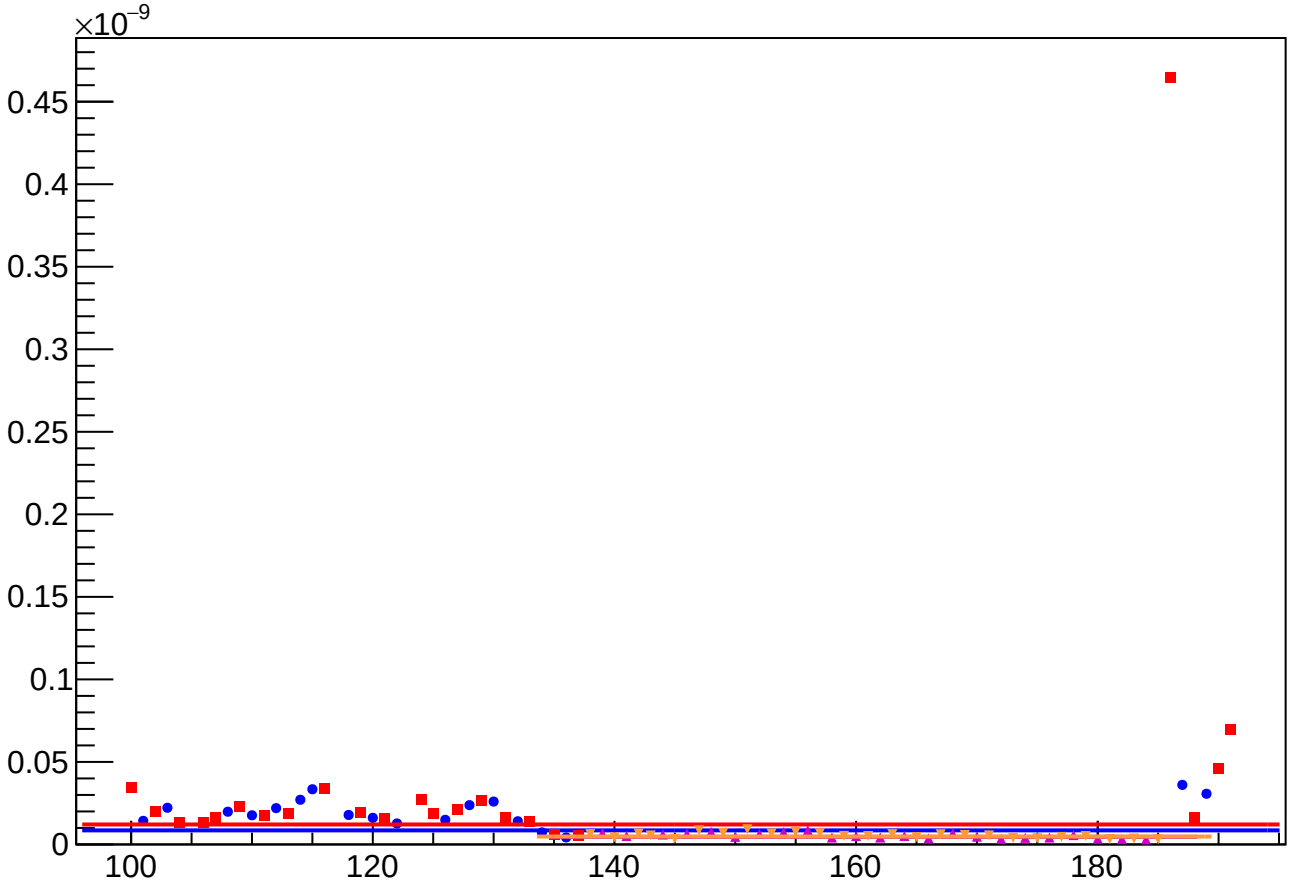
Right Out: 0.000+/-0.000 χ^2/NDF: 20.0/22

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: 99.7/88

- sign -0.000+/-0.000 χ^2/NDF: 40.8/45



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: 3625974.1/22

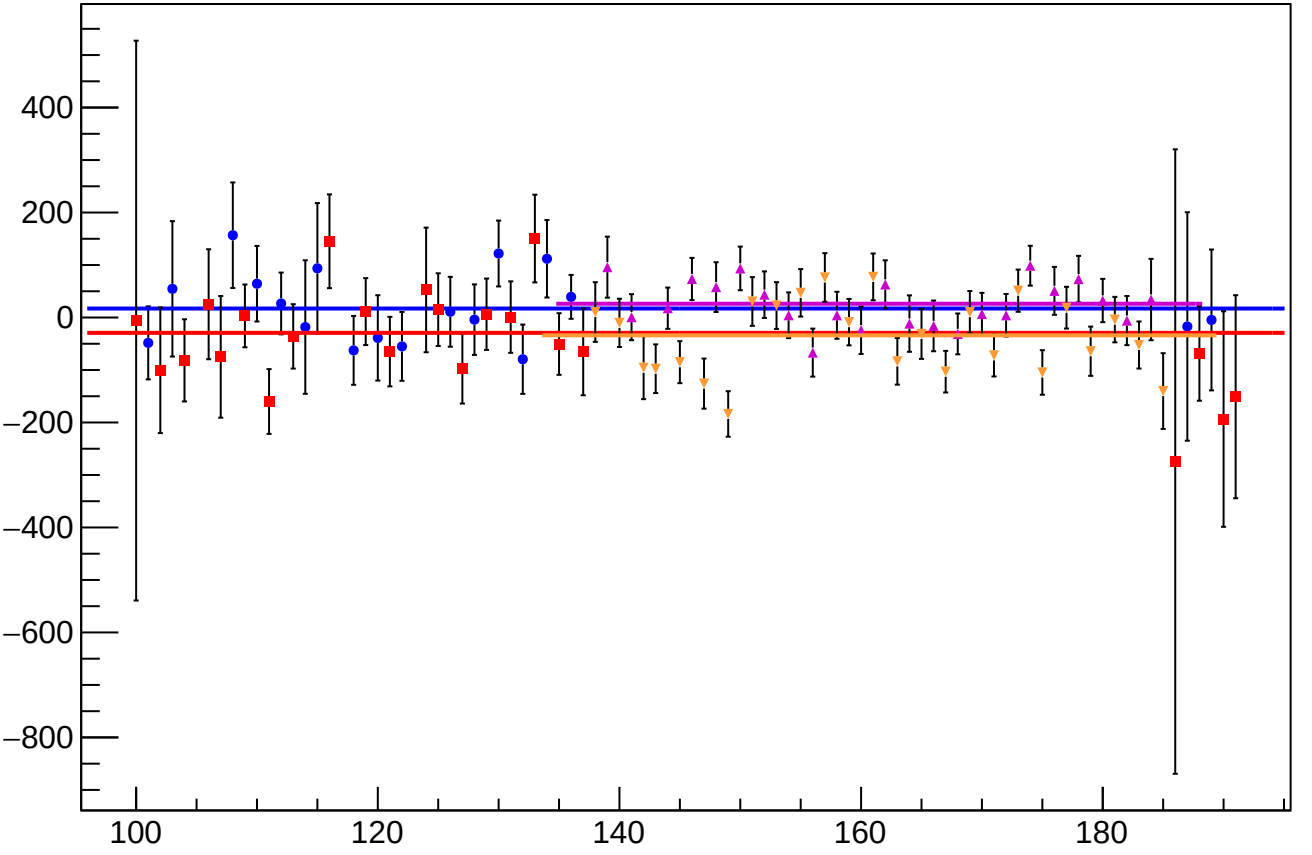
Left In: 0.000+/-0.000 χ^2/NDF:1908439.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 7660005.0/42

All: 0.000+/-0.000 χ^2/NDF: 16702098.8/88

- sign 0.000+/-0.000 χ^2/NDF: 9039291.7/45

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: -29.233+/-16.896 χ^2/NDF: 19.3/22

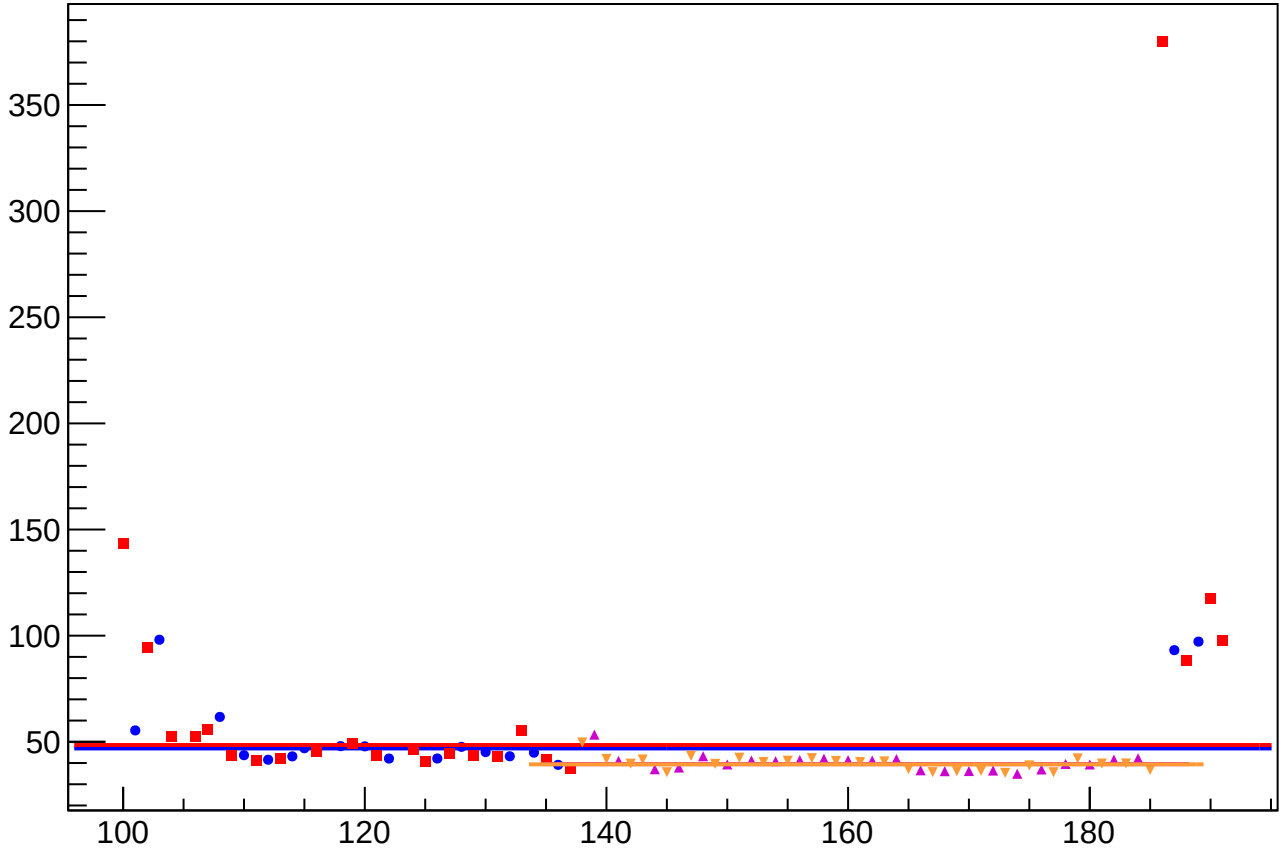
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -23.061+/-7.977 χ^2/NDF: 79.6/42

All: -5.163+/-5.693 χ^2/NDF: 139.9/88

- sign 13.422+/-8.128 χ^2/NDF: 50.1/45

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

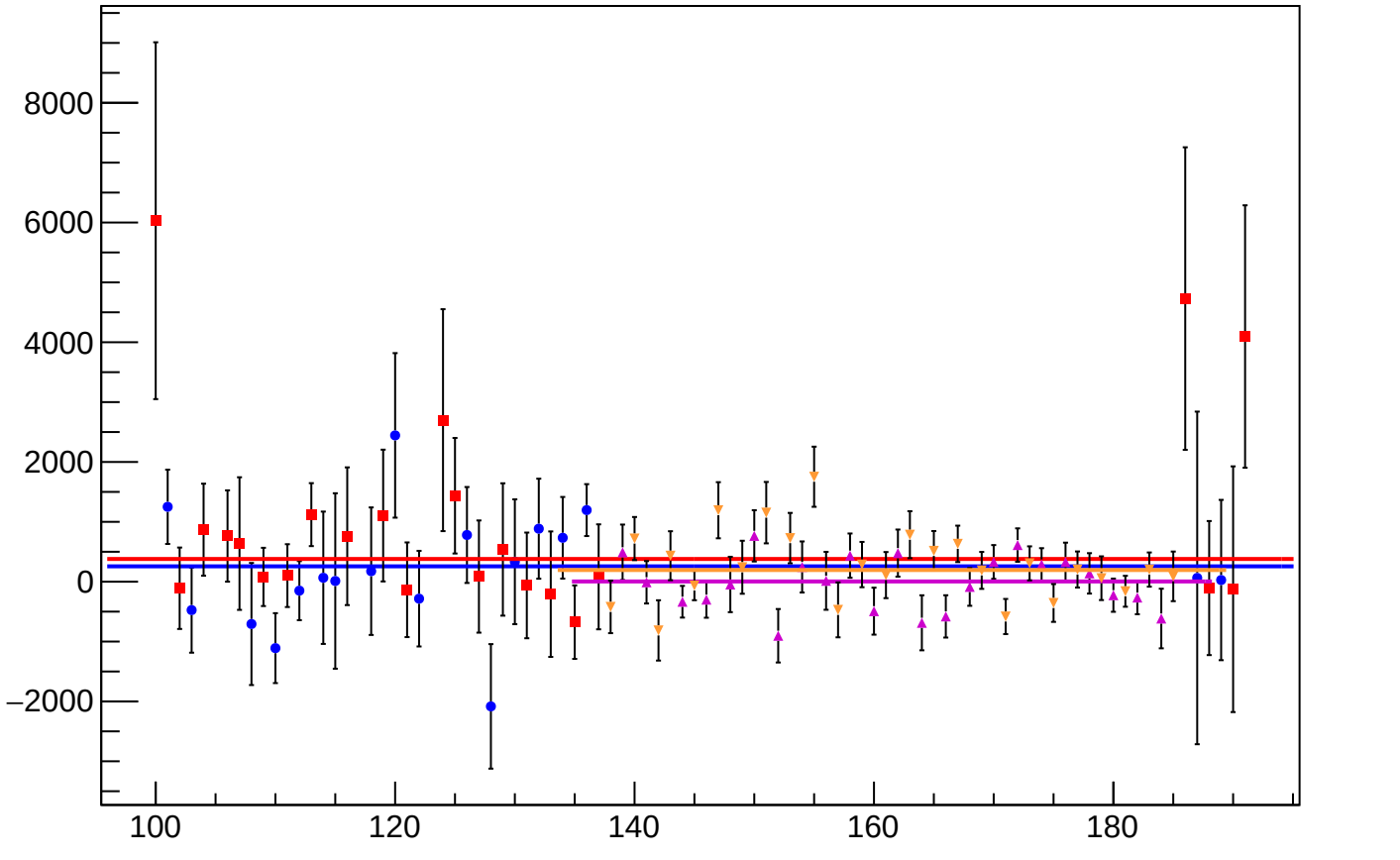
Right Out: 48.477+/-0.012 χ^2/NDF: 1946306.7/22

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

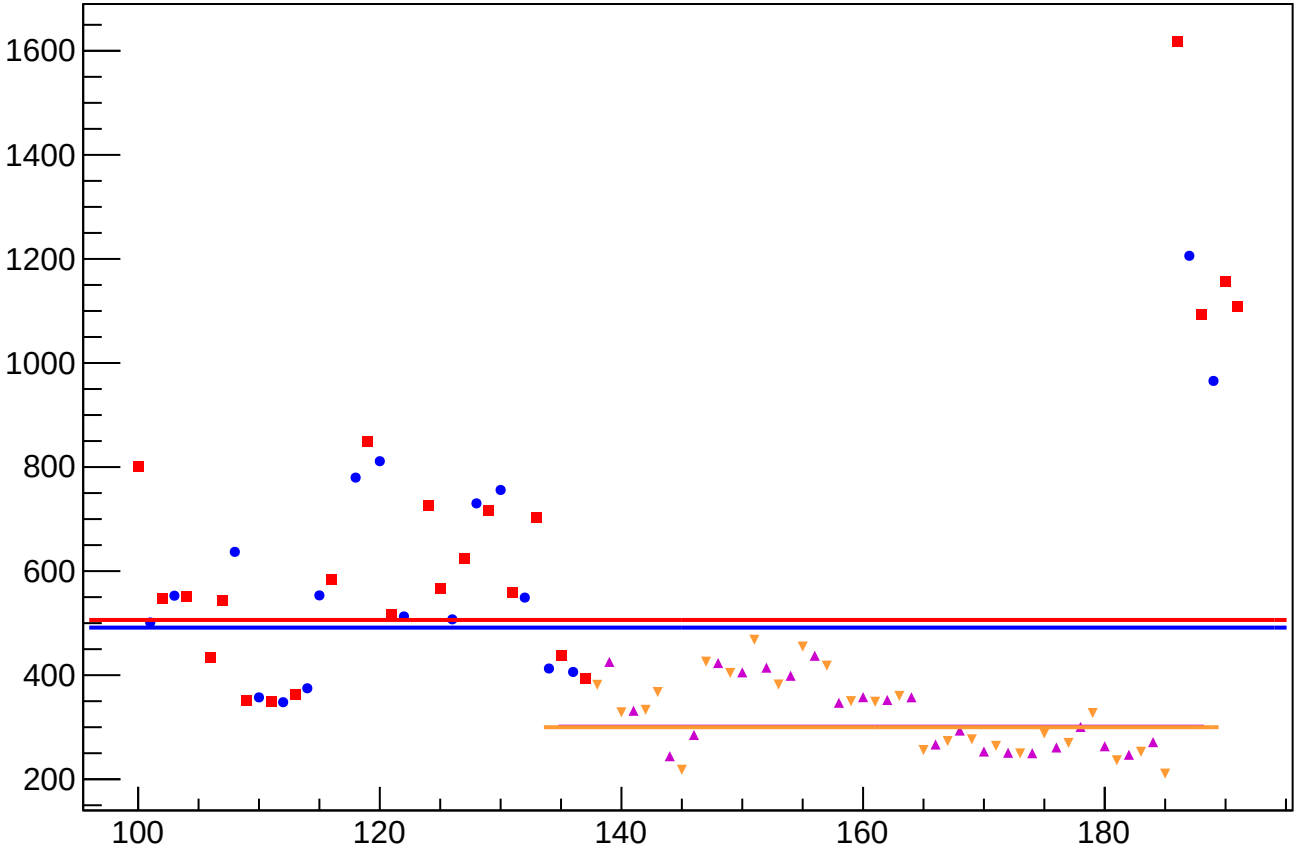
+ sign 40.982+/-0.006 χ^2/NDF: 1406990.4/42

All: 41.271+/-0.004 χ^2/NDF: 4045270.2/88

- sign 41.571+/-0.006 χ^2/NDF: 2632931.9/45


asym_sam_15_37_dd_reg_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
120
140
160
180
Right In: 256.702+/-183.065 χ²/NDF: 25.0/17
Left Out: 195.029+/-70.093 χ²/NDF:48.6/24
Right Out: 379.598+/-176.690 χ²/NDF: 21.0/22
Left In: 4.015+/-71.981 χ²/NDF:32.4/22
+ sign 202.914+/-65.459 χ²/NDF: 73.7/42
All: 131.519+/-46.706 χ²/NDF: 133.4/88
- sign 57.475+/-66.662 χ²/NDF: 57.3/45

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: 506.121+/-0.125 χ^2/NDF: 2352703.1/22

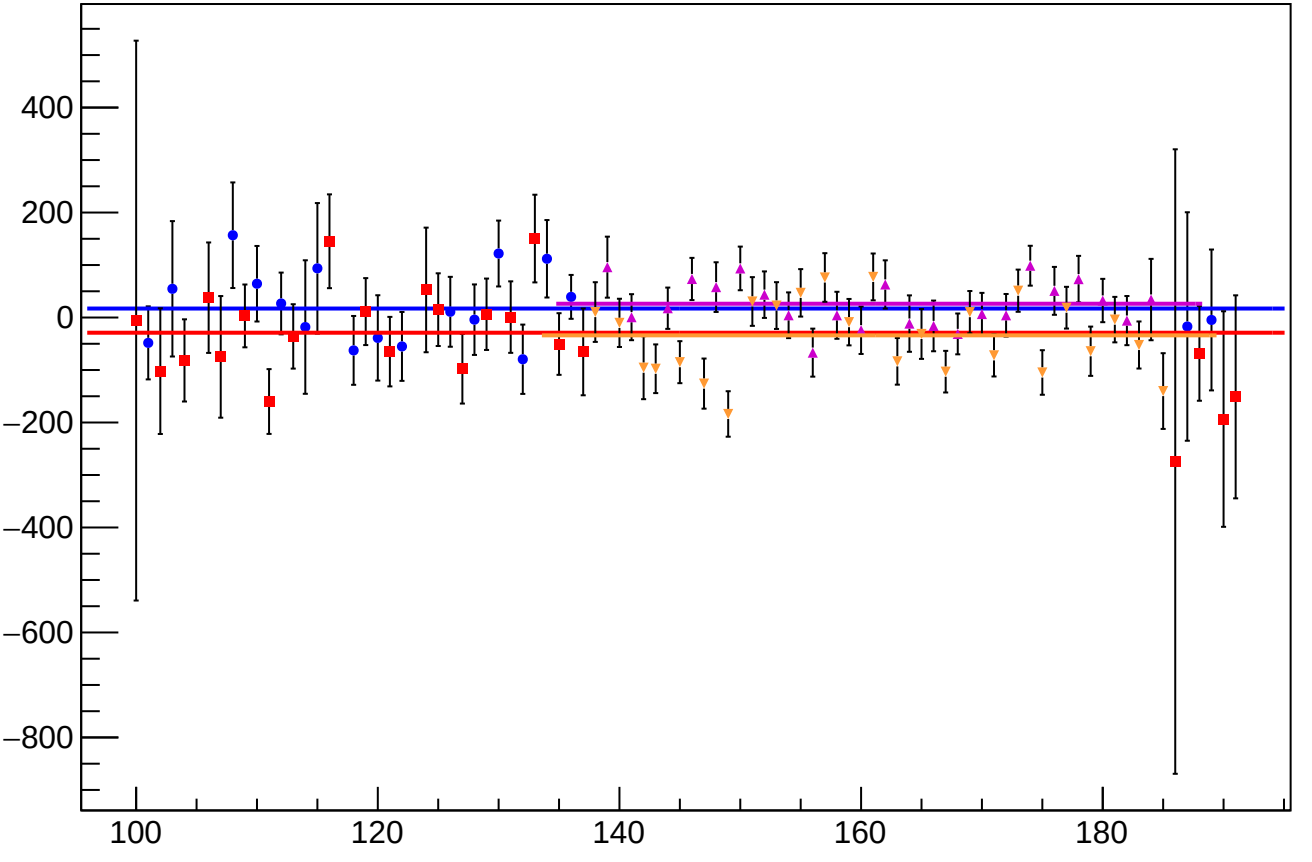
Left In: 301.000+/-0.051 χ^2/NDF:1407198.4/22

+ sign 324.454+/-0.046 χ^2/NDF: 5060652.0/42

All: 327.273+/-0.033 χ^2/NDF: 11139865.1/88

- sign 330.196+/-0.047 χ^2/NDF: 6071657.8/45

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: -28.955+/-16.898 χ^2/NDF: 19.4/22

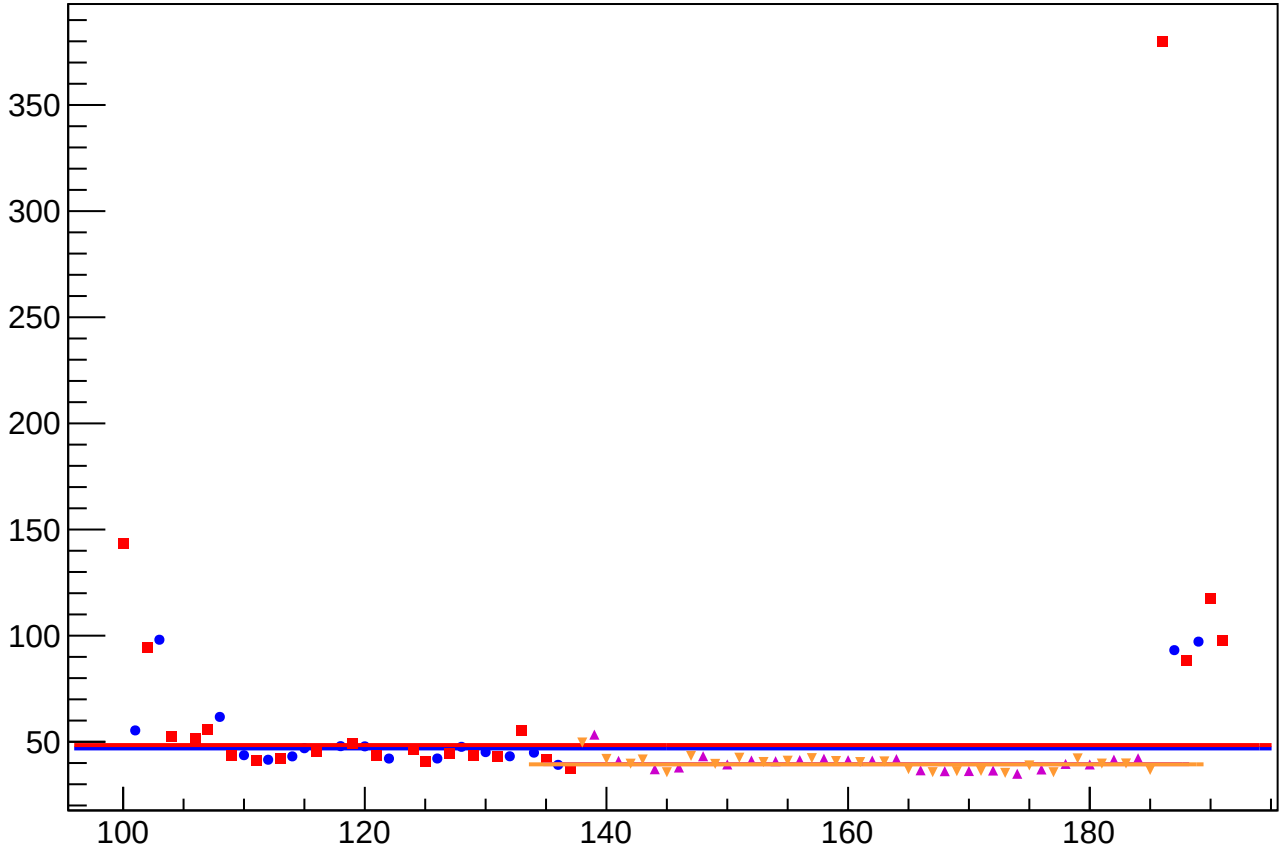
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -23.059+/-7.977 χ^2/NDF: 79.6/42

All: -5.129+/-5.693 χ^2/NDF: 140.0/88

- sign 13.489+/-8.128 χ^2/NDF: 50.1/45

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

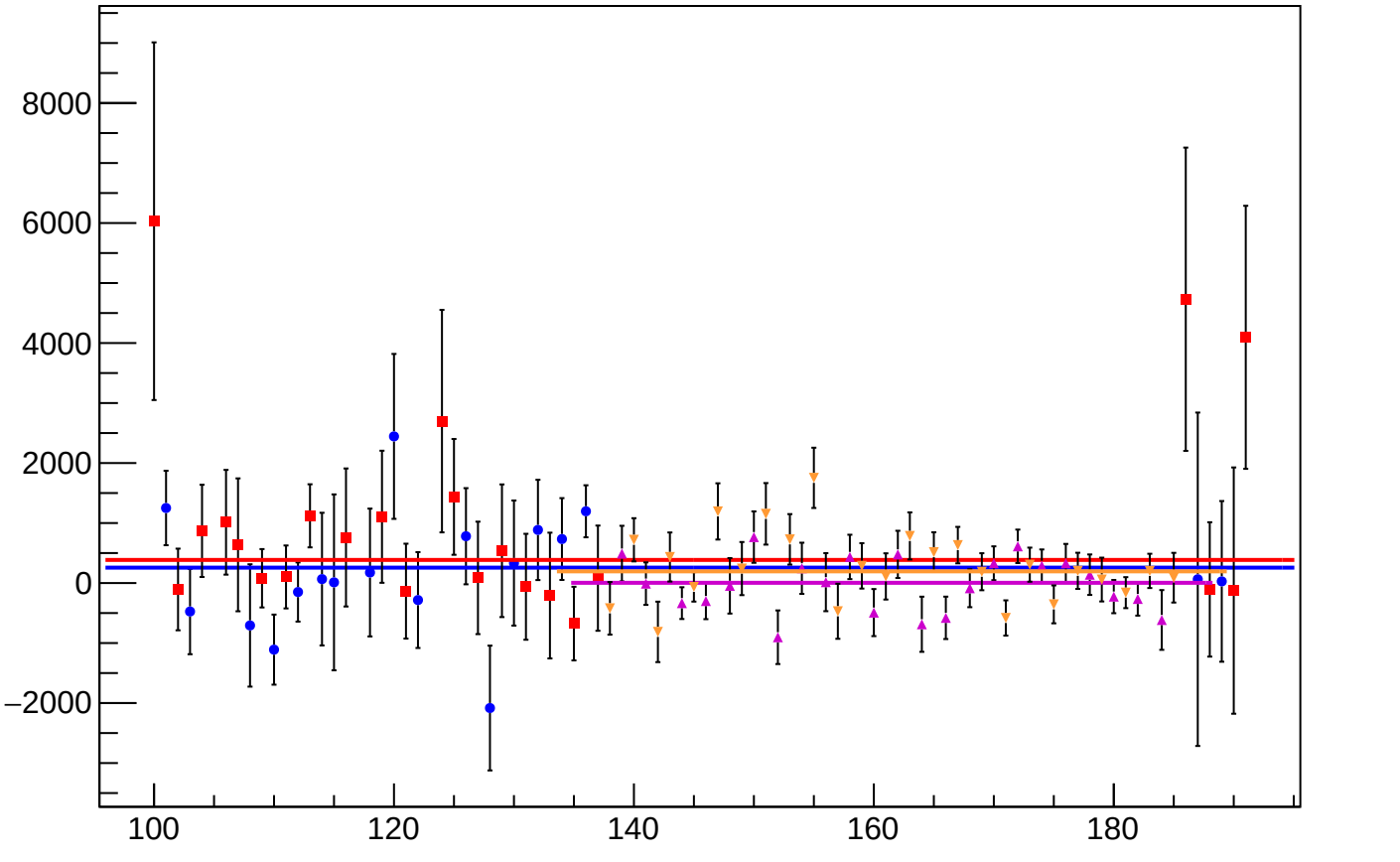
Right Out: 48.455+/-0.012 χ^2/NDF: 1945443.4/22

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 40.982+/-0.006 χ^2/NDF: 1406993.3/42

All: 41.268+/-0.004 χ^2/NDF: 4042100.3/88

- sign 41.565+/-0.006 χ^2/NDF: 2629858.4/45



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: 385.276+/-177.831 χ^2/NDF: 21.3/22

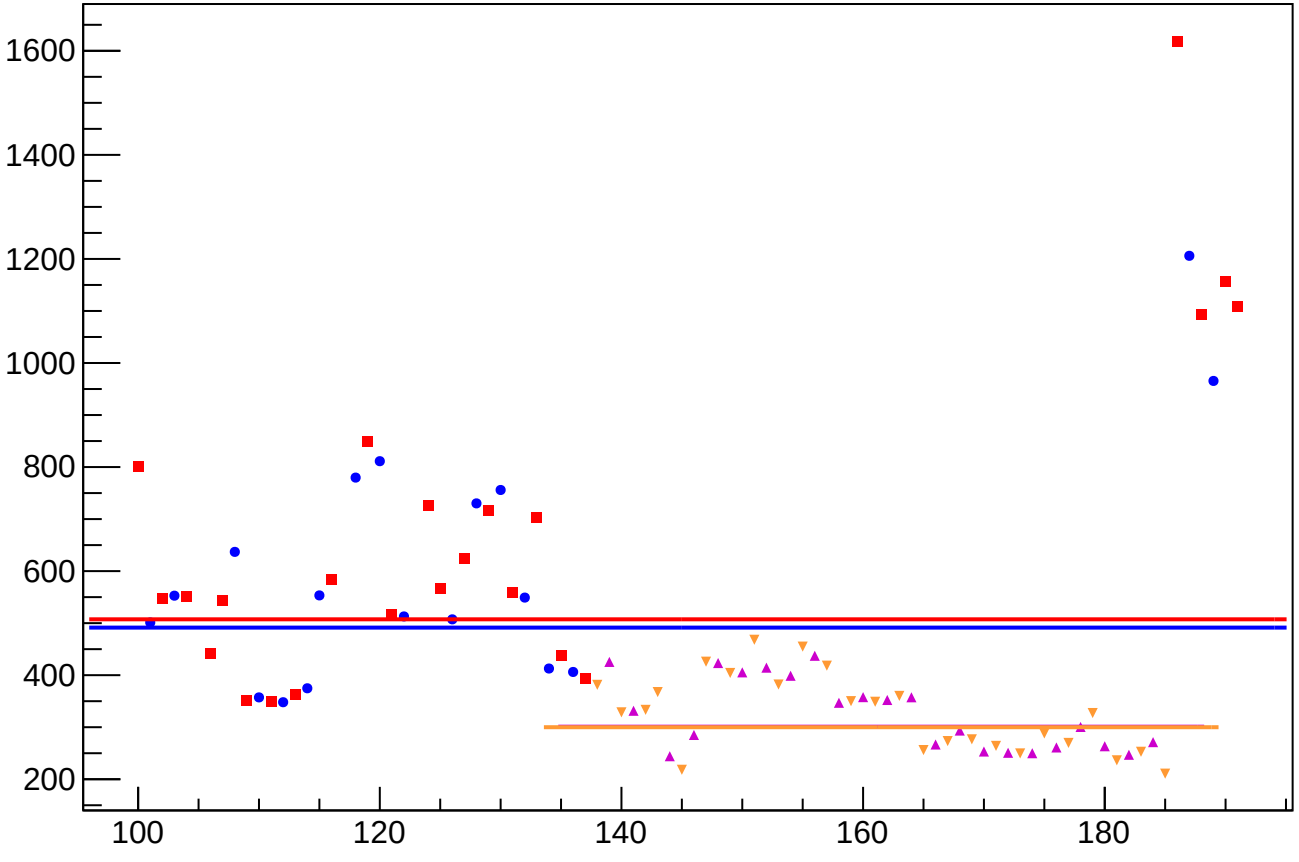
Left In: 4.014+/-71.981 χ^2/NDF:32.4/22

+ sign 202.914+/-65.459 χ^2/NDF: 73.7/42

All: 131.689+/-46.727 χ^2/NDF: 133.7/88

- sign 57.687+/-66.722 χ^2/NDF: 57.6/45

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: 507.372+/-0.126 χ^2/NDF: 2345905.9/22

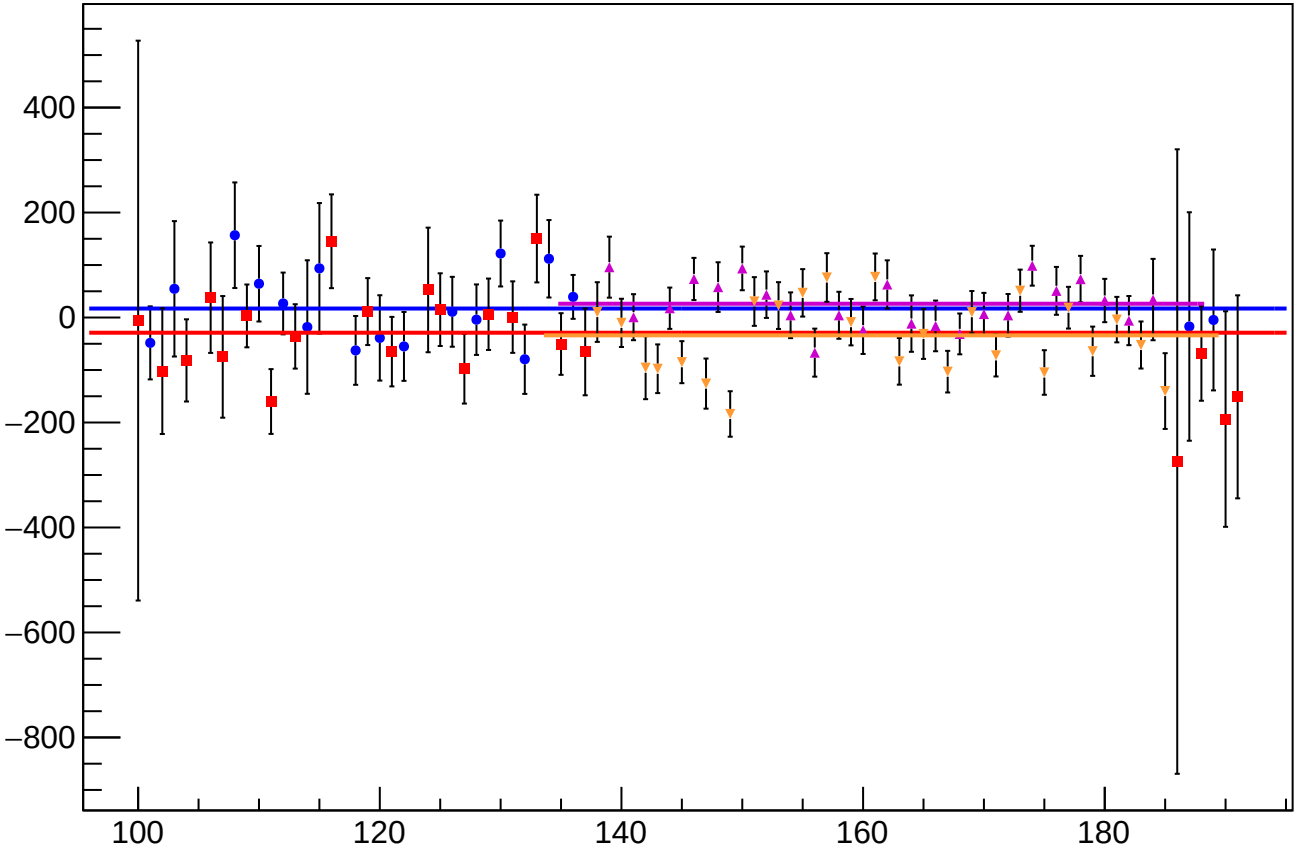
Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

+ sign 324.454+/-0.046 χ^2/NDF: 5060695.7/42

All: 327.199+/-0.033 χ^2/NDF: 11135314.6/88

- sign 330.052+/-0.047 χ^2/NDF: 6067446.8/45

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: -28.955+/-16.898 χ^2/NDF: 19.4/22

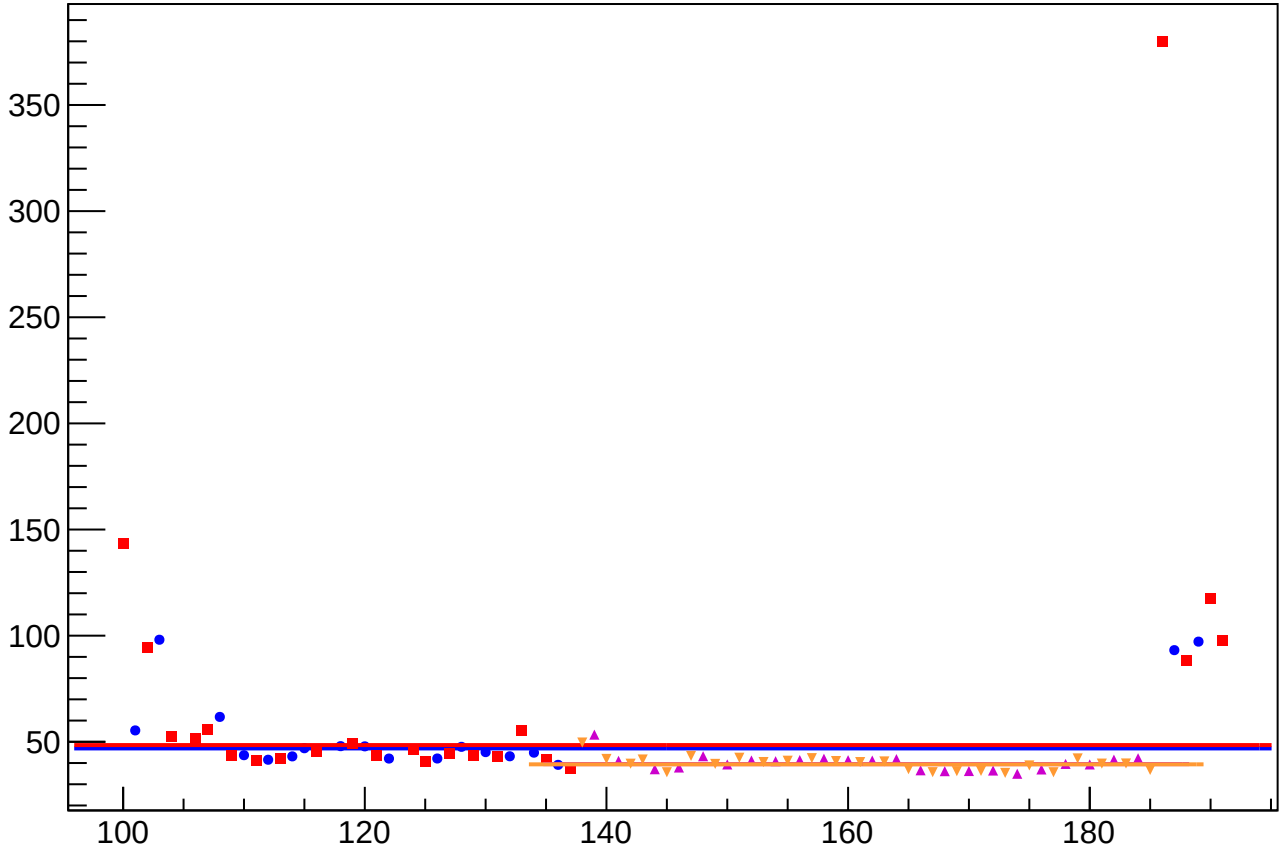
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -23.059+/-7.977 χ^2/NDF: 79.6/42

All: -5.129+/-5.693 χ^2/NDF: 140.0/88

- sign 13.489+/-8.128 χ^2/NDF: 50.1/45

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

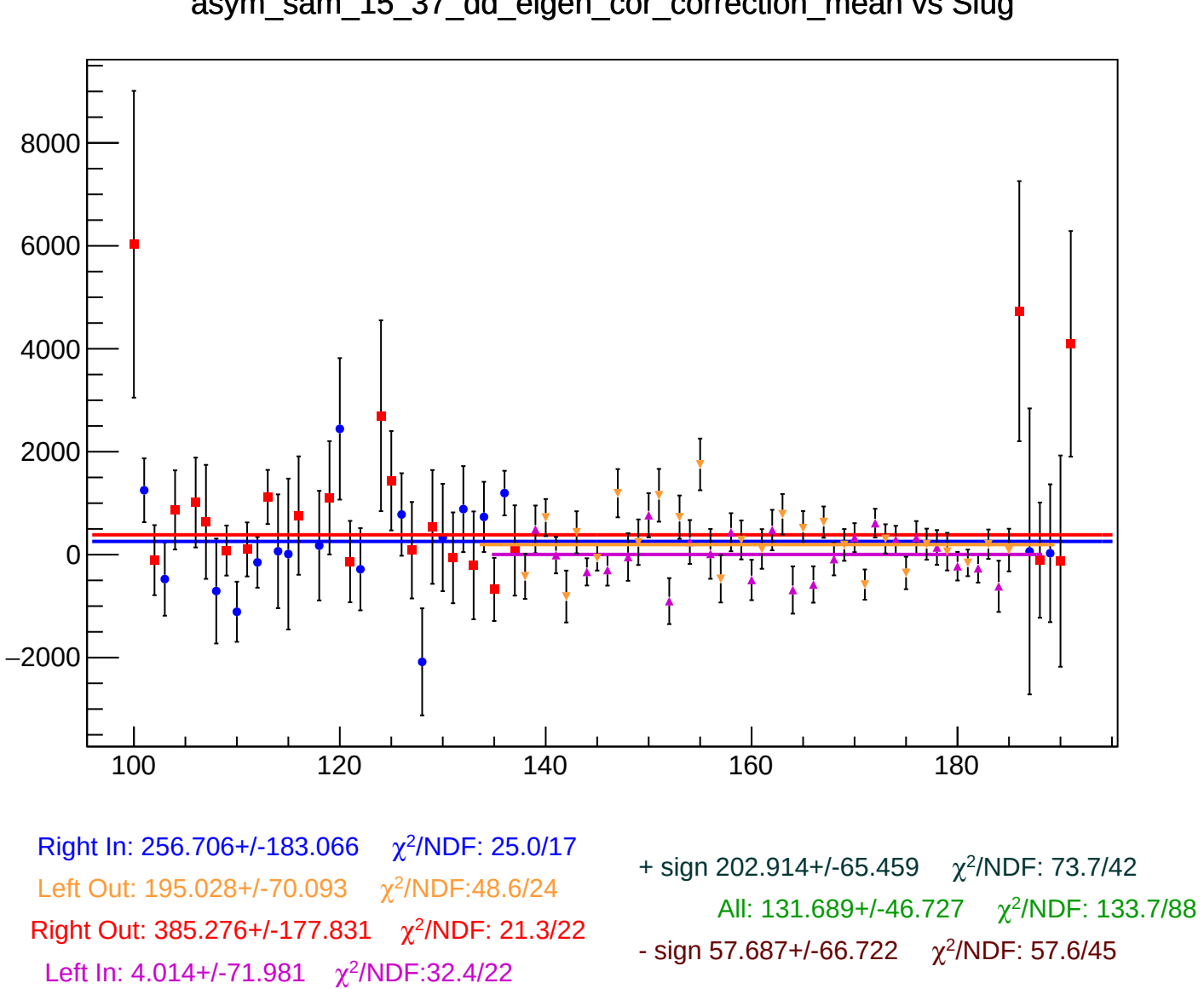
Right Out: 48.455+/-0.012 χ^2/NDF: 1945443.4/22

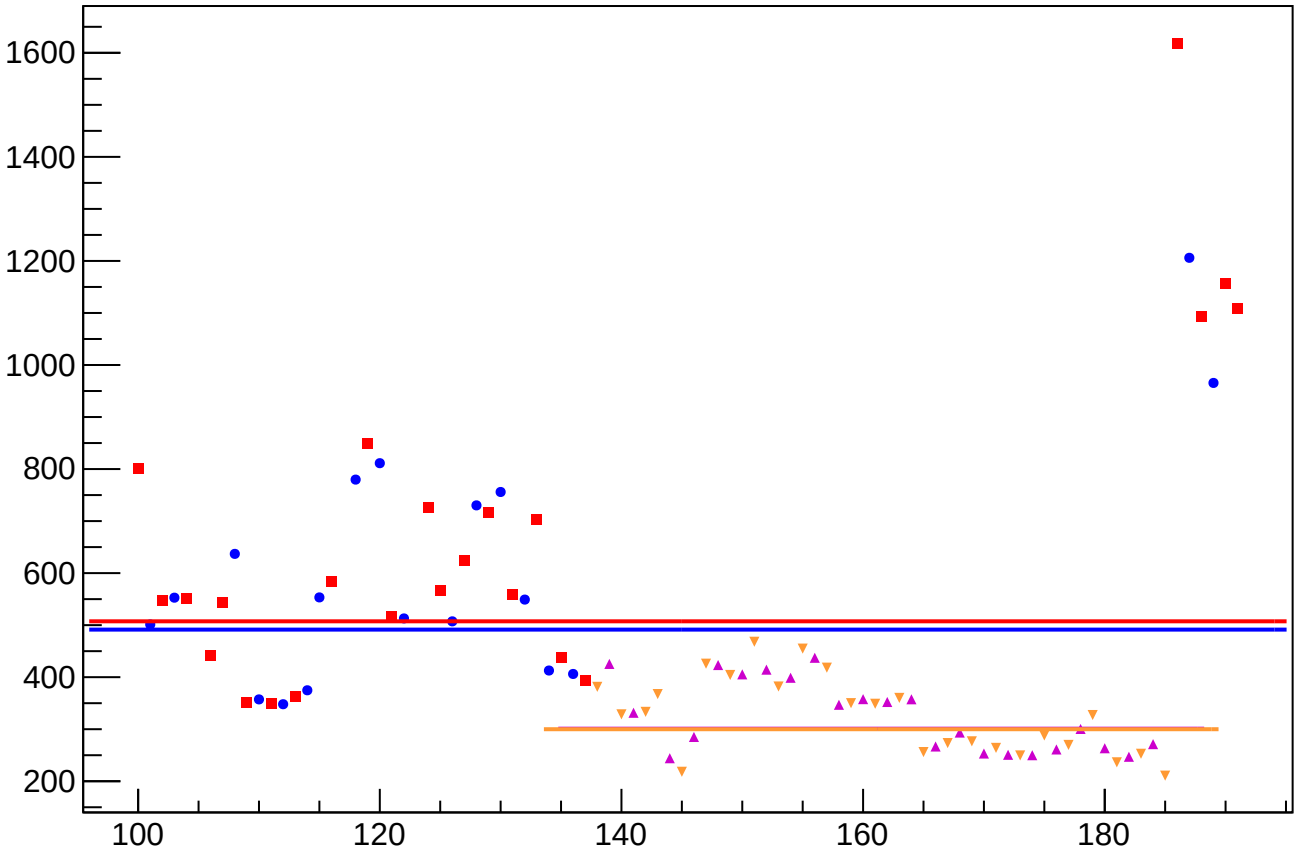
Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 40.982+/-0.006 χ^2/NDF: 1406993.3/42

All: 41.268+/-0.004 χ^2/NDF: 4042100.3/88

- sign 41.565+/-0.006 χ^2/NDF: 2629858.4/45


asym_sam_15_37_dd_eigen_cor_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
120
140
160
180
Right In: 256.706+/-183.066 χ²/NDF: 25.0/17
Left Out: 195.028+/-70.093 χ²/NDF:48.6/24
Right Out: 385.276+/-177.831 χ²/NDF: 21.3/22
Left In: 4.014+/-71.981 χ²/NDF:32.4/22
+ sign 202.914+/-65.459 χ²/NDF: 73.7/42
All: 131.689+/-46.727 χ²/NDF: 133.7/88
- sign 57.687+/-66.722 χ²/NDF: 57.6/45



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: 507.372+/-0.126 χ^2/NDF: 2345905.9/22

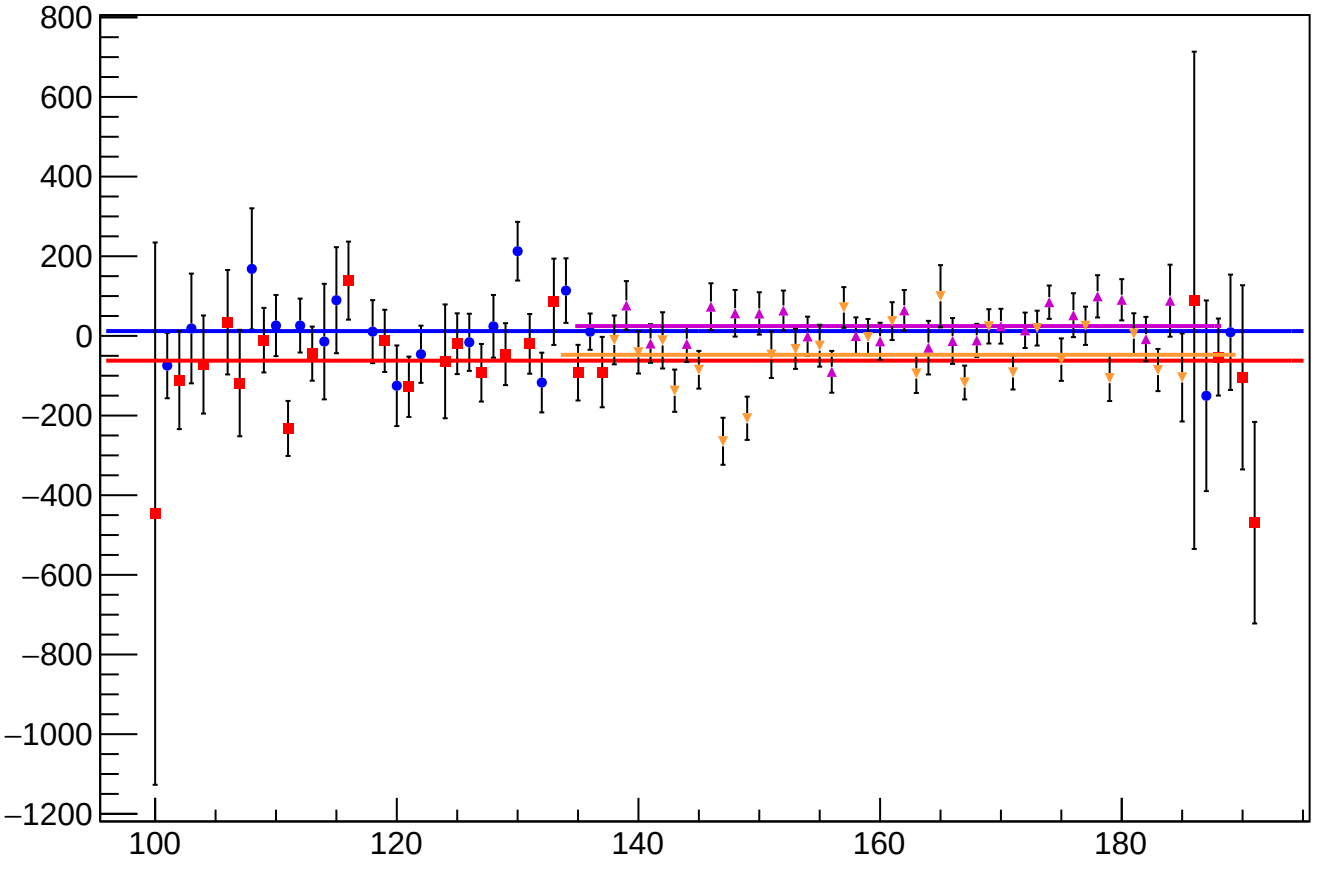
Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

+ sign 324.454+/-0.046 χ^2/NDF: 5060695.7/42

All: 327.199+/-0.033 χ^2/NDF: 11135314.6/88

- sign 330.052+/-0.047 χ^2/NDF: 6067446.8/45

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: -62.175+/-19.663 χ^2/NDF: 18.8/22

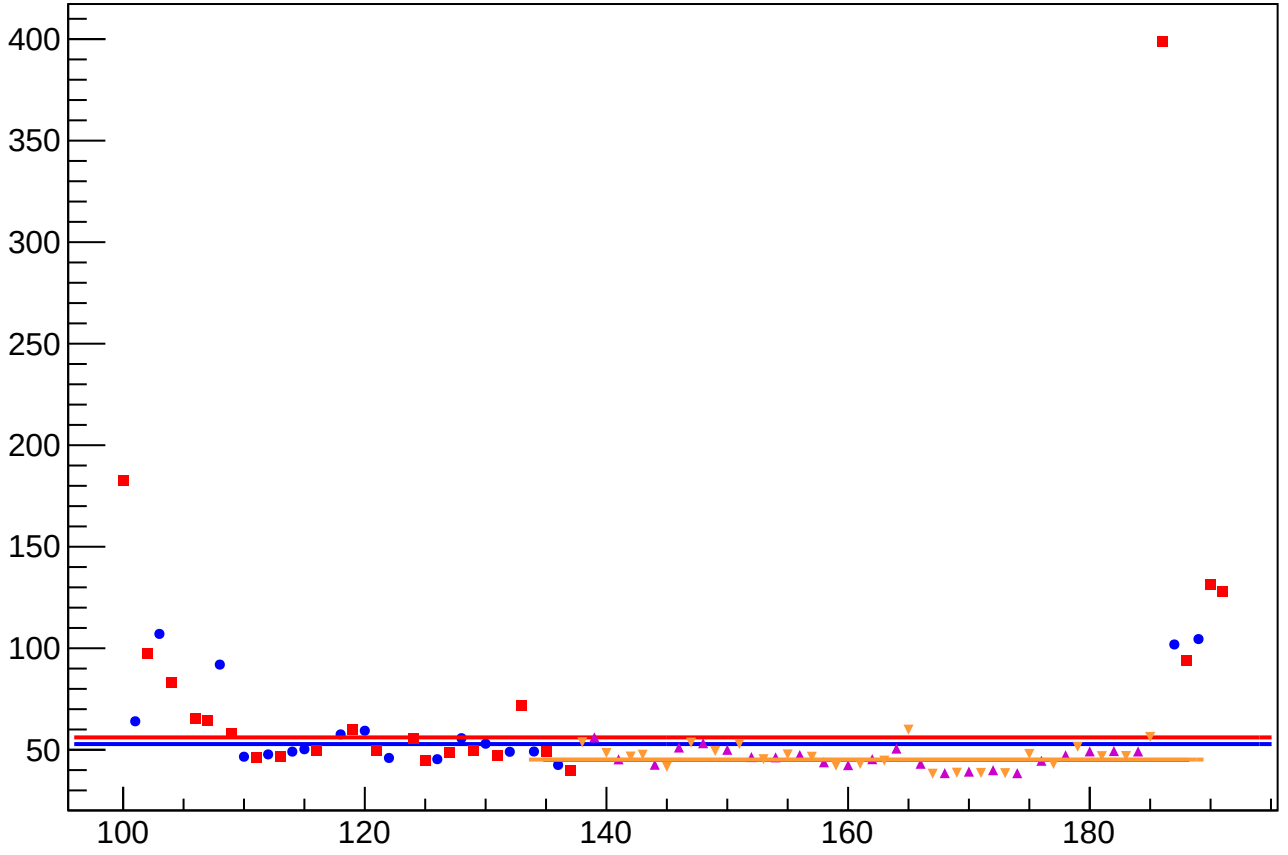
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

+ sign -34.407+/-9.181 χ^2/NDF: 79.6/42

All: -15.128+/-6.558 χ^2/NDF: 142.2/88

- sign 4.957+/-9.371 χ^2/NDF: 53.6/45

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

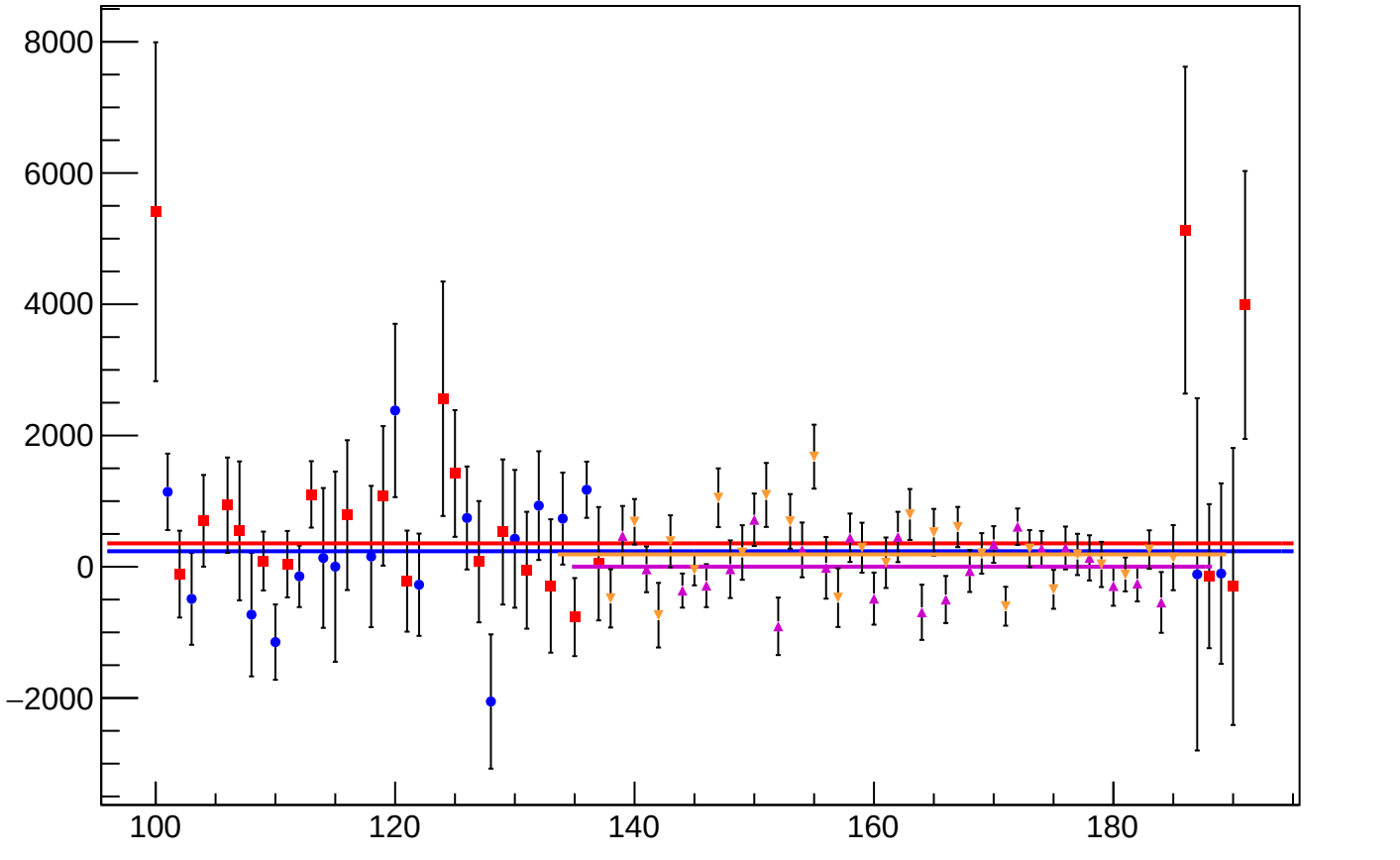
Right Out: 56.098+/-0.014 χ^2/NDF: 2043214.5/22

Left In: 45.017+/-0.008 χ^2/NDF:372690.8/22

+ sign 46.851+/-0.006 χ^2/NDF: 1741856.3/42

All: 47.186+/-0.005 χ^2/NDF: 4654027.5/88

- sign 47.534+/-0.007 χ^2/NDF: 2906754.5/45



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: 356.168+/-169.942 χ^2/NDF: 23.7/22

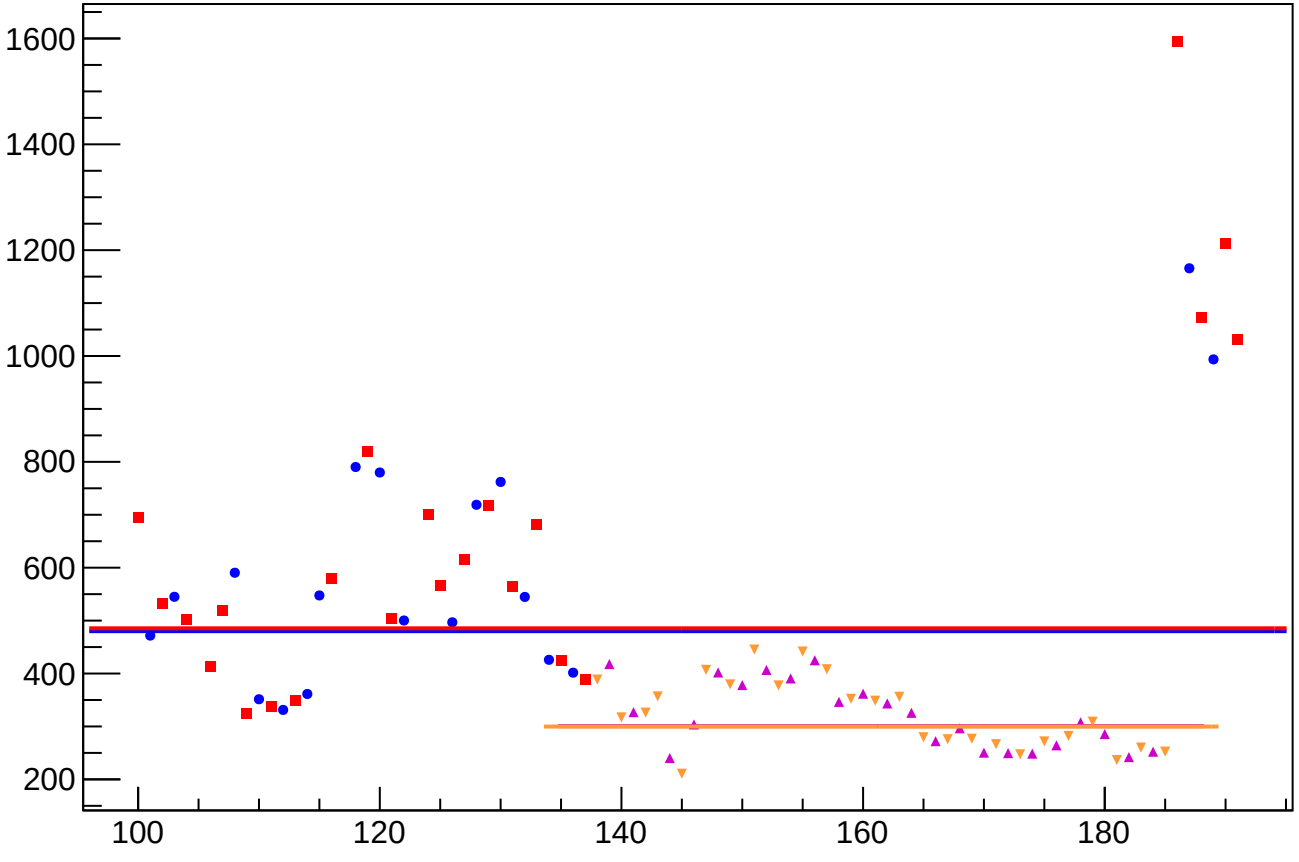
Left In: 1.655+/-71.712 χ^2/NDF:32.2/22

+ sign 195.077+/-64.957 χ^2/NDF: 72.5/42

All: 126.346+/-46.320 χ^2/NDF: 134.3/88

- sign 55.240+/-66.071 χ^2/NDF: 59.6/45

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: 485.429+/-0.120 χ^2/NDF: 2487707.6/22

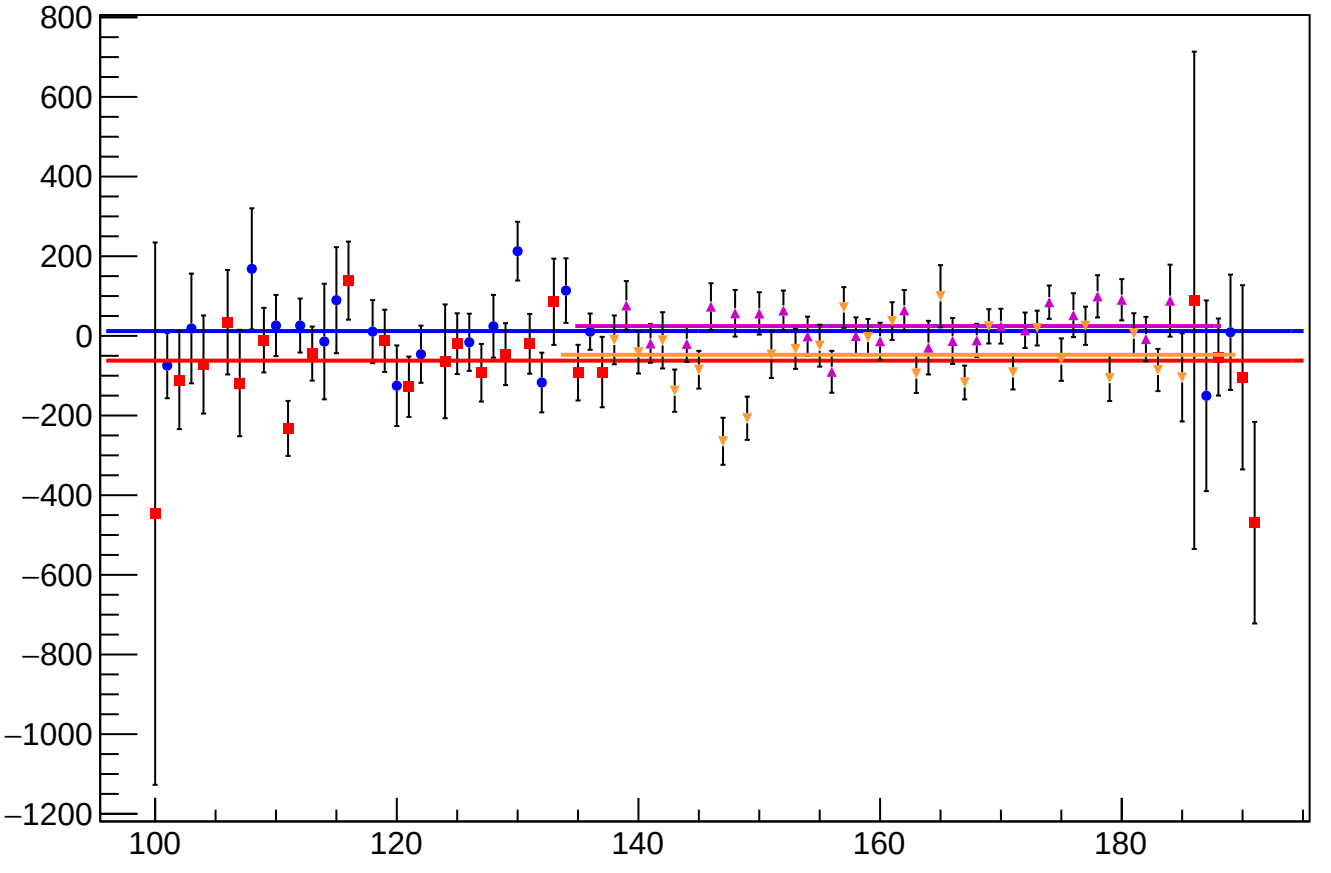
Left In: 300.544+/-0.051 χ^2/NDF:1259270.5/22

+ sign 323.557+/-0.046 χ^2/NDF: 4741160.8/42

All: 325.981+/-0.033 χ^2/NDF: 10503169.0/88

- sign 328.490+/-0.047 χ^2/NDF: 5756338.6/45

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: -62.176+/-19.663 χ^2/NDF: 18.8/22

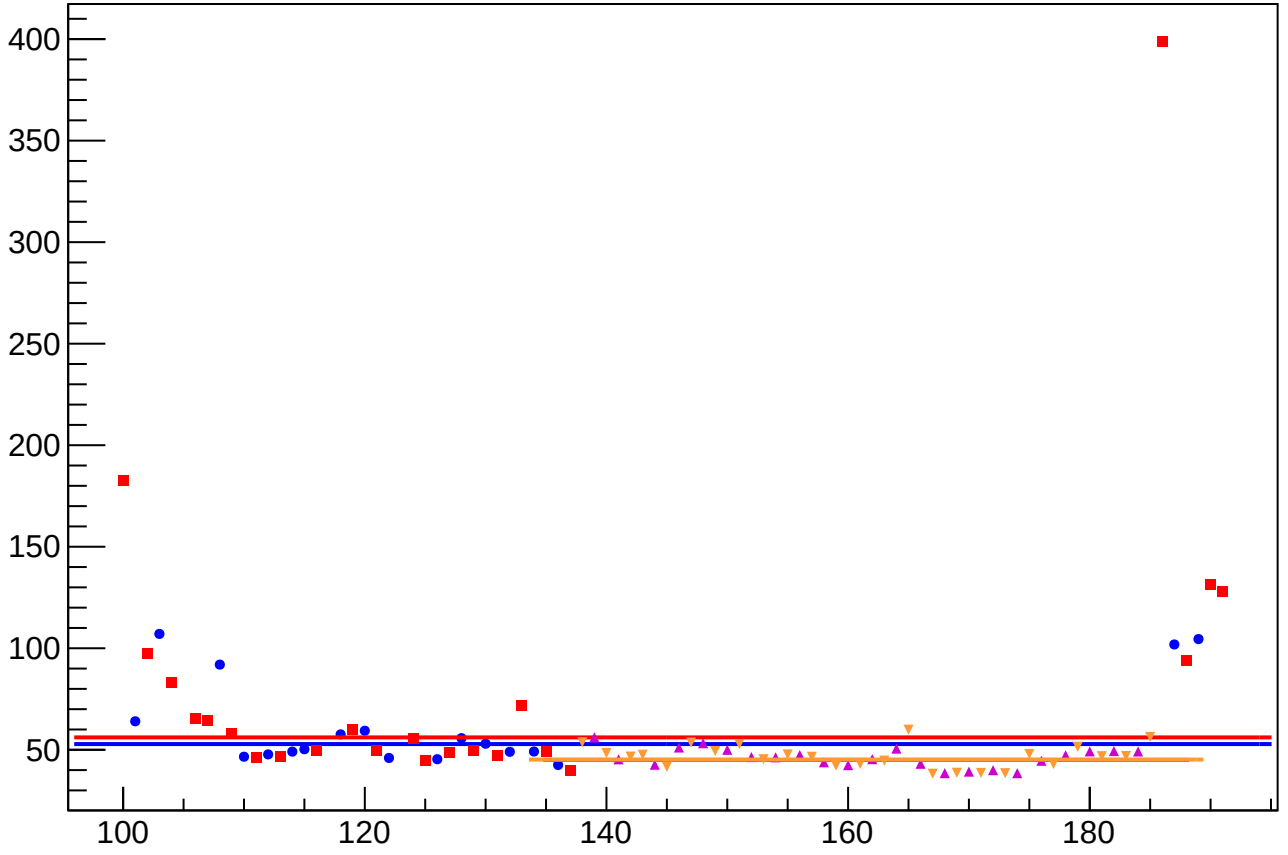
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

+ sign -34.407+/-9.181 χ^2/NDF: 79.6/42

All: -15.128+/-6.558 χ^2/NDF: 142.2/88

- sign 4.957+/-9.371 χ^2/NDF: 53.6/45

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

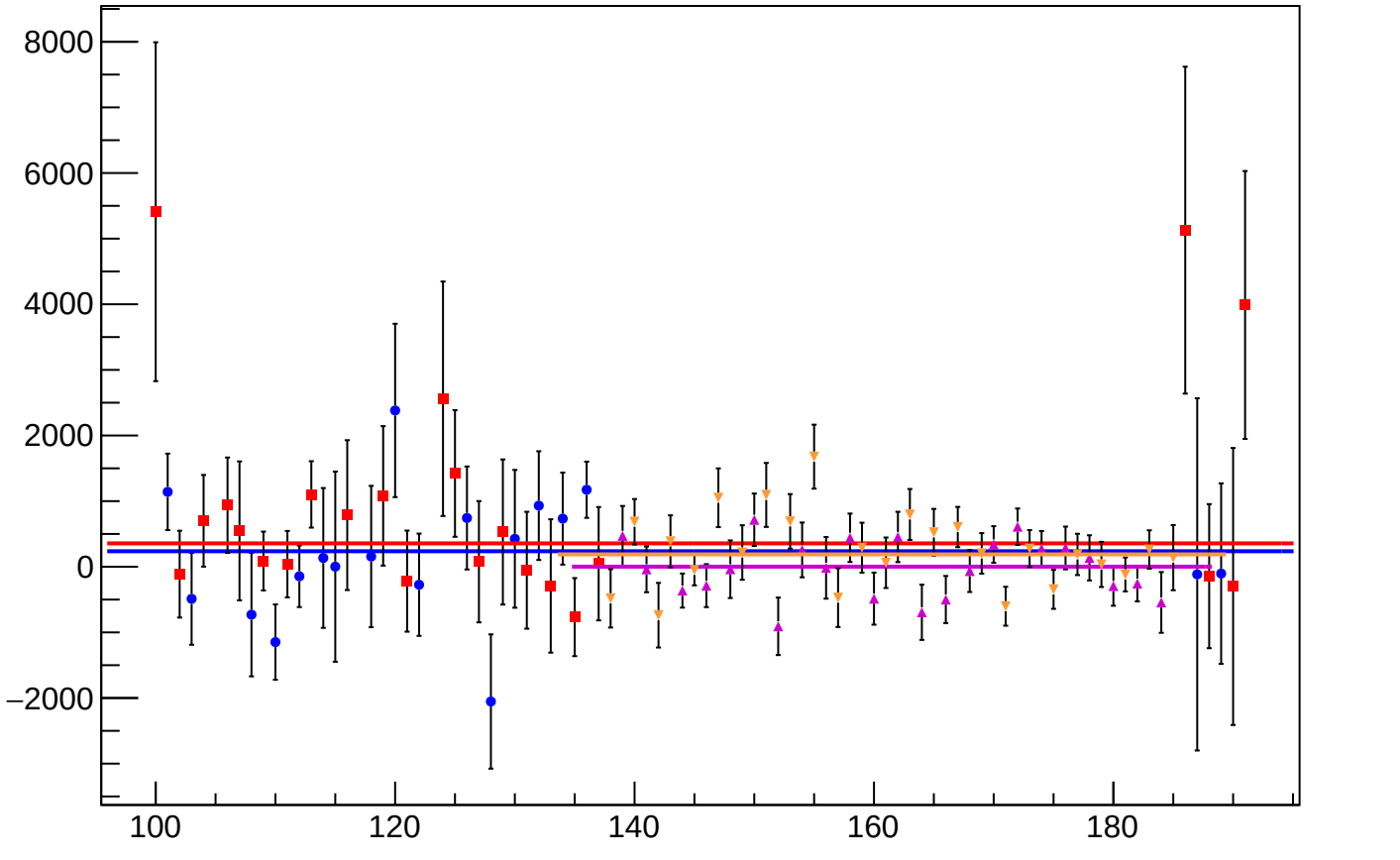
Right Out: 56.098+/-0.014 χ^2/NDF: 2043227.3/22

Left In: 45.017+/-0.008 χ^2/NDF:372691.9/22

+ sign 46.852+/-0.006 χ^2/NDF: 1741865.9/42

All: 47.186+/-0.005 χ^2/NDF: 4654052.2/88

- sign 47.534+/-0.007 χ^2/NDF: 2906769.1/45



Right In: 236.341+/-178.928 χ^2/NDF: 25.7/17

Left Out: 188.813+/-69.714 χ^2/NDF:46.8/24

Right Out: 356.168+/-169.942 χ^2/NDF: 23.7/22

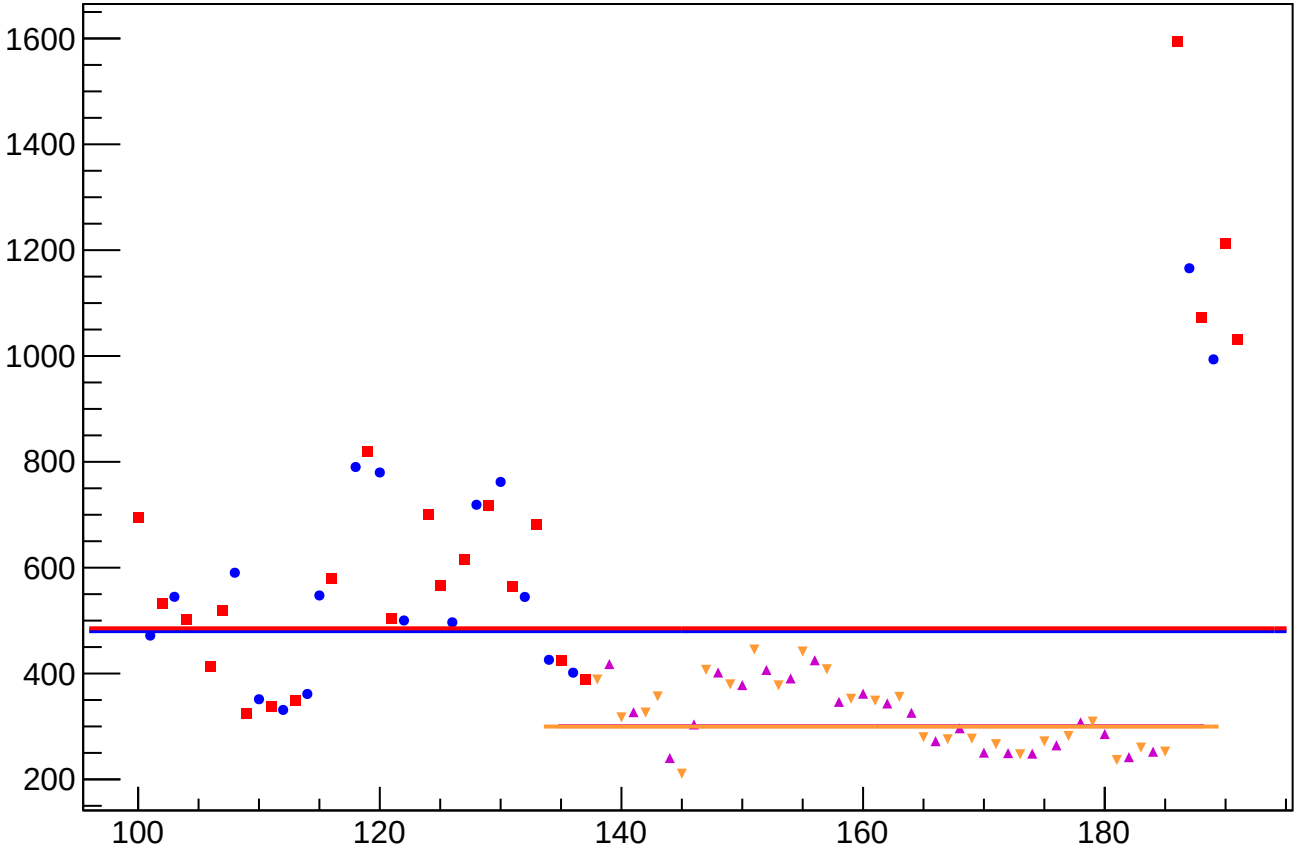
Left In: 1.654+/-71.712 χ^2/NDF:32.2/22

\+ sign 195.077+/-64.958 χ^2/NDF: 72.5/42

All: 126.346+/-46.320 χ^2/NDF: 134.3/88

\- sign 55.240+/-66.071 χ^2/NDF: 59.6/45

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug



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: 485.428+/-0.120 χ^2/NDF: 2487704.1/22

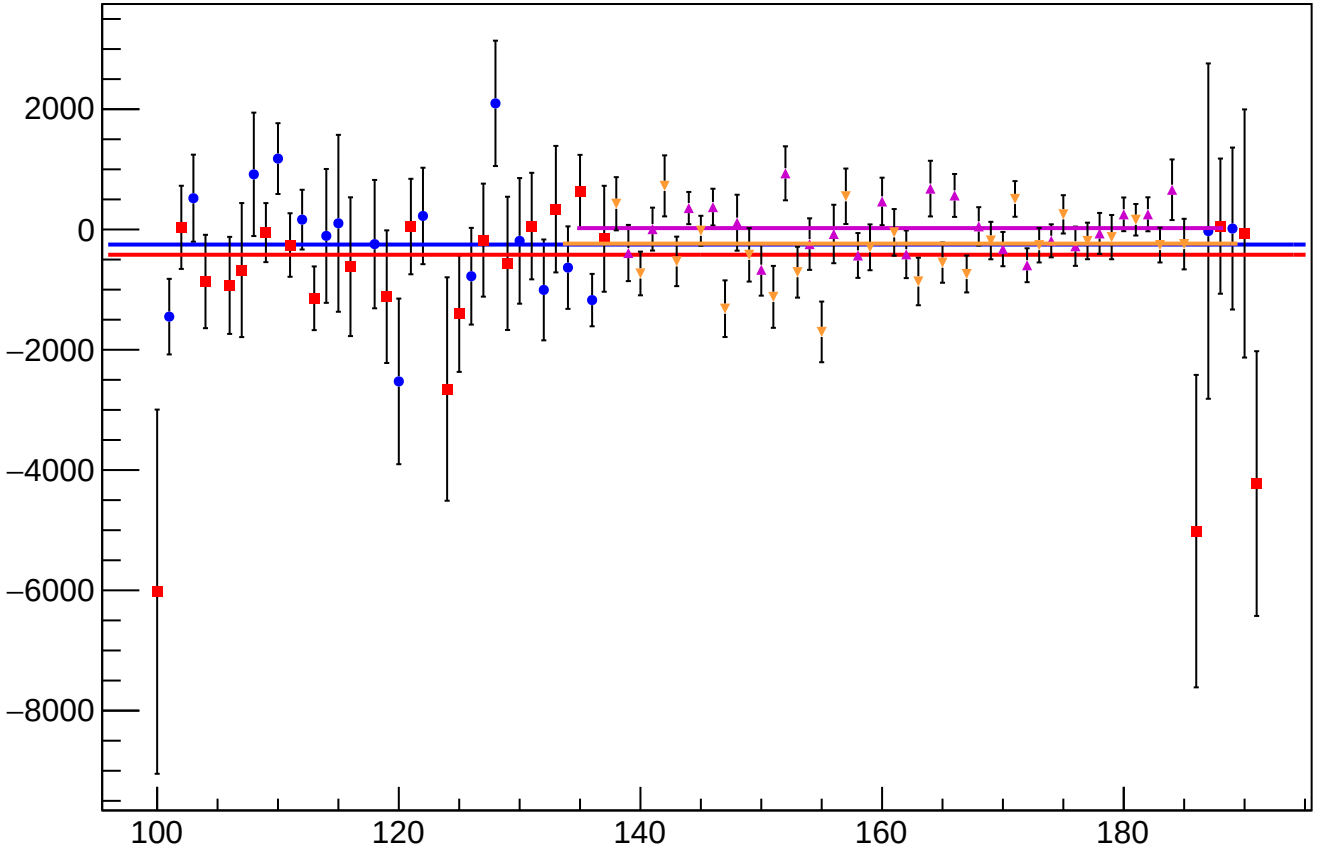
Left In: 300.544+/-0.051 χ^2/NDF:1259265.2/22

+ sign 323.557+/-0.046 χ^2/NDF: 4741148.4/42

All: 325.982+/-0.033 χ^2/NDF: 10503127.4/88

- sign 328.490+/-0.047 χ^2/NDF: 5756308.9/45

asym_sam_15_37_dd_mean vs Slug



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: -419.935+/-178.313 χ^2/NDF: 20.6/22

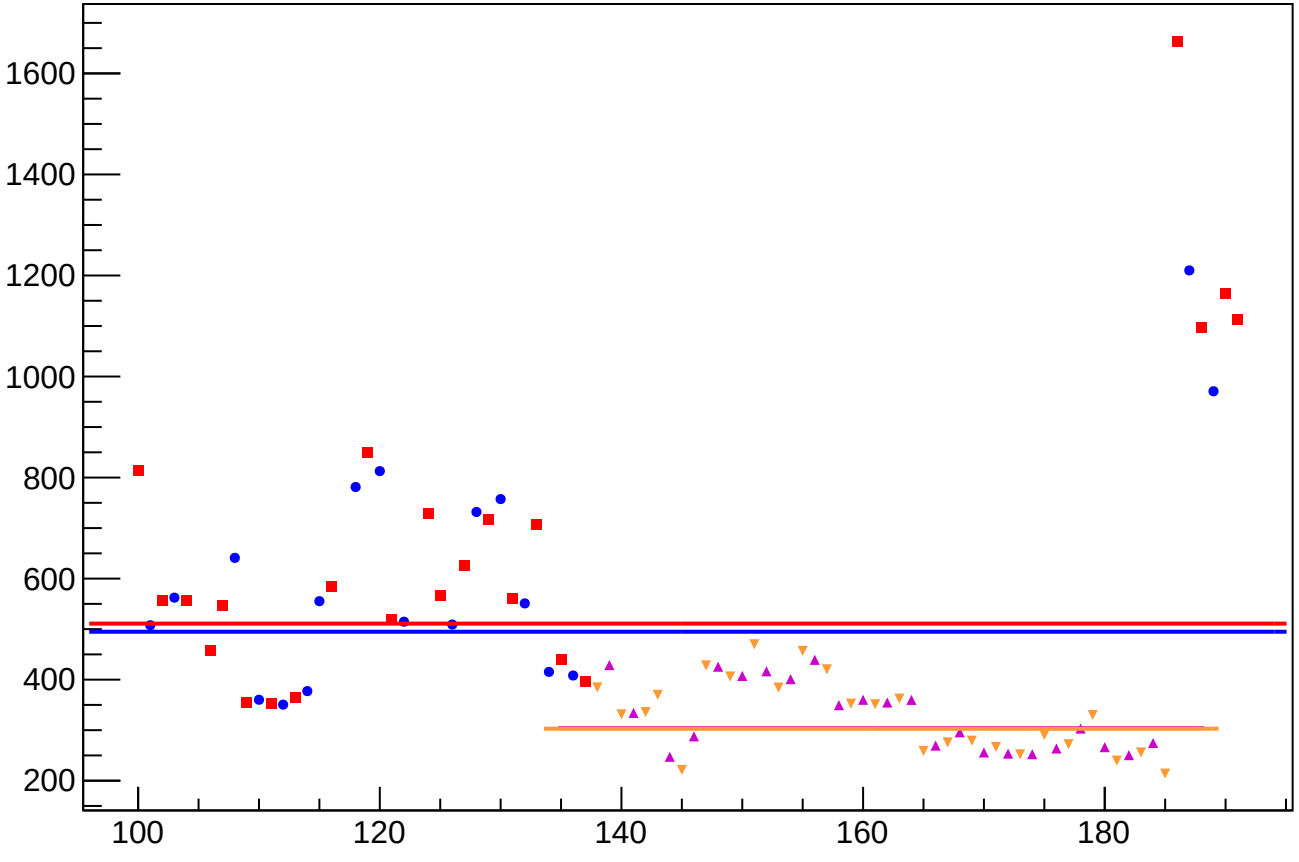
Left In: 22.662+/-72.642 χ^2/NDF:29.9/22

+ sign -237.155+/-66.043 χ^2/NDF: 74.4/42

All: -140.563+/-47.129 χ^2/NDF: 134.5/88

- sign -40.337+/-67.274 χ^2/NDF: 55.7/45

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

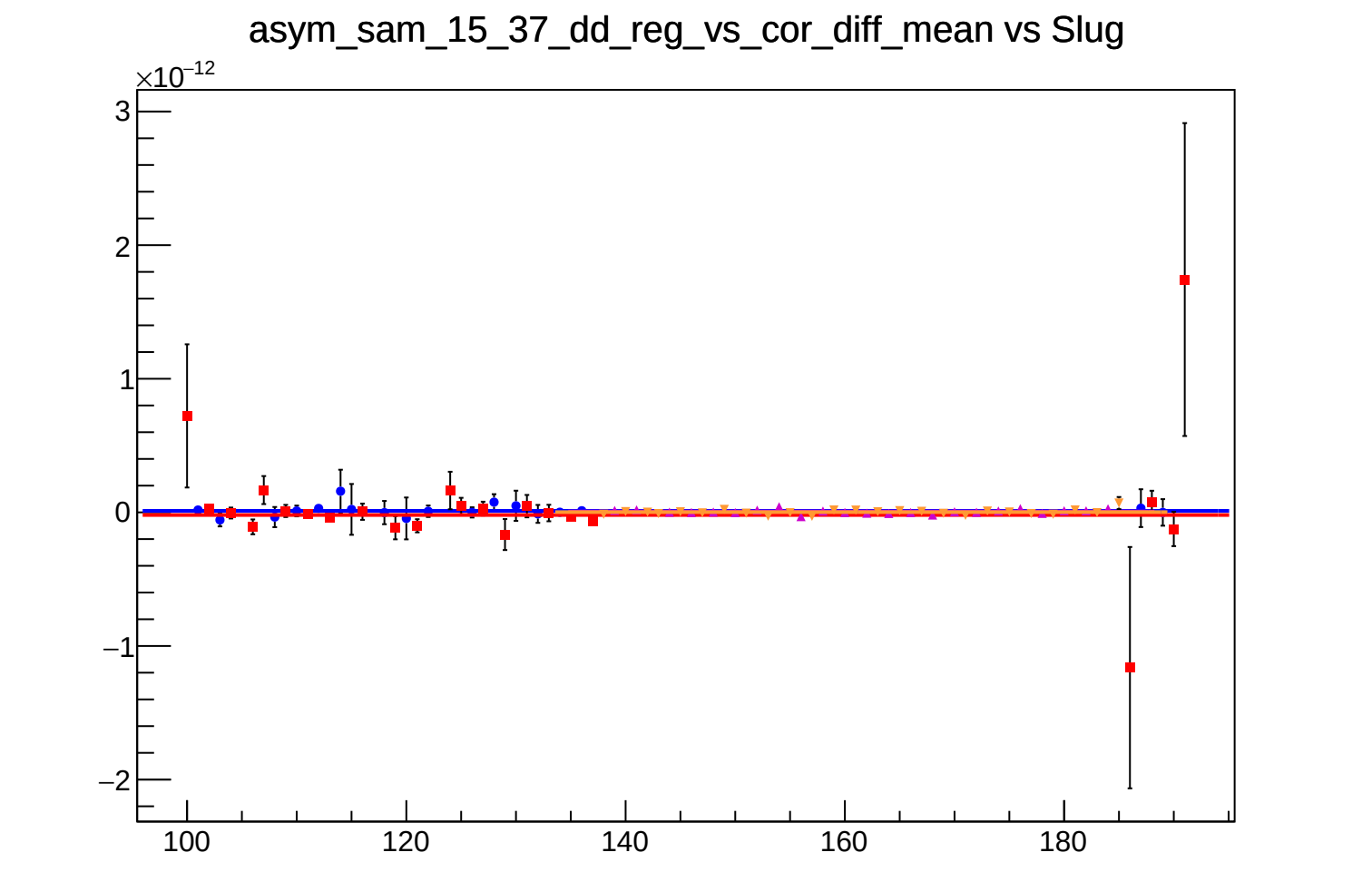
Right Out: 510.930+/-0.126 χ^2/NDF: 2338282.8/22

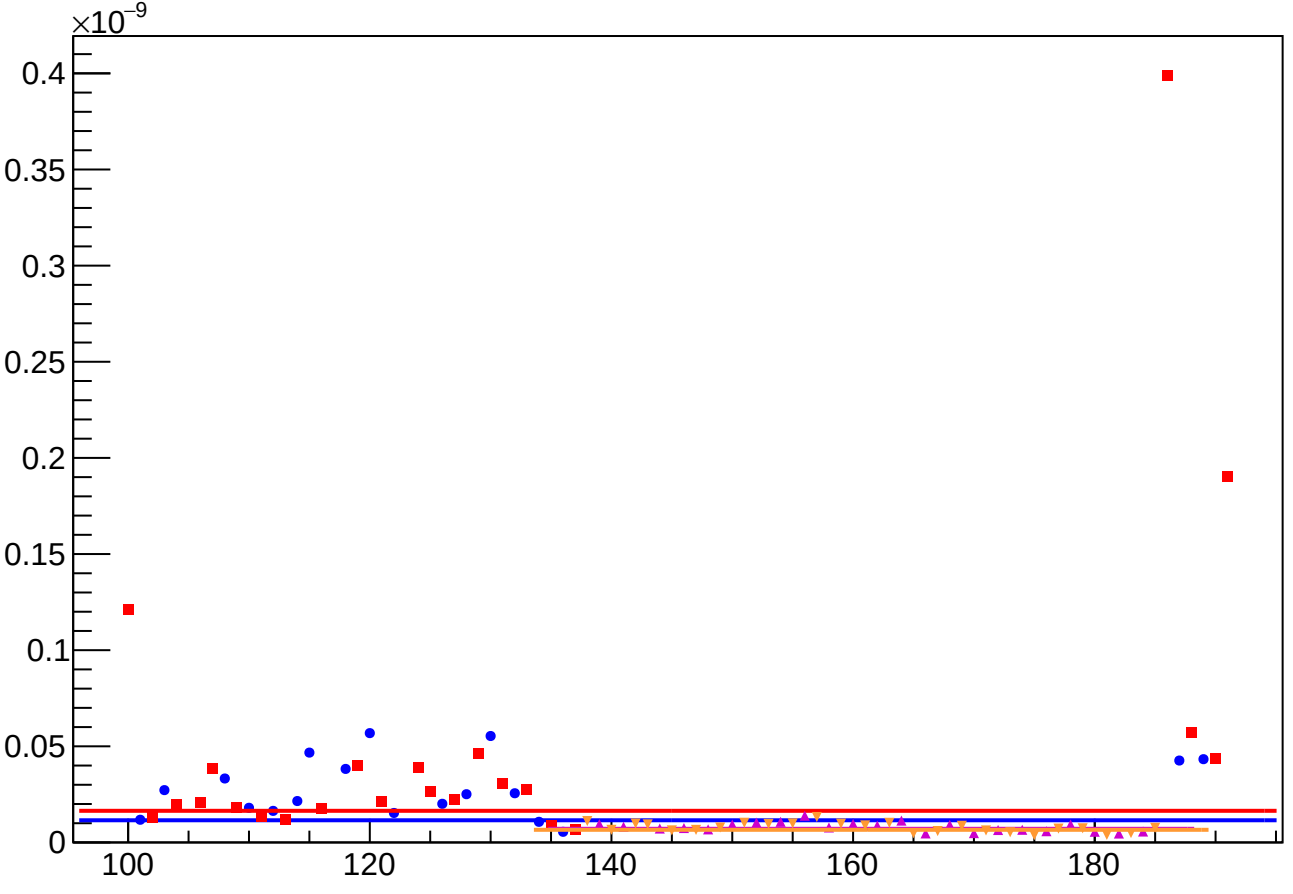
Left In: 303.923+/-0.051 χ^2/NDF:1376278.3/22

+ sign 327.587+/-0.047 χ^2/NDF: 4993059.8/42

All: 330.434+/-0.033 χ^2/NDF: 11027006.7/88

- sign 333.389+/-0.048 χ^2/NDF: 6026373.0/45


asym_sam_15_37_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
0
−1
−2
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 5.5/17
Left Out: 0.000+/-0.000 χ²/NDF:22.9/24
Right Out: -0.000+/-0.000 χ²/NDF: 29.6/22
Left In: 0.000+/-0.000 χ²/NDF:18.2/22
+ sign 0.000+/-0.000 χ²/NDF: 29.6/42
All: 0.000+/-0.000 χ²/NDF: 83.6/88
- sign 0.000+/-0.000 χ²/NDF: 53.8/45



Right In: 0.000+/-0.000 χ^2/NDF: 2407064.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:1479029.9/24

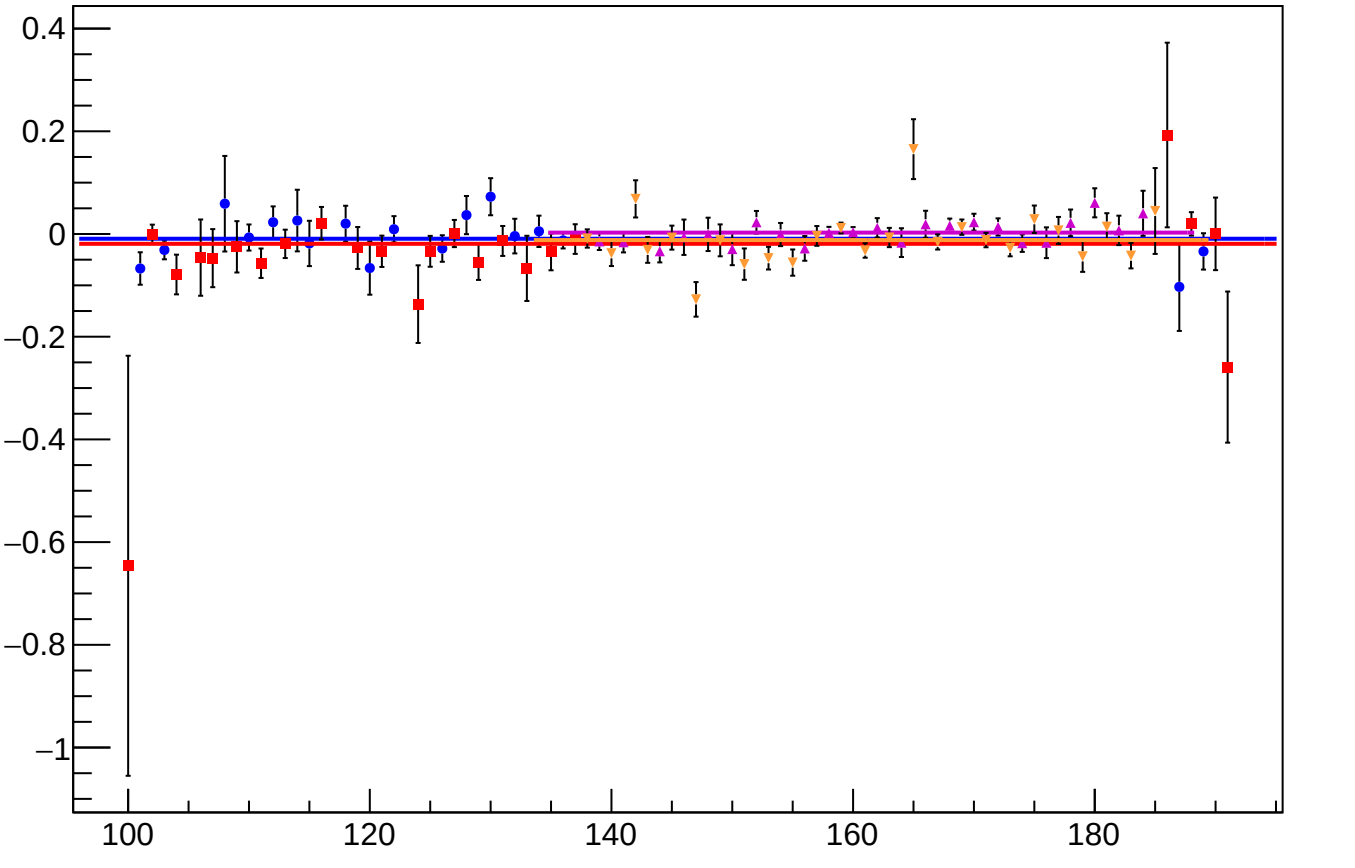
Right Out: 0.000+/-0.000 χ^2/NDF: 2167482.8/22

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: 9387704.7/88

- sign 0.000+/-0.000 χ^2/NDF: 4727042.0/45



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: 22.0/22

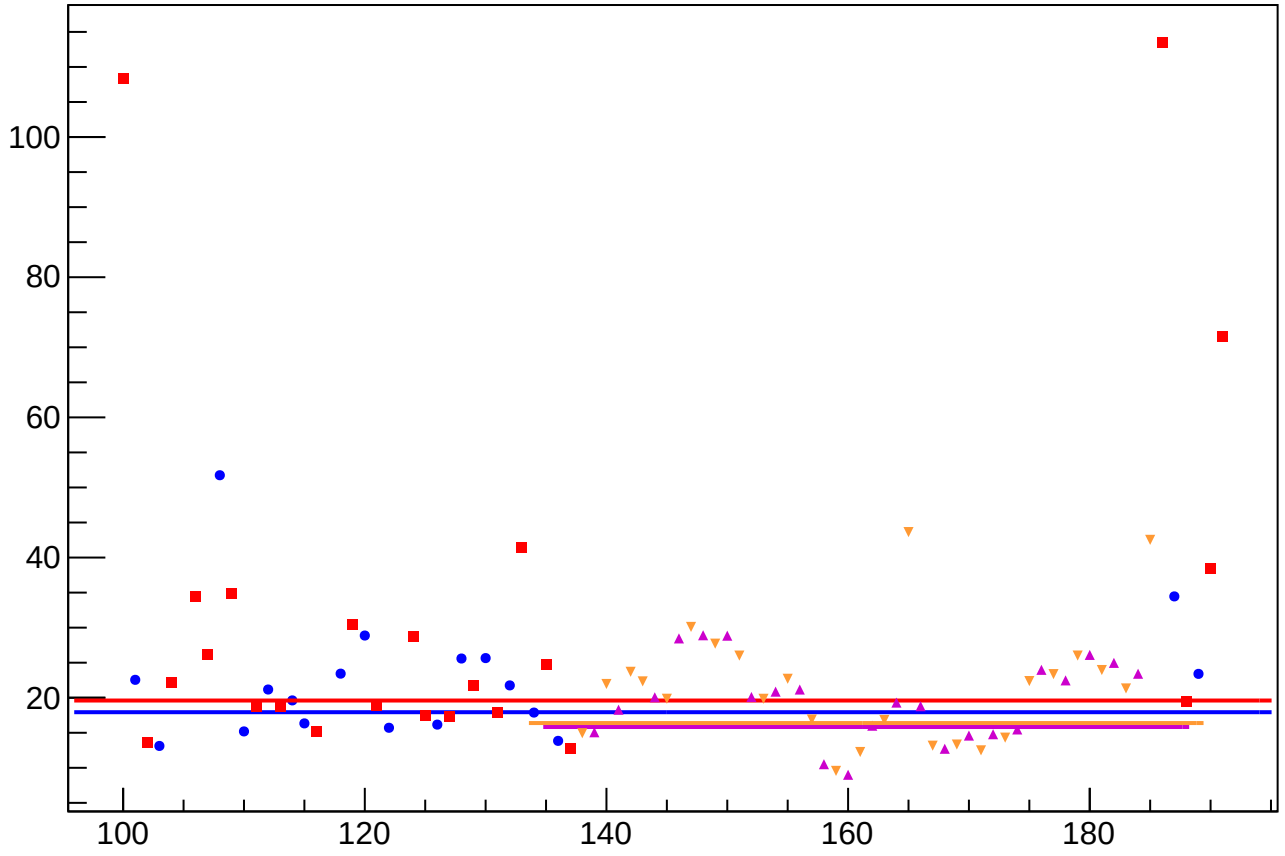
Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.011+/-0.004 χ^2/NDF: 72.0/42

All: -0.007+/-0.002 χ^2/NDF: 123.7/88

- sign -0.002+/-0.004 χ^2/NDF: 48.6/45

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

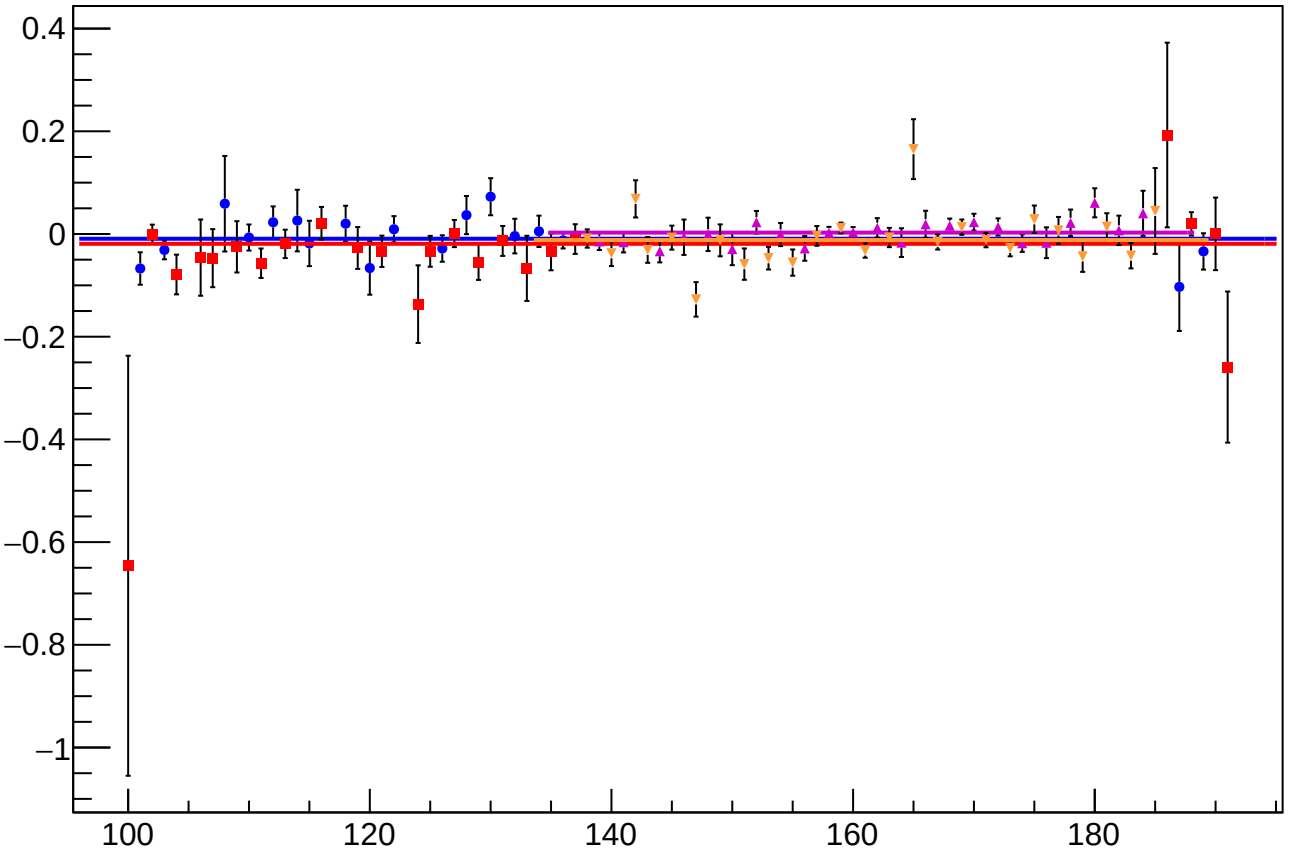
Right Out: 19.602+/-0.005 χ^2/NDF: 2193524.6/22

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

+ sign 16.775+/-0.002 χ^2/NDF: 5222393.0/42

All: 16.744+/-0.002 χ^2/NDF: 11482730.4/88

- sign 16.714+/-0.002 χ^2/NDF: 6260033.8/45



Right In: -0.009+/-0.007 χ^2/NDF: 18.5/17

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

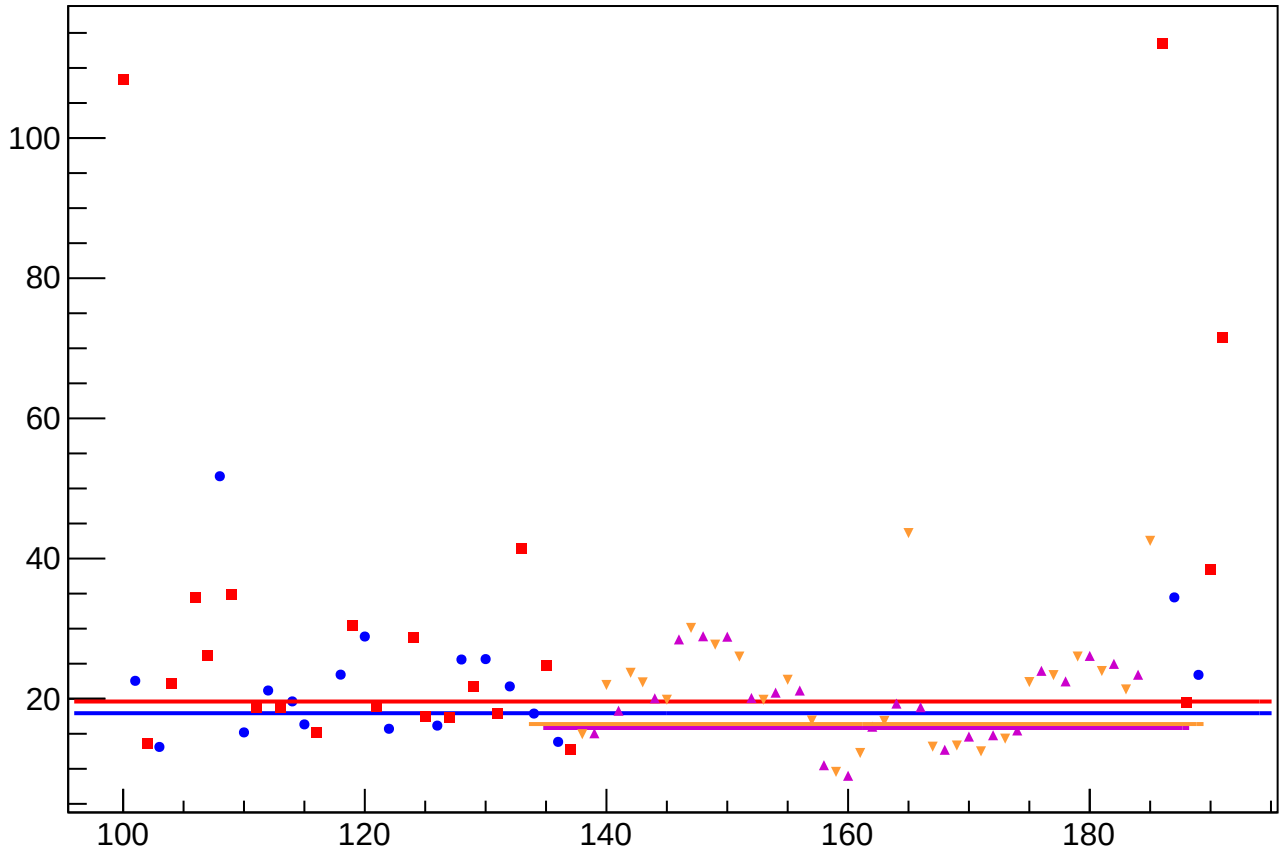
Right Out: -0.019+/-0.007 χ^2/NDF: 22.0/22

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: 123.7/88

- sign -0.002+/-0.004 χ^2/NDF: 48.6/45



Right In: 17.934+/-0.005 χ^2/NDF: 1119828.7/17

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

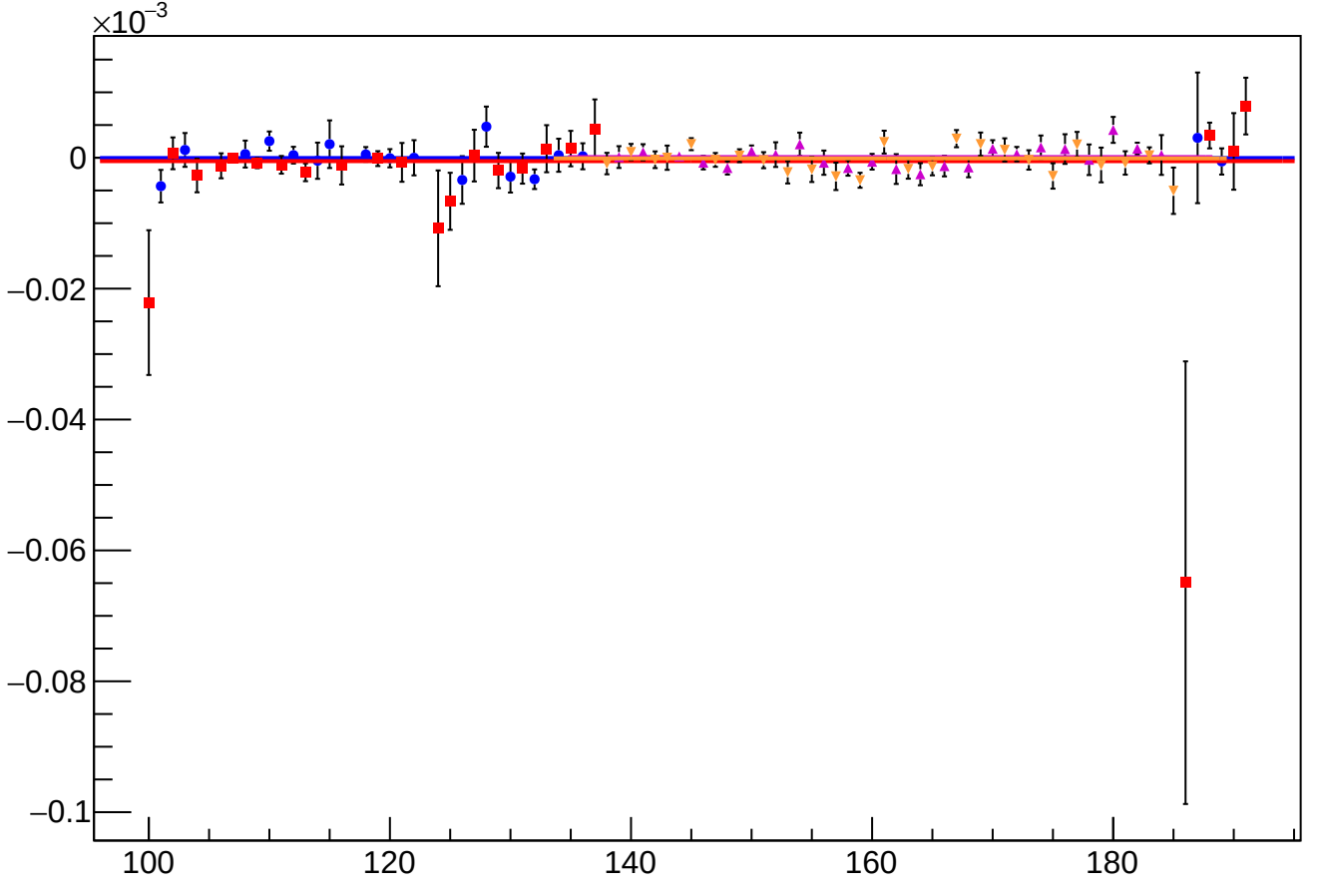
Right Out: 19.602+/-0.005 χ^2/NDF: 2193524.6/22

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

+ sign 16.775+/-0.002 χ^2/NDF: 5222393.0/42

All: 16.744+/-0.002 χ^2/NDF: 11482730.4/88

- sign 16.714+/-0.002 χ^2/NDF: 6260033.8/45



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: 24.6/22

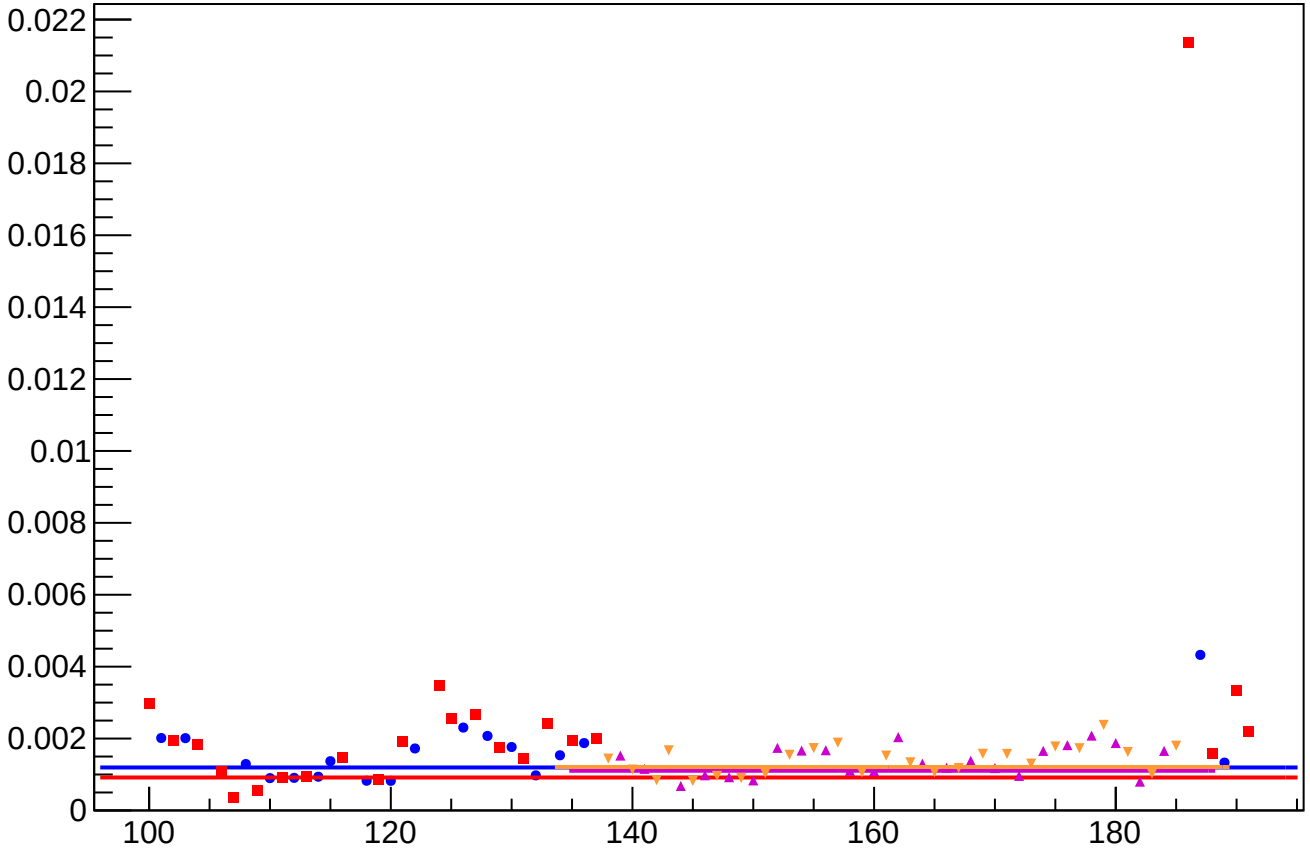
Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.8/42

All: -0.000+/-0.000 χ^2/NDF: 101.1/88

- sign -0.000+/-0.000 χ^2/NDF: 48.3/45

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 2036105.2/17

Left Out: 0.001+/-0.000 χ^2/NDF:2720984.6/24

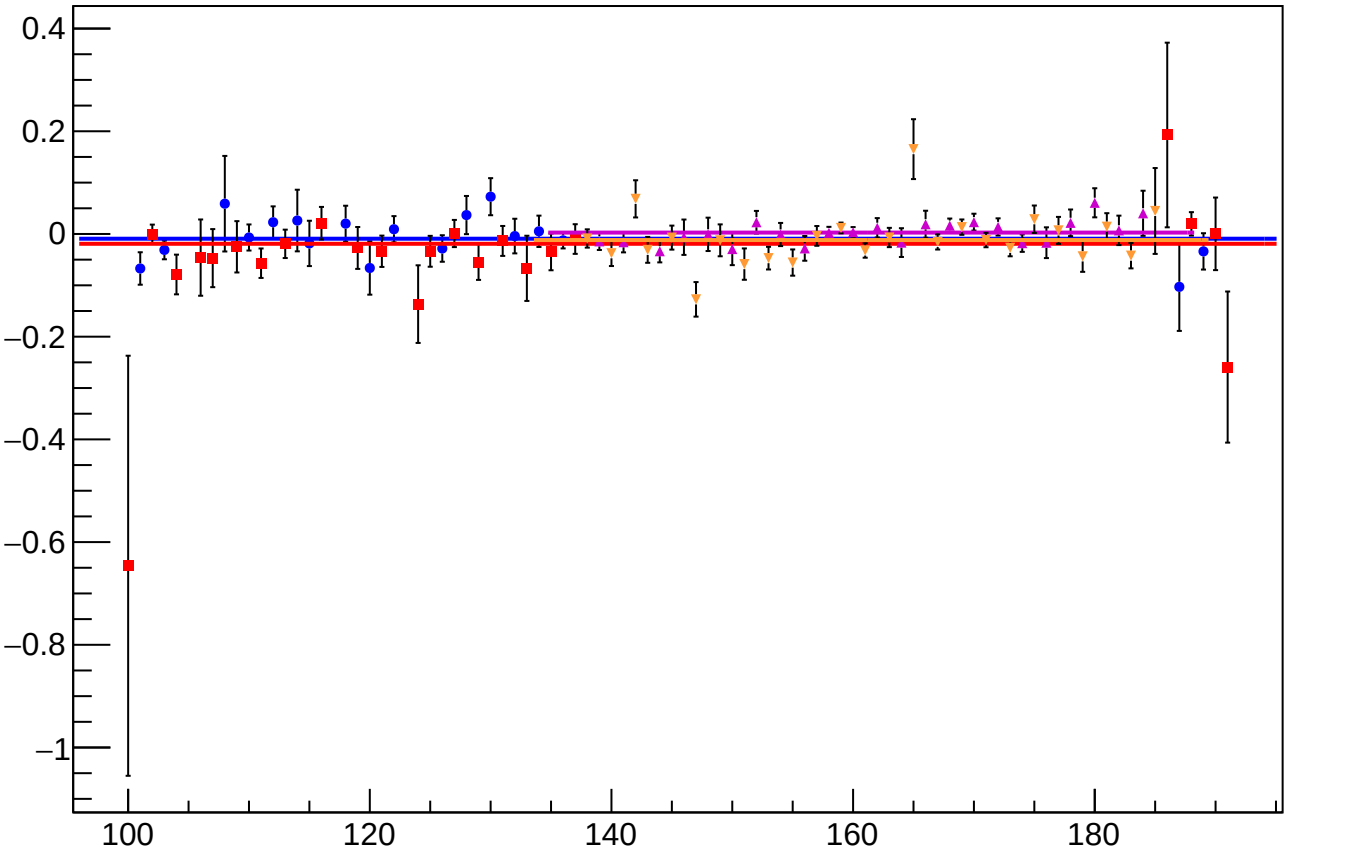
Right Out: 0.001+/-0.000 χ^2/NDF: 5940522.1/22

Left In: 0.001+/-0.000 χ^2/NDF:3494983.4/22

+ sign 0.001+/-0.000 χ^2/NDF: 4758095.3/42

All: 0.001+/-0.000 χ^2/NDF: 15029766.9/88

- sign 0.001+/-0.000 χ^2/NDF: 9763294.2/45



Right In: -0.009+/-0.007 χ^2/NDF: 18.4/17

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

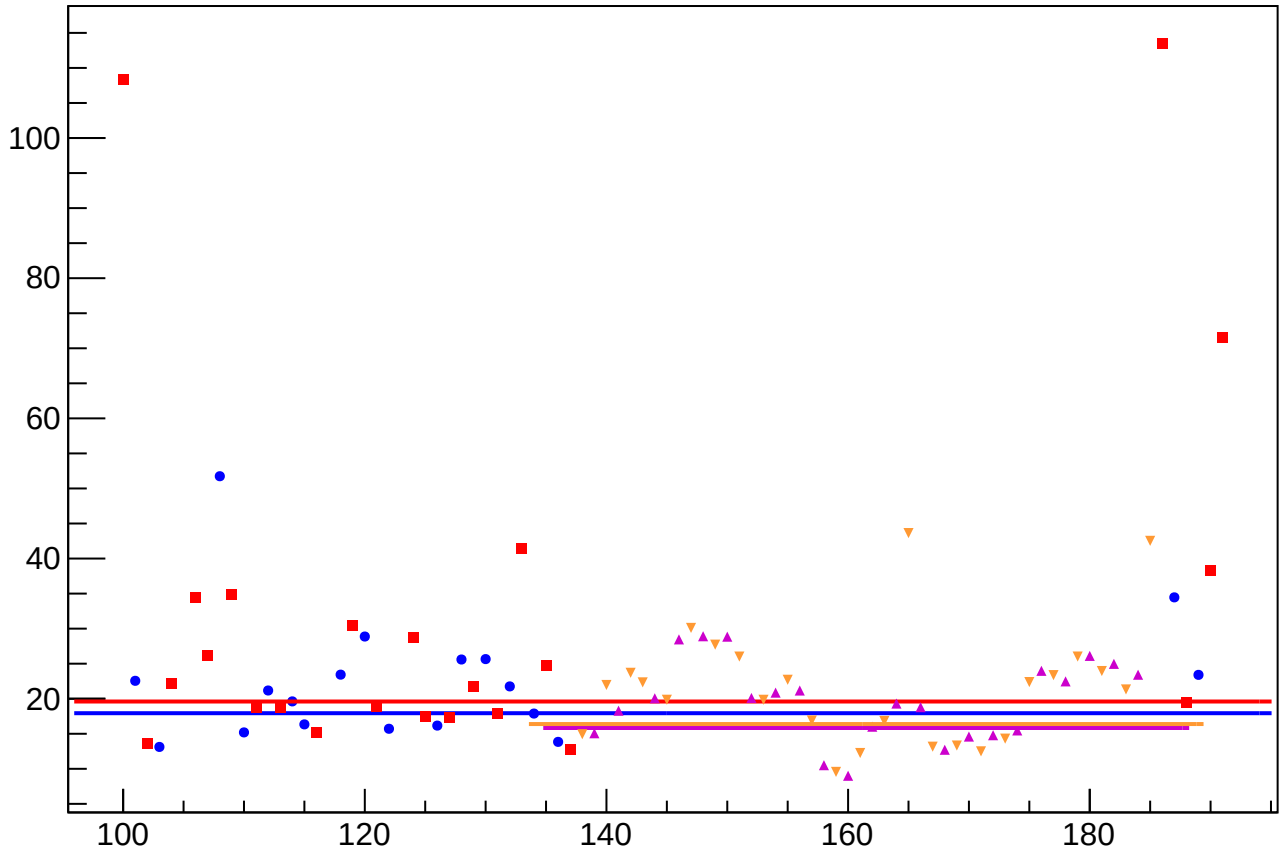
Right Out: -0.019+/-0.007 χ^2/NDF: 22.0/22

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: 123.7/88

- sign -0.002+/-0.004 χ^2/NDF: 48.6/45



Right In: 17.935+/-0.005 χ^2/NDF: 1119888.7/17

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

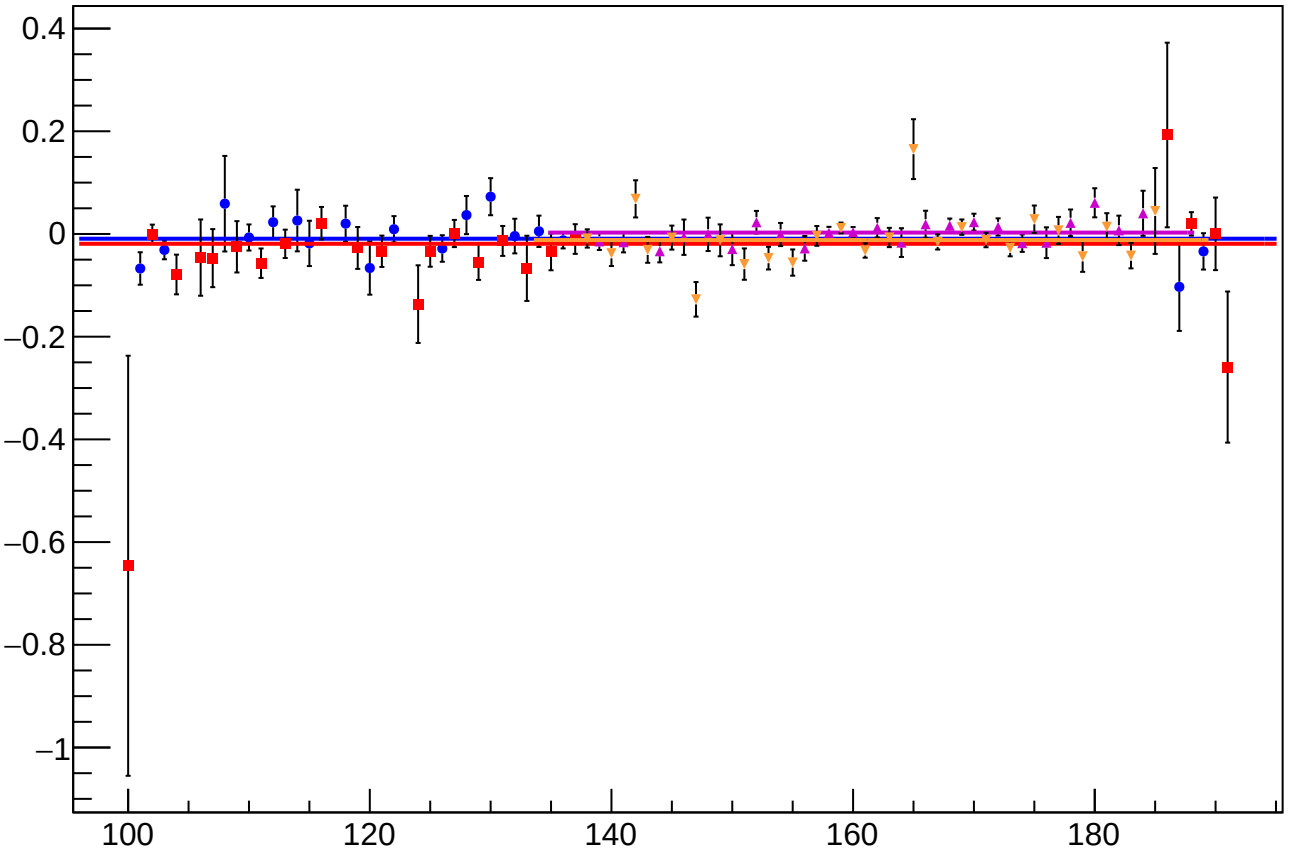
Right Out: 19.602+/-0.005 χ^2/NDF: 2193398.9/22

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

+ sign 16.775+/-0.002 χ^2/NDF: 5222727.2/42

All: 16.744+/-0.002 χ^2/NDF: 11483462.2/88

- sign 16.714+/-0.002 χ^2/NDF: 6260431.5/45



Right In: -0.009+/-0.007 χ^2/NDF: 18.4/17

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

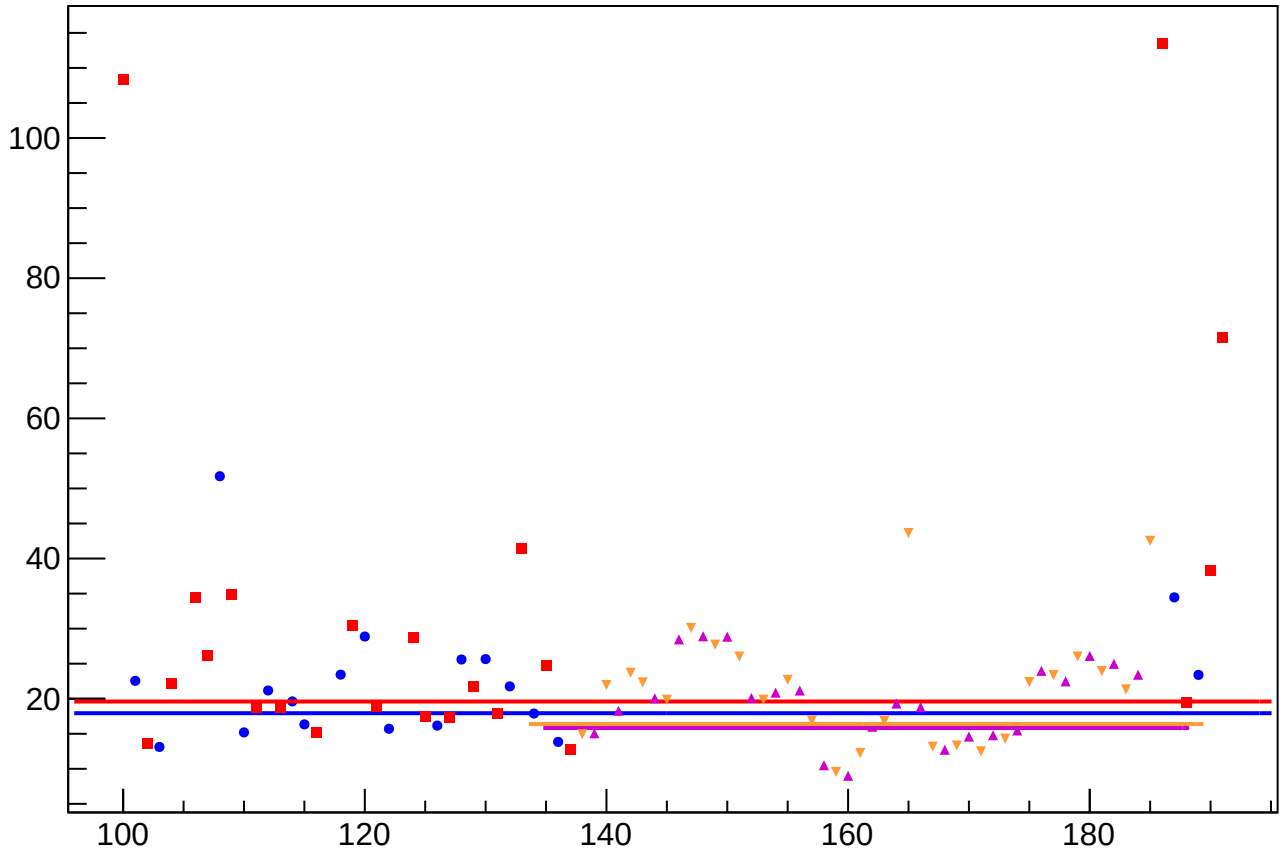
Right Out: -0.019+/-0.007 χ^2/NDF: 22.0/22

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: 123.7/88

- sign -0.002+/-0.004 χ^2/NDF: 48.6/45



Right In: 17.935+/-0.005 χ^2/NDF: 1119888.7/17

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

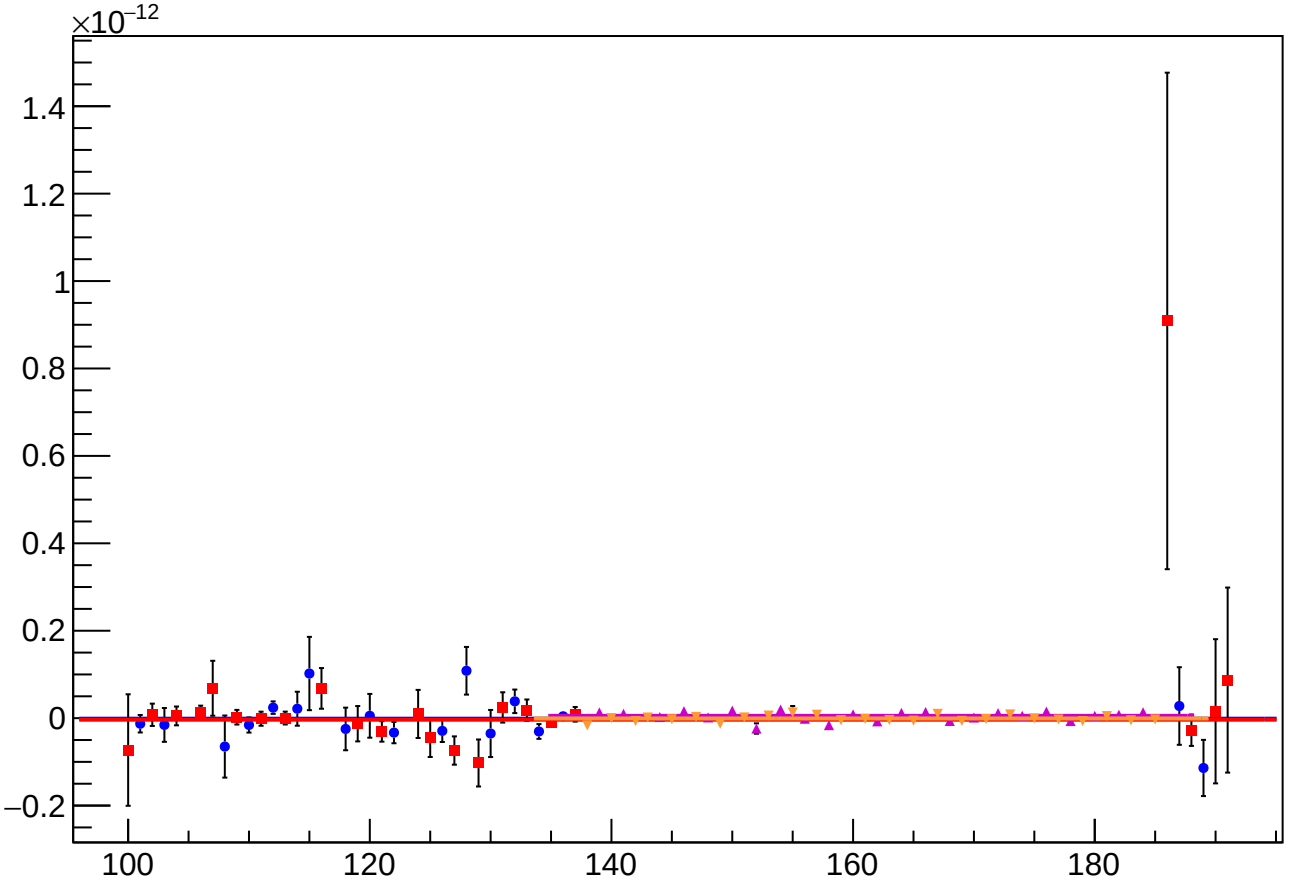
Right Out: 19.602+/-0.005 χ^2/NDF: 2193398.9/22

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

+ sign 16.775+/-0.002 χ^2/NDF: 5222727.2/42

All: 16.744+/-0.002 χ^2/NDF: 11483462.2/88

- sign 16.714+/-0.002 χ^2/NDF: 6260431.5/45



Right In: -0.000+/-0.000 χ^2/NDF: 23.5/17

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/24

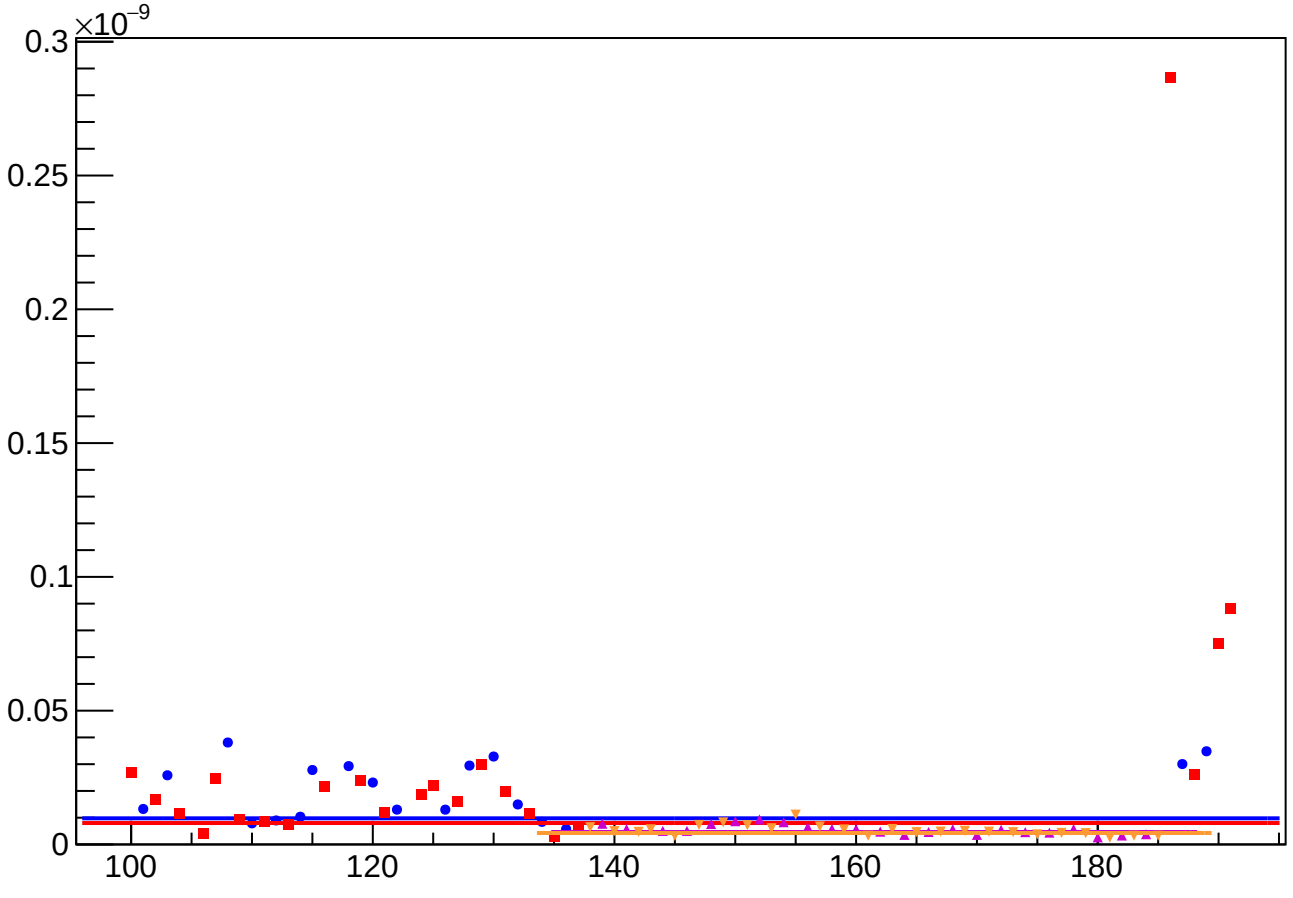
Right Out: -0.000+/-0.000 χ^2/NDF: 22.4/22

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: 114.9/88

- sign 0.000+/-0.000 χ^2/NDF: 63.9/45



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: 4702348.7/22

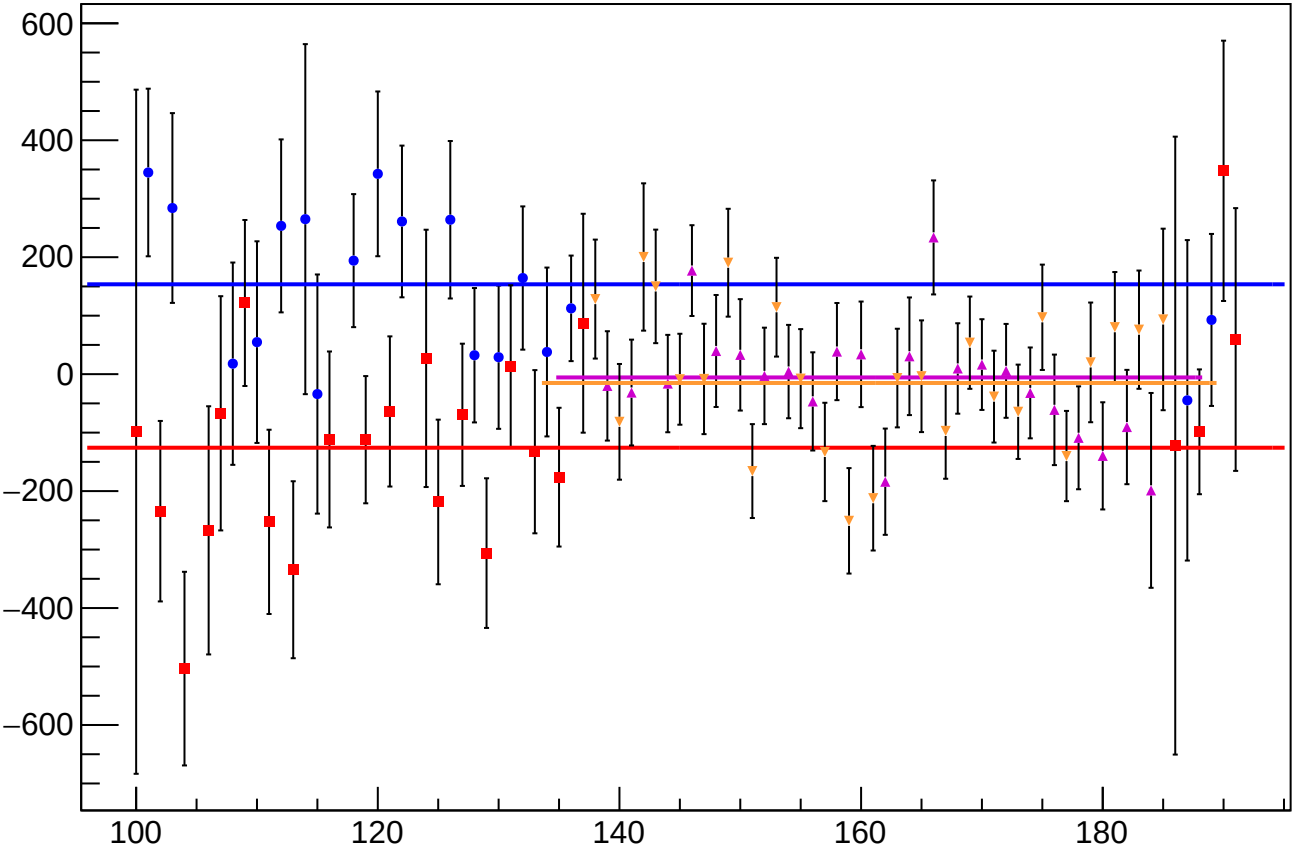
Left In: 0.000+/-0.000 χ^2/NDF:2508440.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 7851317.8/42

All: 0.000+/-0.000 χ^2/NDF: 16168602.8/88

- sign 0.000+/-0.000 χ^2/NDF: 8245274.0/45

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: -125.826+/-31.852 χ^2/NDF: 23.0/22

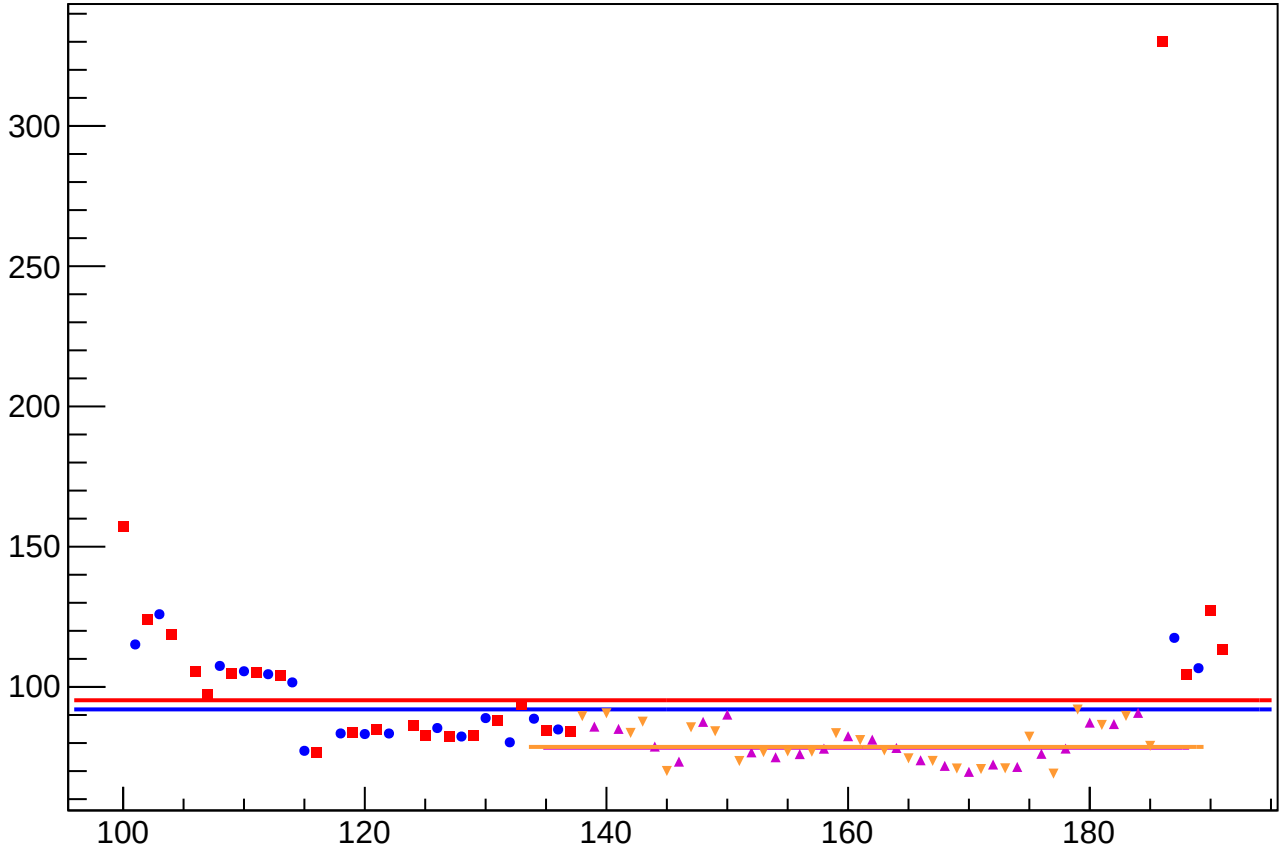
Left In: -5.629+/-18.382 χ^2/NDF:23.0/22

+ sign 23.378+/-15.777 χ^2/NDF: 73.6/42

All: -5.873+/-11.207 χ^2/NDF: 137.2/88

- sign -35.658+/-15.921 χ^2/NDF: 56.6/45

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

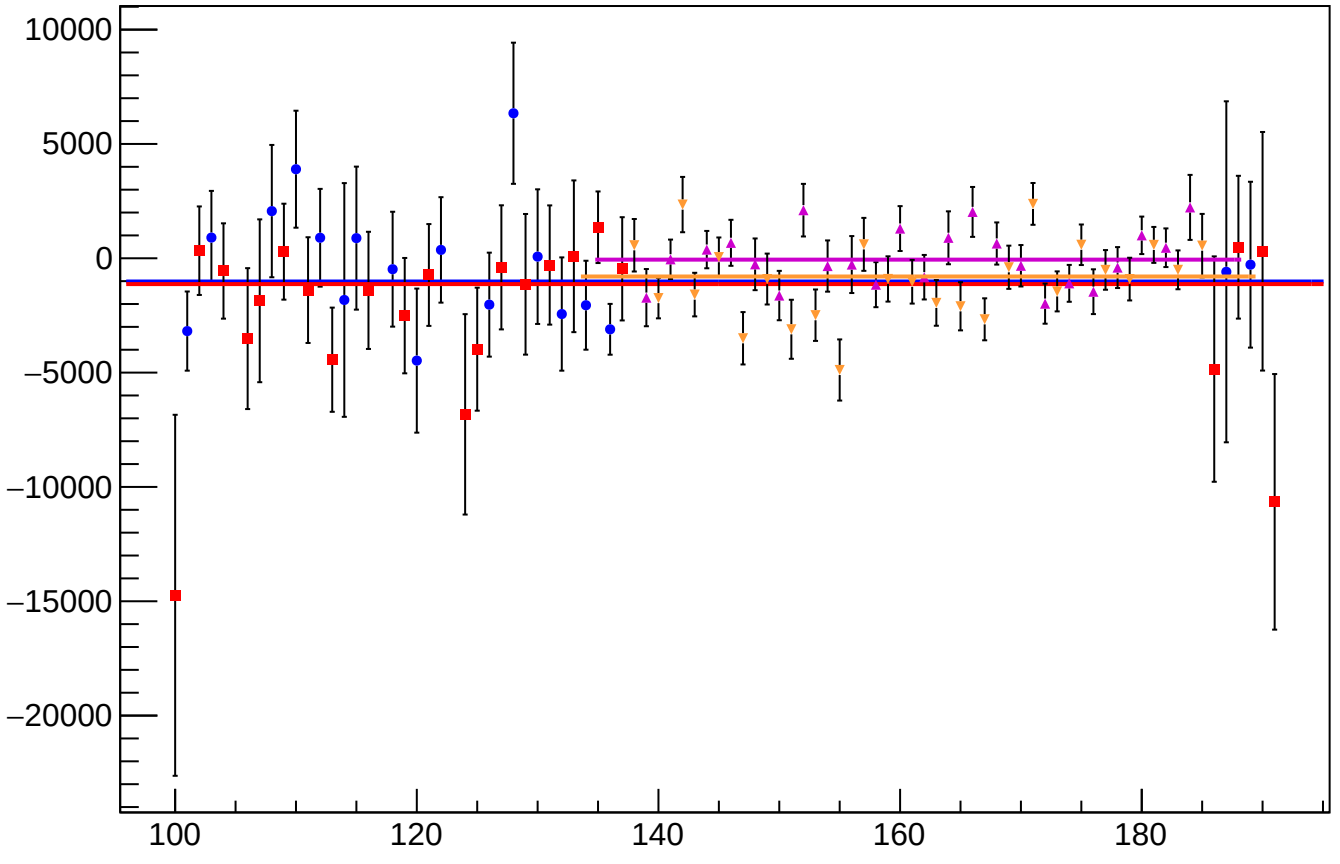
Right Out: 95.253+/-0.023 χ^2/NDF: 783054.5/22

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 81.668+/-0.011 χ^2/NDF: 872664.8/42

All: 82.110+/-0.008 χ^2/NDF: 2291333.2/88

- sign 82.561+/-0.011 χ^2/NDF: 1415490.0/45



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: -1129.093+/-550.326 χ^2/NDF: 16.7/22

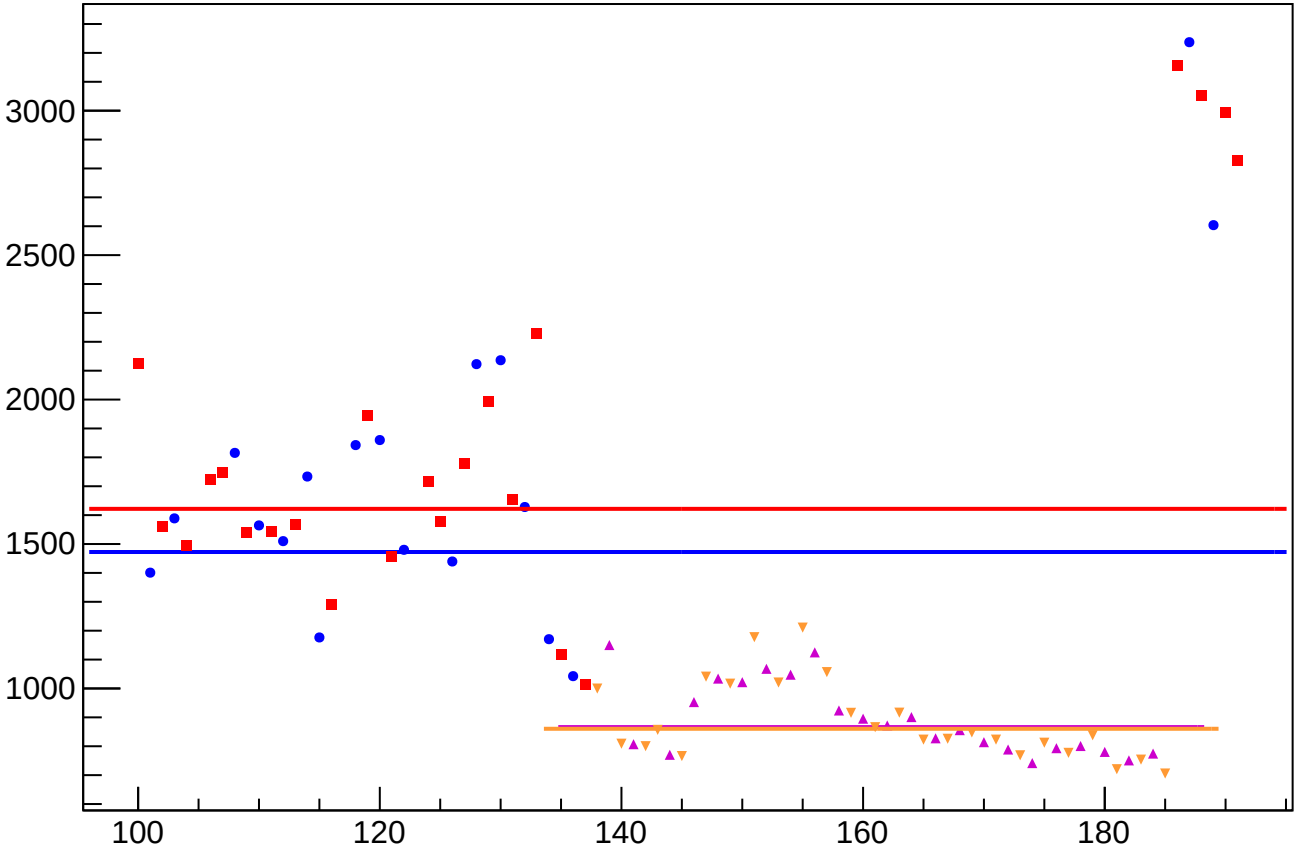
Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -822.690+/-185.904 χ^2/NDF: 79.9/42

All: -515.568+/-133.436 χ^2/NDF: 136.0/88

- sign -189.199+/-191.641 χ^2/NDF: 50.5/45

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: 1621.747+/-0.389 χ^2/NDF: 1408376.4/22

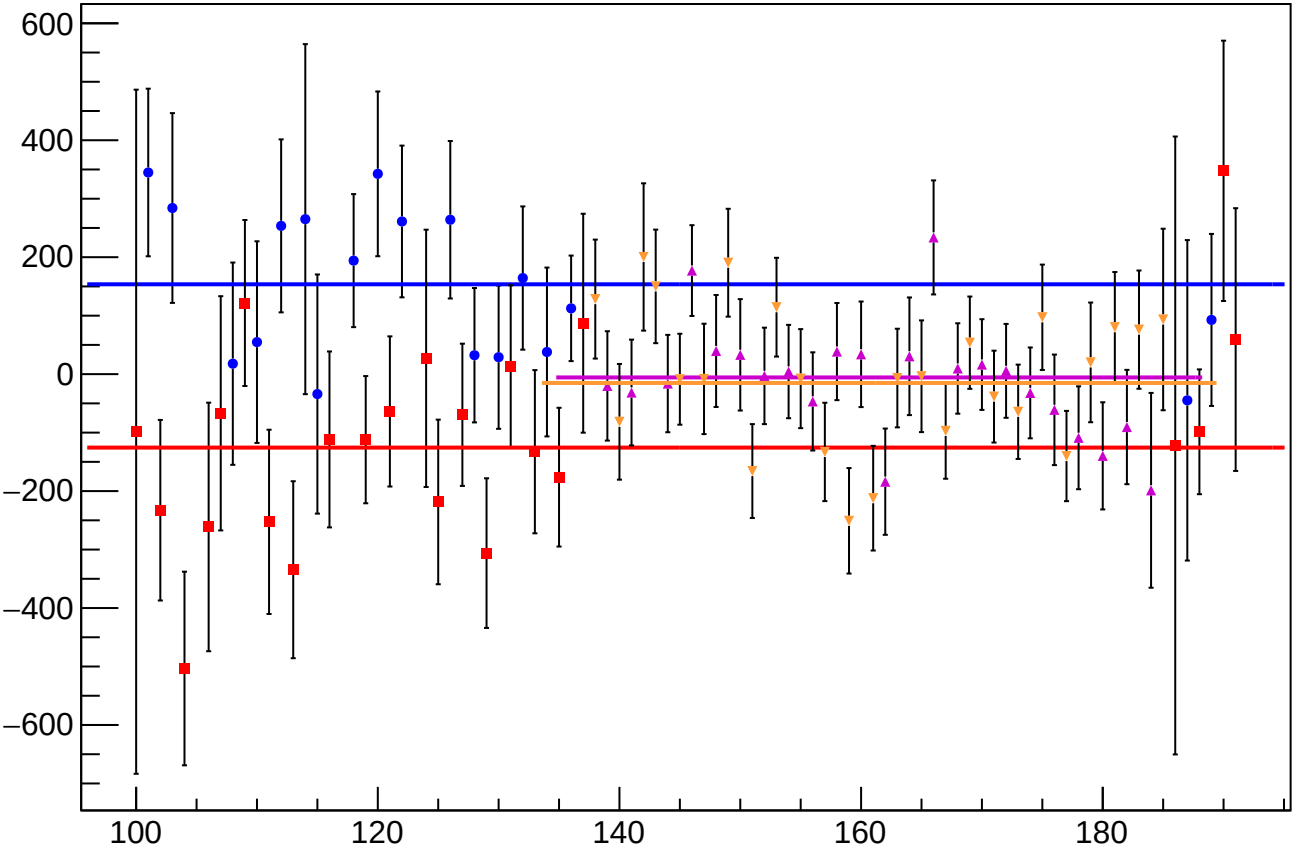
Left In: 866.351+/-0.145 χ^2/NDF:613257.7/22

+ sign 932.335+/-0.131 χ^2/NDF: 3935156.1/42

All: 944.755+/-0.094 χ^2/NDF: 9286495.6/88

- sign 957.955+/-0.136 χ^2/NDF: 5332924.1/45

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: -125.604+/-31.854 χ^2/NDF: 22.9/22

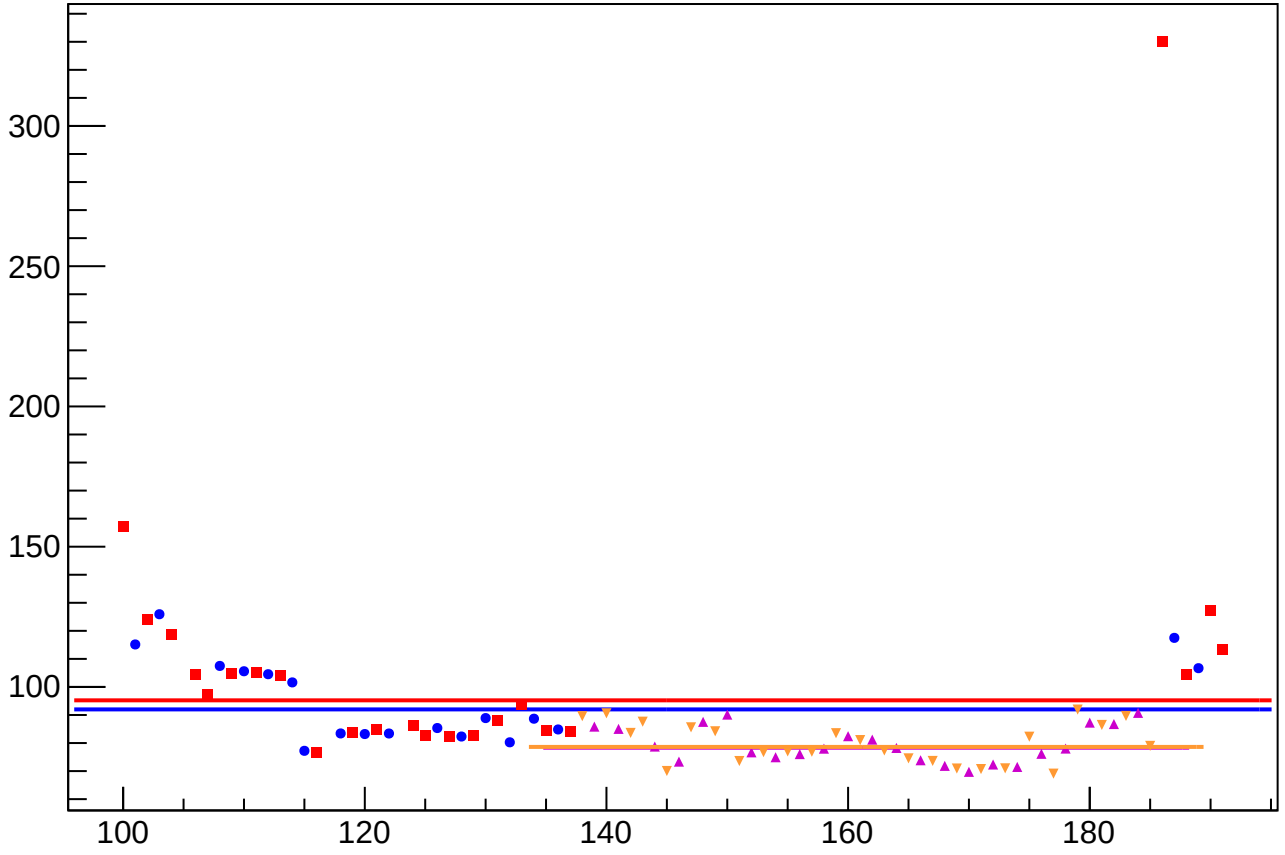
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

+ sign 23.379+/-15.777 χ^2/NDF: 73.6/42

All: -5.842+/-11.207 χ^2/NDF: 137.0/88

- sign -35.598+/-15.921 χ^2/NDF: 56.5/45

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

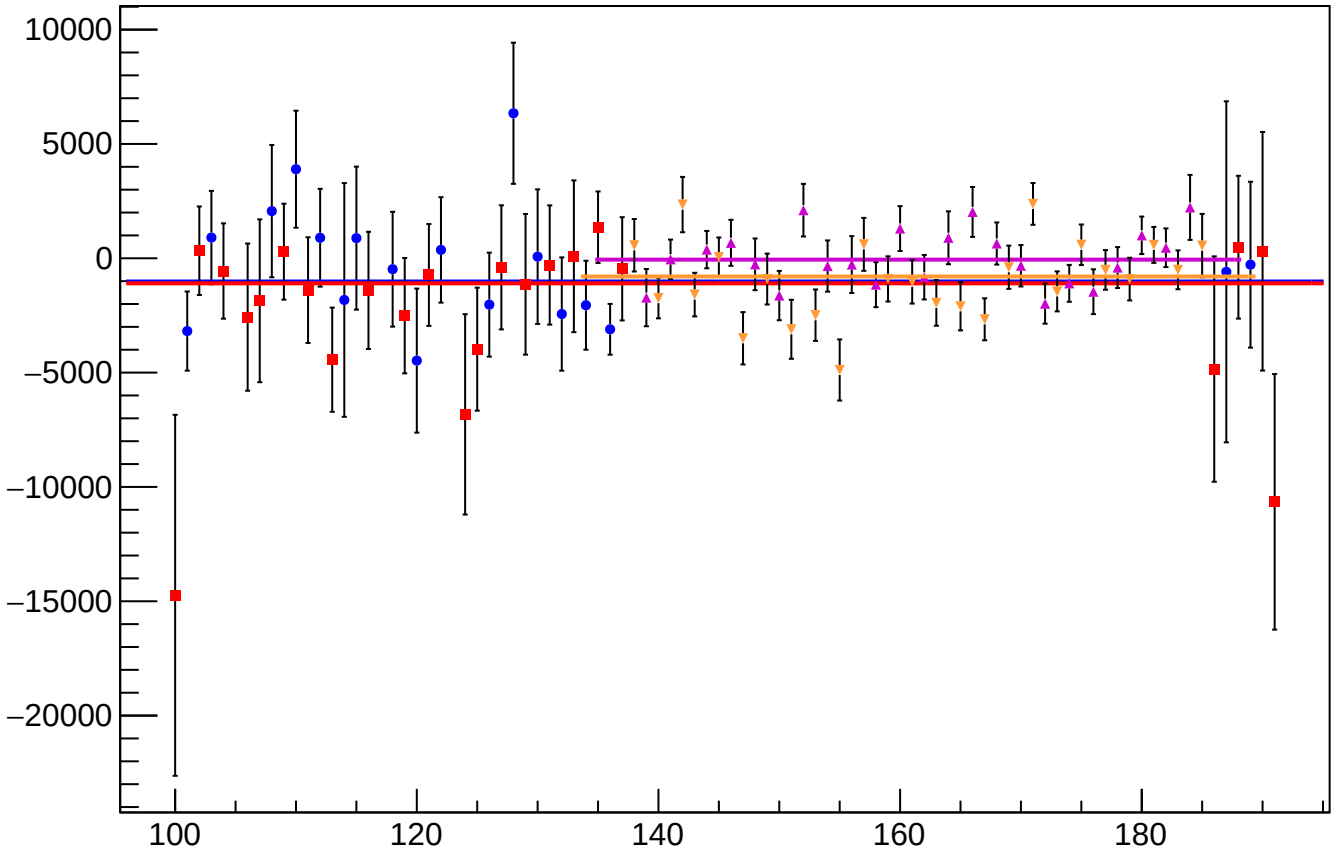
Right Out: 95.225+/-0.023 χ^2/NDF: 782140.0/22

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 81.668+/-0.011 χ^2/NDF: 872666.8/42

All: 82.107+/-0.008 χ^2/NDF: 2288917.2/88

- sign 82.554+/-0.011 χ^2/NDF: 1413124.6/45



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: -1095.507+/-551.084 χ^2/NDF: 16.3/22

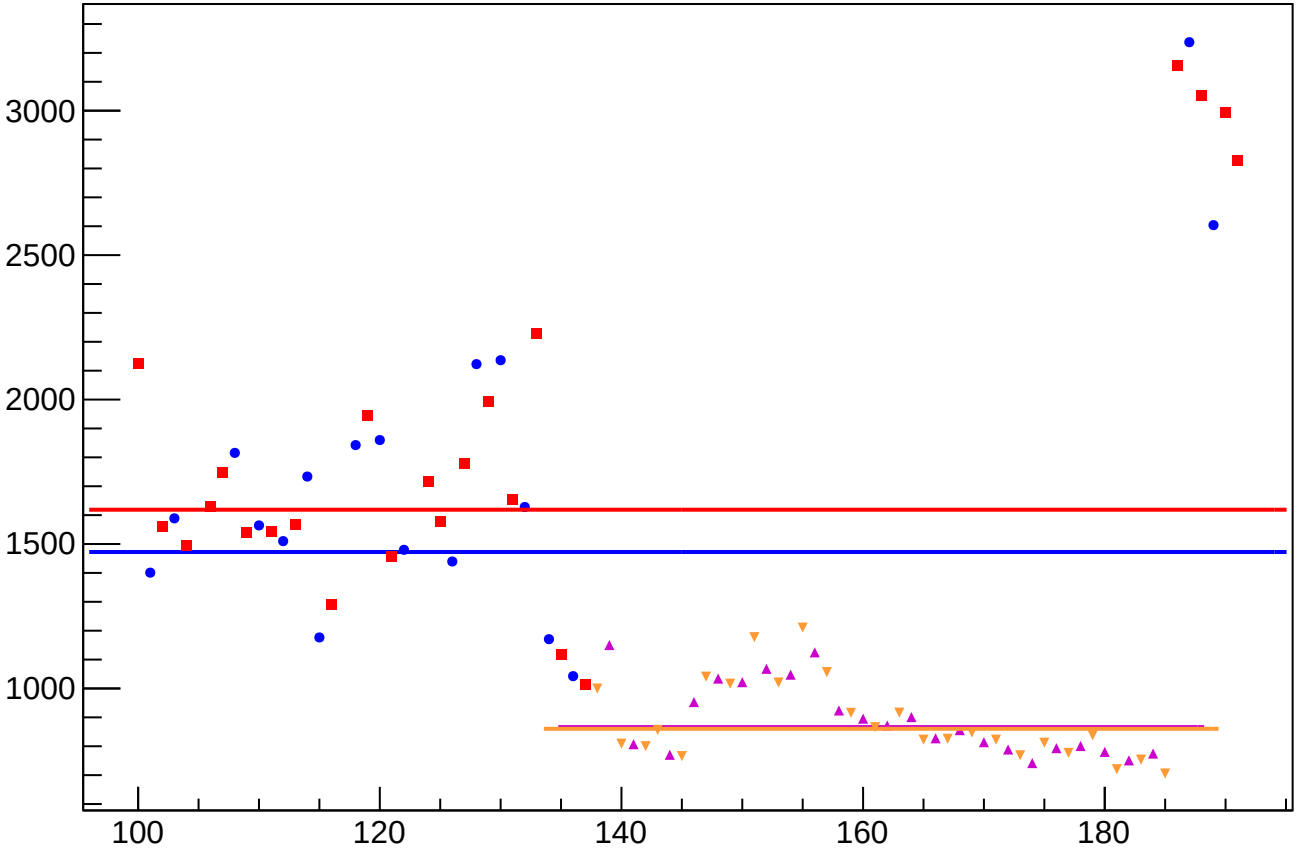
Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -822.687+/-185.904 χ^2/NDF: 79.9/42

All: -513.498+/-133.447 χ^2/NDF: 135.5/88

- sign -184.823+/-191.673 χ^2/NDF: 49.9/45

asym_sam_24_68_dd_cor_correction_rms vs Slug



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: 1618.778+/-0.390 χ^2/NDF: 1406147.1/22

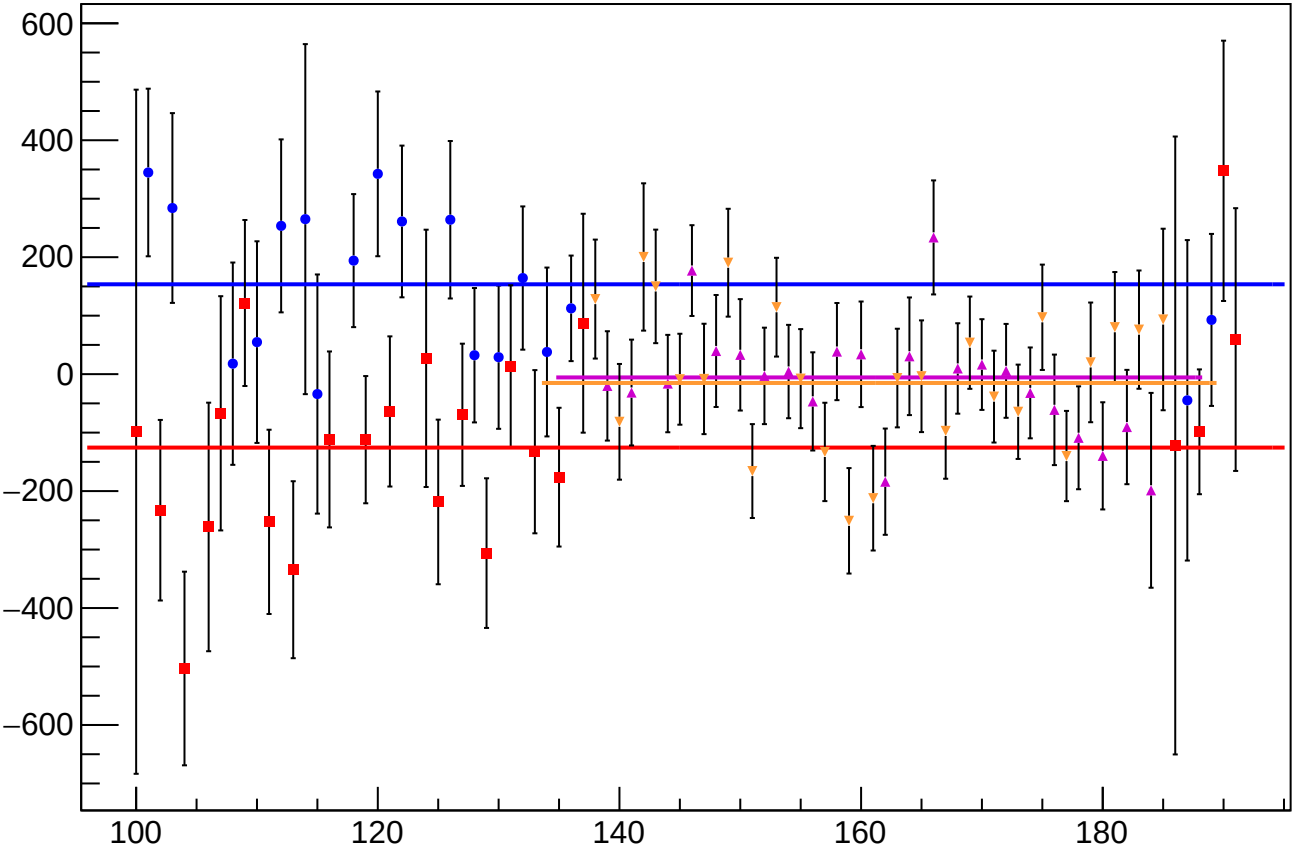
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

+ sign 932.335+/-0.131 χ^2/NDF: 3935177.0/42

All: 944.472+/-0.094 χ^2/NDF: 9249534.5/88

- sign 957.374+/-0.136 χ^2/NDF: 5296770.0/45

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: -125.604+/-31.854 χ^2/NDF: 22.9/22

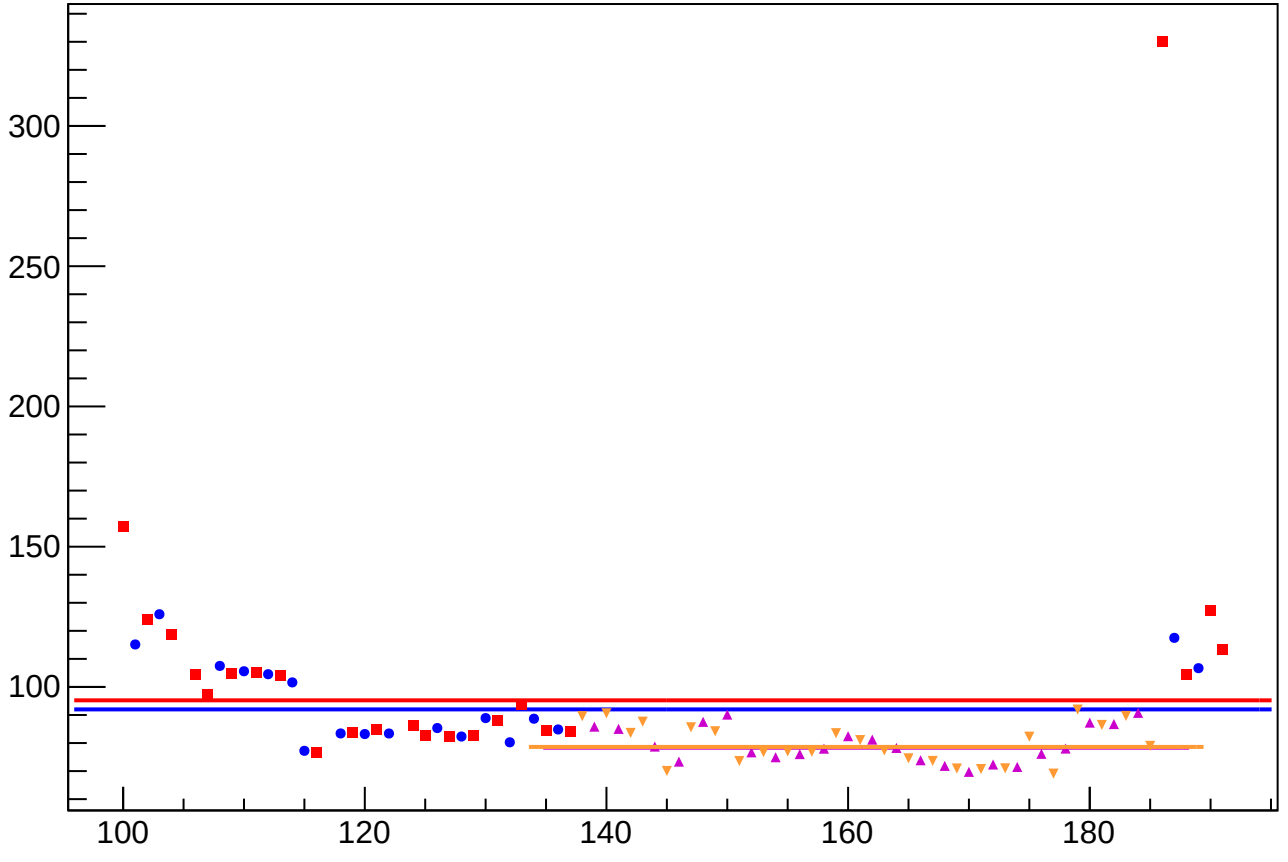
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

+ sign 23.379+/-15.777 χ^2/NDF: 73.6/42

All: -5.842+/-11.207 χ^2/NDF: 137.0/88

- sign -35.598+/-15.921 χ^2/NDF: 56.5/45

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

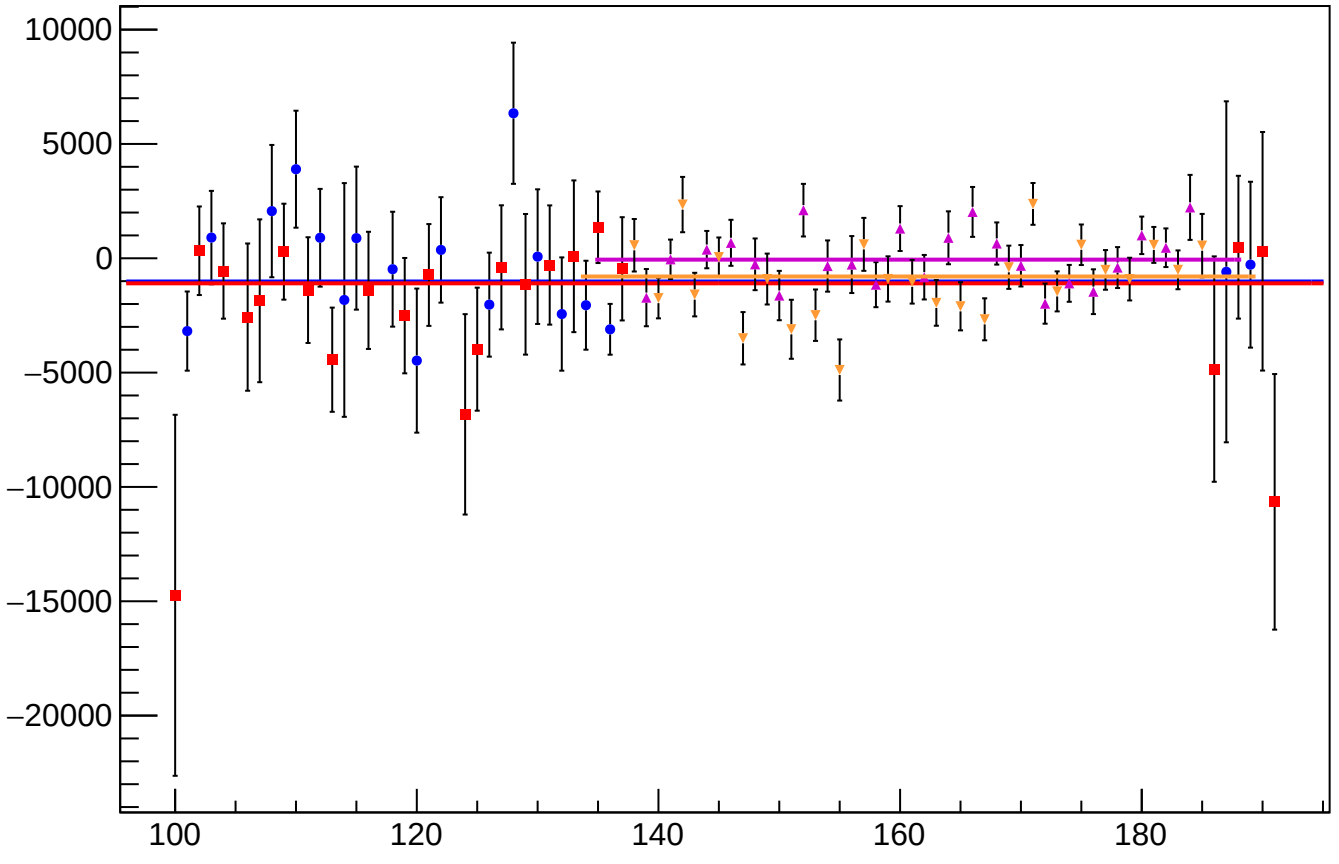
Right Out: 95.225+/-0.023 χ^2/NDF: 782140.0/22

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 81.668+/-0.011 χ^2/NDF: 872666.8/42

All: 82.107+/-0.008 χ^2/NDF: 2288917.2/88

- sign 82.554+/-0.011 χ^2/NDF: 1413124.6/45



Right In: -1015.780+/-542.543 χ^2/NDF: 20.3/17

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

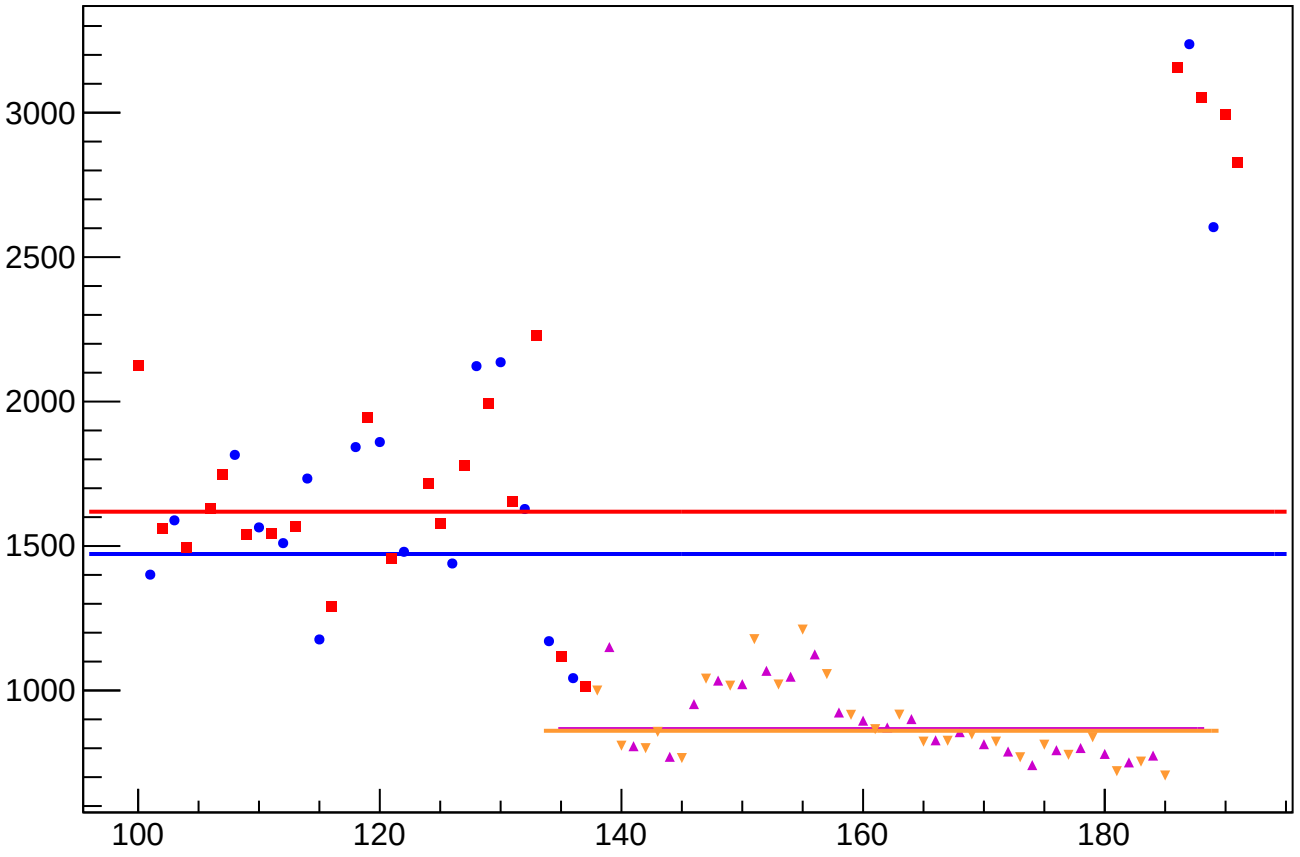
Right Out: -1095.507+/-551.084 χ^2/NDF: 16.3/22

Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -822.687+/-185.904 χ^2/NDF: 79.9/42

All: -513.498+/-133.447 χ^2/NDF: 135.5/88

- sign -184.823+/-191.673 χ^2/NDF: 49.9/45



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: 1618.778+/-0.390 χ^2/NDF: 1406147.1/22

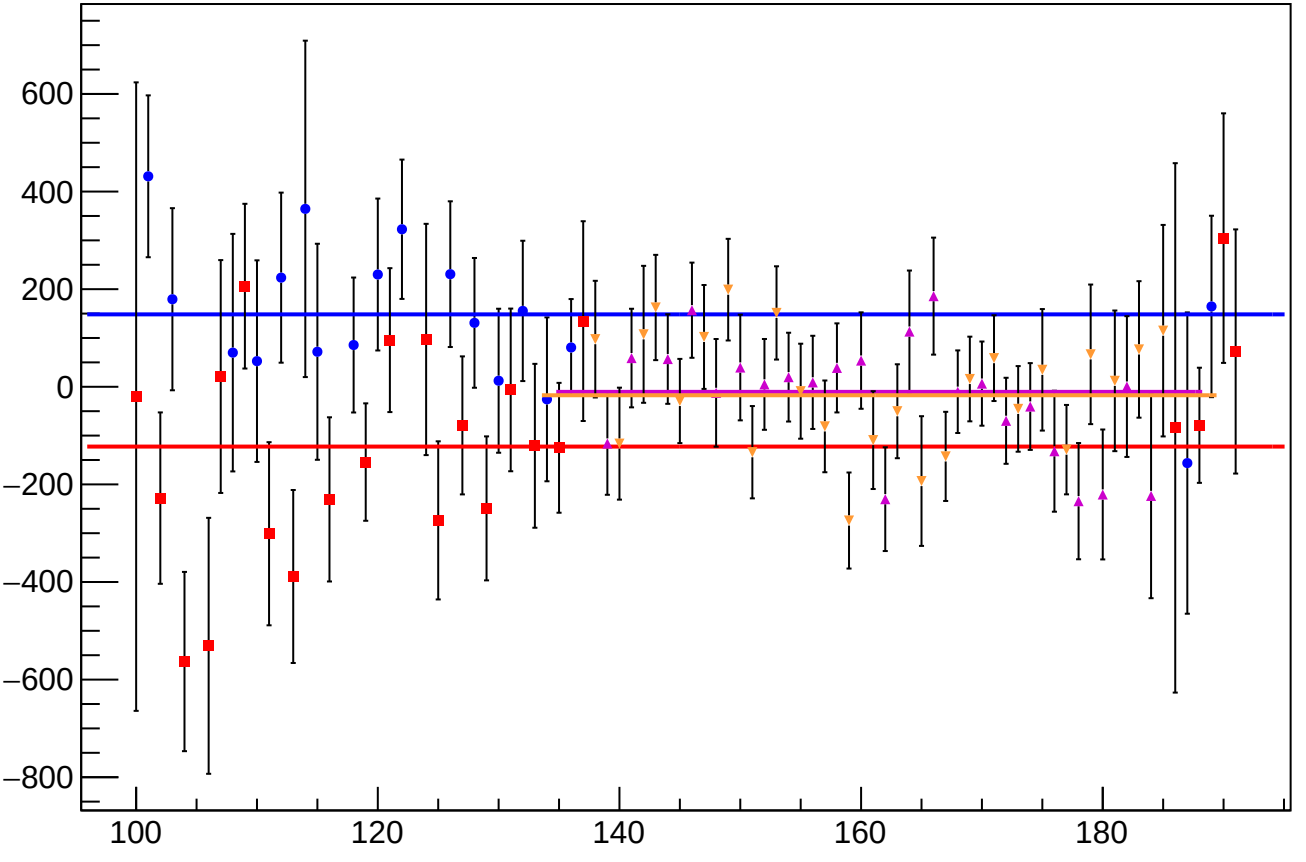
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

\+ sign 932.335+/-0.131 χ^2/NDF: 3935177.0/42

All: 944.472+/-0.094 χ^2/NDF: 9249534.5/88

\- sign 957.374+/-0.136 χ^2/NDF: 5296770.0/45

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: -122.512+/-36.450 χ^2/NDF: 26.7/22

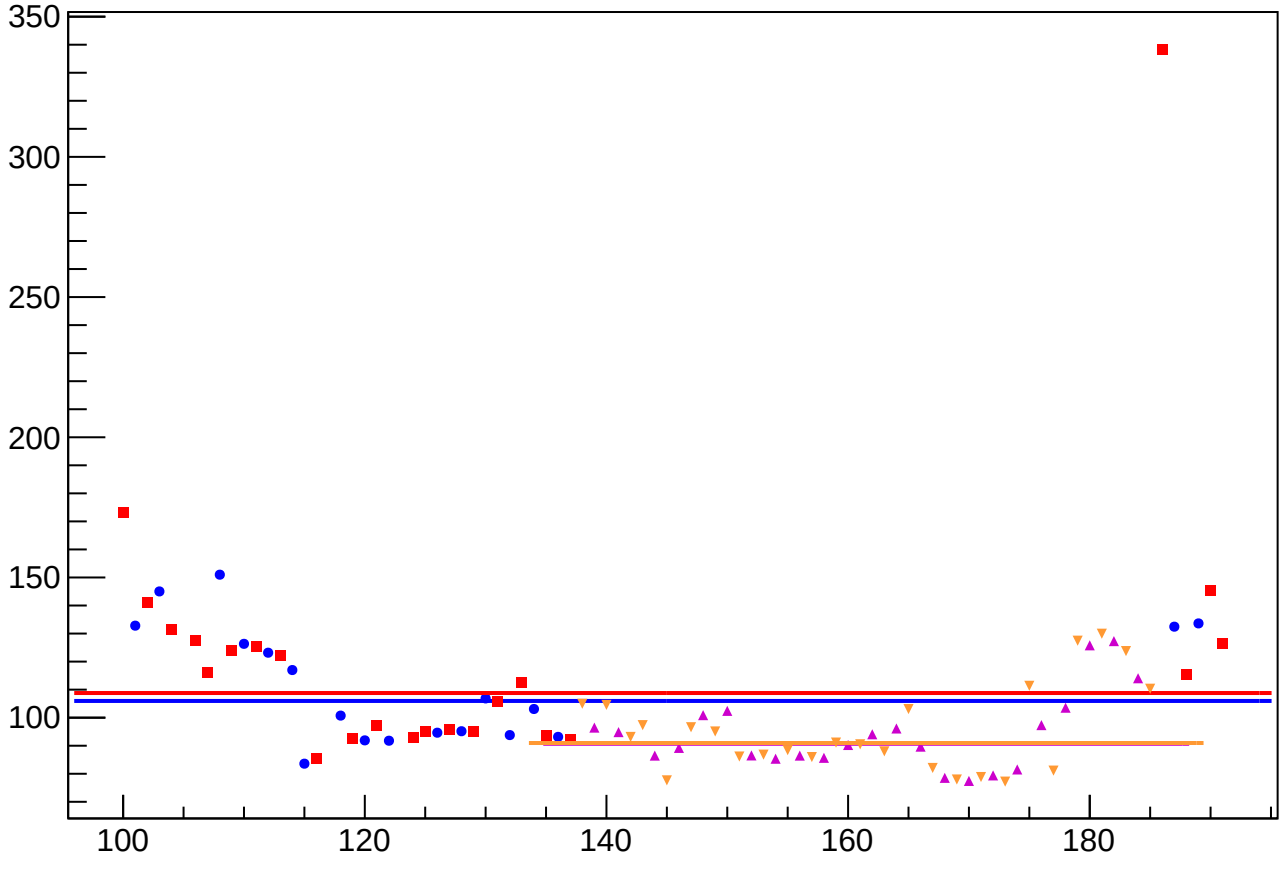
Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 20.933+/-18.404 χ^2/NDF: 55.2/42

All: -9.019+/-13.054 χ^2/NDF: 116.9/88

- sign -39.354+/-18.521 χ^2/NDF: 56.4/45

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

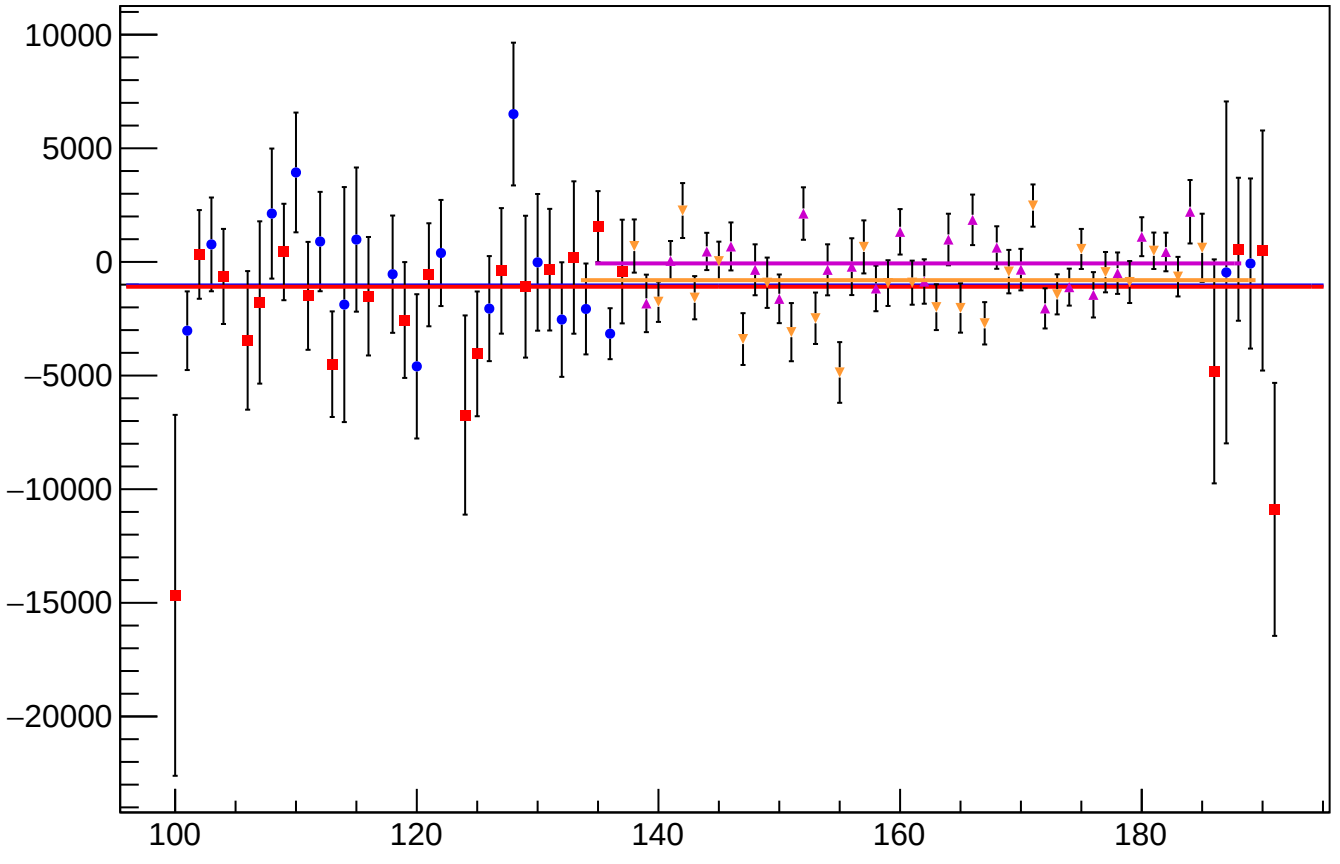
Right Out: 108.796+/-0.026 χ^2/NDF: 772337.0/22

Left In: 90.690+/-0.015 χ^2/NDF:545969.6/22

+ sign 94.432+/-0.013 χ^2/NDF: 1461424.9/42

All: 94.895+/-0.009 χ^2/NDF: 3148382.2/88

- sign 95.365+/-0.013 χ^2/NDF: 1684403.2/45



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: -1091.209+/-556.084 χ^2/NDF: 17.4/22

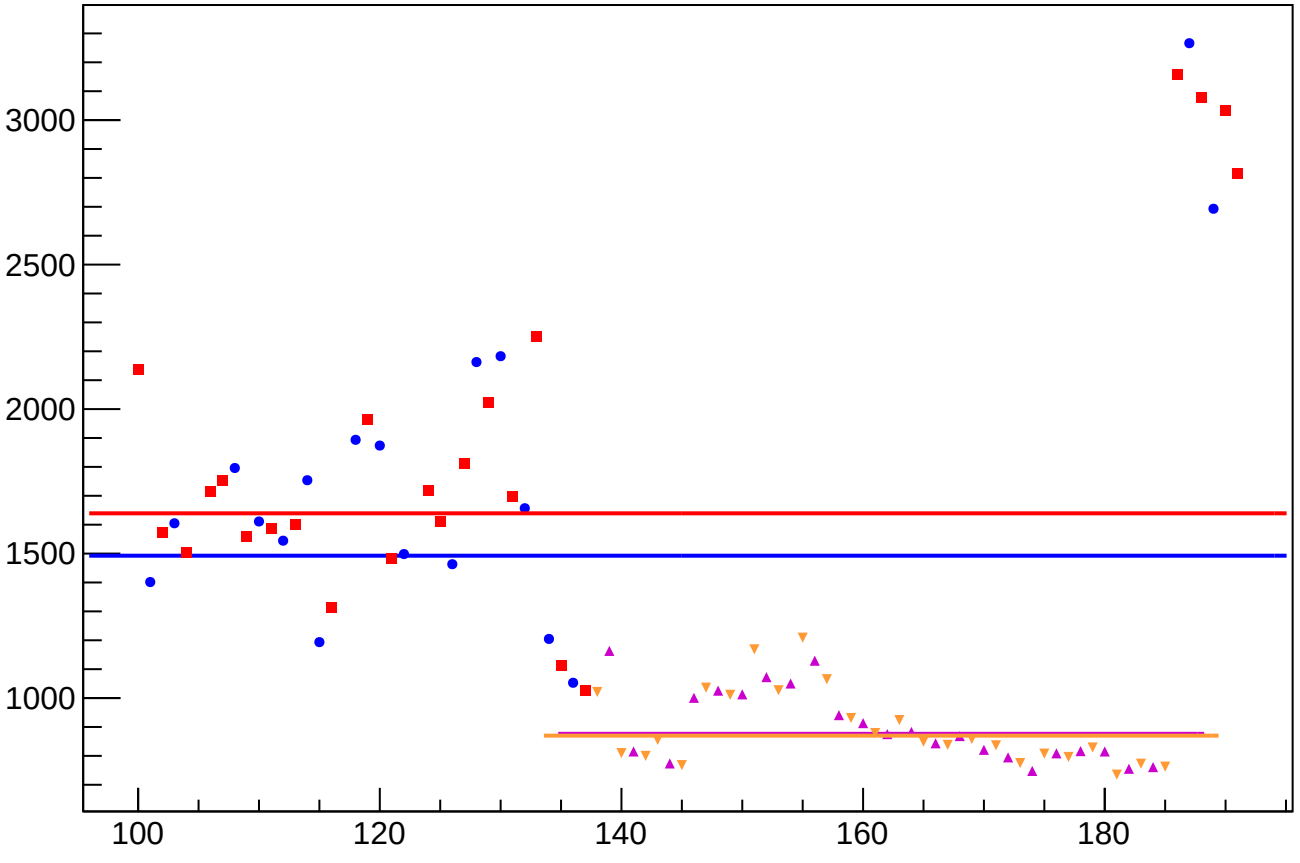
Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

+ sign -829.615+/-187.838 χ^2/NDF: 78.6/42

All: -519.556+/-134.856 χ^2/NDF: 135.3/88

- sign -189.743+/-193.729 χ^2/NDF: 51.0/45

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: 1639.347+/-0.393 χ^2/NDF: 1413753.3/22

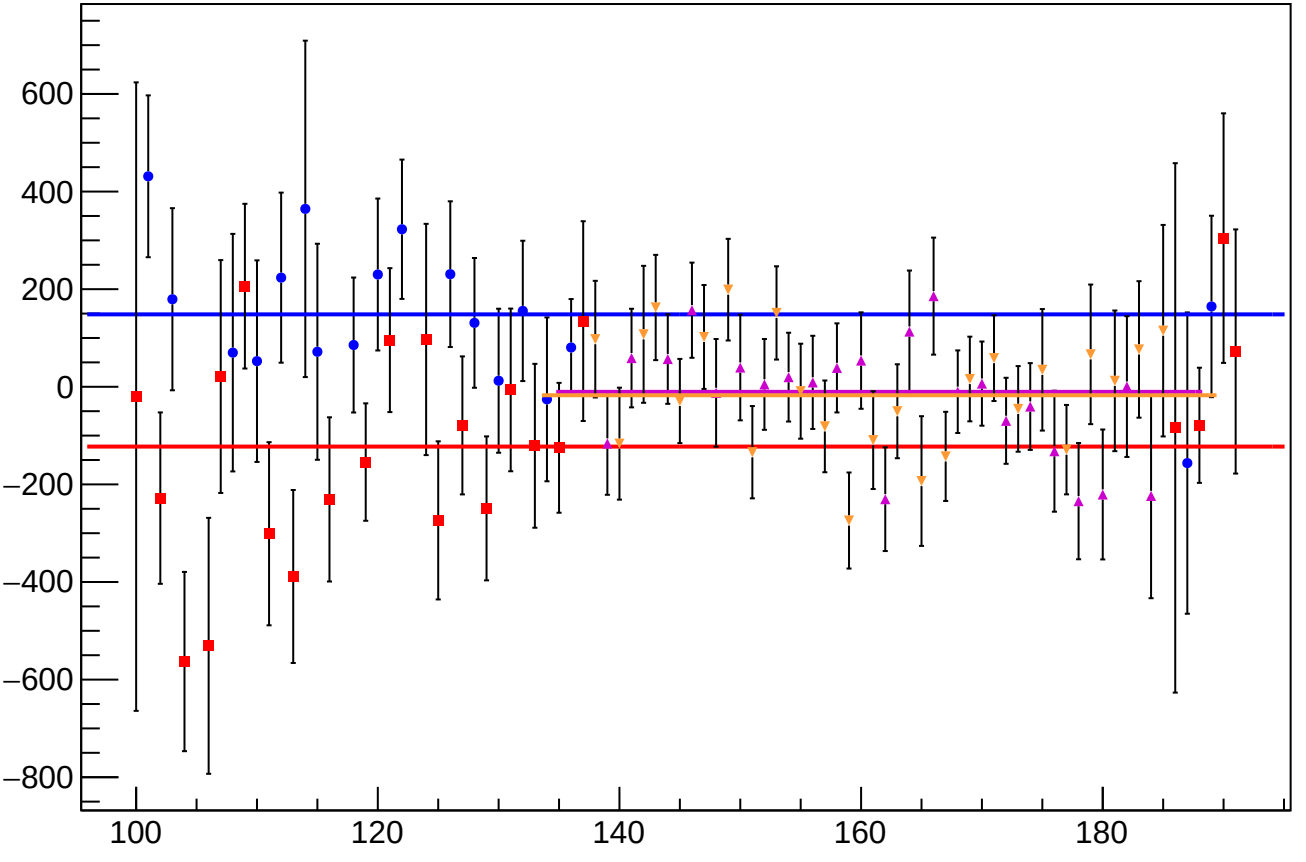
Left In: 876.273+/-0.146 χ^2/NDF:597200.7/22

\+ sign 942.617+/-0.133 χ^2/NDF: 3921492.1/42

All: 955.347+/-0.095 χ^2/NDF: 9260340.2/88

\- sign 968.887+/-0.137 χ^2/NDF: 5319892.2/45

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: -122.512+/-36.449 χ^2/NDF: 26.7/22

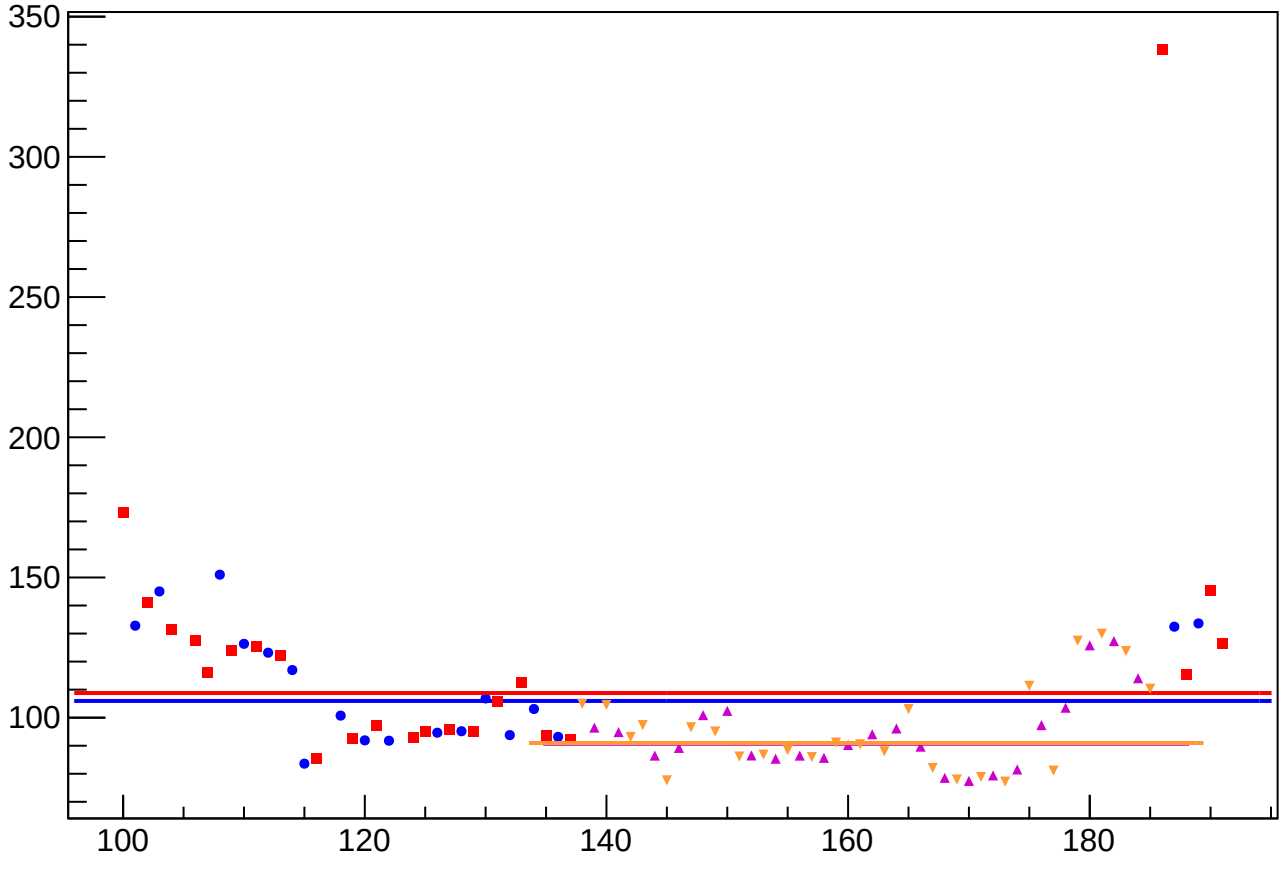
Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 20.934+/-18.403 χ^2/NDF: 55.2/42

All: -9.019+/-13.054 χ^2/NDF: 116.9/88

- sign -39.354+/-18.521 χ^2/NDF: 56.4/45

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

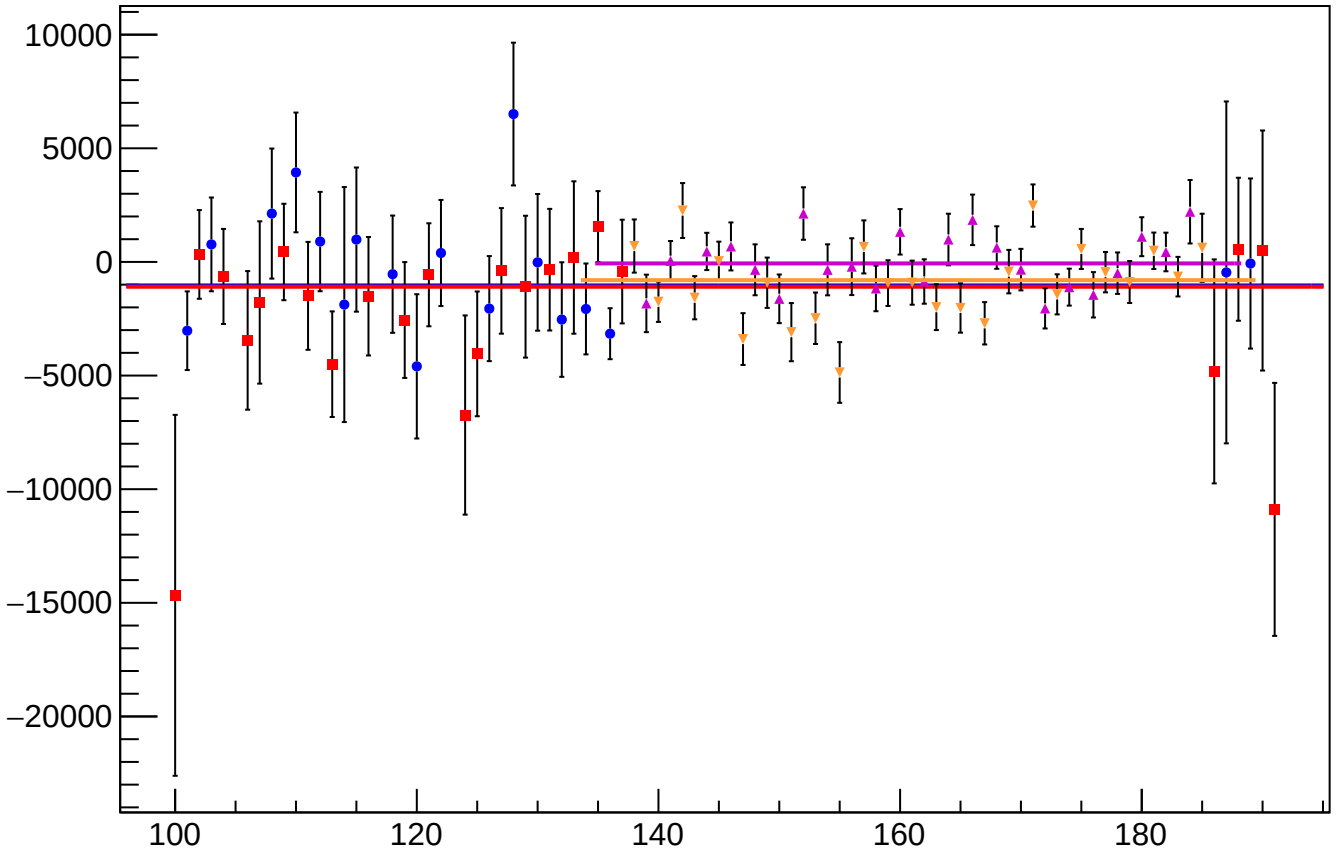
Right Out: 108.796+/-0.026 χ^2/NDF: 772342.8/22

Left In: 90.690+/-0.015 χ^2/NDF:545960.7/22

+ sign 94.432+/-0.013 χ^2/NDF: 1461404.0/42

All: 94.895+/-0.009 χ^2/NDF: 3148335.5/88

- sign 95.364+/-0.013 χ^2/NDF: 1684377.7/45



Right In: -1034.790+/-550.079 χ^2/NDF: 20.1/17

Left Out: -802.531+/-199.851 χ^2/NDF:58.3/24

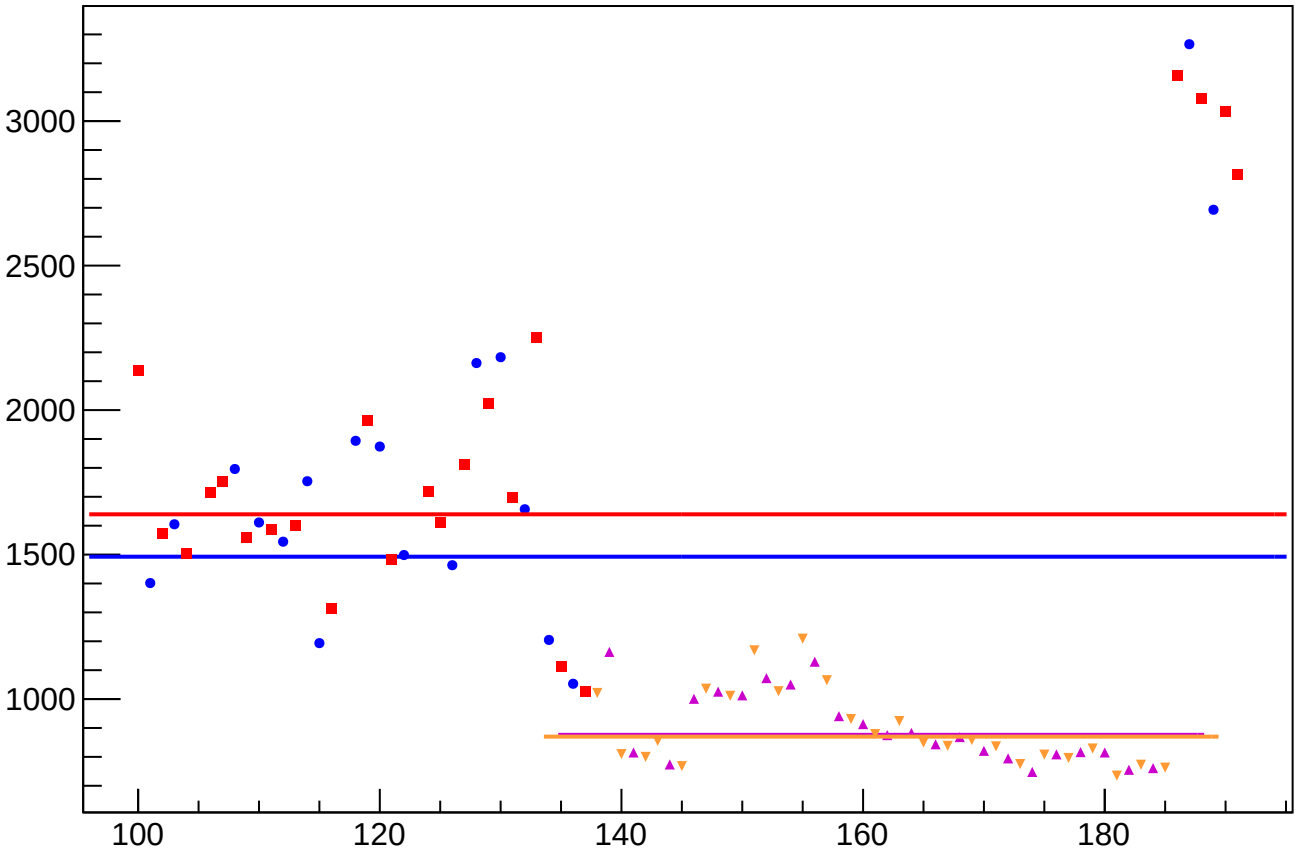
Right Out: -1091.208+/-556.083 χ^2/NDF: 17.4/22

Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

+ sign -829.614+/-187.838 χ^2/NDF: 78.6/42

All: -519.555+/-134.856 χ^2/NDF: 135.3/88

- sign -189.742+/-193.729 χ^2/NDF: 51.0/45



Right In: 1492.694+/-0.389 χ^2/NDF: 1010229.2/17

Left Out: 870.008+/-0.141 χ^2/NDF:647275.9/24

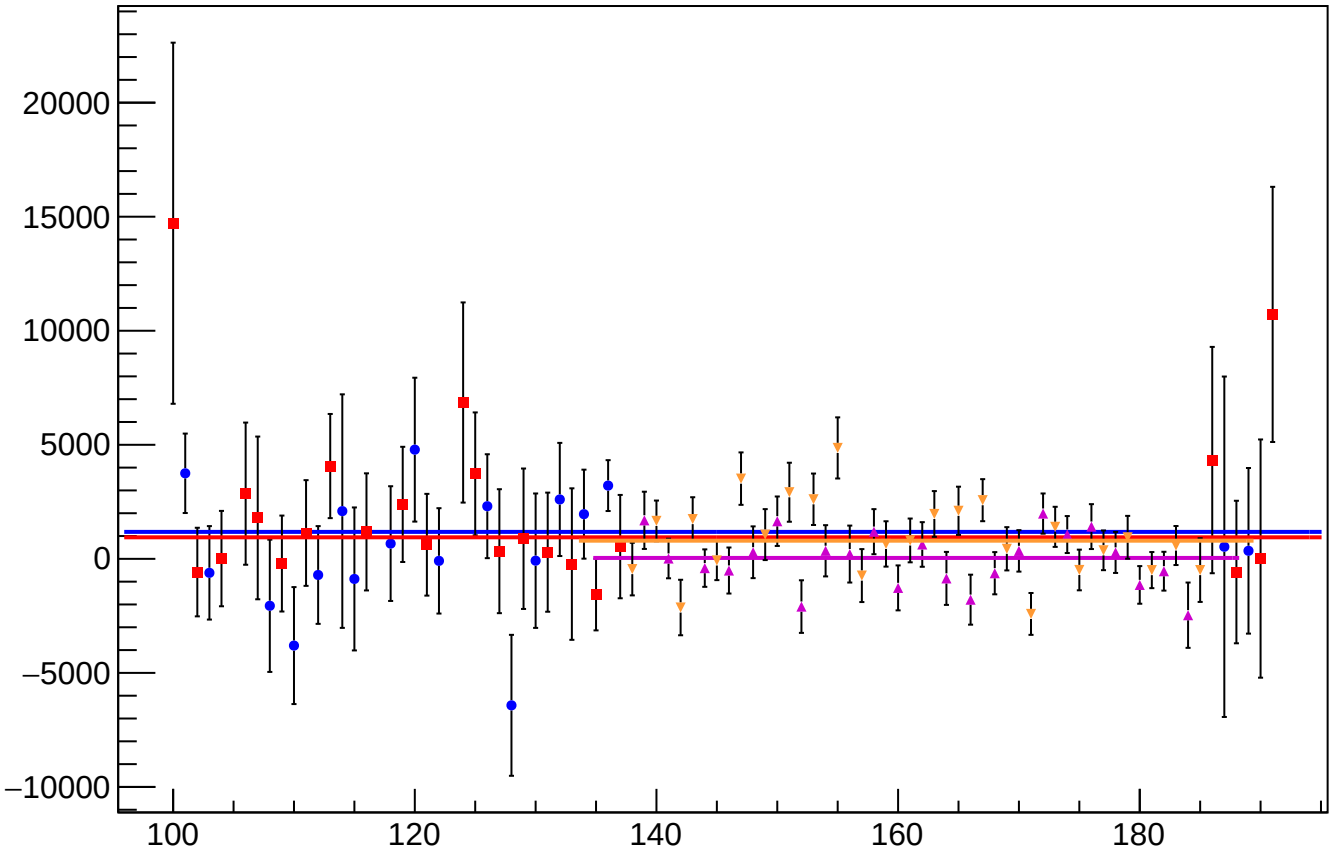
Right Out: 1639.344+/-0.393 χ^2/NDF: 1413755.8/22

Left In: 876.272+/-0.146 χ^2/NDF:597200.9/22

+ sign 942.616+/-0.133 χ^2/NDF: 3921485.2/42

All: 955.346+/-0.095 χ^2/NDF: 9260327.7/88

- sign 968.886+/-0.137 χ^2/NDF: 5319886.7/45



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: 943.829+/-551.709 χ^2/NDF: 16.3/22

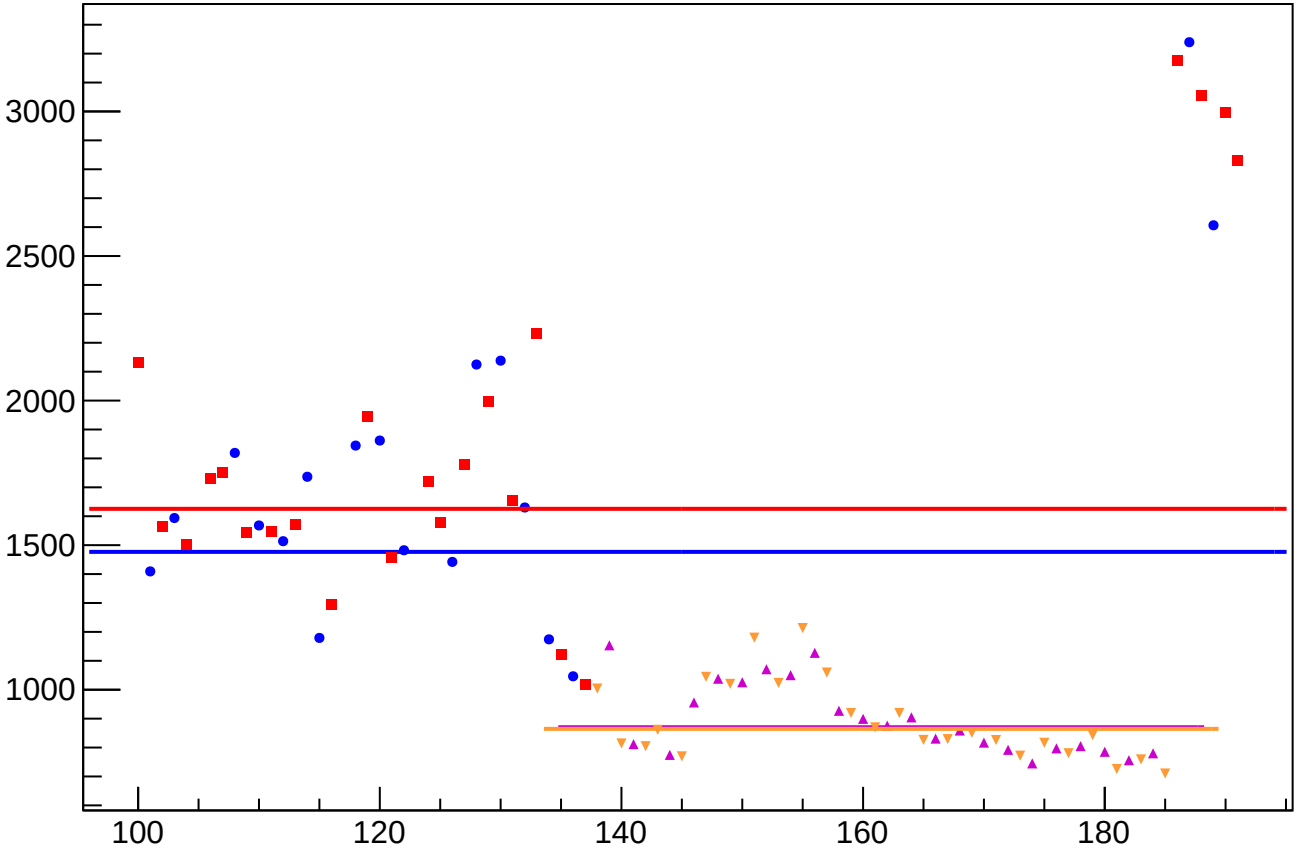
Left In: 39.746+/-205.349 χ^2/NDF:29.7/22

+ sign 841.724+/-186.725 χ^2/NDF: 78.8/42

All: 506.186+/-134.013 χ^2/NDF: 133.9/88

- sign 149.755+/-192.451 χ^2/NDF: 48.4/45

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

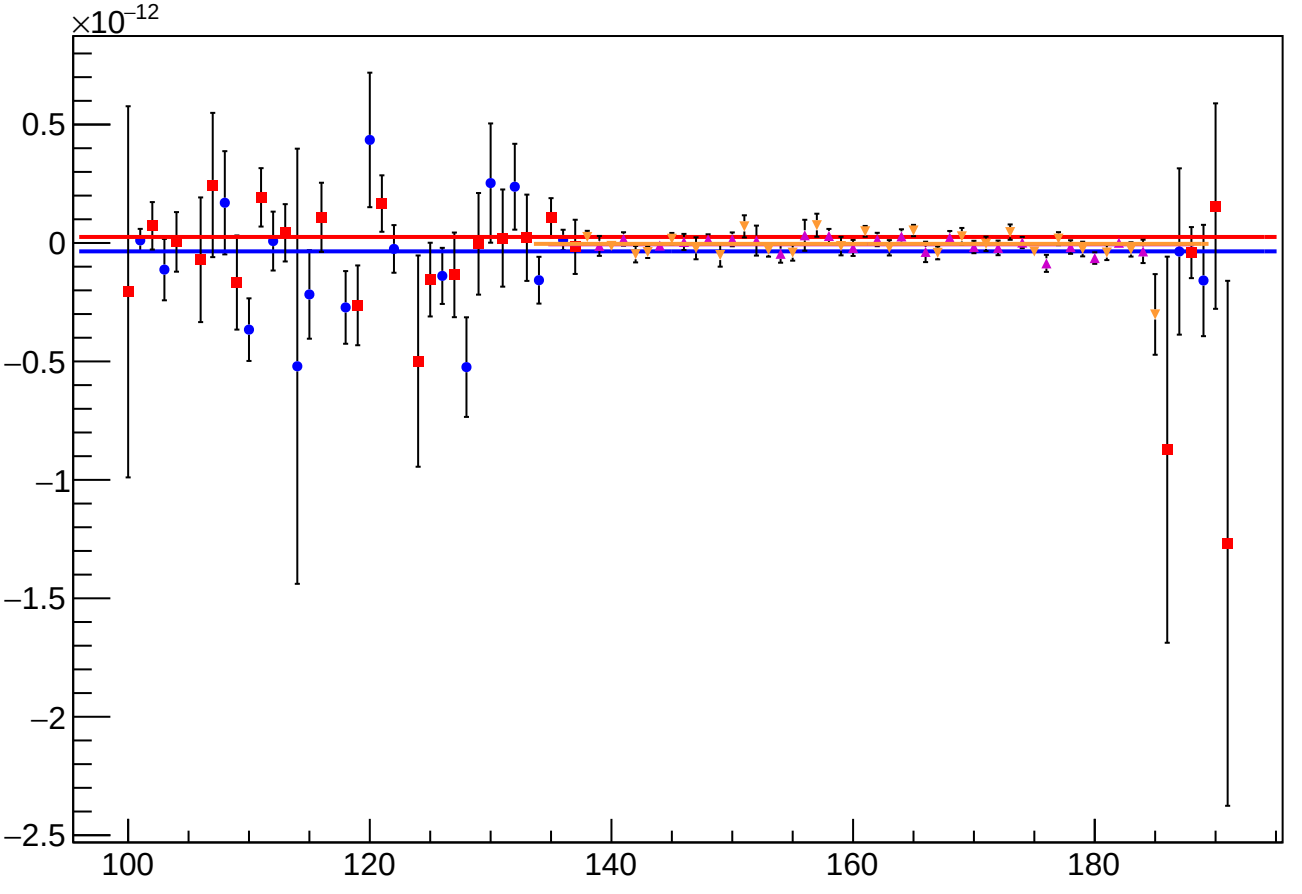
Right Out: 1625.684+/-0.390 χ^2/NDF: 1404551.3/22

Left In: 870.346+/-0.145 χ^2/NDF:604520.6/22

+ sign 936.750+/-0.132 χ^2/NDF: 3906954.5/42

All: 949.118+/-0.095 χ^2/NDF: 9226766.8/88

- sign 962.256+/-0.136 χ^2/NDF: 5301717.1/45



Right In: -0.000+/-0.000 χ^2/NDF: 27.7/17

Left Out: -0.000+/-0.000 χ^2/NDF:38.7/24

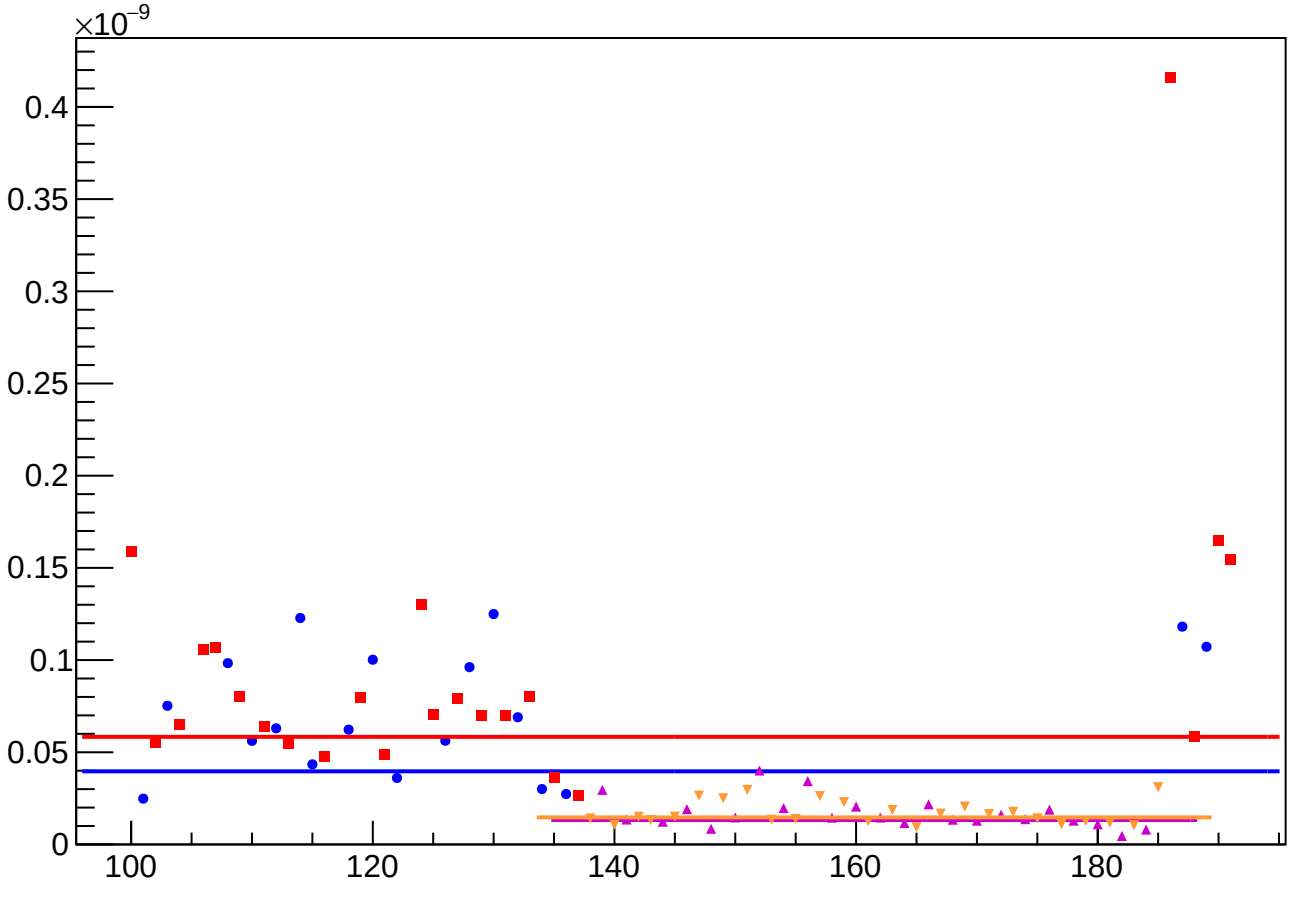
Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/22

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: 105.6/88

- sign -0.000+/-0.000 χ^2/NDF: 37.6/45



Right In: 0.000+/-0.000 χ^2/NDF: 1651898.5/17

Left Out: 0.000+/-0.000 χ^2/NDF:1073691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1185865.0/22

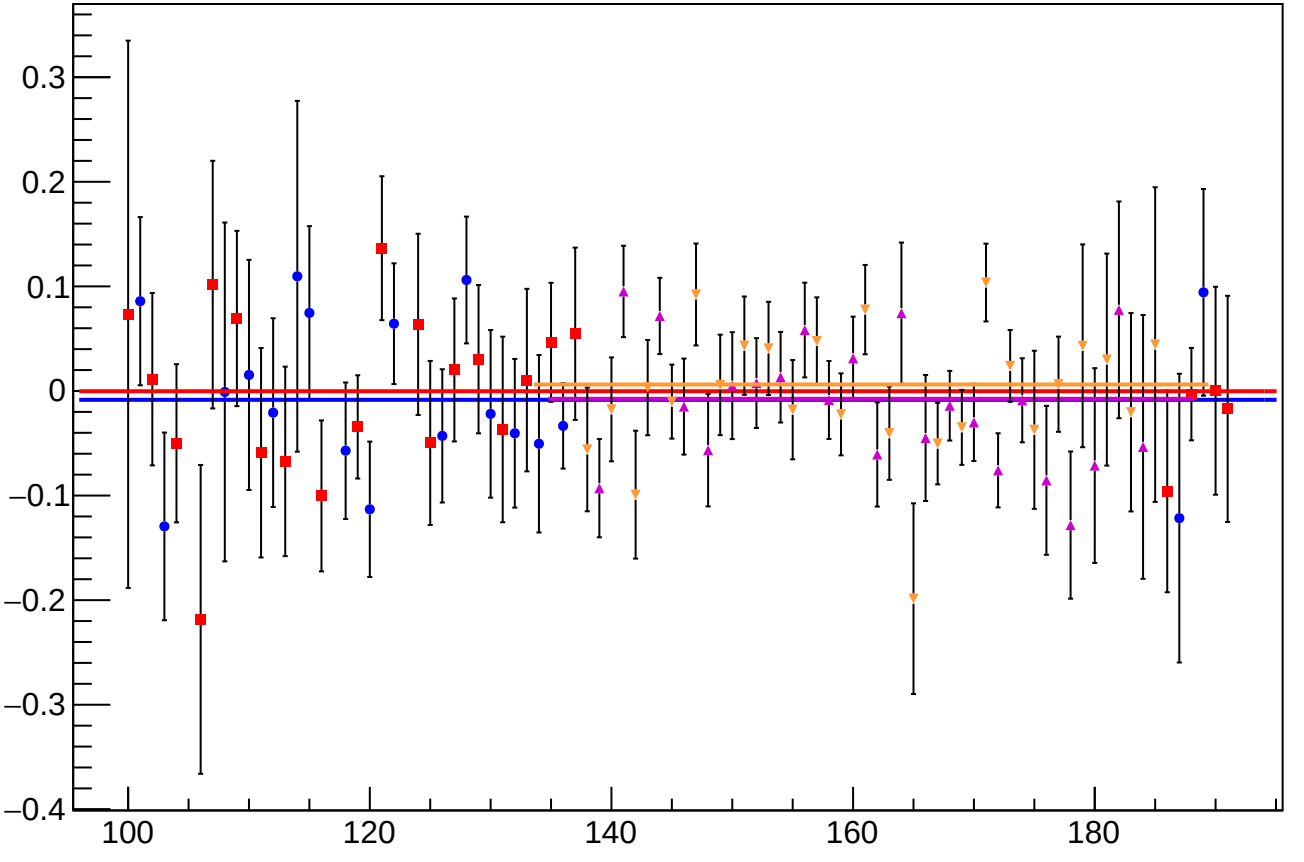
Left In: 0.000+/-0.000 χ^2/NDF:1970835.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 4639122.8/42

All: 0.000+/-0.000 χ^2/NDF: 11650754.9/88

- sign 0.000+/-0.000 χ^2/NDF: 6965788.3/45

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs Slug



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: 14.9/22

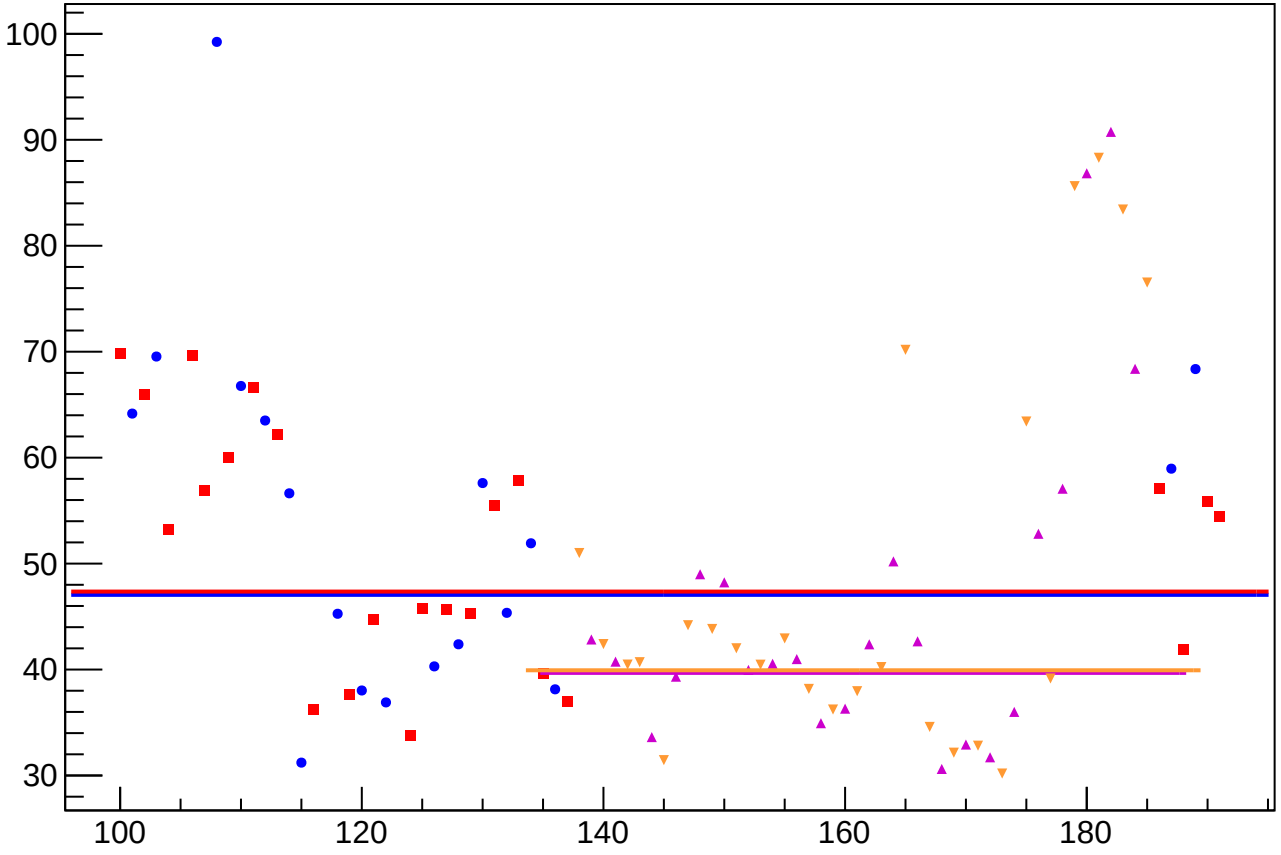
Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.003+/-0.008 χ^2/NDF: 47.3/42

All: -0.001+/-0.006 χ^2/NDF: 93.4/88

- sign -0.006+/-0.008 χ^2/NDF: 45.5/45

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

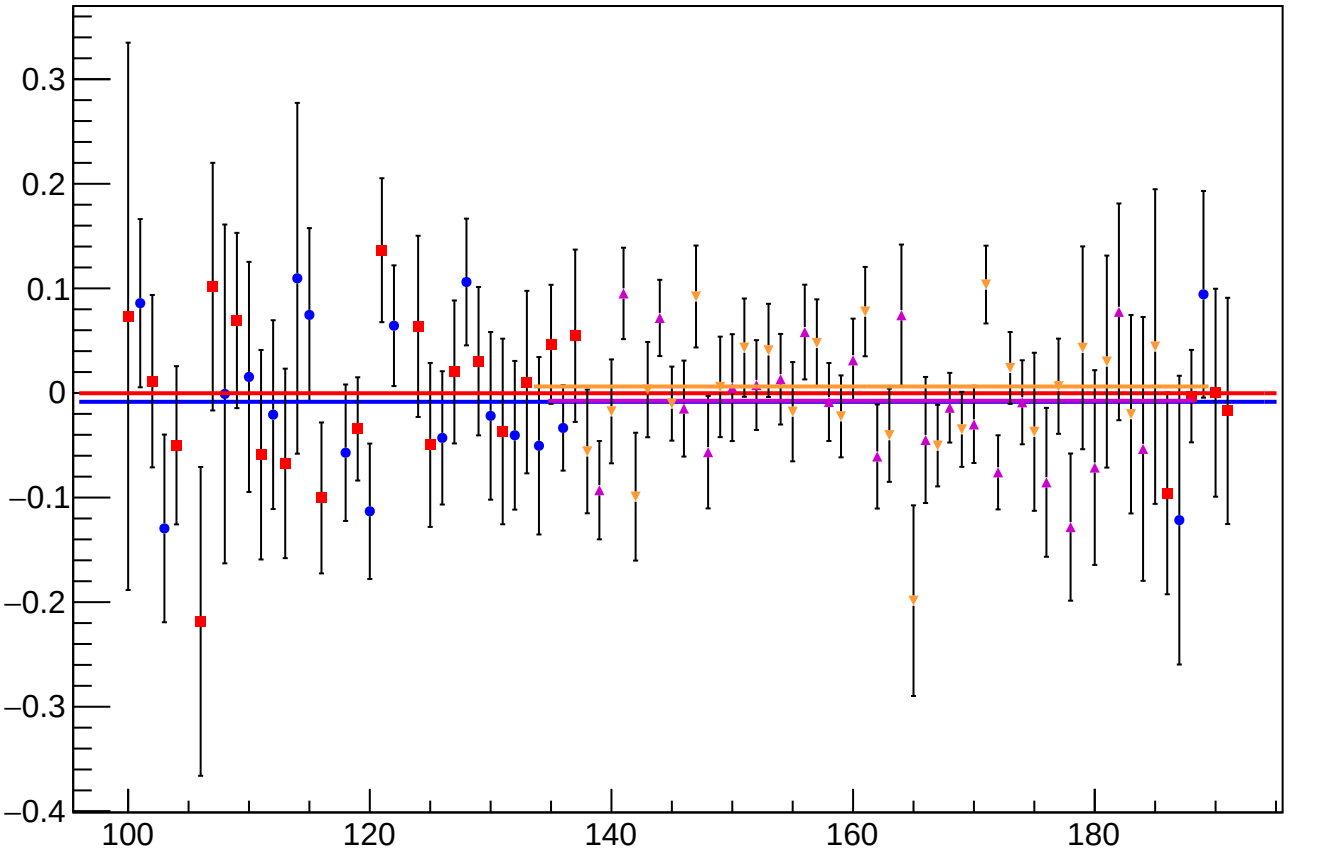
Right Out: 47.360+/-0.011 χ^2/NDF: 728409.8/22

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 41.562+/-0.006 χ^2/NDF: 3745399.8/42

All: 41.658+/-0.004 χ^2/NDF: 6722440.1/88

- sign 41.754+/-0.006 χ^2/NDF: 2976513.3/45



Right In: -0.008+/-0.018 χ^2/NDF: 16.0/17

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

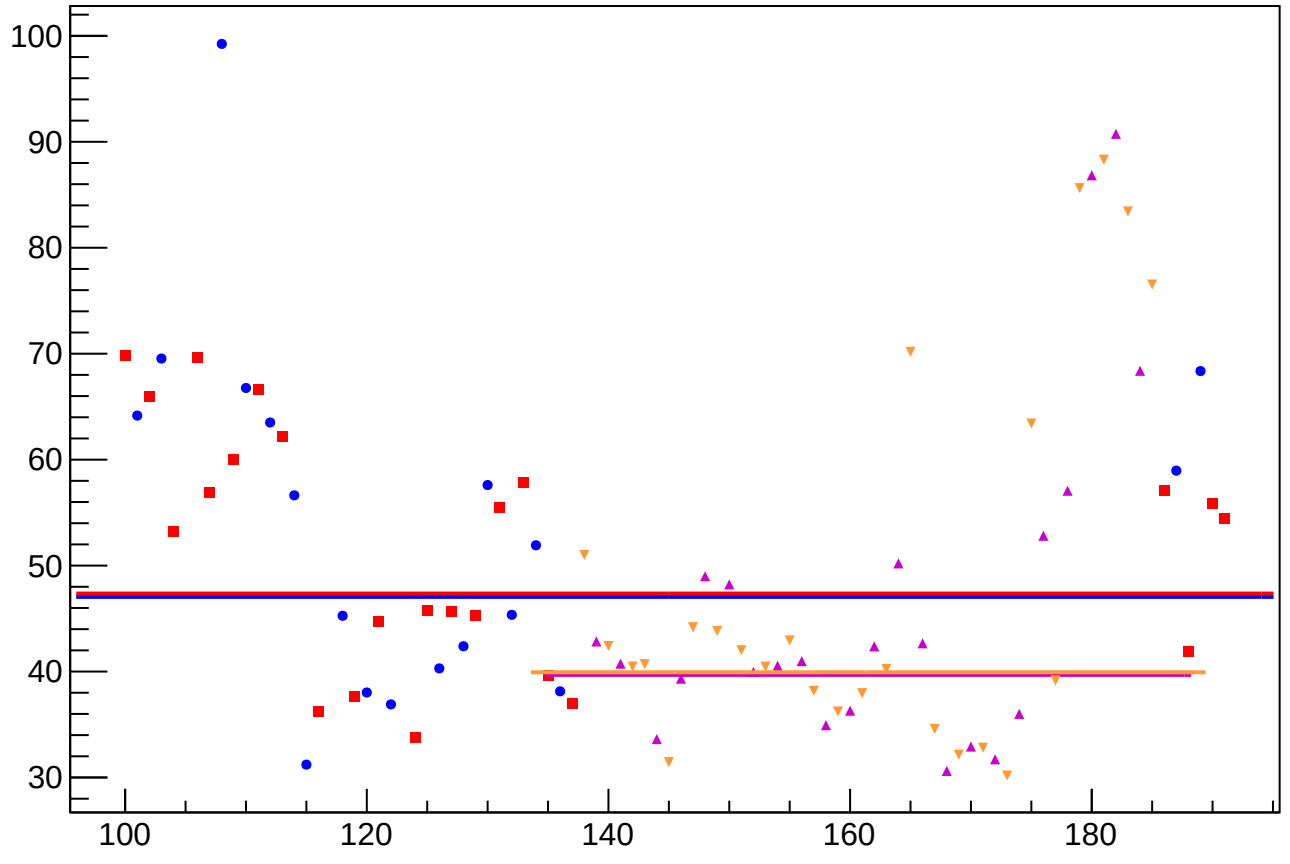
Right Out: -0.000+/-0.016 χ^2/NDF: 14.9/22

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: 93.4/88

- sign -0.006+/-0.008 χ^2/NDF: 45.5/45



Right In: 47.051+/-0.012 χ^2/NDF: 1016342.2/17

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

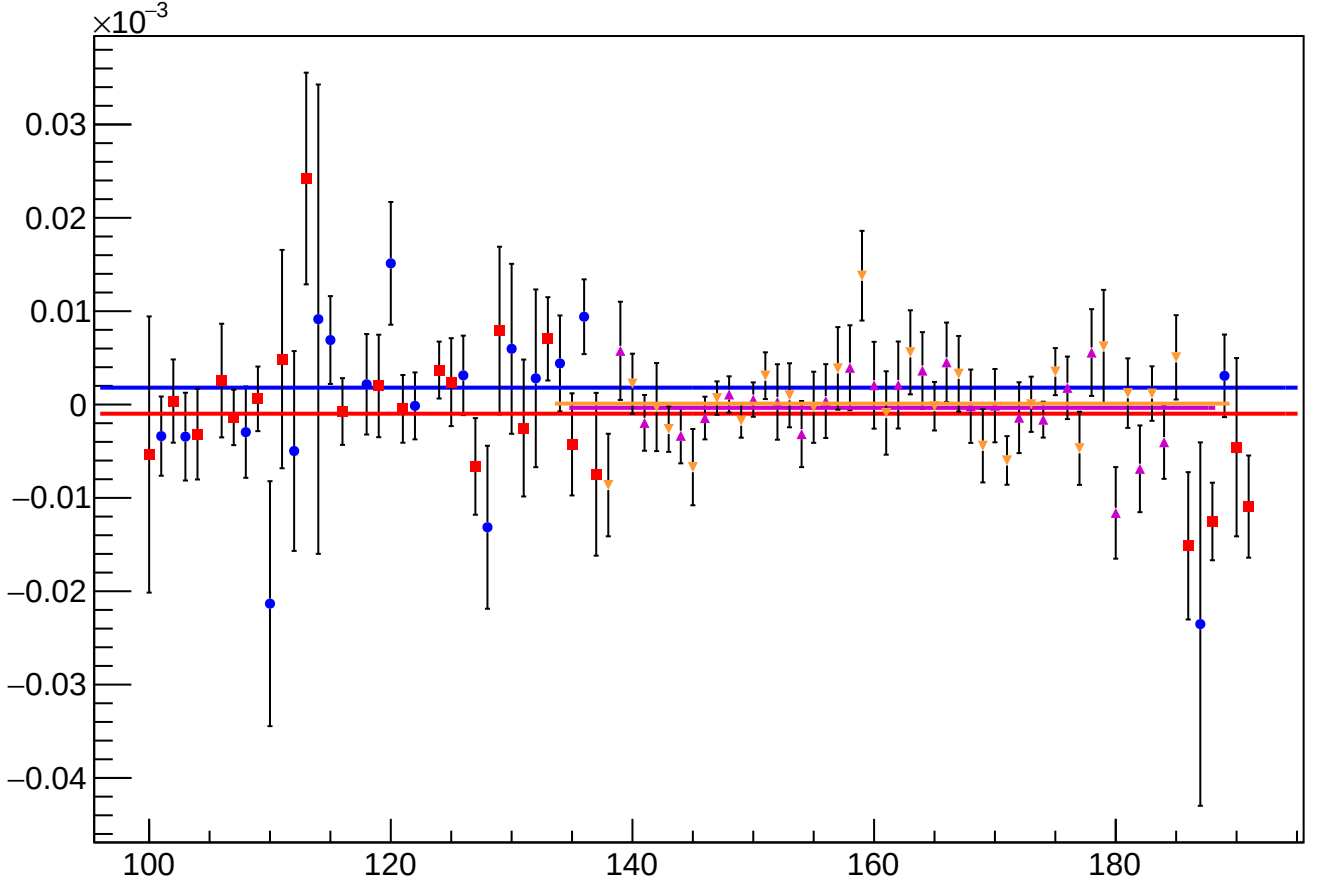
Right Out: 47.360+/-0.011 χ^2/NDF: 728409.8/22

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 41.562+/-0.006 χ^2/NDF: 3745399.8/42

All: 41.658+/-0.004 χ^2/NDF: 6722440.1/88

- sign 41.754+/-0.006 χ^2/NDF: 2976513.3/45



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:33.2/24

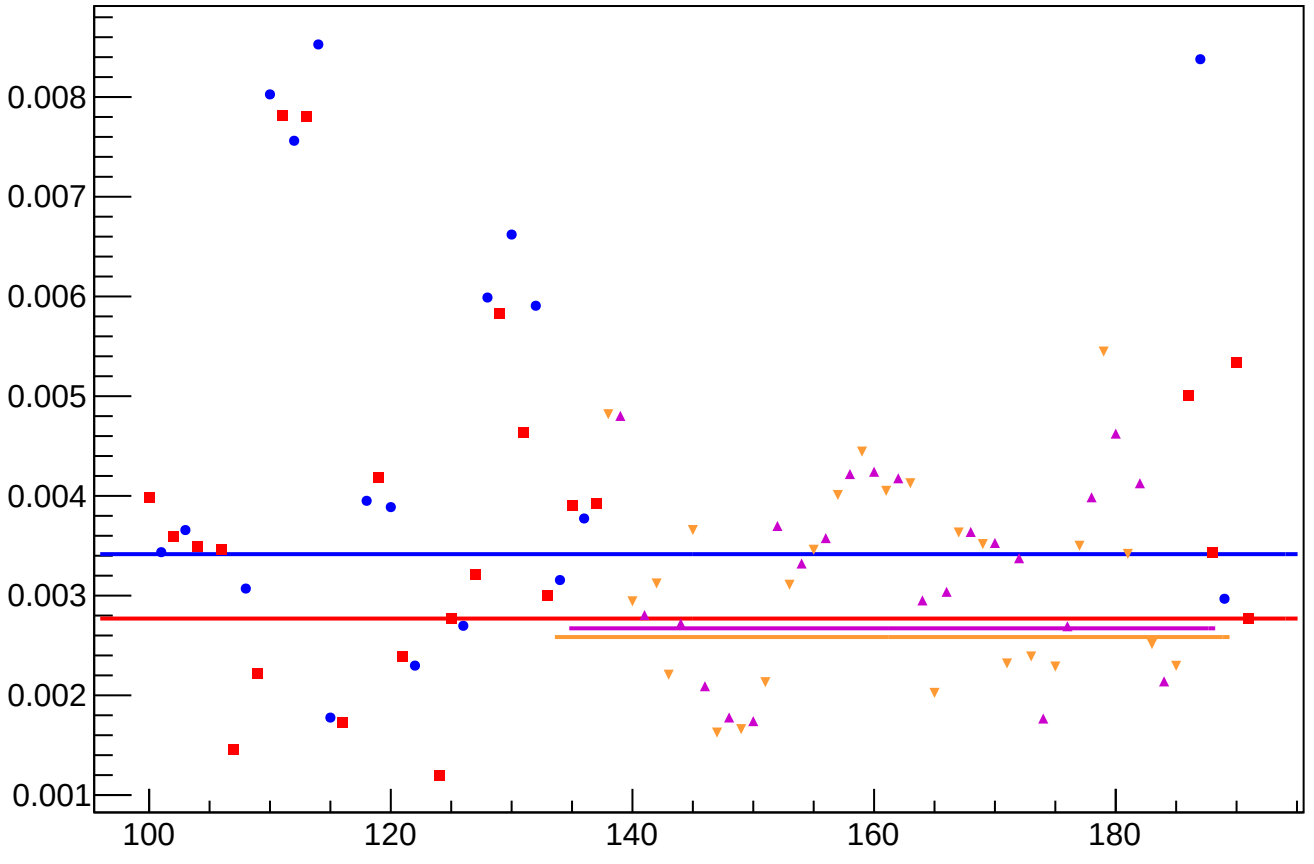
Right Out: -0.000+/-0.000 χ^2/NDF: 30.1/22

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: 106.9/88

- sign -0.000+/-0.000 χ^2/NDF: 49.1/45



Right In: 0.003+/-0.000 χ^2/NDF: 1899434.8/17

Left Out: 0.003+/-0.000 χ^2/NDF:3892707.7/24

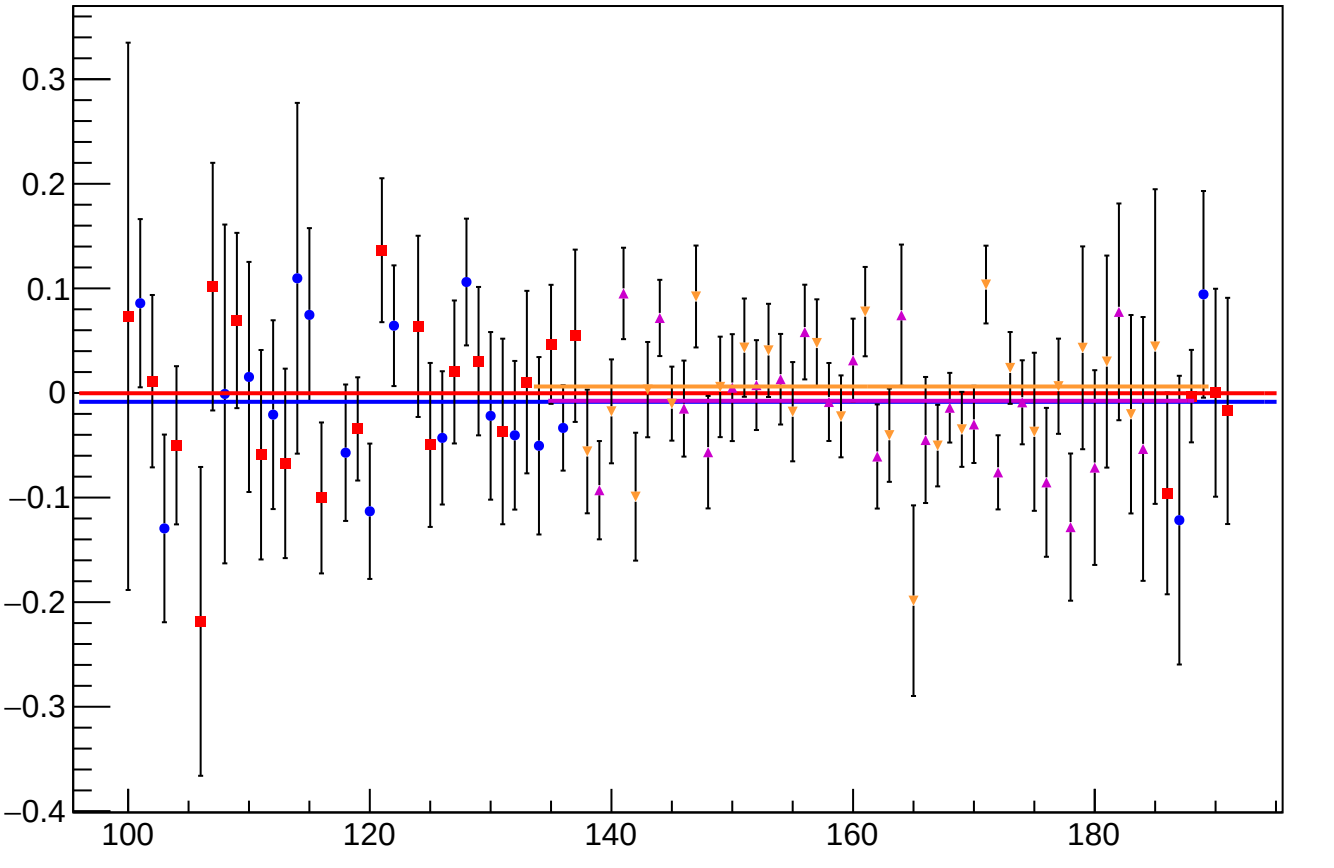
Right Out: 0.003+/-0.000 χ^2/NDF: 3079098.8/22

Left In: 0.003+/-0.000 χ^2/NDF:3825662.0/22

+ sign 0.003+/-0.000 χ^2/NDF: 6449702.0/42

All: 0.003+/-0.000 χ^2/NDF: 13371946.6/88

- sign 0.003+/-0.000 χ^2/NDF: 6917638.4/45



Right In: -0.008+/-0.018 χ^2/NDF: 16.0/17

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

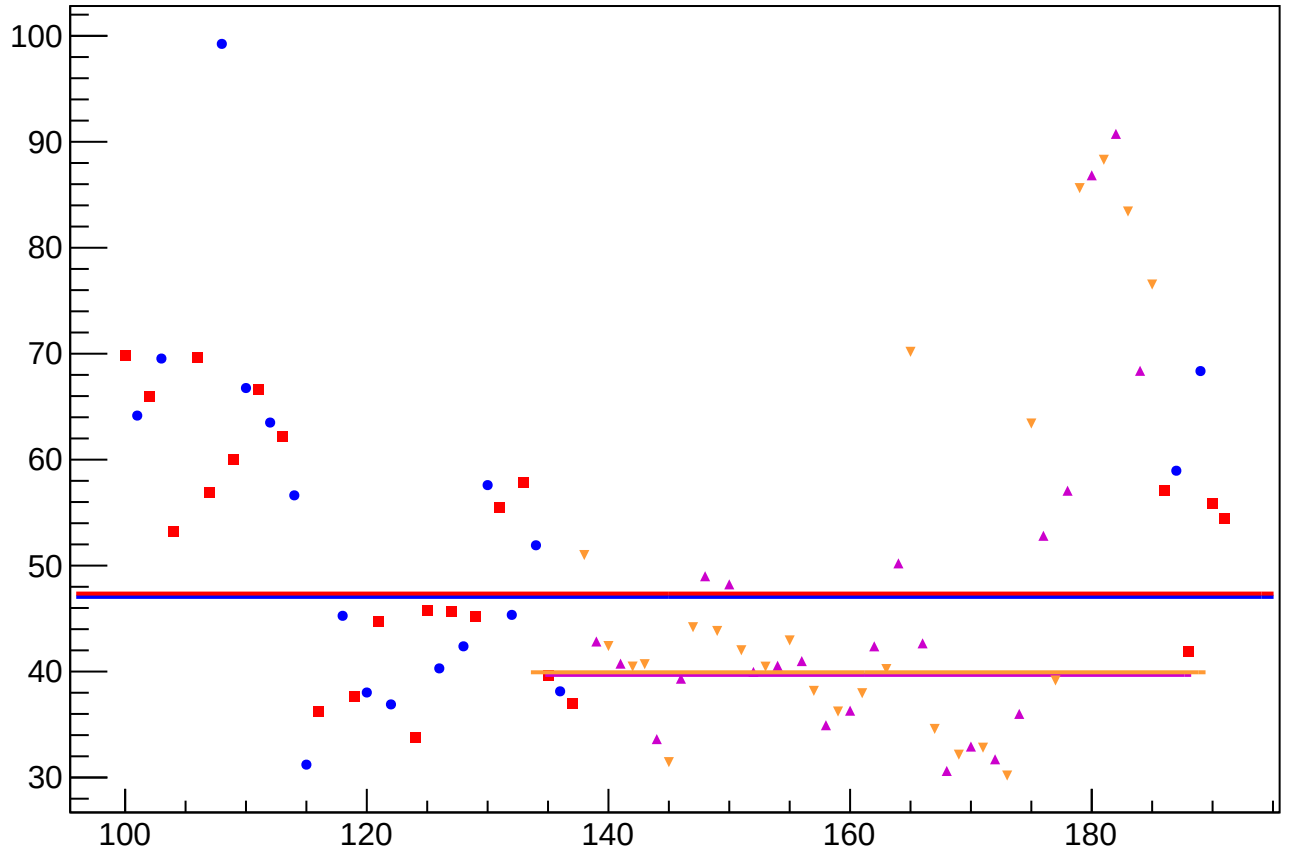
Right Out: -0.000+/-0.016 χ^2/NDF: 14.9/22

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: 93.3/88

- sign -0.006+/-0.008 χ^2/NDF: 45.5/45



Right In: 47.049+/-0.012 χ^2/NDF: 1016323.6/17

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

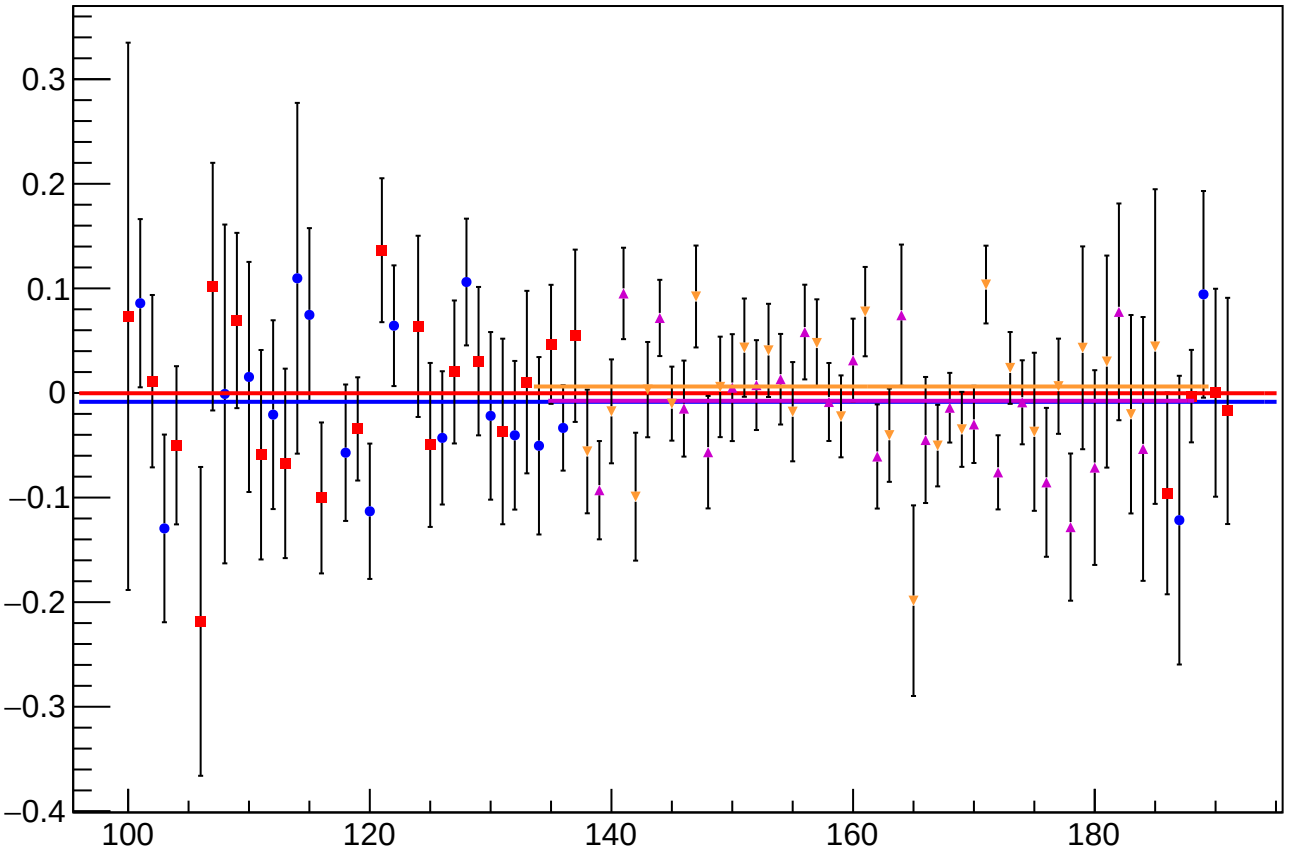
Right Out: 47.359+/-0.011 χ^2/NDF: 728393.1/22

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

+ sign 41.561+/-0.006 χ^2/NDF: 3745315.9/42

All: 41.658+/-0.004 χ^2/NDF: 6722326.6/88

- sign 41.753+/-0.006 χ^2/NDF: 2976484.3/45



Right In: -0.008+/-0.018 χ^2/NDF: 16.0/17

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

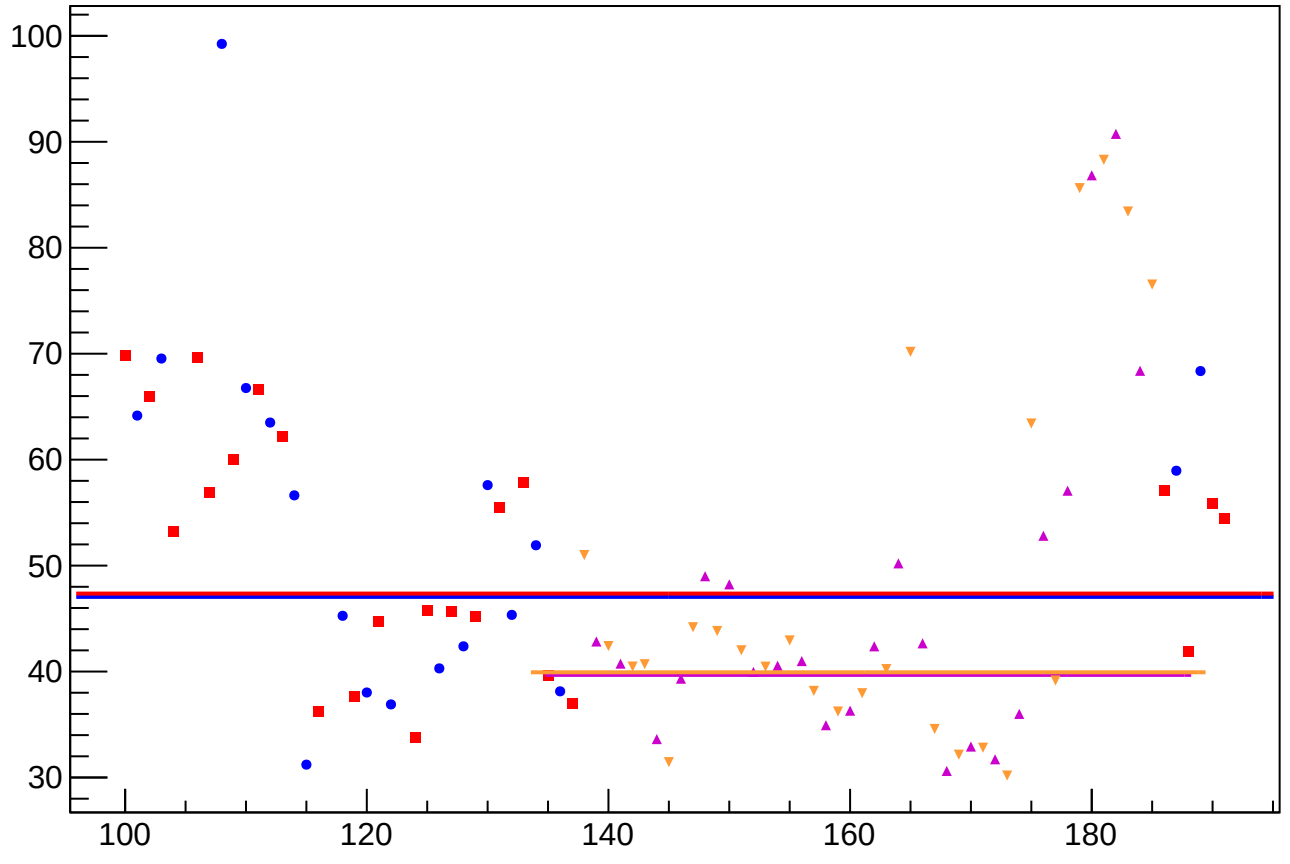
Right Out: -0.000+/-0.016 χ^2/NDF: 14.9/22

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: 93.3/88

- sign -0.006+/-0.008 χ^2/NDF: 45.5/45



Right In: 47.049+/-0.012 χ^2/NDF: 1016323.6/17

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

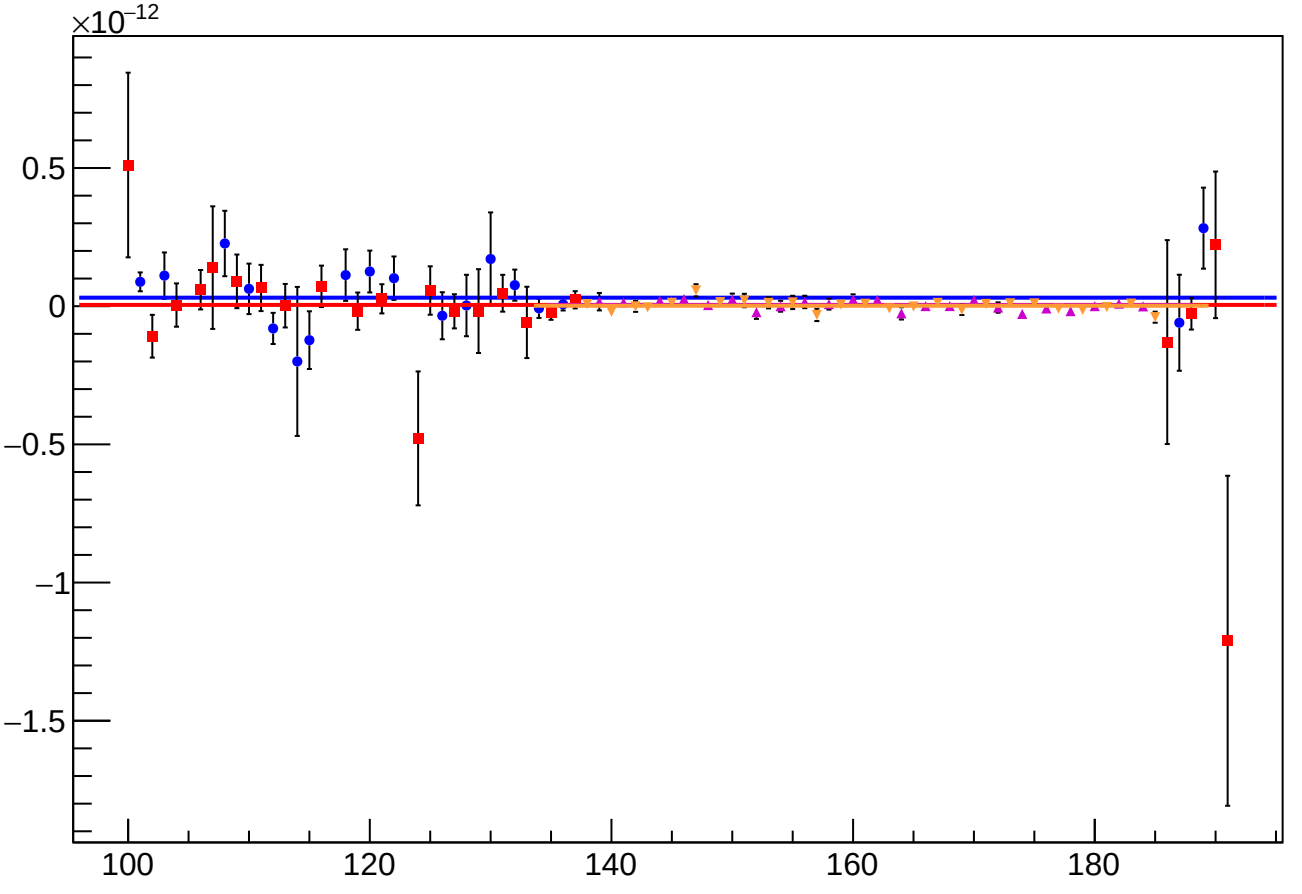
Right Out: 47.359+/-0.011 χ^2/NDF: 728393.1/22

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

+ sign 41.561+/-0.006 χ^2/NDF: 3745315.9/42

All: 41.658+/-0.004 χ^2/NDF: 6722326.6/88

- sign 41.753+/-0.006 χ^2/NDF: 2976484.3/45



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:28.0/24

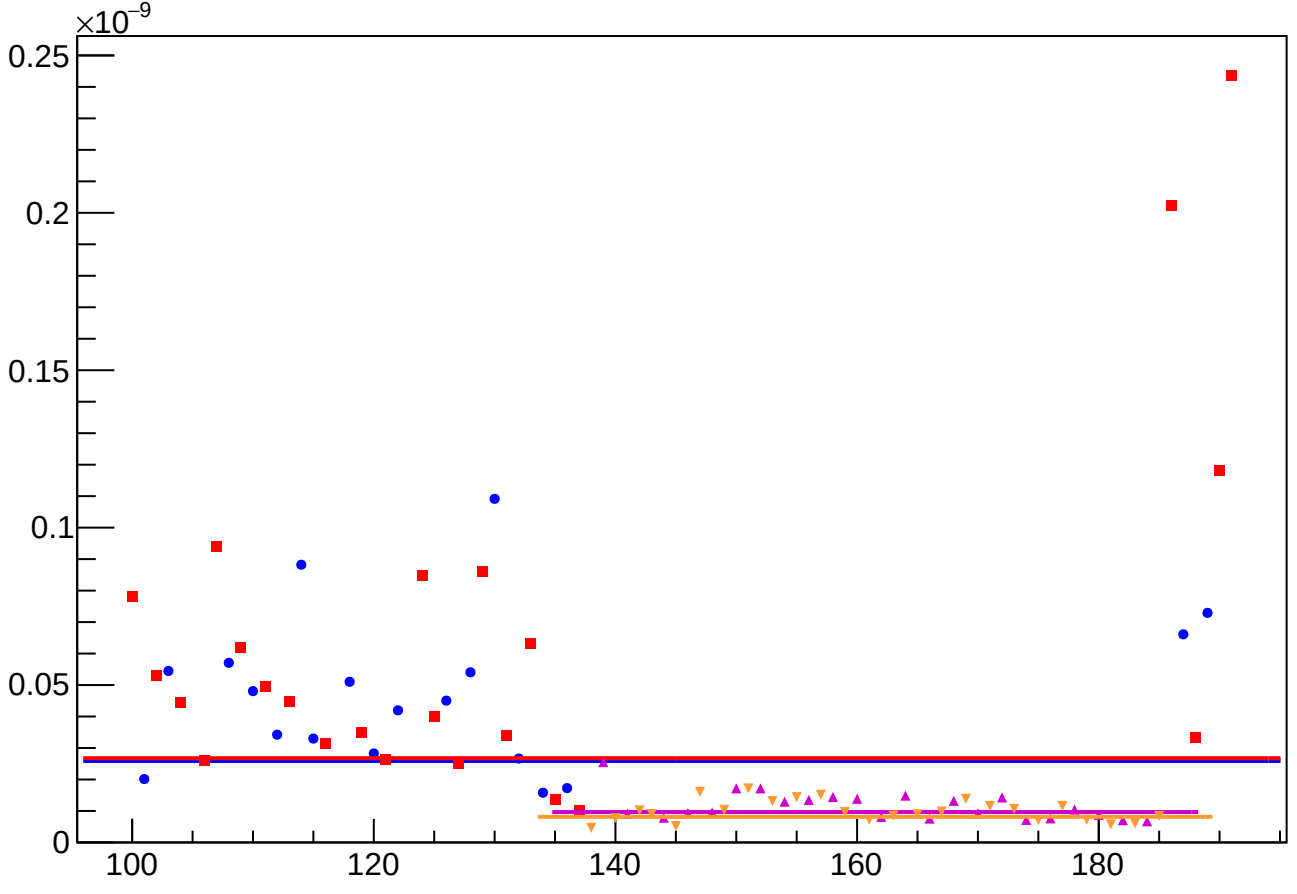
Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/22

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: 103.8/88

- sign 0.000+/-0.000 χ^2/NDF: 47.0/45



Right In: 0.000+/-0.000 χ^2/NDF: 2435799.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:2354980.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3784008.5/22

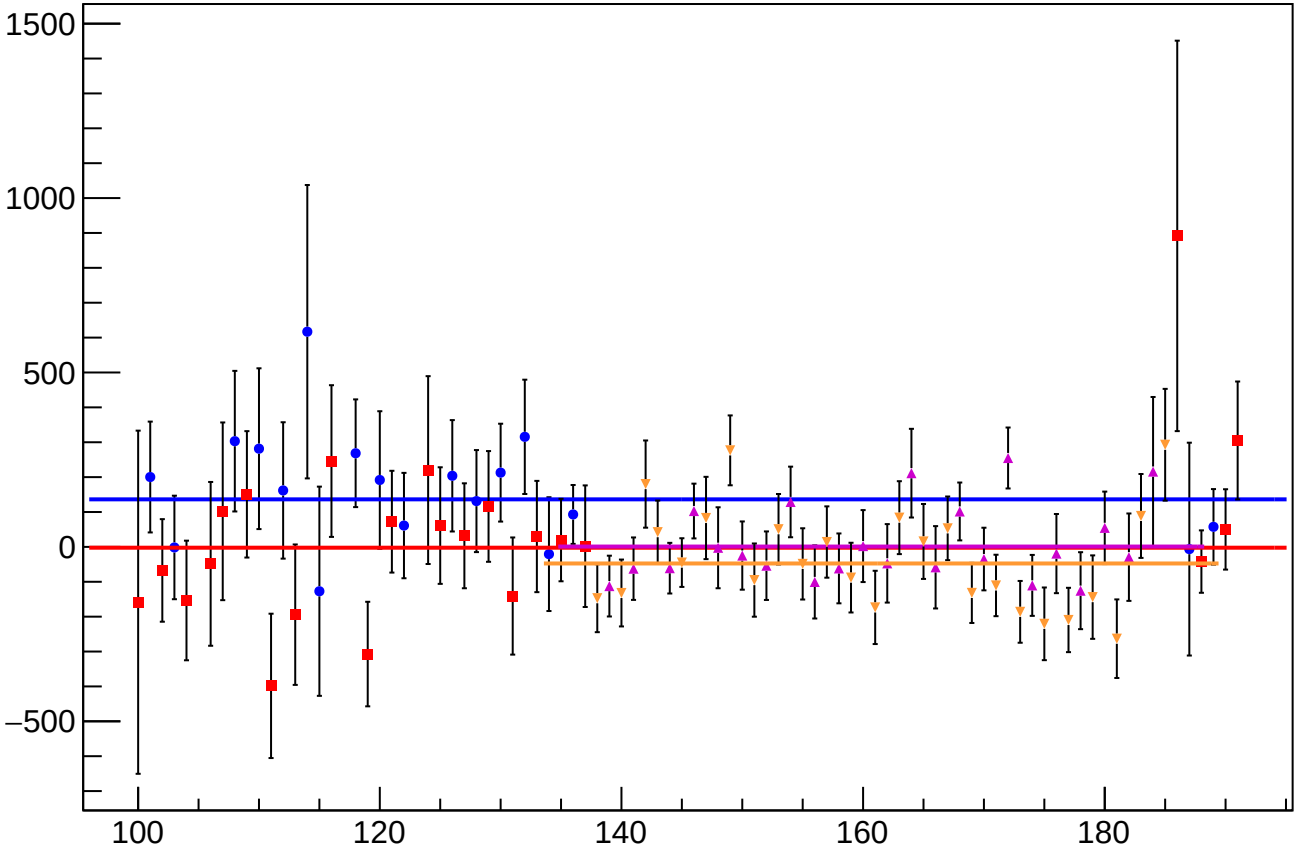
Left In: 0.000+/-0.000 χ^2/NDF:2106161.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 8162047.6/42

All: 0.000+/-0.000 χ^2/NDF: 17312392.5/88

- sign 0.000+/-0.000 χ^2/NDF: 8785097.0/45

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: -2.307+/-34.092 χ^2/NDF: 20.7/22

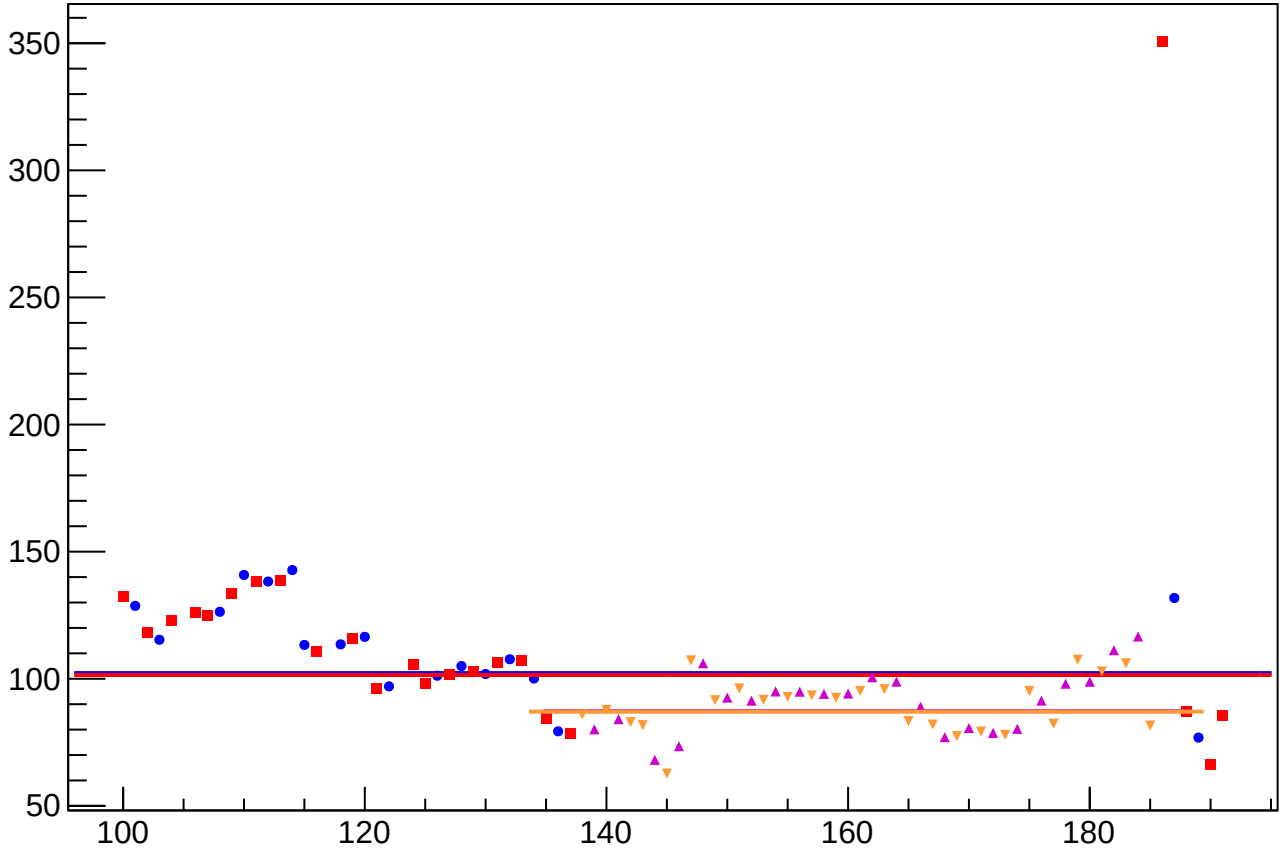
Left In: 0.986+/-20.604 χ^2/NDF:25.5/22

+ sign -5.989+/-17.581 χ^2/NDF: 72.0/42

All: -2.951+/-12.450 χ^2/NDF: 118.2/88

- sign 0.105+/-17.634 χ^2/NDF: 46.2/45

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

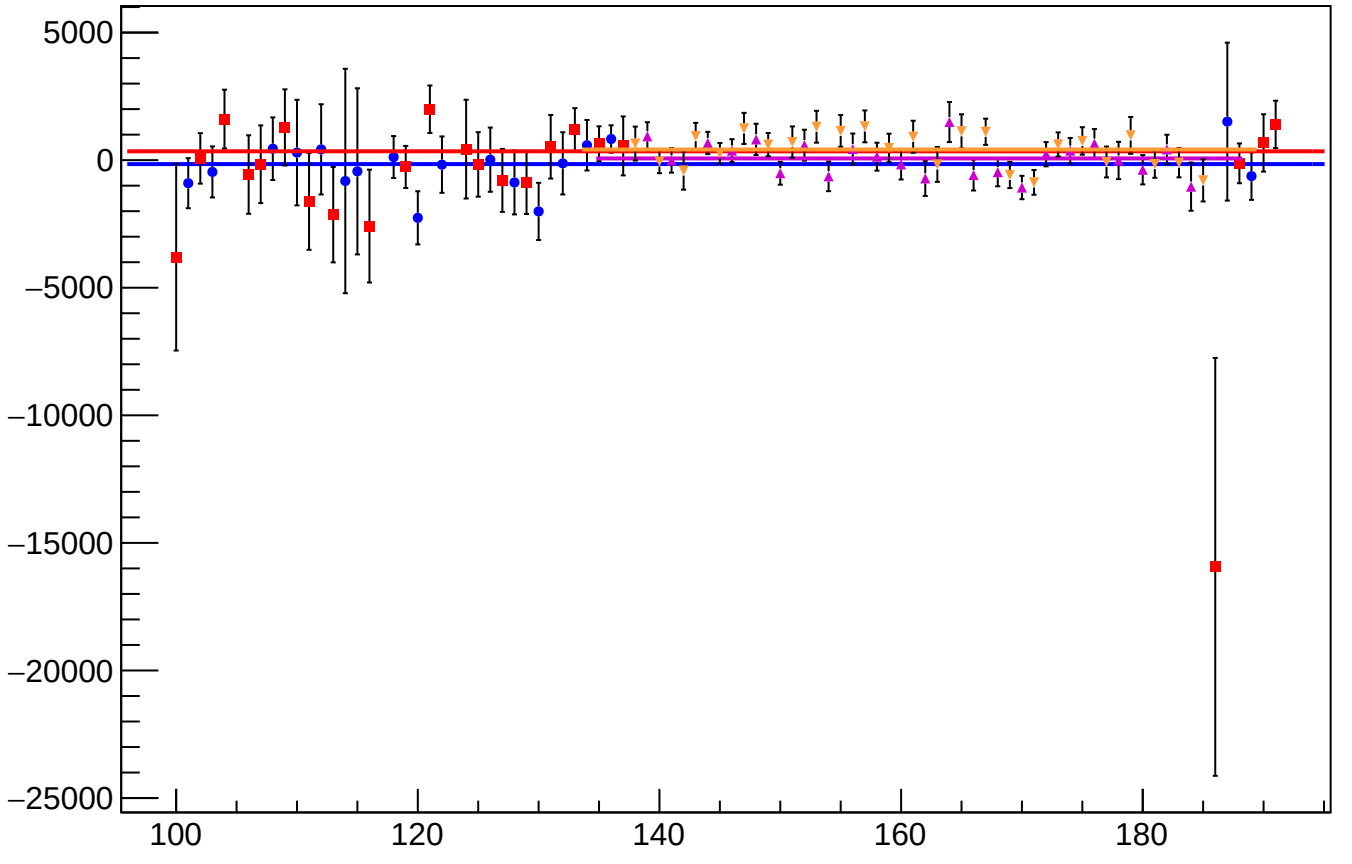
Right Out: 101.479+/-0.024 χ^2/NDF: 1059237.3/22

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 90.498+/-0.012 χ^2/NDF: 1428656.3/42

All: 90.779+/-0.009 χ^2/NDF: 3339673.5/88

- sign 91.062+/-0.012 χ^2/NDF: 1909991.3/45



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: 346.672+/-240.287 χ^2/NDF: 20.7/22

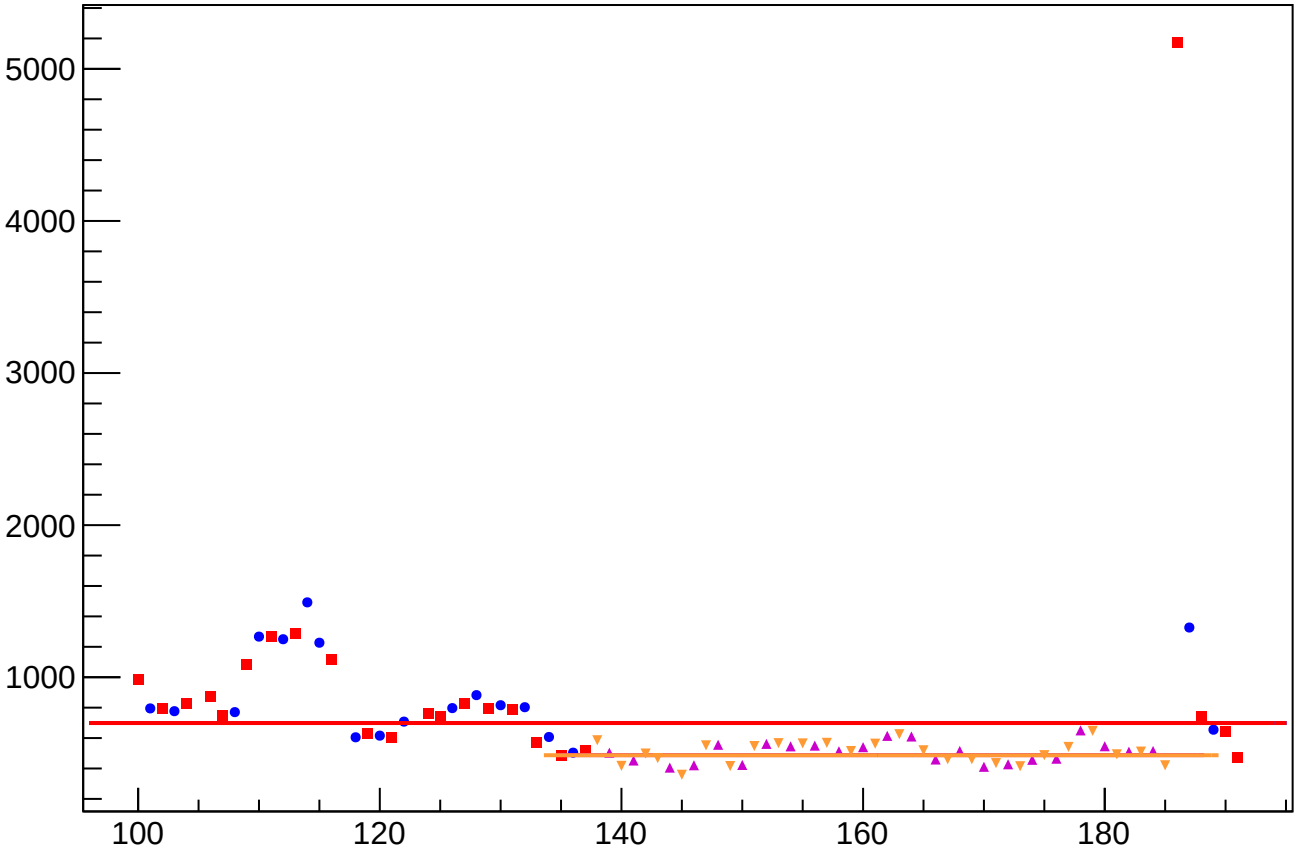
Left In: 66.675+/-115.419 χ^2/NDF:27.5/22

+ sign 324.932+/-102.945 χ^2/NDF: 49.4/42

All: 223.137+/-73.177 χ^2/NDF: 100.7/88

- sign 119.166+/-104.039 χ^2/NDF: 49.3/45

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: 698.851+/-0.170 χ^2/NDF: 1769666.0/22

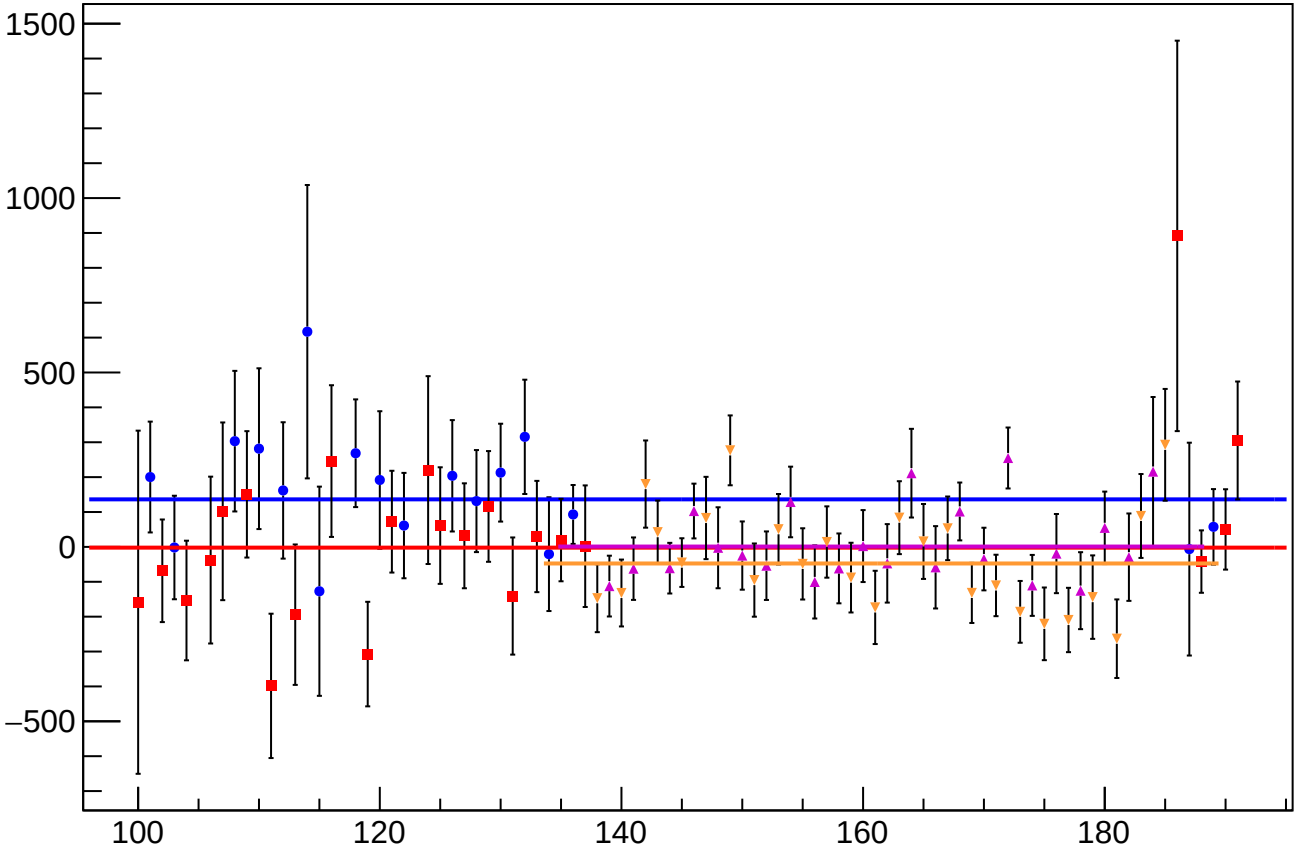
Left In: 487.930+/-0.082 χ^2/NDF:634269.5/22

+ sign 521.051+/-0.073 χ^2/NDF: 2962486.8/42

All: 524.227+/-0.052 χ^2/NDF: 6622394.4/88

- sign 527.472+/-0.074 χ^2/NDF: 3656058.4/45

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: -2.110+/-34.106 χ^2/NDF: 20.7/22

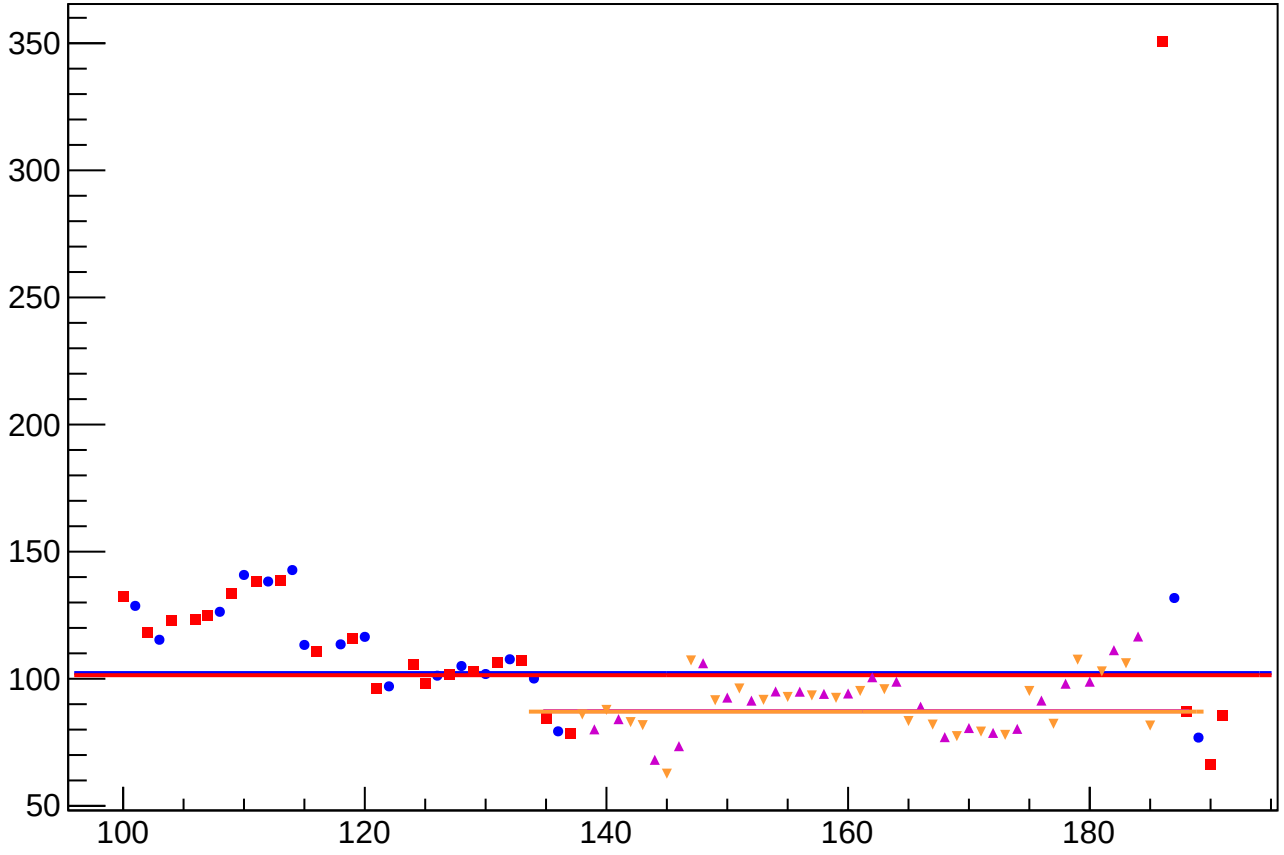
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -5.998+/-17.581 χ^2/NDF: 72.0/42

All: -2.929+/-12.451 χ^2/NDF: 118.2/88

- sign 0.160+/-17.635 χ^2/NDF: 46.2/45

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

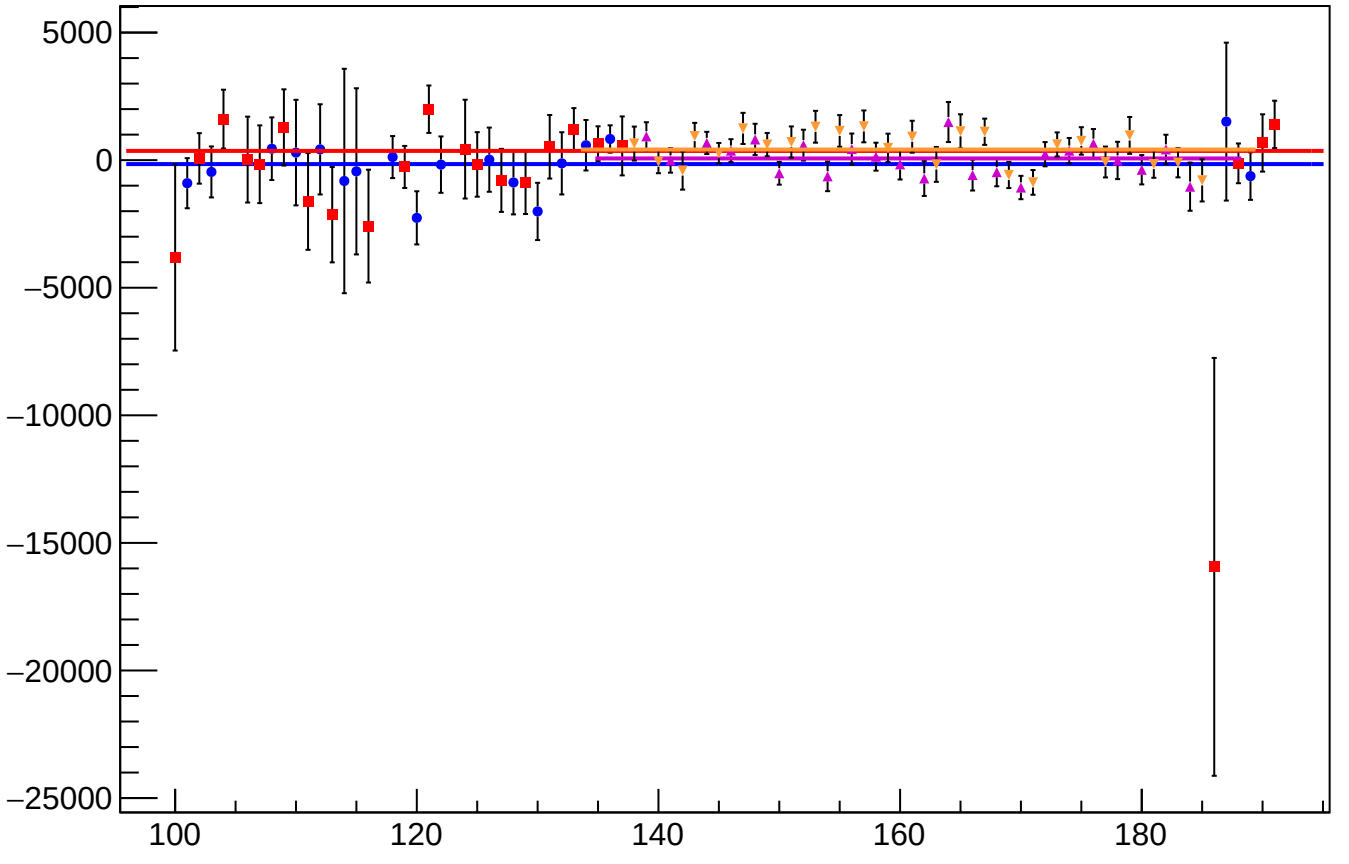
Right Out: 101.404+/-0.024 χ^2/NDF: 1053945.0/22

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 90.498+/-0.012 χ^2/NDF: 1428656.7/42

All: 90.768+/-0.009 χ^2/NDF: 3331472.3/88

- sign 91.039+/-0.012 χ^2/NDF: 1901869.3/45



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: 362.321+/-240.783 χ^2/NDF: 20.4/22

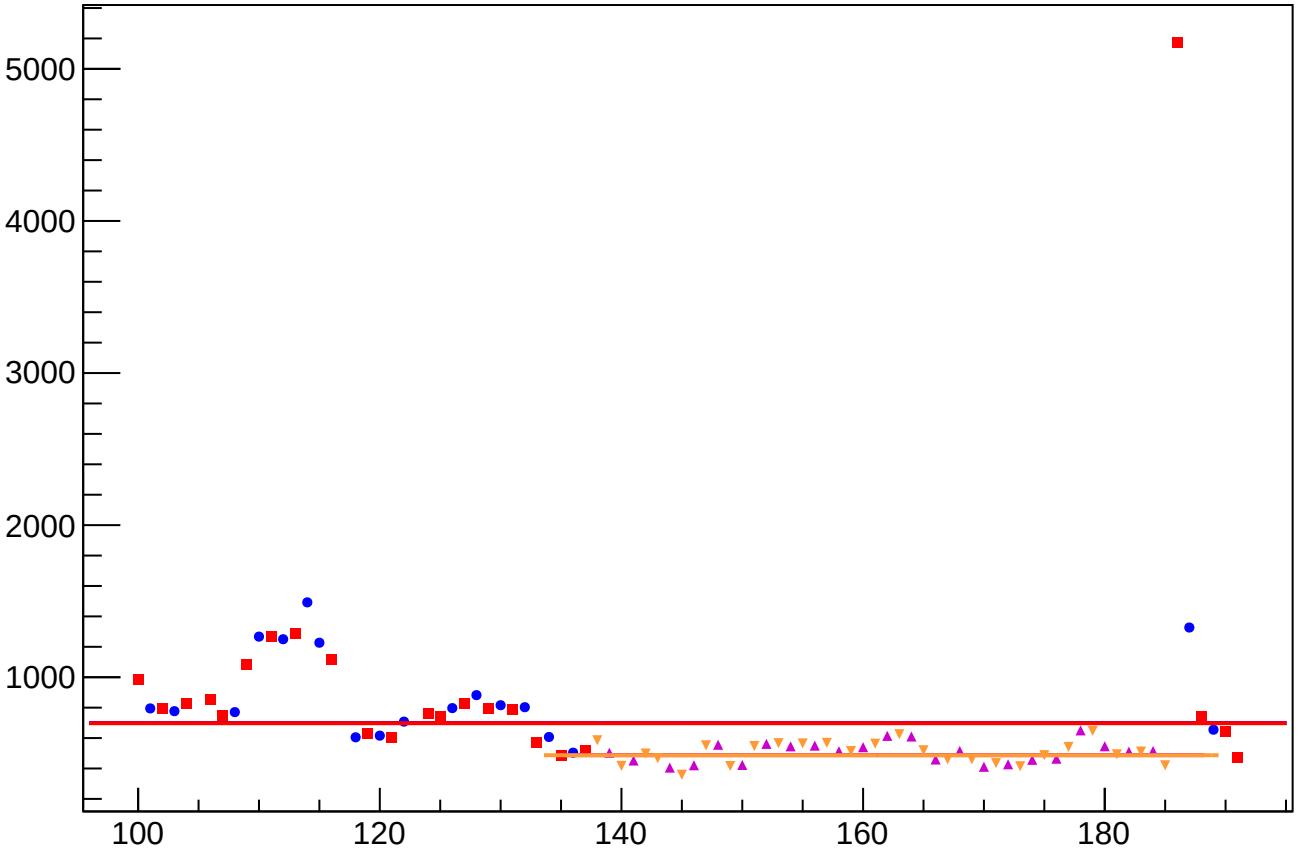
Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

+ sign 324.926+/-102.945 χ^2/NDF: 49.4/42

All: 224.533+/-73.191 χ^2/NDF: 100.5/88

- sign 121.914+/-104.079 χ^2/NDF: 49.1/45

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: 697.743+/-0.170 χ^2/NDF: 1760743.9/22

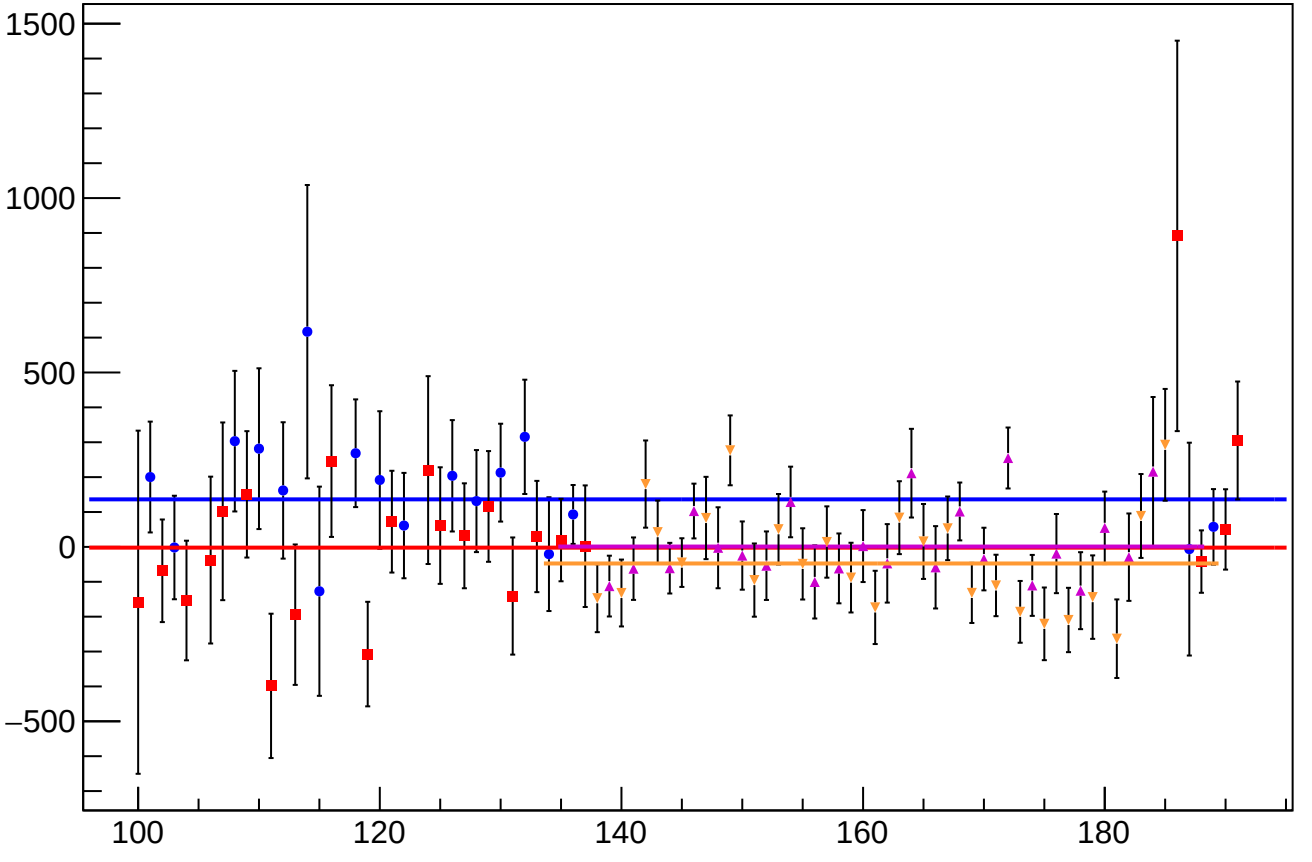
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 521.051+/-0.073 χ^2/NDF: 2962493.5/42

All: 524.058+/-0.052 χ^2/NDF: 6595817.1/88

- sign 527.132+/-0.074 χ^2/NDF: 3629871.9/45

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: -2.110+/-34.106 χ^2/NDF: 20.7/22

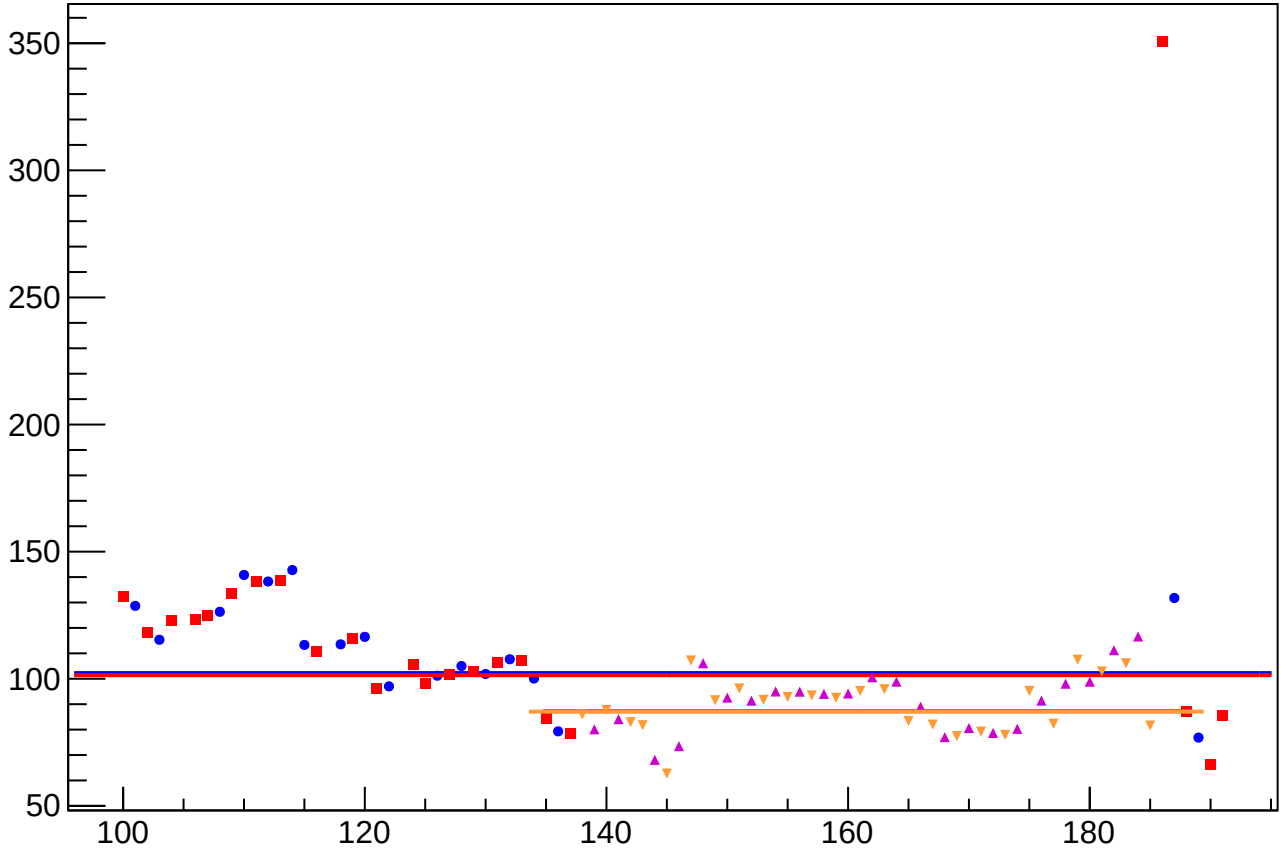
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -5.998+/-17.581 χ^2/NDF: 72.0/42

All: -2.929+/-12.451 χ^2/NDF: 118.2/88

- sign 0.160+/-17.635 χ^2/NDF: 46.2/45

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

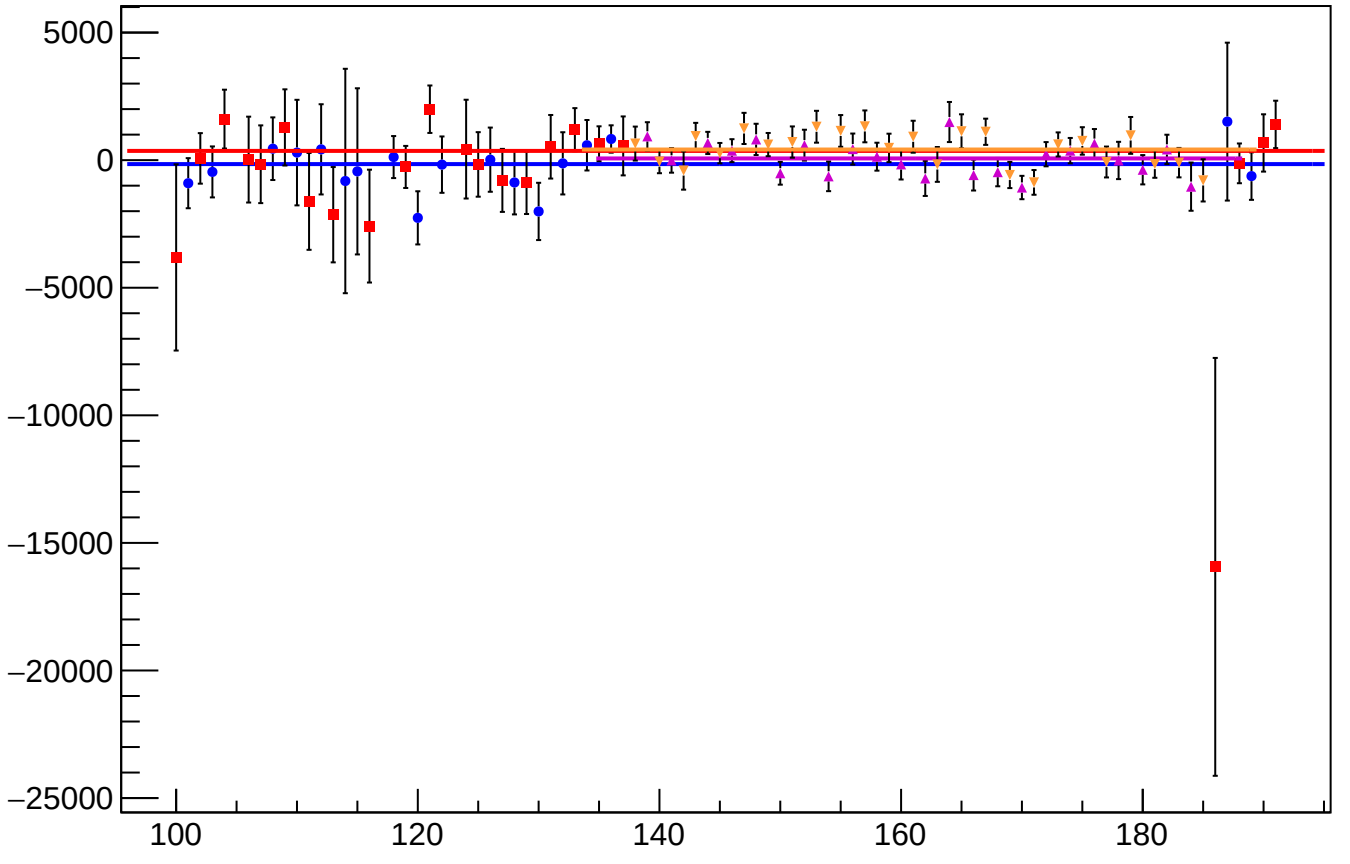
Right Out: 101.404+/-0.024 χ^2/NDF: 1053945.0/22

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 90.498+/-0.012 χ^2/NDF: 1428656.7/42

All: 90.768+/-0.009 χ^2/NDF: 3331472.3/88

- sign 91.039+/-0.012 χ^2/NDF: 1901869.3/45



Right In: -154.643+/-257.192 χ^2/NDF: 12.9/17

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

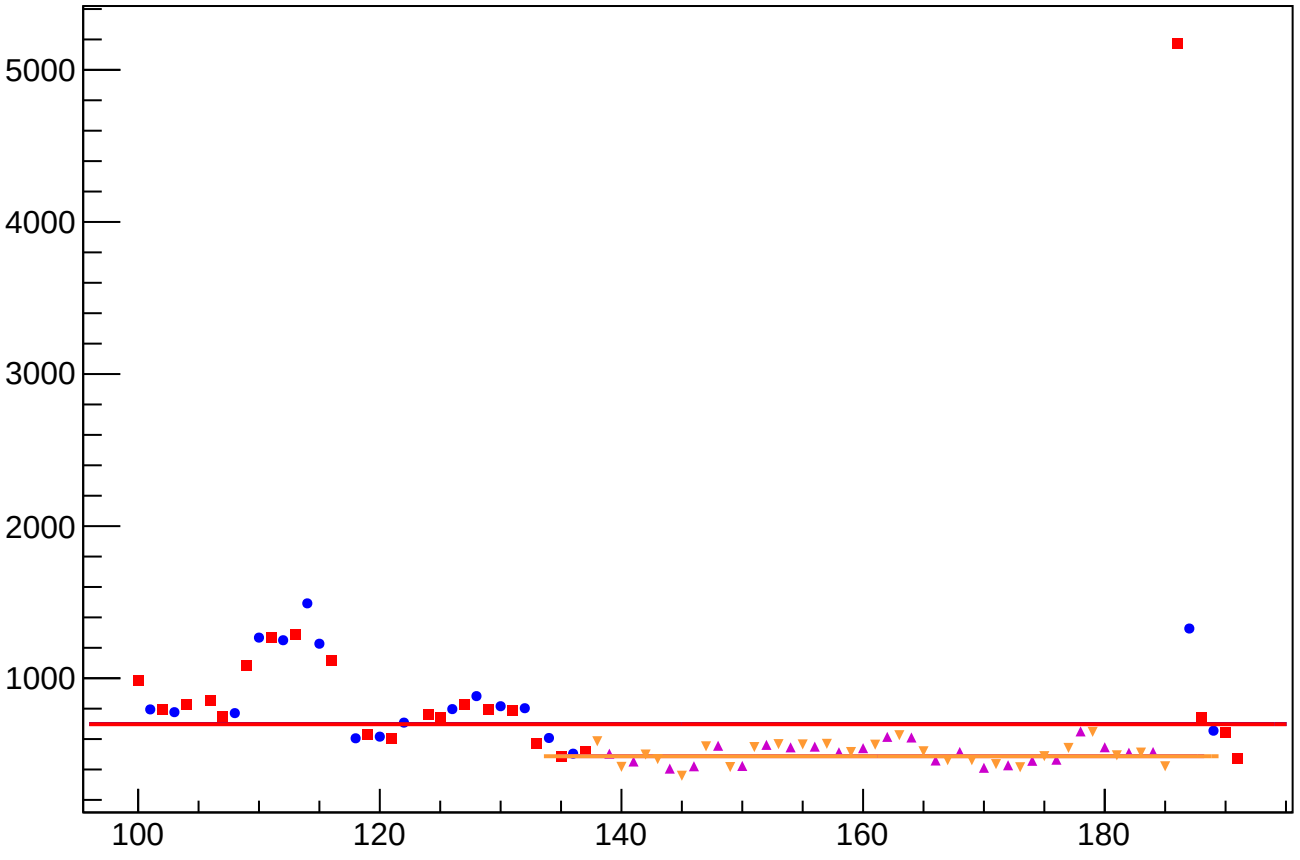
Right Out: 362.321+/-240.783 χ^2/NDF: 20.4/22

Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

+ sign 324.926+/-102.945 χ^2/NDF: 49.4/42

All: 224.533+/-73.191 χ^2/NDF: 100.5/88

- sign 121.914+/-104.079 χ^2/NDF: 49.1/45



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: 697.743+/-0.170 χ^2/NDF: 1760743.9/22

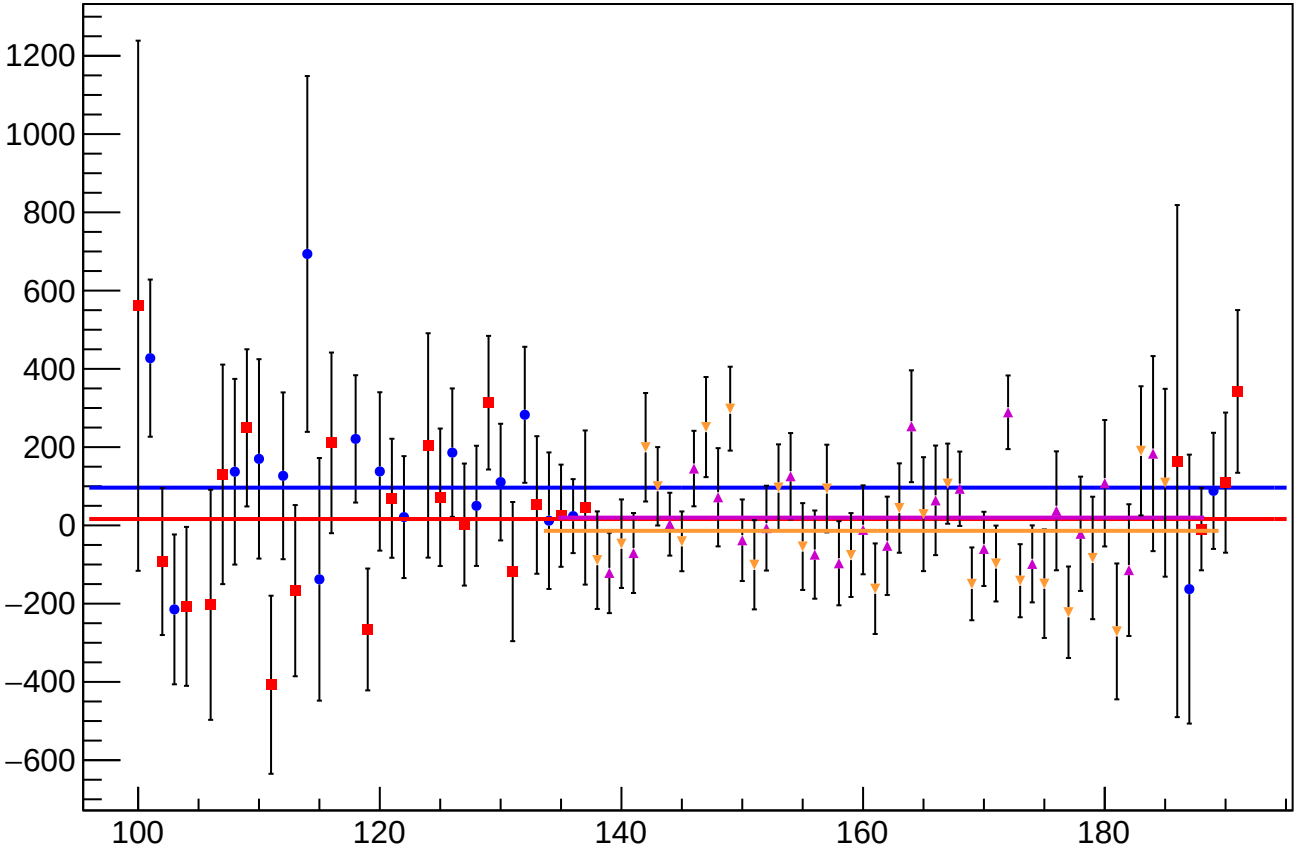
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 521.051+/-0.073 χ^2/NDF: 2962493.5/42

All: 524.058+/-0.052 χ^2/NDF: 6595817.1/88

- sign 527.132+/-0.074 χ^2/NDF: 3629871.9/45

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: 16.288+/-38.851 χ^2/NDF: 19.6/22

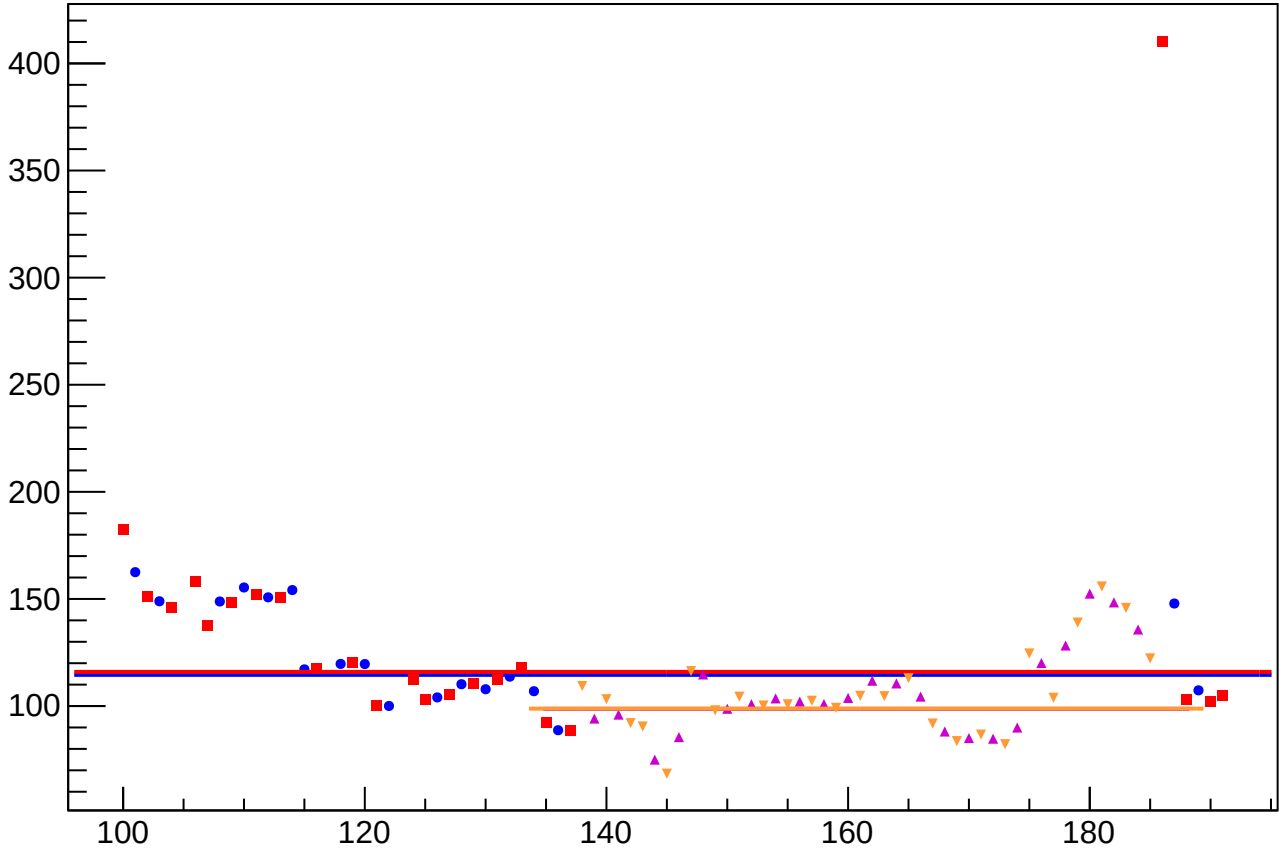
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

\+ sign 11.926+/-20.055 χ^2/NDF: 53.4/42

All: 15.376+/-14.215 χ^2/NDF: 96.4/88

\- sign 18.859+/-20.152 χ^2/NDF: 42.9/45

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: 115.949+/-0.027 χ^2/NDF: 941415.5/22

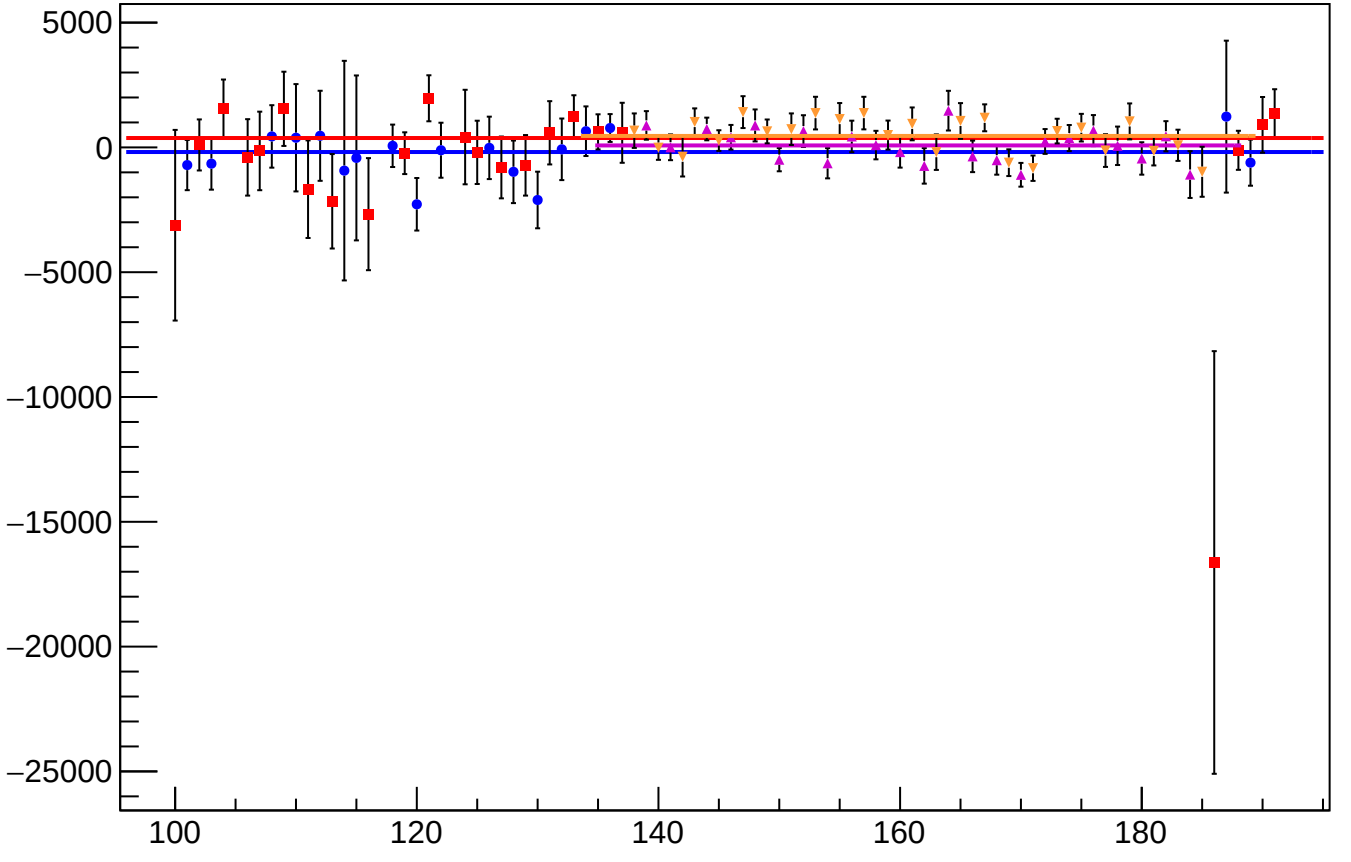
Left In: 98.673+/-0.017 χ^2/NDF:987817.0/22

+ sign 102.490+/-0.014 χ^2/NDF: 1963004.5/42

All: 102.904+/-0.010 χ^2/NDF: 4183024.2/88

- sign 103.321+/-0.014 χ^2/NDF: 2218311.8/45

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: 376.093+/-243.744 χ^2/NDF: 19.9/22

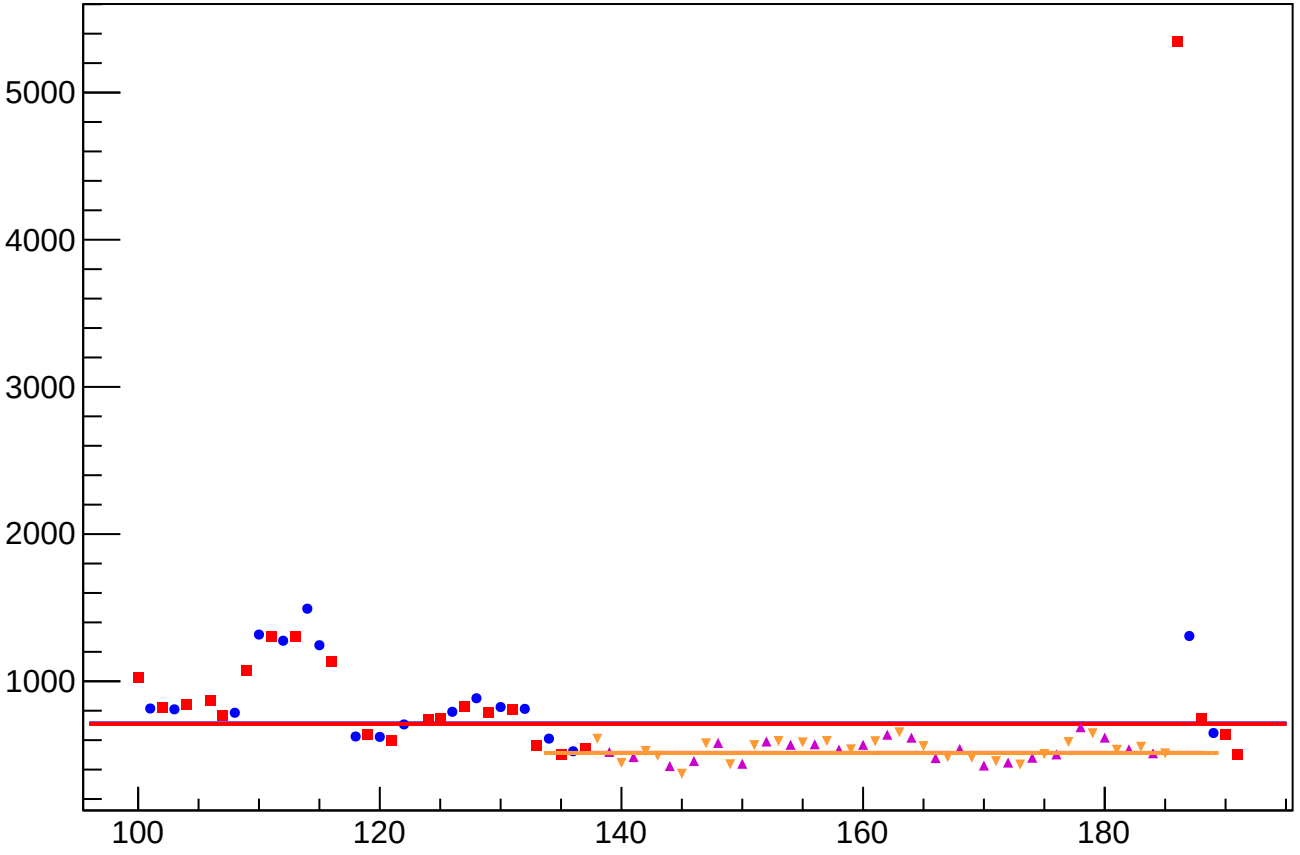
Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

+ sign 350.440+/-107.691 χ^2/NDF: 48.2/42

All: 245.160+/-76.501 χ^2/NDF: 97.5/88

- sign 137.911+/-108.694 χ^2/NDF: 47.3/45

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: 710.231+/-0.172 χ^2/NDF: 1724193.2/22

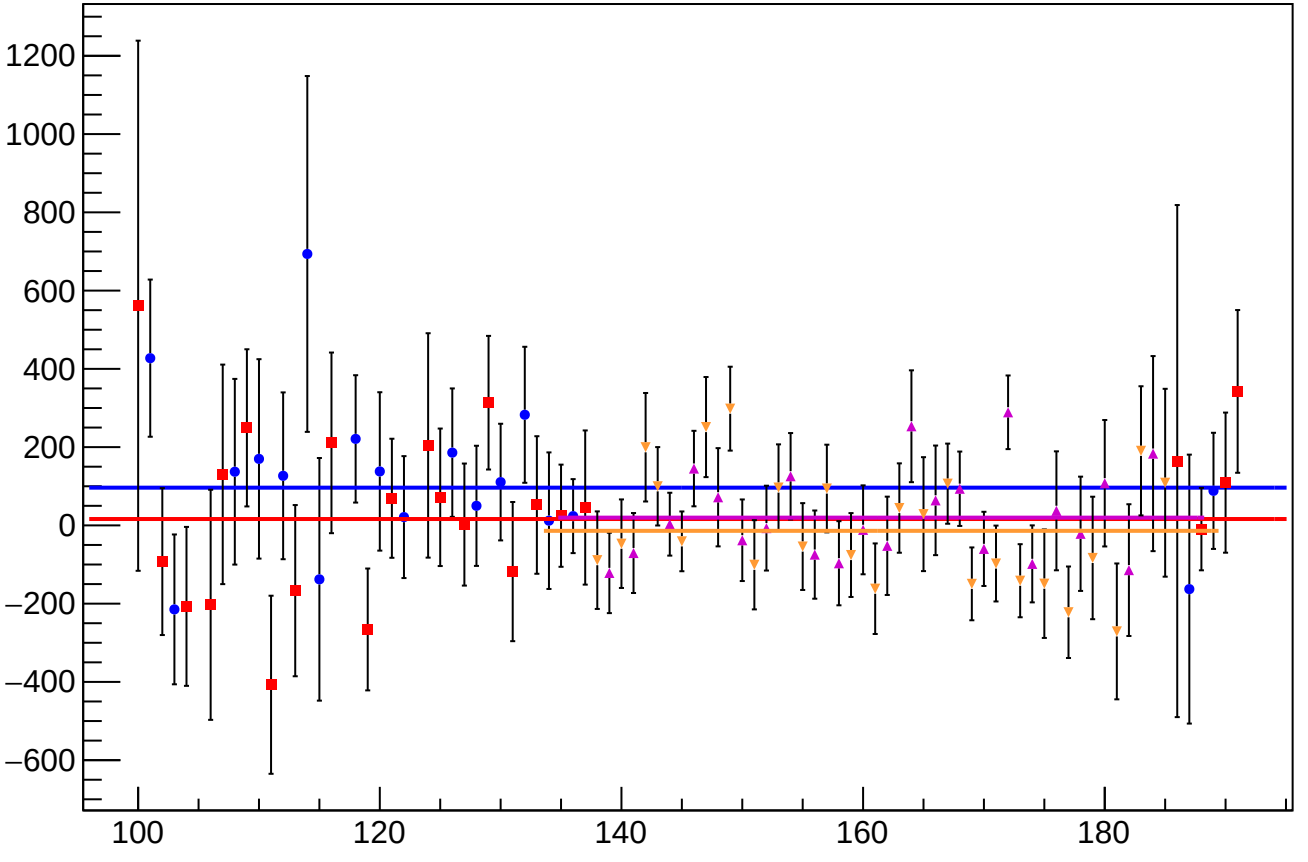
Left In: 513.375+/-0.086 χ^2/NDF:634000.2/22

+ sign 546.667+/-0.076 χ^2/NDF: 2738313.8/42

All: 549.567+/-0.054 χ^2/NDF: 6144571.8/88

- sign 552.521+/-0.077 χ^2/NDF: 3403330.4/45

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: 16.288+/-38.851 χ^2/NDF: 19.6/22

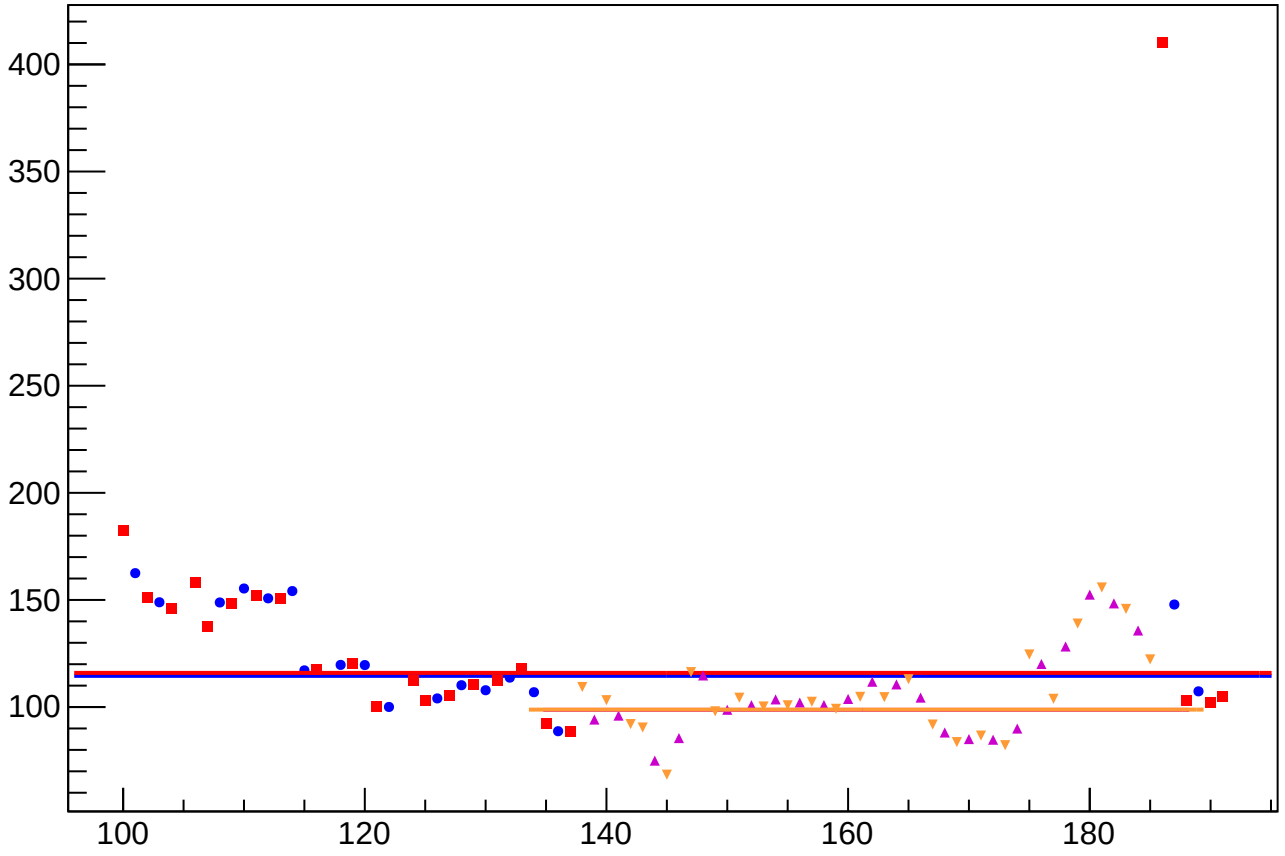
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

\+ sign 11.924+/-20.055 χ^2/NDF: 53.4/42

All: 15.375+/-14.215 χ^2/NDF: 96.4/88

\- sign 18.859+/-20.152 χ^2/NDF: 42.9/45

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

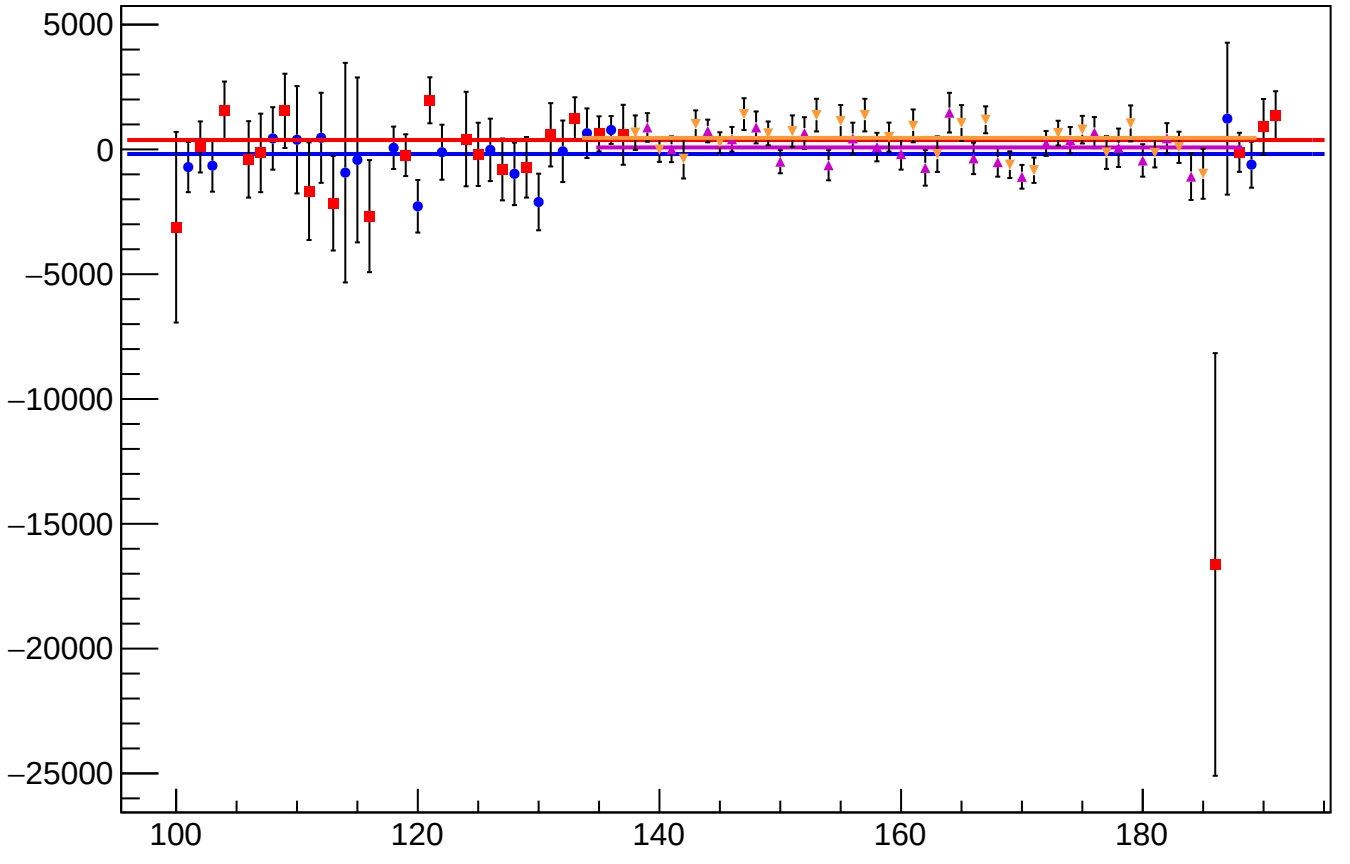
Right Out: 115.949+/-0.027 χ^2/NDF: 941403.5/22

Left In: 98.673+/-0.017 χ^2/NDF:987808.4/22

+ sign 102.490+/-0.014 χ^2/NDF: 1963000.0/42

All: 102.904+/-0.010 χ^2/NDF: 4182999.7/88

- sign 103.321+/-0.014 χ^2/NDF: 2218291.8/45



Right In: -185.096+/-262.218 χ^2/NDF: 12.4/17

Left Out: 459.092+/-118.111 χ^2/NDF:30.8/24

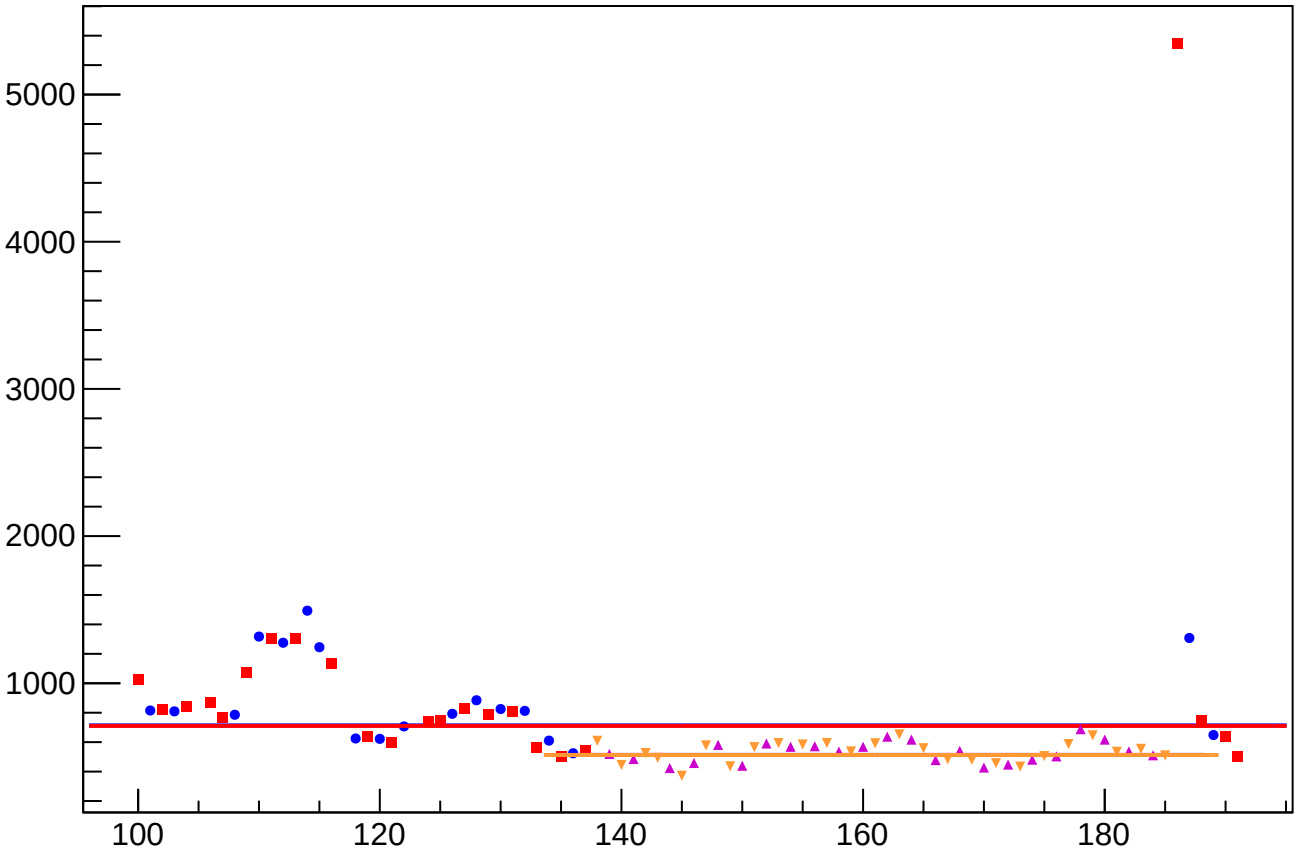
Right Out: 376.092+/-243.744 χ^2/NDF: 19.9/22

Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

+ sign 350.438+/-107.691 χ^2/NDF: 48.2/42

All: 245.160+/-76.501 χ^2/NDF: 97.5/88

- sign 137.911+/-108.694 χ^2/NDF: 47.3/45



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: 710.231+/-0.172 χ^2/NDF: 1724184.7/22

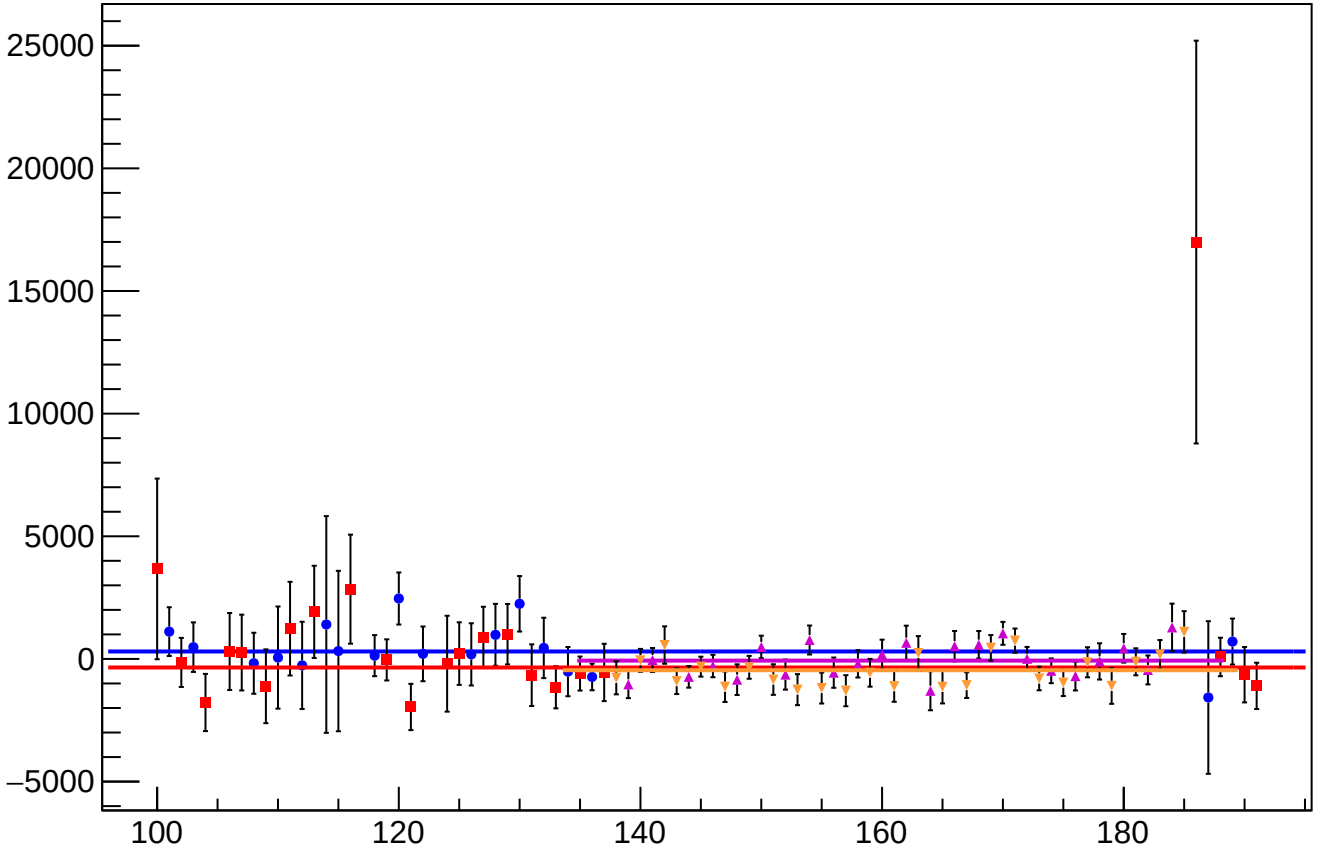
Left In: 513.374+/-0.086 χ^2/NDF:633997.9/22

+ sign 546.667+/-0.076 χ^2/NDF: 2738308.6/42

All: 549.567+/-0.054 χ^2/NDF: 6144552.3/88

- sign 552.521+/-0.077 χ^2/NDF: 3403316.1/45

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: -348.857+/-243.223 χ^2/NDF: 19.5/22

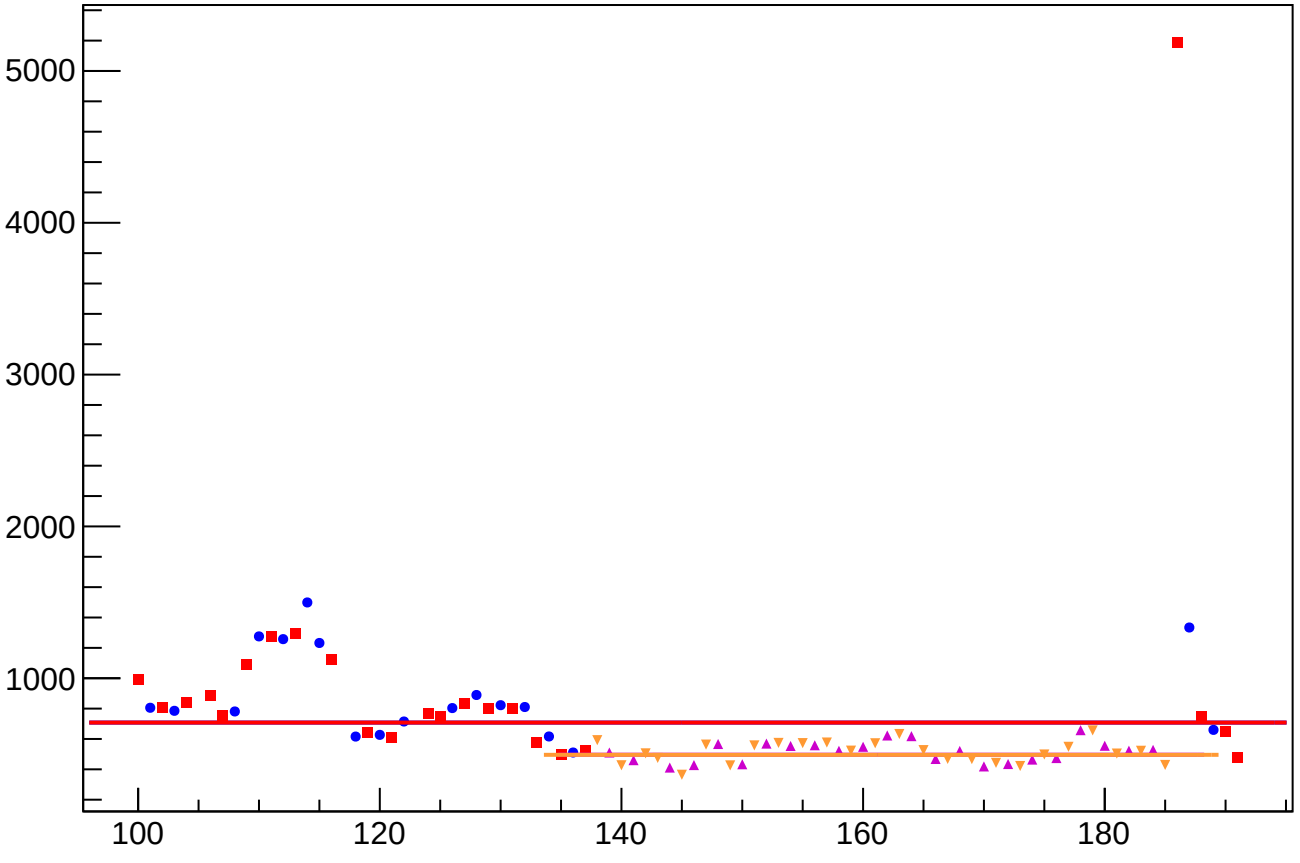
Left In: -68.043+/-117.366 χ^2/NDF:28.6/22

+ sign -336.428+/-104.601 χ^2/NDF: 51.4/42

All: -229.883+/-74.351 χ^2/NDF: 102.7/88

- sign -121.081+/-105.703 χ^2/NDF: 49.2/45

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

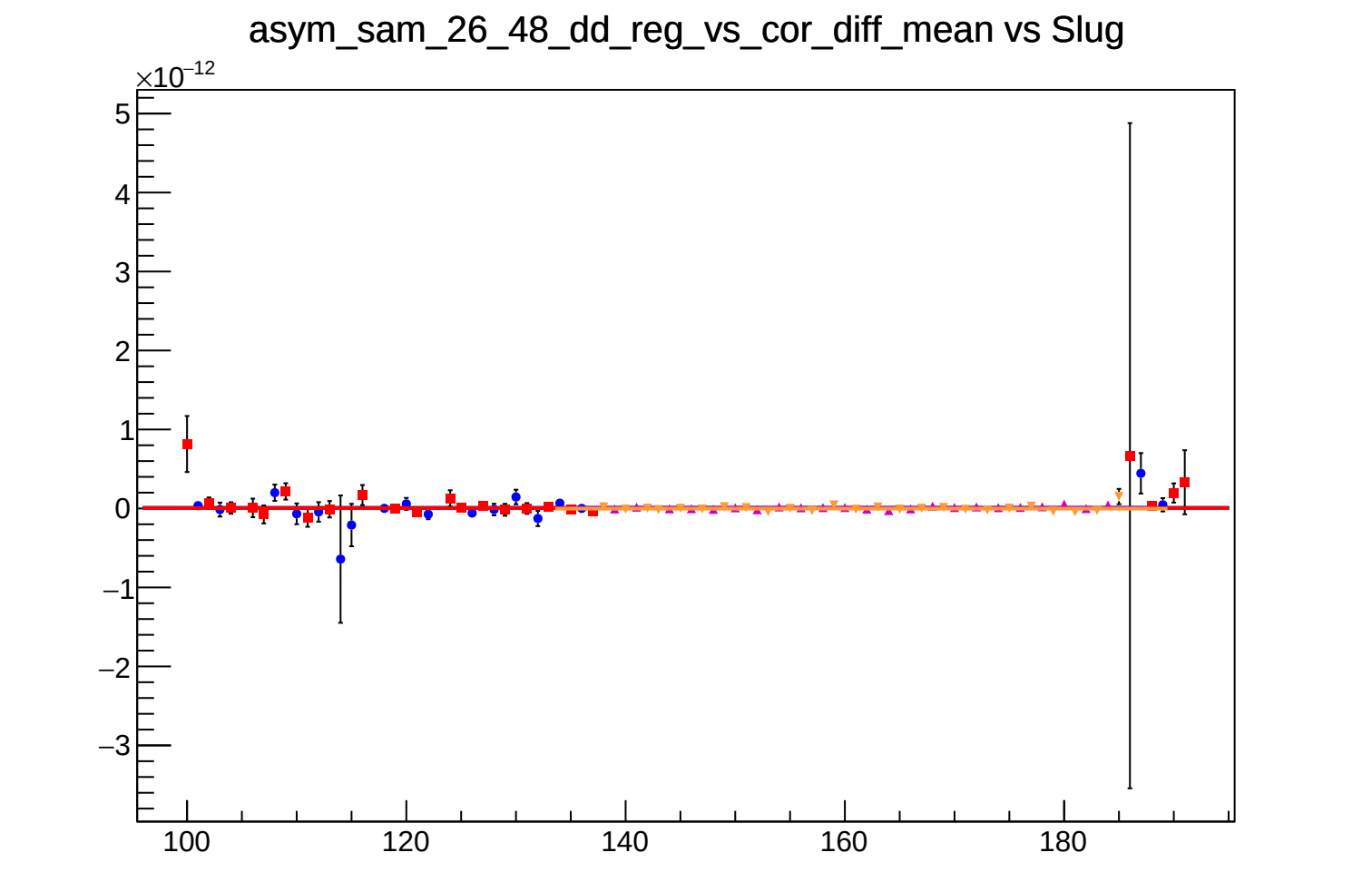
Right Out: 707.962+/-0.172 χ^2/NDF: 1745461.9/22

Left In: 496.307+/-0.083 χ^2/NDF:622356.2/22

+ sign 529.827+/-0.074 χ^2/NDF: 2904919.8/42

All: 533.021+/-0.053 χ^2/NDF: 6504986.2/88

- sign 536.283+/-0.075 χ^2/NDF: 3596297.5/45



Right In: 0.000+/-0.000 χ^2/NDF: 20.5/17

Left Out: -0.000+/-0.000 χ^2/NDF:25.1/24

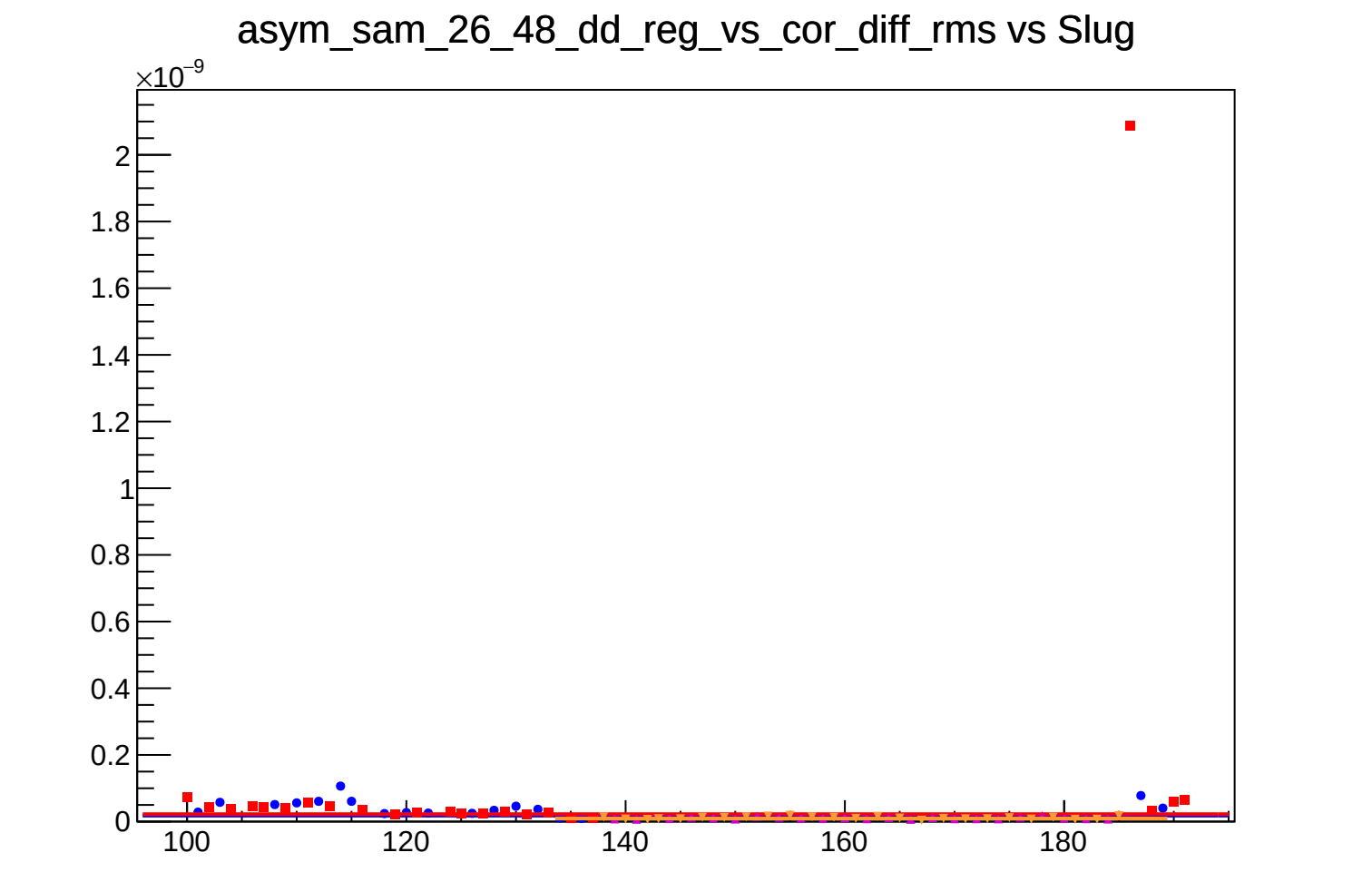
Right Out: 0.000+/-0.000 χ^2/NDF: 21.5/22

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: 86.8/88

- sign 0.000+/-0.000 χ^2/NDF: 37.1/45



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: 2449222.8/22

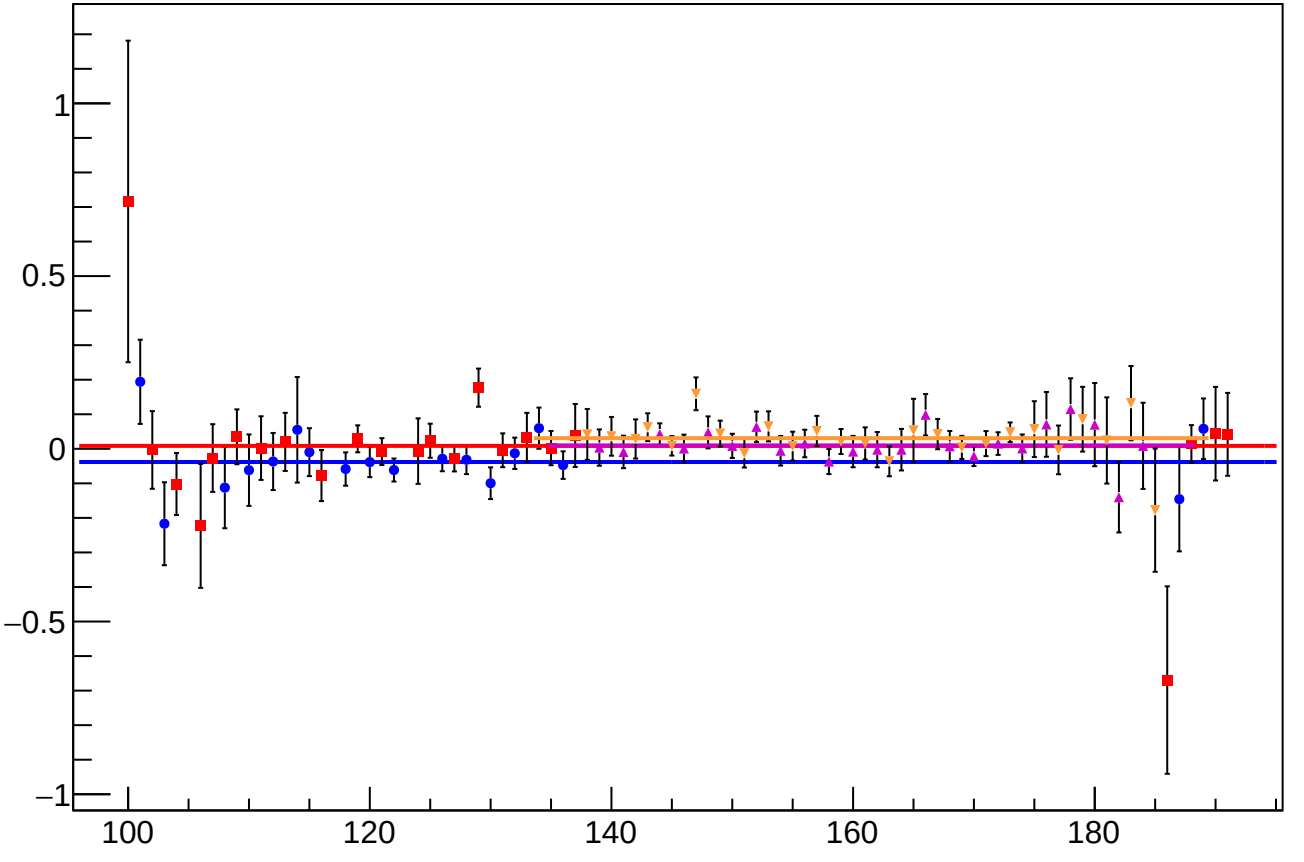
Left In: 0.000+/-0.000 χ^2/NDF:622904.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5509343.3/42

All: 0.000+/-0.000 χ^2/NDF: 10392082.6/88

- sign 0.000+/-0.000 χ^2/NDF: 4833835.4/45

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs Slug



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: 24.7/22

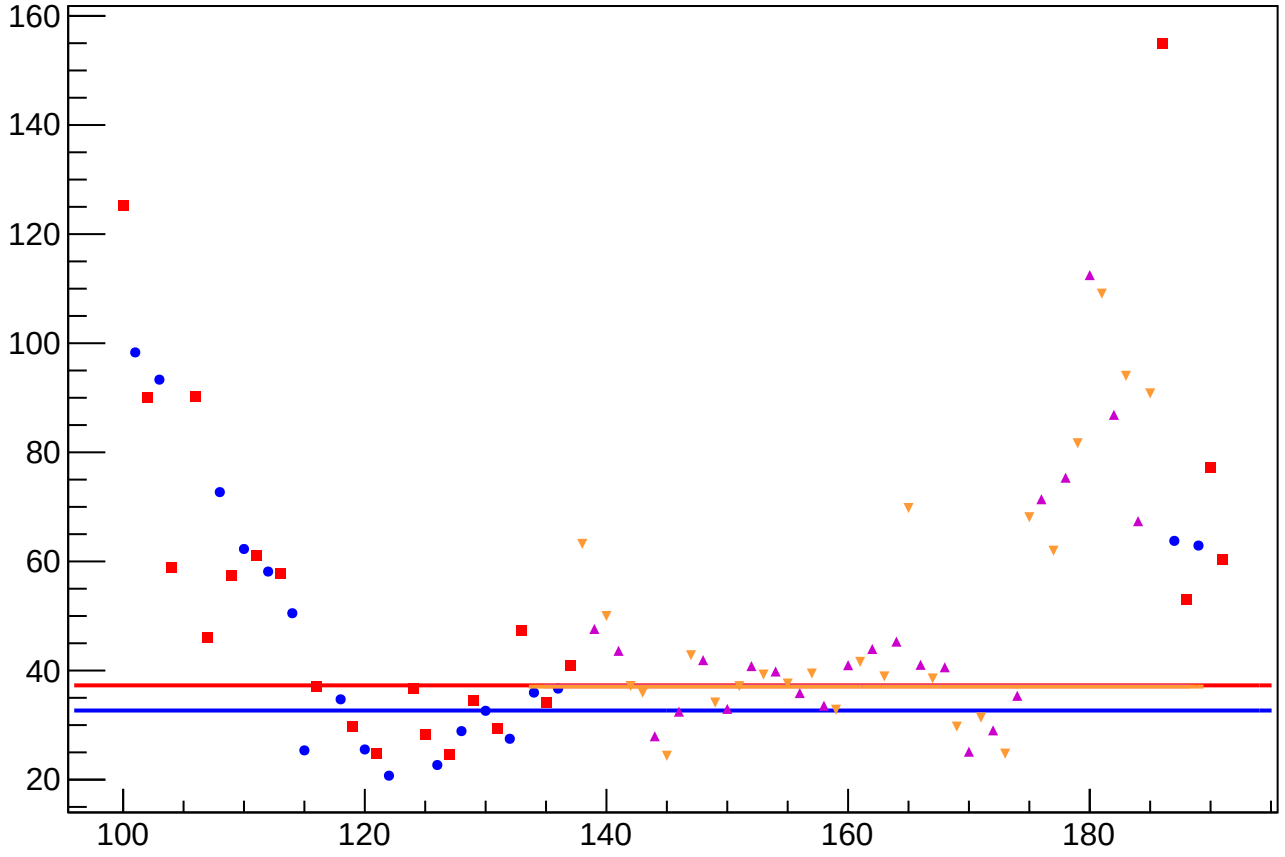
Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.008+/-0.007 χ^2/NDF: 50.9/42

All: 0.009+/-0.005 χ^2/NDF: 88.9/88

- sign 0.009+/-0.008 χ^2/NDF: 37.9/45

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

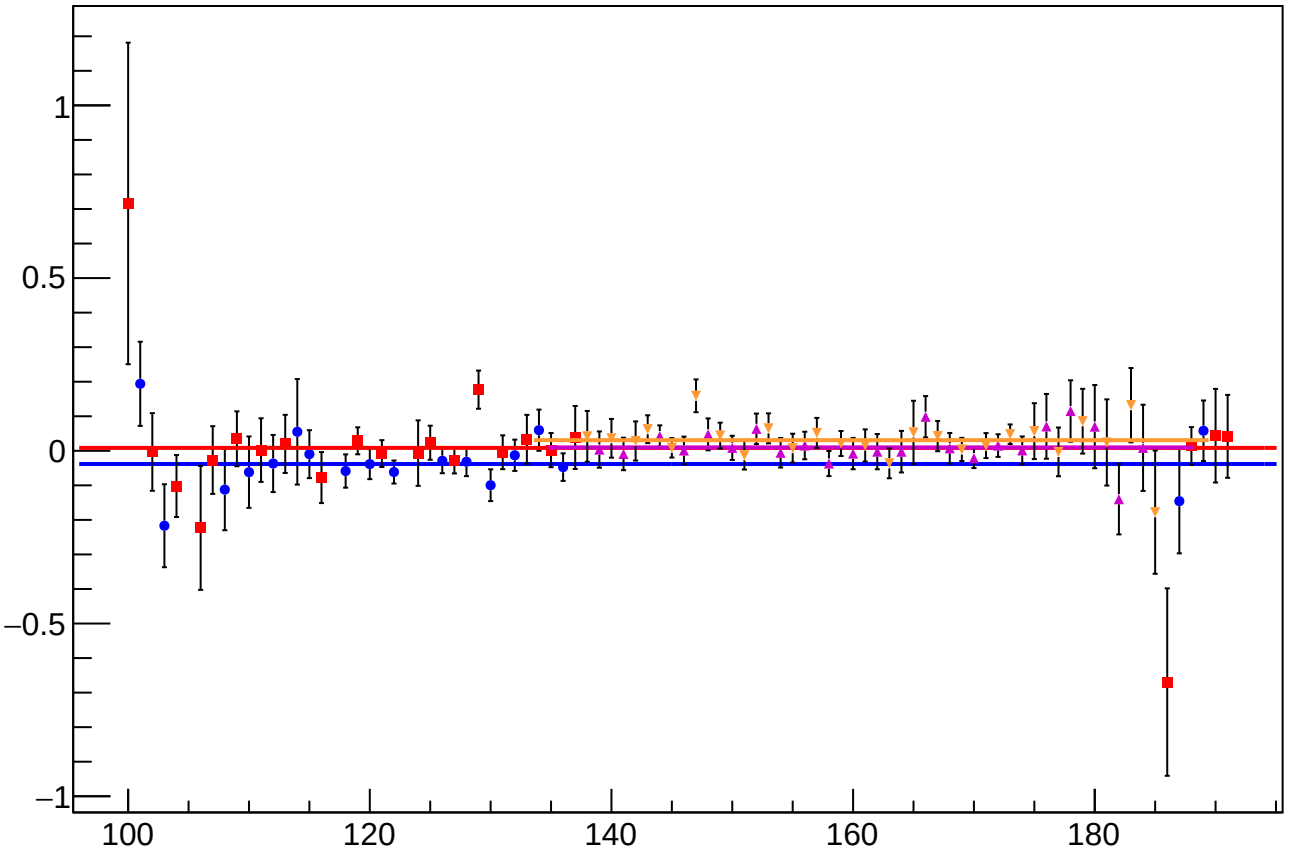
Right Out: 37.282+/-0.010 χ^2/NDF: 2679939.4/22

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 35.605+/-0.005 χ^2/NDF: 6791103.2/42

All: 36.366+/-0.004 χ^2/NDF: 12526960.5/88

- sign 37.177+/-0.005 χ^2/NDF: 5692912.7/45



Right In: -0.038+/-0.013 χ^2/NDF: 14.1/17

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

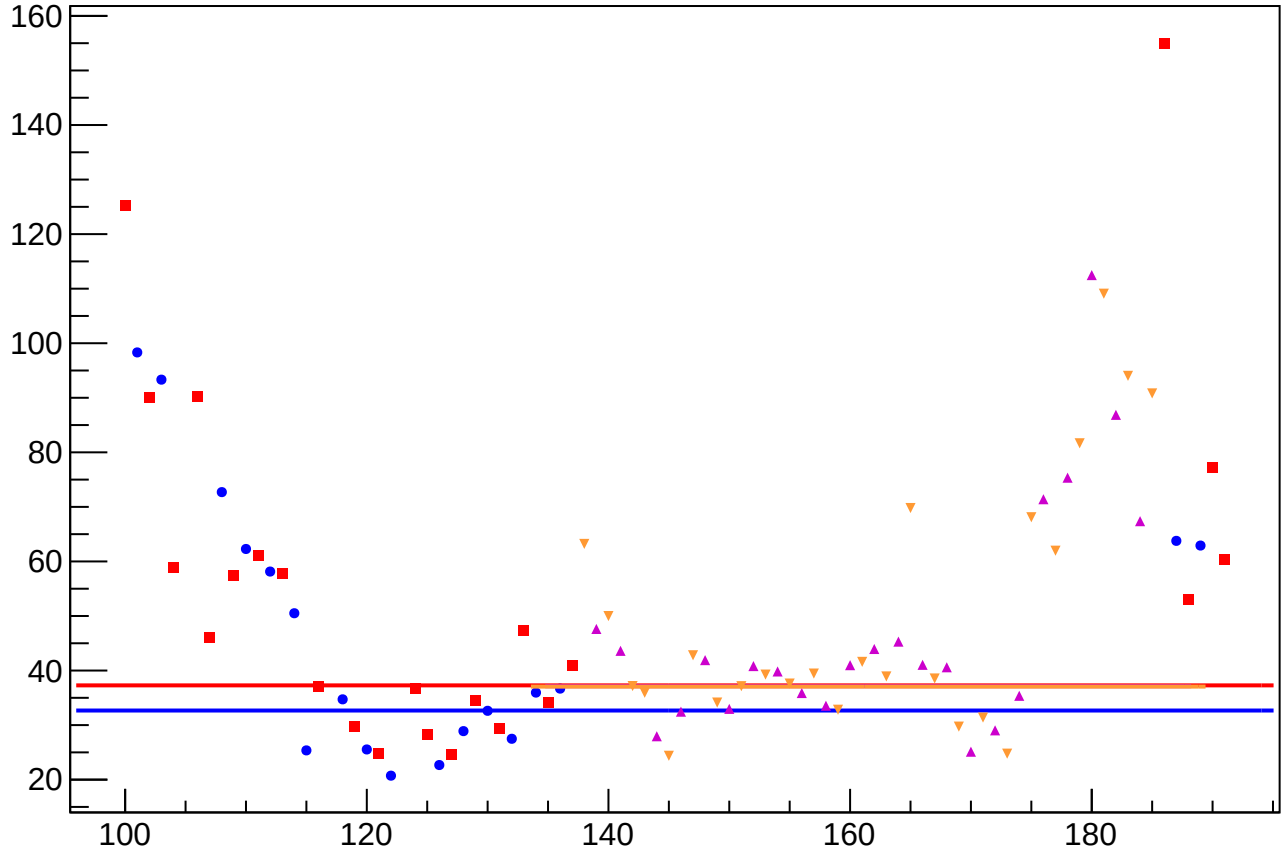
Right Out: 0.008+/-0.014 χ^2/NDF: 24.7/22

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: 88.9/88

- sign 0.009+/-0.008 χ^2/NDF: 37.9/45



Right In: 32.672+/-0.009 χ^2/NDF: 2584433.8/17

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

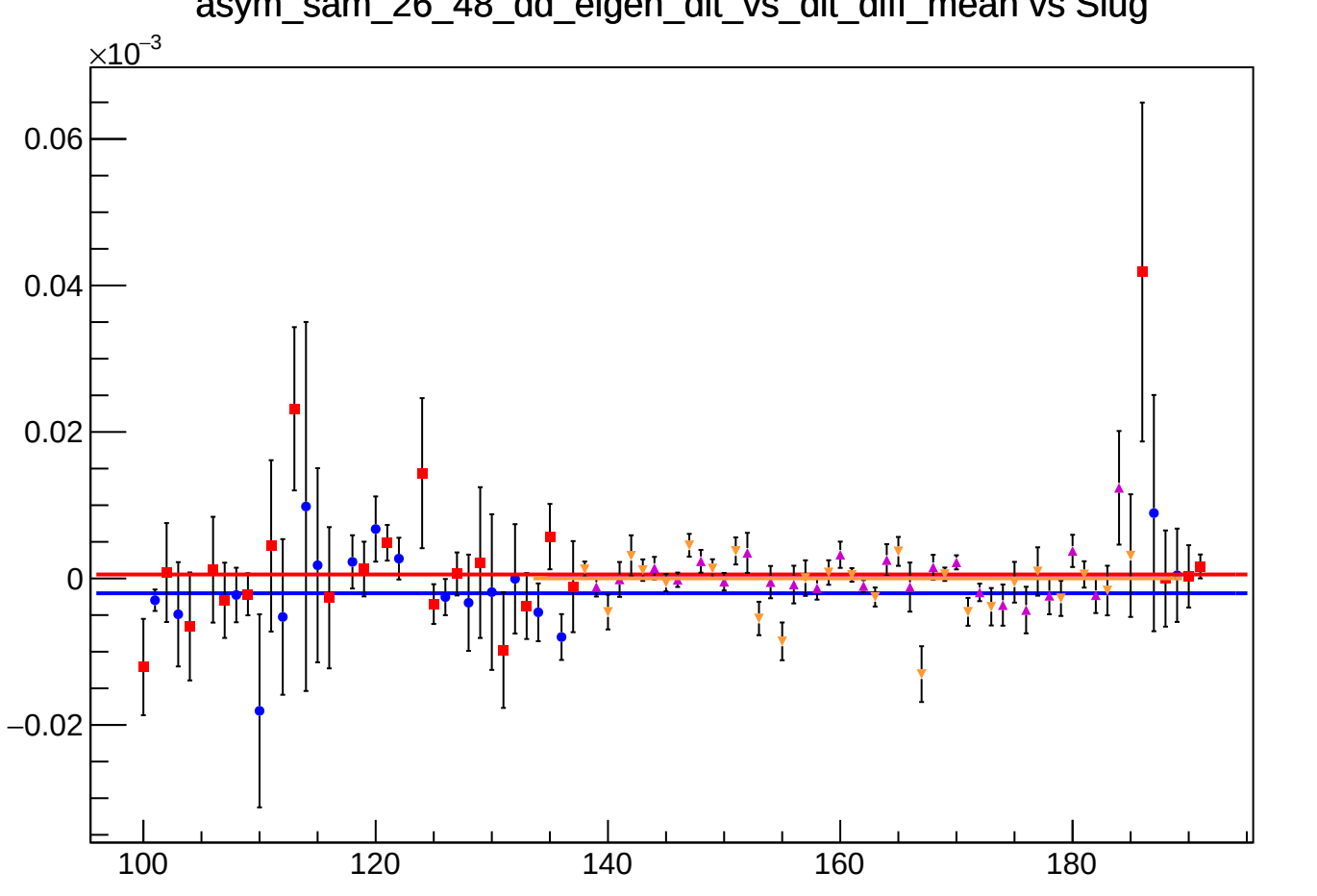
Right Out: 37.282+/-0.010 χ^2/NDF: 2679939.4/22

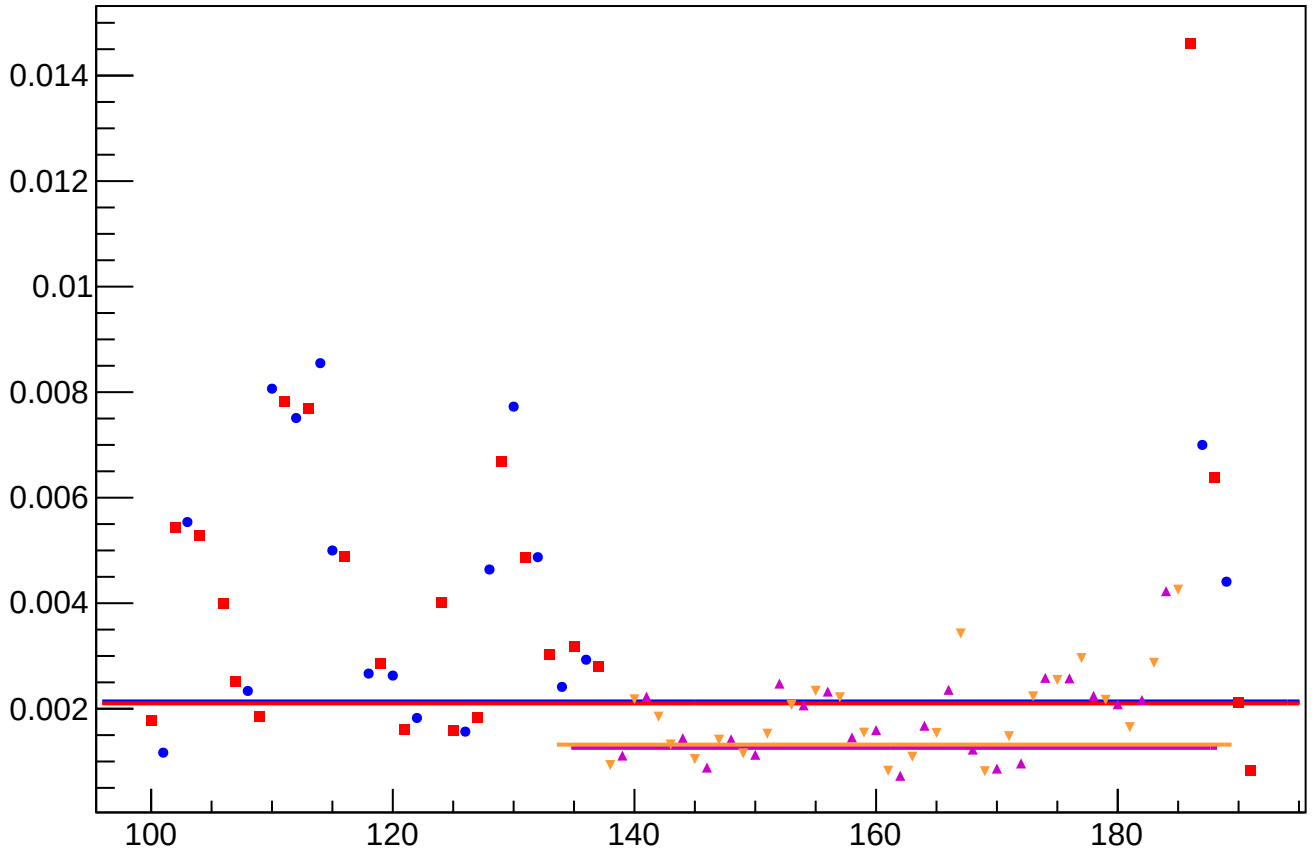
Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 35.605+/-0.005 χ^2/NDF: 6791103.2/42

All: 36.366+/-0.004 χ^2/NDF: 12526960.5/88

- sign 37.177+/-0.005 χ^2/NDF: 5692912.7/45


asym_sam_26_48_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.06
0.04
0.02
0
−0.02
100
120
140
160
180
Right In: -0.000+/-0.000 χ²/NDF: 15.3/17
Left Out: 0.000+/-0.000 χ²/NDF:67.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 25.3/22
Left In: 0.000+/-0.000 χ²/NDF:32.2/22
+ sign -0.000+/-0.000 χ²/NDF: 87.5/42
All: -0.000+/-0.000 χ²/NDF: 145.9/88
- sign 0.000+/-0.000 χ²/NDF: 57.8/45



Right In: 0.002+/-0.000 χ^2/NDF: 4361545.9/17

Left Out: 0.001+/-0.000 χ^2/NDF:5632532.9/24

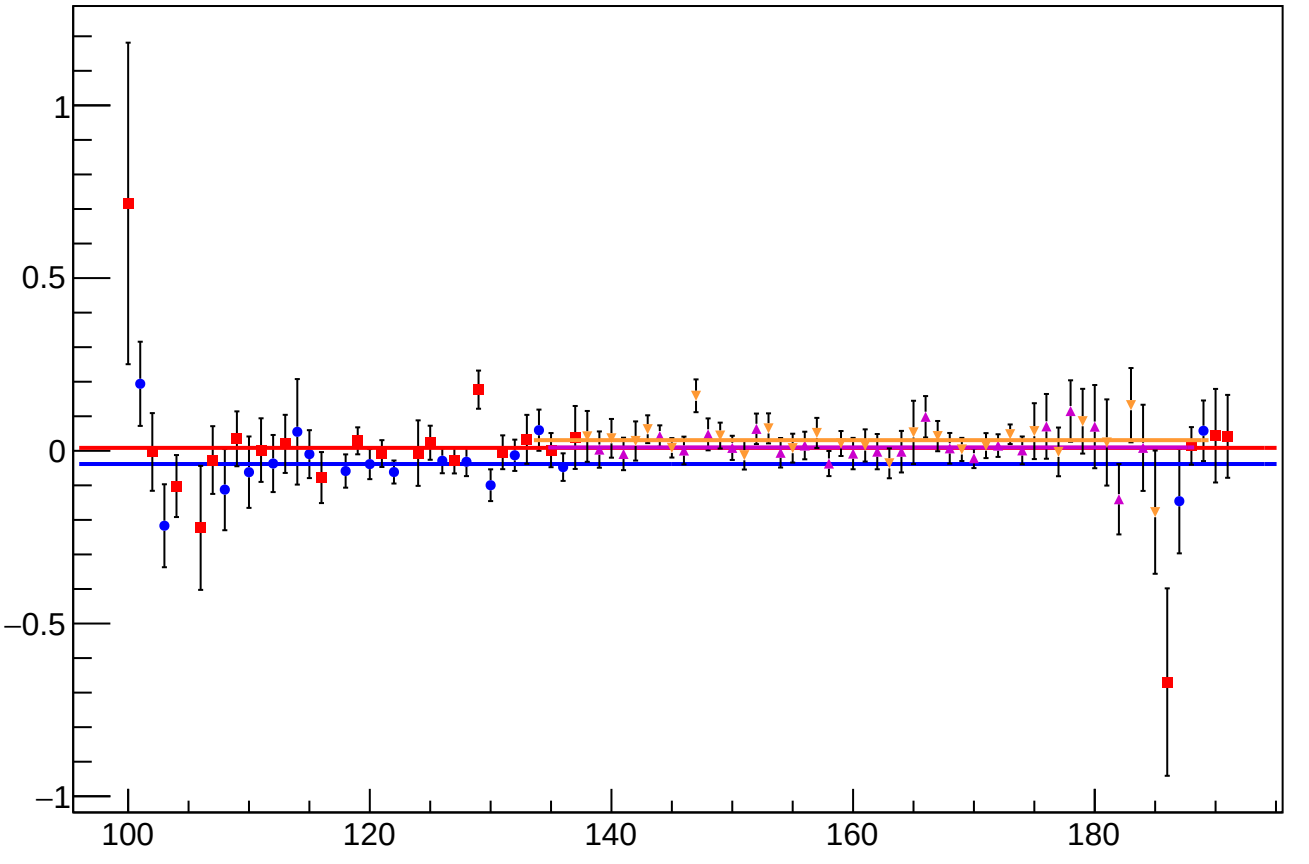
Right Out: 0.002+/-0.000 χ^2/NDF: 6025645.0/22

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: 24578508.3/88

- sign 0.001+/-0.000 χ^2/NDF: 13099572.9/45



Right In: -0.038+/-0.013 χ^2/NDF: 14.1/17

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

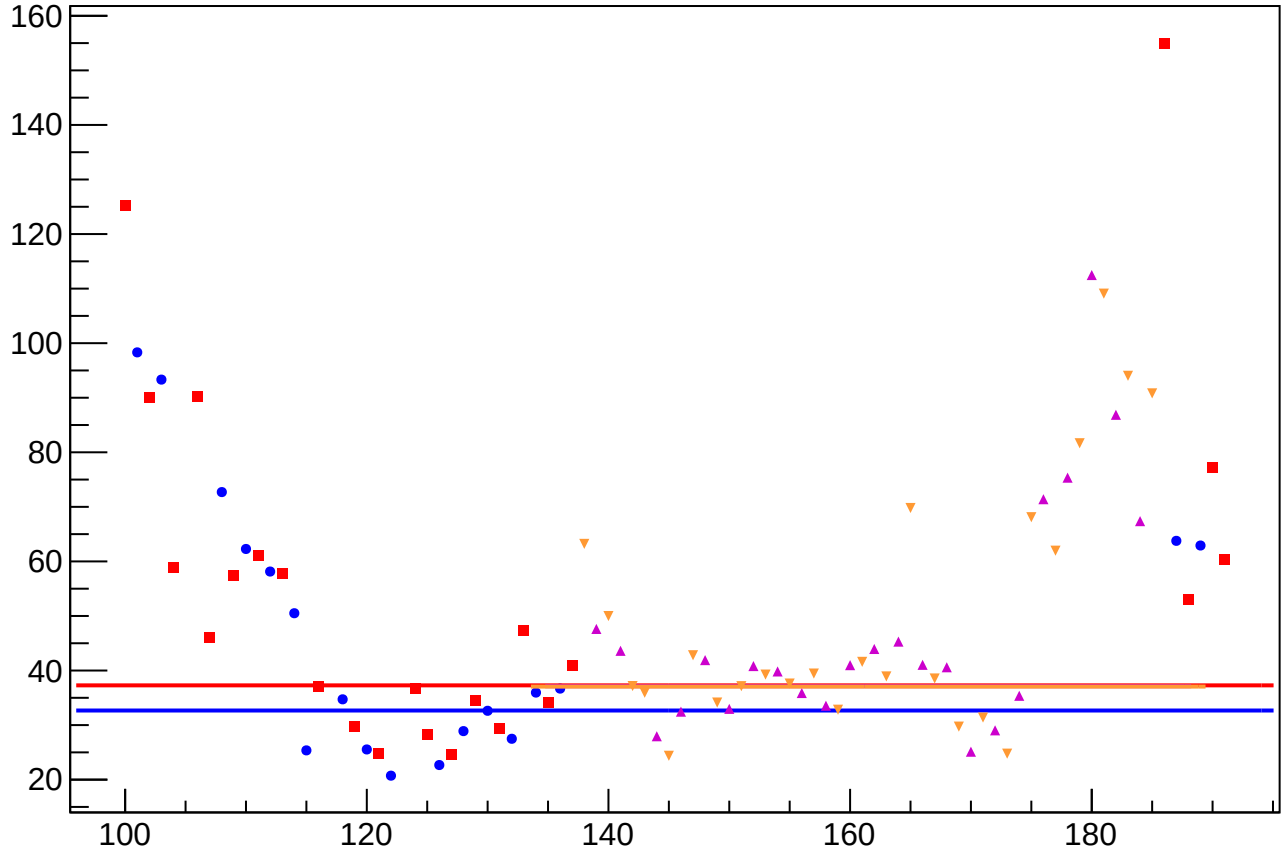
Right Out: 0.008+/-0.014 χ^2/NDF: 24.7/22

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: 88.9/88

- sign 0.009+/-0.008 χ^2/NDF: 37.9/45



Right In: 32.672+/-0.009 χ^2/NDF: 2584397.8/17

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

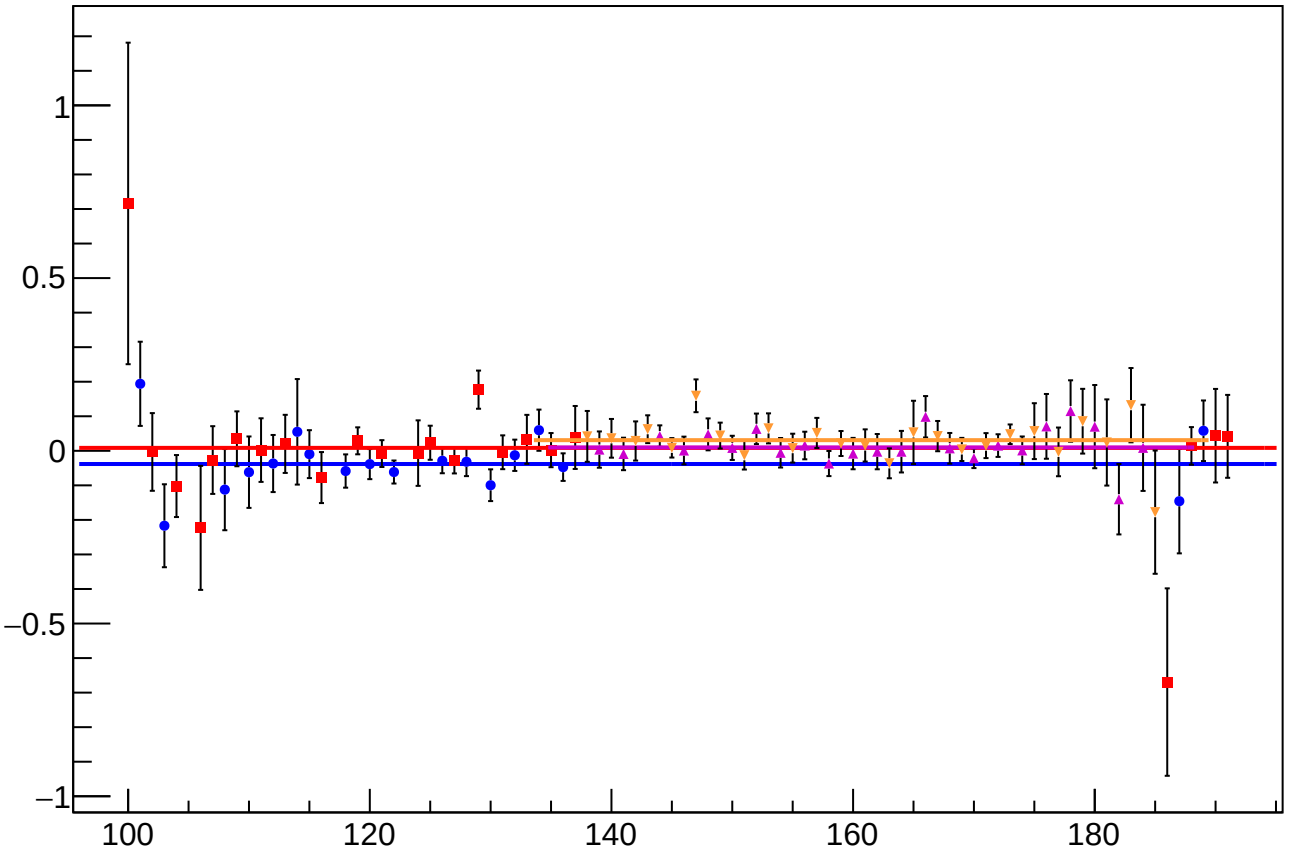
Right Out: 37.282+/-0.010 χ^2/NDF: 2679776.2/22

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

\+ sign 35.605+/-0.005 χ^2/NDF: 6791047.5/42

All: 36.366+/-0.004 χ^2/NDF: 12526714.1/88

\- sign 37.177+/-0.005 χ^2/NDF: 5692722.3/45



Right In: -0.038+/-0.013 χ^2/NDF: 14.1/17

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

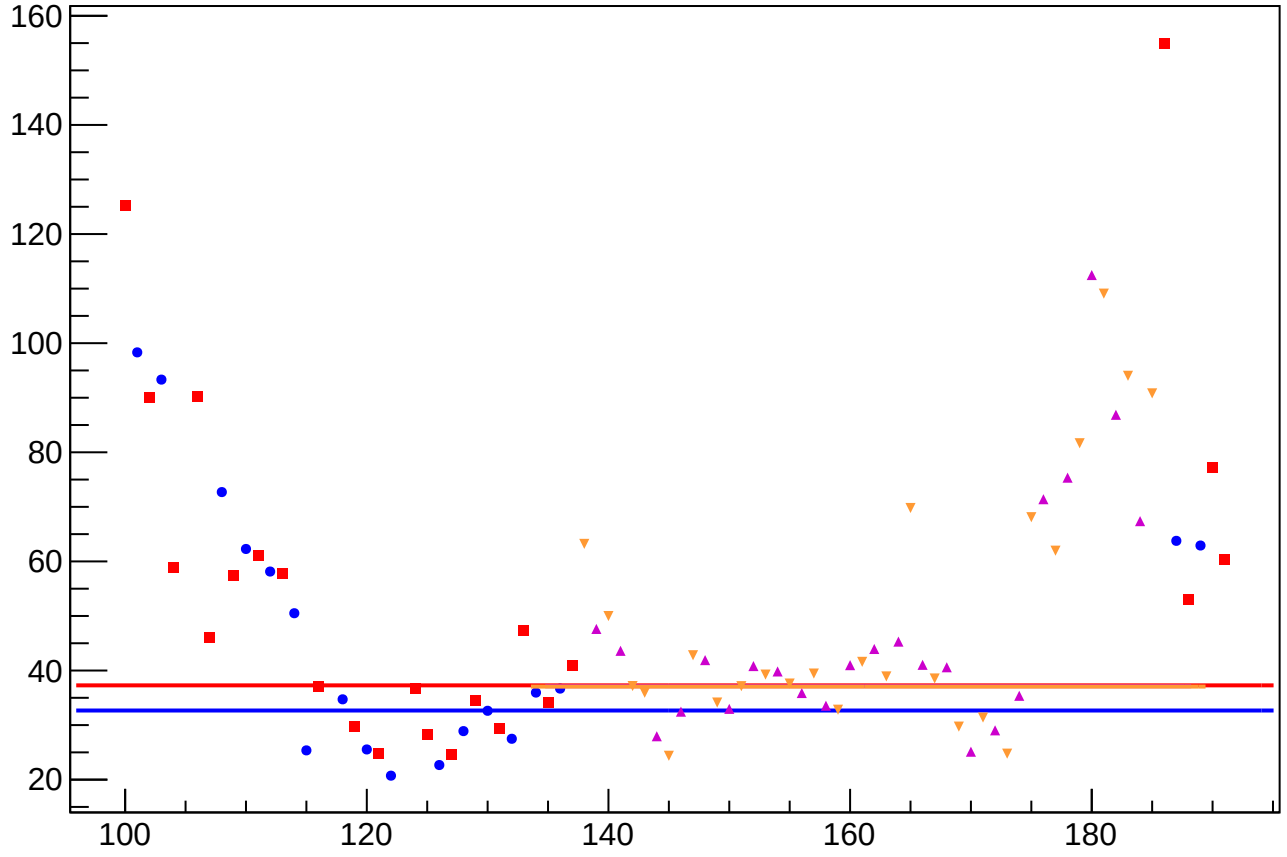
Right Out: 0.008+/-0.014 χ^2/NDF: 24.7/22

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: 88.9/88

- sign 0.009+/-0.008 χ^2/NDF: 37.9/45



Right In: 32.672+/-0.009 χ^2/NDF: 2584397.8/17

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

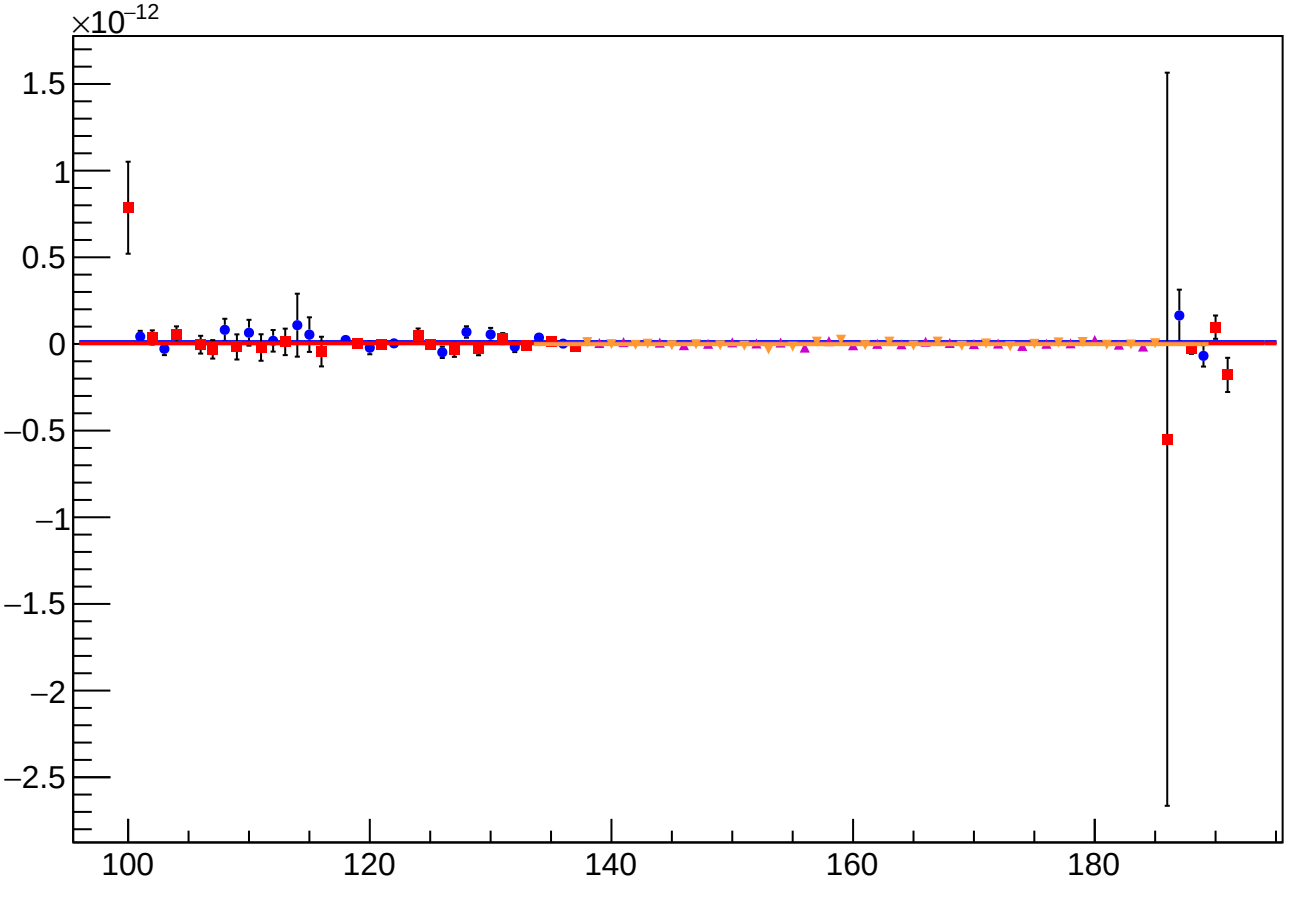
Right Out: 37.282+/-0.010 χ^2/NDF: 2679776.2/22

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

\+ sign 35.605+/-0.005 χ^2/NDF: 6791047.5/42

All: 36.366+/-0.004 χ^2/NDF: 12526714.1/88

\- sign 37.177+/-0.005 χ^2/NDF: 5692722.3/45



Right In: 0.000+/-0.000 χ^2/NDF: 19.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

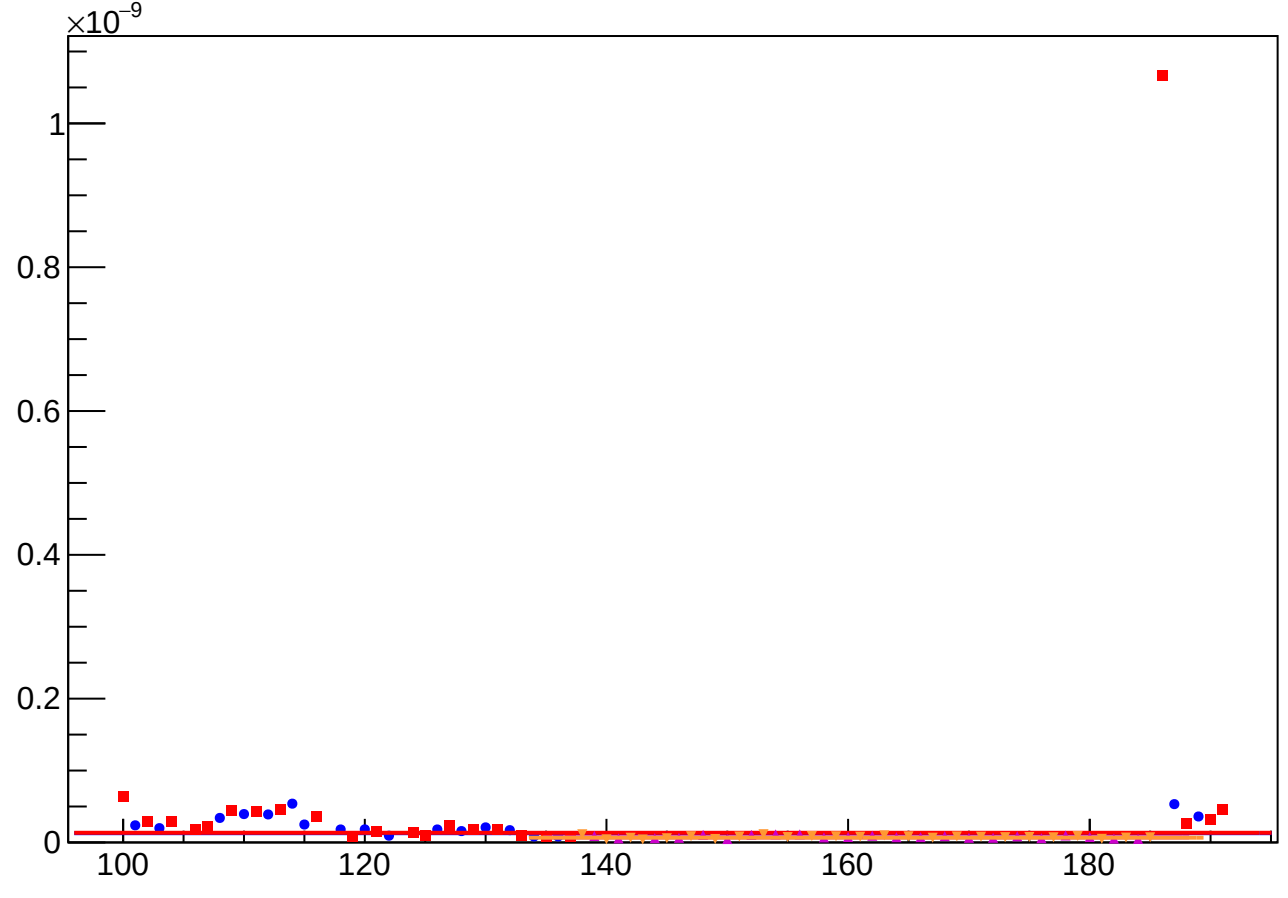
Right Out: 0.000+/-0.000 χ^2/NDF: 23.6/22

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: 94.7/88

- sign 0.000+/-0.000 χ^2/NDF: 44.1/45



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: 3943678.2/22

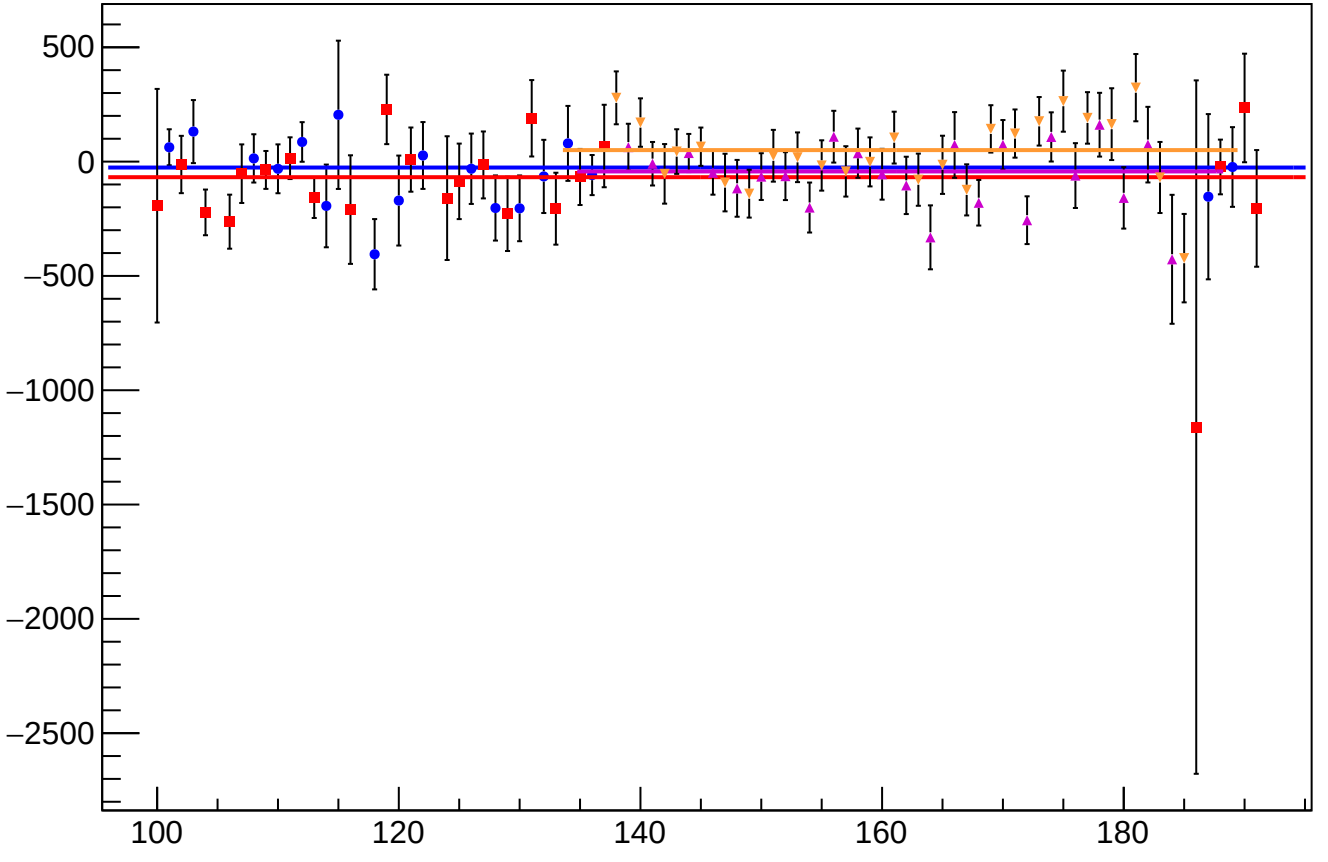
Left In: 0.000+/-0.000 χ^2/NDF:1431998.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 6280913.2/42

All: 0.000+/-0.000 χ^2/NDF: 13471384.2/88

- sign 0.000+/-0.000 χ^2/NDF: 7125245.2/45

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: -68.151+/-28.638 χ^2/NDF: 19.4/22

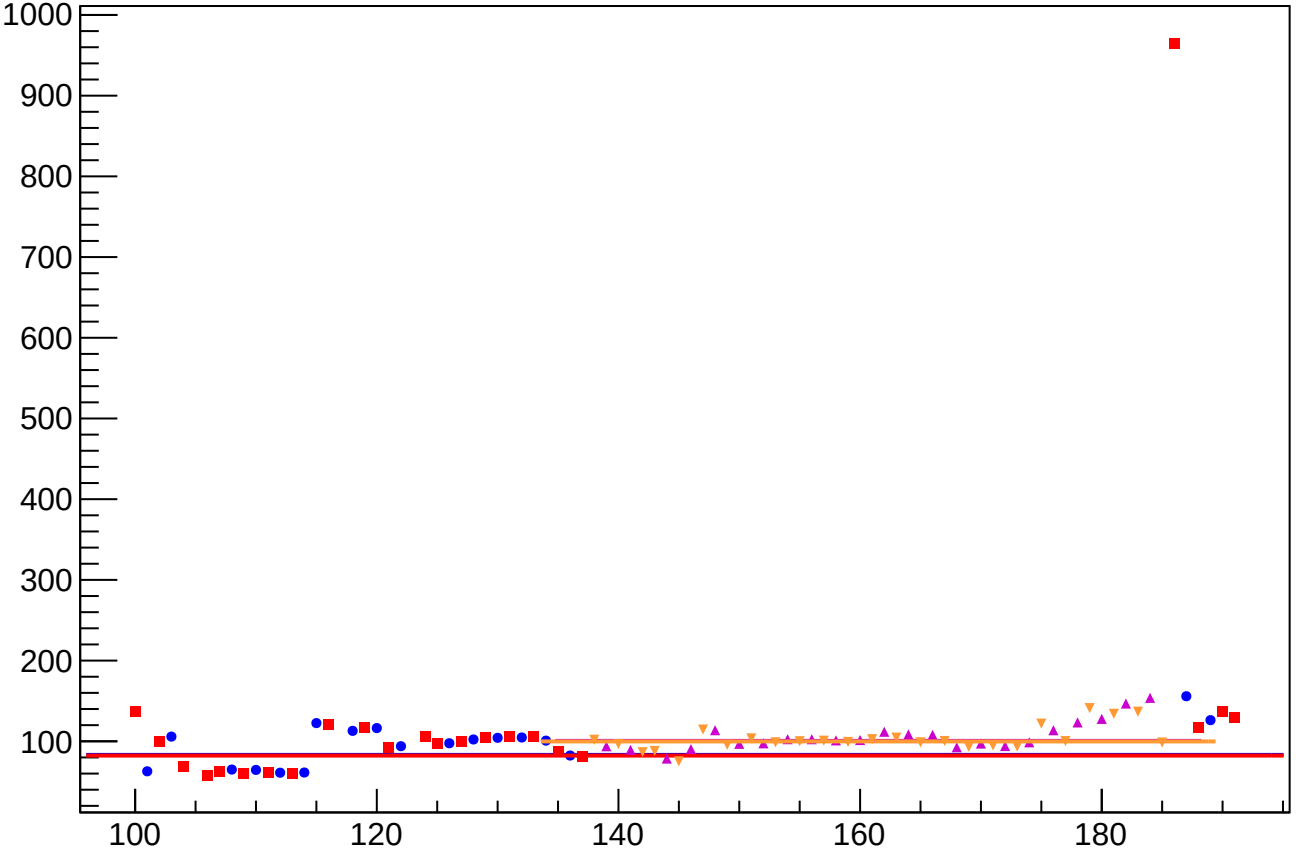
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 22.882+/-18.370 χ^2/NDF: 53.7/42

All: -15.371+/-12.959 χ^2/NDF: 108.8/88

- sign -53.269+/-18.285 χ^2/NDF: 46.5/45

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: 82.310+/-0.020 χ^2/NDF: 1985505.5/22

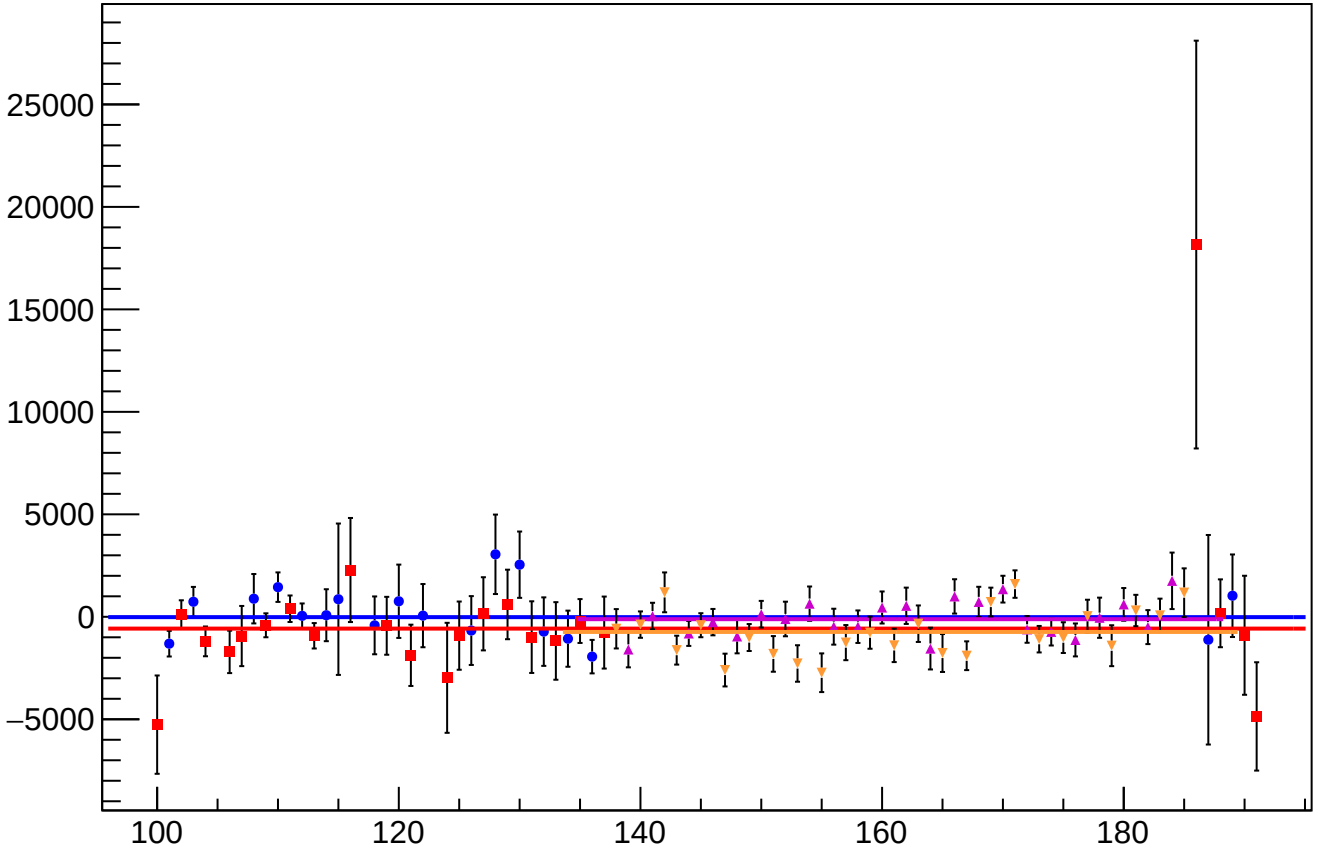
Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 93.830+/-0.013 χ^2/NDF: 2076958.3/42

All: 93.455+/-0.009 χ^2/NDF: 5198811.2/88

- sign 93.083+/-0.013 χ^2/NDF: 3120190.5/45

asym_sam_1548_avg_reg_correction_mean vs Slug



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: -575.705+/-234.287 χ^2/NDF: 19.7/22

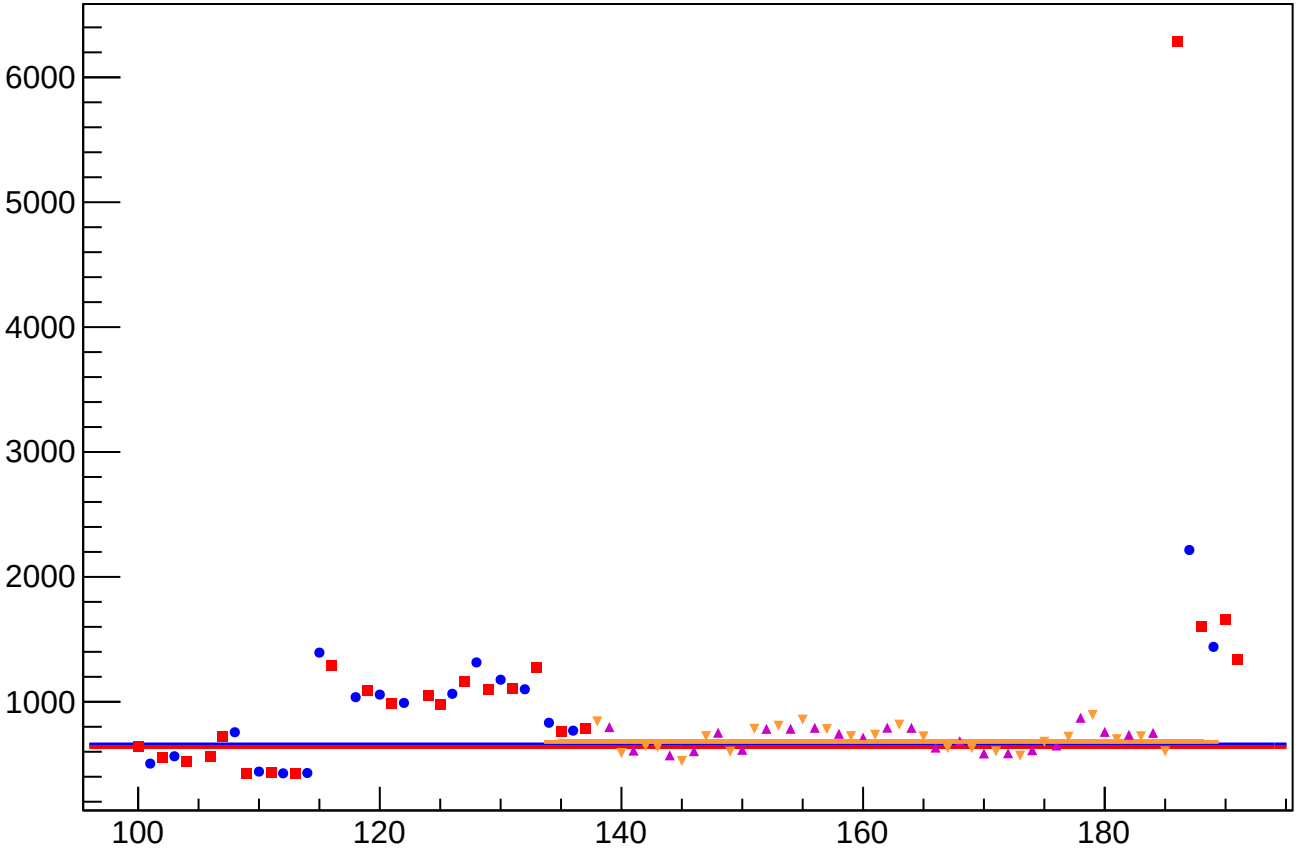
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -540.692+/-133.211 χ^2/NDF: 77.7/42

All: -401.394+/-94.008 χ^2/NDF: 125.9/88

- sign -263.197+/-132.684 χ^2/NDF: 46.0/45

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: 638.477+/-0.166 χ^2/NDF: 3824709.2/22

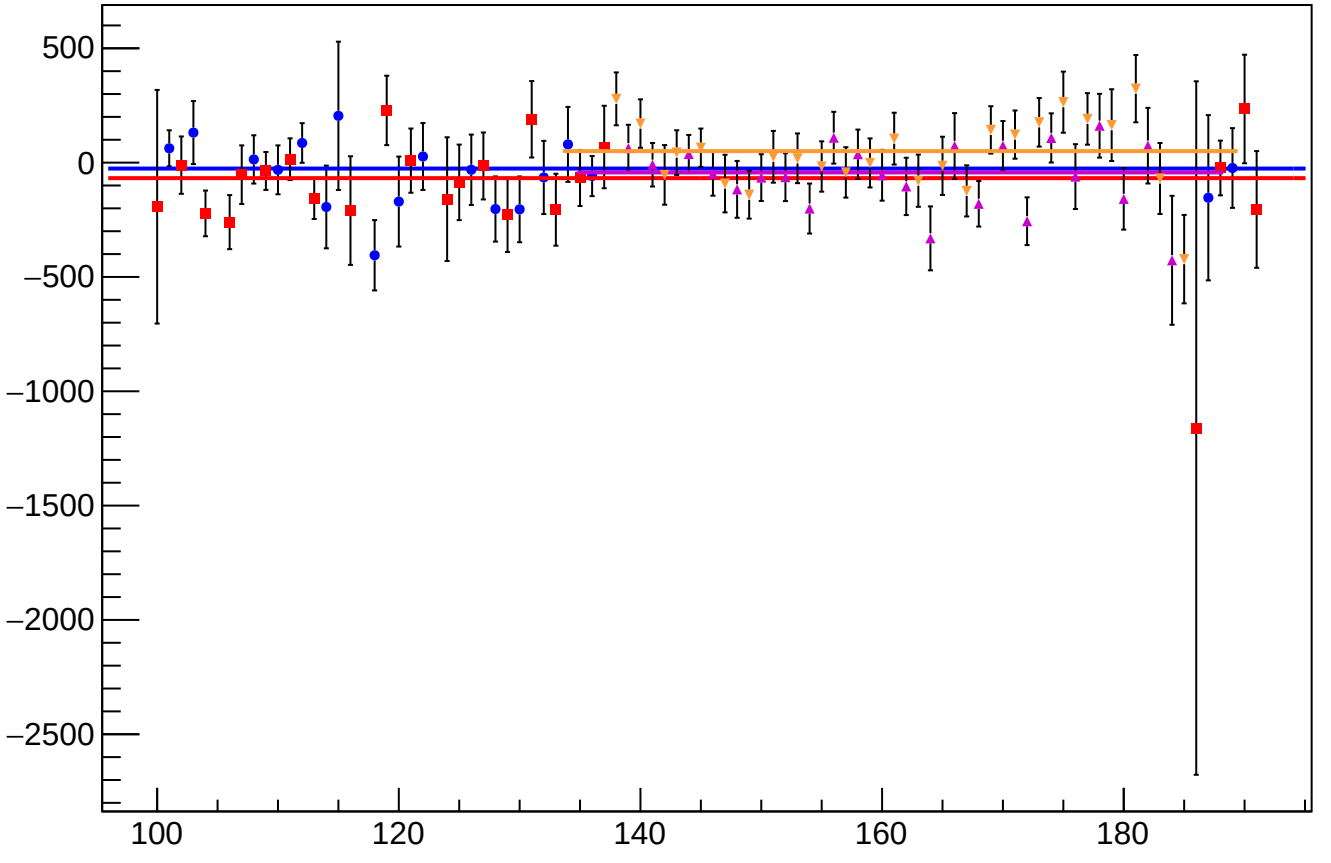
Left In: 681.893+/-0.114 χ^2/NDF:573812.4/22

+ sign 673.402+/-0.094 χ^2/NDF: 3117459.1/42

All: 670.674+/-0.066 χ^2/NDF: 7564304.7/88

- sign 667.968+/-0.094 χ^2/NDF: 4445175.2/45

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: -67.908+/-28.639 χ^2/NDF: 19.3/22

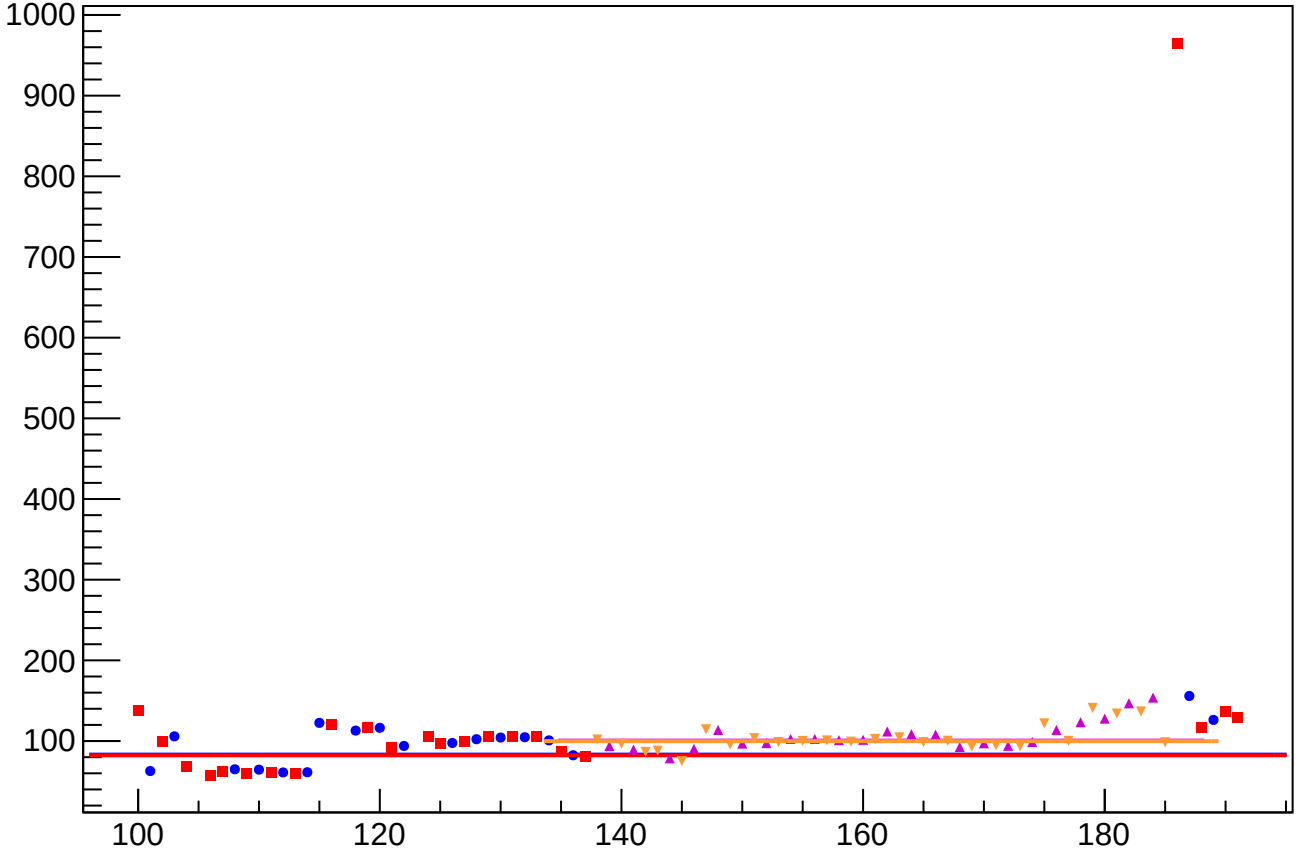
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 22.886+/-18.370 χ^2/NDF: 53.7/42

All: -15.318+/-12.960 χ^2/NDF: 108.8/88

- sign -53.169+/-18.285 χ^2/NDF: 46.4/45

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

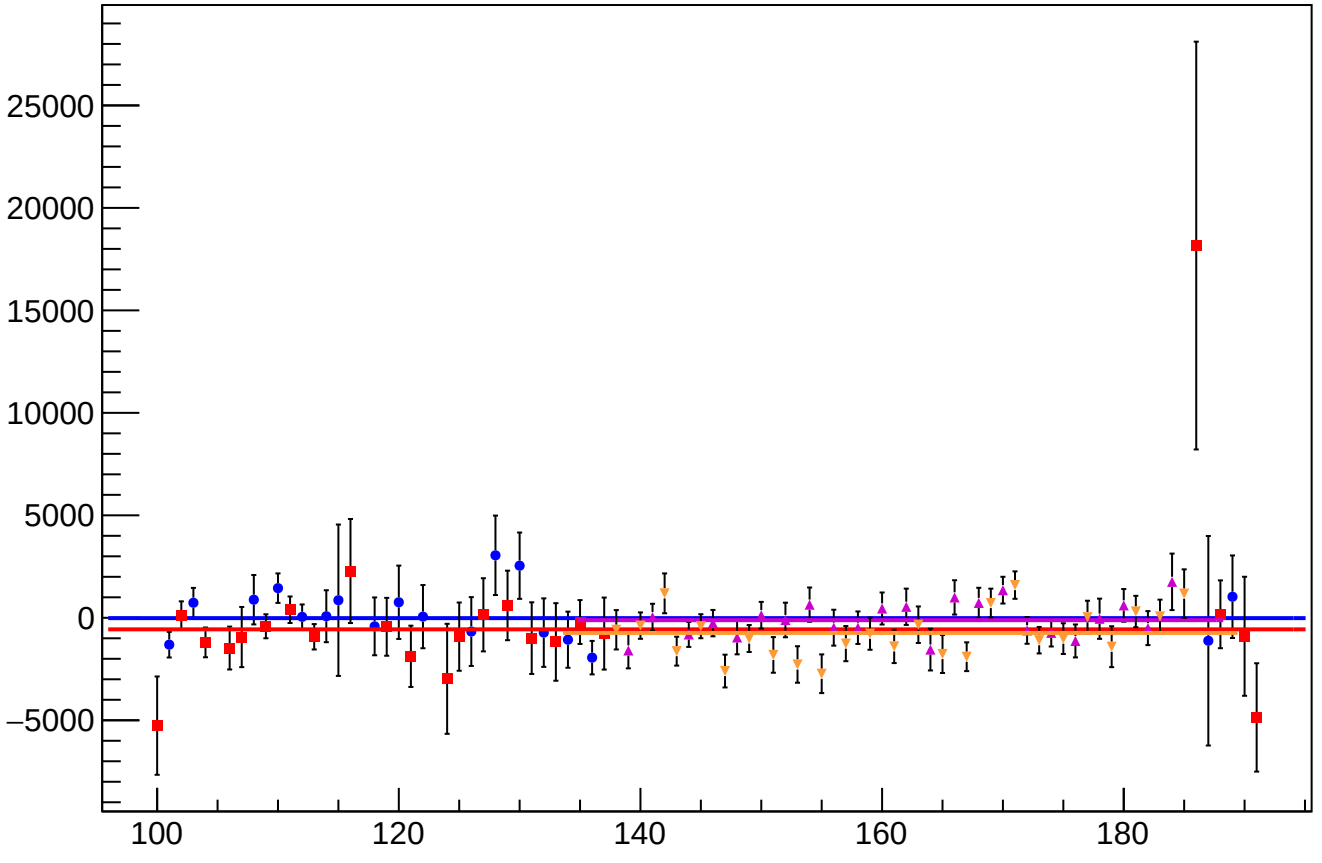
Right Out: 82.294+/-0.020 χ^2/NDF: 1987973.5/22

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 93.830+/-0.013 χ^2/NDF: 2076959.7/42

All: 93.452+/-0.009 χ^2/NDF: 5202150.1/88

- sign 93.077+/-0.013 χ^2/NDF: 3123500.0/45



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: -563.228+/-234.427 χ^2/NDF: 19.2/22

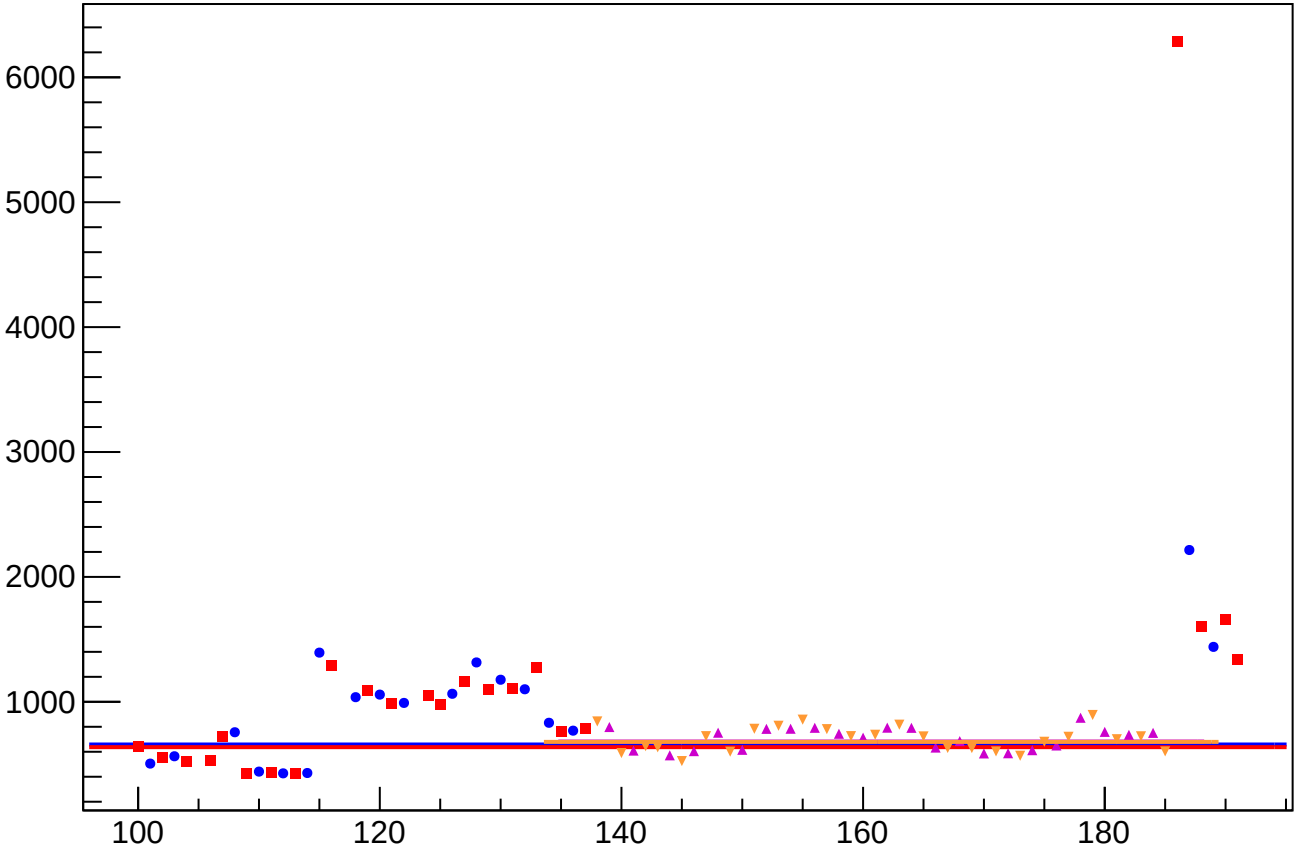
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -540.693+/-133.212 χ^2/NDF: 77.7/42

All: -399.354+/-94.017 χ^2/NDF: 125.4/88

- sign -259.079+/-132.710 χ^2/NDF: 45.4/45

asym_sam_1548_avg_cor_correction_rms vs Slug



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: 636.900+/-0.166 χ^2/NDF: 3835809.6/22

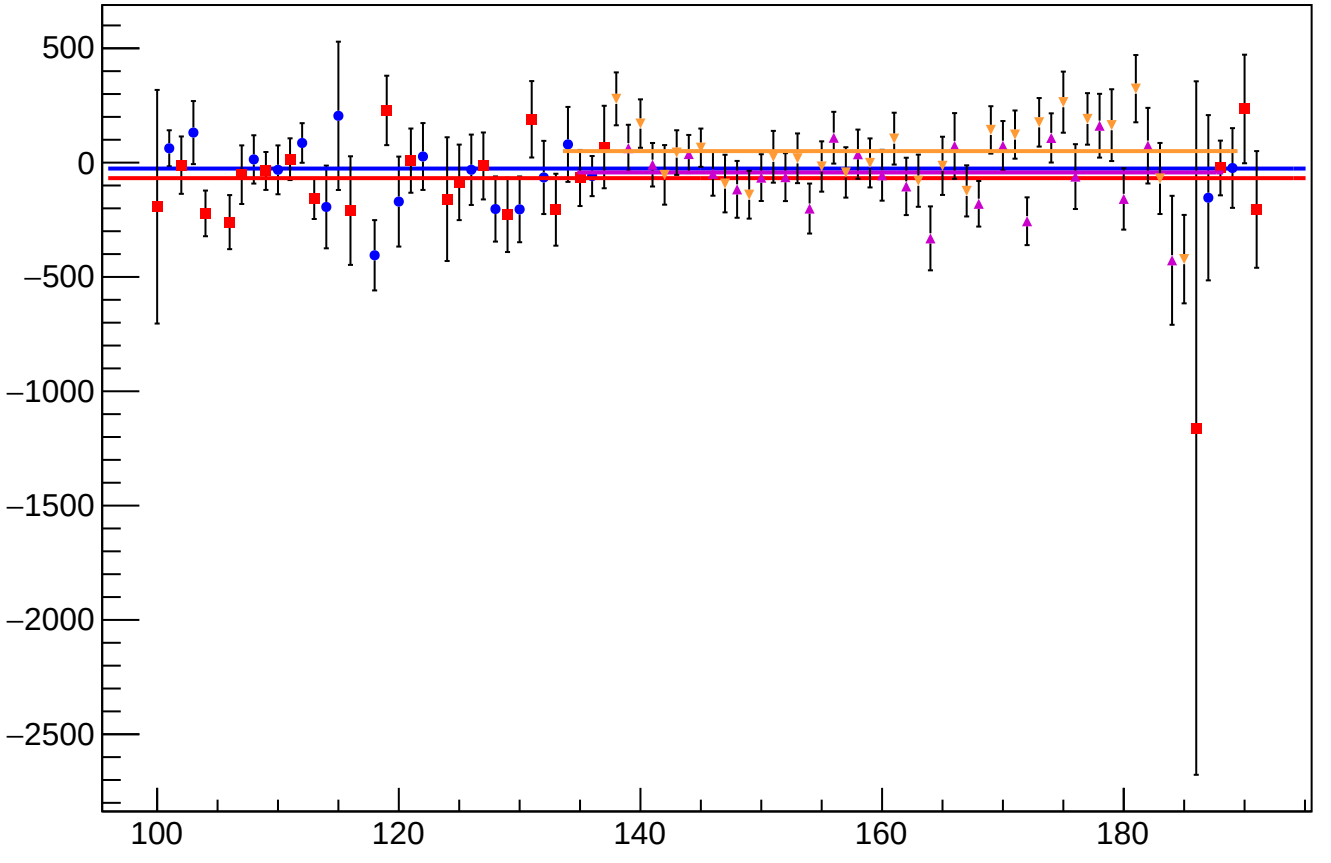
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 673.404+/-0.094 χ^2/NDF: 3117399.4/42

All: 670.428+/-0.066 χ^2/NDF: 7579074.7/88

- sign 667.474+/-0.094 χ^2/NDF: 4459685.9/45

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: -67.908+/-28.639 χ^2/NDF: 19.3/22

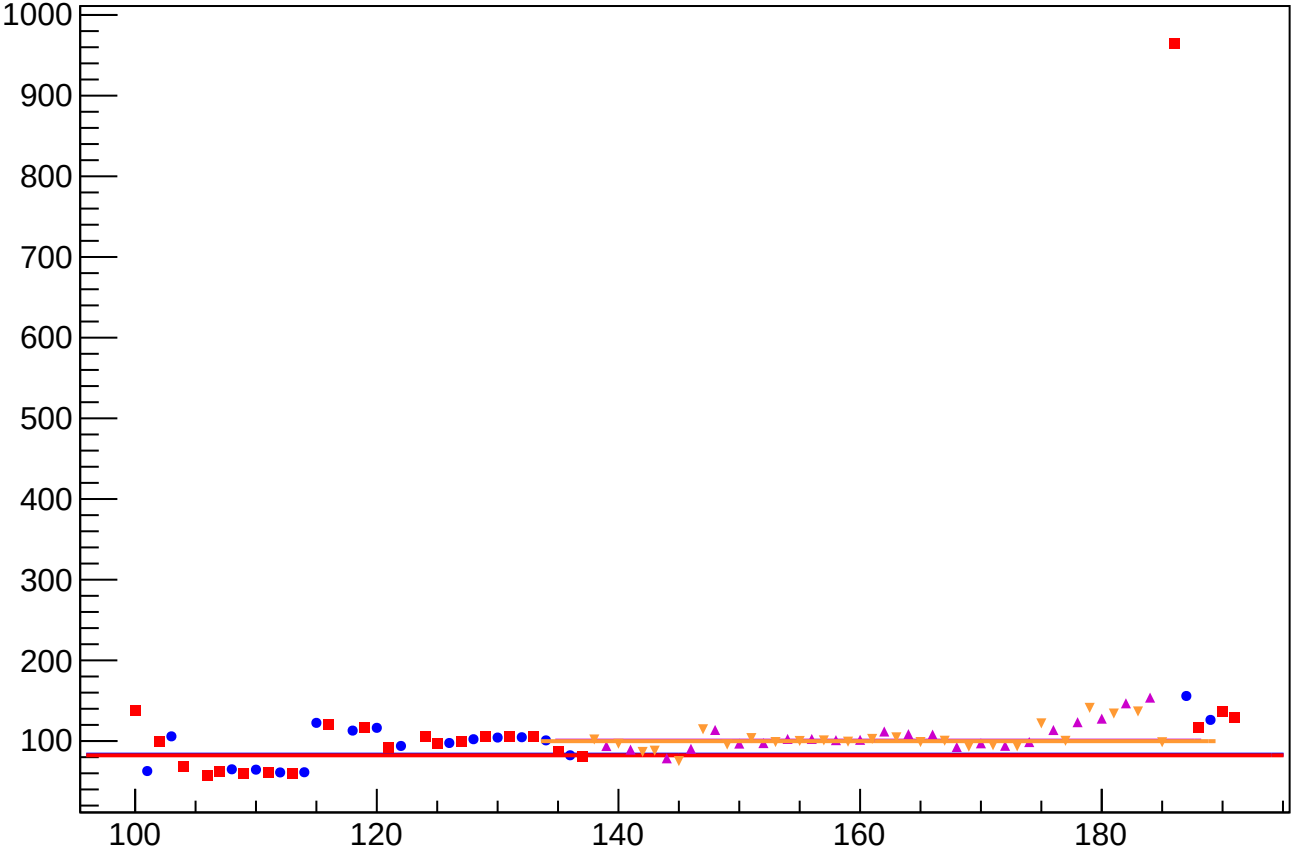
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 22.886+/-18.370 χ^2/NDF: 53.7/42

All: -15.318+/-12.960 χ^2/NDF: 108.8/88

- sign -53.169+/-18.285 χ^2/NDF: 46.4/45

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: 82.294+/-0.020 χ^2/NDF: 1987973.5/22

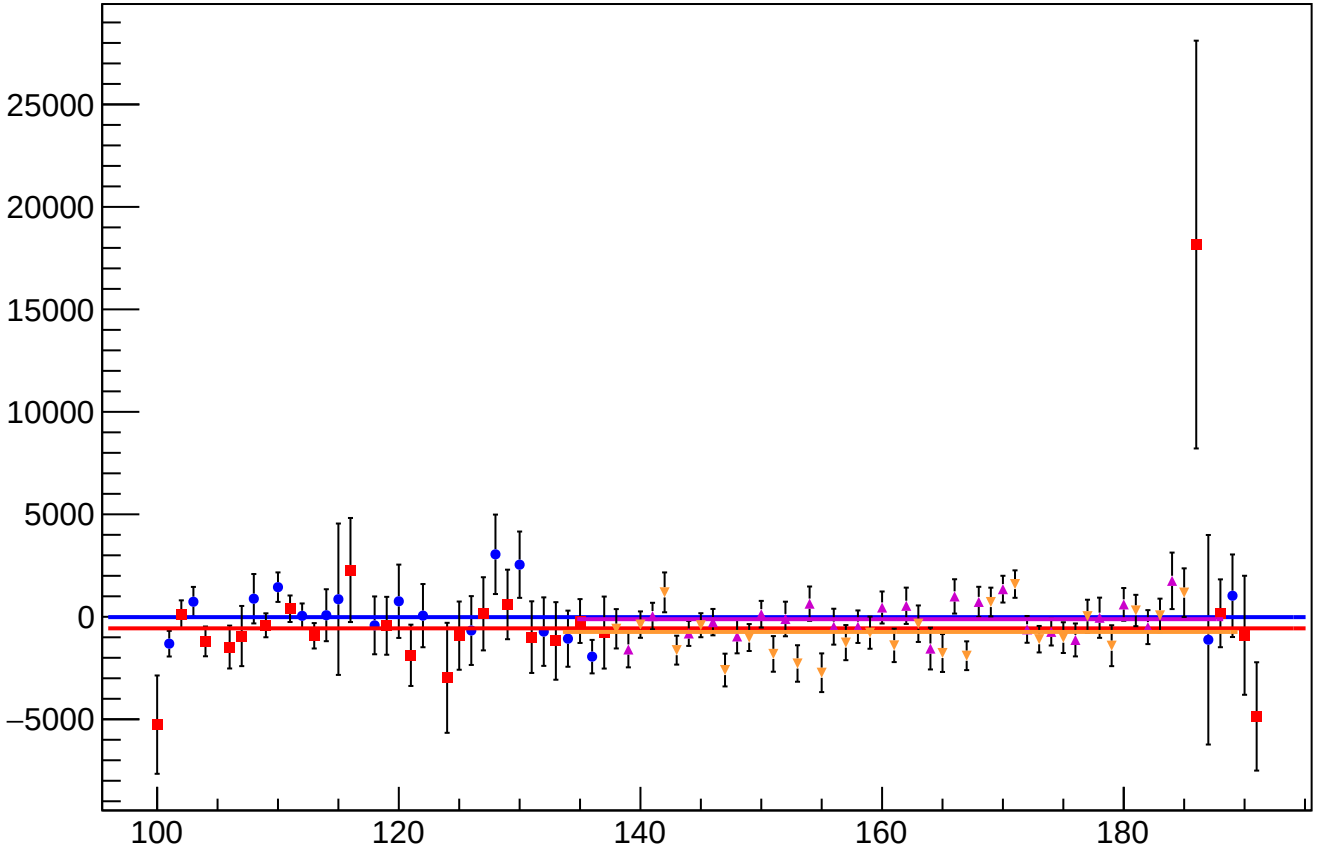
Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 93.830+/-0.013 χ^2/NDF: 2076959.7/42

All: 93.452+/-0.009 χ^2/NDF: 5202150.1/88

- sign 93.077+/-0.013 χ^2/NDF: 3123500.0/45

asym_sam_1548_avg_eigen_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

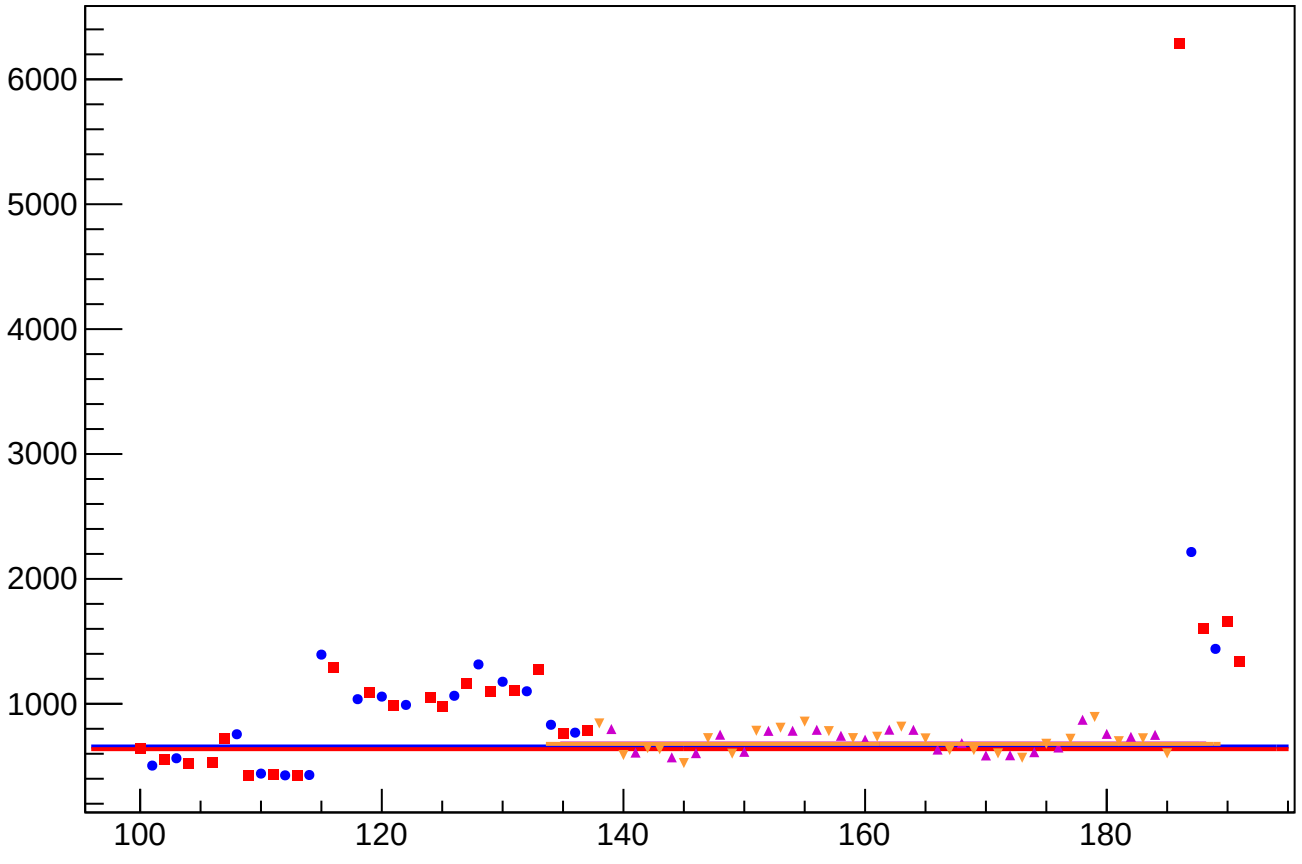
Right Out: -563.228+/-234.427 χ^2/NDF: 19.2/22

Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -540.693+/-133.212 χ^2/NDF: 77.7/42

All: -399.354+/-94.017 χ^2/NDF: 125.4/88

- sign -259.079+/-132.710 χ^2/NDF: 45.4/45



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: 636.900+/-0.166 χ^2/NDF: 3835809.6/22

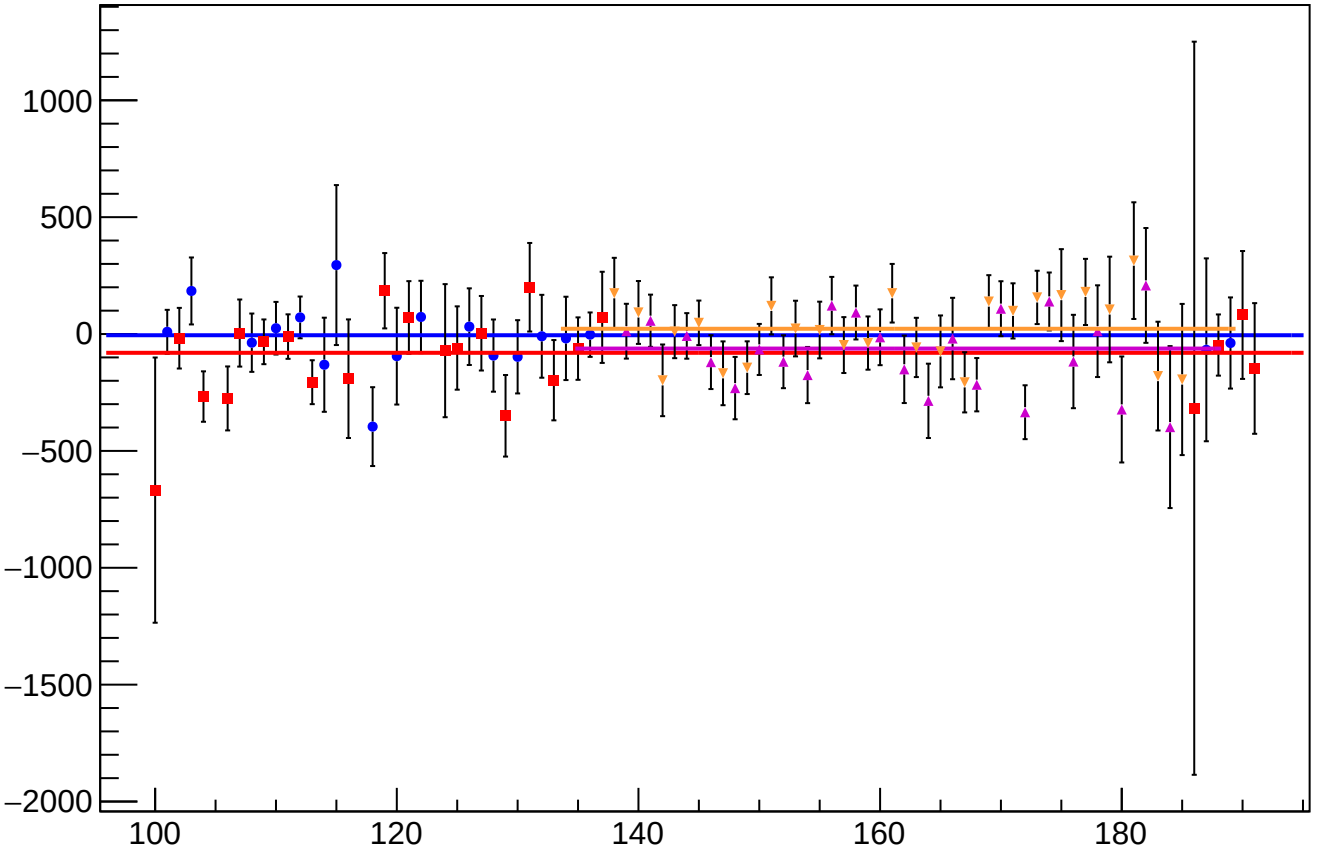
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 673.404+/-0.094 χ^2/NDF: 3117399.4/42

All: 670.428+/-0.066 χ^2/NDF: 7579074.7/88

- sign 667.474+/-0.094 χ^2/NDF: 4459685.9/45

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: -80.322+/-31.250 χ^2/NDF: 19.6/22

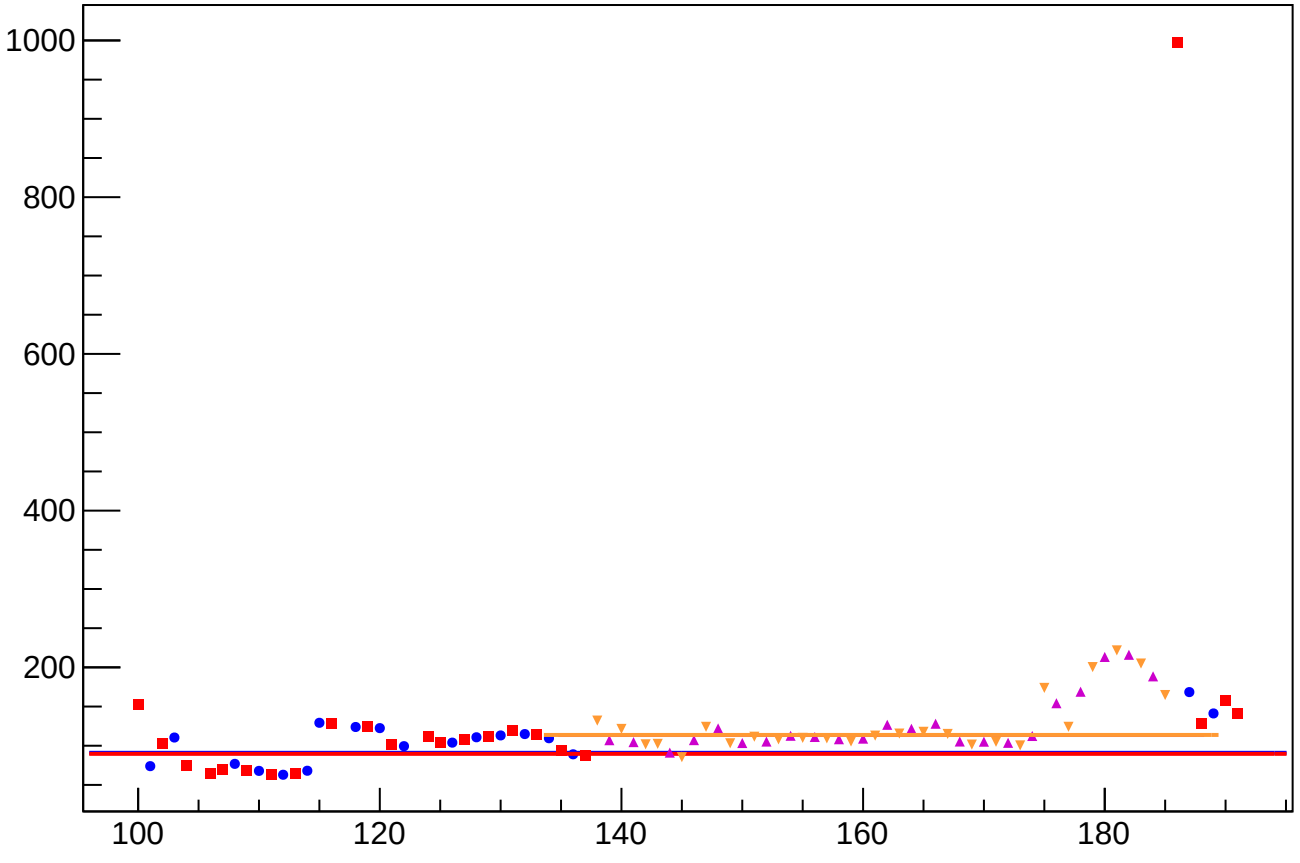
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign 11.827+/-20.856 χ^2/NDF: 32.4/42

All: -29.660+/-14.648 χ^2/NDF: 87.3/88

- sign -70.039+/-20.576 χ^2/NDF: 47.1/45

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: 89.655+/-0.022 χ^2/NDF: 1950845.9/22

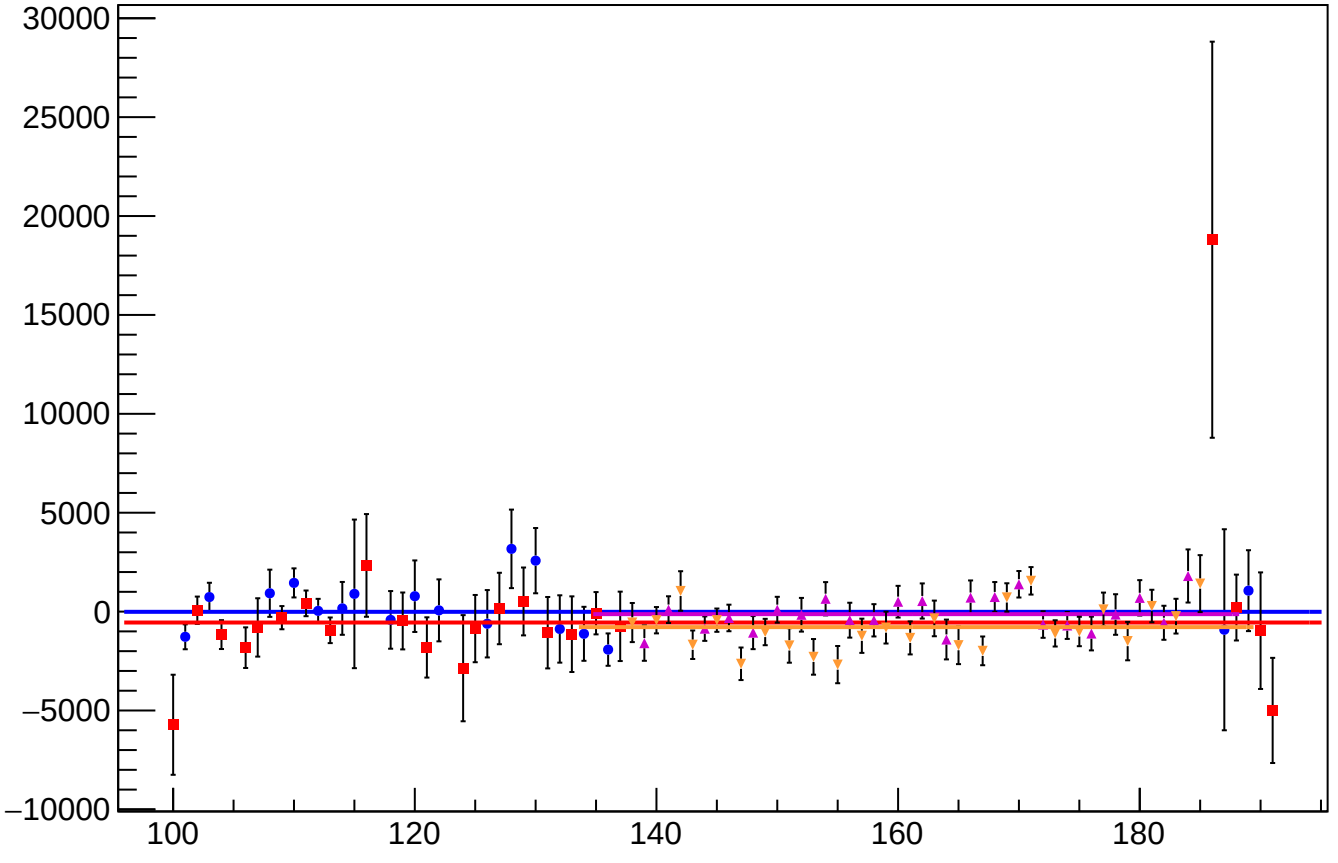
Left In: 113.677+/-0.019 χ^2/NDF:1316044.6/22

+ sign 104.929+/-0.015 χ^2/NDF: 3091789.4/42

All: 104.084+/-0.010 χ^2/NDF: 7034614.5/88

- sign 103.262+/-0.015 χ^2/NDF: 3936348.0/45

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: -551.882+/-236.951 χ^2/NDF: 20.4/22

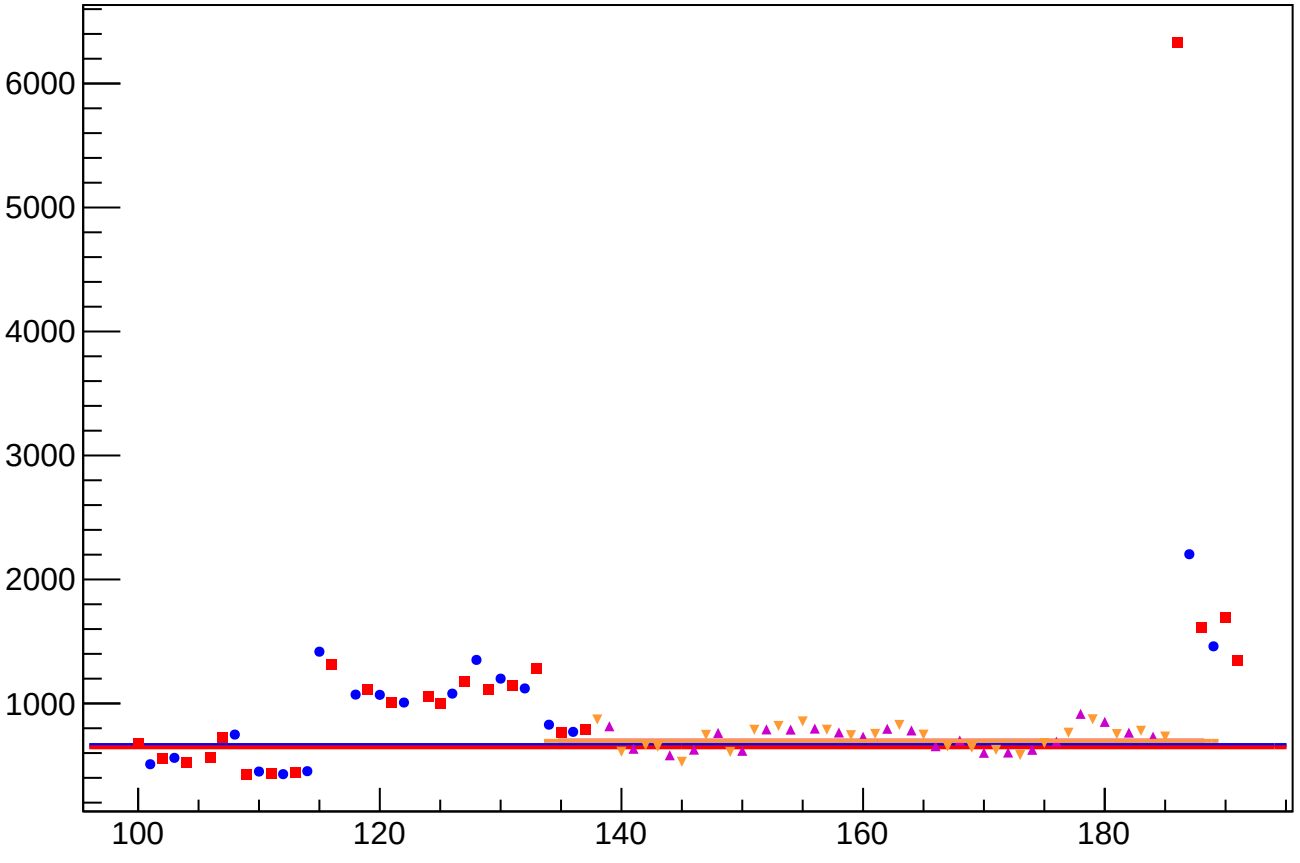
Left In: -128.155+/-165.255 χ^2/NDF:22.7/22

+ sign -567.340+/-136.124 χ^2/NDF: 73.8/42

All: -416.437+/-96.049 χ^2/NDF: 121.5/88

- sign -266.812+/-135.546 χ^2/NDF: 45.3/45

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: 646.391+/-0.168 χ^2/NDF: 3826506.8/22

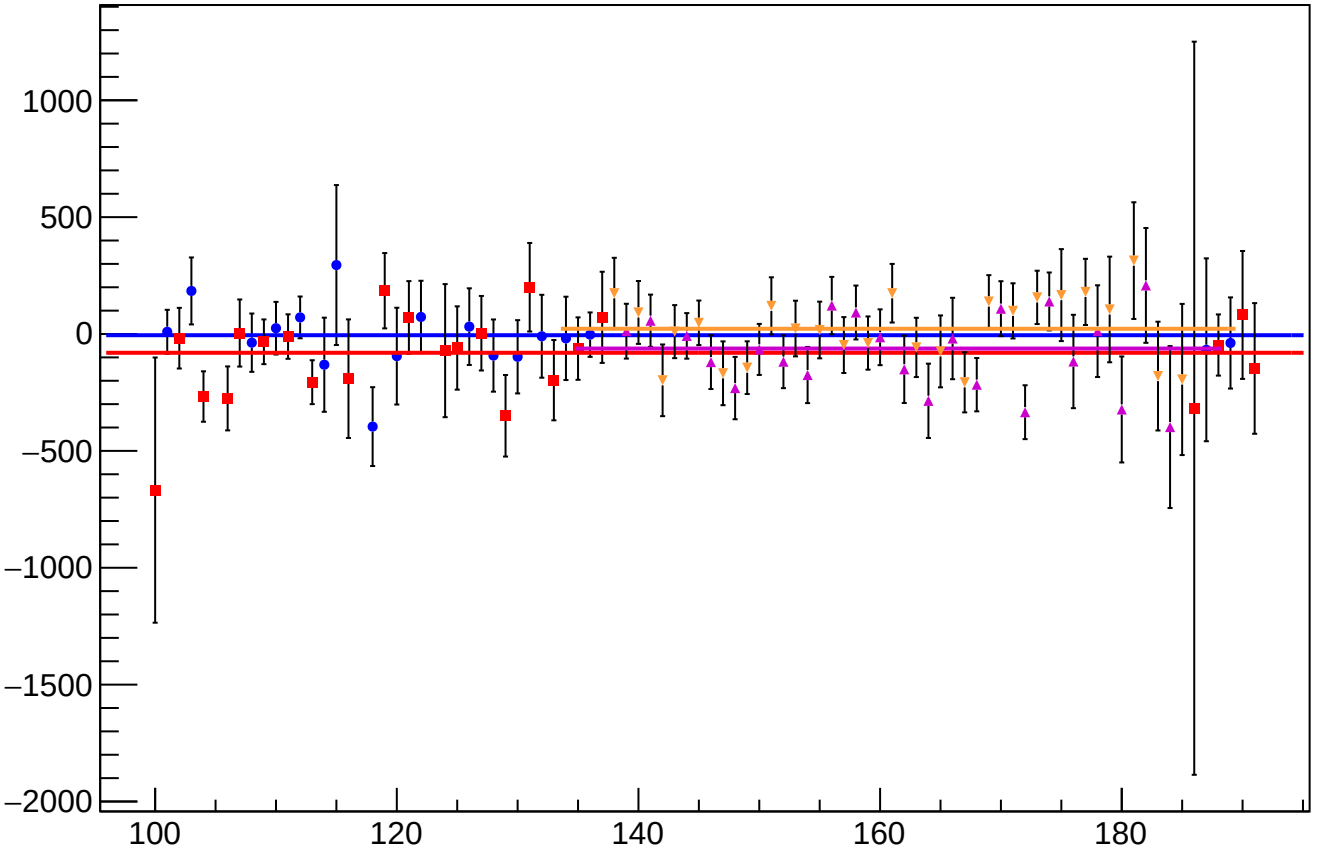
Left In: 700.079+/-0.117 χ^2/NDF:584318.7/22

+ sign 688.762+/-0.096 χ^2/NDF: 3122348.3/42

All: 685.623+/-0.068 χ^2/NDF: 7604369.8/88

- sign 682.511+/-0.096 χ^2/NDF: 4479903.5/45

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: -80.322+/-31.250 χ^2/NDF: 19.6/22

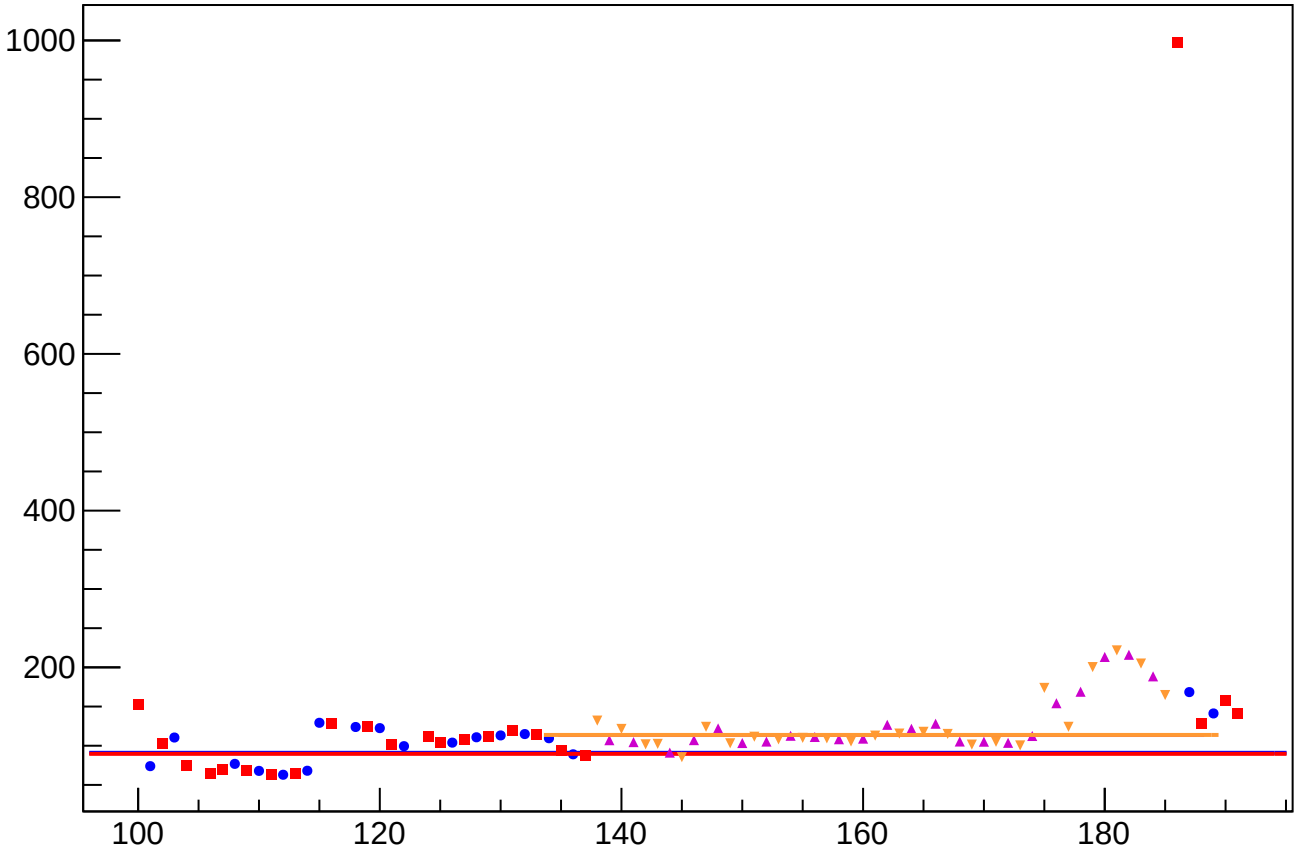
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign 11.829+/-20.856 χ^2/NDF: 32.4/42

All: -29.659+/-14.648 χ^2/NDF: 87.3/88

- sign -70.039+/-20.576 χ^2/NDF: 47.1/45

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

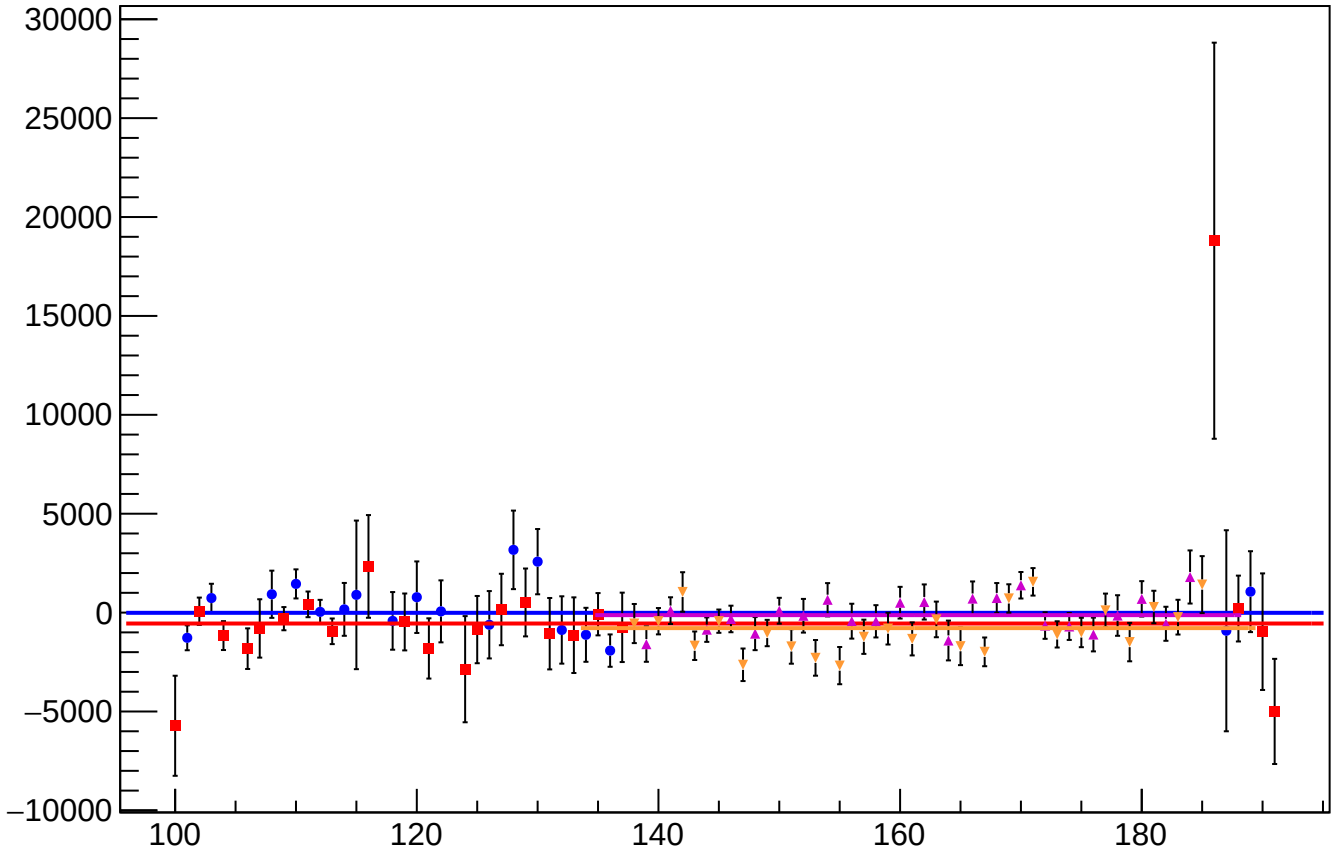
Right Out: 89.655+/-0.022 χ^2/NDF: 1950848.3/22

Left In: 113.677+/-0.019 χ^2/NDF:1316023.5/22

+ sign 104.930+/-0.015 χ^2/NDF: 3091785.9/42

All: 104.085+/-0.010 χ^2/NDF: 7034602.5/88

- sign 103.262+/-0.015 χ^2/NDF: 3936339.5/45



Right In: -10.921+/-257.010 χ^2/NDF: 21.9/17

Left Out: -784.284+/-160.482 χ^2/NDF:45.4/24

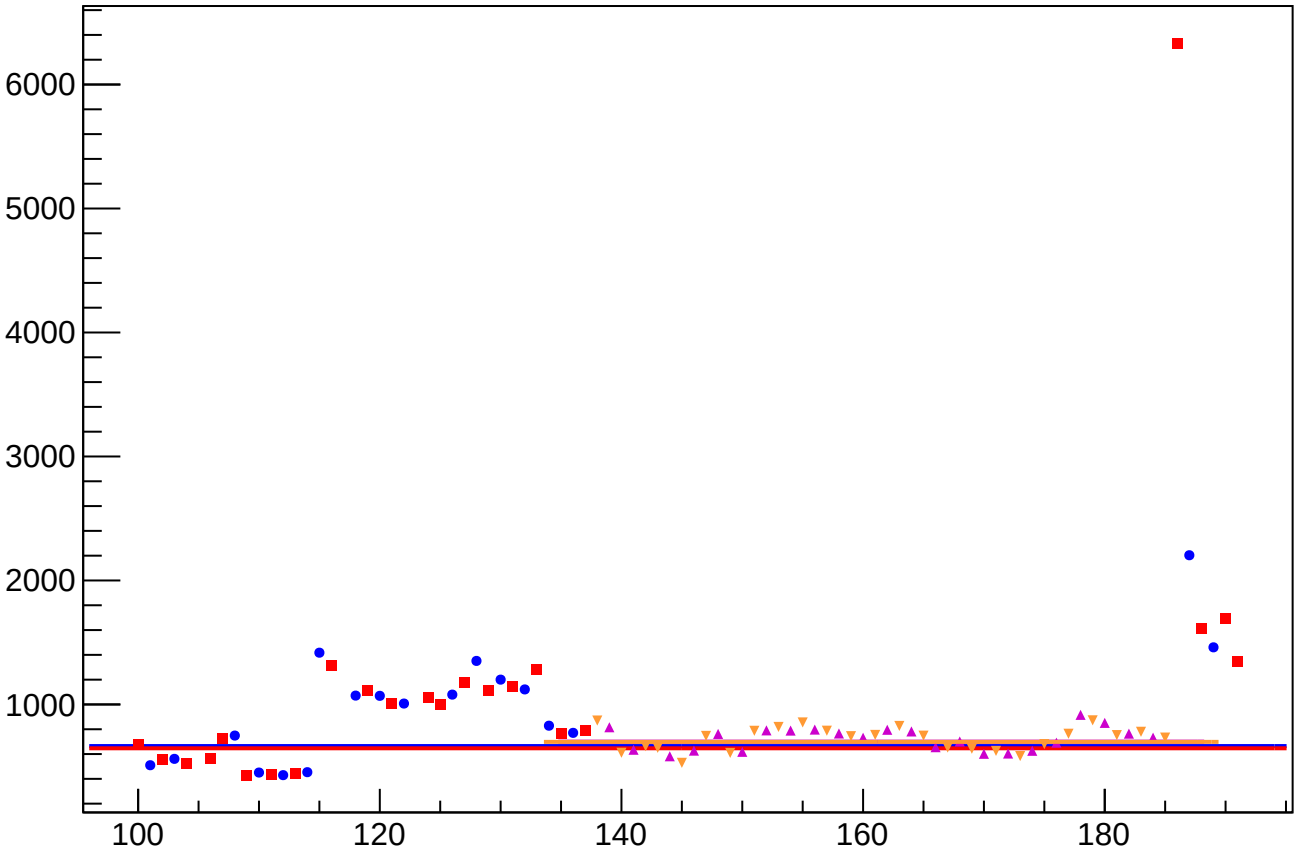
Right Out: -551.881+/-236.951 χ^2/NDF: 20.4/22

Left In: -128.154+/-165.255 χ^2/NDF:22.7/22

+ sign -567.339+/-136.124 χ^2/NDF: 73.8/42

All: -416.436+/-96.049 χ^2/NDF: 121.5/88

- sign -266.811+/-135.546 χ^2/NDF: 45.3/45



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: 646.390+/-0.168 χ^2/NDF: 3826507.7/22

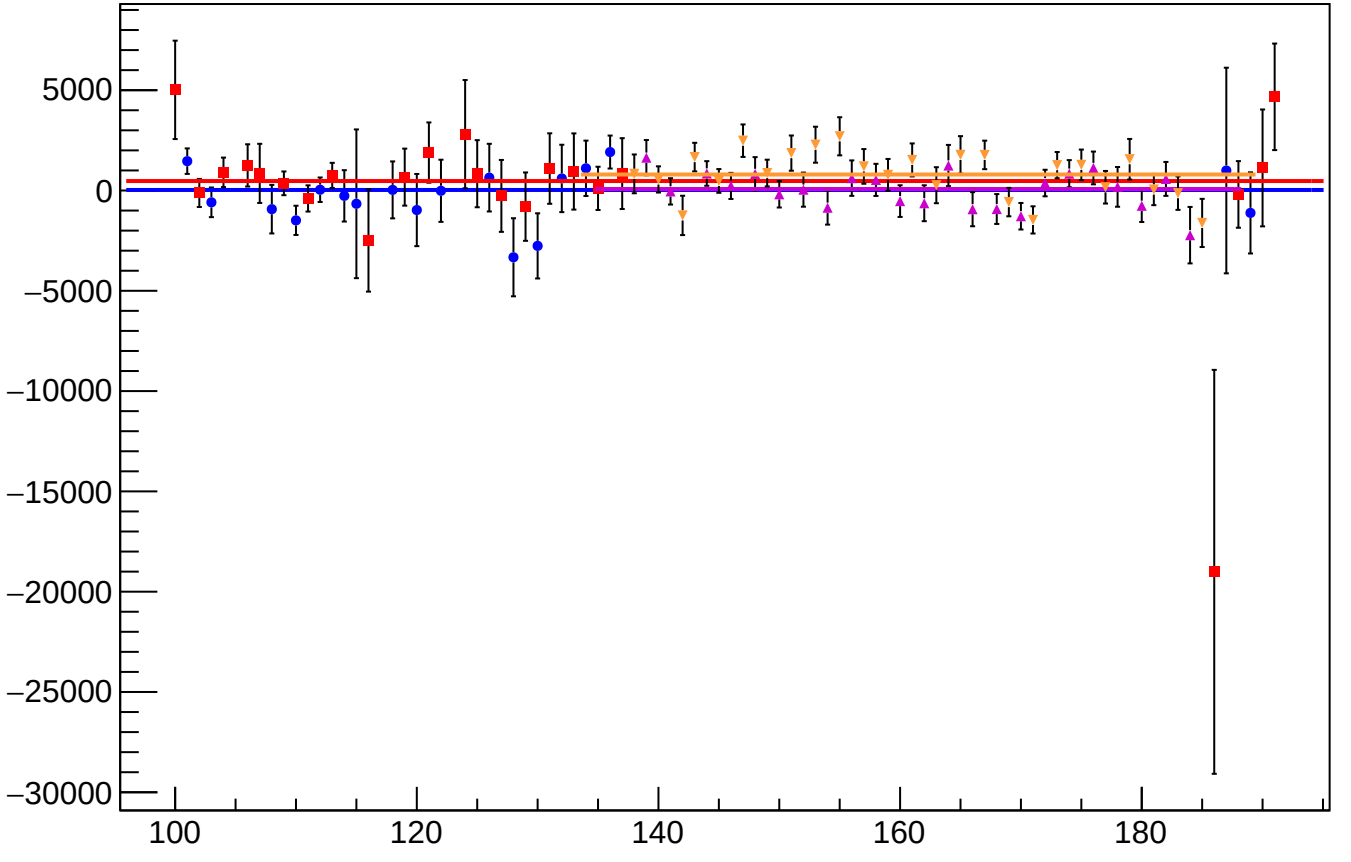
Left In: 700.079+/-0.117 χ^2/NDF:584314.1/22

+ sign 688.761+/-0.096 χ^2/NDF: 3122350.7/42

All: 685.622+/-0.068 χ^2/NDF: 7604368.7/88

- sign 682.510+/-0.096 χ^2/NDF: 4479900.1/45

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: 471.937+/-236.804 χ^2/NDF: 17.7/22

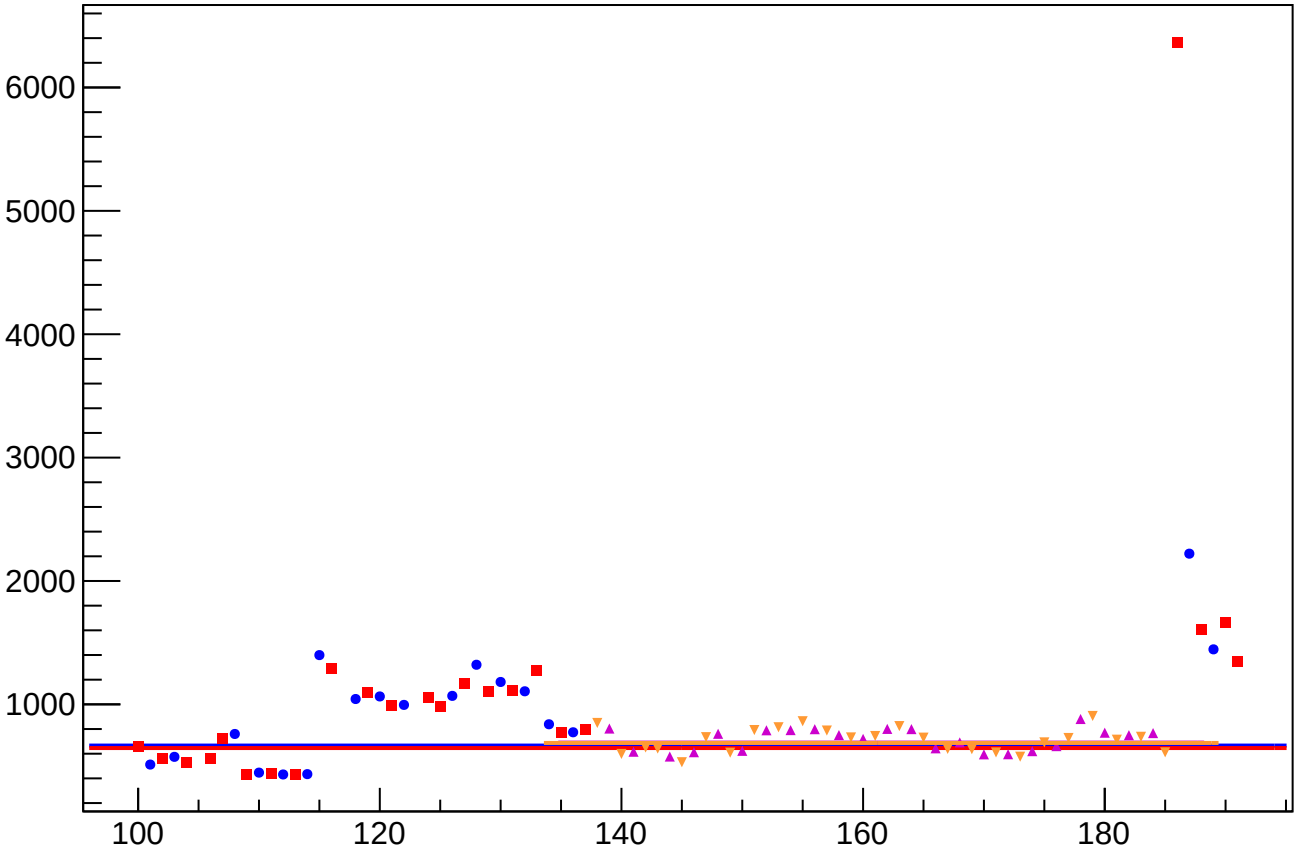
Left In: 73.501+/-162.879 χ^2/NDF:24.9/22

+ sign 585.810+/-134.736 χ^2/NDF: 76.5/42

All: 392.868+/-95.083 χ^2/NDF: 125.1/88

- sign 201.462+/-134.199 χ^2/NDF: 44.5/45

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

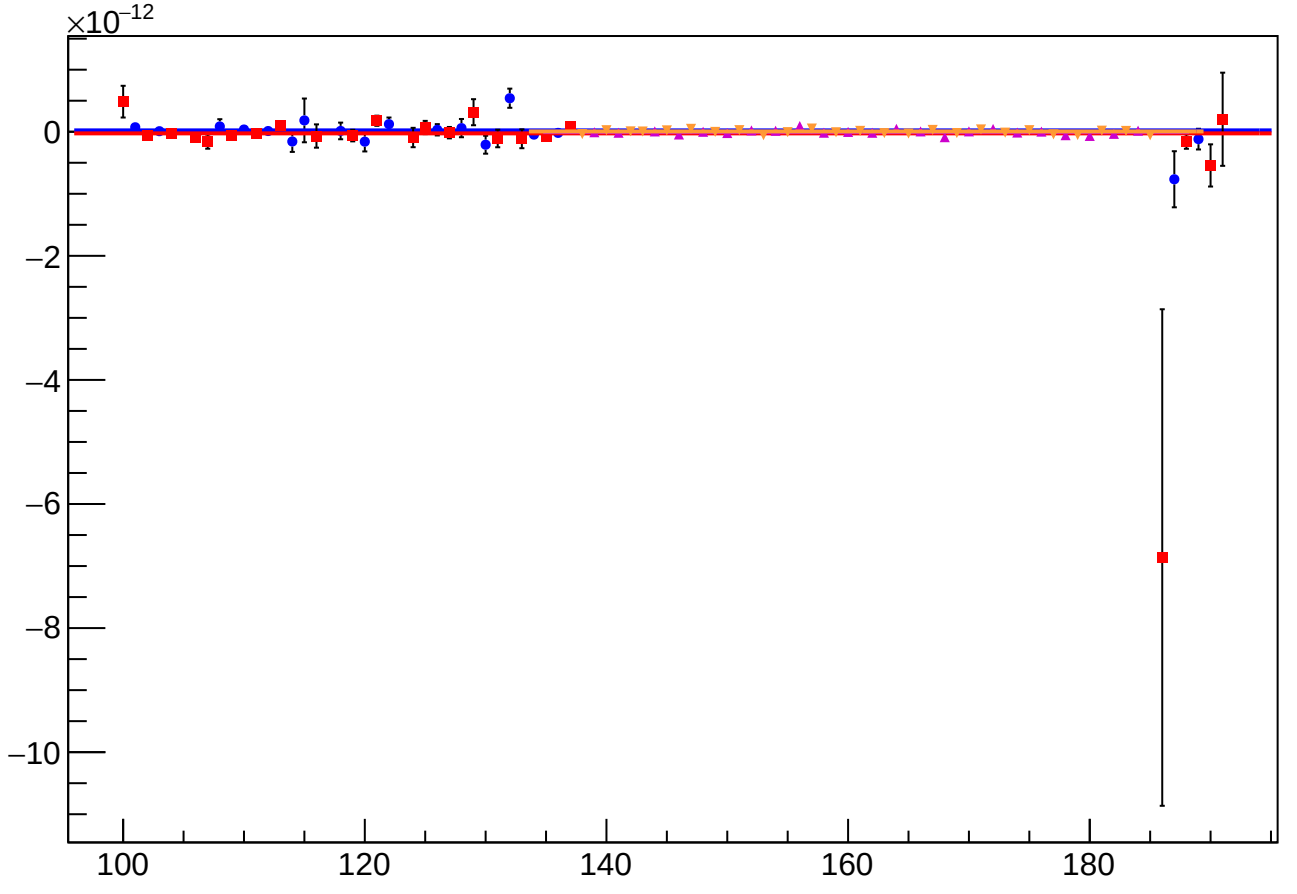
Right Out: 645.803+/-0.167 χ^2/NDF: 3787338.3/22

Left In: 689.997+/-0.115 χ^2/NDF:567089.0/22

+ sign 681.408+/-0.095 χ^2/NDF: 3073759.4/42

All: 678.595+/-0.067 χ^2/NDF: 7477210.7/88

- sign 675.804+/-0.095 χ^2/NDF: 4401714.0/45



Right In: 0.000+/-0.000 χ^2/NDF: 27.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:22.0/24

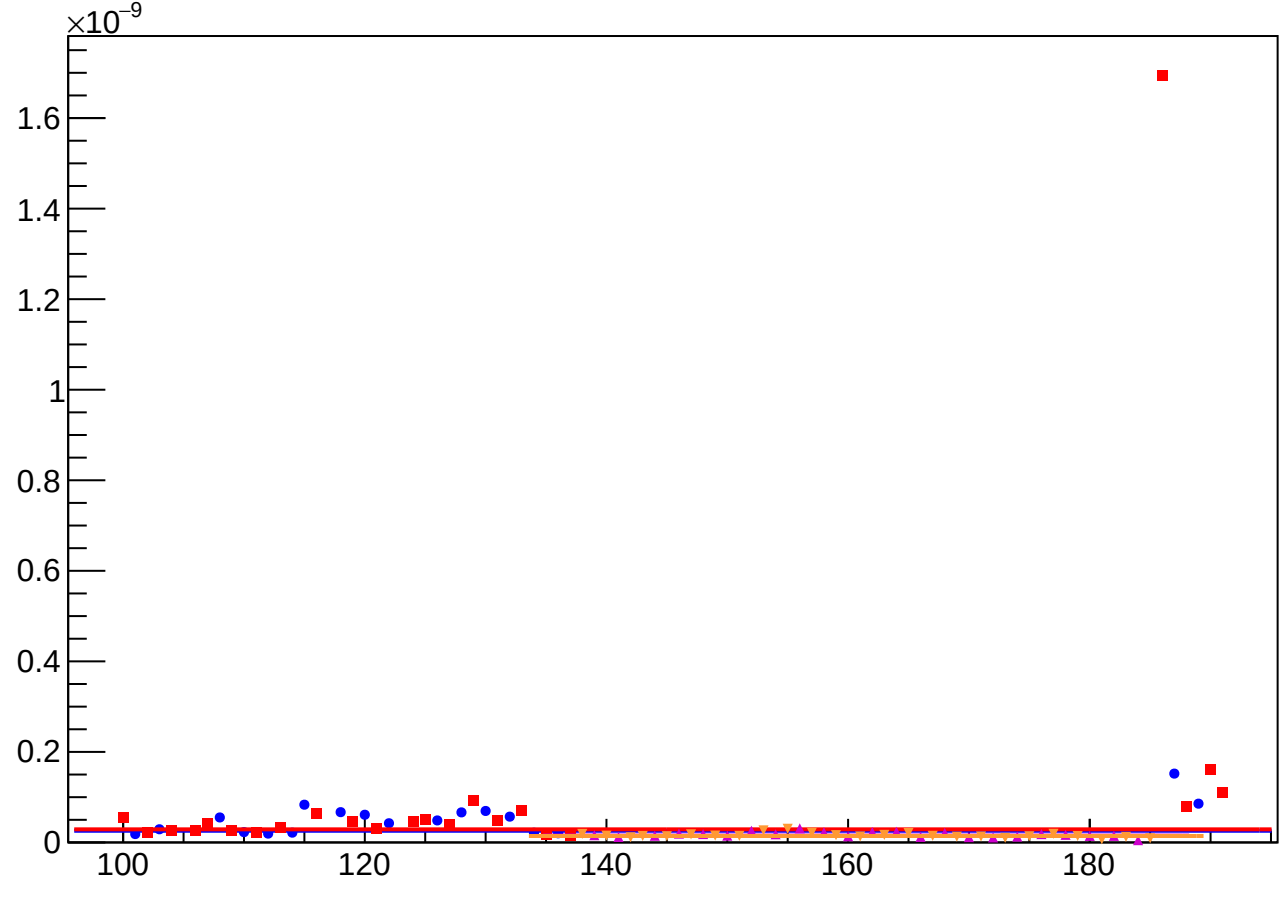
Right Out: -0.000+/-0.000 χ^2/NDF: 32.3/22

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: 114.6/88

- sign -0.000+/-0.000 χ^2/NDF: 60.2/45



Right In: 0.000+/-0.000 χ^2/NDF: 1728769.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:992947.6/24

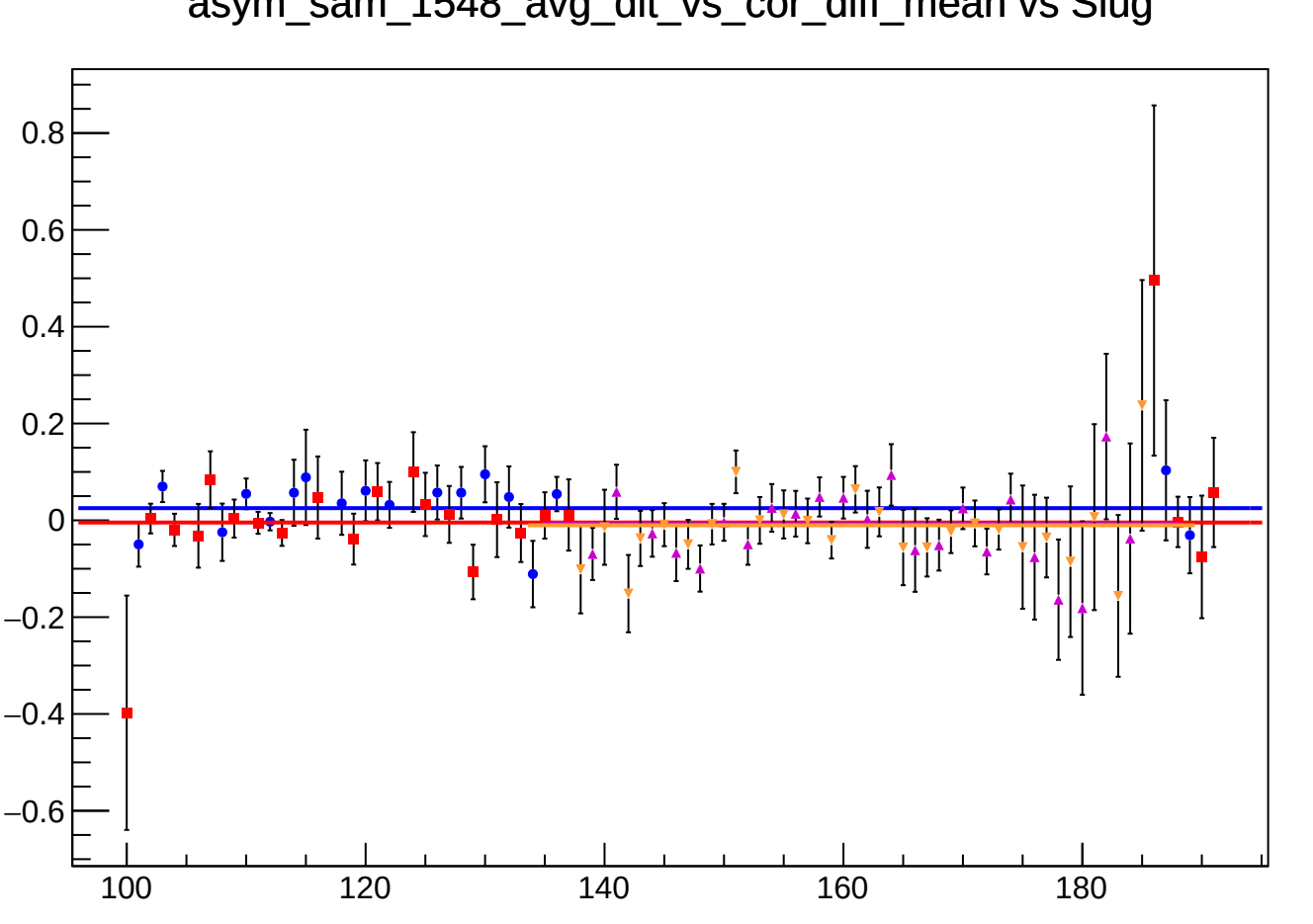
Right Out: 0.000+/-0.000 χ^2/NDF: 2048204.5/22

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: 8224269.8/88

- sign 0.000+/-0.000 χ^2/NDF: 4429381.8/45



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: 16.1/22

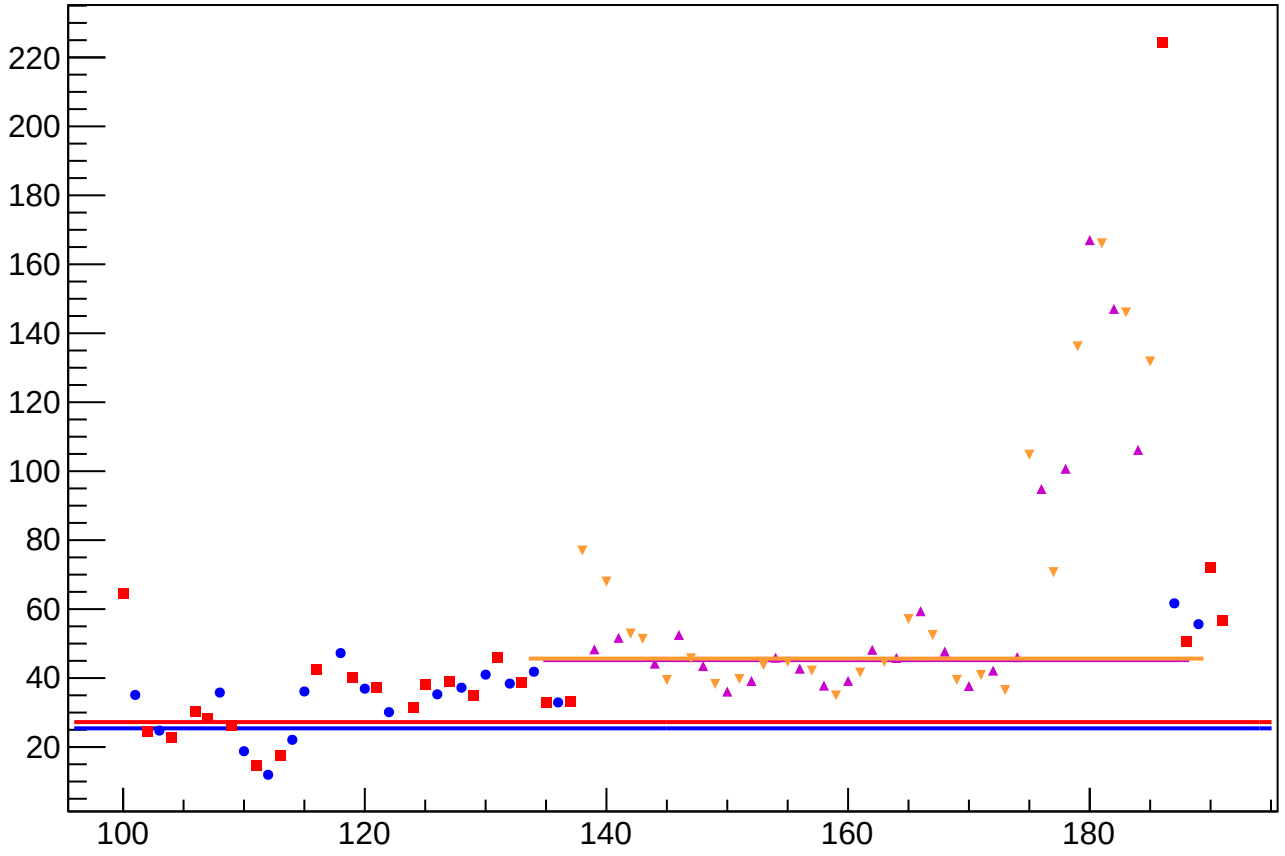
Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.009+/-0.008 χ^2/NDF: 40.8/42

All: 0.002+/-0.005 χ^2/NDF: 82.2/88

- sign -0.006+/-0.008 χ^2/NDF: 39.5/45

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

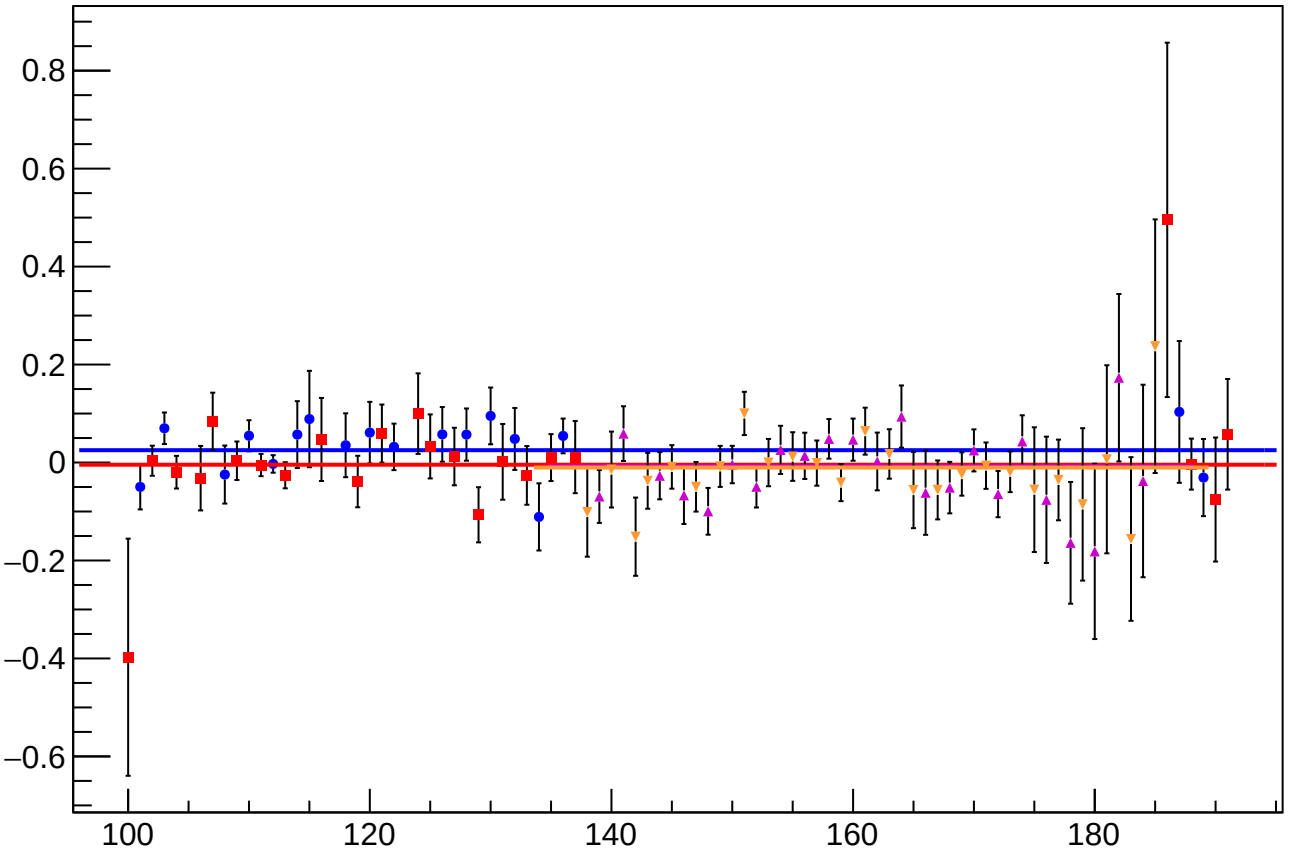
Right Out: 27.234+/-0.007 χ^2/NDF: 3043990.5/22

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

+ sign 34.567+/-0.005 χ^2/NDF: 10266974.2/42

All: 34.837+/-0.004 χ^2/NDF: 19099114.5/88

- sign 35.106+/-0.005 χ^2/NDF: 8827069.0/45



Right In: 0.025+/-0.010 χ^2/NDF: 17.3/17

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

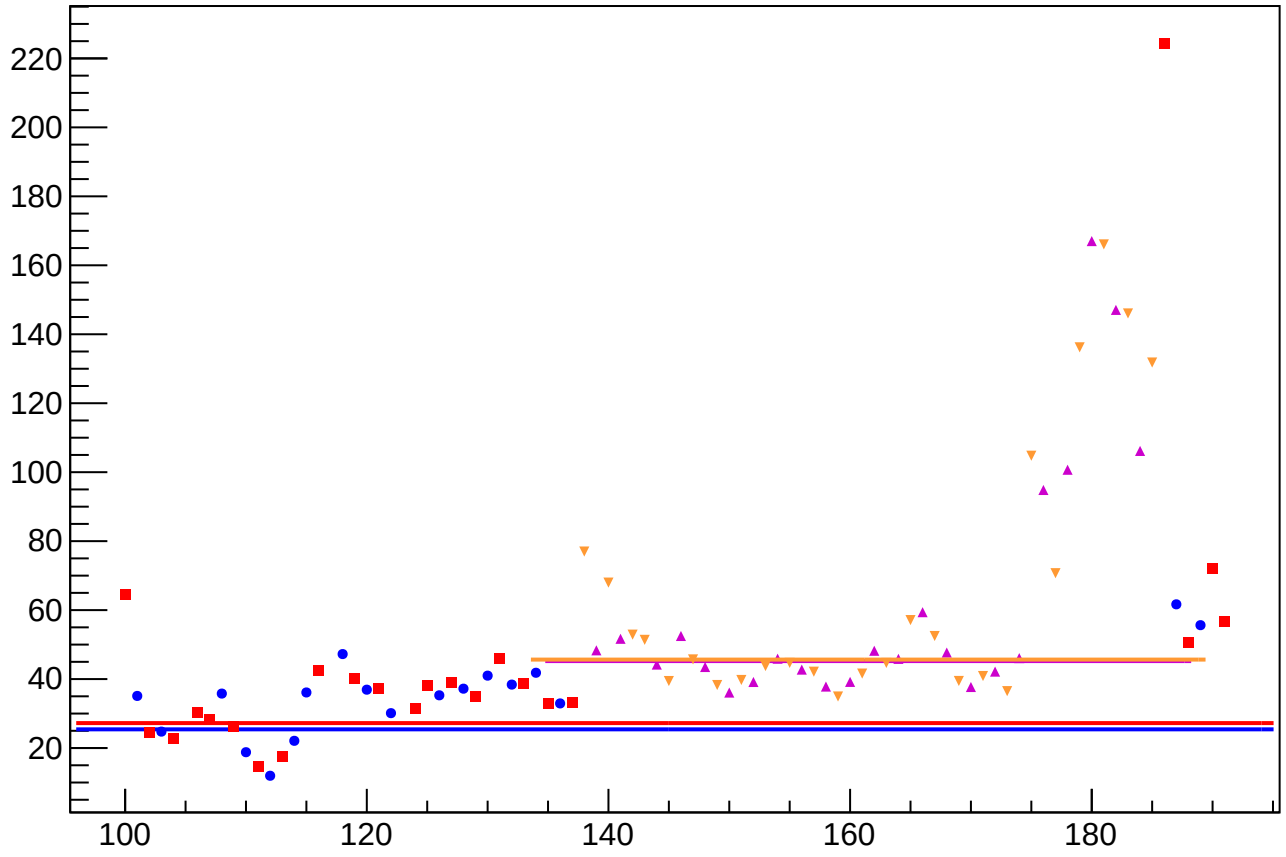
Right Out: -0.005+/-0.010 χ^2/NDF: 16.1/22

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: 82.2/88

- sign -0.006+/-0.008 χ^2/NDF: 39.5/45



Right In: 25.420+/-0.007 χ^2/NDF: 2724335.9/17

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

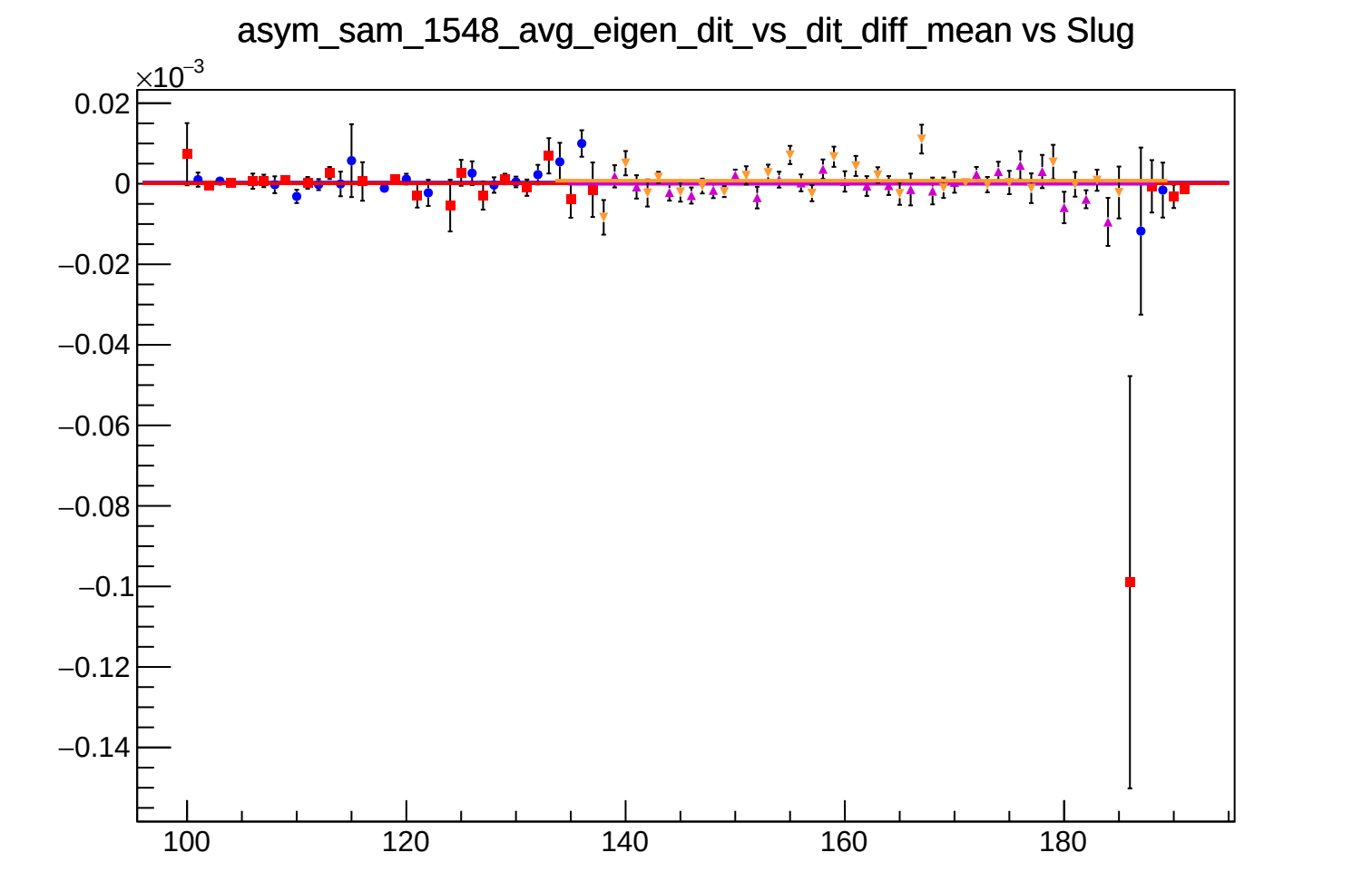
Right Out: 27.234+/-0.007 χ^2/NDF: 3043990.5/22

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

+ sign 34.567+/-0.005 χ^2/NDF: 10266974.2/42

All: 34.837+/-0.004 χ^2/NDF: 19099114.5/88

- sign 35.106+/-0.005 χ^2/NDF: 8827069.0/45



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:46.2/24

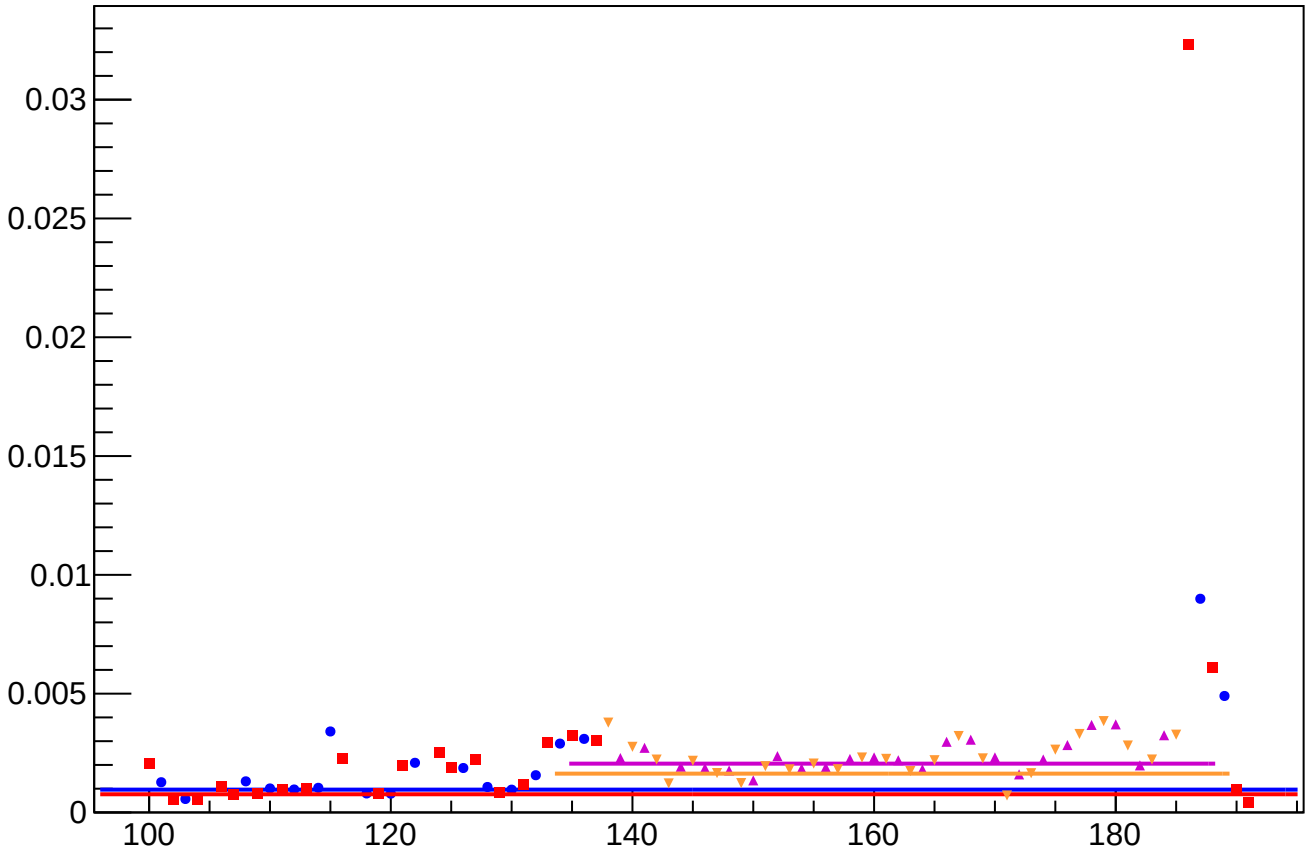
Right Out: 0.000+/-0.000 χ^2/NDF: 22.0/22

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 66.6/42

All: 0.000+/-0.000 χ^2/NDF: 114.3/88

- sign 0.000+/-0.000 χ^2/NDF: 46.5/45



Right In: 0.001+/-0.000 χ^2/NDF: 3636890.3/17

Left Out: 0.002+/-0.000 χ^2/NDF:6495366.7/24

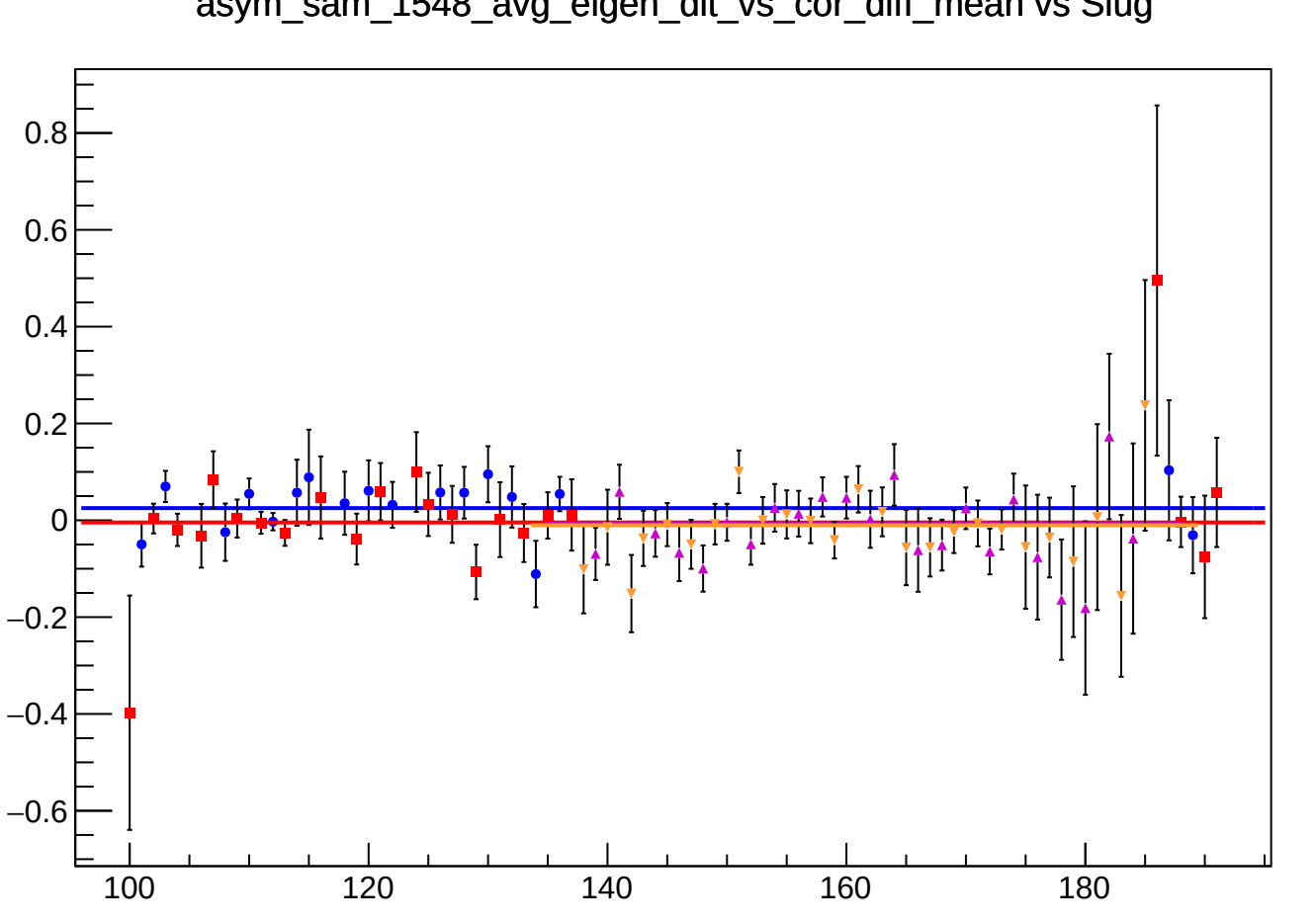
Right Out: 0.001+/-0.000 χ^2/NDF: 5808638.9/22

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: 30692053.6/88

- sign 0.001+/-0.000 χ^2/NDF: 17458569.8/45



Right In: 0.025+/-0.010 χ^2/NDF: 17.3/17

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

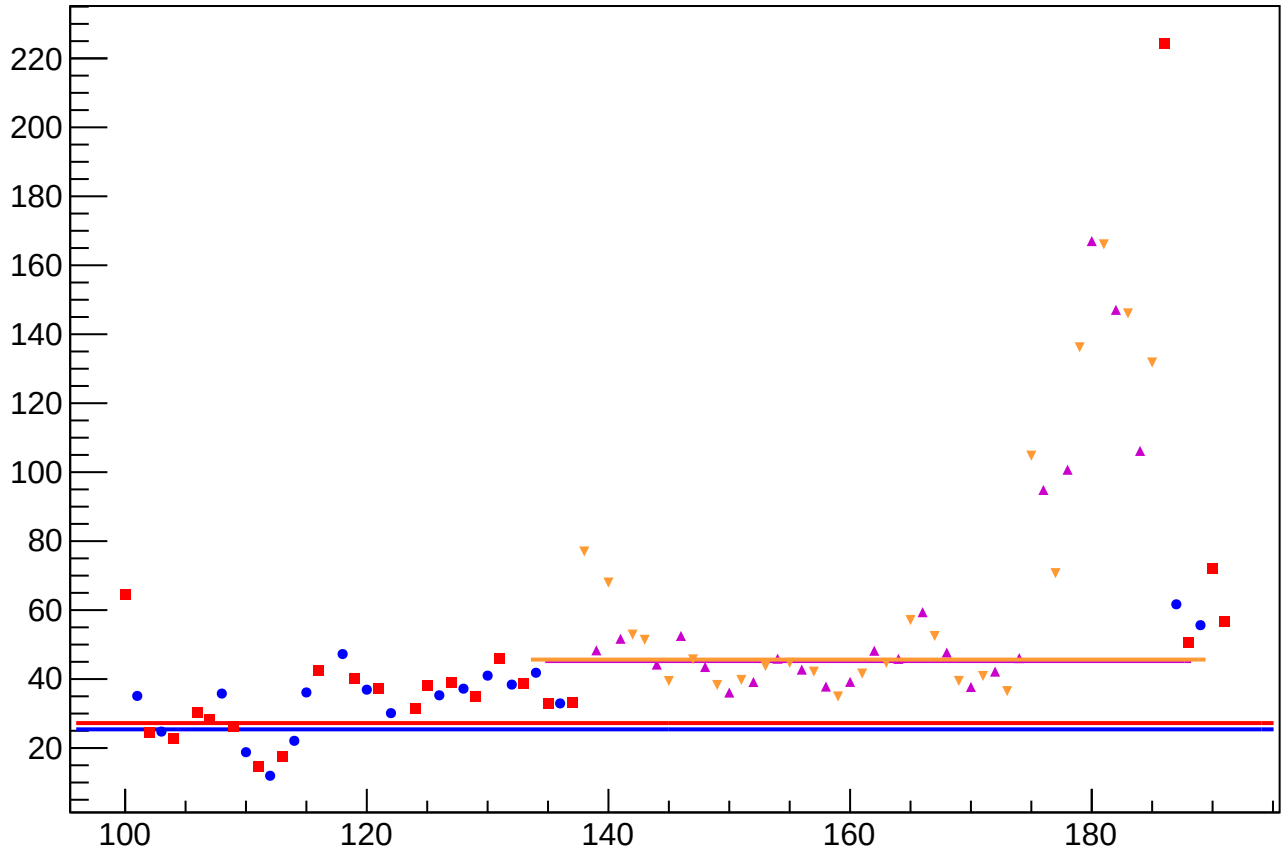
Right Out: -0.005+/-0.010 χ^2/NDF: 16.1/22

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: 82.2/88

- sign -0.006+/-0.008 χ^2/NDF: 39.5/45



Right In: 25.420+/-0.007 χ^2/NDF: 2724518.0/17

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

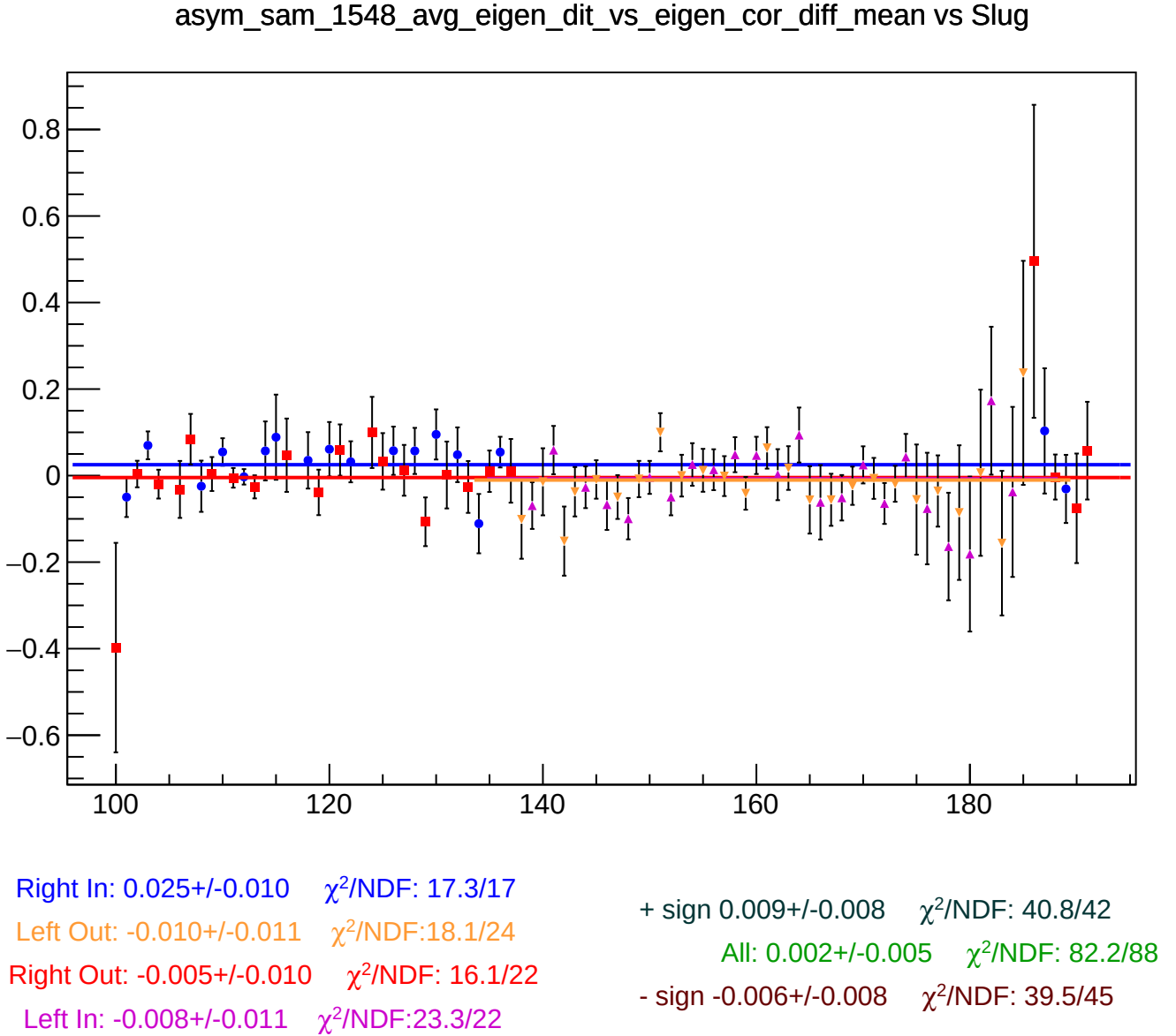
Right Out: 27.233+/-0.007 χ^2/NDF: 3044156.7/22

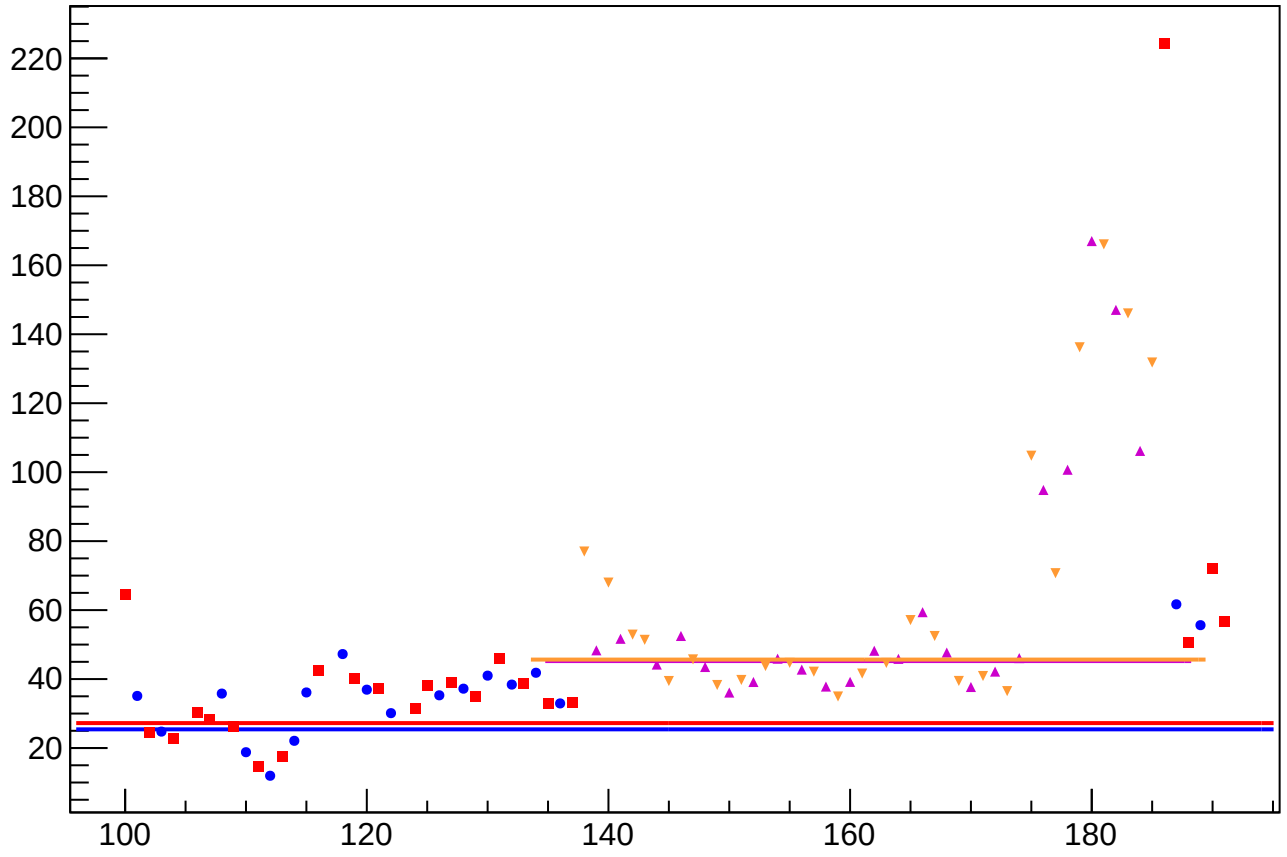
Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 34.567+/-0.005 χ^2/NDF: 10267433.1/42

All: 34.837+/-0.004 χ^2/NDF: 19099919.6/88

- sign 35.106+/-0.005 χ^2/NDF: 8827412.3/45


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
120
140
160
180
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: 16.1/22
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: 82.2/88
- sign -0.006+/-0.008 χ²/NDF: 39.5/45



Right In: 25.420+/-0.007 χ^2/NDF: 2724518.0/17

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

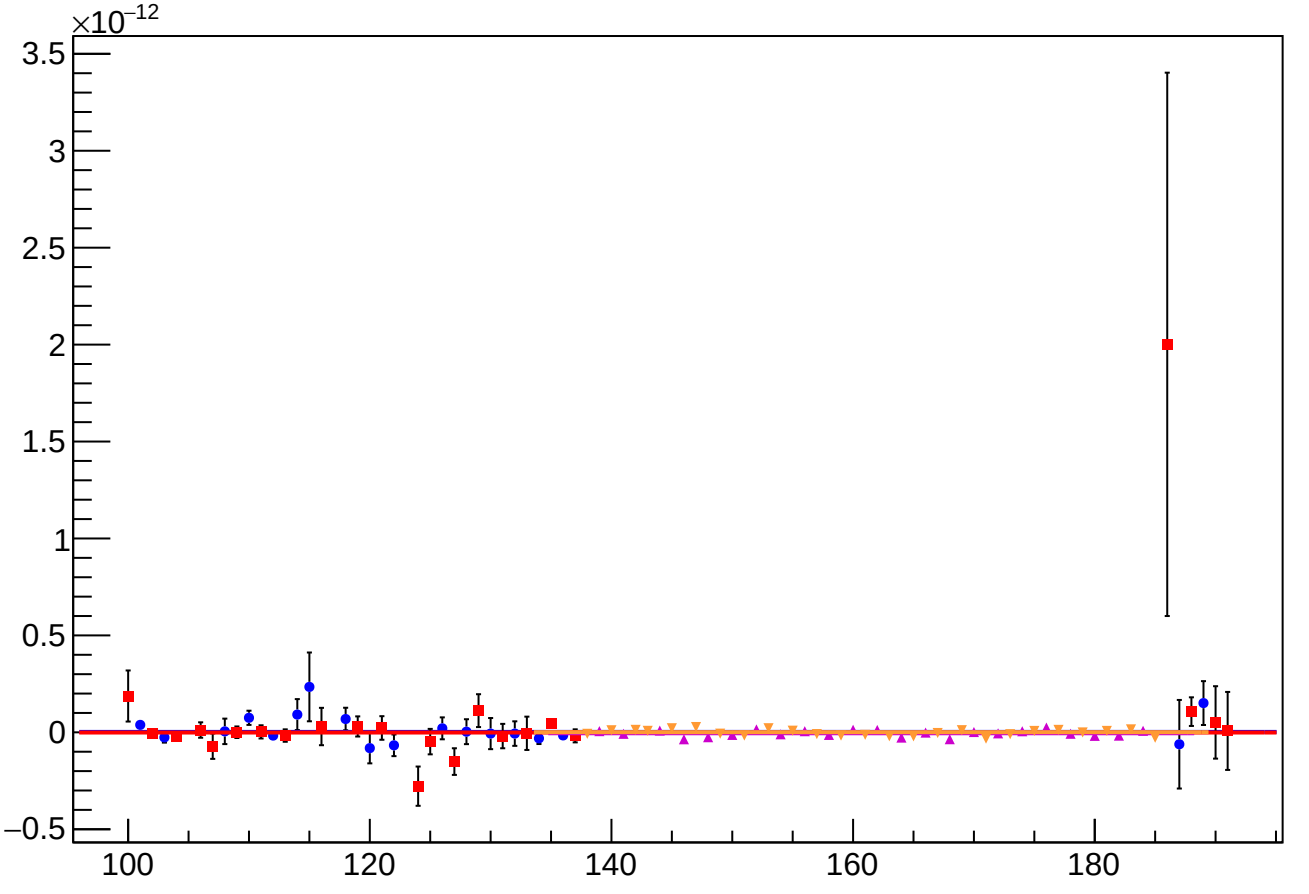
Right Out: 27.233+/-0.007 χ^2/NDF: 3044156.7/22

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 34.567+/-0.005 χ^2/NDF: 10267433.1/42

All: 34.837+/-0.004 χ^2/NDF: 19099919.6/88

- sign 35.106+/-0.005 χ^2/NDF: 8827412.3/45



Right In: 0.000+/-0.000 χ^2/NDF: 20.5/17

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

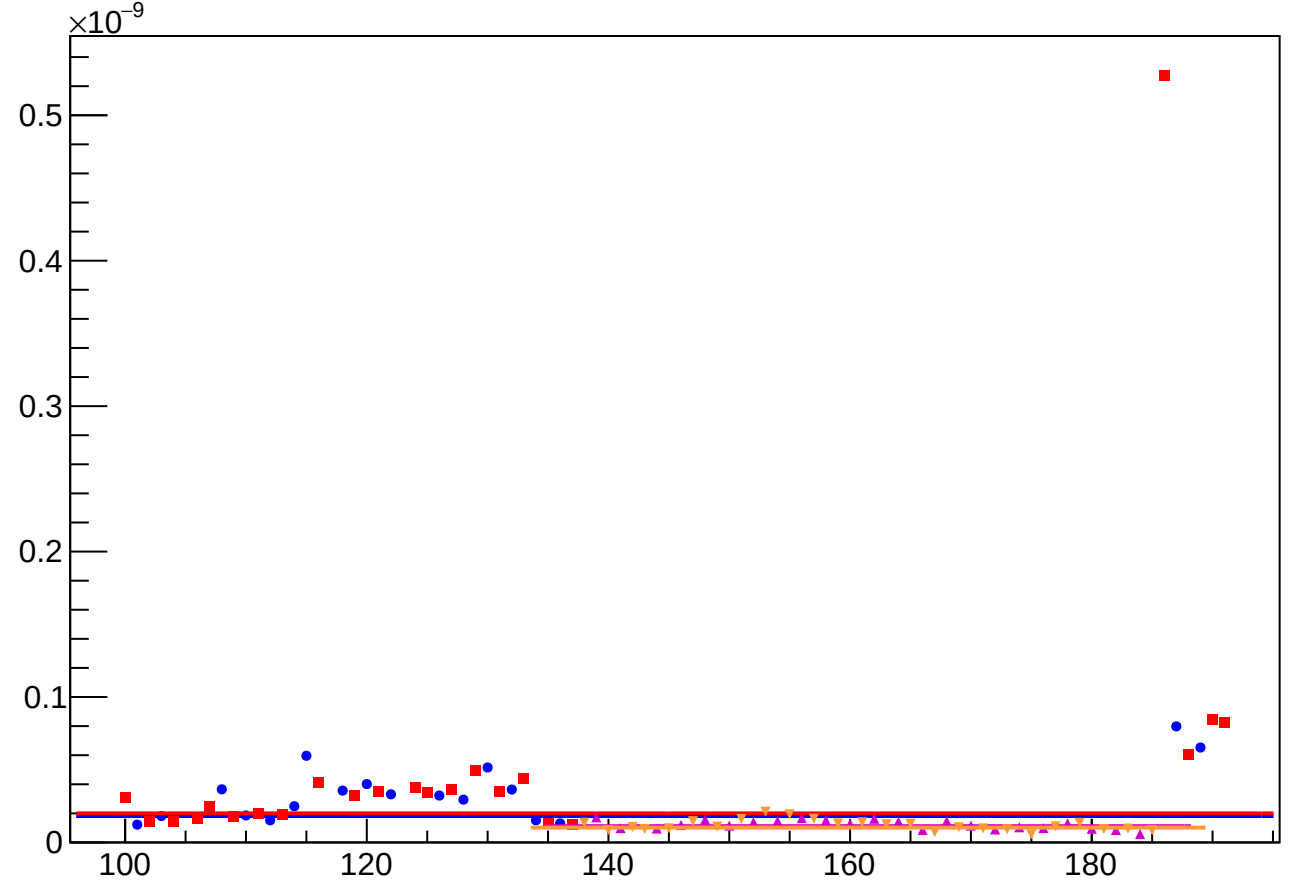
Right Out: -0.000+/-0.000 χ^2/NDF: 27.8/22

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: 99.3/88

- sign -0.000+/-0.000 χ^2/NDF: 51.6/45



Right In: 0.000+/-0.000 χ^2/NDF: 2365632.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:2257651.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2941124.3/22

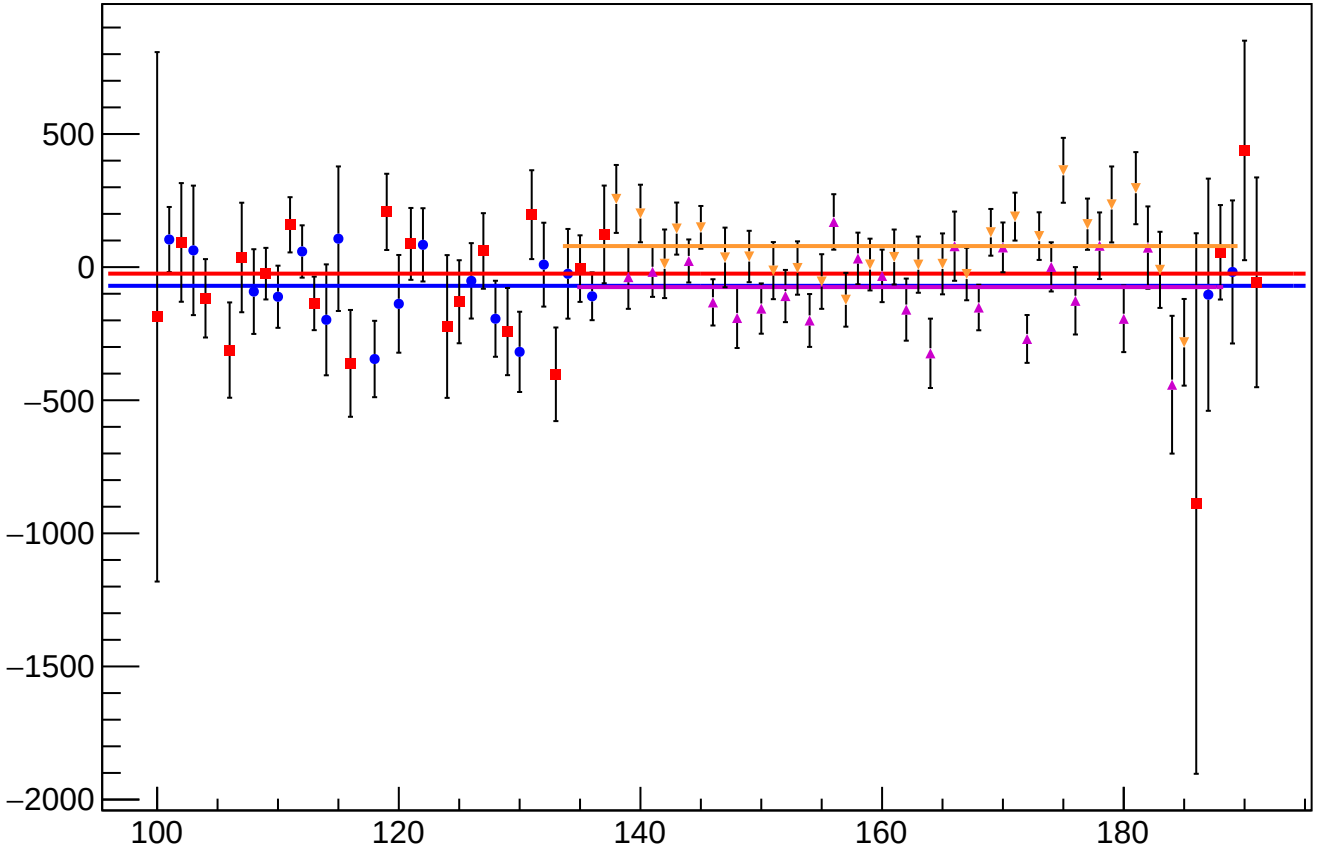
Left In: 0.000+/-0.000 χ^2/NDF:1536588.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 6152907.6/42

All: 0.000+/-0.000 χ^2/NDF: 12465948.8/88

- sign 0.000+/-0.000 χ^2/NDF: 6163744.9/45

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: -24.461+/-33.373 χ^2/NDF: 26.2/22

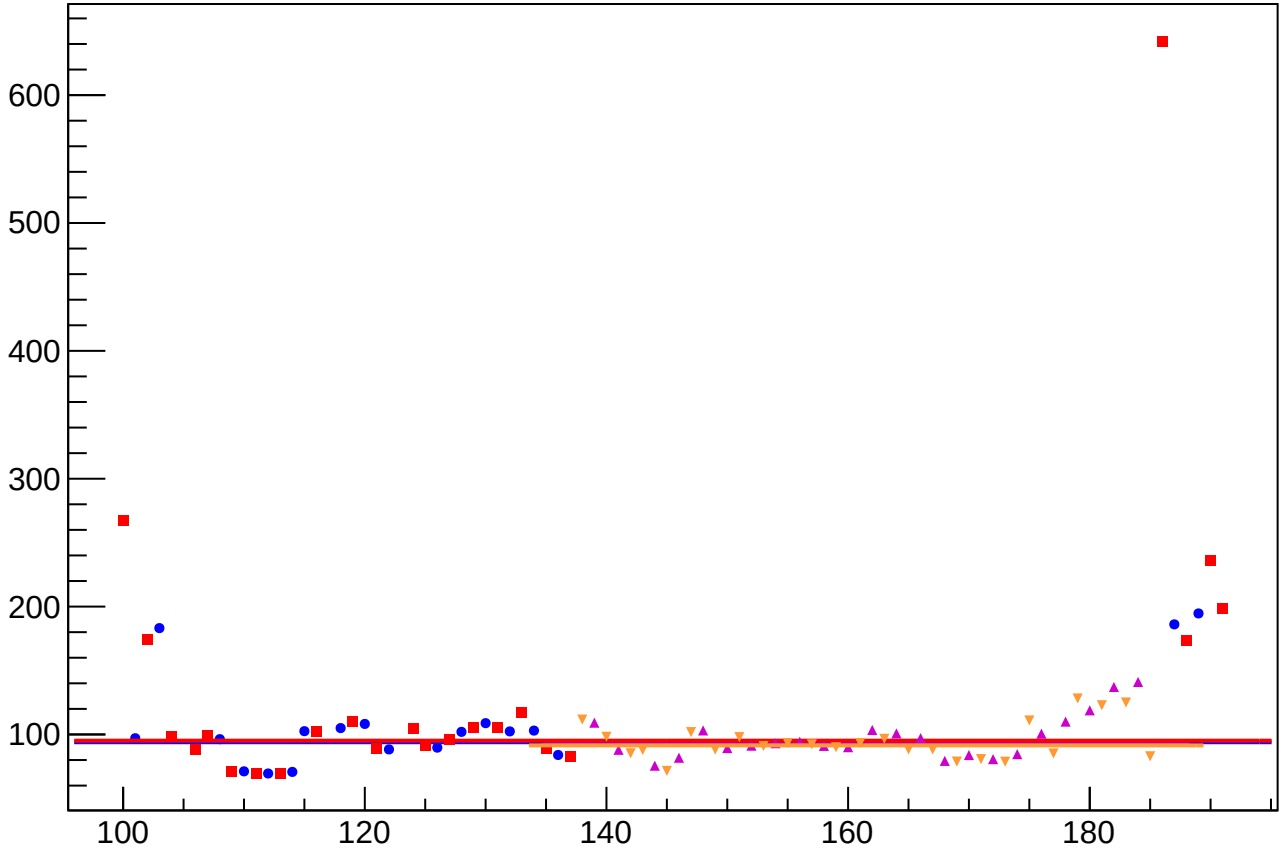
Left In: -75.048+/-21.837 χ^2/NDF:32.6/22

+ sign 38.811+/-18.032 χ^2/NDF: 59.6/42

All: -9.881+/-12.835 χ^2/NDF: 134.8/88

- sign -59.883+/-18.273 χ^2/NDF: 60.5/45

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: 95.137+/-0.024 χ^2/NDF: 2132705.0/22

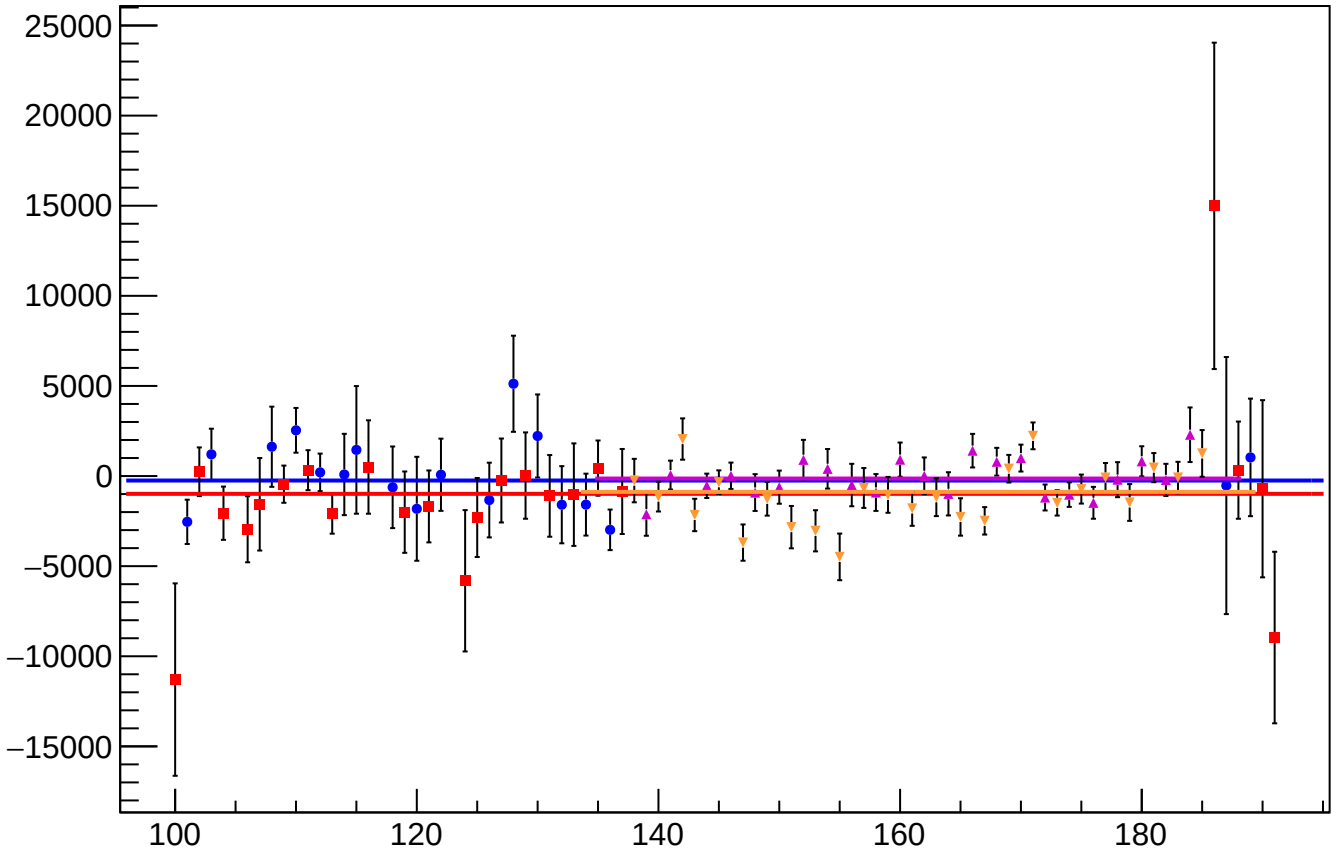
Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 92.127+/-0.013 χ^2/NDF: 1718284.4/42

All: 92.563+/-0.009 χ^2/NDF: 4564545.6/88

- sign 93.011+/-0.013 χ^2/NDF: 2843889.3/45

asym_sam_3748_avg_reg_correction_mean vs Slug



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: -987.017+/-393.460 χ^2/NDF: 18.8/22

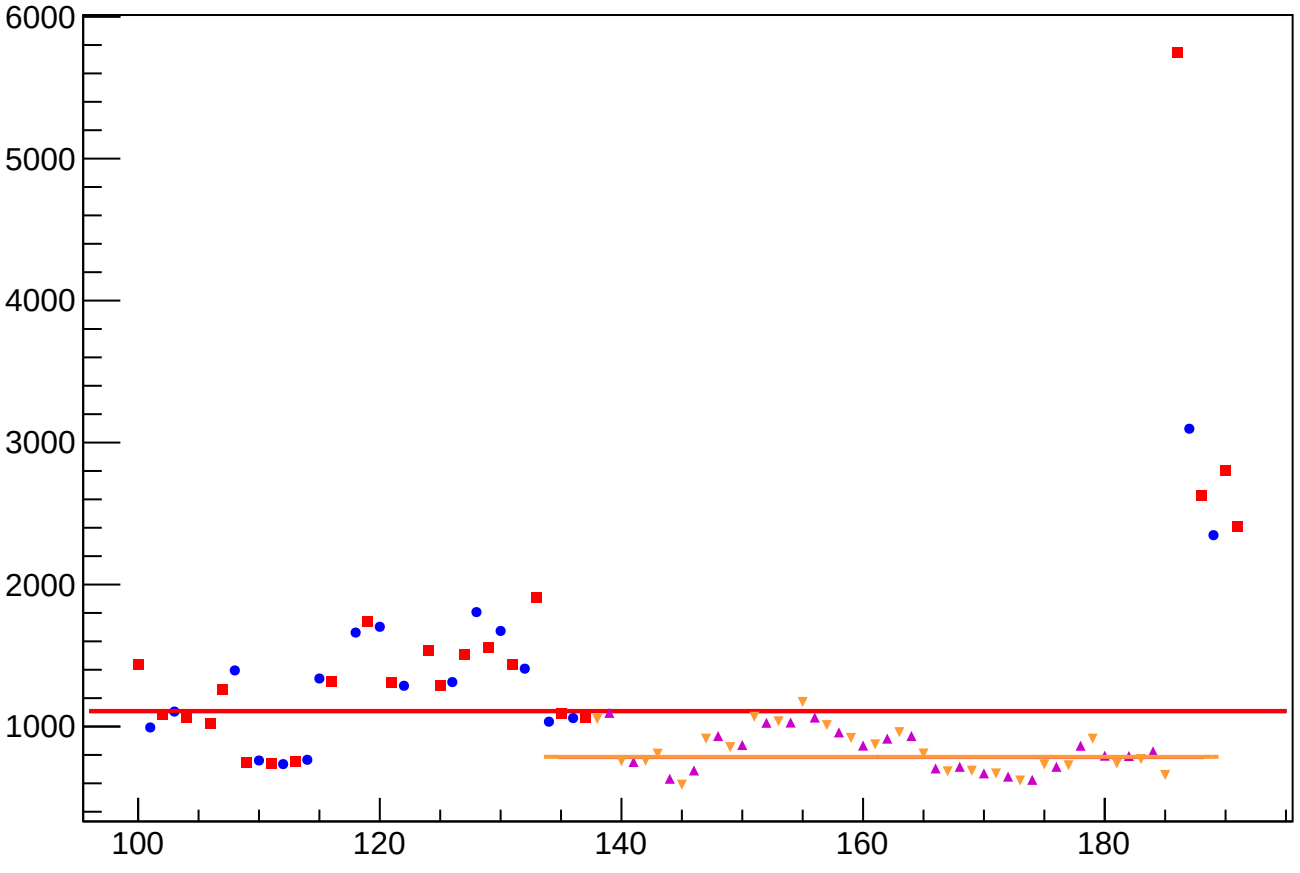
Left In: -138.728+/-186.573 χ^2/NDF:24.2/22

+ sign -776.807+/-166.849 χ^2/NDF: 93.3/42

All: -538.120+/-118.587 χ^2/NDF: 144.2/88

- sign -294.452+/-168.581 χ^2/NDF: 46.8/45

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: 1110.069+/-0.278 χ^2/NDF: 2789311.0/22

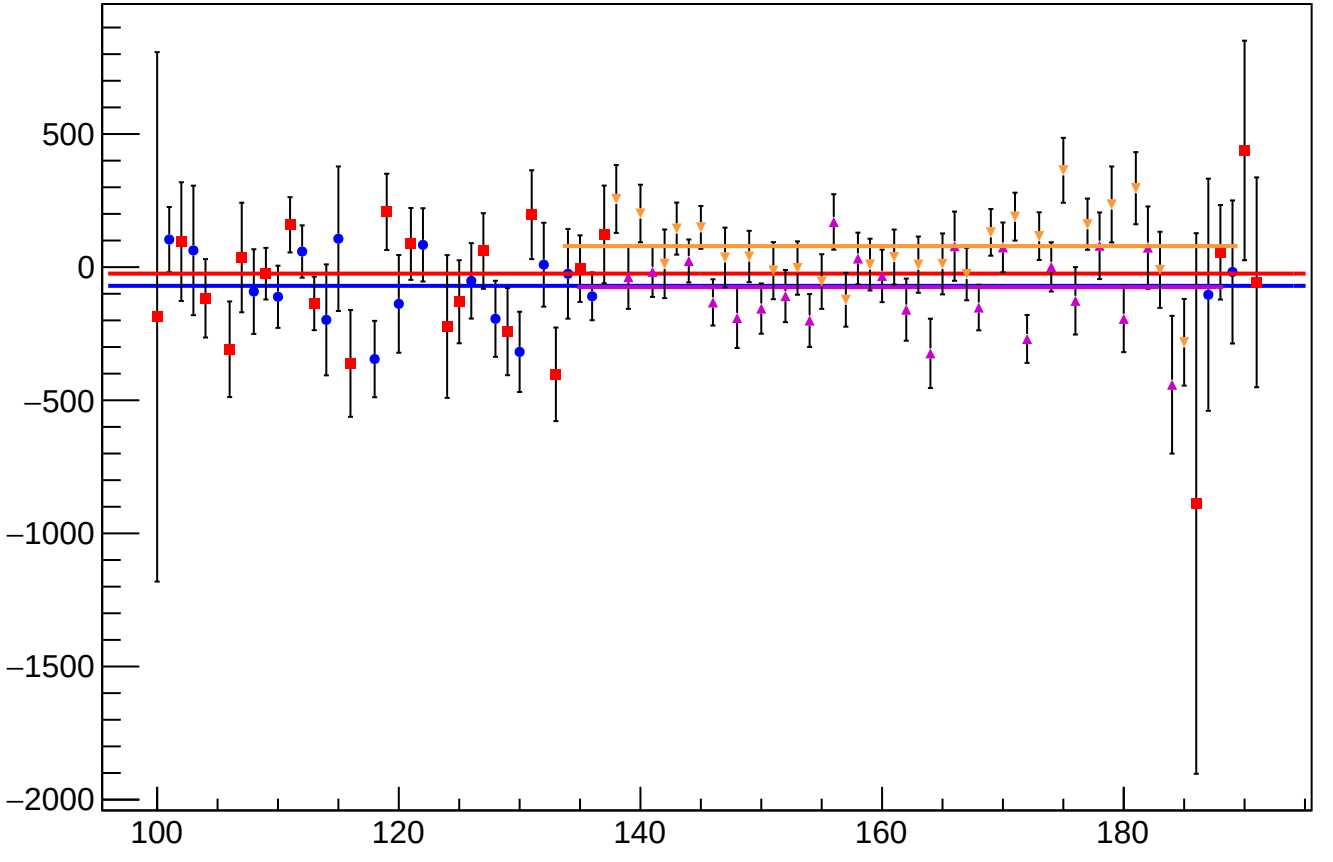
Left In: 784.833+/-0.132 χ^2/NDF:1063747.2/22

+ sign 838.486+/-0.118 χ^2/NDF: 3717413.8/42

All: 841.481+/-0.084 χ^2/NDF: 8687460.1/88

- sign 844.538+/-0.119 χ^2/NDF: 4968744.1/45

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: -24.220+/-33.377 χ^2/NDF: 26.2/22

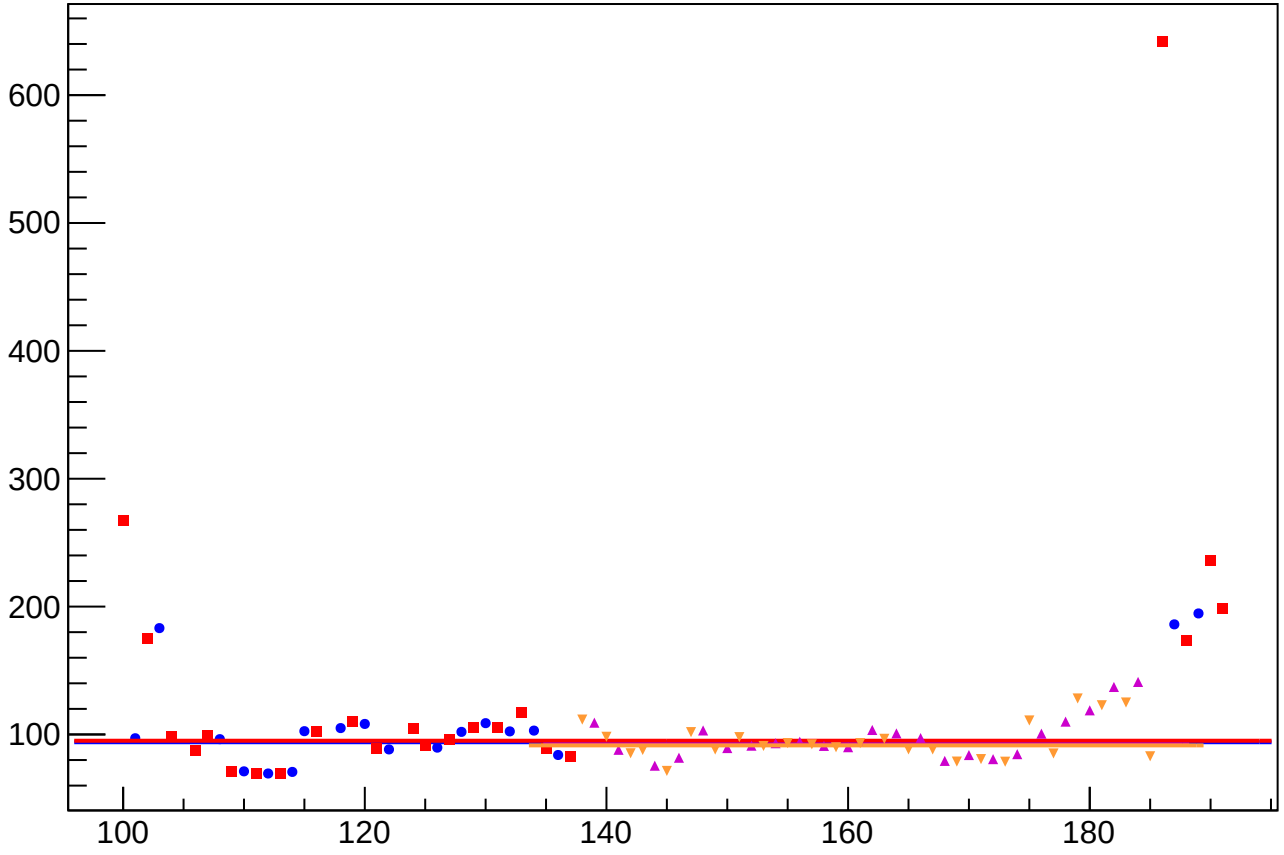
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 38.815+/-18.032 χ^2/NDF: 59.6/42

All: -9.844+/-12.835 χ^2/NDF: 134.8/88

- sign -59.813+/-18.273 χ^2/NDF: 60.4/45

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

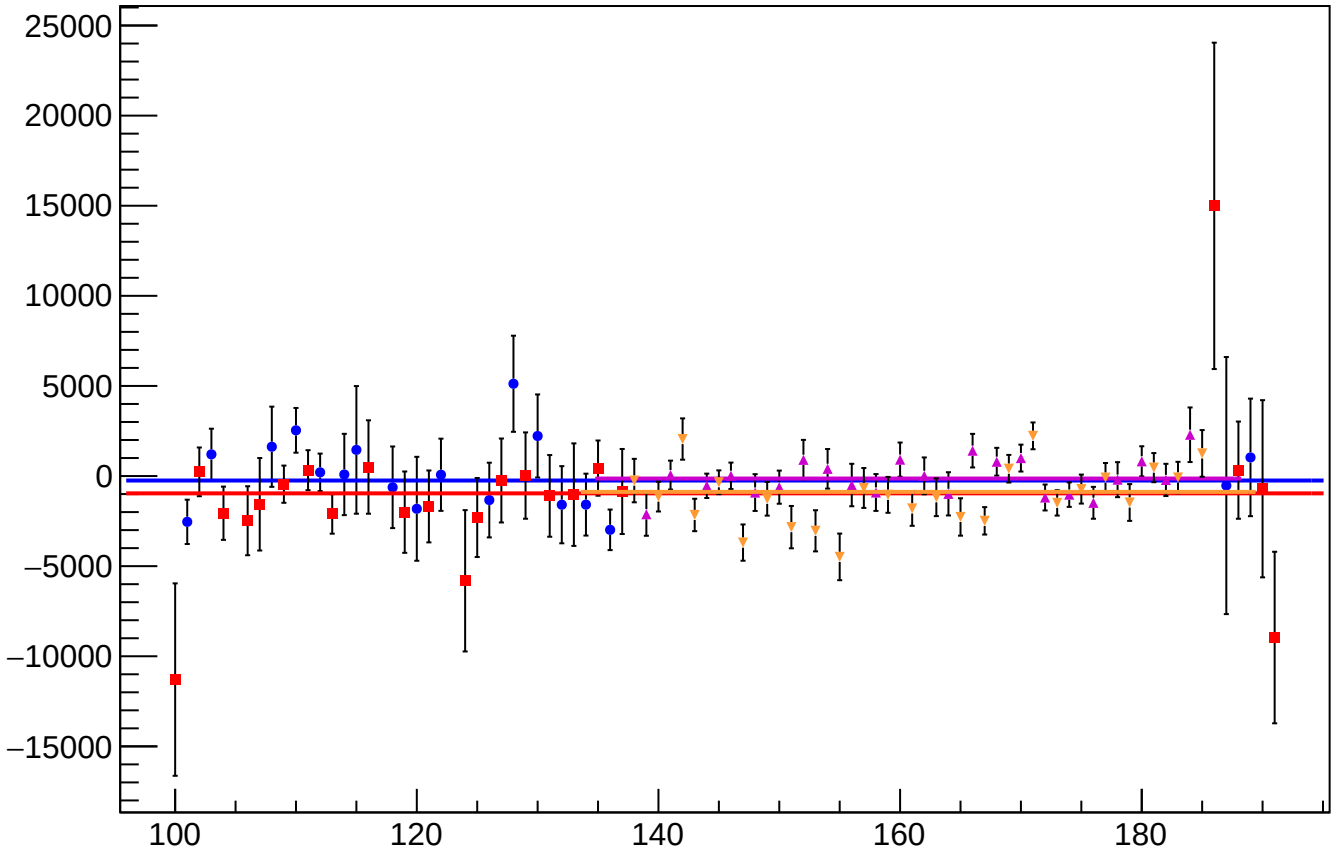
Right Out: 95.093+/-0.024 χ^2/NDF: 2134093.1/22

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 92.127+/-0.013 χ^2/NDF: 1718287.5/42

All: 92.556+/-0.009 χ^2/NDF: 4565531.8/88

- sign 92.998+/-0.013 χ^2/NDF: 2844943.2/45



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: -960.321+/-394.225 χ^2/NDF: 18.3/22

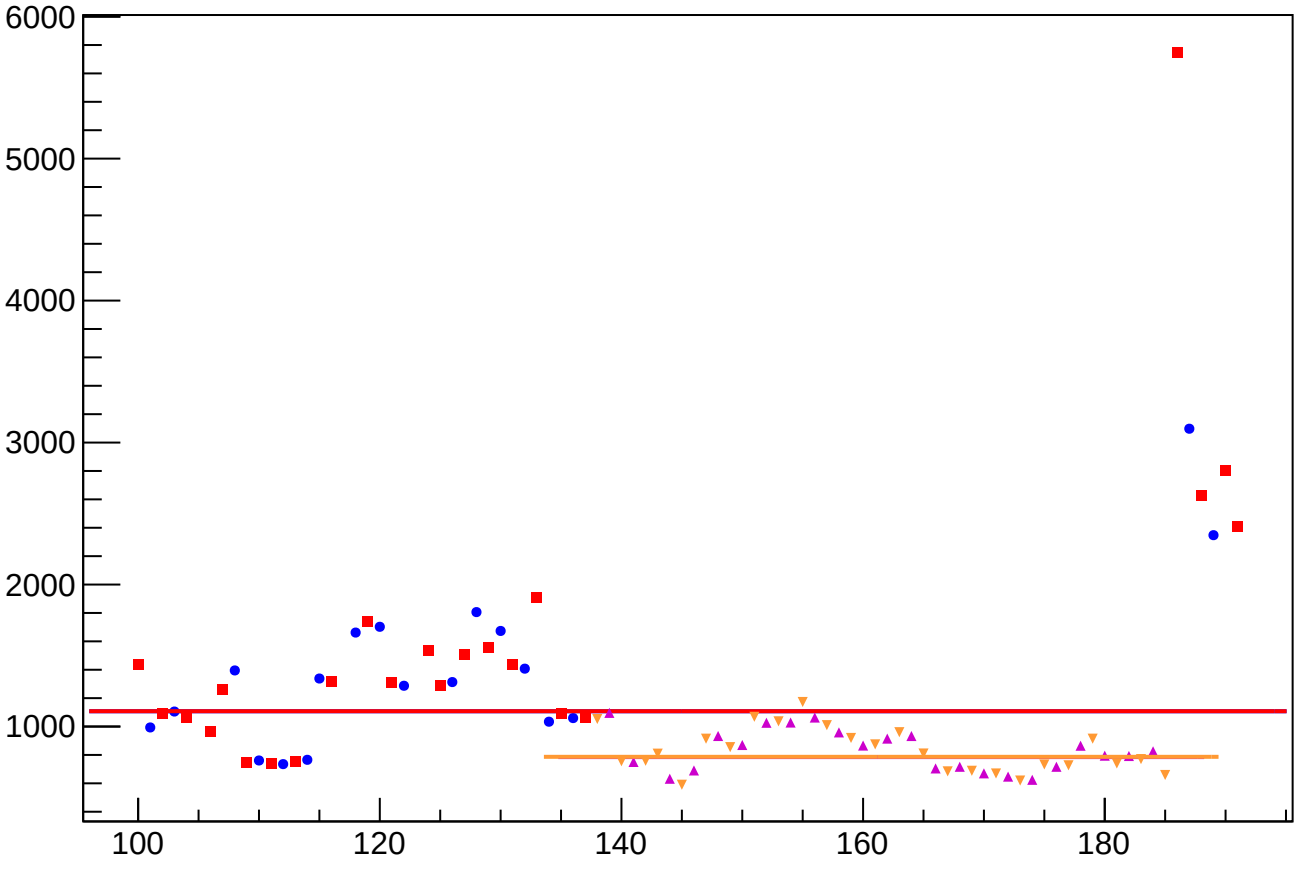
Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

+ sign -776.804+/-166.849 χ^2/NDF: 93.3/42

All: -535.544+/-118.608 χ^2/NDF: 143.5/88

- sign -289.076+/-168.641 χ^2/NDF: 46.0/45

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: 1108.049+/-0.279 χ^2/NDF: 2795981.0/22

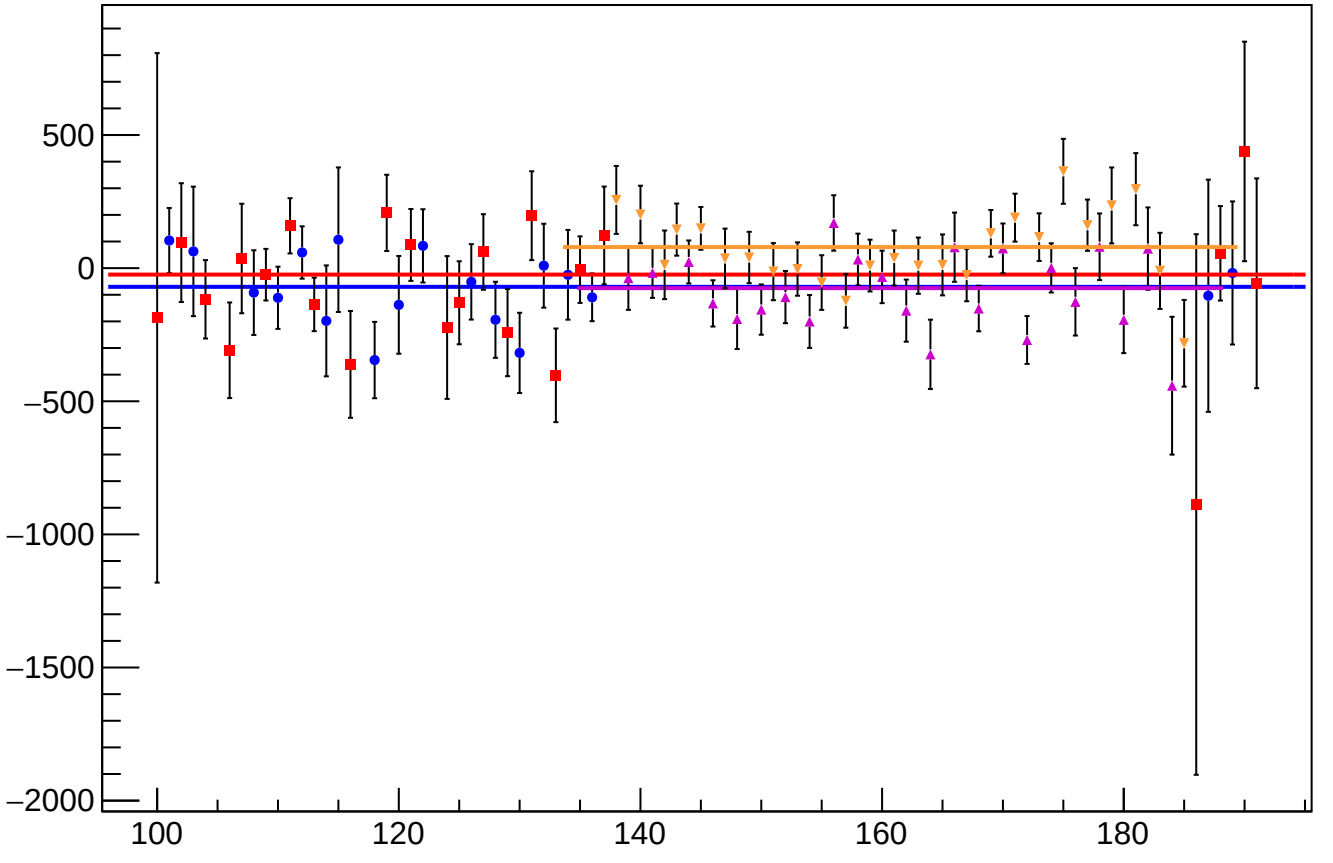
Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

\+ sign 838.487+/-0.118 χ^2/NDF: 3717457.8/42

All: 841.204+/-0.084 χ^2/NDF: 8676637.9/88

\- sign 843.980+/-0.119 χ^2/NDF: 4958107.8/45

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: -24.220+/-33.377 χ^2/NDF: 26.2/22

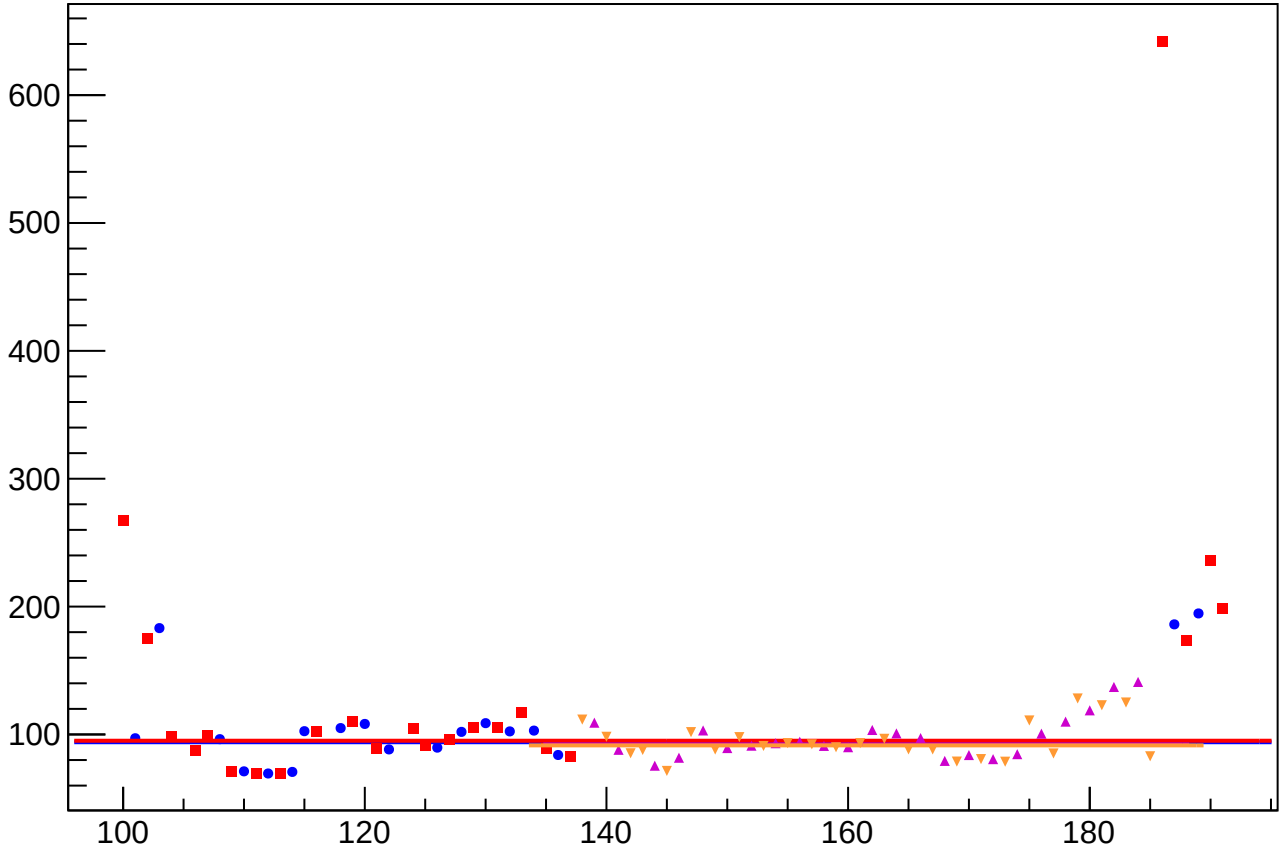
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 38.815+/-18.032 χ^2/NDF: 59.6/42

All: -9.844+/-12.835 χ^2/NDF: 134.8/88

- sign -59.813+/-18.273 χ^2/NDF: 60.4/45

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

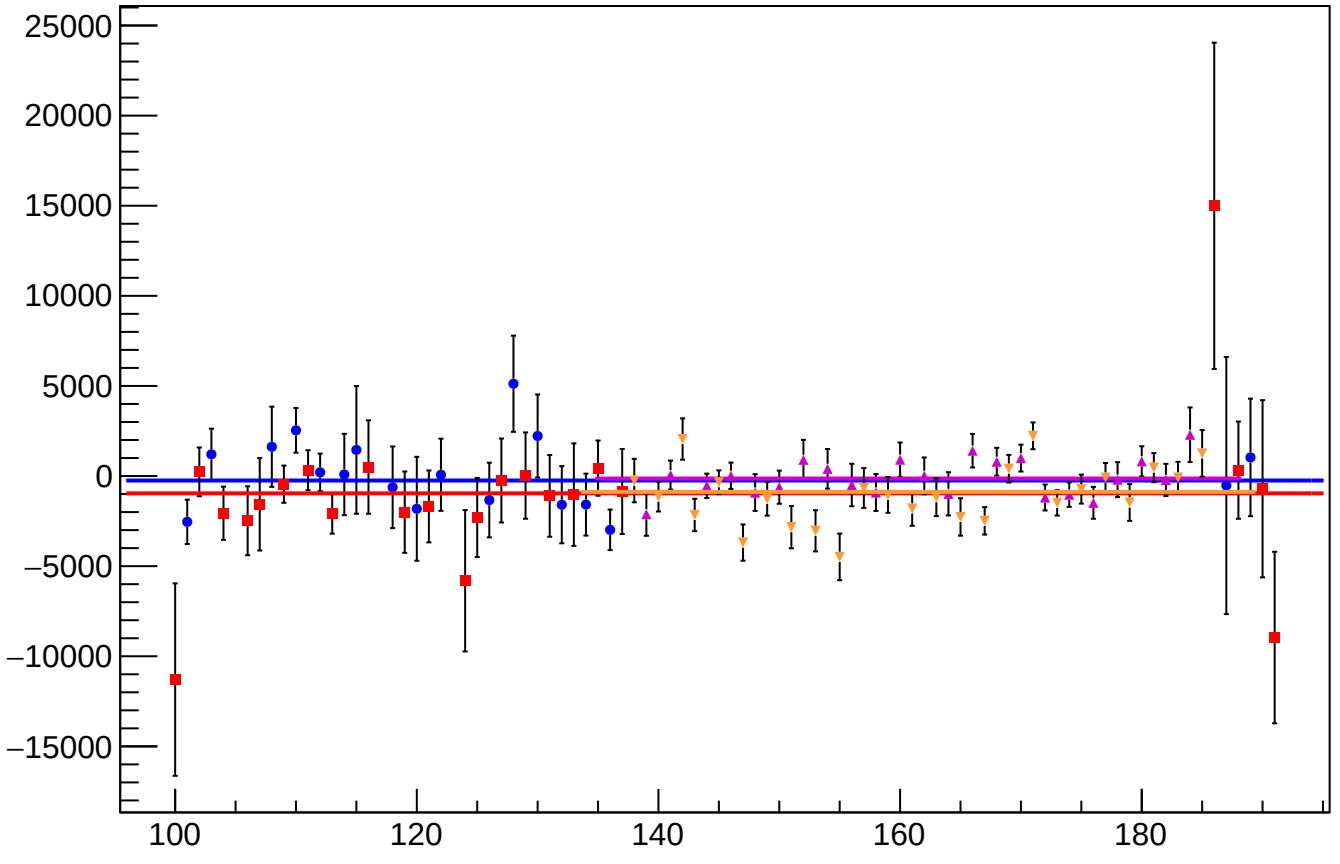
Right Out: 95.093+/-0.024 χ^2/NDF: 2134093.1/22

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 92.127+/-0.013 χ^2/NDF: 1718287.5/42

All: 92.556+/-0.009 χ^2/NDF: 4565531.8/88

- sign 92.998+/-0.013 χ^2/NDF: 2844943.2/45



Right In: -248.244+/-415.445 χ^2/NDF: 23.6/17

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

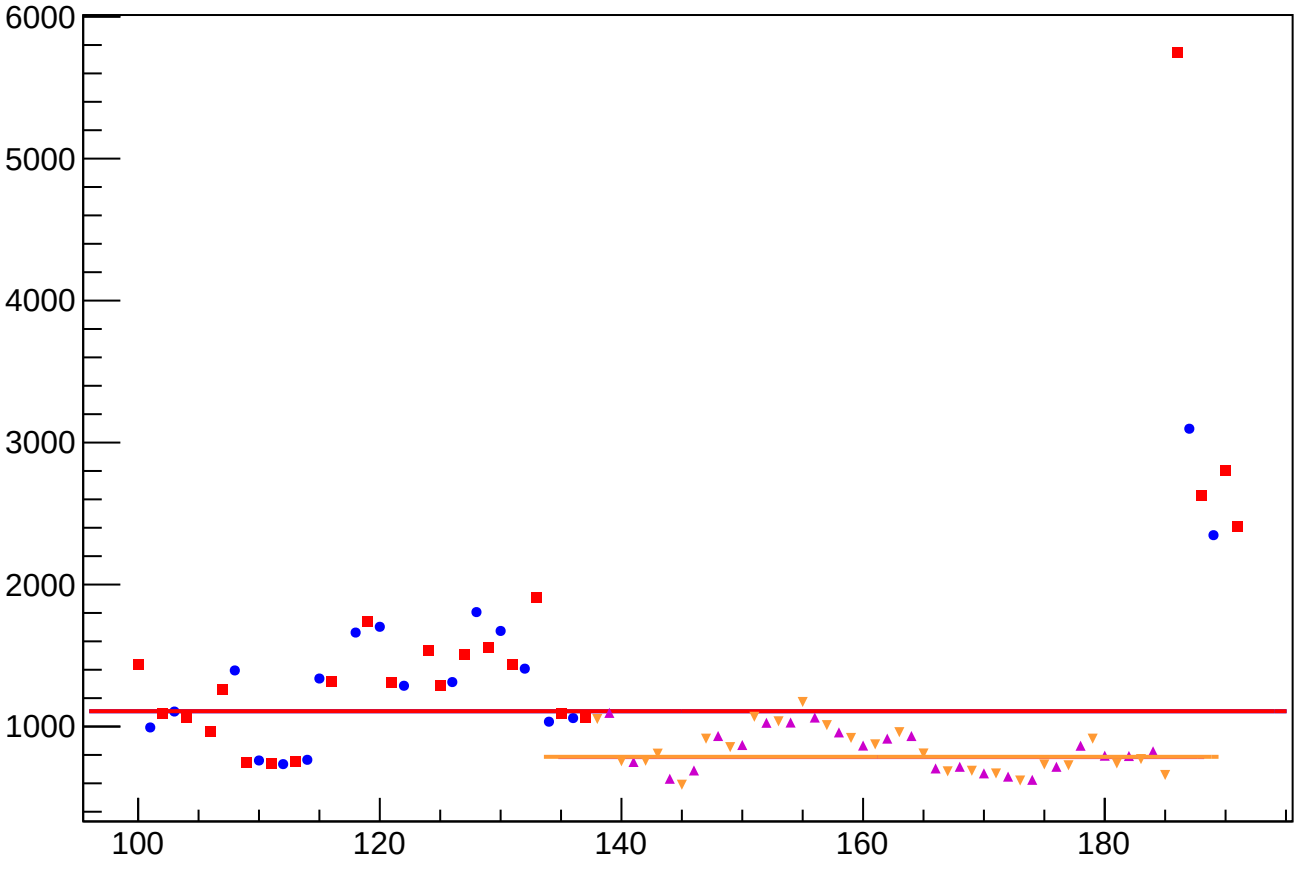
Right Out: -960.321+/-394.225 χ^2/NDF: 18.3/22

Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

+ sign -776.804+/-166.849 χ^2/NDF: 93.3/42

All: -535.544+/-118.608 χ^2/NDF: 143.5/88

- sign -289.076+/-168.641 χ^2/NDF: 46.0/45



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: 1108.049+/-0.279 χ^2/NDF: 2795981.0/22

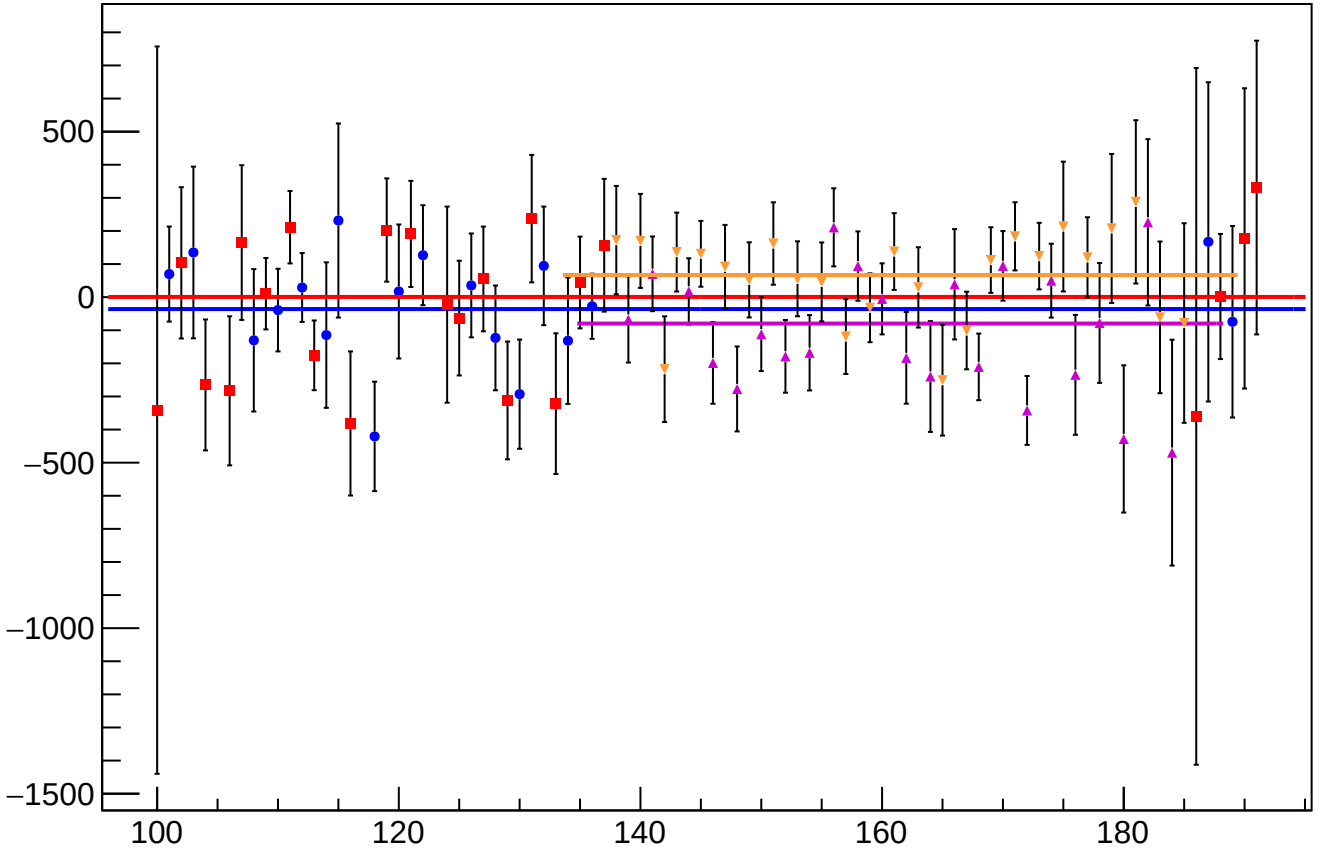
Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

+ sign 838.487+/-0.118 χ^2/NDF: 3717457.8/42

All: 841.204+/-0.084 χ^2/NDF: 8676637.9/88

- sign 843.980+/-0.119 χ^2/NDF: 4958107.8/45

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: 0.708+/-37.129 χ^2/NDF: 25.6/22

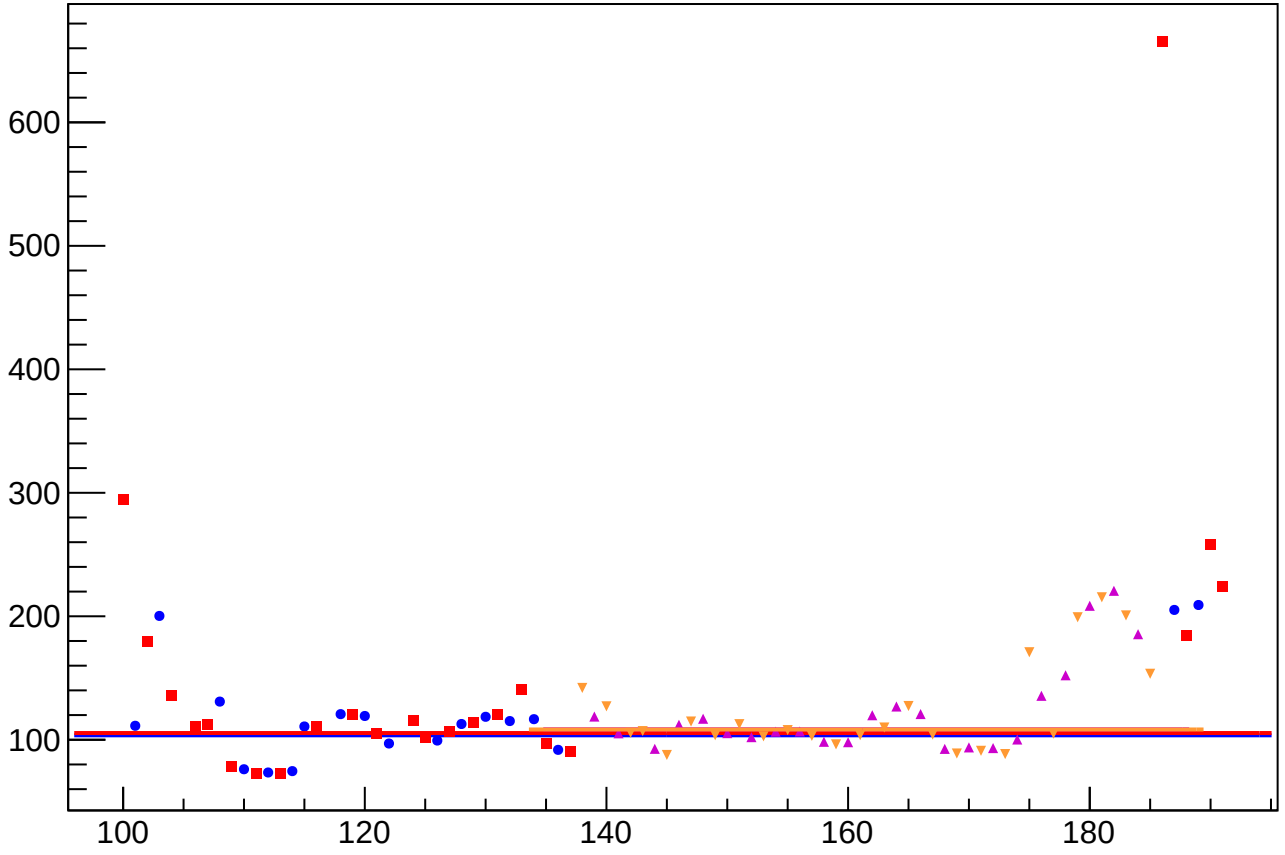
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 35.410+/-21.311 χ^2/NDF: 37.6/42

All: -8.427+/-15.122 χ^2/NDF: 111.8/88

- sign -52.881+/-21.461 χ^2/NDF: 65.6/45

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

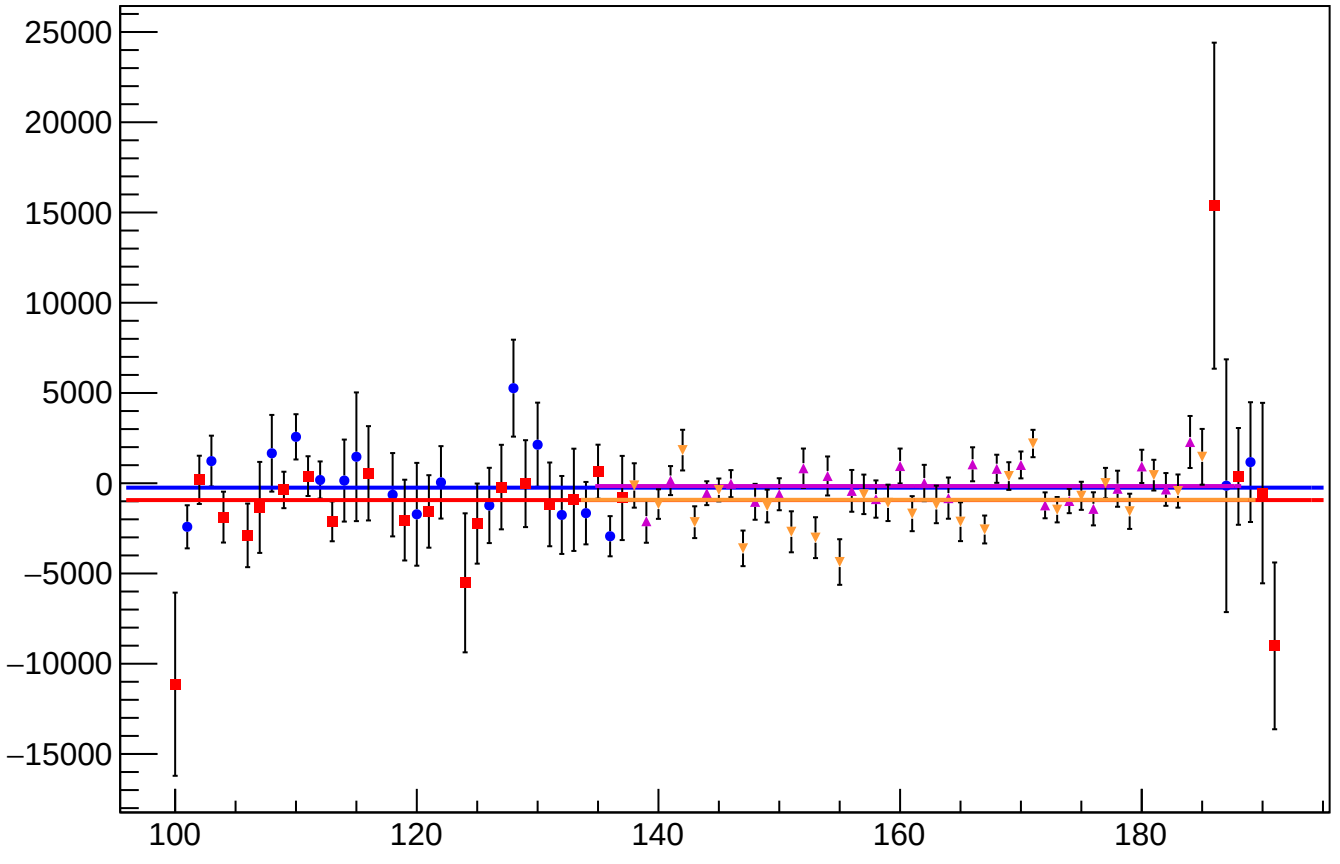
Right Out: 105.458+/-0.026 χ^2/NDF: 2213010.0/22

Left In: 108.492+/-0.019 χ^2/NDF:1379398.3/22

+ sign 106.886+/-0.015 χ^2/NDF: 2875131.5/42

All: 107.180+/-0.011 χ^2/NDF: 6477204.4/88

- sign 107.479+/-0.015 χ^2/NDF: 3601304.8/45



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: -933.642+/-389.026 χ^2/NDF: 19.7/22

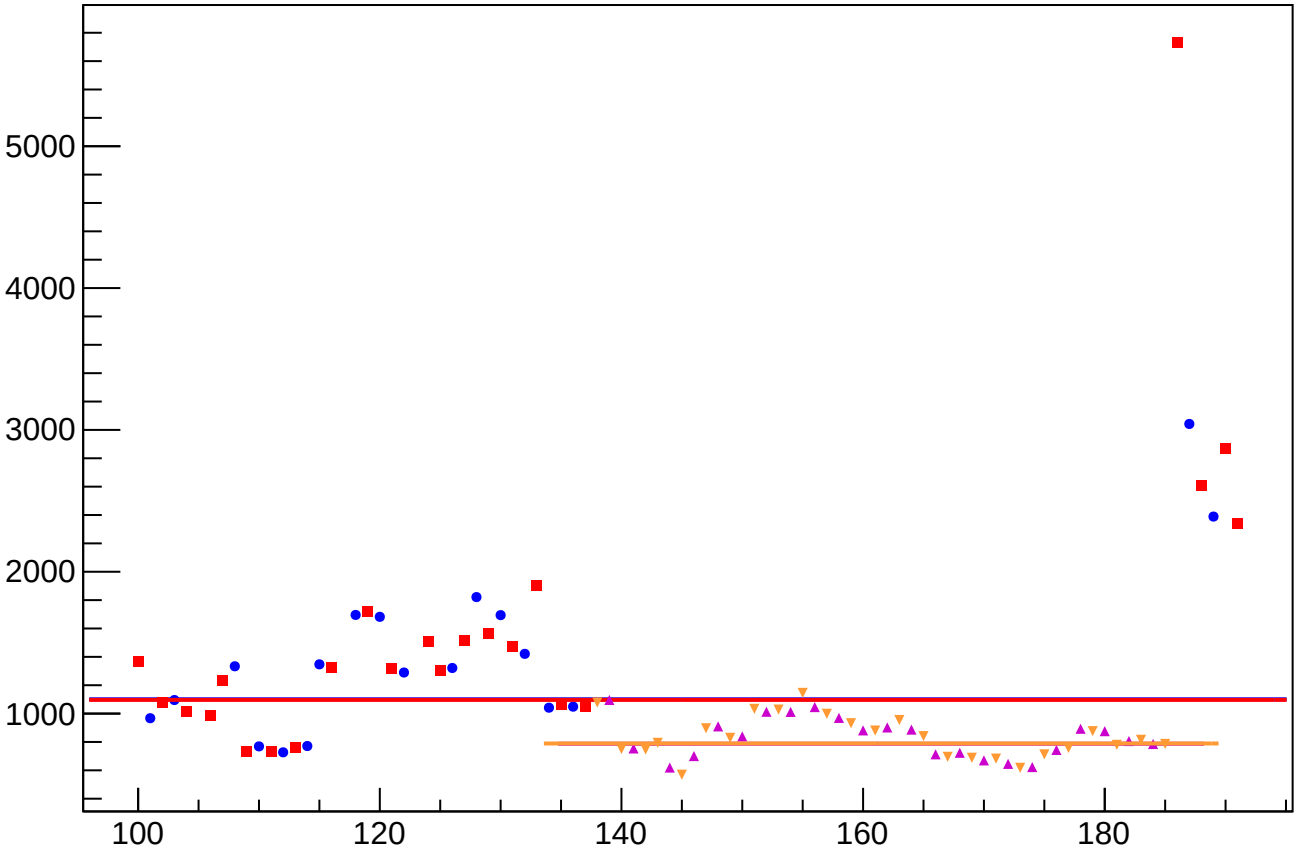
Left In: -155.874+/-187.116 χ^2/NDF:23.1/22

+ sign -808.772+/-166.905 χ^2/NDF: 90.0/42

All: -557.984+/-118.623 χ^2/NDF: 140.6/88

- sign -302.002+/-168.624 χ^2/NDF: 46.0/45

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: 1096.789+/-0.275 χ^2/NDF: 2838871.7/22

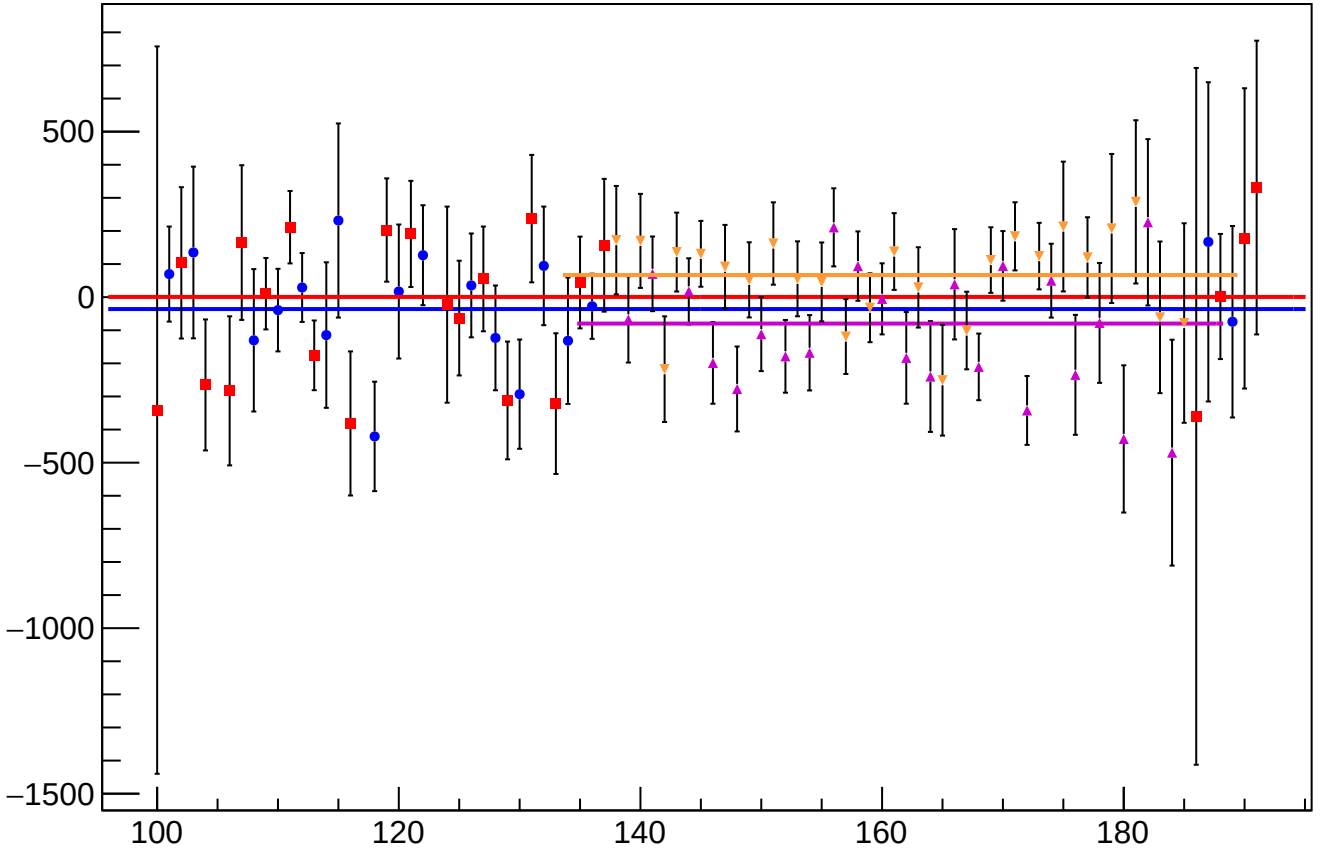
Left In: 787.390+/-0.132 χ^2/NDF:1041390.9/22

+ sign 840.093+/-0.118 χ^2/NDF: 3668816.3/42

All: 842.779+/-0.084 χ^2/NDF: 8577509.0/88

- sign 845.520+/-0.119 χ^2/NDF: 4907646.1/45

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: 0.709+/-37.129 χ^2/NDF: 25.6/22

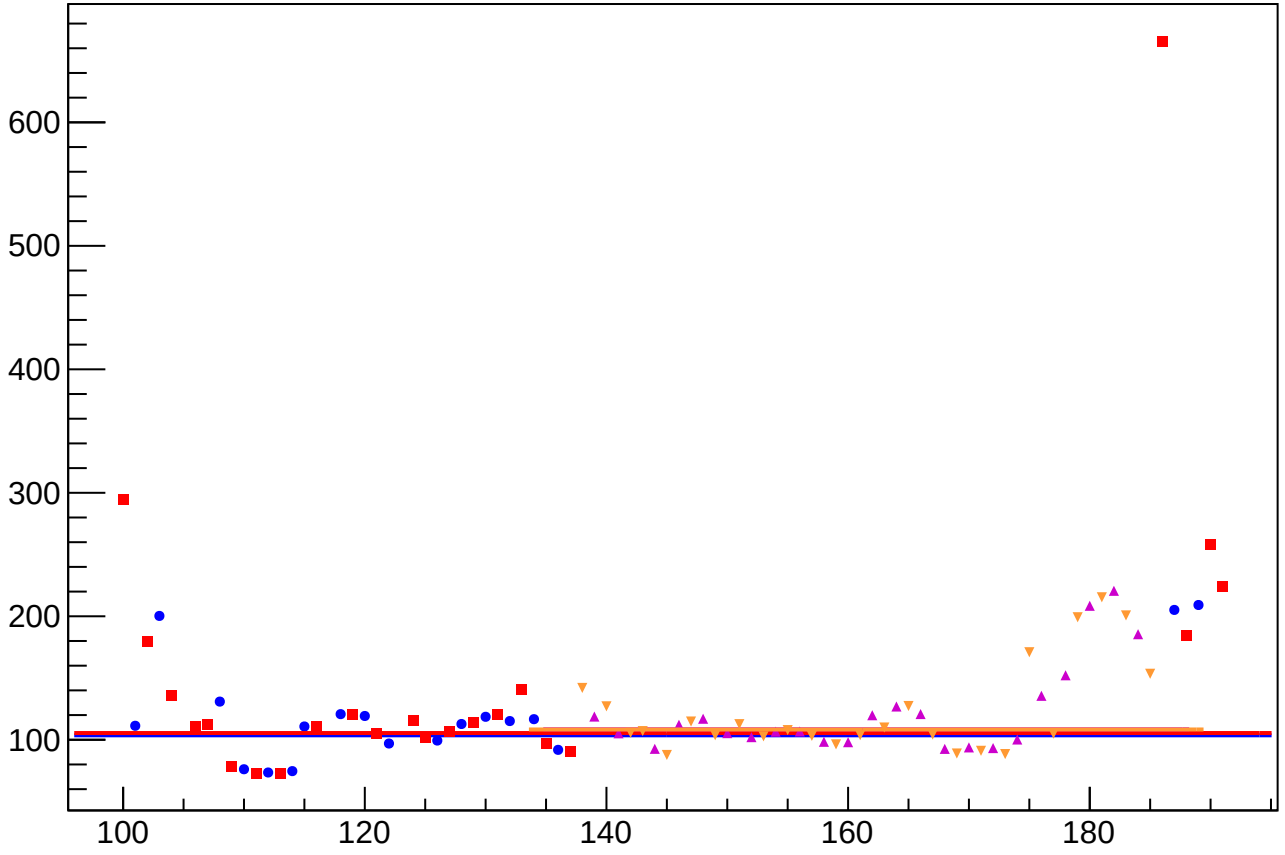
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 35.411+/-21.311 χ^2/NDF: 37.6/42

All: -8.426+/-15.122 χ^2/NDF: 111.8/88

- sign -52.880+/-21.461 χ^2/NDF: 65.6/45

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

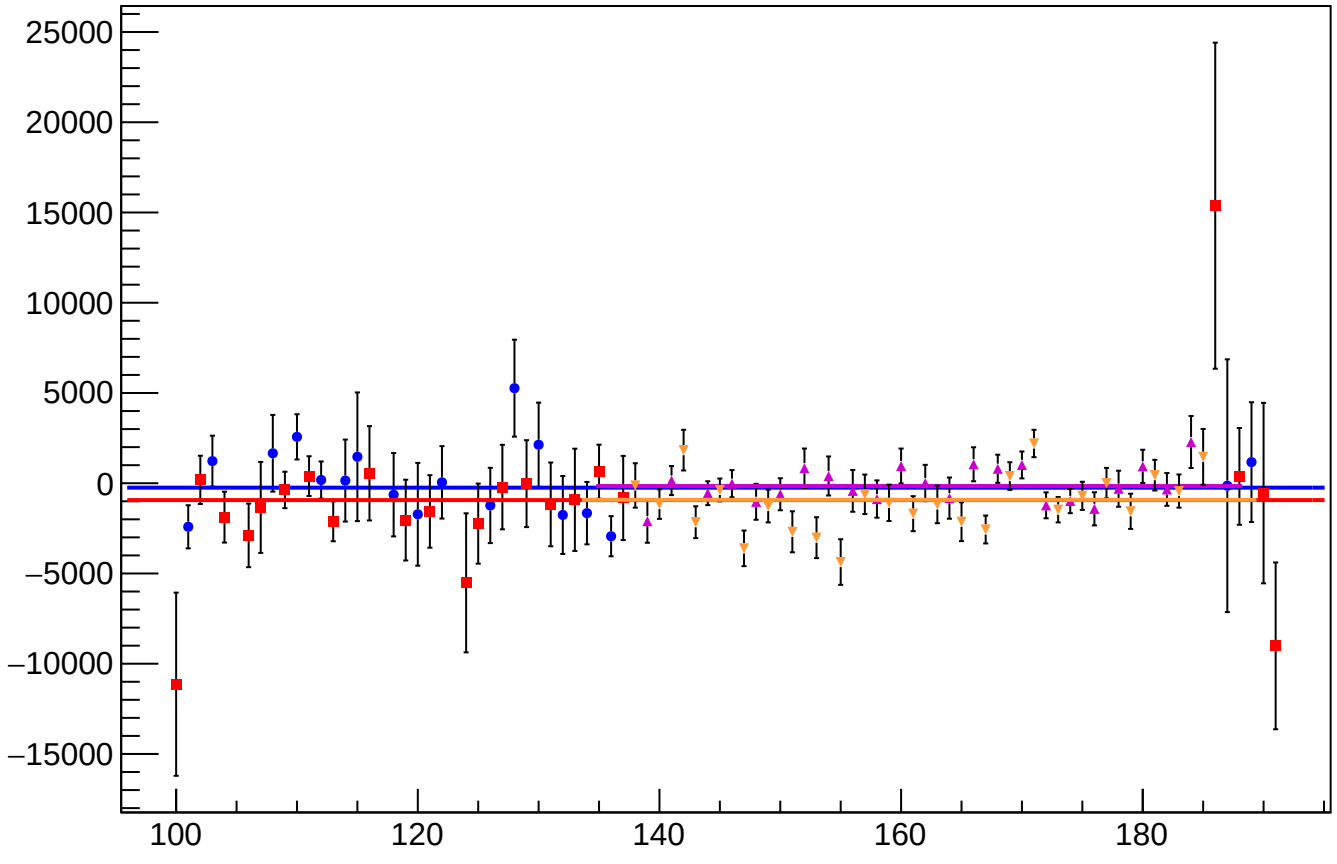
Right Out: 105.458+/-0.026 χ^2/NDF: 2213017.0/22

Left In: 108.493+/-0.019 χ^2/NDF:1379379.3/22

+ sign 106.886+/-0.015 χ^2/NDF: 2875125.6/42

All: 107.180+/-0.011 χ^2/NDF: 6477187.5/88

- sign 107.479+/-0.015 χ^2/NDF: 3601293.7/45



Right In: -245.151+/-413.085 χ^2/NDF: 23.6/17

Left Out: -918.734+/-182.461 χ^2/NDF:64.1/24

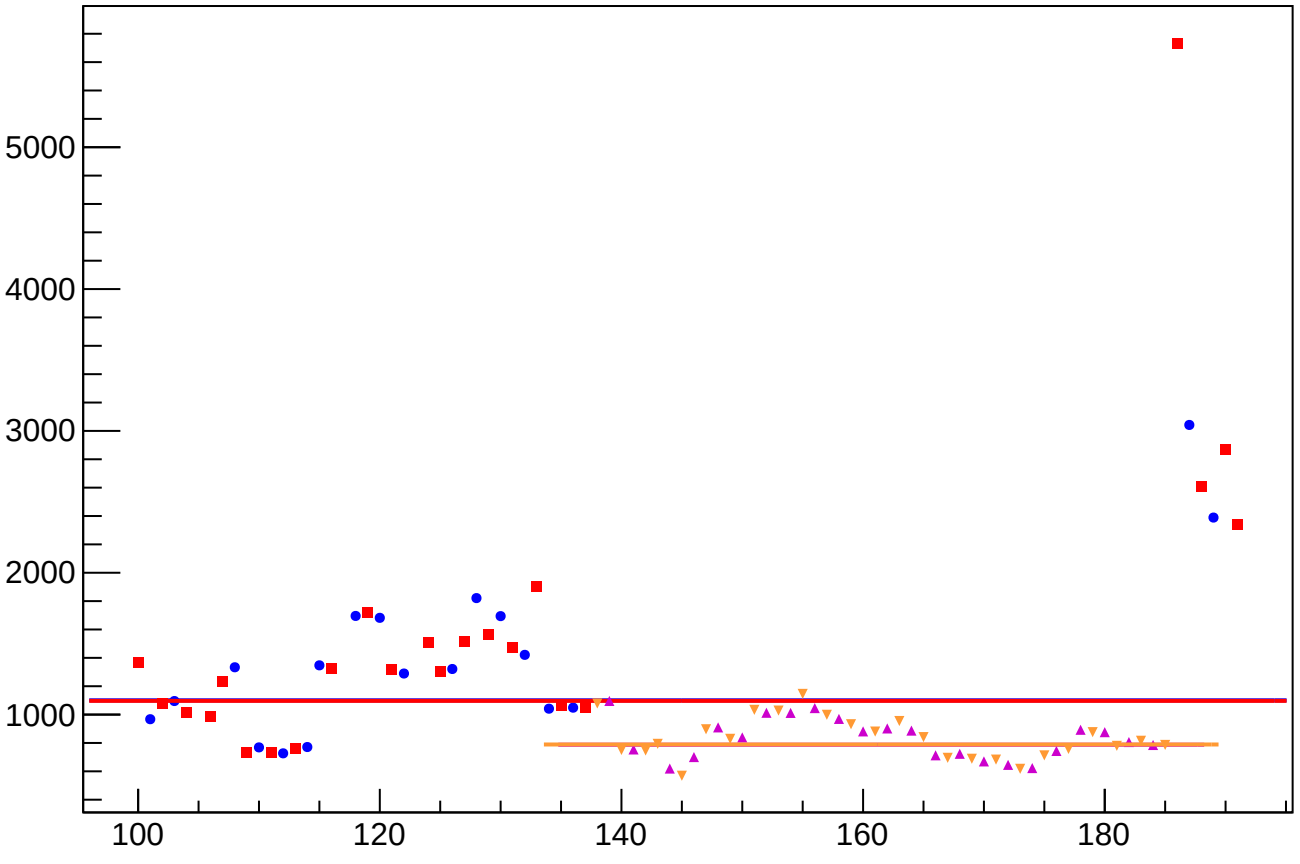
Right Out: -933.641+/-389.025 χ^2/NDF: 19.7/22

Left In: -155.873+/-187.115 χ^2/NDF:23.1/22

+ sign -808.771+/-166.904 χ^2/NDF: 90.0/42

All: -557.983+/-118.623 χ^2/NDF: 140.6/88

- sign -302.001+/-168.624 χ^2/NDF: 46.0/45



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: 1096.788+/-0.275 χ^2/NDF: 2838874.3/22

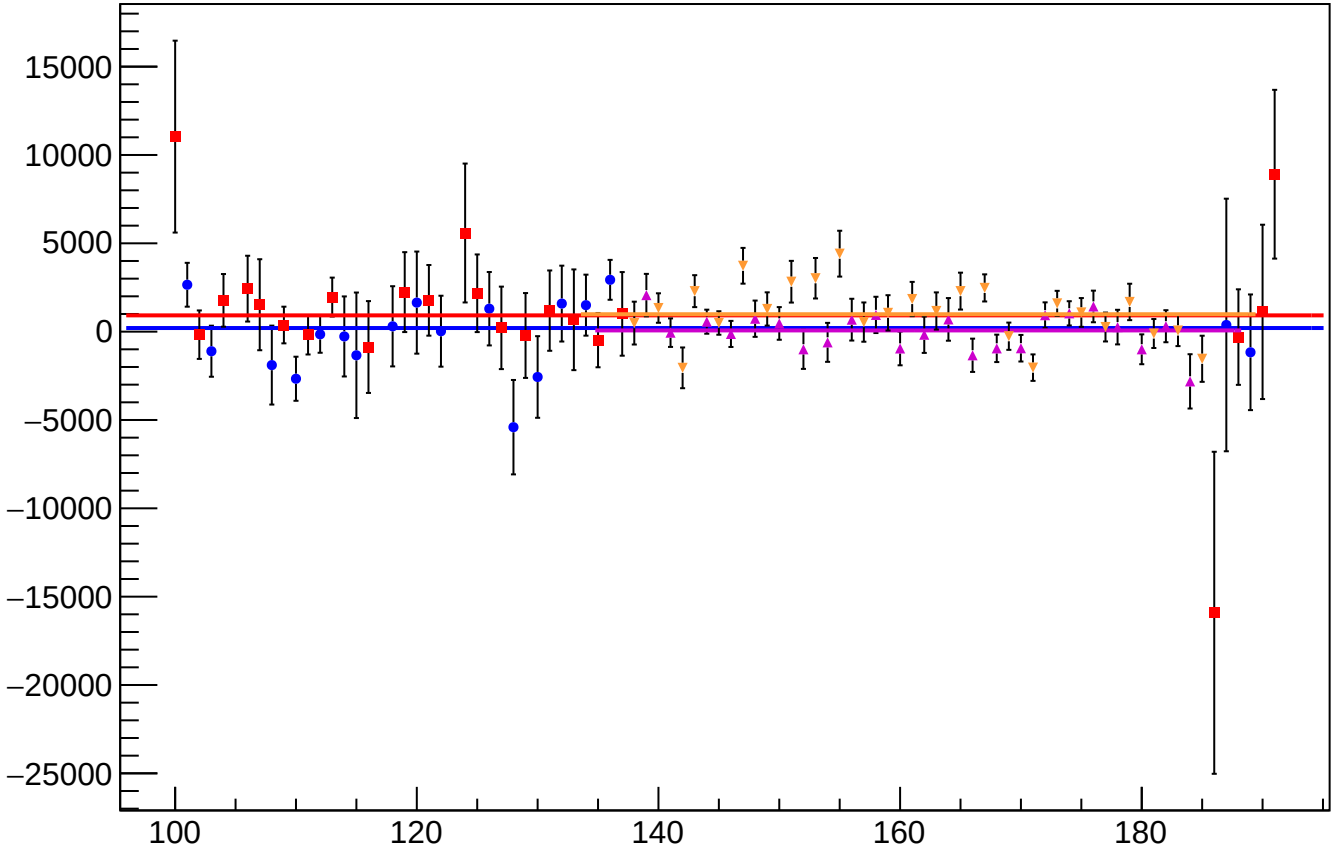
Left In: 787.388+/-0.132 χ^2/NDF:1041391.2/22

+ sign 840.091+/-0.118 χ^2/NDF: 3668824.6/42

All: 842.777+/-0.084 χ^2/NDF: 8577520.8/88

- sign 845.519+/-0.119 χ^2/NDF: 4907649.7/45

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: 921.617+/-395.658 χ^2/NDF: 17.6/22

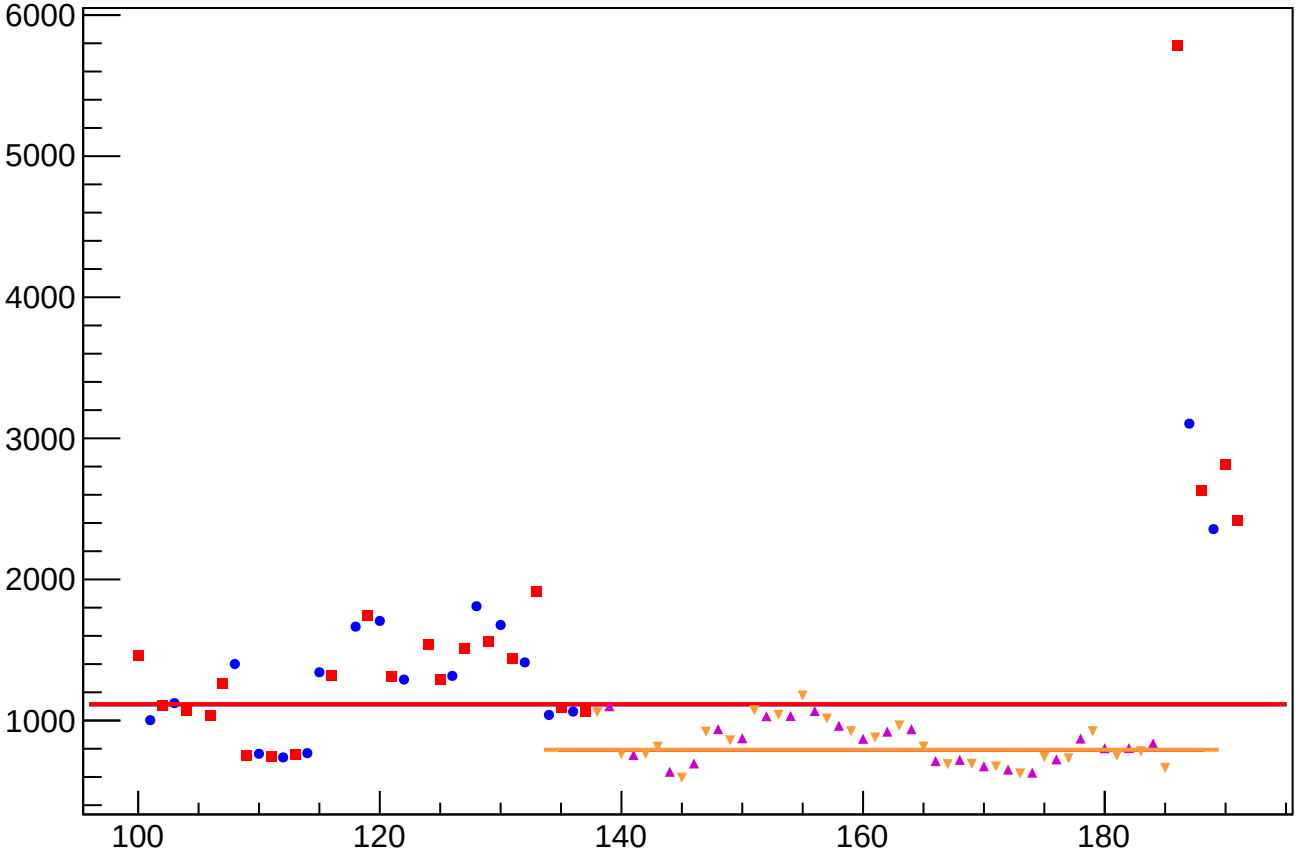
Left In: 70.089+/-188.036 χ^2/NDF:24.4/22

+ sign 859.281+/-168.078 χ^2/NDF: 91.3/42

All: 546.412+/-119.464 χ^2/NDF: 144.1/88

- sign 226.980+/-169.832 χ^2/NDF: 45.8/45

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

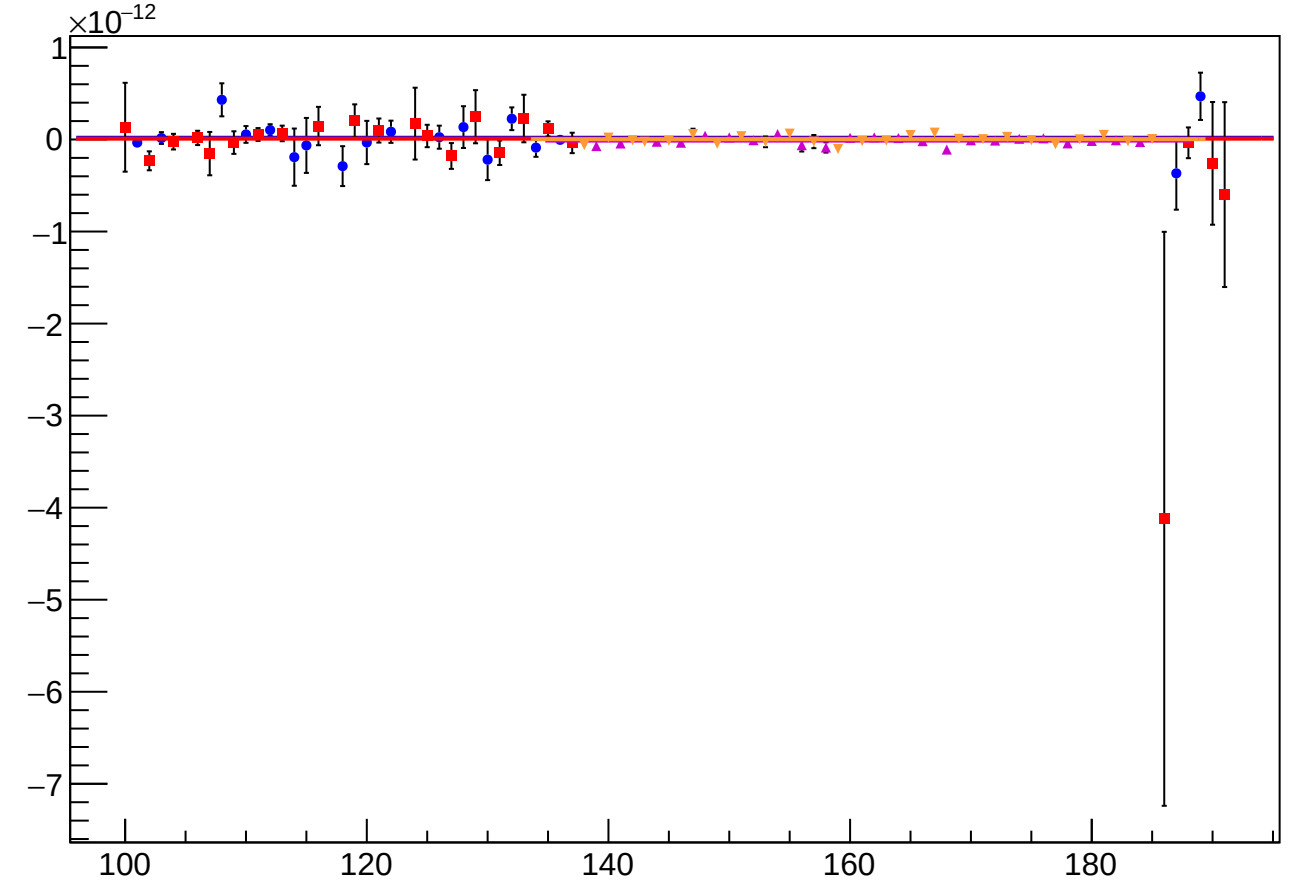
Right Out: 1116.236+/-0.280 χ^2/NDF: 2781668.6/22

Left In: 791.155+/-0.133 χ^2/NDF:1049107.7/22

+ sign 844.980+/-0.119 χ^2/NDF: 3681349.5/42

All: 847.984+/-0.084 χ^2/NDF: 8614779.6/88

- sign 851.050+/-0.120 χ^2/NDF: 4932139.3/45



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:34.0/24

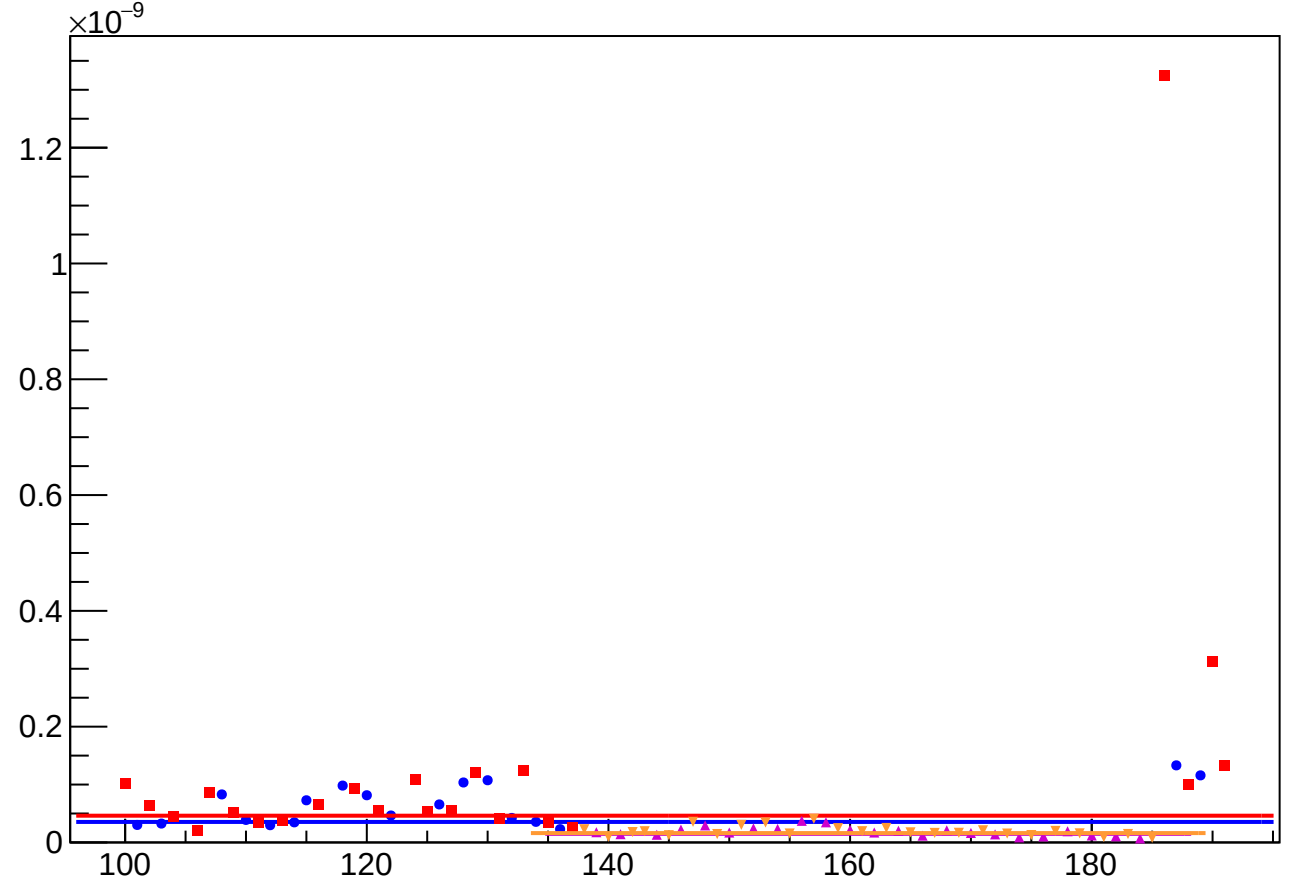
Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/22

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: 102.7/88

- sign -0.000+/-0.000 χ^2/NDF: 44.1/45



Right In: 0.000+/-0.000 χ^2/NDF: 1510668.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:1725685.8/24

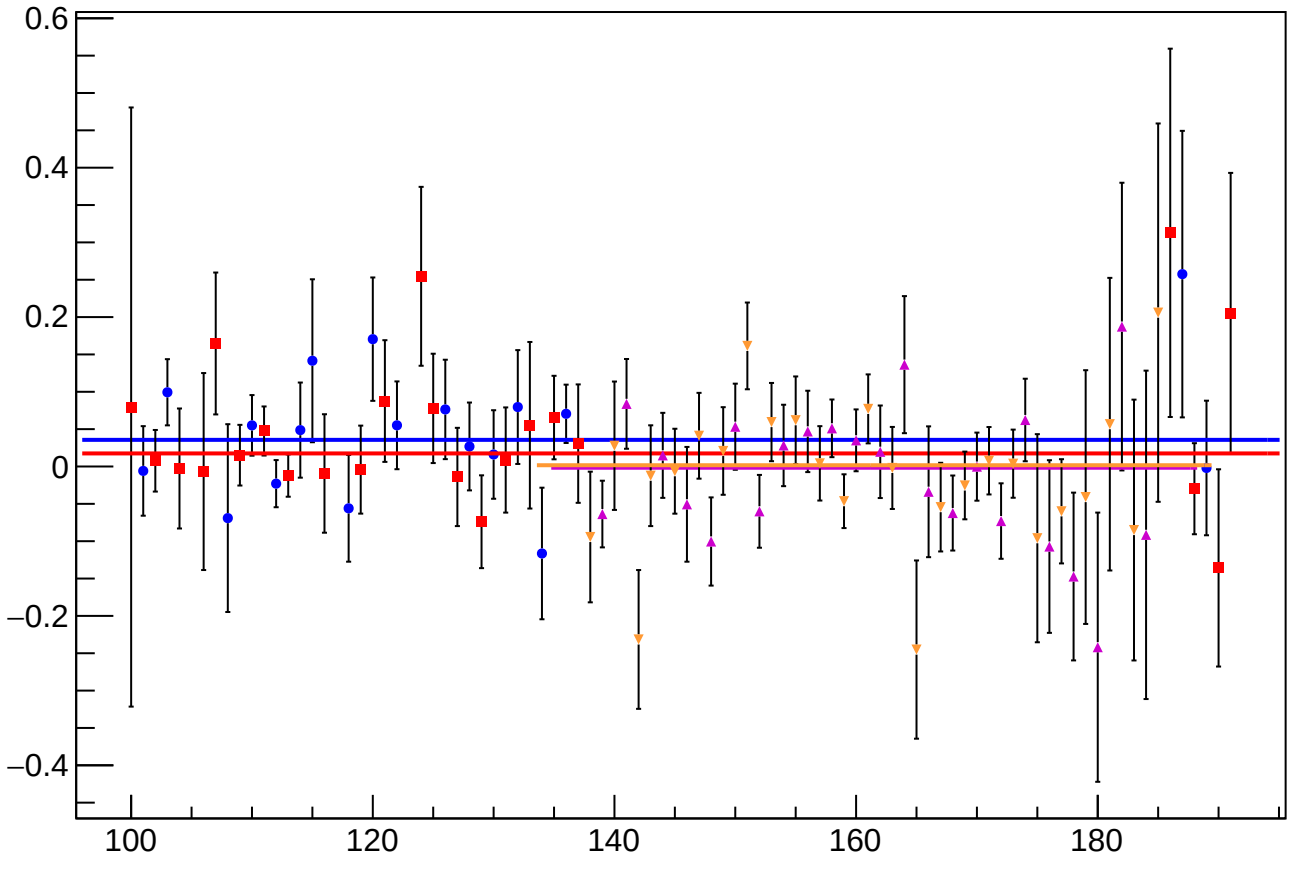
Right Out: 0.000+/-0.000 χ^2/NDF: 1963580.8/22

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: 10982503.0/88

- sign 0.000+/-0.000 χ^2/NDF: 6266089.1/45



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: 0.017+/-0.013 χ^2/NDF: 17.8/22

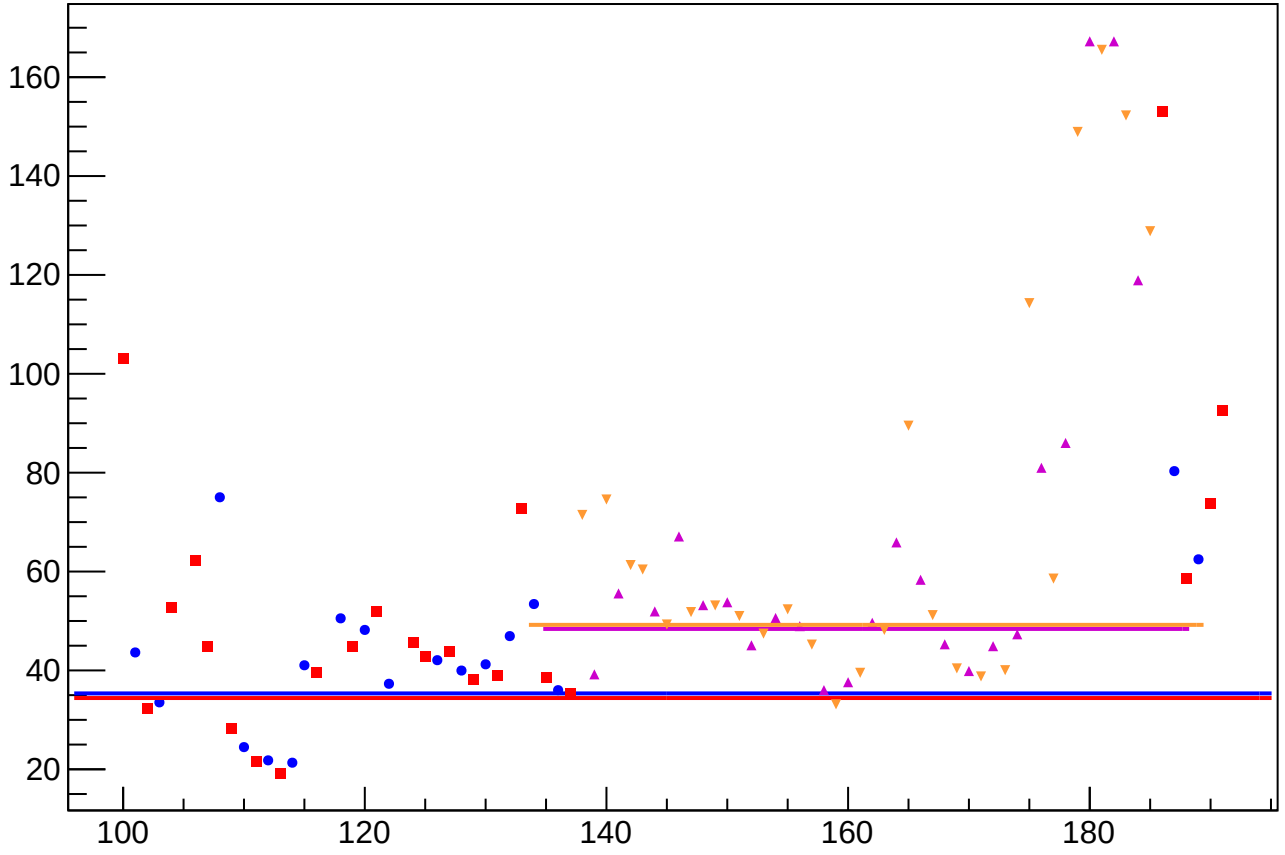
Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.017+/-0.009 χ^2/NDF: 52.3/42

All: 0.012+/-0.006 χ^2/NDF: 97.8/88

- sign 0.008+/-0.009 χ^2/NDF: 45.0/45

asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug



Right In: 35.349+/-0.010 χ^2/NDF: 1470531.0/17

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

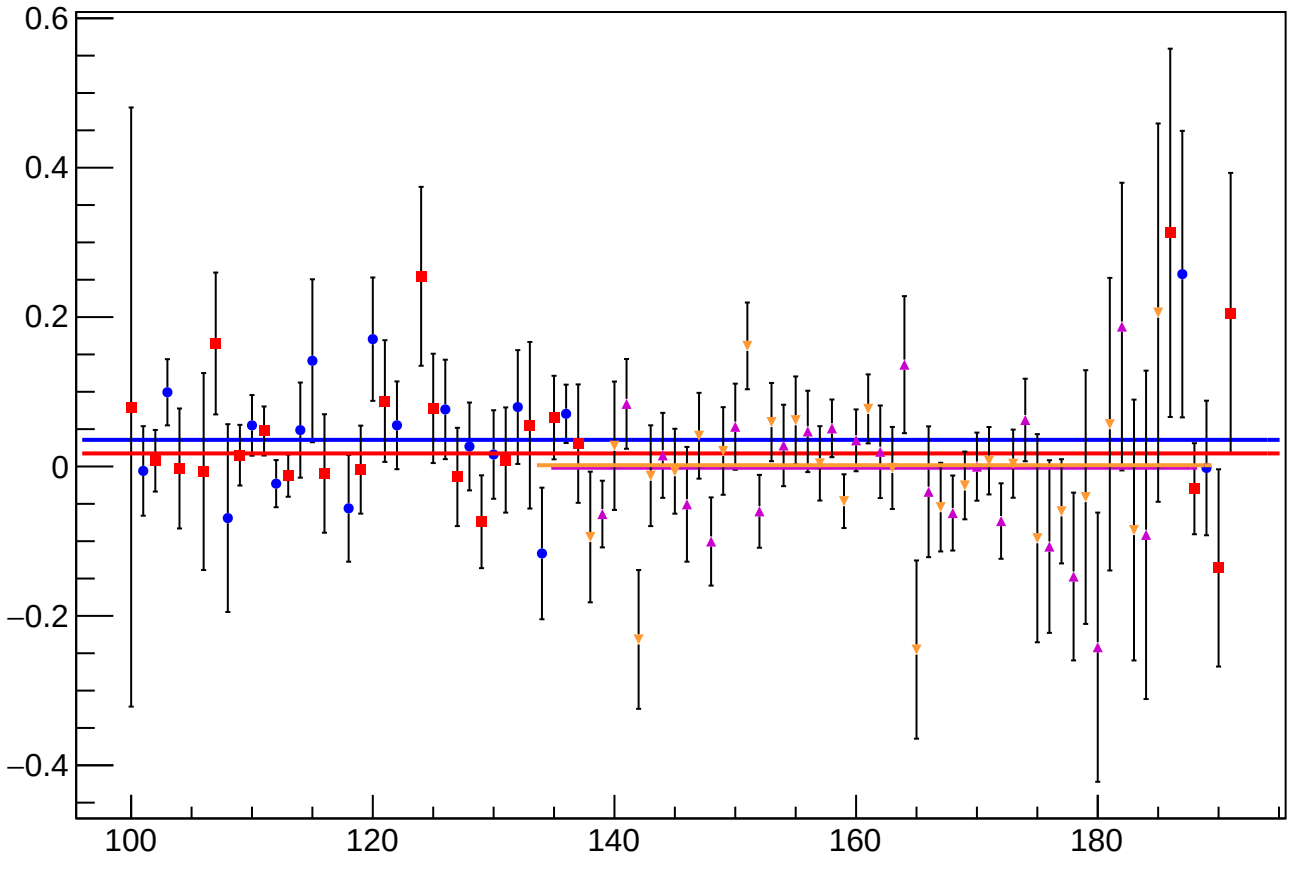
Right Out: 34.415+/-0.009 χ^2/NDF: 2872713.6/22

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

+ sign 43.025+/-0.006 χ^2/NDF: 6777579.3/42

All: 42.290+/-0.005 χ^2/NDF: 13949348.6/88

- sign 41.600+/-0.006 χ^2/NDF: 7146738.4/45



Right In: 0.036+/-0.014 χ^2/NDF: 18.5/17

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

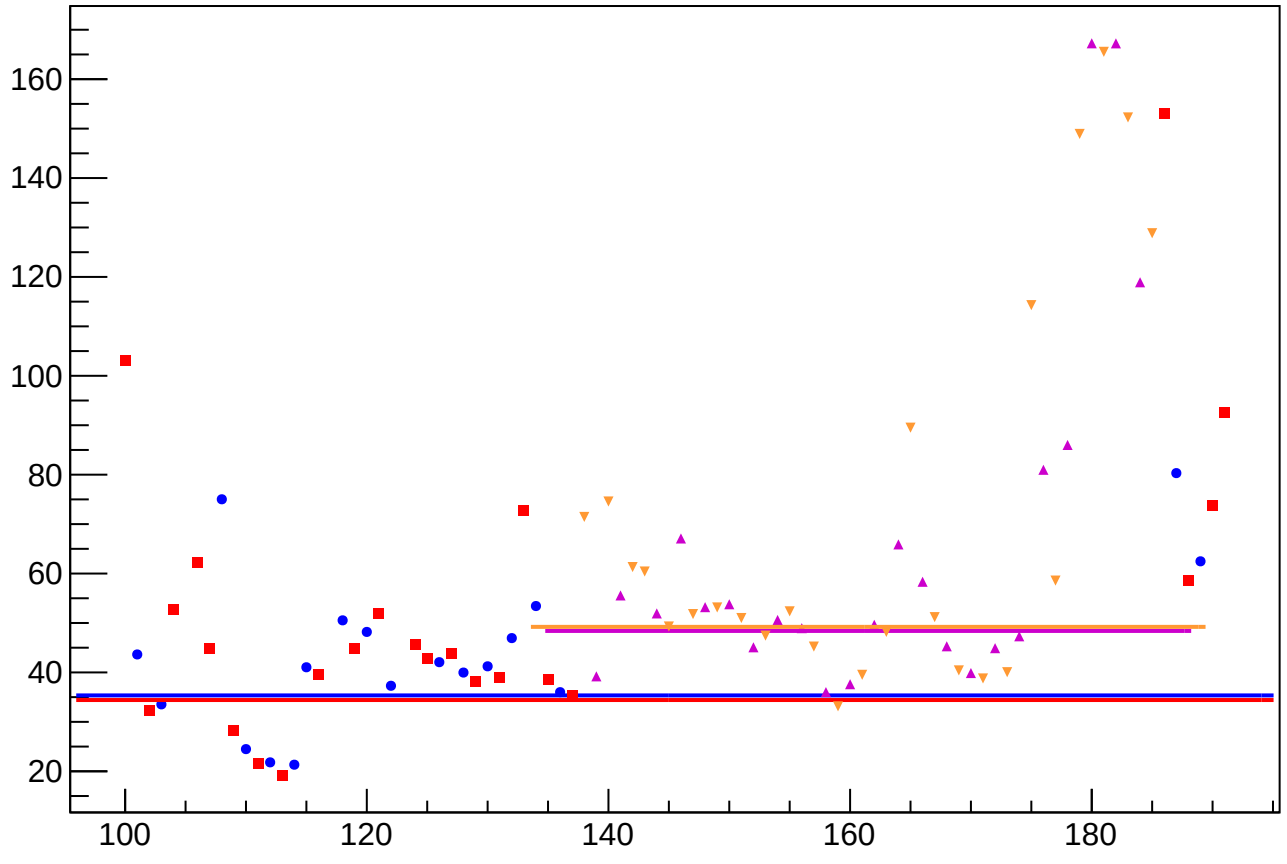
Right Out: 0.017+/-0.013 χ^2/NDF: 17.8/22

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: 97.8/88

- sign 0.008+/-0.009 χ^2/NDF: 45.0/45



Right In: 35.349+/-0.010 χ^2/NDF: 1470531.0/17

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

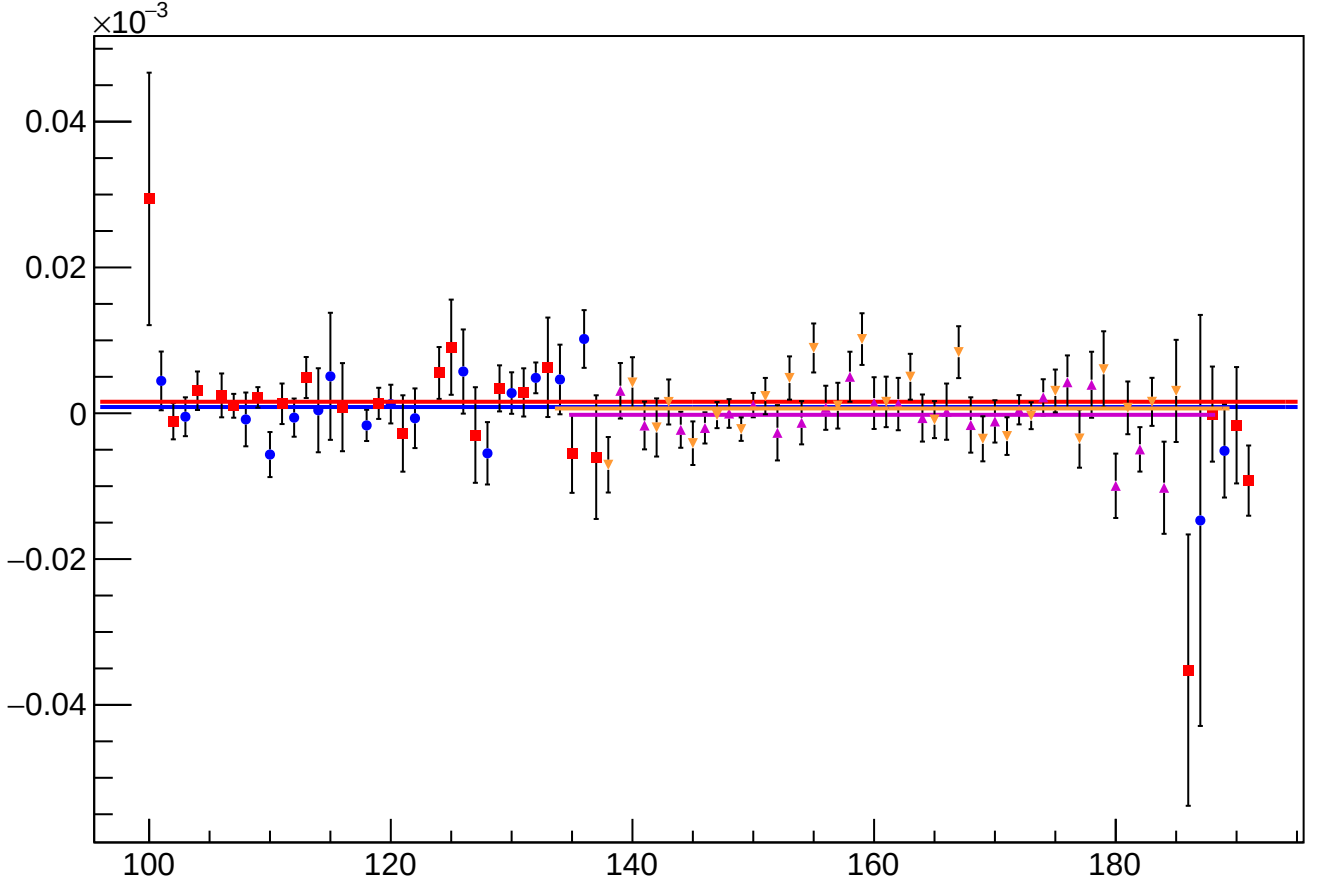
Right Out: 34.415+/-0.009 χ^2/NDF: 2872713.6/22

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

+ sign 43.025+/-0.006 χ^2/NDF: 6777579.3/42

All: 42.290+/-0.005 χ^2/NDF: 13949348.6/88

- sign 41.600+/-0.006 χ^2/NDF: 7146738.4/45



Right In: 0.000+/-0.000 χ^2/NDF: 22.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:41.7/24

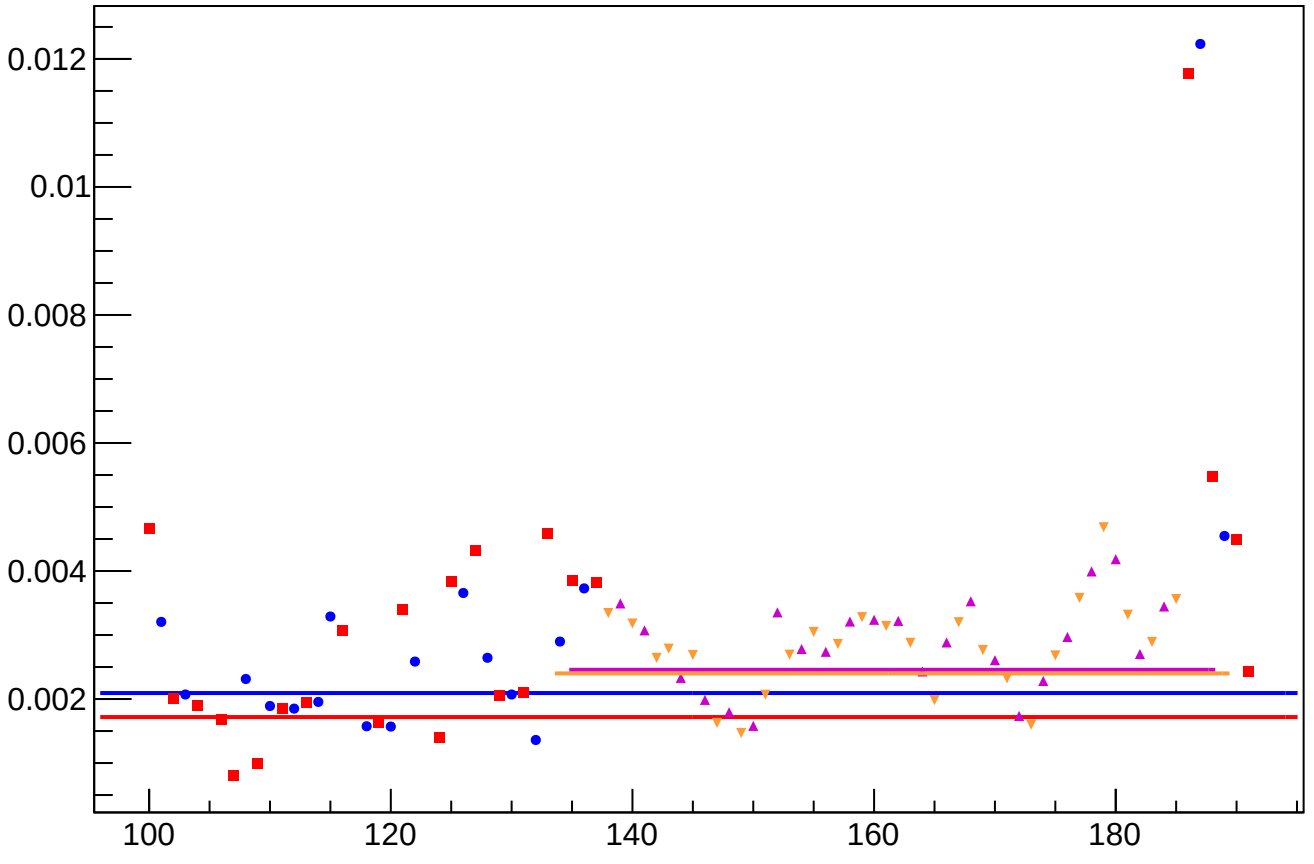
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/22

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: 109.9/88

- sign 0.000+/-0.000 χ^2/NDF: 46.1/45



Right In: 0.002+/-0.000 χ^2/NDF: 1820006.3/17

Left Out: 0.002+/-0.000 χ^2/NDF:3123870.1/24

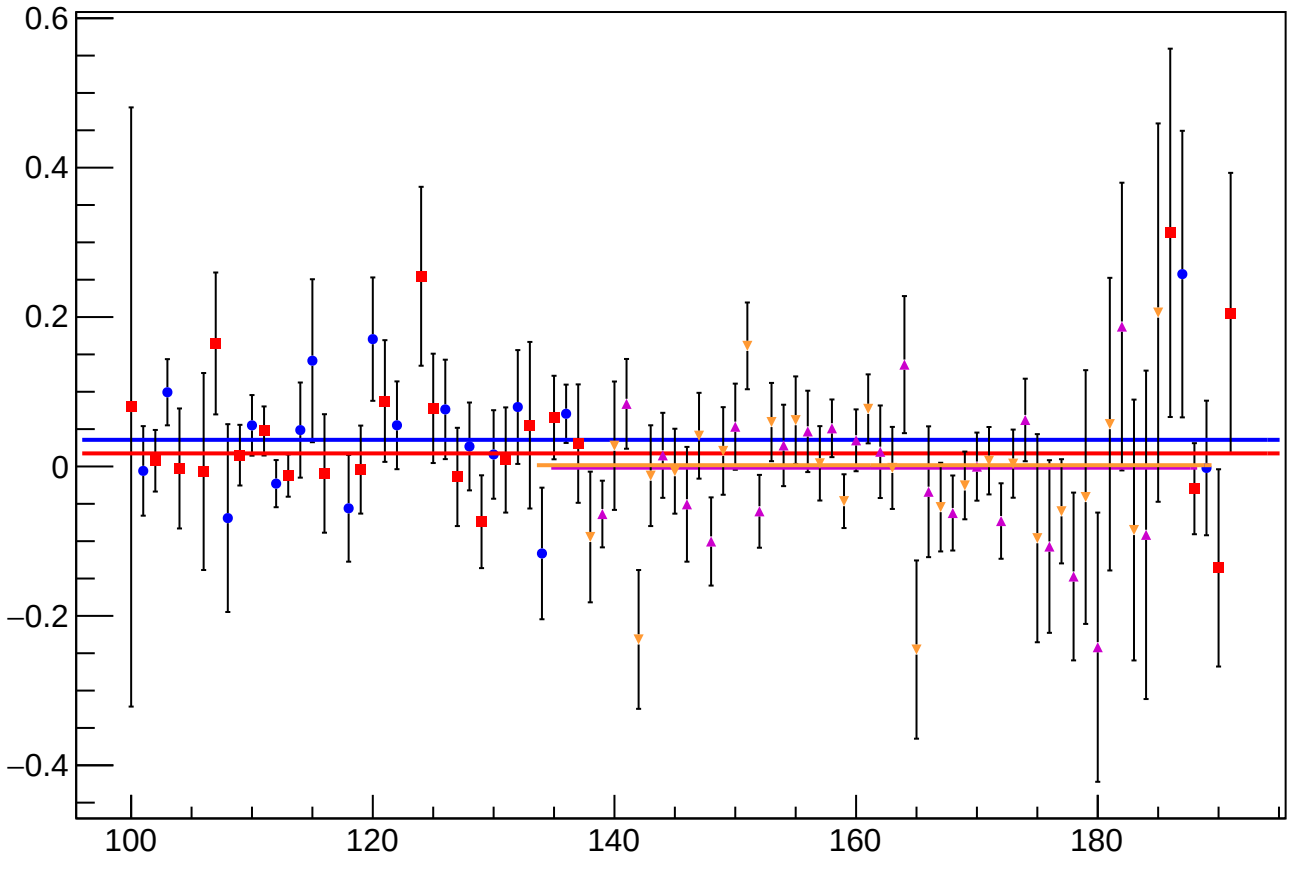
Right Out: 0.002+/-0.000 χ^2/NDF: 4493027.8/22

Left In: 0.002+/-0.000 χ^2/NDF:2629718.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 5137292.6/42

All: 0.002+/-0.000 χ^2/NDF: 13781153.4/88

- sign 0.002+/-0.000 χ^2/NDF: 8494563.5/45



Right In: 0.036+/-0.014 χ^2/NDF: 18.5/17

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

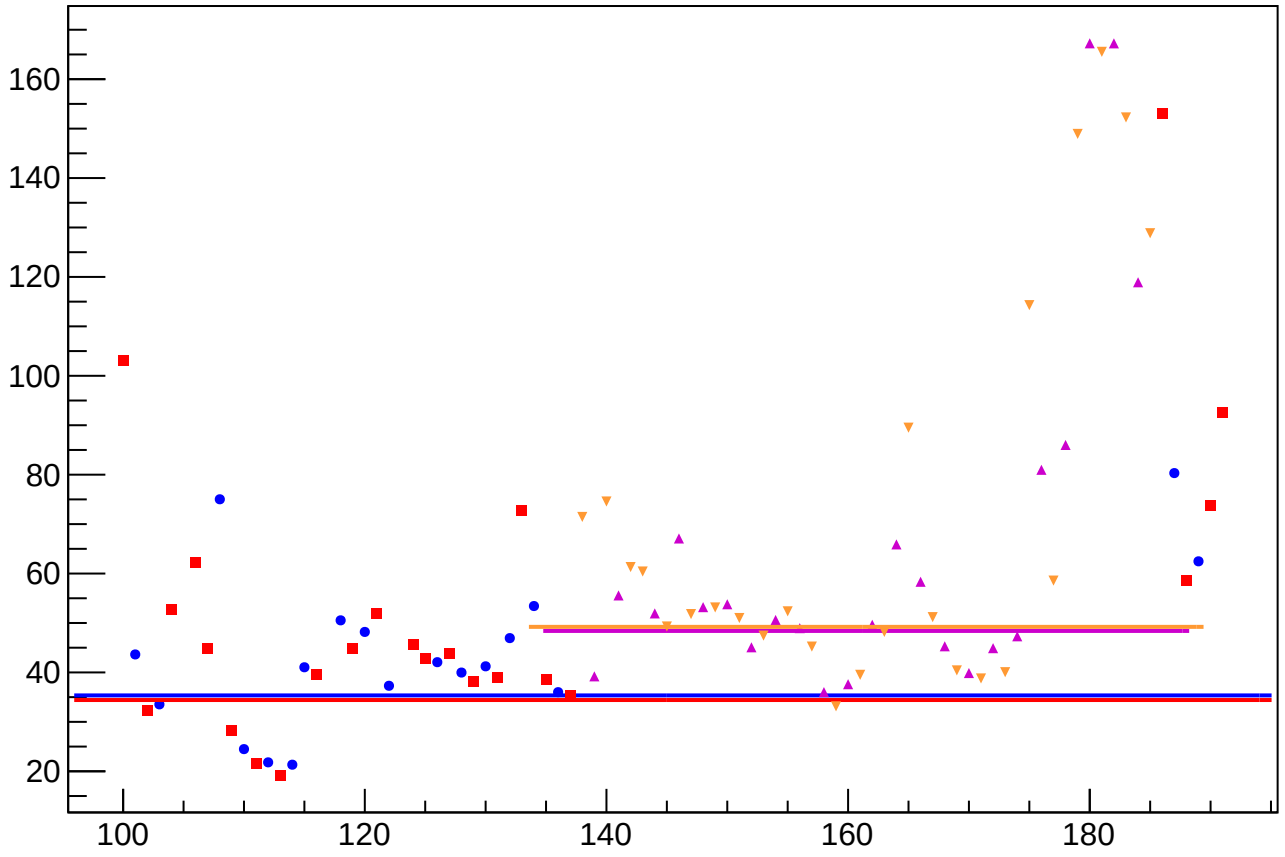
Right Out: 0.017+/-0.013 χ^2/NDF: 17.8/22

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: 97.8/88

- sign 0.008+/-0.009 χ^2/NDF: 45.0/45



Right In: 35.349+/-0.010 χ^2/NDF: 1470475.8/17

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

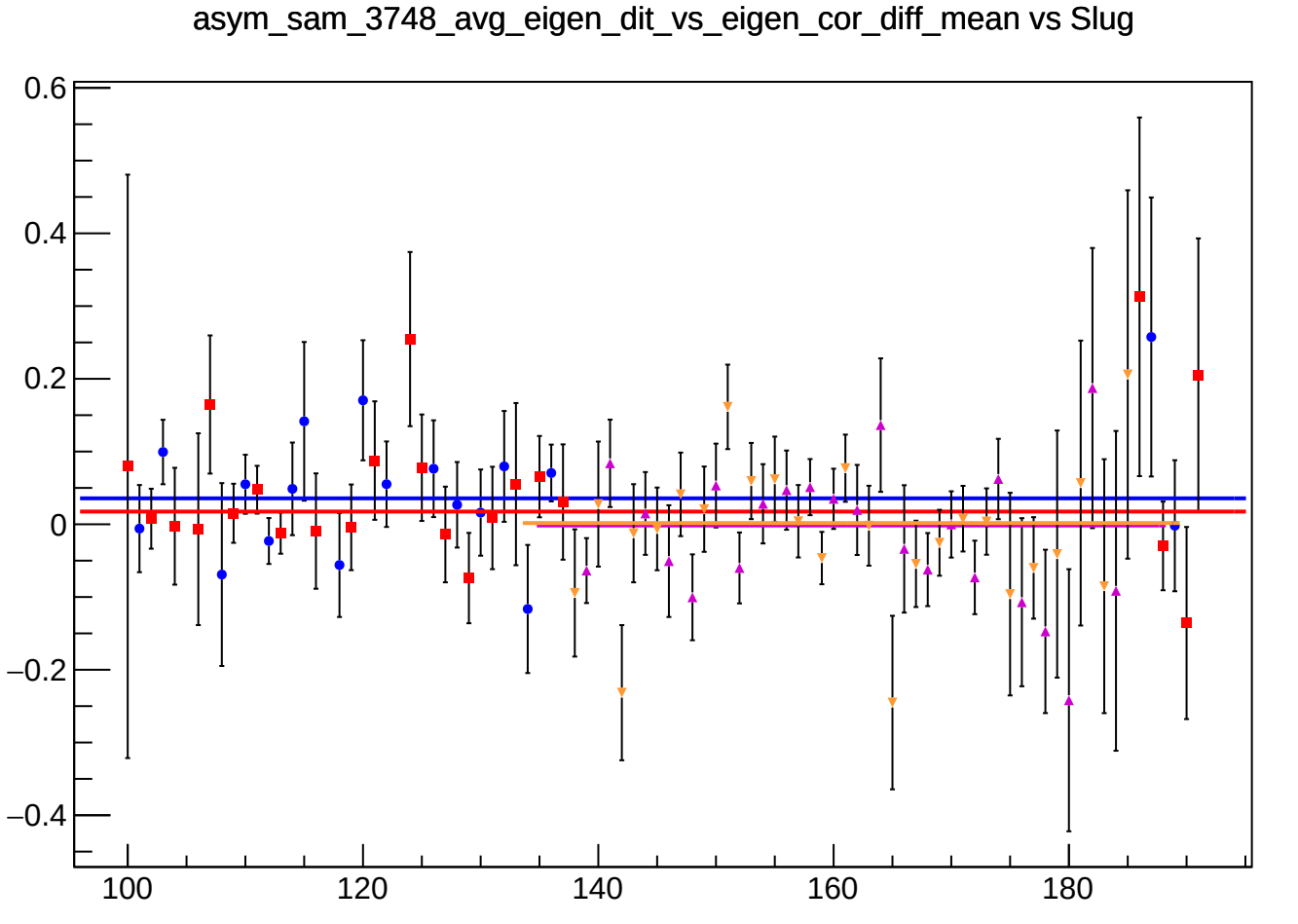
Right Out: 34.416+/-0.009 χ^2/NDF: 2872704.0/22

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 43.026+/-0.006 χ^2/NDF: 6777513.9/42

All: 42.291+/-0.005 χ^2/NDF: 13949237.4/88

- sign 41.600+/-0.006 χ^2/NDF: 7146694.4/45



Right In: 0.036+/-0.014 χ^2/NDF: 18.5/17

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

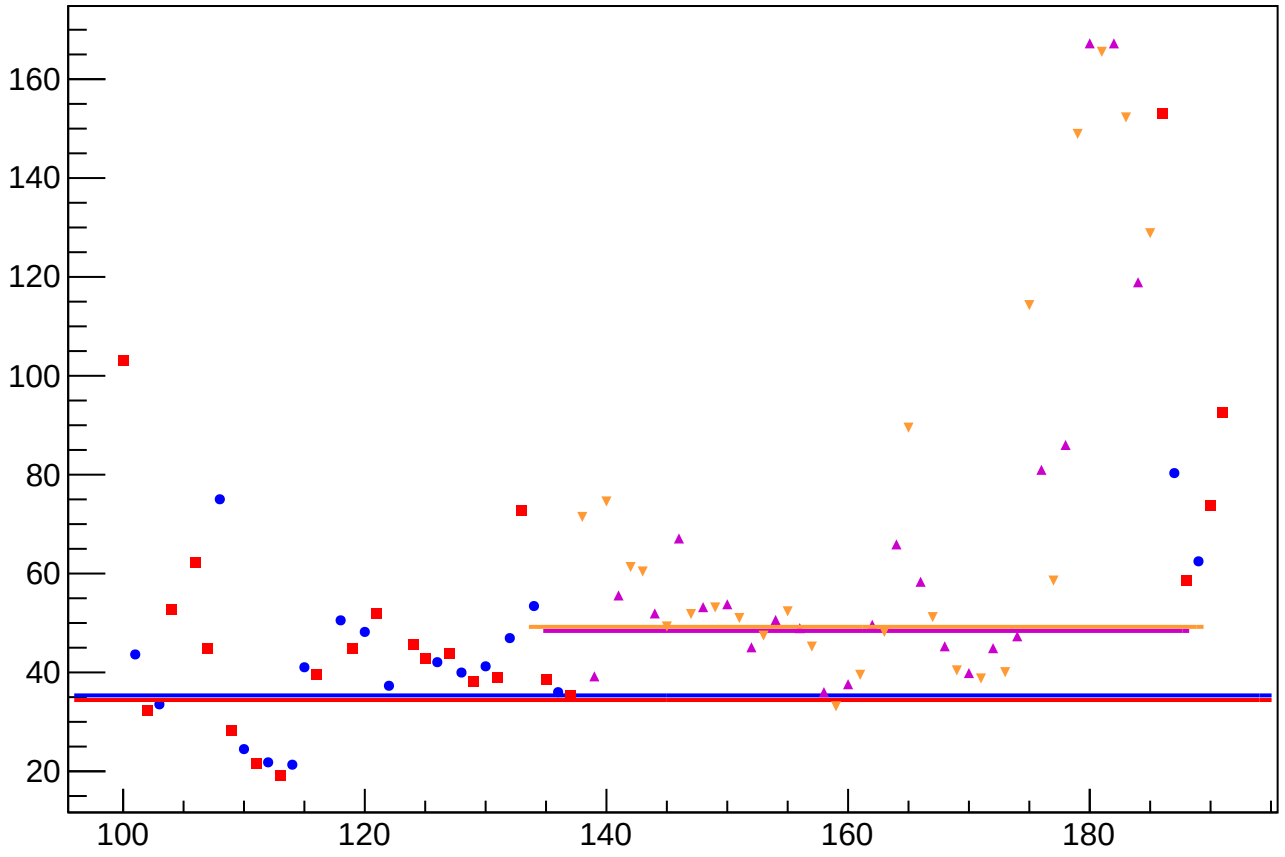
Right Out: 0.017+/-0.013 χ^2/NDF: 17.8/22

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: 97.8/88

- sign 0.008+/-0.009 χ^2/NDF: 45.0/45



Right In: 35.349+/-0.010 χ^2/NDF: 1470475.8/17

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

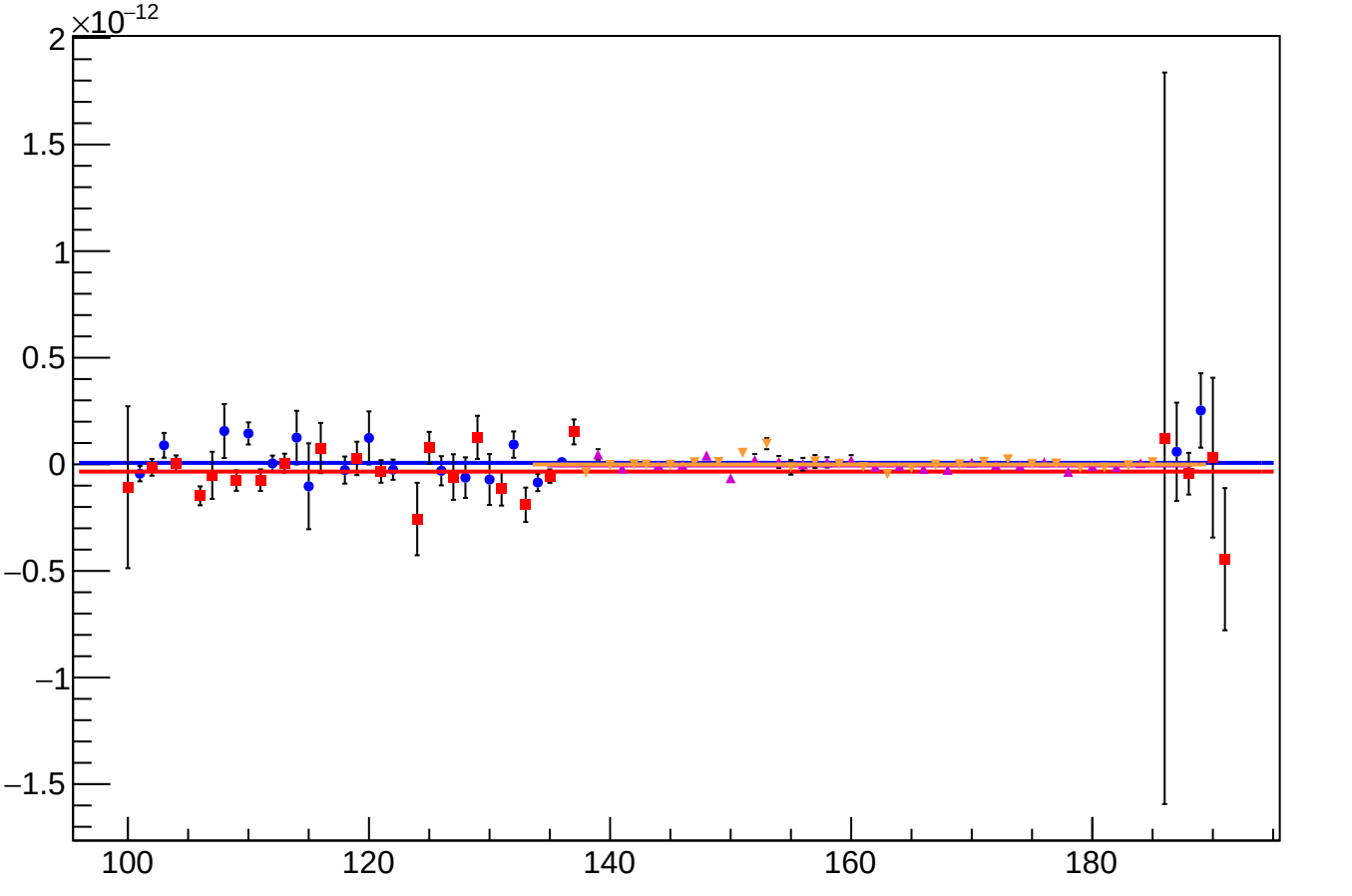
Right Out: 34.416+/-0.009 χ^2/NDF: 2872704.0/22

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 43.026+/-0.006 χ^2/NDF: 6777513.9/42

All: 42.291+/-0.005 χ^2/NDF: 13949237.4/88

- sign 41.600+/-0.006 χ^2/NDF: 7146694.4/45



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:37.0/24

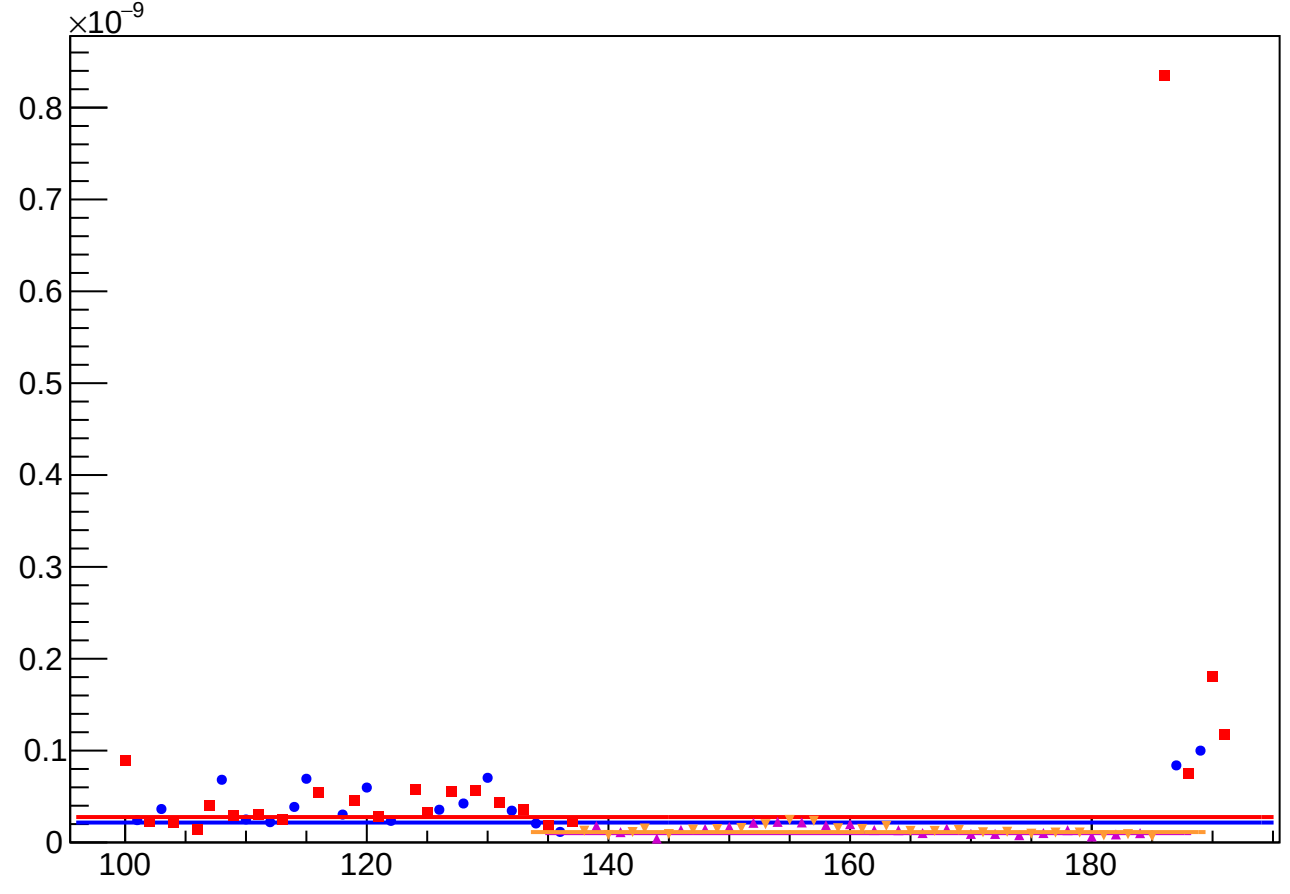
Right Out: -0.000+/-0.000 χ^2/NDF: 35.1/22

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: 133.5/88

- sign -0.000+/-0.000 χ^2/NDF: 68.1/45



Right In: 0.000+/-0.000 χ^2/NDF: 2633976.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:2206266.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2620160.0/22

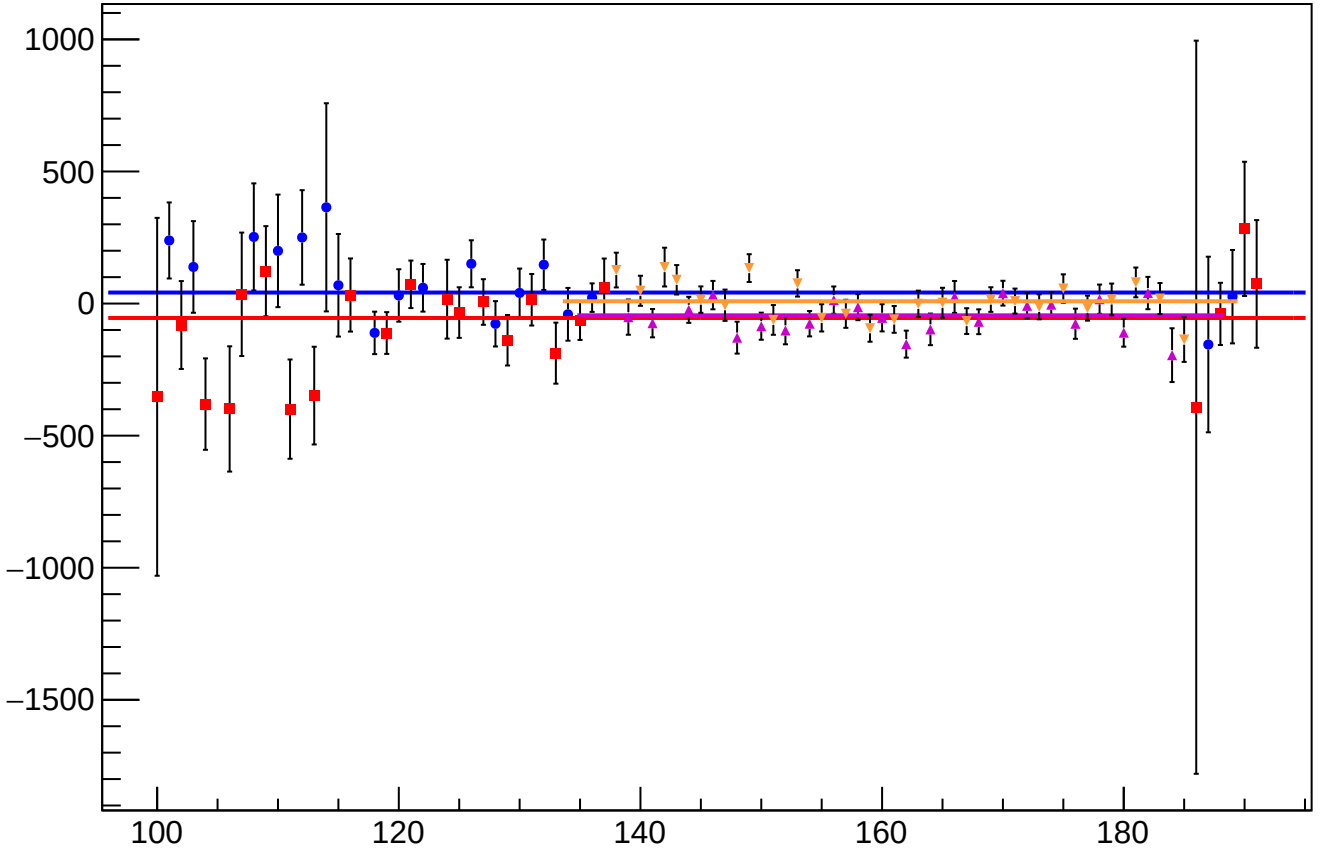
Left In: 0.000+/-0.000 χ^2/NDF:4024430.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6374010.7/42

All: 0.000+/-0.000 χ^2/NDF: 16576564.2/88

- sign 0.000+/-0.000 χ^2/NDF: 10111890.7/45

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: -54.528+/-25.925 χ^2/NDF: 22.6/22

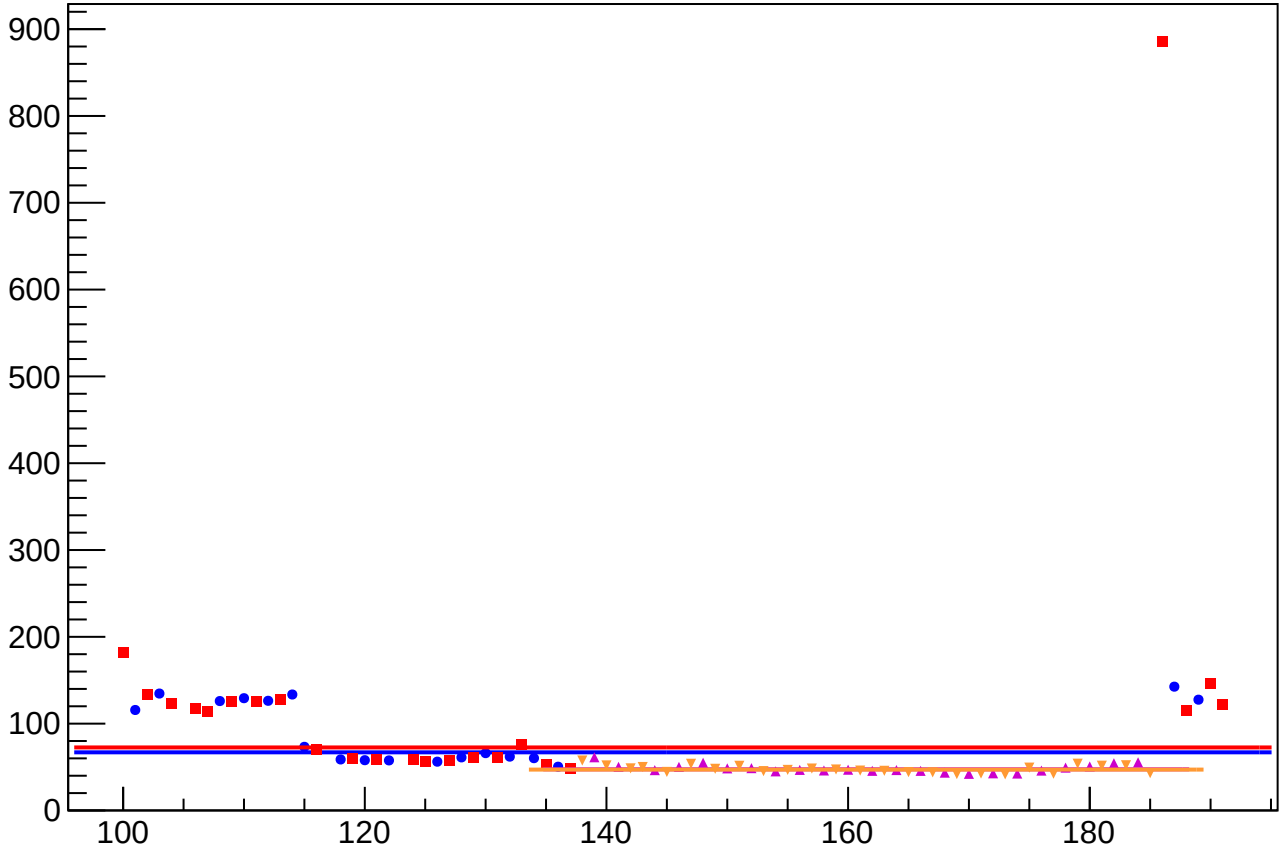
Left In: -44.541+/-11.149 χ^2/NDF:27.0/22

+ sign 13.768+/-9.917 χ^2/NDF: 51.3/42

All: -15.202+/-7.125 χ^2/NDF: 118.7/88

- sign -46.100+/-10.242 χ^2/NDF: 49.7/45

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

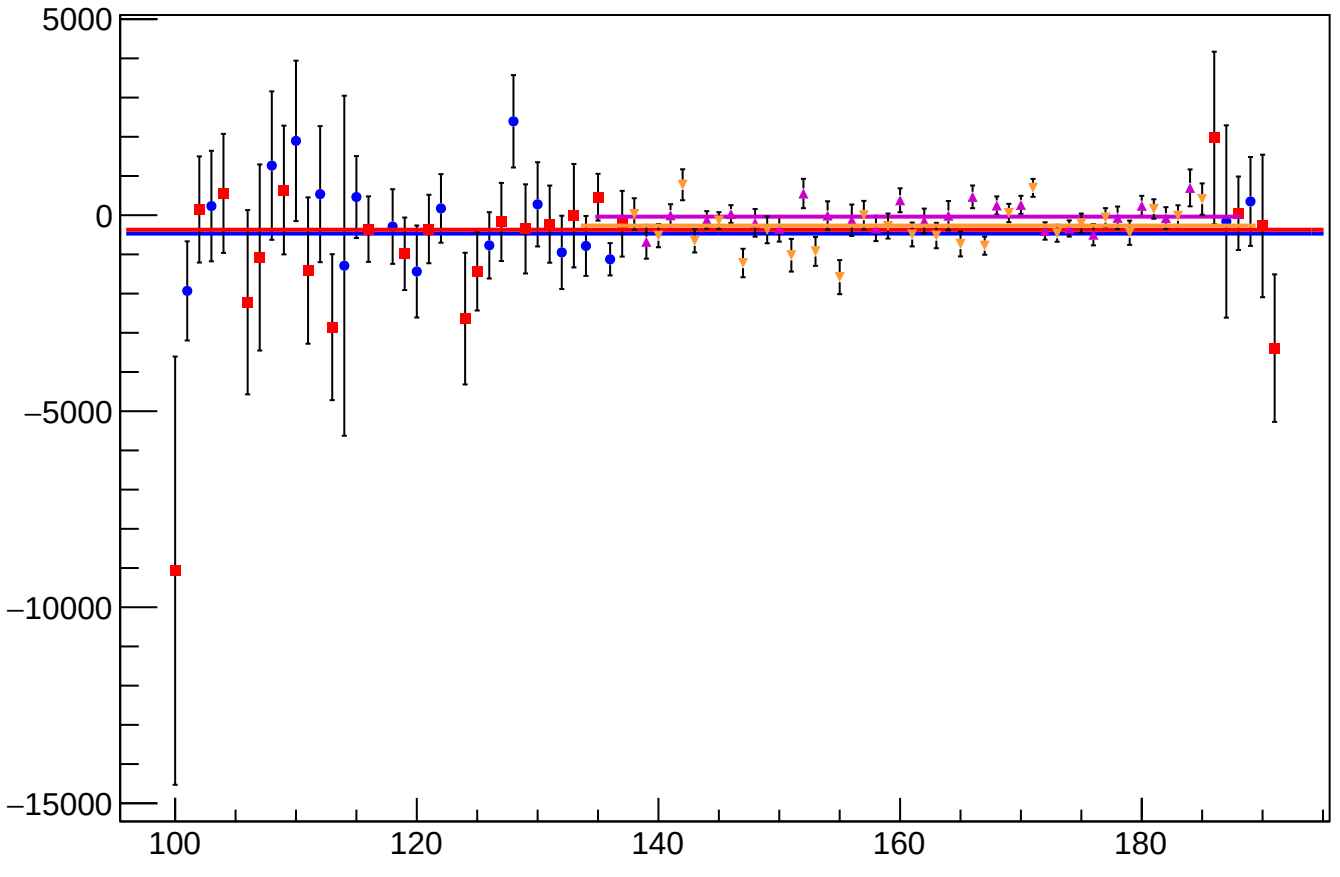
Right Out: 72.587+/-0.018 χ^2/NDF: 2874311.8/22

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 50.088+/-0.007 χ^2/NDF: 3119351.0/42

All: 50.683+/-0.005 χ^2/NDF: 7874752.5/88

- sign 51.317+/-0.007 χ^2/NDF: 4740540.0/45



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: -369.973+/-241.547 χ^2/NDF: 15.6/22

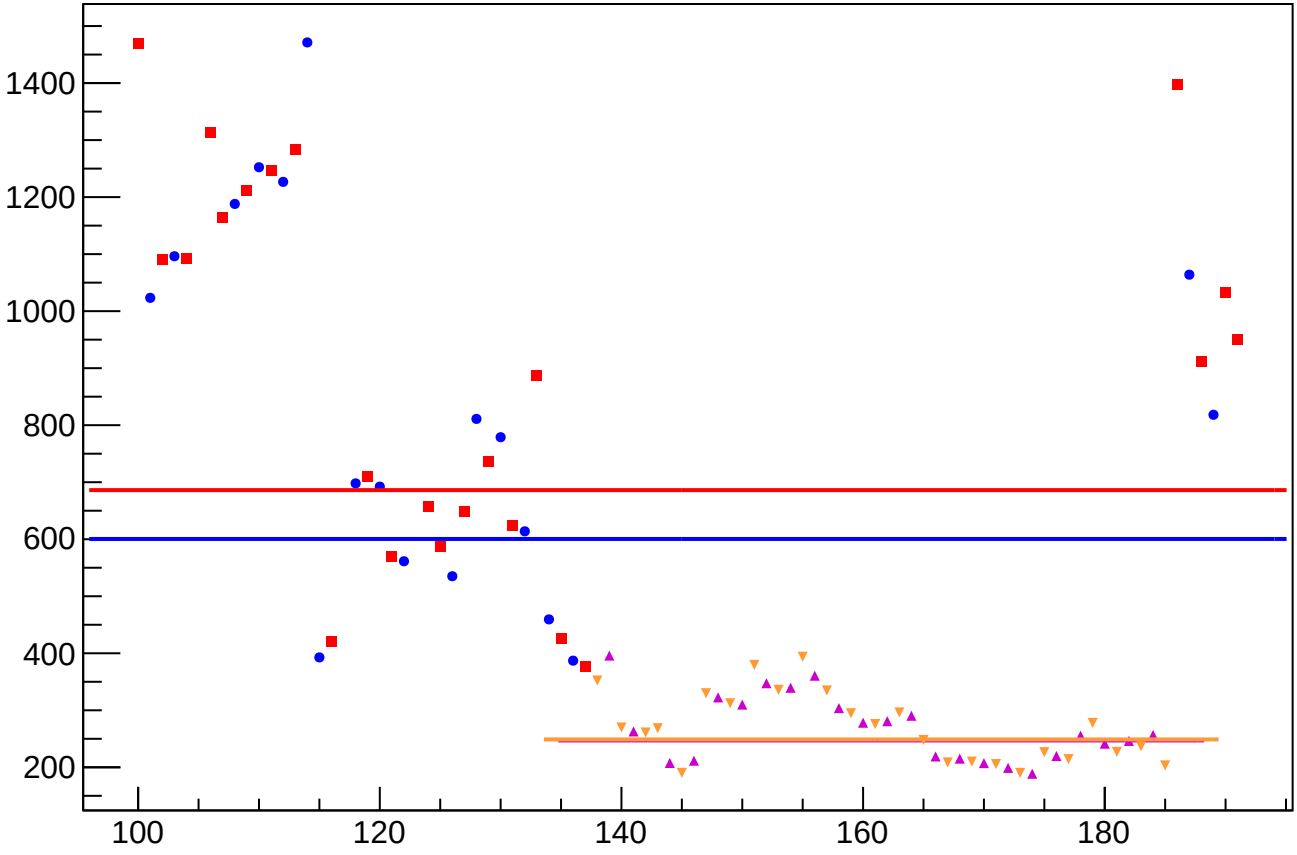
Left In: -37.530+/-59.159 χ^2/NDF:26.6/22

+ sign -277.779+/-56.281 χ^2/NDF: 86.7/42

All: -169.358+/-40.207 χ^2/NDF: 138.3/88

- sign -56.343+/-57.461 χ^2/NDF: 44.0/45

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: 686.129+/-0.171 χ^2/NDF: 2588421.4/22

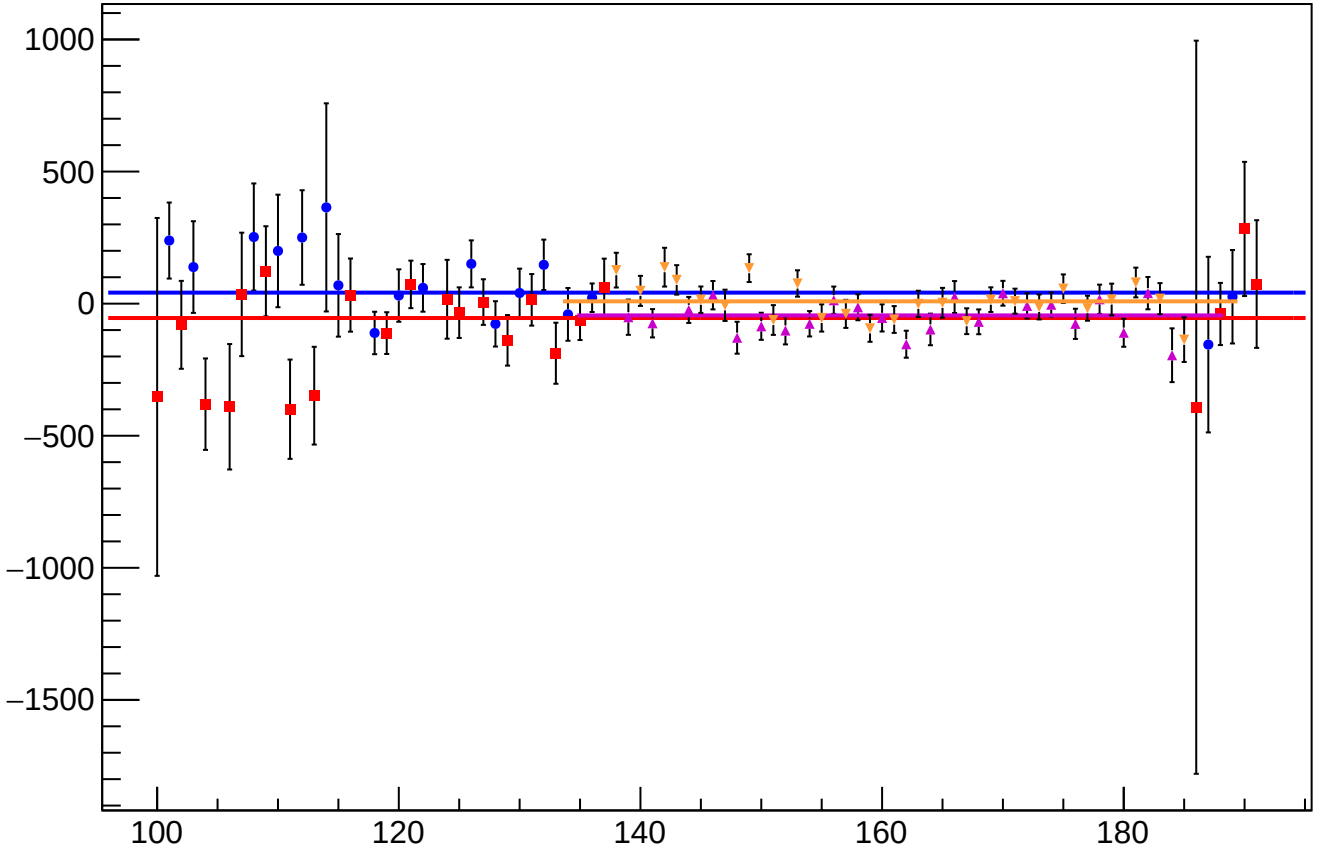
Left In: 247.109+/-0.042 χ^2/NDF:1484450.6/22

+ sign 269.779+/-0.040 χ^2/NDF: 8230312.7/42

All: 270.844+/-0.028 χ^2/NDF: 18537606.1/88

- sign 271.954+/-0.041 χ^2/NDF: 10305831.0/45

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: -54.389+/-25.926 χ^2/NDF: 22.5/22

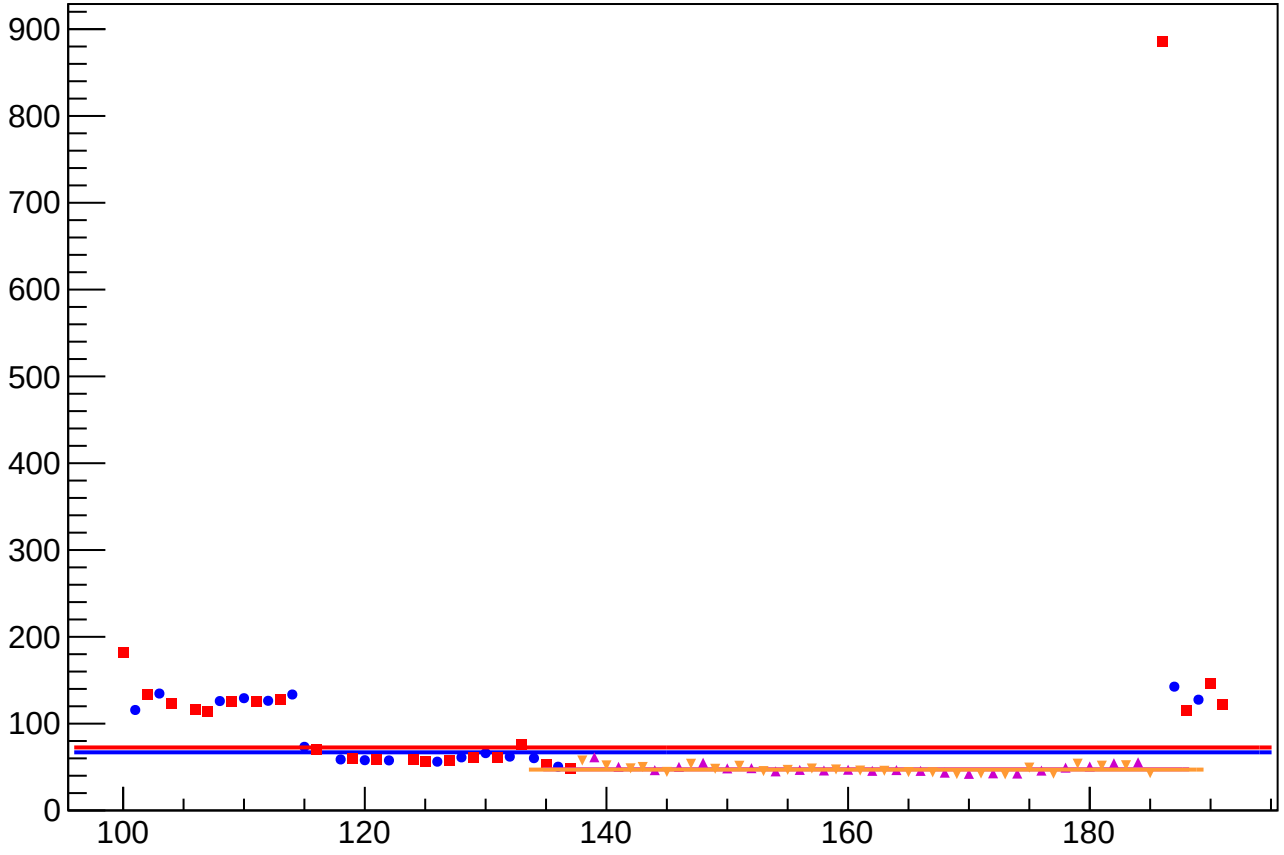
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 13.769+/-9.917 χ^2/NDF: 51.3/42

All: -15.191+/-7.125 χ^2/NDF: 118.6/88

- sign -46.077+/-10.242 χ^2/NDF: 49.6/45

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

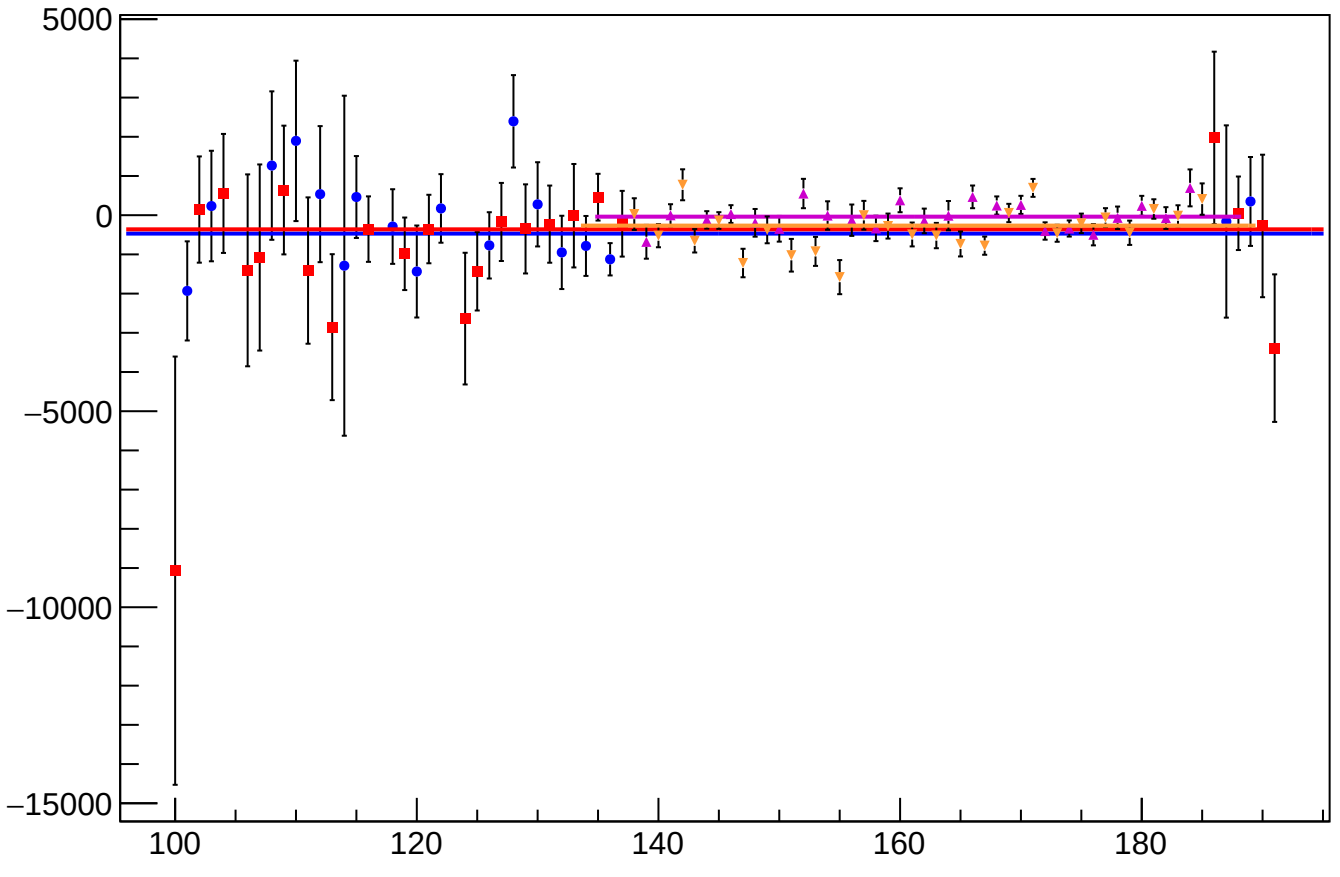
Right Out: 72.574+/-0.018 χ^2/NDF: 2871280.9/22

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

\+ sign 50.088+/-0.007 χ^2/NDF: 3119353.0/42

All: 50.682+/-0.005 χ^2/NDF: 7869928.1/88

\- sign 51.315+/-0.007 χ^2/NDF: 4735767.7/45



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: -360.594+/-241.653 χ^2/NDF: 15.2/22

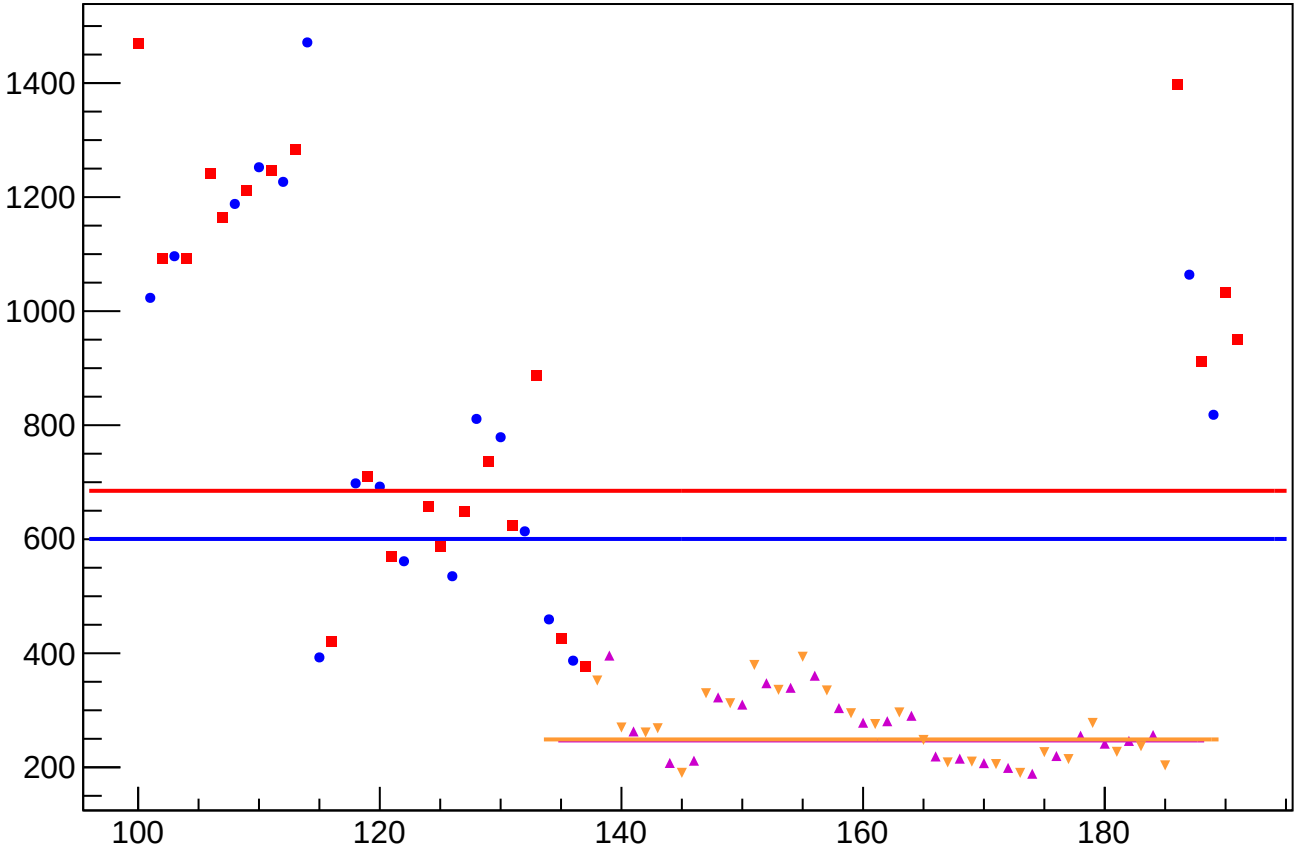
Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

+ sign -277.774+/-56.281 χ^2/NDF: 86.7/42

All: -169.090+/-40.208 χ^2/NDF: 137.8/88

- sign -55.794+/-57.463 χ^2/NDF: 43.5/45

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: 684.913+/-0.171 χ^2/NDF: 2549220.0/22

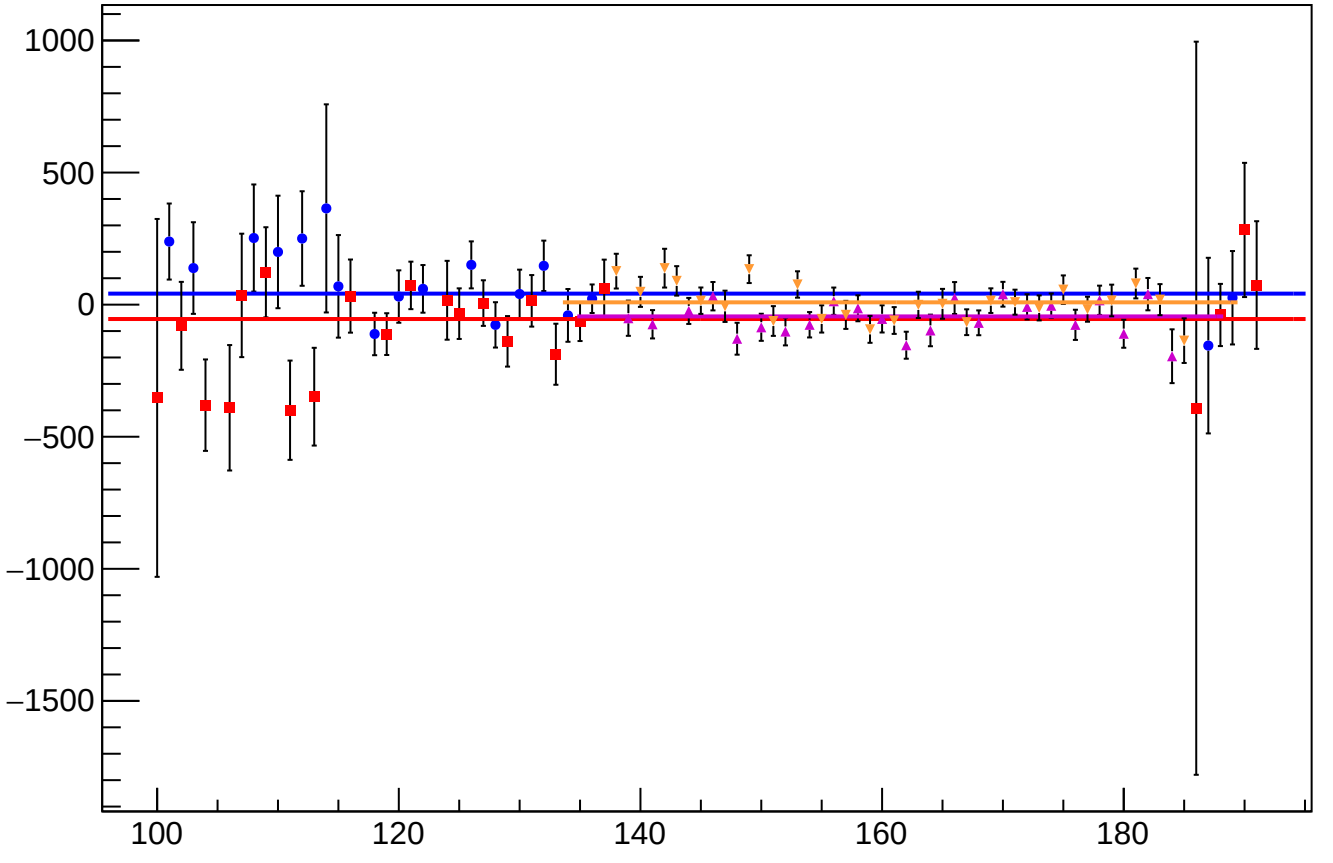
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 269.778+/-0.040 χ^2/NDF: 8230345.2/42

All: 270.800+/-0.028 χ^2/NDF: 18458702.8/88

- sign 271.864+/-0.041 χ^2/NDF: 10227012.3/45

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: -54.389+/-25.926 χ^2/NDF: 22.5/22

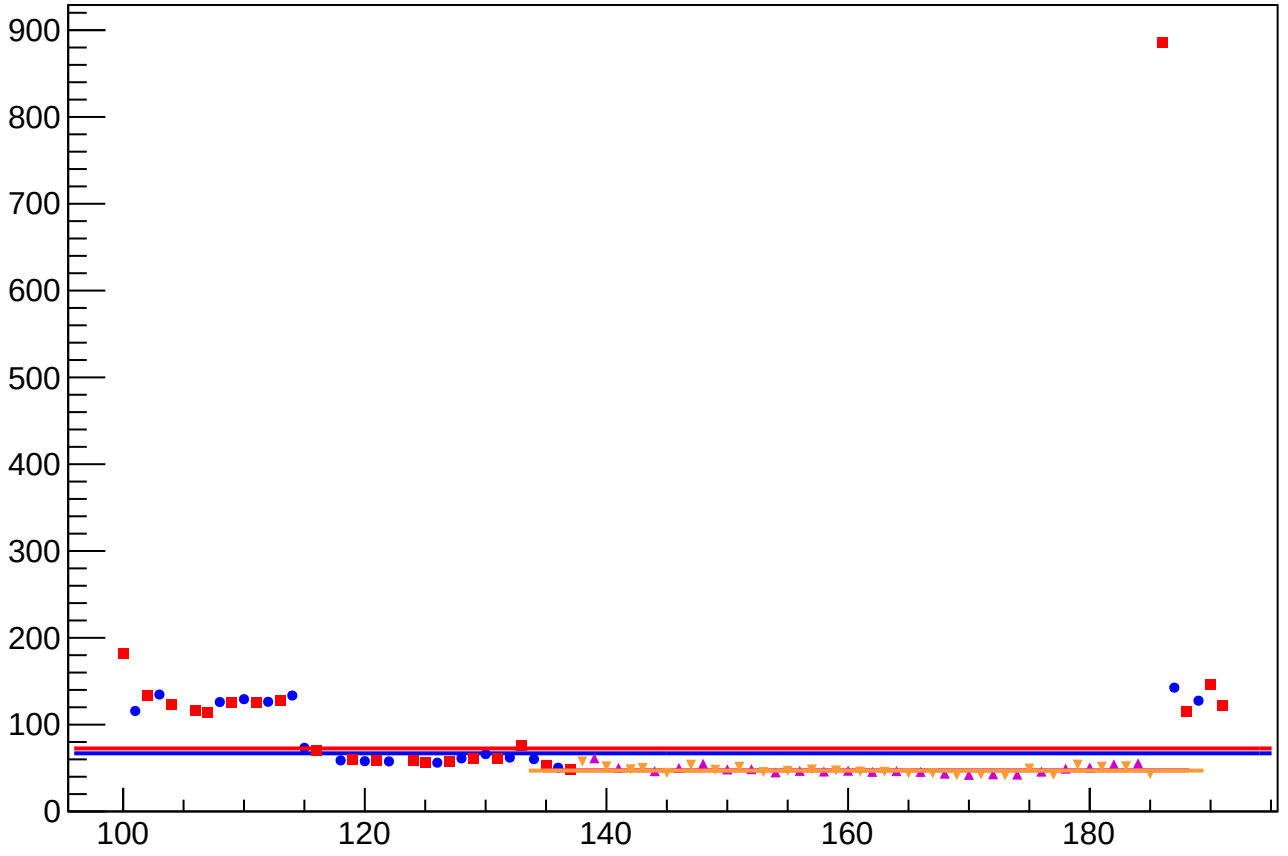
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 13.769+/-9.917 χ^2/NDF: 51.3/42

All: -15.191+/-7.125 χ^2/NDF: 118.6/88

- sign -46.077+/-10.242 χ^2/NDF: 49.6/45

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

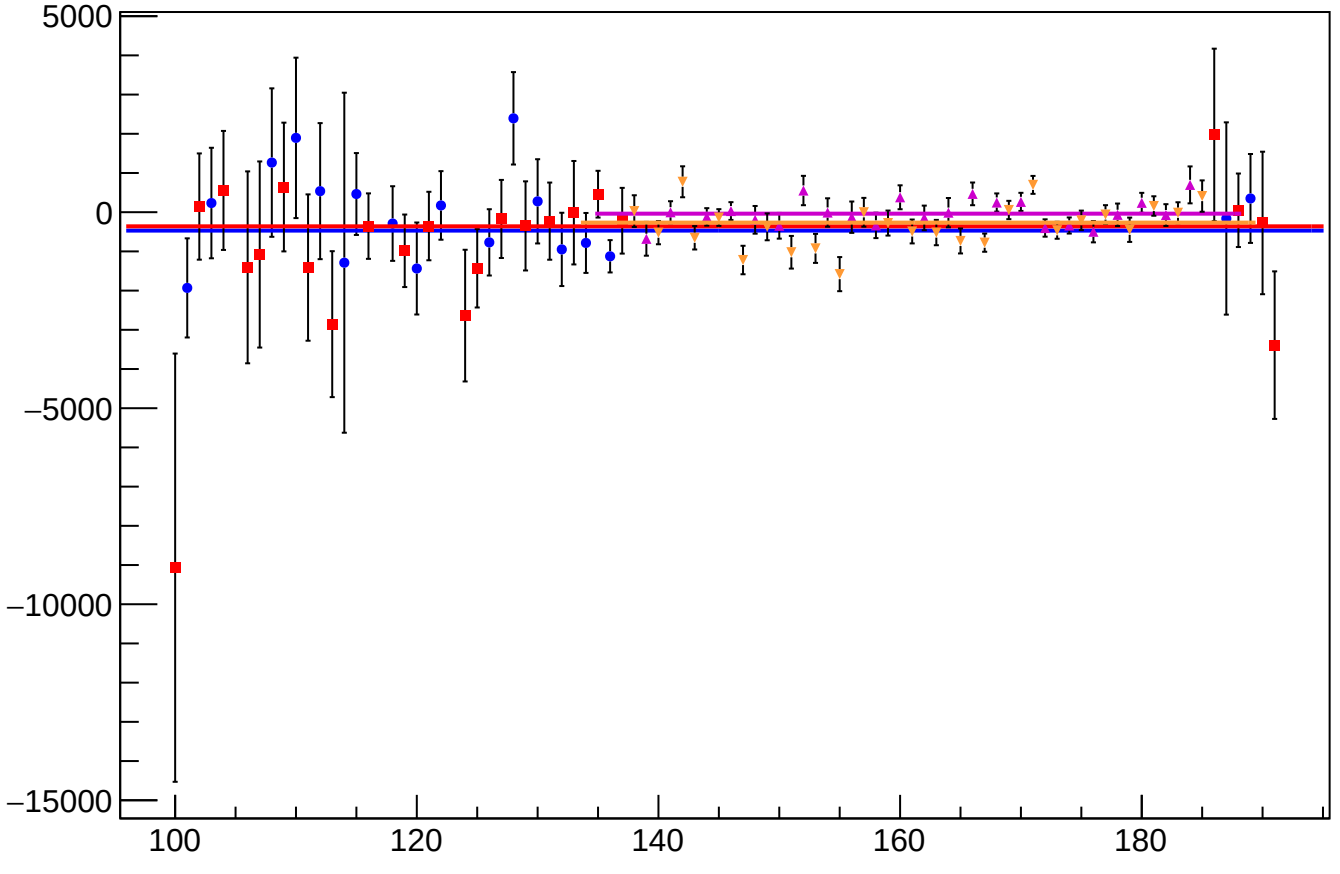
Right Out: 72.574+/-0.018 χ^2/NDF: 2871280.9/22

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 50.088+/-0.007 χ^2/NDF: 3119353.0/42

All: 50.682+/-0.005 χ^2/NDF: 7869928.1/88

- sign 51.315+/-0.007 χ^2/NDF: 4735767.7/45



Right In: -469.253+/-230.906 χ^2/NDF: 16.2/17

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

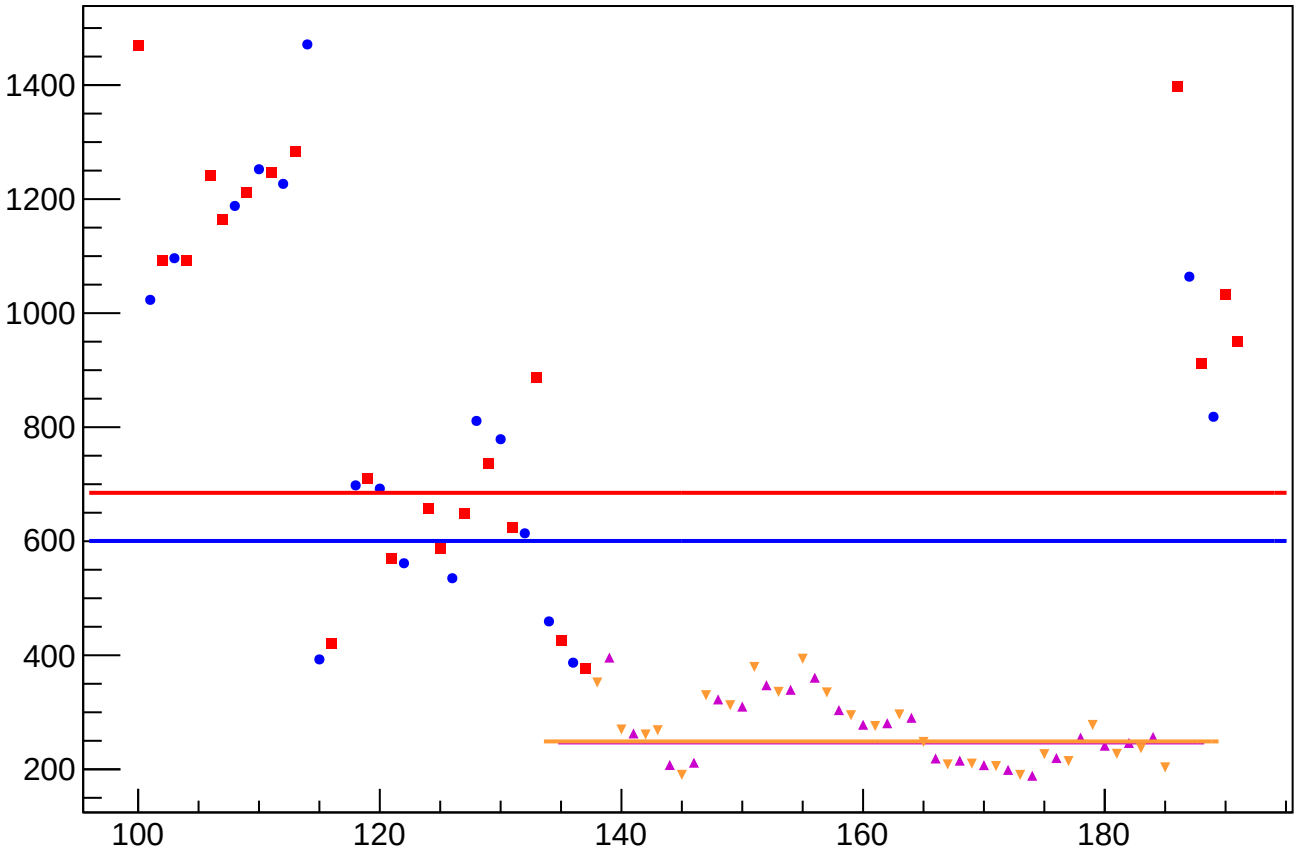
Right Out: -360.594+/-241.653 χ^2/NDF: 15.2/22

Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

+ sign -277.774+/-56.281 χ^2/NDF: 86.7/42

All: -169.090+/-40.208 χ^2/NDF: 137.8/88

- sign -55.794+/-57.463 χ^2/NDF: 43.5/45



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: 684.913+/-0.171 χ^2/NDF: 2549220.0/22

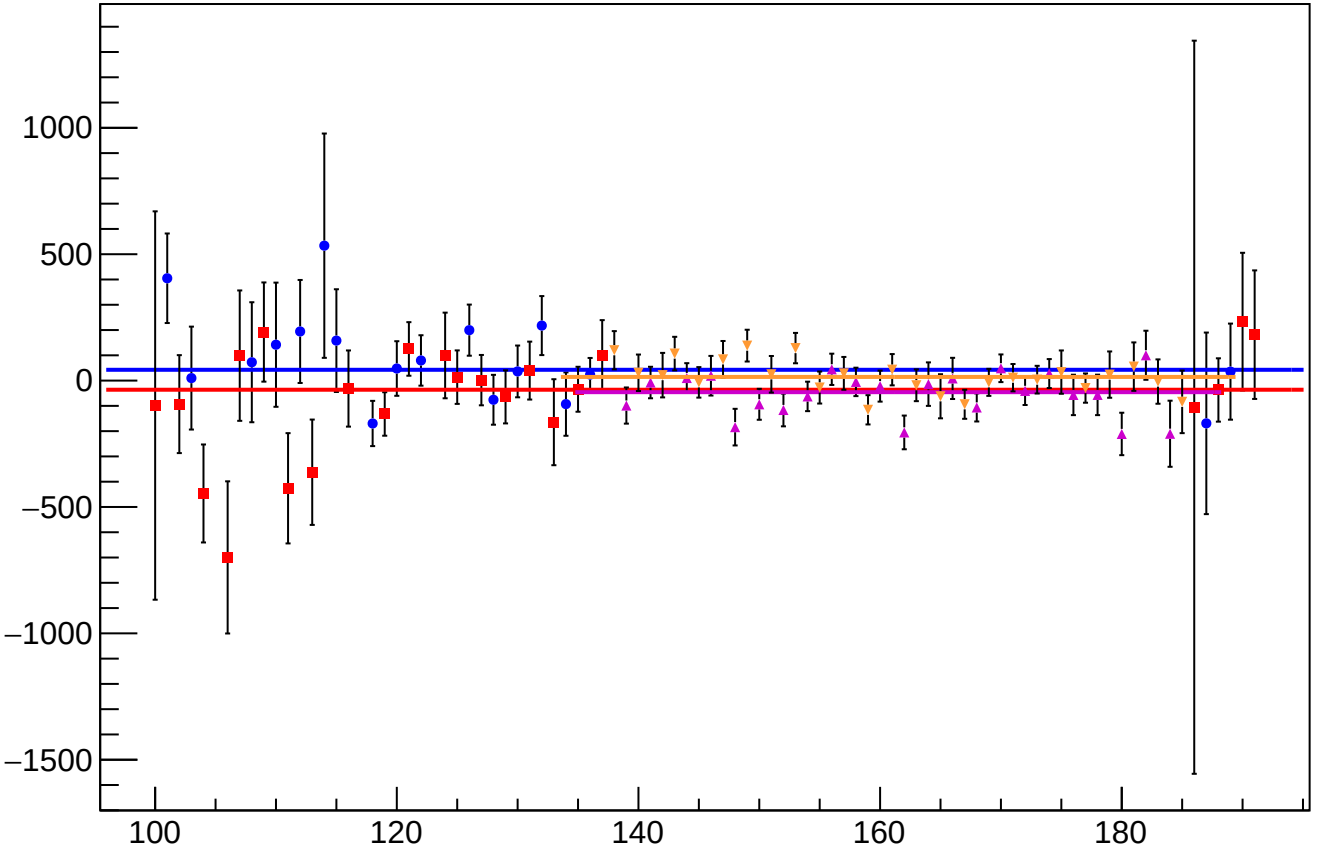
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 269.778+/-0.040 χ^2/NDF: 8230345.2/42

All: 270.800+/-0.028 χ^2/NDF: 18458702.8/88

- sign 271.864+/-0.041 χ^2/NDF: 10227012.3/45

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: -36.155+/-29.918 χ^2/NDF: 25.0/22

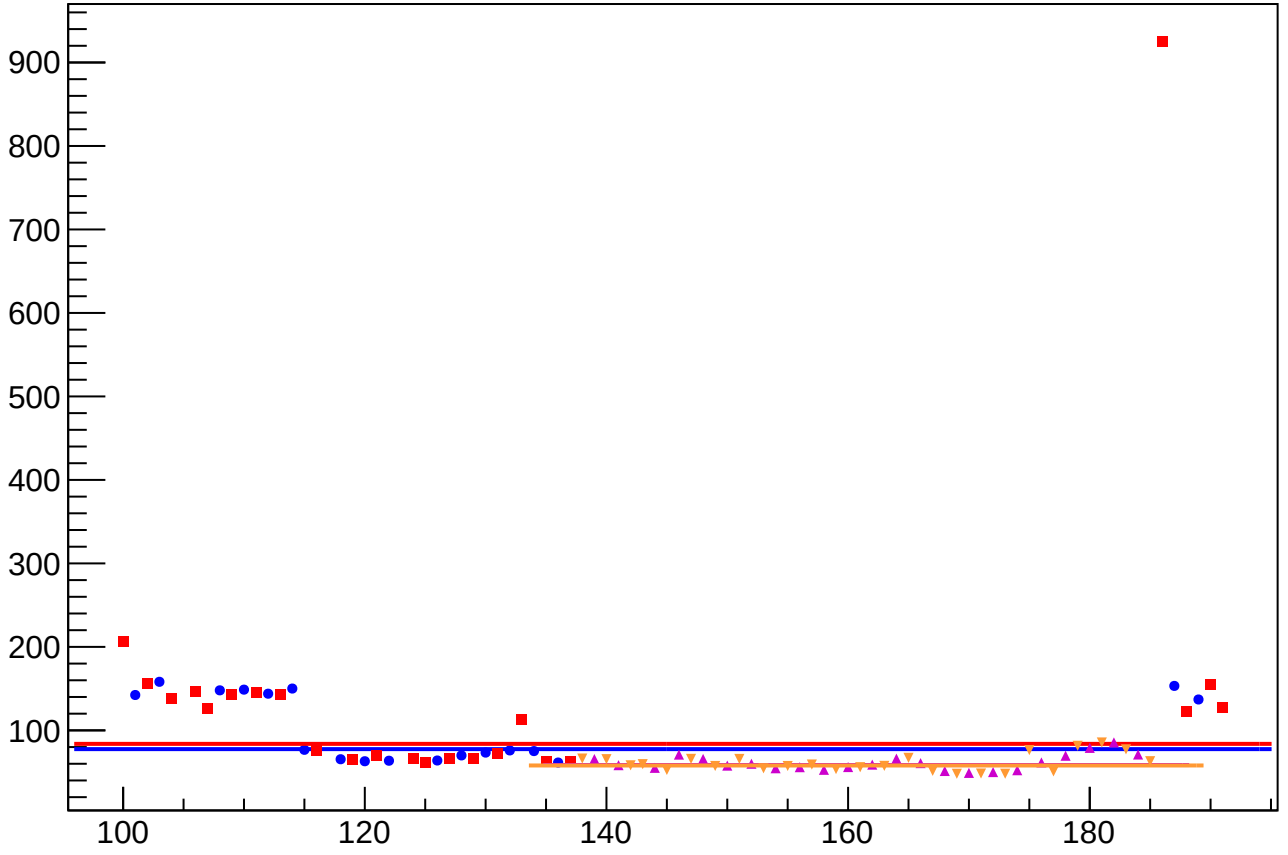
Left In: -45.806+/-13.931 χ^2/NDF:30.7/22

+ sign 19.376+/-12.237 χ^2/NDF: 45.3/42

All: -11.356+/-8.788 χ^2/NDF: 114.1/88

- sign -44.086+/-12.629 χ^2/NDF: 55.9/45

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: 83.834+/-0.021 χ^2/NDF: 2778457.1/22

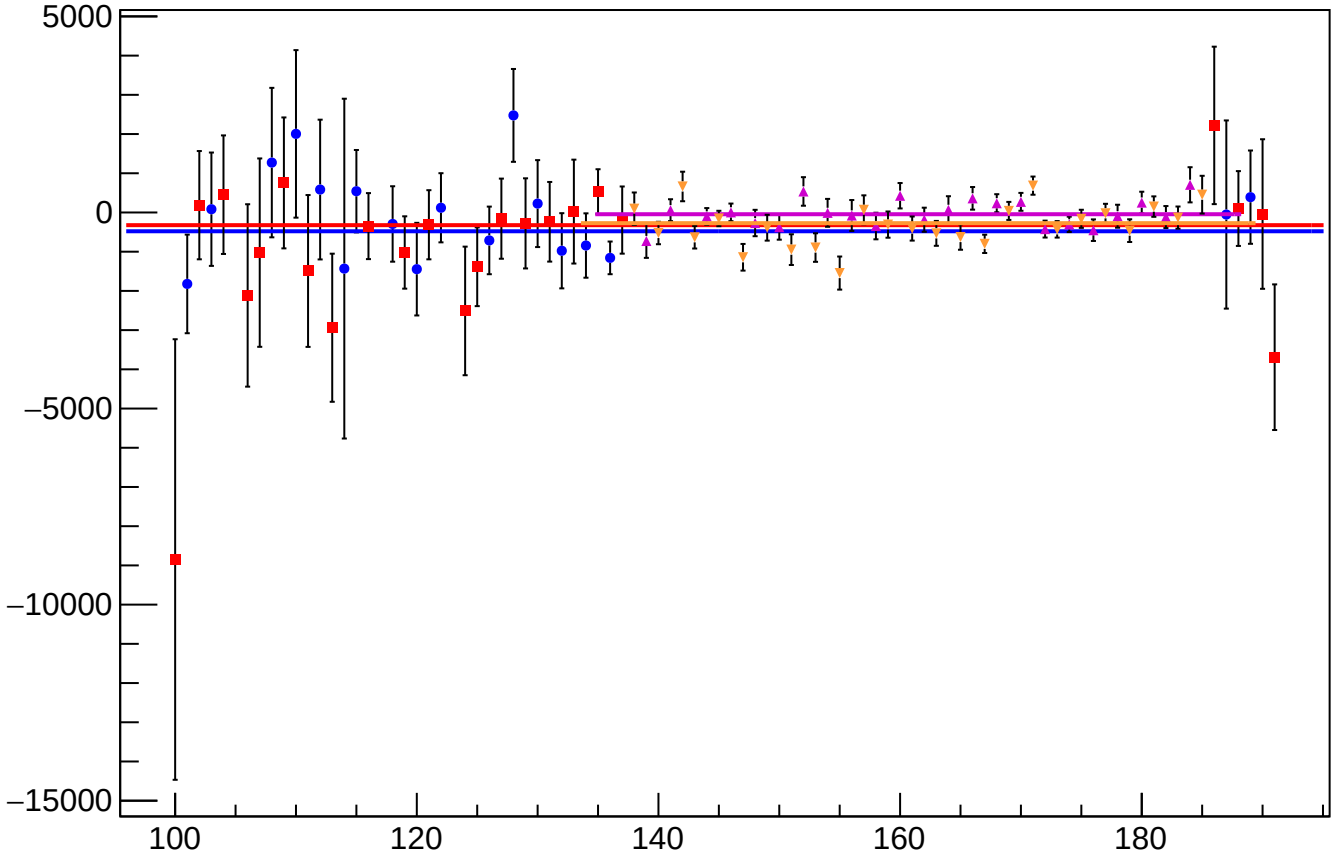
Left In: 58.479+/-0.010 χ^2/NDF:649919.9/22

+ sign 61.346+/-0.009 χ^2/NDF: 3387226.1/42

All: 62.146+/-0.006 χ^2/NDF: 8013723.8/88

- sign 62.997+/-0.009 χ^2/NDF: 4608875.0/45

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: -323.618+/-241.844 χ^2/NDF: 17.0/22

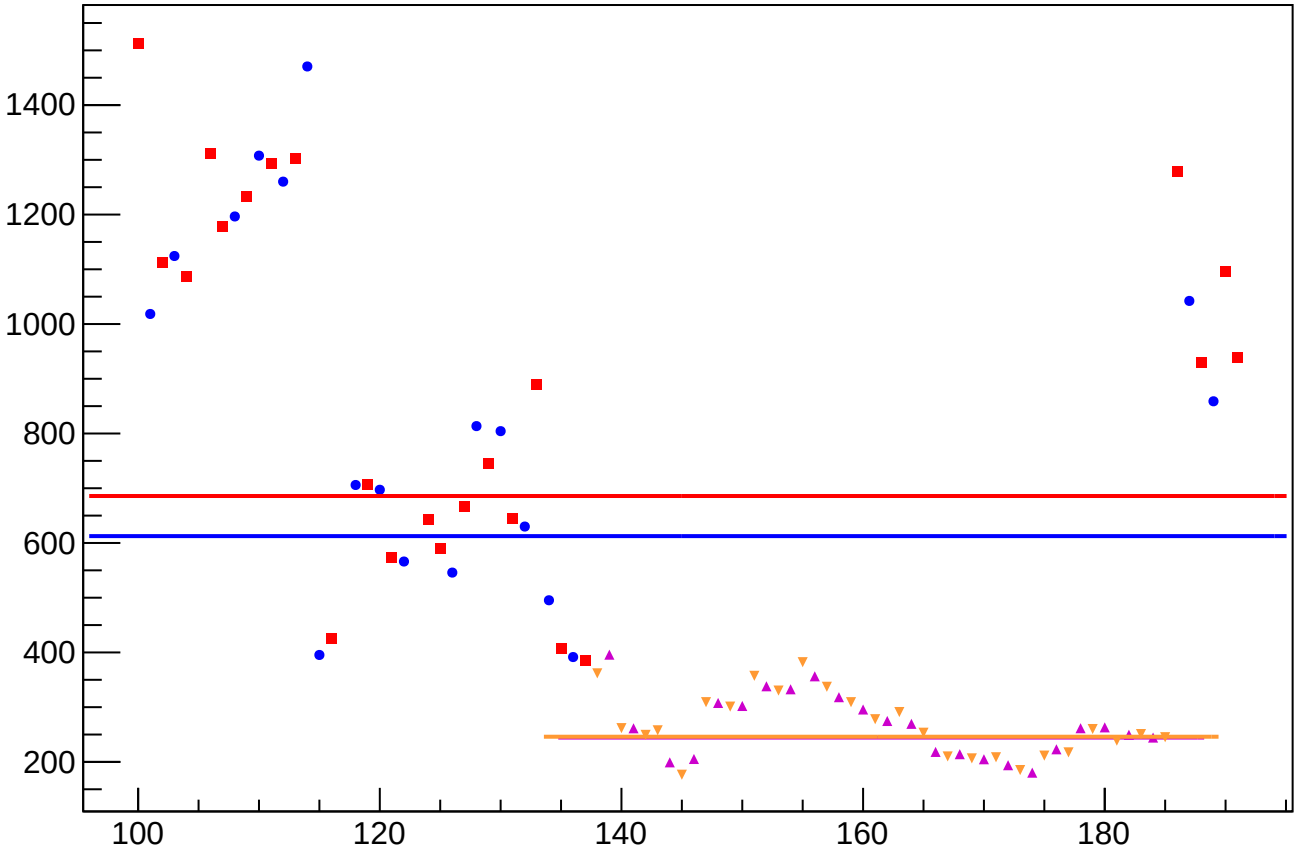
Left In: -44.553+/-58.614 χ^2/NDF:26.5/22

+ sign -284.065+/-55.650 χ^2/NDF: 82.9/42

All: -174.666+/-39.807 χ^2/NDF: 135.6/88

- sign -60.036+/-56.965 χ^2/NDF: 44.8/45

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: 685.798+/-0.171 χ^2/NDF: 2688225.4/22

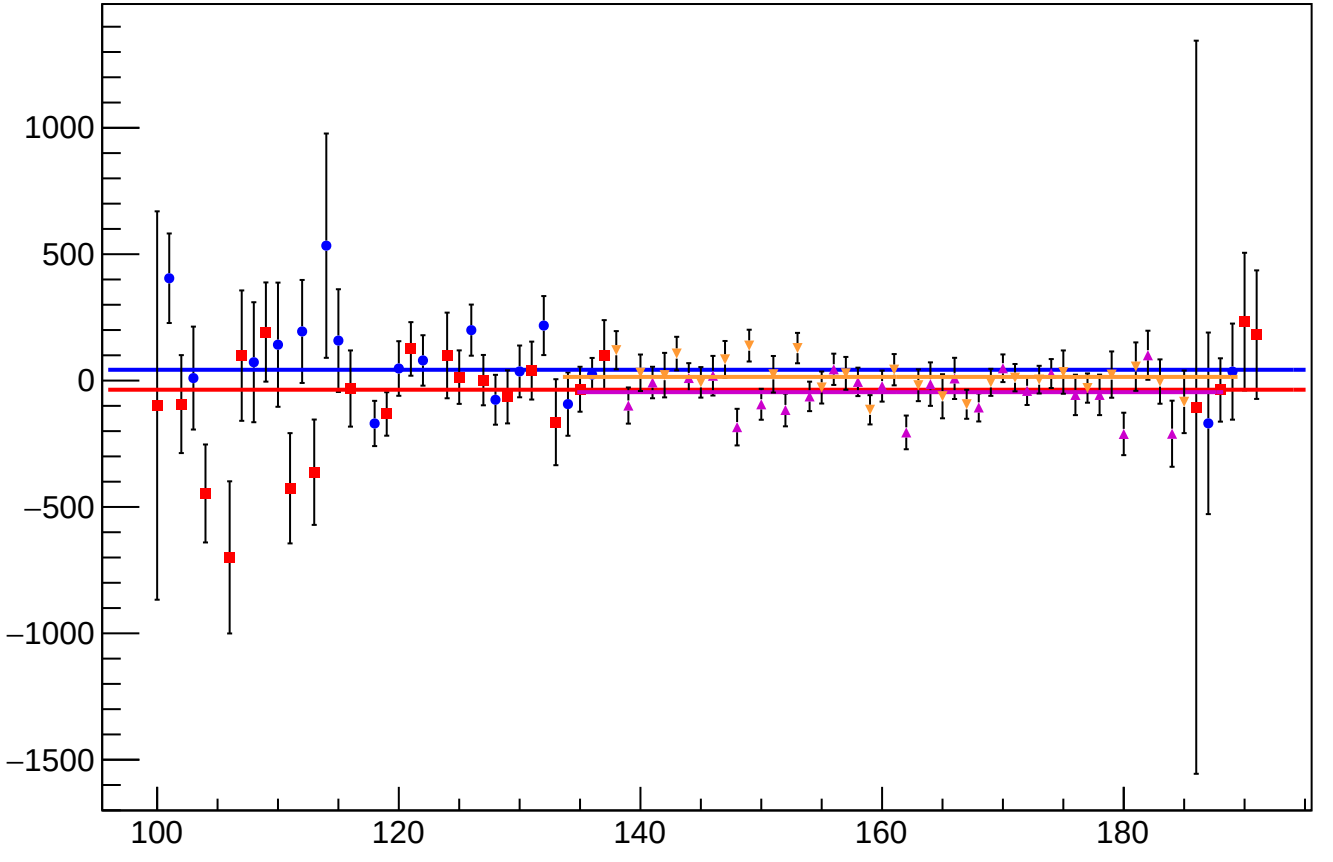
Left In: 244.450+/-0.041 χ^2/NDF:1596988.0/22

+ sign 266.507+/-0.039 χ^2/NDF: 8464398.2/42

All: 267.694+/-0.028 χ^2/NDF: 19042641.2/88

- sign 268.936+/-0.040 χ^2/NDF: 10576382.2/45

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: -36.155+/-29.918 χ^2/NDF: 25.0/22

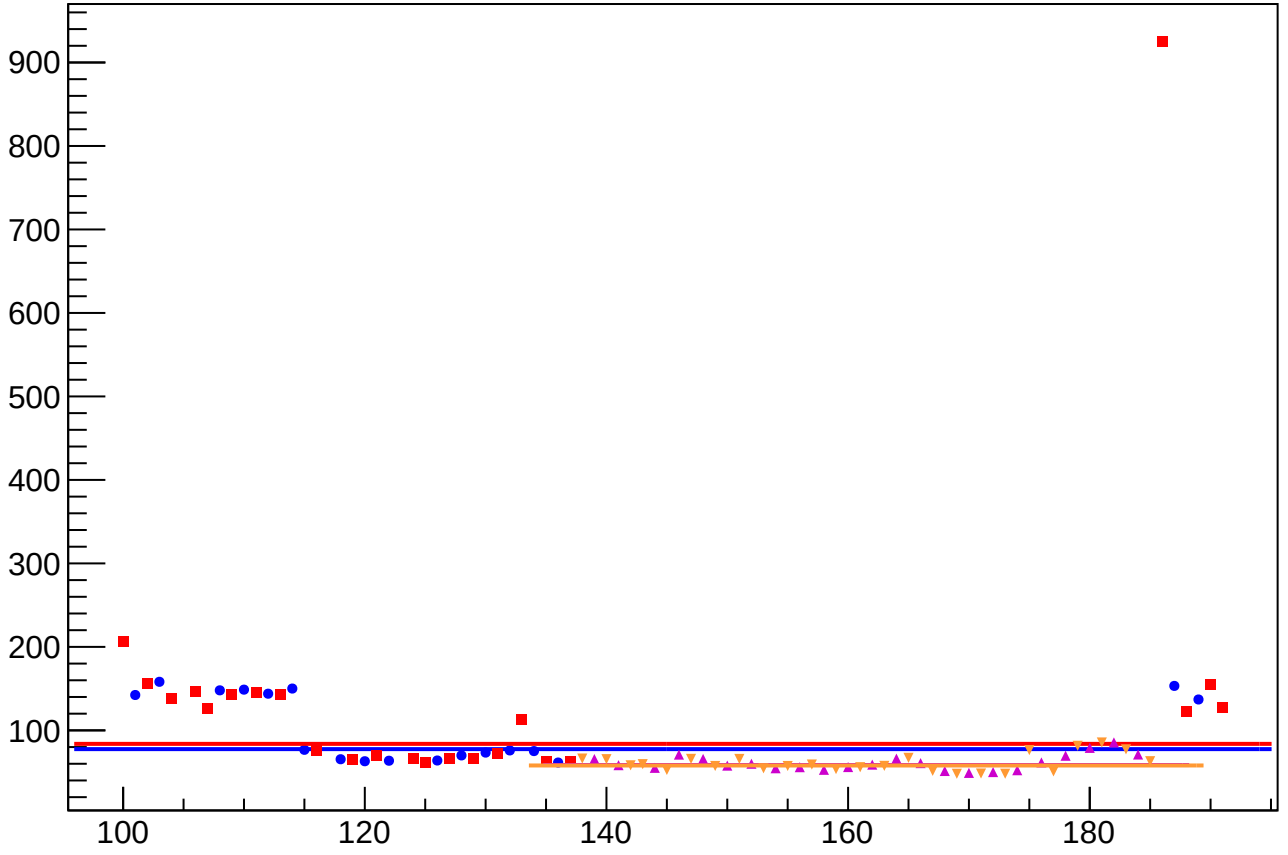
Left In: -45.805+/-13.931 χ^2/NDF:30.7/22

+ sign 19.375+/-12.237 χ^2/NDF: 45.3/42

All: -11.355+/-8.788 χ^2/NDF: 114.1/88

- sign -44.086+/-12.629 χ^2/NDF: 55.9/45

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

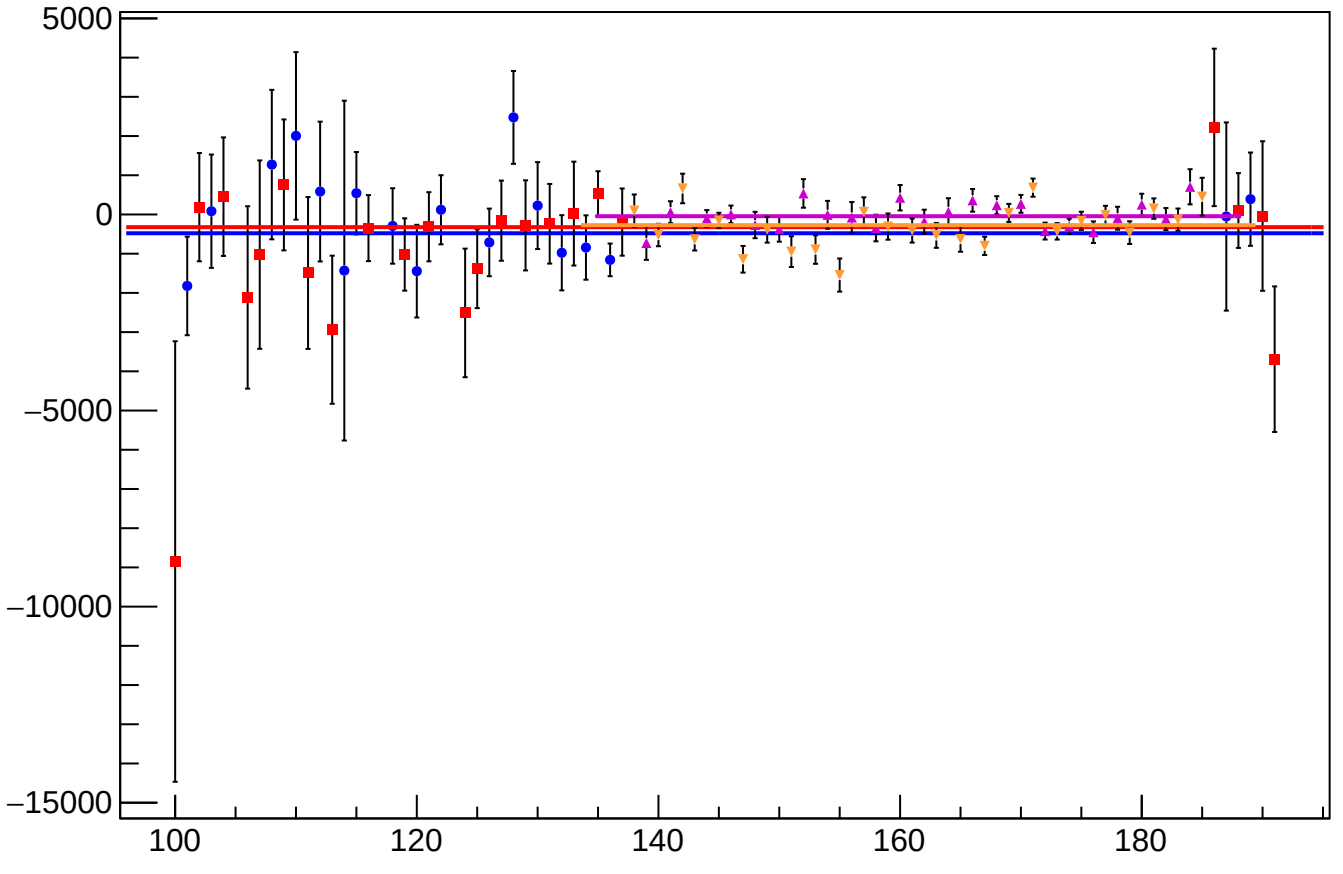
Right Out: 83.834+/-0.021 χ^2/NDF: 2778456.7/22

Left In: 58.479+/-0.010 χ^2/NDF:649911.4/22

+ sign 61.346+/-0.009 χ^2/NDF: 3387194.9/42

All: 62.146+/-0.006 χ^2/NDF: 8013648.2/88

- sign 62.997+/-0.009 χ^2/NDF: 4608829.1/45



Right In: -479.134+/-235.358 χ^2/NDF: 16.4/17

Left Out: -272.512+/-57.274 χ^2/NDF:65.8/24

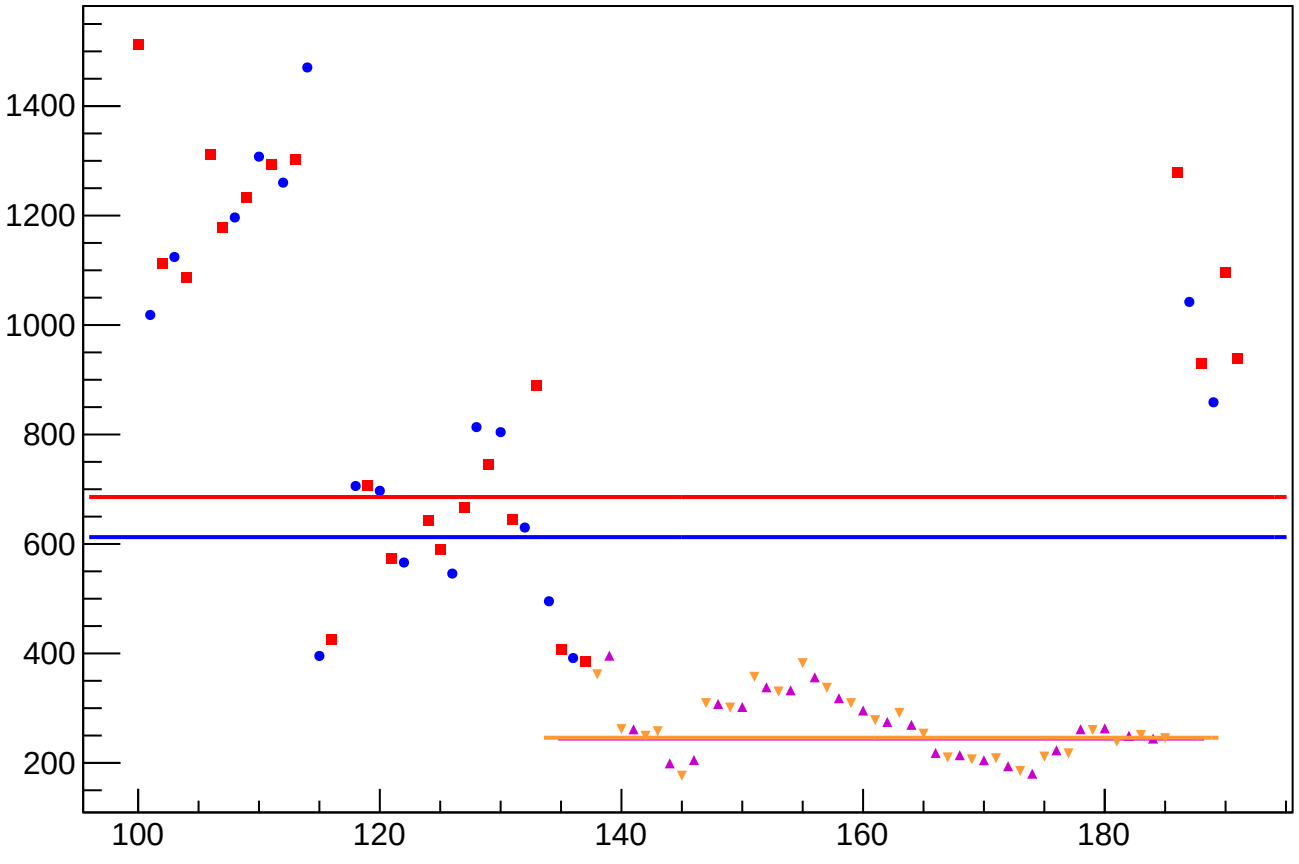
Right Out: -323.618+/-241.844 χ^2/NDF: 17.0/22

Left In: -44.552+/-58.614 χ^2/NDF:26.5/22

+ sign -284.064+/-55.650 χ^2/NDF: 82.9/42

All: -174.665+/-39.807 χ^2/NDF: 135.6/88

- sign -60.035+/-56.965 χ^2/NDF: 44.8/45



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: 685.797+/-0.171 χ^2/NDF: 2688207.5/22

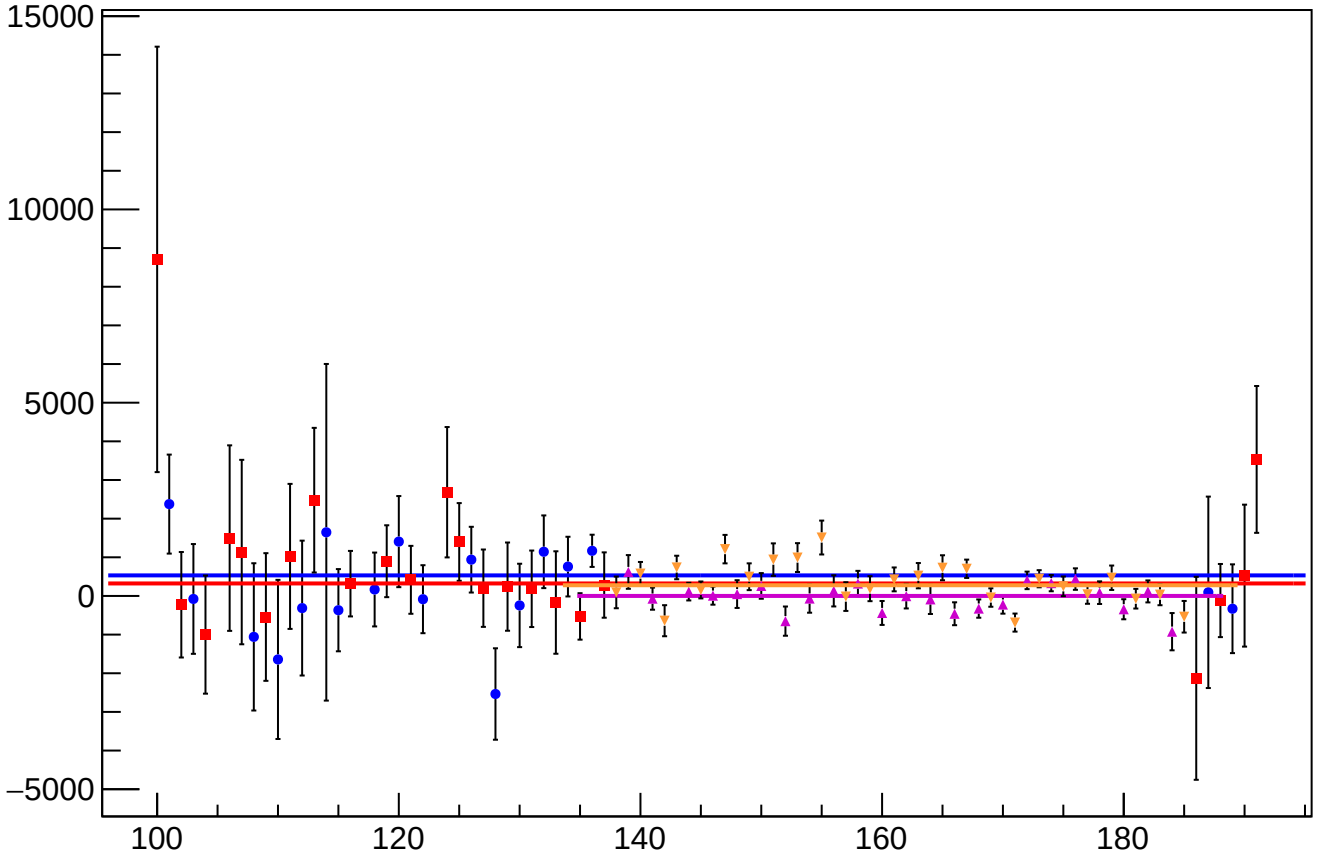
Left In: 244.450+/-0.041 χ^2/NDF:1596977.8/22

+ sign 266.507+/-0.039 χ^2/NDF: 8464393.0/42

All: 267.693+/-0.028 χ^2/NDF: 19042616.9/88

- sign 268.936+/-0.040 χ^2/NDF: 10576362.9/45

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: 323.441+/-243.750 χ^2/NDF: 15.0/22

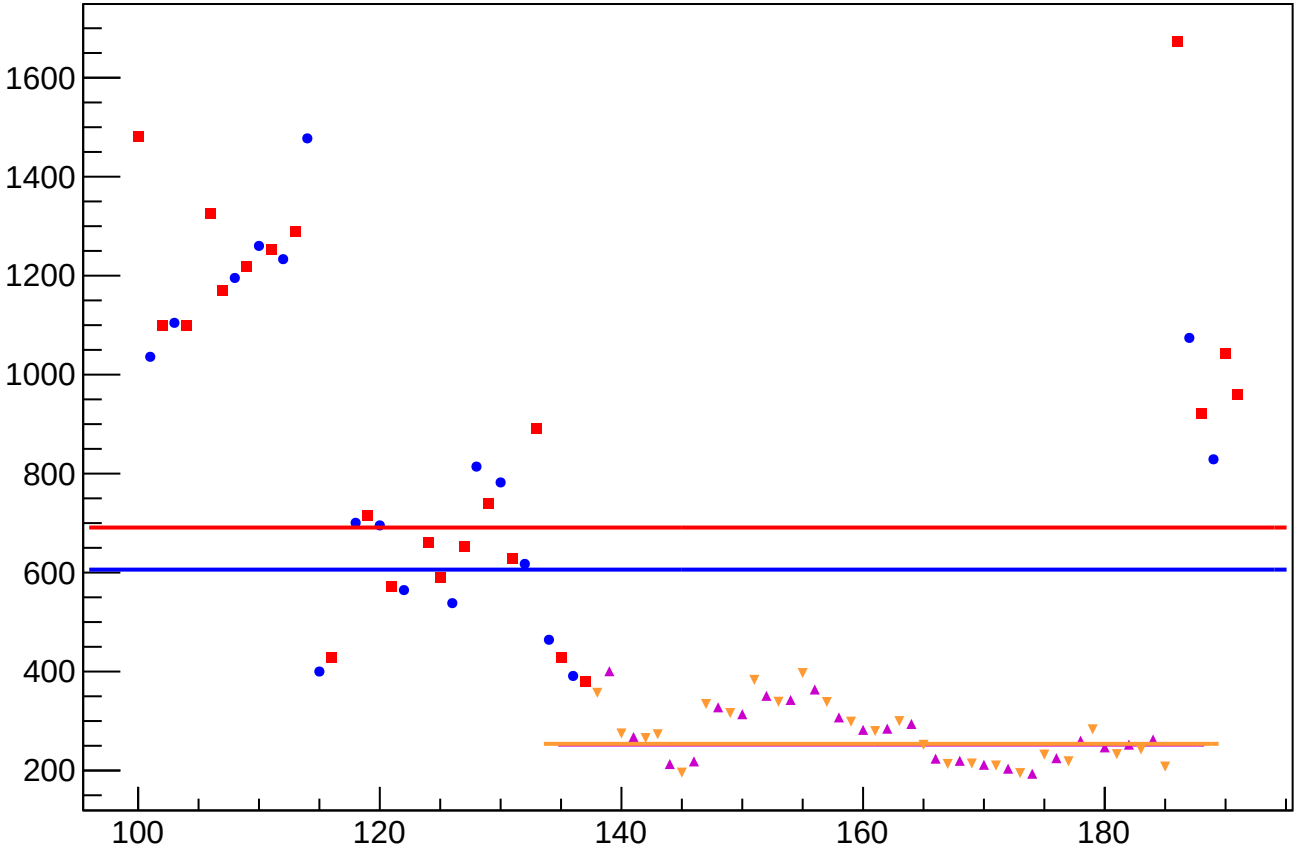
Left In: 0.556+/-60.356 χ^2/NDF:28.1/22

+ sign 292.524+/-57.328 χ^2/NDF: 82.4/42

All: 158.834+/-40.975 χ^2/NDF: 138.3/88

- sign 19.209+/-58.587 χ^2/NDF: 44.8/45

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

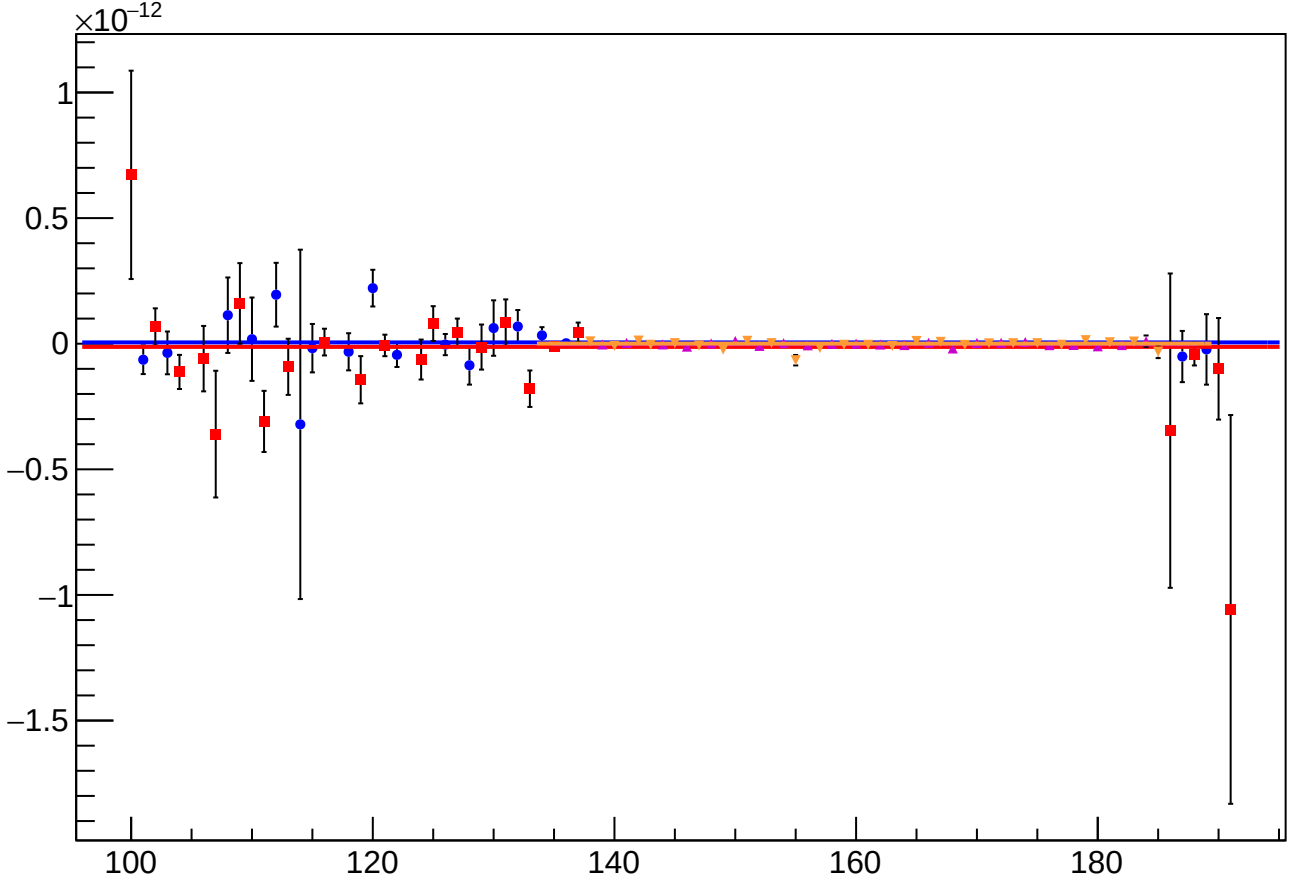
Right Out: 691.028+/-0.172 χ^2/NDF: 2646182.0/22

Left In: 252.390+/-0.043 χ^2/NDF:1412169.8/22

+ sign 275.287+/-0.041 χ^2/NDF: 8073291.8/42

All: 276.482+/-0.029 χ^2/NDF: 18235978.5/88

- sign 277.731+/-0.041 χ^2/NDF: 10160908.7/45



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

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/24

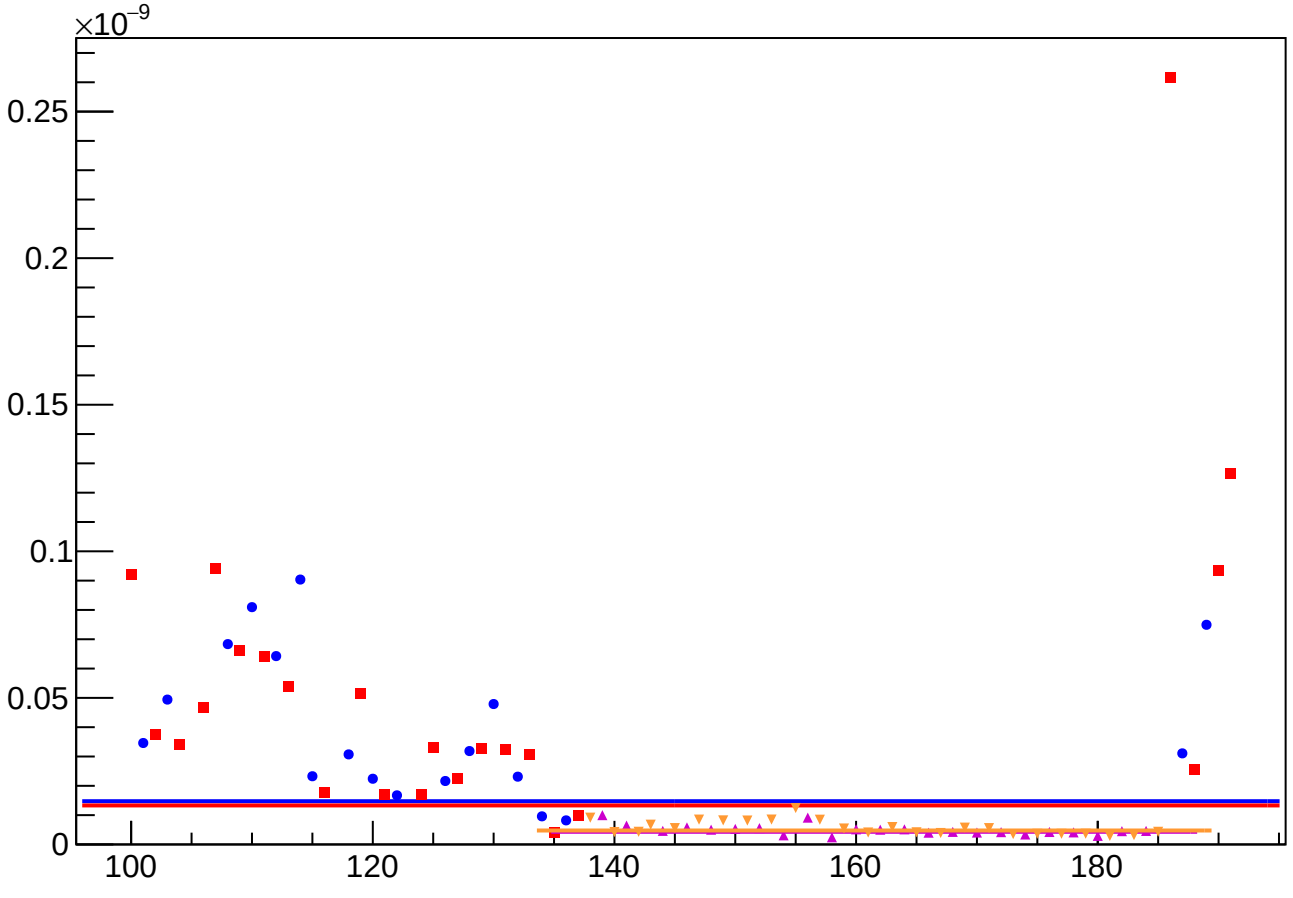
Right Out: -0.000+/-0.000 χ^2/NDF: 32.2/22

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: 94.0/88

- sign -0.000+/-0.000 χ^2/NDF: 47.2/45



Right In: 0.000+/-0.000 χ^2/NDF: 2917603.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:1613401.1/24

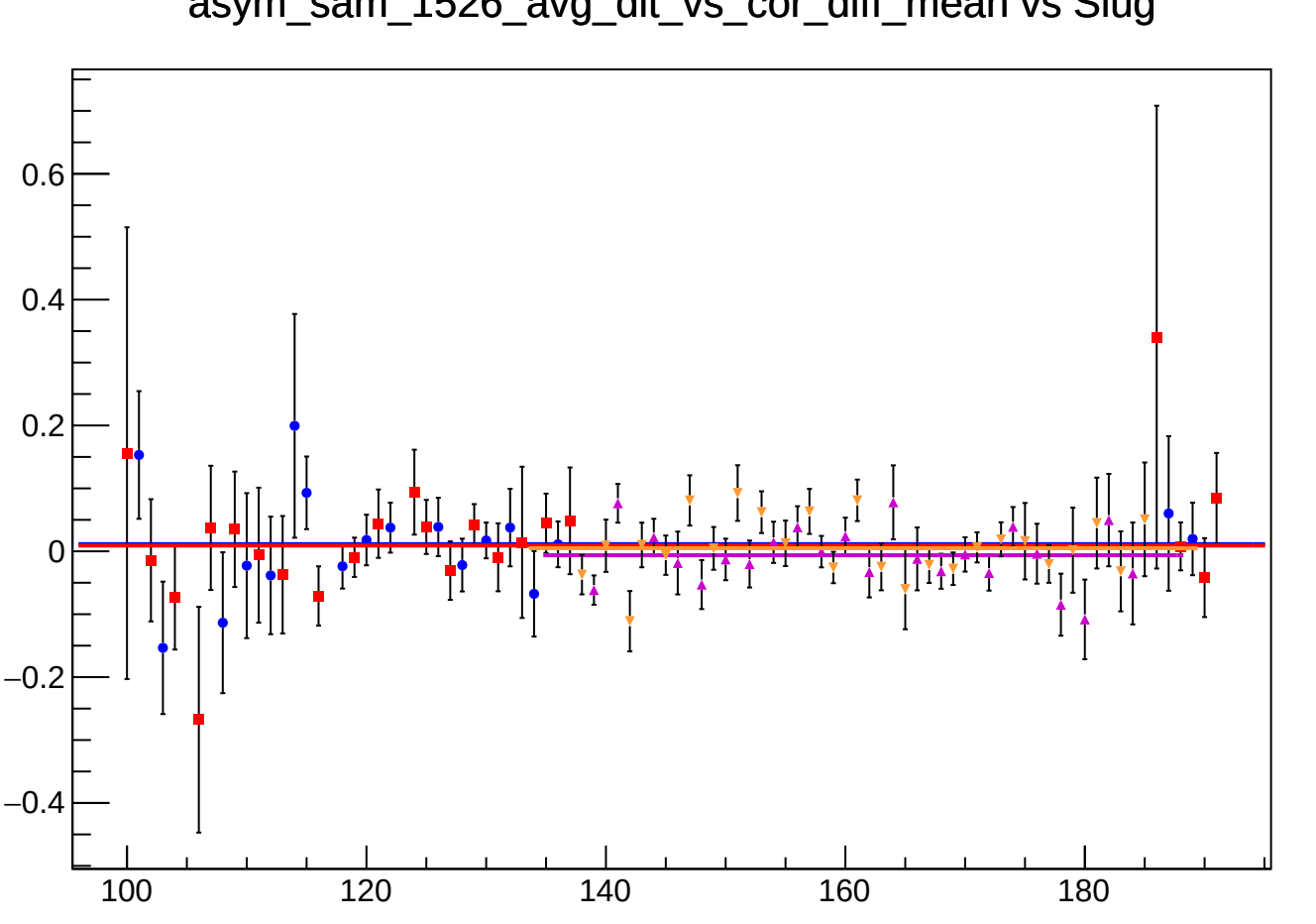
Right Out: 0.000+/-0.000 χ^2/NDF: 4304538.3/22

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: 13147115.4/88

- sign 0.000+/-0.000 χ^2/NDF: 6776732.8/45



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: 15.0/22

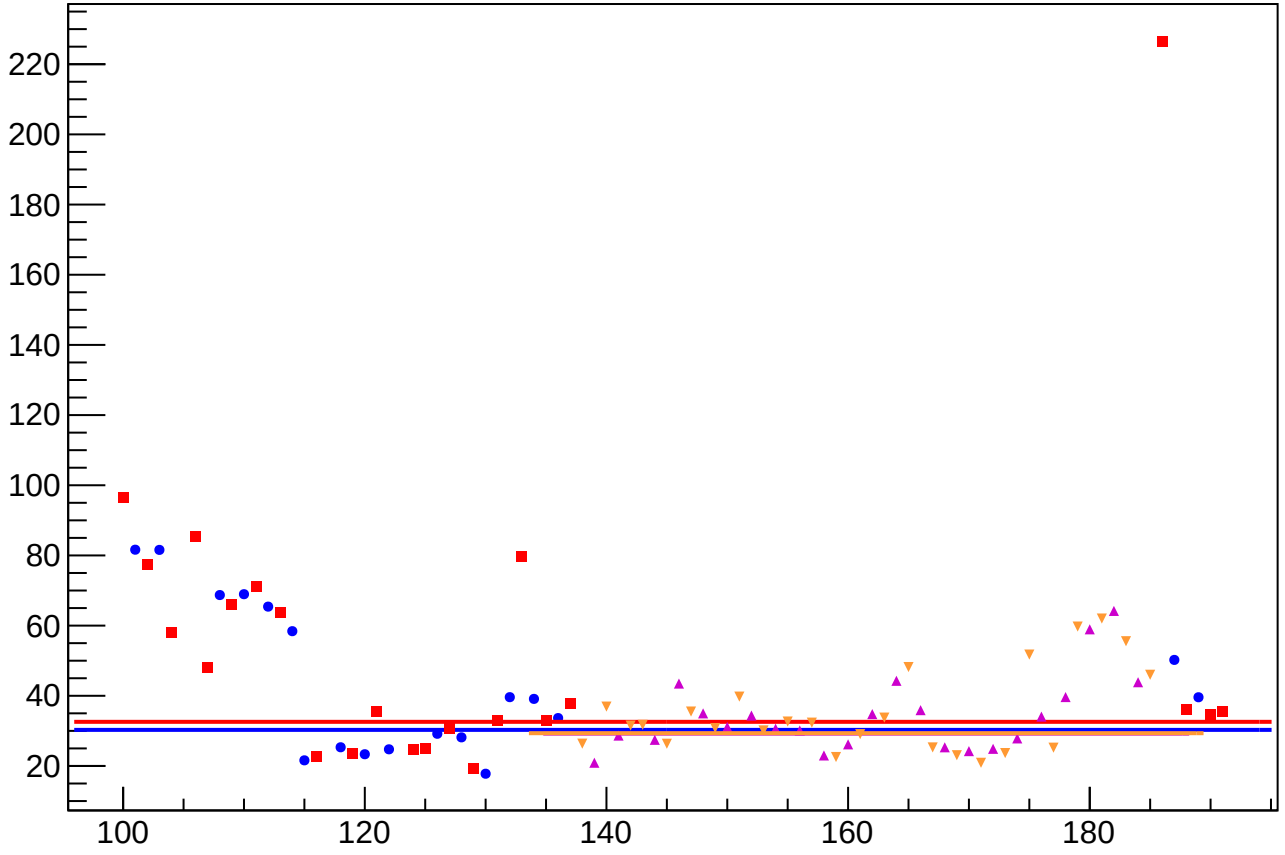
Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.007+/-0.006 χ^2/NDF: 47.5/42

All: 0.002+/-0.004 χ^2/NDF: 95.6/88

- sign -0.002+/-0.006 χ^2/NDF: 47.2/45

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

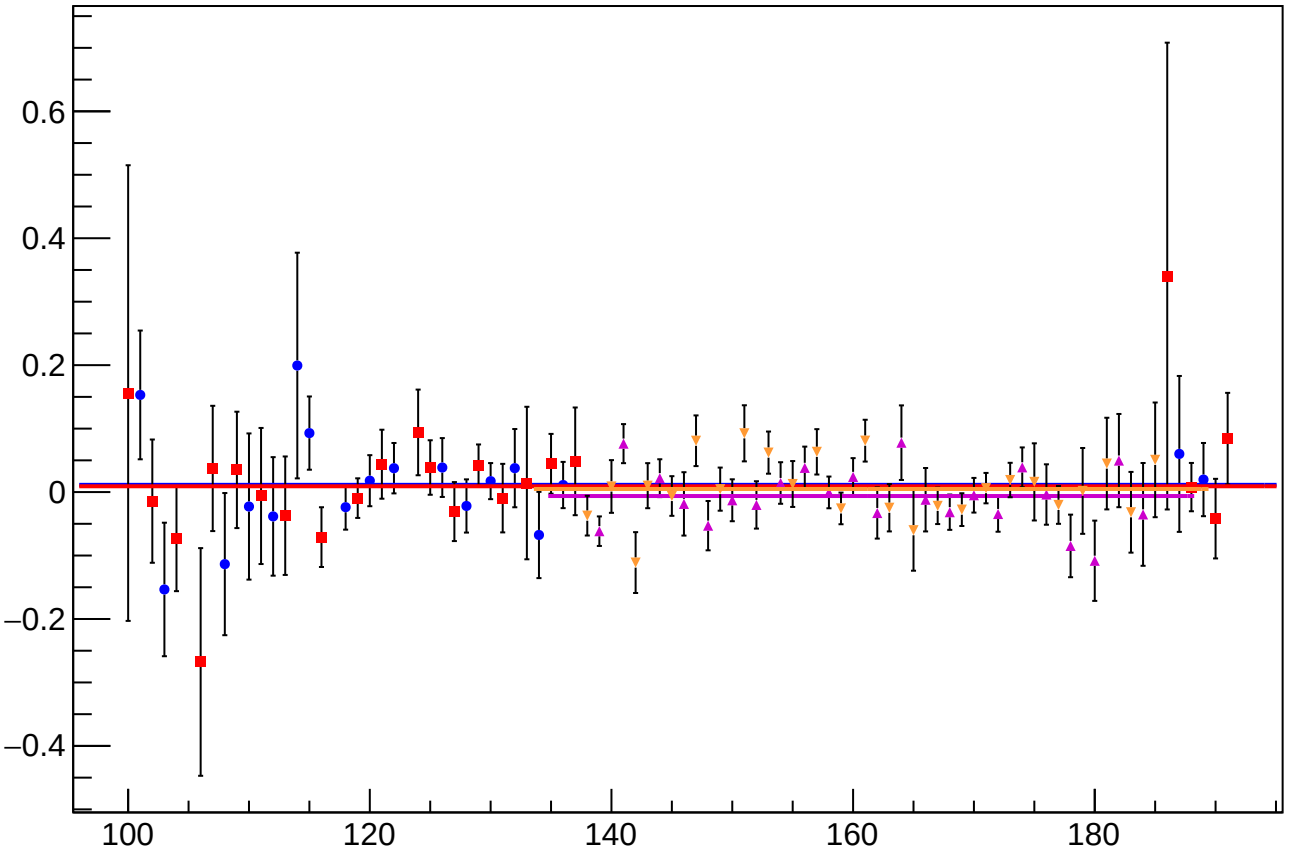
Right Out: 32.579+/-0.009 χ^2/NDF: 3238142.0/22

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

+ sign 29.577+/-0.004 χ^2/NDF: 5254616.3/42

All: 29.843+/-0.003 χ^2/NDF: 10711101.5/88

- sign 30.116+/-0.004 χ^2/NDF: 5448894.0/45



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: 15.0/22

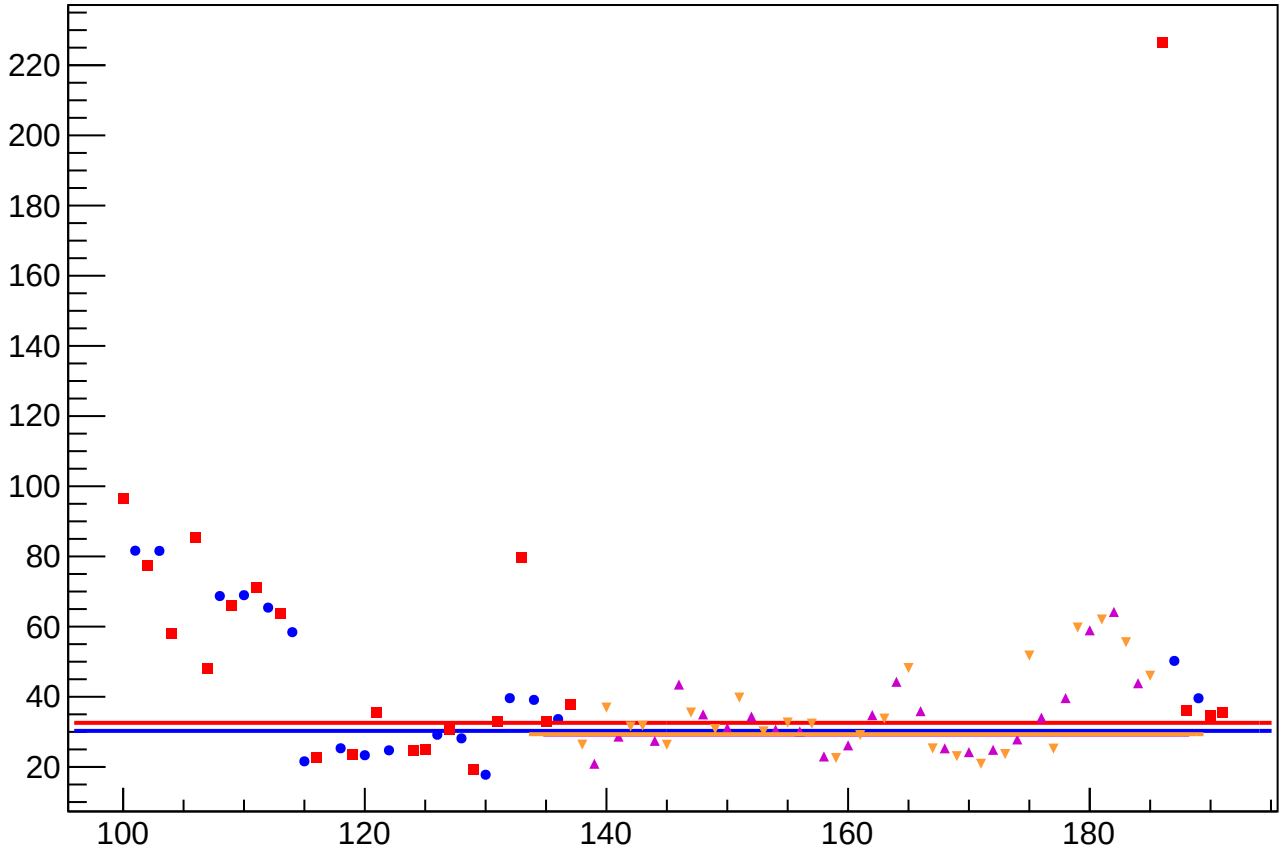
Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.007+/-0.006 χ^2/NDF: 47.5/42

All: 0.002+/-0.004 χ^2/NDF: 95.6/88

- sign -0.002+/-0.006 χ^2/NDF: 47.2/45

asym_sam_1526_avg_dit_vs_eigen_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

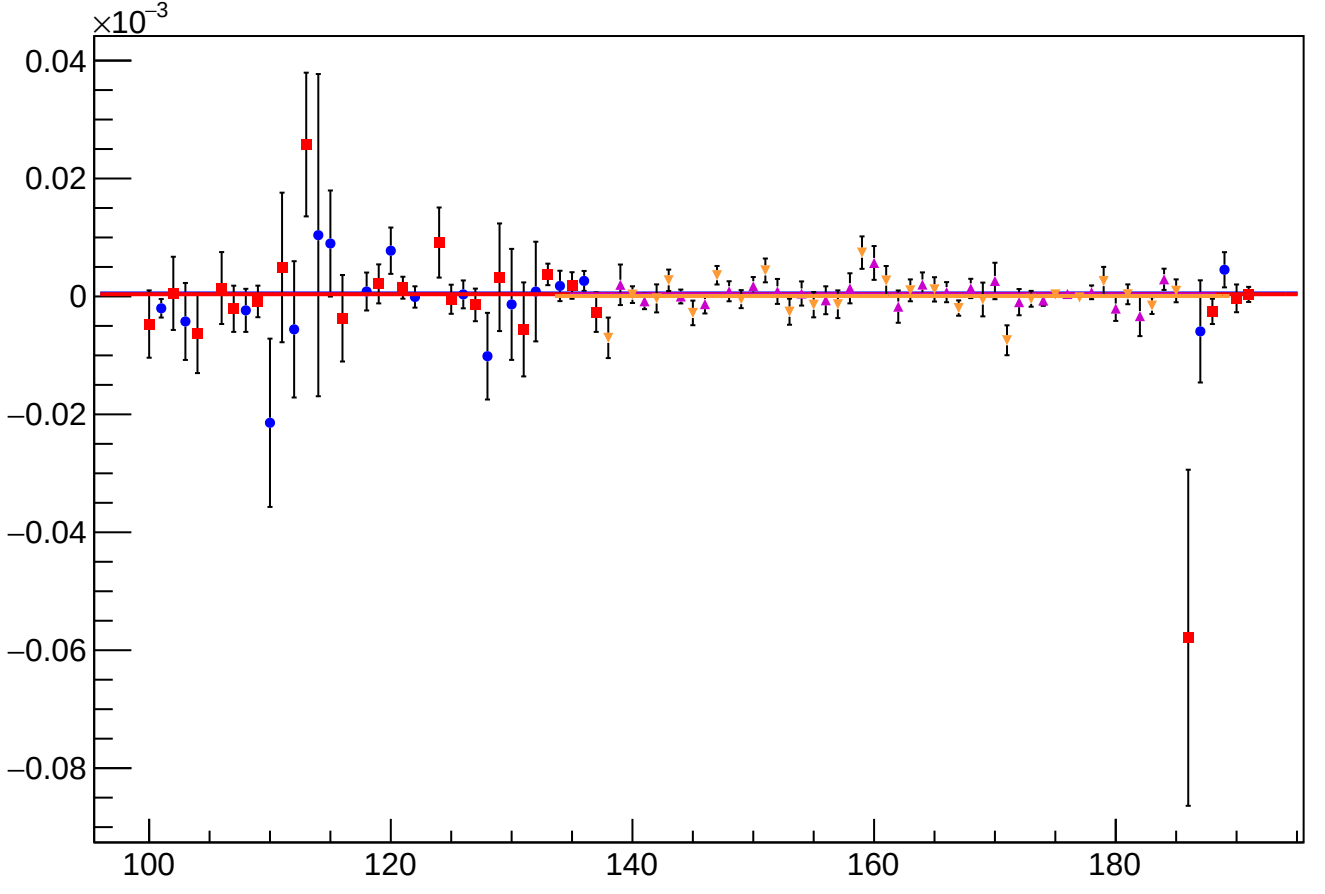
Right Out: 32.579+/-0.009 χ^2/NDF: 3238142.0/22

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

+ sign 29.577+/-0.004 χ^2/NDF: 5254616.3/42

All: 29.843+/-0.003 χ^2/NDF: 10711101.5/88

- sign 30.116+/-0.004 χ^2/NDF: 5448894.0/45



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: 21.9/22

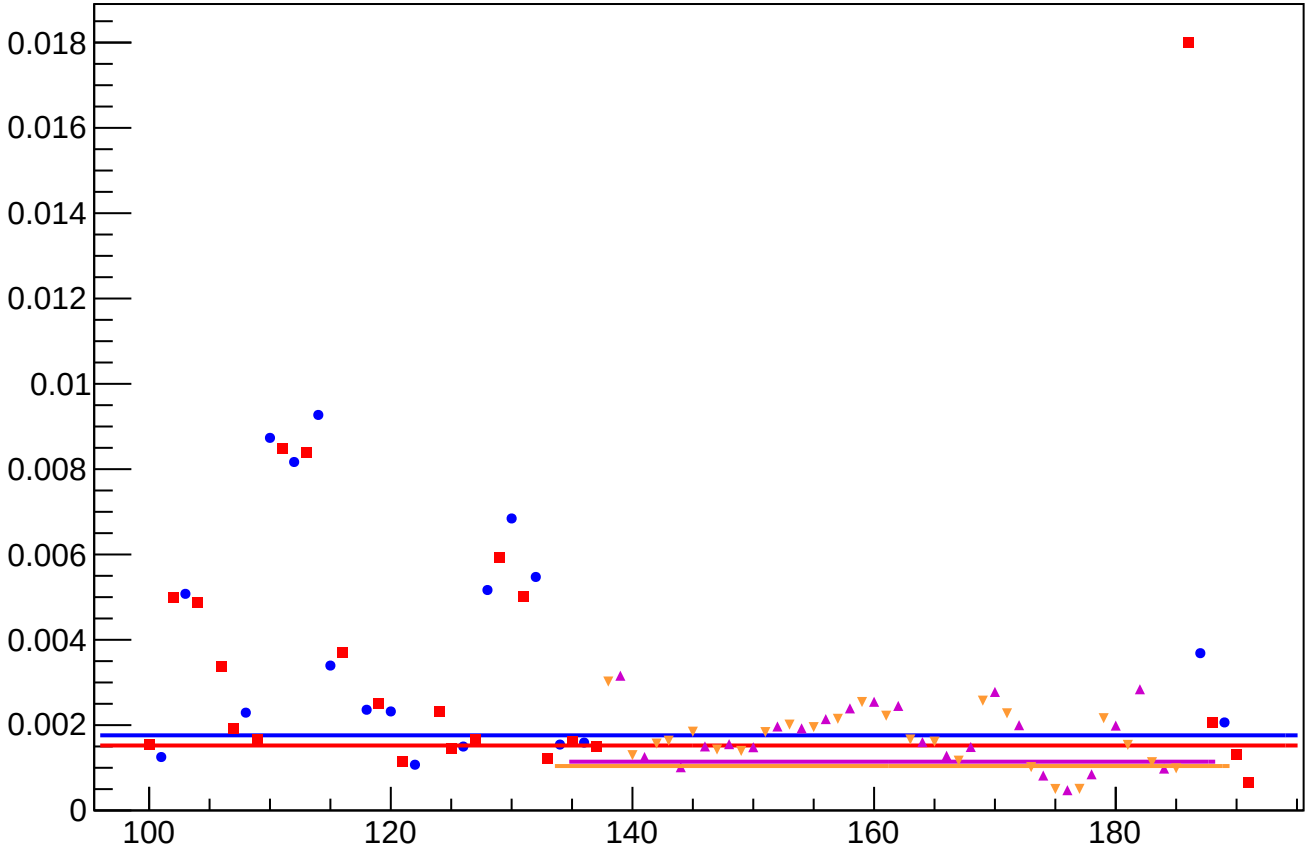
Left In: 0.000+/-0.000 χ^2/NDF:15.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 61.3/42

All: 0.000+/-0.000 χ^2/NDF: 98.9/88

- sign 0.000+/-0.000 χ^2/NDF: 37.4/45

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 4055656.5/17

Left Out: 0.001+/-0.000 χ^2/NDF:9825407.0/24

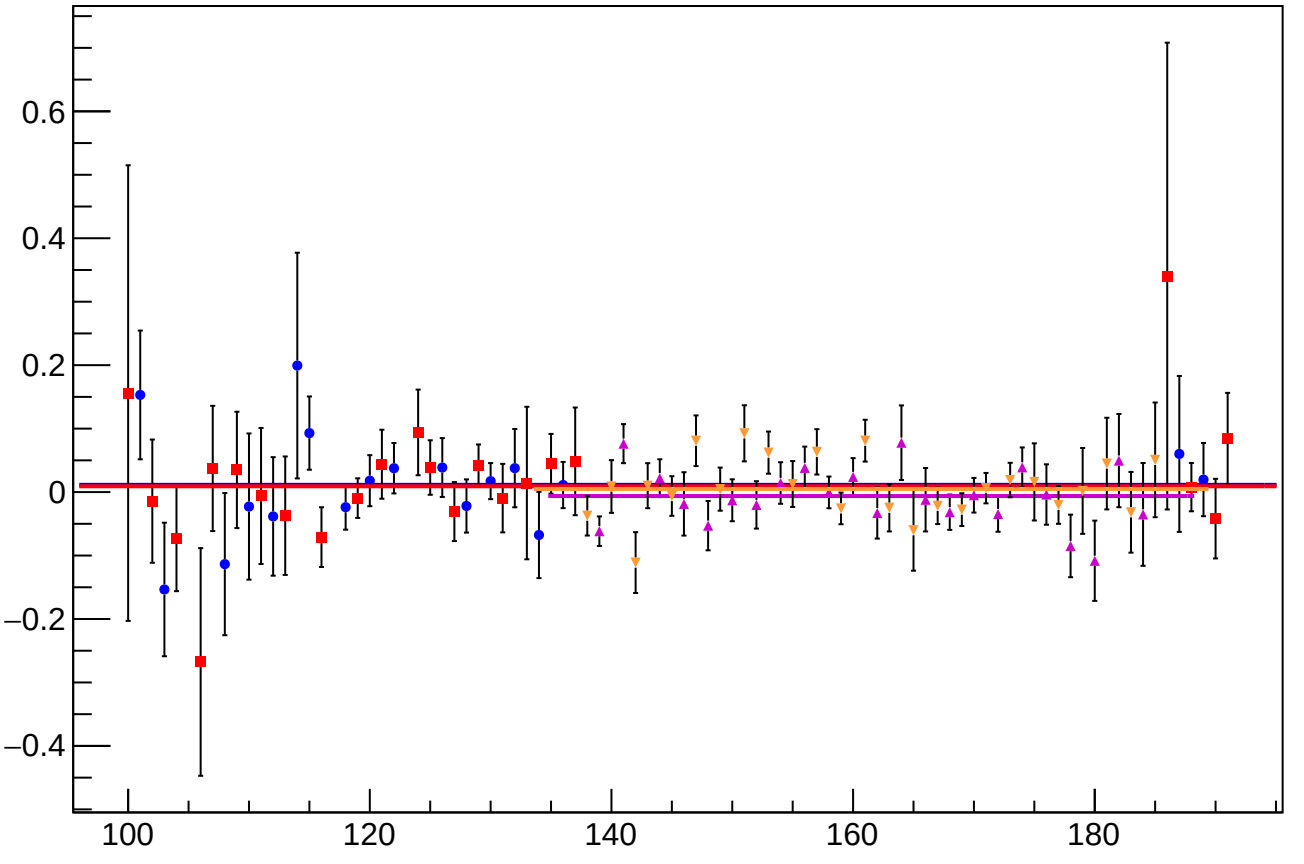
Right Out: 0.002+/-0.000 χ^2/NDF: 5698987.4/22

Left In: 0.001+/-0.000 χ^2/NDF:8291862.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 15555110.2/42

All: 0.001+/-0.000 χ^2/NDF: 30267400.0/88

- sign 0.001+/-0.000 χ^2/NDF: 14601919.7/45



Right In: 0.011+/-0.012 χ^2/NDF: 13.3/17

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

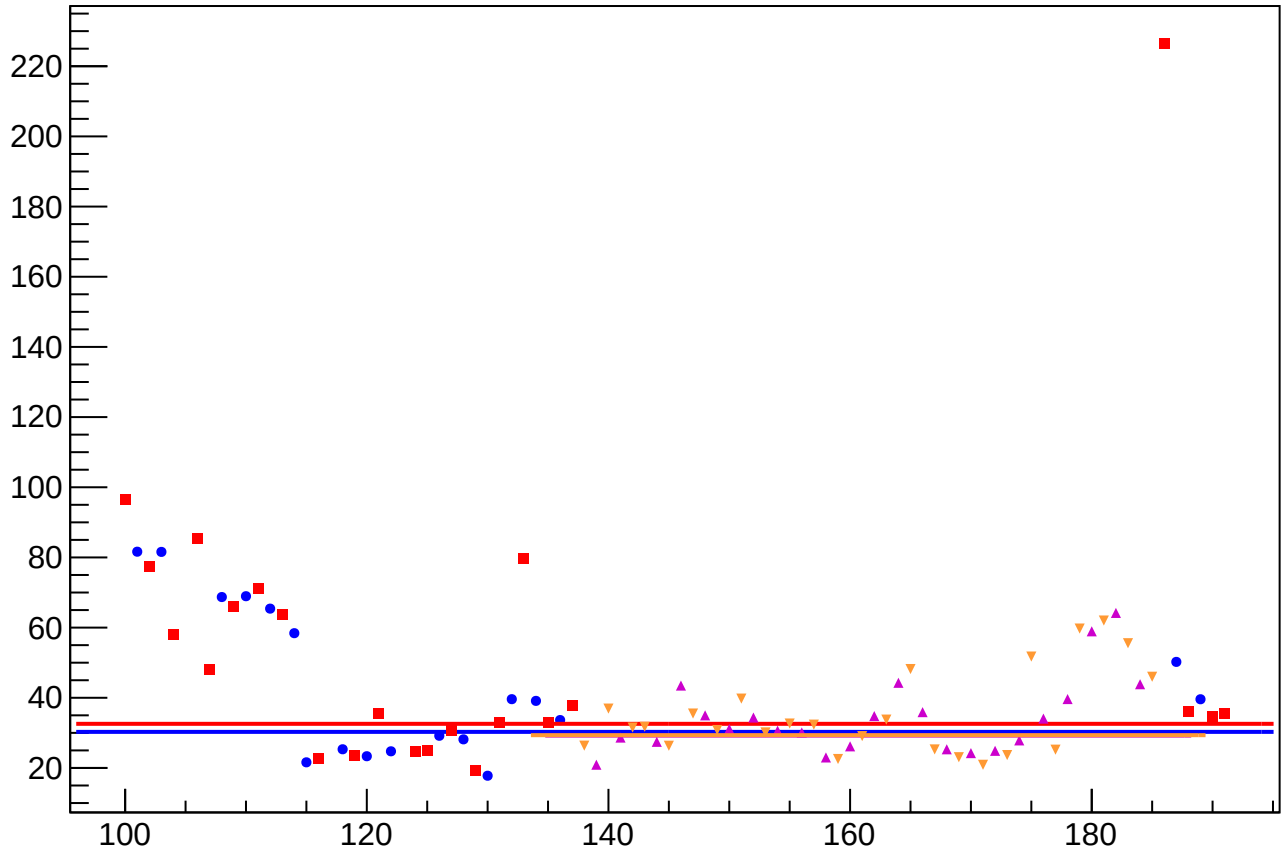
Right Out: 0.009+/-0.012 χ^2/NDF: 15.0/22

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: 95.6/88

- sign -0.002+/-0.006 χ^2/NDF: 47.2/45



Right In: 30.282+/-0.009 χ^2/NDF: 2558722.2/17

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

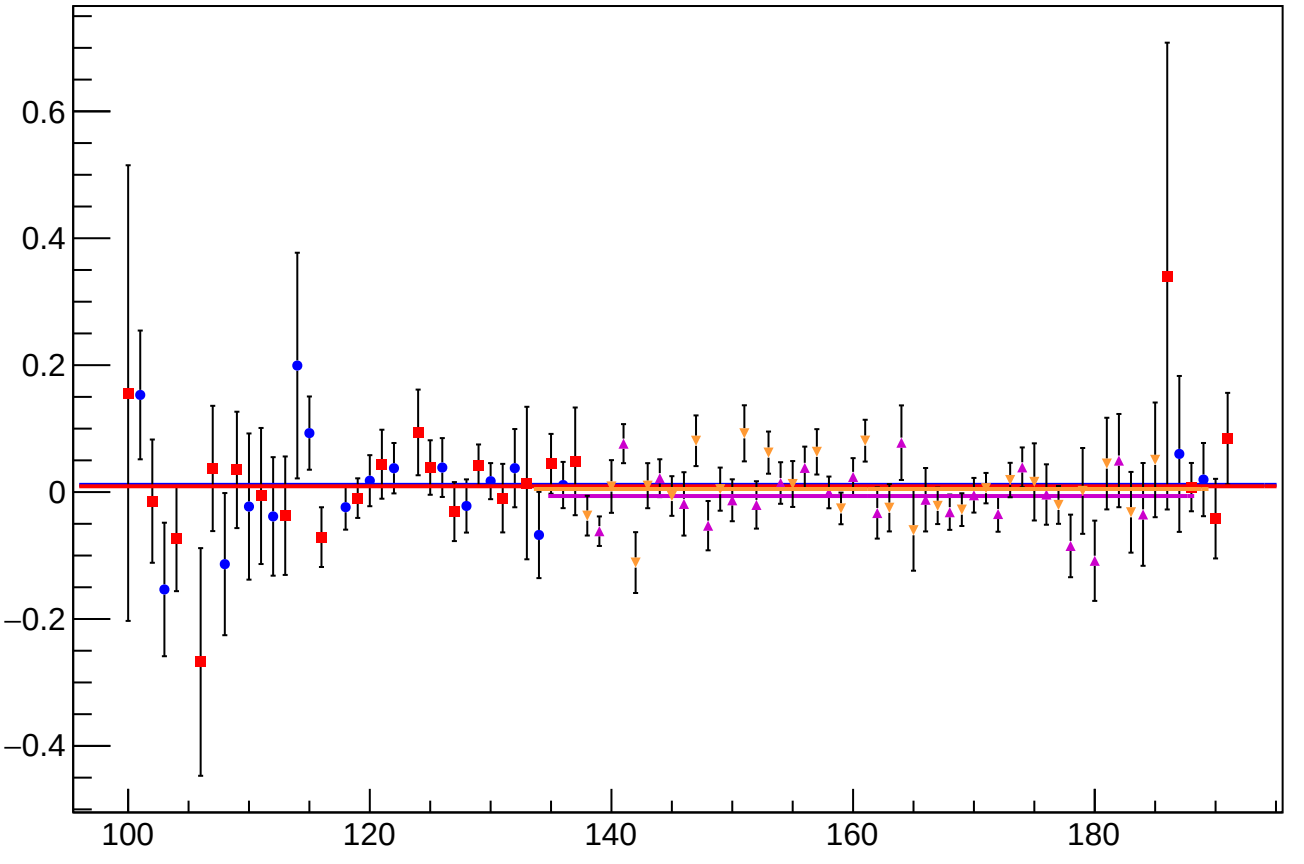
Right Out: 32.578+/-0.009 χ^2/NDF: 3238342.0/22

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

+ sign 29.577+/-0.004 χ^2/NDF: 5254867.4/42

All: 29.843+/-0.003 χ^2/NDF: 10711427.9/88

- sign 30.116+/-0.004 χ^2/NDF: 5448963.1/45



Right In: 0.011+/-0.012 χ^2/NDF: 13.3/17

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

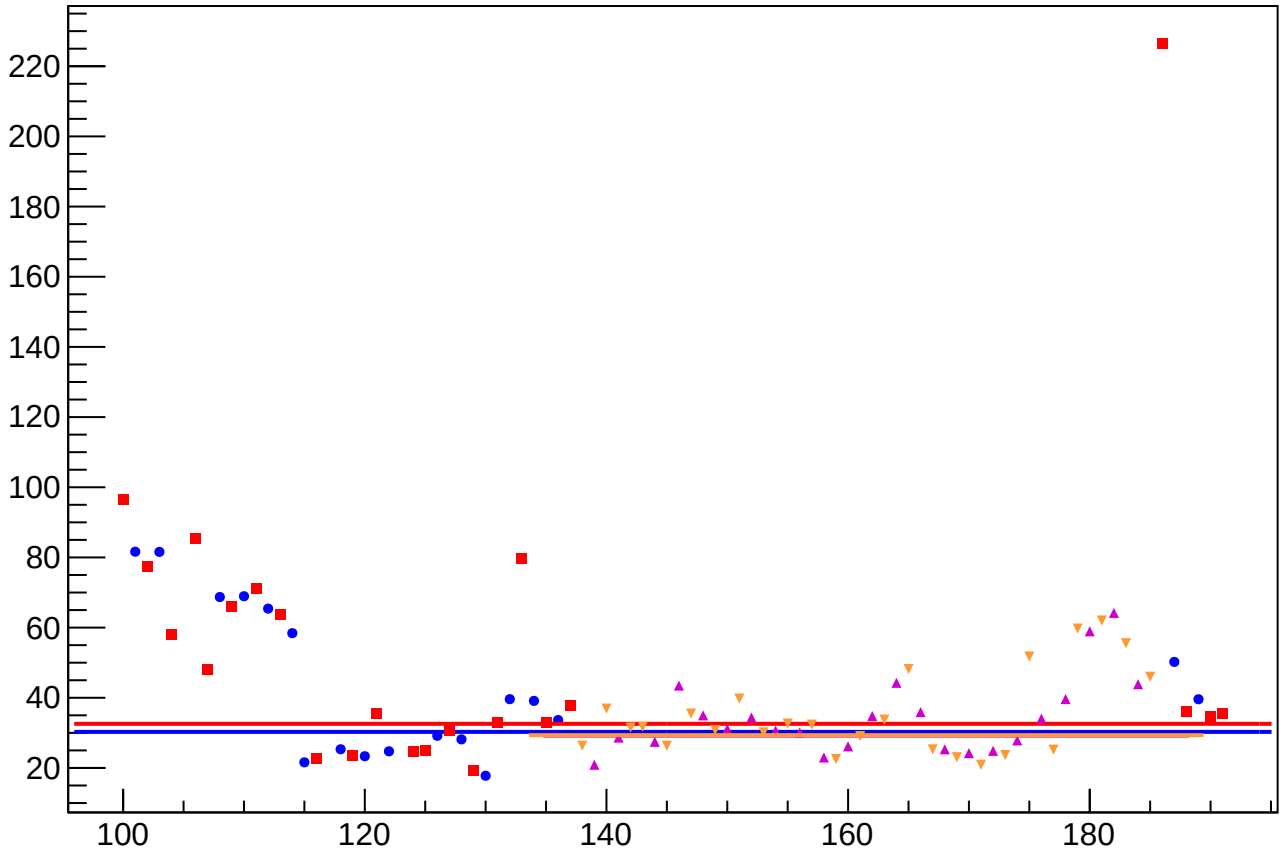
Right Out: 0.009+/-0.012 χ^2/NDF: 15.0/22

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: 95.6/88

- sign -0.002+/-0.006 χ^2/NDF: 47.2/45



Right In: 30.282+/-0.009 χ^2/NDF: 2558722.2/17

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

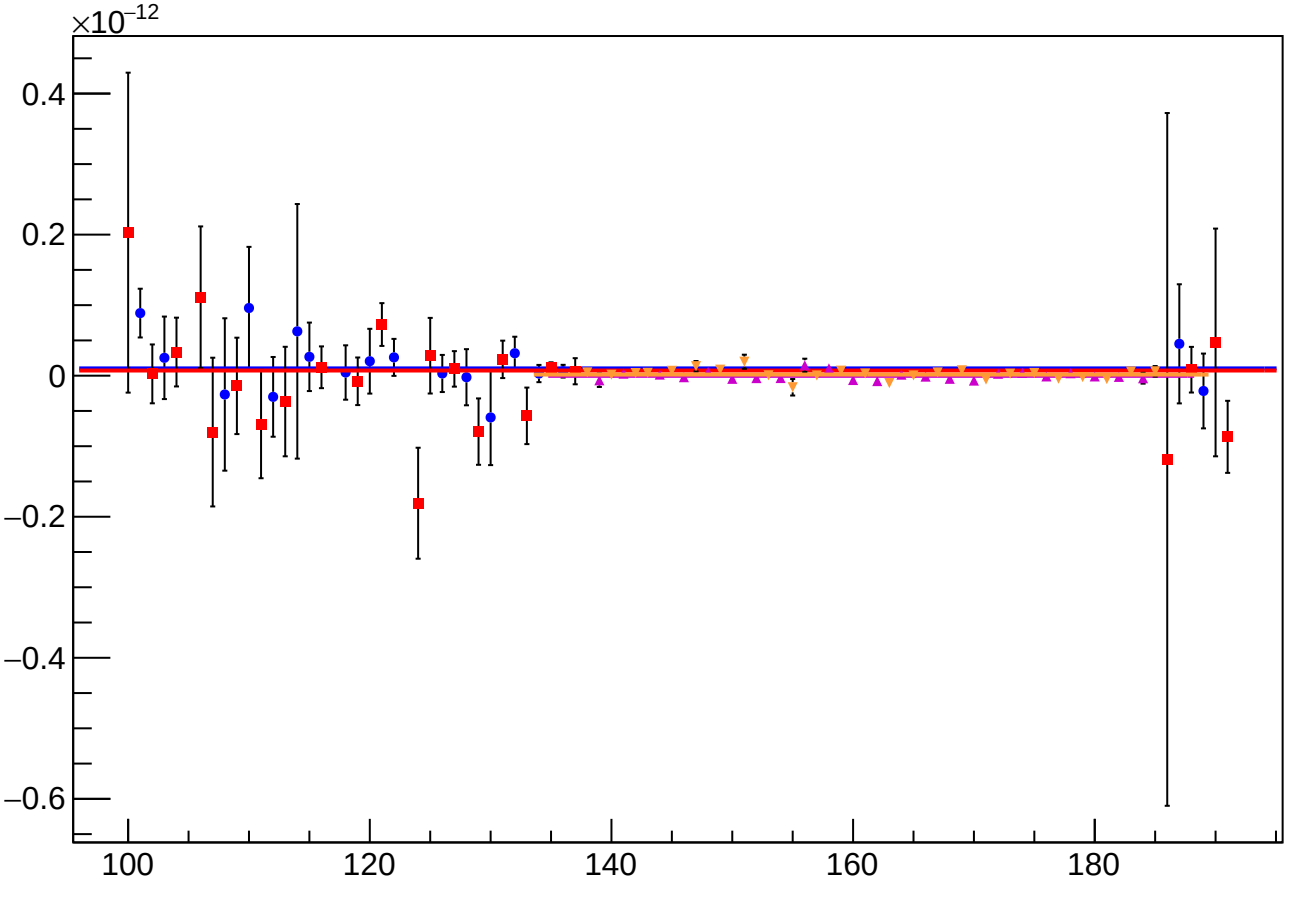
Right Out: 32.578+/-0.009 χ^2/NDF: 3238342.0/22

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

+ sign 29.577+/-0.004 χ^2/NDF: 5254867.4/42

All: 29.843+/-0.003 χ^2/NDF: 10711427.9/88

- sign 30.116+/-0.004 χ^2/NDF: 5448963.1/45



Right In: 0.000+/-0.000 χ^2/NDF: 10.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:35.0/24

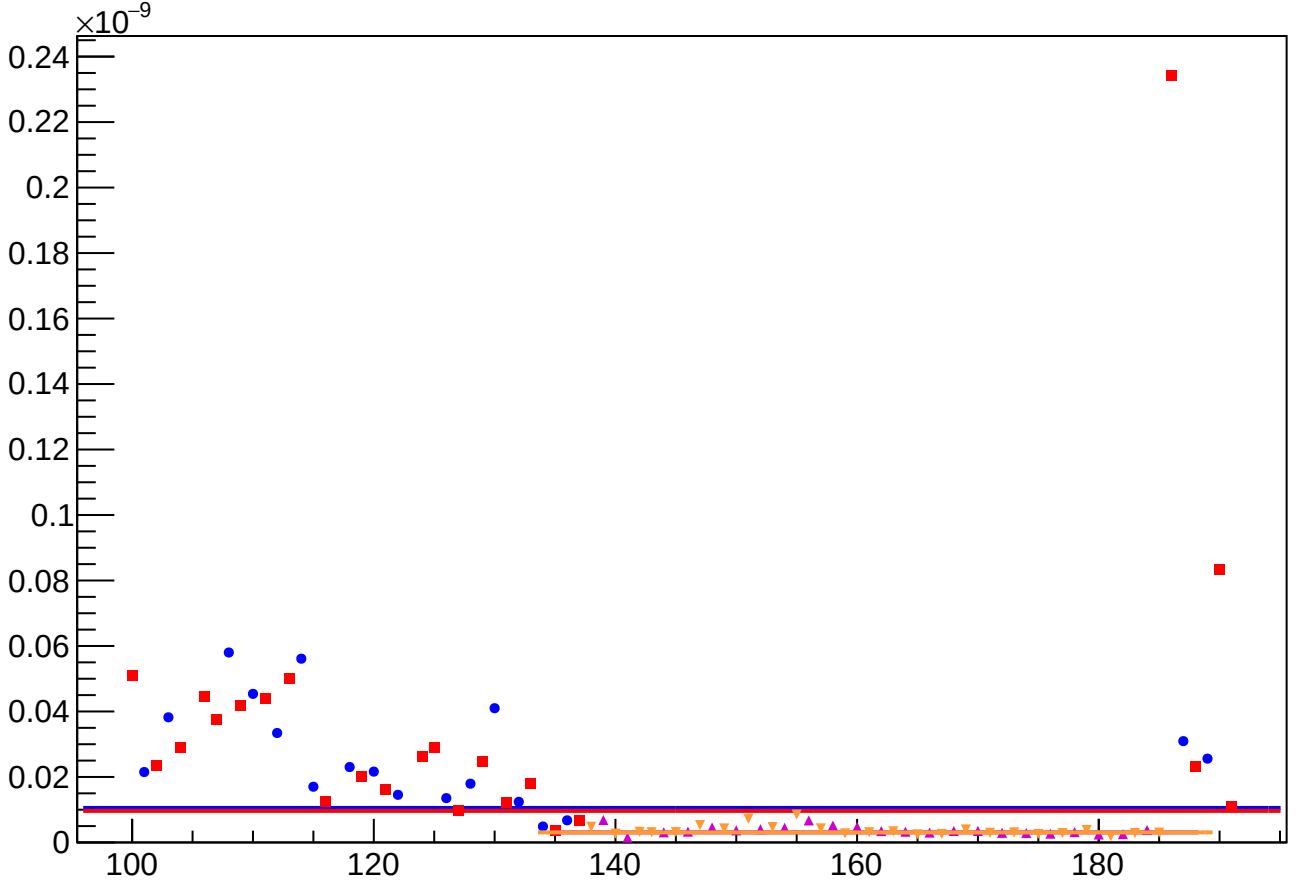
Right Out: 0.000+/-0.000 χ^2/NDF: 25.0/22

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: 94.8/88

- sign -0.000+/-0.000 χ^2/NDF: 45.2/45



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: 5716681.2/22

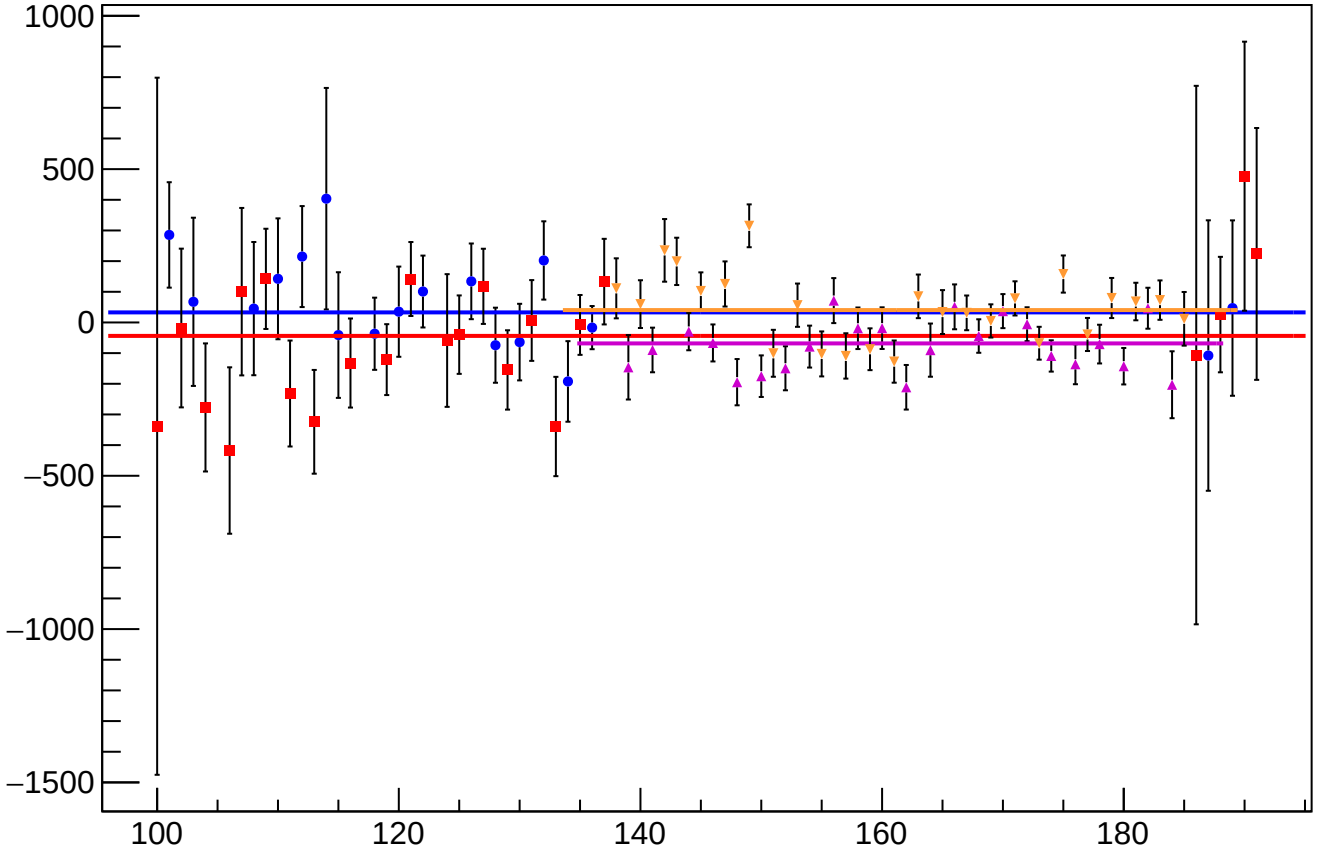
Left In: 0.000+/-0.000 χ^2/NDF:2149738.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 8894111.0/42

All: 0.000+/-0.000 χ^2/NDF: 19264529.1/88

- sign 0.000+/-0.000 χ^2/NDF: 10370417.9/45

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: -43.839+/-34.022 χ^2/NDF: 21.6/22

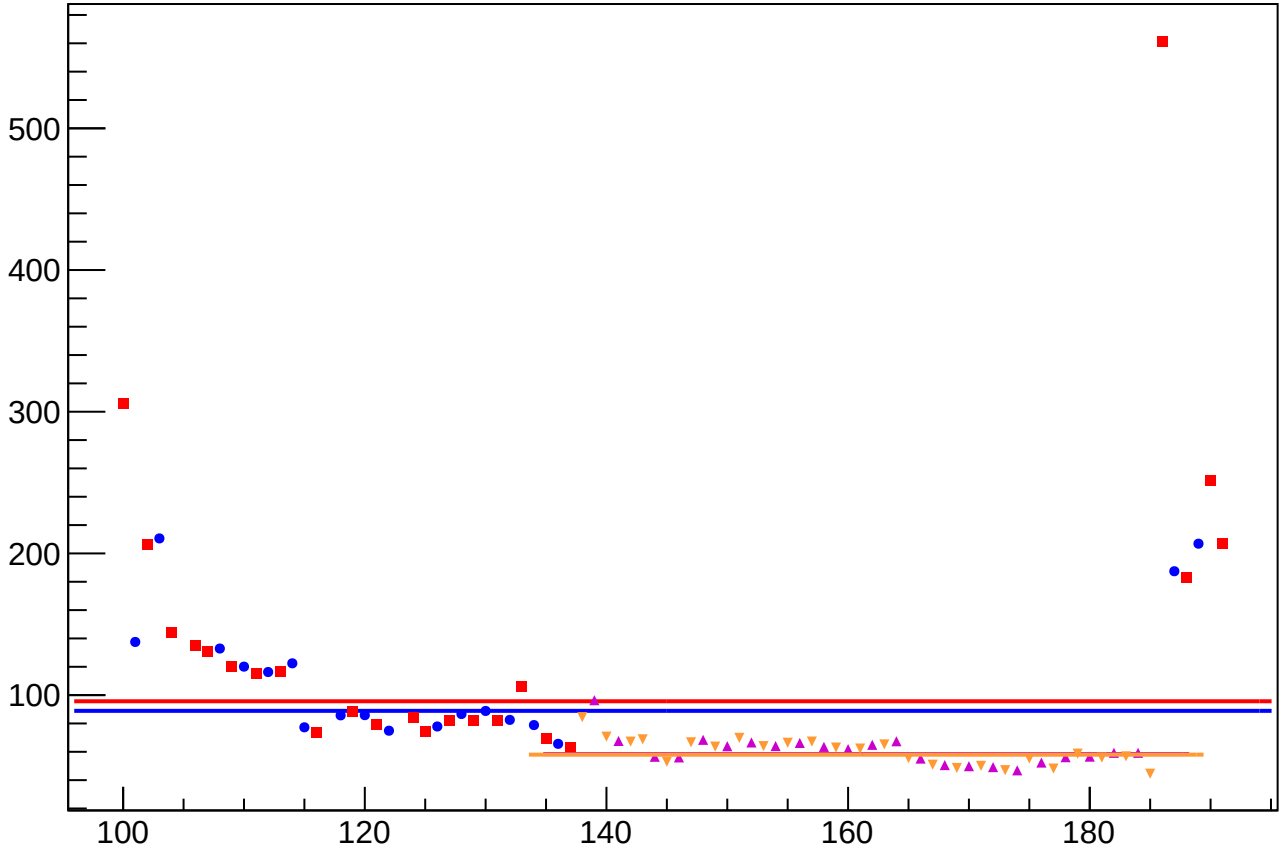
Left In: -68.344+/-13.866 χ^2/NDF:31.8/22

+ sign 39.304+/-12.446 χ^2/NDF: 72.4/42

All: -11.148+/-8.937 χ^2/NDF: 160.1/88

- sign -64.853+/-12.841 χ^2/NDF: 53.8/45

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

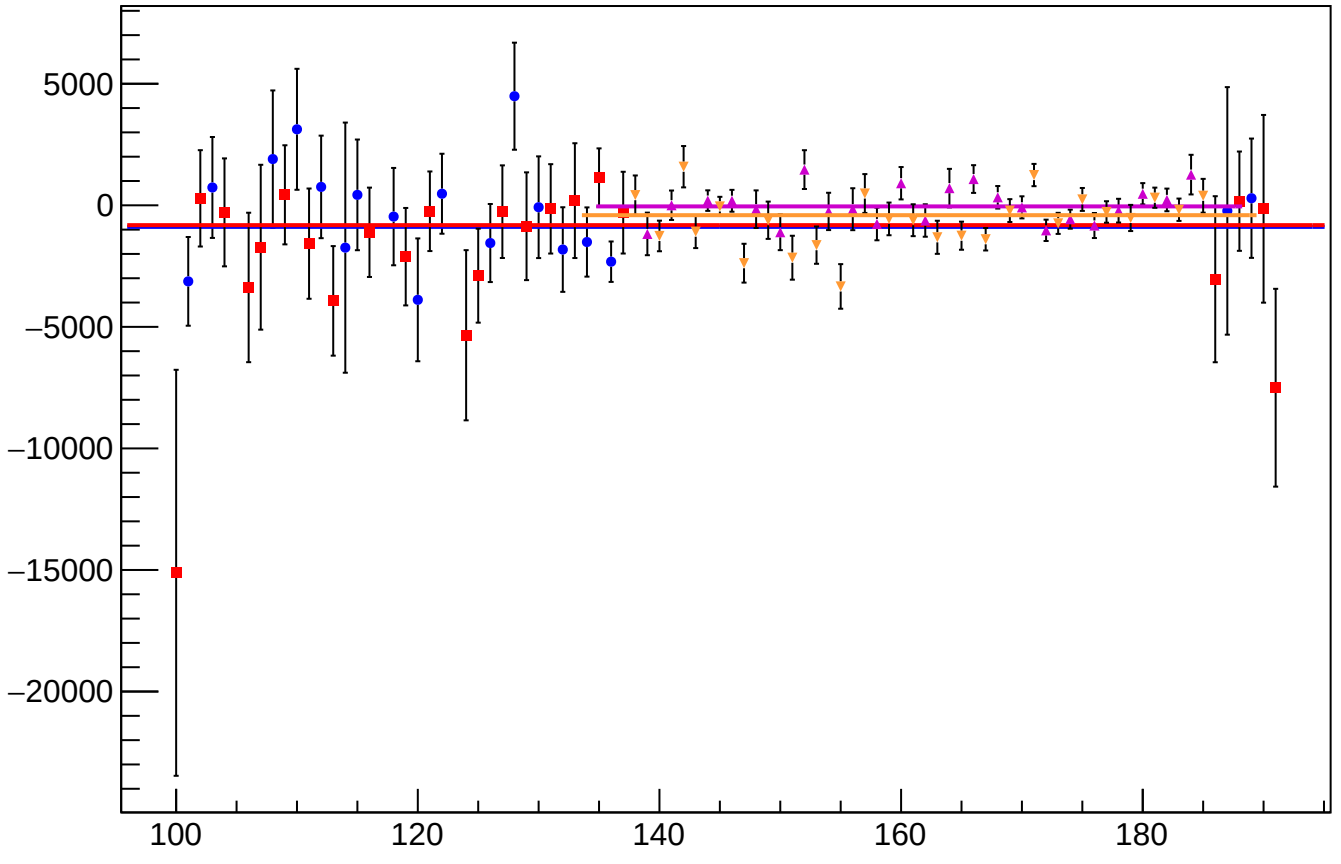
Right Out: 95.670+/-0.024 χ^2/NDF: 2593363.8/22

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 62.249+/-0.009 χ^2/NDF: 3759211.7/42

All: 62.955+/-0.006 χ^2/NDF: 9159731.2/88

- sign 63.706+/-0.009 χ^2/NDF: 5387239.3/45



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: -815.808+/-446.295 χ^2/NDF: 16.4/22

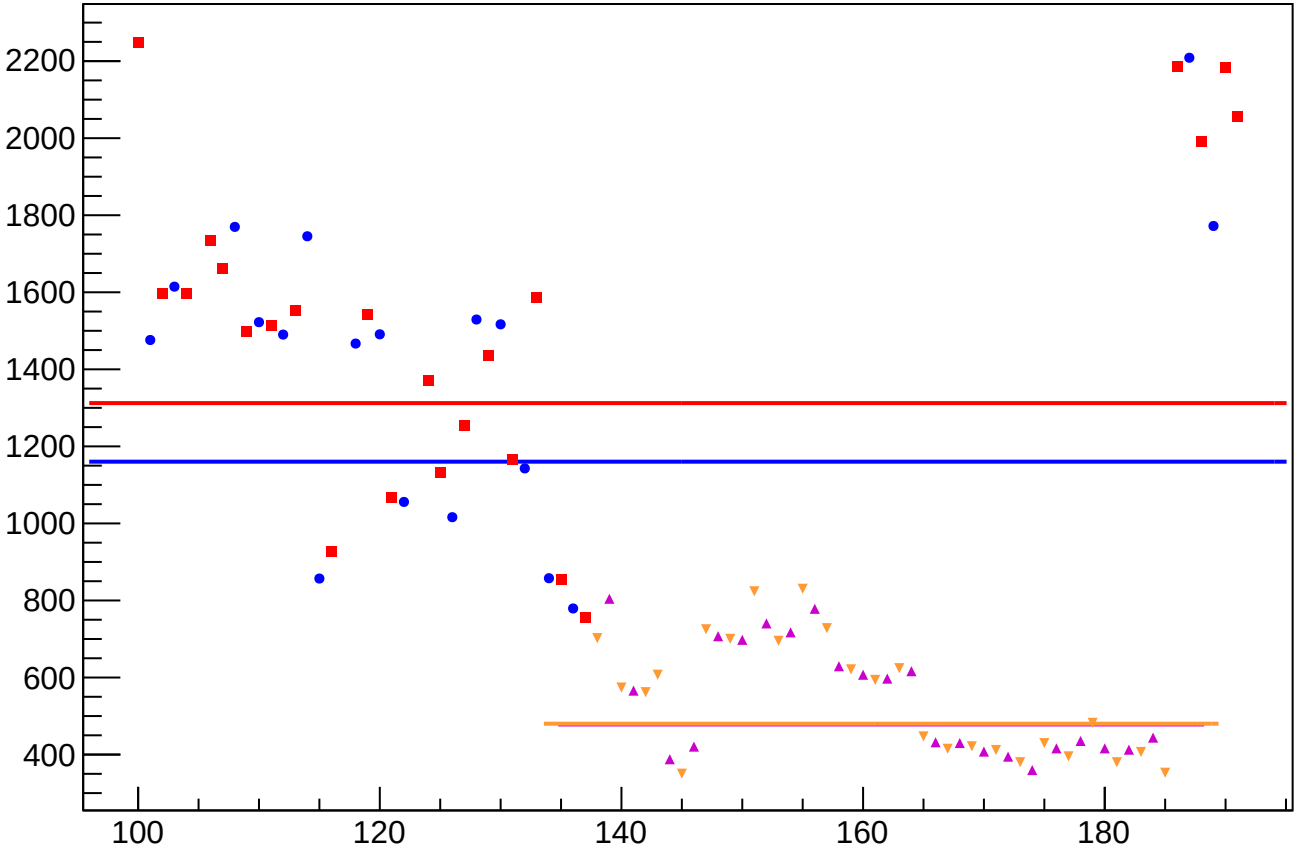
Left In: -44.831+/-115.765 χ^2/NDF:31.1/22

+ sign -437.282+/-109.751 χ^2/NDF: 83.1/42

All: -268.932+/-78.408 χ^2/NDF: 138.2/88

- sign -93.435+/-112.057 χ^2/NDF: 50.3/45

asym_sam_3726_avg_reg_correction_rms vs Slug



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: 1312.353+/-0.316 χ^2/NDF: 1468199.6/22

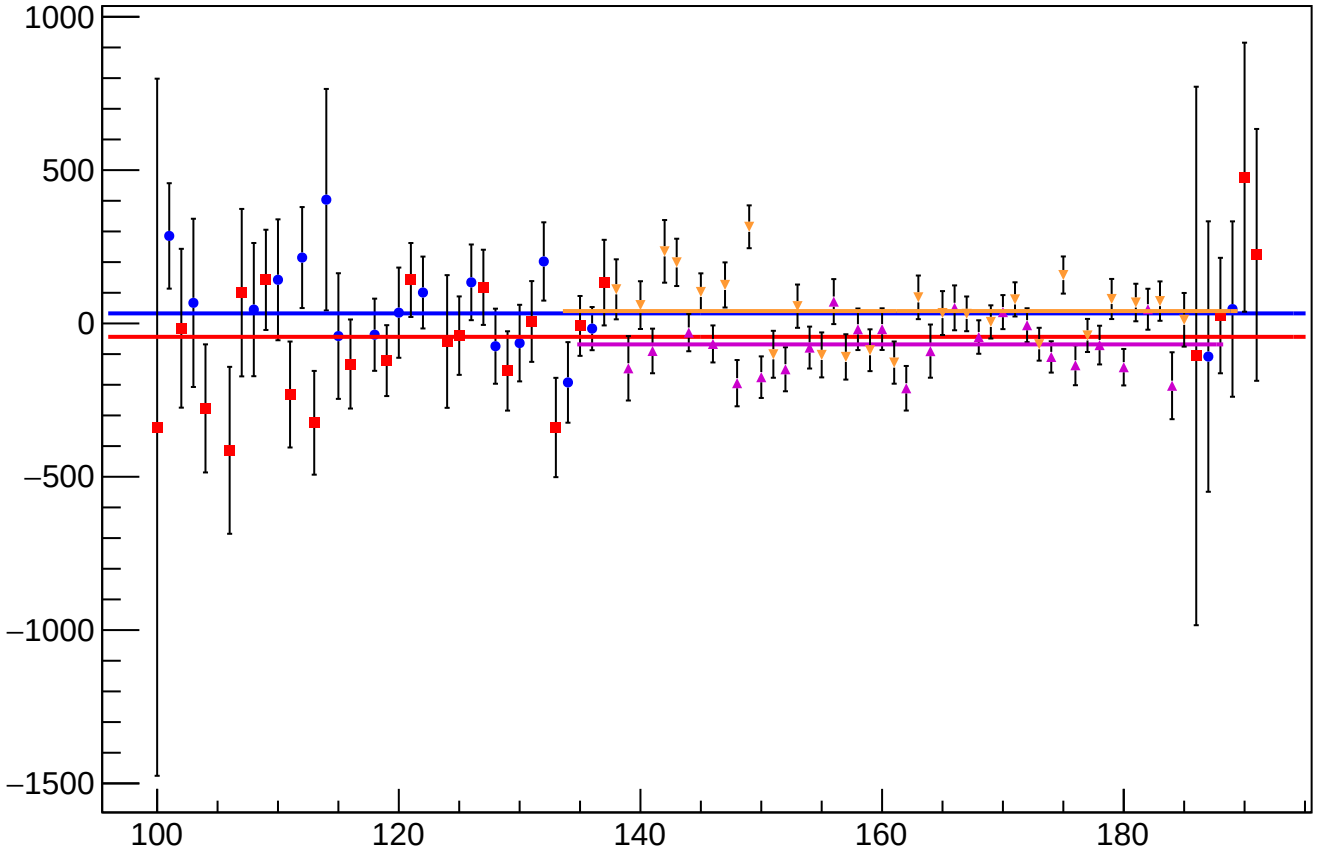
Left In: 478.084+/-0.082 χ^2/NDF:2215520.4/22

+ sign 523.984+/-0.078 χ^2/NDF: 8553285.5/42

All: 527.261+/-0.055 χ^2/NDF: 18788782.5/88

- sign 530.677+/-0.079 χ^2/NDF: 10231854.7/45

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: -43.696+/-34.024 χ^2/NDF: 21.5/22

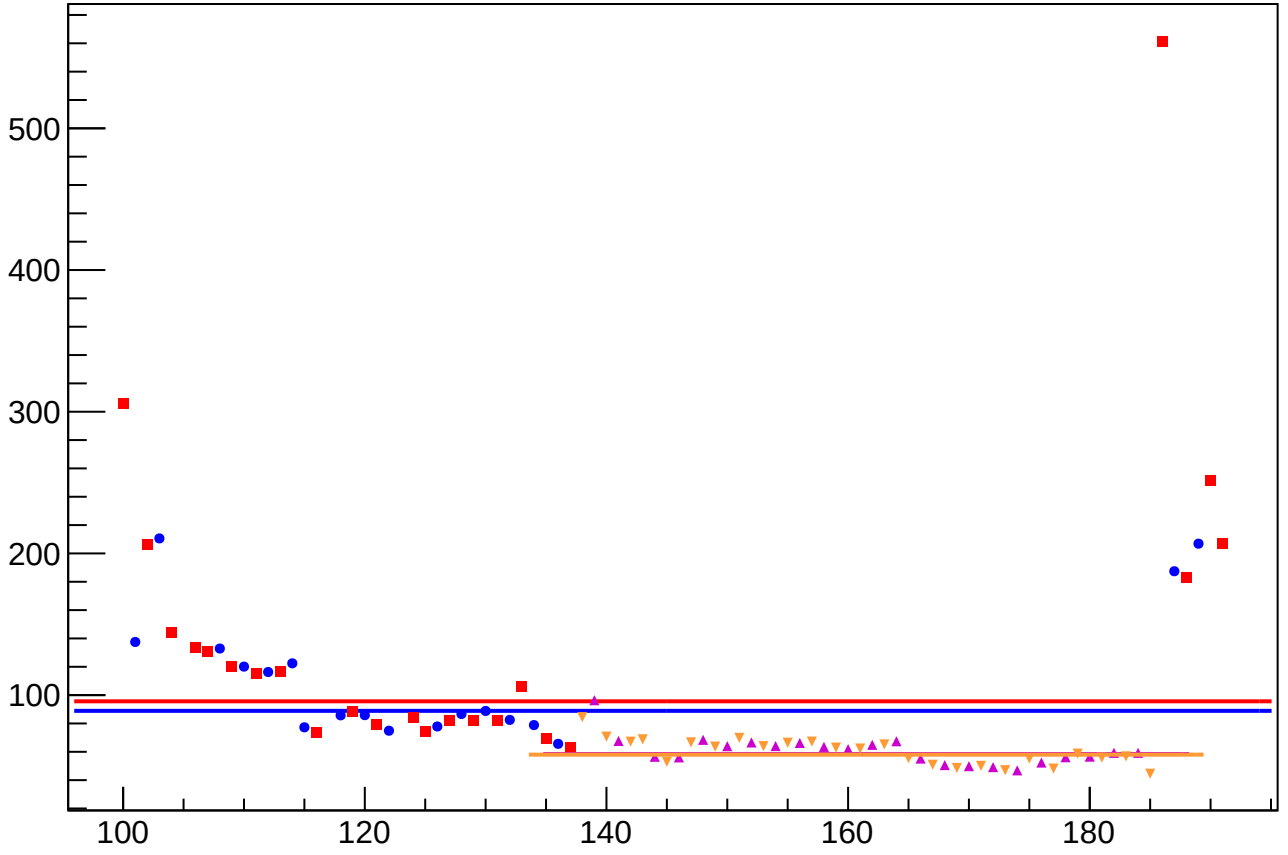
Left In: -68.343+/-13.866 χ^2/NDF:31.7/22

+ sign 39.304+/-12.446 χ^2/NDF: 72.4/42

All: -11.137+/-8.937 χ^2/NDF: 160.0/88

- sign -64.832+/-12.841 χ^2/NDF: 53.7/45

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

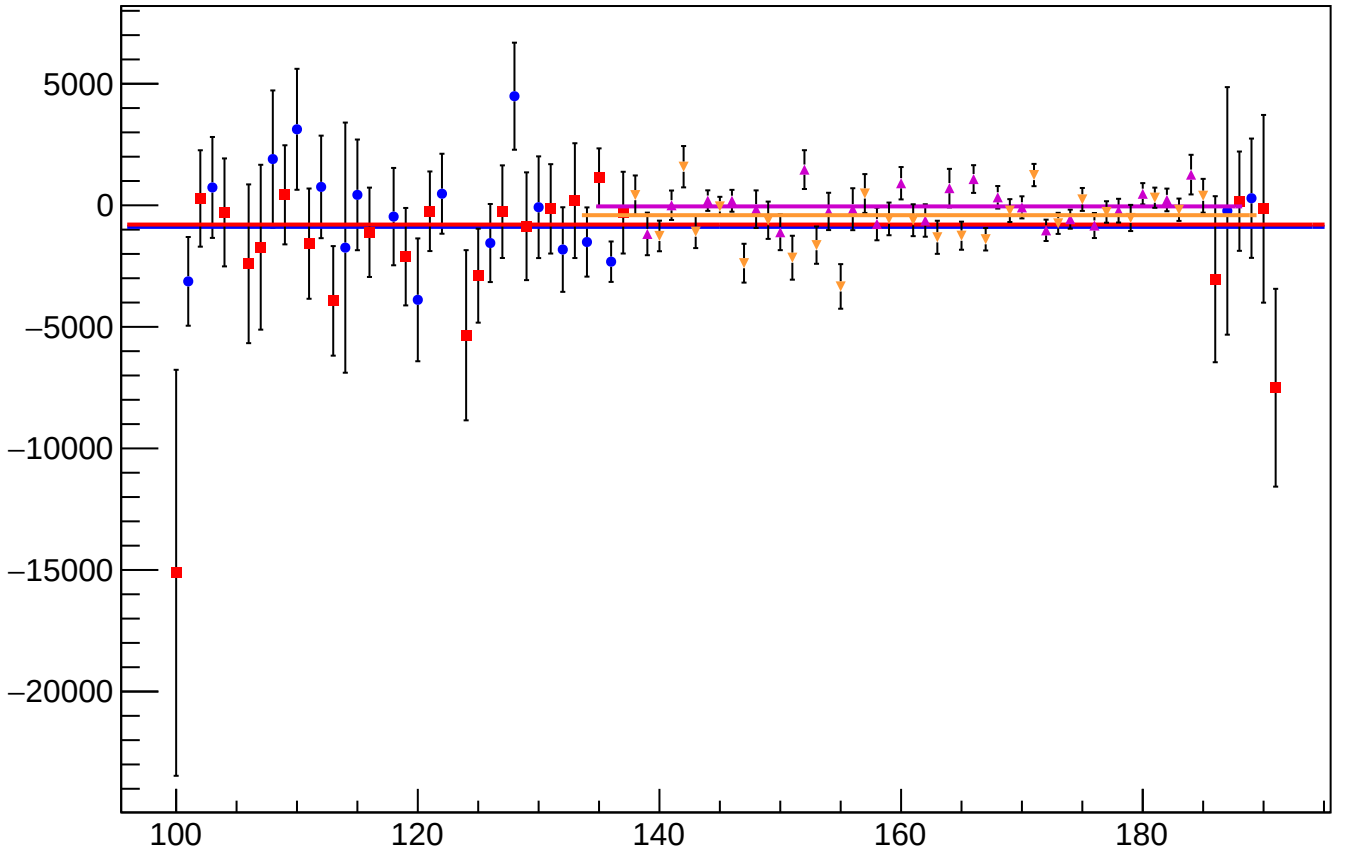
Right Out: 95.636+/-0.024 χ^2/NDF: 2589337.8/22

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 62.249+/-0.009 χ^2/NDF: 3759213.9/42

All: 62.952+/-0.006 χ^2/NDF: 9151571.6/88

- sign 63.701+/-0.009 χ^2/NDF: 5379177.3/45



Right In: -886.809+/-432.378 χ^2/NDF: 18.8/17

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

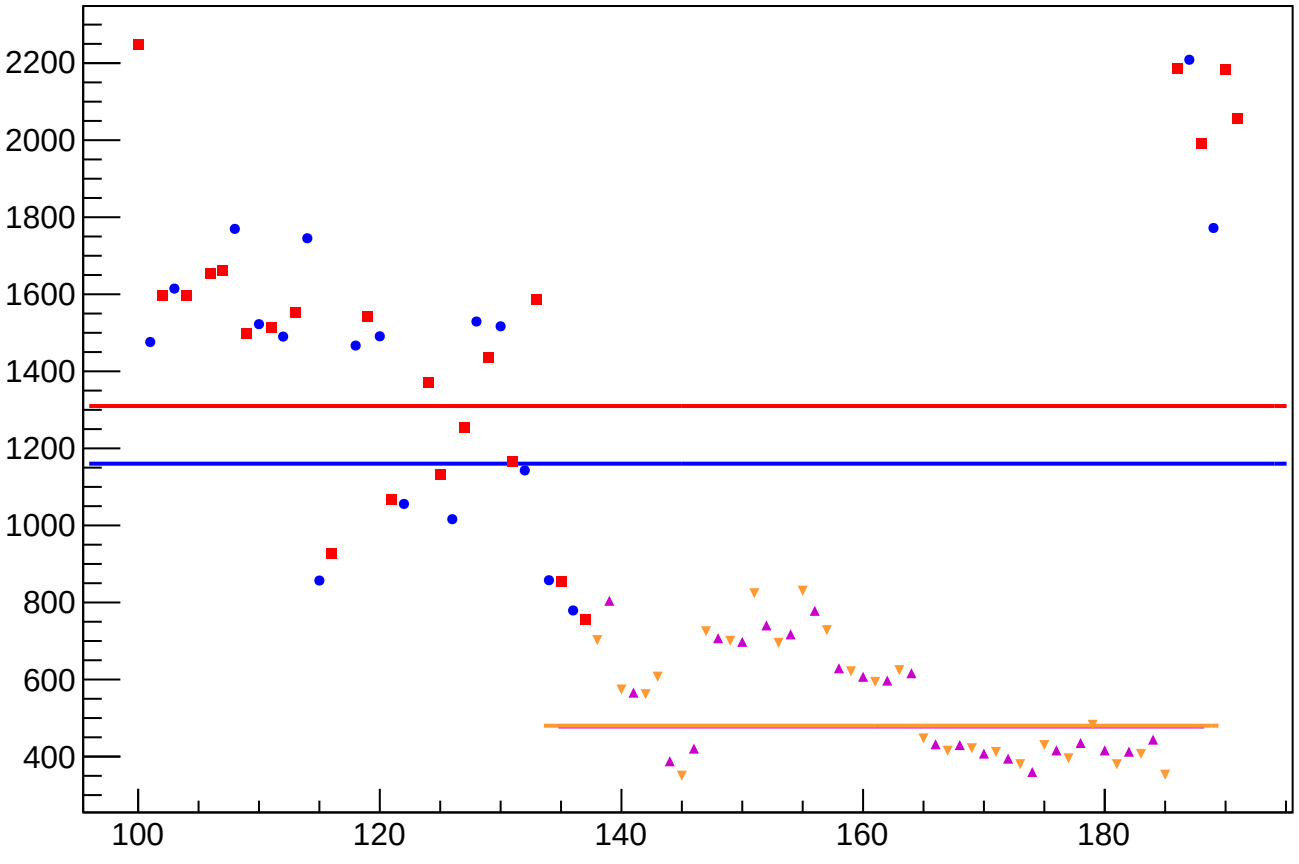
Right Out: -791.781+/-446.849 χ^2/NDF: 15.9/22

Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

+ sign -437.278+/-109.751 χ^2/NDF: 83.1/42

All: -268.148+/-78.411 χ^2/NDF: 137.6/88

- sign -91.810+/-112.065 χ^2/NDF: 49.6/45



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: 1309.917+/-0.316 χ^2/NDF: 1452960.8/22

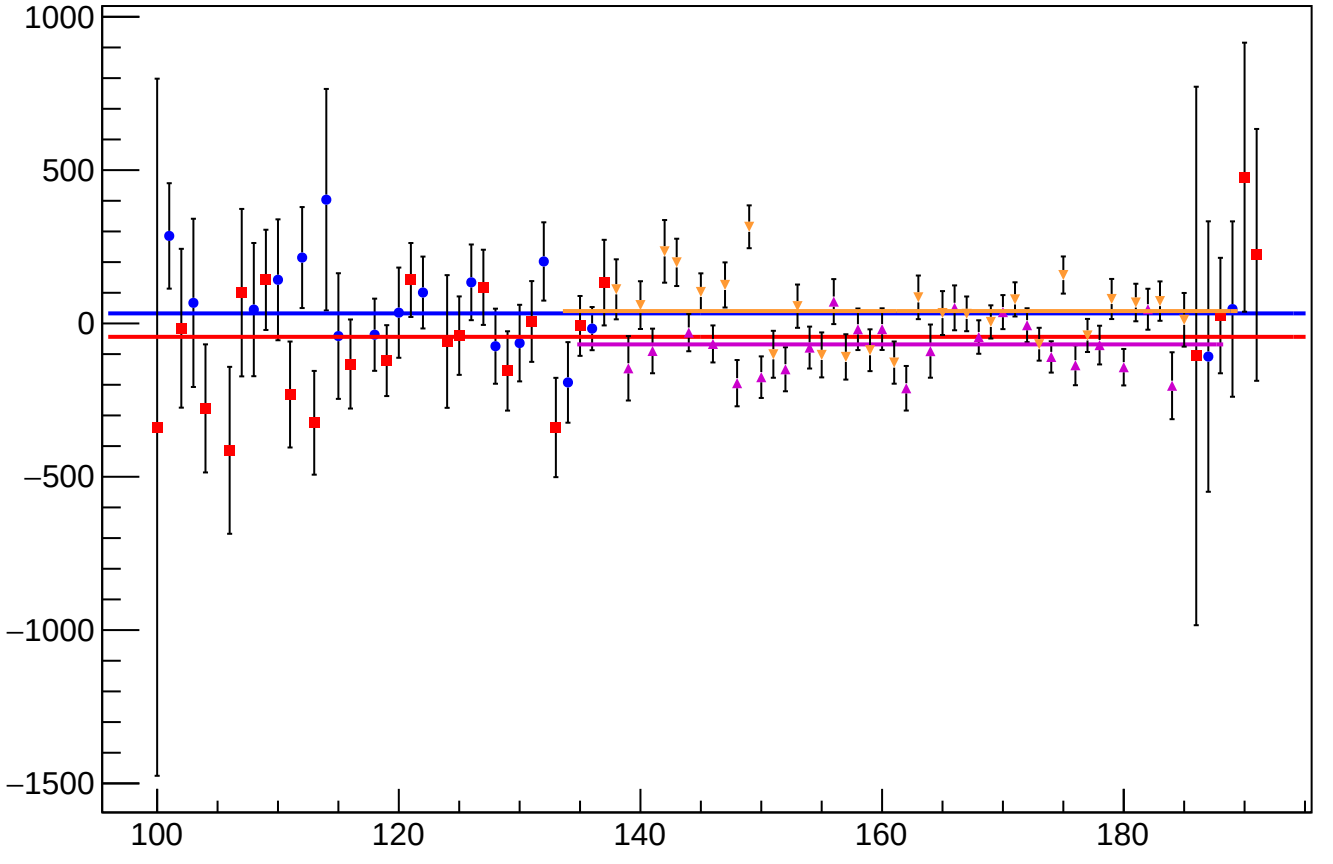
Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

+ sign 523.984+/-0.078 χ^2/NDF: 8553312.1/42

All: 527.126+/-0.055 χ^2/NDF: 18719991.4/88

- sign 530.403+/-0.079 χ^2/NDF: 10163330.2/45

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: -43.696+/-34.024 χ^2/NDF: 21.5/22

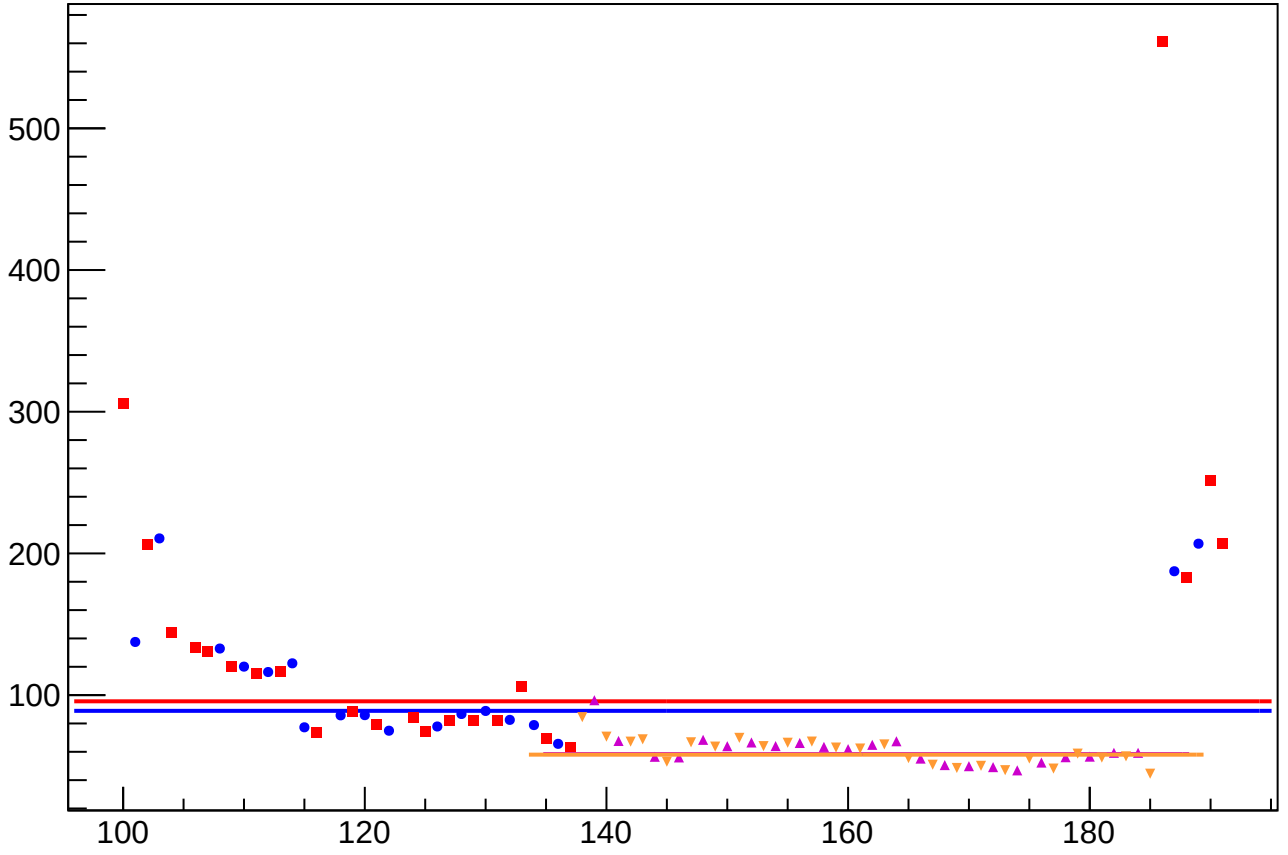
Left In: -68.343+/-13.866 χ^2/NDF:31.7/22

+ sign 39.304+/-12.446 χ^2/NDF: 72.4/42

All: -11.137+/-8.937 χ^2/NDF: 160.0/88

- sign -64.832+/-12.841 χ^2/NDF: 53.7/45

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

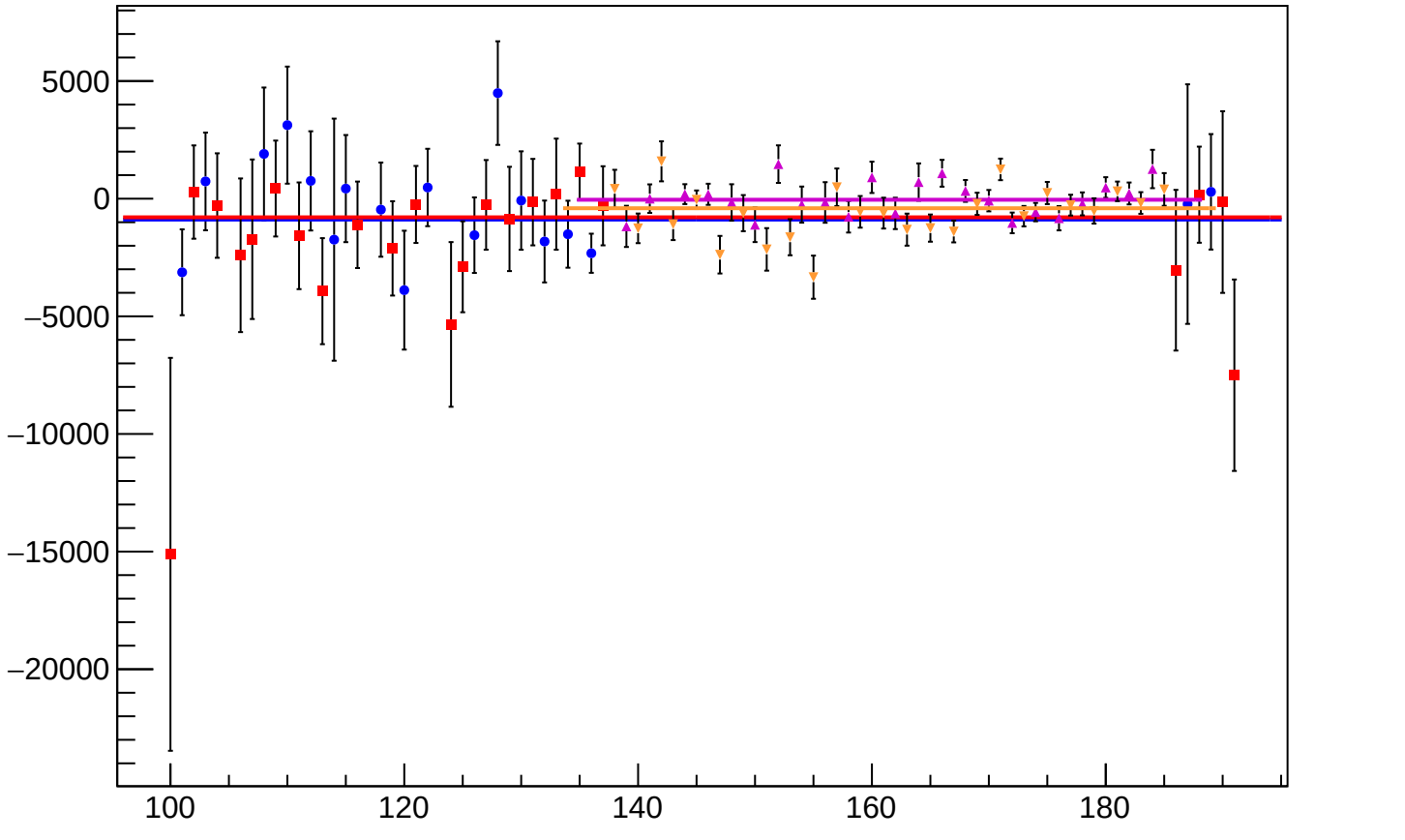
Right Out: 95.636+/-0.024 χ^2/NDF: 2589337.8/22

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 62.249+/-0.009 χ^2/NDF: 3759213.9/42

All: 62.952+/-0.006 χ^2/NDF: 9151571.6/88

- sign 63.701+/-0.009 χ^2/NDF: 5379177.3/45



Right In: -886.809+/-432.378 χ^2/NDF: 18.8/17

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

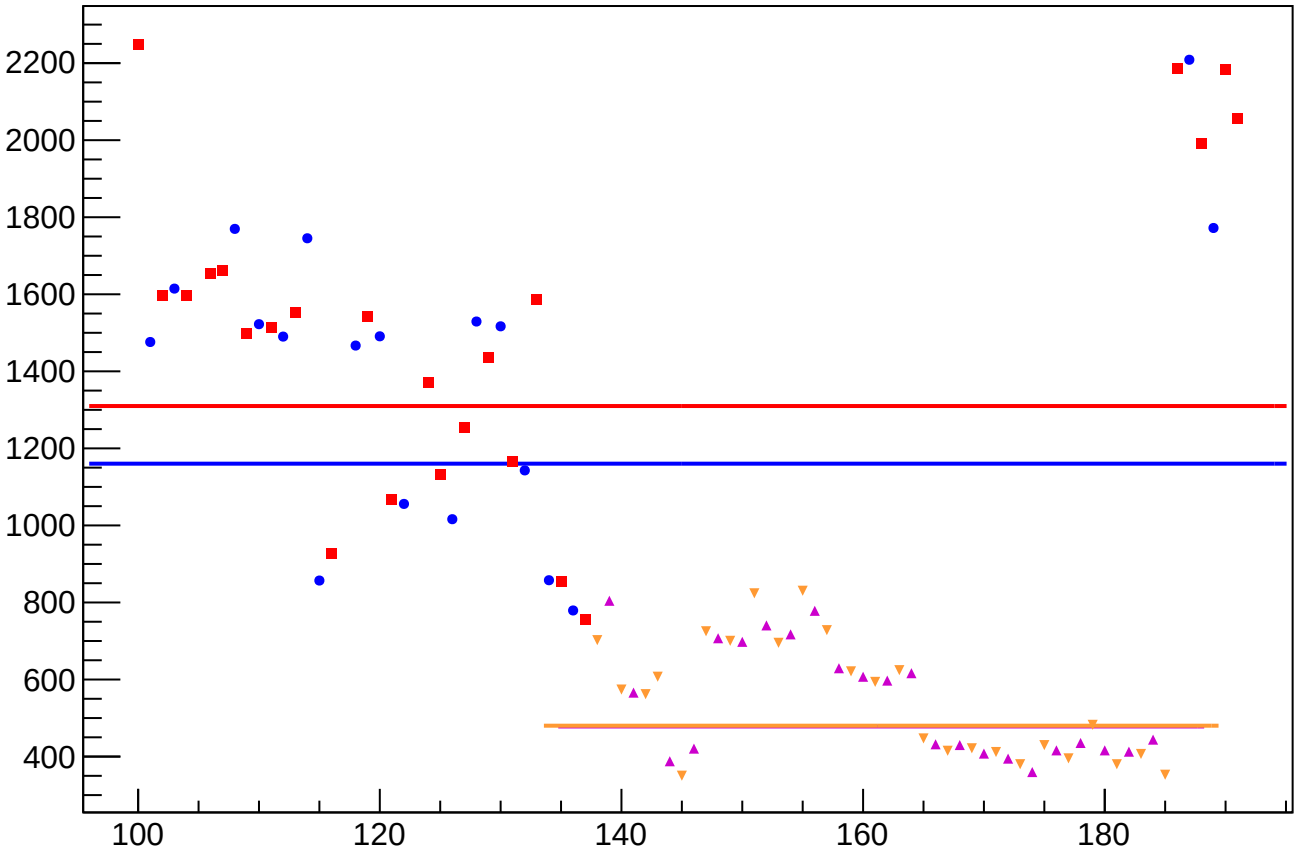
Right Out: -791.781+/-446.849 χ^2/NDF: 15.9/22

Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

+ sign -437.278+/-109.751 χ^2/NDF: 83.1/42

All: -268.148+/-78.411 χ^2/NDF: 137.6/88

- sign -91.810+/-112.065 χ^2/NDF: 49.6/45



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: 1309.917+/-0.316 χ^2/NDF: 1452960.8/22

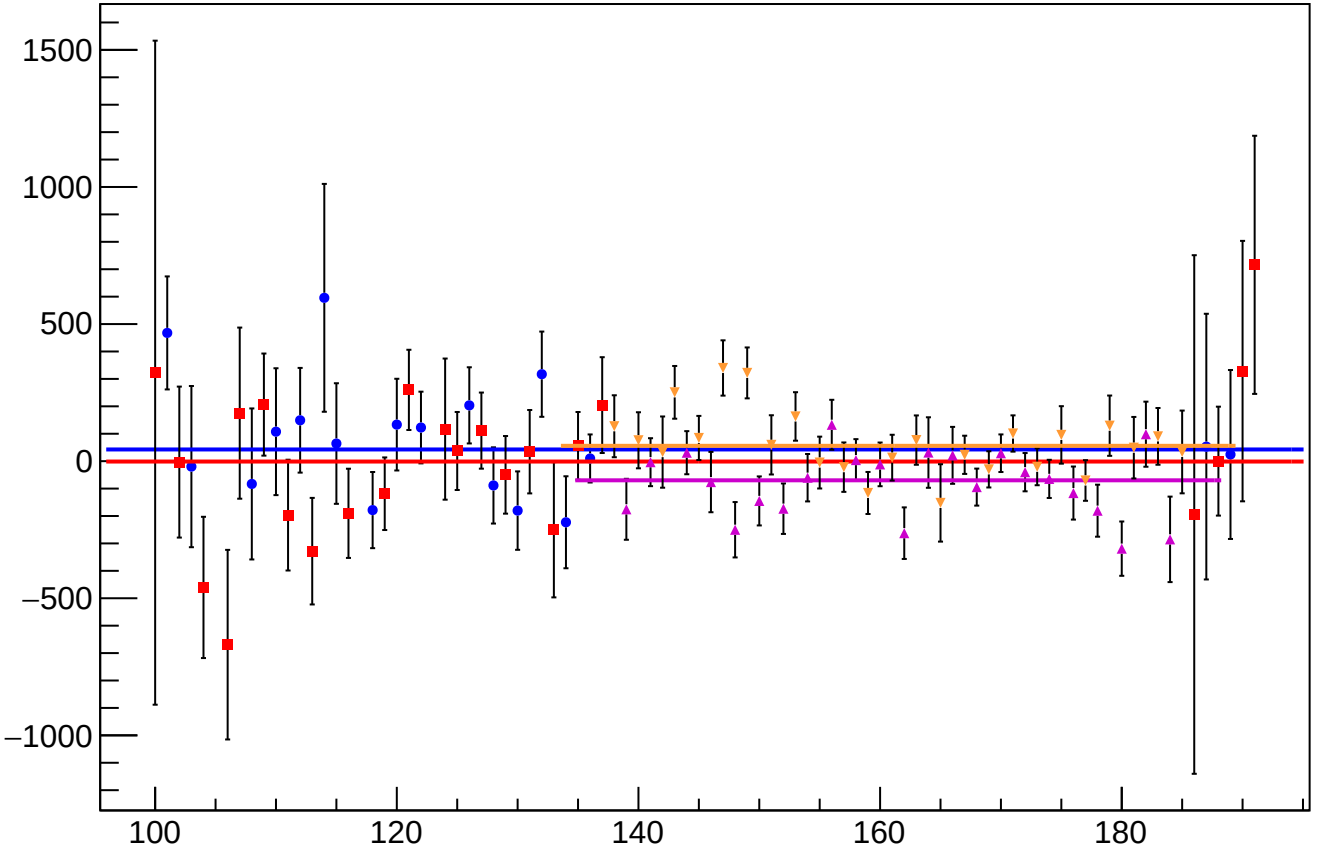
Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

+ sign 523.984+/-0.078 χ^2/NDF: 8553312.1/42

All: 527.126+/-0.055 χ^2/NDF: 18719991.4/88

- sign 530.403+/-0.079 χ^2/NDF: 10163330.2/45

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: -1.367+/-39.887 χ^2/NDF: 24.2/22

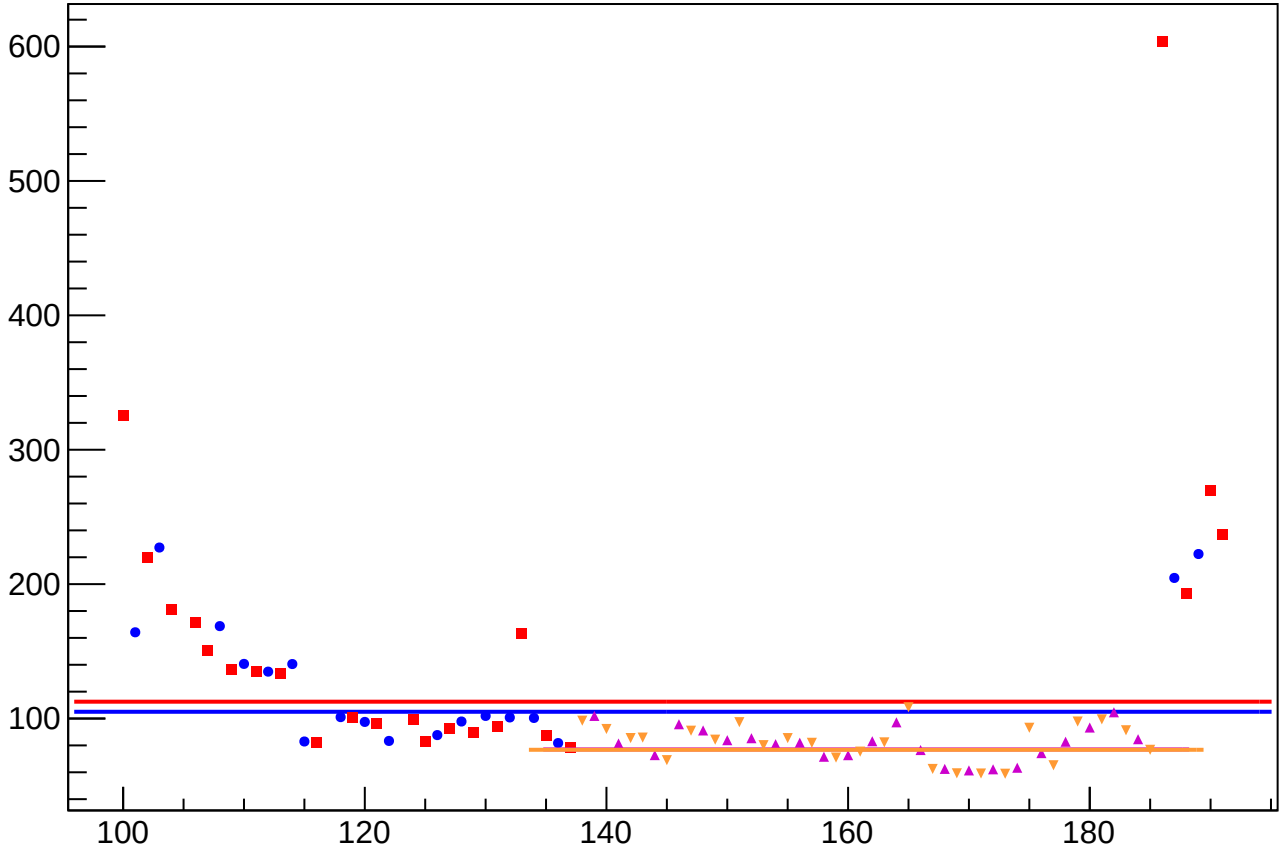
Left In: -69.844+/-18.497 χ^2/NDF:34.5/22

+ sign 53.676+/-16.340 χ^2/NDF: 58.7/42

All: -0.544+/-11.707 χ^2/NDF: 142.5/88

- sign -57.724+/-16.780 χ^2/NDF: 61.2/45

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

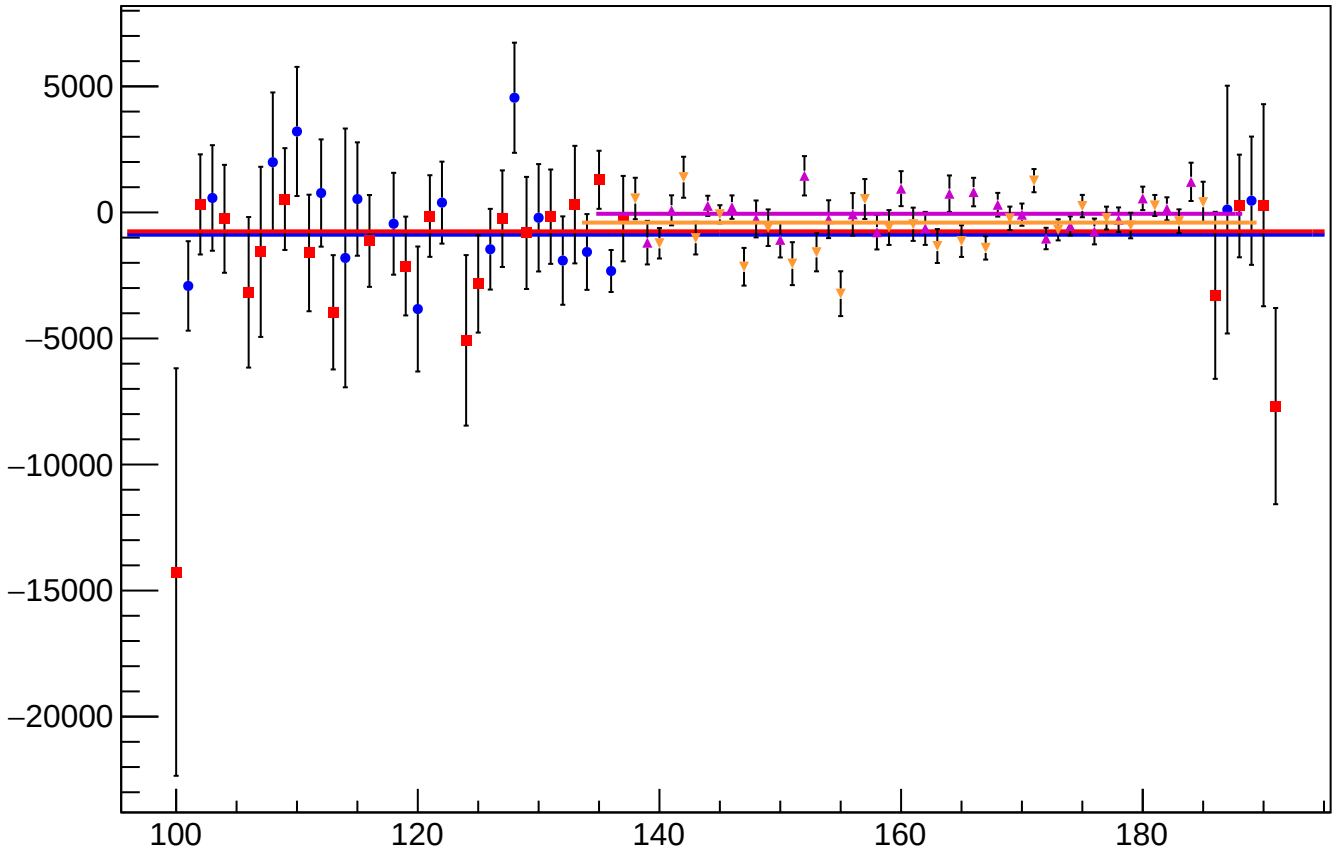
Right Out: 112.533+/-0.028 χ^2/NDF: 2471196.0/22

Left In: 77.018+/-0.013 χ^2/NDF:858871.7/22

+ sign 81.588+/-0.012 χ^2/NDF: 3451134.2/42

All: 82.423+/-0.008 χ^2/NDF: 8096946.8/88

- sign 83.304+/-0.012 χ^2/NDF: 4635079.1/45



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: -750.493+/-441.888 χ^2/NDF: 17.6/22

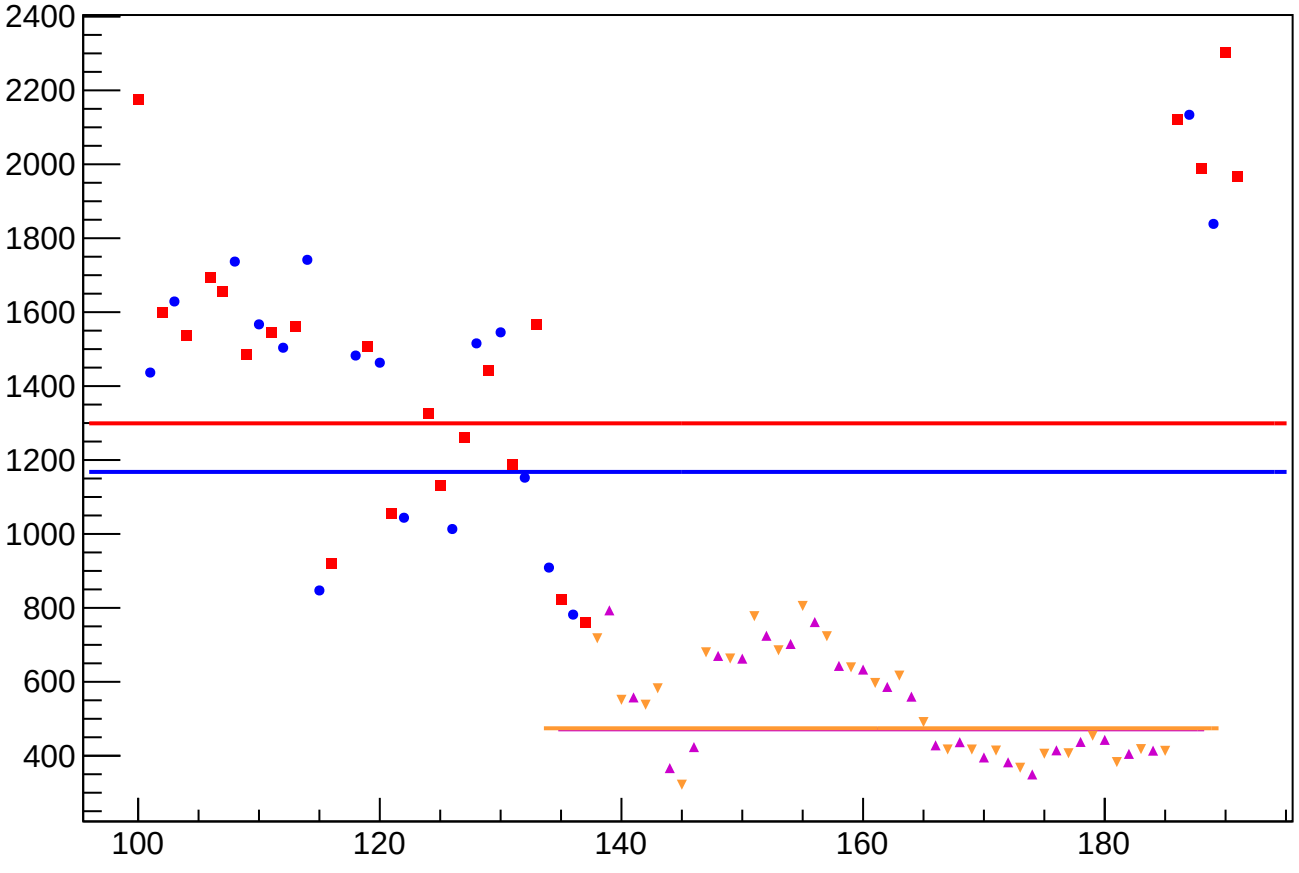
Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

+ sign -433.179+/-108.248 χ^2/NDF: 80.7/42

All: -269.077+/-77.357 χ^2/NDF: 136.0/88

- sign -97.803+/-110.588 χ^2/NDF: 50.6/45

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: 1299.229+/-0.312 χ^2/NDF: 1510448.8/22

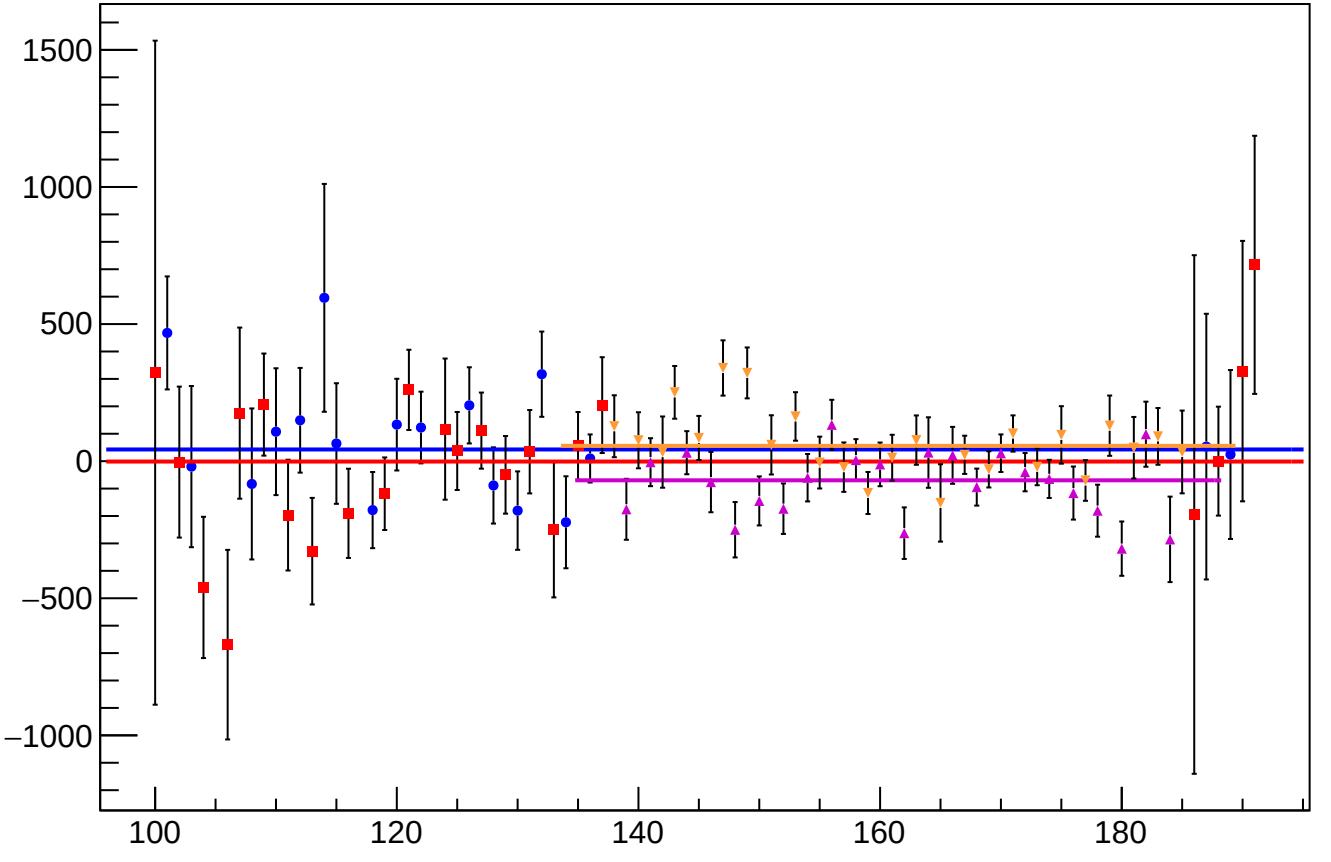
Left In: 471.456+/-0.081 χ^2/NDF:2209343.4/22

+ sign 517.347+/-0.077 χ^2/NDF: 8636957.4/42

All: 520.261+/-0.055 χ^2/NDF: 18938380.3/88

- sign 523.301+/-0.078 χ^2/NDF: 10298462.9/45

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: -1.365+/-39.887 χ^2/NDF: 24.2/22

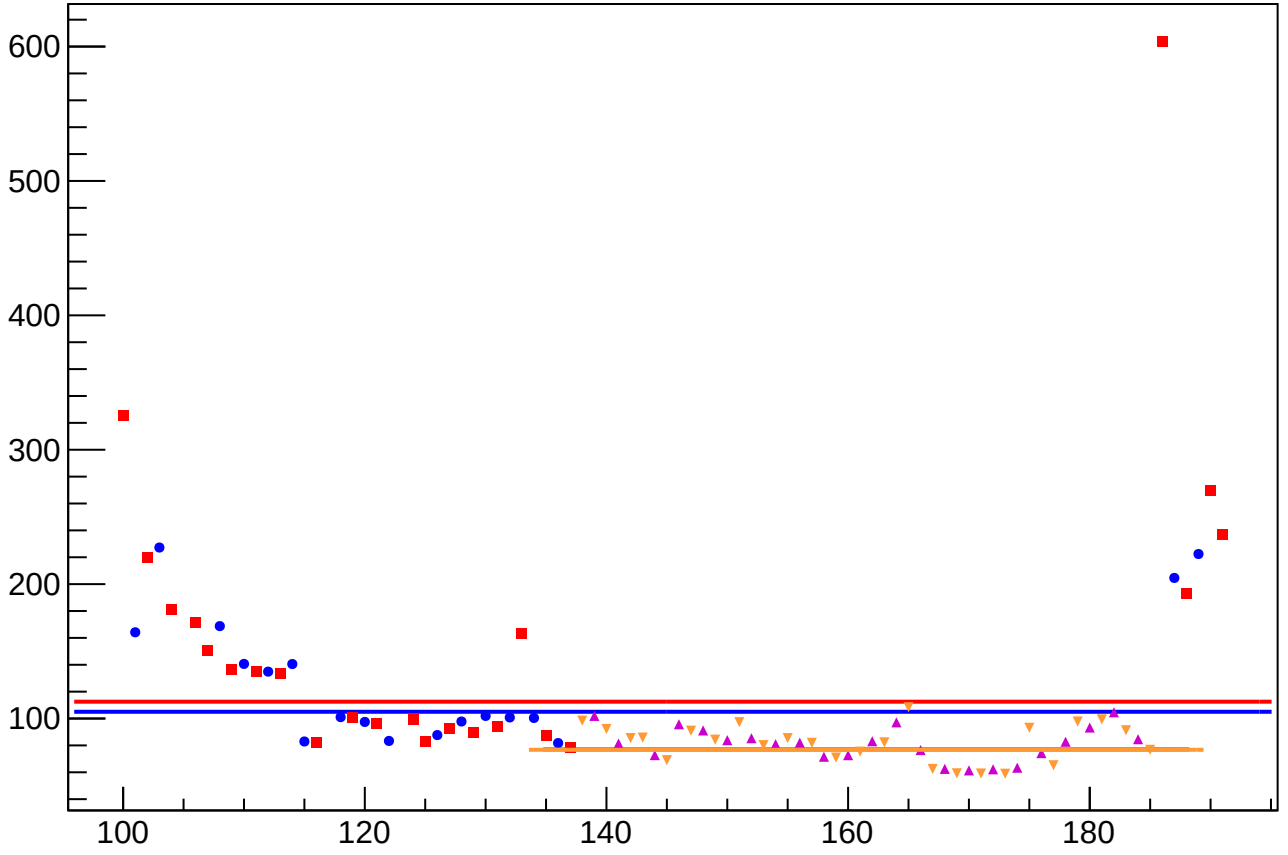
Left In: -69.843+/-18.497 χ^2/NDF:34.5/22

+ sign 53.675+/-16.340 χ^2/NDF: 58.7/42

All: -0.544+/-11.707 χ^2/NDF: 142.5/88

- sign -57.723+/-16.780 χ^2/NDF: 61.2/45

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

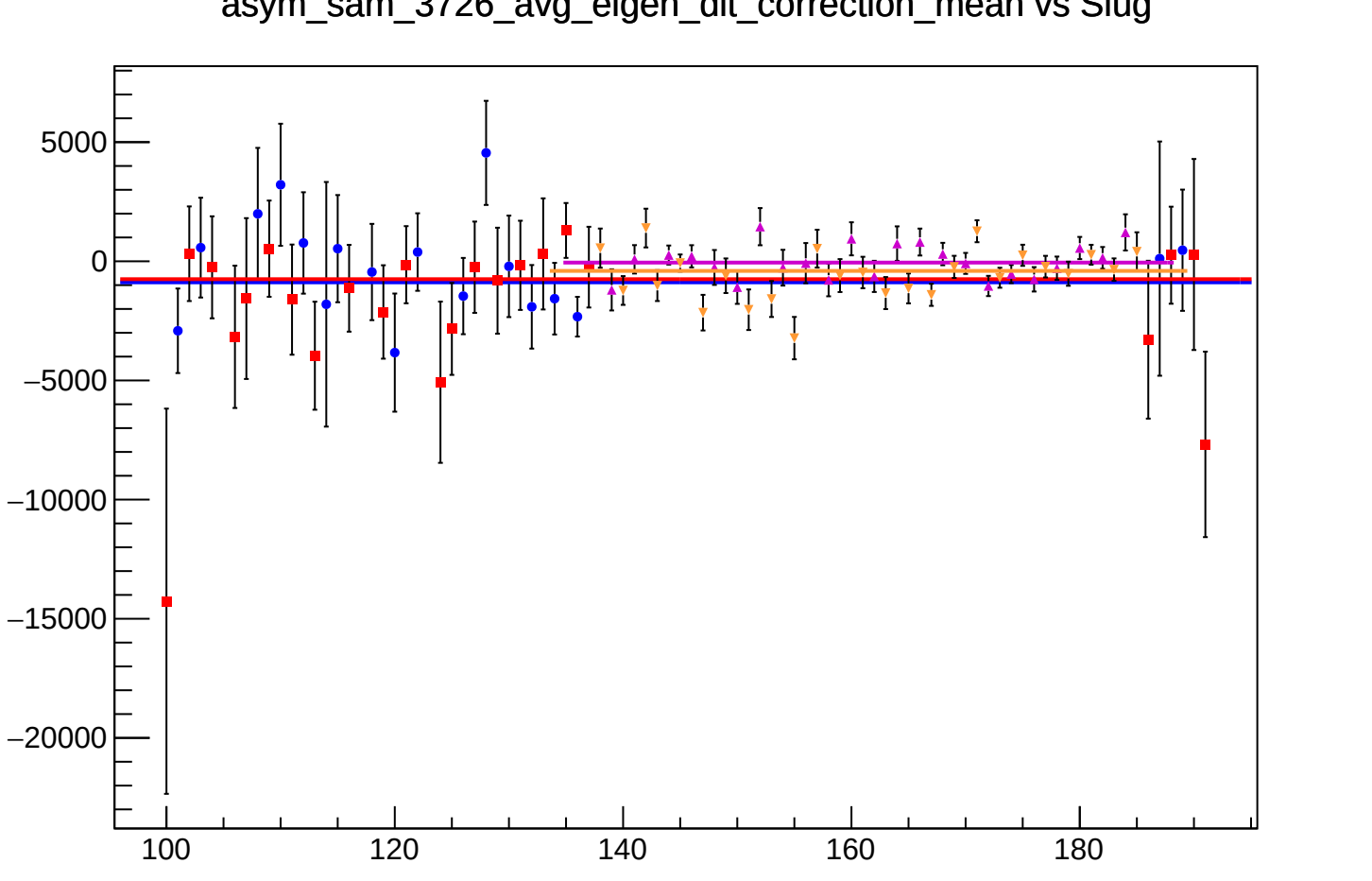
Right Out: 112.533+/-0.028 χ^2/NDF: 2471202.3/22

Left In: 77.018+/-0.013 χ^2/NDF:858863.2/22

+ sign 81.588+/-0.012 χ^2/NDF: 3451104.2/42

All: 82.423+/-0.008 χ^2/NDF: 8096887.0/88

- sign 83.304+/-0.012 χ^2/NDF: 4635048.7/45



Right In: -883.462+/-434.459 χ^2/NDF: 18.8/17

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

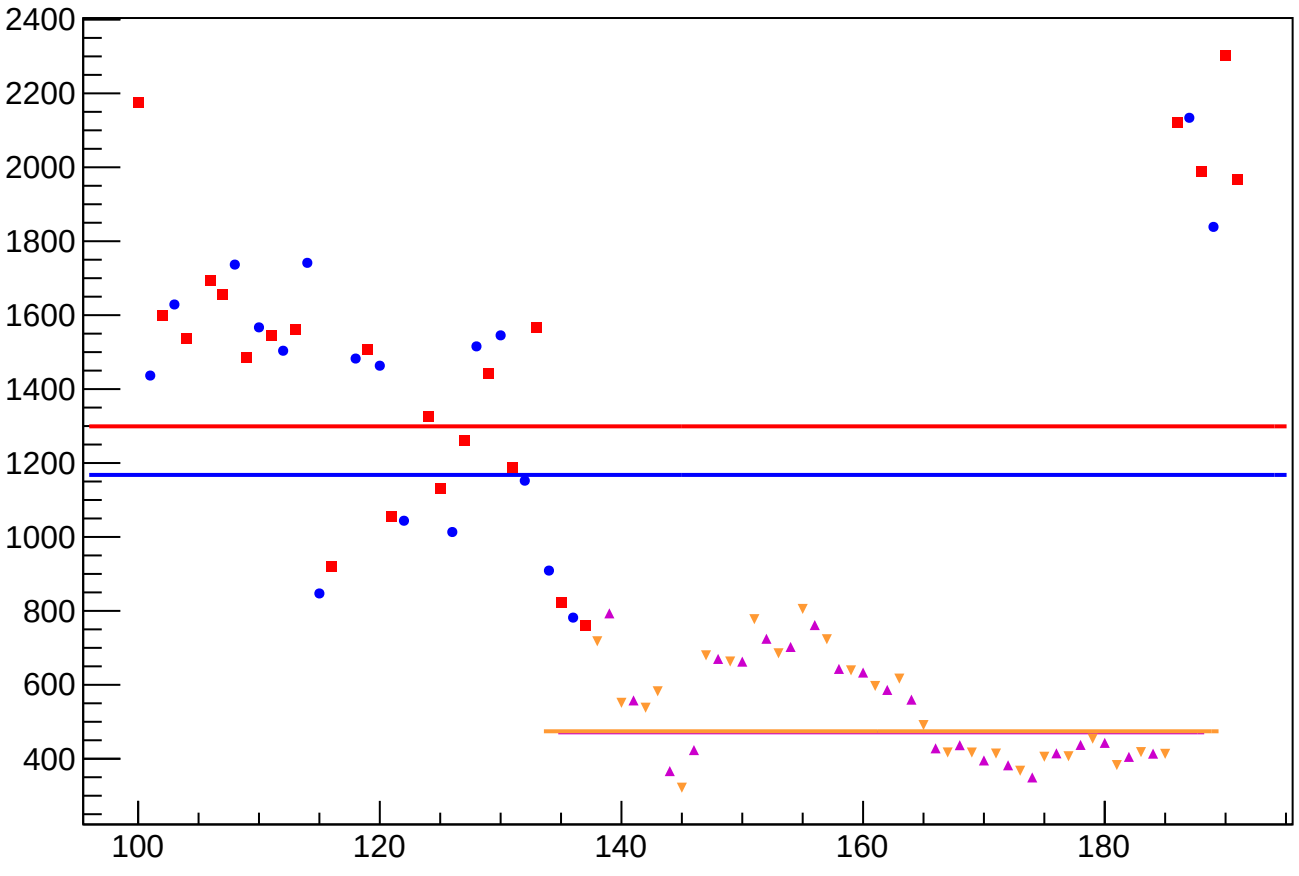
Right Out: -750.494+/-441.887 χ^2/NDF: 17.6/22

Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

+ sign -433.178+/-108.248 χ^2/NDF: 80.7/42

All: -269.076+/-77.357 χ^2/NDF: 136.0/88

- sign -97.803+/-110.588 χ^2/NDF: 50.6/45



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: 1299.227+/-0.312 χ^2/NDF: 1510440.5/22

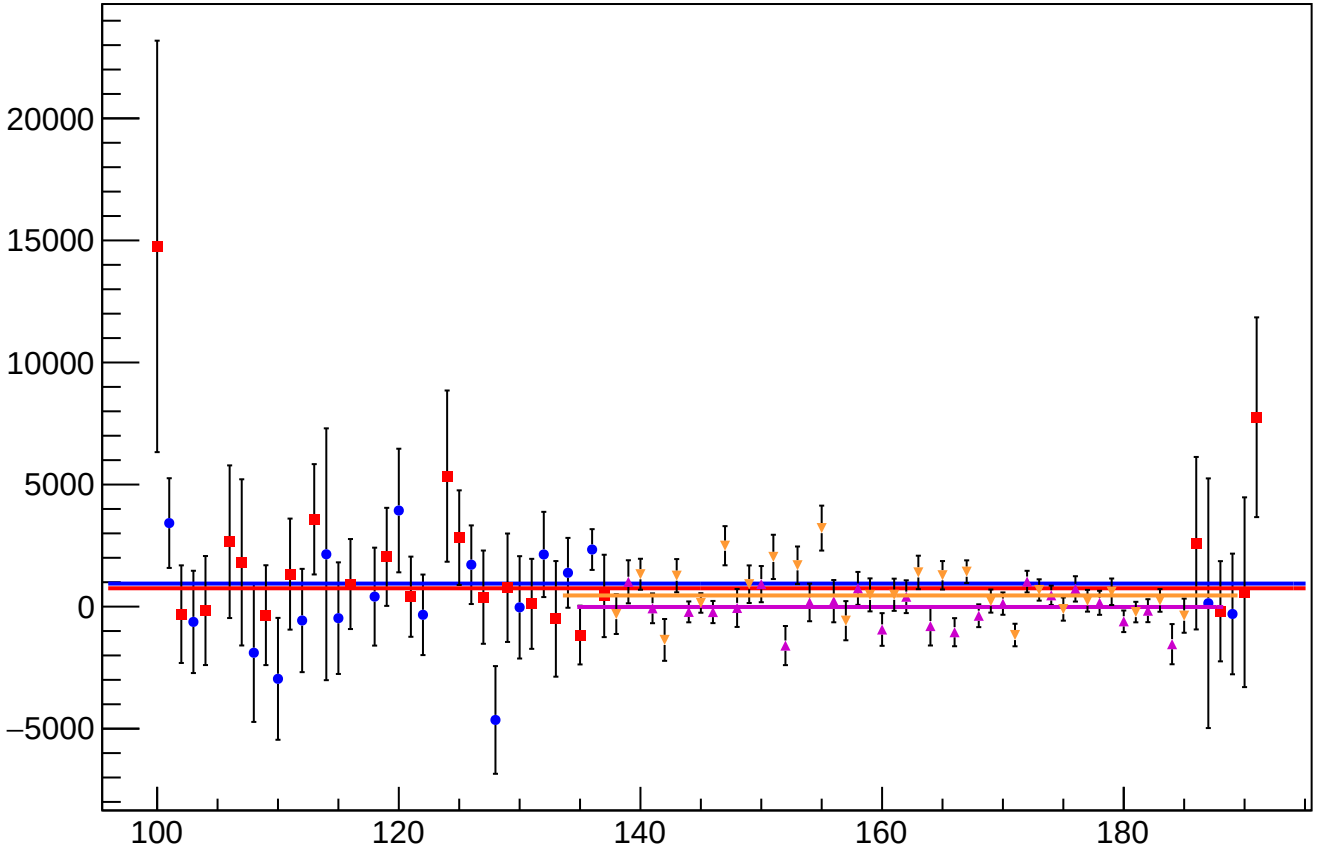
Left In: 471.456+/-0.081 χ^2/NDF:2209338.4/22

+ sign 517.347+/-0.077 χ^2/NDF: 8636949.8/42

All: 520.260+/-0.055 χ^2/NDF: 18938353.9/88

- sign 523.301+/-0.078 χ^2/NDF: 10298443.9/45

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: 750.991+/-448.242 χ^2/NDF: 15.3/22

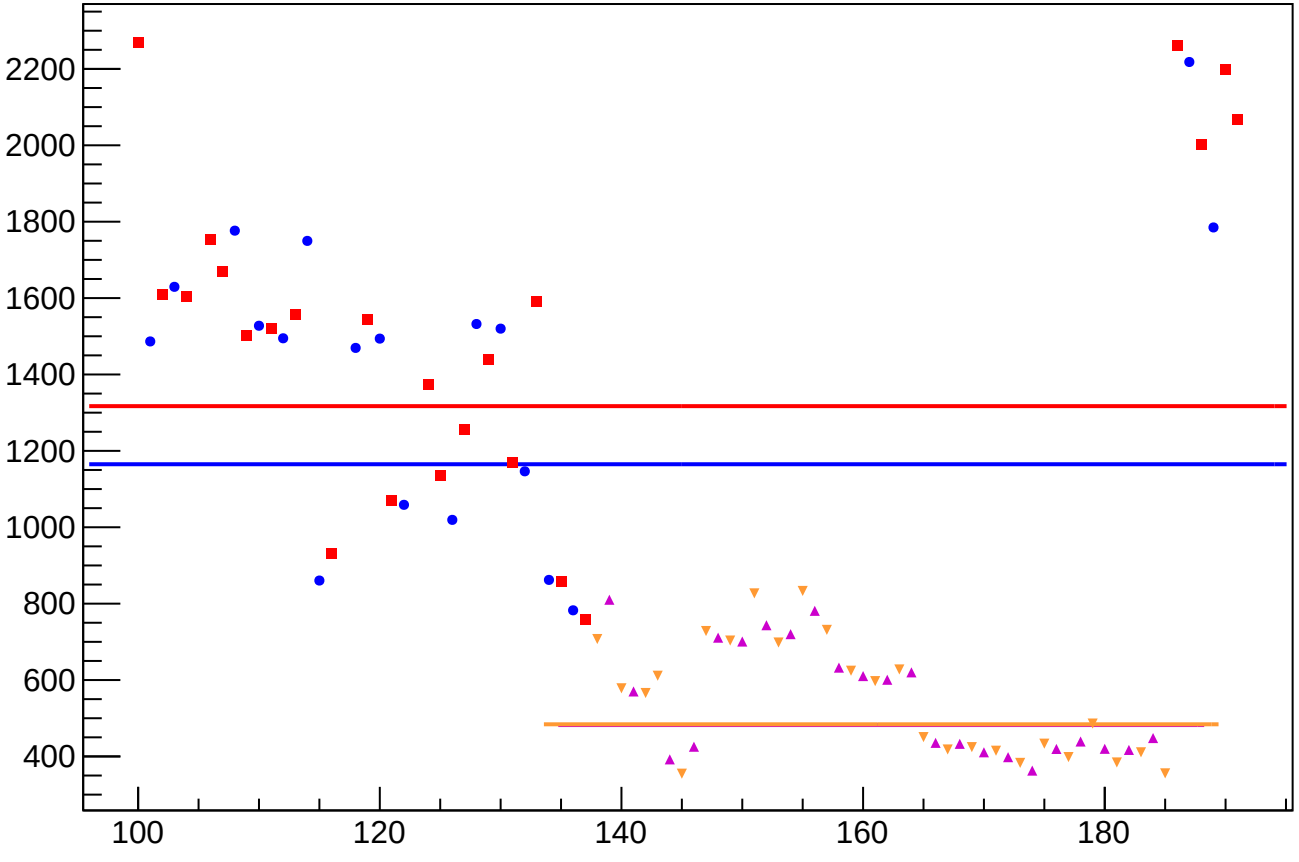
Left In: -15.089+/-116.701 χ^2/NDF:30.3/22

+ sign 488.824+/-110.580 χ^2/NDF: 79.9/42

All: 265.982+/-79.011 χ^2/NDF: 136.6/88

- sign 33.542+/-112.936 χ^2/NDF: 48.4/45

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

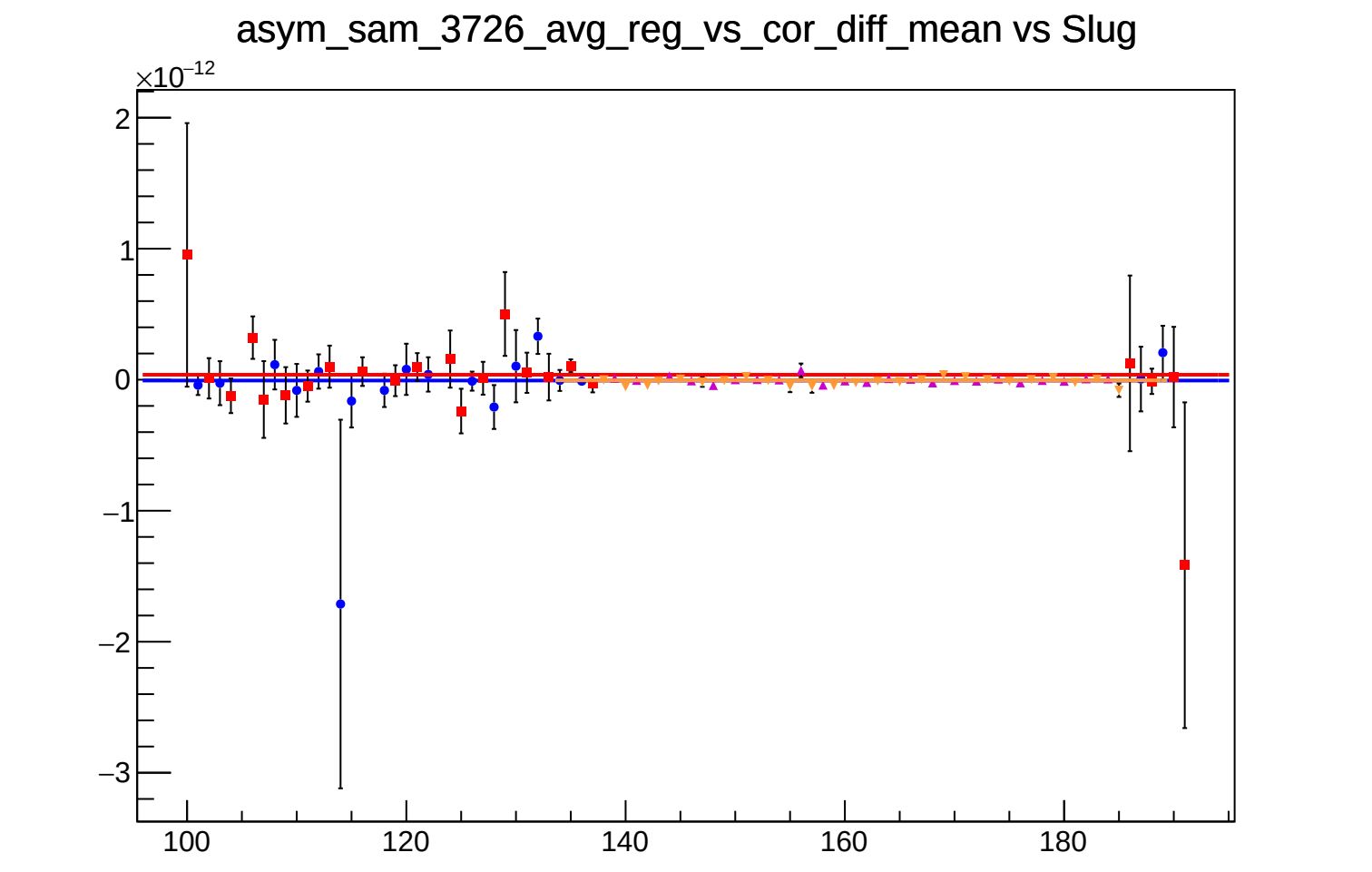
Right Out: 1317.102+/-0.317 χ^2/NDF: 1487899.8/22

Left In: 482.160+/-0.083 χ^2/NDF:2186689.9/22

+ sign 528.303+/-0.078 χ^2/NDF: 8491022.6/42

All: 531.660+/-0.056 χ^2/NDF: 18668208.0/88

- sign 535.162+/-0.080 χ^2/NDF: 10173418.8/45



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/17

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

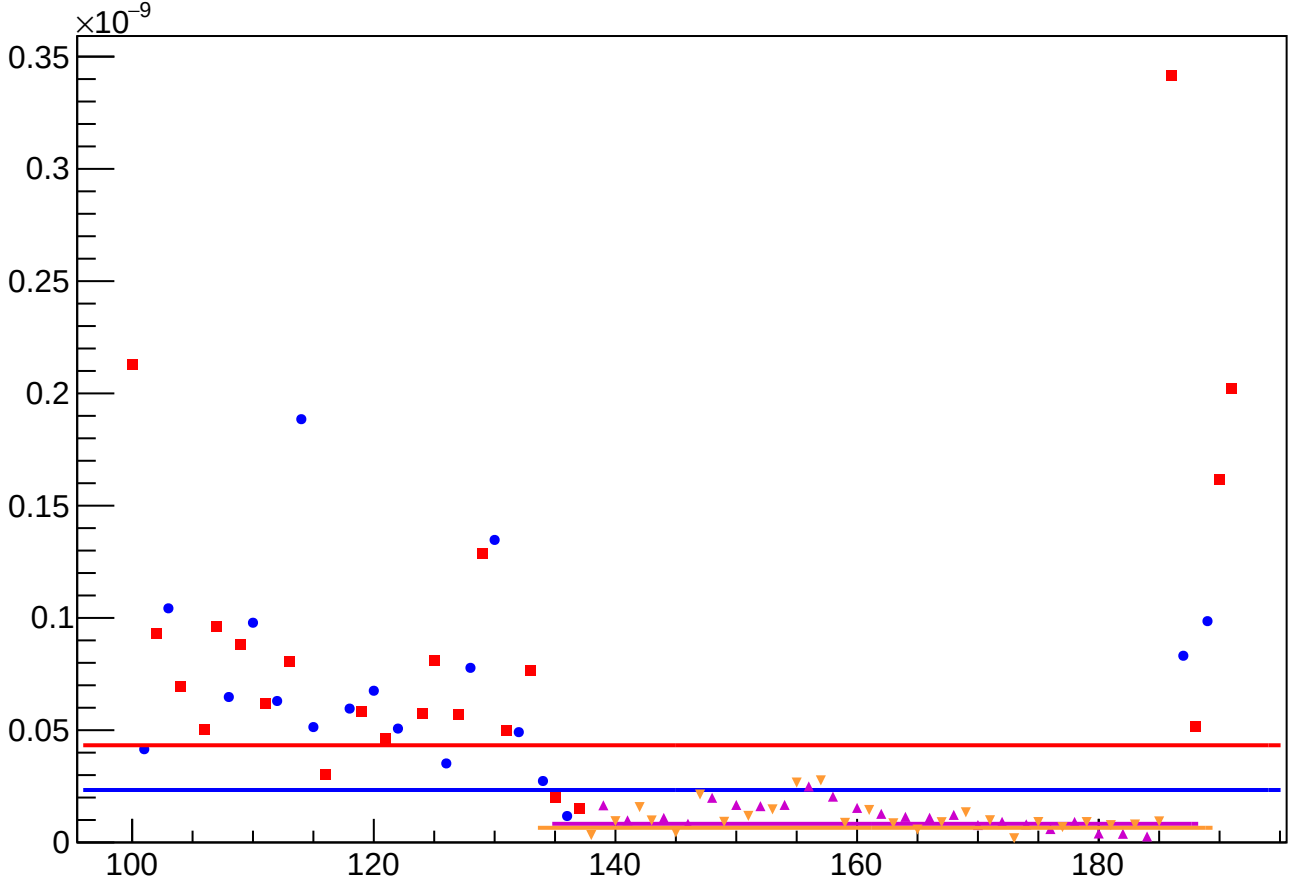
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/22

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: 78.8/88

- sign -0.000+/-0.000 χ^2/NDF: 34.8/45



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: 2491869.5/22

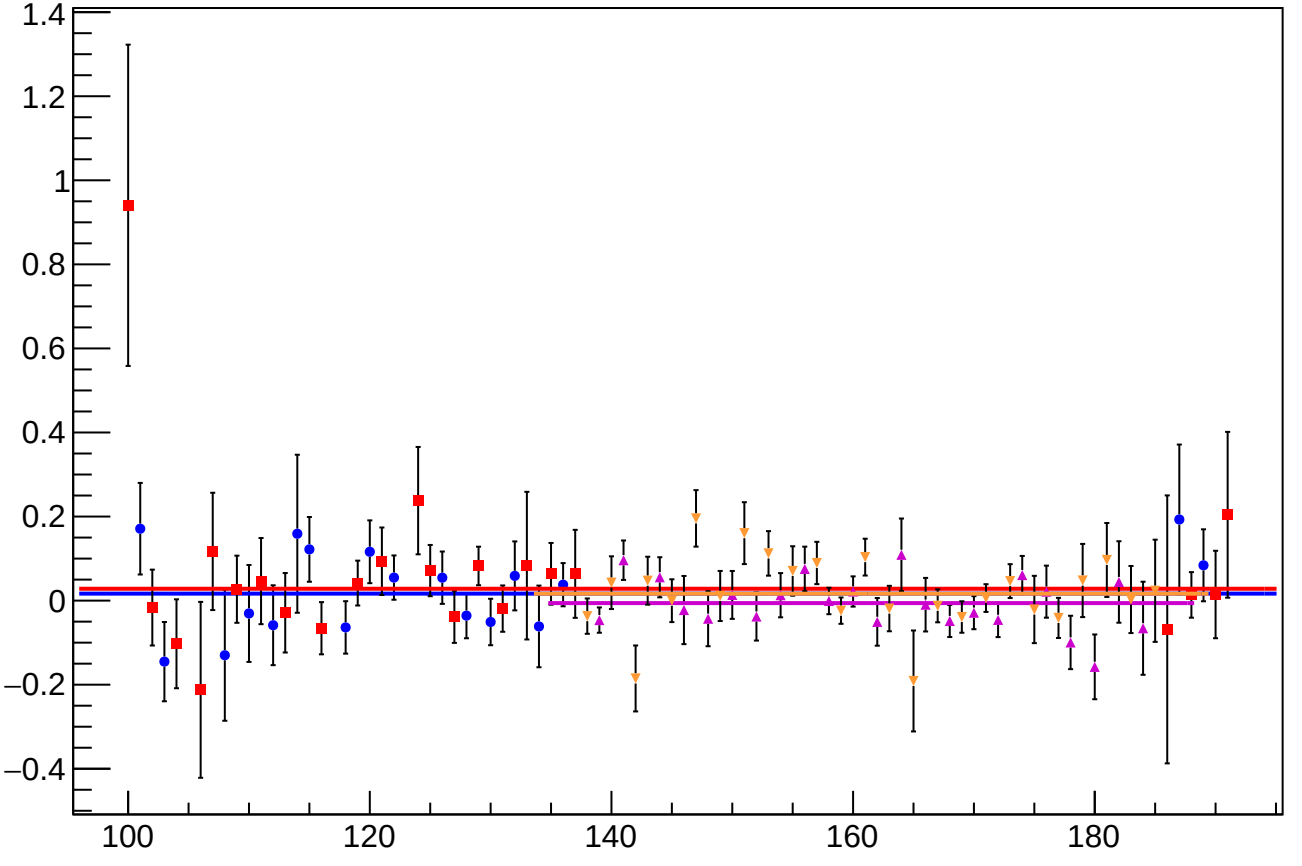
Left In: 0.000+/-0.000 χ^2/NDF:2799238.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8823496.7/42

All: 0.000+/-0.000 χ^2/NDF: 17987255.8/88

- sign 0.000+/-0.000 χ^2/NDF: 8842893.1/45

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: 0.028+/-0.017 χ^2/NDF: 20.5/22

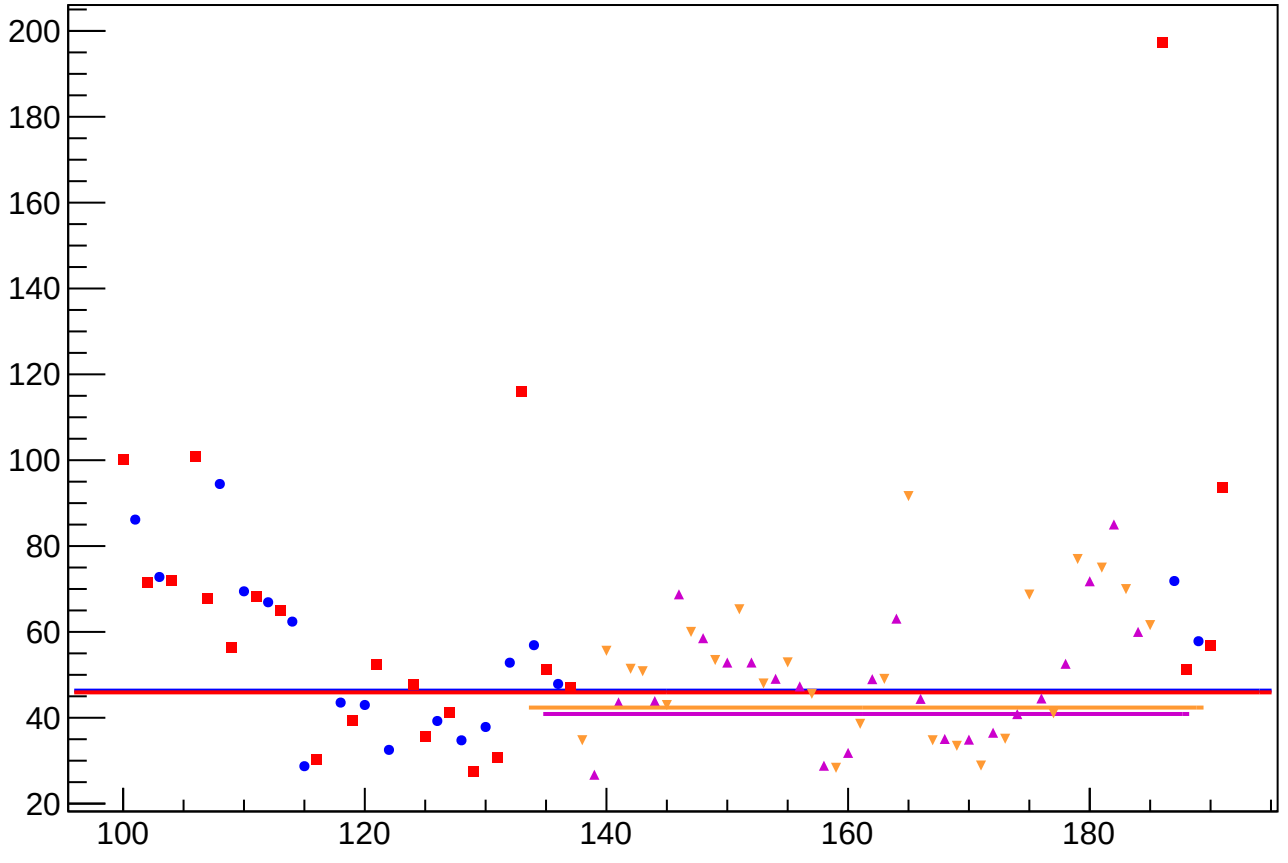
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.017+/-0.009 χ^2/NDF: 59.6/42

All: 0.010+/-0.006 χ^2/NDF: 110.2/88

- sign 0.004+/-0.009 χ^2/NDF: 49.5/45

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

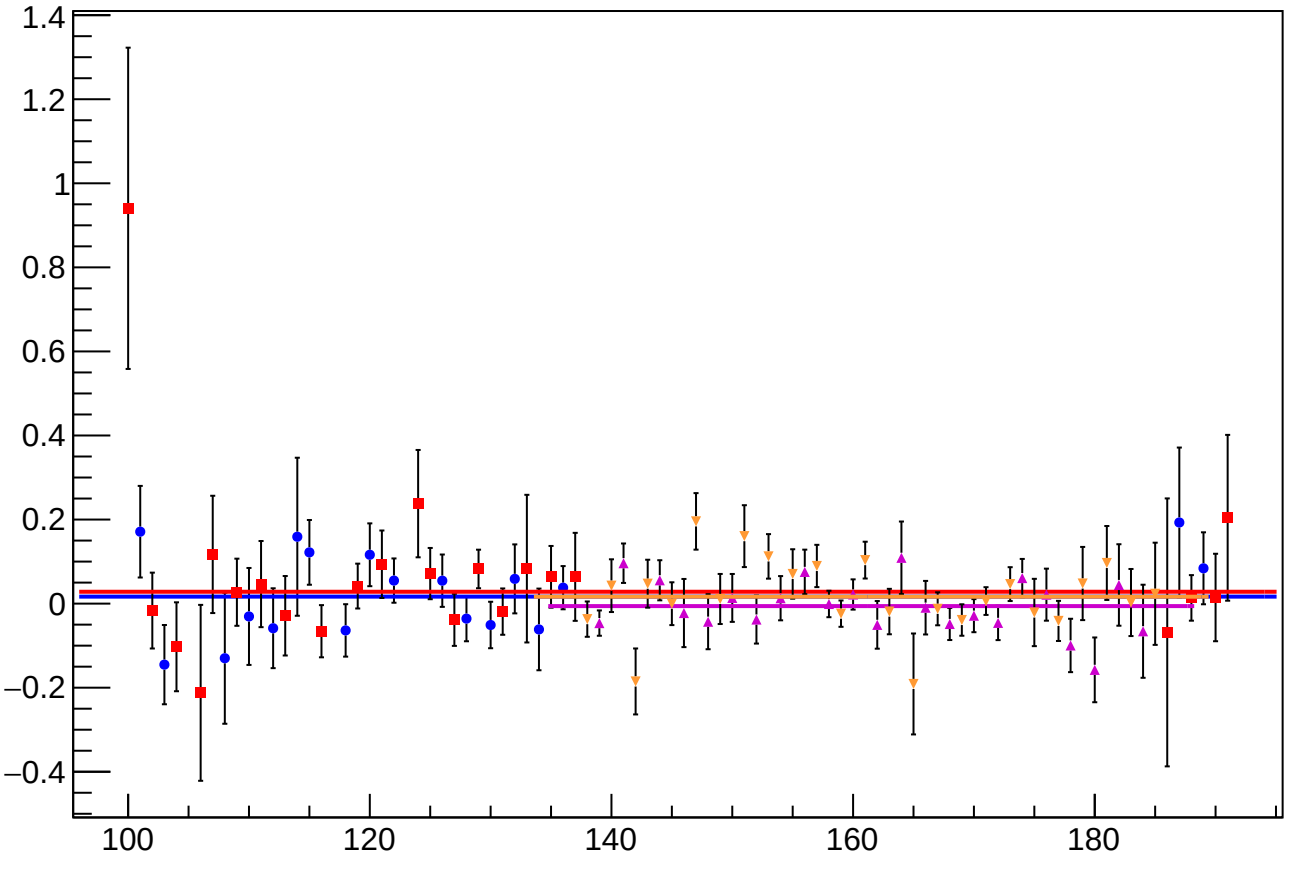
Right Out: 45.913+/-0.012 χ^2/NDF: 2372697.7/22

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

\+ sign 43.370+/-0.006 χ^2/NDF: 4599253.7/42

All: 42.806+/-0.004 χ^2/NDF: 9797766.1/88

\- sign 42.267+/-0.006 χ^2/NDF: 5182979.2/45



Right In: 0.017+/-0.018 χ^2/NDF: 18.5/17

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

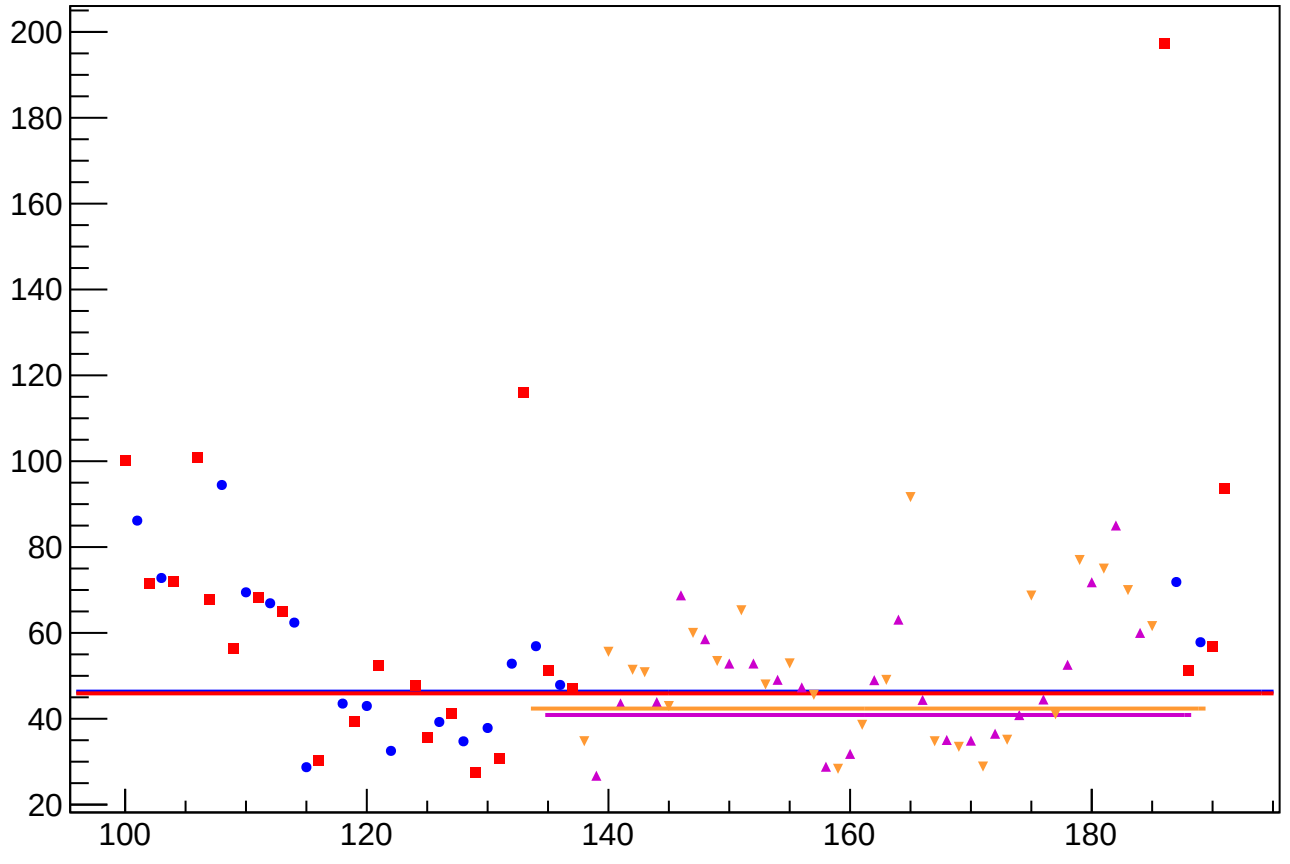
Right Out: 0.028+/-0.017 χ^2/NDF: 20.5/22

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: 110.2/88

- sign 0.004+/-0.009 χ^2/NDF: 49.5/45



Right In: 46.321+/-0.013 χ^2/NDF: 1334942.0/17

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

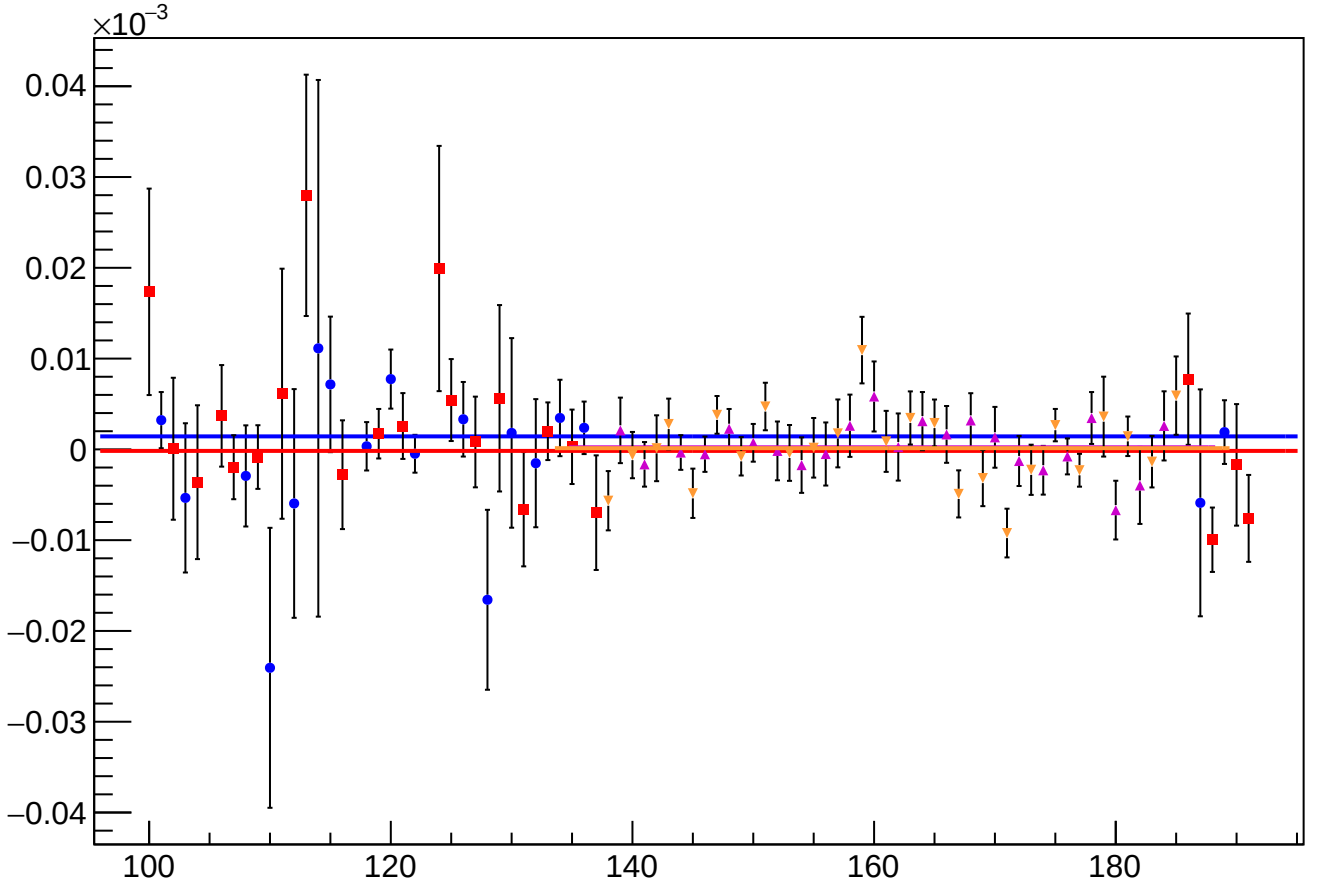
Right Out: 45.913+/-0.012 χ^2/NDF: 2372697.7/22

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

\+ sign 43.370+/-0.006 χ^2/NDF: 4599253.7/42

All: 42.806+/-0.004 χ^2/NDF: 9797766.1/88

\- sign 42.267+/-0.006 χ^2/NDF: 5182979.2/45



Right In: 0.000+/-0.000 χ^2/NDF: 14.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:49.9/24

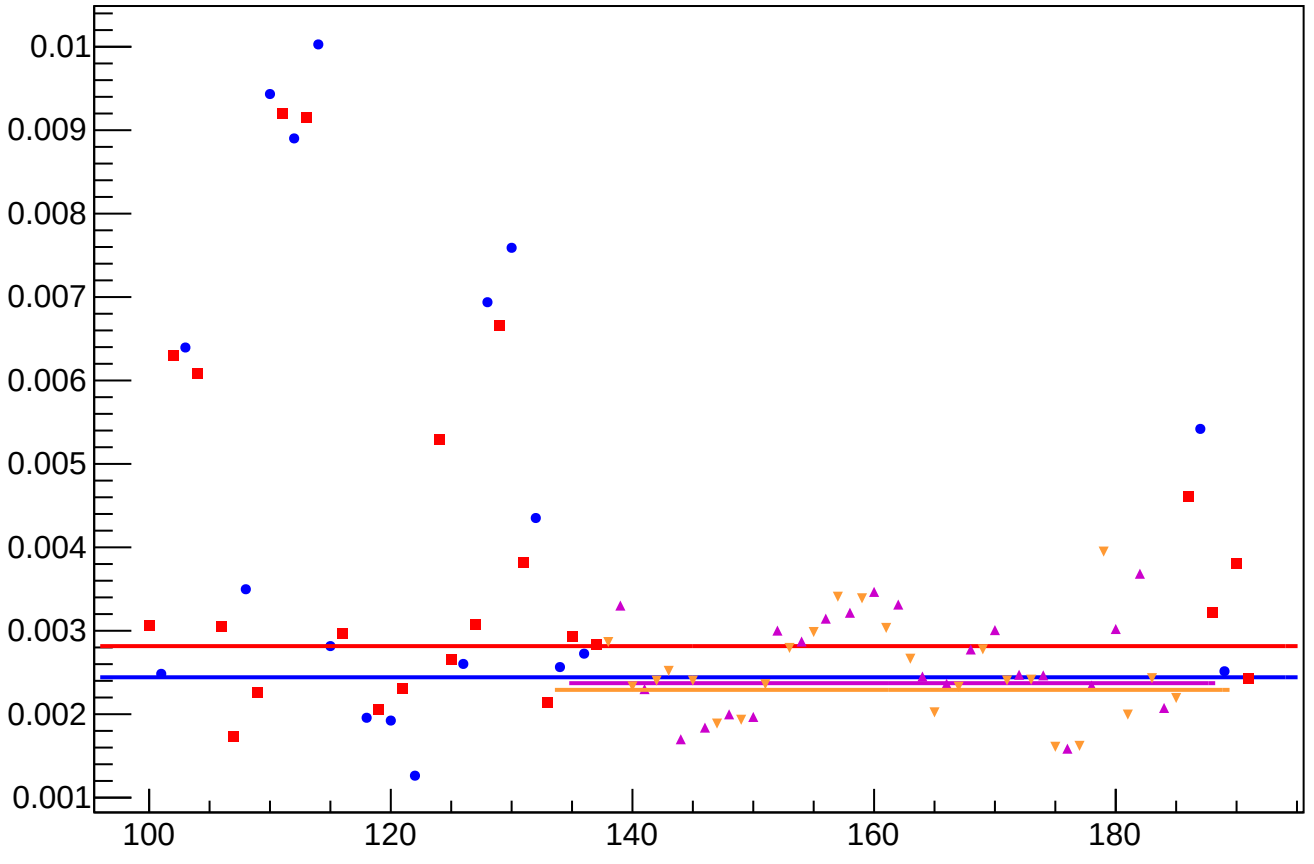
Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/22

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: 109.3/88

- sign 0.000+/-0.000 χ^2/NDF: 43.3/45



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: 2723920.5/22

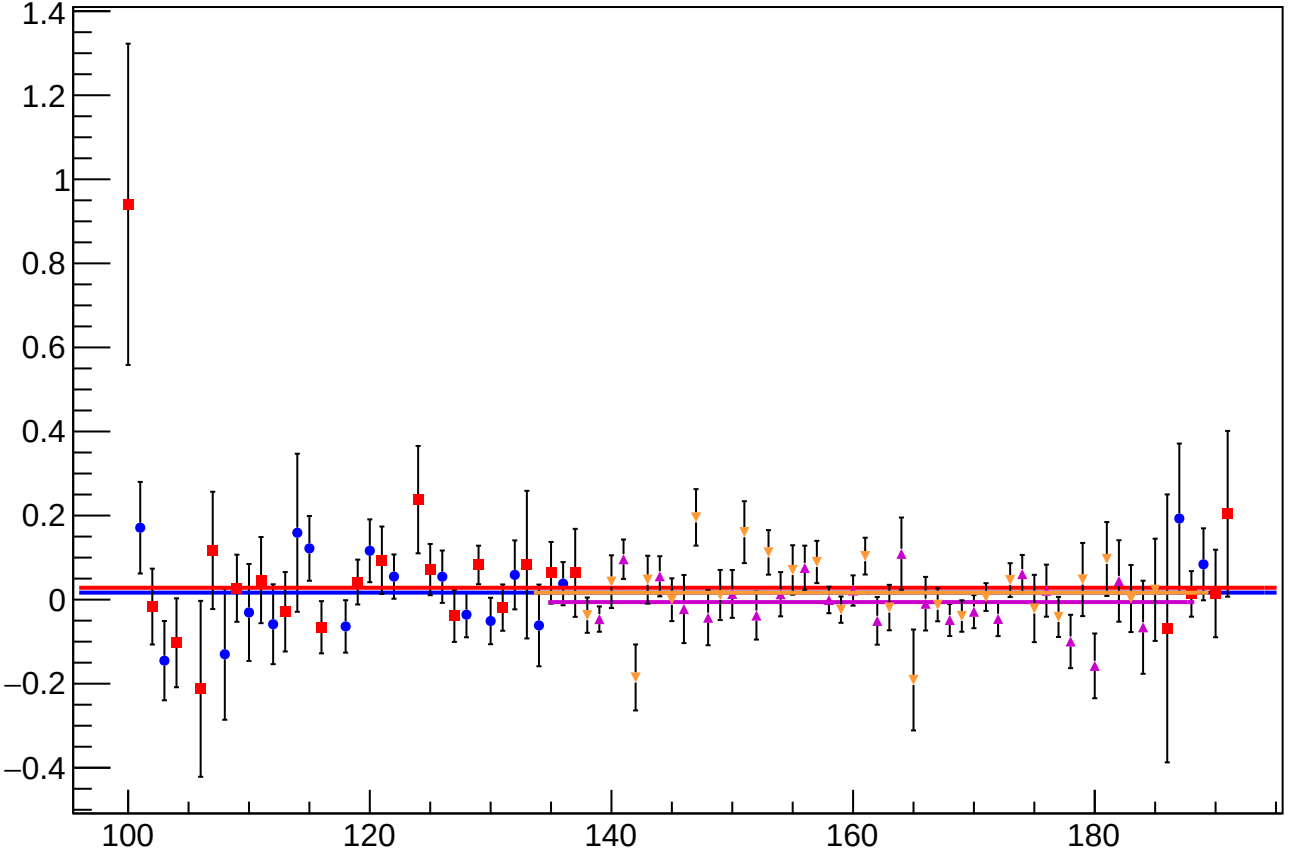
Left In: 0.002+/-0.000 χ^2/NDF:2020314.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 5402267.7/42

All: 0.002+/-0.000 χ^2/NDF: 10532609.4/88

- sign 0.002+/-0.000 χ^2/NDF: 5030899.8/45

asym_sam_3726_avg_eigen_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: 0.028+/-0.017 χ^2/NDF: 20.5/22

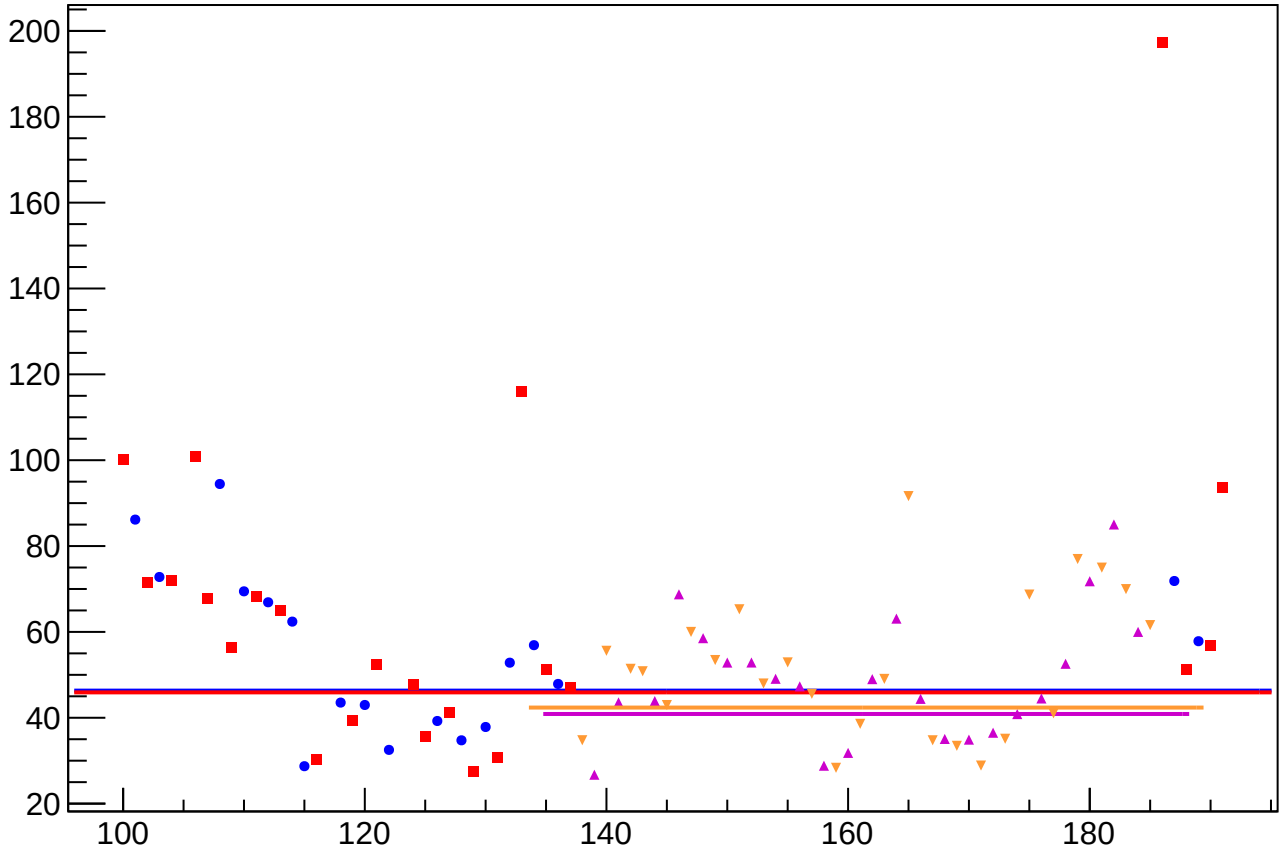
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.017+/-0.009 χ^2/NDF: 59.6/42

All: 0.010+/-0.006 χ^2/NDF: 110.2/88

- sign 0.004+/-0.009 χ^2/NDF: 49.5/45

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug



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: 45.914+/-0.012 χ^2/NDF: 2372611.8/22

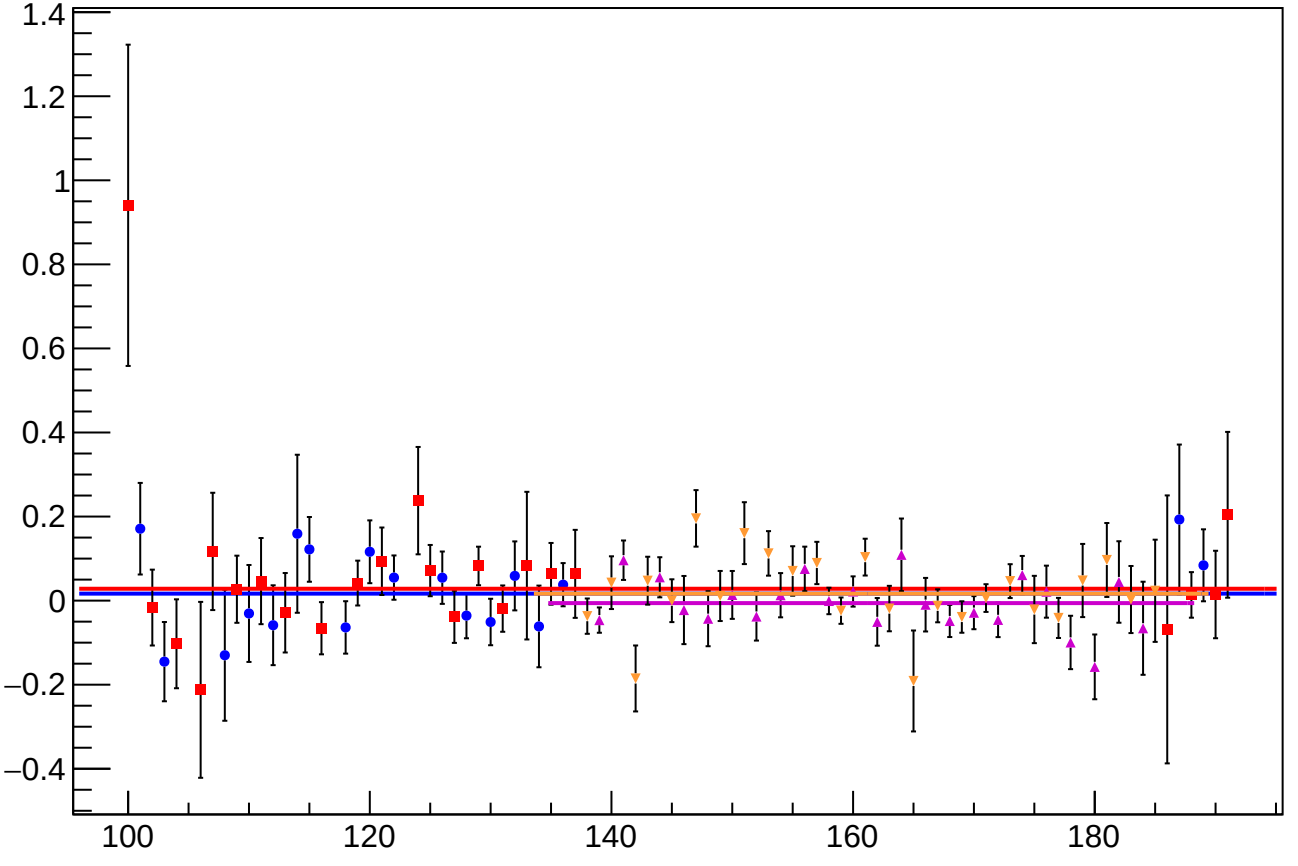
Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

+ sign 43.370+/-0.006 χ^2/NDF: 4599235.5/42

All: 42.806+/-0.004 χ^2/NDF: 9797676.6/88

- sign 42.267+/-0.006 χ^2/NDF: 5182911.6/45

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

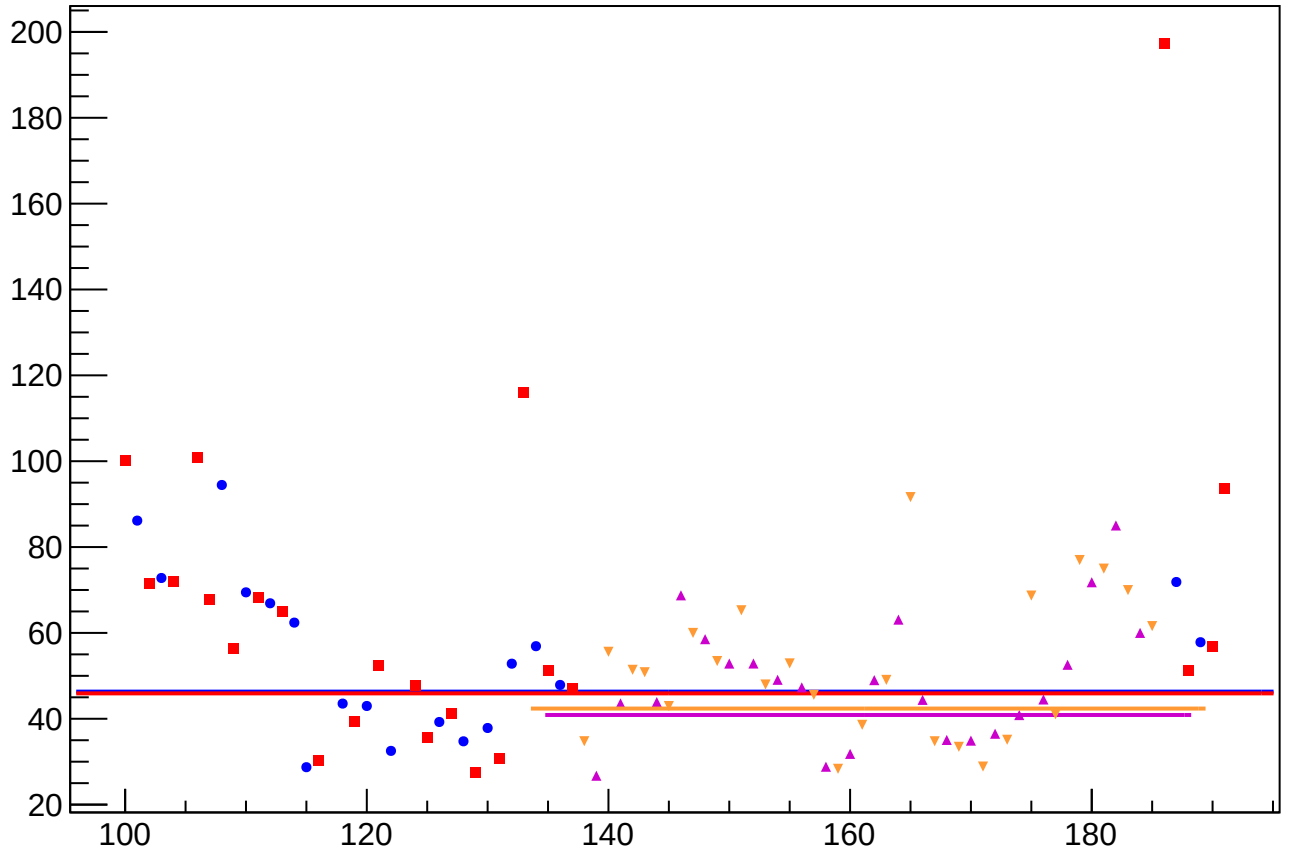
Right Out: 0.028+/-0.017 χ^2/NDF: 20.5/22

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: 110.2/88

- sign 0.004+/-0.009 χ^2/NDF: 49.5/45



Right In: 46.321+/-0.013 χ^2/NDF: 1334906.7/17

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

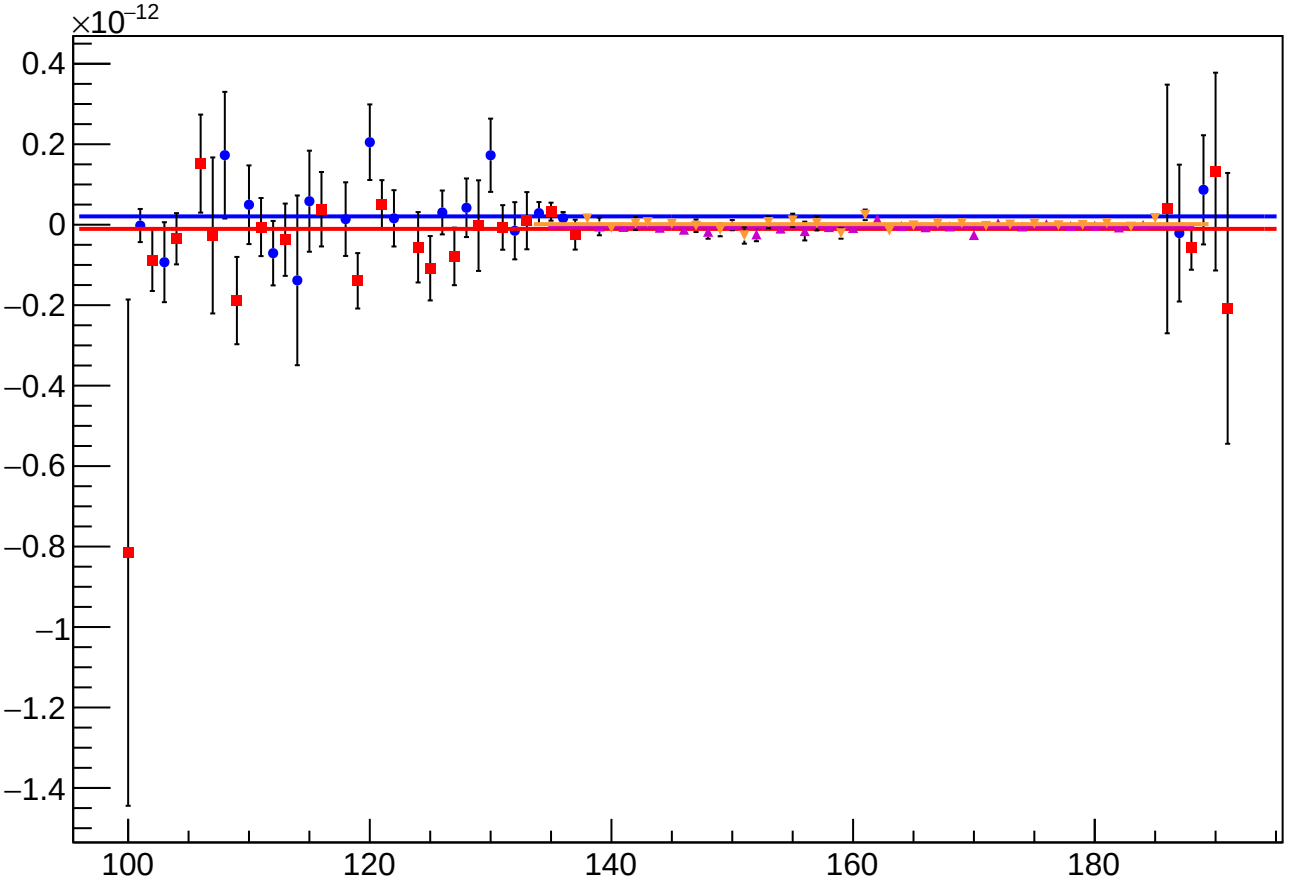
Right Out: 45.914+/-0.012 χ^2/NDF: 2372611.8/22

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

\+ sign 43.370+/-0.006 χ^2/NDF: 4599235.5/42

All: 42.806+/-0.004 χ^2/NDF: 9797676.6/88

\- sign 42.267+/-0.006 χ^2/NDF: 5182911.6/45



Right In: 0.000+/-0.000 χ^2/NDF: 12.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/24

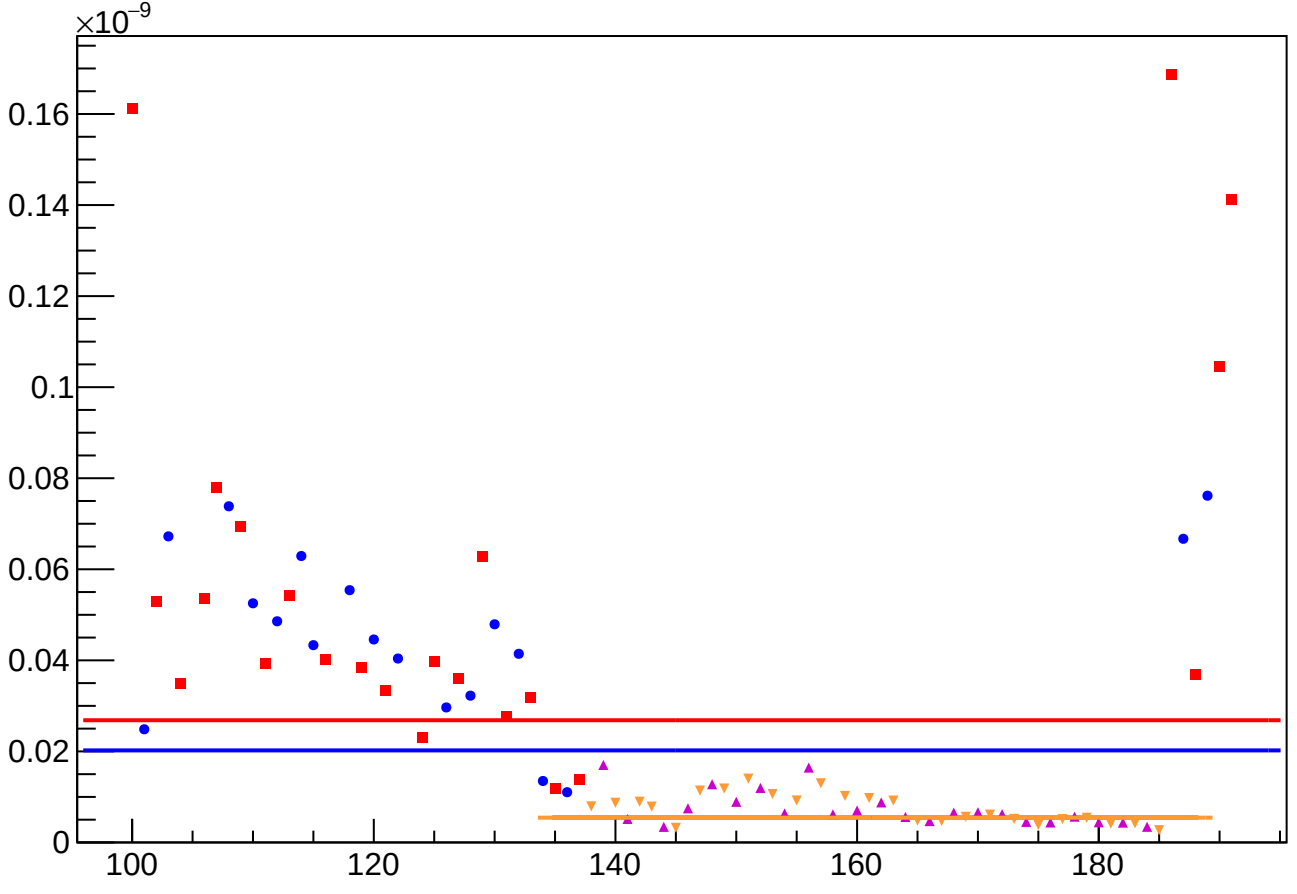
Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/22

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: 76.5/88

- sign -0.000+/-0.000 χ^2/NDF: 33.5/45



Right In: 0.000+/-0.000 χ^2/NDF: 3735790.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:3789045.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3639892.6/22

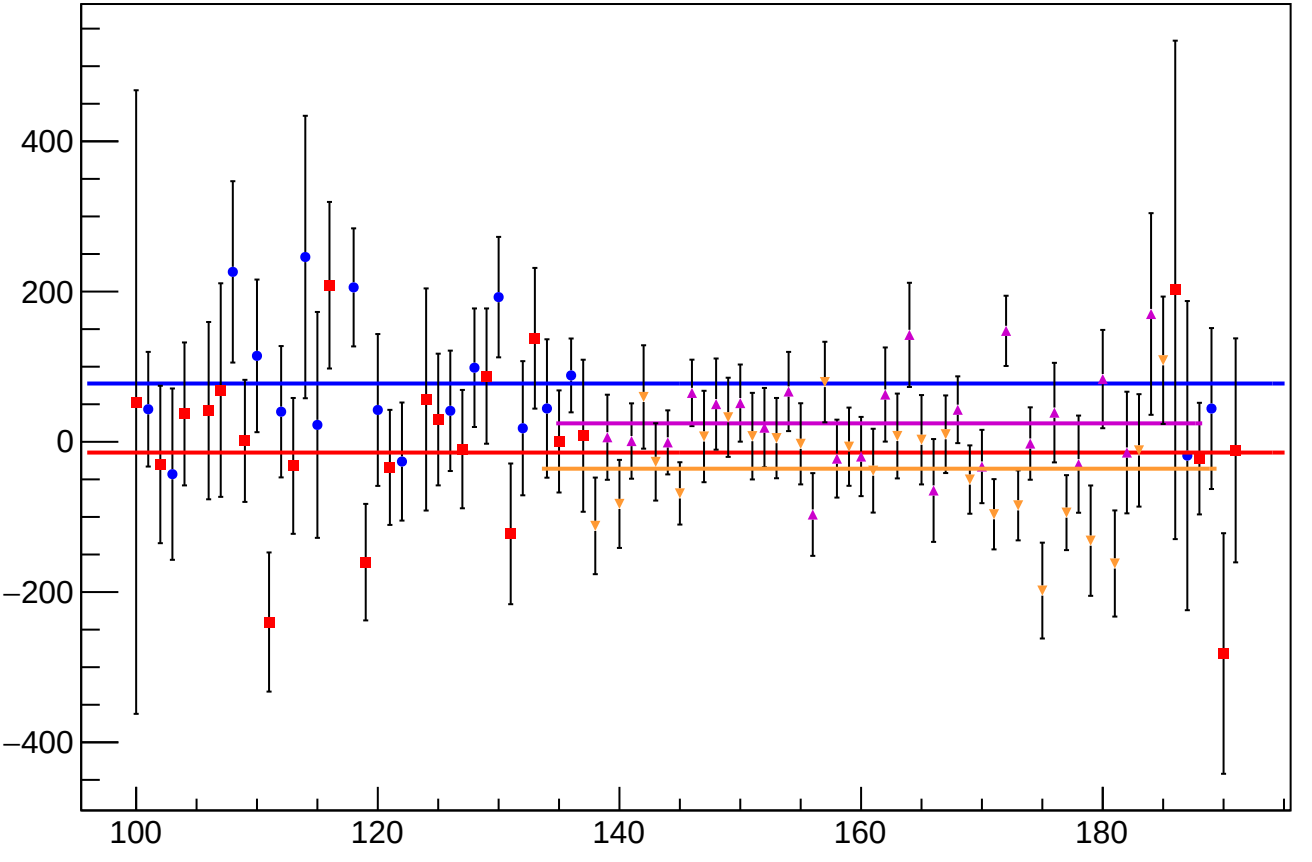
Left In: 0.000+/-0.000 χ^2/NDF:2801443.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 10973334.6/42

All: 0.000+/-0.000 χ^2/NDF: 22519757.8/88

- sign 0.000+/-0.000 χ^2/NDF: 11544983.9/45

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: -14.305+/-20.352 χ^2/NDF: 23.6/22

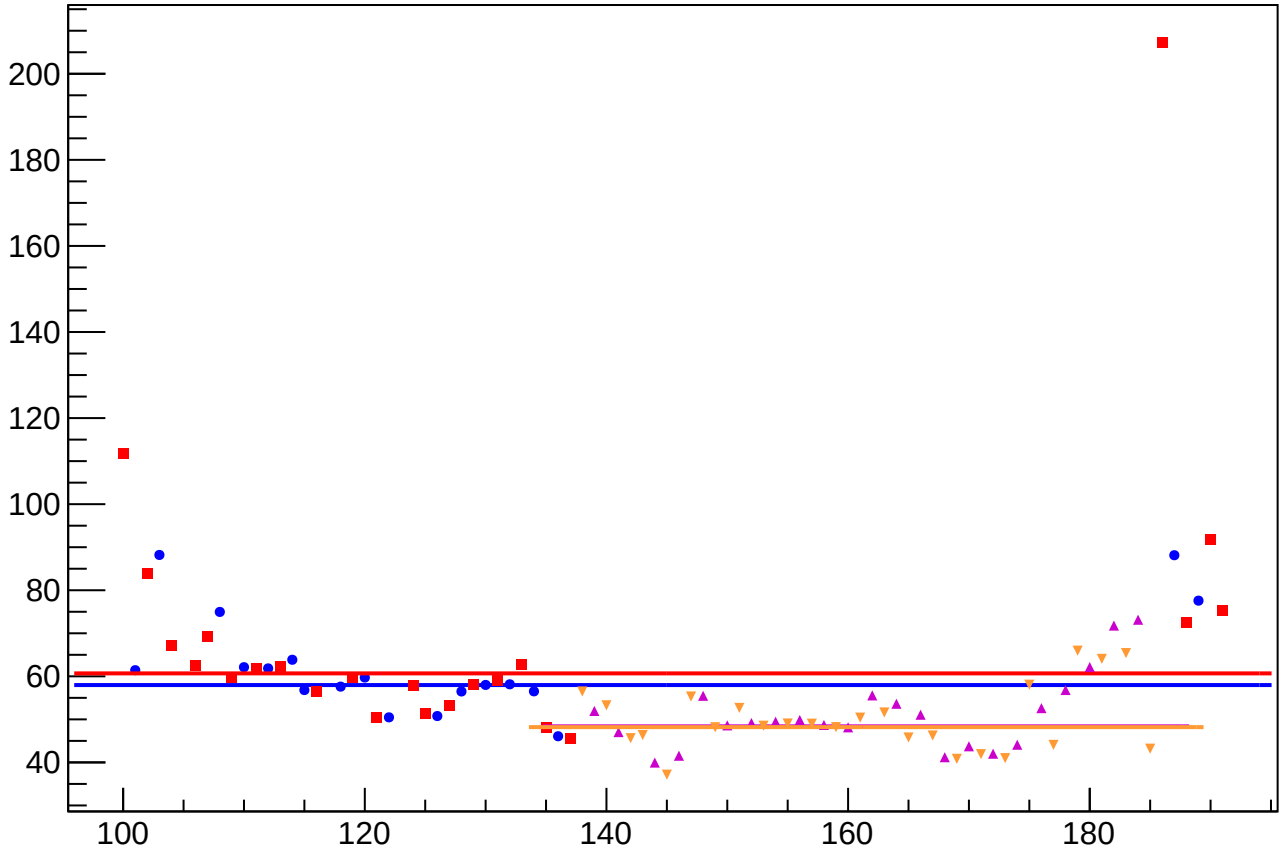
Left In: 24.572+/-11.471 χ^2/NDF:25.7/22

+ sign -10.856+/-9.821 χ^2/NDF: 68.4/42

All: 1.945+/-7.005 χ^2/NDF: 124.0/88

- sign 15.199+/-9.993 χ^2/NDF: 52.1/45

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

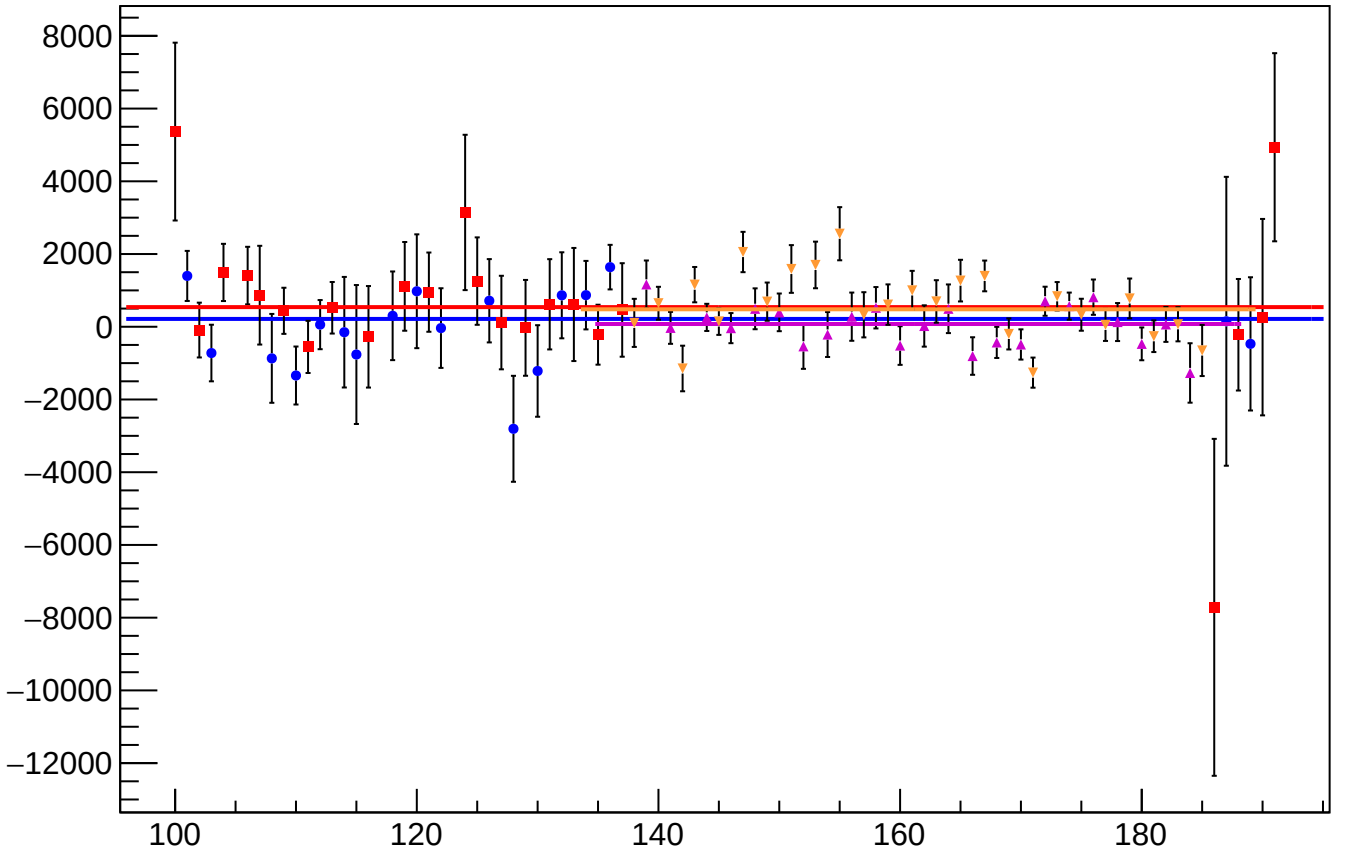
Right Out: 60.685+/-0.014 χ^2/NDF: 877707.0/22

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

\+ sign 50.347+/-0.007 χ^2/NDF: 1576969.6/42

All: 50.838+/-0.005 χ^2/NDF: 3715044.6/88

\- sign 51.347+/-0.007 χ^2/NDF: 2127883.6/45



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: 540.195+/-222.920 χ^2/NDF: 19.7/22

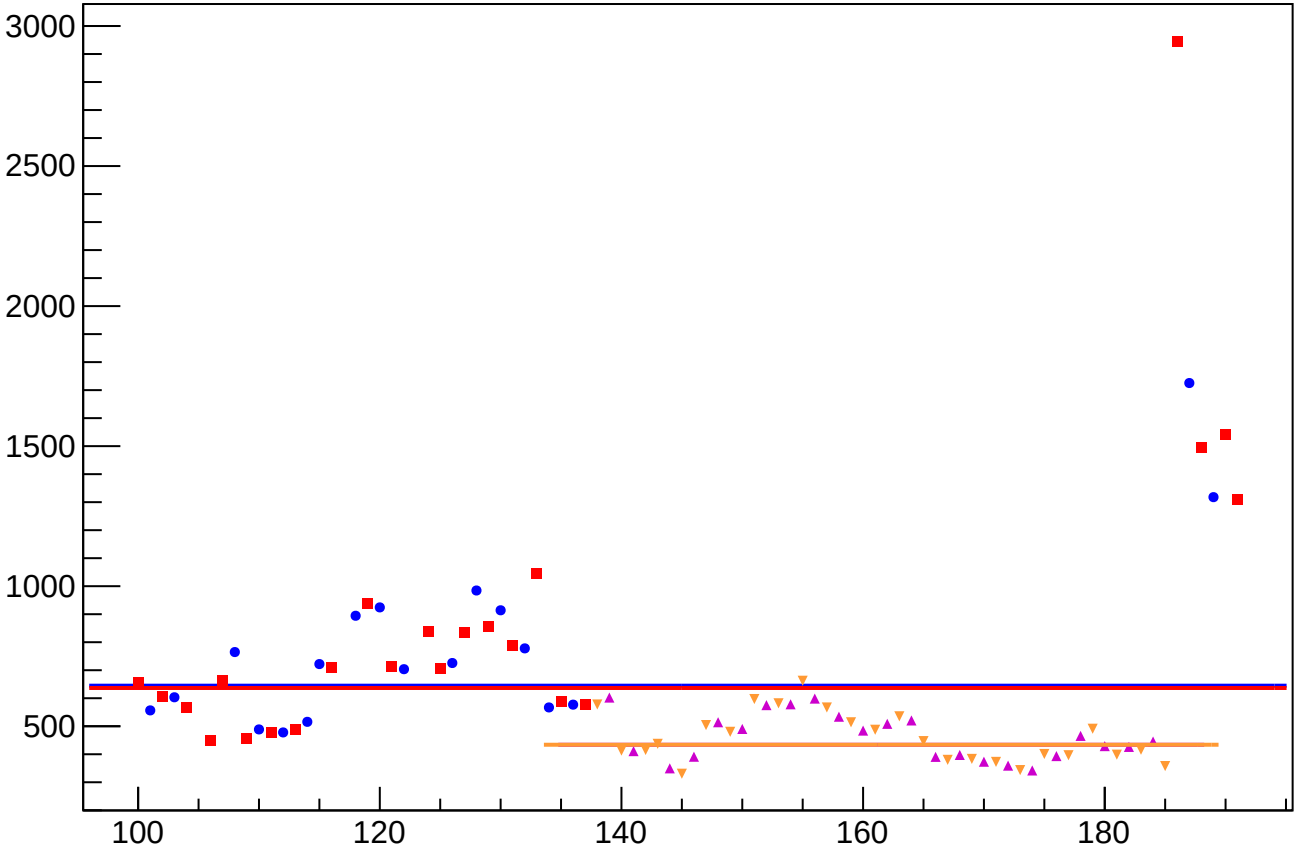
Left In: 75.662+/-103.128 χ^2/NDF:24.5/22

+ sign 440.327+/-92.647 χ^2/NDF: 92.0/42

All: 300.385+/-65.845 χ^2/NDF: 144.4/88

- sign 157.555+/-93.598 χ^2/NDF: 47.7/45

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: 636.575+/-0.158 χ^2/NDF: 2406657.9/22

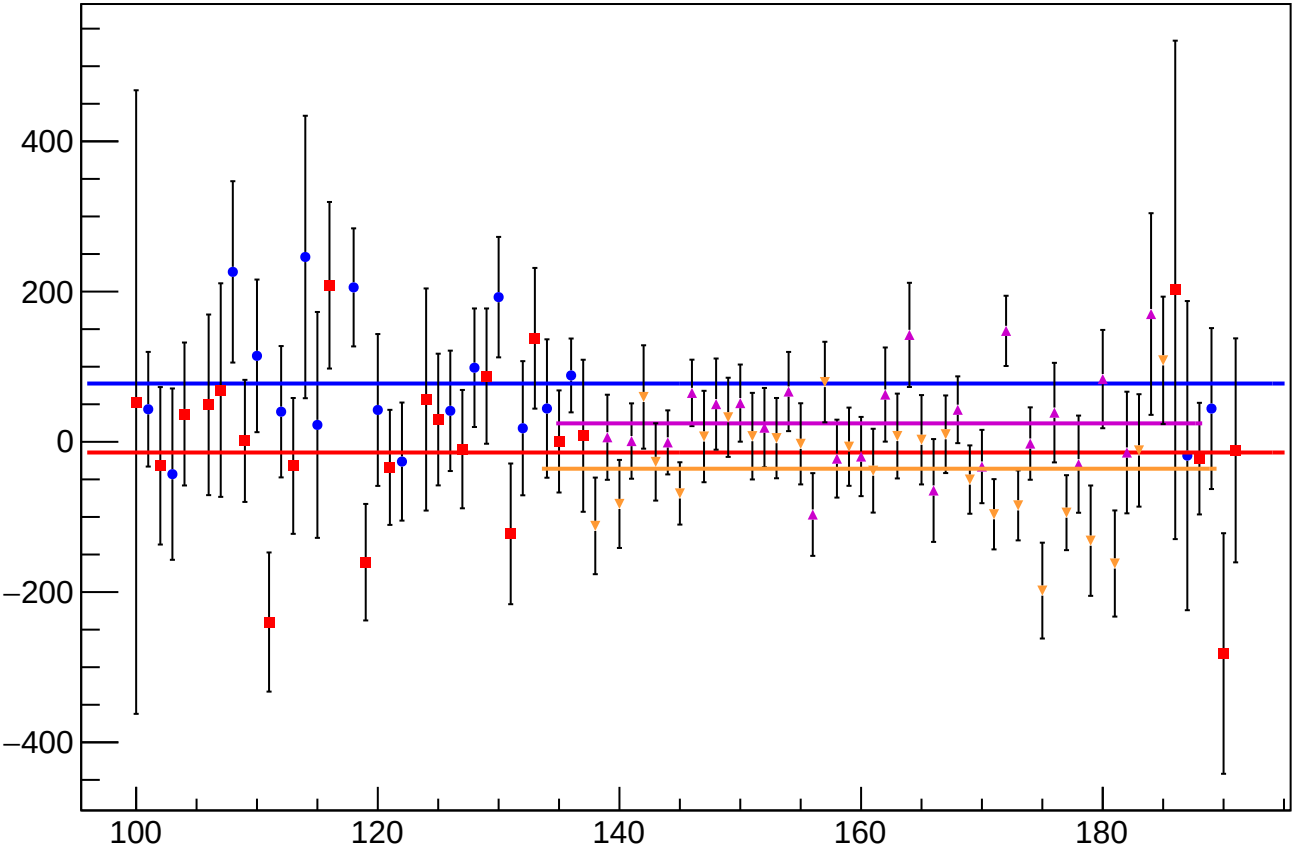
Left In: 433.722+/-0.073 χ^2/NDF:1094788.8/22

+ sign 465.695+/-0.066 χ^2/NDF: 3687530.0/42

All: 467.569+/-0.047 χ^2/NDF: 8554802.5/88

- sign 469.483+/-0.066 χ^2/NDF: 4865617.7/45

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: -14.212+/-20.364 χ^2/NDF: 23.7/22

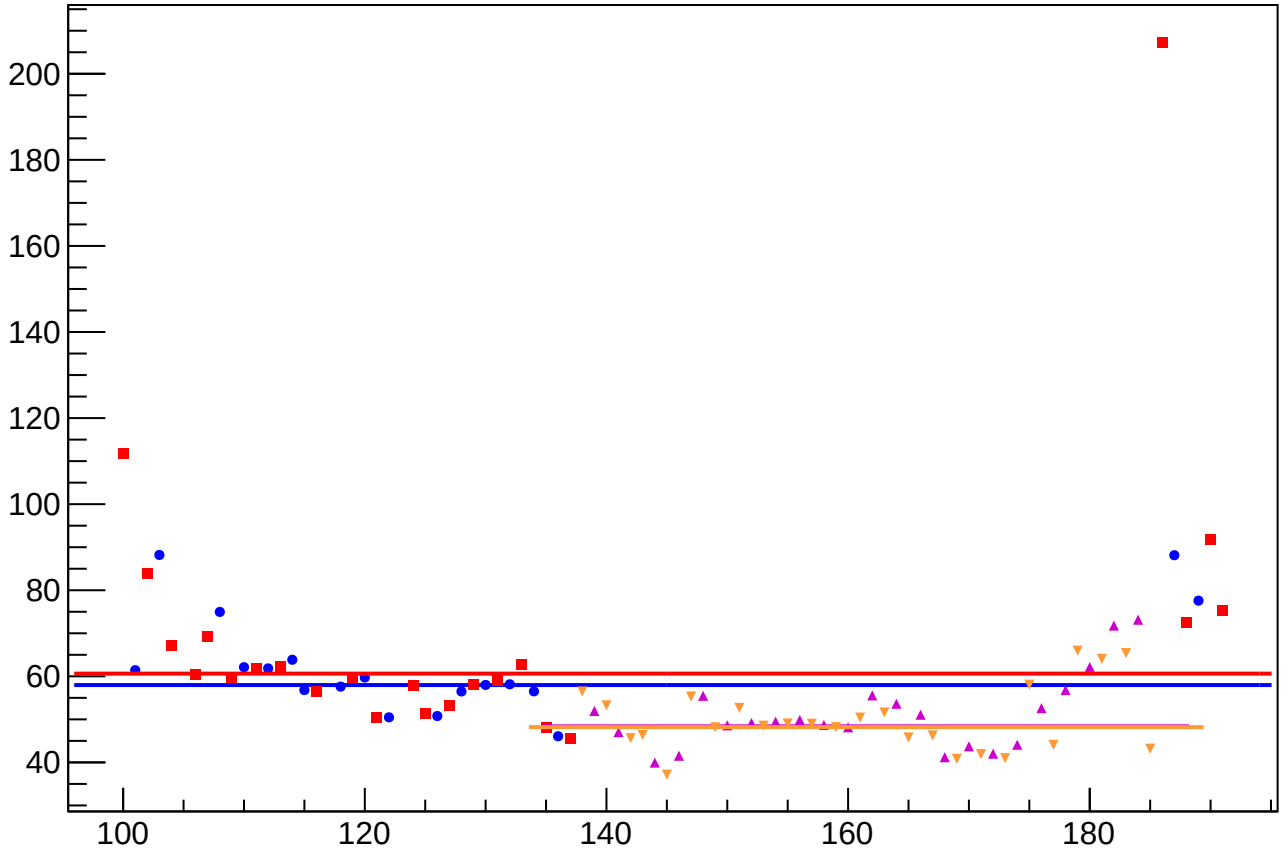
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

+ sign -10.860+/-9.821 χ^2/NDF: 68.4/42

All: 1.957+/-7.005 χ^2/NDF: 124.1/88

- sign 15.230+/-9.994 χ^2/NDF: 52.2/45

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

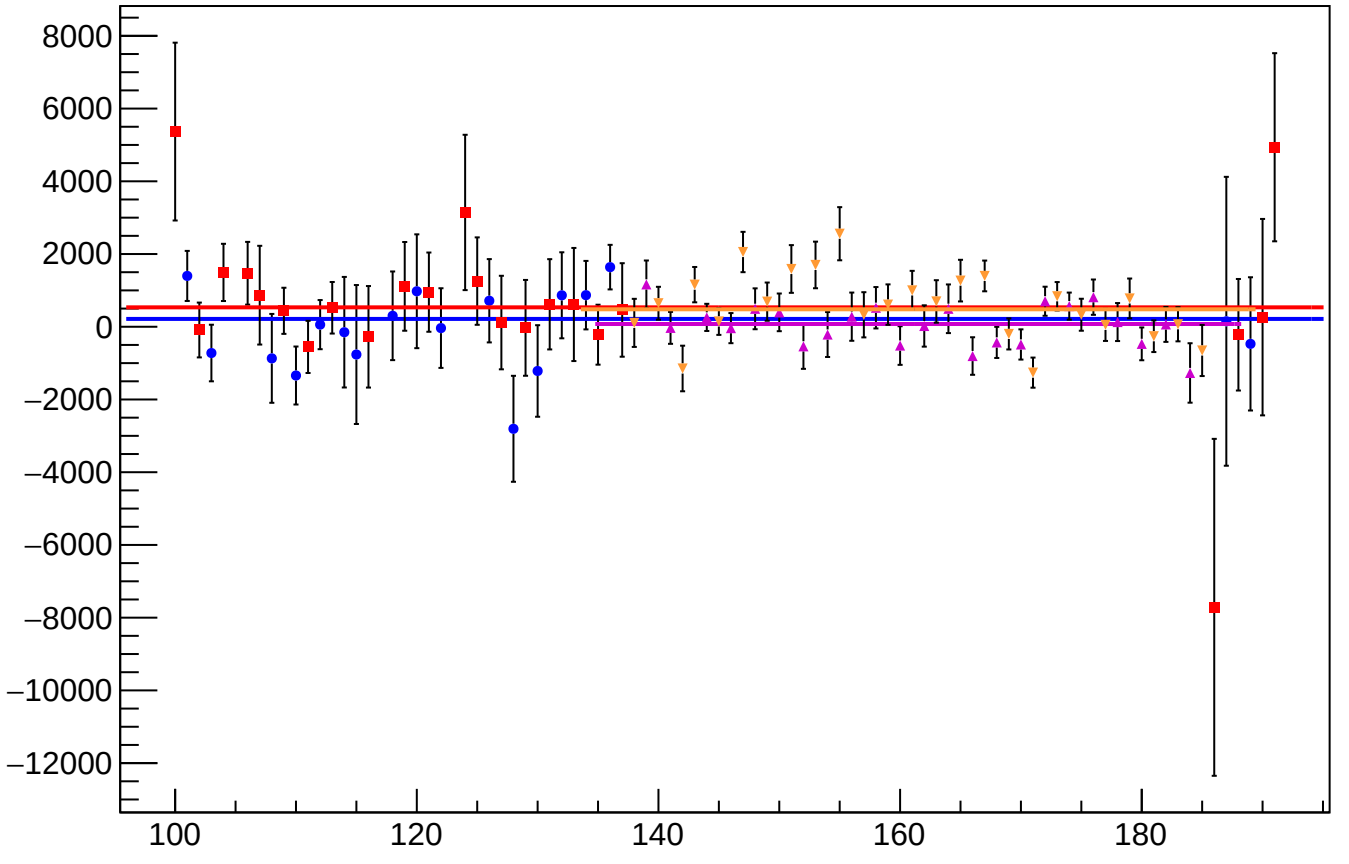
Right Out: 60.625+/-0.014 χ^2/NDF: 877468.9/22

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 50.347+/-0.007 χ^2/NDF: 1576973.6/42

All: 50.830+/-0.005 χ^2/NDF: 3708615.6/88

- sign 51.330+/-0.007 χ^2/NDF: 2121794.1/45



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: 533.736+/-224.347 χ^2/NDF: 19.7/22

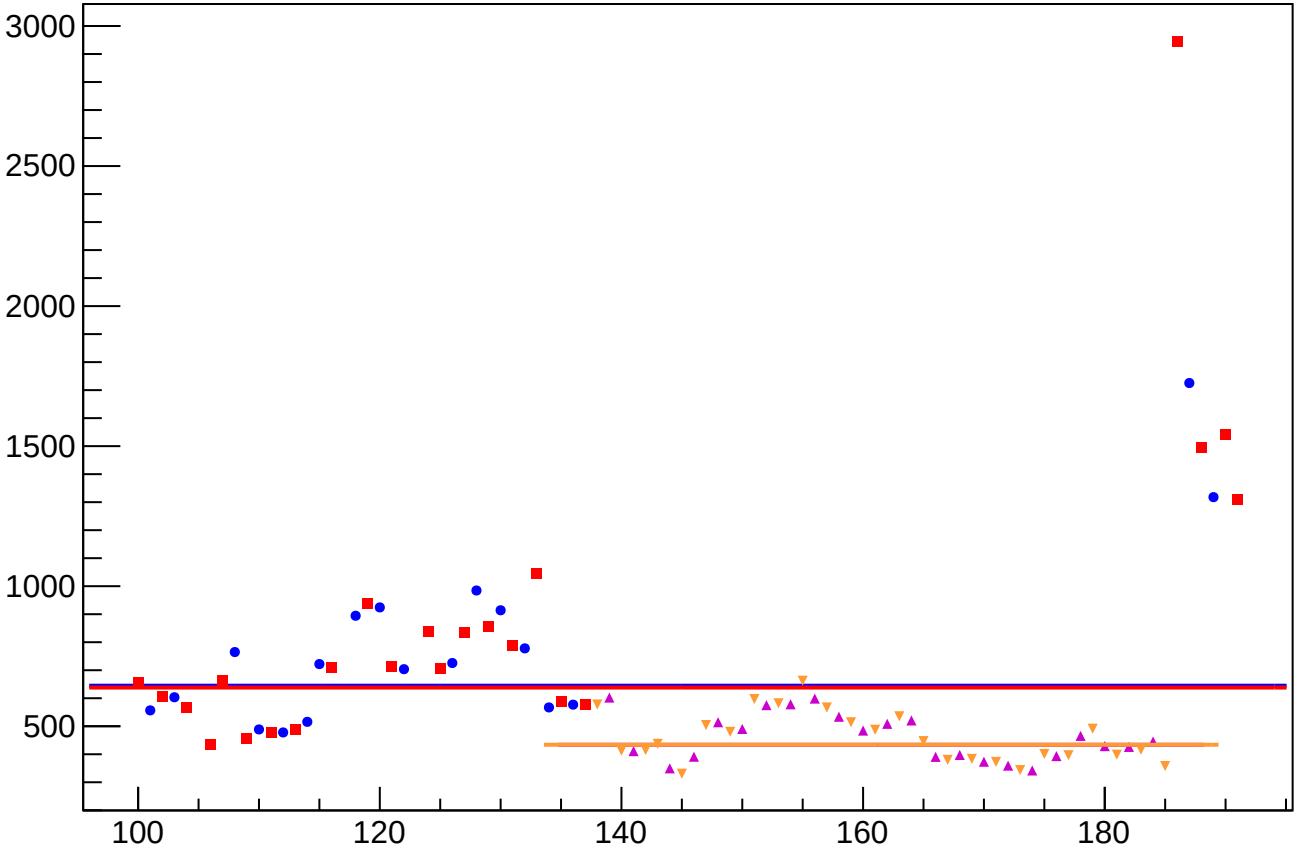
Left In: 75.665+/-103.128 χ^2/NDF:24.5/22

+ sign 440.329+/-92.647 χ^2/NDF: 92.0/42

All: 299.564+/-65.881 χ^2/NDF: 144.3/88

- sign 155.574+/-93.702 χ^2/NDF: 47.6/45

asym_sam_15_48_dd_cor_correction_rms vs Slug



Right In: 644.757+/-0.169 χ^2/NDF: 1119169.7/17

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

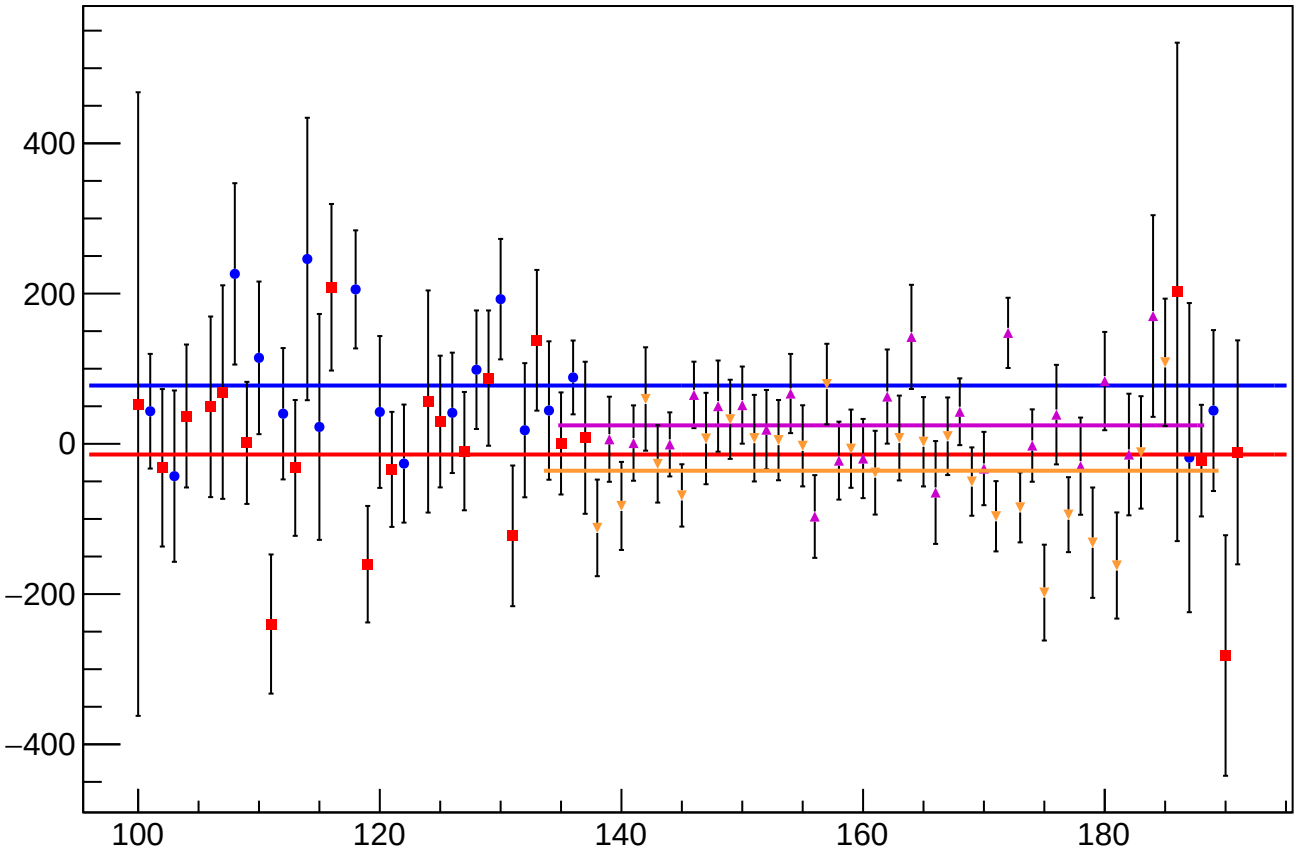
Right Out: 638.121+/-0.159 χ^2/NDF: 2402278.4/22

Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

+ sign 465.695+/-0.066 χ^2/NDF: 3687559.6/42

All: 467.516+/-0.047 χ^2/NDF: 8556742.5/88

- sign 469.379+/-0.066 χ^2/NDF: 4867620.0/45



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: -14.212+/-20.364 χ^2/NDF: 23.7/22

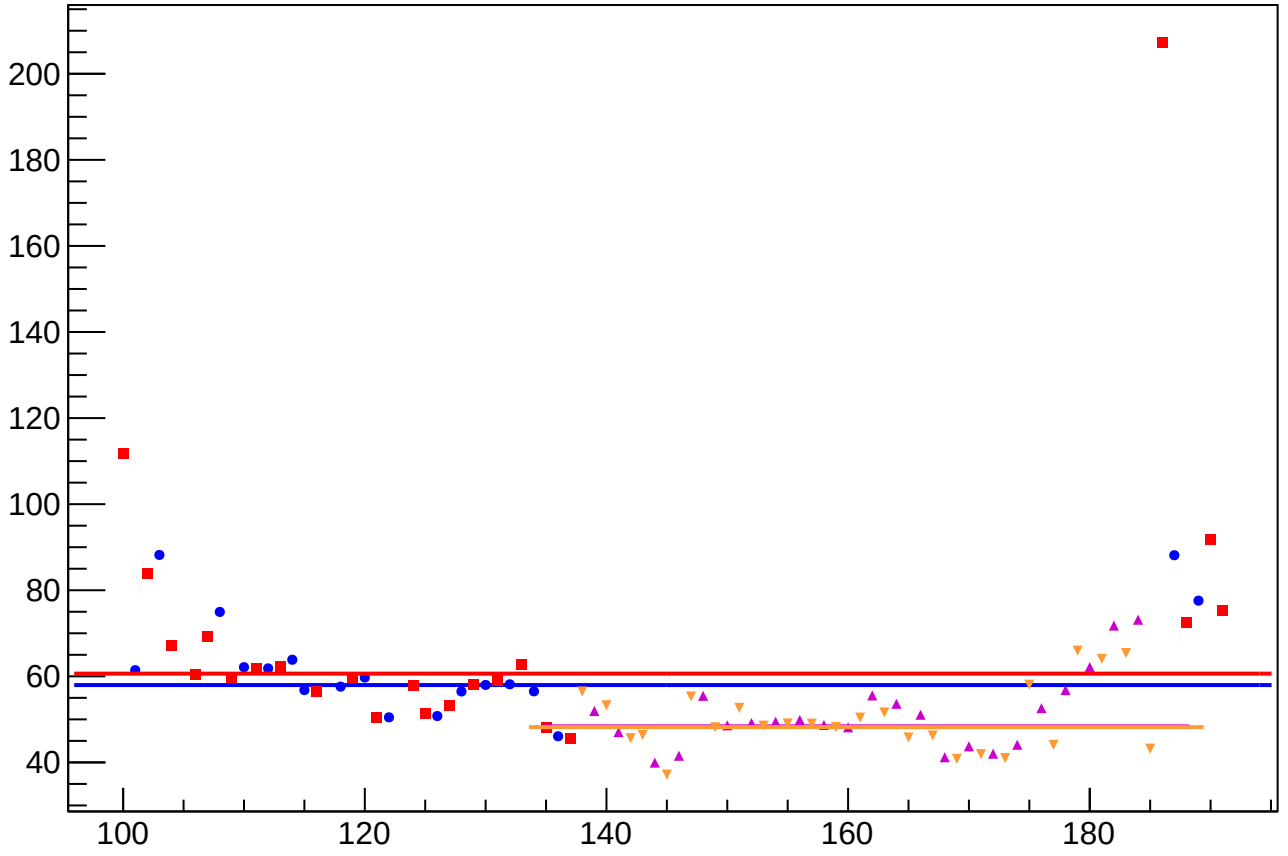
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

+ sign -10.860+/-9.821 χ^2/NDF: 68.4/42

All: 1.957+/-7.005 χ^2/NDF: 124.1/88

- sign 15.230+/-9.994 χ^2/NDF: 52.2/45

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

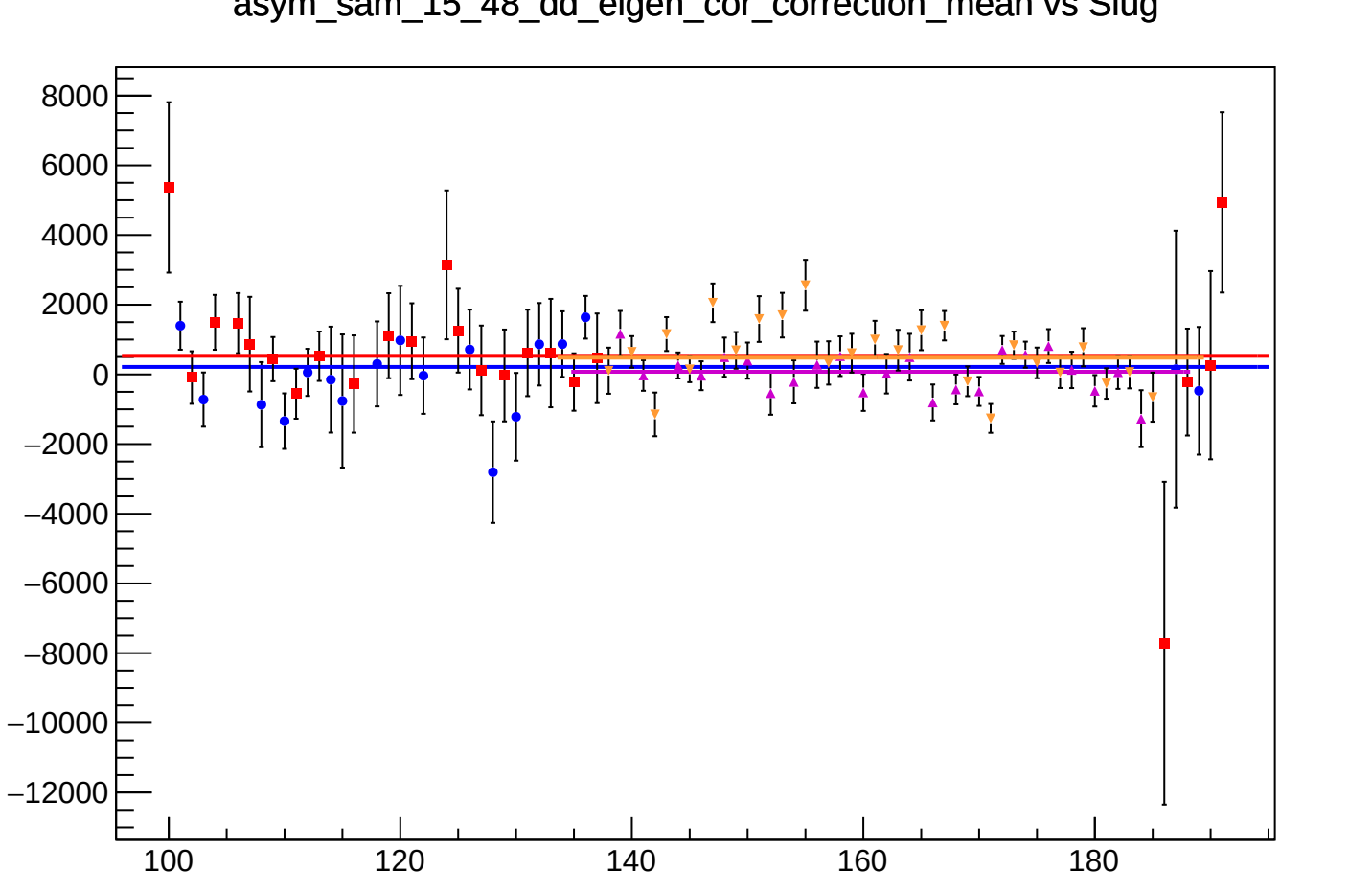
Right Out: 60.625+/-0.014 χ^2/NDF: 877468.9/22

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 50.347+/-0.007 χ^2/NDF: 1576973.6/42

All: 50.830+/-0.005 χ^2/NDF: 3708615.6/88

- sign 51.330+/-0.007 χ^2/NDF: 2121794.1/45



Right In: 215.407+/-238.730 χ^2/NDF: 21.8/17

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

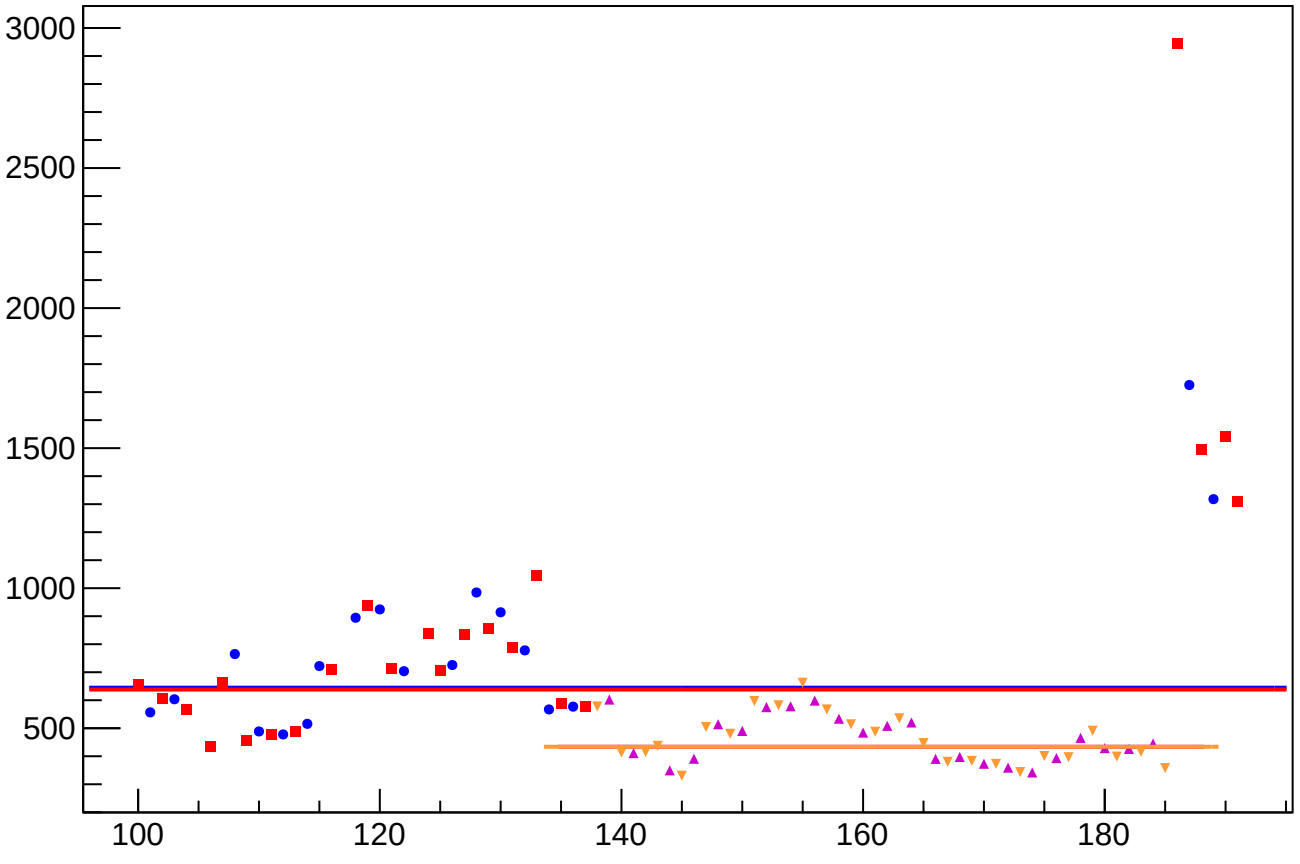
Right Out: 533.736+/-224.347 χ^2/NDF: 19.7/22

Left In: 75.665+/-103.128 χ^2/NDF:24.5/22

+ sign 440.329+/-92.647 χ^2/NDF: 92.0/42

All: 299.564+/-65.881 χ^2/NDF: 144.3/88

- sign 155.574+/-93.702 χ^2/NDF: 47.6/45



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: 638.121+/-0.159 χ^2/NDF: 2402278.4/22

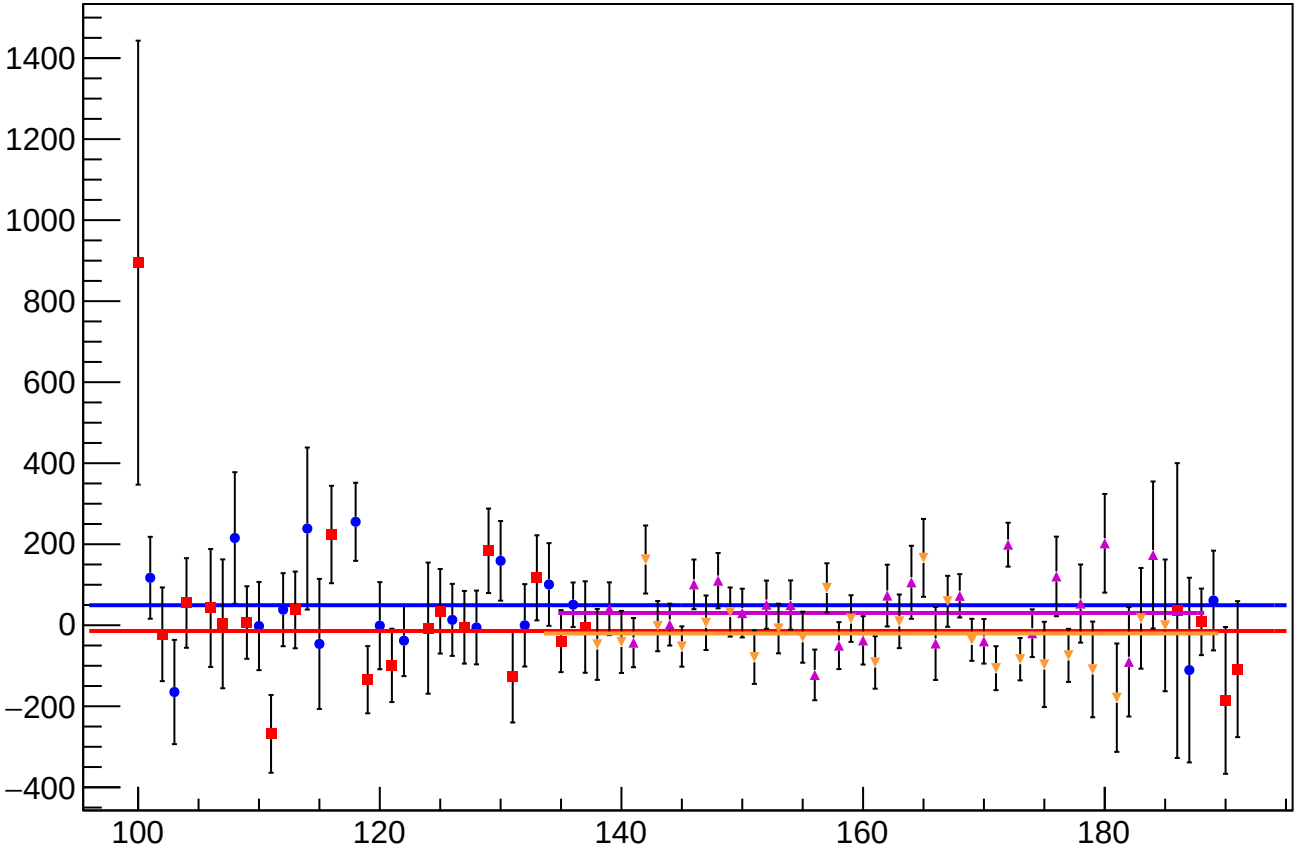
Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

+ sign 465.695+/-0.066 χ^2/NDF: 3687559.6/42

All: 467.516+/-0.047 χ^2/NDF: 8556742.5/88

- sign 469.379+/-0.066 χ^2/NDF: 4867620.0/45

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: -14.131+/-22.870 χ^2/NDF: 25.3/22

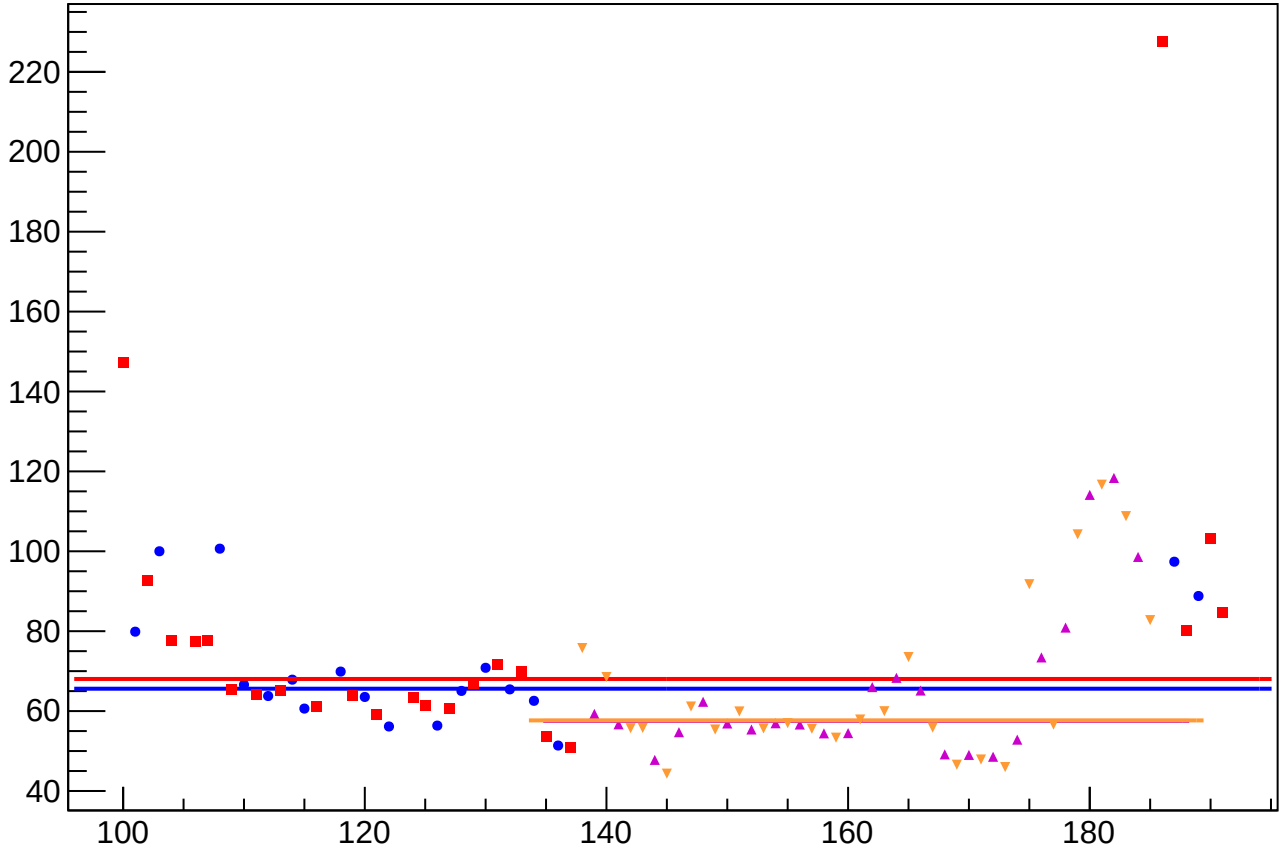
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

+ sign -3.131+/-11.843 χ^2/NDF: 45.9/42

All: 7.473+/-8.404 χ^2/NDF: 108.2/88

- sign 18.229+/-11.927 χ^2/NDF: 60.7/45

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: 68.041+/-0.016 χ^2/NDF: 867999.8/22

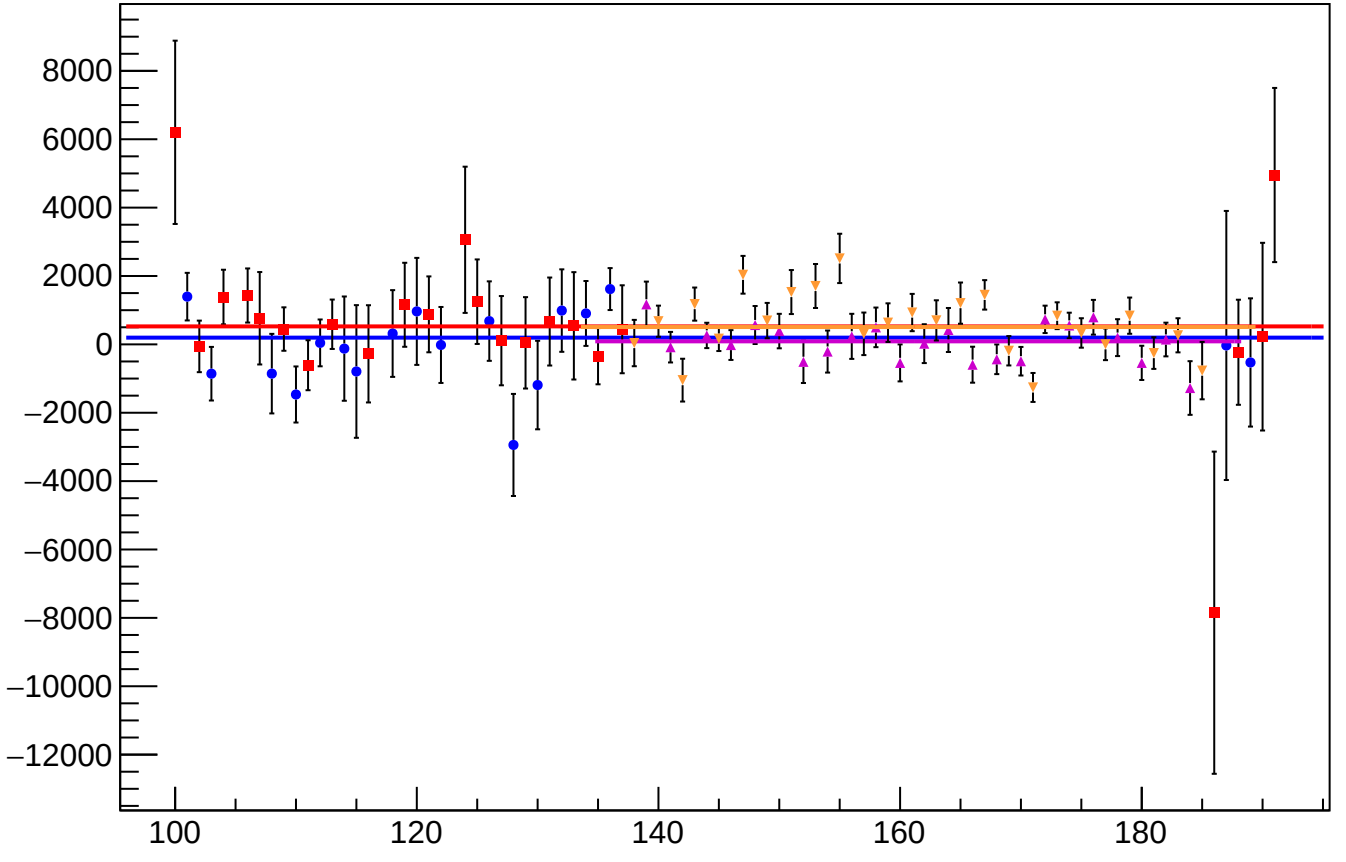
Left In: 57.539+/-0.010 χ^2/NDF:1443279.4/22

+ sign 59.618+/-0.008 χ^2/NDF: 2656587.2/42

All: 60.004+/-0.006 χ^2/NDF: 5279167.1/88

- sign 60.396+/-0.008 χ^2/NDF: 2618299.1/45

asym_sam_15_48_dd_dit_correction_mean vs Slug



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: 525.770+/-225.236 χ^2/NDF: 20.3/22

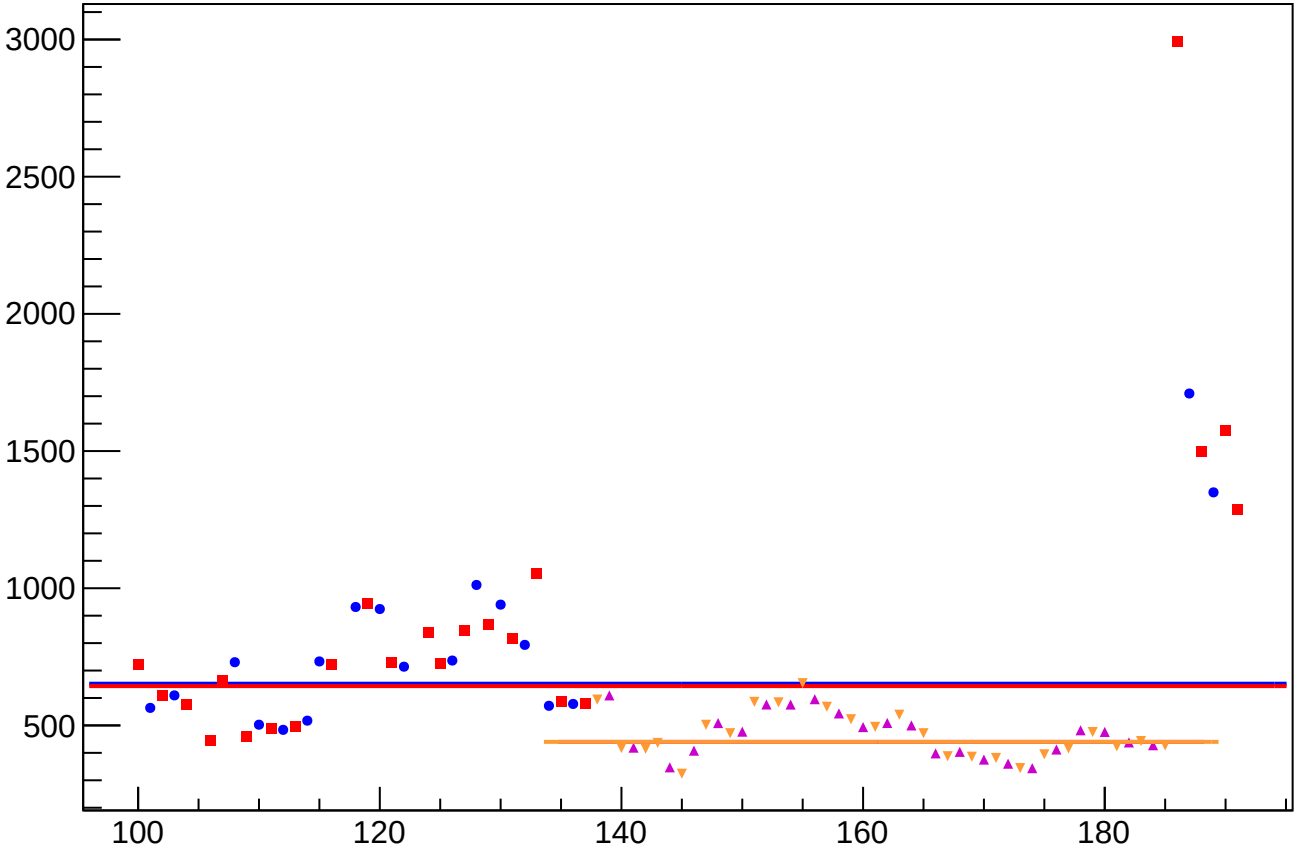
Left In: 88.471+/-104.542 χ^2/NDF:23.3/22

+ sign 460.309+/-93.777 χ^2/NDF: 89.8/42

All: 314.781+/-66.678 χ^2/NDF: 141.3/88

- sign 165.980+/-94.825 χ^2/NDF: 46.7/45

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: 643.245+/-0.159 χ^2/NDF: 2418899.4/22

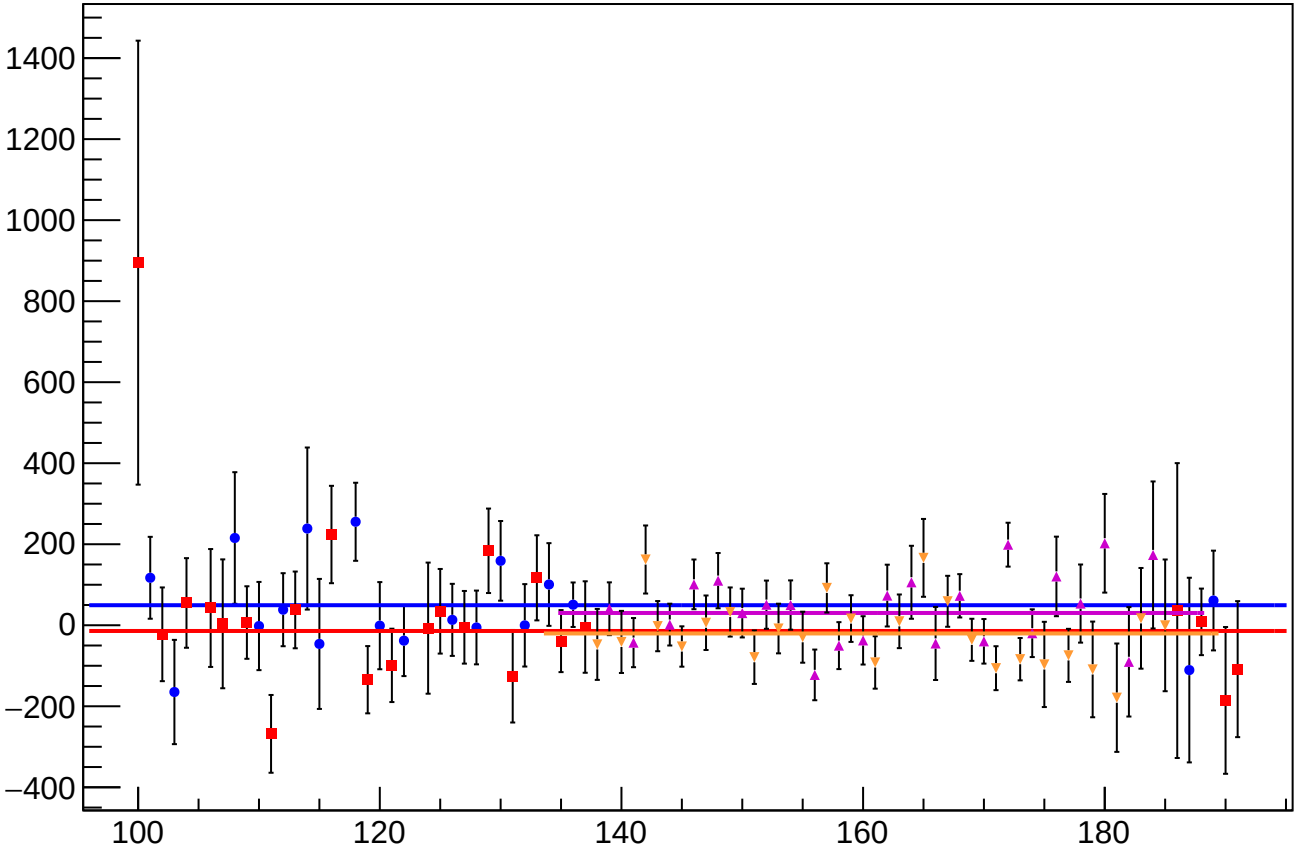
Left In: 439.877+/-0.074 χ^2/NDF:1061910.1/22

+ sign 472.079+/-0.066 χ^2/NDF: 3641187.7/42

All: 473.980+/-0.047 χ^2/NDF: 8465157.7/88

- sign 475.923+/-0.067 χ^2/NDF: 4822308.4/45

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: -14.131+/-22.870 χ^2/NDF: 25.3/22

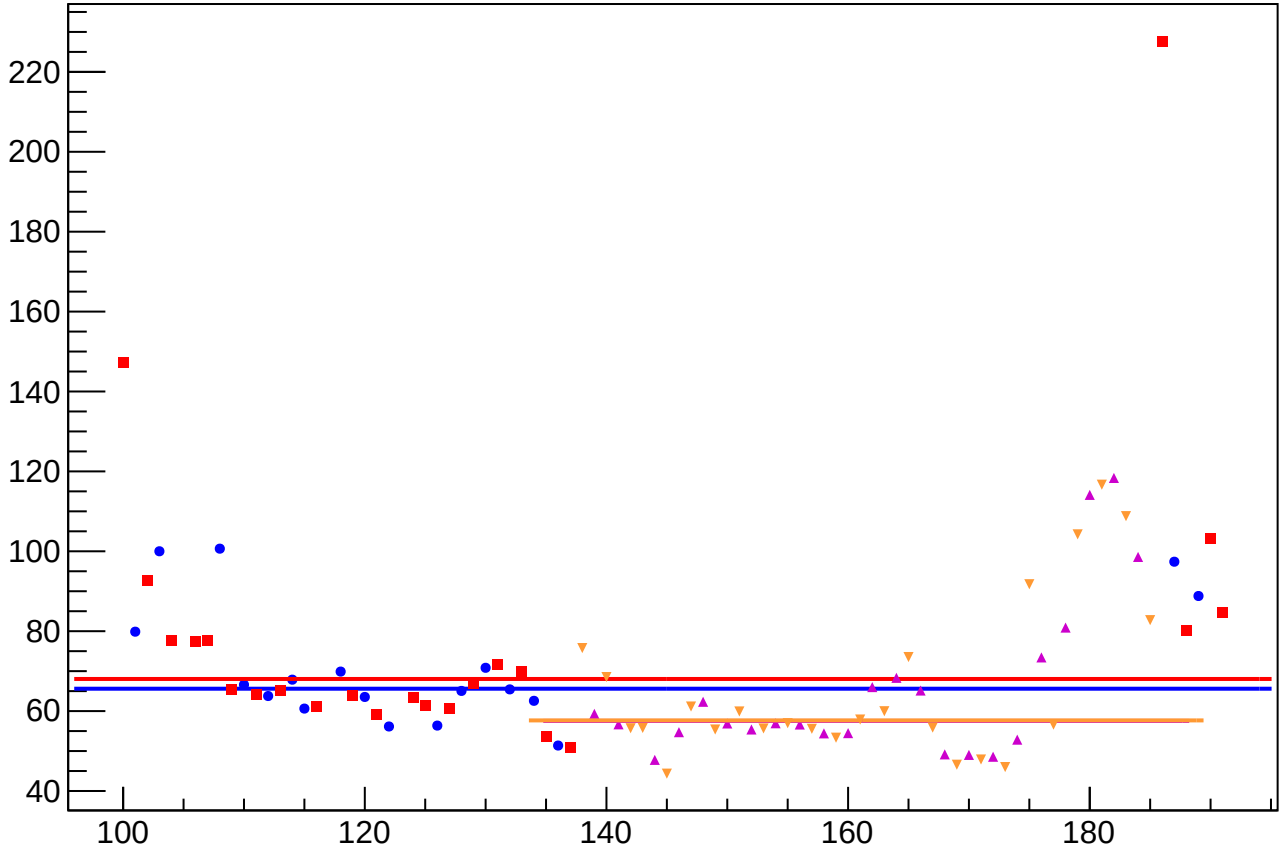
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

+ sign -3.132+/-11.843 χ^2/NDF: 45.9/42

All: 7.473+/-8.404 χ^2/NDF: 108.2/88

- sign 18.229+/-11.927 χ^2/NDF: 60.7/45

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

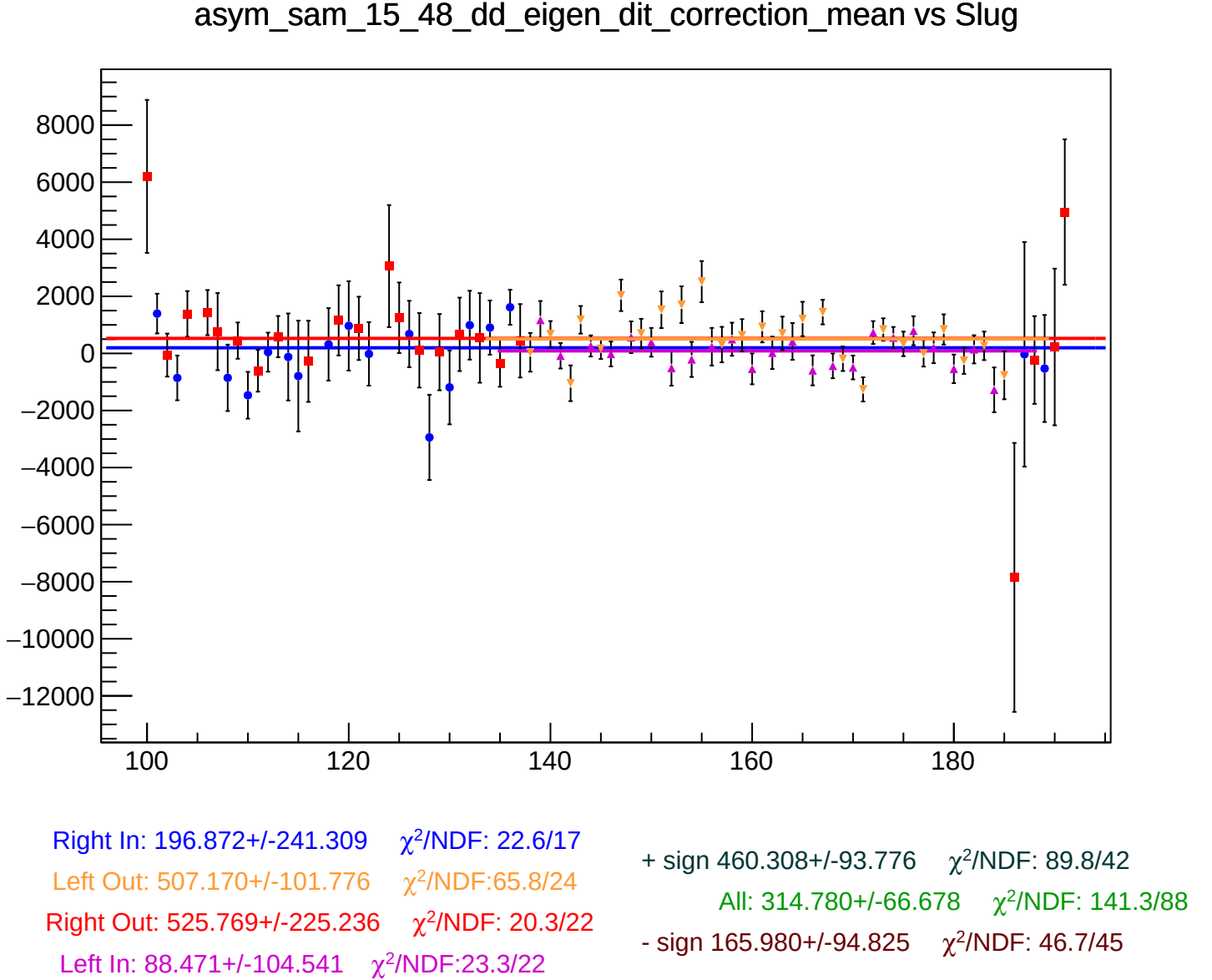
Right Out: 68.041+/-0.016 χ^2/NDF: 868011.6/22

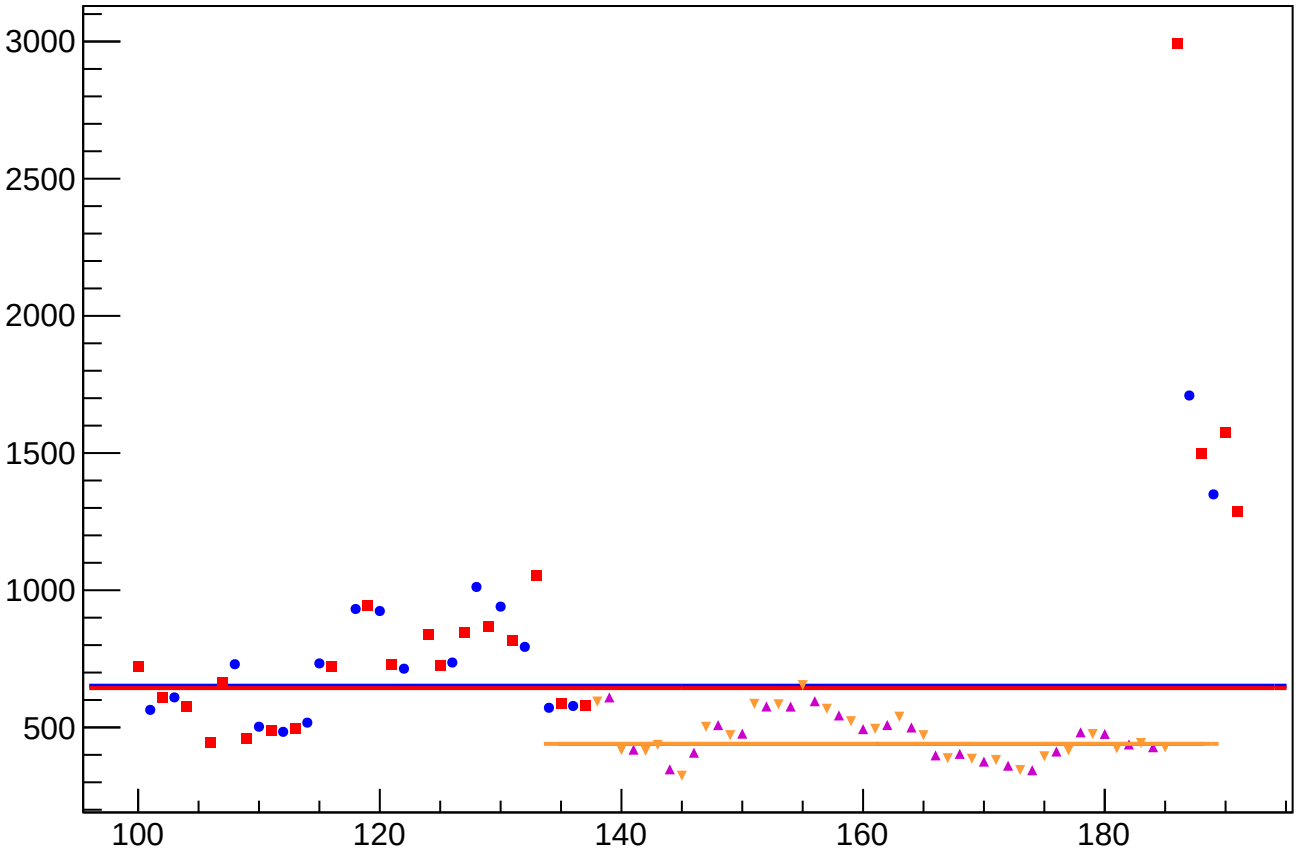
Left In: 57.539+/-0.010 χ^2/NDF:1443262.3/22

+ sign 59.618+/-0.008 χ^2/NDF: 2656570.7/42

All: 60.004+/-0.006 χ^2/NDF: 5279134.1/88

- sign 60.396+/-0.008 χ^2/NDF: 2618283.3/45


asym_sam_15_48_dd_eigen_dit_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
Right In: 196.872+/-241.309 χ²/NDF: 22.6/17
Left Out: 507.170+/-101.776 χ²/NDF:65.8/24
Right Out: 525.769+/-225.236 χ²/NDF: 20.3/22
Left In: 88.471+/-104.541 χ²/NDF:23.3/22
+ sign 460.308+/-93.776 χ²/NDF: 89.8/42
All: 314.780+/-66.678 χ²/NDF: 141.3/88
- sign 165.980+/-94.825 χ²/NDF: 46.7/45



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: 643.244+/-0.159 χ^2/NDF: 2418901.4/22

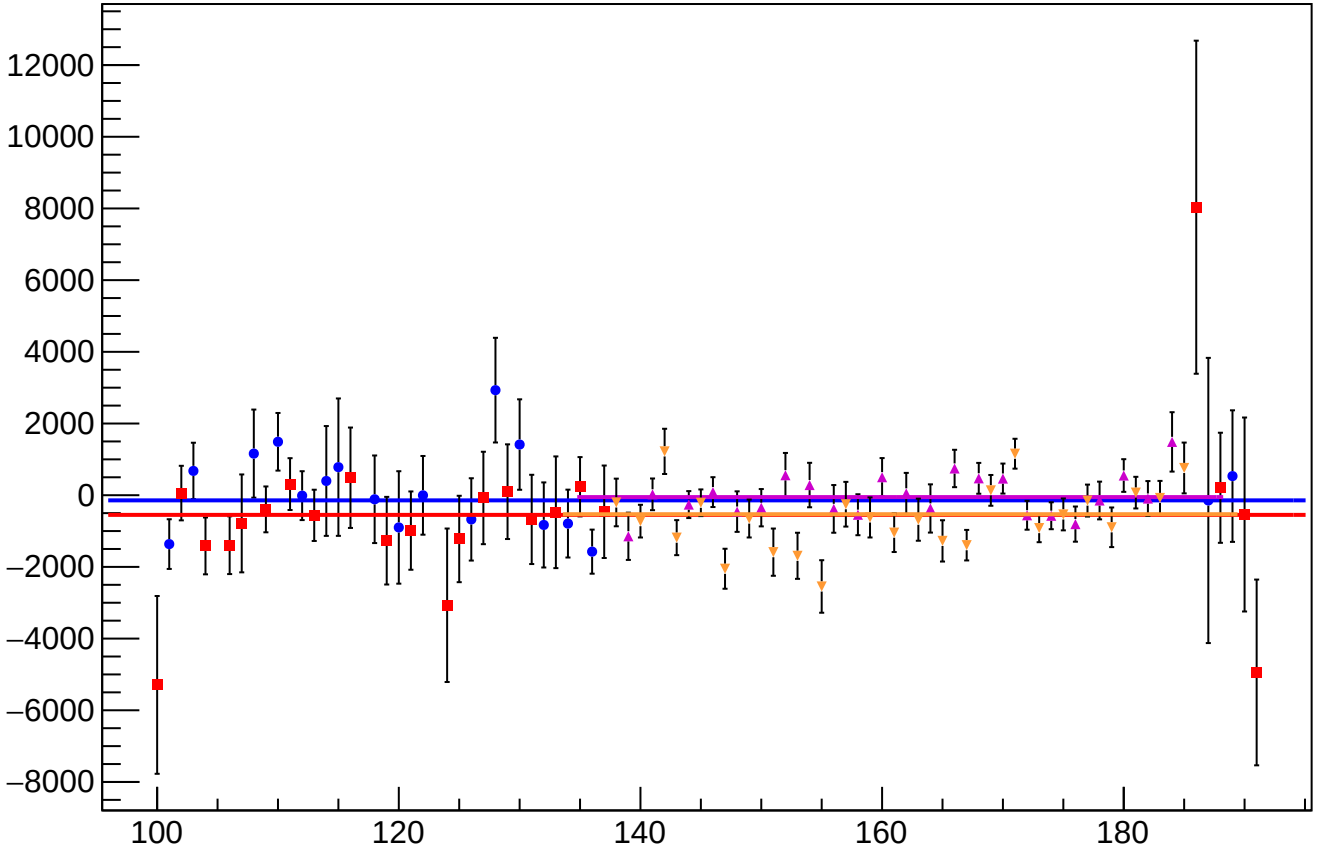
Left In: 439.876+/-0.074 χ^2/NDF:1061916.6/22

+ sign 472.078+/-0.066 χ^2/NDF: 3641205.6/42

All: 473.978+/-0.047 χ^2/NDF: 8465193.5/88

- sign 475.922+/-0.067 χ^2/NDF: 4822326.4/45

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: -548.770+/-224.488 χ^2/NDF: 18.7/22

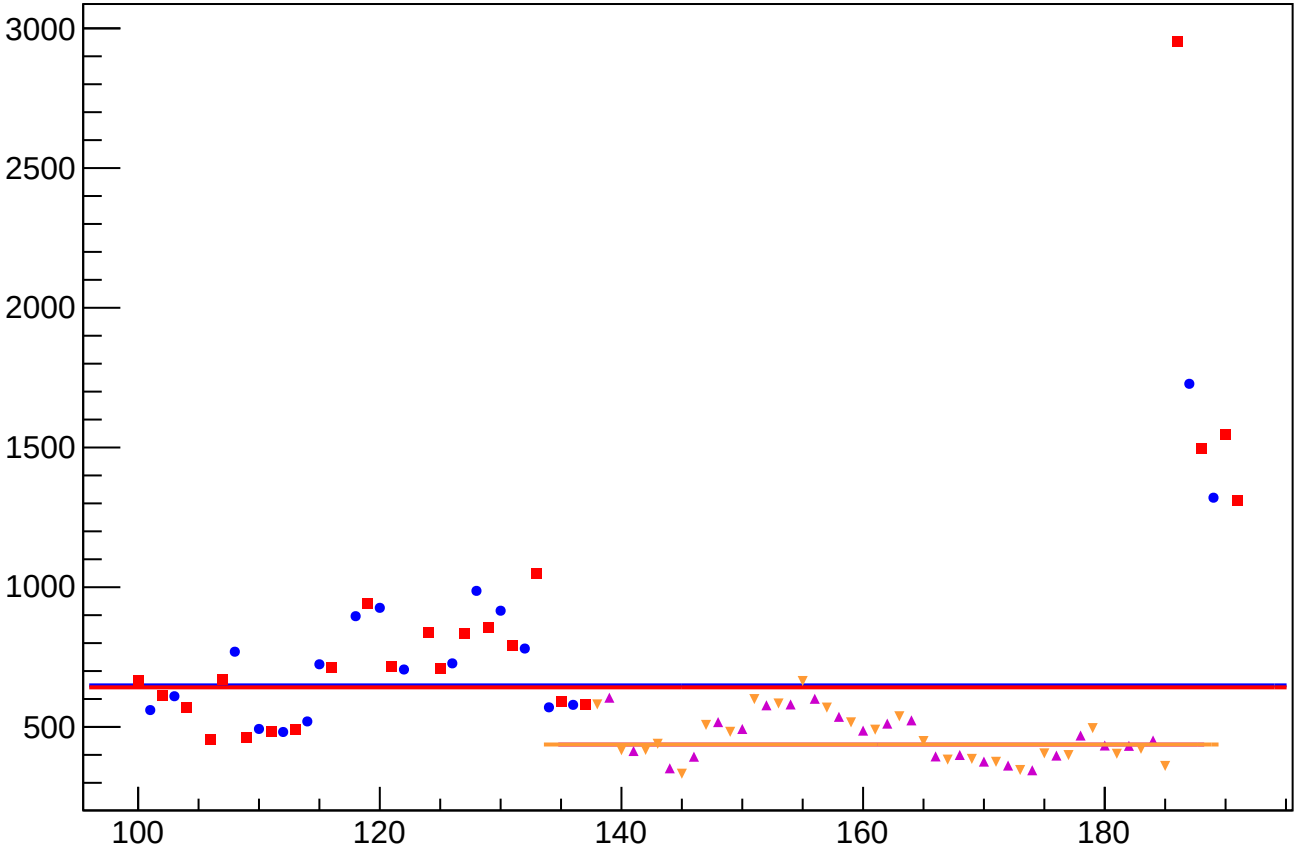
Left In: -52.554+/-103.870 χ^2/NDF:24.1/22

\+ sign -473.018+/-93.288 χ^2/NDF: 90.4/42

All: -308.276+/-66.308 χ^2/NDF: 143.5/88

\- sign -140.055+/-94.268 χ^2/NDF: 46.8/45

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

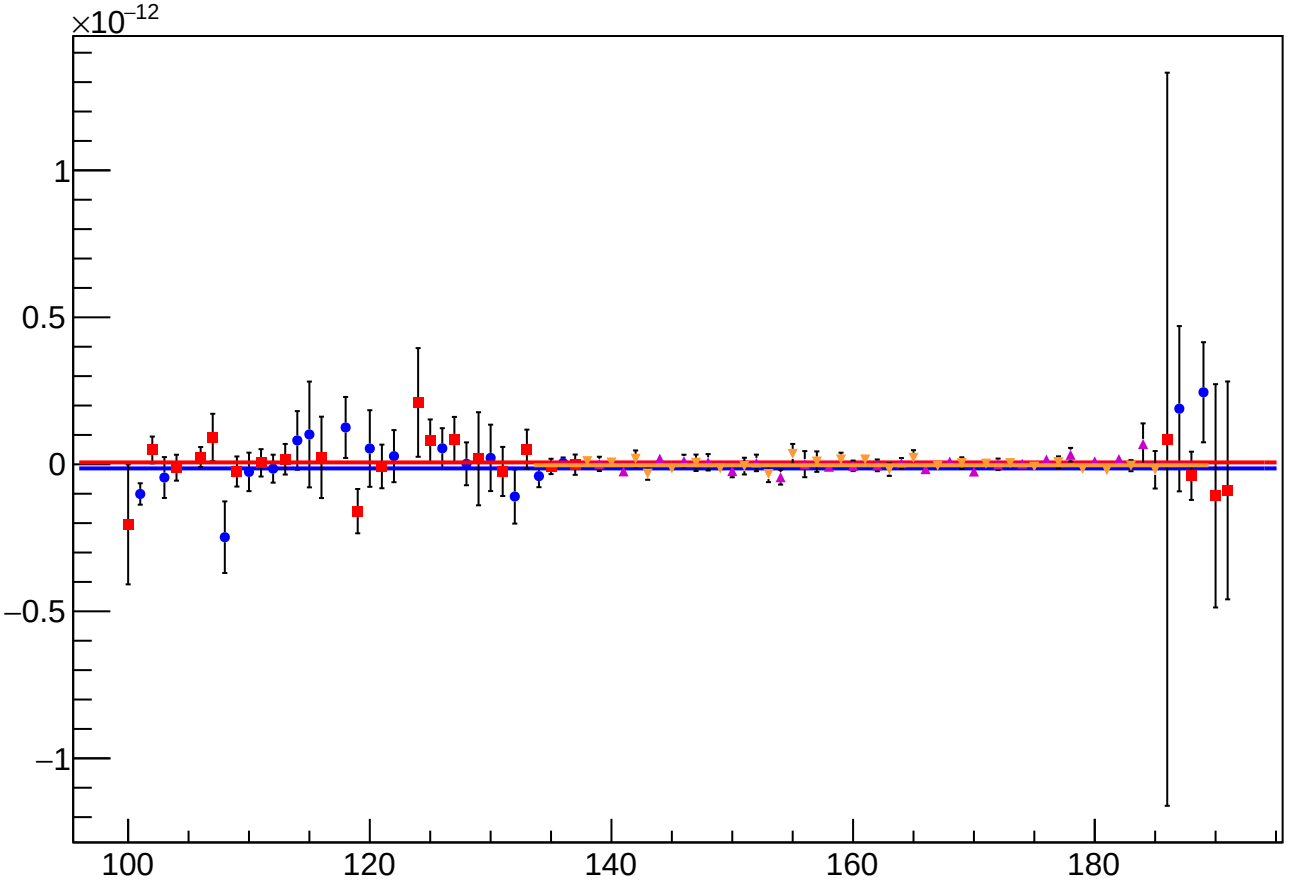
Right Out: 641.657+/-0.159 χ^2/NDF: 2375003.2/22

Left In: 436.937+/-0.073 χ^2/NDF:1080038.0/22

+ sign 469.103+/-0.066 χ^2/NDF: 3650719.3/42

All: 471.050+/-0.047 χ^2/NDF: 8477486.7/88

- sign 473.037+/-0.067 χ^2/NDF: 4825008.0/45



Right In: -0.000+/-0.000 χ^2/NDF: 19.8/17

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/24

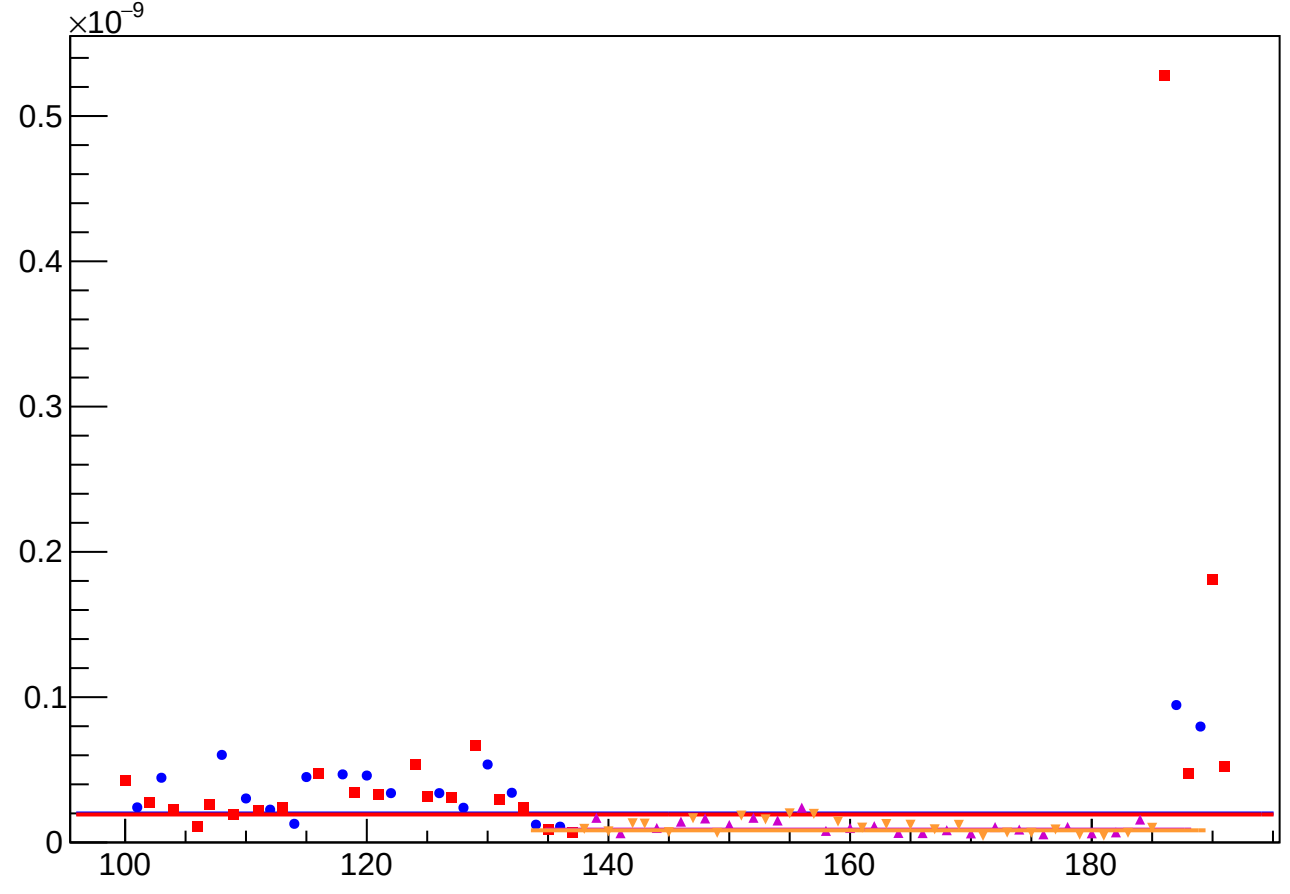
Right Out: 0.000+/-0.000 χ^2/NDF: 13.4/22

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: 71.1/88

- sign -0.000+/-0.000 χ^2/NDF: 35.9/45



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: 2396784.2/22

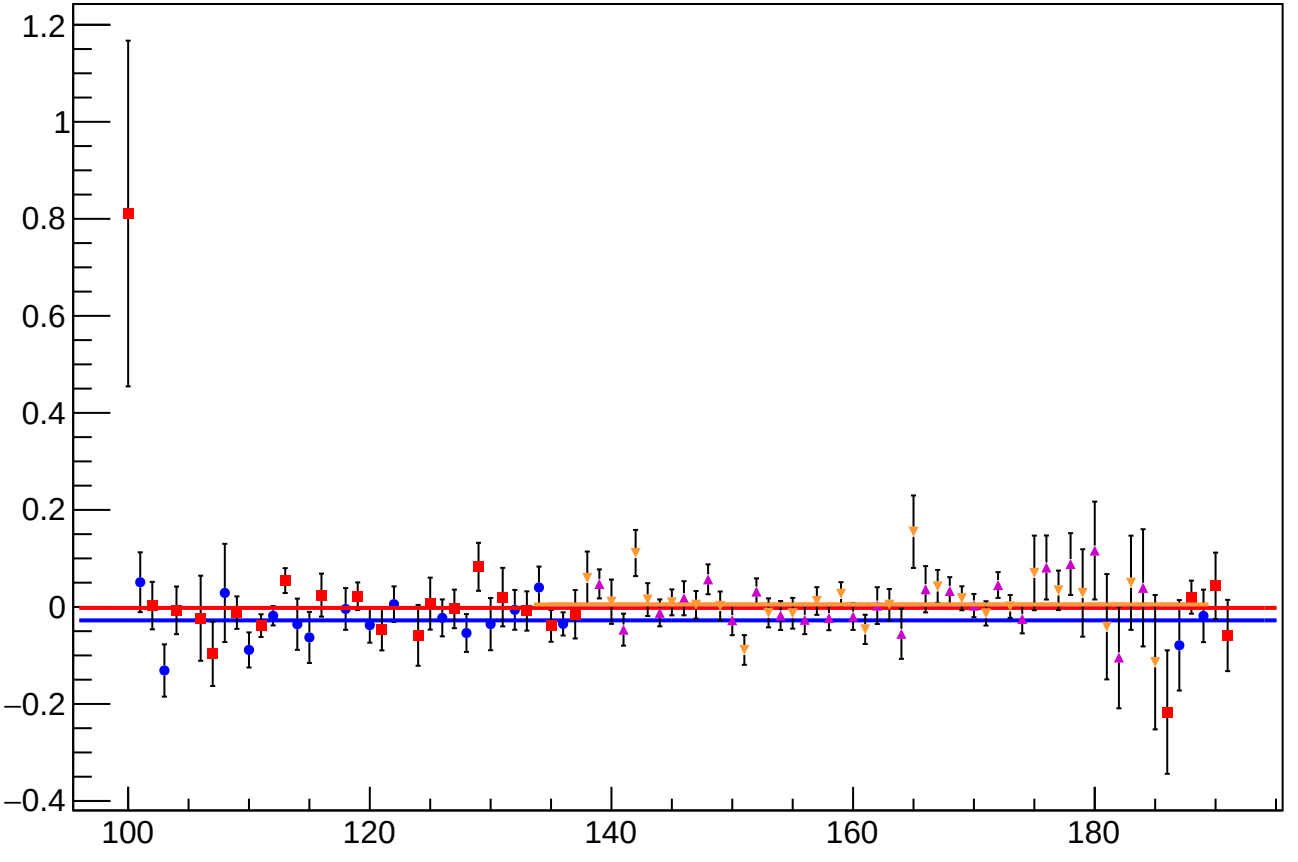
Left In: 0.000+/-0.000 χ^2/NDF:1644276.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 5918994.5/42

All: 0.000+/-0.000 χ^2/NDF: 11362577.4/88

- sign 0.000+/-0.000 χ^2/NDF: 5416157.5/45

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: 26.4/22

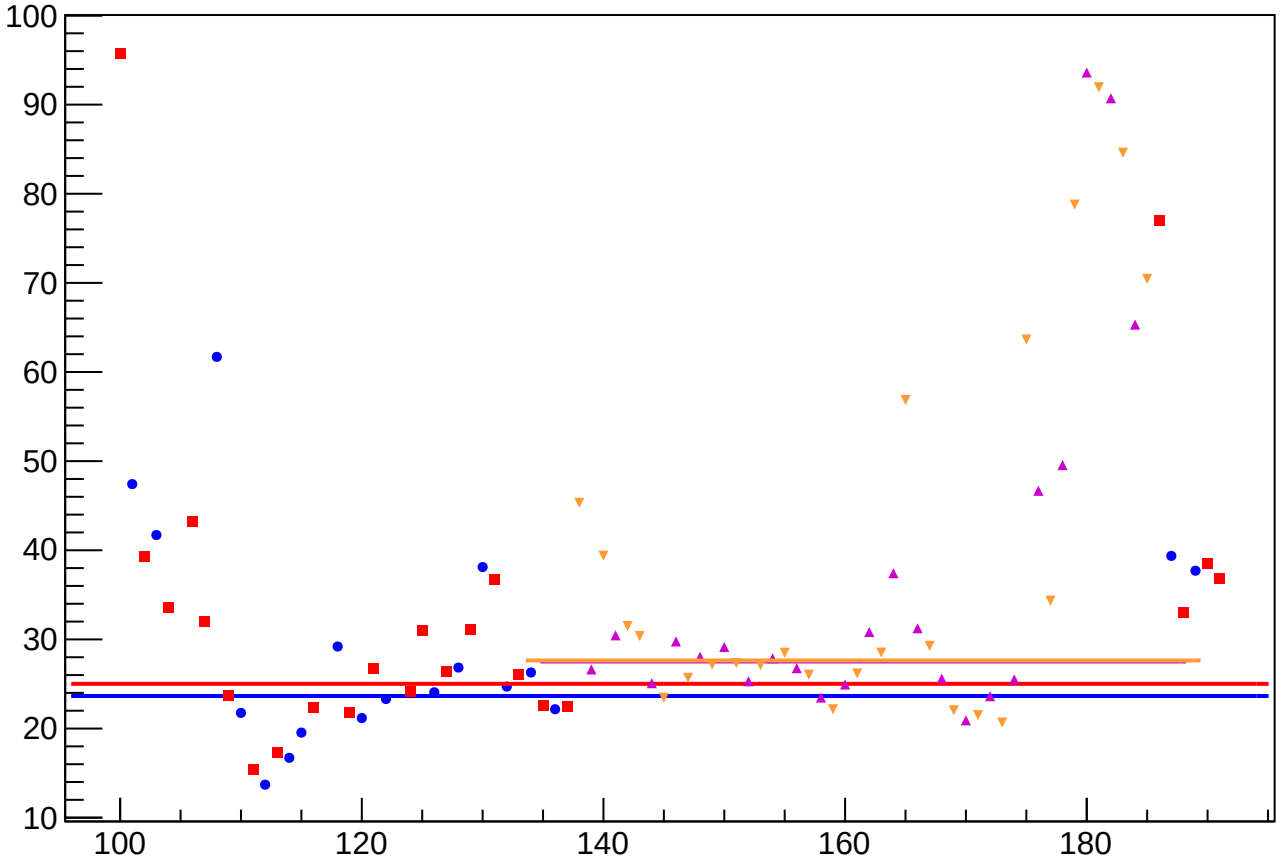
Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.007+/-0.005 χ^2/NDF: 50.6/42

All: -0.002+/-0.004 χ^2/NDF: 103.7/88

- sign 0.002+/-0.005 χ^2/NDF: 51.9/45

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

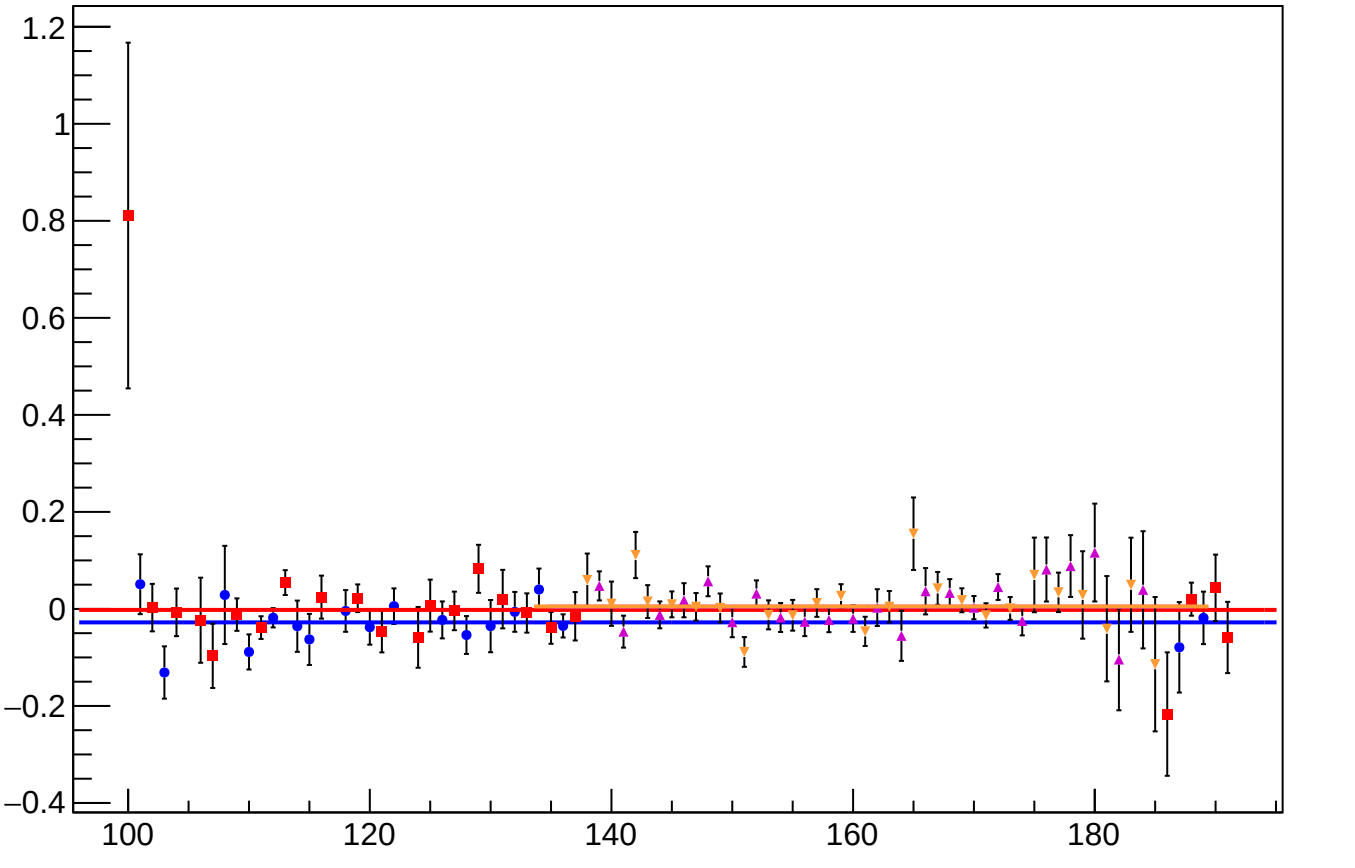
Right Out: 25.015+/-0.006 χ^2/NDF: 1702947.1/22

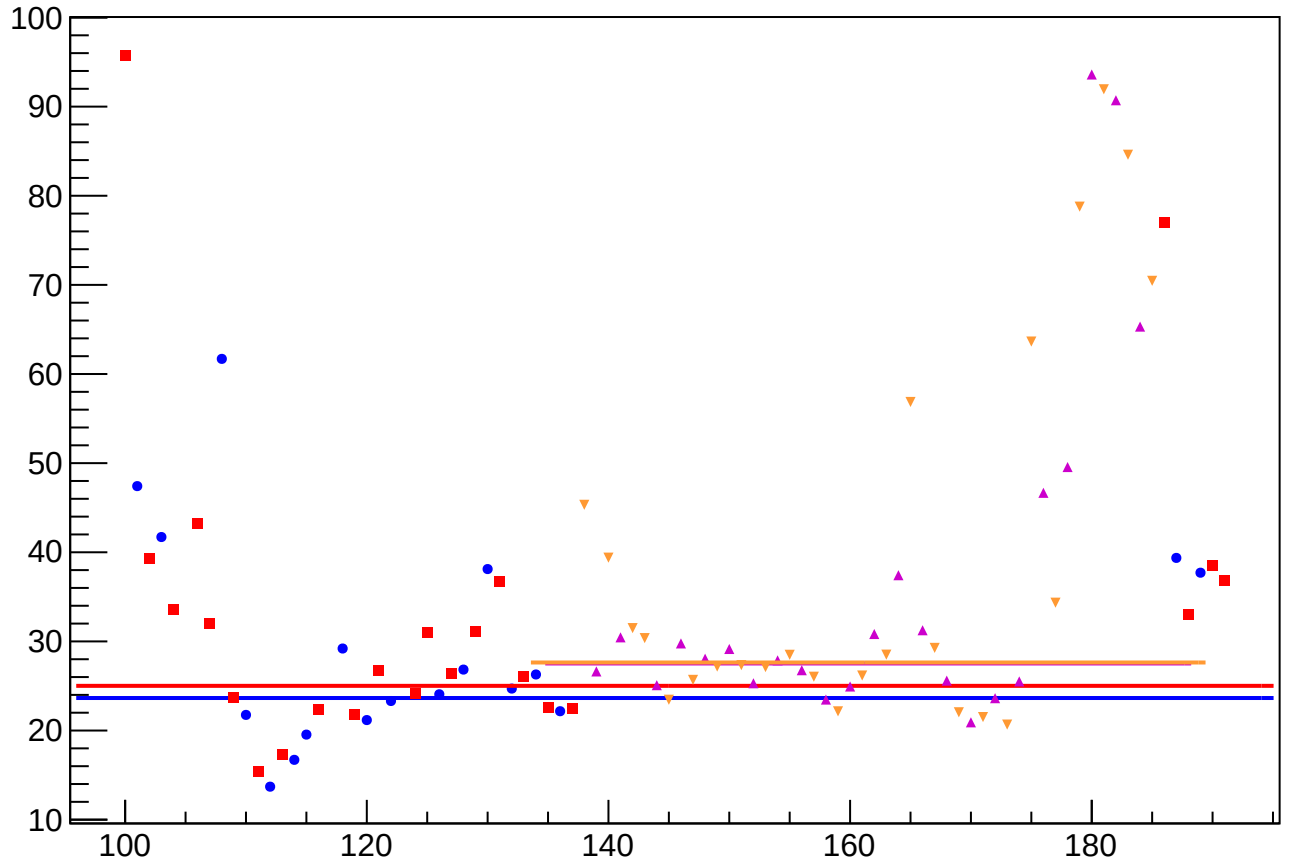
Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

+ sign 26.216+/-0.004 χ^2/NDF: 5979427.8/42

All: 26.386+/-0.003 χ^2/NDF: 10420512.3/88

- sign 26.555+/-0.004 χ^2/NDF: 4437252.7/45


asym_sam_15_48_dd_dit_vs_eigen_cor_diff_mean vs Slug
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
120
140
160
180
Right In: -0.028+/-0.009 χ²/NDF: 14.0/17
Left Out: 0.005+/-0.007 χ²/NDF:28.4/24
Right Out: -0.002+/-0.009 χ²/NDF: 26.4/22
Left In: 0.005+/-0.007 χ²/NDF:25.1/22
+ sign -0.007+/-0.005 χ²/NDF: 50.6/42
All: -0.002+/-0.004 χ²/NDF: 103.7/88
- sign 0.002+/-0.005 χ²/NDF: 51.9/45



Right In: 23.649+/-0.007 χ^2/NDF: 1764182.9/17

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

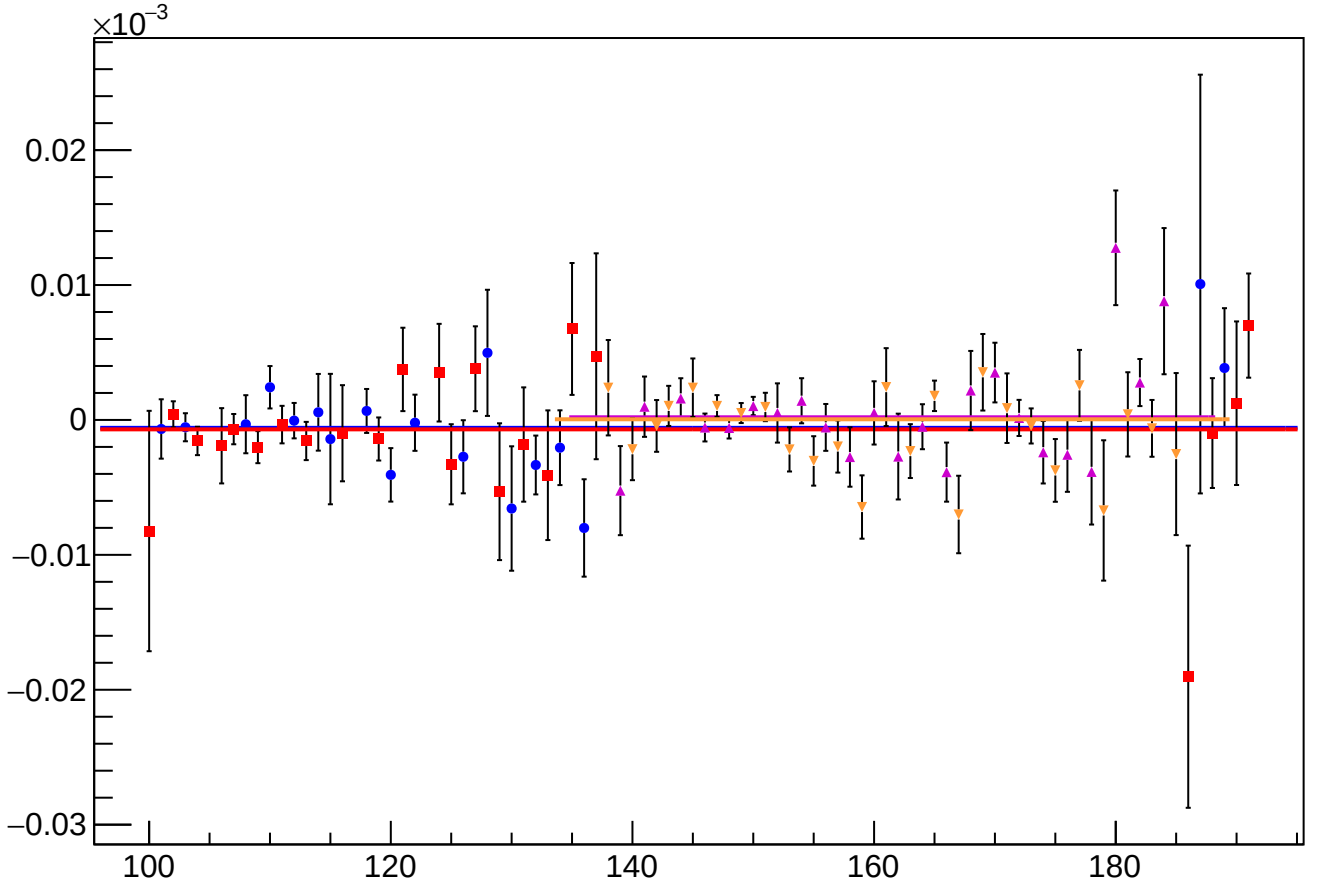
Right Out: 25.015+/-0.006 χ^2/NDF: 1702947.1/22

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

+ sign 26.216+/-0.004 χ^2/NDF: 5979427.8/42

All: 26.386+/-0.003 χ^2/NDF: 10420512.3/88

- sign 26.555+/-0.004 χ^2/NDF: 4437252.7/45



Right In: -0.000+/-0.000 χ^2/NDF: 19.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:37.0/24

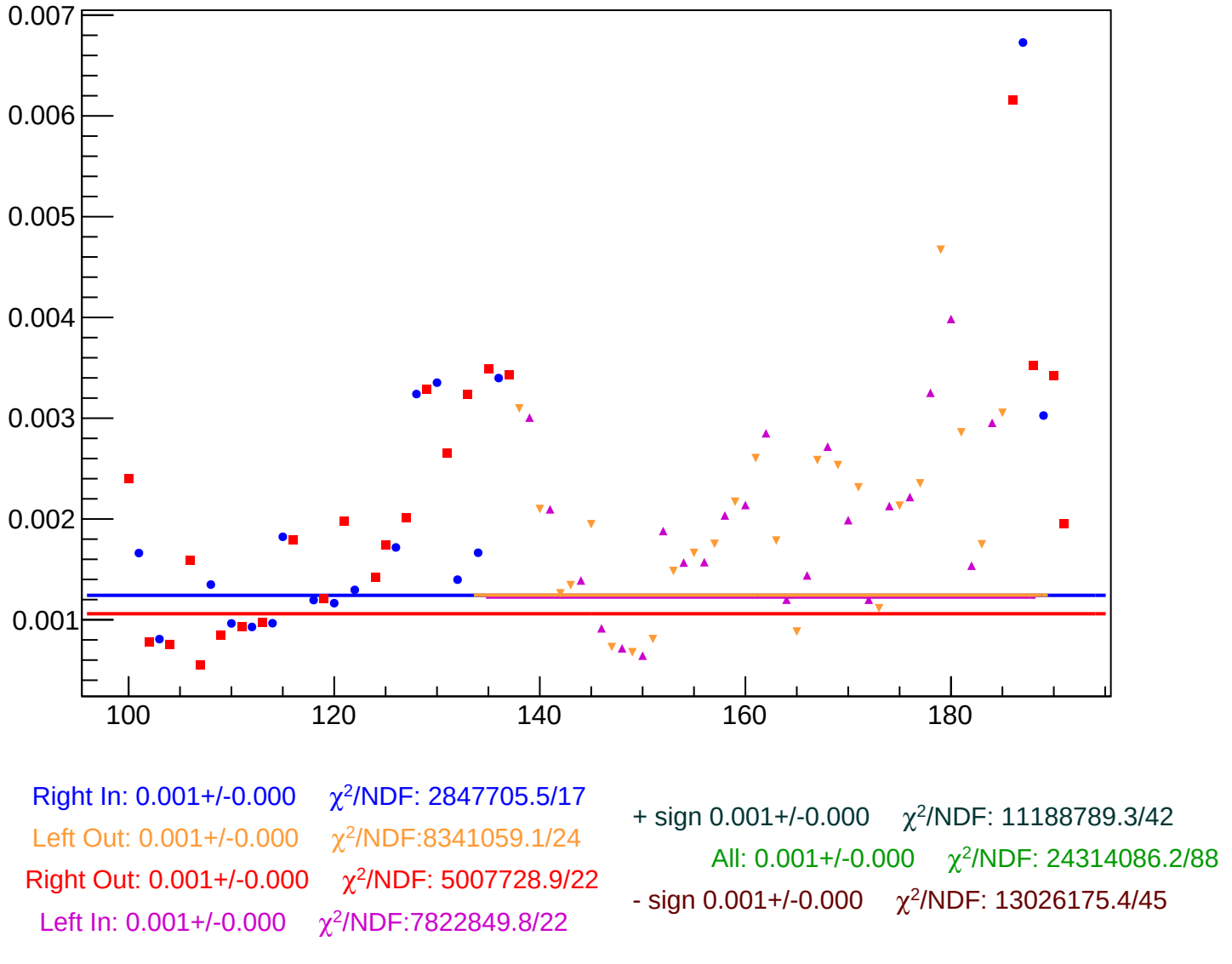
Right Out: -0.000+/-0.000 χ^2/NDF: 22.8/22

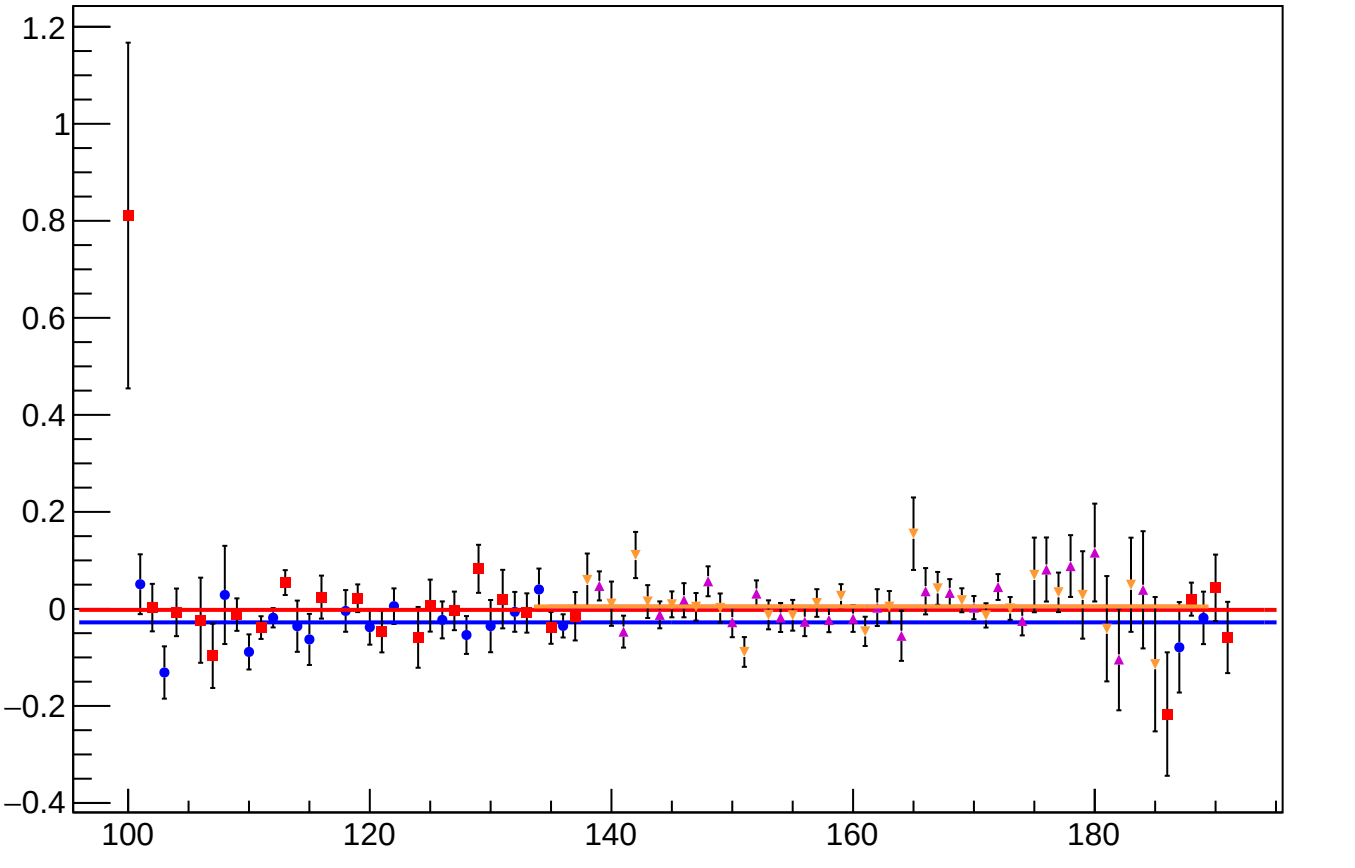
Left In: 0.000+/-0.000 χ^2/NDF:33.3/22

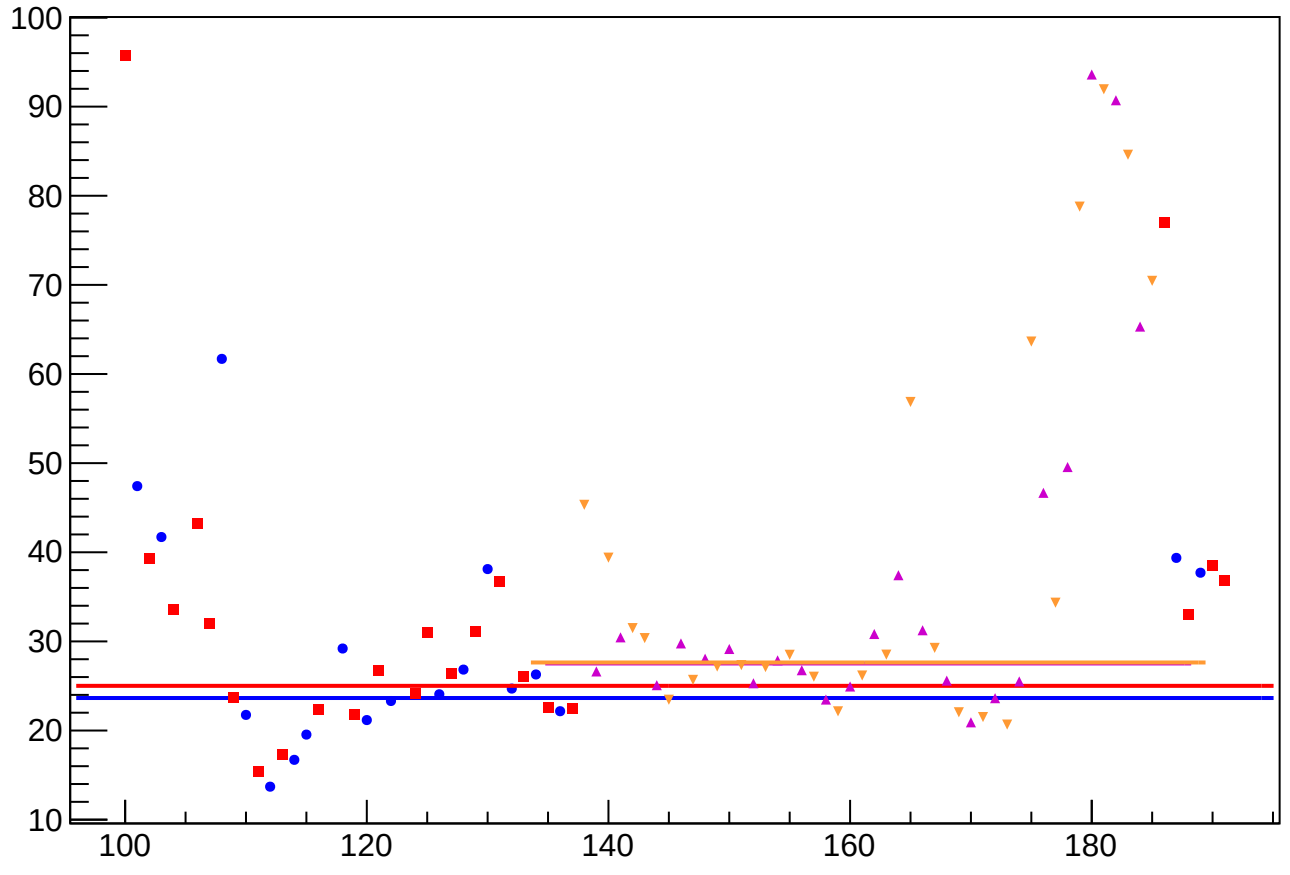
+ sign -0.000+/-0.000 χ^2/NDF: 57.2/42

All: -0.000+/-0.000 χ^2/NDF: 116.2/88

- sign -0.000+/-0.000 χ^2/NDF: 59.0/45


asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
120
140
160
180
Right In: 0.001+/-0.000 χ²/NDF: 2847705.5/17
Left Out: 0.001+/-0.000 χ²/NDF:8341059.1/24
Right Out: 0.001+/-0.000 χ²/NDF: 5007728.9/22
Left In: 0.001+/-0.000 χ²/NDF:7822849.8/22
+ sign 0.001+/-0.000 χ²/NDF: 11188789.3/42
All: 0.001+/-0.000 χ²/NDF: 24314086.2/88
- sign 0.001+/-0.000 χ²/NDF: 13026175.4/45


asym_sam_15_48_dd_eigen_dit_vs_cor_diff_mean vs Slug
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
120
140
160
180
Right In: -0.028+/-0.009 χ²/NDF: 14.0/17
Left Out: 0.005+/-0.007 χ²/NDF:28.4/24
Right Out: -0.002+/-0.009 χ²/NDF: 26.4/22
Left In: 0.005+/-0.007 χ²/NDF:25.1/22
+ sign -0.007+/-0.005 χ²/NDF: 50.6/42
All: -0.002+/-0.004 χ²/NDF: 103.7/88
- sign 0.002+/-0.005 χ²/NDF: 51.9/45



Right In: 23.649+/-0.007 χ^2/NDF: 1764189.8/17

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

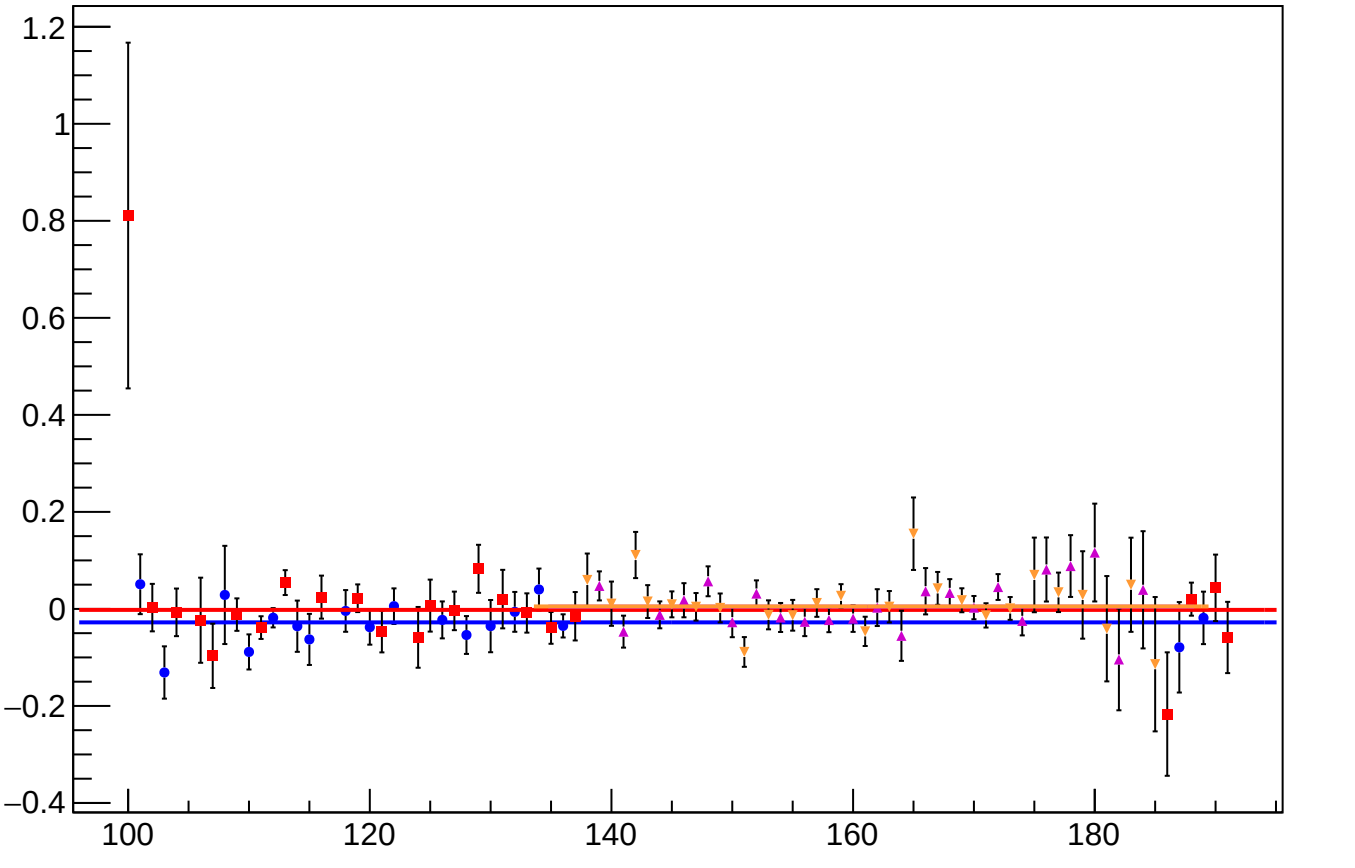
Right Out: 25.015+/-0.006 χ^2/NDF: 1703036.9/22

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

\+ sign 26.216+/-0.004 χ^2/NDF: 5979441.1/42

All: 26.386+/-0.003 χ^2/NDF: 10420614.6/88

\- sign 26.555+/-0.004 χ^2/NDF: 4437343.7/45



Right In: -0.028+/-0.009 χ^2/NDF: 14.0/17

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

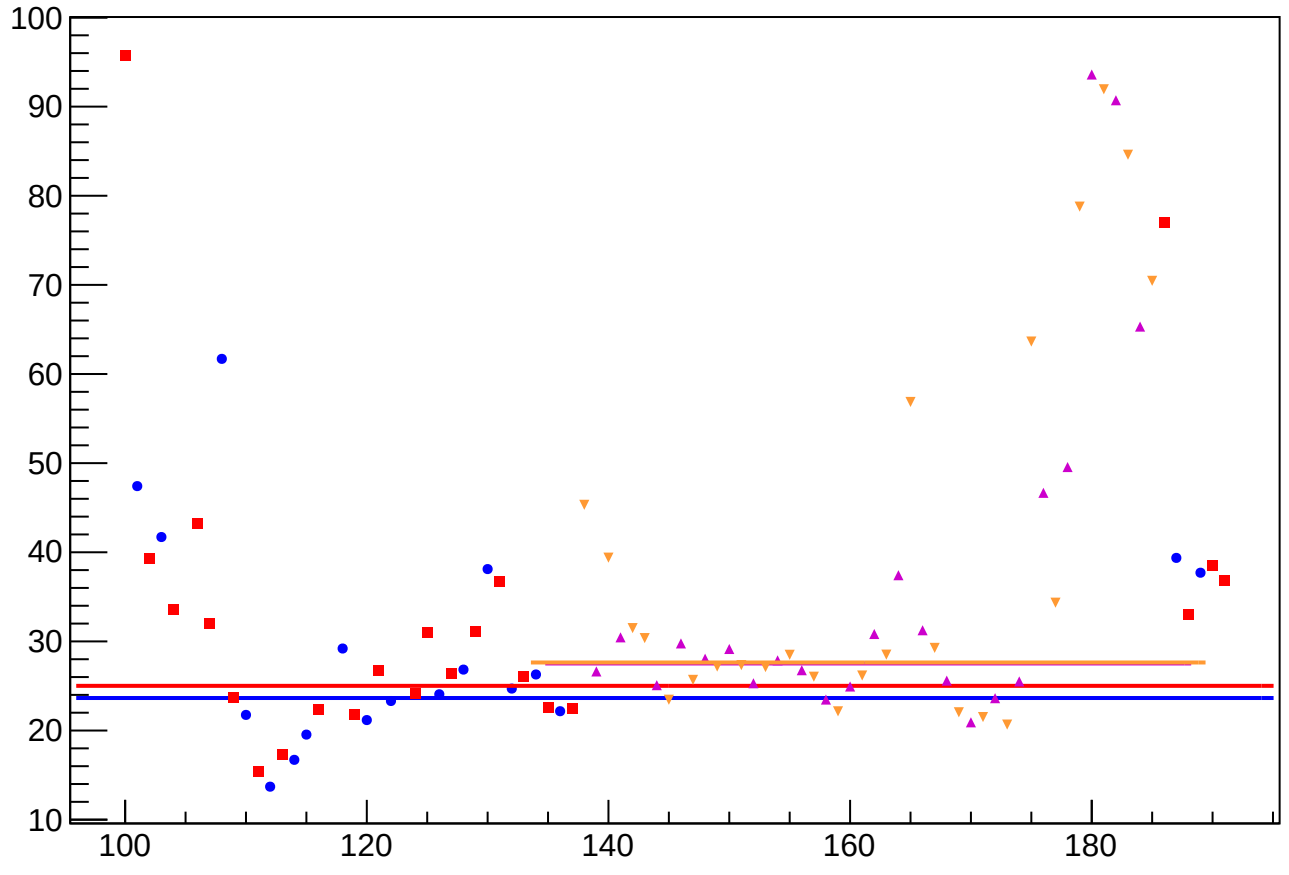
Right Out: -0.002+/-0.009 χ^2/NDF: 26.4/22

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: 103.7/88

- sign 0.002+/-0.005 χ^2/NDF: 51.9/45



Right In: 23.649+/-0.007 χ^2/NDF: 1764189.8/17

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

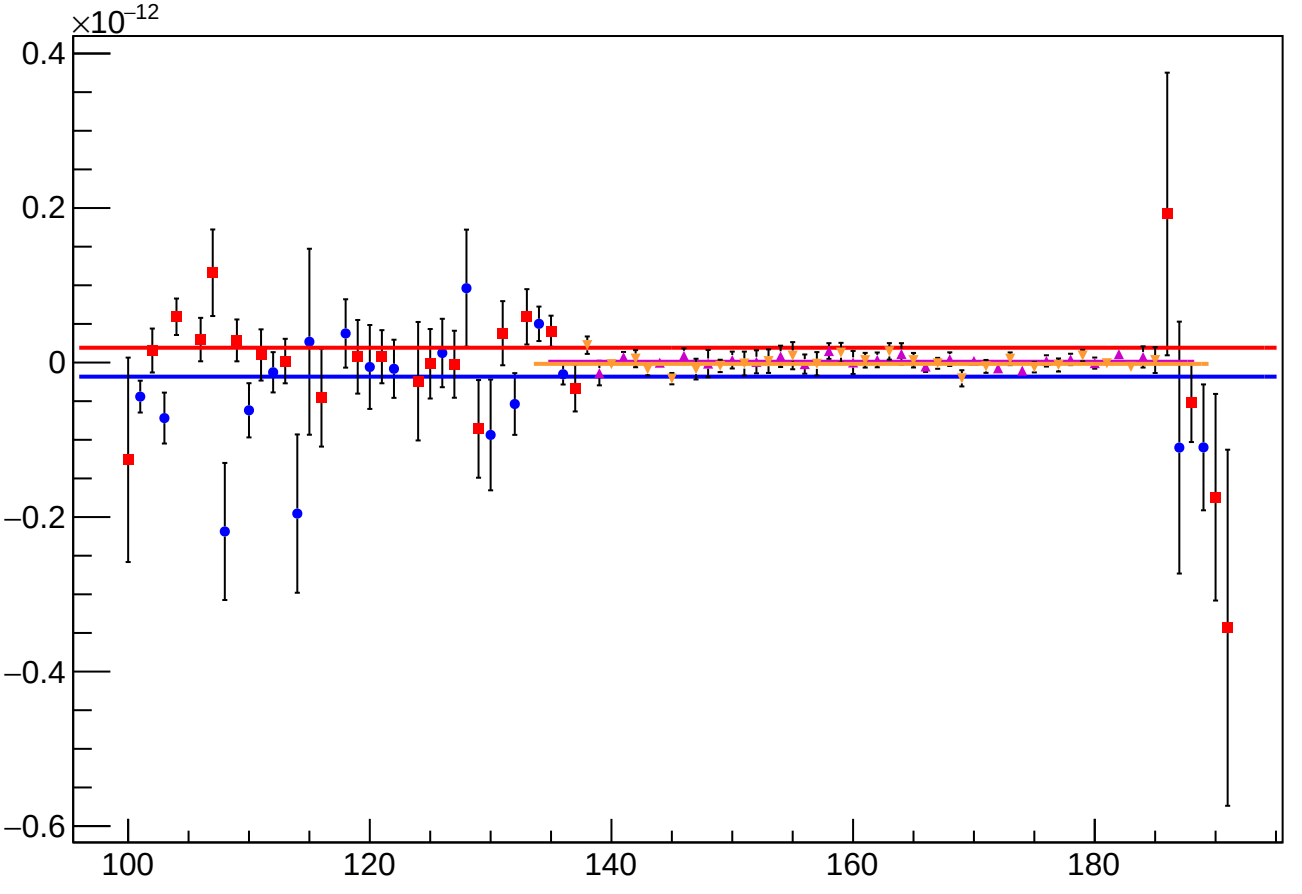
Right Out: 25.015+/-0.006 χ^2/NDF: 1703036.9/22

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 26.216+/-0.004 χ^2/NDF: 5979441.1/42

All: 26.386+/-0.003 χ^2/NDF: 10420614.6/88

- sign 26.555+/-0.004 χ^2/NDF: 4437343.7/45



Right In: -0.000+/-0.000 χ^2/NDF: 31.5/17

Left Out: -0.000+/-0.000 χ^2/NDF:24.4/24

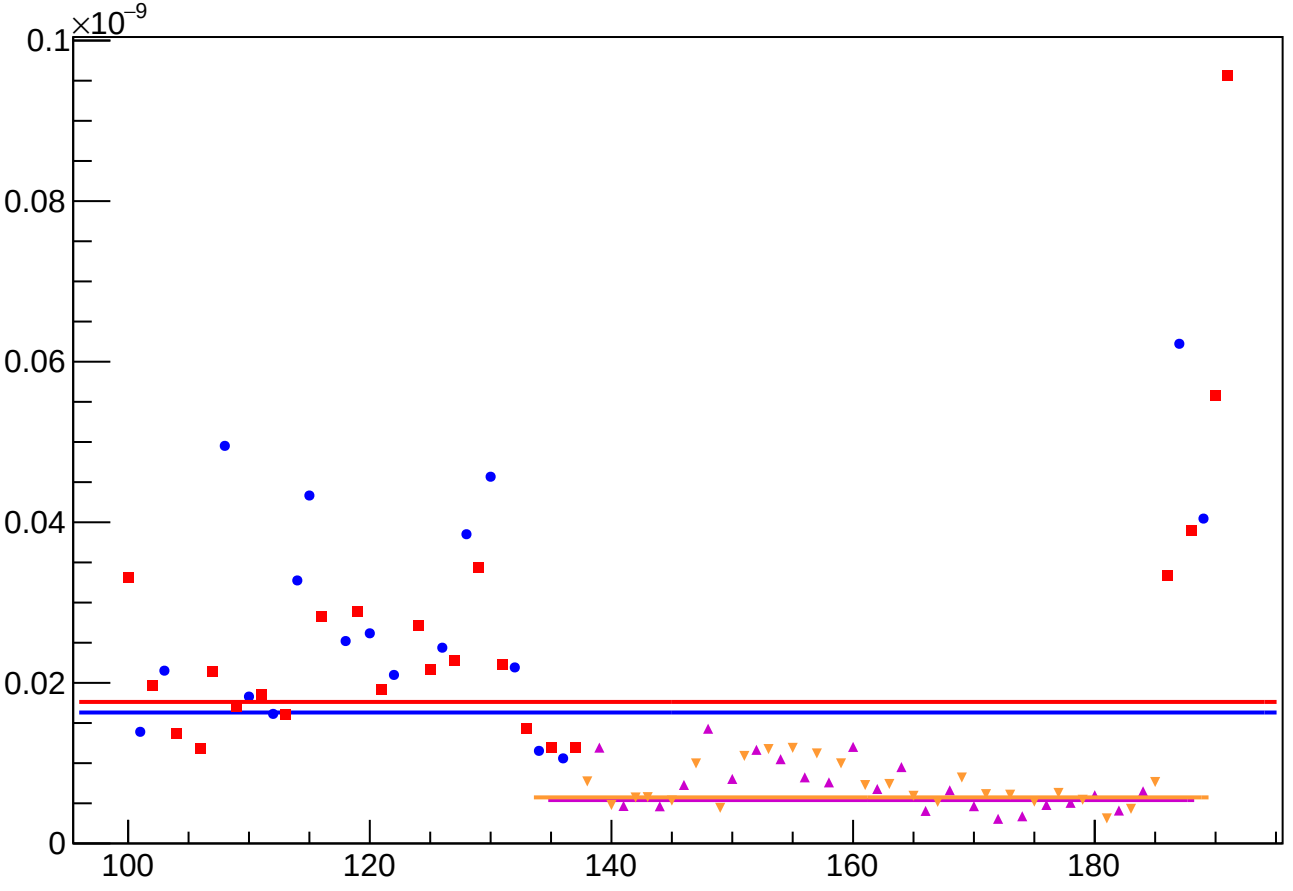
Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/22

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: 110.8/88

- sign 0.000+/-0.000 χ^2/NDF: 47.2/45



Right In: 0.000+/-0.000 χ^2/NDF: 2102531.5/17

Left Out: 0.000+/-0.000 χ^2/NDF:2645460.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1604817.9/22

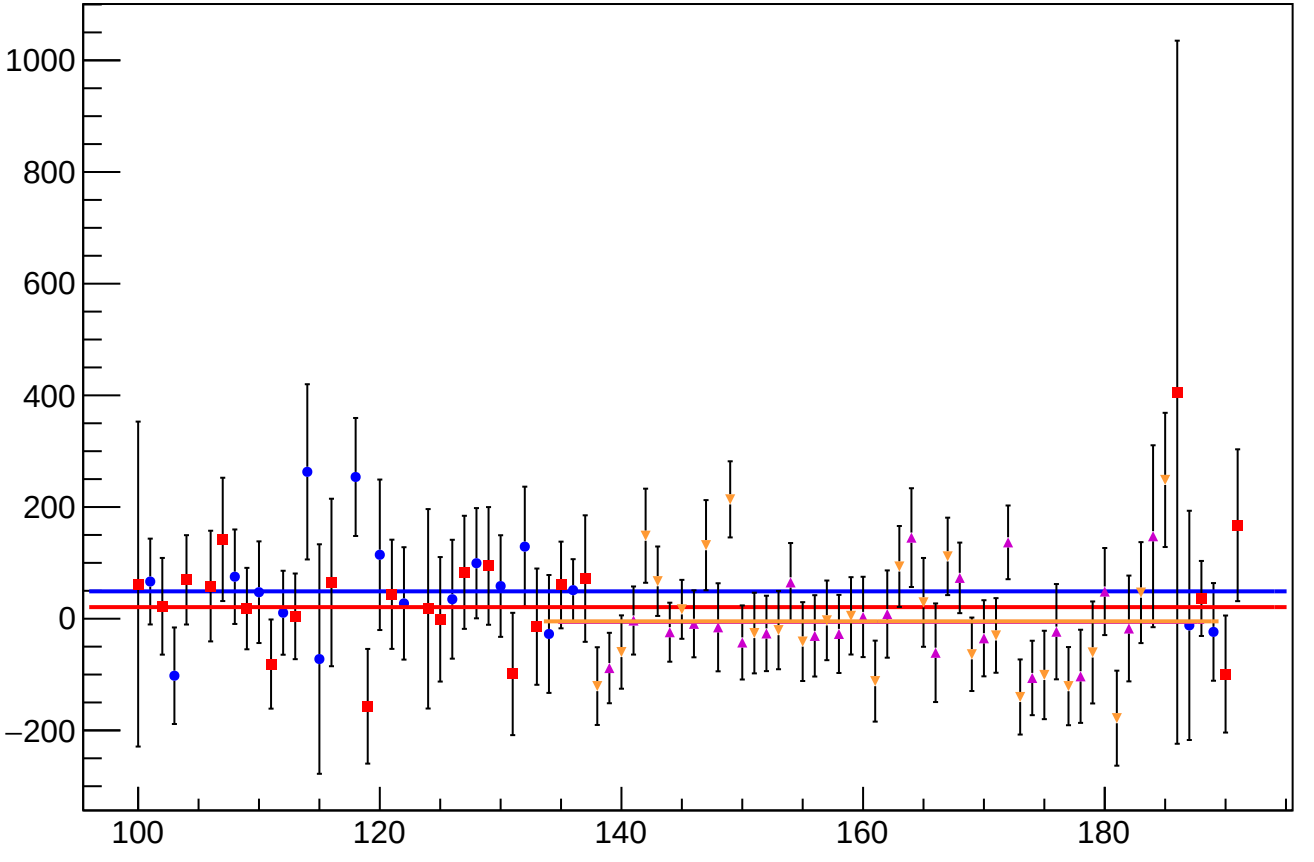
Left In: 0.000+/-0.000 χ^2/NDF:3476696.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 8319547.3/42

All: 0.000+/-0.000 χ^2/NDF: 18135292.9/88

- sign 0.000+/-0.000 χ^2/NDF: 9790821.6/45

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: 20.748+/-20.708 χ^2/NDF: 12.1/22

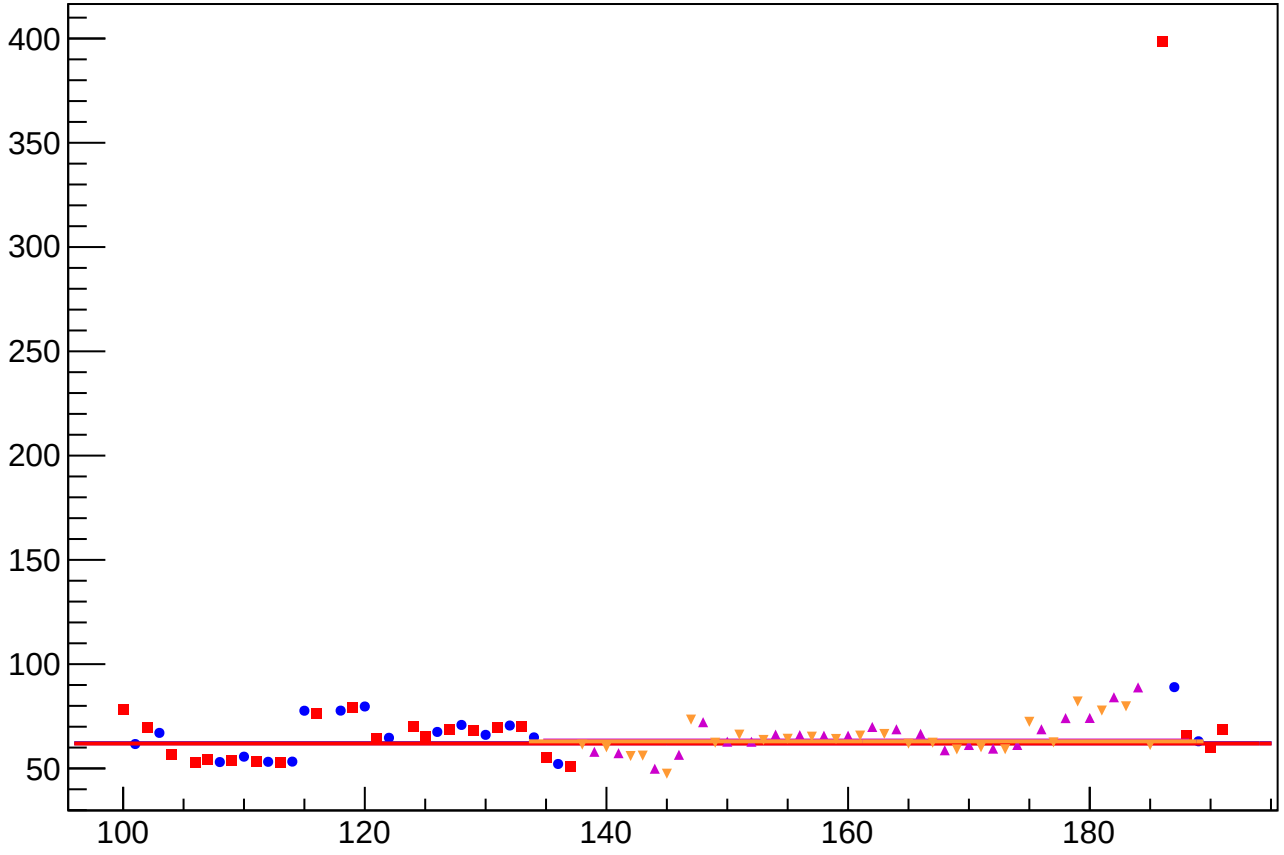
Left In: -5.776+/-14.931 χ^2/NDF:18.3/22

+ sign 11.150+/-12.111 χ^2/NDF: 63.3/42

All: 7.223+/-8.564 χ^2/NDF: 95.0/88

- sign 3.297+/-12.111 χ^2/NDF: 31.5/45

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

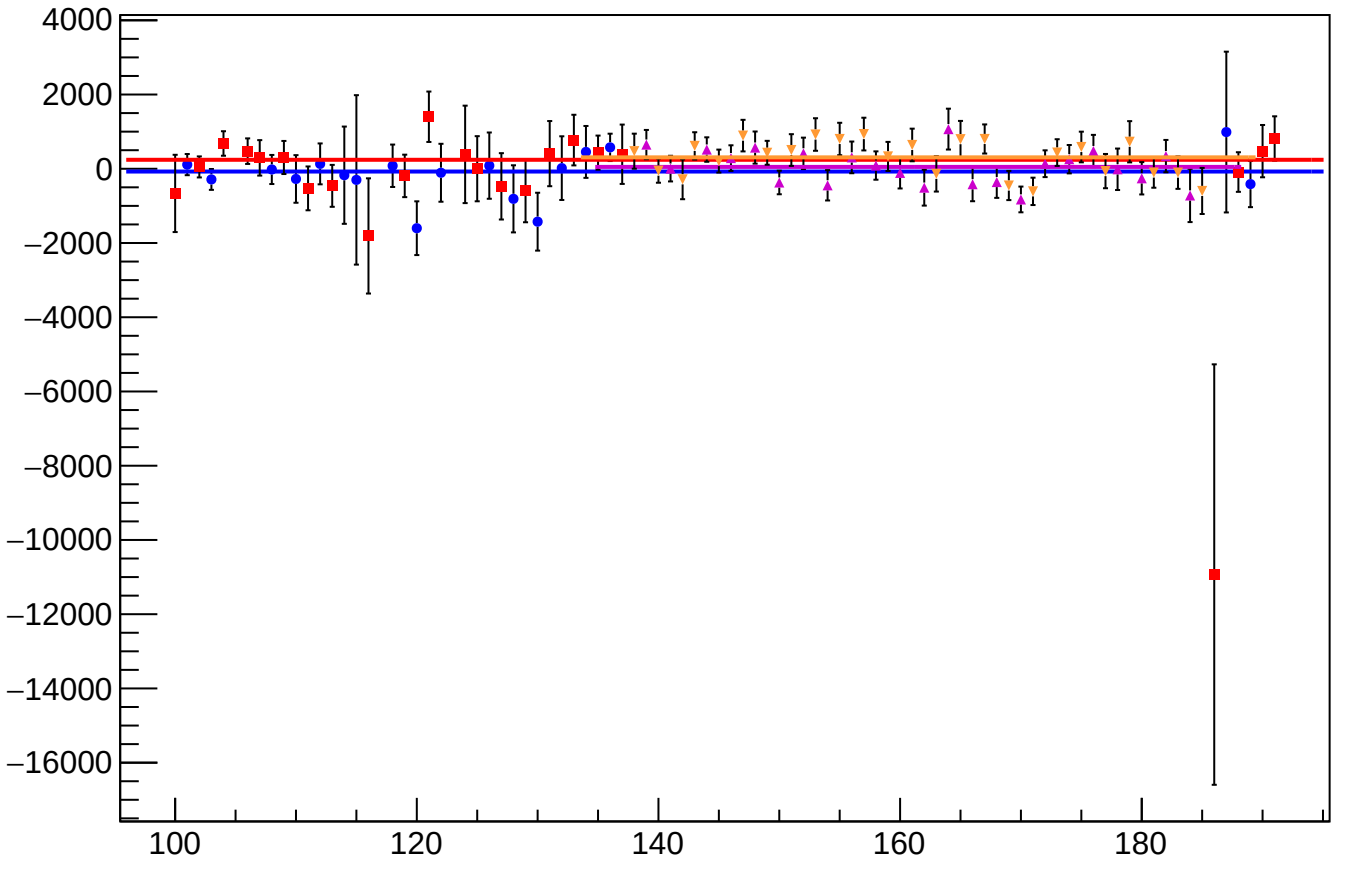
Right Out: 61.944+/-0.015 χ^2/NDF: 871595.4/22

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 62.712+/-0.009 χ^2/NDF: 831426.0/42

All: 62.795+/-0.006 χ^2/NDF: 2206340.5/88

- sign 62.879+/-0.009 χ^2/NDF: 1374723.3/45



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: 241.753+/-115.717 χ^2/NDF: 19.8/22

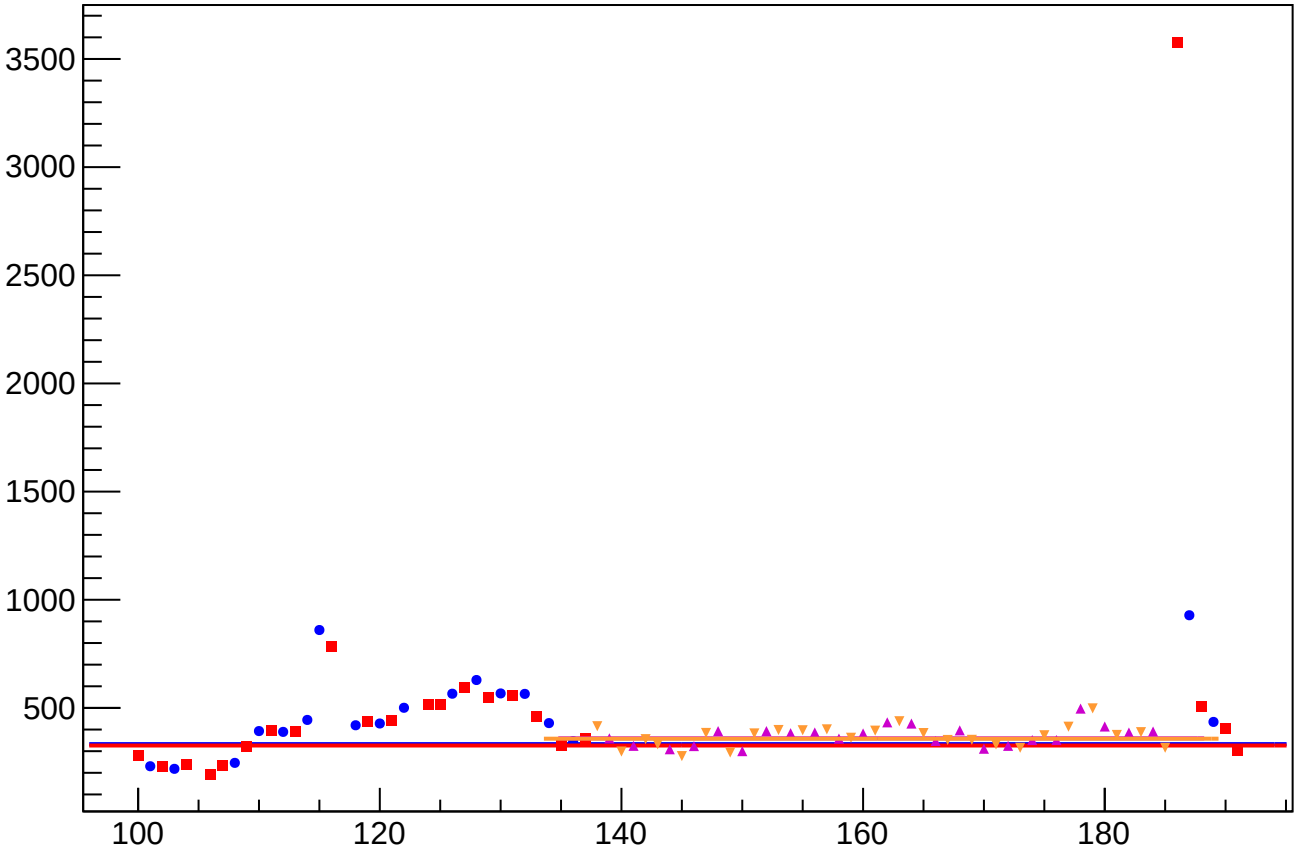
Left In: 50.030+/-84.838 χ^2/NDF:27.3/22

+ sign 193.760+/-69.057 χ^2/NDF: 50.8/42

All: 155.052+/-48.604 χ^2/NDF: 100.3/88

- sign 117.056+/-68.420 χ^2/NDF: 48.9/45

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: 326.236+/-0.082 χ^2/NDF: 2728577.0/22

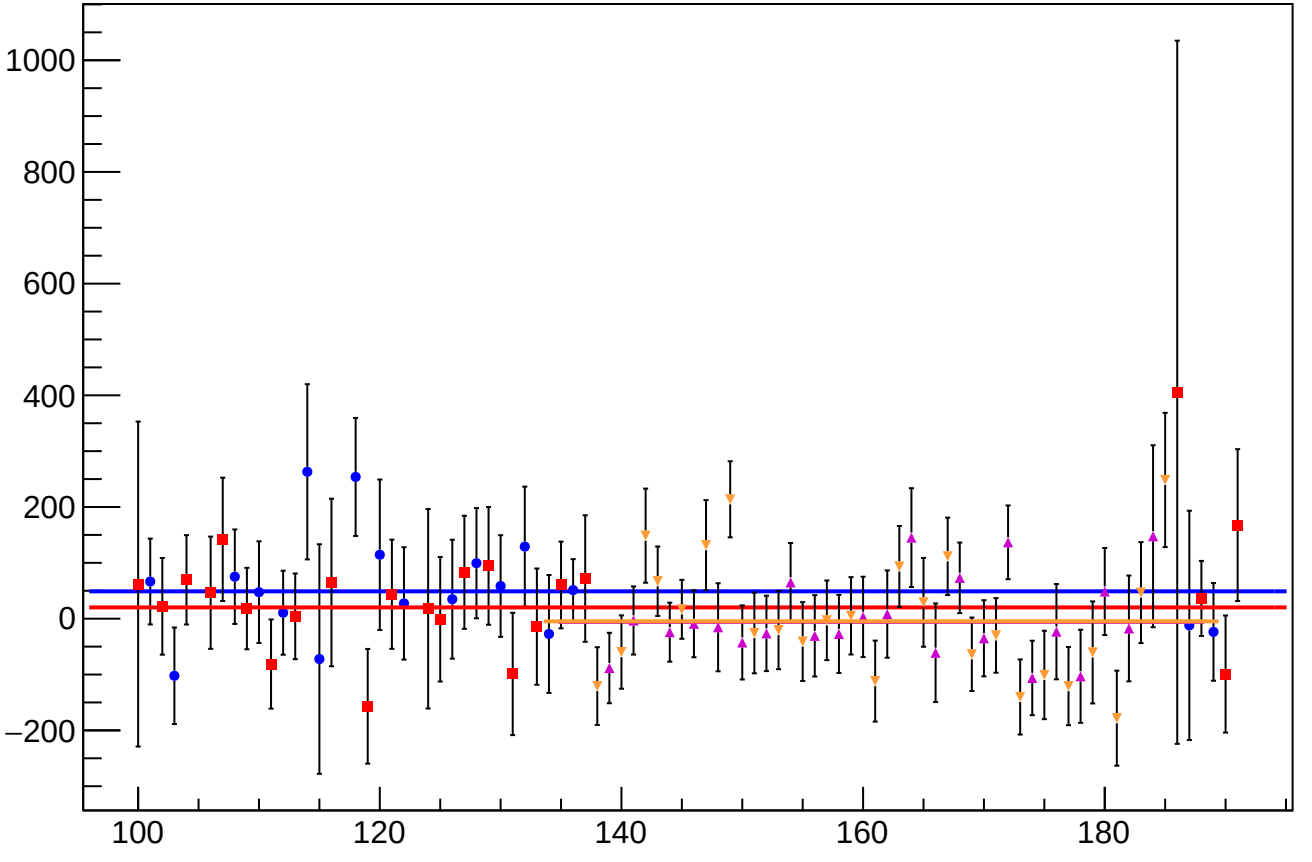
Left In: 359.350+/-0.060 χ^2/NDF:519759.9/22

+ sign 350.313+/-0.049 χ^2/NDF: 2683362.5/42

All: 349.031+/-0.034 χ^2/NDF: 6039583.2/88

- sign 347.774+/-0.048 χ^2/NDF: 3354856.2/45

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: 20.192+/-20.720 χ^2/NDF: 12.1/22

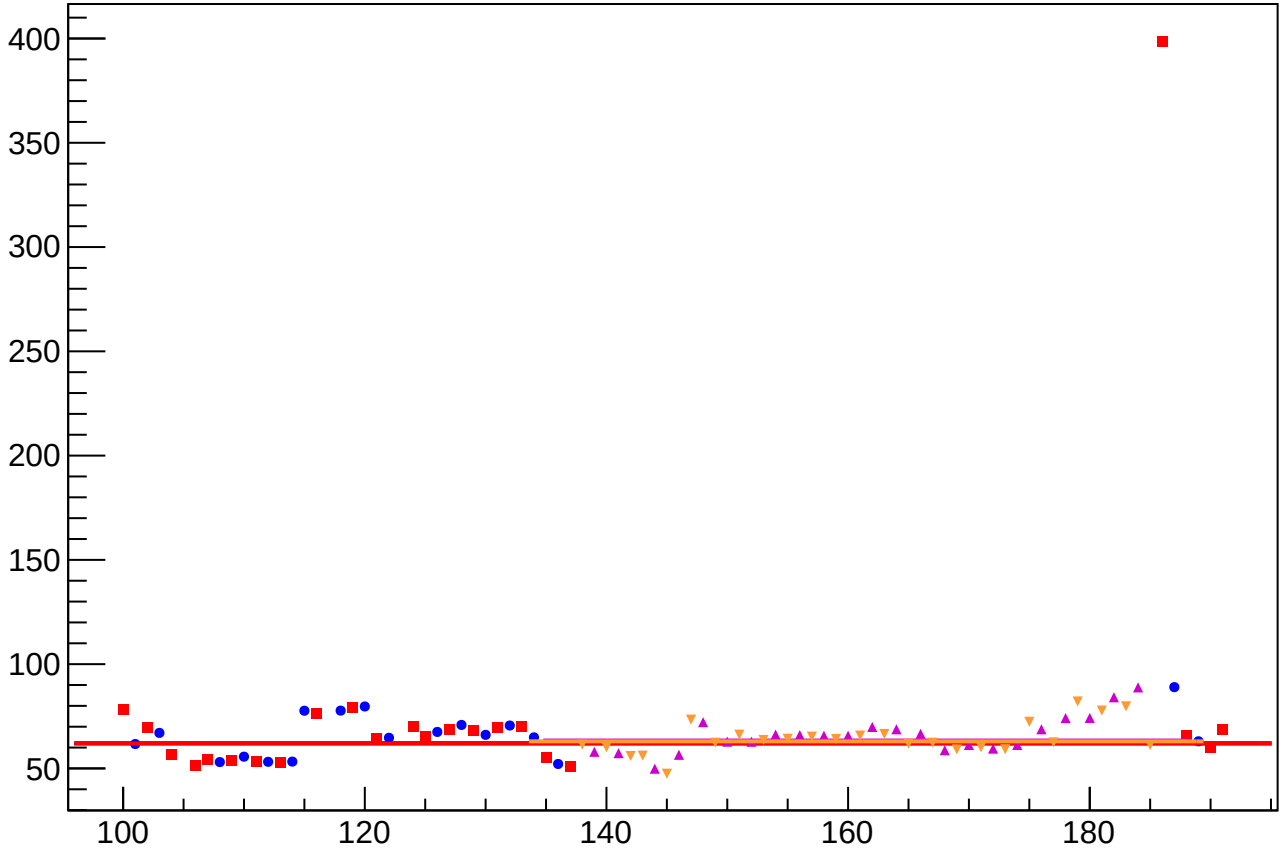
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign 11.144+/-12.111 χ^2/NDF: 63.3/42

All: 7.123+/-8.565 χ^2/NDF: 94.9/88

- sign 3.100+/-12.114 χ^2/NDF: 31.4/45

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

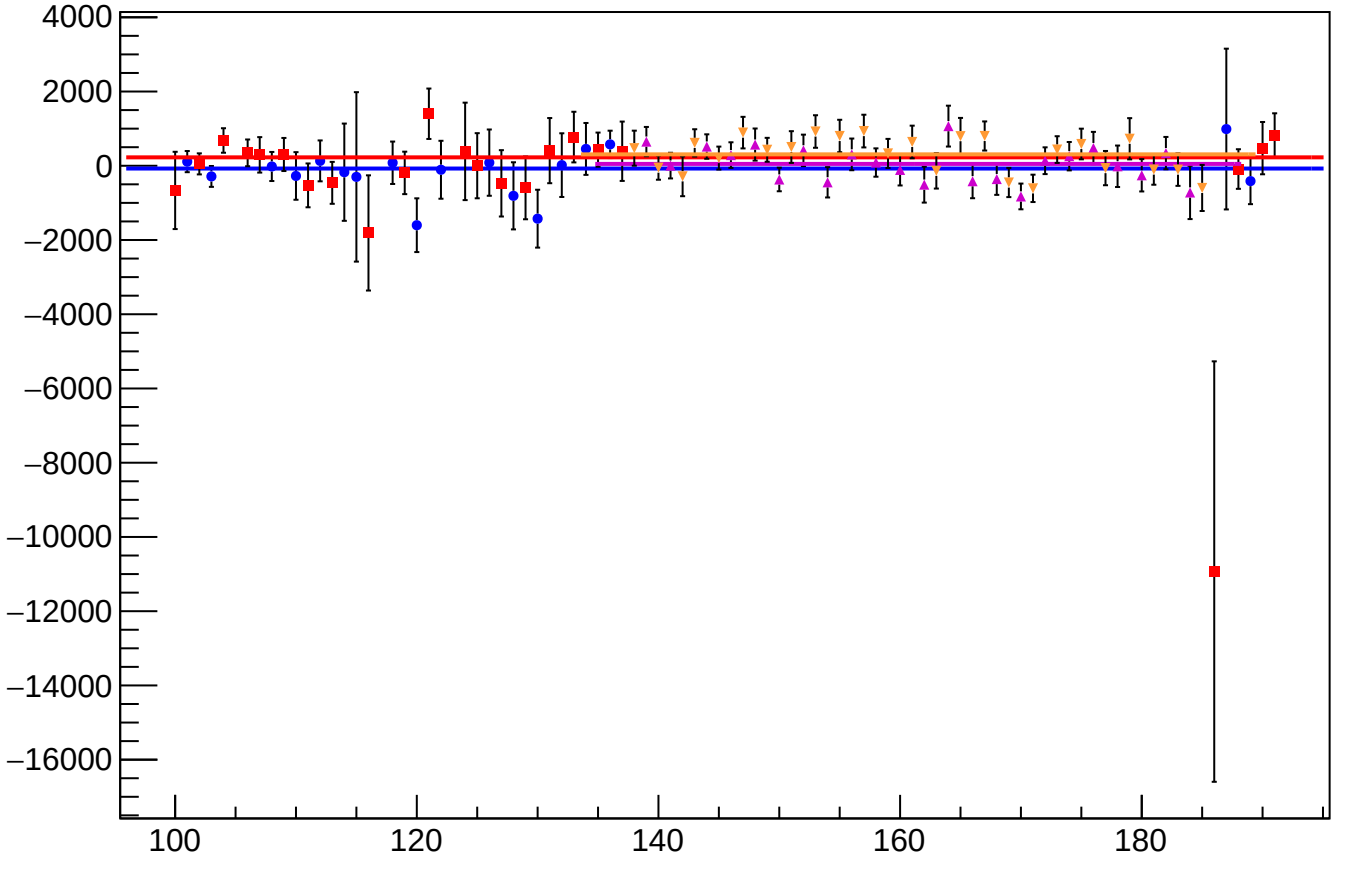
Right Out: 61.911+/-0.015 χ^2/NDF: 875300.4/22

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 62.712+/-0.009 χ^2/NDF: 831426.2/42

All: 62.790+/-0.006 χ^2/NDF: 2210309.0/88

- sign 62.868+/-0.009 χ^2/NDF: 1378715.7/45



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: 226.506+/-116.303 χ^2/NDF: 19.4/22

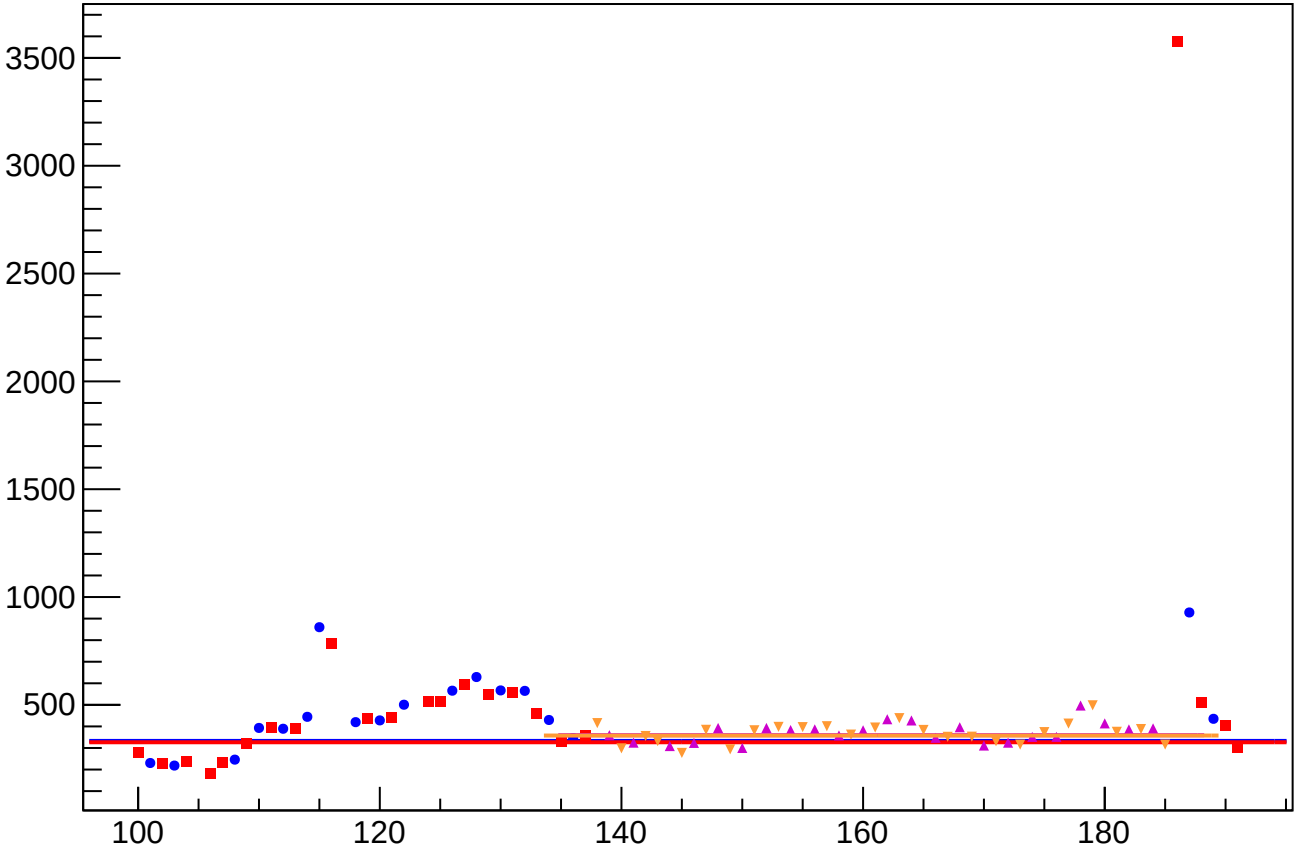
Left In: 50.029+/-84.838 χ^2/NDF:27.3/22

+ sign 193.760+/-69.057 χ^2/NDF: 50.8/42

All: 152.231+/-48.647 χ^2/NDF: 99.7/88

- sign 111.320+/-68.540 χ^2/NDF: 48.2/45

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: 326.531+/-0.082 χ^2/NDF: 2746139.4/22

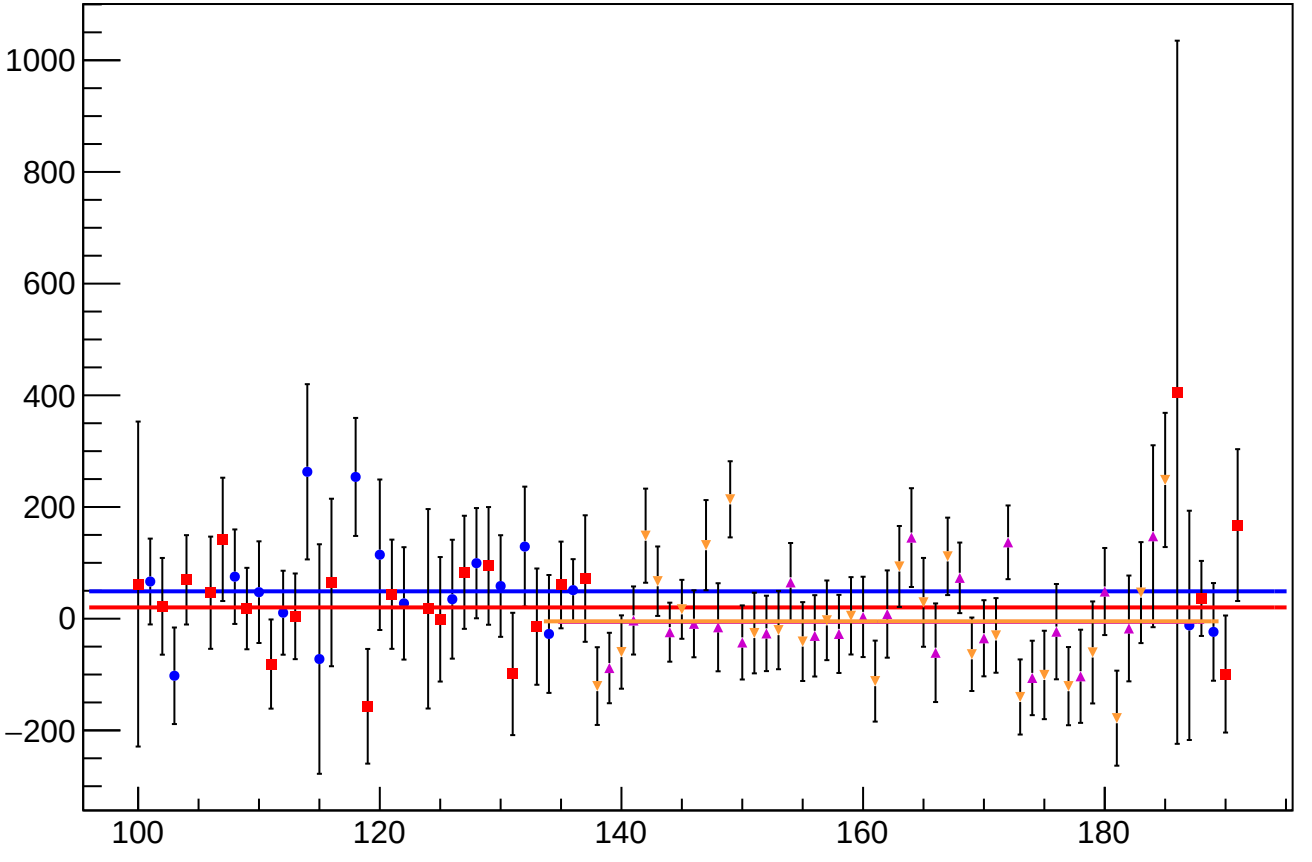
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 350.314+/-0.049 χ^2/NDF: 2683280.2/42

All: 349.124+/-0.034 χ^2/NDF: 6054304.2/88

- sign 347.952+/-0.048 χ^2/NDF: 3369845.6/45

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: 20.192+/-20.720 χ^2/NDF: 12.1/22

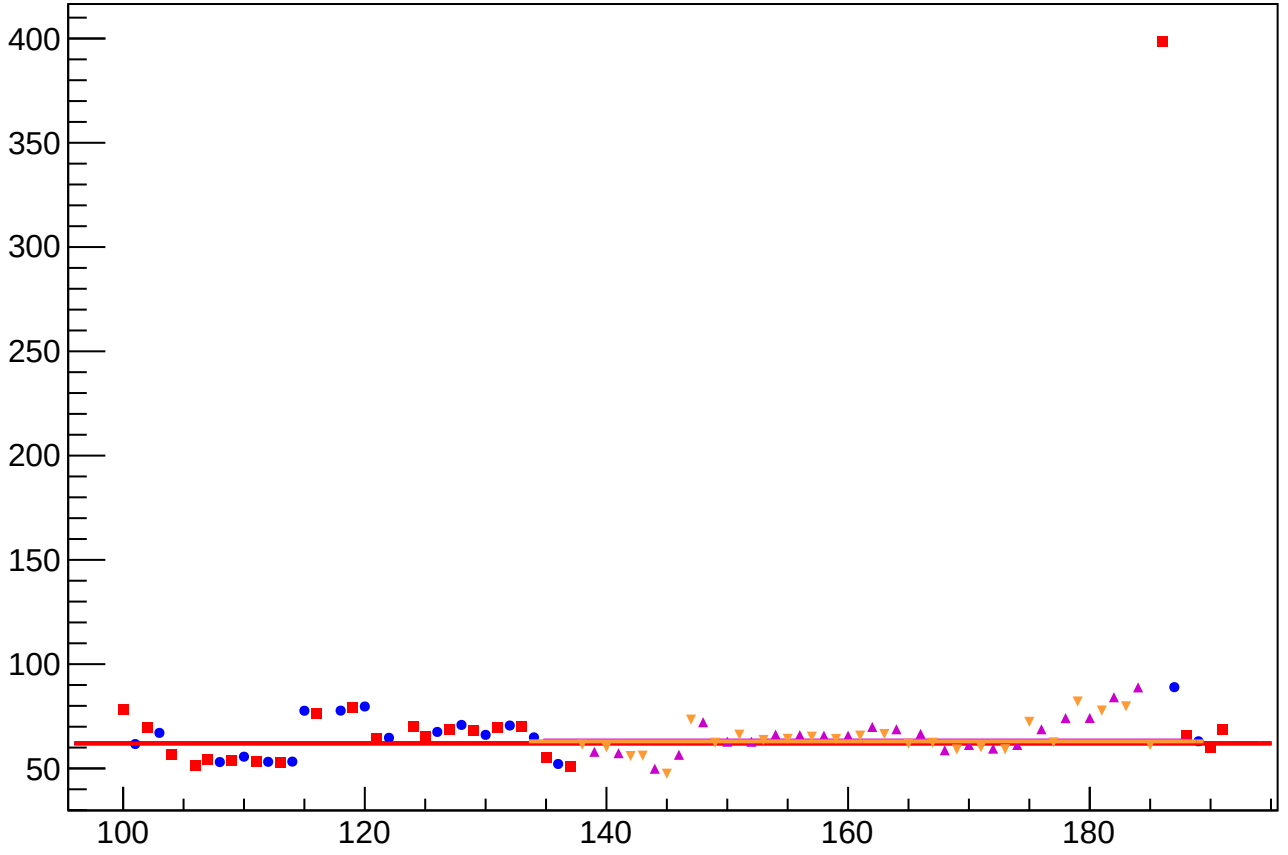
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign 11.144+/-12.111 χ^2/NDF: 63.3/42

All: 7.123+/-8.565 χ^2/NDF: 94.9/88

- sign 3.100+/-12.114 χ^2/NDF: 31.4/45

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

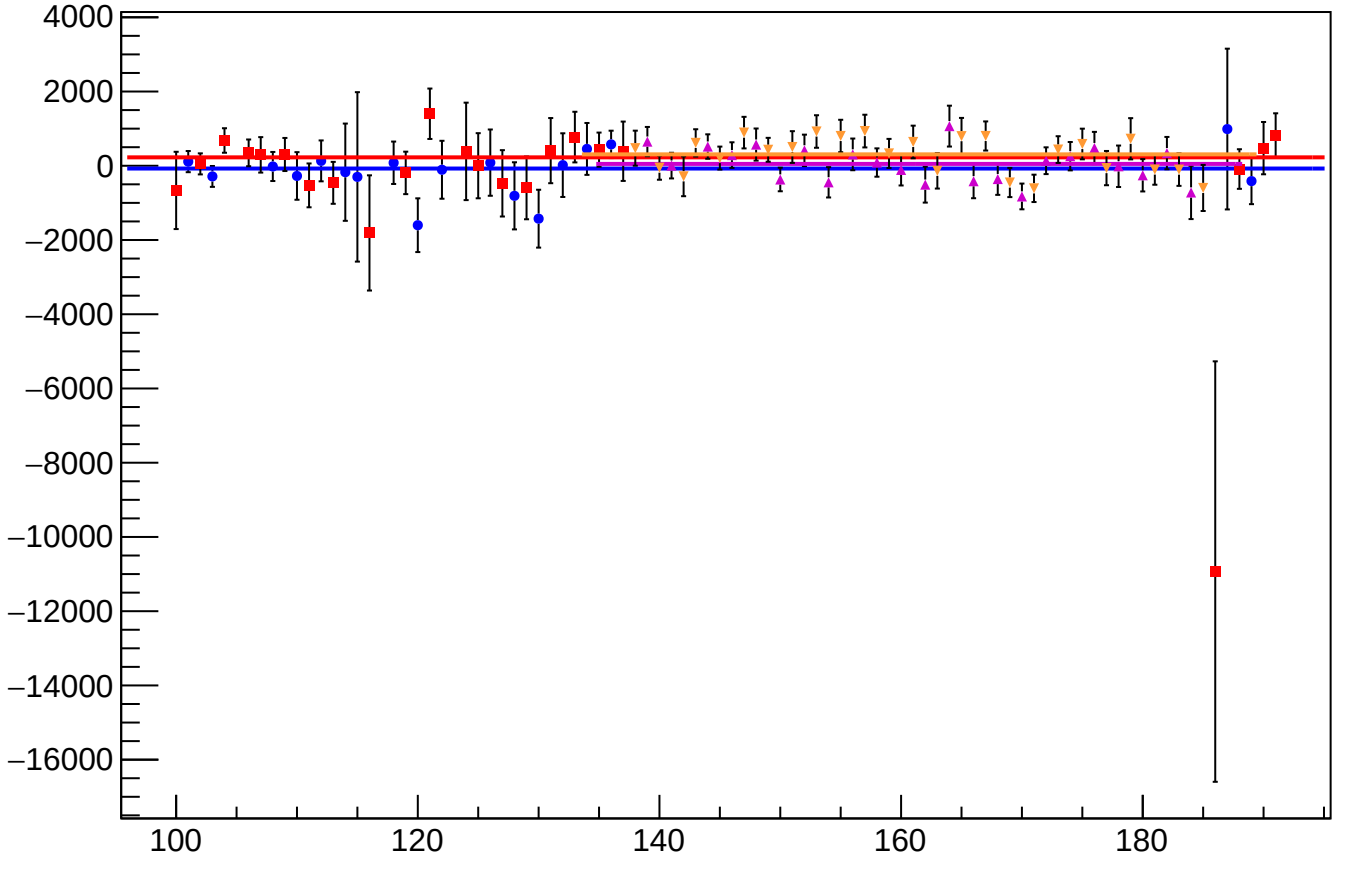
Right Out: 61.911+/-0.015 χ^2/NDF: 875300.4/22

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

\+ sign 62.712+/-0.009 χ^2/NDF: 831426.2/42

All: 62.790+/-0.006 χ^2/NDF: 2210309.0/88

\- sign 62.868+/-0.009 χ^2/NDF: 1378715.7/45



Right In: -74.736+/-126.723 χ^2/NDF: 13.7/17

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

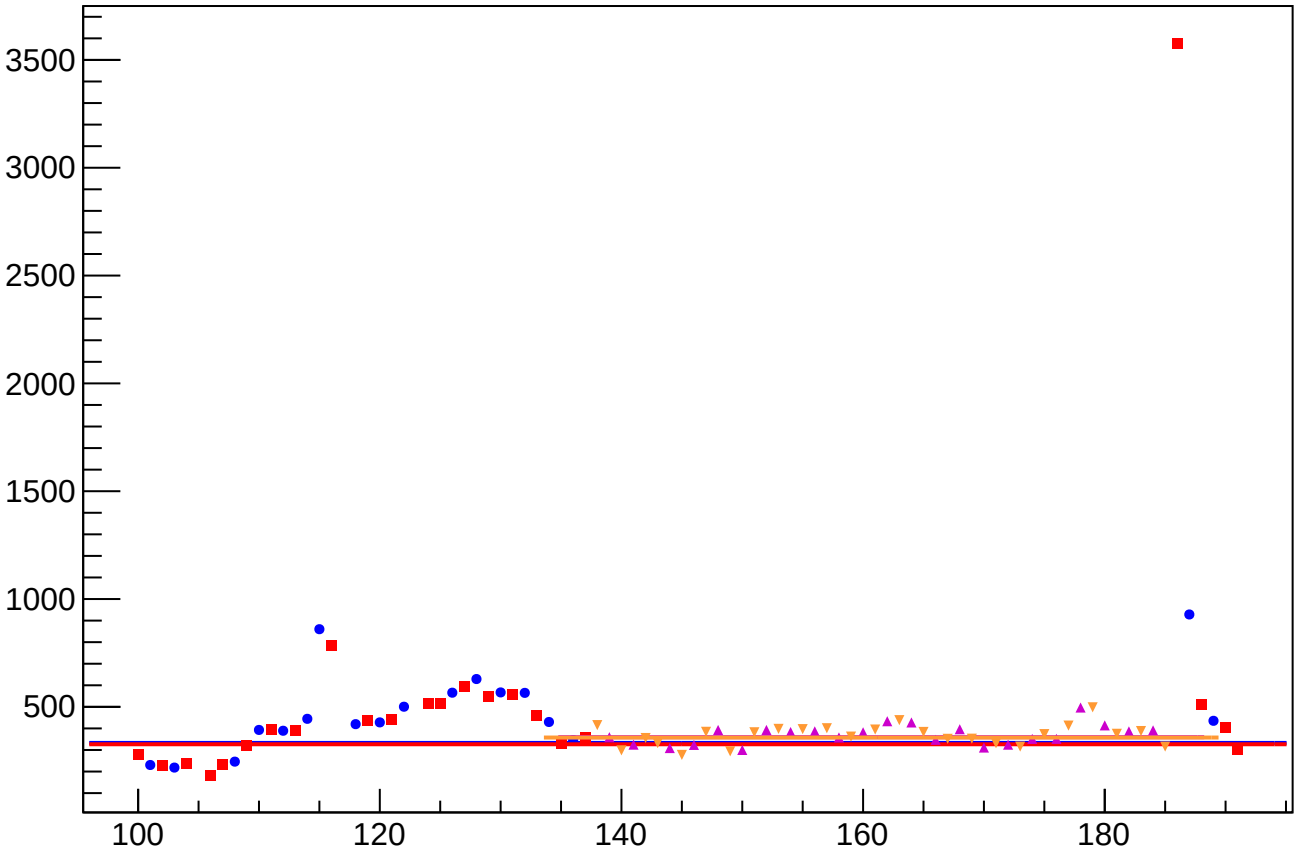
Right Out: 226.506+/-116.303 χ^2/NDF: 19.4/22

Left In: 50.029+/-84.838 χ^2/NDF:27.3/22

+ sign 193.760+/-69.057 χ^2/NDF: 50.8/42

All: 152.231+/-48.647 χ^2/NDF: 99.7/88

- sign 111.320+/-68.540 χ^2/NDF: 48.2/45



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: 326.531+/-0.082 χ^2/NDF: 2746139.4/22

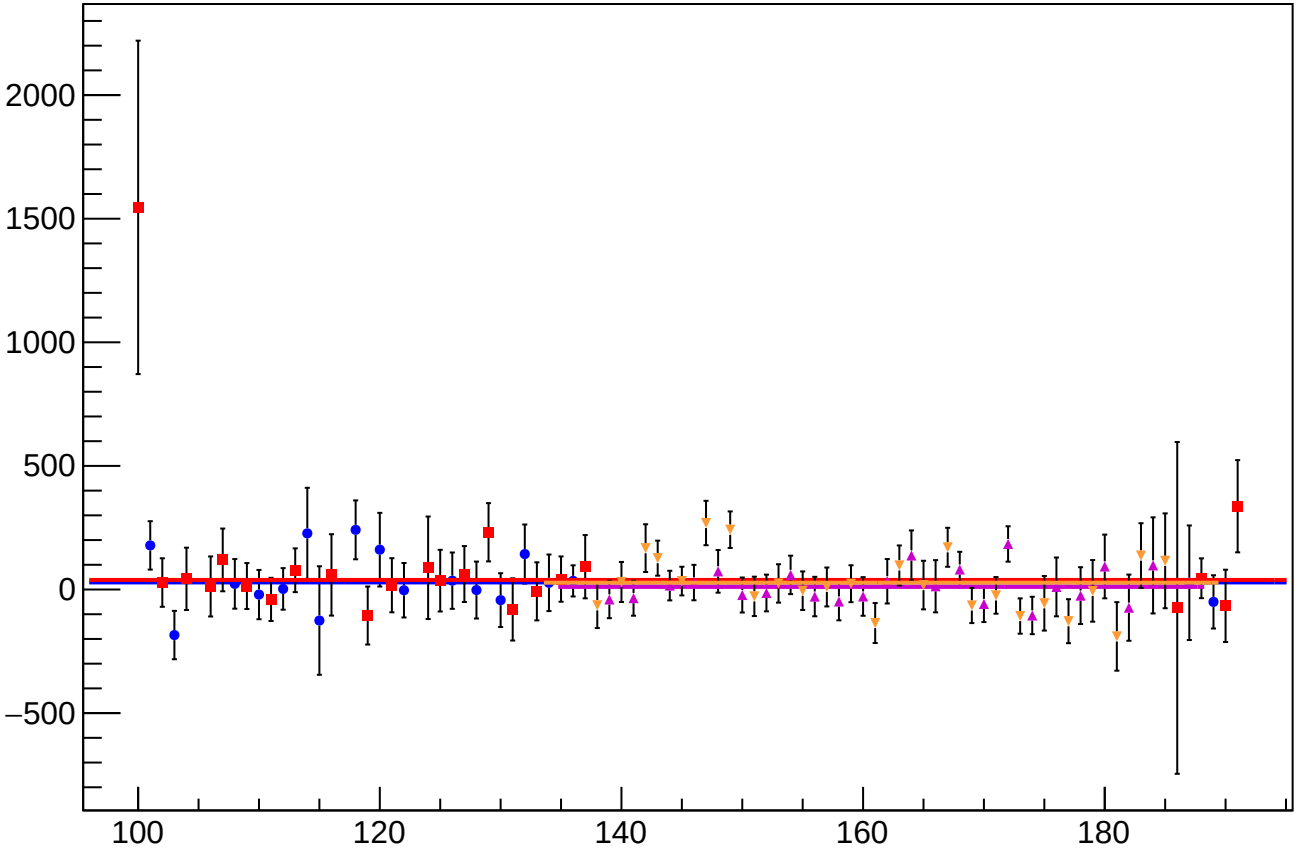
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 350.314+/-0.049 χ^2/NDF: 2683280.2/42

All: 349.124+/-0.034 χ^2/NDF: 6054304.2/88

- sign 347.952+/-0.048 χ^2/NDF: 3369845.6/45

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: 38.717+/-24.602 χ^2/NDF: 15.2/22

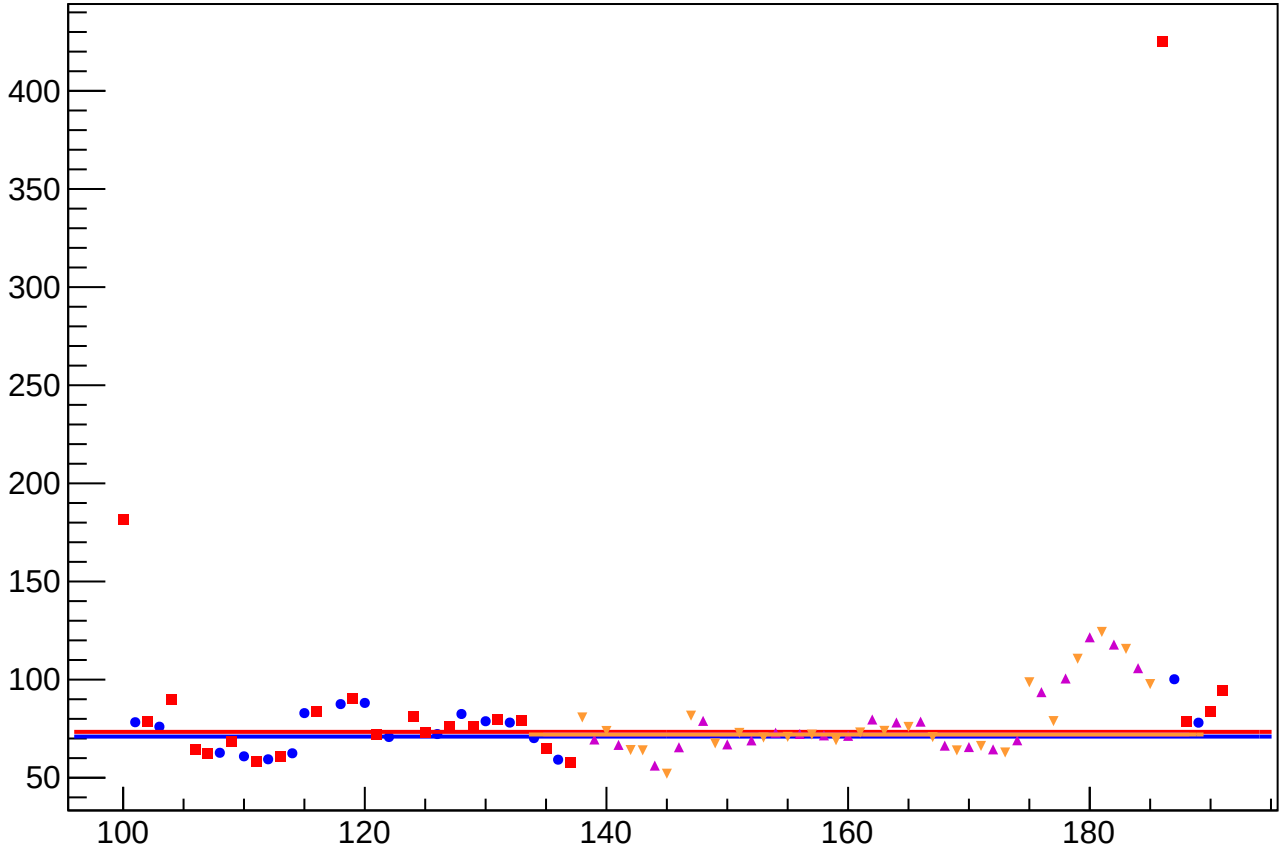
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

+ sign 27.933+/-13.995 χ^2/NDF: 57.5/42

All: 23.898+/-9.936 χ^2/NDF: 89.8/88

- sign 19.796+/-14.110 χ^2/NDF: 32.2/45

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

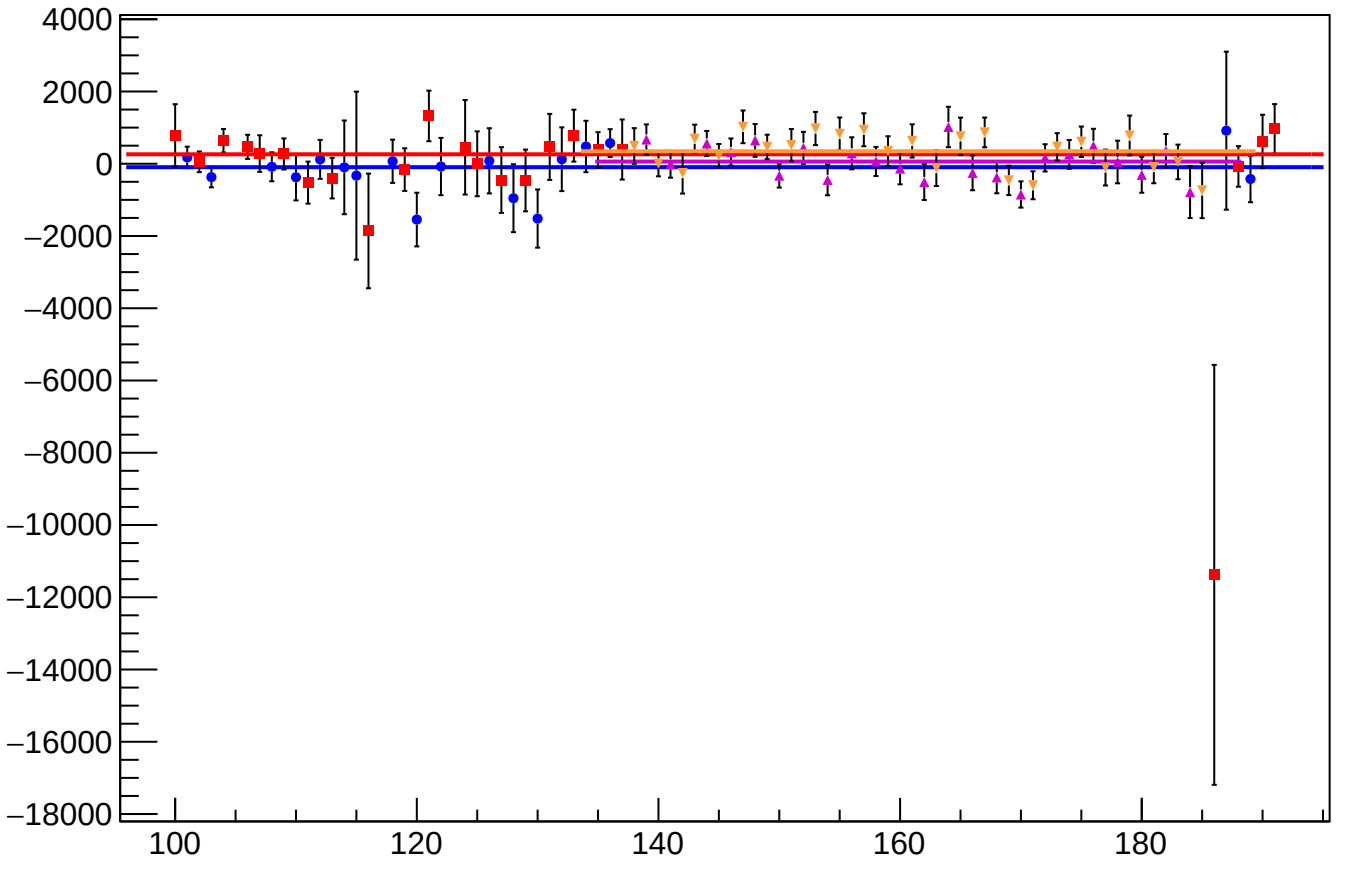
Right Out: 73.380+/-0.017 χ^2/NDF: 929083.5/22

Left In: 72.092+/-0.012 χ^2/NDF:1058857.2/22

+ sign 71.719+/-0.010 χ^2/NDF: 1583506.5/42

All: 72.114+/-0.007 χ^2/NDF: 3578334.5/88

- sign 72.516+/-0.010 χ^2/NDF: 1991616.2/45



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: 261.571+/-117.098 χ^2/NDF: 18.1/22

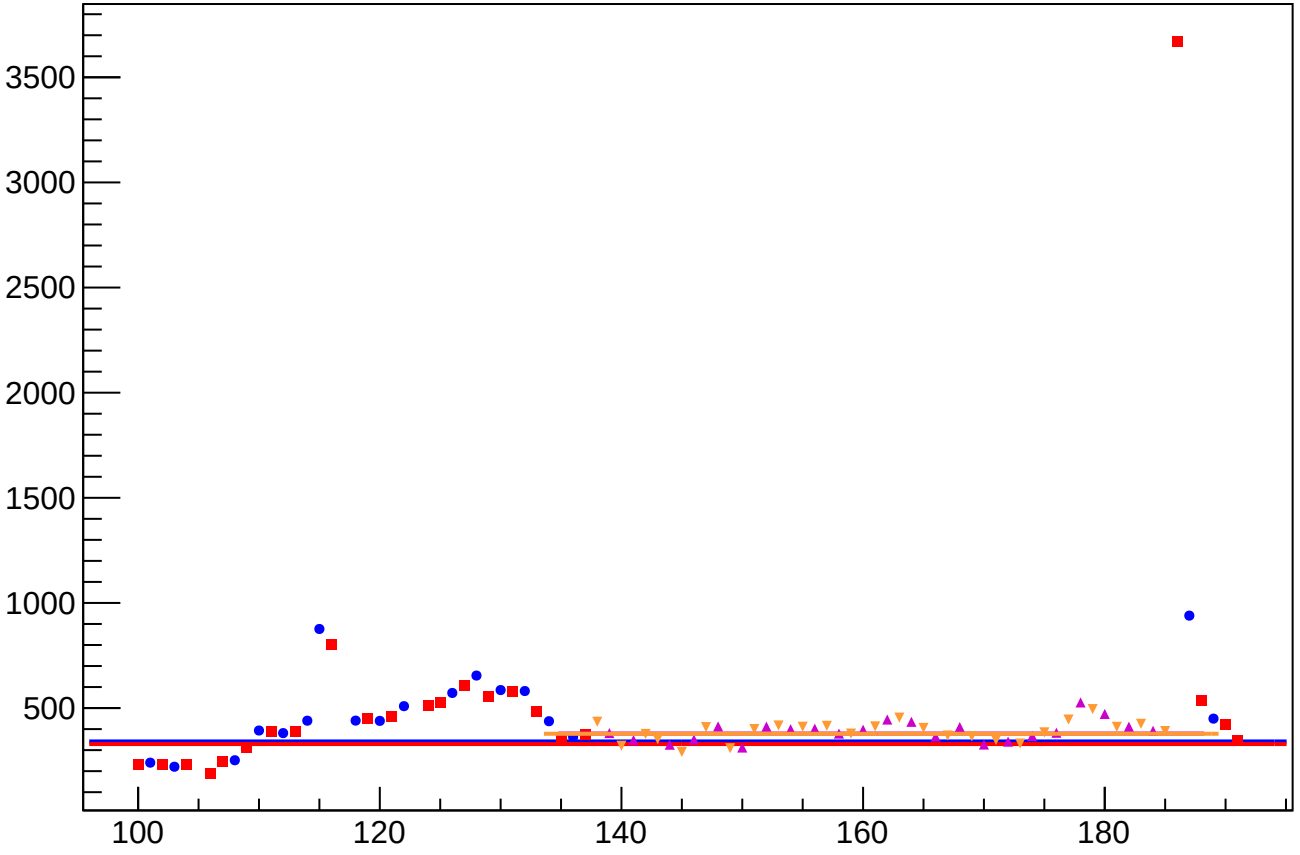
Left In: 59.908+/-89.411 χ^2/NDF:25.8/22

+ sign 209.682+/-72.183 χ^2/NDF: 51.1/42

All: 171.341+/-50.641 χ^2/NDF: 97.5/88

- sign 134.180+/-71.064 χ^2/NDF: 45.9/45

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: 328.790+/-0.083 χ^2/NDF: 2906162.1/22

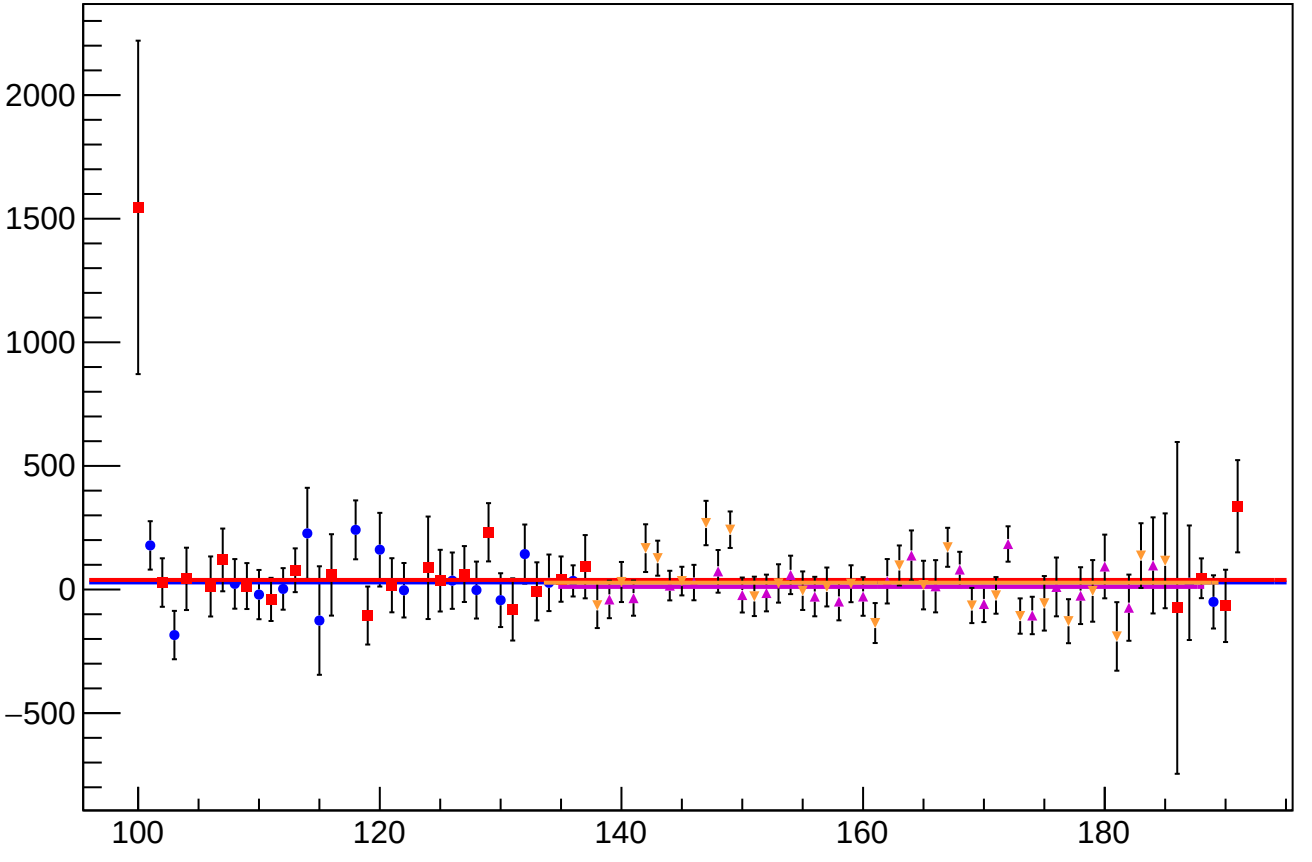
Left In: 378.869+/-0.063 χ^2/NDF:527685.1/22

+ sign 366.519+/-0.051 χ^2/NDF: 2688644.7/42

All: 363.425+/-0.036 χ^2/NDF: 6360808.6/88

- sign 360.425+/-0.050 χ^2/NDF: 3664925.0/45

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: 38.717+/-24.602 χ^2/NDF: 15.2/22

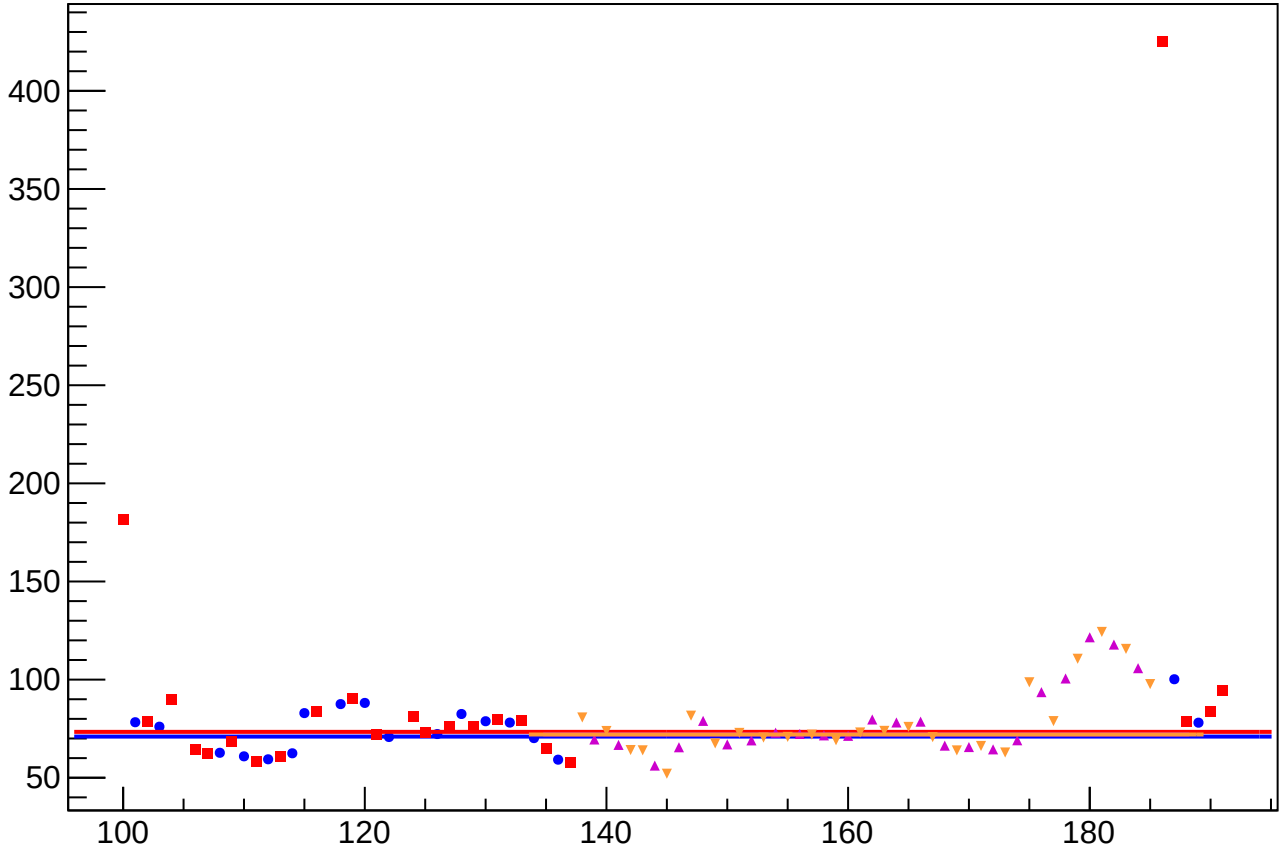
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

+ sign 27.932+/-13.995 χ^2/NDF: 57.5/42

All: 23.898+/-9.936 χ^2/NDF: 89.8/88

- sign 19.796+/-14.110 χ^2/NDF: 32.2/45

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

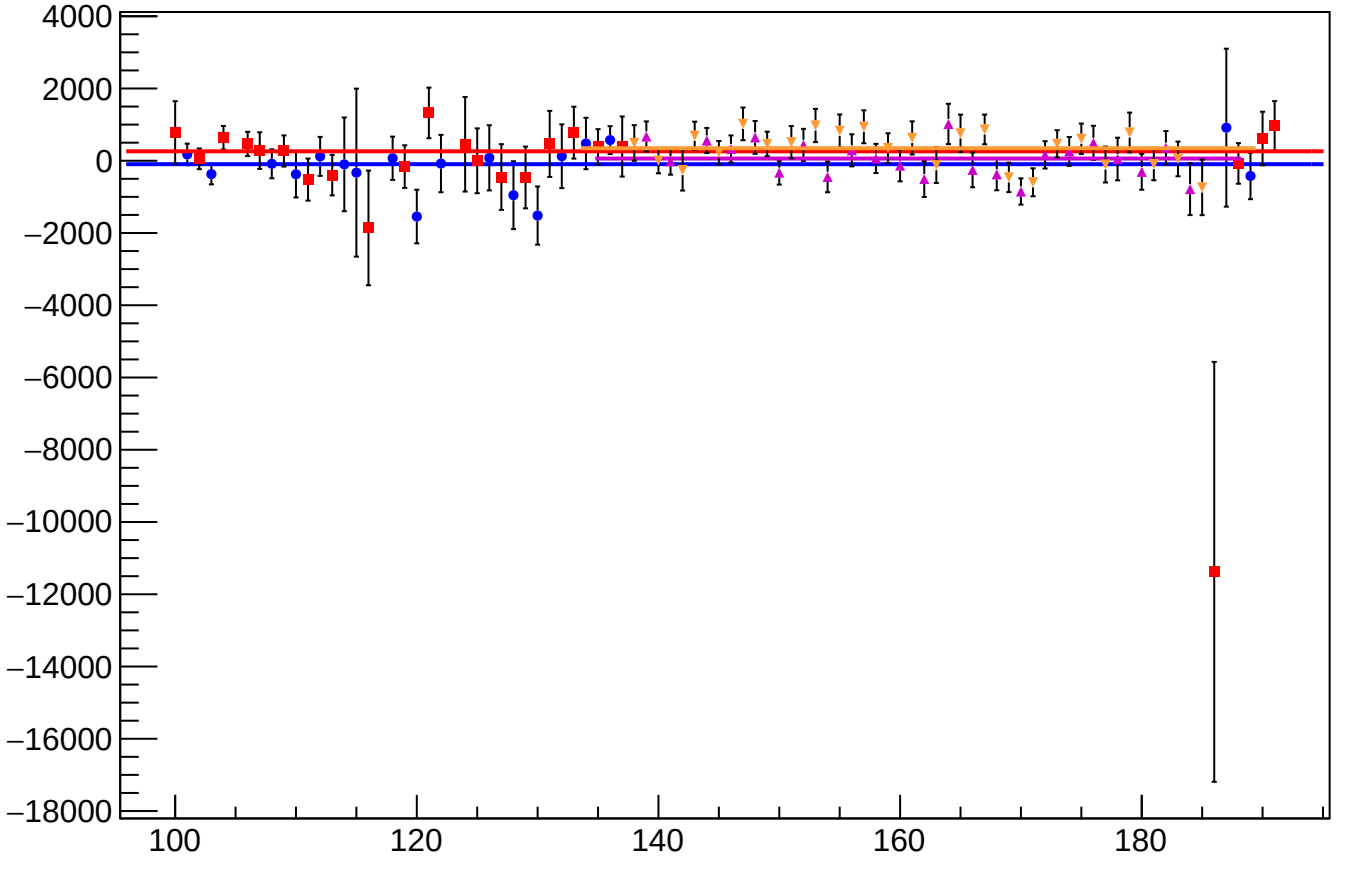
Right Out: 73.380+/-0.017 χ^2/NDF: 929083.5/22

Left In: 72.092+/-0.012 χ^2/NDF:1058847.4/22

+ sign 71.719+/-0.010 χ^2/NDF: 1583514.1/42

All: 72.114+/-0.007 χ^2/NDF: 3578332.4/88

- sign 72.516+/-0.010 χ^2/NDF: 1991606.7/45



Right In: -95.393+/-129.897 χ^2/NDF: 14.2/17

Left Out: 345.972+/-86.822 χ^2/NDF:28.9/24

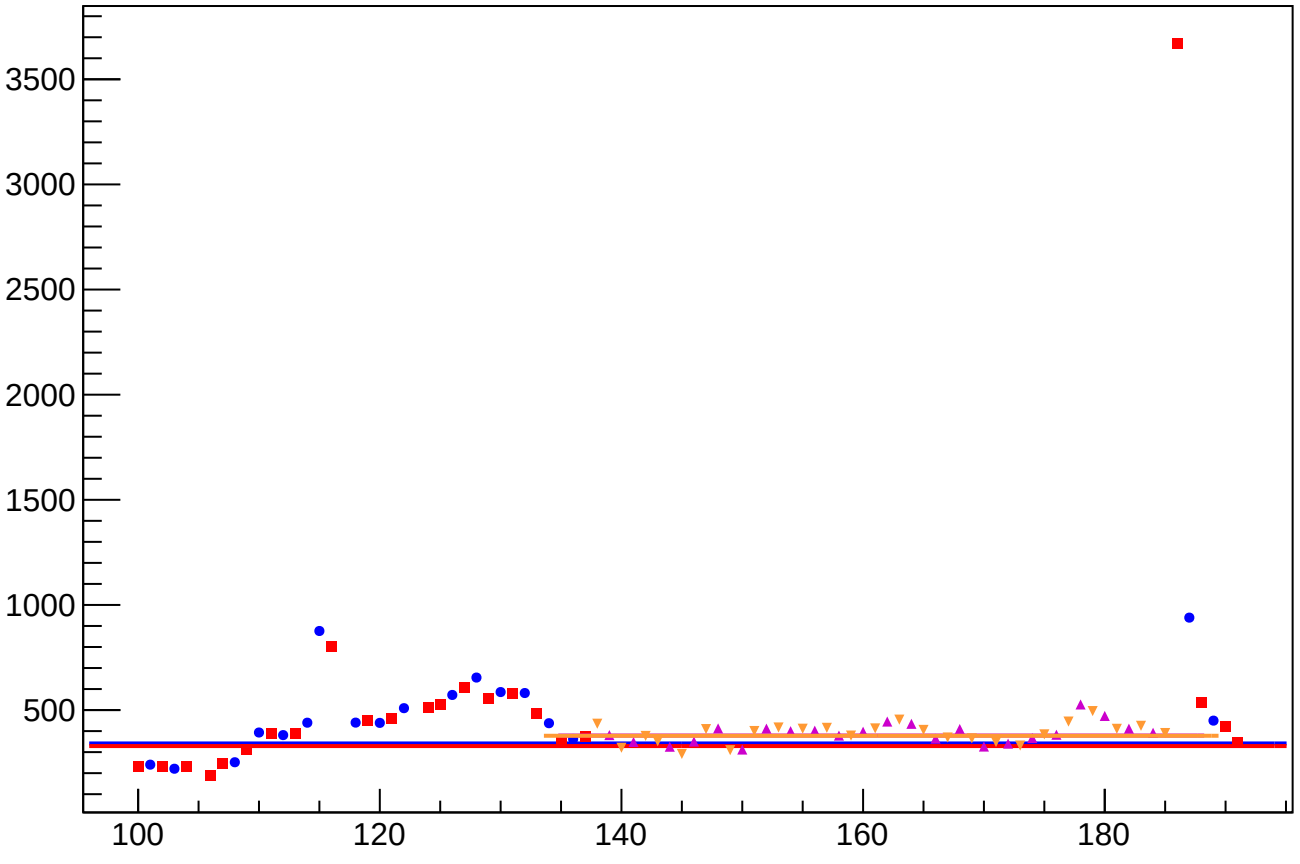
Right Out: 261.572+/-117.098 χ^2/NDF: 18.1/22

Left In: 59.907+/-89.411 χ^2/NDF:25.8/22

+ sign 209.681+/-72.183 χ^2/NDF: 51.1/42

All: 171.340+/-50.641 χ^2/NDF: 97.5/88

- sign 134.180+/-71.064 χ^2/NDF: 45.9/45



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: 328.790+/-0.083 χ^2/NDF: 2906154.5/22

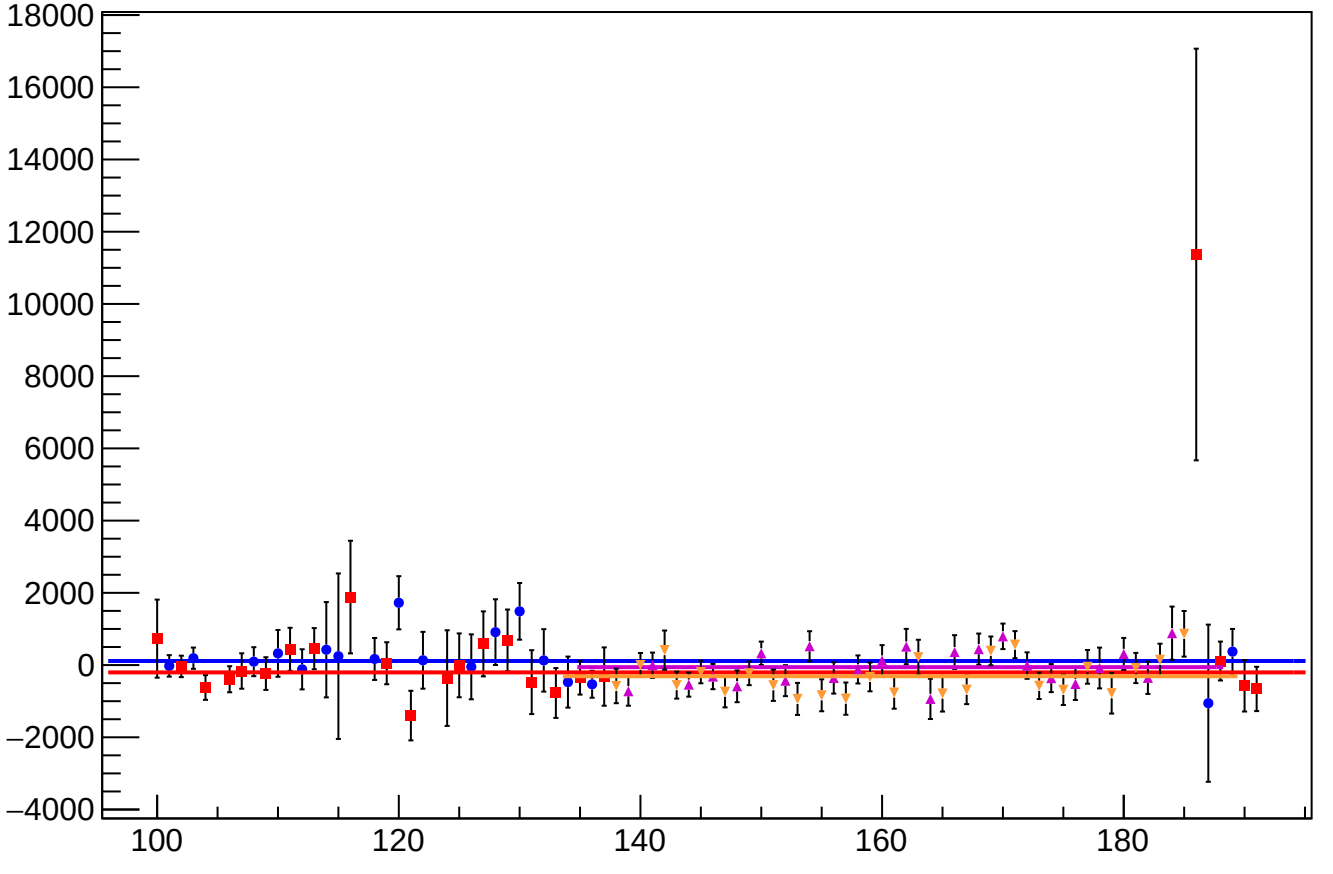
Left In: 378.869+/-0.063 χ^2/NDF:527680.9/22

+ sign 366.519+/-0.051 χ^2/NDF: 2688638.2/42

All: 363.424+/-0.036 χ^2/NDF: 6360788.5/88

- sign 360.425+/-0.050 χ^2/NDF: 3664911.3/45

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: -202.774+/-118.763 χ^2/NDF: 18.4/22

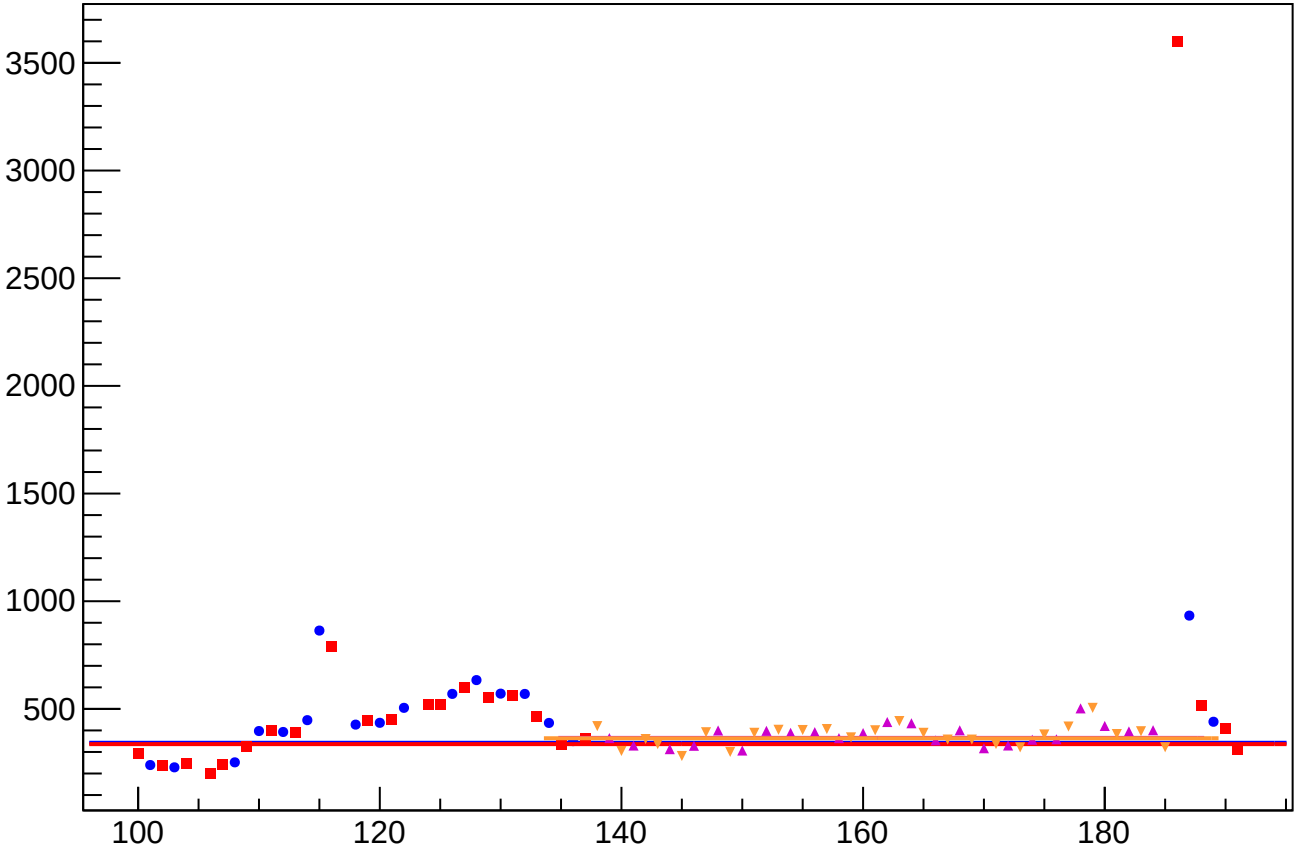
Left In: -57.543+/-86.225 χ^2/NDF:28.0/22

+ sign -185.550+/-70.367 χ^2/NDF: 50.8/42

All: -146.282+/-49.546 χ^2/NDF: 98.9/88

- sign -107.672+/-69.774 χ^2/NDF: 47.4/45

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

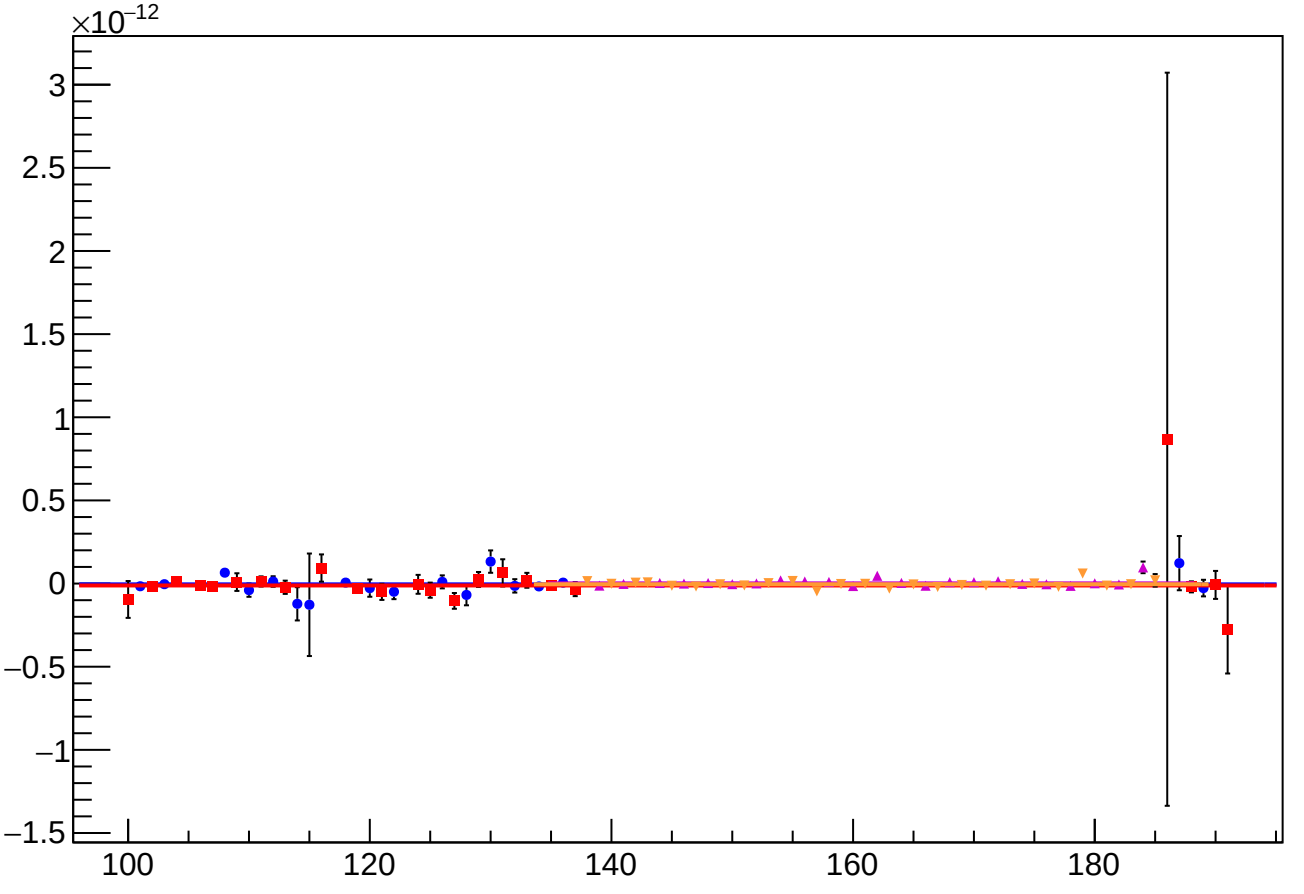
Right Out: 336.401+/-0.084 χ^2/NDF: 2581956.0/22

Left In: 365.324+/-0.061 χ^2/NDF:509496.4/22

+ sign 357.544+/-0.050 χ^2/NDF: 2525774.3/42

All: 356.433+/-0.035 χ^2/NDF: 5695891.8/88

- sign 355.341+/-0.049 χ^2/NDF: 3169128.7/45



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: 13.6/22

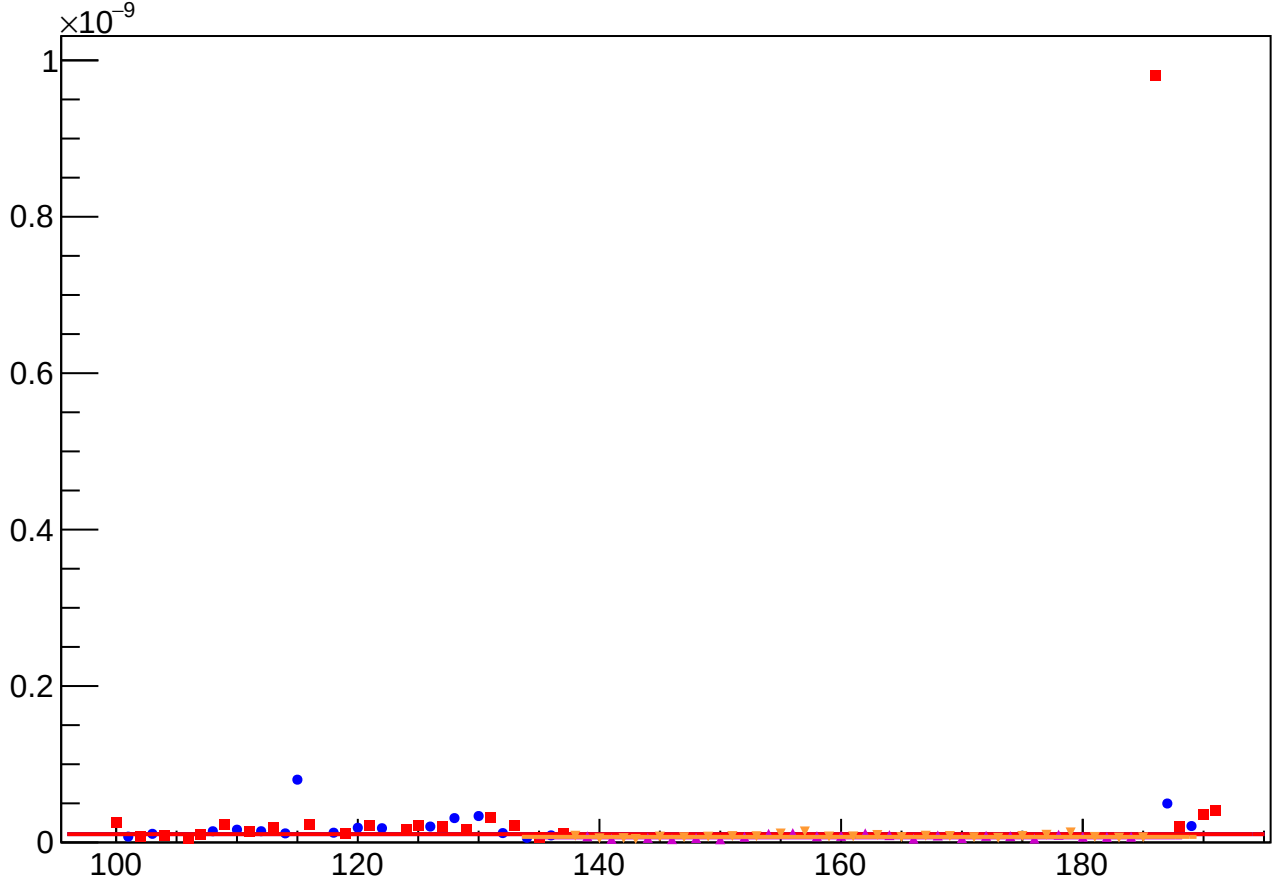
Left In: 0.000+/-0.000 χ^2/NDF:21.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 39.2/42

All: -0.000+/-0.000 χ^2/NDF: 79.1/88

- sign -0.000+/-0.000 χ^2/NDF: 38.8/45

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs Slug



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: 2218286.2/22

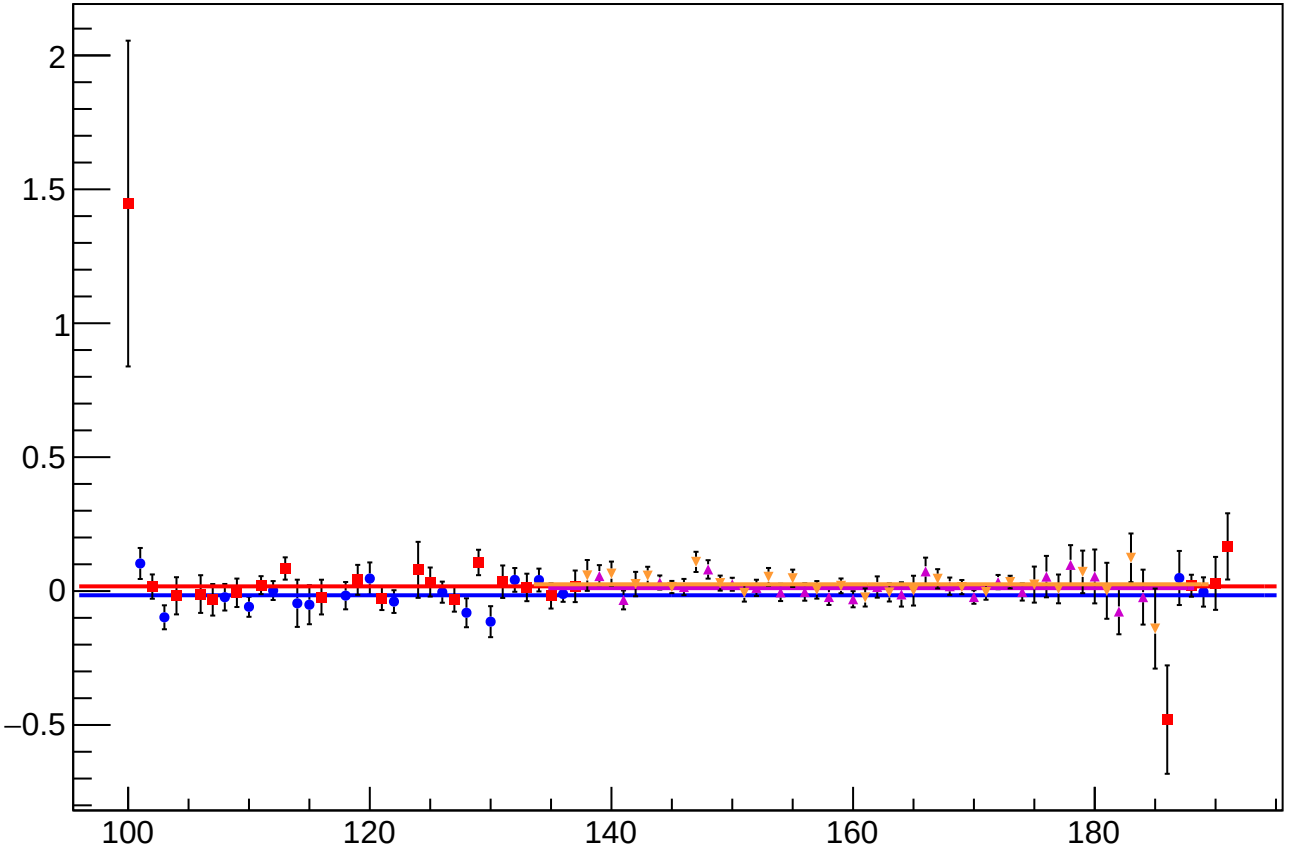
Left In: 0.000+/-0.000 χ^2/NDF:1216388.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 2790598.1/42

All: 0.000+/-0.000 χ^2/NDF: 7014990.0/88

- sign 0.000+/-0.000 χ^2/NDF: 4170473.3/45

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: 0.018+/-0.011 χ^2/NDF: 24.3/22

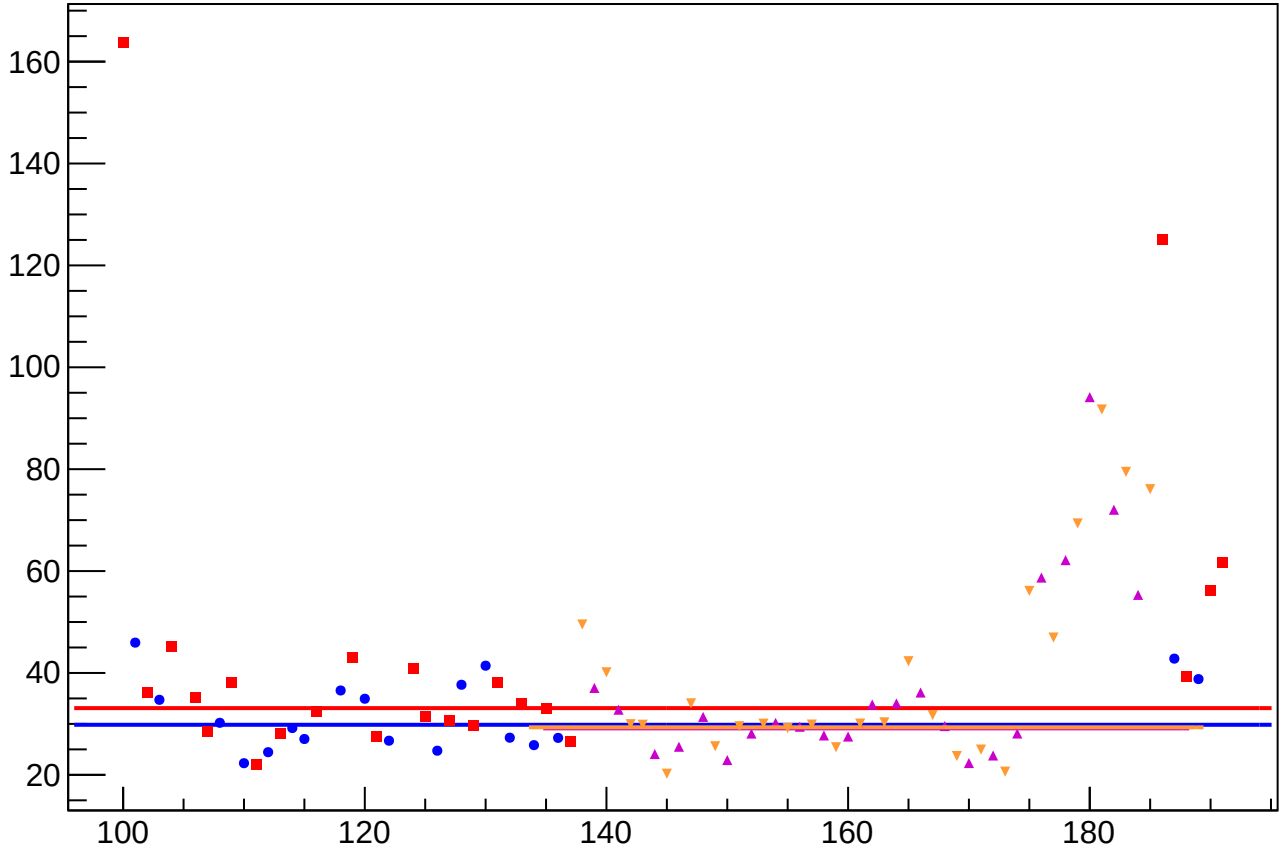
Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.013+/-0.006 χ^2/NDF: 46.4/42

All: 0.013+/-0.004 χ^2/NDF: 90.0/88

- sign 0.013+/-0.006 χ^2/NDF: 43.6/45

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

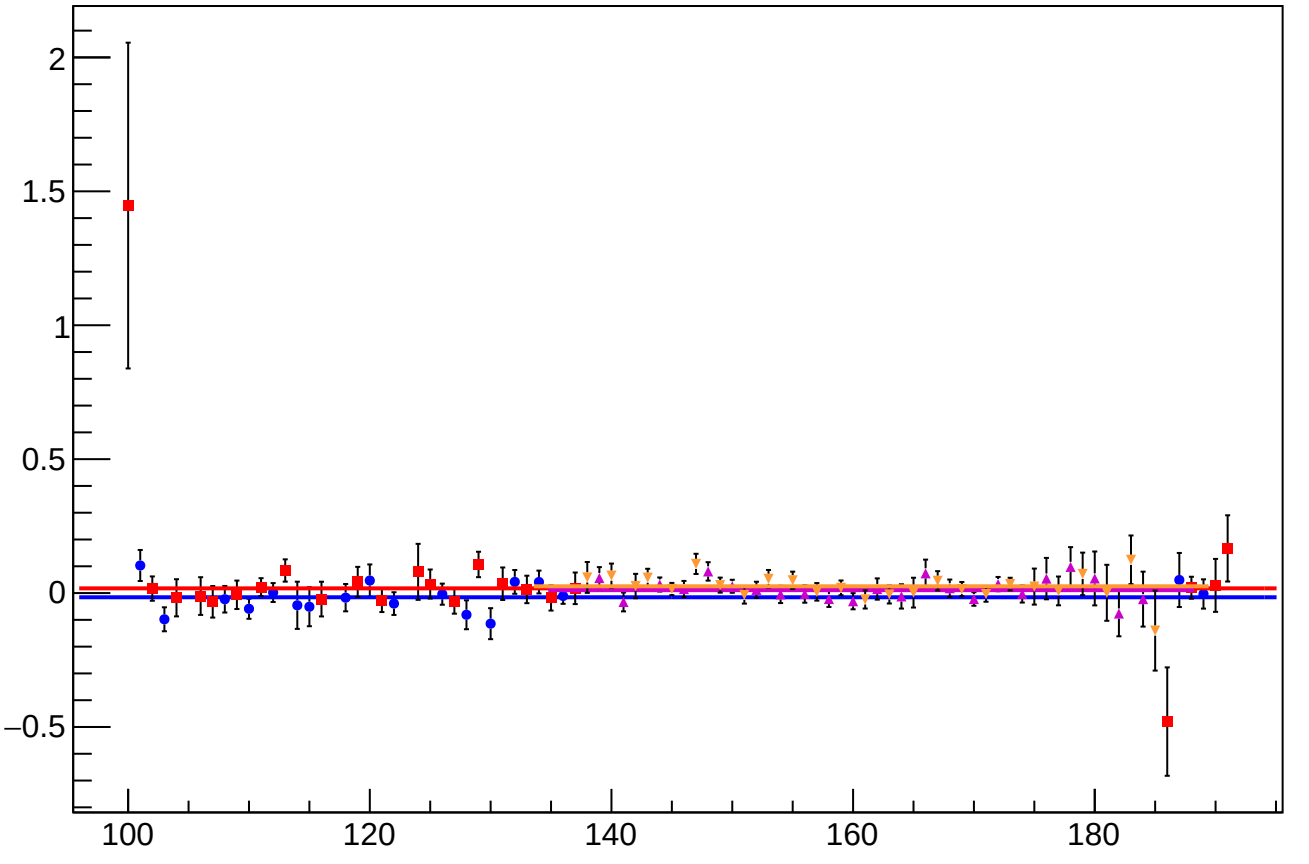
Right Out: 33.098+/-0.008 χ^2/NDF: 1275500.6/22

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

+ sign 29.481+/-0.004 χ^2/NDF: 4529832.5/42

All: 29.867+/-0.003 χ^2/NDF: 8832417.7/88

- sign 30.271+/-0.004 χ^2/NDF: 4285749.7/45



Right In: -0.016+/-0.011 χ^2/NDF: 19.3/17

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

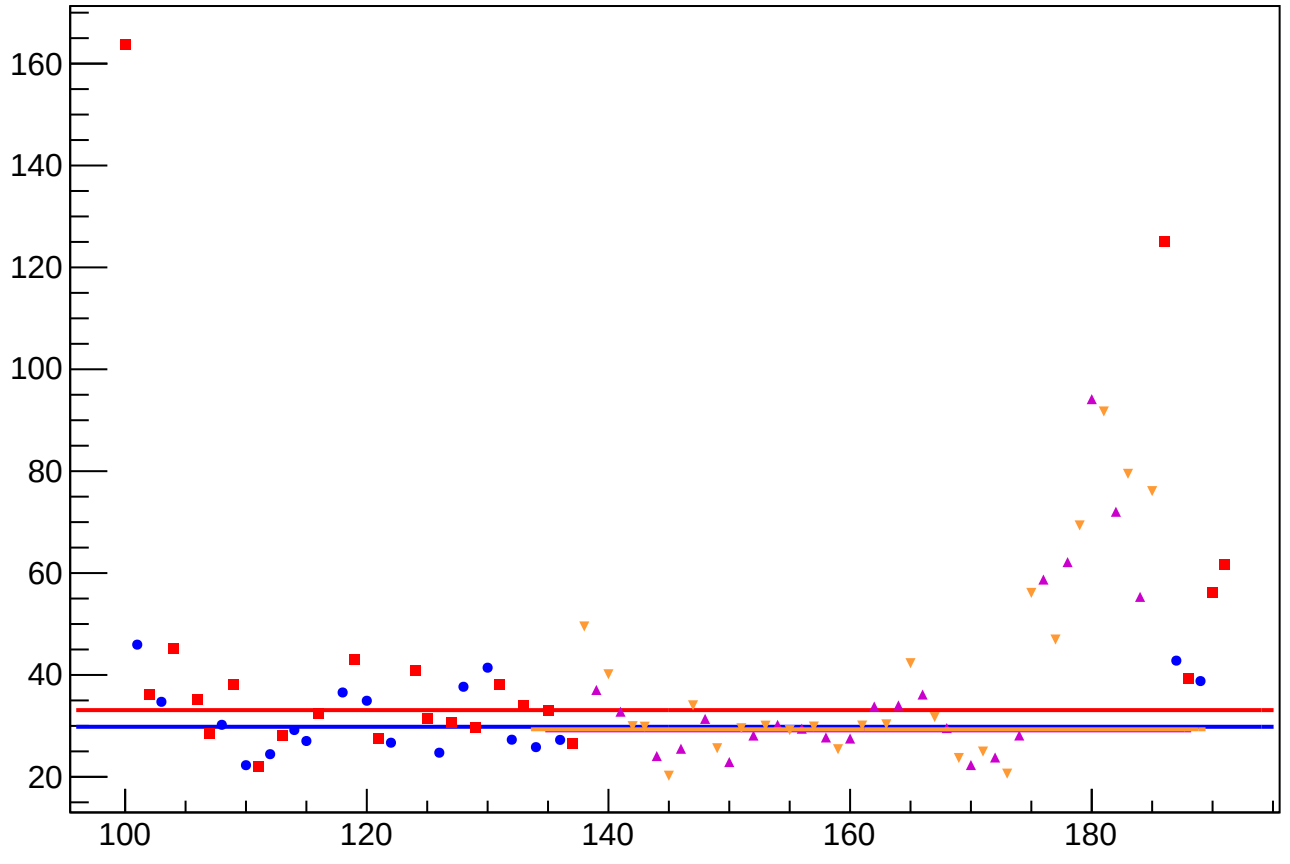
Right Out: 0.018+/-0.011 χ^2/NDF: 24.3/22

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: 90.0/88

- sign 0.013+/-0.006 χ^2/NDF: 43.6/45



Right In: 29.828+/-0.008 χ^2/NDF: 652246.3/17

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

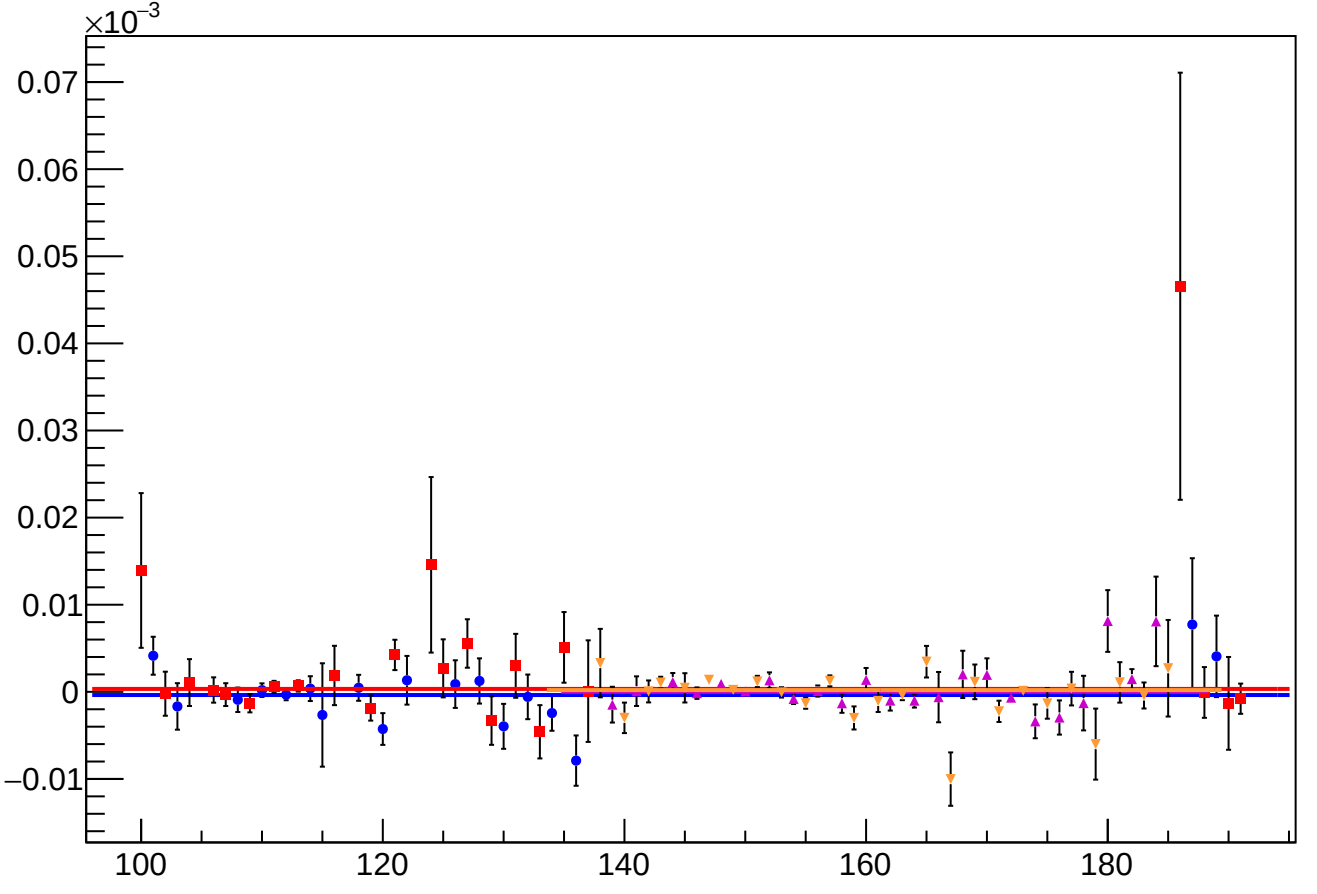
Right Out: 33.098+/-0.008 χ^2/NDF: 1275500.6/22

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

+ sign 29.481+/-0.004 χ^2/NDF: 4529832.5/42

All: 29.867+/-0.003 χ^2/NDF: 8832417.7/88

- sign 30.271+/-0.004 χ^2/NDF: 4285749.7/45



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: 29.4/22

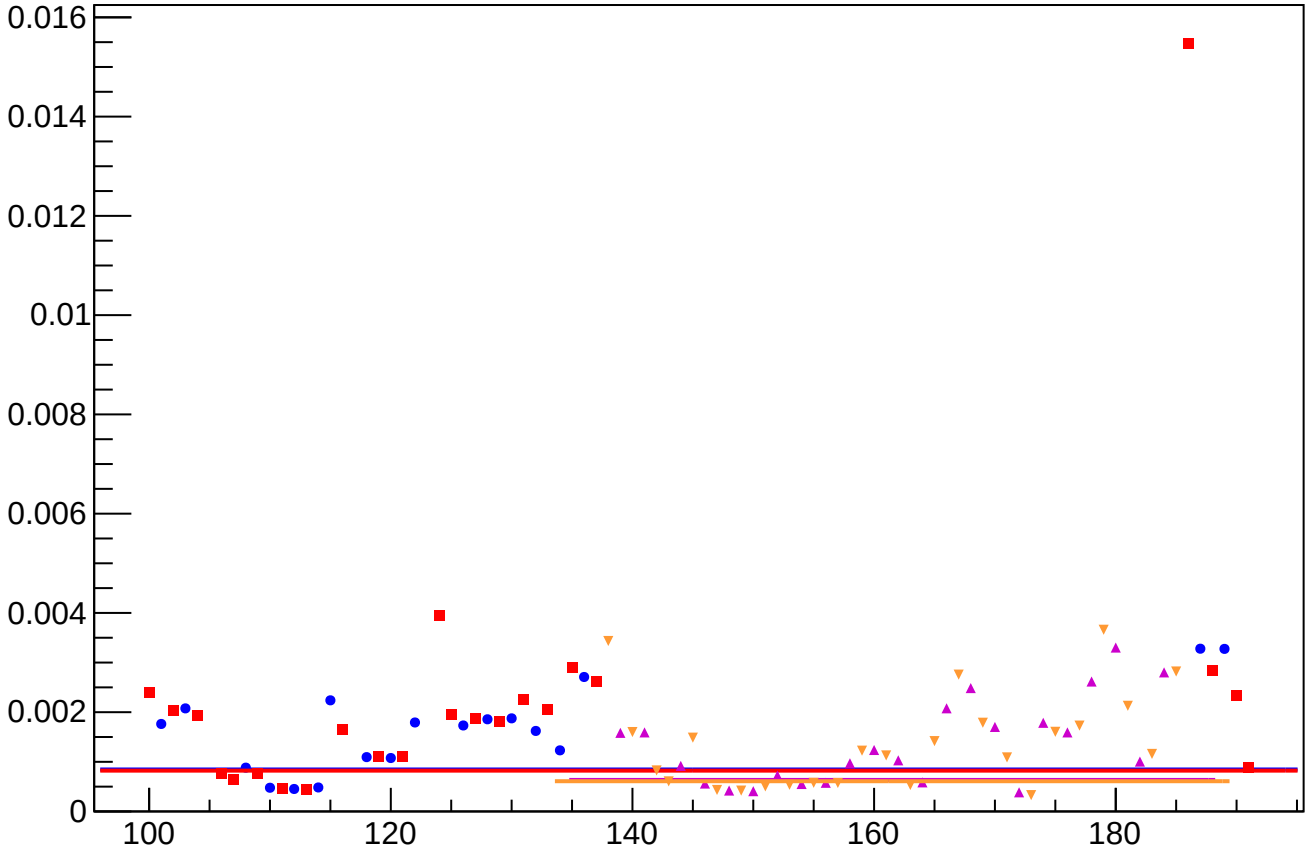
Left In: 0.000+/-0.000 χ^2/NDF:32.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 77.8/42

All: 0.000+/-0.000 χ^2/NDF: 140.9/88

- sign 0.000+/-0.000 χ^2/NDF: 63.1/45

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

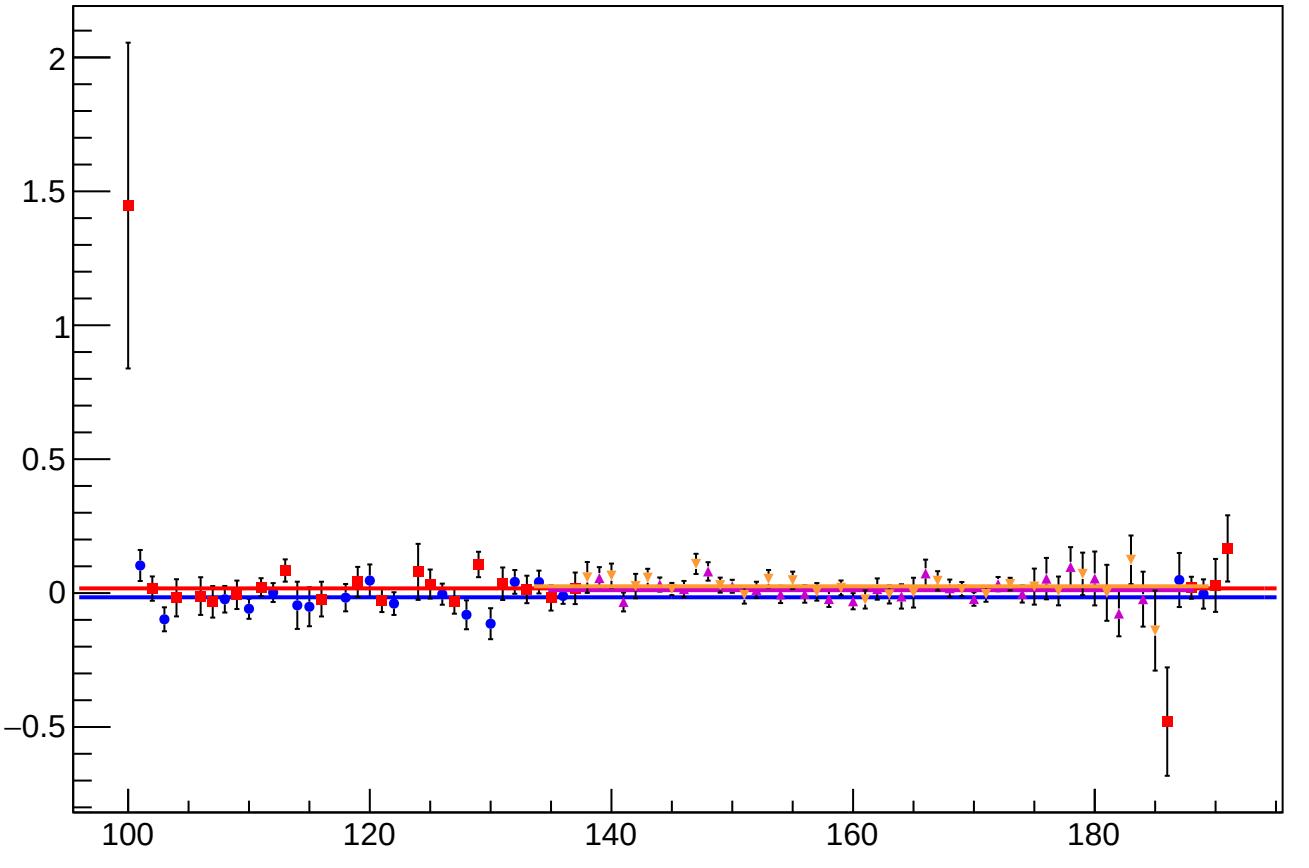
Right Out: 0.001+/-0.000 χ^2/NDF: 6507121.0/22

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: 33231204.5/88

- sign 0.001+/-0.000 χ^2/NDF: 16359508.0/45



Right In: -0.016+/-0.011 χ^2/NDF: 19.3/17

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

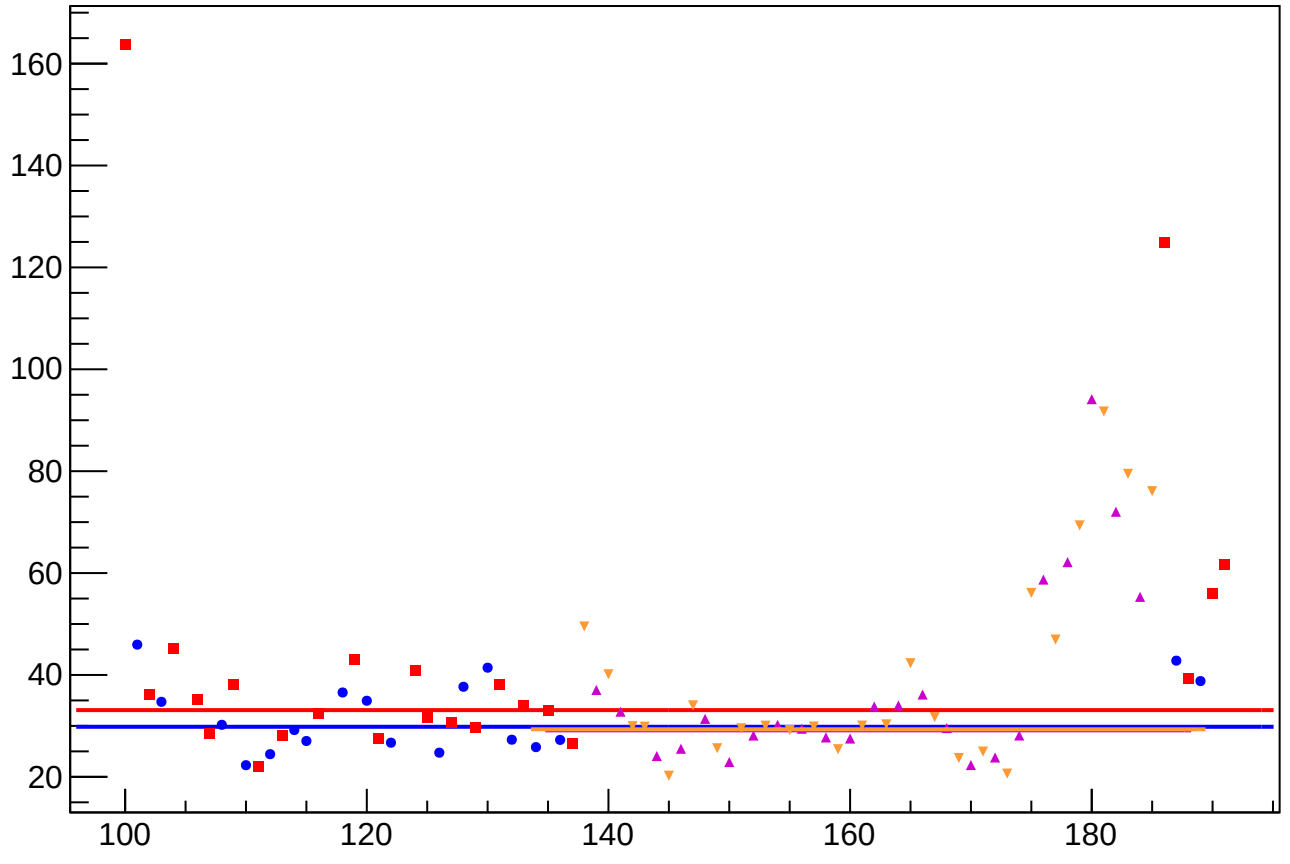
Right Out: 0.018+/-0.011 χ^2/NDF: 24.3/22

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: 90.0/88

- sign 0.013+/-0.006 χ^2/NDF: 43.6/45



Right In: 29.828+/-0.008 χ^2/NDF: 652215.6/17

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

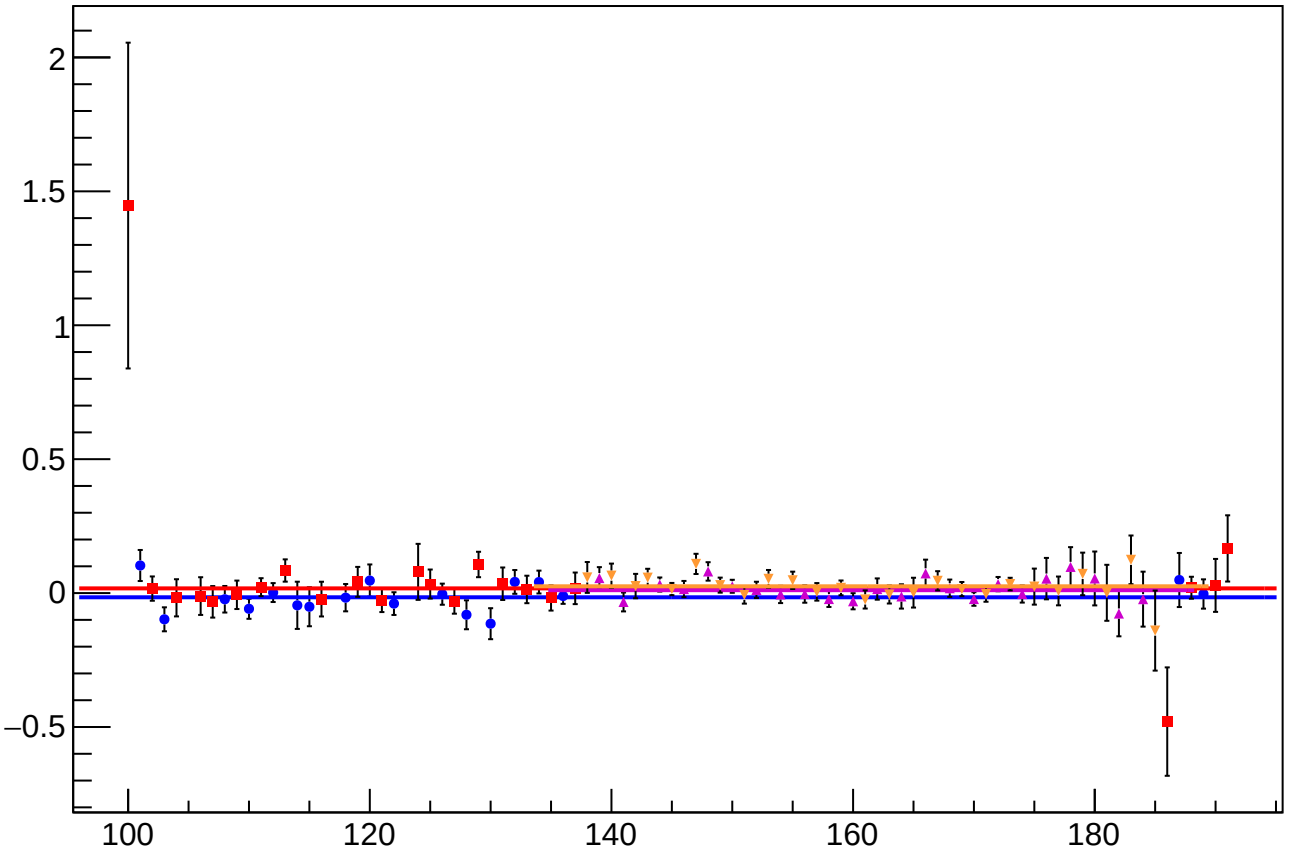
Right Out: 33.098+/-0.008 χ^2/NDF: 1275438.2/22

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 29.481+/-0.004 χ^2/NDF: 4529869.7/42

All: 29.867+/-0.003 χ^2/NDF: 8832390.4/88

- sign 30.271+/-0.004 χ^2/NDF: 4285683.0/45



Right In: -0.016+/-0.011 χ^2/NDF: 19.3/17

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

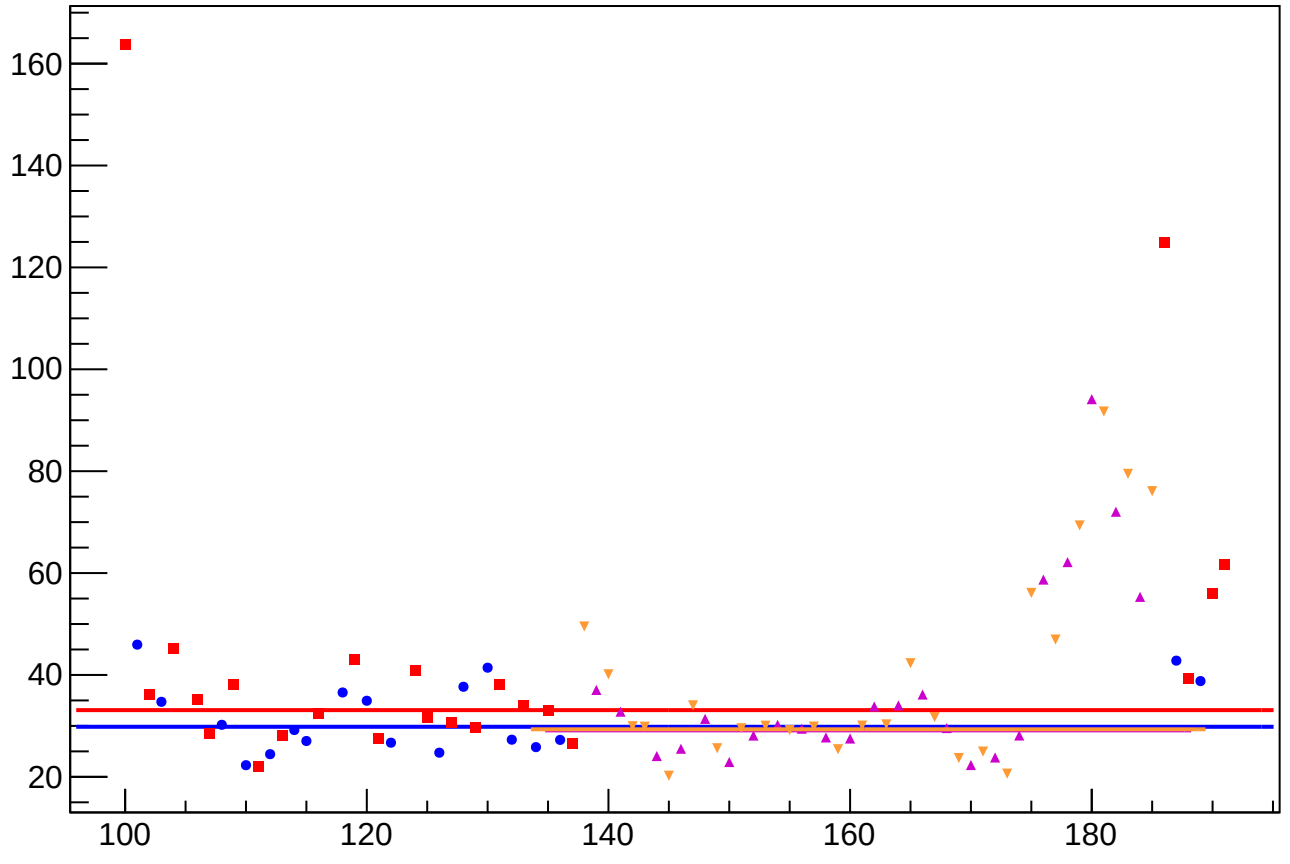
Right Out: 0.018+/-0.011 χ^2/NDF: 24.3/22

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: 90.0/88

- sign 0.013+/-0.006 χ^2/NDF: 43.6/45



Right In: 29.828+/-0.008 χ^2/NDF: 652215.6/17

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

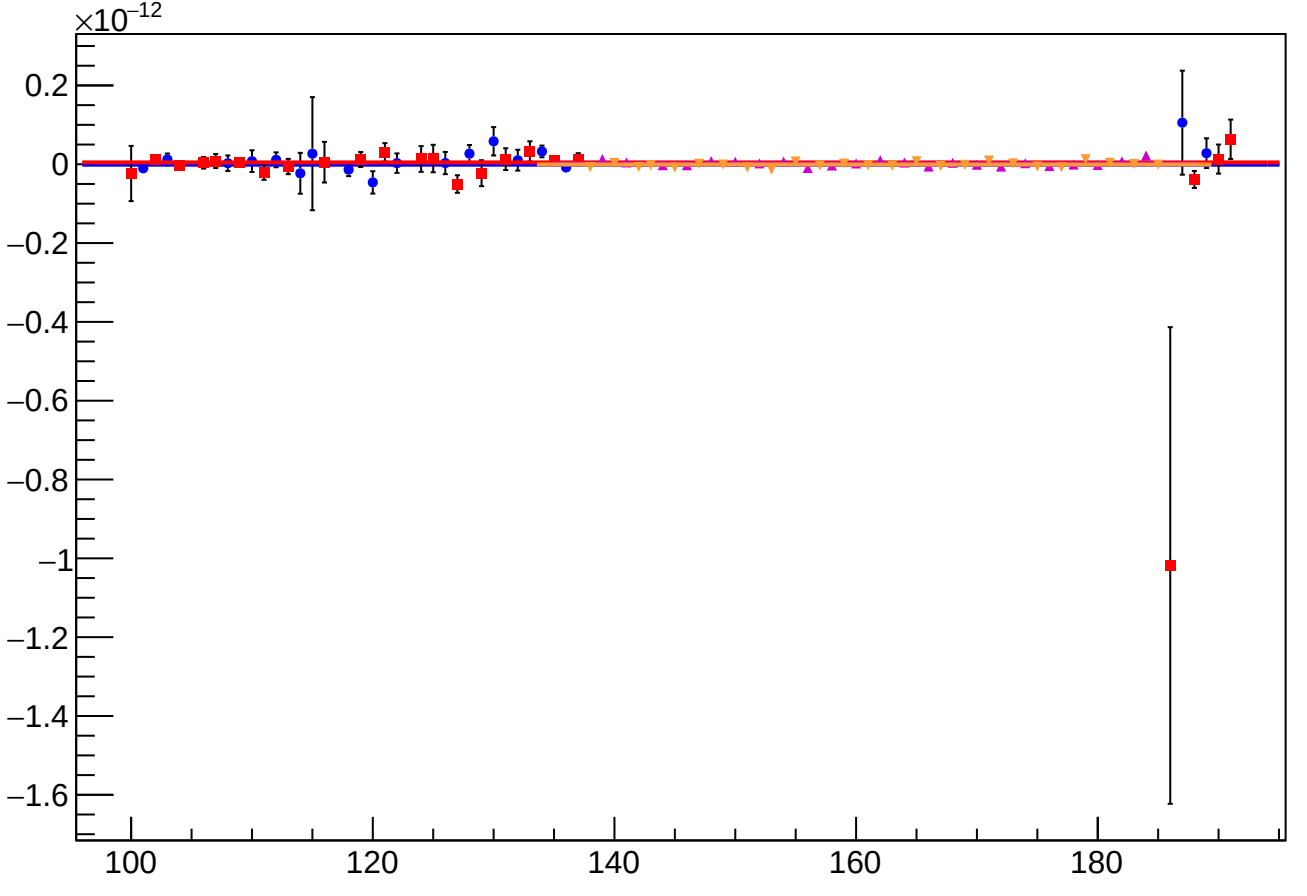
Right Out: 33.098+/-0.008 χ^2/NDF: 1275438.2/22

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 29.481+/-0.004 χ^2/NDF: 4529869.7/42

All: 29.867+/-0.003 χ^2/NDF: 8832390.4/88

- sign 30.271+/-0.004 χ^2/NDF: 4285683.0/45



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/17

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/24

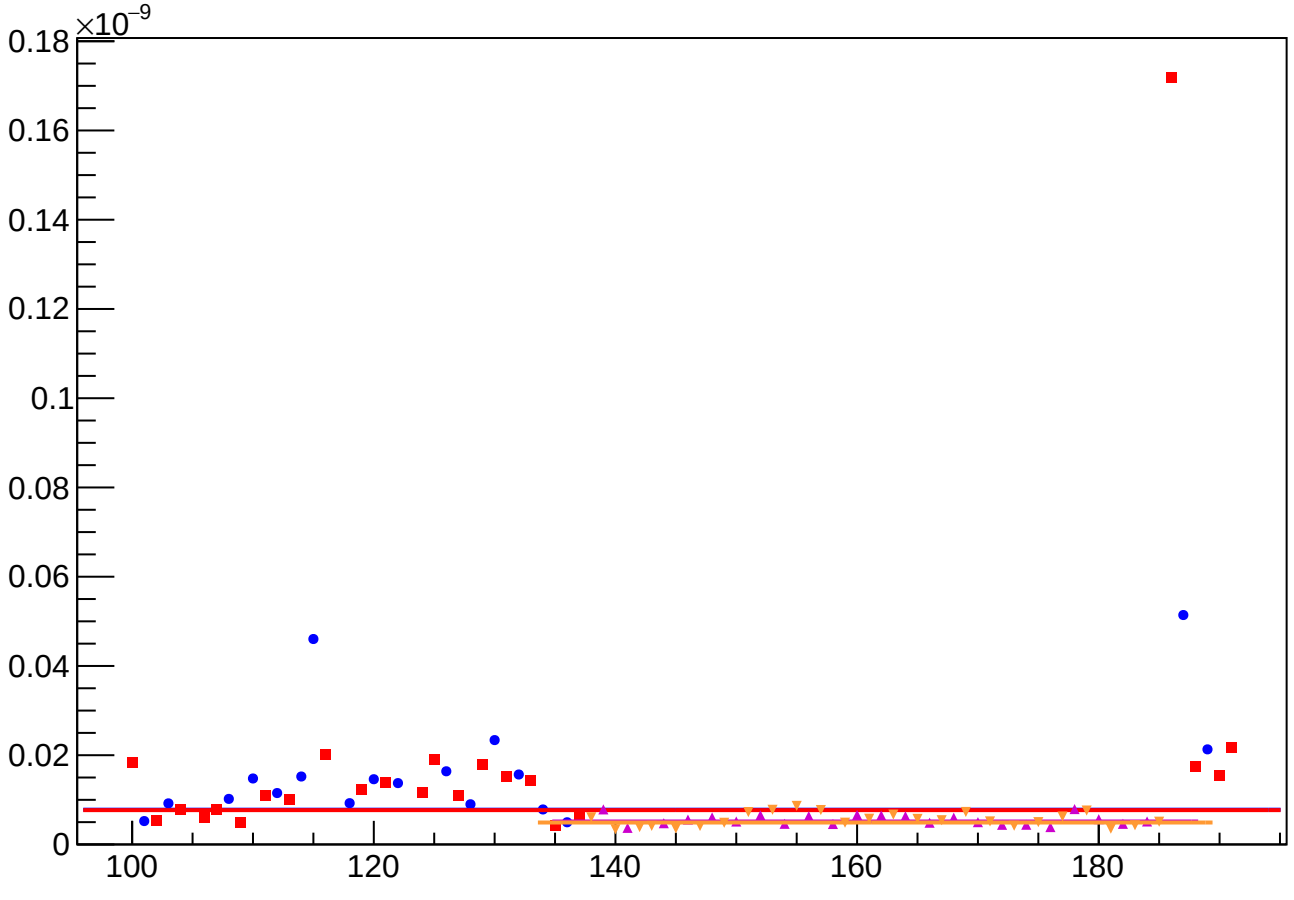
Right Out: 0.000+/-0.000 χ^2/NDF: 21.7/22

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: 74.3/88

- sign 0.000+/-0.000 χ^2/NDF: 38.9/45



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: 2820796.2/22

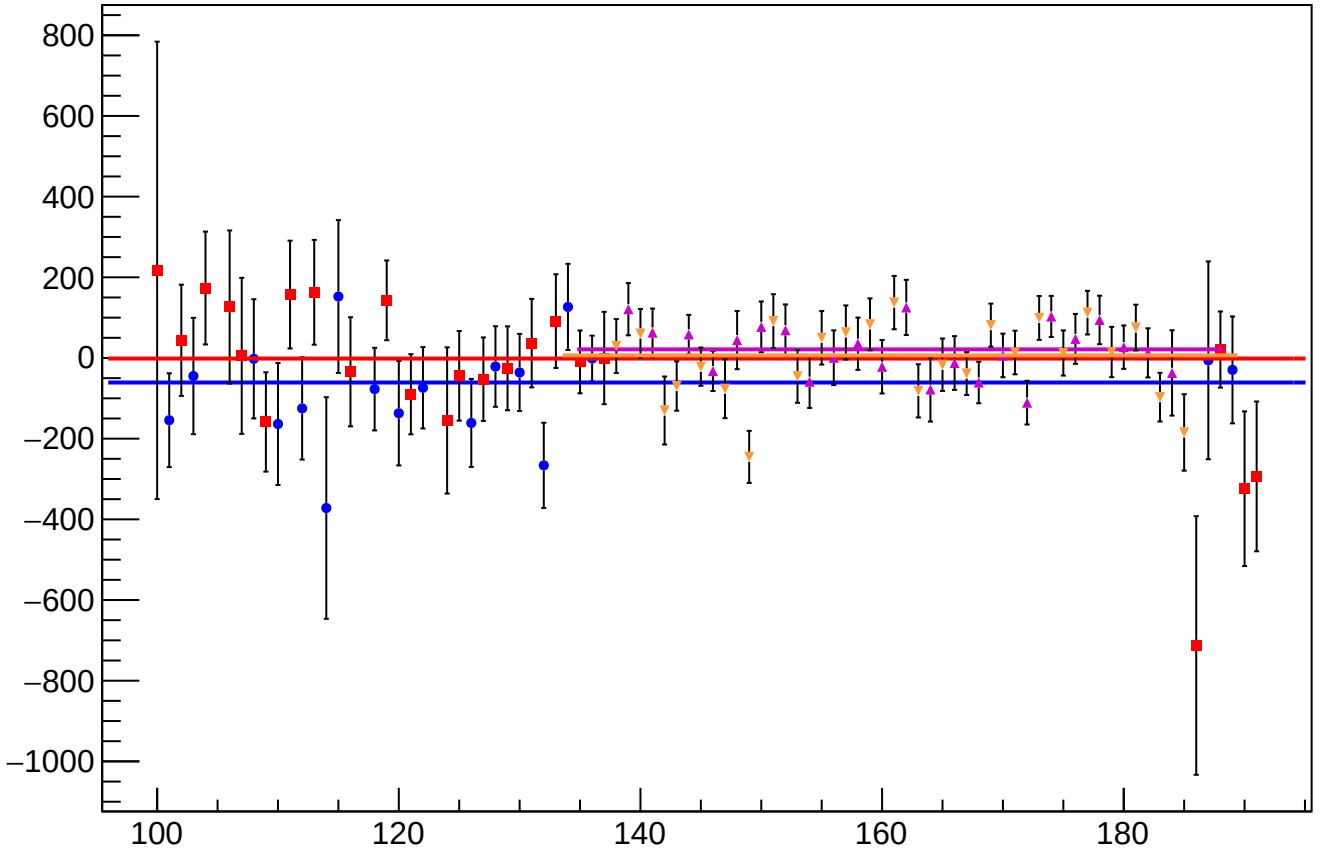
Left In: 0.000+/-0.000 χ^2/NDF:976775.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 5379362.6/42

All: 0.000+/-0.000 χ^2/NDF: 10081973.4/88

- sign 0.000+/-0.000 χ^2/NDF: 4666217.2/45

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: -1.422+/-26.038 χ^2/NDF: 22.1/22

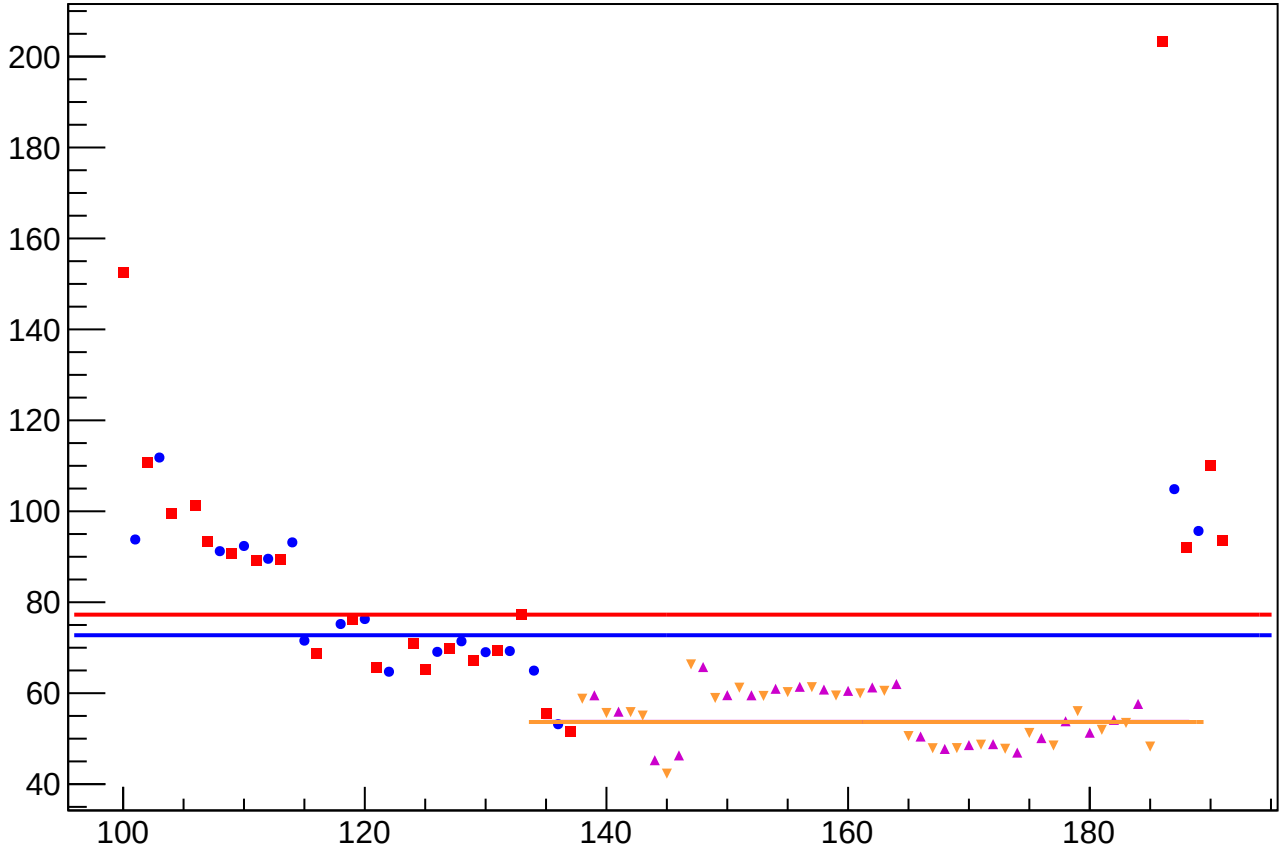
Left In: 21.336+/-12.649 χ^2/NDF:25.4/22

\+ sign -5.390+/-11.147 χ^2/NDF: 69.5/42

All: 5.571+/-7.963 χ^2/NDF: 119.6/88

\- sign 16.990+/-11.378 χ^2/NDF: 48.1/45

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

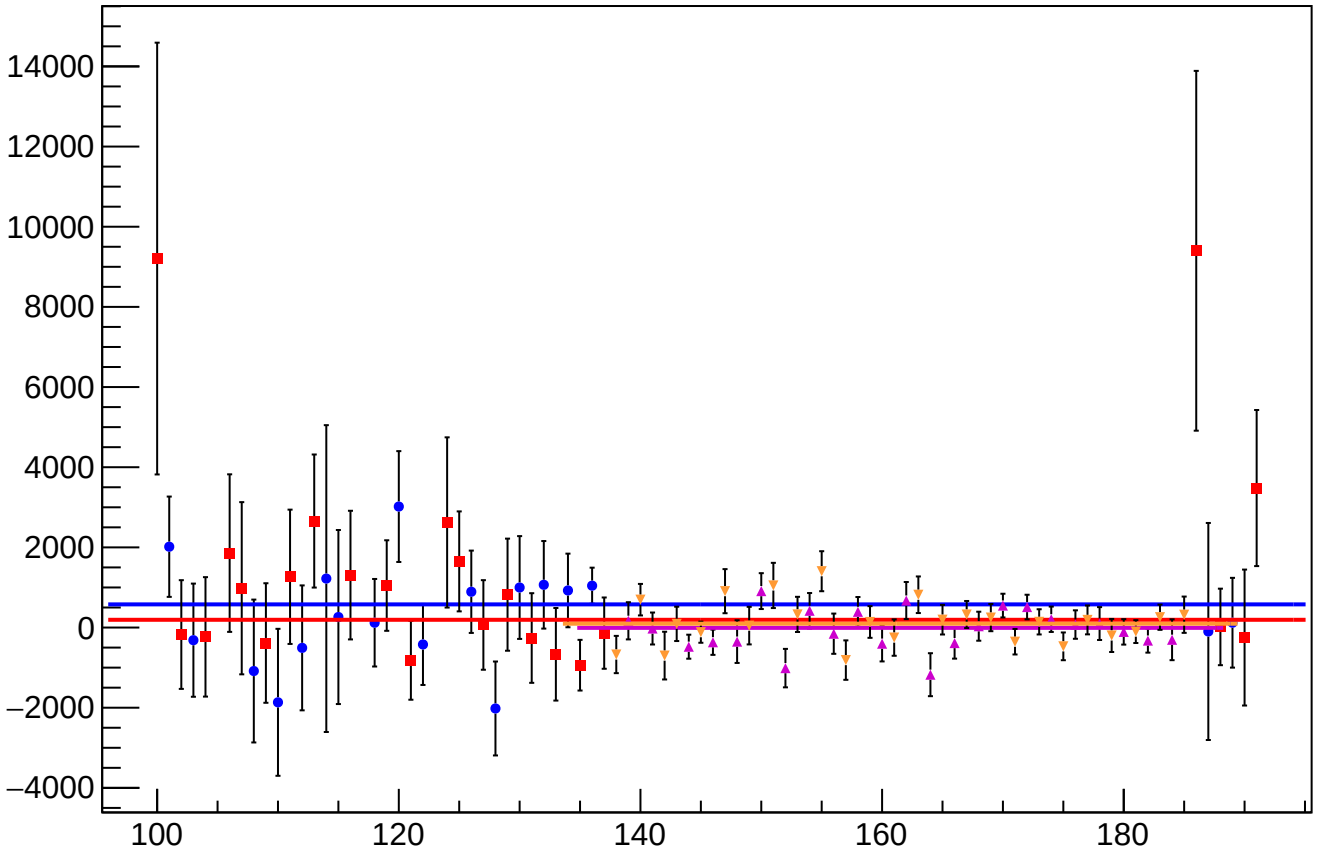
Right Out: 77.272+/-0.018 χ^2/NDF: 1098115.4/22

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 57.042+/-0.008 χ^2/NDF: 2015681.7/42

All: 57.607+/-0.006 χ^2/NDF: 4922381.0/88

- sign 58.196+/-0.008 χ^2/NDF: 2896187.9/45



Right In: 577.998+/-258.353 χ^2/NDF: 15.9/17

Left Out: 95.456+/-77.134 χ^2/NDF:33.2/24

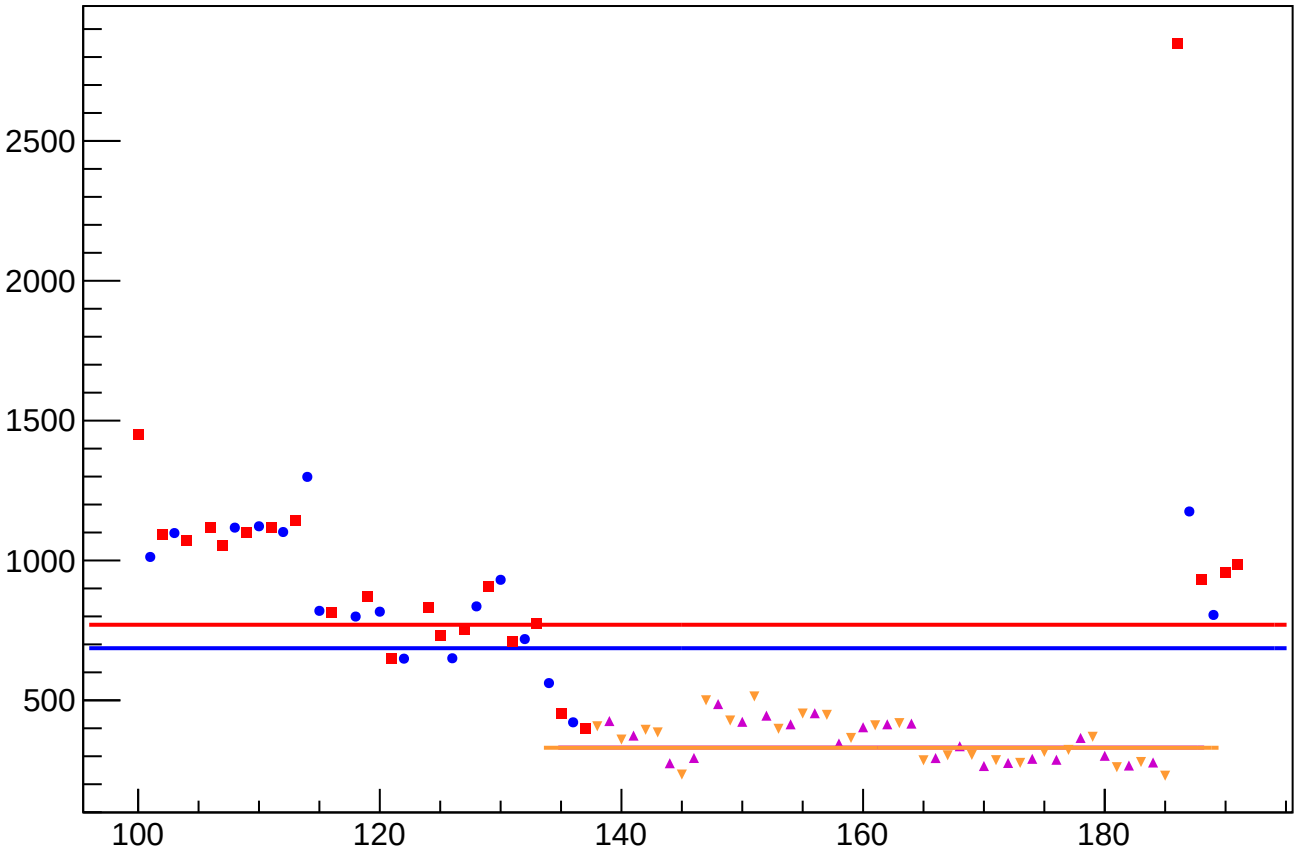
Right Out: 193.421+/-266.030 χ^2/NDF: 22.8/22

Left In: -7.879+/-79.125 χ^2/NDF:32.3/22

+ sign 134.949+/-73.910 χ^2/NDF: 52.3/42

All: 73.346+/-52.932 χ^2/NDF: 109.4/88

- sign 8.482+/-75.842 χ^2/NDF: 55.6/45



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: 770.153+/-0.188 χ^2/NDF: 2077203.6/22

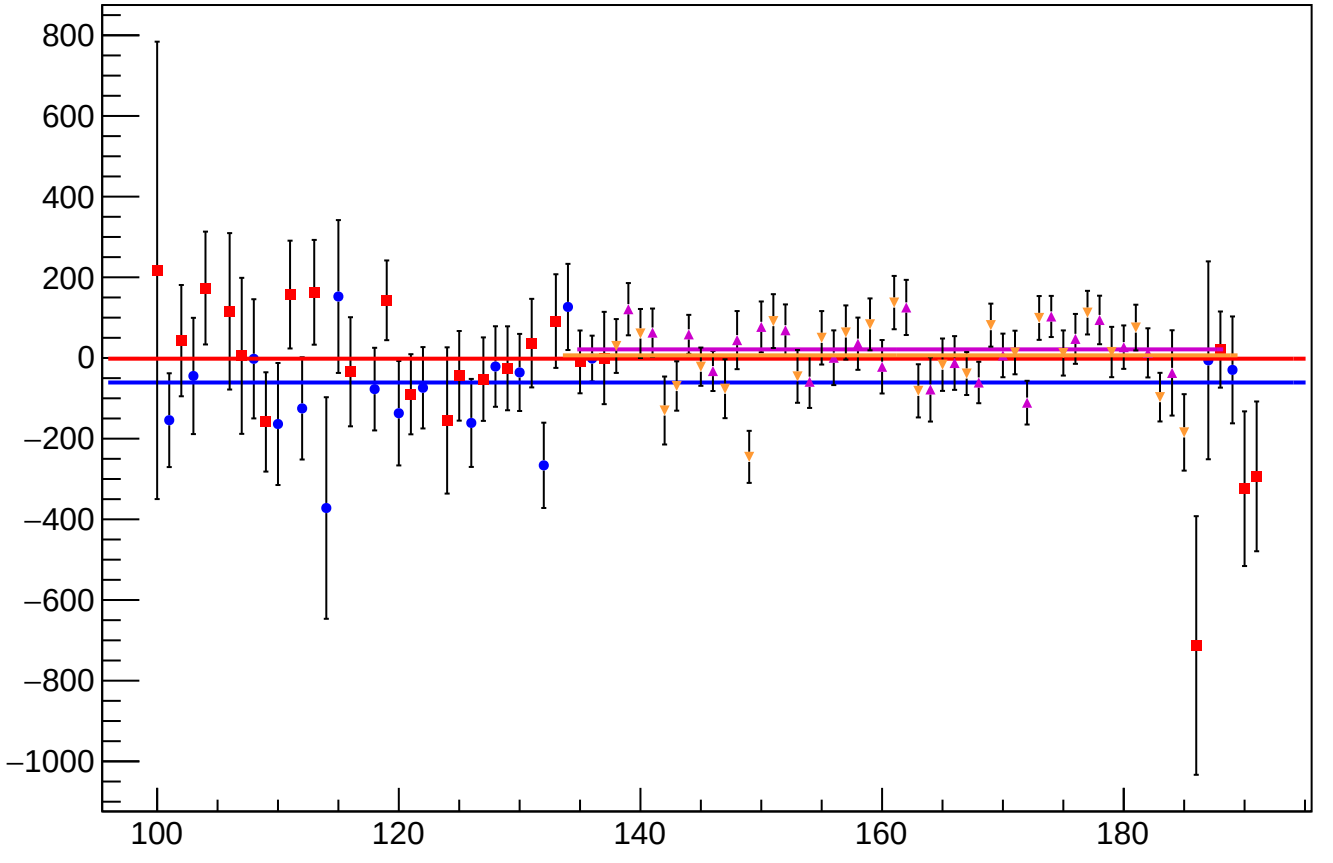
Left In: 331.059+/-0.056 χ^2/NDF:1325602.5/22

+ sign 359.535+/-0.052 χ^2/NDF: 6946814.0/42

All: 363.048+/-0.037 χ^2/NDF: 15364650.8/88

- sign 366.746+/-0.054 χ^2/NDF: 8408564.8/45

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: -1.749+/-26.049 χ^2/NDF: 22.0/22

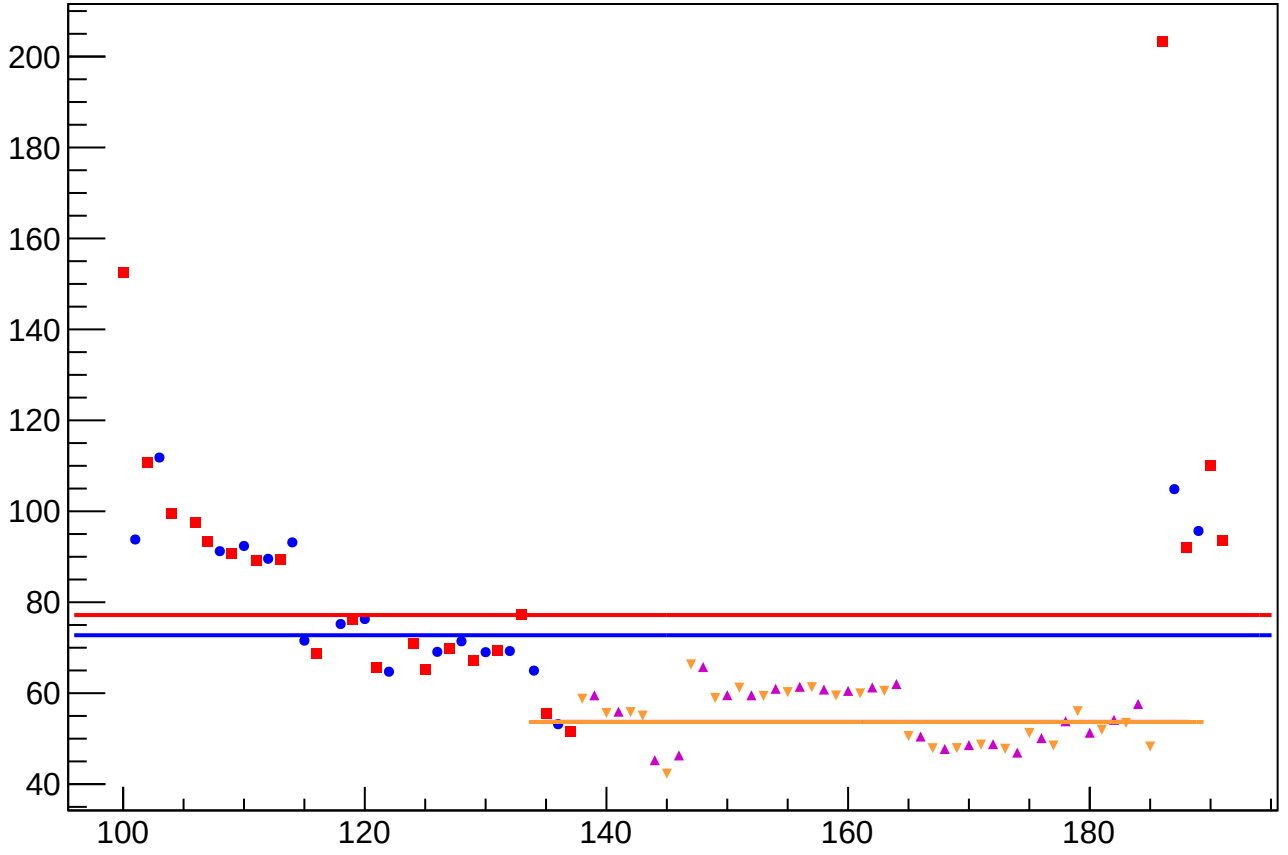
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

\+ sign -5.386+/-11.147 χ^2/NDF: 69.5/42

All: 5.543+/-7.963 χ^2/NDF: 119.5/88

\- sign 16.930+/-11.379 χ^2/NDF: 48.0/45

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

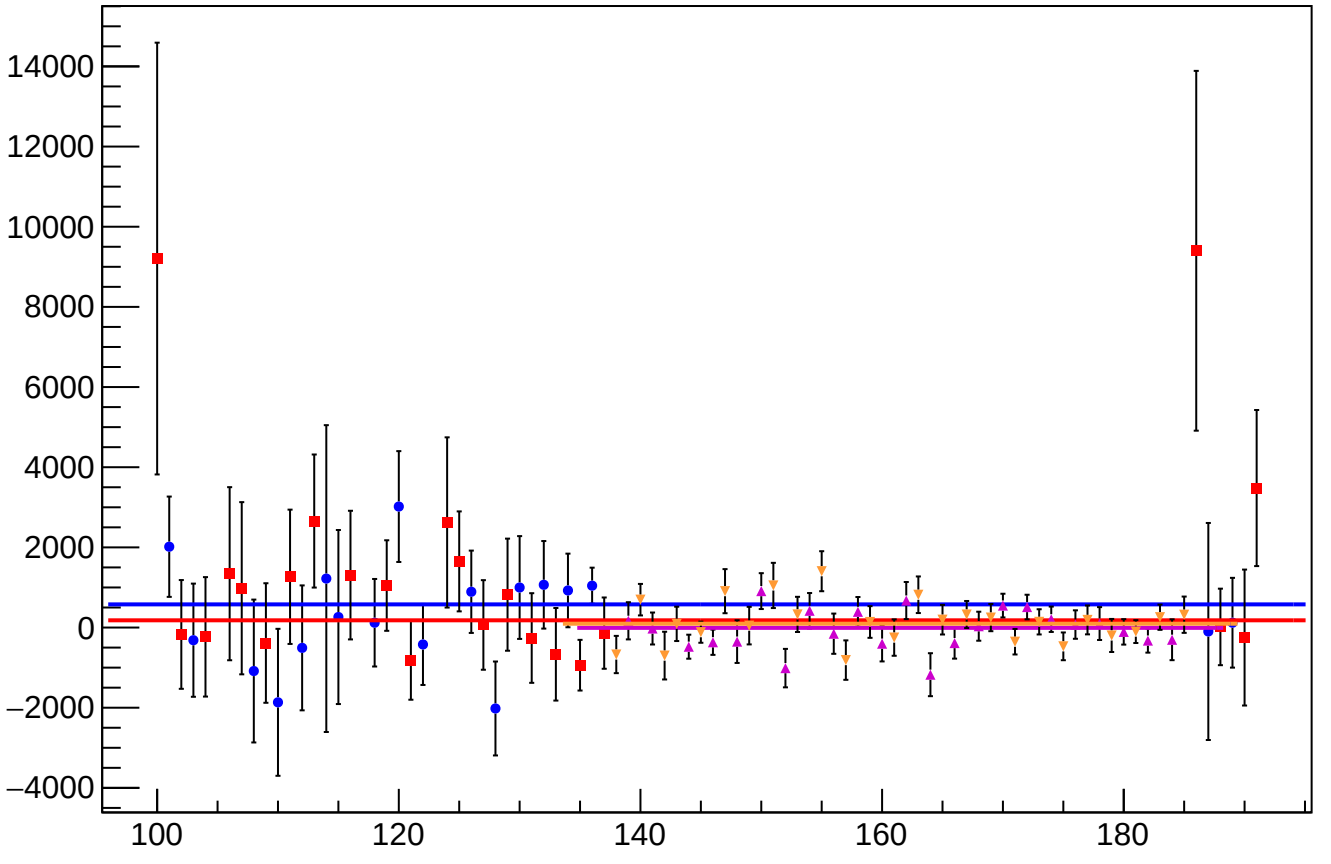
Right Out: 77.187+/-0.018 χ^2/NDF: 1088356.8/22

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 57.042+/-0.008 χ^2/NDF: 2015684.3/42

All: 57.598+/-0.006 χ^2/NDF: 4901841.7/88

- sign 58.177+/-0.008 χ^2/NDF: 2875994.6/45



Right In: 577.987+/-258.353 χ^2/NDF: 15.9/17

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

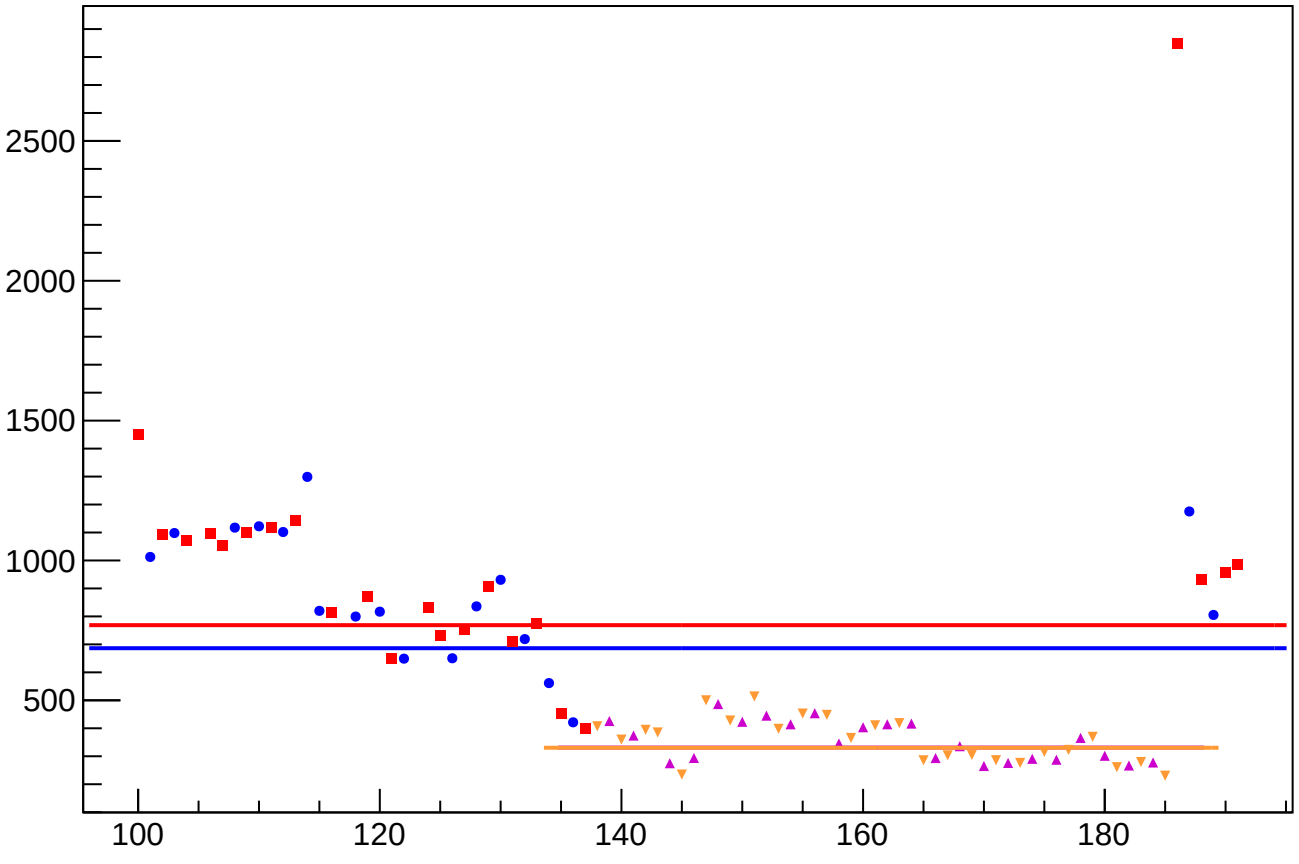
Right Out: 180.480+/-266.456 χ^2/NDF: 22.4/22

Left In: -7.875+/-79.125 χ^2/NDF:32.3/22

+ sign 134.950+/-73.910 χ^2/NDF: 52.3/42

All: 72.822+/-52.936 χ^2/NDF: 108.9/88

- sign 7.388+/-75.852 χ^2/NDF: 55.1/45



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: 768.722+/-0.188 χ^2/NDF: 2060165.4/22

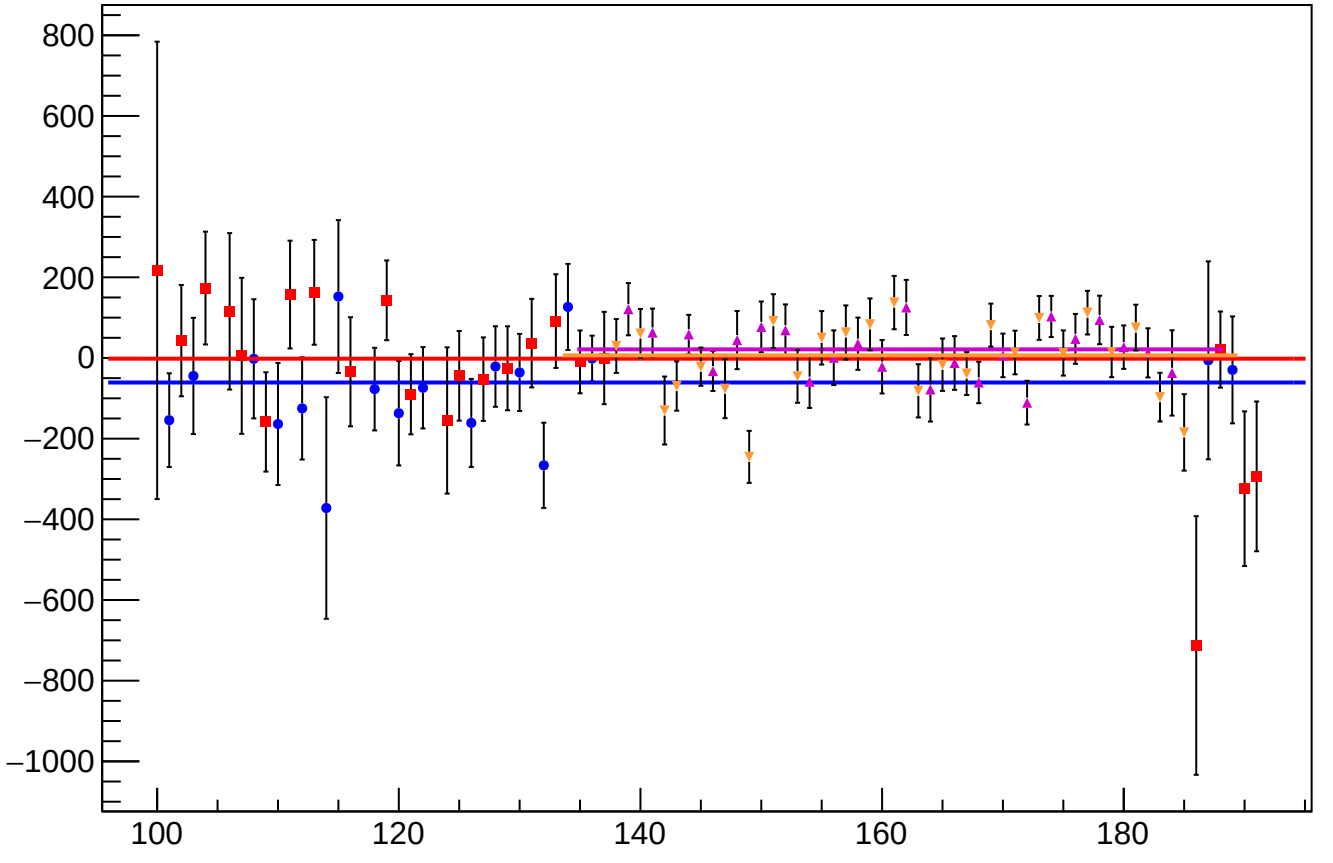
Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 359.535+/-0.052 χ^2/NDF: 6946833.7/42

All: 362.940+/-0.037 χ^2/NDF: 15299917.4/88

- sign 366.525+/-0.054 χ^2/NDF: 8344371.8/45

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: -1.749+/-26.049 χ^2/NDF: 22.0/22

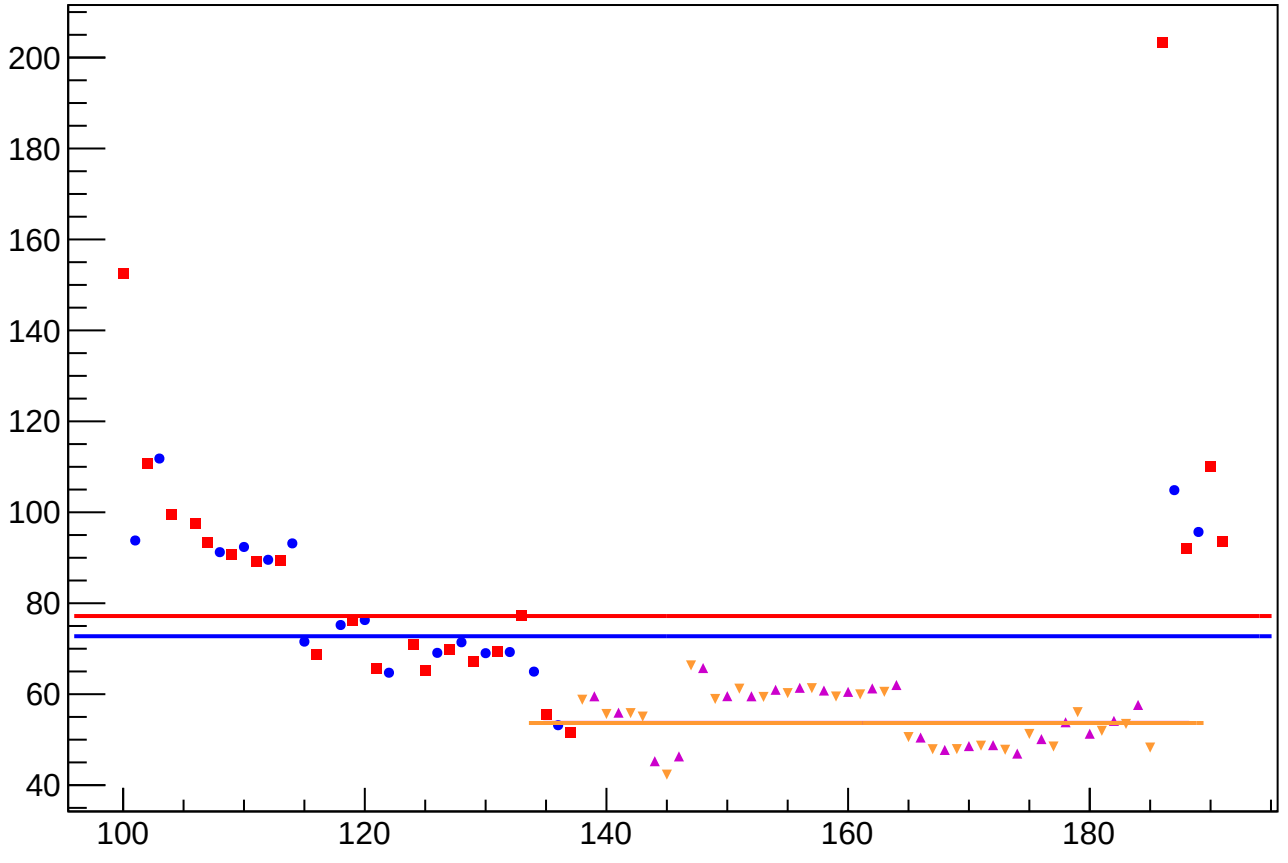
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

+ sign -5.386+/-11.147 χ^2/NDF: 69.5/42

All: 5.543+/-7.963 χ^2/NDF: 119.5/88

- sign 16.930+/-11.379 χ^2/NDF: 48.0/45

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

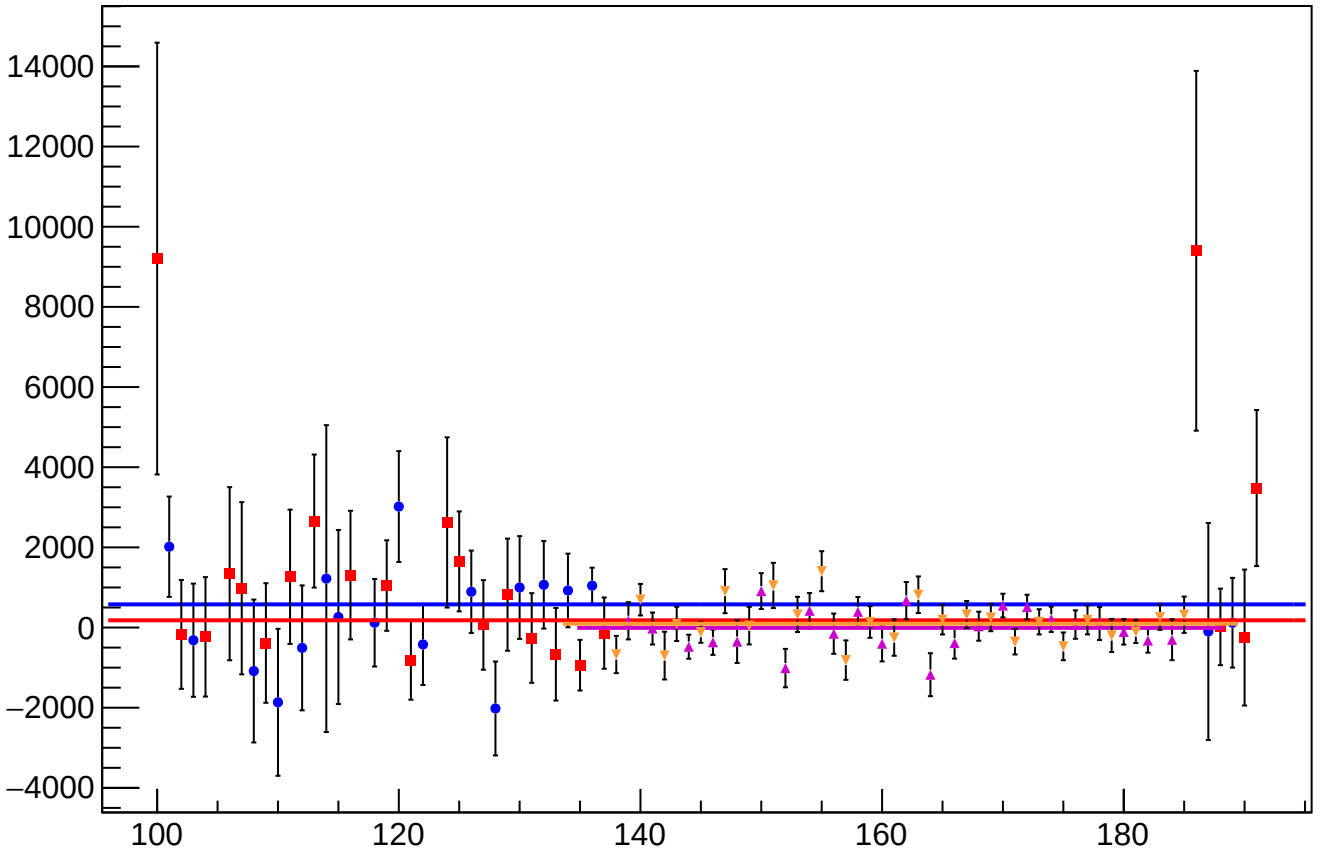
Right Out: 77.187+/-0.018 χ^2/NDF: 1088356.8/22

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 57.042+/-0.008 χ^2/NDF: 2015684.3/42

All: 57.598+/-0.006 χ^2/NDF: 4901841.7/88

- sign 58.177+/-0.008 χ^2/NDF: 2875994.6/45



Right In: 577.987+/-258.353 χ^2/NDF: 15.9/17

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

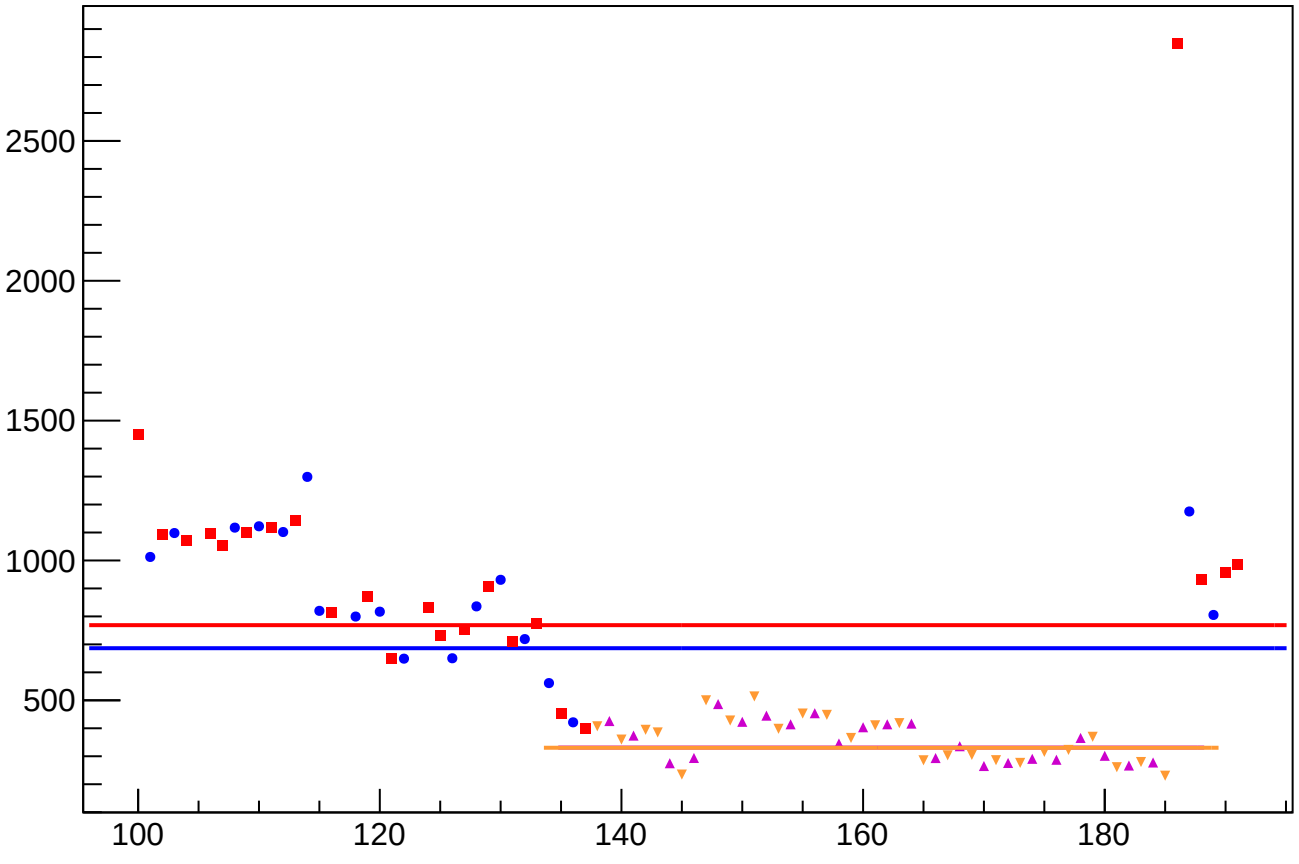
Right Out: 180.480+/-266.456 χ^2/NDF: 22.4/22

Left In: -7.875+/-79.125 χ^2/NDF:32.3/22

+ sign 134.950+/-73.910 χ^2/NDF: 52.3/42

All: 72.822+/-52.936 χ^2/NDF: 108.9/88

- sign 7.388+/-75.852 χ^2/NDF: 55.1/45



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: 768.722+/-0.188 χ^2/NDF: 2060165.4/22

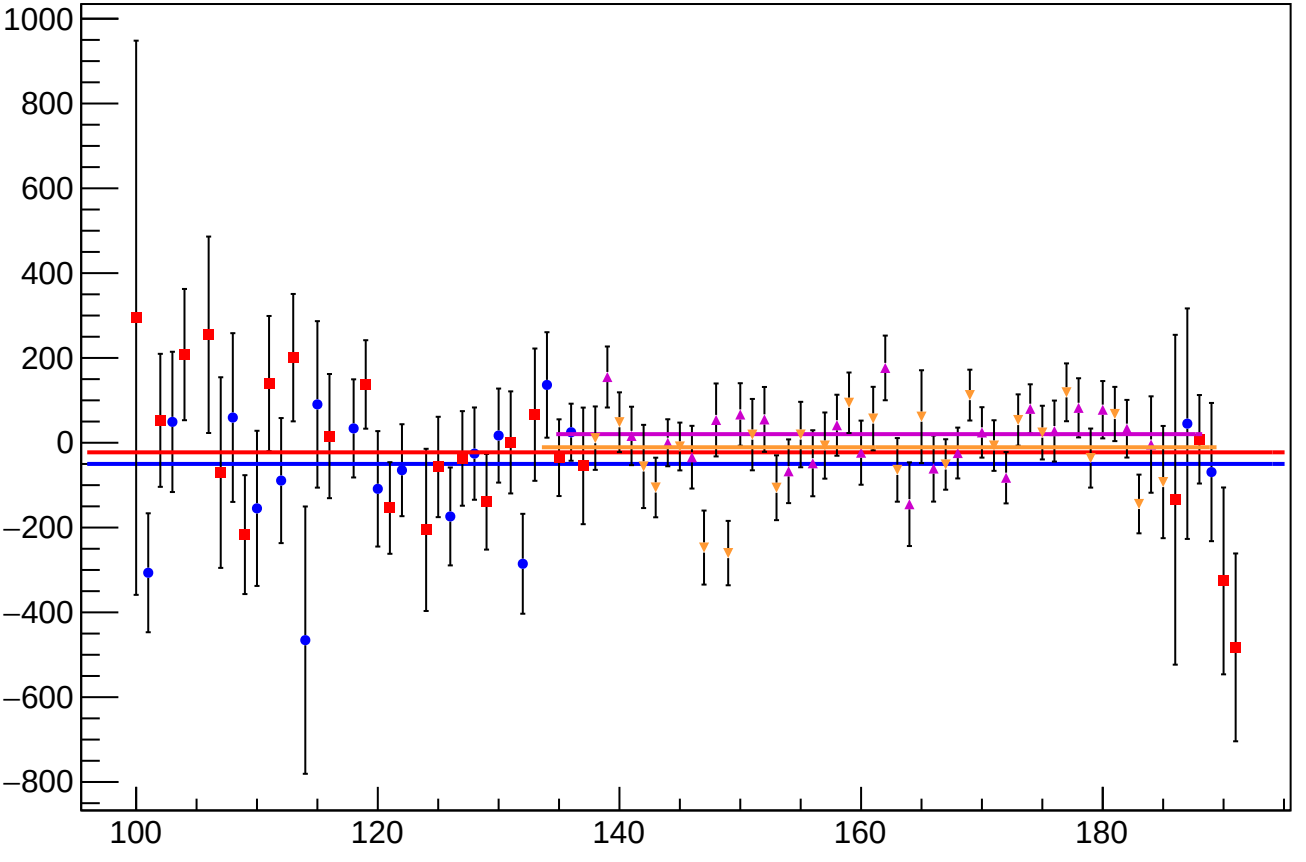
Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 359.535+/-0.052 χ^2/NDF: 6946833.7/42

All: 362.940+/-0.037 χ^2/NDF: 15299917.4/88

- sign 366.525+/-0.054 χ^2/NDF: 8344371.8/45

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: -22.586+/-29.305 χ^2/NDF: 22.1/22

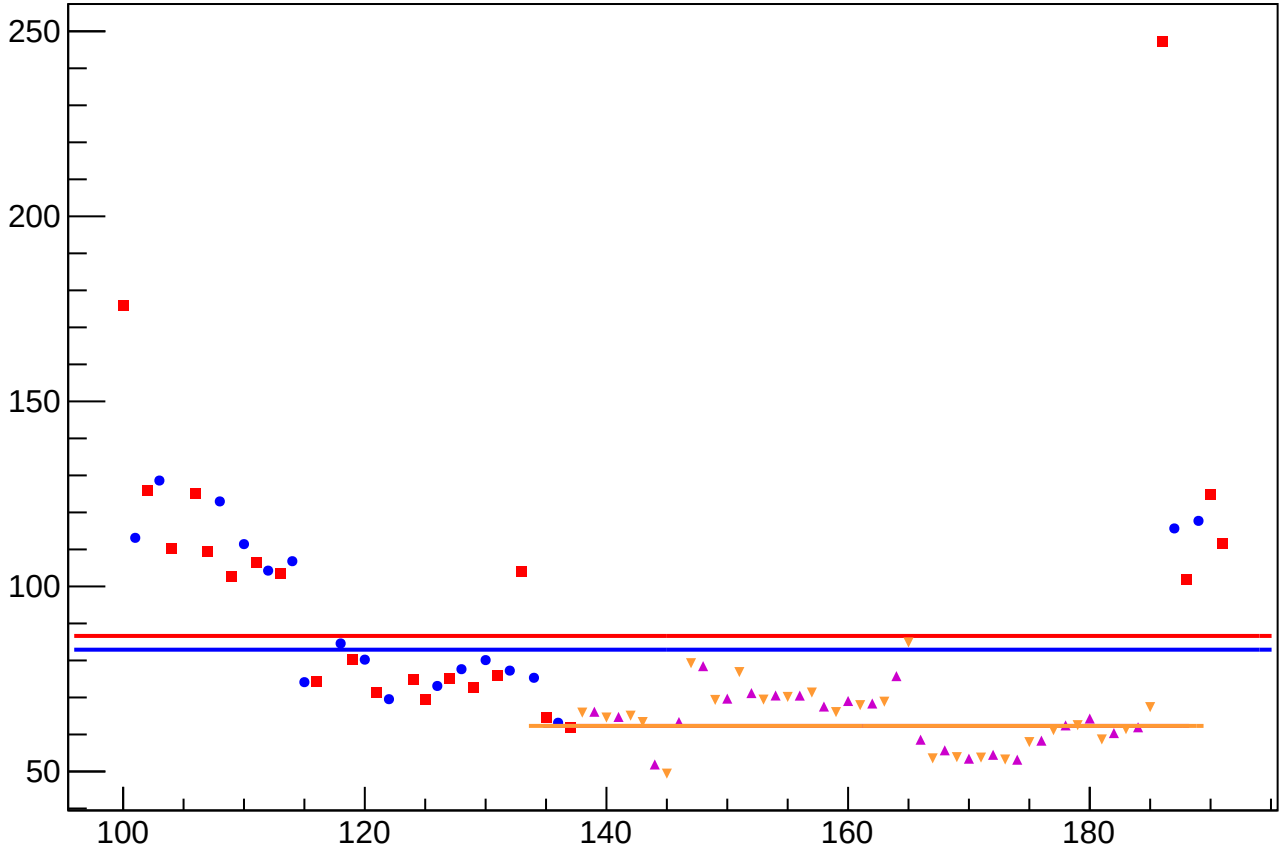
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

+ sign -17.775+/-12.942 χ^2/NDF: 60.1/42

All: -3.332+/-9.233 χ^2/NDF: 108.2/88

- sign 11.636+/-13.175 χ^2/NDF: 45.5/45

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: 86.627+/-0.021 χ^2/NDF: 1226354.3/22

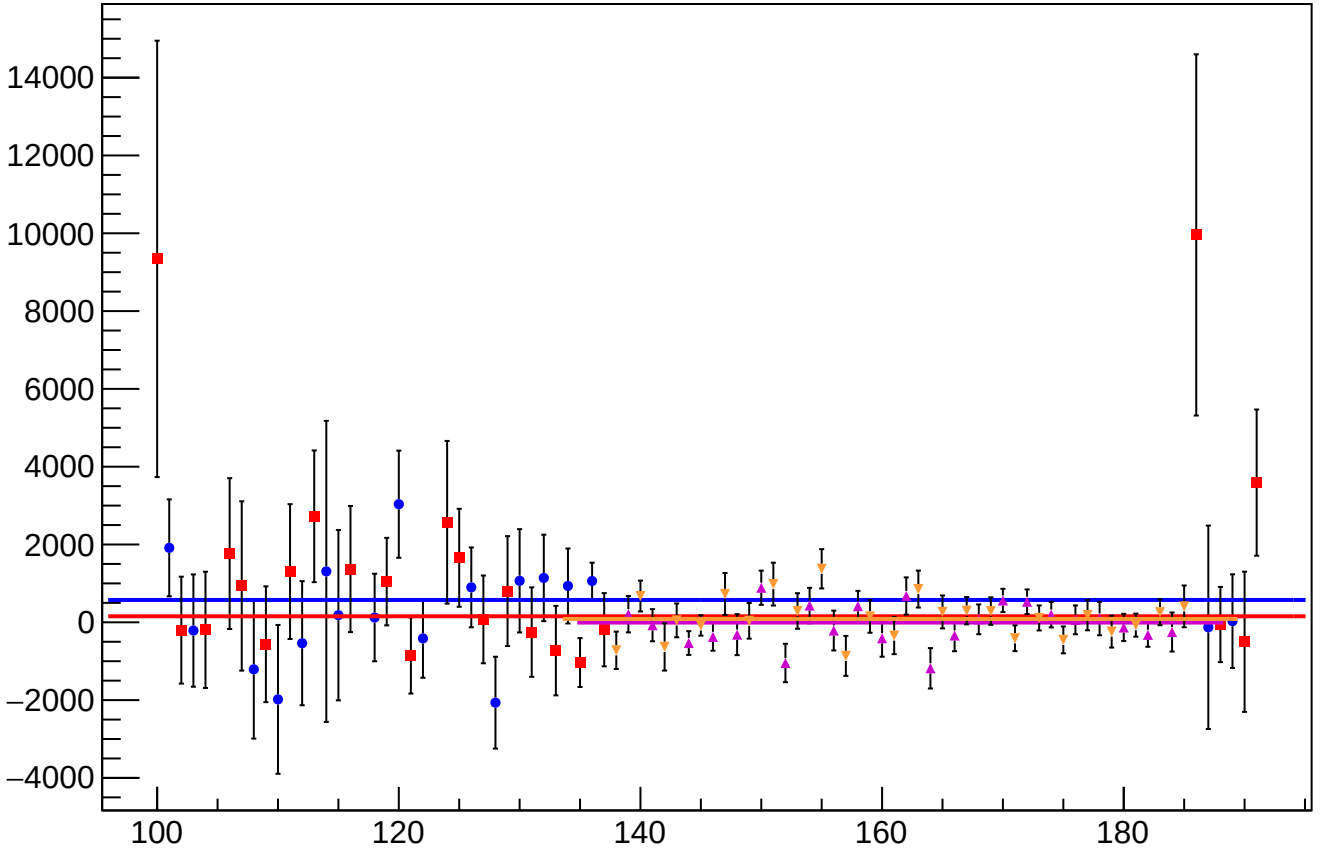
Left In: 62.310+/-0.010 χ^2/NDF:484549.5/22

+ sign 66.068+/-0.009 χ^2/NDF: 2179857.5/42

All: 66.636+/-0.007 χ^2/NDF: 4997372.8/88

- sign 67.226+/-0.009 χ^2/NDF: 2809655.4/45

asym_sam_15_26_dd_dit_correction_mean vs Slug



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: 154.547+/-268.579 χ^2/NDF: 24.2/22

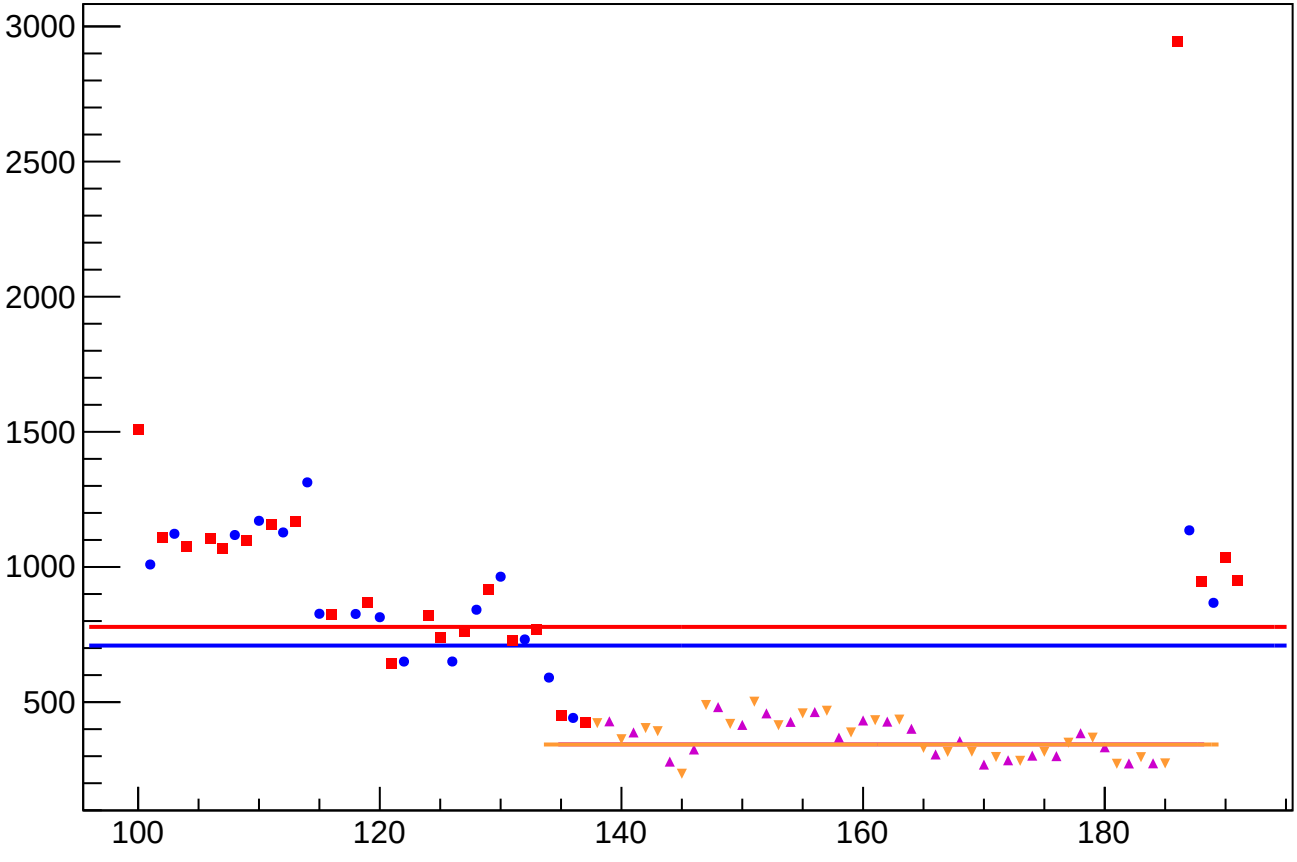
Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

+ sign 127.335+/-76.461 χ^2/NDF: 50.8/42

All: 68.899+/-54.781 χ^2/NDF: 109.0/88

- sign 7.269+/-78.523 χ^2/NDF: 57.0/45

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: 778.323+/-0.190 χ^2/NDF: 2077509.5/22

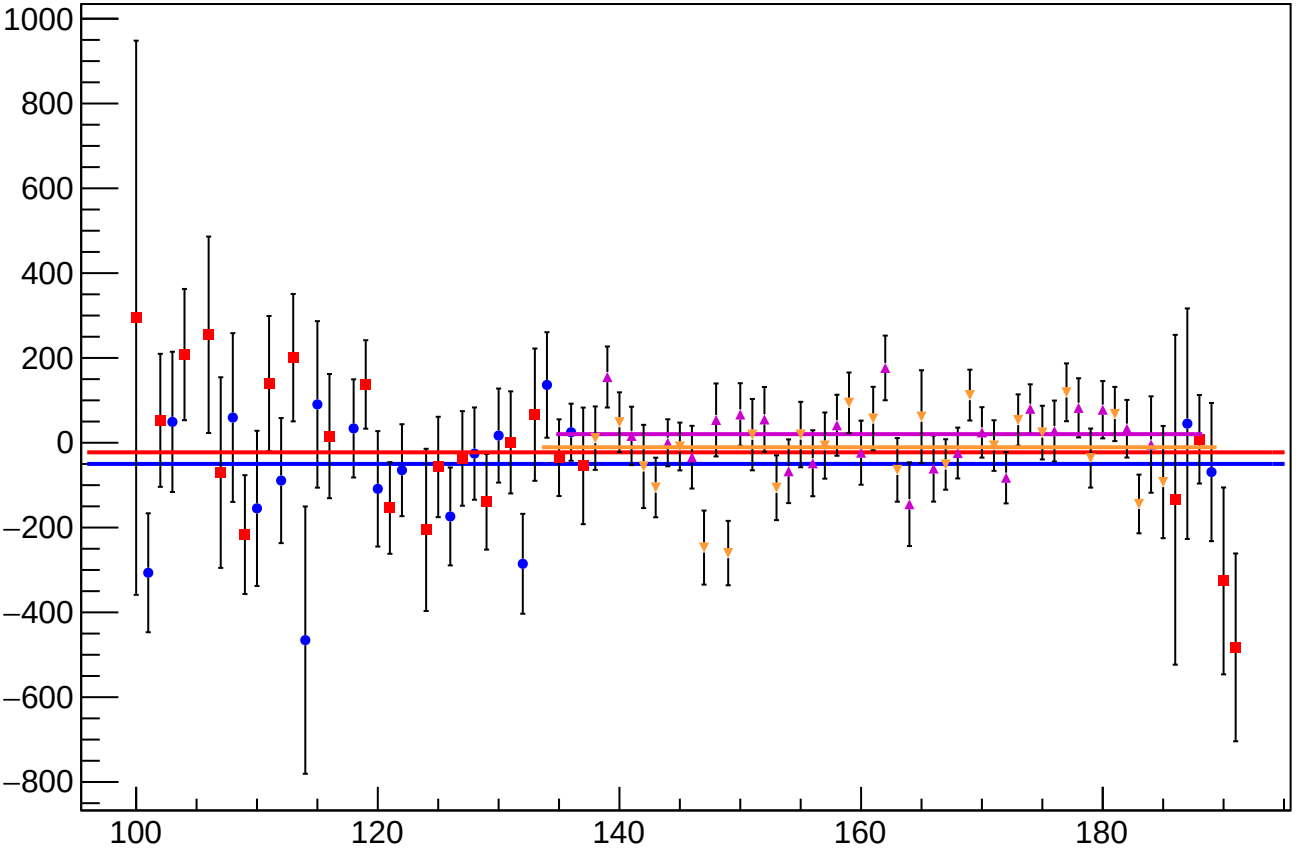
Left In: 343.717+/-0.058 χ^2/NDF:1258376.8/22

+ sign 373.523+/-0.054 χ^2/NDF: 6682869.4/42

All: 377.097+/-0.039 χ^2/NDF: 14817024.6/88

- sign 380.866+/-0.056 χ^2/NDF: 8125178.4/45

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: -22.586+/-29.305 χ^2/NDF: 22.1/22

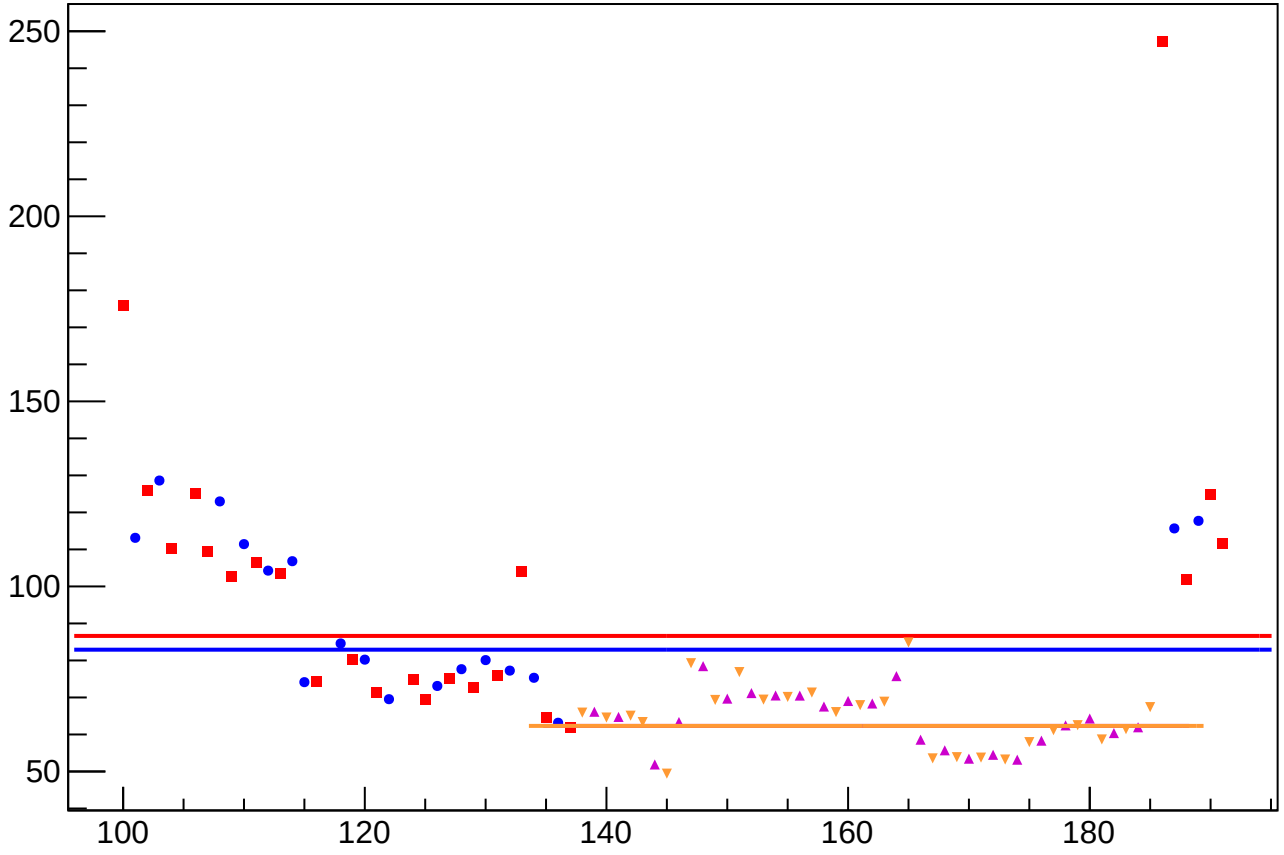
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

+ sign -17.774+/-12.942 χ^2/NDF: 60.1/42

All: -3.332+/-9.233 χ^2/NDF: 108.2/88

- sign 11.636+/-13.175 χ^2/NDF: 45.5/45

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

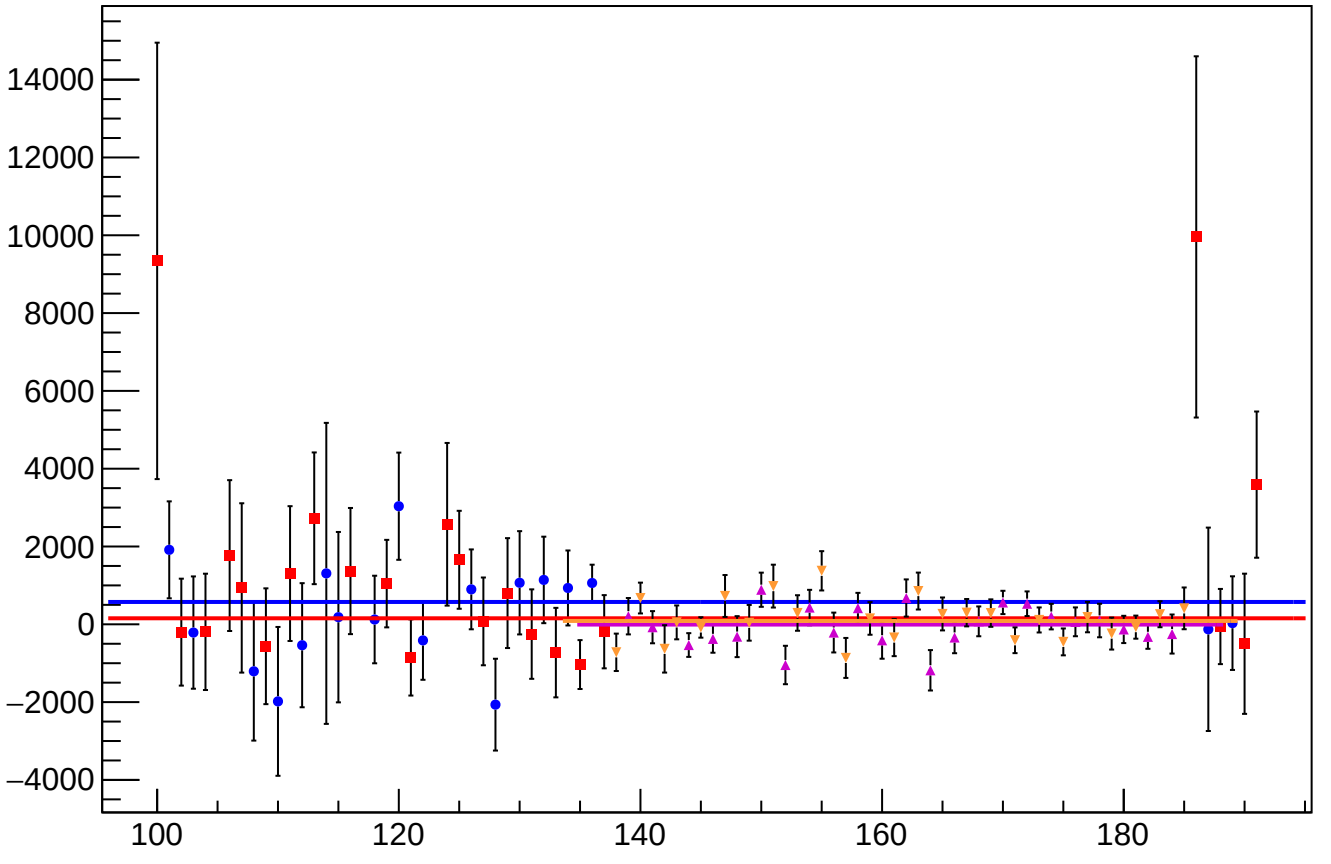
Right Out: 86.627+/-0.021 χ^2/NDF: 1226335.6/22

Left In: 62.311+/-0.010 χ^2/NDF:484544.3/22

+ sign 66.068+/-0.009 χ^2/NDF: 2179822.0/42

All: 66.636+/-0.007 χ^2/NDF: 4997279.0/88

- sign 67.226+/-0.009 χ^2/NDF: 2809595.1/45



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: 154.548+/-268.579 χ^2/NDF: 24.2/22

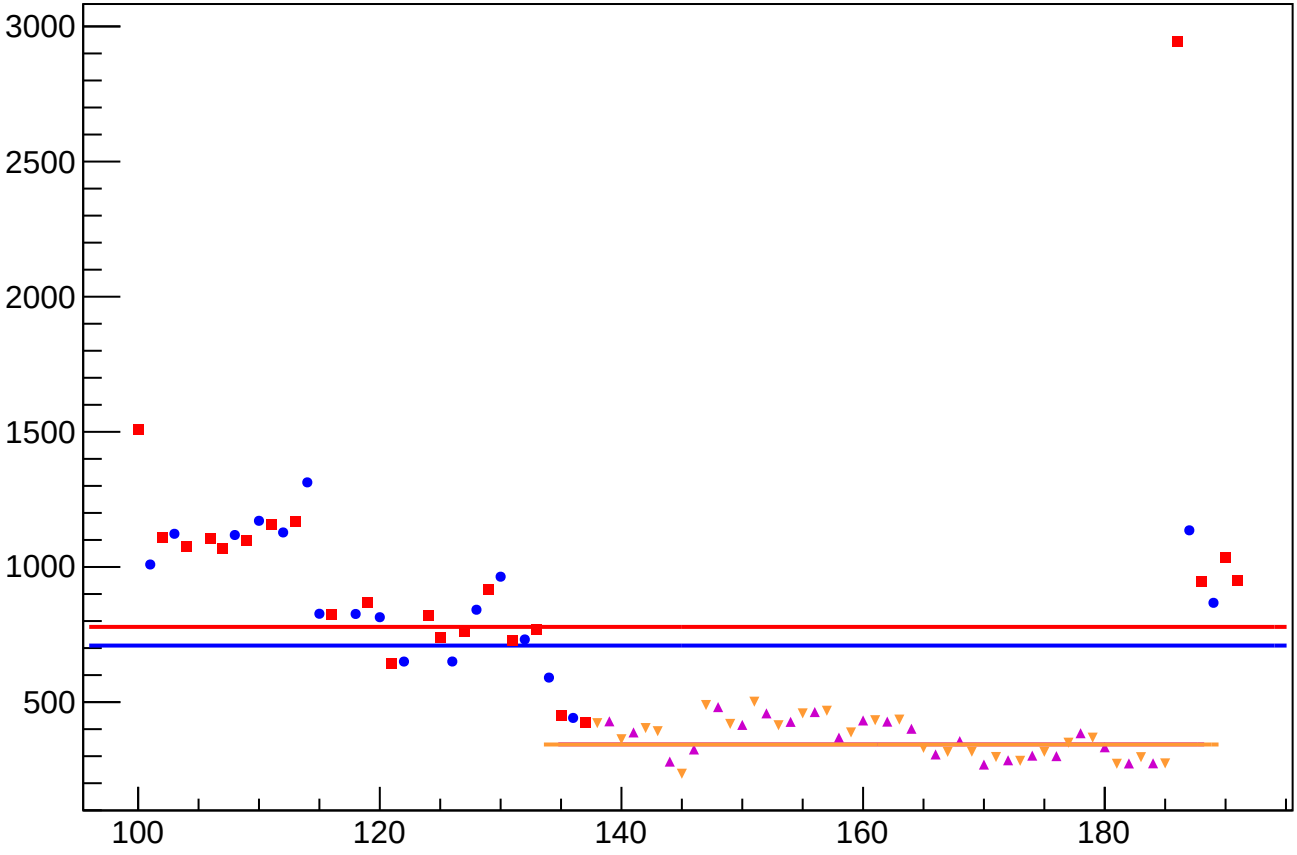
Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

+ sign 127.335+/-76.461 χ^2/NDF: 50.8/42

All: 68.899+/-54.781 χ^2/NDF: 109.0/88

- sign 7.268+/-78.523 χ^2/NDF: 57.0/45

asym_sam_15_26_dd_eigen_dit_correction_rms vs Slug



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: 778.322+/-0.190 χ^2/NDF: 2077498.7/22

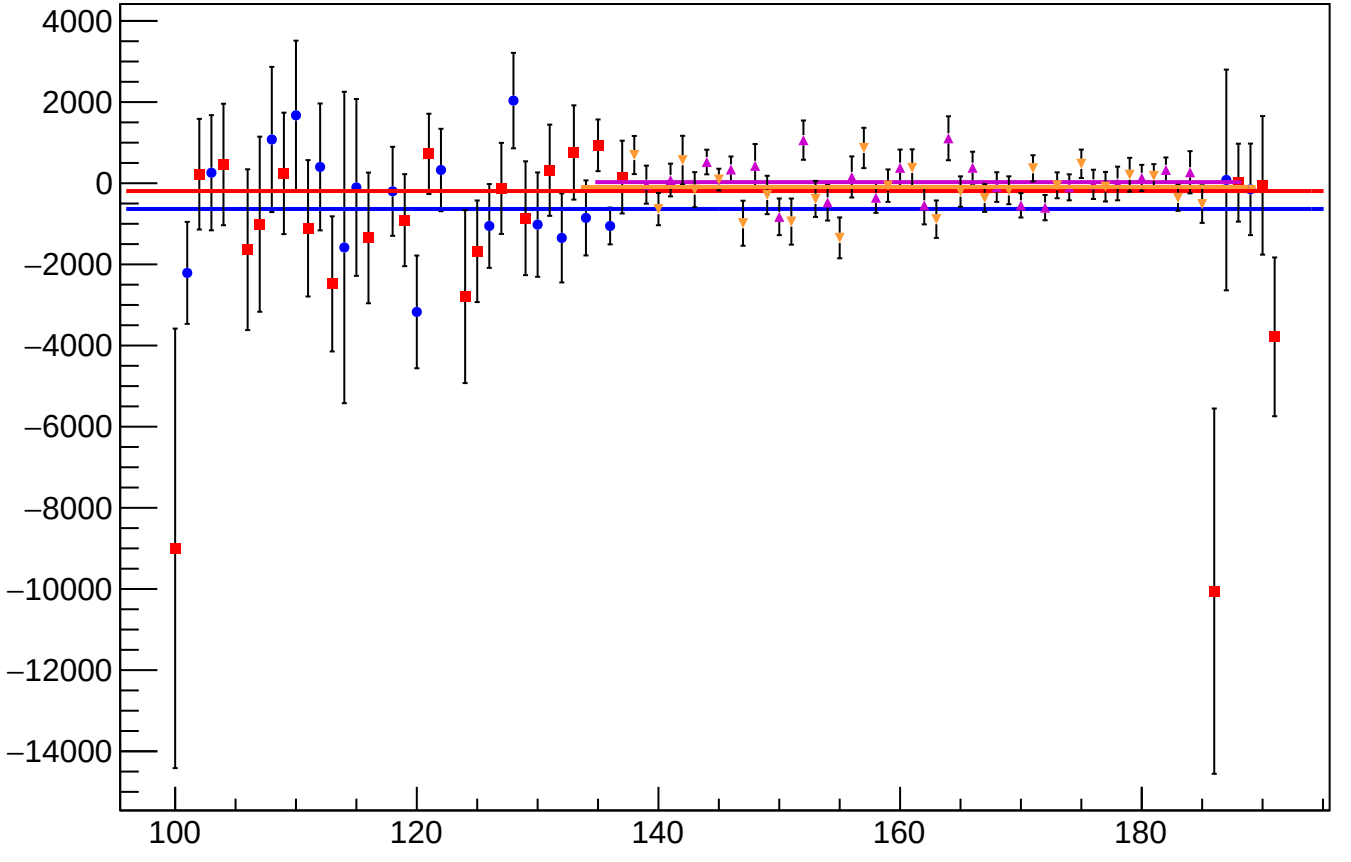
Left In: 343.717+/-0.058 χ^2/NDF:1258392.0/22

+ sign 373.523+/-0.054 χ^2/NDF: 6682869.3/42

All: 377.097+/-0.039 χ^2/NDF: 14817017.4/88

- sign 380.866+/-0.056 χ^2/NDF: 8125171.0/45

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: -192.256+/-267.503 χ^2/NDF: 23.2/22

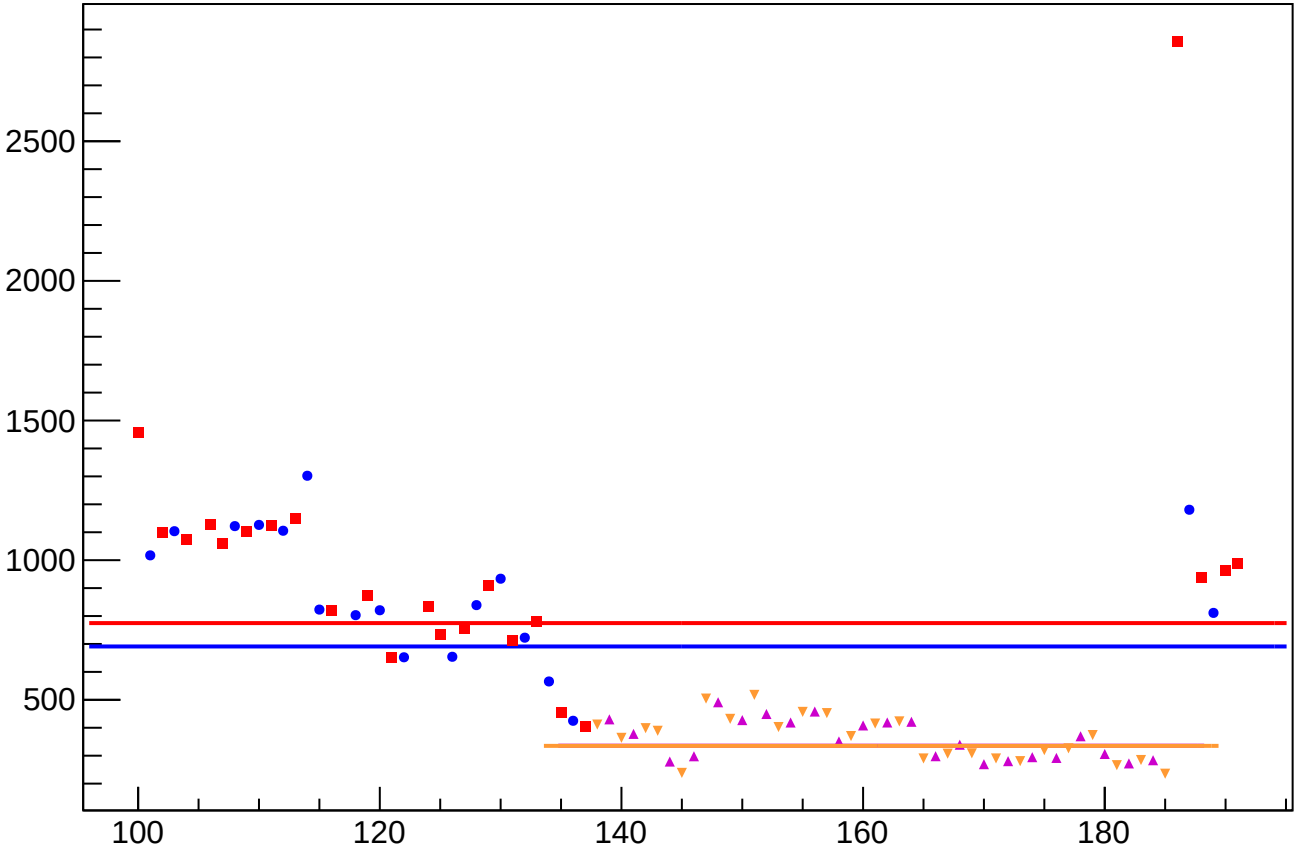
Left In: 27.173+/-80.207 χ^2/NDF:30.9/22

+ sign -137.586+/-74.871 χ^2/NDF: 54.6/42

All: -66.148+/-53.621 χ^2/NDF: 111.1/88

- sign 9.073+/-76.828 χ^2/NDF: 54.7/45

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

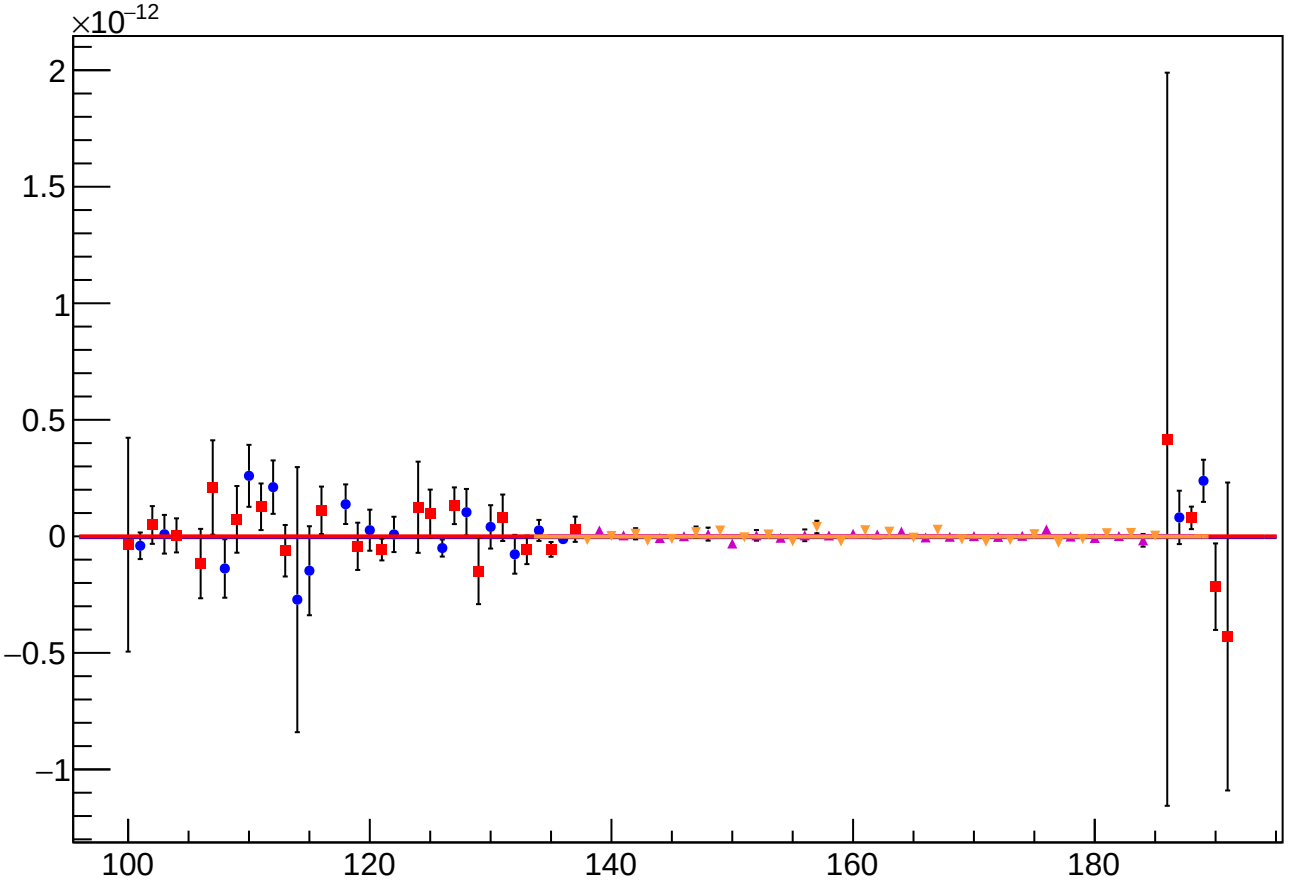
Right Out: 774.746+/-0.189 χ^2/NDF: 2064007.7/22

Left In: 335.787+/-0.057 χ^2/NDF:1291376.5/22

+ sign 364.671+/-0.053 χ^2/NDF: 6835708.9/42

All: 368.239+/-0.038 χ^2/NDF: 15141630.9/88

- sign 371.995+/-0.054 χ^2/NDF: 8296598.2/45



Right In: -0.000+/-0.000 χ^2/NDF: 25.0/17

Left Out: -0.000+/-0.000 χ^2/NDF:33.3/24

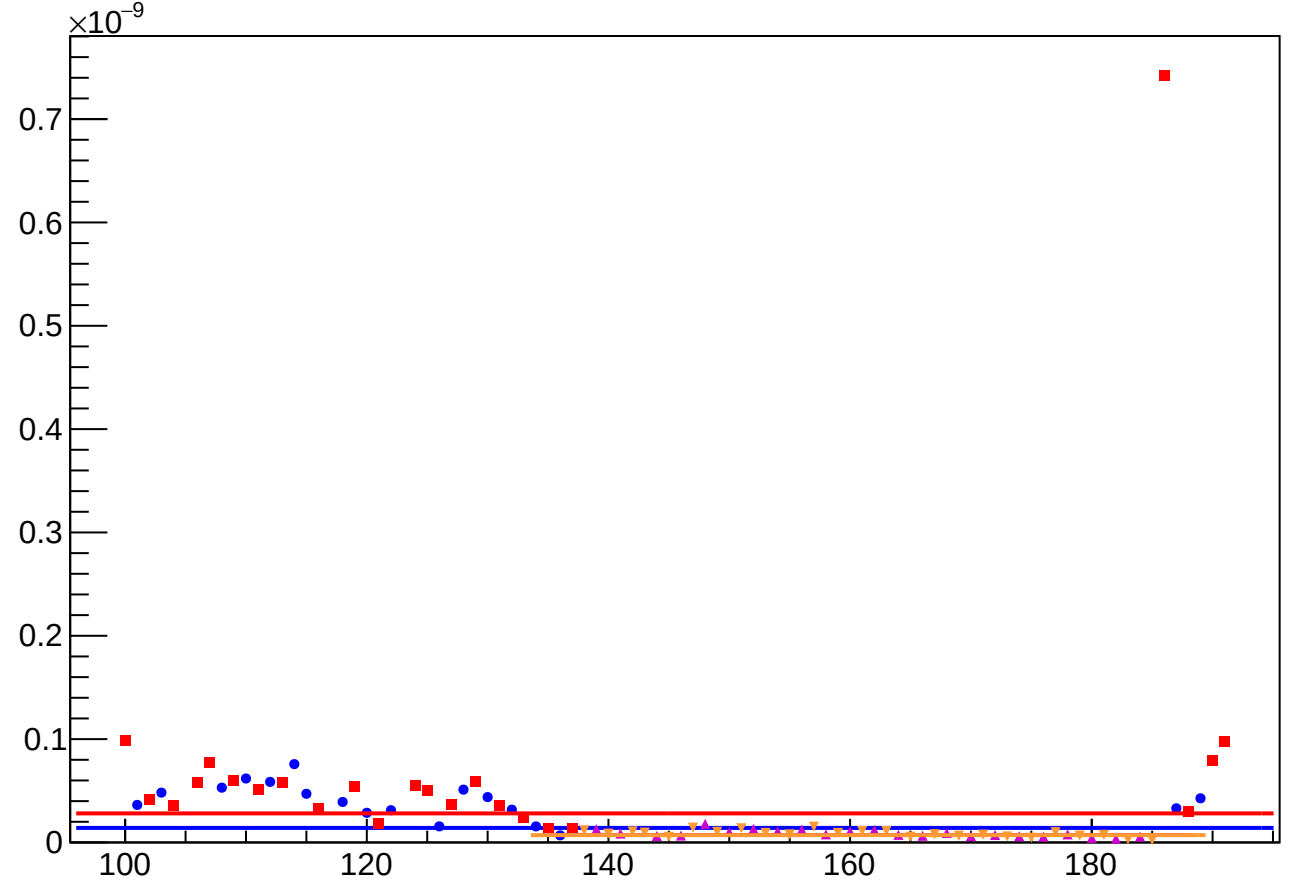
Right Out: -0.000+/-0.000 χ^2/NDF: 21.8/22

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: 95.3/88

- sign 0.000+/-0.000 χ^2/NDF: 36.5/45



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: 2333093.5/22

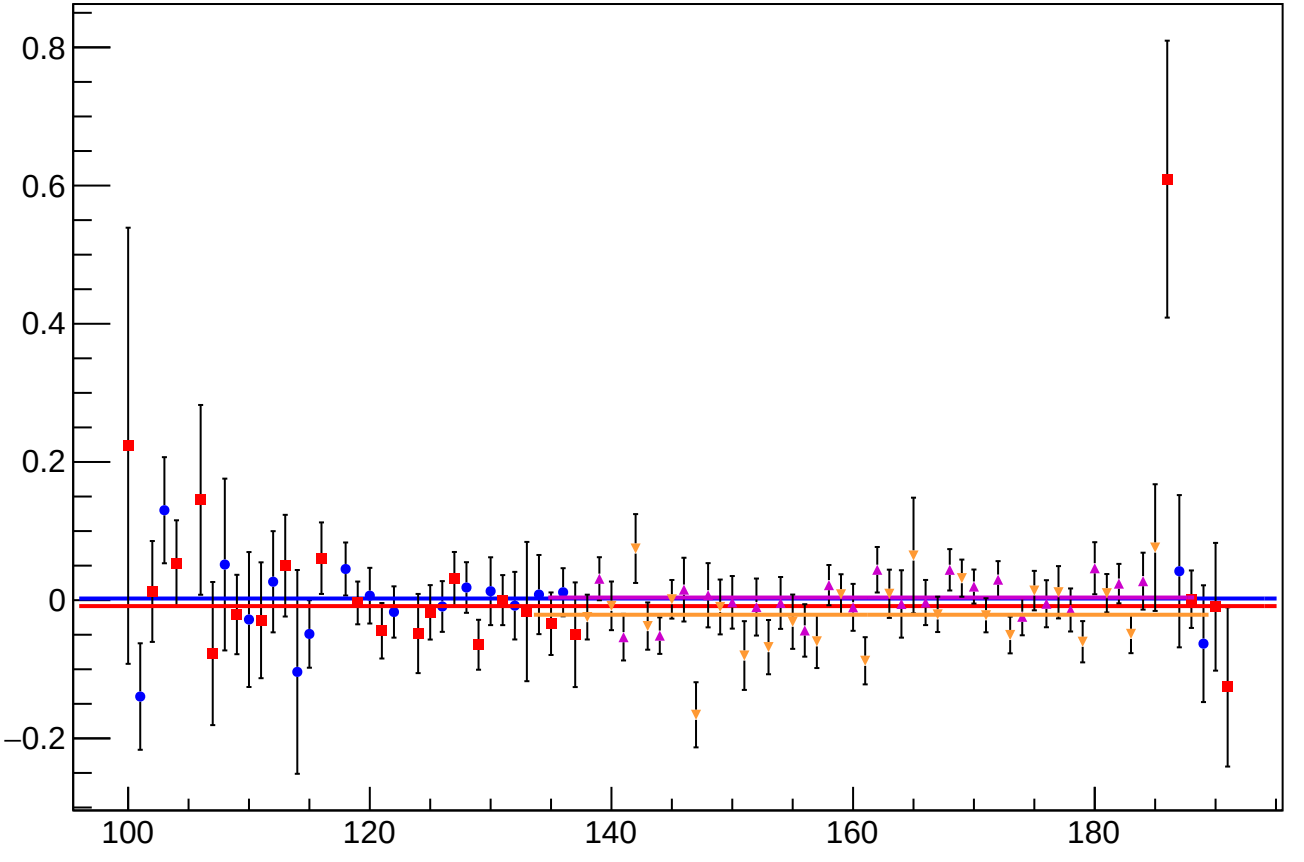
Left In: 0.000+/-0.000 χ^2/NDF:1604062.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 6157949.4/42

All: 0.000+/-0.000 χ^2/NDF: 13319470.9/88

- sign 0.000+/-0.000 χ^2/NDF: 7148793.2/45

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs Slug



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: -0.009+/-0.011 χ^2/NDF: 21.9/22

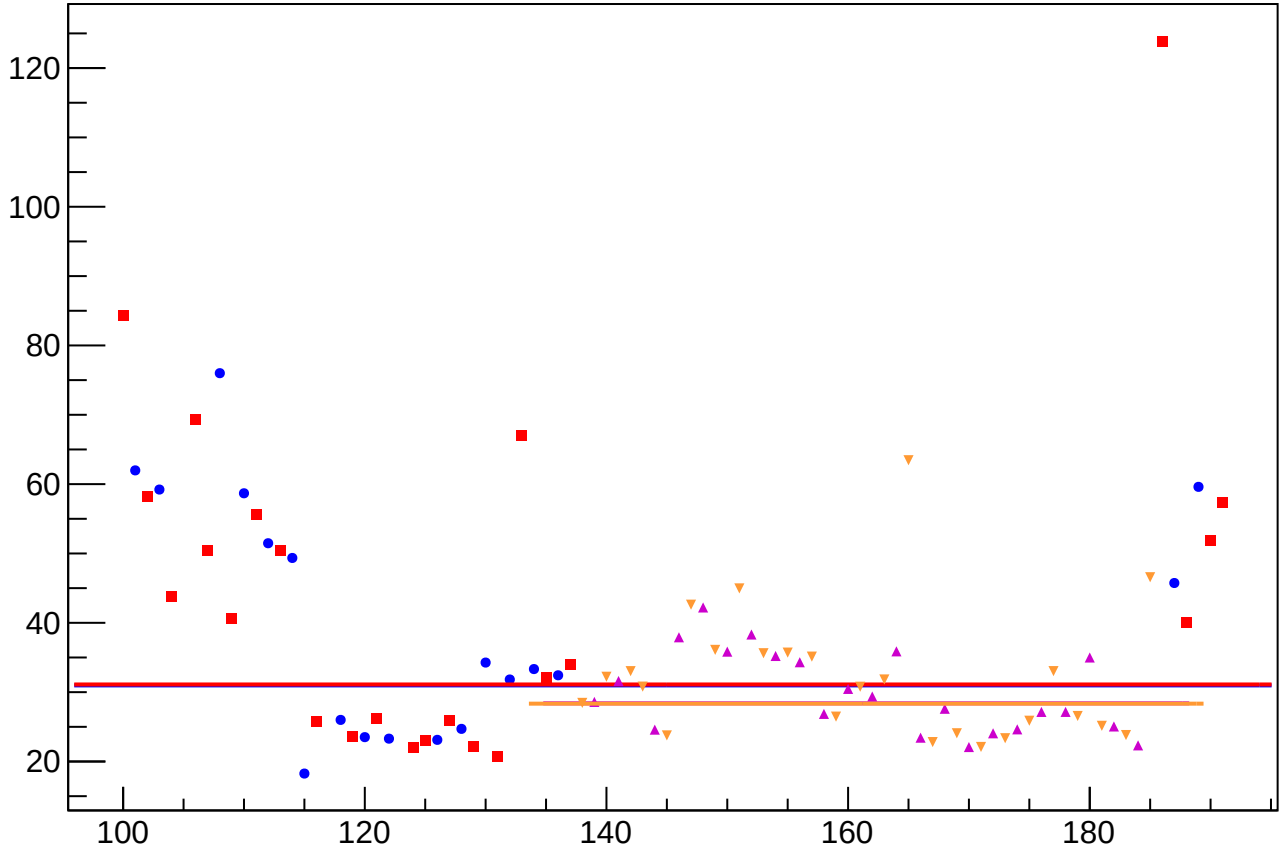
Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.016+/-0.006 χ^2/NDF: 50.9/42

All: -0.008+/-0.004 χ^2/NDF: 96.1/88

- sign 0.000+/-0.006 χ^2/NDF: 41.4/45

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

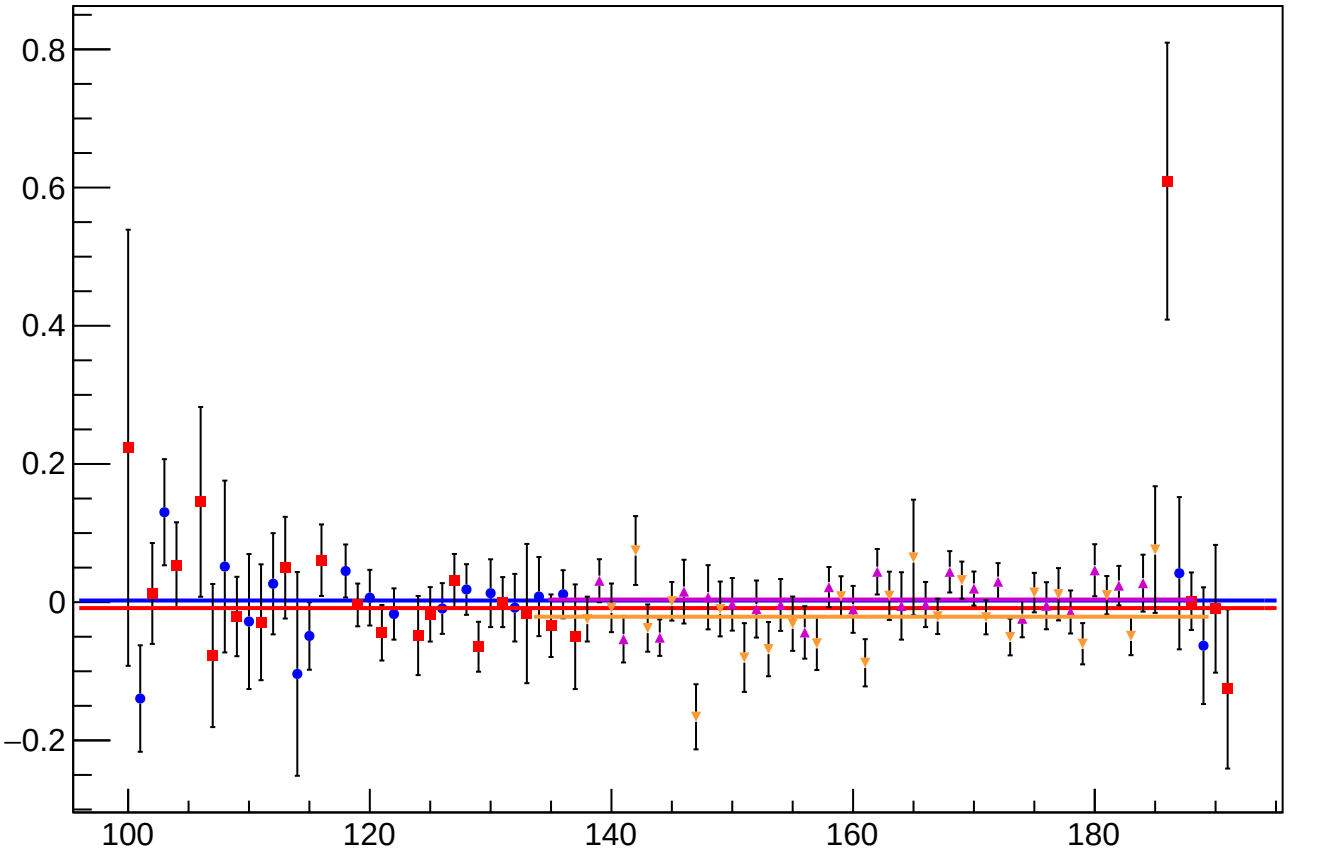
Right Out: 31.109+/-0.008 χ^2/NDF: 2612952.3/22

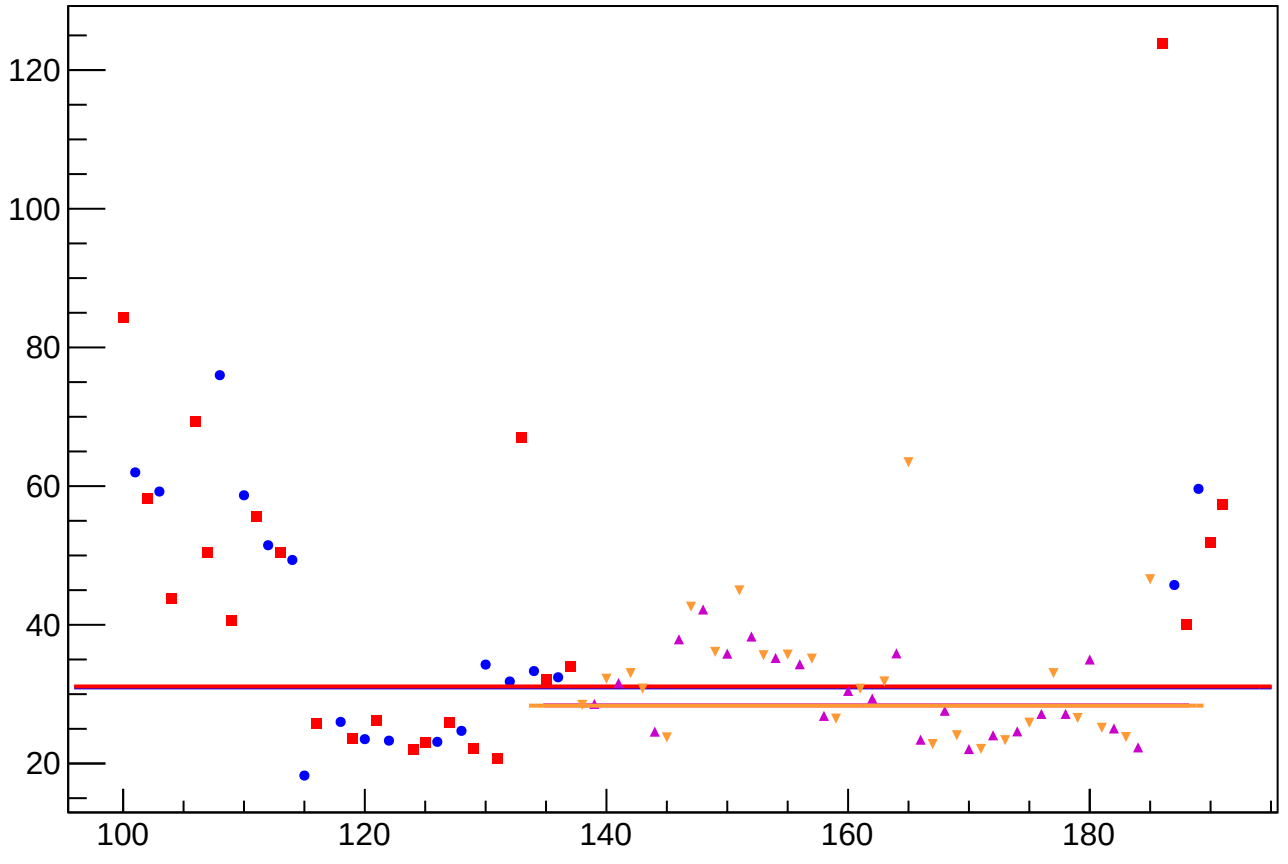
Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

\+ sign 28.957+/-0.004 χ^2/NDF: 3767609.2/42

All: 29.043+/-0.003 χ^2/NDF: 7565951.3/88

\- sign 29.130+/-0.004 χ^2/NDF: 3797462.2/45


asym_sam_15_26_dd_dit_vs_eigen_cor_diff_mean vs Slug
0.8
0.6
0.4
0.2
0
−0.2
100
120
140
160
180
Right In: 0.002+/-0.012 χ²/NDF: 10.9/17
Left Out: -0.021+/-0.007 χ²/NDF:37.2/24
Right Out: -0.009+/-0.011 χ²/NDF: 21.9/22
Left In: 0.004+/-0.007 χ²/NDF:18.7/22
+ sign -0.016+/-0.006 χ²/NDF: 50.9/42
All: -0.008+/-0.004 χ²/NDF: 96.1/88
- sign 0.000+/-0.006 χ²/NDF: 41.4/45



Right In: 30.975+/-0.009 χ^2/NDF: 1961184.0/17

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

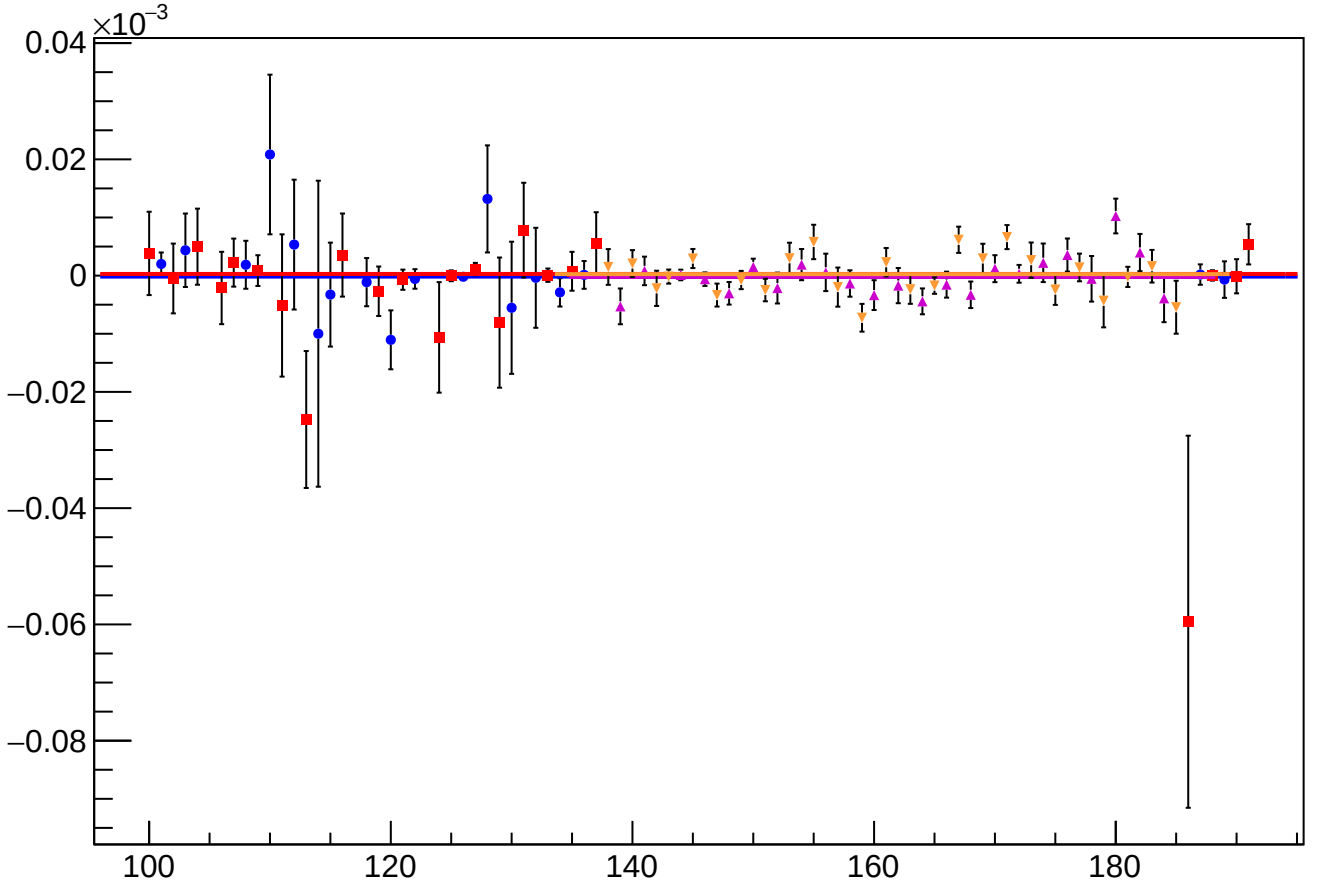
Right Out: 31.109+/-0.008 χ^2/NDF: 2612952.3/22

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

+ sign 28.957+/-0.004 χ^2/NDF: 3767609.2/42

All: 29.043+/-0.003 χ^2/NDF: 7565951.3/88

- sign 29.130+/-0.004 χ^2/NDF: 3797462.2/45



Right In: -0.000+/-0.000 χ^2/NDF: 13.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:50.8/24

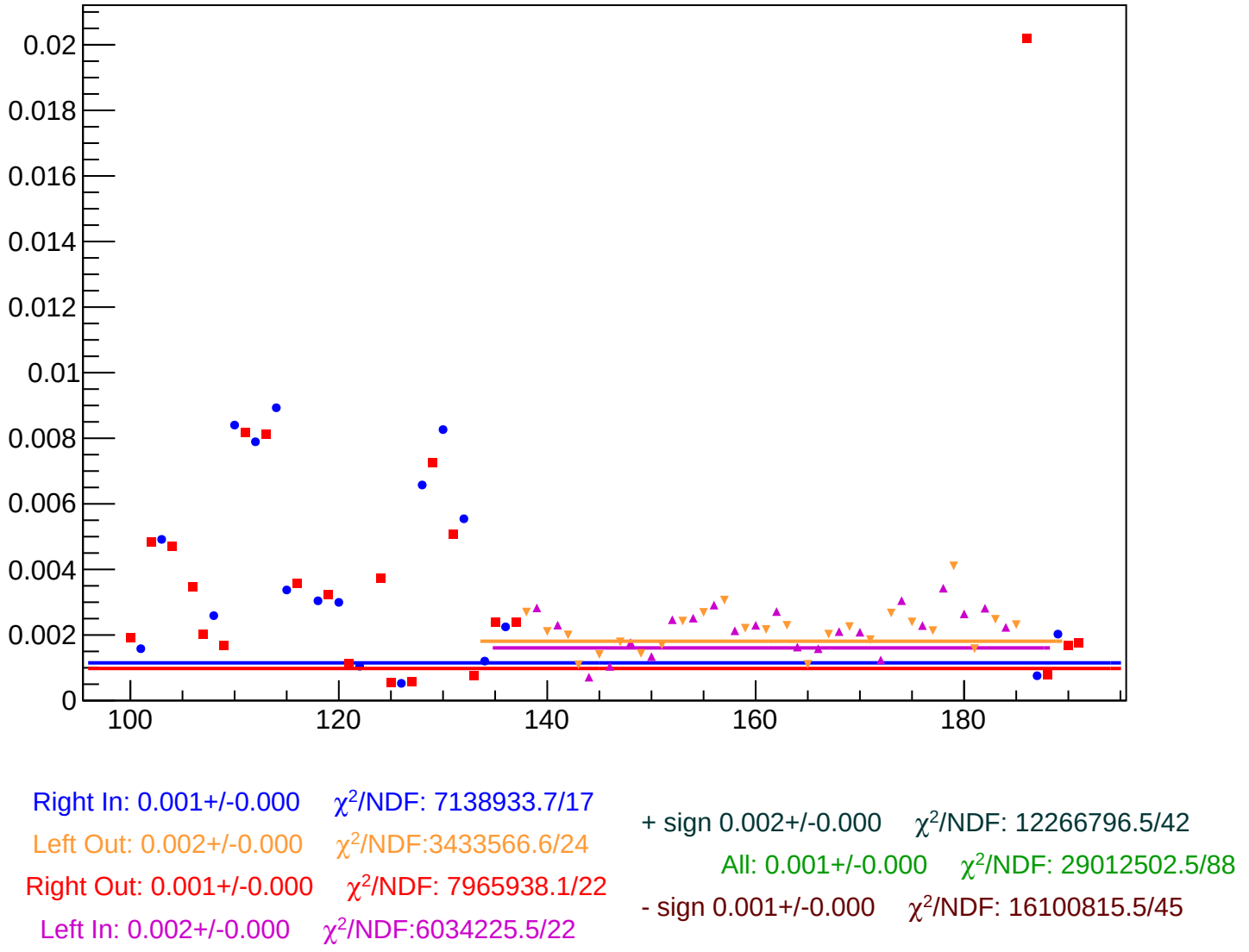
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/22

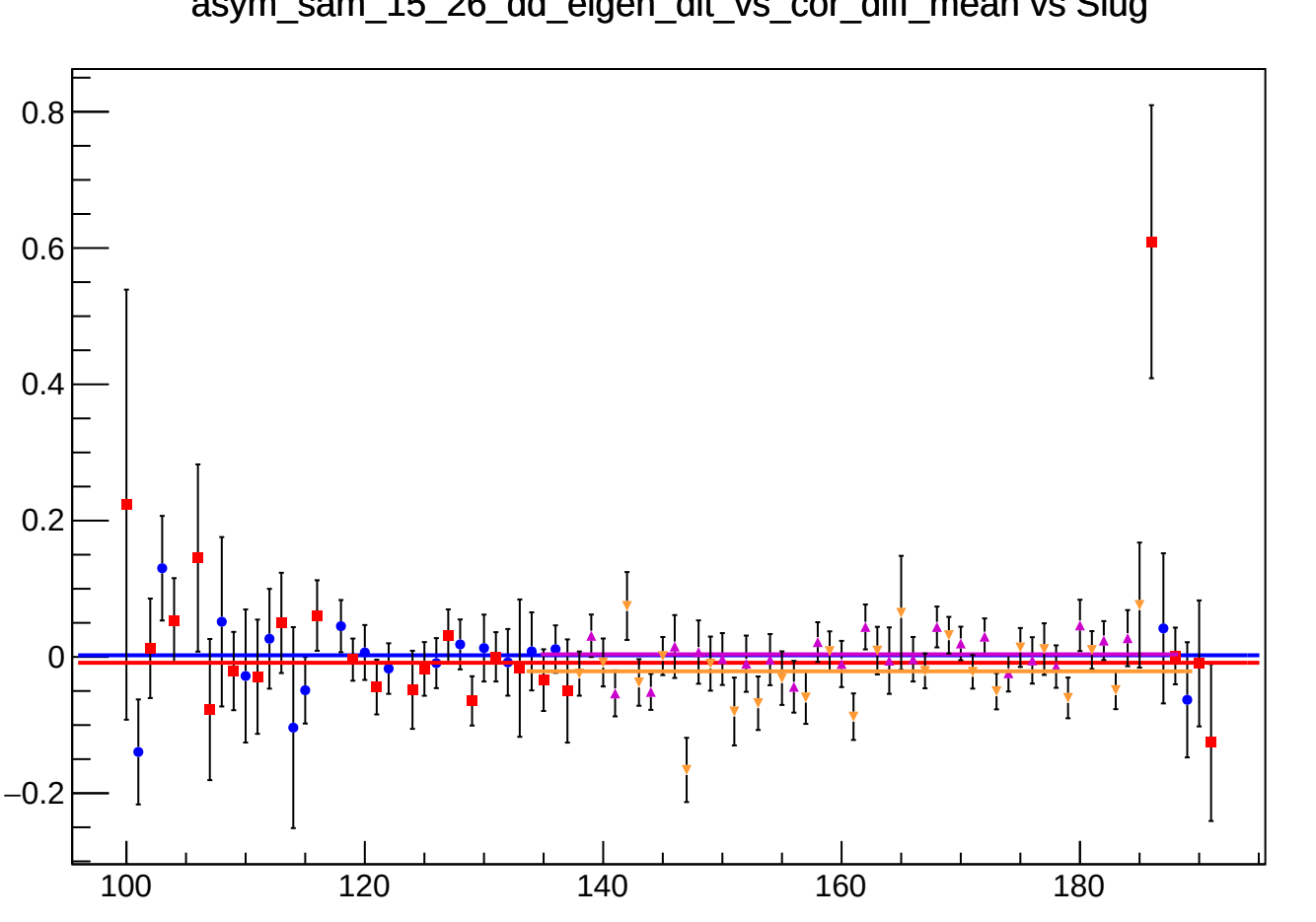
Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.3/42

All: 0.000+/-0.000 χ^2/NDF: 115.5/88

- sign 0.000+/-0.000 χ^2/NDF: 51.2/45


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
120
140
160
180
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: 7965938.1/22
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: 29012502.5/88
- sign 0.001+/-0.000 χ²/NDF: 16100815.5/45


asym_sam_15_26_dd_eigen_dit_vs_cor_diff_mean vs Slug
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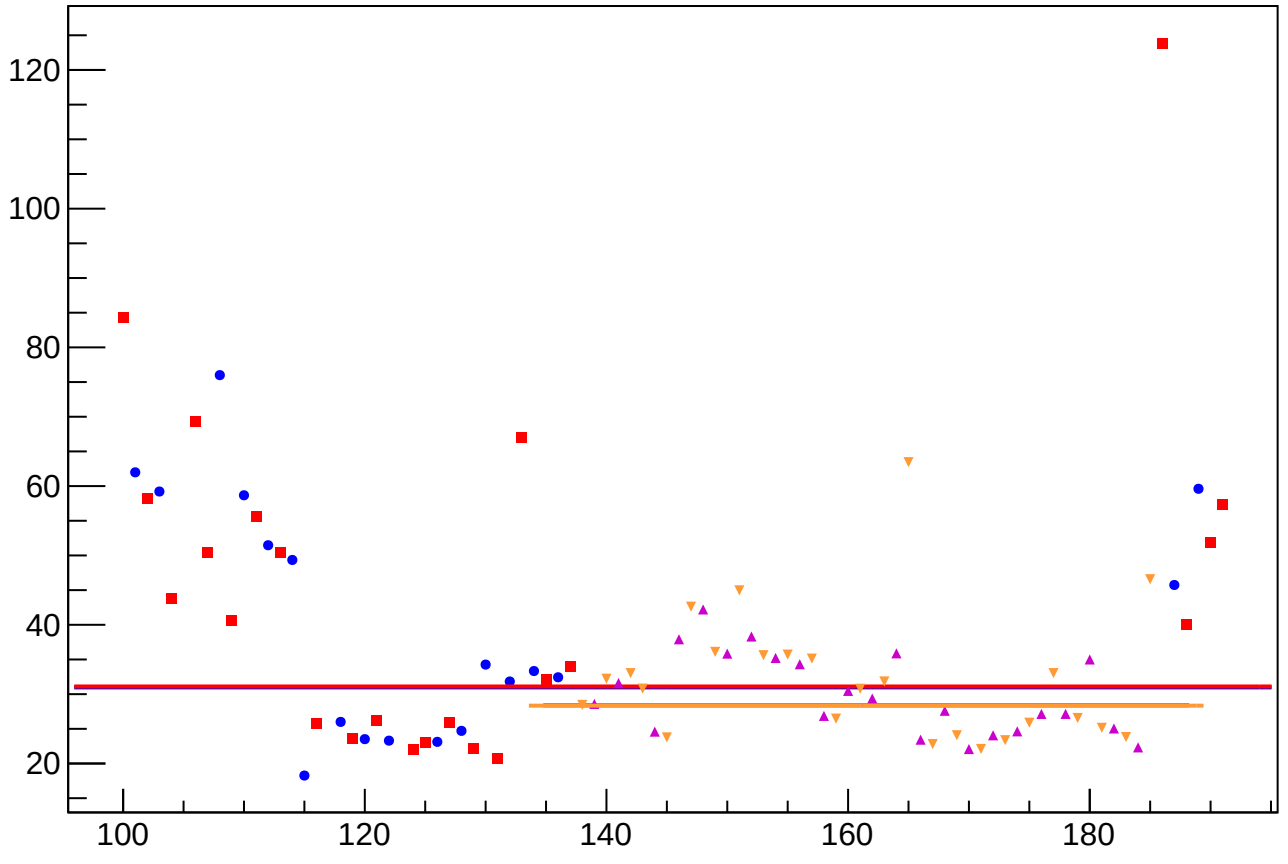
0.6
0.4
0.2
0
−0.2
100
120
140
160
180
Right In: 0.002+/-0.012 χ²/NDF: 10.9/17
Left Out: -0.021+/-0.007 χ²/NDF:37.2/24
Right Out: -0.009+/-0.011 χ²/NDF: 21.9/22
Left In: 0.004+/-0.007 χ²/NDF:18.7/22
+ sign -0.016+/-0.006 χ²/NDF: 50.9/42
All: -0.008+/-0.004 χ²/NDF: 96.1/88
- sign 0.000+/-0.006 χ²/NDF: 41.4/45



Right In: 30.975+/-0.009 χ^2/NDF: 1961022.7/17

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

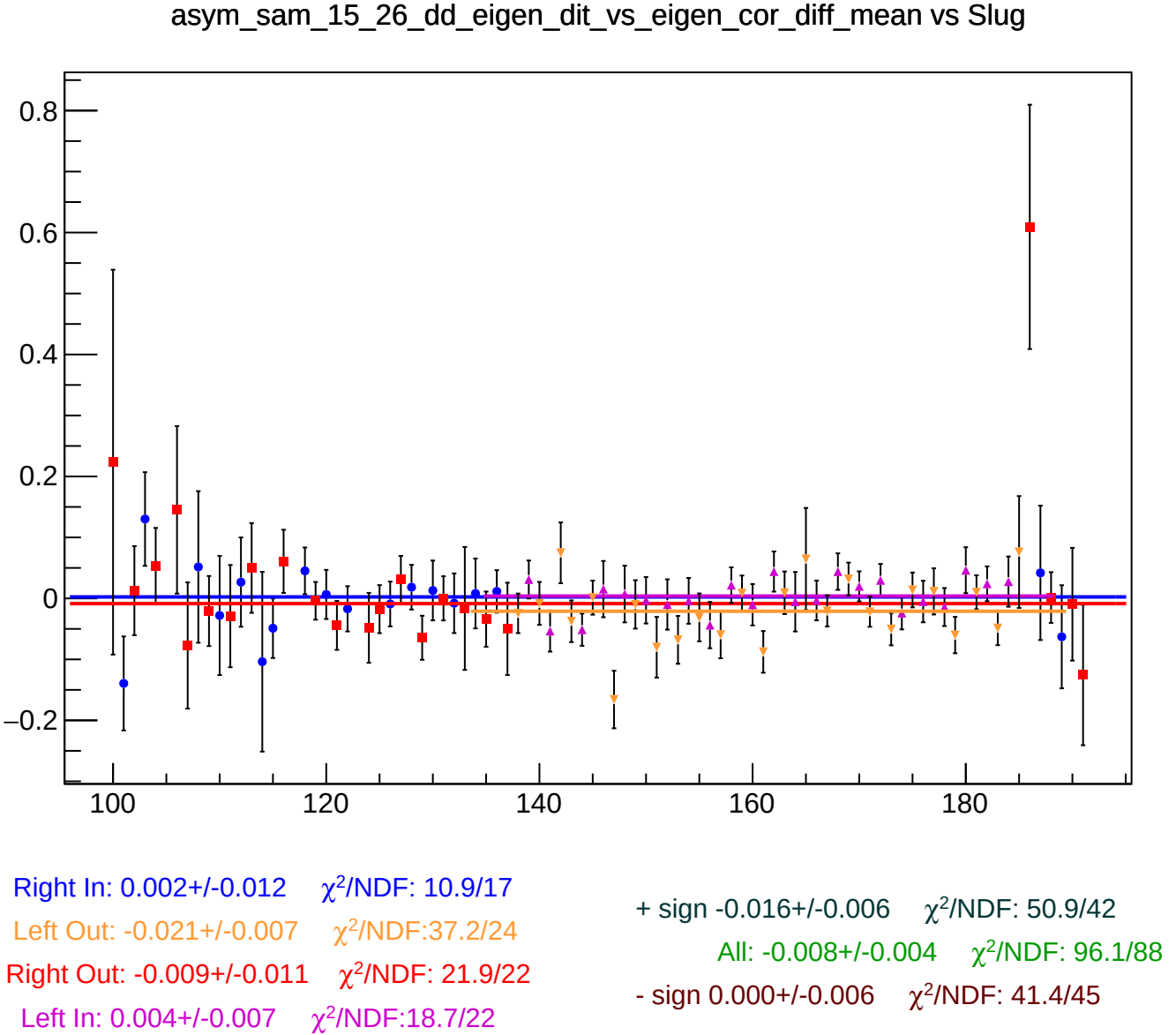
Right Out: 31.109+/-0.008 χ^2/NDF: 2612937.0/22

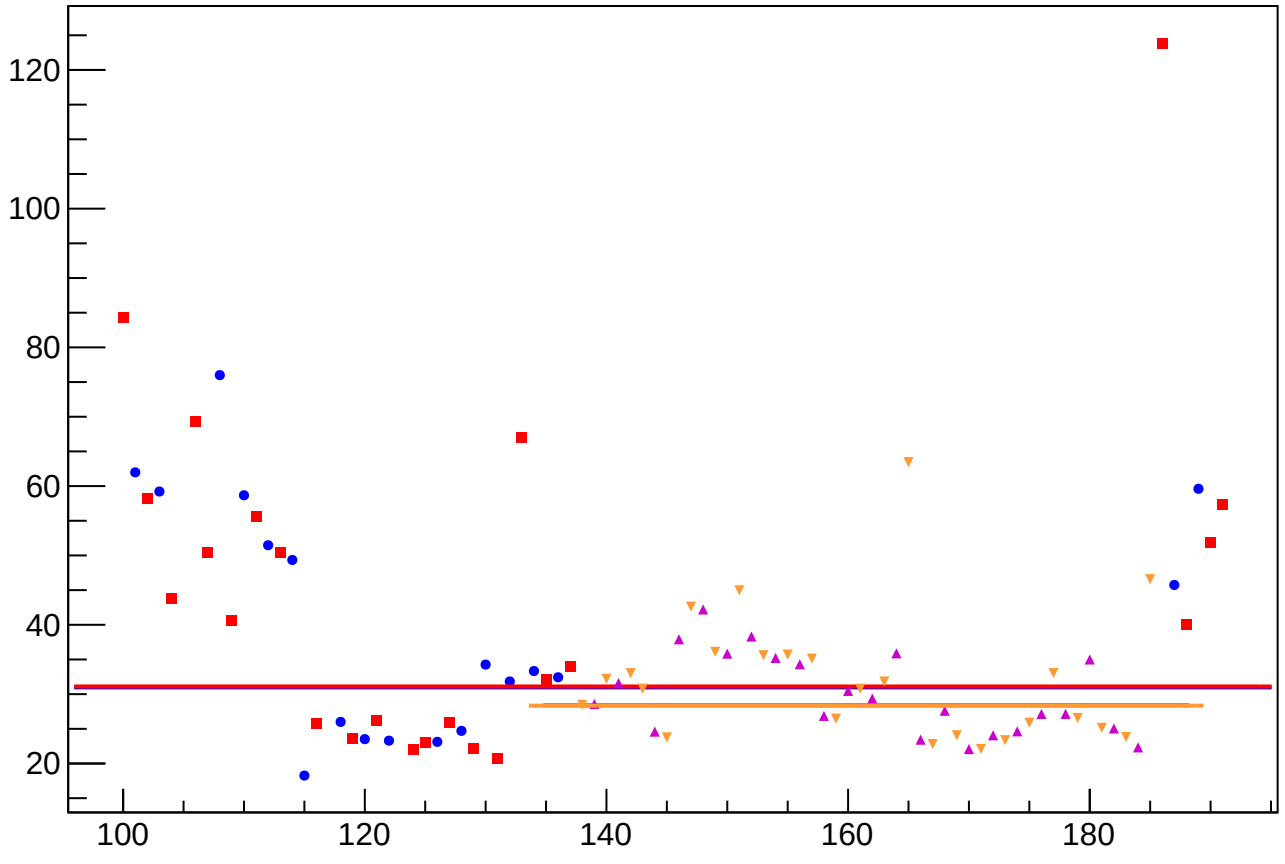
Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

+ sign 28.957+/-0.004 χ^2/NDF: 3767440.5/42

All: 29.044+/-0.003 χ^2/NDF: 7565722.2/88

- sign 29.130+/-0.004 χ^2/NDF: 3797401.9/45


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
120
140
160
180
Right In: 0.002+/-0.012 χ²/NDF: 10.9/17
Left Out: -0.021+/-0.007 χ²/NDF:37.2/24
Right Out: -0.009+/-0.011 χ²/NDF: 21.9/22
Left In: 0.004+/-0.007 χ²/NDF:18.7/22
+ sign -0.016+/-0.006 χ²/NDF: 50.9/42
All: -0.008+/-0.004 χ²/NDF: 96.1/88
- sign 0.000+/-0.006 χ²/NDF: 41.4/45



Right In: 30.975+/-0.009 χ^2/NDF: 1961022.7/17

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

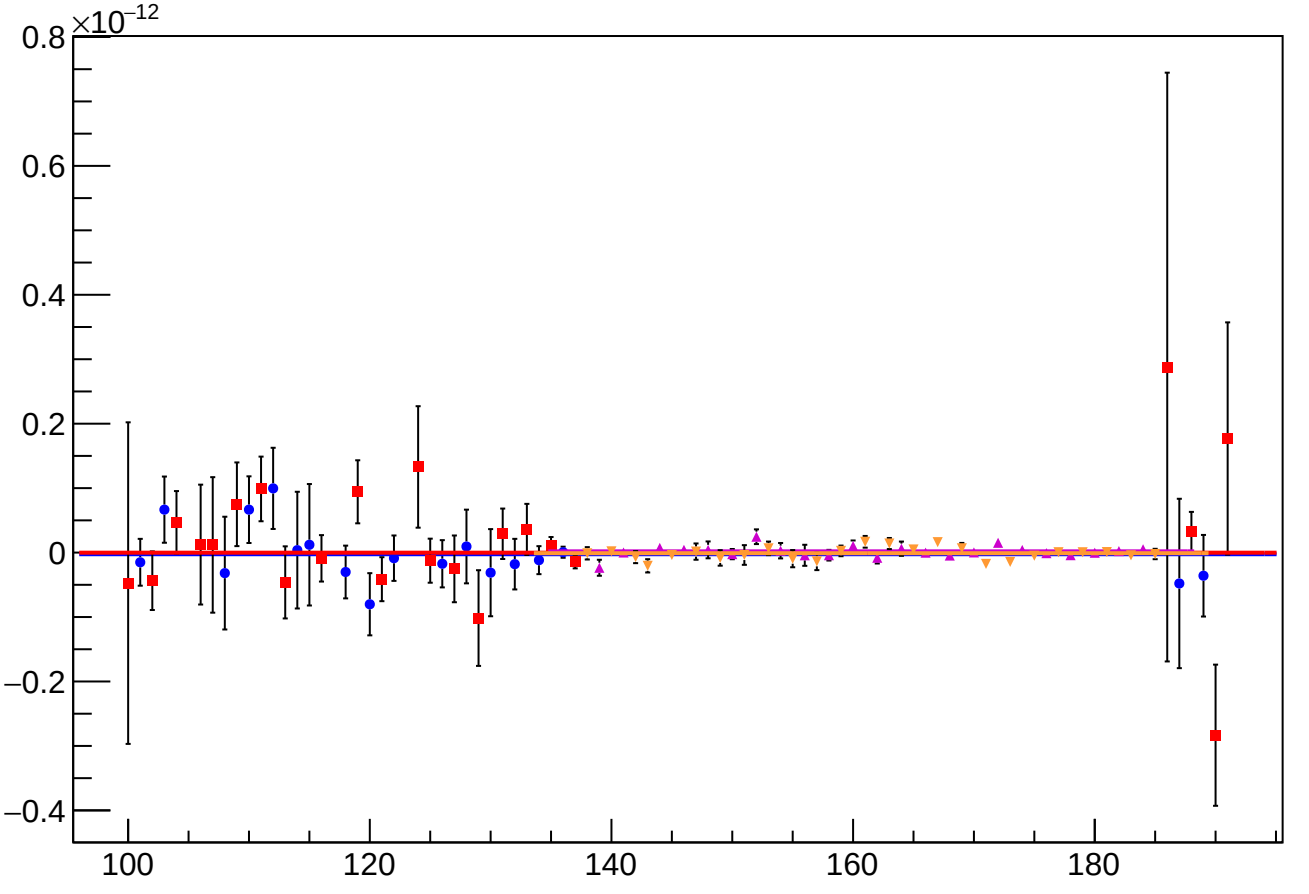
Right Out: 31.109+/-0.008 χ^2/NDF: 2612937.0/22

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

\+ sign 28.957+/-0.004 χ^2/NDF: 3767440.5/42

All: 29.044+/-0.003 χ^2/NDF: 7565722.2/88

\- sign 29.130+/-0.004 χ^2/NDF: 3797401.9/45



Right In: -0.000+/-0.000 χ^2/NDF: 10.8/17

Left Out: -0.000+/-0.000 χ^2/NDF:34.1/24

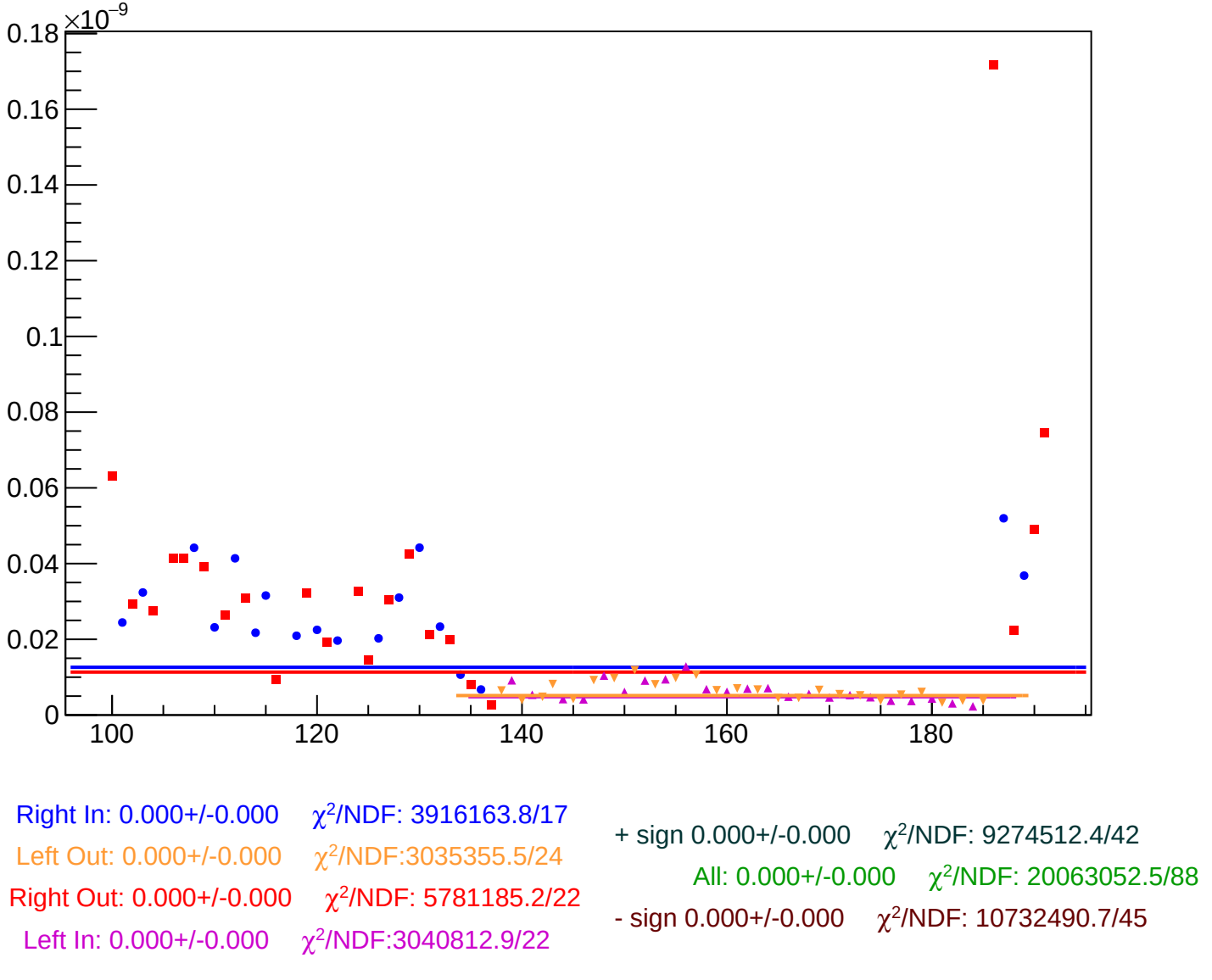
Right Out: -0.000+/-0.000 χ^2/NDF: 30.5/22

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

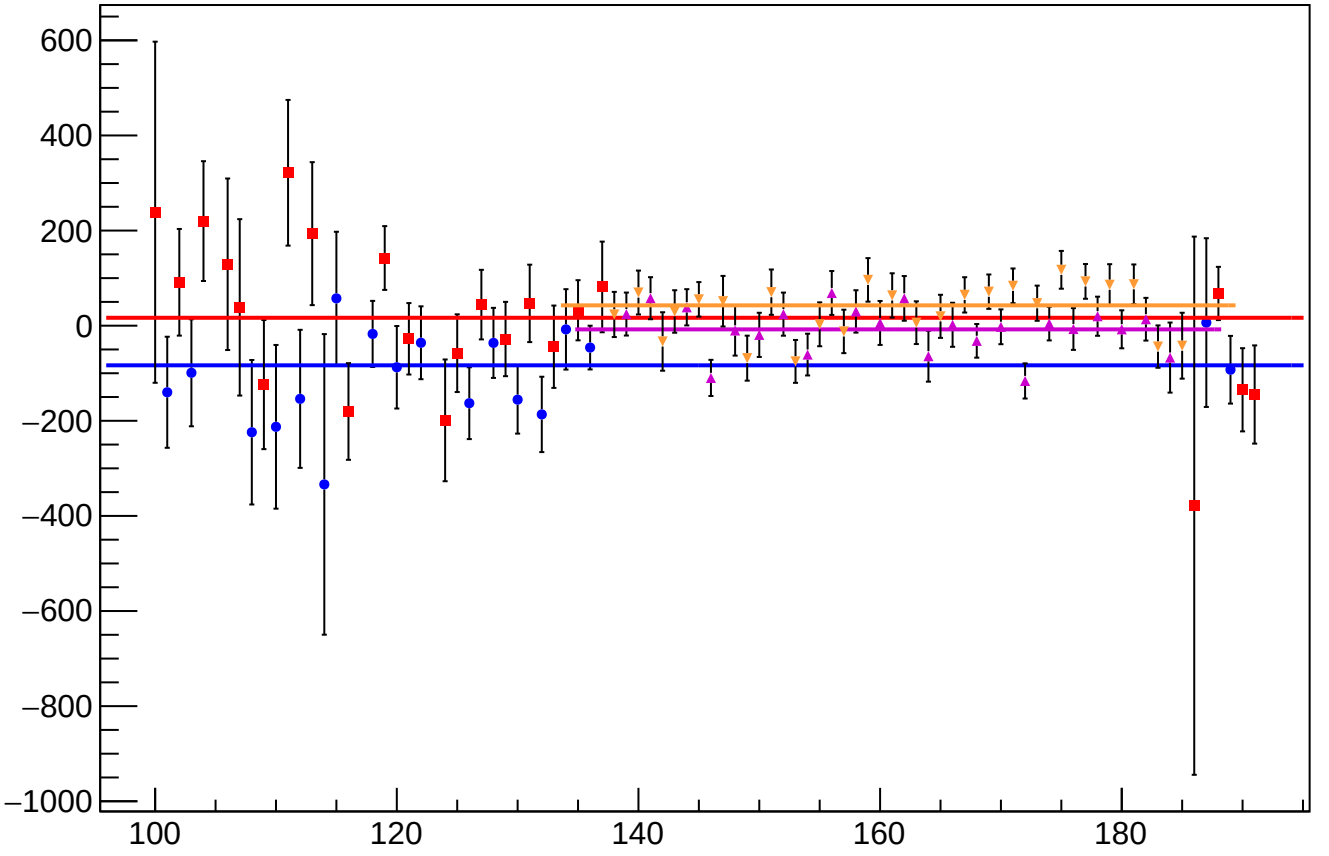
+ sign -0.000+/-0.000 χ^2/NDF: 45.0/42

All: 0.000+/-0.000 χ^2/NDF: 97.1/88

- sign 0.000+/-0.000 χ^2/NDF: 50.2/45


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
120
140
160
180
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: 5781185.2/22
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: 20063052.5/88
- sign 0.000+/-0.000 χ²/NDF: 10732490.7/45

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: 16.636+/-19.610 χ^2/NDF: 29.9/22

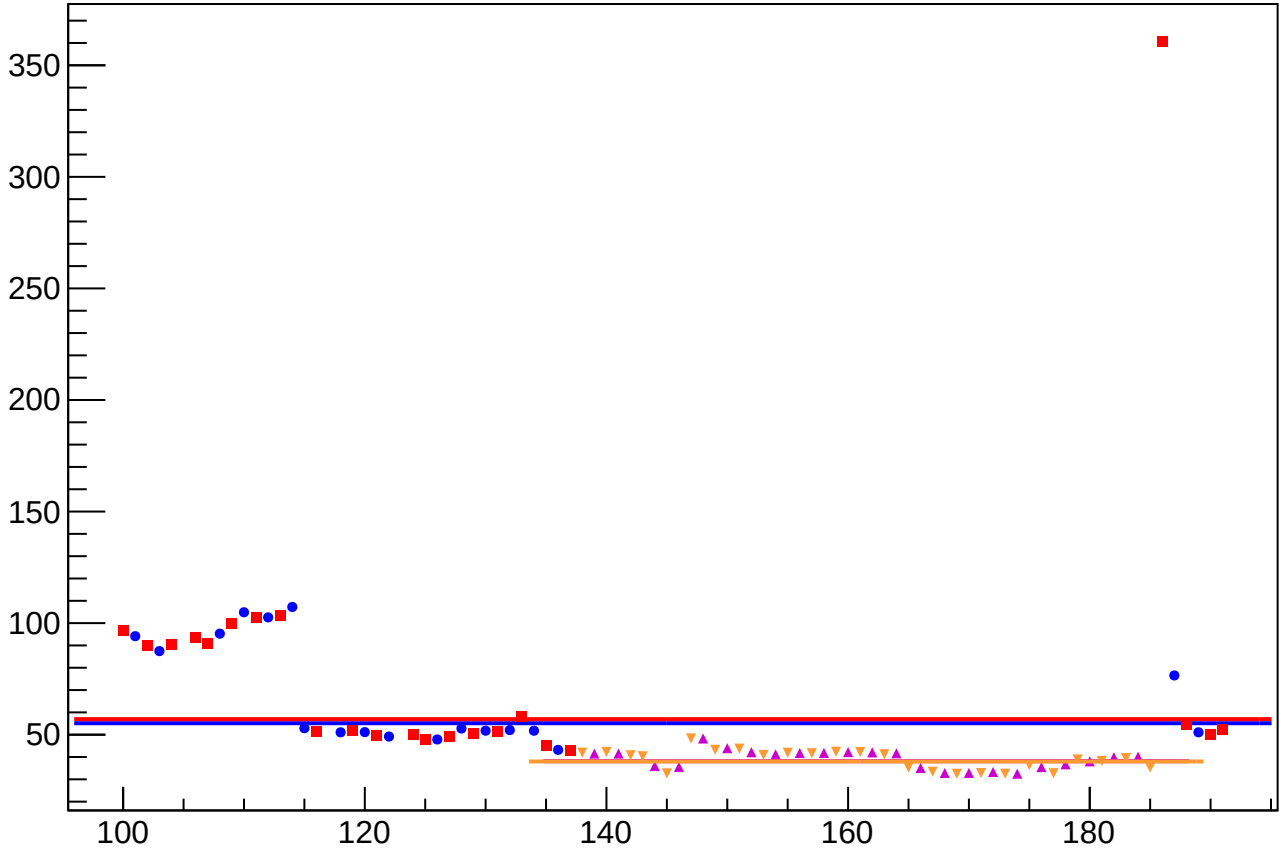
Left In: -7.783+/-8.974 χ^2/NDF:30.6/22

+ sign 23.347+/-8.000 χ^2/NDF: 77.9/42

All: 10.162+/-5.713 χ^2/NDF: 145.3/88

- sign -3.555+/-8.160 χ^2/NDF: 61.8/45

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

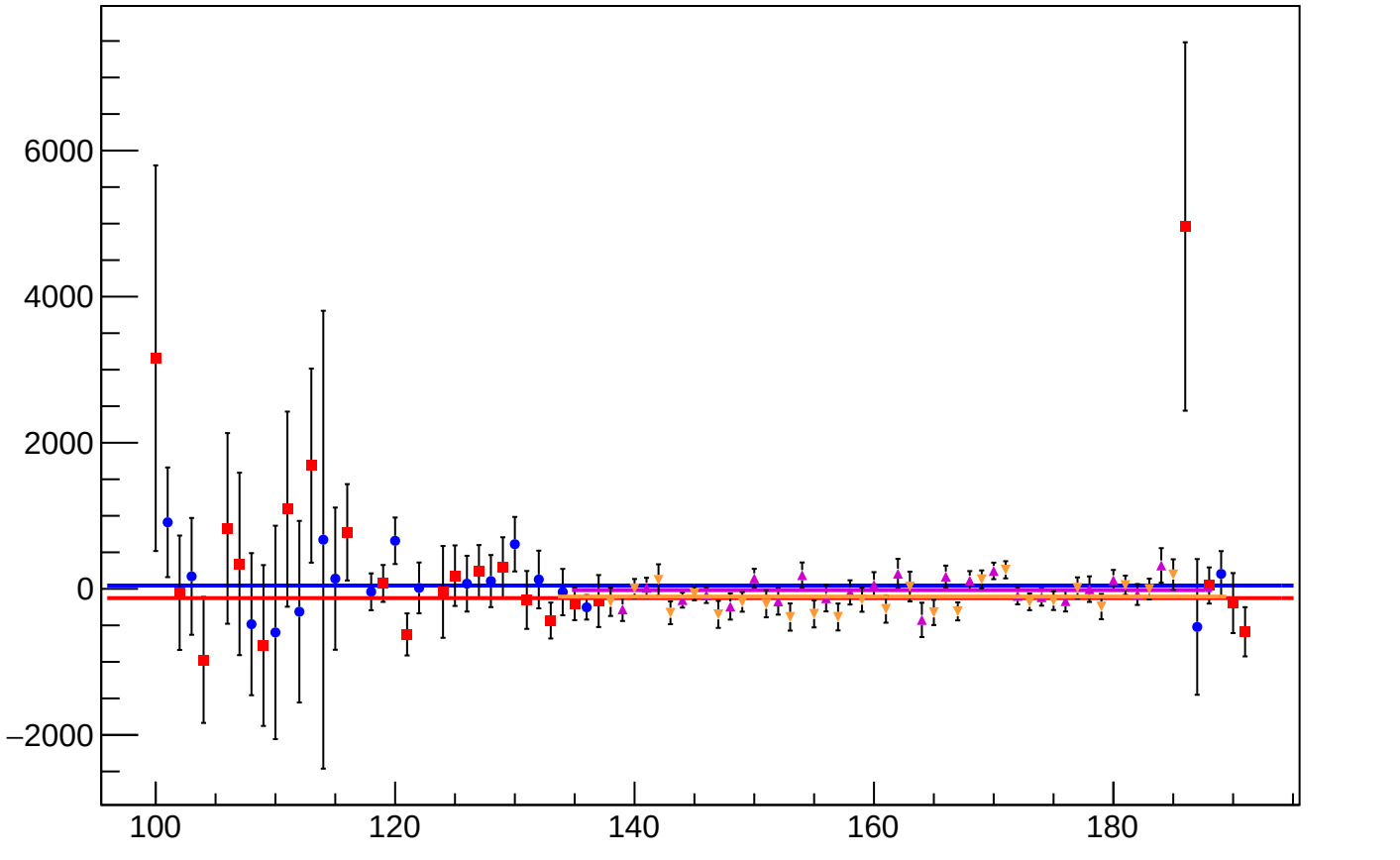
Right Out: 56.967+/-0.014 χ^2/NDF: 1878688.4/22

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 40.631+/-0.006 χ^2/NDF: 2899286.1/42

All: 41.005+/-0.004 χ^2/NDF: 6740710.5/88

- sign 41.394+/-0.006 χ^2/NDF: 3832496.5/45



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: -126.947+/-84.485 χ^2/NDF: 22.5/22

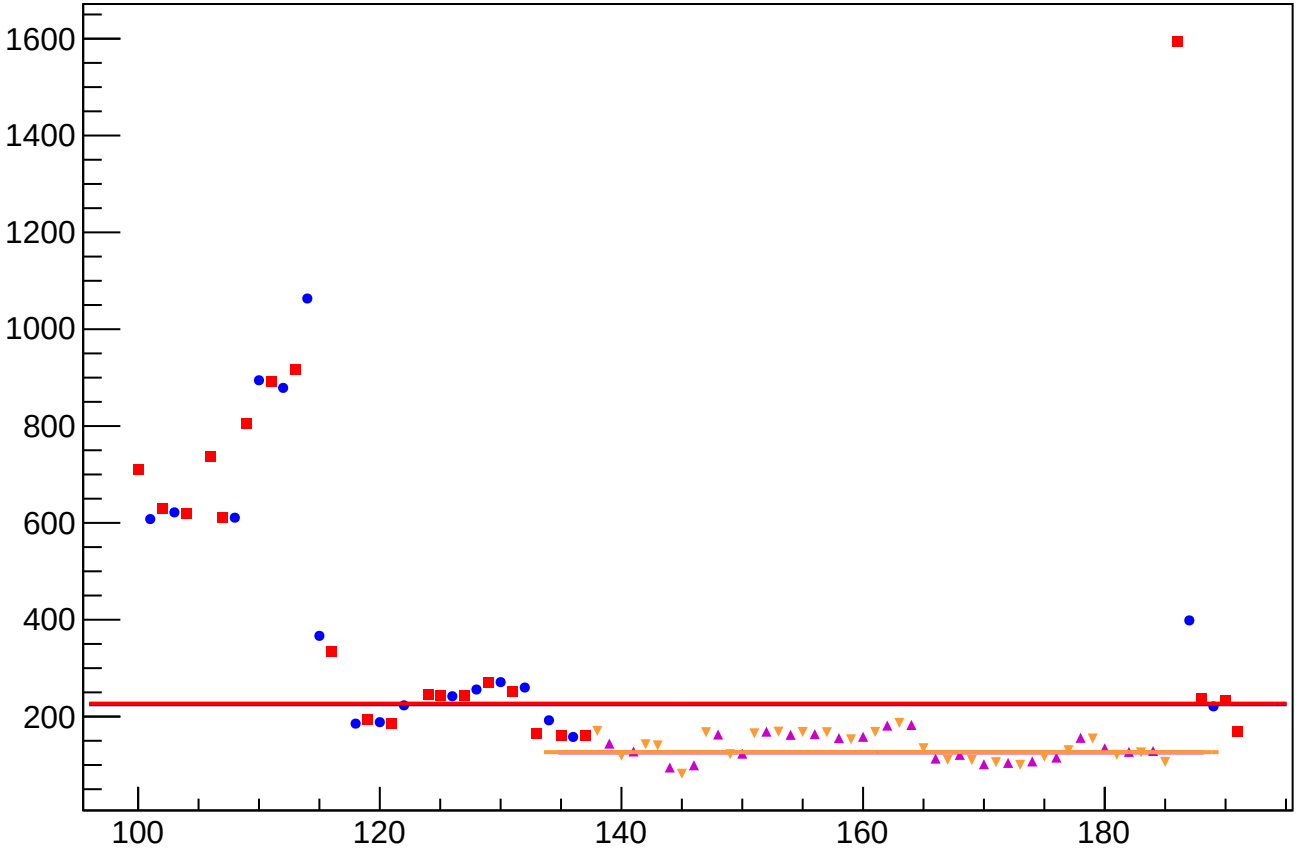
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

\+ sign -91.515+/-28.062 χ^2/NDF: 52.3/42

All: -61.106+/-19.970 χ^2/NDF: 106.9/88

\- sign -29.905+/-28.425 χ^2/NDF: 52.2/45

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: 226.771+/-0.060 χ^2/NDF: 4289220.9/22

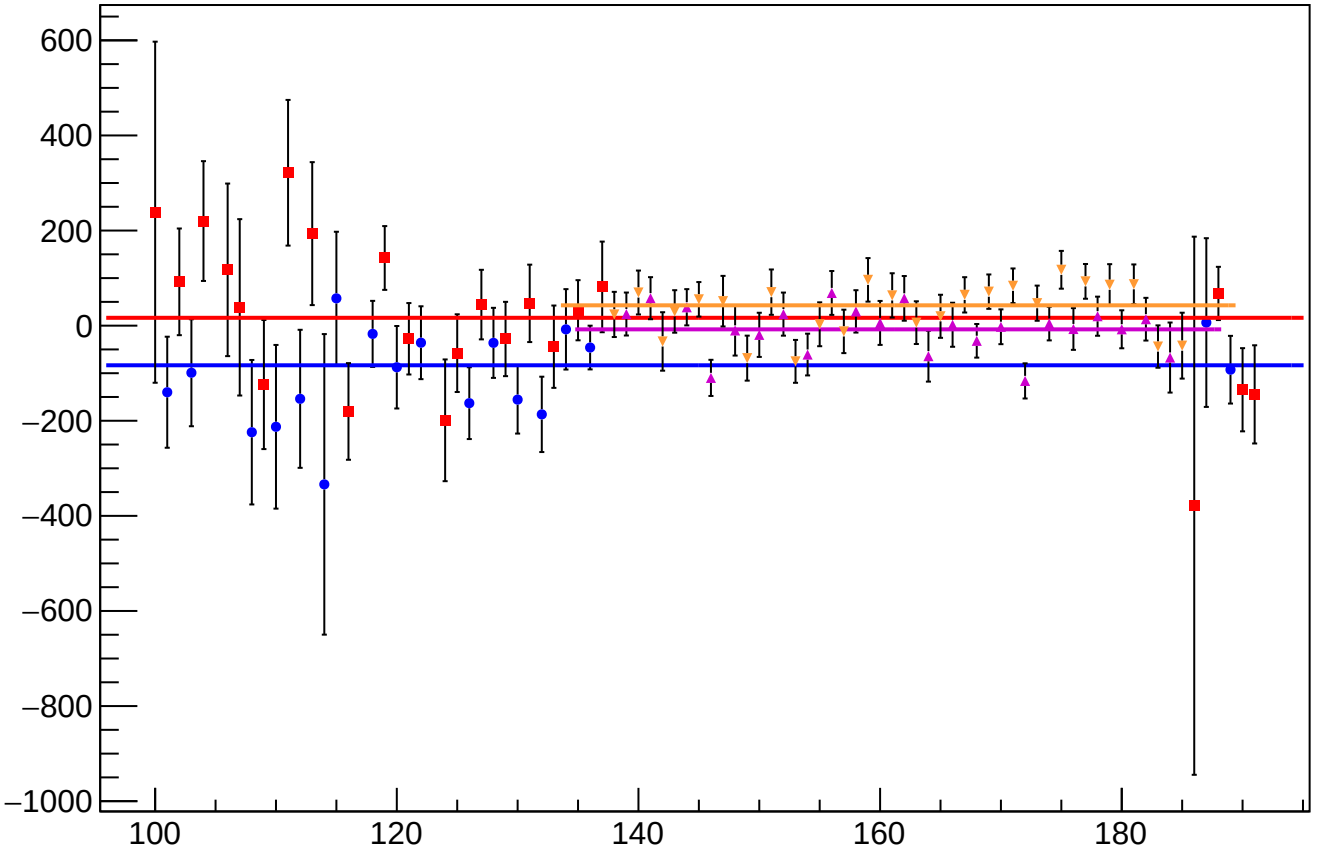
Left In: 126.013+/-0.021 χ^2/NDF:1410655.7/22

+ sign 136.344+/-0.020 χ^2/NDF: 7009355.1/42

All: 136.875+/-0.014 χ^2/NDF: 15233294.4/88

- sign 137.419+/-0.020 χ^2/NDF: 8222488.7/45

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: 16.515+/-19.611 χ^2/NDF: 29.9/22

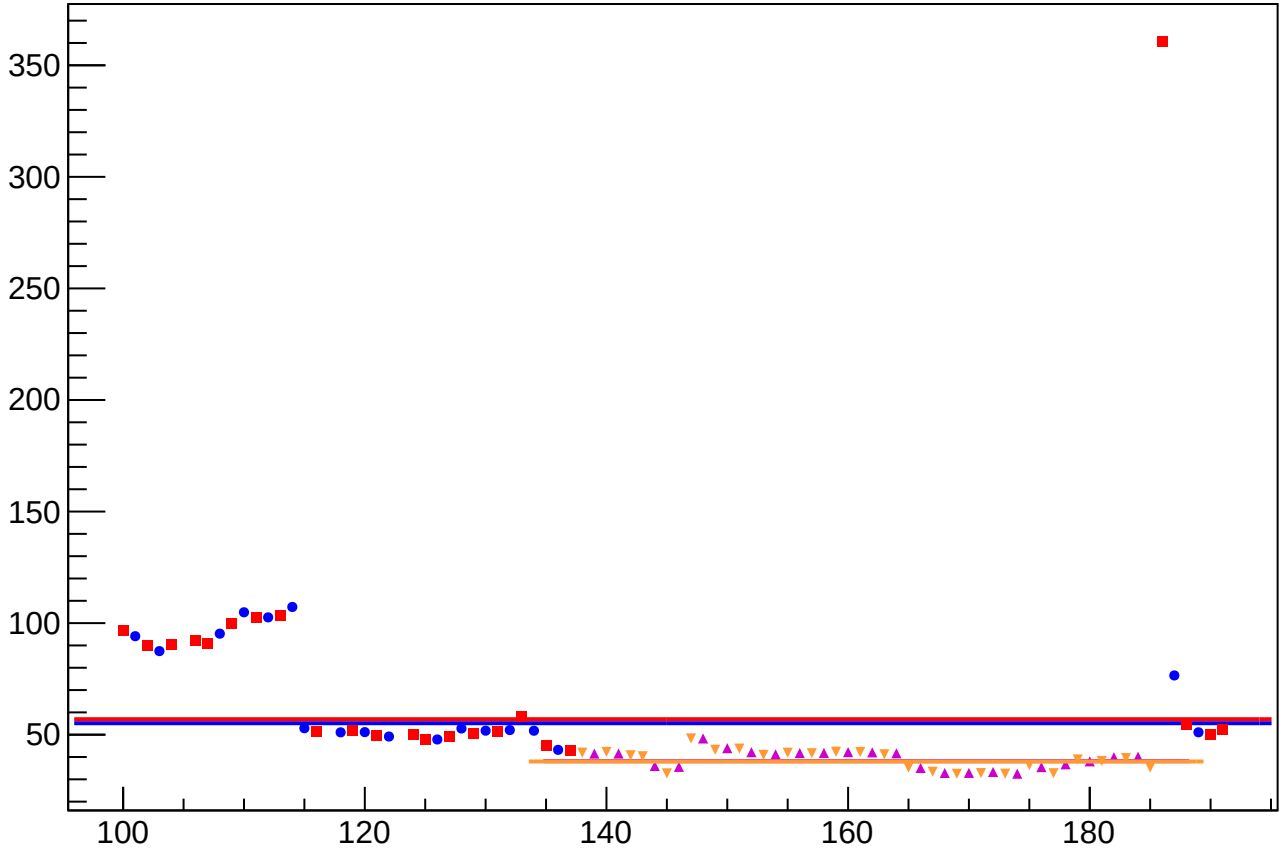
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 23.349+/-8.000 χ^2/NDF: 77.9/42

All: 10.153+/-5.713 χ^2/NDF: 145.2/88

- sign -3.577+/-8.160 χ^2/NDF: 61.7/45

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

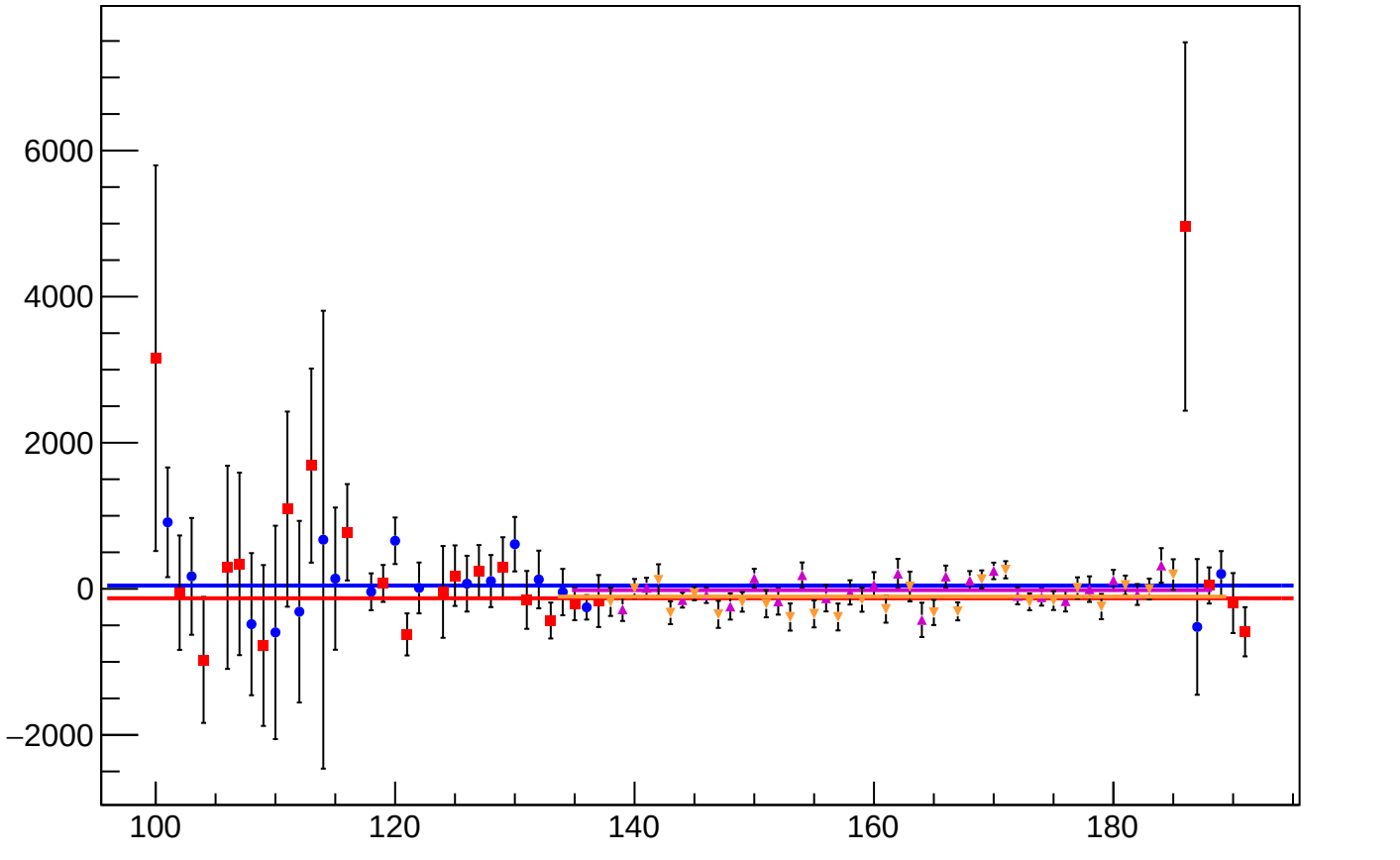
Right Out: 56.944+/-0.014 χ^2/NDF: 1871152.2/22

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 40.631+/-0.006 χ^2/NDF: 2899286.3/42

All: 41.003+/-0.004 χ^2/NDF: 6729176.6/88

- sign 41.390+/-0.006 χ^2/NDF: 3821064.6/45



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: -129.360+/-84.506 χ^2/NDF: 22.0/22

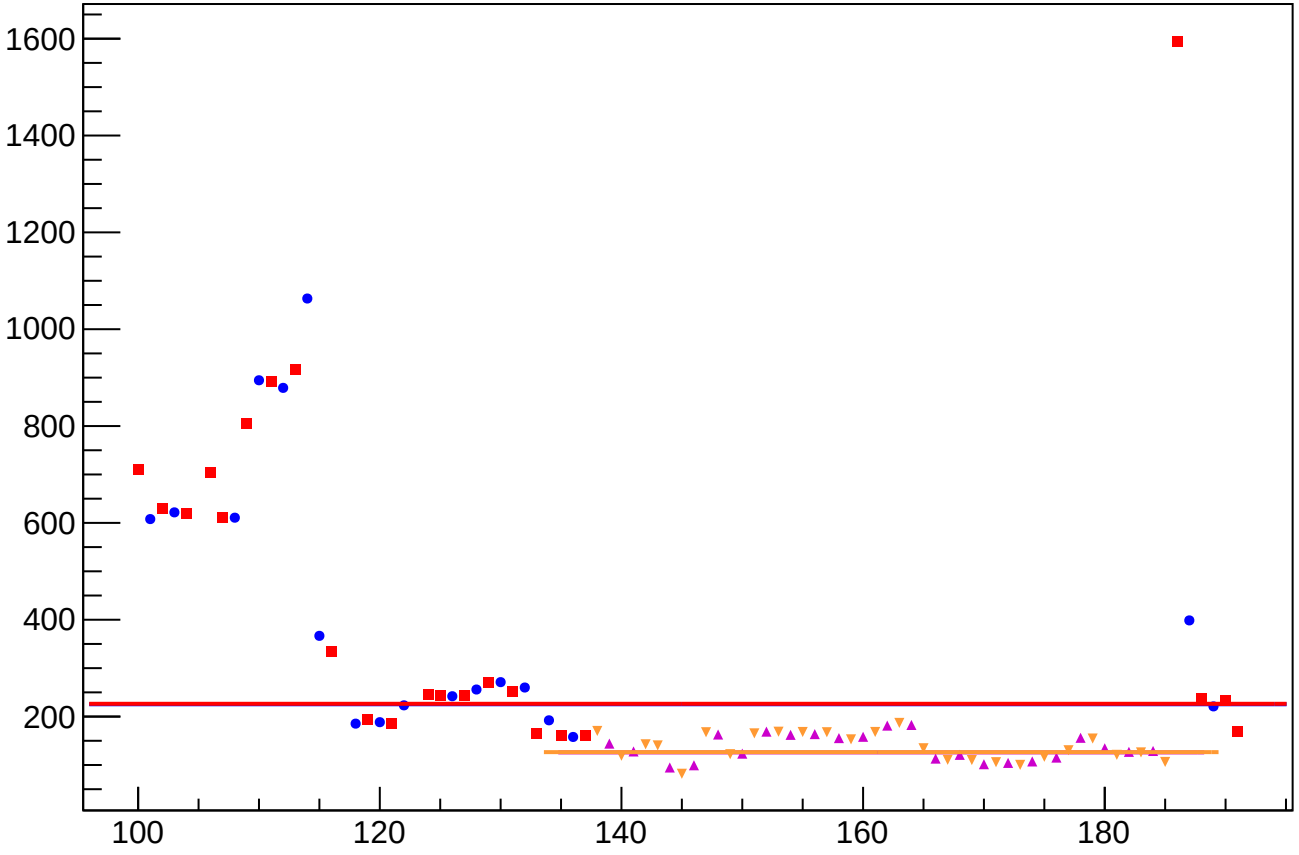
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

\+ sign -91.514+/-28.062 χ^2/NDF: 52.3/42

All: -61.239+/-19.970 χ^2/NDF: 106.5/88

\- sign -30.172+/-28.426 χ^2/NDF: 51.8/45

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: 226.398+/-0.060 χ^2/NDF: 4220402.3/22

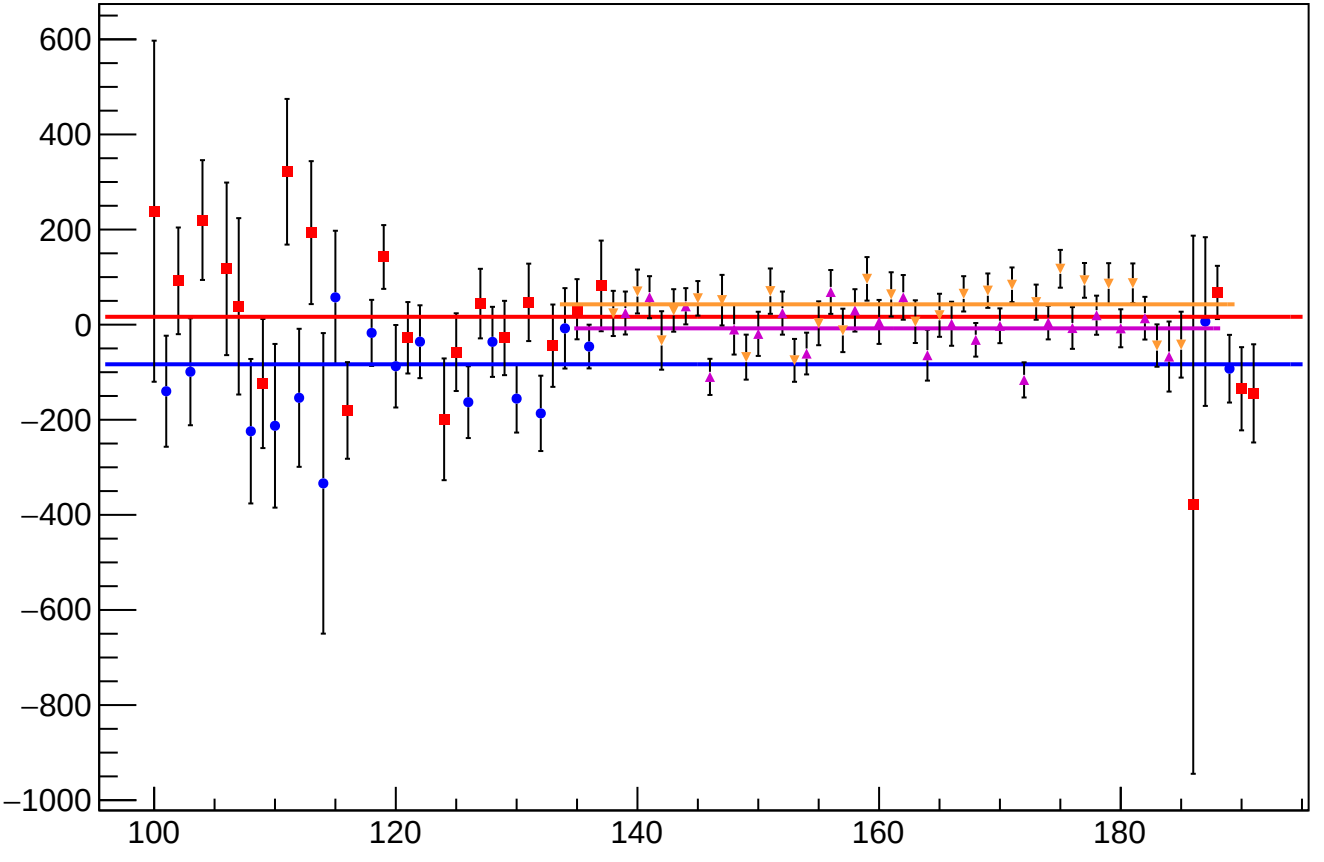
Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 136.344+/-0.020 χ^2/NDF: 7009354.8/42

All: 136.851+/-0.014 χ^2/NDF: 15144581.6/88

- sign 137.372+/-0.020 χ^2/NDF: 8133901.5/45

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: 16.515+/-19.611 χ^2/NDF: 29.9/22

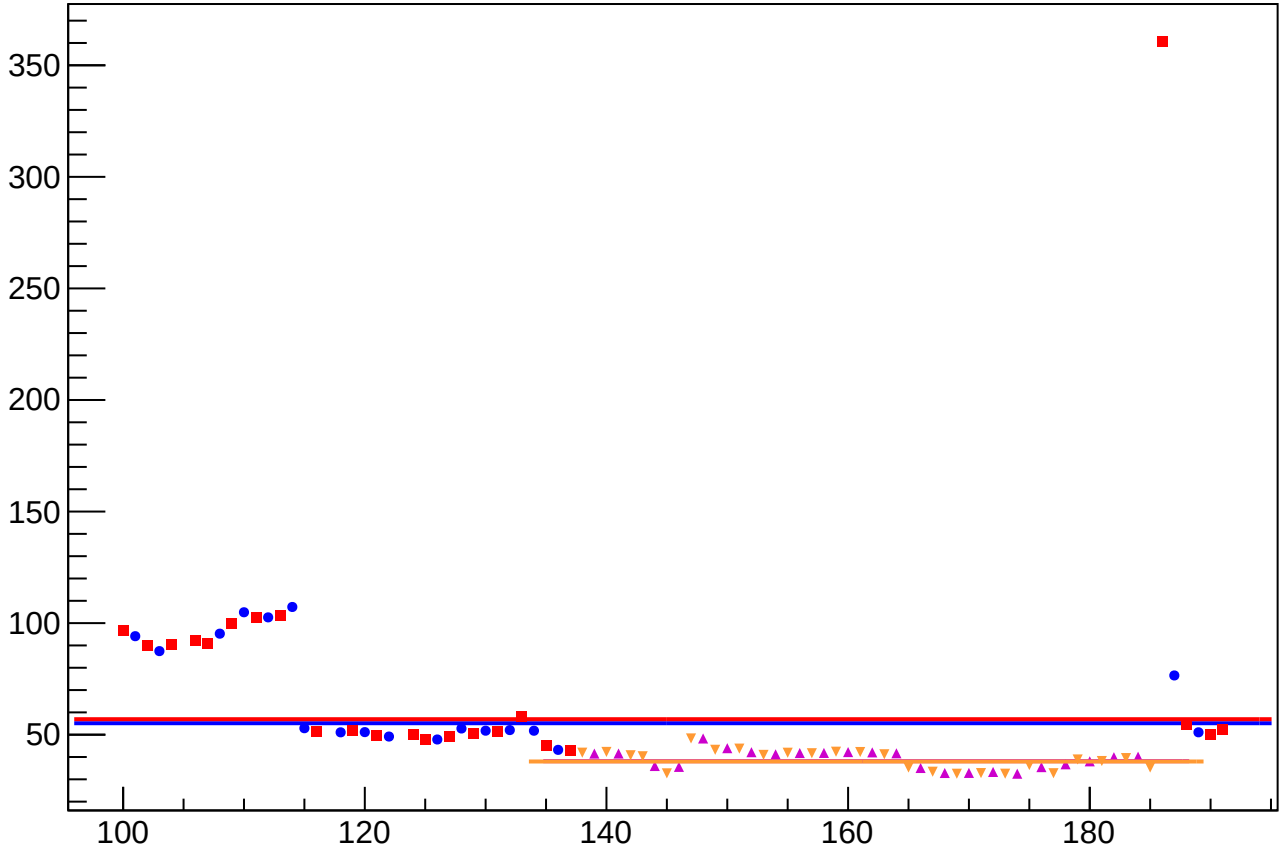
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 23.349+/-8.000 χ^2/NDF: 77.9/42

All: 10.153+/-5.713 χ^2/NDF: 145.2/88

- sign -3.577+/-8.160 χ^2/NDF: 61.7/45

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

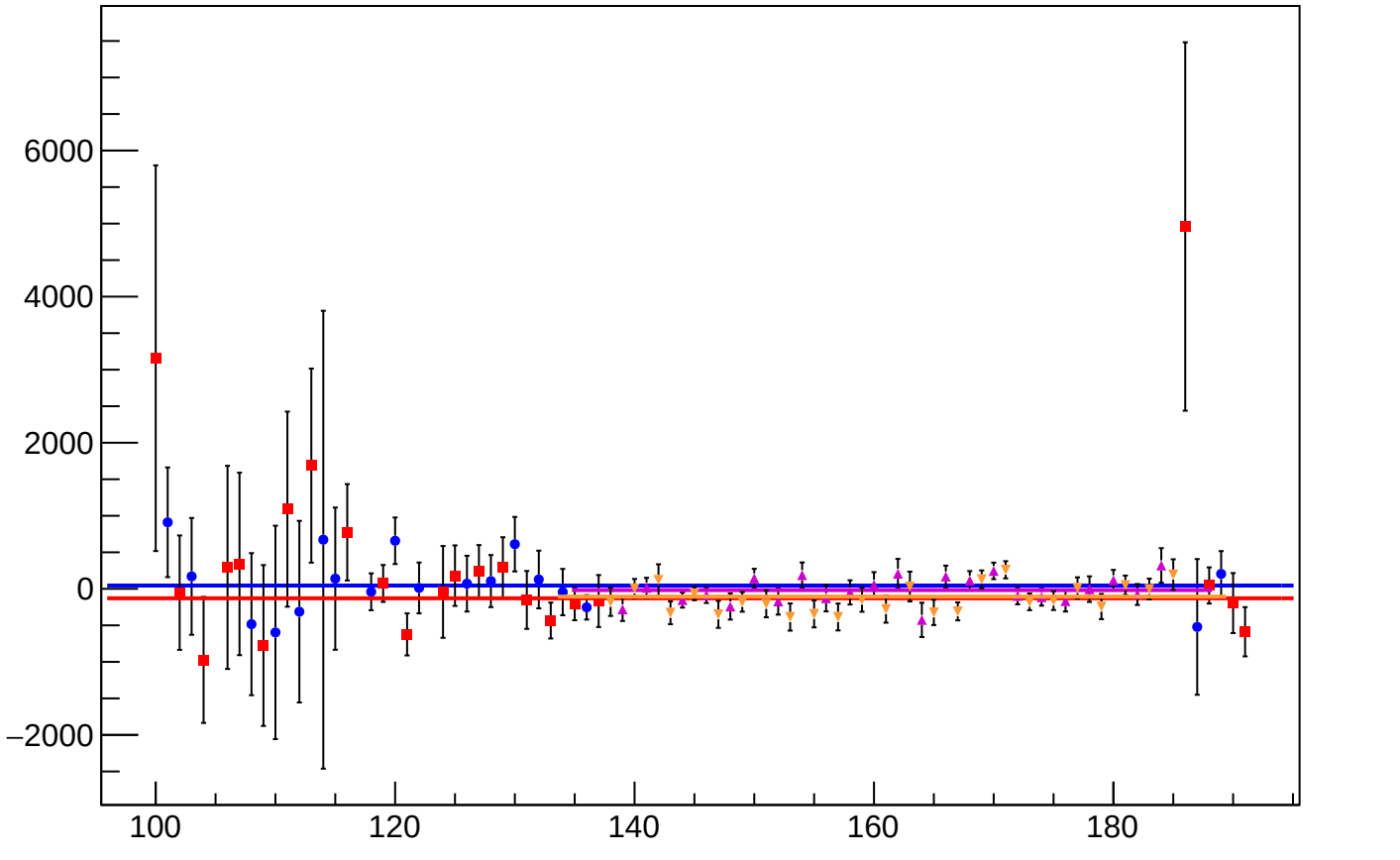
Right Out: 56.944+/-0.014 χ^2/NDF: 1871152.2/22

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 40.631+/-0.006 χ^2/NDF: 2899286.3/42

All: 41.003+/-0.004 χ^2/NDF: 6729176.6/88

- sign 41.390+/-0.006 χ^2/NDF: 3821064.6/45



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: -129.360+/-84.506 χ^2/NDF: 22.0/22

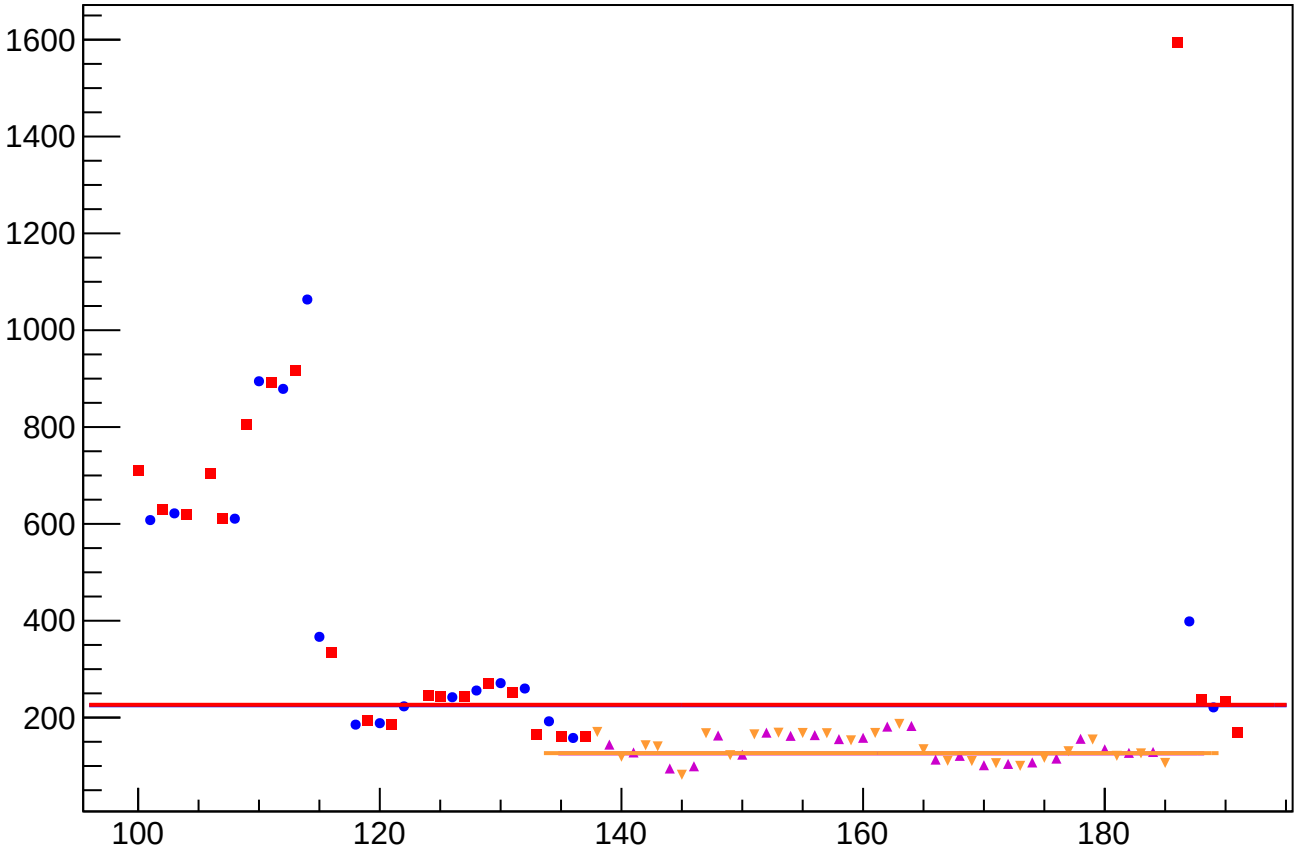
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -91.514+/-28.062 χ^2/NDF: 52.3/42

All: -61.239+/-19.970 χ^2/NDF: 106.5/88

- sign -30.172+/-28.426 χ^2/NDF: 51.8/45

asym_sam_37_26_dd_eigen_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: 226.398+/-0.060 χ^2/NDF: 4220402.3/22

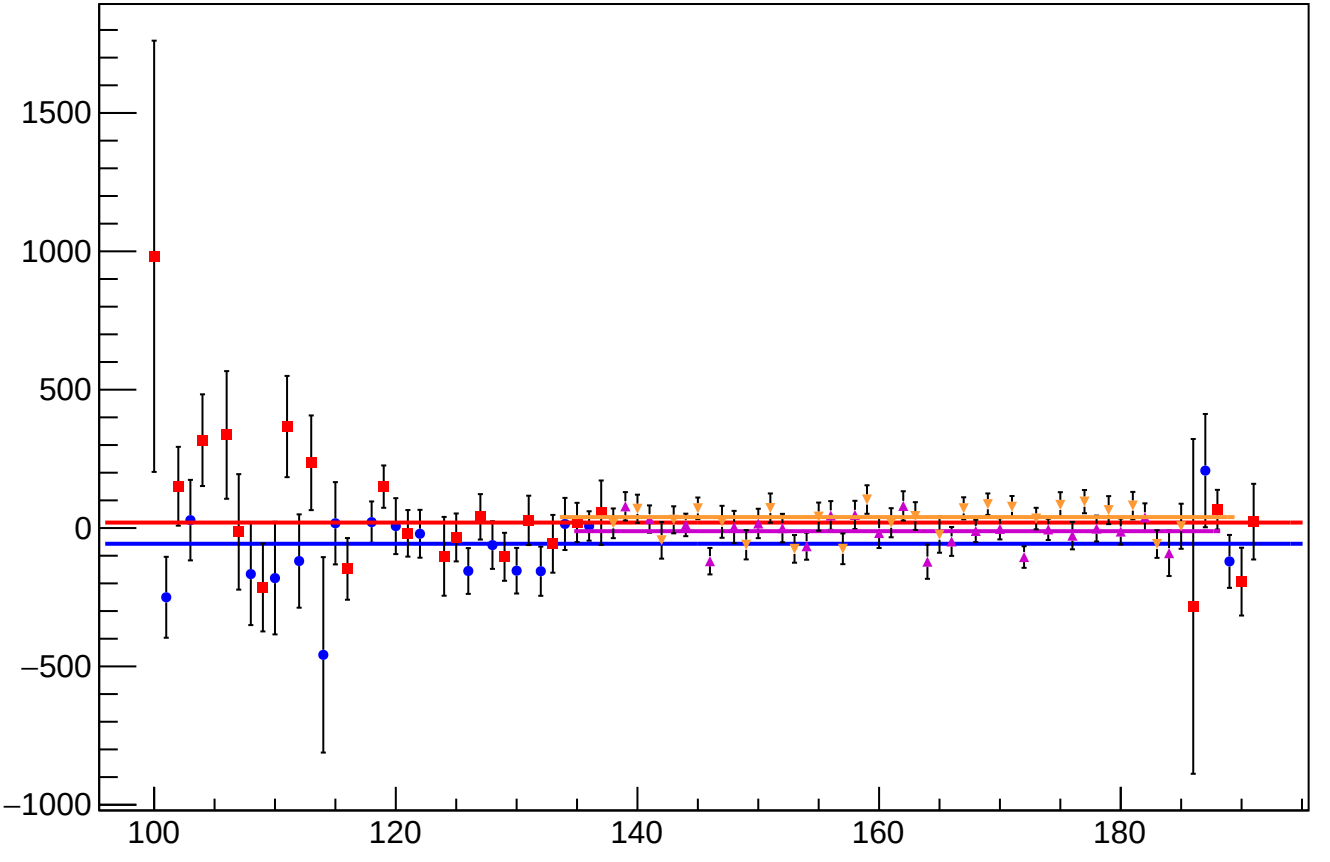
Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 136.344+/-0.020 χ^2/NDF: 7009354.8/42

All: 136.851+/-0.014 χ^2/NDF: 15144581.6/88

- sign 137.372+/-0.020 χ^2/NDF: 8133901.5/45

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: 19.806+/-22.960 χ^2/NDF: 27.8/22

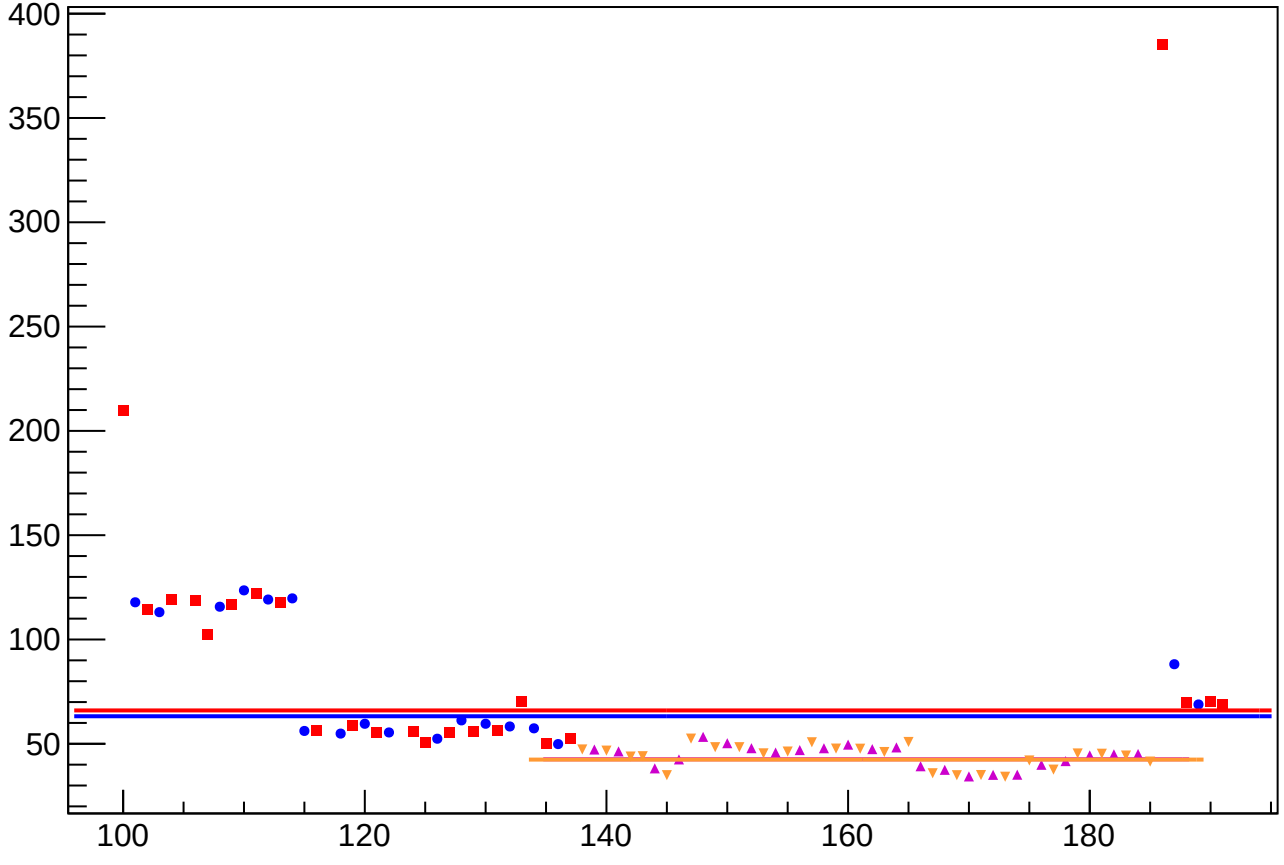
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 25.490+/-9.006 χ^2/NDF: 58.3/42

All: 9.991+/-6.445 χ^2/NDF: 121.6/88

- sign -6.281+/-9.227 χ^2/NDF: 57.3/45

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: 65.997+/-0.016 χ^2/NDF: 2162221.2/22

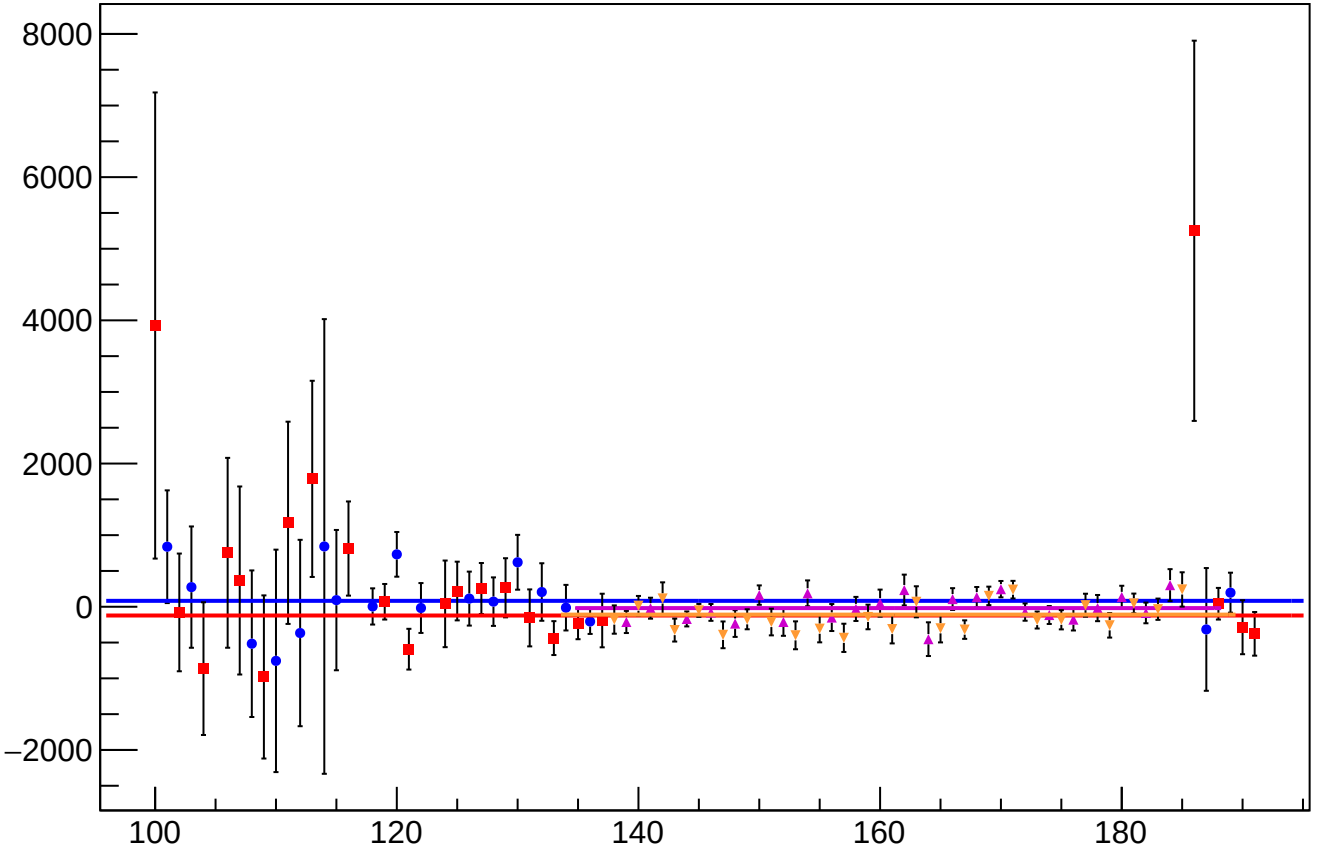
Left In: 42.579+/-0.007 χ^2/NDF:589897.0/22

+ sign 45.460+/-0.006 χ^2/NDF: 3412858.0/42

All: 45.900+/-0.005 χ^2/NDF: 7919348.1/88

- sign 46.361+/-0.007 χ^2/NDF: 4496715.1/45

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: -122.209+/-81.657 χ^2/NDF: 21.9/22

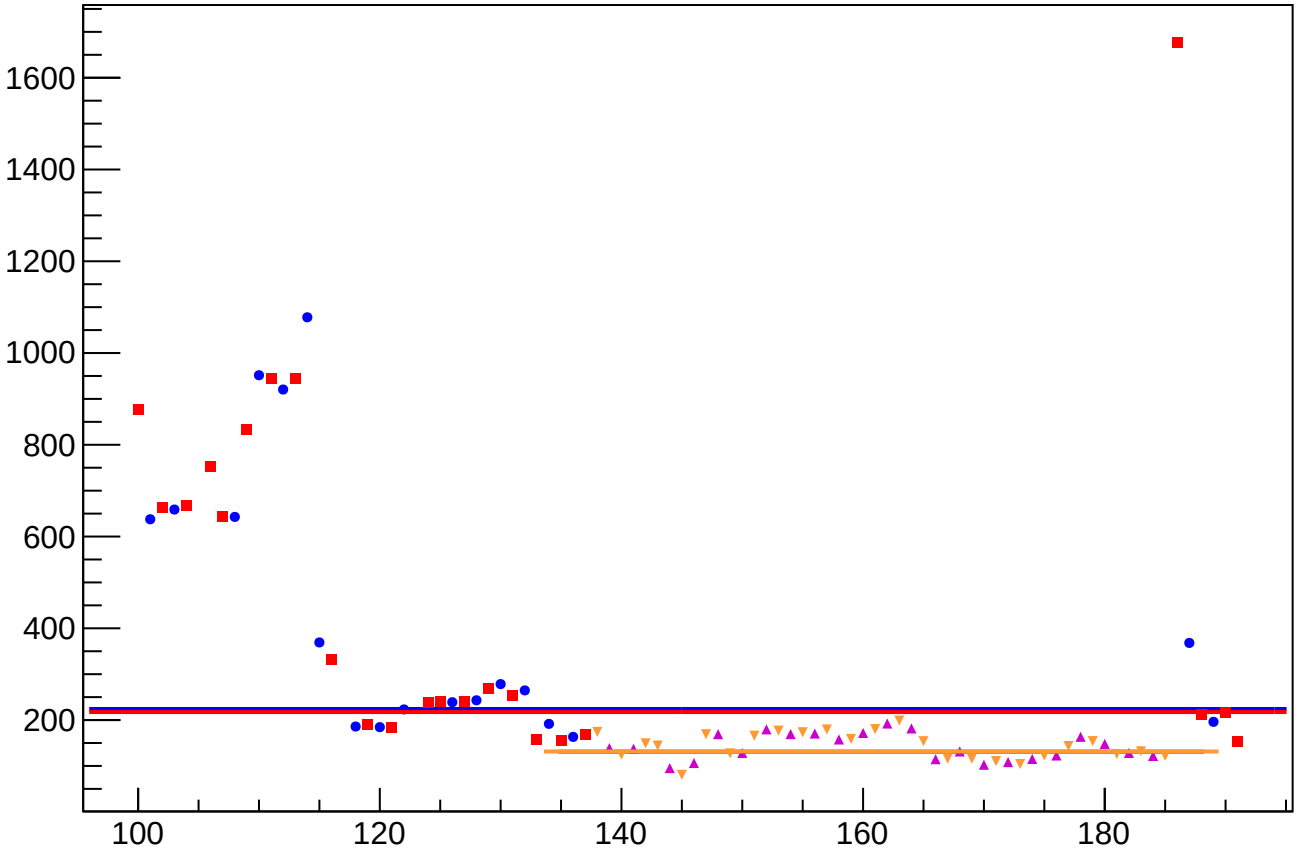
Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -89.350+/-29.072 χ^2/NDF: 52.0/42

All: -61.071+/-20.662 χ^2/NDF: 104.4/88

- sign -32.211+/-29.370 χ^2/NDF: 50.5/45

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: 217.442+/-0.058 χ^2/NDF: 4545729.7/22

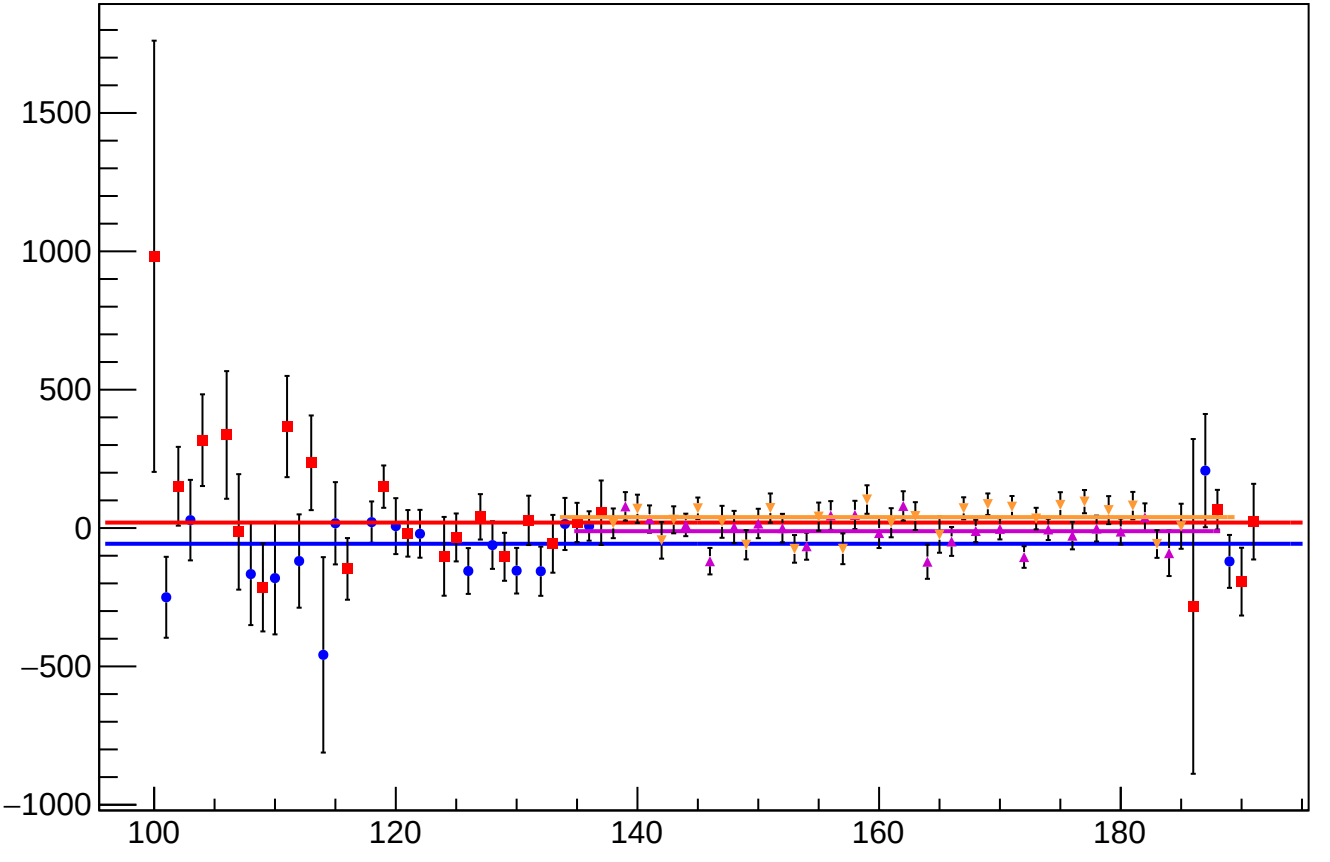
Left In: 131.074+/-0.022 χ^2/NDF:1467806.6/22

+ sign 141.395+/-0.021 χ^2/NDF: 6940934.4/42

All: 141.817+/-0.015 χ^2/NDF: 14903330.1/88

- sign 142.247+/-0.021 χ^2/NDF: 7961546.0/45

eigen_dit_asym_sam_37_26_dd_mean vs Slug



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: 19.808+/-22.960 χ^2/NDF: 27.8/22

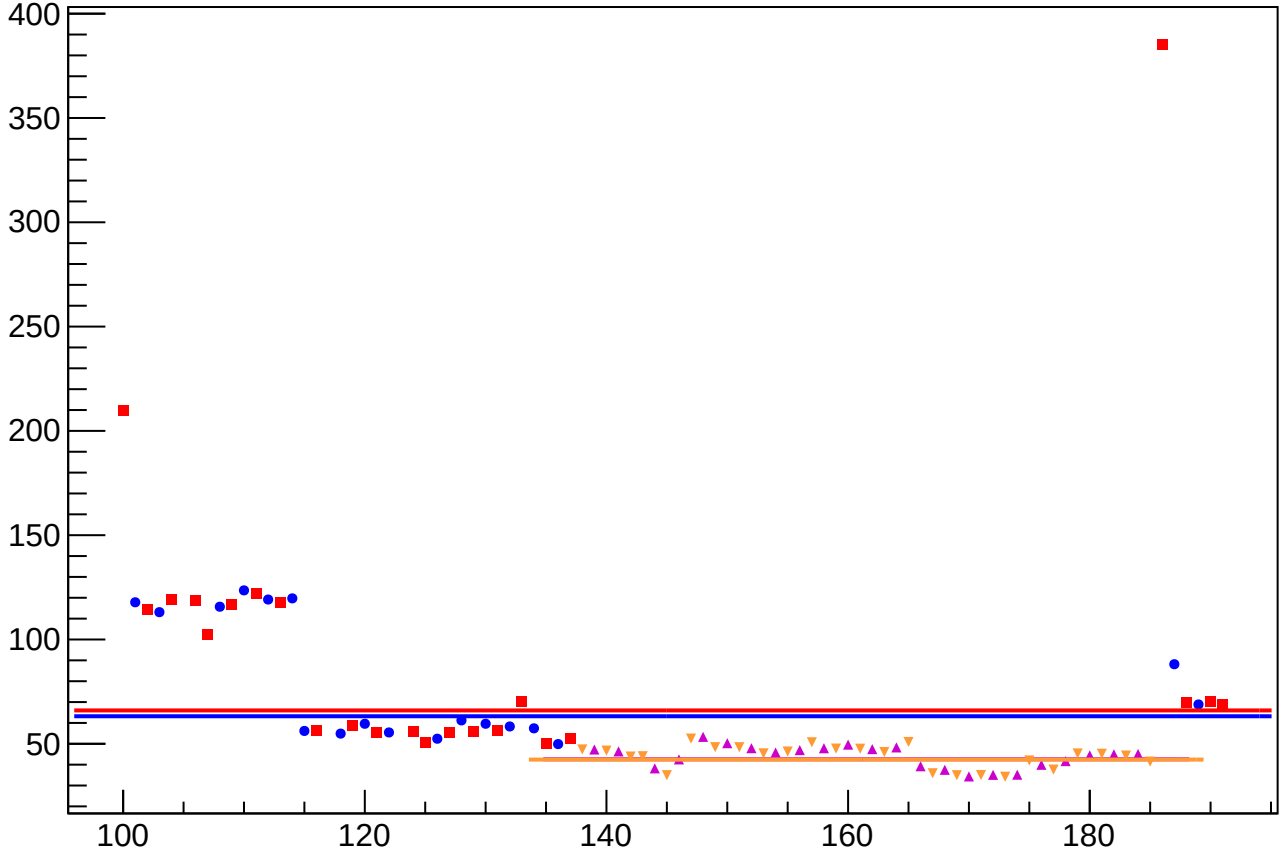
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 25.491+/-9.006 χ^2/NDF: 58.3/42

All: 9.992+/-6.445 χ^2/NDF: 121.6/88

- sign -6.280+/-9.227 χ^2/NDF: 57.3/45

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

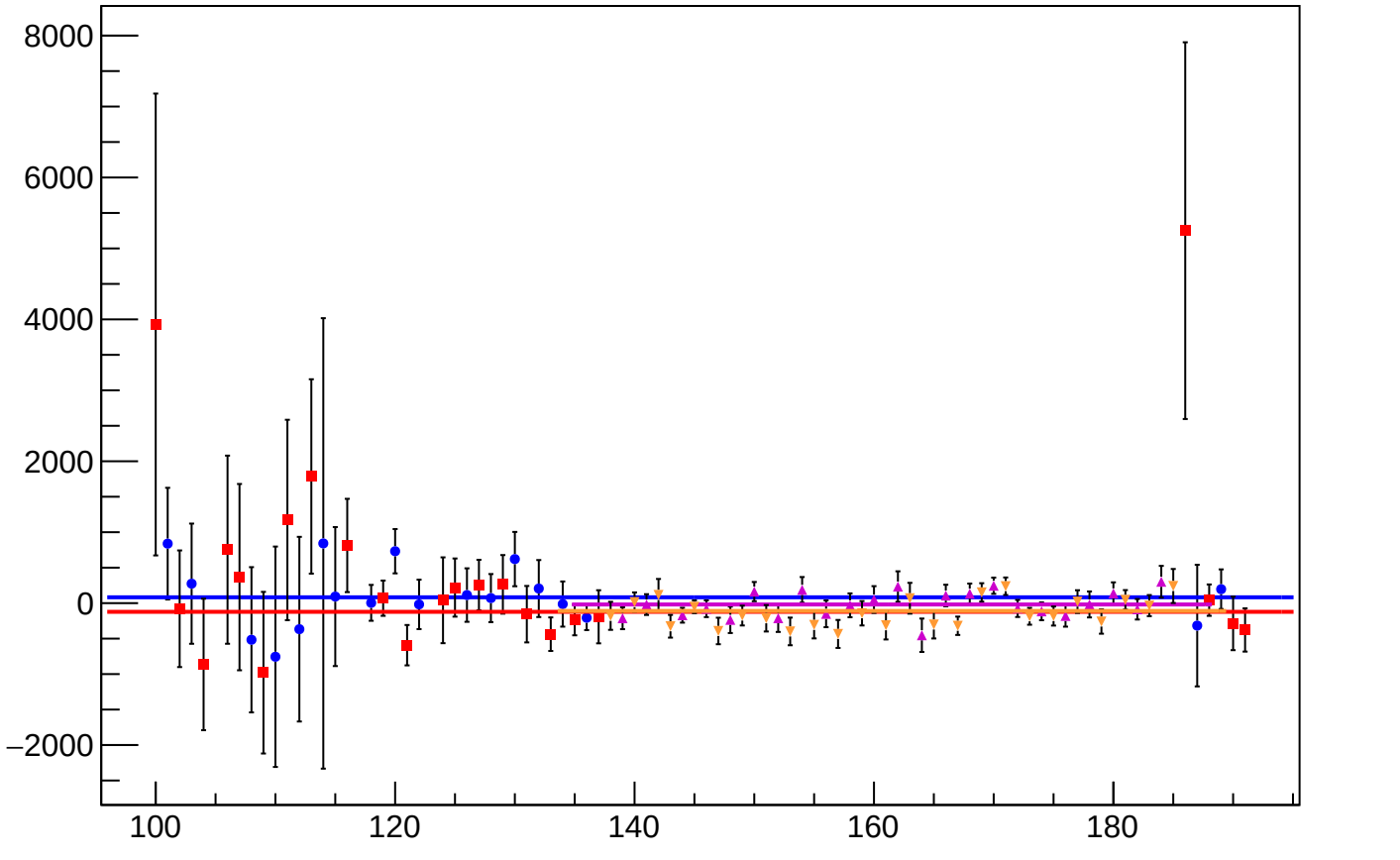
Right Out: 65.997+/-0.016 χ^2/NDF: 2162206.5/22

Left In: 42.579+/-0.007 χ^2/NDF:589901.9/22

+ sign 45.460+/-0.006 χ^2/NDF: 3412821.7/42

All: 45.900+/-0.005 χ^2/NDF: 7919278.4/88

- sign 46.362+/-0.007 χ^2/NDF: 4496679.6/45



Right In: 82.526+/-89.020 χ^2/NDF: 11.6/17

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

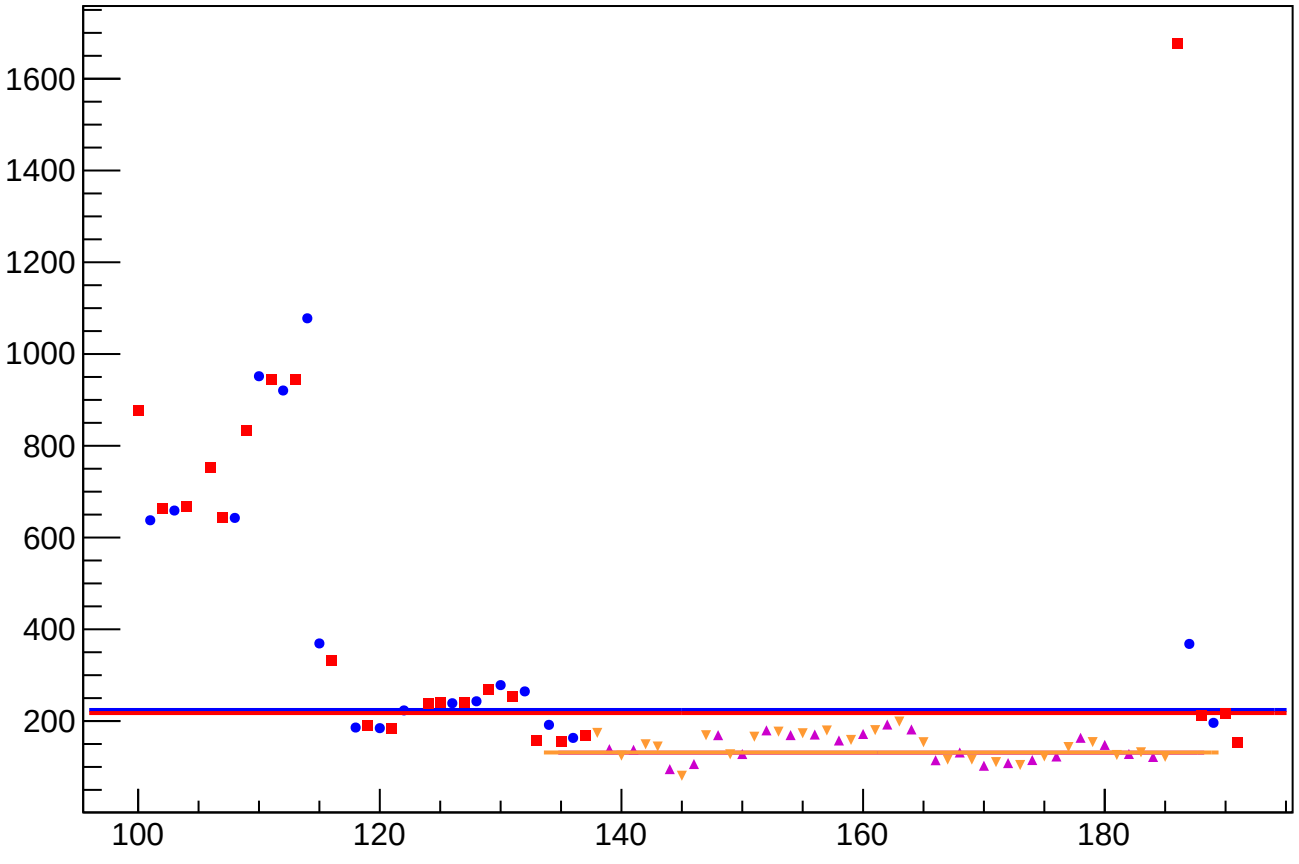
Right Out: -122.207+/-81.656 χ^2/NDF: 21.9/22

Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -89.349+/-29.072 χ^2/NDF: 52.0/42

All: -61.071+/-20.662 χ^2/NDF: 104.4/88

- sign -32.211+/-29.370 χ^2/NDF: 50.5/45



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: 217.442+/-0.058 χ^2/NDF: 4545712.0/22

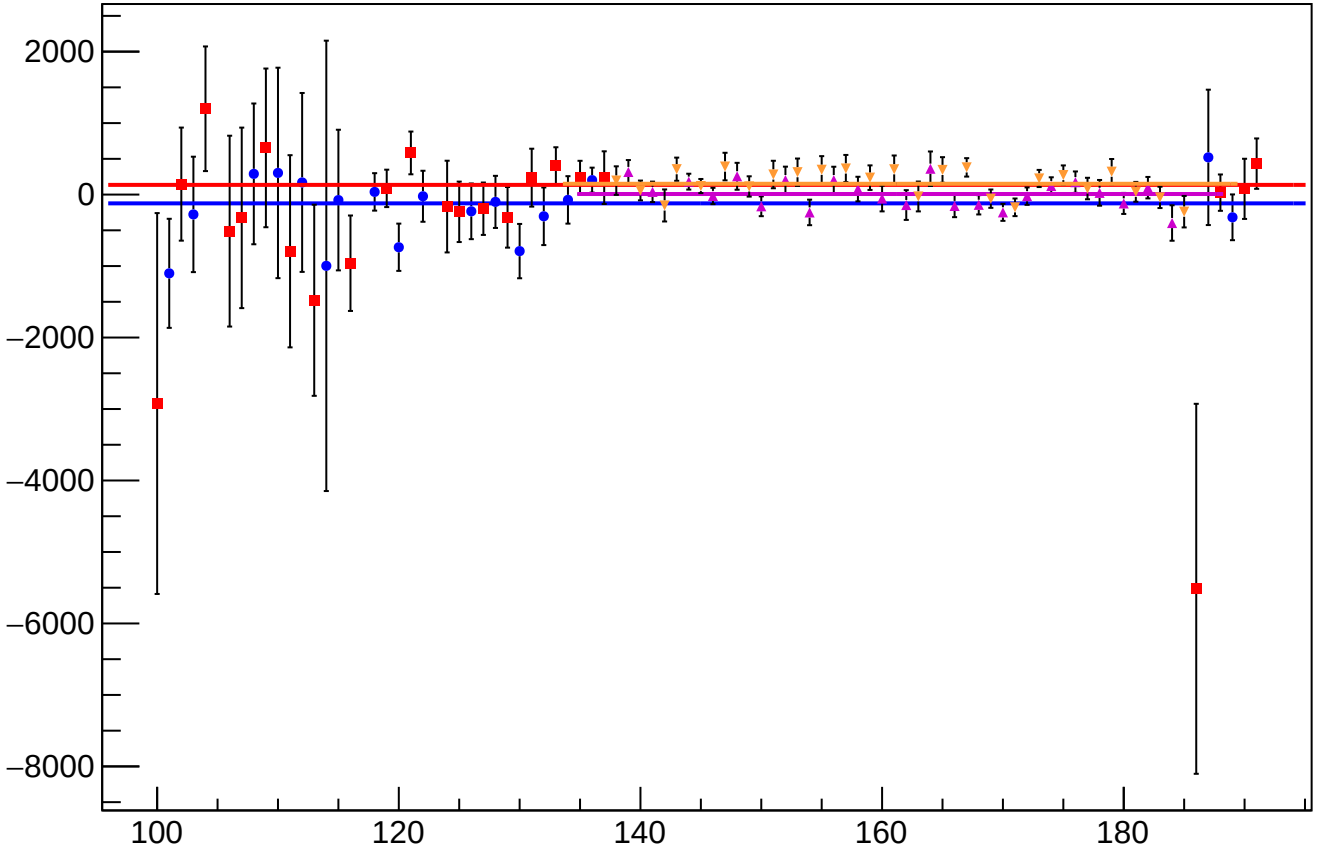
Left In: 131.074+/-0.022 χ^2/NDF:1467810.7/22

+ sign 141.396+/-0.021 χ^2/NDF: 6940901.9/42

All: 141.817+/-0.015 χ^2/NDF: 14903278.5/88

- sign 142.247+/-0.021 χ^2/NDF: 7961527.0/45

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: 135.615+/-87.376 χ^2/NDF: 20.3/22

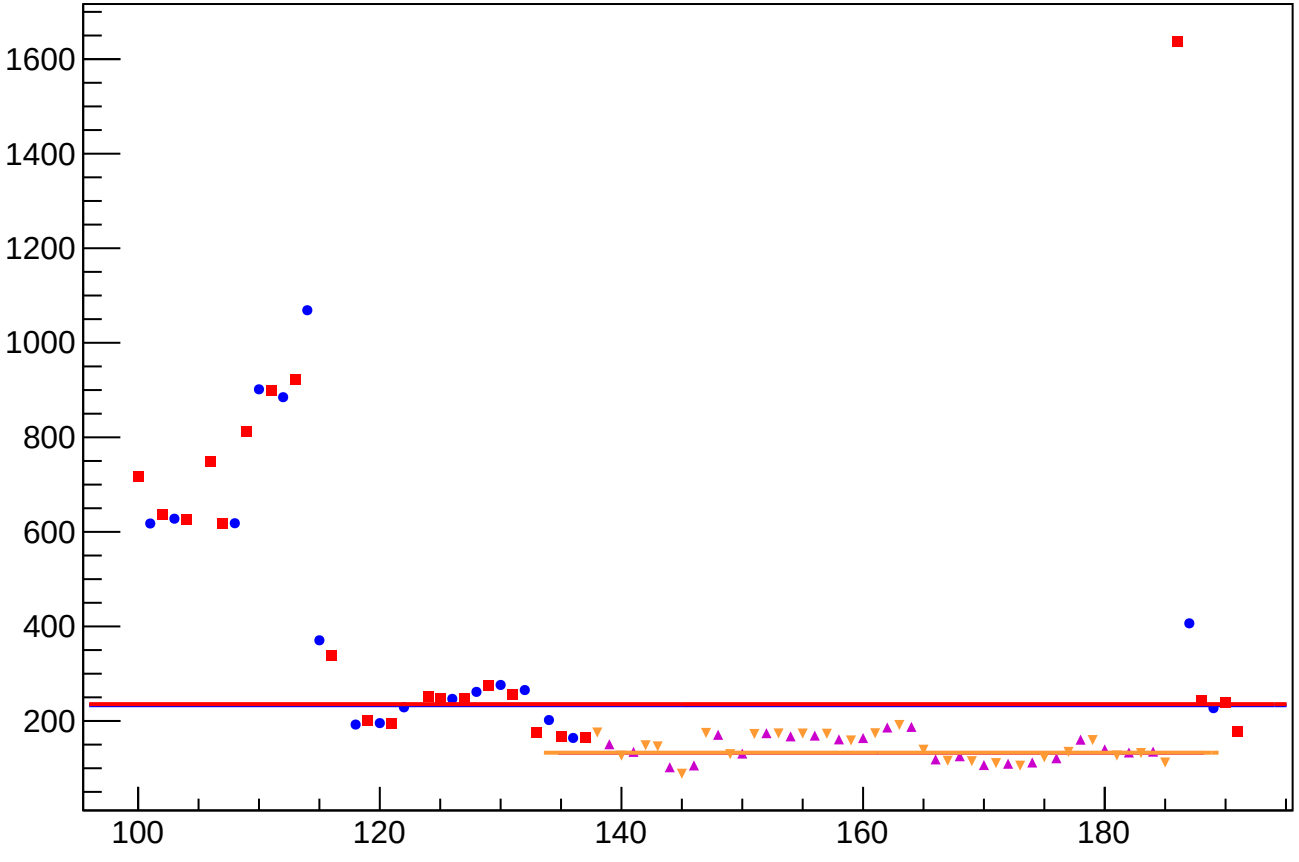
Left In: 7.941+/-31.621 χ^2/NDF:29.5/22

+ sign 123.241+/-29.336 χ^2/NDF: 54.7/42

All: 73.661+/-20.883 χ^2/NDF: 112.2/88

- sign 22.726+/-29.734 χ^2/NDF: 51.7/45

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

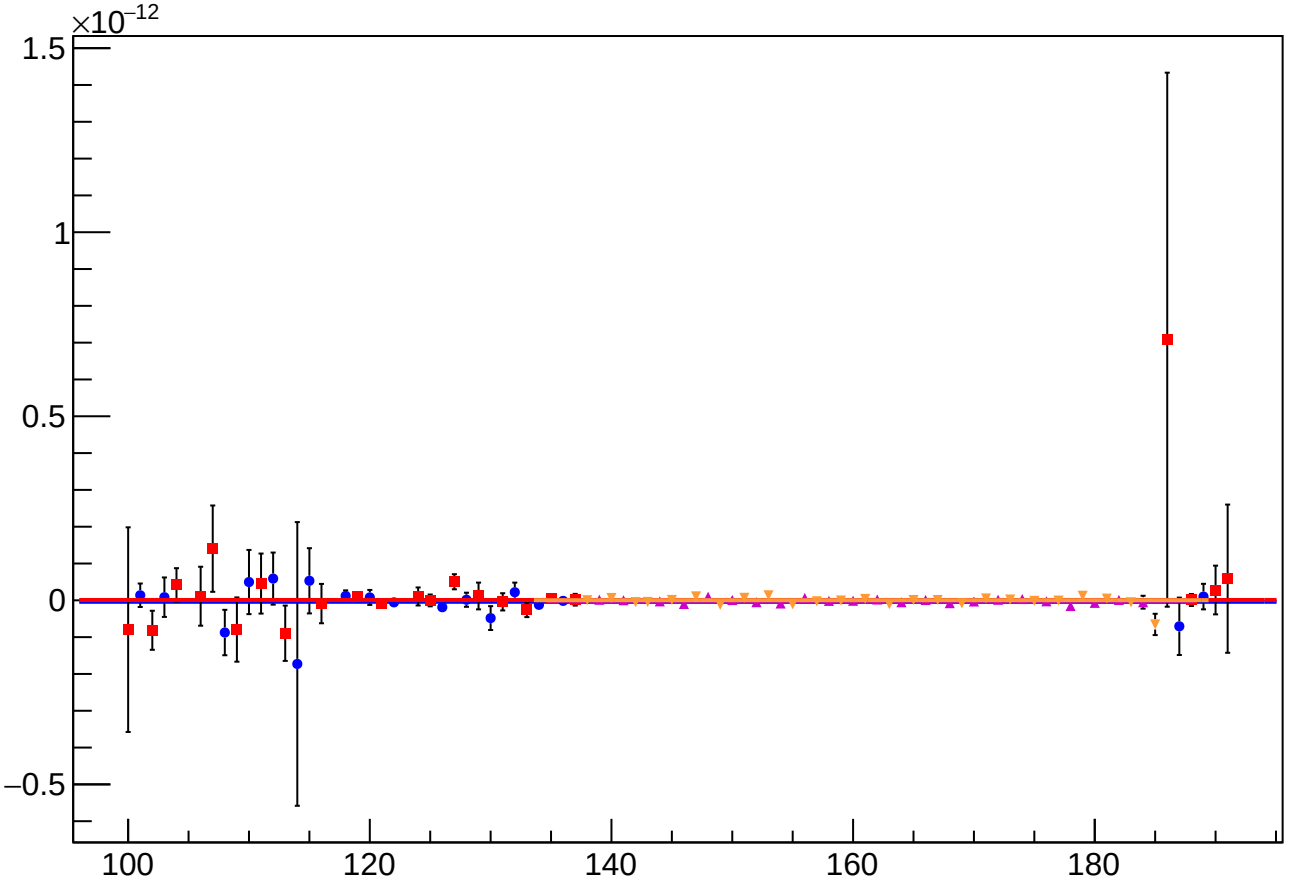
Right Out: 235.635+/-0.062 χ^2/NDF: 4163470.9/22

Left In: 132.342+/-0.022 χ^2/NDF:1277761.6/22

+ sign 143.091+/-0.021 χ^2/NDF: 6688318.2/42

All: 143.689+/-0.015 χ^2/NDF: 14602633.2/88

- sign 144.303+/-0.021 χ^2/NDF: 7912629.3/45



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:32.2/24

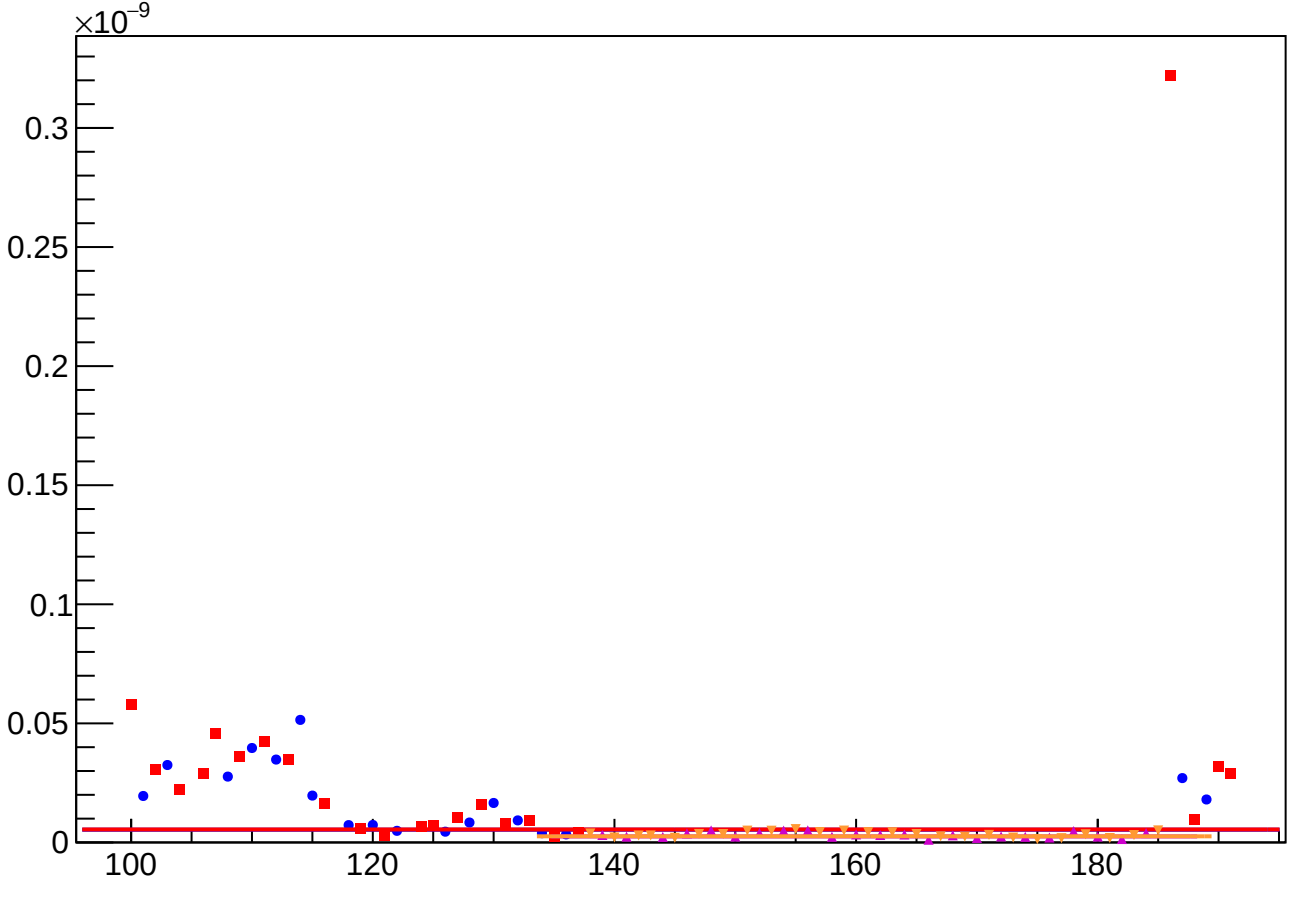
Right Out: 0.000+/-0.000 χ^2/NDF: 19.3/22

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: 80.9/88

- sign -0.000+/-0.000 χ^2/NDF: 34.5/45



Right In: 0.000+/-0.000 χ^2/NDF: 3046068.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:2174042.6/24

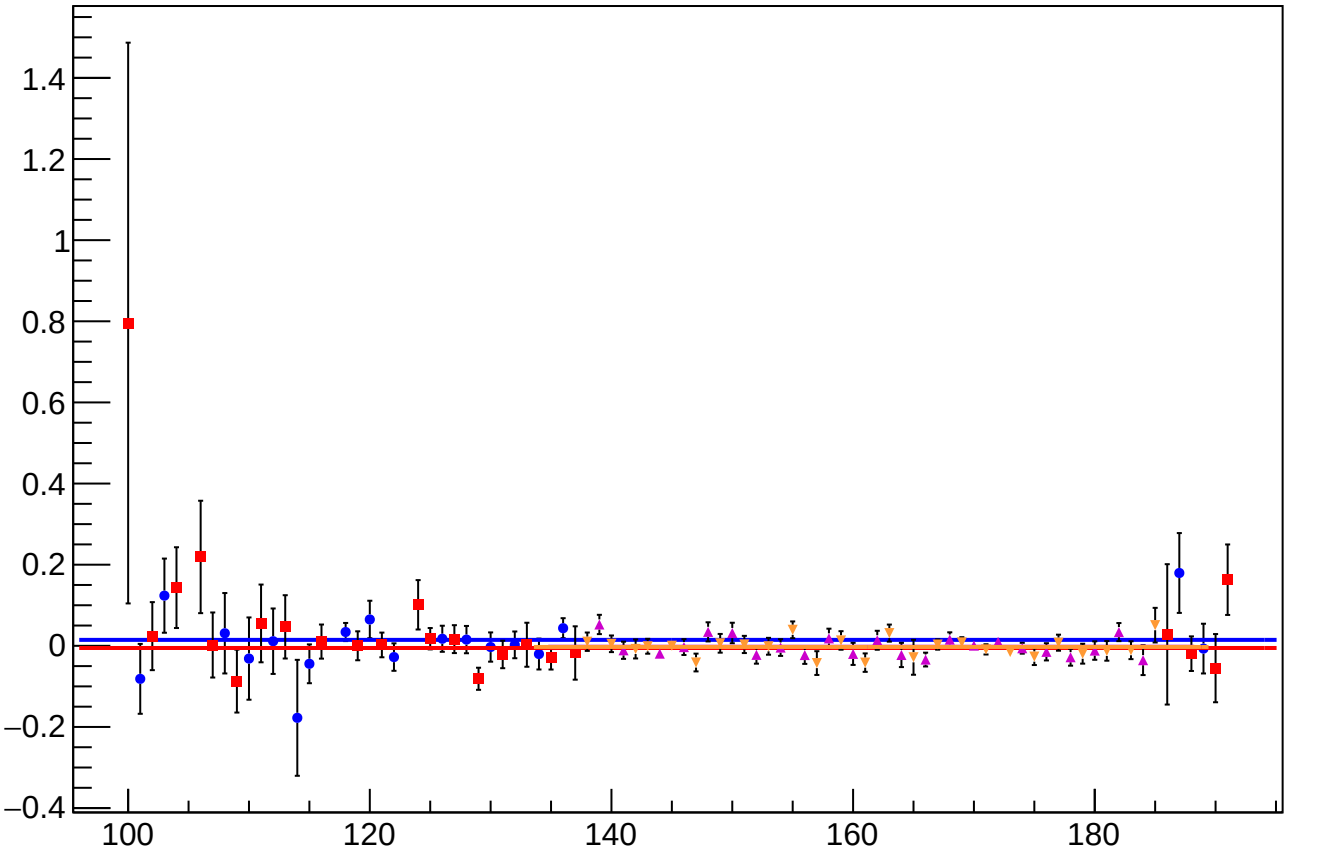
Right Out: 0.000+/-0.000 χ^2/NDF: 4103366.0/22

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: 13005620.4/88

- sign 0.000+/-0.000 χ^2/NDF: 6711197.6/45



Right In: 0.015+/-0.010 χ^2/NDF: 15.3/17

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

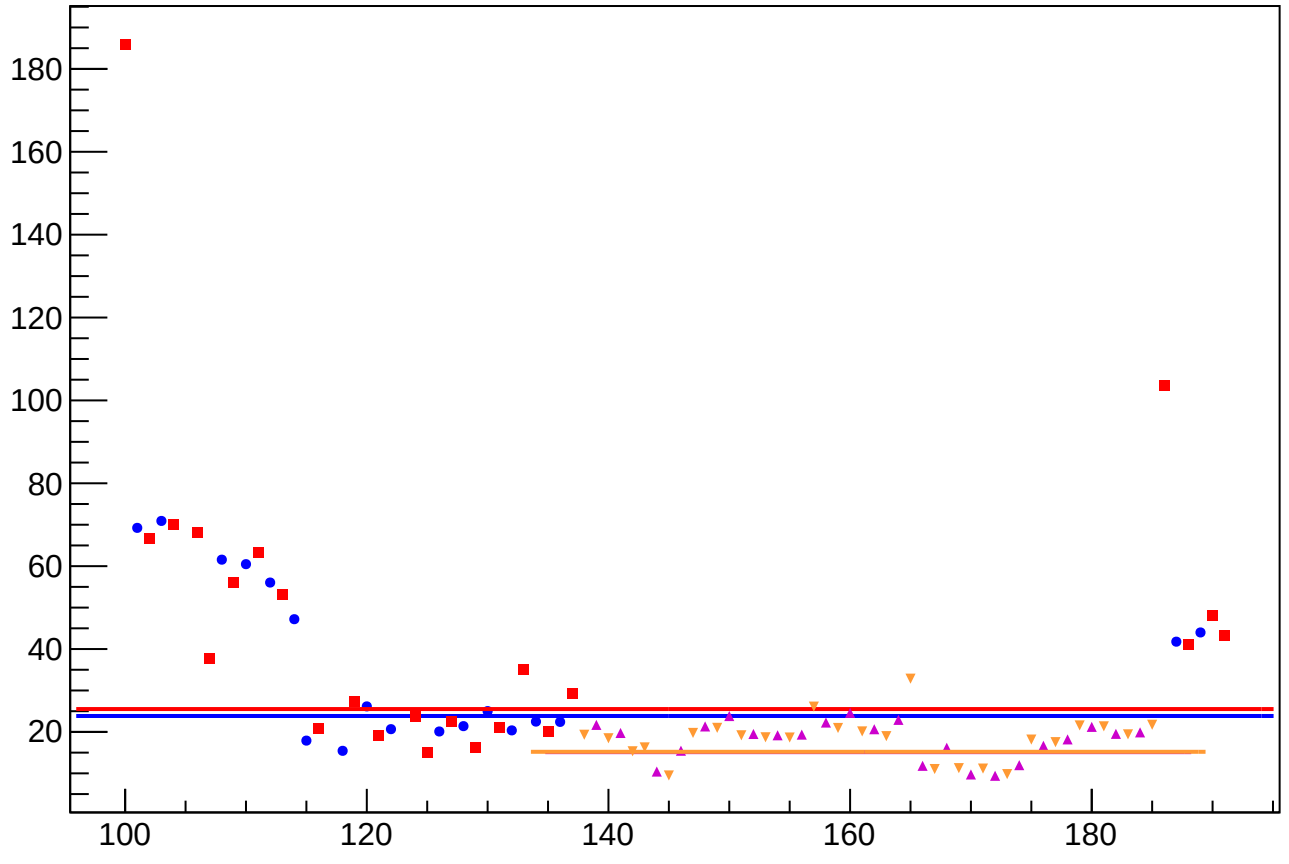
Right Out: -0.005+/-0.010 χ^2/NDF: 25.7/22

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: 93.7/88

- sign -0.003+/-0.004 χ^2/NDF: 52.7/45



Right In: 23.844+/-0.007 χ^2/NDF: 2699161.4/17

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

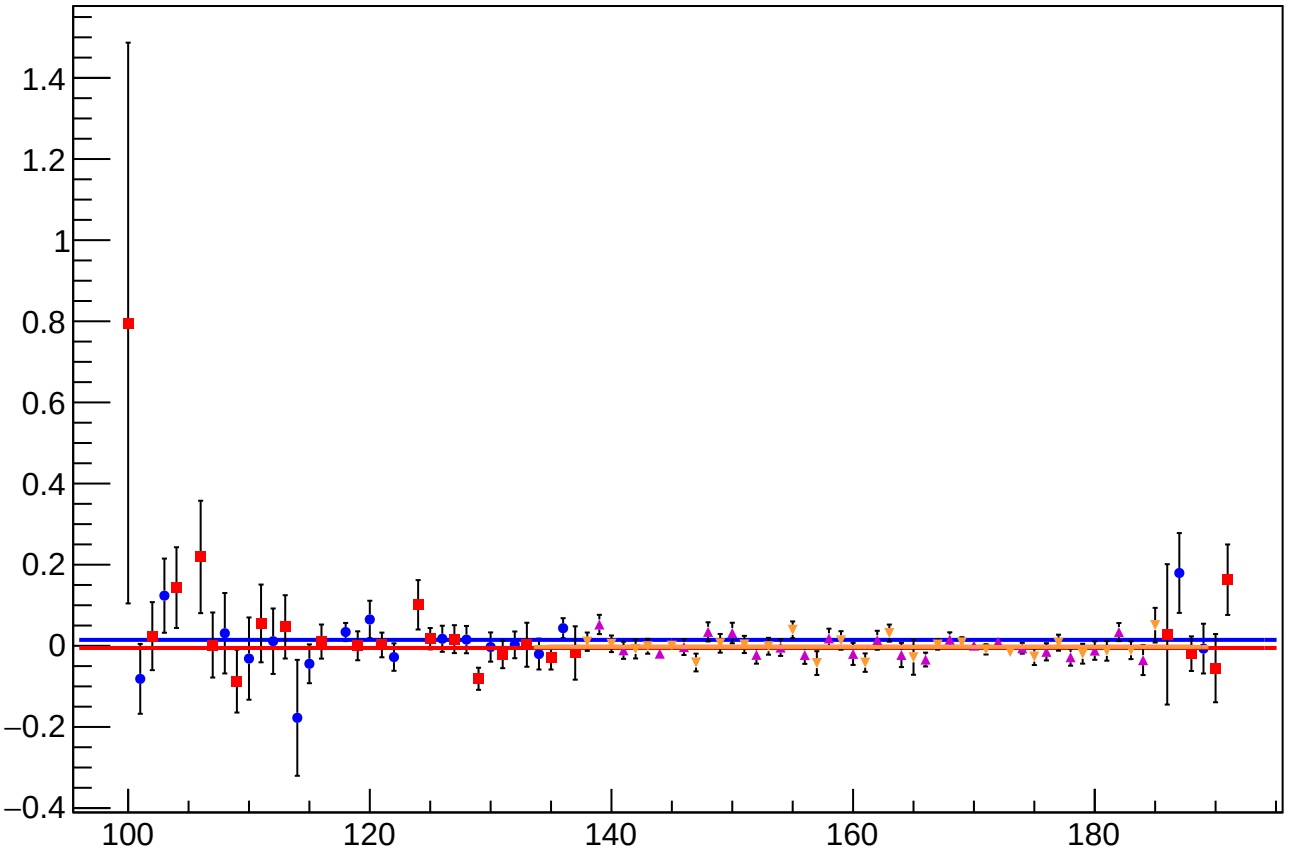
Right Out: 25.517+/-0.007 χ^2/NDF: 3856140.0/22

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

+ sign 16.307+/-0.002 χ^2/NDF: 7533009.8/42

All: 16.414+/-0.002 χ^2/NDF: 16800768.3/88

- sign 16.527+/-0.003 χ^2/NDF: 9263824.7/45



Right In: 0.015+/-0.010 χ^2/NDF: 15.3/17

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

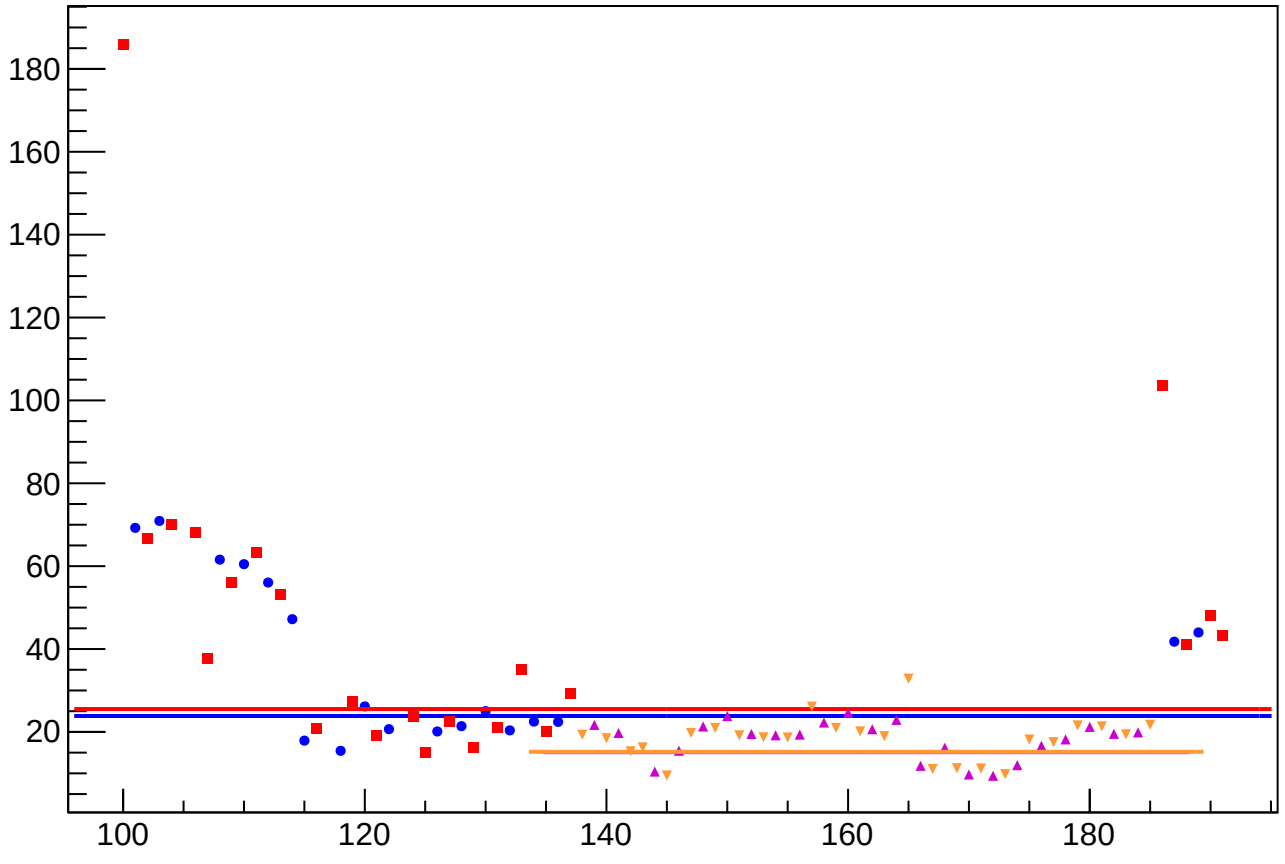
Right Out: -0.005+/-0.010 χ^2/NDF: 25.7/22

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: 93.7/88

- sign -0.003+/-0.004 χ^2/NDF: 52.7/45



Right In: 23.844+/-0.007 χ^2/NDF: 2699161.4/17

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

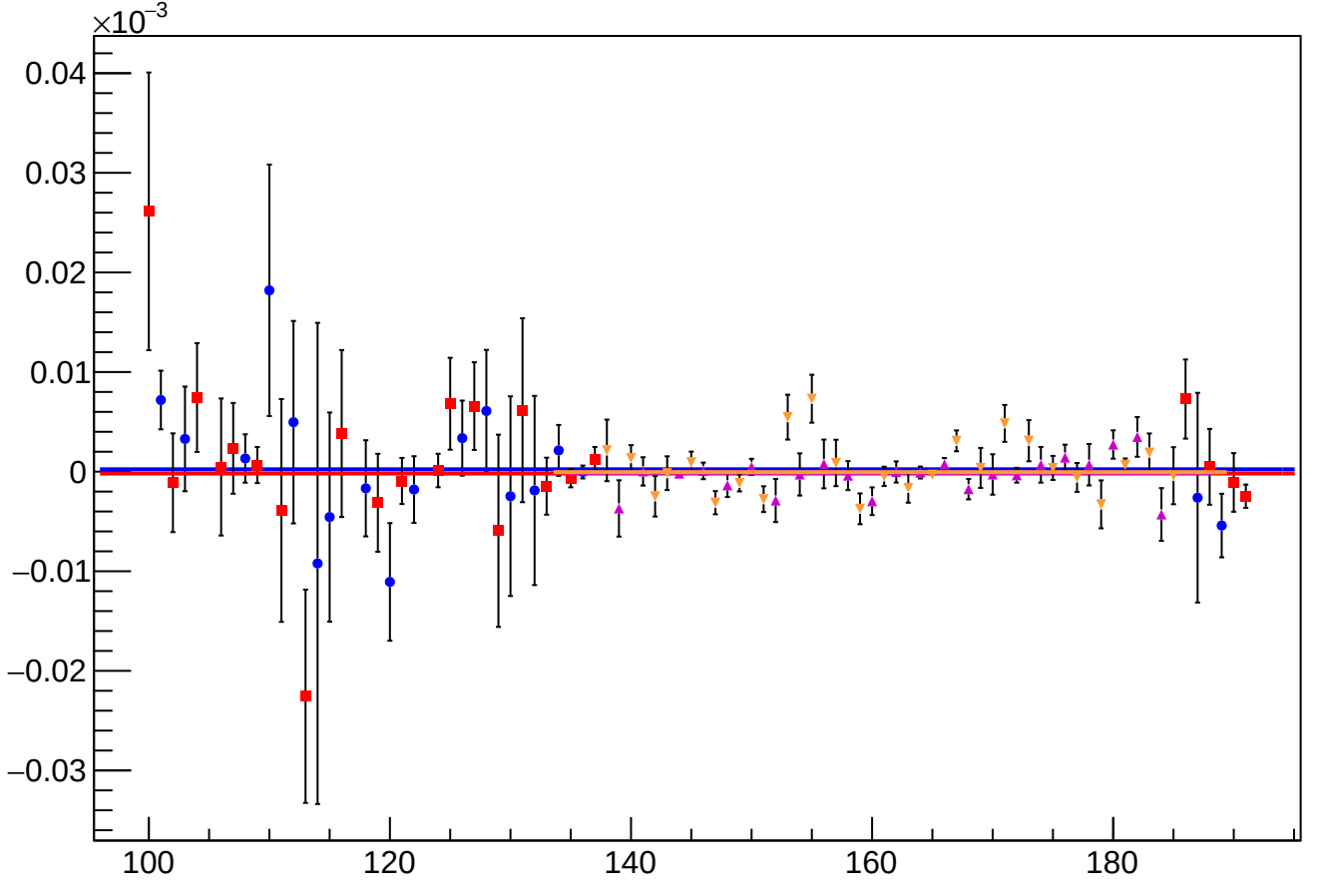
Right Out: 25.517+/-0.007 χ^2/NDF: 3856140.0/22

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

\+ sign 16.307+/-0.002 χ^2/NDF: 7533009.8/42

All: 16.414+/-0.002 χ^2/NDF: 16800768.3/88

\- sign 16.527+/-0.003 χ^2/NDF: 9263824.7/45



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

Left Out: -0.000+/-0.000 χ^2/NDF:62.8/24

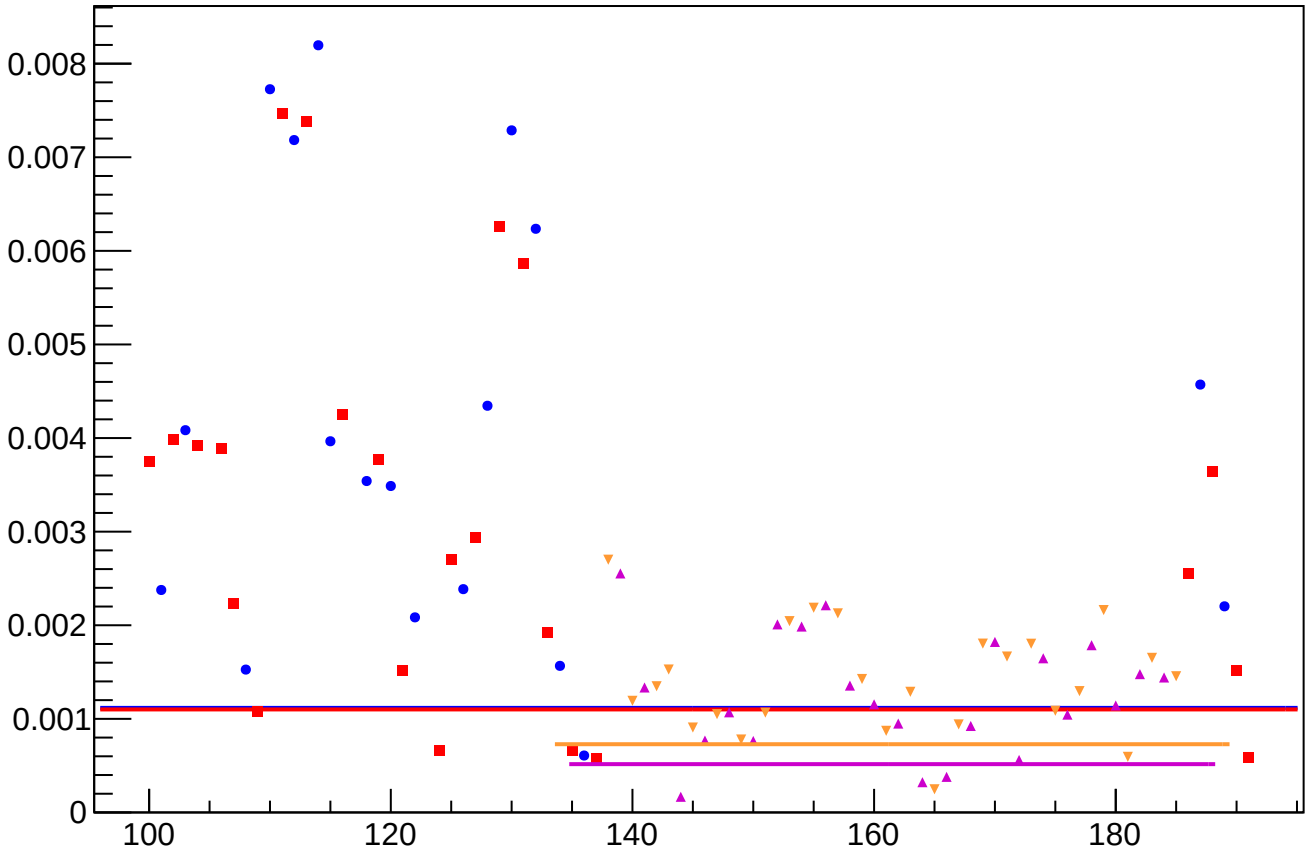
Right Out: -0.000+/-0.000 χ^2/NDF: 25.9/22

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: 133.2/88

- sign -0.000+/-0.000 χ^2/NDF: 51.3/45



Right In: 0.001+/-0.000 χ^2/NDF: 7503829.2/17

Left Out: 0.001+/-0.000 χ^2/NDF:13120515.6/24

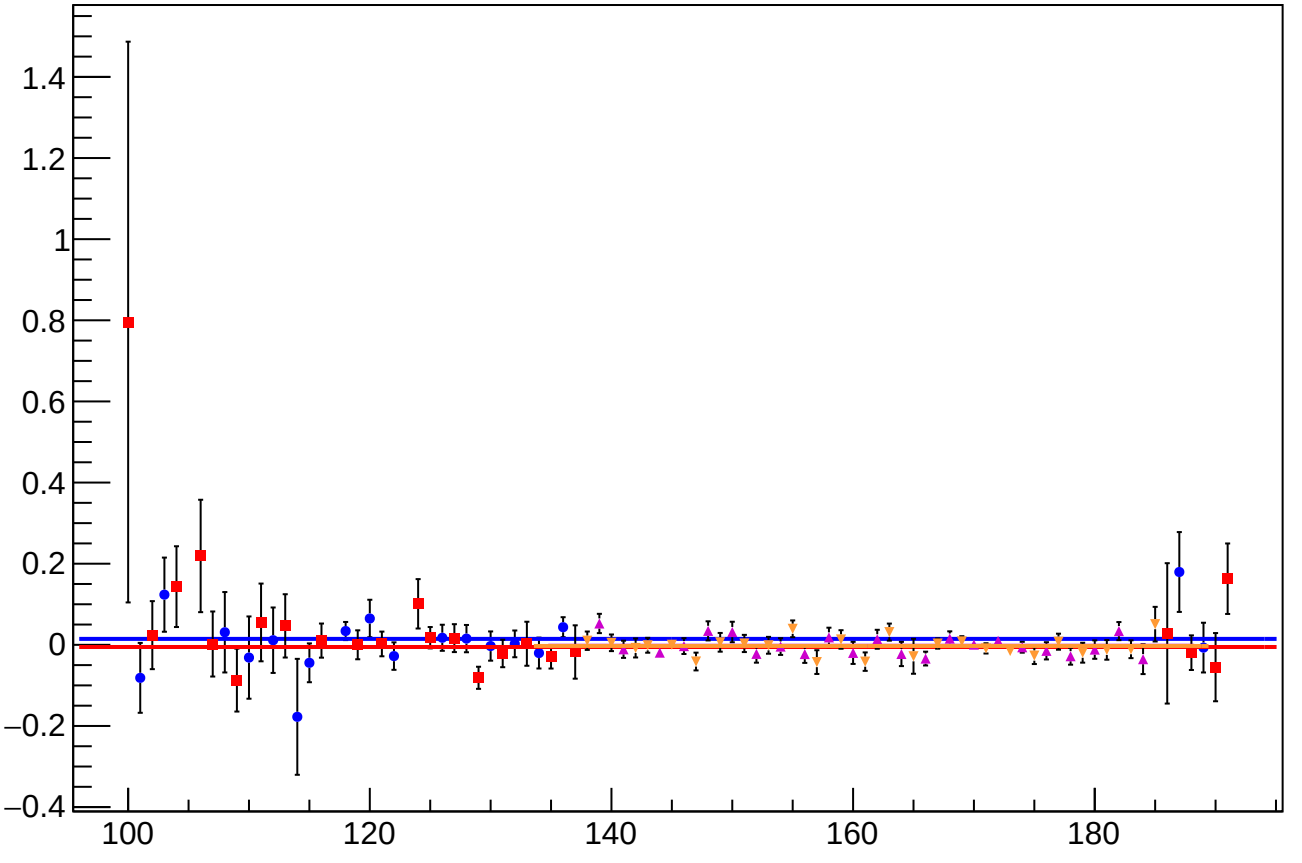
Right Out: 0.001+/-0.000 χ^2/NDF: 8376655.5/22

Left In: 0.001+/-0.000 χ^2/NDF:15027708.0/22

+ sign 0.001+/-0.000 χ^2/NDF: 21490100.0/42

All: 0.001+/-0.000 χ^2/NDF: 48552272.0/88

- sign 0.001+/-0.000 χ^2/NDF: 25879612.8/45



Right In: 0.015+/-0.010 χ^2/NDF: 15.3/17

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

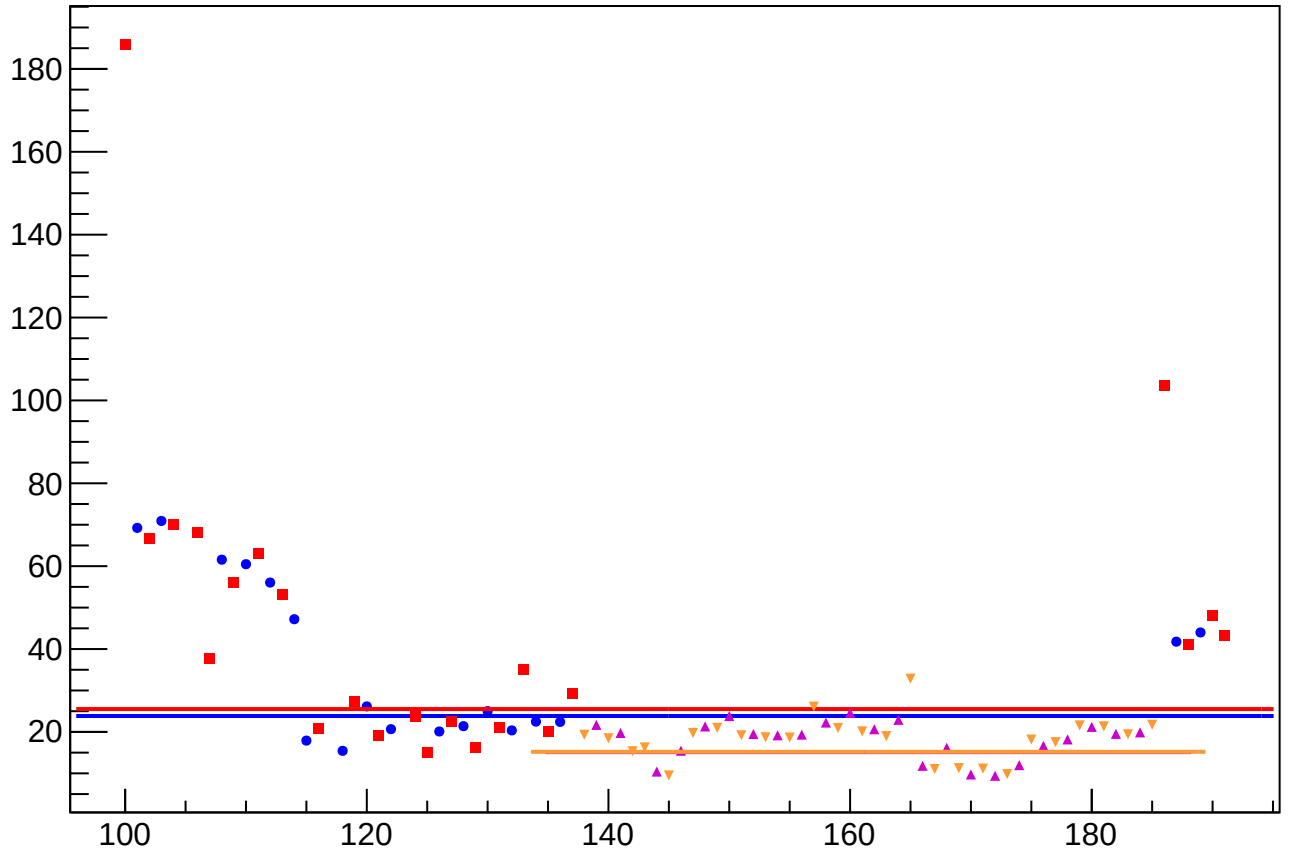
Right Out: -0.005+/-0.010 χ^2/NDF: 25.7/22

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: 93.7/88

- sign -0.003+/-0.004 χ^2/NDF: 52.7/45



Right In: 23.843+/-0.007 χ^2/NDF: 2699240.7/17

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

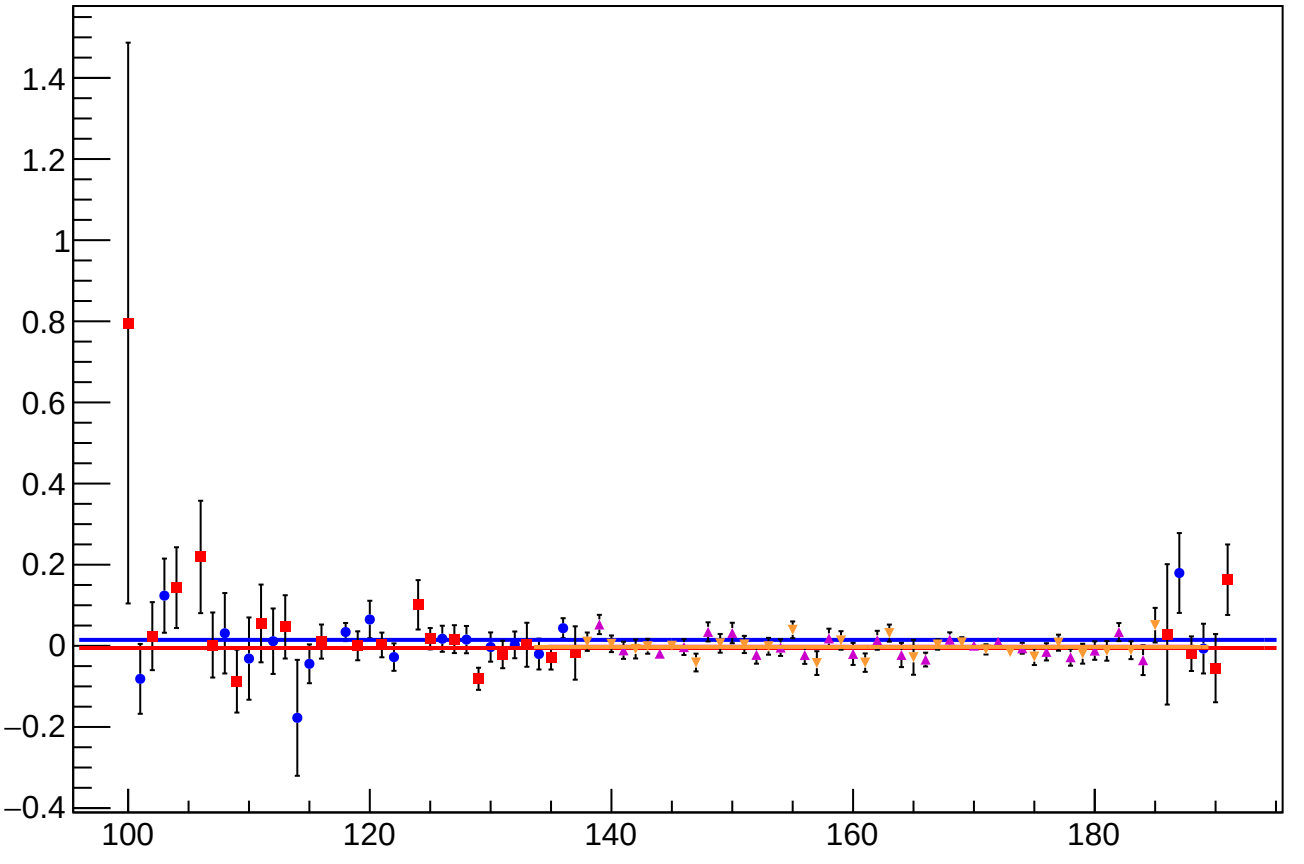
Right Out: 25.517+/-0.007 χ^2/NDF: 3856171.2/22

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

+ sign 16.307+/-0.002 χ^2/NDF: 7532865.0/42

All: 16.414+/-0.002 χ^2/NDF: 16800494.3/88

- sign 16.527+/-0.003 χ^2/NDF: 9263692.3/45



Right In: 0.015+/-0.010 χ^2/NDF: 15.3/17

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

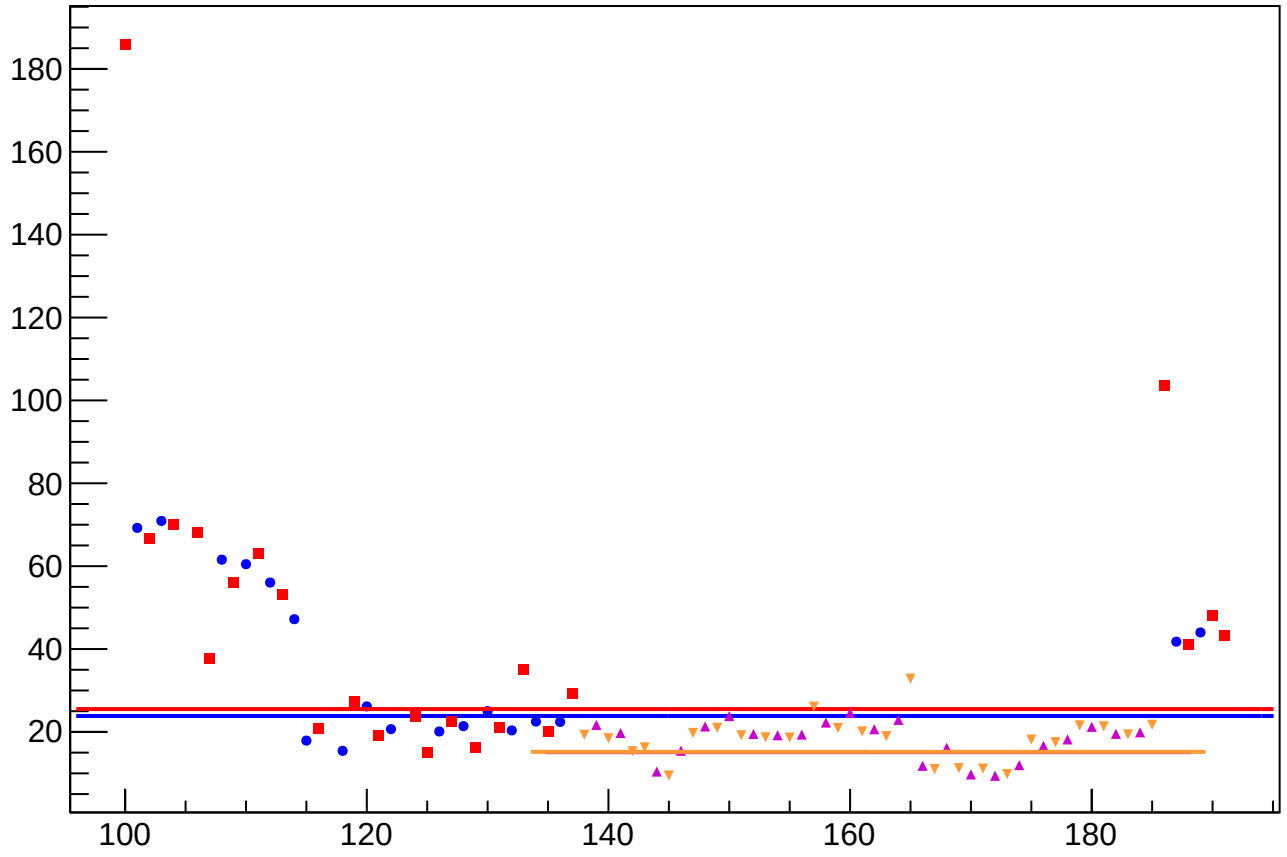
Right Out: -0.005+/-0.010 χ^2/NDF: 25.7/22

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: 93.7/88

- sign -0.003+/-0.004 χ^2/NDF: 52.7/45



Right In: 23.843+/-0.007 χ^2/NDF: 2699240.7/17

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

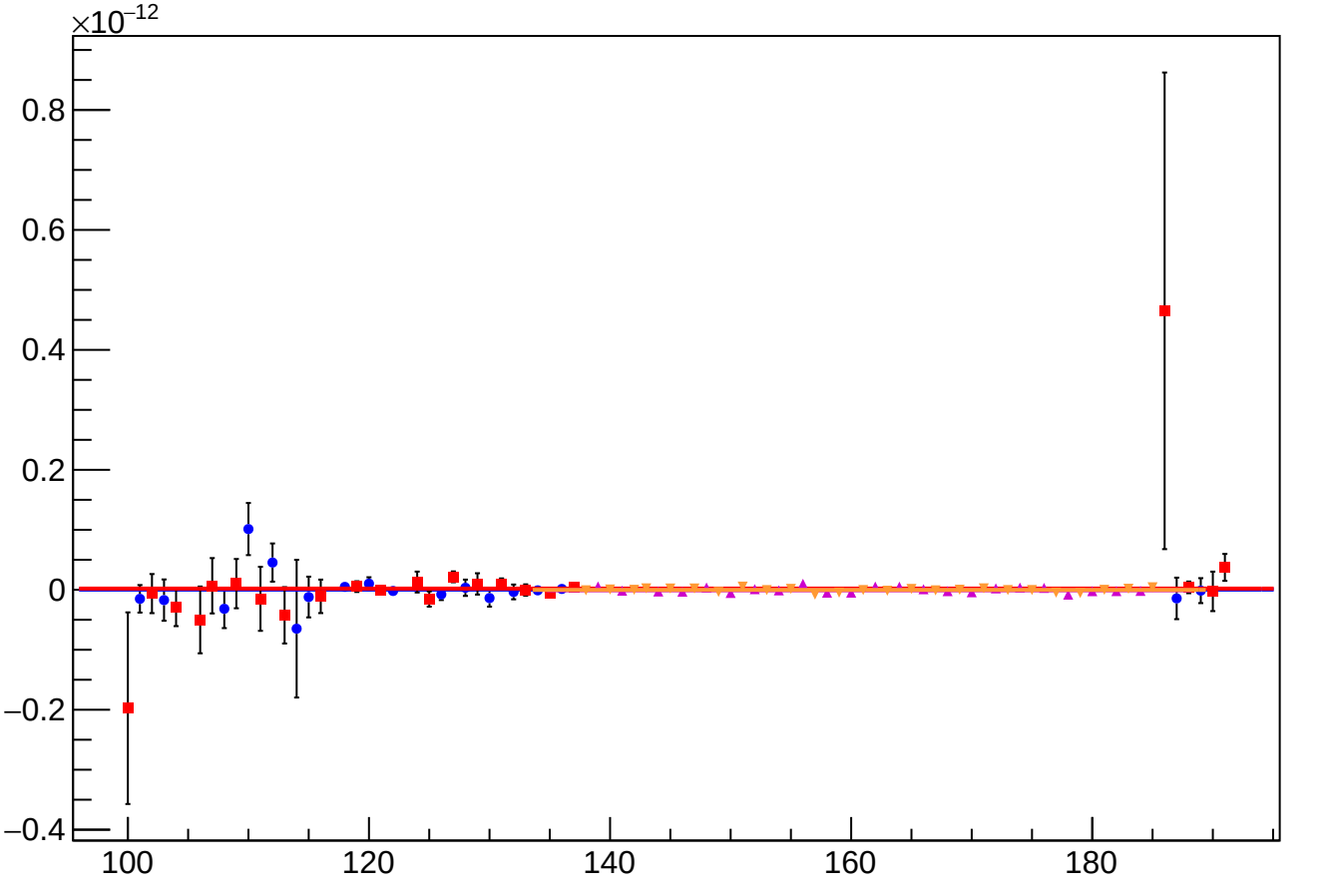
Right Out: 25.517+/-0.007 χ^2/NDF: 3856171.2/22

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

+ sign 16.307+/-0.002 χ^2/NDF: 7532865.0/42

All: 16.414+/-0.002 χ^2/NDF: 16800494.3/88

- sign 16.527+/-0.003 χ^2/NDF: 9263692.3/45



Right In: 0.000+/-0.000 χ^2/NDF: 13.1/17

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/24

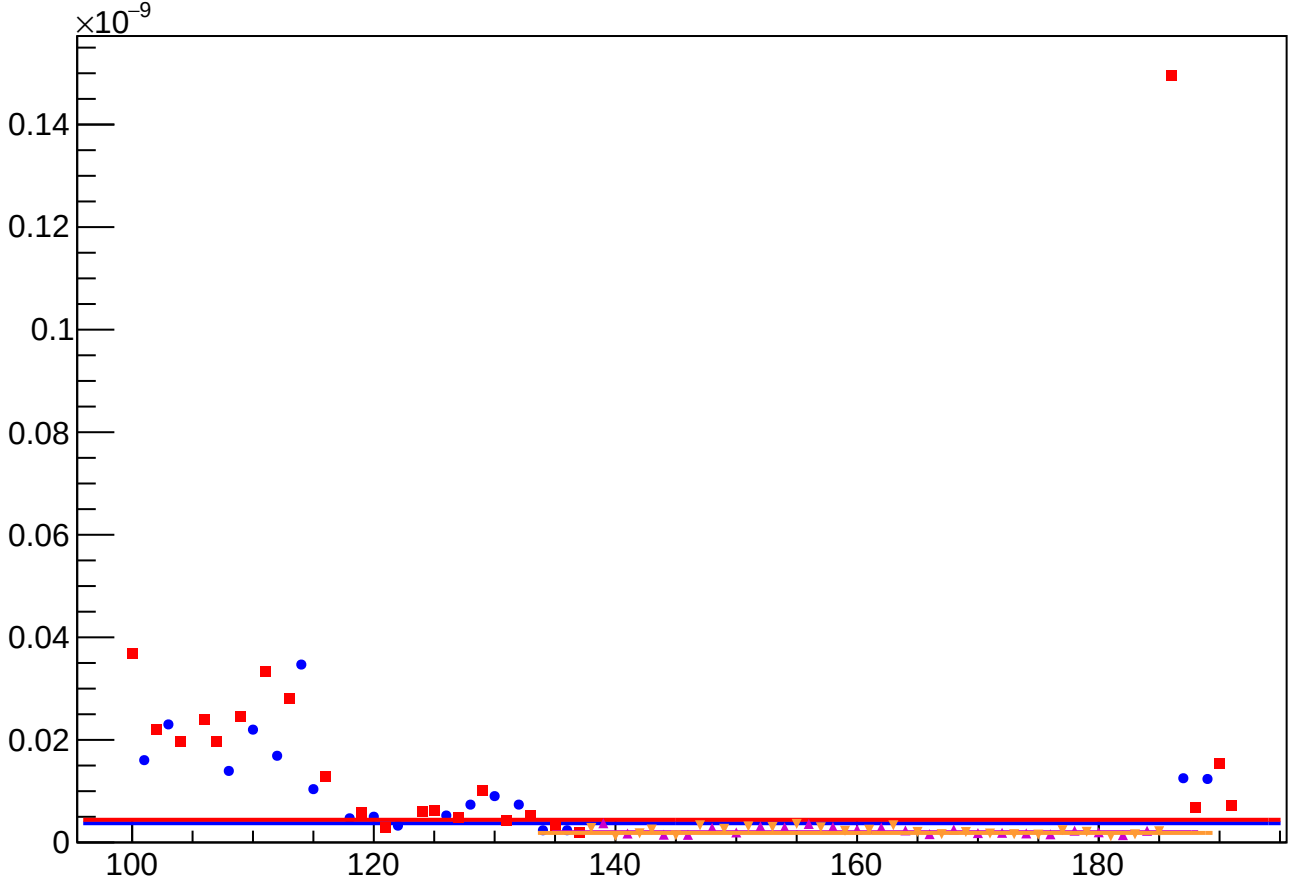
Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/22

Left In: -0.000+/-0.000 χ^2/NDF:39.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 34.6/42

All: -0.000+/-0.000 χ^2/NDF: 95.4/88

- sign -0.000+/-0.000 χ^2/NDF: 60.5/45



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: 5111426.6/22

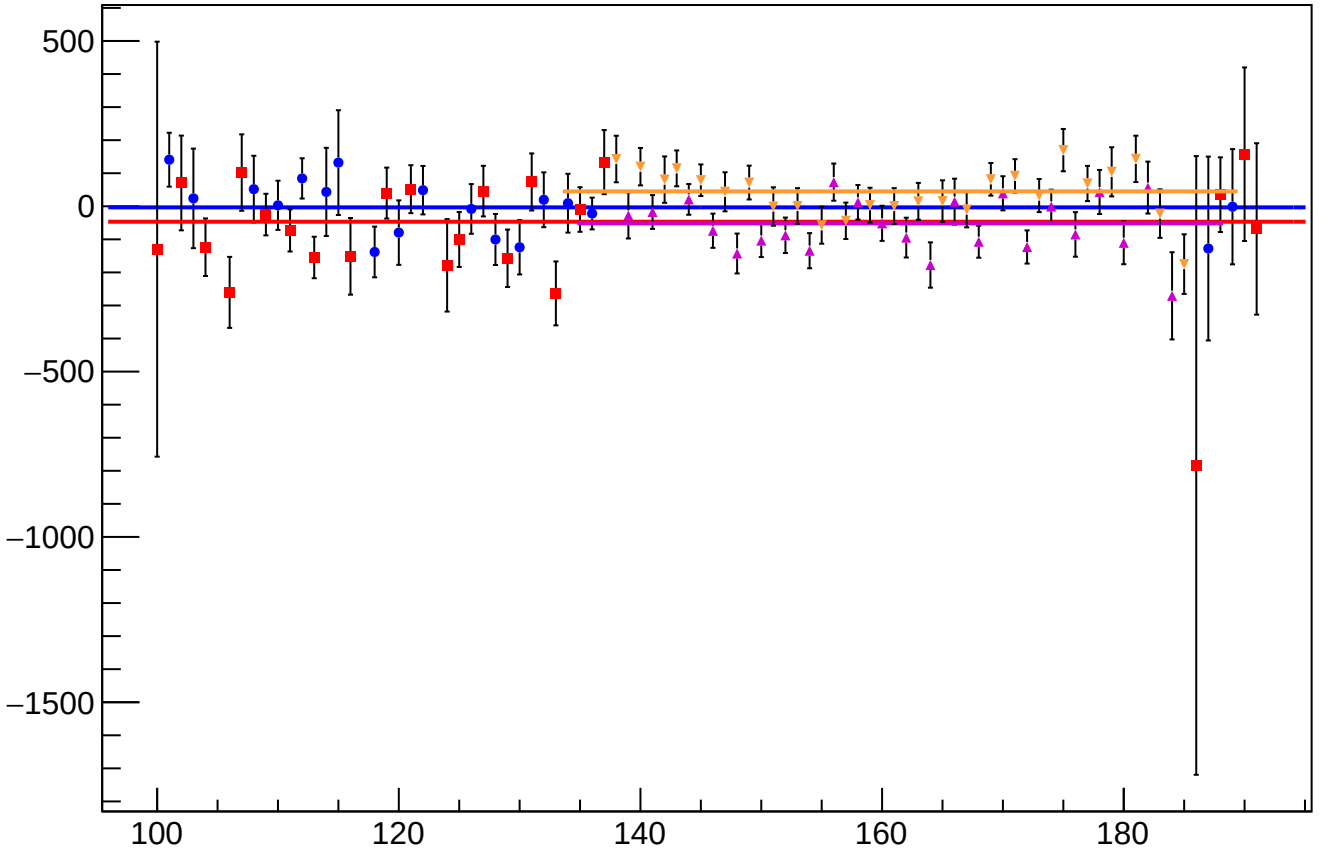
Left In: 0.000+/-0.000 χ^2/NDF:1948585.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8318237.8/42

All: 0.000+/-0.000 χ^2/NDF: 17602008.1/88

- sign 0.000+/-0.000 χ^2/NDF: 9183385.5/45

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: -46.650+/-19.222 χ^2/NDF: 31.1/22

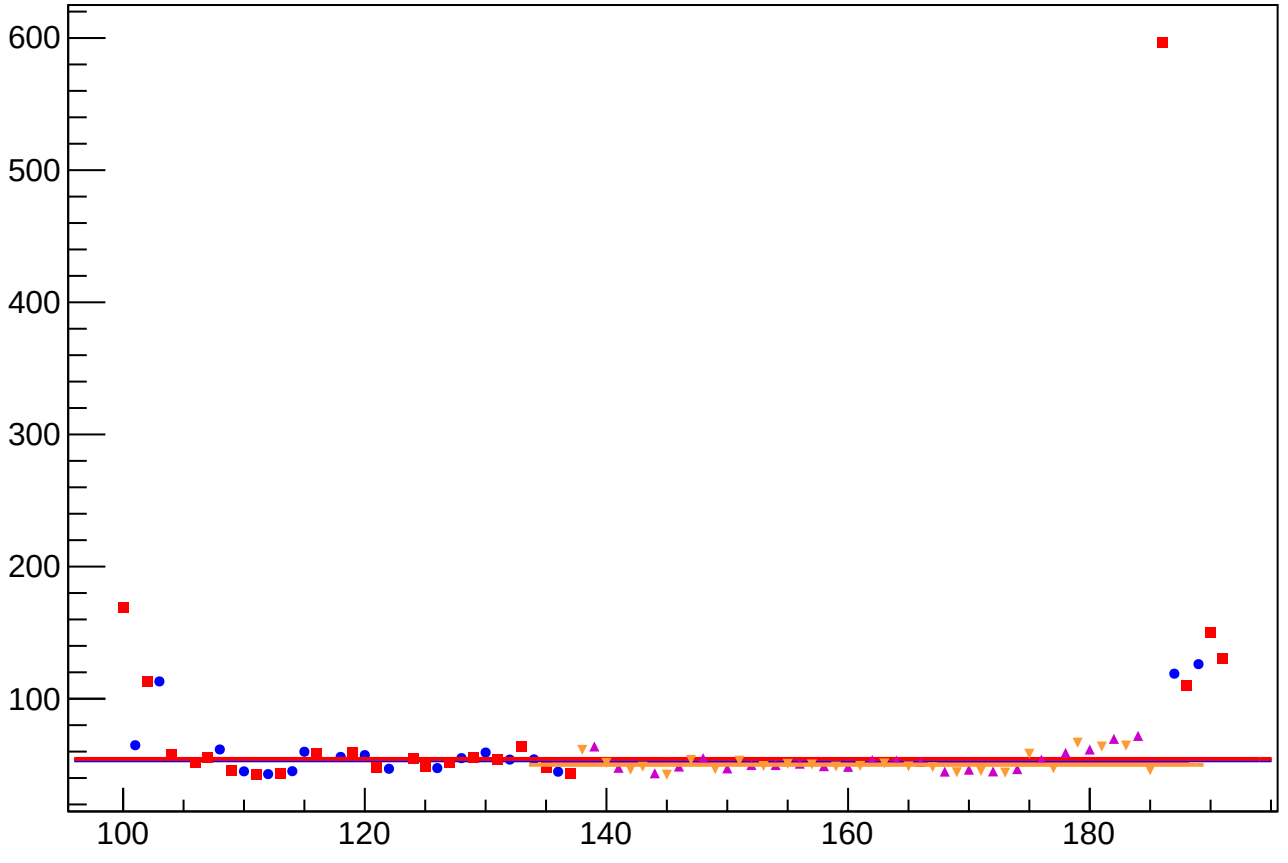
Left In: -51.616+/-11.929 χ^2/NDF:35.9/22

+ sign 32.924+/-9.943 χ^2/NDF: 50.6/42

All: -7.856+/-7.098 χ^2/NDF: 151.9/88

- sign -50.235+/-10.136 χ^2/NDF: 67.0/45

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: 54.441+/-0.014 χ^2/NDF: 2280248.5/22

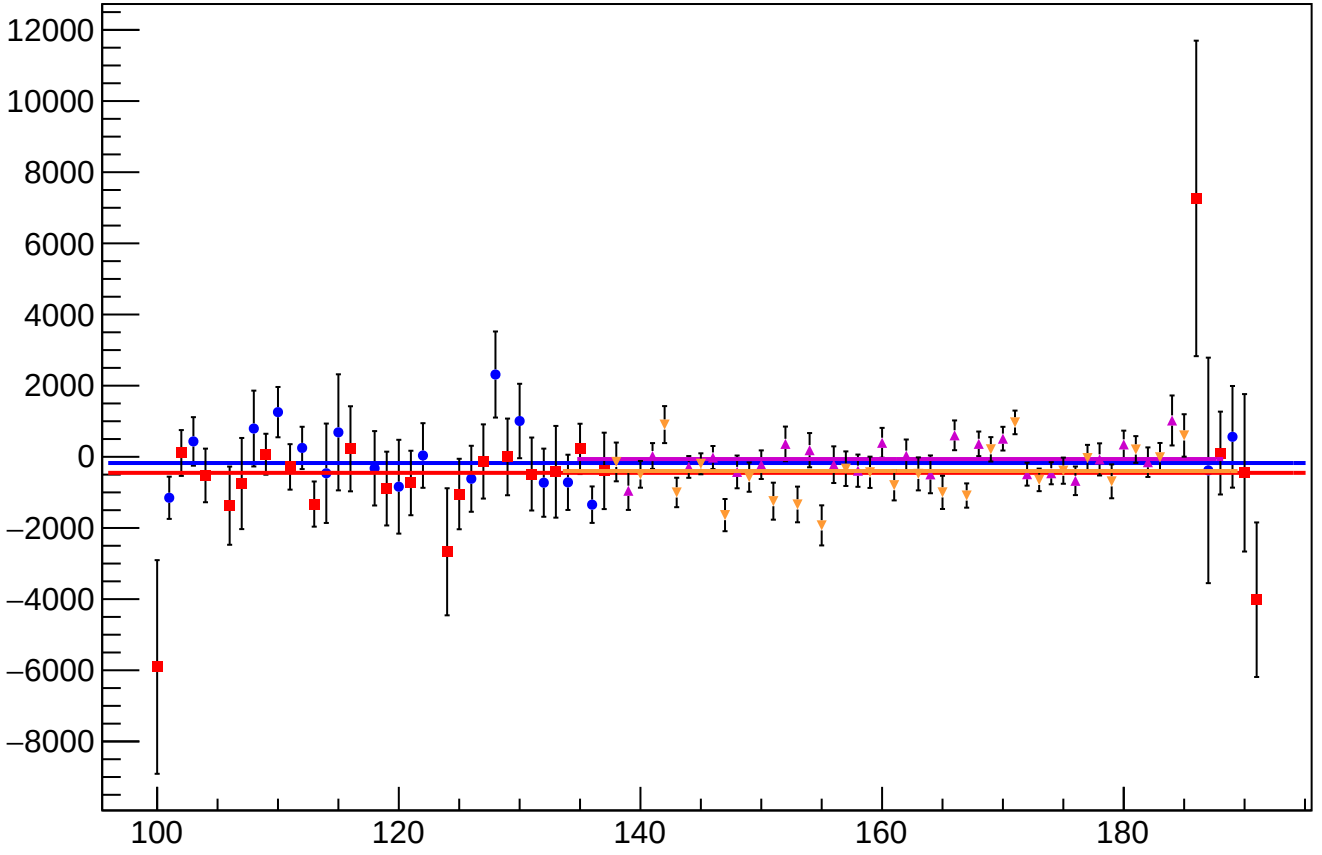
Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 50.878+/-0.007 χ^2/NDF: 1584297.1/42

All: 51.234+/-0.005 χ^2/NDF: 4433518.0/88

- sign 51.605+/-0.007 χ^2/NDF: 2843987.4/45

asym_sam_1357_avg_reg_correction_mean vs Slug



Right In: -174.156+/-203.289 χ^2/NDF: 21.6/17

Left Out: -399.363+/-82.064 χ^2/NDF:65.4/24

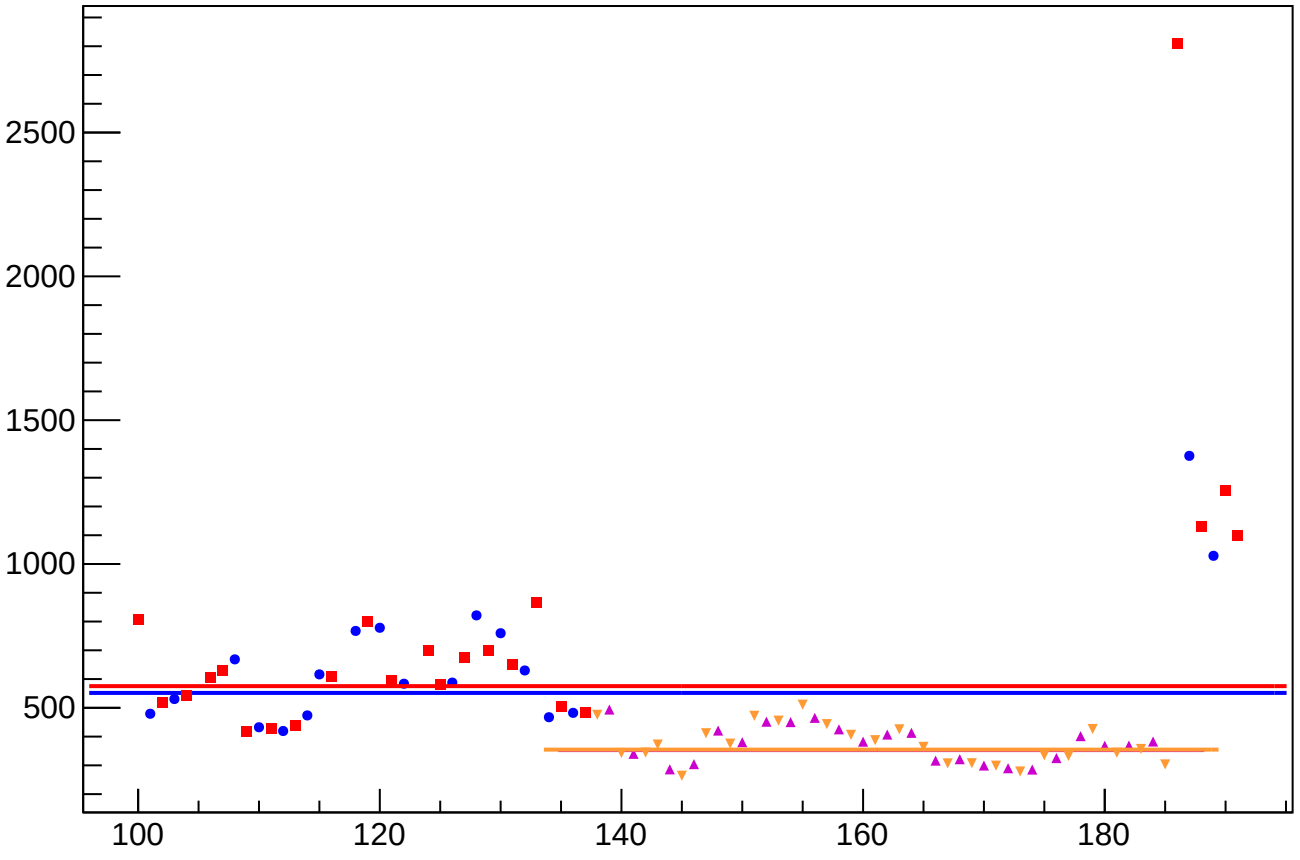
Right Out: -450.584+/-198.995 χ^2/NDF: 17.3/22

Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

\+ sign -367.806+/-76.097 χ^2/NDF: 88.1/42

All: -246.183+/-54.230 χ^2/NDF: 137.7/88

\- sign -120.673+/-77.303 χ^2/NDF: 44.4/45



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: 575.428+/-0.141 χ^2/NDF: 1956768.0/22

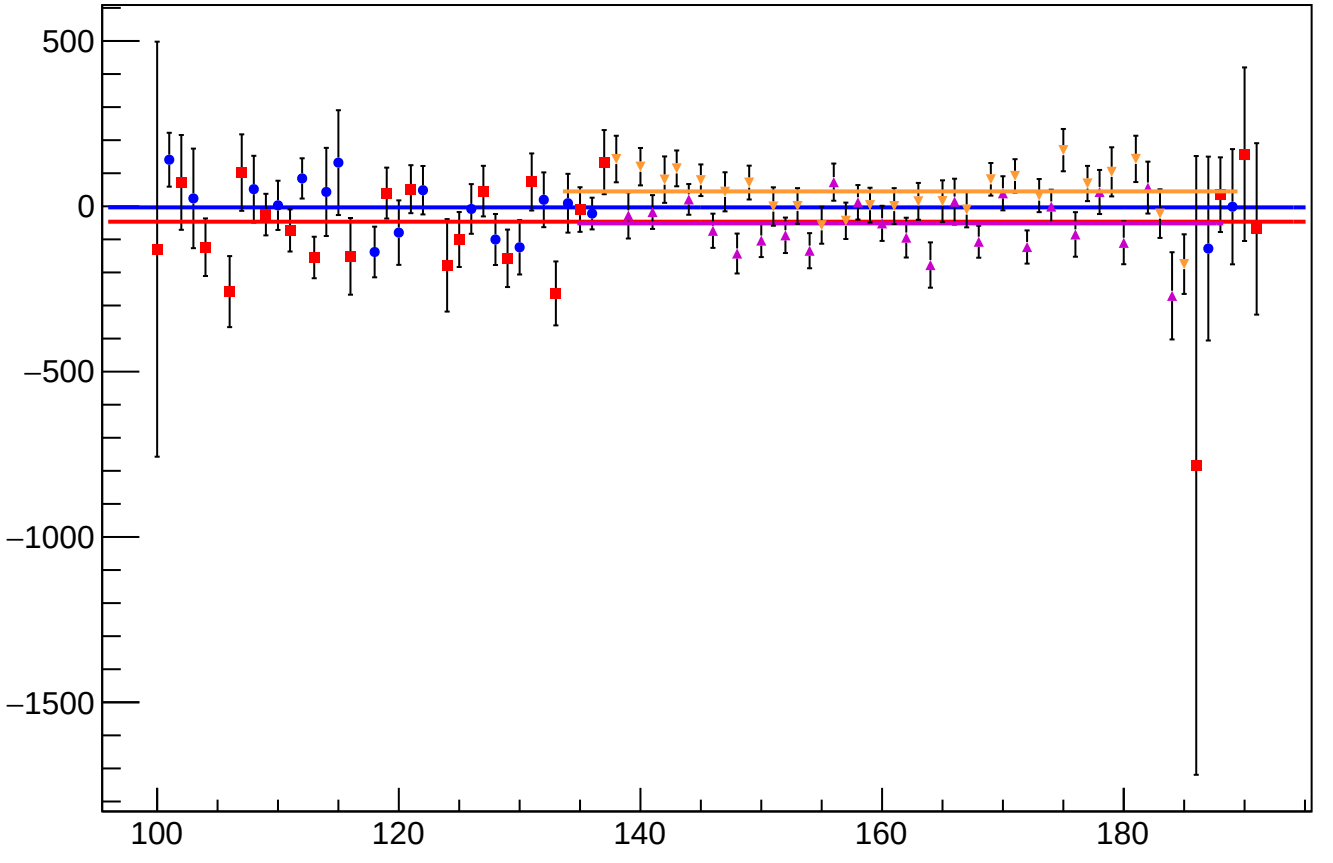
Left In: 353.110+/-0.059 χ^2/NDF:1004127.0/22

+ sign 382.297+/-0.054 χ^2/NDF: 3743490.5/42

All: 384.444+/-0.038 χ^2/NDF: 8827208.2/88

- sign 386.660+/-0.055 χ^2/NDF: 5080483.0/45

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: -46.537+/-19.223 χ^2/NDF: 31.1/22

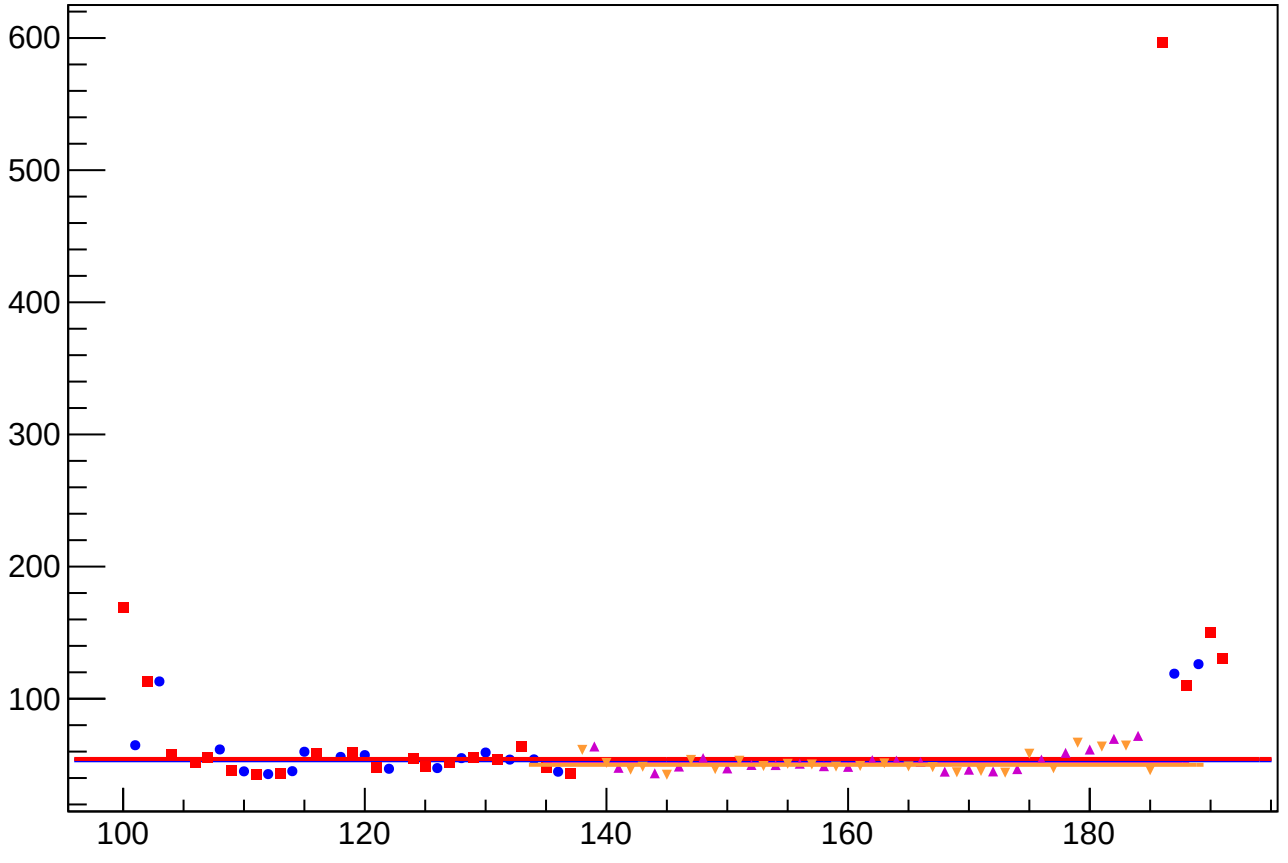
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 32.926+/-9.943 χ^2/NDF: 50.6/42

All: -7.839+/-7.098 χ^2/NDF: 151.8/88

- sign -50.204+/-10.136 χ^2/NDF: 67.0/45

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

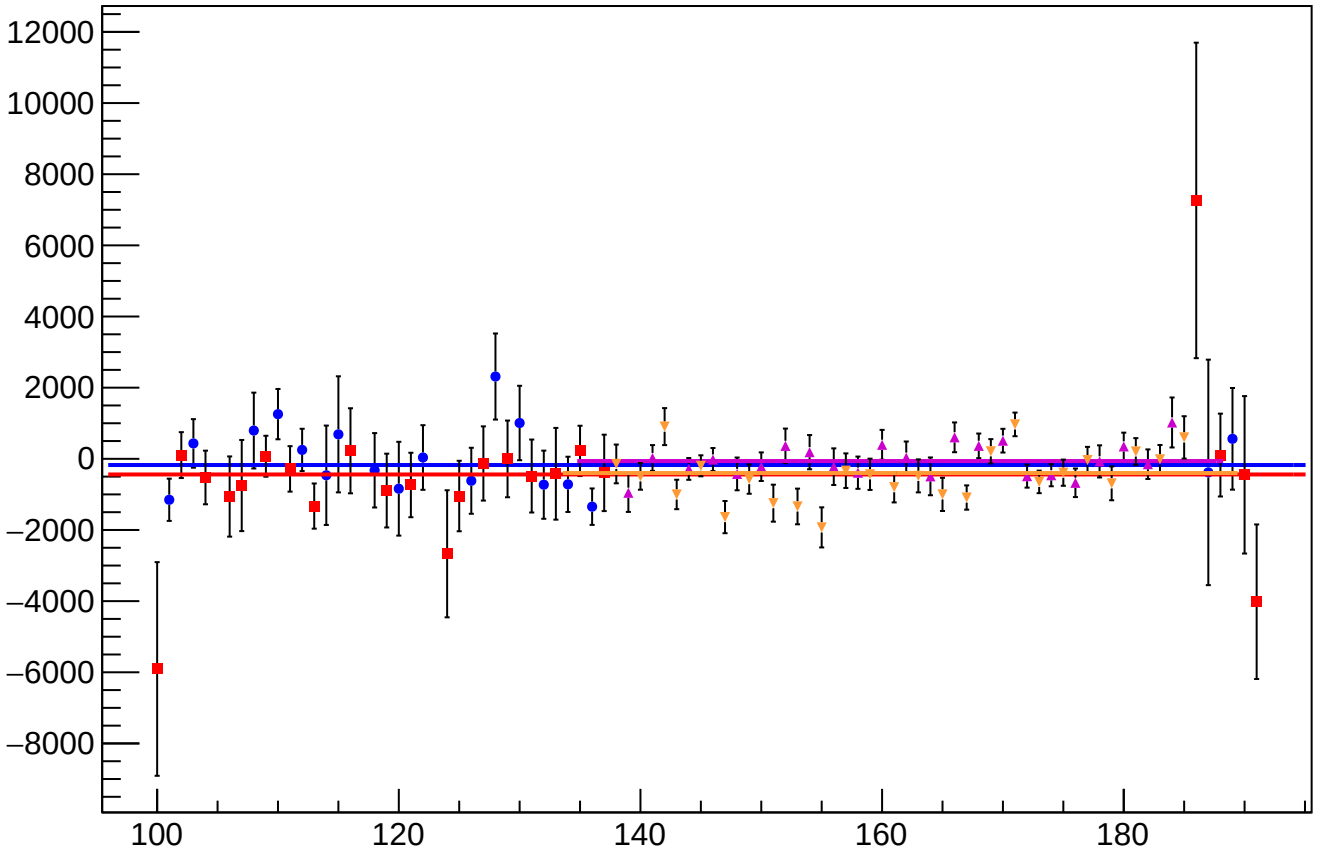
Right Out: 54.432+/-0.014 χ^2/NDF: 2280775.6/22

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 50.878+/-0.007 χ^2/NDF: 1584299.4/42

All: 51.233+/-0.005 χ^2/NDF: 4433706.8/88

- sign 51.602+/-0.007 χ^2/NDF: 2844213.5/45



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: -439.754+/-199.174 χ^2/NDF: 16.8/22

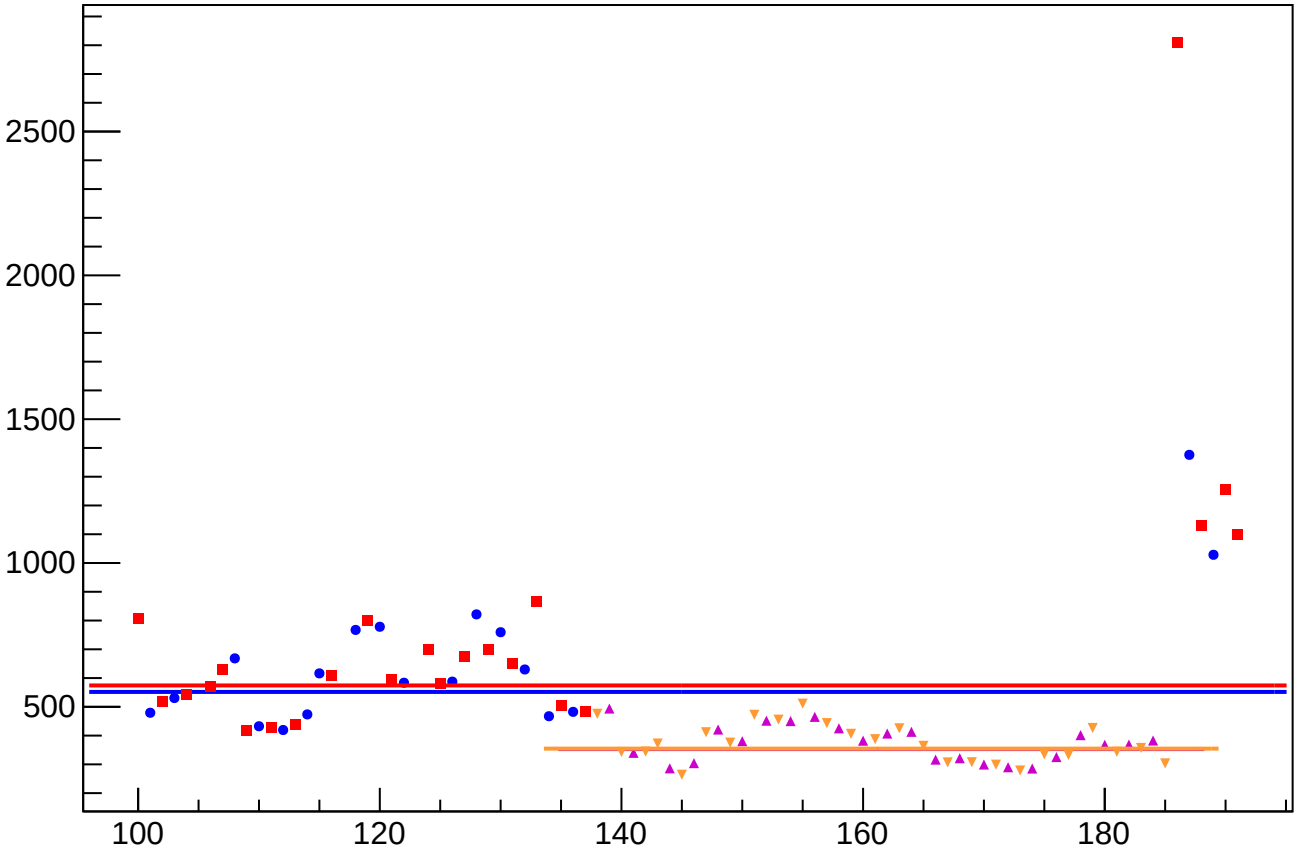
Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -367.800+/-76.097 χ^2/NDF: 88.1/42

All: -245.349+/-54.234 χ^2/NDF: 137.2/88

- sign -118.951+/-77.314 χ^2/NDF: 43.8/45

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: 574.328+/-0.141 χ^2/NDF: 1954886.8/22

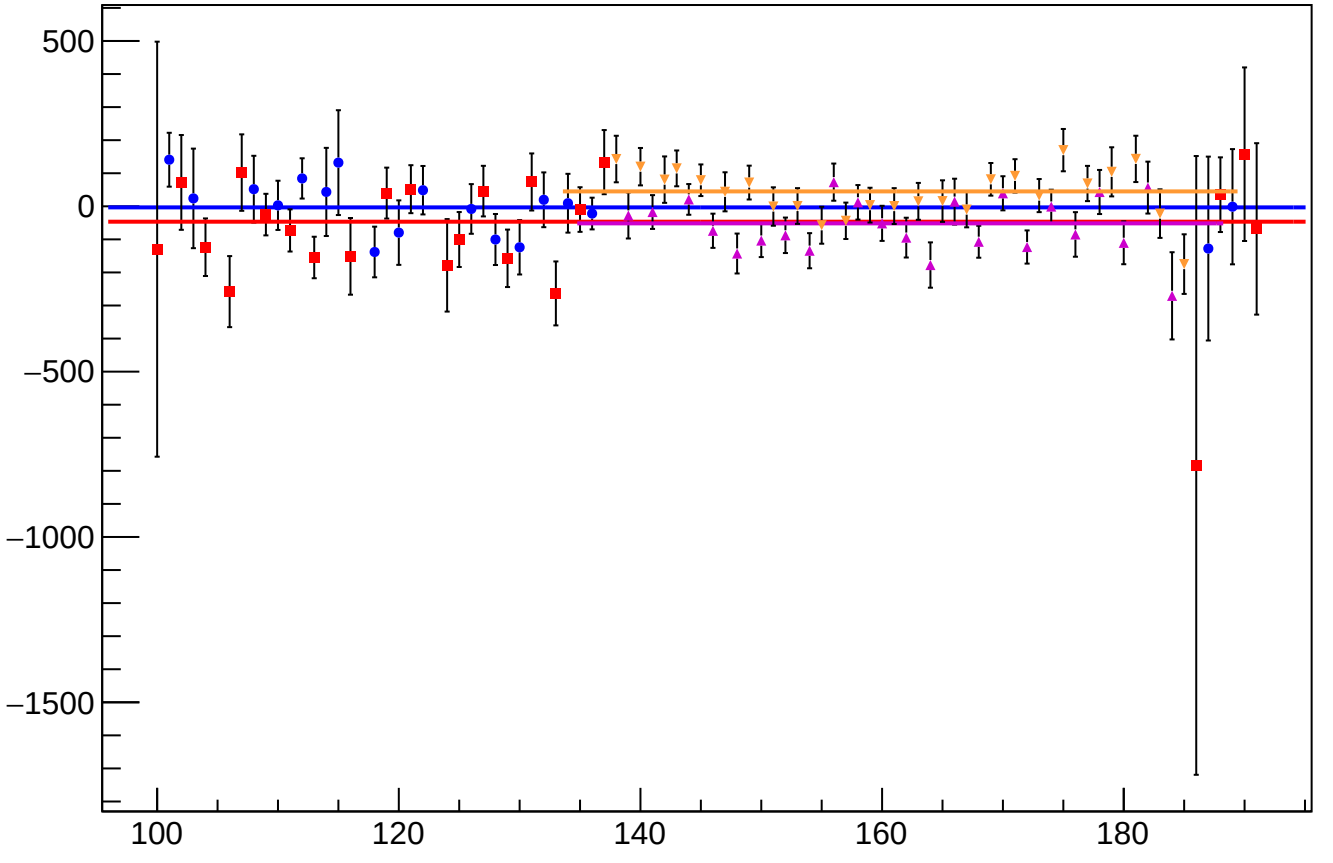
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

+ sign 382.297+/-0.054 χ^2/NDF: 3743547.6/42

All: 384.337+/-0.038 χ^2/NDF: 8800933.5/88

- sign 386.443+/-0.055 χ^2/NDF: 5054465.7/45

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: -46.537+/-19.223 χ^2/NDF: 31.1/22

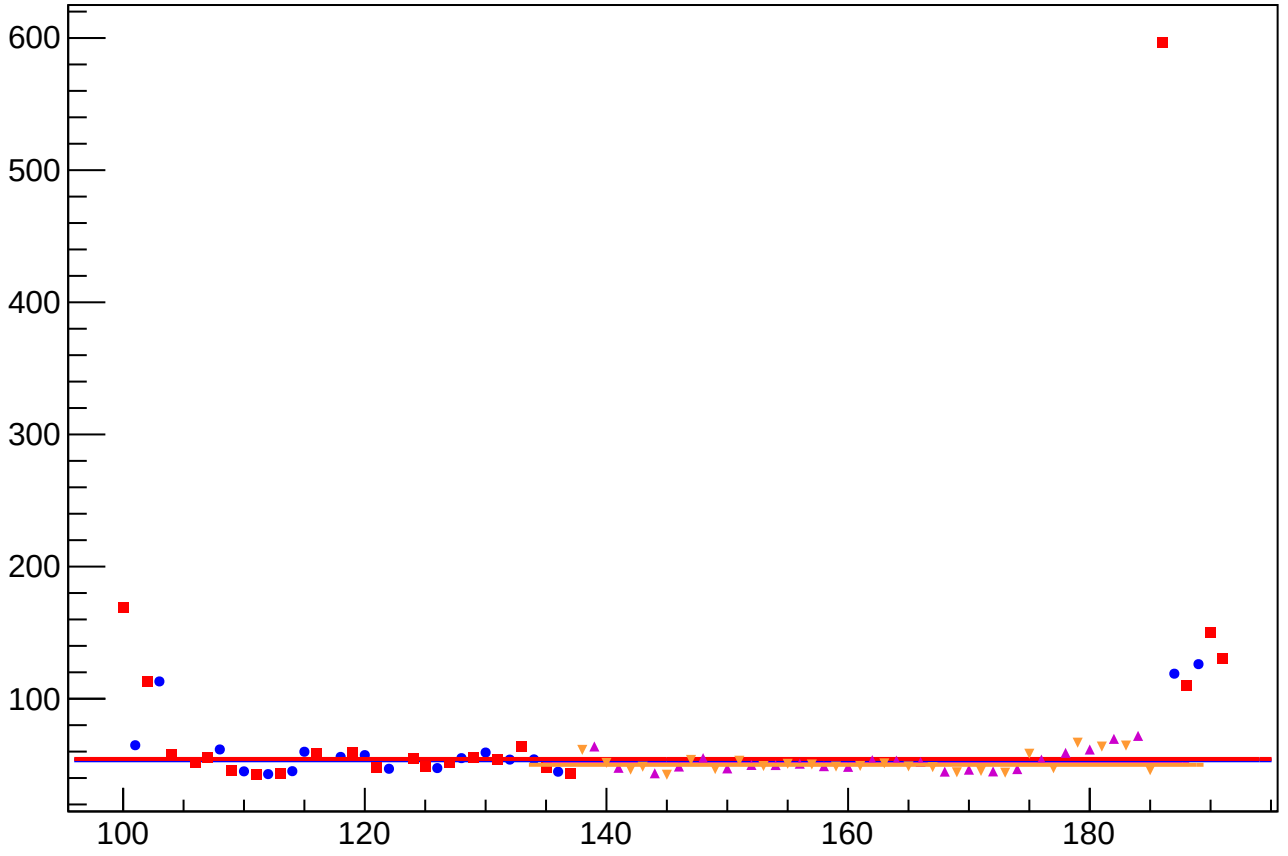
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 32.926+/-9.943 χ^2/NDF: 50.6/42

All: -7.839+/-7.098 χ^2/NDF: 151.8/88

- sign -50.204+/-10.136 χ^2/NDF: 67.0/45

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

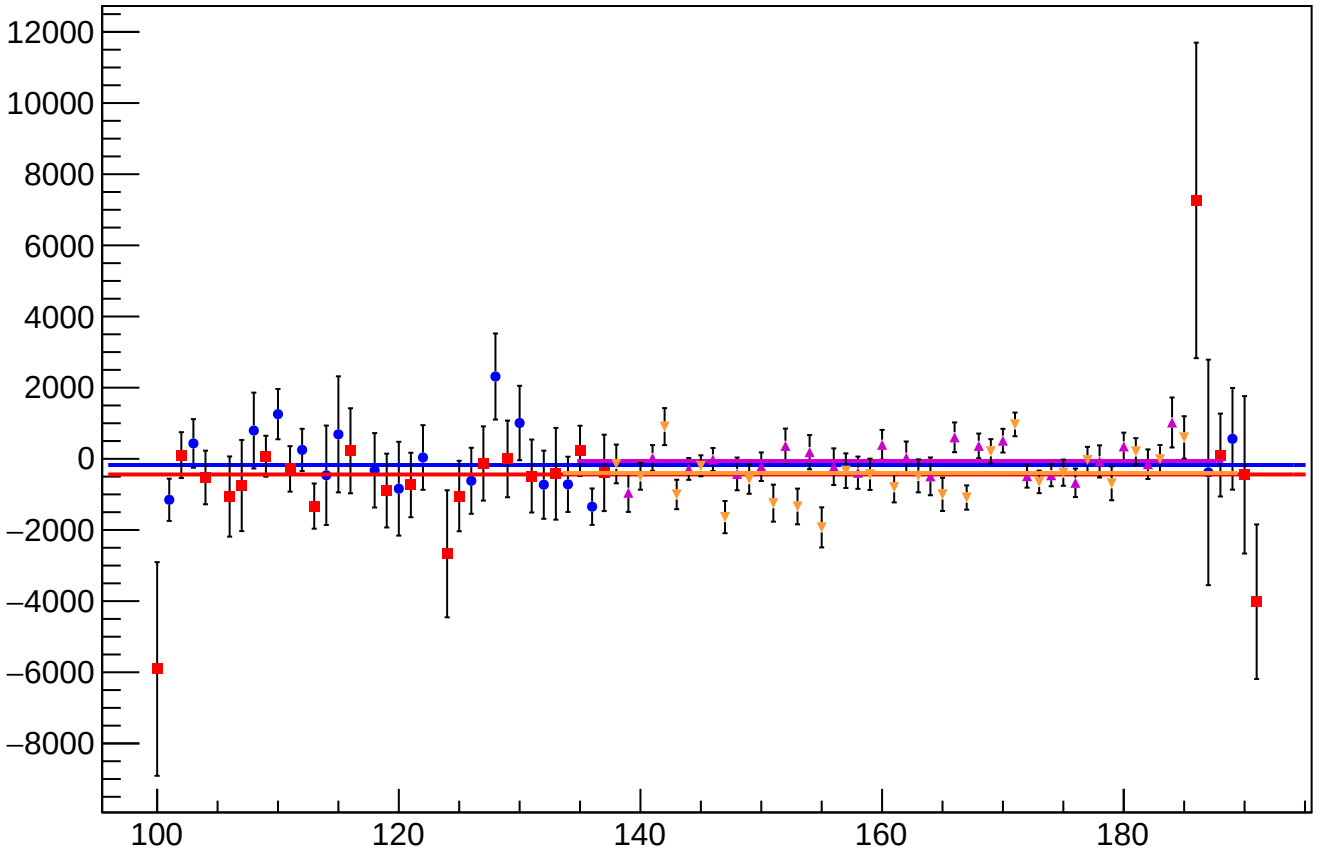
Right Out: 54.432+/-0.014 χ^2/NDF: 2280775.6/22

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 50.878+/-0.007 χ^2/NDF: 1584299.4/42

All: 51.233+/-0.005 χ^2/NDF: 4433706.8/88

- sign 51.602+/-0.007 χ^2/NDF: 2844213.5/45



Right In: -174.133+/-203.291 χ^2/NDF: 21.6/17

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

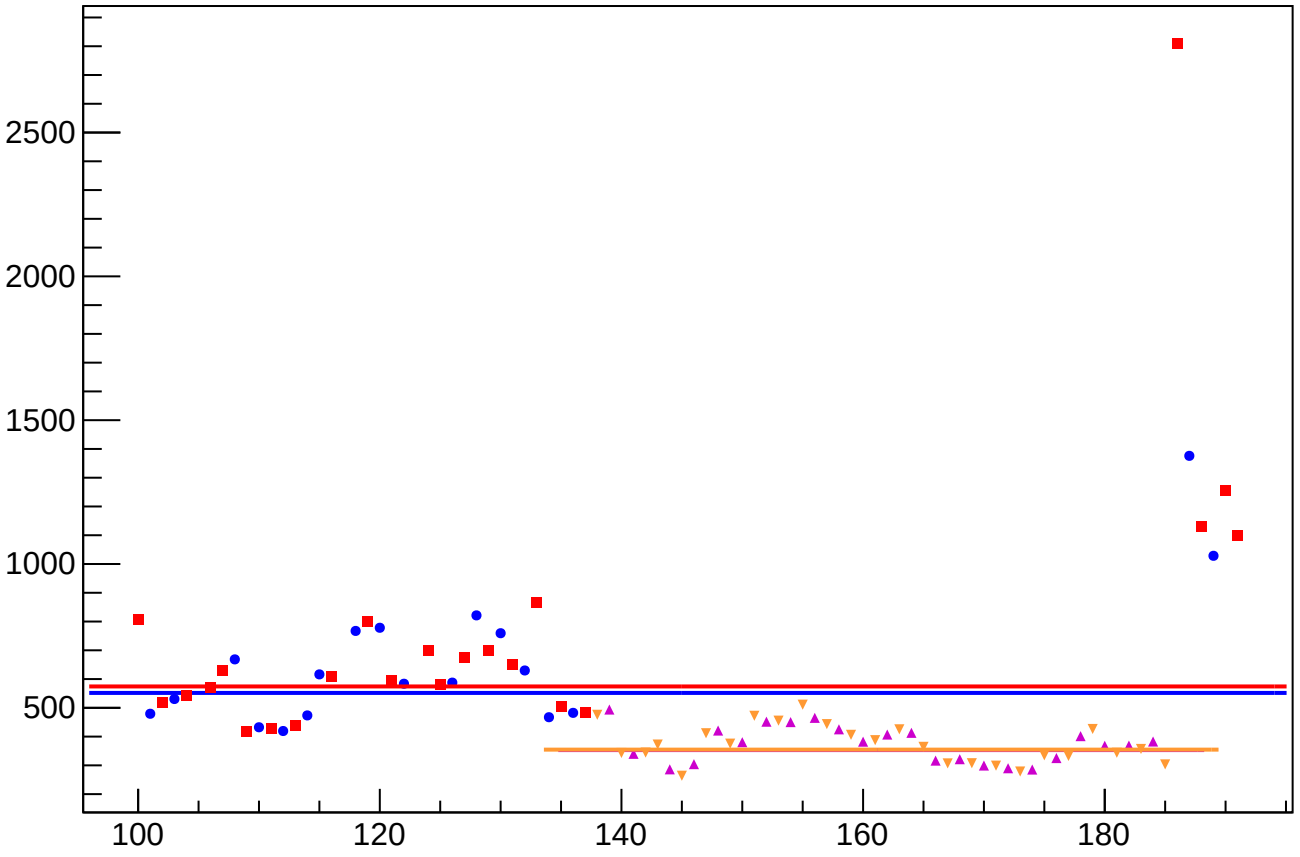
Right Out: -439.754+/-199.174 χ^2/NDF: 16.8/22

Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

\+ sign -367.800+/-76.097 χ^2/NDF: 88.1/42

All: -245.349+/-54.234 χ^2/NDF: 137.2/88

\- sign -118.951+/-77.314 χ^2/NDF: 43.8/45



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: 574.328+/-0.141 χ^2/NDF: 1954886.8/22

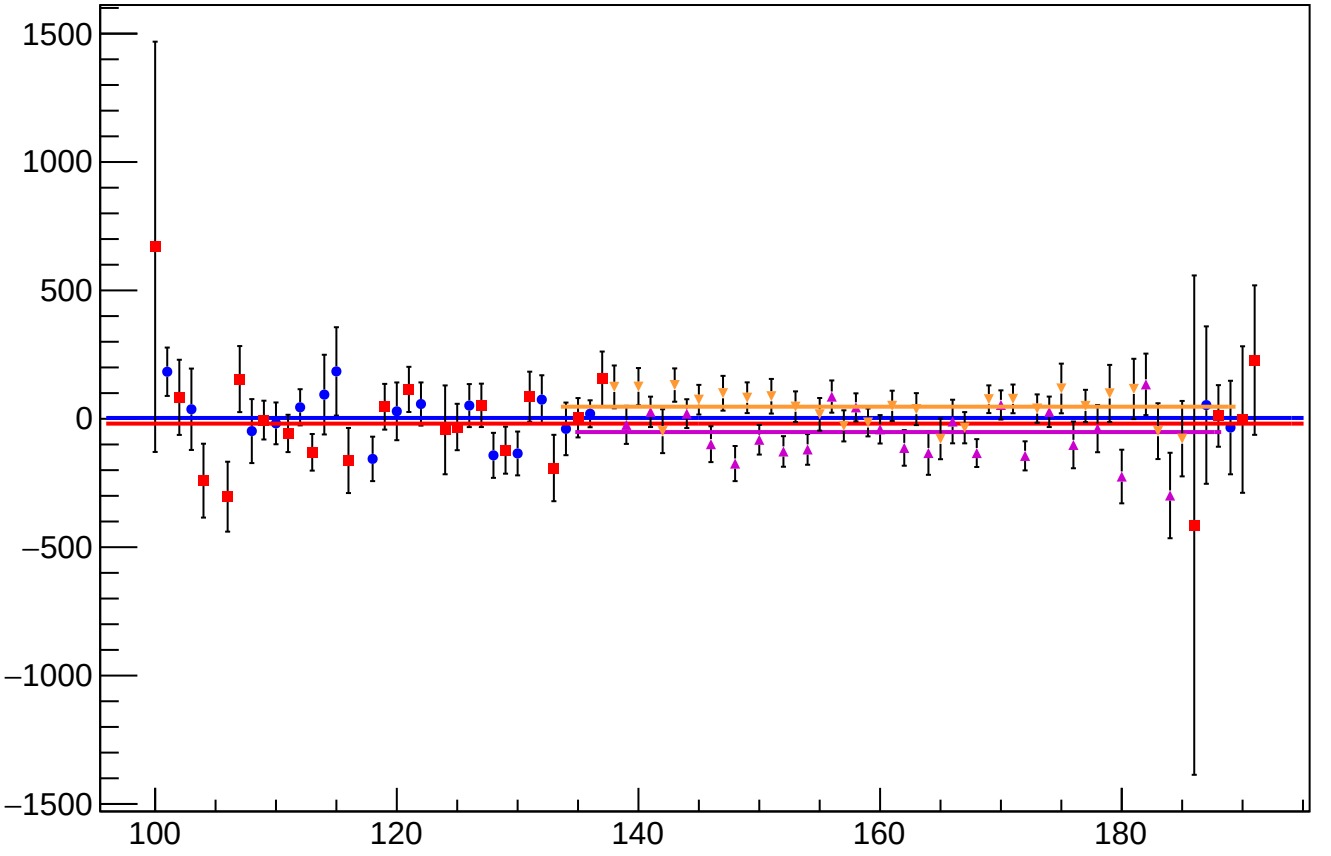
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

\+ sign 382.297+/-0.054 χ^2/NDF: 3743547.6/42

All: 384.337+/-0.038 χ^2/NDF: 8800933.5/88

\- sign 386.443+/-0.055 χ^2/NDF: 5054465.7/45

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: -18.778+/-22.230 χ^2/NDF: 25.4/22

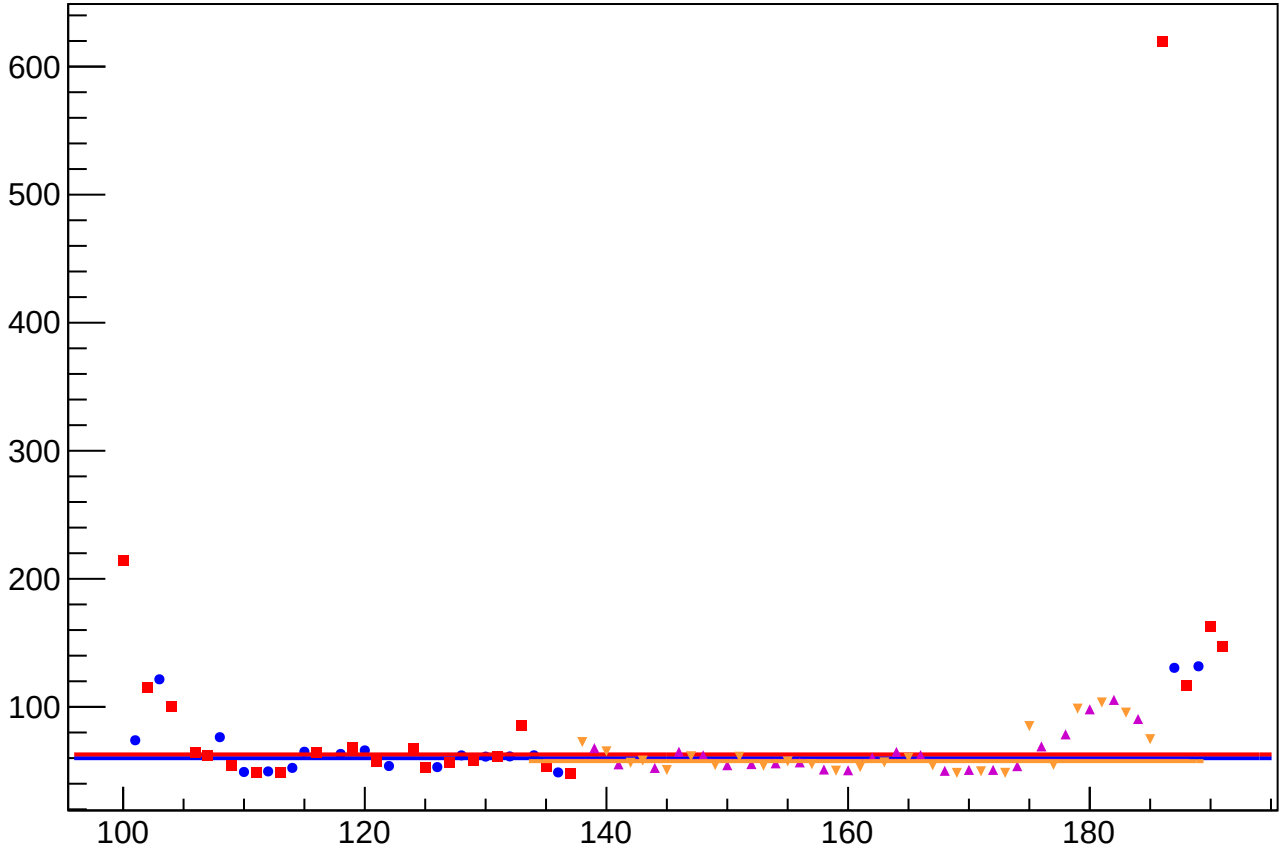
Left In: -51.652+/-13.934 χ^2/NDF:38.2/22

+ sign 35.338+/-11.549 χ^2/NDF: 36.0/42

All: -2.665+/-8.256 χ^2/NDF: 123.3/88

- sign -42.379+/-11.806 χ^2/NDF: 65.2/45

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: 62.887+/-0.016 χ^2/NDF: 2303258.2/22

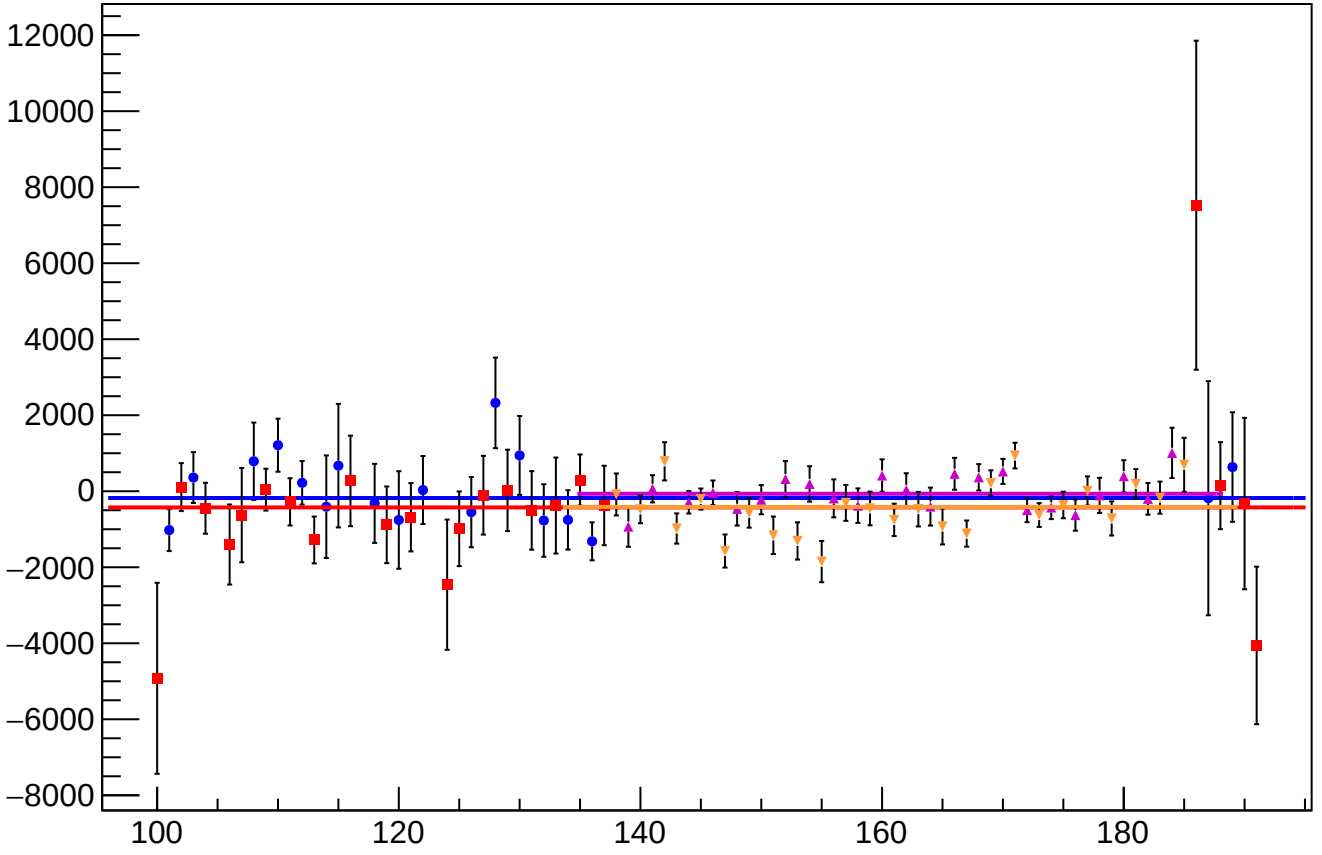
Left In: 57.940+/-0.010 χ^2/NDF:1124523.3/22

+ sign 58.252+/-0.008 χ^2/NDF: 2389300.4/42

All: 58.782+/-0.006 χ^2/NDF: 5896792.1/88

- sign 59.335+/-0.008 χ^2/NDF: 3498893.3/45

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: -425.612+/-192.411 χ^2/NDF: 18.0/22

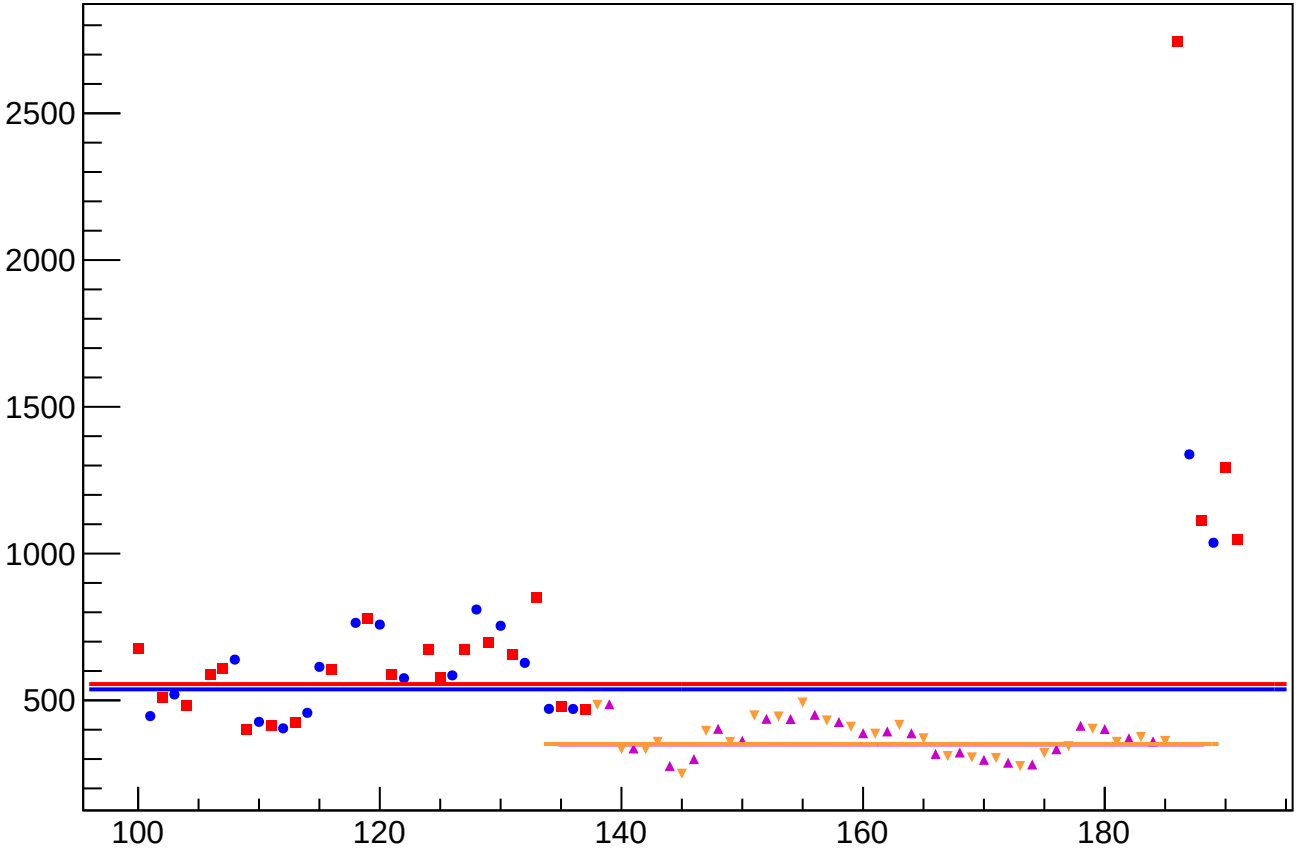
Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

+ sign -379.359+/-75.091 χ^2/NDF: 83.6/42

All: -253.209+/-53.511 χ^2/NDF: 133.2/88

- sign -123.049+/-76.275 χ^2/NDF: 43.8/45

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: 555.463+/-0.136 χ^2/NDF: 2051261.4/22

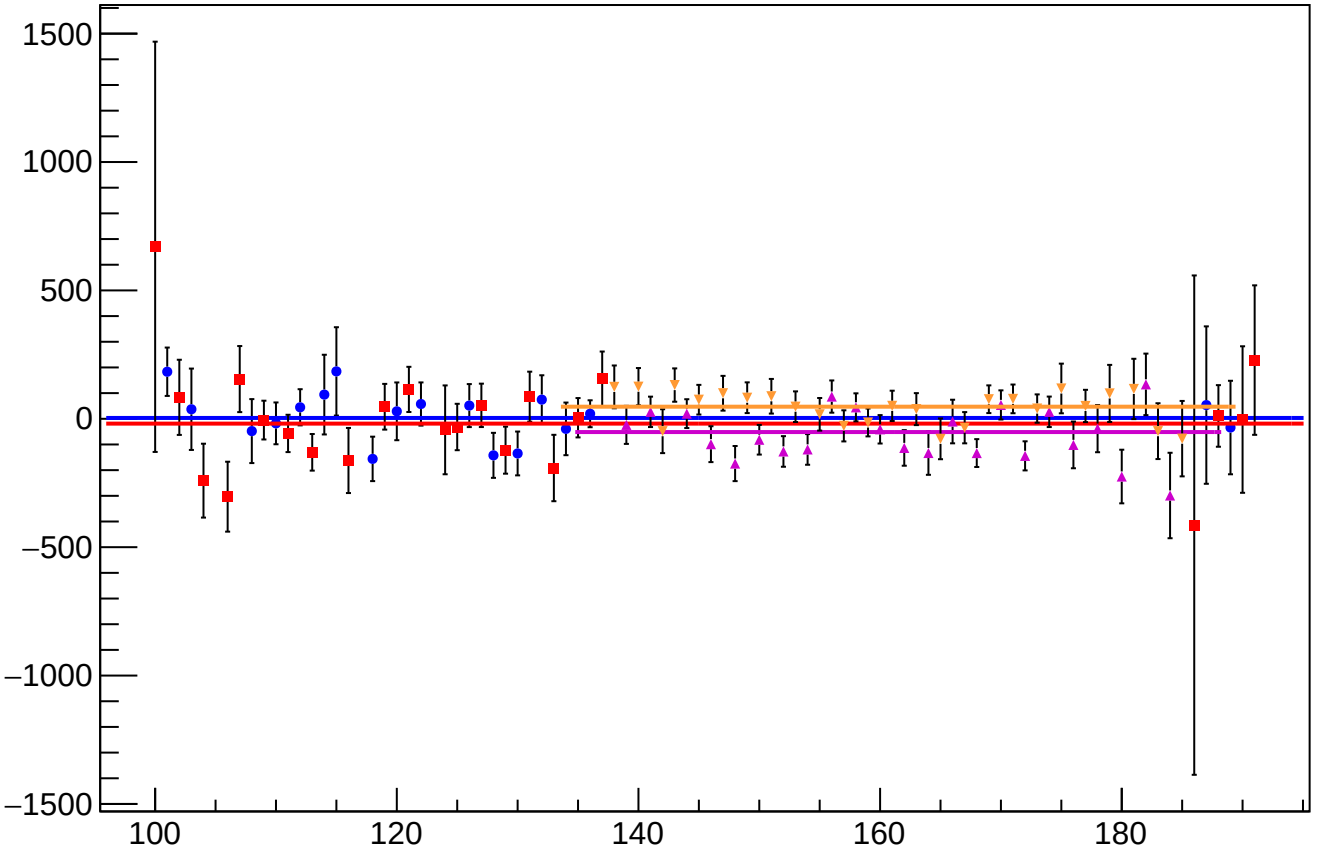
Left In: 349.813+/-0.059 χ^2/NDF:990366.6/22

\+ sign 377.962+/-0.053 χ^2/NDF: 3670561.1/42

All: 380.013+/-0.038 χ^2/NDF: 8640871.4/88

\- sign 382.130+/-0.054 χ^2/NDF: 4967277.7/45

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: -18.776+/-22.230 χ^2/NDF: 25.4/22

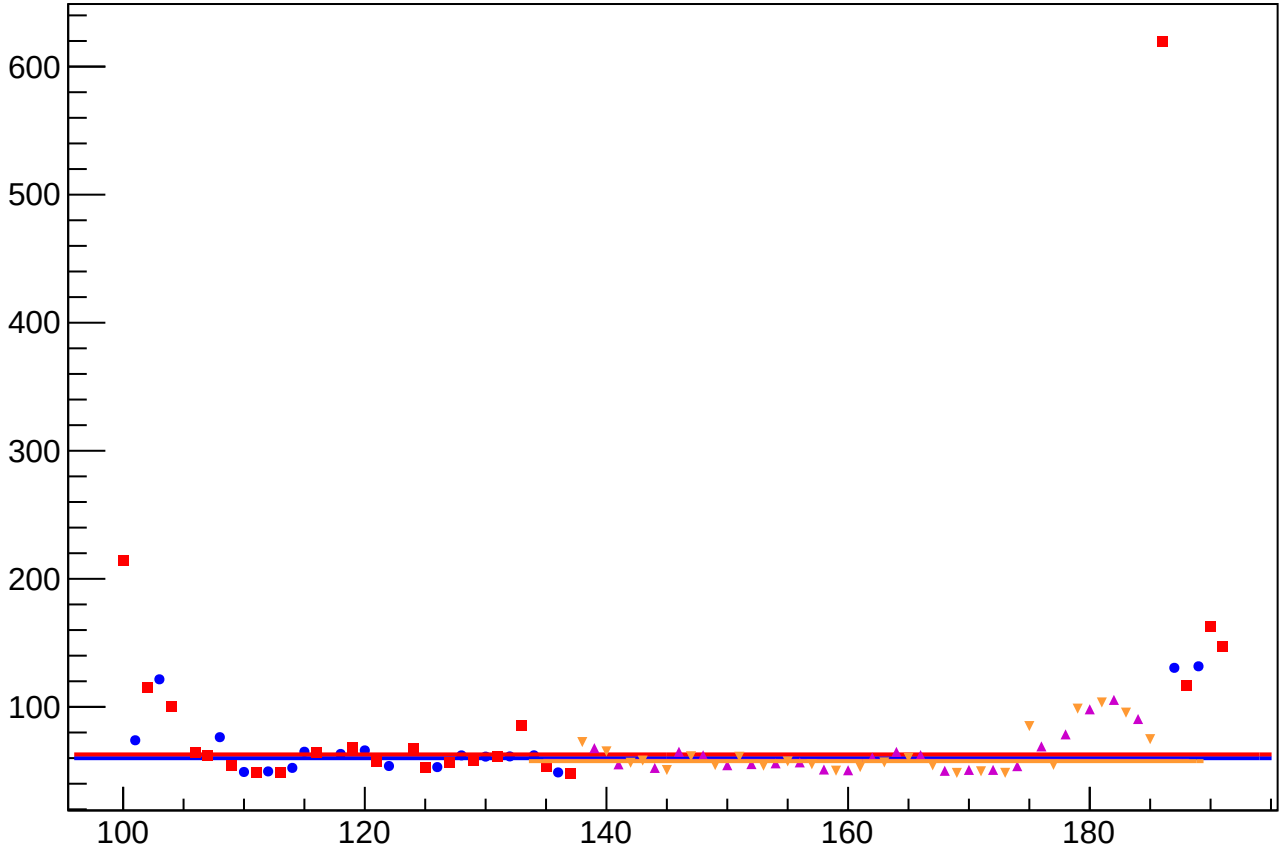
Left In: -51.651+/-13.934 χ^2/NDF:38.2/22

+ sign 35.338+/-11.549 χ^2/NDF: 36.1/42

All: -2.665+/-8.256 χ^2/NDF: 123.3/88

- sign -42.379+/-11.806 χ^2/NDF: 65.2/45

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

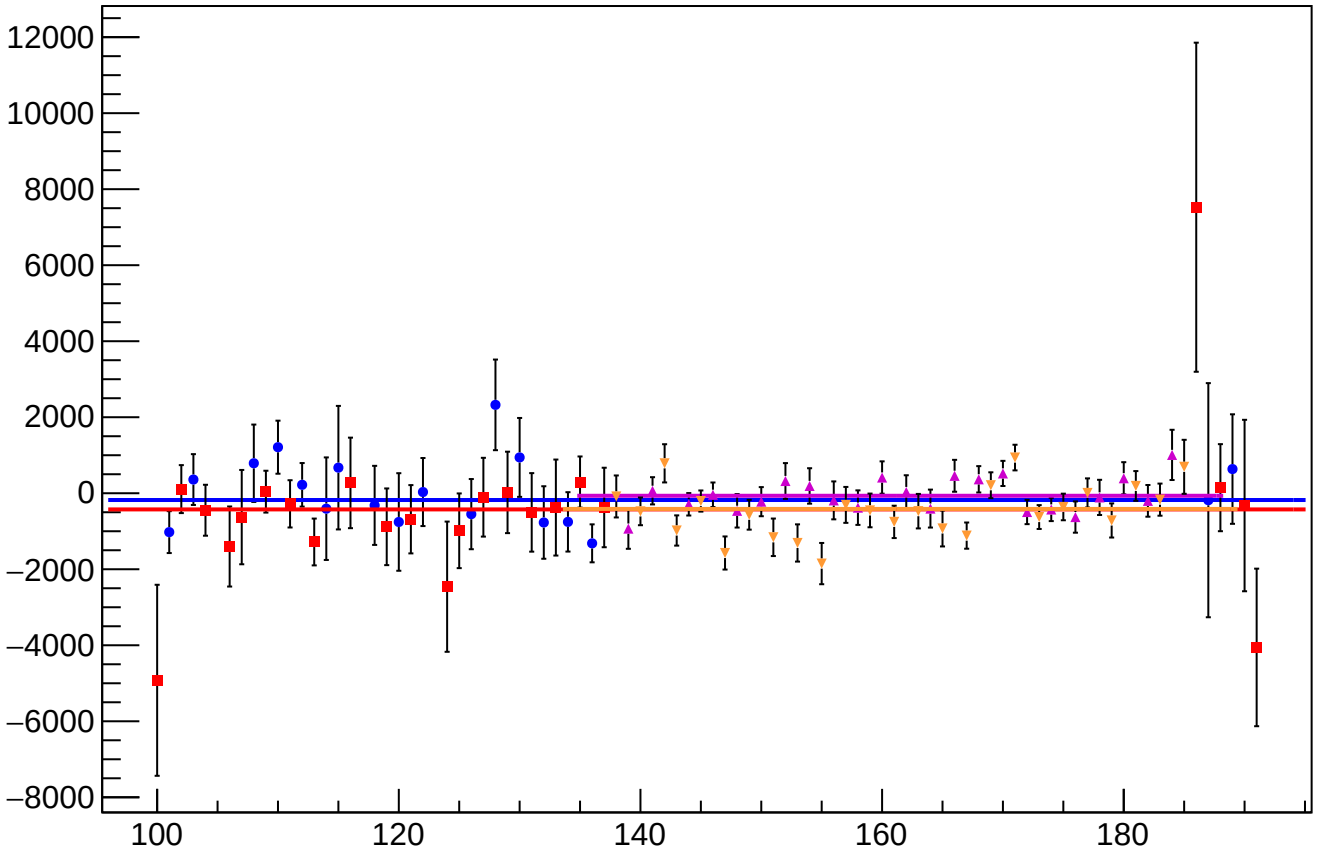
Right Out: 62.887+/-0.016 χ^2/NDF: 2303259.5/22

Left In: 57.940+/-0.010 χ^2/NDF:1124509.8/22

+ sign 58.253+/-0.008 χ^2/NDF: 2389291.6/42

All: 58.782+/-0.006 χ^2/NDF: 5896771.6/88

- sign 59.336+/-0.008 χ^2/NDF: 3498881.1/45



Right In: -178.135+/-198.275 χ^2/NDF: 21.1/17

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

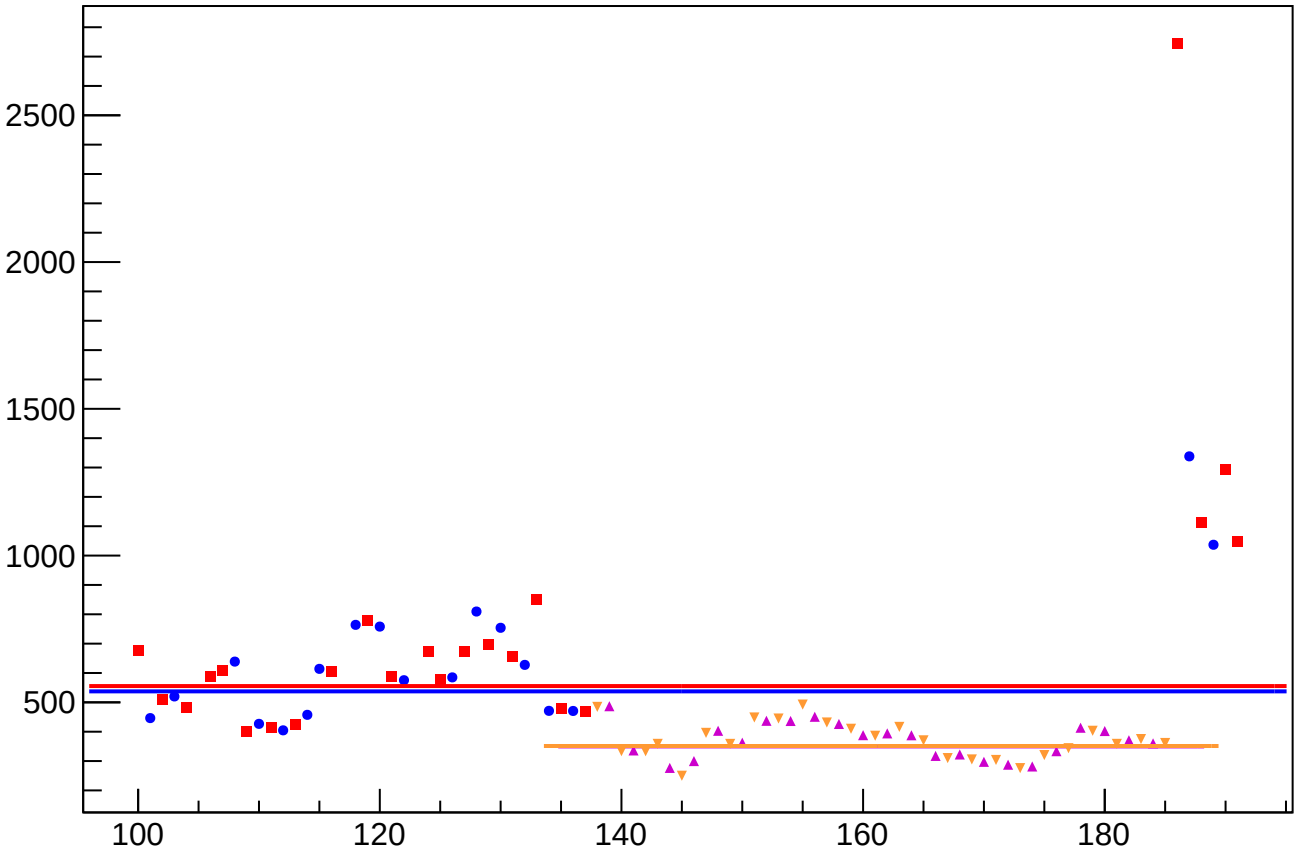
Right Out: -425.612+/-192.411 χ^2/NDF: 18.0/22

Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

+ sign -379.359+/-75.091 χ^2/NDF: 83.6/42

All: -253.209+/-53.511 χ^2/NDF: 133.2/88

- sign -123.048+/-76.275 χ^2/NDF: 43.8/45



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: 555.462+/-0.136 χ^2/NDF: 2051264.0/22

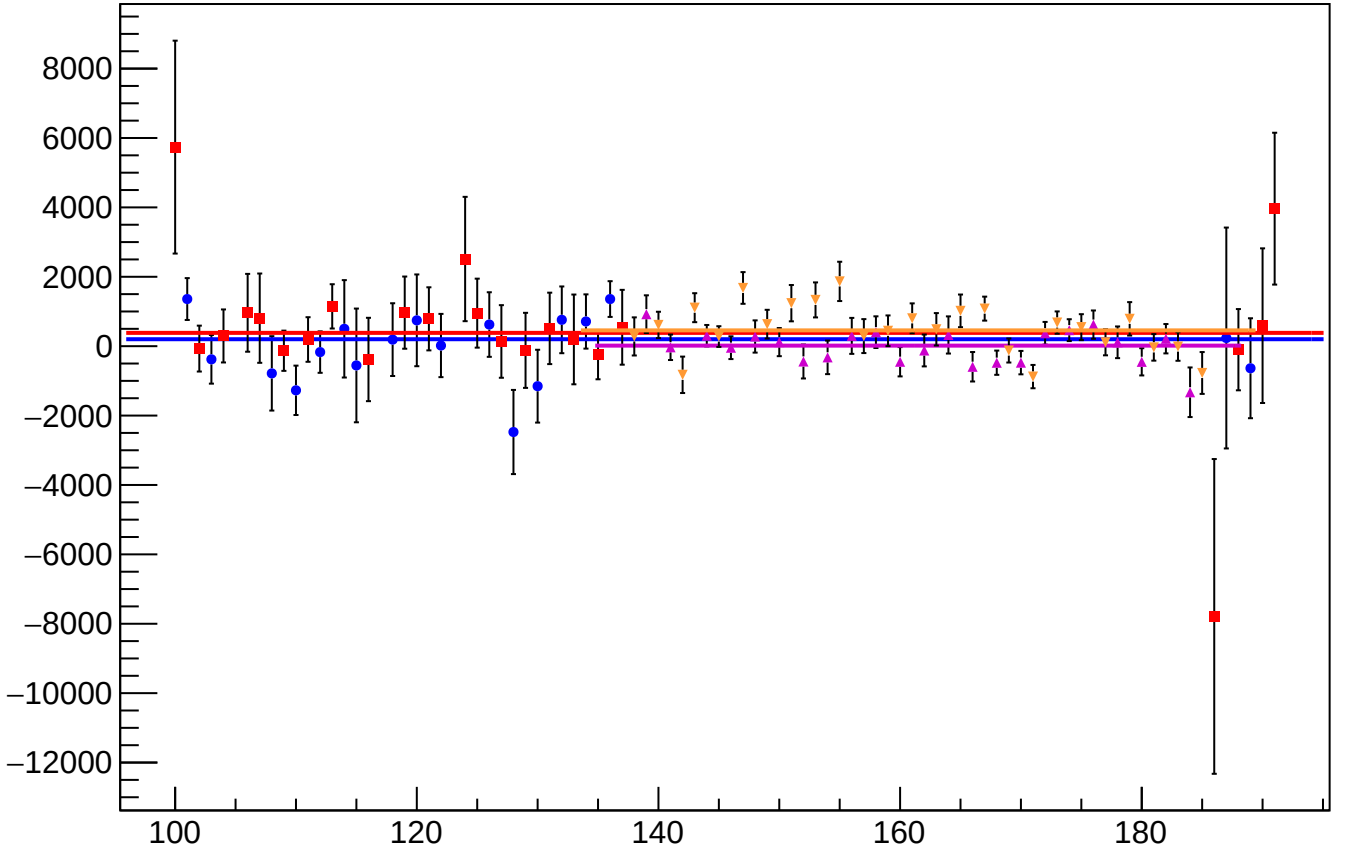
Left In: 349.813+/-0.059 χ^2/NDF:990359.9/22

+ sign 377.962+/-0.053 χ^2/NDF: 3670555.0/42

All: 380.013+/-0.038 χ^2/NDF: 8640850.8/88

- sign 382.130+/-0.054 χ^2/NDF: 4967263.0/45

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: 383.466+/-200.610 χ^2/NDF: 16.1/22

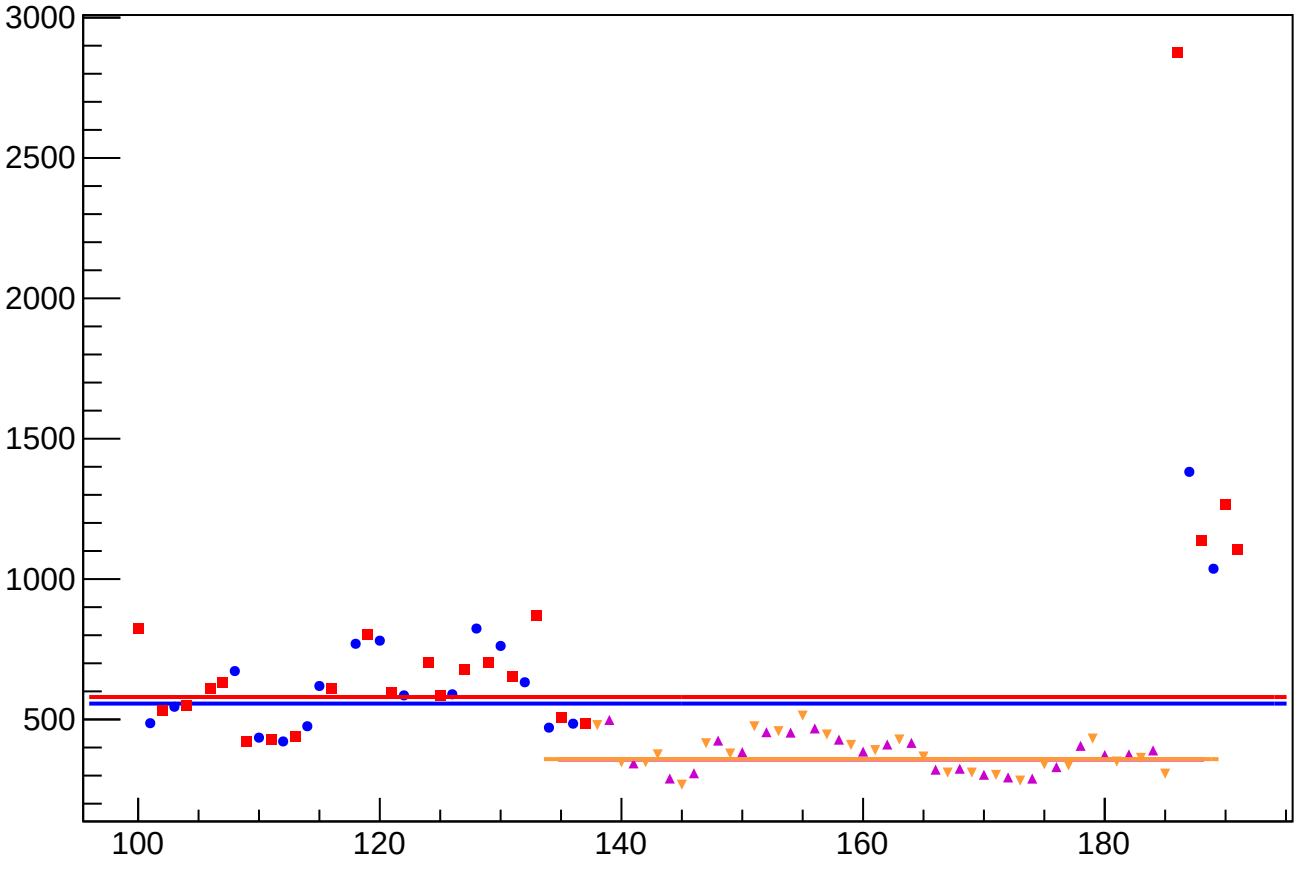
Left In: 16.073+/-84.830 χ^2/NDF:24.9/22

+ sign 419.376+/-76.899 χ^2/NDF: 85.4/42

All: 248.353+/-54.807 χ^2/NDF: 139.2/88

- sign 71.803+/-78.132 χ^2/NDF: 43.8/45

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

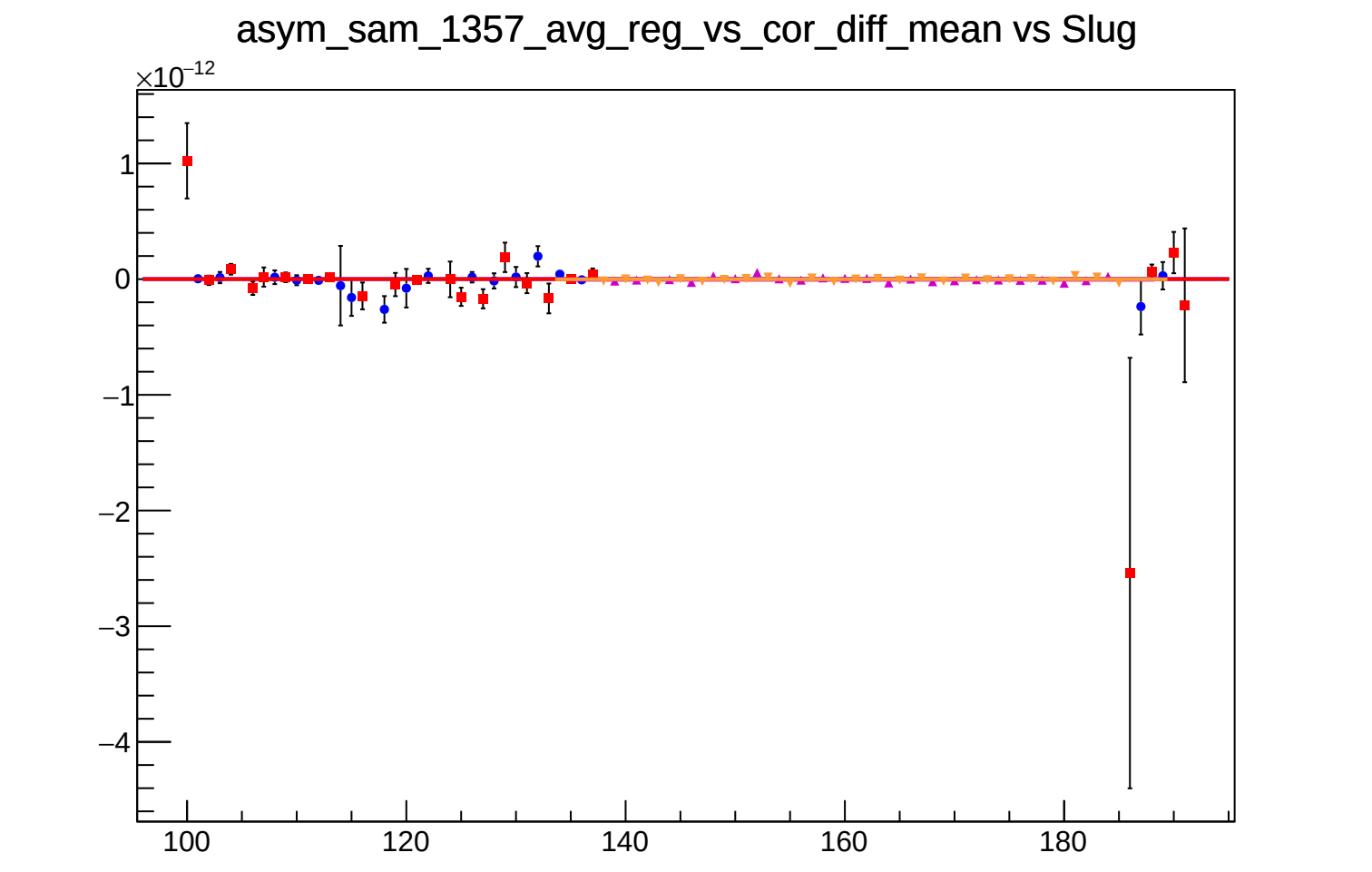
Right Out: 579.889+/-0.142 χ^2/NDF: 1952823.5/22

Left In: 357.182+/-0.060 χ^2/NDF:981641.8/22

+ sign 386.525+/-0.054 χ^2/NDF: 3691007.8/42

All: 388.709+/-0.039 χ^2/NDF: 8719720.7/88

- sign 390.964+/-0.055 χ^2/NDF: 5025433.0/45



Right In: 0.000+/-0.000 χ^2/NDF: 14.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:18.2/24

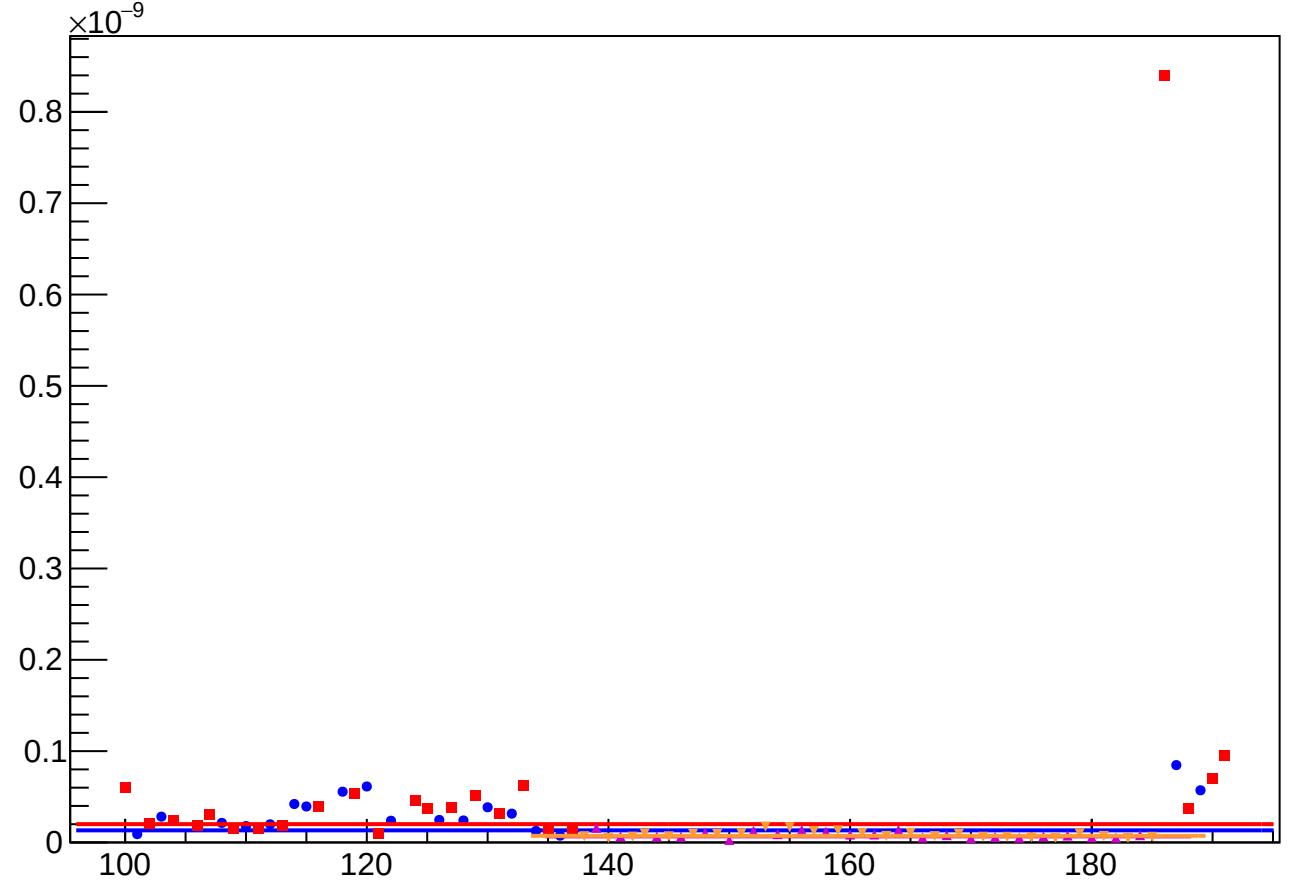
Right Out: 0.000+/-0.000 χ^2/NDF: 34.6/22

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: 97.6/88

- sign -0.000+/-0.000 χ^2/NDF: 63.3/45



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: 2075341.5/22

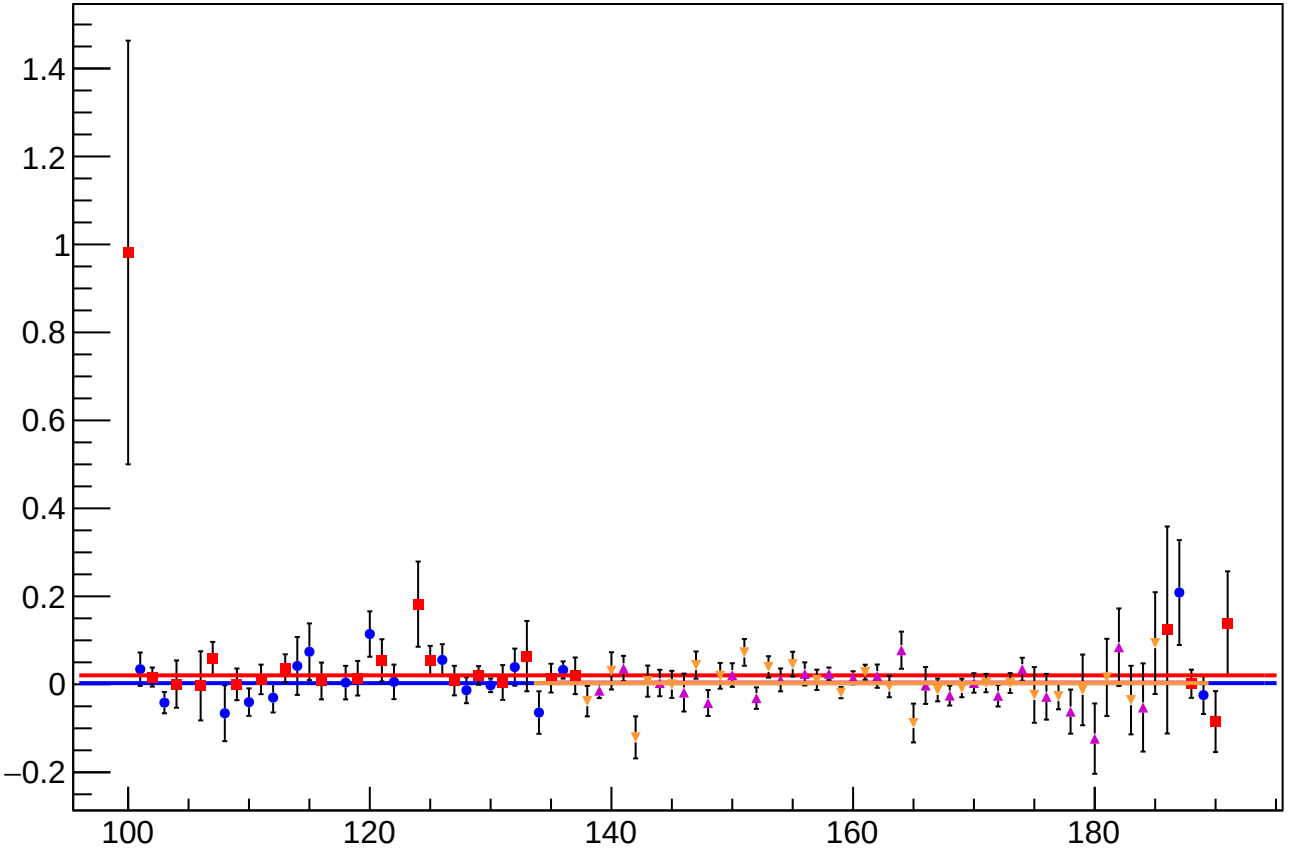
Left In: 0.000+/-0.000 χ^2/NDF:1746143.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 4445745.2/42

All: 0.000+/-0.000 χ^2/NDF: 10689850.8/88

- sign 0.000+/-0.000 χ^2/NDF: 6219833.0/45

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: 0.020+/-0.008 χ^2/NDF: 14.7/22

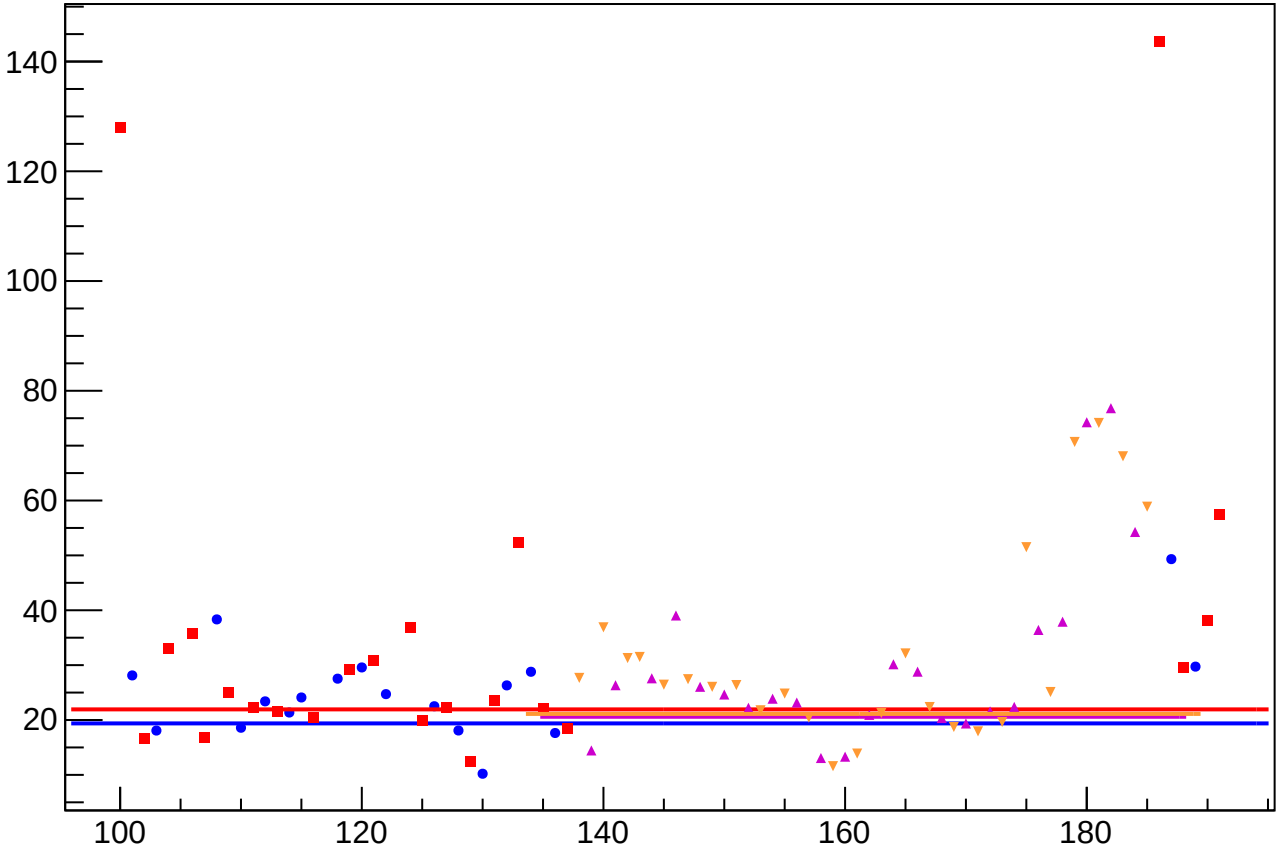
Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.003+/-0.004 χ^2/NDF: 58.1/42

All: 0.006+/-0.003 χ^2/NDF: 101.2/88

- sign 0.009+/-0.005 χ^2/NDF: 42.1/45

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

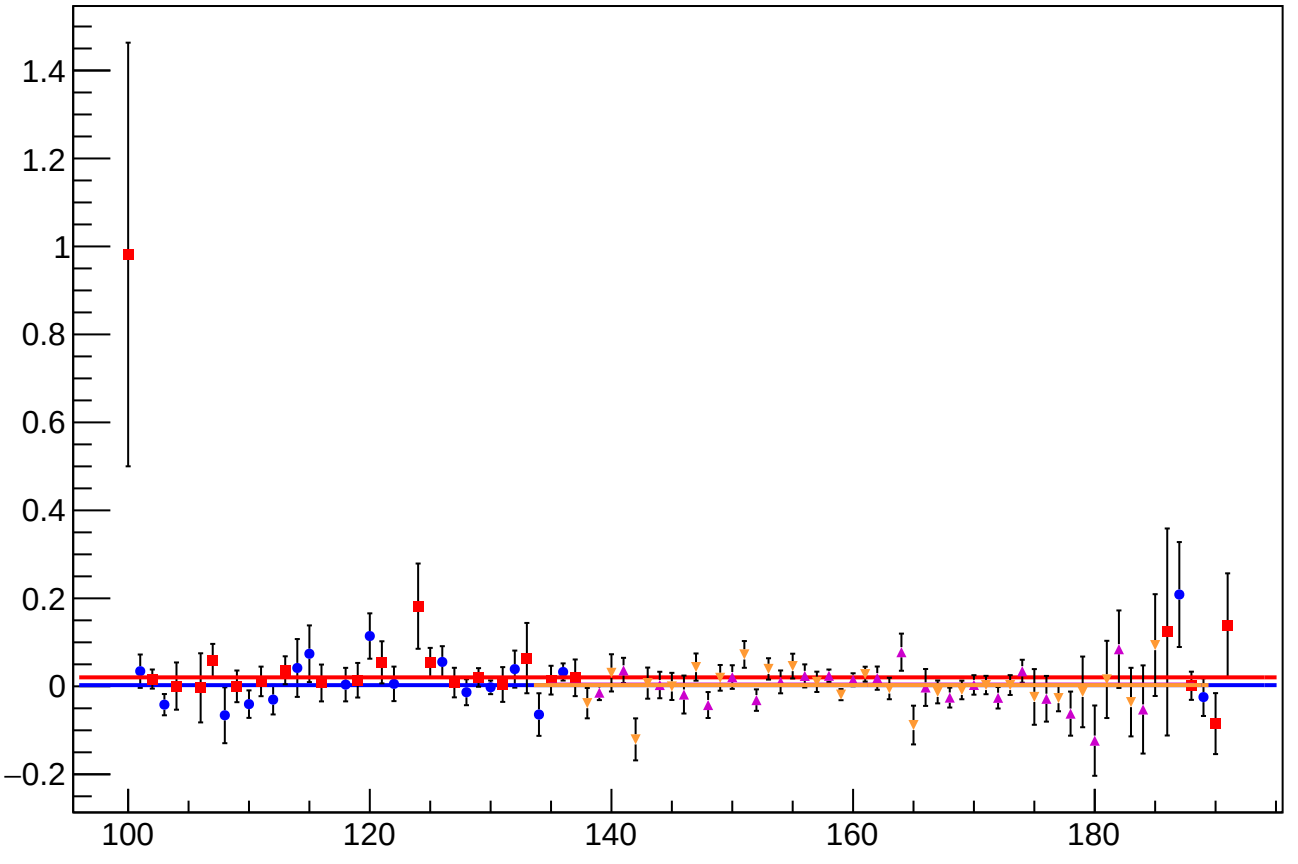
Right Out: 21.937+/-0.006 χ^2/NDF: 2264382.5/22

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

+ sign 20.528+/-0.003 χ^2/NDF: 7253692.8/42

All: 20.765+/-0.002 χ^2/NDF: 14167266.5/88

- sign 21.010+/-0.003 χ^2/NDF: 6901989.4/45



Right In: 0.003+/-0.008 χ^2/NDF: 25.3/17

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

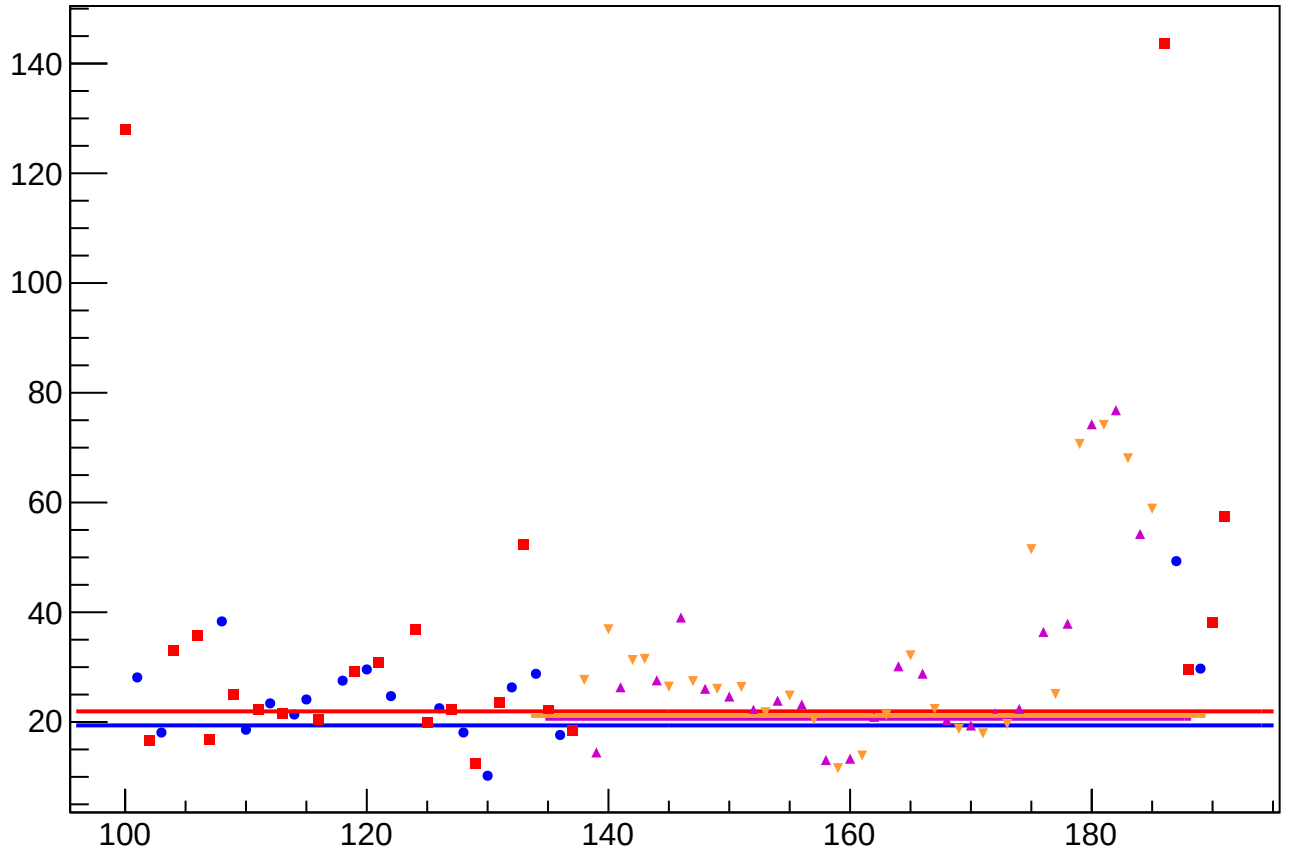
Right Out: 0.020+/-0.008 χ^2/NDF: 14.7/22

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: 101.2/88

- sign 0.009+/-0.005 χ^2/NDF: 42.1/45



Right In: 19.381+/-0.005 χ^2/NDF: 1639692.8/17

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

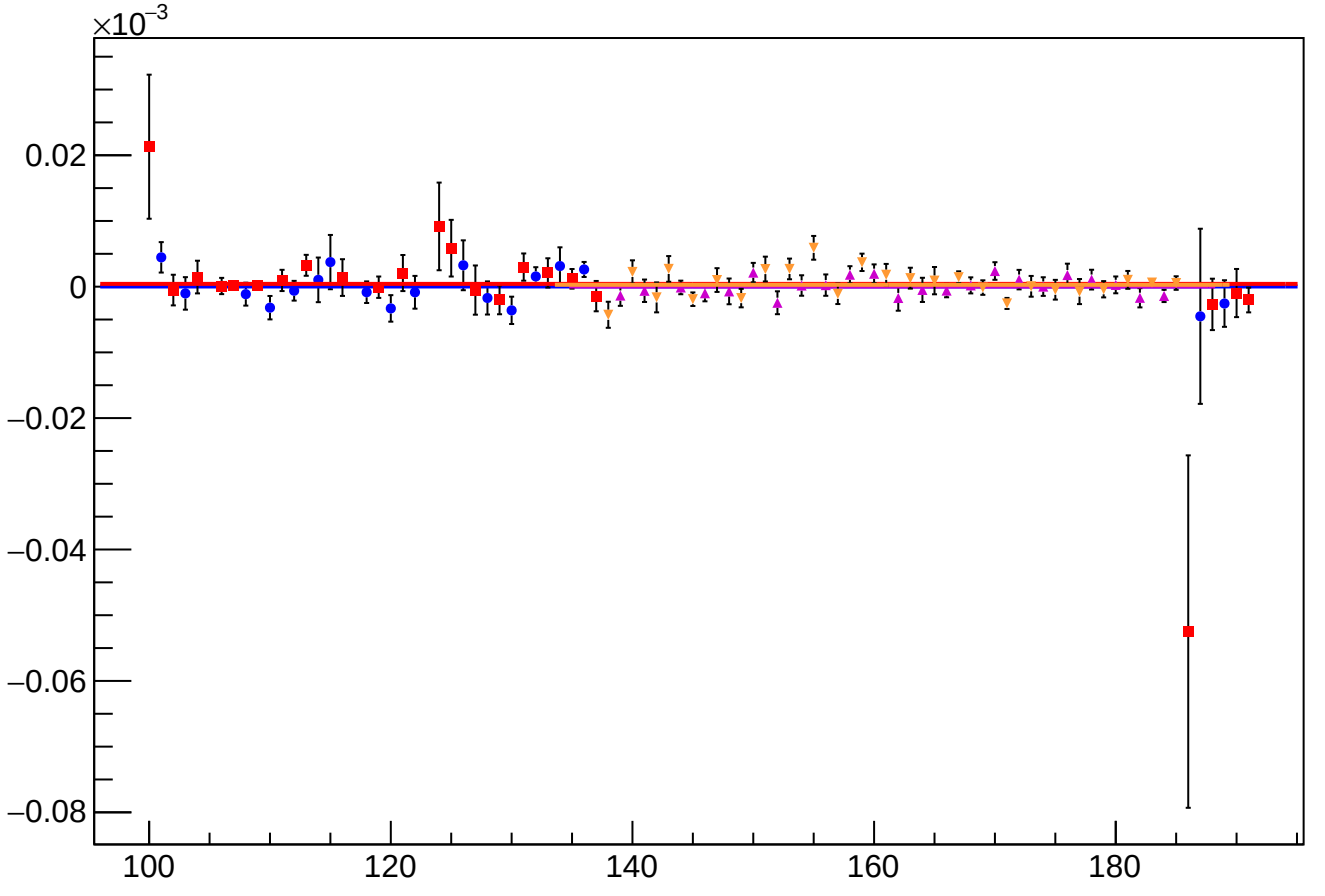
Right Out: 21.937+/-0.006 χ^2/NDF: 2264382.5/22

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

+ sign 20.528+/-0.003 χ^2/NDF: 7253692.8/42

All: 20.765+/-0.002 χ^2/NDF: 14167266.5/88

- sign 21.010+/-0.003 χ^2/NDF: 6901989.4/45



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: 22.1/22

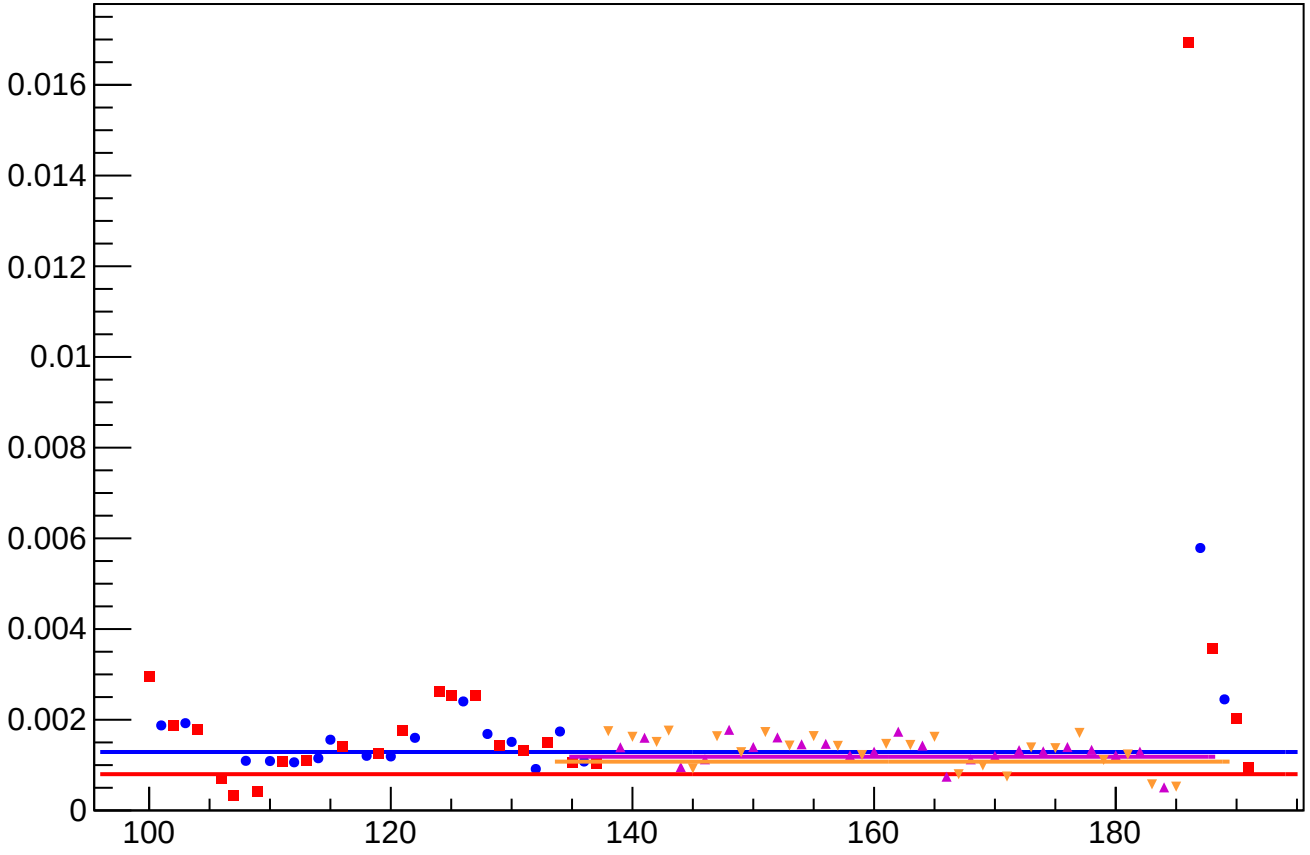
Left In: 0.000+/-0.000 χ^2/NDF:19.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 77.0/42

All: 0.000+/-0.000 χ^2/NDF: 119.8/88

- sign 0.000+/-0.000 χ^2/NDF: 42.8/45

asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 1356135.7/17

Left Out: 0.001+/-0.000 χ^2/NDF:4545392.2/24

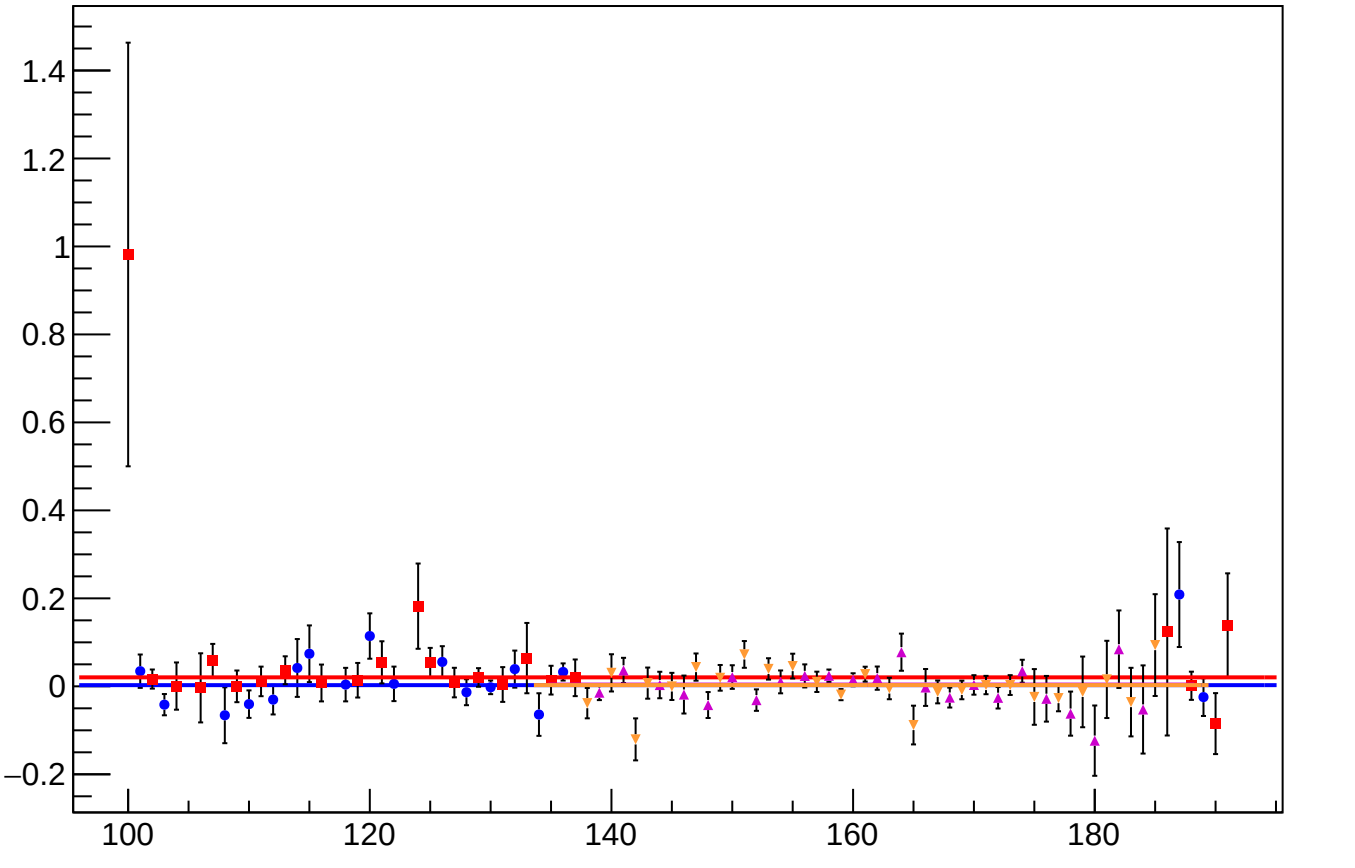
Right Out: 0.001+/-0.000 χ^2/NDF: 6666121.1/22

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: 17086718.3/88

- sign 0.001+/-0.000 χ^2/NDF: 10657917.5/45



Right In: 0.003+/-0.008 χ^2/NDF: 25.3/17

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

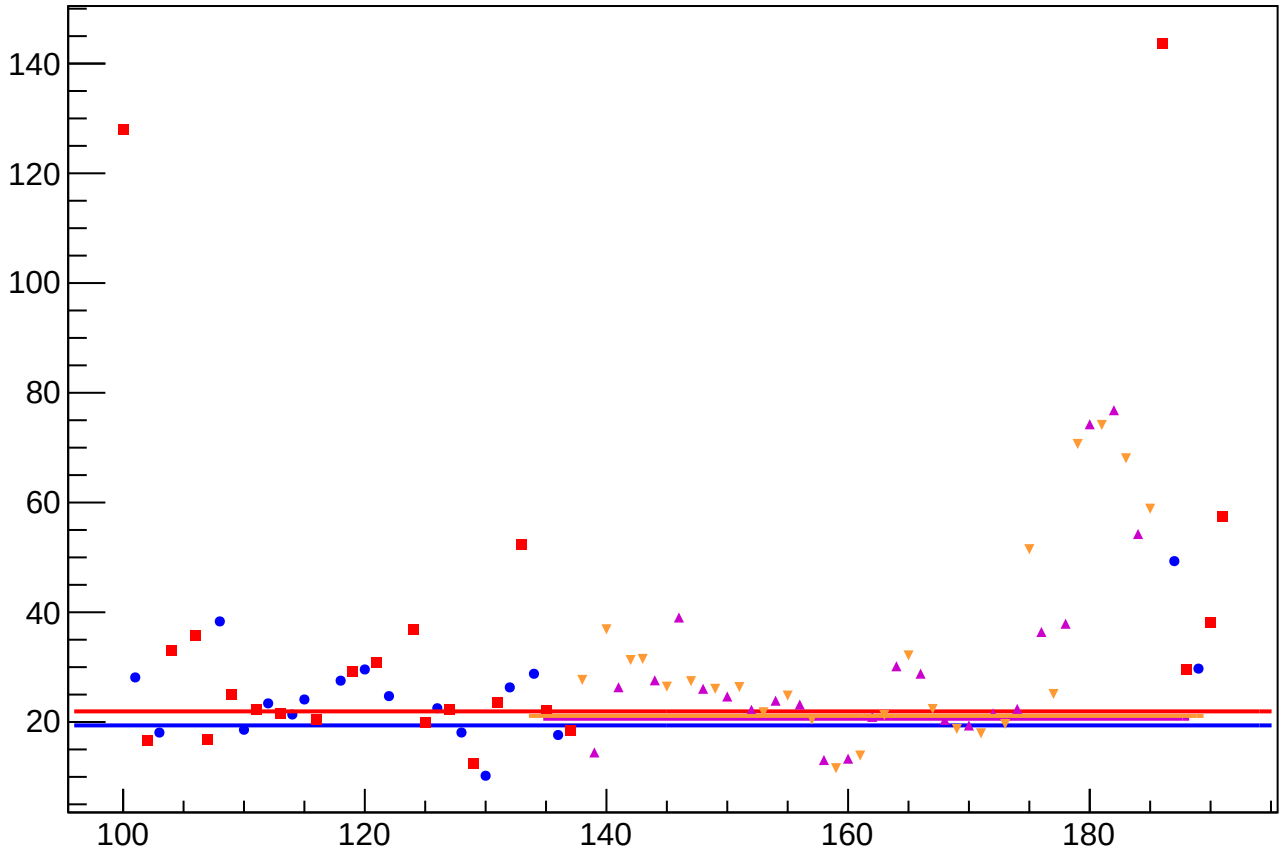
Right Out: 0.020+/-0.008 χ^2/NDF: 14.7/22

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: 101.2/88

- sign 0.009+/-0.005 χ^2/NDF: 42.1/45



Right In: 19.382+/-0.005 χ^2/NDF: 1639573.5/17

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

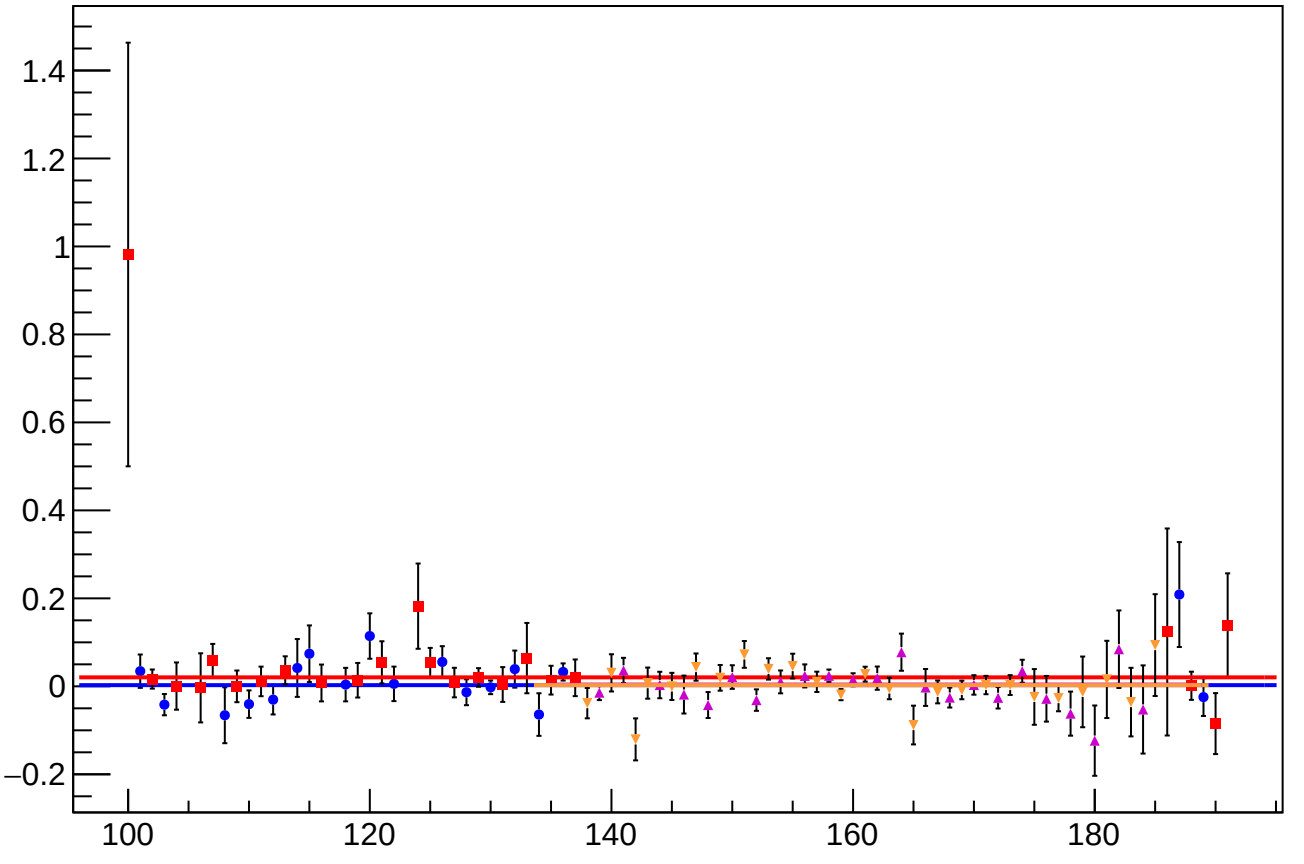
Right Out: 21.937+/-0.006 χ^2/NDF: 2264364.2/22

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

+ sign 20.528+/-0.003 χ^2/NDF: 7253678.9/42

All: 20.765+/-0.002 χ^2/NDF: 14167236.9/88

- sign 21.010+/-0.003 χ^2/NDF: 6901972.2/45



Right In: 0.003+/-0.008 χ^2/NDF: 25.3/17

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

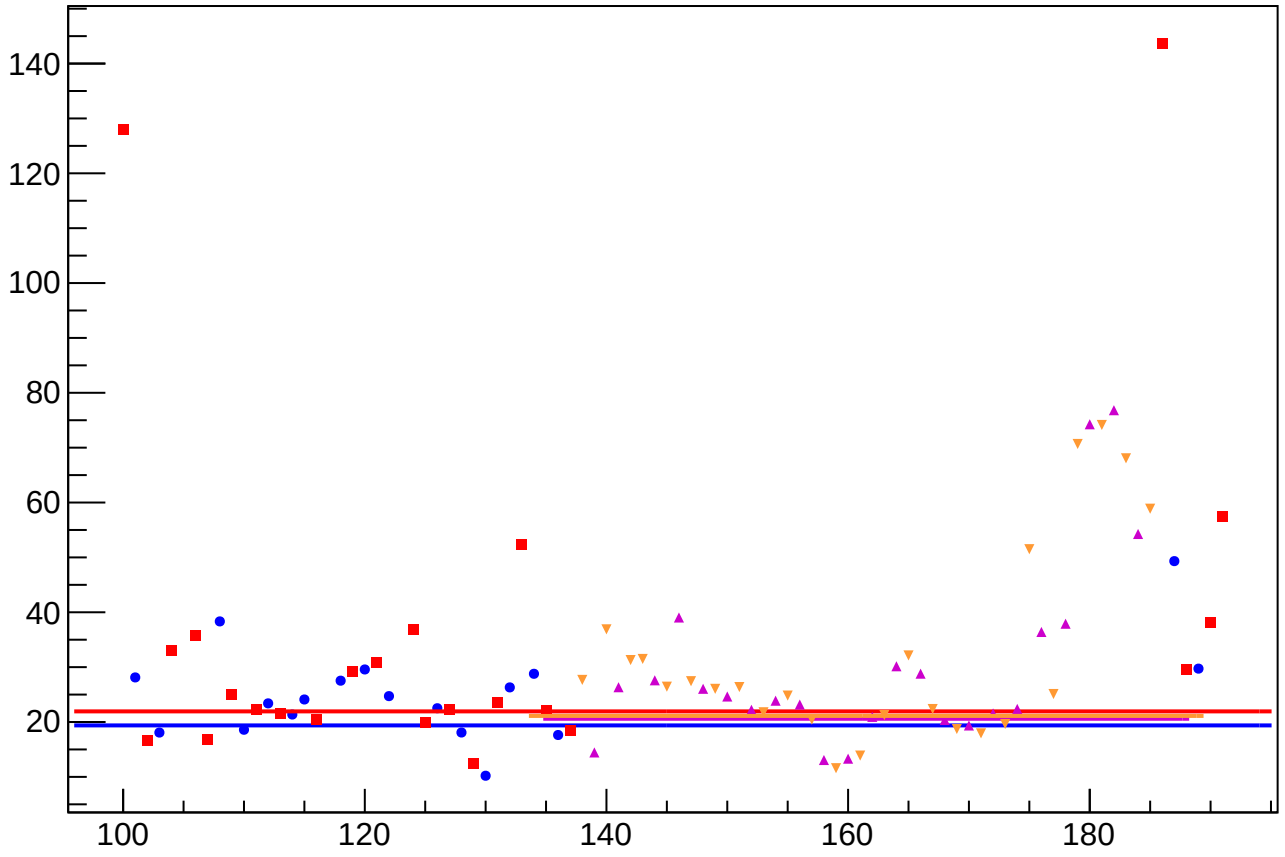
Right Out: 0.020+/-0.008 χ^2/NDF: 14.7/22

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: 101.2/88

- sign 0.009+/-0.005 χ^2/NDF: 42.1/45



Right In: 19.382+/-0.005 χ^2/NDF: 1639573.5/17

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

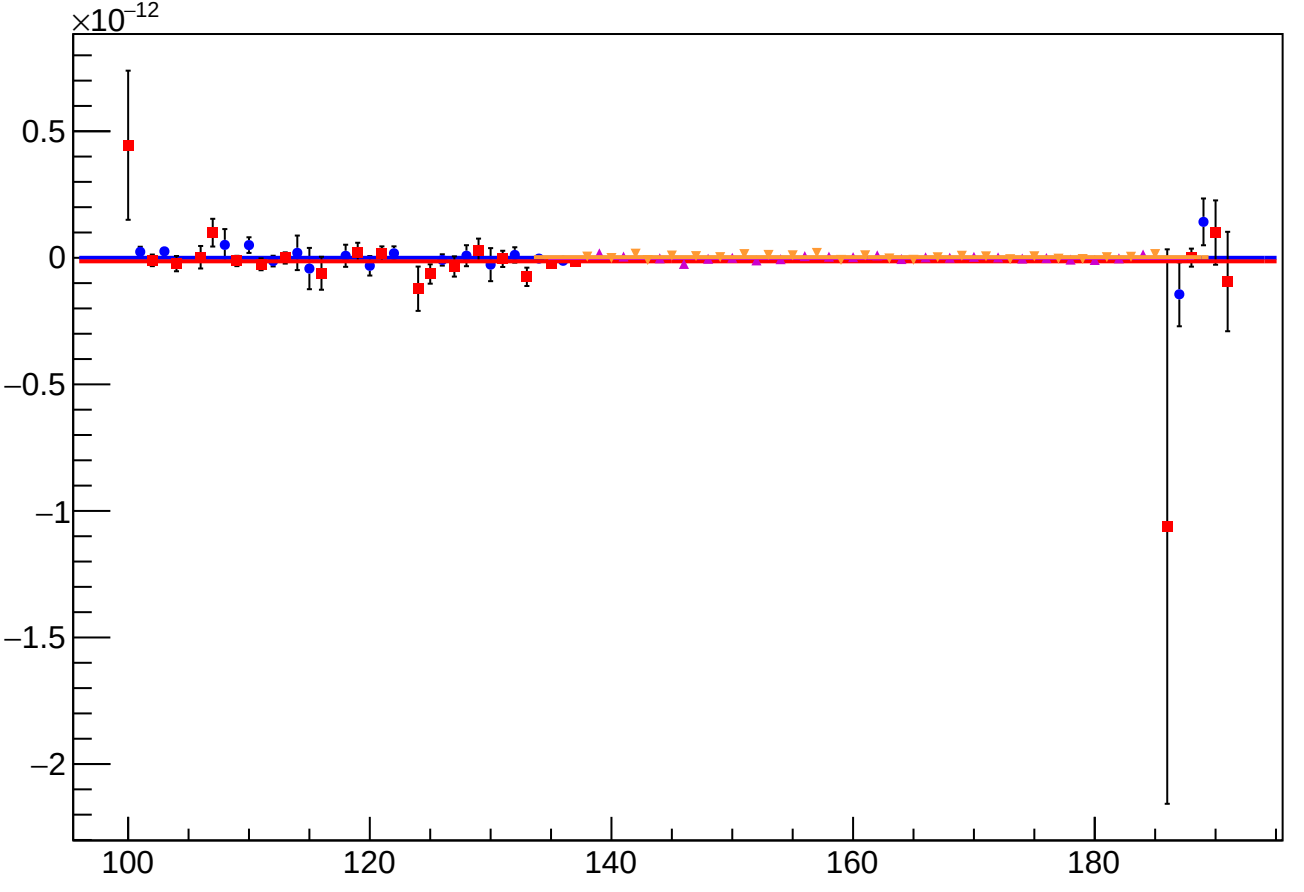
Right Out: 21.937+/-0.006 χ^2/NDF: 2264364.2/22

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

+ sign 20.528+/-0.003 χ^2/NDF: 7253678.9/42

All: 20.765+/-0.002 χ^2/NDF: 14167236.9/88

- sign 21.010+/-0.003 χ^2/NDF: 6901972.2/45



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/24

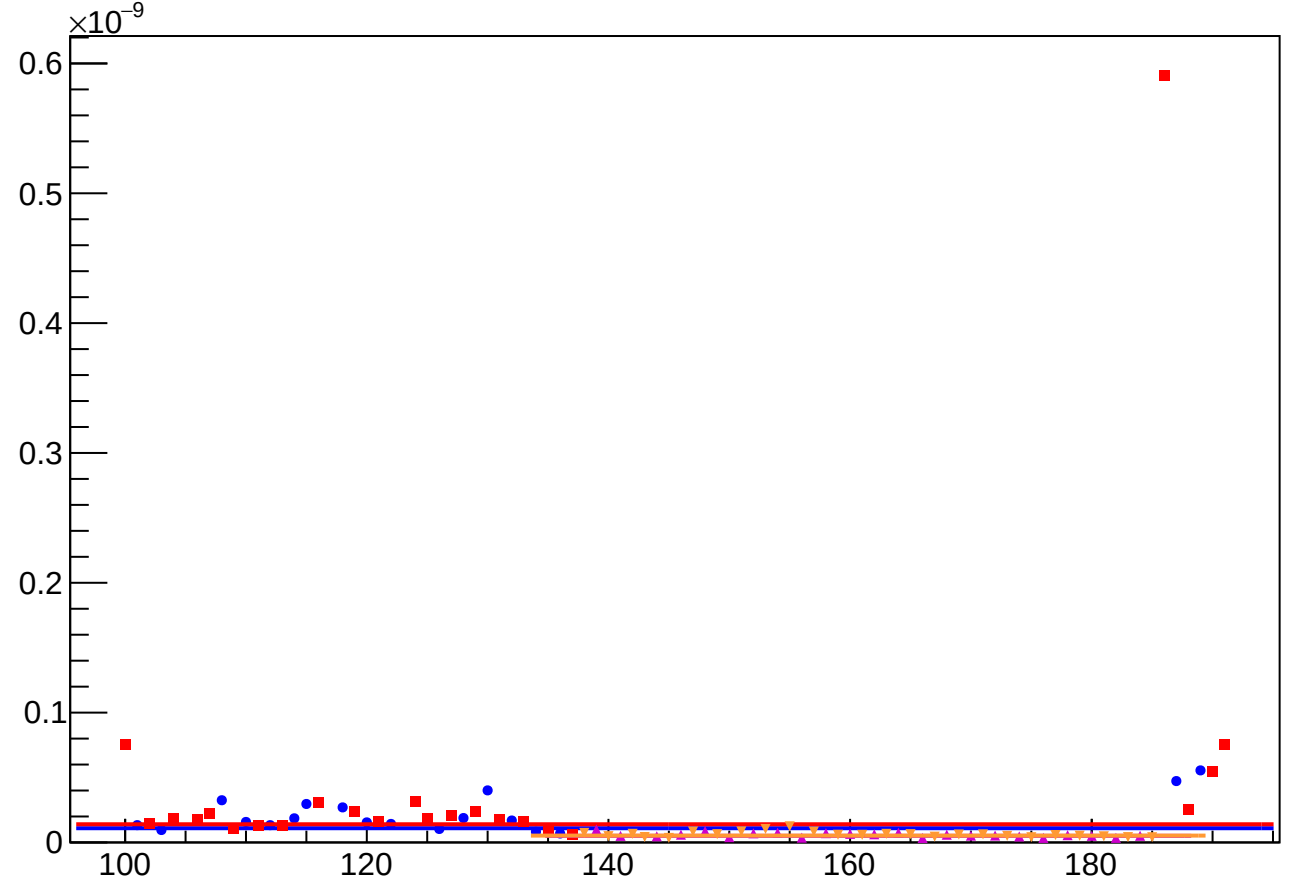
Right Out: -0.000+/-0.000 χ^2/NDF: 19.7/22

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: 83.5/88

- sign -0.000+/-0.000 χ^2/NDF: 45.1/45



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: 2570870.3/22

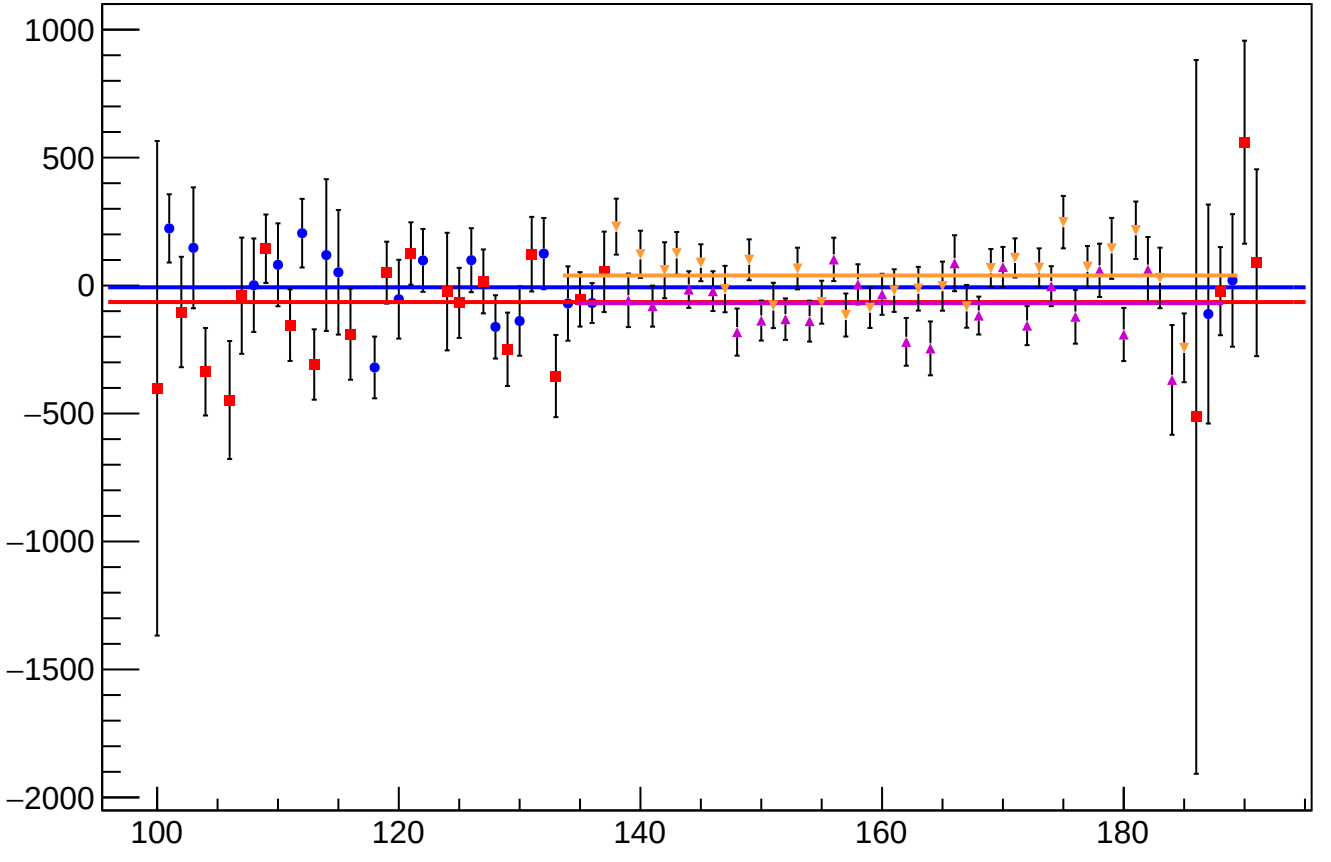
Left In: 0.000+/-0.000 χ^2/NDF:1700889.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 6452668.8/42

All: 0.000+/-0.000 χ^2/NDF: 14387121.0/88

- sign 0.000+/-0.000 χ^2/NDF: 7929976.2/45

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: -64.419+/-33.904 χ^2/NDF: 25.7/22

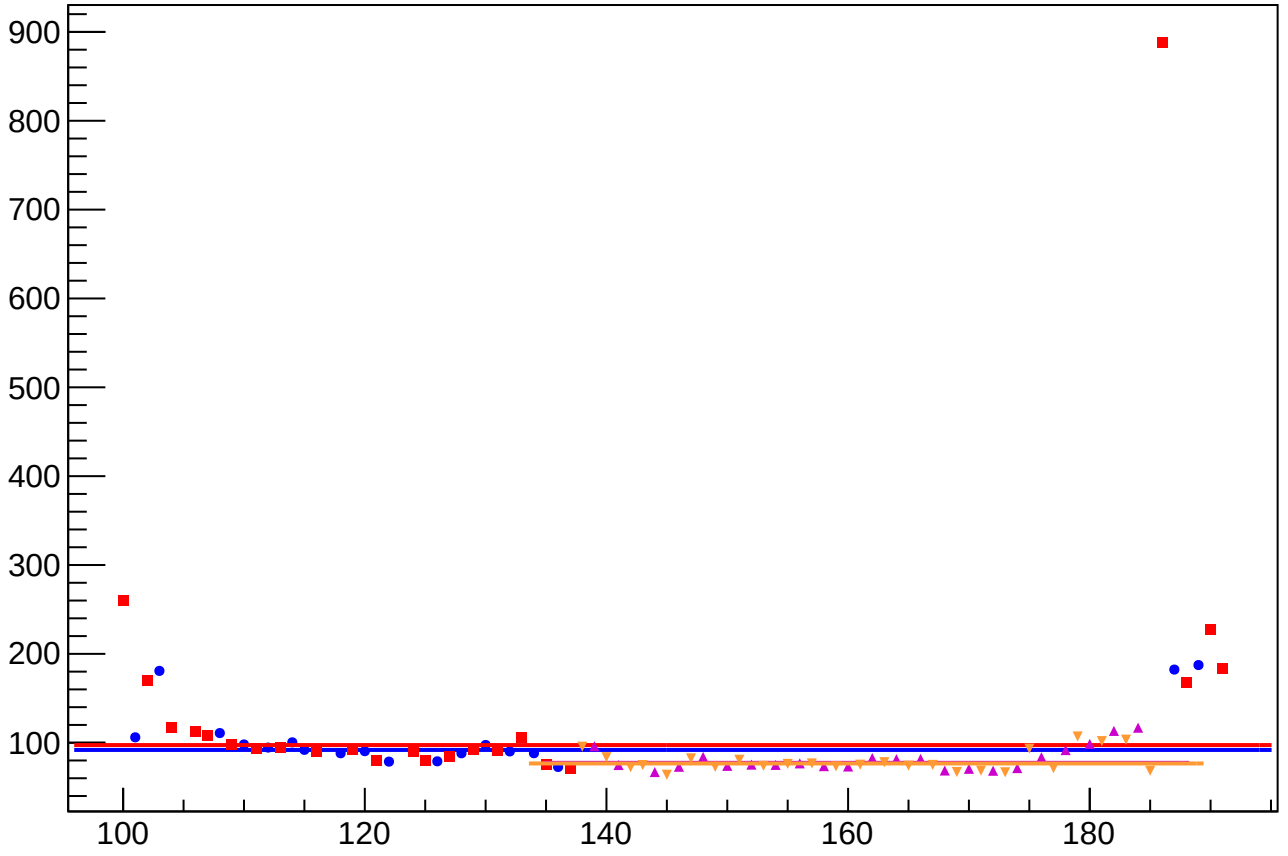
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 29.595+/-15.665 χ^2/NDF: 52.4/42

All: -17.659+/-11.233 χ^2/NDF: 125.8/88

- sign -67.671+/-16.116 χ^2/NDF: 54.7/45

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

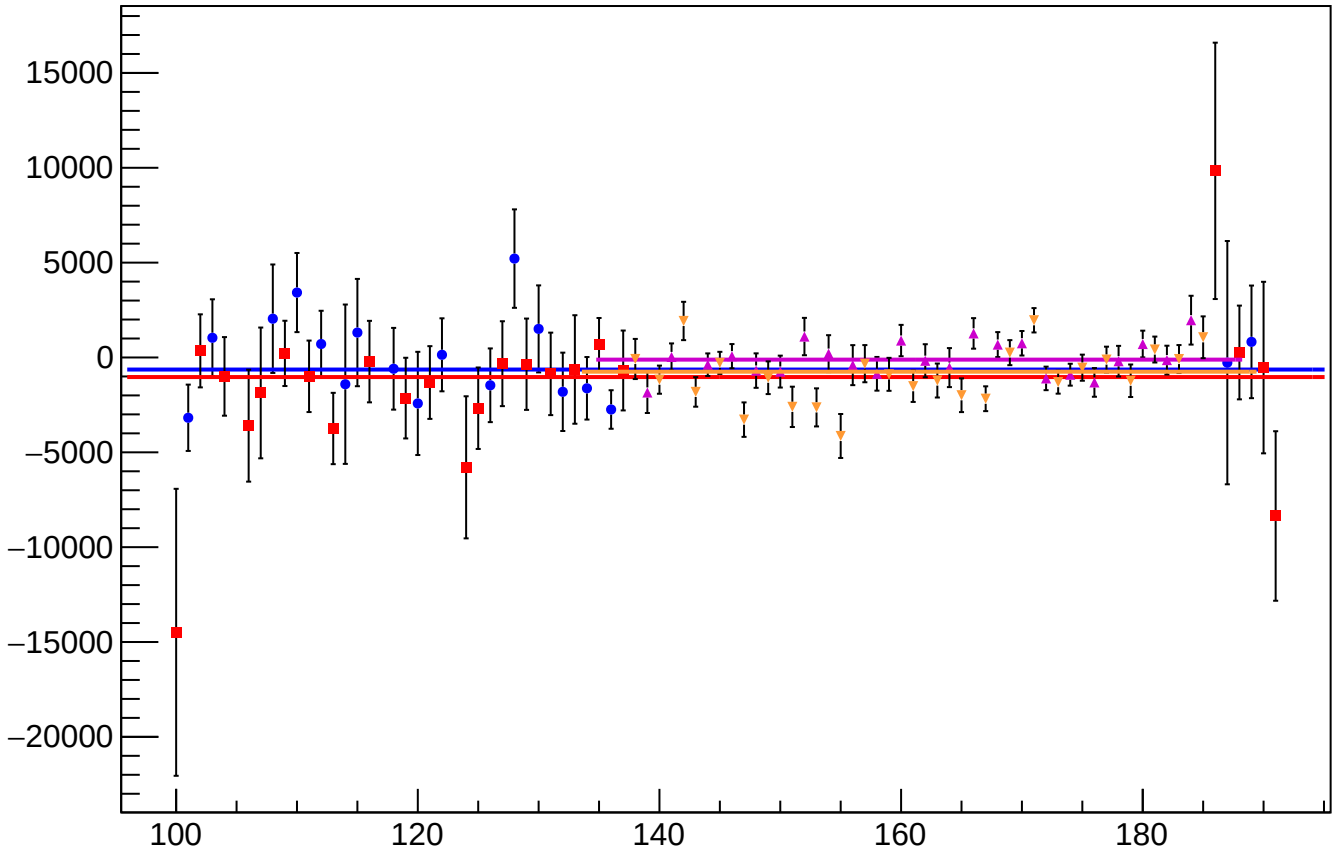
Right Out: 97.346+/-0.024 χ^2/NDF: 1891631.7/22

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 79.898+/-0.011 χ^2/NDF: 1840194.0/42

All: 80.854+/-0.008 χ^2/NDF: 4876145.6/88

- sign 81.866+/-0.011 χ^2/NDF: 3020609.8/45



Right In: -636.112+/-478.737 χ^2/NDF: 20.5/17

Left Out: -749.641+/-158.081 χ^2/NDF:70.0/24

Right Out: -1032.192+/-479.813 χ^2/NDF: 17.0/22

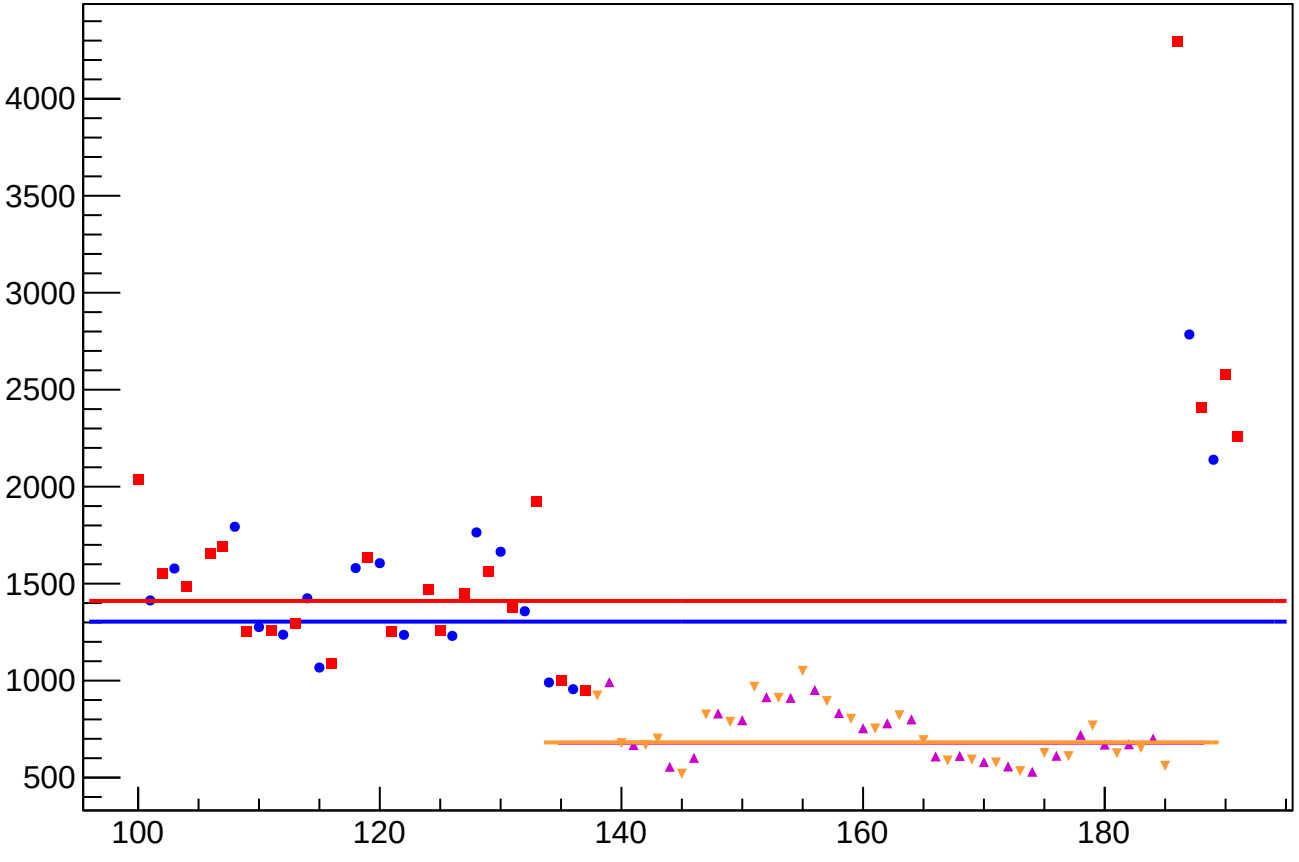
Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -738.479+/-150.109 χ^2/NDF: 90.5/42

All: -478.656+/-107.262 χ^2/NDF: 142.0/88

- sign -207.579+/-153.325 χ^2/NDF: 45.4/45

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: 1410.955+/-0.339 χ^2/NDF: 1417529.4/22

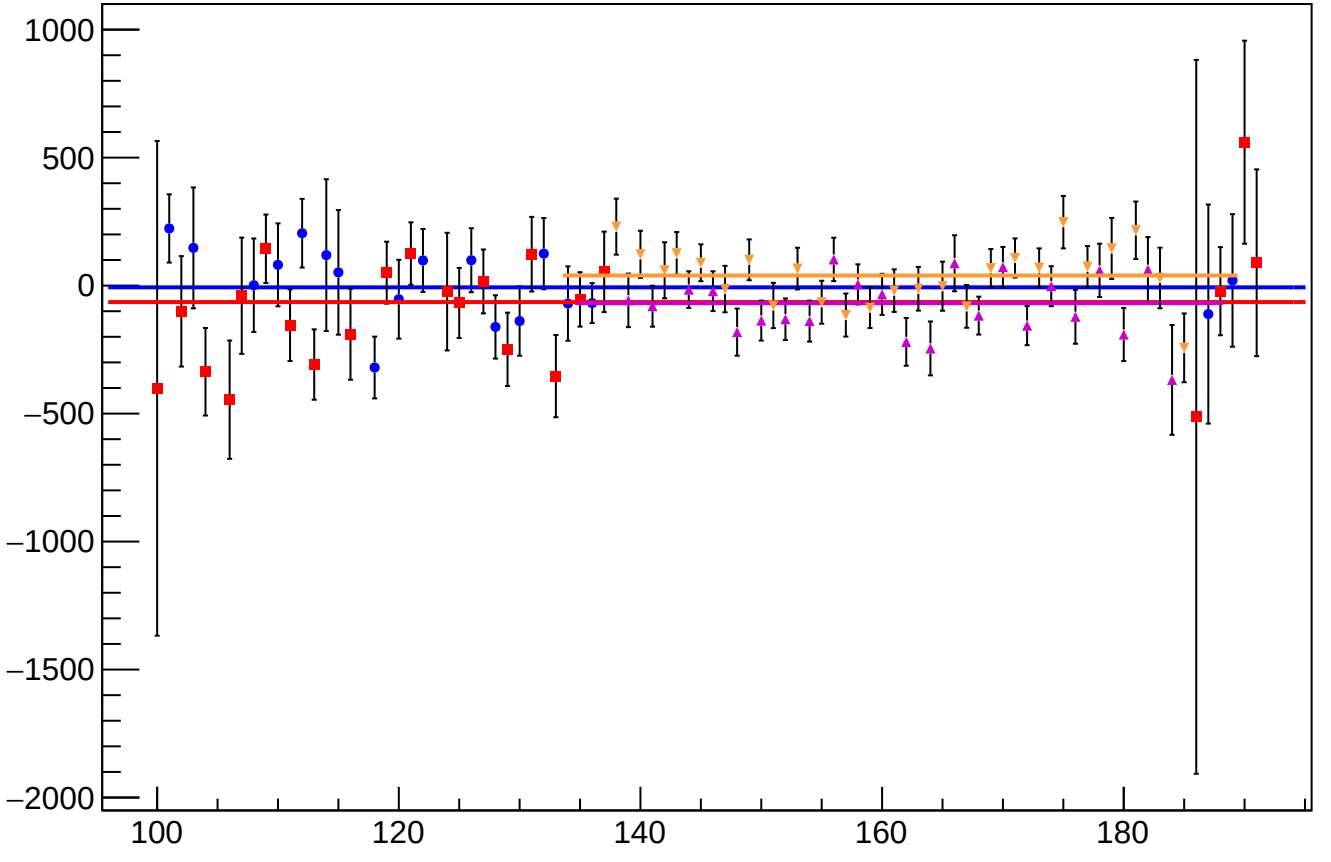
Left In: 679.413+/-0.114 χ^2/NDF:1185267.0/22

+ sign 742.660+/-0.106 χ^2/NDF: 5256807.5/42

All: 748.266+/-0.076 χ^2/NDF: 12039616.8/88

- sign 754.114+/-0.108 χ^2/NDF: 6777110.8/45

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: -64.284+/-33.906 χ^2/NDF: 25.6/22

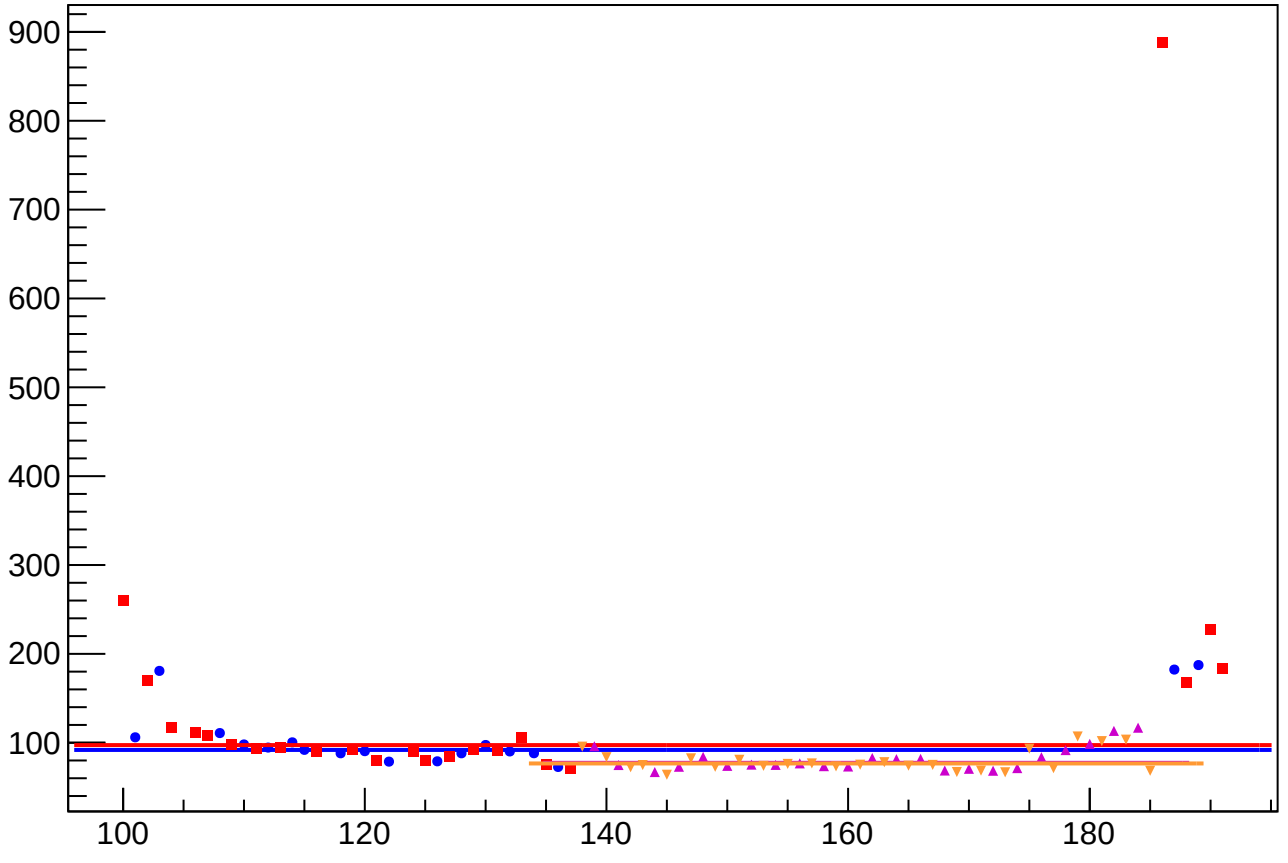
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 29.599+/-15.665 χ^2/NDF: 52.4/42

All: -17.641+/-11.233 χ^2/NDF: 125.8/88

- sign -67.640+/-16.116 χ^2/NDF: 54.6/45

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

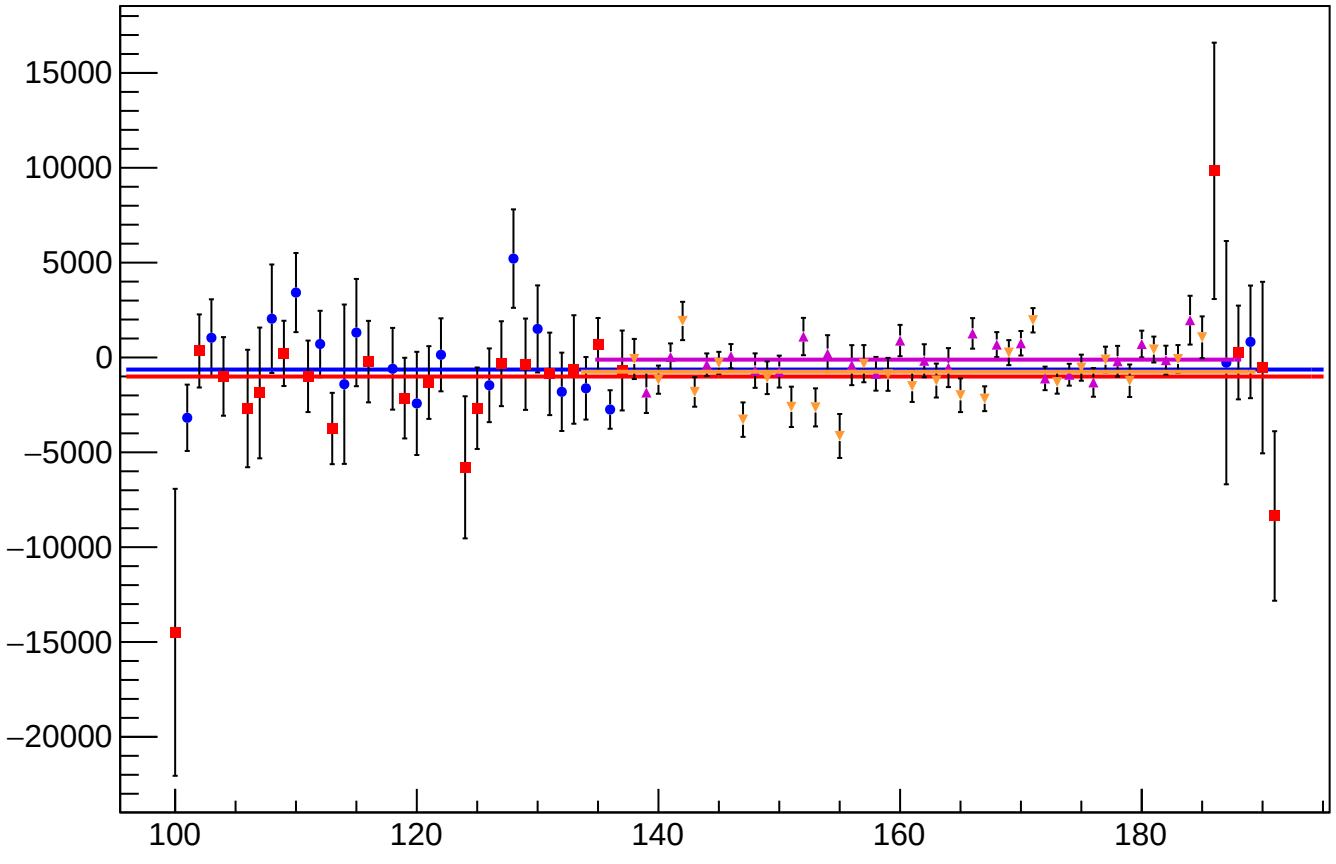
Right Out: 97.316+/-0.024 χ^2/NDF: 1890403.2/22

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 79.898+/-0.011 χ^2/NDF: 1840197.5/42

All: 80.851+/-0.008 χ^2/NDF: 4873180.2/88

- sign 81.859+/-0.011 χ^2/NDF: 3017750.4/45



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: -1004.685+/-480.416 χ^2/NDF: 16.5/22

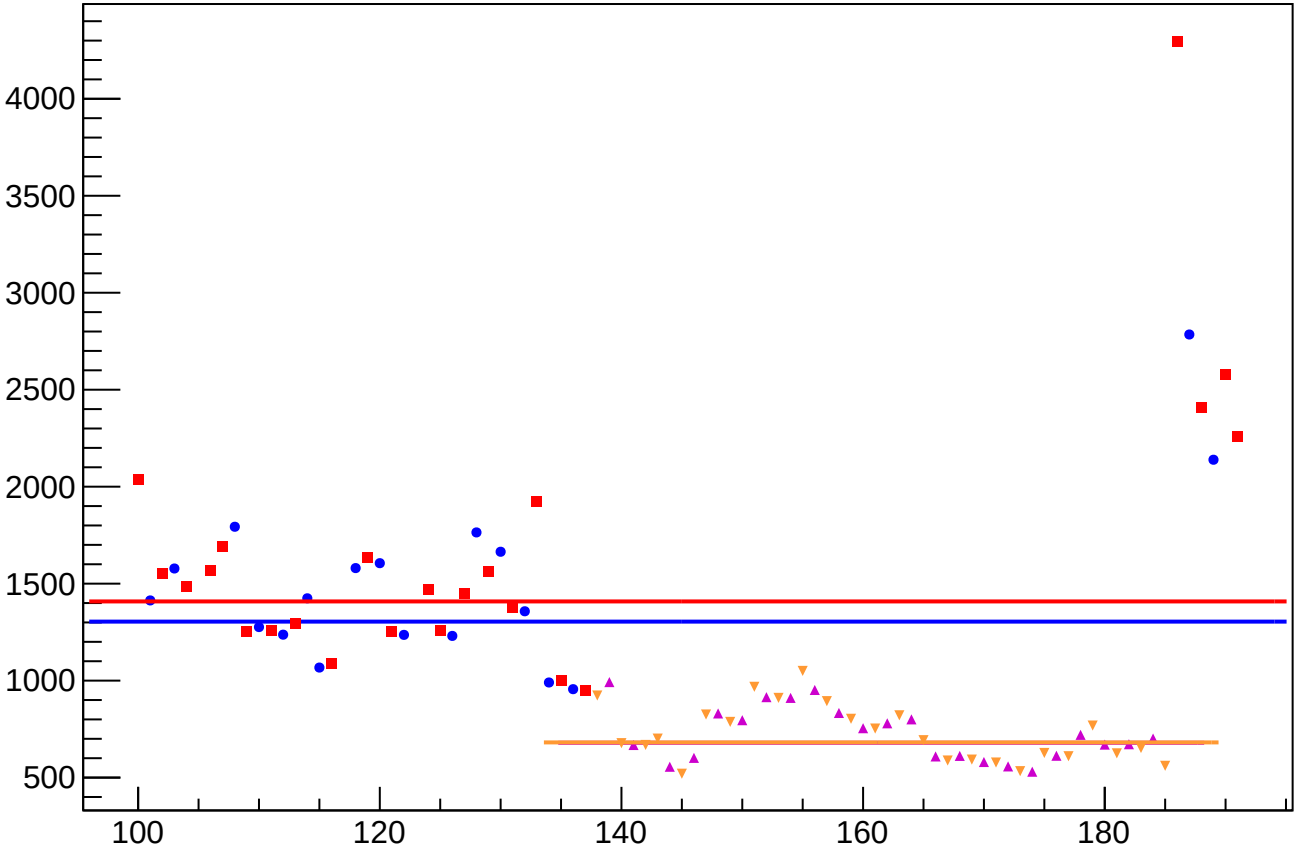
Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -738.468+/-150.109 χ^2/NDF: 90.5/42

All: -477.209+/-107.269 χ^2/NDF: 141.4/88

- sign -204.566+/-153.345 χ^2/NDF: 44.7/45

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: 1408.333+/-0.340 χ^2/NDF: 1409110.4/22

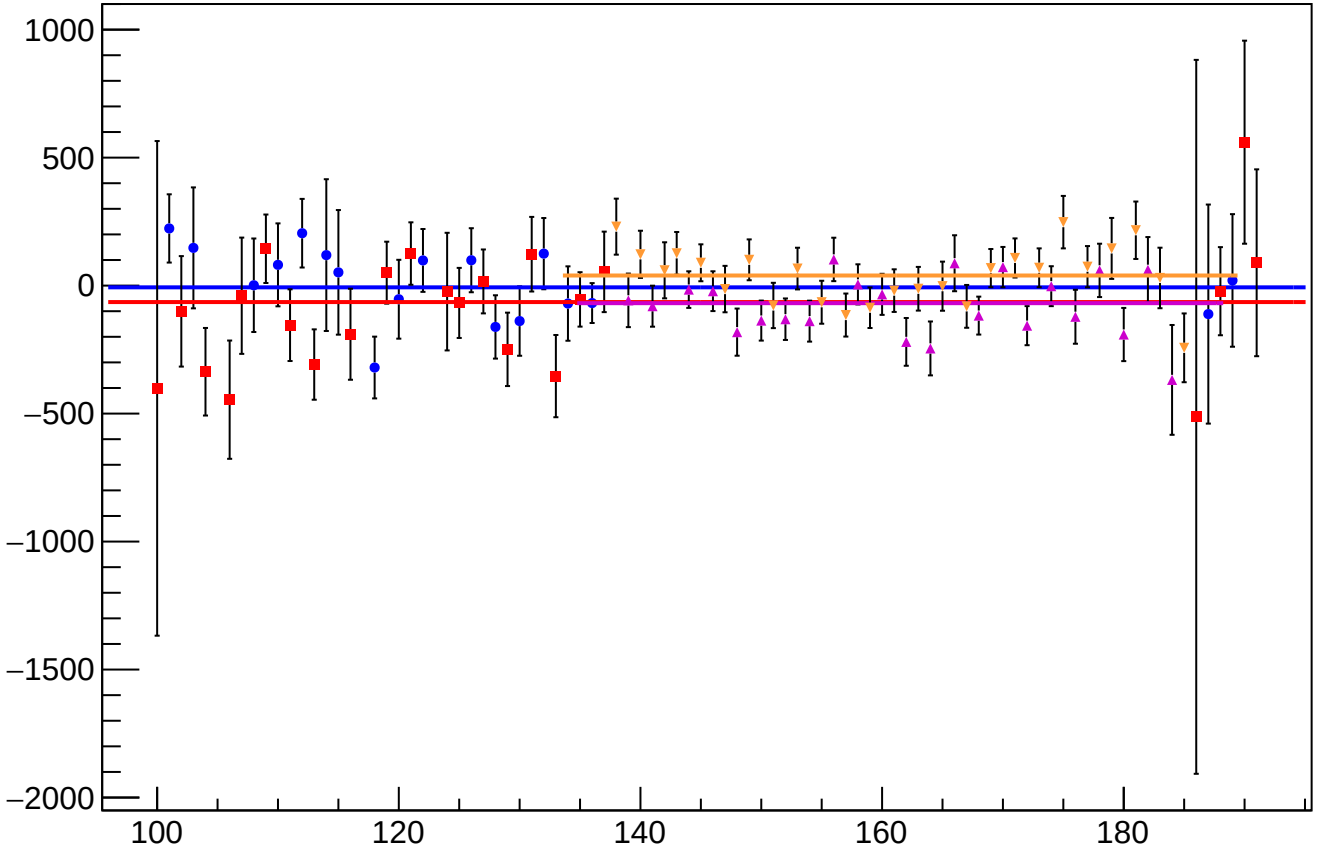
Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

+ sign 742.660+/-0.106 χ^2/NDF: 5256850.1/42

All: 748.052+/-0.076 χ^2/NDF: 11991601.9/88

- sign 753.678+/-0.108 χ^2/NDF: 6729478.6/45

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: -64.284+/-33.906 χ^2/NDF: 25.6/22

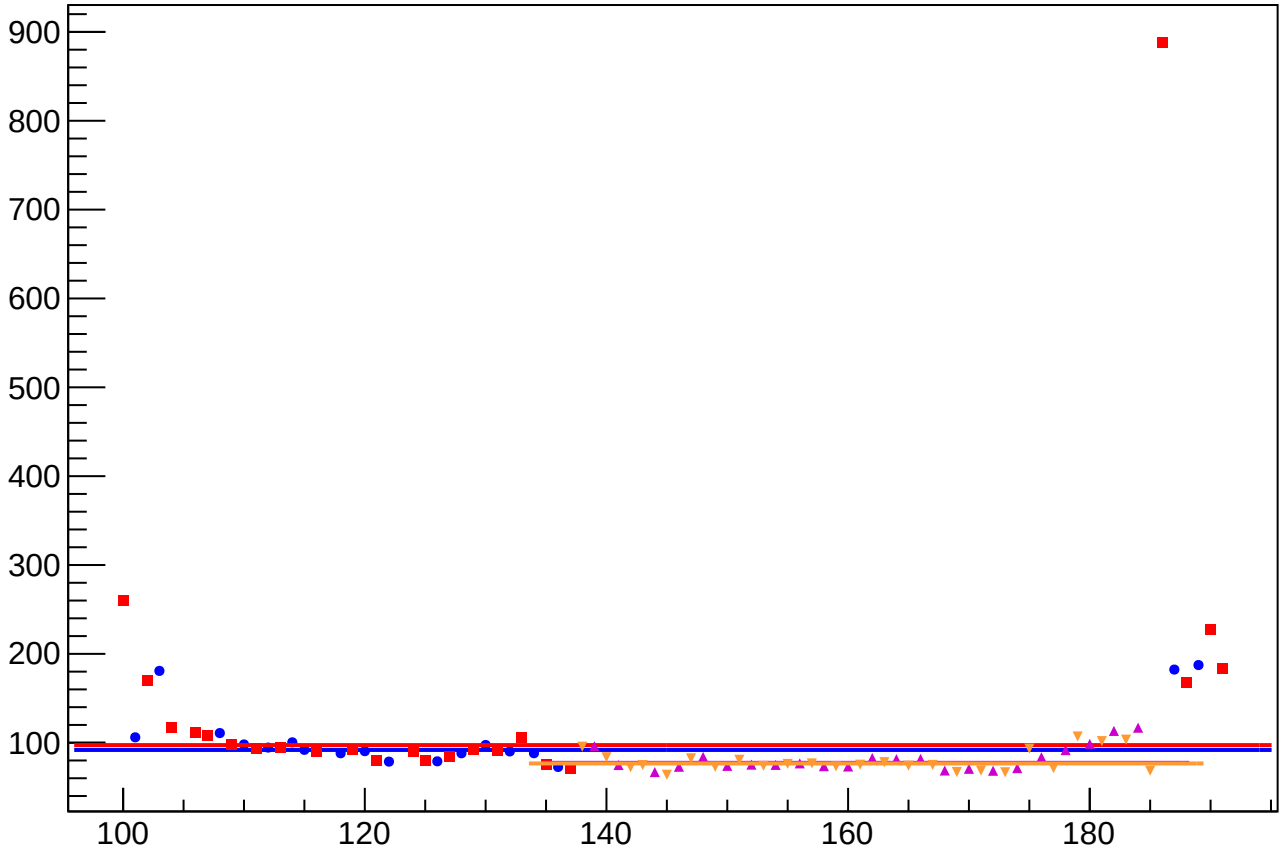
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 29.599+/-15.665 χ^2/NDF: 52.4/42

All: -17.641+/-11.233 χ^2/NDF: 125.8/88

- sign -67.640+/-16.116 χ^2/NDF: 54.6/45

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

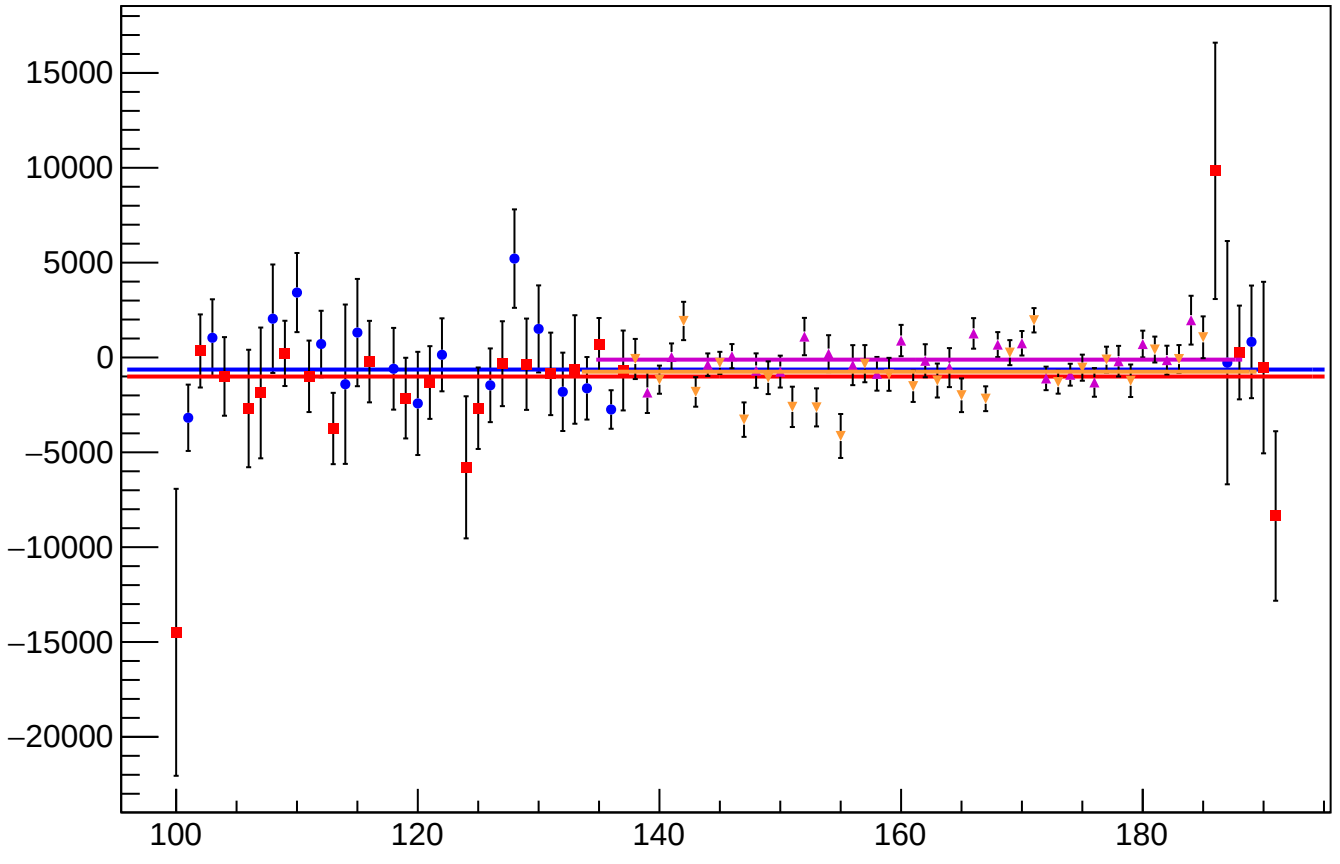
Right Out: 97.316+/-0.024 χ^2/NDF: 1890403.2/22

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 79.898+/-0.011 χ^2/NDF: 1840197.5/42

All: 80.851+/-0.008 χ^2/NDF: 4873180.2/88

- sign 81.859+/-0.011 χ^2/NDF: 3017750.4/45



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: -1004.685+/-480.416 χ^2/NDF: 16.5/22

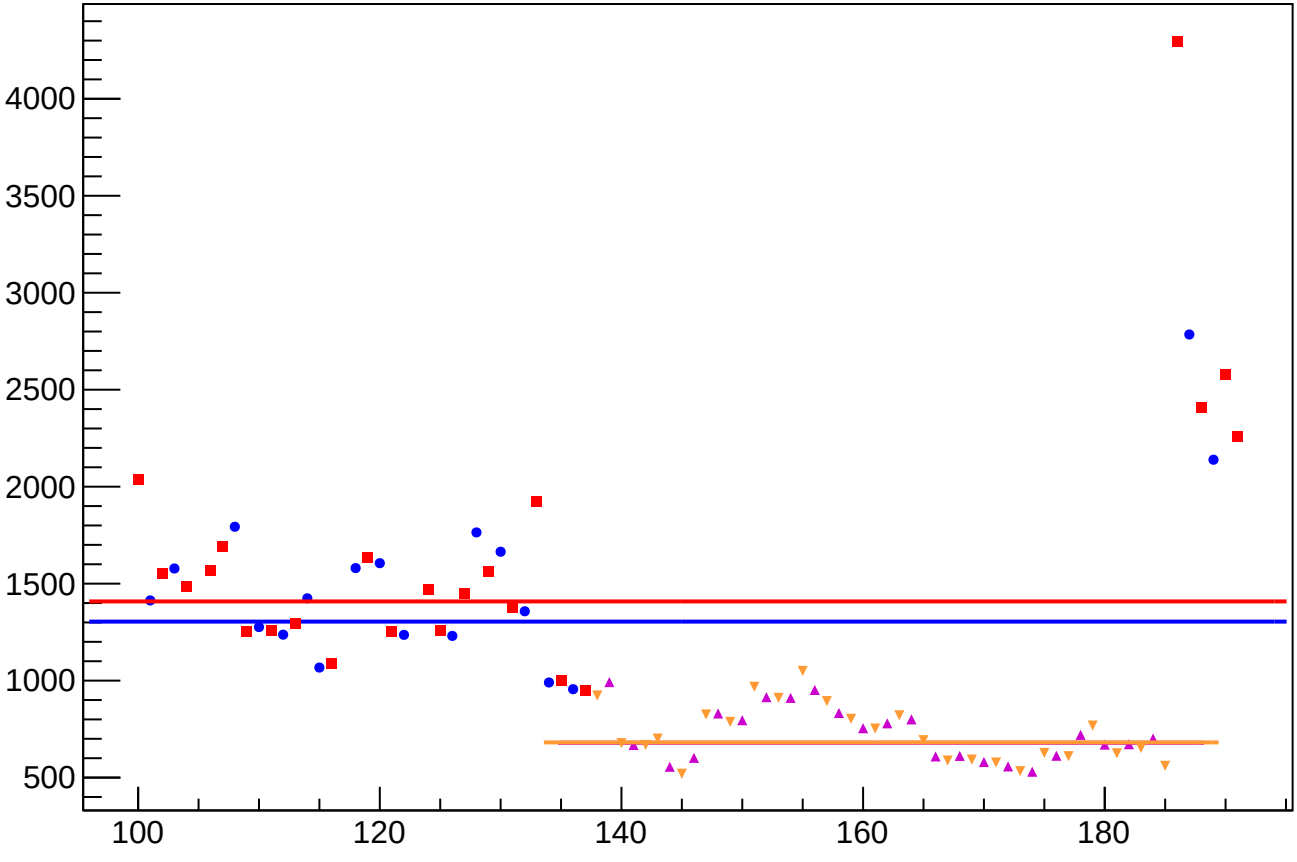
Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -738.468+/-150.109 χ^2/NDF: 90.5/42

All: -477.209+/-107.269 χ^2/NDF: 141.4/88

- sign -204.566+/-153.345 χ^2/NDF: 44.7/45

asym_sam_2468_avg_eigen_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: 1408.333+/-0.340 χ^2/NDF: 1409110.4/22

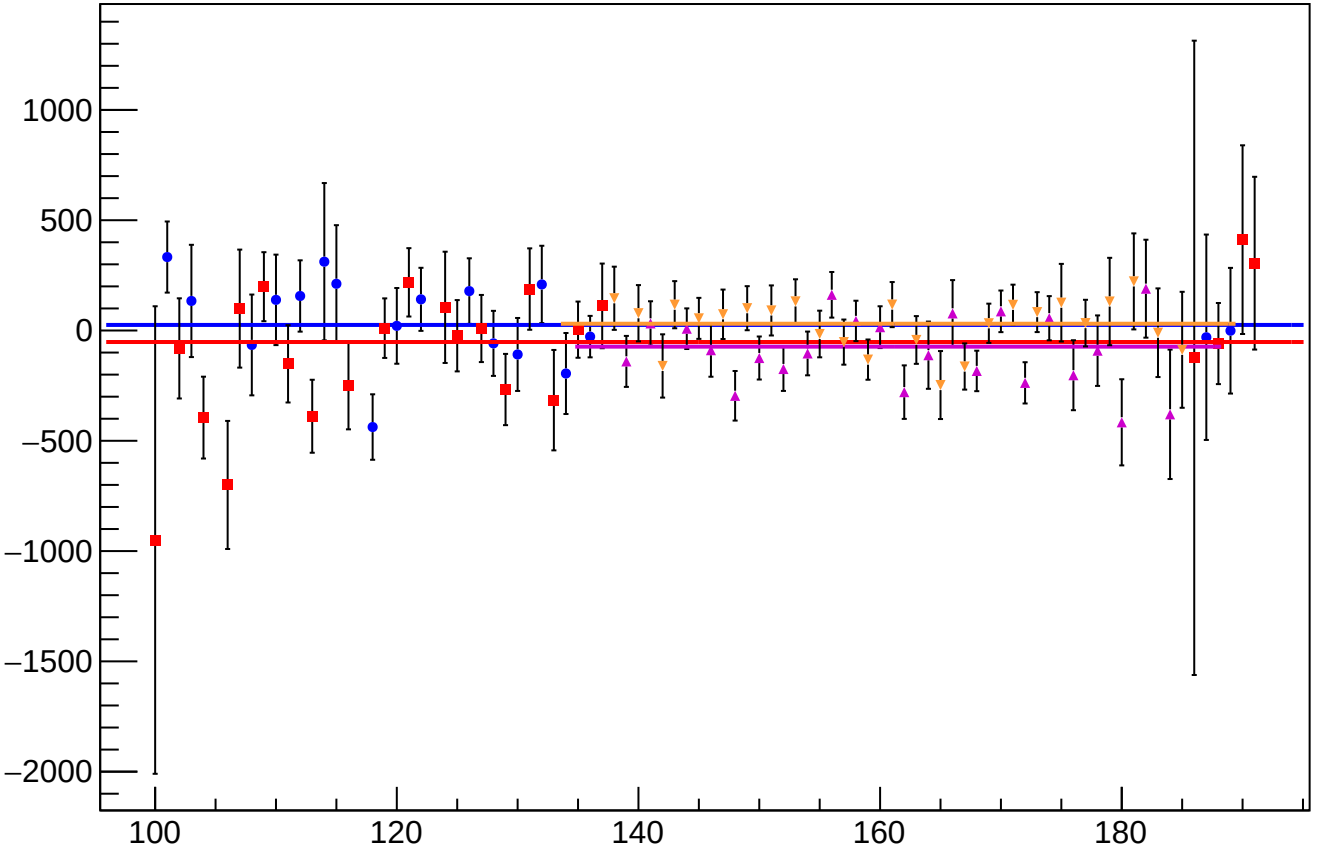
Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

+ sign 742.660+/-0.106 χ^2/NDF: 5256850.1/42

All: 748.052+/-0.076 χ^2/NDF: 11991601.9/88

- sign 753.678+/-0.108 χ^2/NDF: 6729478.6/45

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: -52.145+/-40.100 χ^2/NDF: 29.0/22

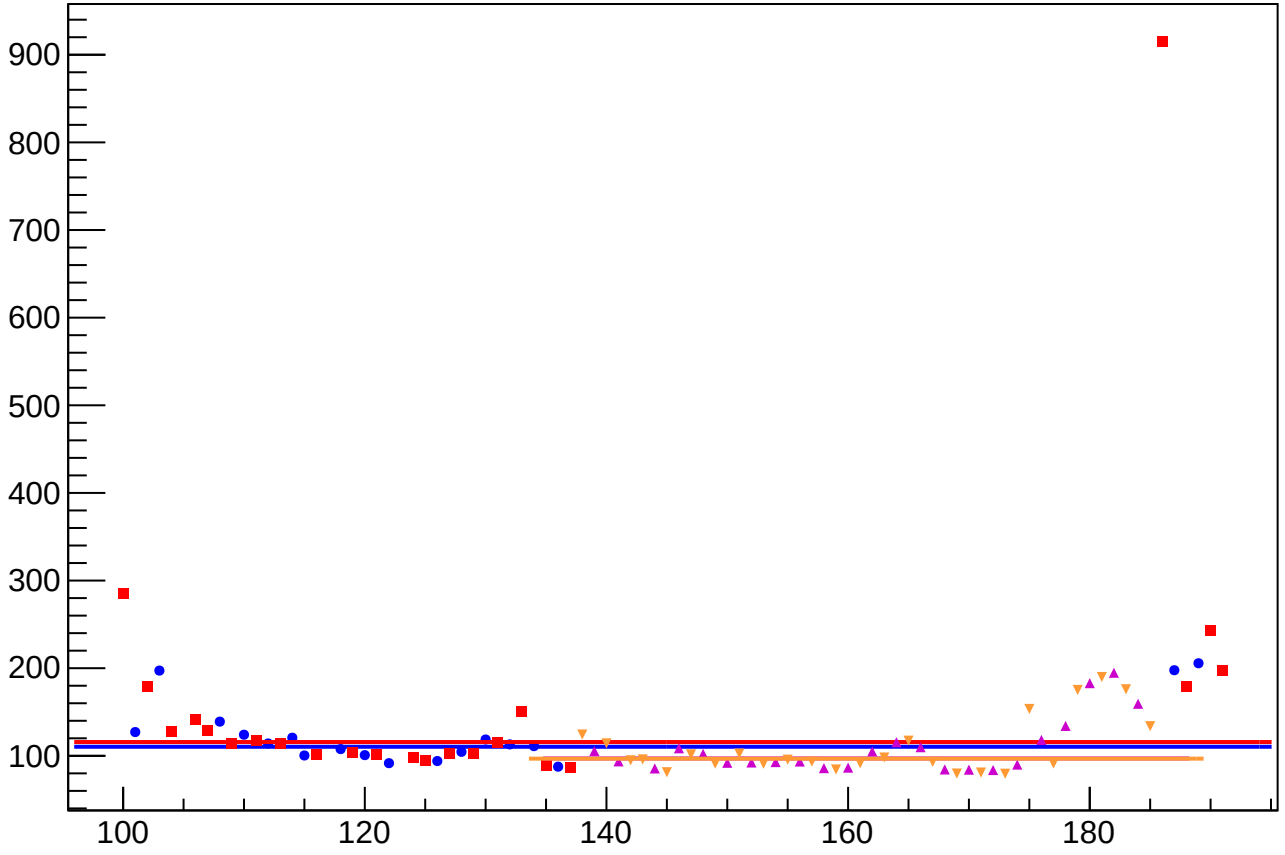
Left In: -73.147+/-23.510 χ^2/NDF:34.5/22

+ sign 29.382+/-19.921 χ^2/NDF: 41.3/42

All: -18.326+/-14.212 χ^2/NDF: 116.8/88

- sign -67.775+/-20.282 χ^2/NDF: 63.8/45

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

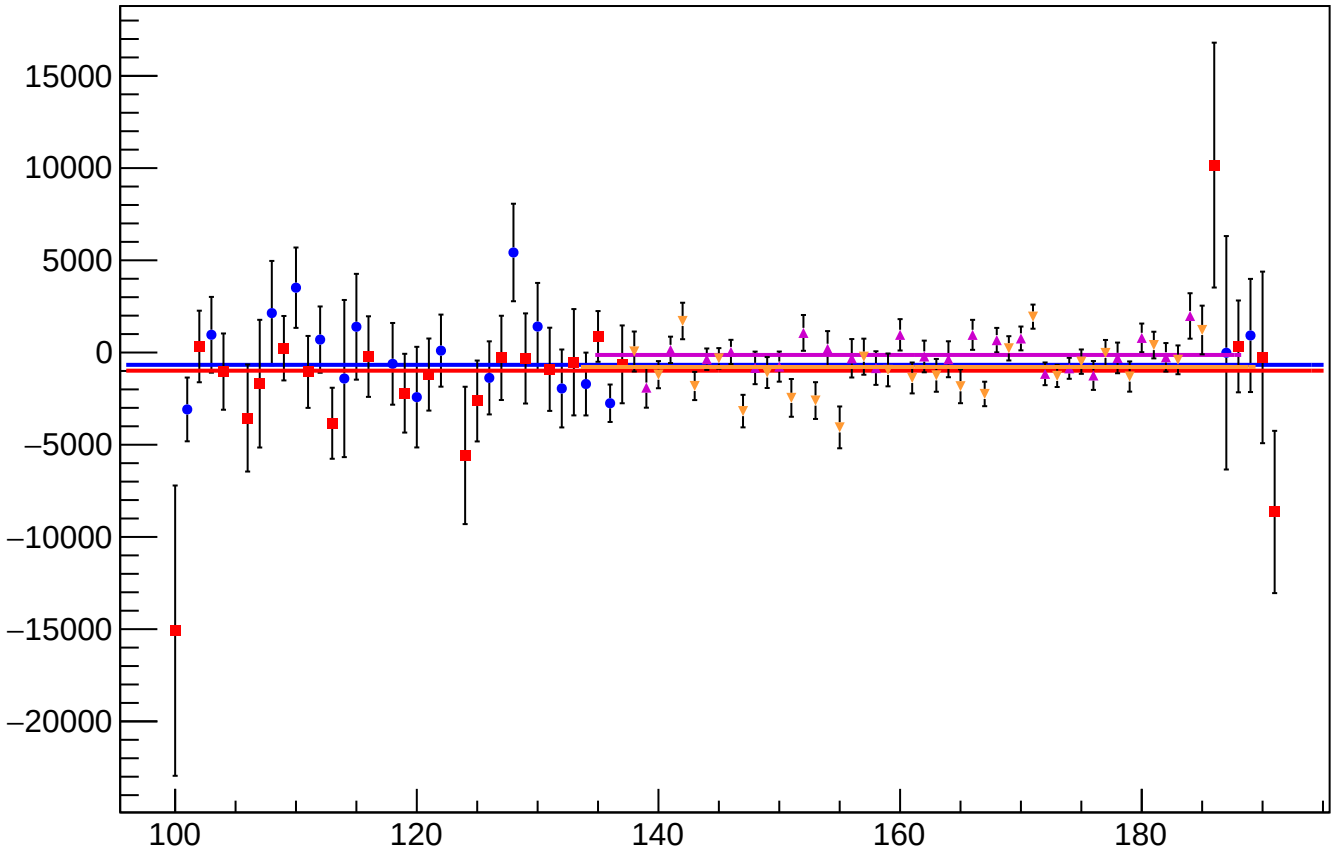
Right Out: 115.759+/-0.028 χ^2/NDF: 1654247.1/22

Left In: 97.017+/-0.017 χ^2/NDF:1321187.5/22

+ sign 100.054+/-0.014 χ^2/NDF: 2675422.8/42

All: 100.917+/-0.010 χ^2/NDF: 5983655.0/88

- sign 101.811+/-0.014 χ^2/NDF: 3300591.0/45



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: -984.739+/-484.501 χ^2/NDF: 17.9/22

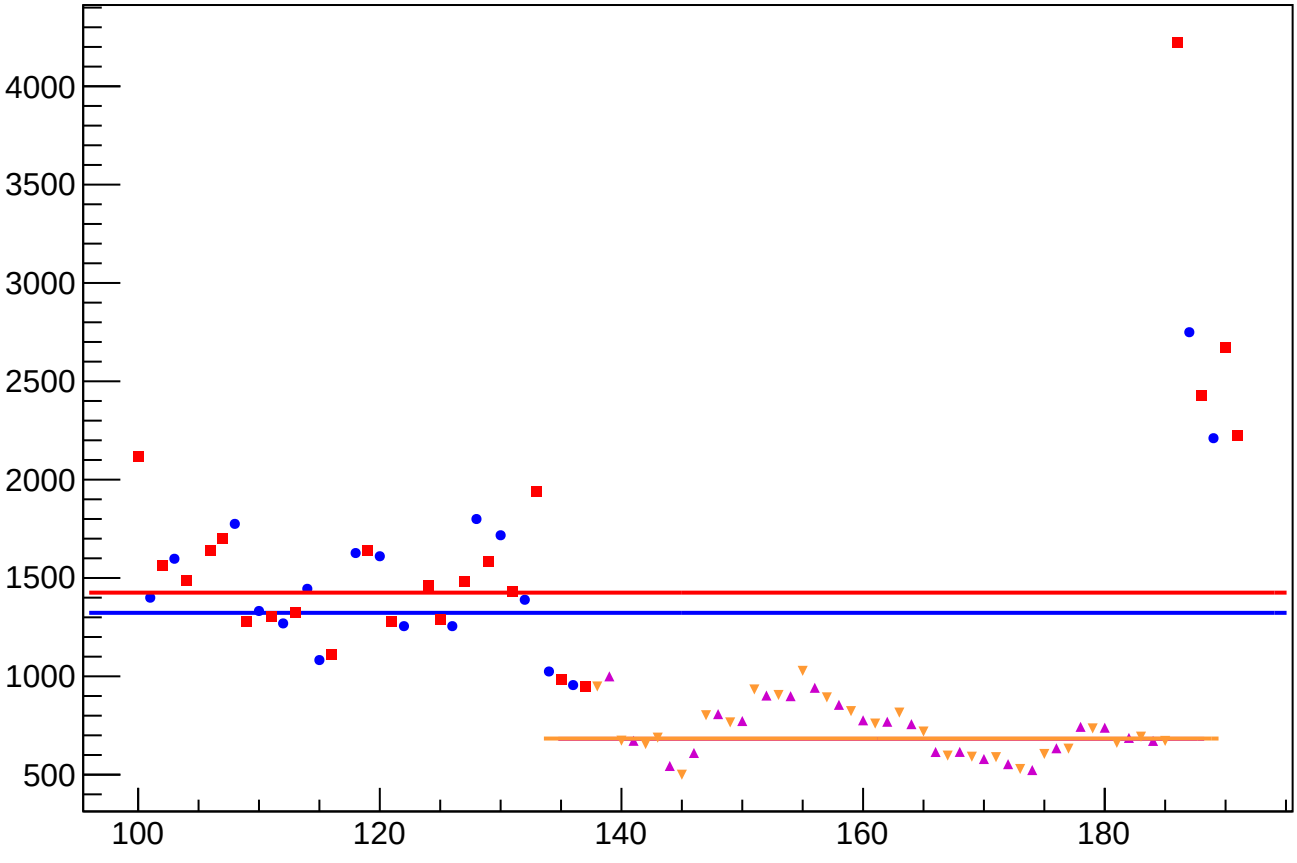
Left In: -131.380+/-162.409 χ^2/NDF:24.3/22

+ sign -772.606+/-150.528 χ^2/NDF: 86.8/42

All: -501.399+/-107.642 χ^2/NDF: 138.4/88

- sign -217.582+/-153.988 χ^2/NDF: 45.0/45

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: 1425.518+/-0.343 χ^2/NDF: 1431363.5/22

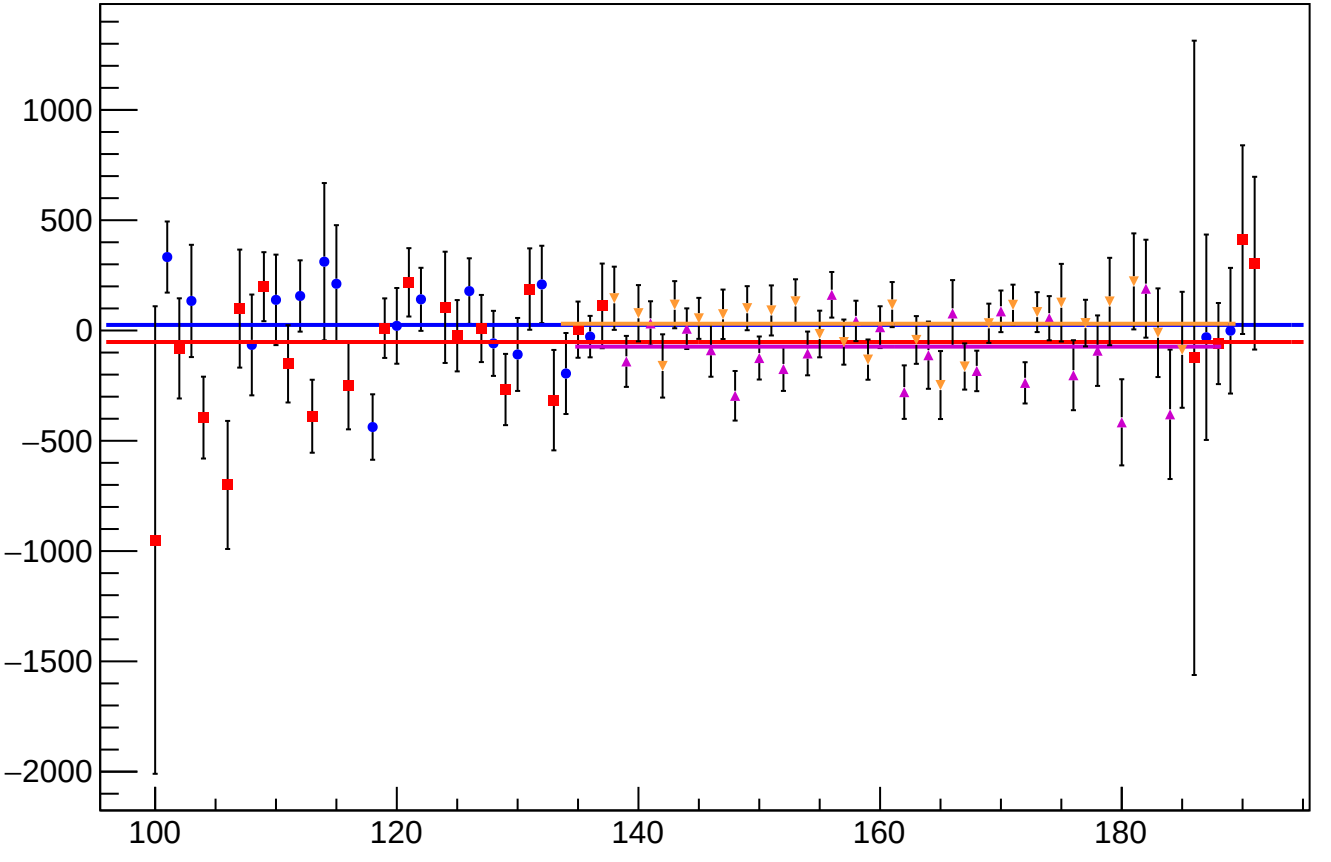
Left In: 681.961+/-0.115 χ^2/NDF:1186135.0/22

+ sign 745.124+/-0.106 χ^2/NDF: 5318629.0/42

All: 750.962+/-0.076 χ^2/NDF: 12176963.4/88

- sign 757.072+/-0.109 χ^2/NDF: 6852177.5/45

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: -52.144+/-40.100 χ^2/NDF: 29.0/22

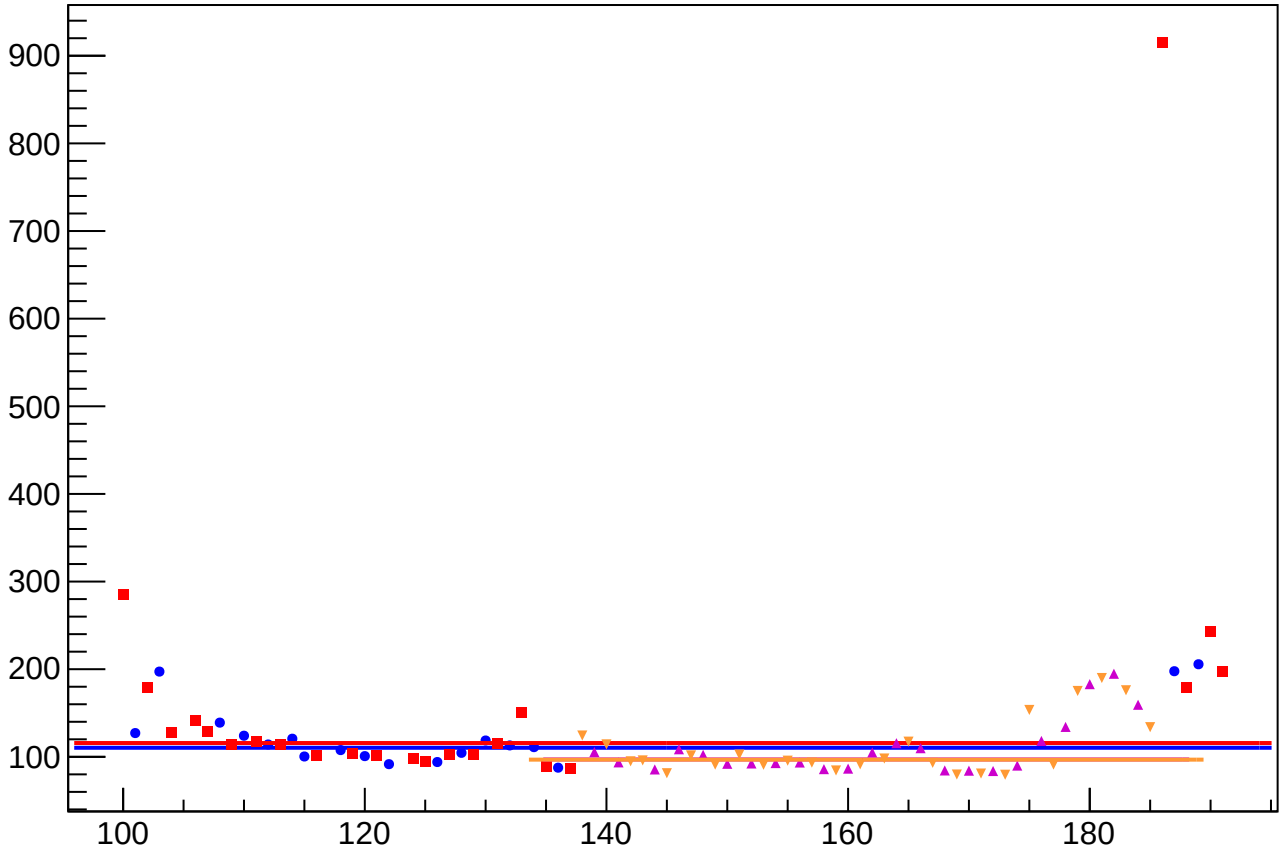
Left In: -73.146+/-23.510 χ^2/NDF:34.5/22

+ sign 29.382+/-19.921 χ^2/NDF: 41.3/42

All: -18.325+/-14.212 χ^2/NDF: 116.8/88

- sign -67.774+/-20.282 χ^2/NDF: 63.8/45

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

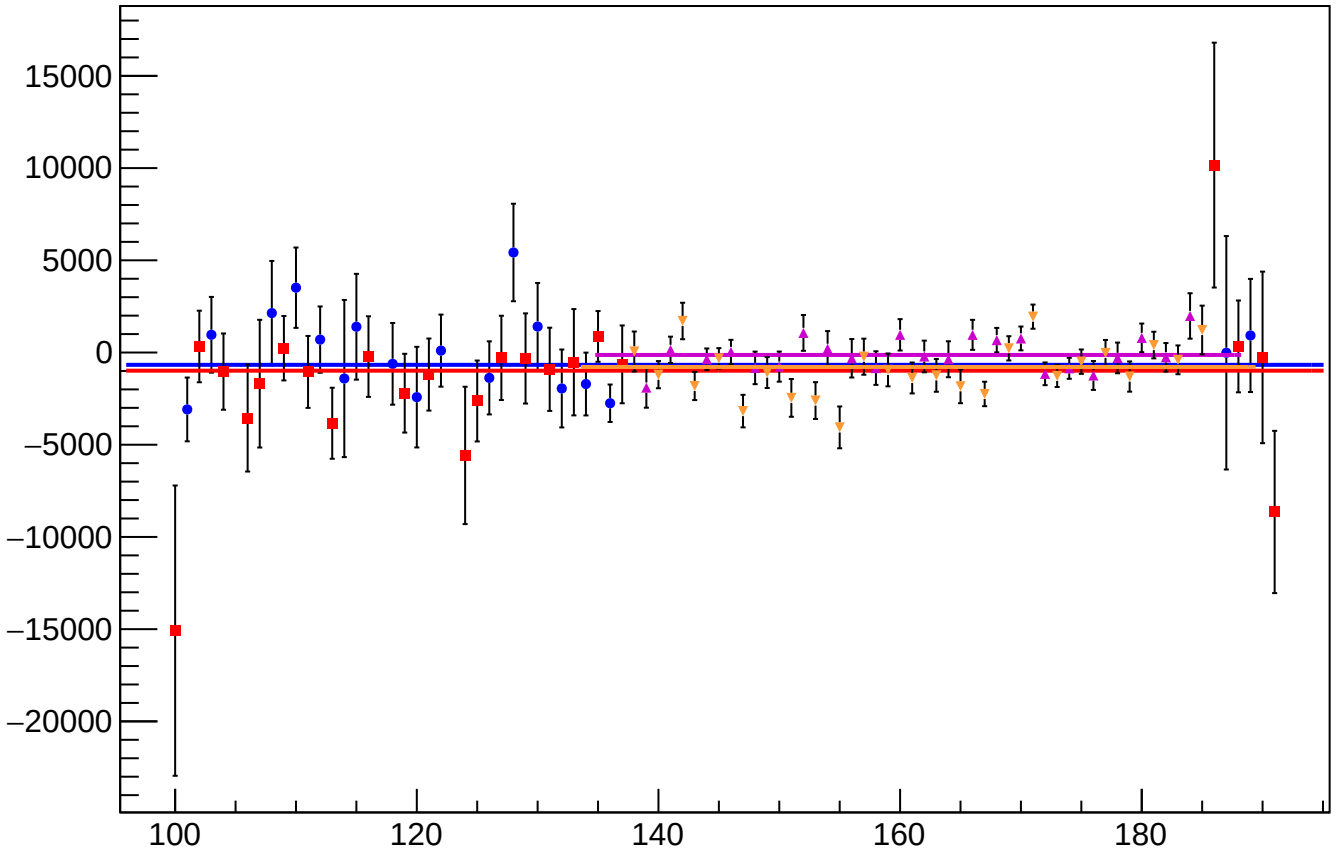
Right Out: 115.759+/-0.028 χ^2/NDF: 1654255.4/22

Left In: 97.017+/-0.017 χ^2/NDF:1321171.2/22

+ sign 100.054+/-0.014 χ^2/NDF: 2675389.8/42

All: 100.917+/-0.010 χ^2/NDF: 5983583.2/88

- sign 101.811+/-0.014 χ^2/NDF: 3300551.9/45



Right In: -667.731+/-485.560 χ^2/NDF: 20.4/17

Left Out: -783.754+/-158.328 χ^2/NDF:66.3/24

Right Out: -984.738+/-484.500 χ^2/NDF: 17.9/22

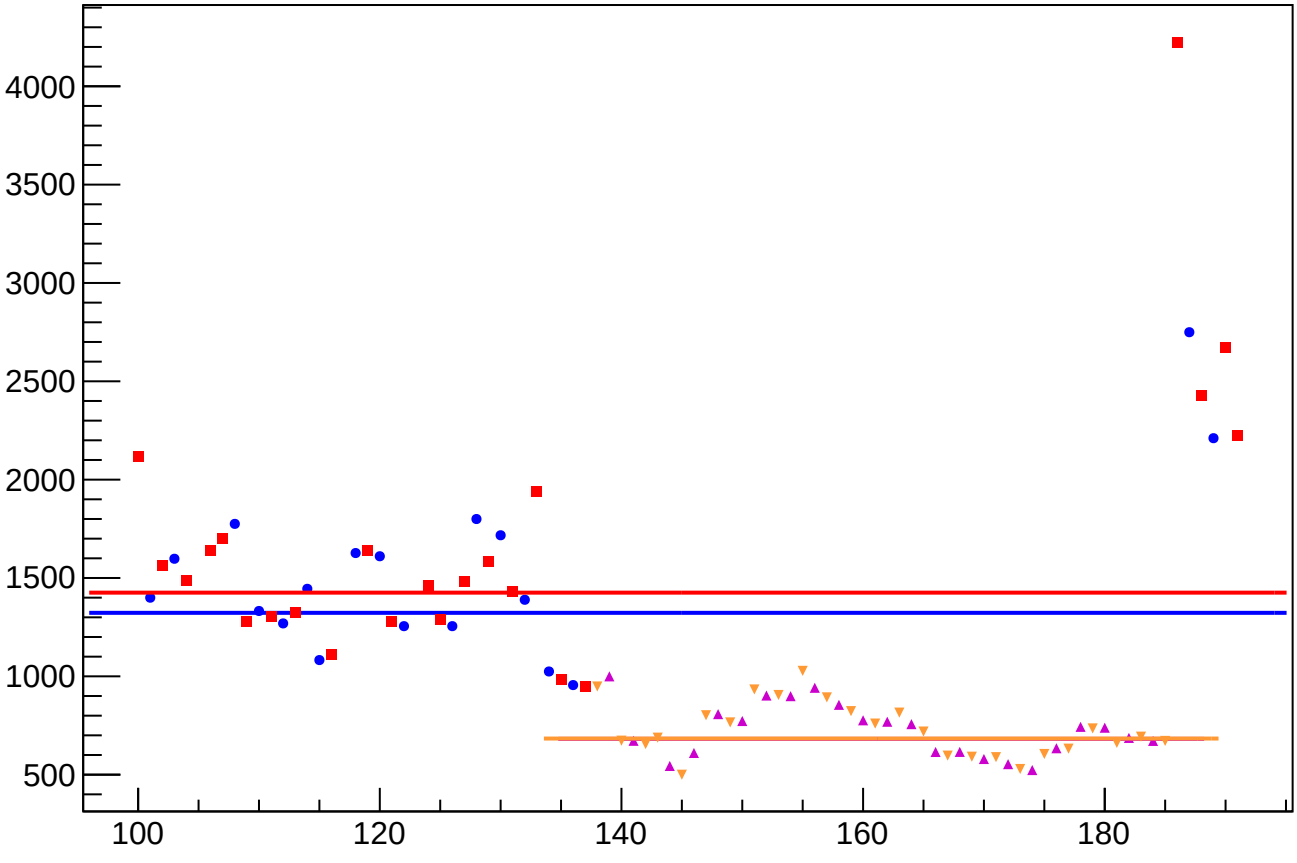
Left In: -131.379+/-162.409 χ^2/NDF:24.3/22

+ sign -772.604+/-150.528 χ^2/NDF: 86.8/42

All: -501.397+/-107.642 χ^2/NDF: 138.4/88

- sign -217.581+/-153.988 χ^2/NDF: 45.0/45

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: 1425.515+/-0.343 χ^2/NDF: 1431365.3/22

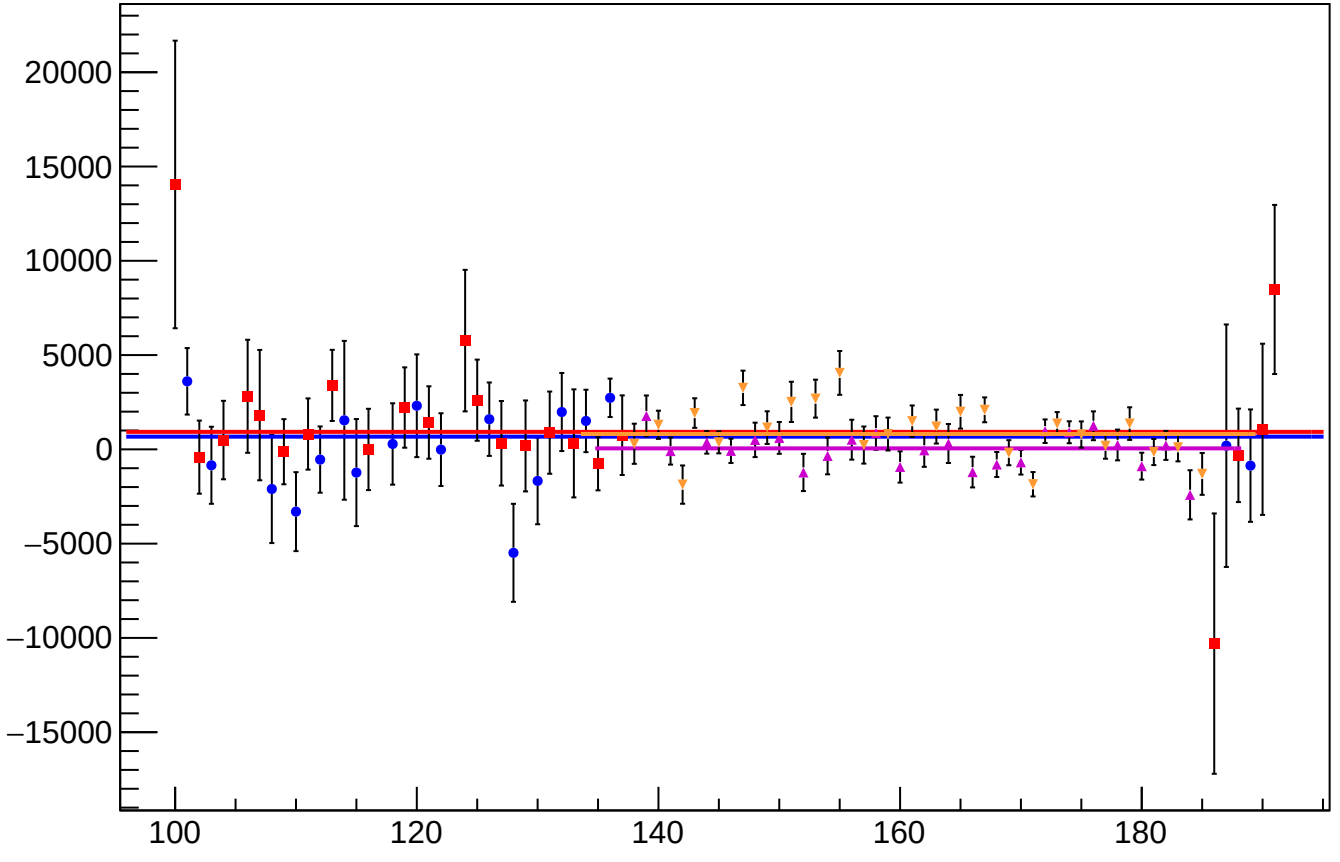
Left In: 681.960+/-0.115 χ^2/NDF:1186136.6/22

+ sign 745.122+/-0.106 χ^2/NDF: 5318633.8/42

All: 750.960+/-0.076 χ^2/NDF: 12176970.4/88

- sign 757.070+/-0.109 χ^2/NDF: 6852179.6/45

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: 928.280+/-481.493 χ^2/NDF: 16.3/22

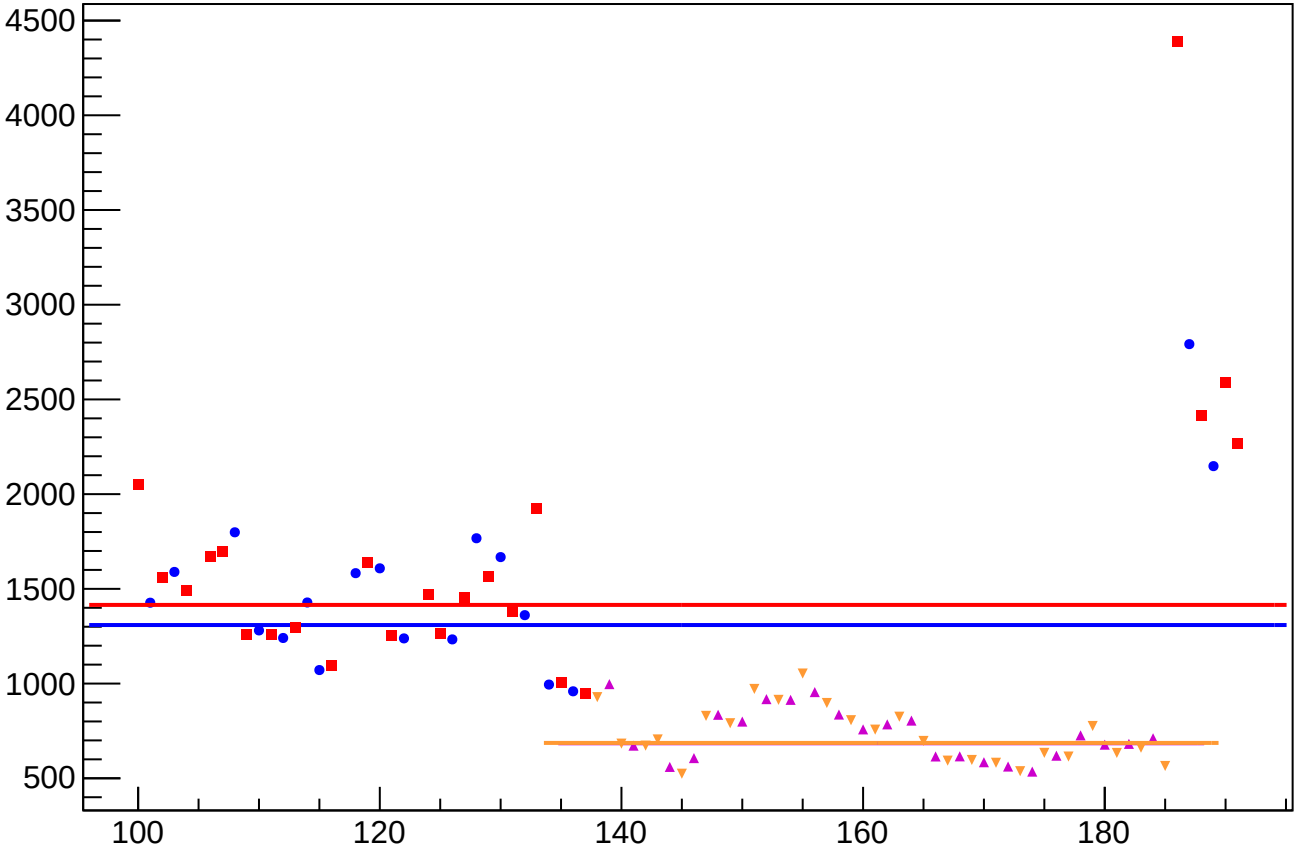
Left In: 52.290+/-163.036 χ^2/NDF:25.4/22

+ sign 800.164+/-151.168 χ^2/NDF: 87.1/42

All: 478.285+/-108.025 χ^2/NDF: 141.0/88

- sign 142.394+/-154.423 χ^2/NDF: 44.7/45

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

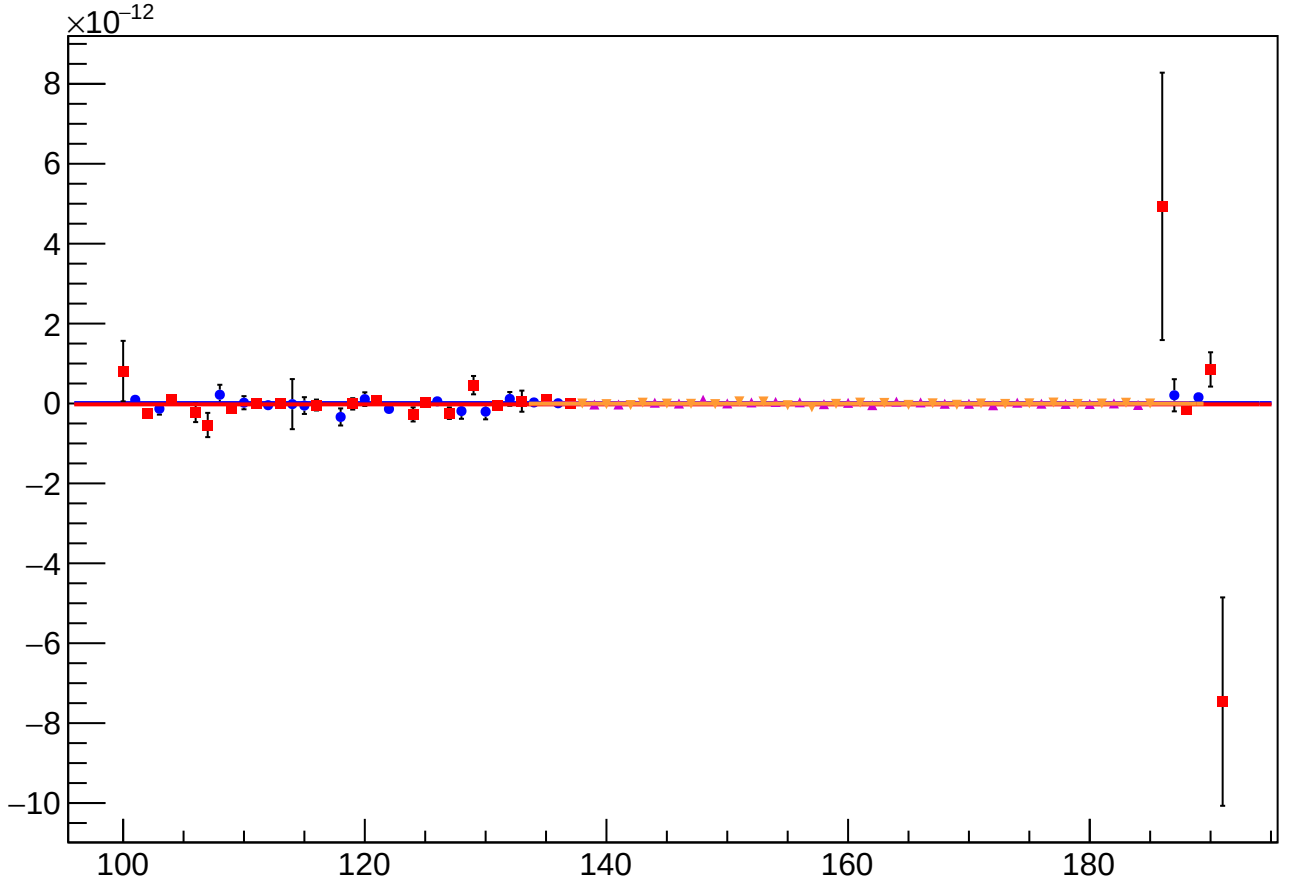
Right Out: 1415.225+/-0.340 χ^2/NDF: 1425772.0/22

Left In: 684.763+/-0.115 χ^2/NDF:1165205.5/22

+ sign 748.304+/-0.107 χ^2/NDF: 5205968.8/42

All: 753.978+/-0.076 χ^2/NDF: 11932277.4/88

- sign 759.899+/-0.109 χ^2/NDF: 6720550.9/45



Right In: 0.000+/-0.000 χ^2/NDF: 13.2/17

Left Out: -0.000+/-0.000 χ^2/NDF:16.5/24

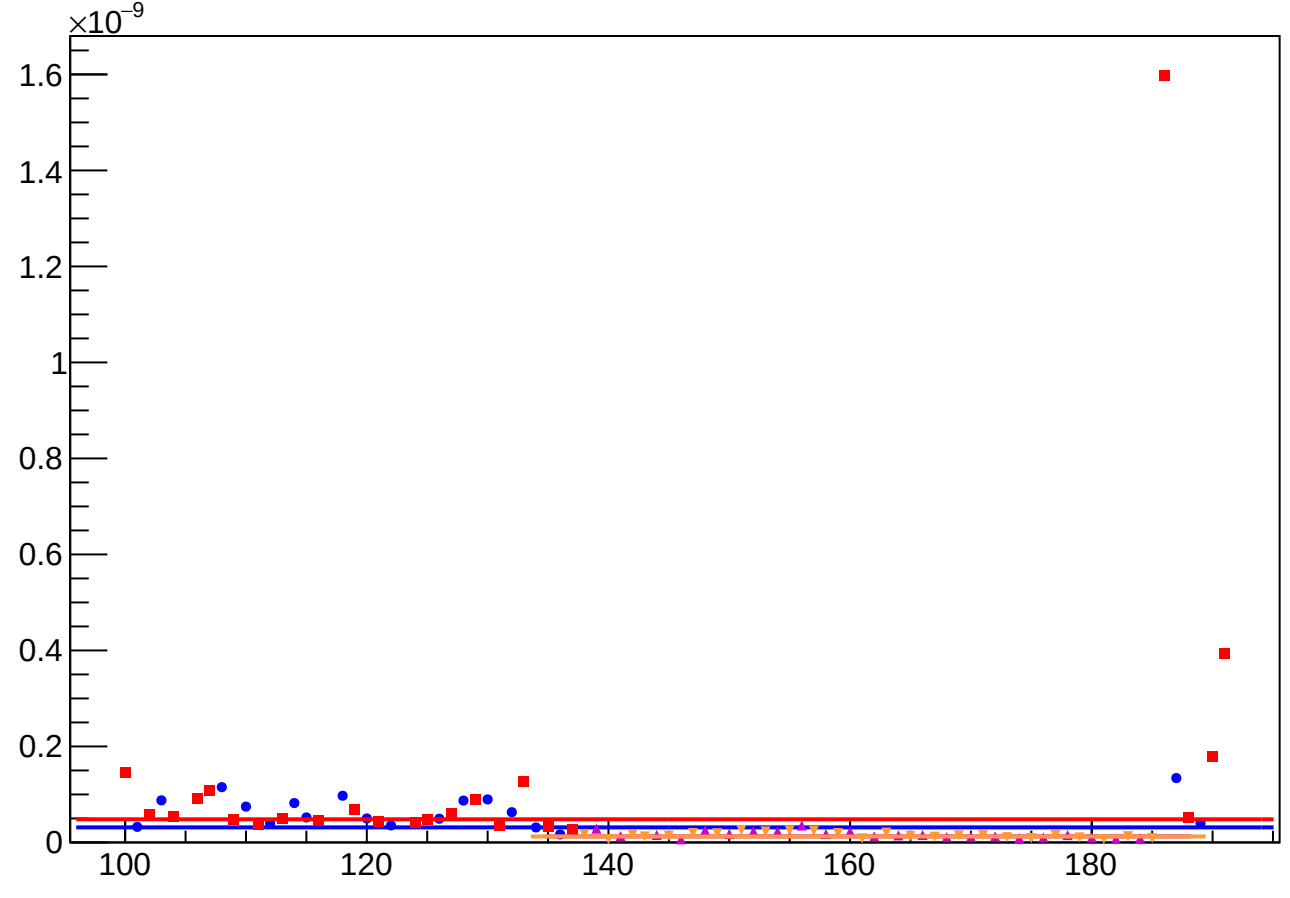
Right Out: -0.000+/-0.000 χ^2/NDF: 39.9/22

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: 91.3/88

- sign -0.000+/-0.000 χ^2/NDF: 61.1/45



Right In: 0.000+/-0.000 χ^2/NDF: 2054911.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:1742020.0/24

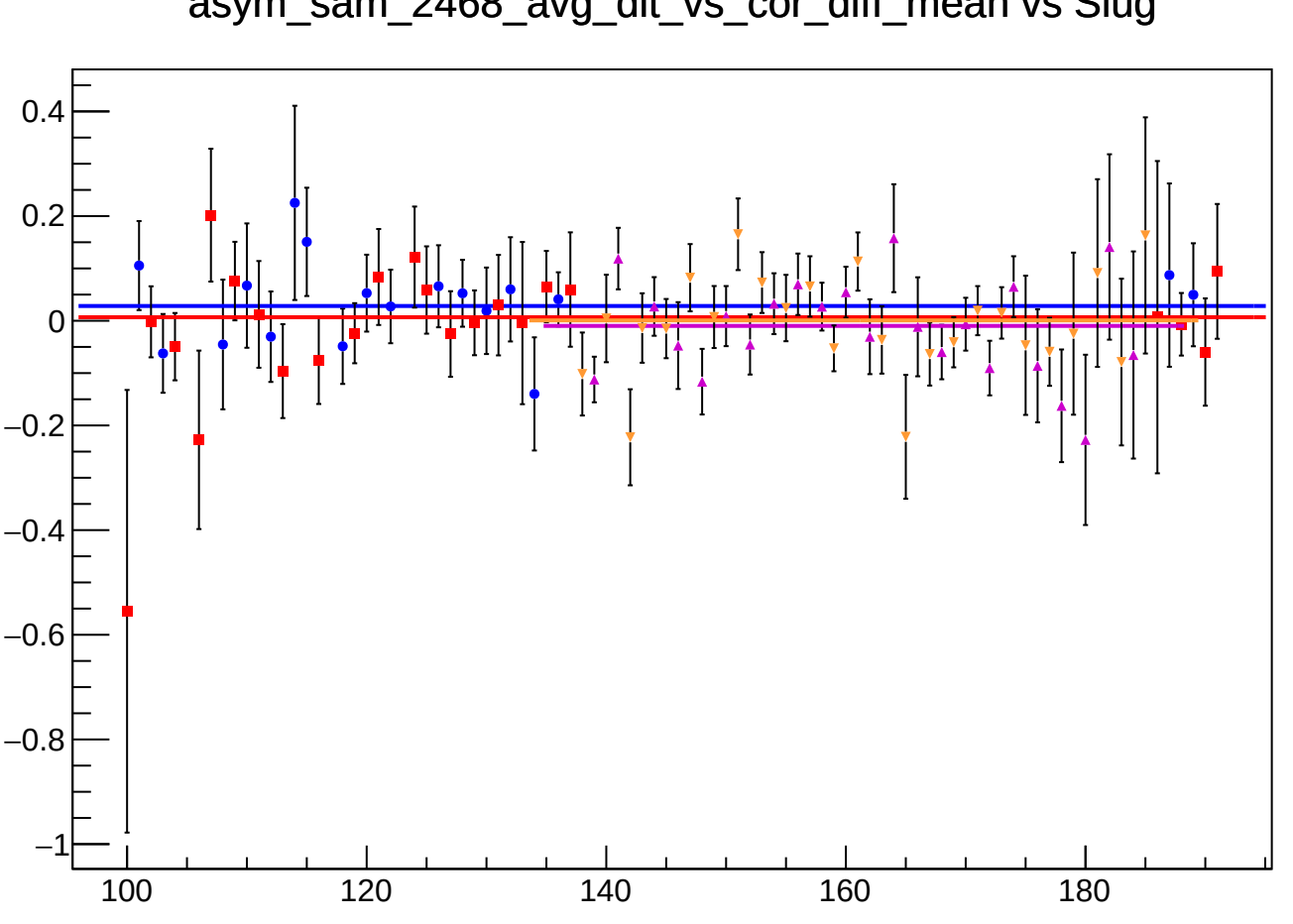
Right Out: 0.000+/-0.000 χ^2/NDF: 1374711.5/22

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: 11885911.9/88

- sign 0.000+/-0.000 χ^2/NDF: 6584016.3/45



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: 14.9/22

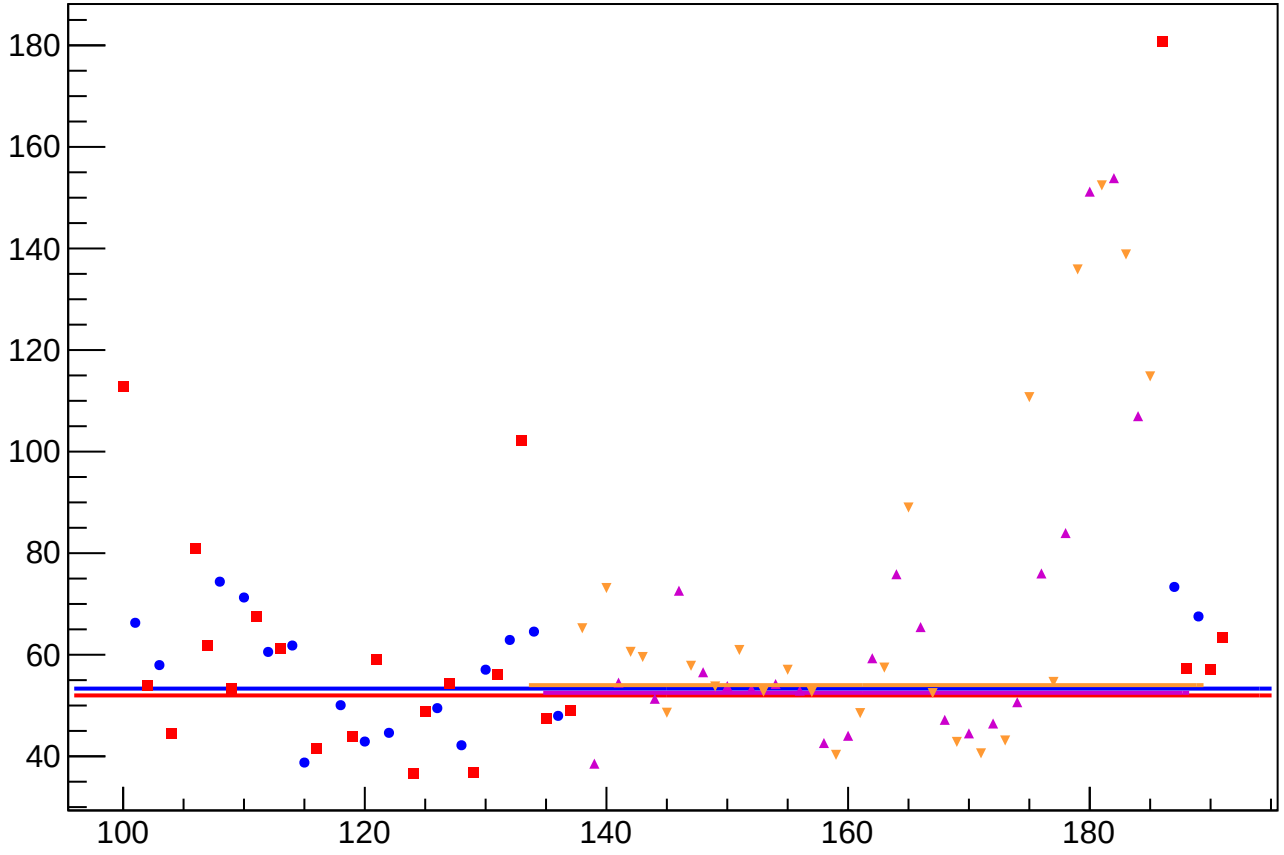
Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.009+/-0.011 χ^2/NDF: 43.1/42

All: 0.002+/-0.008 χ^2/NDF: 91.2/88

- sign -0.004+/-0.011 χ^2/NDF: 47.3/45

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

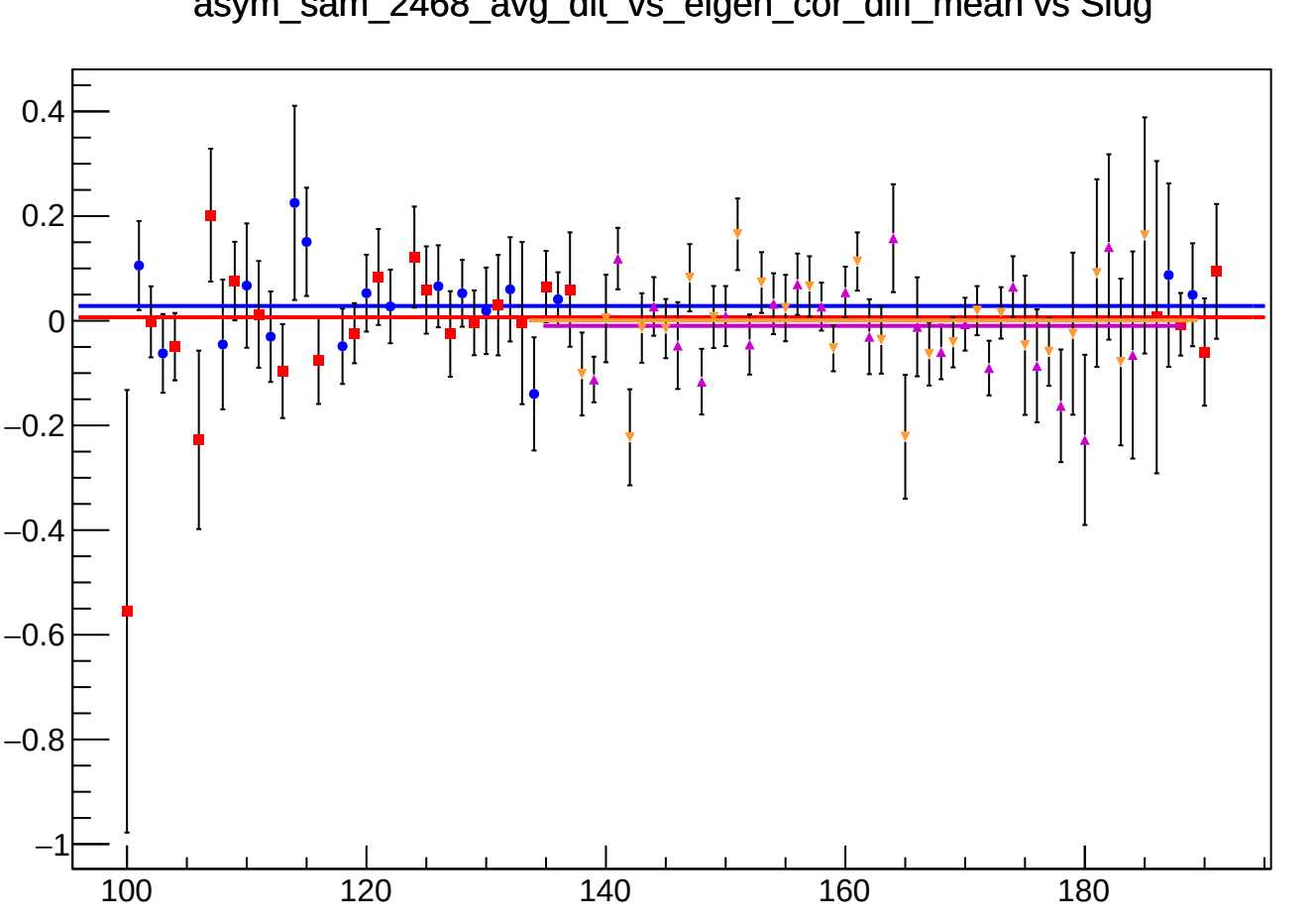
Right Out: 51.987+/-0.013 χ^2/NDF: 1098738.4/22

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

+ sign 53.804+/-0.008 χ^2/NDF: 3718744.5/42

All: 53.039+/-0.005 χ^2/NDF: 7395027.7/88

- sign 52.322+/-0.008 χ^2/NDF: 3657564.4/45



Right In: 0.028+/-0.020 χ^2/NDF: 10.1/17

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

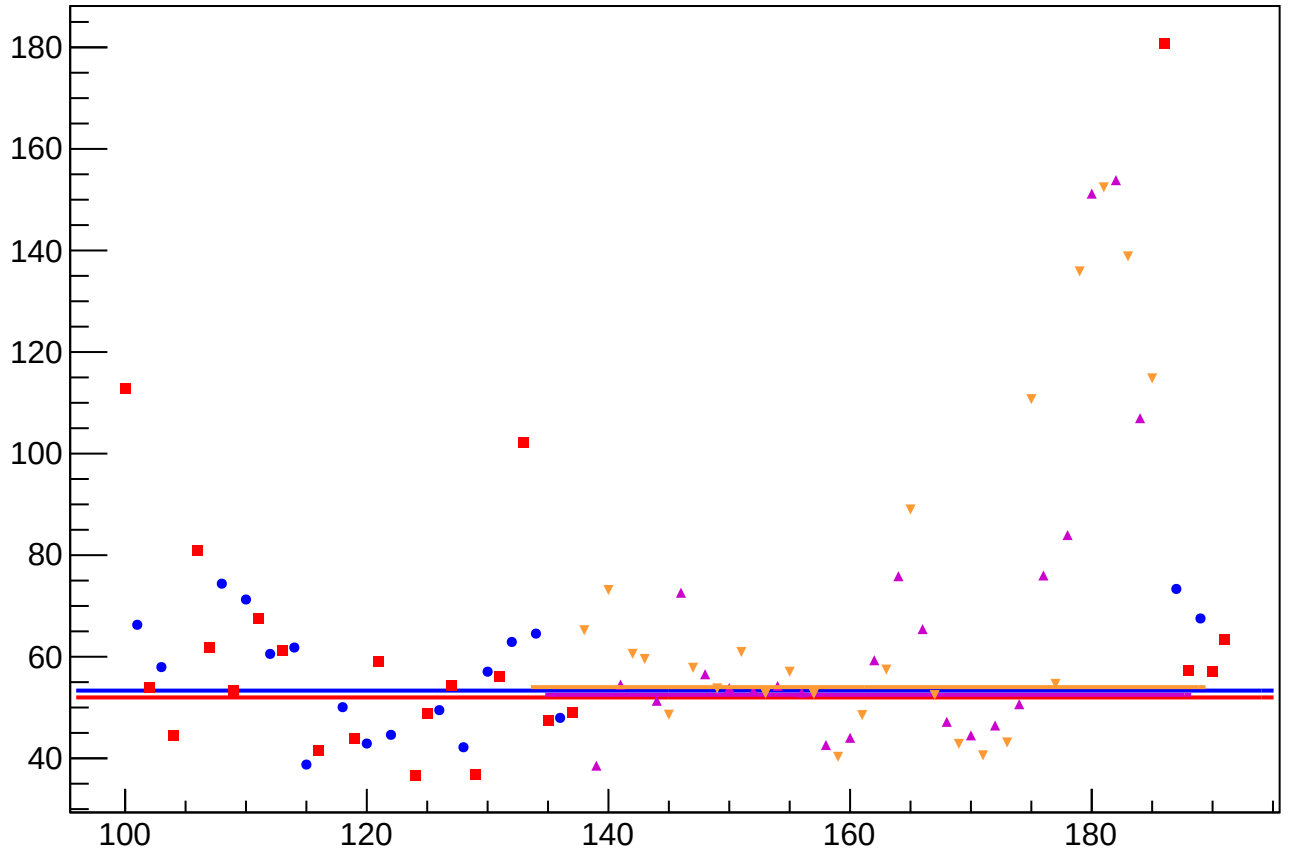
Right Out: 0.007+/-0.018 χ^2/NDF: 14.9/22

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: 91.2/88

- sign -0.004+/-0.011 χ^2/NDF: 47.3/45



Right In: 53.333+/-0.014 χ^2/NDF: 489563.2/17

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

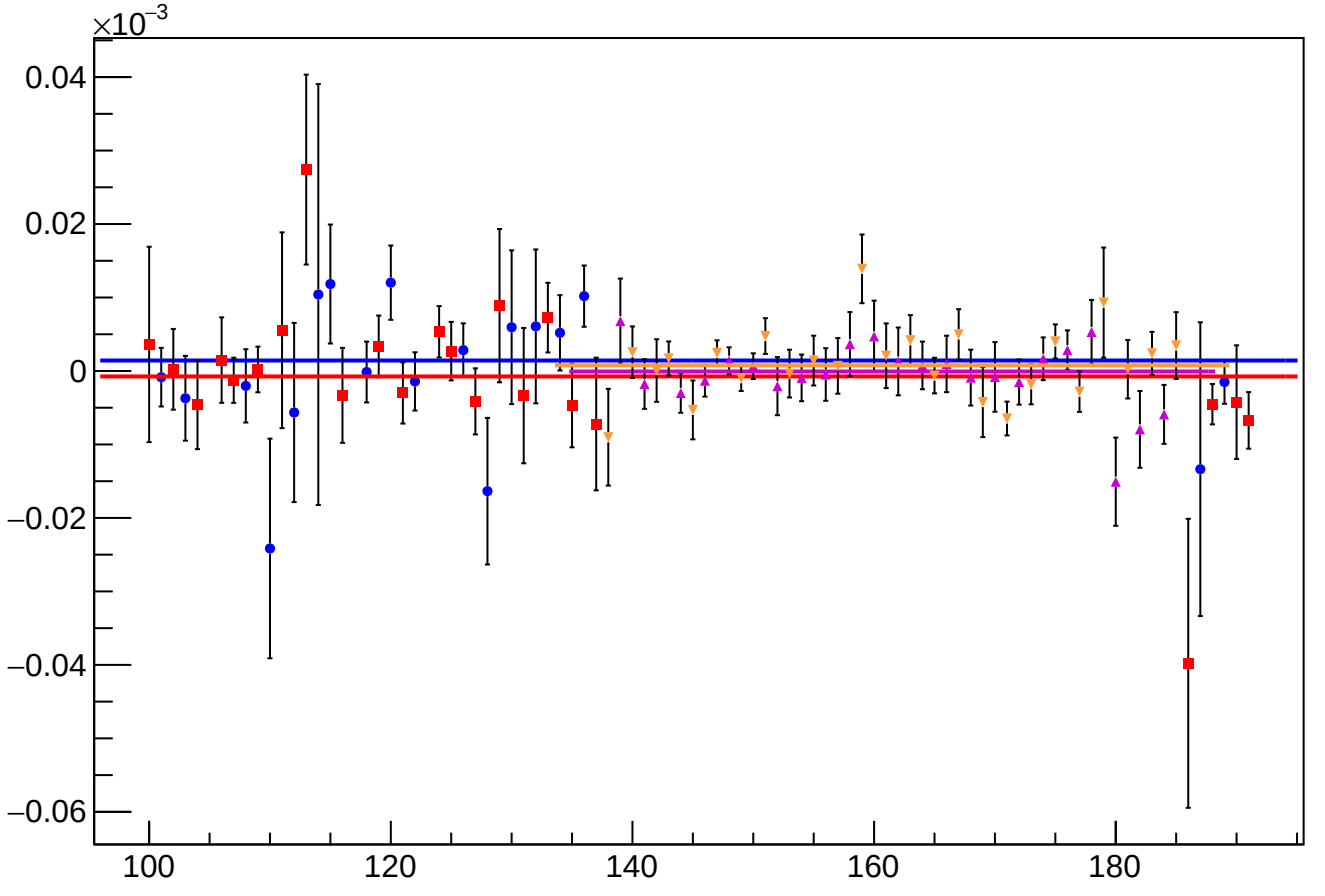
Right Out: 51.987+/-0.013 χ^2/NDF: 1098738.4/22

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

+ sign 53.804+/-0.008 χ^2/NDF: 3718744.5/42

All: 53.039+/-0.005 χ^2/NDF: 7395027.7/88

- sign 52.322+/-0.008 χ^2/NDF: 3657564.4/45



Right In: 0.000+/-0.000 χ^2/NDF: 21.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/24

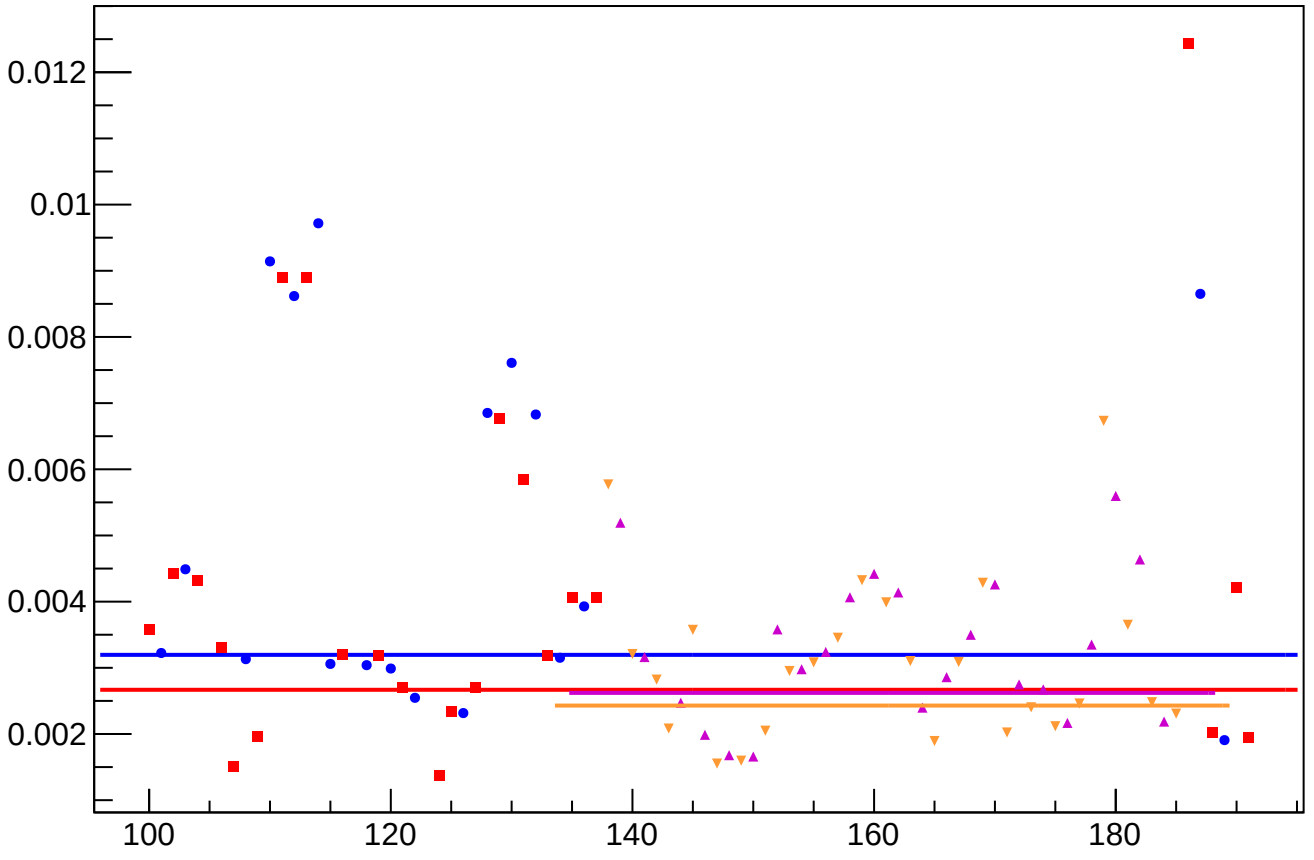
Right Out: -0.000+/-0.000 χ^2/NDF: 24.8/22

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: 107.7/88

- sign -0.000+/-0.000 χ^2/NDF: 45.3/45



Right In: 0.003+/-0.000 χ^2/NDF: 2546544.6/17

Left Out: 0.002+/-0.000 χ^2/NDF:4218362.5/24

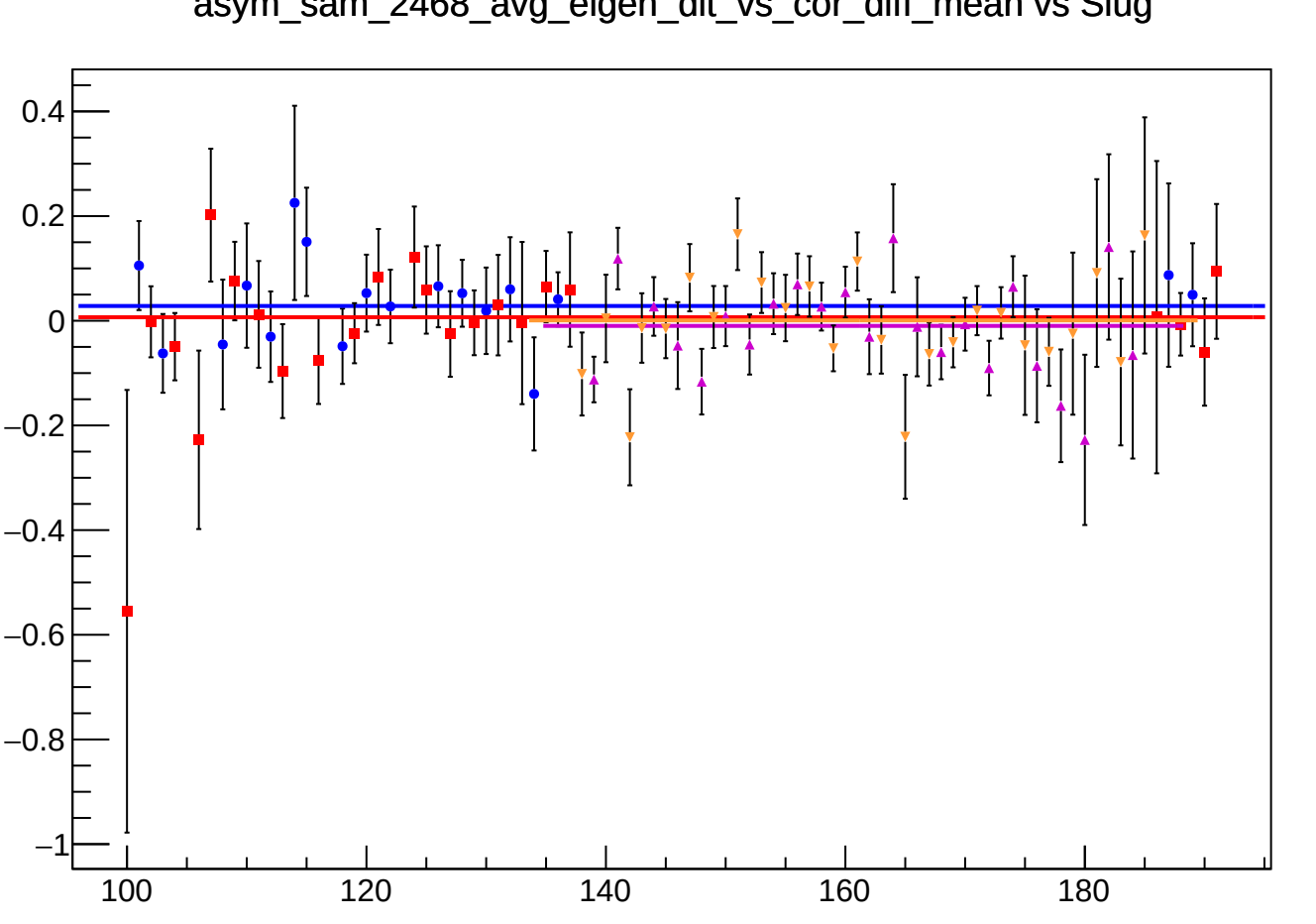
Right Out: 0.003+/-0.000 χ^2/NDF: 3503433.4/22

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: 14853563.2/88

- sign 0.003+/-0.000 χ^2/NDF: 7461748.6/45



Right In: 0.028+/-0.020 χ^2/NDF: 10.1/17

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

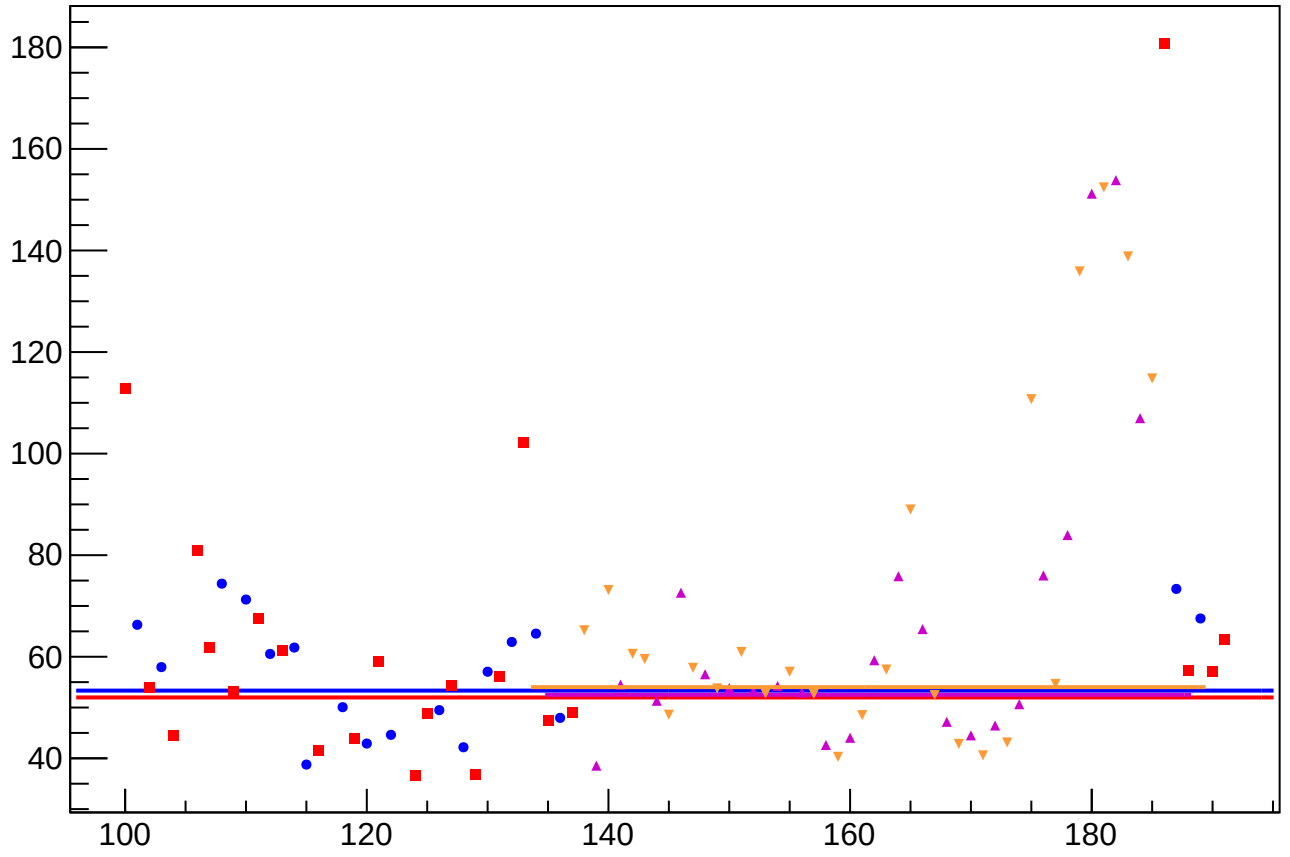
Right Out: 0.007+/-0.018 χ^2/NDF: 14.9/22

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: 91.2/88

- sign -0.004+/-0.011 χ^2/NDF: 47.3/45



Right In: 53.332+/-0.014 χ^2/NDF: 489532.0/17

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

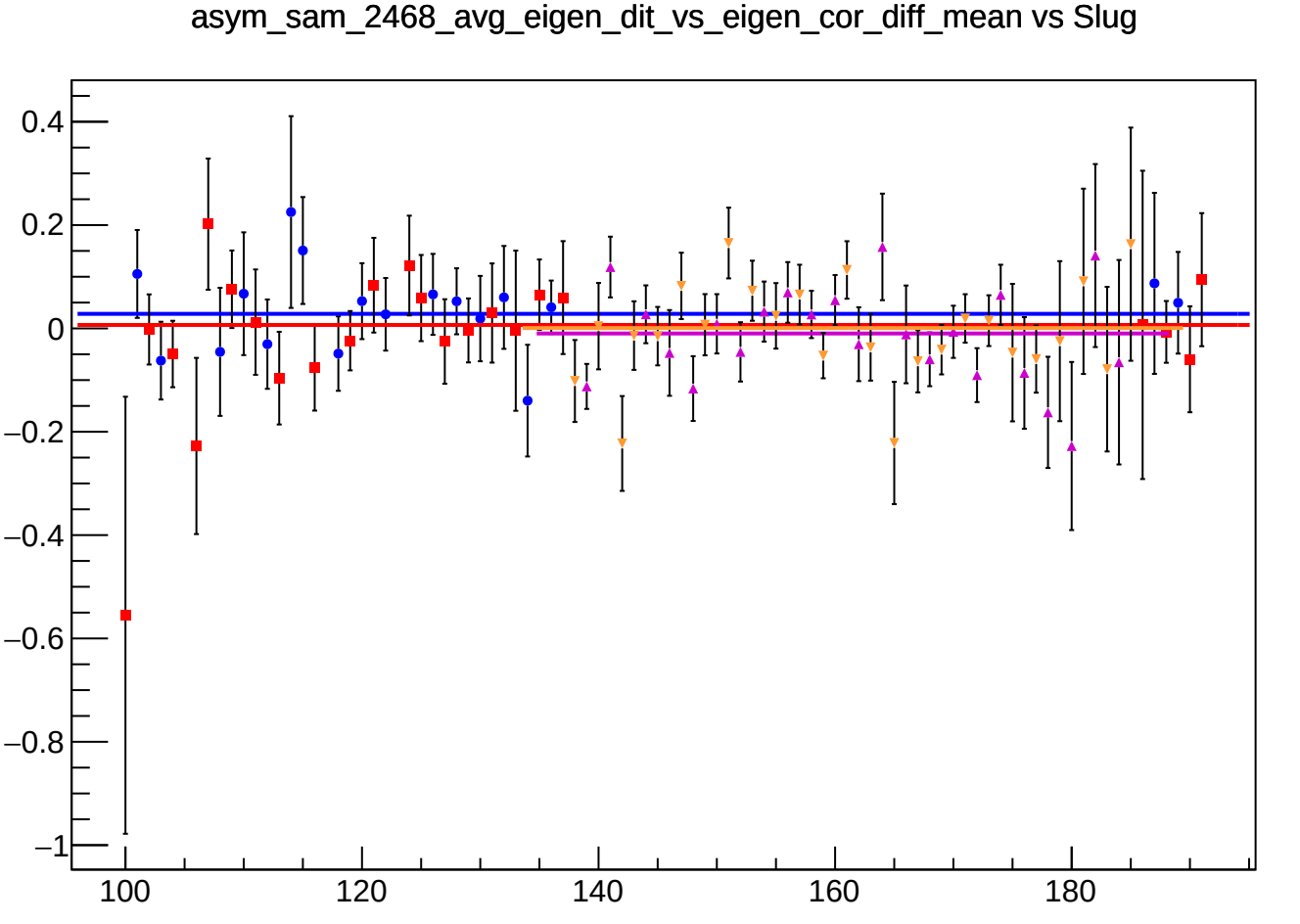
Right Out: 51.986+/-0.013 χ^2/NDF: 1098775.3/22

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 53.804+/-0.008 χ^2/NDF: 3718739.1/42

All: 53.039+/-0.005 χ^2/NDF: 7395106.8/88

- sign 52.322+/-0.008 χ^2/NDF: 3657648.3/45



Right In: 0.028+/-0.020 χ^2/NDF: 10.1/17

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

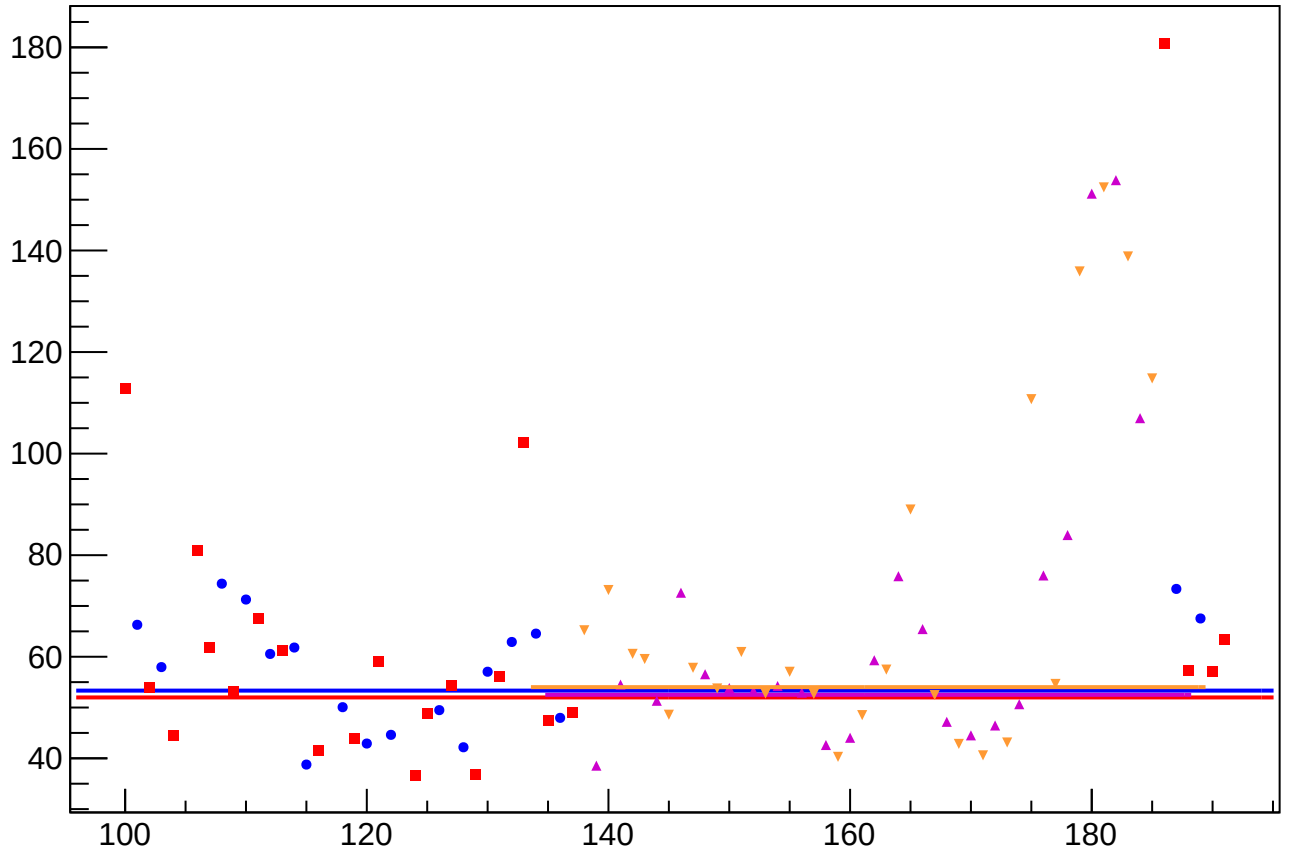
Right Out: 0.007+/-0.018 χ^2/NDF: 14.9/22

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: 91.2/88

- sign -0.004+/-0.011 χ^2/NDF: 47.3/45



Right In: 53.332+/-0.014 χ^2/NDF: 489532.0/17

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

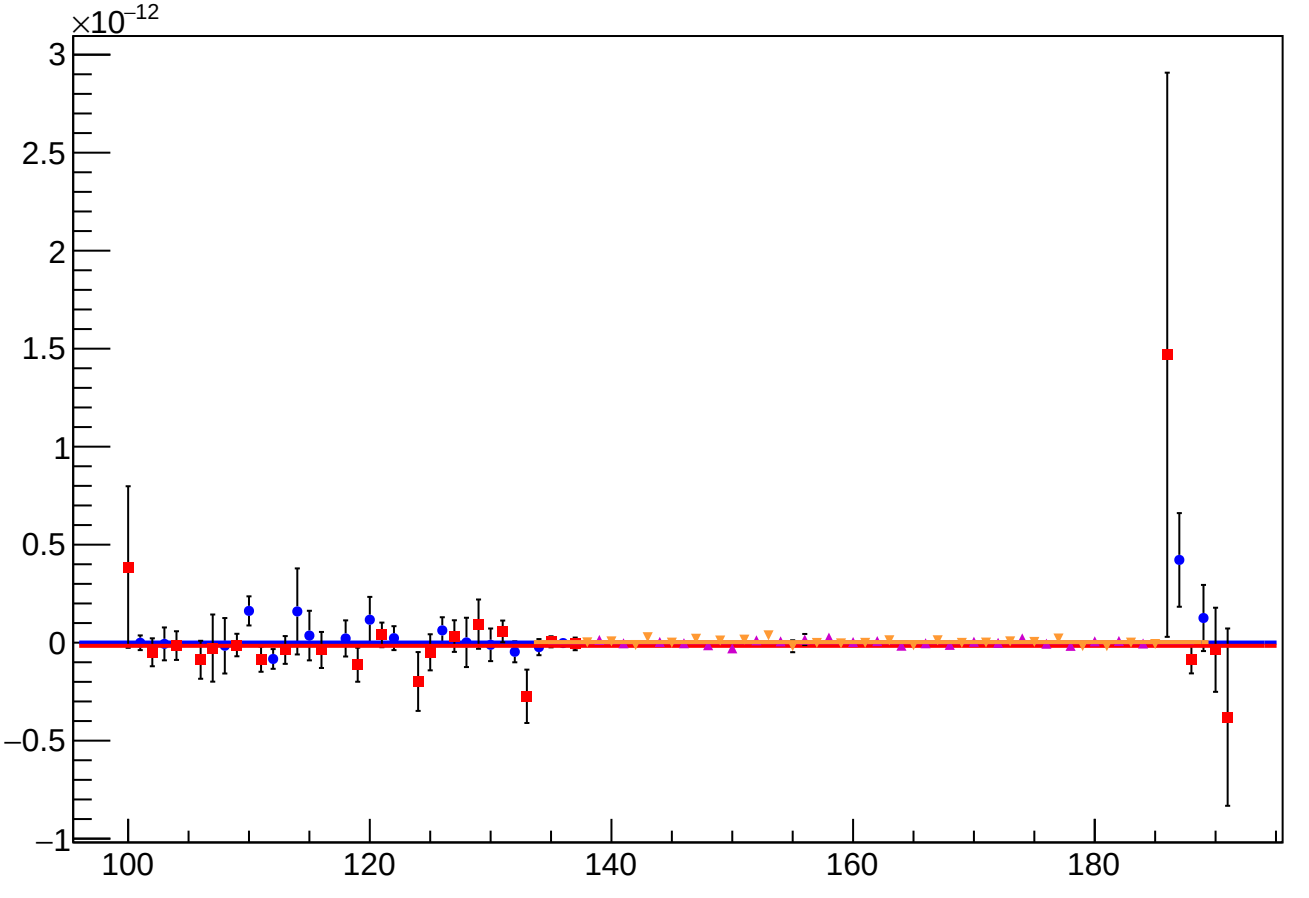
Right Out: 51.986+/-0.013 χ^2/NDF: 1098775.3/22

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 53.804+/-0.008 χ^2/NDF: 3718739.1/42

All: 53.039+/-0.005 χ^2/NDF: 7395106.8/88

- sign 52.322+/-0.008 χ^2/NDF: 3657648.3/45



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/24

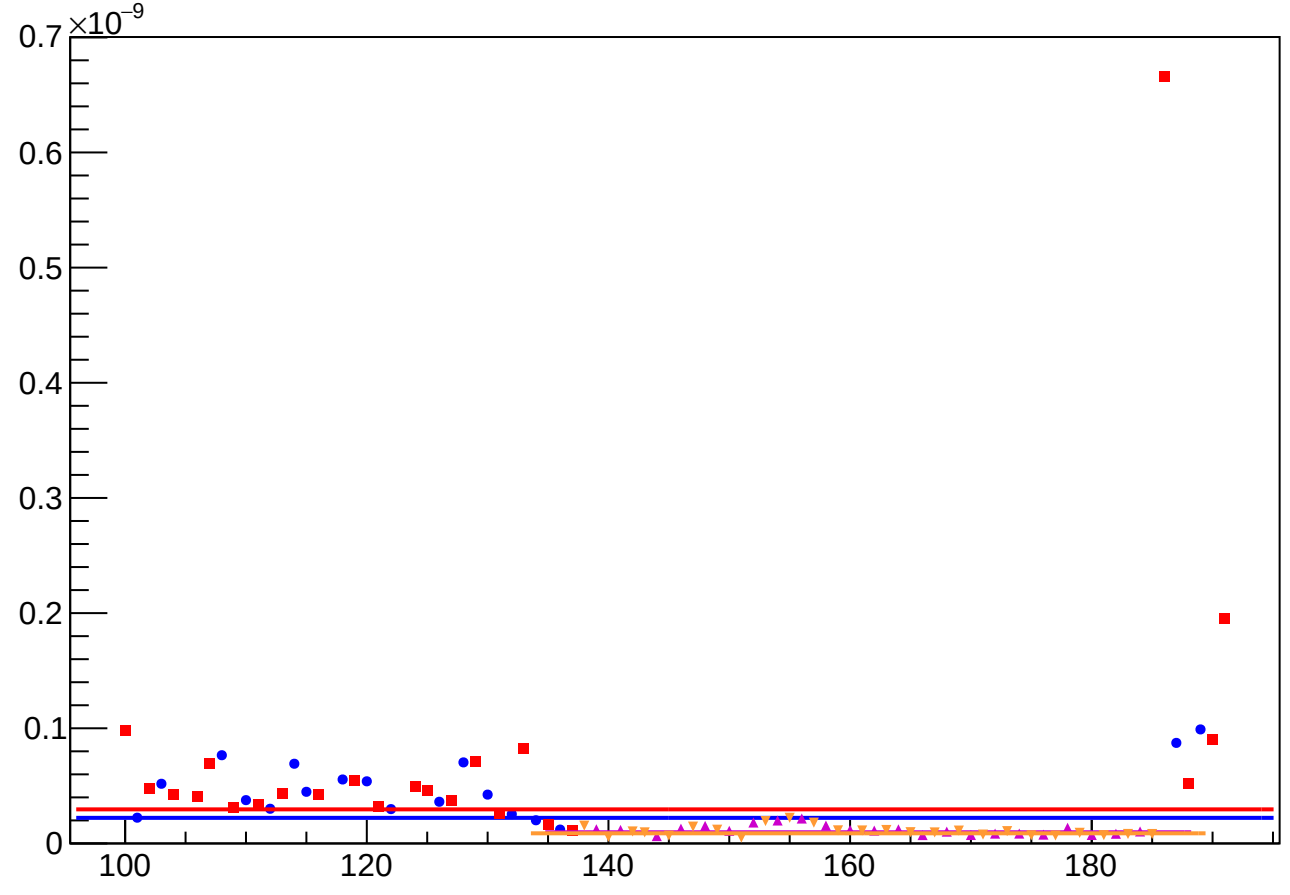
Right Out: -0.000+/-0.000 χ^2/NDF: 16.4/22

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: 70.2/88

- sign 0.000+/-0.000 χ^2/NDF: 33.2/45



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: 3425026.7/22

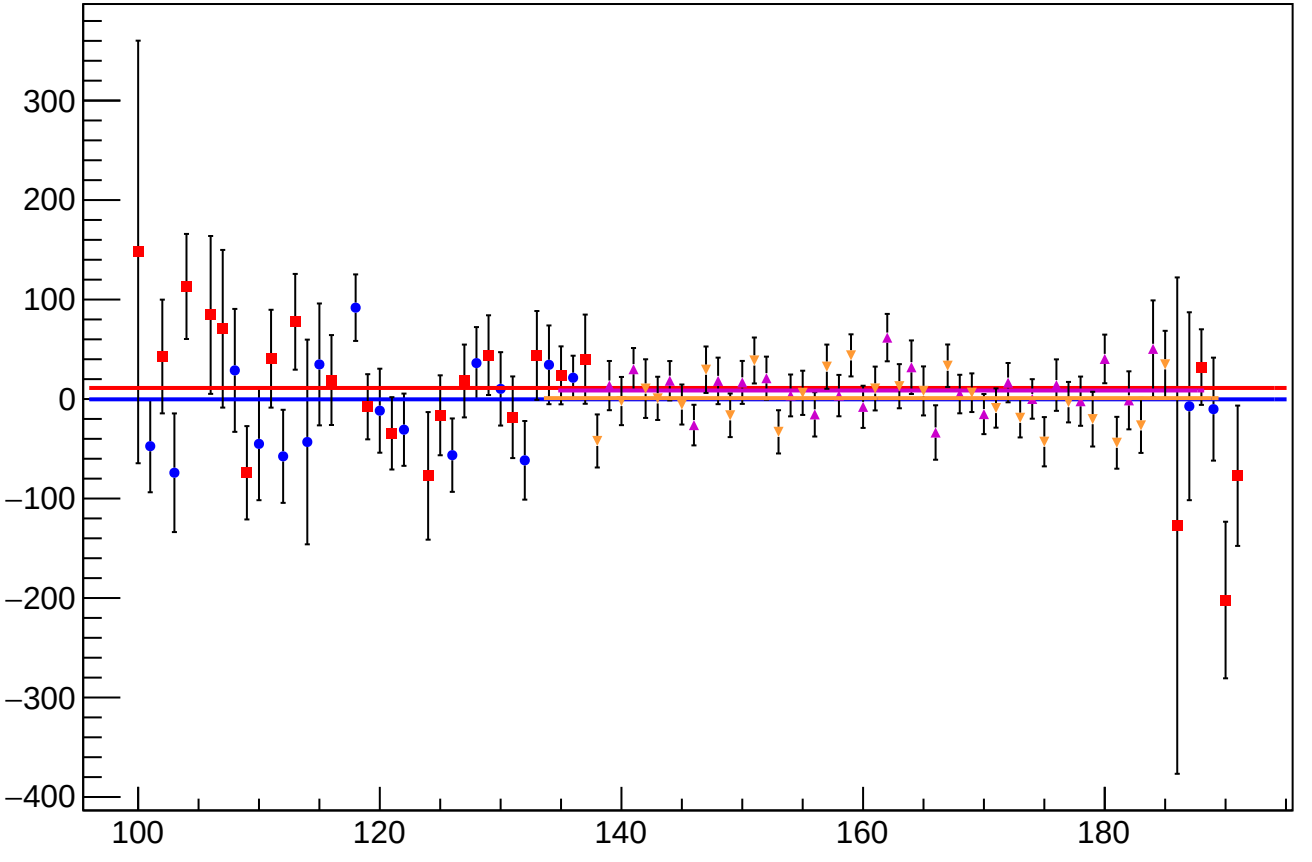
Left In: 0.000+/-0.000 χ^2/NDF:2320113.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 8017416.7/42

All: 0.000+/-0.000 χ^2/NDF: 17699348.8/88

- sign 0.000+/-0.000 χ^2/NDF: 9521928.3/45

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: 11.132+/-9.732 χ^2/NDF: 27.6/22

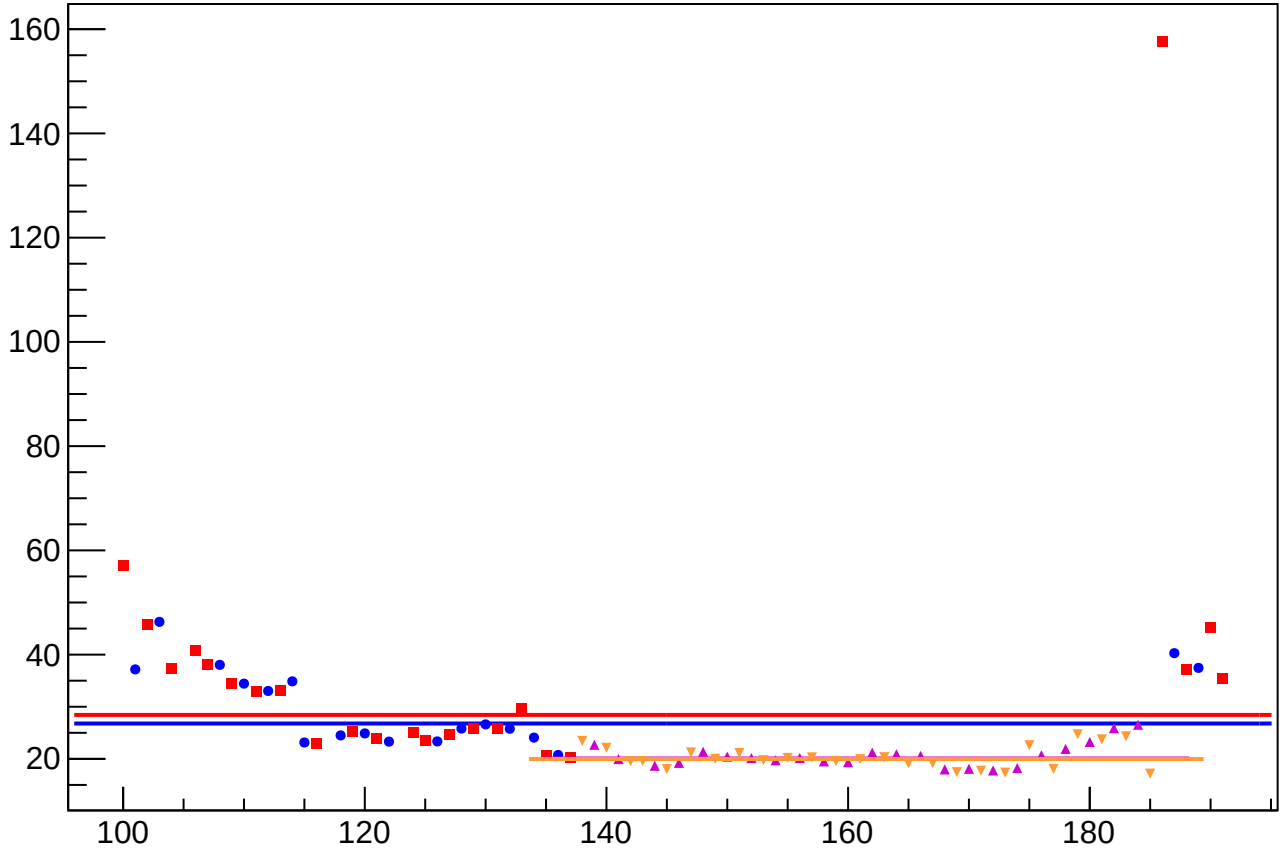
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign 0.700+/-4.146 χ^2/NDF: 50.6/42

All: 4.788+/-2.967 χ^2/NDF: 99.7/88

- sign 9.083+/-4.249 χ^2/NDF: 47.0/45

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

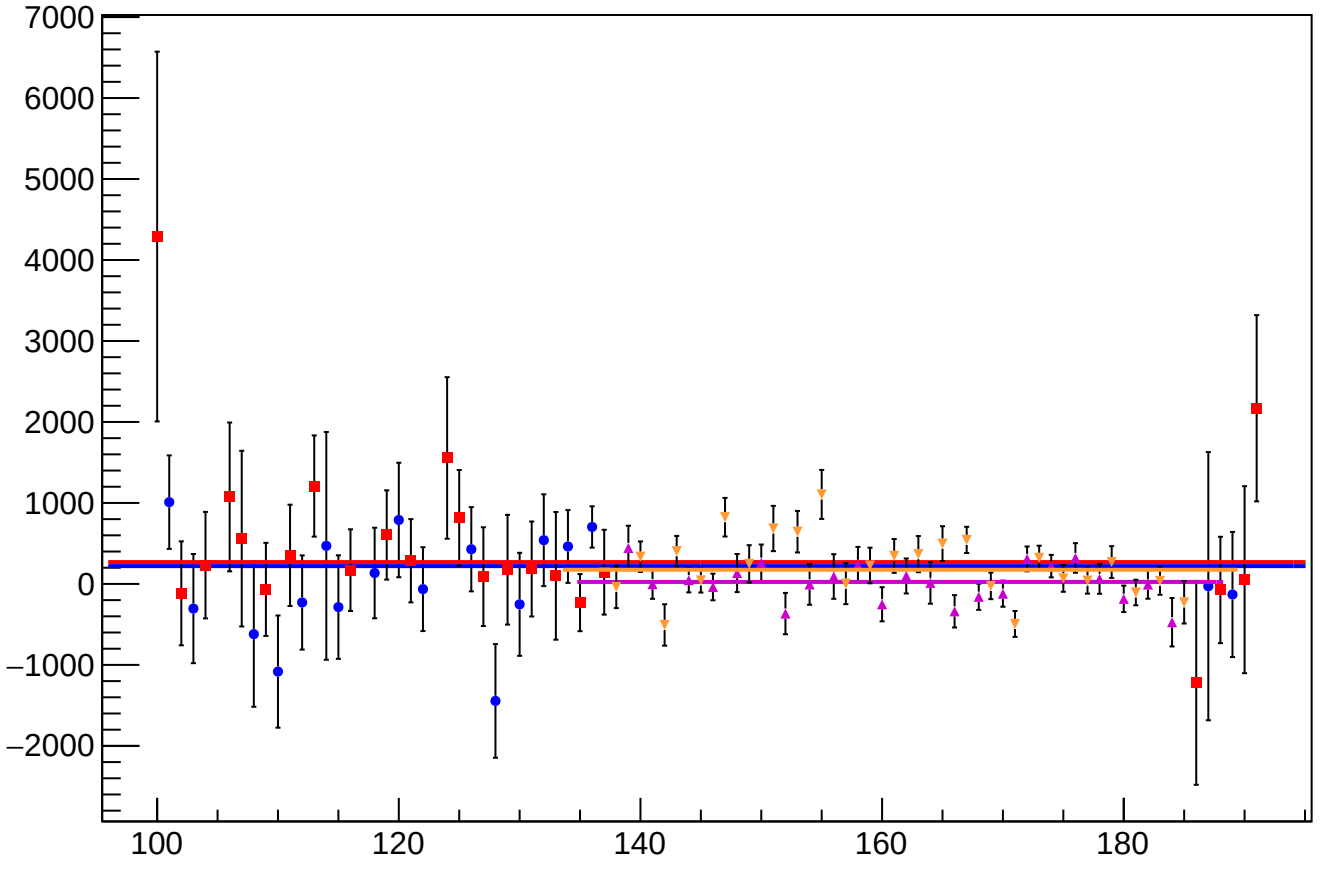
Right Out: 28.432+/-0.007 χ^2/NDF: 1537924.9/22

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 21.185+/-0.003 χ^2/NDF: 1987286.3/42

All: 21.420+/-0.002 χ^2/NDF: 5034338.2/88

- sign 21.666+/-0.003 χ^2/NDF: 3033923.3/45



Right In: 219.771+/-132.436 χ^2/NDF: 19.9/17

Left Out: 174.693+/-39.049 χ^2/NDF:71.2/24

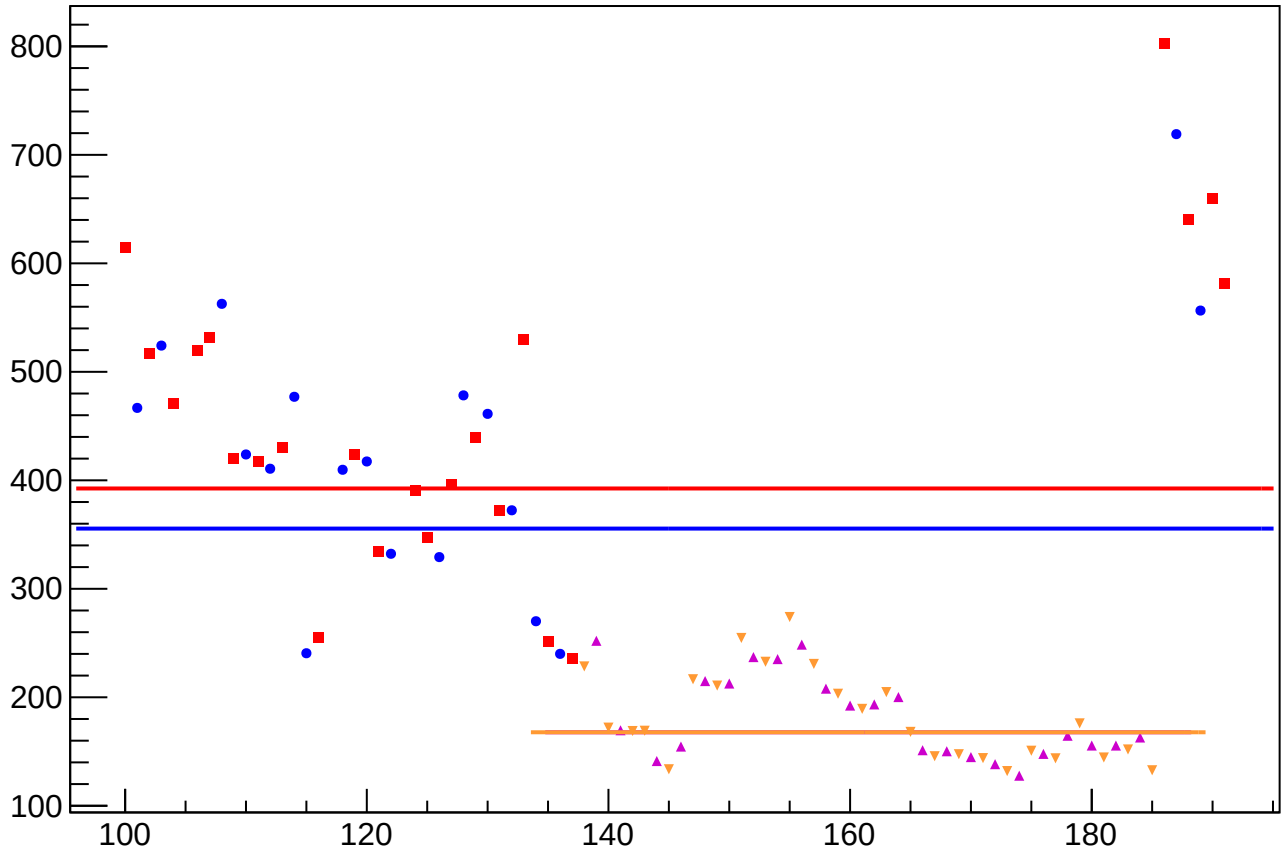
Right Out: 269.884+/-134.230 χ^2/NDF: 16.5/22

Left In: 24.589+/-40.070 χ^2/NDF:26.9/22

\+ sign 178.298+/-37.455 χ^2/NDF: 91.2/42

All: 113.137+/-26.811 χ^2/NDF: 143.9/88

\- sign 44.660+/-38.396 χ^2/NDF: 46.5/45



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: 392.473+/-0.095 χ^2/NDF: 1631866.2/22

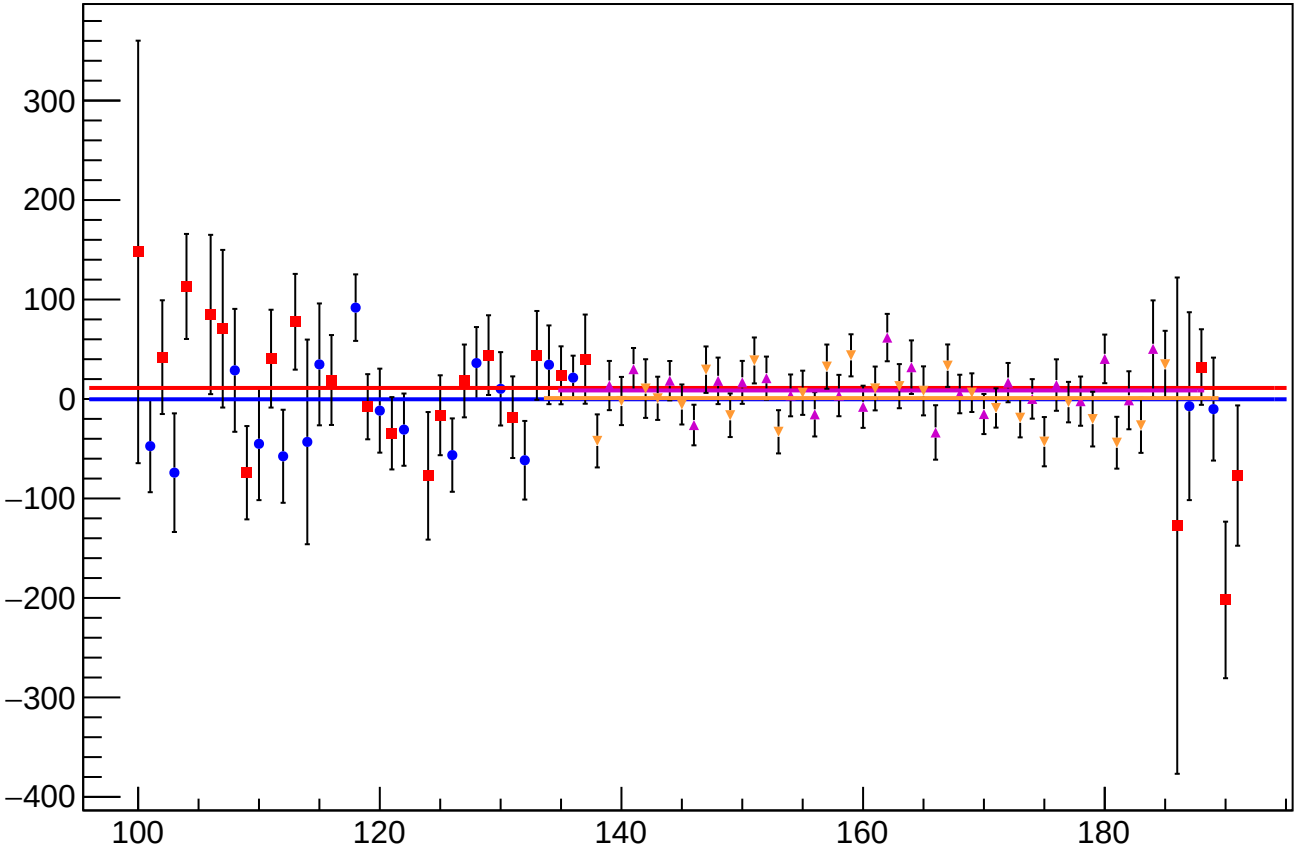
Left In: 167.748+/-0.028 χ^2/NDF:1403124.0/22

+ sign 182.771+/-0.026 χ^2/NDF: 6574044.5/42

All: 184.412+/-0.019 χ^2/NDF: 14763998.8/88

- sign 186.136+/-0.027 χ^2/NDF: 8182085.7/45

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: 11.096+/-9.734 χ^2/NDF: 27.6/22

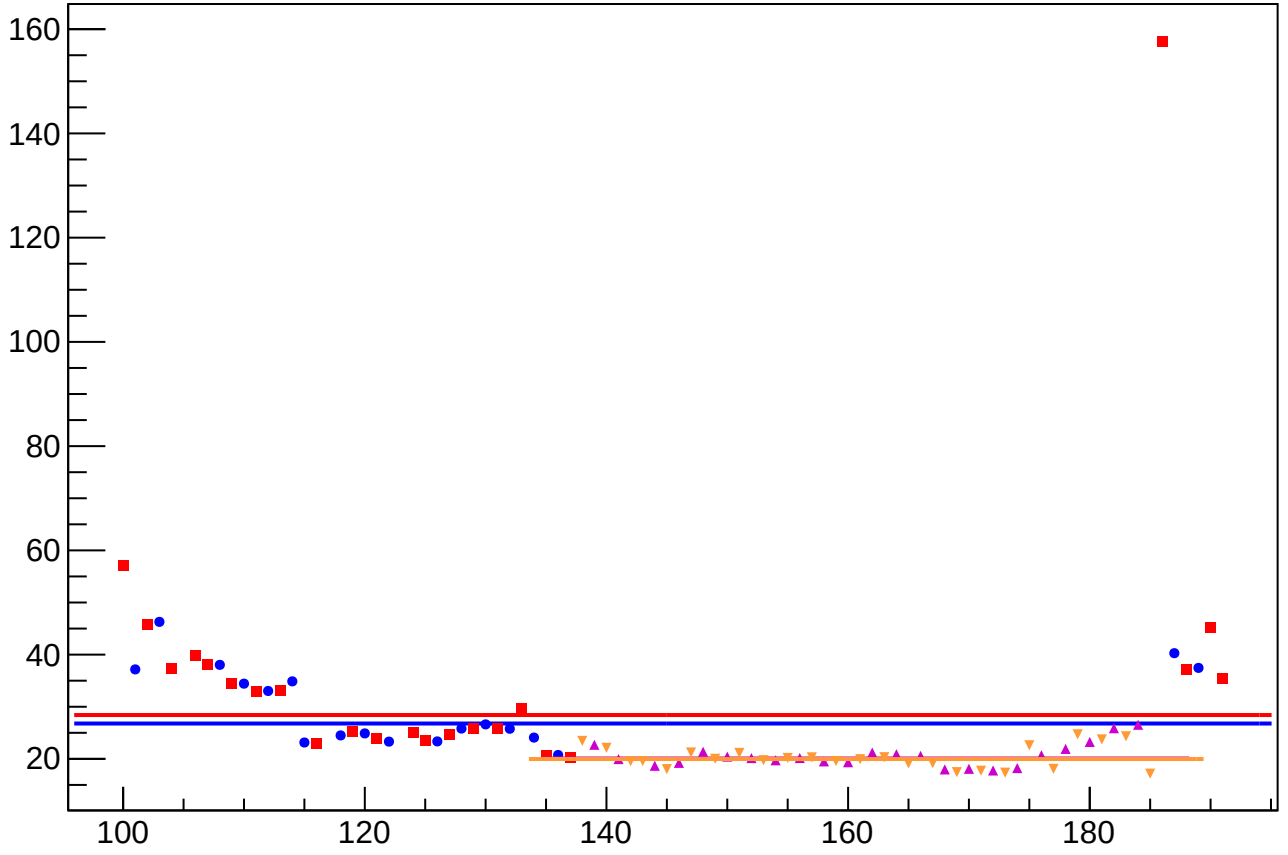
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign 0.699+/-4.146 χ^2/NDF: 50.6/42

All: 4.784+/-2.967 χ^2/NDF: 99.6/88

- sign 9.076+/-4.250 χ^2/NDF: 47.0/45

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

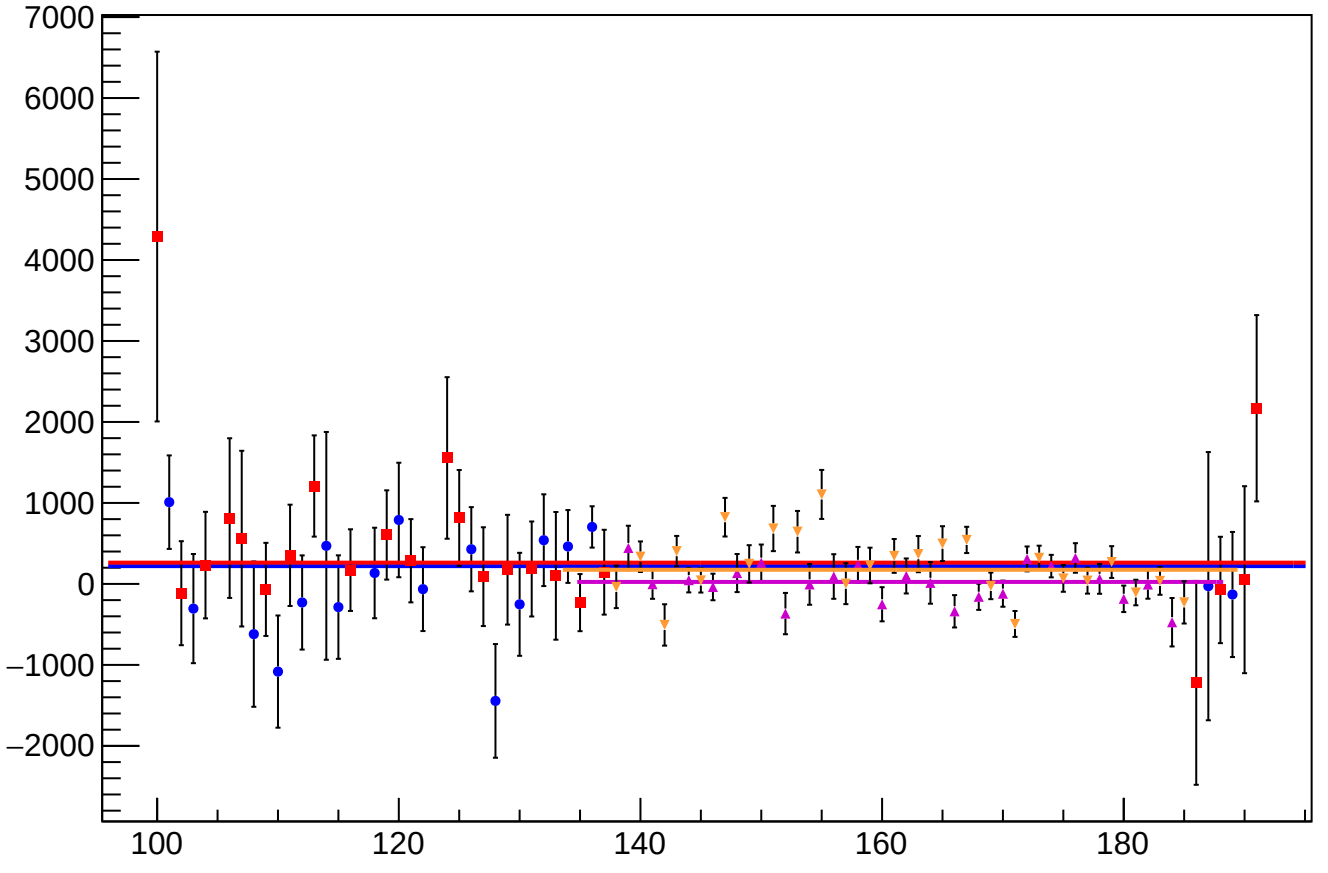
Right Out: 28.413+/-0.007 χ^2/NDF: 1529240.9/22

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 21.185+/-0.003 χ^2/NDF: 1987289.6/42

All: 21.418+/-0.002 χ^2/NDF: 5019639.3/88

- sign 21.662+/-0.003 χ^2/NDF: 3019442.4/45



Right In: 219.764+/-132.436 χ^2/NDF: 19.9/17

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

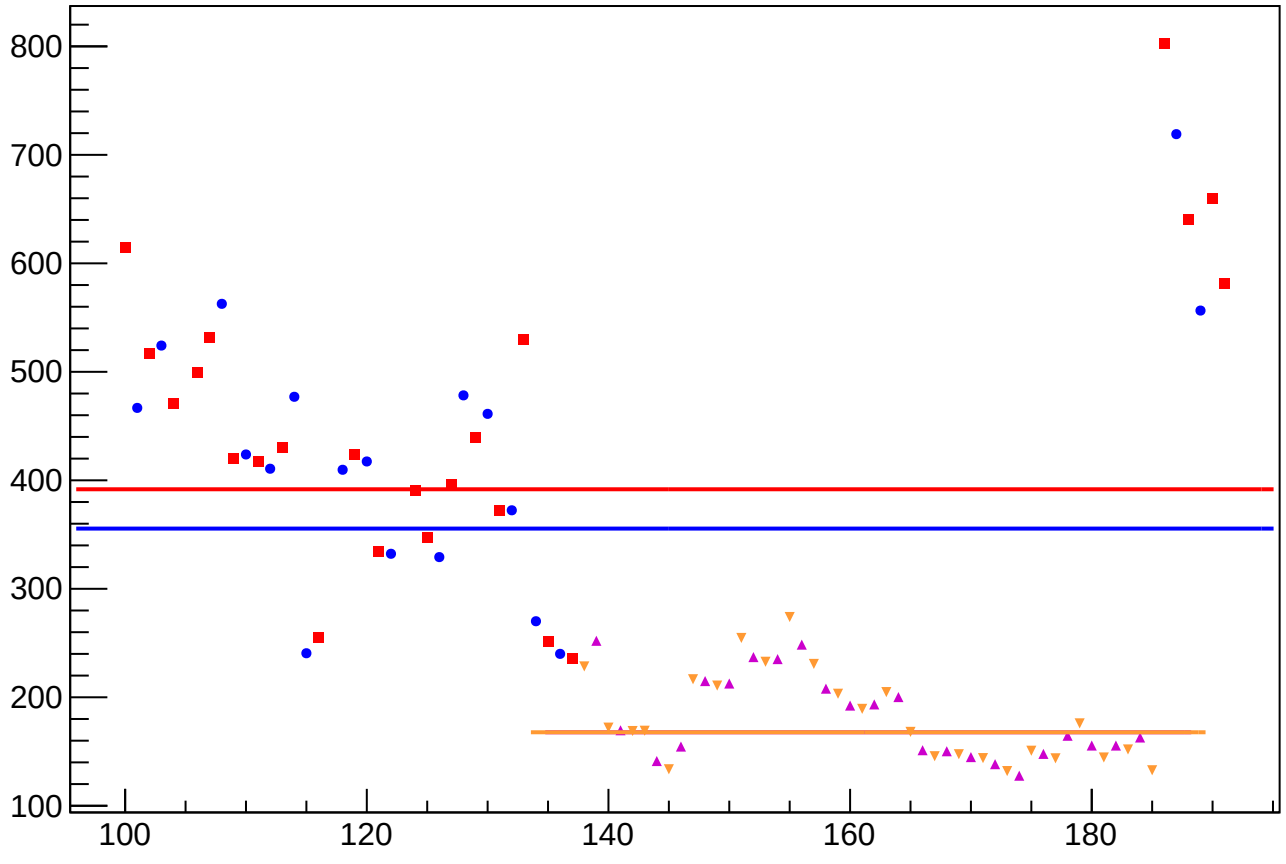
Right Out: 262.842+/-134.421 χ^2/NDF: 16.1/22

Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

+ sign 178.296+/-37.455 χ^2/NDF: 91.2/42

All: 112.838+/-26.813 χ^2/NDF: 143.3/88

- sign 44.033+/-38.400 χ^2/NDF: 45.8/45



Right In: 355.505+/-0.094 χ^2/NDF: 1297787.7/17

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

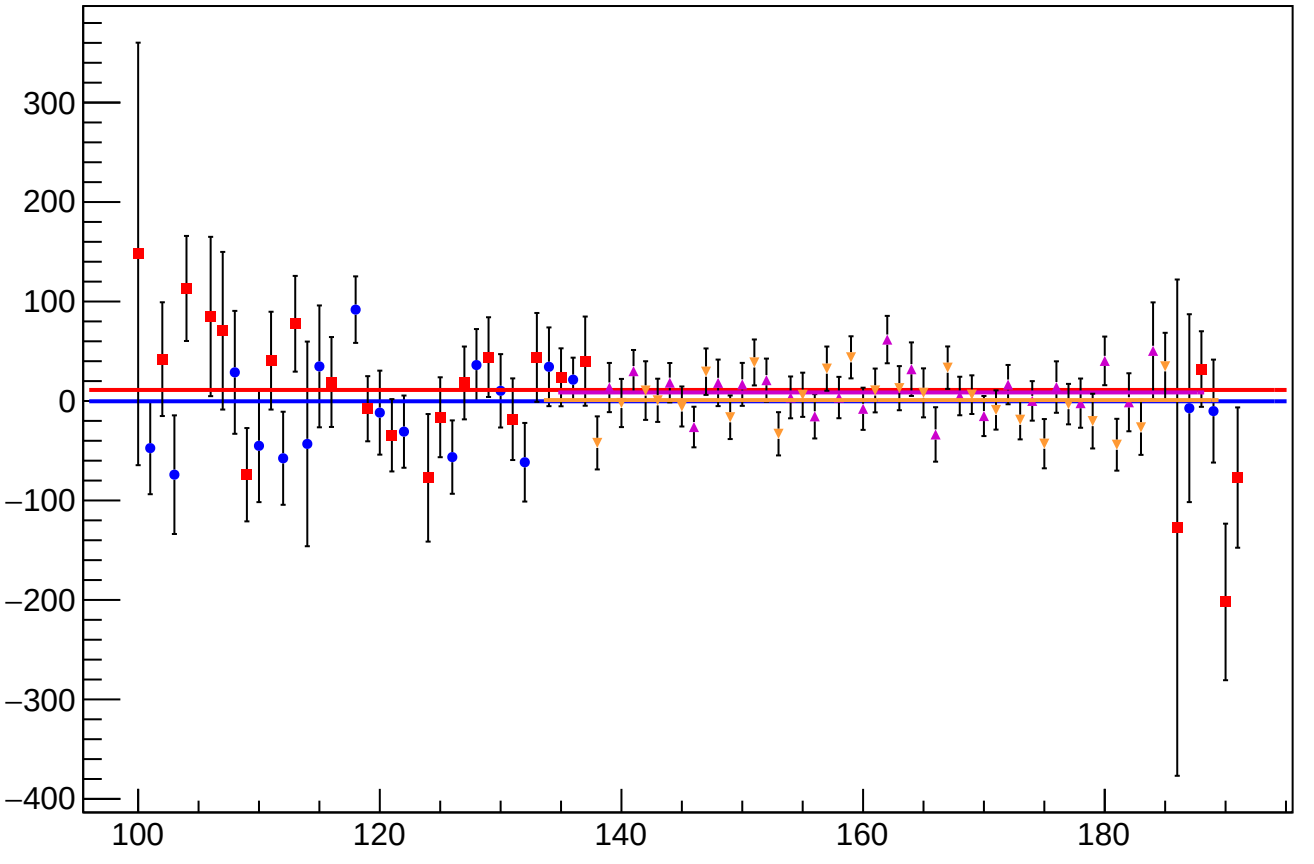
Right Out: 391.742+/-0.095 χ^2/NDF: 1617154.3/22

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 182.771+/-0.026 χ^2/NDF: 6574066.9/42

All: 184.359+/-0.019 χ^2/NDF: 14701965.6/88

- sign 186.028+/-0.027 χ^2/NDF: 8120526.5/45



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: 11.096+/-9.734 χ^2/NDF: 27.6/22

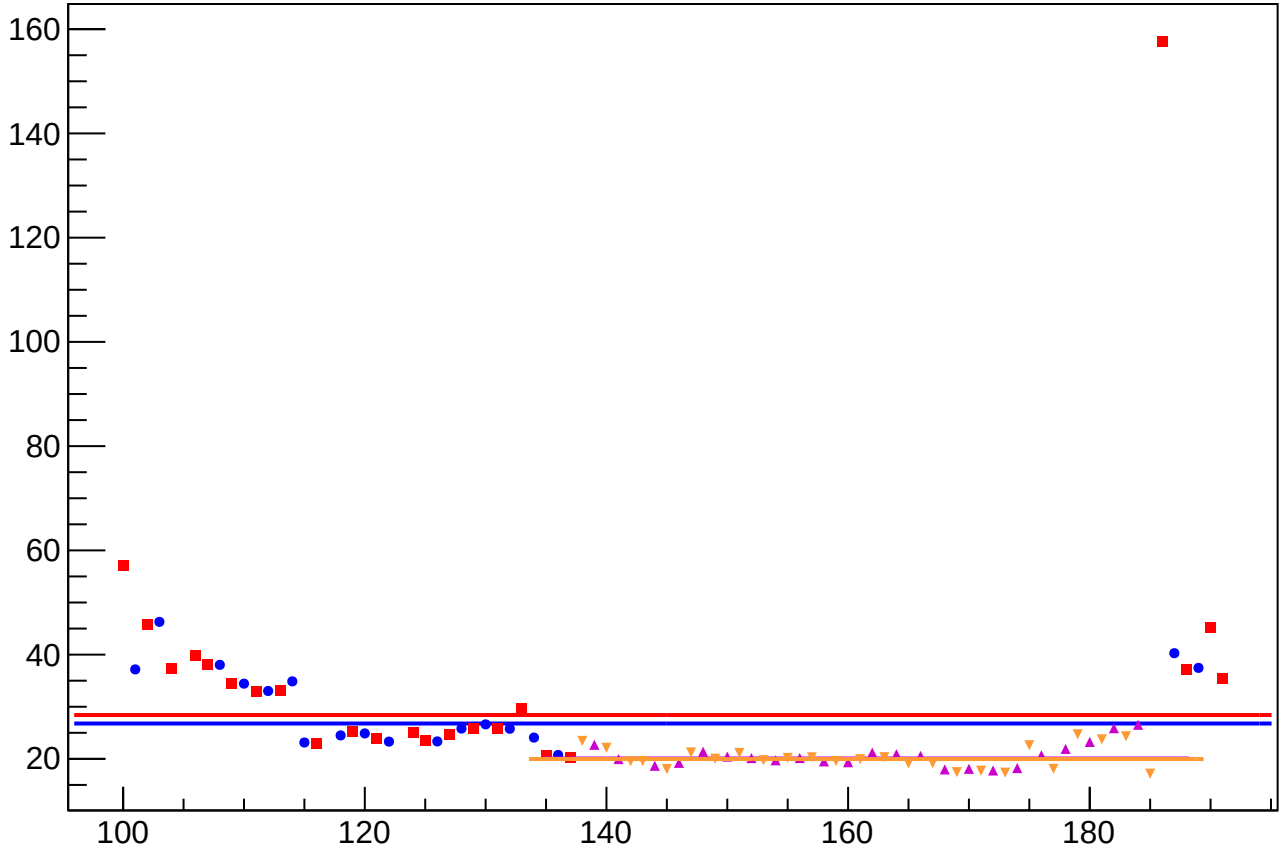
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign 0.699+/-4.146 χ^2/NDF: 50.6/42

All: 4.784+/-2.967 χ^2/NDF: 99.6/88

- sign 9.076+/-4.250 χ^2/NDF: 47.0/45

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

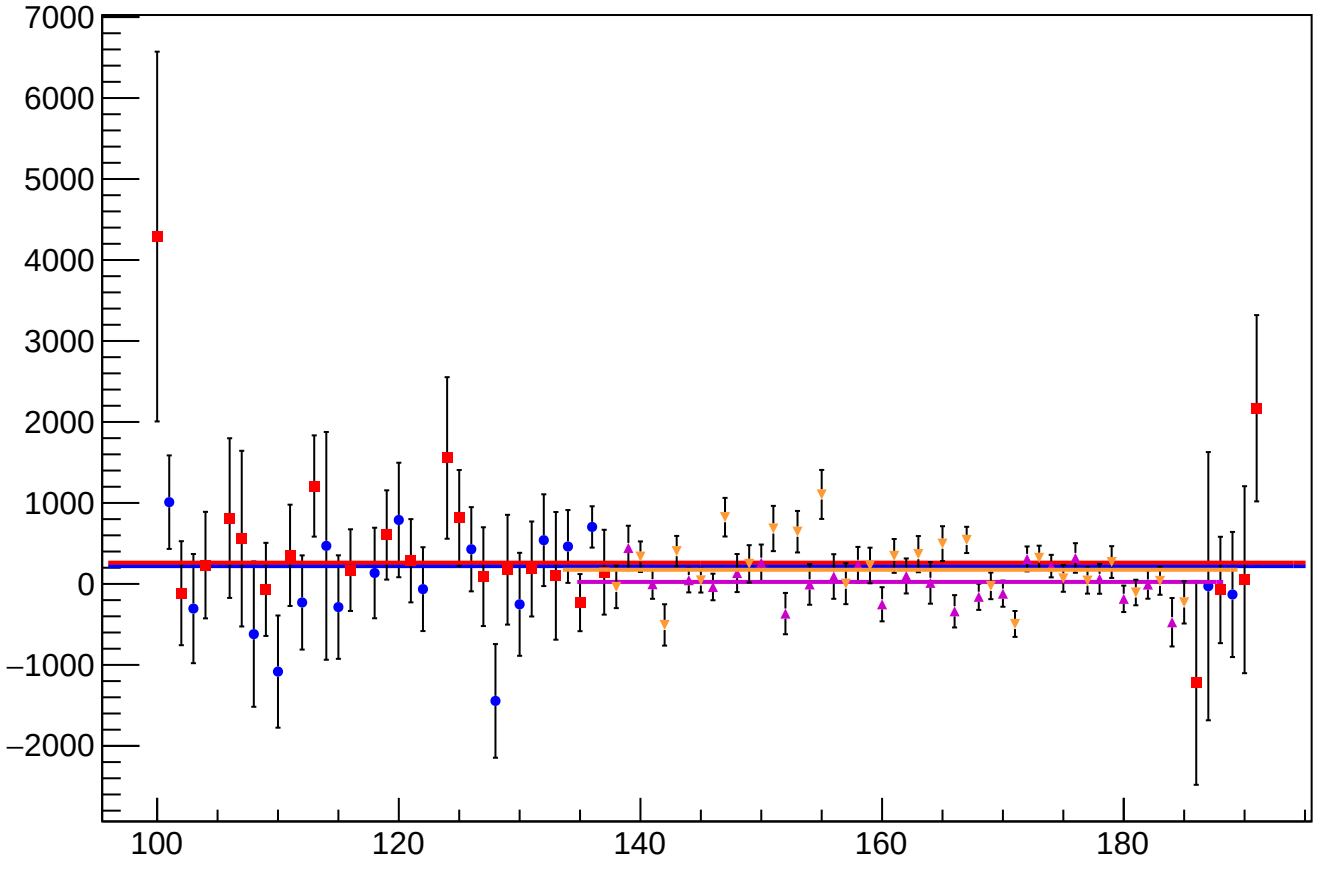
Right Out: 28.413+/-0.007 χ^2/NDF: 1529240.9/22

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 21.185+/-0.003 χ^2/NDF: 1987289.6/42

All: 21.418+/-0.002 χ^2/NDF: 5019639.3/88

- sign 21.662+/-0.003 χ^2/NDF: 3019442.4/45



Right In: 219.764+/-132.436 χ^2/NDF: 19.9/17

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

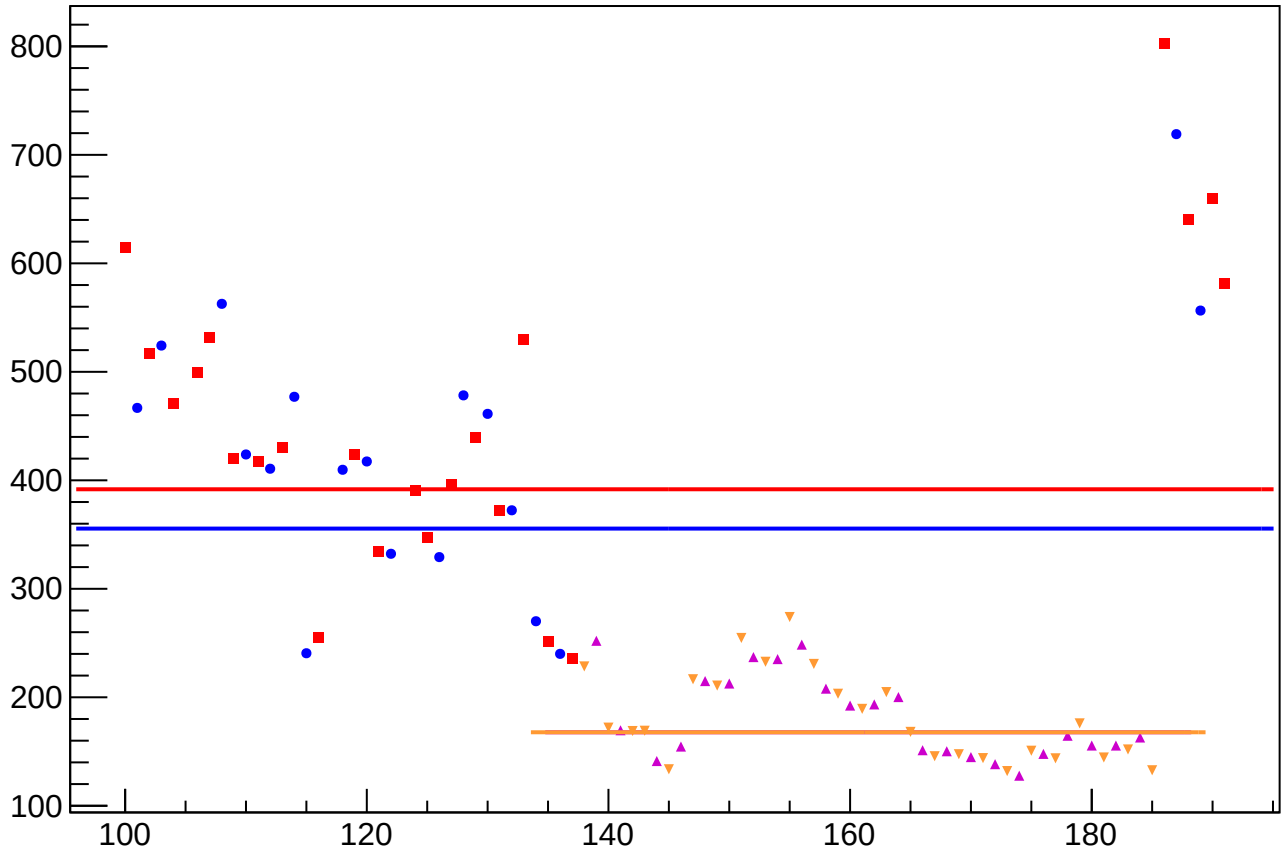
Right Out: 262.842+/-134.421 χ^2/NDF: 16.1/22

Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

+ sign 178.296+/-37.455 χ^2/NDF: 91.2/42

All: 112.838+/-26.813 χ^2/NDF: 143.3/88

- sign 44.033+/-38.400 χ^2/NDF: 45.8/45



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: 391.742+/-0.095 χ^2/NDF: 1617154.3/22

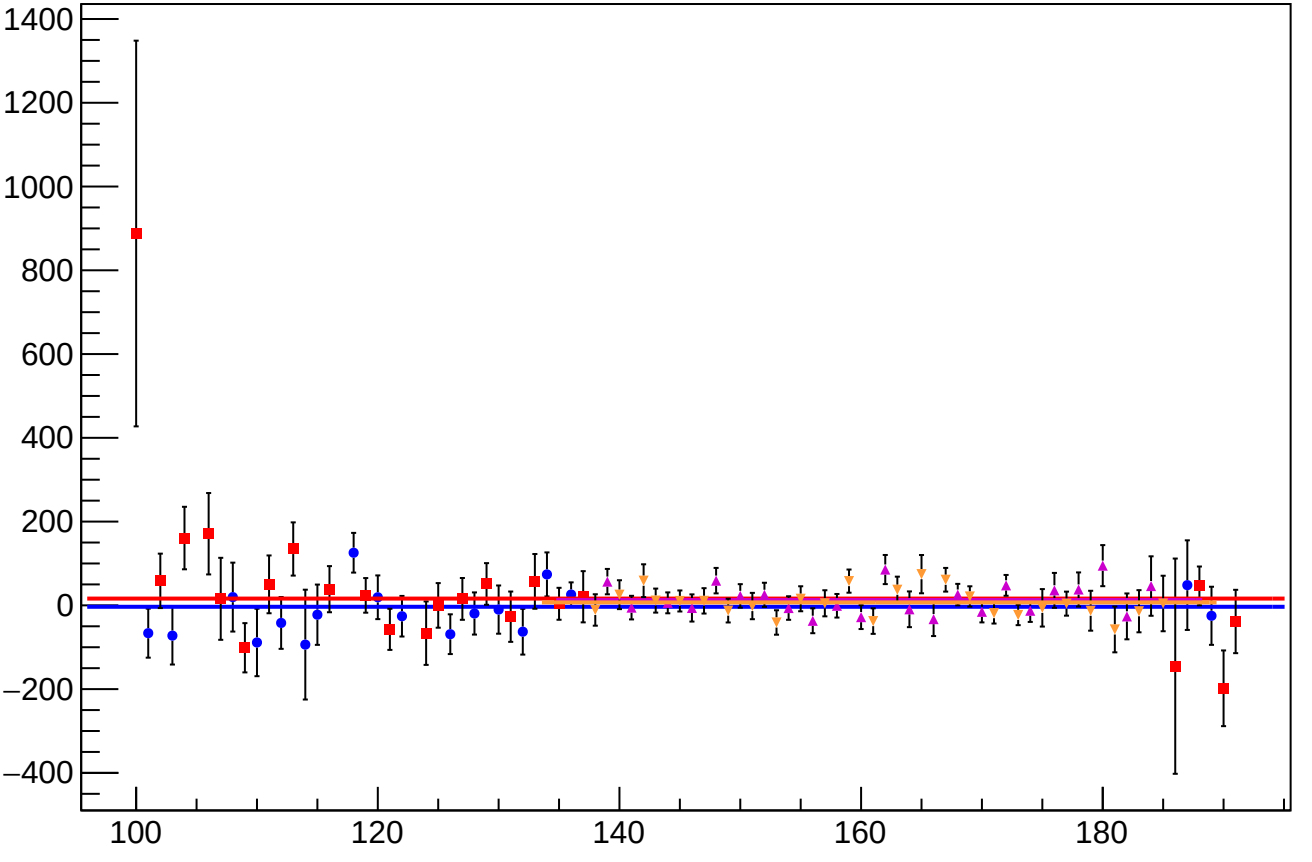
Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 182.771+/-0.026 χ^2/NDF: 6574066.9/42

All: 184.359+/-0.019 χ^2/NDF: 14701965.6/88

- sign 186.028+/-0.027 χ^2/NDF: 8120526.5/45

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: 16.189+/-12.613 χ^2/NDF: 30.2/22

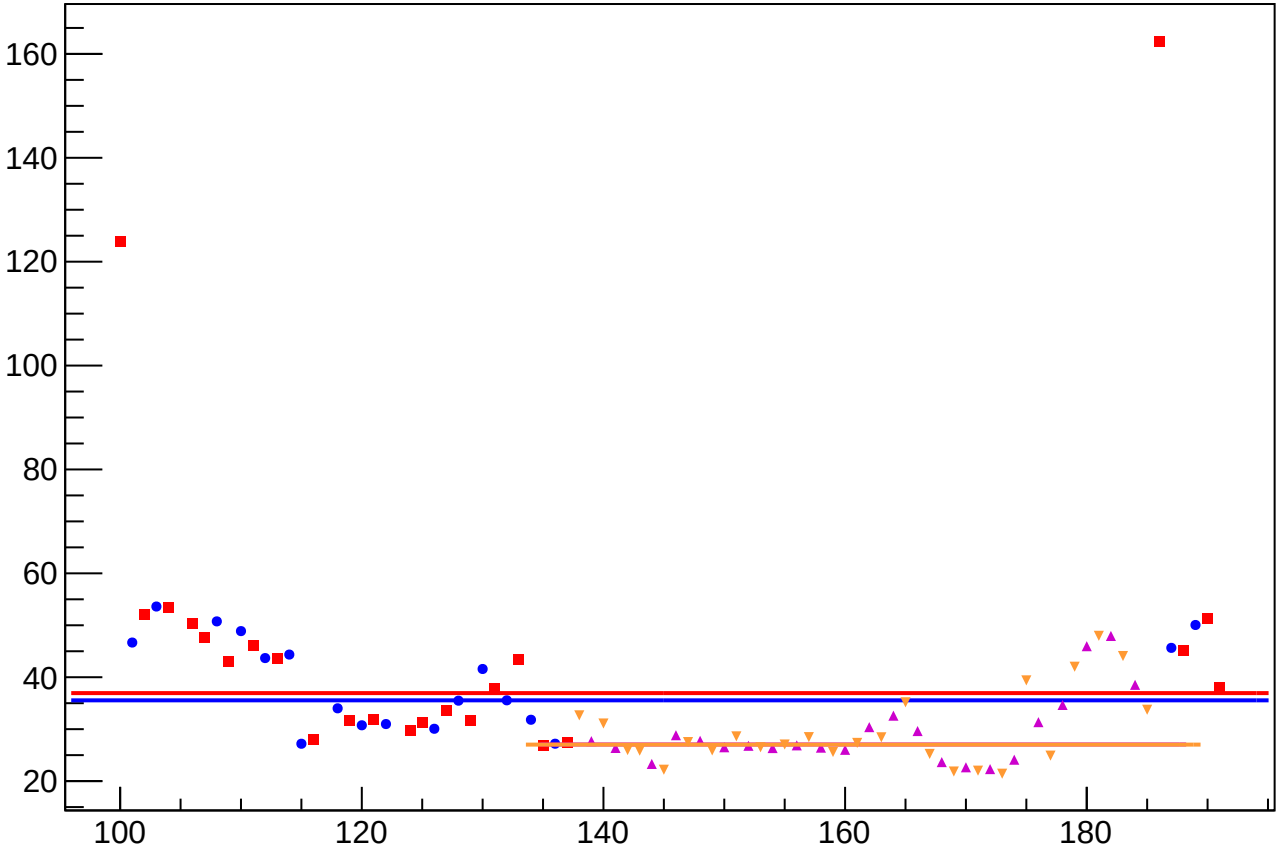
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 5.079+/-5.698 χ^2/NDF: 42.1/42

All: 9.190+/-4.060 χ^2/NDF: 99.0/88

- sign 13.432+/-5.787 χ^2/NDF: 55.9/45

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

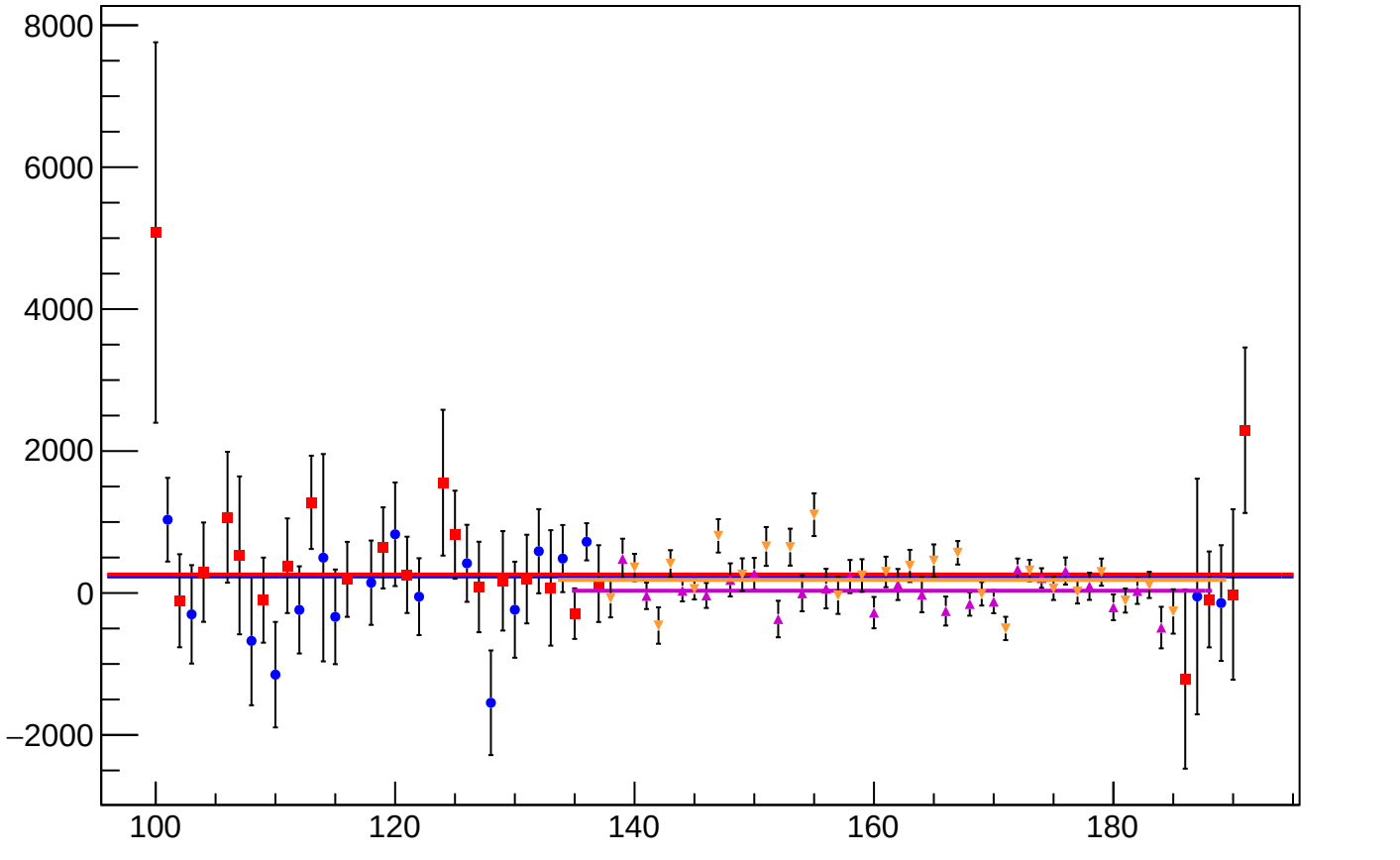
Right Out: 36.943+/-0.009 χ^2/NDF: 1391361.7/22

Left In: 27.052+/-0.005 χ^2/NDF:1044359.4/22

+ sign 28.651+/-0.004 χ^2/NDF: 2889702.1/42

All: 28.889+/-0.003 χ^2/NDF: 6303557.5/88

- sign 29.135+/-0.004 χ^2/NDF: 3406754.3/45



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: 260.620+/-139.190 χ^2/NDF: 17.4/22

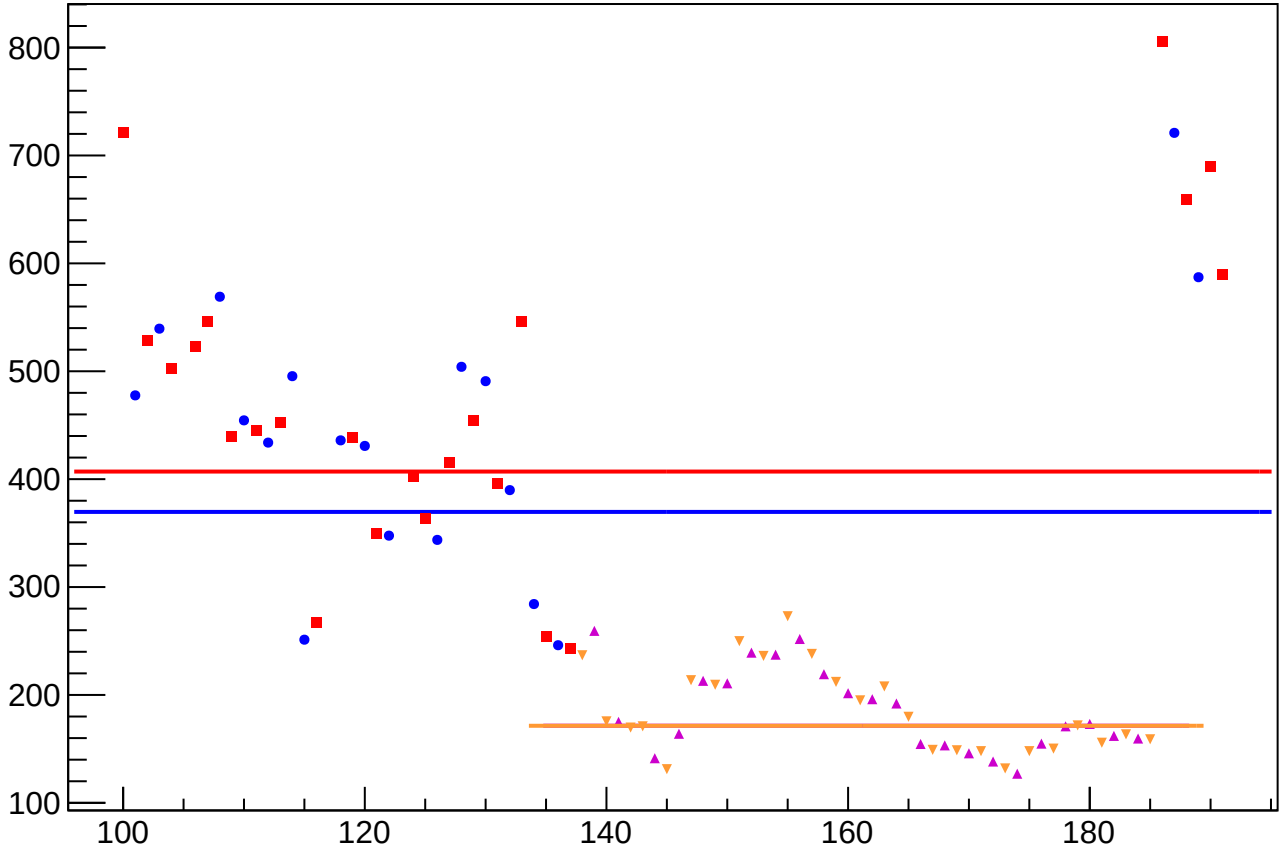
Left In: 31.891+/-40.975 χ^2/NDF:26.4/22

+ sign 188.432+/-38.265 χ^2/NDF: 87.8/42

All: 121.140+/-27.418 χ^2/NDF: 140.4/88

- sign 50.132+/-39.307 χ^2/NDF: 46.2/45

asym_sam_1357_2468_dd_dit_correction_rms vs Slug



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: 407.044+/-0.098 χ^2/NDF: 1654971.7/22

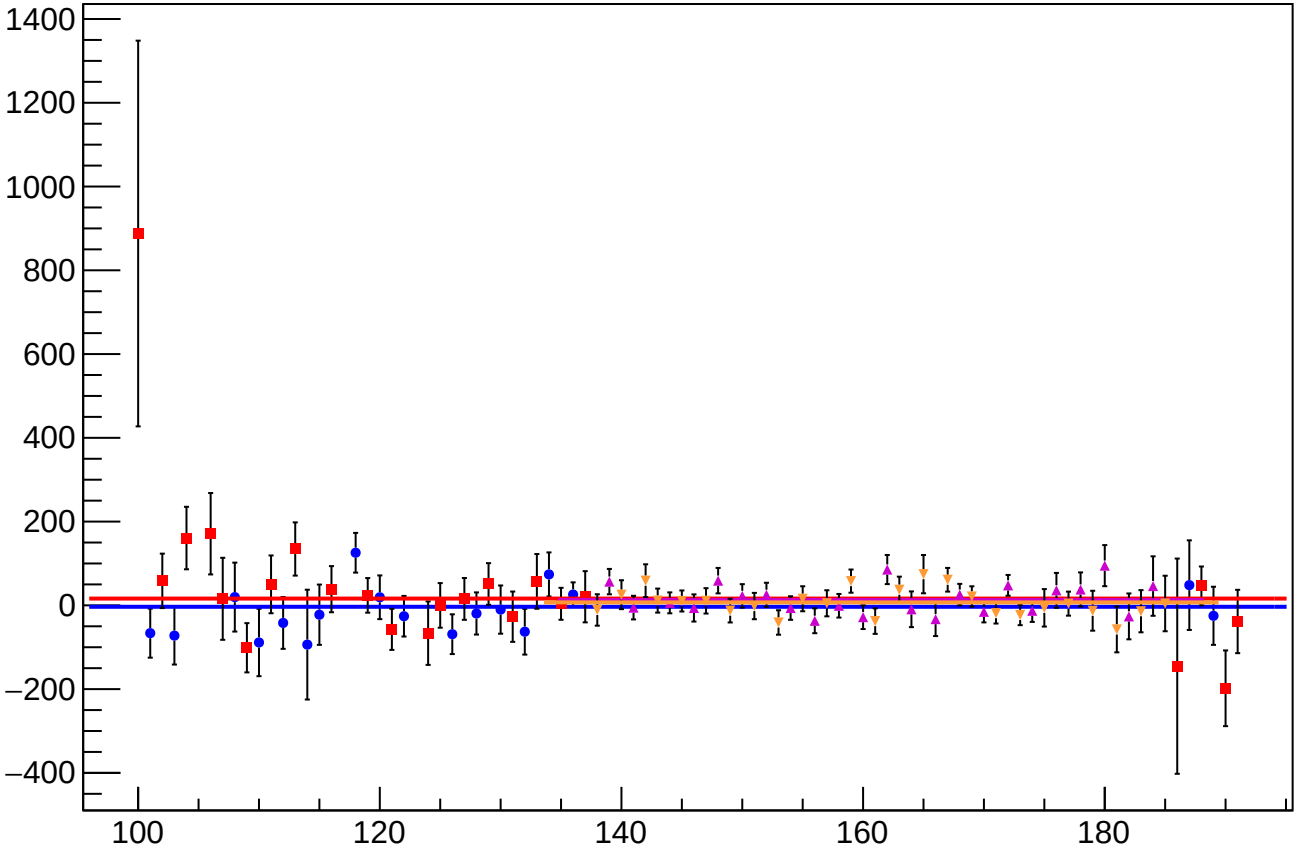
Left In: 171.490+/-0.029 χ^2/NDF:1415769.4/22

+ sign 186.718+/-0.027 χ^2/NDF: 6680656.8/42

All: 188.449+/-0.019 χ^2/NDF: 15030886.7/88

- sign 190.275+/-0.028 χ^2/NDF: 8341822.9/45

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: 16.189+/-12.612 χ^2/NDF: 30.2/22

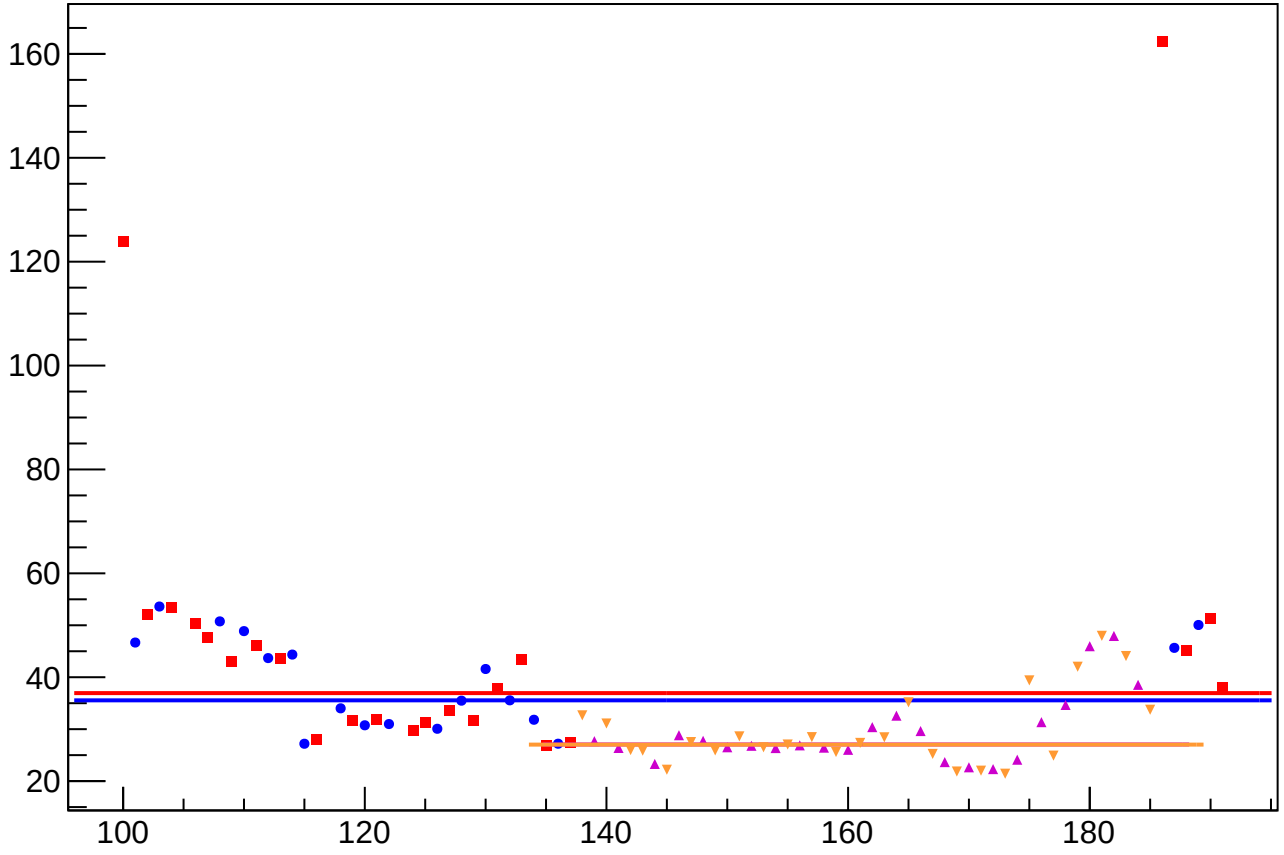
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 5.079+/-5.698 χ^2/NDF: 42.0/42

All: 9.190+/-4.060 χ^2/NDF: 99.0/88

- sign 13.432+/-5.787 χ^2/NDF: 55.9/45

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: 36.943+/-0.009 χ^2/NDF: 1391345.4/22

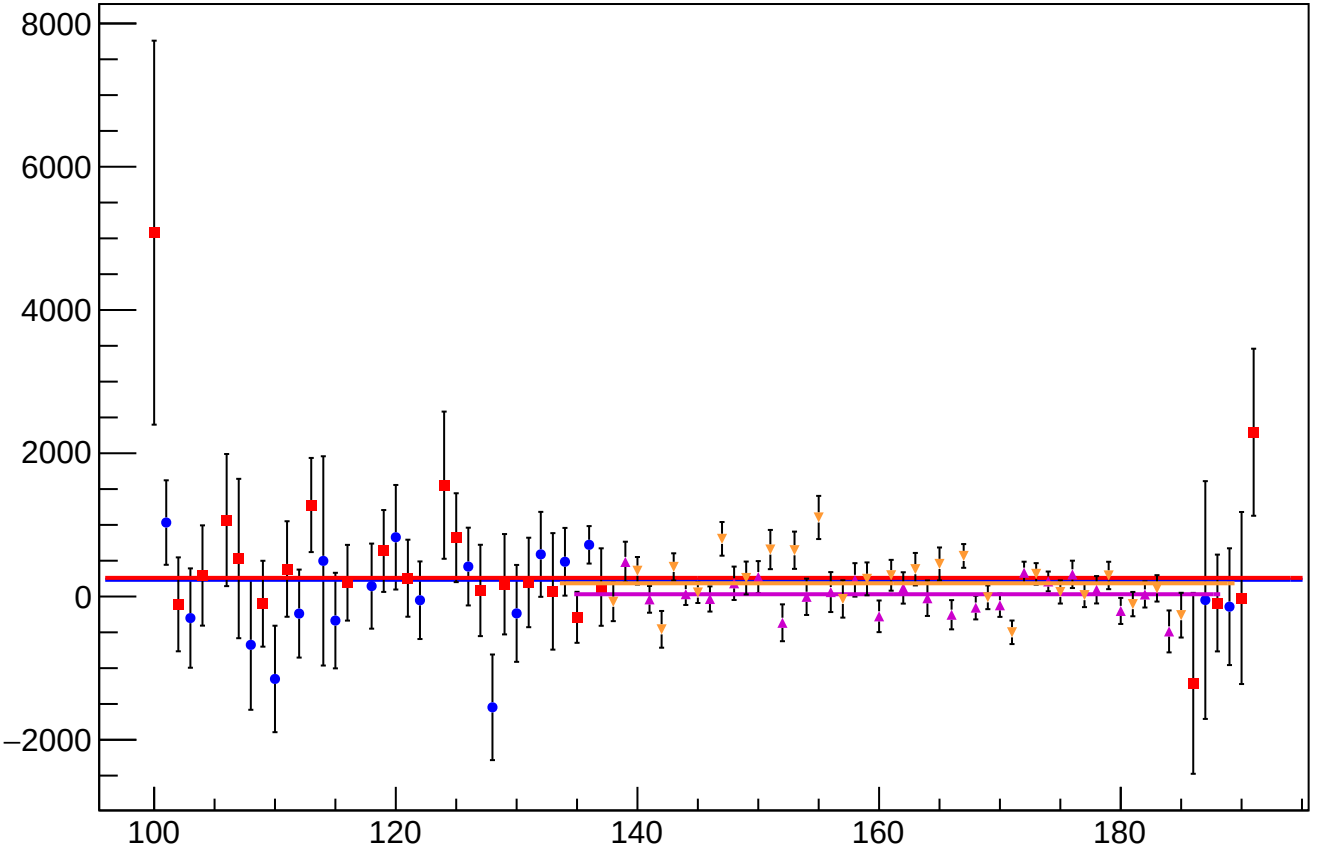
Left In: 27.052+/-0.005 χ^2/NDF:1044338.2/22

+ sign 28.651+/-0.004 χ^2/NDF: 2889592.6/42

All: 28.889+/-0.003 χ^2/NDF: 6303339.5/88

- sign 29.135+/-0.004 χ^2/NDF: 3406646.2/45

asym_sam_1357_2468_dd_eigen_dit_correction_mean vs Slug



Right In: 233.376+/-137.765 χ^2/NDF: 20.0/17

Left Out: 184.674+/-39.832 χ^2/NDF:67.7/24

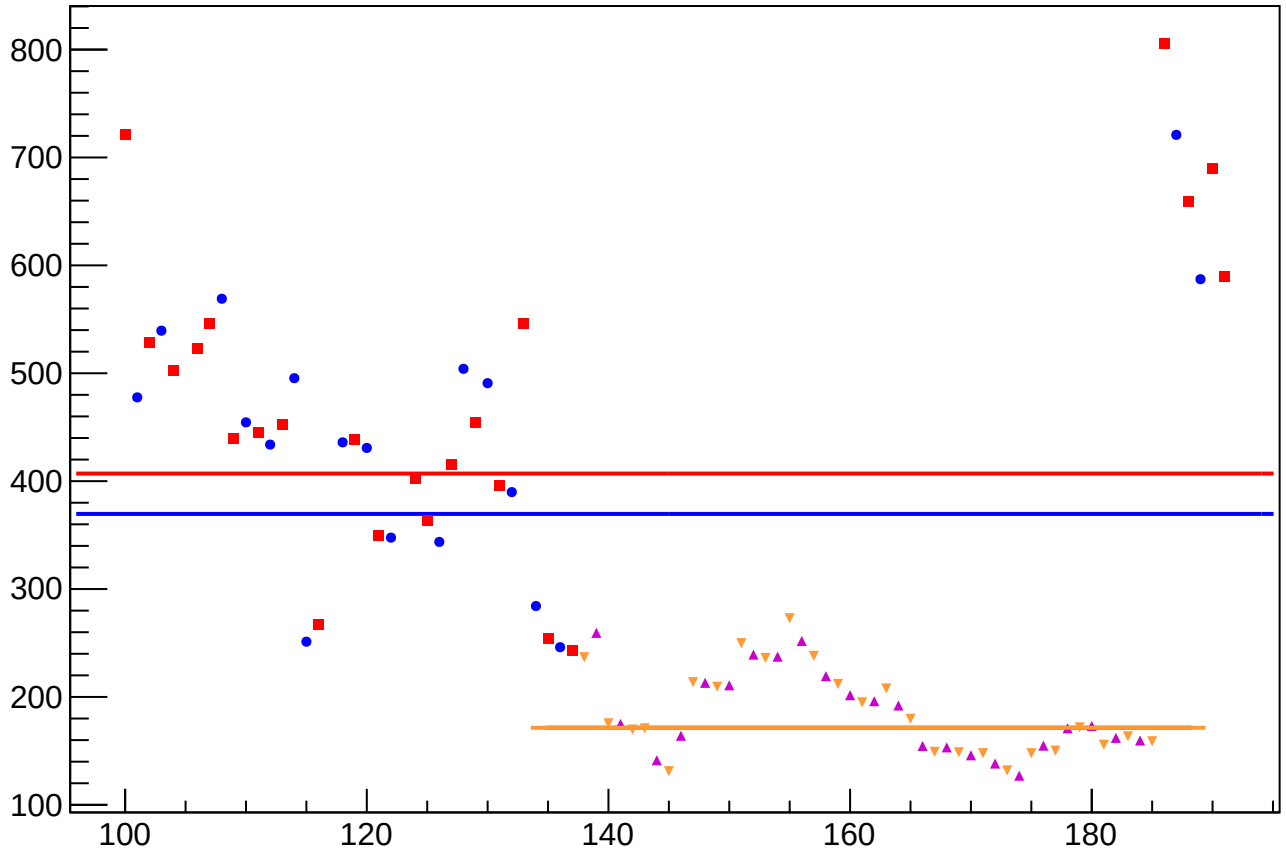
Right Out: 260.620+/-139.190 χ^2/NDF: 17.4/22

Left In: 31.891+/-40.975 χ^2/NDF:26.4/22

+ sign 188.431+/-38.265 χ^2/NDF: 87.8/42

All: 121.140+/-27.418 χ^2/NDF: 140.4/88

- sign 50.132+/-39.307 χ^2/NDF: 46.2/45



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: 407.043+/-0.098 χ^2/NDF: 1654972.0/22

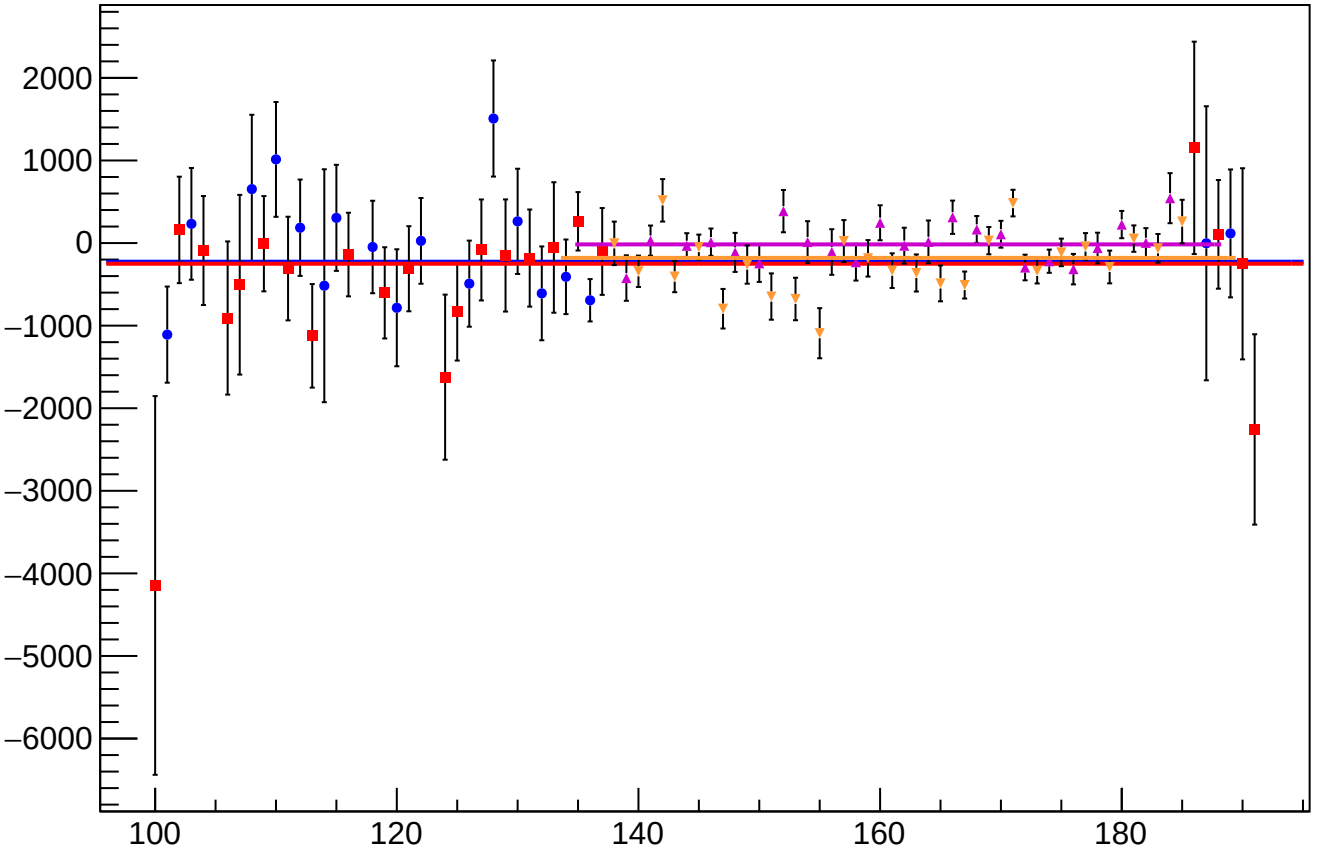
Left In: 171.489+/-0.029 χ^2/NDF:1415782.1/22

+ sign 186.718+/-0.027 χ^2/NDF: 6680673.5/42

All: 188.448+/-0.019 χ^2/NDF: 1503092 8.1/88

- sign 190.274+/-0.028 χ^2/NDF: 8341848.0/45

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: -250.310+/-134.676 χ^2/NDF: 16.2/22

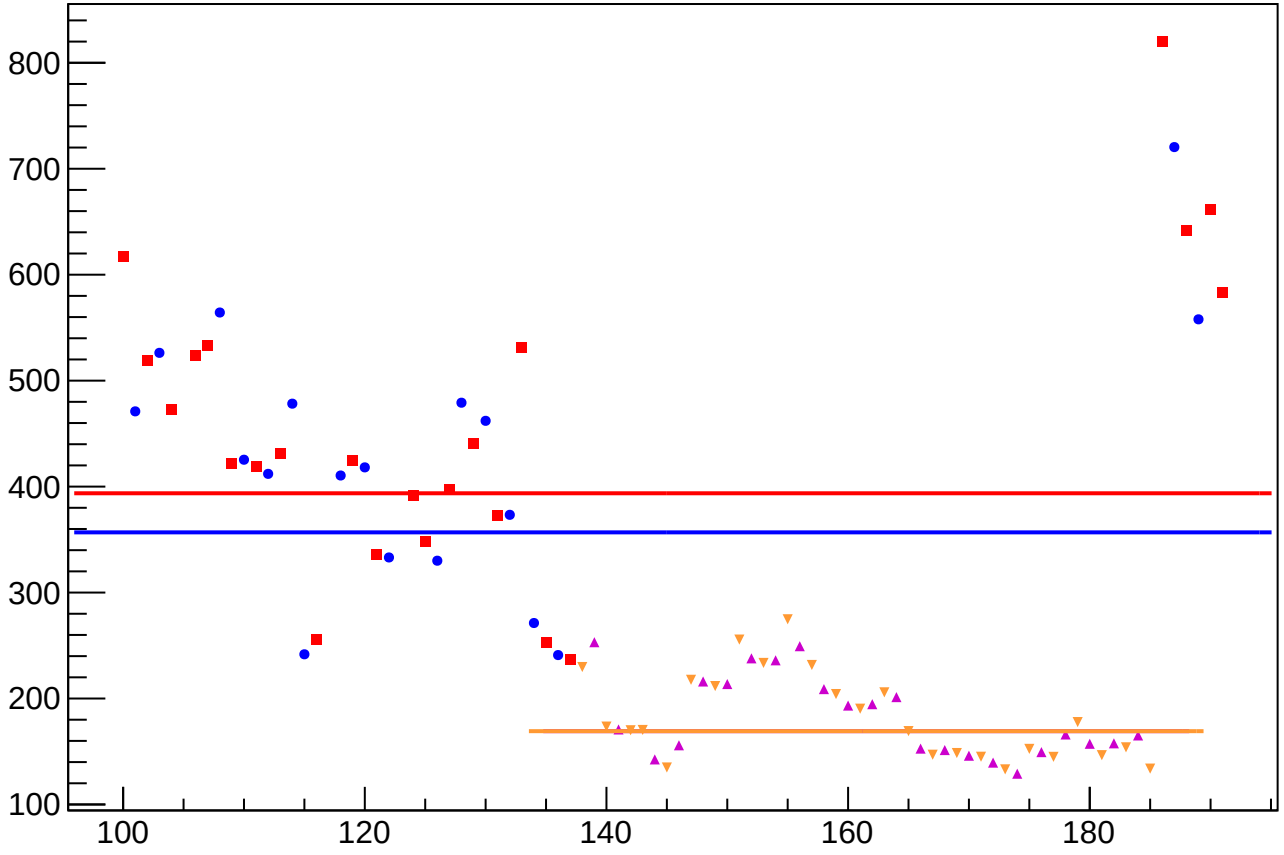
Left In: -16.057+/-40.396 χ^2/NDF:26.6/22

+ sign -183.400+/-37.743 χ^2/NDF: 87.4/42

All: -111.237+/-27.018 χ^2/NDF: 140.5/88

- sign -35.393+/-38.693 χ^2/NDF: 45.6/45

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

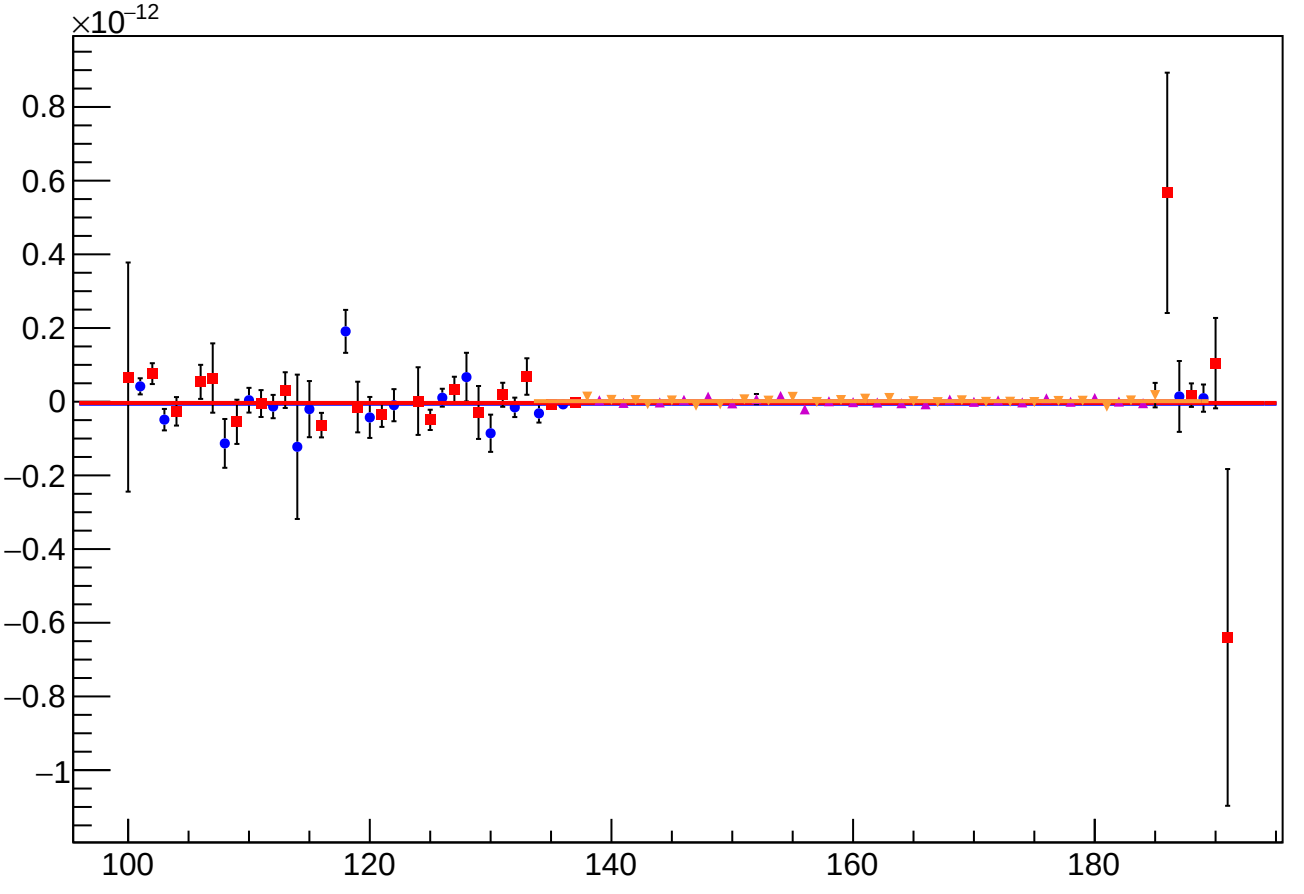
Right Out: 393.707+/-0.095 χ^2/NDF: 1636724.4/22

Left In: 169.187+/-0.029 χ^2/NDF:1374439.5/22

+ sign 184.315+/-0.027 χ^2/NDF: 6508354.4/42

All: 185.975+/-0.019 χ^2/NDF: 14627164.8/88

- sign 187.720+/-0.027 χ^2/NDF: 8110872.8/45



Right In: -0.000+/-0.000 χ^2/NDF: 27.5/17

Left Out: 0.000+/-0.000 χ^2/NDF:18.8/24

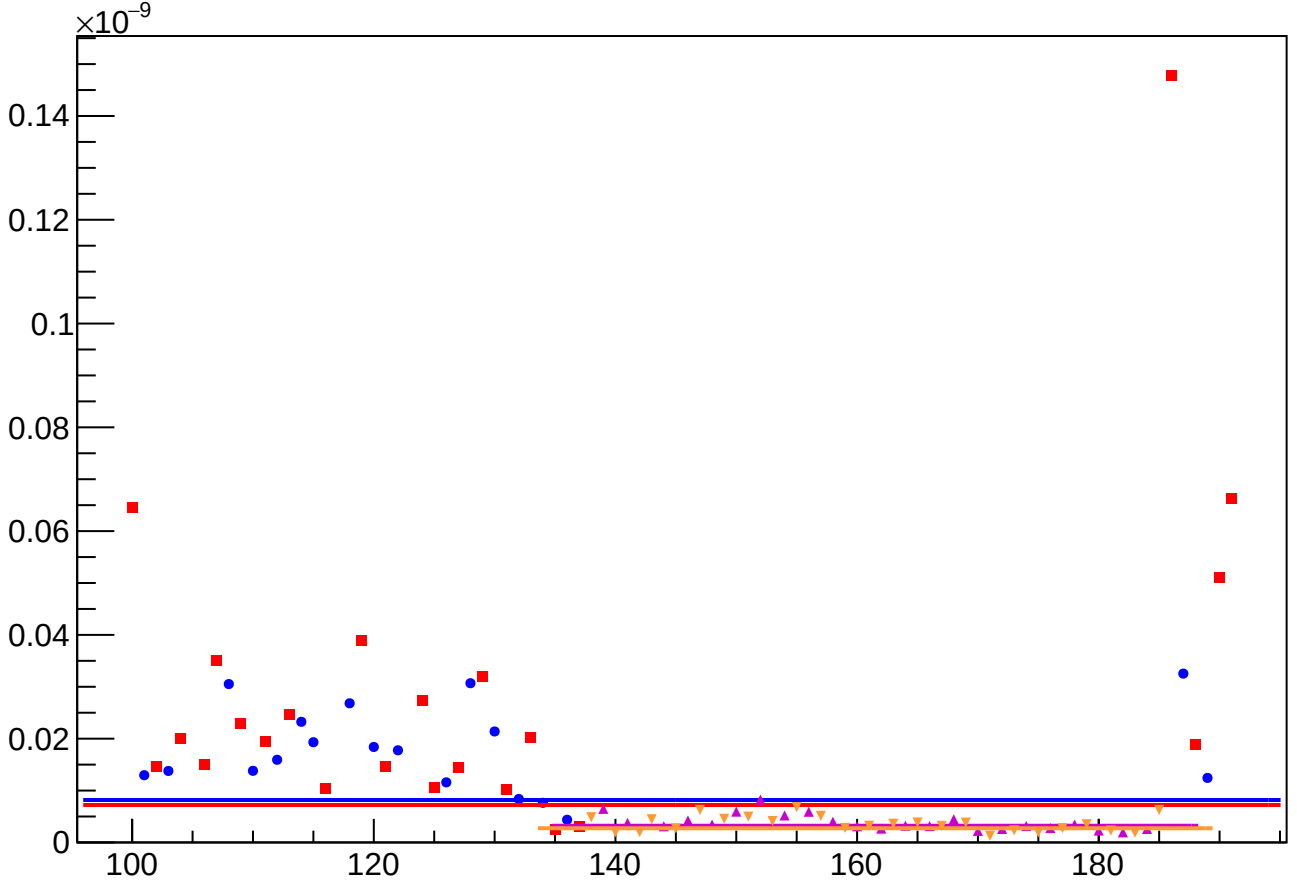
Right Out: -0.000+/-0.000 χ^2/NDF: 29.2/22

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: 97.4/88

- sign 0.000+/-0.000 χ^2/NDF: 49.6/45



Right In: 0.000+/-0.000 χ^2/NDF: 2106531.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:1923193.7/24

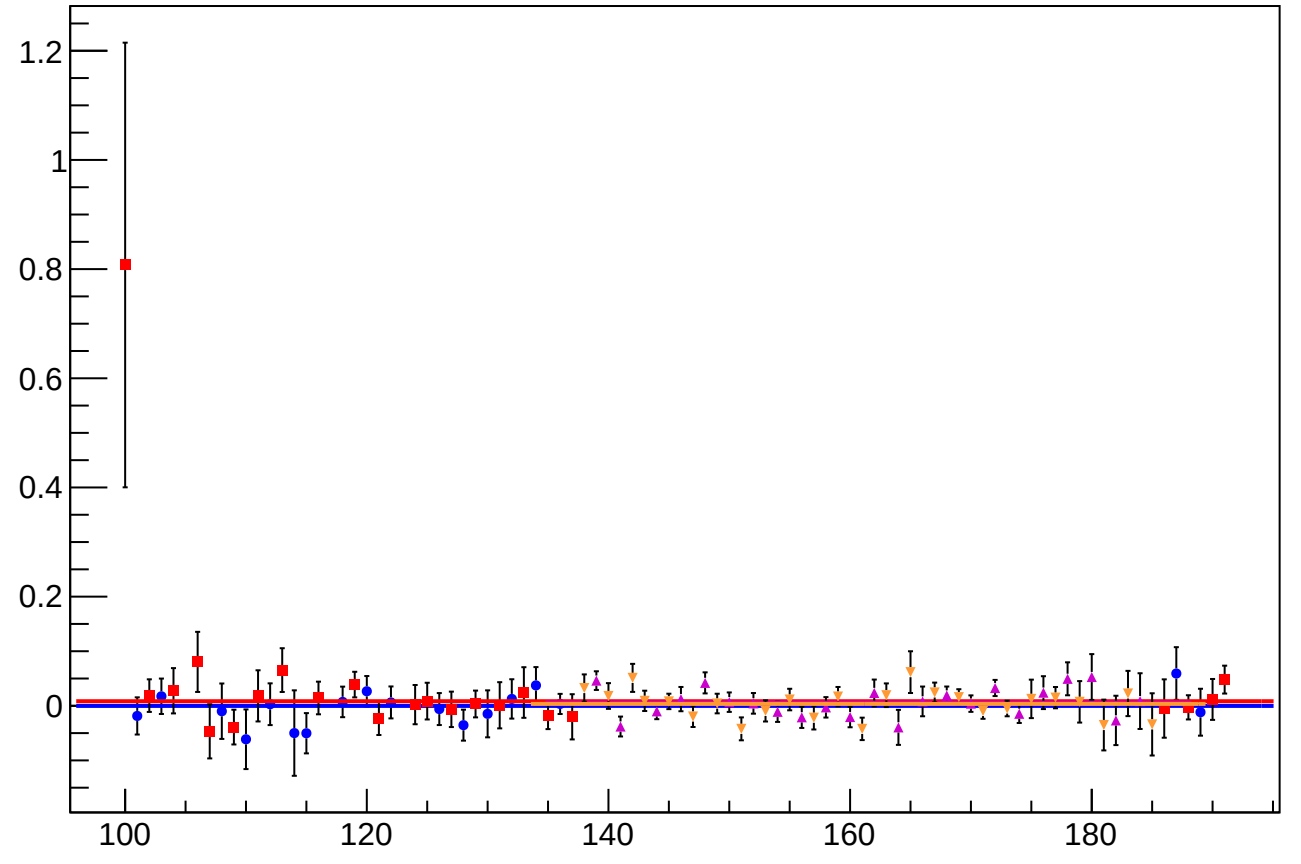
Right Out: 0.000+/-0.000 χ^2/NDF: 4323124.3/22

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: 12685312.7/88

- sign 0.000+/-0.000 χ^2/NDF: 6690881.2/45



Right In: -0.000+/-0.008 χ^2/NDF: 9.9/17

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

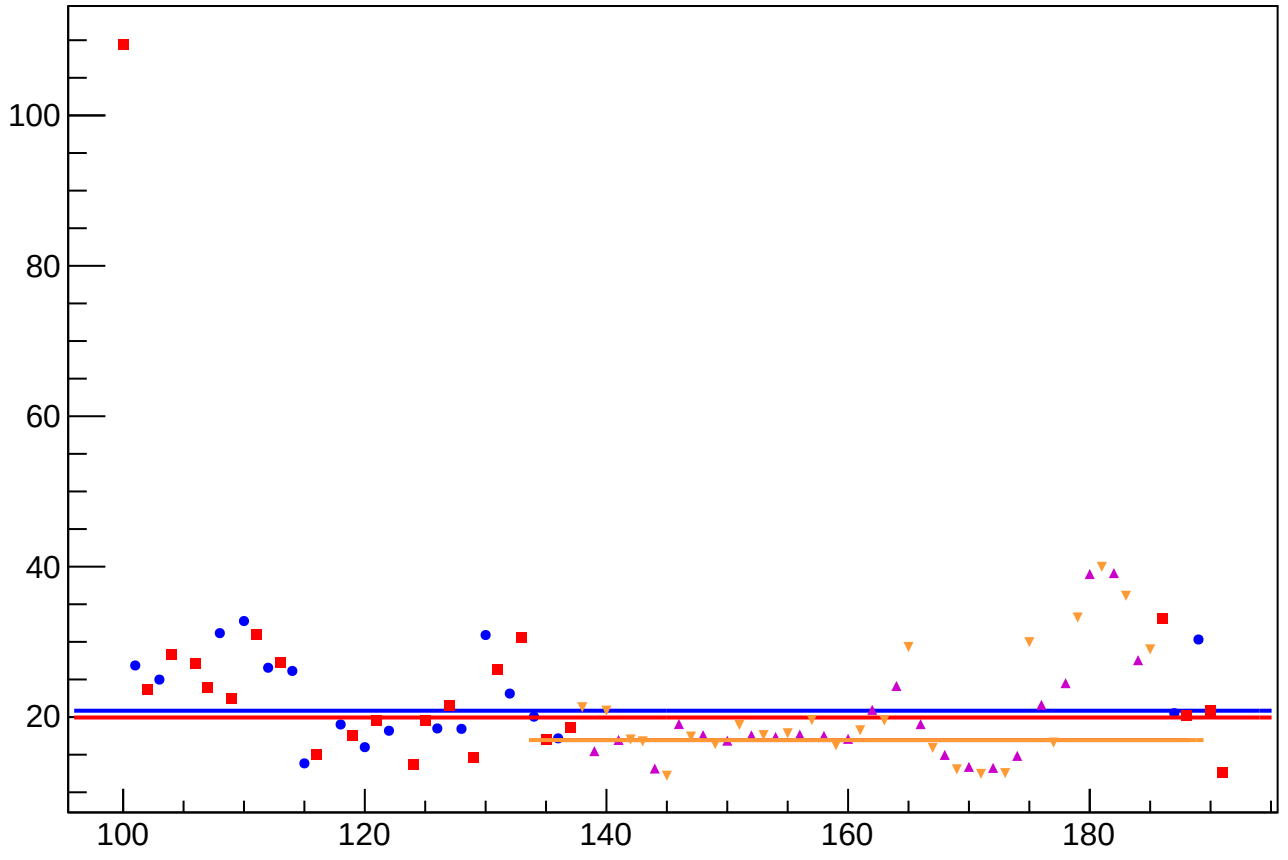
Right Out: 0.008+/-0.007 χ^2/NDF: 19.0/22

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: 89.9/88

- sign 0.006+/-0.004 χ^2/NDF: 52.4/45



Right In: 20.846+/-0.006 χ^2/NDF: 806465.3/17

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

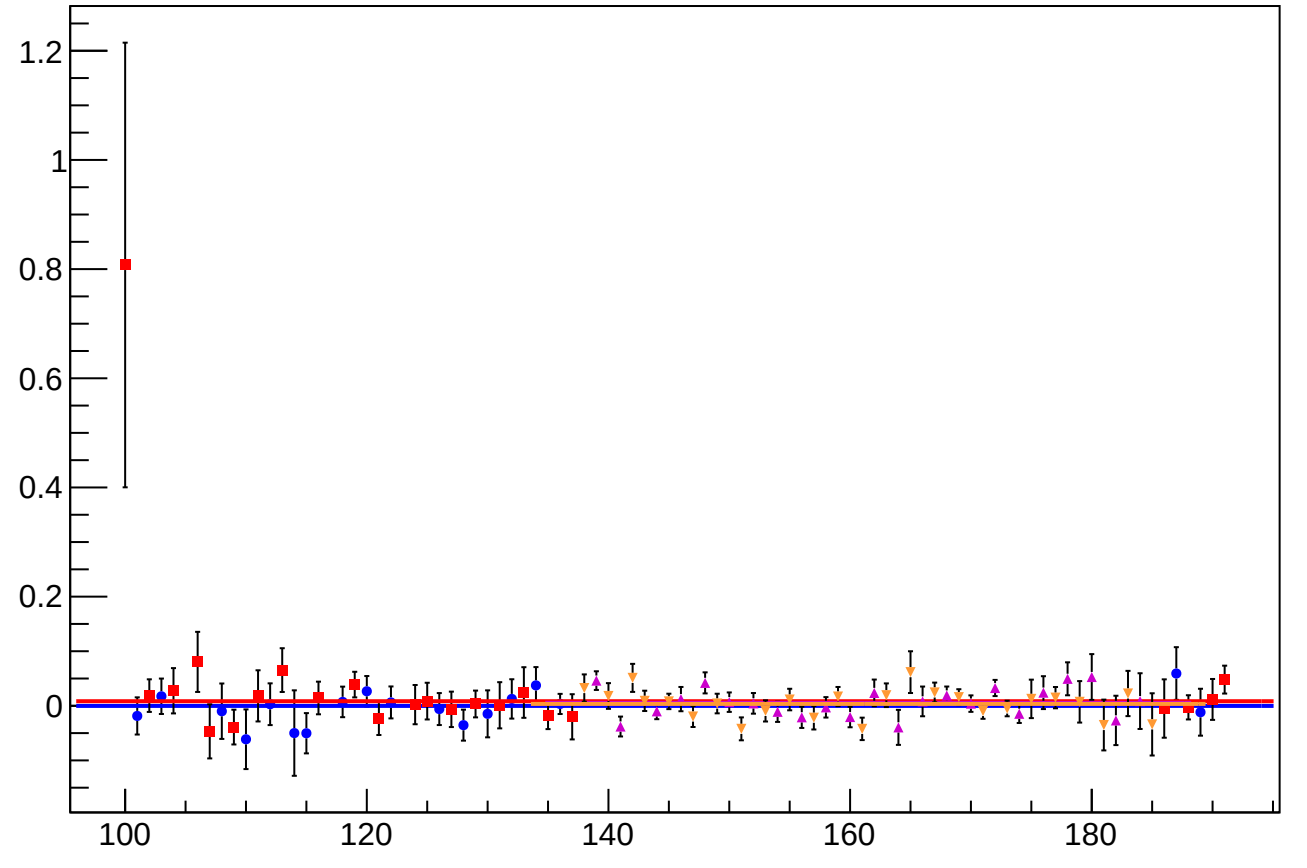
Right Out: 19.944+/-0.005 χ^2/NDF: 1158013.5/22

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

+ sign 17.779+/-0.003 χ^2/NDF: 4035479.2/42

All: 17.761+/-0.002 χ^2/NDF: 7408997.4/88

- sign 17.743+/-0.003 χ^2/NDF: 3373423.6/45



Right In: -0.000+/-0.008 χ^2/NDF: 9.9/17

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

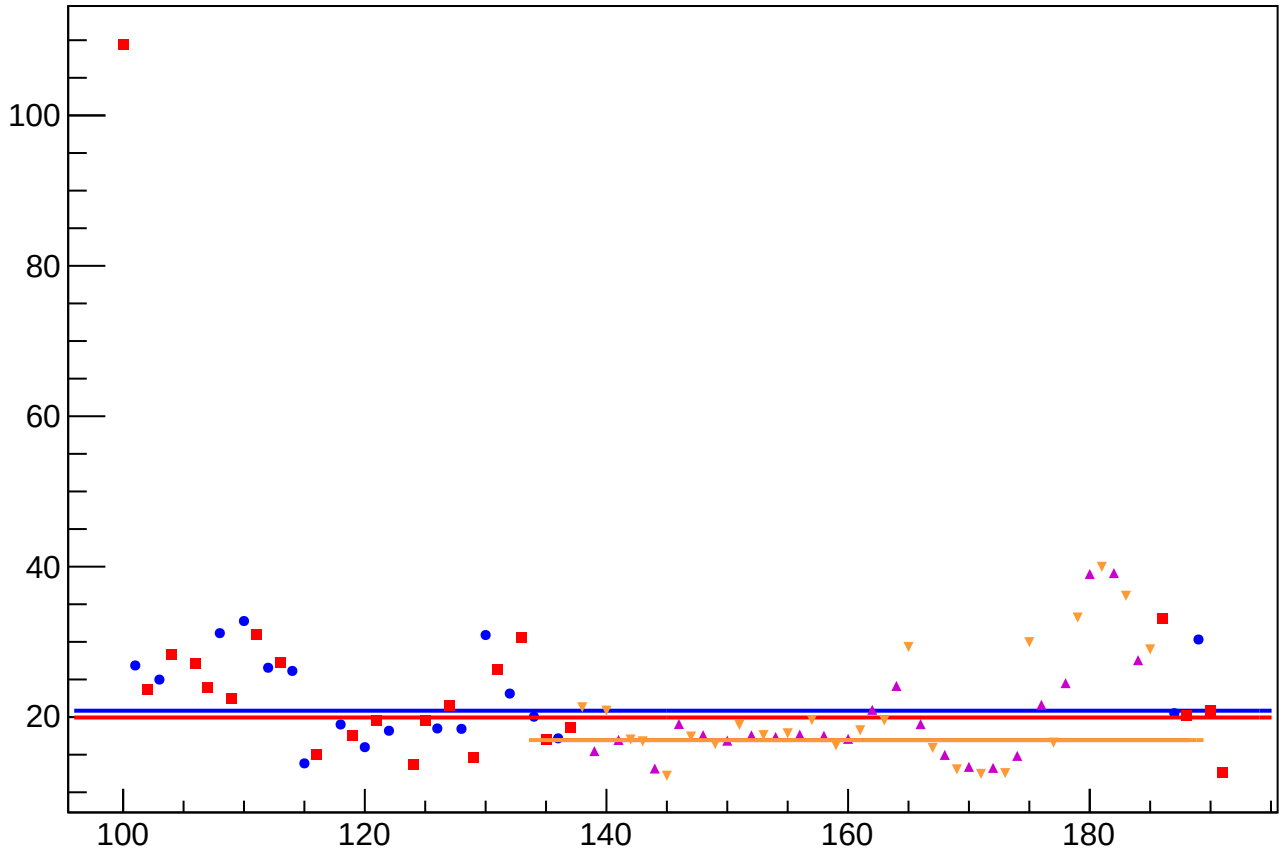
Right Out: 0.008+/-0.007 χ^2/NDF: 19.0/22

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: 89.9/88

- sign 0.006+/-0.004 χ^2/NDF: 52.4/45



Right In: 20.846+/-0.006 χ^2/NDF: 806465.3/17

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

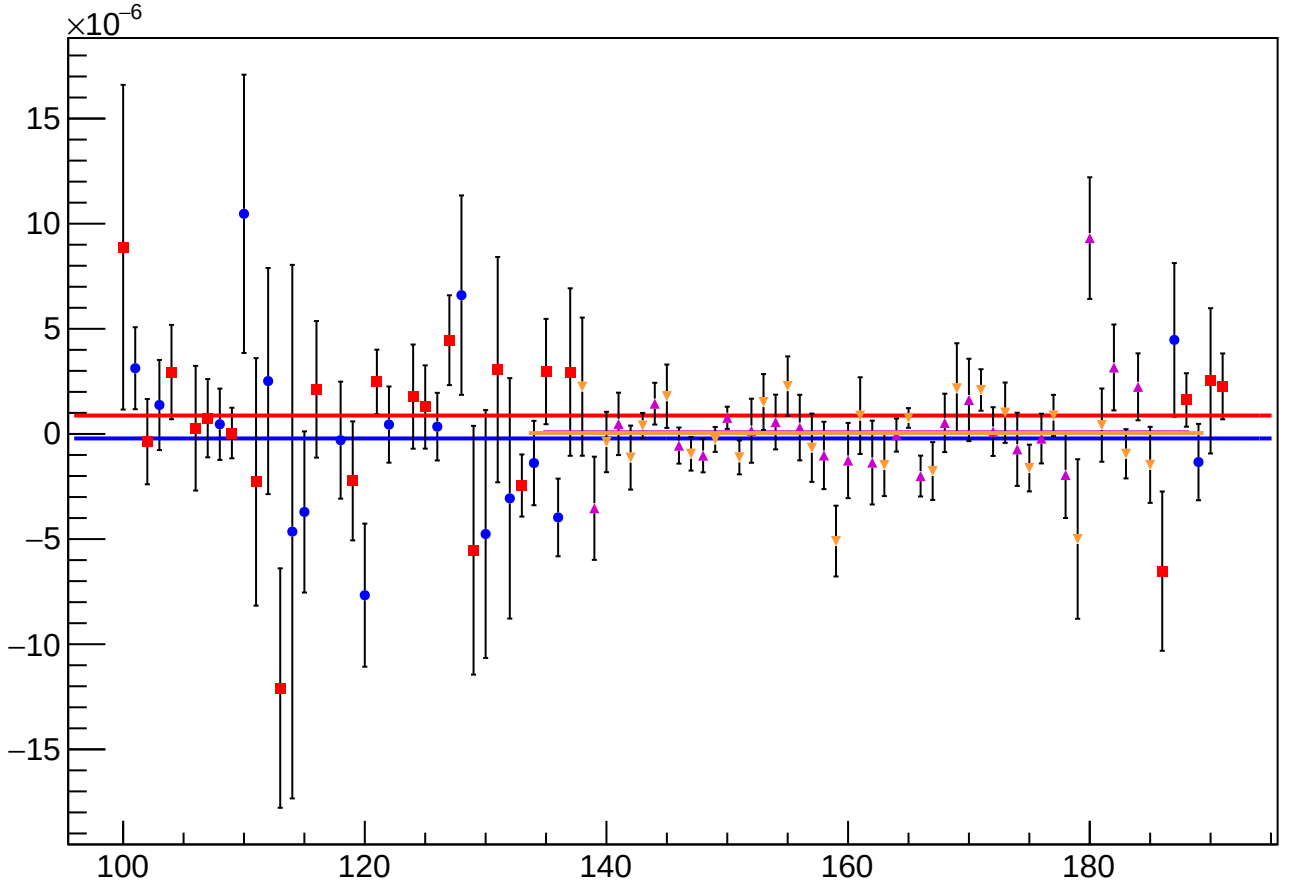
Right Out: 19.944+/-0.005 χ^2/NDF: 1158013.5/22

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

\+ sign 17.779+/-0.003 χ^2/NDF: 4035479.2/42

All: 17.761+/-0.002 χ^2/NDF: 7408997.4/88

\- sign 17.743+/-0.003 χ^2/NDF: 3373423.6/45



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:37.2/24

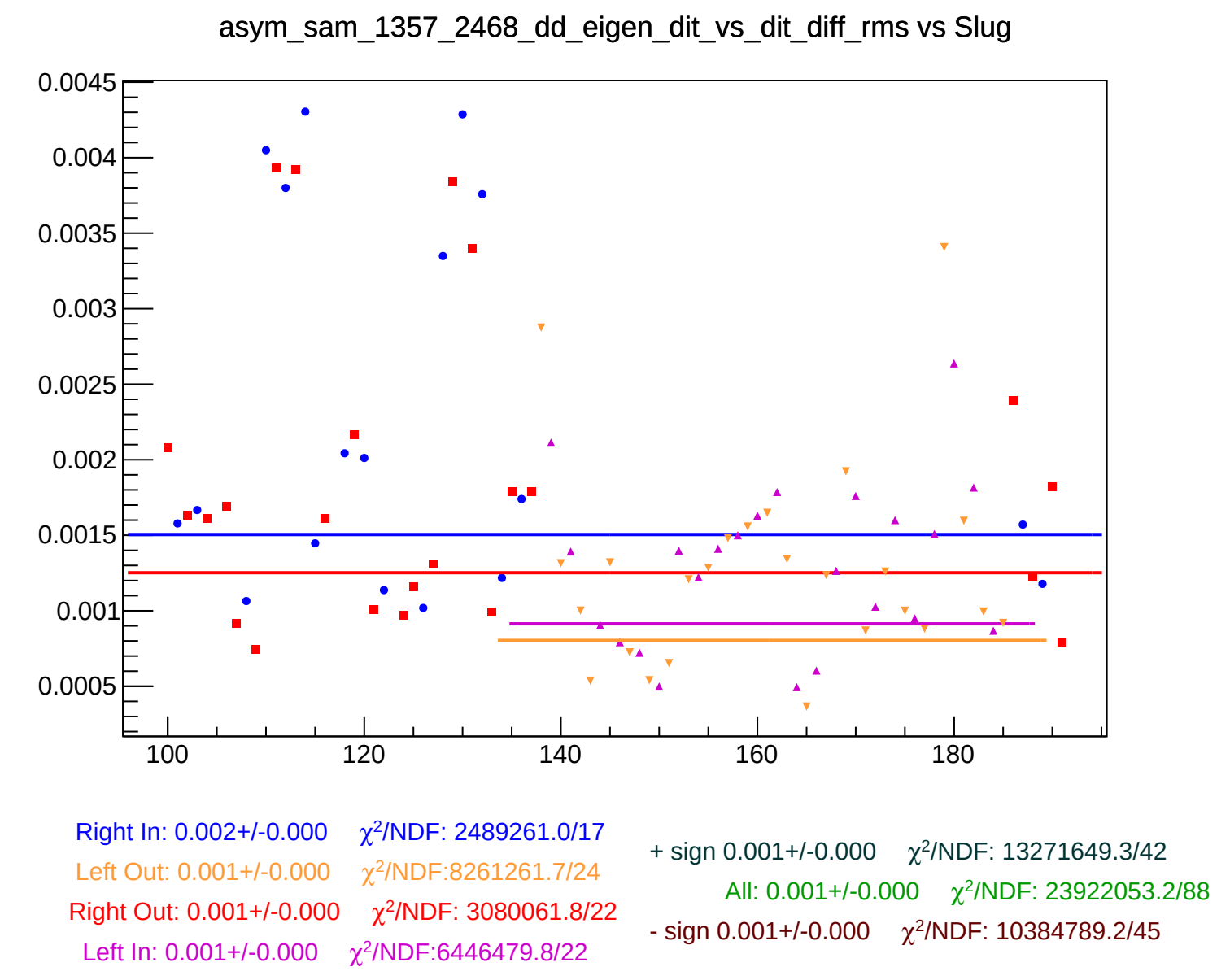
Right Out: 0.000+/-0.000 χ^2/NDF: 26.3/22

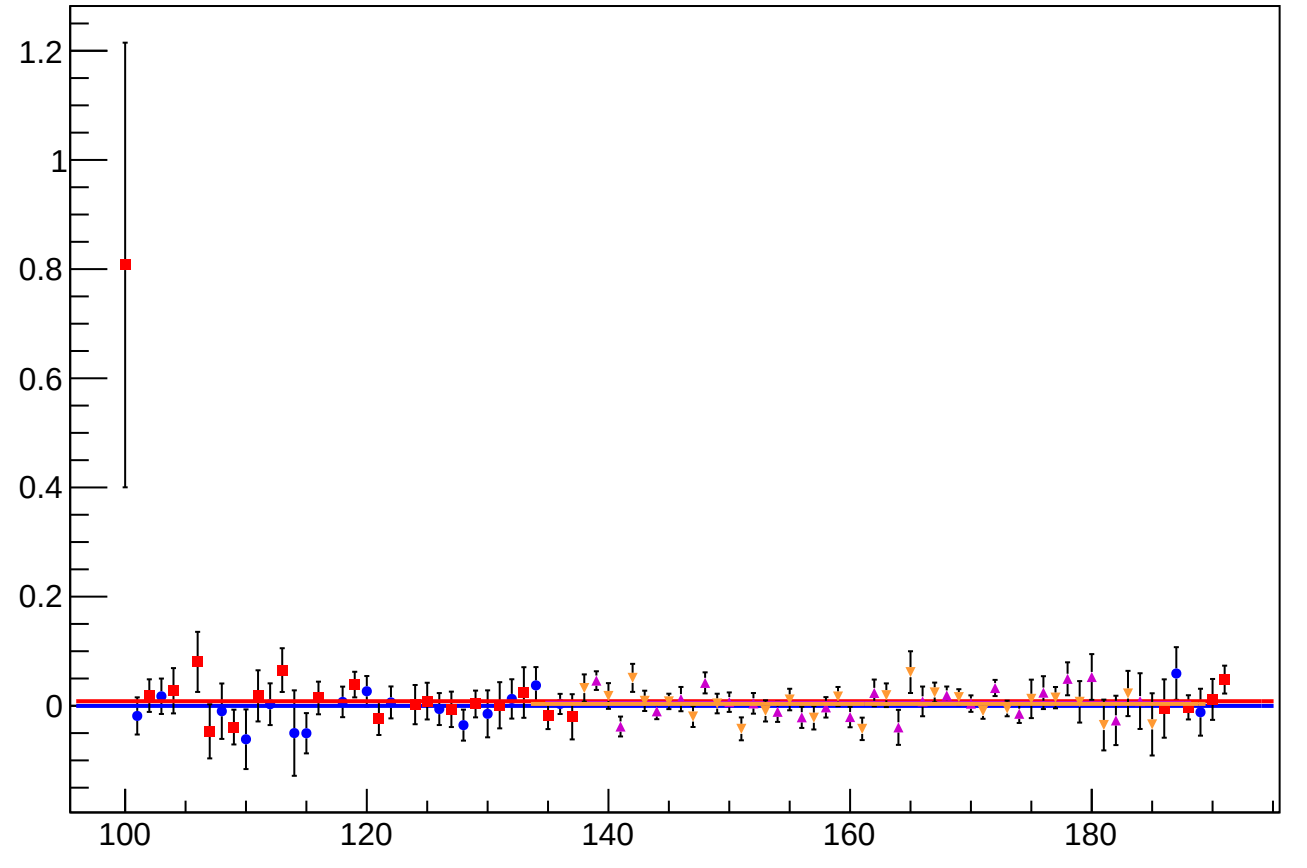
Left In: 0.000+/-0.000 χ^2/NDF:31.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 59.3/42

All: 0.000+/-0.000 χ^2/NDF: 119.6/88

- sign 0.000+/-0.000 χ^2/NDF: 59.6/45


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
120
140
160
180
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: 3080061.8/22
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: 23922053.2/88
- sign 0.001+/-0.000 χ²/NDF: 10384789.2/45



Right In: -0.000+/-0.008 χ^2/NDF: 9.9/17

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

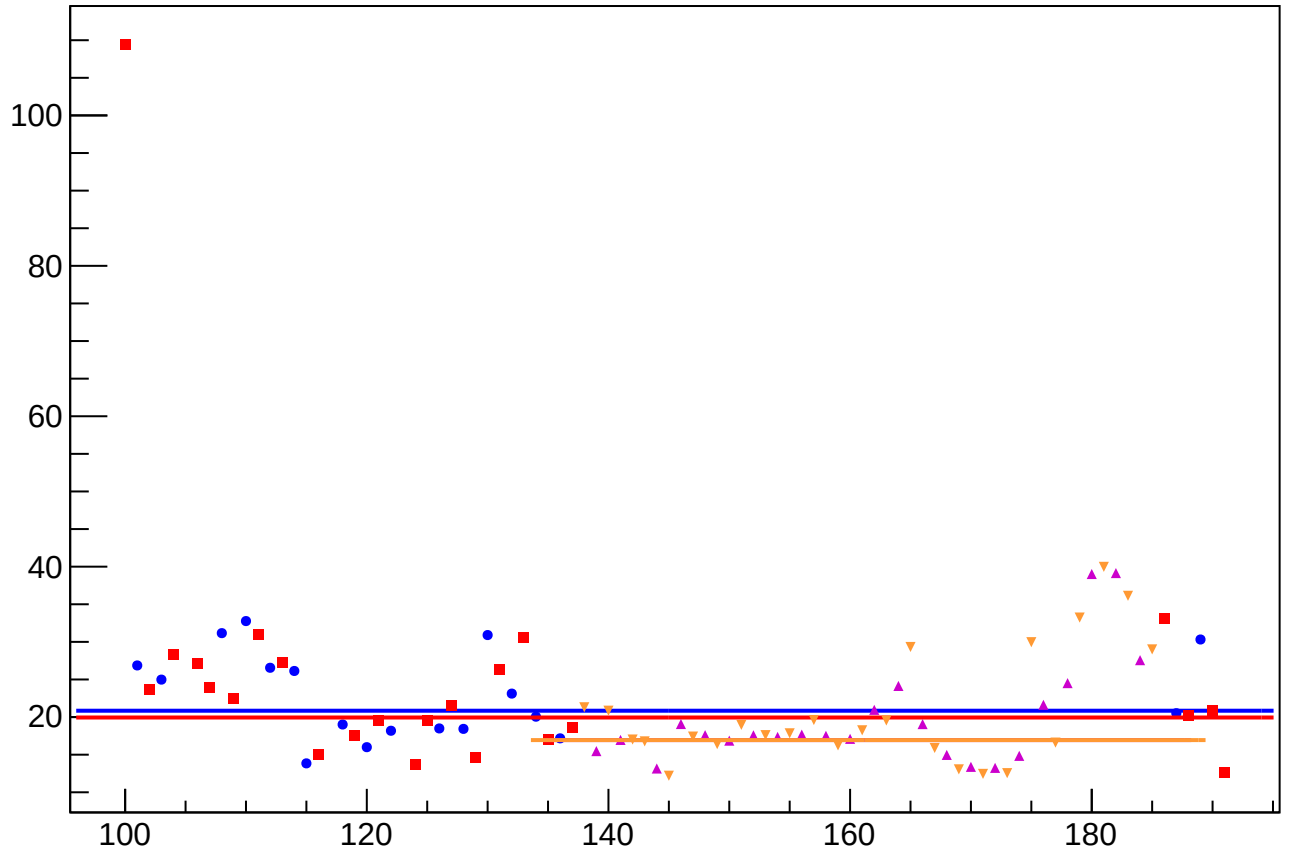
Right Out: 0.008+/-0.007 χ^2/NDF: 19.0/22

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: 89.9/88

- sign 0.006+/-0.004 χ^2/NDF: 52.4/45



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: 19.943+/-0.005 χ^2/NDF: 1157997.5/22

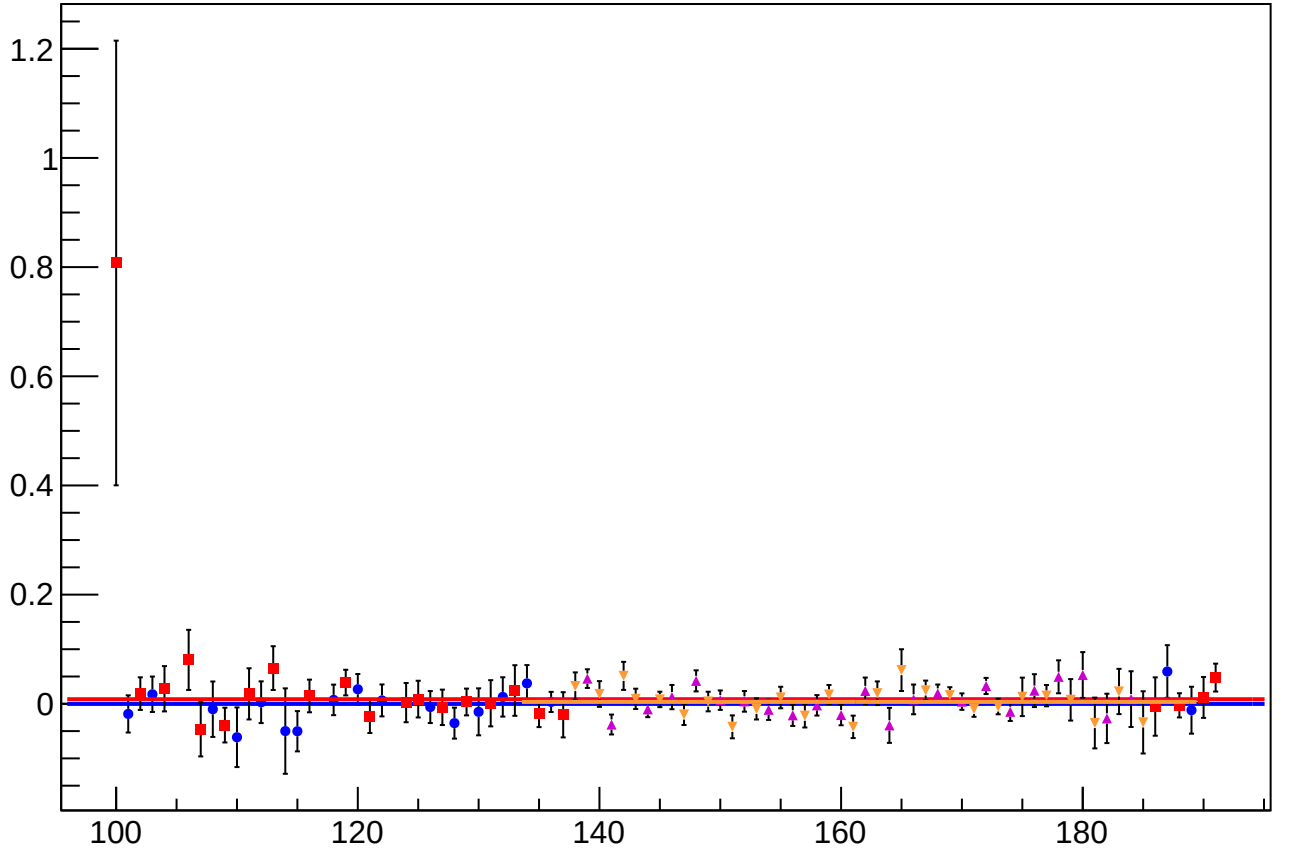
Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

\+ sign 17.779+/-0.003 χ^2/NDF: 4035229.4/42

All: 17.761+/-0.002 χ^2/NDF: 7408626.4/88

\- sign 17.743+/-0.003 χ^2/NDF: 3373302.0/45

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

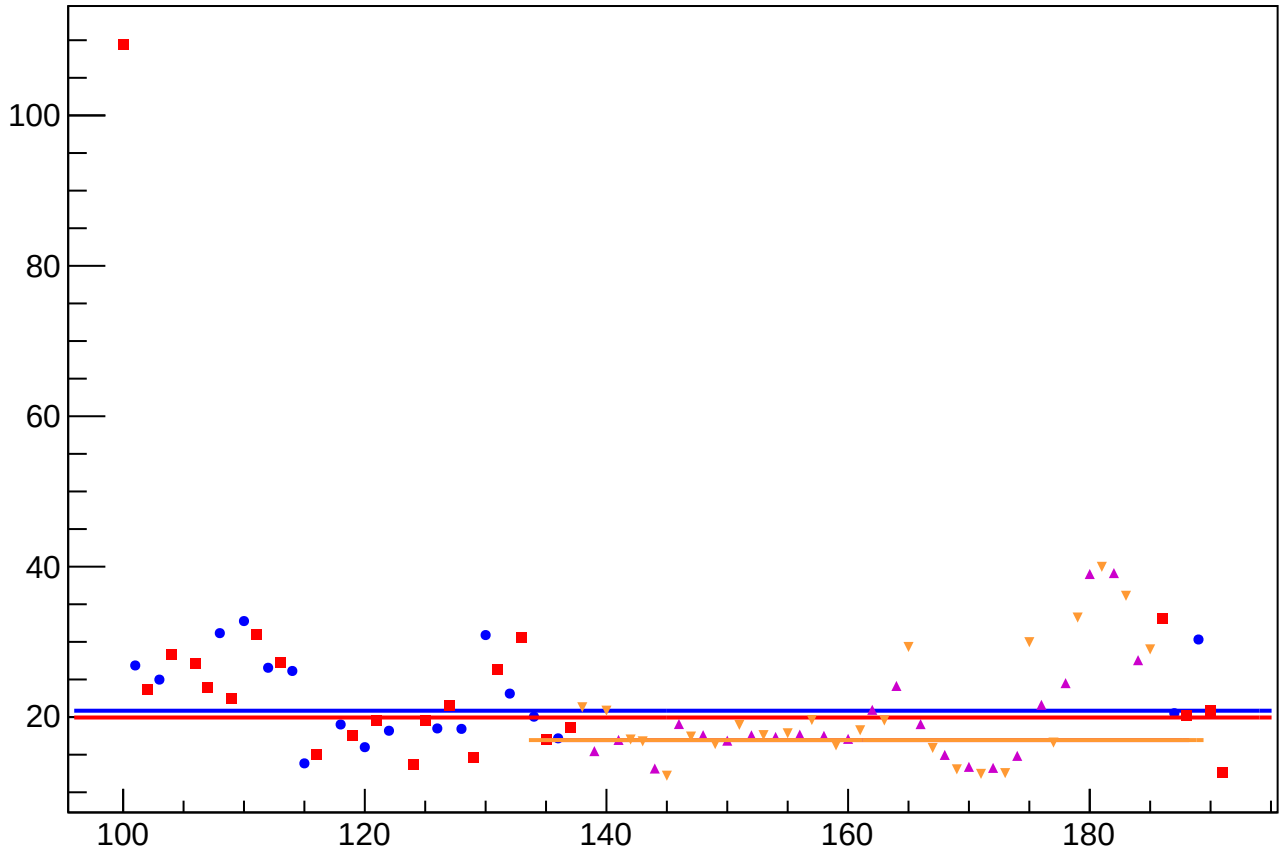
Right Out: 0.008+/-0.007 χ^2/NDF: 19.0/22

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: 89.9/88

- sign 0.006+/-0.004 χ^2/NDF: 52.4/45



Right In: 20.845+/-0.006 χ^2/NDF: 806359.9/17

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

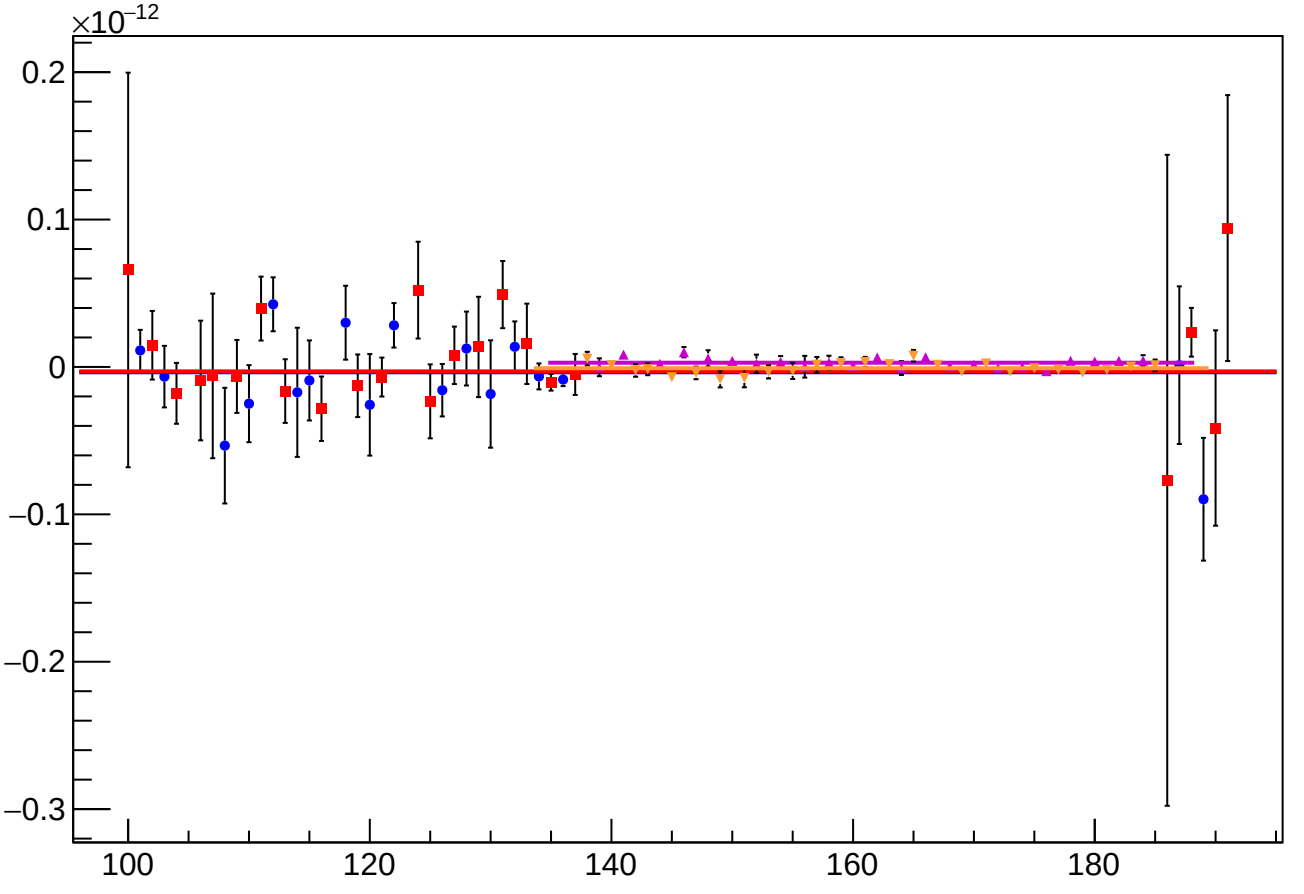
Right Out: 19.943+/-0.005 χ^2/NDF: 1157997.5/22

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

\+ sign 17.779+/-0.003 χ^2/NDF: 4035229.4/42

All: 17.761+/-0.002 χ^2/NDF: 7408626.4/88

\- sign 17.743+/-0.003 χ^2/NDF: 3373302.0/45



Right In: -0.000+/-0.000 χ^2/NDF: 24.3/17

Left Out: -0.000+/-0.000 χ^2/NDF:23.6/24

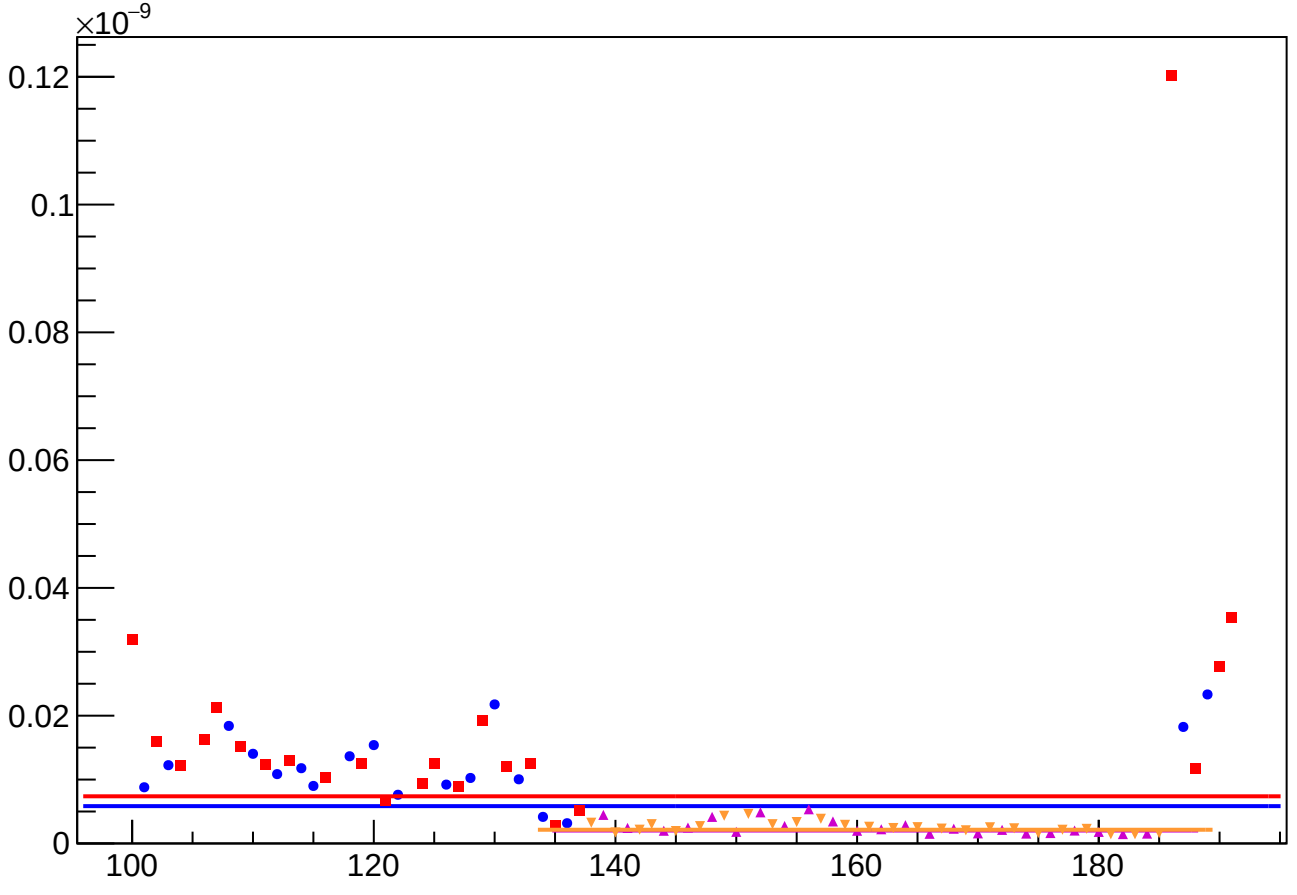
Right Out: -0.000+/-0.000 χ^2/NDF: 22.9/22

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: 114.3/88

- sign 0.000+/-0.000 χ^2/NDF: 48.4/45



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: 4173189.2/22

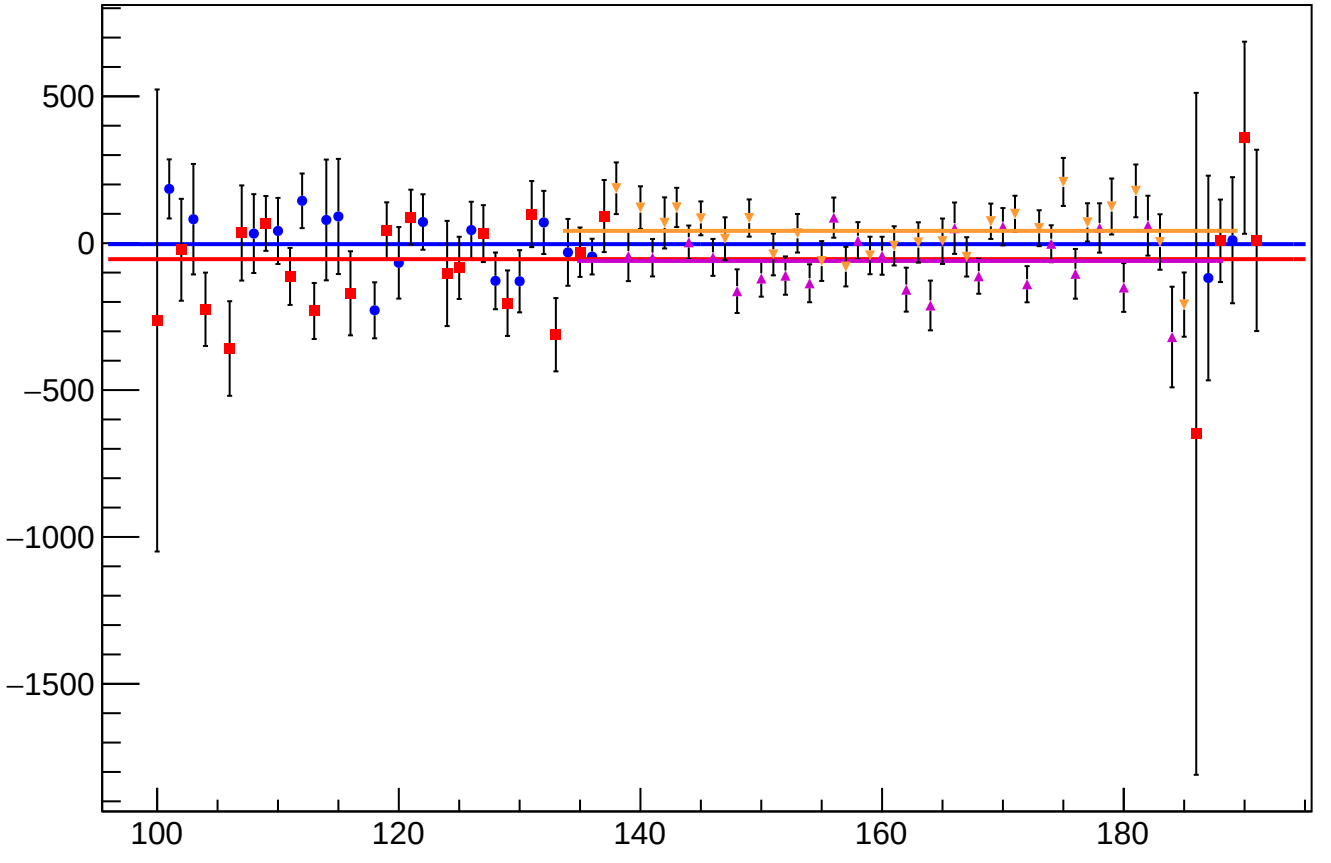
Left In: 0.000+/-0.000 χ^2/NDF:2375362.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 7860038.8/42

All: 0.000+/-0.000 χ^2/NDF: 18406430.6/88

- sign 0.000+/-0.000 χ^2/NDF: 10513583.6/45

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: -54.296+/-25.751 χ^2/NDF: 27.8/22

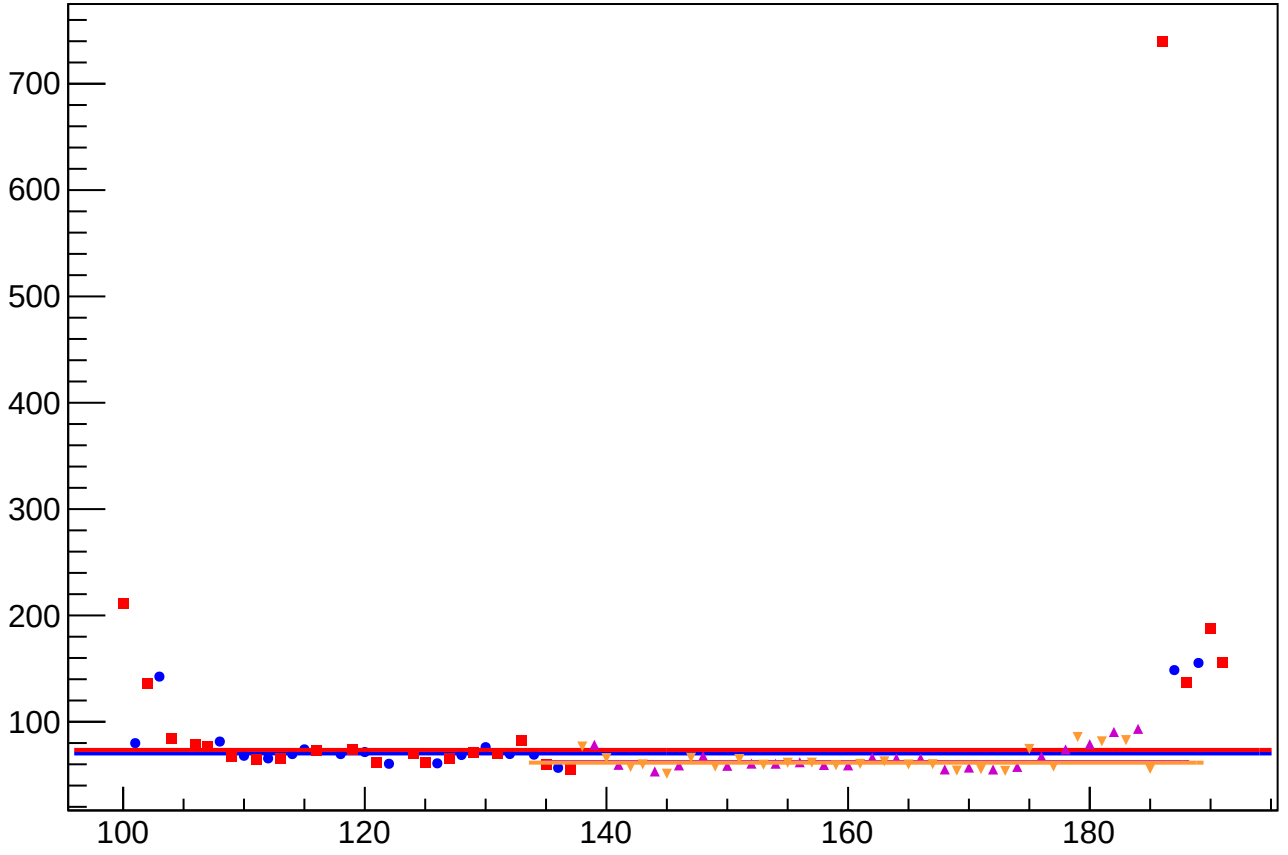
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 31.609+/-12.444 χ^2/NDF: 52.2/42

All: -12.446+/-8.914 χ^2/NDF: 138.0/88

- sign -58.880+/-12.775 χ^2/NDF: 60.1/45

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

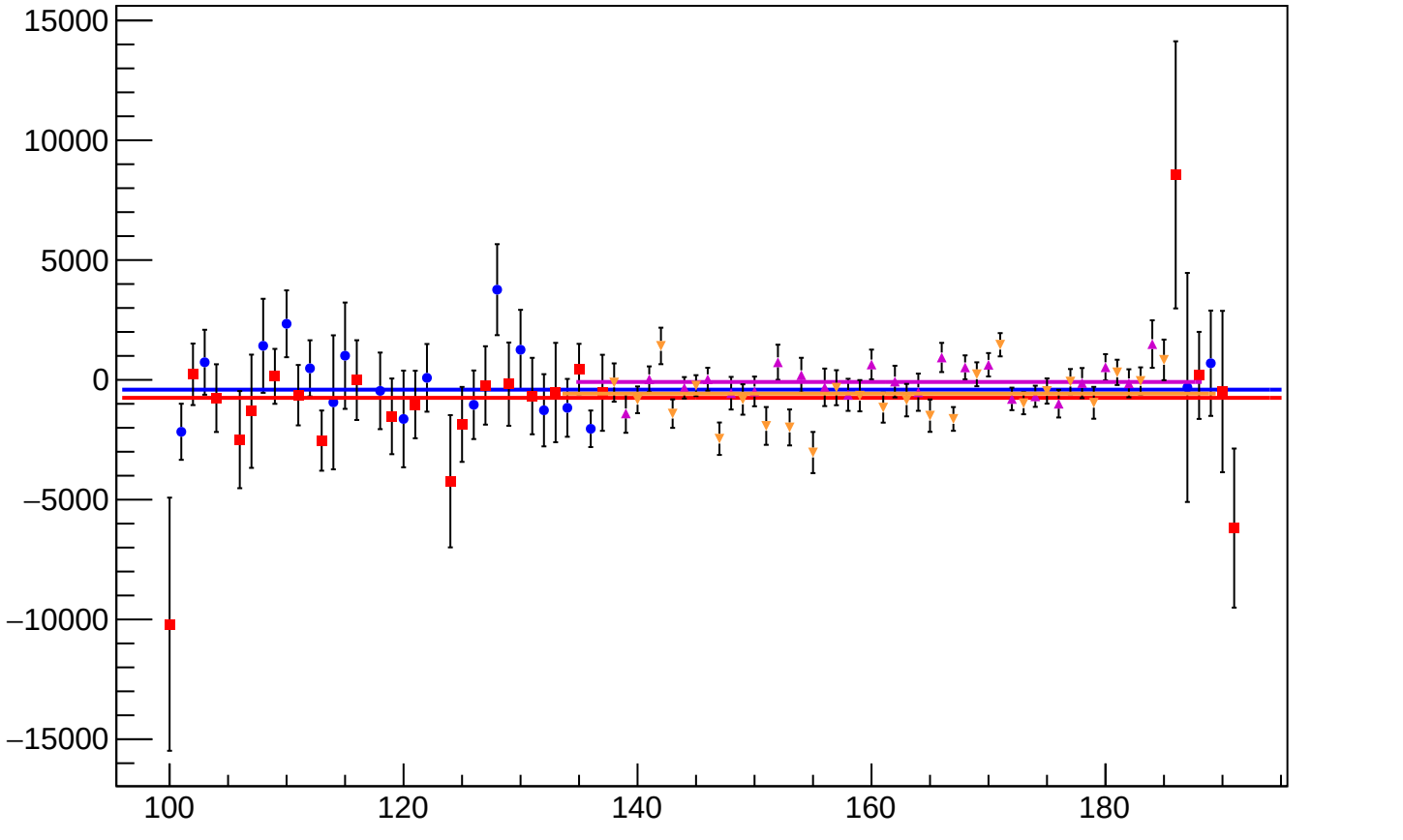
Right Out: 73.539+/-0.018 χ^2/NDF: 2013749.0/22

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 63.538+/-0.009 χ^2/NDF: 1705950.5/42

All: 64.225+/-0.006 χ^2/NDF: 4624200.4/88

- sign 64.949+/-0.009 χ^2/NDF: 2905726.9/45



Right In: -409.179+/-343.674 χ^2/NDF: 20.8/17

Left Out: -574.818+/-119.736 χ^2/NDF:68.8/24

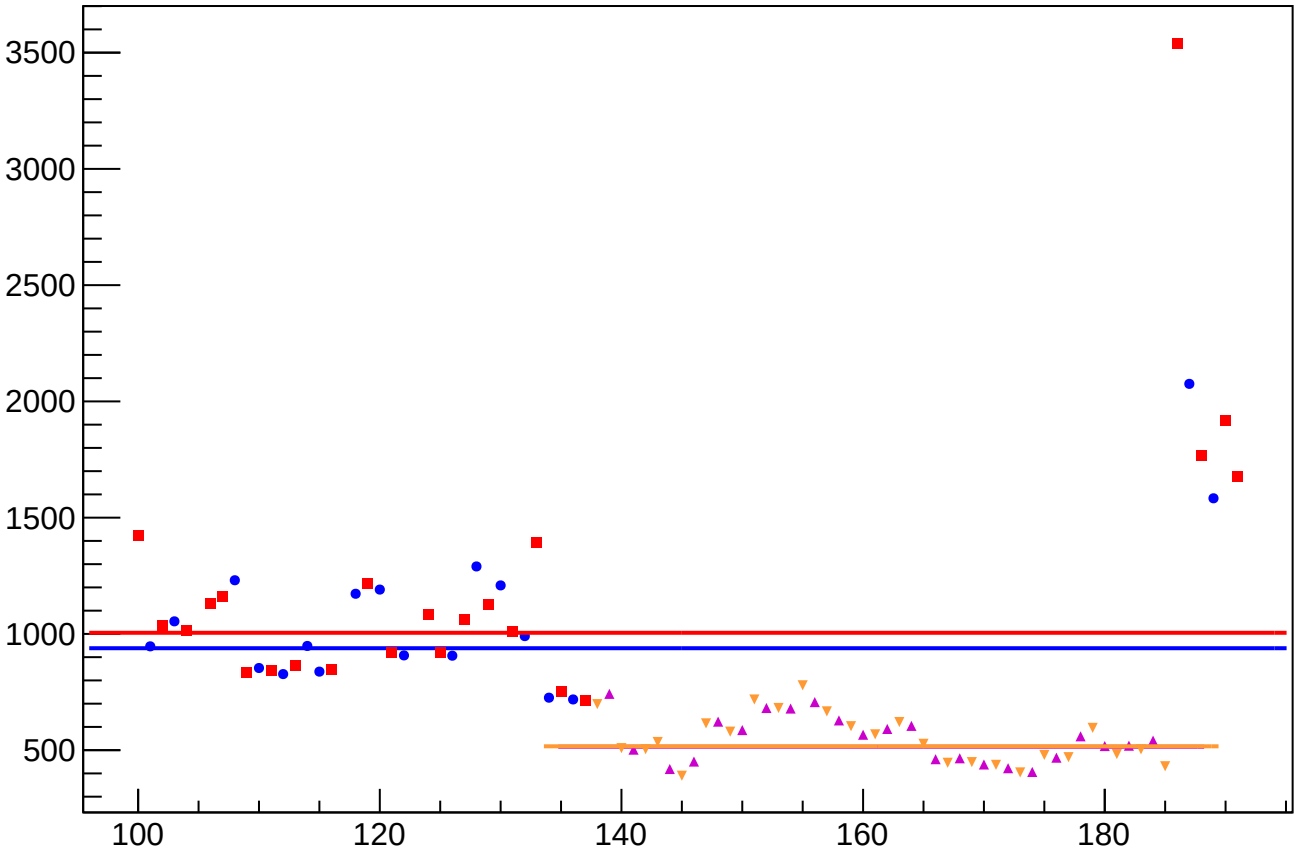
Right Out: -751.191+/-342.257 χ^2/NDF: 17.1/22

Left In: -88.334+/-122.492 χ^2/NDF:24.6/22

\+ sign -556.888+/-113.070 χ^2/NDF: 89.8/42

All: -364.132+/-80.739 χ^2/NDF: 140.7/88

\- sign -163.598+/-115.329 χ^2/NDF: 45.0/45



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: 1004.892+/-0.242 χ^2/NDF: 1462594.1/22

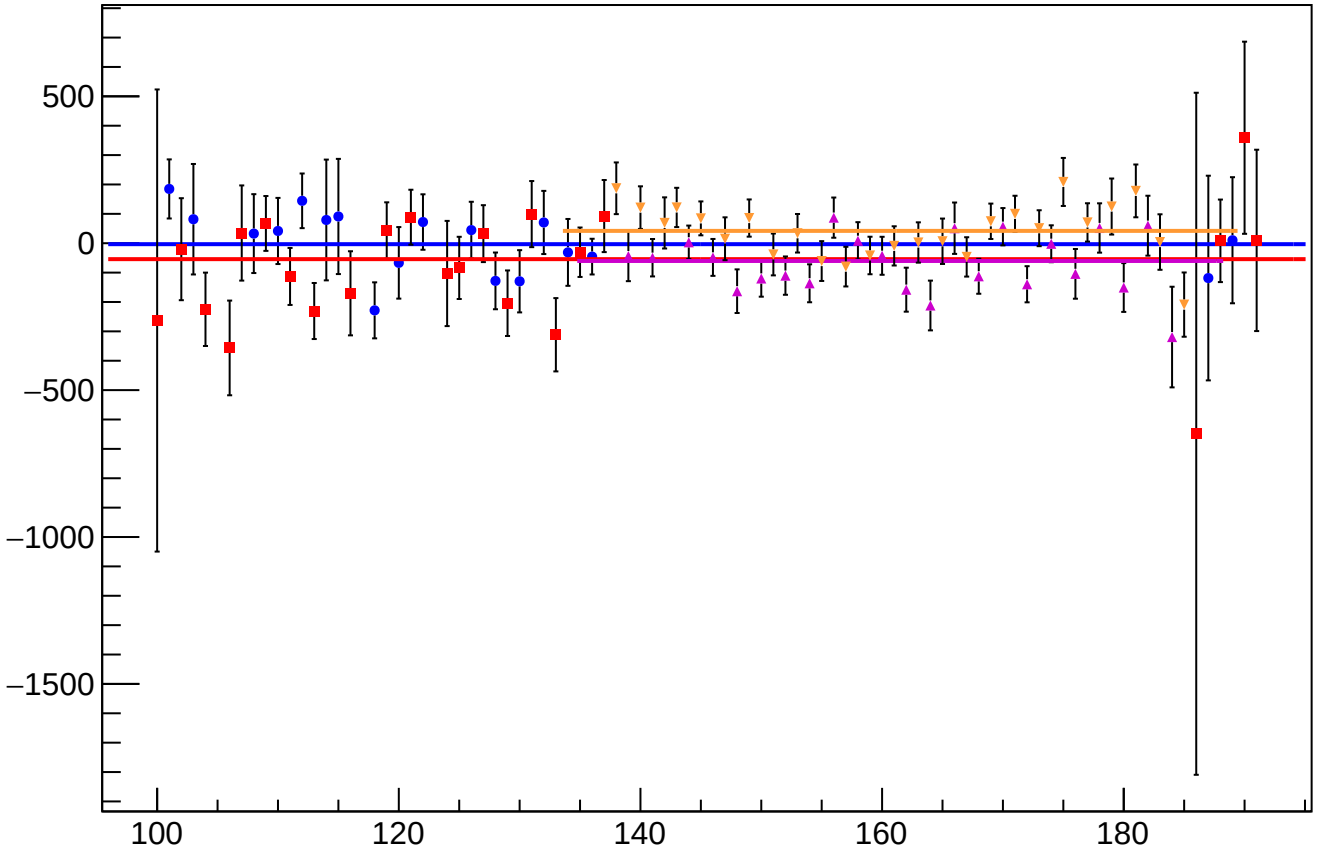
Left In: 514.781+/-0.087 χ^2/NDF:1120436.1/22

+ sign 562.297+/-0.080 χ^2/NDF: 4754870.1/42

All: 566.284+/-0.057 χ^2/NDF: 10978533.5/88

- sign 570.431+/-0.082 χ^2/NDF: 6218590.9/45

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: -54.178+/-25.752 χ^2/NDF: 27.8/22

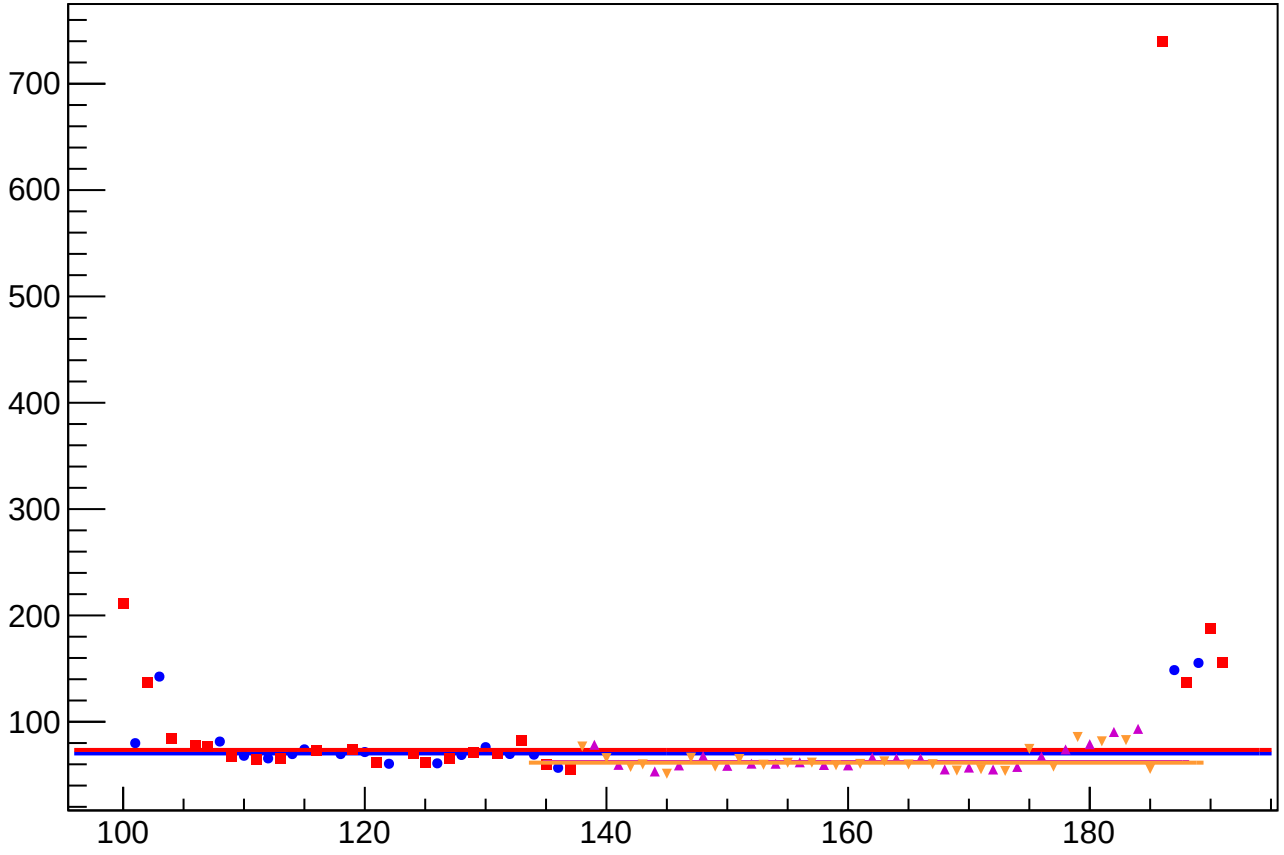
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 31.611+/-12.444 χ^2/NDF: 52.2/42

All: -12.430+/-8.914 χ^2/NDF: 137.9/88

- sign -58.851+/-12.776 χ^2/NDF: 60.0/45

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

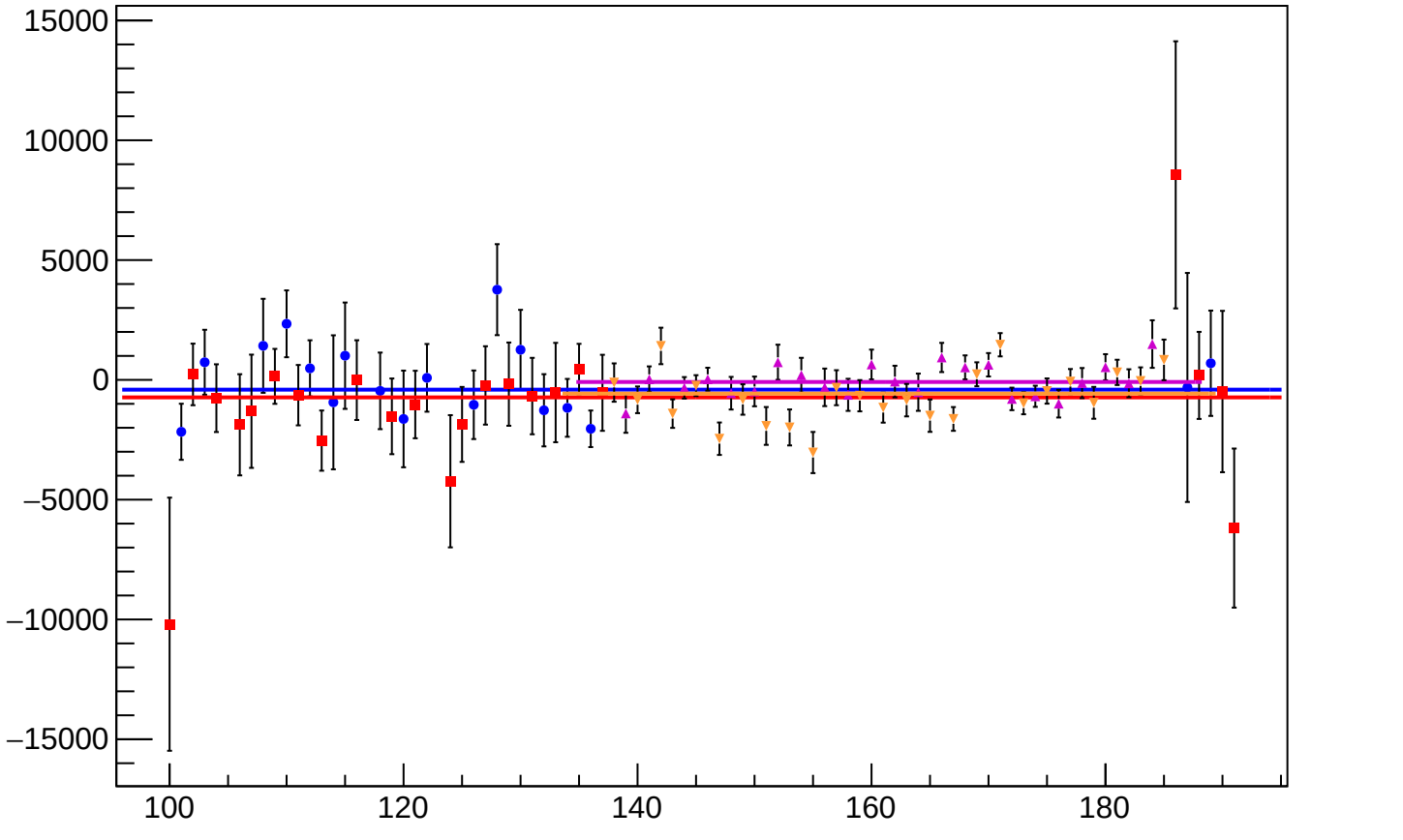
Right Out: 73.521+/-0.018 χ^2/NDF: 2013564.3/22

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 63.538+/-0.009 χ^2/NDF: 1705953.5/42

All: 64.223+/-0.006 χ^2/NDF: 4622985.7/88

- sign 64.944+/-0.009 χ^2/NDF: 2904590.9/45



Right In: -409.149+/-343.675 χ^2/NDF: 20.8/17

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

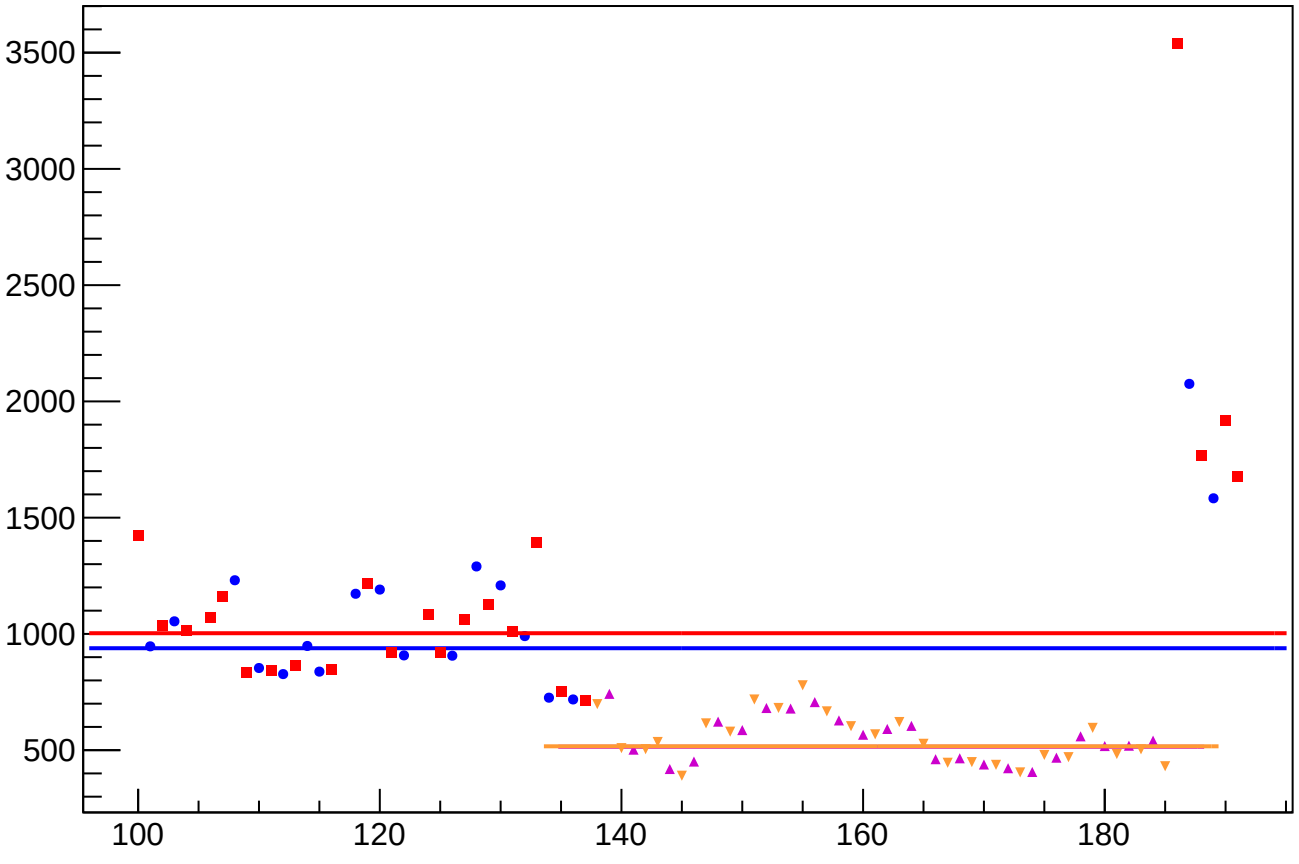
Right Out: -731.468+/-342.654 χ^2/NDF: 16.6/22

Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

\+ sign -556.879+/-113.070 χ^2/NDF: 89.8/42

All: -362.982+/-80.745 χ^2/NDF: 140.1/88

\- sign -161.209+/-115.344 χ^2/NDF: 44.3/45



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: 1003.010+/-0.242 χ^2/NDF: 1456586.1/22

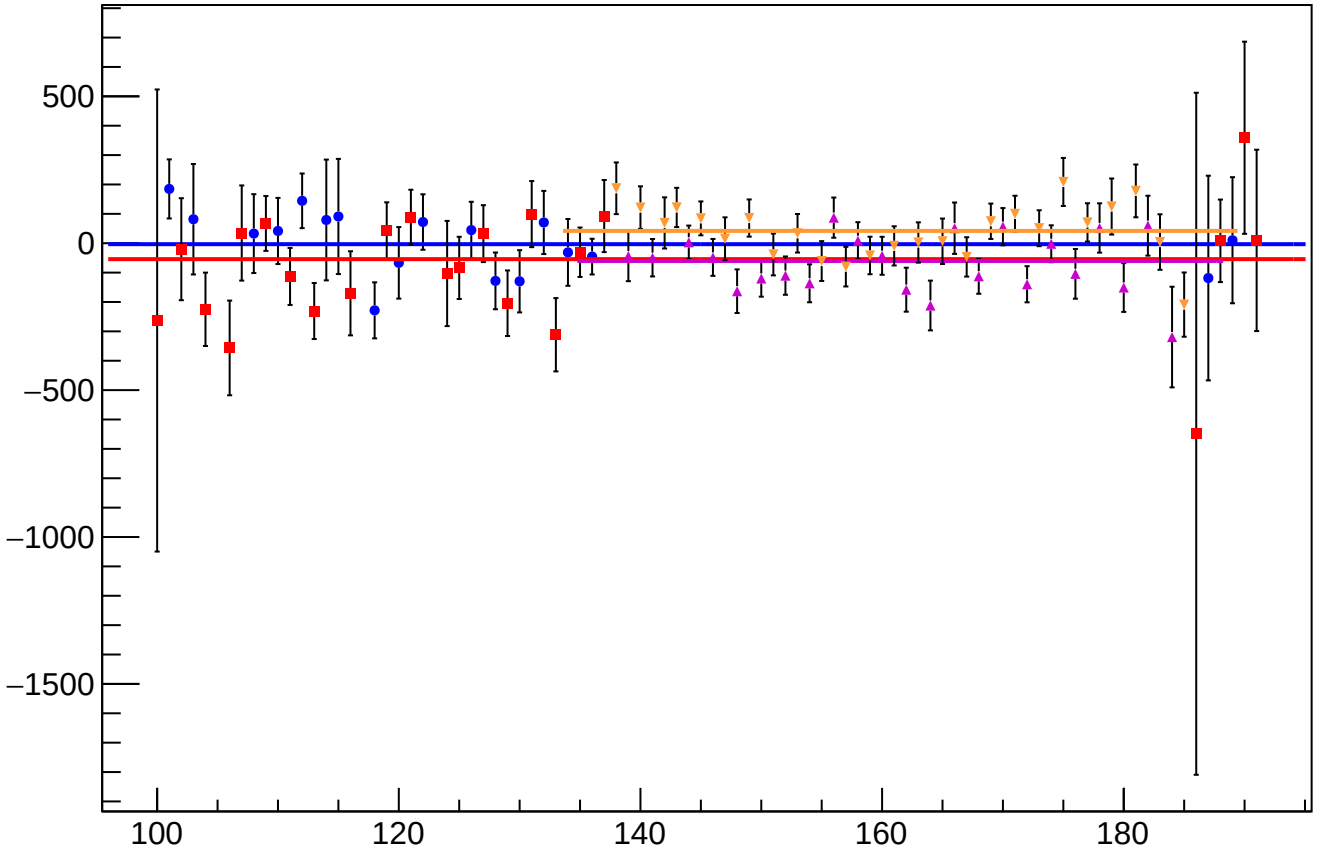
Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

+ sign 562.297+/-0.080 χ^2/NDF: 4754920.0/42

All: 566.123+/-0.057 χ^2/NDF: 10936896.0/88

- sign 570.104+/-0.082 χ^2/NDF: 6177304.0/45

eigen_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: -54.178+/-25.752 χ^2/NDF: 27.8/22

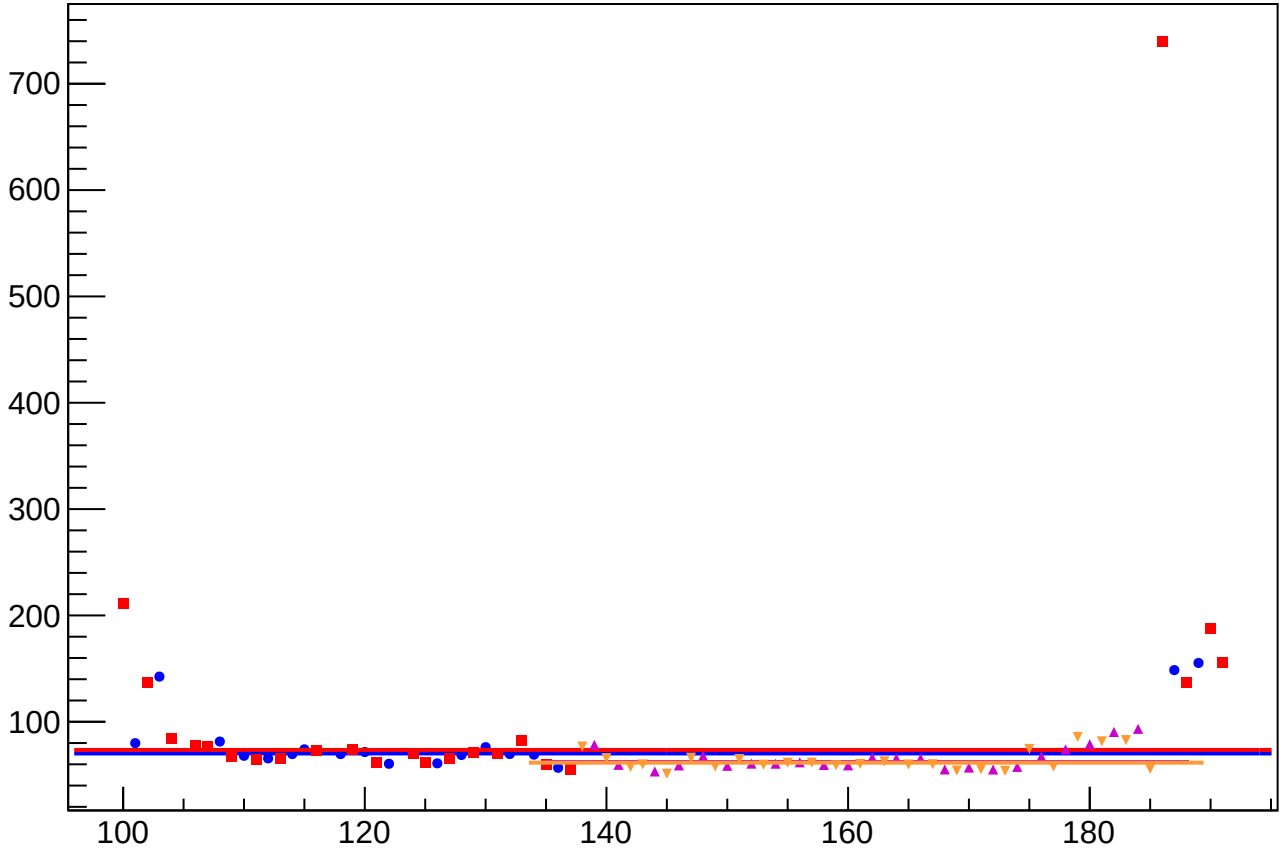
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 31.611+/-12.444 χ^2/NDF: 52.2/42

All: -12.430+/-8.914 χ^2/NDF: 137.9/88

- sign -58.851+/-12.776 χ^2/NDF: 60.0/45

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

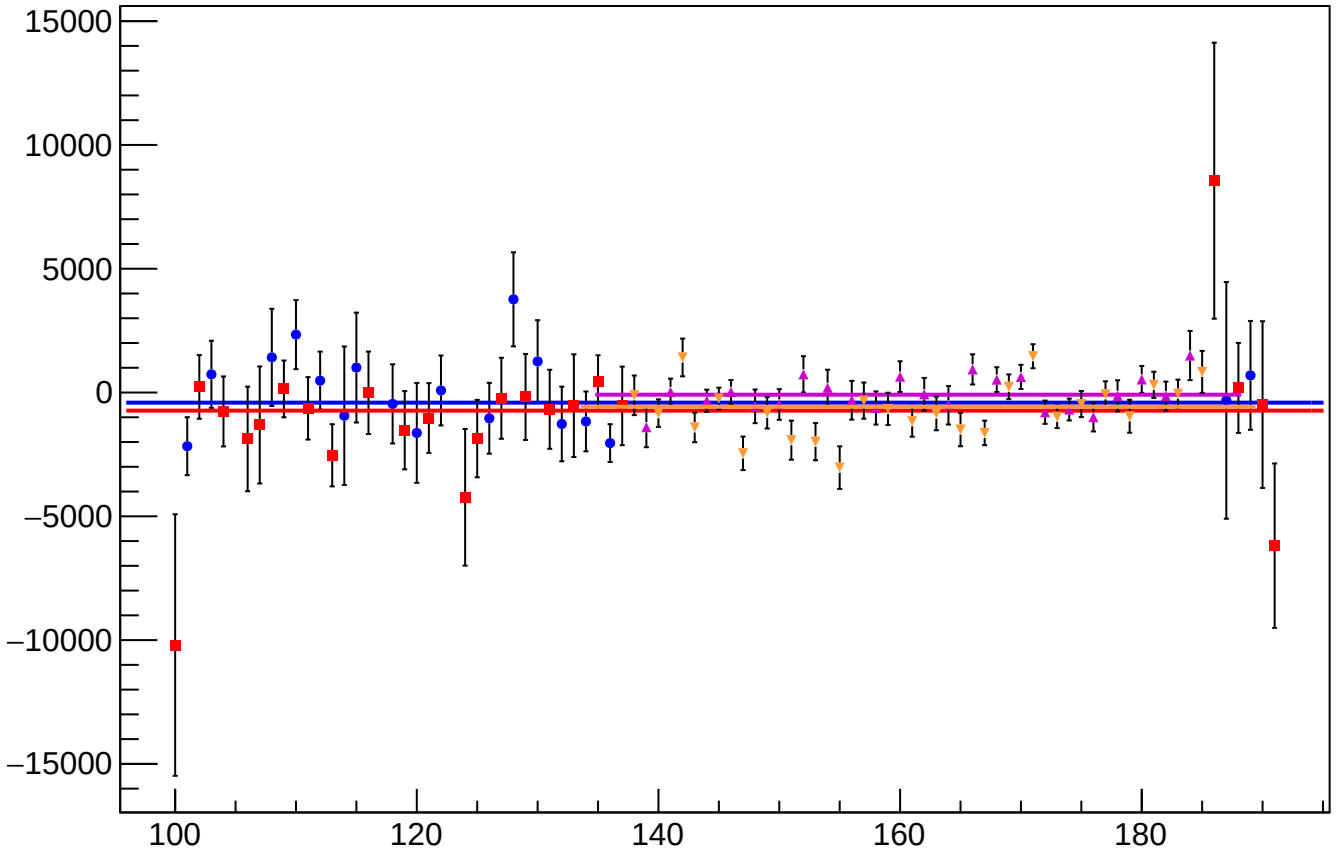
Right Out: 73.521+/-0.018 χ^2/NDF: 2013564.3/22

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 63.538+/-0.009 χ^2/NDF: 1705953.5/42

All: 64.223+/-0.006 χ^2/NDF: 4622985.7/88

- sign 64.944+/-0.009 χ^2/NDF: 2904590.9/45



Right In: -409.149+/-343.675 χ^2/NDF: 20.8/17

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

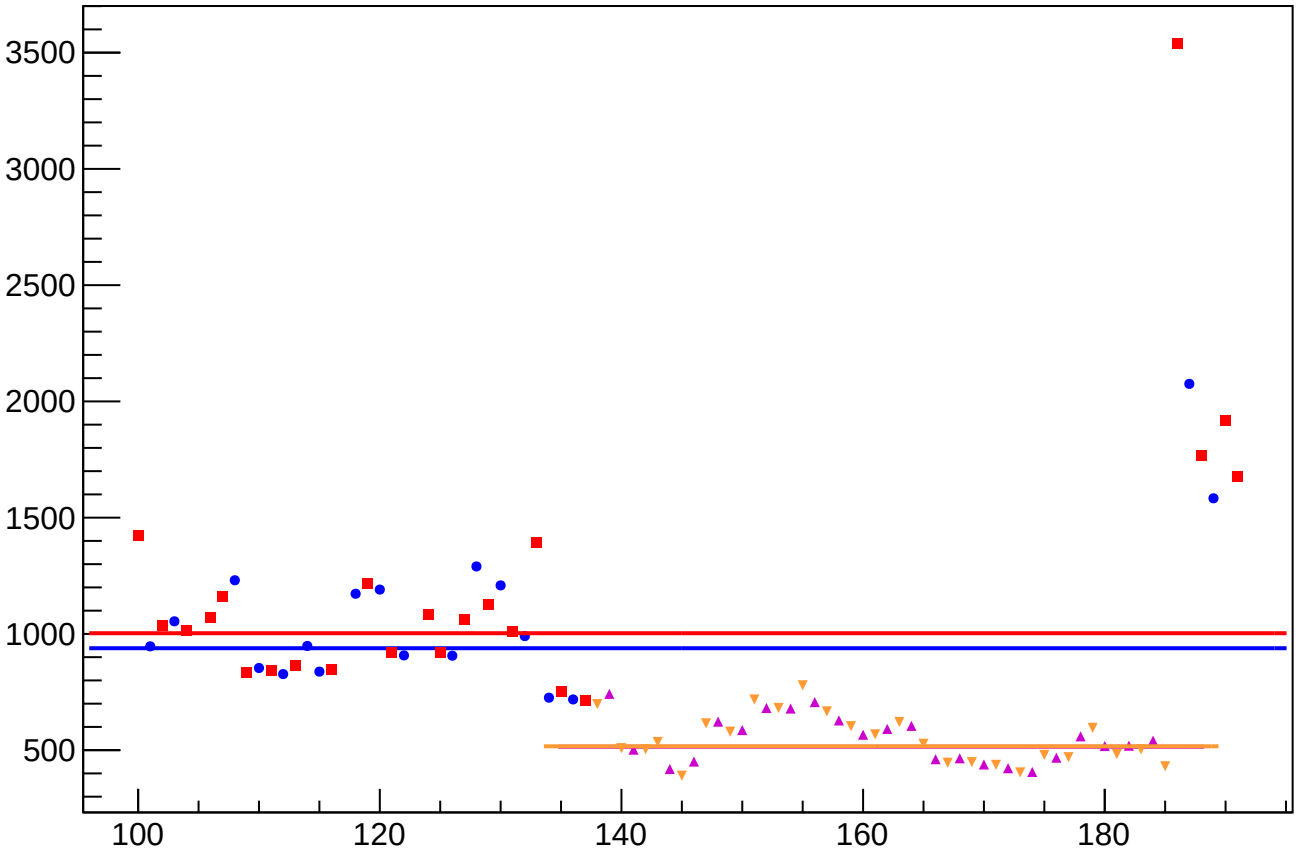
Right Out: -731.468+/-342.654 χ^2/NDF: 16.6/22

Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

\+ sign -556.879+/-113.070 χ^2/NDF: 89.8/42

All: -362.982+/-80.745 χ^2/NDF: 140.1/88

\- sign -161.209+/-115.344 χ^2/NDF: 44.3/45



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: 1003.010+/-0.242 χ^2/NDF: 1456586.1/22

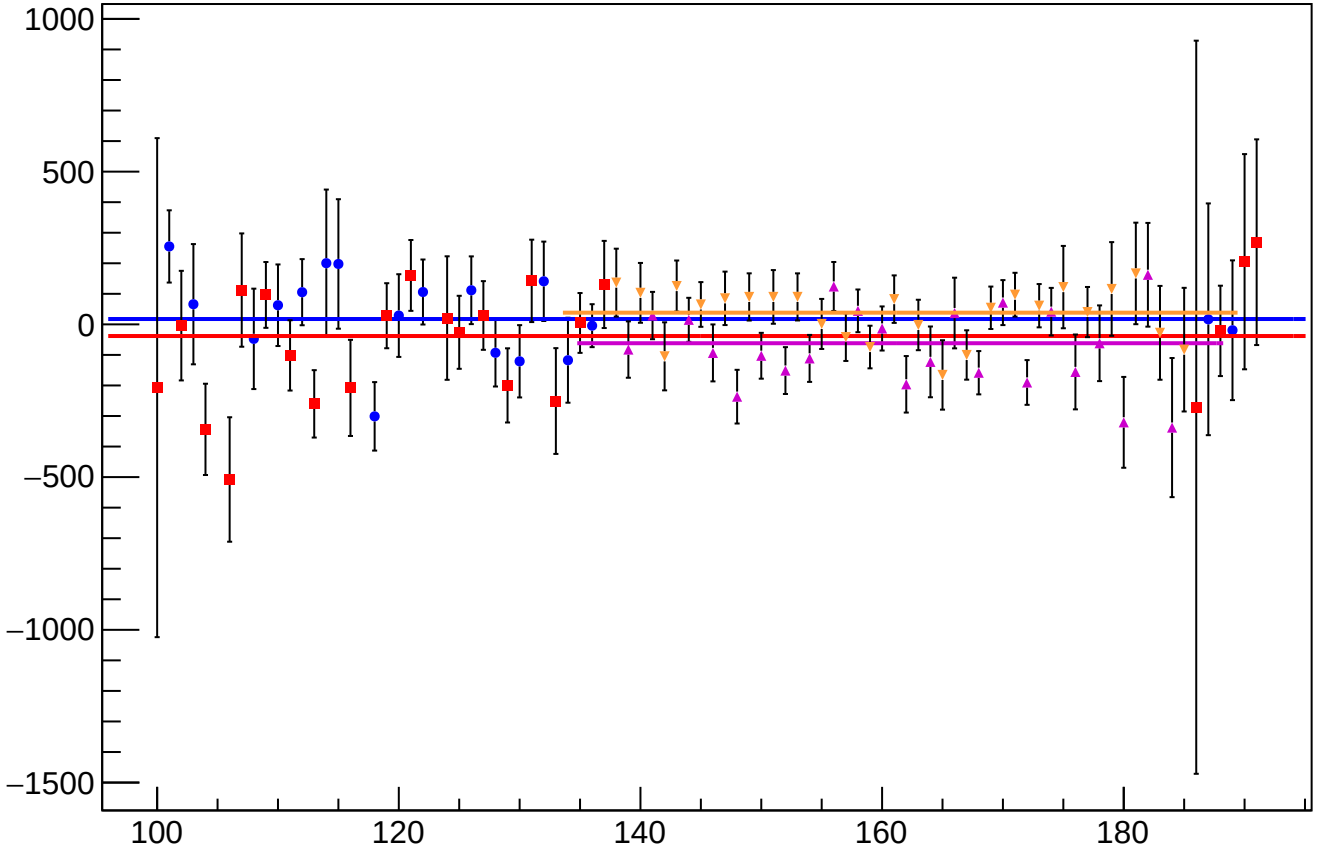
Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

+ sign 562.297+/-0.080 χ^2/NDF: 4754920.0/42

All: 566.123+/-0.057 χ^2/NDF: 10936896.0/88

- sign 570.104+/-0.082 χ^2/NDF: 6177304.0/45

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: -38.169+/-29.830 χ^2/NDF: 29.1/22

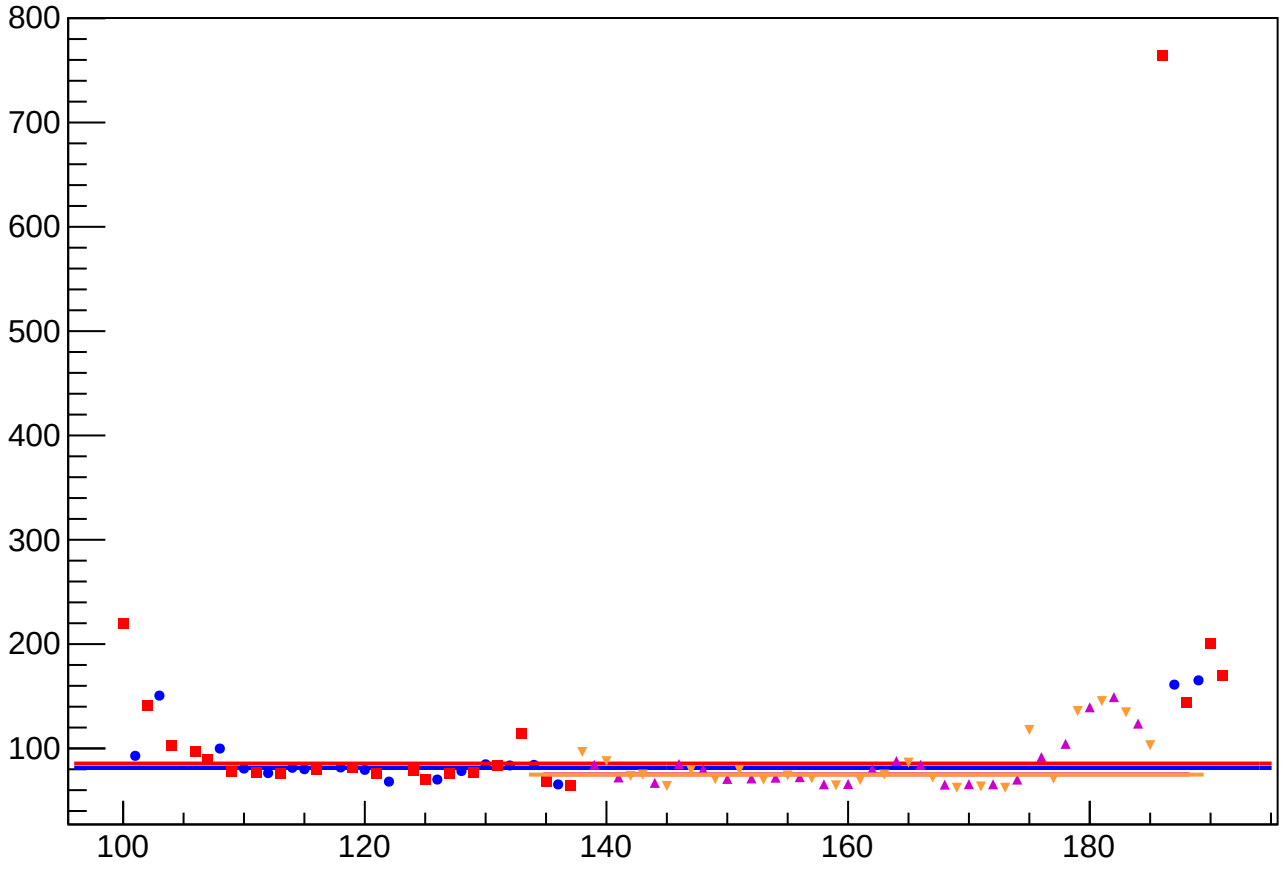
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 32.932+/-15.223 χ^2/NDF: 39.3/42

All: -10.320+/-10.872 χ^2/NDF: 122.1/88

- sign -55.338+/-15.531 χ^2/NDF: 66.3/45

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

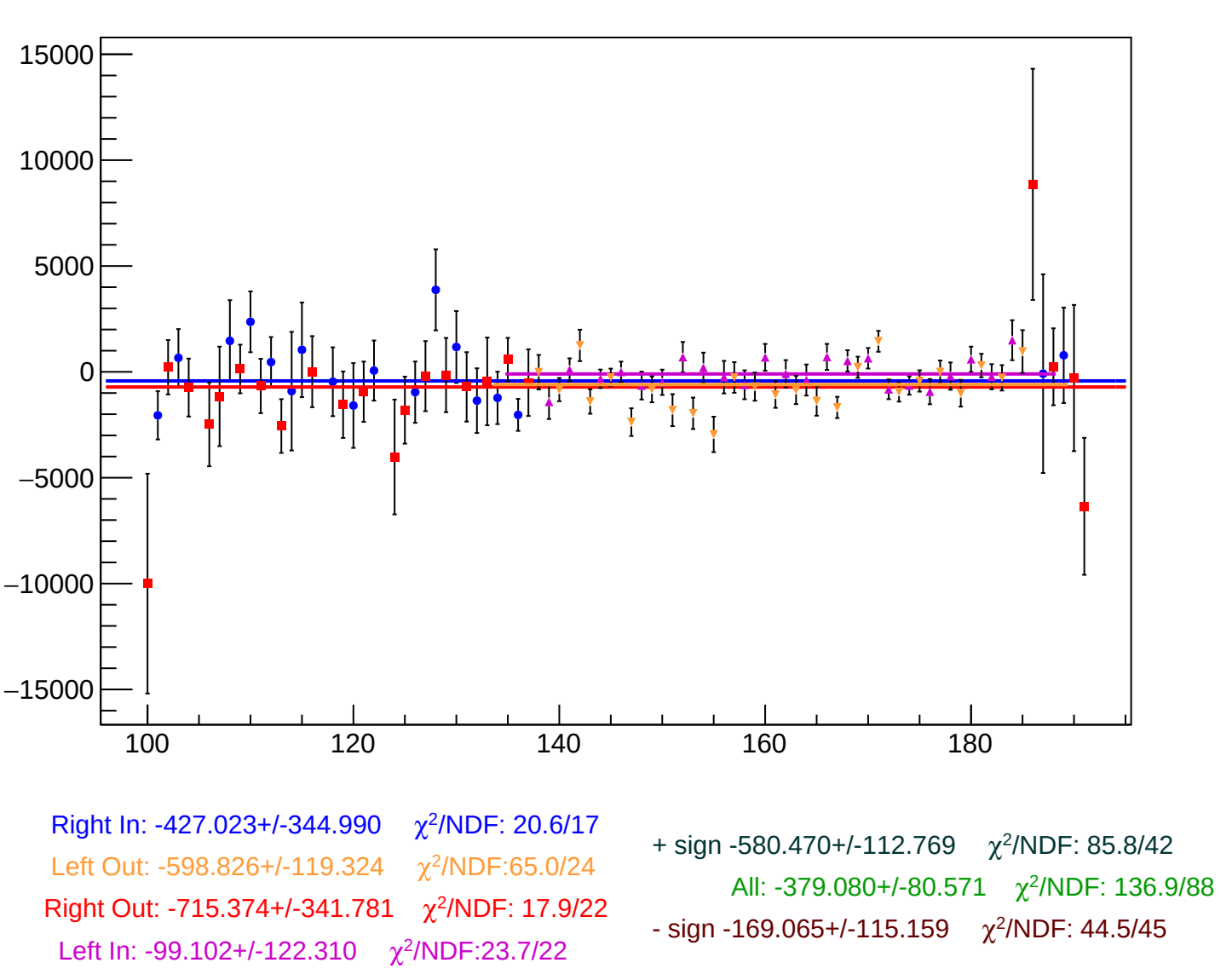
Right Out: 85.503+/-0.021 χ^2/NDF: 1850261.3/22

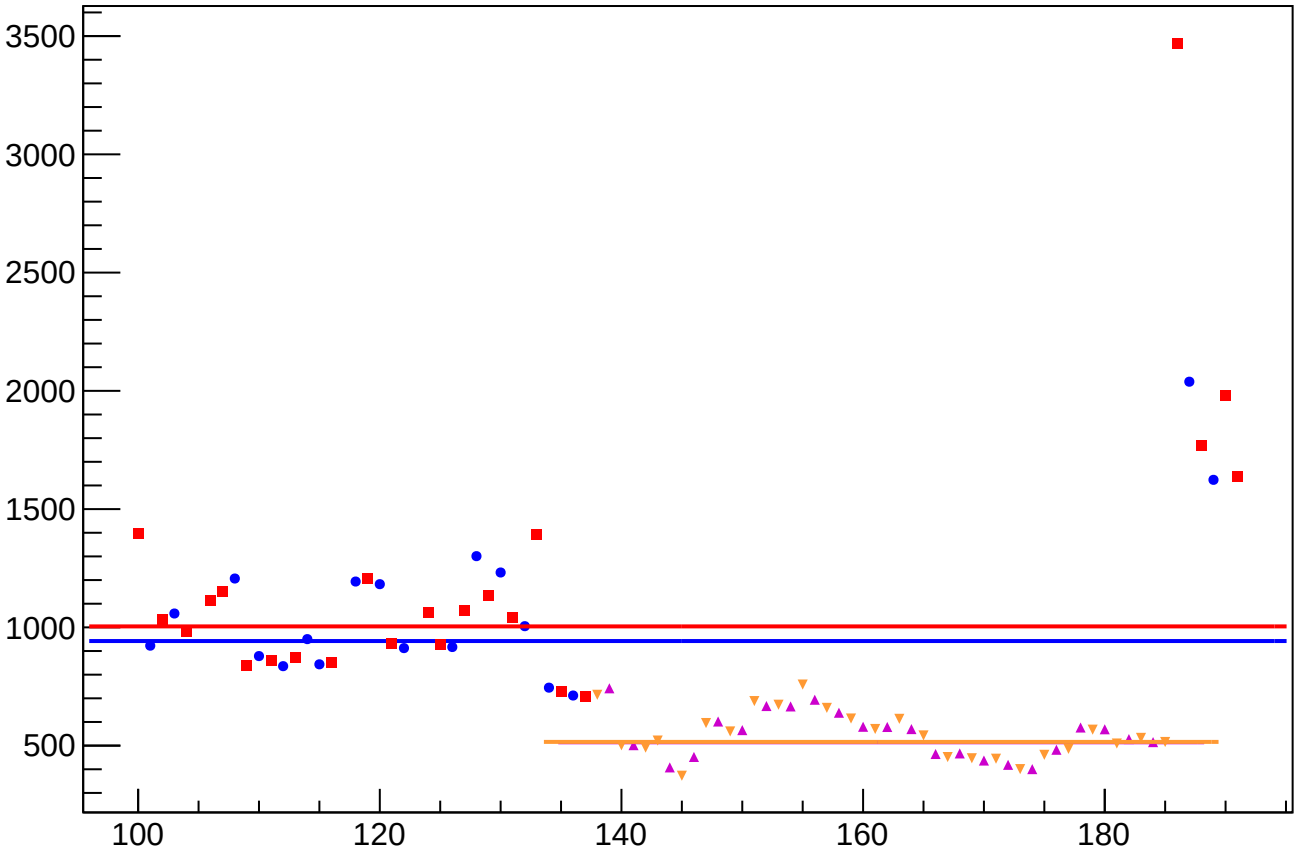
Left In: 75.156+/-0.013 χ^2/NDF:1312543.0/22

+ sign 76.539+/-0.011 χ^2/NDF: 2539933.0/42

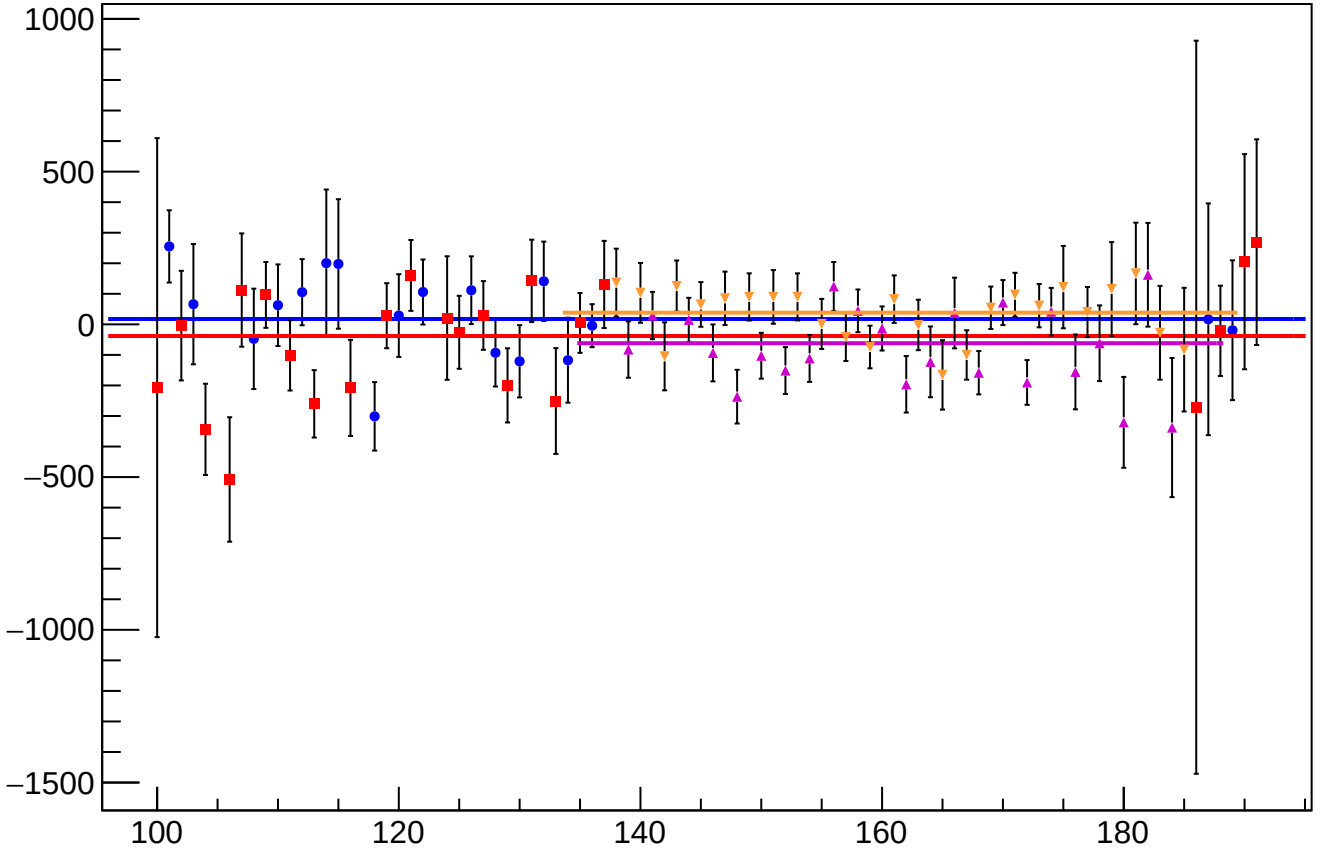
All: 77.236+/-0.008 χ^2/NDF: 5886685.2/88

- sign 77.961+/-0.011 χ^2/NDF: 3338207.1/45


asym_sam_12345678_avg_dit_correction_mean vs Slug
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
Right In: -427.023+/-344.990 χ²/NDF: 20.6/17
Left Out: -598.826+/-119.324 χ²/NDF:65.0/24
Right Out: -715.374+/-341.781 χ²/NDF: 17.9/22
Left In: -99.102+/-122.310 χ²/NDF:23.7/22
+ sign -580.470+/-112.769 χ²/NDF: 85.8/42
All: -379.080+/-80.571 χ²/NDF: 136.9/88
- sign -169.065+/-115.159 χ²/NDF: 44.5/45


asym_sam_12345678_avg_dit_correction_rms vs Slug
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
Right In: 942.189+/-0.244 χ²/NDF: 815912.7/17
Left Out: 515.762+/-0.084 χ²/NDF:1232478.6/24
Right Out: 1004.091+/-0.242 χ²/NDF: 1476798.3/22
Left In: 514.088+/-0.086 χ²/NDF:1116884.3/22
+ sign 561.325+/-0.080 χ²/NDF: 4777578.7/42
All: 565.432+/-0.057 χ²/NDF: 11020851.9/88
- sign 569.716+/-0.081 χ²/NDF: 6237851.9/45

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: -38.168+/-29.830 χ^2/NDF: 29.1/22

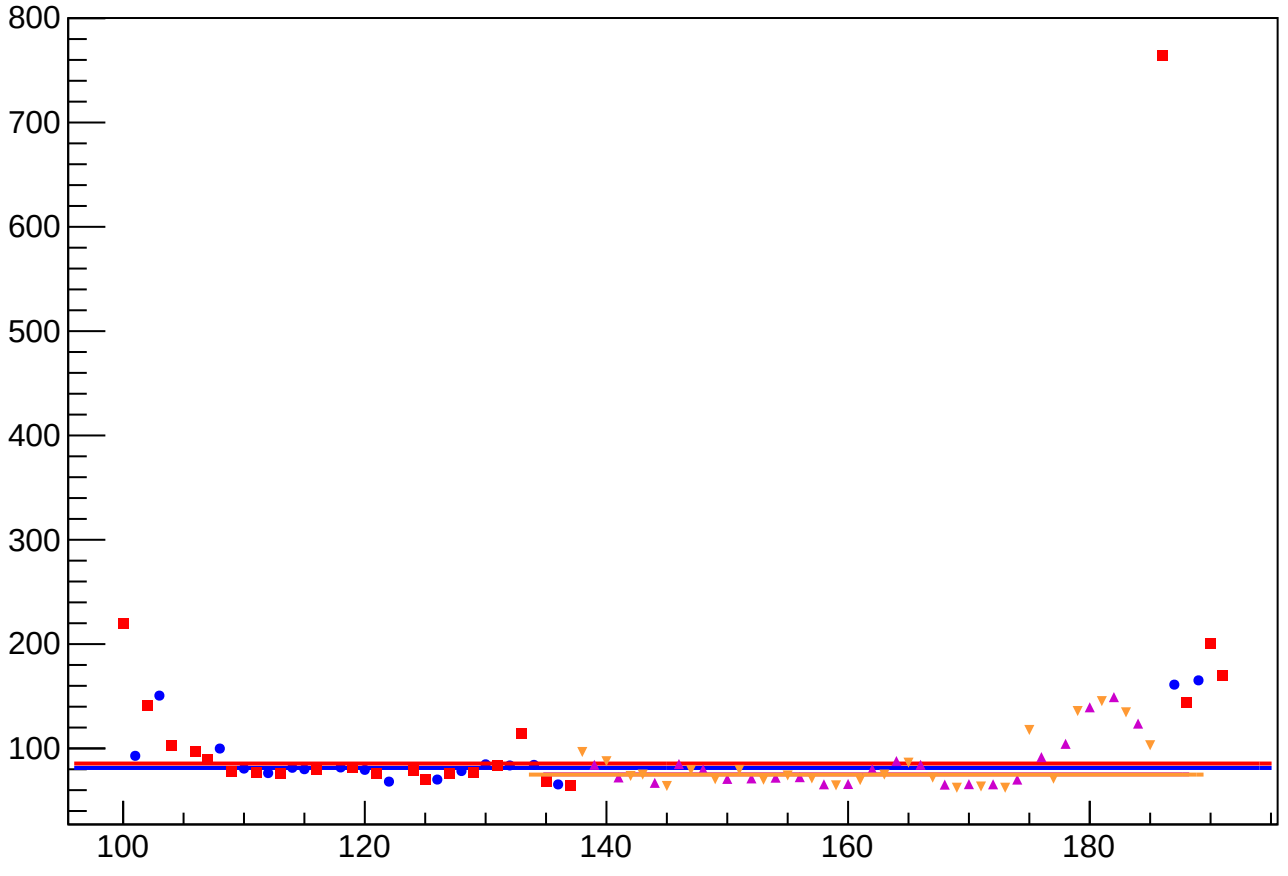
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 32.932+/-15.224 χ^2/NDF: 39.3/42

All: -10.319+/-10.872 χ^2/NDF: 122.1/88

- sign -55.337+/-15.531 χ^2/NDF: 66.3/45

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

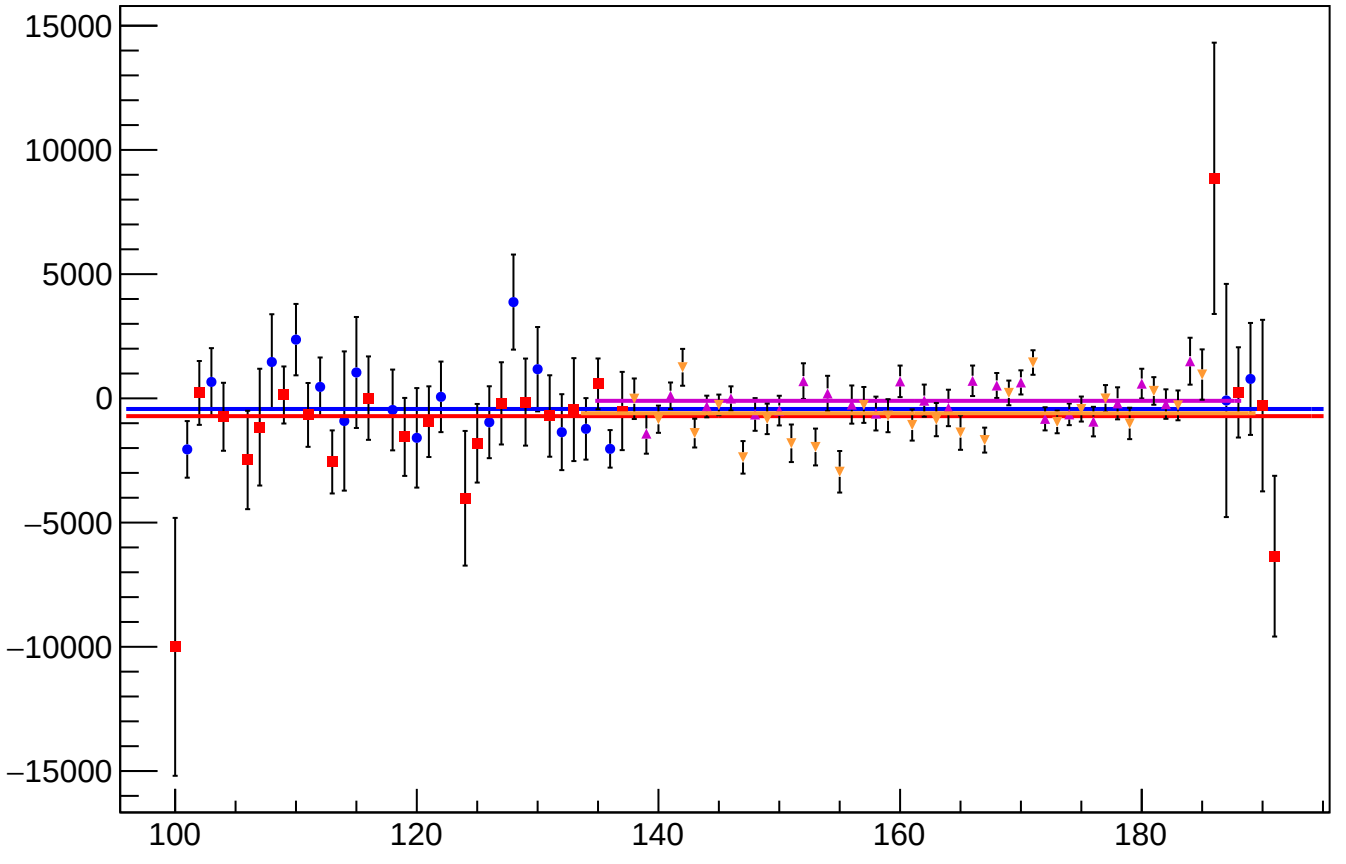
Right Out: 85.503+/-0.021 χ^2/NDF: 1850277.6/22

Left In: 75.156+/-0.013 χ^2/NDF:1312527.7/22

+ sign 76.539+/-0.011 χ^2/NDF: 2539921.7/42

All: 77.236+/-0.008 χ^2/NDF: 5886660.5/88

- sign 77.961+/-0.011 χ^2/NDF: 3338193.3/45



Right In: -427.020+/-344.989 χ^2/NDF: 20.6/17

Left Out: -598.825+/-119.324 χ^2/NDF:65.0/24

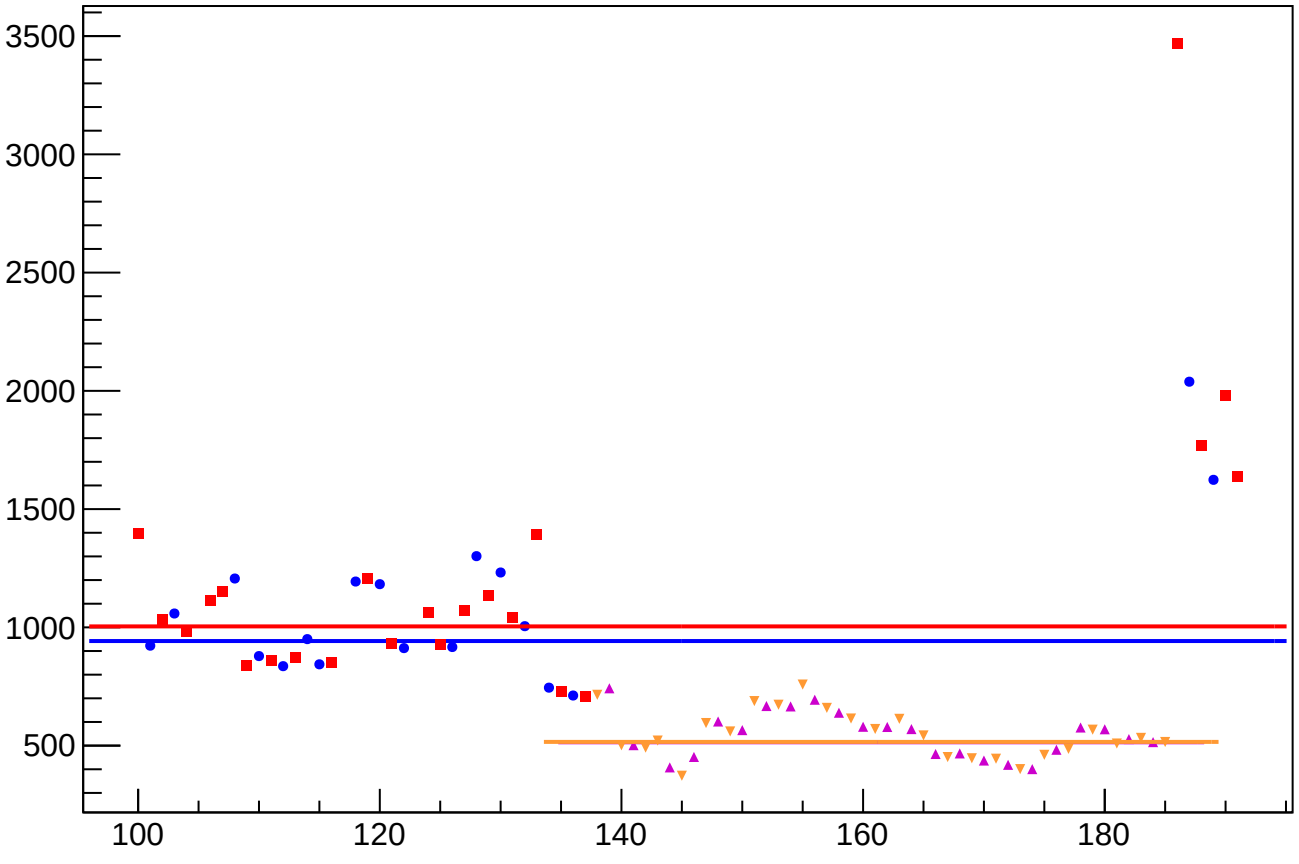
Right Out: -715.373+/-341.780 χ^2/NDF: 17.9/22

Left In: -99.101+/-122.310 χ^2/NDF:23.7/22

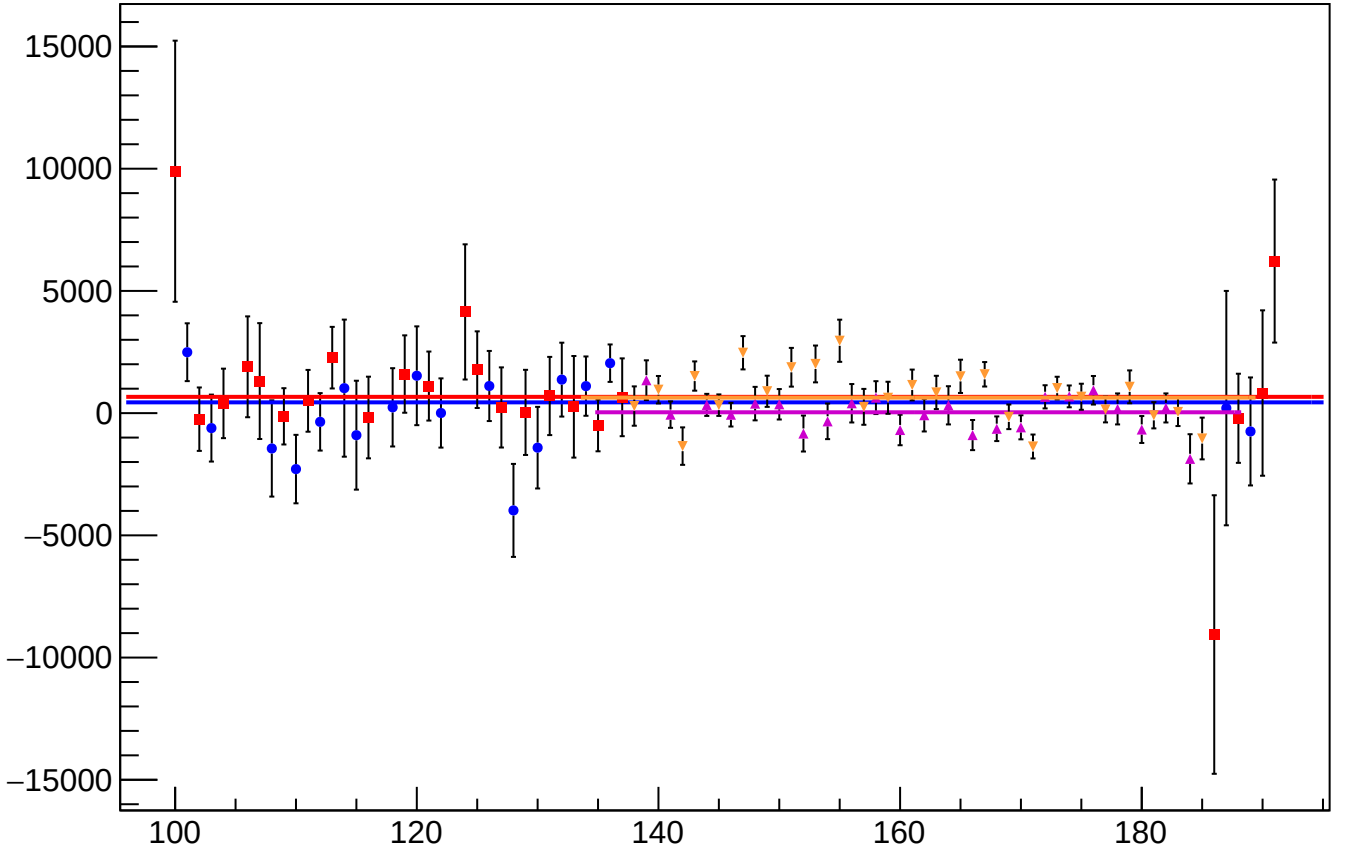
+ sign -580.468+/-112.769 χ^2/NDF: 85.8/42

All: -379.079+/-80.571 χ^2/NDF: 136.9/88

- sign -169.065+/-115.158 χ^2/NDF: 44.5/45


asym_sam_12345678_avg_eigen_dit_correction_rms vs Slug
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
Right In: 942.187+/-0.244 χ²/NDF: 815913.6/17
Left Out: 515.761+/-0.084 χ²/NDF:1232481.1/24
Right Out: 1004.089+/-0.242 χ²/NDF: 1476801.2/22
Left In: 514.087+/-0.086 χ²/NDF:1116882.7/22
+ sign 561.324+/-0.080 χ²/NDF: 4777579.4/42
All: 565.431+/-0.057 χ²/NDF: 11020848.0/88
- sign 569.715+/-0.081 χ²/NDF: 6237847.2/45

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: 666.217+/-343.691 χ^2/NDF: 16.2/22

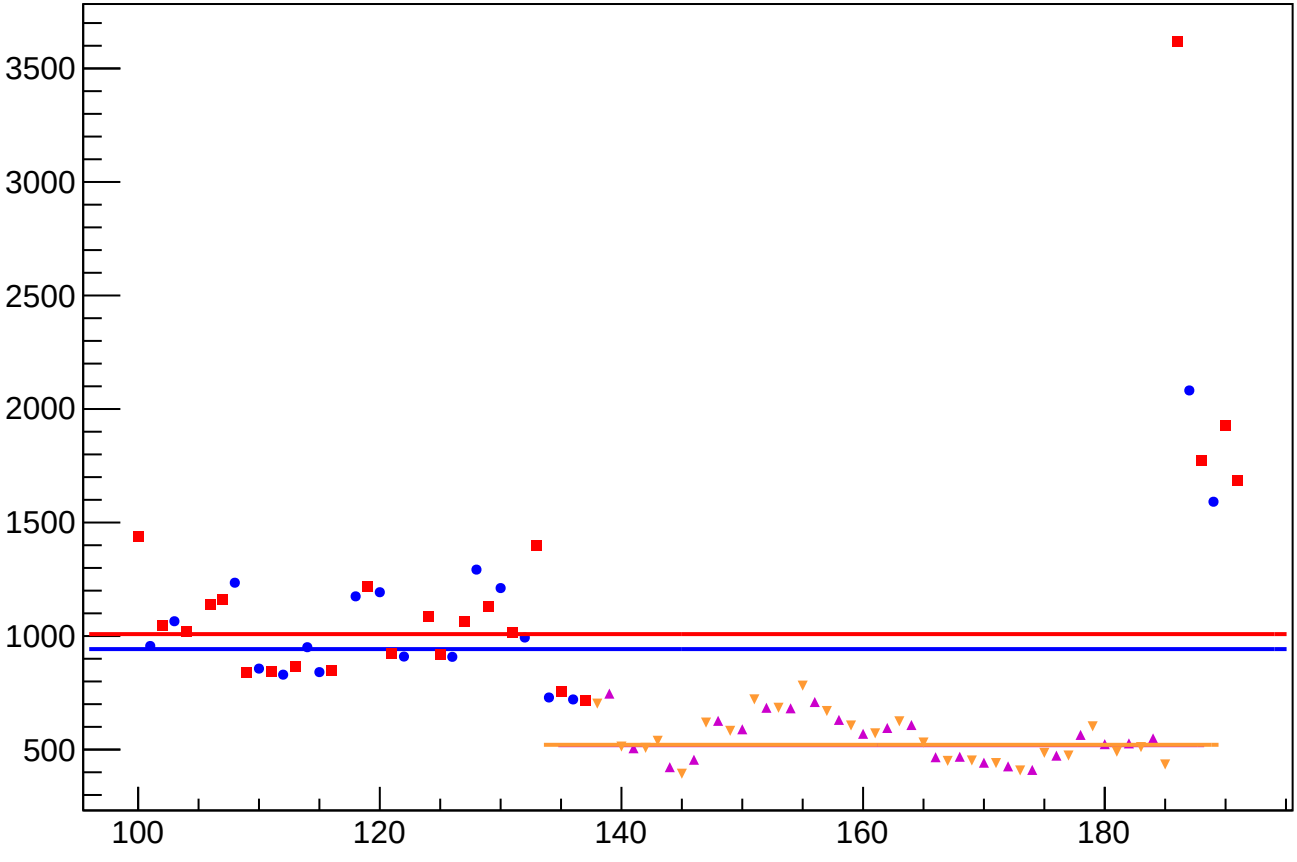
Left In: 34.808+/-123.517 χ^2/NDF:25.1/22

+ sign 613.643+/-113.949 χ^2/NDF: 86.6/42

All: 365.377+/-81.371 χ^2/NDF: 140.6/88

- sign 107.031+/-116.239 χ^2/NDF: 44.3/45

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

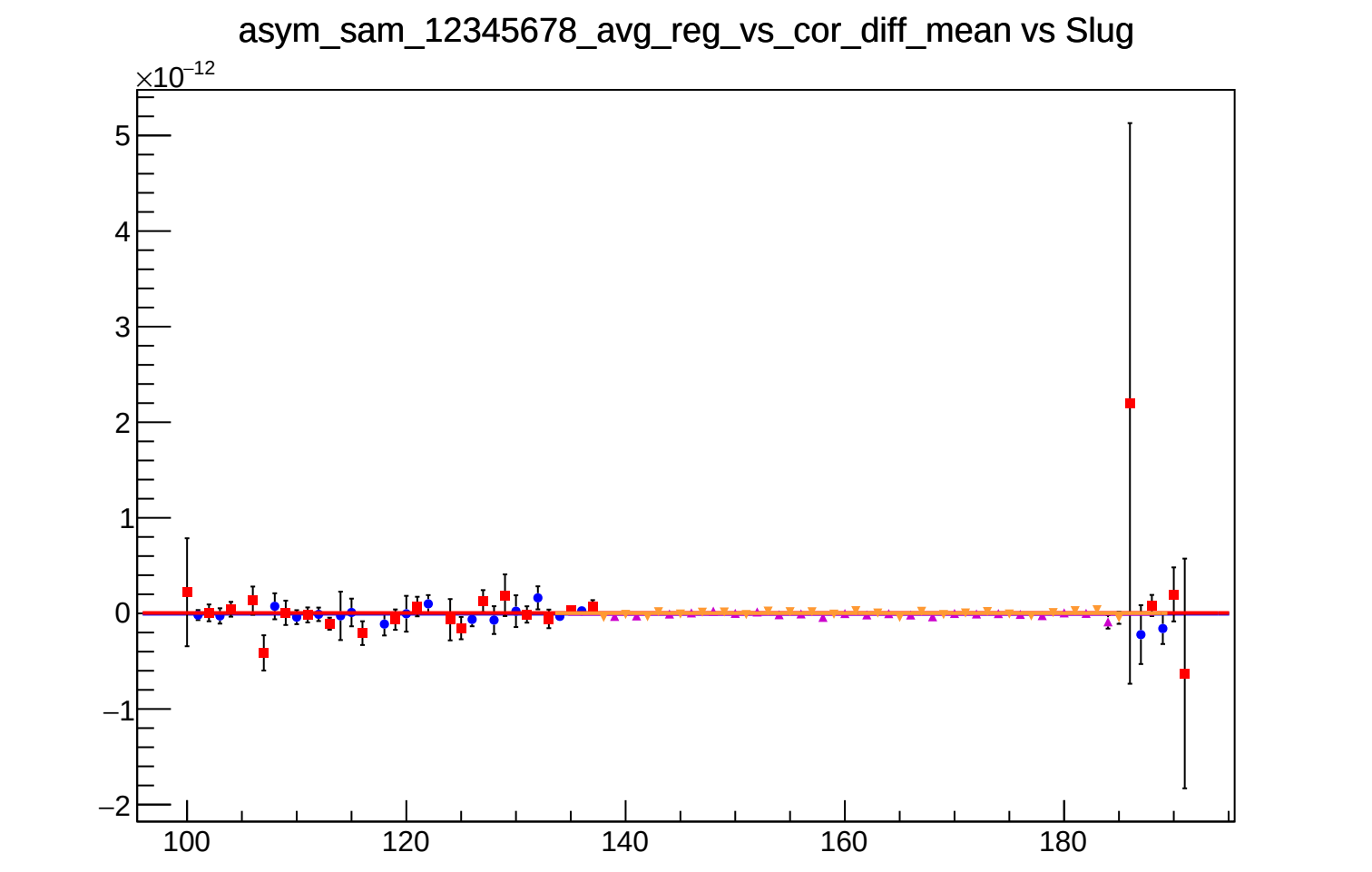
Right Out: 1008.552+/-0.243 χ^2/NDF: 1470477.9/22

Left In: 519.239+/-0.087 χ^2/NDF:1100553.3/22

+ sign 566.967+/-0.081 χ^2/NDF: 4703155.7/42

All: 571.006+/-0.058 χ^2/NDF: 10869461.9/88

- sign 575.209+/-0.082 χ^2/NDF: 6161178.1/45



Right In: -0.000+/-0.000 χ^2/NDF: 8.5/17

Left Out: 0.000+/-0.000 χ^2/NDF:22.4/24

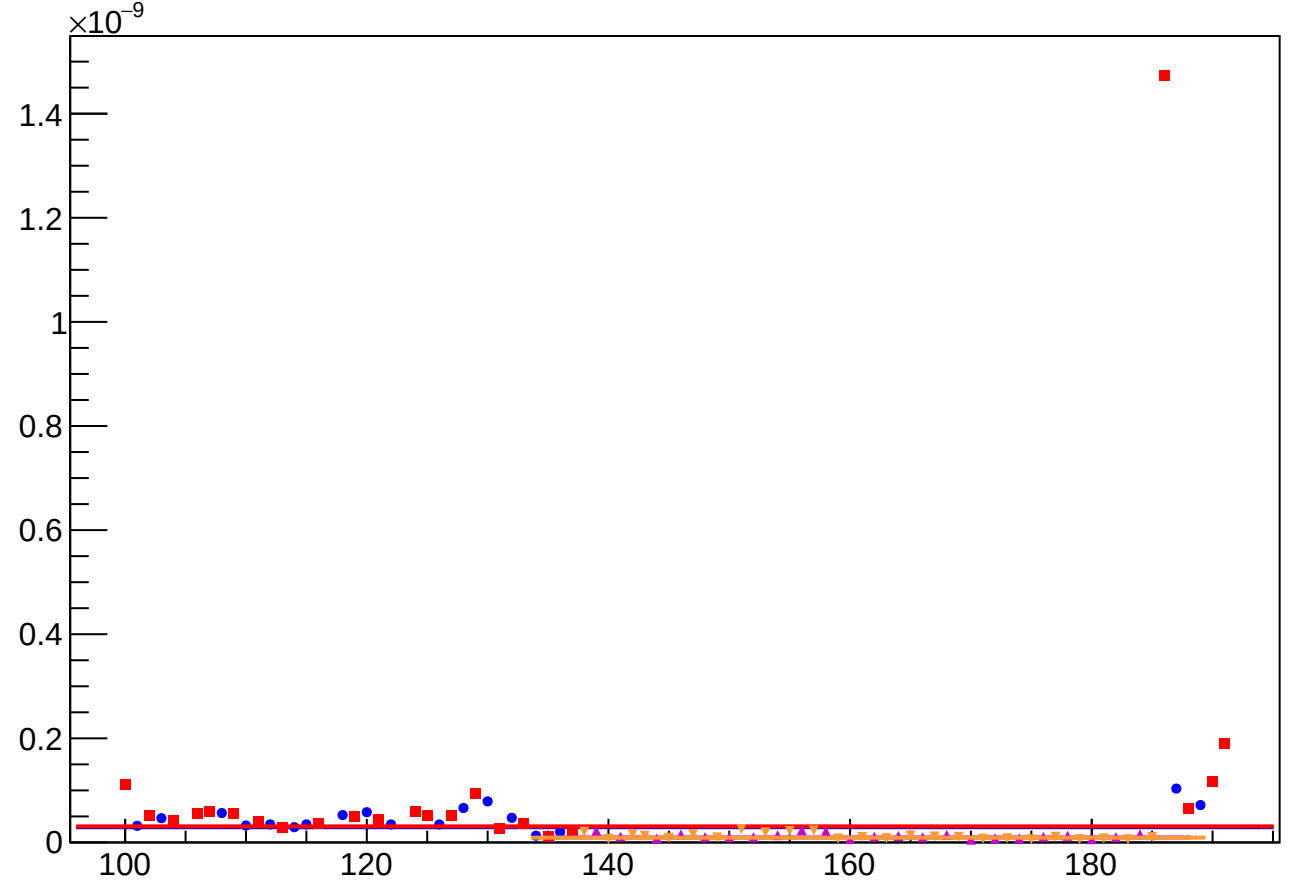
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/22

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: 64.8/88

- sign -0.000+/-0.000 χ^2/NDF: 32.3/45



Right In: 0.000+/-0.000 χ^2/NDF: 1409847.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:2137290.7/24

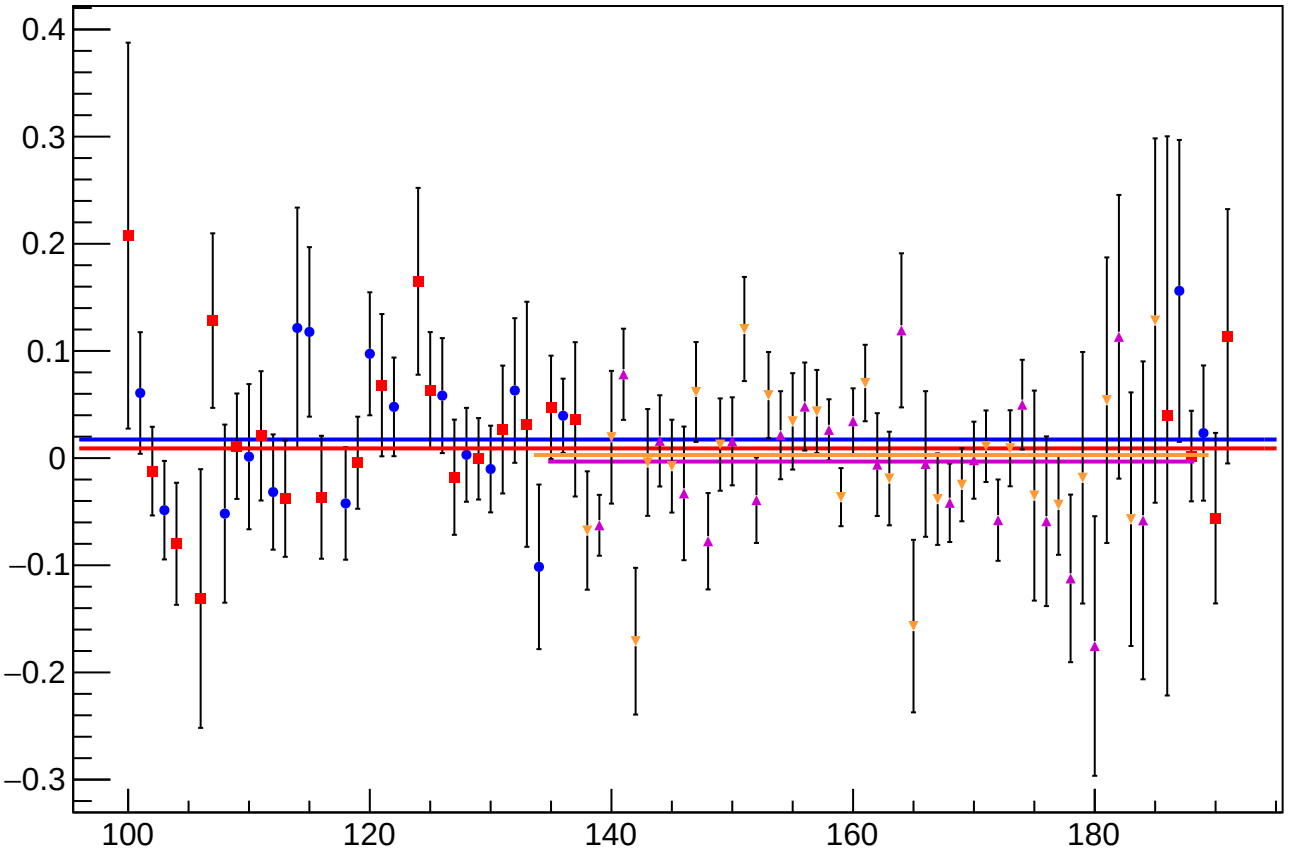
Right Out: 0.000+/-0.000 χ^2/NDF: 2567544.6/22

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: 12643478.1/88

- sign 0.000+/-0.000 χ^2/NDF: 6606092.5/45



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: 0.009+/-0.012 χ^2/NDF: 16.6/22

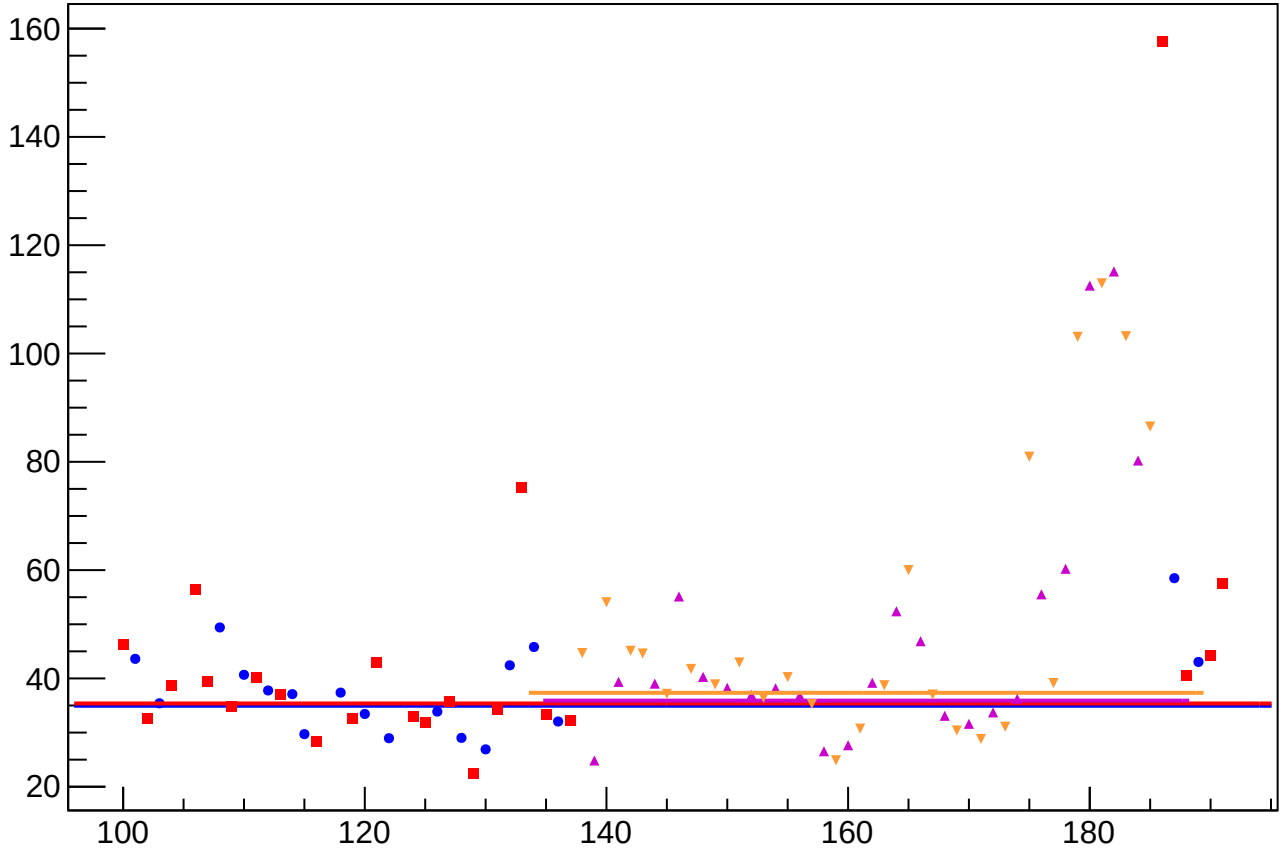
Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.008+/-0.008 χ^2/NDF: 49.4/42

All: 0.004+/-0.005 χ^2/NDF: 96.9/88

- sign 0.001+/-0.007 χ^2/NDF: 47.1/45

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

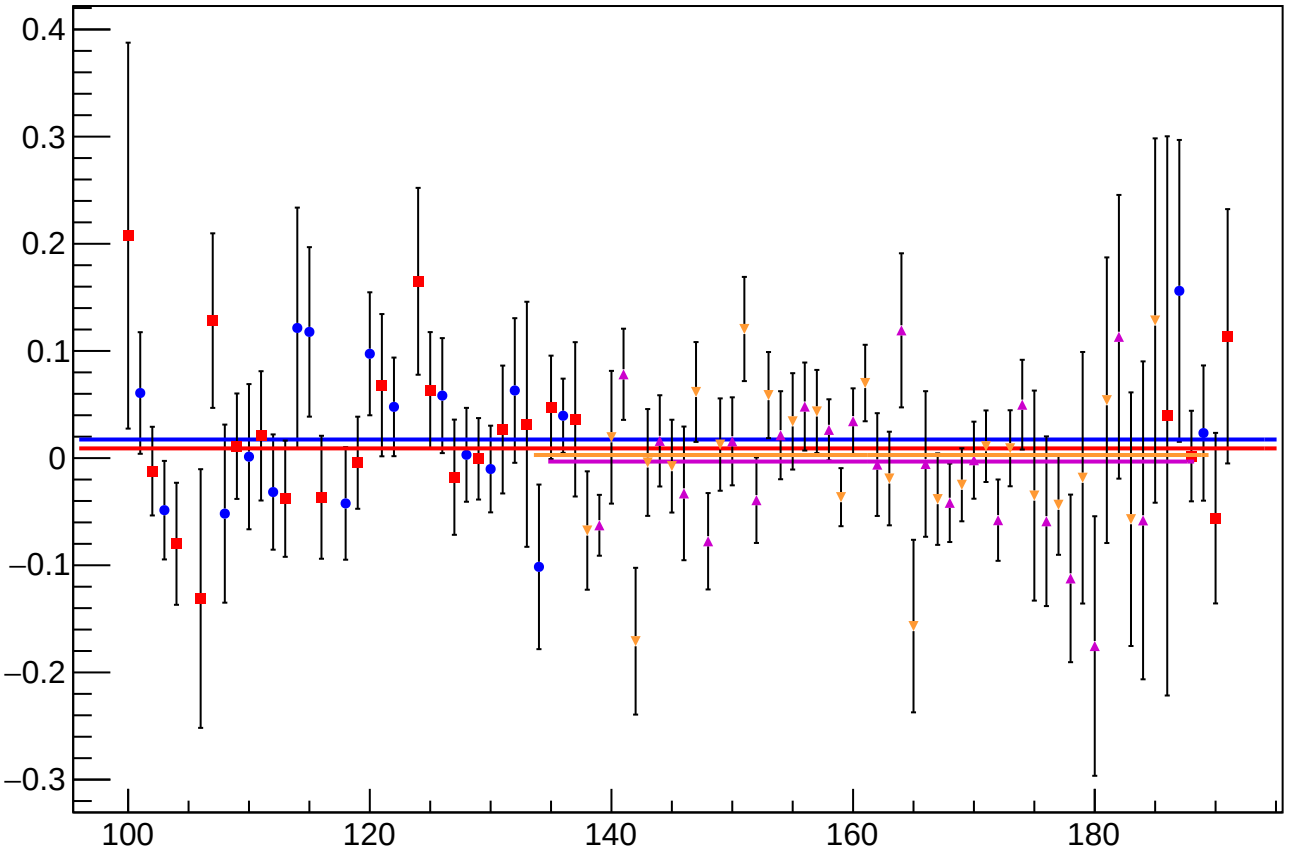
Right Out: 35.374+/-0.009 χ^2/NDF: 1224919.3/22

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

+ sign 36.545+/-0.005 χ^2/NDF: 4201458.4/42

All: 36.117+/-0.004 χ^2/NDF: 8579483.7/88

- sign 35.711+/-0.005 χ^2/NDF: 4365511.6/45



Right In: 0.017+/-0.013 χ^2/NDF: 15.8/17

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

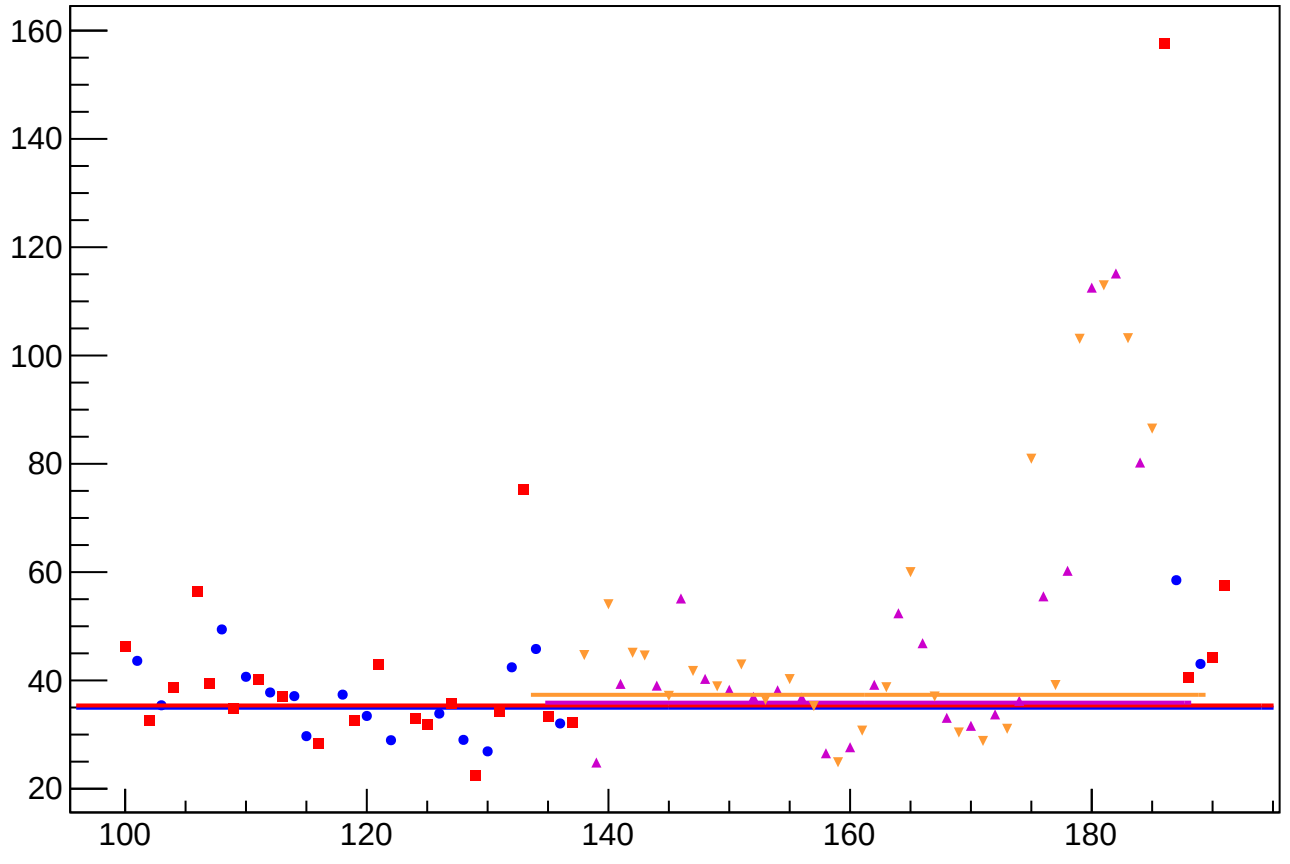
Right Out: 0.009+/-0.012 χ^2/NDF: 16.6/22

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: 96.9/88

- sign 0.001+/-0.007 χ^2/NDF: 47.1/45



Right In: 34.959+/-0.009 χ^2/NDF: 460379.9/17

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

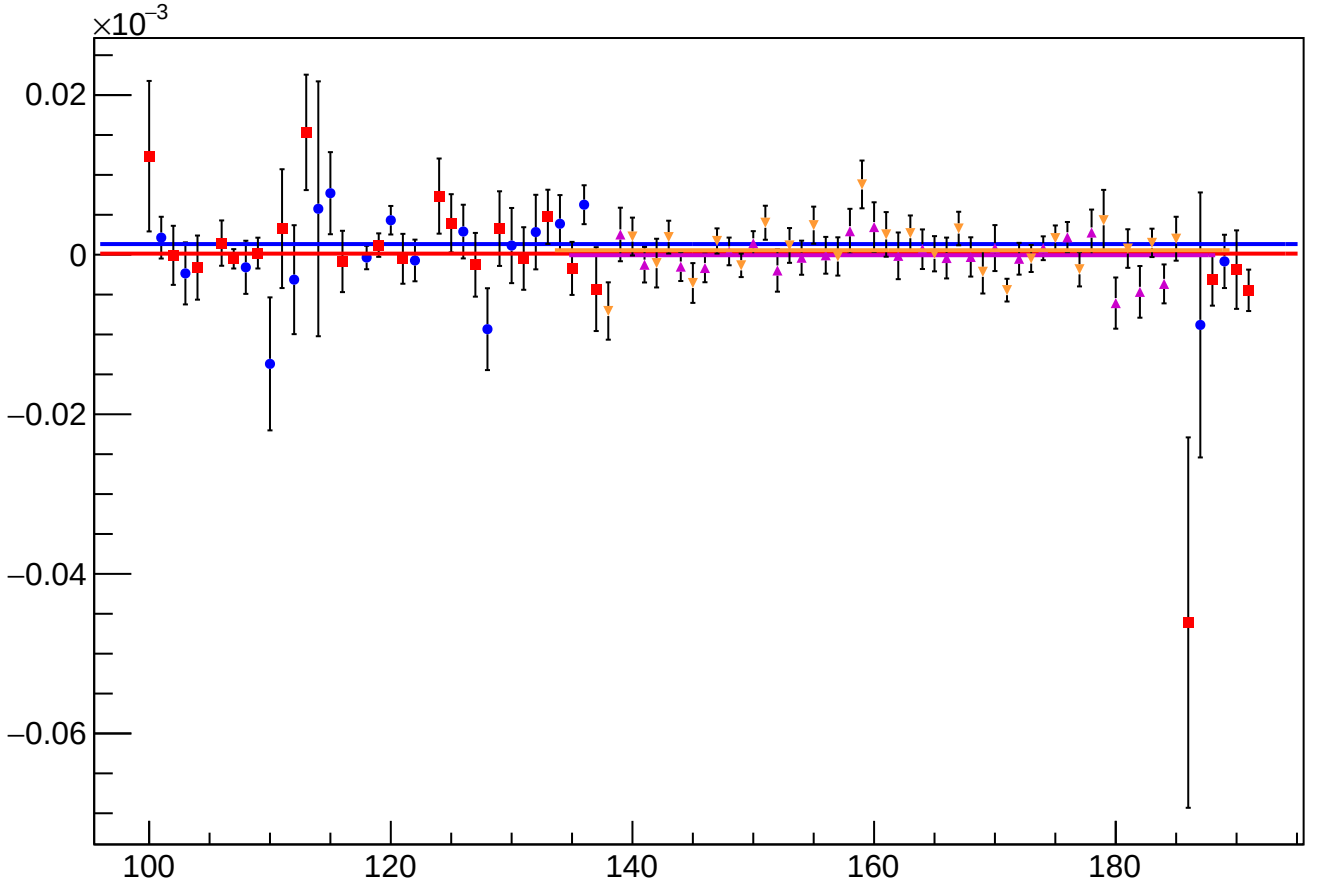
Right Out: 35.374+/-0.009 χ^2/NDF: 1224919.3/22

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

+ sign 36.545+/-0.005 χ^2/NDF: 4201458.4/42

All: 36.117+/-0.004 χ^2/NDF: 8579483.7/88

- sign 35.711+/-0.005 χ^2/NDF: 4365511.6/45



Right In: 0.000+/-0.000 χ^2/NDF: 21.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:43.5/24

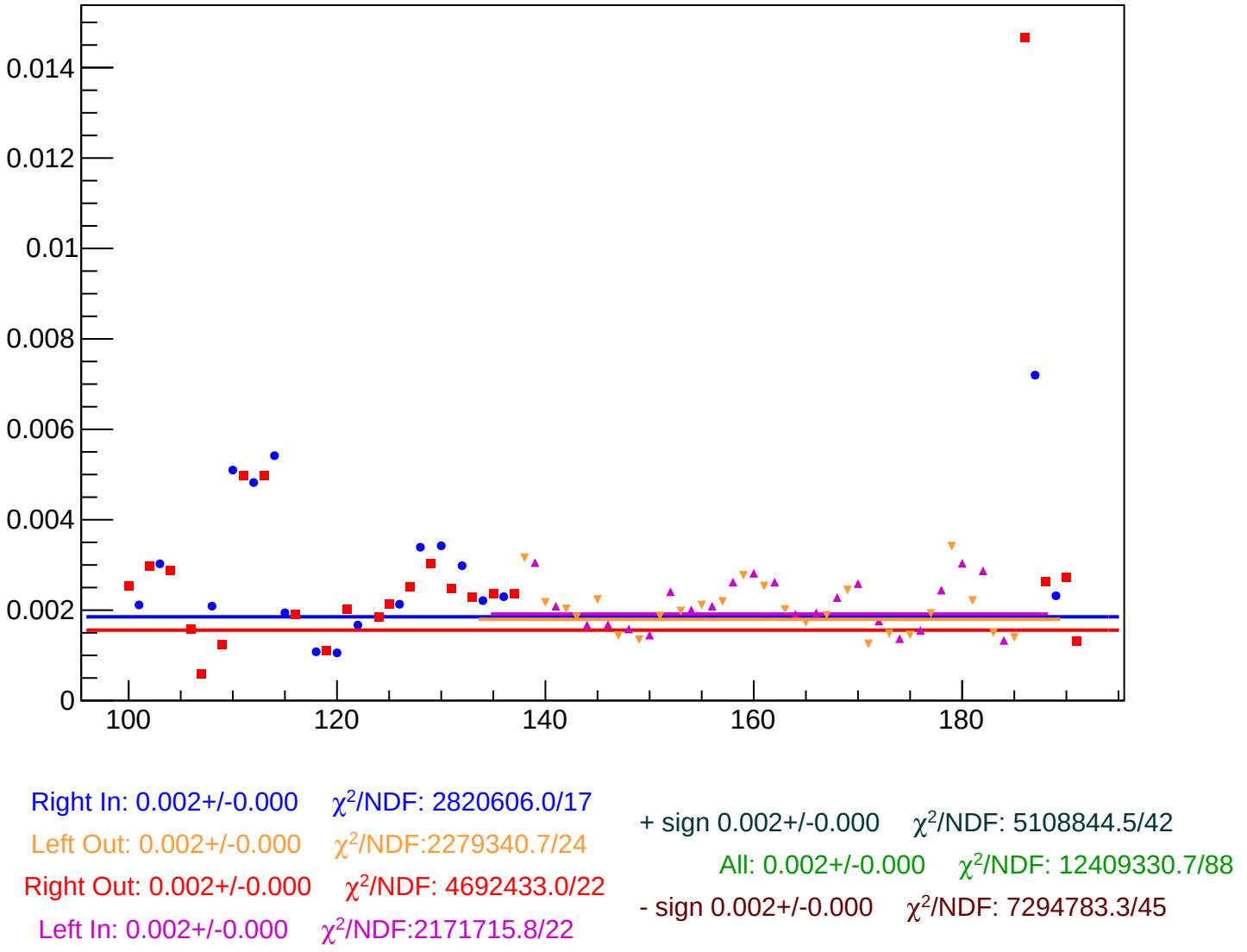
Right Out: 0.000+/-0.000 χ^2/NDF: 22.8/22

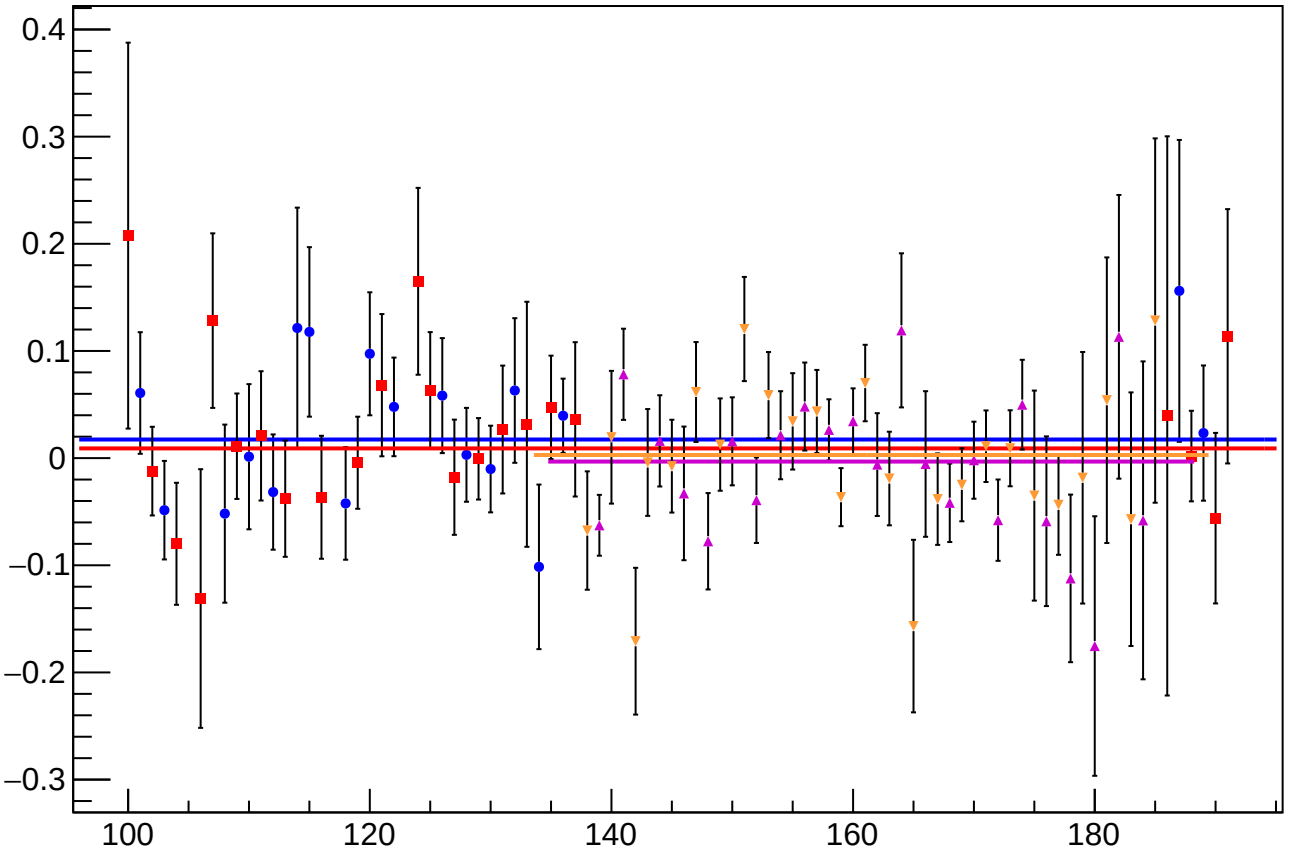
Left In: -0.000+/-0.000 χ^2/NDF:16.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 66.2/42

All: 0.000+/-0.000 χ^2/NDF: 108.0/88

- sign 0.000+/-0.000 χ^2/NDF: 39.8/45


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
120
140
160
180
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: 4692433.0/22
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: 12409330.7/88
- sign 0.002+/-0.000 χ²/NDF: 7294783.3/45



Right In: 0.017+/-0.013 χ^2/NDF: 15.8/17

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

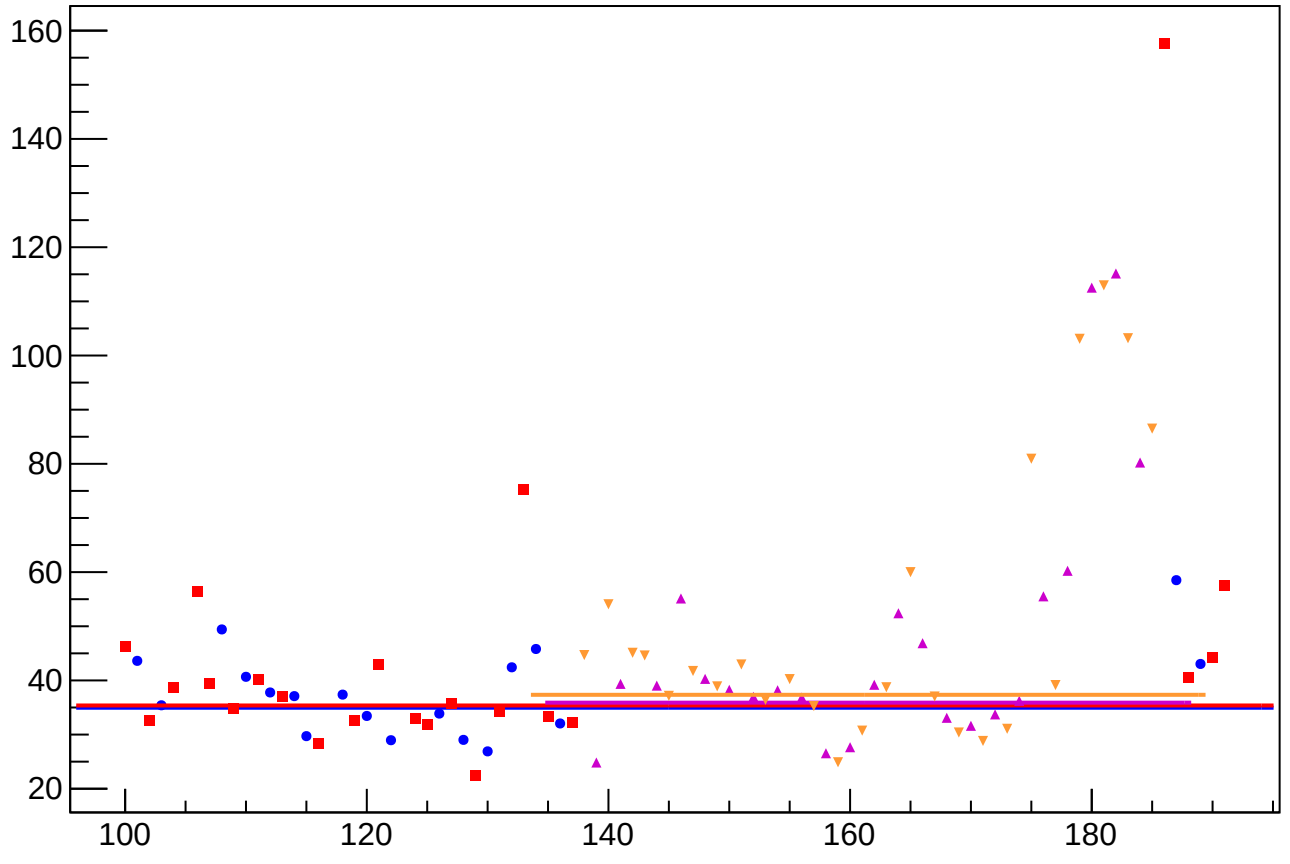
Right Out: 0.009+/-0.012 χ^2/NDF: 16.6/22

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: 96.9/88

- sign 0.001+/-0.007 χ^2/NDF: 47.1/45



Right In: 34.959+/-0.009 χ^2/NDF: 460451.0/17

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

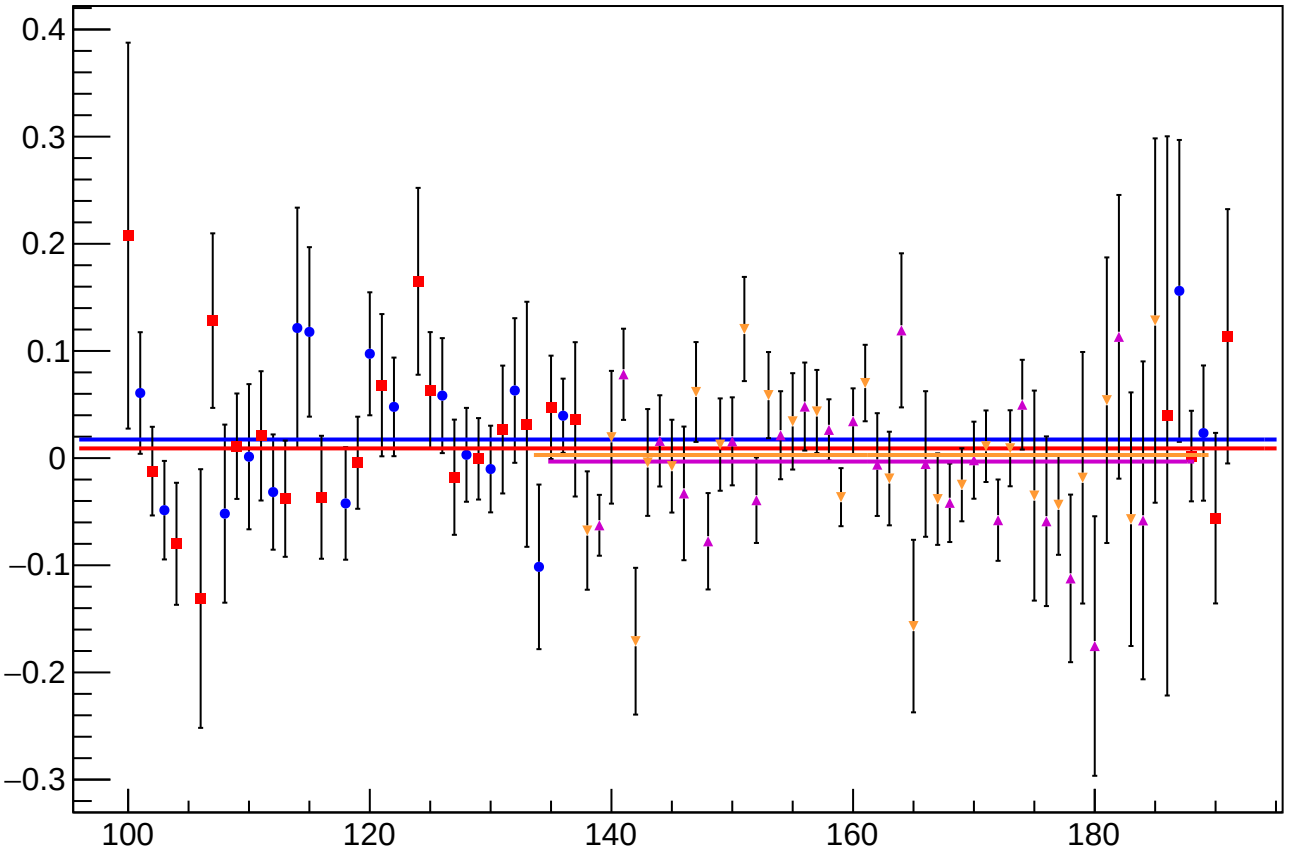
Right Out: 35.374+/-0.009 χ^2/NDF: 1225002.1/22

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

+ sign 36.545+/-0.005 χ^2/NDF: 4201616.4/42

All: 36.118+/-0.004 χ^2/NDF: 8579740.9/88

- sign 35.711+/-0.005 χ^2/NDF: 4365616.5/45



Right In: 0.017+/-0.013 χ^2/NDF: 15.8/17

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

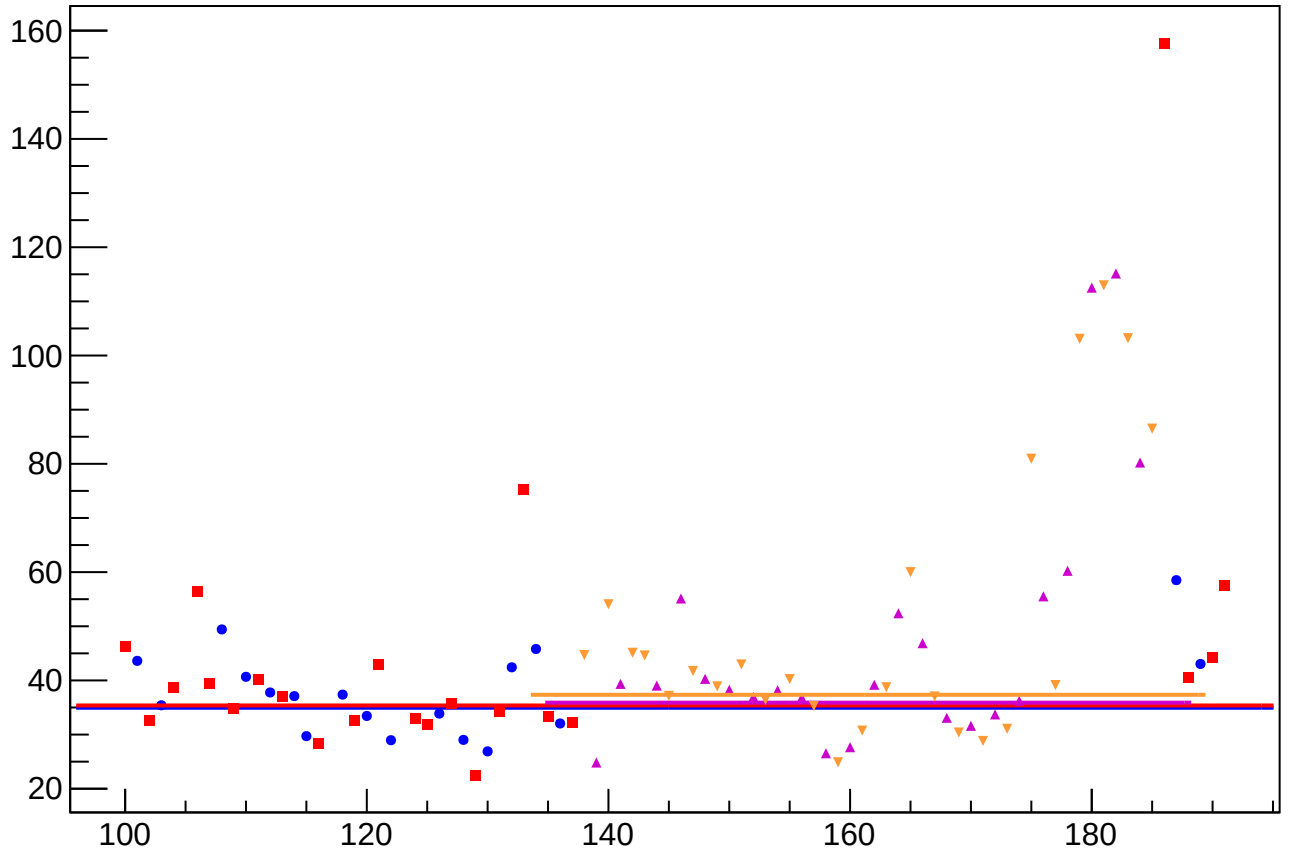
Right Out: 0.009+/-0.012 χ^2/NDF: 16.6/22

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: 96.9/88

- sign 0.001+/-0.007 χ^2/NDF: 47.1/45



Right In: 34.959+/-0.009 χ^2/NDF: 460451.0/17

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

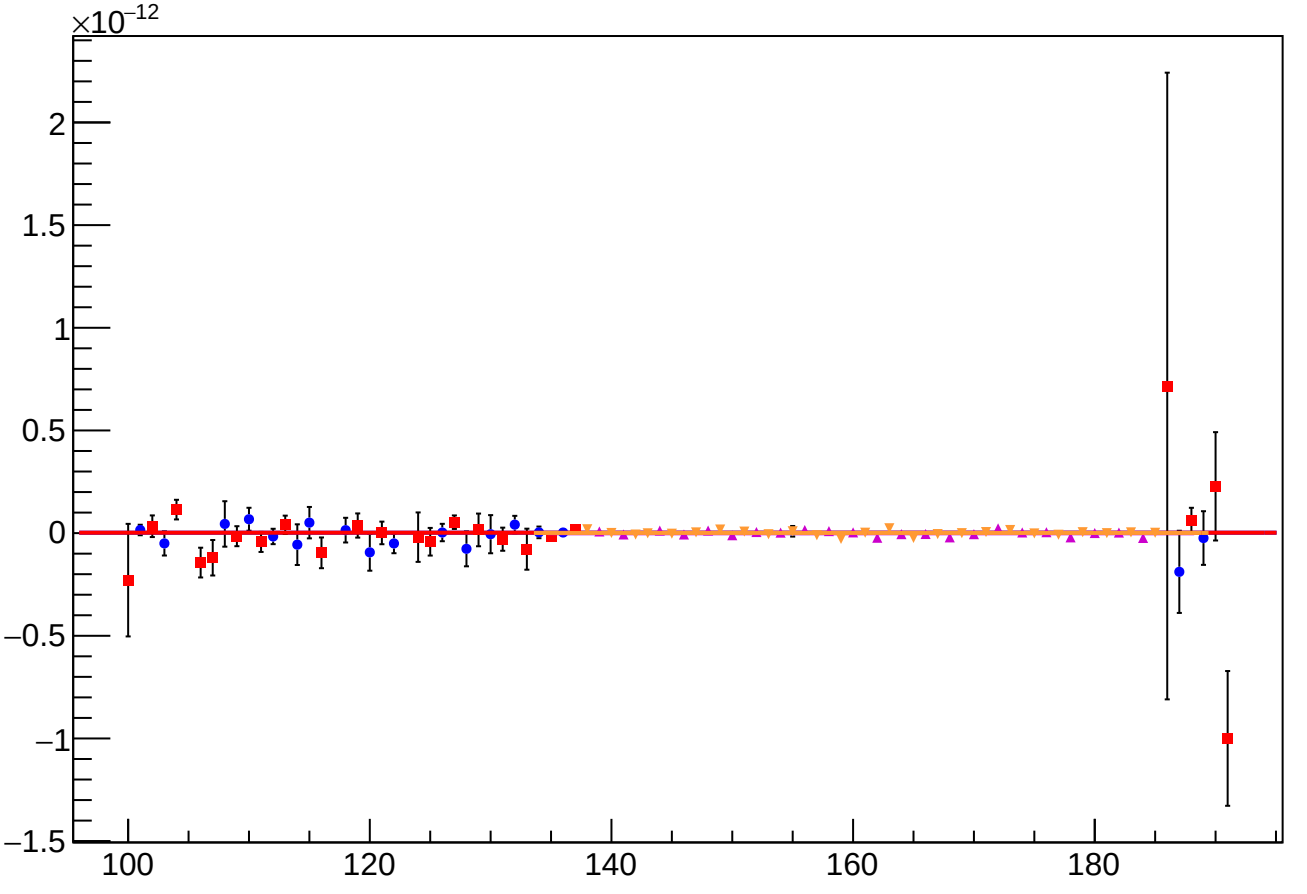
Right Out: 35.374+/-0.009 χ^2/NDF: 1225002.1/22

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

+ sign 36.545+/-0.005 χ^2/NDF: 4201616.4/42

All: 36.118+/-0.004 χ^2/NDF: 8579740.9/88

- sign 35.711+/-0.005 χ^2/NDF: 4365616.5/45



Right In: 0.000+/-0.000 χ^2/NDF: 8.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:21.4/24

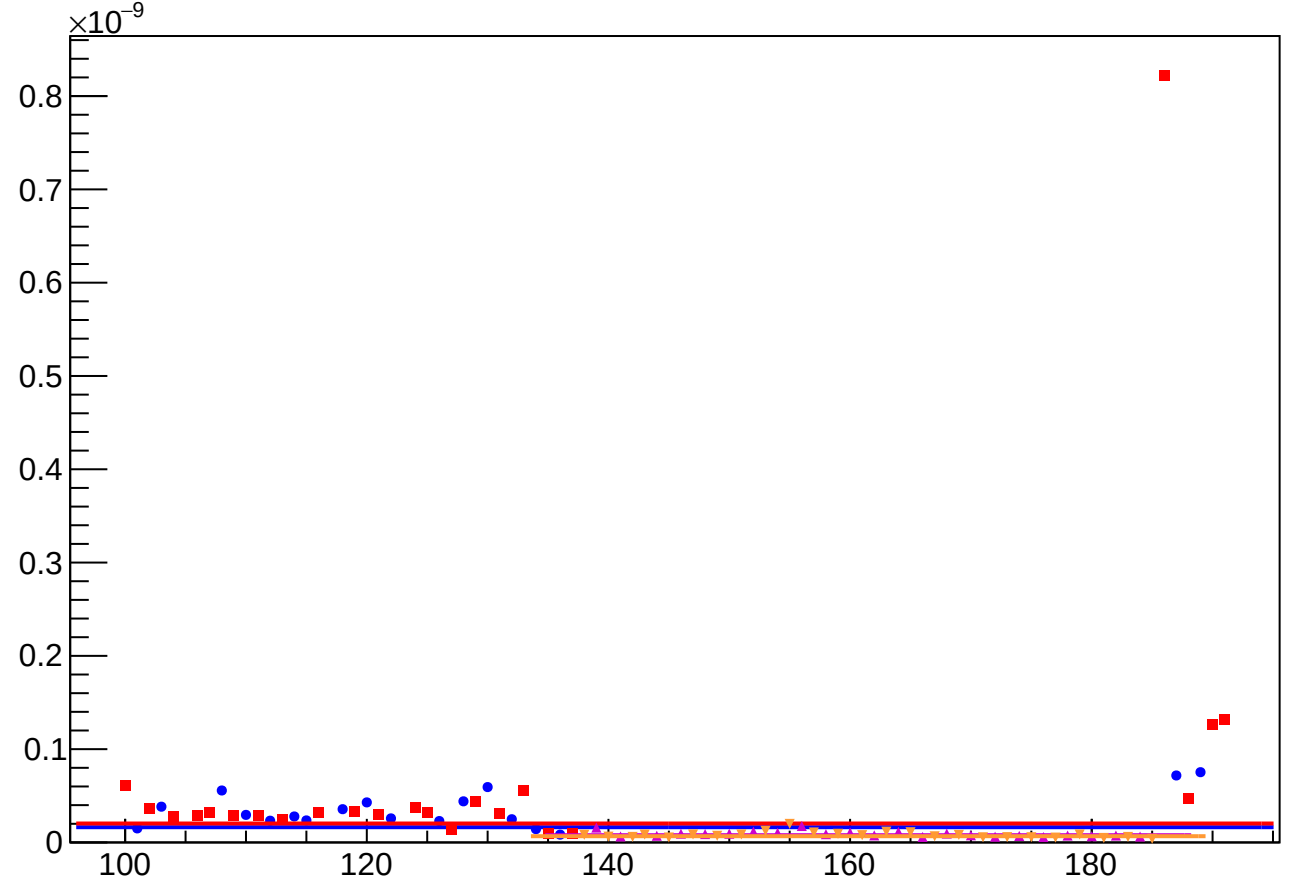
Right Out: 0.000+/-0.000 χ^2/NDF: 32.6/22

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: 92.2/88

- sign -0.000+/-0.000 χ^2/NDF: 61.9/45



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: 3927853.8/22

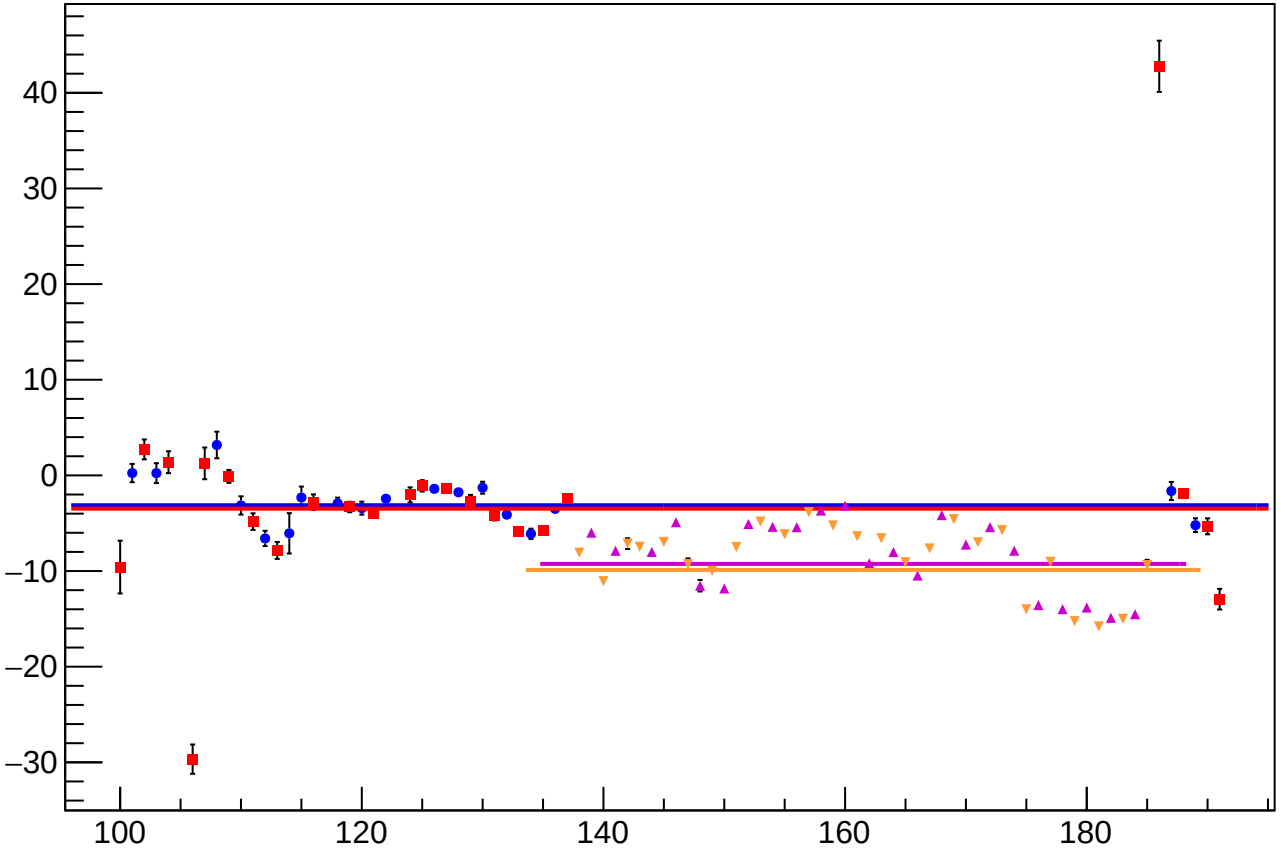
Left In: 0.000+/-0.000 χ^2/NDF:1582294.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 7911444.0/42

All: 0.000+/-0.000 χ^2/NDF: 16695361.9/88

- sign 0.000+/-0.000 χ^2/NDF: 8459816.7/45

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: -3.479+/-0.126 χ^2/NDF: 939.5/22

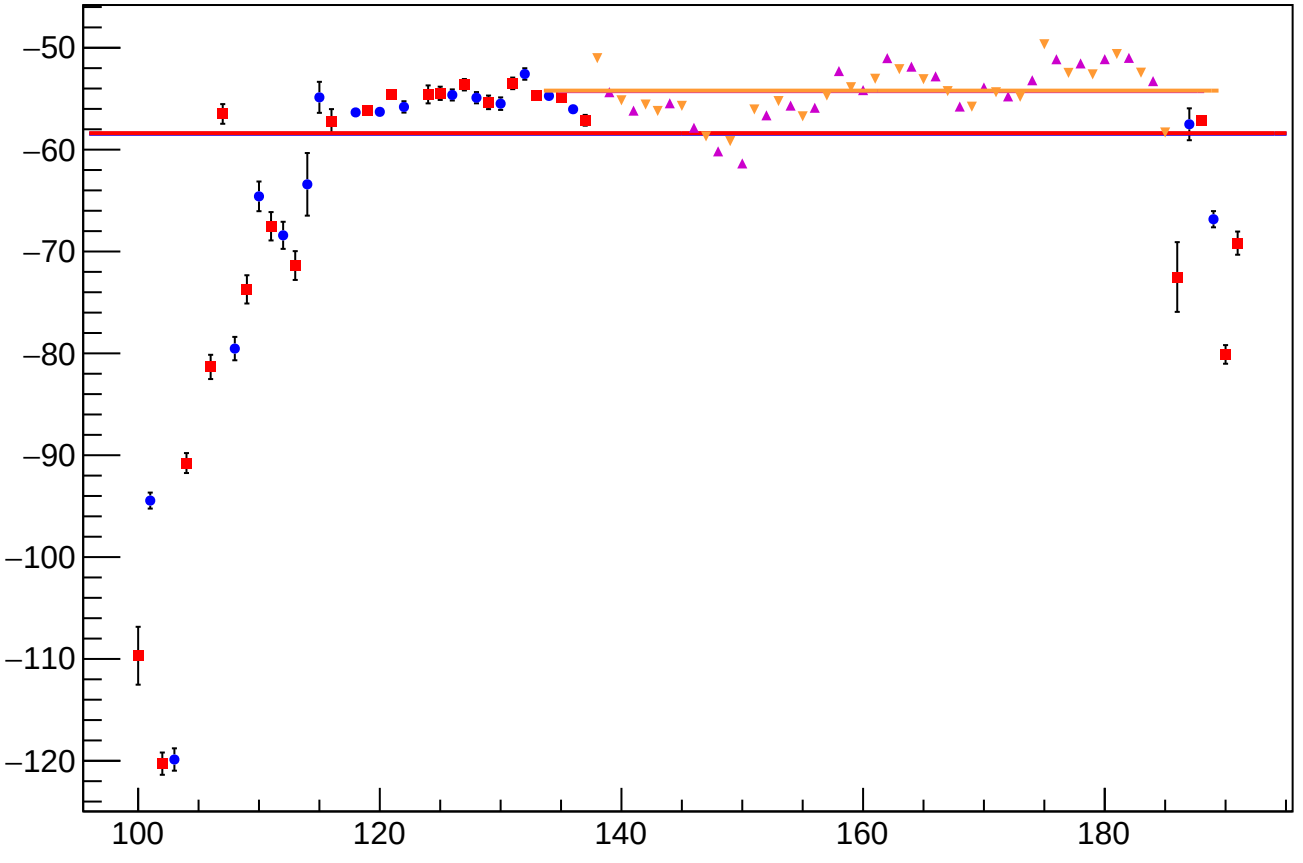
Left In: -9.255+/-0.072 χ^2/NDF:3067.6/22

+ sign -8.410+/-0.061 χ^2/NDF: 5418.0/42

All: -8.132+/-0.044 χ^2/NDF: 11052.3/88

- sign -7.846+/-0.062 χ^2/NDF: 5592.7/45

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: -58.381+/-0.131 χ^2/NDF: 6487.6/22

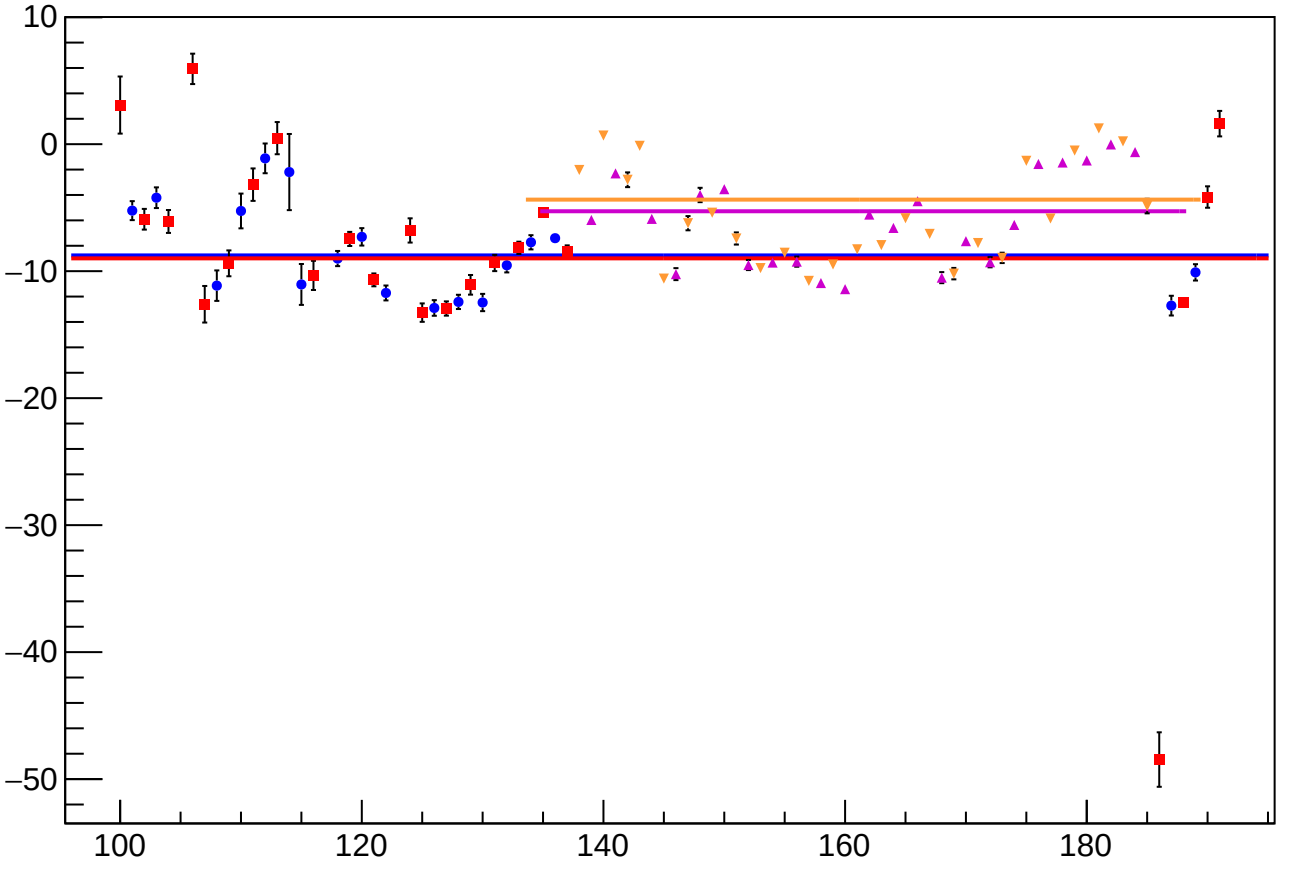
Left In: -54.257+/-0.058 χ^2/NDF:2489.9/22

\+ sign -54.839+/-0.051 χ^2/NDF: 8959.0/42

All: -54.889+/-0.037 χ^2/NDF: 18768.5/88

\- sign -54.941+/-0.053 χ^2/NDF: 9807.6/45

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: -8.993+/-0.129 χ^2/NDF: 1190.5/22

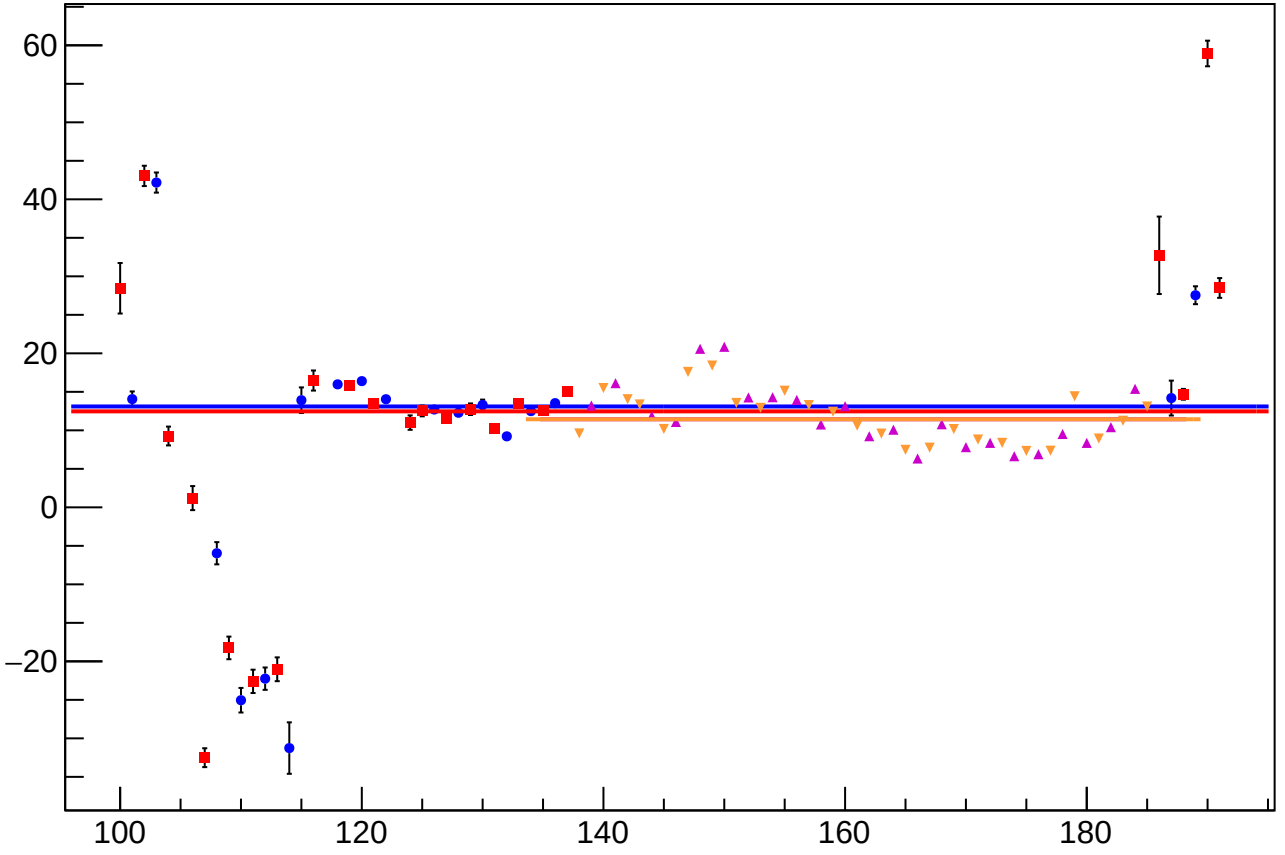
Left In: -5.283+/-0.071 χ^2/NDF:2750.2/22

\+ sign -5.241+/-0.062 χ^2/NDF: 4835.5/42

All: -5.690+/-0.044 χ^2/NDF: 9514.8/88

\- sign -6.144+/-0.062 χ^2/NDF: 4573.5/45

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: 12.466+/-0.150 χ^2/NDF: 4486.0/22

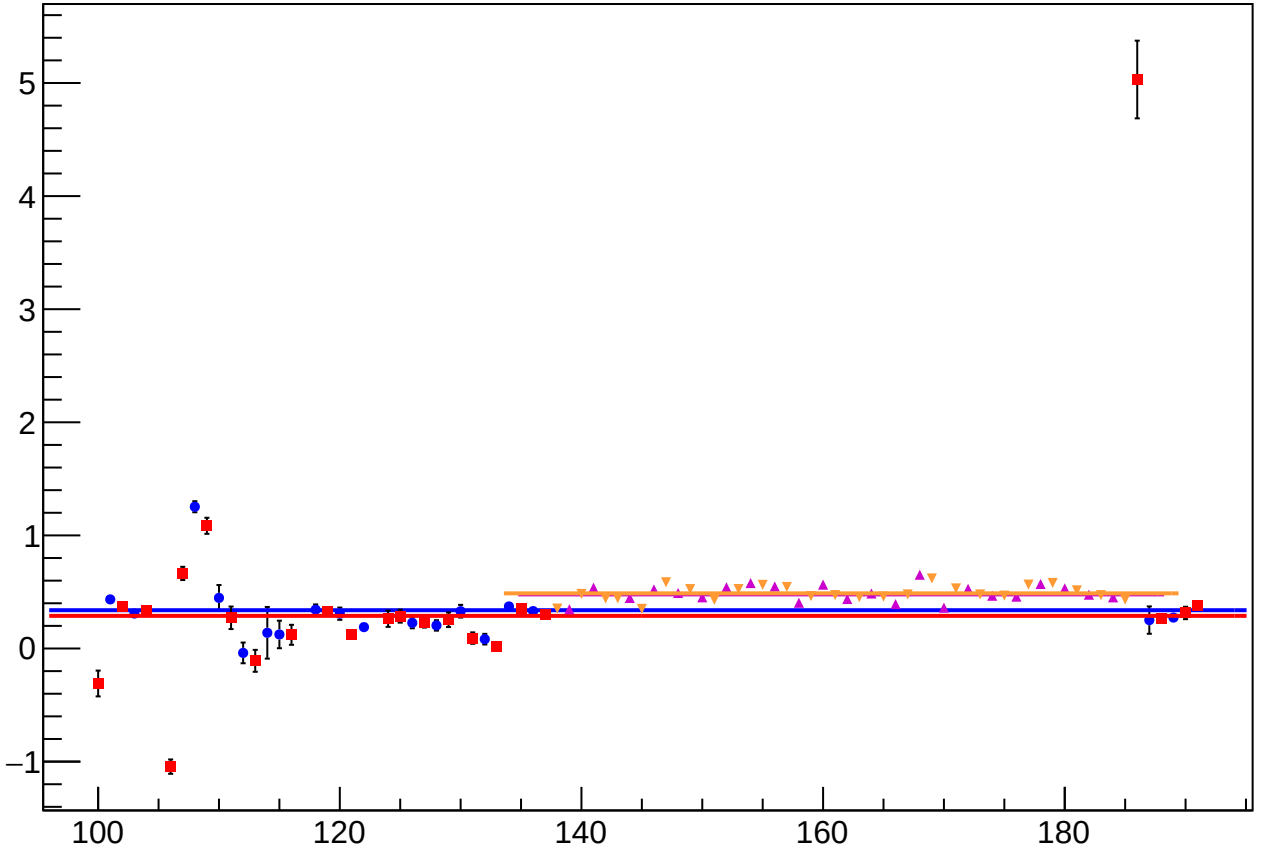
Left In: 11.441+/-0.064 χ^2/NDF:3358.4/22

\+ sign 11.684+/-0.057 χ^2/NDF: 4828.0/42

All: 11.643+/-0.041 χ^2/NDF: 12713.0/88

\- sign 11.600+/-0.059 χ^2/NDF: 7884.0/45

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: 0.289+/-0.008 χ^2/NDF: 976.9/22

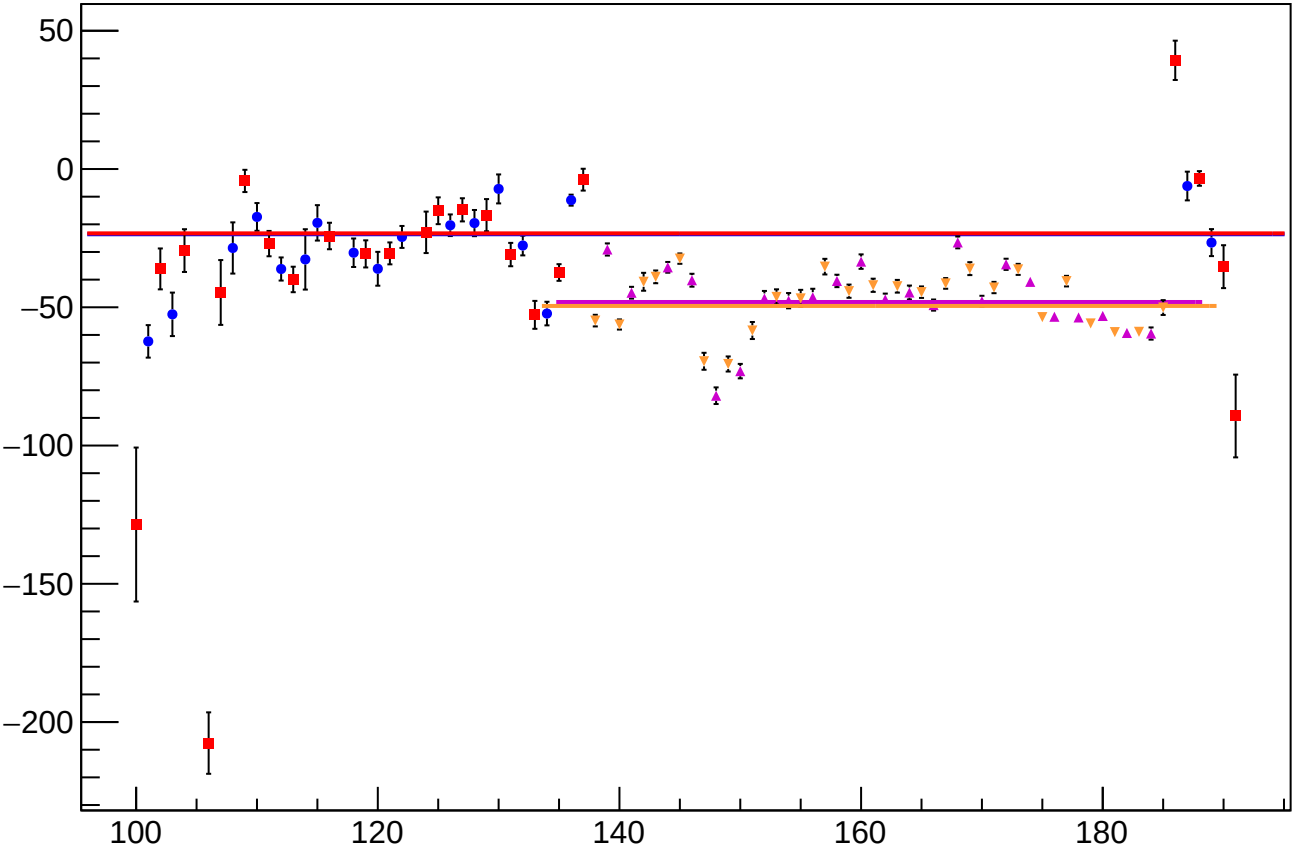
Left In: 0.478+/-0.003 χ^2/NDF:798.2/22

+ sign 0.471+/-0.003 χ^2/NDF: 1308.9/42

All: 0.464+/-0.002 χ^2/NDF: 3613.5/88

- sign 0.458+/-0.003 χ^2/NDF: 2291.1/45

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: -23.268+/-1.022 χ^2/NDF: 585.9/22

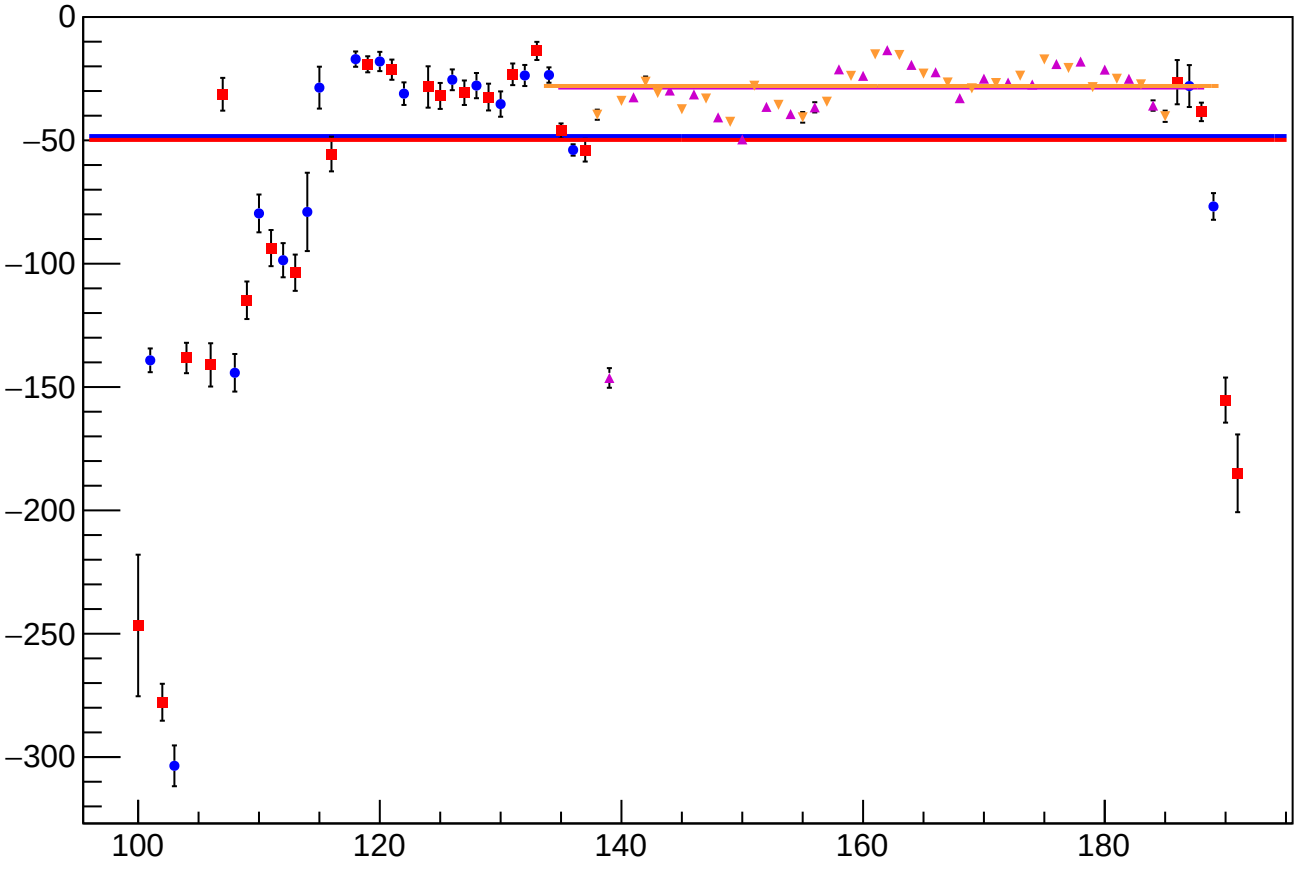
Left In: -48.087+/-0.418 χ^2/NDF:706.2/22

+ sign -46.135+/-0.375 χ^2/NDF: 1300.4/42

All: -45.354+/-0.269 χ^2/NDF: 3106.6/88

- sign -44.522+/-0.387 χ^2/NDF: 1797.3/45

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: -49.819+/-1.108 χ^2/NDF: 1998.1/22

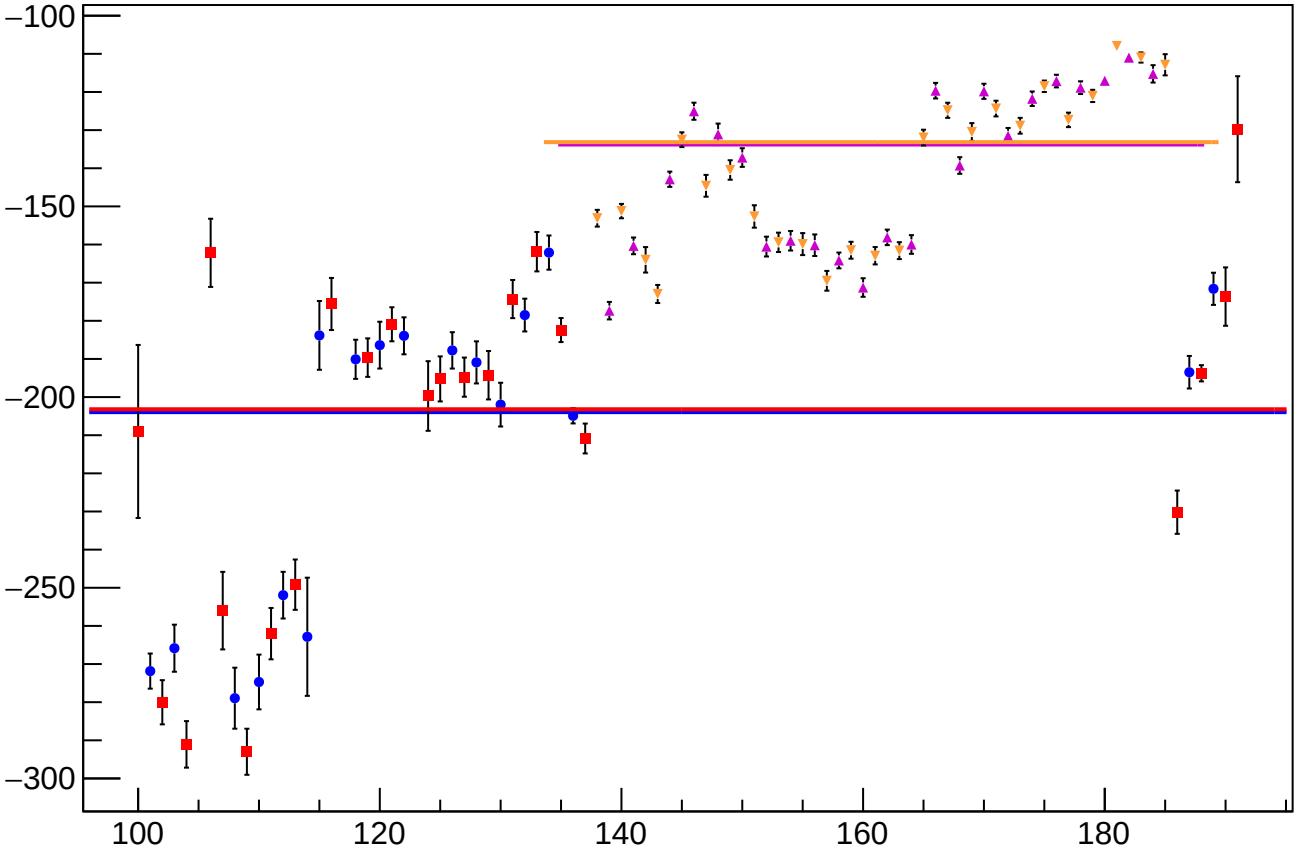
Left In: -28.592+/-0.334 χ^2/NDF:1480.6/22

+ sign -29.634+/-0.308 χ^2/NDF: 2735.5/42

All: -29.982+/-0.222 χ^2/NDF: 6553.5/88

- sign -30.358+/-0.319 χ^2/NDF: 3815.4/45

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: -203.193+/-1.063 χ^2/NDF: 1061.9/22

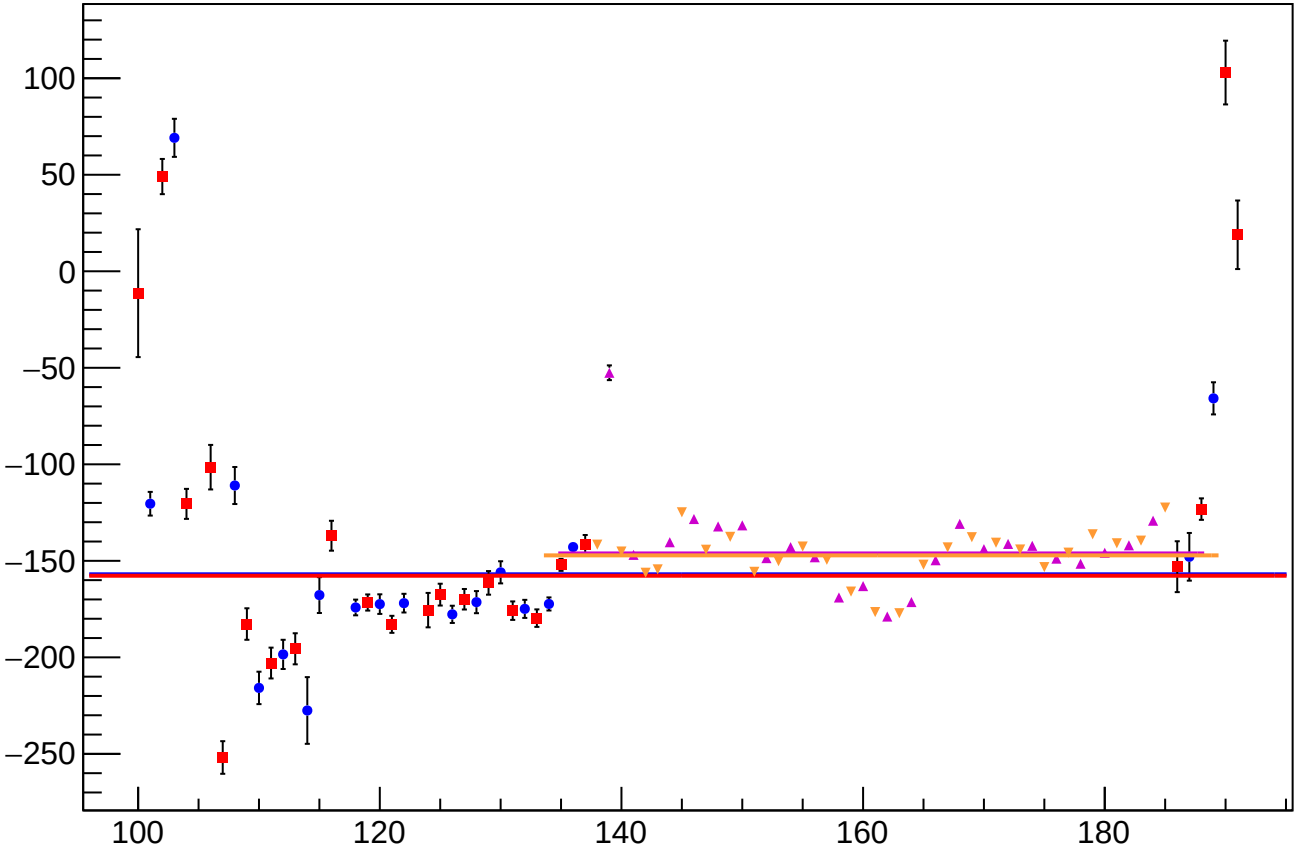
Left In: -133.777+/-0.417 χ^2/NDF:2440.7/22

+ sign -141.573+/-0.378 χ^2/NDF: 7022.5/42

All: -142.282+/-0.271 χ^2/NDF: 14226.4/88

- sign -143.030+/-0.388 χ^2/NDF: 7196.7/45

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: -157.712+/-1.275 χ^2/NDF: 1271.6/22

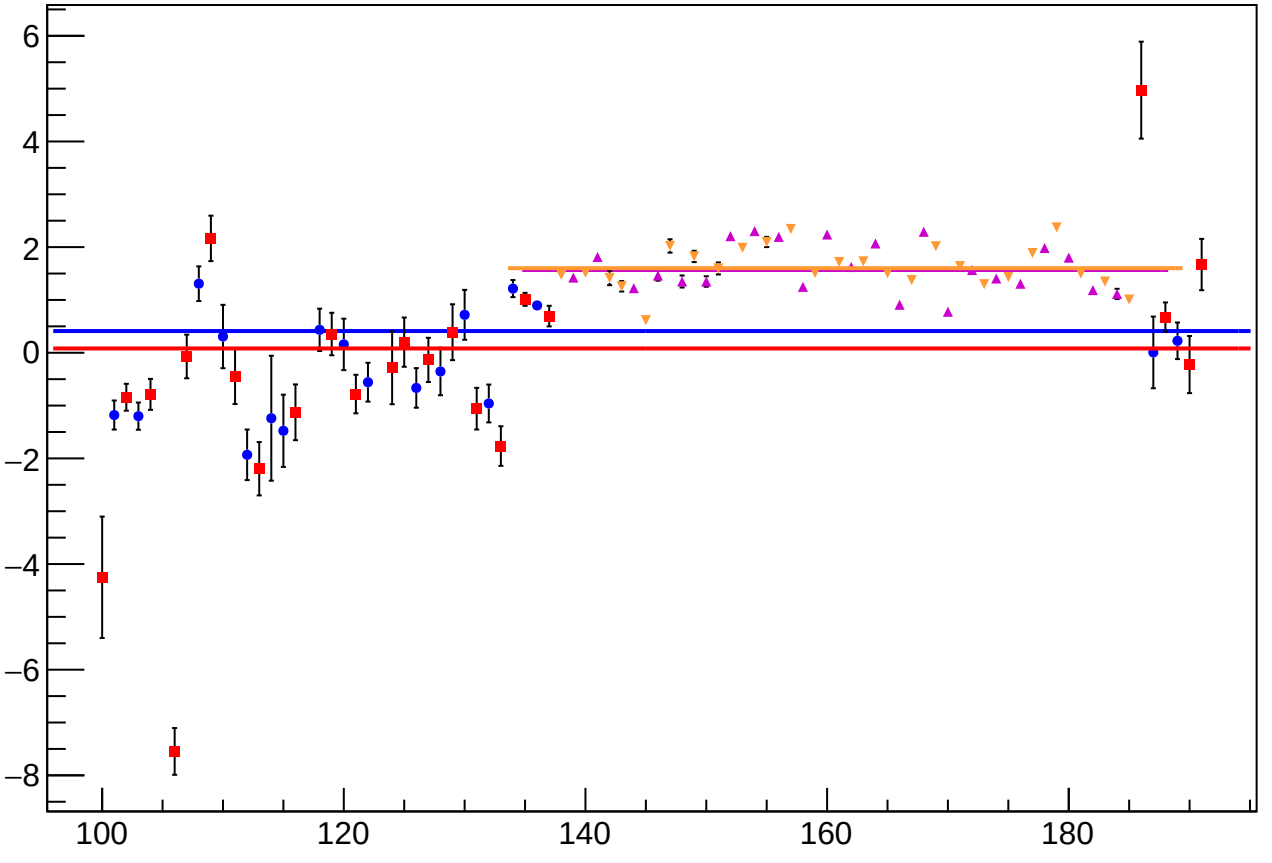
Left In: -146.173+/-0.371 χ^2/NDF:1793.8/22

+ sign -147.961+/-0.343 χ^2/NDF: 2245.6/42

All: -147.533+/-0.247 χ^2/NDF: 5389.7/88

- sign -147.072+/-0.356 χ^2/NDF: 3140.9/45

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: 0.082+/-0.069 χ^2/NDF: 534.1/22

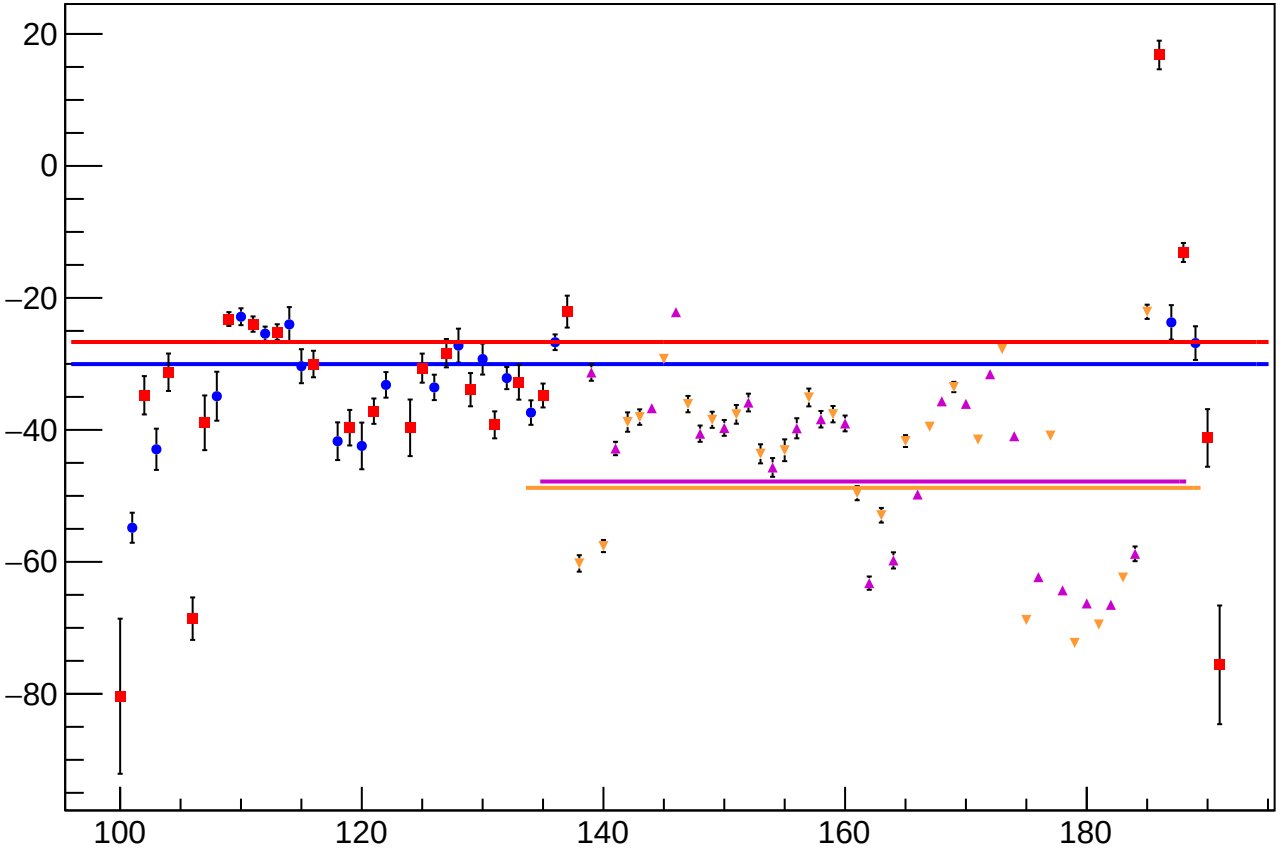
Left In: 1.567+/-0.016 χ^2/NDF:735.2/22

+ sign 1.530+/-0.016 χ^2/NDF: 1110.9/42

All: 1.509+/-0.011 χ^2/NDF: 2828.8/88

- sign 1.487+/-0.016 χ^2/NDF: 1714.1/45

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: -26.682+/-0.419 χ^2/NDF: 903.6/22

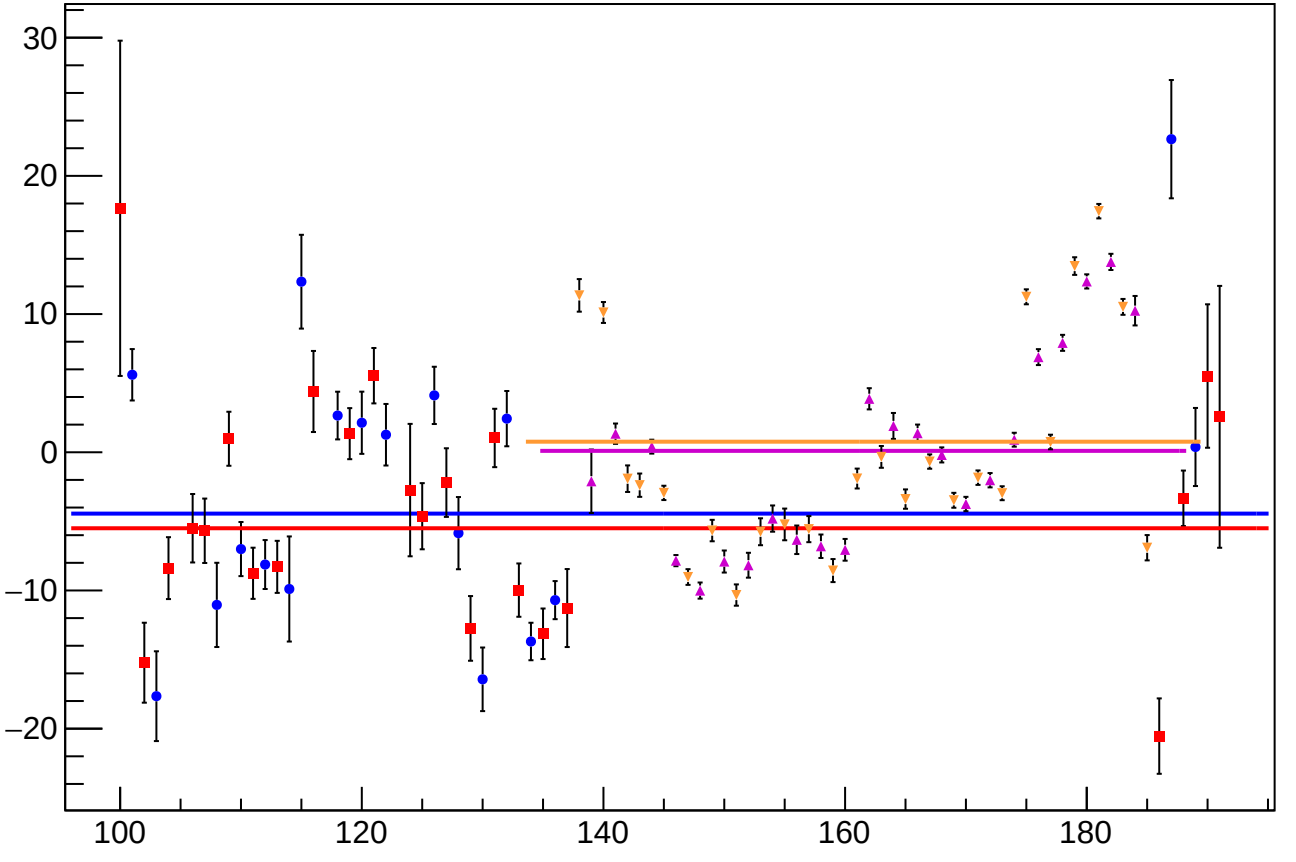
Left In: -47.822+/-0.170 χ^2/NDF:7223.0/22

+ sign -46.547+/-0.157 χ^2/NDF: 10723.1/42

All: -45.698+/-0.111 χ^2/NDF: 21092.4/88

- sign -44.838+/-0.158 χ^2/NDF: 10310.1/45

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: -5.498+/-0.495 χ^2/NDF: 173.5/22

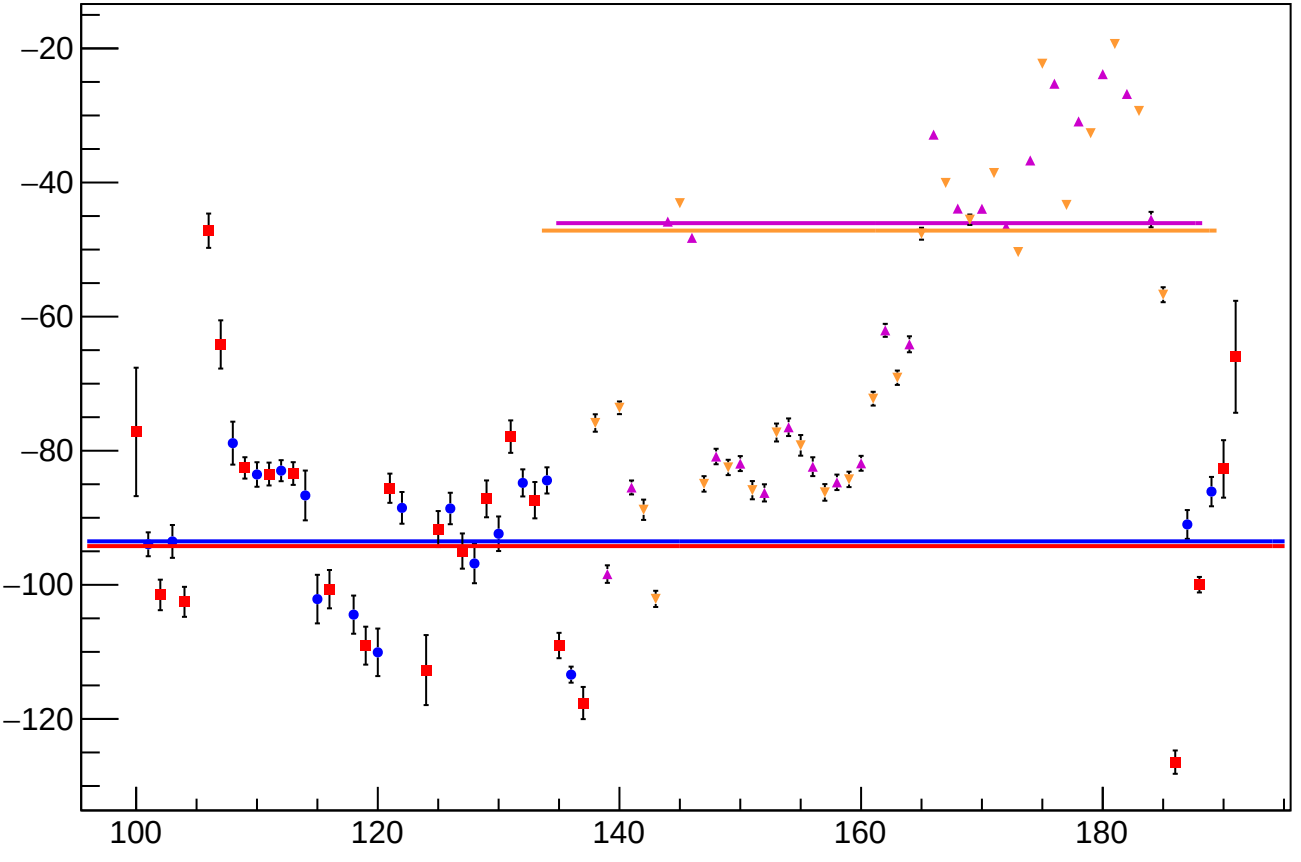
Left In: 0.102+/-0.133 χ^2/NDF:2721.8/22

+ sign 0.422+/-0.128 χ^2/NDF: 3850.7/42

All: 0.075+/-0.091 χ^2/NDF: 6880.1/88

- sign -0.275+/-0.128 χ^2/NDF: 3014.6/45

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: -94.225+/-0.470 χ^2/NDF: 1232.6/22

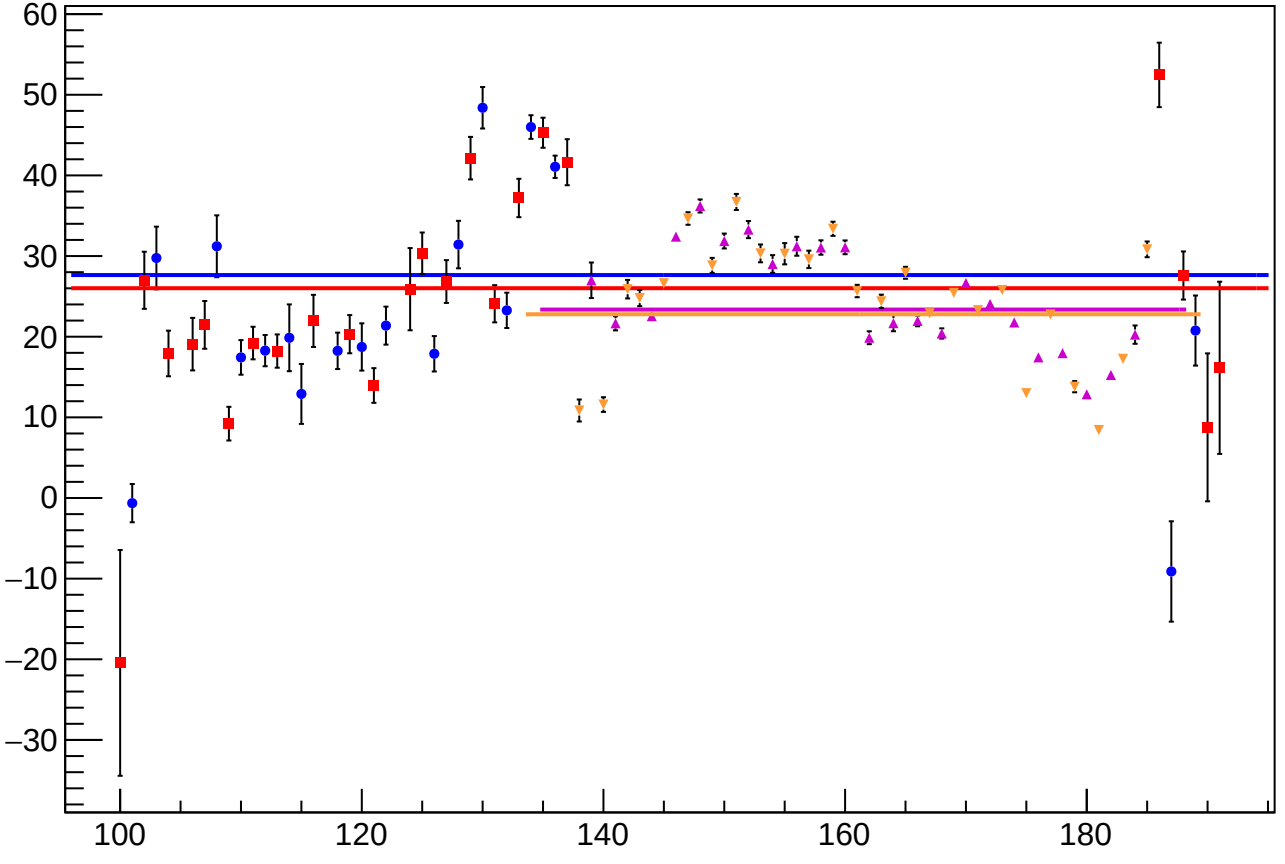
Left In: -46.058+/-0.170 χ^2/NDF:14769.8/22

+ sign -51.732+/-0.159 χ^2/NDF: 25676.5/42

All: -51.692+/-0.113 χ^2/NDF: 50982.0/88

- sign -51.650+/-0.160 χ^2/NDF: 25305.4/45

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: 26.014+/-0.571 χ^2/NDF: 403.9/22

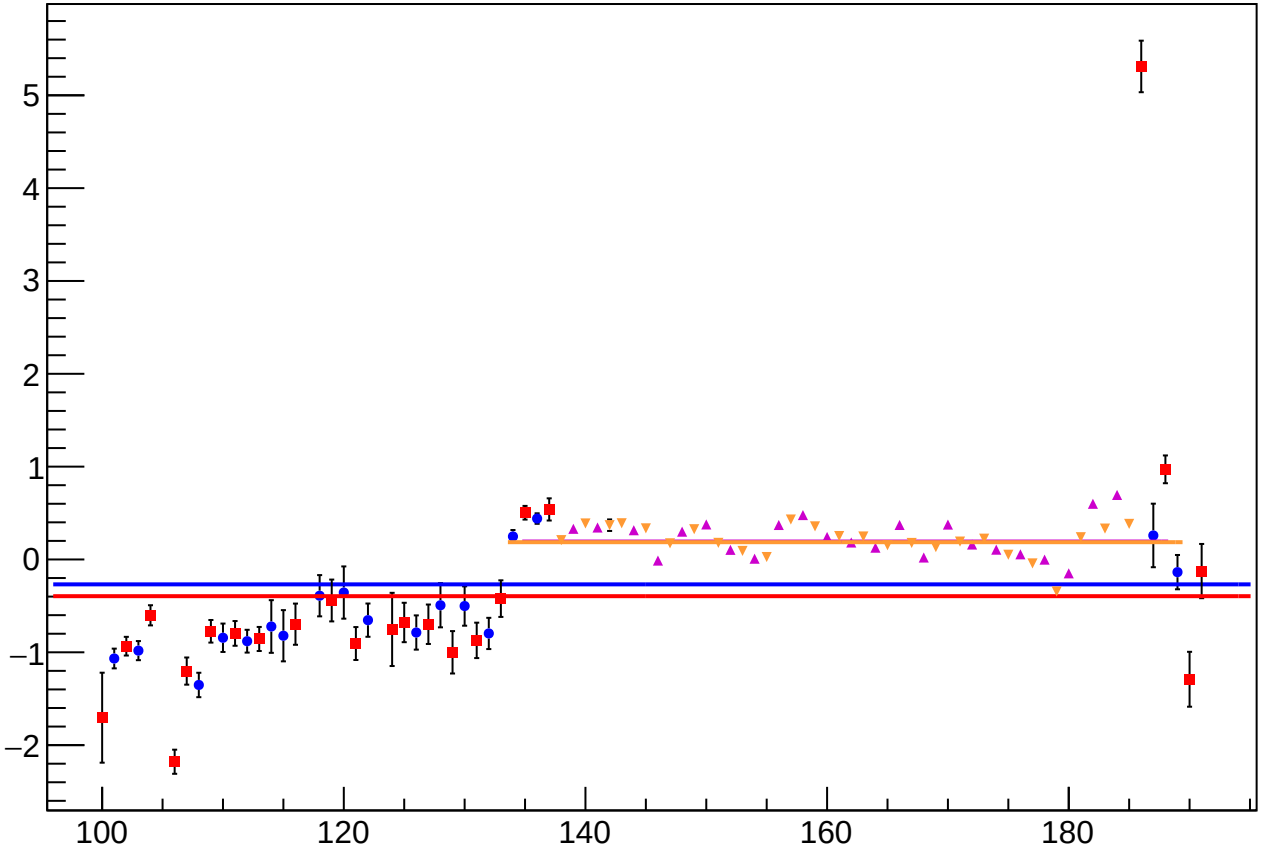
Left In: 23.366+/-0.149 χ^2/NDF:1785.4/22

+ sign 23.095+/-0.142 χ^2/NDF: 3104.1/42

All: 23.312+/-0.101 χ^2/NDF: 5318.2/88

- sign 23.534+/-0.144 χ^2/NDF: 2209.4/45

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: -0.395+/-0.032 χ^2/NDF: 1043.9/22

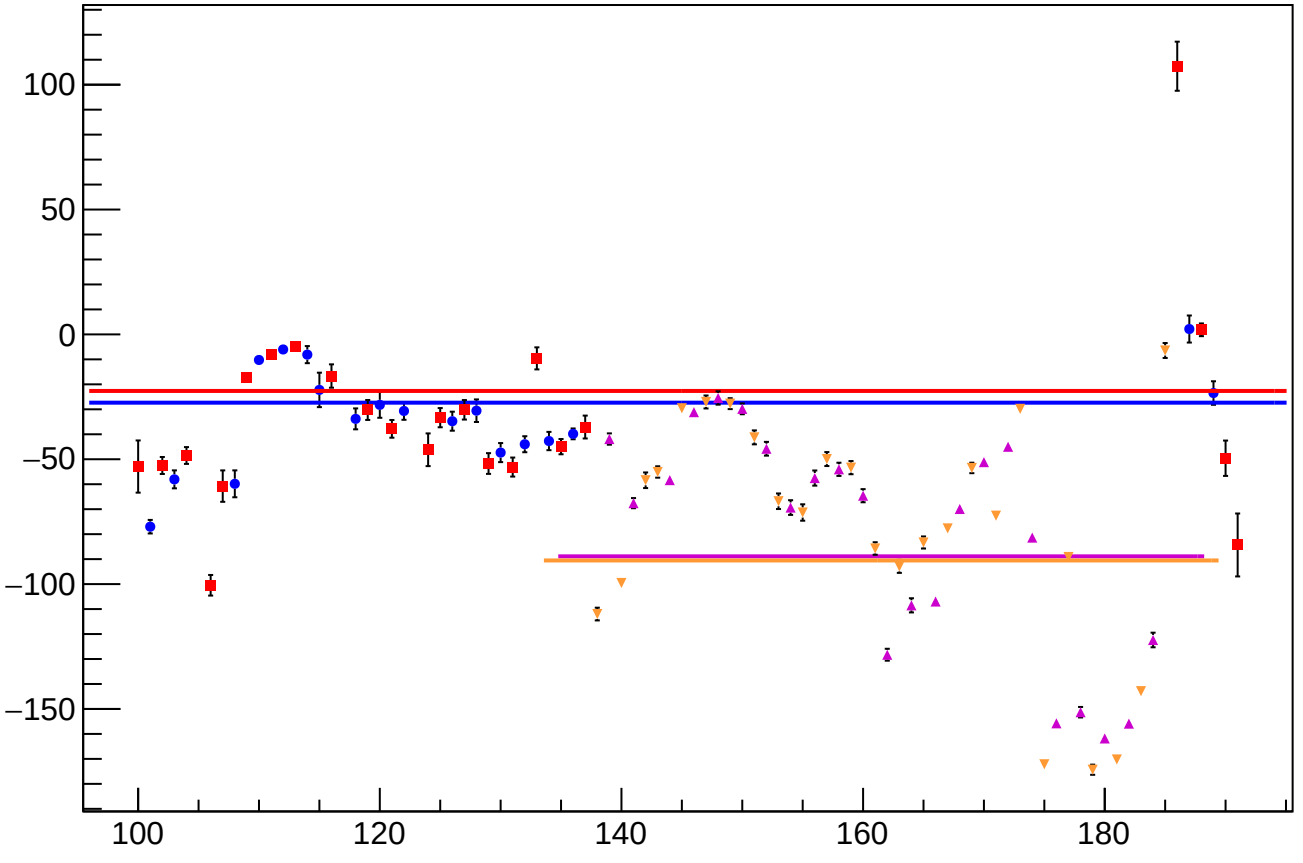
Left In: 0.193+/-0.007 χ^2/NDF:938.2/22

+ sign 0.166+/-0.006 χ^2/NDF: 1321.6/42

All: 0.167+/-0.005 χ^2/NDF: 3637.9/88

- sign 0.168+/-0.007 χ^2/NDF: 2316.2/45

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: -22.647+/-0.637 χ^2/NDF: 1302.9/22

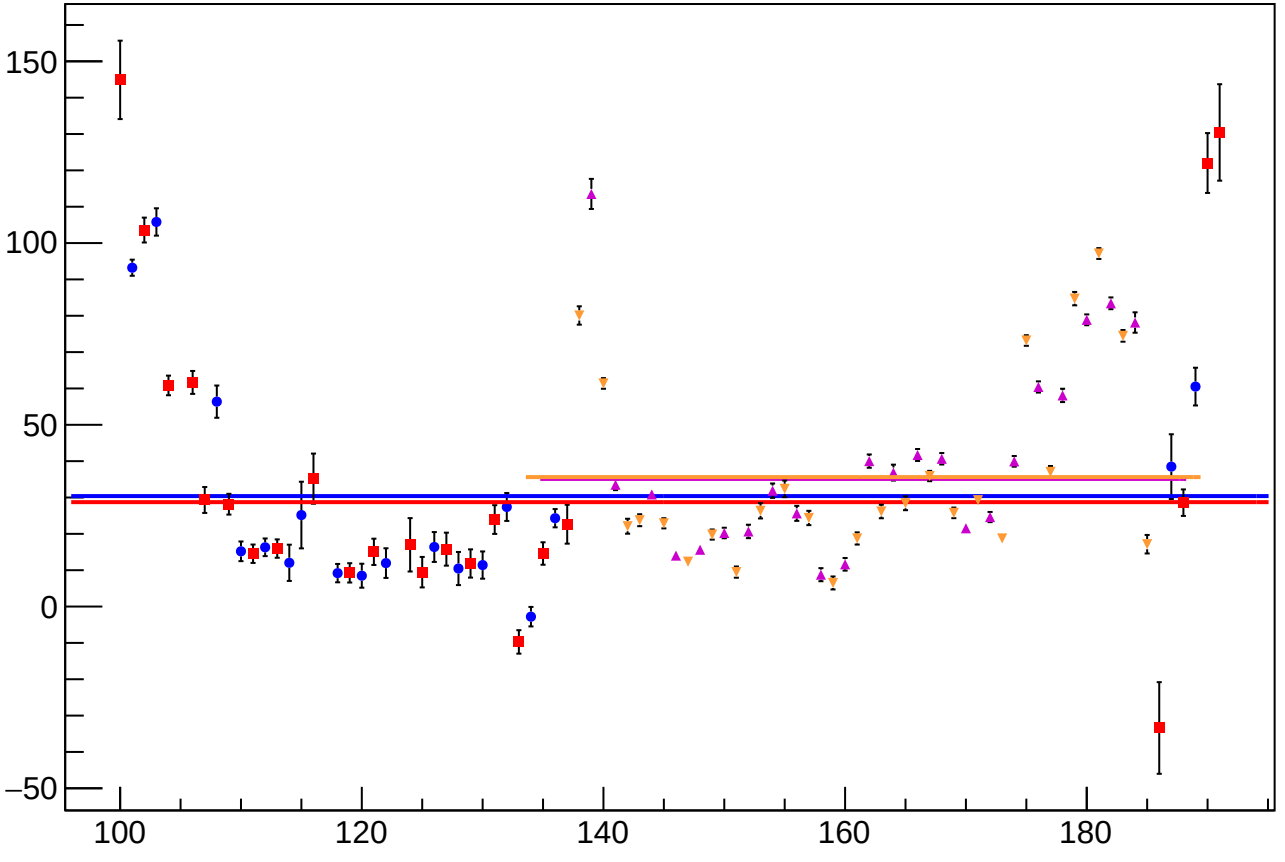
Left In: -88.888+/-0.435 χ^2/NDF:11815.7/22

+ sign -74.175+/-0.363 χ^2/NDF: 22108.9/42

All: -70.977+/-0.255 χ^2/NDF: 42764.7/88

- sign -67.845+/-0.359 χ^2/NDF: 20501.8/45

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: 28.722+/-0.772 χ^2/NDF: 1398.1/22

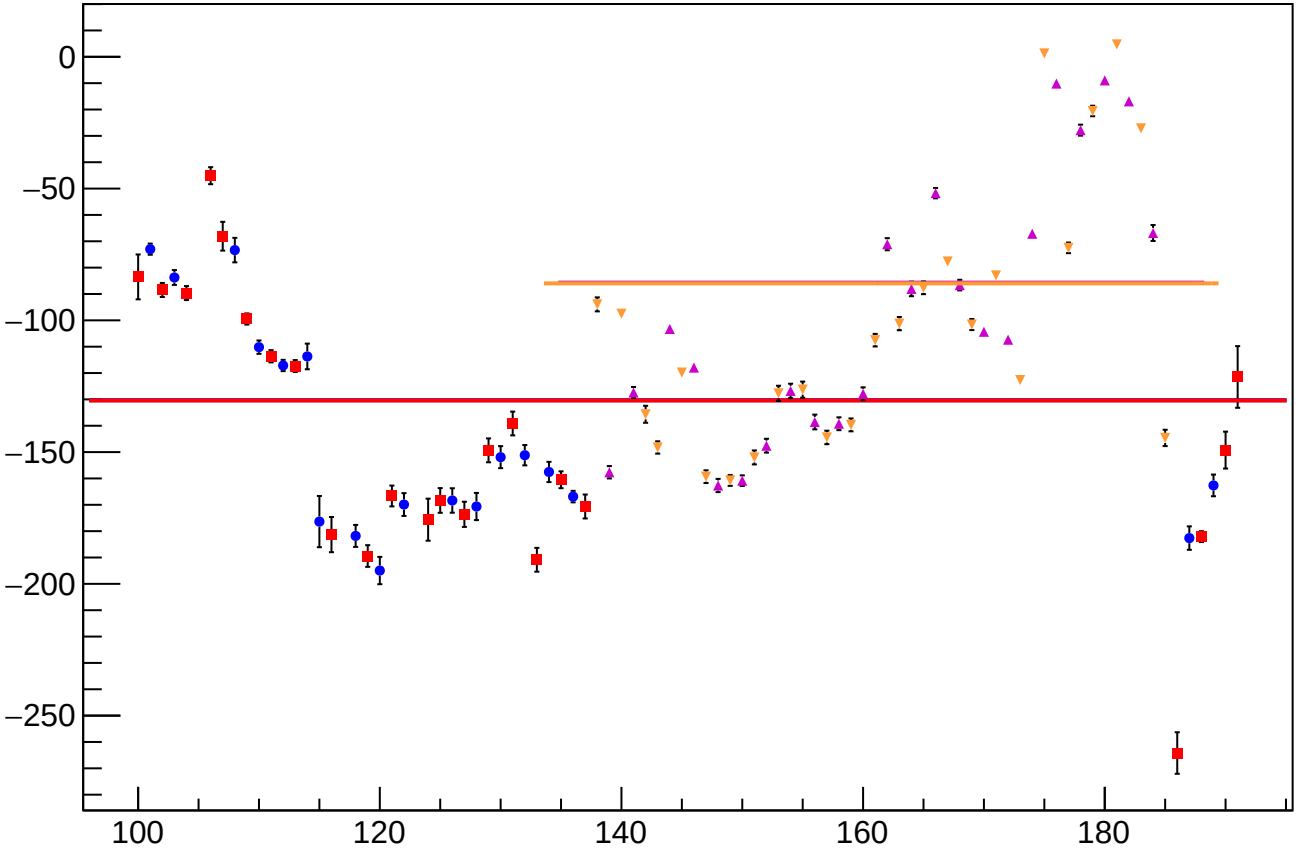
Left In: 35.112+/-0.336 χ^2/NDF:4144.4/22

+ sign 34.860+/-0.301 χ^2/NDF: 7711.2/42

All: 34.485+/-0.216 χ^2/NDF: 13314.4/88

- sign 34.093+/-0.308 χ^2/NDF: 5600.0/45

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: -130.391+/-0.735 χ^2/NDF: 3457.3/22

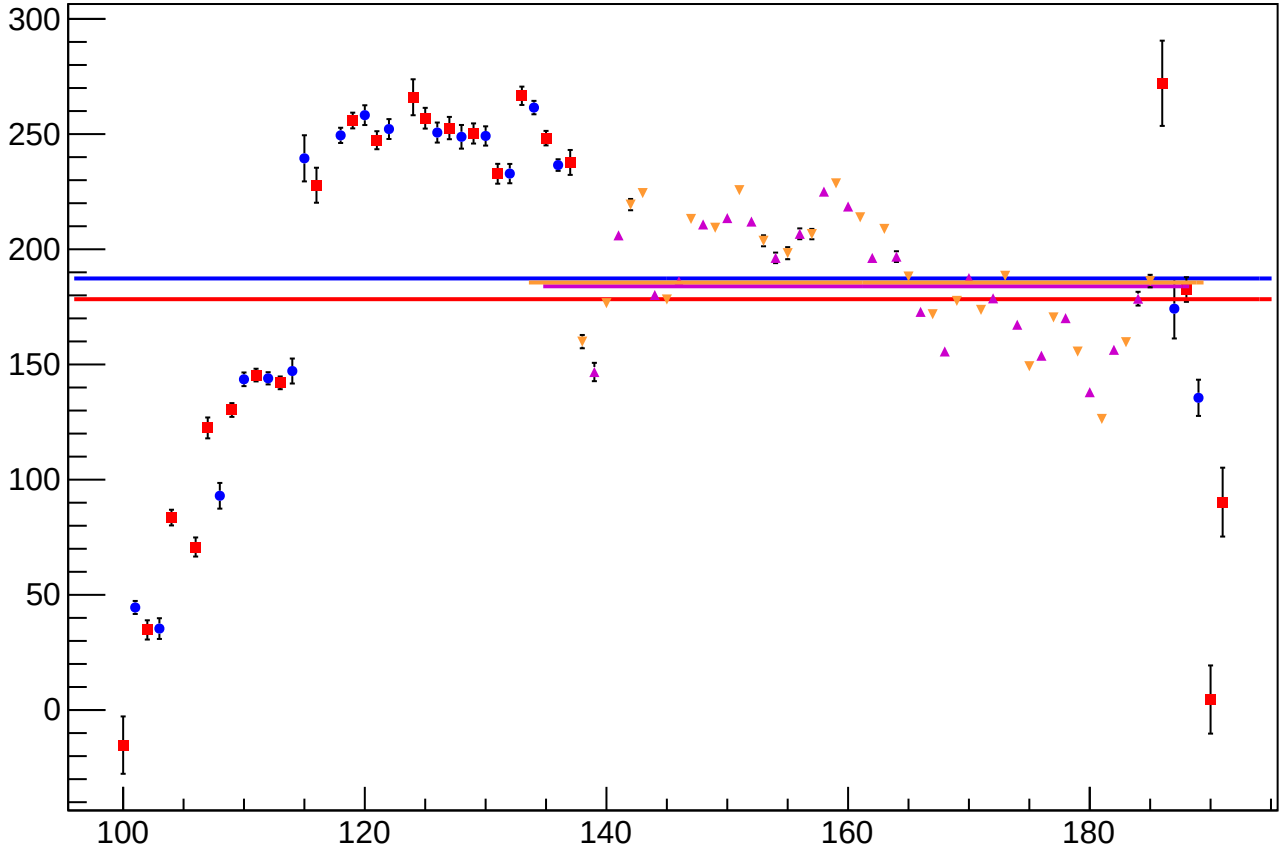
Left In: -85.705+/-0.432 χ^2/NDF:13758.7/22

+ sign -95.585+/-0.372 χ^2/NDF: 21032.9/42

All: -96.389+/-0.263 χ^2/NDF: 41003.1/88

- sign -97.194+/-0.373 χ^2/NDF: 19960.9/45

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: 178.338+/-0.891 χ^2/NDF: 6868.2/22

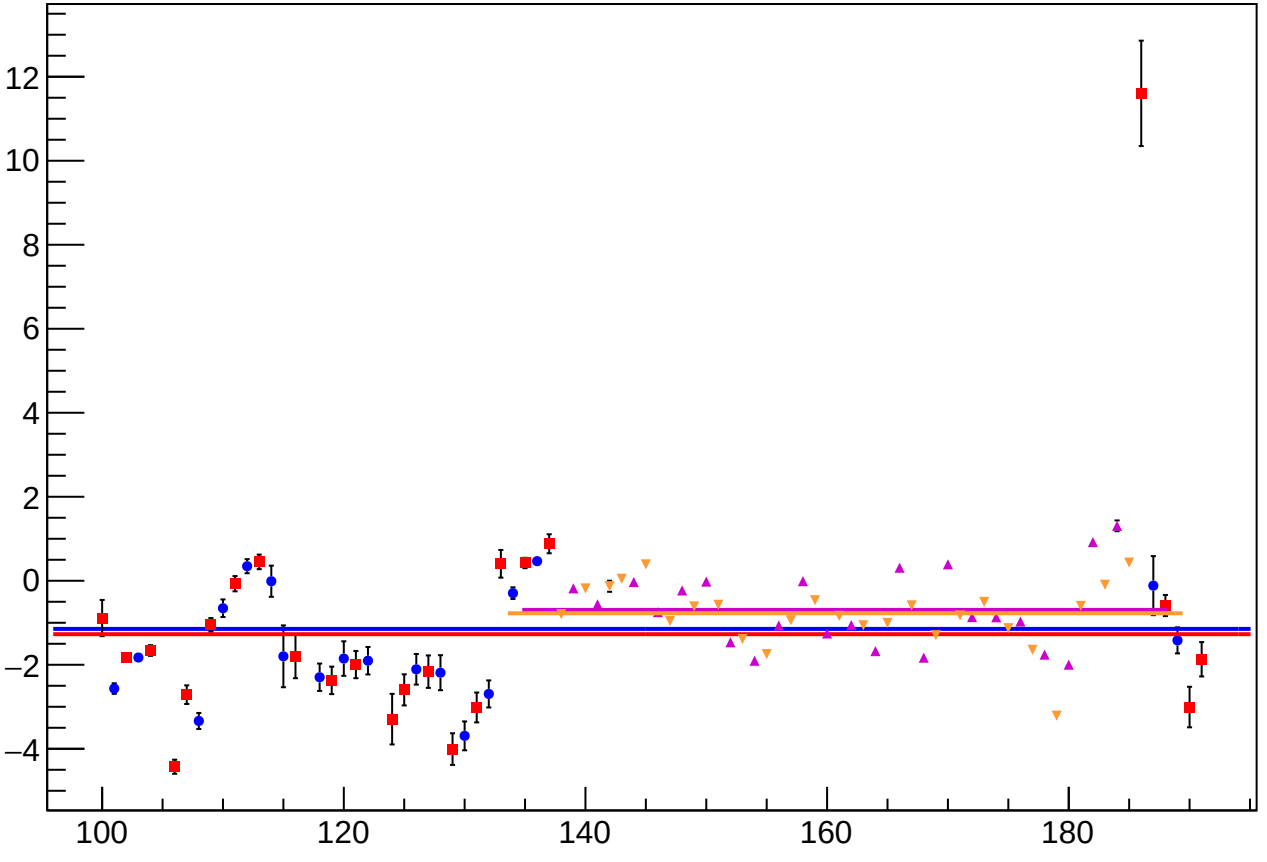
Left In: 183.940+/-0.378 χ^2/NDF:3873.5/22

+ sign 185.828+/-0.340 χ^2/NDF: 12521.7/42

All: 184.488+/-0.243 χ^2/NDF: 23328.7/88

- sign 183.087+/-0.348 χ^2/NDF: 10775.3/45

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: -1.272+/-0.046 χ^2/NDF: 1126.0/22

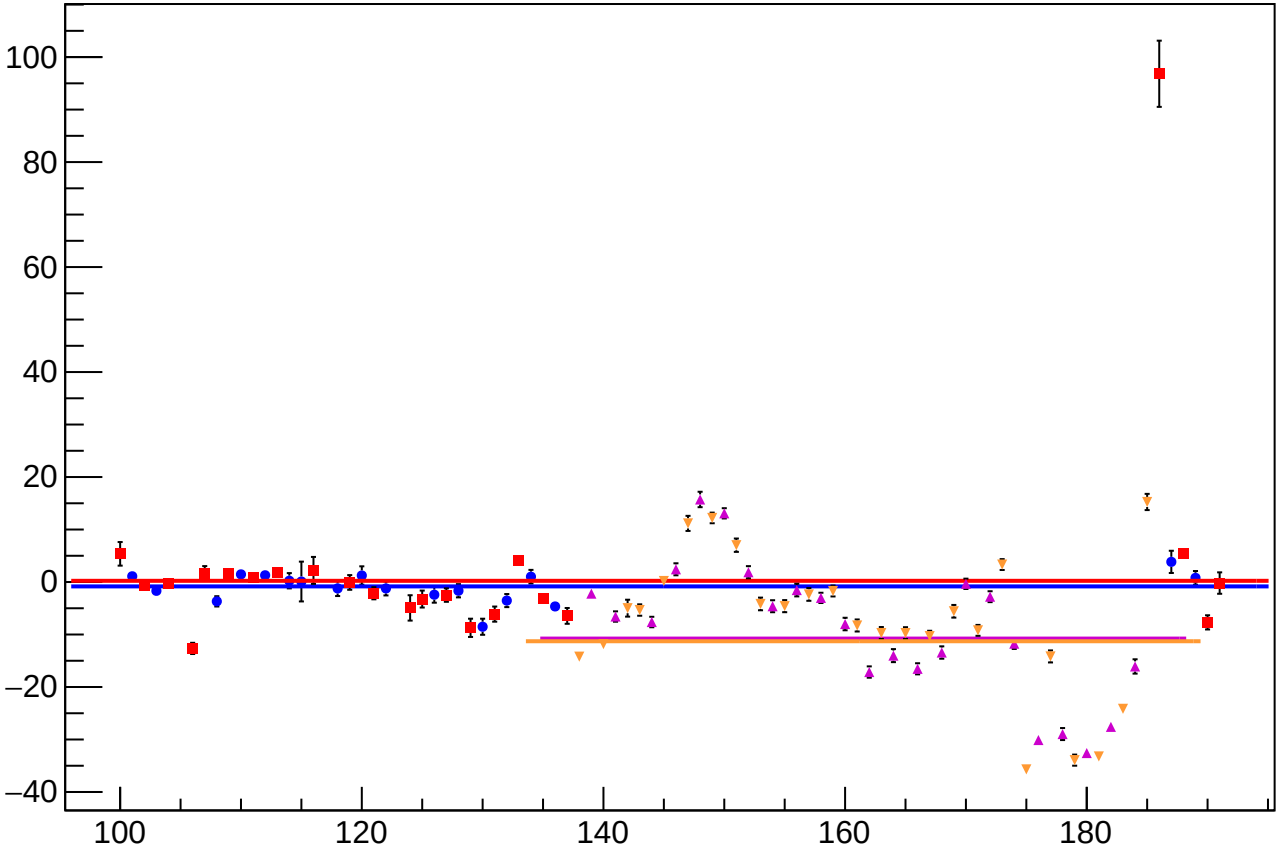
Left In: -0.694+/-0.017 χ^2/NDF:2565.3/22

+ sign -0.814+/-0.016 χ^2/NDF: 2668.3/42

All: -0.788+/-0.011 χ^2/NDF: 6504.3/88

- sign -0.761+/-0.016 χ^2/NDF: 3830.4/45

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: 0.229+/-0.207 χ^2/NDF: 629.8/22

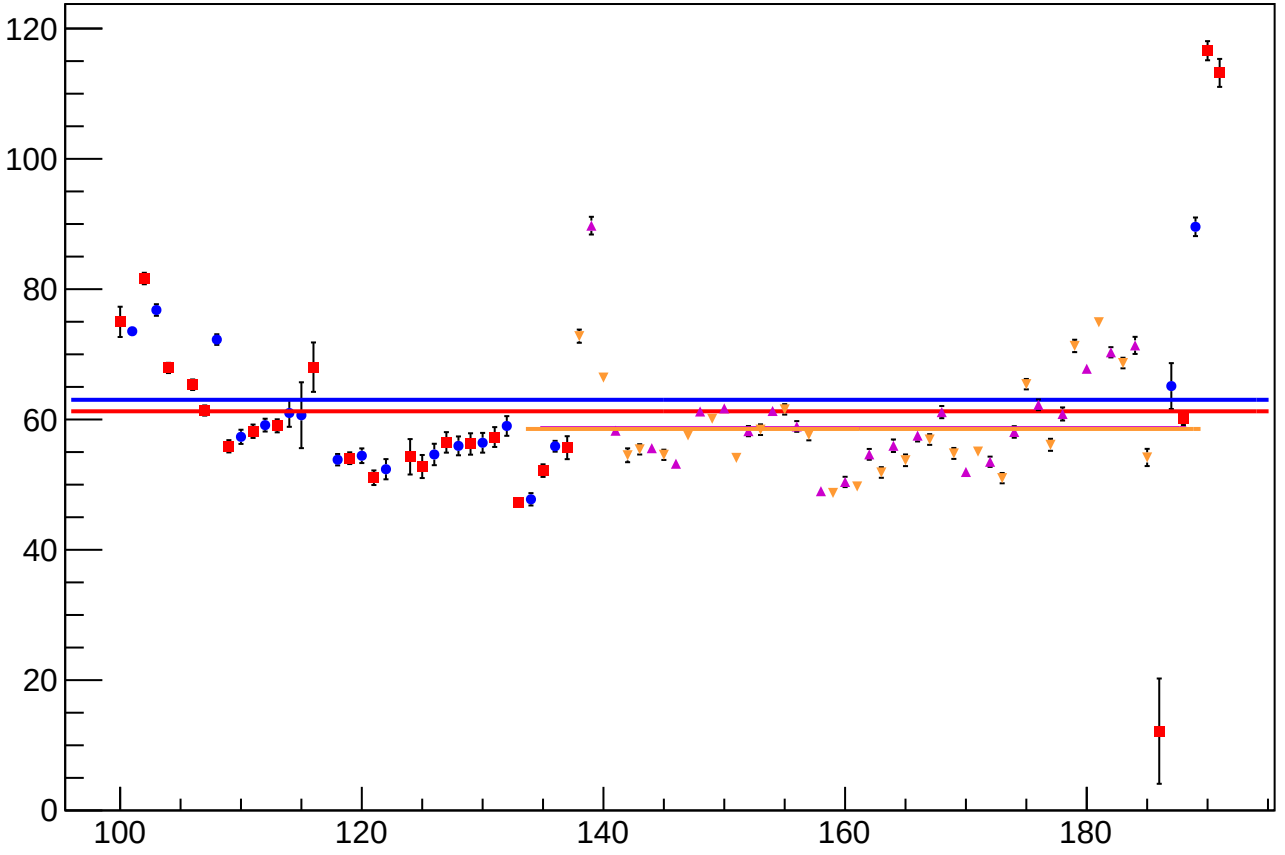
Left In: -10.776+/-0.213 χ^2/NDF:3699.2/22

+ sign -6.946+/-0.159 χ^2/NDF: 5657.9/42

All: -5.958+/-0.109 χ^2/NDF: 11431.7/88

- sign -5.097+/-0.148 χ^2/NDF: 5701.6/45

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: 61.257+/-0.231 χ^2/NDF: 3517.9/22

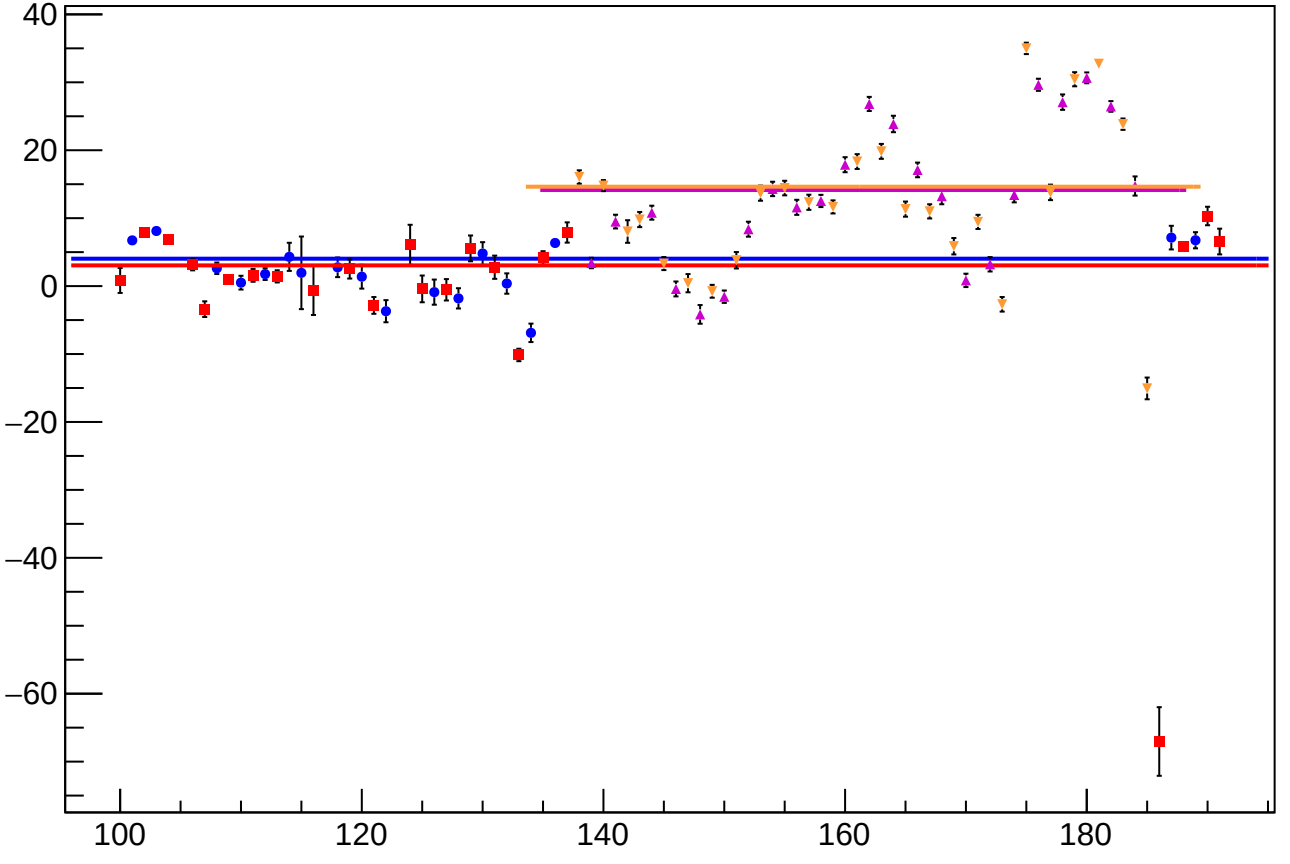
Left In: 58.679+/-0.168 χ^2/NDF:1613.4/22

+ sign 59.790+/-0.137 χ^2/NDF: 3775.7/42

All: 59.680+/-0.097 χ^2/NDF: 8989.4/88

- sign 59.571+/-0.136 χ^2/NDF: 5212.4/45

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: 3.050+/-0.217 χ^2/NDF: 636.7/22

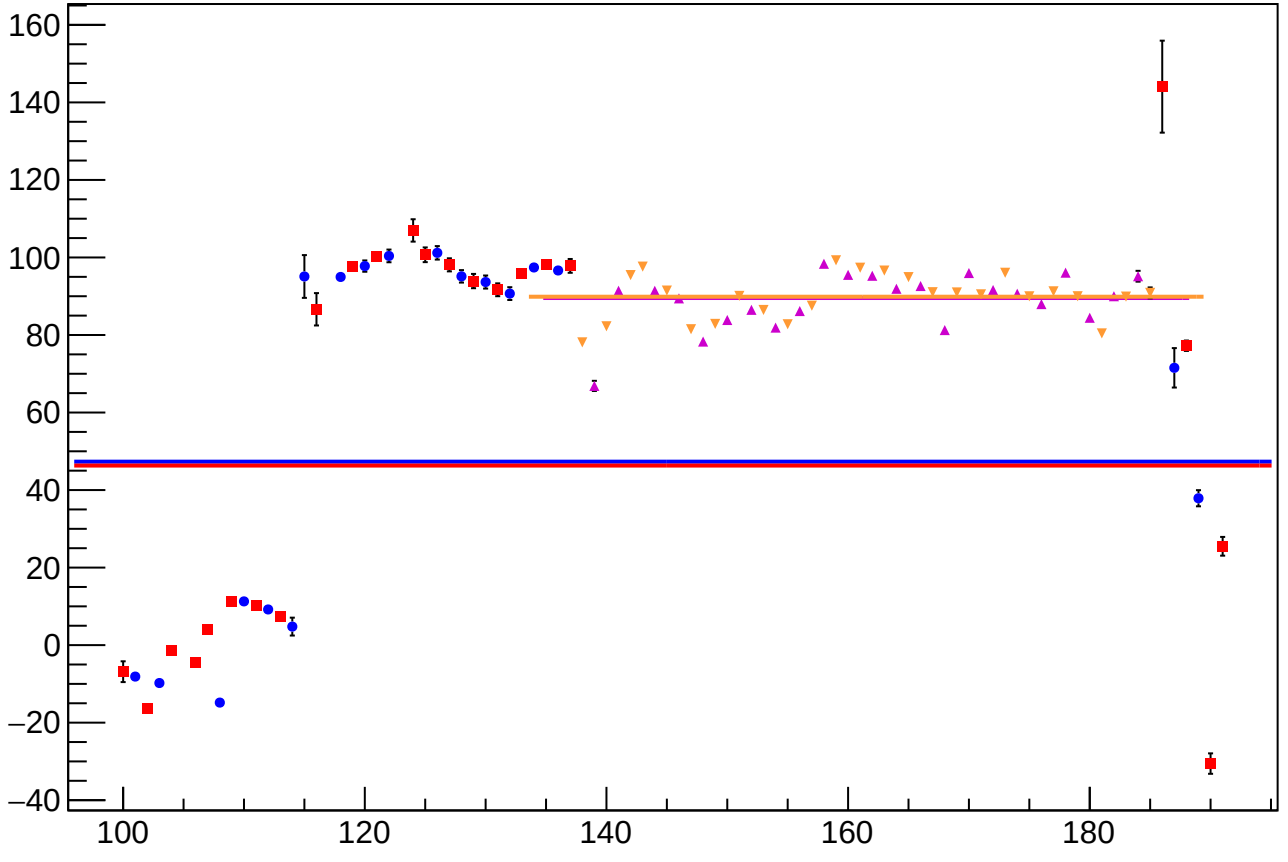
Left In: 14.146+/-0.211 χ^2/NDF:2541.2/22

+ sign 10.453+/-0.161 χ^2/NDF: 4216.9/42

All: 9.543+/-0.110 χ^2/NDF: 8799.6/88

- sign 8.738+/-0.151 χ^2/NDF: 4522.3/45

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: 46.318+/-0.275 χ^2/NDF: 30423.7/22

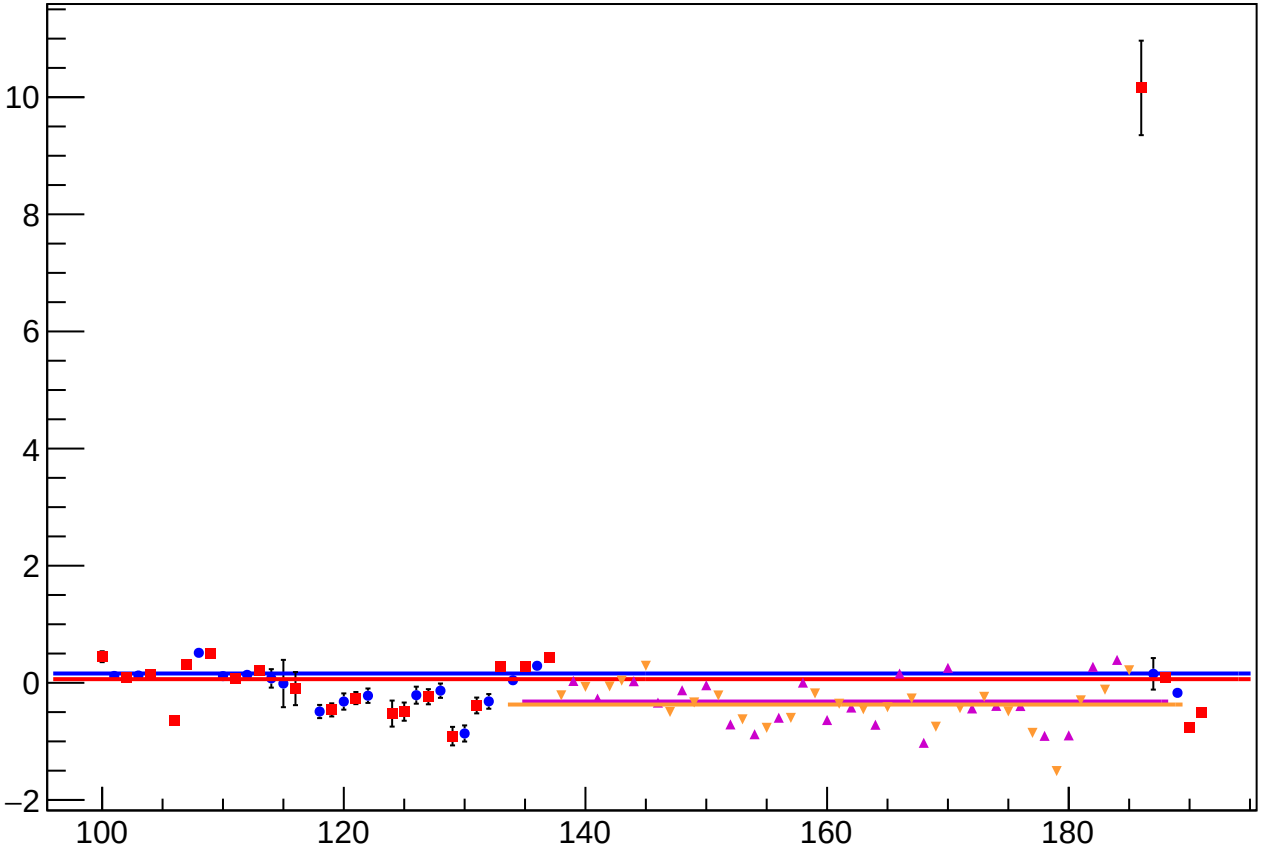
Left In: 89.541+/-0.188 χ^2/NDF:1095.3/22

+ sign 78.747+/-0.156 χ^2/NDF: 42444.4/42

All: 77.272+/-0.110 χ^2/NDF: 91018.9/88

- sign 75.810+/-0.155 χ^2/NDF: 48395.5/45

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: 0.063+/-0.013 χ^2/NDF: 887.9/22

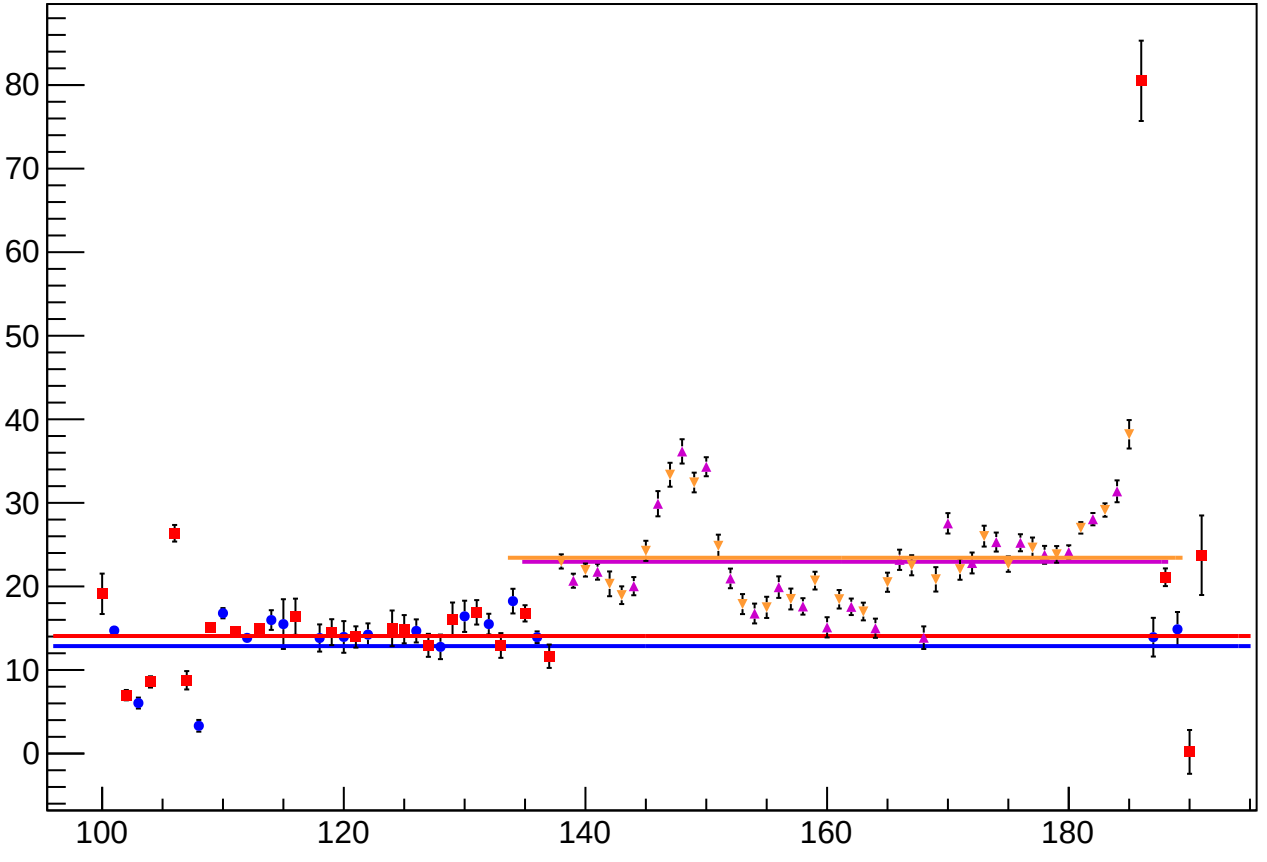
Left In: -0.319+/-0.008 χ^2/NDF:2441.1/22

+ sign -0.238+/-0.007 χ^2/NDF: 3151.8/42

All: -0.223+/-0.005 χ^2/NDF: 7132.0/88

- sign -0.209+/-0.007 χ^2/NDF: 3971.6/45

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: 14.065+/-0.199 χ^2/NDF: 673.6/22

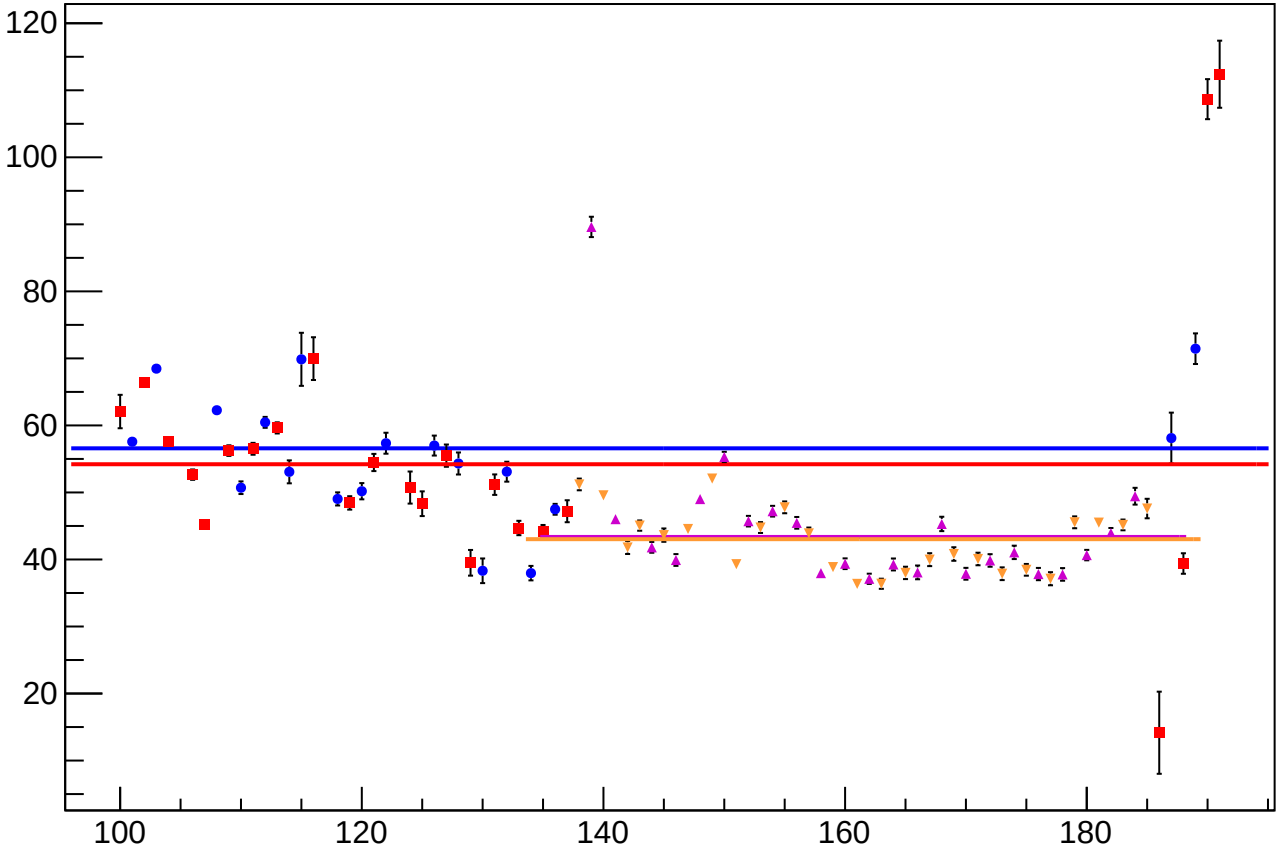
Left In: 22.949+/-0.225 χ^2/NDF:565.2/22

+ sign 18.050+/-0.151 χ^2/NDF: 2038.2/42

All: 18.008+/-0.106 χ^2/NDF: 4148.5/88

- sign 17.968+/-0.149 χ^2/NDF: 2110.1/45

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: 54.209+/-0.221 χ^2/NDF: 1610.7/22

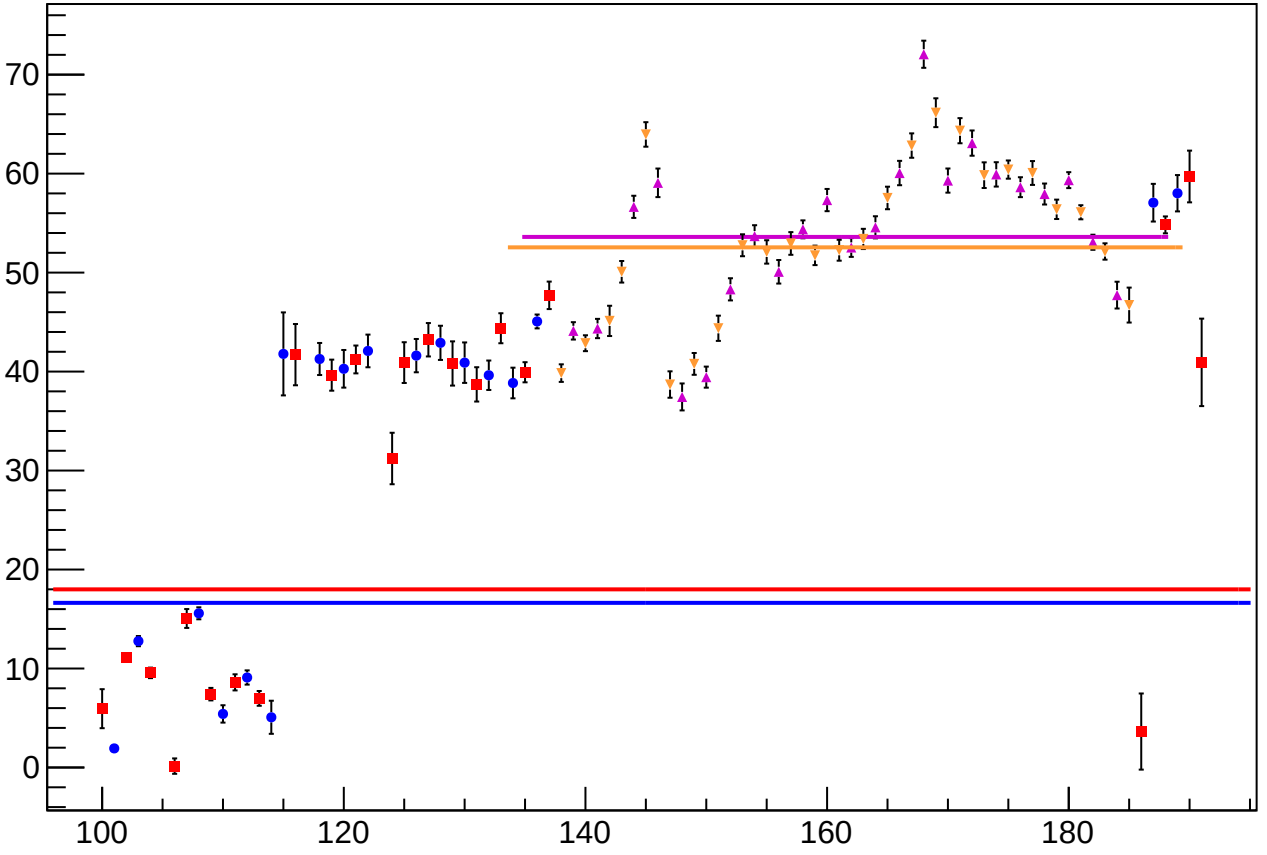
Left In: 43.361+/-0.177 χ^2/NDF:1683.3/22

+ sign 47.983+/-0.133 χ^2/NDF: 4311.1/42

All: 47.797+/-0.096 χ^2/NDF: 9075.0/88

- sign 47.598+/-0.138 χ^2/NDF: 4759.9/45

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: 17.997+/-0.211 χ^2/NDF: 6180.6/22

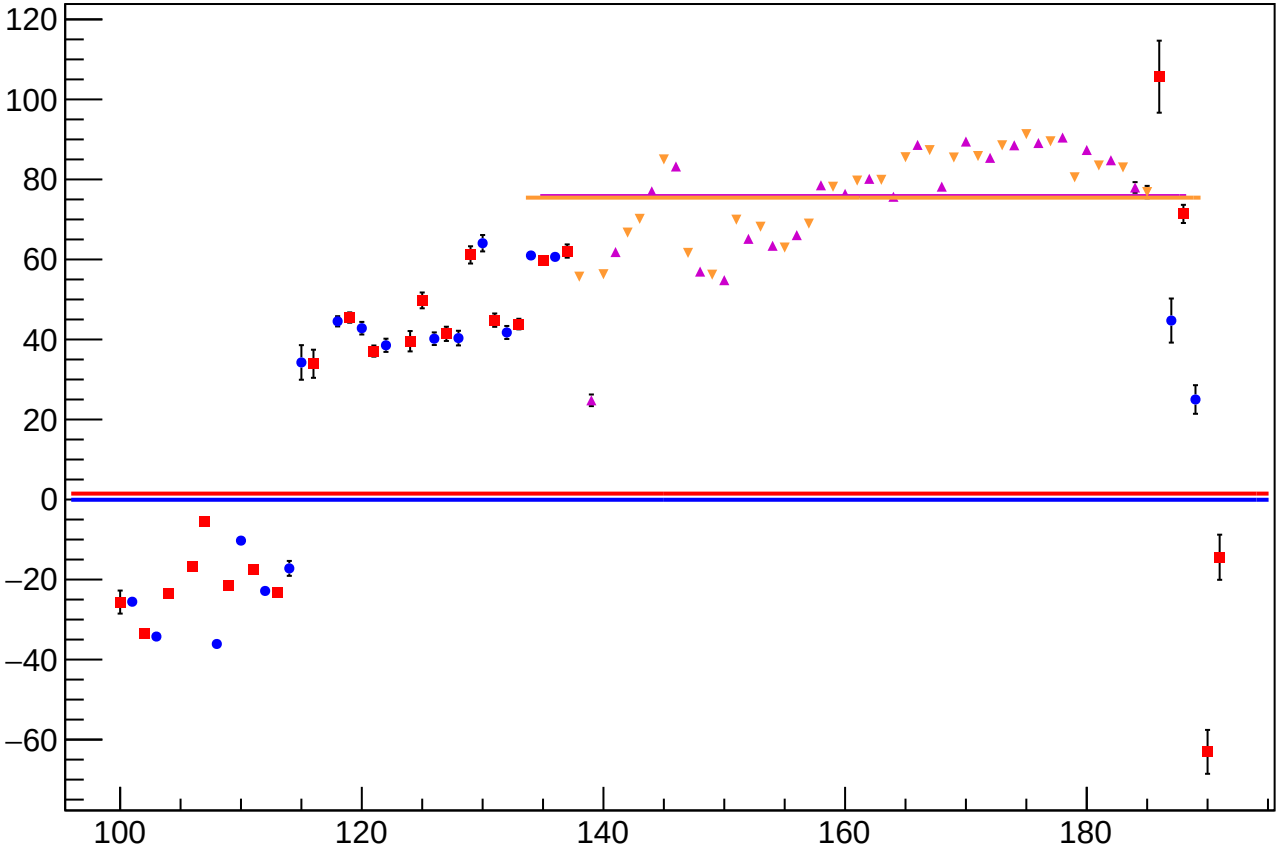
Left In: 53.605+/-0.223 χ^2/NDF:1015.9/22

+ sign 34.310+/-0.151 χ^2/NDF: 21573.9/42

All: 34.563+/-0.107 χ^2/NDF: 42235.0/88

- sign 34.826+/-0.153 χ^2/NDF: 20655.3/45

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: 1.480+/-0.261 χ^2/NDF: 17266.4/22

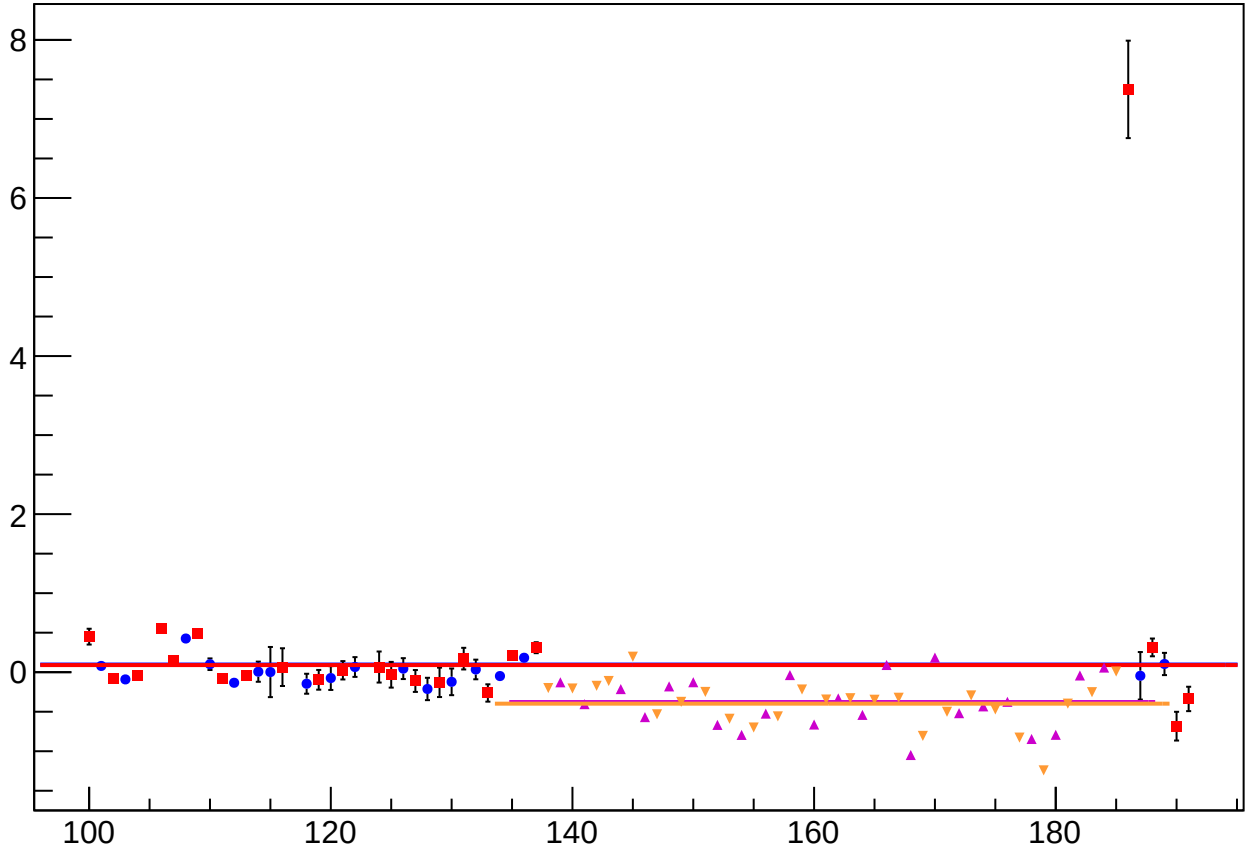
Left In: 75.844+/-0.197 χ^2/NDF:4265.6/22

+ sign 49.515+/-0.153 χ^2/NDF: 79818.3/42

All: 49.184+/-0.110 χ^2/NDF: 152985.7/88

- sign 48.831+/-0.157 χ^2/NDF: 73157.7/45

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: 0.090+/-0.011 χ^2/NDF: 568.8/22

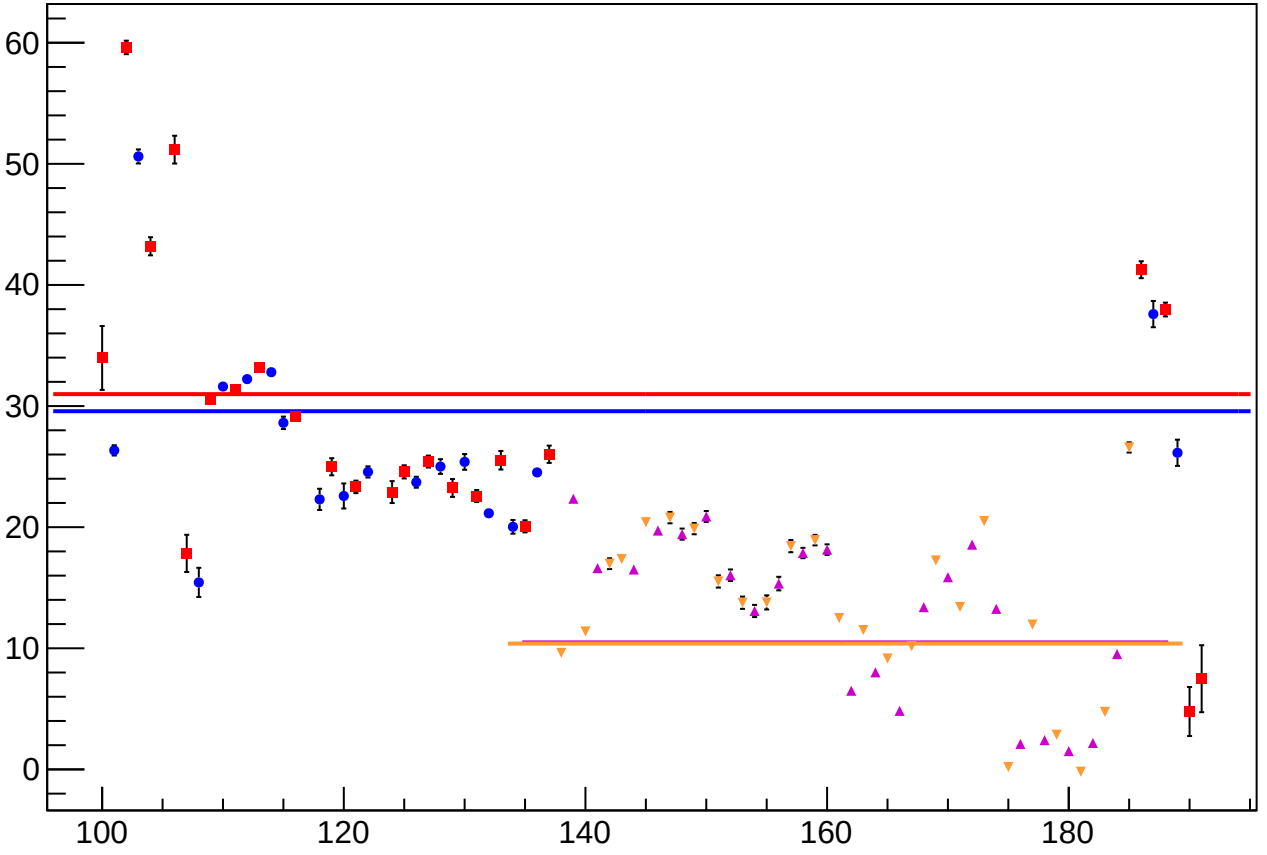
Left In: -0.378+/-0.009 χ^2/NDF:1351.5/22

+ sign -0.219+/-0.007 χ^2/NDF: 2583.5/42

All: -0.213+/-0.005 χ^2/NDF: 5592.9/88

- sign -0.206+/-0.007 χ^2/NDF: 3007.5/45

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: 30.985+/-0.079 χ^2/NDF: 5691.3/22

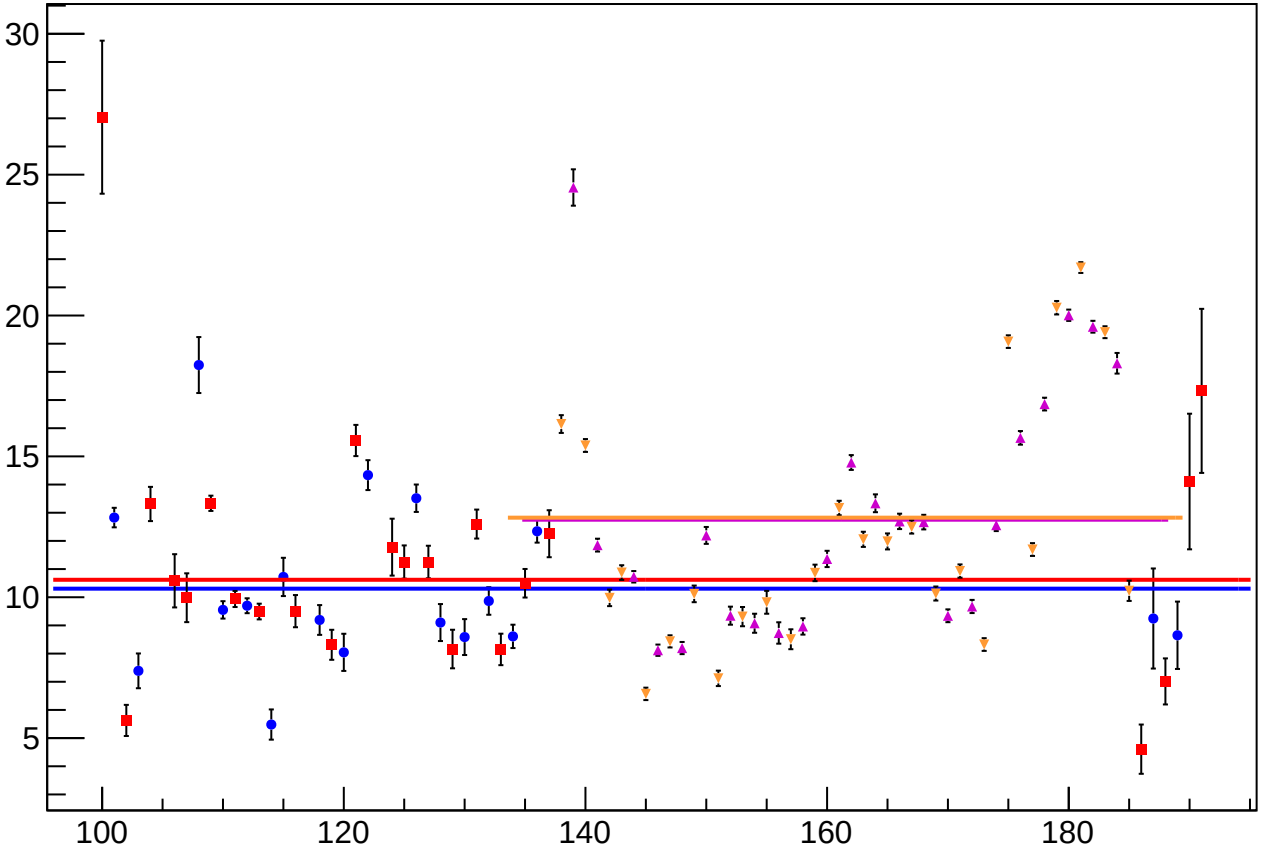
Left In: 10.488+/-0.067 χ^2/NDF:11498.1/22

+ sign 16.727+/-0.052 χ^2/NDF: 46797.7/42

All: 17.928+/-0.037 χ^2/NDF: 104395.2/88

- sign 19.060+/-0.051 χ^2/NDF: 56580.7/45

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: 10.620+/-0.111 χ^2/NDF: 491.7/22

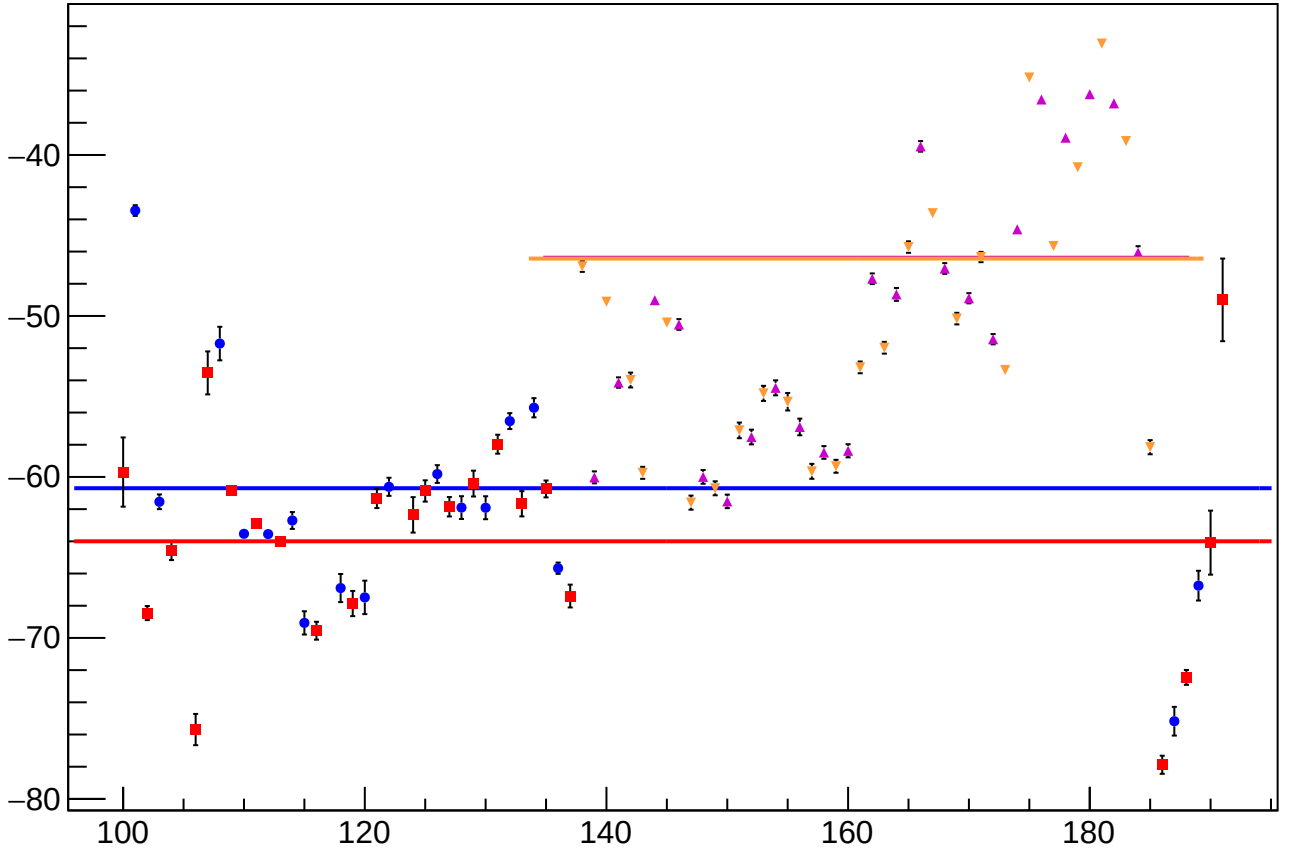
Left In: 12.752+/-0.053 χ^2/NDF:5502.5/22

+ sign 12.399+/-0.047 χ^2/NDF: 8833.2/42

All: 12.378+/-0.033 χ^2/NDF: 15129.9/88

- sign 12.356+/-0.048 χ^2/NDF: 6296.2/45

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: -63.997+/-0.102 χ^2/NDF: 1900.2/22

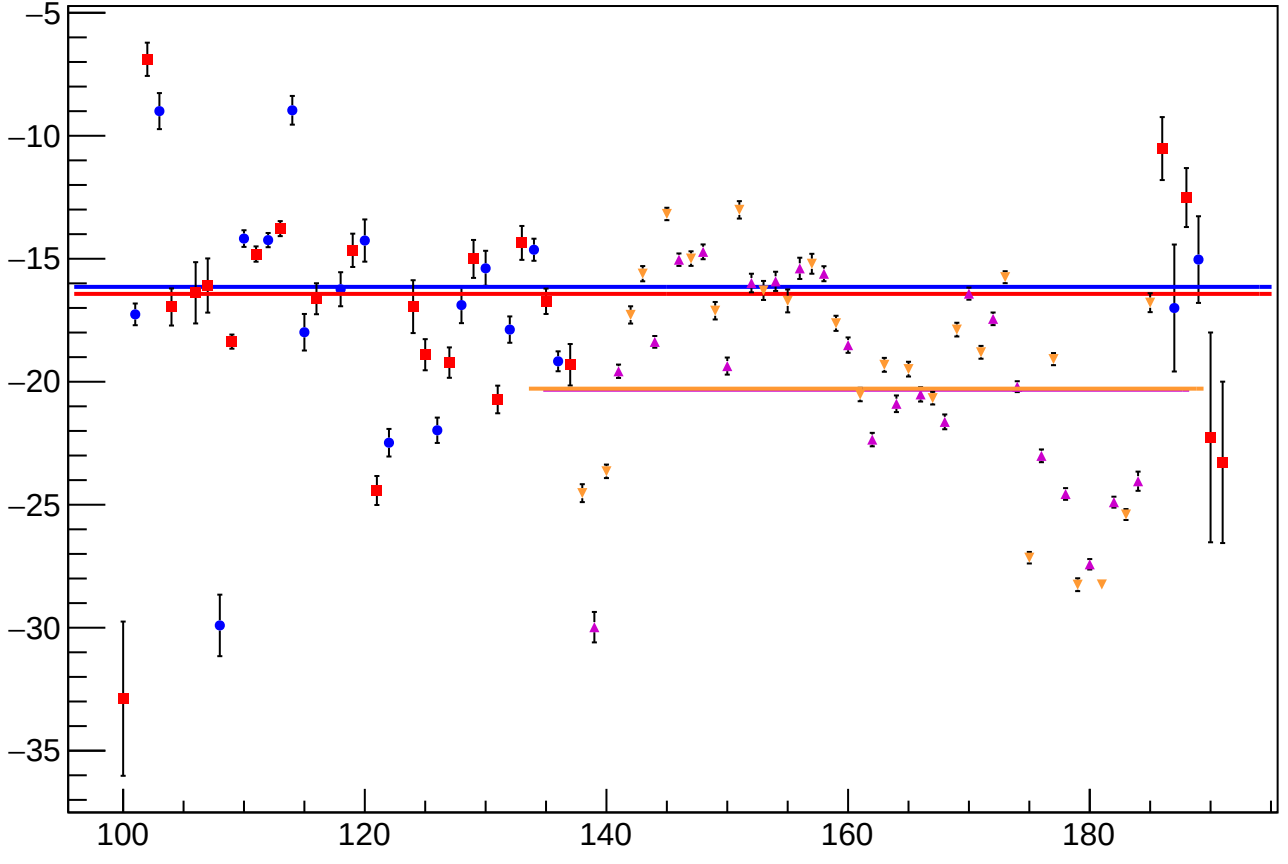
Left In: -46.383+/-0.067 χ^2/NDF:15080.6/22

+ sign -50.015+/-0.056 χ^2/NDF: 34388.4/42

All: -50.822+/-0.039 χ^2/NDF: 72518.0/88

- sign -51.634+/-0.056 χ^2/NDF: 37709.8/45

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: -16.429+/-0.123 χ^2/NDF: 723.3/22

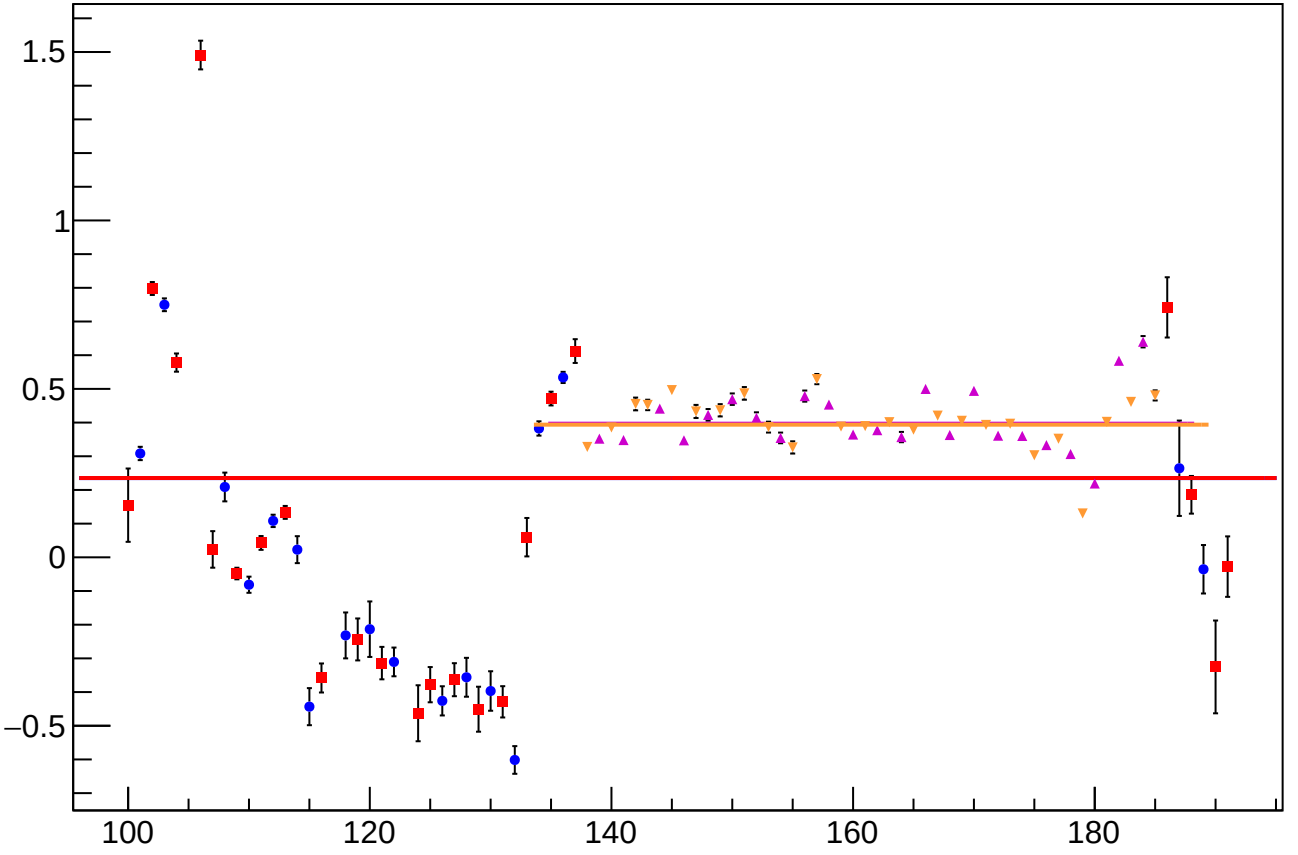
Left In: -20.324+/-0.059 χ^2/NDF:4272.7/22

+ sign -19.583+/-0.052 χ^2/NDF: 8703.9/42

All: -19.590+/-0.037 χ^2/NDF: 14512.4/88

- sign -19.596+/-0.053 χ^2/NDF: 5808.4/45

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: 0.235+/-0.007 χ^2/NDF: 3653.1/22

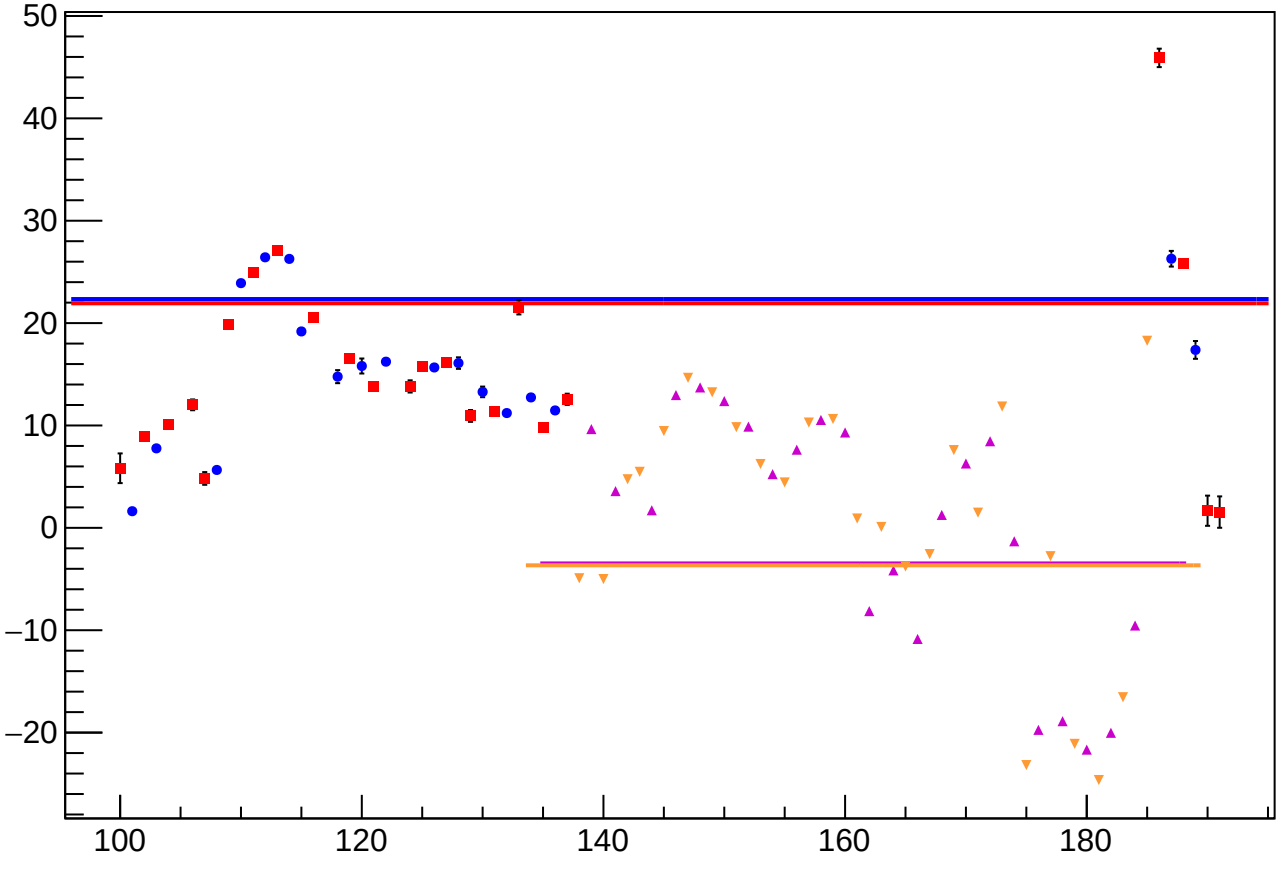
Left In: 0.397+/-0.003 χ^2/NDF:1295.7/22

\+ sign 0.375+/-0.002 χ^2/NDF: 4044.2/42

All: 0.376+/-0.002 χ^2/NDF: 9460.2/88

\- sign 0.377+/-0.002 χ^2/NDF: 5415.7/45

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: 21.934+/-0.046 χ^2/NDF: 11859.7/22

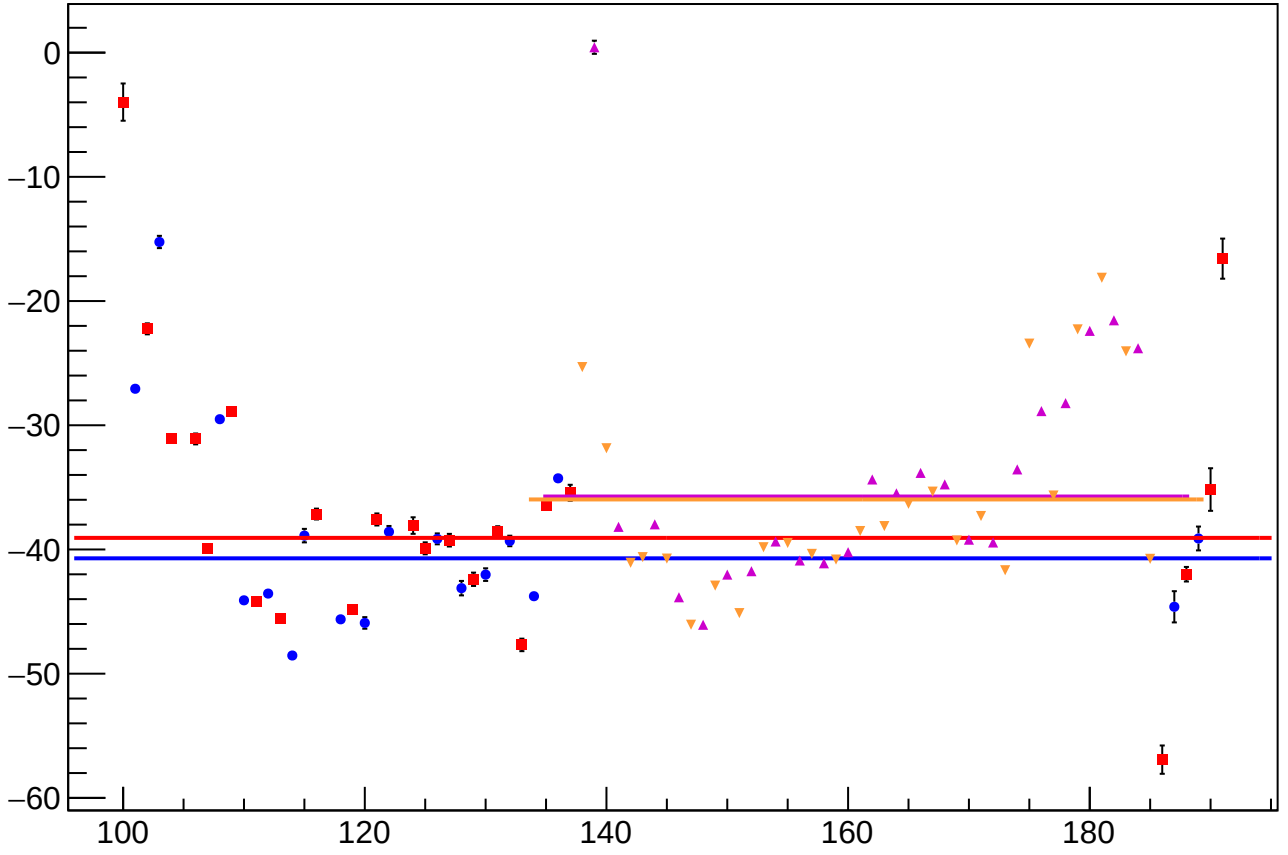
Left In: -3.475+/-0.057 χ^2/NDF:45103.9/22

+ sign 8.935+/-0.039 χ^2/NDF: 179286.0/42

All: 10.618+/-0.026 χ^2/NDF: 359144.1/88

- sign 12.028+/-0.036 χ^2/NDF: 176465.4/45

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: -39.067+/-0.070 χ^2/NDF: 10571.4/22

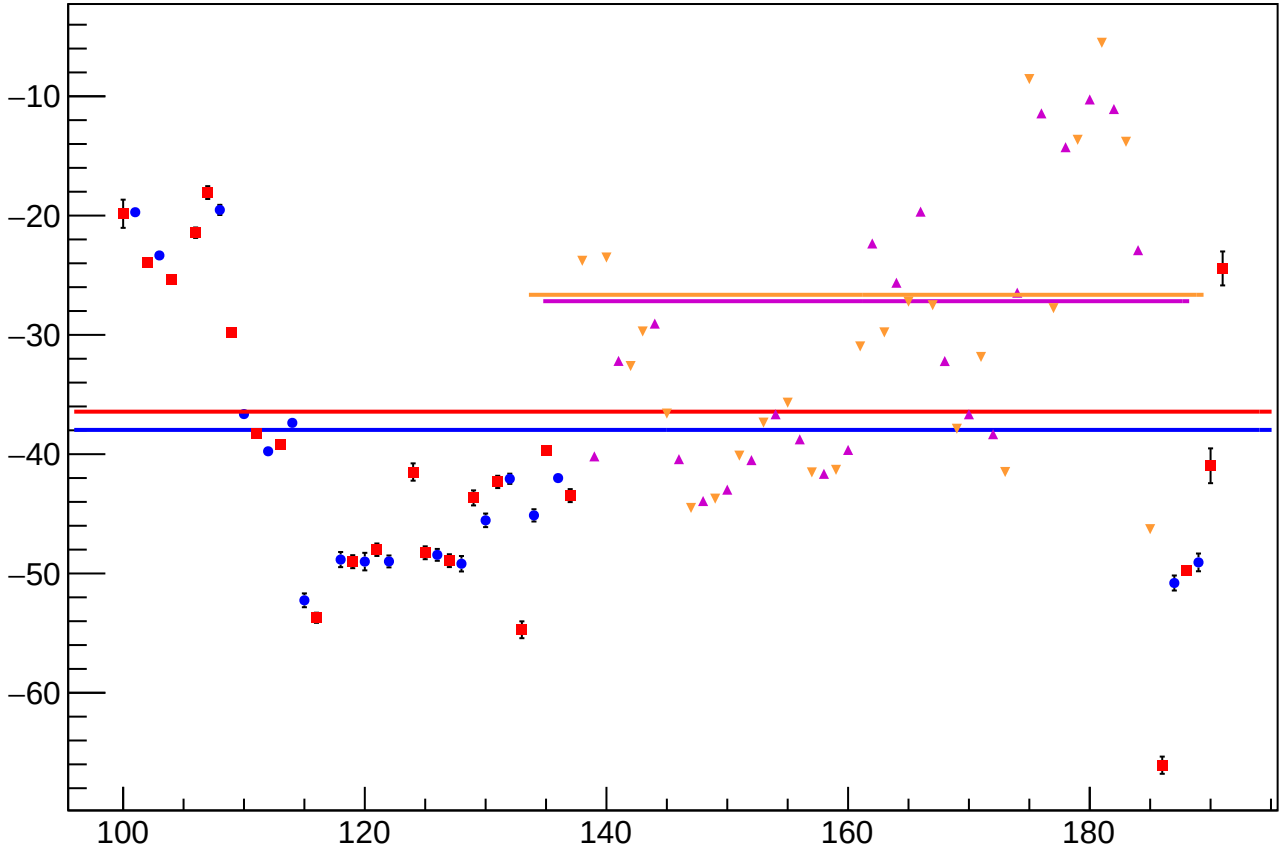
Left In: -35.737+/-0.045 χ^2/NDF:27154.8/22

+ sign -37.097+/-0.037 χ^2/NDF: 44361.7/42

All: -36.904+/-0.026 χ^2/NDF: 83736.8/88

- sign -36.704+/-0.038 χ^2/NDF: 39320.0/45

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: -36.436+/-0.063 χ^2/NDF: 16790.7/22

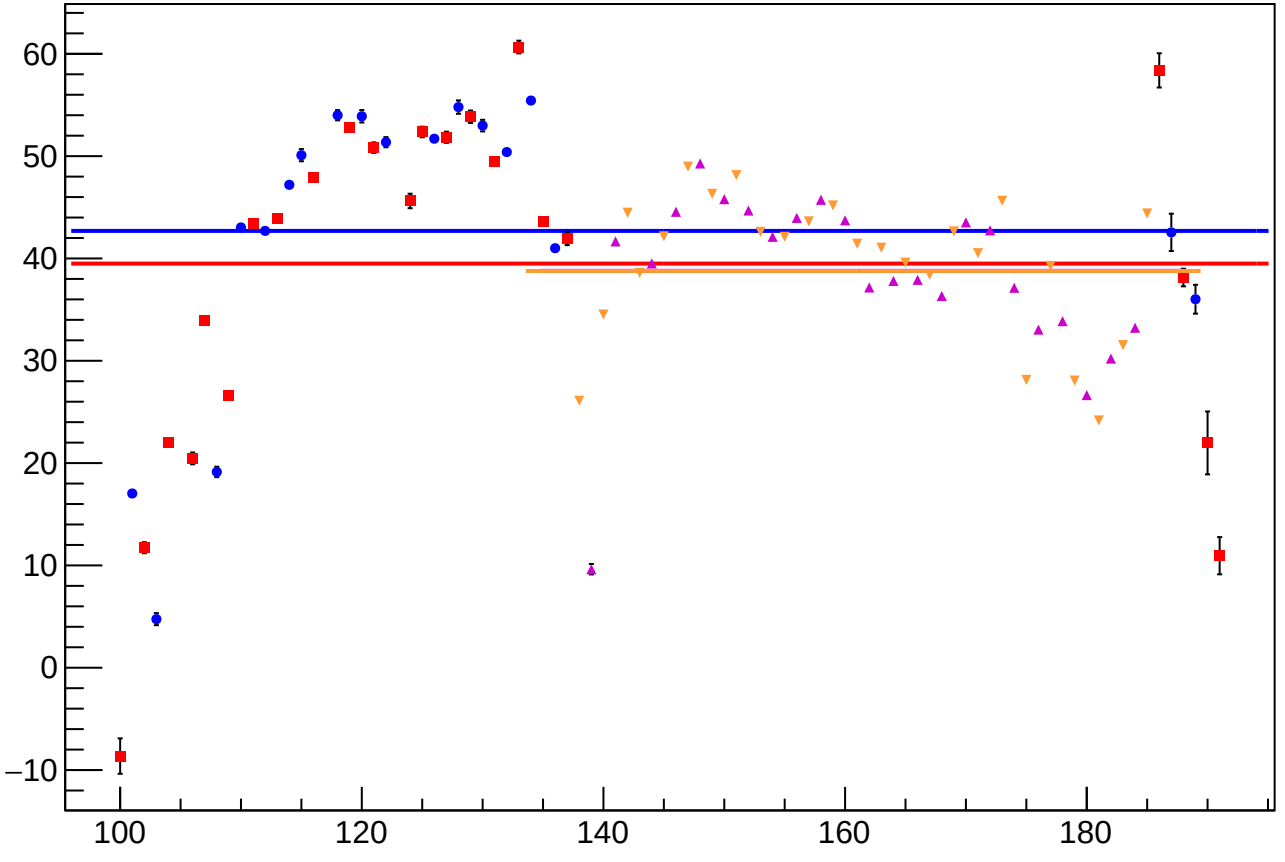
Left In: -27.176+/-0.057 χ^2/NDF:40990.1/22

+ sign -30.708+/-0.044 χ^2/NDF: 77027.9/42

All: -31.054+/-0.030 χ^2/NDF: 146811.5/88

- sign -31.378+/-0.042 χ^2/NDF: 69662.4/45

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: 39.499+/-0.078 χ^2/NDF: 18387.0/22

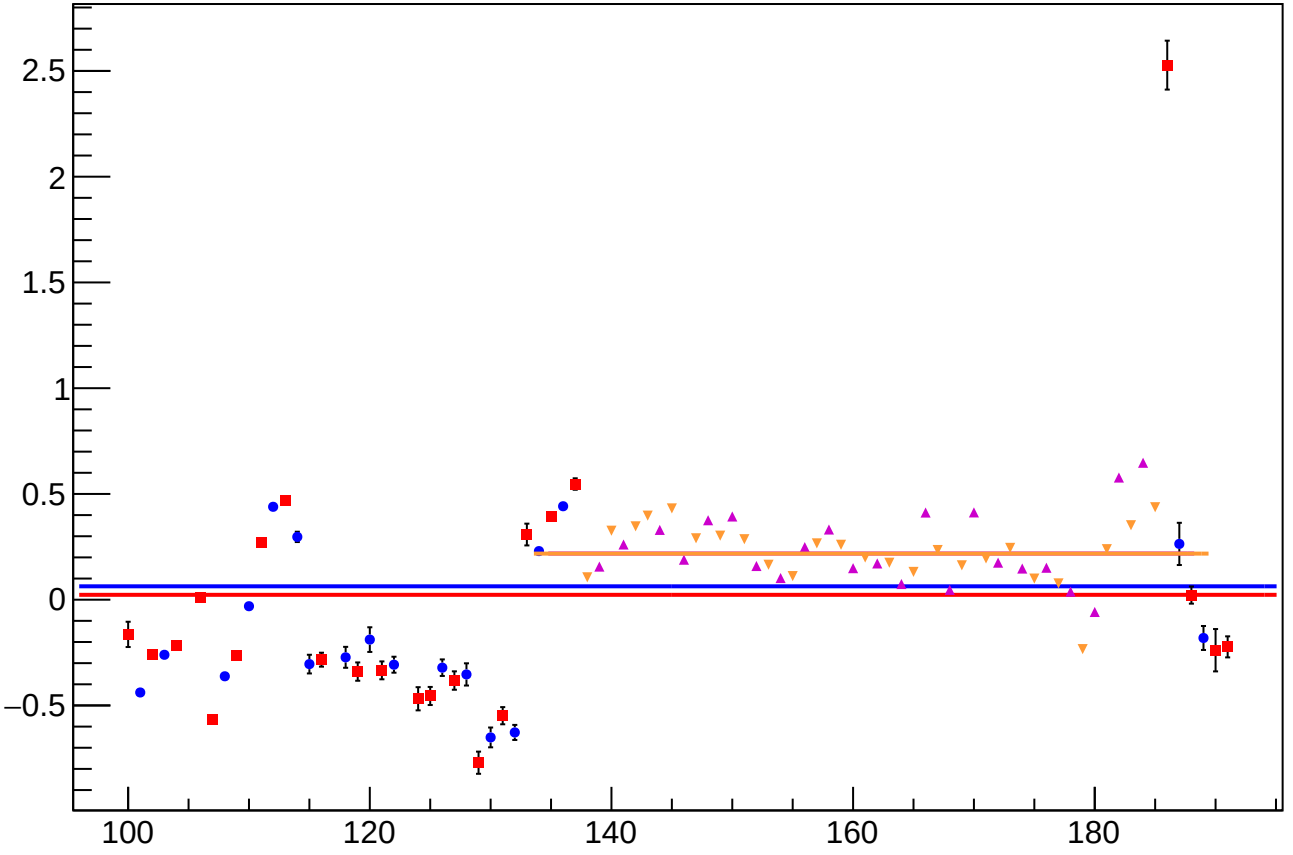
Left In: 38.791+/-0.050 χ^2/NDF:16240.7/22

+ sign 39.719+/-0.042 χ^2/NDF: 37477.6/42

All: 39.364+/-0.030 χ^2/NDF: 72311.3/88

- sign 39.000+/-0.042 χ^2/NDF: 34686.3/45

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: 0.023+/-0.004 χ^2/NDF: 6905.6/22

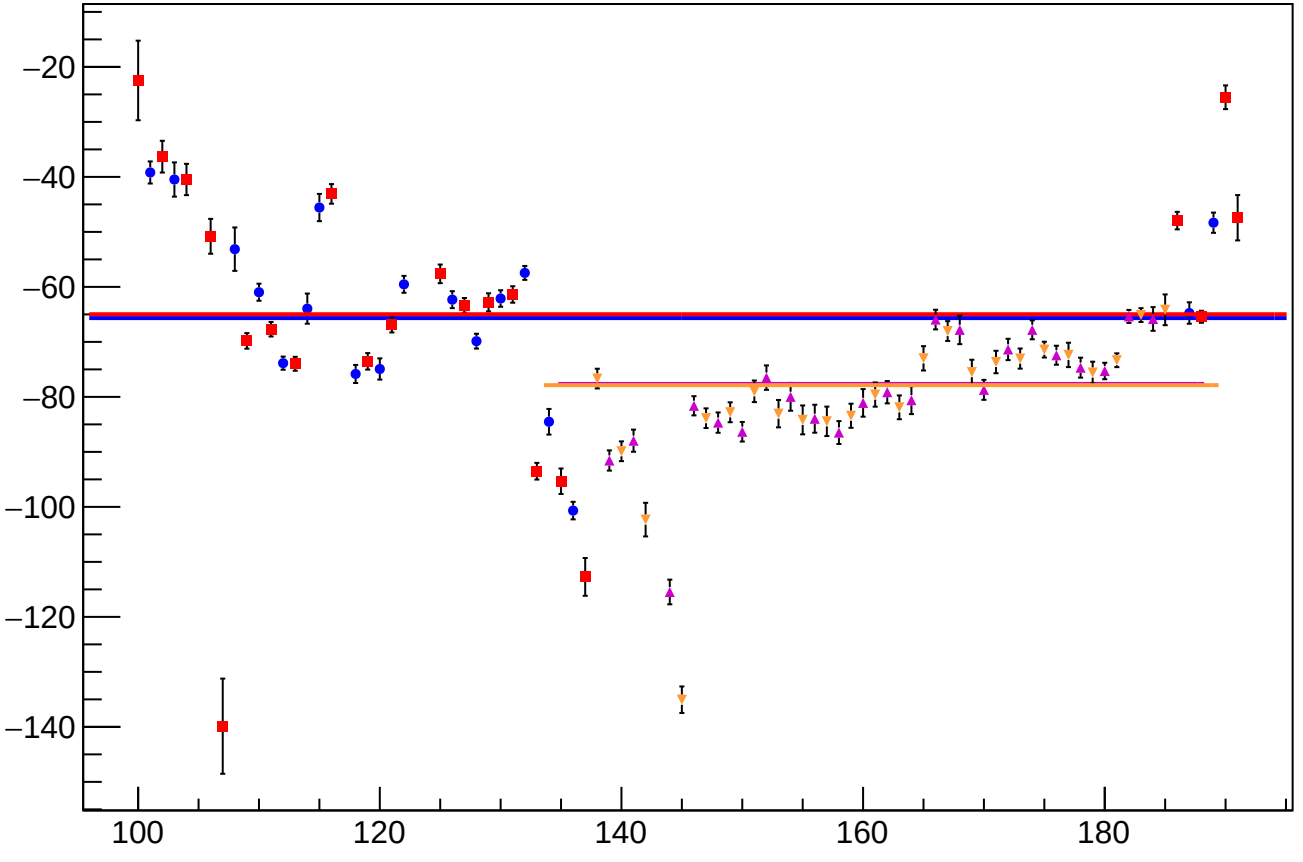
Left In: 0.218+/-0.002 χ^2/NDF:5312.2/22

+ sign 0.192+/-0.002 χ^2/NDF: 10453.9/42

All: 0.185+/-0.001 χ^2/NDF: 24303.0/88

- sign 0.177+/-0.002 χ^2/NDF: 13821.0/45

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: -64.971+/-0.373 χ^2/NDF: 1766.3/21

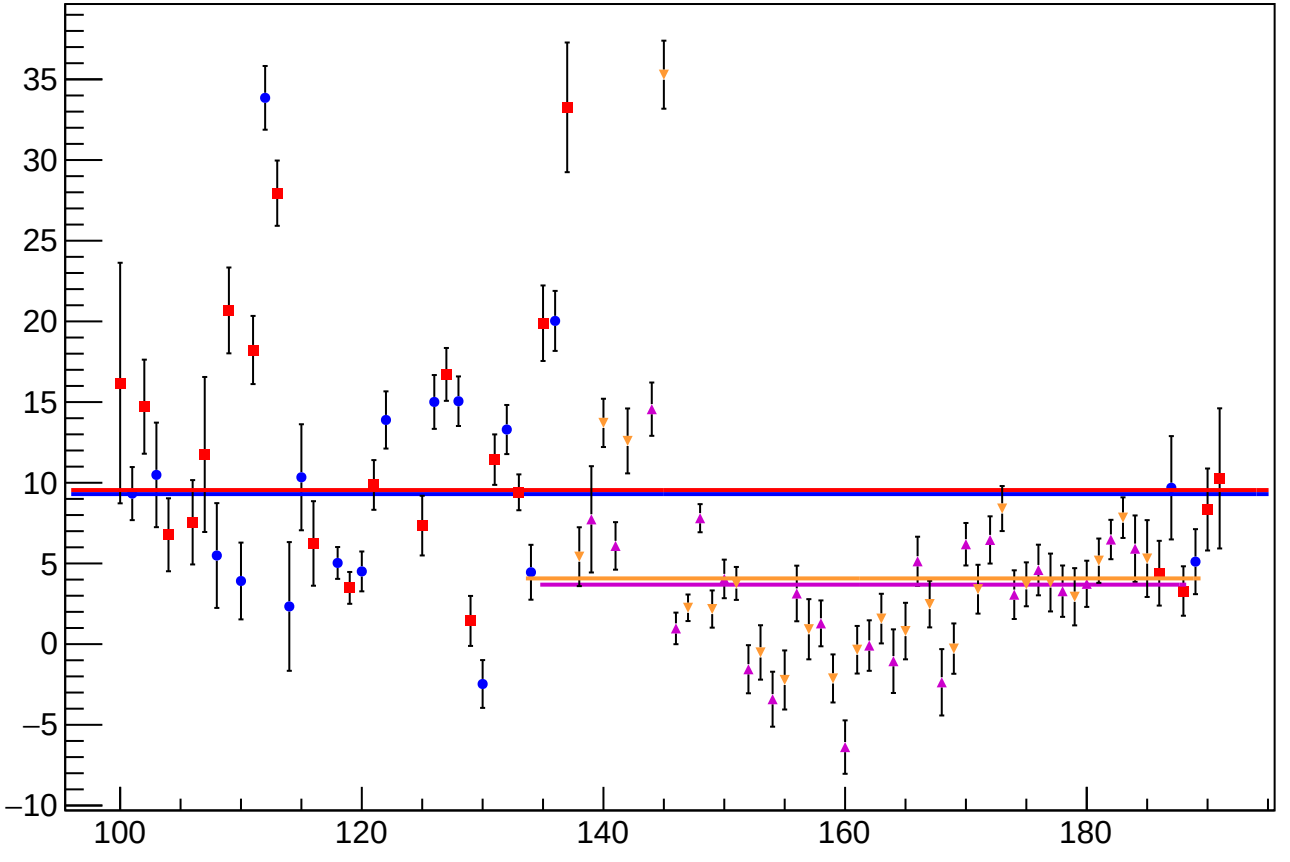
Left In: -77.643+/-0.396 χ^2/NDF:693.3/22

+ sign -71.951+/-0.283 χ^2/NDF: 2543.7/41

All: -71.415+/-0.196 χ^2/NDF: 5552.3/86

- sign -70.920+/-0.272 χ^2/NDF: 3001.6/44

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: 9.548+/-0.403 χ^2/NDF: 290.1/21

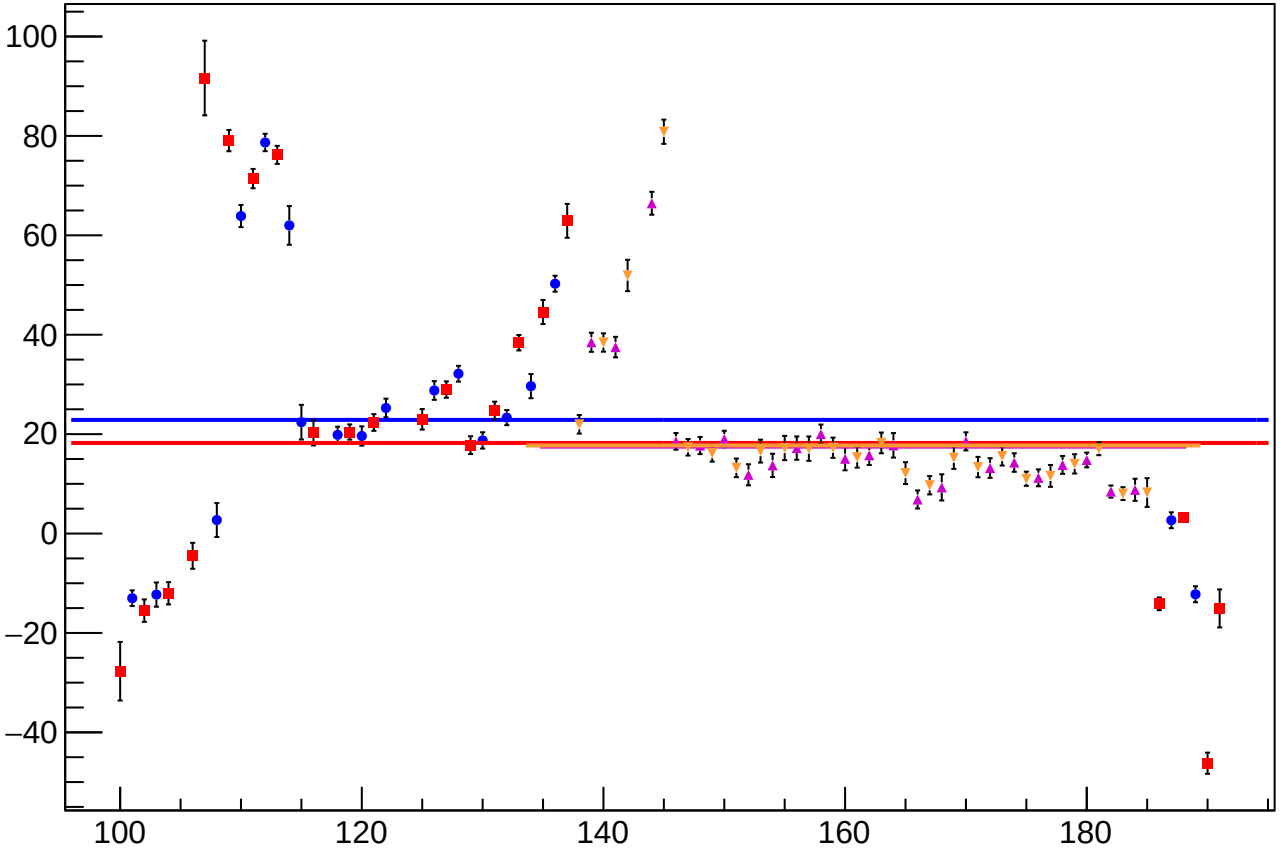
Left In: 3.686+/-0.302 χ^2/NDF:182.6/22

+ sign 5.839+/-0.241 χ^2/NDF: 821.8/41

All: 5.815+/-0.171 χ^2/NDF: 1430.1/86

- sign 5.790+/-0.242 χ^2/NDF: 608.2/44

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: 18.228+/-0.396 χ^2/NDF: 5657.9/21

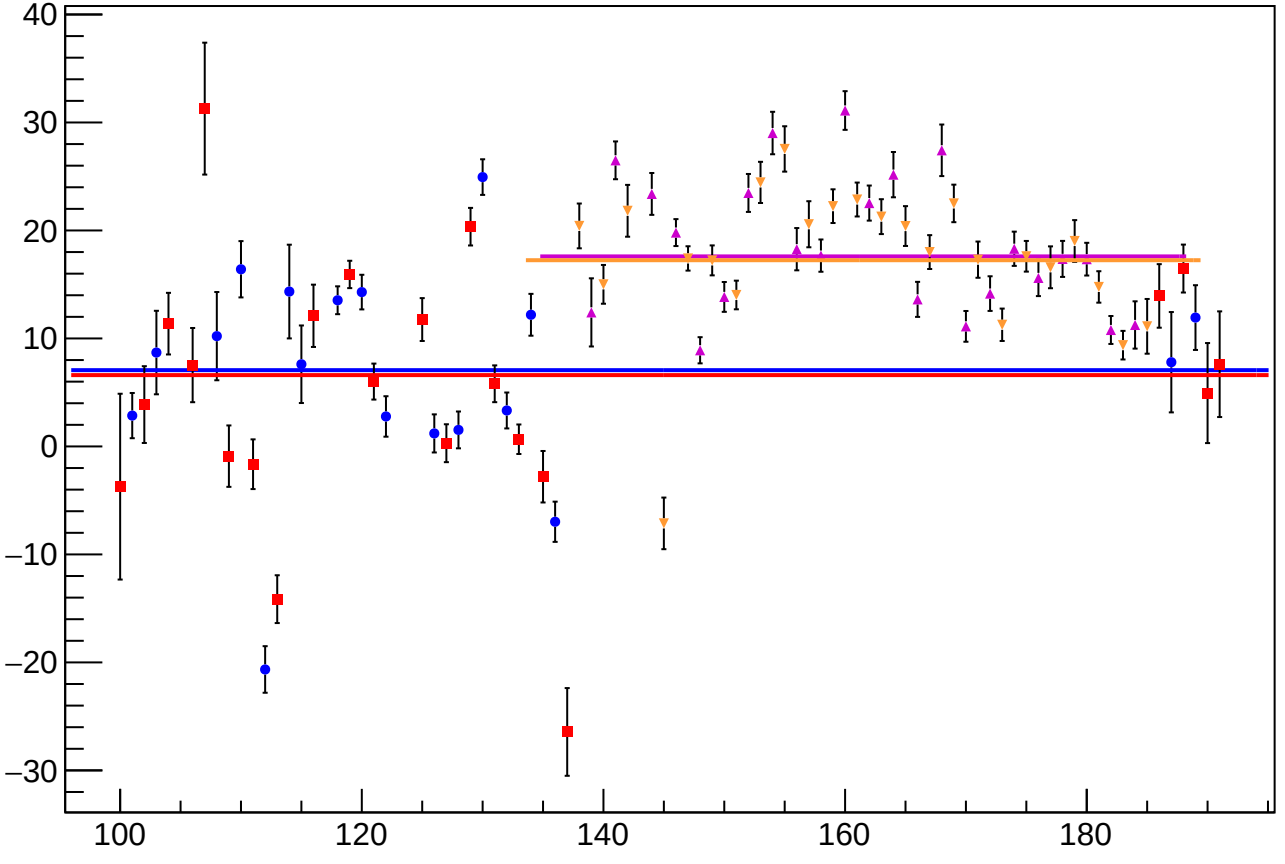
Left In: 17.491+/-0.393 χ^2/NDF:820.7/22

+ sign 19.972+/-0.293 χ^2/NDF: 4350.1/41

All: 18.860+/-0.202 χ^2/NDF: 10857.7/86

- sign 17.857+/-0.279 χ^2/NDF: 6480.4/44

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: 6.605+/-0.478 χ^2/NDF: 395.8/21

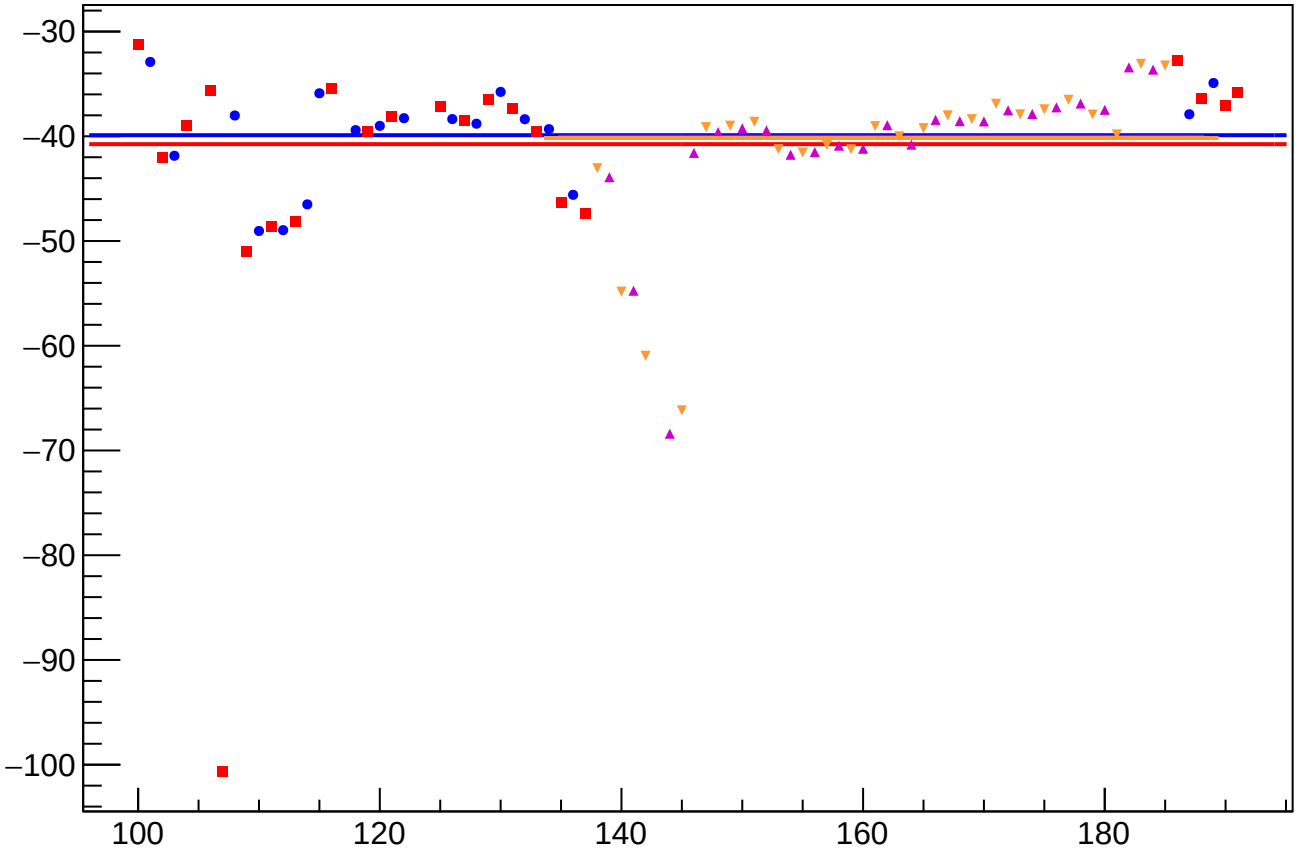
Left In: 17.597+/-0.342 χ^2/NDF:309.7/22

+ sign 13.926+/-0.278 χ^2/NDF: 1003.5/41

All: 13.898+/-0.197 χ^2/NDF: 2058.7/86

- sign 13.871+/-0.278 χ^2/NDF: 1055.2/44

reg_asym_usl_diff_bpm12X_slope vs Slug



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: -40.752+/-0.029 χ^2/NDF: 65427.5/21

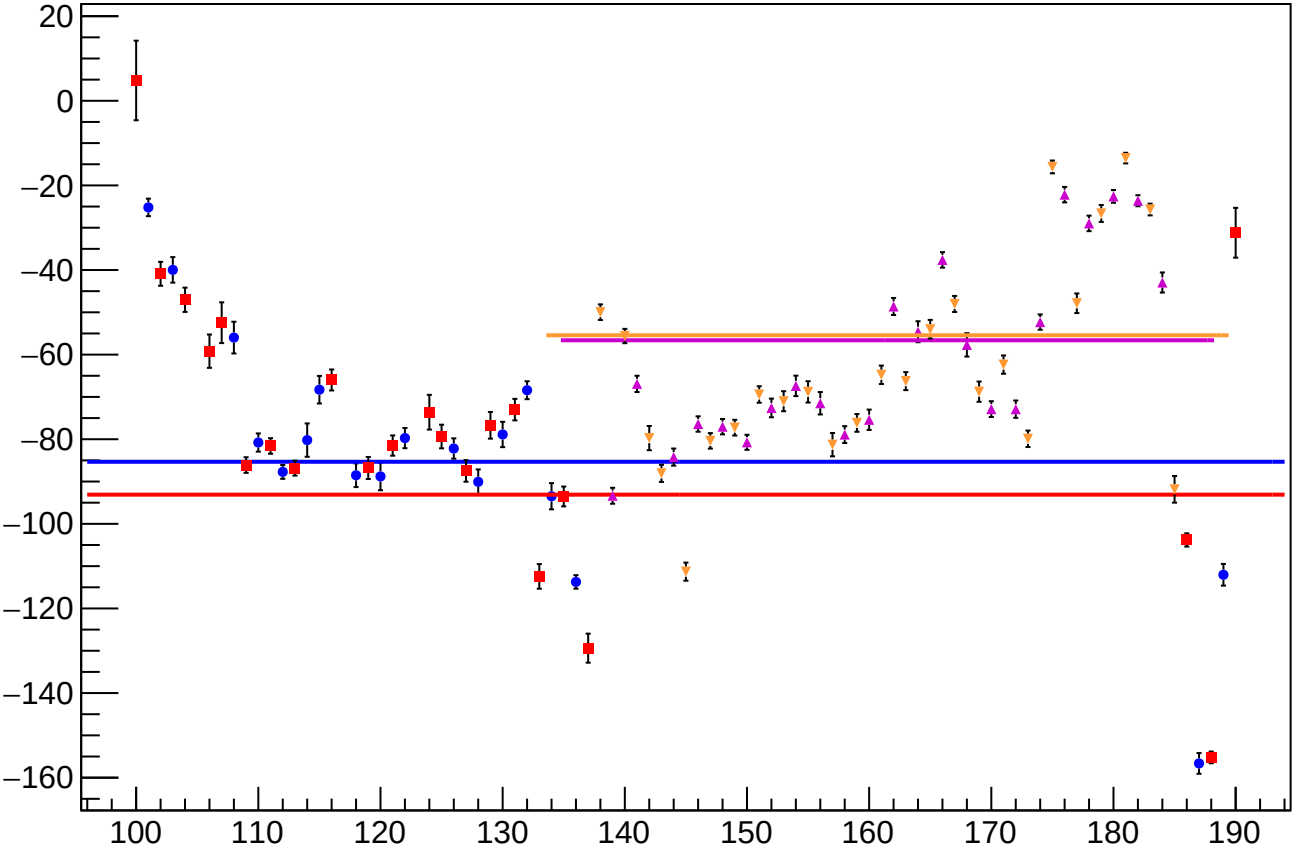
Left In: -40.050+/-0.015 χ^2/NDF:136438.5/22

+ sign -40.109+/-0.014 χ^2/NDF: 186136.2/41

All: -40.157+/-0.010 χ^2/NDF: 388486.9/86

- sign -40.205+/-0.014 χ^2/NDF: 202325.9/44

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: -93.100+/-0.520 χ^2/NDF: 3539.3/21

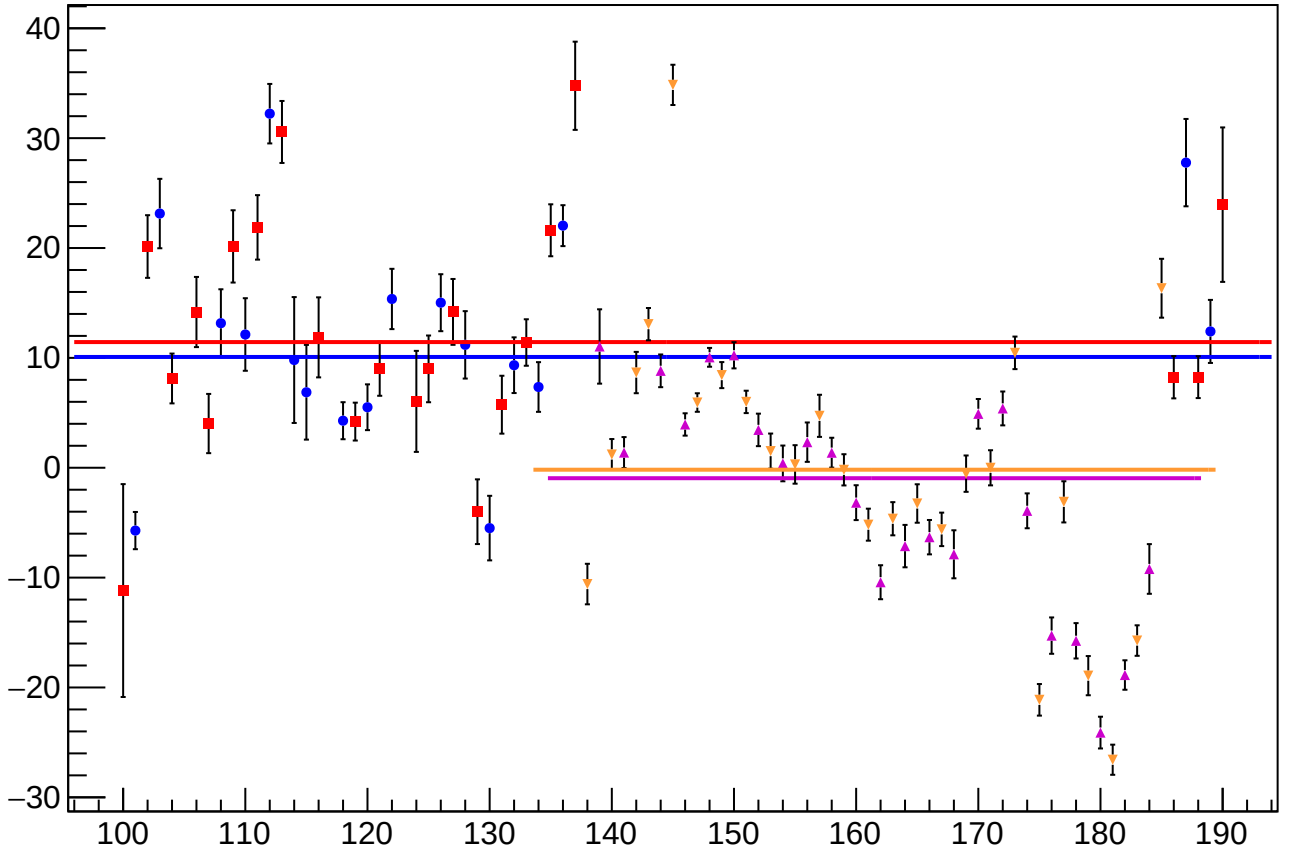
Left In: -56.609+/-0.404 χ^2/NDF:3350.3/22

+ sign -64.894+/-0.325 χ^2/NDF: 8879.9/42

All: -67.672+/-0.228 χ^2/NDF: 18987.7/87

- sign -70.345+/-0.319 χ^2/NDF: 9964.5/44

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: 11.439+/-0.574 χ^2/NDF: 205.5/21

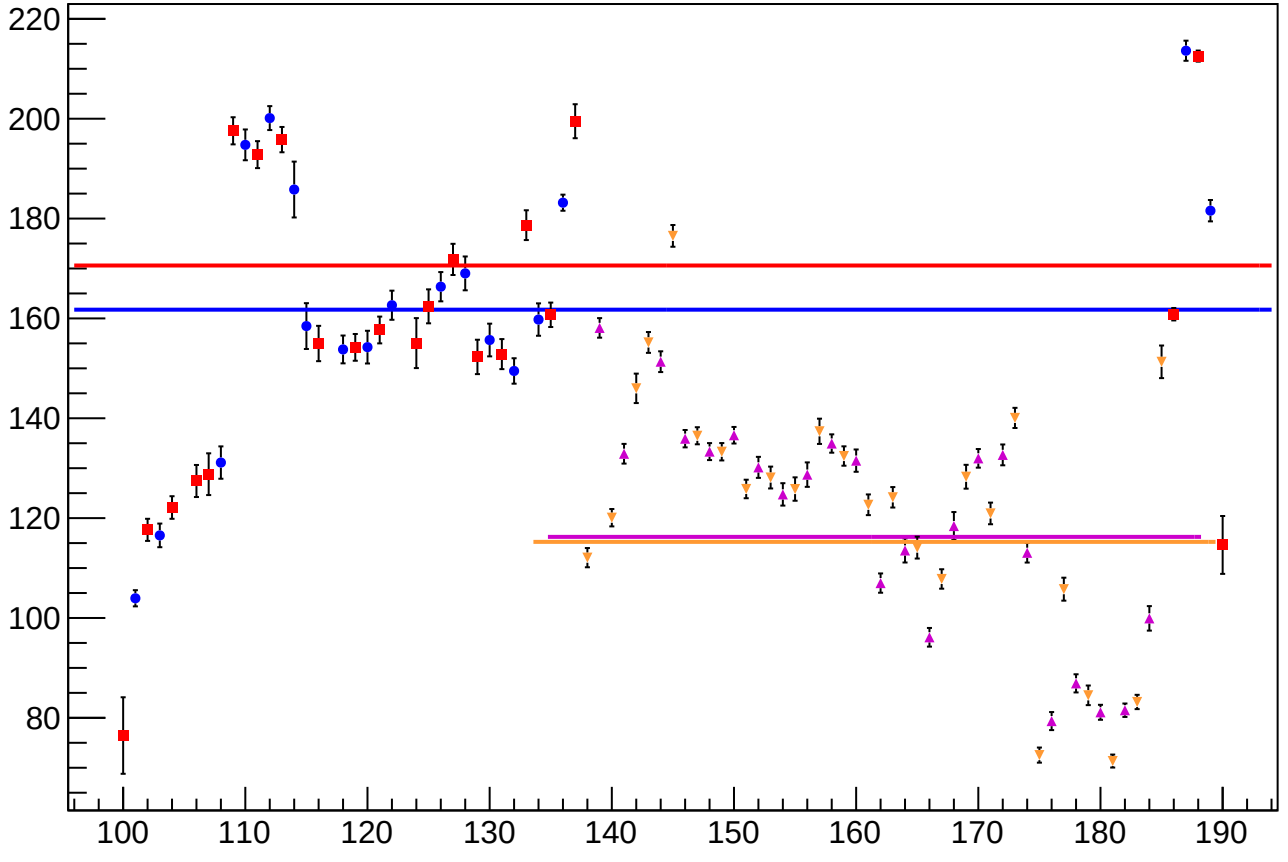
Left In: -0.952+/-0.304 χ^2/NDF:1069.6/22

+ sign 1.808+/-0.264 χ^2/NDF: 2122.6/42

All: 1.785+/-0.188 χ^2/NDF: 3761.2/87

- sign 1.761+/-0.269 χ^2/NDF: 1638.6/44

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: 170.598+/-0.525 χ^2/NDF: 3563.8/21

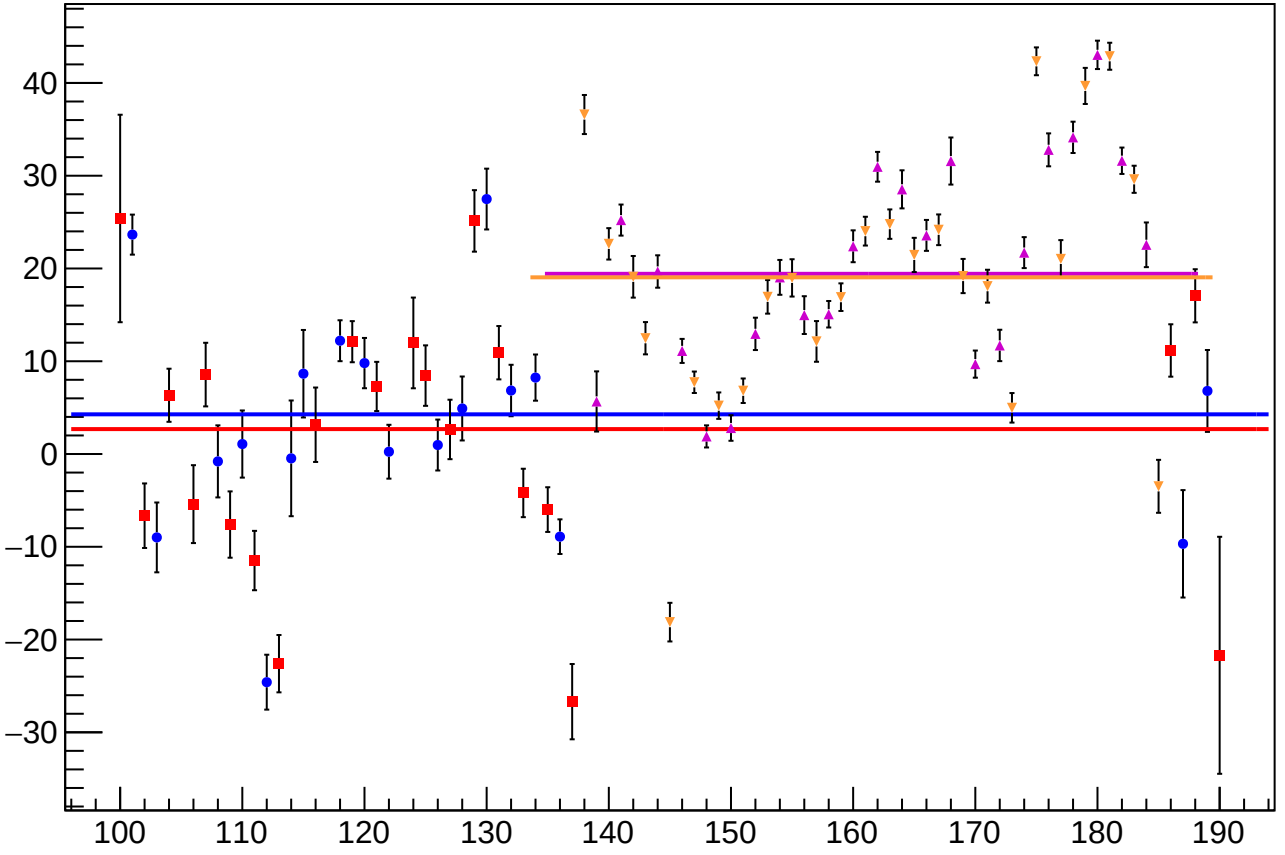
Left In: 116.246+/-0.399 χ^2/NDF:3637.3/22

+ sign 128.971+/-0.328 χ^2/NDF: 12117.4/42

All: 132.678+/-0.228 χ^2/NDF: 26360.8/87

- sign 136.163+/-0.318 χ^2/NDF: 13995.2/44

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: 2.686+/-0.687 χ^2/NDF: 306.5/21

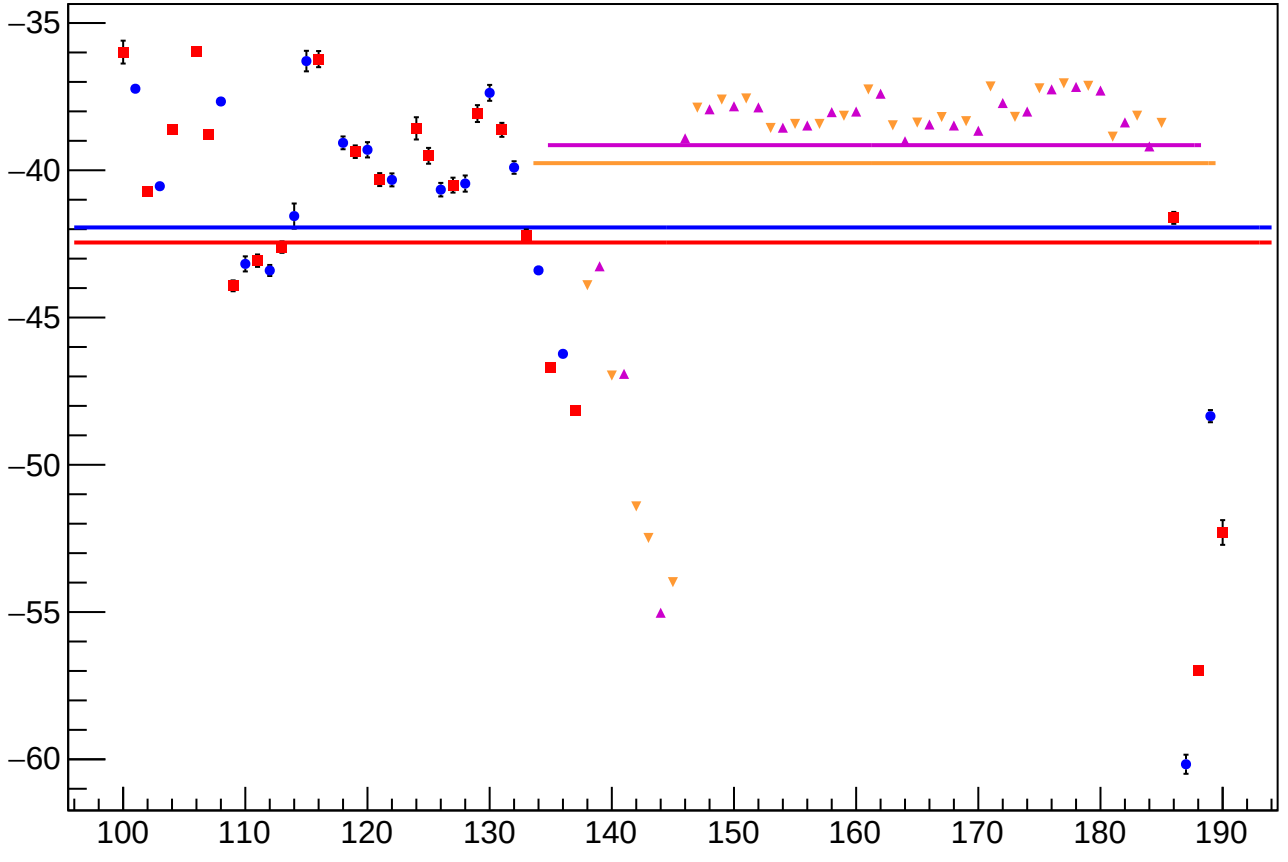
Left In: 19.425+/-0.346 χ^2/NDF:1077.2/22

+ sign 16.277+/-0.303 χ^2/NDF: 2230.0/42

All: 16.160+/-0.216 χ^2/NDF: 4088.2/87

- sign 16.039+/-0.309 χ^2/NDF: 1857.9/44

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: -42.452+/-0.037 χ^2/NDF: 18426.2/21

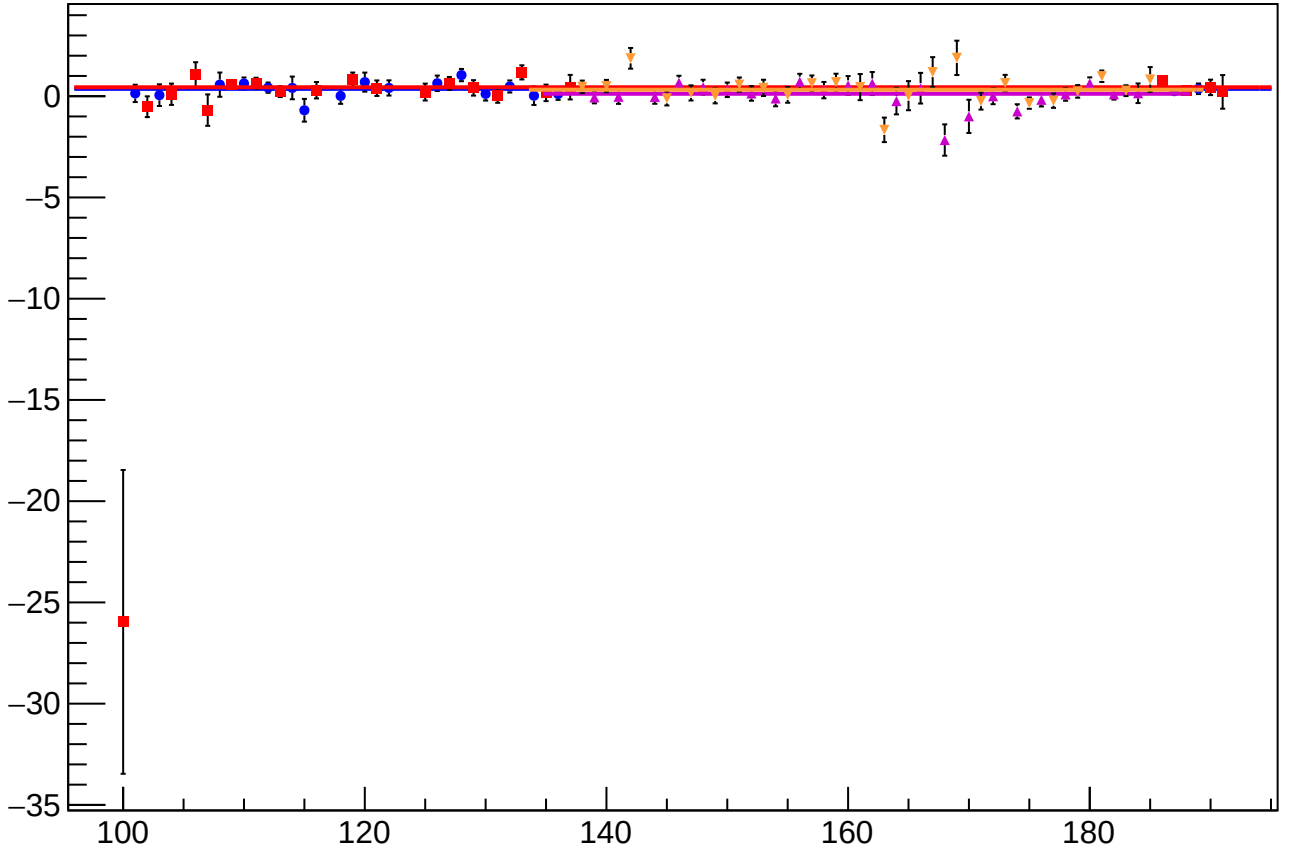
Left In: -39.147+/-0.016 χ^2/NDF:46907.5/22

+ sign -40.078+/-0.014 χ^2/NDF: 96980.8/42

All: -39.860+/-0.010 χ^2/NDF: 169425.7/87

- sign -39.637+/-0.014 χ^2/NDF: 71969.8/44

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: 0.442+/-0.067 χ^2/NDF: 34.6/21

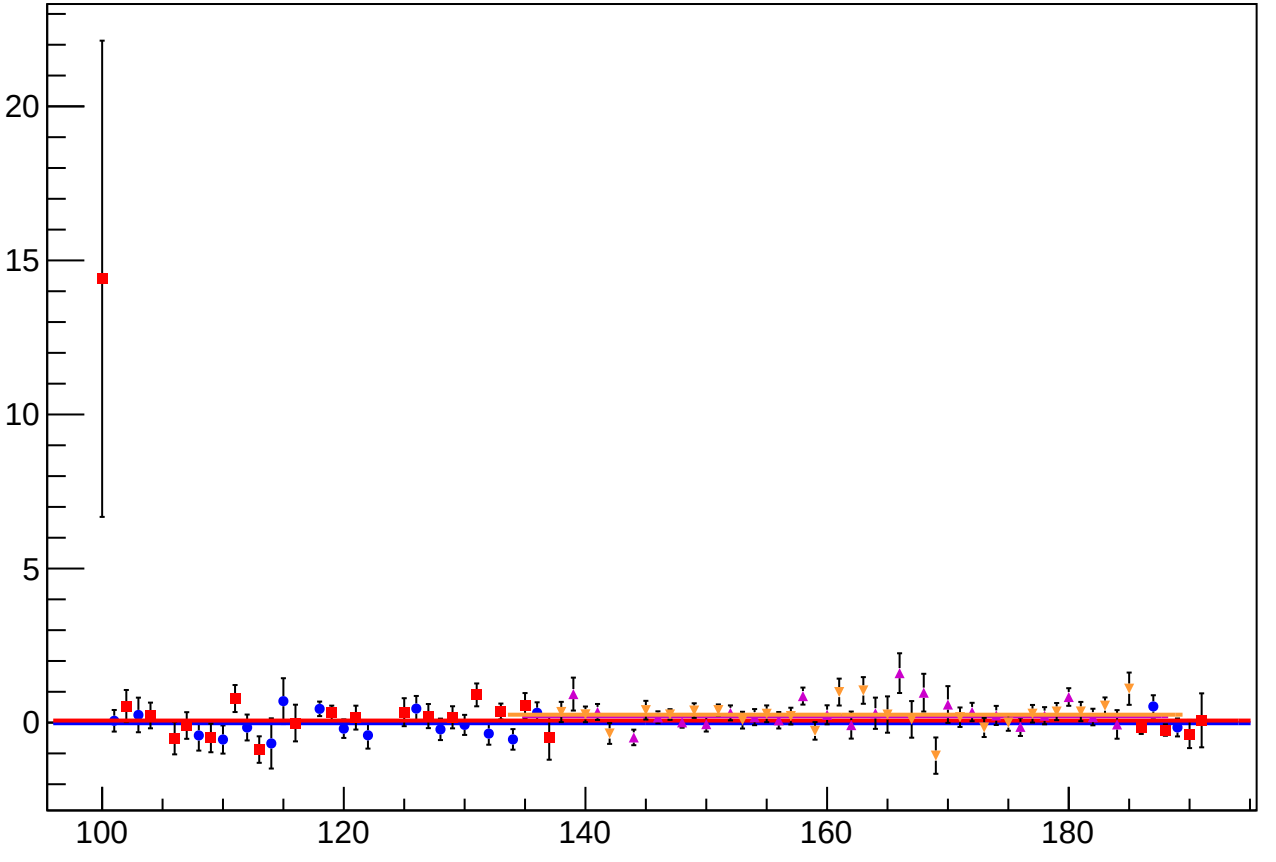
Left In: 0.120+/-0.079 χ^2/NDF:30.0/22

+ sign 0.341+/-0.056 χ^2/NDF: 61.3/41

All: 0.324+/-0.038 χ^2/NDF: 135.7/86

- sign 0.309+/-0.051 χ^2/NDF: 74.2/44

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: 0.066+/-0.077 χ^2/NDF: 29.6/21

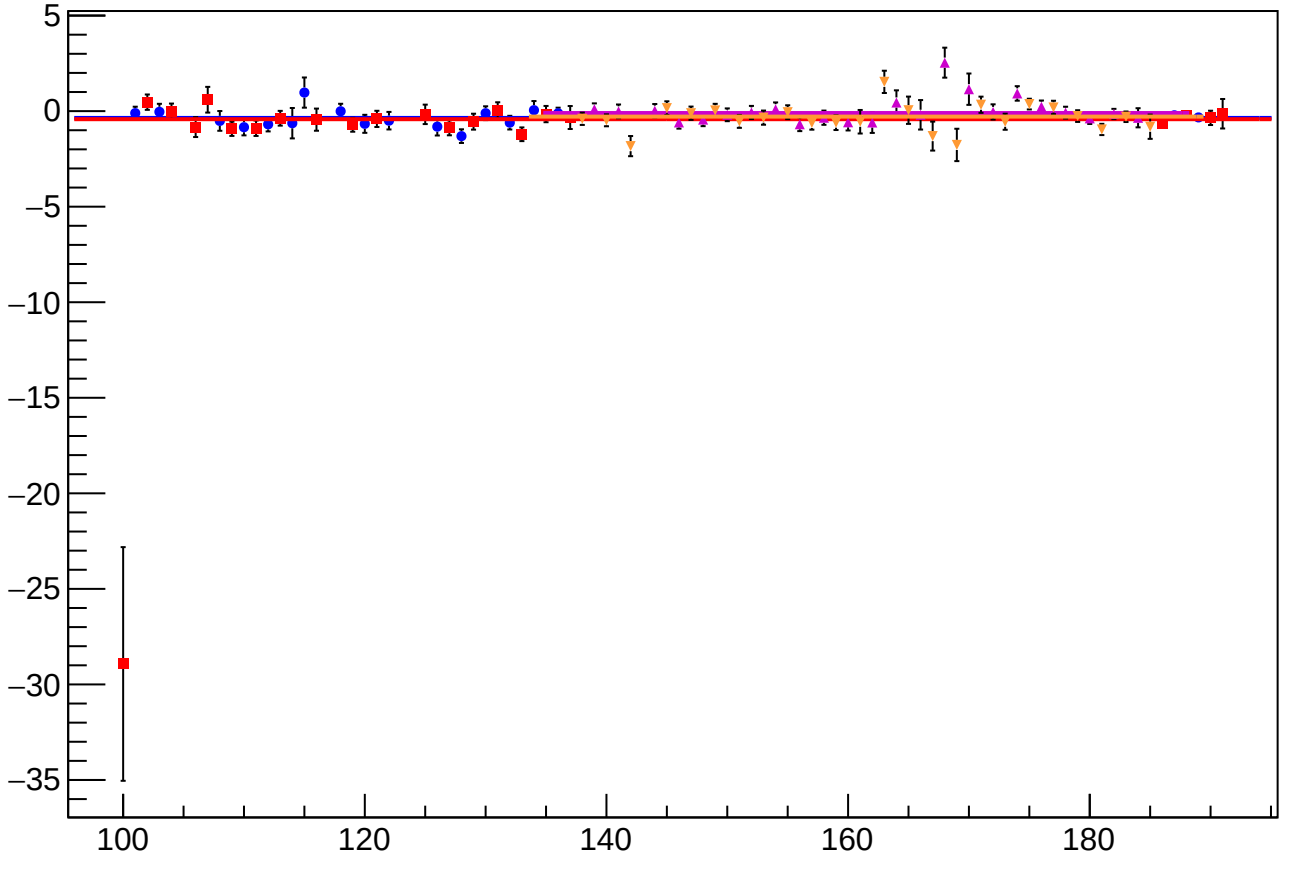
Left In: 0.207+/-0.060 χ^2/NDF:31.9/22

+ sign 0.169+/-0.049 χ^2/NDF: 51.0/41

All: 0.161+/-0.034 χ^2/NDF: 114.6/86

- sign 0.153+/-0.048 χ^2/NDF: 63.6/44

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: -0.422+/-0.064 χ^2/NDF: 48.1/21

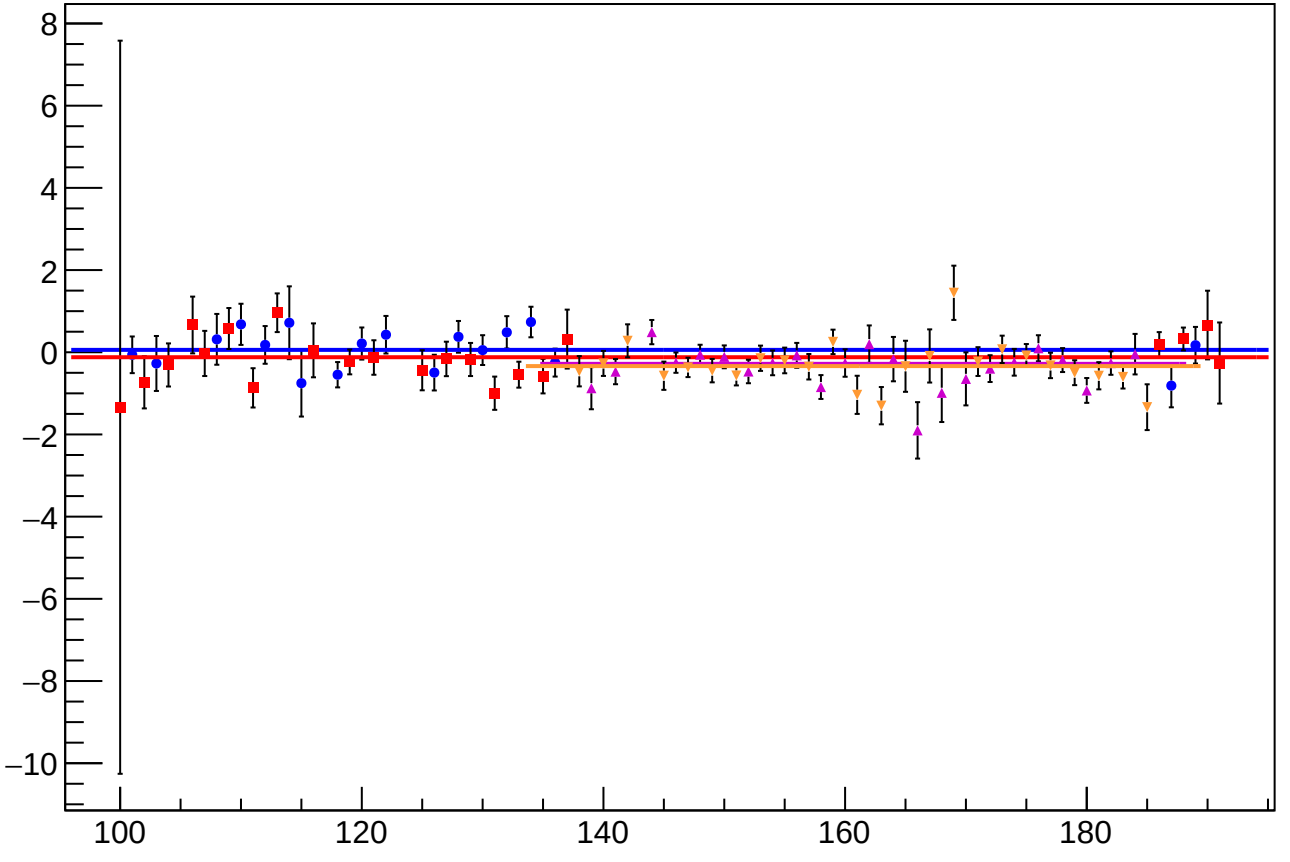
Left In: -0.100+/-0.078 χ^2/NDF:33.2/22

+ sign -0.319+/-0.057 χ^2/NDF: 64.0/41

All: -0.305+/-0.037 χ^2/NDF: 155.6/86

- sign -0.294+/-0.049 χ^2/NDF: 91.5/44

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: -0.121+/-0.096 χ^2/NDF: 25.3/21

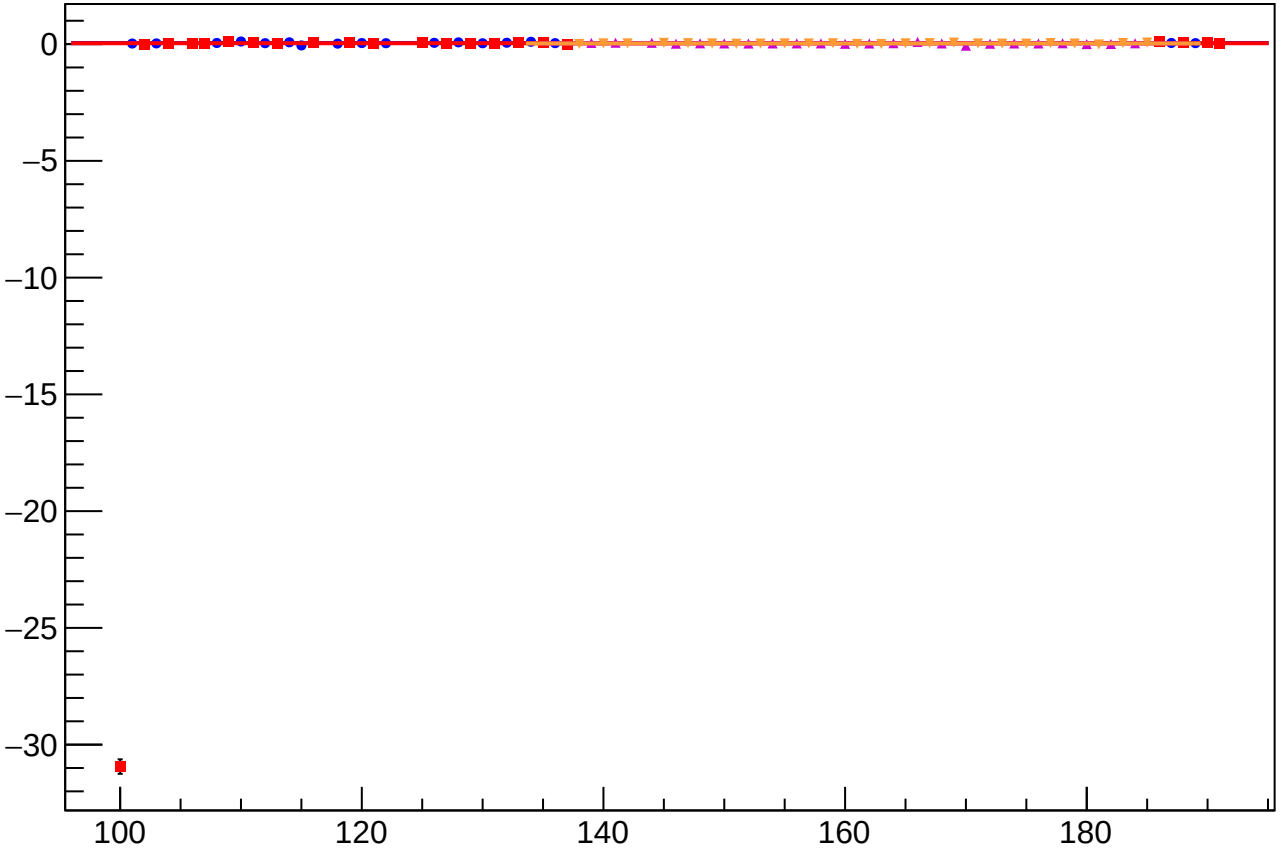
Left In: -0.282+/-0.069 χ^2/NDF:29.0/22

+ sign -0.217+/-0.057 χ^2/NDF: 59.1/41

All: -0.222+/-0.040 χ^2/NDF: 115.2/86

- sign -0.227+/-0.056 χ^2/NDF: 56.1/44

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+/-0.005 χ^2/NDF: 10037.7/21

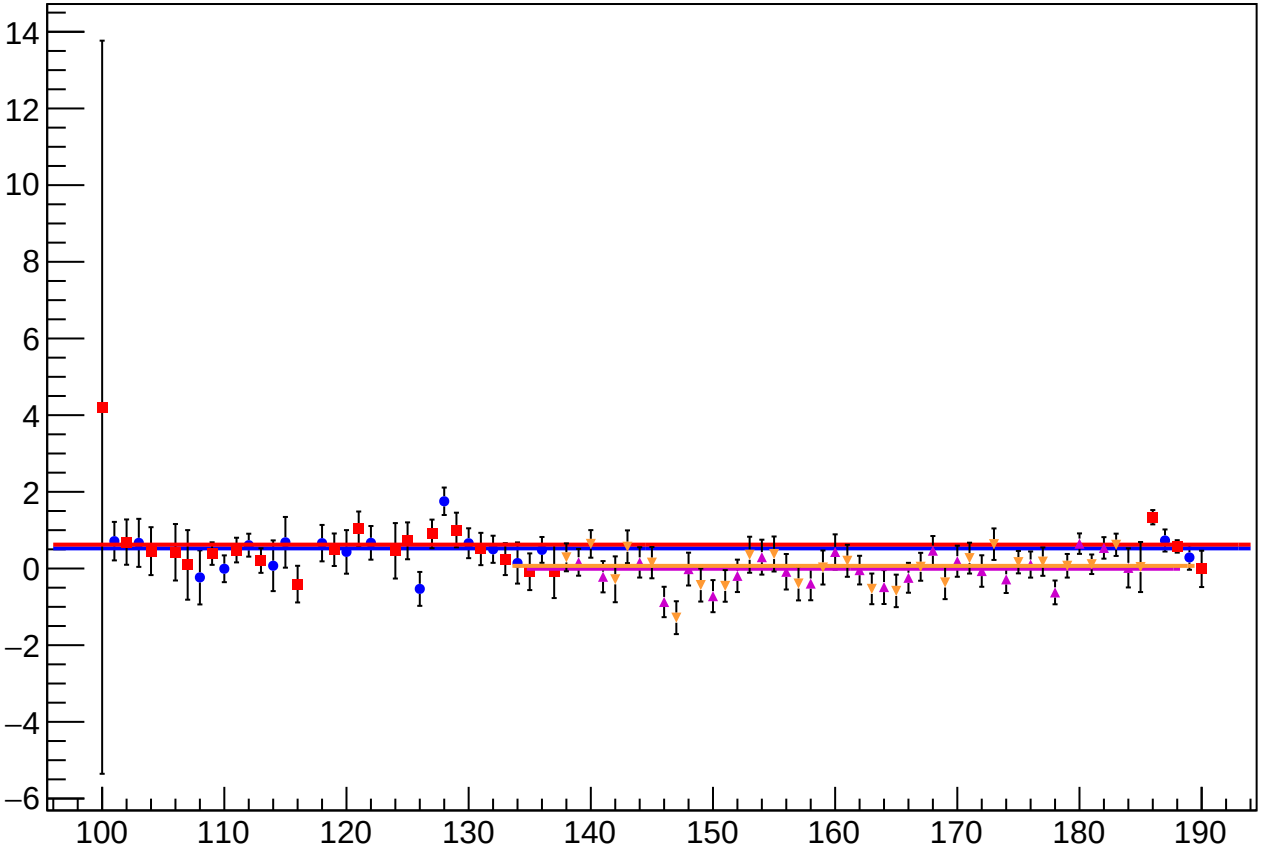
Left In: 0.029+/-0.003 χ^2/NDF:38.9/22

+ sign 0.032+/-0.003 χ^2/NDF: 56.0/41

All: 0.032+/-0.002 χ^2/NDF: 10134.6/86

- sign 0.032+/-0.003 χ^2/NDF: 10078.6/44

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: 0.623+/-0.079 χ^2/NDF: 30.7/21

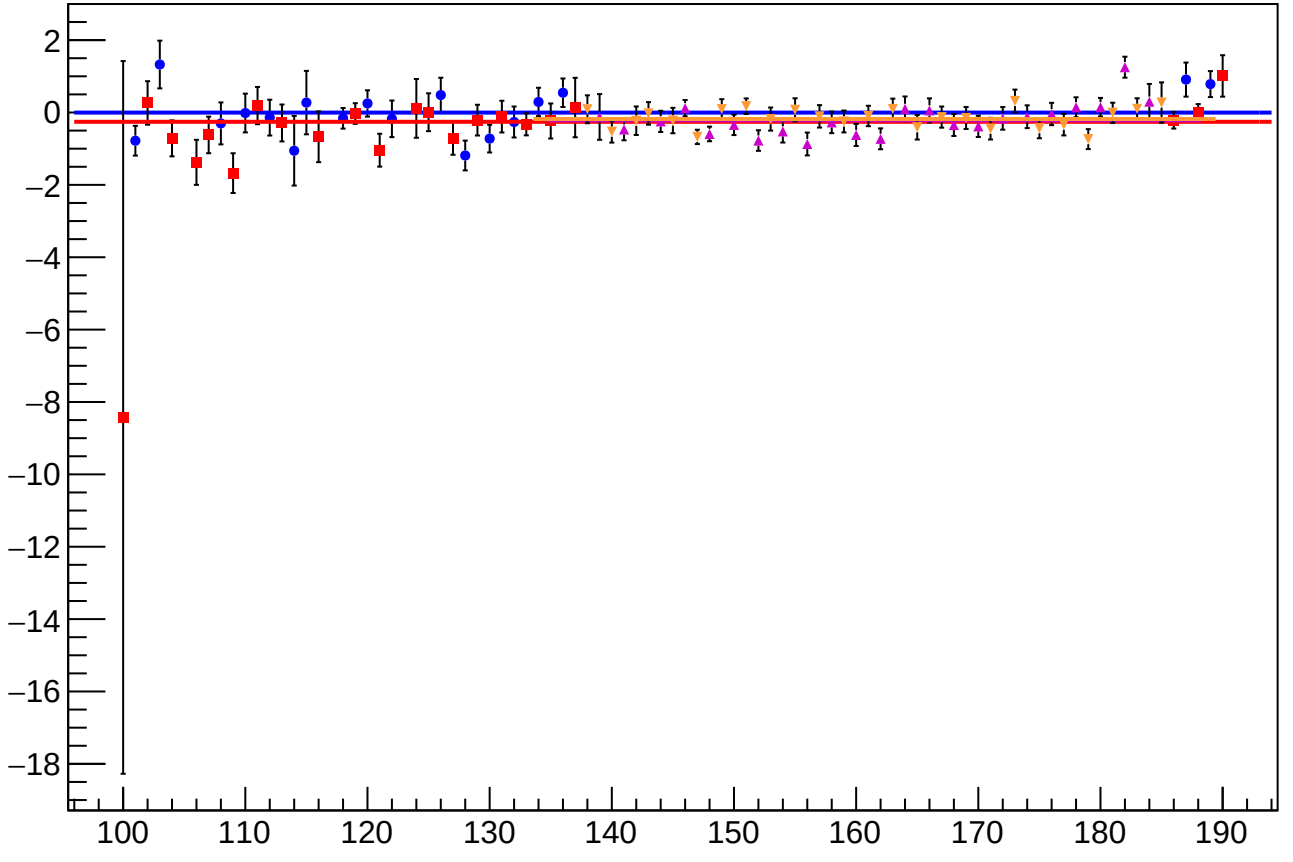
Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

+ sign 0.246+/-0.060 χ^2/NDF: 68.4/42

All: 0.281+/-0.041 χ^2/NDF: 159.9/87

- sign 0.311+/-0.056 χ^2/NDF: 90.9/44

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: -0.257+/-0.091 χ^2/NDF: 25.5/21

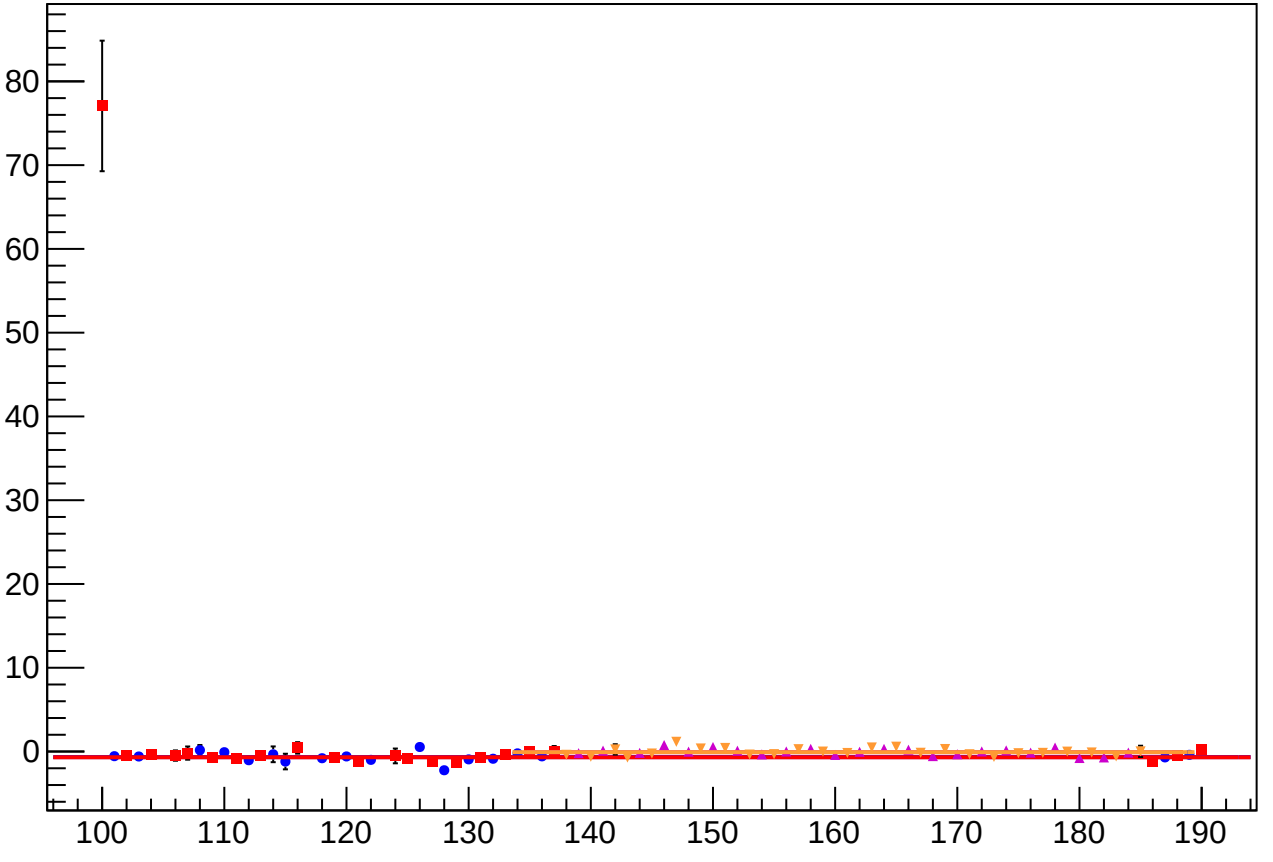
Left In: -0.216+/-0.062 χ^2/NDF:53.6/22

+ sign -0.137+/-0.051 χ^2/NDF: 61.4/42

All: -0.183+/-0.036 χ^2/NDF: 142.2/87

- sign -0.229+/-0.051 χ^2/NDF: 79.2/44

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: -0.687+/-0.076 χ^2/NDF: 126.3/21

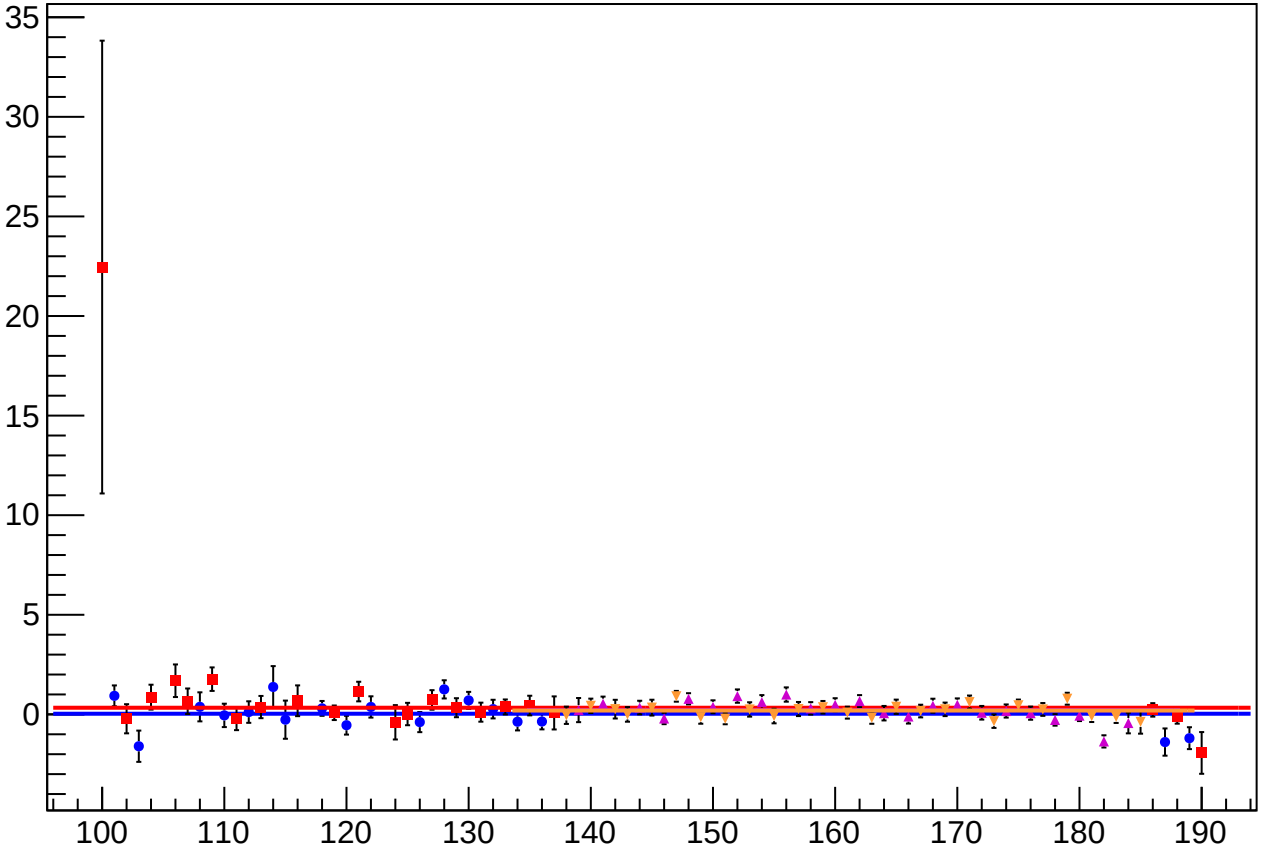
Left In: -0.075+/-0.079 χ^2/NDF:28.3/22

+ sign -0.295+/-0.061 χ^2/NDF: 77.9/42

All: -0.350+/-0.041 χ^2/NDF: 265.5/87

- sign -0.394+/-0.054 χ^2/NDF: 186.2/44

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: 0.333+/-0.112 χ^2/NDF: 27.0/21

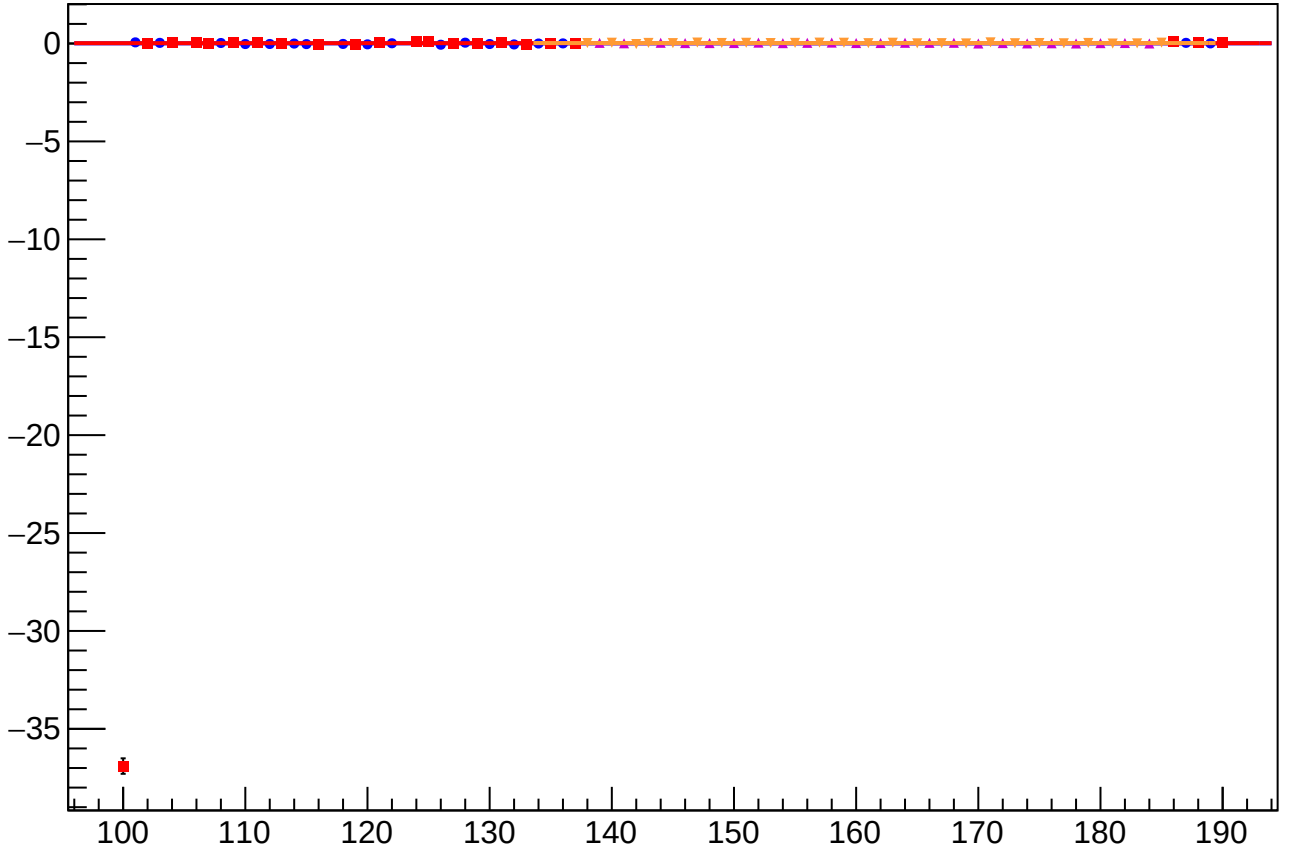
Left In: 0.215+/-0.069 χ^2/NDF:55.1/22

+ sign 0.156+/-0.059 χ^2/NDF: 60.6/42

All: 0.202+/-0.042 χ^2/NDF: 144.7/87

- sign 0.247+/-0.059 χ^2/NDF: 82.9/44

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: 0.017+/-0.006 χ^2/NDF: 8774.5/21

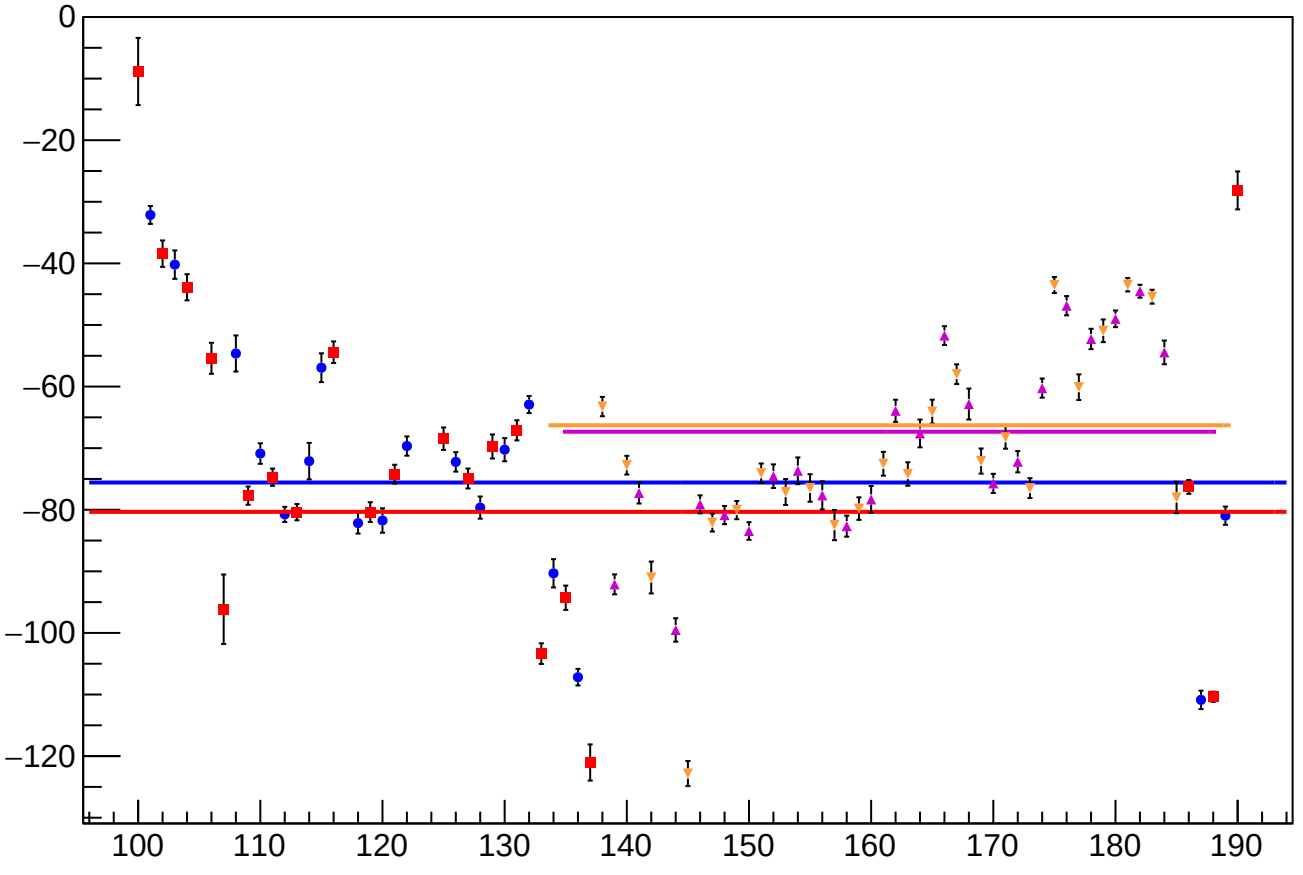
Left In: 0.024+/-0.003 χ^2/NDF:18.0/22

+ sign 0.021+/-0.003 χ^2/NDF: 53.4/42

All: 0.022+/-0.002 χ^2/NDF: 8846.9/87

- sign 0.023+/-0.003 χ^2/NDF: 8793.4/44

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: -80.342+/-0.359 χ^2/NDF: 3401.5/20

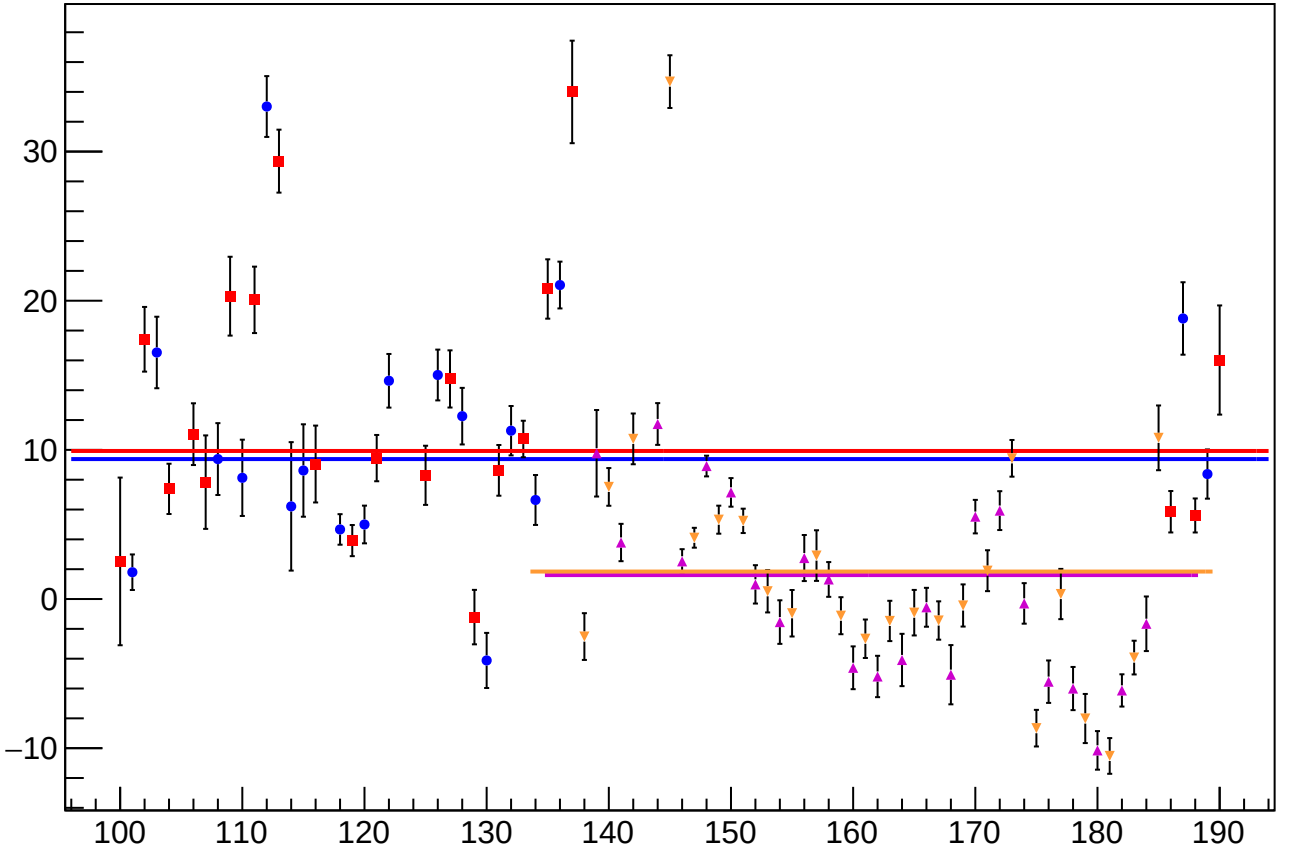
Left In: -67.331+/-0.345 χ^2/NDF:2102.6/22

+ sign -70.240+/-0.261 χ^2/NDF: 5429.5/41

All: -71.986+/-0.180 χ^2/NDF: 11701.7/85

- sign -73.578+/-0.249 χ^2/NDF: 6186.4/43

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: 9.927+/-0.391 χ^2/NDF: 320.8/20

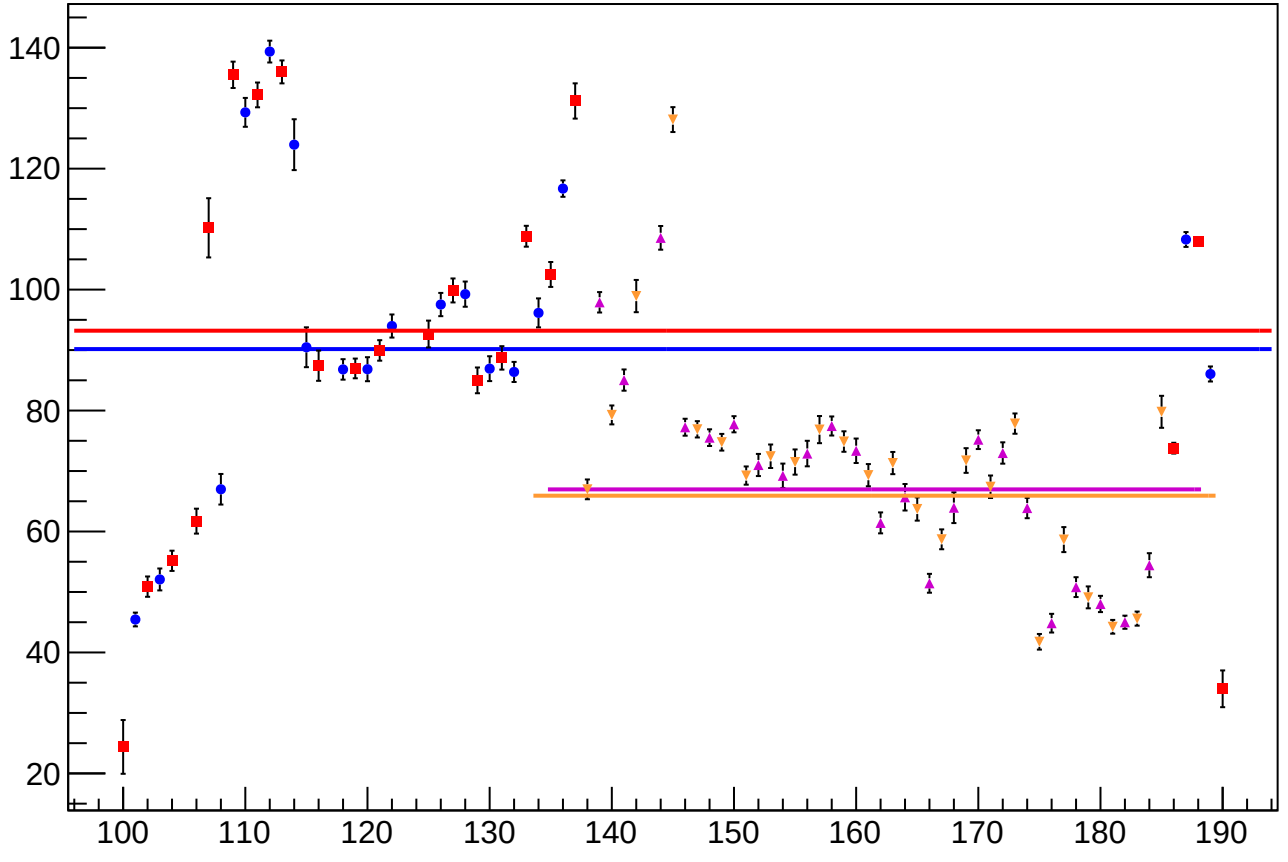
Left In: 1.605+/-0.258 χ^2/NDF:496.6/22

\+ sign 3.970+/-0.216 χ^2/NDF: 1397.1/41

All: 4.050+/-0.152 χ^2/NDF: 2529.4/85

\- sign 4.130+/-0.216 χ^2/NDF: 1132.0/43

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: 93.205+/-0.356 χ^2/NDF: 4554.1/20

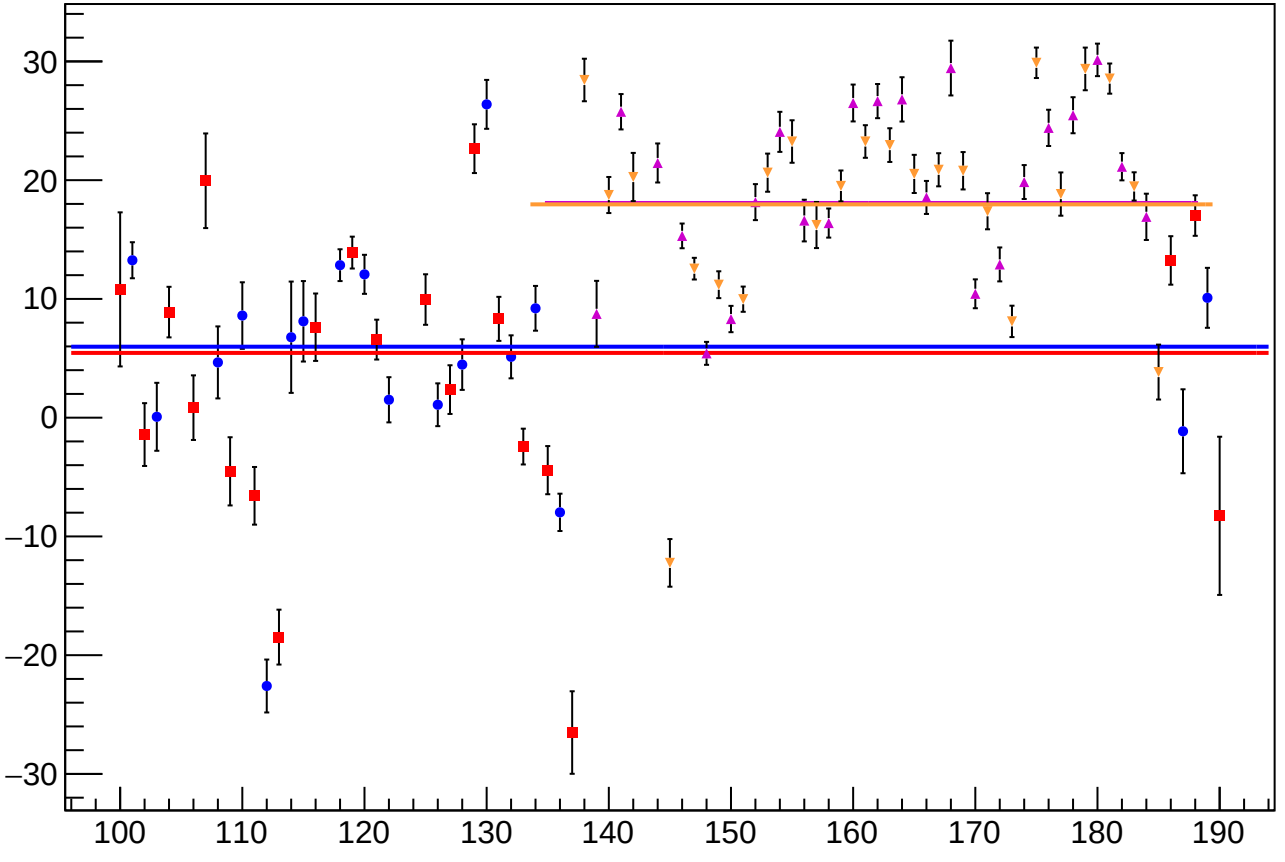
Left In: 66.964+/-0.341 χ^2/NDF:2221.3/22

+ sign 75.733+/-0.263 χ^2/NDF: 8416.2/41

All: 77.758+/-0.180 χ^2/NDF: 18136.9/85

- sign 79.536+/-0.246 χ^2/NDF: 9609.1/43

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: 5.454+/-0.474 χ^2/NDF: 490.4/20

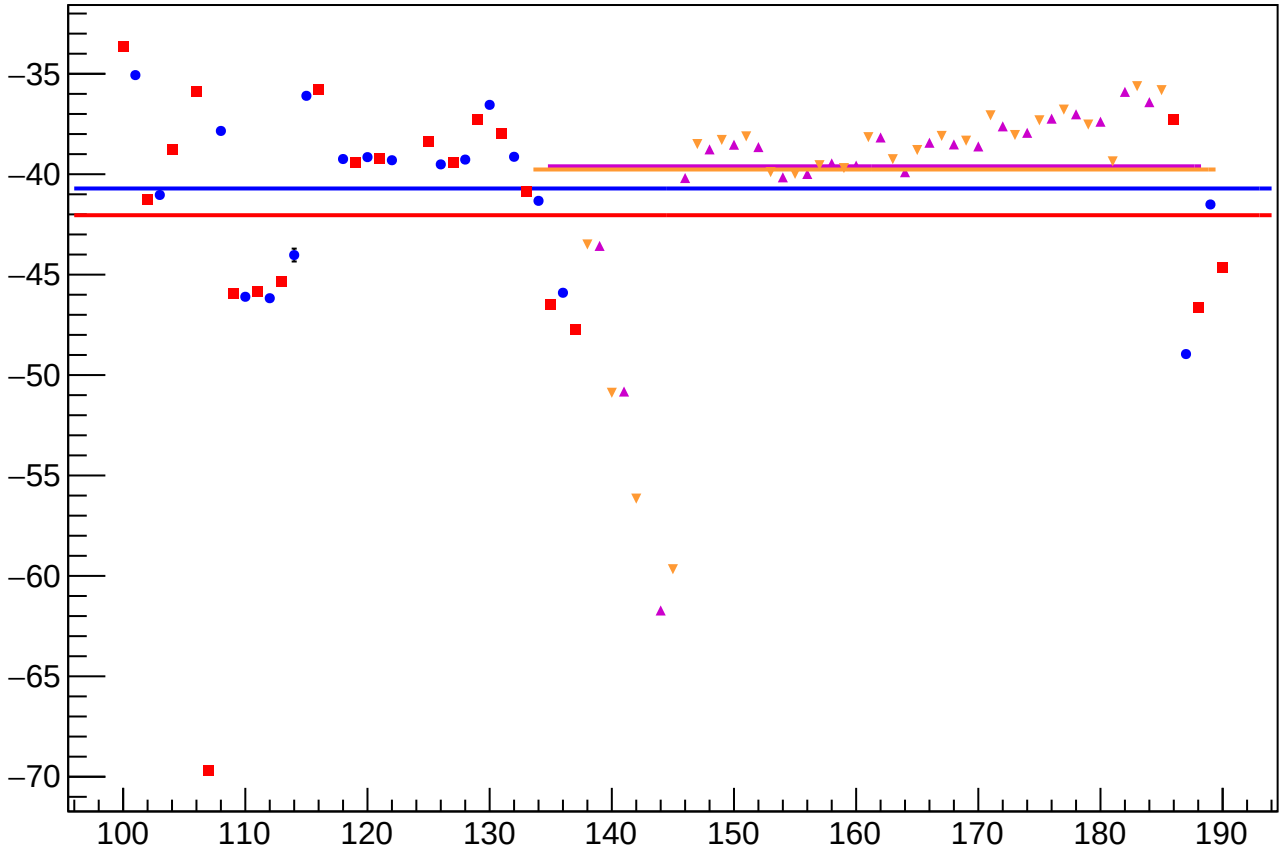
Left In: 18.079+/-0.295 χ^2/NDF:605.0/22

+ sign 14.735+/-0.250 χ^2/NDF: 1619.5/41

All: 14.645+/-0.177 χ^2/NDF: 3227.2/85

- sign 14.554+/-0.250 χ^2/NDF: 1607.5/43

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: -42.041+/-0.027 χ^2/NDF: 40861.4/20

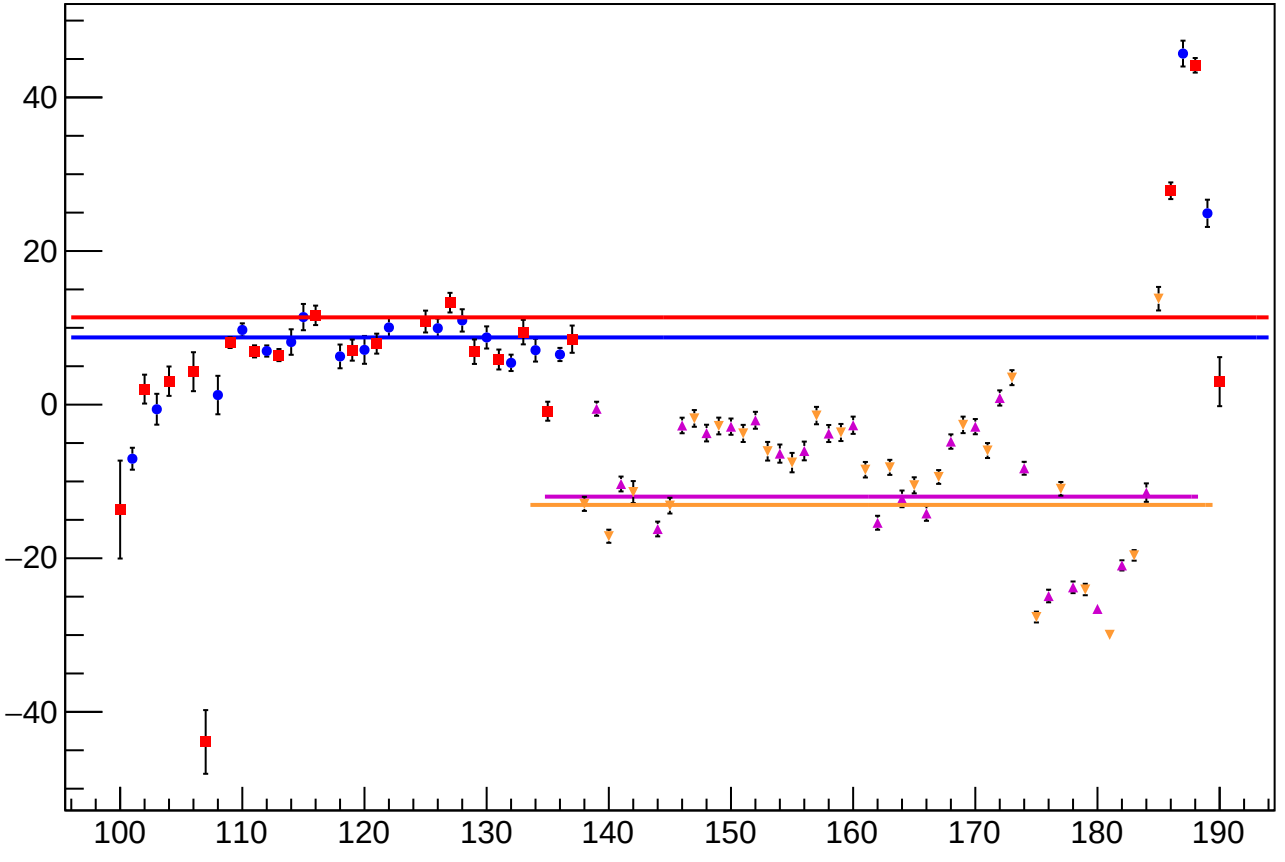
Left In: -39.606+/-0.013 χ^2/NDF:106639.2/22

+ sign -39.951+/-0.012 χ^2/NDF: 150849.6/41

All: -40.018+/-0.009 χ^2/NDF: 304912.2/85

- sign -40.084+/-0.012 χ^2/NDF: 154001.9/43

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: 11.364+/-0.274 χ^2/NDF: 1911.8/20

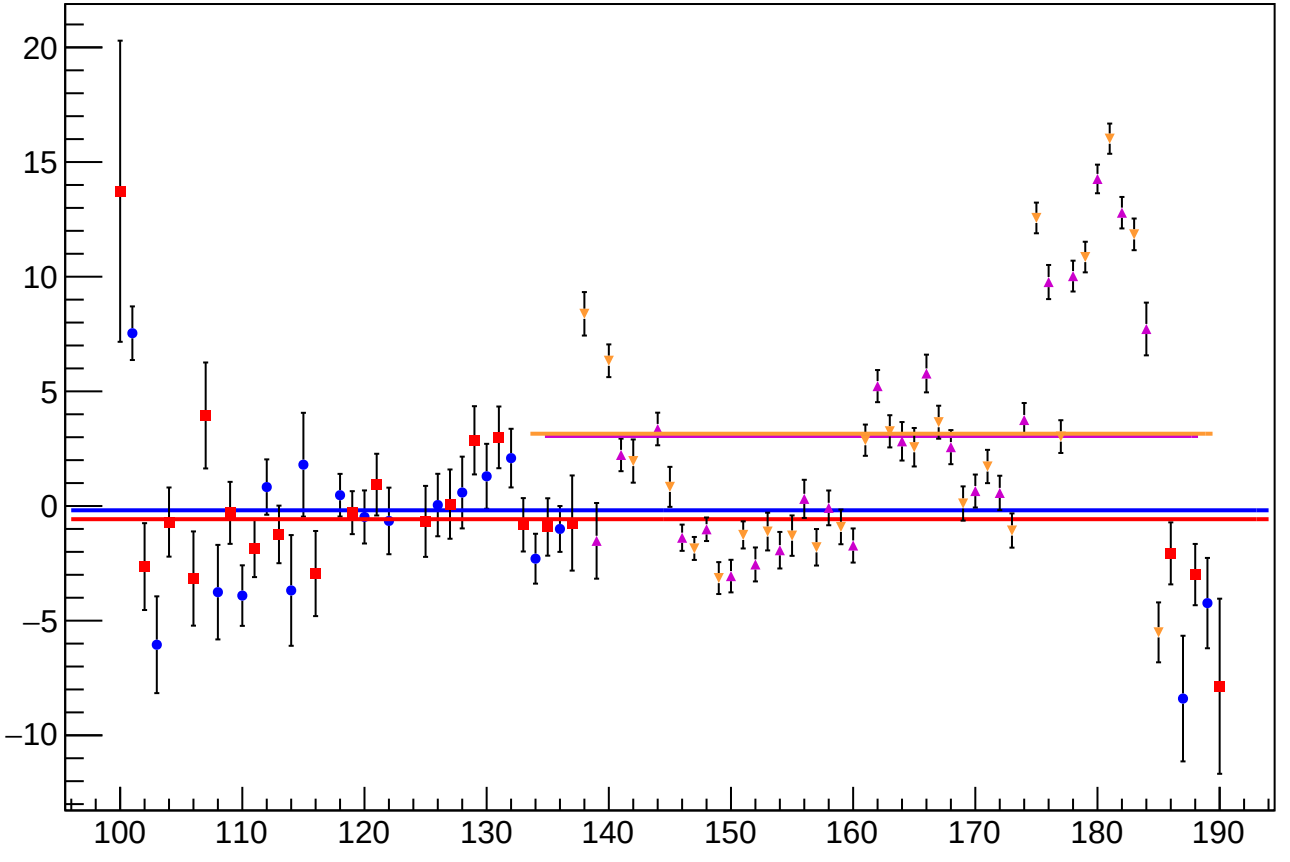
Left In: -11.978+/-0.195 χ^2/NDF:2176.6/22

+ sign -6.675+/-0.162 χ^2/NDF: 7365.2/41

All: -5.370+/-0.114 χ^2/NDF: 16385.0/85

- sign -4.113+/-0.159 χ^2/NDF: 8892.7/43

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: -0.575+/-0.323 χ^2/NDF: 36.5/20

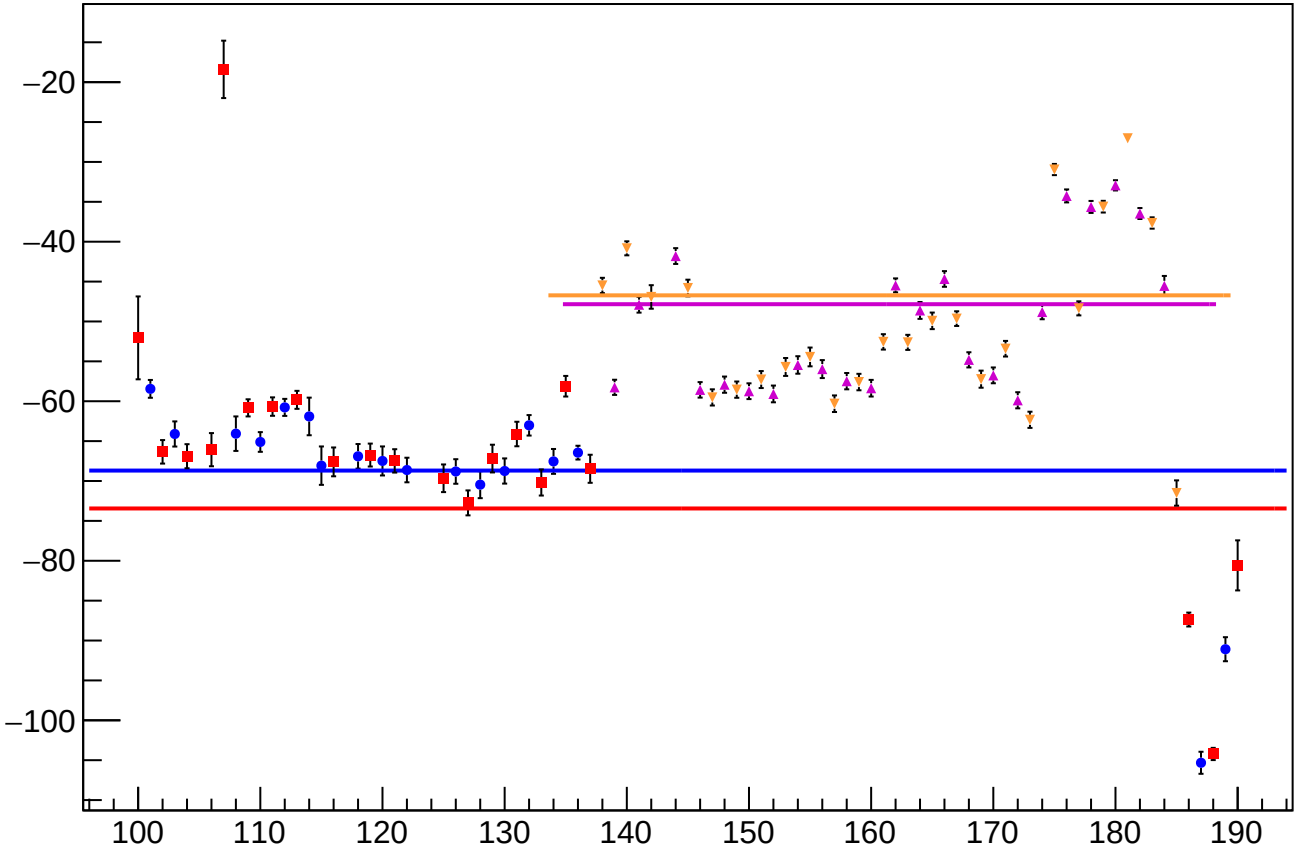
Left In: 3.055+/-0.152 χ^2/NDF:1145.0/22

+ sign 2.571+/-0.136 χ^2/NDF: 1561.2/41

All: 2.484+/-0.097 χ^2/NDF: 2847.1/85

- sign 2.396+/-0.137 χ^2/NDF: 1285.1/43

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: -73.444+/-0.304 χ^2/NDF: 2841.9/20

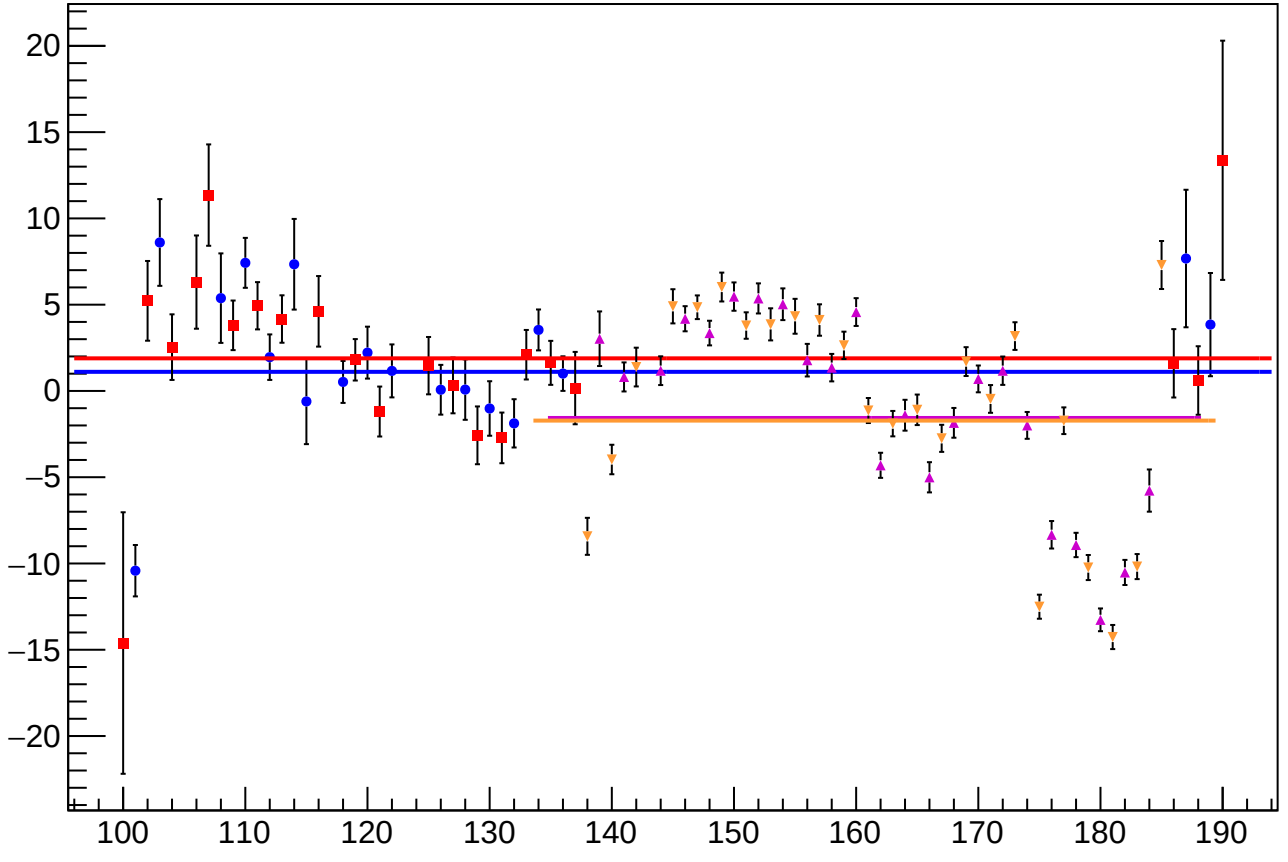
Left In: -47.835+/-0.194 χ^2/NDF:2557.6/22

+ sign -52.152+/-0.166 χ^2/NDF: 7818.5/41

All: -53.720+/-0.117 χ^2/NDF: 18437.5/85

- sign -55.237+/-0.163 χ^2/NDF: 10443.8/43

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: 1.890+/-0.375 χ^2/NDF: 57.7/20

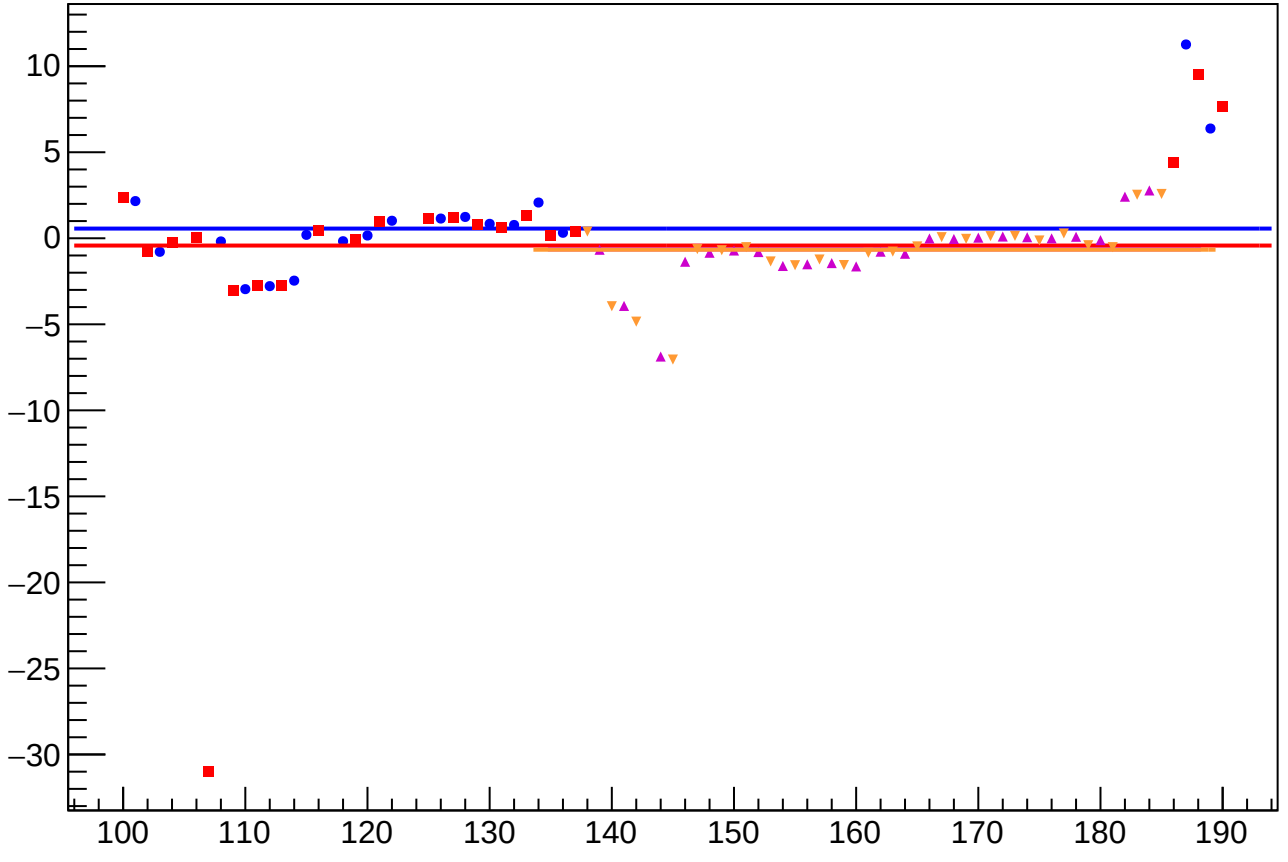
Left In: -1.567+/-0.171 χ^2/NDF:1117.7/22

+ sign -1.238+/-0.153 χ^2/NDF: 1567.1/41

All: -1.108+/-0.109 χ^2/NDF: 2814.4/85

- sign -0.974+/-0.155 χ^2/NDF: 1245.8/43

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: -0.423+/-0.021 χ^2/NDF: 59910.5/20

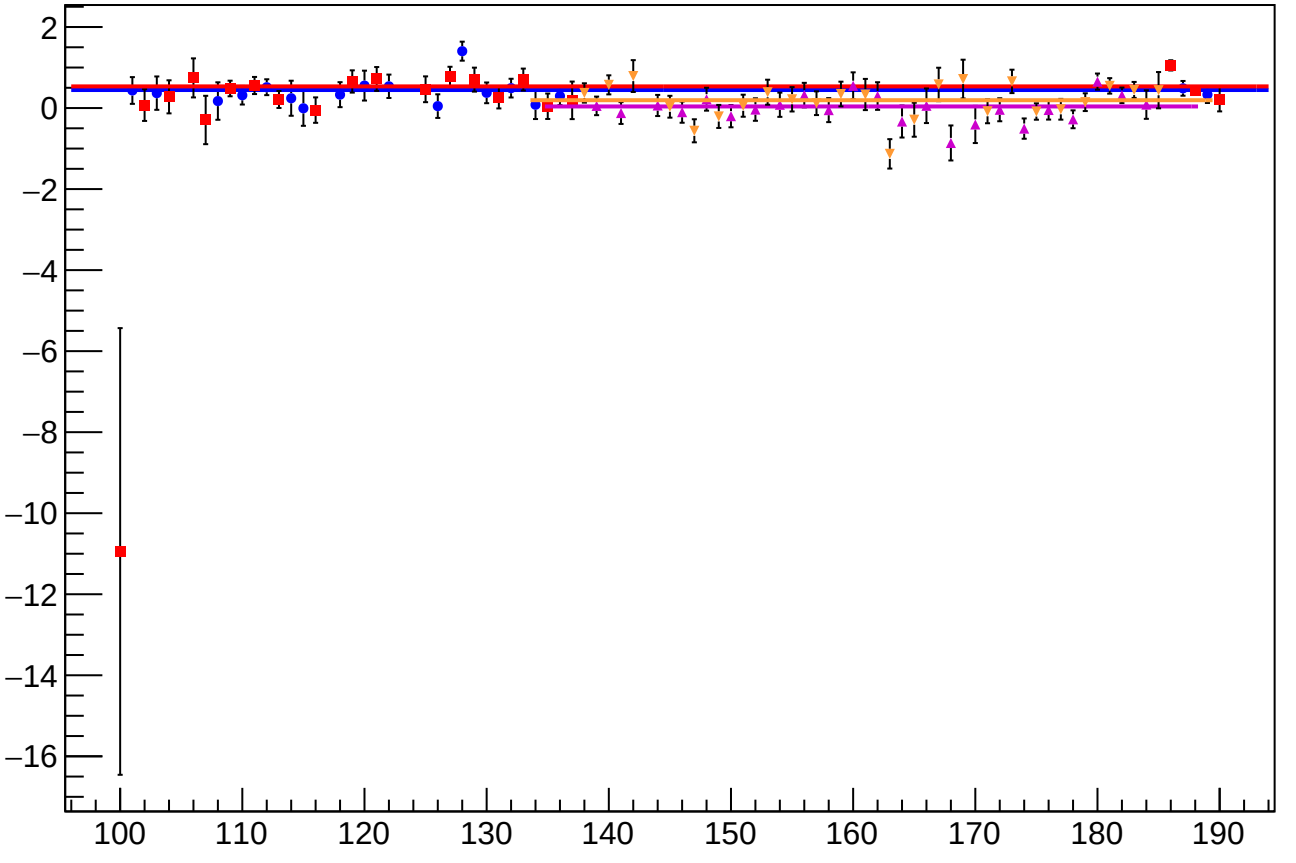
Left In: -0.646+/-0.008 χ^2/NDF:45569.5/22

+ sign -0.523+/-0.007 χ^2/NDF: 67773.2/41

All: -0.572+/-0.005 χ^2/NDF: 173447.5/85

- sign -0.621+/-0.007 χ^2/NDF: 105577.4/43

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: 0.535+/-0.052 χ^2/NDF: 39.3/20

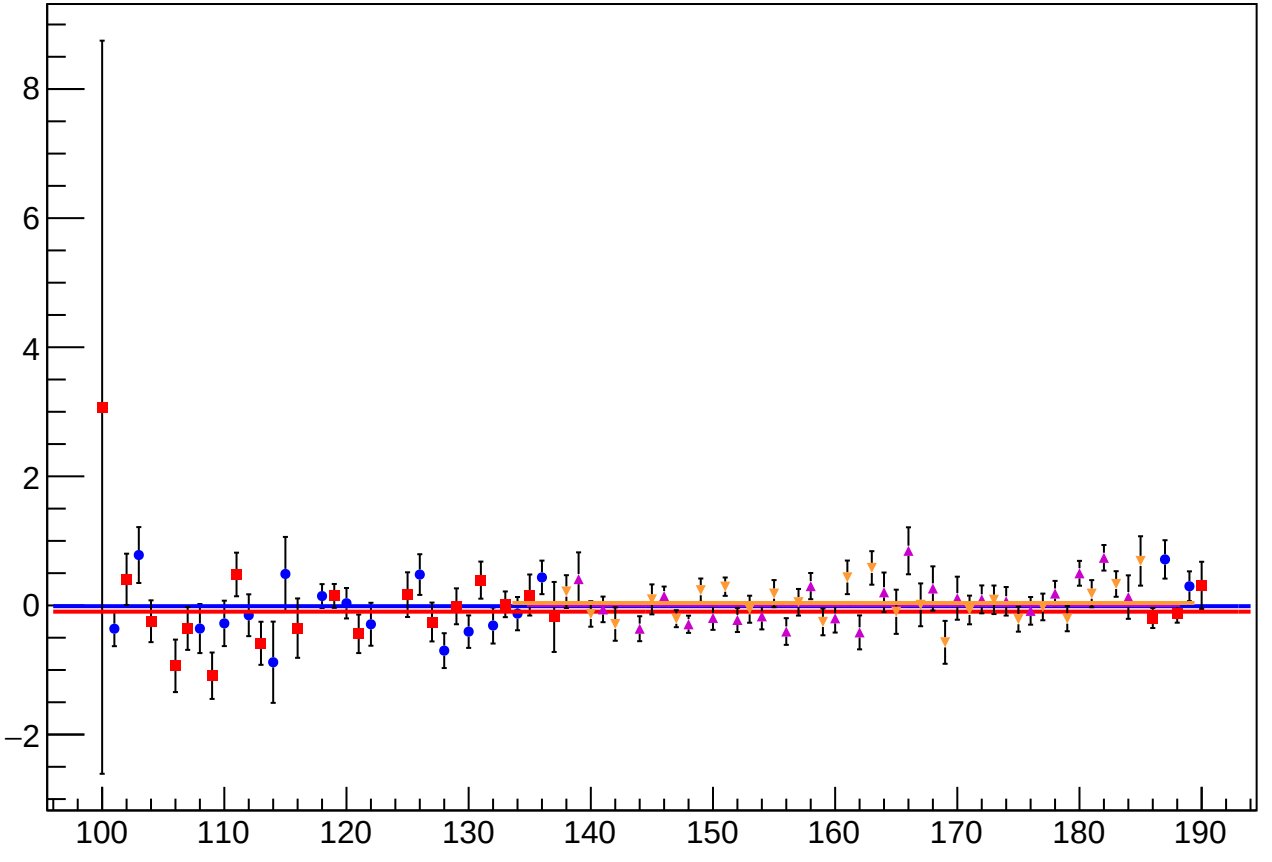
Left In: 0.039+/-0.058 χ^2/NDF:30.5/22

+ sign 0.306+/-0.042 χ^2/NDF: 75.9/41

All: 0.310+/-0.028 χ^2/NDF: 186.6/85

- sign 0.313+/-0.039 χ^2/NDF: 110.6/43

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: -0.096+/-0.060 χ^2/NDF: 29.6/20

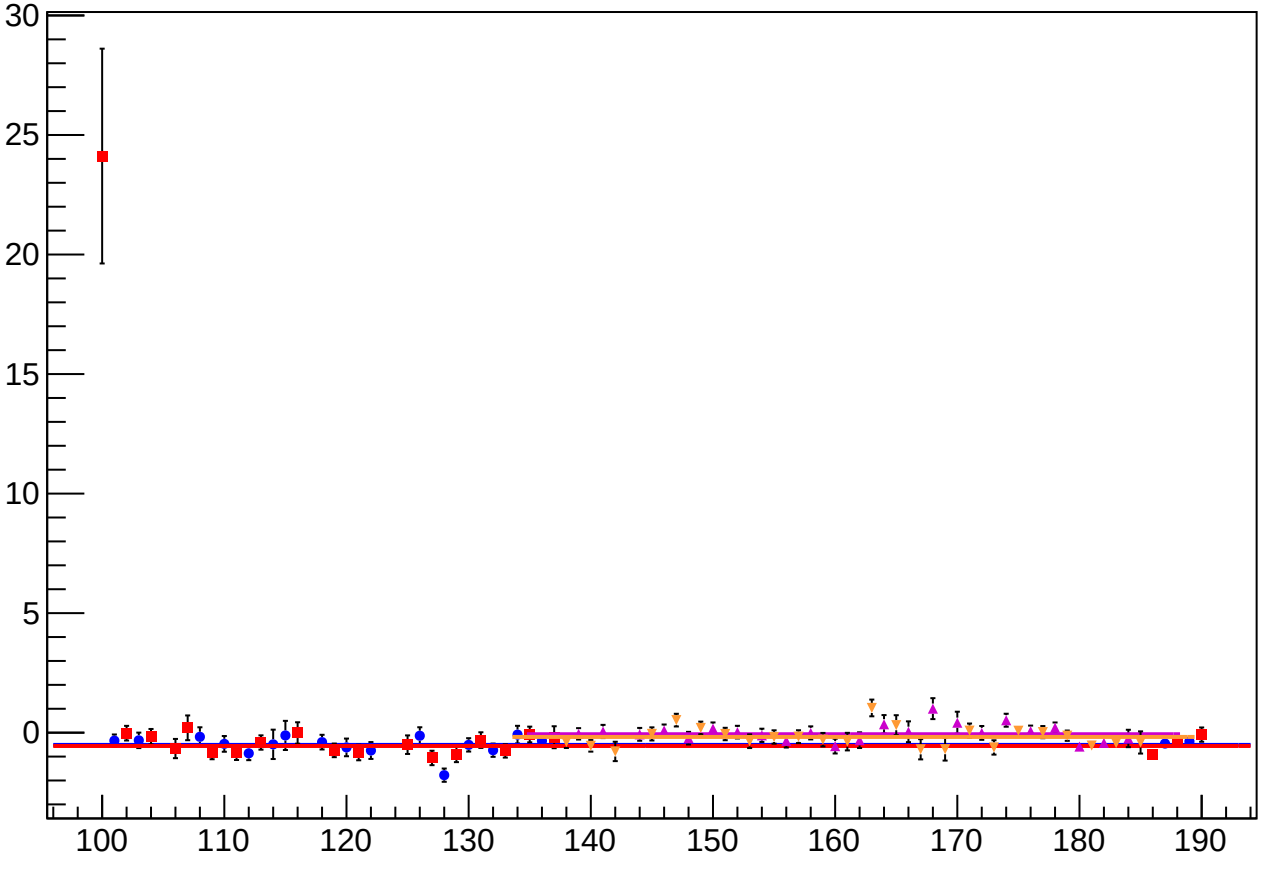
Left In: 0.008+/-0.044 χ^2/NDF:51.4/22

+ sign 0.024+/-0.036 χ^2/NDF: 67.3/41

All: -0.003+/-0.025 χ^2/NDF: 151.3/85

- sign -0.029+/-0.036 χ^2/NDF: 82.9/43

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: -0.557+/-0.050 χ^2/NDF: 67.0/20

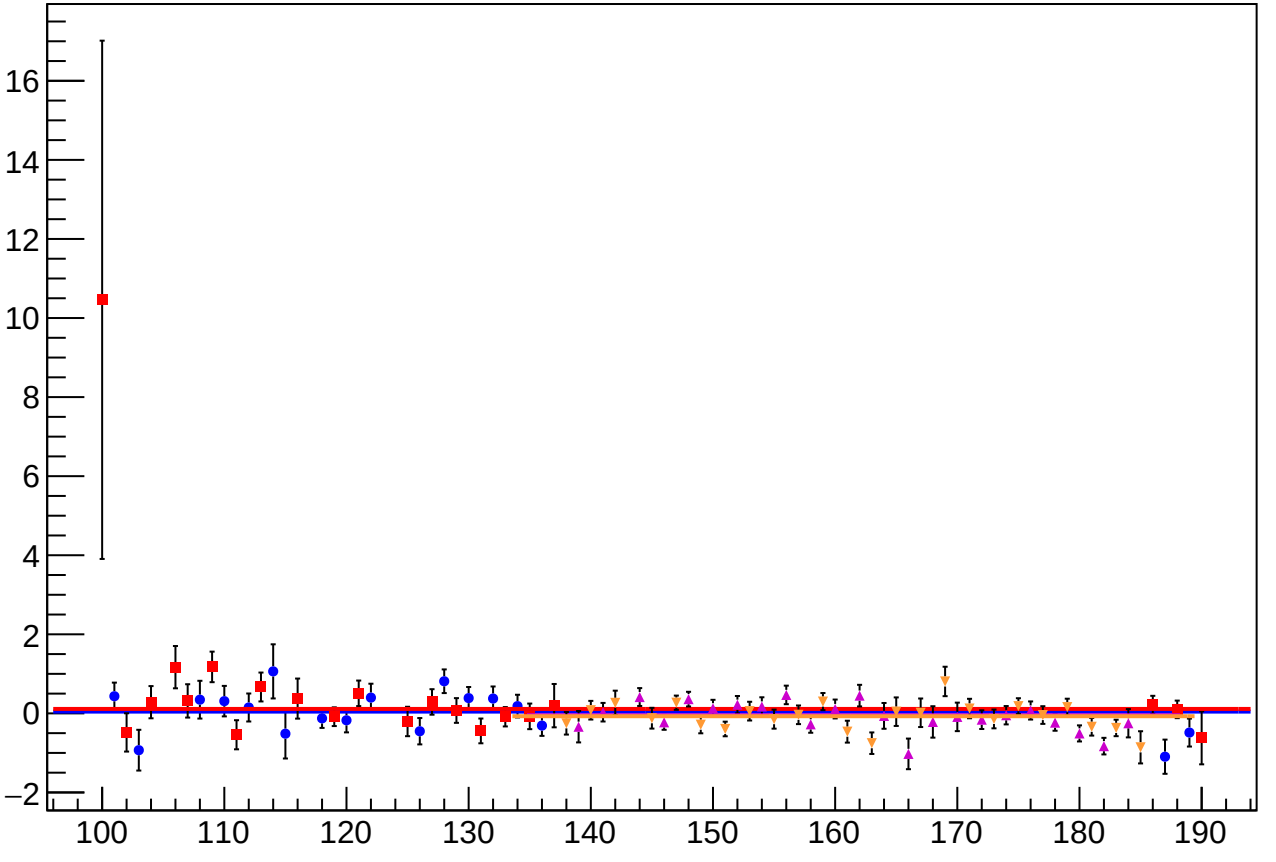
Left In: -0.066+/-0.057 χ^2/NDF:31.4/22

+ sign -0.320+/-0.043 χ^2/NDF: 86.7/41

All: -0.334+/-0.028 χ^2/NDF: 227.5/85

- sign -0.345+/-0.037 χ^2/NDF: 140.6/43

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: 0.112+/-0.074 χ^2/NDF: 30.4/20

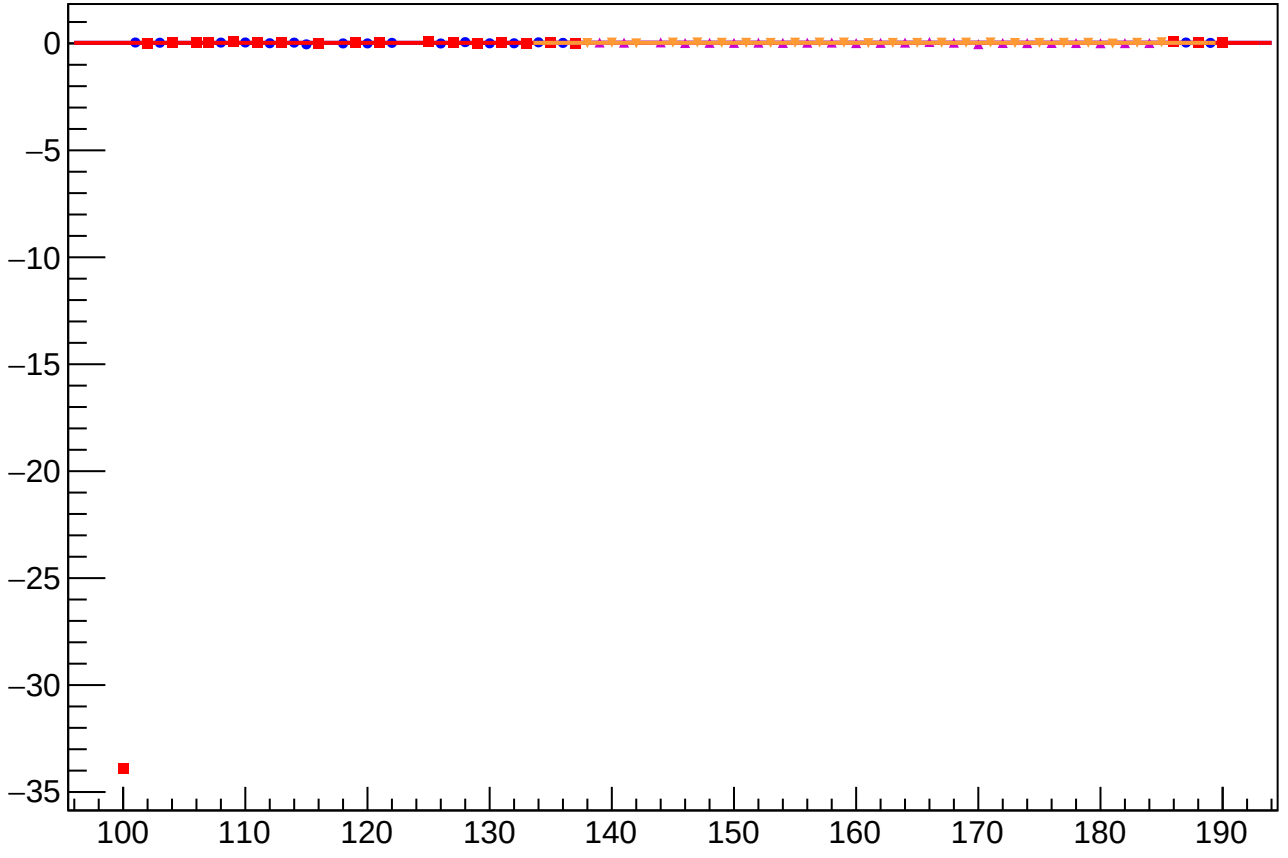
Left In: -0.047+/-0.050 χ^2/NDF:50.5/22

+ sign -0.040+/-0.042 χ^2/NDF: 72.8/41

All: -0.018+/-0.030 χ^2/NDF: 157.4/85

- sign 0.003+/-0.042 χ^2/NDF: 84.0/43

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: 0.026+/-0.004 χ^2/NDF: 22304.0/20

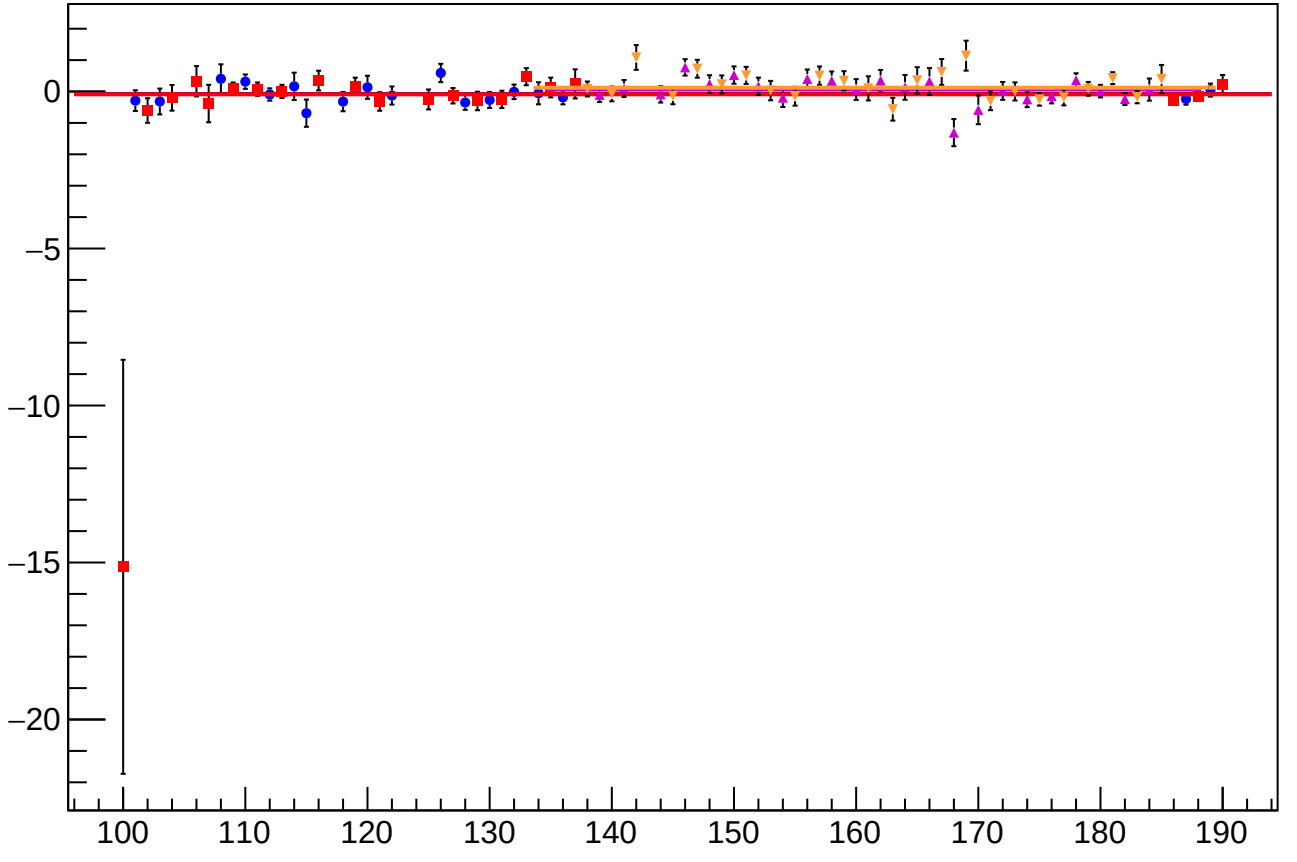
Left In: 0.026+/-0.002 χ^2/NDF:39.5/22

+ sign 0.027+/-0.002 χ^2/NDF: 46.5/41

All: 0.026+/-0.001 χ^2/NDF: 22390.0/85

- sign 0.026+/-0.002 χ^2/NDF: 22343.5/43

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: -0.088+/-0.052 χ^2/NDF: 23.8/20

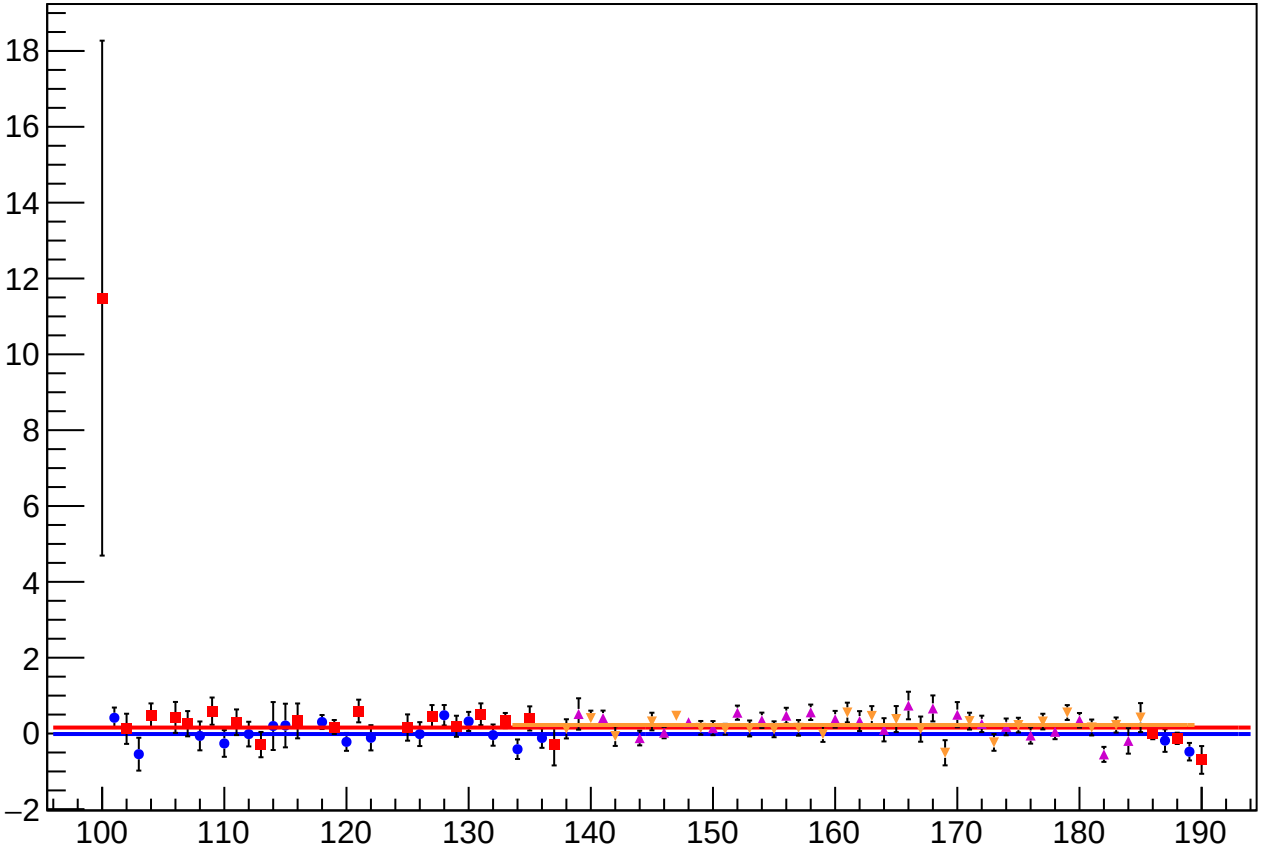
Left In: 0.063+/-0.058 χ^2/NDF:34.2/22

+ sign 0.032+/-0.042 χ^2/NDF: 61.9/41

All: 0.003+/-0.028 χ^2/NDF: 124.6/85

- sign -0.020+/-0.039 χ^2/NDF: 61.8/43

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

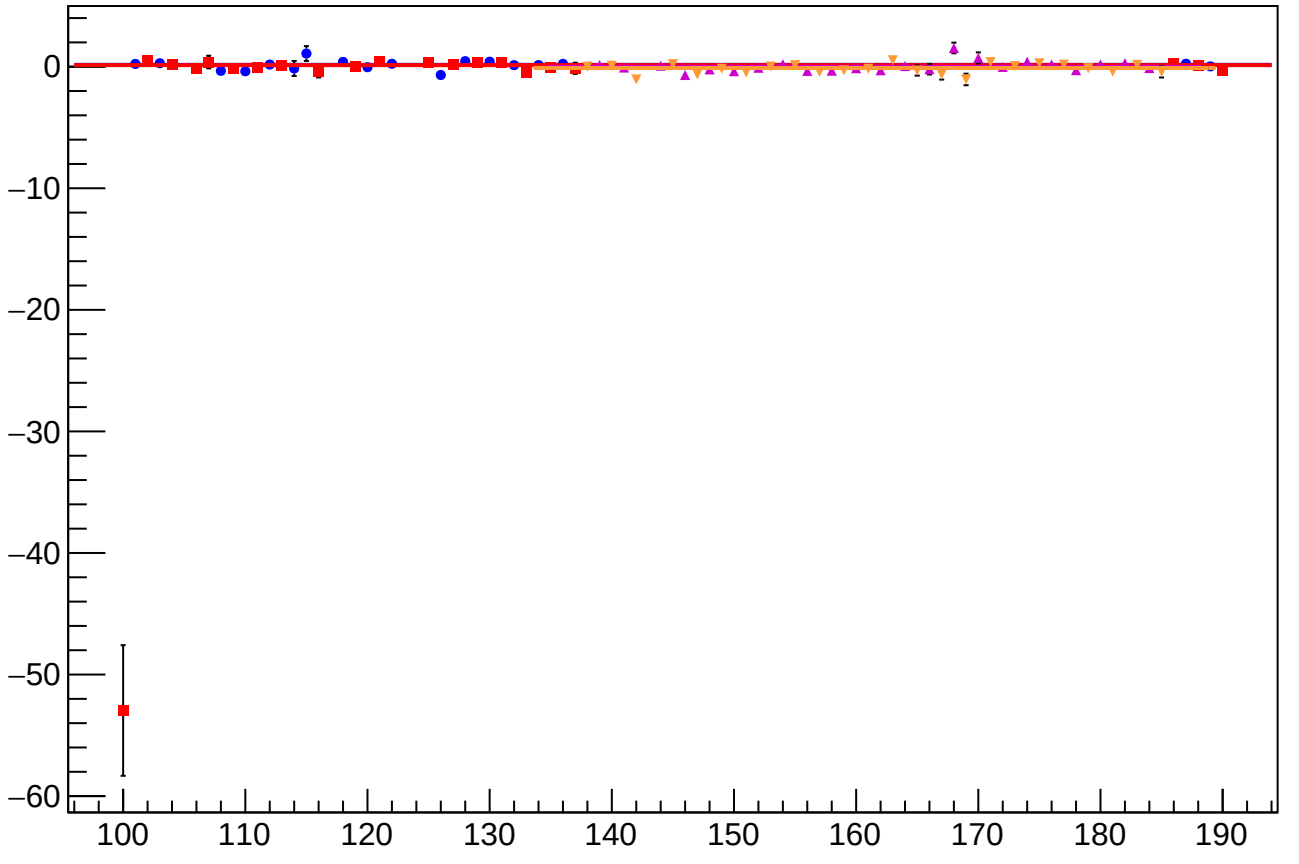
Right Out: 0.158+/-0.060 χ^2/NDF: 24.6/20

Left In: 0.221+/-0.044 χ^2/NDF:39.3/22

+ sign 0.156+/-0.036 χ^2/NDF: 53.6/41

All: 0.178+/-0.025 χ^2/NDF: 119.0/85

- sign 0.199+/-0.036 χ^2/NDF: 64.7/43



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: 0.129+/-0.050 χ^2/NDF: 113.5/20

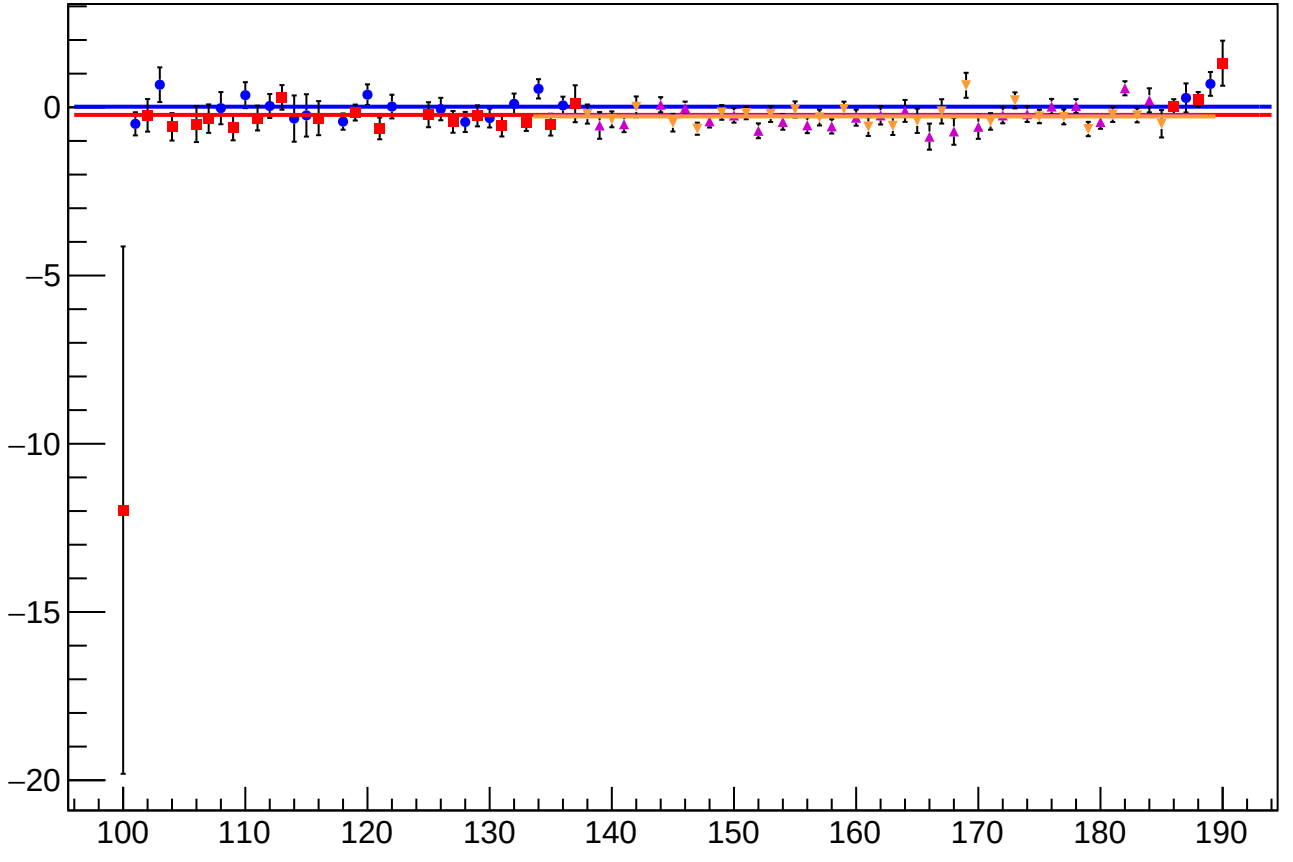
Left In: -0.009+/-0.057 χ^2/NDF:38.0/22

+ sign 0.005+/-0.043 χ^2/NDF: 63.0/41

All: 0.041+/-0.028 χ^2/NDF: 219.1/85

- sign 0.069+/-0.037 χ^2/NDF: 154.8/43

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: -0.226+/-0.074 χ^2/NDF: 22.2/20

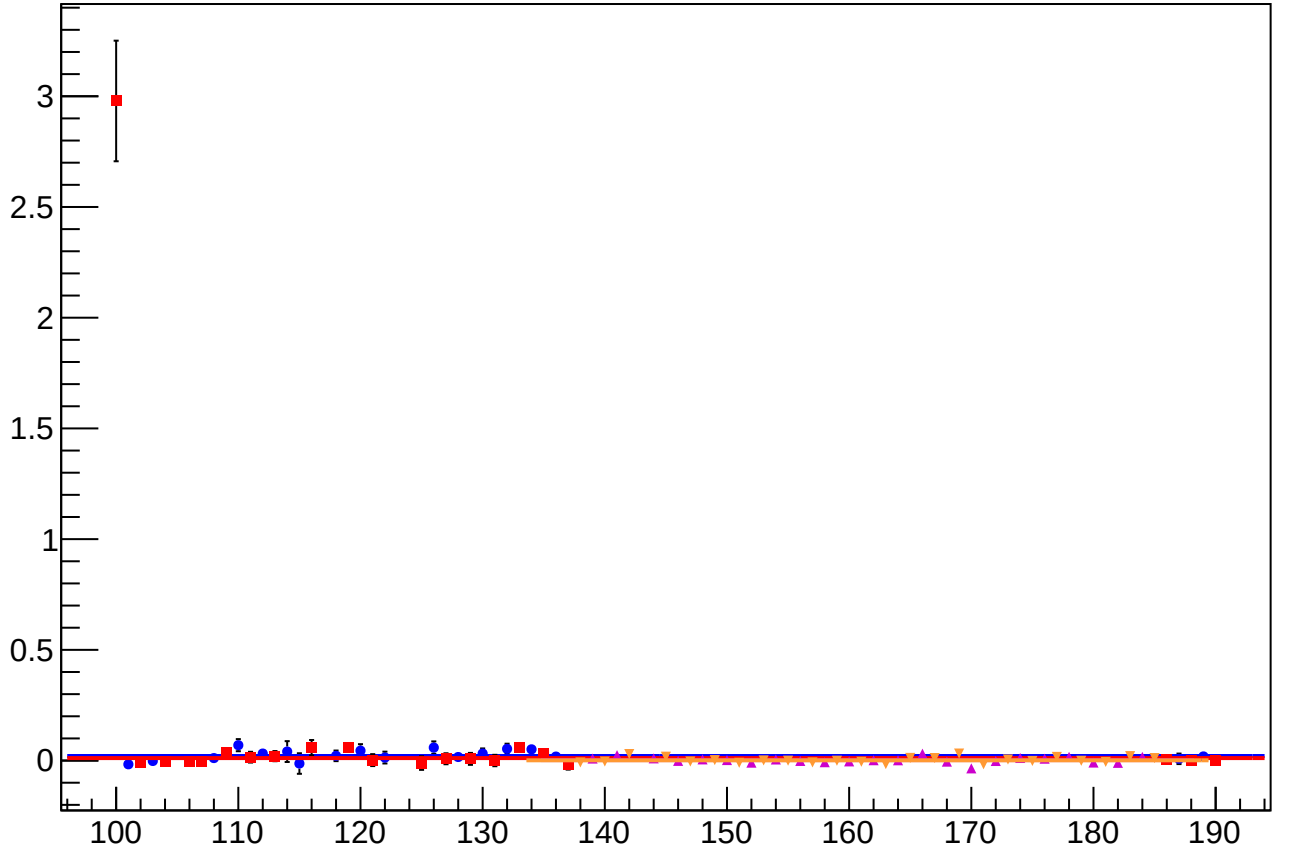
Left In: -0.254+/-0.050 χ^2/NDF:40.6/22

+ sign -0.192+/-0.042 χ^2/NDF: 55.4/41

All: -0.219+/-0.030 χ^2/NDF: 119.1/85

- sign -0.245+/-0.042 χ^2/NDF: 62.9/43

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: 0.011+/-0.004 χ^2/NDF: 142.3/20

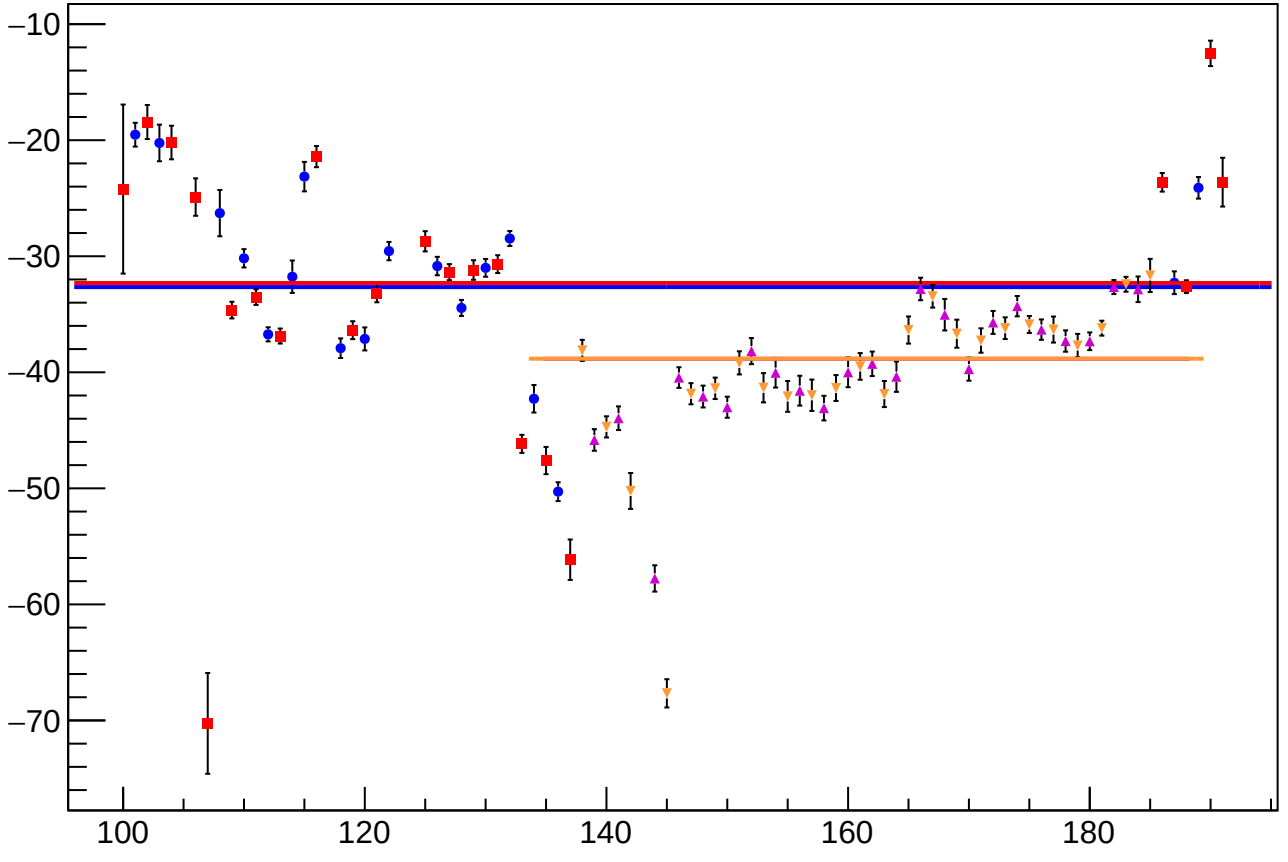
Left In: 0.002+/-0.002 χ^2/NDF:24.6/22

+ sign 0.005+/-0.002 χ^2/NDF: 64.3/41

All: 0.005+/-0.001 χ^2/NDF: 234.8/85

- sign 0.004+/-0.002 χ^2/NDF: 170.4/43

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: -32.303+/-0.190 χ^2/NDF: 1653.6/21

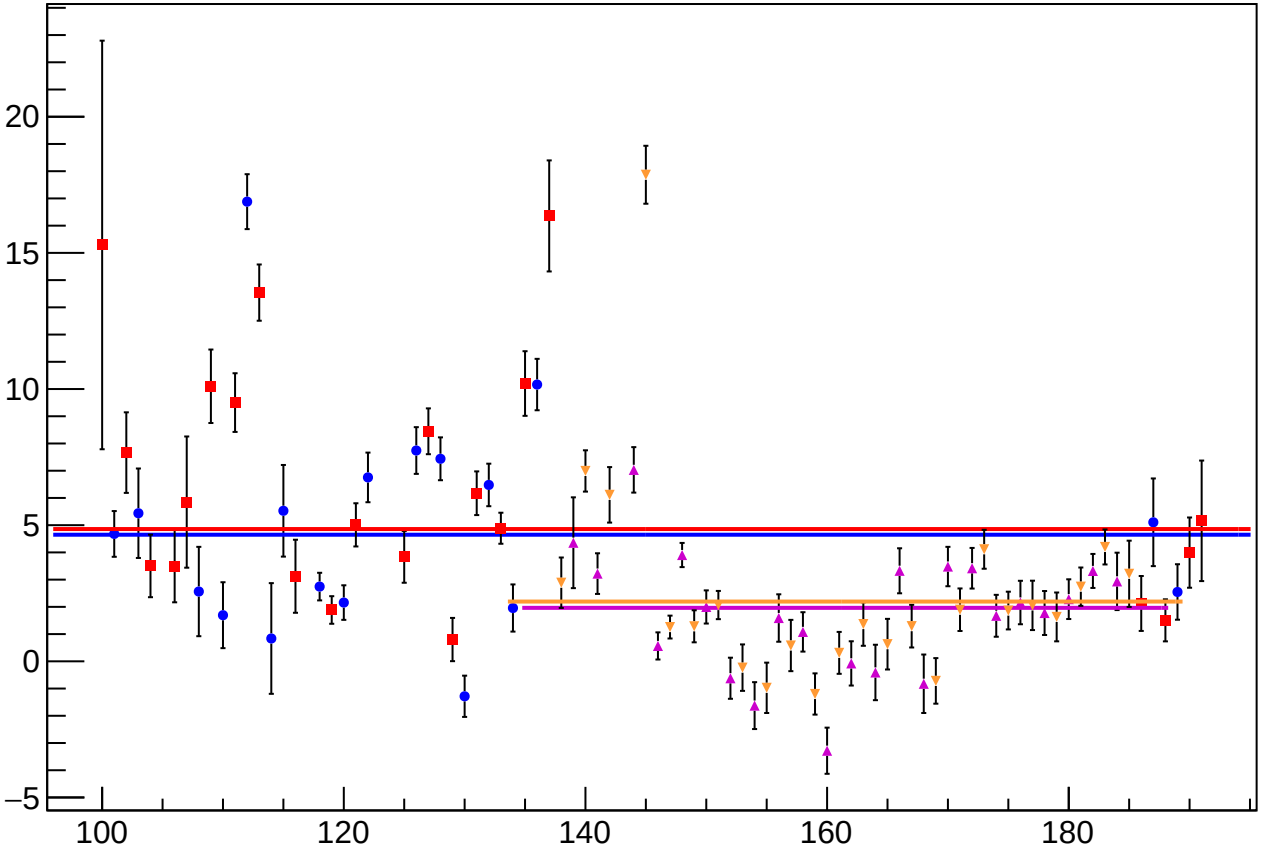
Left In: -38.837+/-0.203 χ^2/NDF:653.4/22

+ sign -35.825+/-0.145 χ^2/NDF: 2474.9/41

All: -35.580+/-0.100 χ^2/NDF: 5337.5/86

- sign -35.354+/-0.139 χ^2/NDF: 2857.1/44

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: 4.858+/-0.206 χ^2/NDF: 275.5/21

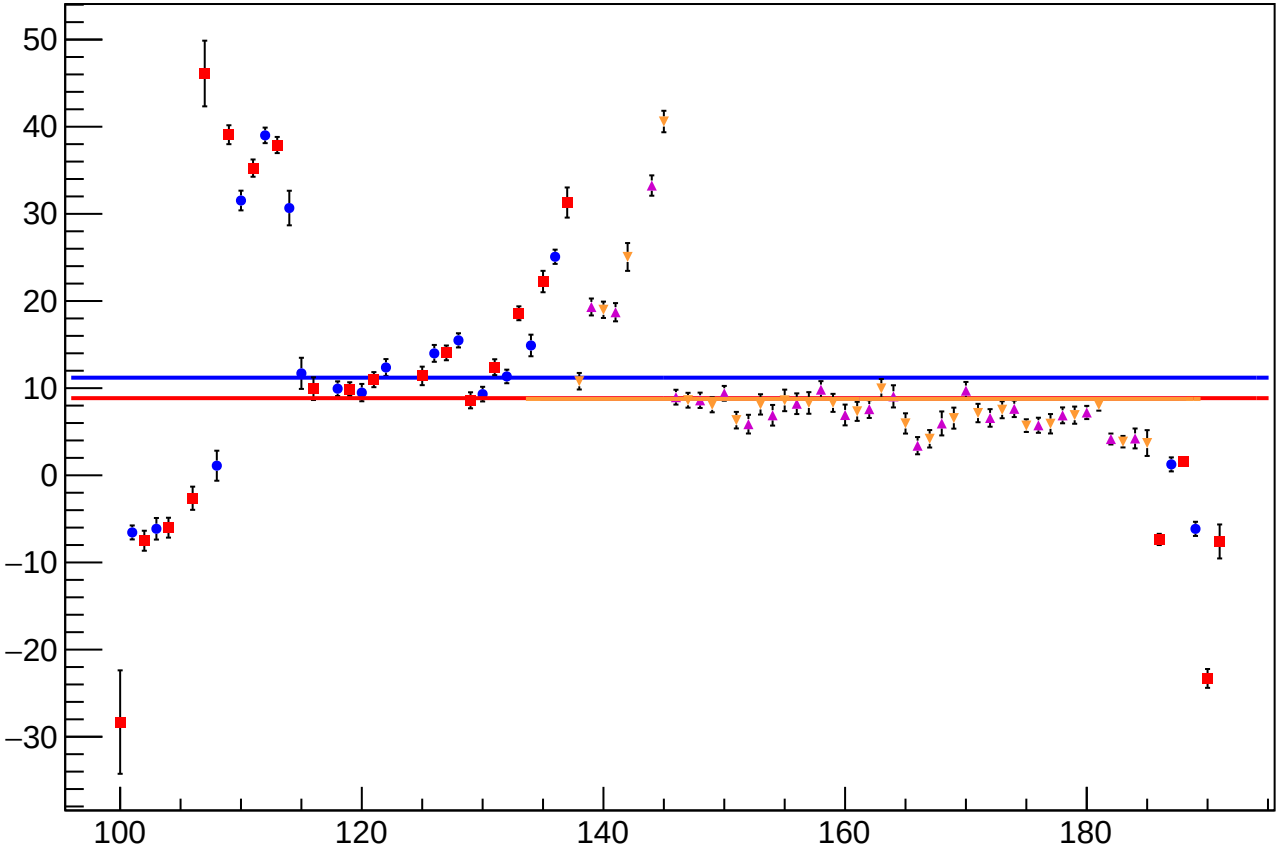
Left In: 1.964+/-0.155 χ^2/NDF:173.2/22

+ sign 3.027+/-0.124 χ^2/NDF: 787.4/41

All: 3.017+/-0.088 χ^2/NDF: 1362.1/86

- sign 3.006+/-0.124 χ^2/NDF: 574.7/44

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: 8.853+/-0.202 χ^2/NDF: 5415.4/21

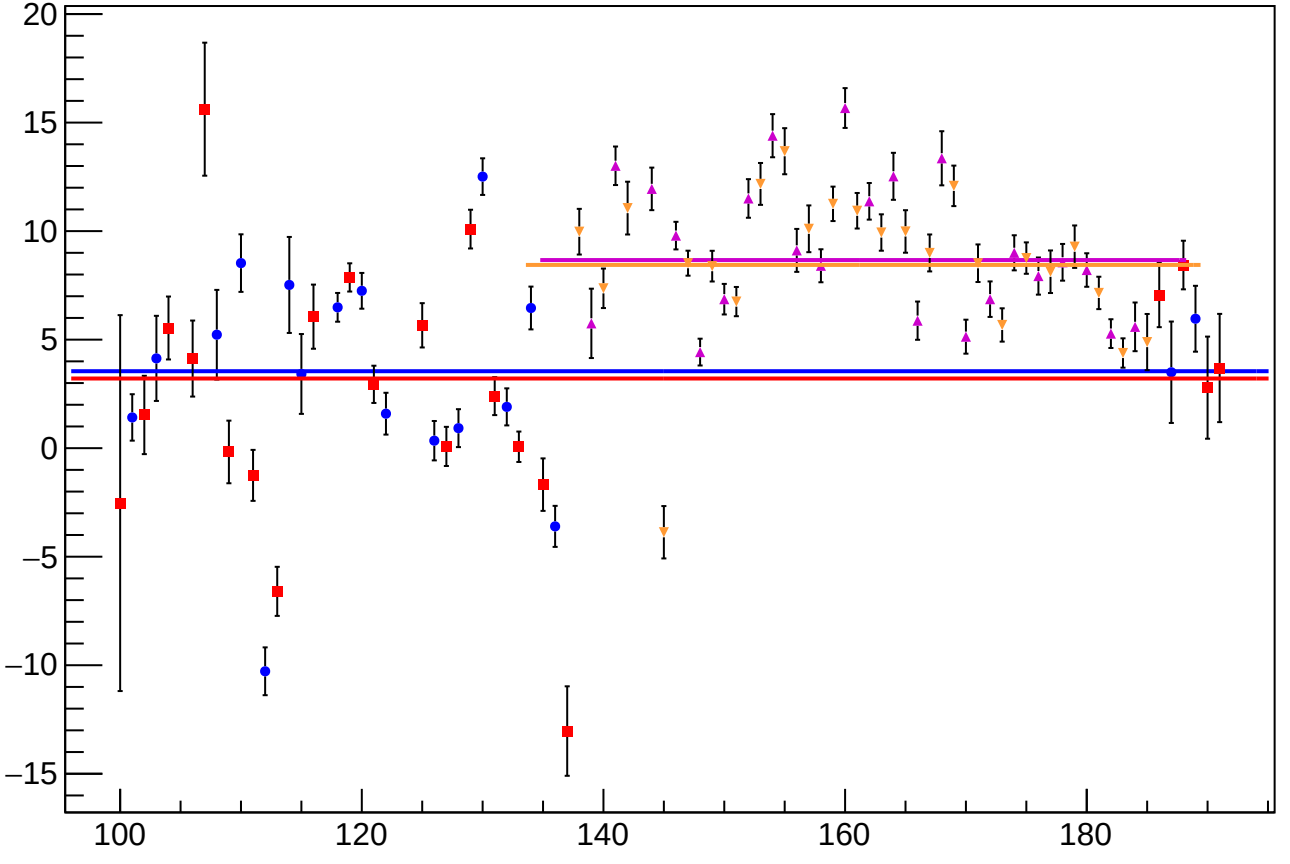
Left In: 8.773+/-0.201 χ^2/NDF:795.1/22

\+ sign 9.836+/-0.150 χ^2/NDF: 4164.7/41

All: 9.298+/-0.103 χ^2/NDF: 10399.6/86

\- sign 8.813+/-0.143 χ^2/NDF: 6210.5/44

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+/-0.245 χ^2/NDF: 376.2/21

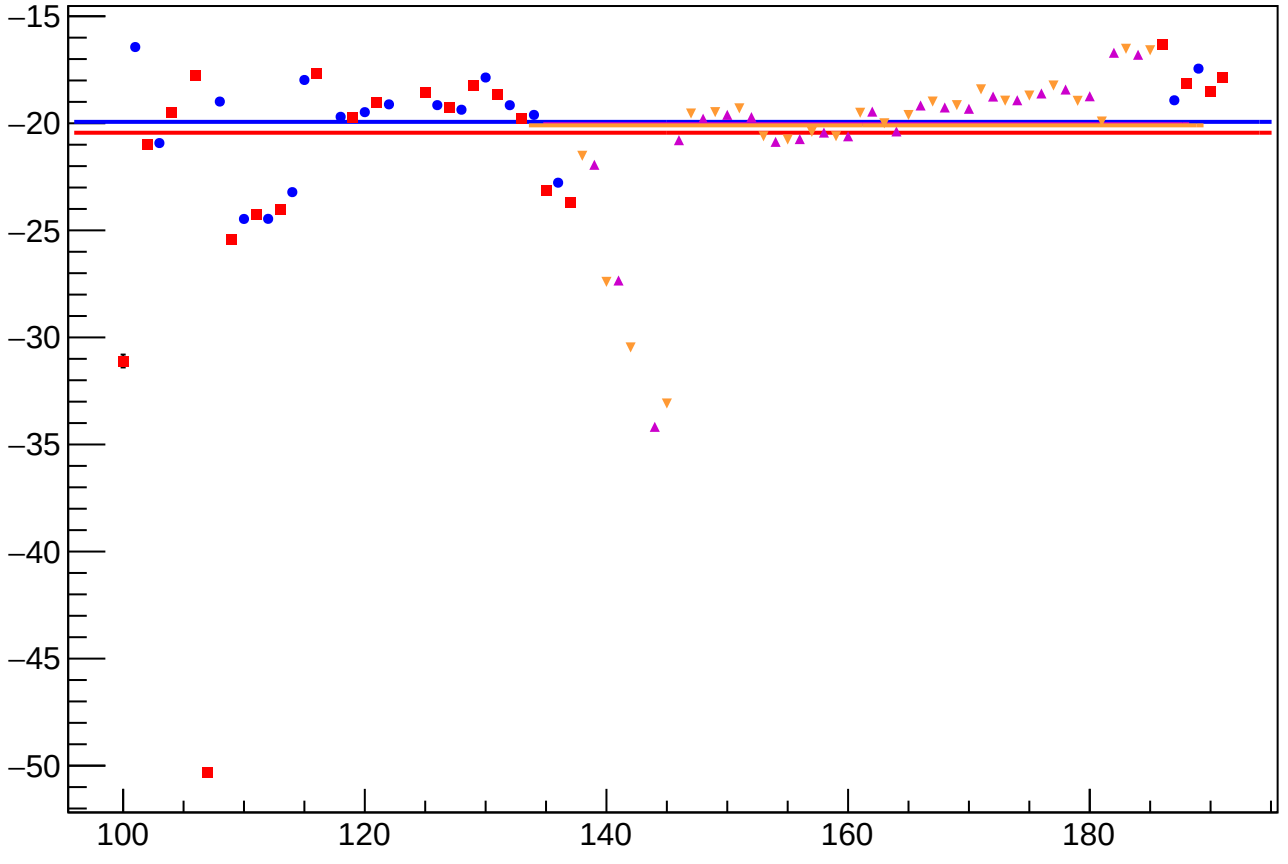
Left In: 8.666+/-0.176 χ^2/NDF:304.8/22

\+ sign 6.840+/-0.142 χ^2/NDF: 955.0/41

All: 6.825+/-0.101 χ^2/NDF: 1964.3/86

\- sign 6.810+/-0.143 χ^2/NDF: 1009.3/44

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: -20.441+/-0.015 χ^2/NDF: 64522.6/21

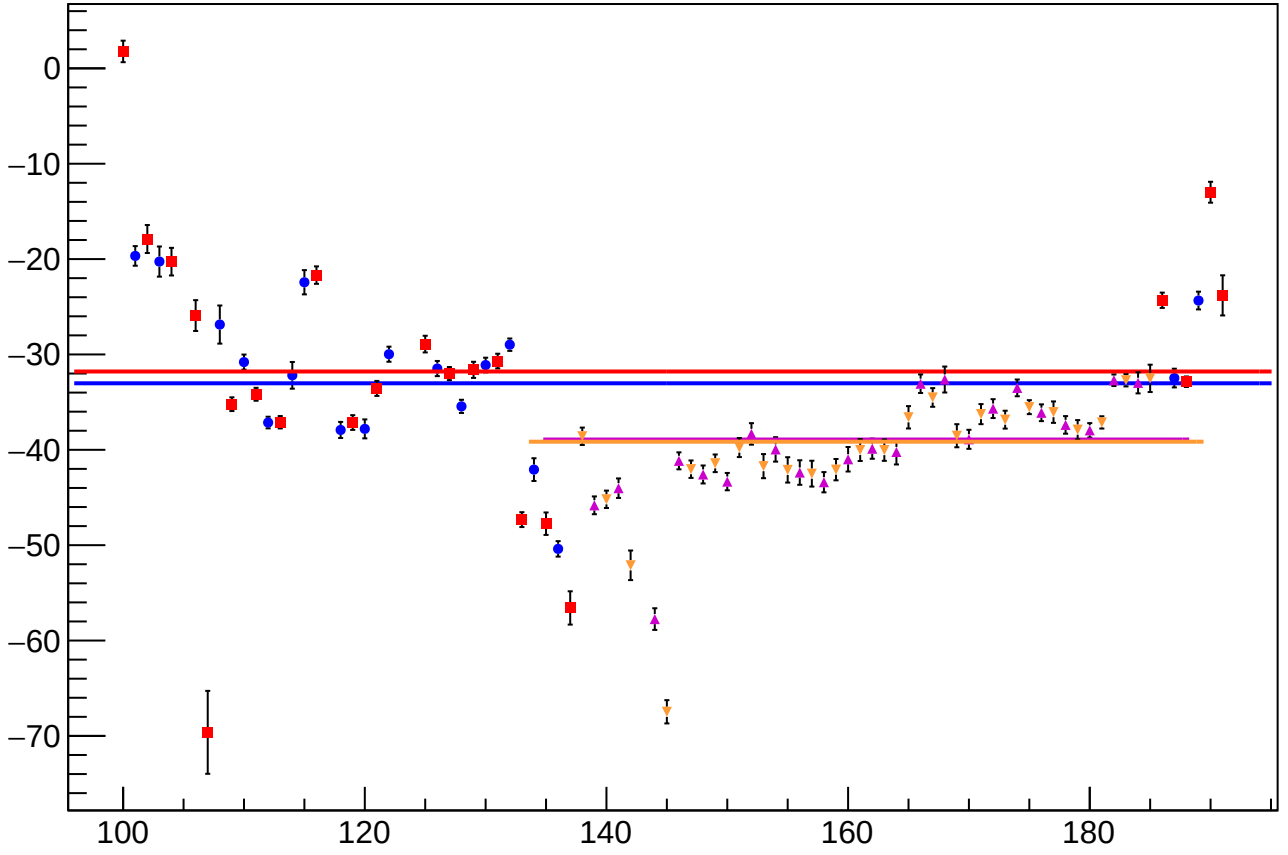
Left In: -20.037+/-0.008 χ^2/NDF:132291.6/22

+ sign -20.062+/-0.007 χ^2/NDF: 181217.5/41

All: -20.095+/-0.005 χ^2/NDF: 378654.3/86

- sign -20.127+/-0.007 χ^2/NDF: 197393.4/44

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: -31.788+/-0.188 χ^2/NDF: 2598.4/21

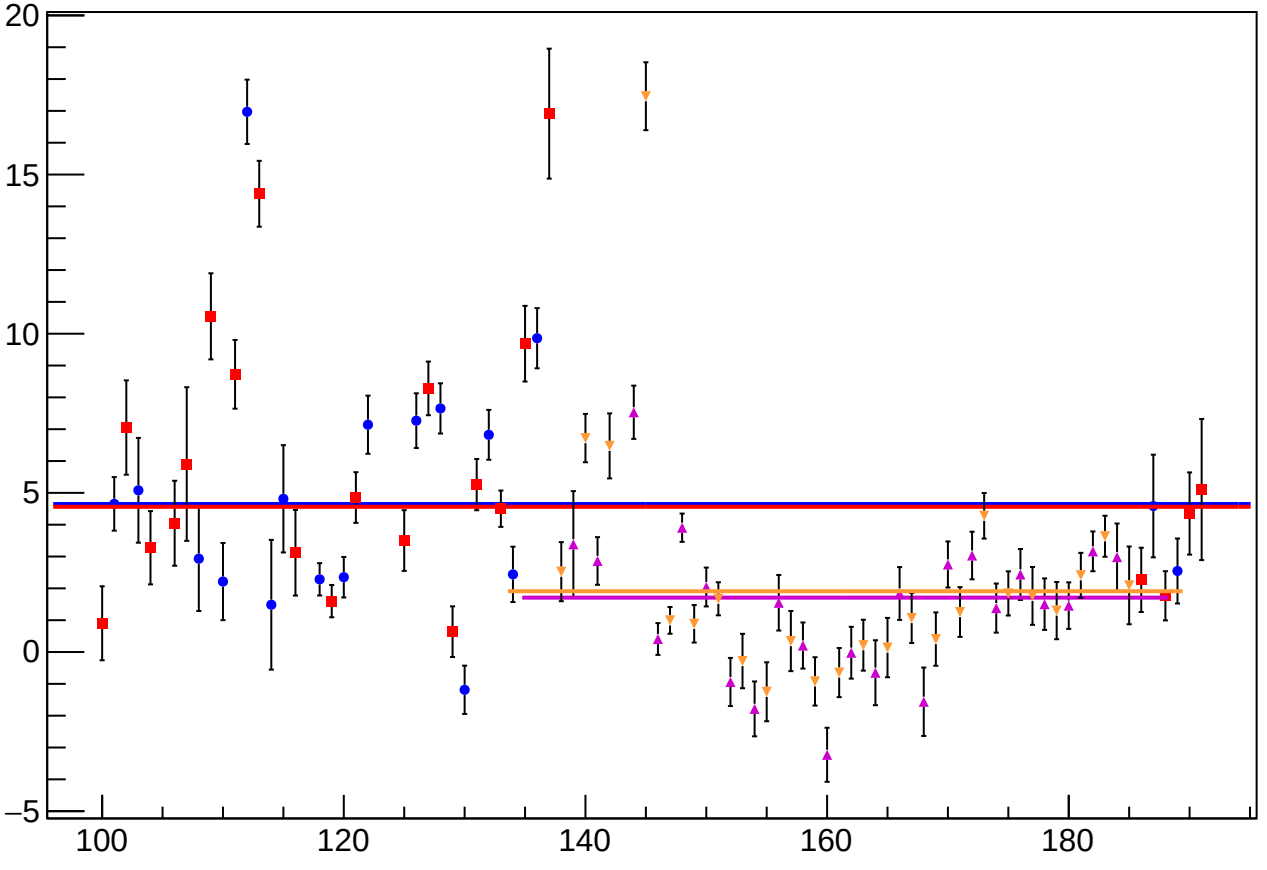
Left In: -38.921+/-0.204 χ^2/NDF:684.4/22

+ sign -36.167+/-0.145 χ^2/NDF: 2445.3/41

All: -35.592+/-0.100 χ^2/NDF: 6419.6/86

- sign -35.070+/-0.138 χ^2/NDF: 3944.3/44

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: 4.562+/-0.204 χ^2/NDF: 293.7/21

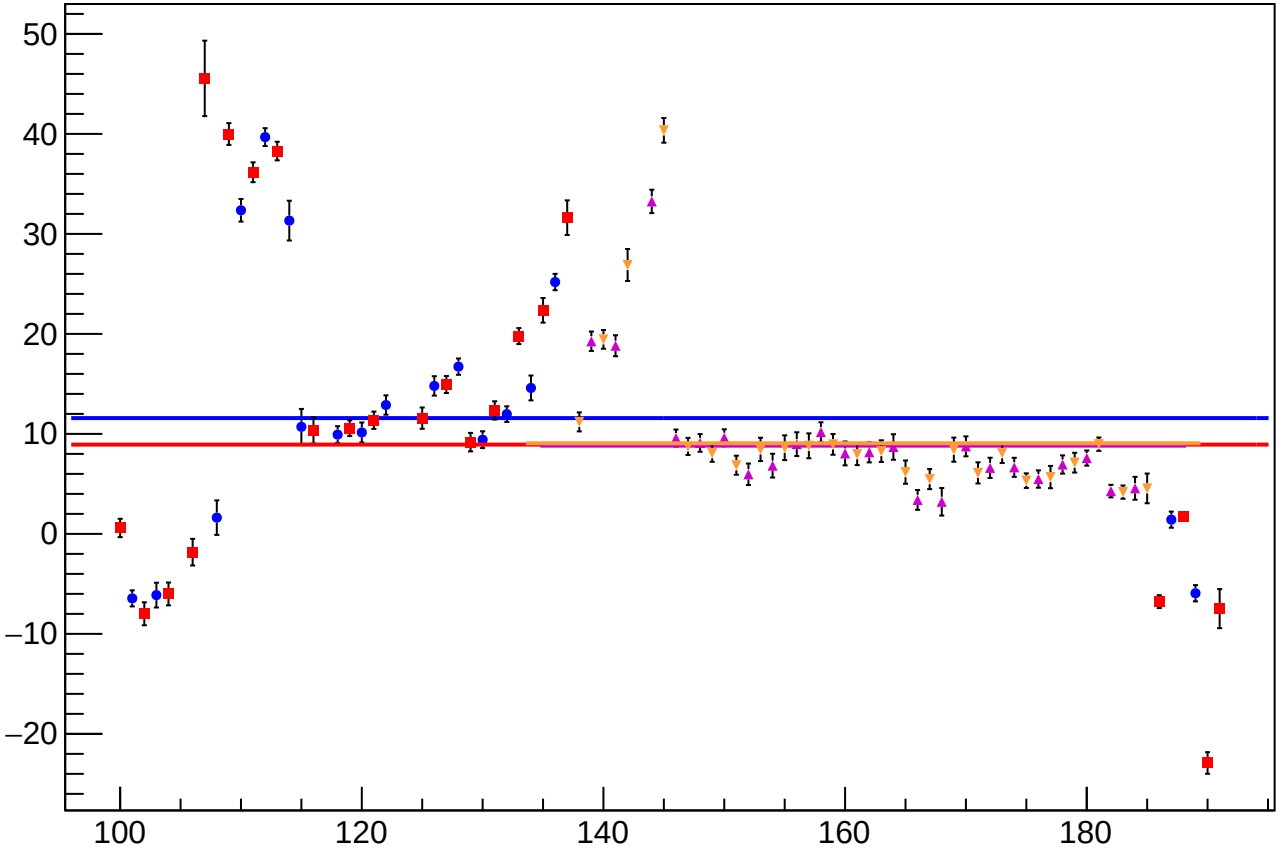
Left In: 1.709+/-0.155 χ^2/NDF:182.6/22

+ sign 2.839+/-0.124 χ^2/NDF: 798.9/41

All: 2.798+/-0.087 χ^2/NDF: 1399.9/86

- sign 2.756+/-0.123 χ^2/NDF: 600.7/44

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: 8.927+/-0.197 χ^2/NDF: 5544.1/21

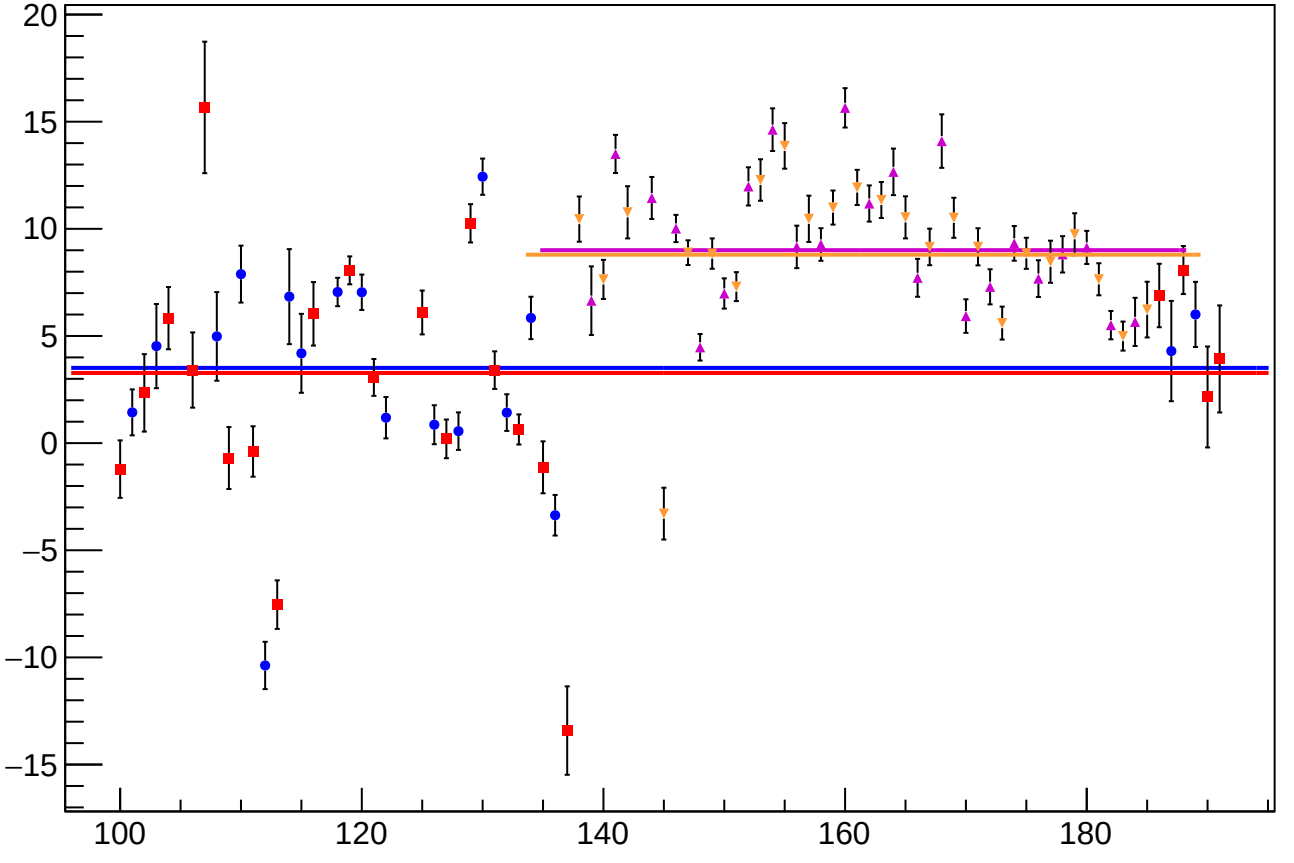
Left In: 8.826+/-0.202 χ^2/NDF:801.4/22

+ sign 10.167+/-0.150 χ^2/NDF: 4234.4/41

All: 9.481+/-0.103 χ^2/NDF: 10619.1/86

- sign 8.878+/-0.141 χ^2/NDF: 6345.6/44

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

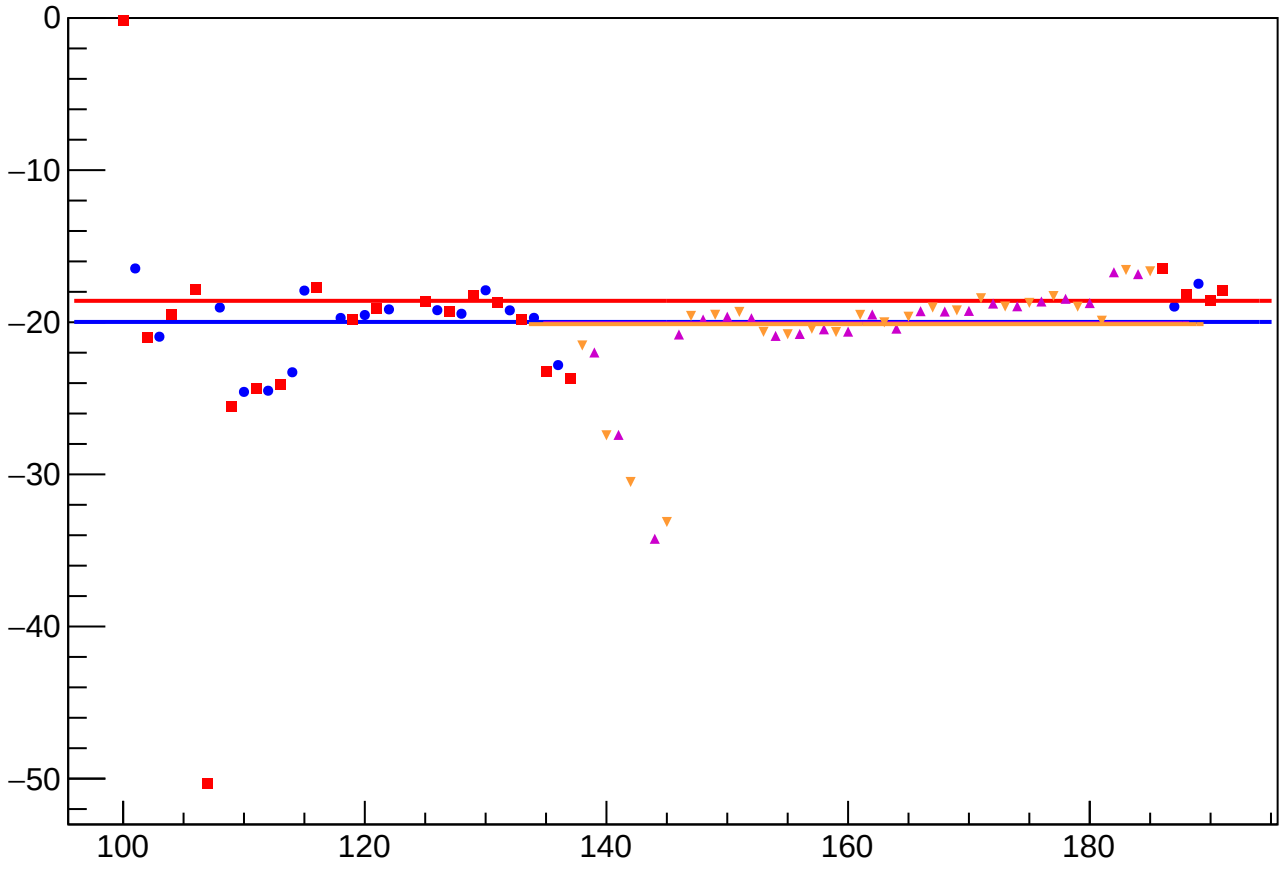
Right Out: 3.274+/-0.241 χ^2/NDF: 394.2/21

Left In: 9.004+/-0.176 χ^2/NDF:289.6/22

\+ sign 7.065+/-0.143 χ^2/NDF: 973.0/41

All: 7.039+/-0.101 χ^2/NDF: 2025.0/86

\- sign 7.014+/-0.142 χ^2/NDF: 1051.9/44



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: -18.591+/-0.014 χ^2/NDF: 235326.5/21

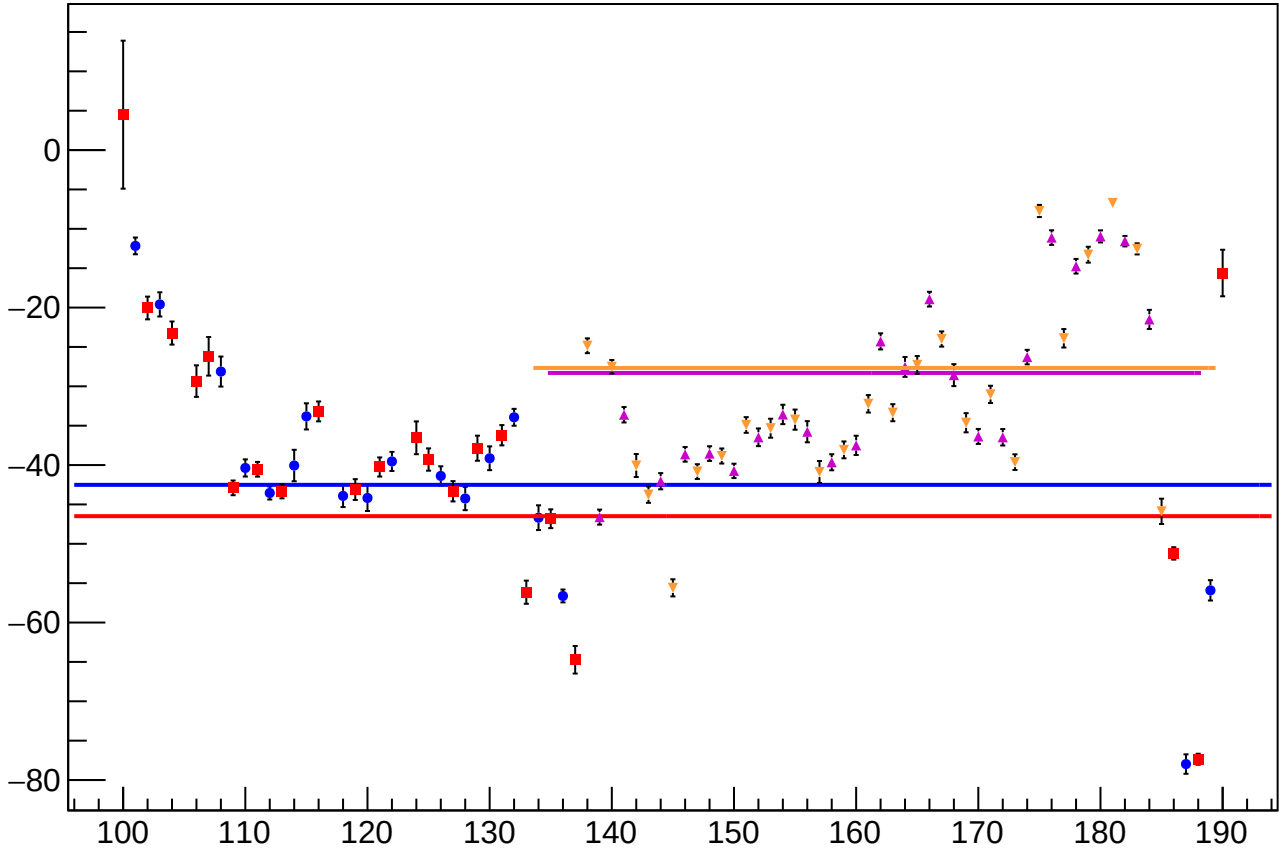
Left In: -20.063+/-0.008 χ^2/NDF:132690.0/22

+ sign -20.093+/-0.007 χ^2/NDF: 180539.2/41

All: -19.898+/-0.005 χ^2/NDF: 558301.2/86

- sign -19.712+/-0.007 χ^2/NDF: 376273.5/44

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: -46.492+/-0.263 χ^2/NDF: 3382.7/21

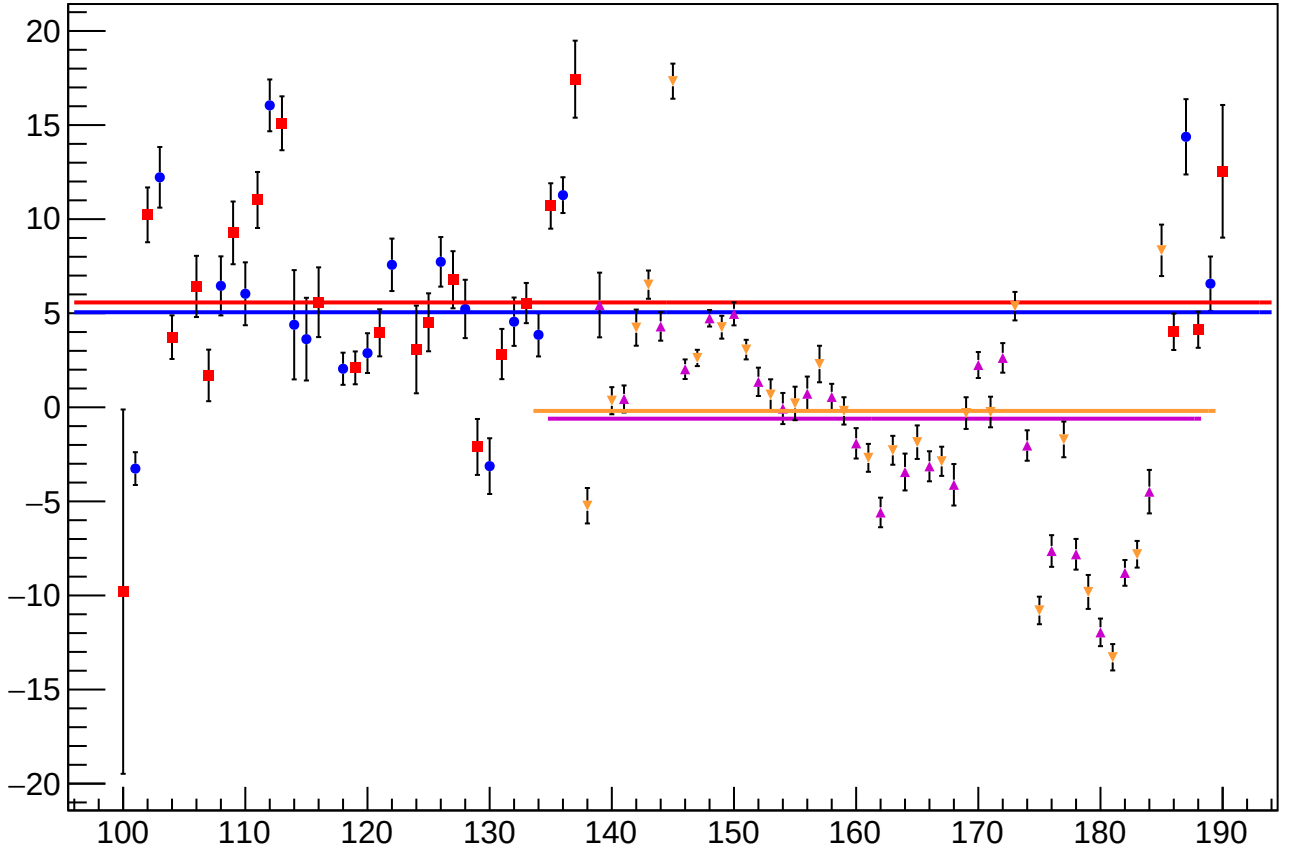
Left In: -28.303+/-0.206 χ^2/NDF:3273.4/22

+ sign -32.393+/-0.166 χ^2/NDF: 8586.3/42

All: -33.821+/-0.116 χ^2/NDF: 18348.5/87

- sign -35.193+/-0.162 χ^2/NDF: 9616.2/44

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: 5.573+/-0.292 χ^2/NDF: 197.2/21

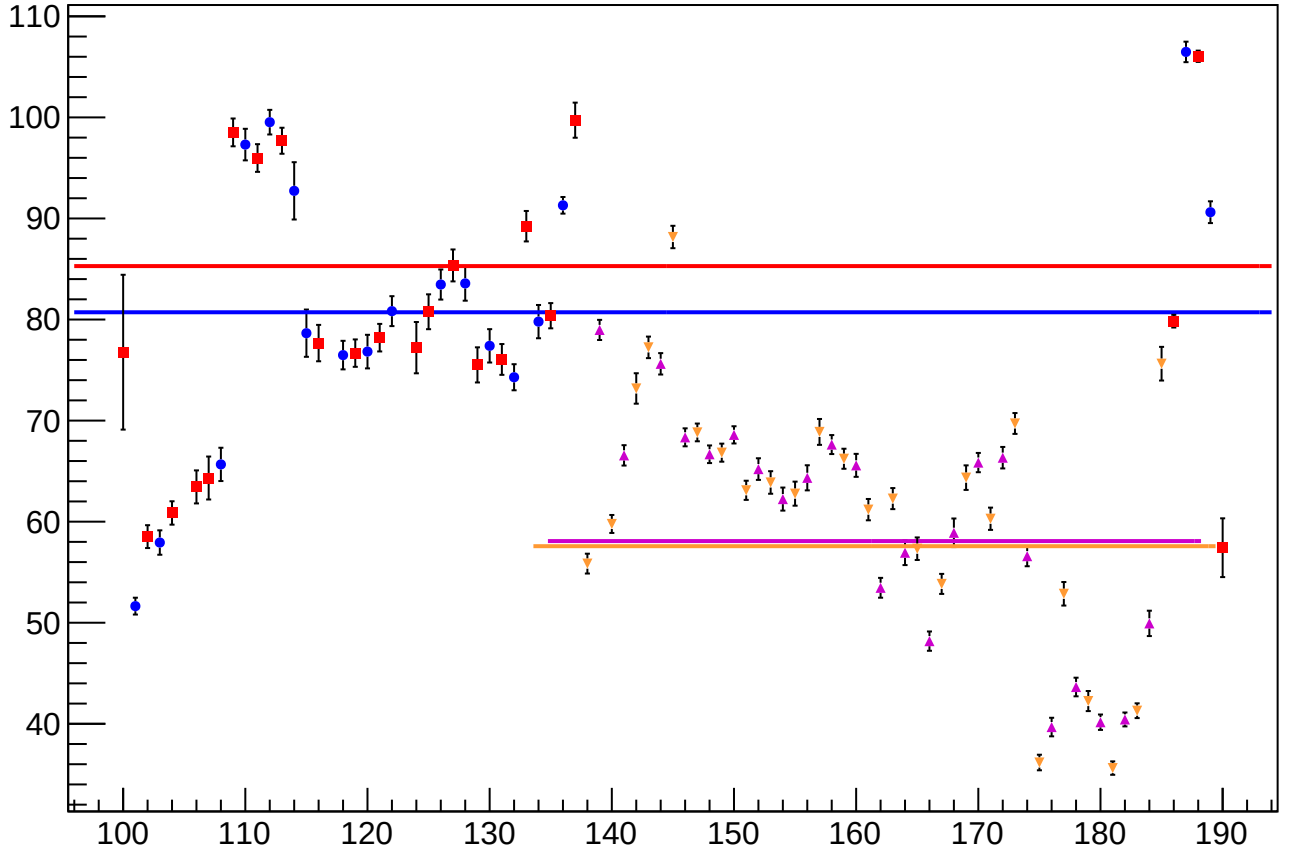
Left In: -0.605+/-0.155 χ^2/NDF:974.6/22

+ sign 0.830+/-0.135 χ^2/NDF: 2080.8/42

All: 0.795+/-0.096 χ^2/NDF: 3602.6/87

- sign 0.759+/-0.137 χ^2/NDF: 1521.7/44

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: 85.288+/-0.266 χ^2/NDF: 3339.9/21

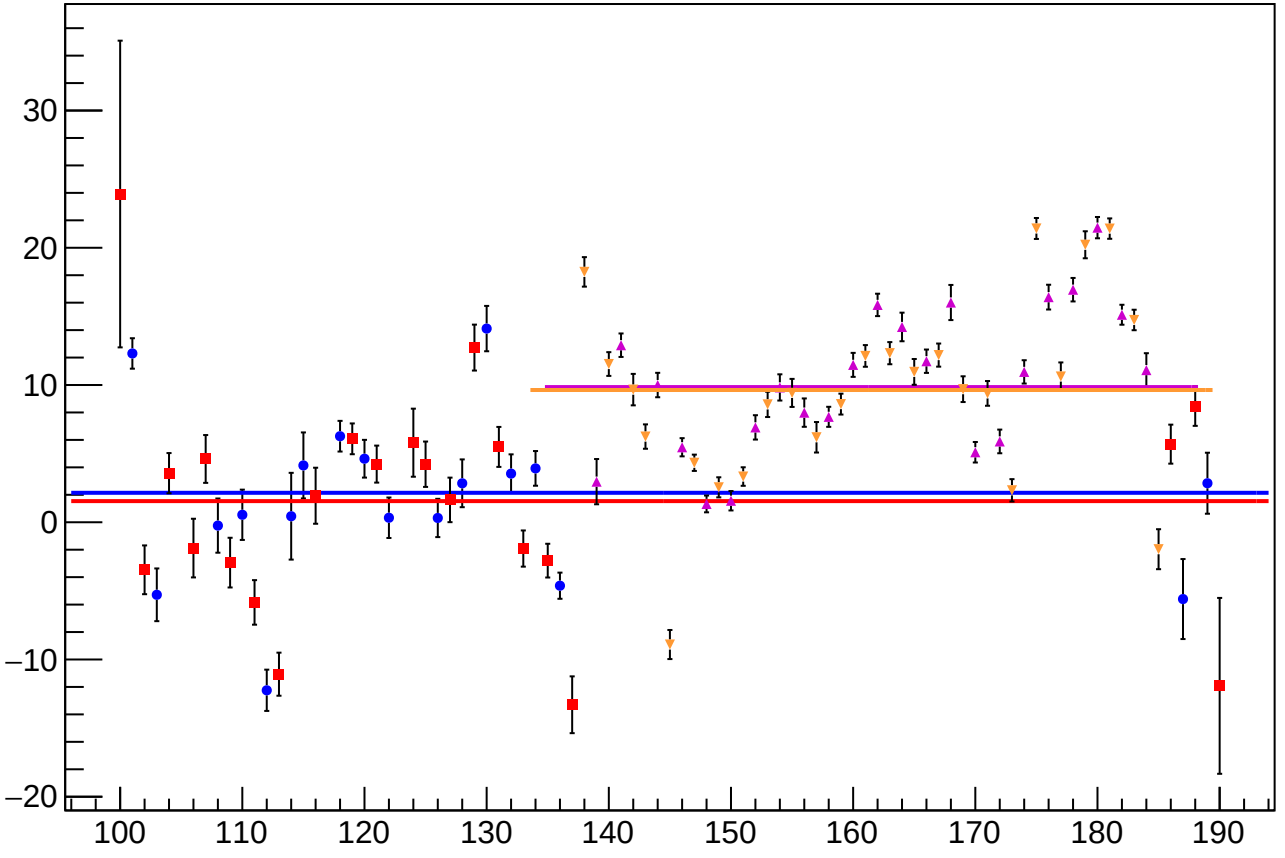
Left In: 58.080+/-0.203 χ^2/NDF:3558.6/22

+ sign 64.436+/-0.167 χ^2/NDF: 11671.3/42

All: 66.336+/-0.116 χ^2/NDF: 25418.6/87

- sign 68.118+/-0.162 χ^2/NDF: 13496.1/44

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: 1.540+/-0.349 χ^2/NDF: 295.8/21

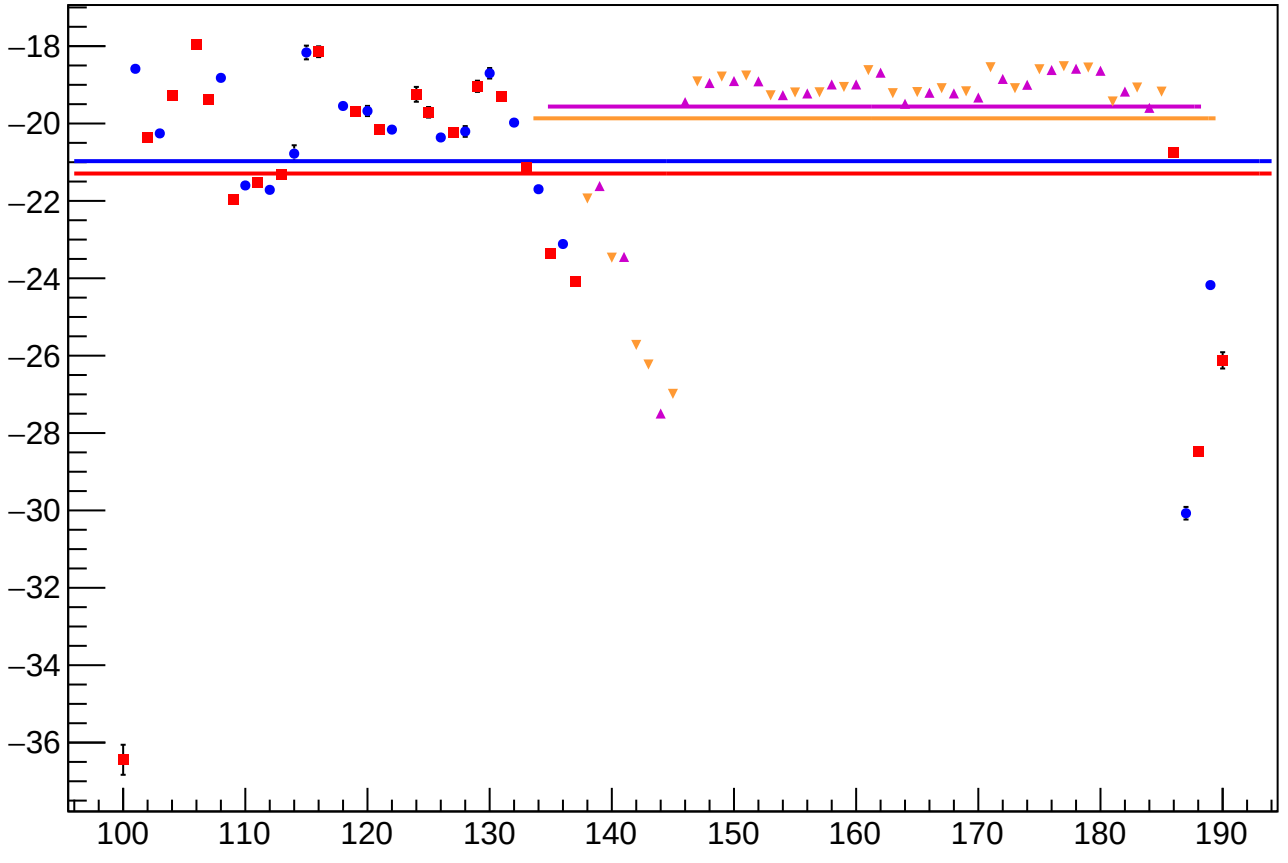
Left In: 9.849+/-0.176 χ^2/NDF:993.0/22

\+ sign 8.224+/-0.154 χ^2/NDF: 2178.3/42

All: 8.192+/-0.110 χ^2/NDF: 3919.3/87

\- sign 8.158+/-0.157 χ^2/NDF: 1740.9/44

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: -21.293+/-0.019 χ^2/NDF: 19274.2/21

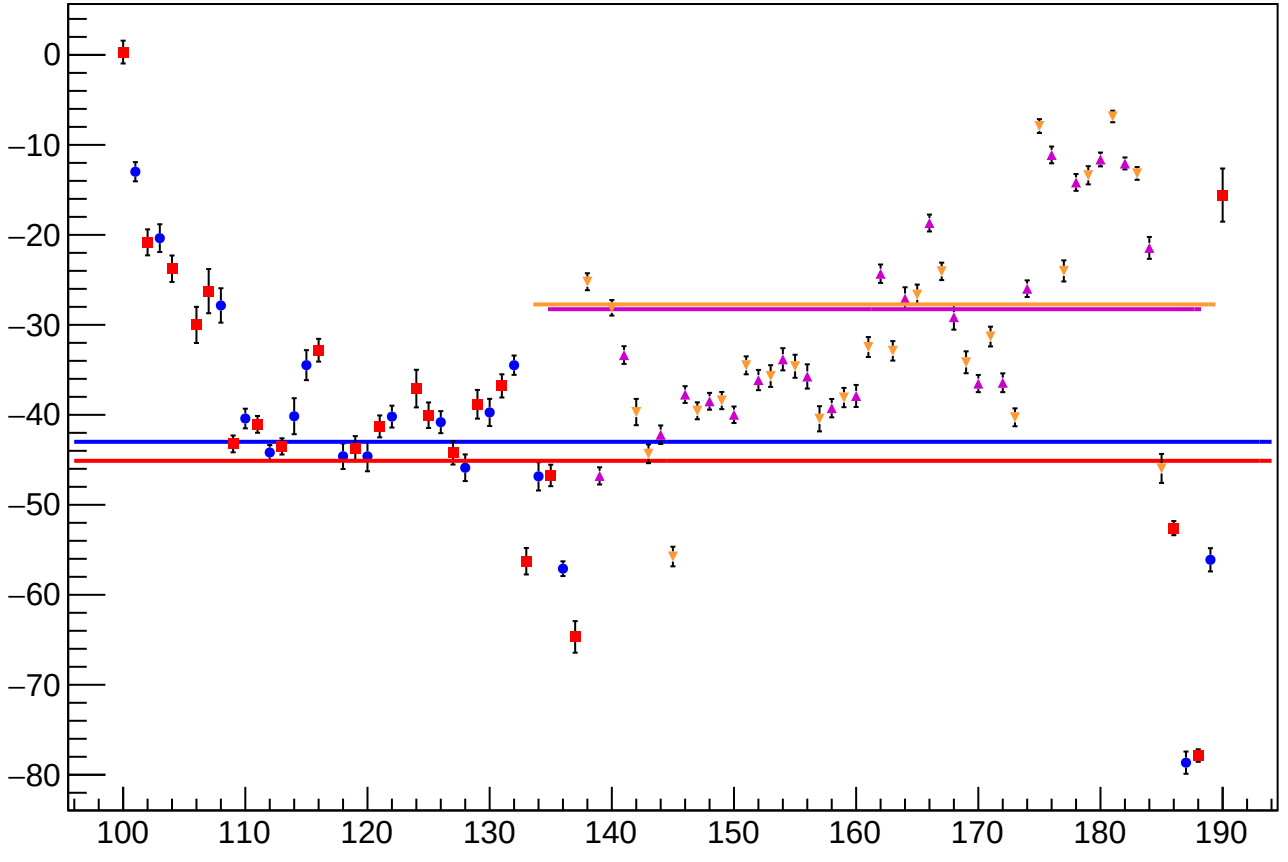
Left In: -19.562+/-0.008 χ^2/NDF:45172.6/22

+ sign -20.028+/-0.007 χ^2/NDF: 93641.6/42

All: -19.924+/-0.005 χ^2/NDF: 165503.3/87

- sign -19.817+/-0.007 χ^2/NDF: 71444.6/44

reg_asym_right_dd_diff_bpm1X_slope vs Slug



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: -45.110+/-0.258 χ^2/NDF: 4693.4/21

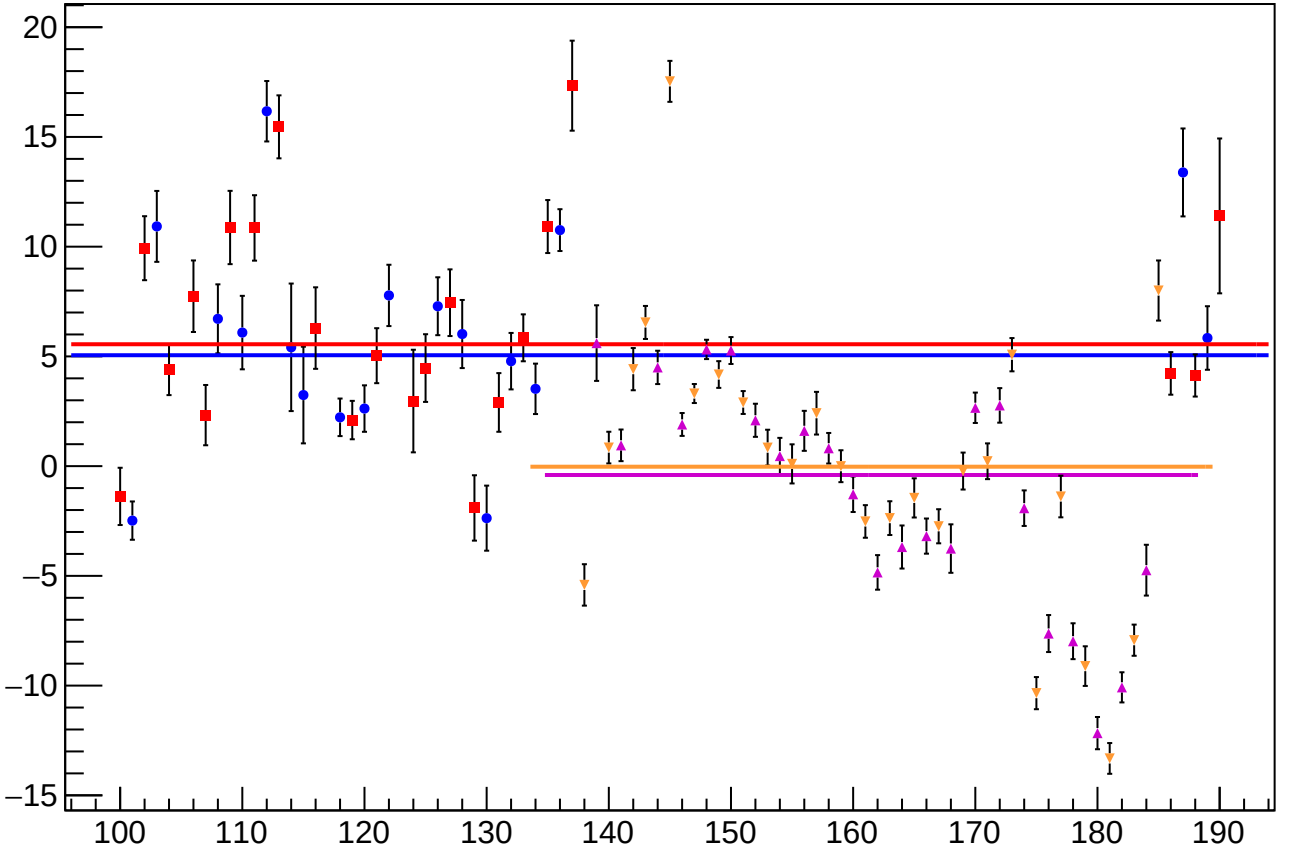
Left In: -28.260+/-0.206 χ^2/NDF:3172.7/22

+ sign -32.589+/-0.166 χ^2/NDF: 8568.6/42

All: -33.732+/-0.116 χ^2/NDF: 19124.6/87

- sign -34.812+/-0.161 χ^2/NDF: 10463.5/44

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: 5.554+/-0.285 χ^2/NDF: 223.9/21

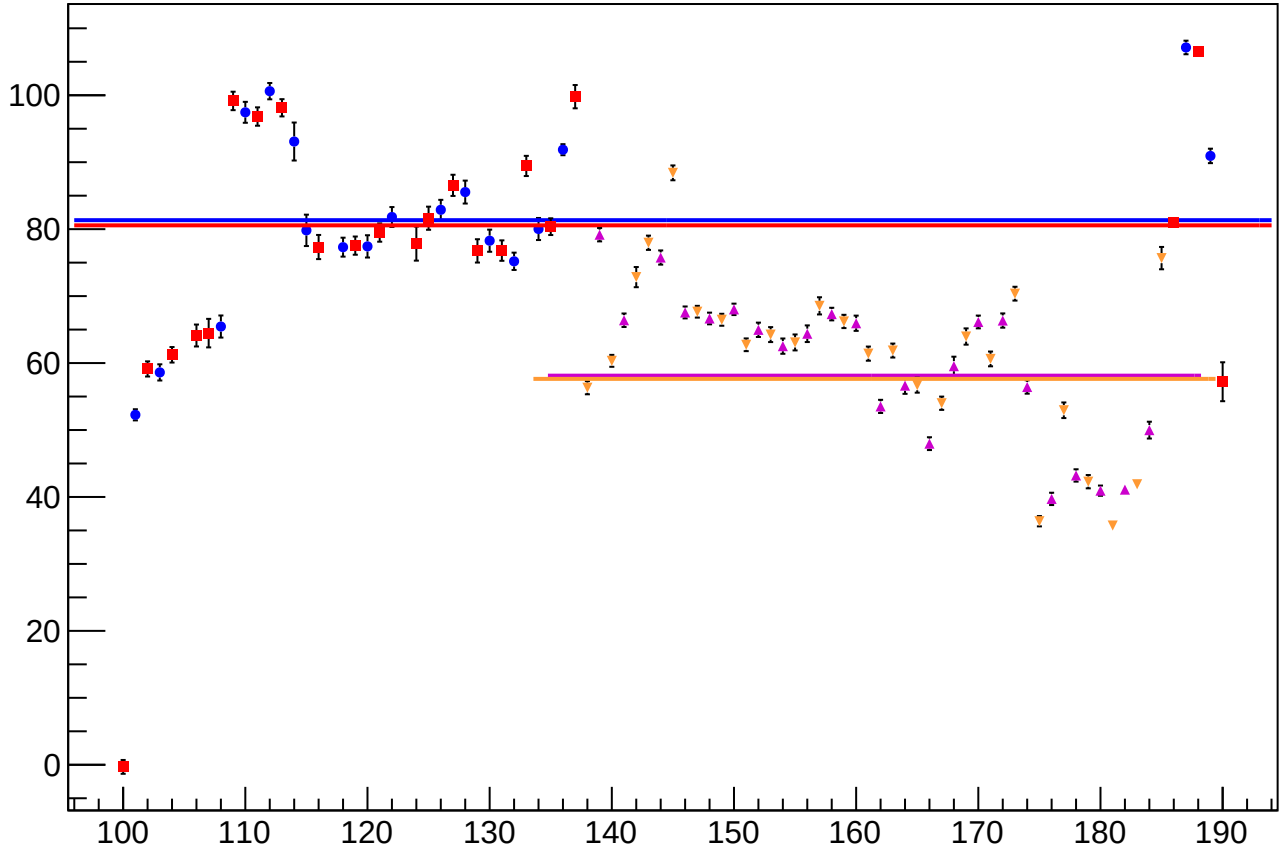
Left In: -0.404+/-0.155 χ^2/NDF:1084.1/22

+ sign 0.964+/-0.135 χ^2/NDF: 2013.0/42

All: 0.963+/-0.096 χ^2/NDF: 3657.7/87

- sign 0.962+/-0.136 χ^2/NDF: 1644.7/44

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: 80.570+/-0.258 χ^2/NDF: 9839.4/21

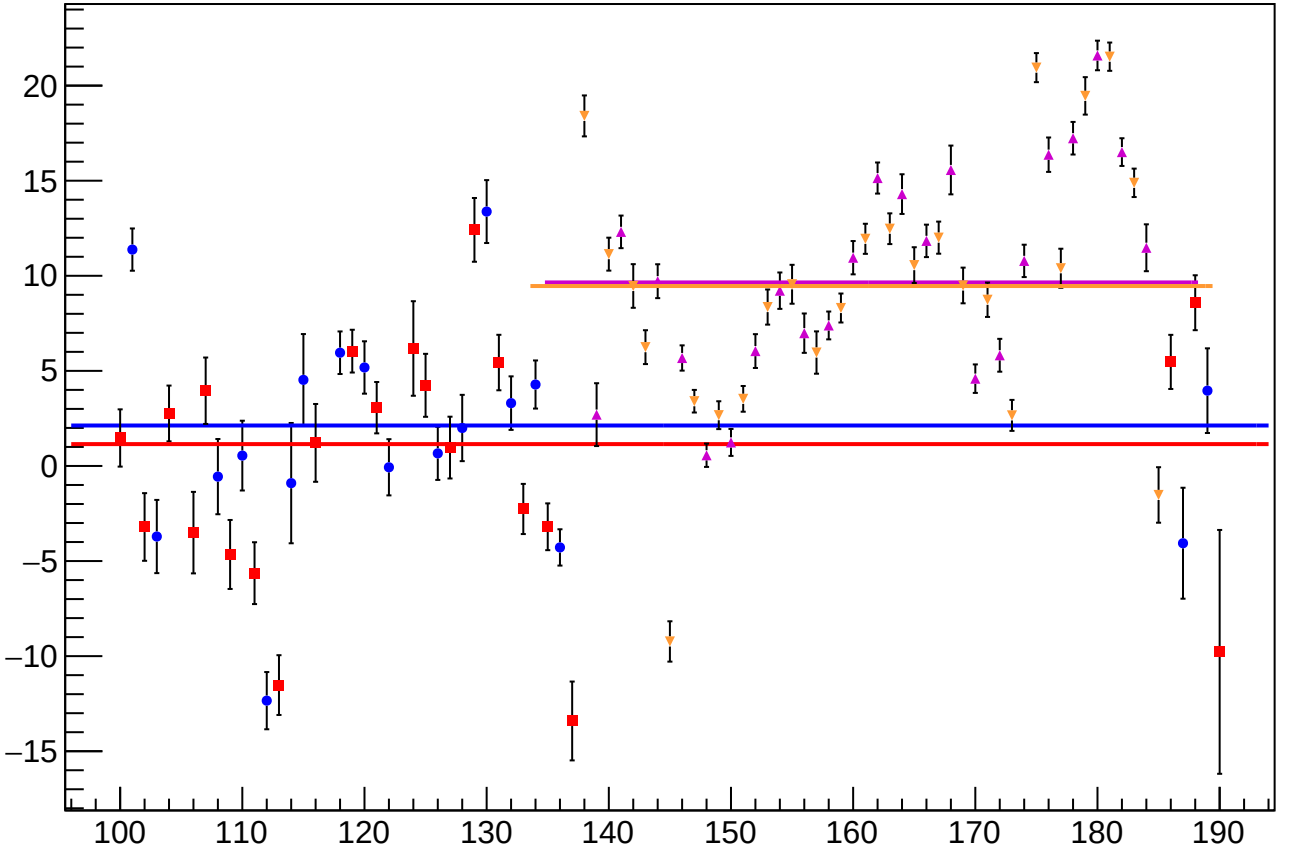
Left In: 58.117+/-0.204 χ^2/NDF:3443.9/22

\+ sign 64.665+/-0.167 χ^2/NDF: 11777.0/42

All: 65.748+/-0.116 χ^2/NDF: 29799.3/87

\- sign 66.739+/-0.160 χ^2/NDF: 17941.9/44

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: 1.149+/-0.340 χ^2/NDF: 296.6/21

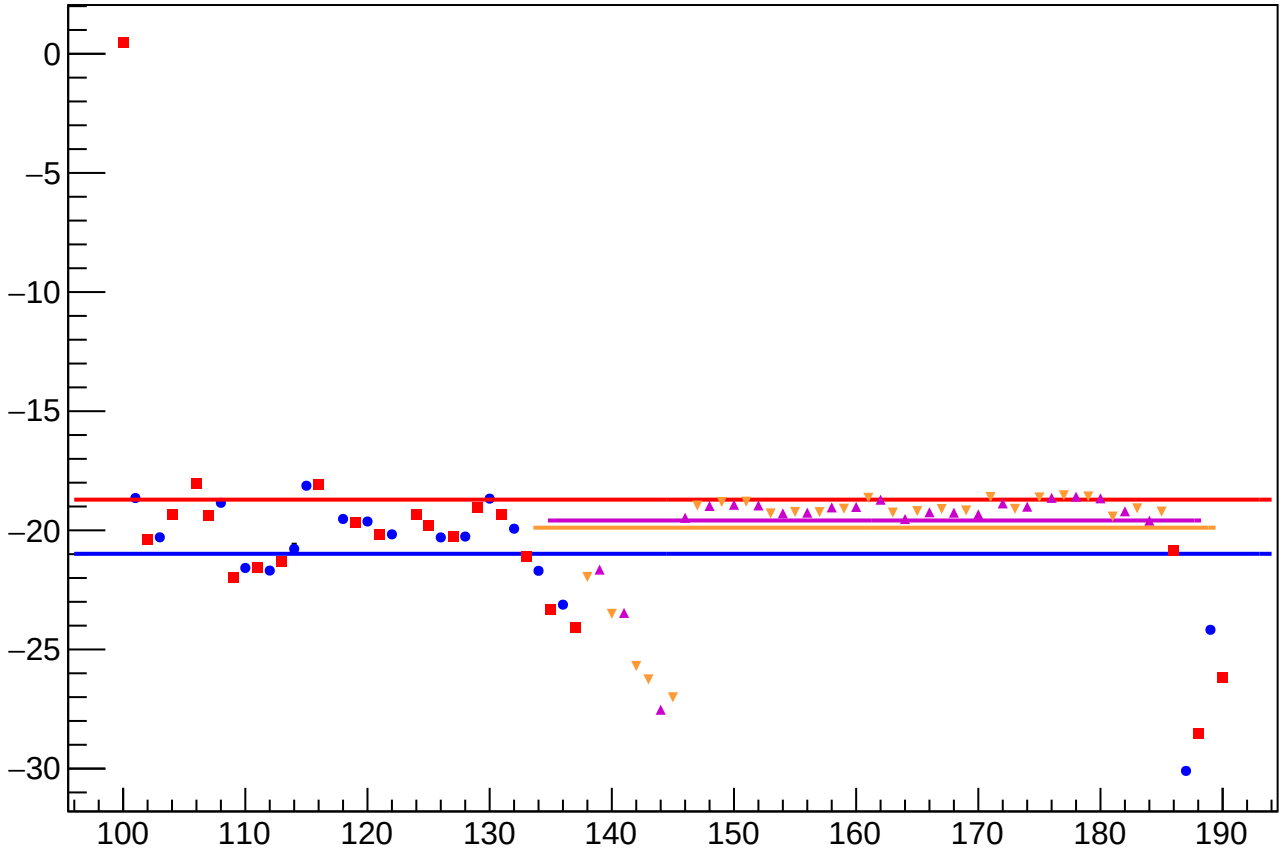
Left In: 9.650+/-0.177 χ^2/NDF:1078.5/22

+ sign 8.079+/-0.155 χ^2/NDF: 2122.7/42

All: 7.964+/-0.110 χ^2/NDF: 3990.4/87

- sign 7.847+/-0.157 χ^2/NDF: 1866.6/44

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: -18.712+/-0.018 χ^2/NDF: 169819.0/21

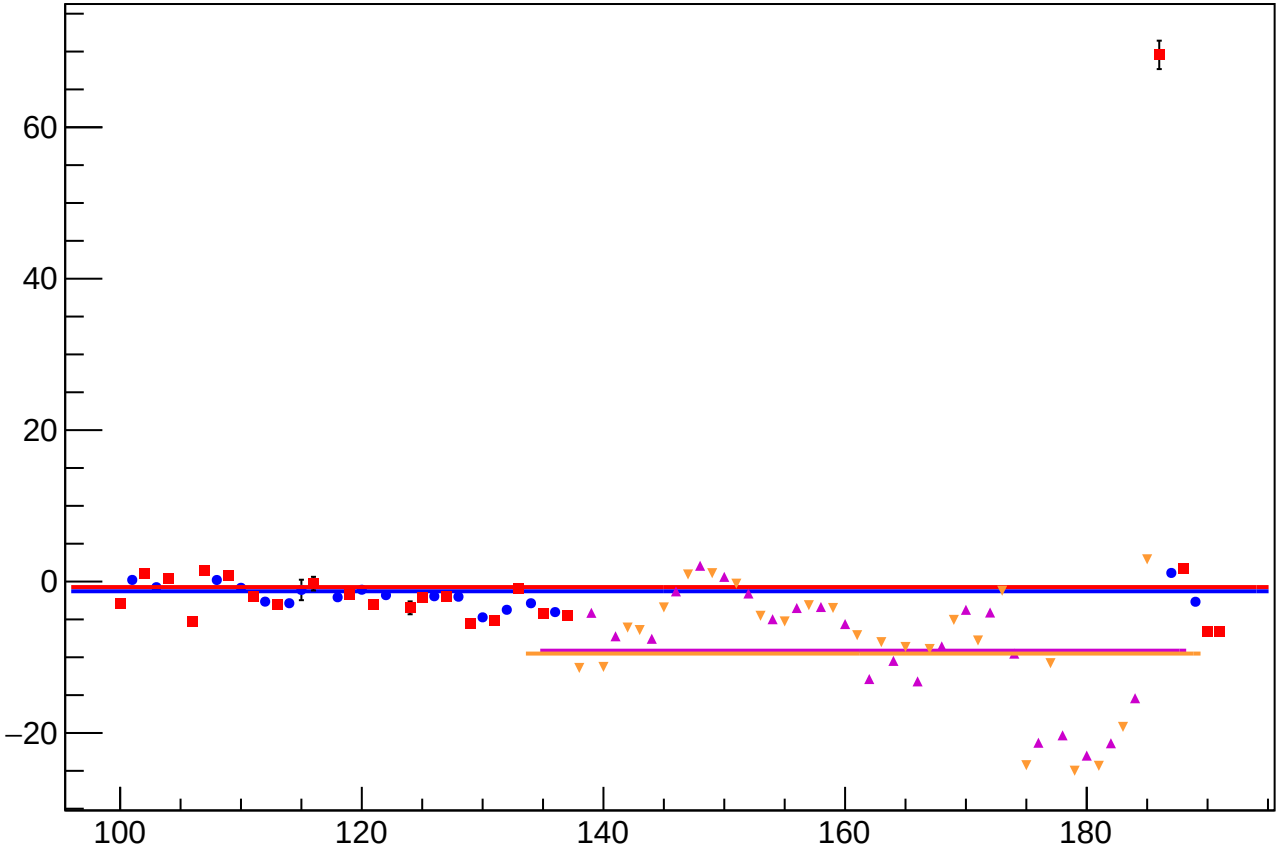
Left In: -19.586+/-0.008 χ^2/NDF:45085.3/22

+ sign -20.049+/-0.007 χ^2/NDF: 93067.2/42

All: -19.747+/-0.005 χ^2/NDF: 313421.4/87

- sign -19.443+/-0.007 χ^2/NDF: 216881.1/44

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

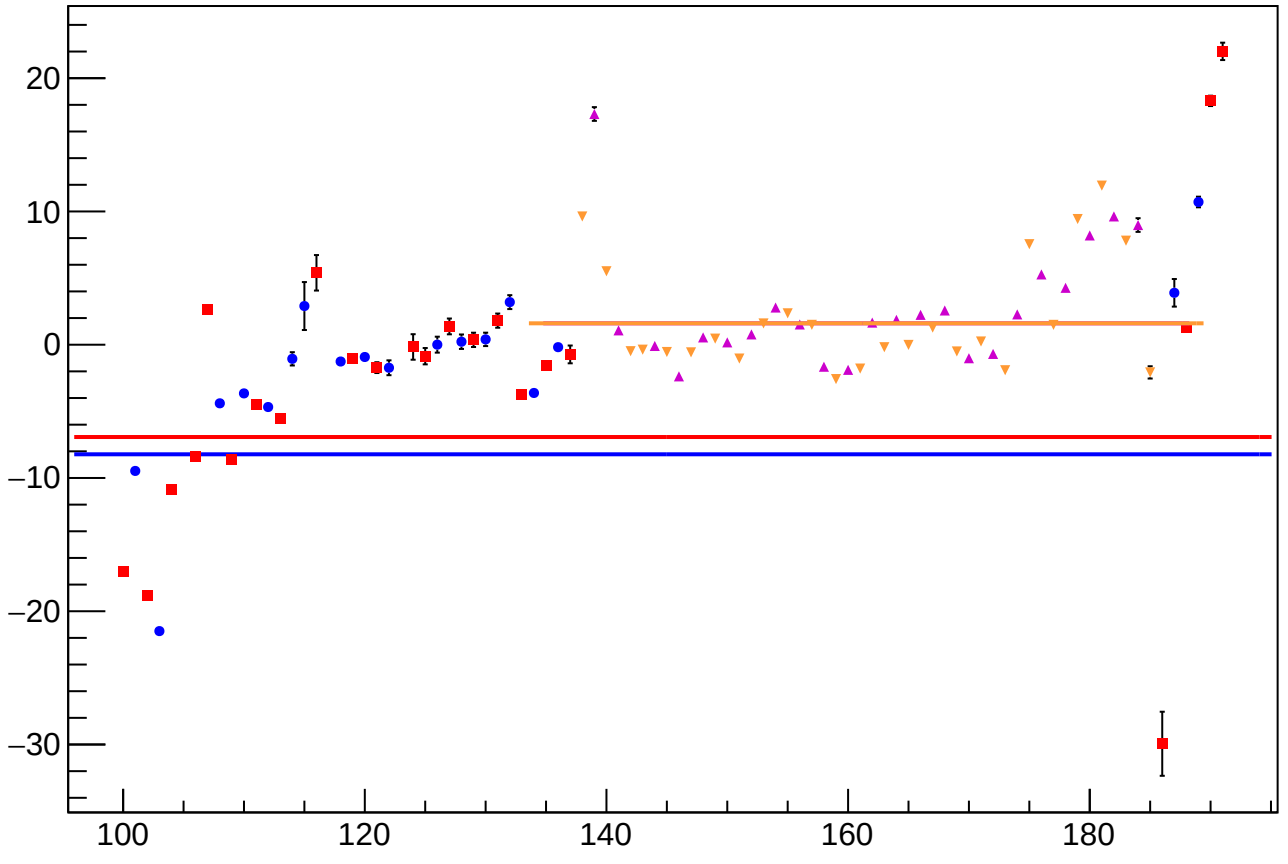
Right Out: -0.729+/-0.048 χ^2/NDF: 3341.4/22

Left In: -9.131+/-0.075 χ^2/NDF:10390.6/22

+ sign -4.192+/-0.043 χ^2/NDF: 21860.5/42

All: -3.673+/-0.030 χ^2/NDF: 44758.1/88

- sign -3.213+/-0.041 χ^2/NDF: 22625.4/45



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: -6.927+/-0.055 χ^2/NDF: 22015.1/22

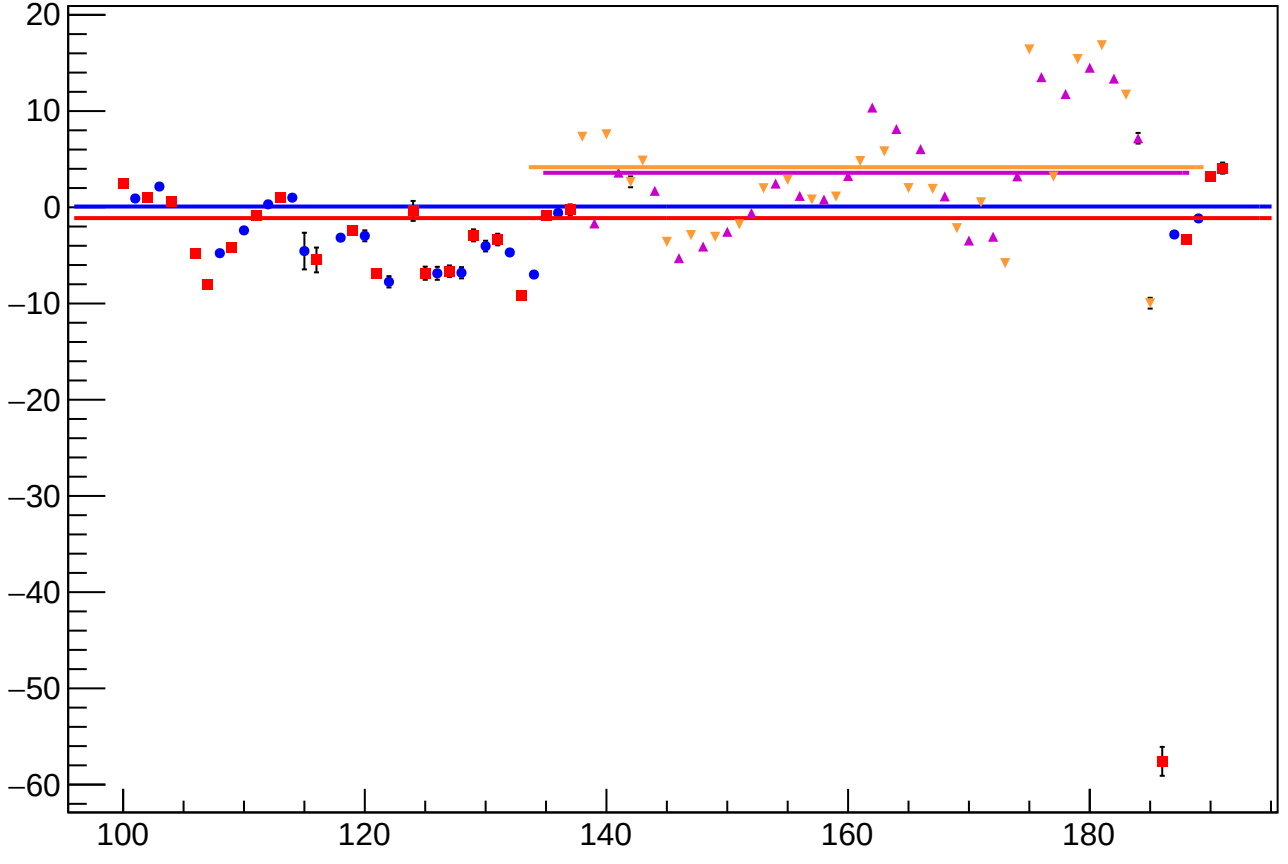
Left In: 1.605+/-0.058 χ^2/NDF:3656.4/22

+ sign -3.211+/-0.039 χ^2/NDF: 36497.4/42

All: -3.023+/-0.028 χ^2/NDF: 73587.0/88

- sign -2.829+/-0.040 χ^2/NDF: 37043.3/45

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: -1.124+/-0.050 χ^2/NDF: 4868.6/22

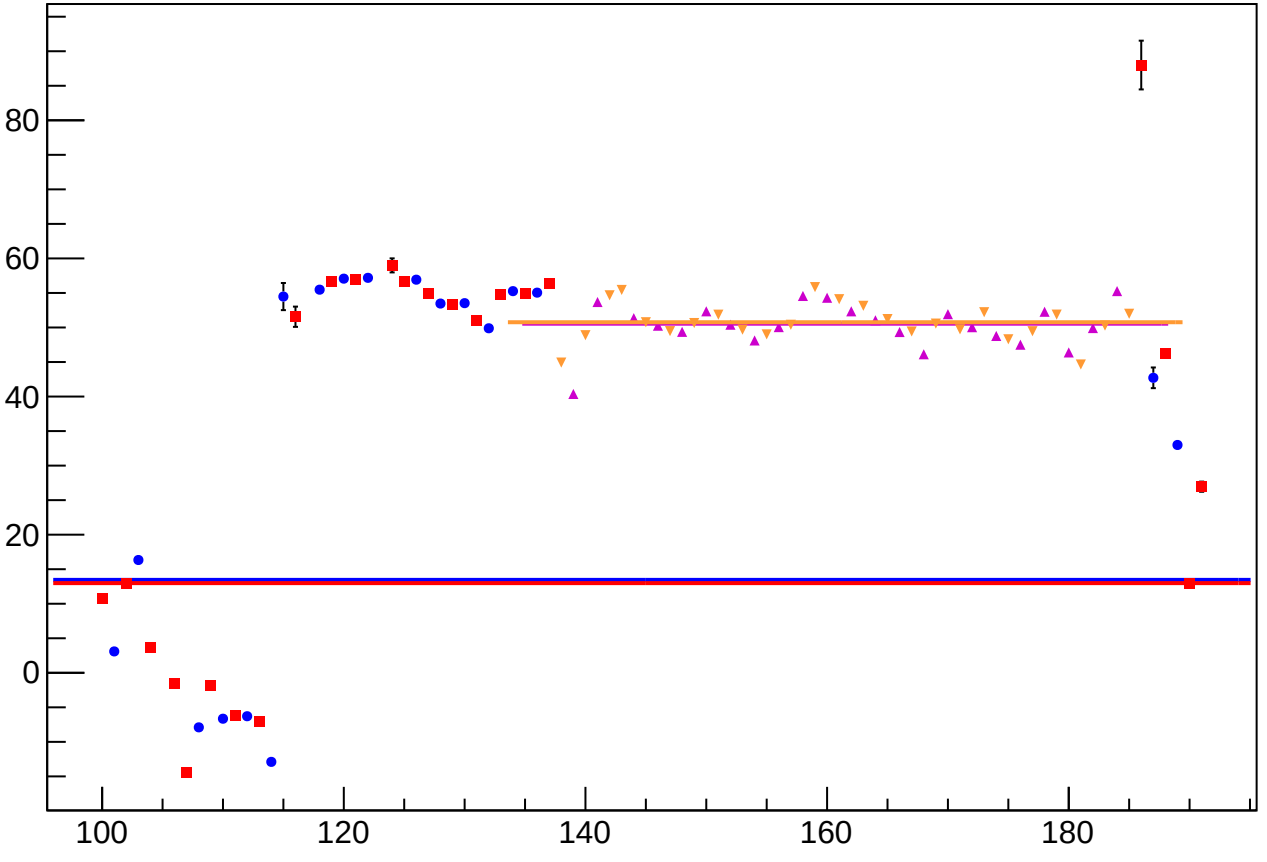
Left In: 3.584+/-0.074 χ^2/NDF:7228.4/22

+ sign 1.479+/-0.042 χ^2/NDF: 13366.5/42

All: 0.894+/-0.029 χ^2/NDF: 28633.1/88

- sign 0.337+/-0.041 χ^2/NDF: 14891.7/45

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: 12.985+/-0.066 χ^2/NDF: 126605.1/22

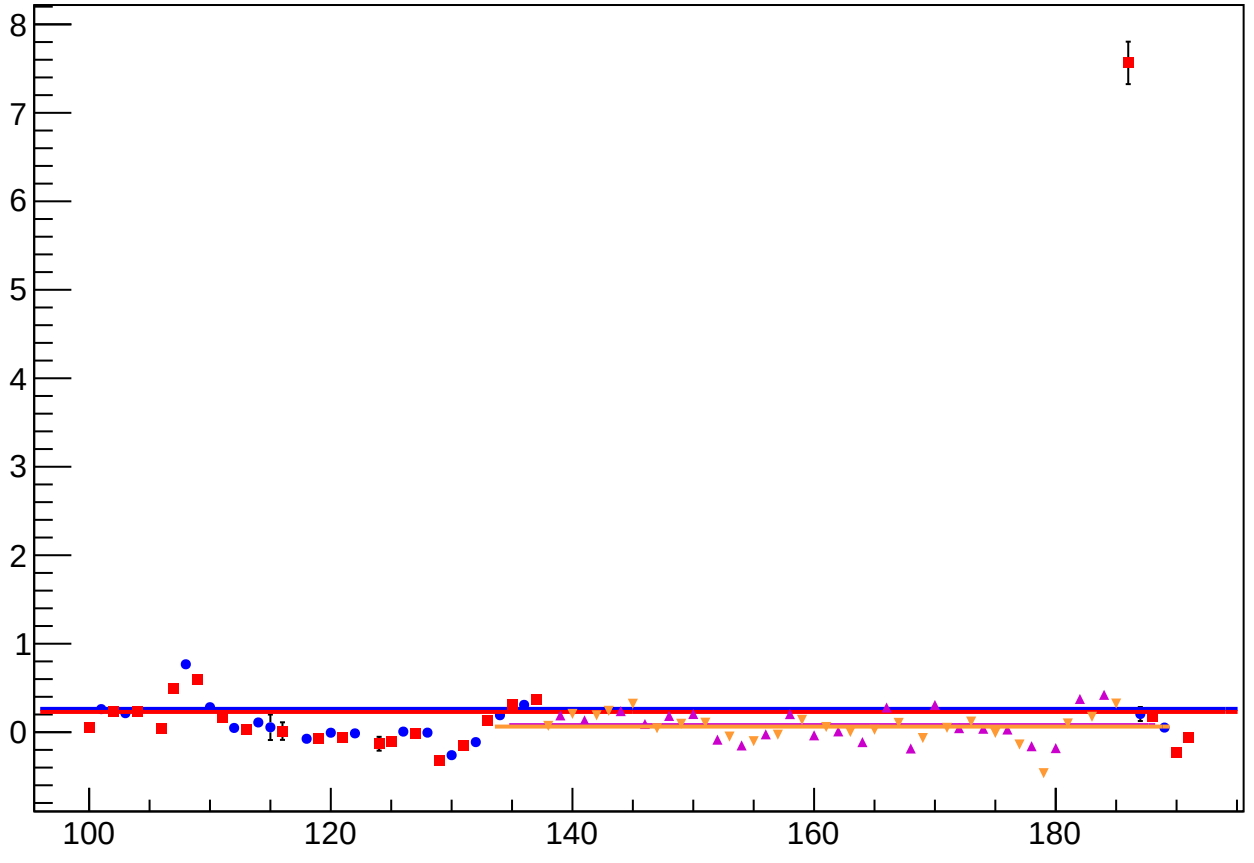
Left In: 50.550+/-0.065 χ^2/NDF:1717.7/22

+ sign 33.540+/-0.046 χ^2/NDF: 276616.8/42

All: 32.874+/-0.033 χ^2/NDF: 569749.8/88

- sign 32.193+/-0.046 χ^2/NDF: 292705.6/45

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: 0.229+/-0.003 χ^2/NDF: 3891.4/22

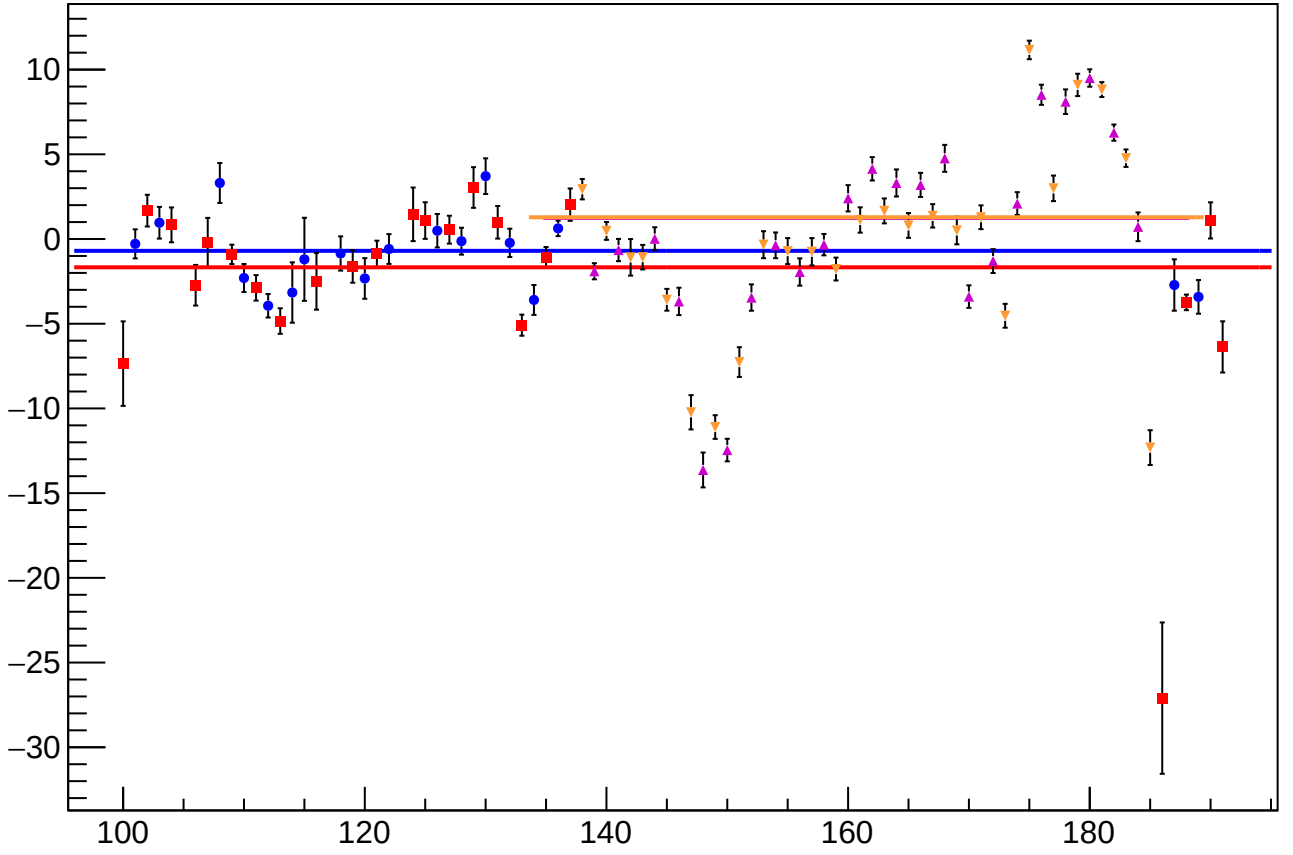
Left In: 0.080+/-0.003 χ^2/NDF:3446.5/22

+ sign 0.164+/-0.002 χ^2/NDF: 8995.8/42

All: 0.161+/-0.001 χ^2/NDF: 17811.2/88

- sign 0.159+/-0.002 χ^2/NDF: 8811.1/45

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: -1.669+/-0.183 χ^2/NDF: 204.8/22

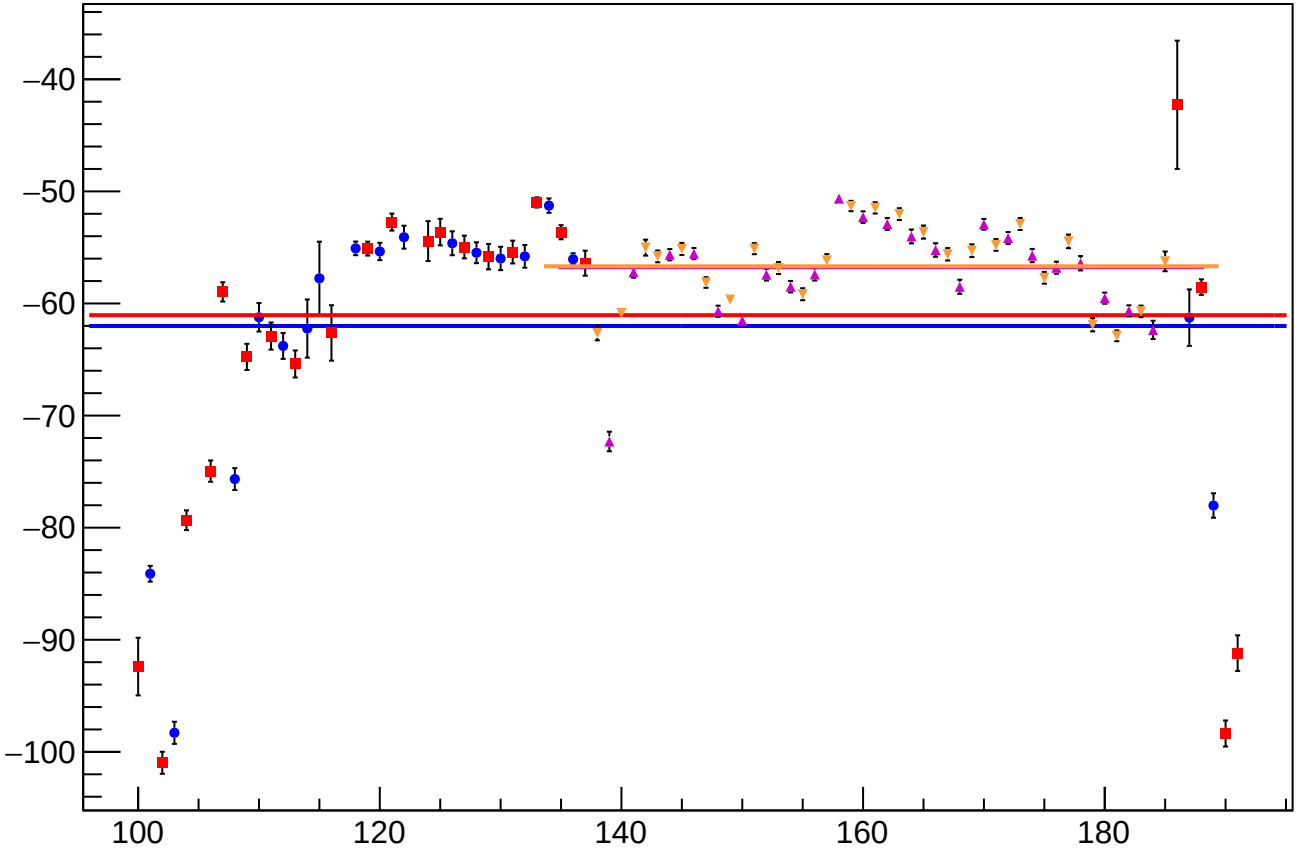
Left In: 1.247+/-0.140 χ^2/NDF:1512.4/22

+ sign 0.692+/-0.115 χ^2/NDF: 1870.6/42

All: 0.420+/-0.080 χ^2/NDF: 3758.9/88

- sign 0.163+/-0.111 χ^2/NDF: 1877.4/45

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: -61.045+/-0.194 χ^2/NDF: 4886.2/22

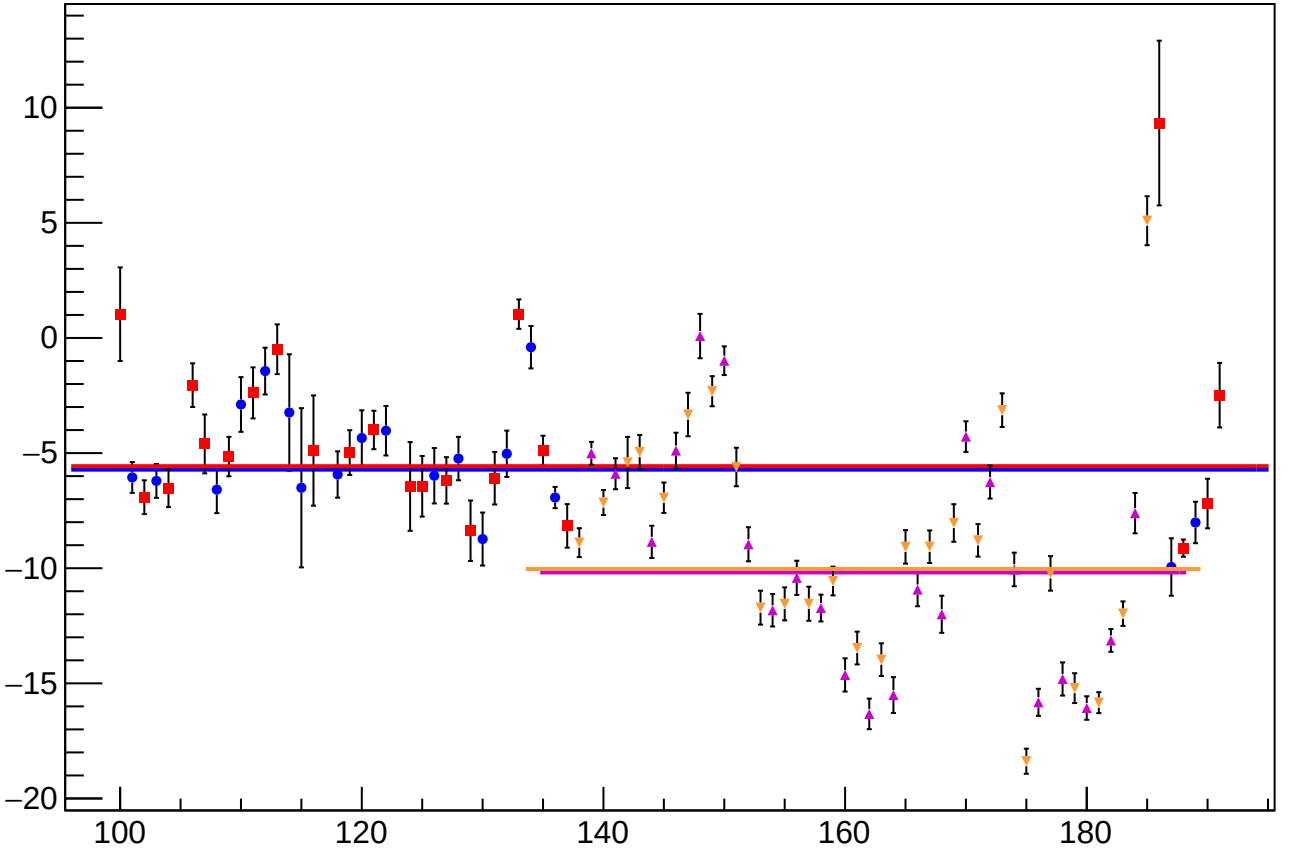
Left In: -56.765+/-0.112 χ^2/NDF:1108.9/22

+ sign -57.750+/-0.096 χ^2/NDF: 5085.8/42

All: -57.793+/-0.068 χ^2/NDF: 11447.4/88

- sign -57.837+/-0.097 χ^2/NDF: 6361.2/45

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: -5.568+/-0.186 χ^2/NDF: 300.9/22

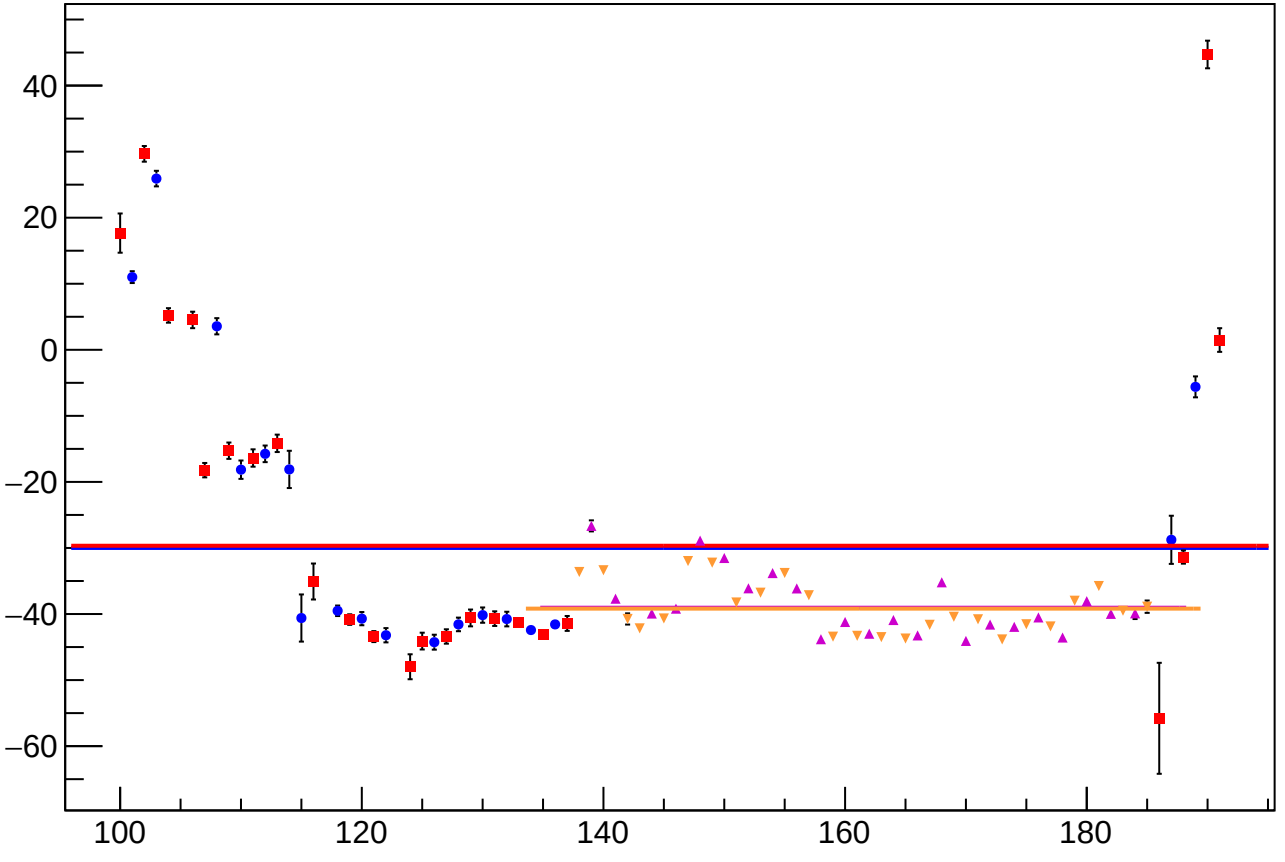
Left In: -10.184+/-0.139 χ^2/NDF:1142.6/22

+ sign -8.832+/-0.116 χ^2/NDF: 1557.3/42

All: -8.676+/-0.080 χ^2/NDF: 3398.5/88

- sign -8.531+/-0.111 χ^2/NDF: 1837.7/45

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: -29.664+/-0.228 χ^2/NDF: 8590.1/22

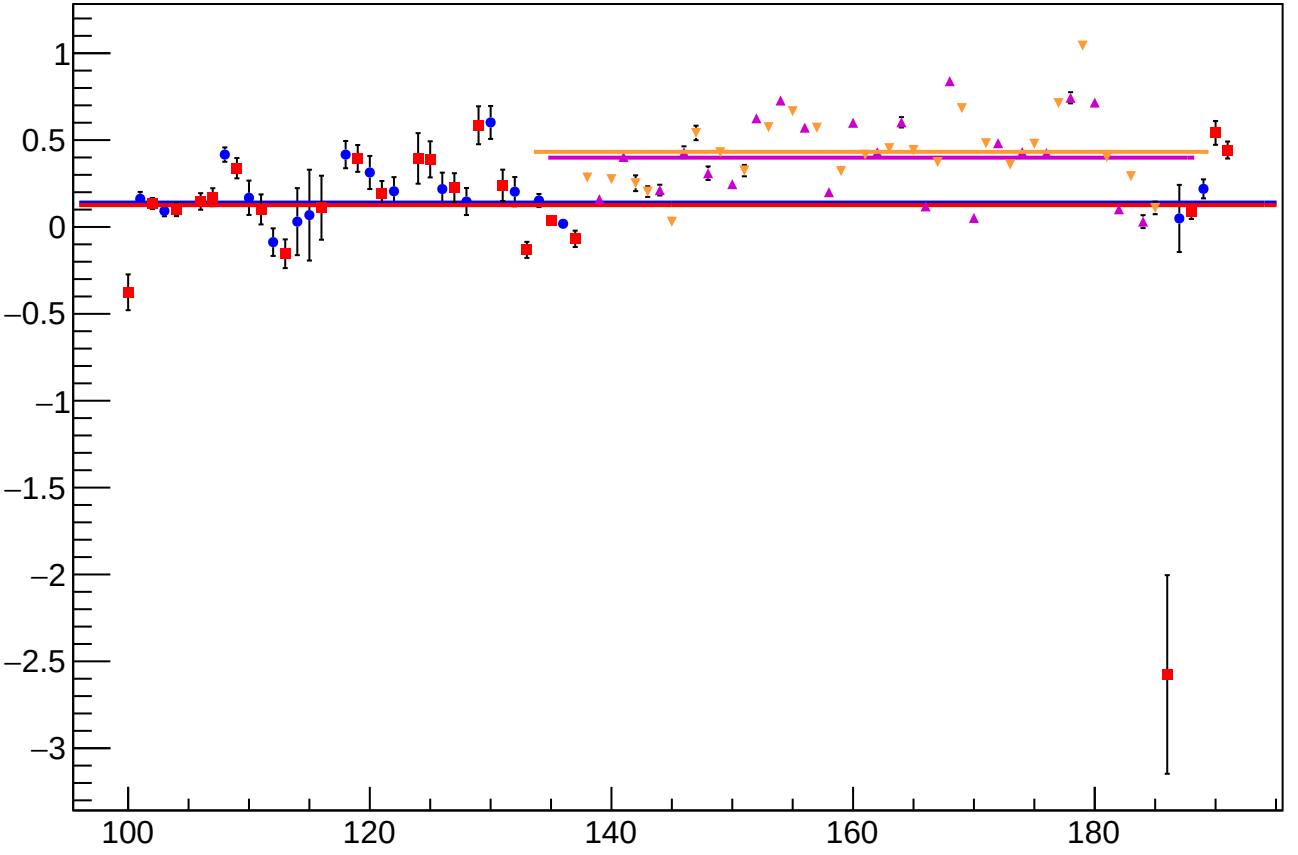
Left In: -39.044+/-0.124 χ^2/NDF:1226.4/22

\+ sign -37.415+/-0.108 χ^2/NDF: 9342.9/42

All: -37.158+/-0.077 χ^2/NDF: 20476.4/88

\- sign -36.895+/-0.109 χ^2/NDF: 11122.1/45

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: 0.126+/-0.011 χ^2/NDF: 255.0/22

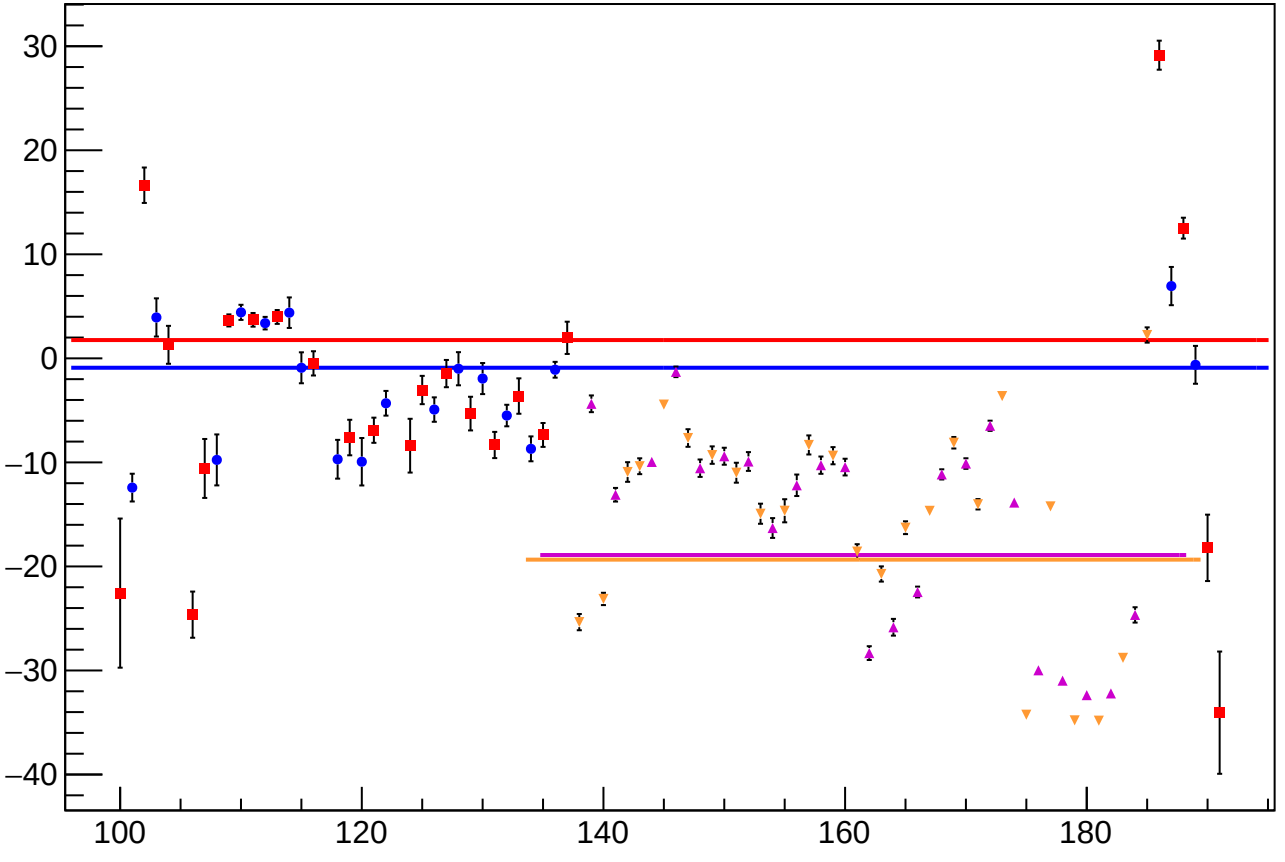
Left In: 0.399+/-0.005 χ^2/NDF:1923.8/22

+ sign 0.386+/-0.005 χ^2/NDF: 1984.4/42

All: 0.368+/-0.003 χ^2/NDF: 4663.6/88

- sign 0.350+/-0.005 χ^2/NDF: 2651.5/45

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: 1.758+/-0.252 χ^2/NDF: 1130.7/22

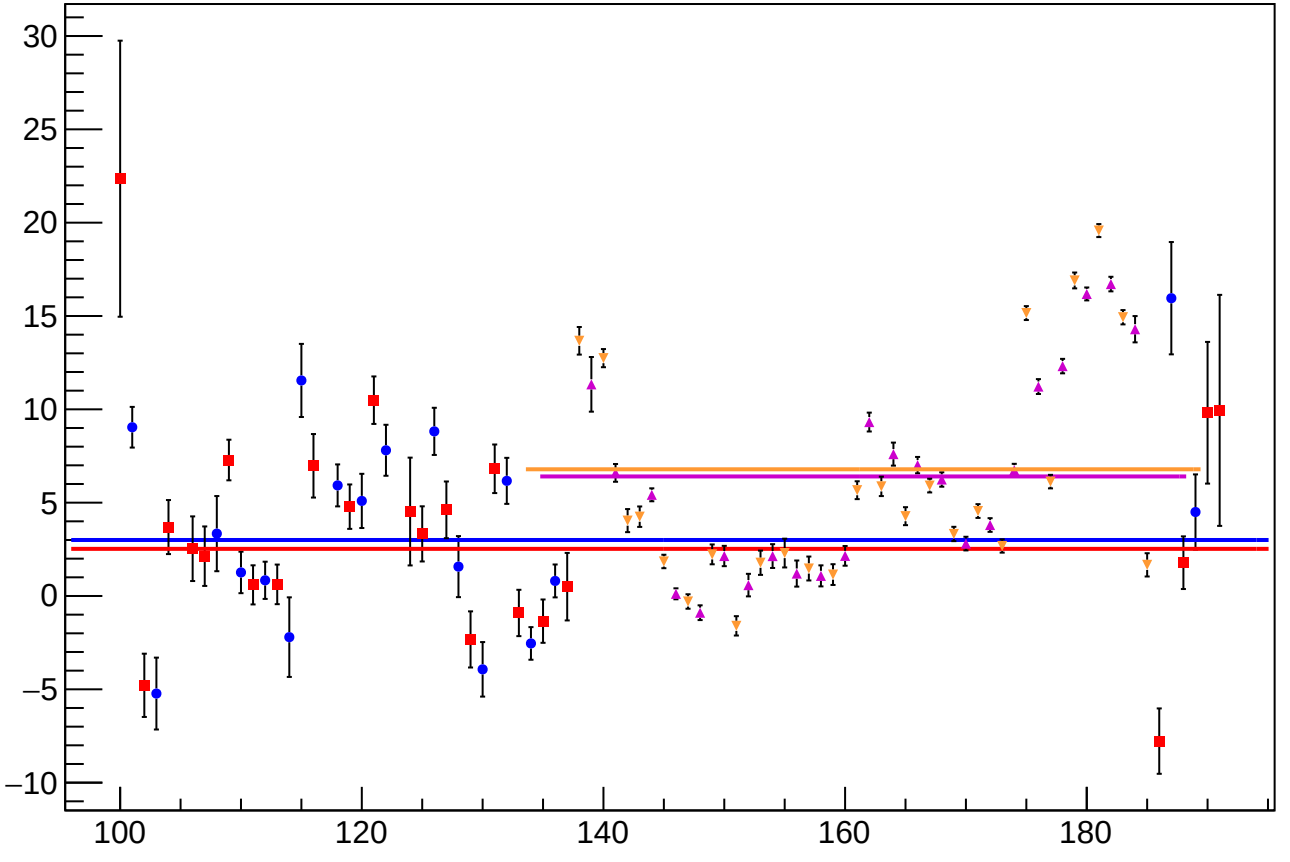
Left In: -18.902+/-0.116 χ^2/NDF:8286.2/22

+ sign -16.655+/-0.105 χ^2/NDF: 14609.8/42

All: -15.973+/-0.074 χ^2/NDF: 29656.4/88

- sign -15.282+/-0.105 χ^2/NDF: 14961.4/45

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: 2.525+/-0.308 χ^2/NDF: 185.9/22

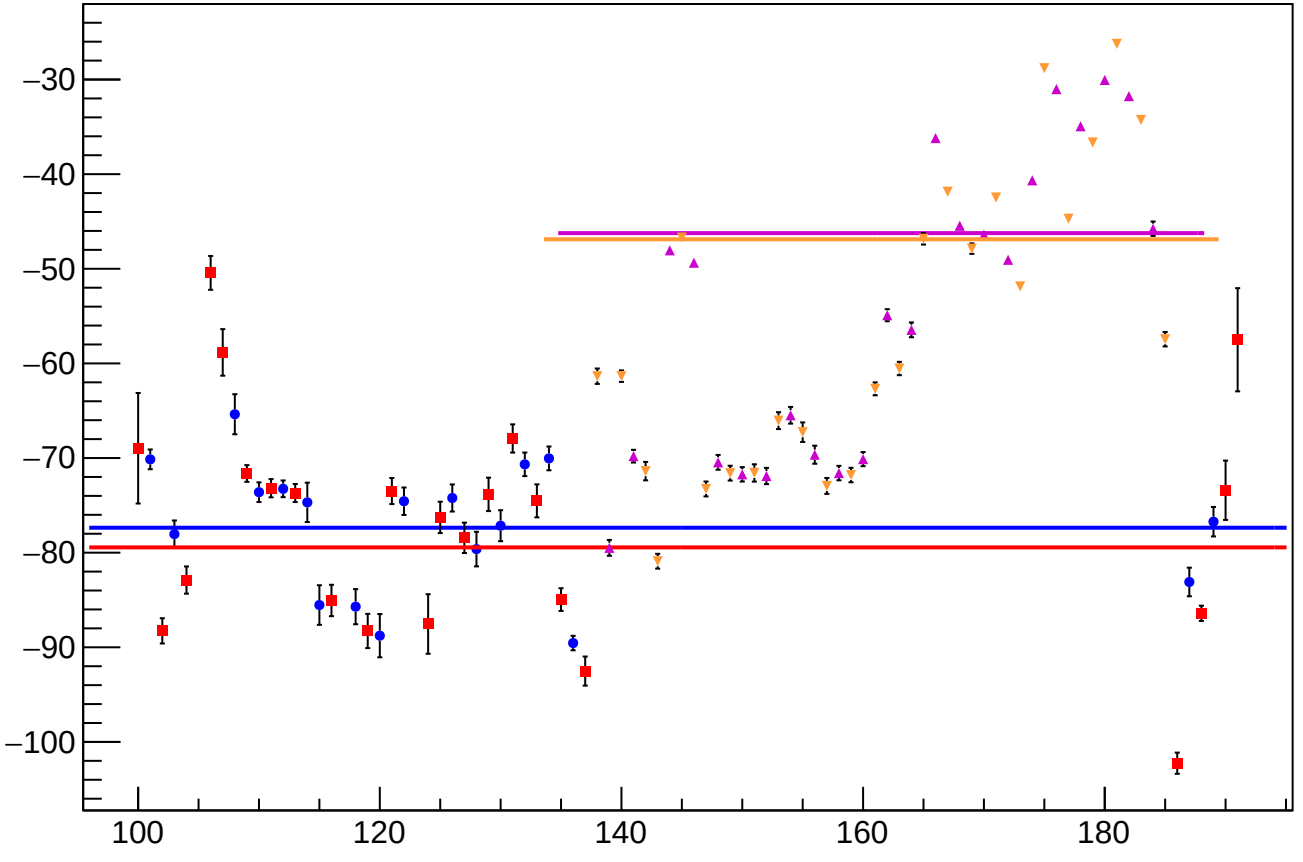
Left In: 6.404+/-0.091 χ^2/NDF:3410.4/22

+ sign 6.489+/-0.086 χ^2/NDF: 4990.8/42

All: 6.292+/-0.061 χ^2/NDF: 8743.6/88

- sign 6.091+/-0.087 χ^2/NDF: 3742.3/45

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: -79.441+/-0.292 χ^2/NDF: 1286.3/22

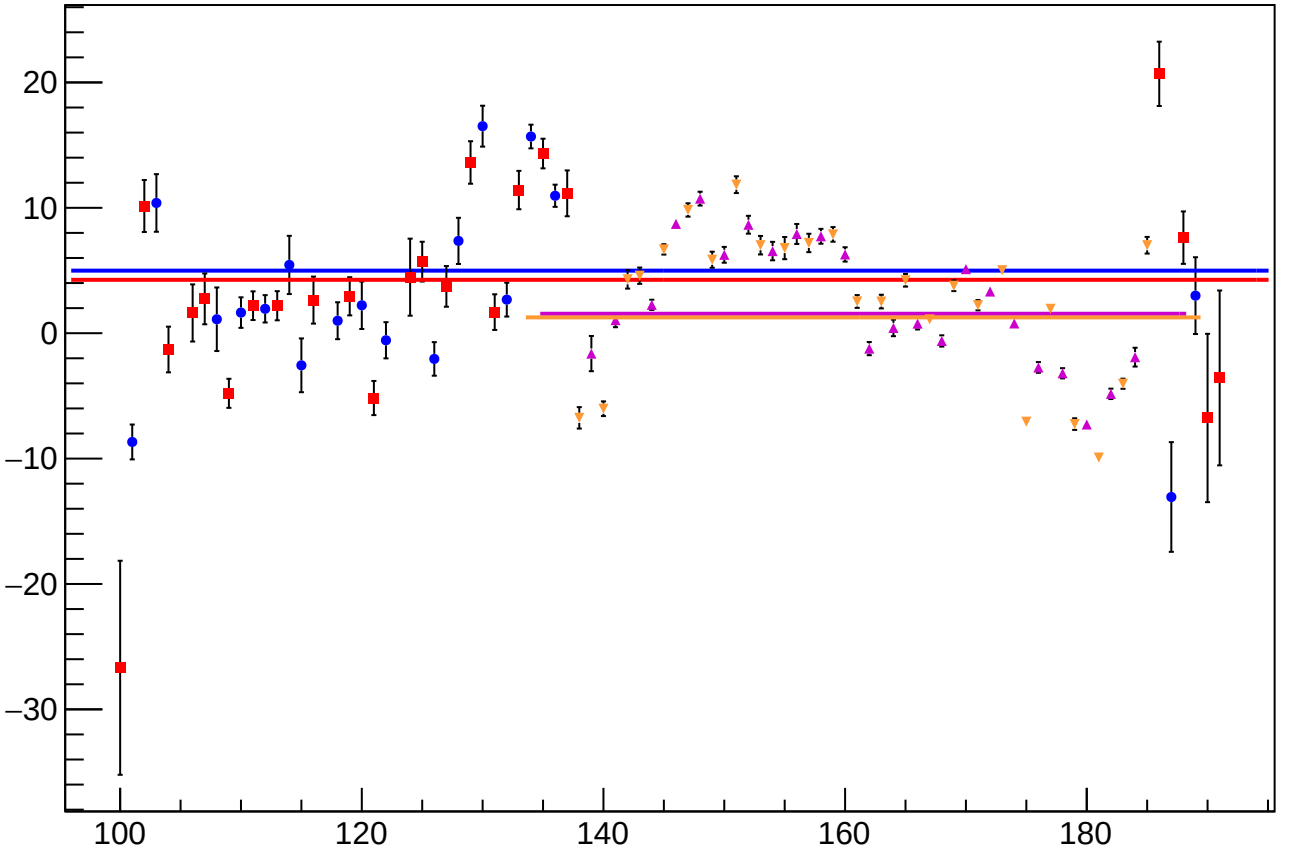
Left In: -46.231+/-0.116 χ^2/NDF:15169.3/22

+ sign -50.458+/-0.107 χ^2/NDF: 26893.3/42

All: -50.616+/-0.076 χ^2/NDF: 54519.9/88

- sign -50.776+/-0.108 χ^2/NDF: 27622.3/45

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: 4.259+/-0.352 χ^2/NDF: 340.1/22

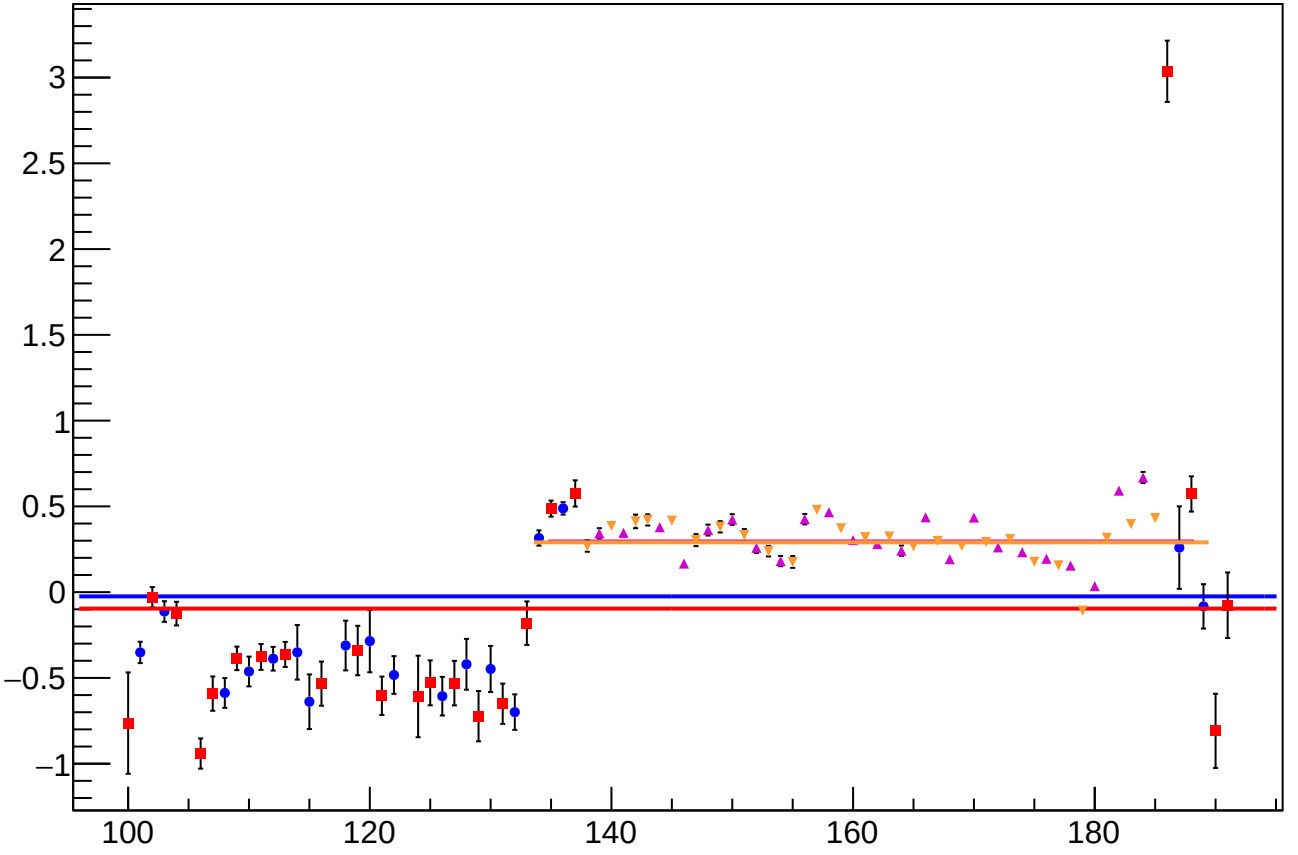
Left In: 1.551+/-0.102 χ^2/NDF:2335.7/22

+ sign 1.550+/-0.096 χ^2/NDF: 3982.6/42

All: 1.654+/-0.069 χ^2/NDF: 6715.3/88

- sign 1.761+/-0.098 χ^2/NDF: 2730.4/45

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: -0.096+/-0.020 χ^2/NDF: 864.3/22

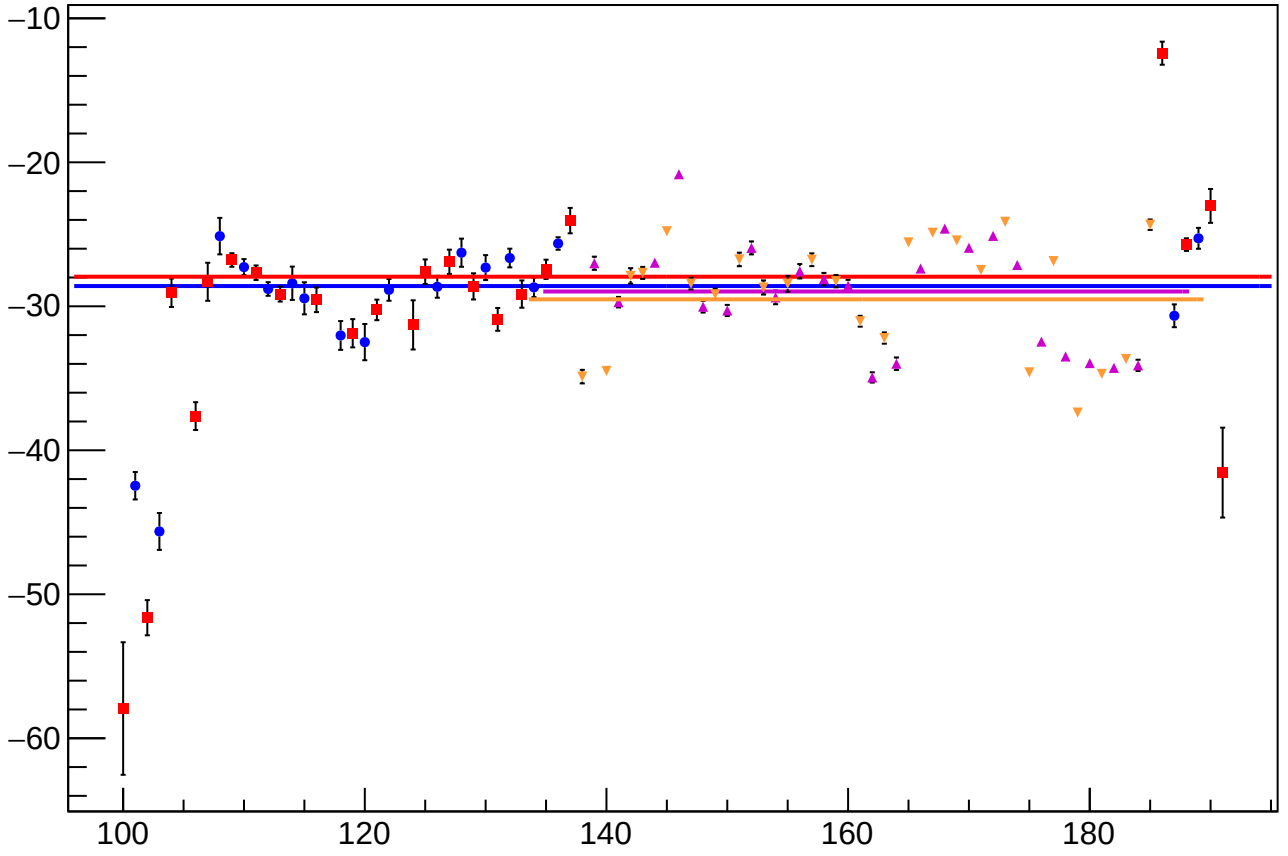
Left In: 0.295+/-0.005 χ^2/NDF:1035.4/22

+ sign 0.273+/-0.004 χ^2/NDF: 1502.2/42

All: 0.274+/-0.003 χ^2/NDF: 3782.4/88

- sign 0.275+/-0.004 χ^2/NDF: 2280.1/45

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: -27.945+/-0.162 χ^2/NDF: 1042.1/22

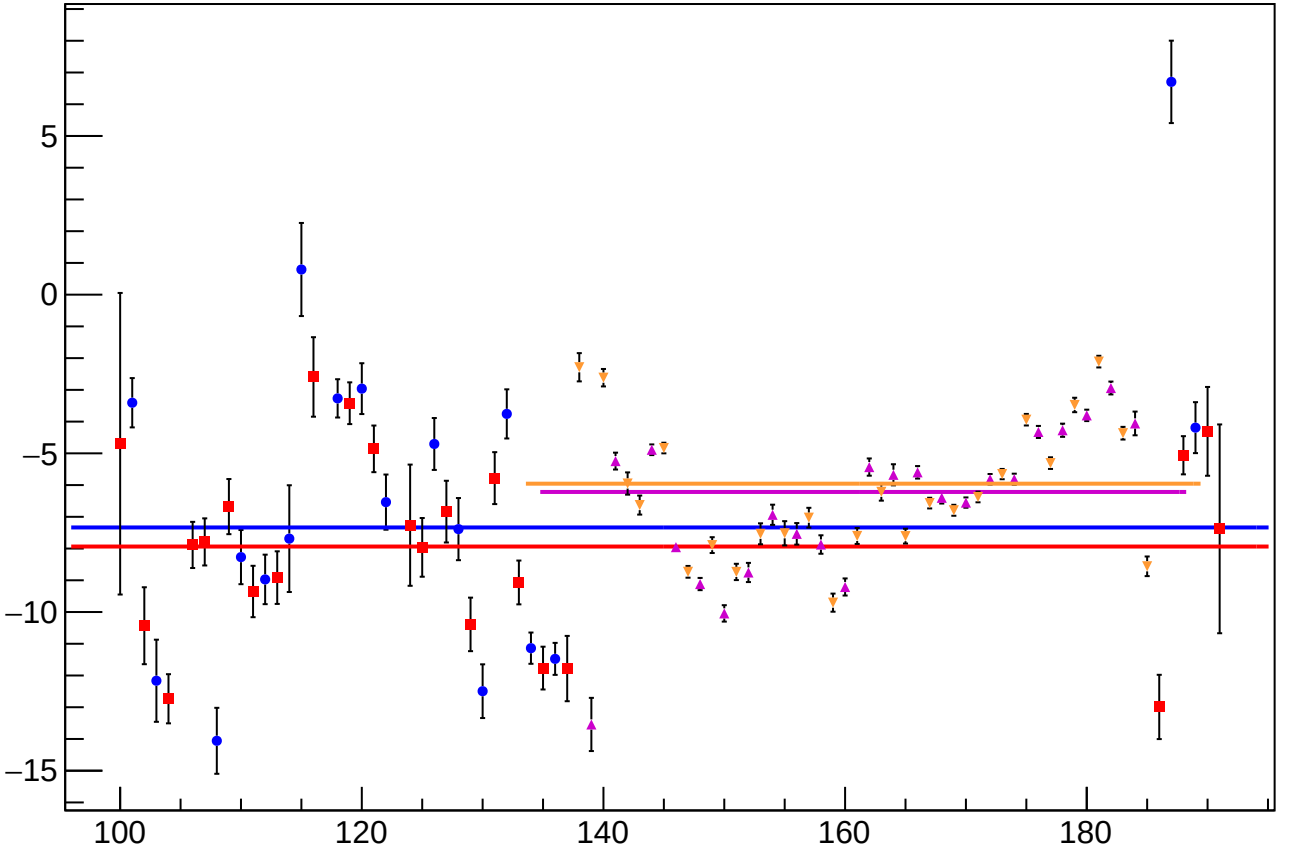
Left In: -28.971+/-0.057 χ^2/NDF:5348.6/22

+ sign -29.430+/-0.054 χ^2/NDF: 6628.7/42

All: -29.145+/-0.038 χ^2/NDF: 13111.7/88

- sign -28.858+/-0.054 χ^2/NDF: 6426.3/45

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: -7.936+/-0.182 χ^2/NDF: 252.8/22

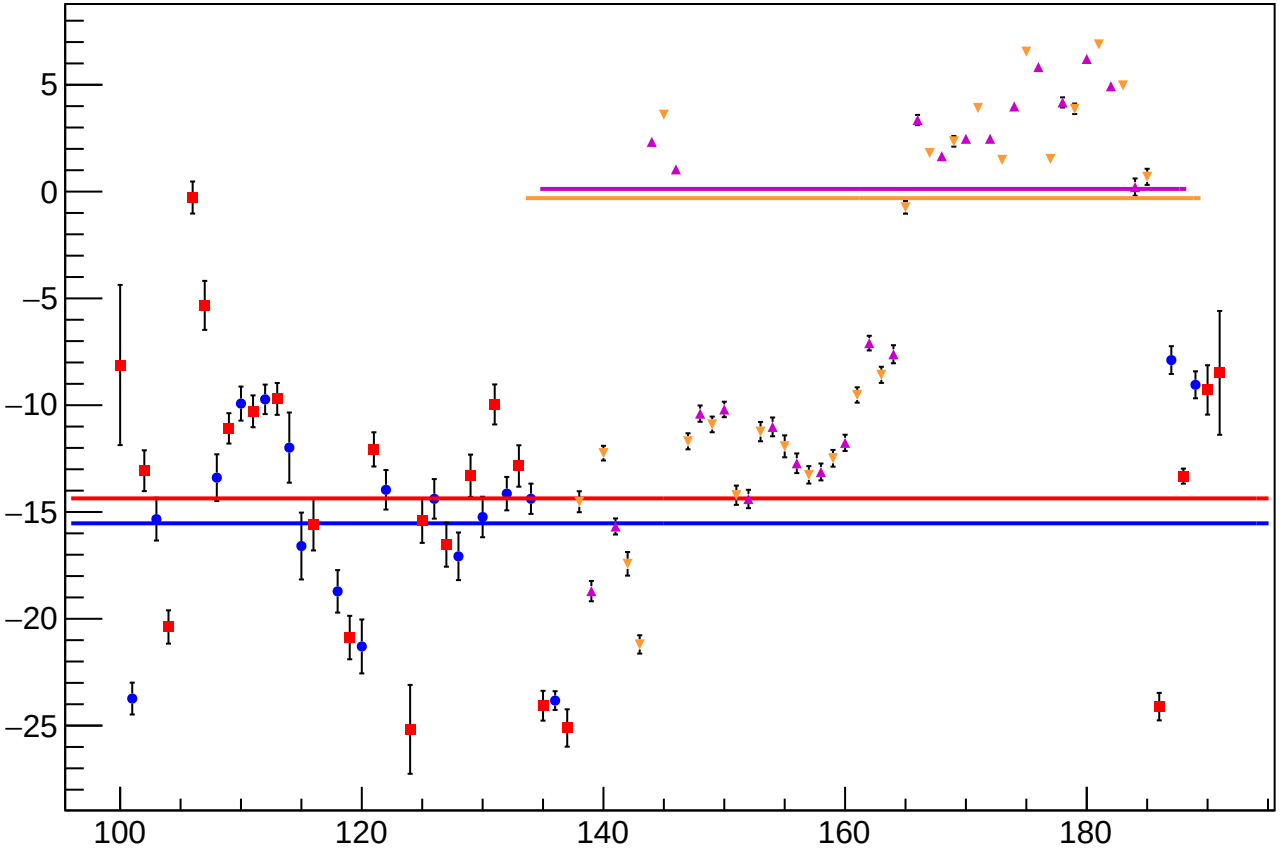
Left In: -6.217+/-0.044 χ^2/NDF:1741.8/22

+ sign -6.029+/-0.043 χ^2/NDF: 2431.2/42

All: -6.172+/-0.030 χ^2/NDF: 4531.6/88

- sign -6.312+/-0.043 χ^2/NDF: 2078.9/45

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: -14.364+/-0.171 χ^2/NDF: 1285.0/22

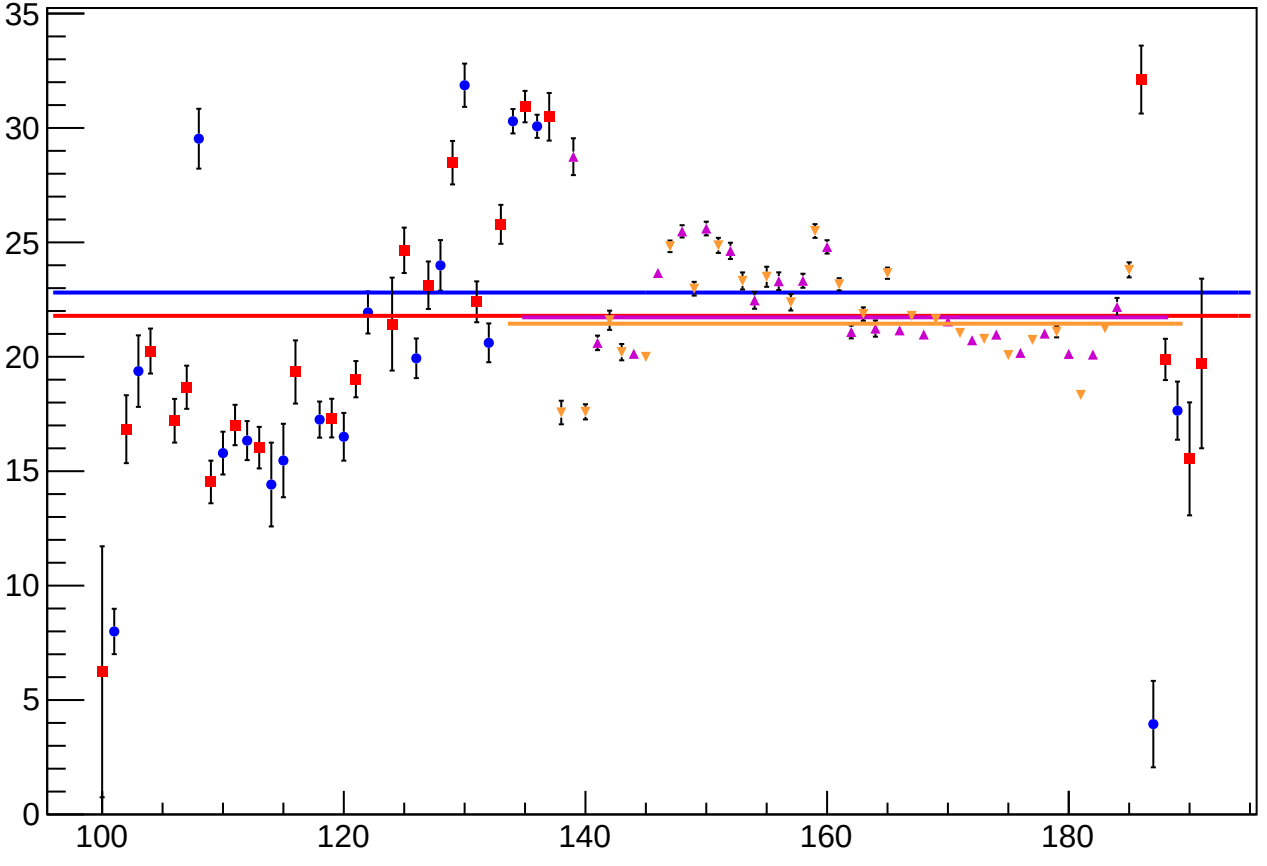
Left In: 0.125+/-0.057 χ^2/NDF:13838.6/22

+ sign -1.544+/-0.054 χ^2/NDF: 23970.4/42

All: -1.433+/-0.038 χ^2/NDF: 45554.9/88

- sign -1.322+/-0.054 χ^2/NDF: 21576.1/45

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: 21.790+/-0.214 χ^2/NDF: 617.8/22

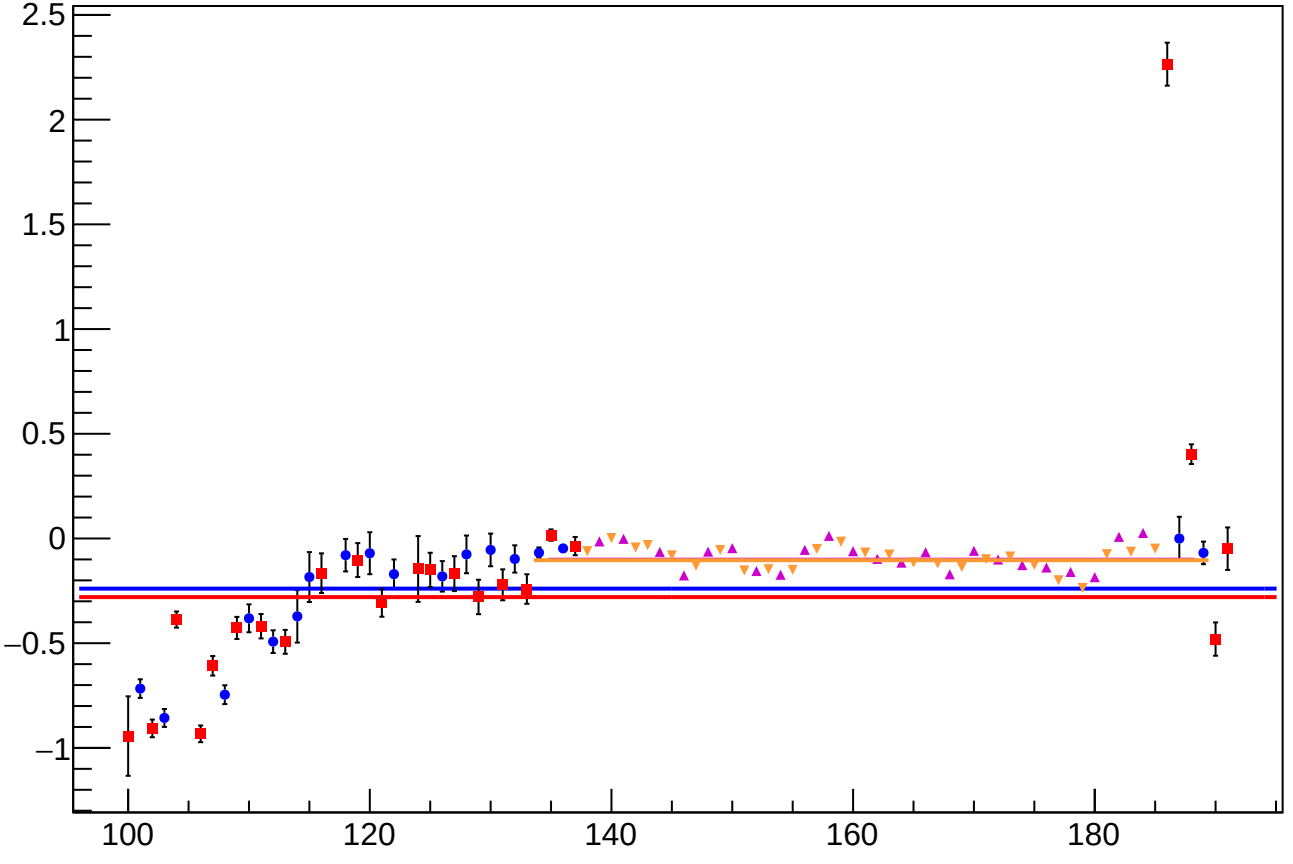
Left In: 21.725+/-0.050 χ^2/NDF:1173.7/22

+ sign 21.516+/-0.048 χ^2/NDF: 2491.6/42

All: 21.622+/-0.034 χ^2/NDF: 4292.9/88

- sign 21.729+/-0.048 χ^2/NDF: 1791.6/45

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: -0.280+/-0.012 χ^2/NDF: 1585.6/22

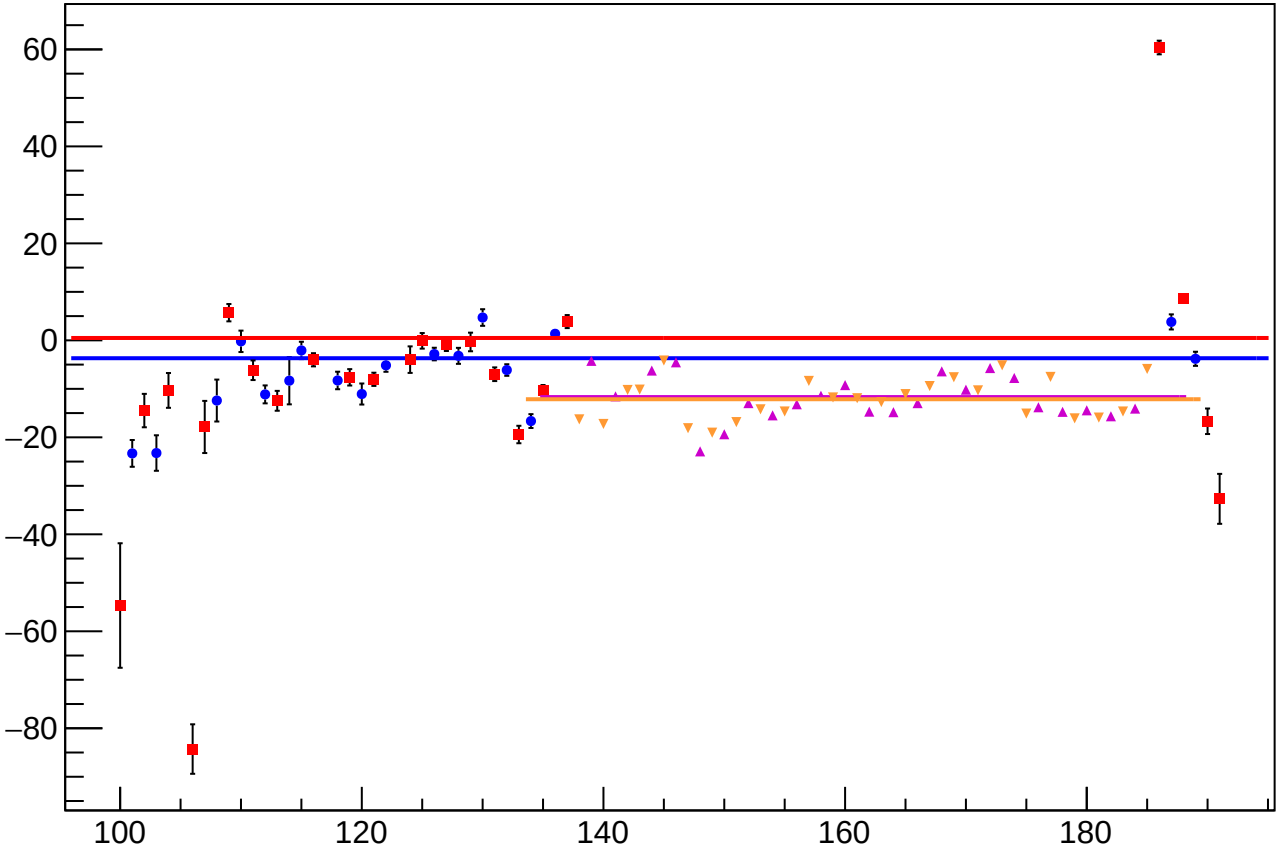
Left In: -0.101+/-0.002 χ^2/NDF:757.6/22

+ sign -0.109+/-0.002 χ^2/NDF: 1335.3/42

All: -0.108+/-0.002 χ^2/NDF: 3905.3/88

- sign -0.108+/-0.002 χ^2/NDF: 2569.8/45

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: 0.491+/-0.349 χ^2/NDF: 2720.2/22

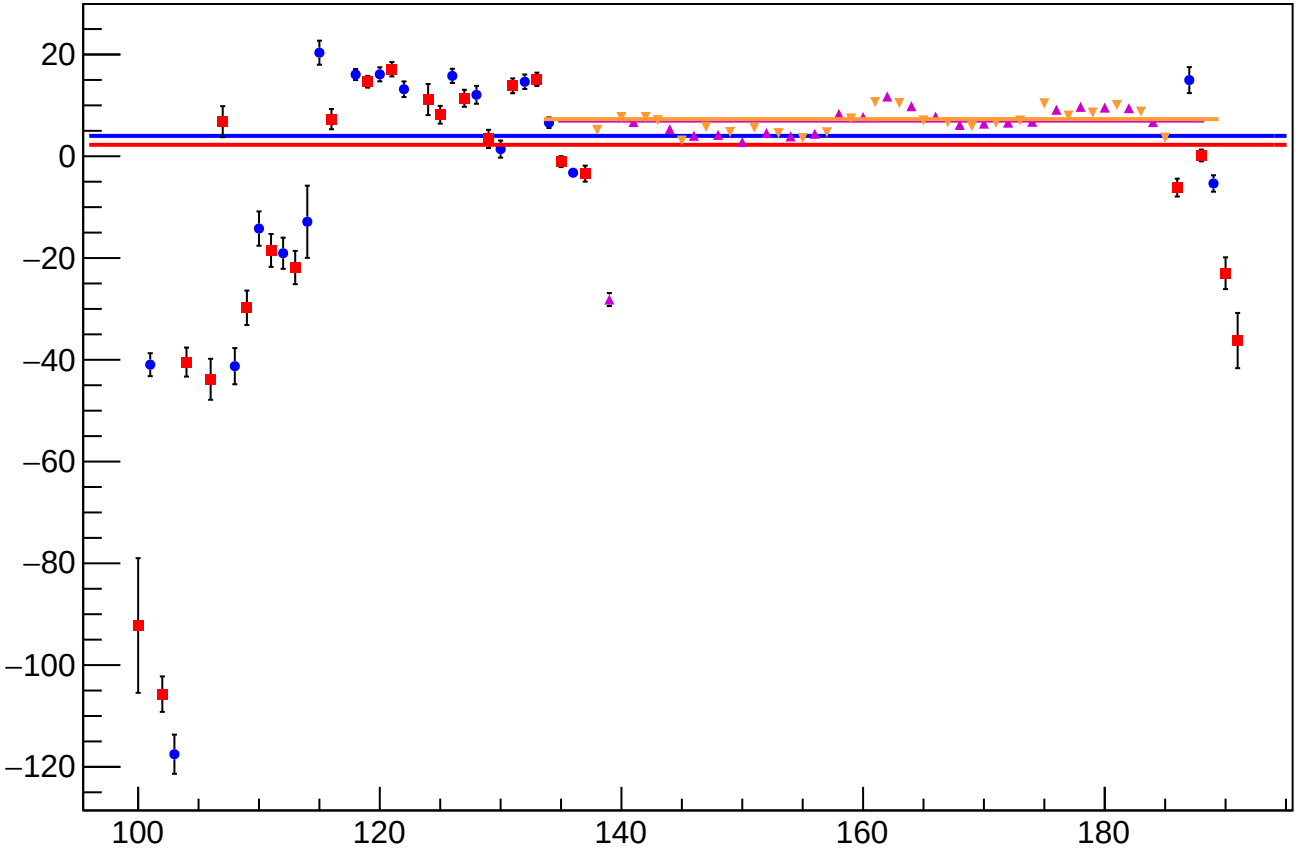
Left In: -11.698+/-0.094 χ^2/NDF:1951.0/22

\+ sign -11.628+/-0.089 χ^2/NDF: 2963.2/42

All: -11.259+/-0.064 χ^2/NDF: 8803.7/88

\- sign -10.871+/-0.091 χ^2/NDF: 5805.1/45

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: 2.255+/-0.383 χ^2/NDF: 2160.9/22

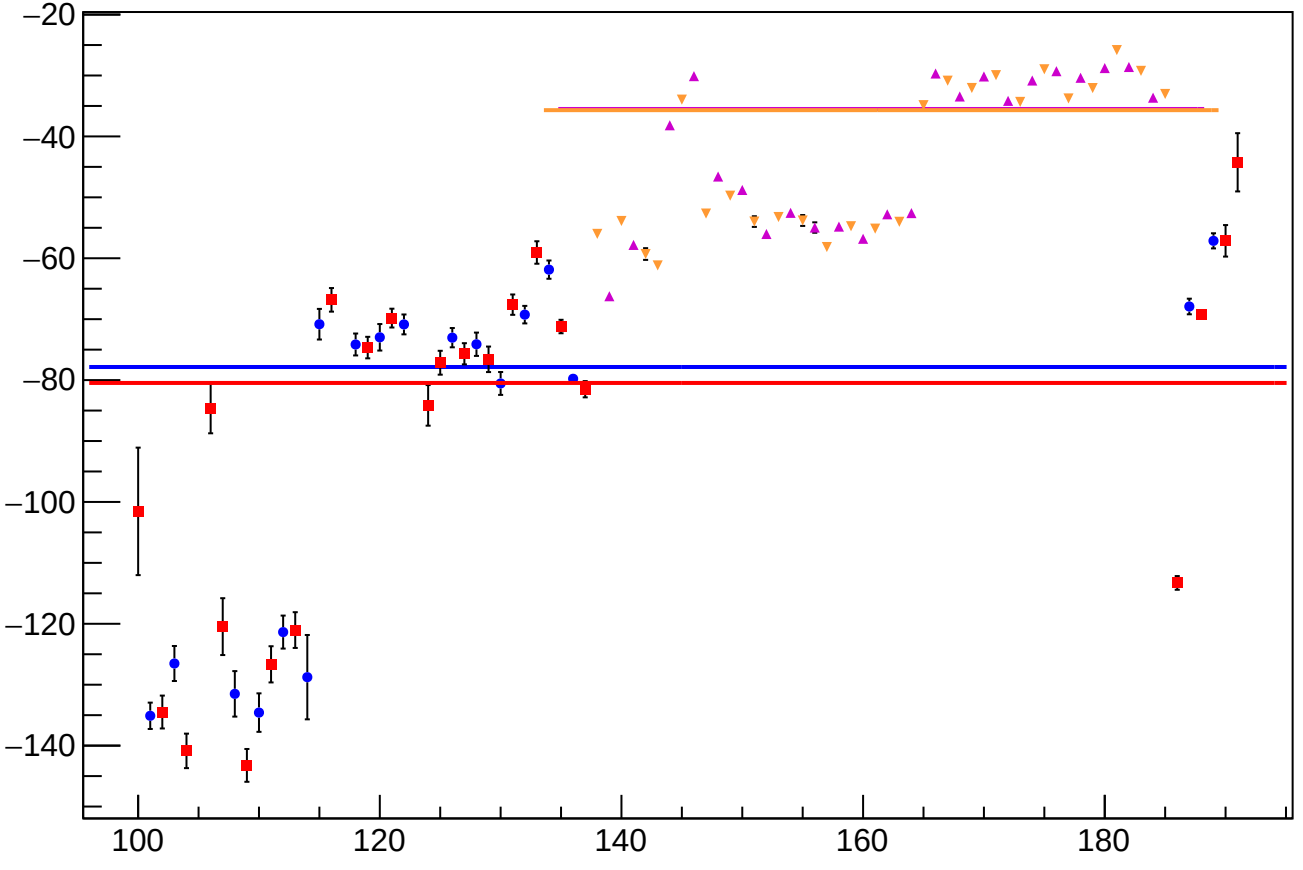
Left In: 7.004+/-0.076 χ^2/NDF:1576.0/22

+ sign 7.168+/-0.073 χ^2/NDF: 3120.3/42

All: 6.999+/-0.052 χ^2/NDF: 7015.8/88

- sign 6.825+/-0.075 χ^2/NDF: 3884.8/45

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: -80.468+/-0.354 χ^2/NDF: 3579.4/22

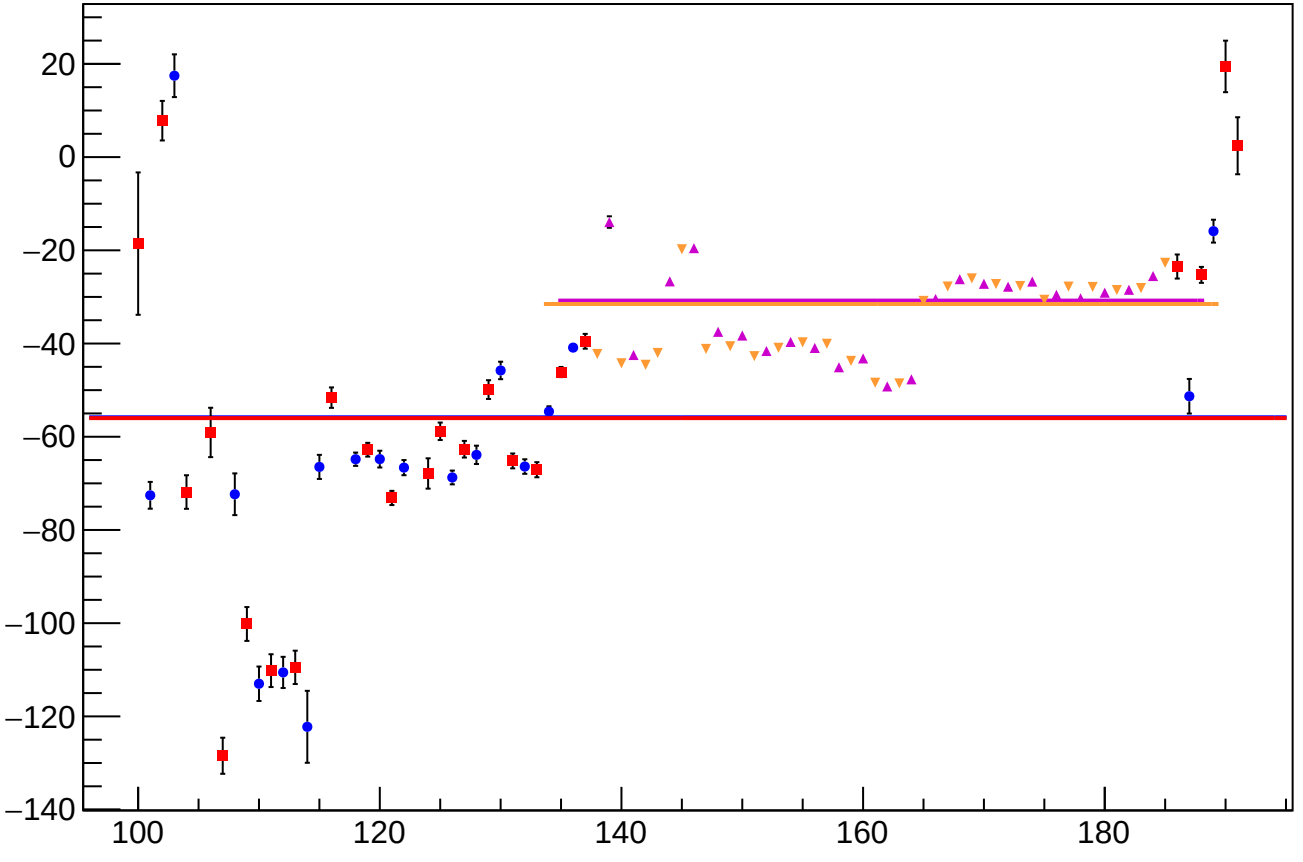
Left In: -35.497+/-0.095 χ^2/NDF:11162.0/22

+ sign -38.063+/-0.090 χ^2/NDF: 26914.9/42

All: -38.271+/-0.064 χ^2/NDF: 56702.3/88

- sign -38.488+/-0.091 χ^2/NDF: 29776.4/45

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: -56.002+/-0.444 χ^2/NDF: 2429.6/22

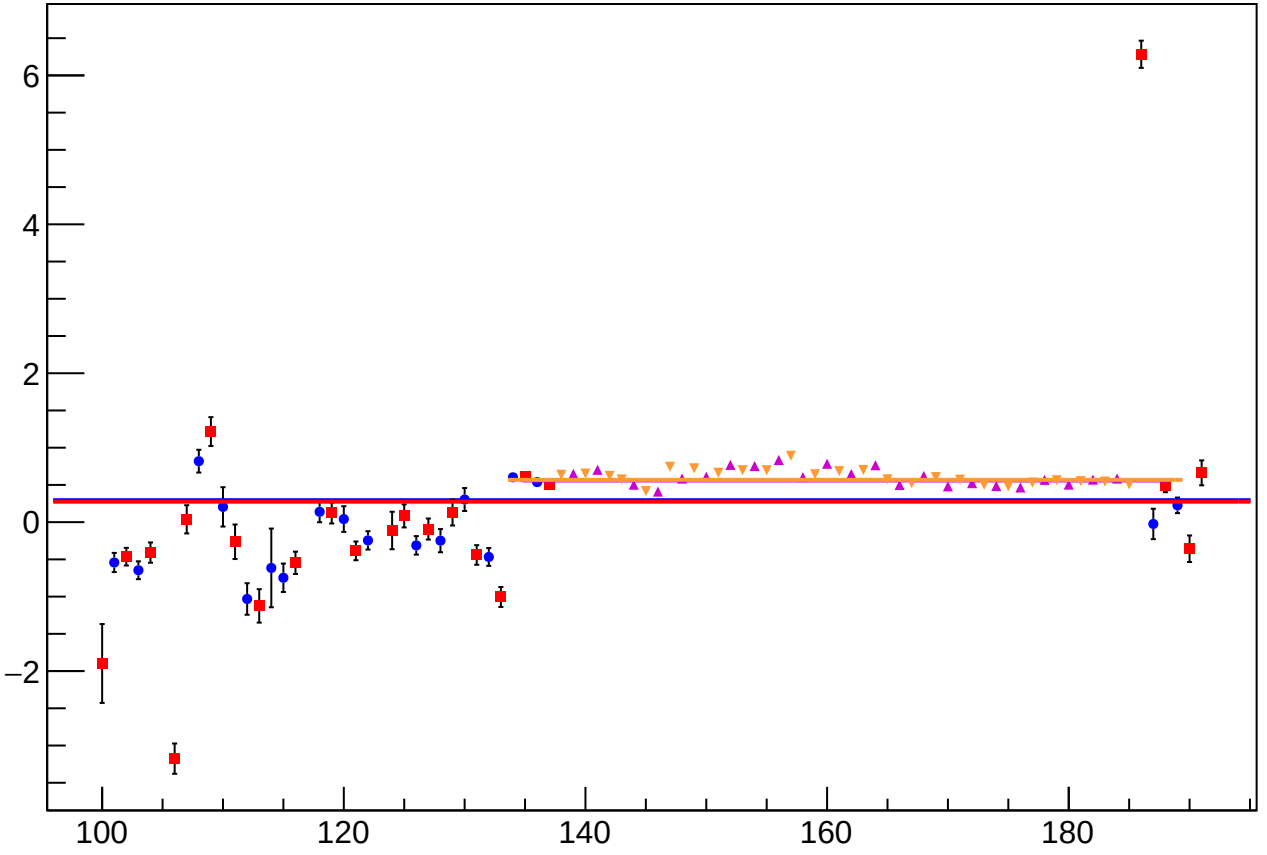
Left In: -30.789+/-0.084 χ^2/NDF:7548.8/22

+ sign -32.443+/-0.081 χ^2/NDF: 13531.5/42

All: -32.062+/-0.058 χ^2/NDF: 26669.7/88

- sign -31.667+/-0.083 χ^2/NDF: 13093.5/45

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: 0.275+/-0.025 χ^2/NDF: 1805.5/22

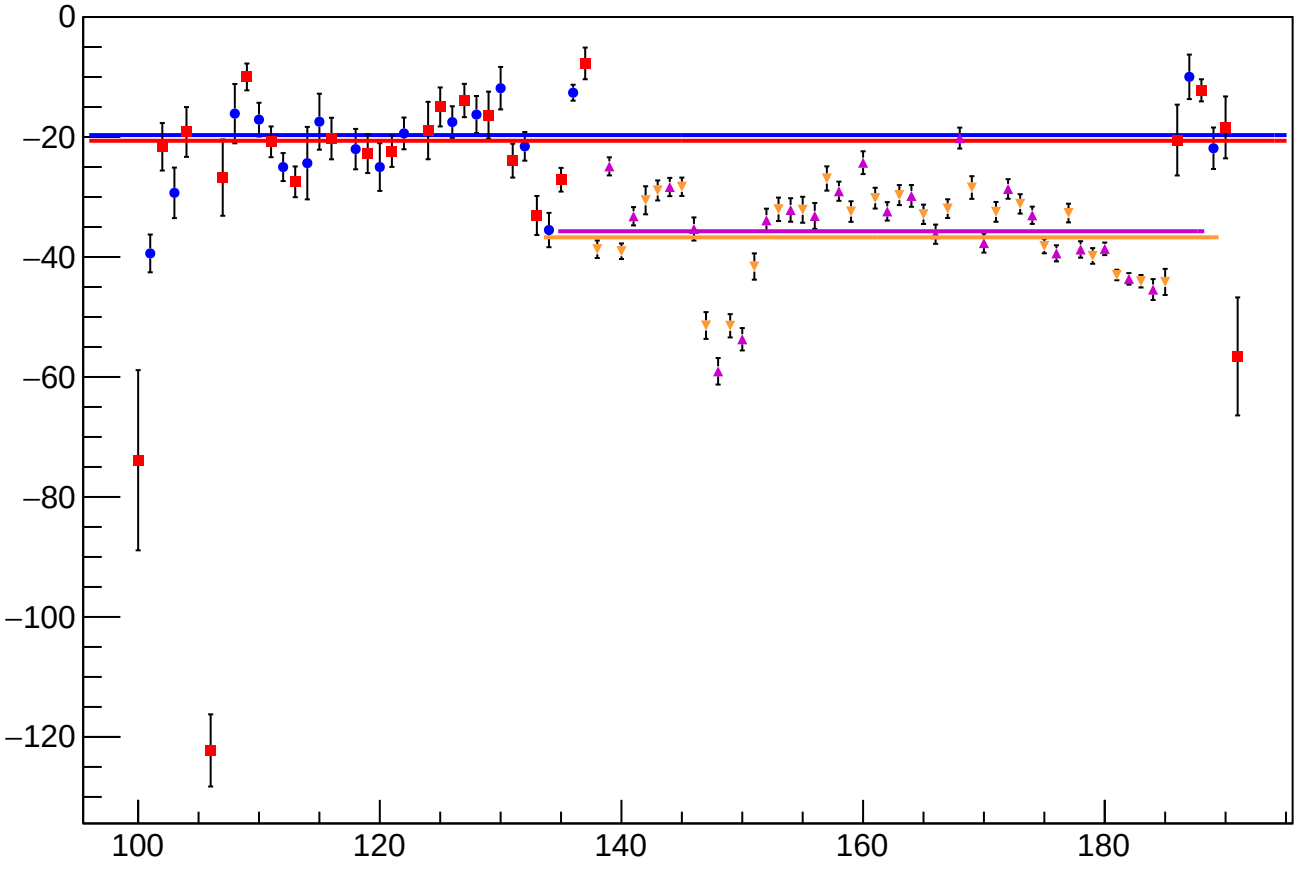
Left In: 0.560+/-0.004 χ^2/NDF:671.5/22

+ sign 0.561+/-0.004 χ^2/NDF: 1078.9/42

All: 0.557+/-0.003 χ^2/NDF: 3689.7/88

- sign 0.553+/-0.004 χ^2/NDF: 2608.7/45

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: -20.626+/-0.654 χ^2/NDF: 425.2/22

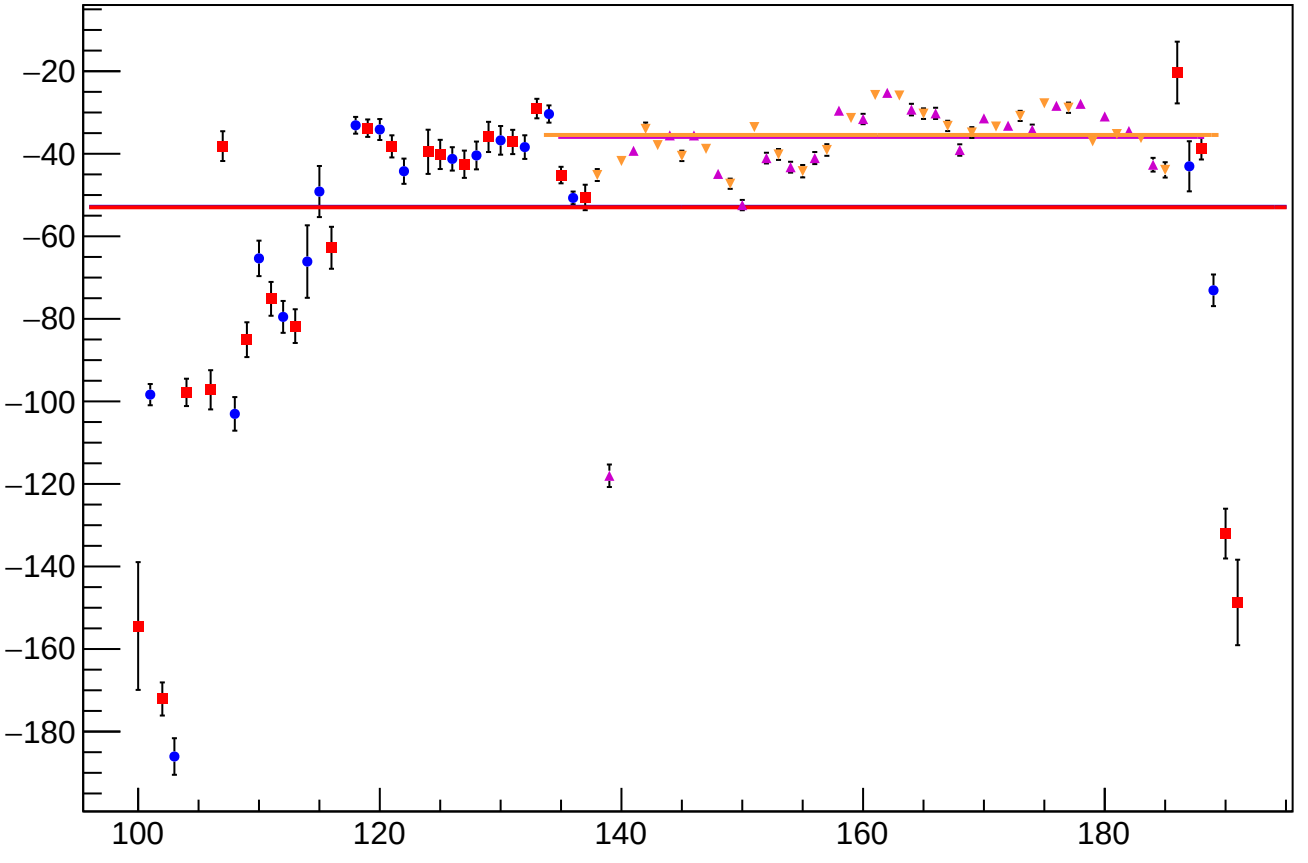
Left In: -35.706+/-0.323 χ^2/NDF:578.6/22

+ sign -33.716+/-0.282 χ^2/NDF: 1081.5/42

All: -33.246+/-0.202 χ^2/NDF: 2518.1/88

- sign -32.749+/-0.290 χ^2/NDF: 1430.9/45

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: -52.968+/-0.710 χ^2/NDF: 1968.4/22

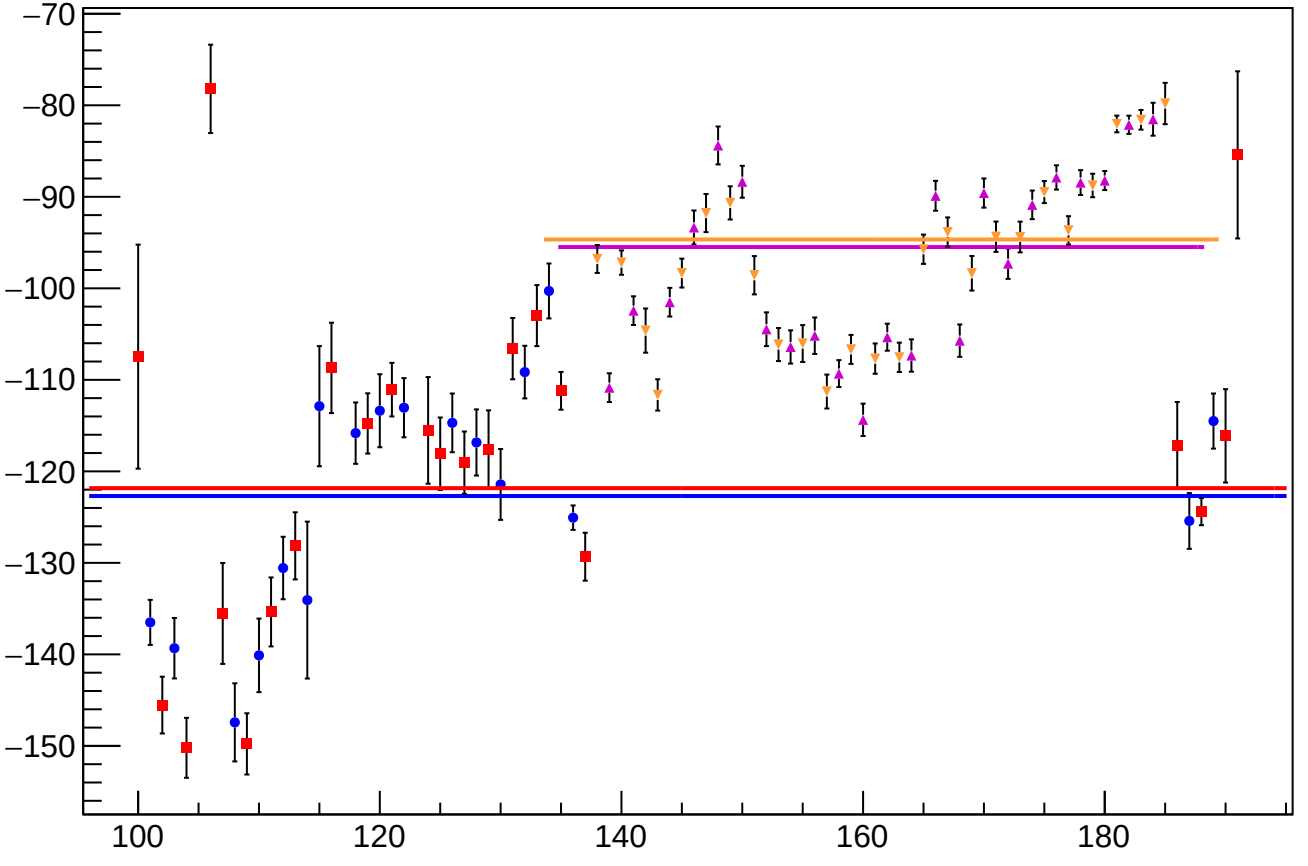
Left In: -35.913+/-0.256 χ^2/NDF:1543.1/22

+ sign -37.381+/-0.231 χ^2/NDF: 2910.1/42

All: -37.620+/-0.167 χ^2/NDF: 6935.0/88

- sign -37.879+/-0.241 χ^2/NDF: 4022.7/45

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: -121.837+/-0.689 χ^2/NDF: 445.7/22

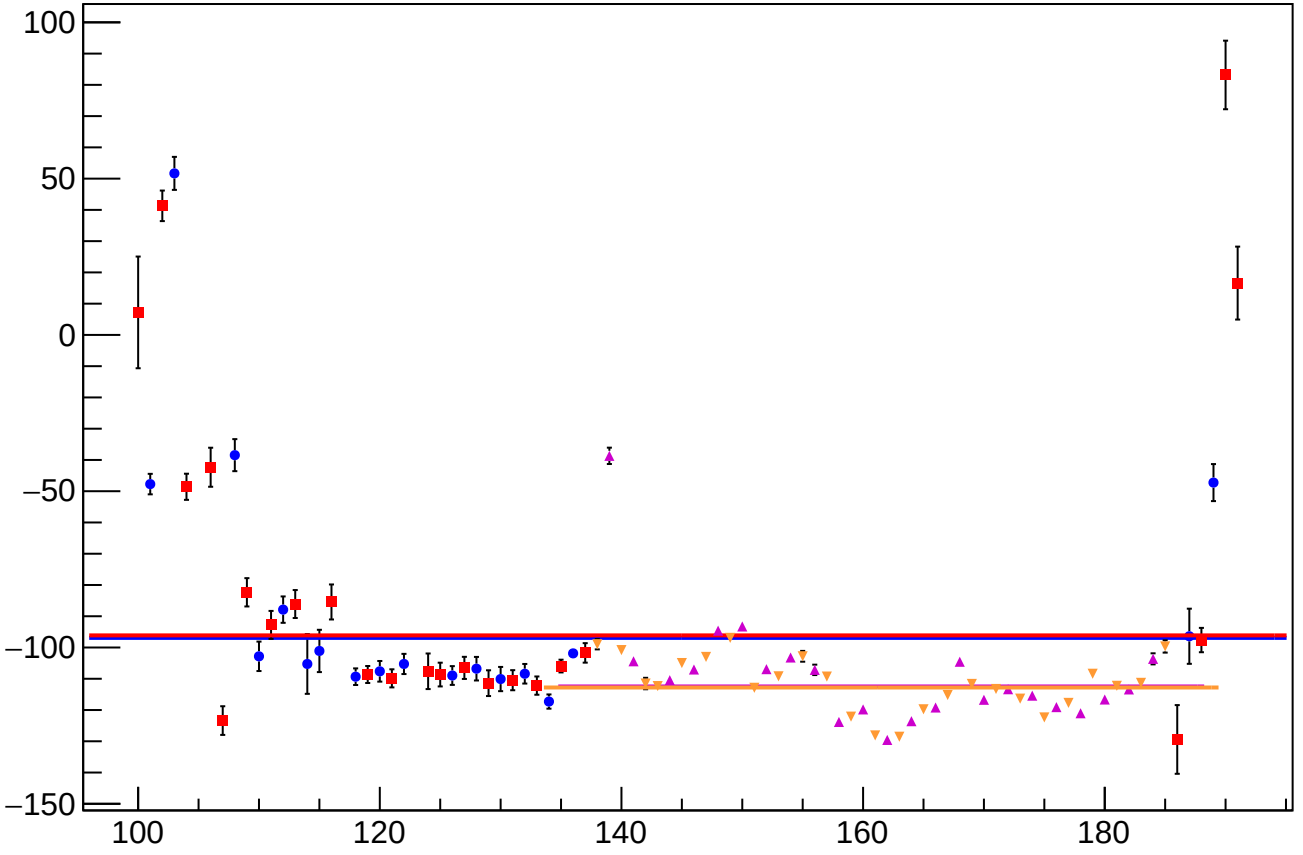
Left In: -95.489+/-0.321 χ^2/NDF:970.1/22

+ sign -99.170+/-0.284 χ^2/NDF: 2451.5/42

All: -99.669+/-0.203 χ^2/NDF: 5075.5/88

- sign -100.195+/-0.291 χ^2/NDF: 2617.7/45

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: -96.123+/-0.817 χ^2/NDF: 1609.0/22

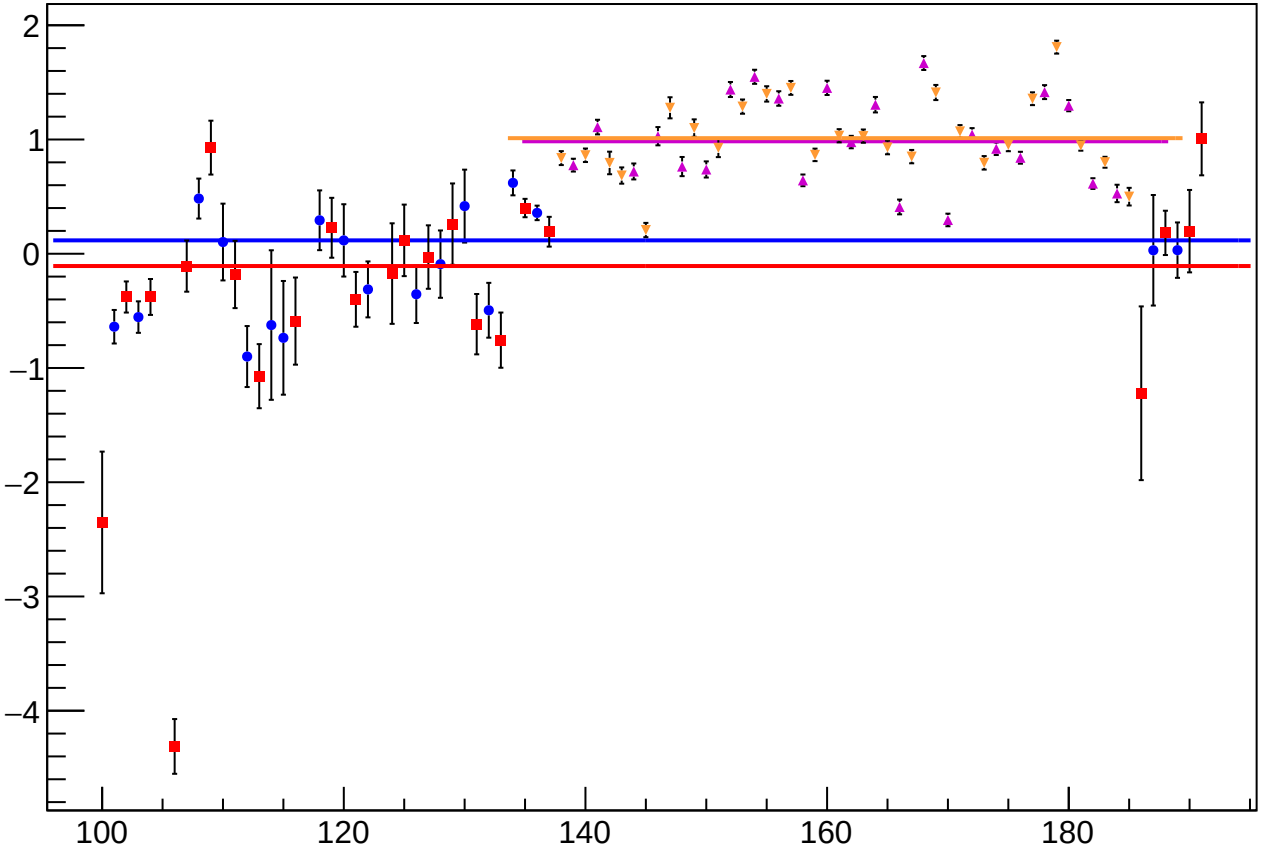
Left In: -112.465+/-0.285 χ^2/NDF:1788.6/22

+ sign -111.061+/-0.259 χ^2/NDF: 2705.1/42

All: -110.885+/-0.186 χ^2/NDF: 6460.4/88

- sign -110.694+/-0.269 χ^2/NDF: 3754.3/45

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: -0.108+/-0.043 χ^2/NDF: 439.0/22

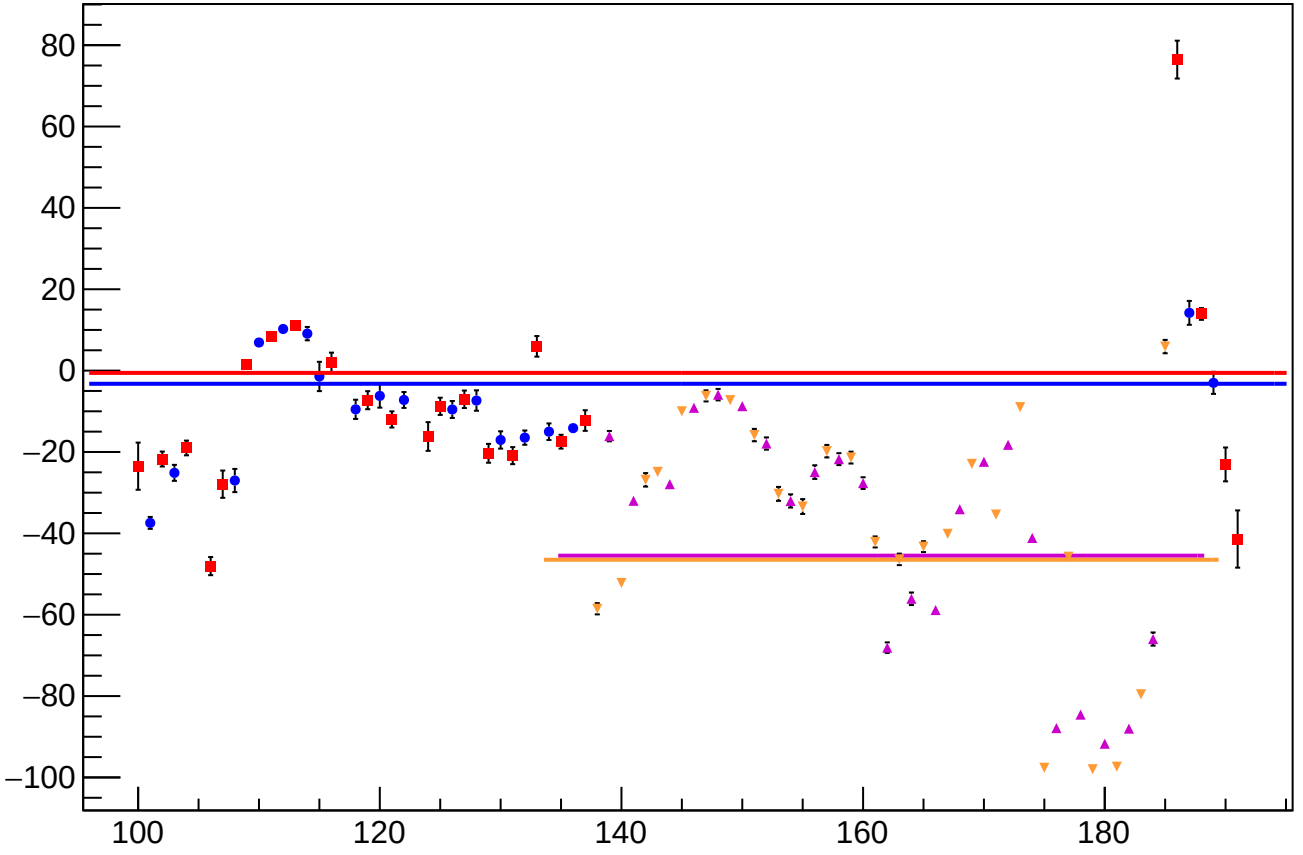
Left In: 0.984+/-0.013 χ^2/NDF:900.0/22

+ sign 0.937+/-0.012 χ^2/NDF: 1262.4/42

All: 0.918+/-0.008 χ^2/NDF: 3202.1/88

- sign 0.898+/-0.012 χ^2/NDF: 1934.6/45

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: -0.559+/-0.327 χ^2/NDF: 1969.4/22

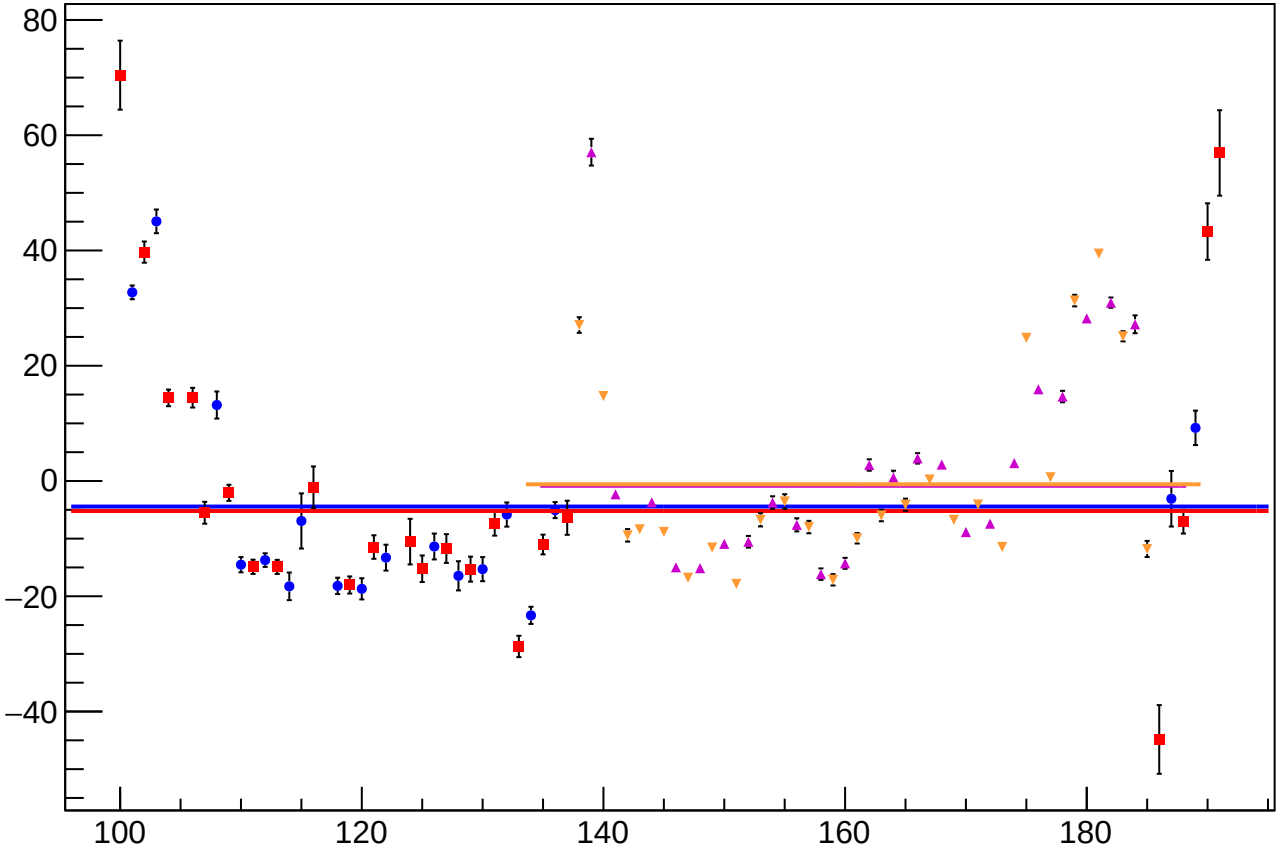
Left In: -45.487+/-0.238 χ^2/NDF:15571.1/22

+ sign -34.440+/-0.195 χ^2/NDF: 31460.5/42

All: -32.174+/-0.137 χ^2/NDF: 61598.7/88

- sign -29.979+/-0.192 χ^2/NDF: 29873.5/45

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: -5.206+/-0.410 χ^2/NDF: 1722.2/22

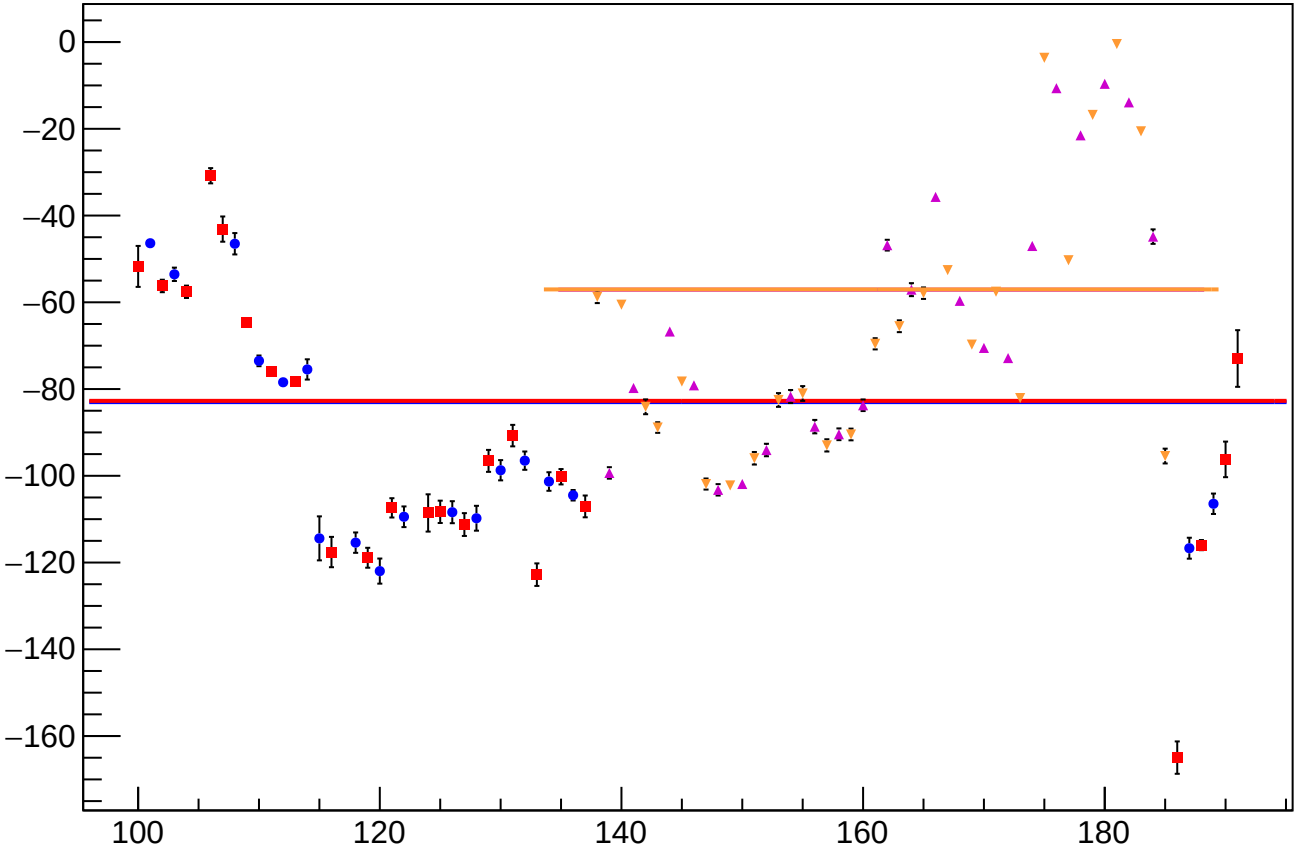
Left In: -0.828+/-0.183 χ^2/NDF:6116.6/22

+ sign -1.145+/-0.164 χ^2/NDF: 10691.3/42

All: -1.345+/-0.117 χ^2/NDF: 18628.0/88

- sign -1.554+/-0.167 χ^2/NDF: 7933.7/45

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: -82.722+/-0.388 χ^2/NDF: 4599.8/22

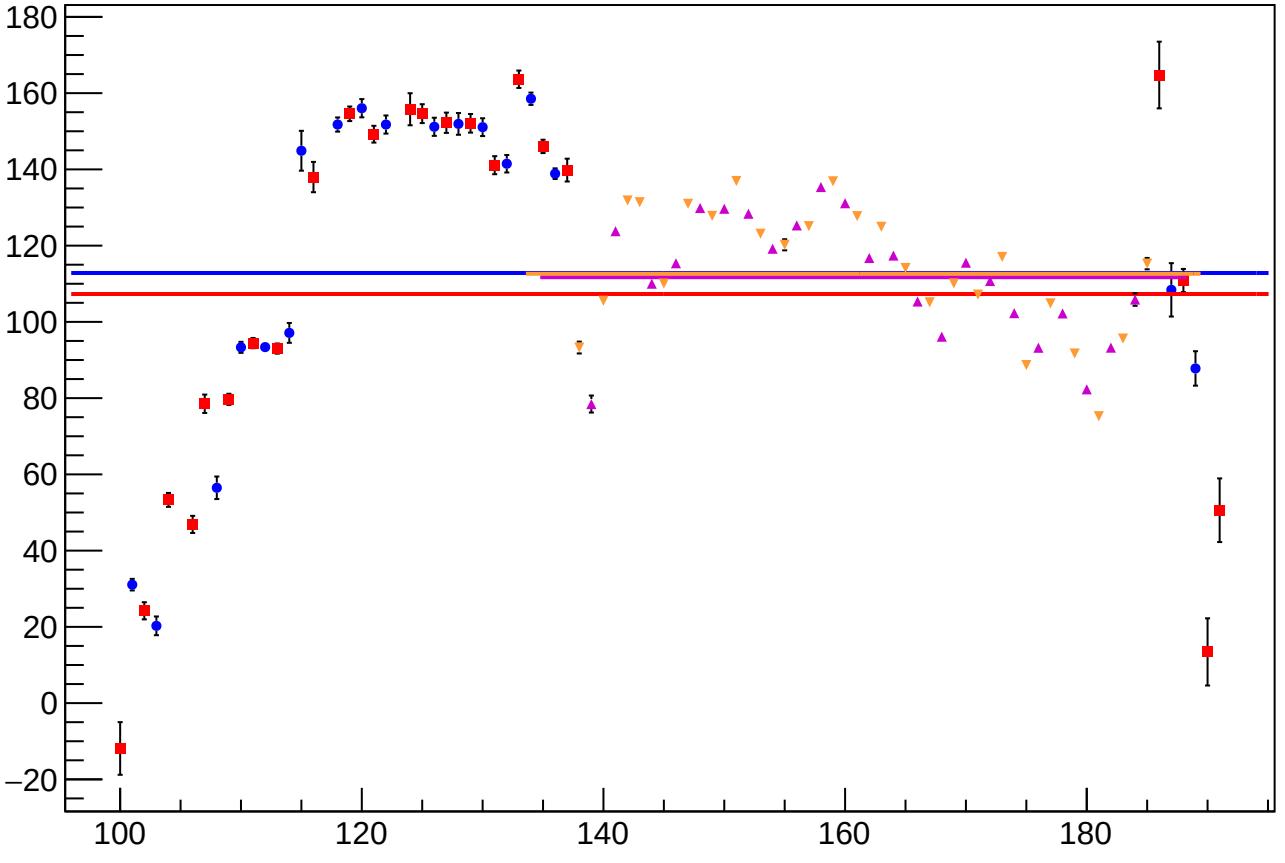
Left In: -57.091+/-0.237 χ^2/NDF:17167.8/22

+ sign -62.926+/-0.202 χ^2/NDF: 26392.7/42

All: -63.481+/-0.143 χ^2/NDF: 51355.3/88

- sign -64.036+/-0.202 χ^2/NDF: 24947.5/45

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: 107.311+/-0.471 χ^2/NDF: 7748.3/22

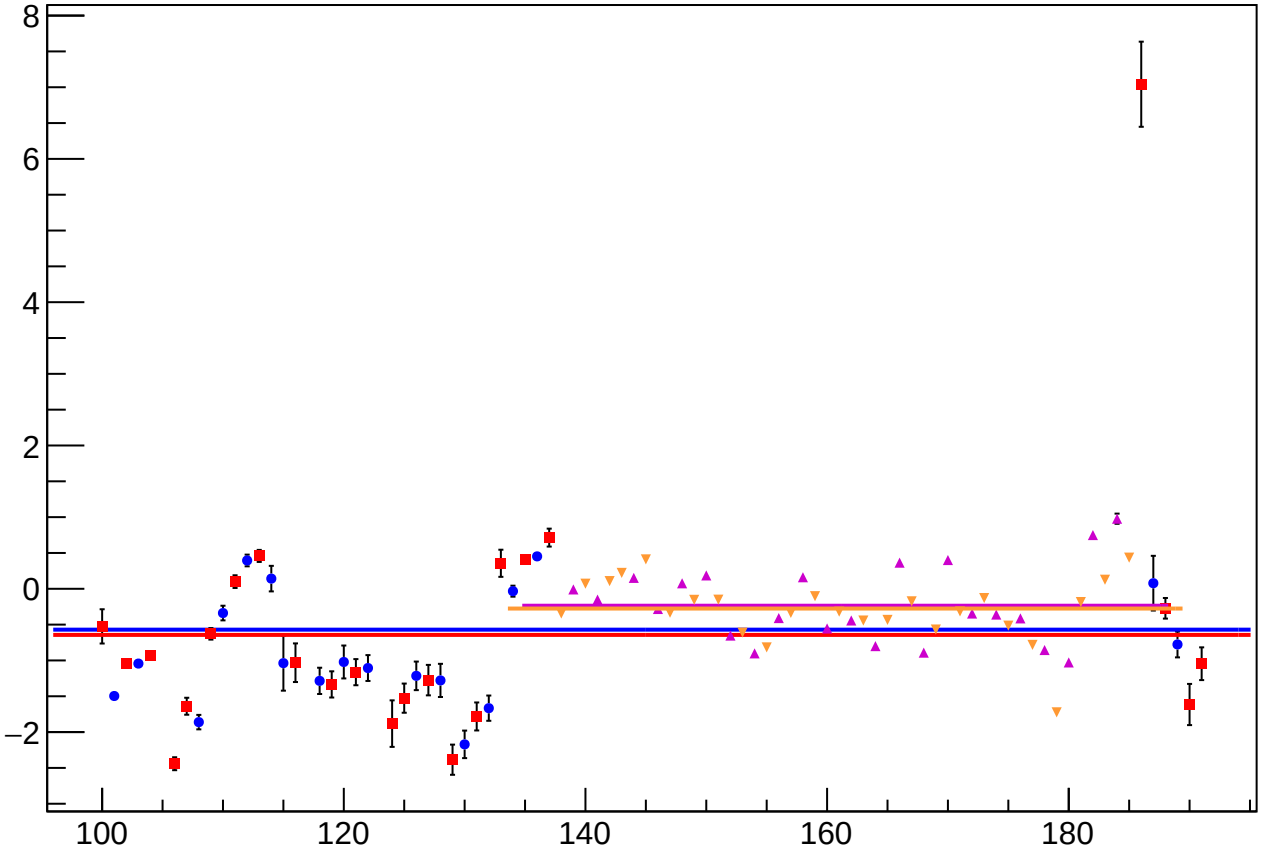
Left In: 111.720+/-0.206 χ^2/NDF:4896.8/22

+ sign 112.654+/-0.185 χ^2/NDF: 14943.8/42

All: 111.851+/-0.132 χ^2/NDF: 27700.9/88

- sign 111.013+/-0.189 χ^2/NDF: 12718.6/45

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: -0.644+/-0.025 χ^2/NDF: 1504.0/22

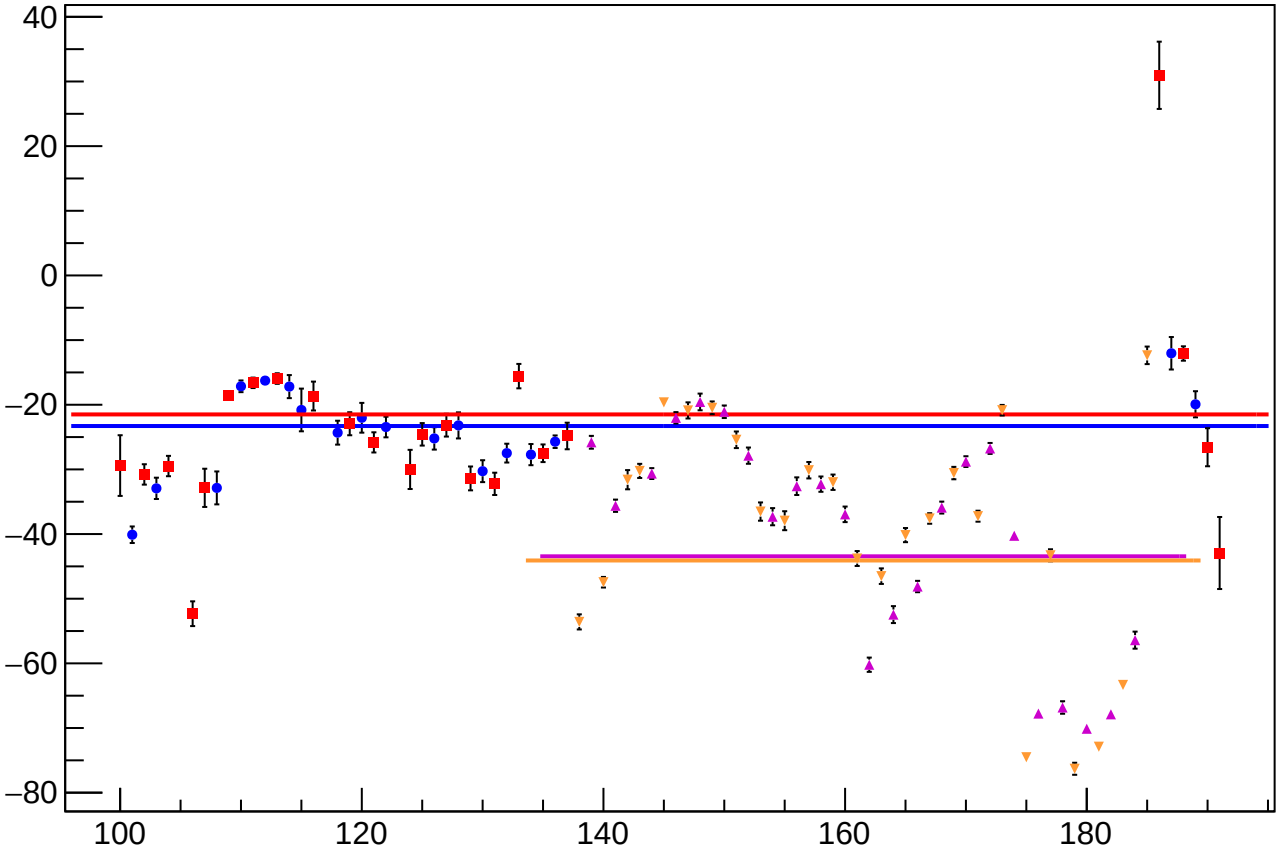
Left In: -0.236+/-0.009 χ^2/NDF:2961.3/22

+ sign -0.308+/-0.008 χ^2/NDF: 3342.9/42

All: -0.298+/-0.006 χ^2/NDF: 8052.3/88

- sign -0.286+/-0.009 χ^2/NDF: 4706.1/45

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: -21.496+/-0.306 χ^2/NDF: 750.1/22

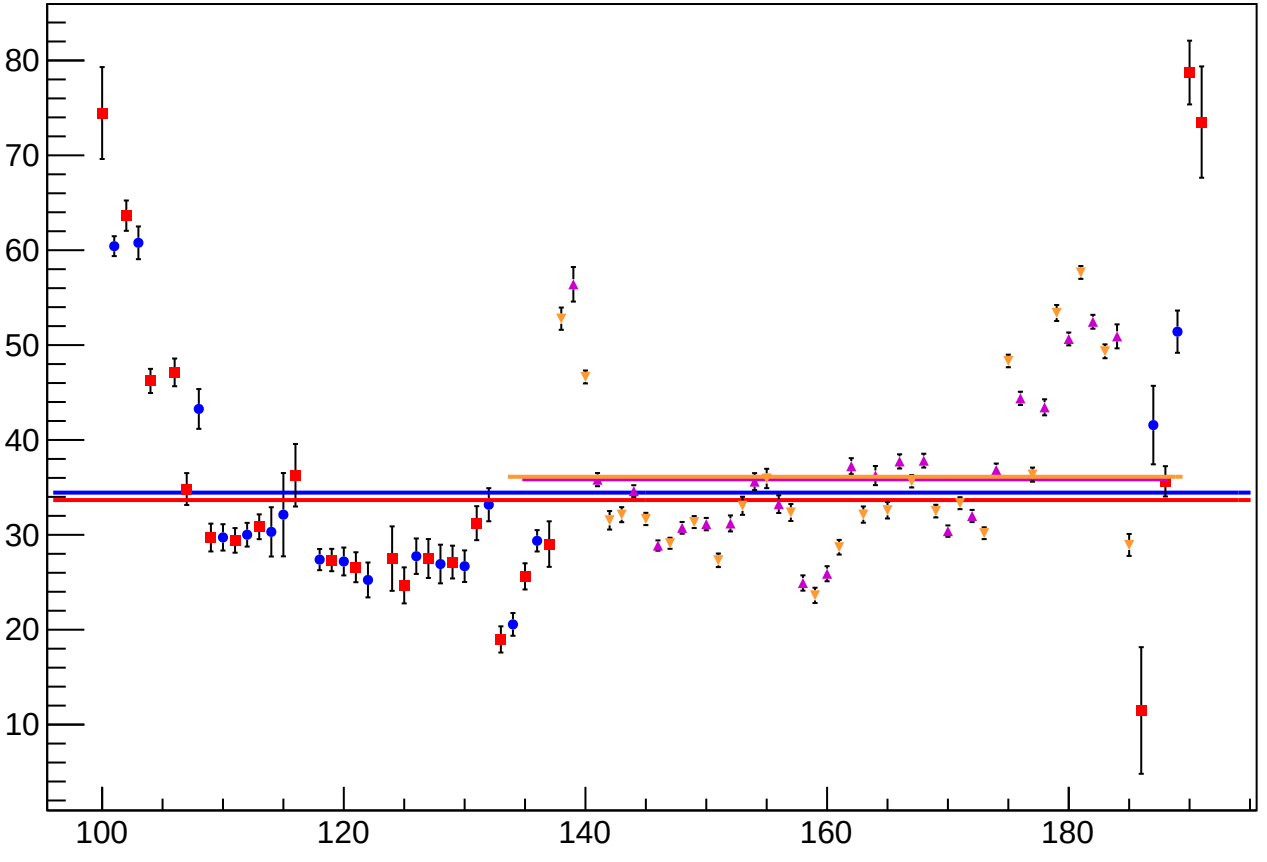
Left In: -43.444+/-0.199 χ^2/NDF:7820.5/22

+ sign -39.020+/-0.168 χ^2/NDF: 13598.7/42

All: -37.976+/-0.118 χ^2/NDF: 25858.2/88

- sign -36.945+/-0.167 χ^2/NDF: 12182.6/45

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: 33.664+/-0.360 χ^2/NDF: 1117.5/22

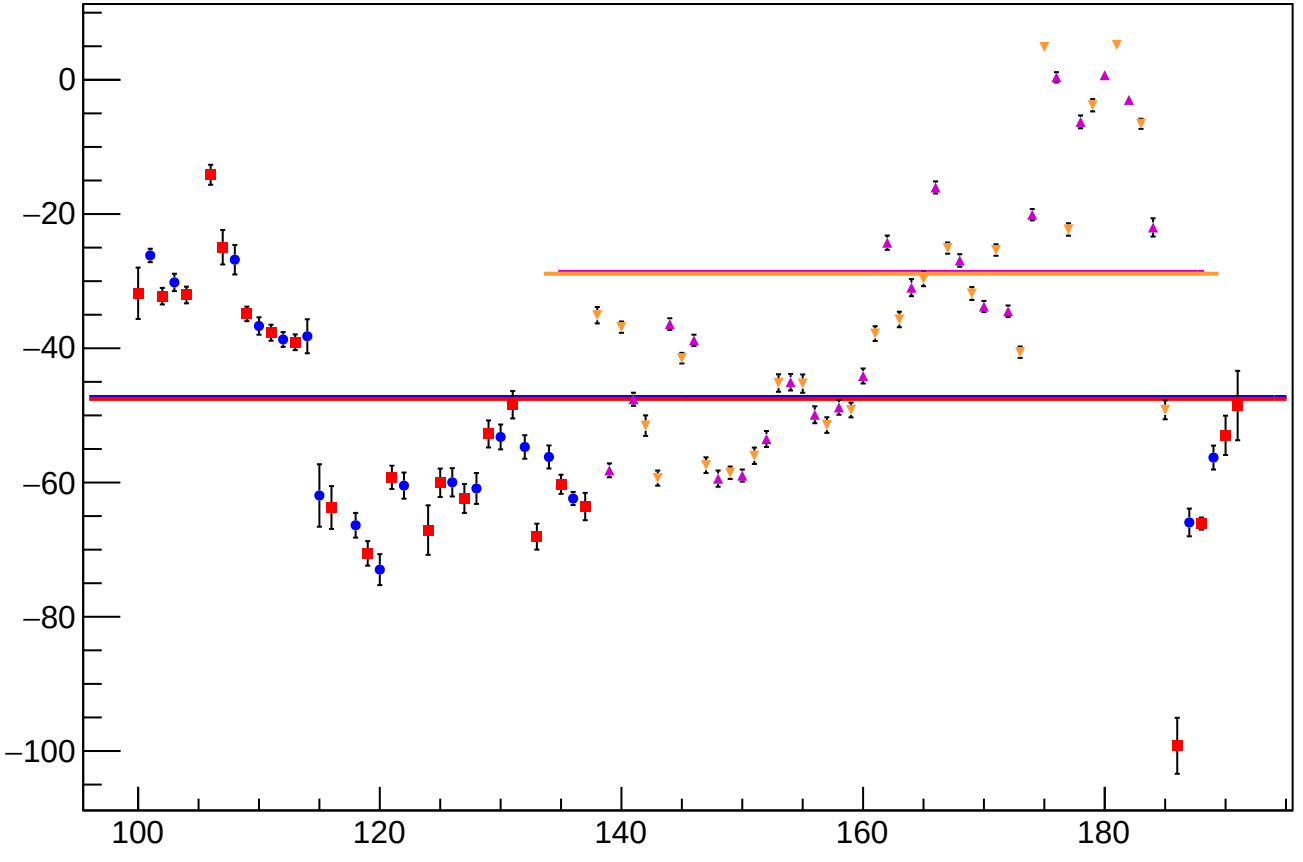
Left In: 35.852+/-0.155 χ^2/NDF:2293.5/22

+ sign 35.885+/-0.139 χ^2/NDF: 4823.7/42

All: 35.702+/-0.099 χ^2/NDF: 8269.5/88

- sign 35.510+/-0.142 χ^2/NDF: 3442.2/45

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: -47.538+/-0.344 χ^2/NDF: 2348.3/22

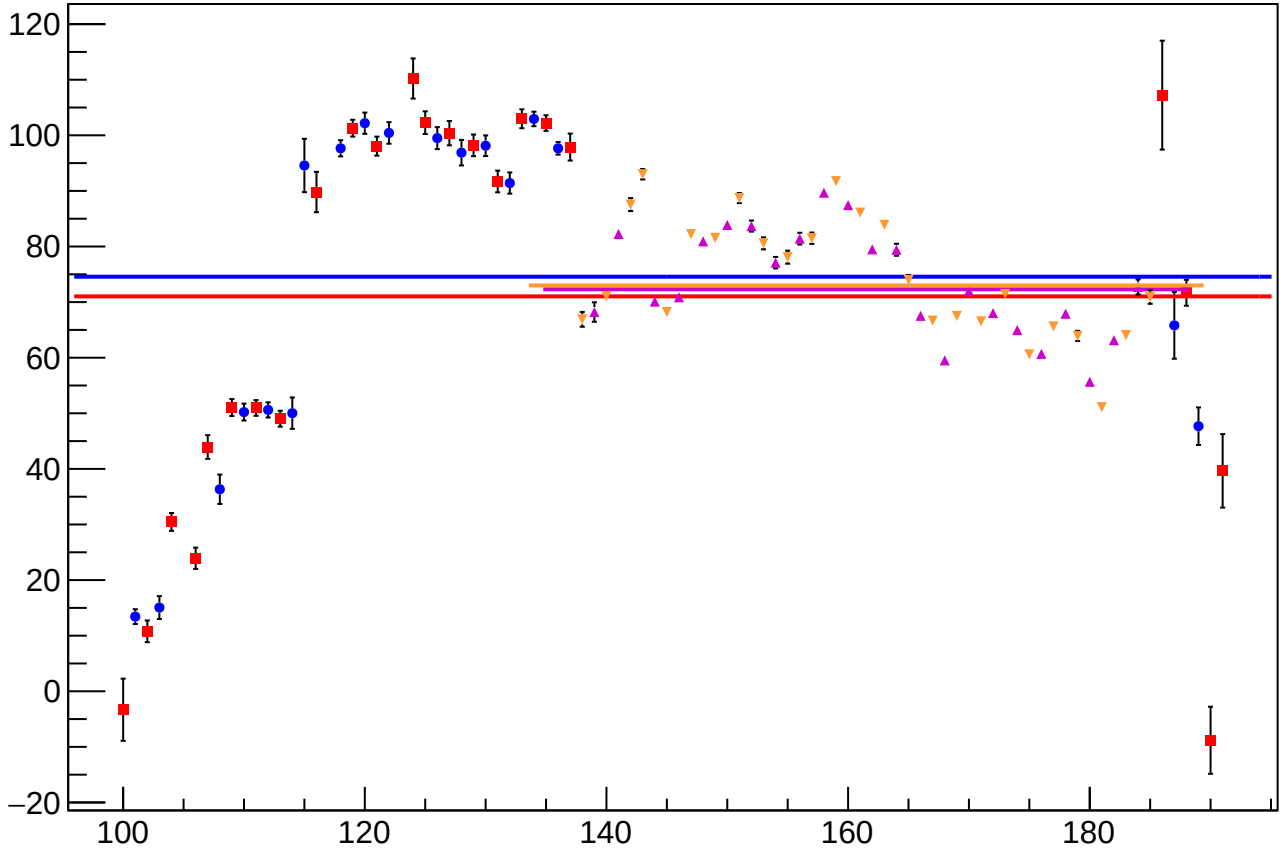
Left In: -28.605+/-0.198 χ^2/NDF:10014.7/22

+ sign -32.738+/-0.171 χ^2/NDF: 15304.9/42

All: -33.020+/-0.121 χ^2/NDF: 29947.0/88

- sign -33.302+/-0.171 χ^2/NDF: 14636.7/45

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: 71.031+/-0.417 χ^2/NDF: 5840.6/22

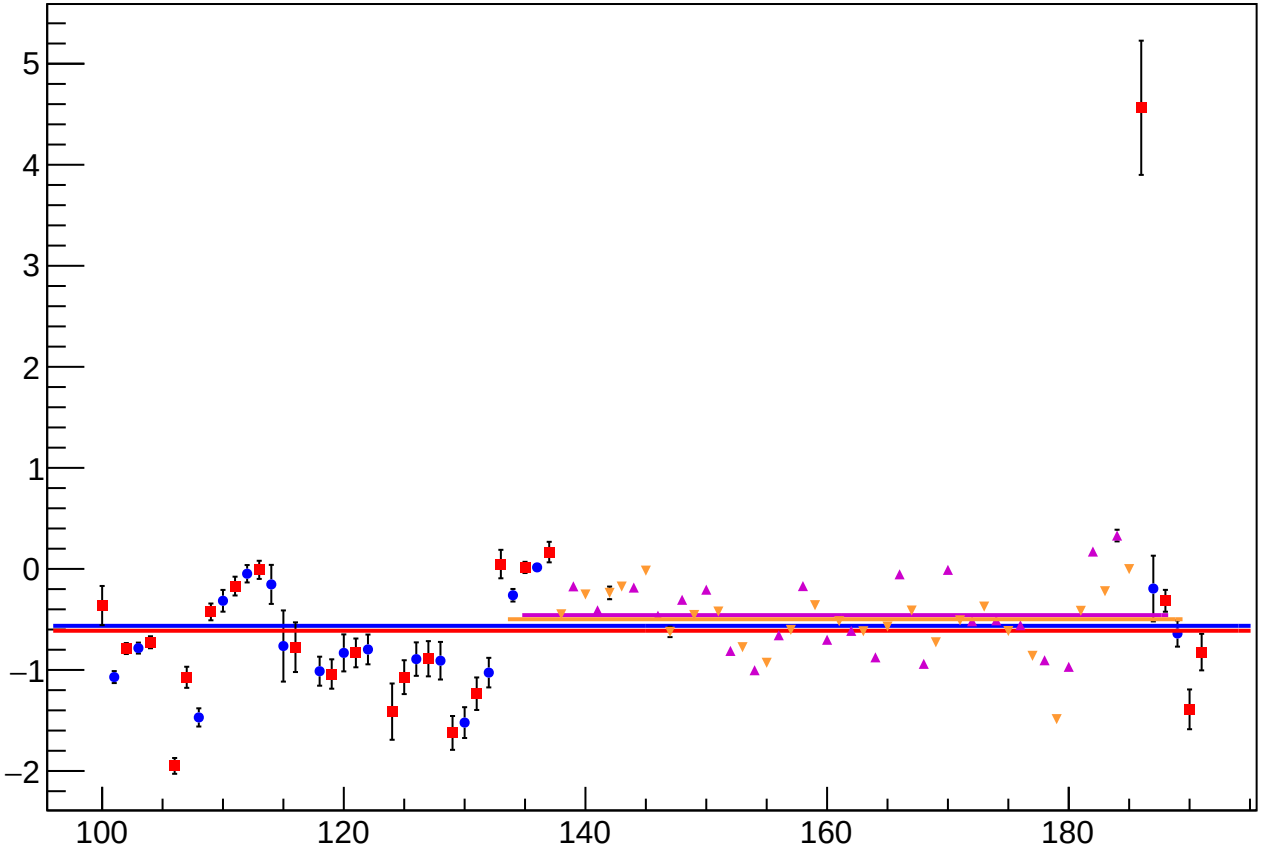
Left In: 72.302+/-0.173 χ^2/NDF:2912.6/22

+ sign 73.216+/-0.157 χ^2/NDF: 9959.3/42

All: 72.678+/-0.112 χ^2/NDF: 18744.6/88

- sign 72.115+/-0.160 χ^2/NDF: 8761.1/45

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: -0.612+/-0.021 χ^2/NDF: 775.3/22

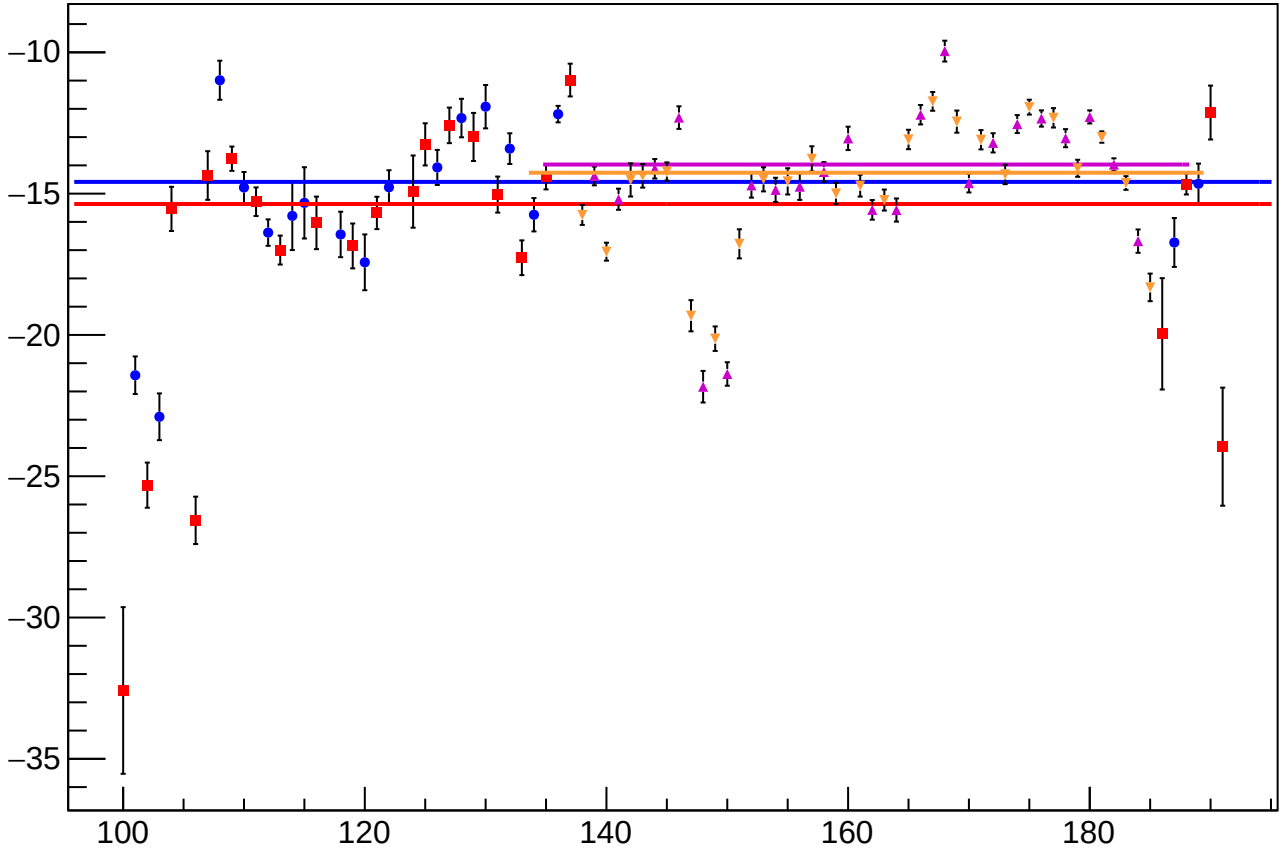
Left In: -0.458+/-0.008 χ^2/NDF:2103.1/22

+ sign -0.505+/-0.007 χ^2/NDF: 1985.5/42

All: -0.490+/-0.005 χ^2/NDF: 4918.6/88

- sign -0.475+/-0.007 χ^2/NDF: 2924.4/45

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: -15.368+/-0.137 χ^2/NDF: 542.1/22

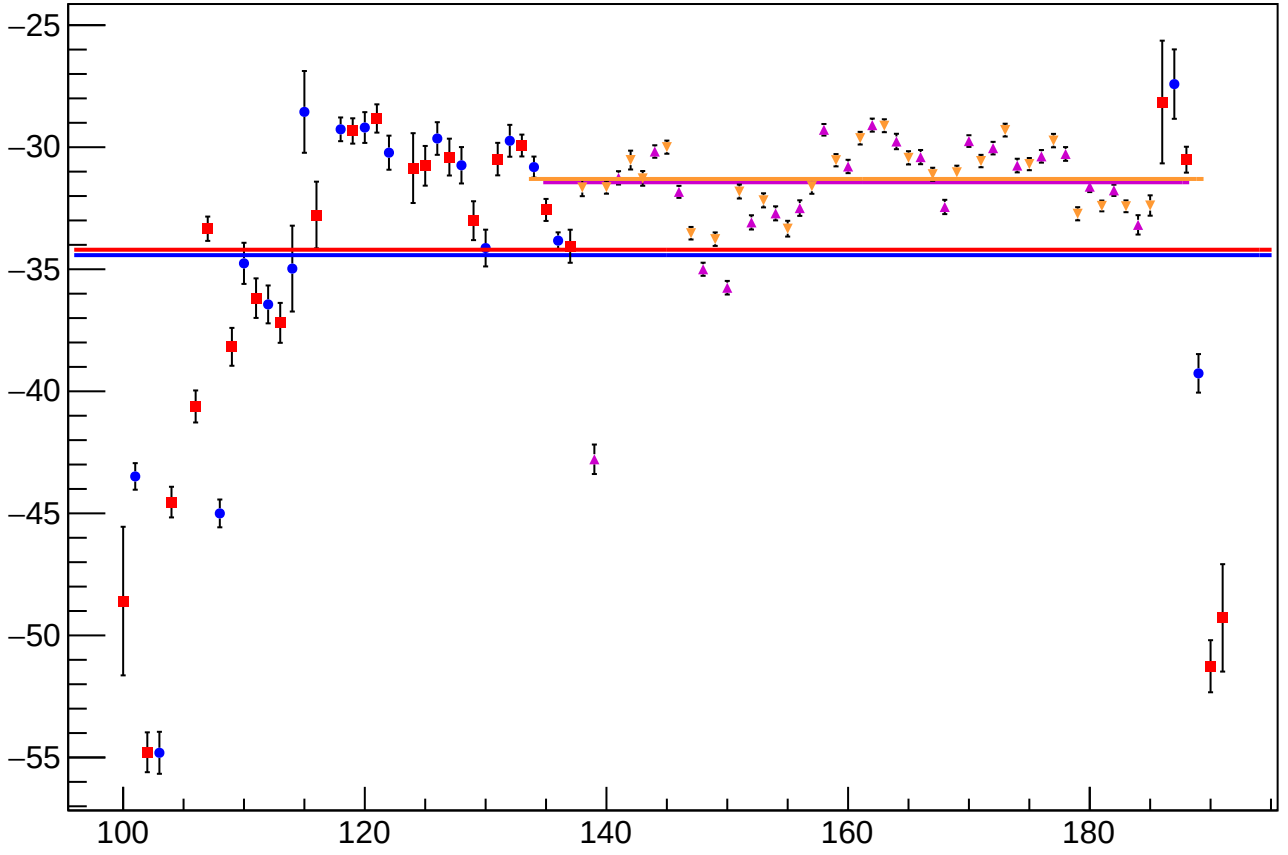
Left In: -13.970+/-0.072 χ^2/NDF:907.7/22

+ sign -14.322+/-0.063 χ^2/NDF: 1097.8/42

All: -14.298+/-0.045 χ^2/NDF: 2629.7/88

- sign -14.273+/-0.064 χ^2/NDF: 1531.6/45

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: -34.200+/-0.146 χ^2/NDF: 1792.0/22

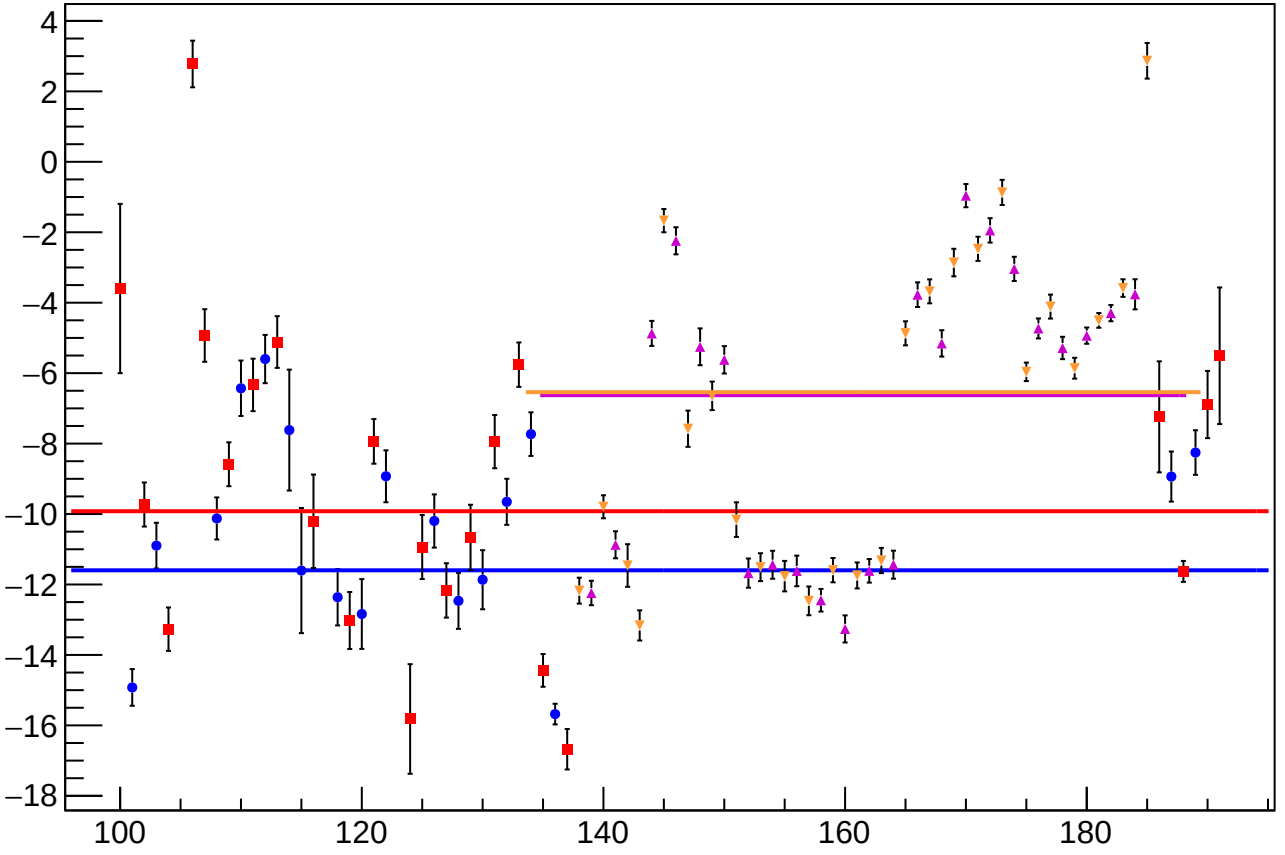
Left In: -31.436+/-0.057 χ^2/NDF:1214.8/22

+ sign -31.675+/-0.052 χ^2/NDF: 2619.0/42

All: -31.738+/-0.037 χ^2/NDF: 5939.2/88

- sign -31.805+/-0.053 χ^2/NDF: 3317.2/45

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

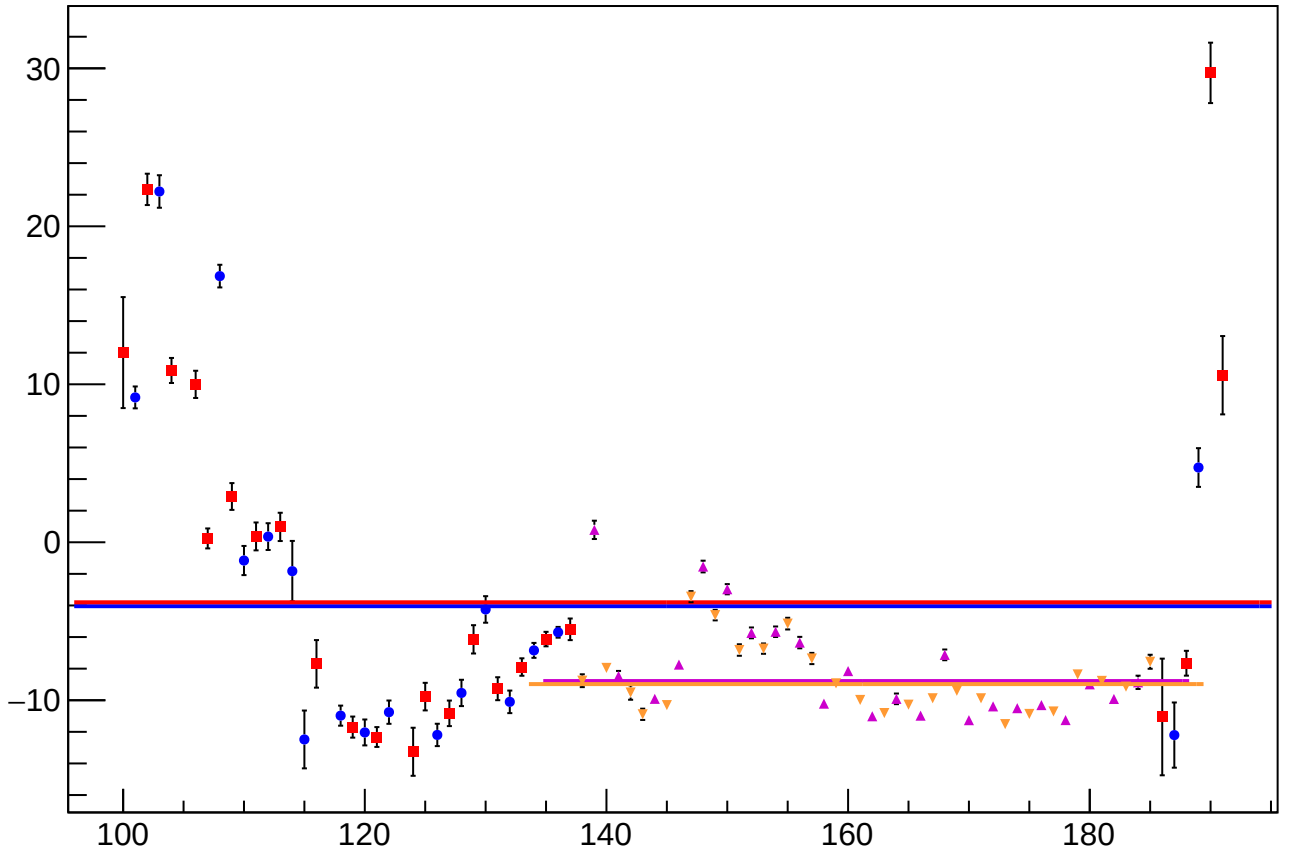
Right Out: -9.920+/-0.142 χ^2/NDF: 903.5/22

Left In: -6.625+/-0.071 χ^2/NDF:2908.0/22

+ sign -7.418+/-0.063 χ^2/NDF: 4638.1/42

All: -7.356+/-0.045 χ^2/NDF: 8882.1/88

- sign -7.292+/-0.064 χ^2/NDF: 4242.1/45



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: -3.800+/-0.171 χ^2/NDF: 2479.6/22

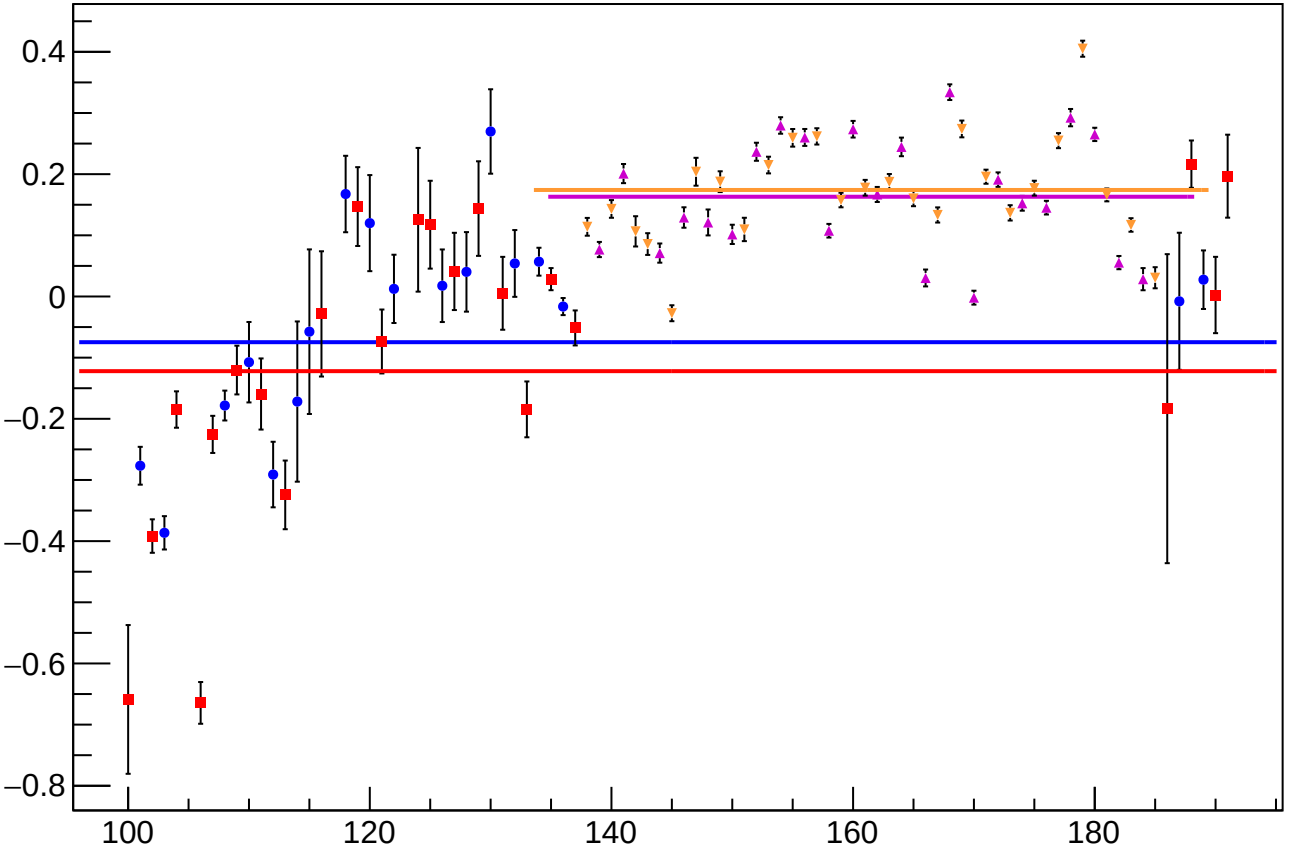
Left In: -8.785+/-0.063 χ^2/NDF:1685.0/22

+ sign -8.406+/-0.058 χ^2/NDF: 4310.8/42

All: -8.296+/-0.041 χ^2/NDF: 9233.8/88

- sign -8.180+/-0.059 χ^2/NDF: 4915.6/45

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



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: -0.122+/-0.009 χ^2/NDF: 636.3/22

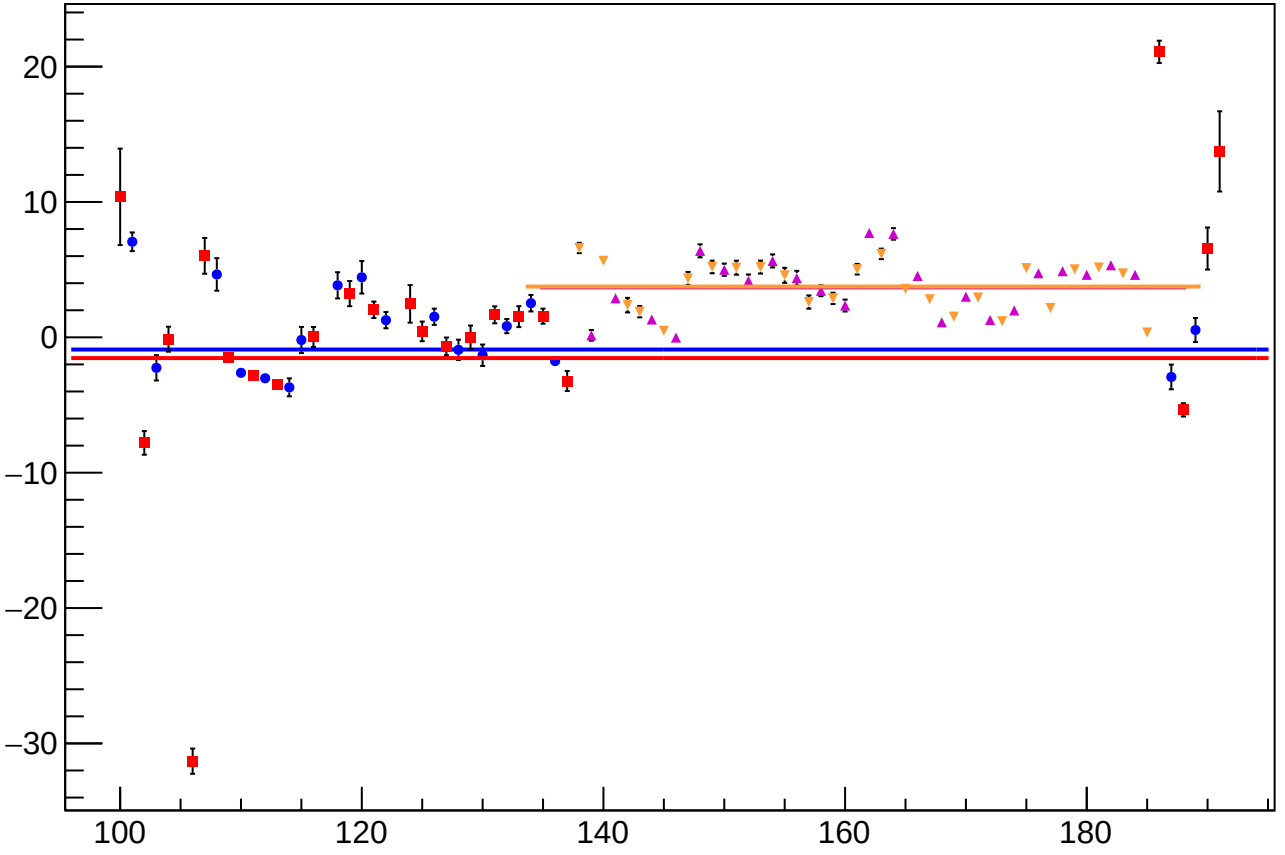
Left In: 0.163+/-0.003 χ^2/NDF:1195.1/22

+ sign 0.151+/-0.003 χ^2/NDF: 2039.1/42

All: 0.144+/-0.002 χ^2/NDF: 4866.1/88

- sign 0.137+/-0.003 χ^2/NDF: 2812.8/45

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



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: -1.533+/-0.122 χ^2/NDF: 2205.5/22

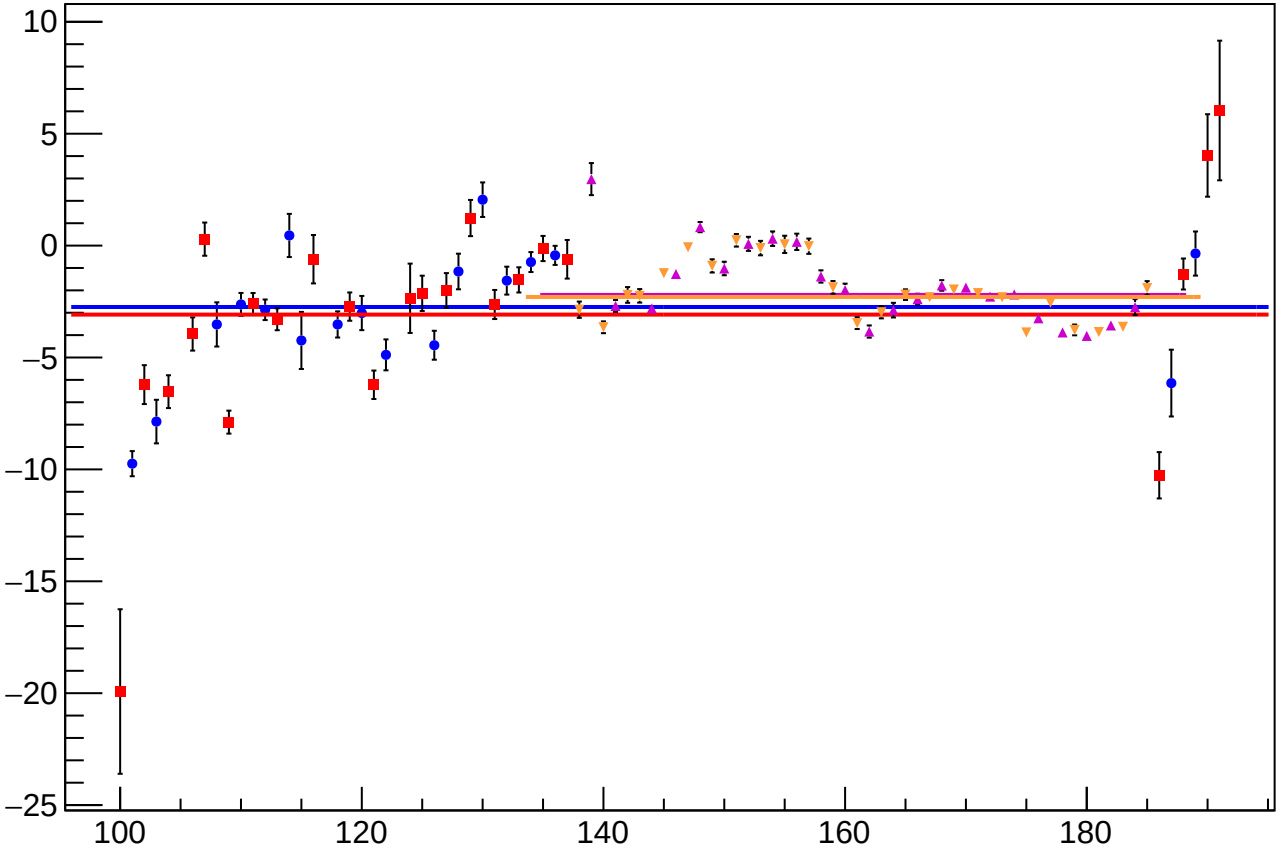
Left In: 3.688+/-0.064 χ^2/NDF:953.3/22

+ sign 2.926+/-0.056 χ^2/NDF: 2195.3/42

All: 2.749+/-0.040 χ^2/NDF: 6805.5/88

- sign 2.569+/-0.057 χ^2/NDF: 4590.1/45

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



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: -3.083+/-0.151 χ^2/NDF: 350.9/22

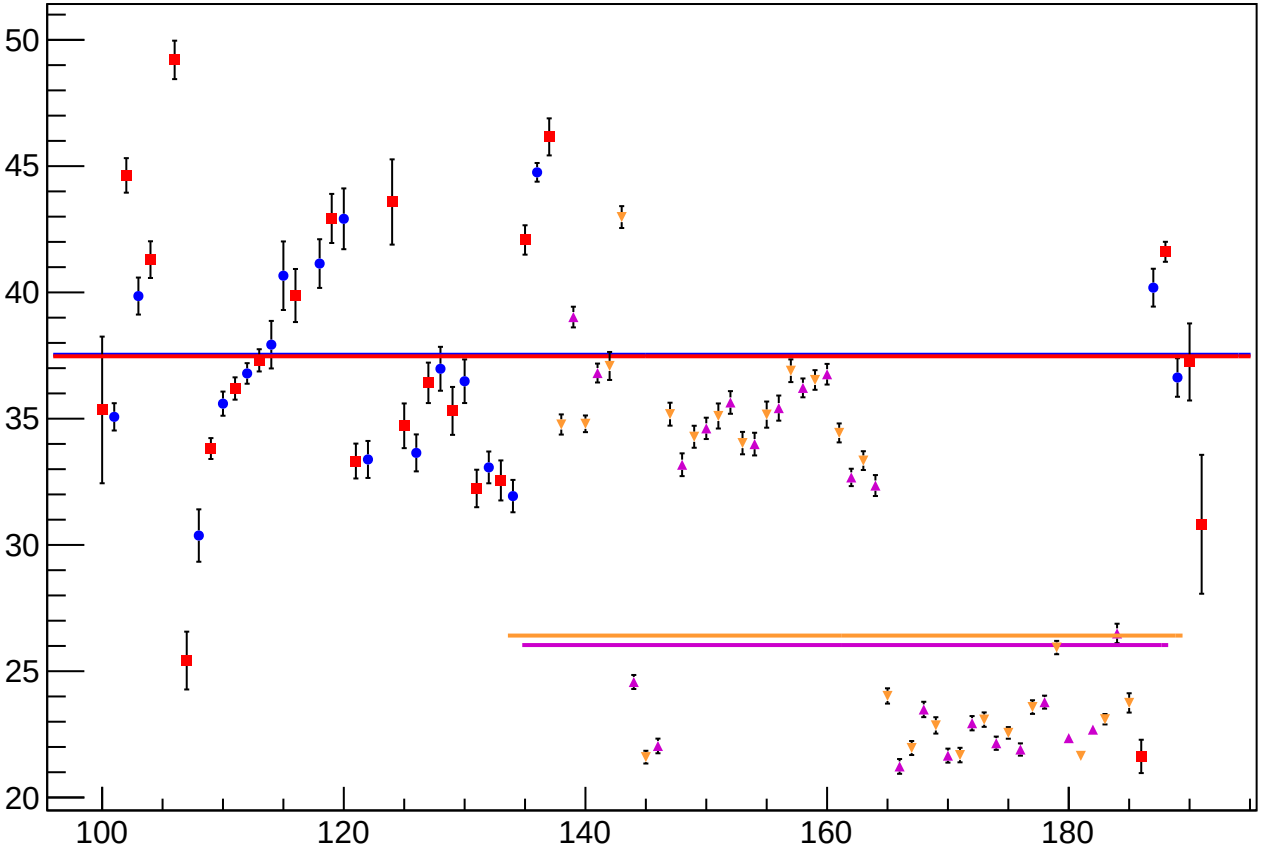
Left In: -2.204+/-0.051 χ^2/NDF:724.7/22

+ sign -2.337+/-0.047 χ^2/NDF: 960.4/42

All: -2.315+/-0.034 χ^2/NDF: 2066.7/88

- sign -2.293+/-0.048 χ^2/NDF: 1105.9/45

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: 37.470+/-0.143 χ^2/NDF: 1658.2/22

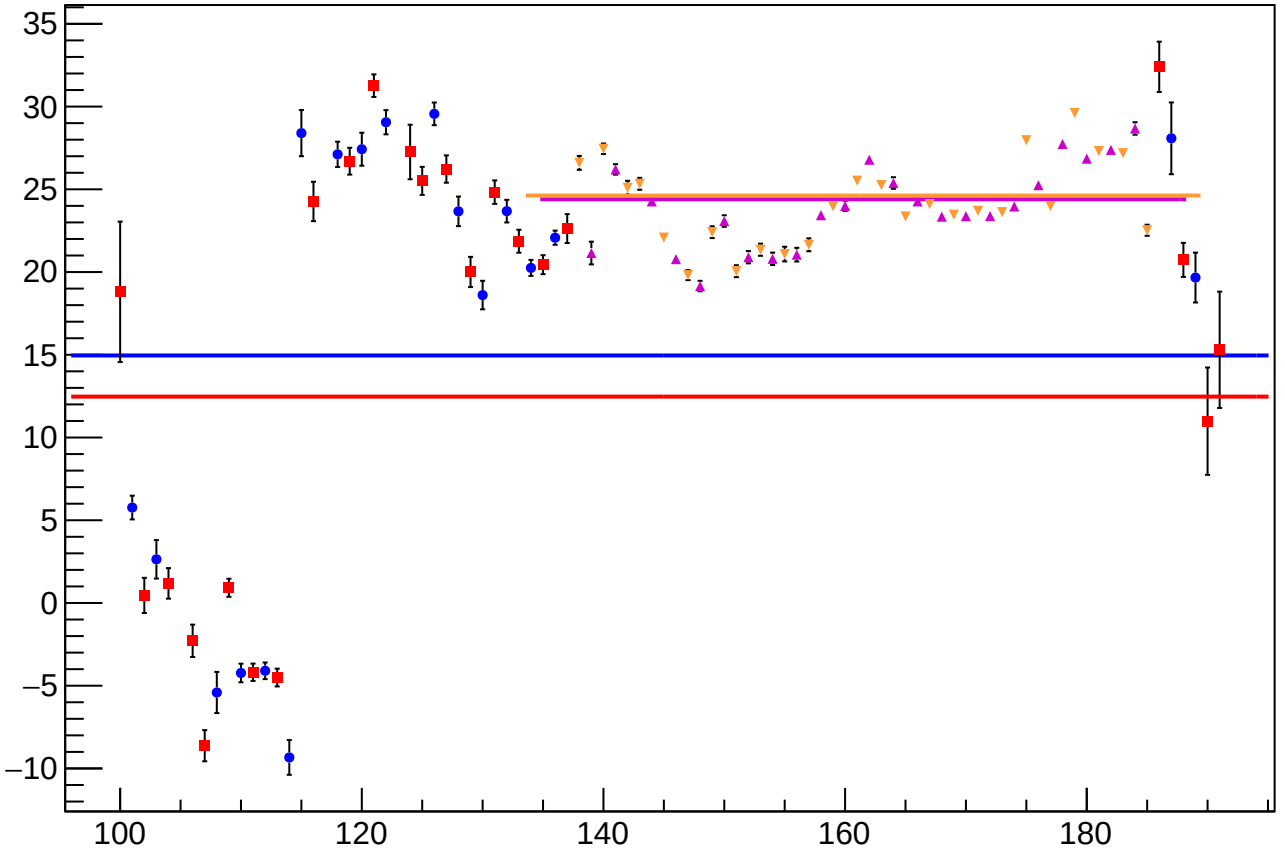
Left In: 26.036+/-0.064 χ^2/NDF:7842.9/22

+ sign 27.975+/-0.058 χ^2/NDF: 14428.5/42

All: 27.952+/-0.041 χ^2/NDF: 29231.5/88

- sign 27.928+/-0.058 χ^2/NDF: 14802.6/45

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: 12.472+/-0.173 χ^2/NDF: 6351.3/22

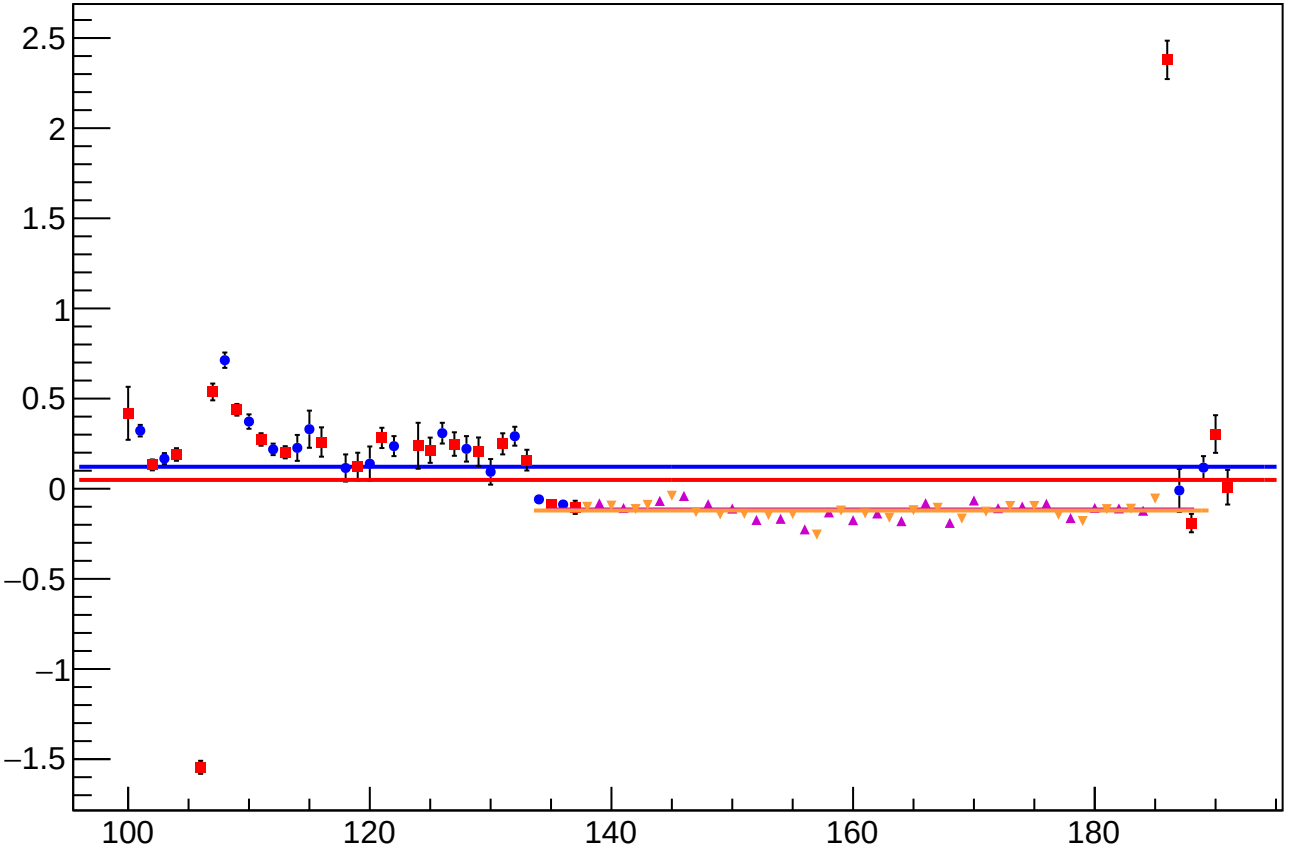
Left In: 24.397+/-0.056 χ^2/NDF:1715.6/22

\+ sign 23.724+/-0.053 χ^2/NDF: 10541.6/42

All: 23.490+/-0.038 χ^2/NDF: 22958.2/88

\- sign 23.246+/-0.054 χ^2/NDF: 12376.0/45

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.122+/-0.009 χ^2/NDF: 521.2/17

Left Out: -0.121+/-0.002 χ^2/NDF:262.9/24

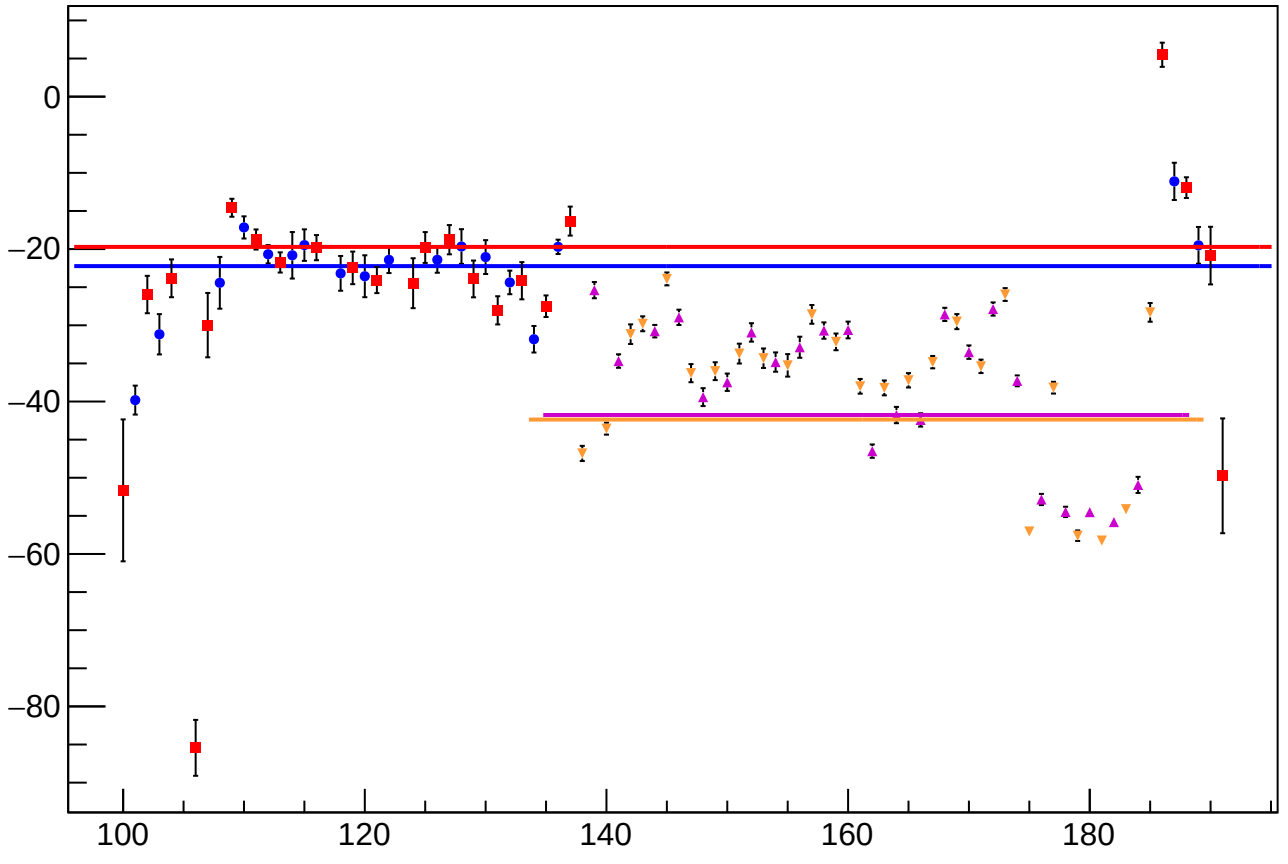
Right Out: 0.049+/-0.009 χ^2/NDF: 2922.8/22

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: 4916.4/88

\- sign -0.105+/-0.002 χ^2/NDF: 3493.8/45



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: -19.714+/-0.398 χ^2/NDF: 742.2/22

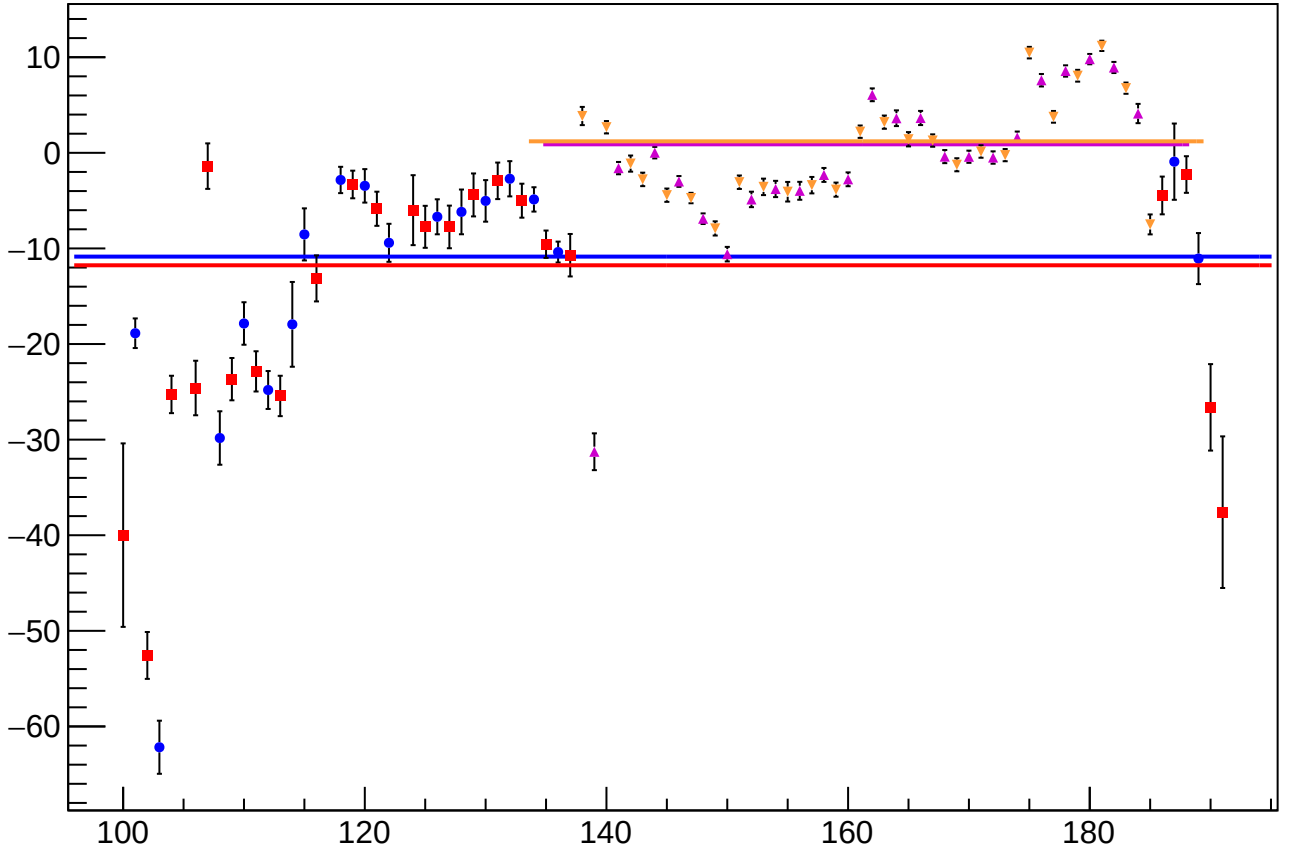
Left In: -41.764+/-0.182 χ^2/NDF:3459.2/22

+ sign -39.397+/-0.162 χ^2/NDF: 6601.8/42

All: -38.696+/-0.116 χ^2/NDF: 13379.4/88

- sign -37.963+/-0.165 χ^2/NDF: 6739.2/45

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

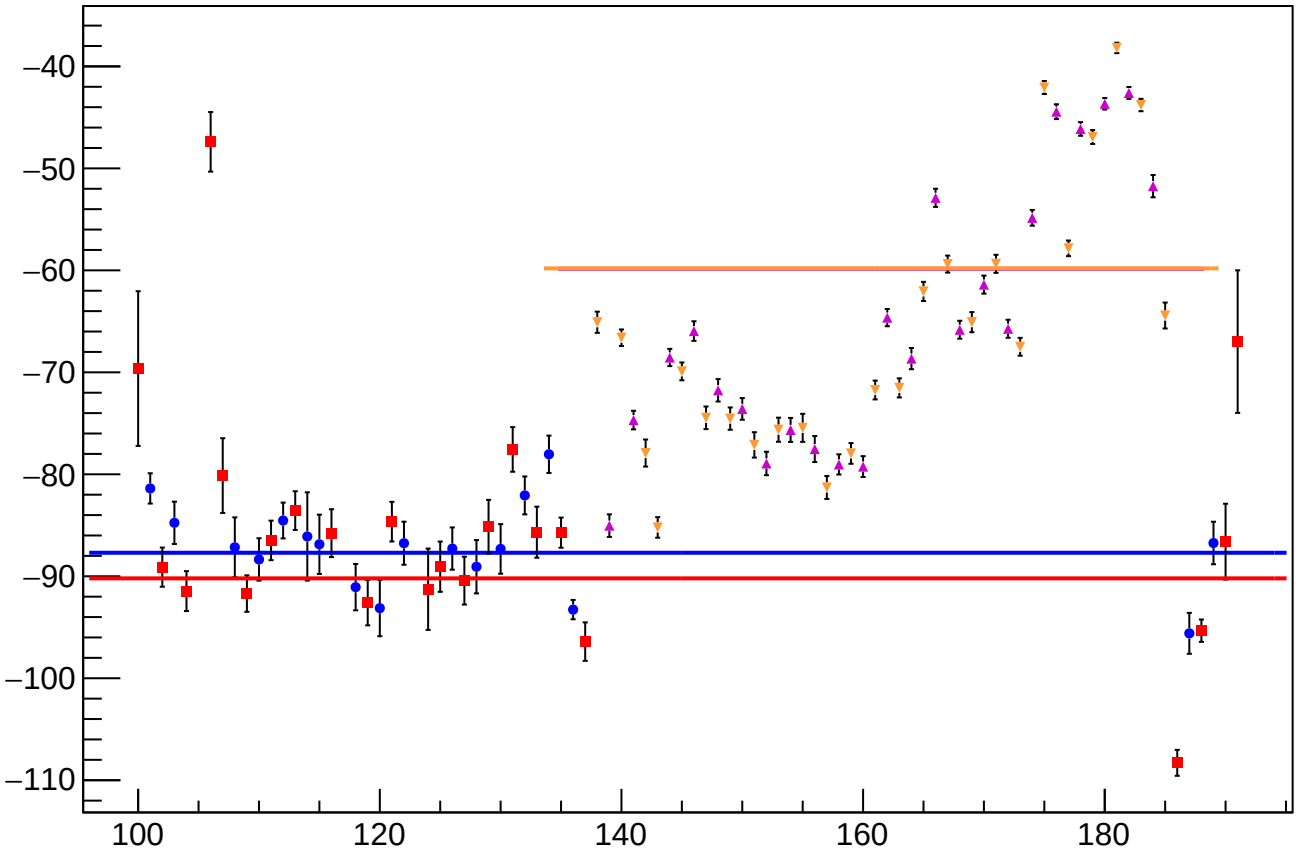
Right Out: -11.764+/-0.451 χ^2/NDF: 634.5/22

Left In: 0.889+/-0.143 χ^2/NDF:1763.7/22

+ sign 0.139+/-0.132 χ^2/NDF: 2729.2/42

All: -0.056+/-0.095 χ^2/NDF: 5847.0/88

- sign -0.265+/-0.136 χ^2/NDF: 3113.2/45



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: -90.205+/-0.428 χ^2/NDF: 557.1/22

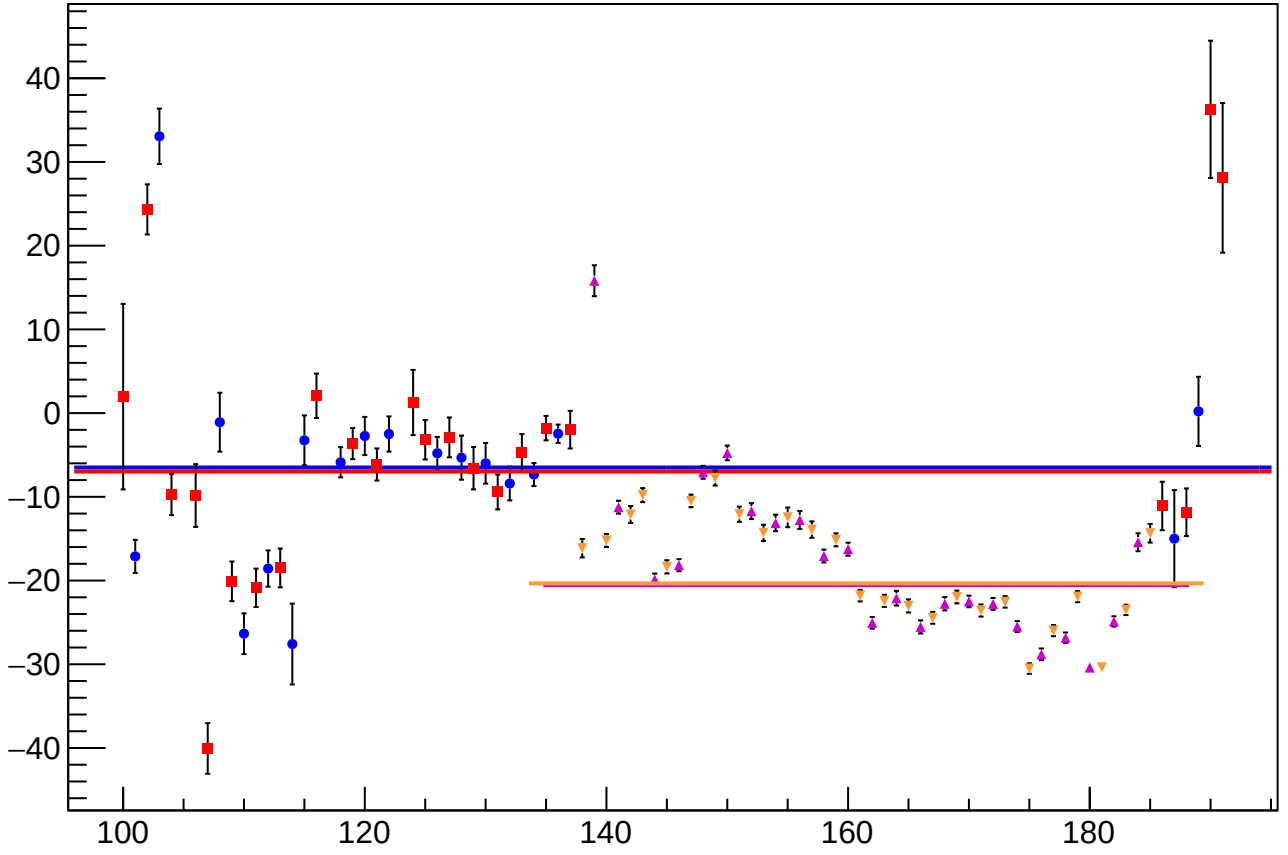
Left In: -59.846+/-0.181 χ^2/NDF:5534.1/22

\+ sign -63.399+/-0.164 χ^2/NDF: 10019.9/42

All: -63.914+/-0.117 χ^2/NDF: 20394.7/88

\- sign -64.450+/-0.167 χ^2/NDF: 10354.6/45

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



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: -6.981+/-0.521 χ^2/NDF: 416.5/22

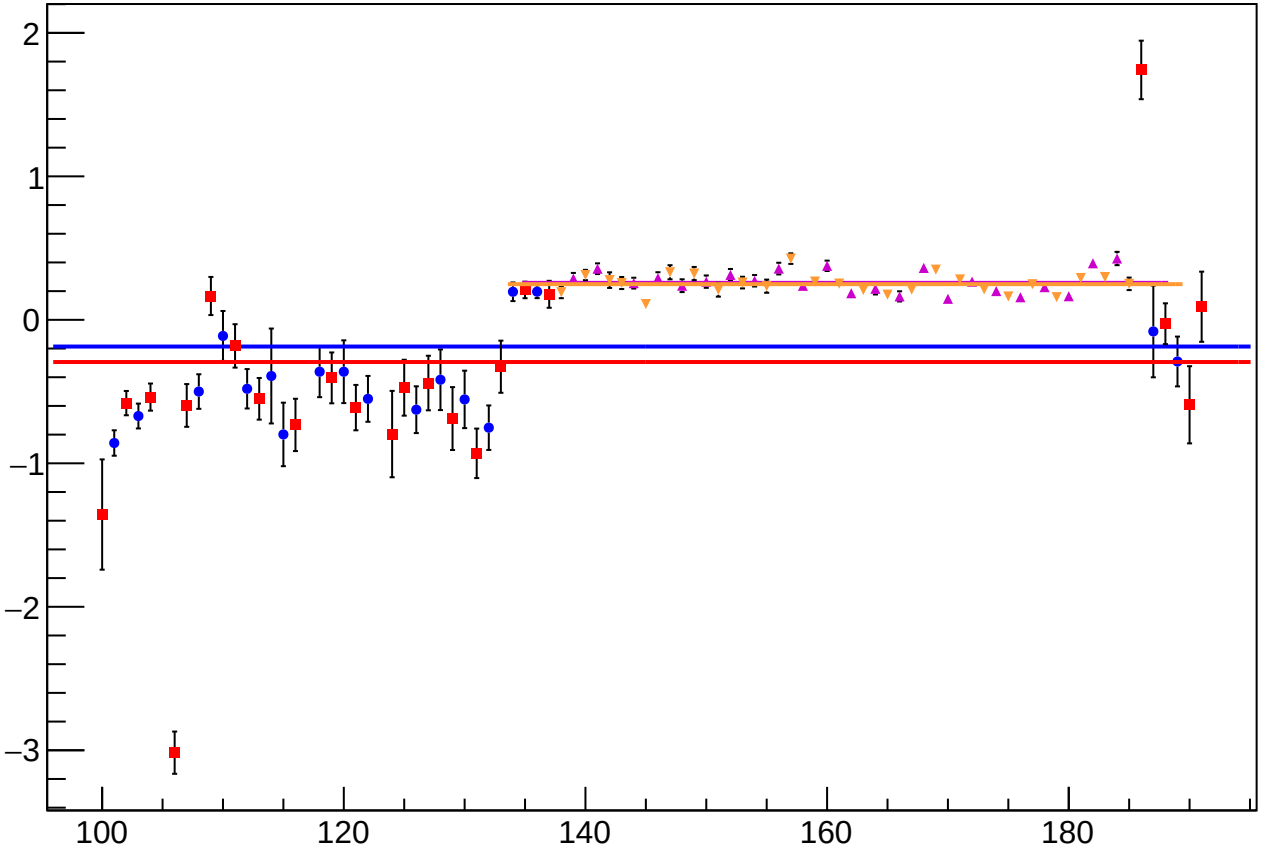
Left In: -20.555+/-0.160 χ^2/NDF:2193.8/22

+ sign -19.141+/-0.148 χ^2/NDF: 2713.5/42

All: -19.263+/-0.106 χ^2/NDF: 5944.9/88

- sign -19.393+/-0.153 χ^2/NDF: 3230.0/45

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



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: -0.294+/-0.028 χ^2/NDF: 626.9/22

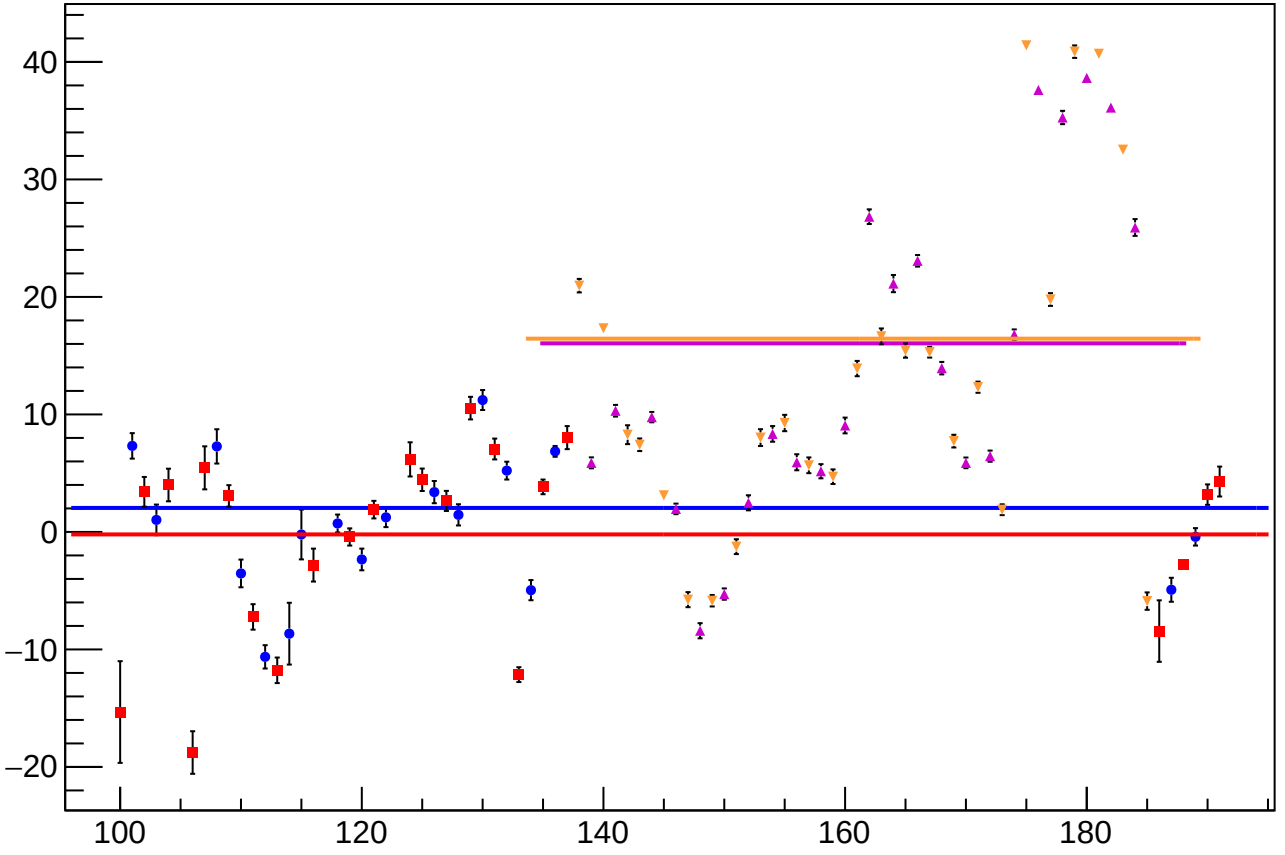
Left In: 0.258+/-0.007 χ^2/NDF:134.3/22

+ sign 0.220+/-0.007 χ^2/NDF: 595.2/42

All: 0.222+/-0.005 χ^2/NDF: 1718.9/88

- sign 0.224+/-0.007 χ^2/NDF: 1123.6/45

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

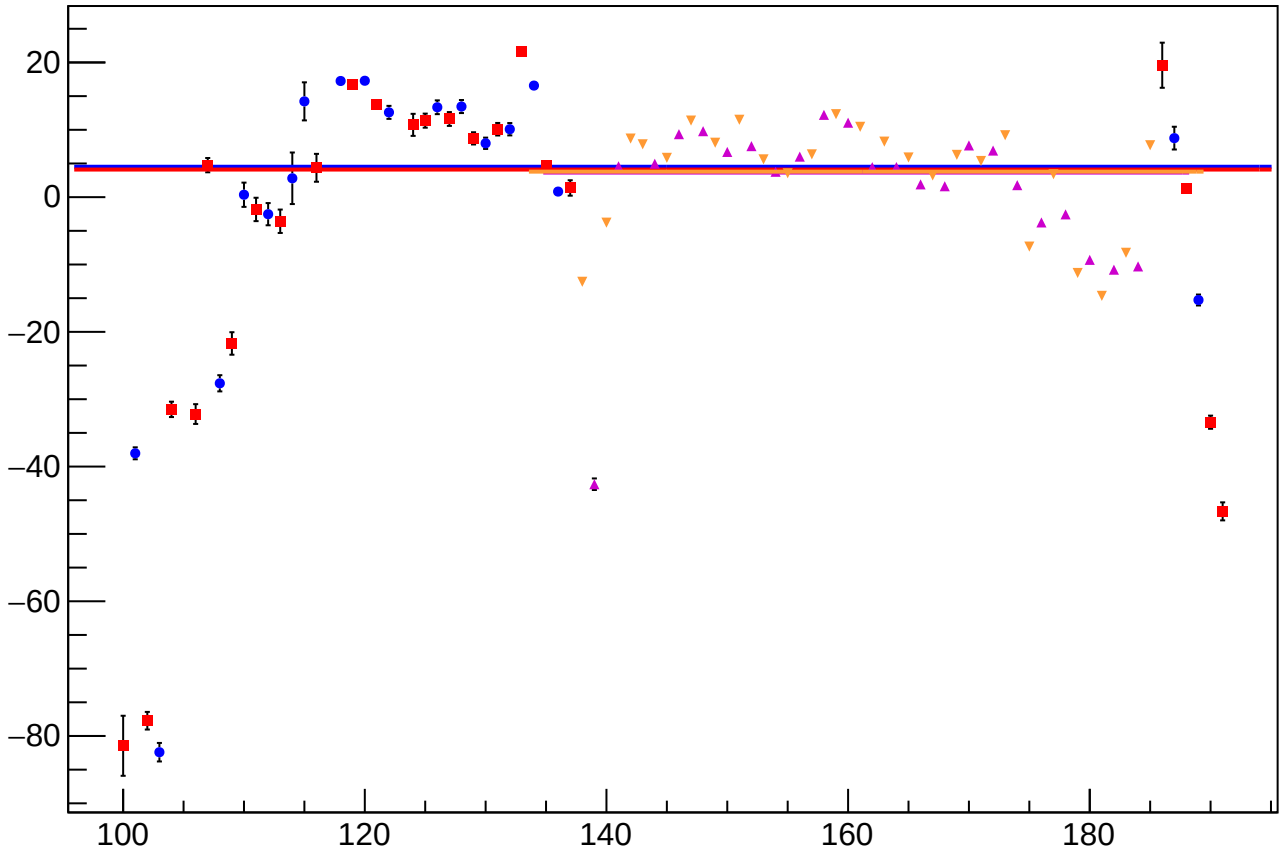
Right Out: -0.210+/-0.184 χ^2/NDF: 1120.9/22

Left In: 16.051+/-0.107 χ^2/NDF:17625.1/22

+ sign 13.610+/-0.093 χ^2/NDF: 25817.9/42

All: 12.771+/-0.066 χ^2/NDF: 50535.9/88

- sign 11.942+/-0.093 χ^2/NDF: 24556.9/45



Right In: 4.514+/-0.202 χ^2/NDF: 9568.7/17

Left Out: 3.790+/-0.080 χ^2/NDF:9100.7/24

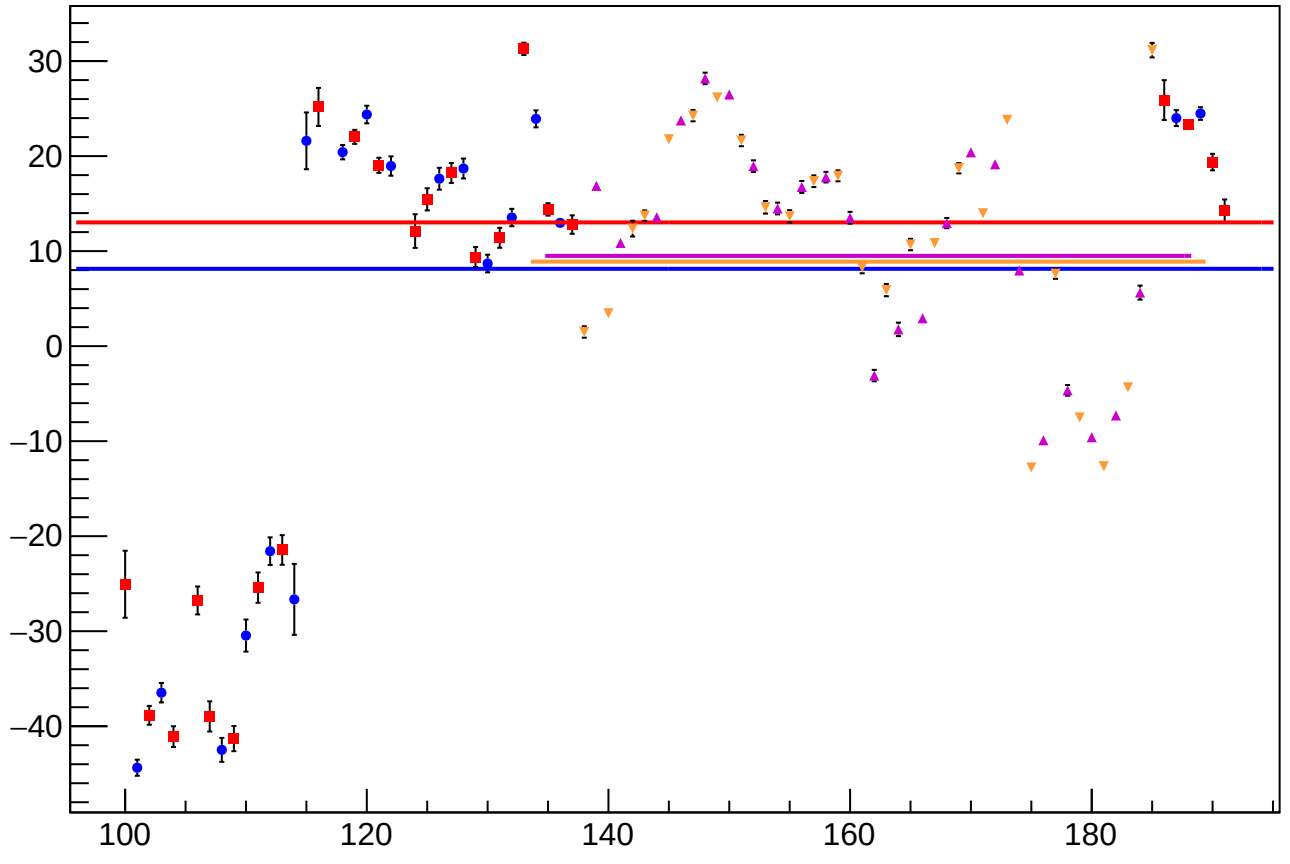
Right Out: 4.098+/-0.189 χ^2/NDF: 11602.4/22

Left In: 3.649+/-0.083 χ^2/NDF:8310.7/22

\+ sign 3.889+/-0.074 χ^2/NDF: 18680.5/42

All: 3.807+/-0.053 χ^2/NDF: 38600.9/88

\- sign 3.721+/-0.076 χ^2/NDF: 19917.8/45



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: 13.019+/-0.181 χ^2/NDF: 12176.4/22

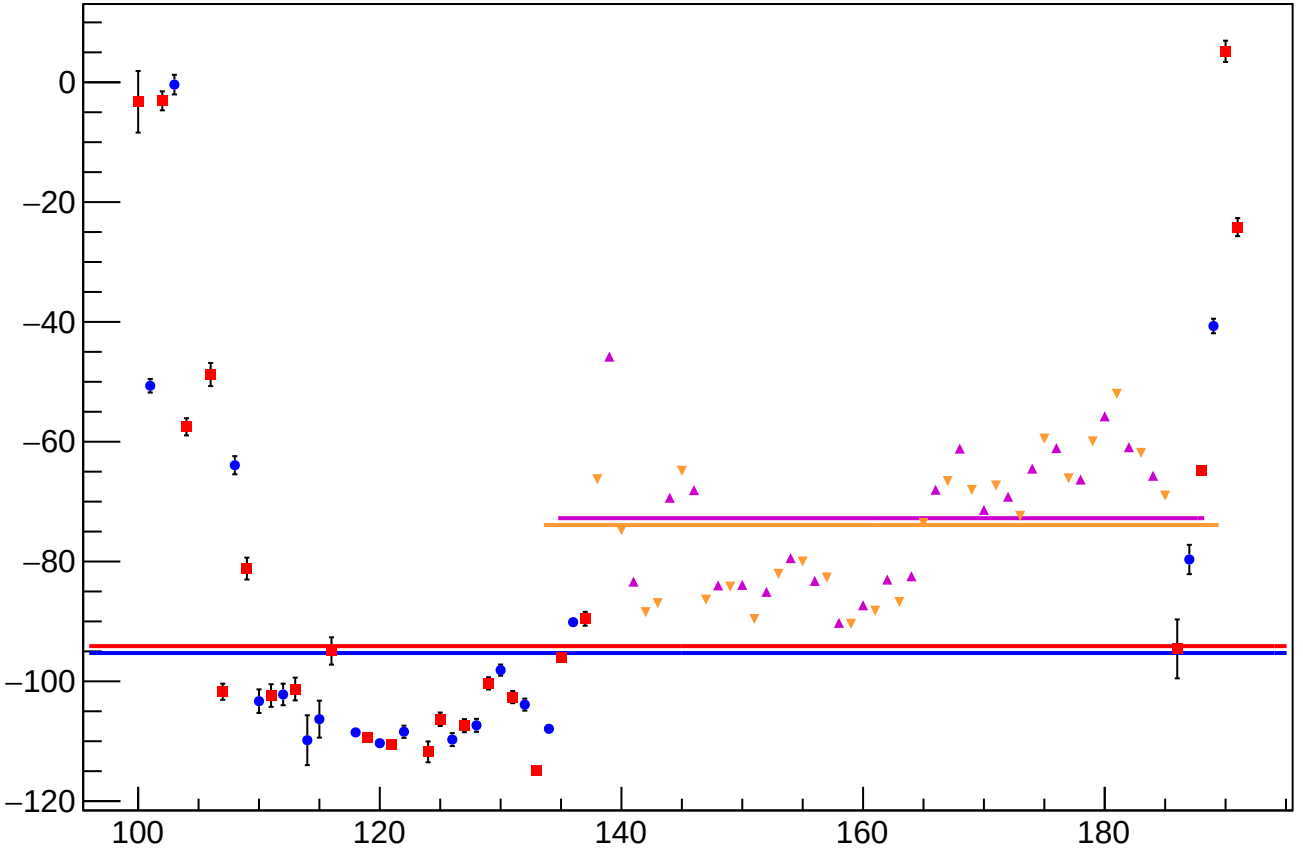
Left In: 9.500+/-0.107 χ^2/NDF:13040.9/22

+ sign 8.750+/-0.094 χ^2/NDF: 26091.8/42

All: 9.591+/-0.066 χ^2/NDF: 51747.9/88

- sign 10.402+/-0.092 χ^2/NDF: 25497.2/45

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



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: -94.125+/-0.226 χ^2/NDF: 14419.8/22

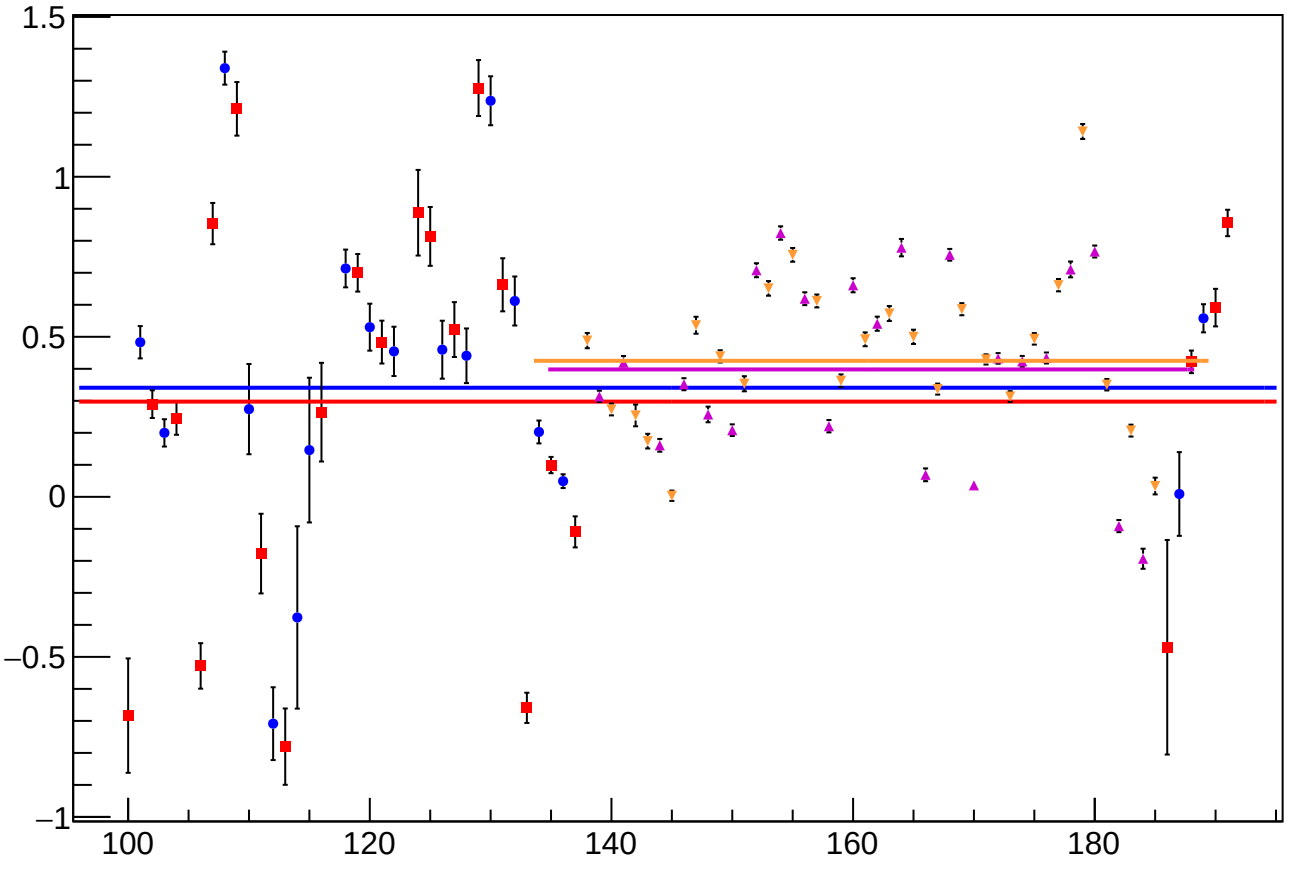
Left In: -72.763+/-0.093 χ^2/NDF:12612.6/22

\+ sign -76.645+/-0.084 χ^2/NDF: 32006.0/42

All: -76.270+/-0.060 χ^2/NDF: 66718.4/88

\- sign -75.878+/-0.086 χ^2/NDF: 34672.1/45

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



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: 0.297+/-0.012 χ^2/NDF: 1481.2/22

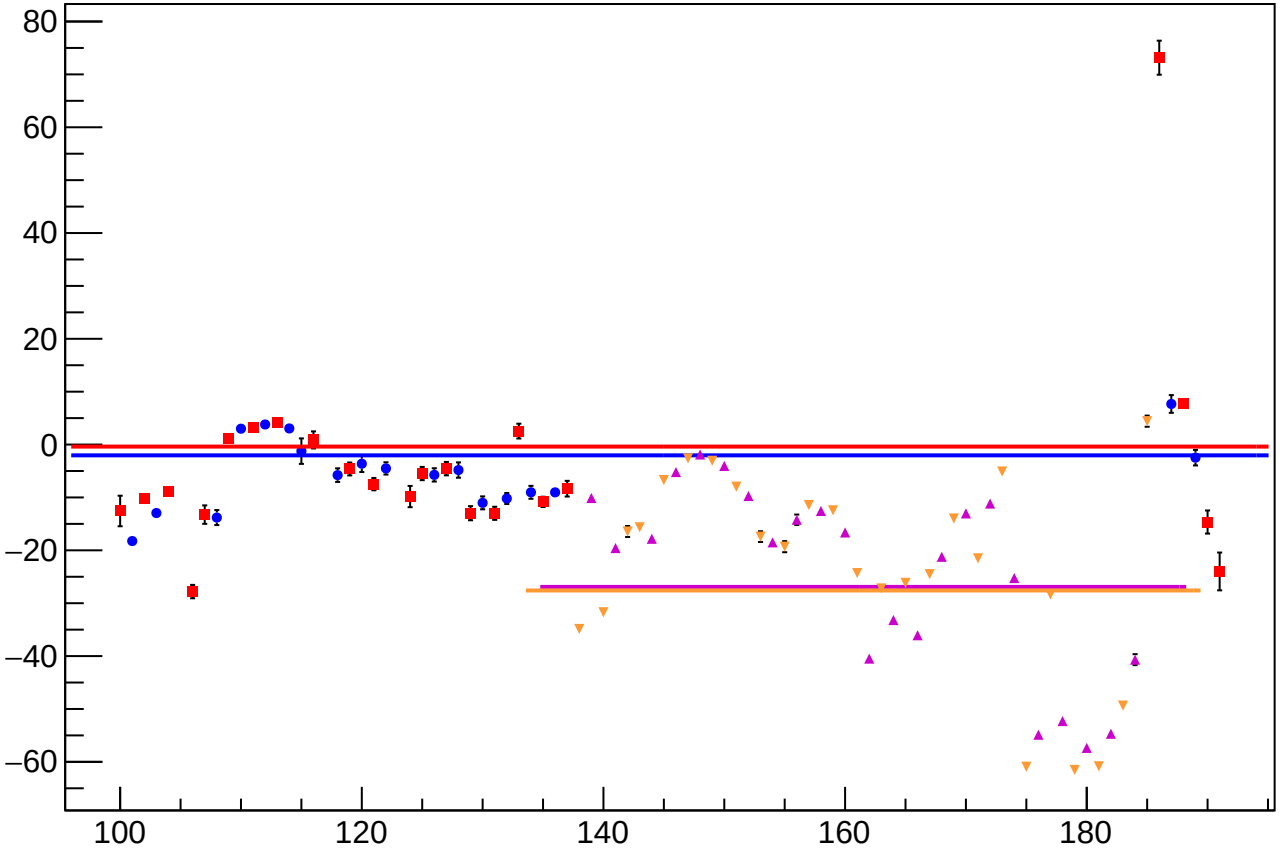
Left In: 0.398+/-0.004 χ^2/NDF:4271.0/22

+ sign 0.417+/-0.004 χ^2/NDF: 3994.2/42

All: 0.402+/-0.003 χ^2/NDF: 9838.2/88

- sign 0.387+/-0.004 χ^2/NDF: 5814.7/45

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: -0.384+/-0.165 χ^2/NDF: 2192.5/22

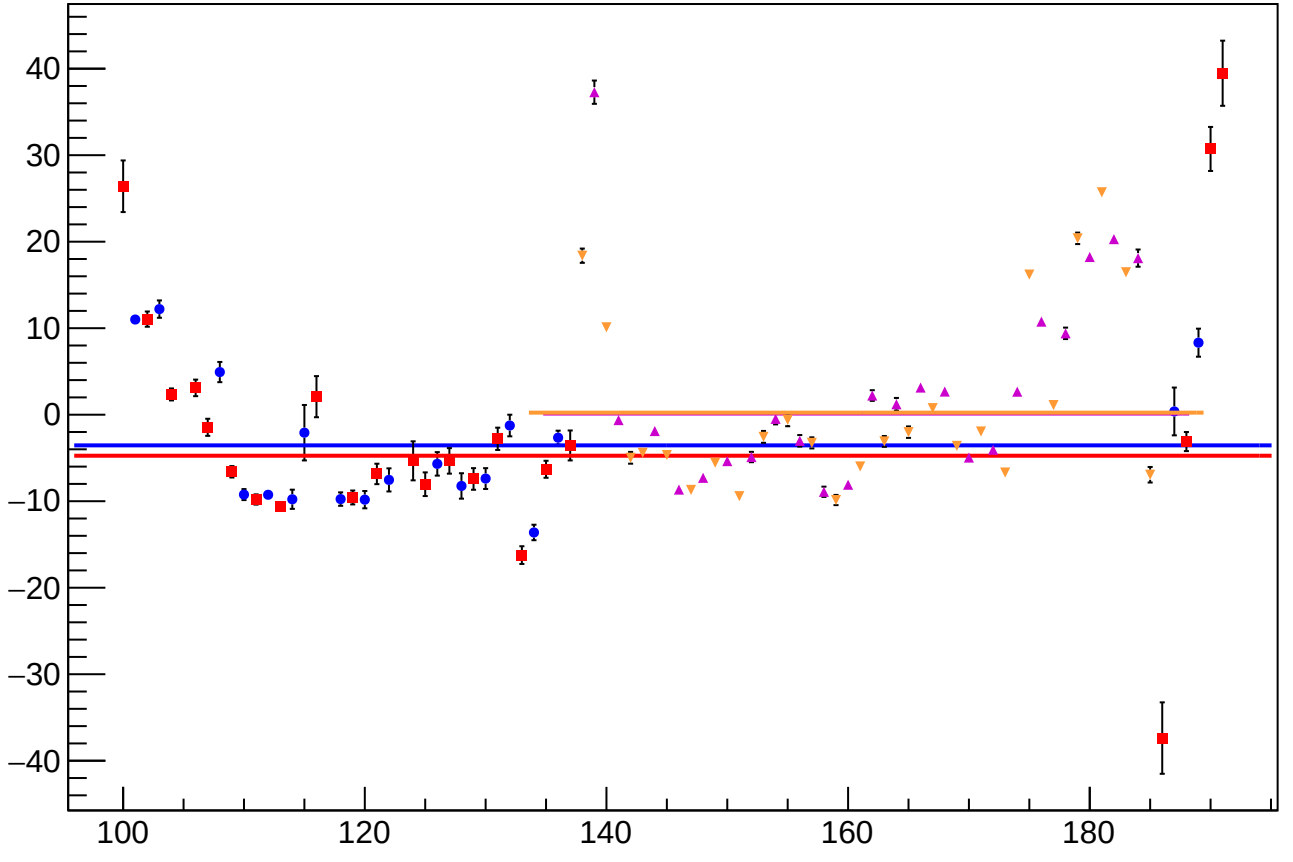
Left In: -26.918+/-0.149 χ^2/NDF:15536.6/22

+ sign -18.192+/-0.115 χ^2/NDF: 32823.0/42

All: -16.551+/-0.080 χ^2/NDF: 65127.0/88

- sign -15.021+/-0.111 χ^2/NDF: 31908.6/45

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

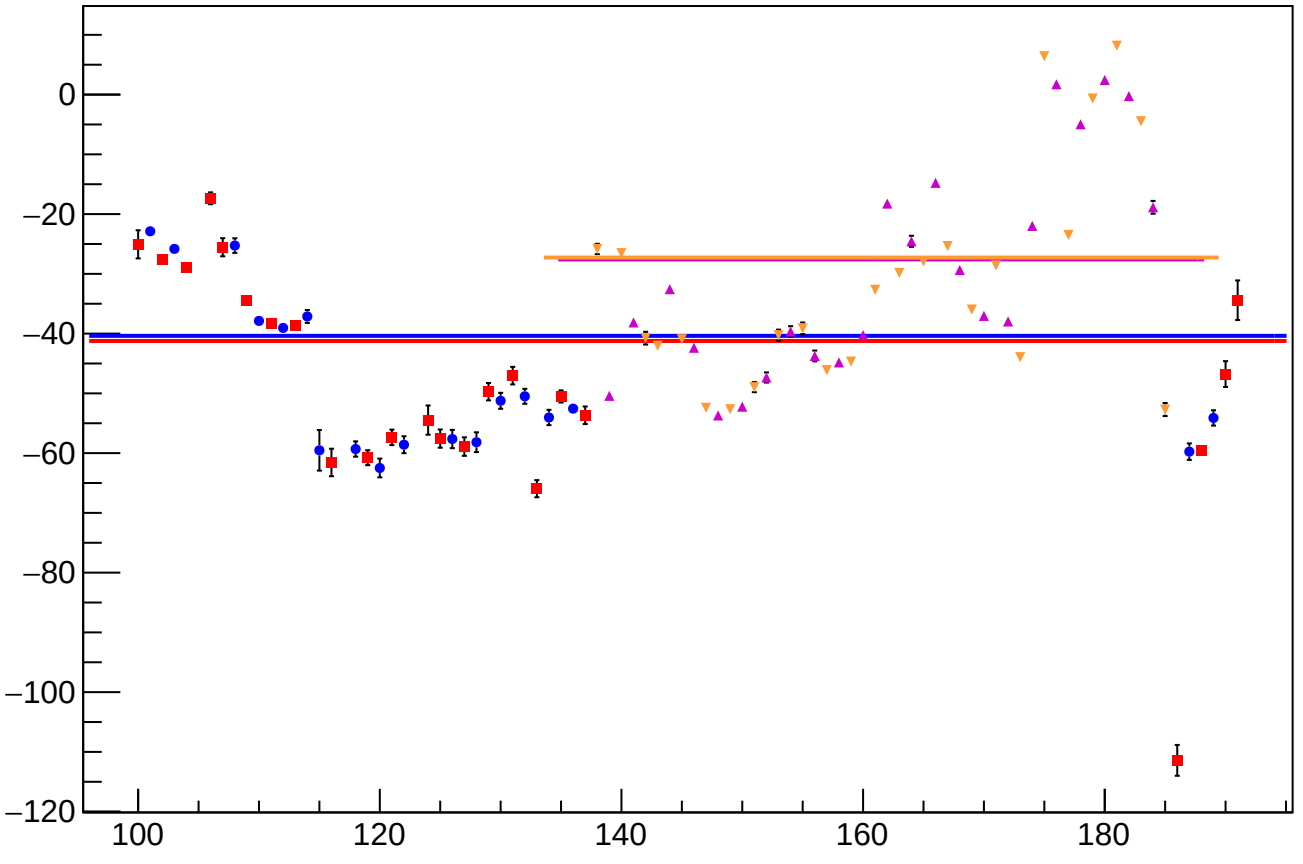
Right Out: -4.742+/-0.213 χ^2/NDF: 1380.4/22

Left In: 0.131+/-0.114 χ^2/NDF:5837.4/22

+ sign -0.506+/-0.099 χ^2/NDF: 9749.5/42

All: -0.728+/-0.071 χ^2/NDF: 17383.3/88

- sign -0.959+/-0.101 χ^2/NDF: 7623.5/45



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: -41.228+/-0.199 χ^2/NDF: 4541.5/22

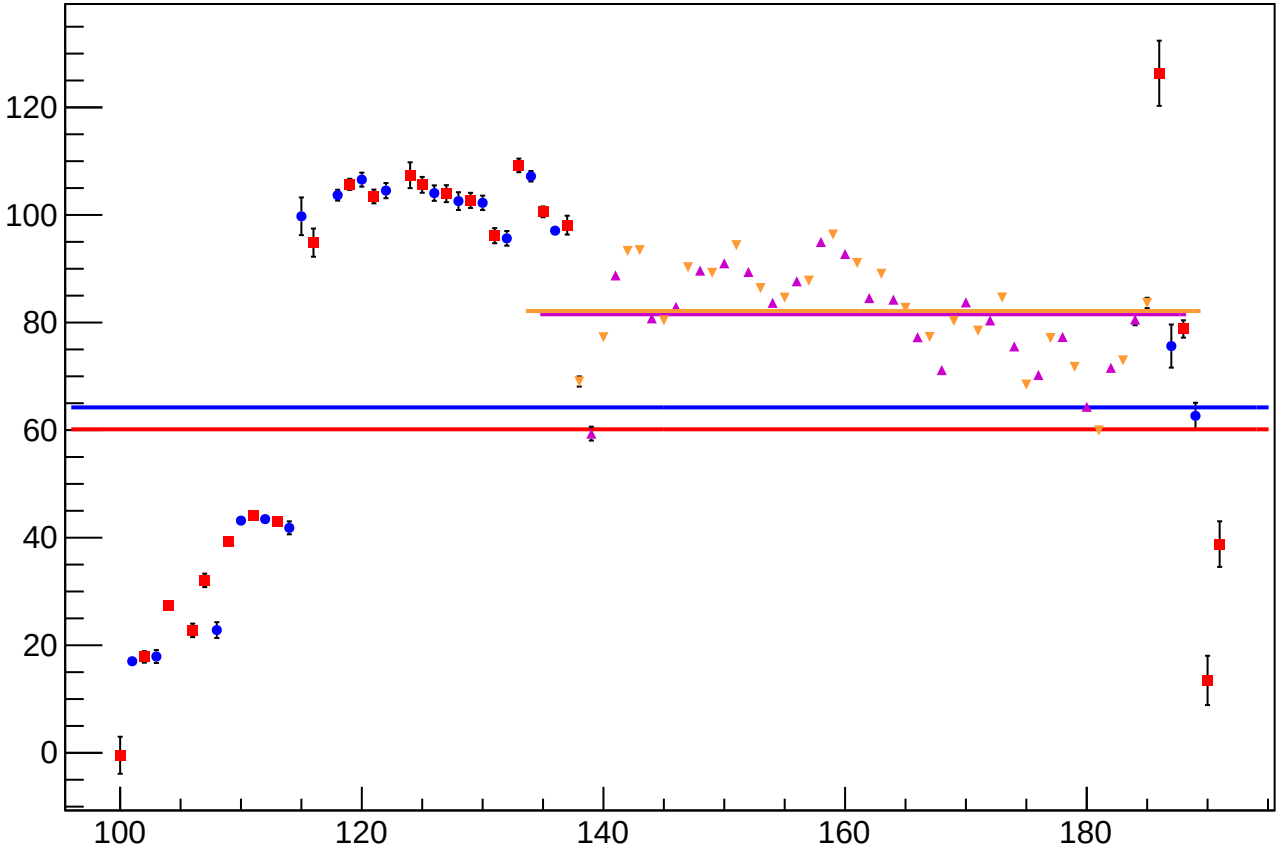
Left In: -27.583+/-0.148 χ^2/NDF:15648.7/22

+ sign -31.215+/-0.120 χ^2/NDF: 24309.6/42

All: -31.835+/-0.085 χ^2/NDF: 47570.2/88

- sign -32.441+/-0.119 χ^2/NDF: 23208.2/45

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: 60.149+/-0.245 χ^2/NDF: 17815.1/22

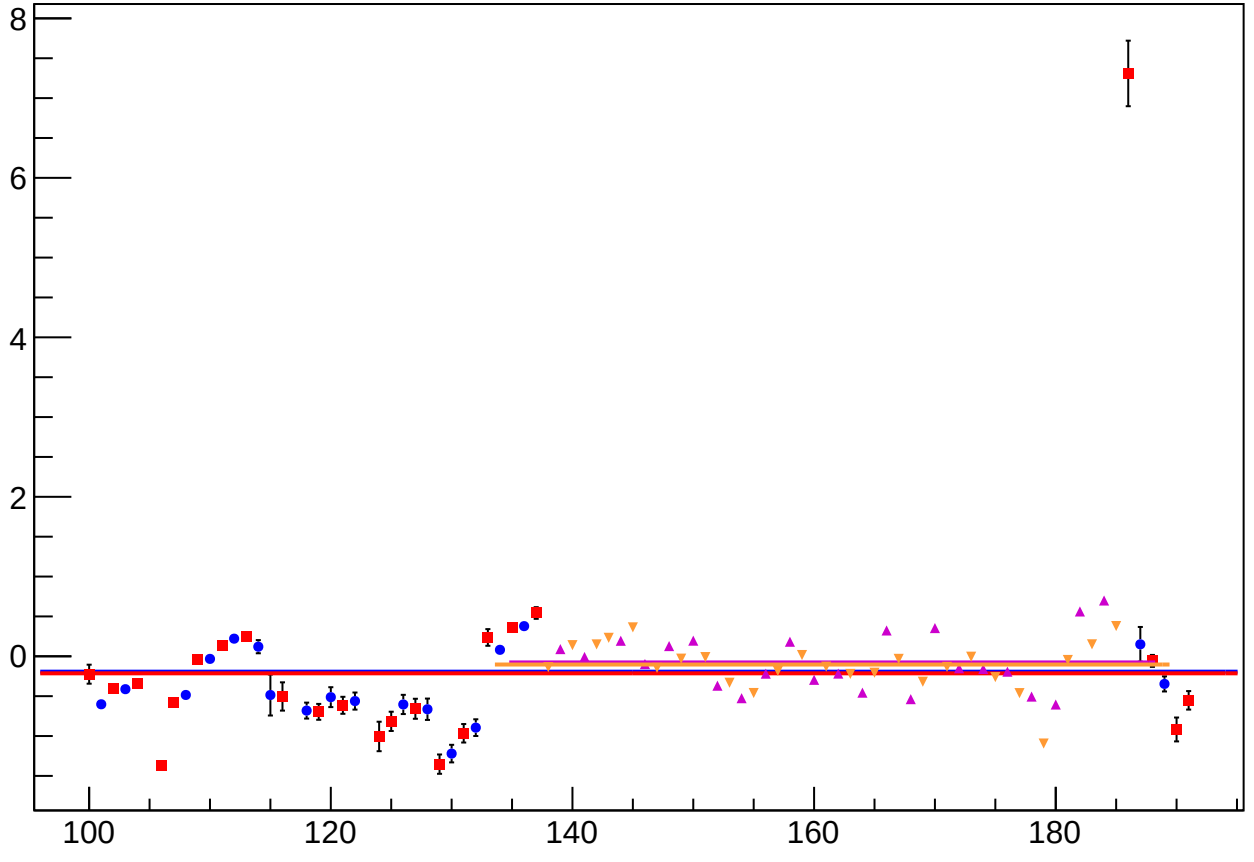
Left In: 81.539+/-0.129 χ^2/NDF:4043.0/22

+ sign 78.687+/-0.112 χ^2/NDF: 27946.8/42

All: 77.807+/-0.080 χ^2/NDF: 55904.2/88

- sign 76.895+/-0.114 χ^2/NDF: 27831.9/45

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: -0.214+/-0.013 χ^2/NDF: 1738.1/22

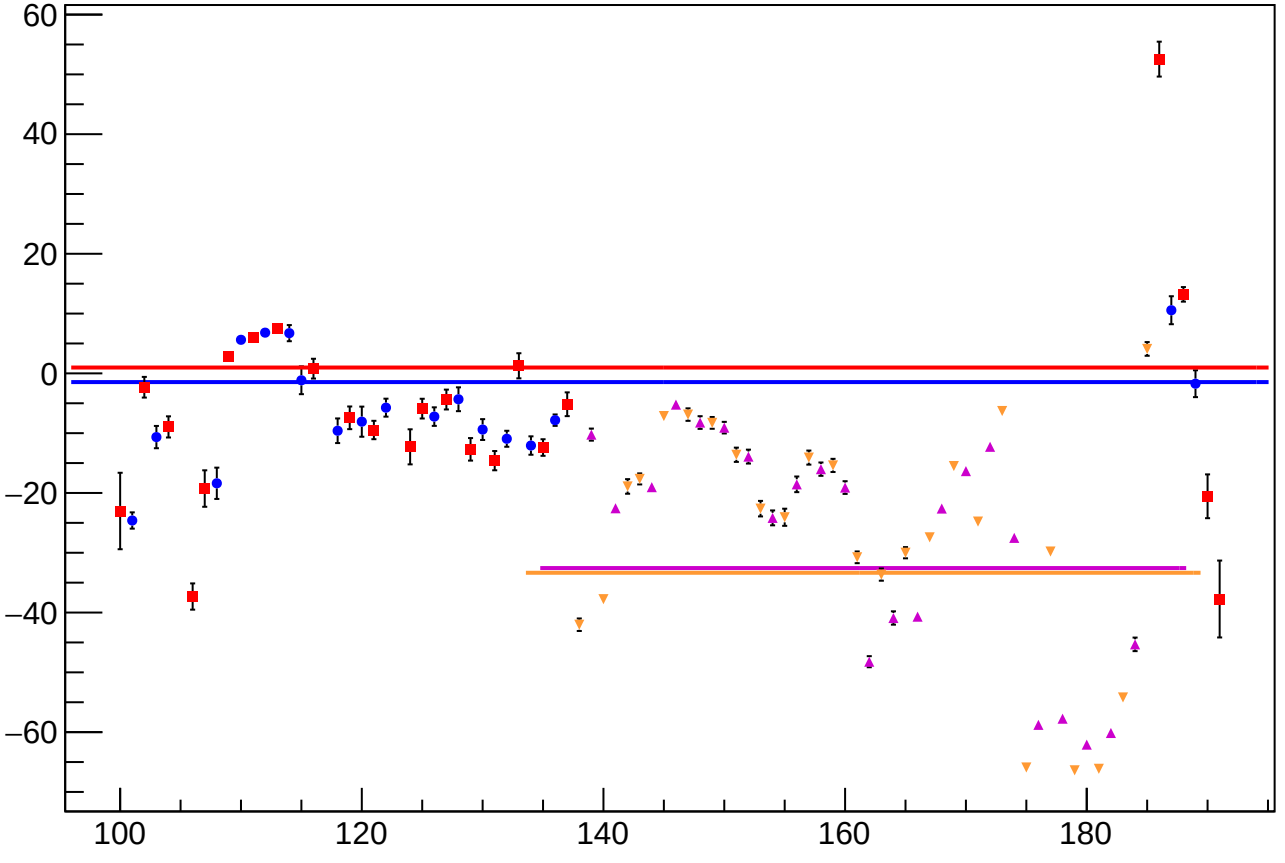
Left In: -0.077+/-0.006 χ^2/NDF:3320.8/22

+ sign -0.117+/-0.005 χ^2/NDF: 3370.3/42

All: -0.109+/-0.004 χ^2/NDF: 8531.4/88

- sign -0.100+/-0.005 χ^2/NDF: 5156.1/45

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: 0.977+/-0.272 χ^2/NDF: 1426.0/22

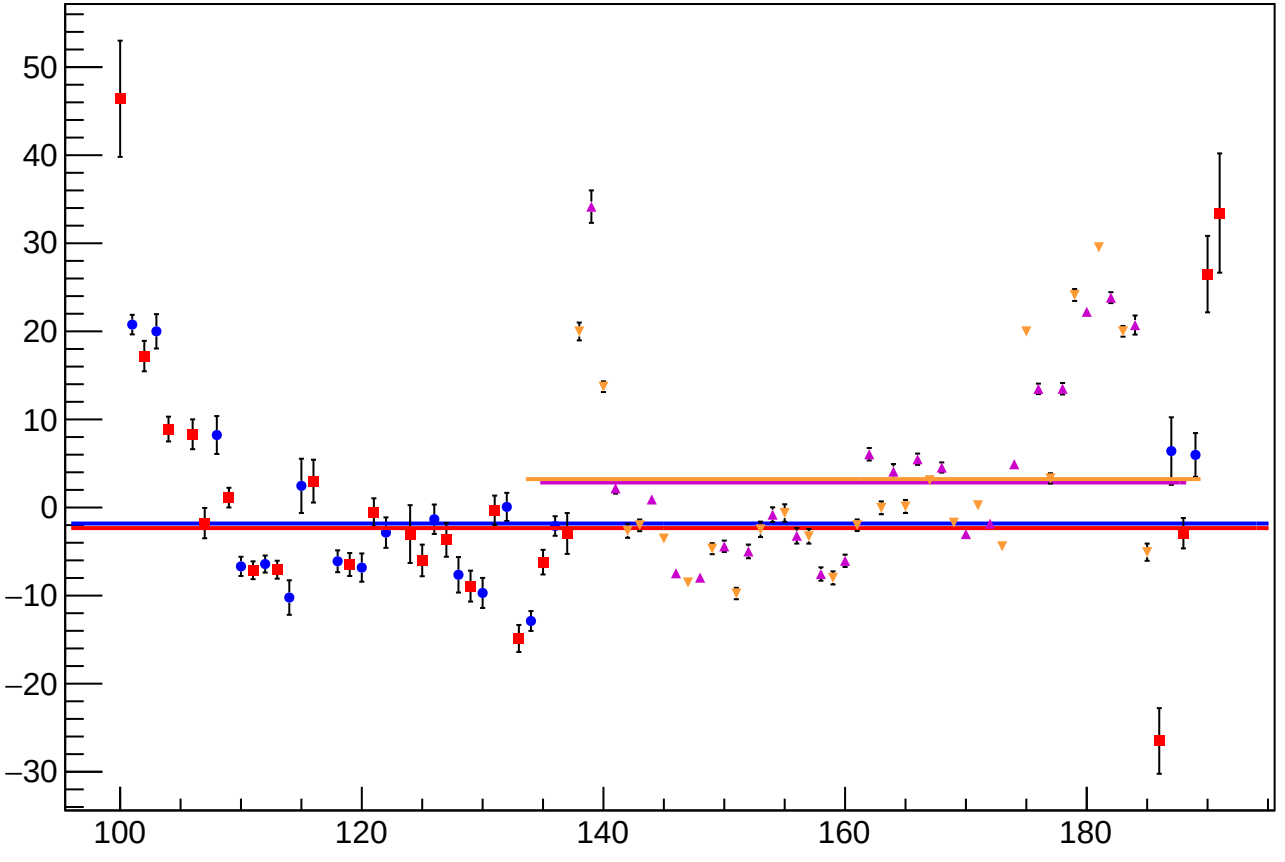
Left In: -32.559+/-0.169 χ^2/NDF:13896.0/22

+ sign -26.066+/-0.145 χ^2/NDF: 27484.0/42

All: -24.629+/-0.102 χ^2/NDF: 53929.3/88

- sign -23.206+/-0.144 χ^2/NDF: 26248.6/45

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

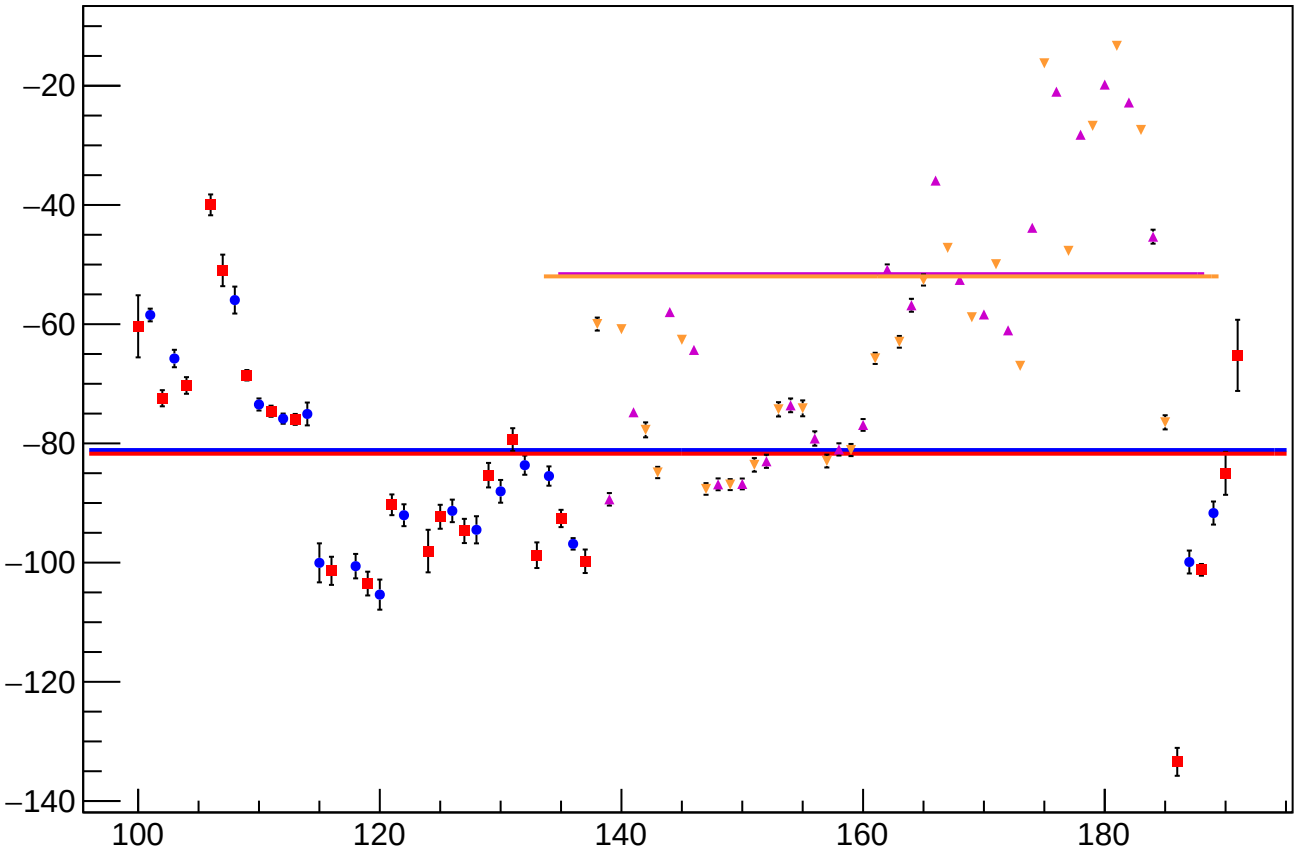
Right Out: -2.338+/-0.345 χ^2/NDF: 565.1/22

Left In: 2.845+/-0.131 χ^2/NDF:5455.5/22

+ sign 2.631+/-0.120 χ^2/NDF: 8644.5/42

All: 2.415+/-0.086 χ^2/NDF: 14869.0/88

- sign 2.190+/-0.123 χ^2/NDF: 6217.9/45



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: -81.729+/-0.328 χ^2/NDF: 2557.3/22

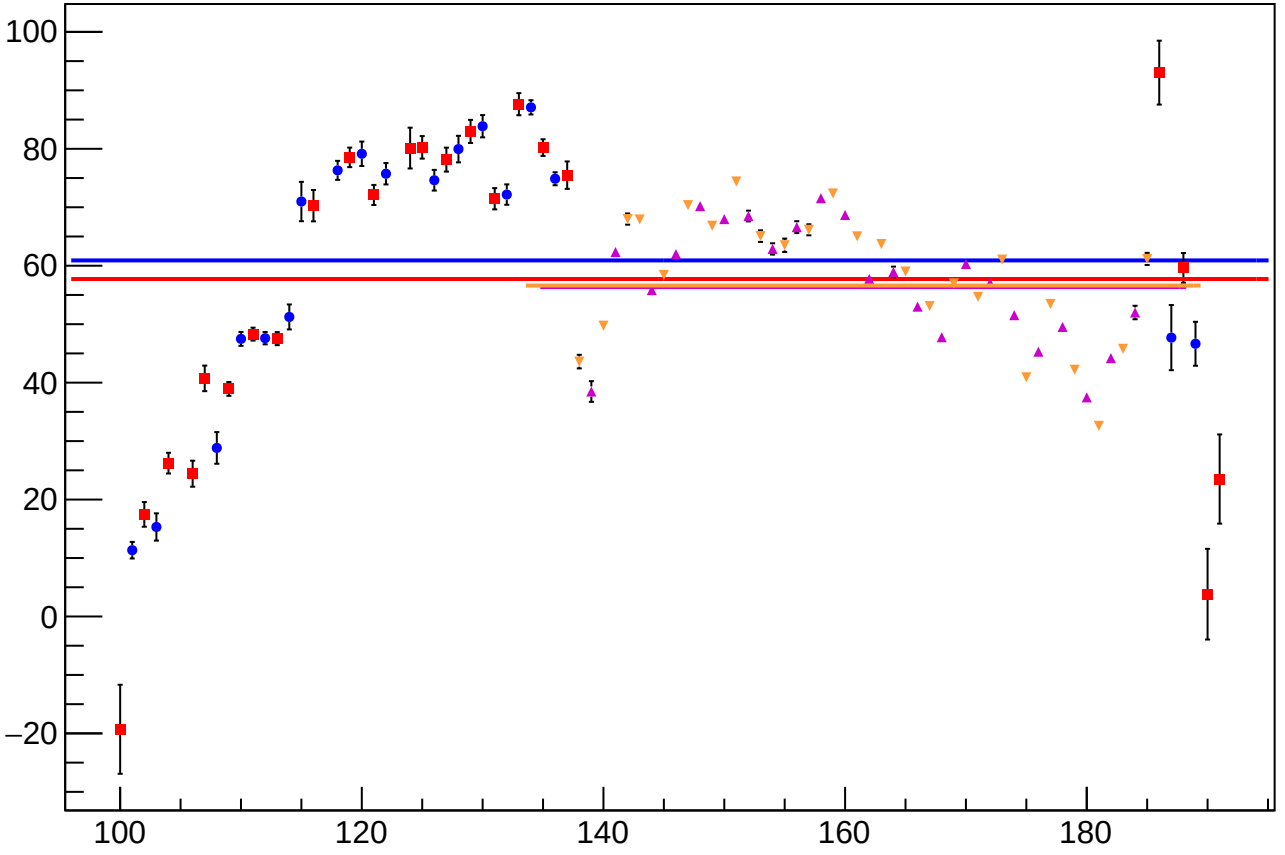
Left In: -51.612+/-0.169 χ^2/NDF:17624.2/22

+ sign -57.219+/-0.149 χ^2/NDF: 28025.9/42

All: -57.582+/-0.106 χ^2/NDF: 54896.6/88

- sign -57.949+/-0.150 χ^2/NDF: 26858.8/45

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: 57.726+/-0.393 χ^2/NDF: 2886.3/22

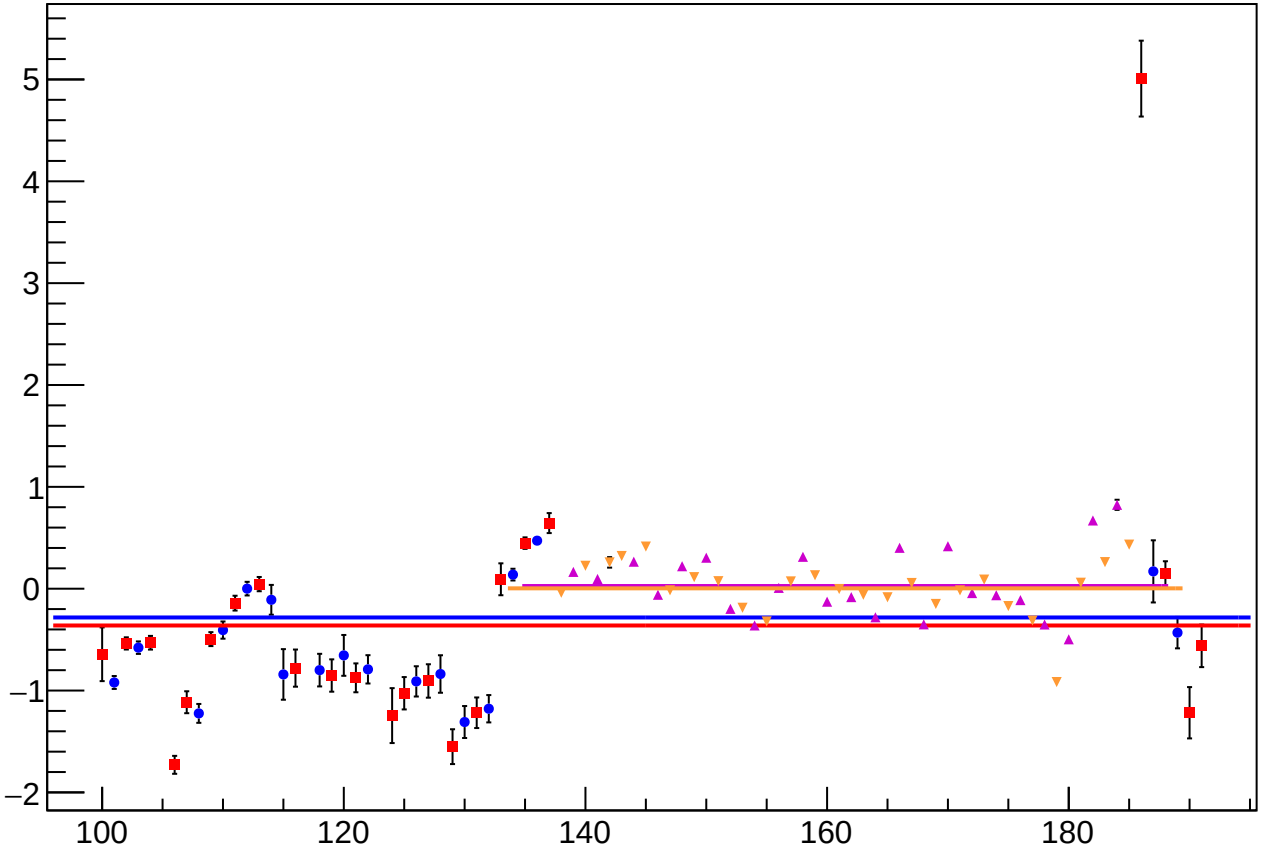
Left In: 56.348+/-0.147 χ^2/NDF:3968.7/22

+ sign 57.110+/-0.135 χ^2/NDF: 9019.2/42

All: 56.820+/-0.097 χ^2/NDF: 15894.3/88

- sign 56.518+/-0.138 χ^2/NDF: 6865.8/45

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: -0.361+/-0.021 χ^2/NDF: 1057.6/22

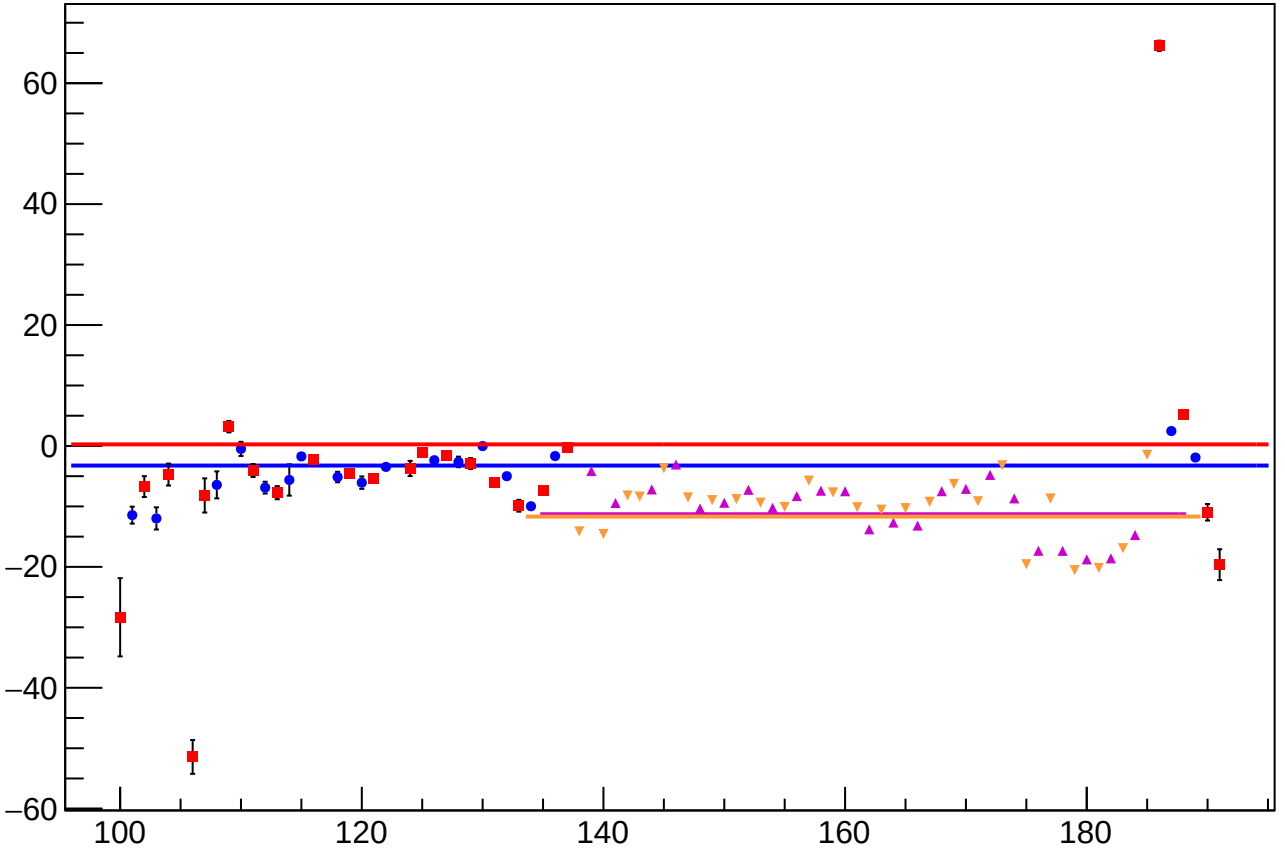
Left In: 0.026+/-0.007 χ^2/NDF:2349.0/22

+ sign -0.020+/-0.006 χ^2/NDF: 2596.5/42

All: -0.014+/-0.004 χ^2/NDF: 6306.3/88

- sign -0.007+/-0.006 χ^2/NDF: 3707.7/45

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: 0.259+/-0.175 χ^2/NDF: 7416.0/22

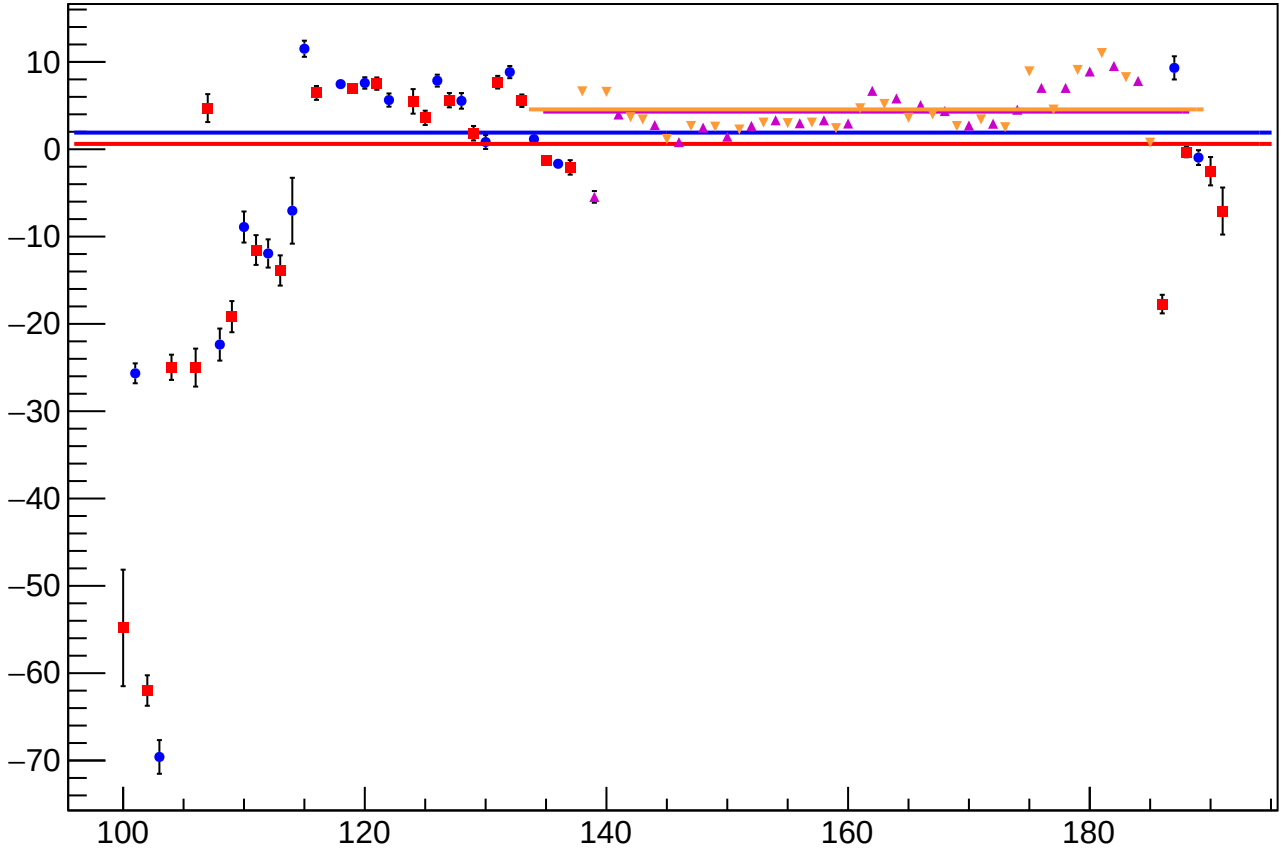
Left In: -11.301+/-0.054 χ^2/NDF:9229.2/22

+ sign -11.008+/-0.051 χ^2/NDF: 14938.5/42

All: -10.659+/-0.036 χ^2/NDF: 35676.9/88

- sign -10.294+/-0.052 χ^2/NDF: 20640.5/45

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: 0.612+/-0.192 χ^2/NDF: 2890.6/22

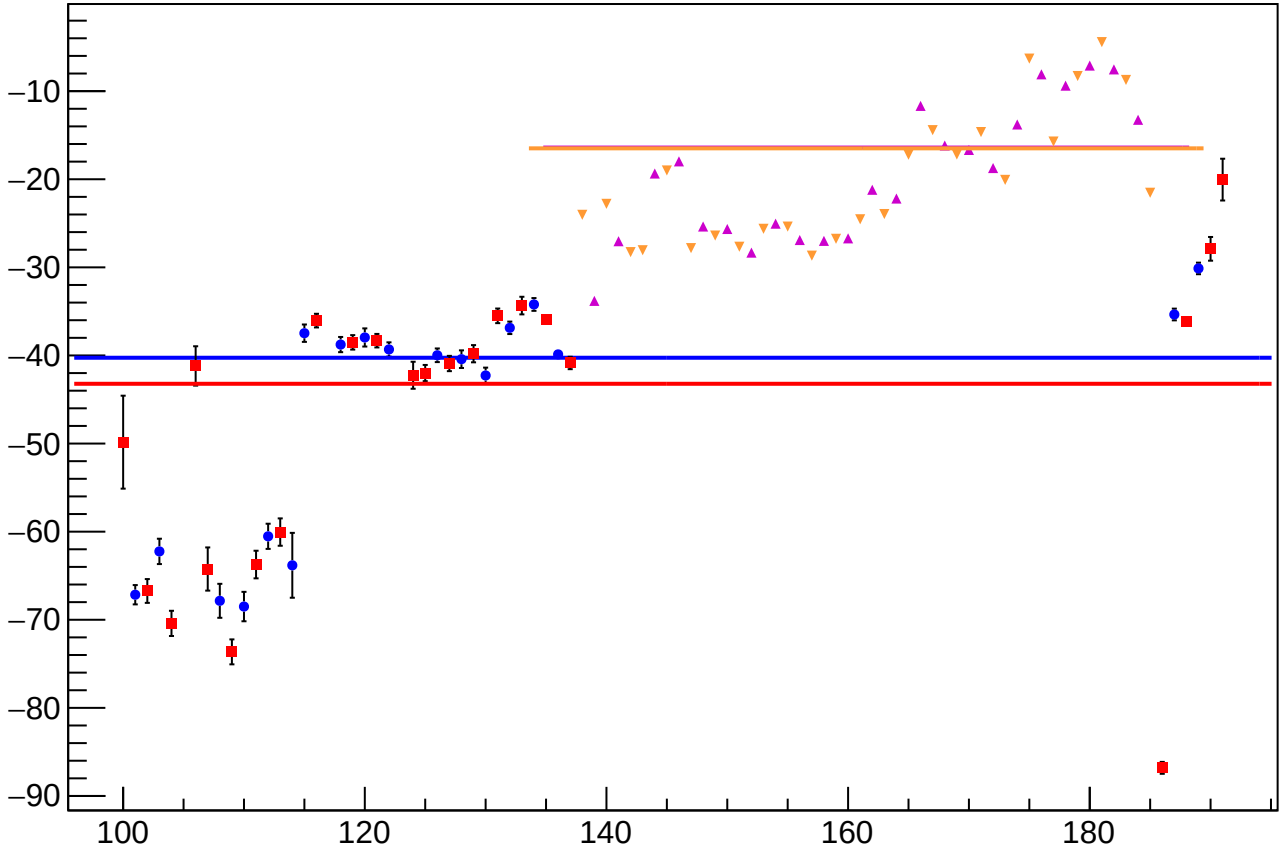
Left In: 4.308+/-0.042 χ^2/NDF:3609.0/22

+ sign 4.434+/-0.040 χ^2/NDF: 7438.0/42

All: 4.289+/-0.029 χ^2/NDF: 14319.1/88

- sign 4.138+/-0.041 χ^2/NDF: 6854.6/45

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: -43.215+/-0.181 χ^2/NDF: 6819.6/22

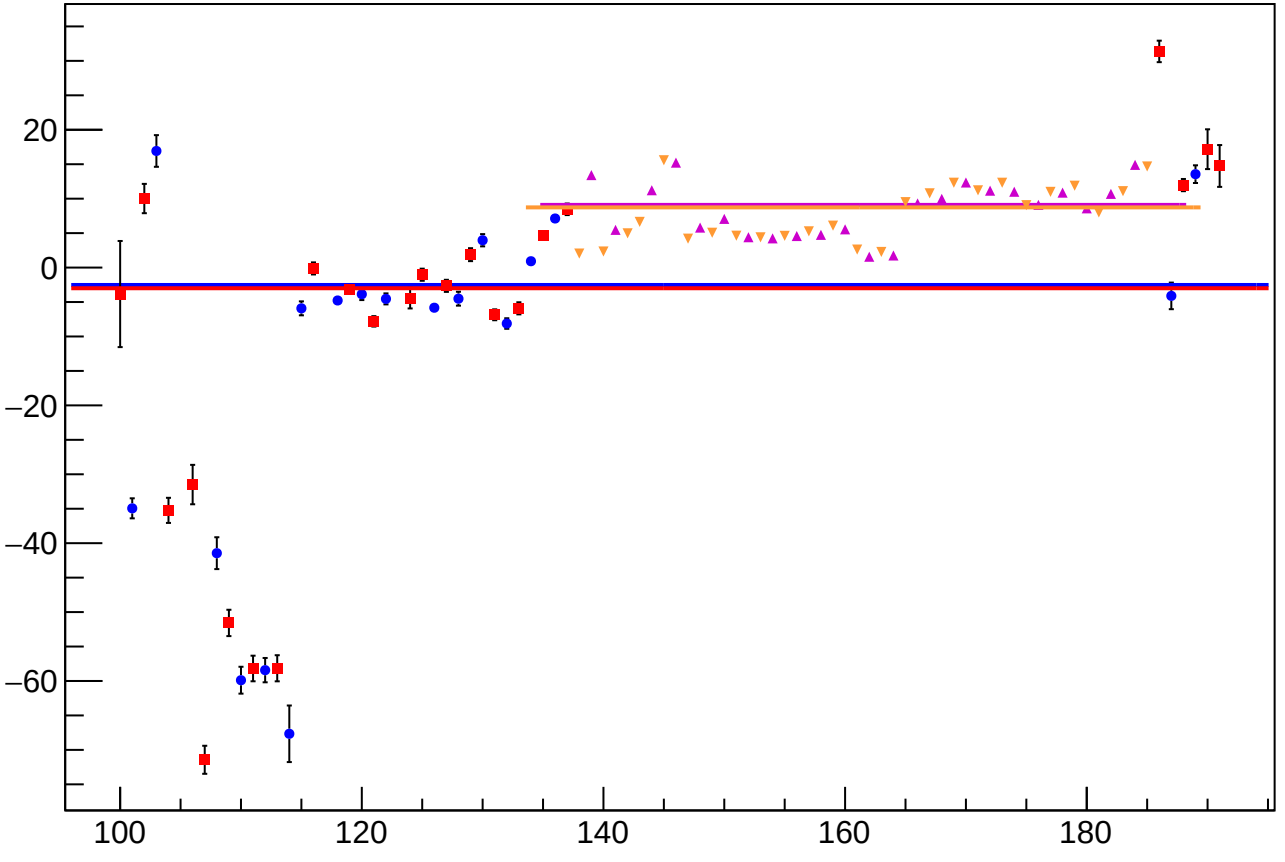
Left In: -16.403+/-0.054 χ^2/NDF:18032.3/22

+ sign -18.199+/-0.051 χ^2/NDF: 38523.0/42

All: -18.392+/-0.036 χ^2/NDF: 83595.7/88

- sign -18.592+/-0.052 χ^2/NDF: 45043.4/45

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: -3.000+/-0.221 χ^2/NDF: 5307.7/22

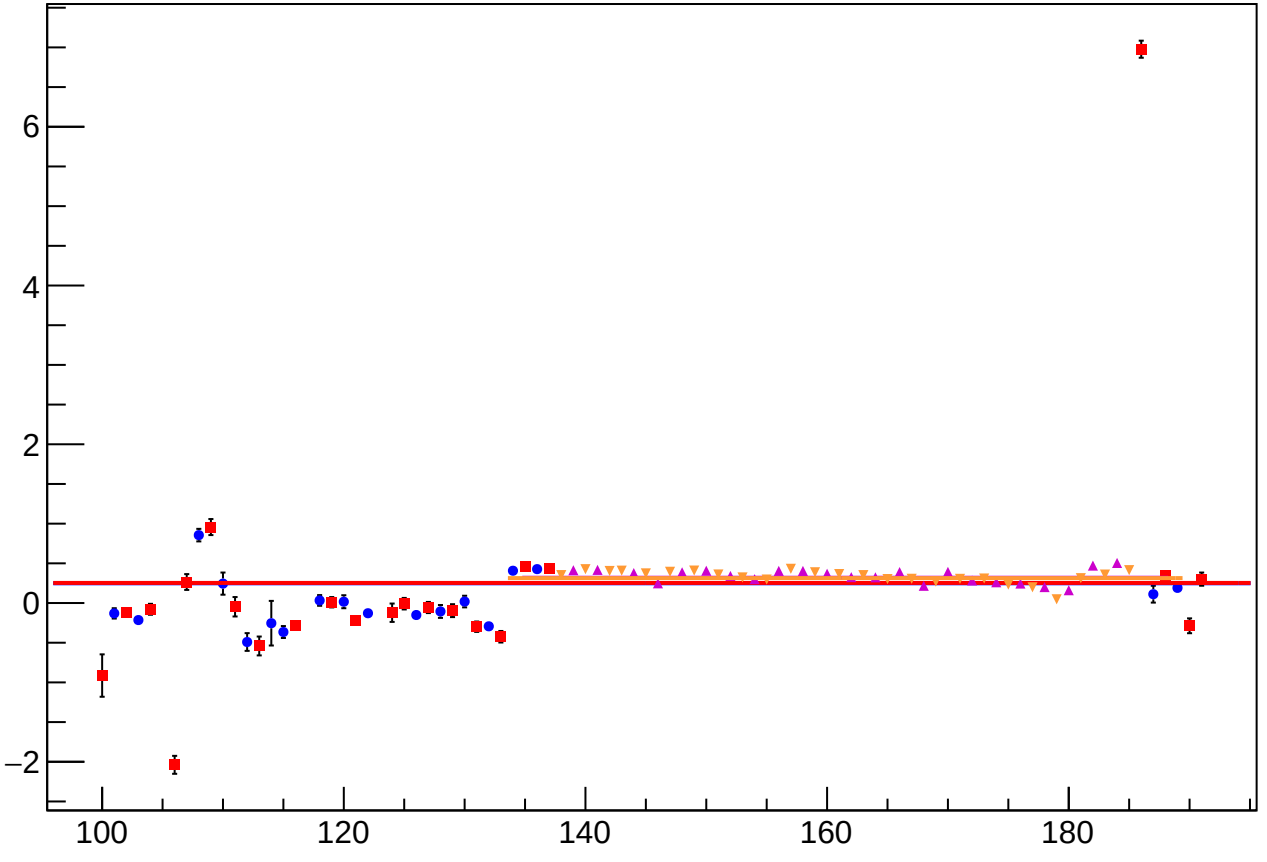
Left In: 9.096+/-0.047 χ^2/NDF:5739.5/22

+ sign 8.194+/-0.045 χ^2/NDF: 13614.4/42

All: 8.378+/-0.032 χ^2/NDF: 27567.9/88

- sign 8.570+/-0.046 χ^2/NDF: 13919.6/45

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: 0.253+/-0.012 χ^2/NDF: 5022.7/22

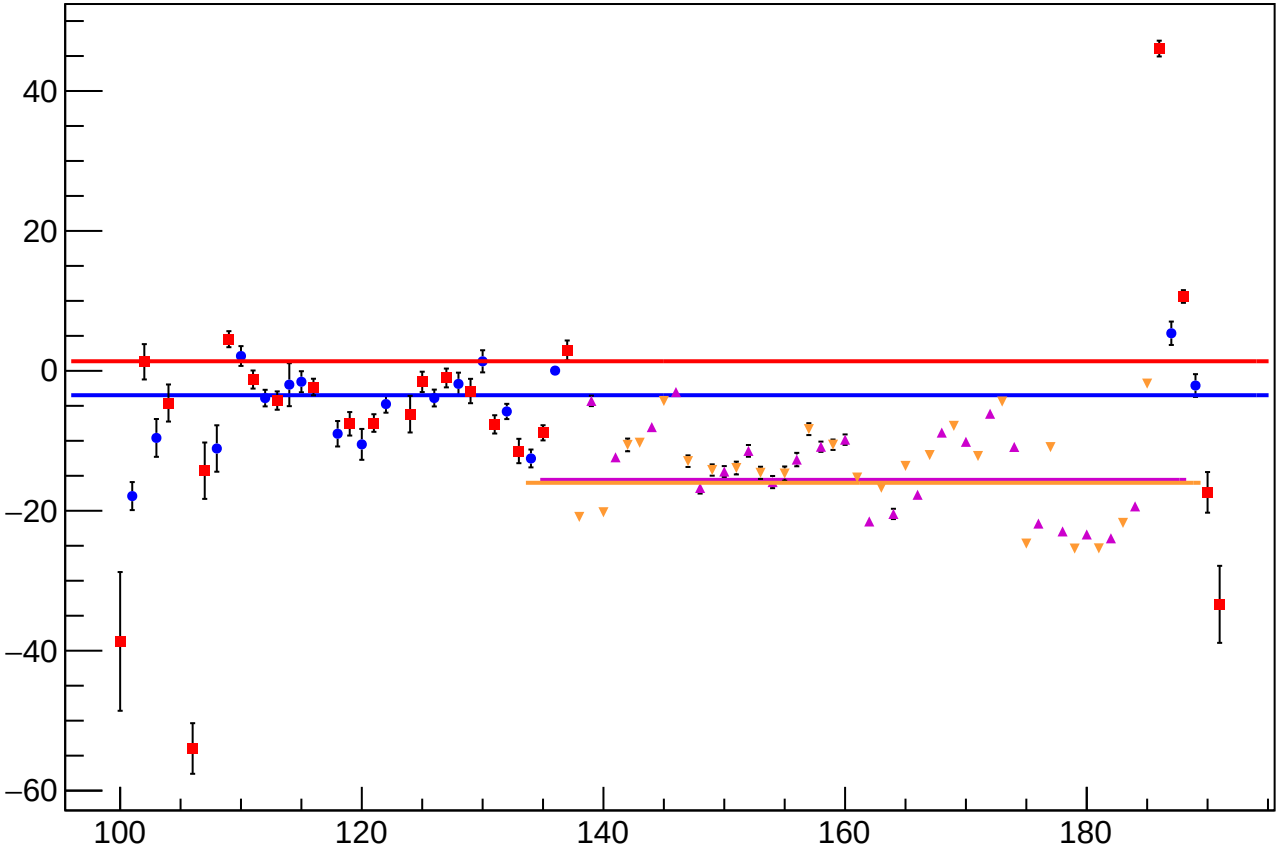
Left In: 0.319+/-0.002 χ^2/NDF:1787.8/22

+ sign 0.312+/-0.002 χ^2/NDF: 2269.2/42

All: 0.314+/-0.001 χ^2/NDF: 9109.8/88

- sign 0.317+/-0.002 χ^2/NDF: 6837.6/45

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: 1.372+/-0.316 χ^2/NDF: 2354.5/22

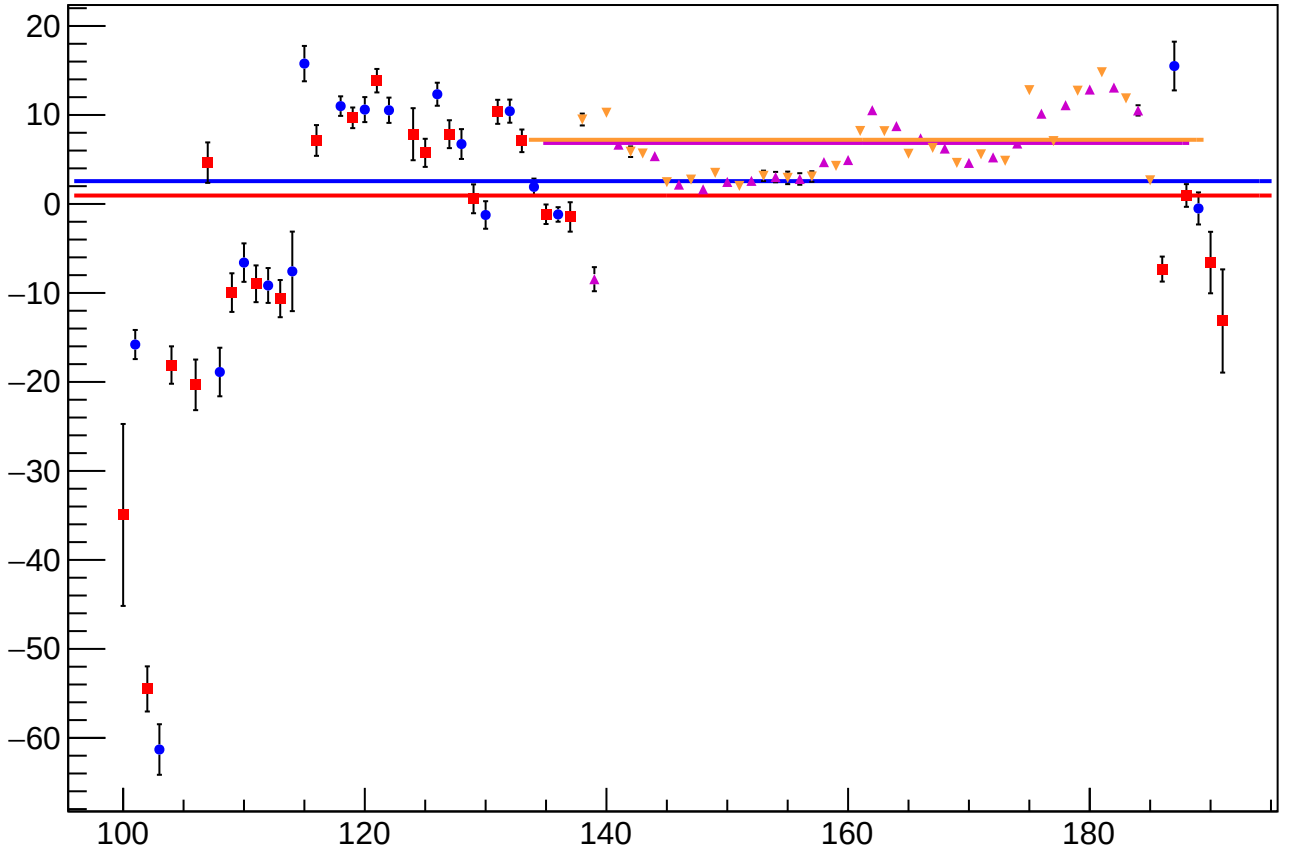
Left In: -15.582+/-0.102 χ^2/NDF:4759.9/22

+ sign -14.969+/-0.095 χ^2/NDF: 7488.6/42

All: -14.486+/-0.068 χ^2/NDF: 17259.9/88

- sign -13.984+/-0.097 χ^2/NDF: 9718.8/45

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: 0.947+/-0.355 χ^2/NDF: 1032.5/22

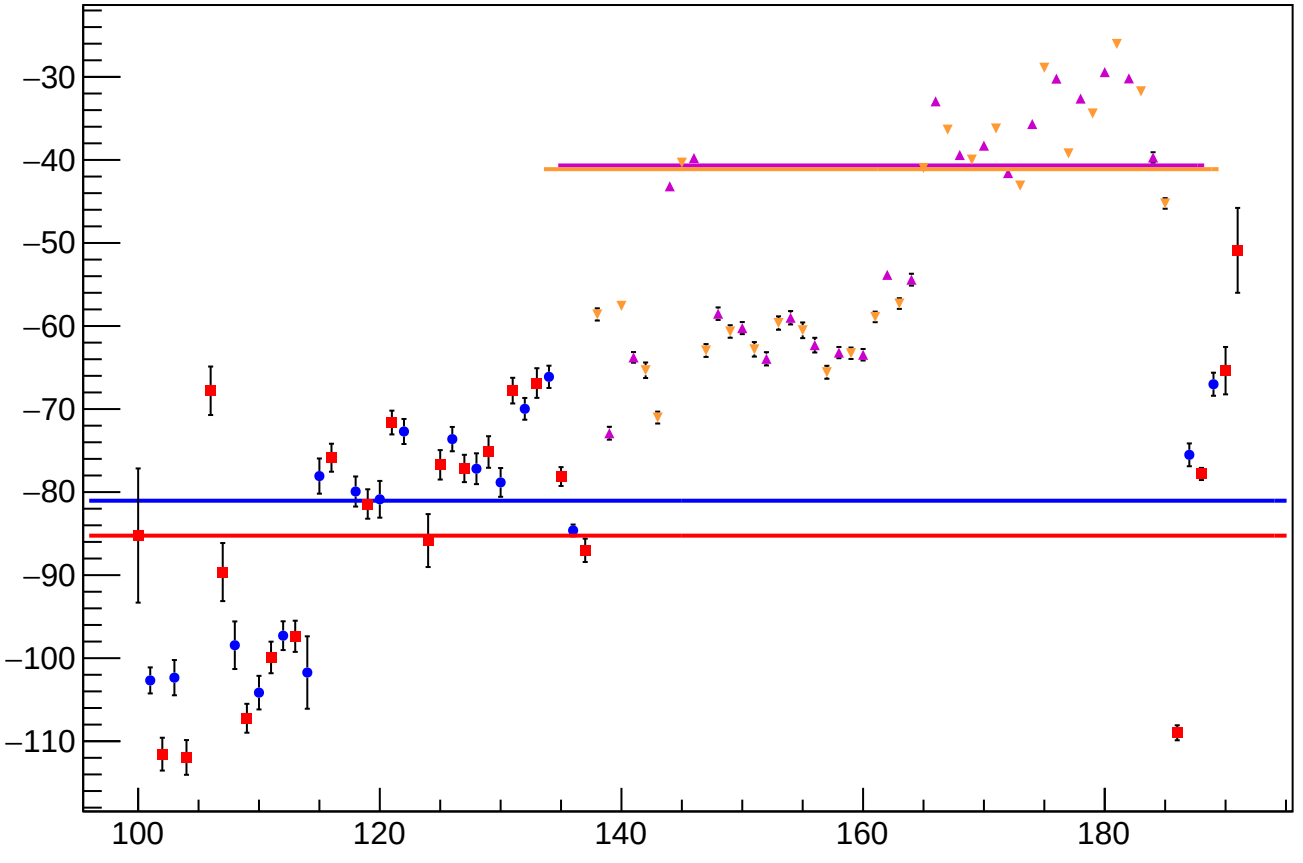
Left In: 6.856+/-0.081 χ^2/NDF:2156.4/22

+ sign 6.977+/-0.078 χ^2/NDF: 3698.1/42

All: 6.773+/-0.056 χ^2/NDF: 7164.5/88

- sign 6.563+/-0.079 χ^2/NDF: 3452.4/45

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: -85.244+/-0.332 χ^2/NDF: 2000.3/22

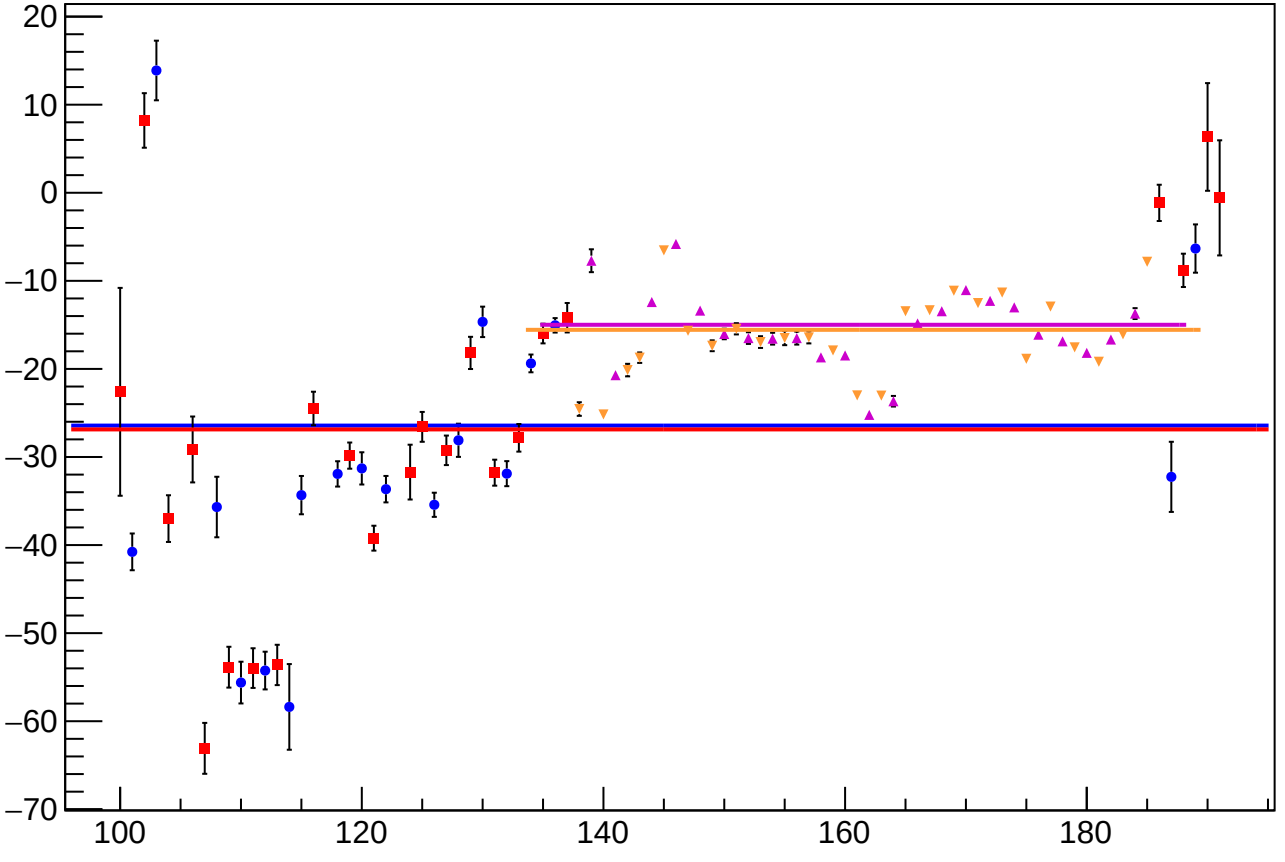
Left In: -40.665+/-0.102 χ^2/NDF:13541.3/22

+ sign -44.006+/-0.096 χ^2/NDF: 28531.6/42

All: -44.263+/-0.069 χ^2/NDF: 60565.0/88

- sign -44.527+/-0.098 χ^2/NDF: 32019.0/45

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: -26.870+/-0.410 χ^2/NDF: 1283.3/22

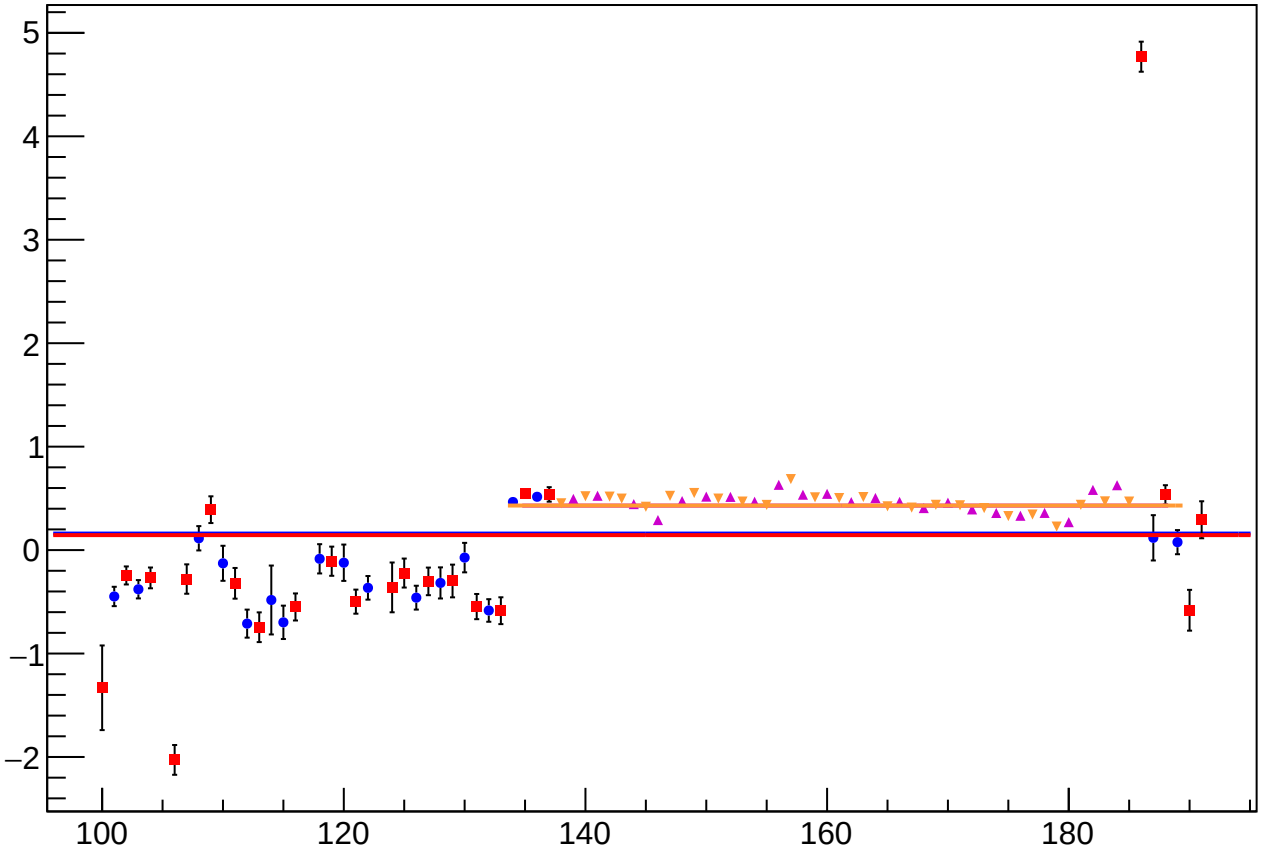
Left In: -14.990+/-0.090 χ^2/NDF:2150.9/22

+ sign -16.100+/-0.087 χ^2/NDF: 4309.8/42

All: -15.824+/-0.062 χ^2/NDF: 8565.0/88

- sign -15.539+/-0.088 χ^2/NDF: 4234.6/45

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: 0.145+/-0.023 χ^2/NDF: 1655.2/22

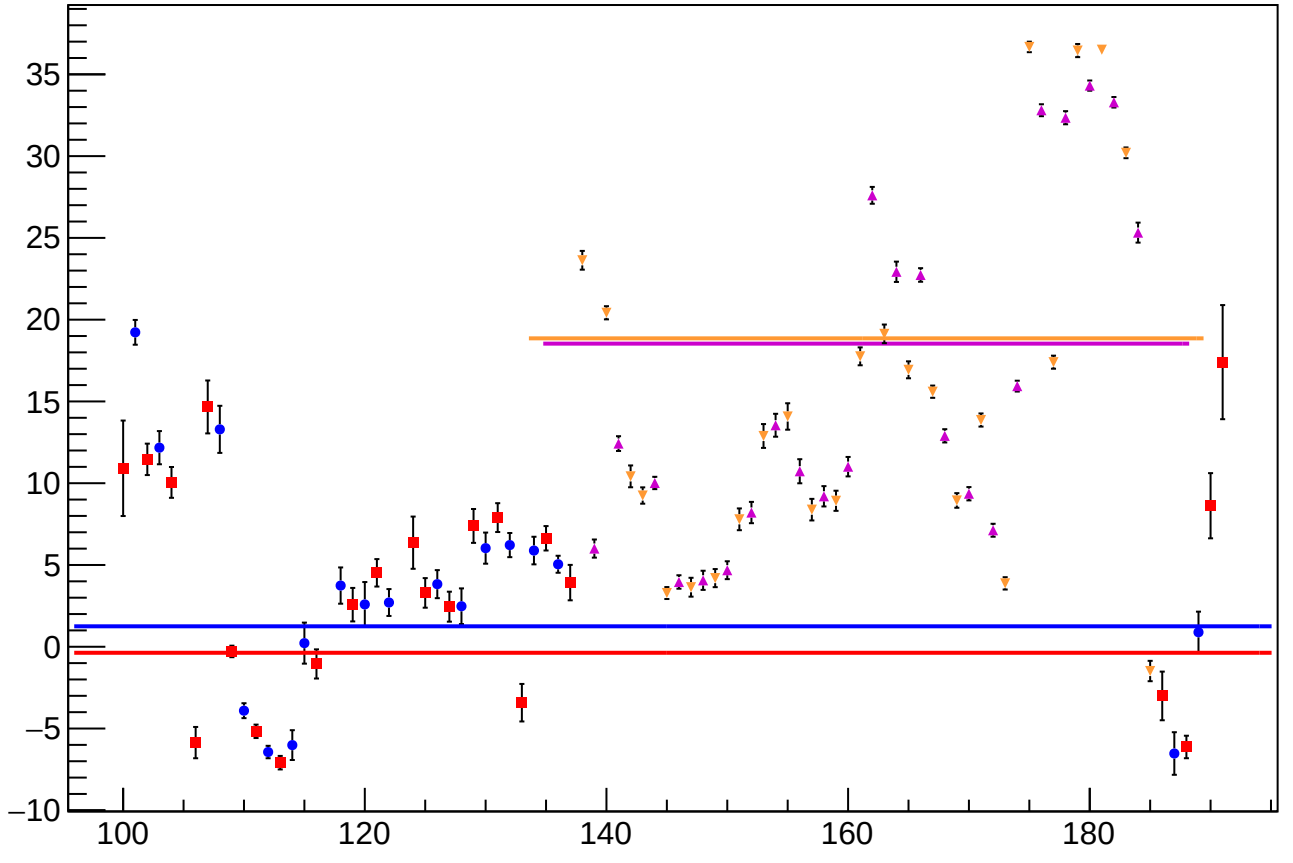
Left In: 0.430+/-0.004 χ^2/NDF:583.6/22

+ sign 0.421+/-0.004 χ^2/NDF: 1003.0/42

All: 0.421+/-0.003 χ^2/NDF: 3391.6/88

- sign 0.421+/-0.004 χ^2/NDF: 2388.6/45

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

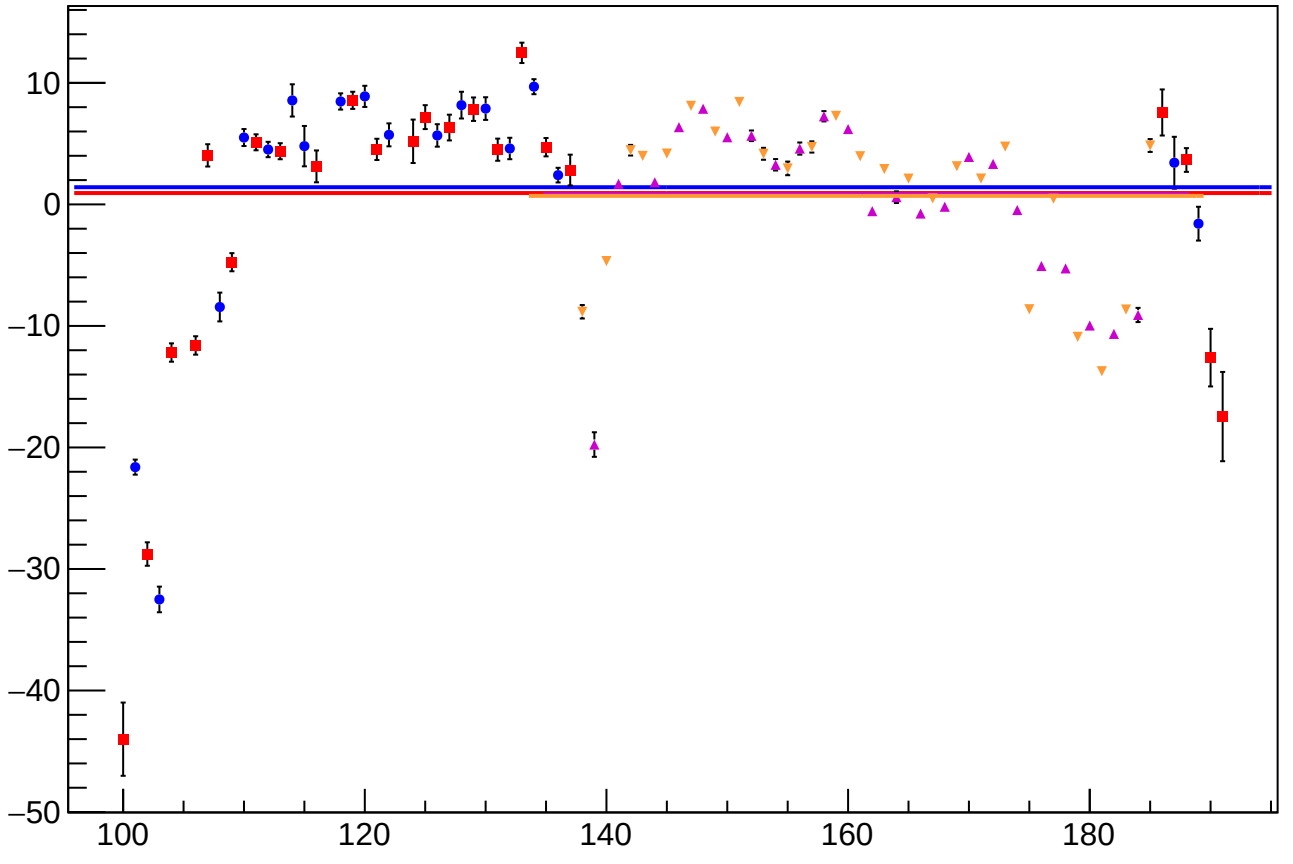
Right Out: -0.368+/-0.161 χ^2/NDF: 1269.3/22

Left In: 18.535+/-0.093 χ^2/NDF:14066.0/22

+ sign 15.294+/-0.081 χ^2/NDF: 27610.1/42

All: 14.540+/-0.057 χ^2/NDF: 53443.9/88

- sign 13.788+/-0.081 χ^2/NDF: 25659.7/45



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: 0.934+/-0.196 χ^2/NDF: 2454.9/22

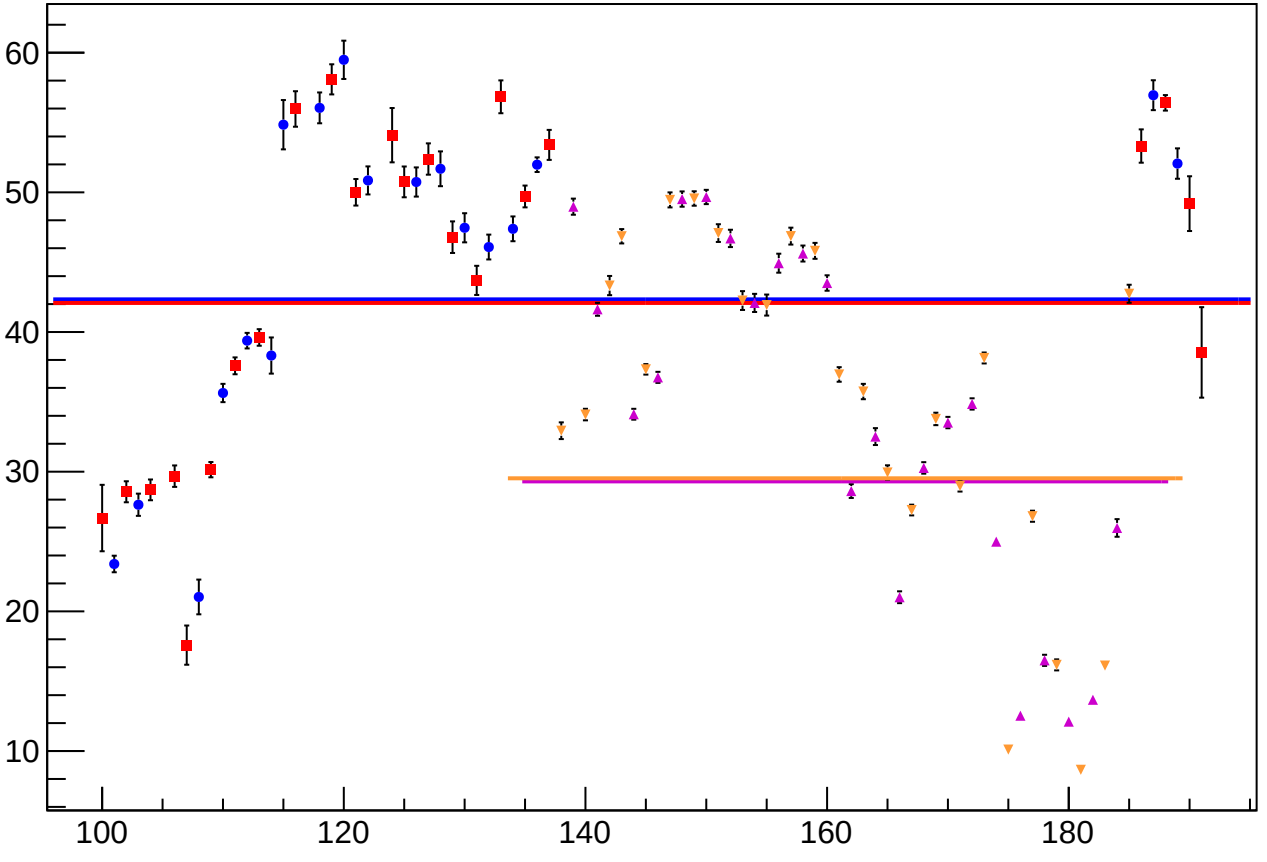
Left In: 0.847+/-0.072 χ^2/NDF:6045.4/22

+ sign 0.781+/-0.067 χ^2/NDF: 11334.9/42

All: 0.818+/-0.048 χ^2/NDF: 19835.9/88

- sign 0.857+/-0.068 χ^2/NDF: 8500.4/45

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: 42.082+/-0.187 χ^2/NDF: 3550.1/22

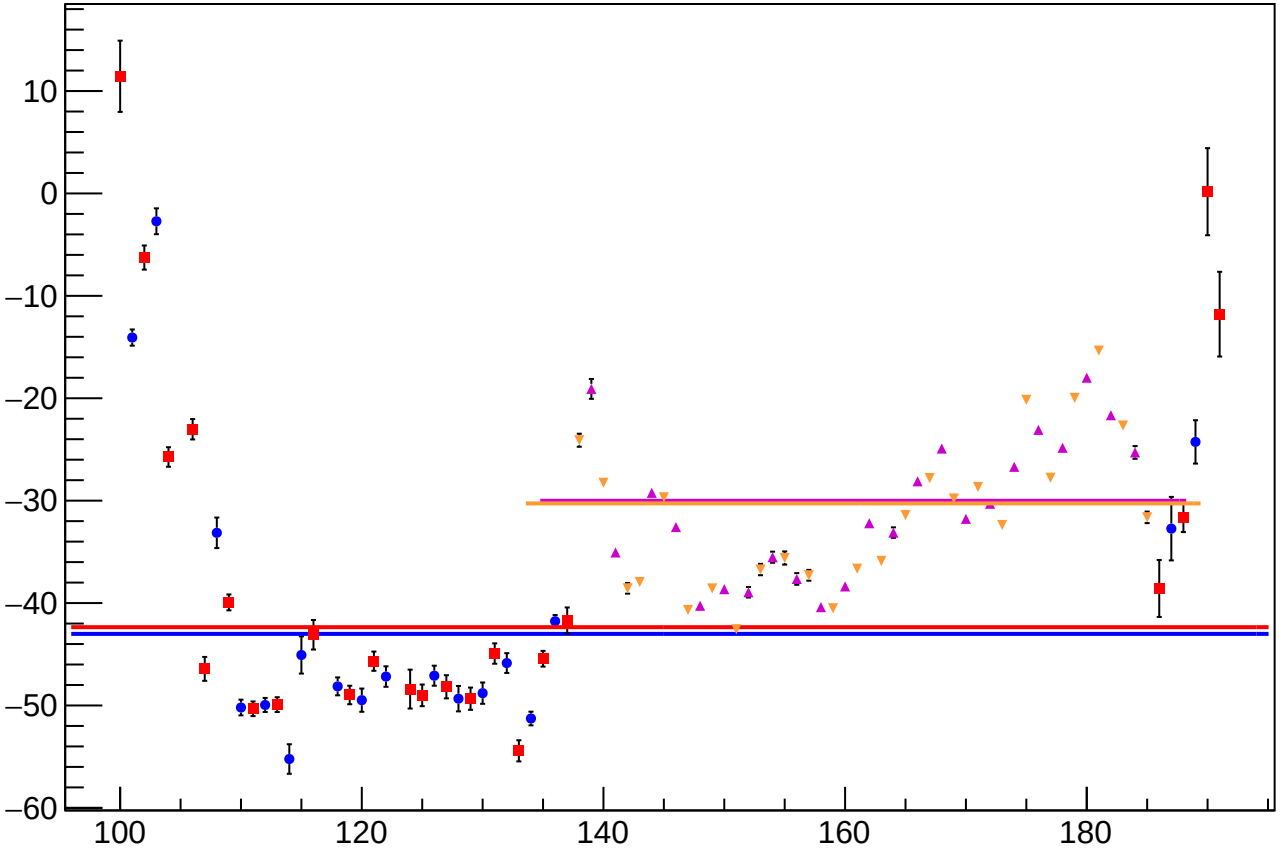
Left In: 29.306+/-0.093 χ^2/NDF:17870.3/22

+ sign 31.653+/-0.083 χ^2/NDF: 27435.7/42

All: 31.747+/-0.059 χ^2/NDF: 52599.3/88

- sign 31.843+/-0.083 χ^2/NDF: 25160.9/45

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: -42.354+/-0.225 χ^2/NDF: 2671.0/22

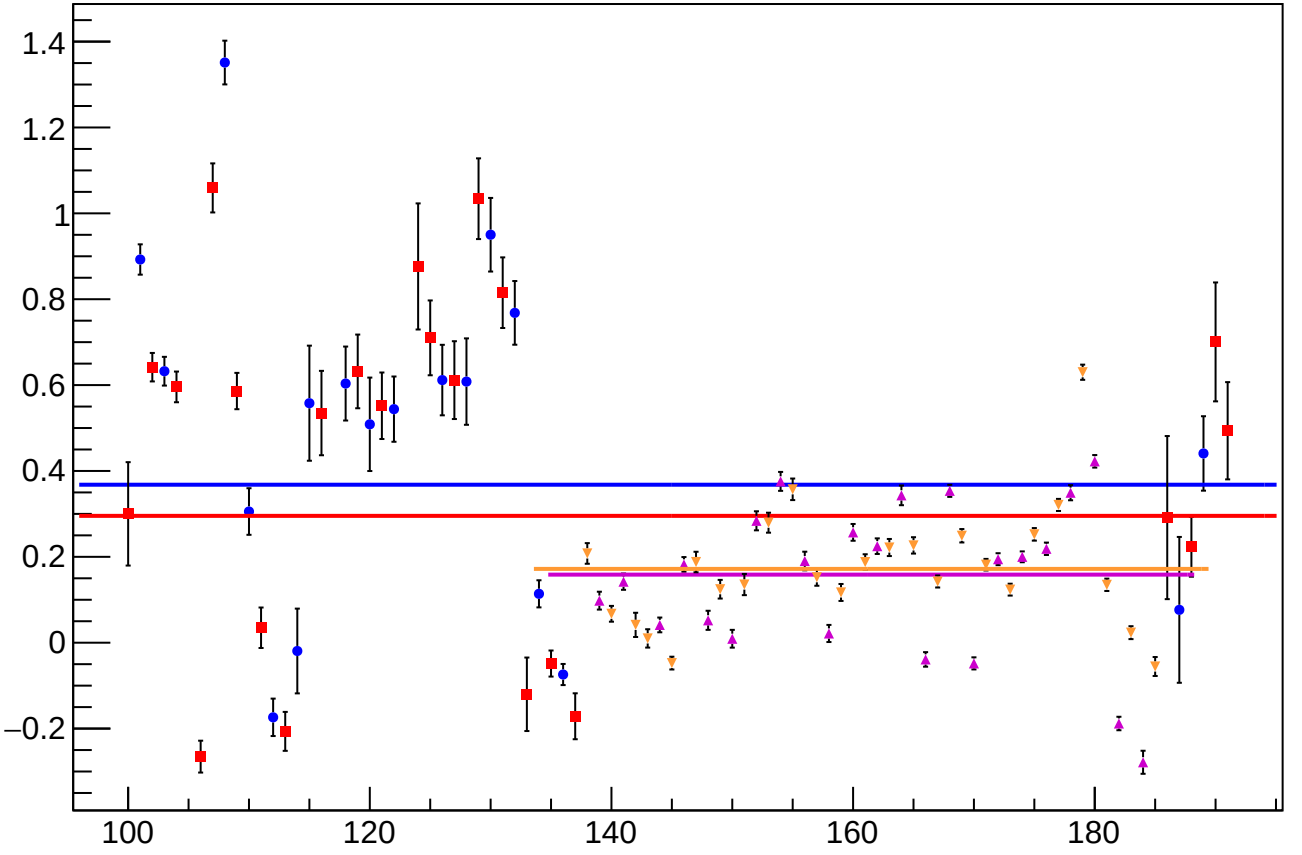
Left In: -30.012+/-0.081 χ^2/NDF:6083.1/22

\+ sign -31.648+/-0.075 χ^2/NDF: 14375.8/42

All: -31.546+/-0.053 χ^2/NDF: 25799.2/88

\- sign -31.440+/-0.076 χ^2/NDF: 11419.7/45

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: 0.295+/-0.012 χ^2/NDF: 1212.0/22

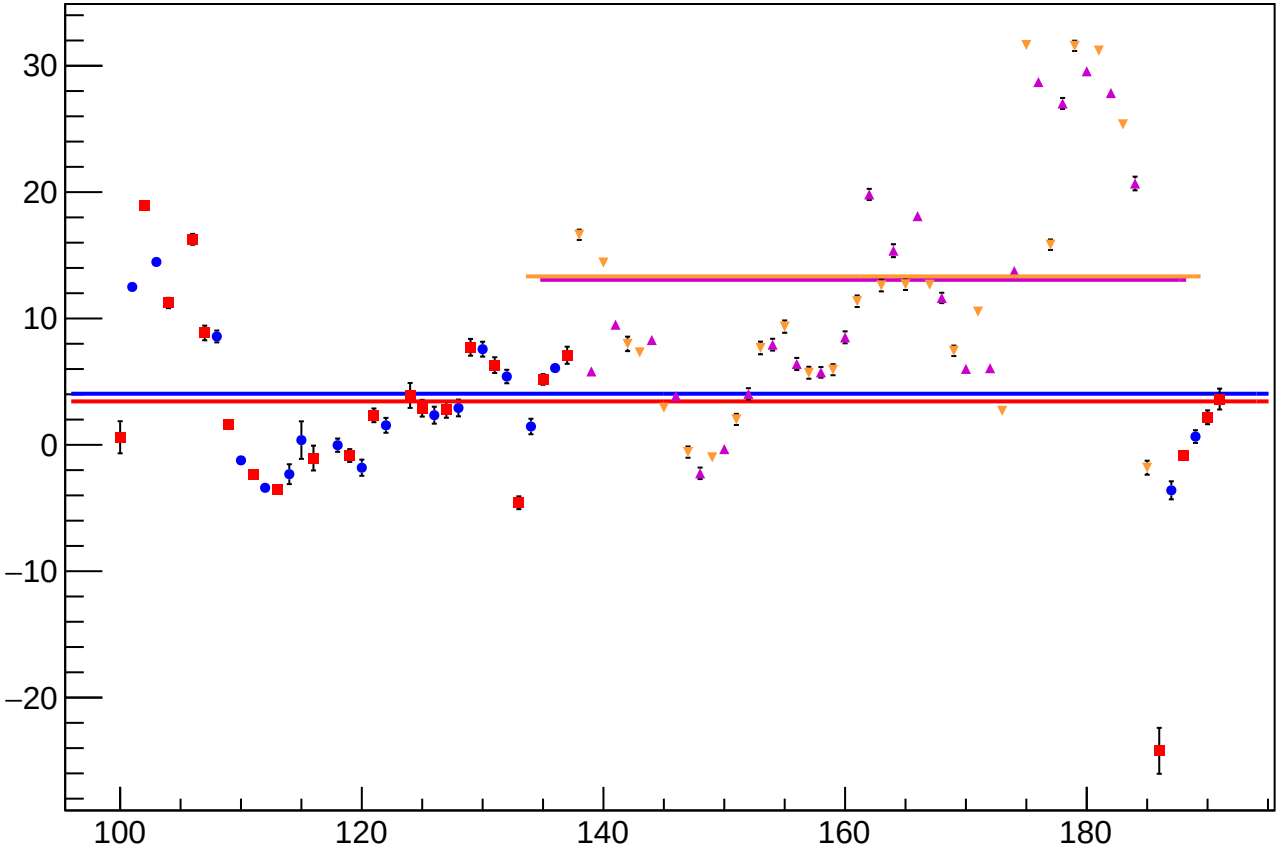
Left In: 0.159+/-0.004 χ^2/NDF:2187.4/22

+ sign 0.188+/-0.003 χ^2/NDF: 3069.4/42

All: 0.179+/-0.002 χ^2/NDF: 6604.2/88

- sign 0.170+/-0.003 χ^2/NDF: 3522.4/45

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: 3.440+/-0.098 χ^2/NDF: 4787.2/22

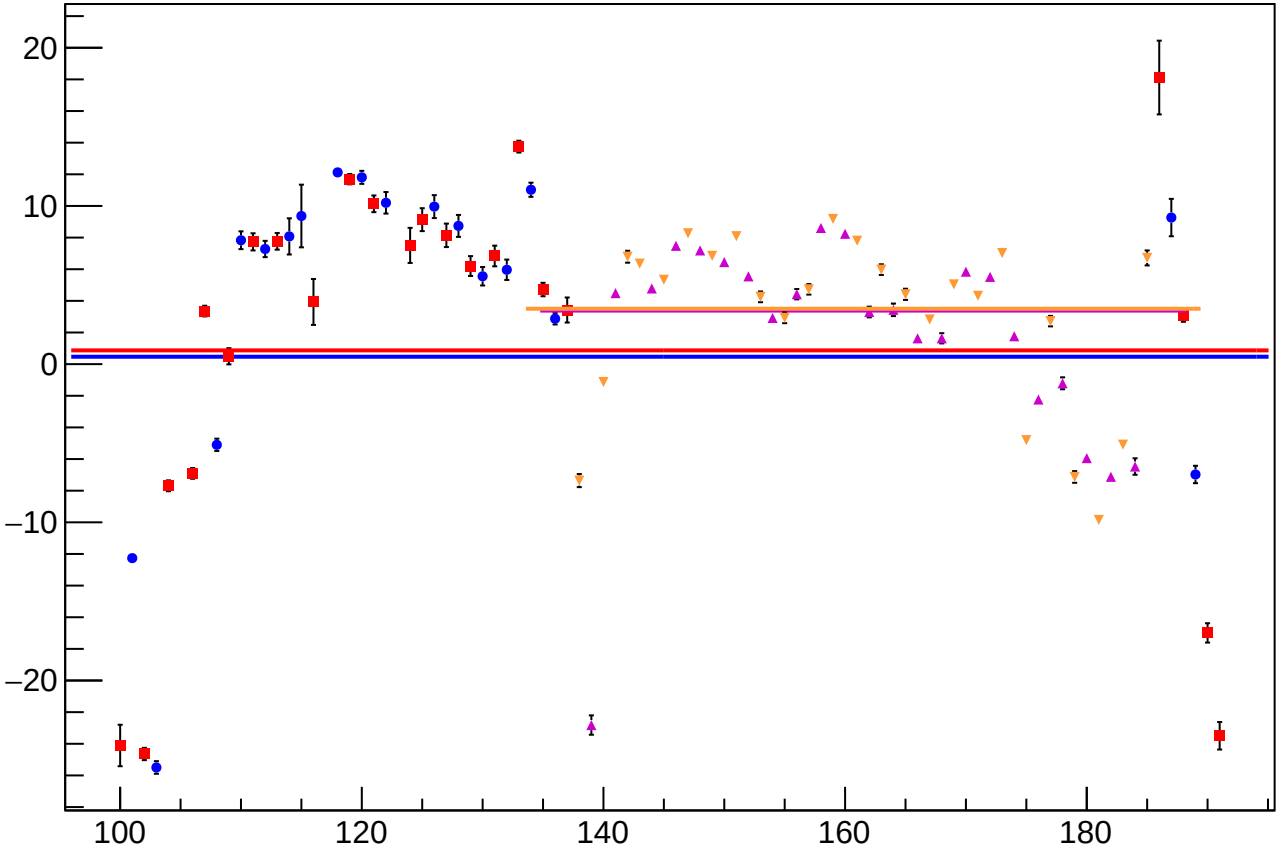
Left In: 13.061+/-0.079 χ^2/NDF:15559.8/22

+ sign 10.381+/-0.063 χ^2/NDF: 26873.0/42

All: 9.801+/-0.044 χ^2/NDF: 53205.6/88

- sign 9.253+/-0.062 χ^2/NDF: 26170.1/45

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: 0.868+/-0.104 χ^2/NDF: 11027.1/22

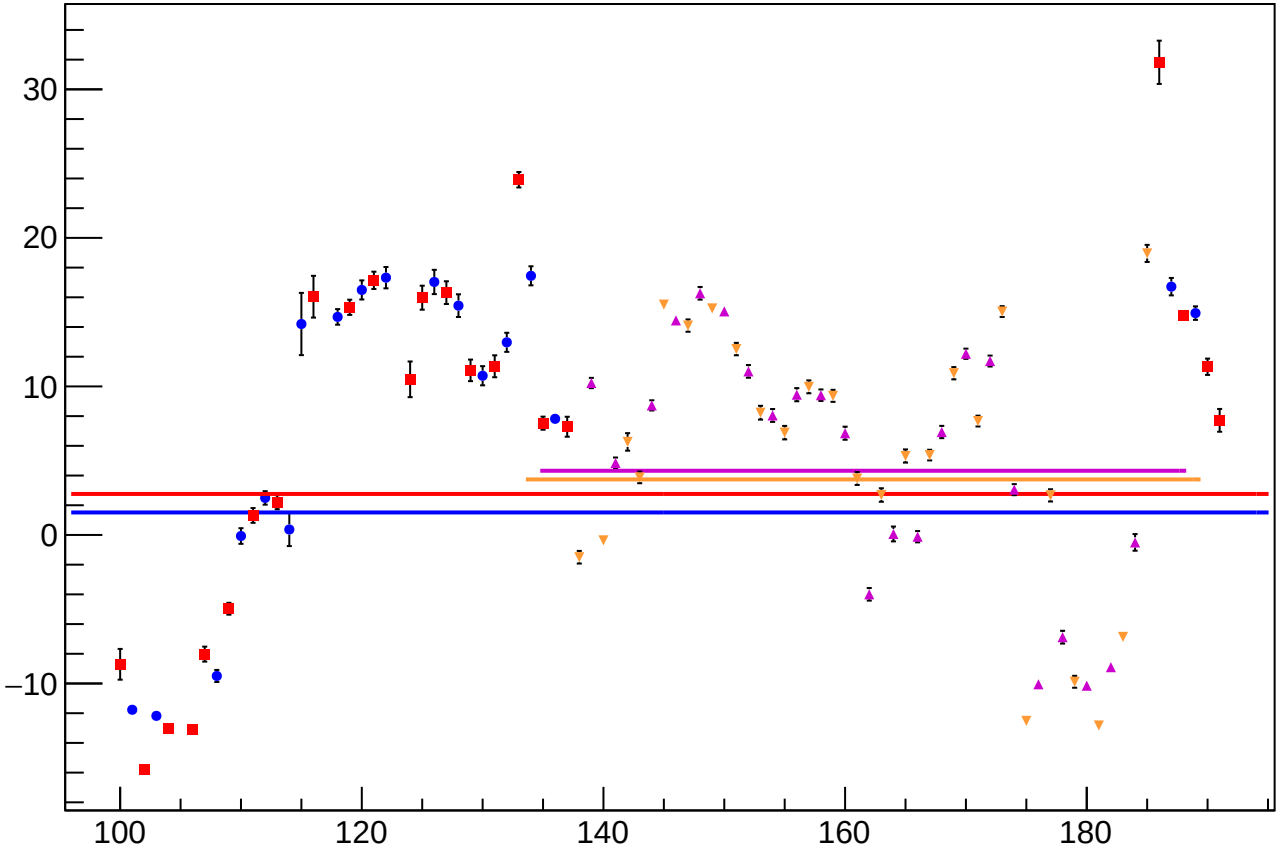
Left In: 3.385+/-0.061 χ^2/NDF:6707.6/22

+ sign 2.859+/-0.052 χ^2/NDF: 19177.5/42

All: 2.801+/-0.037 χ^2/NDF: 37349.6/88

- sign 2.742+/-0.053 χ^2/NDF: 18169.6/45

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: 2.761+/-0.098 χ^2/NDF: 17467.8/22

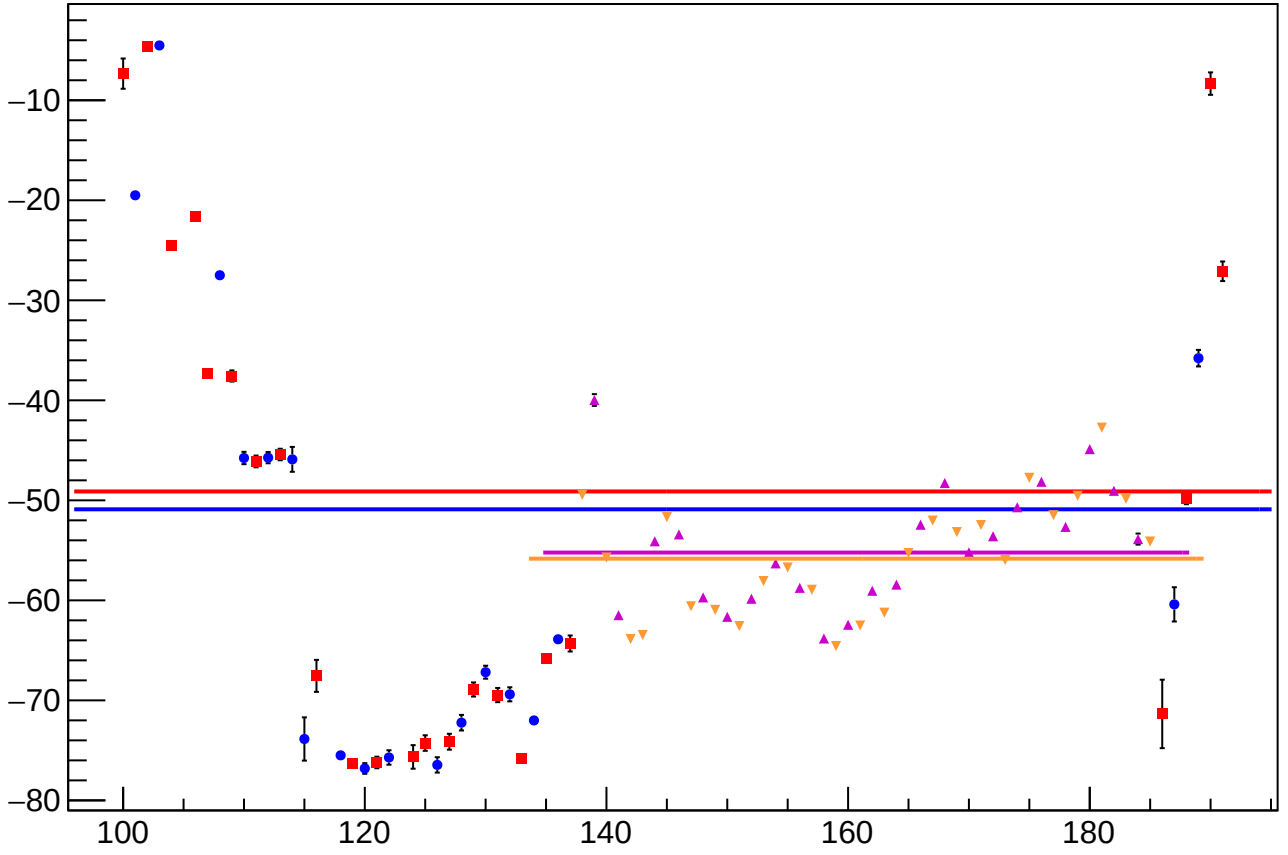
Left In: 4.322+/-0.079 χ^2/NDF:12483.3/22

+ sign 3.043+/-0.063 χ^2/NDF: 26836.1/42

All: 3.388+/-0.044 χ^2/NDF: 56999.0/88

- sign 3.713+/-0.061 χ^2/NDF: 30105.2/45

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

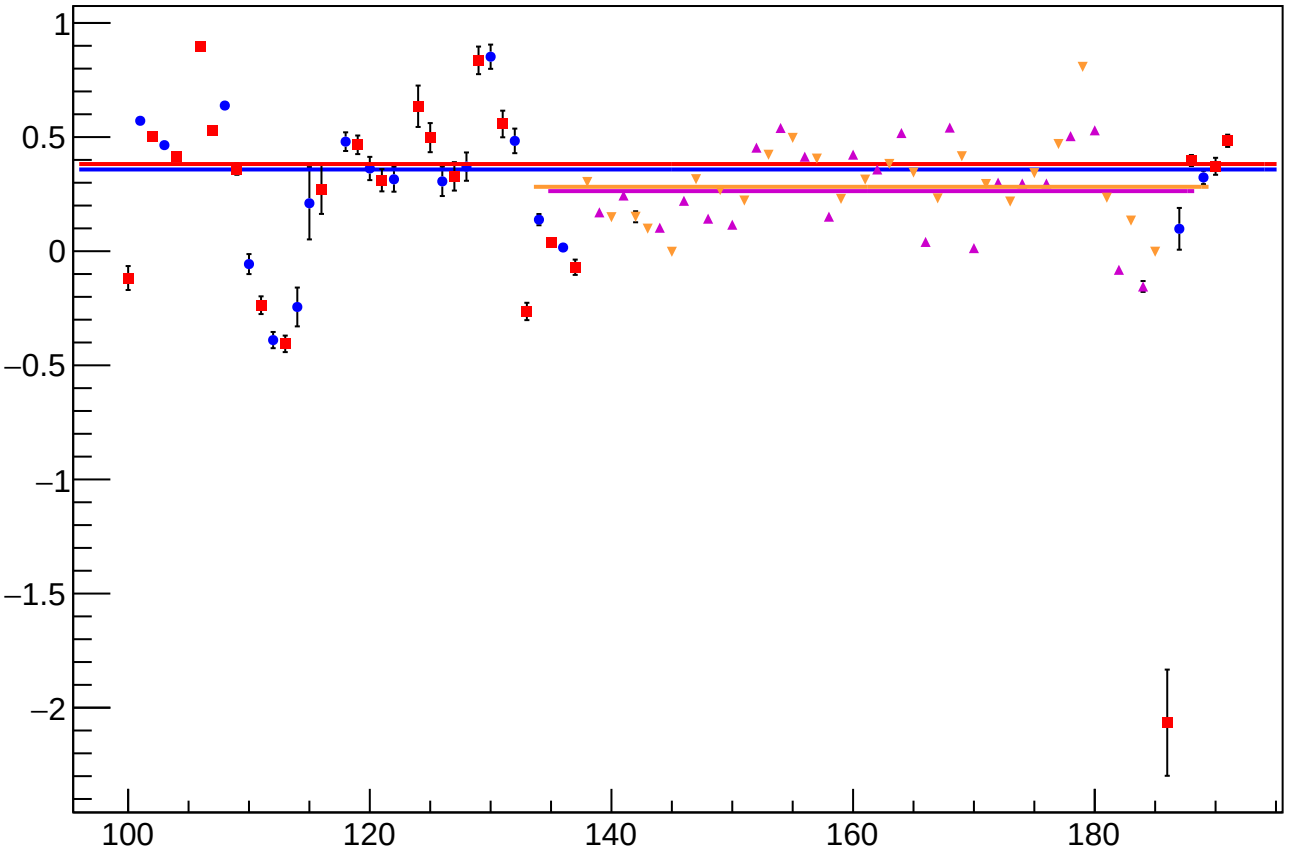
Right Out: -49.112+/-0.125 χ^2/NDF: 35807.1/22

Left In: -55.222+/-0.069 χ^2/NDF:6343.0/22

+ sign -54.855+/-0.059 χ^2/NDF: 42824.1/42

All: -54.339+/-0.042 χ^2/NDF: 86958.5/88

- sign -53.808+/-0.060 χ^2/NDF: 43981.1/45



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: 0.382+/-0.006 χ^2/NDF: 2916.6/22

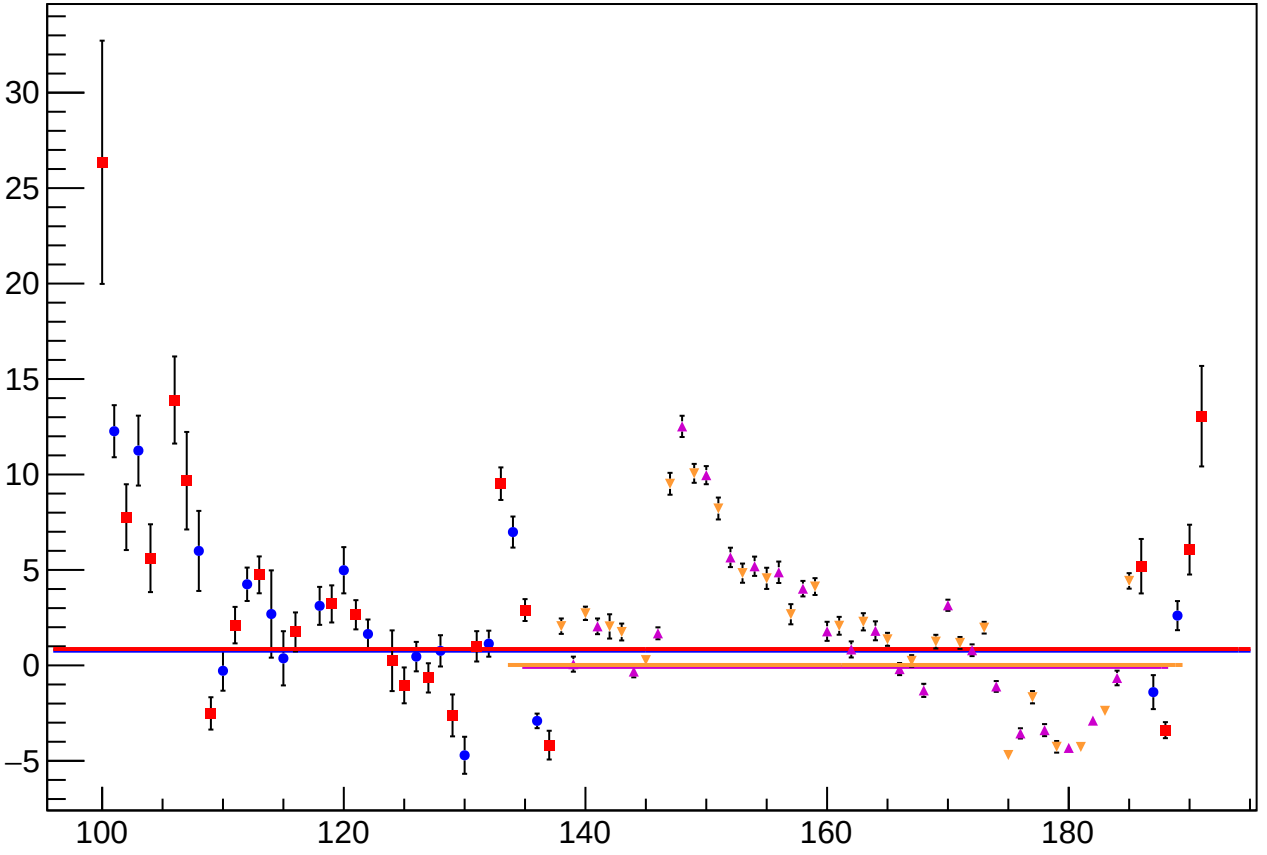
Left In: 0.263+/-0.003 χ^2/NDF:3835.8/22

+ sign 0.296+/-0.003 χ^2/NDF: 4703.6/42

All: 0.293+/-0.002 χ^2/NDF: 11795.6/88

- sign 0.289+/-0.003 χ^2/NDF: 7088.5/45

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: 0.857+/-0.192 χ^2/NDF: 457.7/22

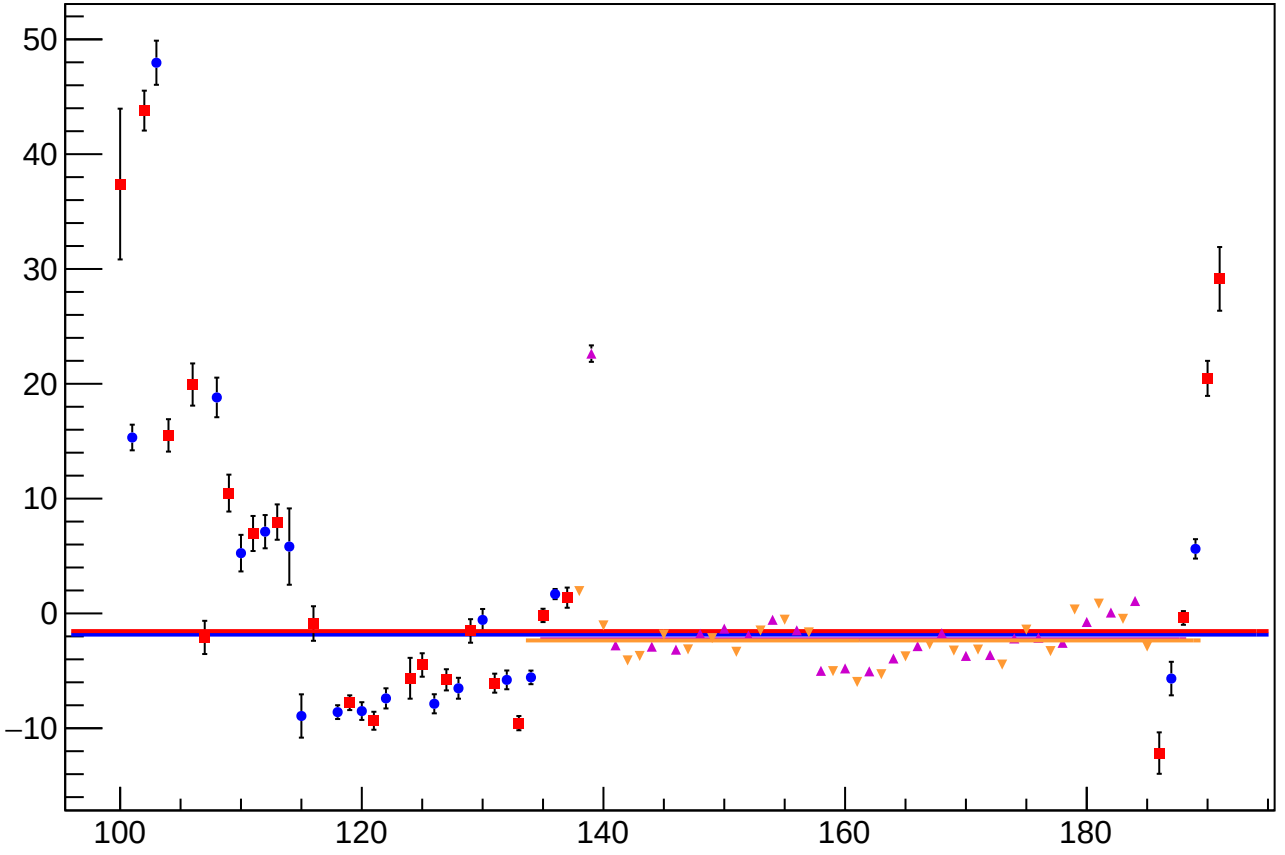
Left In: -0.080+/-0.071 χ^2/NDF:2464.5/22

+ sign 0.101+/-0.065 χ^2/NDF: 3113.8/42

All: 0.067+/-0.046 χ^2/NDF: 6057.4/88

- sign 0.032+/-0.066 χ^2/NDF: 2943.1/45

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



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: -1.540+/-0.210 χ^2/NDF: 1933.6/22

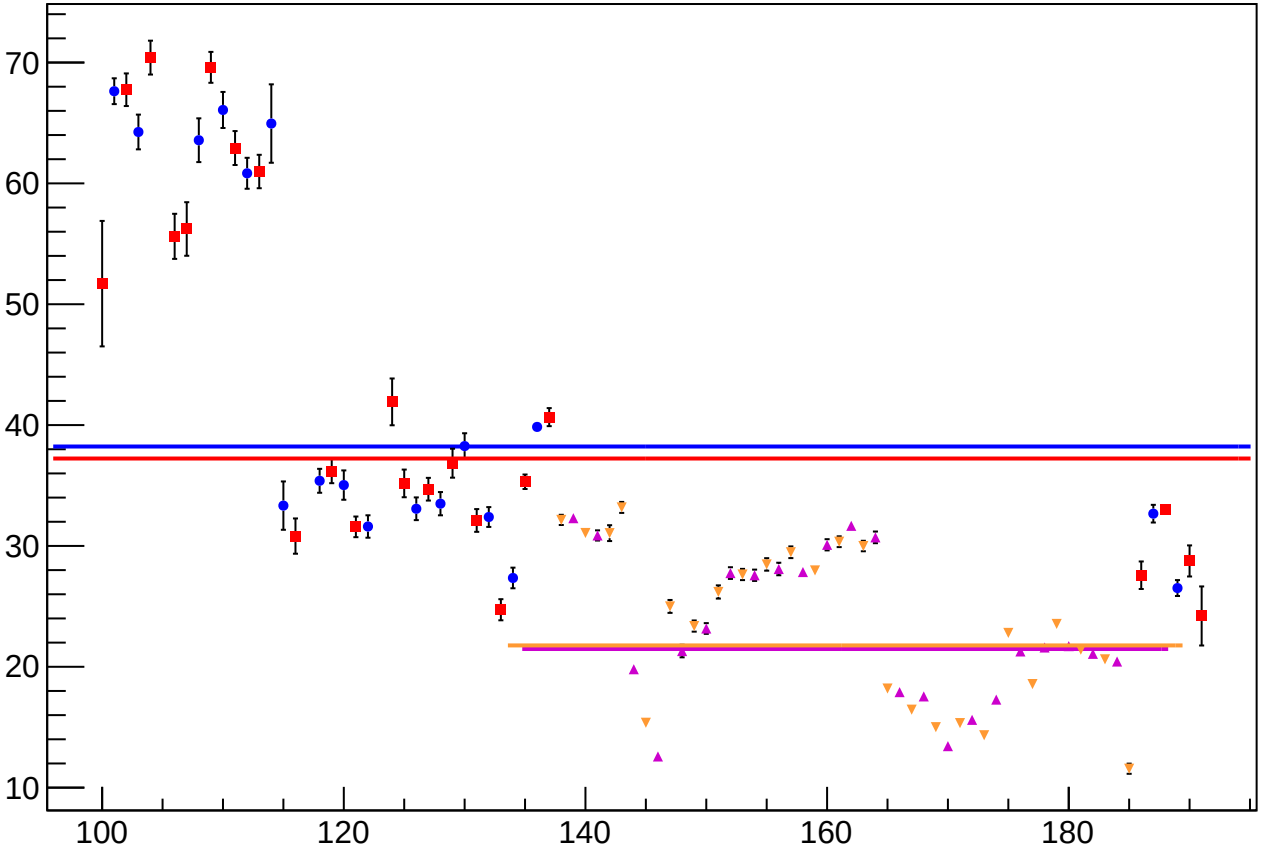
Left In: -2.257+/-0.056 χ^2/NDF:1877.2/22

+ sign -2.319+/-0.053 χ^2/NDF: 2792.1/42

All: -2.265+/-0.038 χ^2/NDF: 6615.9/88

- sign -2.208+/-0.054 χ^2/NDF: 3821.7/45

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: 37.233+/-0.195 χ^2/NDF: 3169.2/22

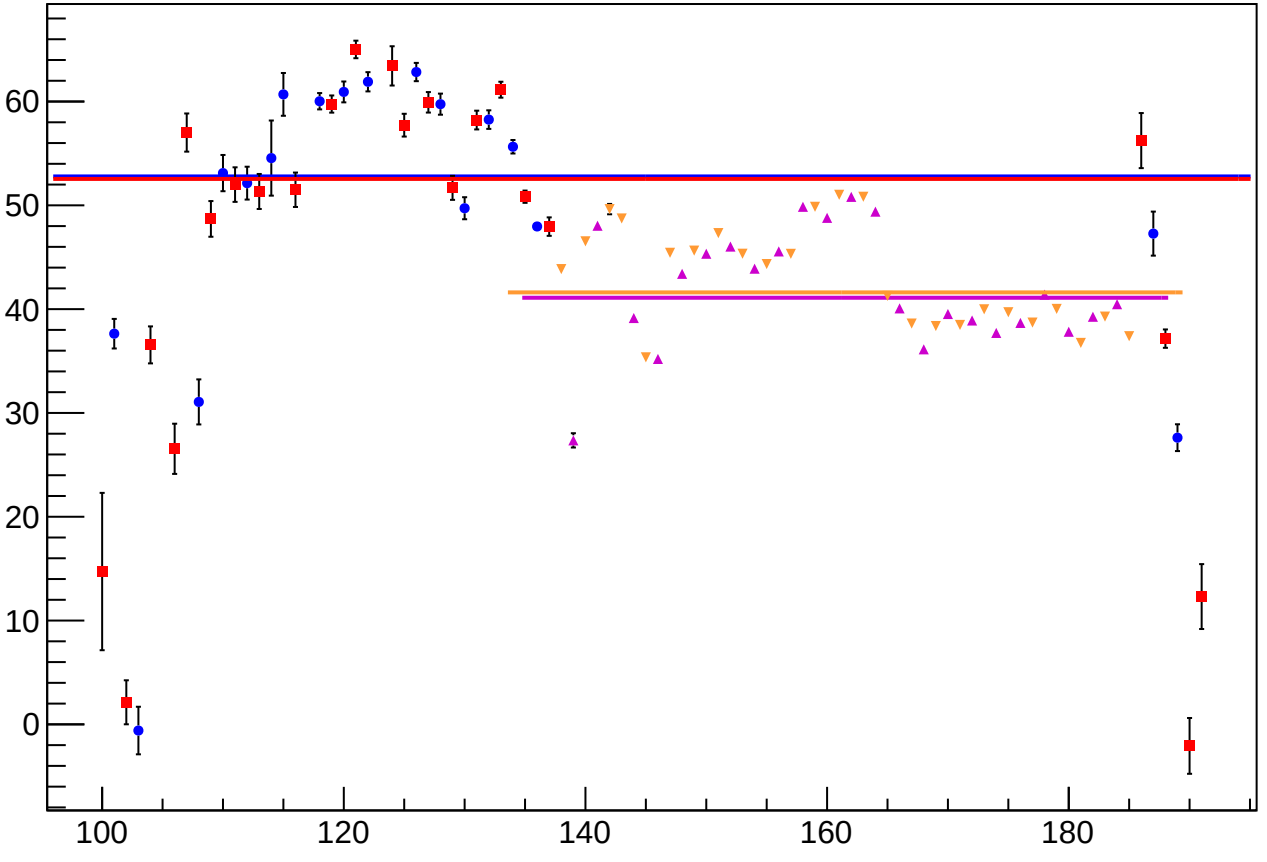
Left In: 21.472+/-0.071 χ^2/NDF:5787.4/22

+ sign 23.377+/-0.065 χ^2/NDF: 15139.2/42

All: 23.336+/-0.047 χ^2/NDF: 29856.4/88

- sign 23.294+/-0.066 χ^2/NDF: 14716.4/45

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



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: 52.545+/-0.243 χ^2/NDF: 2287.4/22

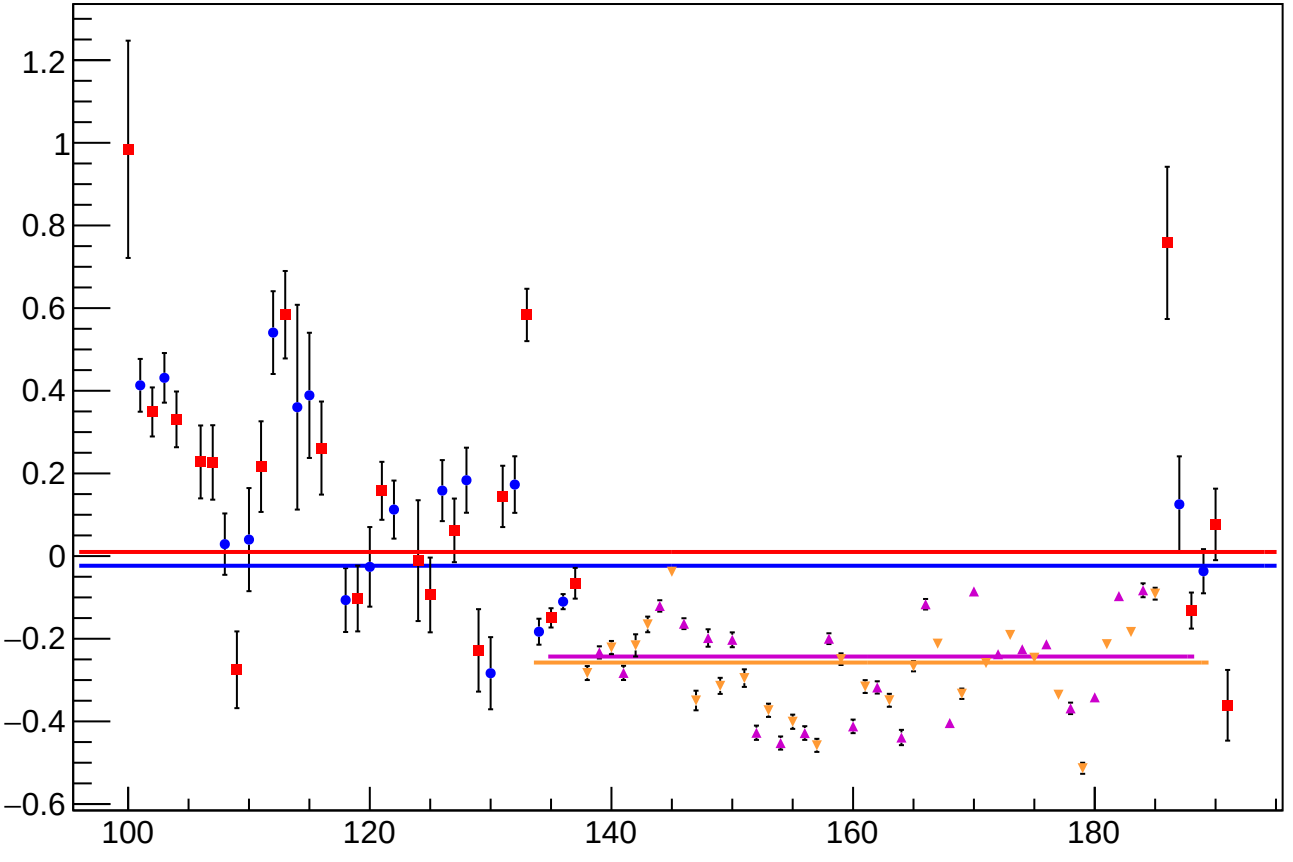
Left In: 41.098+/-0.063 χ^2/NDF:5478.0/22

+ sign 42.332+/-0.059 χ^2/NDF: 9680.0/42

All: 42.077+/-0.042 χ^2/NDF: 19560.3/88

- sign 41.810+/-0.061 χ^2/NDF: 9842.5/45

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

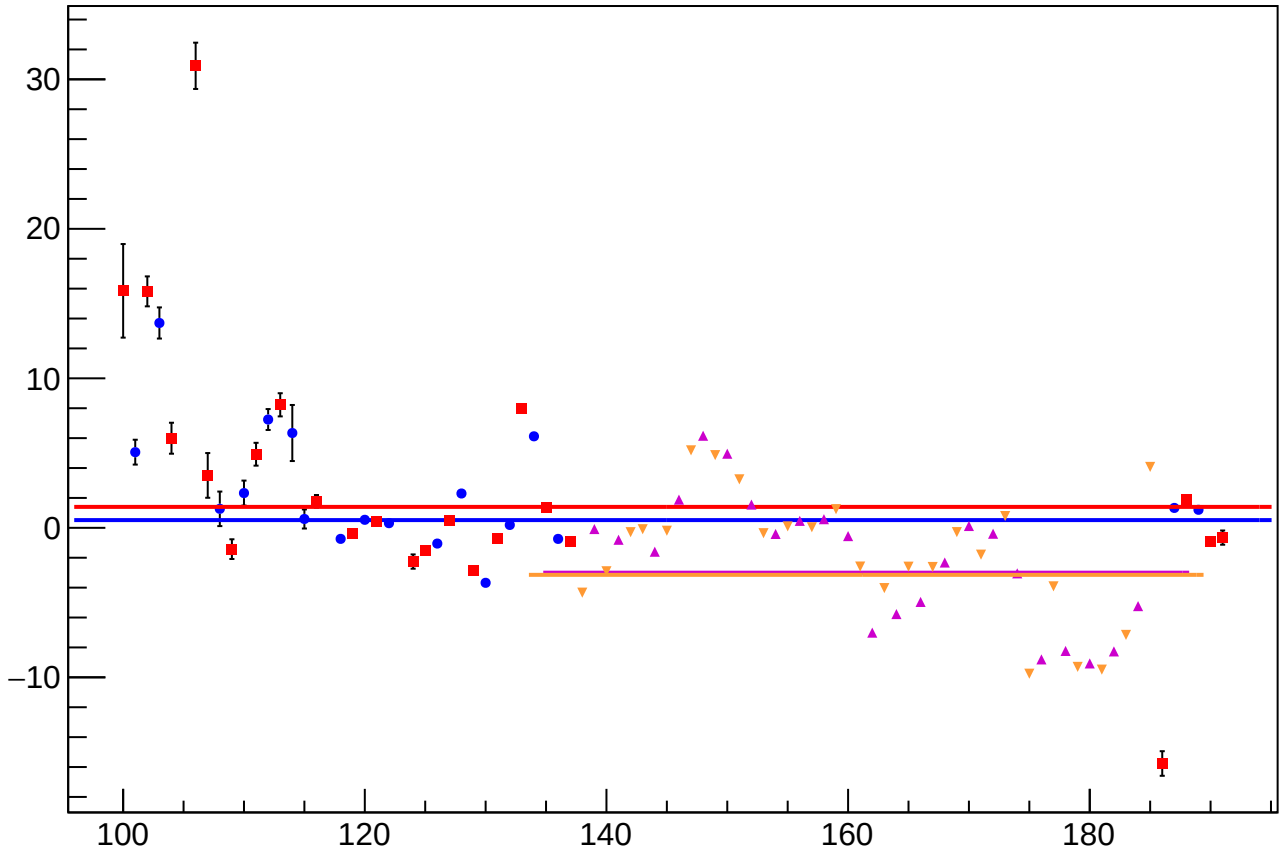
Right Out: 0.010+/-0.013 χ^2/NDF: 324.7/22

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: 4591.5/88

- sign -0.232+/-0.003 χ^2/NDF: 2489.0/45



Right In: 0.517+/-0.072 χ^2/NDF: 1114.6/17

Left Out: -3.144+/-0.028 χ^2/NDF:25358.6/24

Right Out: 1.401+/-0.064 χ^2/NDF: 2935.1/22

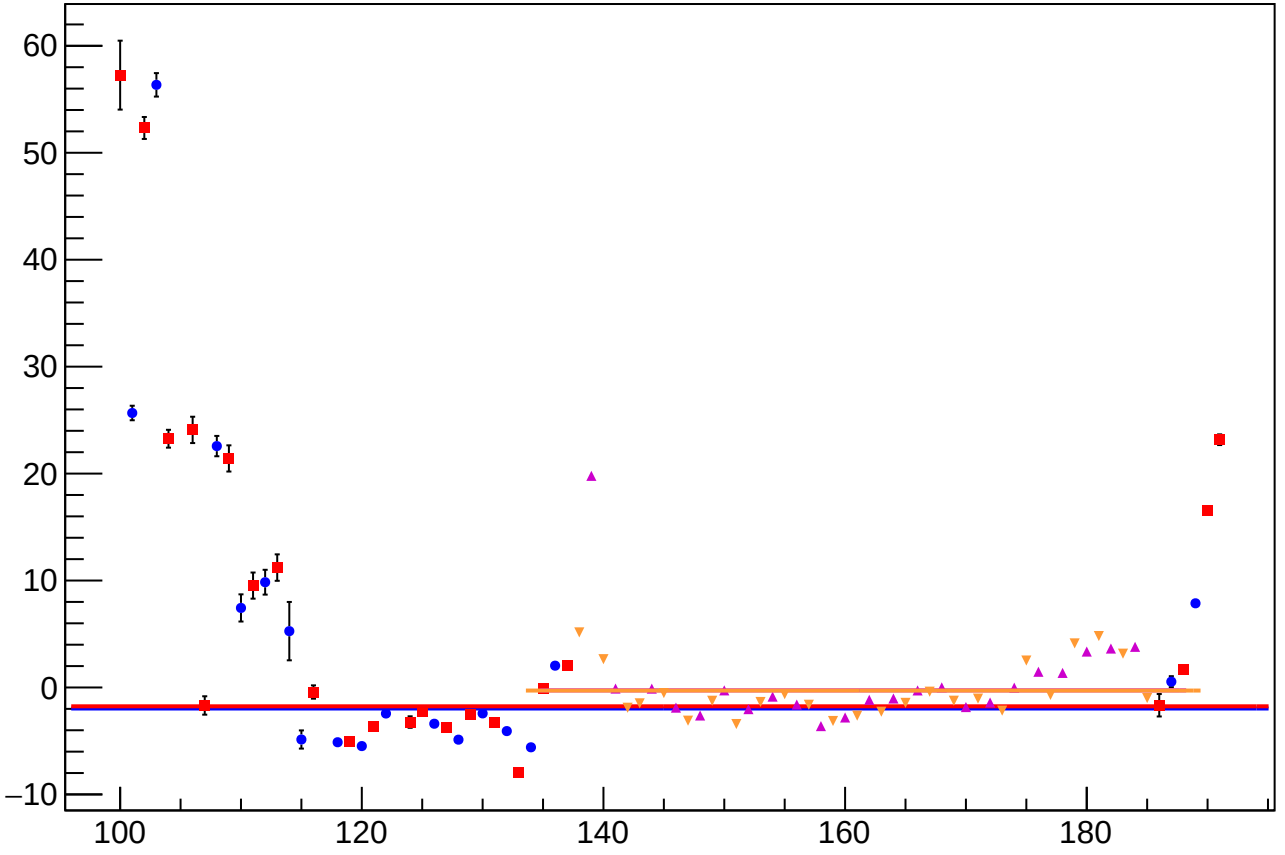
Left In: -2.999+/-0.028 χ^2/NDF:22425.0/22

+ sign -2.666+/-0.026 χ^2/NDF: 28752.4/42

All: -2.466+/-0.018 χ^2/NDF: 58229.6/88

- sign -2.263+/-0.026 χ^2/NDF: 29356.7/45

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: -1.761+/-0.064 χ^2/NDF: 13018.5/22

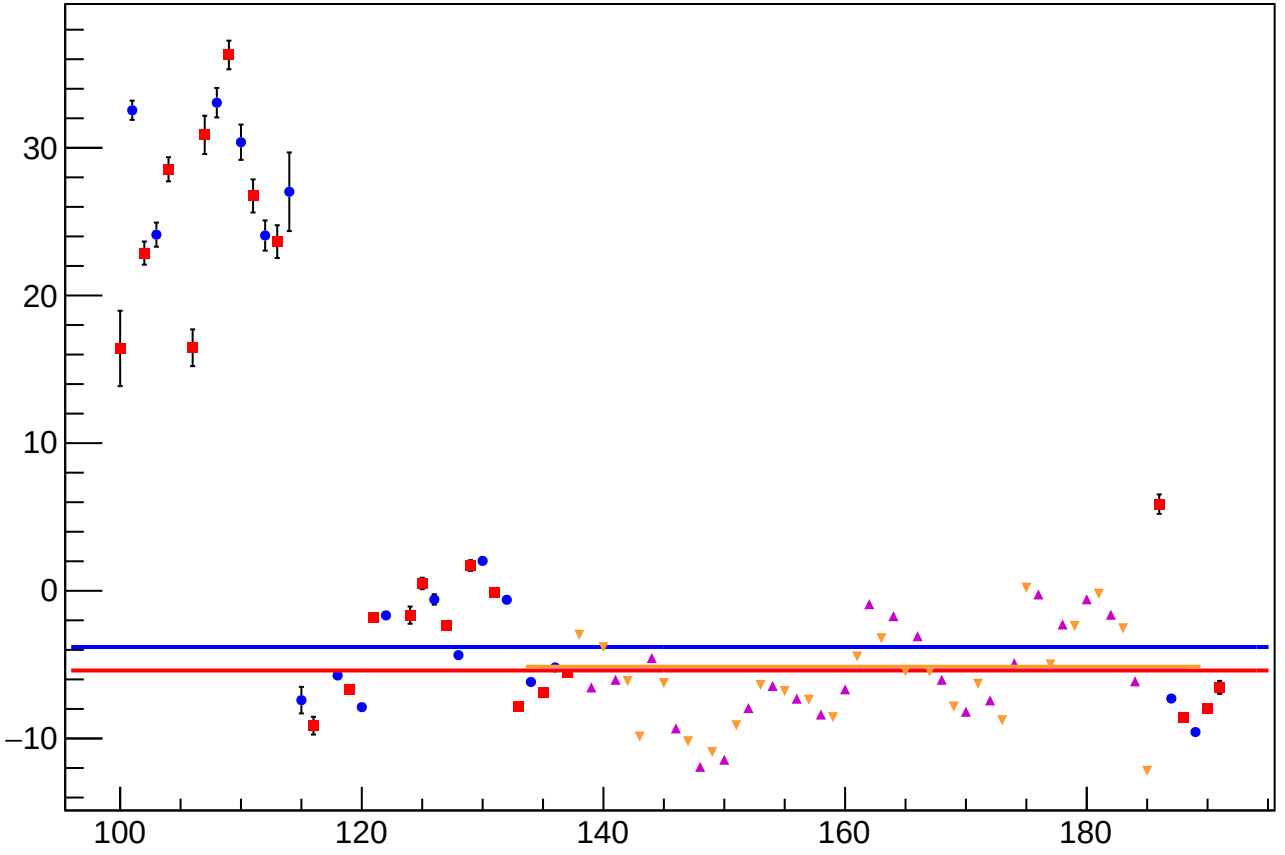
Left In: -0.271+/-0.022 χ^2/NDF:13220.8/22

+ sign -0.445+/-0.021 χ^2/NDF: 21336.0/42

All: -0.439+/-0.015 χ^2/NDF: 48058.8/88

- sign -0.432+/-0.021 χ^2/NDF: 26722.6/45

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



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: -5.396+/-0.062 χ^2/NDF: 10457.3/22

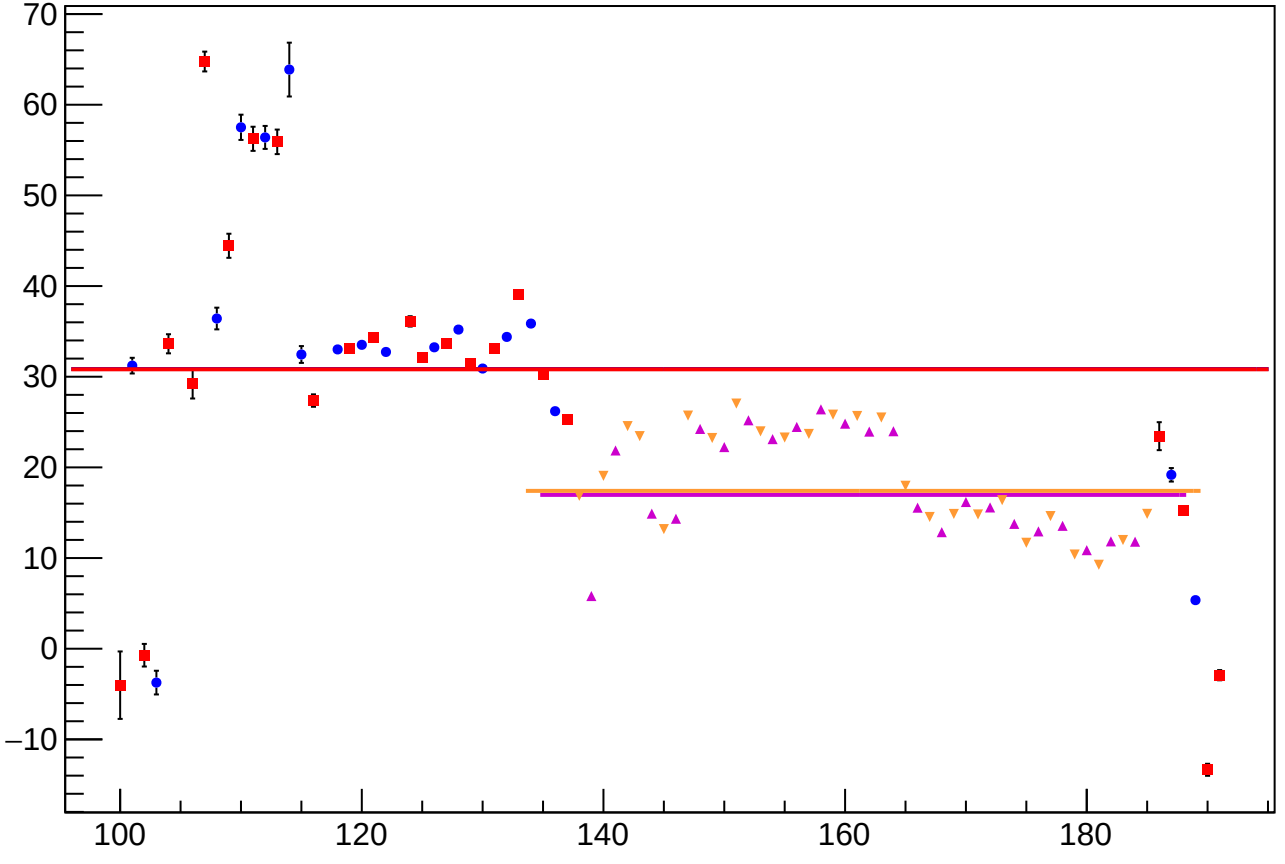
Left In: -5.177+/-0.028 χ^2/NDF:13963.7/22

+ sign -4.974+/-0.026 χ^2/NDF: 24185.3/42

All: -5.096+/-0.018 χ^2/NDF: 48659.9/88

- sign -5.215+/-0.026 χ^2/NDF: 24431.3/45

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

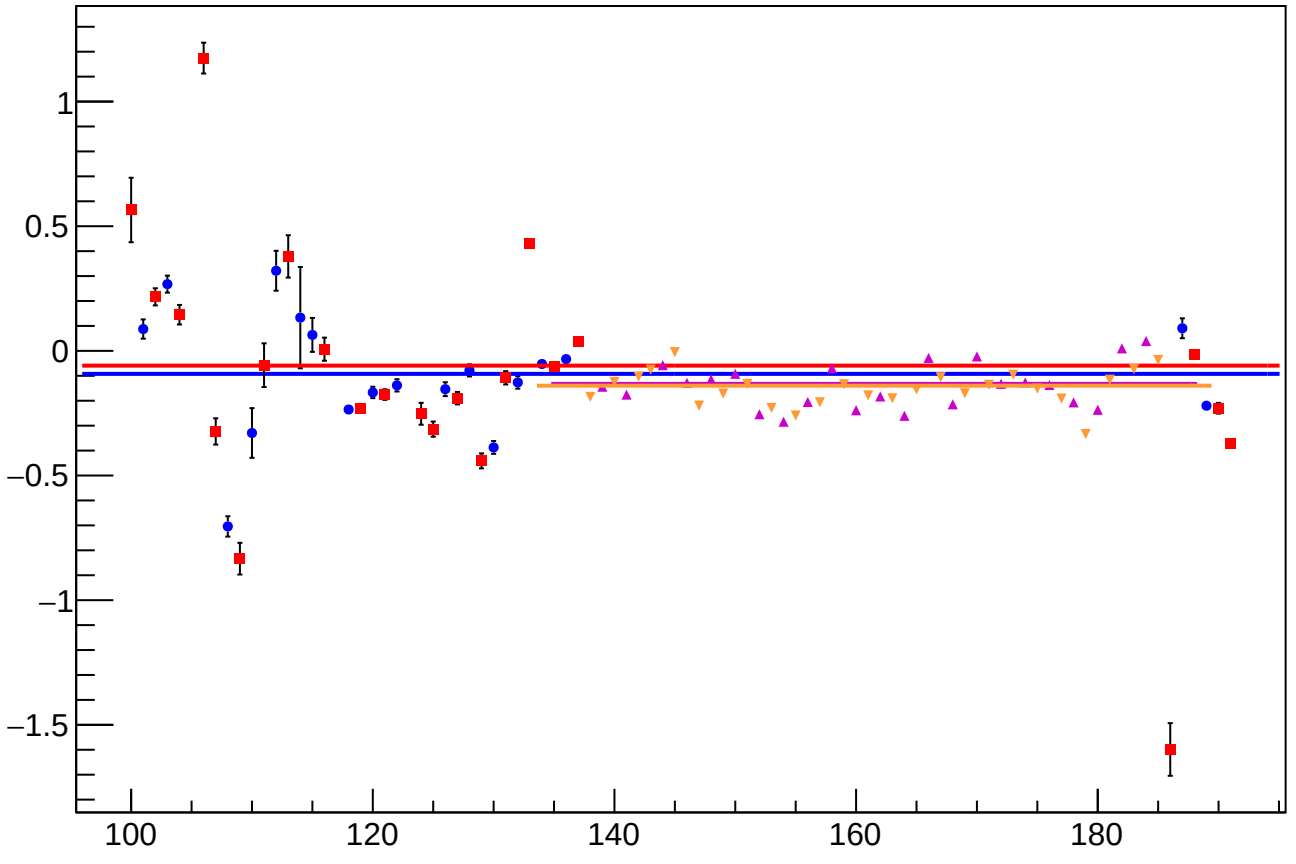
Right Out: 30.819+/-0.076 χ^2/NDF: 17447.1/22

Left In: 16.967+/-0.025 χ^2/NDF:39939.4/22

+ sign 18.578+/-0.023 χ^2/NDF: 84680.9/42

All: 18.446+/-0.017 χ^2/NDF: 171859.5/88

- sign 18.309+/-0.024 χ^2/NDF: 87113.7/45



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: -0.059+/-0.004 χ^2/NDF: 3035.9/22

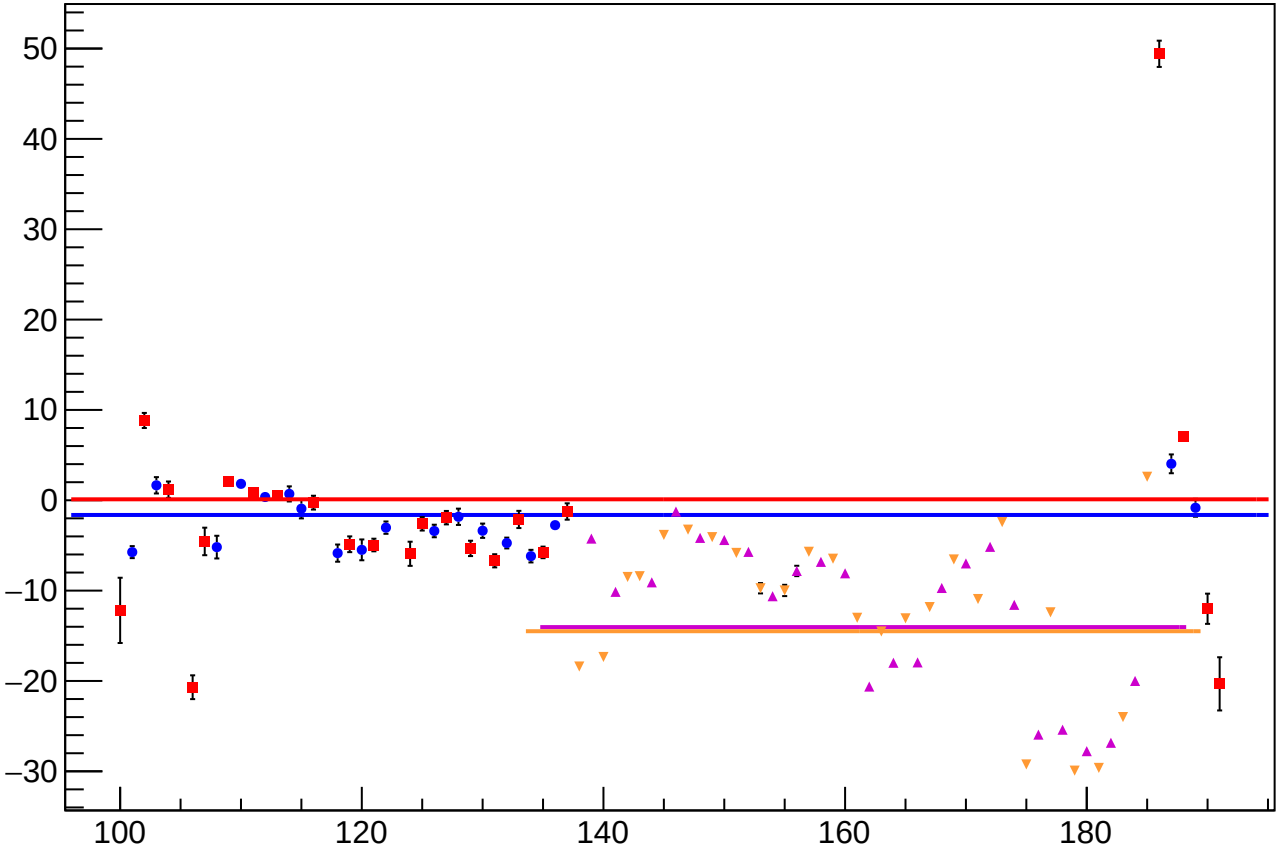
Left In: -0.133+/-0.001 χ^2/NDF:5529.7/22

+ sign -0.137+/-0.001 χ^2/NDF: 4997.9/42

All: -0.133+/-0.001 χ^2/NDF: 13856.8/88

- sign -0.128+/-0.001 χ^2/NDF: 8823.9/45

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



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: 0.106+/-0.141 χ^2/NDF: 2194.8/22

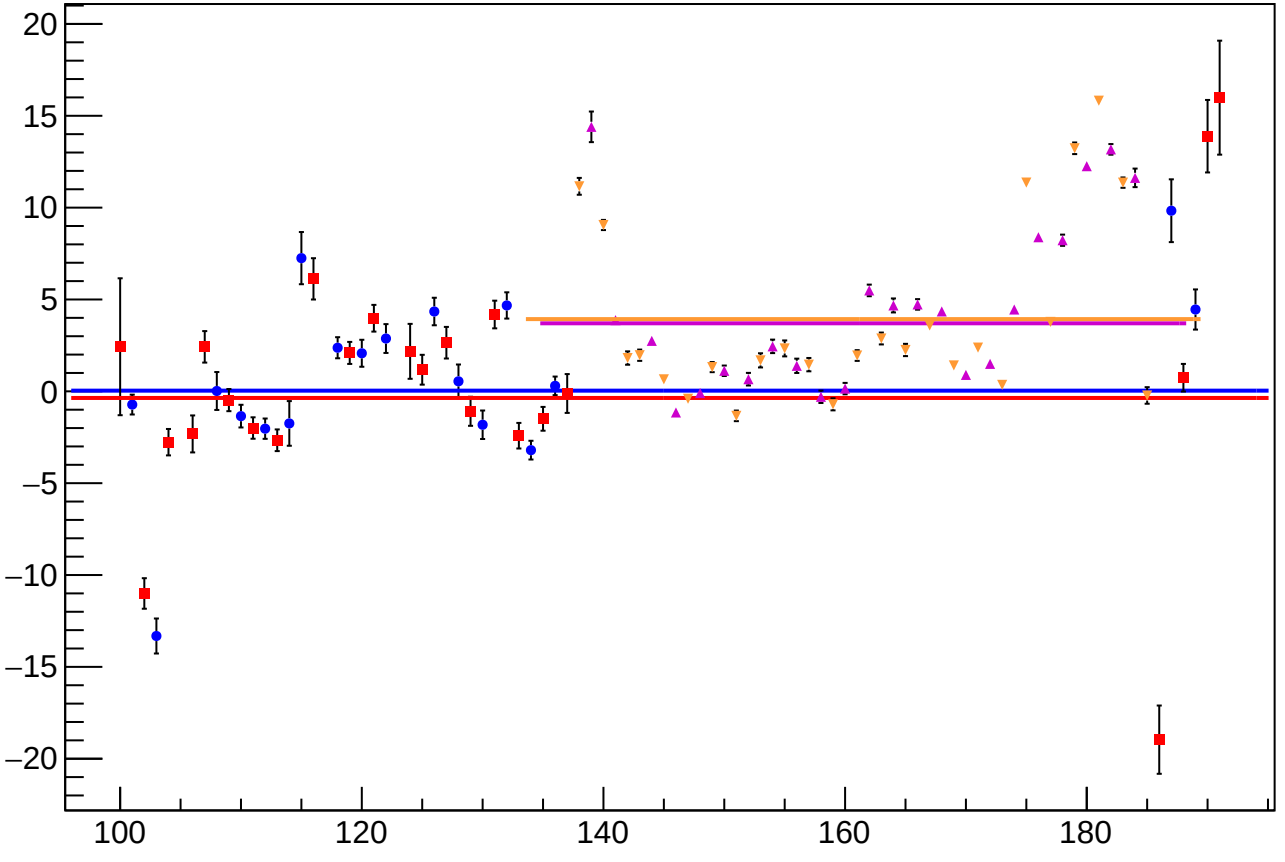
Left In: -14.038+/-0.077 χ^2/NDF:13482.5/22

+ sign -12.026+/-0.067 χ^2/NDF: 23242.3/42

All: -11.425+/-0.048 χ^2/NDF: 46798.4/88

- sign -10.818+/-0.068 χ^2/NDF: 23395.3/45

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

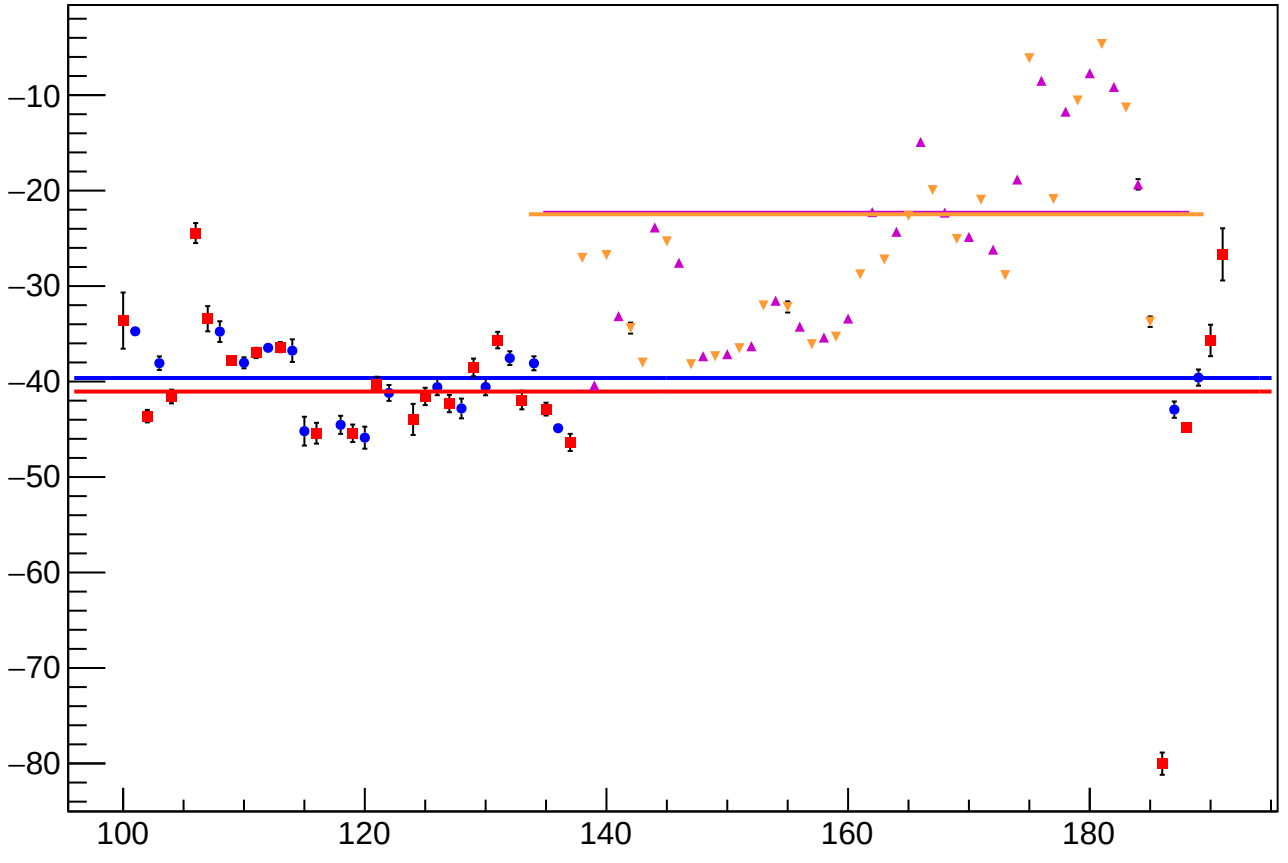
Right Out: -0.361+/-0.171 χ^2/NDF: 548.7/22

Left In: 3.703+/-0.059 χ^2/NDF:4788.5/22

+ sign 3.527+/-0.055 χ^2/NDF: 7903.2/42

All: 3.399+/-0.039 χ^2/NDF: 13756.5/88

- sign 3.266+/-0.056 χ^2/NDF: 5842.3/45



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: -41.046+/-0.164 χ^2/NDF: 1851.0/22

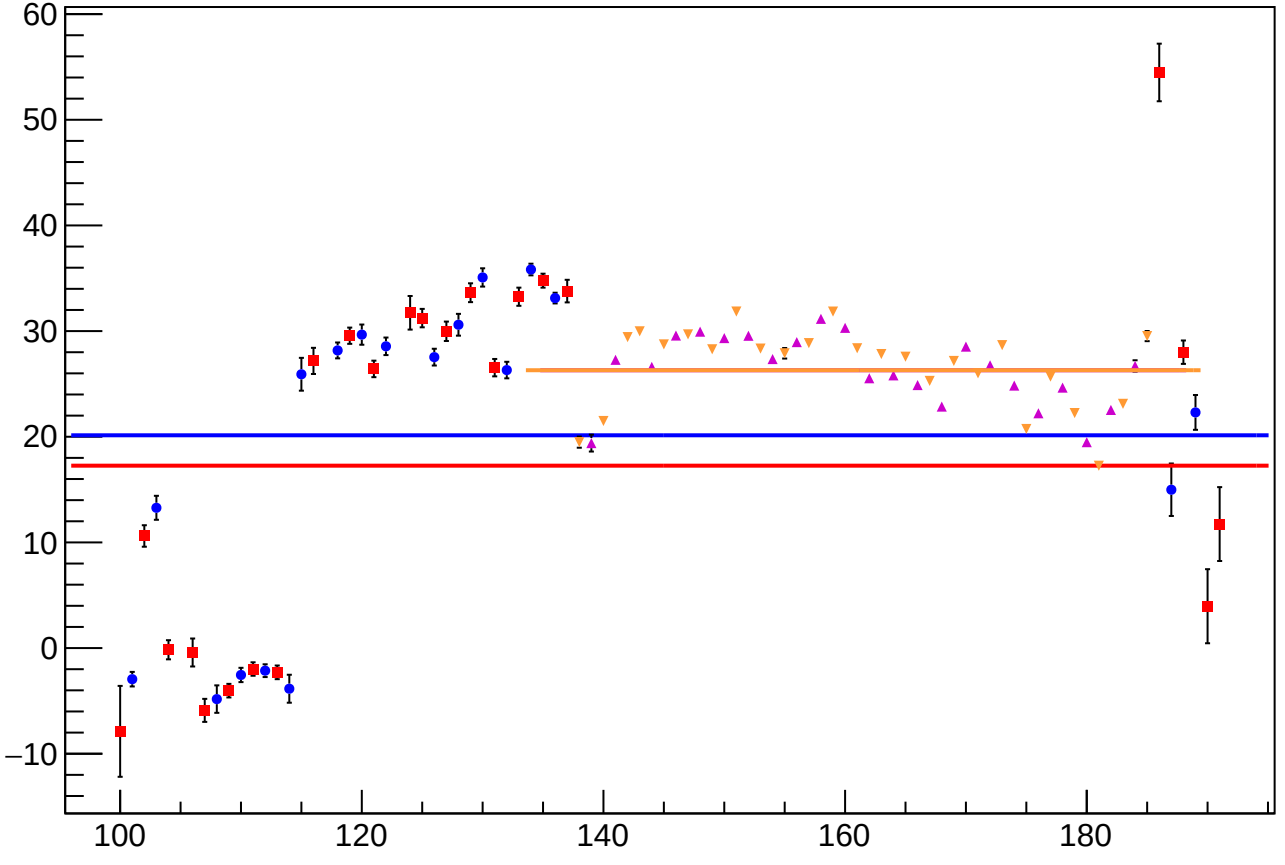
Left In: -22.322+/-0.077 χ^2/NDF:17133.3/22

\+ sign -25.186+/-0.069 χ^2/NDF: 29148.7/42

All: -25.428+/-0.049 χ^2/NDF: 58867.0/88

\- sign -25.676+/-0.069 χ^2/NDF: 29693.2/45

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: 17.263+/-0.195 χ^2/NDF: 7042.5/22

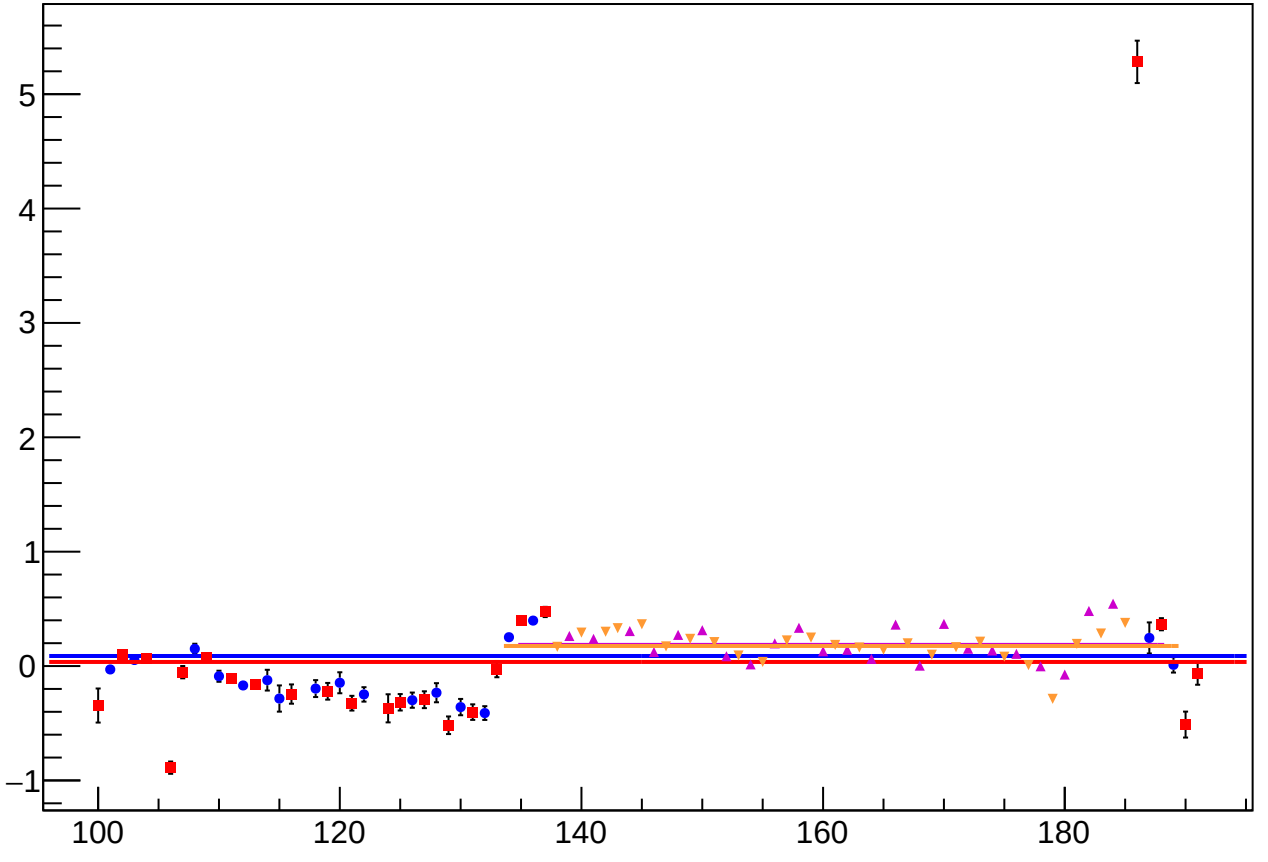
Left In: 26.292+/-0.067 χ^2/NDF:2185.8/22

+ sign 25.666+/-0.062 χ^2/NDF: 10914.2/42

All: 25.512+/-0.044 χ^2/NDF: 22067.6/88

- sign 25.352+/-0.063 χ^2/NDF: 11140.8/45

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: 0.036+/-0.011 χ^2/NDF: 1704.9/22

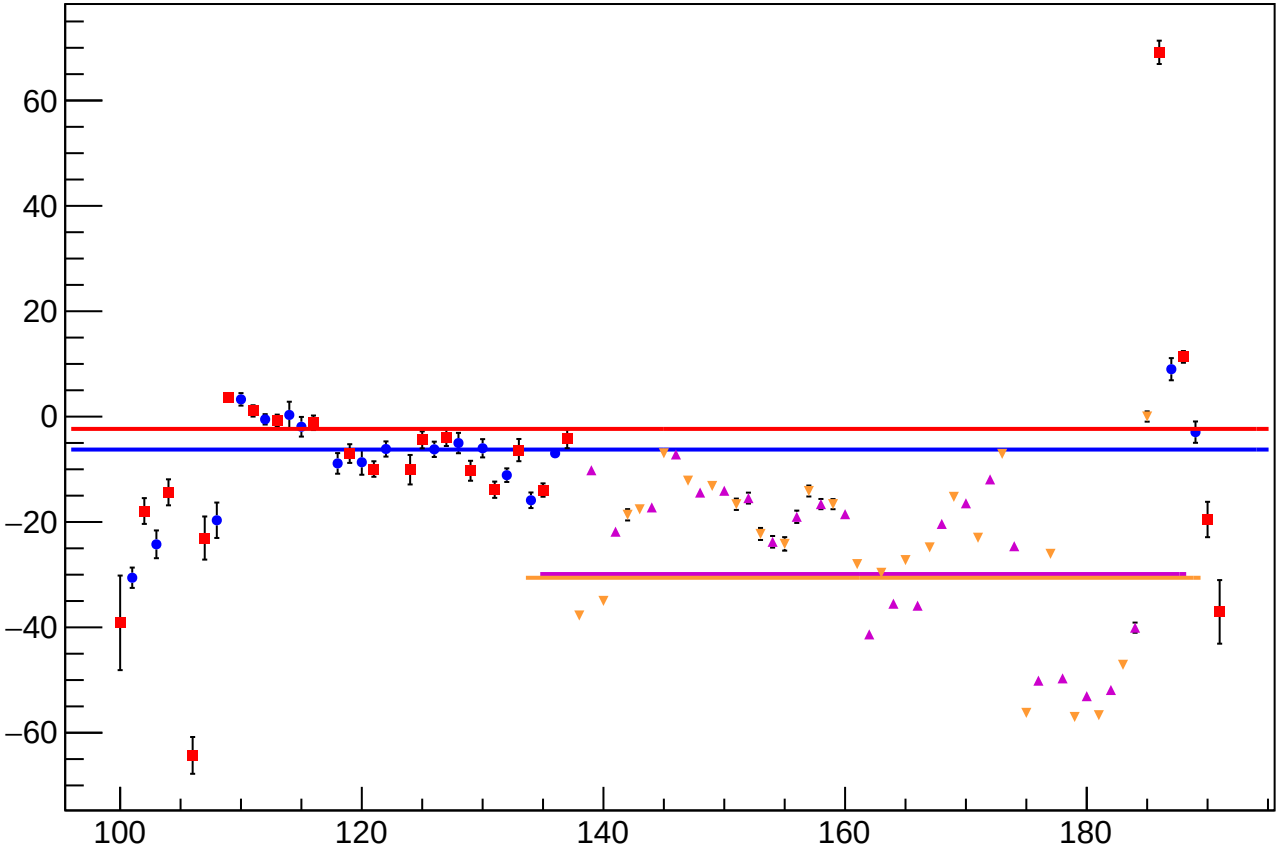
Left In: 0.185+/-0.003 χ^2/NDF:2538.5/22

+ sign 0.169+/-0.003 χ^2/NDF: 2569.7/42

All: 0.172+/-0.002 χ^2/NDF: 6996.6/88

- sign 0.174+/-0.003 χ^2/NDF: 4425.3/45

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



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: -2.332+/-0.344 χ^2/NDF: 1931.5/22

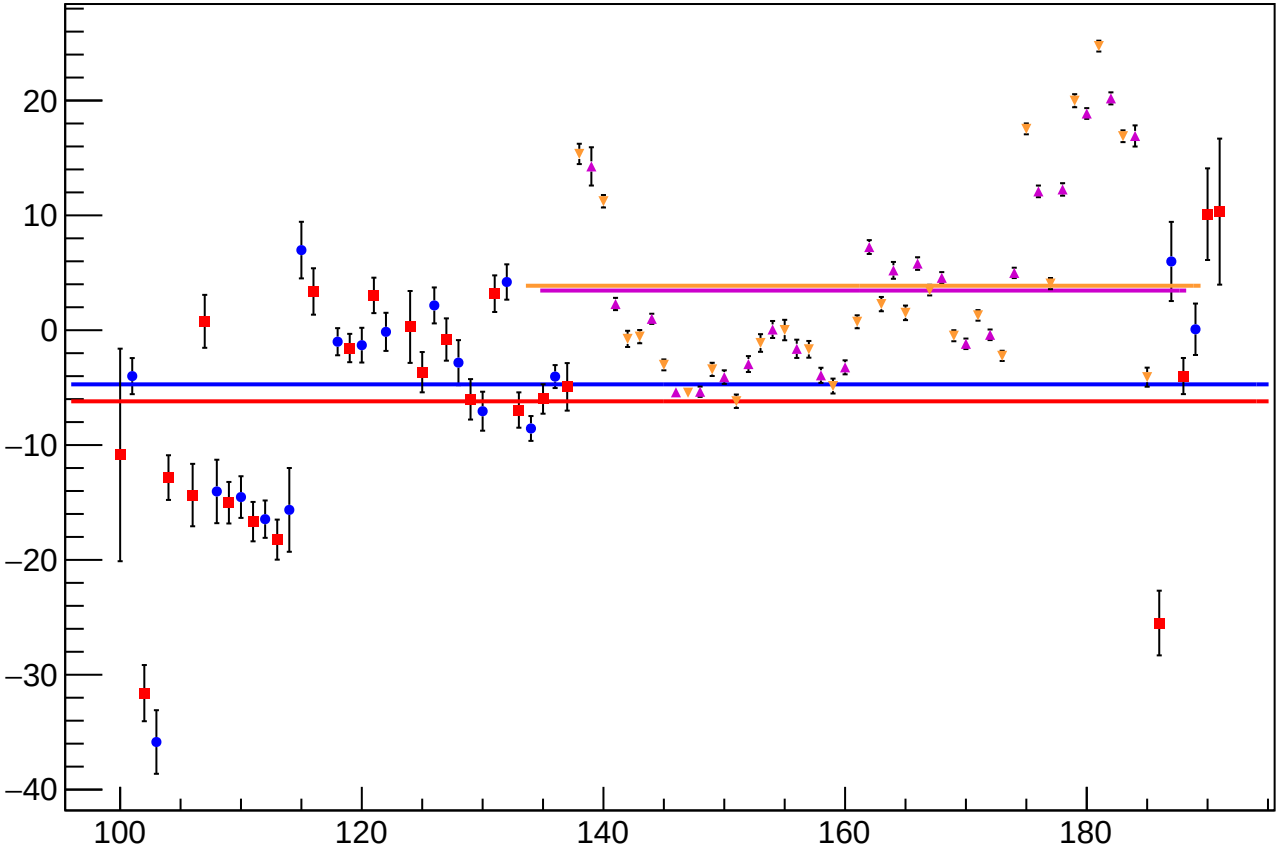
Left In: -29.878+/-0.146 χ^2/NDF:12034.7/22

+ sign -27.364+/-0.132 χ^2/NDF: 20376.4/42

All: -26.523+/-0.094 χ^2/NDF: 39867.4/88

- sign -25.654+/-0.135 χ^2/NDF: 19408.9/45

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: -6.192+/-0.396 χ^2/NDF: 441.5/22

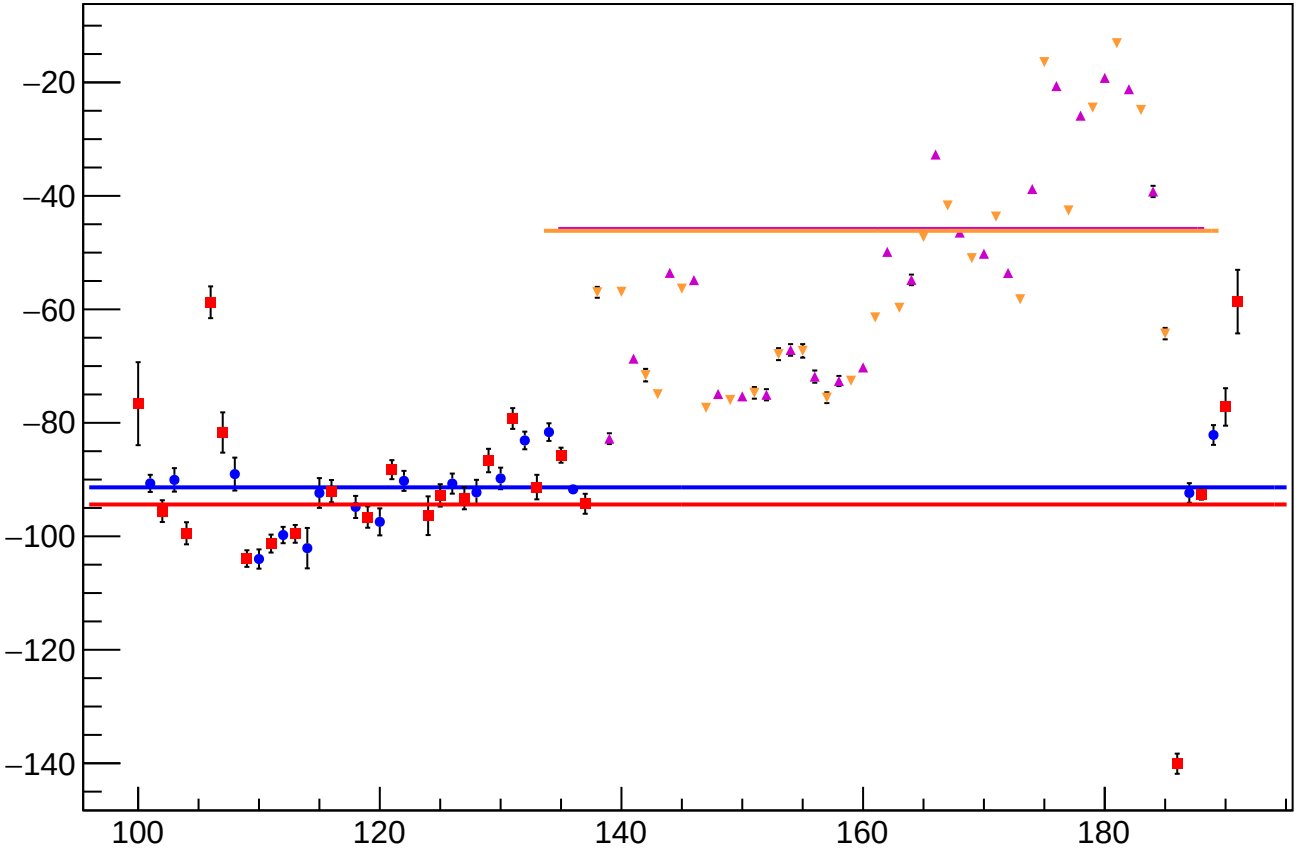
Left In: 3.453+/-0.114 χ^2/NDF:4693.7/22

+ sign 3.218+/-0.107 χ^2/NDF: 7353.7/42

All: 2.973+/-0.076 χ^2/NDF: 13048.0/88

- sign 2.718+/-0.109 χ^2/NDF: 5683.6/45

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: -94.390+/-0.382 χ^2/NDF: 1138.0/22

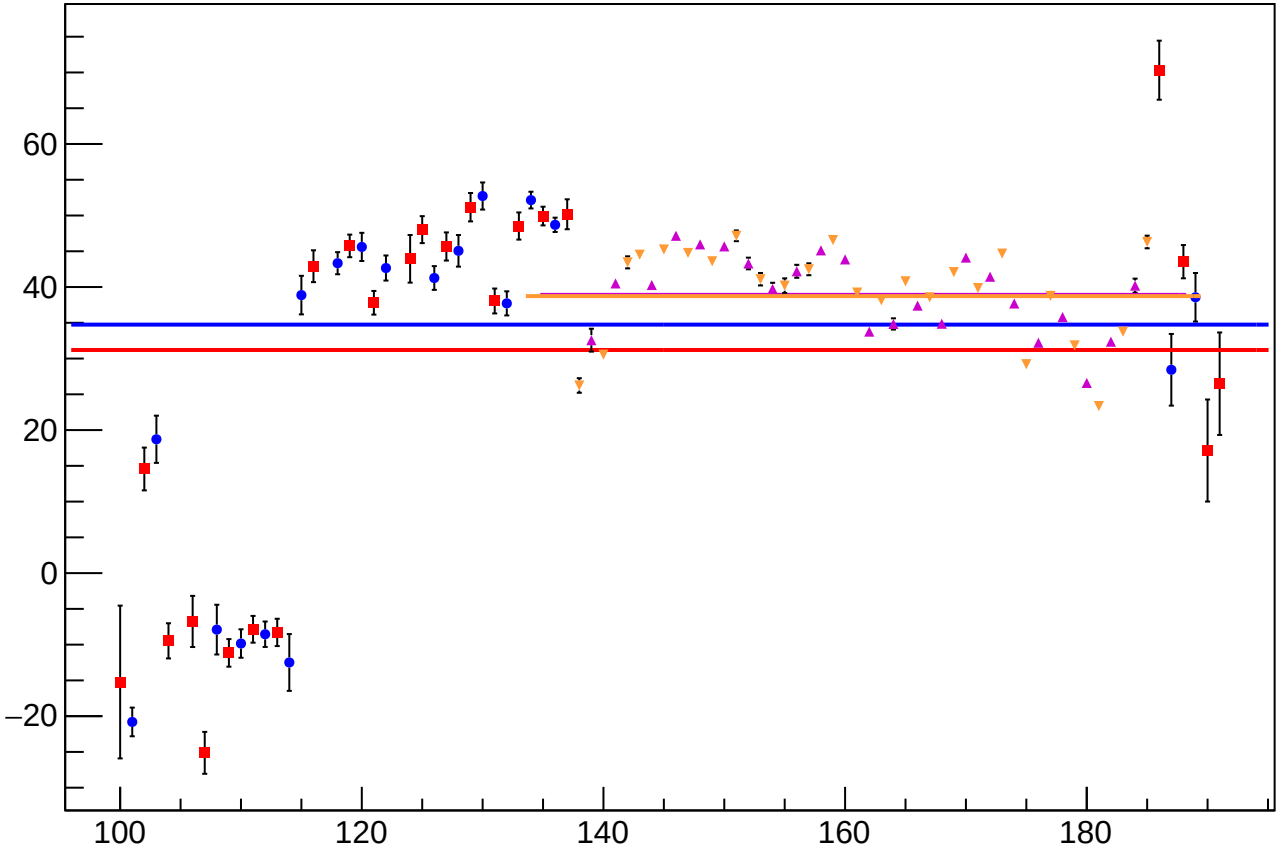
Left In: -45.833+/-0.146 χ^2/NDF:17924.6/22

\+ sign -51.222+/-0.134 χ^2/NDF: 32963.5/42

All: -51.620+/-0.096 χ^2/NDF: 66160.5/88

\- sign -52.031+/-0.136 χ^2/NDF: 33179.0/45

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: 31.198+/-0.453 χ^2/NDF: 3037.4/22

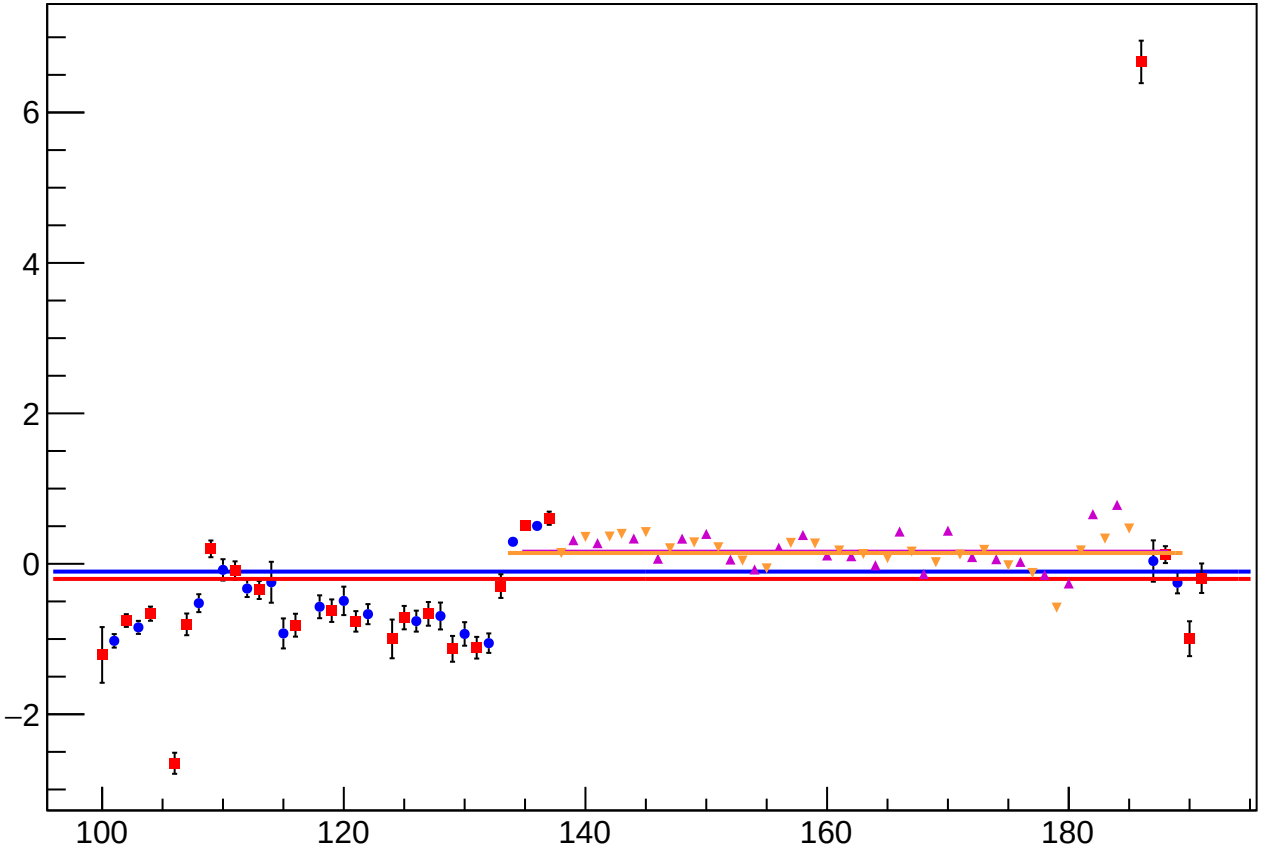
Left In: 38.905+/-0.127 χ^2/NDF:1971.6/22

+ sign 38.430+/-0.120 χ^2/NDF: 5670.8/42

All: 38.386+/-0.086 χ^2/NDF: 10947.9/88

- sign 38.340+/-0.123 χ^2/NDF: 5276.8/45

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

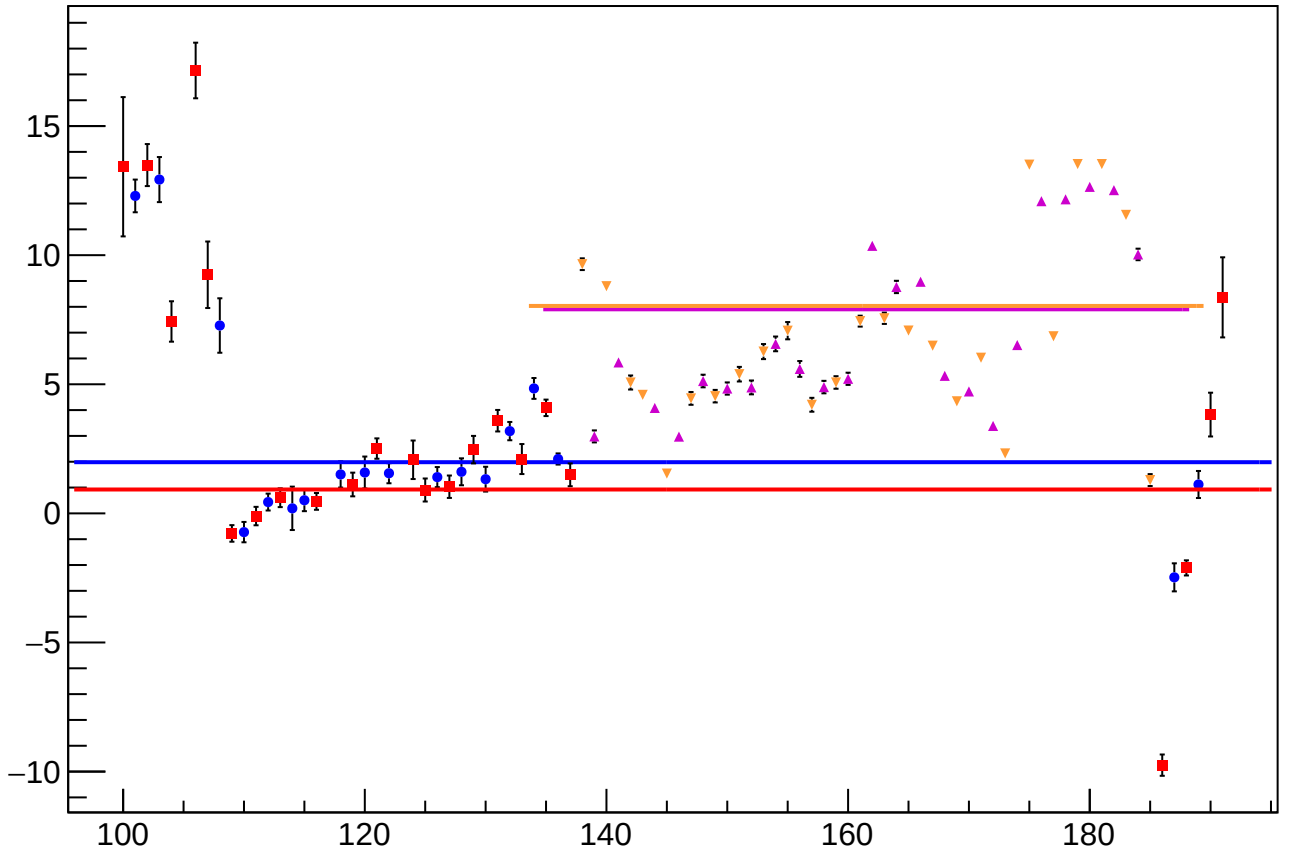
Right Out: -0.201+/-0.025 χ^2/NDF: 1440.9/22

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: 5739.0/88

- sign 0.144+/-0.006 χ^2/NDF: 3556.6/45



Right In: 1.982+/-0.101 χ^2/NDF: 673.1/17

Left Out: 8.034+/-0.035 χ^2/NDF:13924.1/24

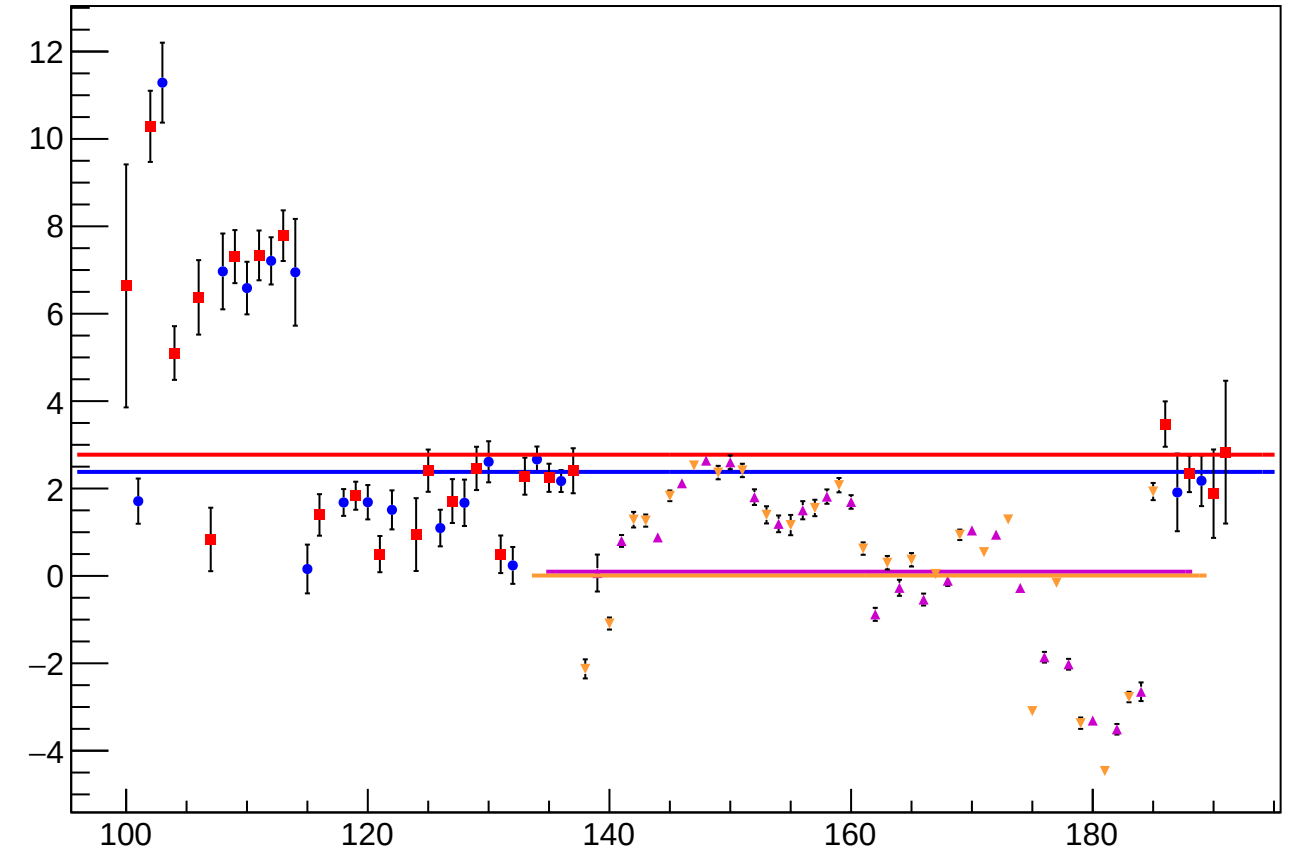
Right Out: 0.925+/-0.096 χ^2/NDF: 1620.7/22

Left In: 7.903+/-0.036 χ^2/NDF:10017.8/22

+ sign 7.396+/-0.033 χ^2/NDF: 17800.0/42

All: 7.225+/-0.023 χ^2/NDF: 34158.6/88

- sign 7.046+/-0.034 χ^2/NDF: 16303.1/45



Right In: 2.380+/-0.106 χ^2/NDF: 334.3/17

Left Out: 0.009+/-0.027 χ^2/NDF:5761.2/24

Right Out: 2.774+/-0.108 χ^2/NDF: 414.7/22

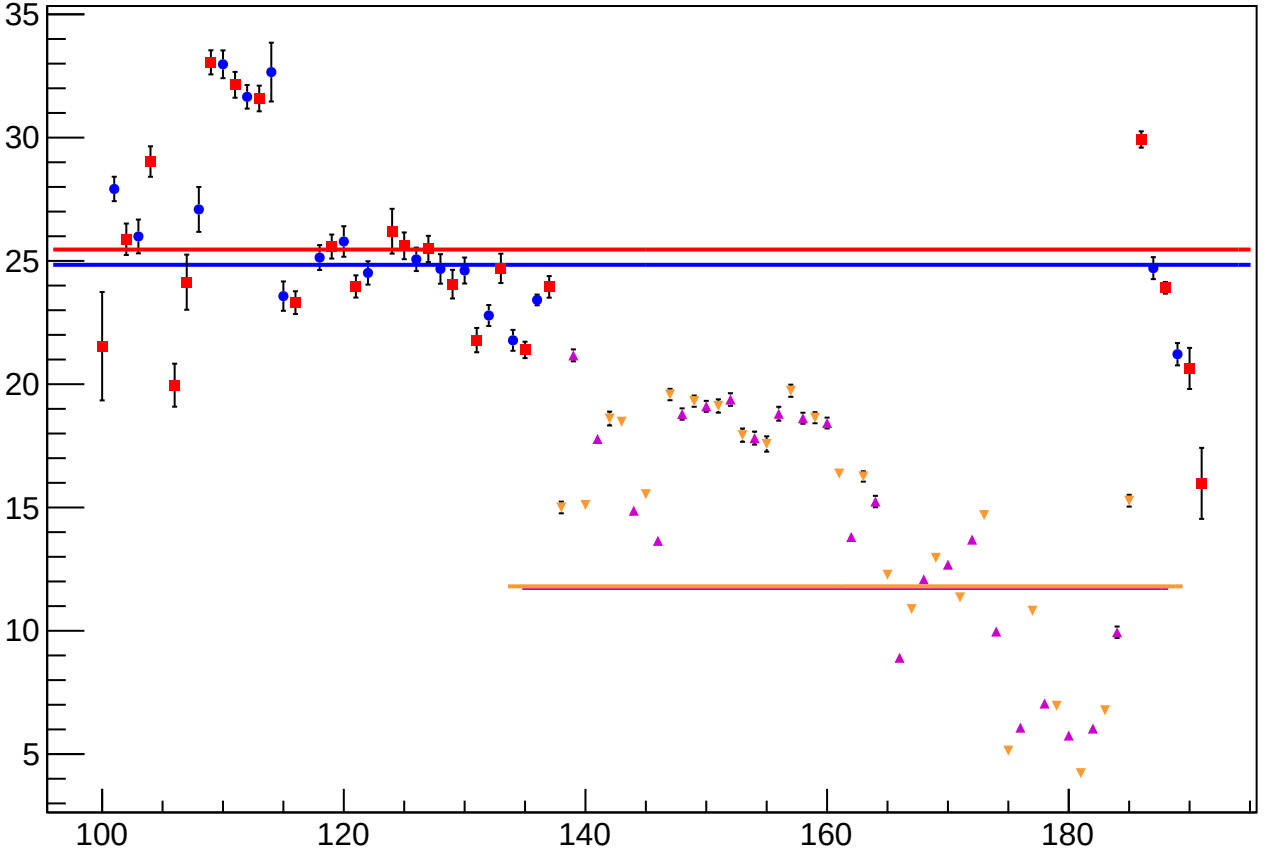
Left In: 0.096+/-0.028 χ^2/NDF:4433.3/22

+ sign 0.159+/-0.027 χ^2/NDF: 6566.8/42

All: 0.211+/-0.019 χ^2/NDF: 11995.7/88

- sign 0.265+/-0.027 χ^2/NDF: 5421.1/45

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: 25.461+/-0.103 χ^2/NDF: 1179.1/22

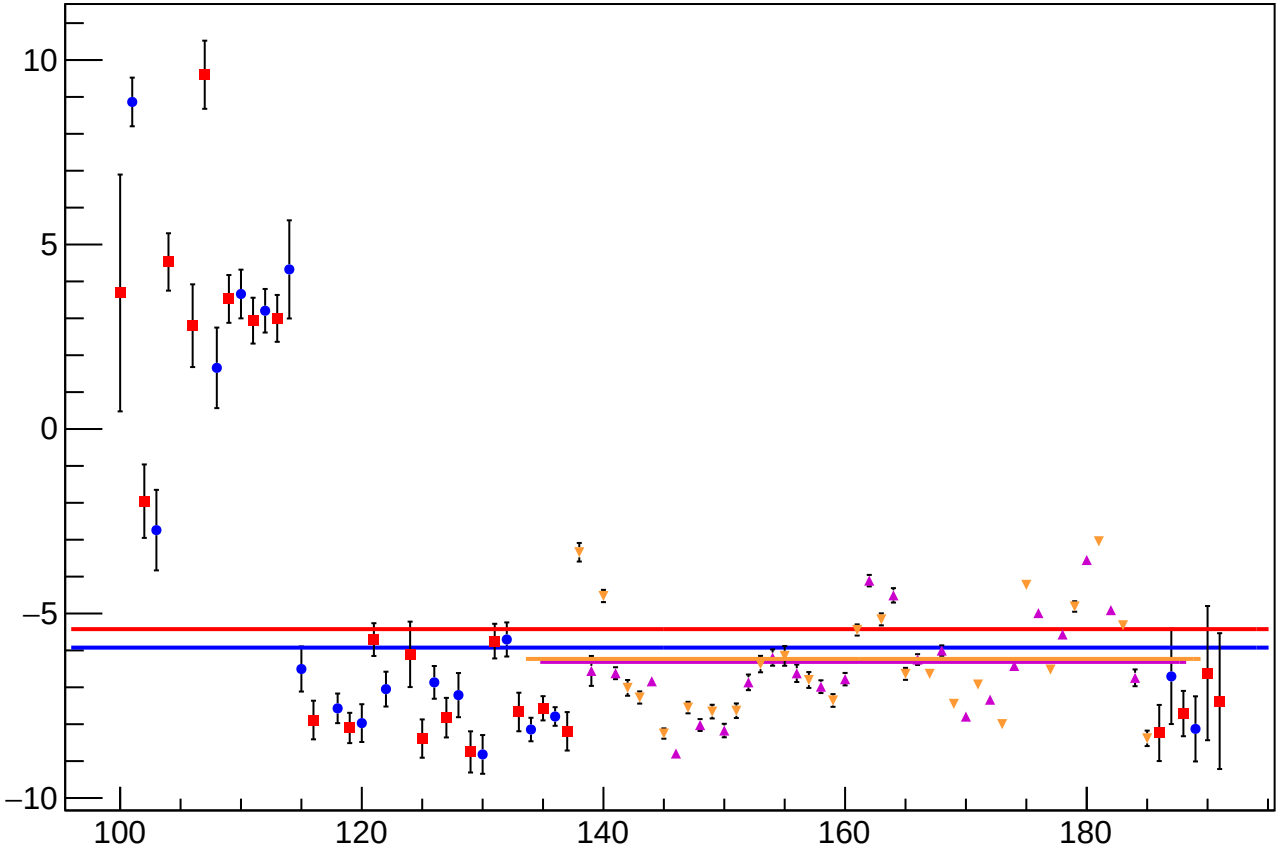
Left In: 11.735+/-0.036 χ^2/NDF:17999.5/22

+ sign 12.987+/-0.033 χ^2/NDF: 34895.8/42

All: 13.096+/-0.024 χ^2/NDF: 69888.7/88

- sign 13.210+/-0.034 χ^2/NDF: 34970.7/45

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -5.924+/-0.119 χ^2/NDF: 1258.2/17

Left Out: -6.231+/-0.031 χ^2/NDF:2450.1/24

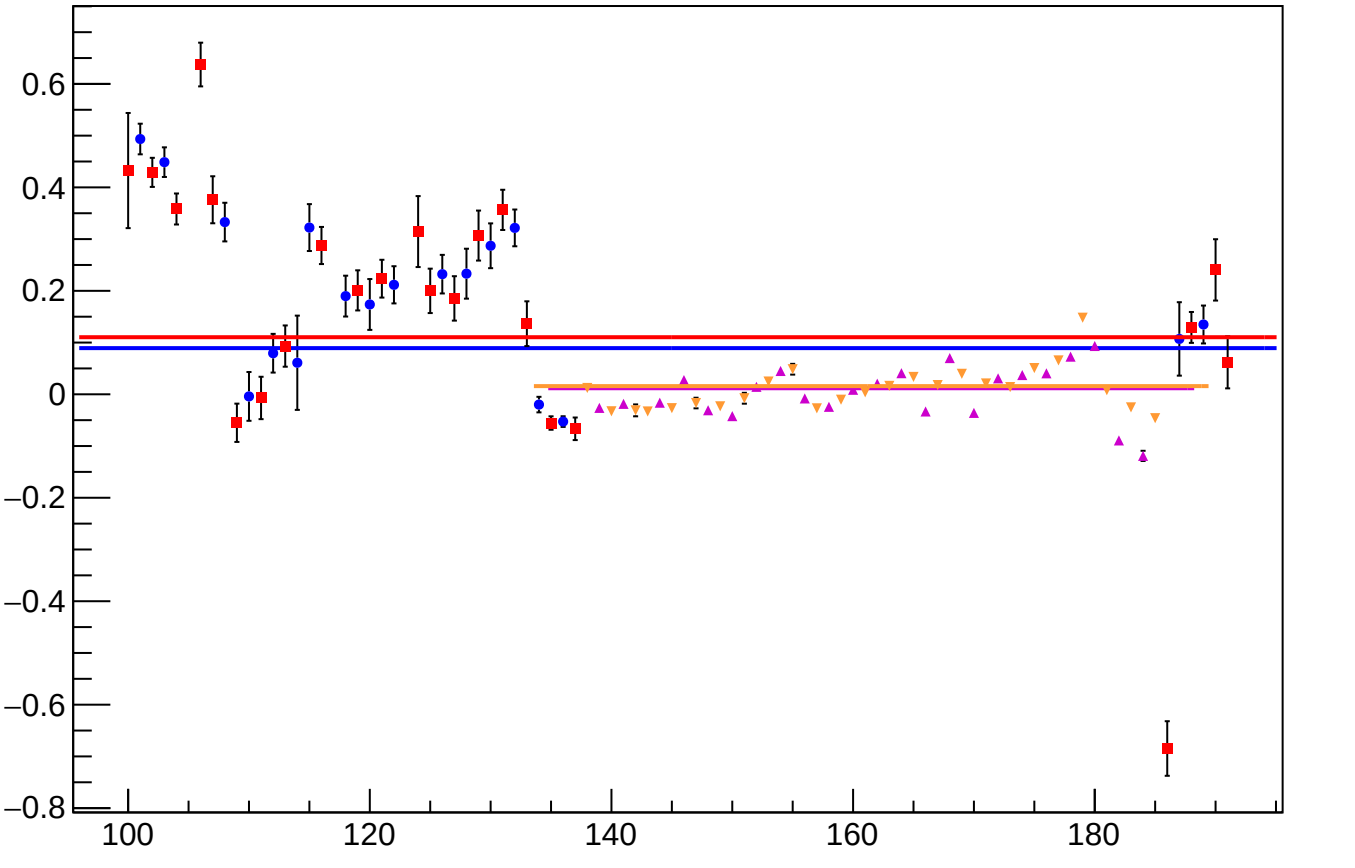
Right Out: -5.423+/-0.124 χ^2/NDF: 1323.5/22

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: 7117.1/88

- sign -6.258+/-0.030 χ^2/NDF: 3401.5/45



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: 0.110+/-0.007 χ^2/NDF: 998.8/22

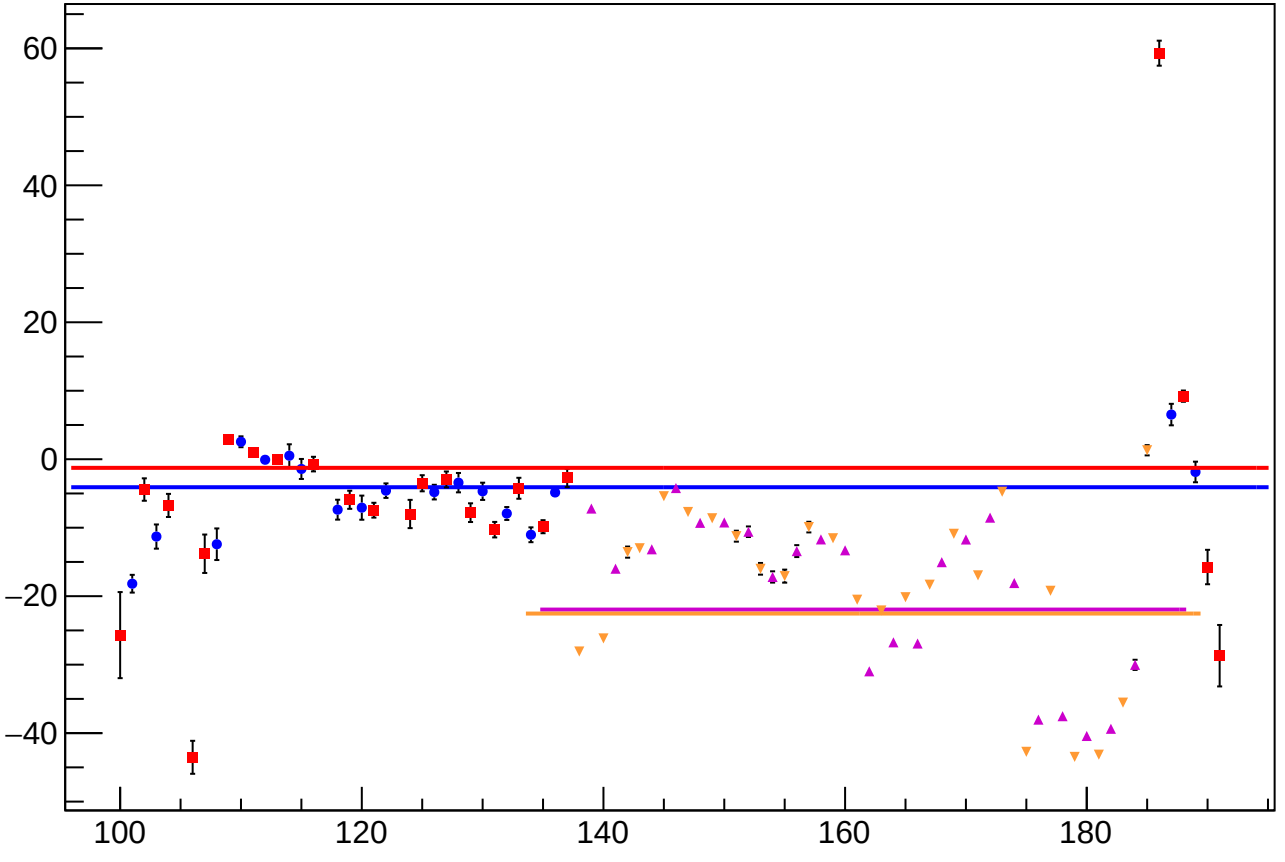
Left In: 0.012+/-0.001 χ^2/NDF:1297.5/22

+ sign 0.019+/-0.001 χ^2/NDF: 1826.7/42

All: 0.017+/-0.001 χ^2/NDF: 4320.3/88

- sign 0.016+/-0.001 χ^2/NDF: 2490.5/45

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: -1.259+/-0.245 χ^2/NDF: 1977.8/22

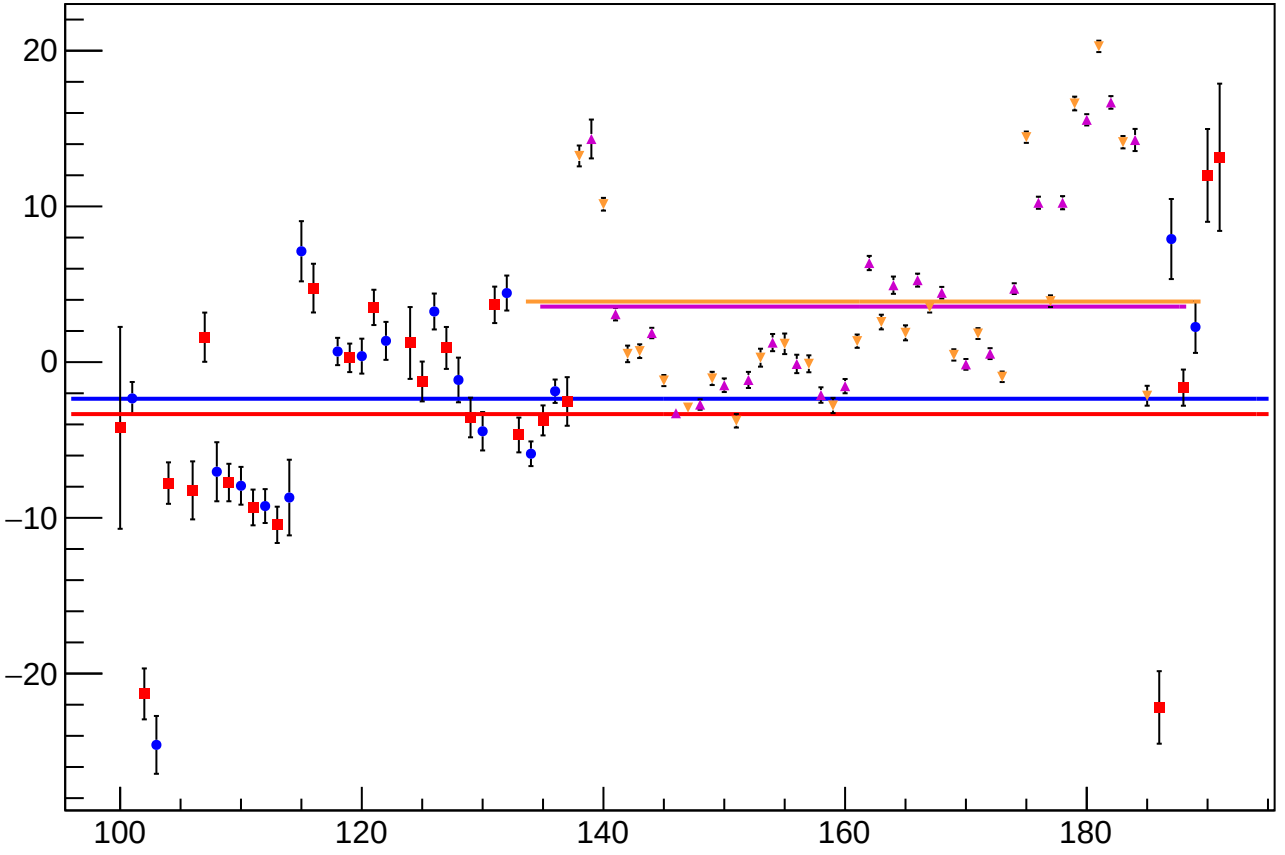
Left In: -21.957+/-0.111 χ^2/NDF:12585.3/22

+ sign -19.829+/-0.100 χ^2/NDF: 21198.5/42

All: -19.133+/-0.071 χ^2/NDF: 41787.2/88

- sign -18.418+/-0.101 χ^2/NDF: 20490.2/45

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: -3.337+/-0.285 χ^2/NDF: 465.8/22

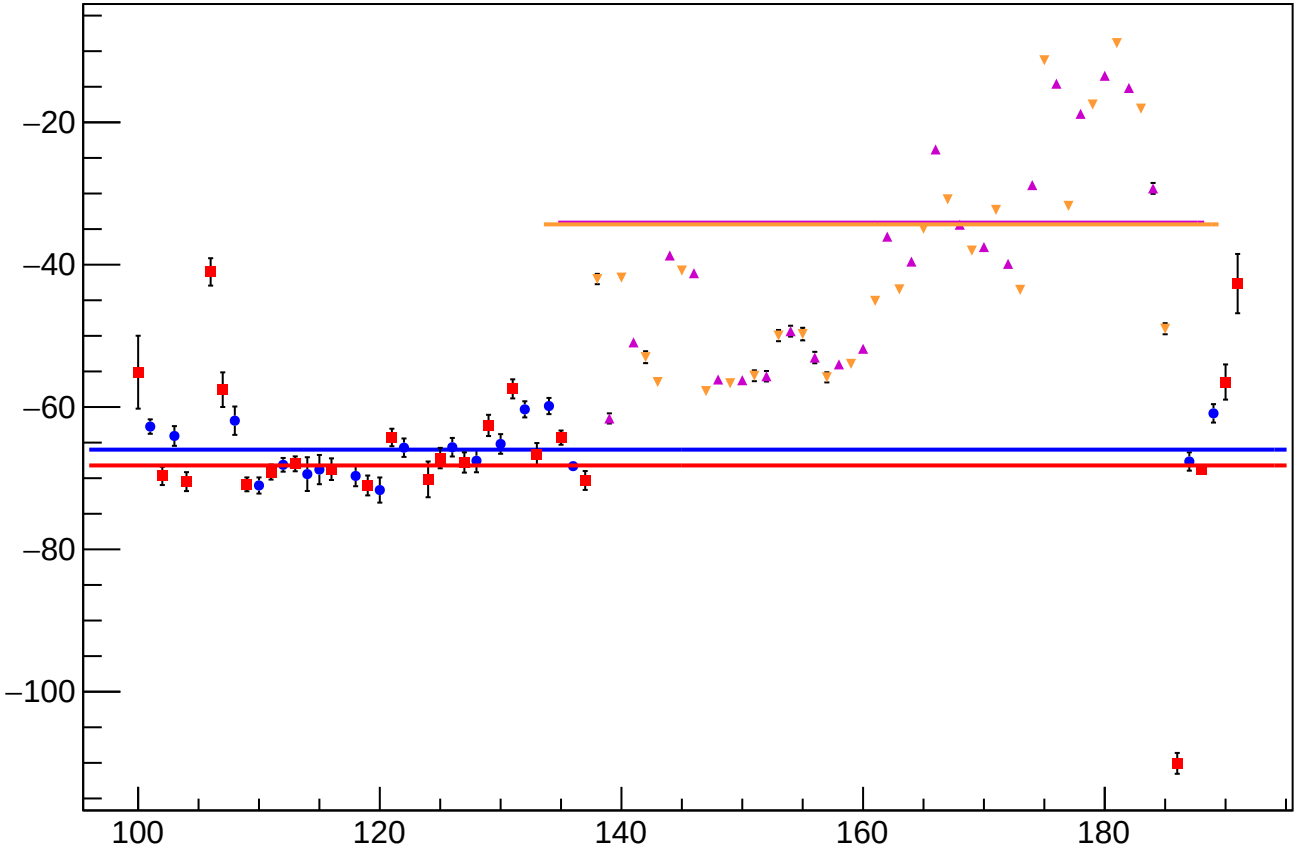
Left In: 3.565+/-0.086 χ^2/NDF:4739.4/22

+ sign 3.373+/-0.081 χ^2/NDF: 7556.6/42

All: 3.185+/-0.058 χ^2/NDF: 13309.3/88

- sign 2.988+/-0.083 χ^2/NDF: 5741.7/45

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



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: -68.209+/-0.275 χ^2/NDF: 1226.5/22

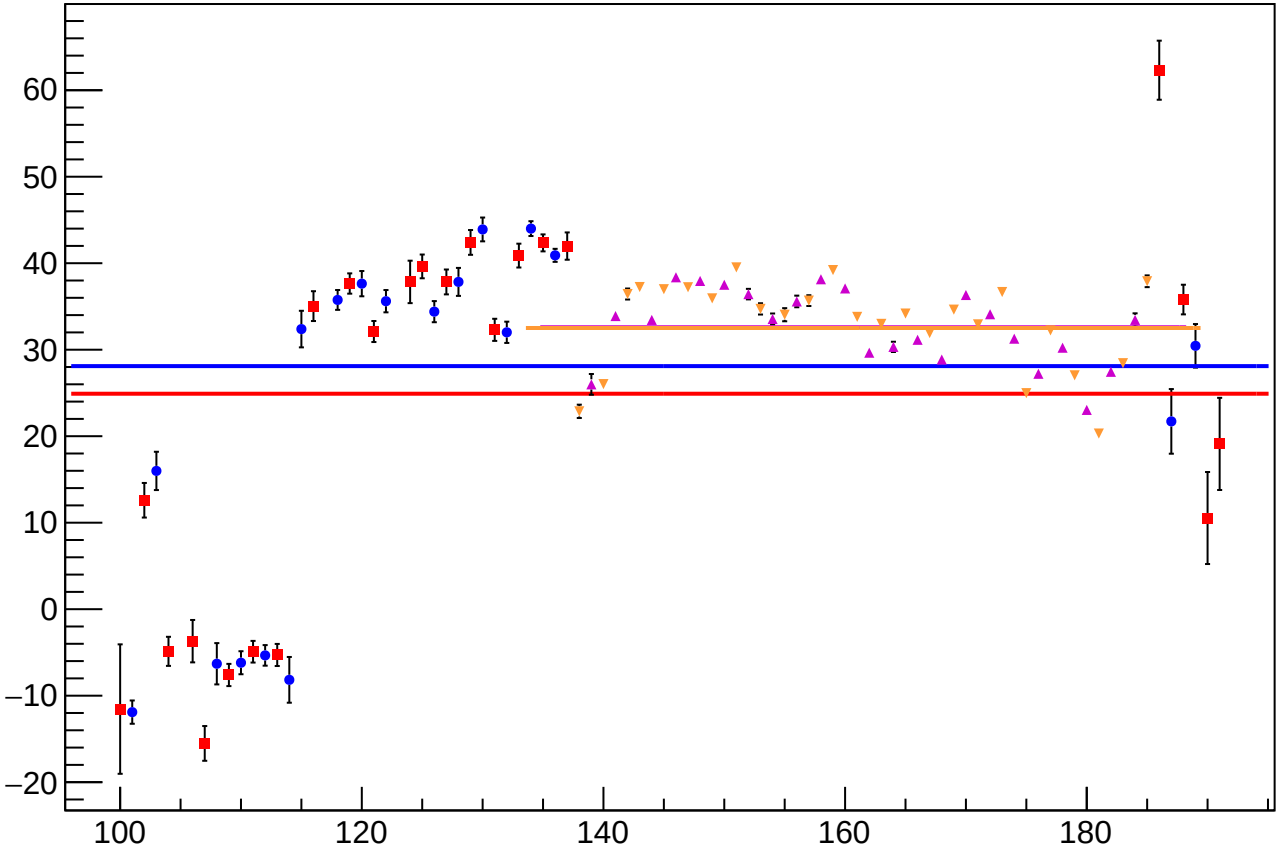
Left In: -34.091+/-0.111 χ^2/NDF:17726.5/22

+ sign -38.236+/-0.101 χ^2/NDF: 31884.7/42

All: -38.544+/-0.072 χ^2/NDF: 64077.9/88

- sign -38.861+/-0.103 χ^2/NDF: 32174.5/45

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



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: 24.911+/-0.327 χ^2/NDF: 4014.8/22

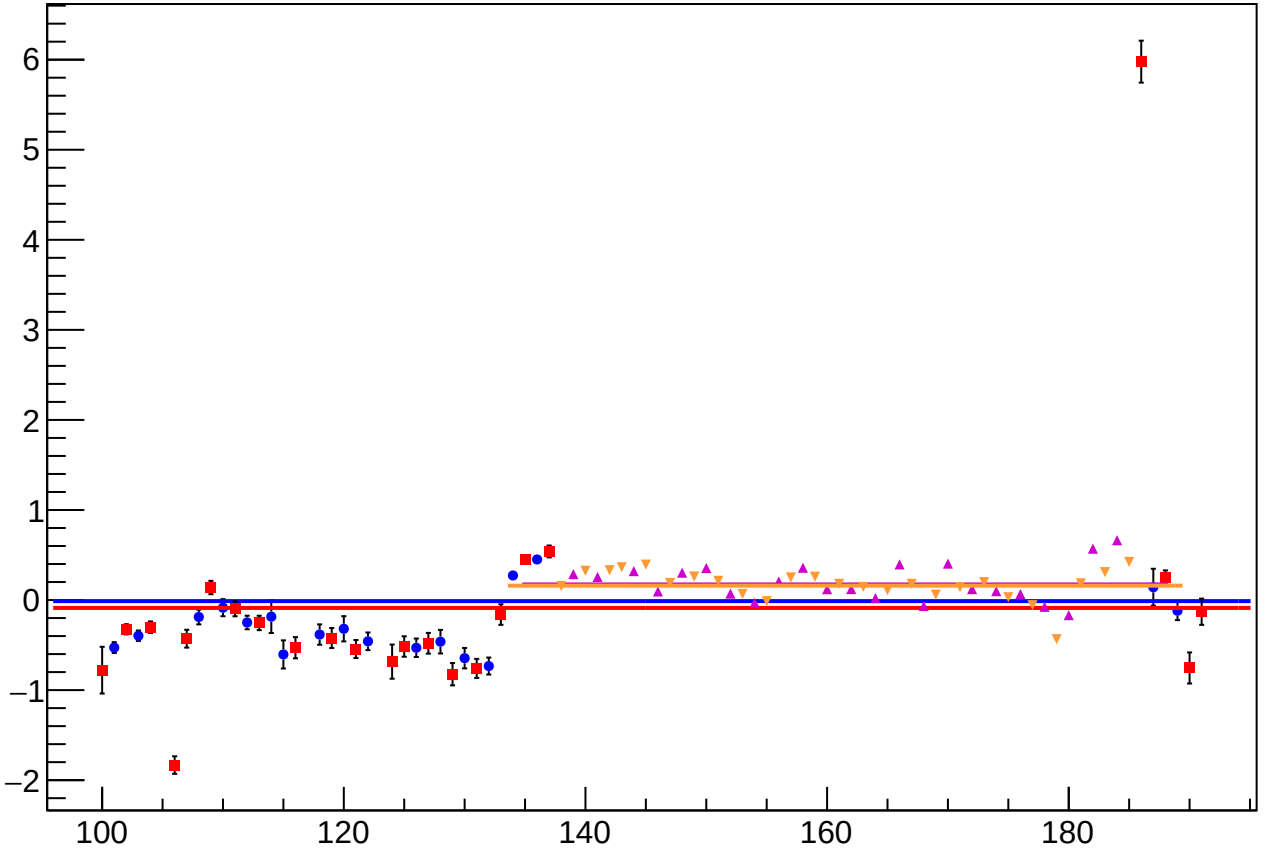
Left In: 32.598+/-0.097 χ^2/NDF:2012.9/22

+ sign 32.149+/-0.091 χ^2/NDF: 6847.8/42

All: 32.066+/-0.065 χ^2/NDF: 13386.7/88

- sign 31.978+/-0.093 χ^2/NDF: 6537.1/45

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



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: -0.087+/-0.018 χ^2/NDF: 1534.2/22

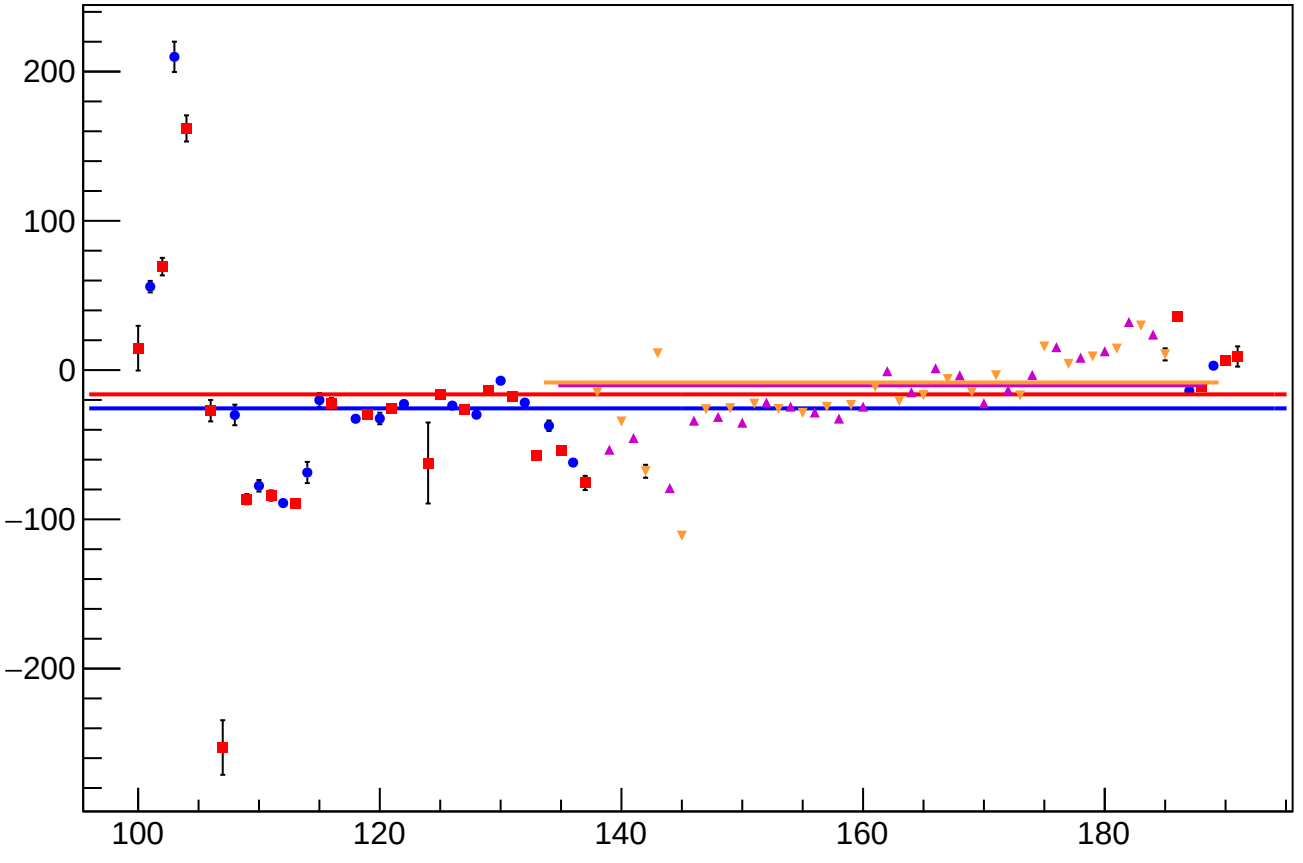
Left In: 0.173+/-0.004 χ^2/NDF:2129.7/22

+ sign 0.150+/-0.004 χ^2/NDF: 2297.5/42

All: 0.154+/-0.003 χ^2/NDF: 6160.9/88

- sign 0.159+/-0.004 χ^2/NDF: 3860.9/45

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: -16.266+/-0.618 χ^2/NDF: 3935.5/22

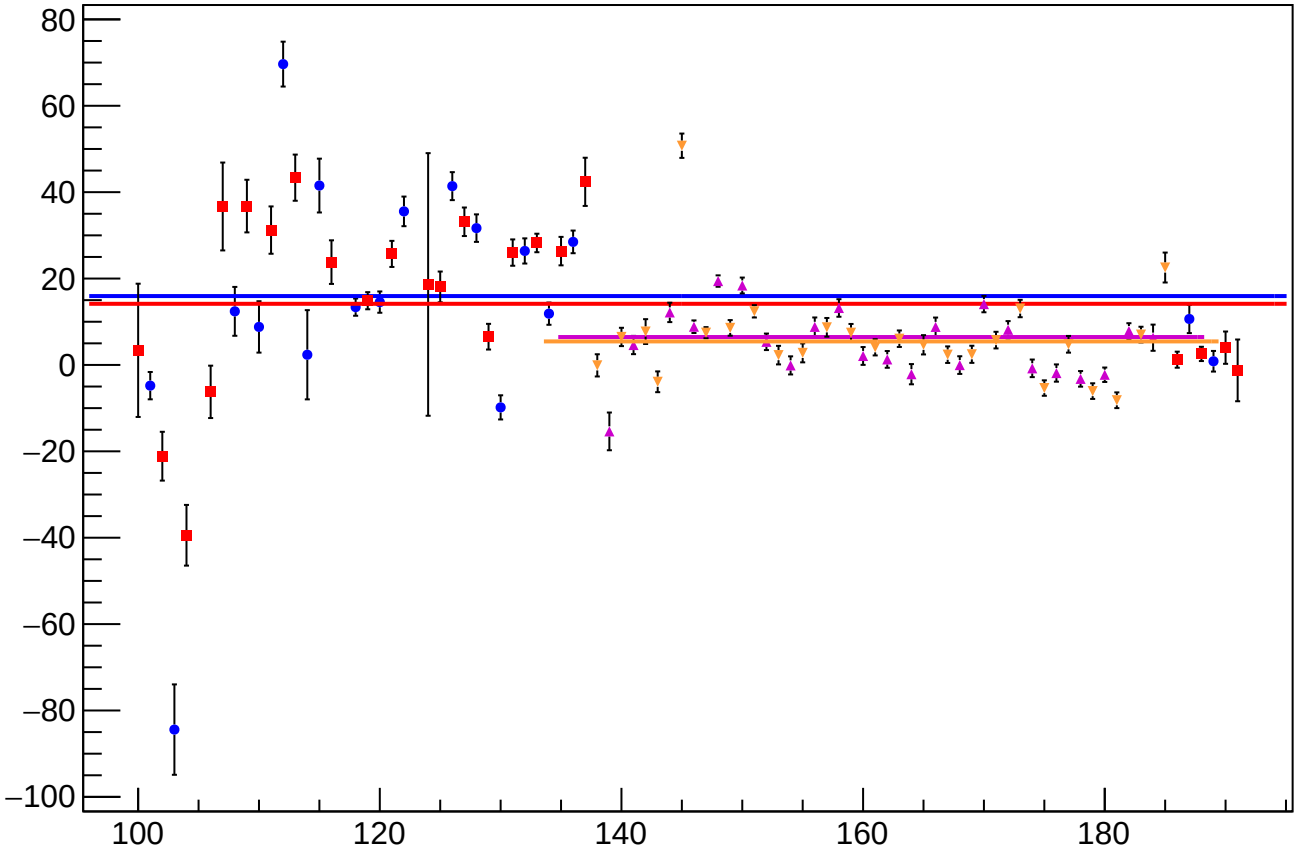
Left In: -10.183+/-0.526 χ^2/NDF:2518.4/22

+ sign -14.037+/-0.420 χ^2/NDF: 5084.8/42

All: -13.357+/-0.290 χ^2/NDF: 11599.9/88

- sign -12.739+/-0.401 χ^2/NDF: 6510.1/45

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: 14.153+/-0.695 χ^2/NDF: 433.9/22

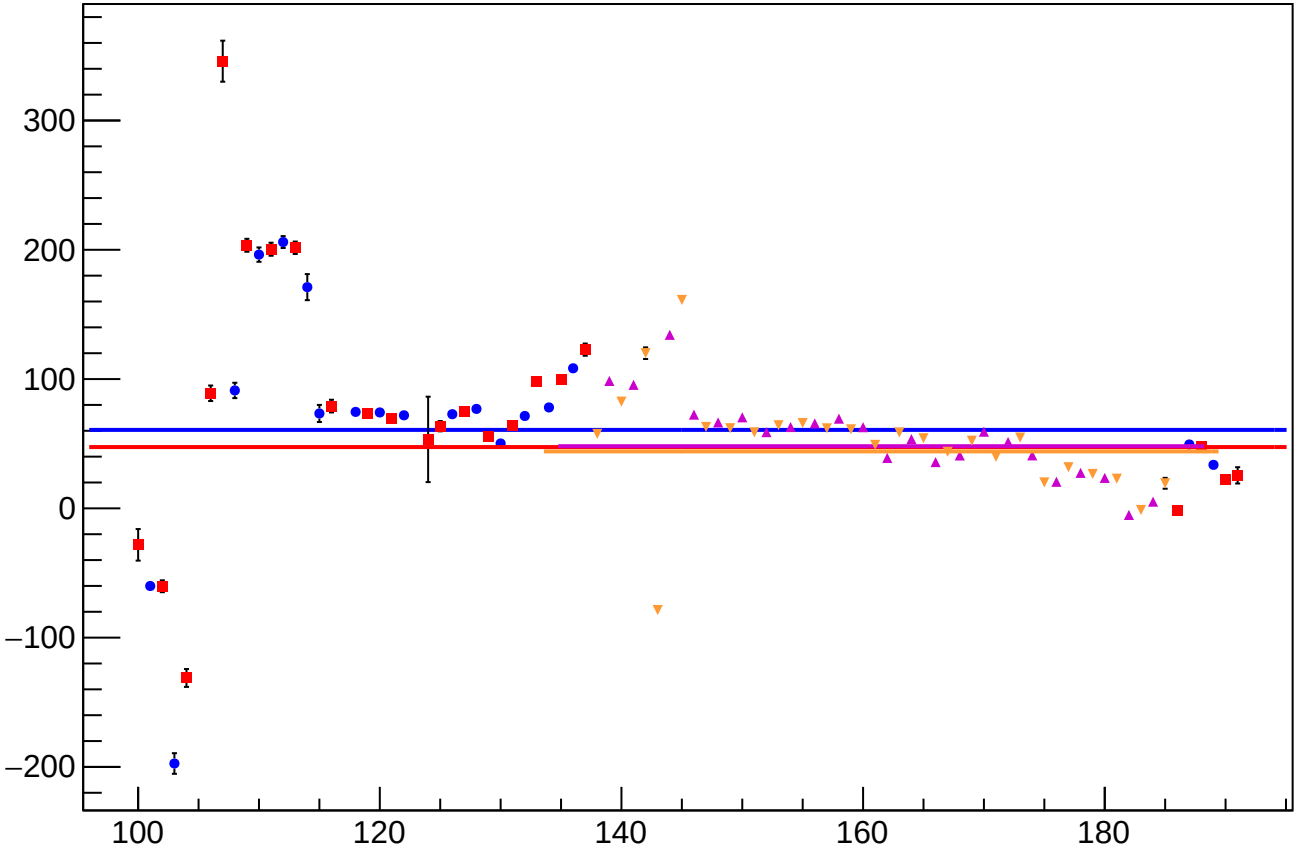
Left In: 6.461+/-0.408 χ^2/NDF:336.0/22

+ sign 7.684+/-0.349 χ^2/NDF: 1193.9/42

All: 8.057+/-0.248 χ^2/NDF: 2057.2/88

- sign 8.435+/-0.352 χ^2/NDF: 861.0/45

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: 47.407+/-0.582 χ^2/NDF: 7403.7/22

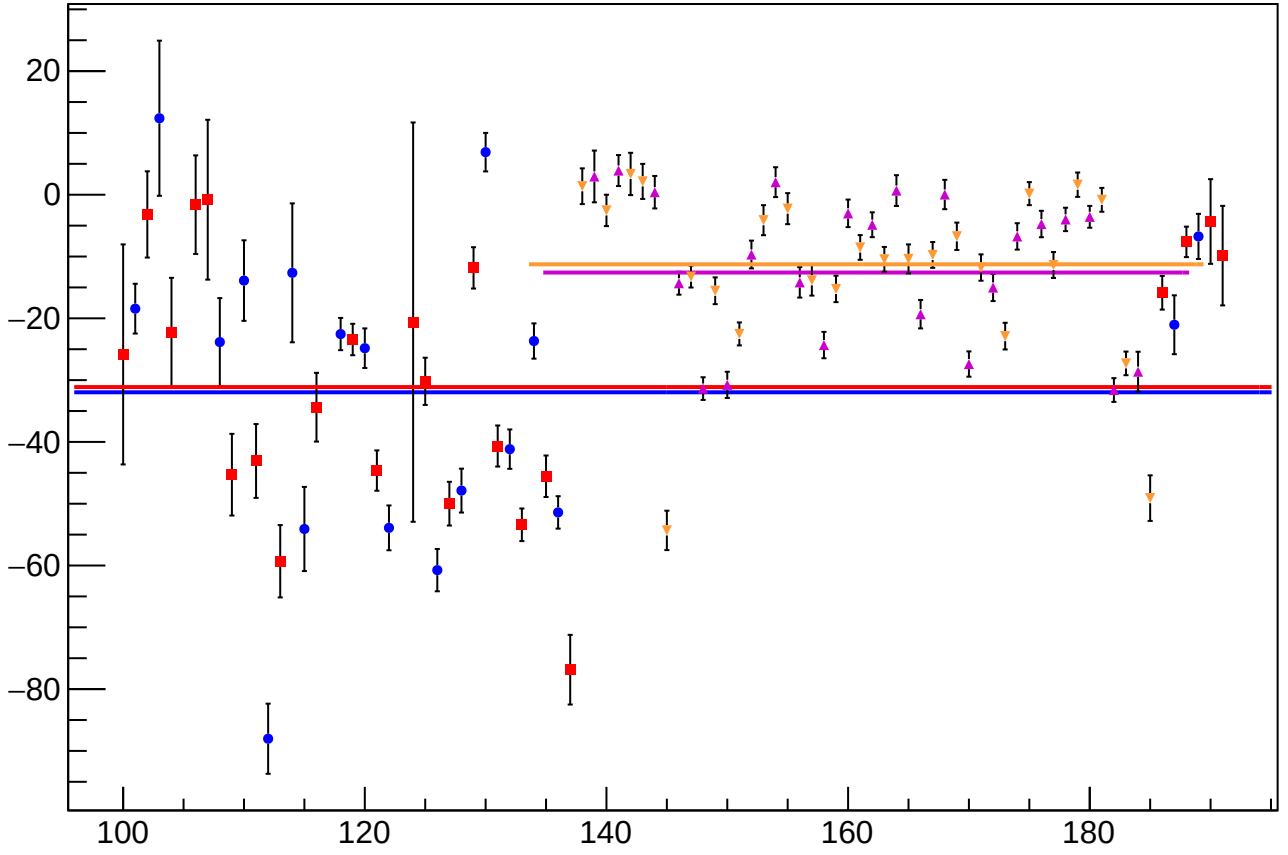
Left In: 48.076+/-0.521 χ^2/NDF:3376.5/22

+ sign 49.397+/-0.420 χ^2/NDF: 10128.8/42

All: 48.525+/-0.285 χ^2/NDF: 20917.7/88

- sign 47.779+/-0.388 χ^2/NDF: 10781.0/45

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: -31.124+/-0.861 χ^2/NDF: 464.9/22

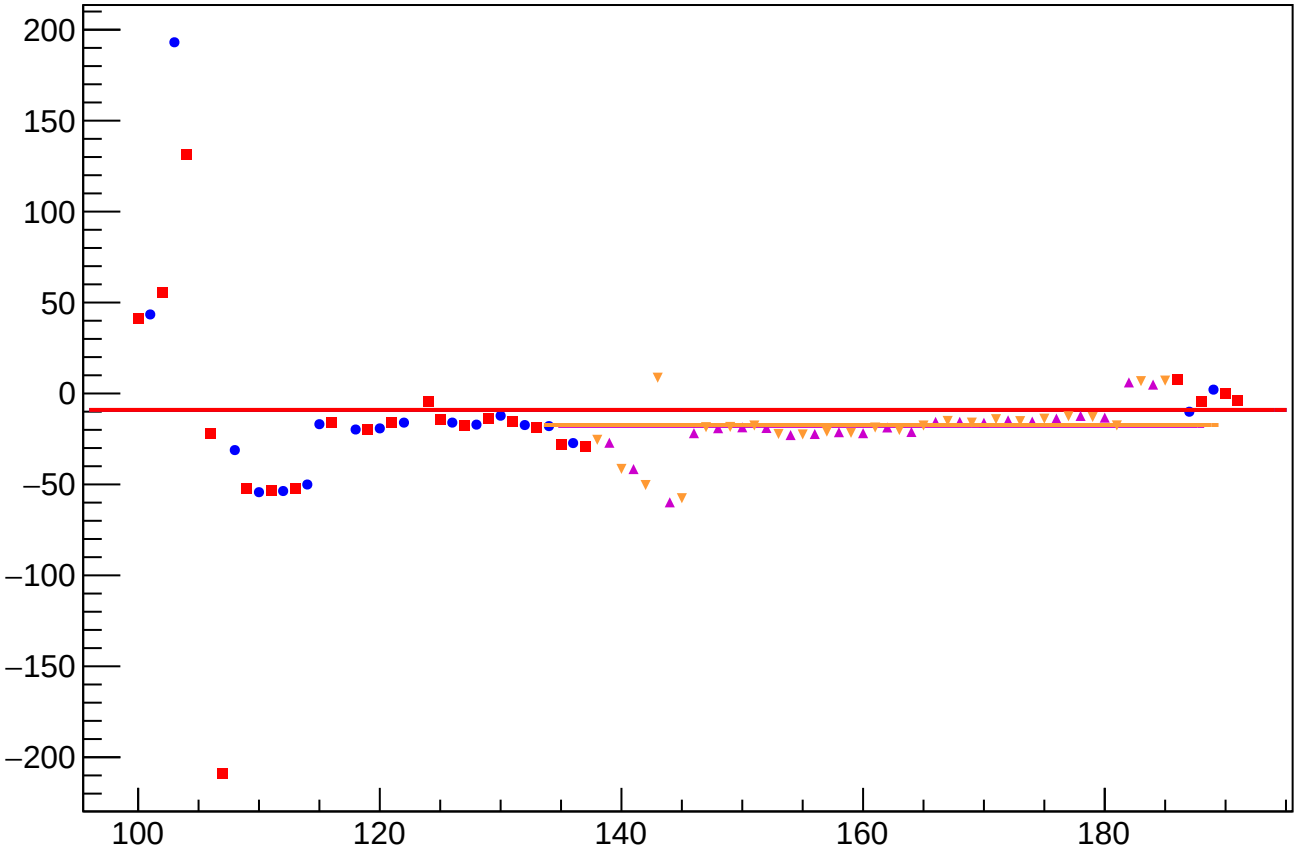
Left In: -12.589+/-0.459 χ^2/NDF:671.8/22

+ sign -15.356+/-0.398 χ^2/NDF: 1641.0/42

All: -16.011+/-0.284 χ^2/NDF: 3144.0/88

- sign -16.687+/-0.405 χ^2/NDF: 1497.5/45

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: -9.036+/-0.051 χ^2/NDF: 464950.6/22

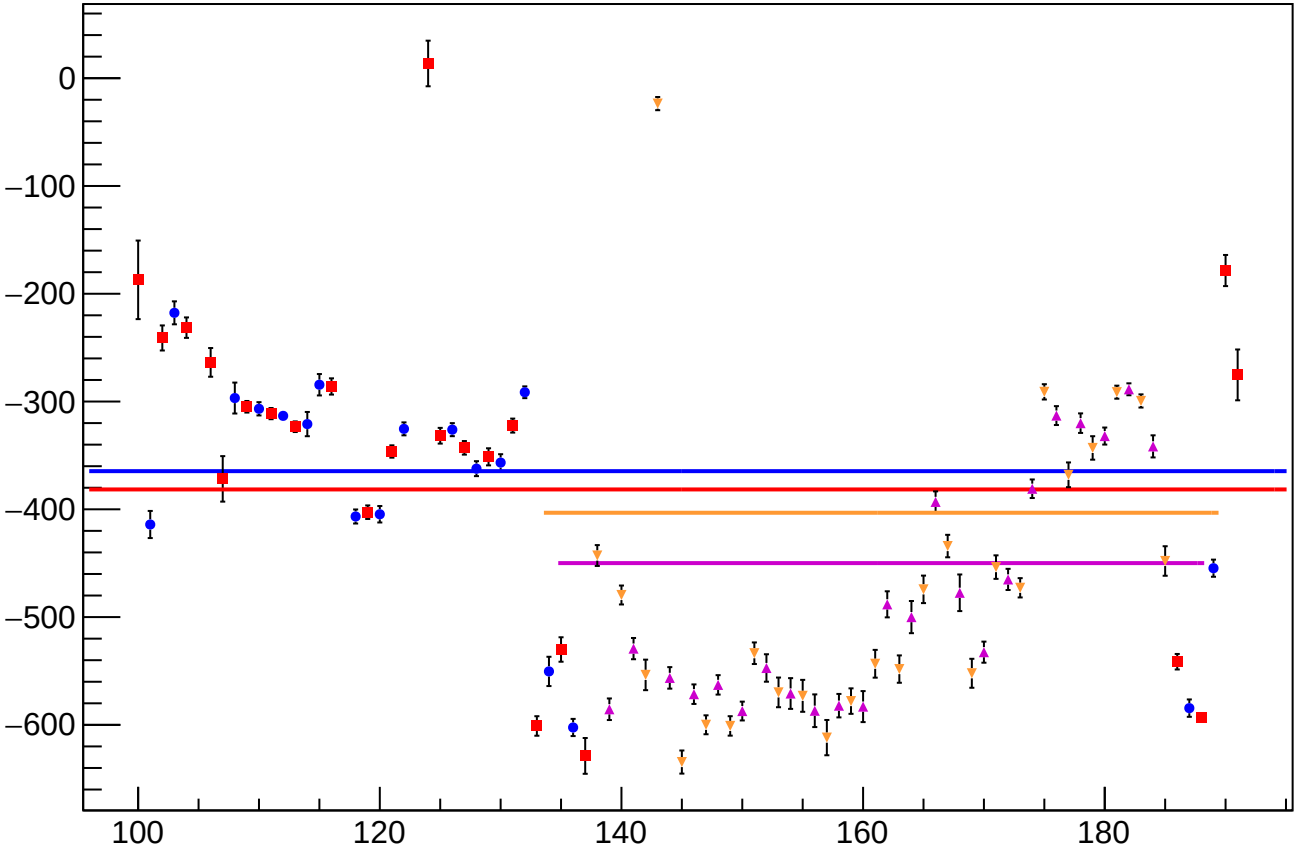
Left In: -17.829+/-0.020 χ^2/NDF:267426.0/22

+ sign -16.289+/-0.019 χ^2/NDF: 896947.9/42

All: -16.456+/-0.013 χ^2/NDF: 1655195.1/88

- sign -16.626+/-0.019 χ^2/NDF: 758086.6/45

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: -381.565+/-1.575 χ^2/NDF: 5885.4/22

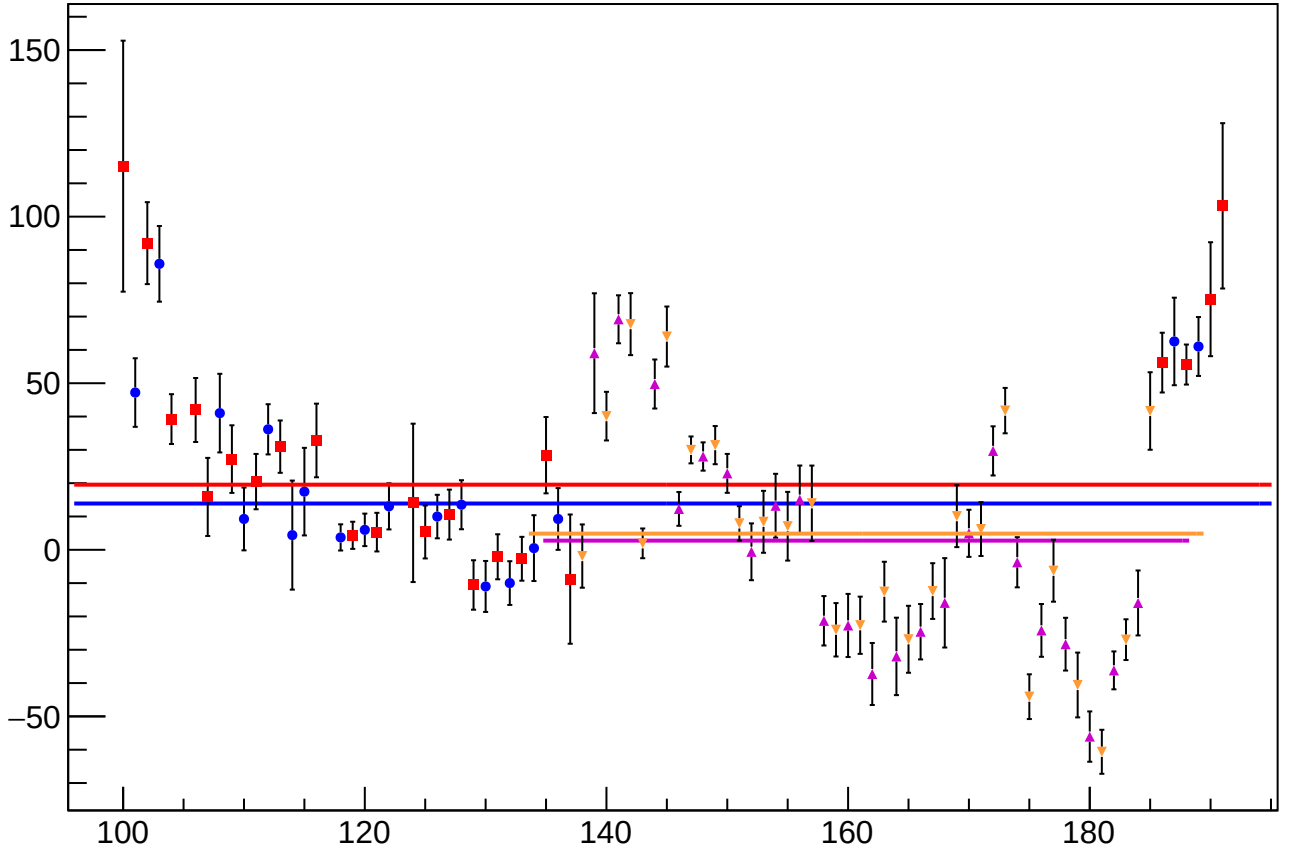
Left In: -449.912+/-2.043 χ^2/NDF:3218.9/22

+ sign -381.887+/-1.290 χ^2/NDF: 10779.0/42

All: -394.888+/-0.897 χ^2/NDF: 20781.6/88

- sign -407.038+/-1.247 χ^2/NDF: 9806.2/45

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: 19.549+/-1.725 χ^2/NDF: 198.0/22

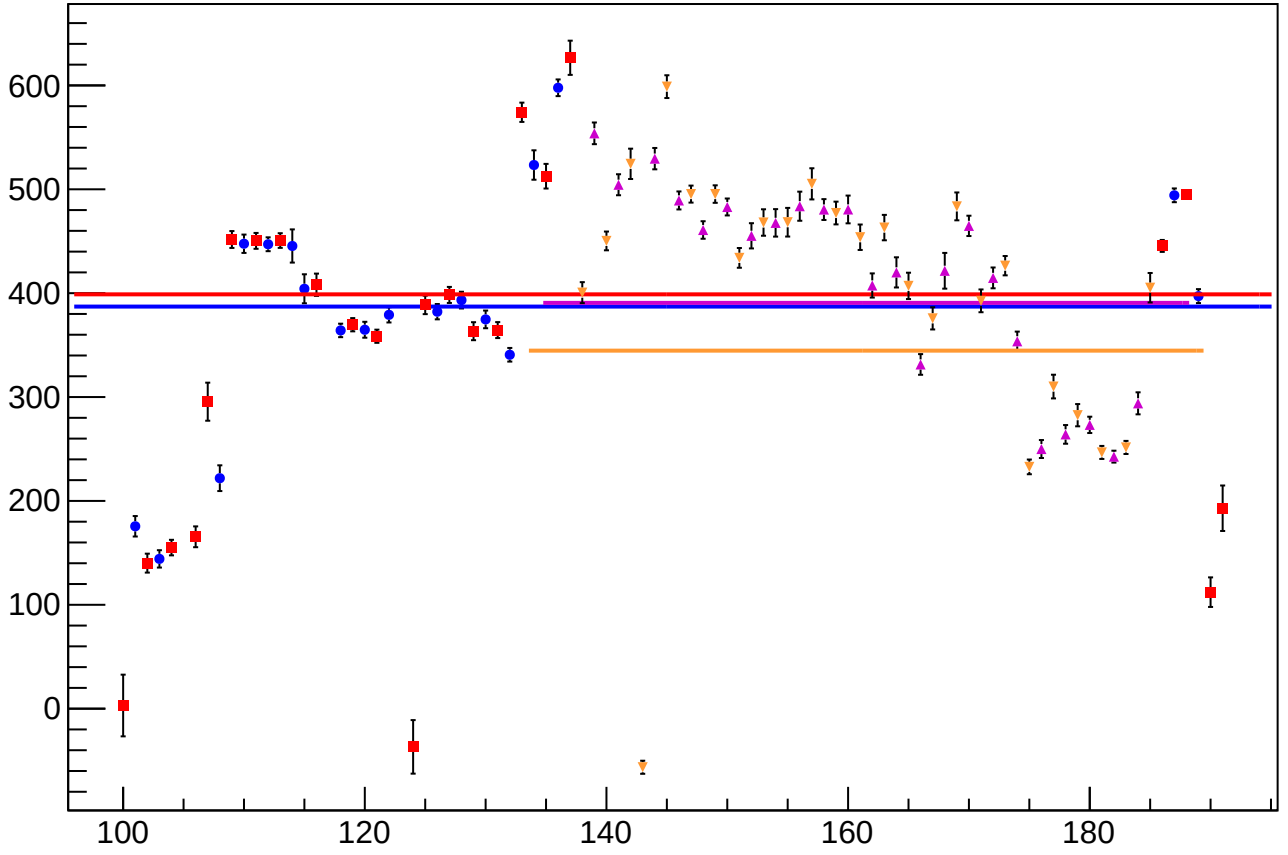
Left In: 2.756+/-1.554 χ^2/NDF:399.6/22

+ sign 8.436+/-1.125 χ^2/NDF: 615.7/42

All: 9.333+/-0.806 χ^2/NDF: 1266.9/88

- sign 10.280+/-1.155 χ^2/NDF: 649.9/45

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: 398.875+/-1.669 χ^2/NDF: 5123.0/22

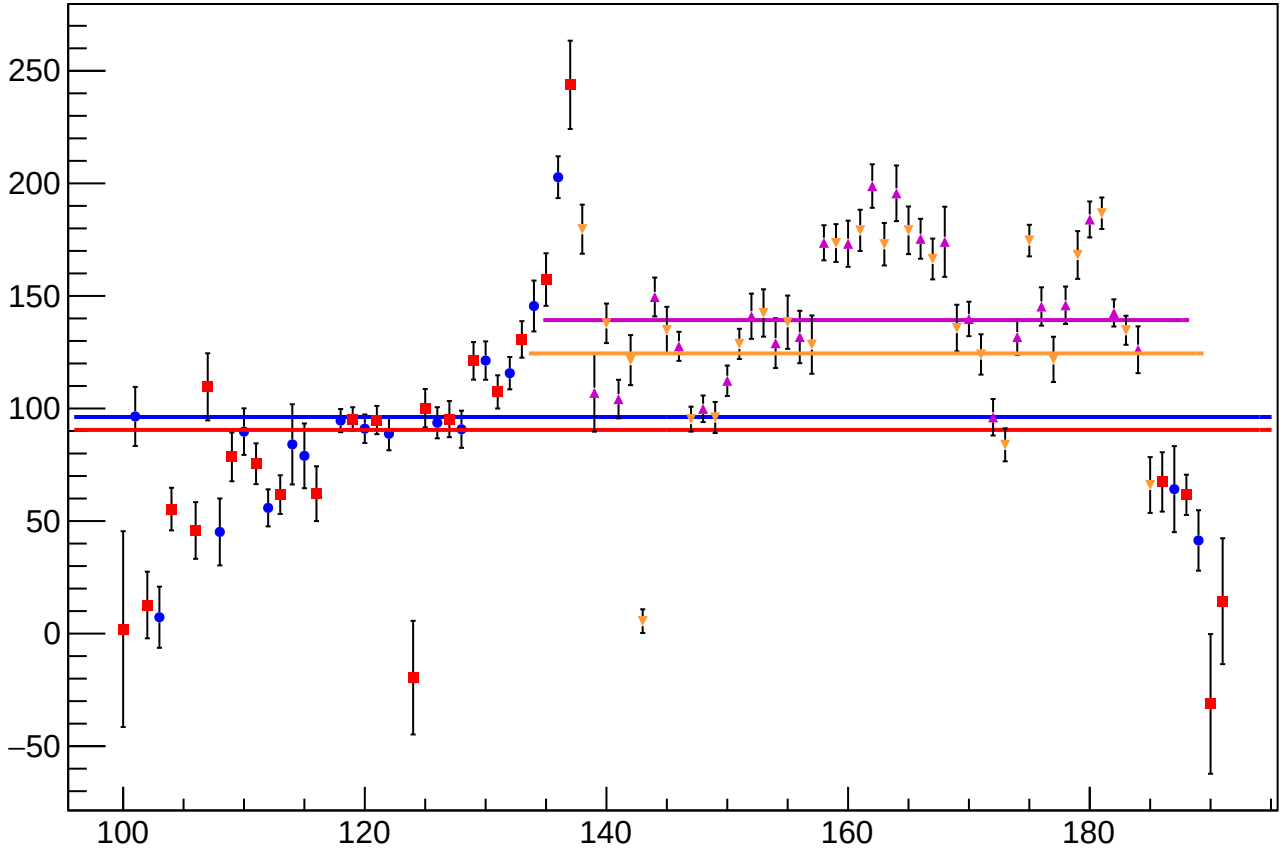
Left In: 390.672+/-2.029 χ^2/NDF:2672.8/22

+ sign 365.925+/-1.359 χ^2/NDF: 10266.1/42

All: 381.531+/-0.935 χ^2/NDF: 18322.0/88

- sign 395.565+/-1.289 χ^2/NDF: 7805.5/45

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: 90.491+/-2.044 χ^2/NDF: 275.8/22

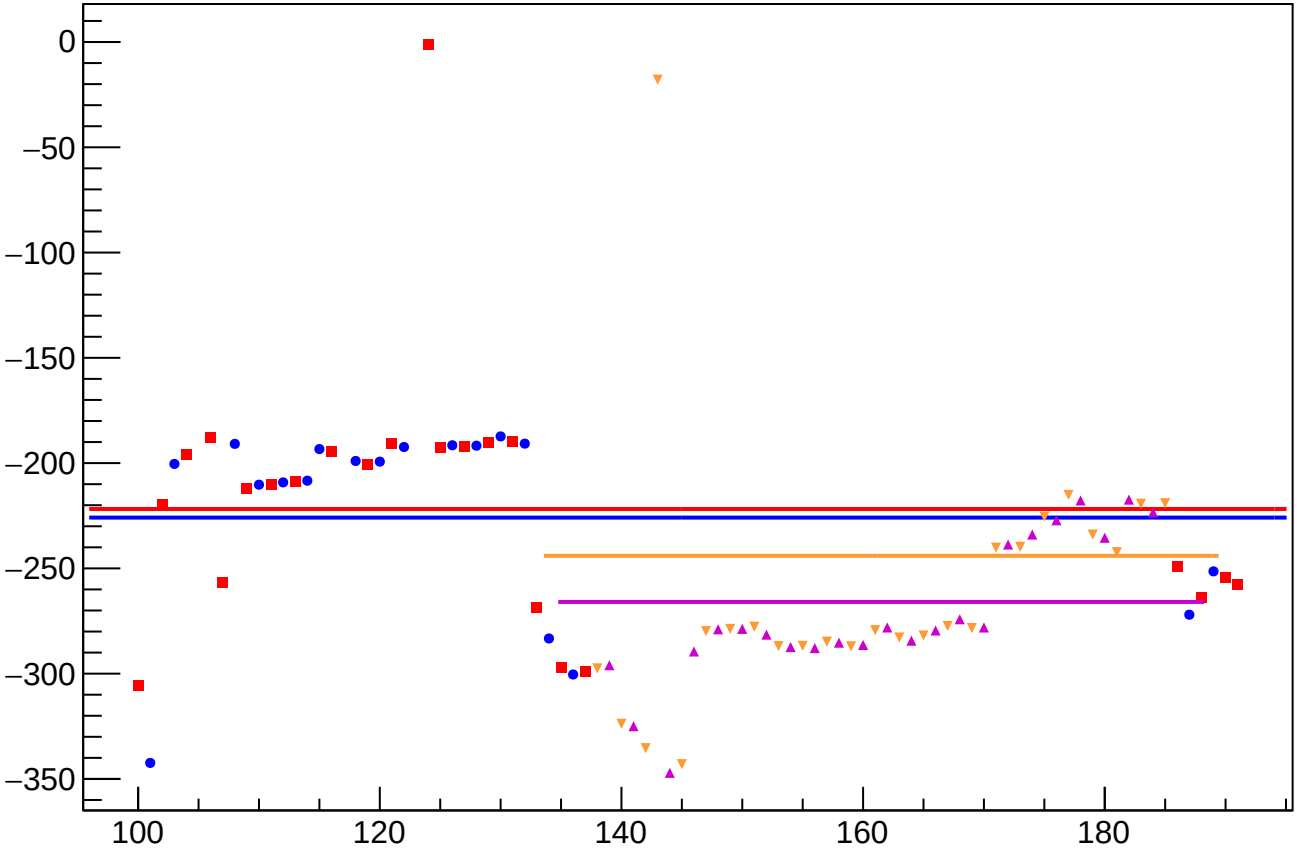
Left In: 139.274+/-1.769 χ^2/NDF:260.9/22

+ sign 113.617+/-1.304 χ^2/NDF: 1318.2/42

All: 115.939+/-0.934 χ^2/NDF: 2186.9/88

- sign 118.383+/-1.338 χ^2/NDF: 862.2/45

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: -221.784+/-0.125 χ^2/NDF: 96366.2/22

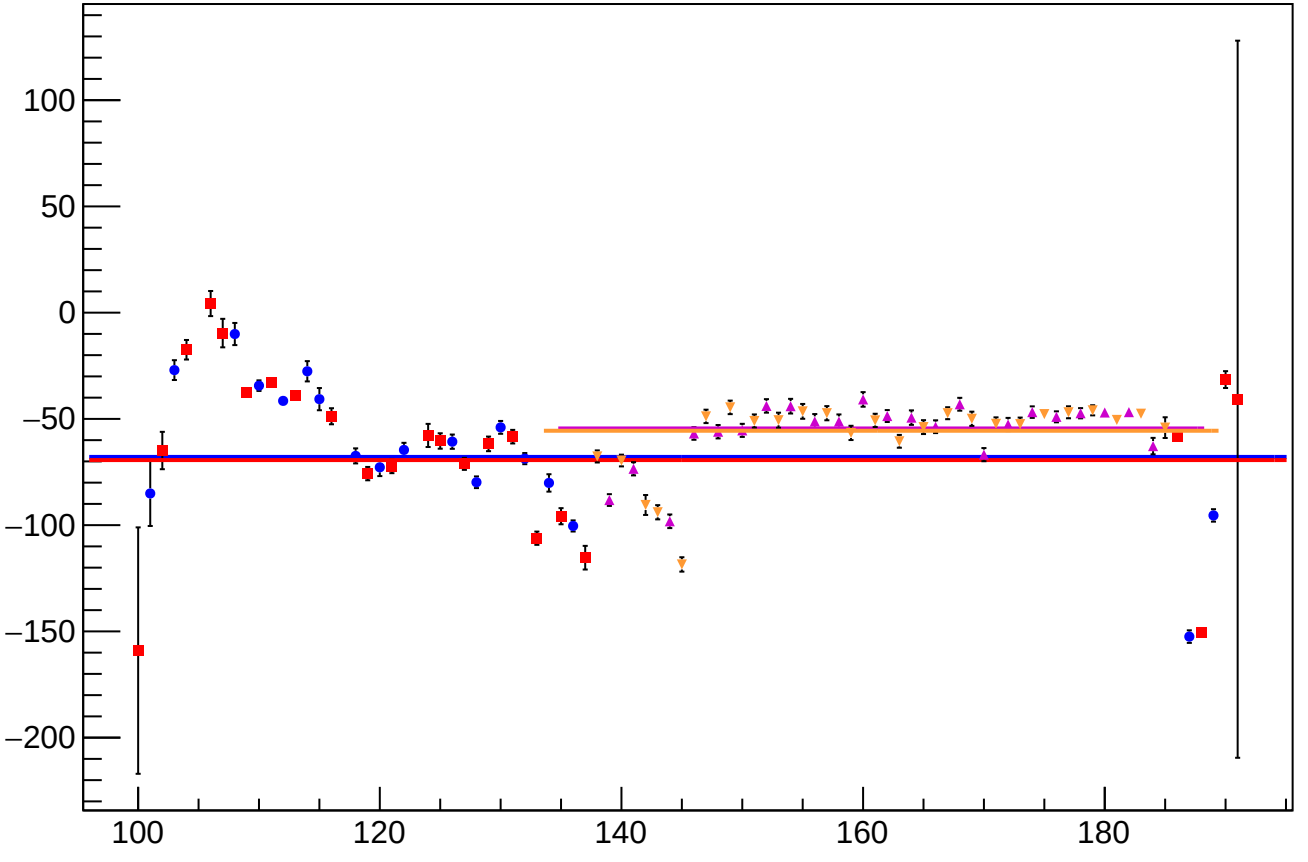
Left In: -265.945+/-0.081 χ^2/NDF:169943.2/22

+ sign -239.463+/-0.067 χ^2/NDF: 1137373.2/42

All: -246.143+/-0.048 χ^2/NDF: 1512241.4/88

- sign -252.972+/-0.068 χ^2/NDF: 354714.0/45

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: -69.377+/-0.657 χ^2/NDF: 3711.9/22

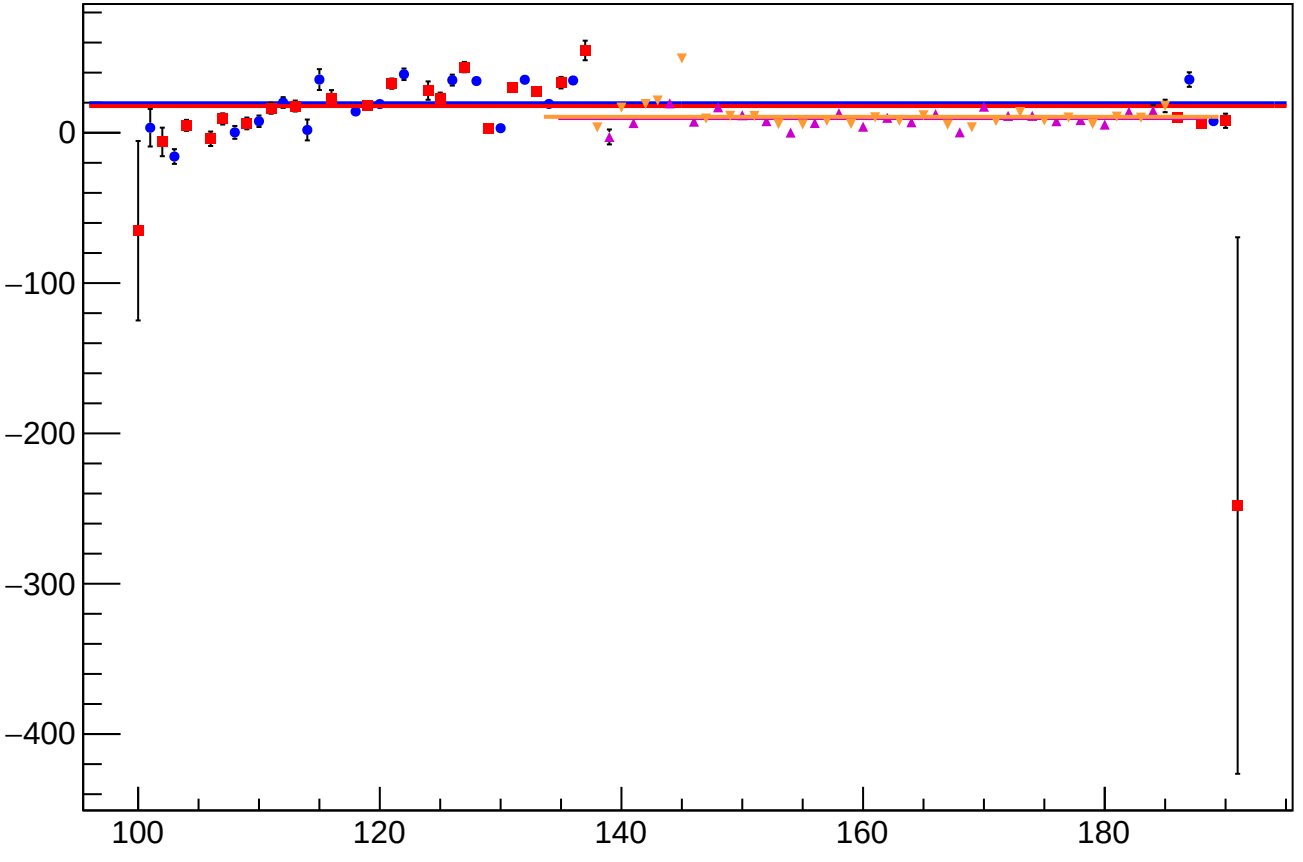
Left In: -54.499+/-0.606 χ^2/NDF:500.4/22

+ sign -60.127+/-0.468 χ^2/NDF: 2595.2/42

All: -60.765+/-0.323 χ^2/NDF: 7088.1/88

- sign -61.342+/-0.446 χ^2/NDF: 4489.3/45

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: 17.760+/-0.740 χ^2/NDF: 278.8/22

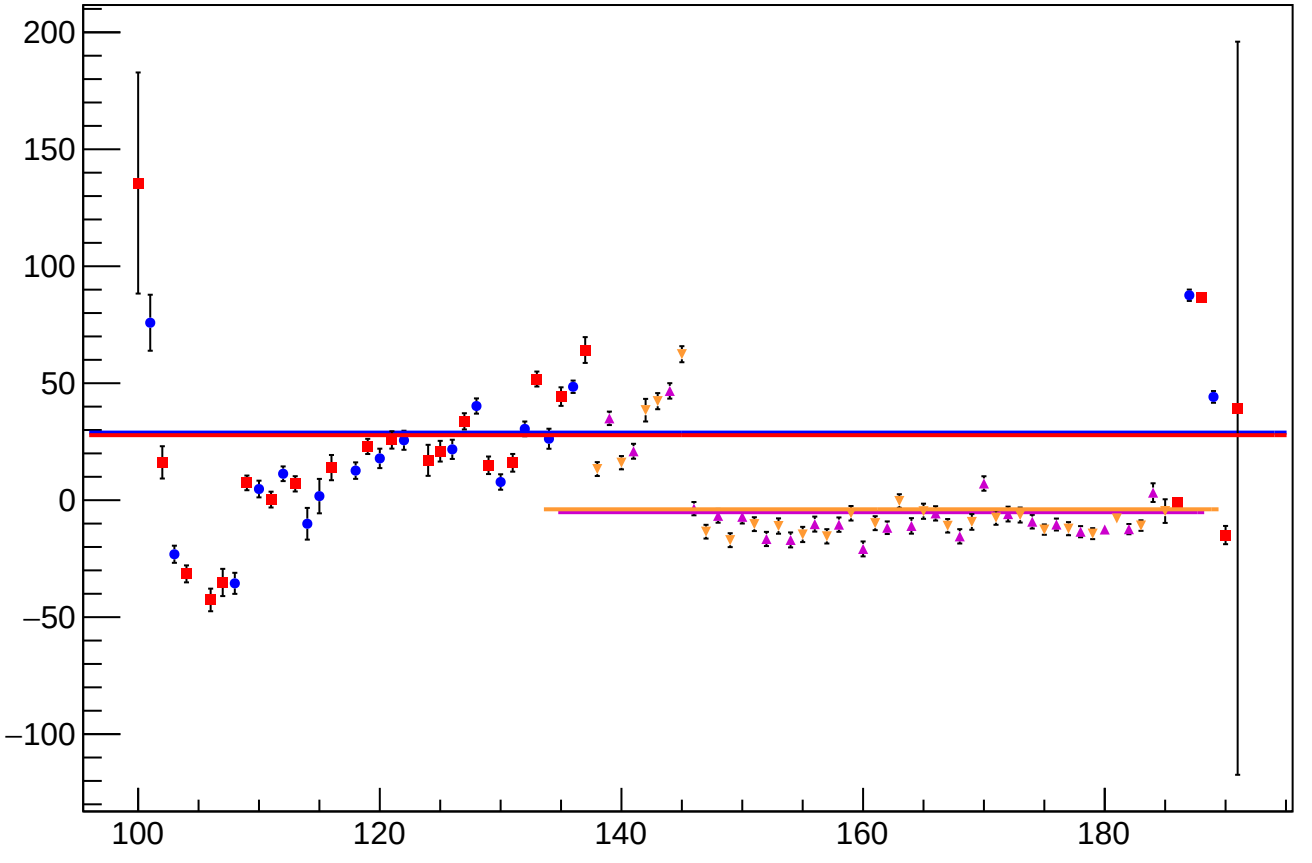
Left In: 9.765+/-0.467 χ^2/NDF:121.0/22

+ sign 12.660+/-0.395 χ^2/NDF: 618.2/42

All: 12.352+/-0.279 χ^2/NDF: 1102.8/88

- sign 12.044+/-0.395 χ^2/NDF: 483.4/45

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: 27.794+/-0.671 χ^2/NDF: 3253.4/22

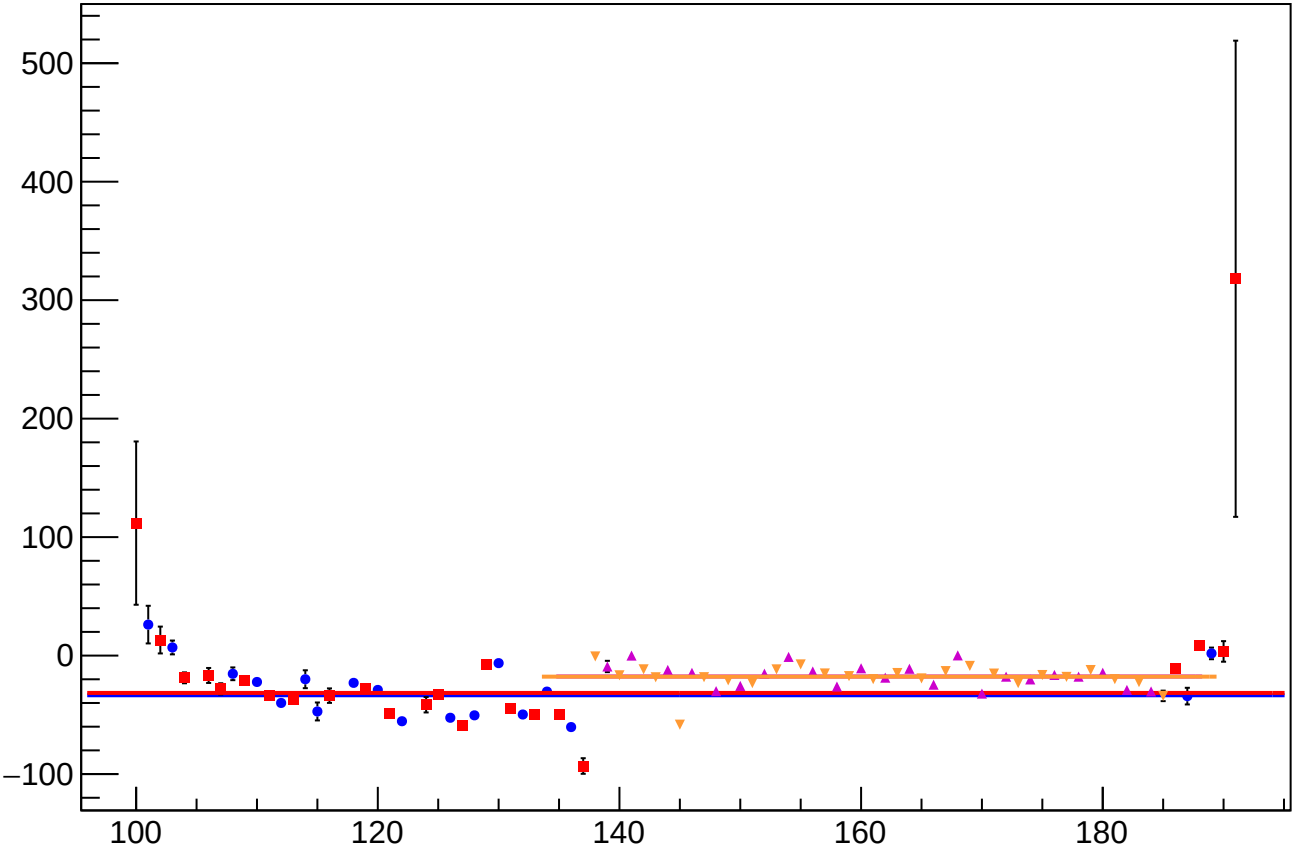
Left In: -5.124+/-0.600 χ^2/NDF:649.7/22

+ sign 6.835+/-0.480 χ^2/NDF: 3185.2/42

All: 8.255+/-0.327 χ^2/NDF: 8442.6/88

- sign 9.488+/-0.447 χ^2/NDF: 5241.0/45

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: -31.512+/-0.894 χ^2/NDF: 522.7/22

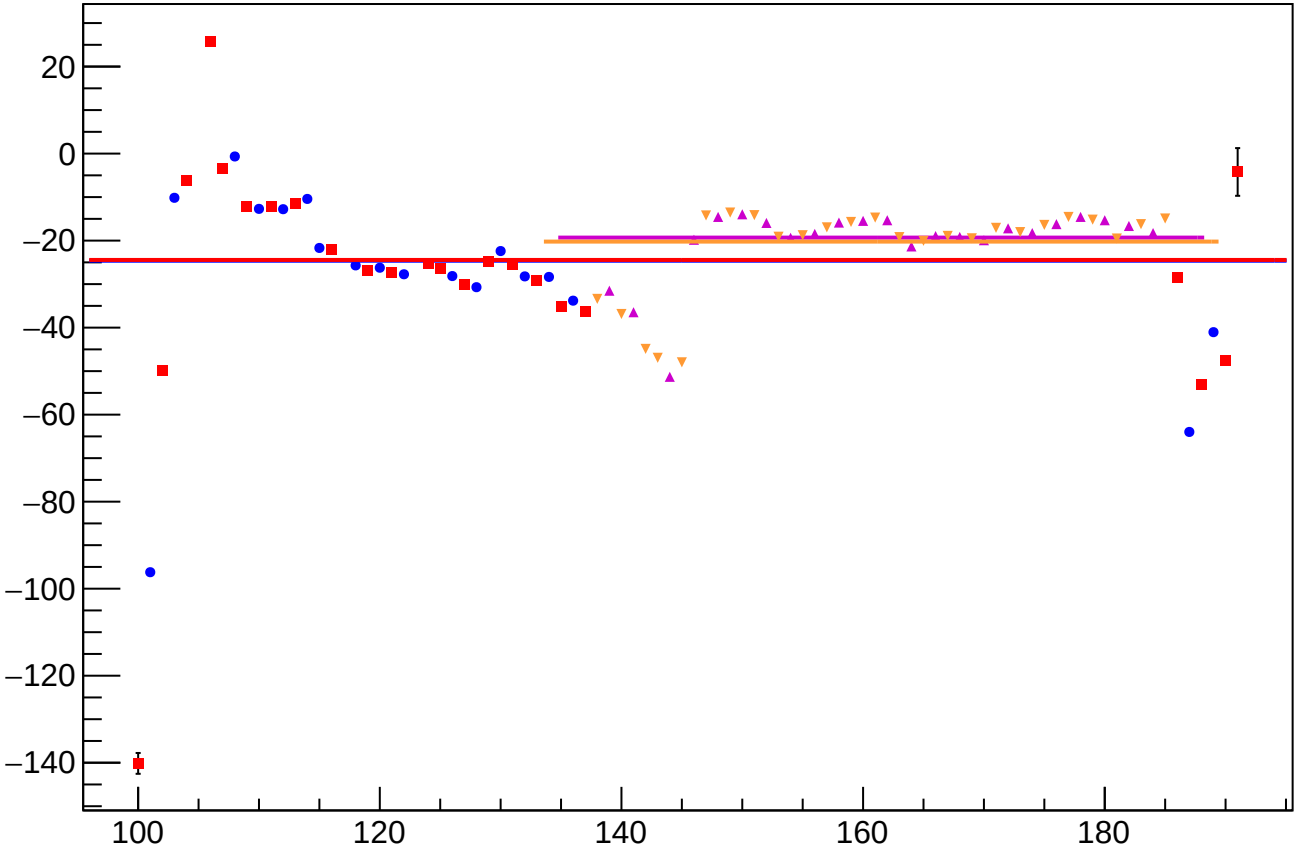
Left In: -17.643+/-0.526 χ^2/NDF:285.9/22

+ sign -21.210+/-0.450 χ^2/NDF: 860.3/42

All: -21.211+/-0.319 χ^2/NDF: 1847.9/88

- sign -21.212+/-0.453 χ^2/NDF: 987.5/45

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: -24.444+/-0.054 χ^2/NDF: 126336.0/22

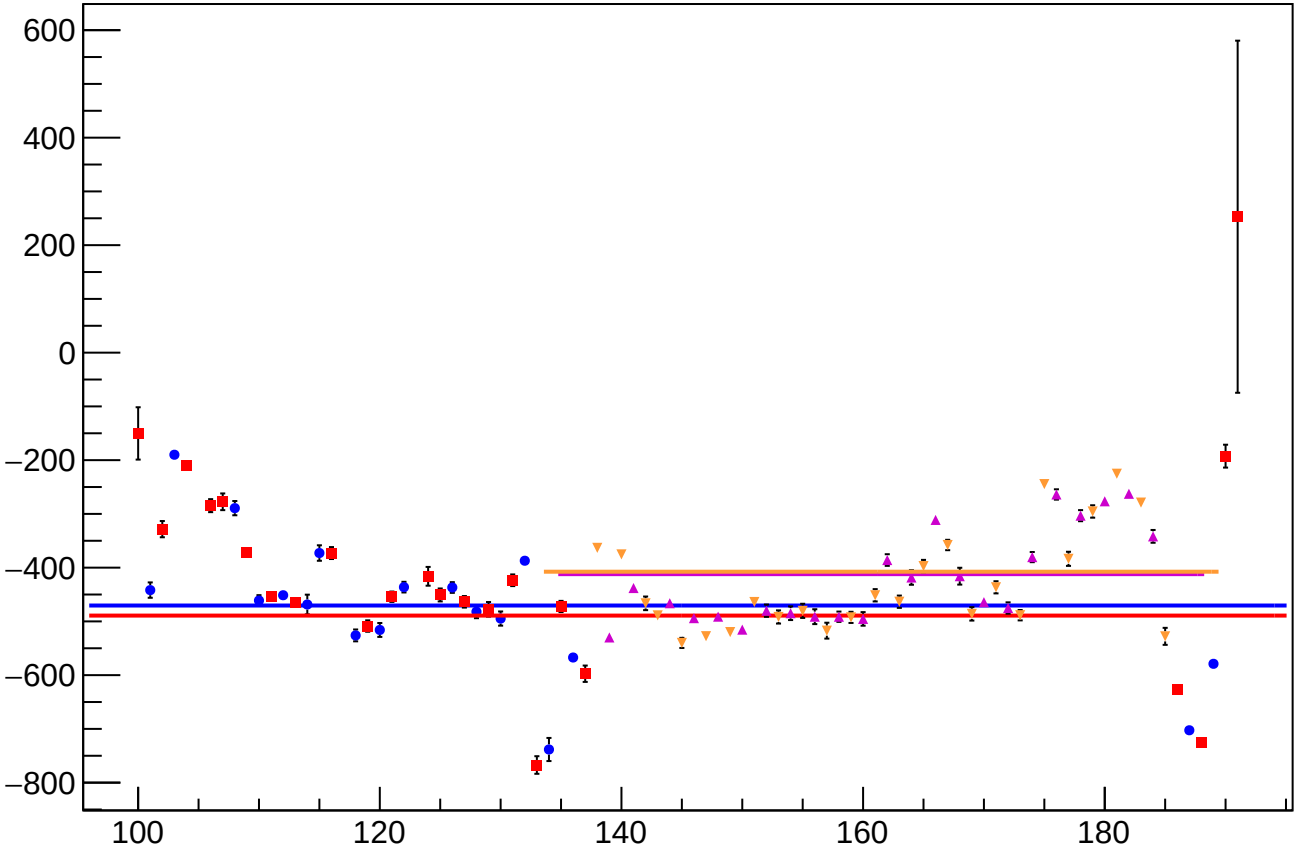
Left In: -19.310+/-0.023 χ^2/NDF:93090.9/22

+ sign -20.864+/-0.021 χ^2/NDF: 217497.4/42

All: -20.498+/-0.015 χ^2/NDF: 445266.6/88

- sign -20.126+/-0.021 χ^2/NDF: 227165.1/45

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: -489.191+/-2.141 χ^2/NDF: 5410.0/22

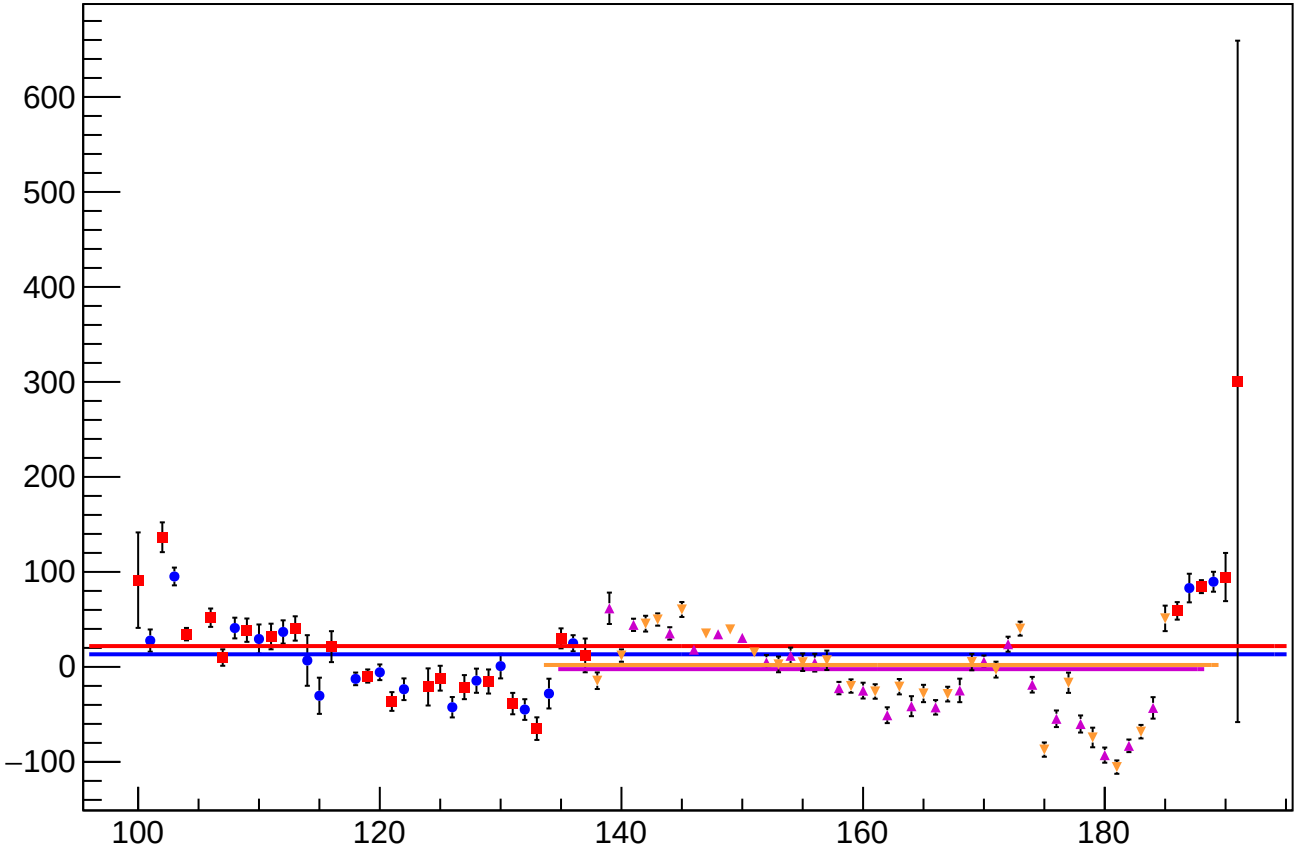
Left In: -412.102+/-2.008 χ^2/NDF:2182.3/22

+ sign -431.558+/-1.534 χ^2/NDF: 5728.8/42

All: -440.255+/-1.059 χ^2/NDF: 14072.2/88

- sign -448.183+/-1.465 χ^2/NDF: 8282.0/45

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: 21.927+/-2.307 χ^2/NDF: 354.8/22

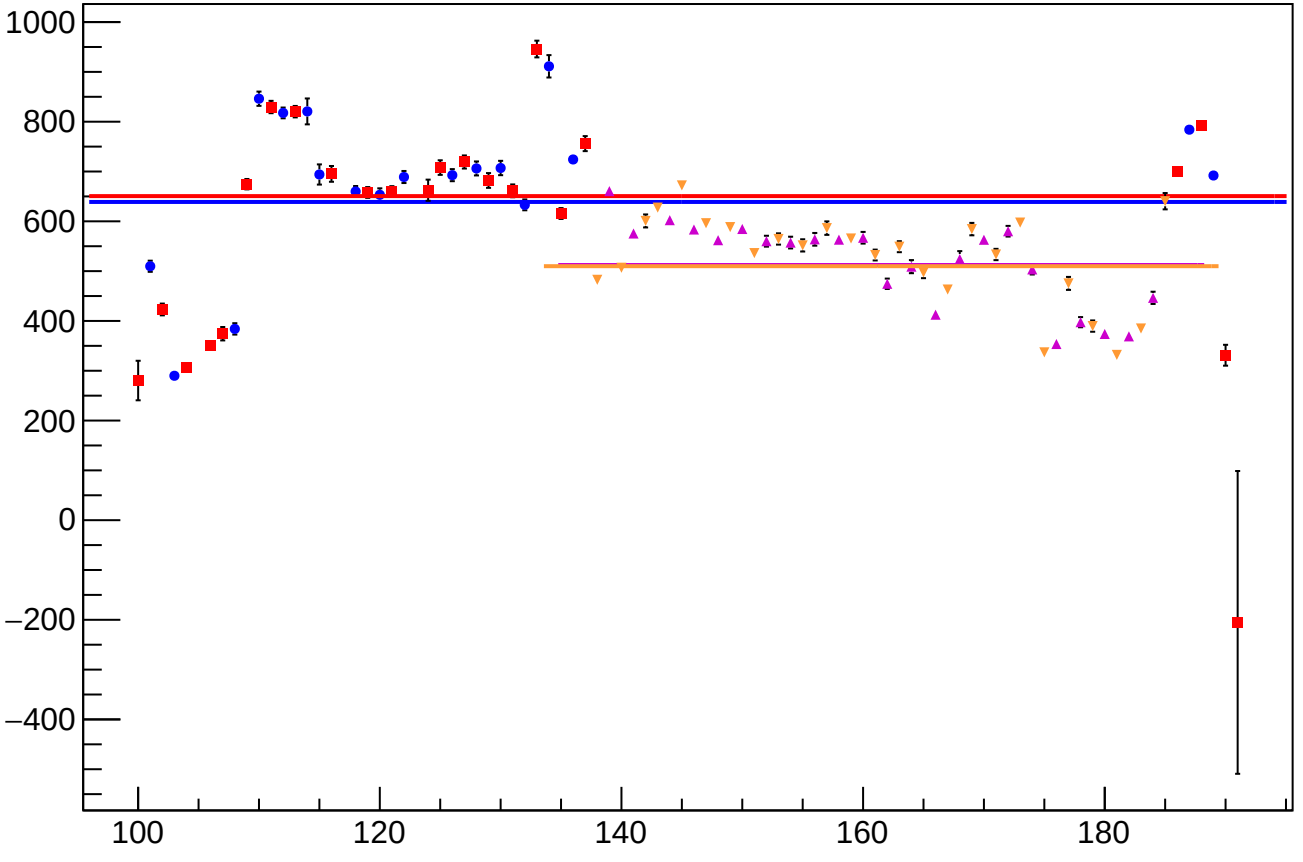
Left In: -2.365+/-1.482 χ^2/NDF:733.4/22

\+ sign 4.634+/-1.250 χ^2/NDF: 1195.1/42

All: 4.683+/-0.883 χ^2/NDF: 2361.8/88

\- sign 4.733+/-1.247 χ^2/NDF: 1166.7/45

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: 650.606+/-2.105 χ^2/NDF: 7103.0/22

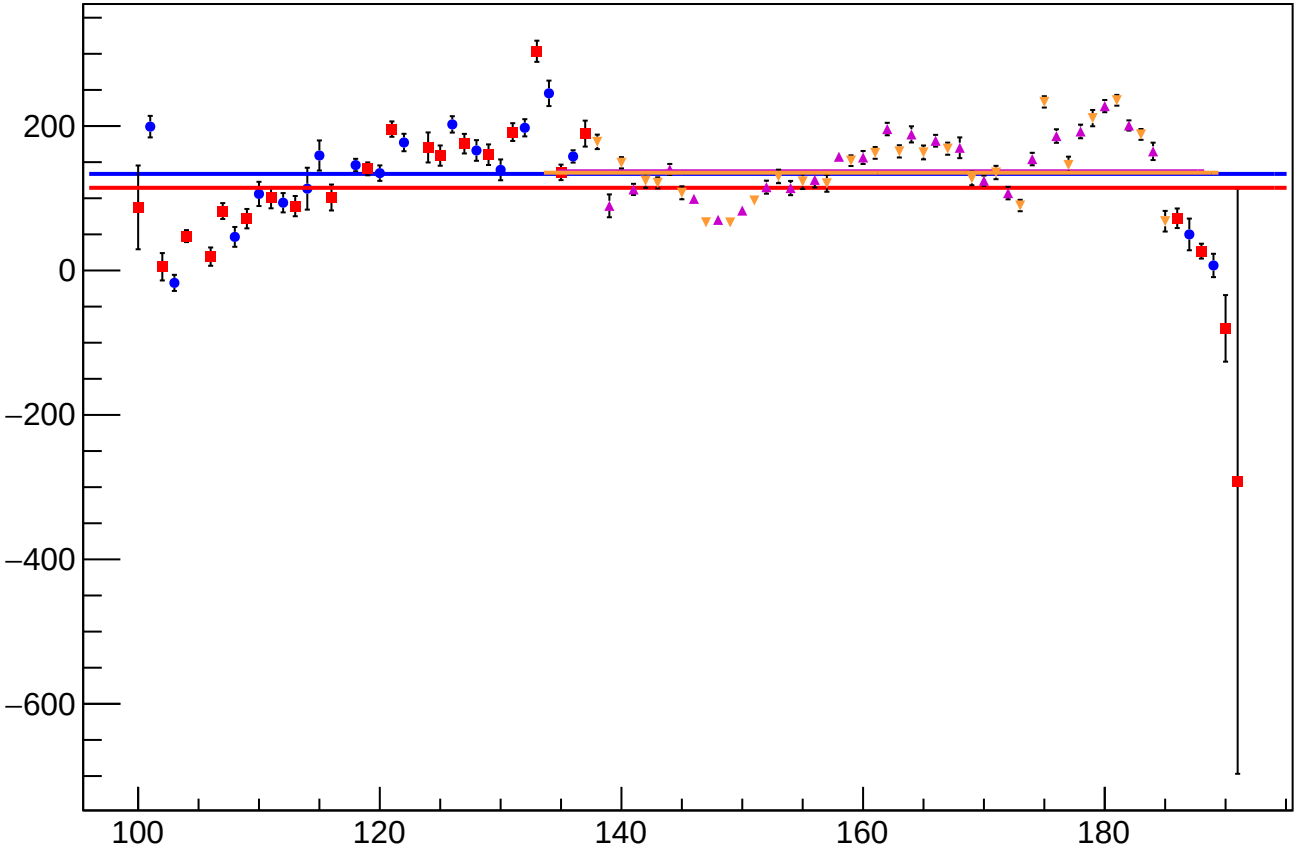
Left In: 512.270+/-1.984 χ^2/NDF:2087.6/22

+ sign 556.971+/-1.543 χ^2/NDF: 8678.9/42

All: 567.833+/-1.054 χ^2/NDF: 20249.9/88

- sign 577.346+/-1.444 χ^2/NDF: 11478.0/45

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: 114.473+/-2.794 χ^2/NDF: 621.6/22

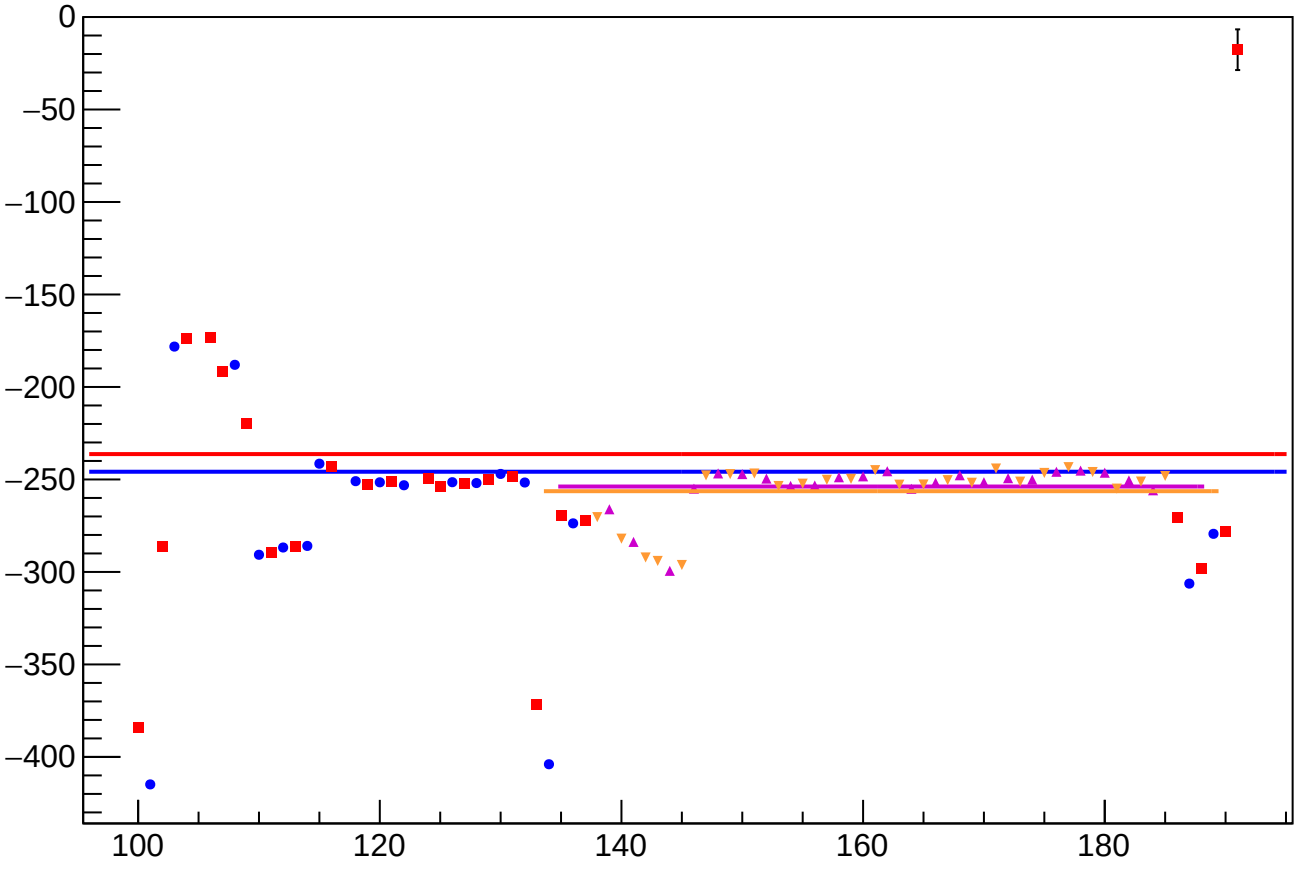
Left In: 137.374+/-1.702 χ^2/NDF:706.0/22

+ sign 135.030+/-1.452 χ^2/NDF: 1389.2/42

All: 133.105+/-1.027 χ^2/NDF: 2769.2/88

- sign 131.176+/-1.454 χ^2/NDF: 1376.5/45

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: -236.286+/-0.149 χ^2/NDF: 118554.0/22

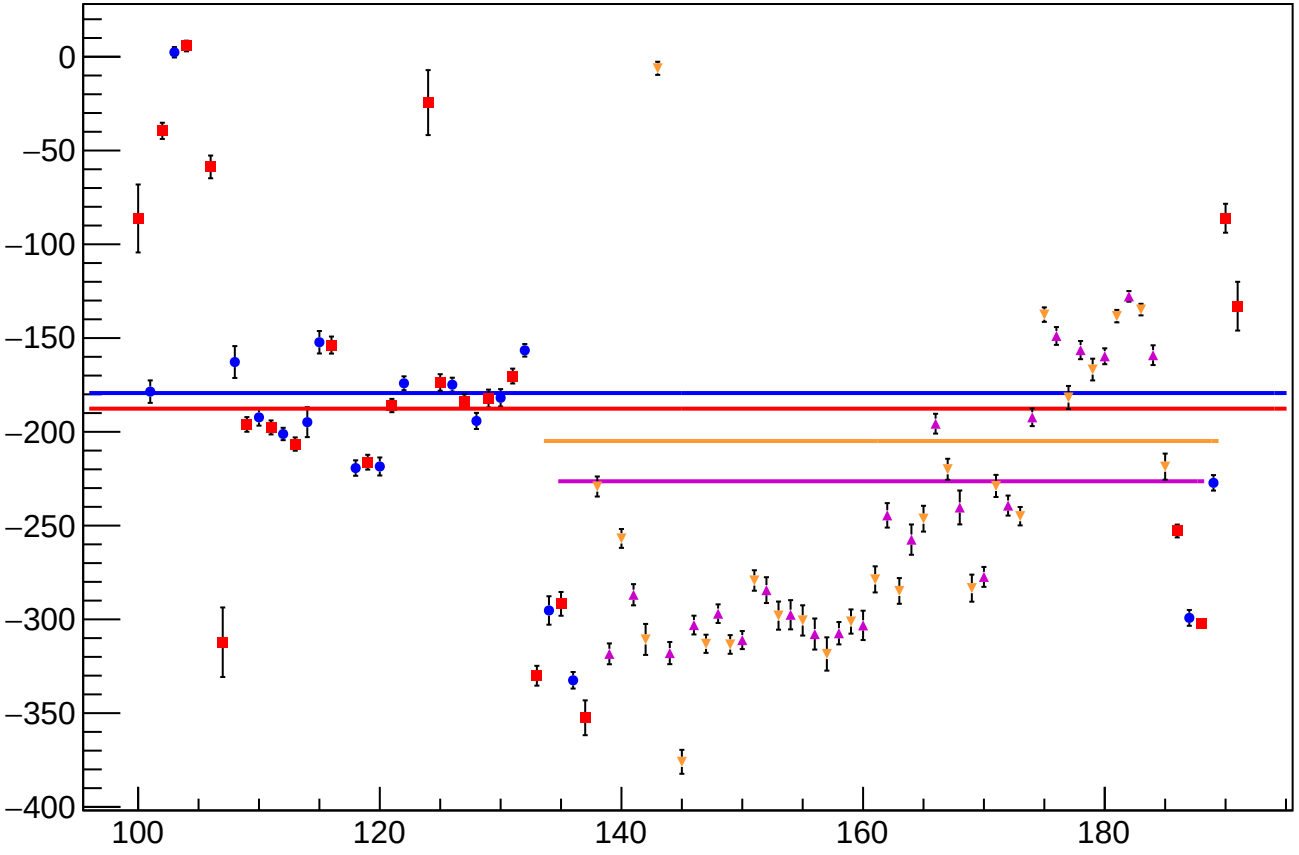
Left In: -253.817+/-0.078 χ^2/NDF:24076.7/22

+ sign -254.321+/-0.069 χ^2/NDF: 221114.2/42

All: -252.183+/-0.049 χ^2/NDF: 376528.9/88

- sign -250.058+/-0.069 χ^2/NDF: 153511.1/45

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: -187.639+/-0.904 χ^2/NDF: 11023.2/22

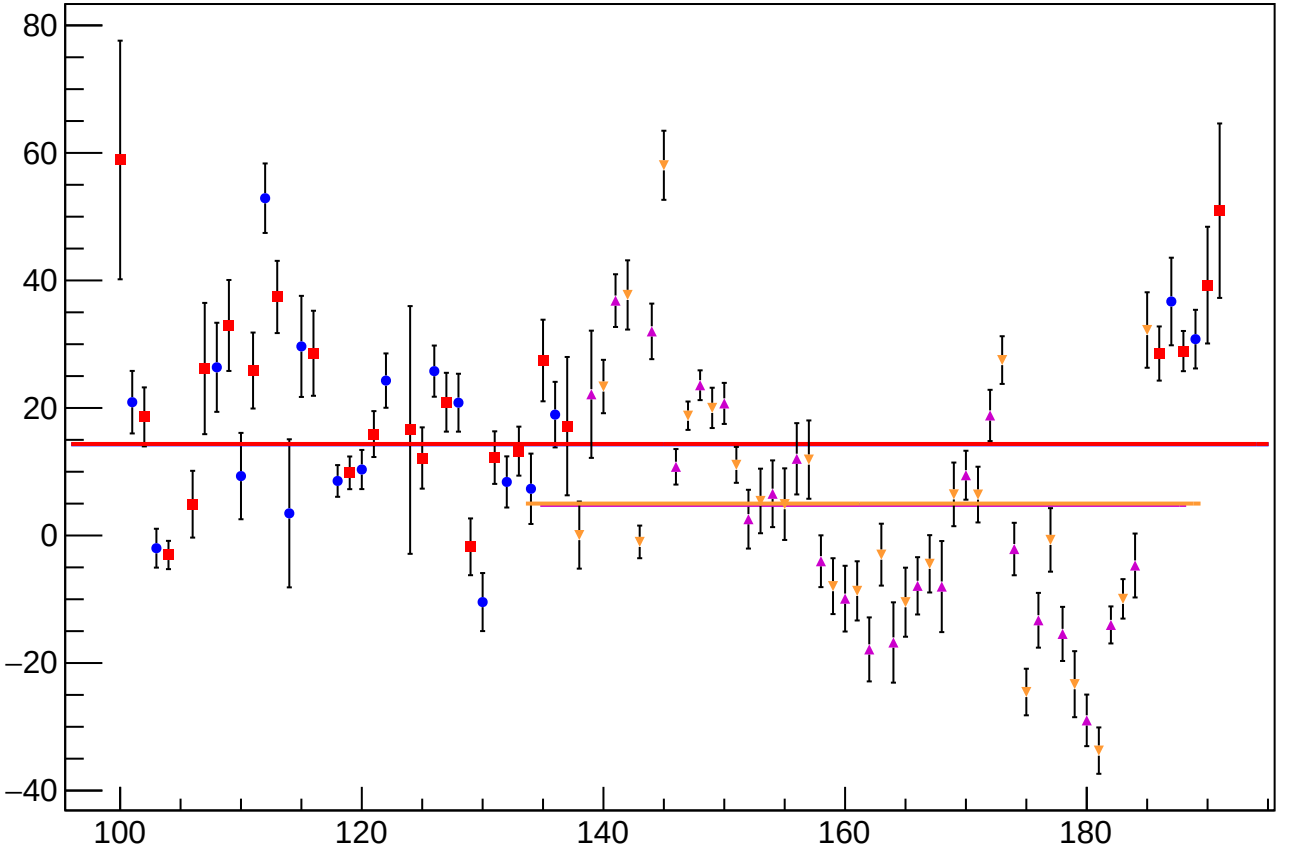
Left In: -226.365+/-1.105 χ^2/NDF:4219.0/22

+ sign -191.596+/-0.729 χ^2/NDF: 15086.9/42

All: -197.618+/-0.505 χ^2/NDF: 31196.1/88

- sign -203.170+/-0.700 χ^2/NDF: 15978.0/45

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: 14.356+/-0.951 χ^2/NDF: 174.7/22

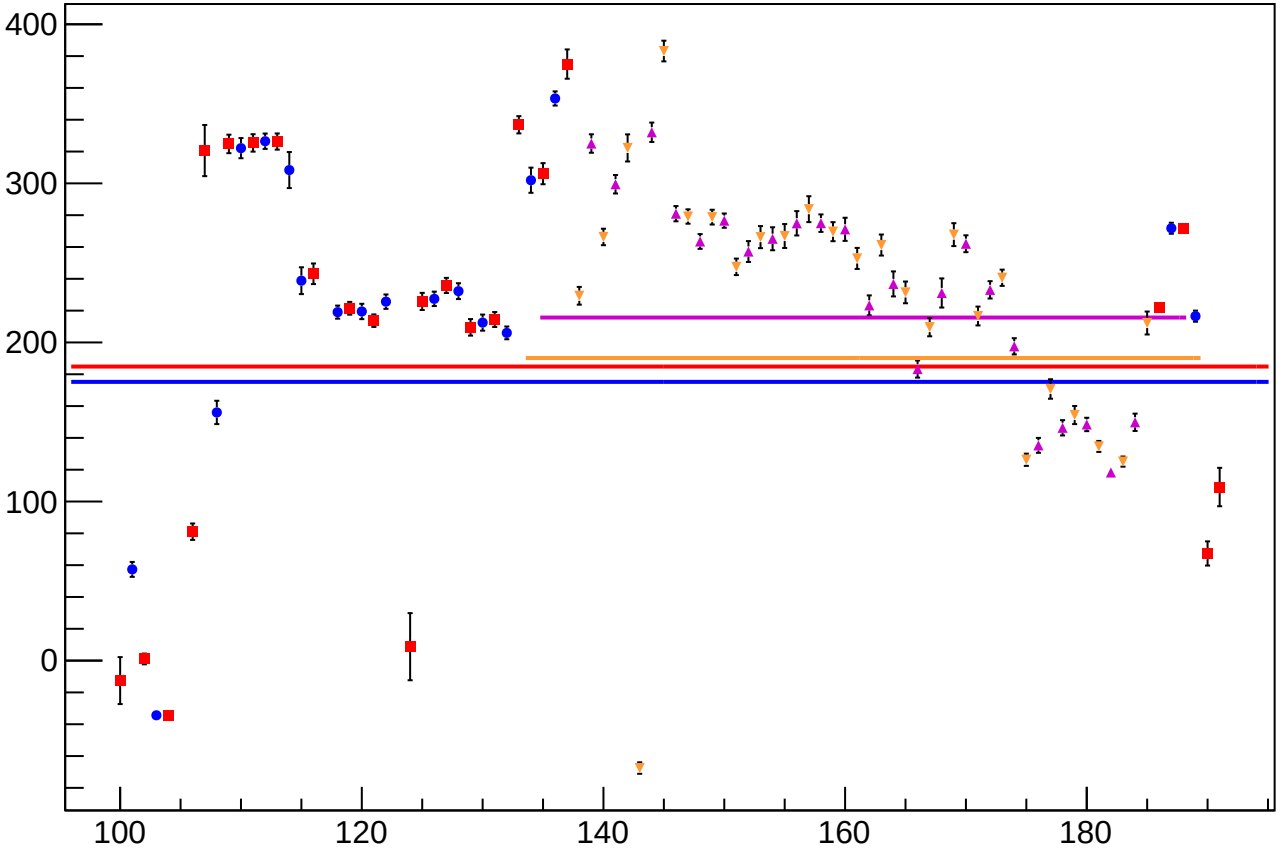
Left In: 4.799+/-0.846 χ^2/NDF:426.3/22

+ sign 8.440+/-0.630 χ^2/NDF: 768.2/42

All: 8.730+/-0.446 χ^2/NDF: 1426.0/88

- sign 9.024+/-0.632 χ^2/NDF: 657.3/45

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: 184.842+/-0.886 χ^2/NDF: 19977.8/22

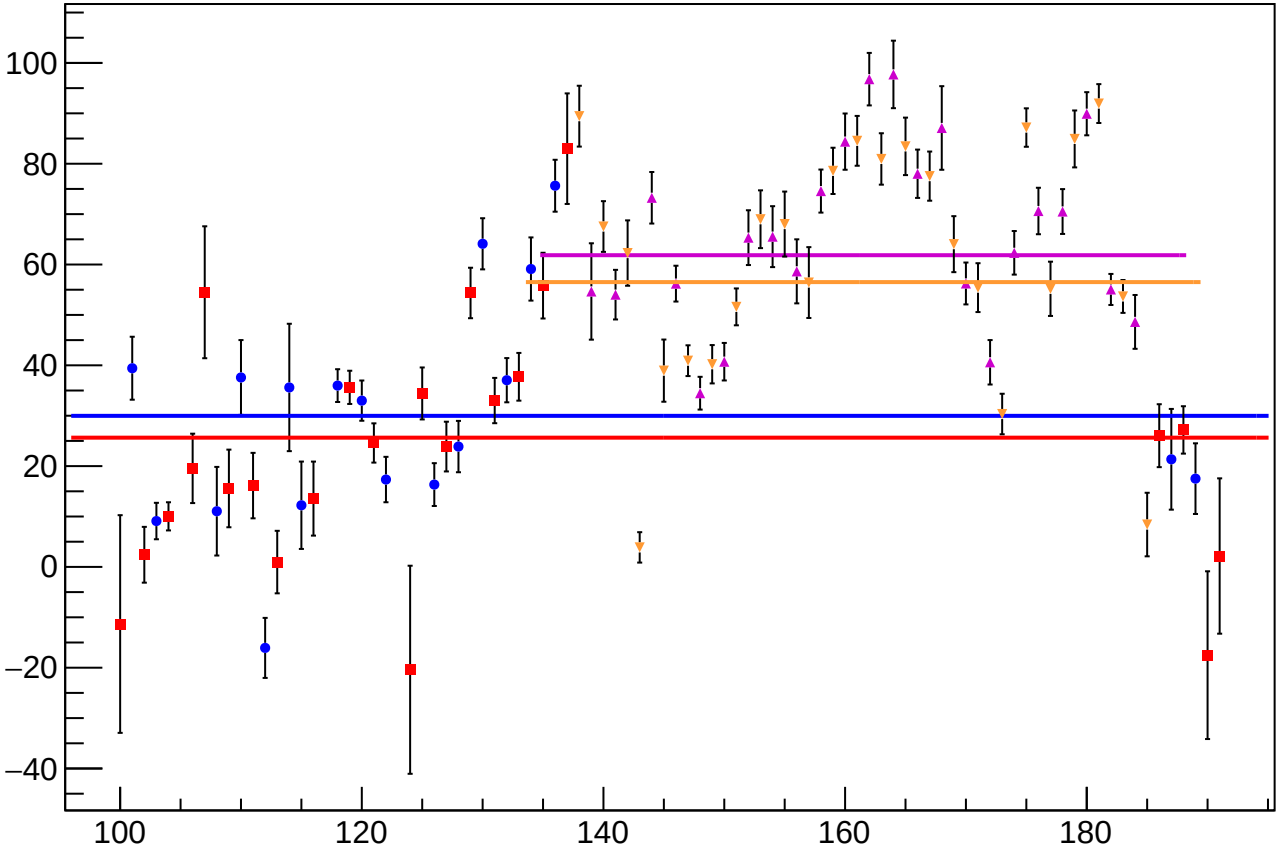
Left In: 215.649+/-1.098 χ^2/NDF:3886.0/22

+ sign 182.601+/-0.737 χ^2/NDF: 24521.8/42

All: 190.266+/-0.503 χ^2/NDF: 49065.6/88

- sign 196.980+/-0.689 χ^2/NDF: 24340.7/45

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: 25.645+/-1.148 χ^2/NDF: 197.0/22

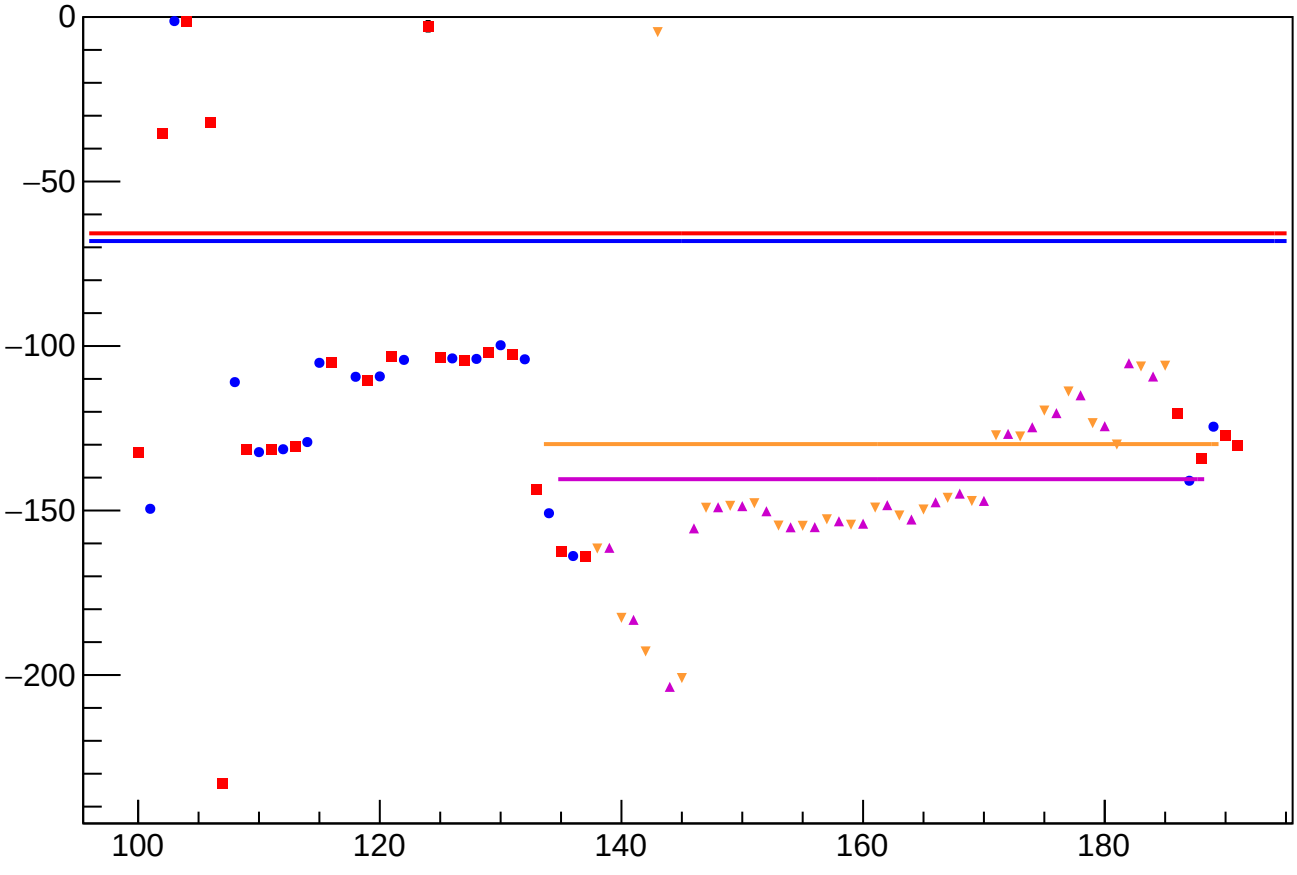
Left In: 61.850+/-0.961 χ^2/NDF:320.7/22

+ sign 47.096+/-0.730 χ^2/NDF: 1382.4/42

All: 47.014+/-0.519 χ^2/NDF: 2484.5/88

- sign 46.931+/-0.737 χ^2/NDF: 1102.0/45

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: -65.750+/-0.059 χ^2/NDF: 1025285.9/22

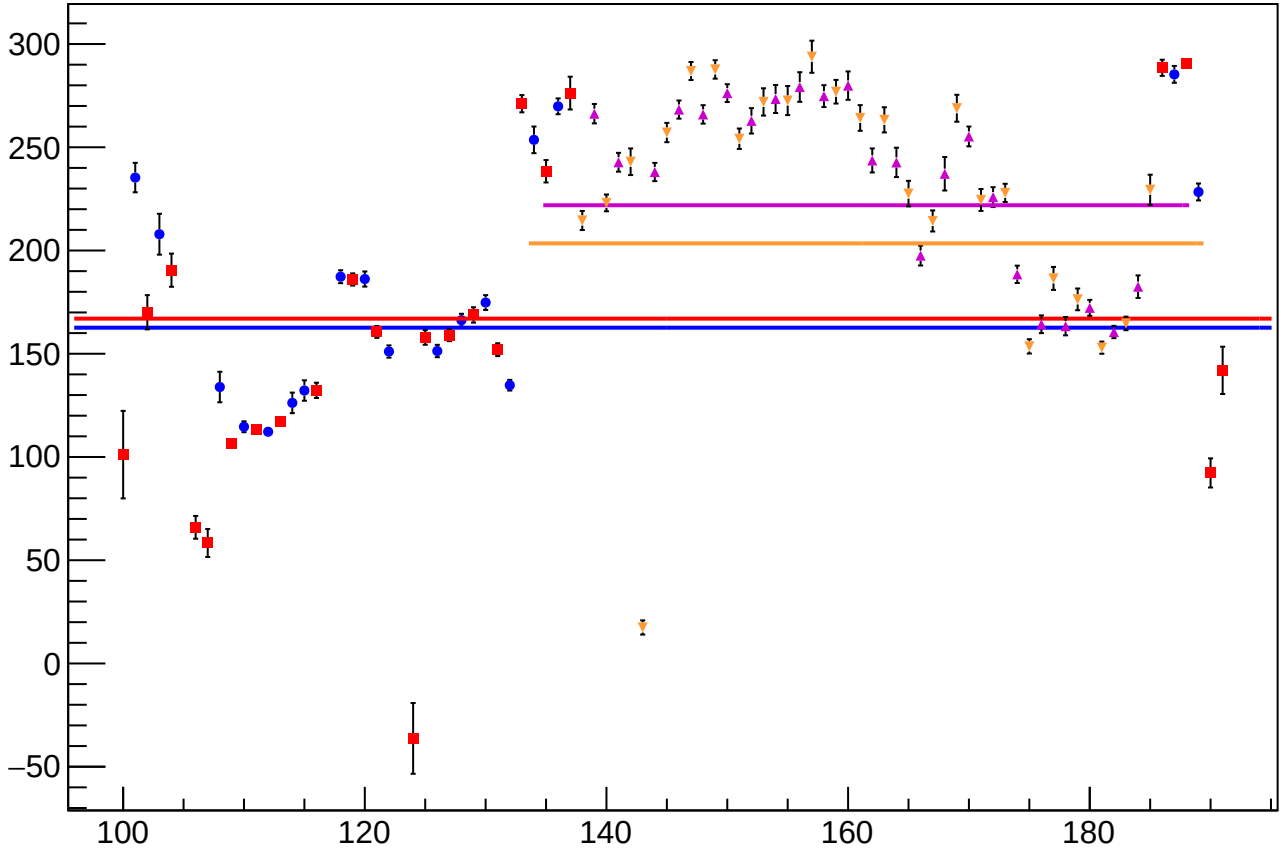
Left In: -140.477+/-0.044 χ^2/NDF:254660.0/22

+ sign -110.328+/-0.035 χ^2/NDF: 2799253.0/42

All: -112.078+/-0.025 χ^2/NDF: 5127969.8/88

- sign -113.843+/-0.035 χ^2/NDF: 2323660.8/45

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: 167.007+/-0.752 χ^2/NDF: 7947.2/22

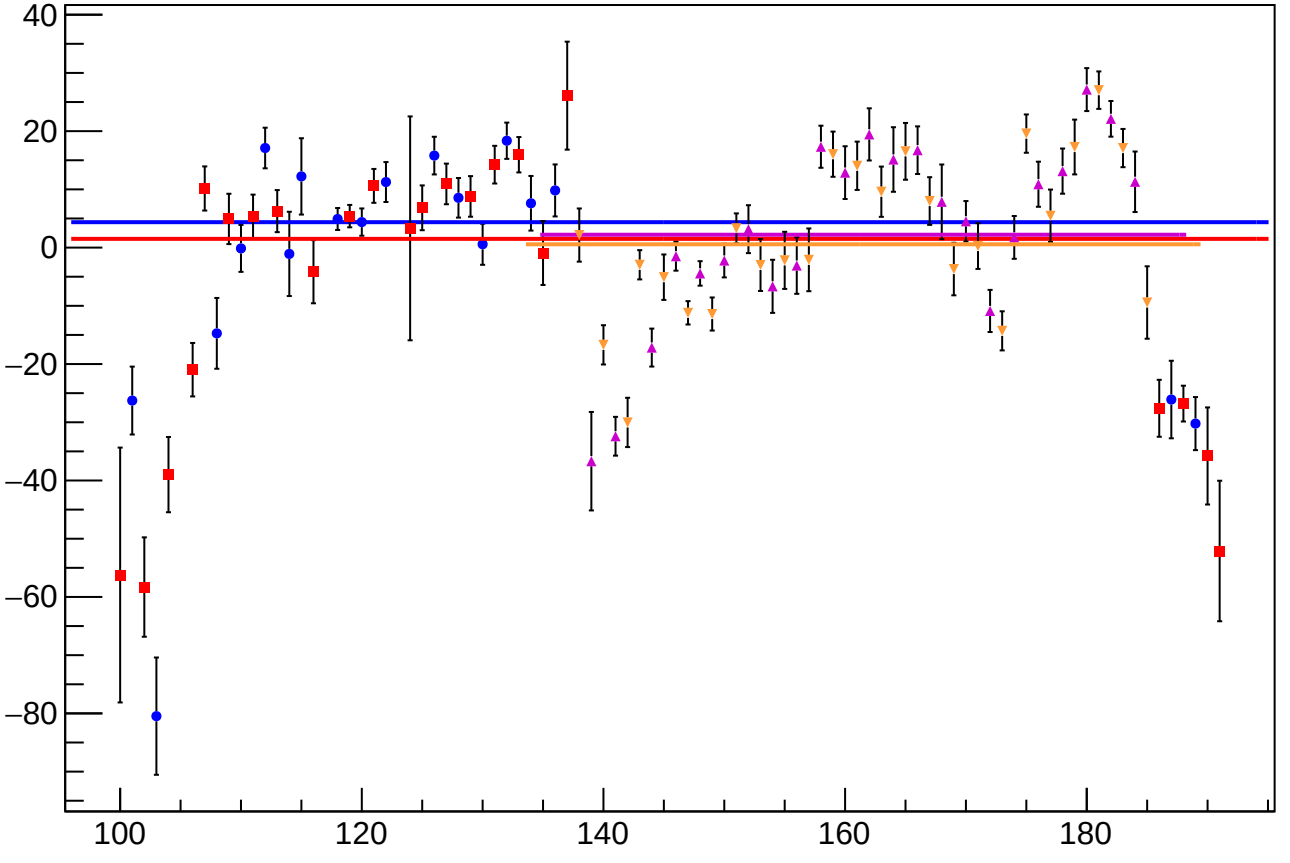
Left In: 221.923+/-1.003 χ^2/NDF:1986.7/22

+ sign 180.289+/-0.627 χ^2/NDF: 10071.9/42

All: 183.664+/-0.434 χ^2/NDF: 21980.7/88

- sign 186.773+/-0.602 χ^2/NDF: 11853.1/45

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: 1.502+/-0.835 χ^2/NDF: 361.7/22

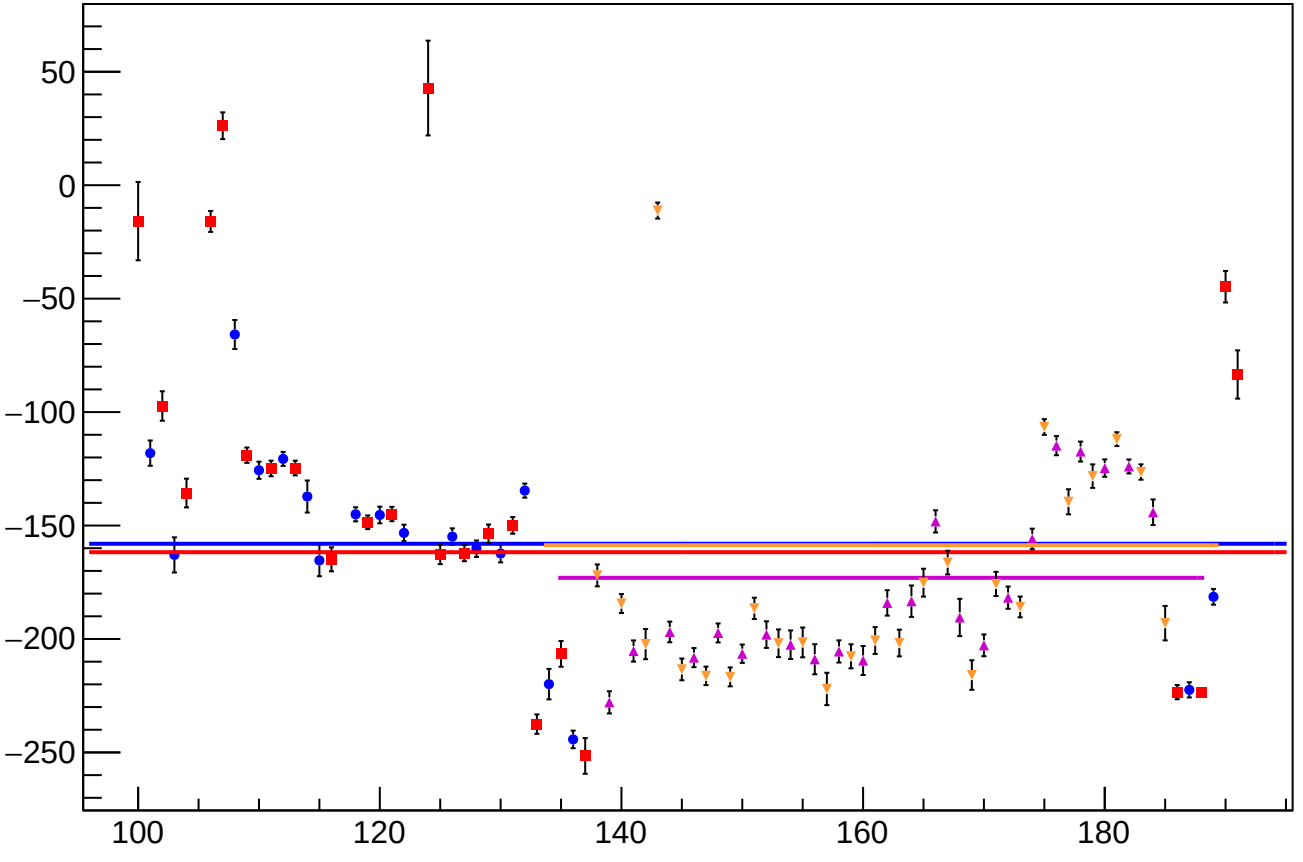
Left In: 2.210+/-0.760 χ^2/NDF:358.2/22

+ sign 2.108+/-0.552 χ^2/NDF: 601.9/42

All: 2.001+/-0.394 χ^2/NDF: 1322.2/88

- sign 1.889+/-0.562 χ^2/NDF: 720.2/45

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: -161.752+/-0.826 χ^2/NDF: 5240.6/22

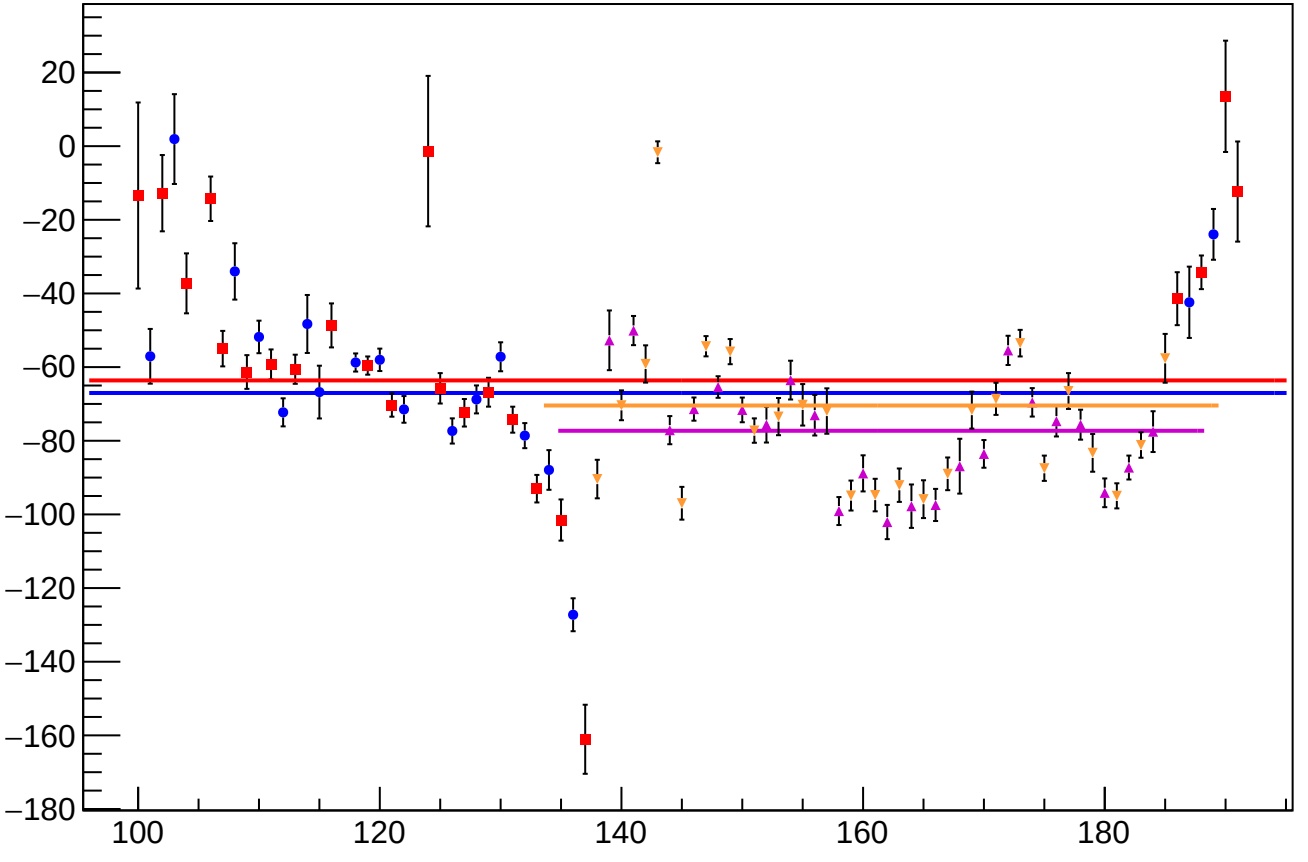
Left In: -173.043+/-0.996 χ^2/NDF:1399.9/22

+ sign -158.345+/-0.670 χ^2/NDF: 5067.6/42

All: -162.559+/-0.461 χ^2/NDF: 11859.6/88

- sign -166.352+/-0.635 χ^2/NDF: 6716.7/45

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: -63.616+/-0.985 χ^2/NDF: 455.8/22

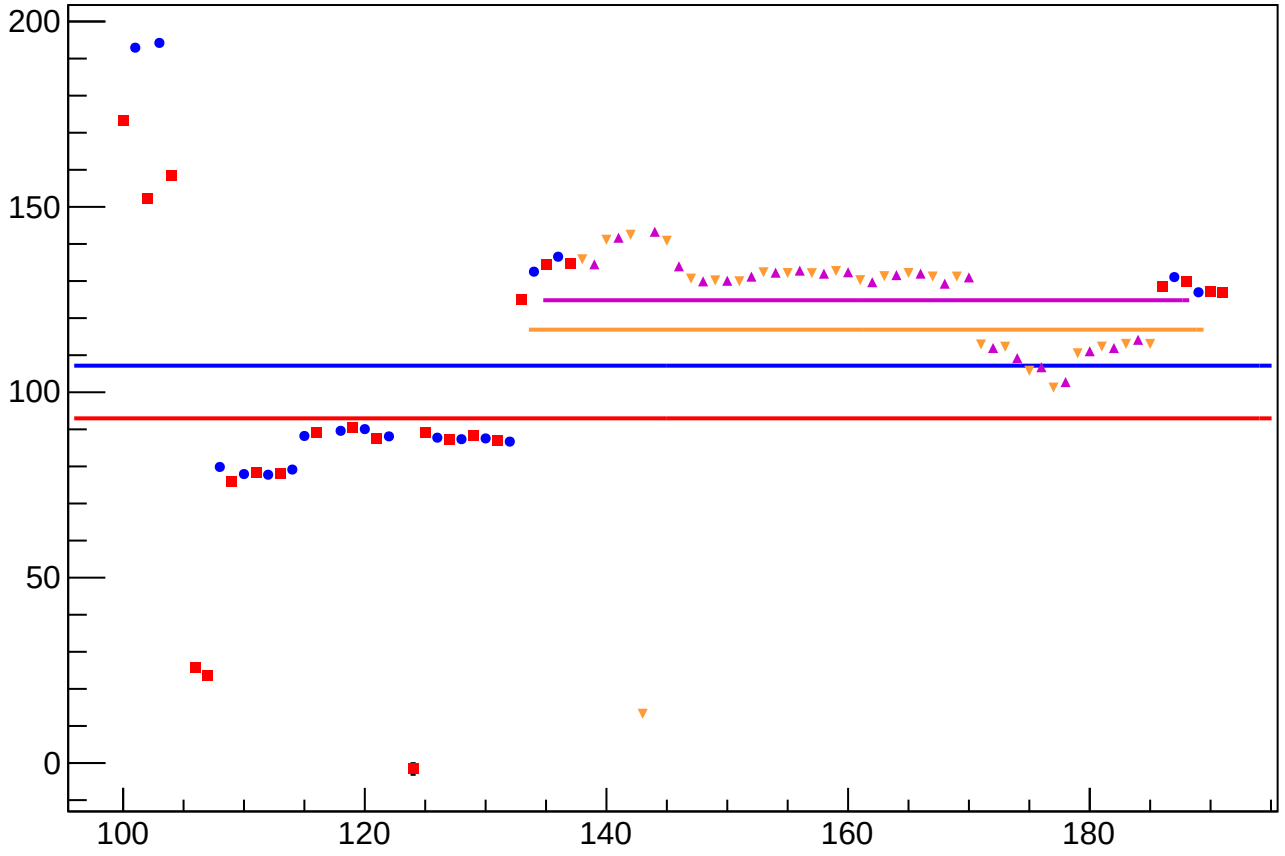
Left In: -77.288+/-0.866 χ^2/NDF:254.3/22

+ sign -69.083+/-0.639 χ^2/NDF: 1270.7/42

All: -70.186+/-0.456 χ^2/NDF: 2095.5/88

- sign -71.329+/-0.650 χ^2/NDF: 818.7/45

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: 92.967+/-0.061 χ^2/NDF: 424995.1/22

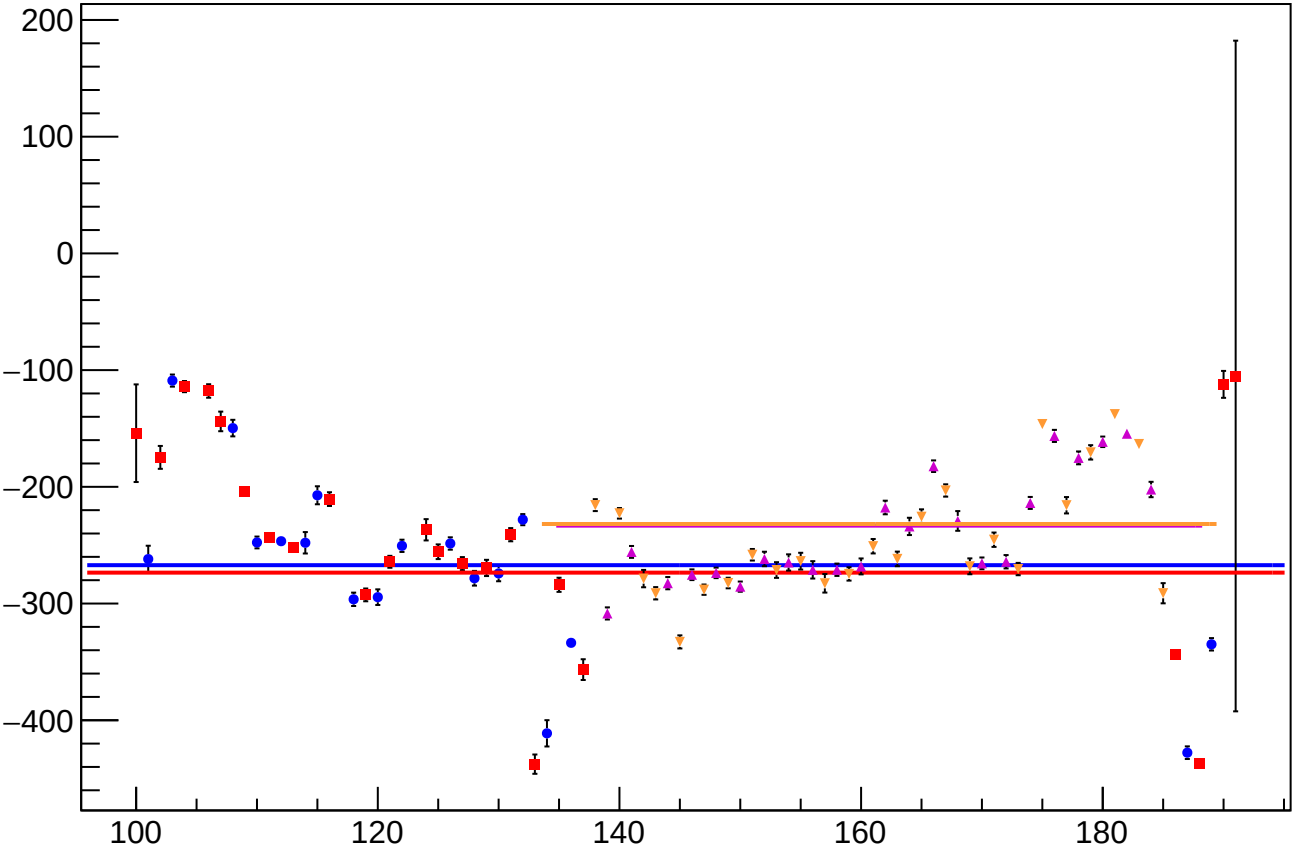
Left In: 124.819+/-0.039 χ^2/NDF:88116.2/22

+ sign 114.580+/-0.033 χ^2/NDF: 884977.2/42

All: 115.053+/-0.023 χ^2/NDF: 1589968.5/88

- sign 115.521+/-0.033 χ^2/NDF: 704589.6/45

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: -273.522+/-1.154 χ^2/NDF: 6963.7/22

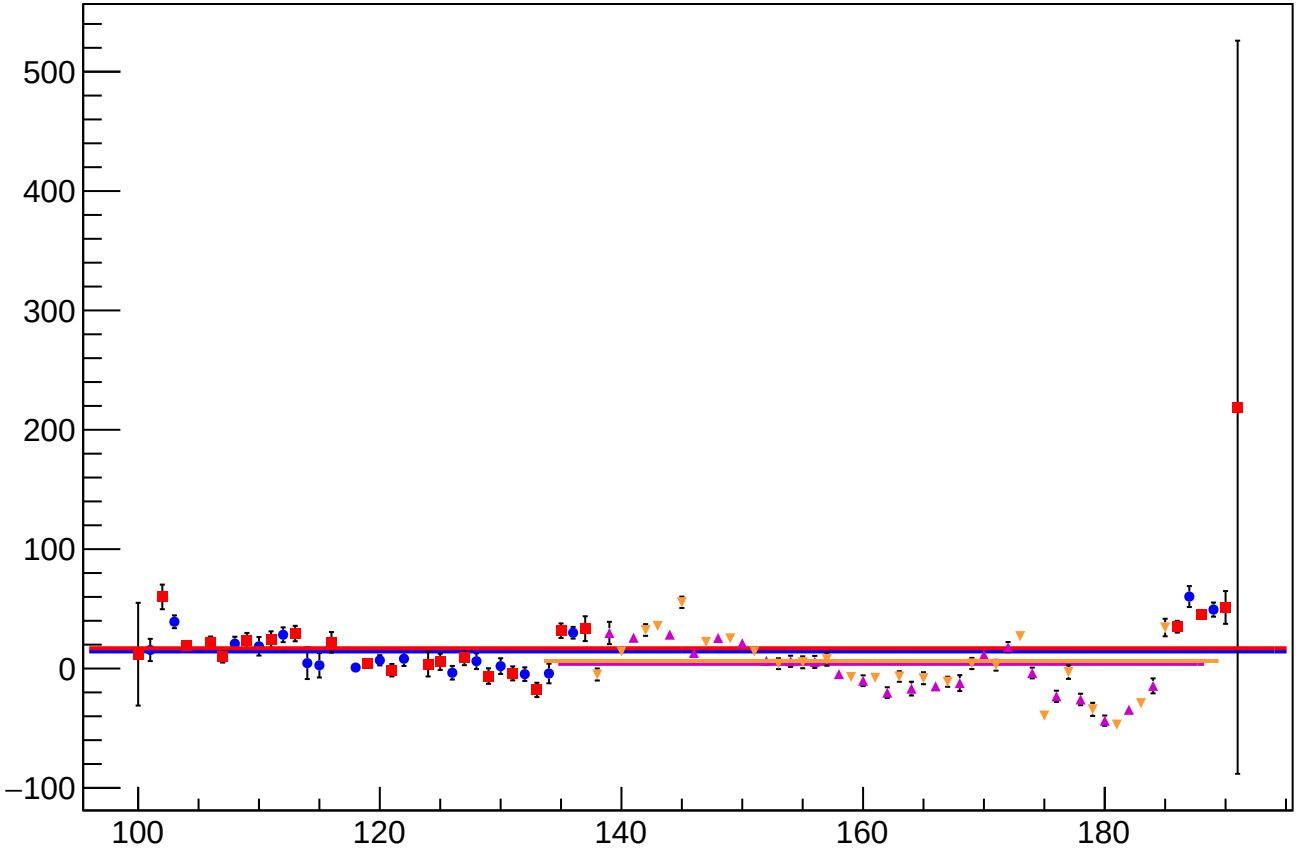
Left In: -233.258+/-1.108 χ^2/NDF:2067.0/22

+ sign -245.684+/-0.842 χ^2/NDF: 6003.7/42

All: -249.306+/-0.580 χ^2/NDF: 15703.2/88

- sign -252.567+/-0.799 χ^2/NDF: 9664.4/45

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: 16.992+/-1.247 χ^2/NDF: 197.1/22

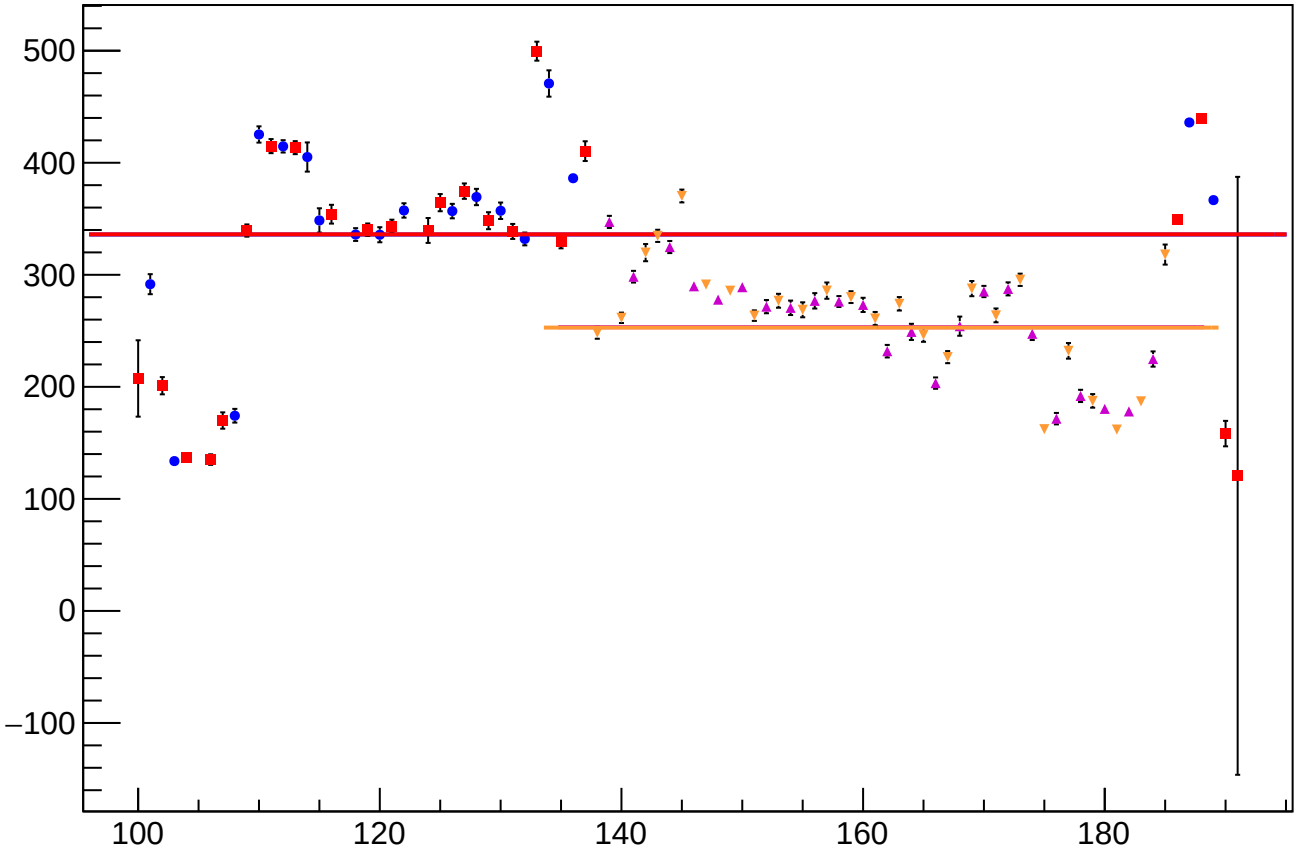
Left In: 3.906+/-0.818 χ^2/NDF:650.3/22

+ sign 8.201+/-0.688 χ^2/NDF: 1048.4/42

All: 8.022+/-0.485 χ^2/NDF: 1973.0/88

- sign 7.846+/-0.684 χ^2/NDF: 924.4/45

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: 336.119+/-1.158 χ^2/NDF: 8509.5/22

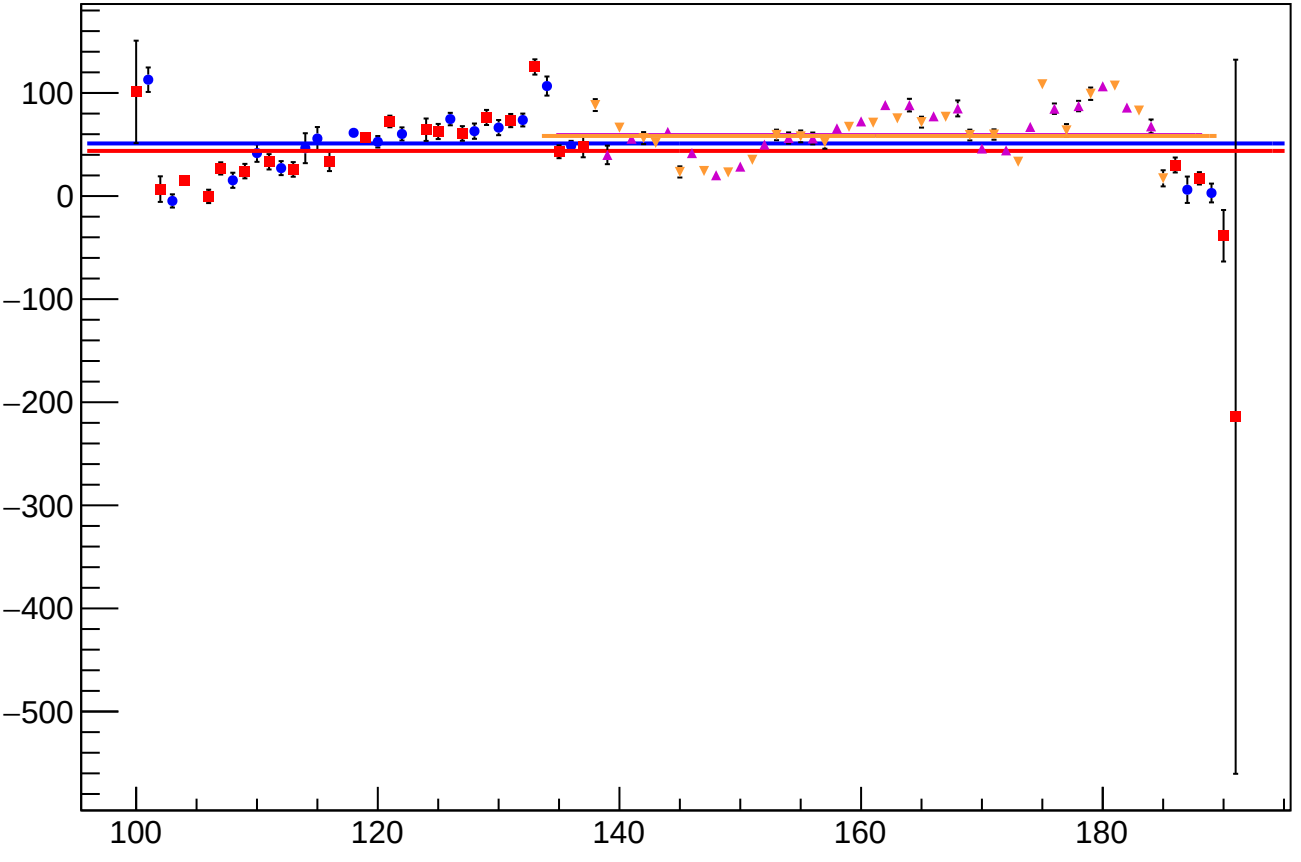
Left In: 253.248+/-1.093 χ^2/NDF:2059.7/22

+ sign 283.096+/-0.854 χ^2/NDF: 9226.2/42

All: 288.028+/-0.582 χ^2/NDF: 22564.8/88

- sign 292.304+/-0.795 χ^2/NDF: 13276.4/45

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: 43.795+/-1.504 χ^2/NDF: 363.4/22

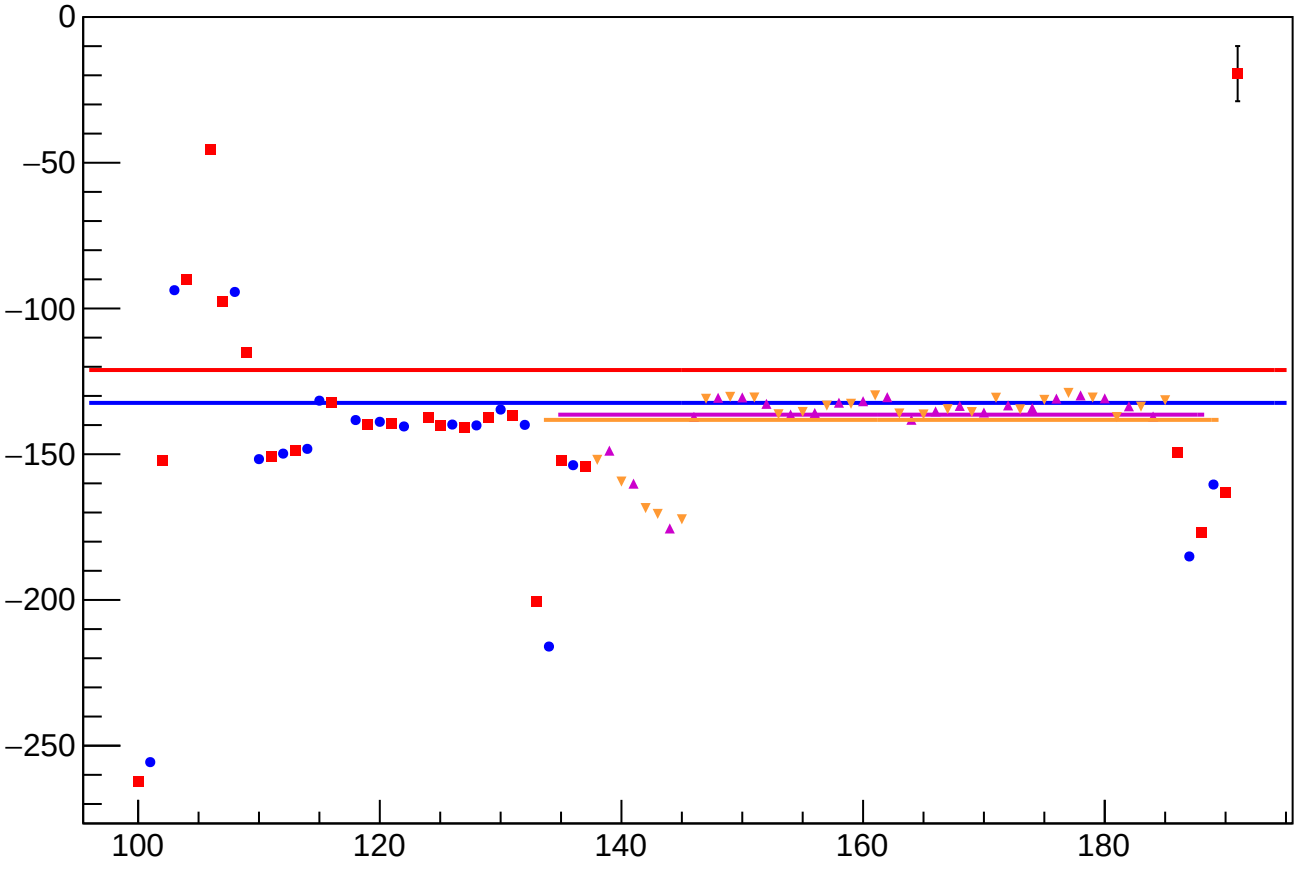
Left In: 59.151+/-0.938 χ^2/NDF:632.4/22

+ sign 56.615+/-0.798 χ^2/NDF: 1124.5/42

All: 55.729+/-0.564 χ^2/NDF: 2197.9/88

- sign 54.848+/-0.796 χ^2/NDF: 1070.9/45

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: -121.116+/-0.081 χ^2/NDF: 245884.8/22

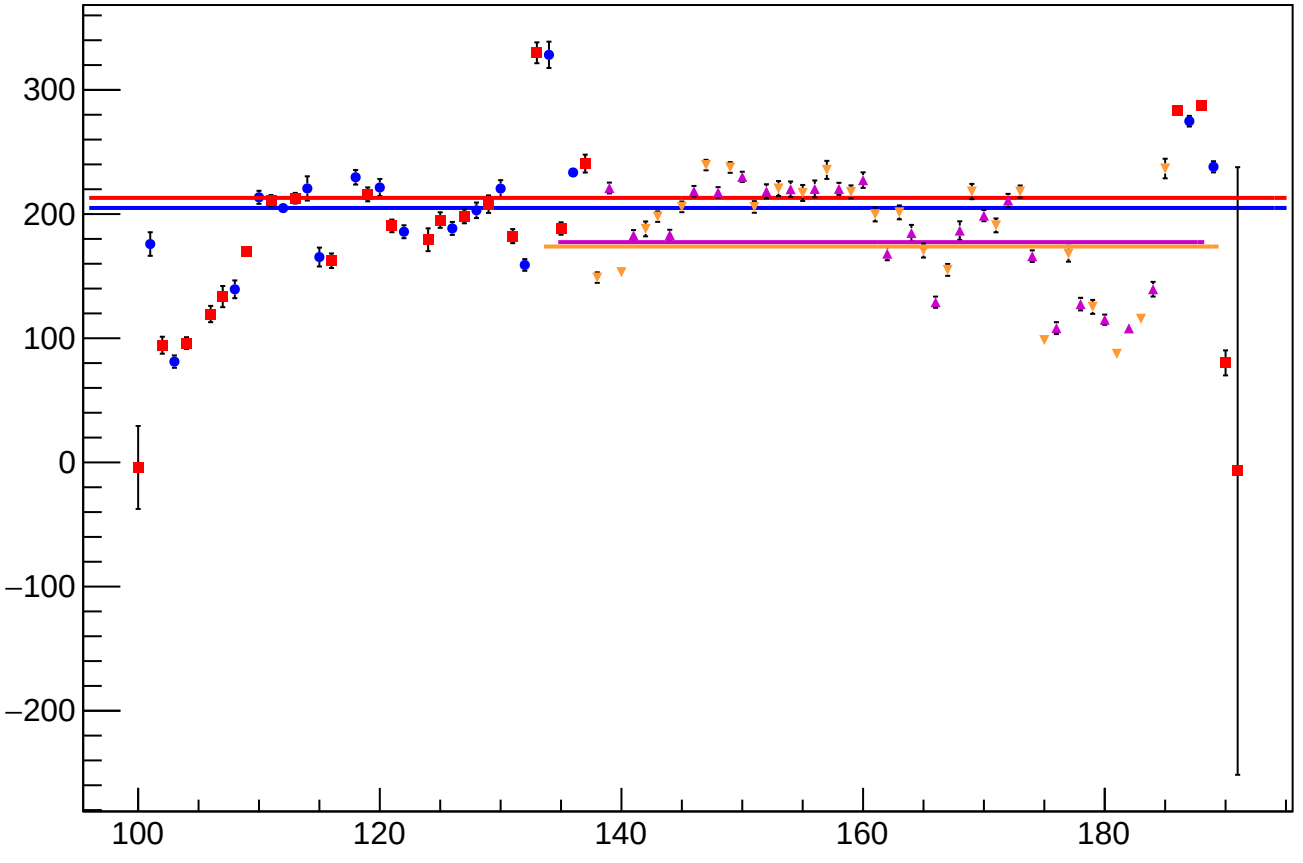
Left In: -136.429+/-0.043 χ^2/NDF:49792.9/22

+ sign -137.123+/-0.038 χ^2/NDF: 269949.2/42

All: -135.092+/-0.027 χ^2/NDF: 598930.5/88

- sign -133.102+/-0.038 χ^2/NDF: 323416.2/45

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: 213.033+/-1.089 χ^2/NDF: 3330.2/22

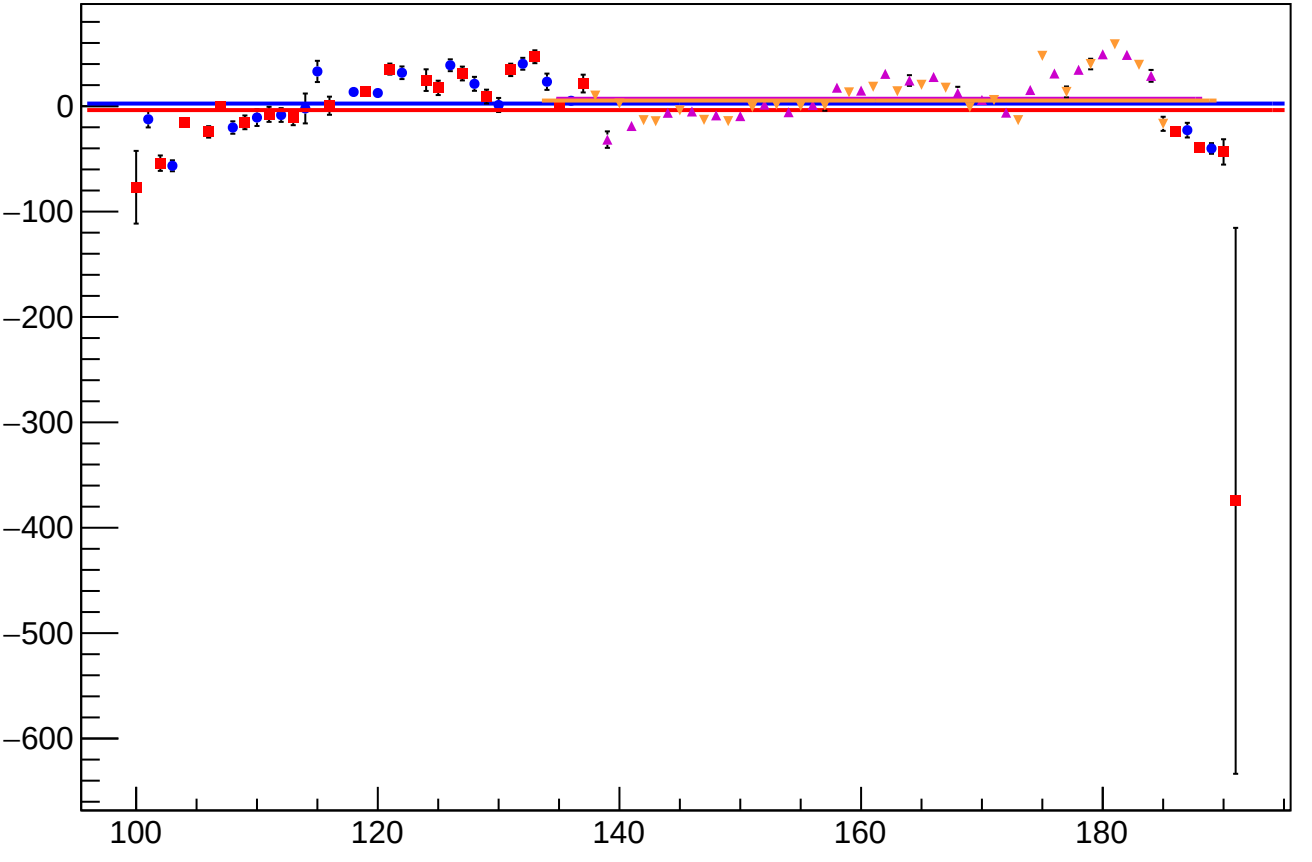
Left In: 177.403+/-0.996 χ^2/NDF:1963.0/22

\+ sign 185.064+/-0.769 χ^2/NDF: 4417.0/42

All: 189.545+/-0.531 χ^2/NDF: 10358.5/88

\- sign 193.632+/-0.735 χ^2/NDF: 5876.7/45

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: -3.686+/-1.197 χ^2/NDF: 486.2/22

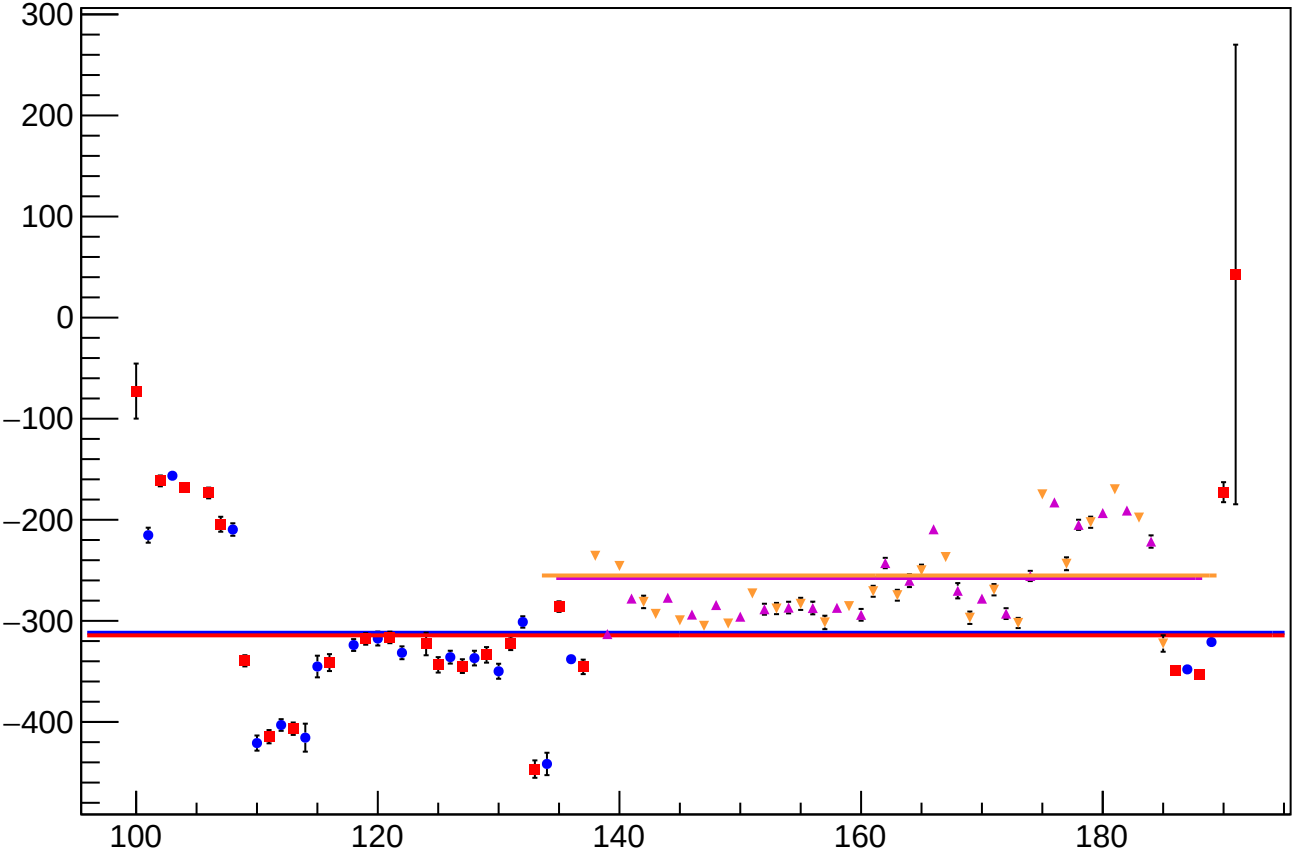
Left In: 7.061+/-0.741 χ^2/NDF:709.7/22

+ sign 4.749+/-0.630 χ^2/NDF: 1200.4/42

All: 4.416+/-0.445 χ^2/NDF: 2455.1/88

- sign 4.081+/-0.630 χ^2/NDF: 1254.1/45

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: -314.335+/-1.058 χ^2/NDF: 4942.2/22

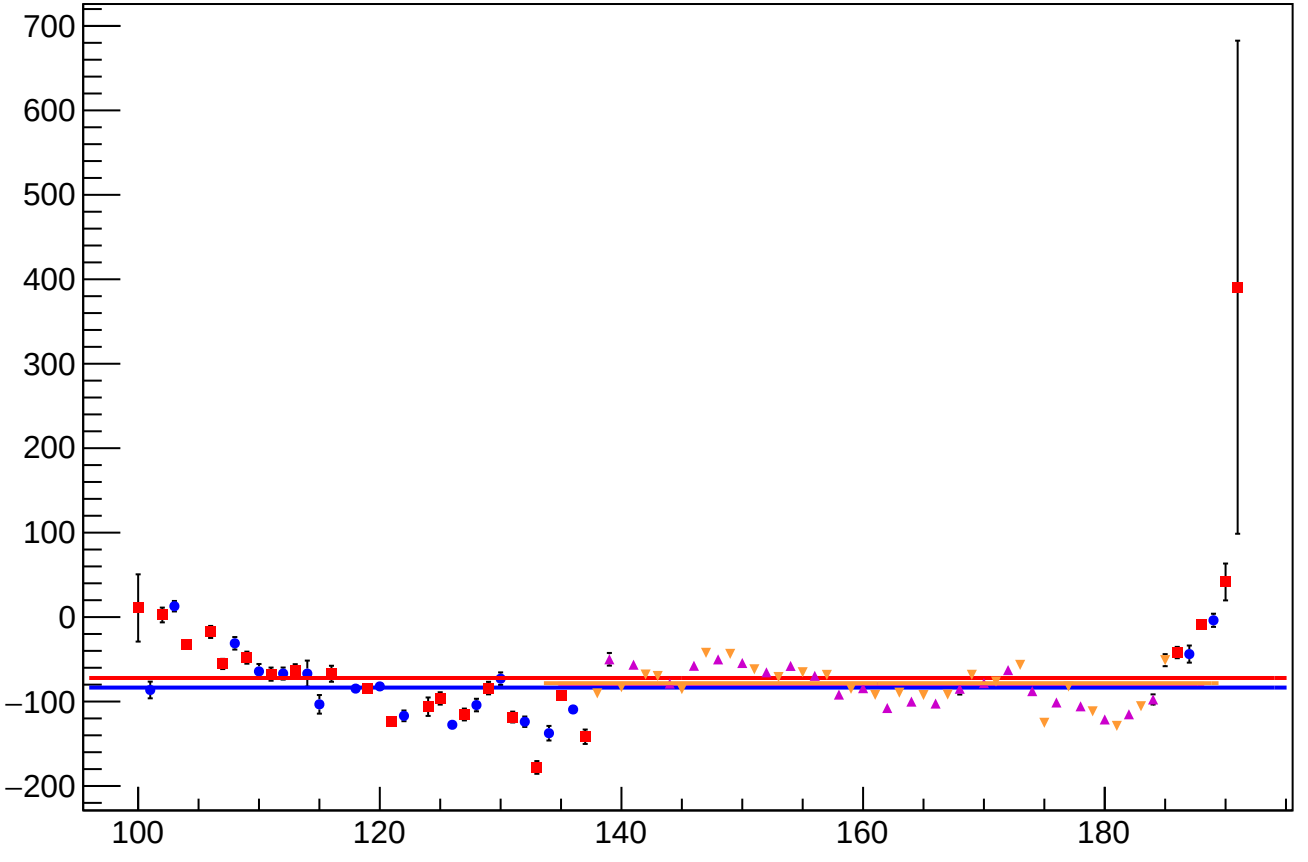
Left In: -257.600+/-0.985 χ^2/NDF:1808.1/22

+ sign -274.763+/-0.773 χ^2/NDF: 6489.1/42

All: -279.671+/-0.527 χ^2/NDF: 14855.4/88

- sign -283.938+/-0.721 χ^2/NDF: 8291.0/45

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: -72.112+/-1.453 χ^2/NDF: 931.3/22

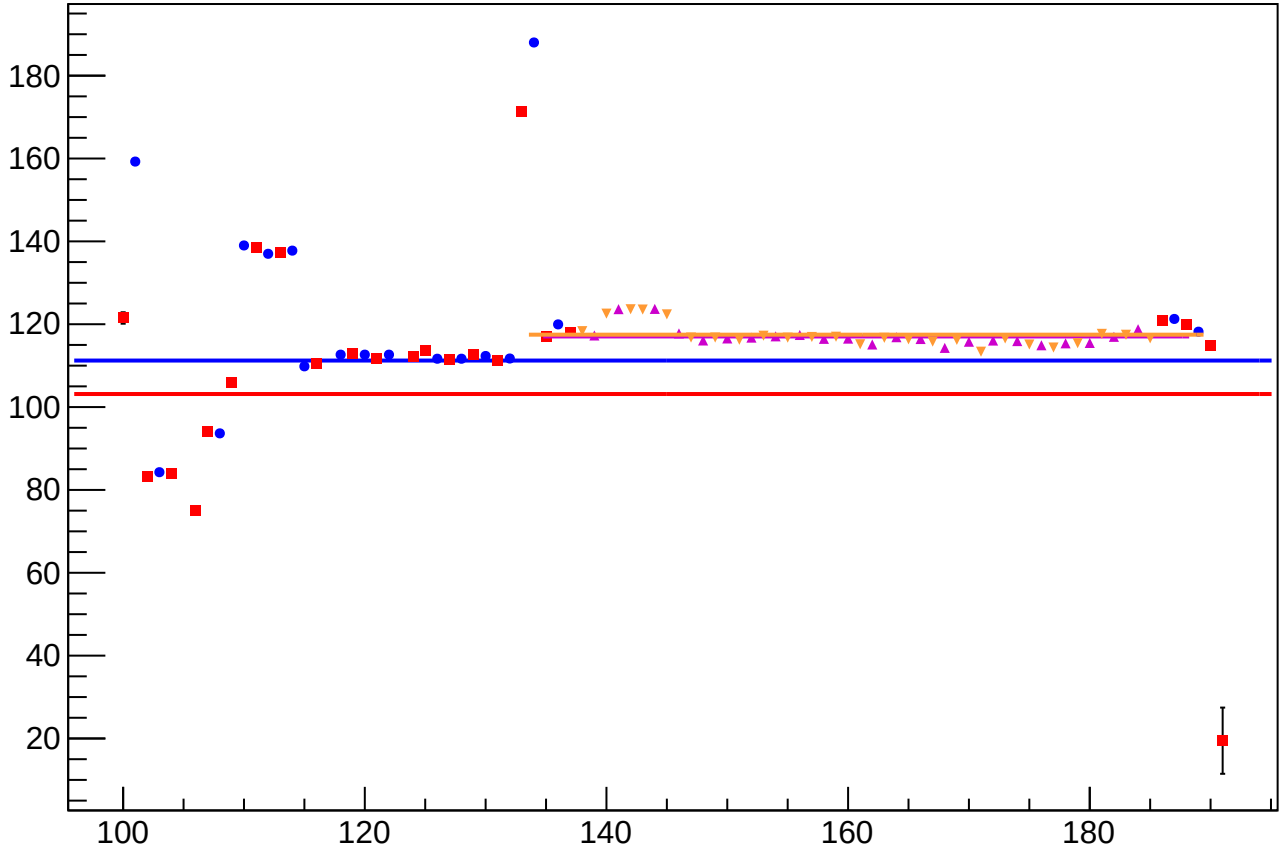
Left In: -79.066+/-0.849 χ^2/NDF:702.6/22

+ sign -79.368+/-0.729 χ^2/NDF: 1516.1/42

All: -78.338+/-0.517 χ^2/NDF: 3171.2/88

- sign -77.297+/-0.733 χ^2/NDF: 1651.0/45

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: 103.152+/-0.076 χ^2/NDF: 68466.1/22

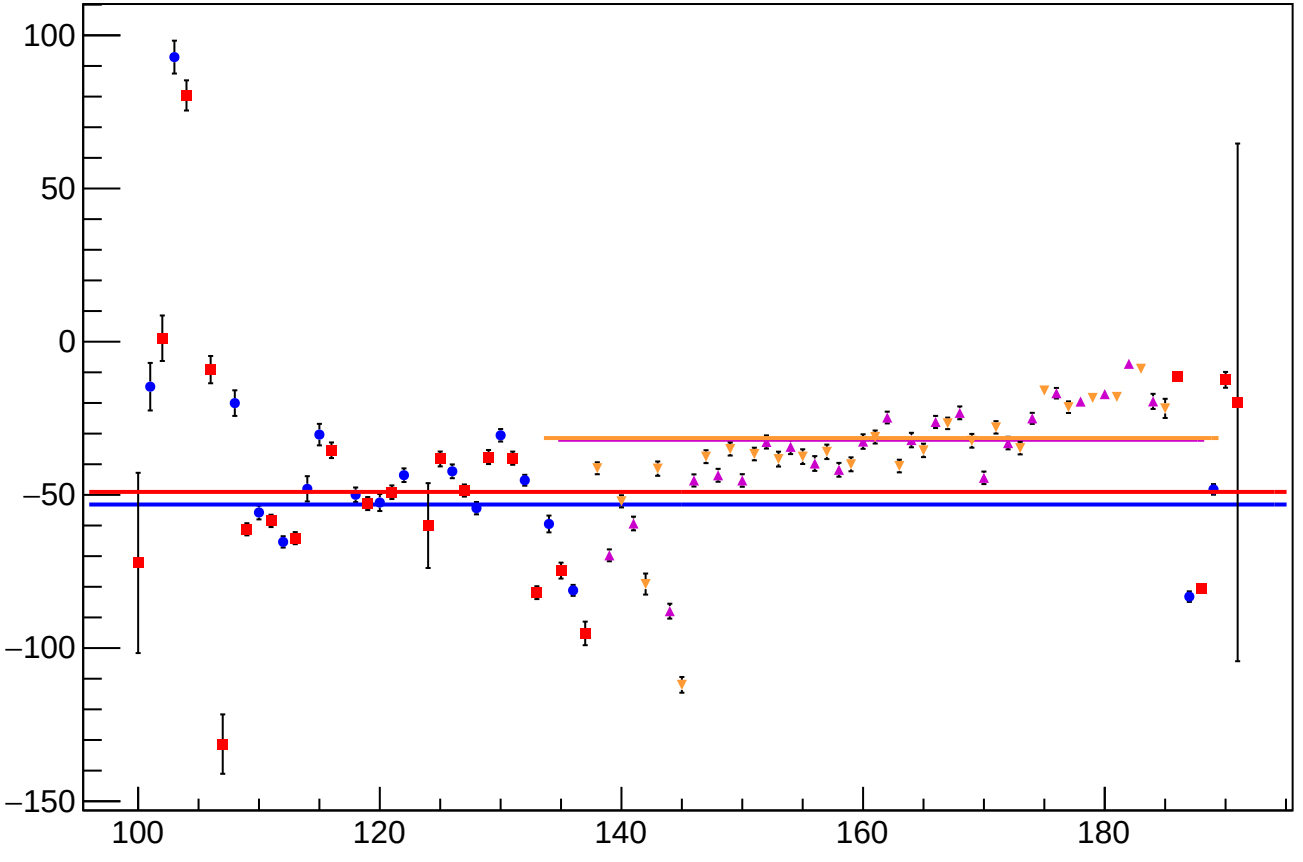
Left In: 117.046+/-0.039 χ^2/NDF:3343.0/22

+ sign 116.391+/-0.035 χ^2/NDF: 93647.7/42

All: 115.290+/-0.024 χ^2/NDF: 194029.0/88

- sign 114.198+/-0.034 χ^2/NDF: 98359.1/45

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: -49.031+/-0.457 χ^2/NDF: 4077.3/22

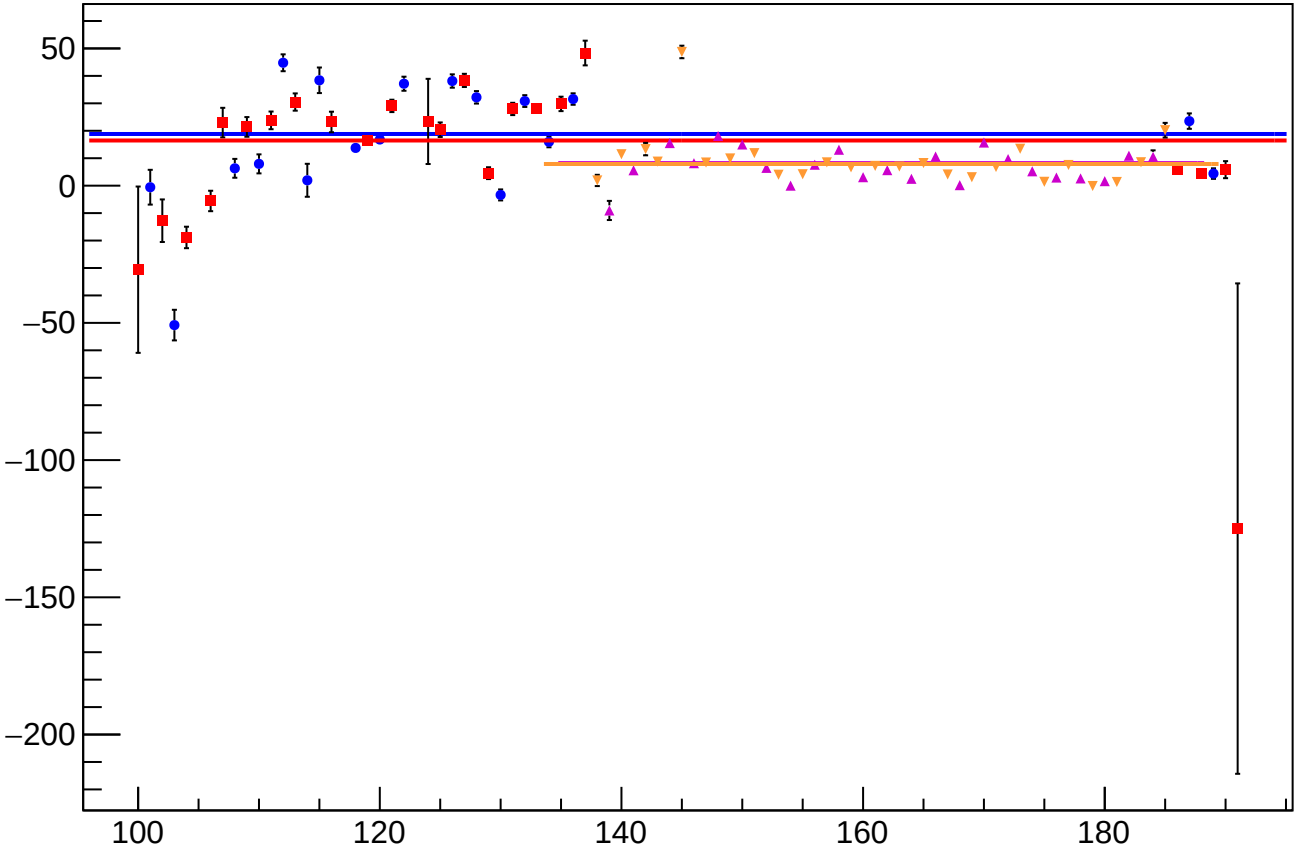
Left In: -32.015+/-0.409 χ^2/NDF:1913.4/22

+ sign -39.004+/-0.322 χ^2/NDF: 4686.8/42

All: -39.307+/-0.221 χ^2/NDF: 11448.1/88

- sign -39.578+/-0.305 χ^2/NDF: 6759.6/45

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: 16.461+/-0.512 χ^2/NDF: 628.5/22

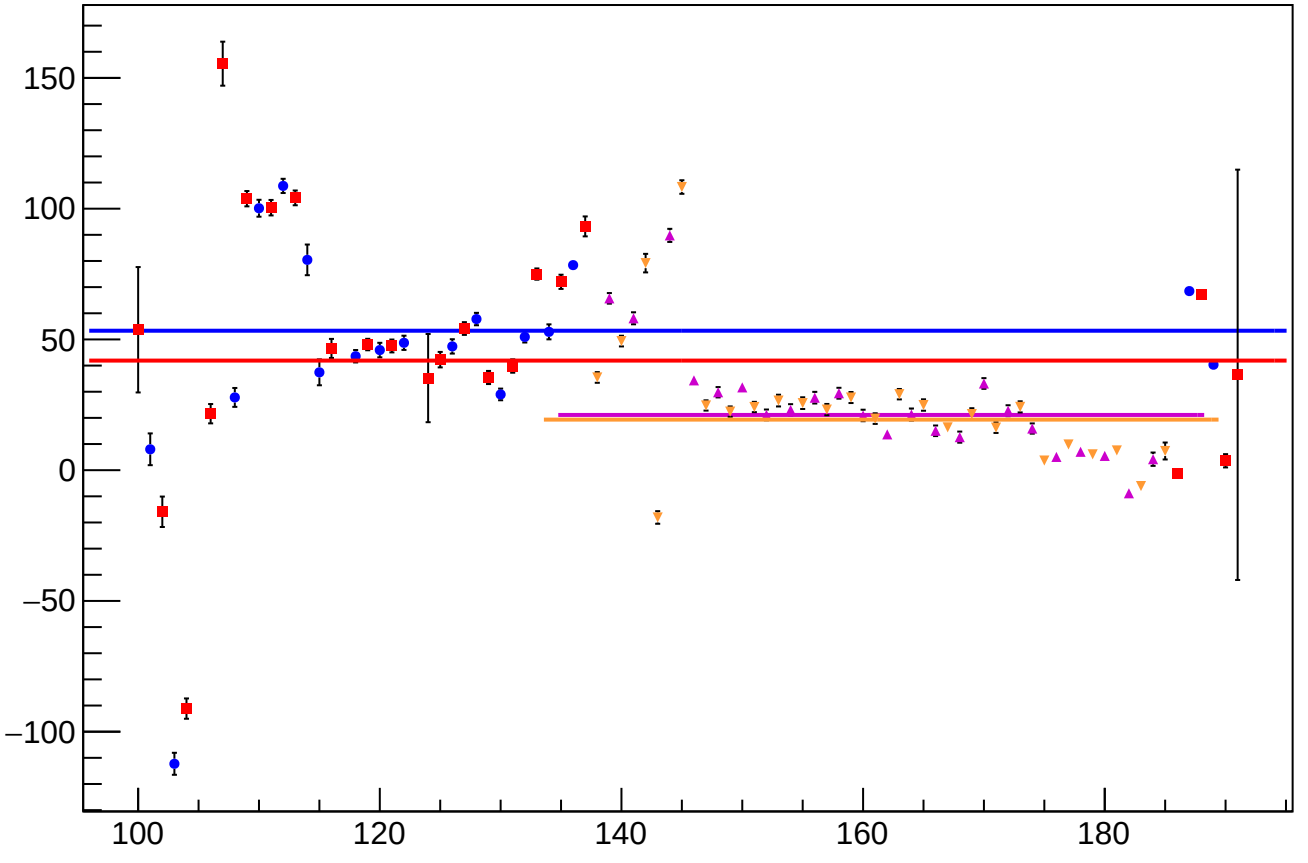
Left In: 8.223+/-0.316 χ^2/NDF:338.8/22

+ sign 10.310+/-0.268 χ^2/NDF: 1475.7/42

All: 10.398+/-0.190 χ^2/NDF: 2630.6/88

- sign 10.487+/-0.269 χ^2/NDF: 1154.7/45

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: 41.910+/-0.442 χ^2/NDF: 7241.9/22

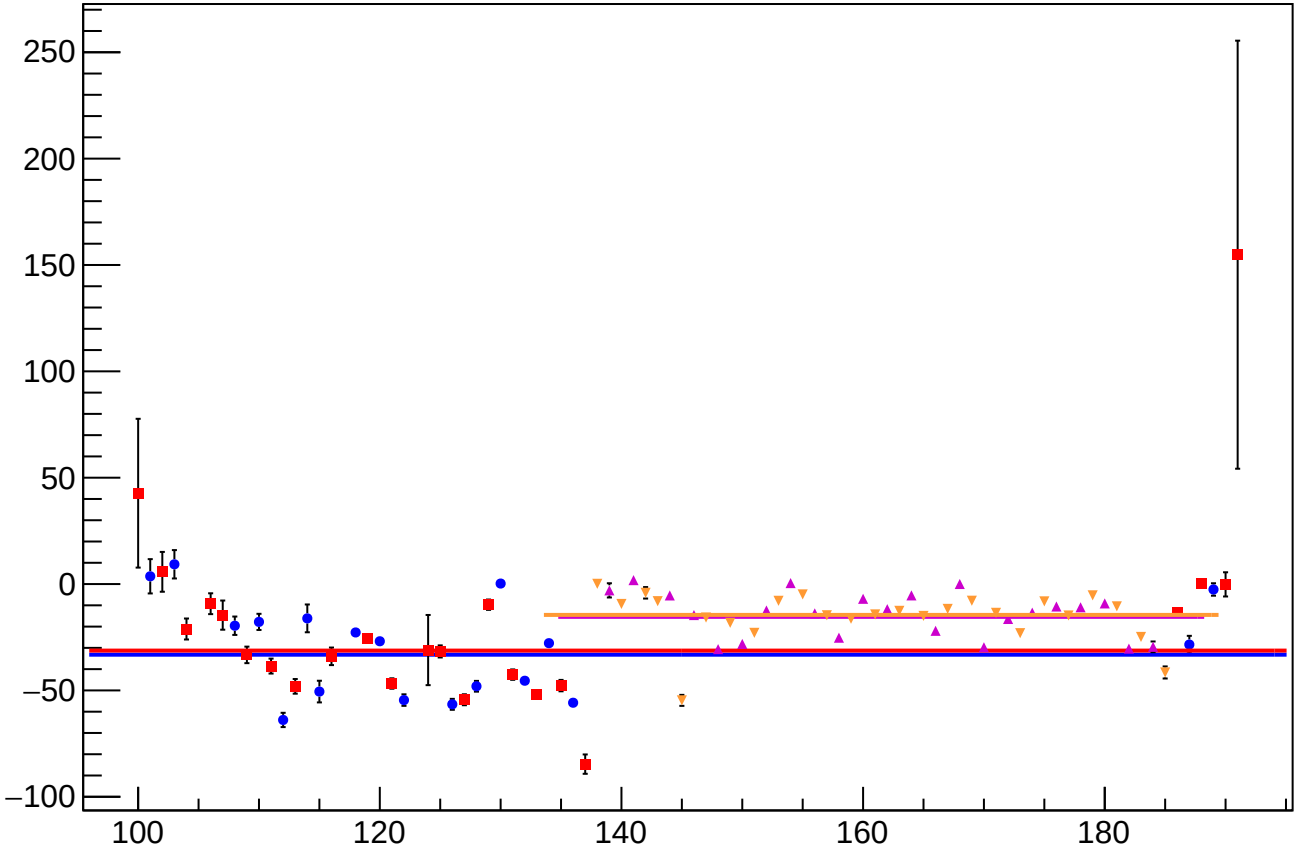
Left In: 21.124+/-0.405 χ^2/NDF:2504.8/22

+ sign 30.255+/-0.326 χ^2/NDF: 7906.6/42

All: 30.442+/-0.220 χ^2/NDF: 18856.0/88

- sign 30.599+/-0.299 χ^2/NDF: 10948.8/45

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: -31.279+/-0.632 χ^2/NDF: 964.8/22

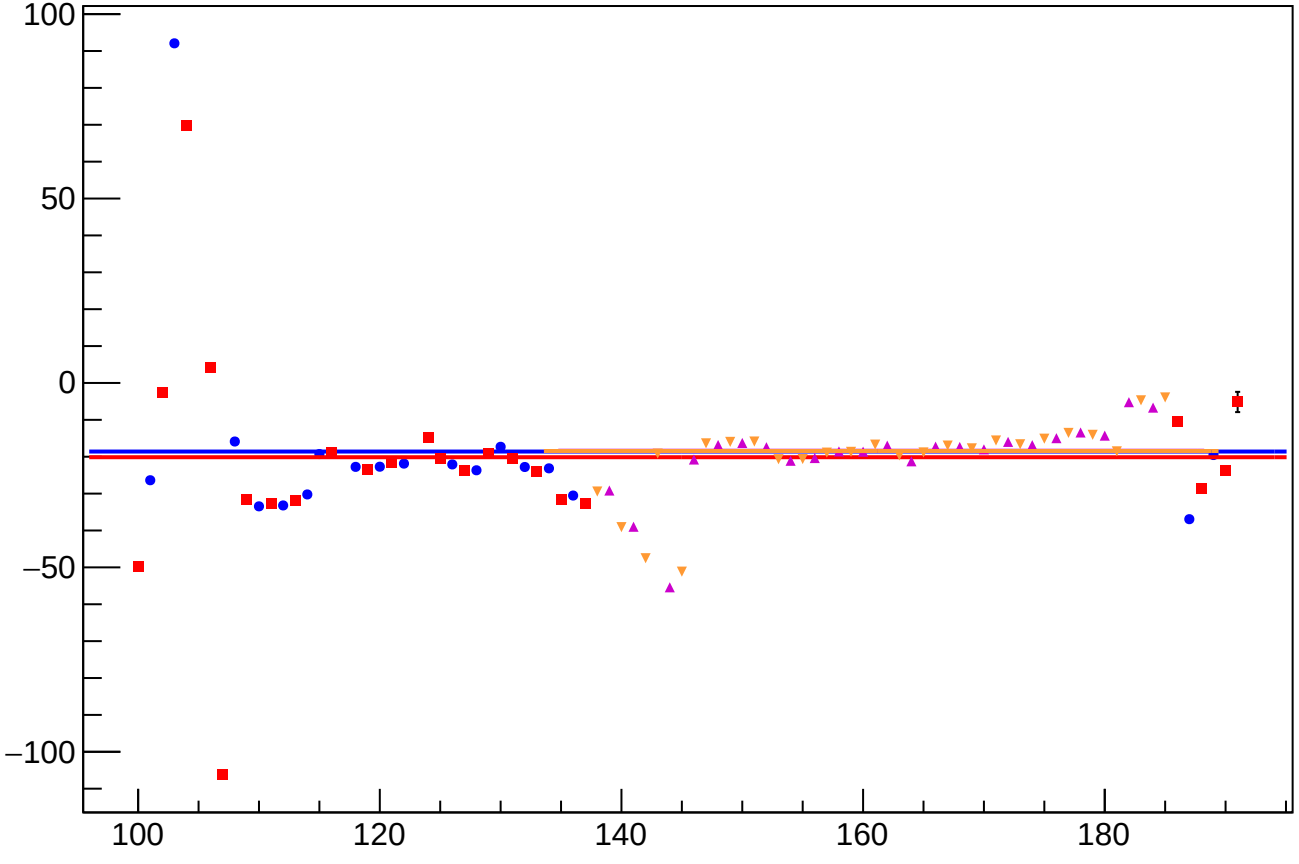
Left In: -15.417+/-0.355 χ^2/NDF:798.7/22

+ sign -18.388+/-0.306 χ^2/NDF: 2147.4/42

All: -18.805+/-0.218 χ^2/NDF: 4393.8/88

- sign -19.231+/-0.310 χ^2/NDF: 2242.7/45

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: -20.135+/-0.039 χ^2/NDF: 357496.7/22

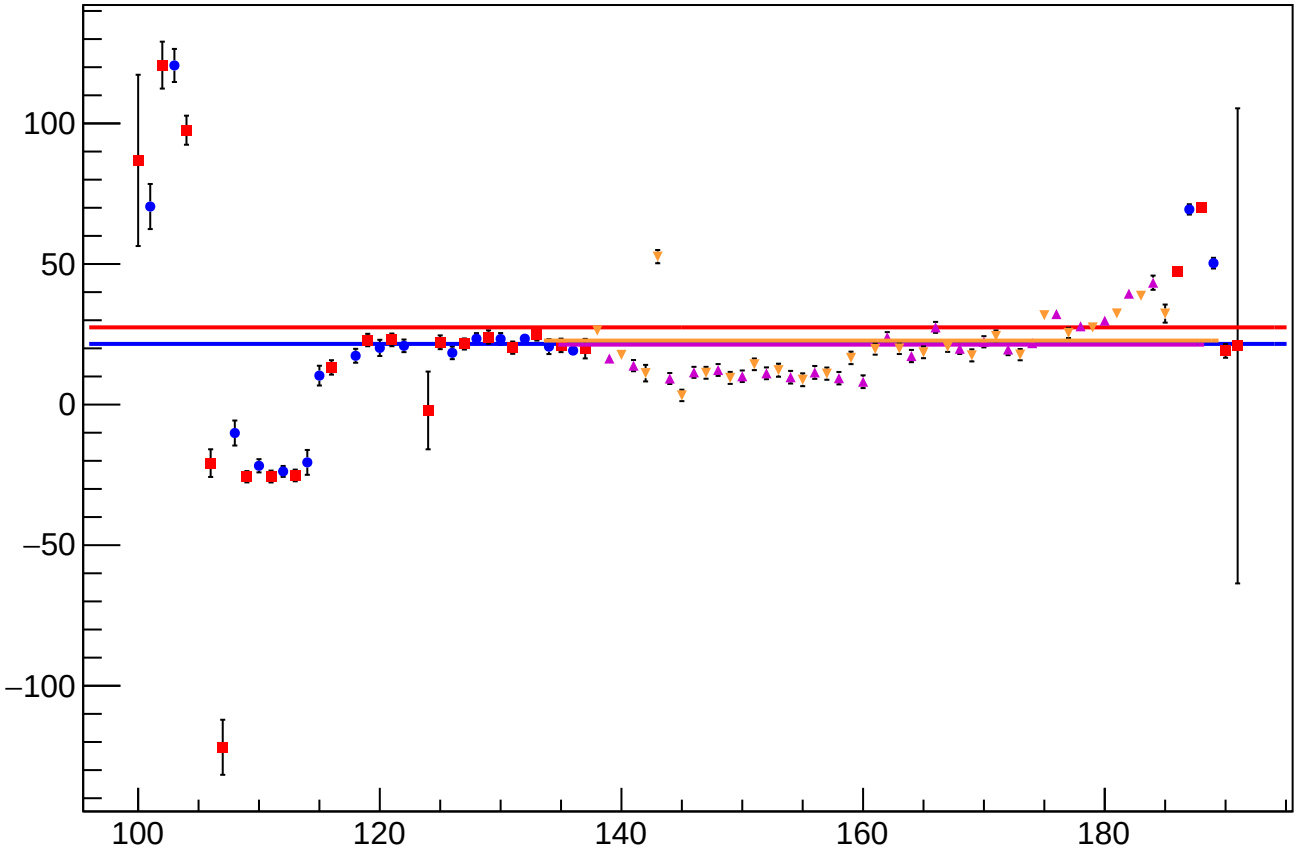
Left In: -18.378+/-0.016 χ^2/NDF:250040.9/22

+ sign -18.468+/-0.014 χ^2/NDF: 728418.7/42

All: -18.544+/-0.010 χ^2/NDF: 1337739.3/88

- sign -18.622+/-0.015 χ^2/NDF: 609264.8/45

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: 27.471+/-0.483 χ^2/NDF: 4521.9/22

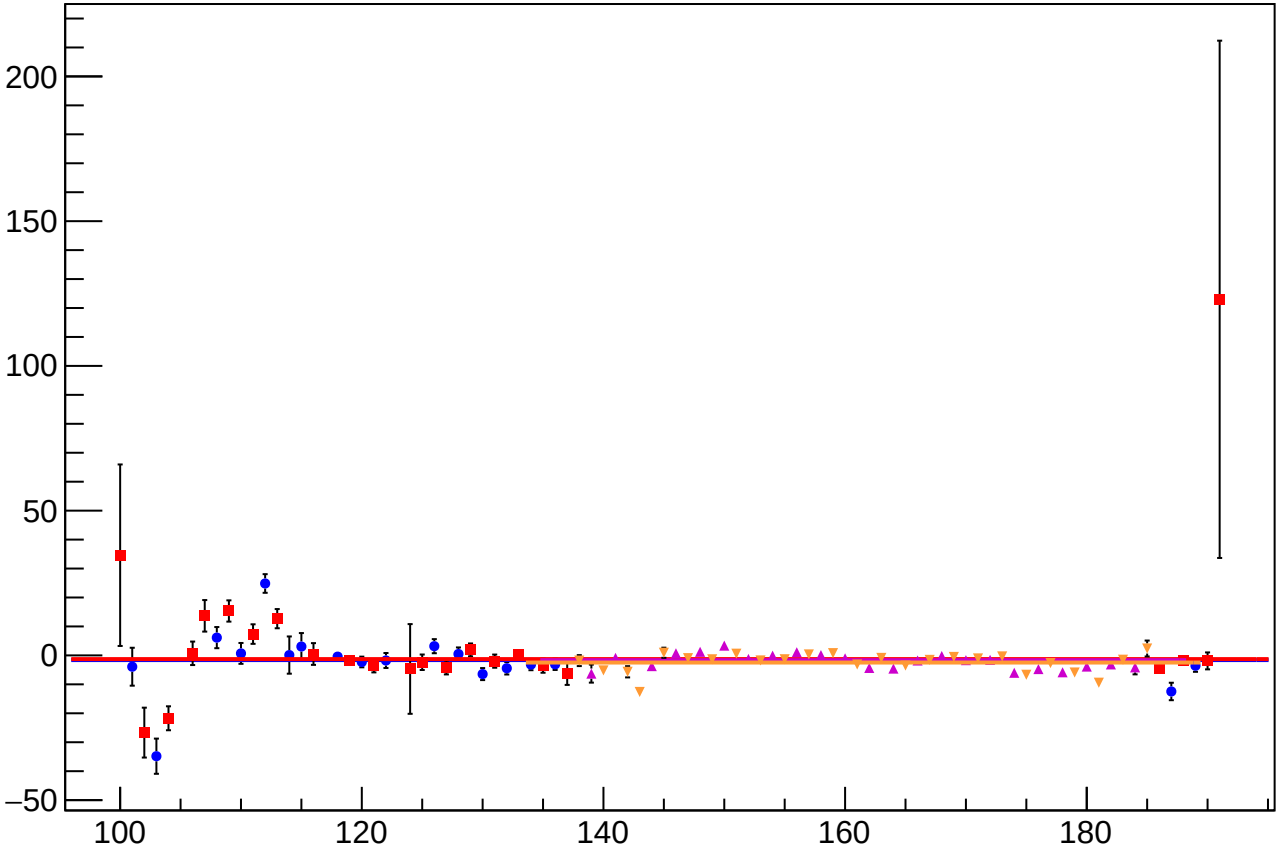
Left In: 21.325+/-0.393 χ^2/NDF:629.9/22

+ sign 22.389+/-0.315 χ^2/NDF: 2996.0/42

All: 23.104+/-0.219 χ^2/NDF: 8255.2/88

- sign 23.771+/-0.305 χ^2/NDF: 5249.2/45

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: -1.282+/-0.540 χ^2/NDF: 101.3/22

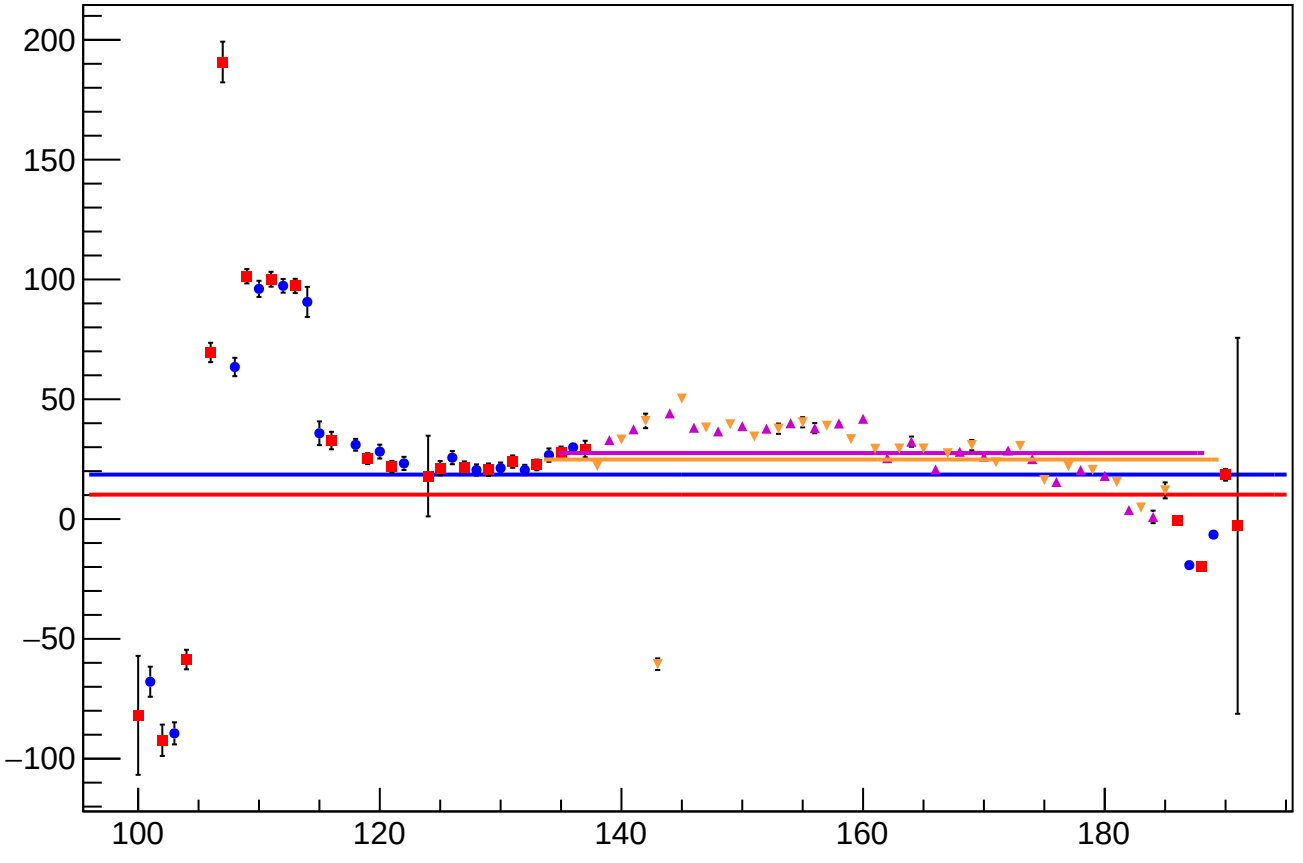
Left In: -1.659+/-0.304 χ^2/NDF:70.2/22

+ sign -2.297+/-0.262 χ^2/NDF: 249.6/42

All: -1.937+/-0.186 χ^2/NDF: 425.3/88

- sign -1.569+/-0.265 χ^2/NDF: 171.9/45

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: 10.205+/-0.477 χ^2/NDF: 5456.1/22

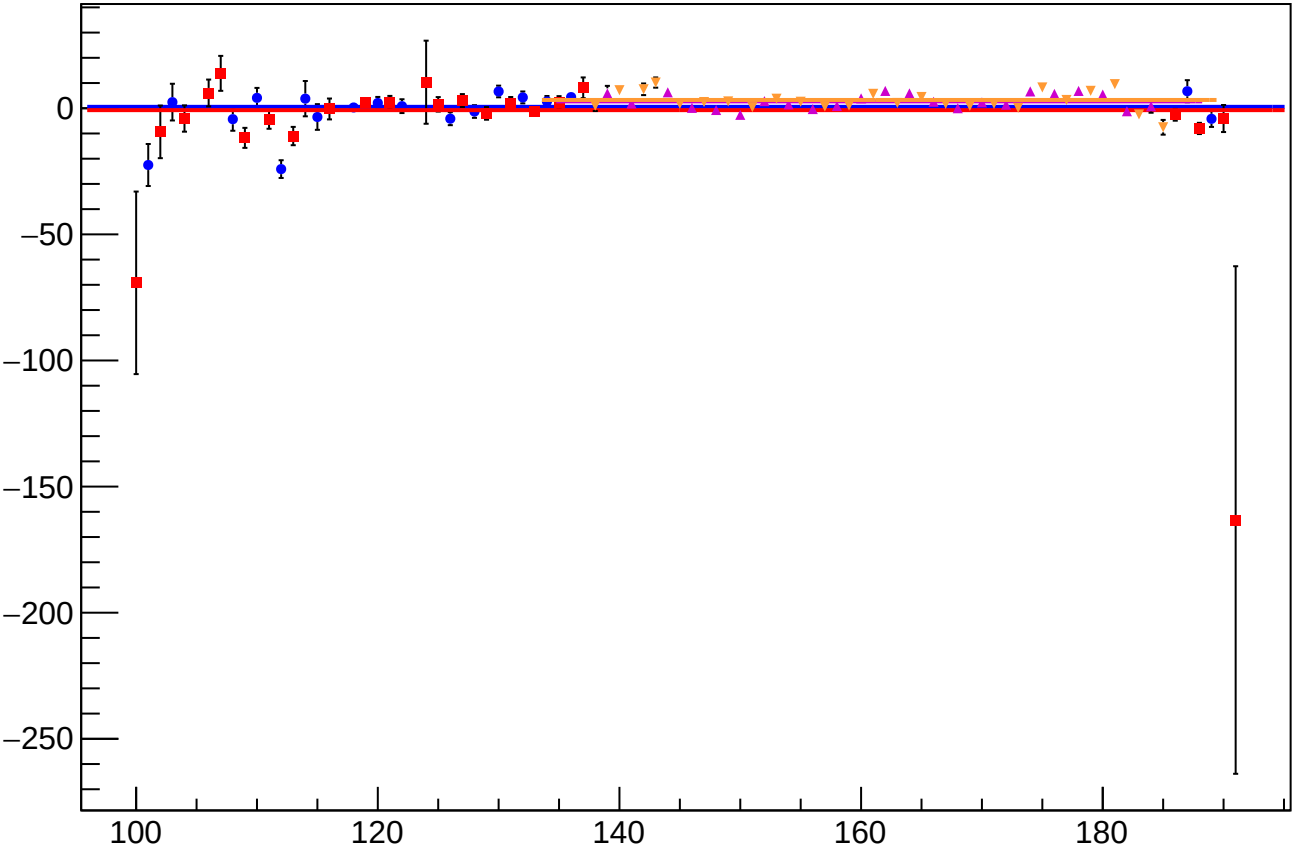
Left In: 27.551+/-0.389 χ^2/NDF:881.9/22

+ sign 23.017+/-0.320 χ^2/NDF: 5407.7/42

All: 21.749+/-0.219 χ^2/NDF: 12570.1/88

- sign 20.622+/-0.301 χ^2/NDF: 7132.7/45

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: -0.747+/-0.657 χ^2/NDF: 56.7/22

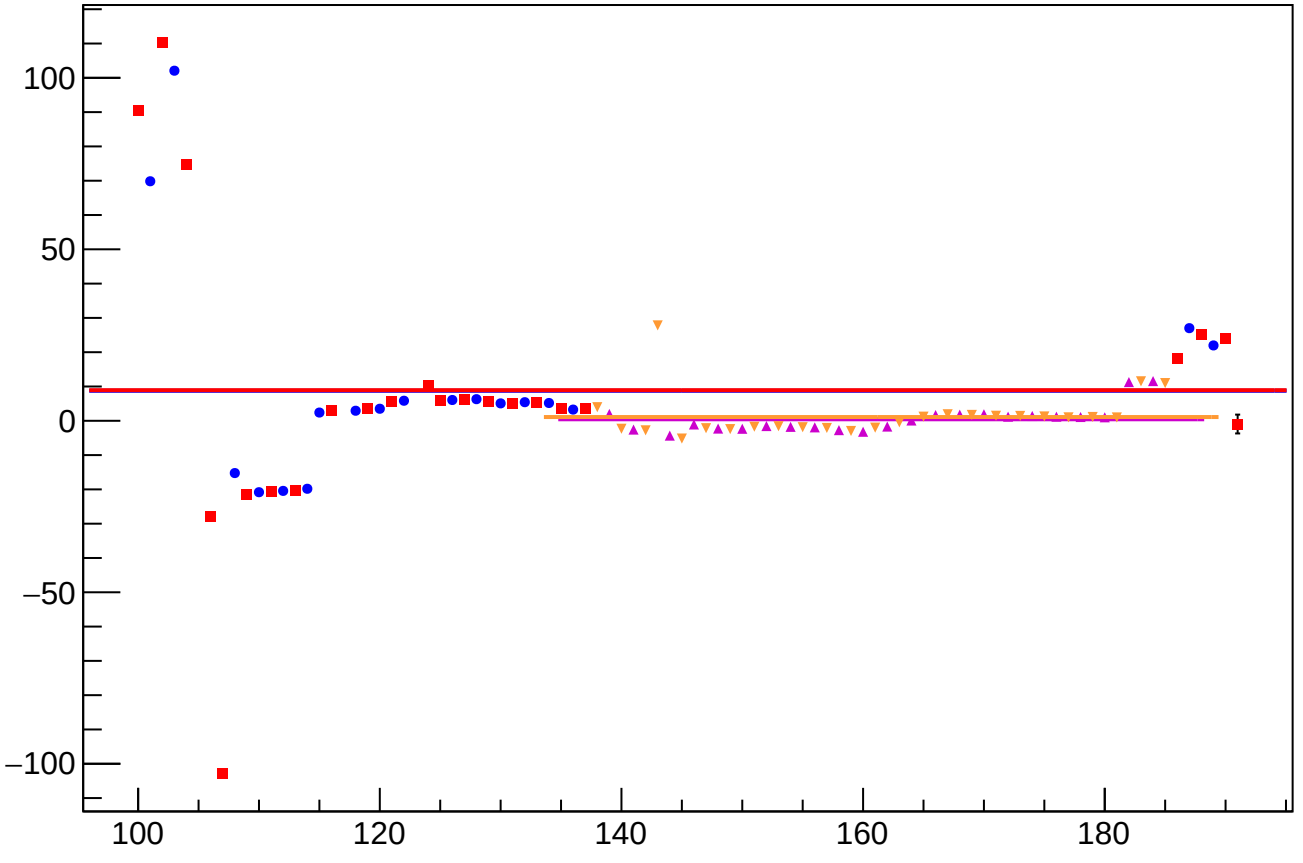
Left In: 2.730+/-0.342 χ^2/NDF:74.5/22

+ sign 2.764+/-0.298 χ^2/NDF: 201.9/42

All: 2.383+/-0.213 χ^2/NDF: 358.5/88

- sign 1.988+/-0.303 χ^2/NDF: 153.2/45

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: 8.922+/-0.040 χ^2/NDF: 478132.7/22

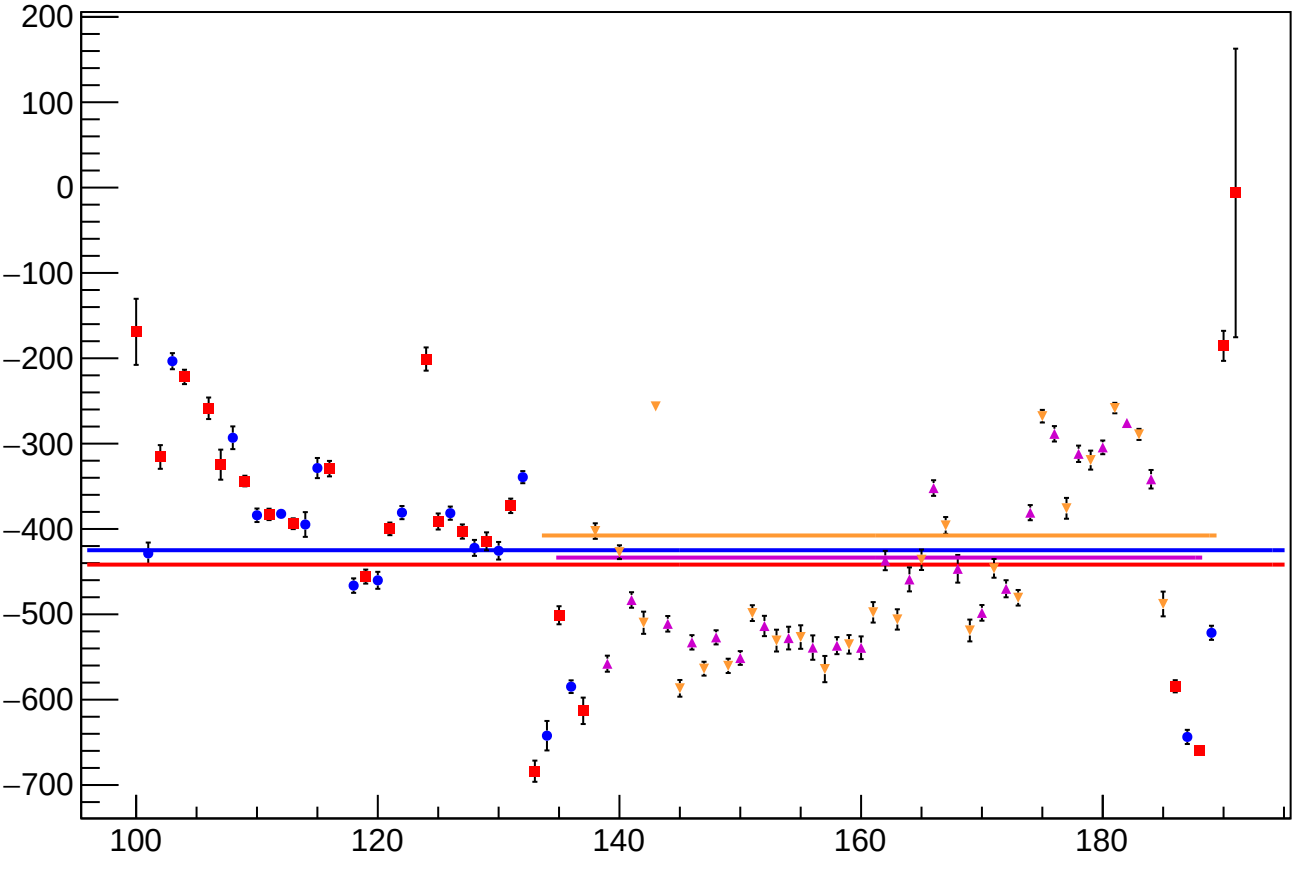
Left In: 0.443+/-0.015 χ^2/NDF:53446.3/22

+ sign 2.010+/-0.014 χ^2/NDF: 499011.0/42

All: 1.754+/-0.010 χ^2/NDF: 1070336.0/88

- sign 1.491+/-0.014 χ^2/NDF: 570640.7/45

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: -441.753+/-1.837 χ^2/NDF: 5692.2/22

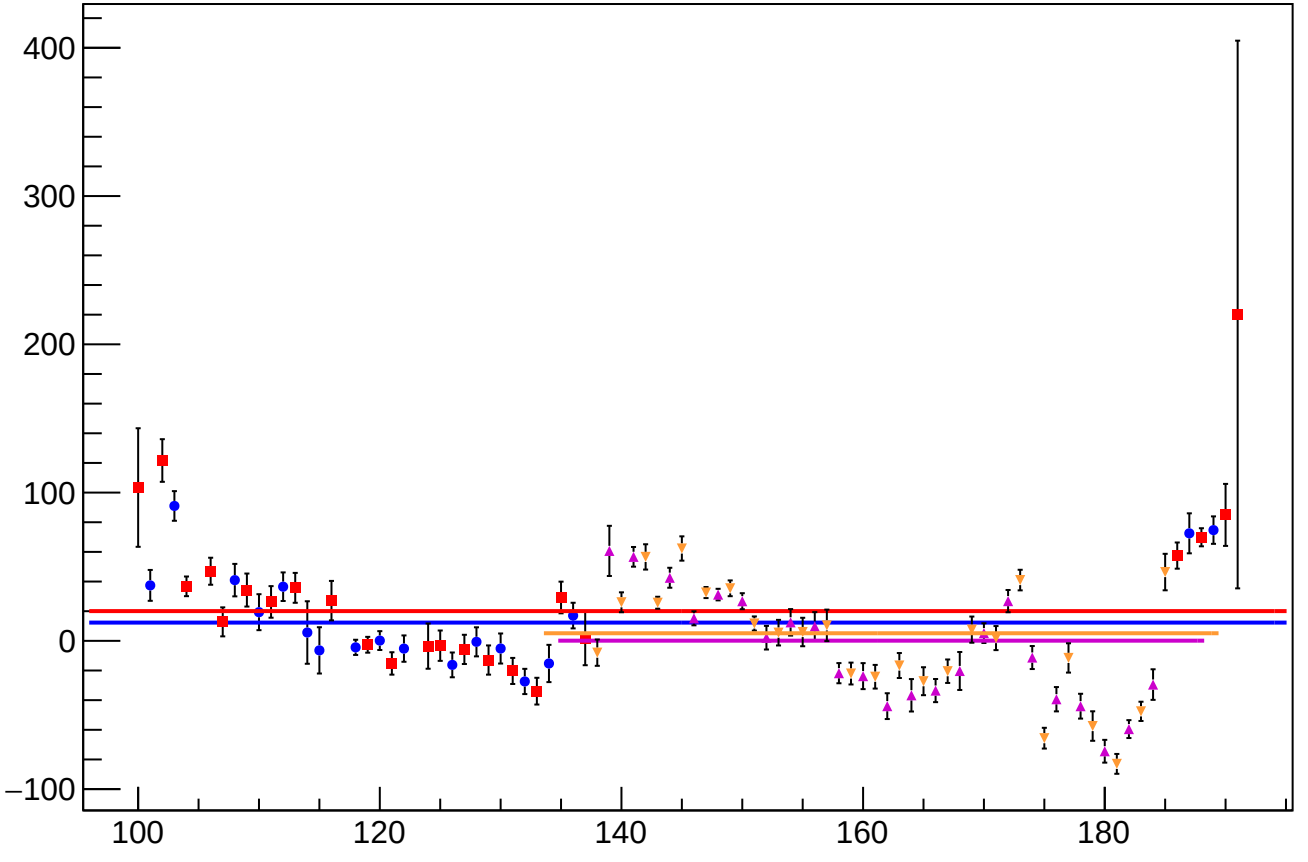
Left In: -433.529+/-1.993 χ^2/NDF:2724.5/22

+ sign -415.291+/-1.392 χ^2/NDF: 6542.9/42

All: -426.977+/-0.970 χ^2/NDF: 15105.5/88

- sign -437.975+/-1.351 χ^2/NDF: 8425.9/45

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: 20.067+/-2.003 χ^2/NDF: 294.3/22

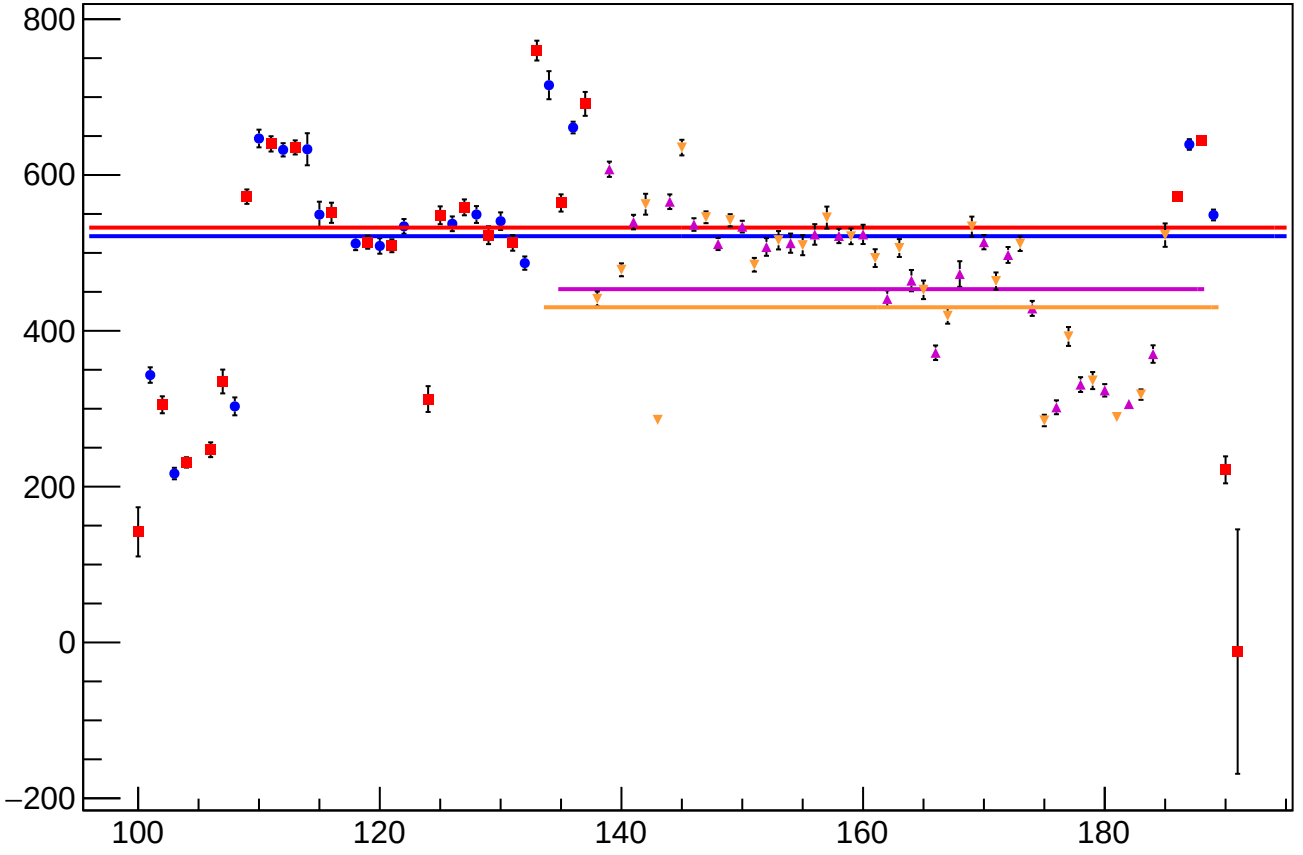
Left In: 0.124+/-1.489 χ^2/NDF:568.6/22

+ sign 7.191+/-1.164 χ^2/NDF: 906.5/42

All: 7.207+/-0.834 χ^2/NDF: 1833.1/88

- sign 7.223+/-1.195 χ^2/NDF: 926.6/45

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: 532.490+/-1.863 χ^2/NDF: 6015.3/22

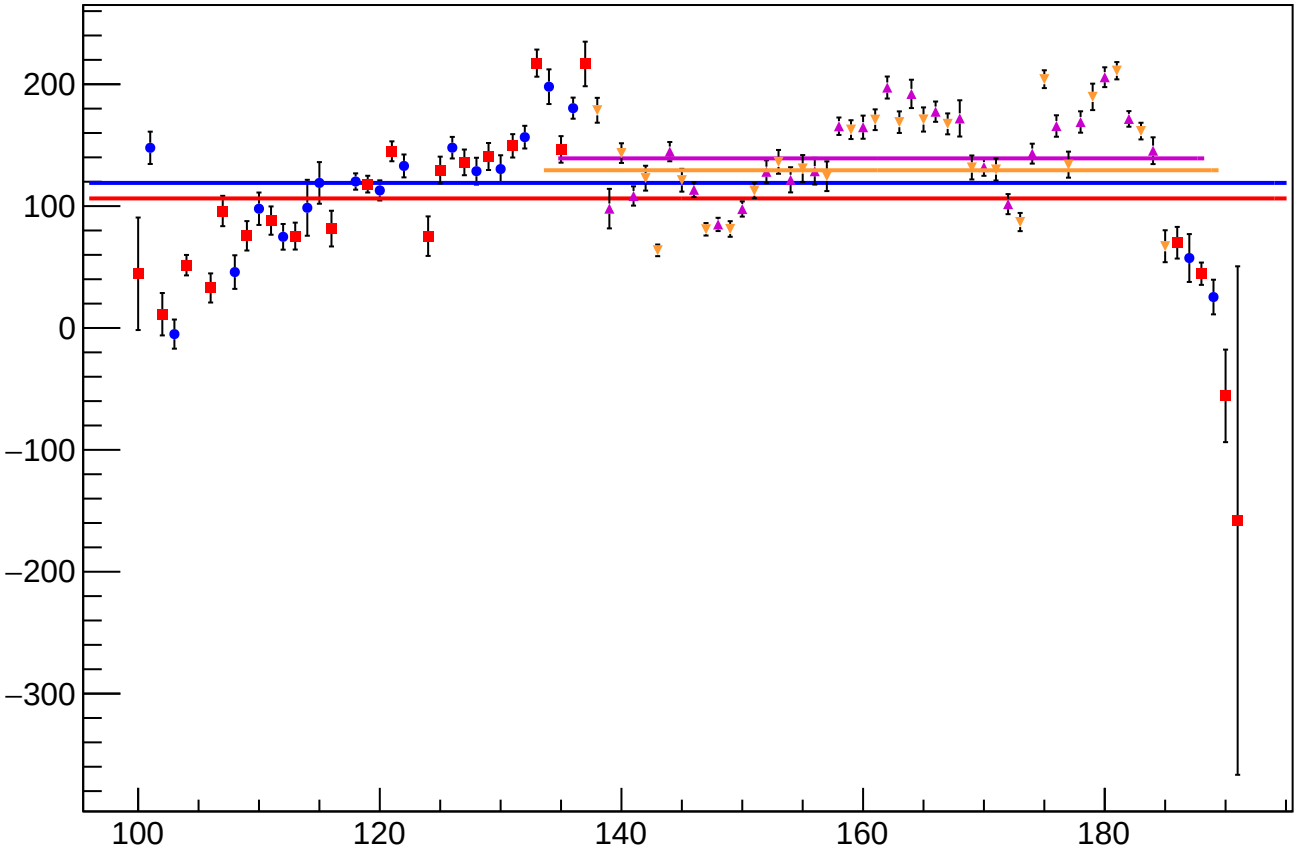
Left In: 453.496+/-1.974 χ^2/NDF:2419.7/22

+ sign 467.941+/-1.426 χ^2/NDF: 7906.5/42

All: 482.306+/-0.982 χ^2/NDF: 17381.8/88

- sign 495.279+/-1.355 χ^2/NDF: 9282.1/45

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: 106.304+/-2.404 χ^2/NDF: 426.3/22

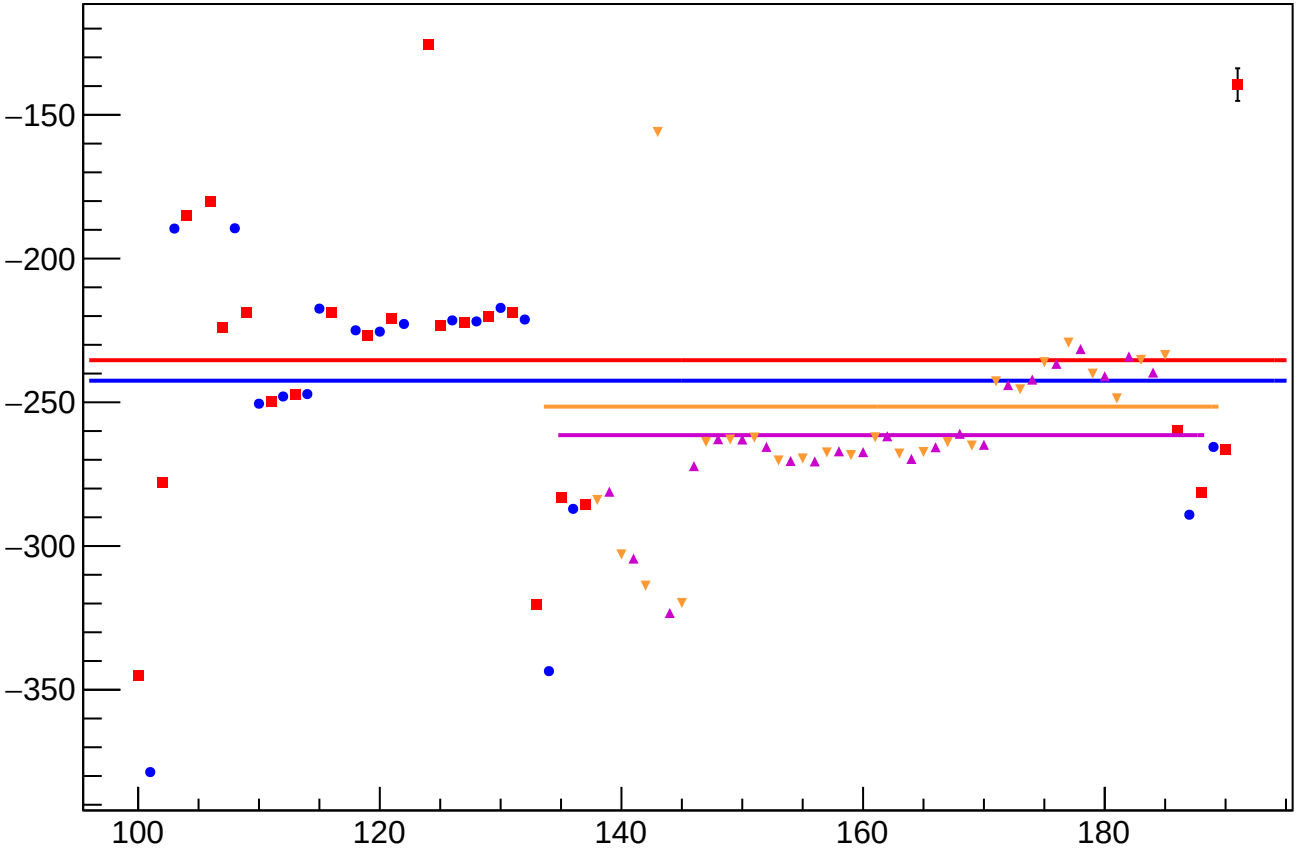
Left In: 139.163+/-1.705 χ^2/NDF:434.2/22

\+ sign 126.524+/-1.352 χ^2/NDF: 1153.4/42

All: 127.324+/-0.970 χ^2/NDF: 2138.9/88

\- sign 128.170+/-1.391 χ^2/NDF: 984.8/45

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: -235.351+/-0.138 χ^2/NDF: 95208.5/22

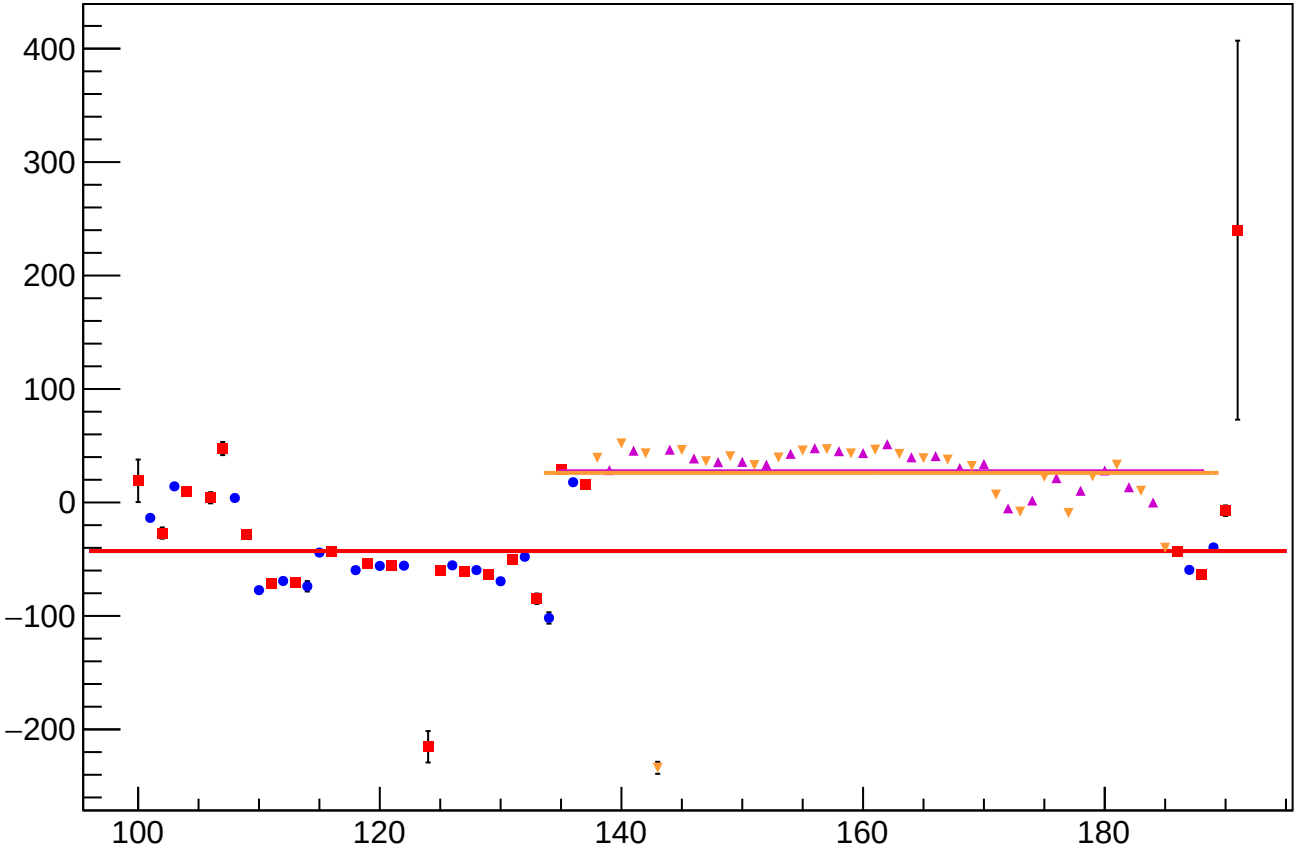
Left In: -261.425+/-0.078 χ^2/NDF:69557.7/22

+ sign -249.632+/-0.066 χ^2/NDF: 395333.7/42

All: -252.315+/-0.047 χ^2/NDF: 590571.3/88

- sign -255.114+/-0.068 χ^2/NDF: 191899.0/45

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: -42.772+/-0.576 χ^2/NDF: 2756.6/22

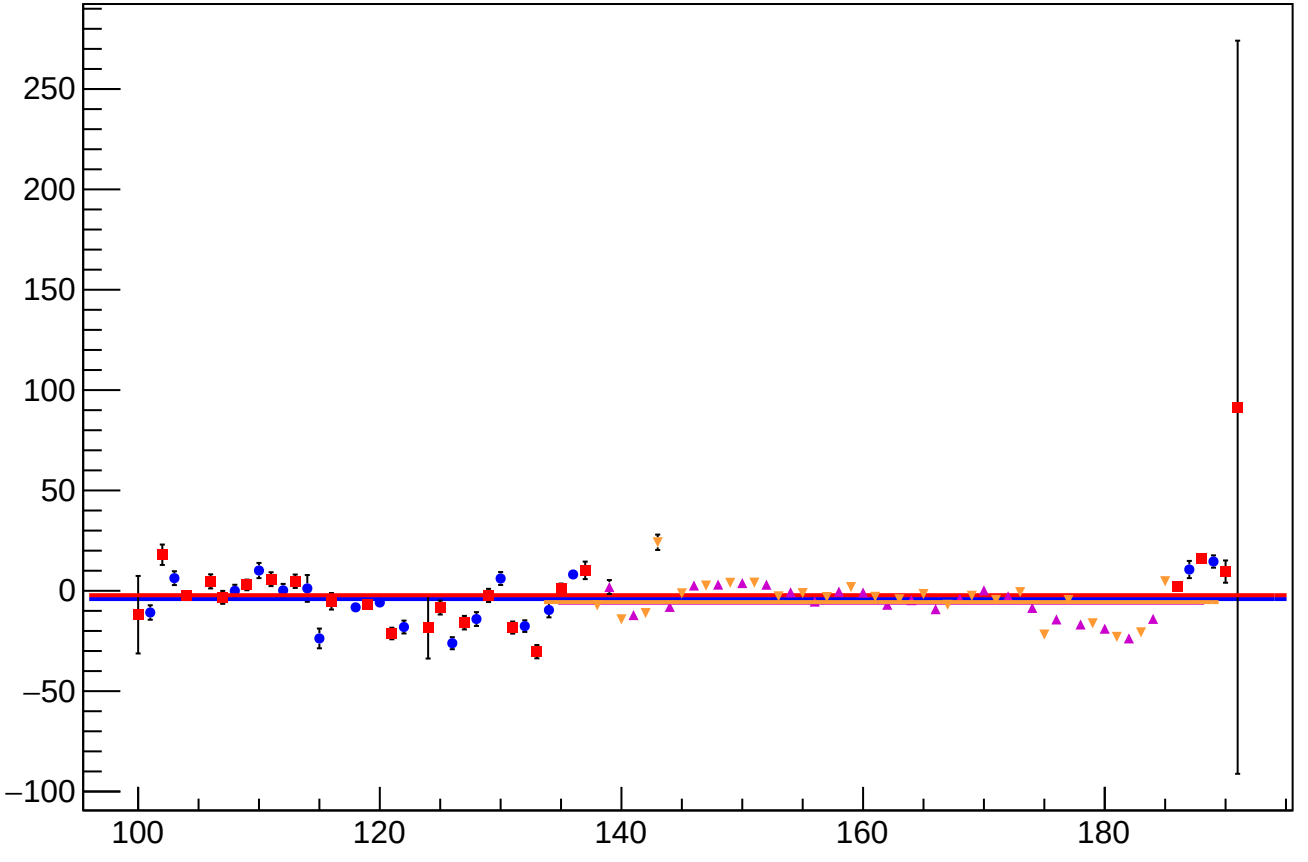
Left In: 27.466+/-0.396 χ^2/NDF:1608.9/22

\+ sign 8.900+/-0.338 χ^2/NDF: 15032.8/42

All: 6.843+/-0.235 χ^2/NDF: 29577.6/88

\- sign 4.924+/-0.326 χ^2/NDF: 14473.0/45

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: -2.194+/-0.657 χ^2/NDF: 298.0/22

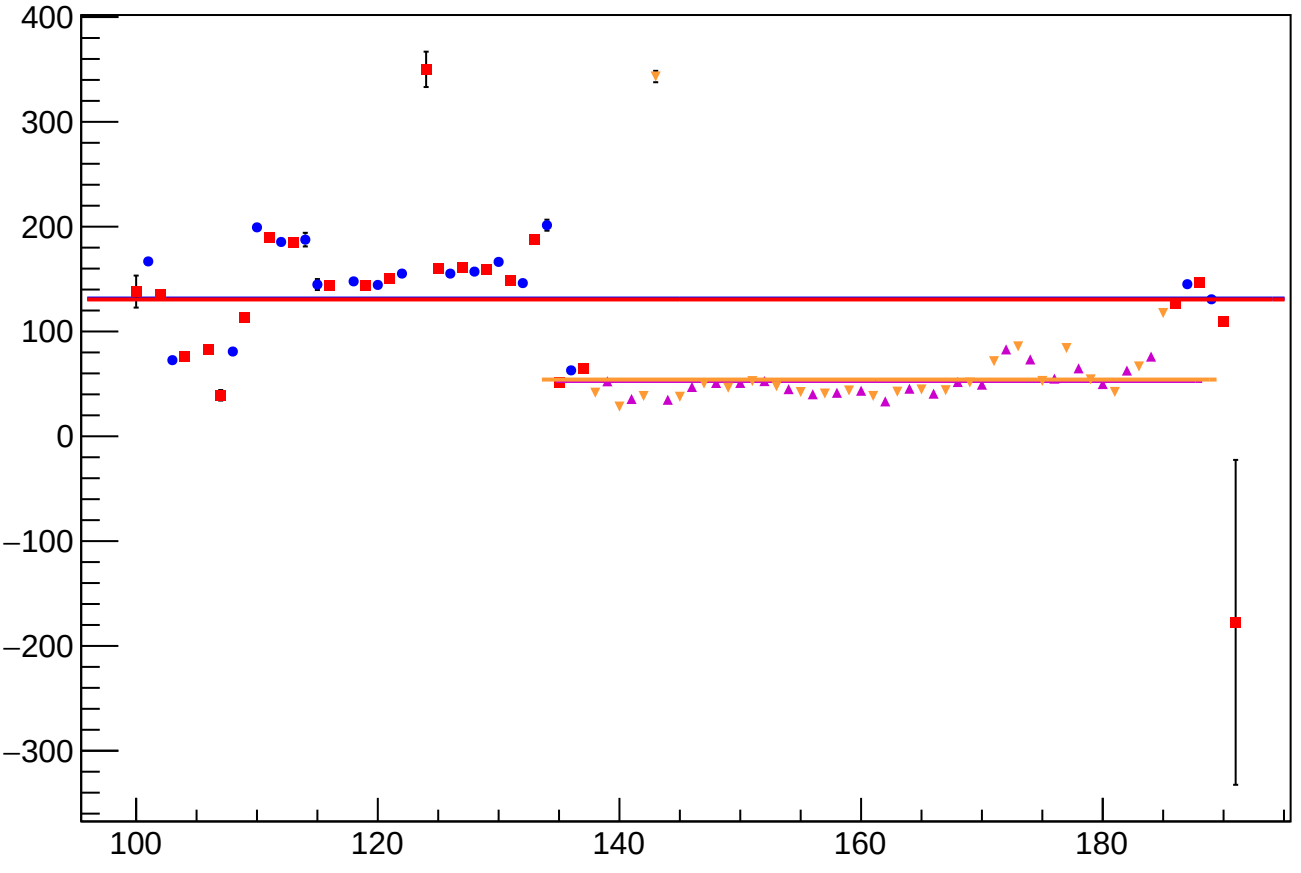
Left In: -5.940+/-0.309 χ^2/NDF:712.2/22

+ sign -5.400+/-0.278 χ^2/NDF: 1147.2/42

All: -5.331+/-0.197 χ^2/NDF: 2184.1/88

- sign -5.261+/-0.280 χ^2/NDF: 1036.8/45

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: 130.544+/-0.587 χ^2/NDF: 3761.3/22

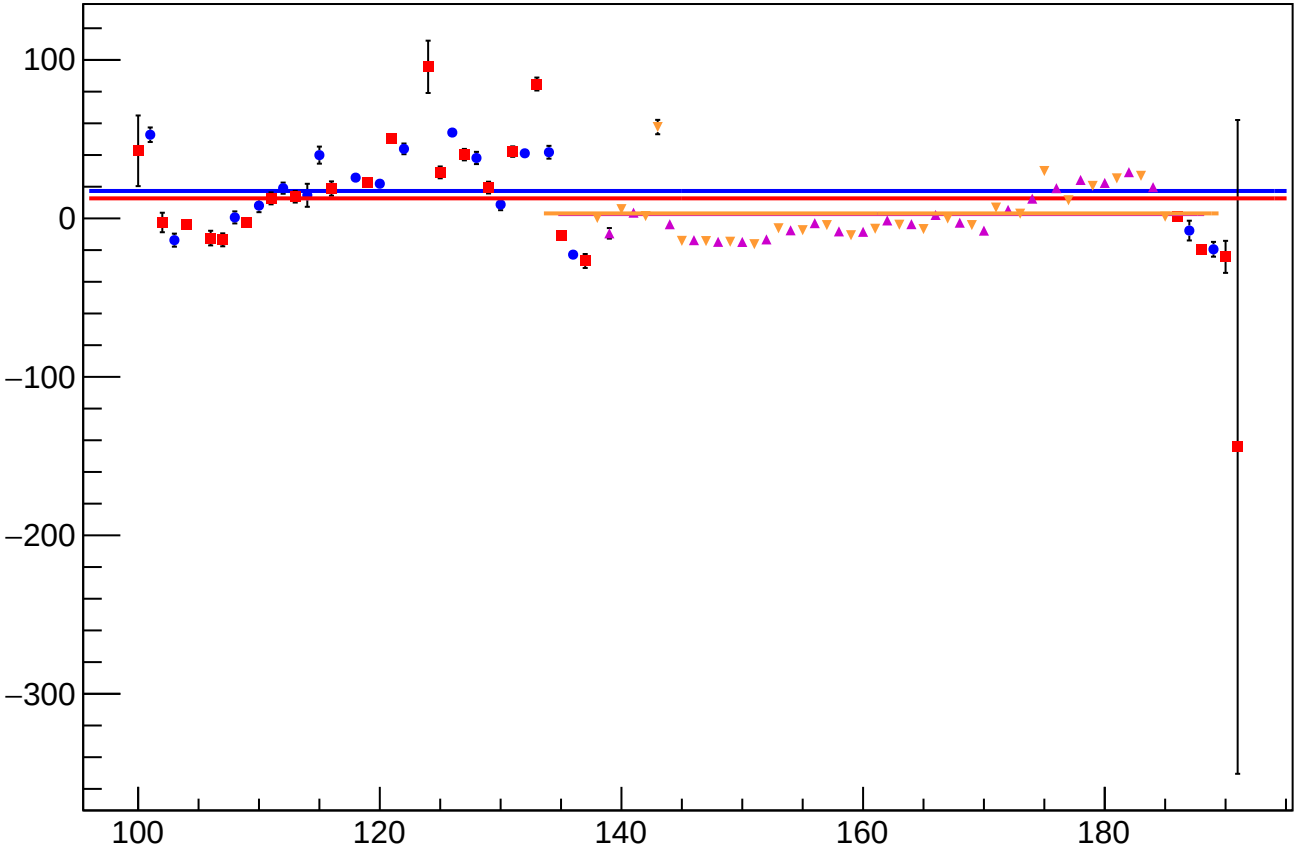
Left In: 52.797+/-0.393 χ^2/NDF:978.1/22

+ sign 71.661+/-0.341 χ^2/NDF: 17300.1/42

All: 74.341+/-0.236 χ^2/NDF: 34267.4/88

- sign 76.803+/-0.326 χ^2/NDF: 16848.5/45

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: 12.649+/-0.786 χ^2/NDF: 1094.1/22

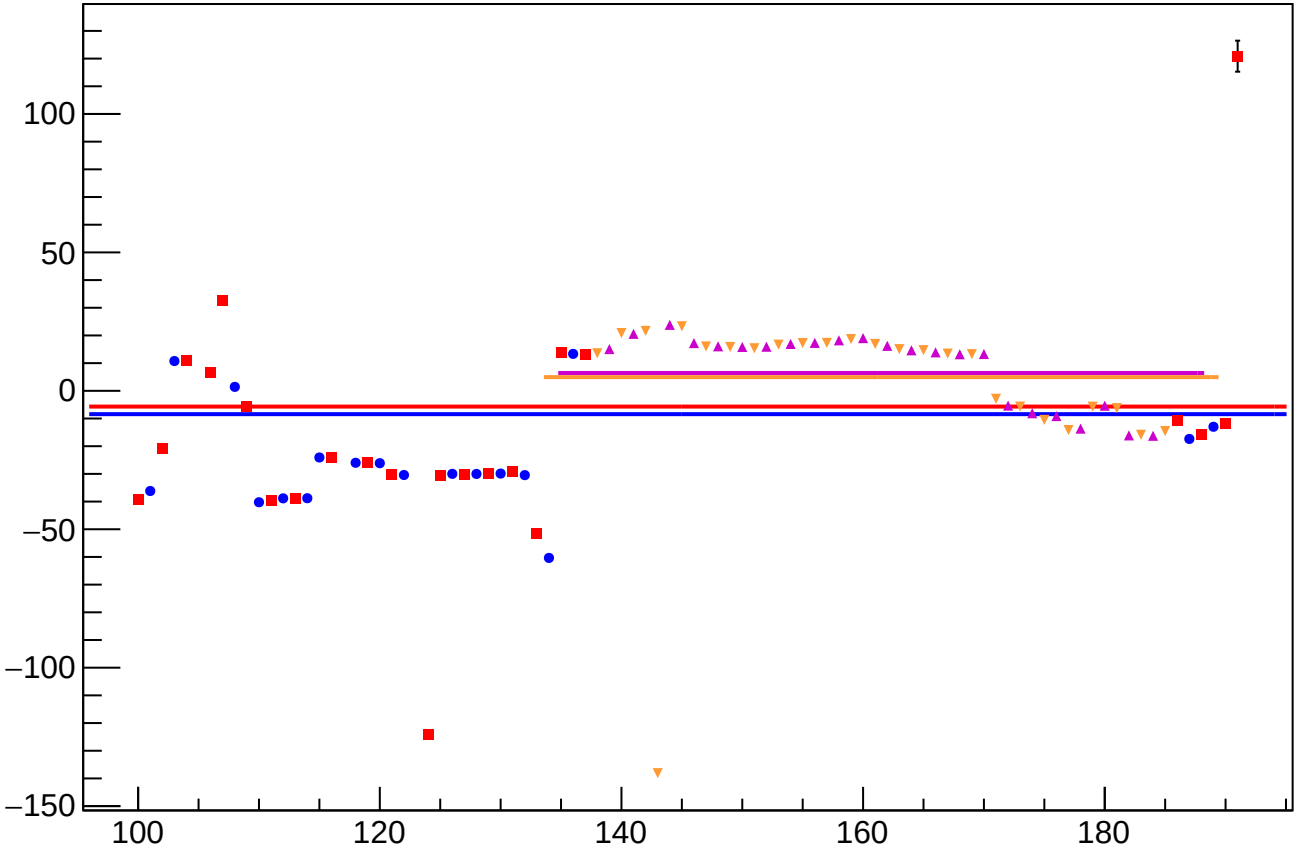
Left In: 2.722+/-0.347 χ^2/NDF:1735.2/22

+ sign 5.155+/-0.315 χ^2/NDF: 3197.7/42

All: 4.750+/-0.224 χ^2/NDF: 6163.8/88

- sign 4.338+/-0.317 χ^2/NDF: 2962.8/45

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: -5.687+/-0.044 χ^2/NDF: 234485.6/22

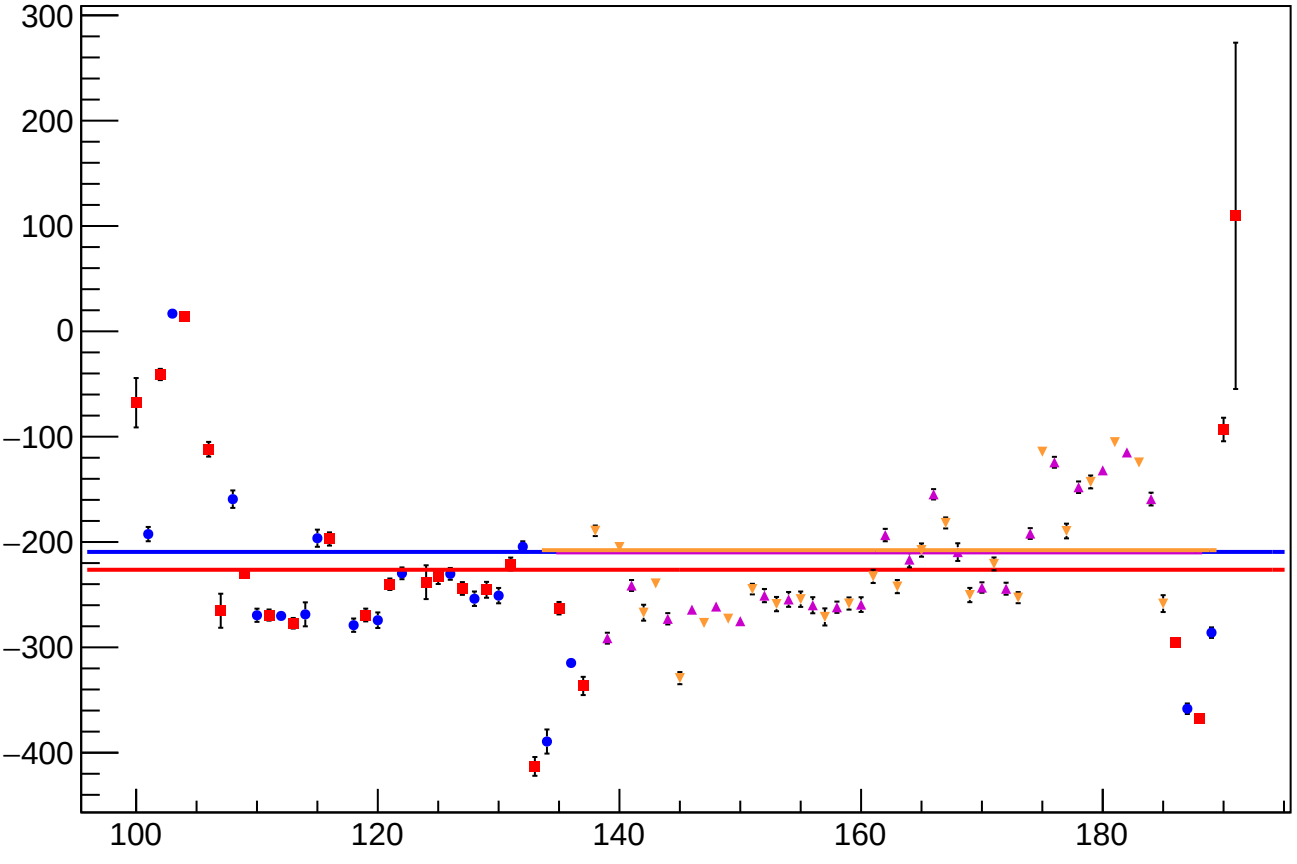
Left In: 6.444+/-0.015 χ^2/NDF:729692.1/22

+ sign 3.536+/-0.014 χ^2/NDF: 1487017.3/42

All: 4.316+/-0.010 χ^2/NDF: 2526199.2/88

- sign 5.104+/-0.014 χ^2/NDF: 1033278.9/45

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: -226.345+/-1.159 χ^2/NDF: 11725.6/22

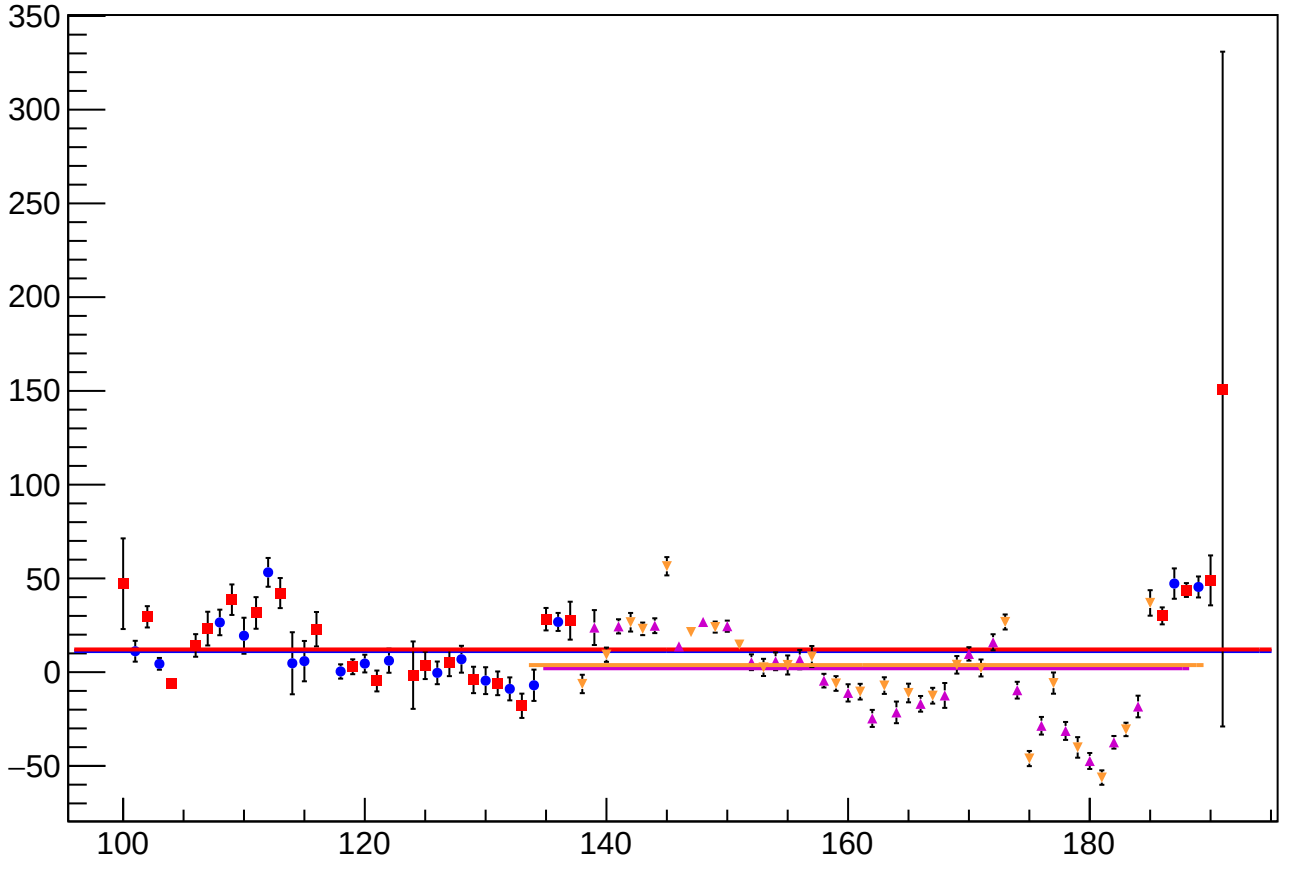
Left In: -209.875+/-1.101 χ^2/NDF:3011.9/22

+ sign -208.402+/-0.830 χ^2/NDF: 11999.7/42

All: -213.226+/-0.575 χ^2/NDF: 26908.3/88

- sign -217.687+/-0.798 χ^2/NDF: 14843.6/45

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: 12.106+/-1.220 χ^2/NDF: 260.8/22

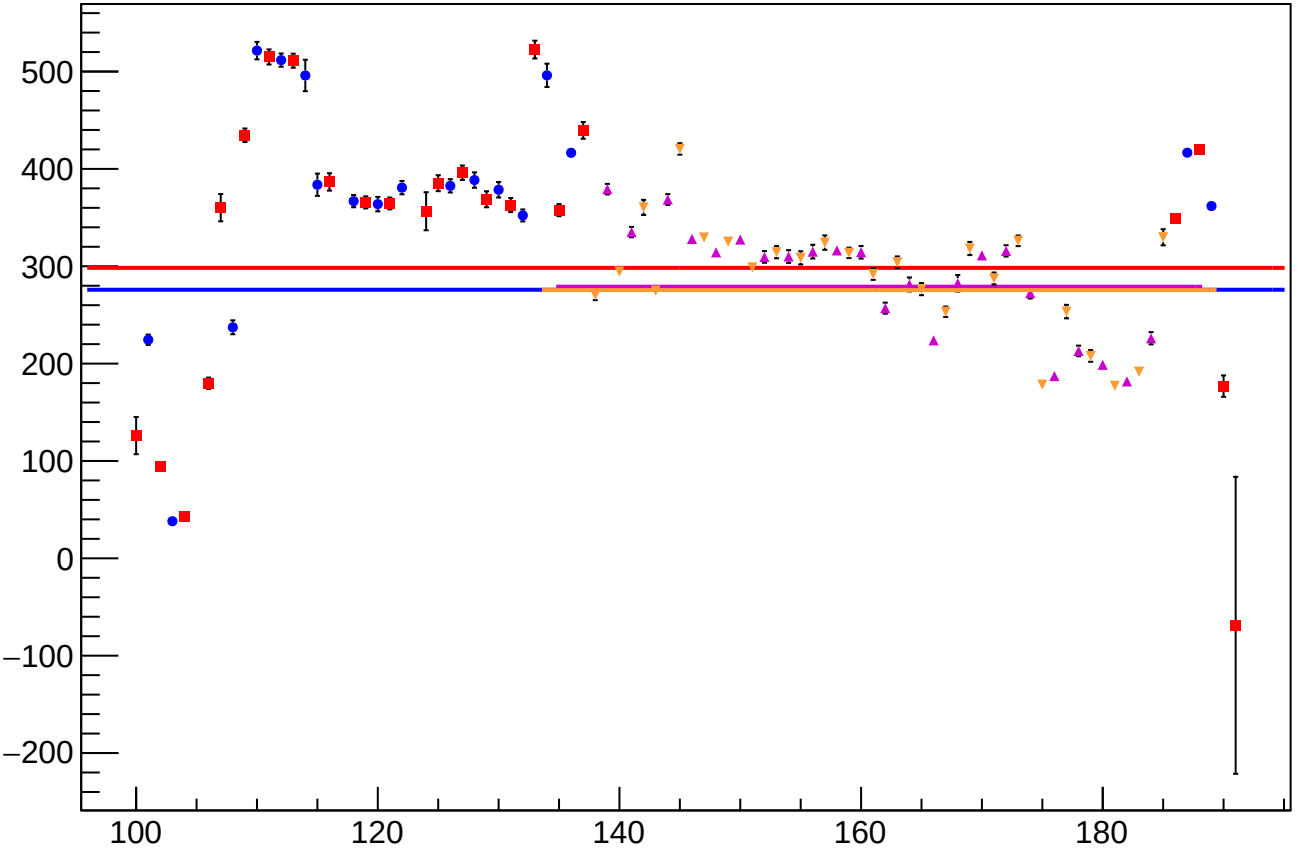
Left In: 2.079+/-0.820 χ^2/NDF:770.2/22

+ sign 5.620+/-0.683 χ^2/NDF: 1137.9/42

All: 5.409+/-0.482 χ^2/NDF: 2215.7/88

- sign 5.200+/-0.681 χ^2/NDF: 1077.6/45

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: 298.345+/-1.087 χ^2/NDF: 21179.0/22

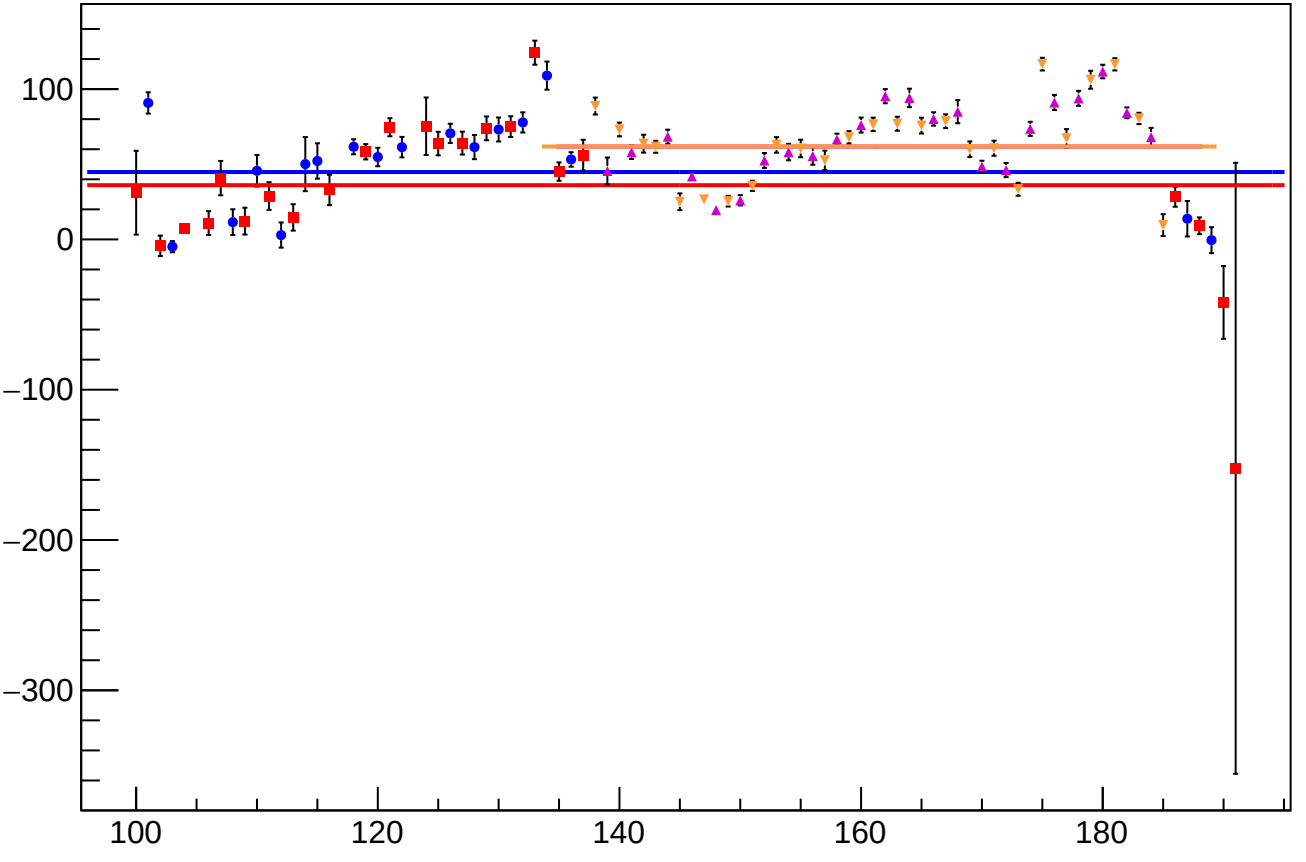
Left In: 278.989+/-1.089 χ^2/NDF:3114.7/22

+ sign 275.672+/-0.817 χ^2/NDF: 20588.5/42

All: 282.565+/-0.560 χ^2/NDF: 45174.8/88

- sign 288.680+/-0.769 χ^2/NDF: 24451.9/45

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: 36.090+/-1.492 χ^2/NDF: 456.2/22

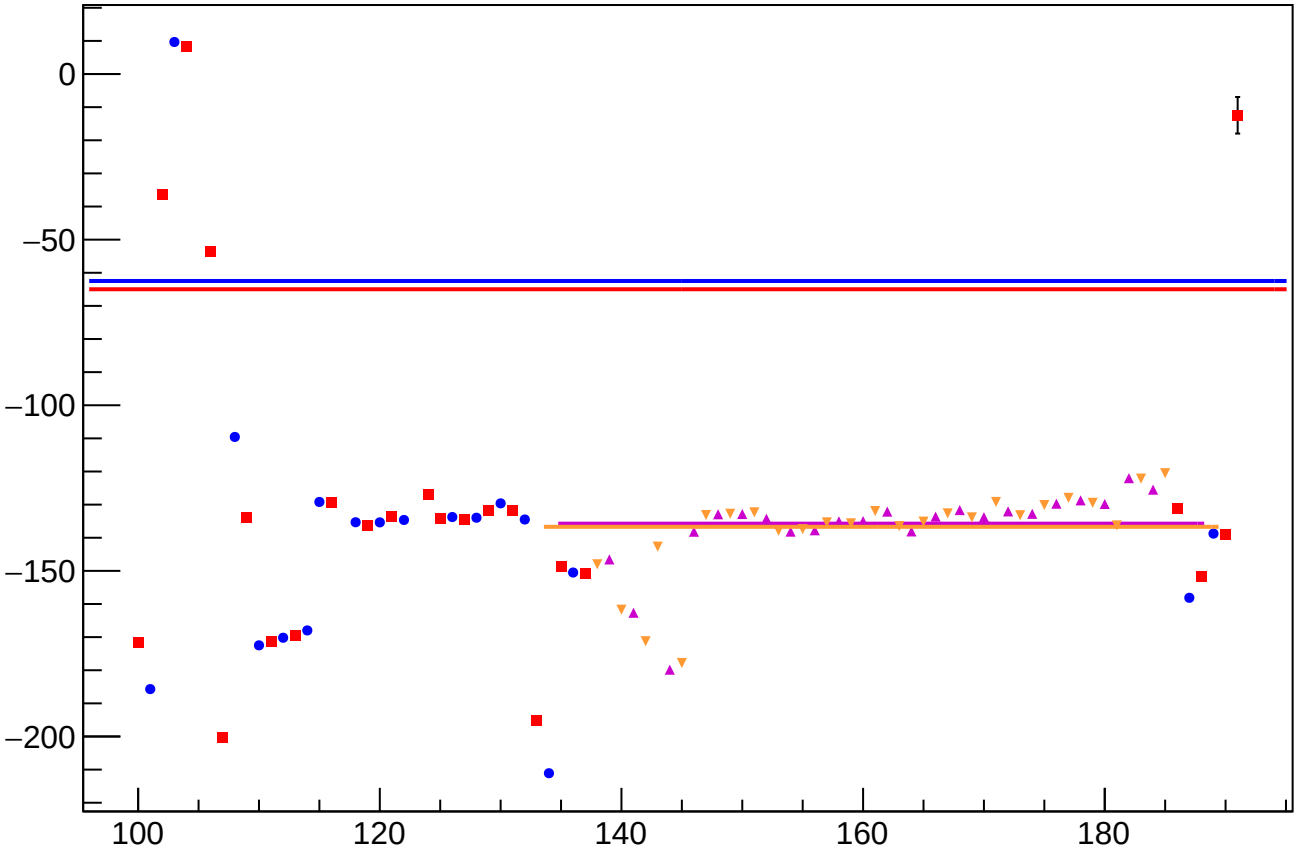
Left In: 61.763+/-0.939 χ^2/NDF:736.0/22

+ sign 57.766+/-0.792 χ^2/NDF: 1464.8/42

All: 56.130+/-0.561 χ^2/NDF: 2877.7/88

- sign 54.483+/-0.794 χ^2/NDF: 1404.3/45

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: -64.978+/-0.071 χ^2/NDF: 991936.3/22

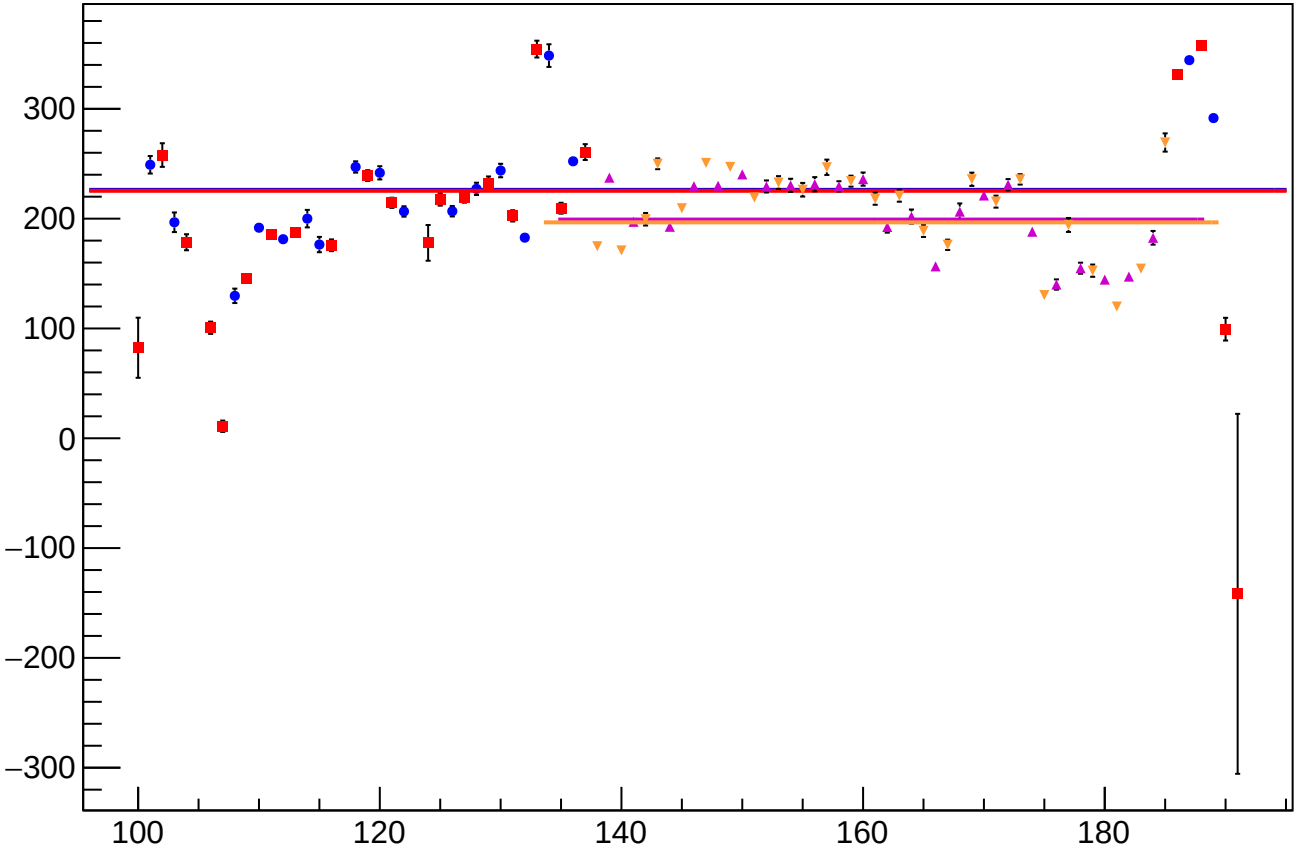
Left In: -135.745+/-0.043 χ^2/NDF:63681.9/22

\+ sign -117.326+/-0.036 χ^2/NDF: 2169089.3/42

All: -117.108+/-0.026 χ^2/NDF: 3953176.0/88

\- sign -116.887+/-0.037 χ^2/NDF: 1784014.4/45

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: 225.371+/-1.026 χ^2/NDF: 7611.7/22

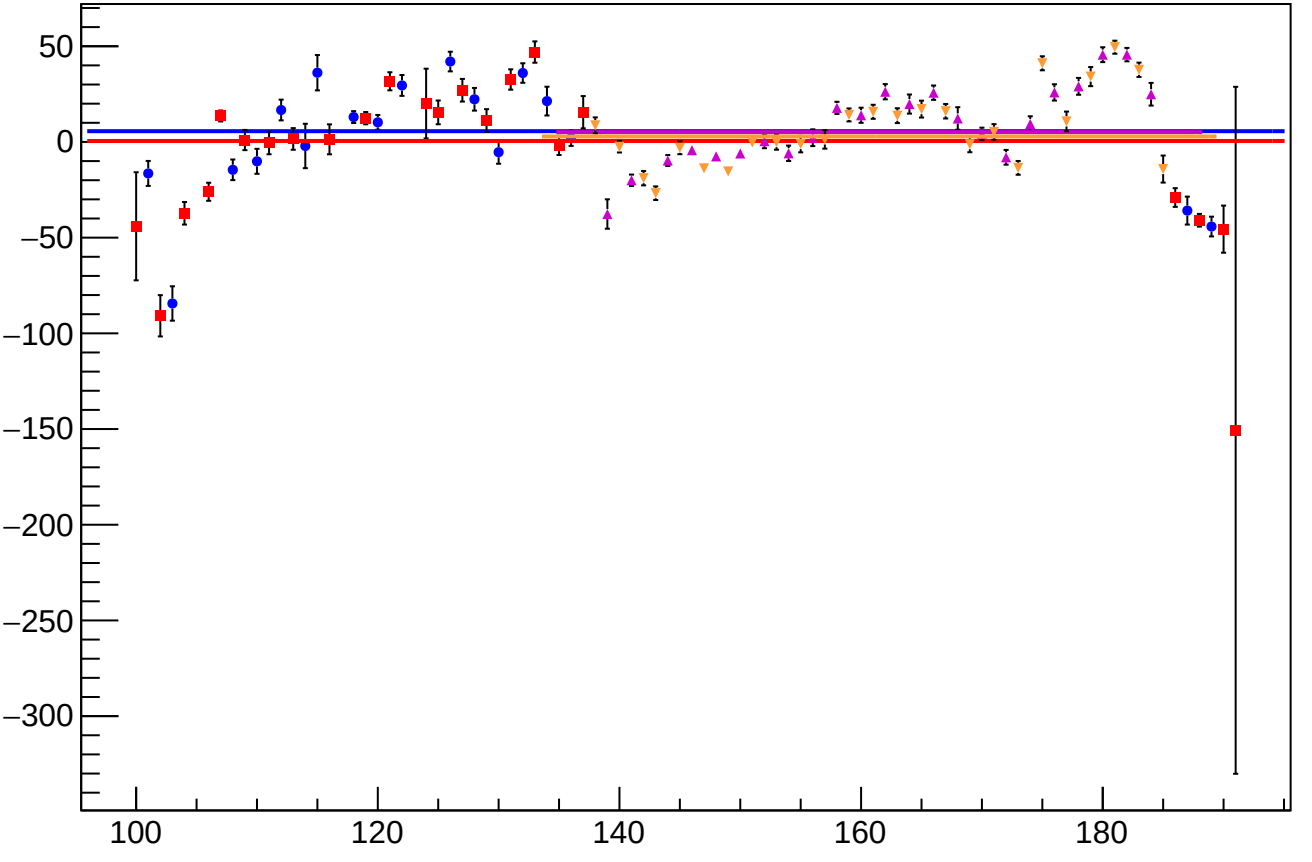
Left In: 199.153+/-0.973 χ^2/NDF:1294.6/22

+ sign 207.947+/-0.743 χ^2/NDF: 4260.1/42

All: 209.848+/-0.512 χ^2/NDF: 13522.6/88

- sign 211.562+/-0.706 χ^2/NDF: 9250.1/45

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: 0.513+/-1.114 χ^2/NDF: 571.9/22

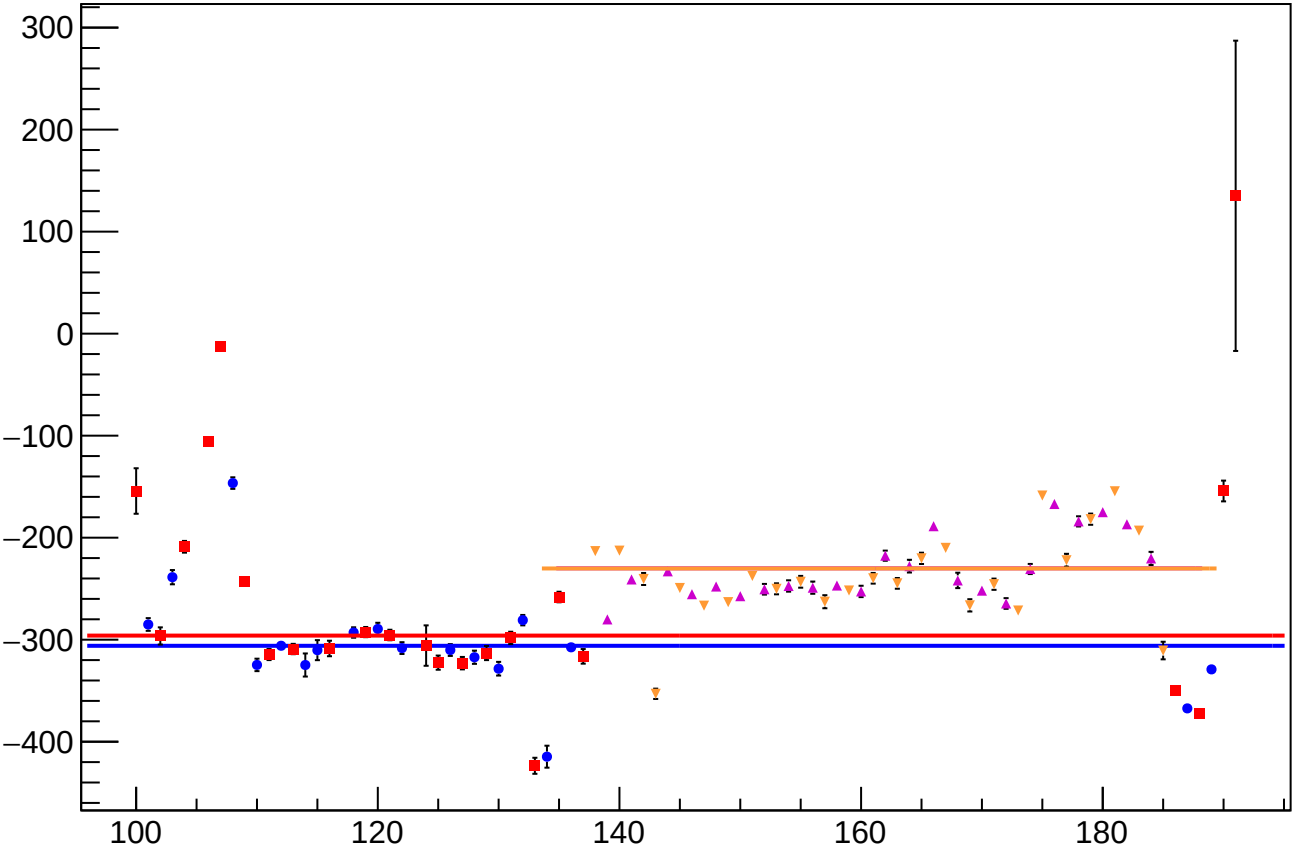
Left In: 5.126+/-0.718 χ^2/NDF:628.6/22

\+ sign 3.501+/-0.608 χ^2/NDF: 1157.7/42

All: 3.638+/-0.428 χ^2/NDF: 2370.4/88

\- sign 3.772+/-0.603 χ^2/NDF: 1212.6/45

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: -295.984+/-1.045 χ^2/NDF: 8619.7/22

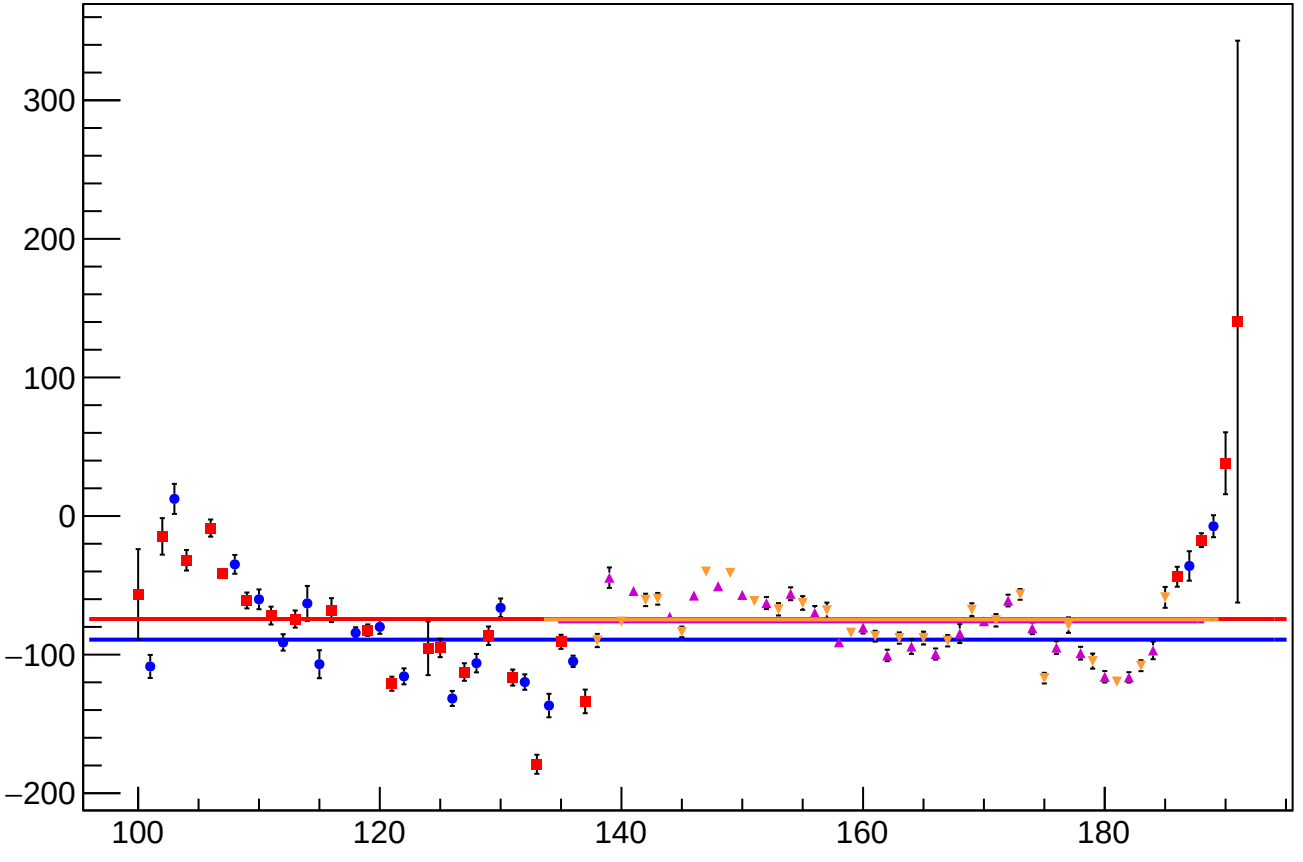
Left In: -230.047+/-0.961 χ^2/NDF:1094.0/22

+ sign -256.596+/-0.758 χ^2/NDF: 5828.9/42

All: -258.547+/-0.517 χ^2/NDF: 17711.4/88

- sign -260.247+/-0.707 χ^2/NDF: 11870.1/45

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: -74.311+/-1.343 χ^2/NDF: 908.8/22

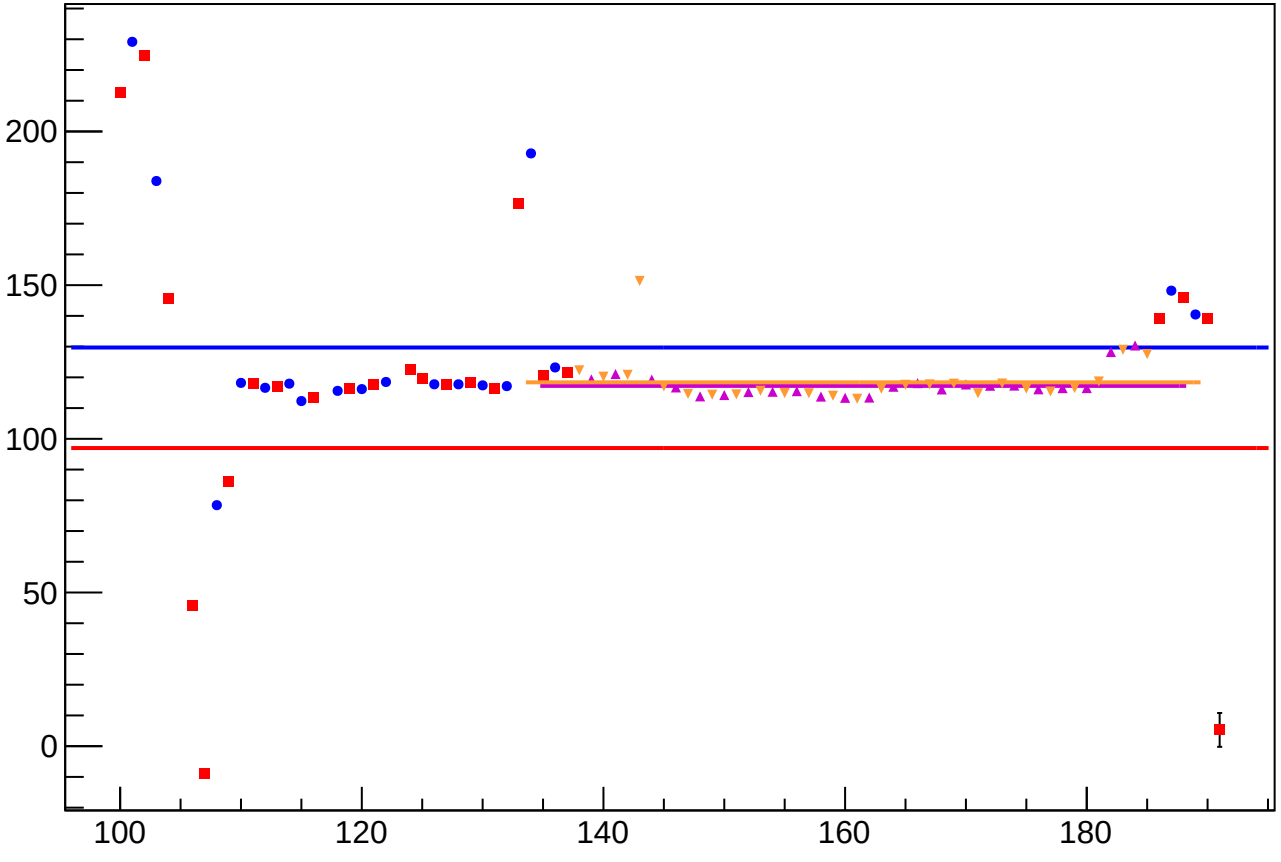
Left In: -76.025+/-0.824 χ^2/NDF:646.0/22

+ sign -77.898+/-0.705 χ^2/NDF: 1398.9/42

All: -76.722+/-0.498 χ^2/NDF: 2960.5/88

- sign -75.556+/-0.702 χ^2/NDF: 1556.0/45

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: 97.002+/-0.075 χ^2/NDF: 652867.4/22

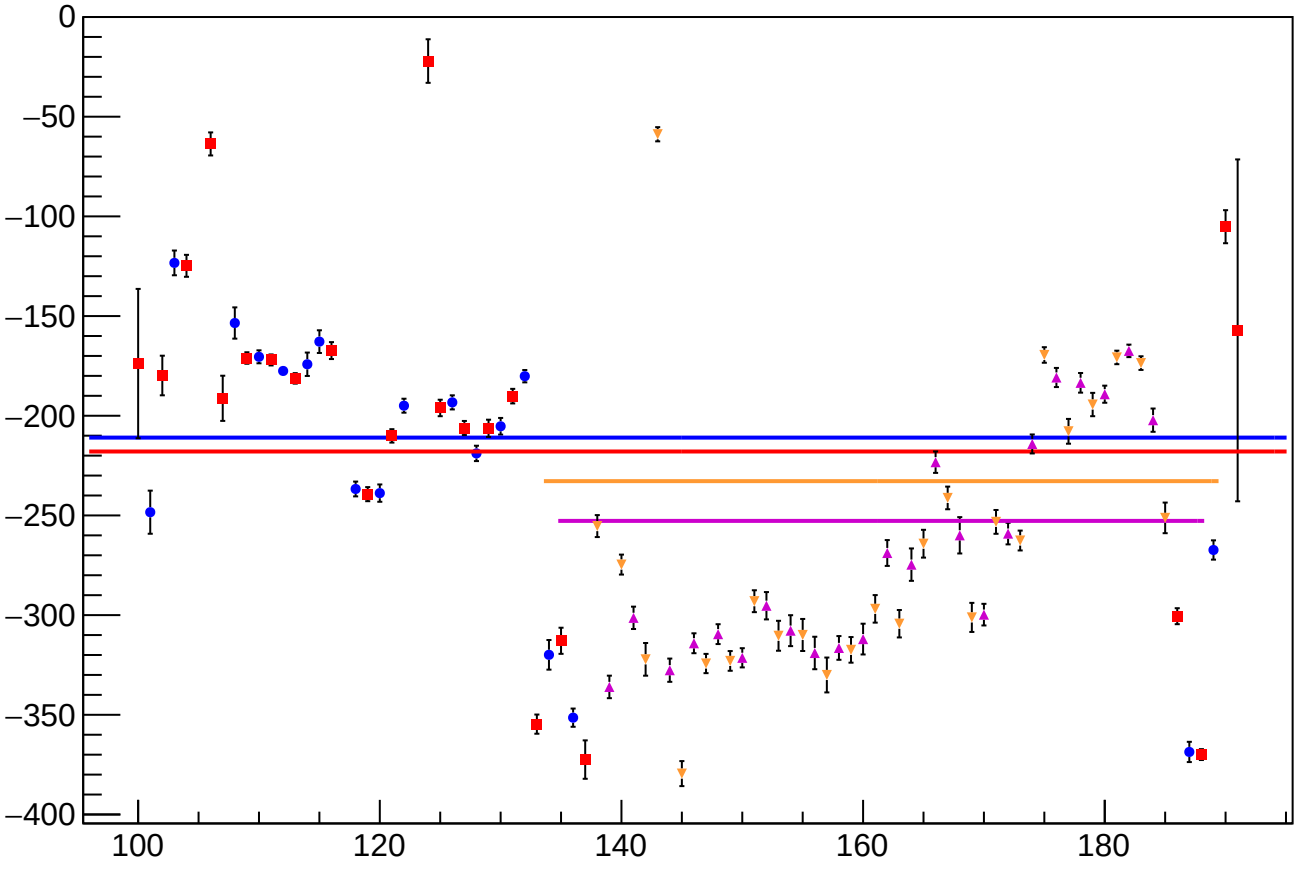
Left In: 117.225+/-0.038 χ^2/NDF:10227.9/22

+ sign 120.176+/-0.034 χ^2/NDF: 234964.4/42

All: 116.594+/-0.024 χ^2/NDF: 978095.1/88

- sign 113.137+/-0.034 χ^2/NDF: 721564.7/45

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: -217.930+/-0.889 χ^2/NDF: 7343.6/22

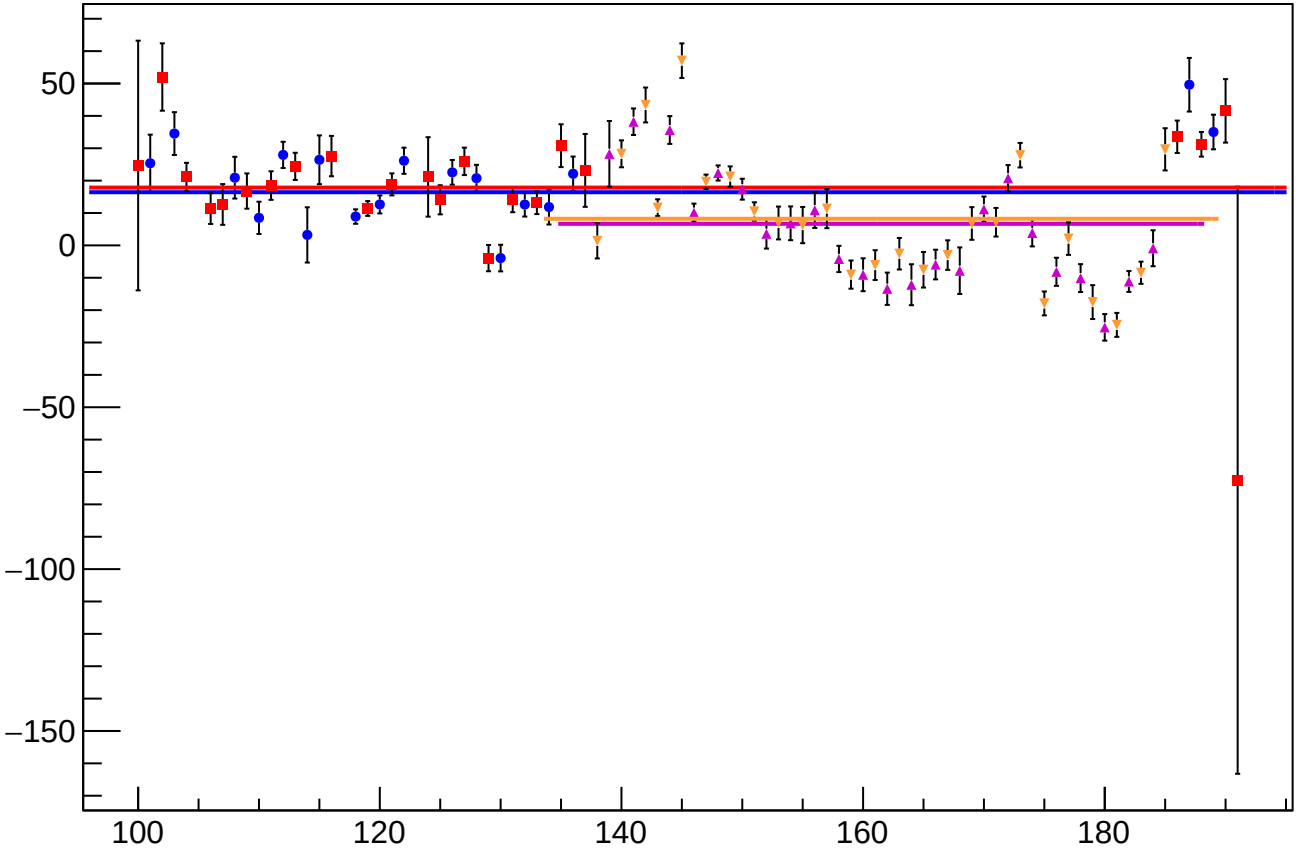
Left In: -252.738+/-1.131 χ^2/NDF:2913.9/22

+ sign -220.935+/-0.724 χ^2/NDF: 9205.9/42

All: -226.267+/-0.503 χ^2/NDF: 20153.4/88

- sign -231.231+/-0.699 χ^2/NDF: 10843.0/45

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: 17.845+/-0.976 χ^2/NDF: 96.0/22

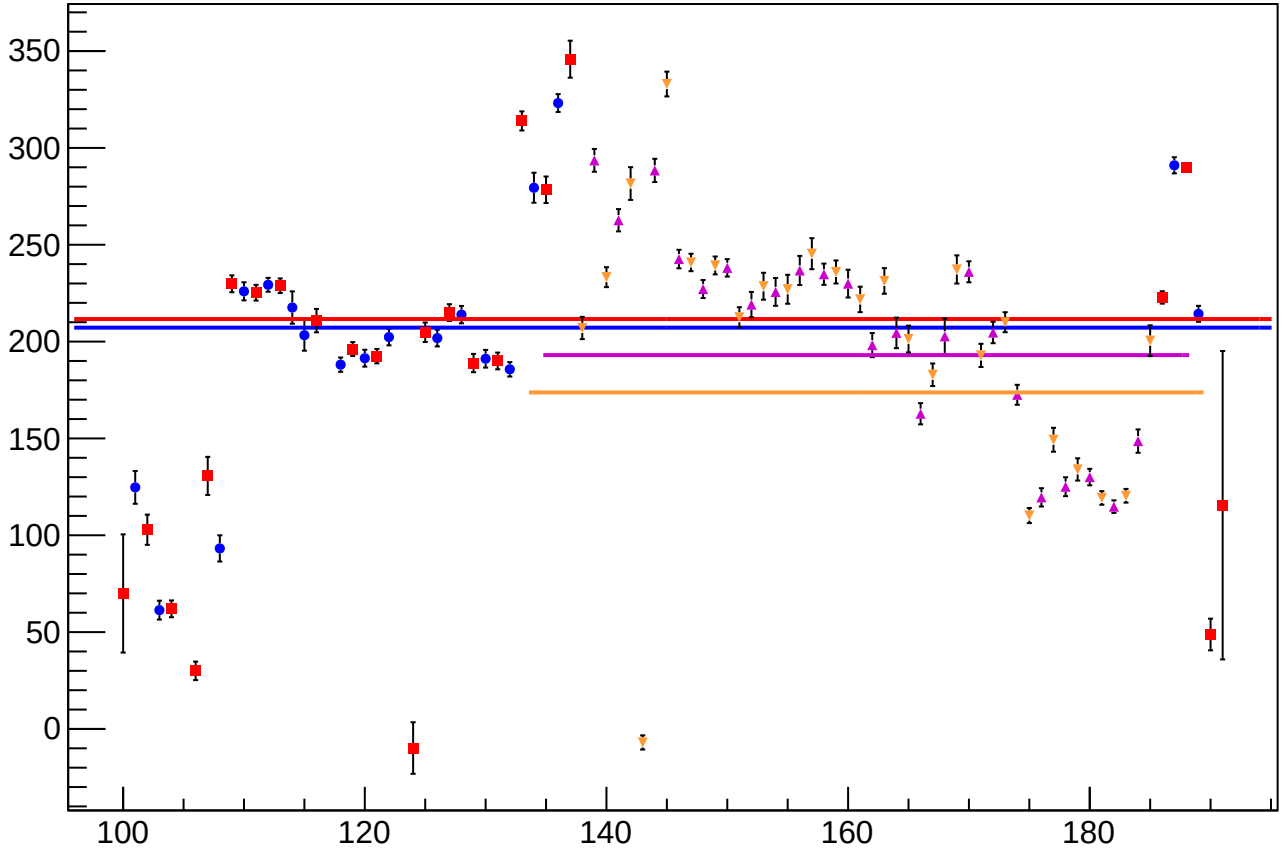
Left In: 6.657+/-0.858 χ^2/NDF:354.8/22

+ sign 11.357+/-0.631 χ^2/NDF: 599.7/42

All: 11.445+/-0.451 χ^2/NDF: 1124.7/88

- sign 11.536+/-0.645 χ^2/NDF: 525.0/45

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: 211.645+/-0.965 χ^2/NDF: 5732.3/22

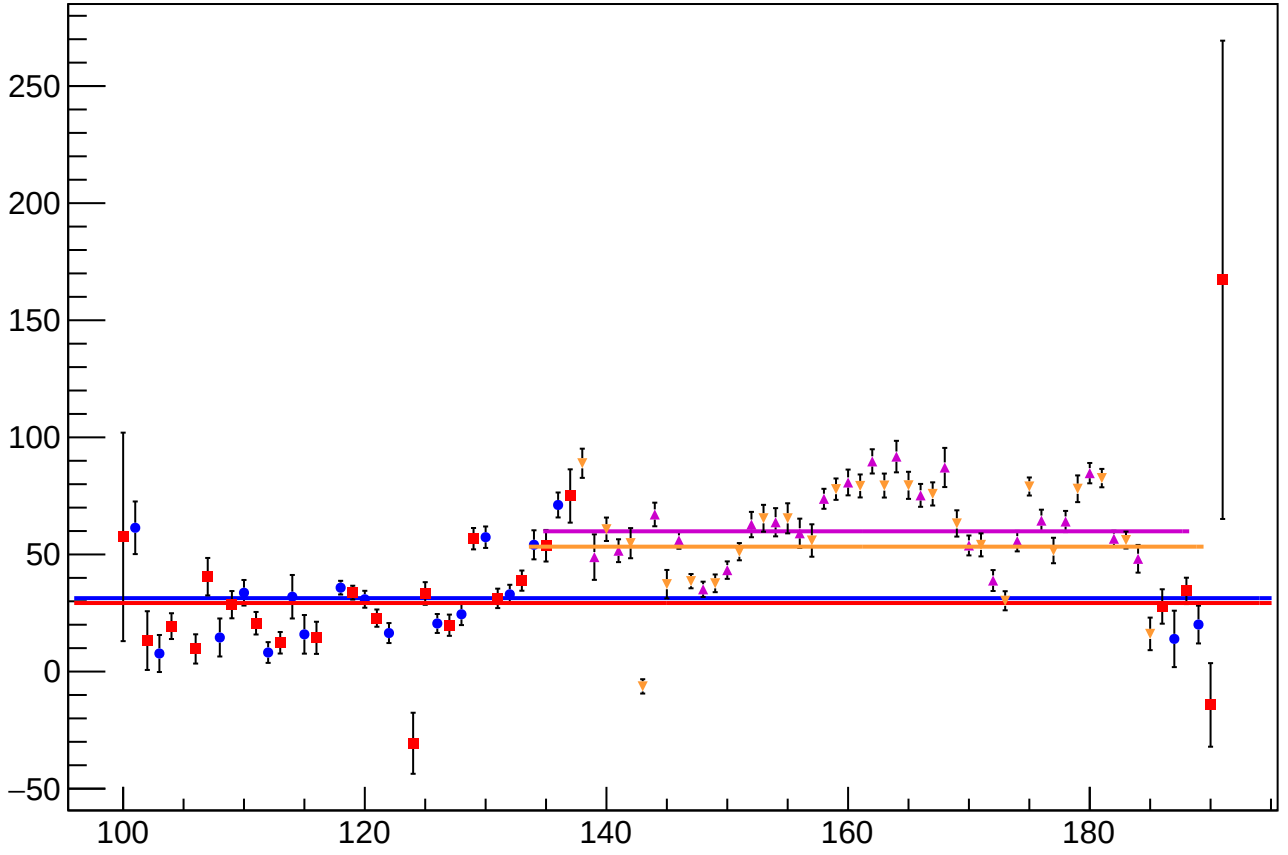
Left In: 193.026+/-1.122 χ^2/NDF:2512.0/22

\+ sign 189.881+/-0.769 χ^2/NDF: 8280.4/42

All: 197.149+/-0.530 χ^2/NDF: 16853.2/88

\- sign 203.728+/-0.732 χ^2/NDF: 8402.6/45

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: 29.263+/-1.153 χ^2/NDF: 149.5/22

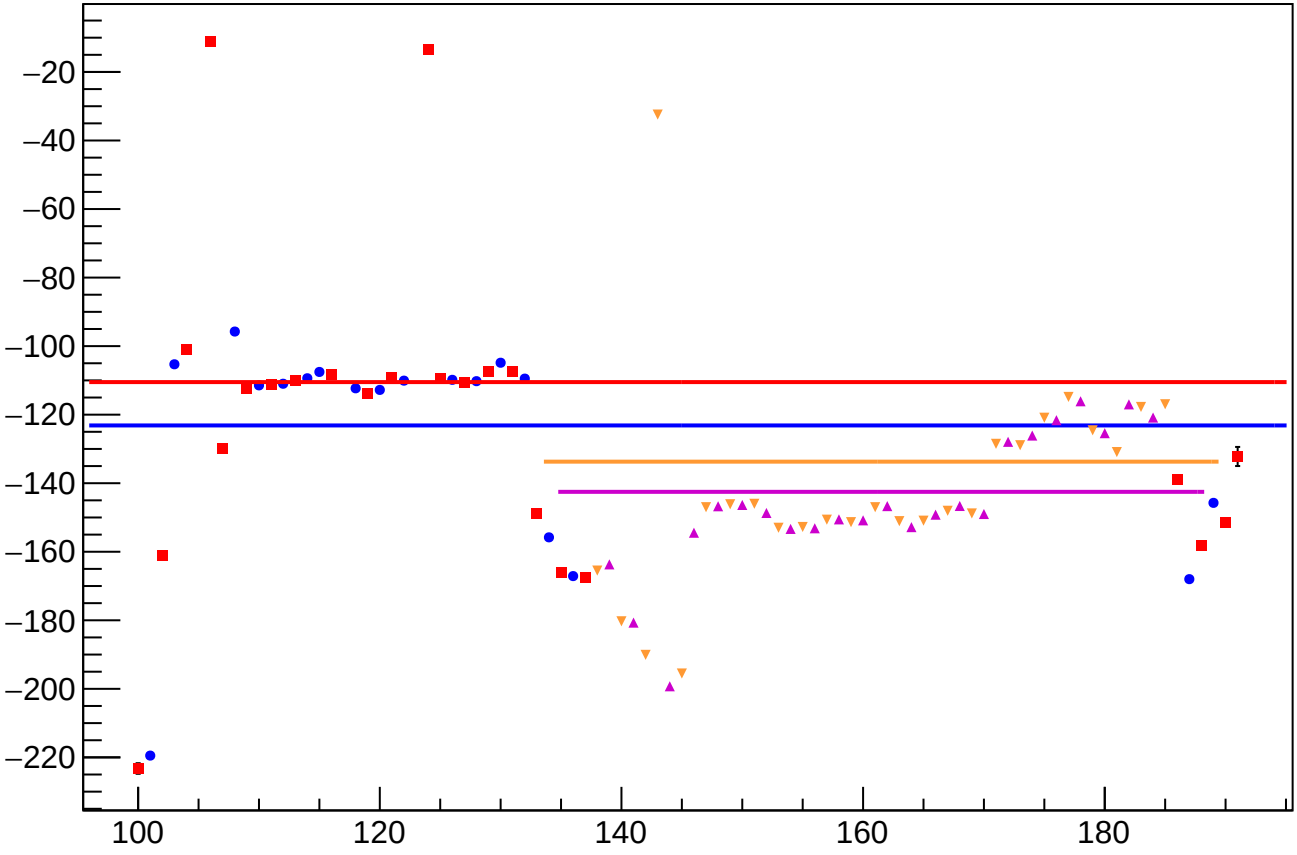
Left In: 59.887+/-0.977 χ^2/NDF:251.2/22

\+ sign 45.149+/-0.730 χ^2/NDF: 1171.8/42

All: 46.103+/-0.522 χ^2/NDF: 1986.5/88

\- sign 47.096+/-0.745 χ^2/NDF: 811.2/45

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: -110.495+/-0.071 χ^2/NDF: 397631.6/22

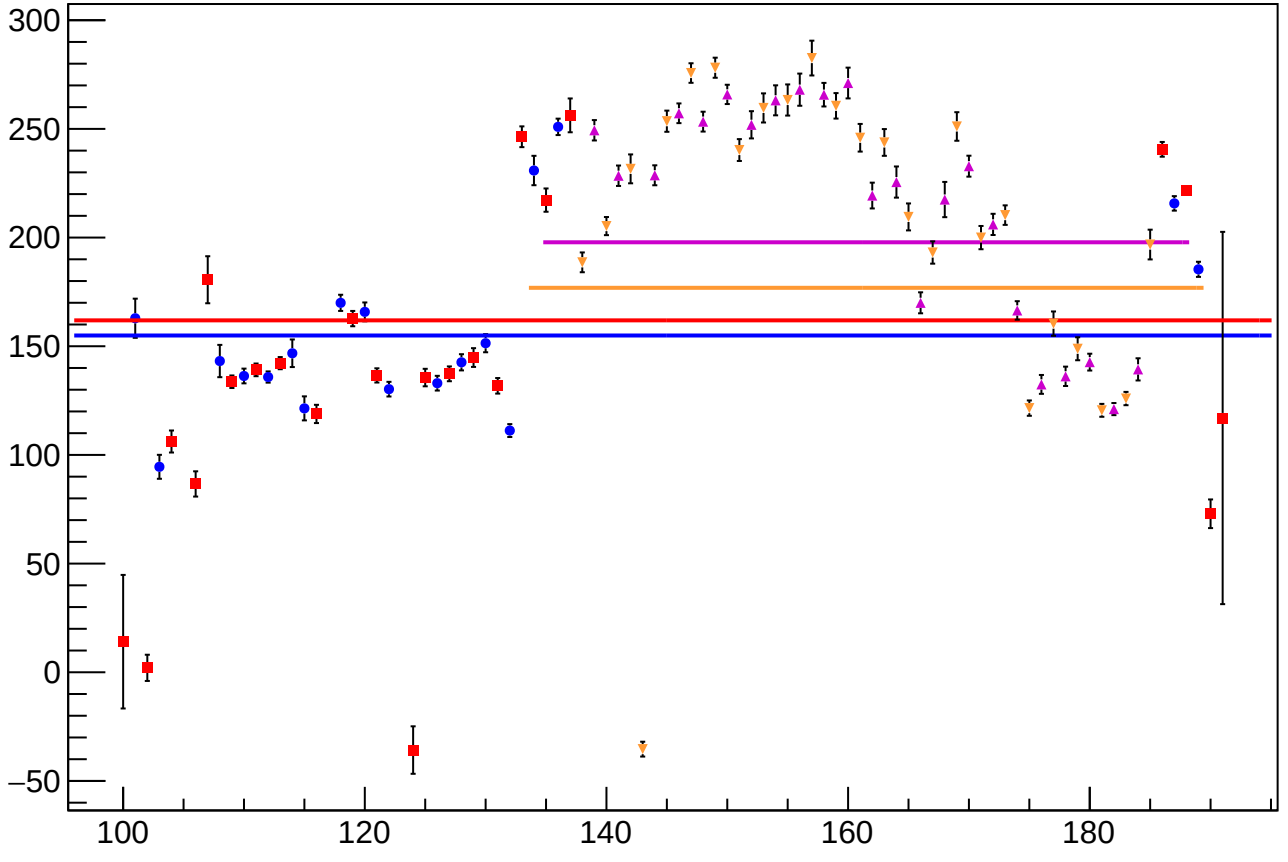
Left In: -142.518+/-0.044 χ^2/NDF:178481.1/22

+ sign -131.194+/-0.037 χ^2/NDF: 819376.4/42

All: -132.329+/-0.027 χ^2/NDF: 1544086.5/88

- sign -133.478+/-0.038 χ^2/NDF: 722854.7/45

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: 161.909+/-0.814 χ^2/NDF: 4310.5/22

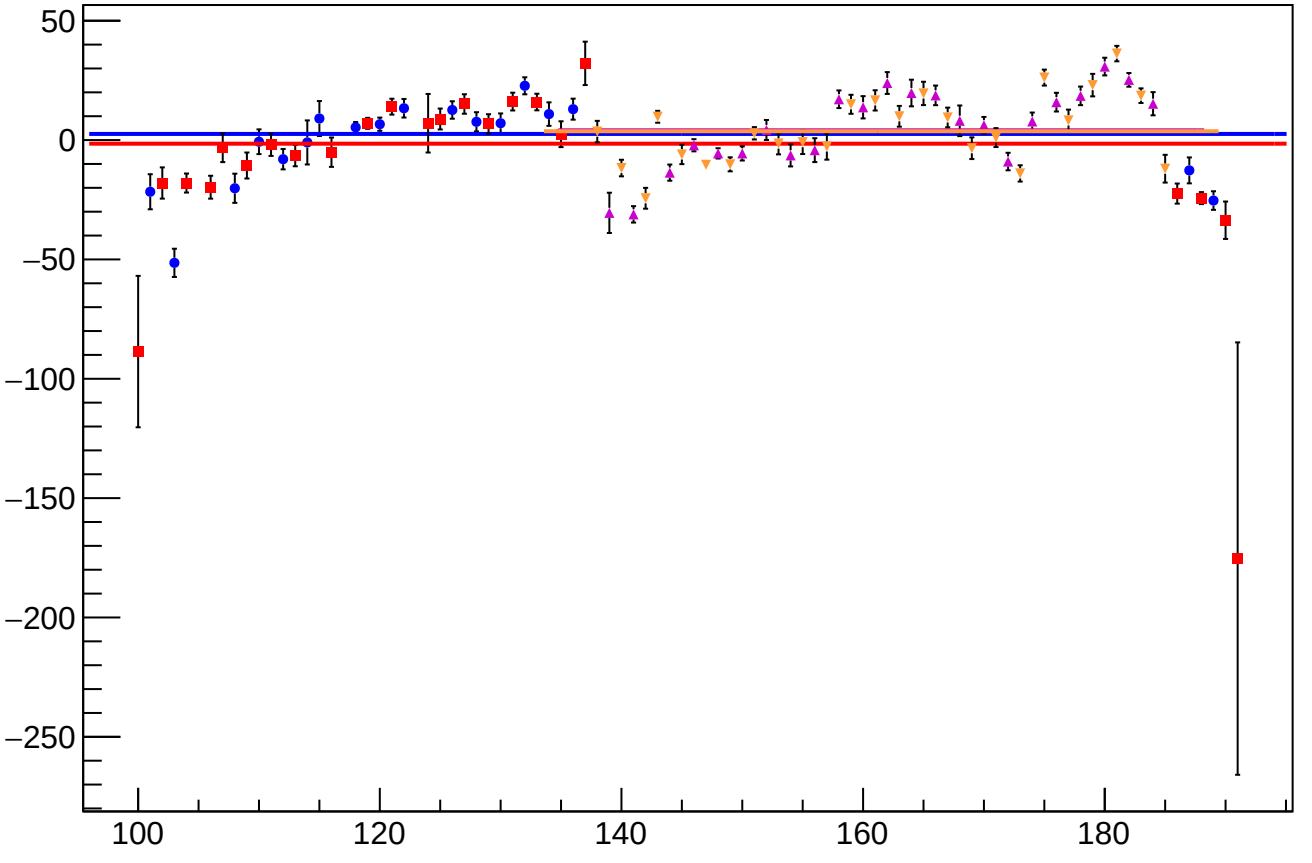
Left In: 197.829+/-1.006 χ^2/NDF:2968.0/22

+ sign 165.546+/-0.666 χ^2/NDF: 9471.2/42

All: 171.099+/-0.459 χ^2/NDF: 17652.6/88

- sign 176.116+/-0.633 χ^2/NDF: 8048.9/45

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: -1.512+/-0.910 χ^2/NDF: 302.2/22

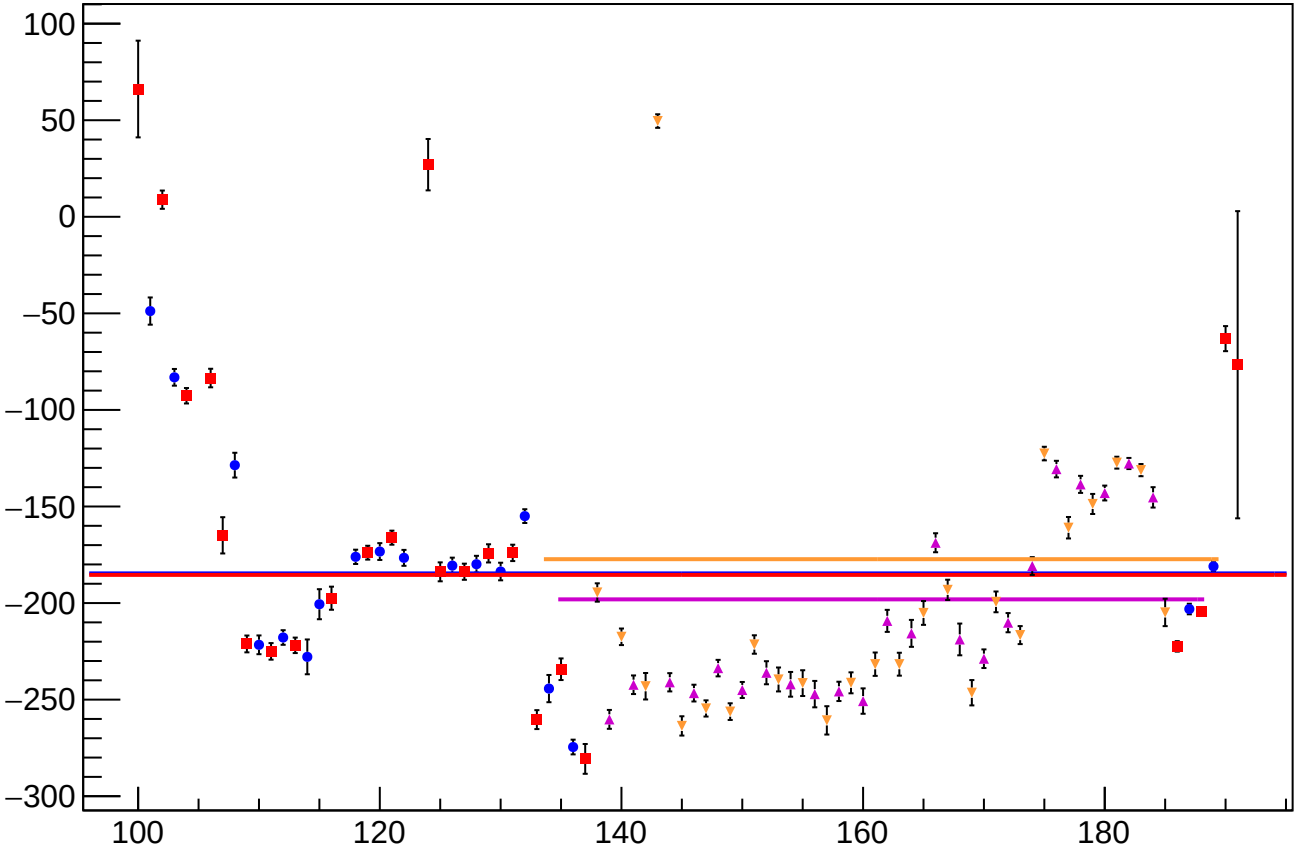
Left In: 4.102+/-0.769 χ^2/NDF:398.9/22

+ sign 3.304+/-0.580 χ^2/NDF: 638.8/42

All: 2.542+/-0.413 χ^2/NDF: 1365.7/88

- sign 1.762+/-0.587 χ^2/NDF: 723.4/45

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: -185.403+/-0.828 χ^2/NDF: 4513.0/22

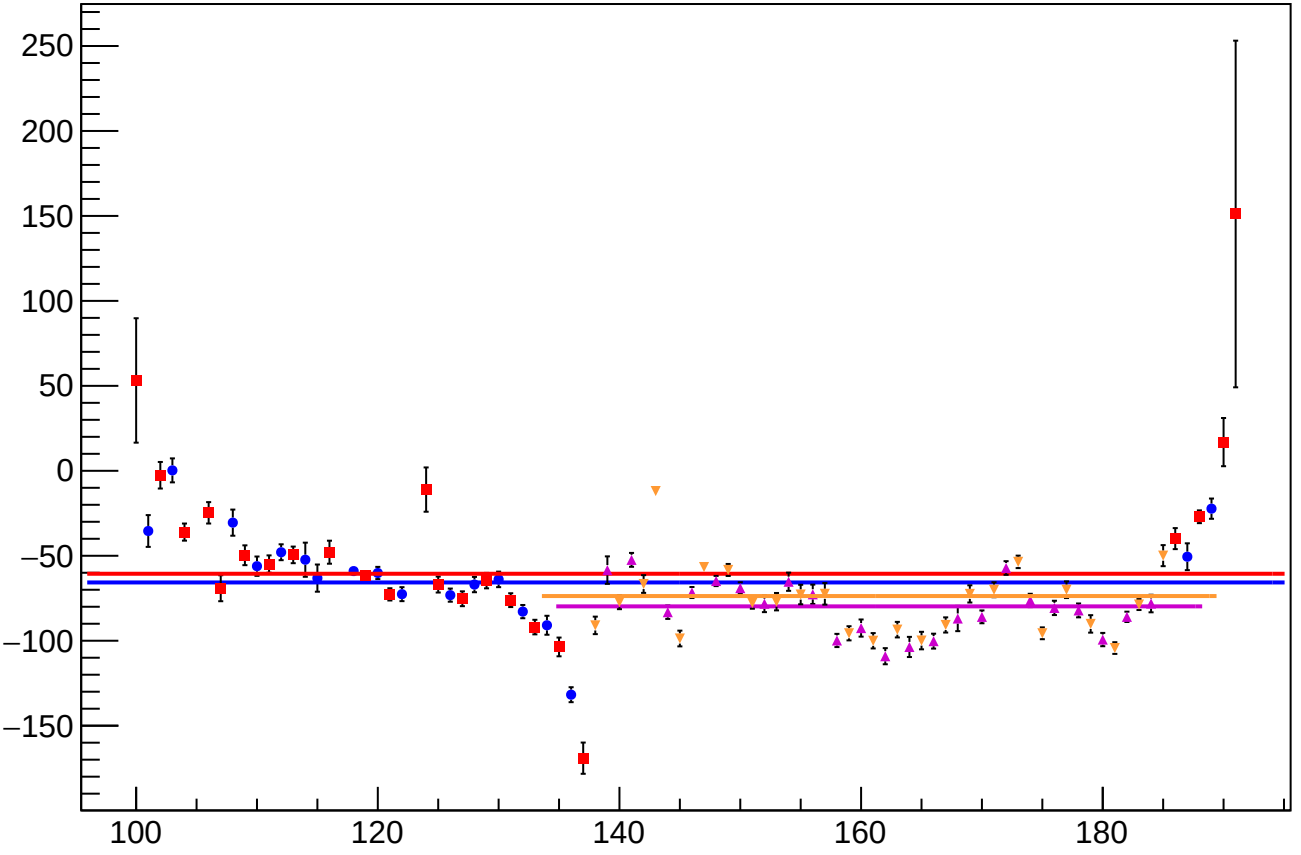
Left In: -198.088+/-1.000 χ^2/NDF:2386.2/22

+ sign -180.804+/-0.691 χ^2/NDF: 8991.2/42

All: -186.071+/-0.469 χ^2/NDF: 16093.6/88

- sign -190.565+/-0.638 χ^2/NDF: 6994.7/45

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: -60.583+/-1.093 χ^2/NDF: 569.1/22

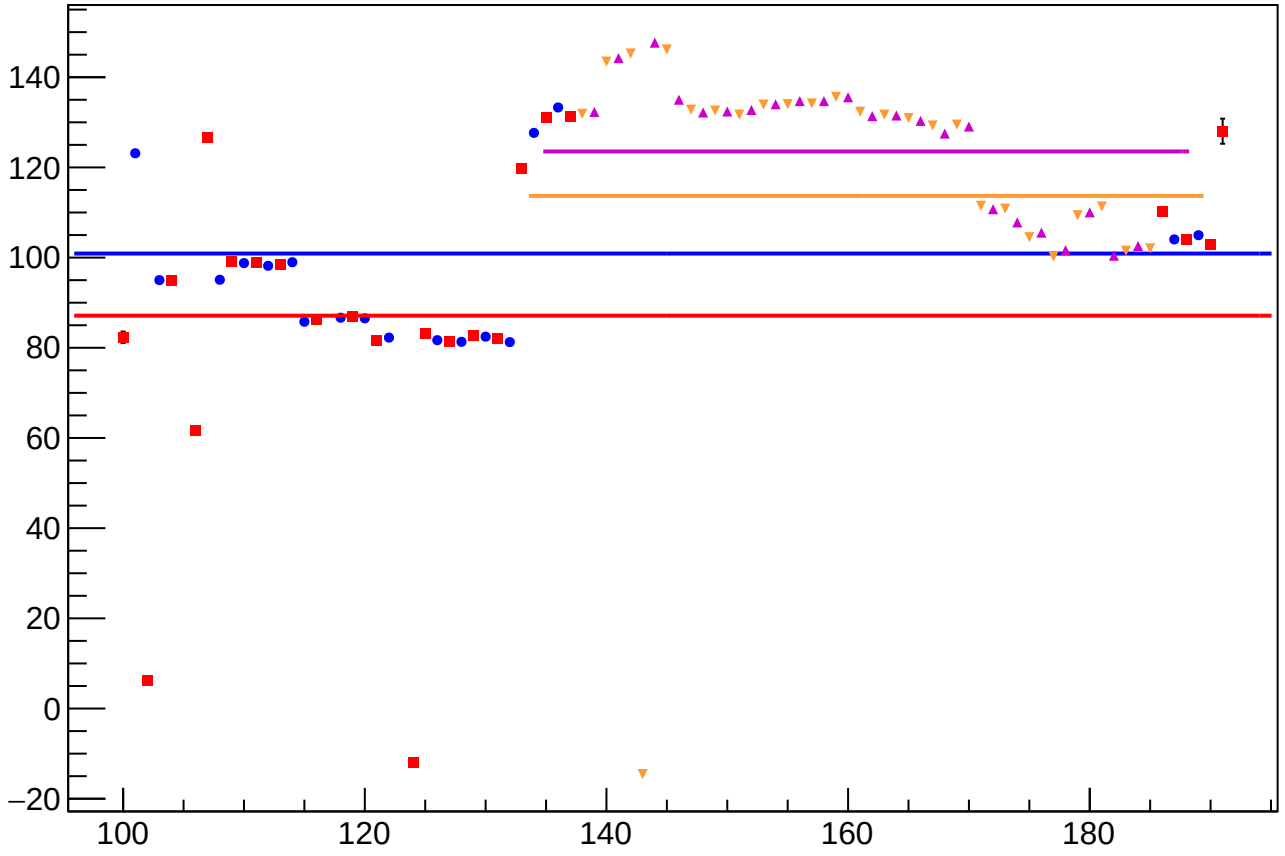
Left In: -79.777+/-0.874 χ^2/NDF:277.1/22

+ sign -70.958+/-0.672 χ^2/NDF: 1345.4/42

All: -71.614+/-0.479 χ^2/NDF: 2381.6/88

- sign -72.292+/-0.683 χ^2/NDF: 1034.3/45

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: 87.122+/-0.064 χ^2/NDF: 277026.1/22

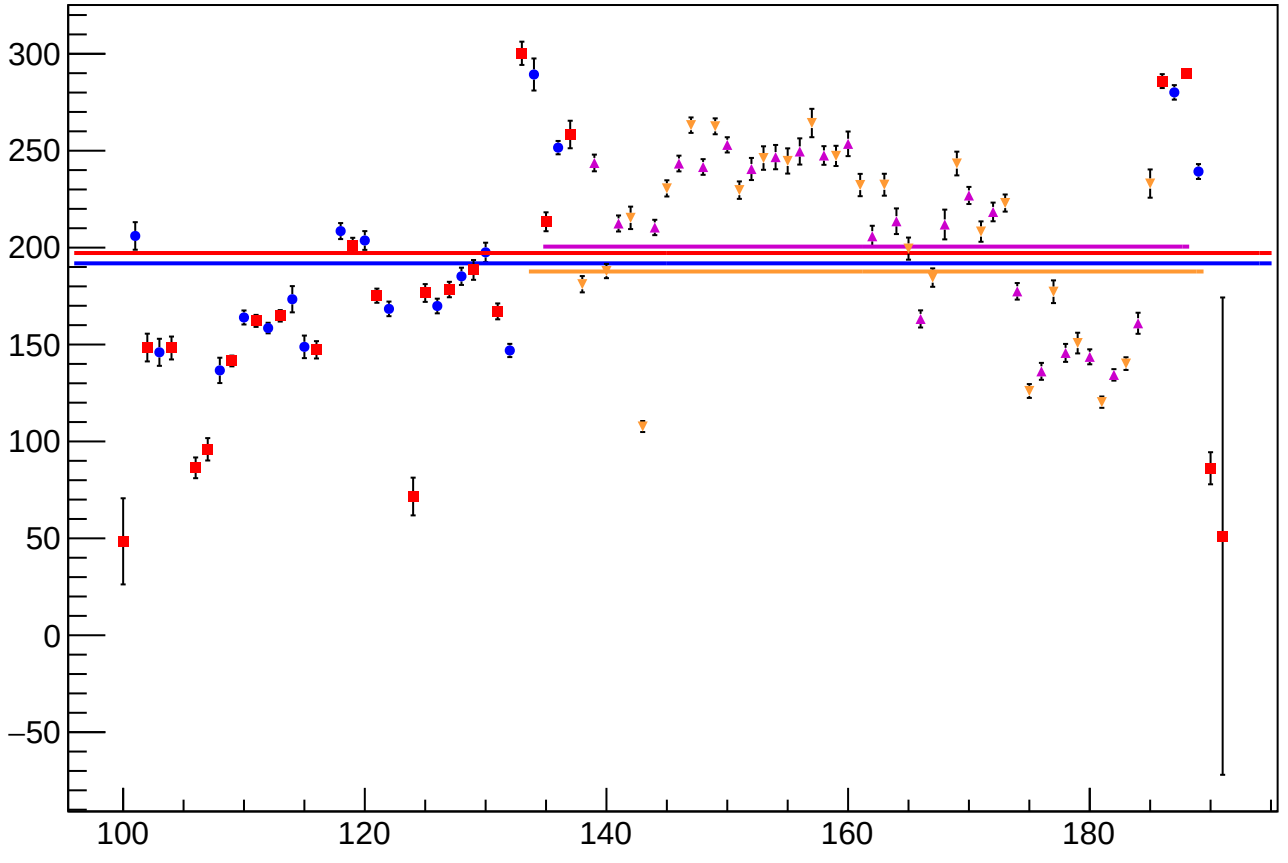
Left In: 123.538+/-0.040 χ^2/NDF:134613.3/22

+ sign 110.767+/-0.034 χ^2/NDF: 1056298.3/42

All: 112.107+/-0.024 χ^2/NDF: 1705265.6/88

- sign 113.446+/-0.034 χ^2/NDF: 645805.6/45

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: 197.216+/-0.875 χ^2/NDF: 5333.7/22

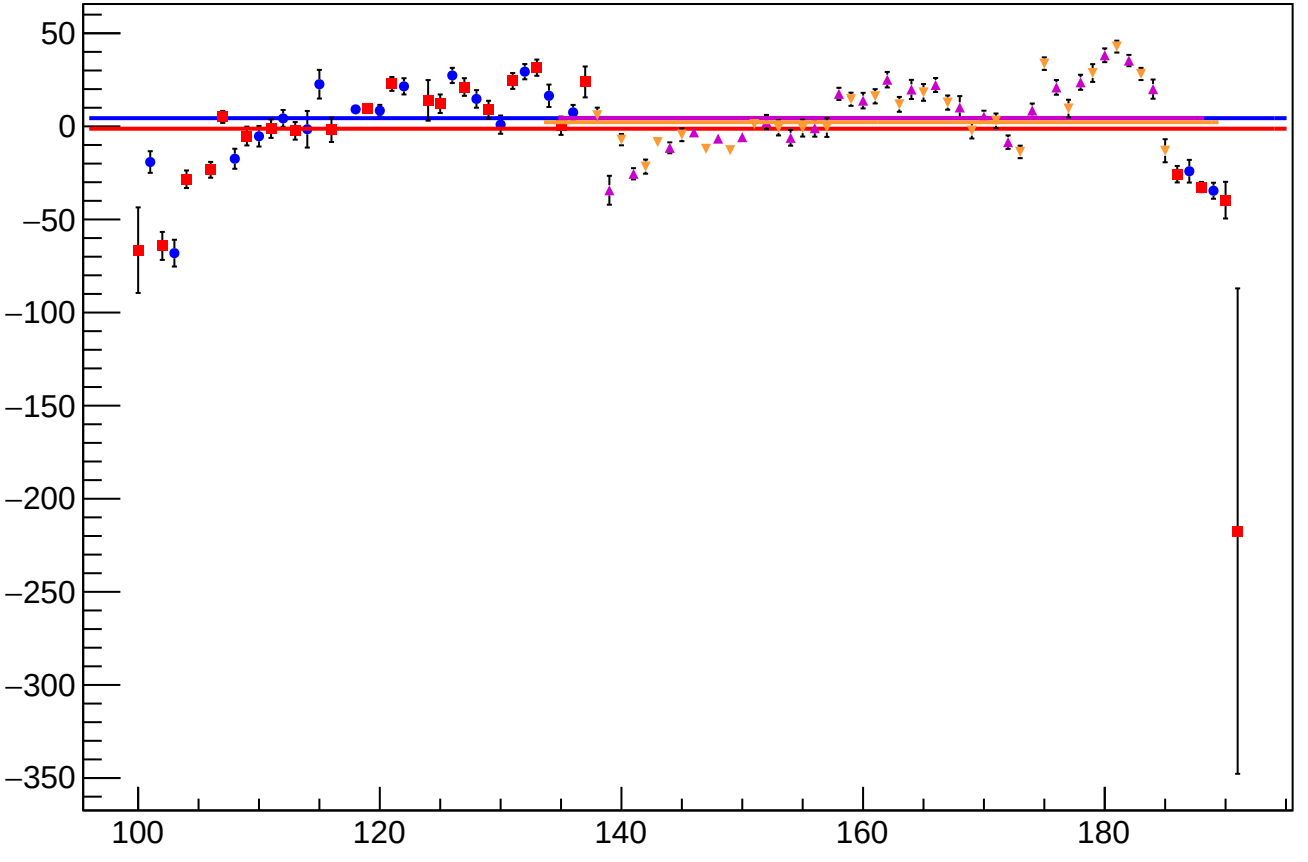
Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

\+ sign 189.538+/-0.671 χ^2/NDF: 5343.5/42

All: 194.311+/-0.465 χ^2/NDF: 12892.5/88

\- sign 198.723+/-0.645 χ^2/NDF: 7451.6/45

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



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: -1.262+/-0.963 χ^2/NDF: 517.7/22

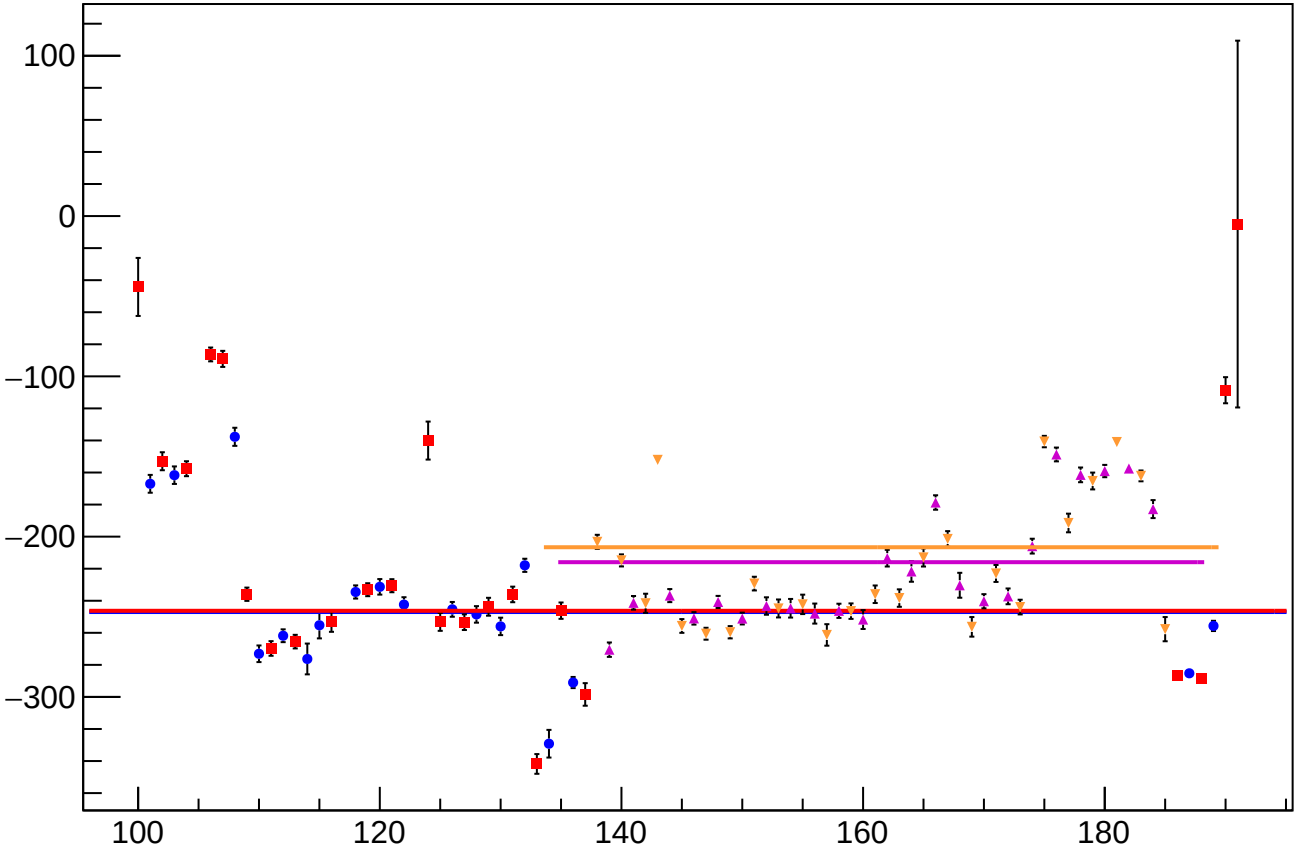
Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign 2.851+/-0.563 χ^2/NDF: 950.3/42

All: 2.660+/-0.402 χ^2/NDF: 2038.6/88

- sign 2.463+/-0.574 χ^2/NDF: 1088.0/45

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: -246.264+/-0.892 χ^2/NDF: 4787.6/22

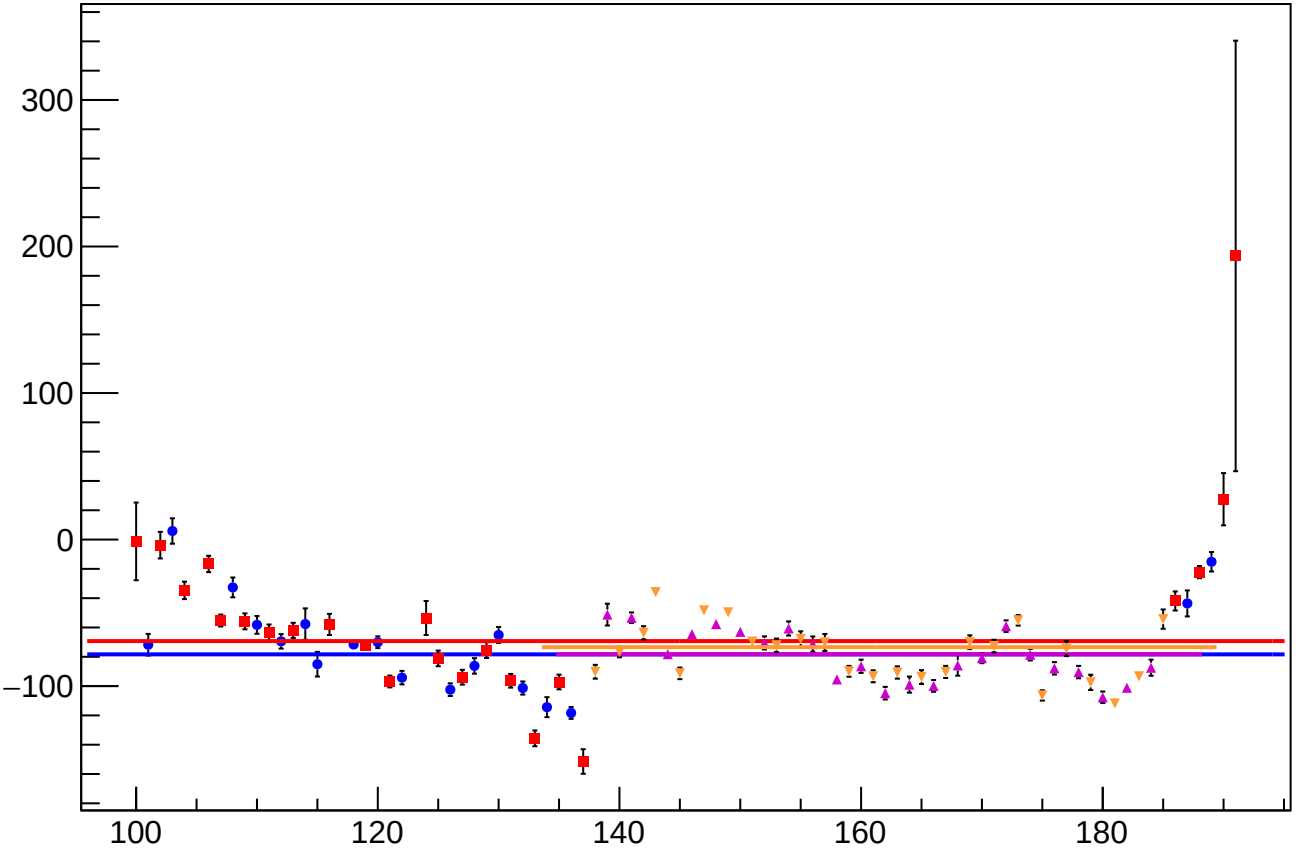
Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

\+ sign -222.961+/-0.691 χ^2/NDF: 4653.6/42

All: -227.755+/-0.473 χ^2/NDF: 11787.8/88

\- sign -231.991+/-0.649 χ^2/NDF: 7043.4/45

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



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: -69.281+/-1.158 χ^2/NDF: 775.8/22

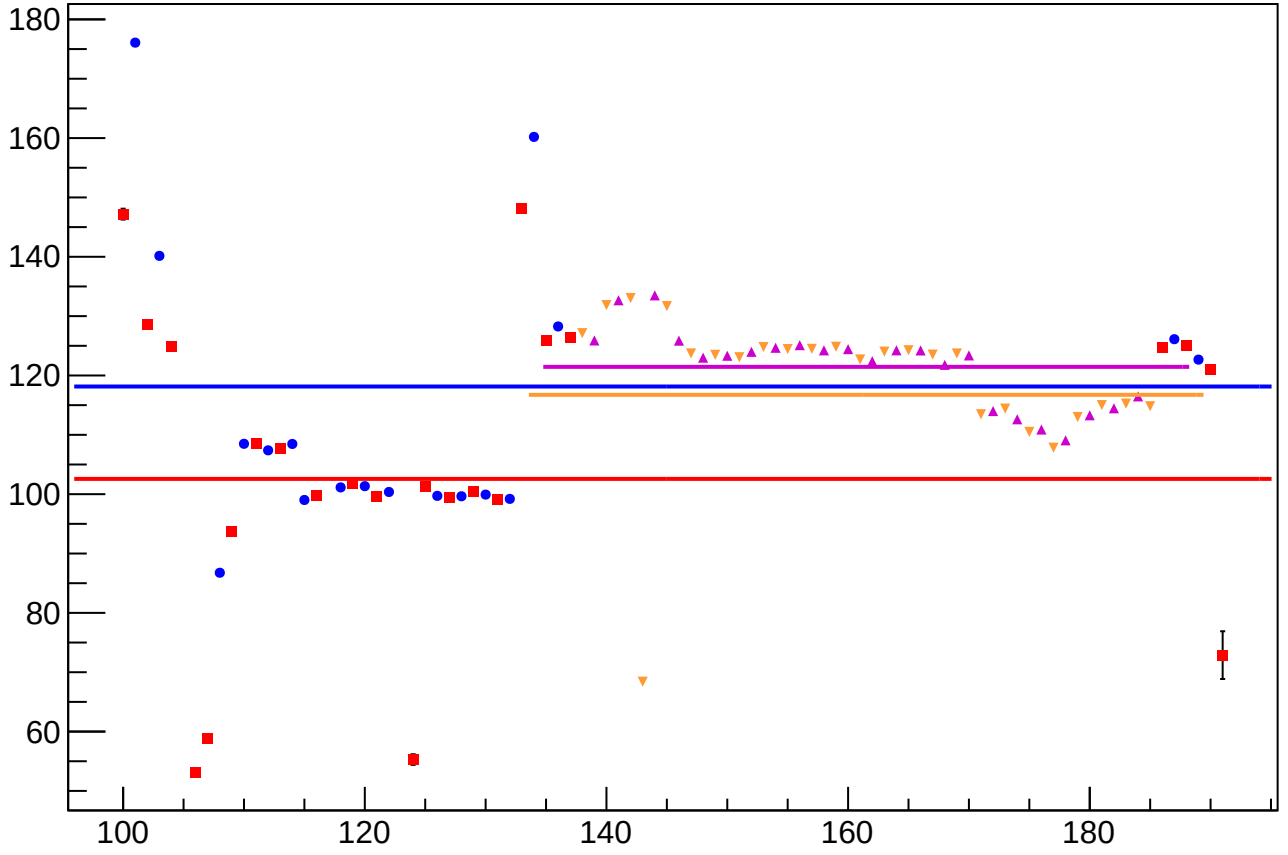
Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -74.772+/-0.654 χ^2/NDF: 1326.3/42

All: -75.041+/-0.467 χ^2/NDF: 2586.4/88

- sign -75.321+/-0.668 χ^2/NDF: 1259.8/45

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



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: 102.577+/-0.066 χ^2/NDF: 181361.3/22

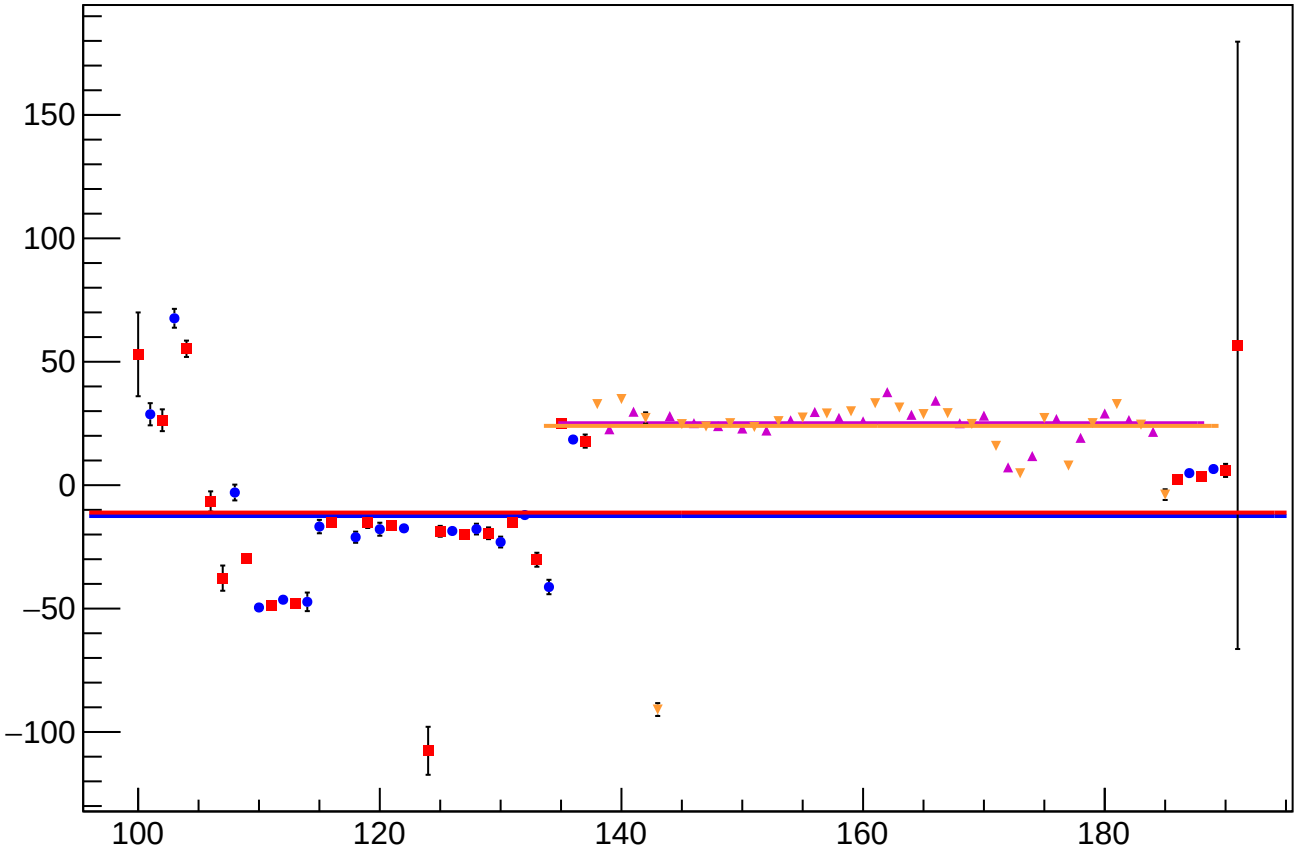
Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.000+/-0.032 χ^2/NDF: 299832.2/42

All: 116.943+/-0.023 χ^2/NDF: 572094.2/88

- sign 116.886+/-0.032 χ^2/NDF: 272255.9/45

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: -11.105+/-0.437 χ^2/NDF: 2635.3/22

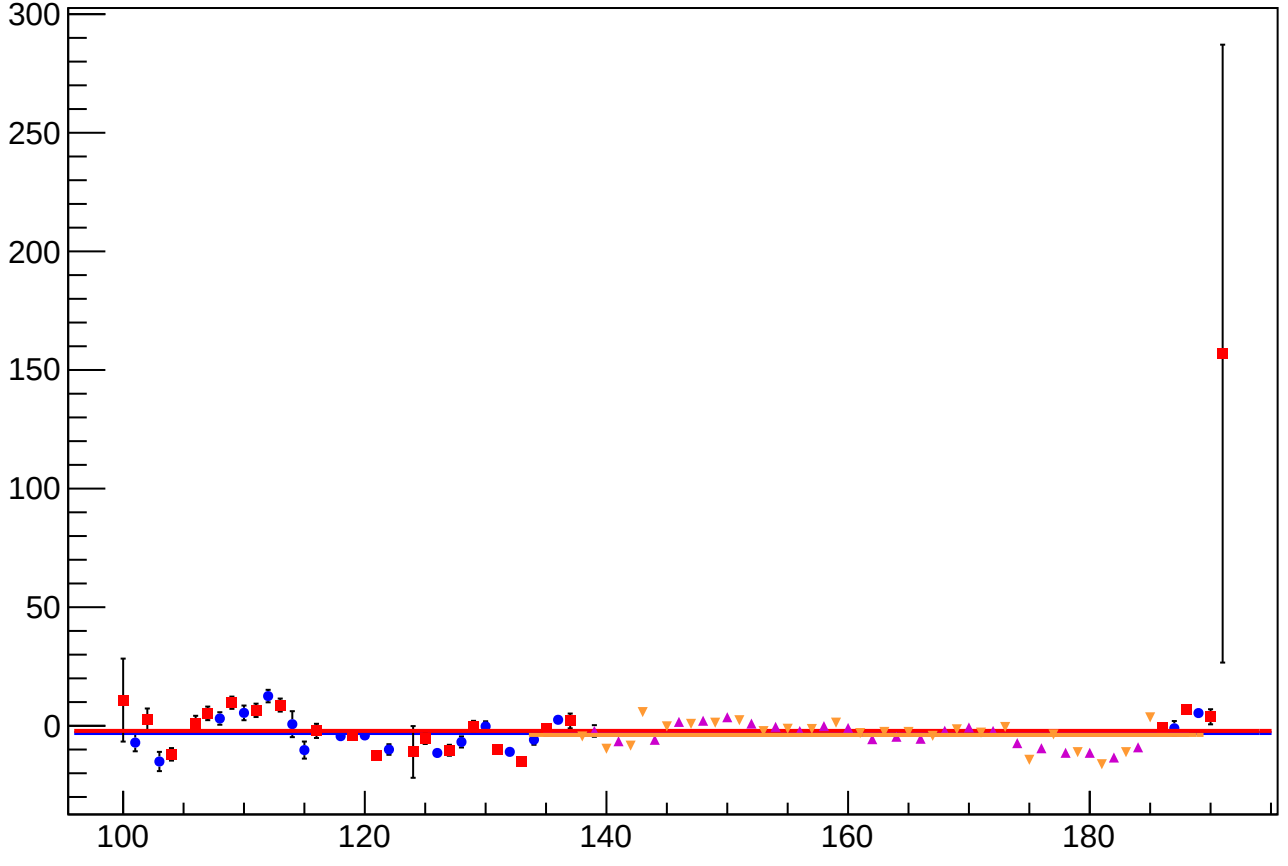
Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

+ sign 15.214+/-0.246 χ^2/NDF: 9186.7/42

All: 14.681+/-0.172 χ^2/NDF: 17116.4/88

- sign 14.173+/-0.240 χ^2/NDF: 7920.5/45

reg_asym_atl_dd_atr_dd_dd_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

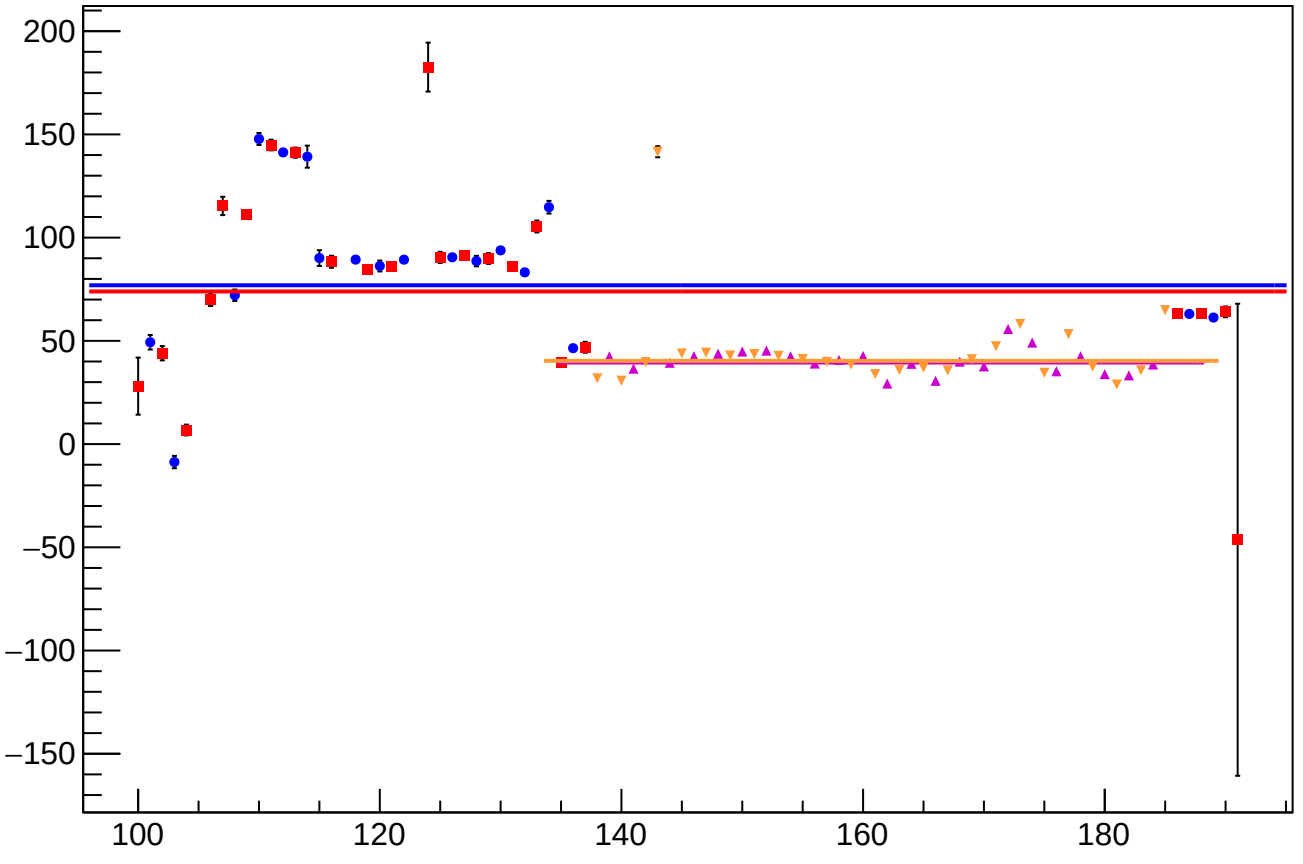
Right Out: -2.142+/-0.493 χ^2/NDF: 212.5/22

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

+ sign -3.728+/-0.201 χ^2/NDF: 792.9/42

All: -3.616+/-0.143 χ^2/NDF: 1525.0/88

- sign -3.501+/-0.204 χ^2/NDF: 731.5/45



Right In: 76.924+/-0.534 χ^2/NDF: 3451.6/17

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

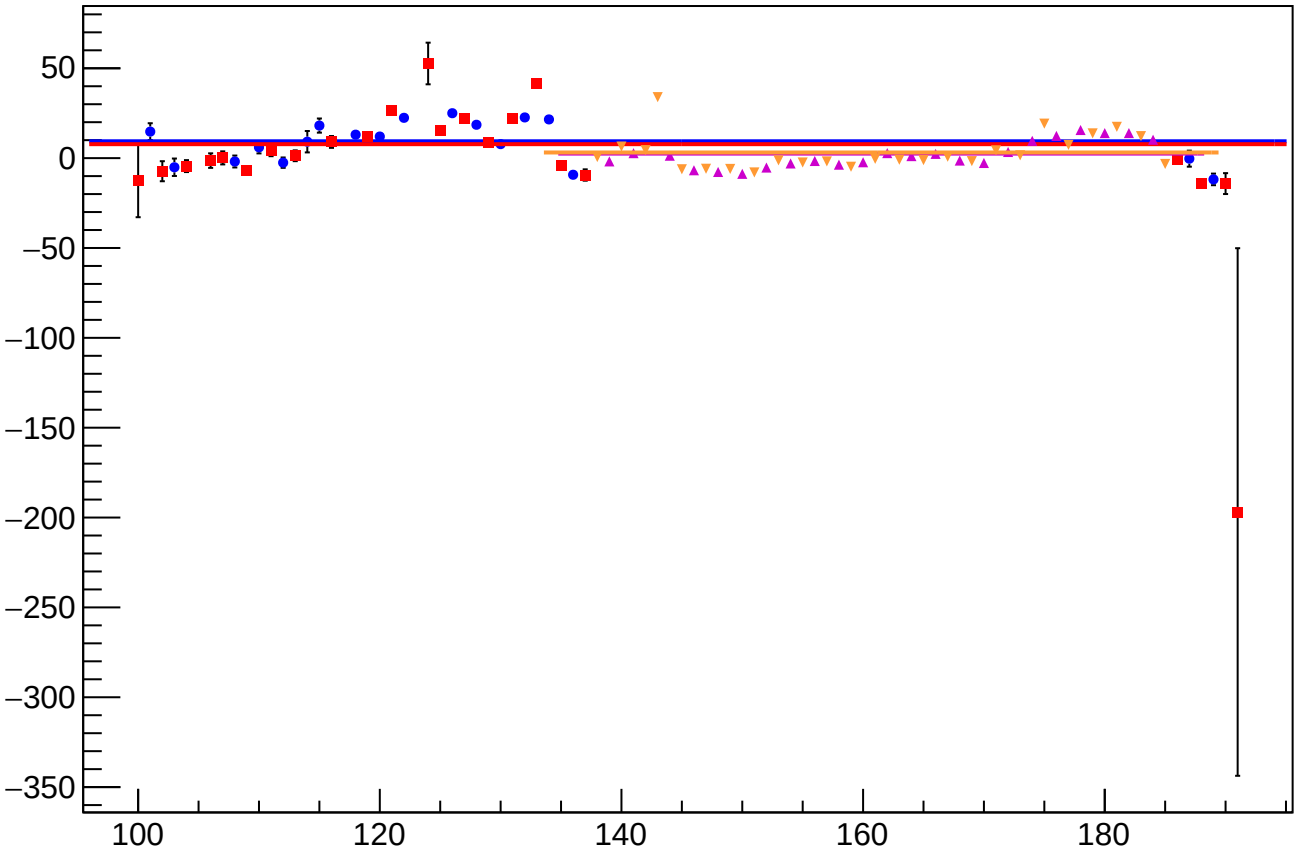
Right Out: 73.925+/-0.441 χ^2/NDF: 3762.5/22

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

+ sign 48.210+/-0.248 χ^2/NDF: 9316.8/42

All: 48.945+/-0.172 χ^2/NDF: 17827.5/88

- sign 49.629+/-0.239 χ^2/NDF: 8493.7/45



Right In: 9.376+/-0.609 χ^2/NDF: 410.2/17

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

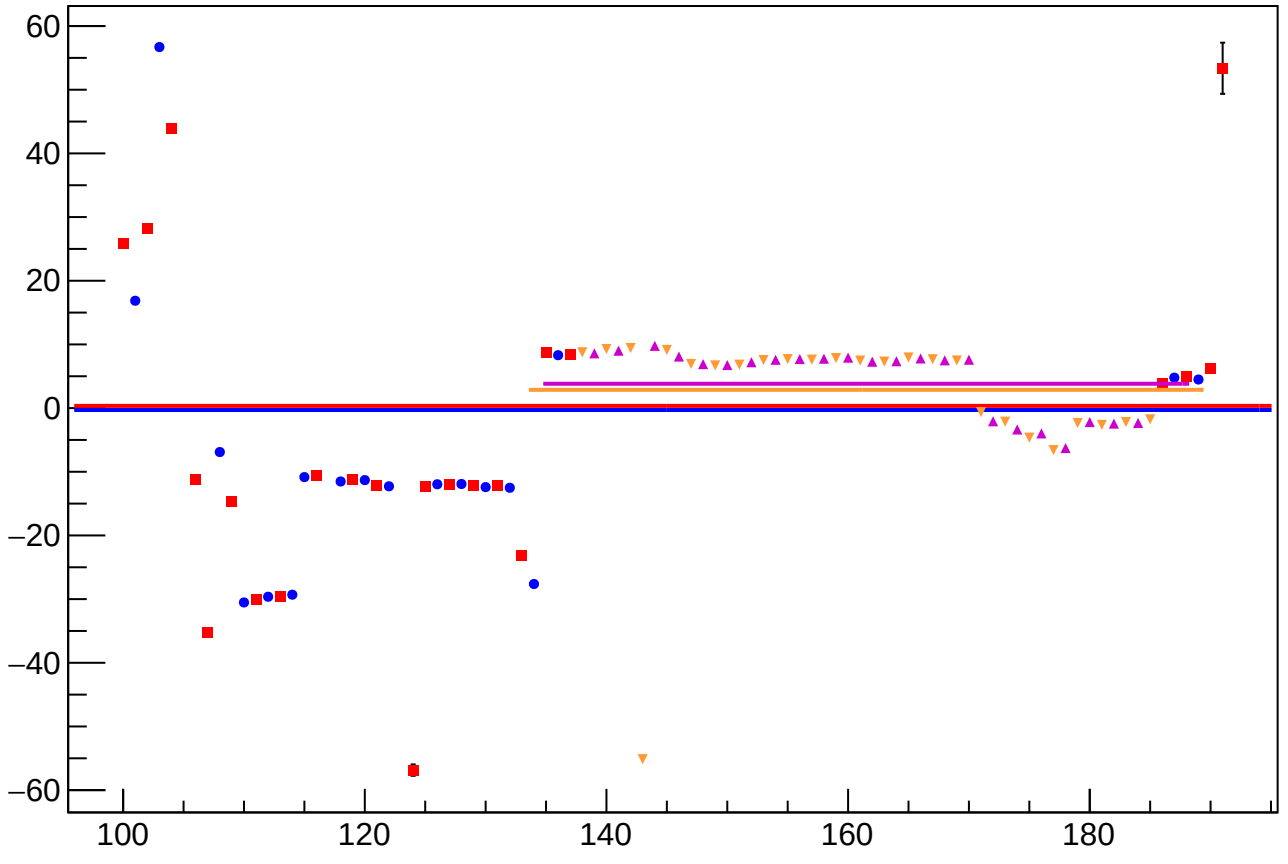
Right Out: 7.768+/-0.591 χ^2/NDF: 615.8/22

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

+ sign 4.012+/-0.228 χ^2/NDF: 1767.3/42

All: 3.672+/-0.162 χ^2/NDF: 3422.8/88

- sign 3.322+/-0.231 χ^2/NDF: 1650.9/45



Right In: -0.295+/-0.034 χ^2/NDF: 369846.8/17

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

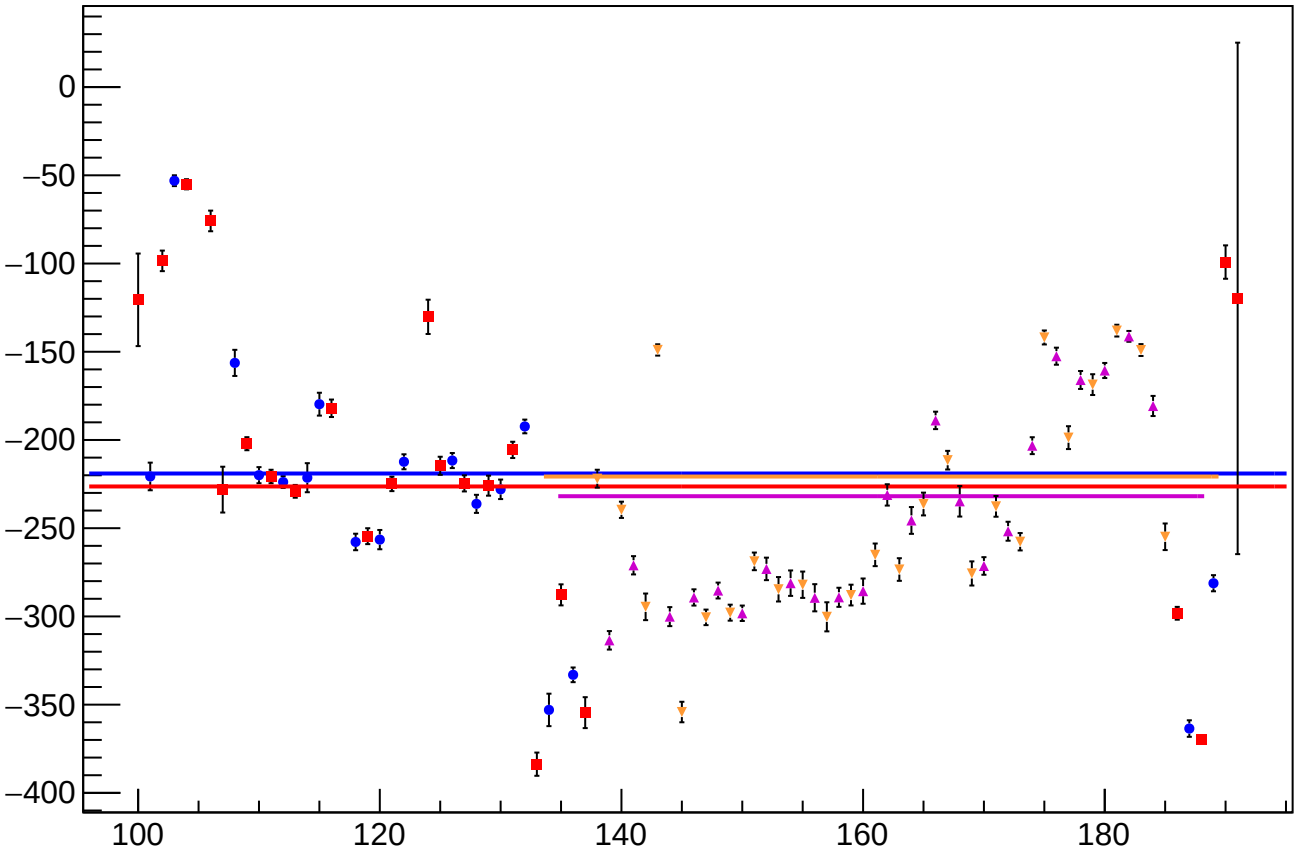
Right Out: 0.348+/-0.034 χ^2/NDF: 320553.3/22

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

+ sign 2.576+/-0.010 χ^2/NDF: 889892.1/42

All: 3.028+/-0.007 χ^2/NDF: 1456941.3/88

- sign 3.488+/-0.011 χ^2/NDF: 563278.0/45



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: -226.345+/-0.980 χ^2/NDF: 9750.3/22

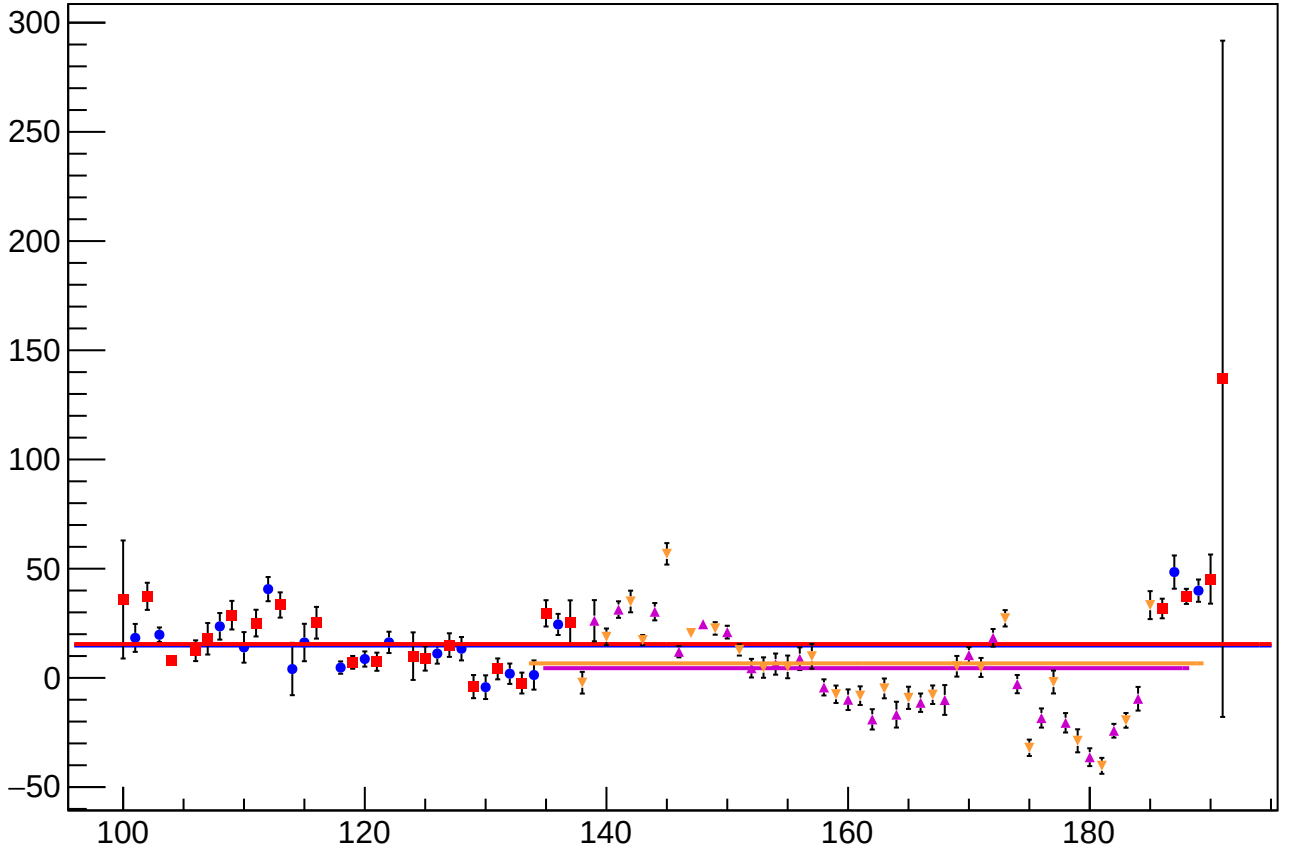
Left In: -231.871+/-1.077 χ^2/NDF:3160.3/22

+ sign -219.940+/-0.752 χ^2/NDF: 9375.5/42

All: -224.555+/-0.522 χ^2/NDF: 22373.3/88

- sign -228.849+/-0.725 χ^2/NDF: 12925.1/45

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 14.828+/-1.157 χ^2/NDF: 115.7/17

Left Out: 6.643+/-0.752 χ^2/NDF:735.0/24

Right Out: 15.496+/-1.034 χ^2/NDF: 156.0/22

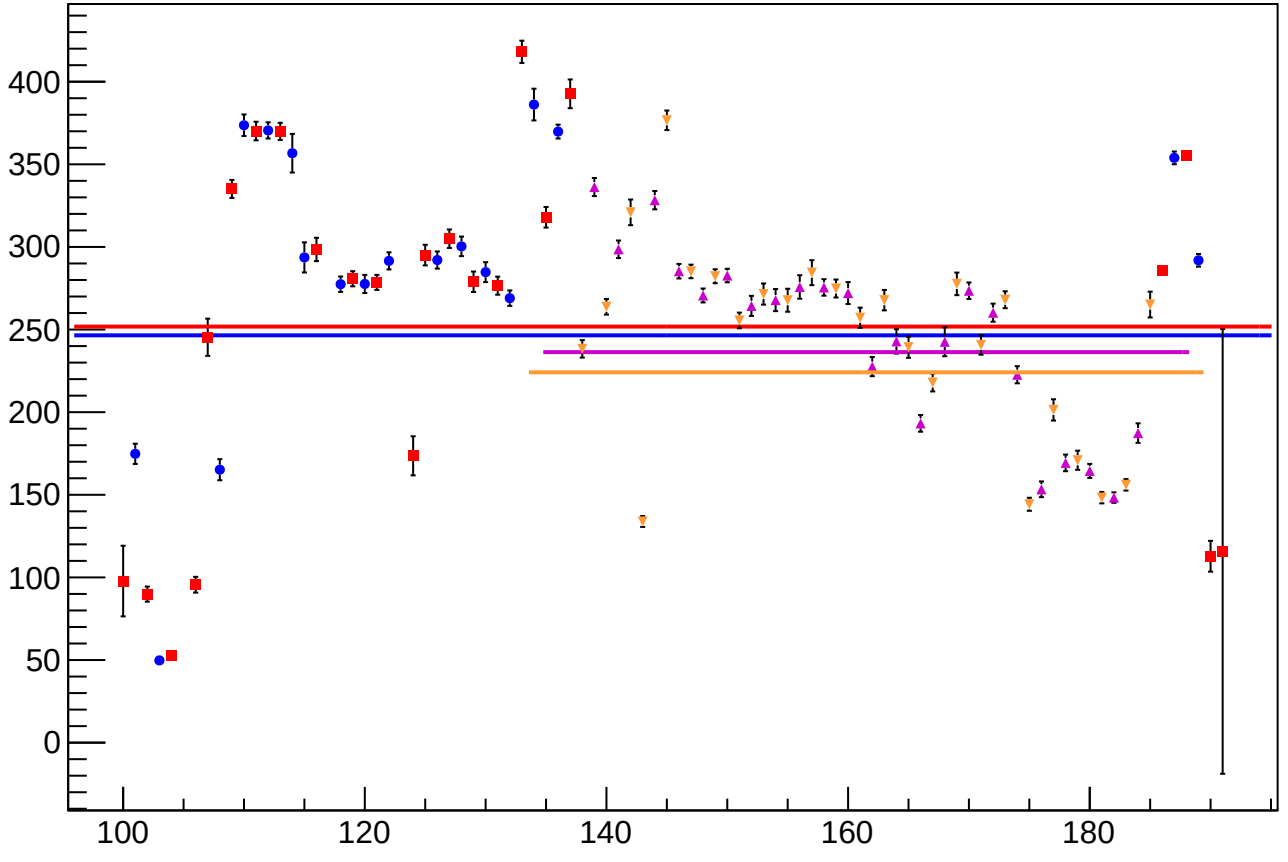
Left In: 4.447+/-0.807 χ^2/NDF:567.1/22

+ sign 9.076+/-0.631 χ^2/NDF: 885.8/42

All: 8.856+/-0.448 χ^2/NDF: 1680.1/88

- sign 8.632+/-0.636 χ^2/NDF: 794.0/45

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

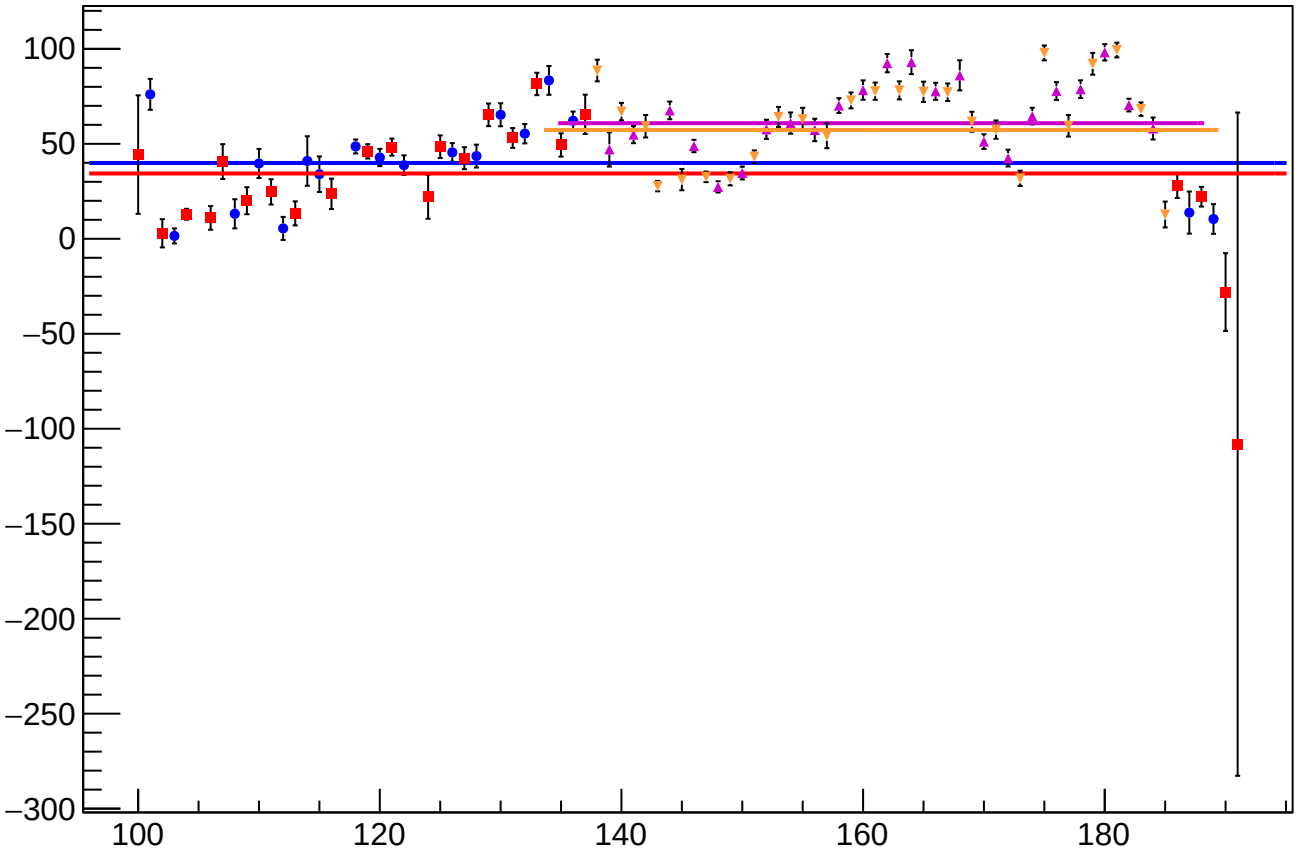
Right Out: 251.807+/-0.963 χ^2/NDF: 15627.3/22

Left In: 236.342+/-1.066 χ^2/NDF:2992.9/22

+ sign 233.977+/-0.758 χ^2/NDF: 14646.0/42

All: 239.742+/-0.520 χ^2/NDF: 33491.2/88

- sign 244.862+/-0.715 χ^2/NDF: 18736.0/45



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: 34.384+/-1.251 χ^2/NDF: 270.7/22

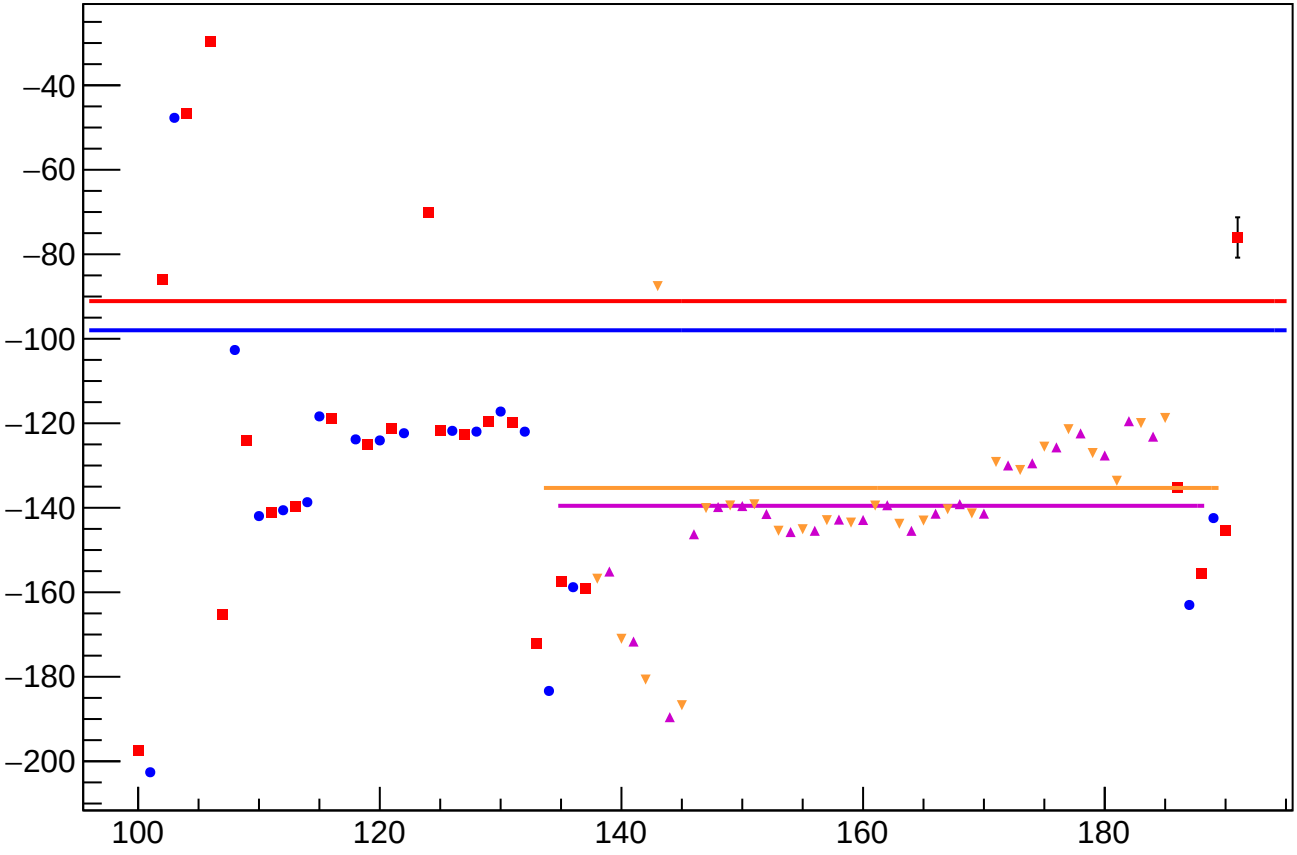
Left In: 60.877+/-0.923 χ^2/NDF:454.7/22

+ sign 52.289+/-0.732 χ^2/NDF: 1149.6/42

All: 51.920+/-0.521 χ^2/NDF: 2166.1/88

- sign 51.542+/-0.742 χ^2/NDF: 1016.0/45

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -97.988+/-0.068 χ^2/NDF: 548000.7/17

Left Out: -135.305+/-0.041 χ^2/NDF:262874.5/24

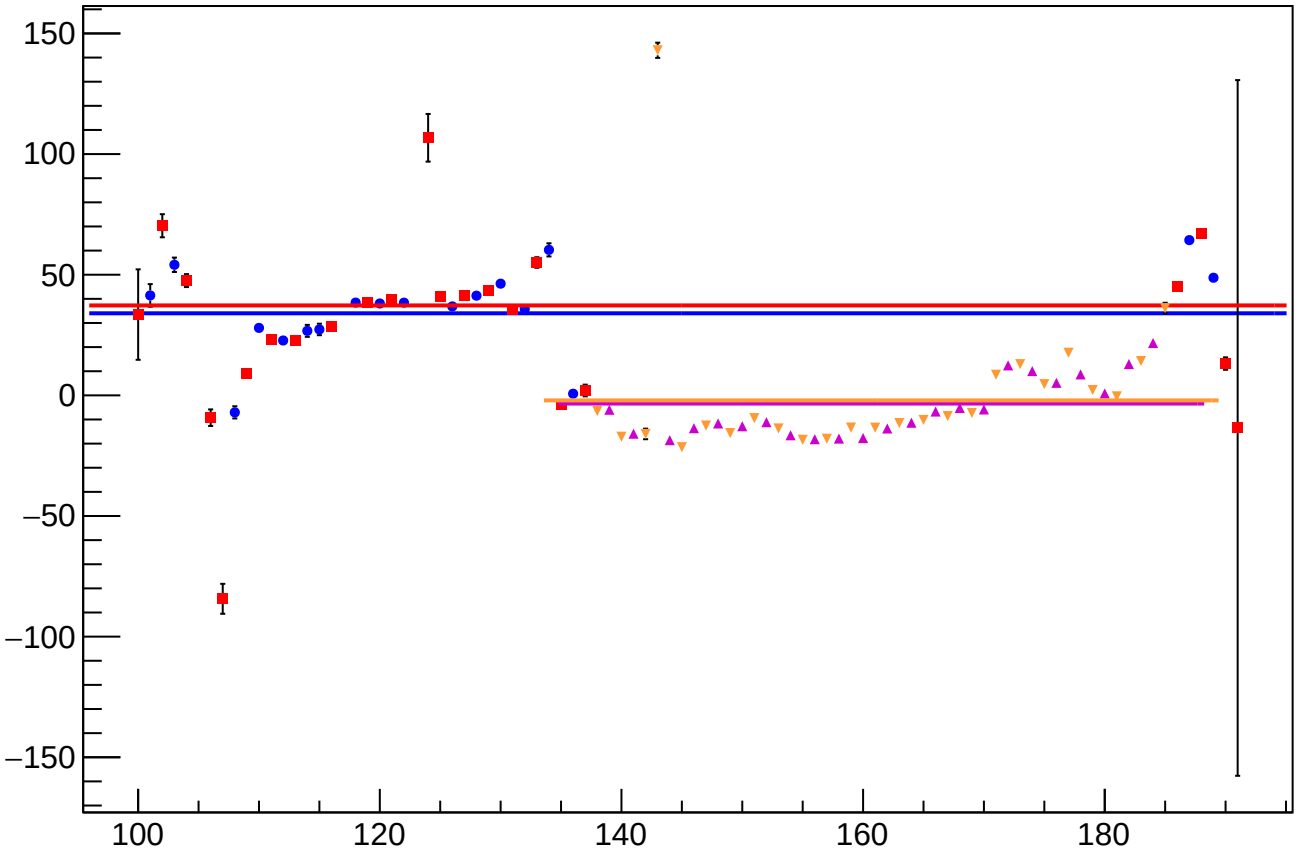
Right Out: -91.086+/-0.064 χ^2/NDF: 561031.2/22

Left In: -139.533+/-0.042 χ^2/NDF:114482.7/22

+ sign -125.454+/-0.035 χ^2/NDF: 1034163.2/42

All: -125.191+/-0.025 χ^2/NDF: 2108981.1/88

- sign -124.922+/-0.035 χ^2/NDF: 1074702.4/45



Right In: 34.012+/-0.386 χ^2/NDF: 2151.2/17

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

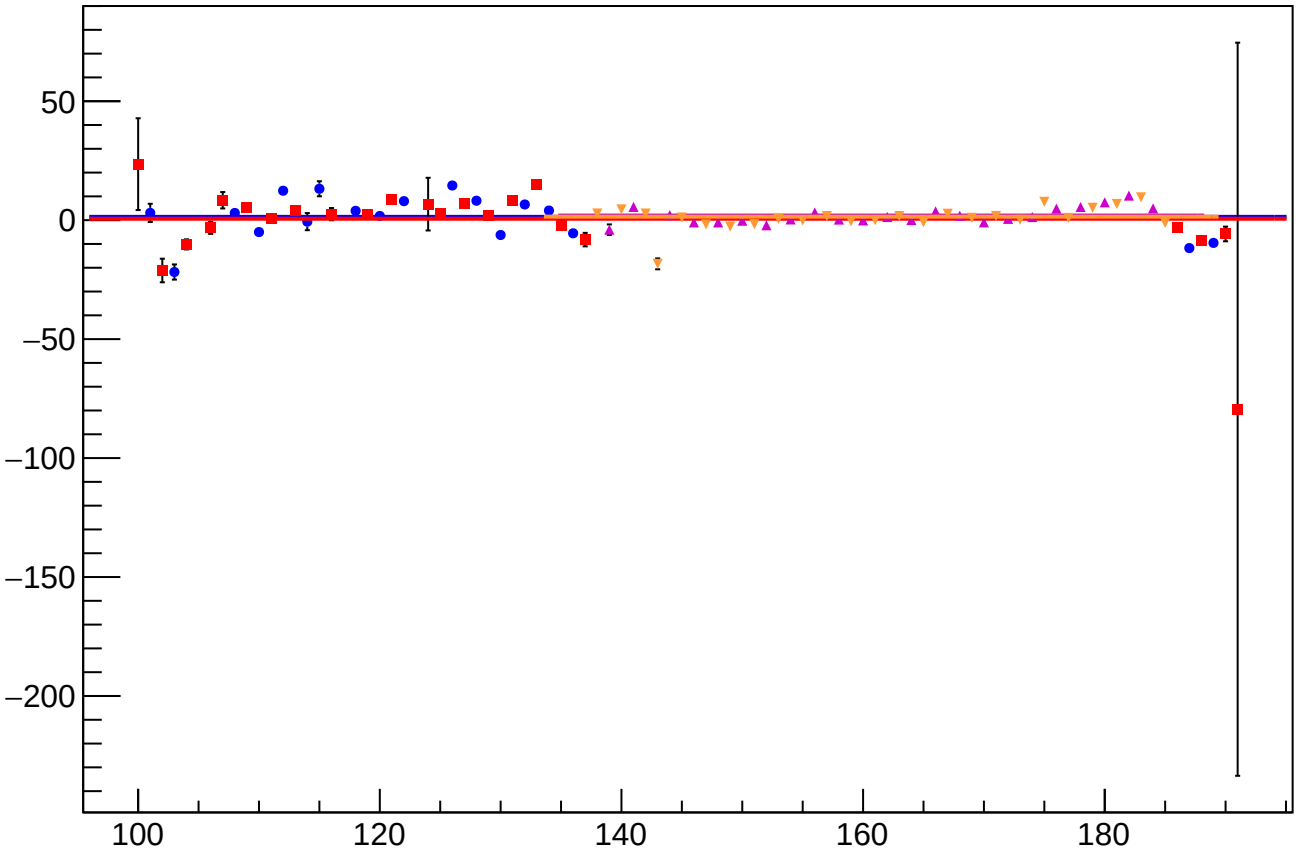
Right Out: 37.276+/-0.328 χ^2/NDF: 4380.7/22

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

+ sign 9.577+/-0.219 χ^2/NDF: 12271.7/42

All: 11.426+/-0.151 χ^2/NDF: 27655.3/88

- sign 13.105+/-0.209 χ^2/NDF: 15248.2/45



Right In: 1.388+/-0.416 χ^2/NDF: 353.7/17

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

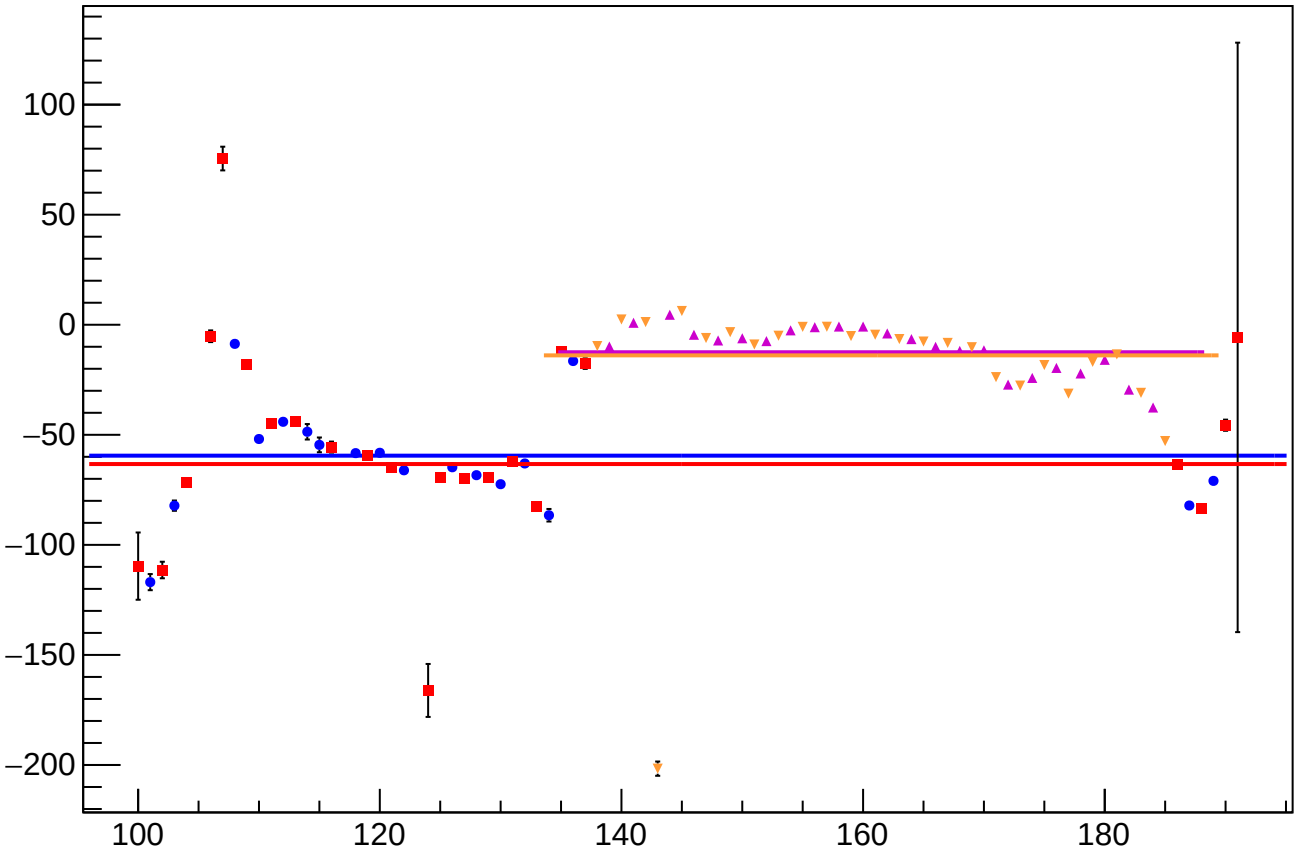
Right Out: 0.600+/-0.381 χ^2/NDF: 319.2/22

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

\+ sign 1.469+/-0.184 χ^2/NDF: 682.3/42

All: 1.545+/-0.130 χ^2/NDF: 1251.8/88

\- sign 1.622+/-0.184 χ^2/NDF: 569.2/45



Right In: -59.475+/-0.412 χ^2/NDF: 3103.9/17

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

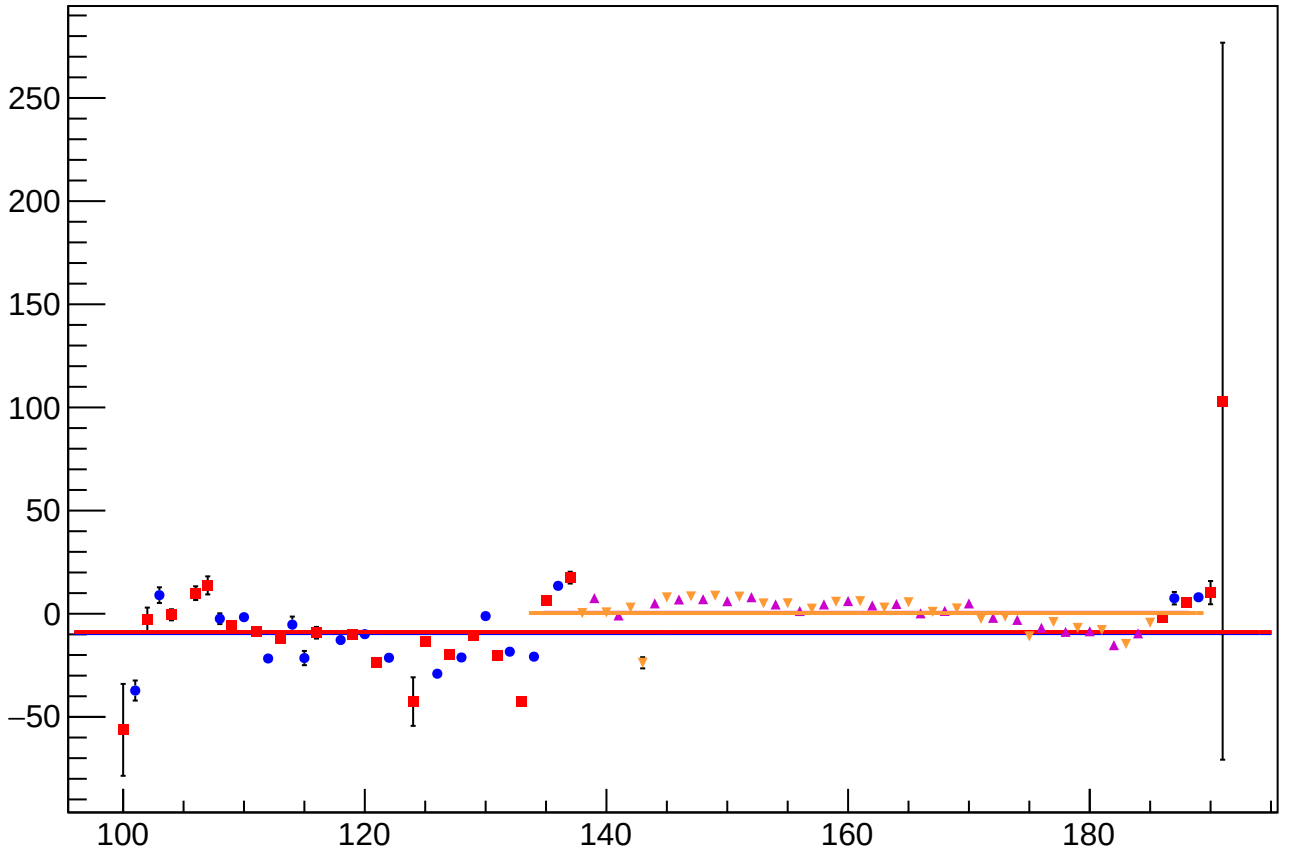
Right Out: -63.285+/-0.327 χ^2/NDF: 4972.3/22

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

+ sign -27.215+/-0.223 χ^2/NDF: 16886.1/42

All: -30.306+/-0.152 χ^2/NDF: 38065.7/88

- sign -32.988+/-0.208 χ^2/NDF: 20820.0/45



Right In: -9.376+/-0.487 χ^2/NDF: 760.4/17

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

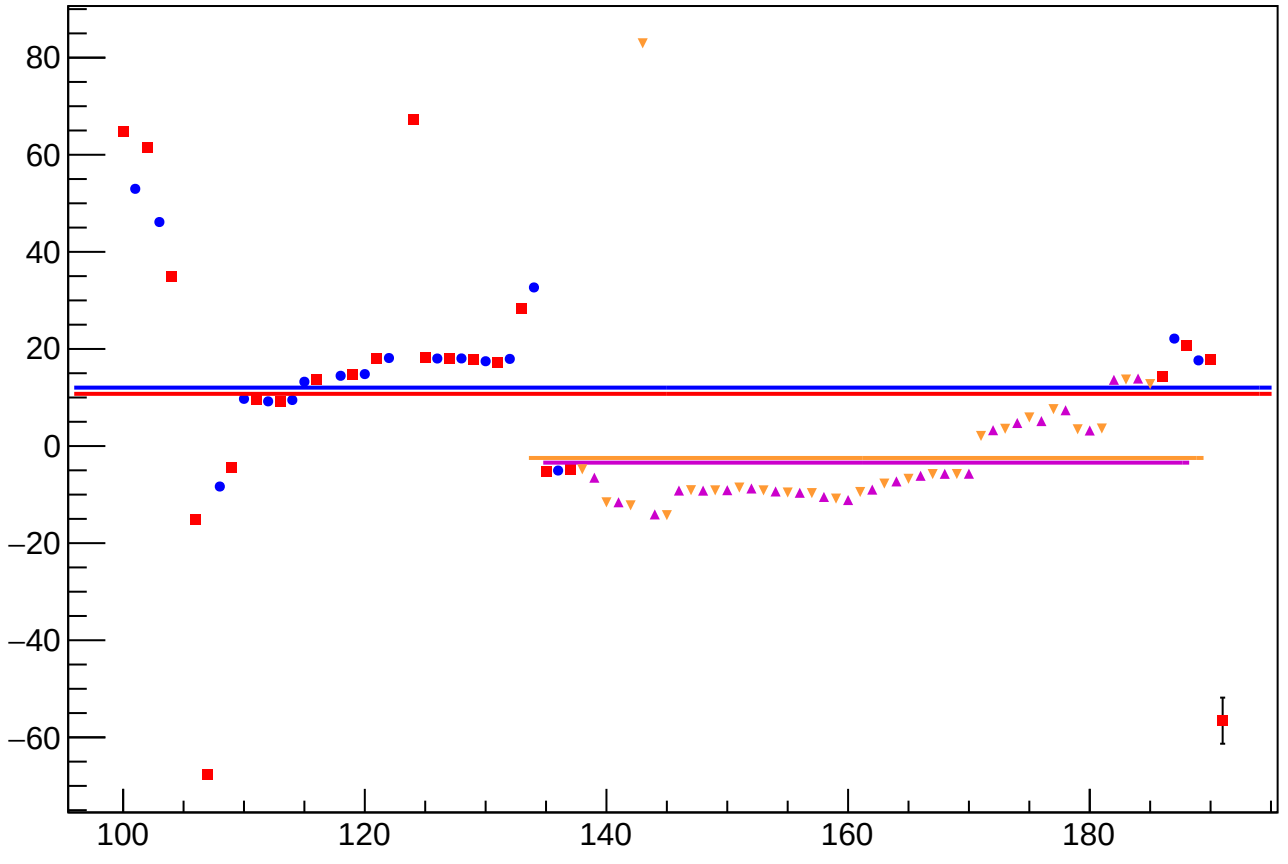
Right Out: -8.856+/-0.463 χ^2/NDF: 811.0/22

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

+ sign -1.442+/-0.209 χ^2/NDF: 2007.0/42

All: -1.465+/-0.148 χ^2/NDF: 3918.8/88

- sign -1.489+/-0.211 χ^2/NDF: 1911.8/45



Right In: 12.036+/-0.028 χ^2/NDF: 356350.3/17

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

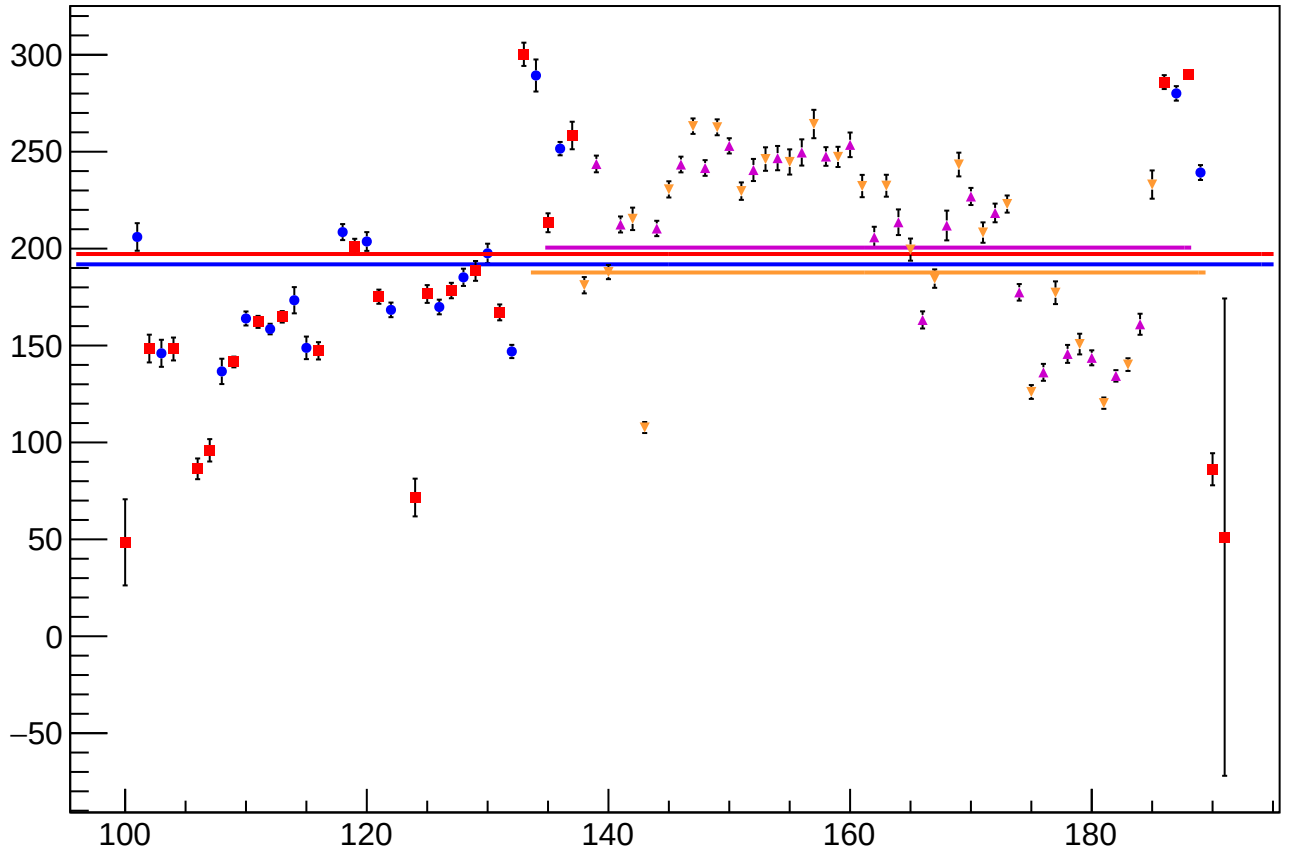
Right Out: 10.755+/-0.028 χ^2/NDF: 458894.9/22

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

+ sign -0.753+/-0.010 χ^2/NDF: 1547855.7/42

All: -1.213+/-0.007 χ^2/NDF: 2784450.7/88

- sign -1.677+/-0.010 χ^2/NDF: 1232107.6/45



Right In: 191.889+/-1.010 χ^2/NDF: 1805.5/17

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

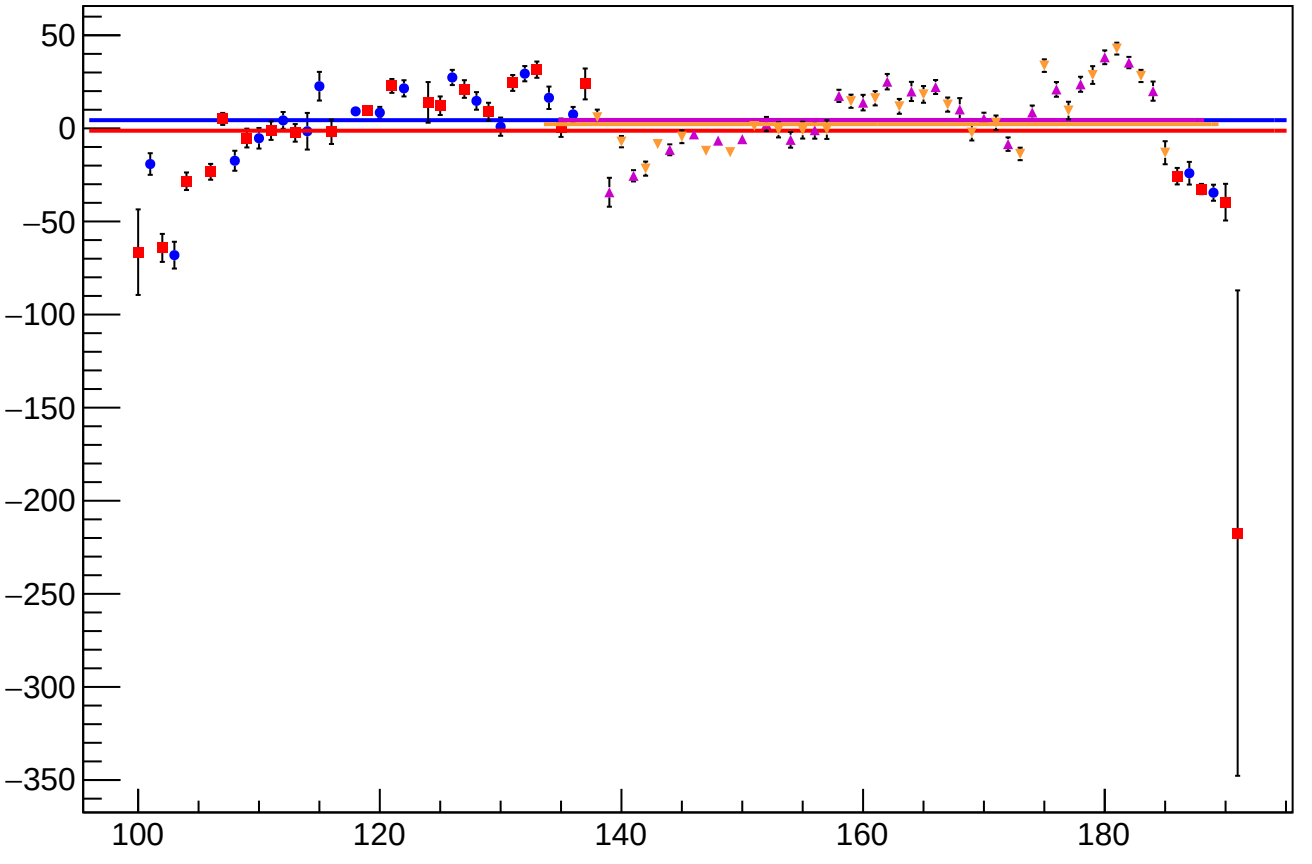
Right Out: 197.216+/-0.875 χ^2/NDF: 5333.7/22

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 189.538+/-0.671 χ^2/NDF: 5343.5/42

All: 194.311+/-0.465 χ^2/NDF: 12892.5/88

- sign 198.723+/-0.645 χ^2/NDF: 7451.6/45



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: -1.262+/-0.963 χ^2/NDF: 517.7/22

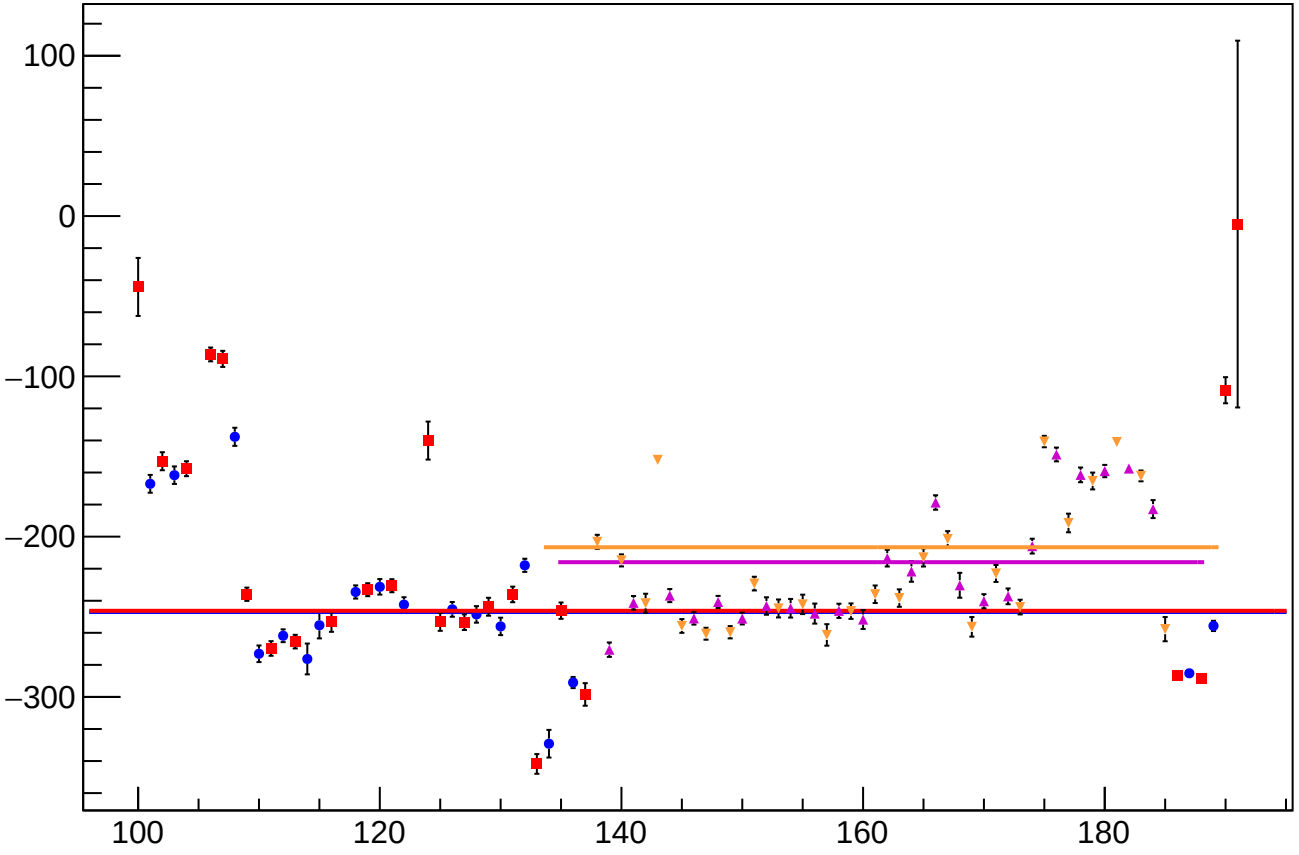
Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign 2.851+/-0.563 χ^2/NDF: 950.3/42

All: 2.660+/-0.402 χ^2/NDF: 2038.6/88

- sign 2.463+/-0.574 χ^2/NDF: 1088.0/45

reg_asym_at1_avg_at2_avg_dd_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: -246.264+/-0.892 χ^2/NDF: 4787.6/22

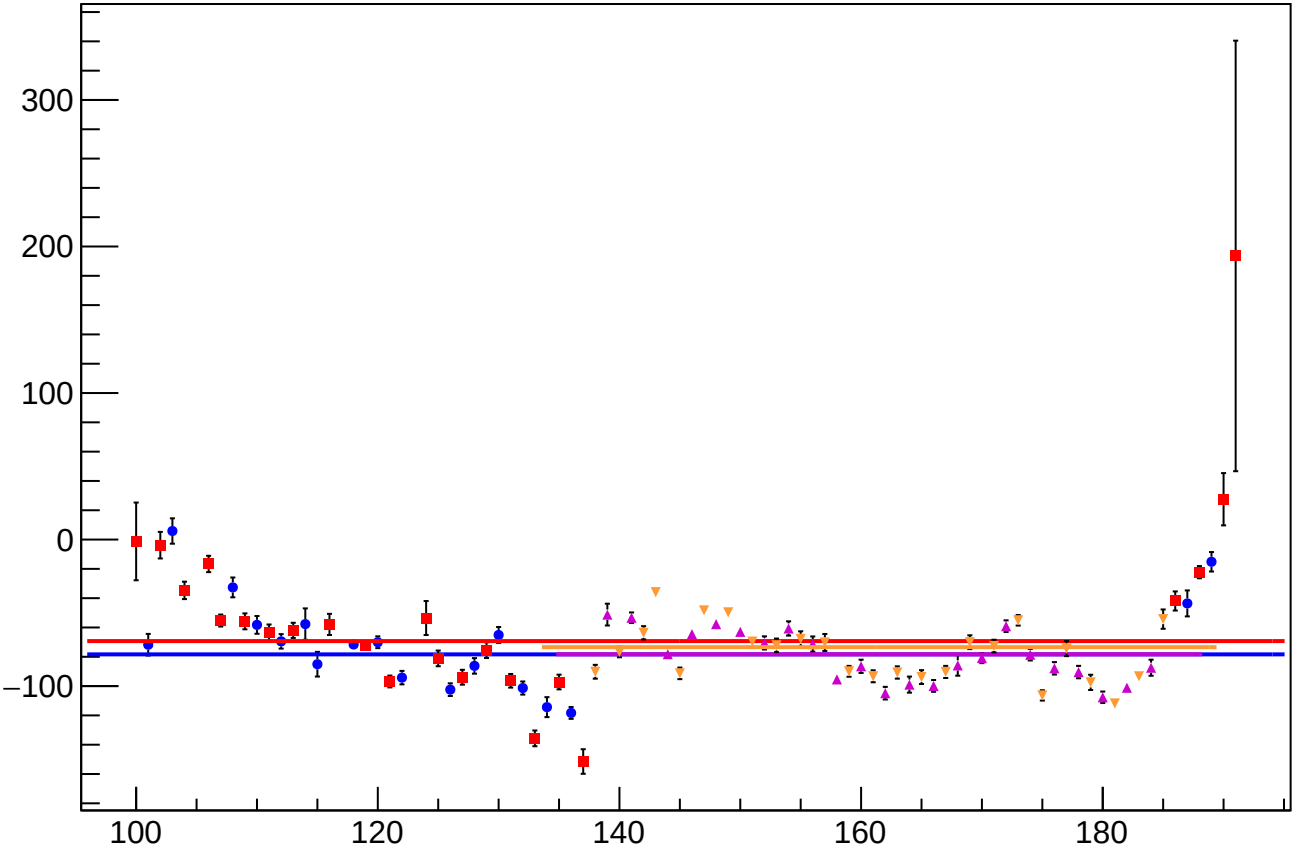
Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

\+ sign -222.961+/-0.691 χ^2/NDF: 4653.6/42

All: -227.755+/-0.473 χ^2/NDF: 11787.8/88

\- sign -231.991+/-0.649 χ^2/NDF: 7043.4/45

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs Slug



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: -69.281+/-1.158 χ^2/NDF: 775.8/22

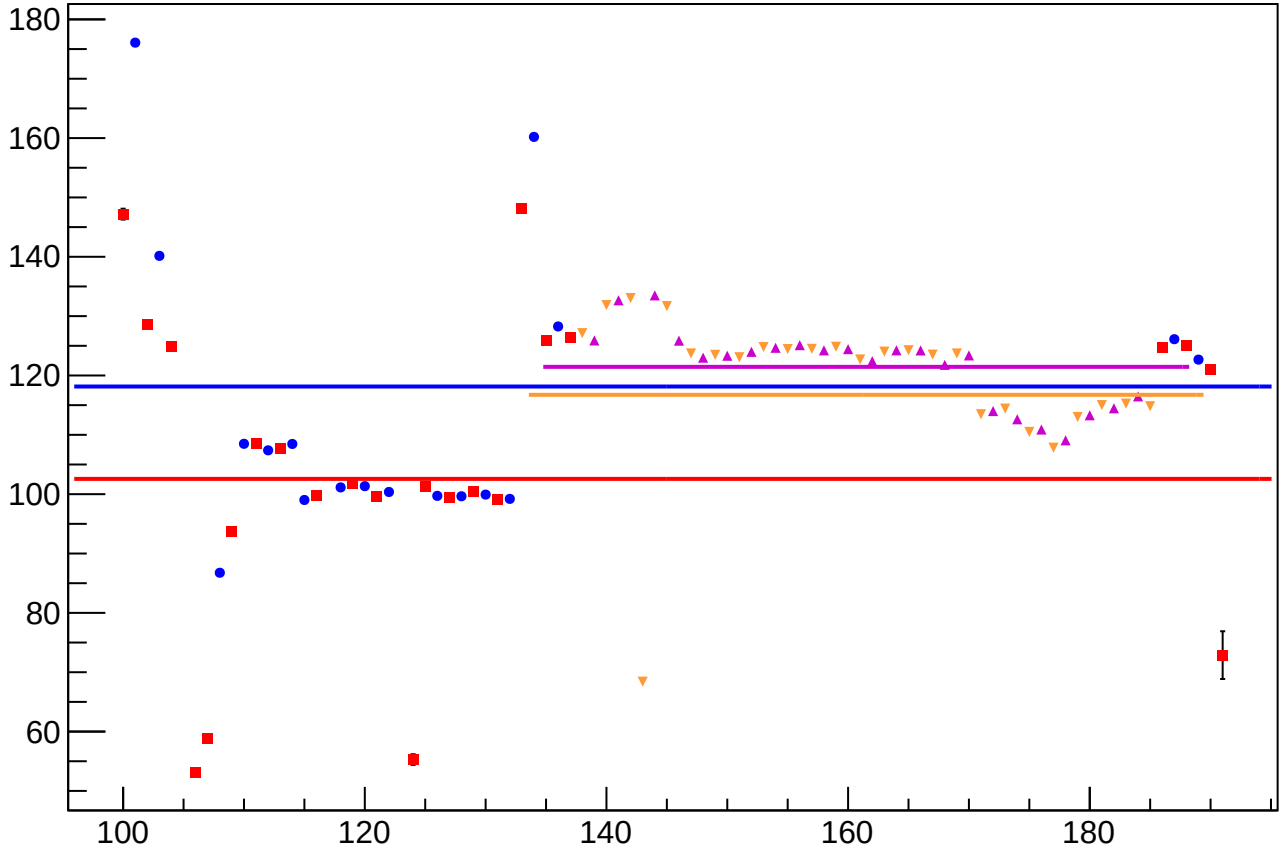
Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -74.772+/-0.654 χ^2/NDF: 1326.3/42

All: -75.041+/-0.467 χ^2/NDF: 2586.4/88

- sign -75.321+/-0.668 χ^2/NDF: 1259.8/45

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs Slug



Right In: 118.141+/-0.075 χ^2/NDF: 95897.9/17

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

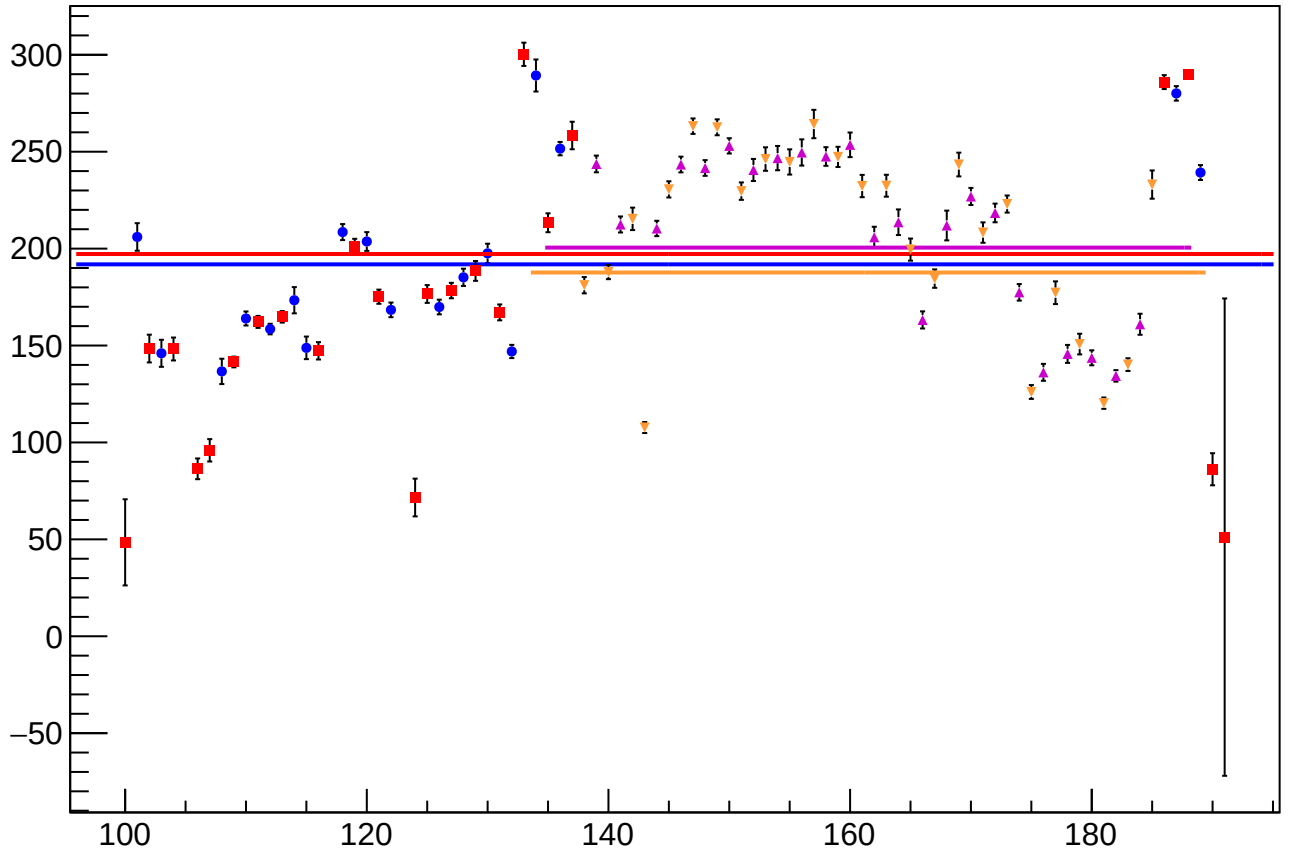
Right Out: 102.577+/-0.066 χ^2/NDF: 181361.3/22

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.000+/-0.032 χ^2/NDF: 299832.2/42

All: 116.943+/-0.023 χ^2/NDF: 572094.2/88

- sign 116.886+/-0.032 χ^2/NDF: 272255.9/45



Right In: 191.889+/-1.010 χ^2/NDF: 1805.5/17

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

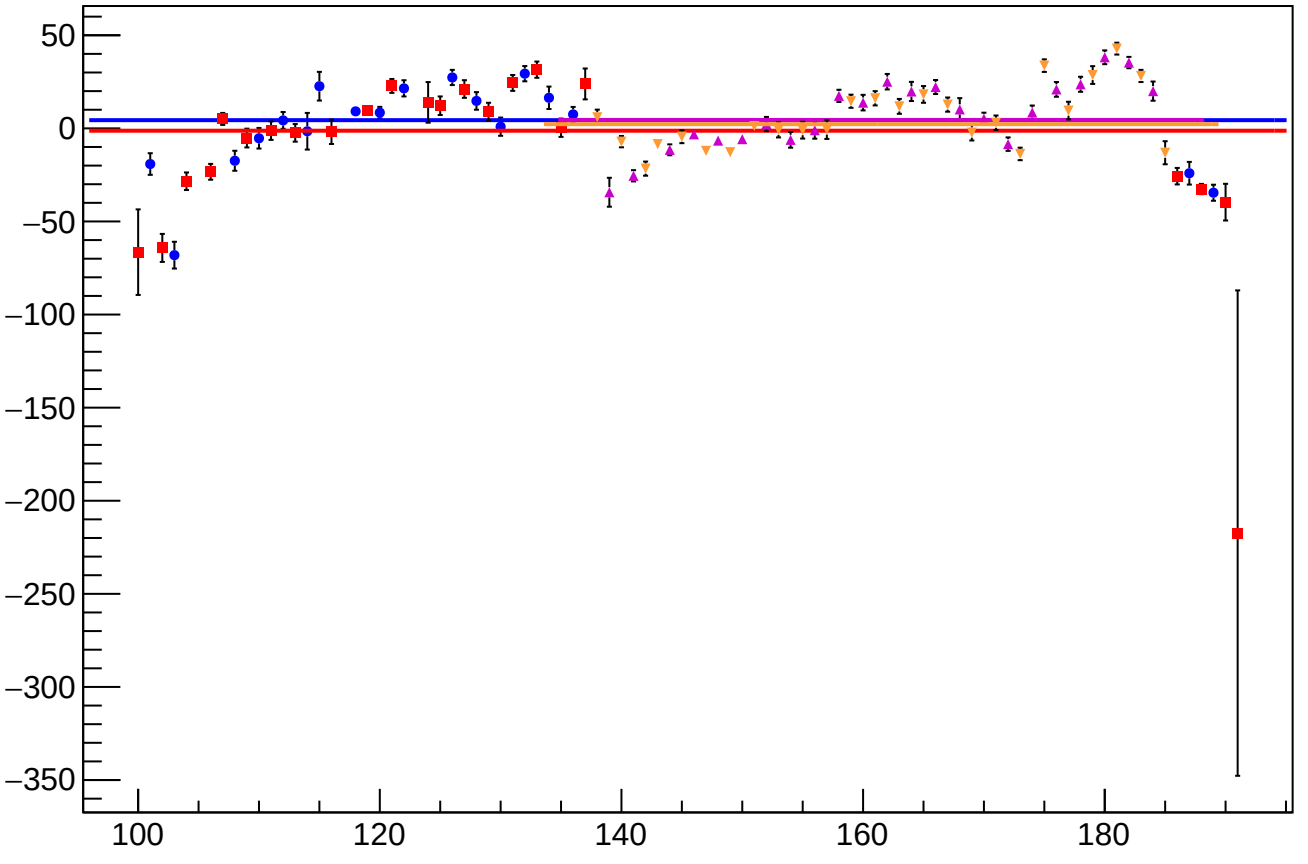
Right Out: 197.216+/-0.875 χ^2/NDF: 5333.7/22

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 189.538+/-0.671 χ^2/NDF: 5343.5/42

All: 194.311+/-0.465 χ^2/NDF: 12892.5/88

- sign 198.723+/-0.645 χ^2/NDF: 7451.6/45



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: -1.262+/-0.963 χ^2/NDF: 517.7/22

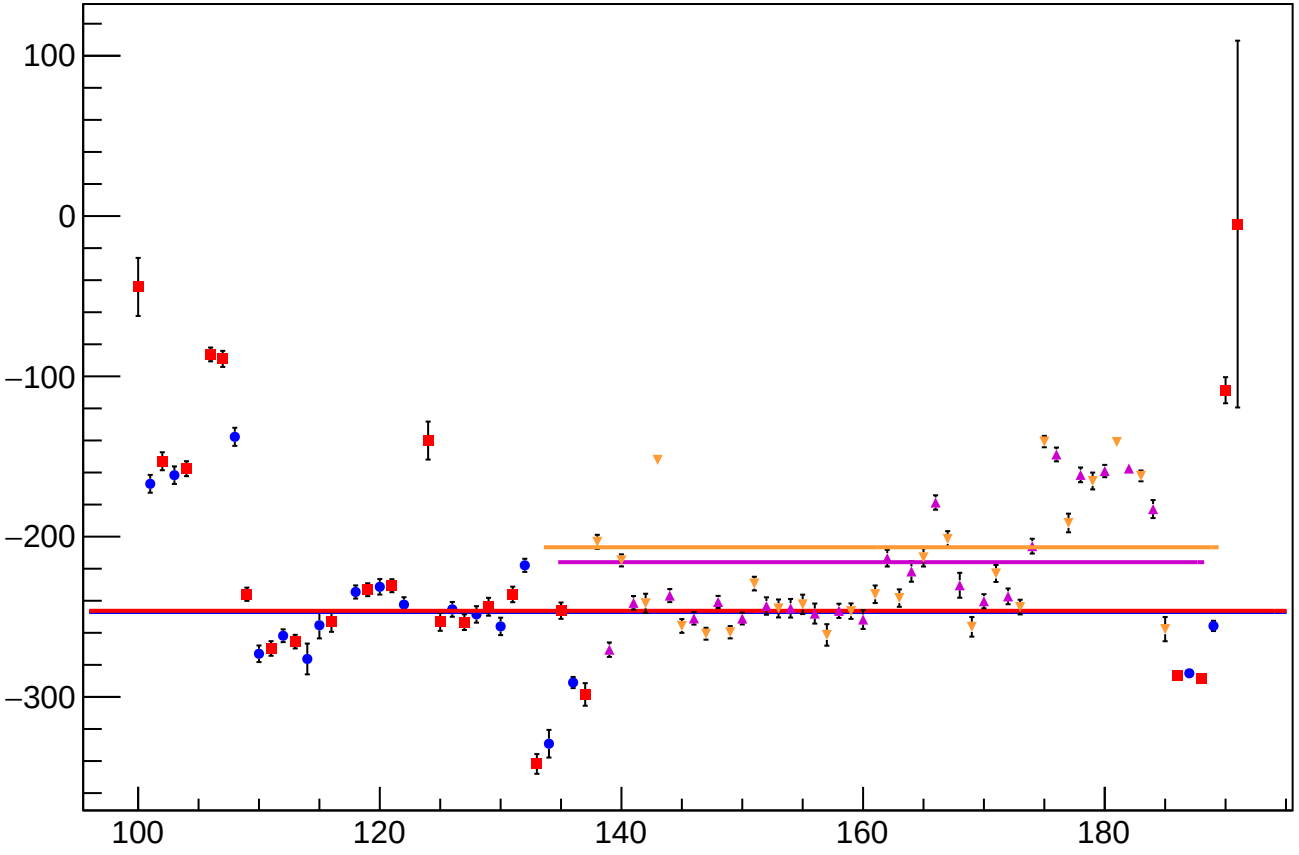
Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign 2.851+/-0.563 χ^2/NDF: 950.3/42

All: 2.660+/-0.402 χ^2/NDF: 2038.6/88

- sign 2.463+/-0.574 χ^2/NDF: 1088.0/45

reg_asym_atl1r2_dd_atl2r1_dd_dd_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

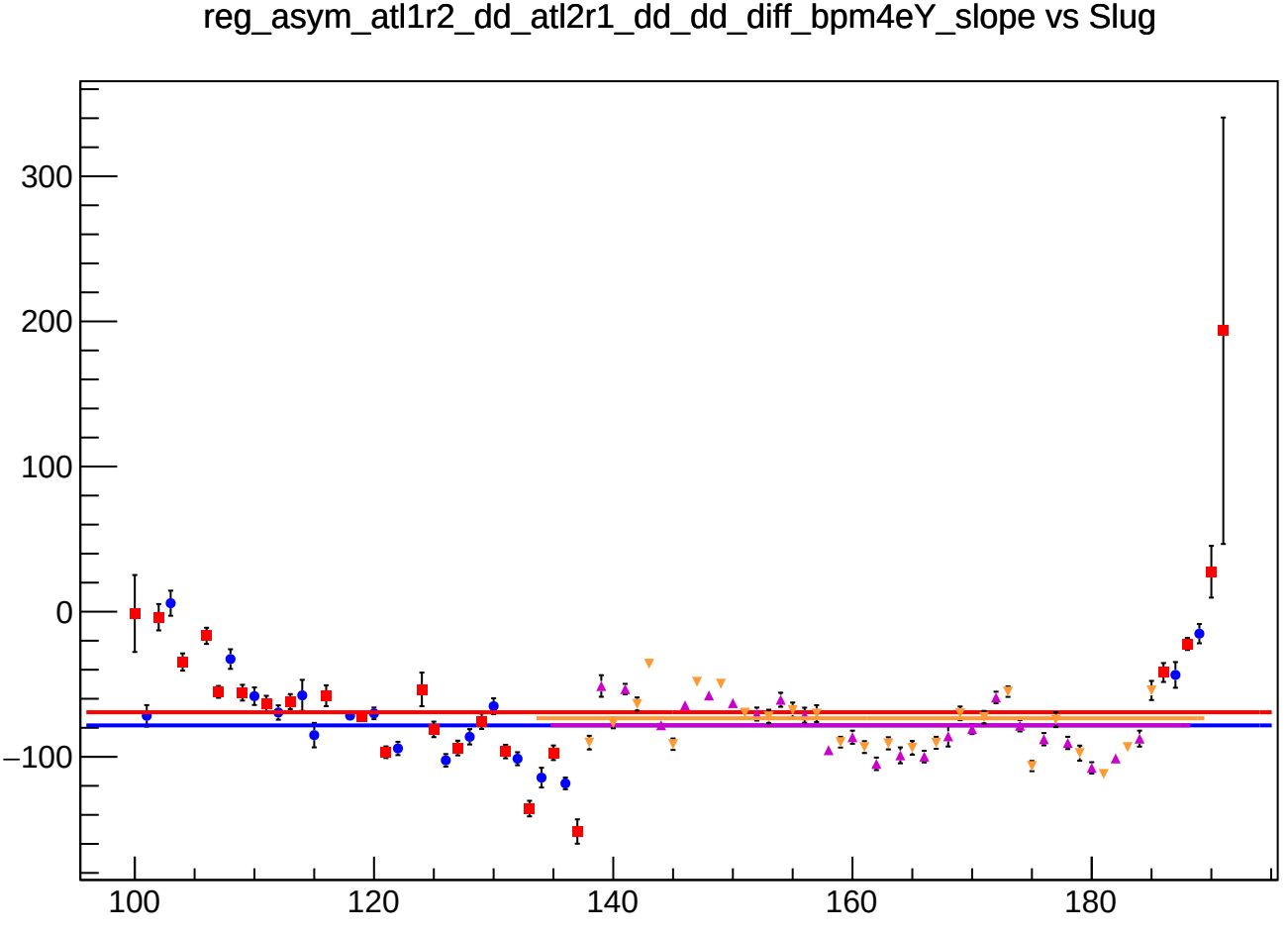
Right Out: -246.264+/-0.892 χ^2/NDF: 4787.6/22

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -222.961+/-0.691 χ^2/NDF: 4653.6/42

All: -227.755+/-0.473 χ^2/NDF: 11787.8/88

- sign -231.991+/-0.649 χ^2/NDF: 7043.4/45



Right In: -78.351+/-1.251 χ^2/NDF: 478.5/17

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

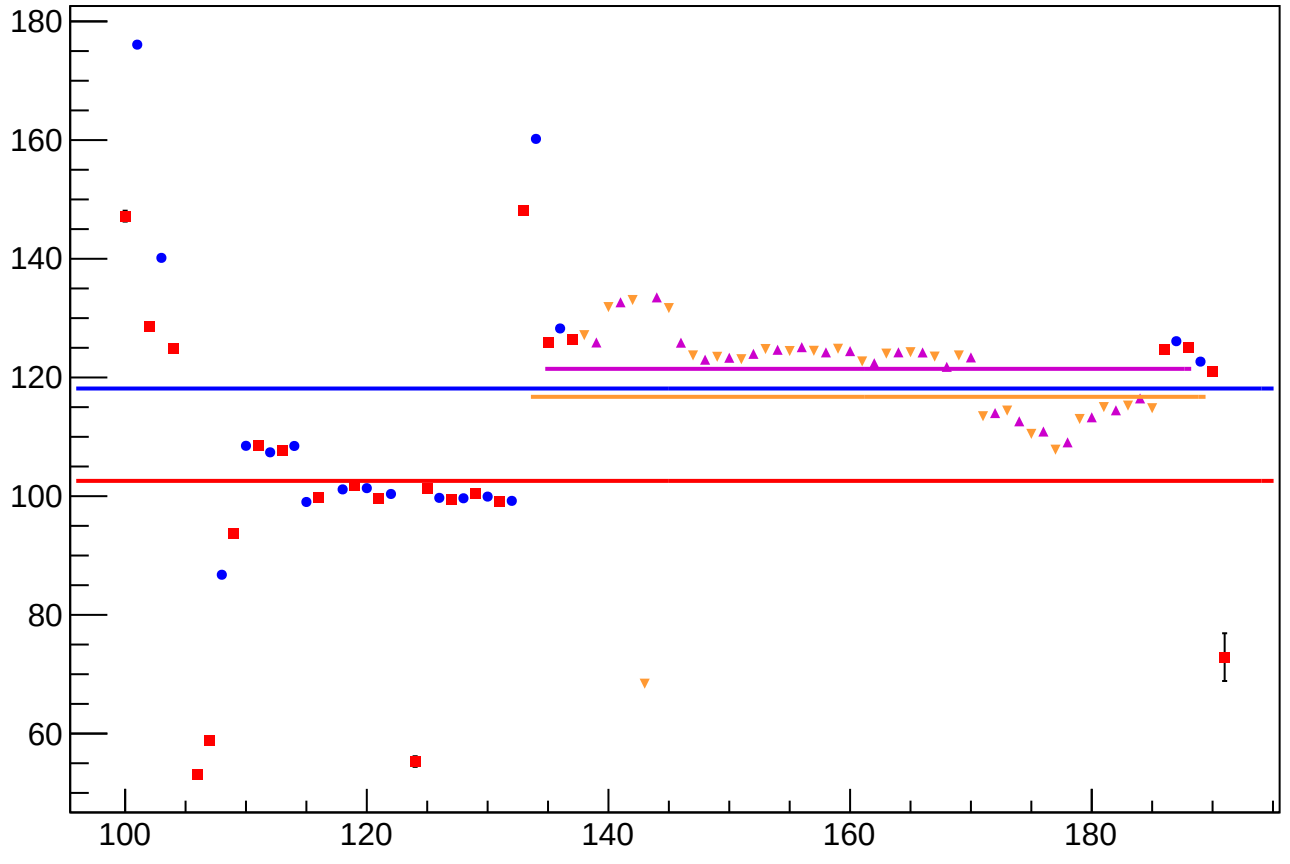
Right Out: -69.281+/-1.158 χ^2/NDF: 775.8/22

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -74.772+/-0.654 χ^2/NDF: 1326.3/42

All: -75.041+/-0.467 χ^2/NDF: 2586.4/88

- sign -75.321+/-0.668 χ^2/NDF: 1259.8/45



Right In: 118.141+/-0.075 χ^2/NDF: 95897.9/17

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

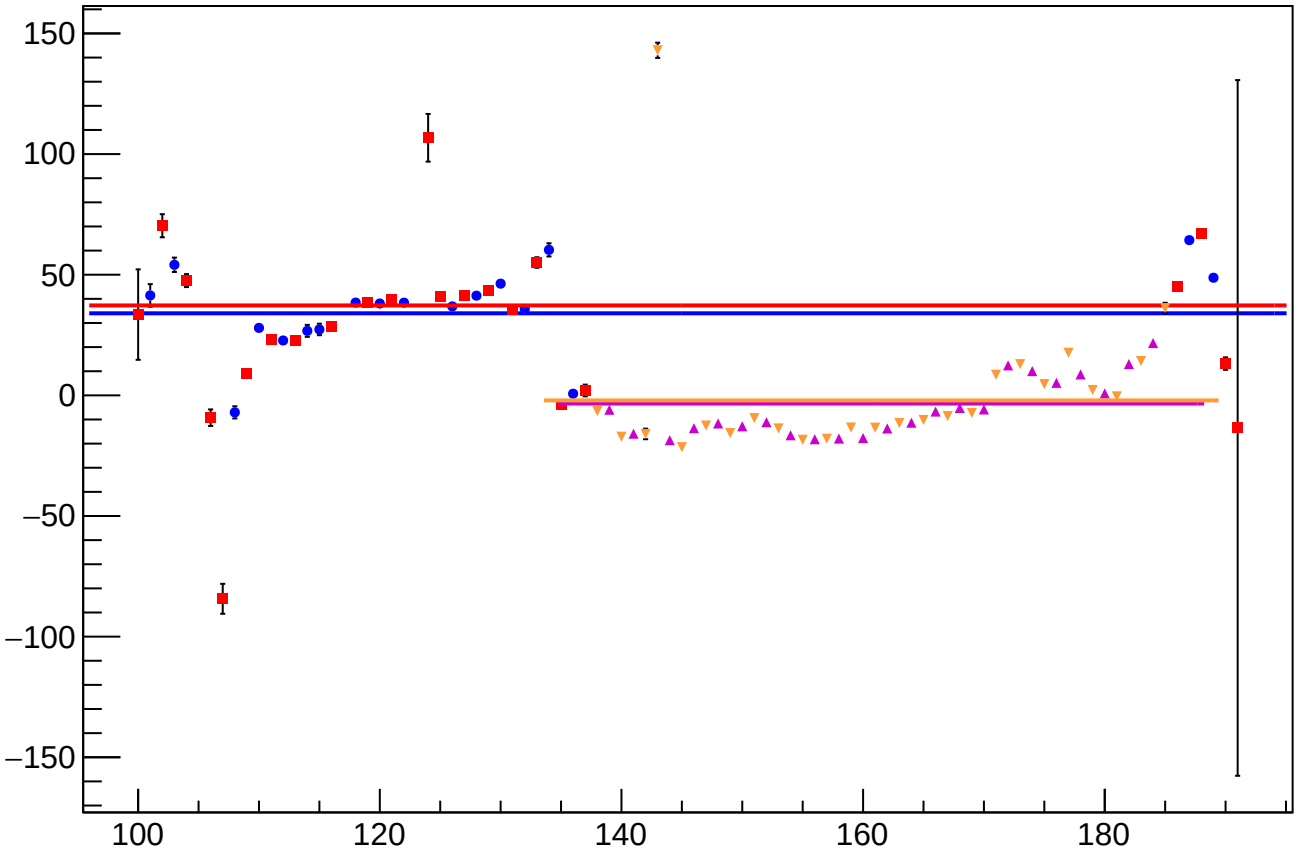
Right Out: 102.577+/-0.066 χ^2/NDF: 181361.3/22

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.000+/-0.032 χ^2/NDF: 299832.2/42

All: 116.943+/-0.023 χ^2/NDF: 572094.2/88

- sign 116.886+/-0.032 χ^2/NDF: 272255.9/45



Right In: 34.012+/-0.386 χ^2/NDF: 2151.2/17

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

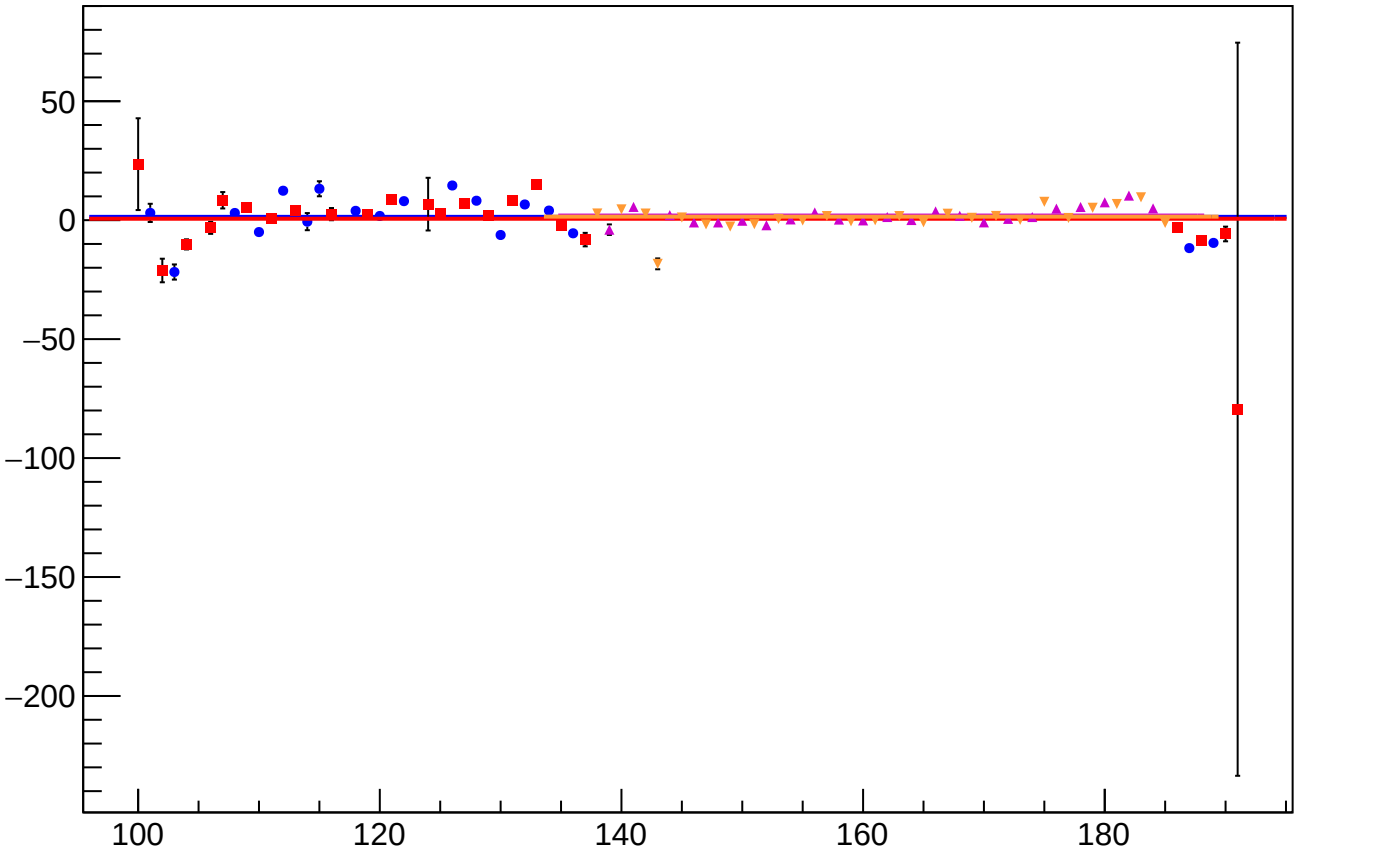
Right Out: 37.276+/-0.328 χ^2/NDF: 4380.7/22

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

+ sign 9.577+/-0.219 χ^2/NDF: 12271.7/42

All: 11.426+/-0.151 χ^2/NDF: 27655.3/88

- sign 13.105+/-0.209 χ^2/NDF: 15248.2/45



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: 0.600+/-0.381 χ^2/NDF: 319.2/22

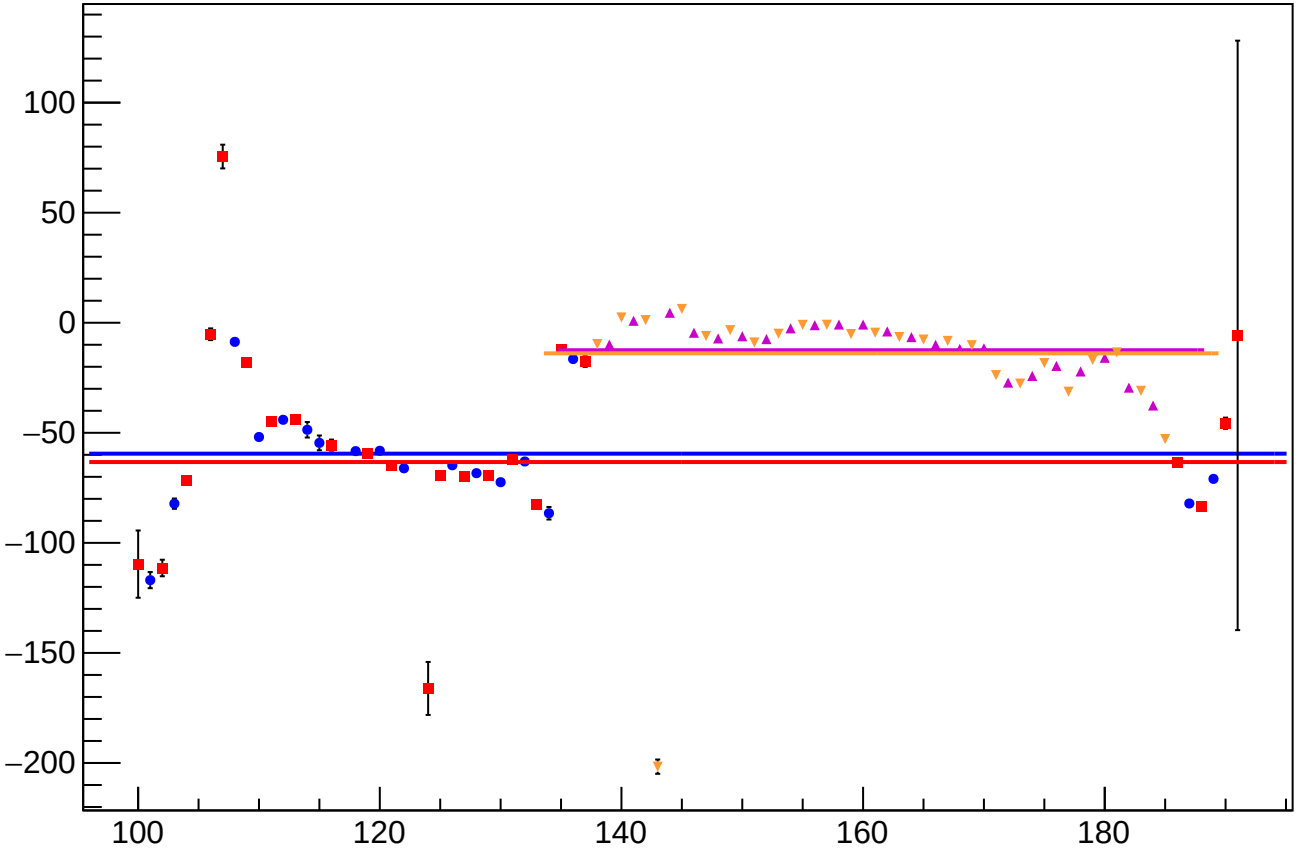
Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

+ sign 1.469+/-0.184 χ^2/NDF: 682.3/42

All: 1.545+/-0.130 χ^2/NDF: 1251.8/88

- sign 1.622+/-0.184 χ^2/NDF: 569.2/45

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -59.475+/-0.412 χ^2/NDF: 3103.9/17

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

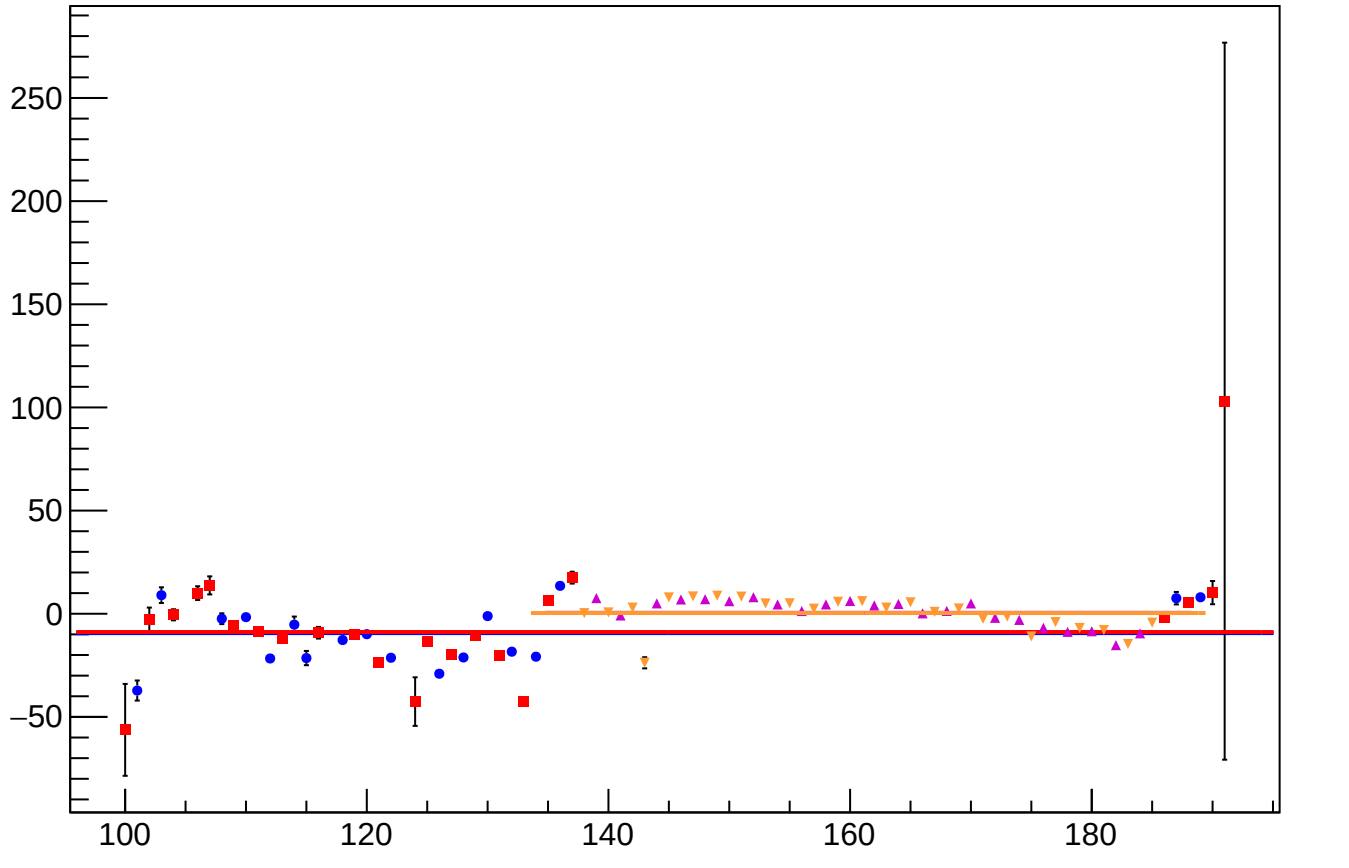
Right Out: -63.285+/-0.327 χ^2/NDF: 4972.3/22

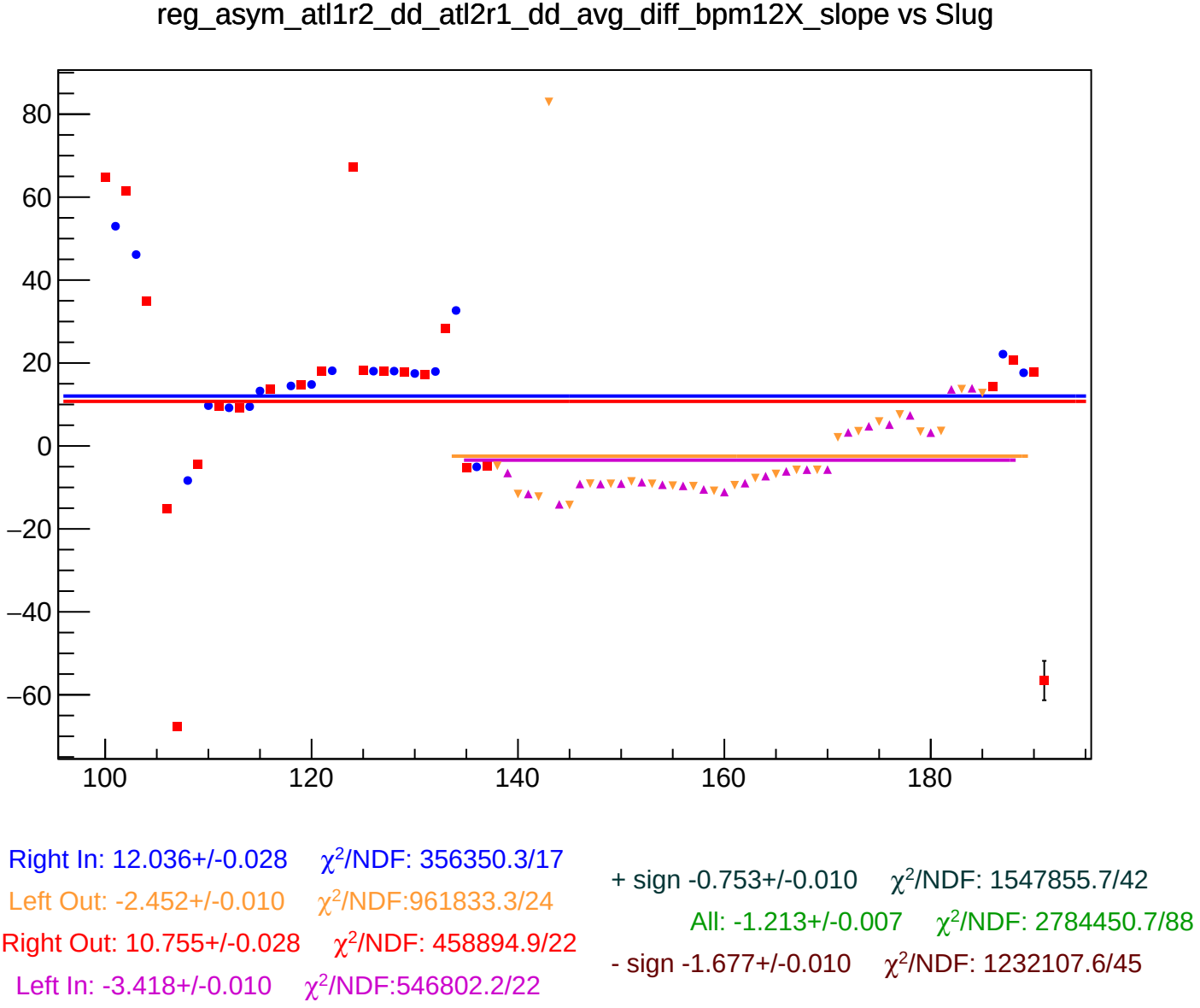
Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

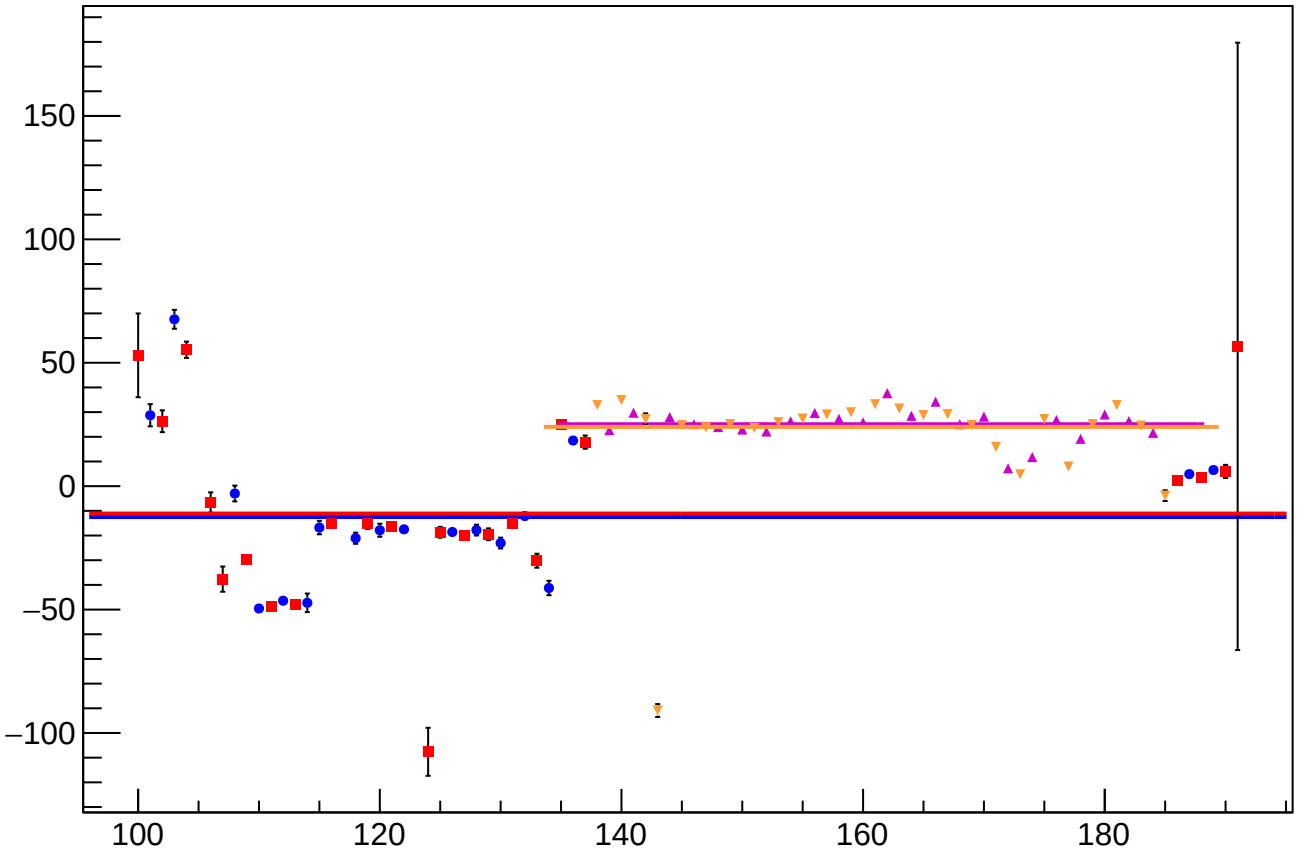
\+ sign -27.215+/-0.223 χ^2/NDF: 16886.1/42

All: -30.306+/-0.152 χ^2/NDF: 38065.7/88

\- sign -32.988+/-0.208 χ^2/NDF: 20820.0/45


reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs Slug
250
200
150
100
50
0
−50
100
120
140
160
180
Right In: -9.376+/-0.487 χ²/NDF: 760.4/17
Left Out: 0.345+/-0.231 χ²/NDF:921.9/24
Right Out: -8.856+/-0.463 χ²/NDF: 811.0/22
Left In: 0.433+/-0.237 χ²/NDF:782.1/22
+ sign -1.442+/-0.209 χ²/NDF: 2007.0/42
All: -1.465+/-0.148 χ²/NDF: 3918.8/88
- sign -1.489+/-0.211 χ²/NDF: 1911.8/45


reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs Slug
80
60
40
20
0
−20
−40
−60
100
120
140
160
180
Right In: 12.036+/-0.028 χ²/NDF: 356350.3/17
Left Out: -2.452+/-0.010 χ²/NDF:961833.3/24
Right Out: 10.755+/-0.028 χ²/NDF: 458894.9/22
Left In: -3.418+/-0.010 χ²/NDF:546802.2/22
+ sign -0.753+/-0.010 χ²/NDF: 1547855.7/42
All: -1.213+/-0.007 χ²/NDF: 2784450.7/88
- sign -1.677+/-0.010 χ²/NDF: 1232107.6/45



Right In: -12.496+/-0.500 χ^2/NDF: 2338.6/17

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

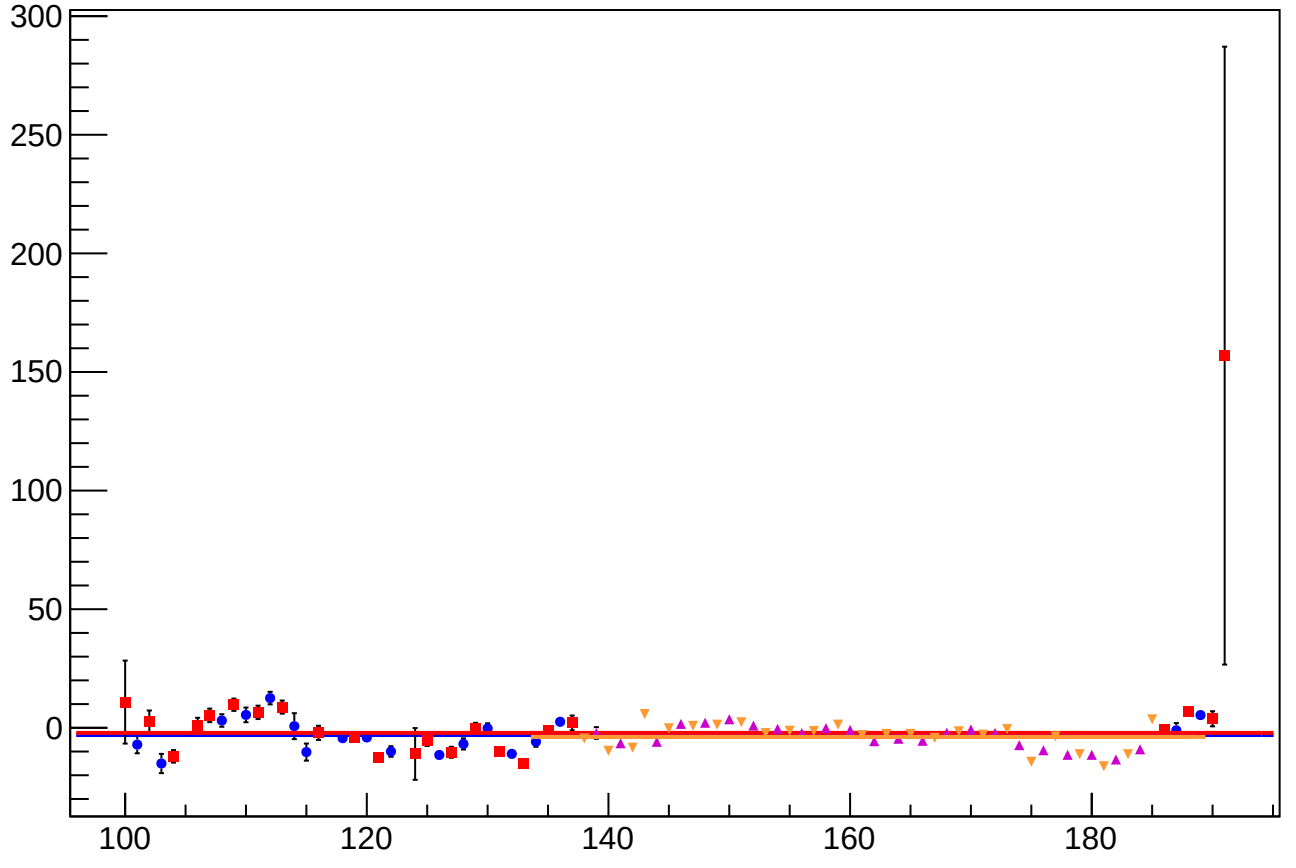
Right Out: -11.105+/-0.437 χ^2/NDF: 2635.3/22

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

+ sign 15.214+/-0.246 χ^2/NDF: 9186.7/42

All: 14.681+/-0.172 χ^2/NDF: 17116.4/88

- sign 14.173+/-0.240 χ^2/NDF: 7920.5/45



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: -2.142+/-0.493 χ^2/NDF: 212.5/22

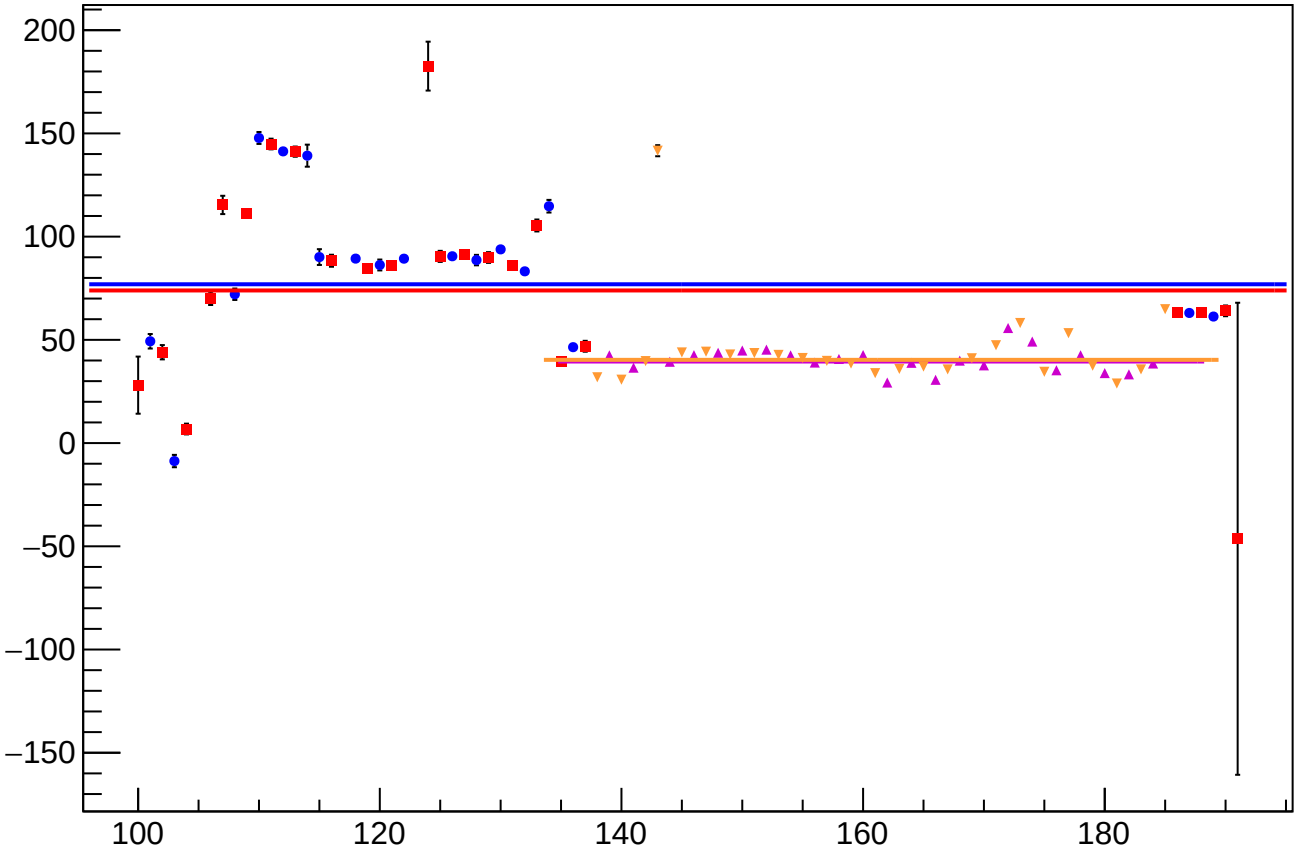
Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

+ sign -3.728+/-0.201 χ^2/NDF: 792.9/42

All: -3.616+/-0.143 χ^2/NDF: 1525.0/88

- sign -3.501+/-0.204 χ^2/NDF: 731.5/45

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

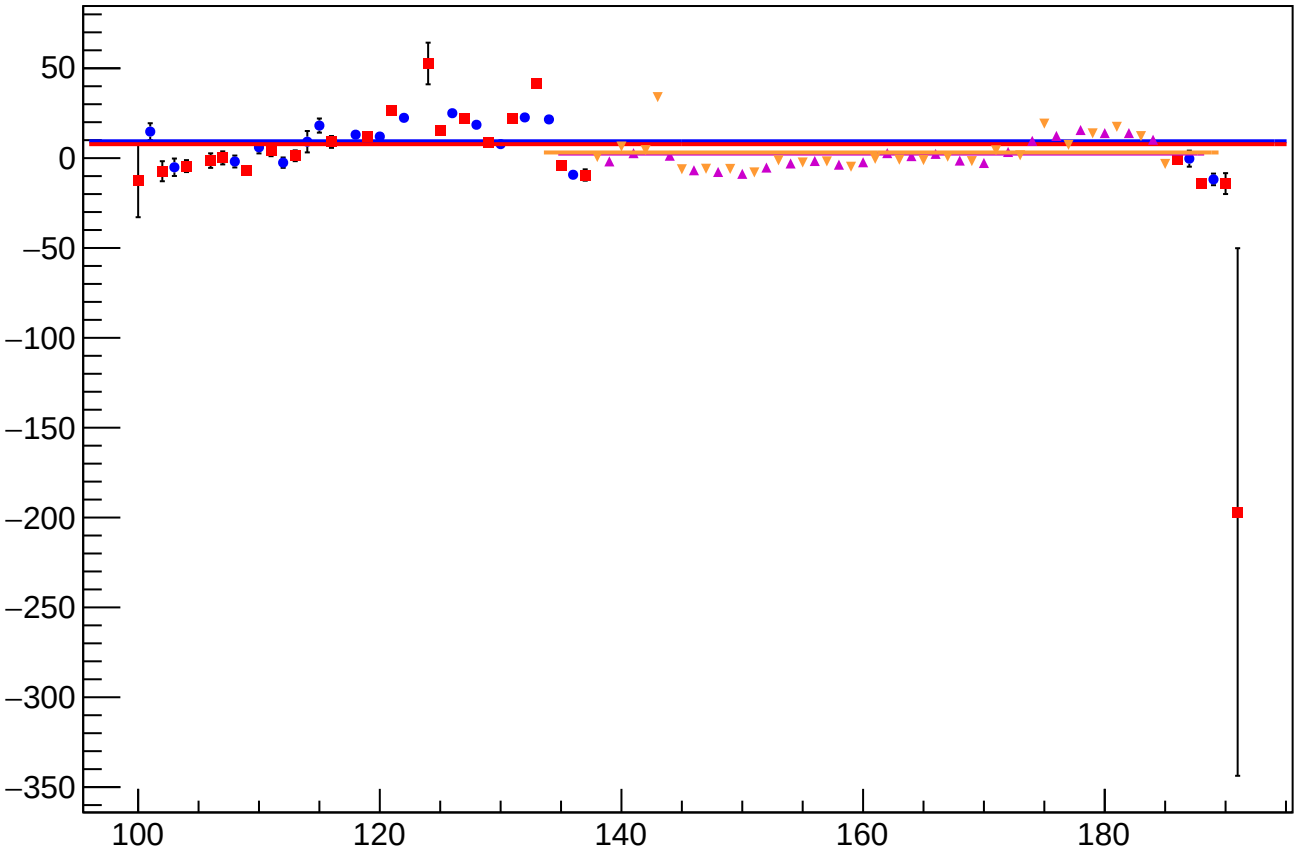
Right Out: 73.925+/-0.441 χ^2/NDF: 3762.5/22

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

\+ sign 48.210+/-0.248 χ^2/NDF: 9316.8/42

All: 48.945+/-0.172 χ^2/NDF: 17827.5/88

\- sign 49.629+/-0.239 χ^2/NDF: 8493.7/45



Right In: 9.376+/-0.609 χ^2/NDF: 410.2/17

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

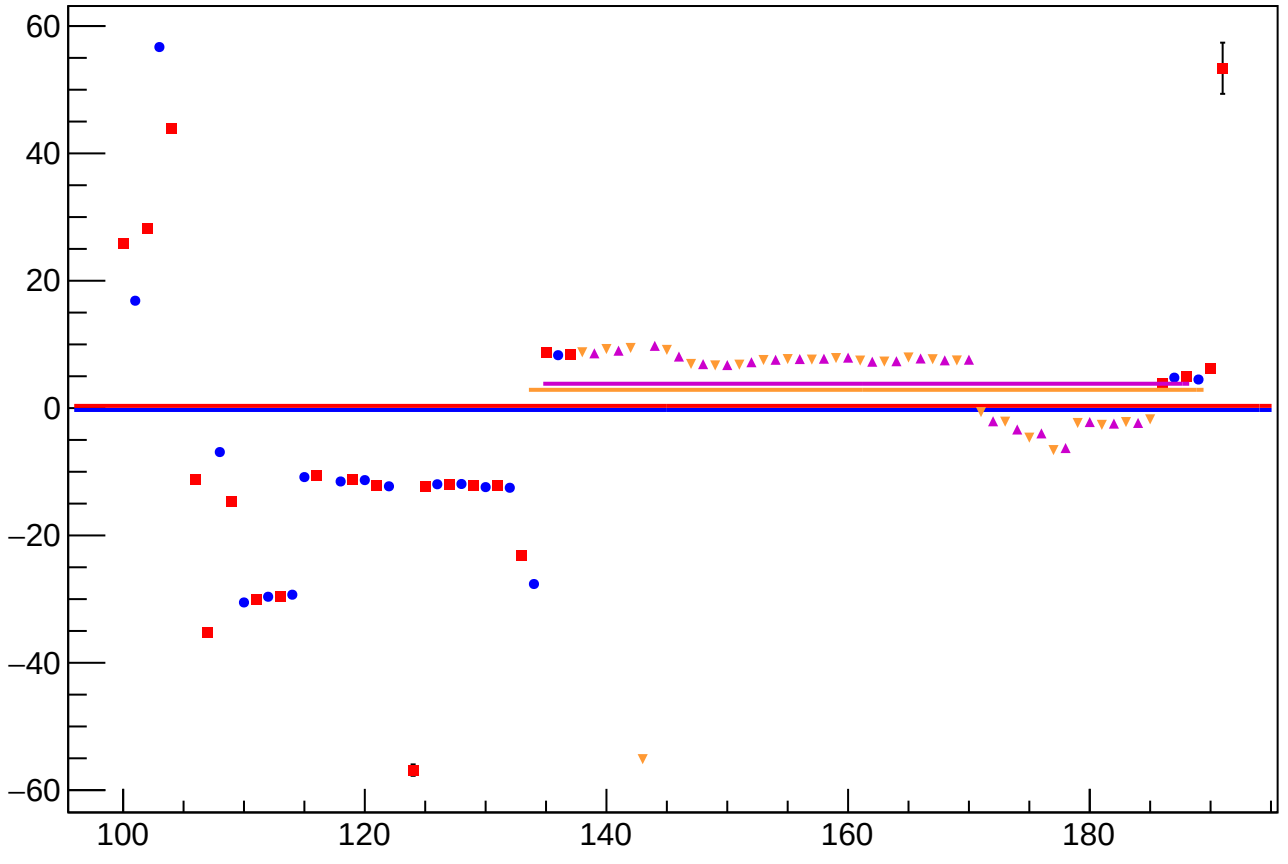
Right Out: 7.768+/-0.591 χ^2/NDF: 615.8/22

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

+ sign 4.012+/-0.228 χ^2/NDF: 1767.3/42

All: 3.672+/-0.162 χ^2/NDF: 3422.8/88

- sign 3.322+/-0.231 χ^2/NDF: 1650.9/45



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: 0.348+/-0.034 χ^2/NDF: 320553.3/22

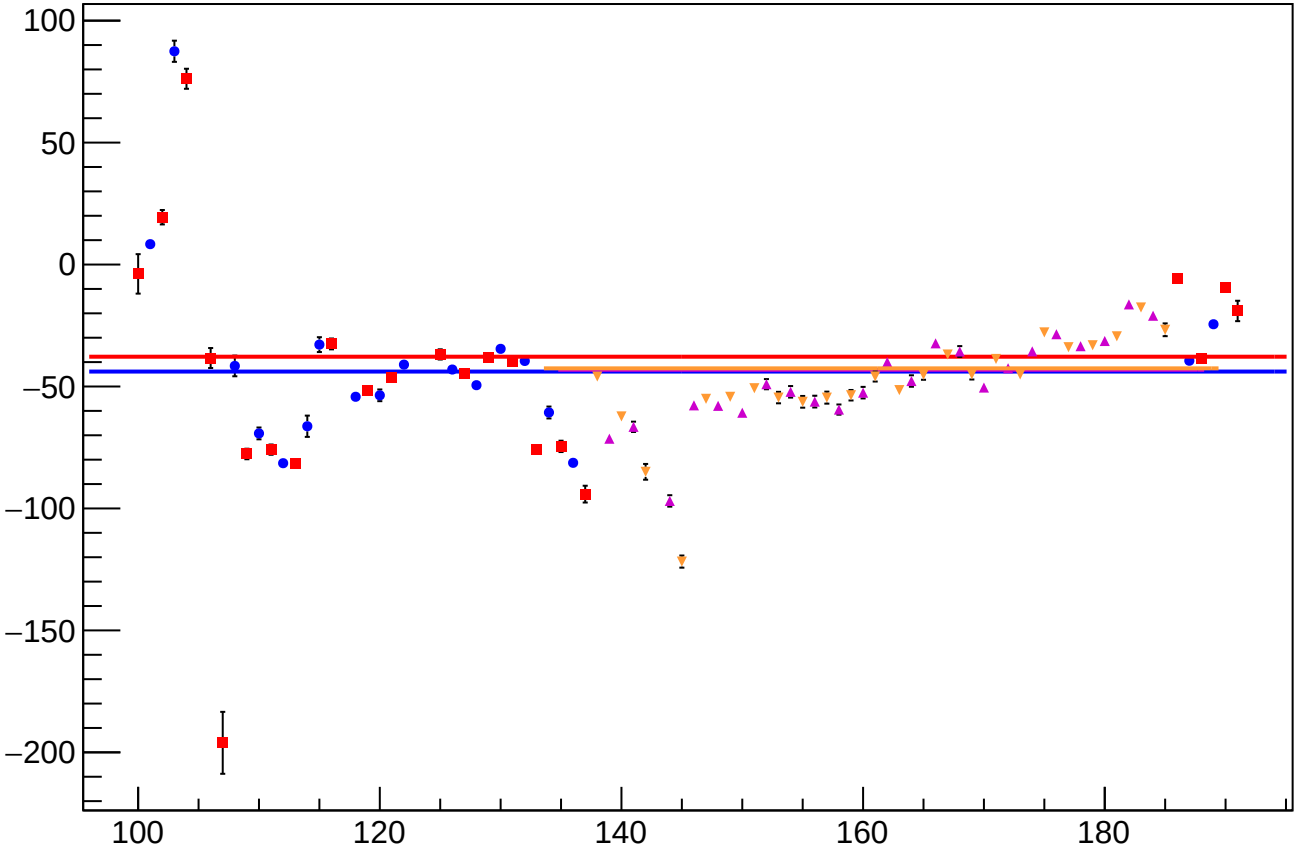
Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

+ sign 2.576+/-0.010 χ^2/NDF: 889892.1/42

All: 3.028+/-0.007 χ^2/NDF: 1456941.3/88

- sign 3.488+/-0.011 χ^2/NDF: 563278.0/45

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

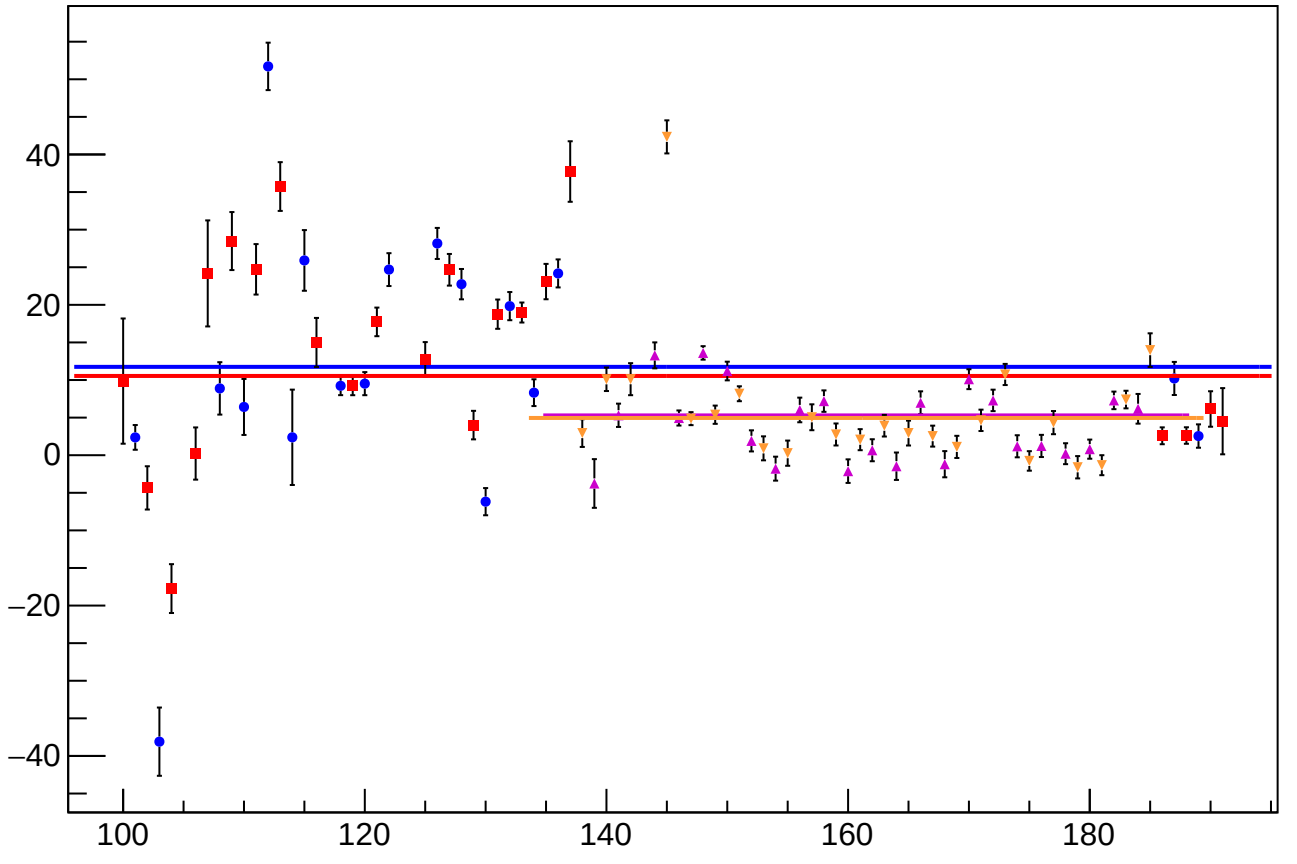
Right Out: -37.784+/-0.392 χ^2/NDF: 4975.7/21

Left In: -43.152+/-0.382 χ^2/NDF:2206.6/22

+ sign -43.079+/-0.294 χ^2/NDF: 5345.8/41

All: -41.716+/-0.200 χ^2/NDF: 12664.3/86

- sign -40.541+/-0.273 χ^2/NDF: 7278.5/44



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: 10.541+/-0.437 χ^2/NDF: 530.1/21

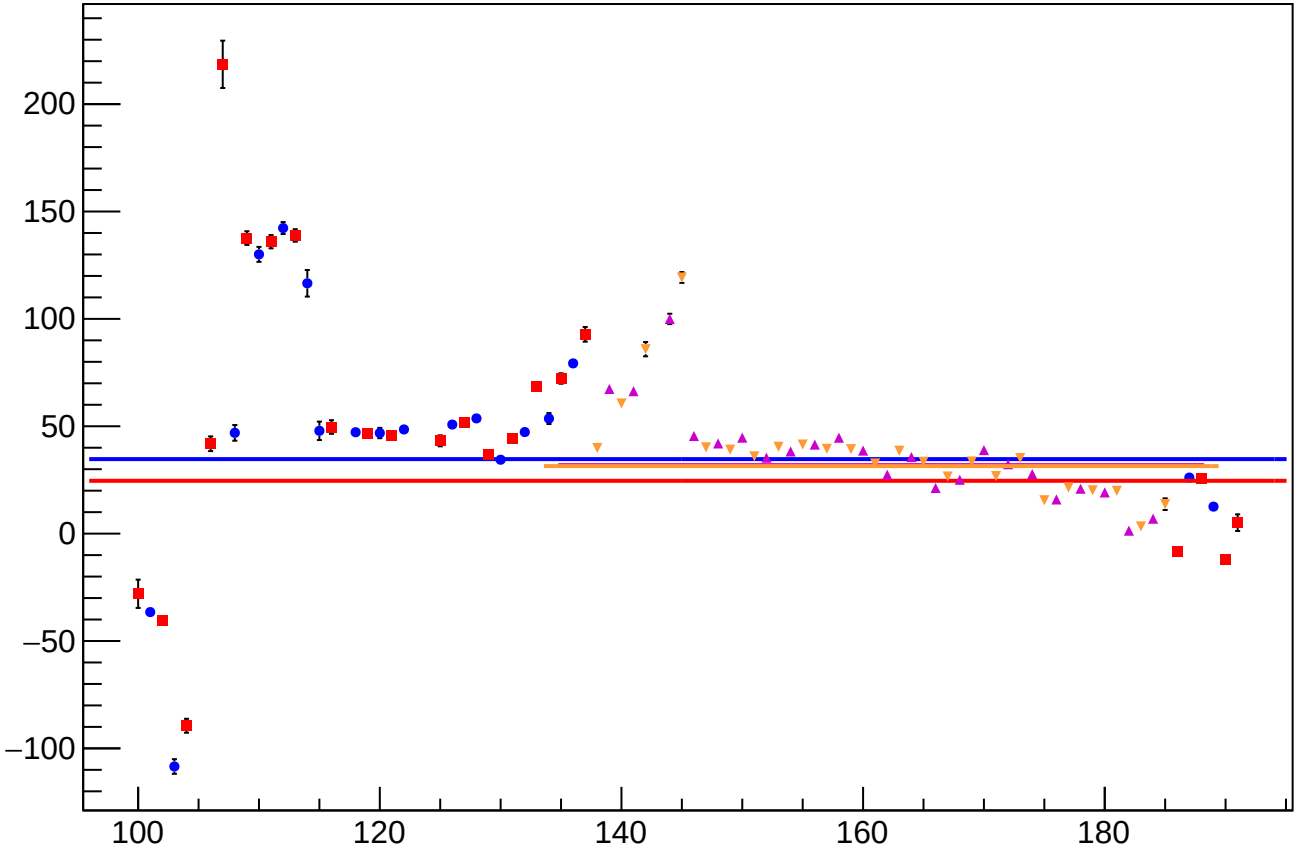
Left In: 5.292+/-0.294 χ^2/NDF:286.4/22

+ sign 6.757+/-0.247 χ^2/NDF: 1261.8/41

All: 6.844+/-0.174 χ^2/NDF: 2177.8/86

- sign 6.929+/-0.244 χ^2/NDF: 915.7/44

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: 24.601+/-0.369 χ^2/NDF: 10914.3/21

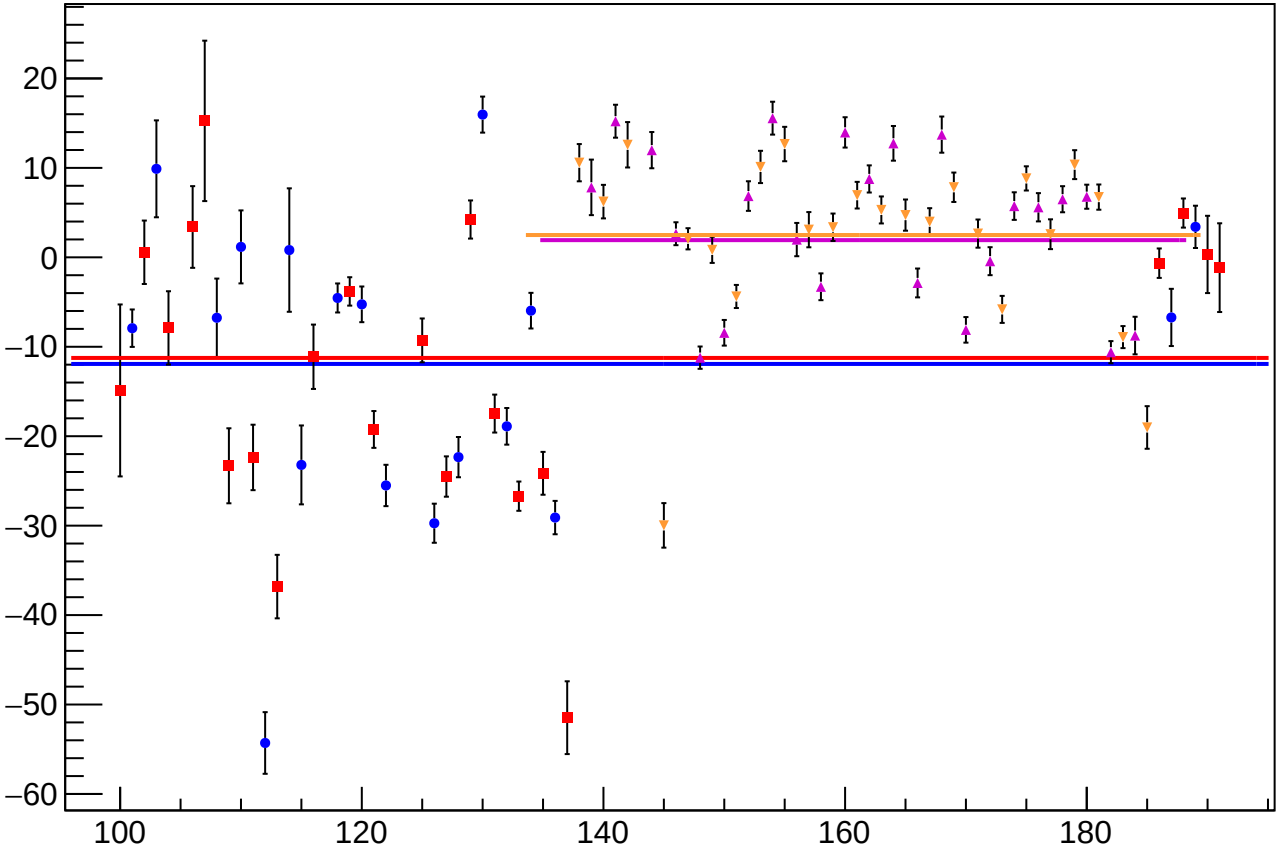
Left In: 31.895+/-0.378 χ^2/NDF:2767.3/22

+ sign 32.696+/-0.294 χ^2/NDF: 10541.8/41

All: 30.179+/-0.196 χ^2/NDF: 24546.1/86

- sign 28.155+/-0.264 χ^2/NDF: 13872.4/44

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: -11.249+/-0.544 χ^2/NDF: 601.4/21

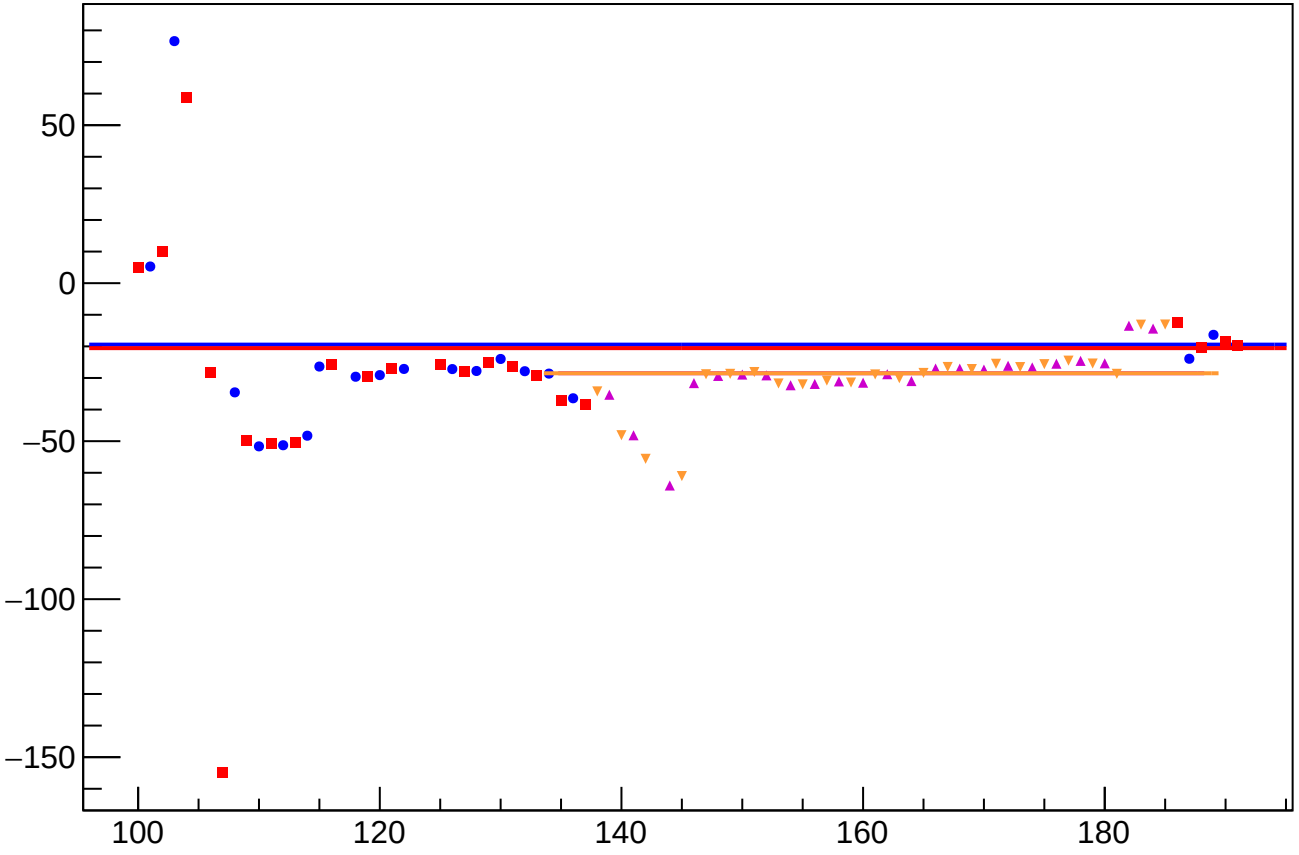
Left In: 1.921+/-0.332 χ^2/NDF:678.8/22

\+ sign -1.053+/-0.284 χ^2/NDF: 1726.0/41

All: -1.356+/-0.200 χ^2/NDF: 3436.2/86

\- sign -1.657+/-0.283 χ^2/NDF: 1707.9/44

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs Slug



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: -20.560+/-0.032 χ^2/NDF: 552632.9/21

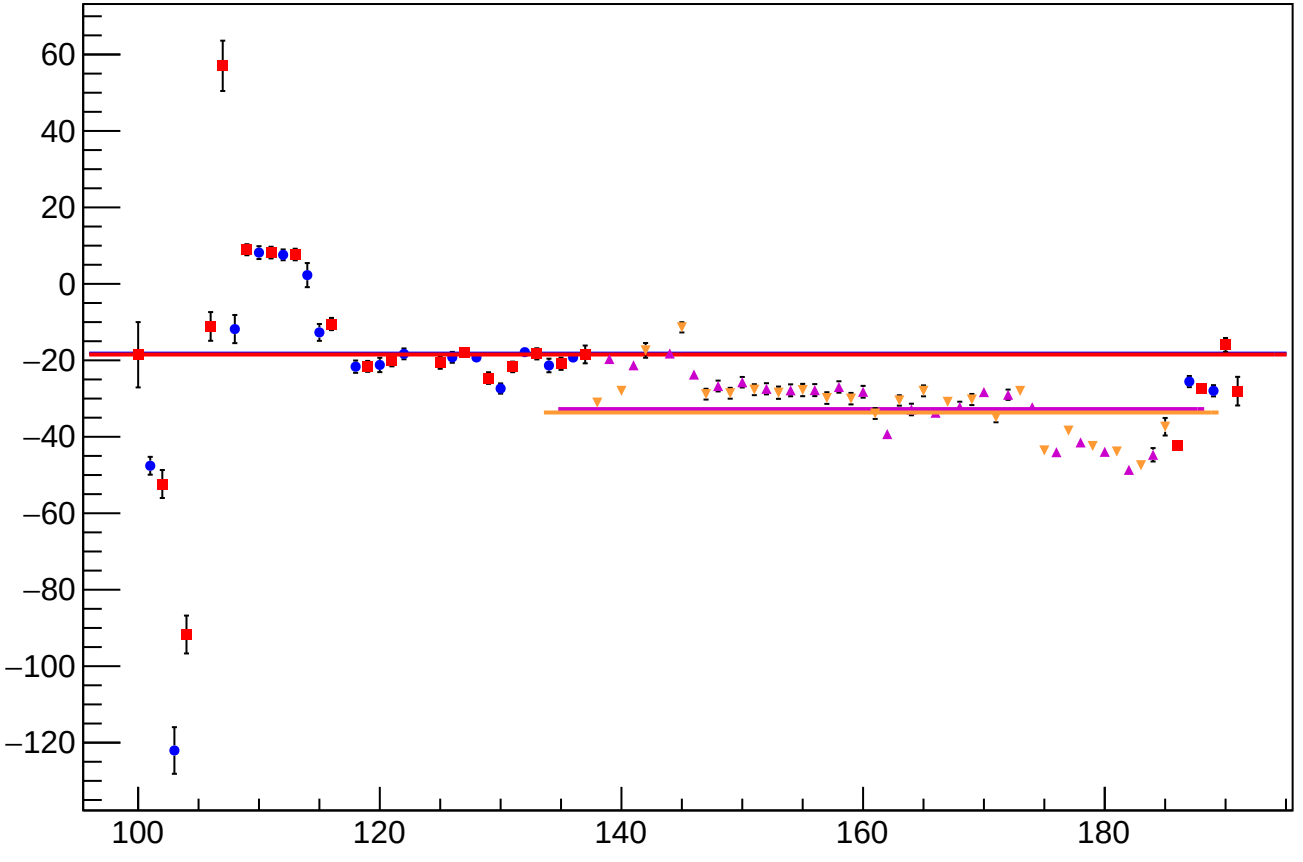
Left In: -28.495+/-0.015 χ^2/NDF:287757.4/22

+ sign -27.034+/-0.014 χ^2/NDF: 1043797.5/41

All: -27.056+/-0.010 χ^2/NDF: 1935456.4/86

- sign -27.079+/-0.013 χ^2/NDF: 891653.4/44

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: -18.479+/-0.345 χ^2/NDF: 1939.3/21

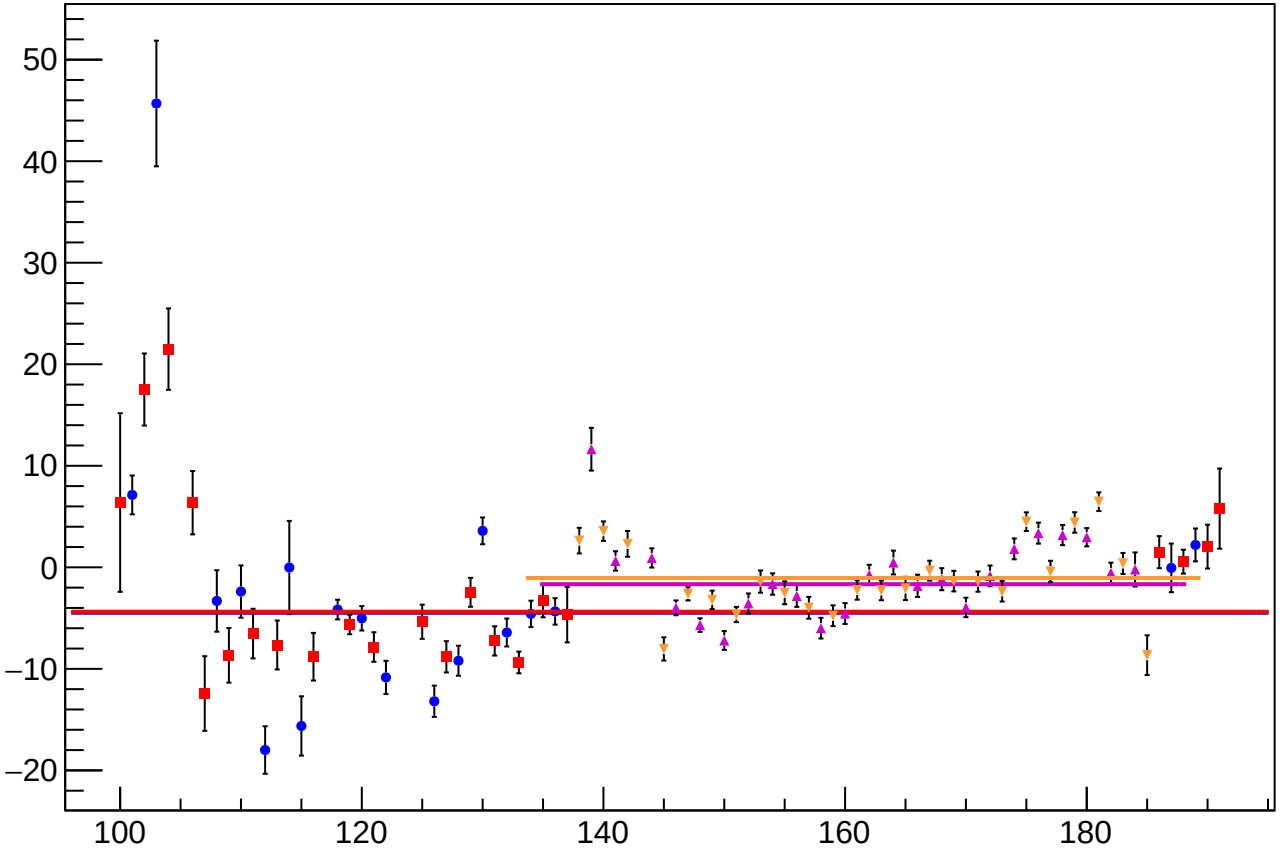
Left In: -32.750+/-0.269 χ^2/NDF:1143.5/22

+ sign -28.533+/-0.217 χ^2/NDF: 3342.6/41

All: -27.932+/-0.151 χ^2/NDF: 7507.6/86

- sign -27.357+/-0.212 χ^2/NDF: 4149.9/44

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: -4.376+/-0.375 χ^2/NDF: 197.5/21

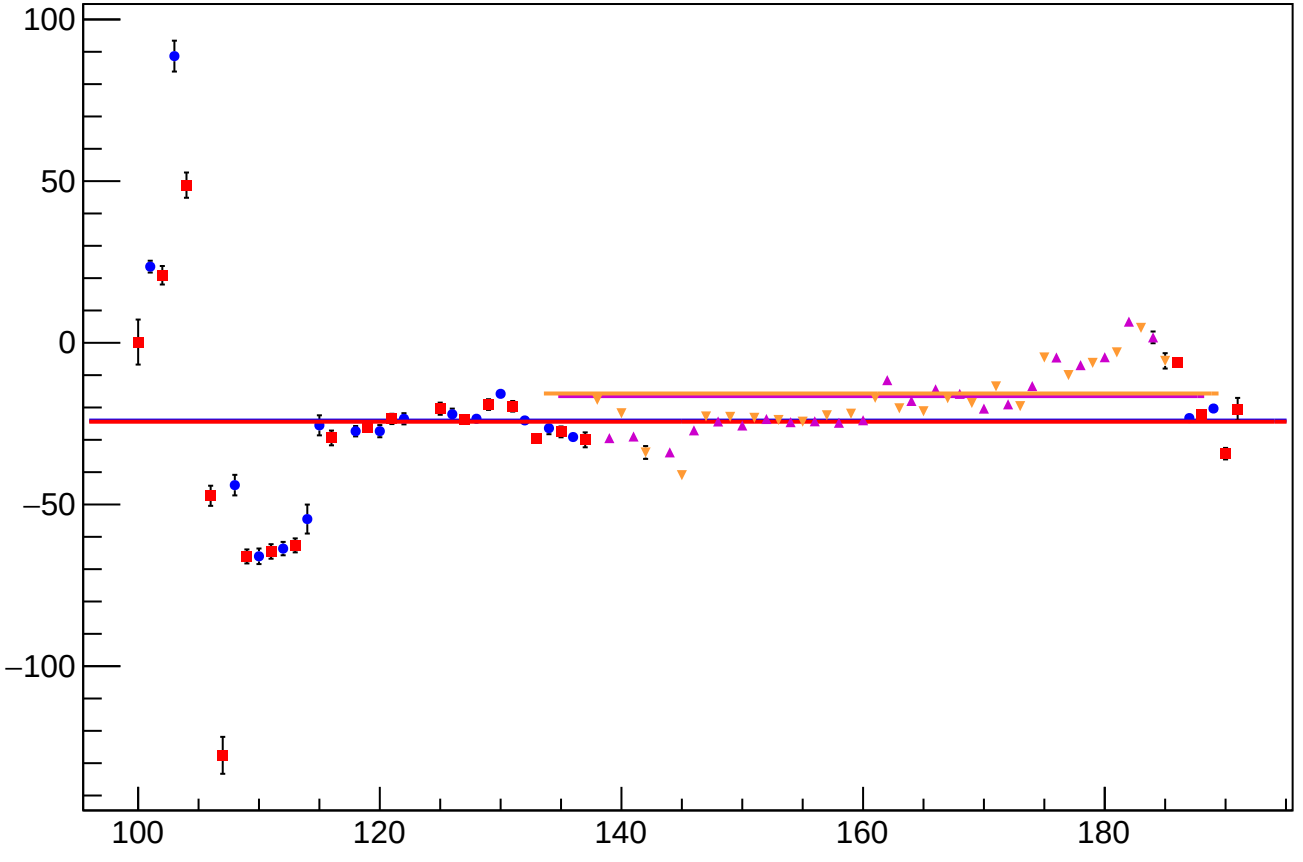
Left In: -1.659+/-0.207 χ^2/NDF:264.4/22

+ sign -1.795+/-0.179 χ^2/NDF: 621.3/41

All: -2.041+/-0.127 χ^2/NDF: 1127.2/86

- sign -2.291+/-0.181 χ^2/NDF: 502.1/44

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: -24.397+/-0.353 χ^2/NDF: 2424.2/21

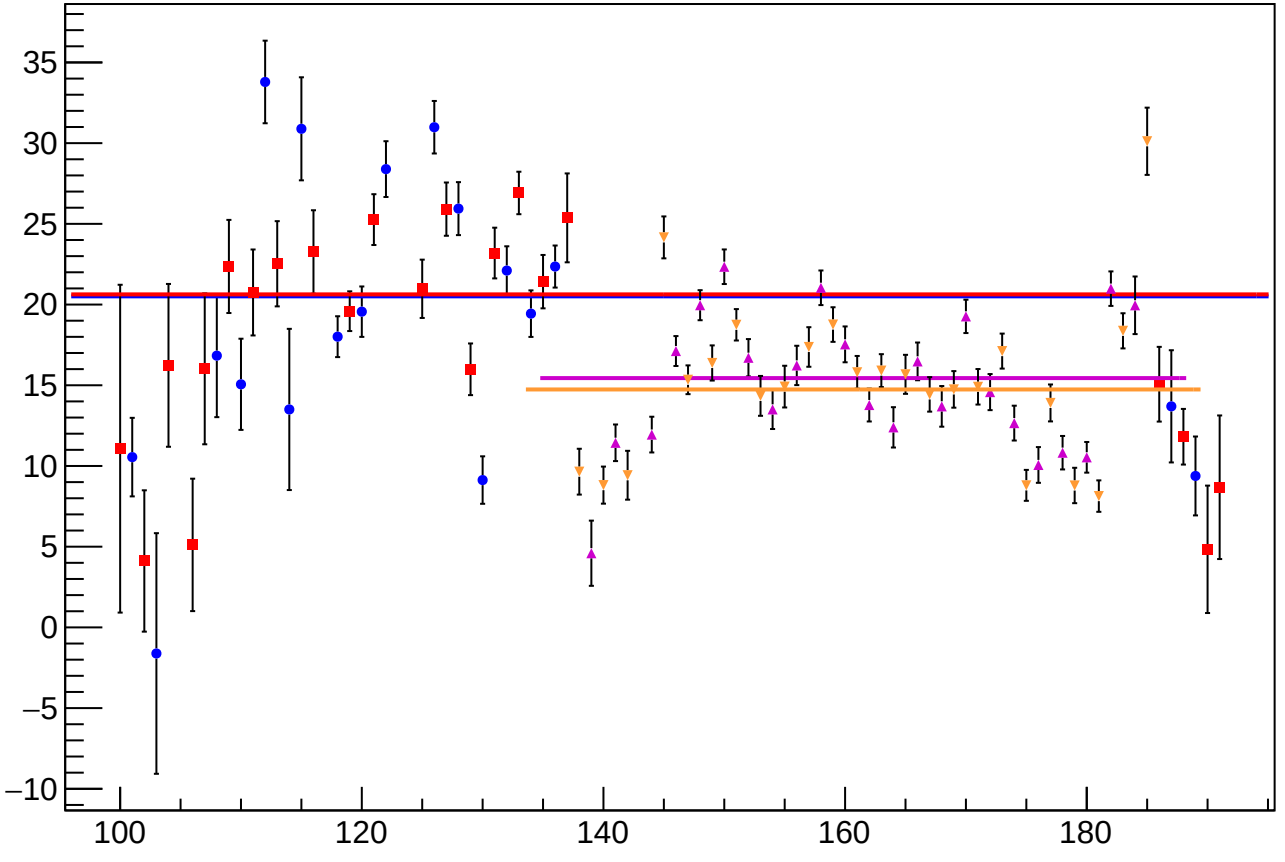
Left In: -16.480+/-0.266 χ^2/NDF:1697.7/22

\+ sign -18.174+/-0.220 χ^2/NDF: 3886.0/41

All: -18.781+/-0.153 χ^2/NDF: 8343.3/86

\- sign -19.345+/-0.212 χ^2/NDF: 4442.7/44

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: 20.631+/-0.447 χ^2/NDF: 145.0/21

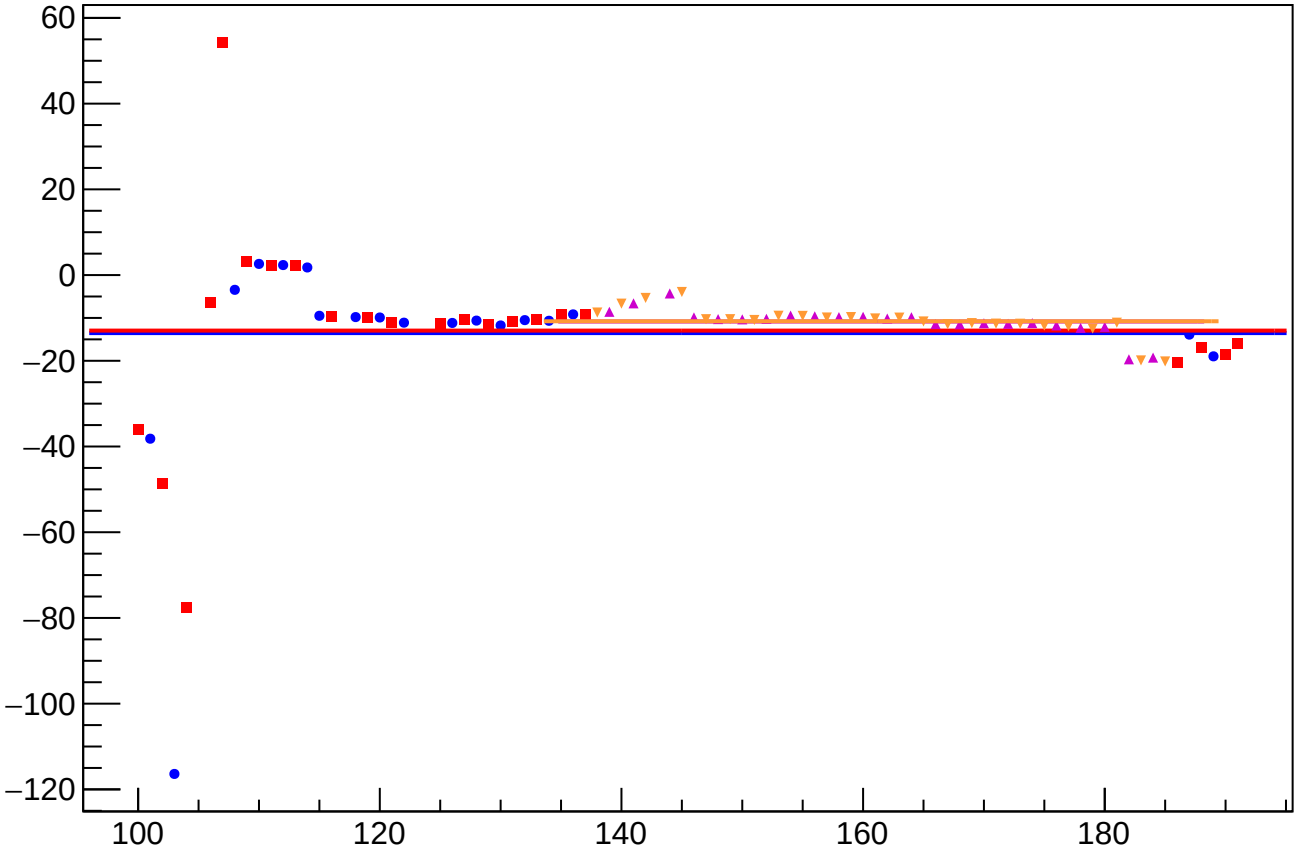
Left In: 15.444+/-0.233 χ^2/NDF:290.4/22

+ sign 15.945+/-0.204 χ^2/NDF: 698.4/41

All: 16.245+/-0.145 χ^2/NDF: 1244.1/86

- sign 16.553+/-0.207 χ^2/NDF: 541.2/44

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: -12.955+/-0.027 χ^2/NDF: 322968.8/21

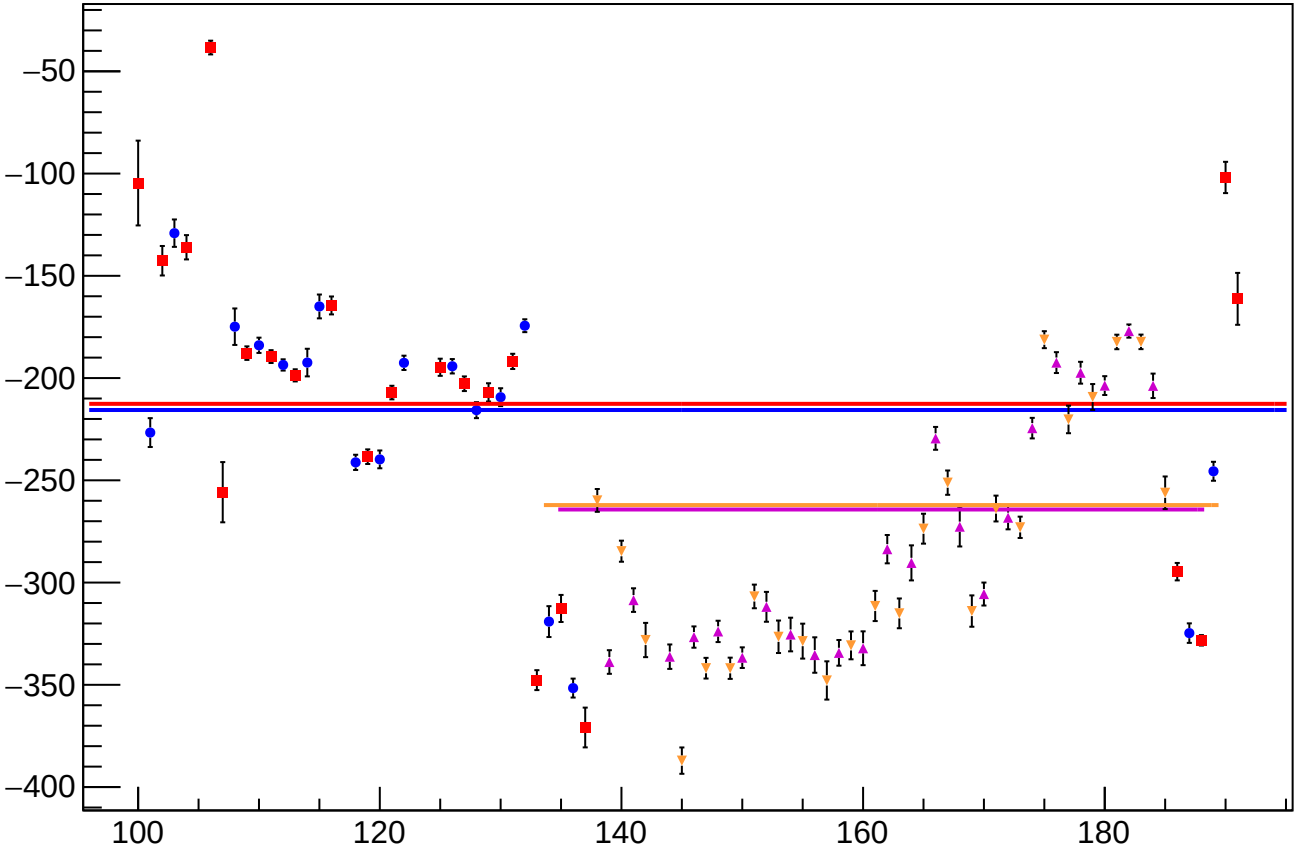
Left In: -10.834+/-0.010 χ^2/NDF:74113.9/22

+ sign -11.127+/-0.010 χ^2/NDF: 442058.2/41

All: -11.115+/-0.007 χ^2/NDF: 844507.5/86

- sign -11.103+/-0.010 χ^2/NDF: 402446.1/44

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: -212.603+/-0.900 χ^2/NDF: 7253.6/21

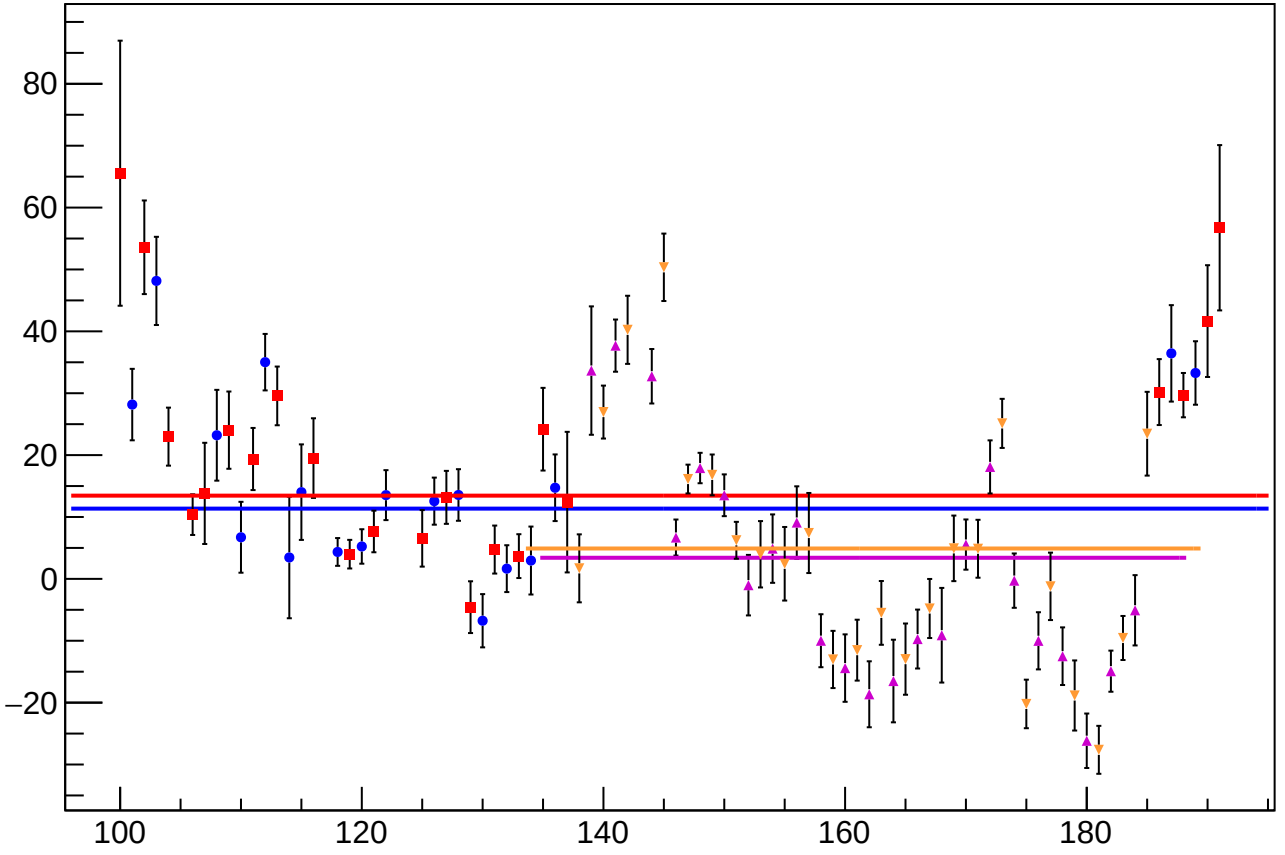
Left In: -264.272+/-1.186 χ^2/NDF:2741.9/22

+ sign -235.413+/-0.770 χ^2/NDF: 6215.6/41

All: -233.317+/-0.525 χ^2/NDF: 17429.6/86

- sign -231.498+/-0.717 χ^2/NDF: 11200.2/44

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: 13.449+/-0.976 χ^2/NDF: 162.3/21

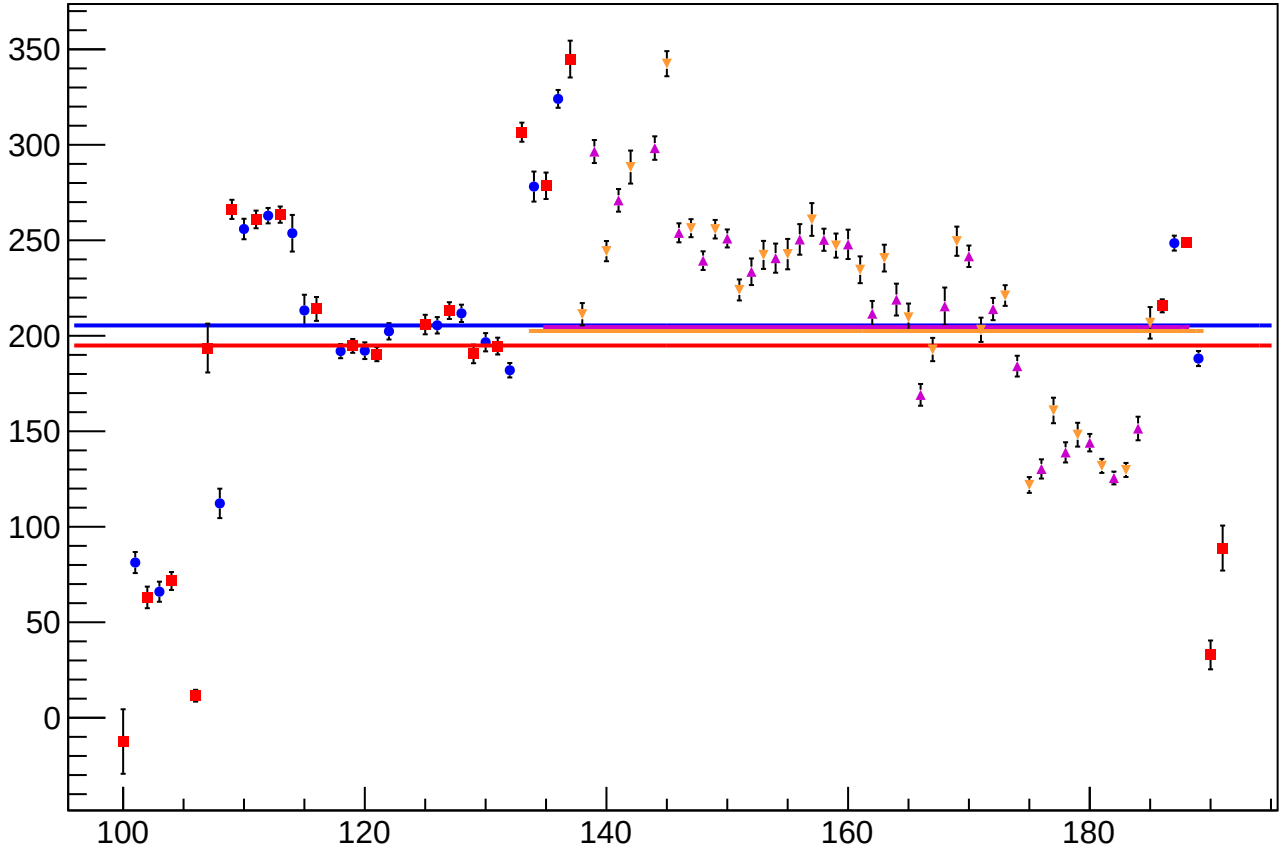
Left In: 3.409+/-0.901 χ^2/NDF:333.3/22

+ sign 7.638+/-0.673 χ^2/NDF: 558.3/41

All: 7.835+/-0.472 χ^2/NDF: 1111.2/86

- sign 8.026+/-0.662 χ^2/NDF: 552.7/44

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: 194.907+/-0.949 χ^2/NDF: 7760.9/21

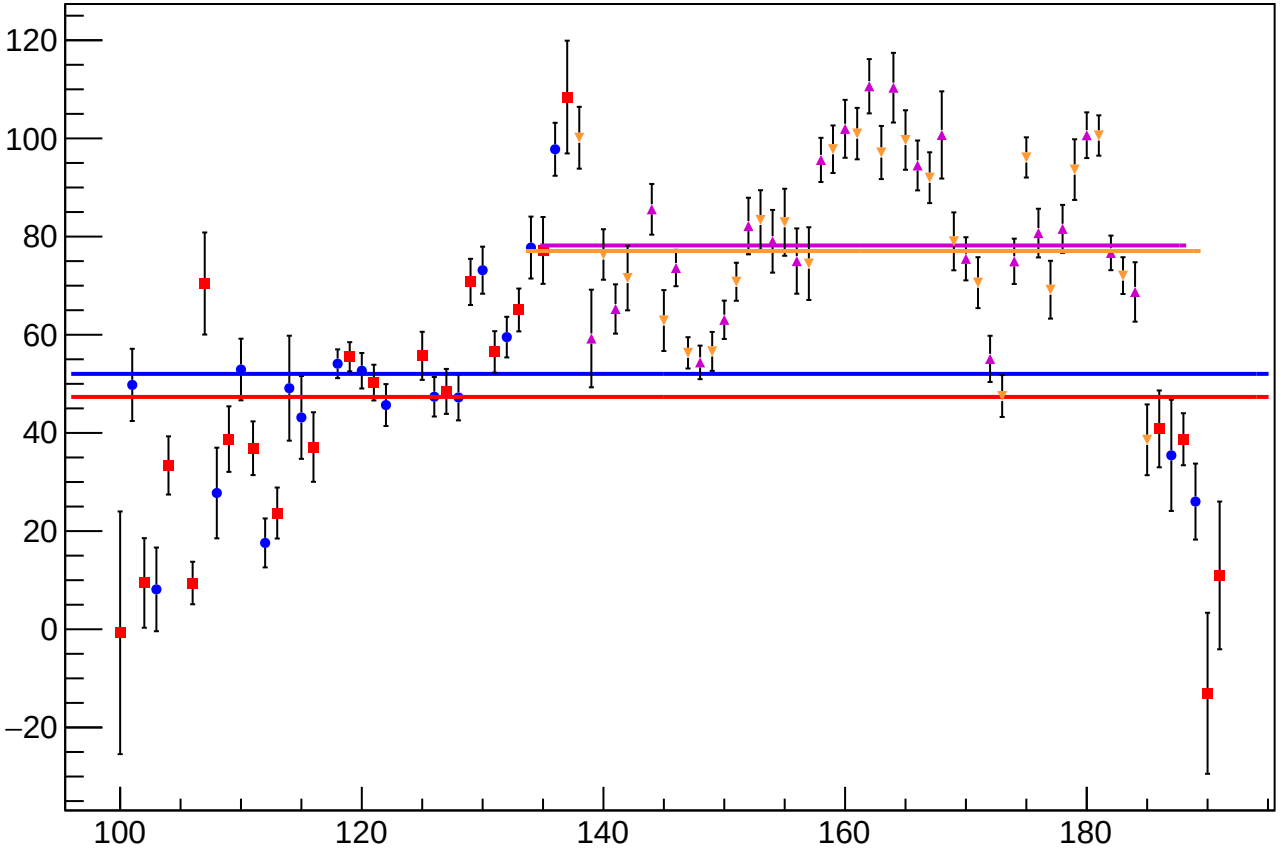
Left In: 204.560+/-1.177 χ^2/NDF:2285.7/22

+ sign 204.028+/-0.811 χ^2/NDF: 5005.1/41

All: 201.121+/-0.546 χ^2/NDF: 15115.9/86

- sign 198.708+/-0.739 χ^2/NDF: 10087.3/44

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: 47.333+/-1.164 χ^2/NDF: 263.7/21

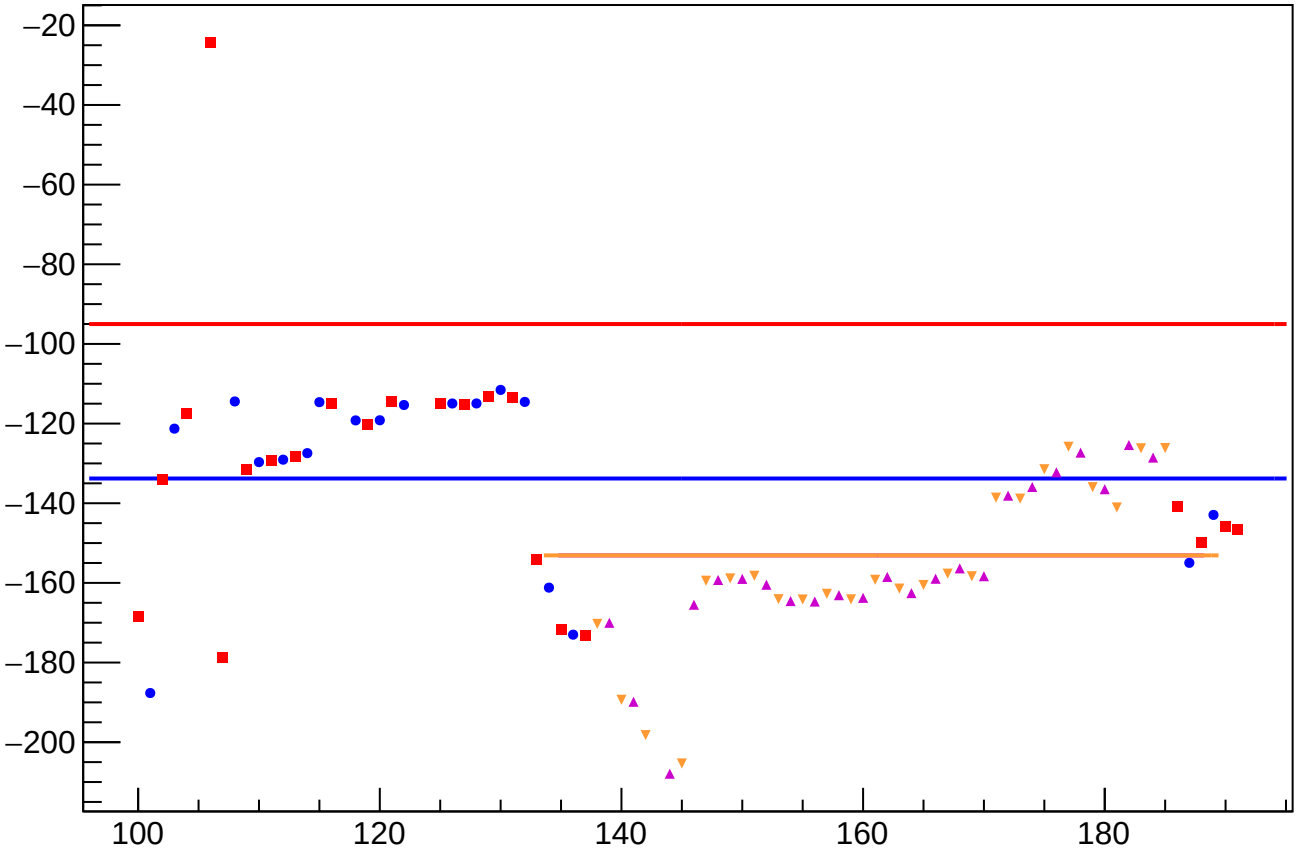
Left In: 78.189+/-1.026 χ^2/NDF:232.5/22

+ sign 66.808+/-0.780 χ^2/NDF: 772.5/41

All: 65.740+/-0.548 χ^2/NDF: 1668.1/86

- sign 64.702+/-0.769 χ^2/NDF: 891.9/44

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: -95.010+/-0.061 χ^2/NDF: 813606.4/21

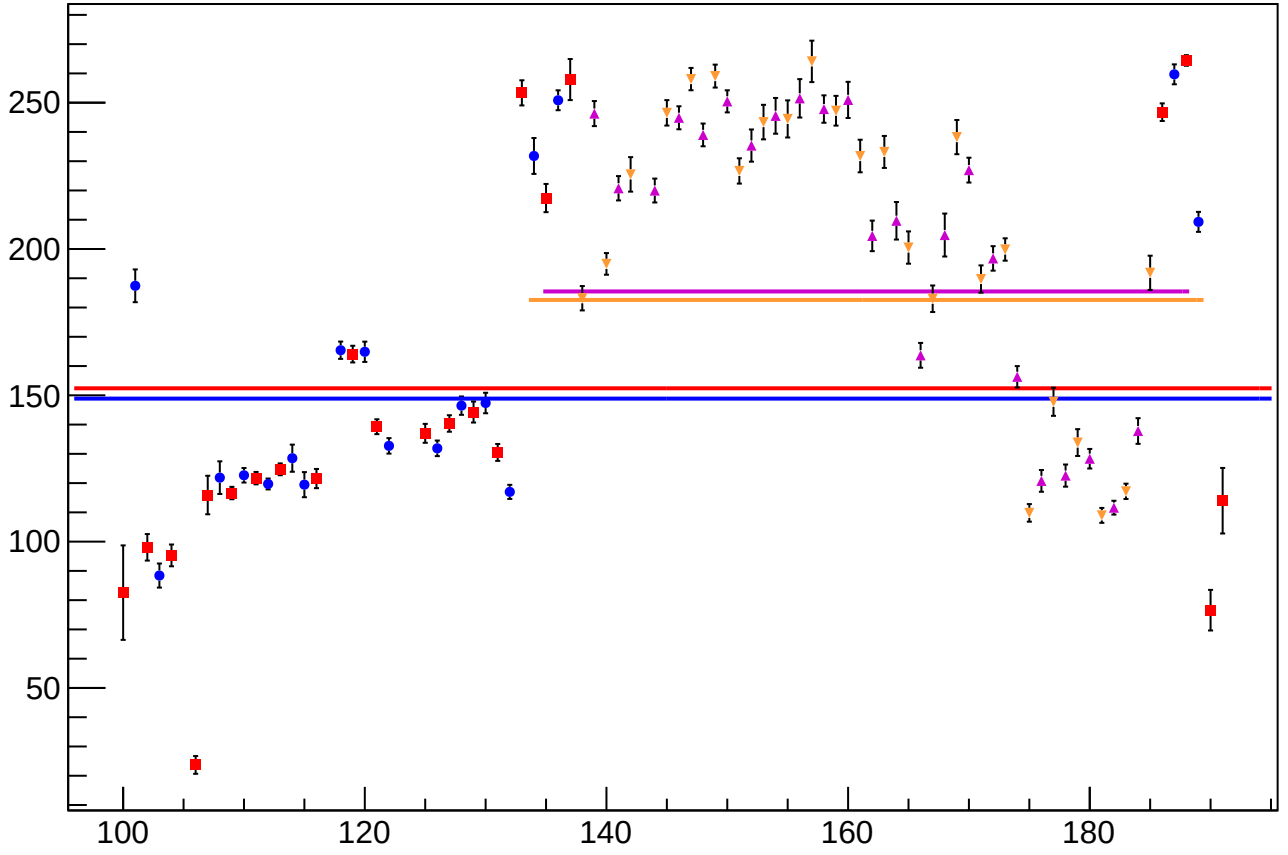
Left In: -153.103+/-0.047 χ^2/NDF:166644.2/22

+ sign -147.990+/-0.040 χ^2/NDF: 317840.8/41

All: -139.100+/-0.027 χ^2/NDF: 1962913.7/86

- sign -131.585+/-0.037 χ^2/NDF: 1555036.5/44

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: 152.396+/-0.659 χ^2/NDF: 9057.3/21

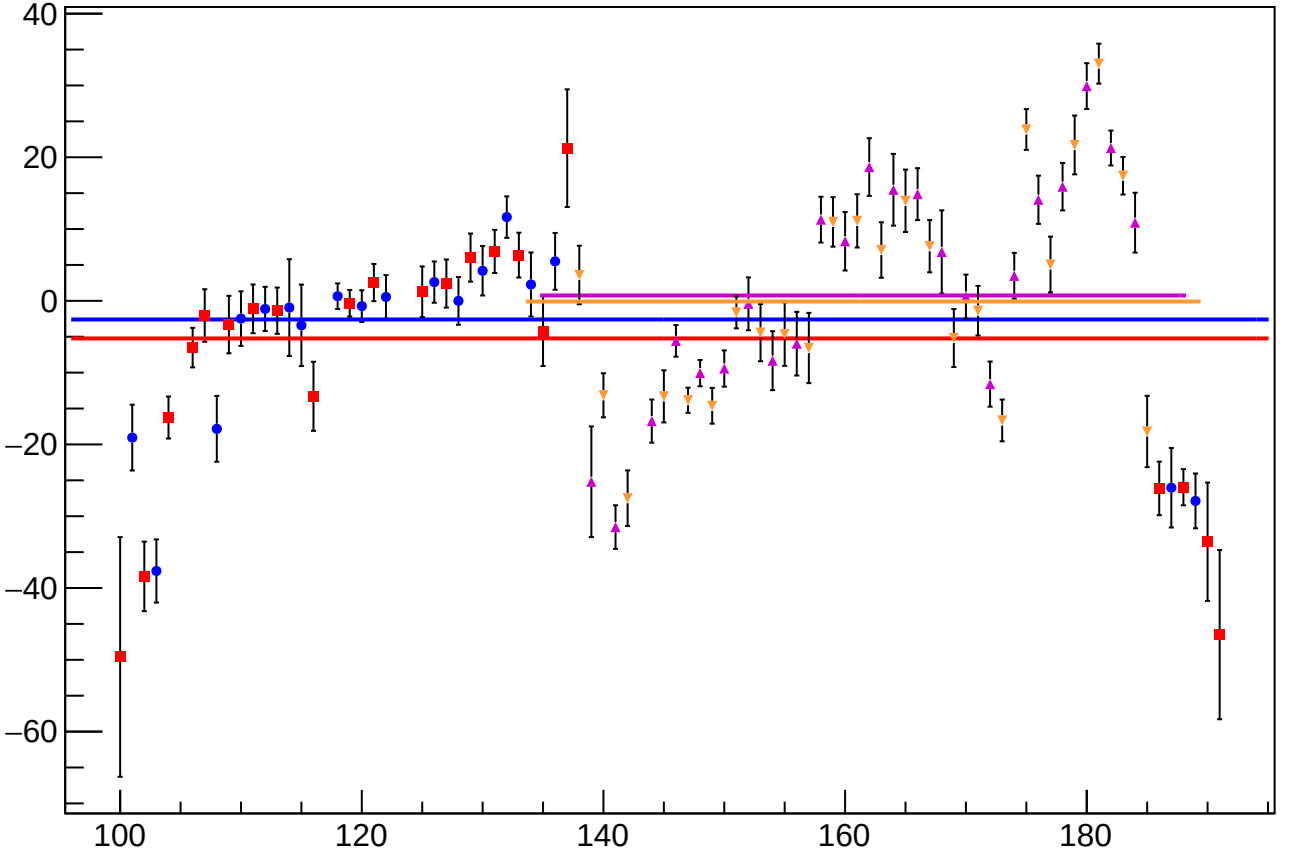
Left In: 185.497+/-0.872 χ^2/NDF:3822.2/22

+ sign 163.242+/-0.565 χ^2/NDF: 8492.2/41

All: 163.880+/-0.385 χ^2/NDF: 22290.2/86

- sign 164.432+/-0.526 χ^2/NDF: 13795.7/44

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: -5.235+/-0.729 χ^2/NDF: 274.8/21

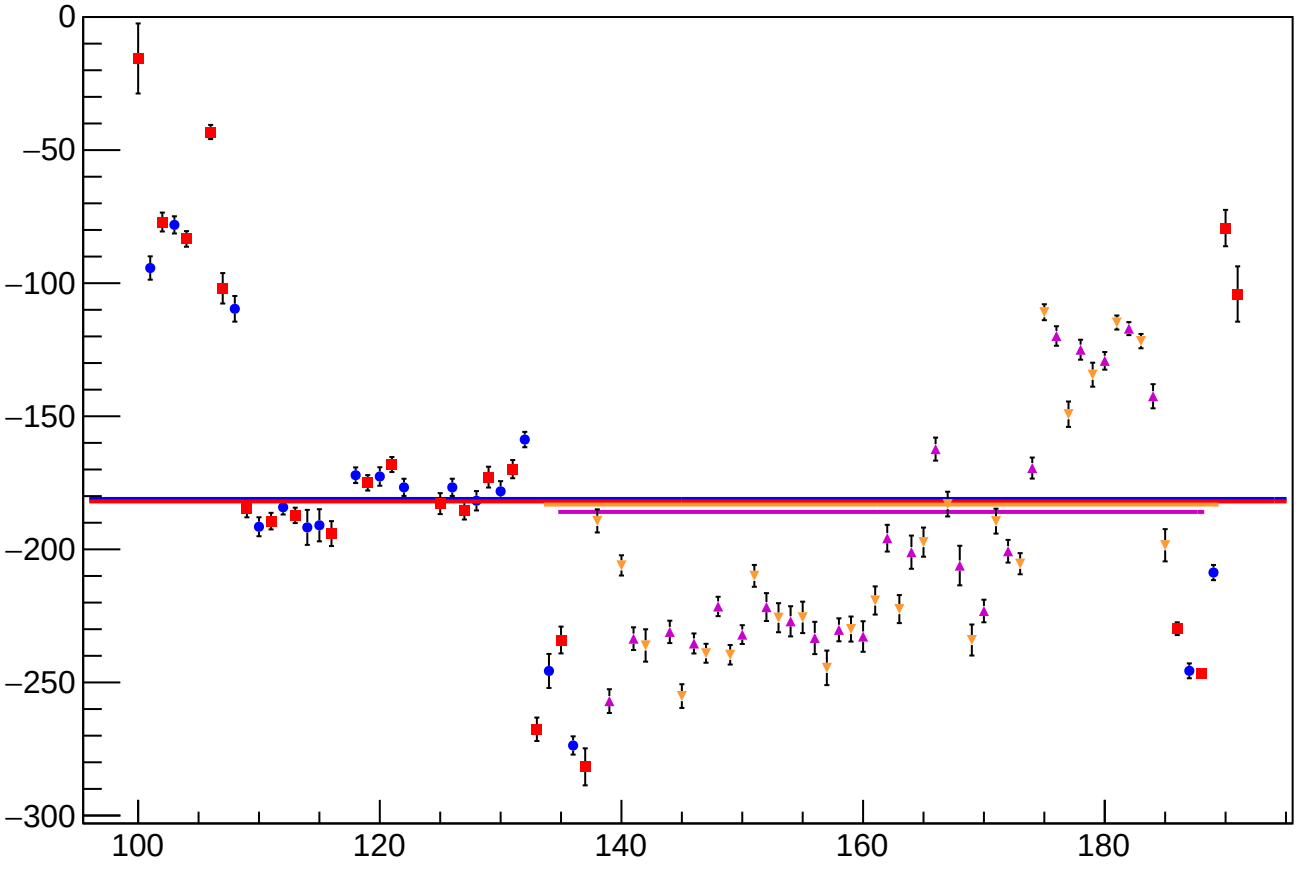
Left In: 0.747+/-0.665 χ^2/NDF:497.8/22

+ sign -1.123+/-0.502 χ^2/NDF: 753.3/41

All: -1.556+/-0.351 χ^2/NDF: 1564.0/86

- sign -1.970+/-0.492 χ^2/NDF: 809.3/44

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: -181.998+/-0.695 χ^2/NDF: 8470.0/21

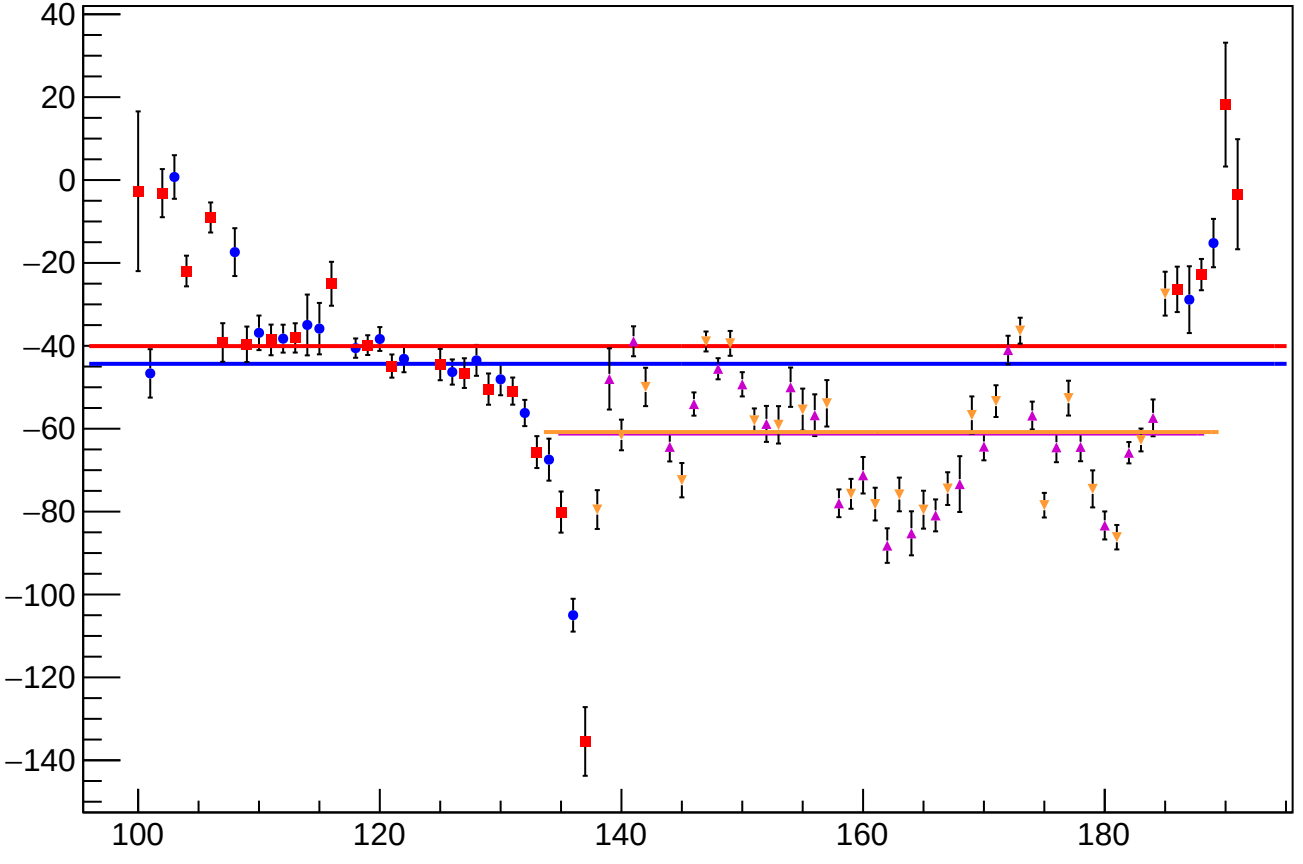
Left In: -185.936+/-0.867 χ^2/NDF:3181.6/22

+ sign -182.076+/-0.596 χ^2/NDF: 6544.3/41

All: -182.876+/-0.401 χ^2/NDF: 18211.7/86

- sign -183.538+/-0.542 χ^2/NDF: 11664.1/44

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: -40.067+/-0.869 χ^2/NDF: 468.0/21

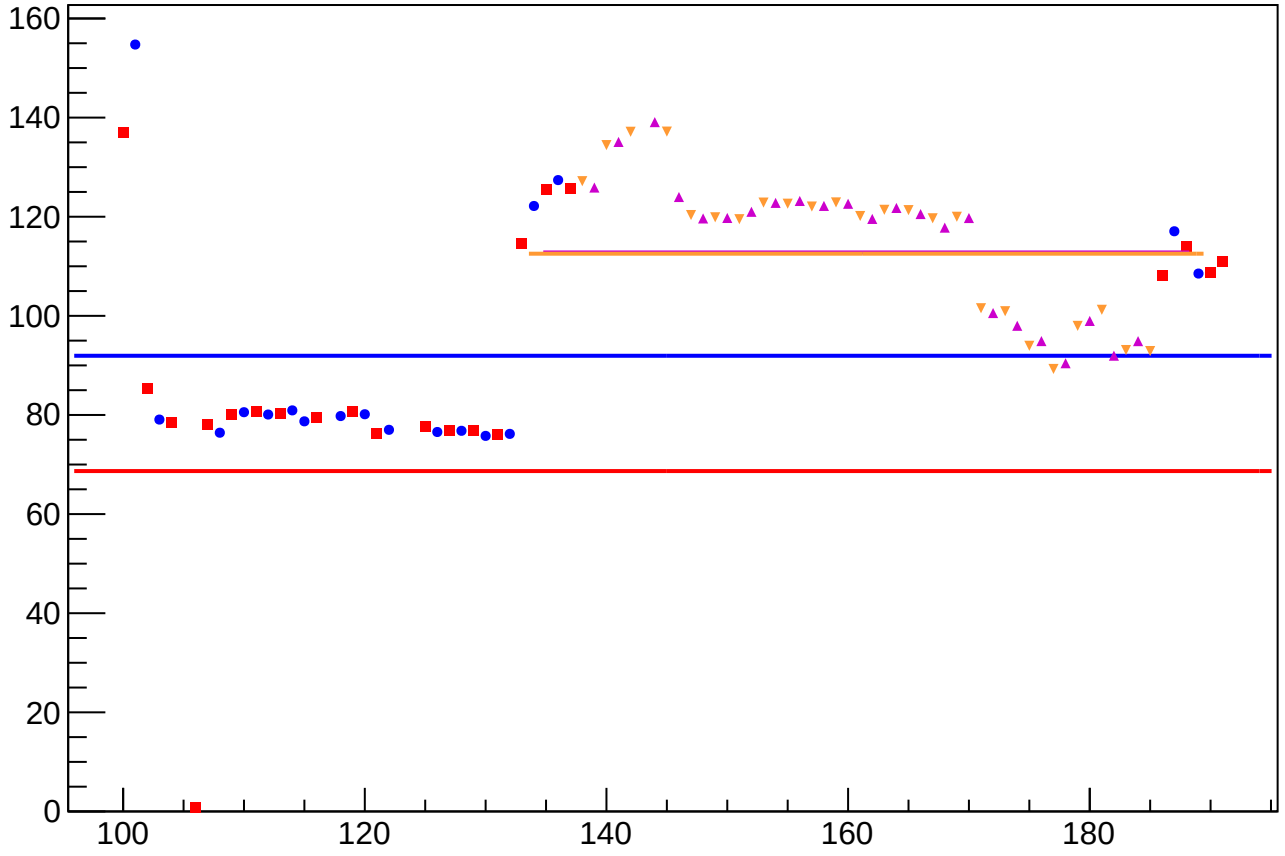
Left In: -61.172+/-0.757 χ^2/NDF:316.9/22

+ sign -54.239+/-0.581 χ^2/NDF: 1078.3/41

All: -53.138+/-0.407 χ^2/NDF: 2205.5/86

- sign -52.073+/-0.571 χ^2/NDF: 1120.1/44

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: 68.681+/-0.047 χ^2/NDF: 752547.7/21

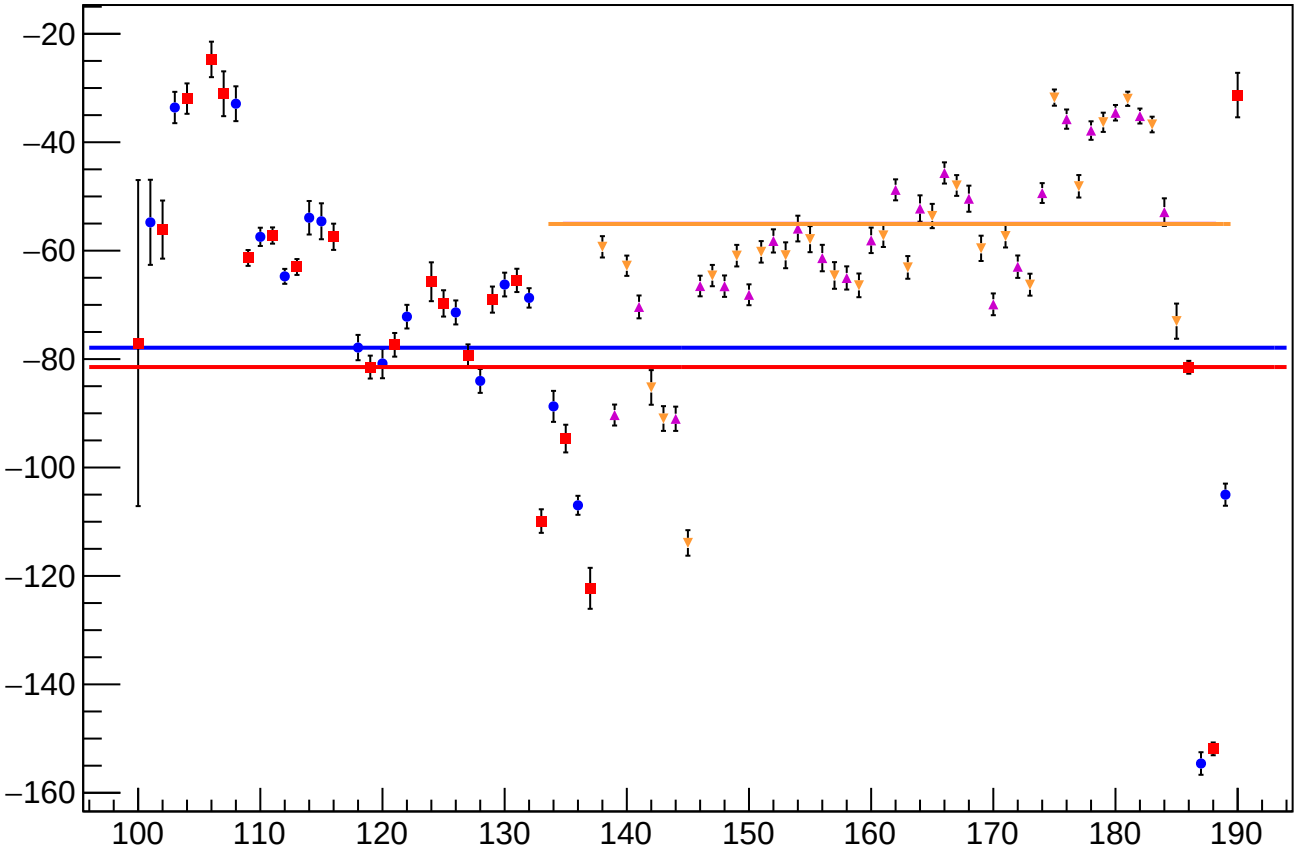
Left In: 112.795+/-0.034 χ^2/NDF:171662.8/22

+ sign 106.952+/-0.030 χ^2/NDF: 439287.3/41

All: 101.843+/-0.020 χ^2/NDF: 1995336.8/86

- sign 97.330+/-0.028 χ^2/NDF: 1499644.8/44

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: -81.468+/-0.443 χ^2/NDF: 5648.7/21

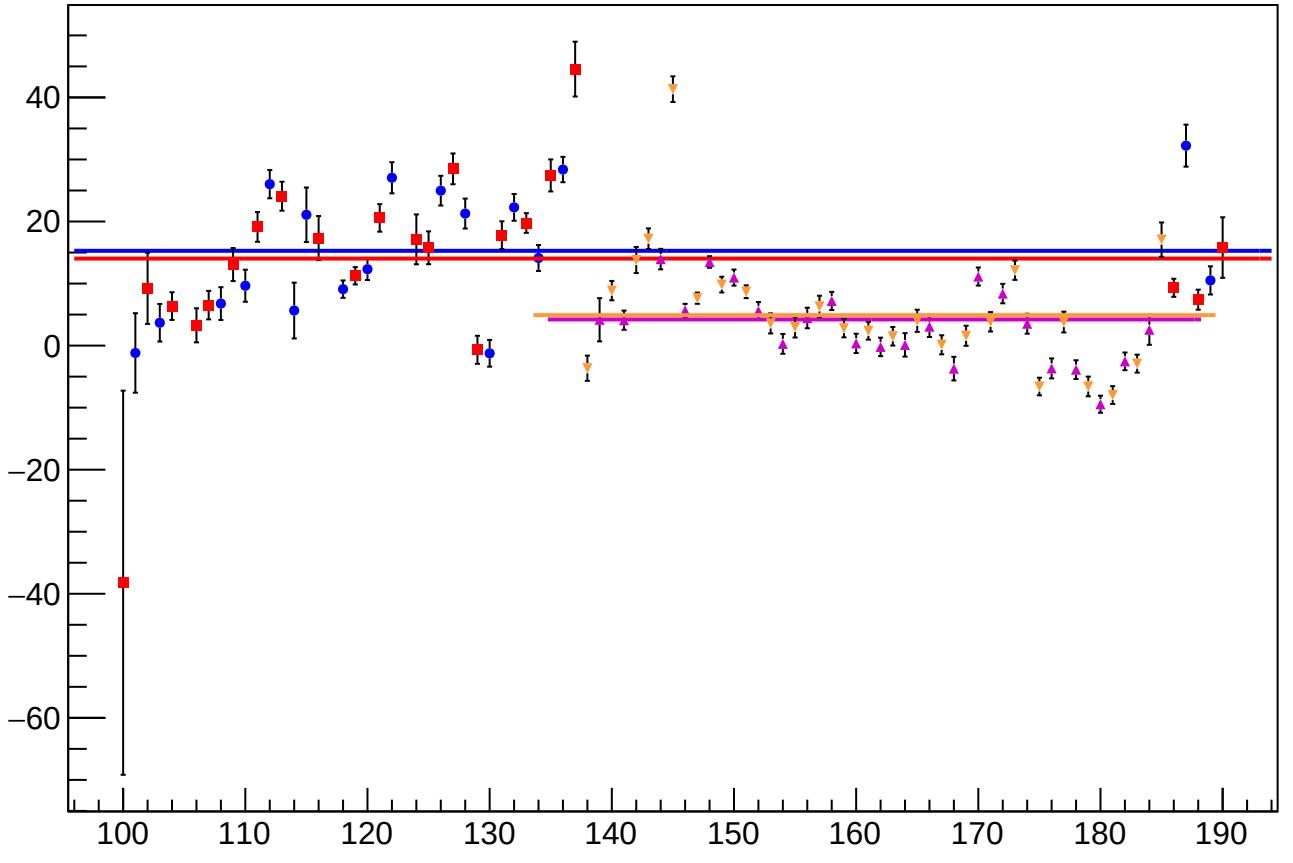
Left In: -55.050+/-0.410 χ^2/NDF:1541.8/22

+ sign -63.557+/-0.318 χ^2/NDF: 5899.9/42

All: -65.504+/-0.218 χ^2/NDF: 15075.5/87

- sign -67.254+/-0.301 χ^2/NDF: 9104.2/44

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug



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: 14.030+/-0.493 χ^2/NDF: 273.6/21

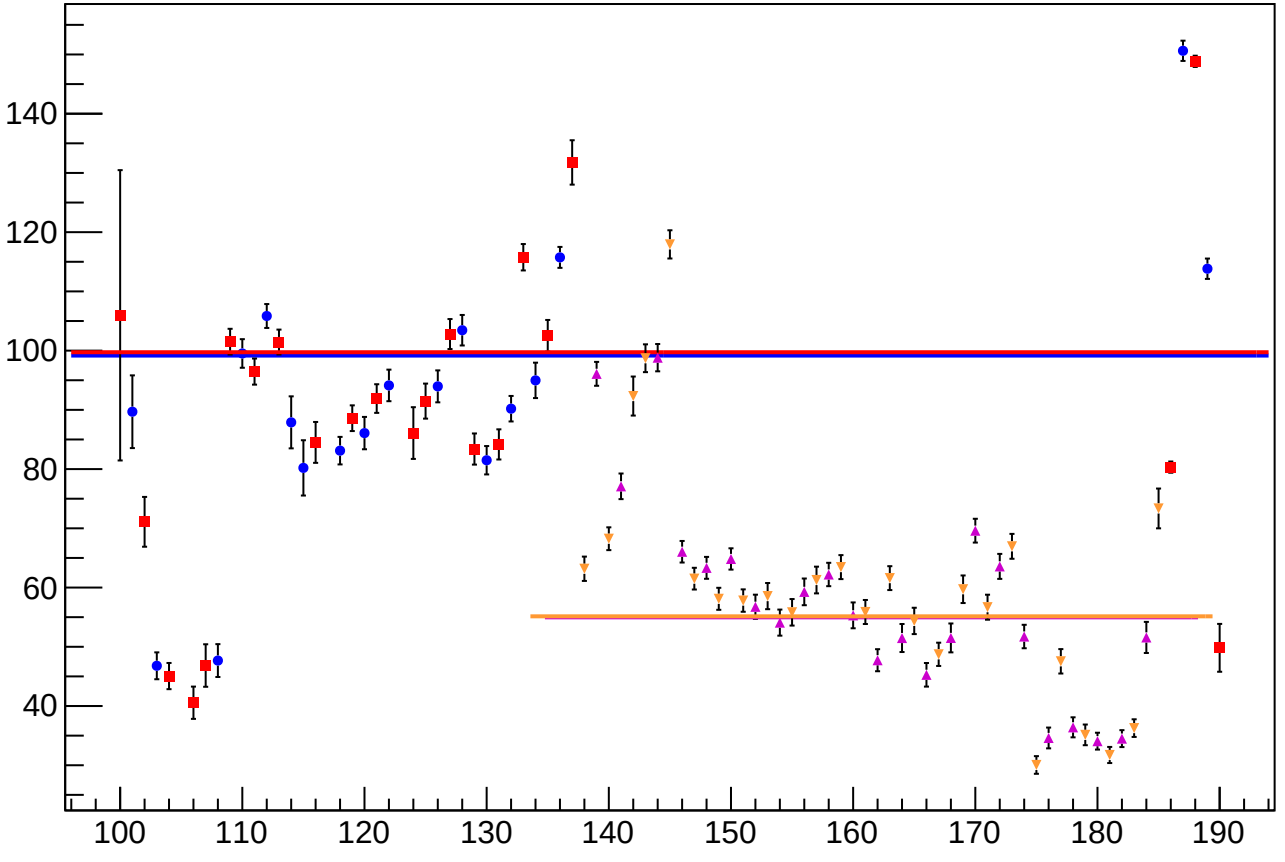
Left In: 4.215+/-0.312 χ^2/NDF:415.1/22

+ sign 7.270+/-0.265 χ^2/NDF: 1283.0/42

All: 7.146+/-0.187 χ^2/NDF: 2254.5/87

- sign 7.022+/-0.264 χ^2/NDF: 971.1/44

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: 99.730+/-0.451 χ^2/NDF: 4880.2/21

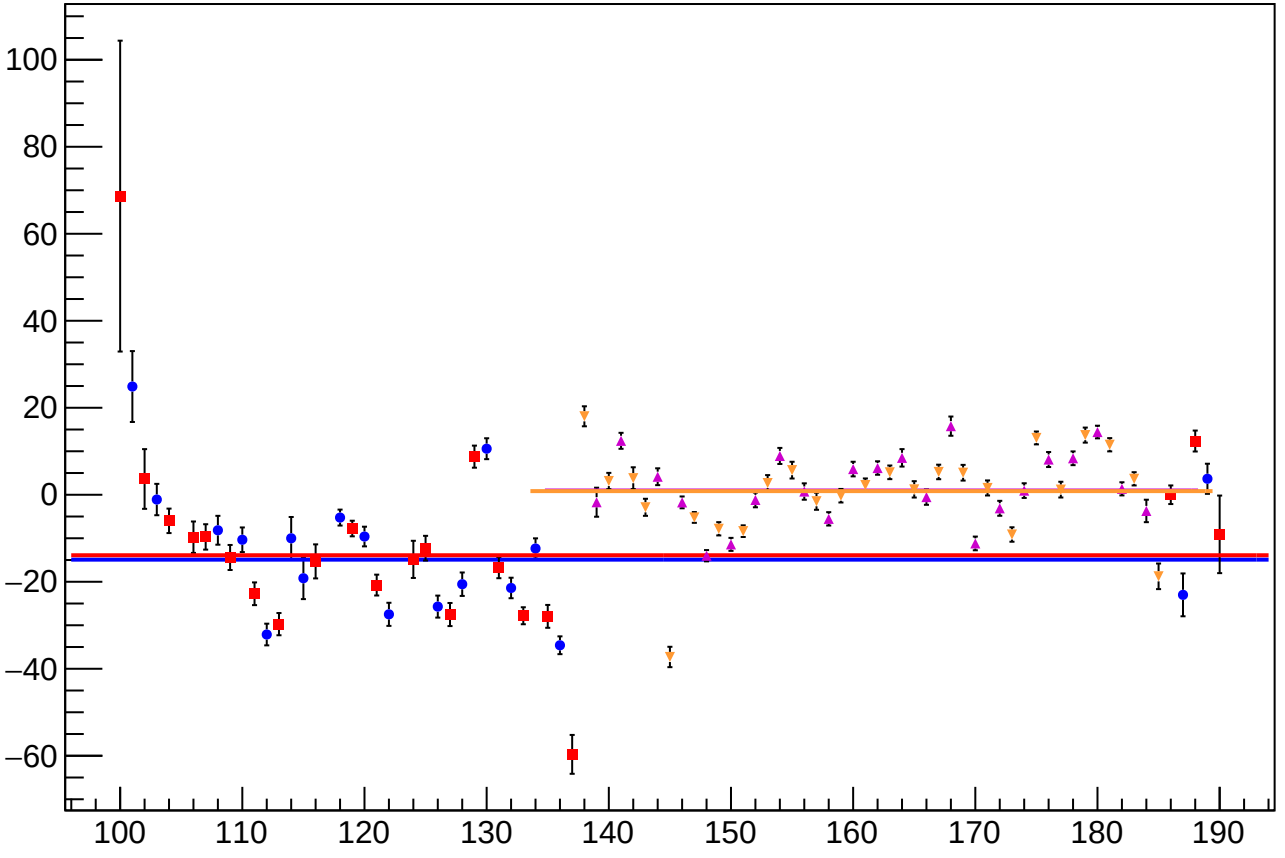
Left In: 54.972+/-0.406 χ^2/NDF:1780.5/22

+ sign 69.639+/-0.325 χ^2/NDF: 8428.6/42

All: 72.510+/-0.221 χ^2/NDF: 20678.4/87

- sign 74.980+/-0.302 χ^2/NDF: 12104.7/44

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

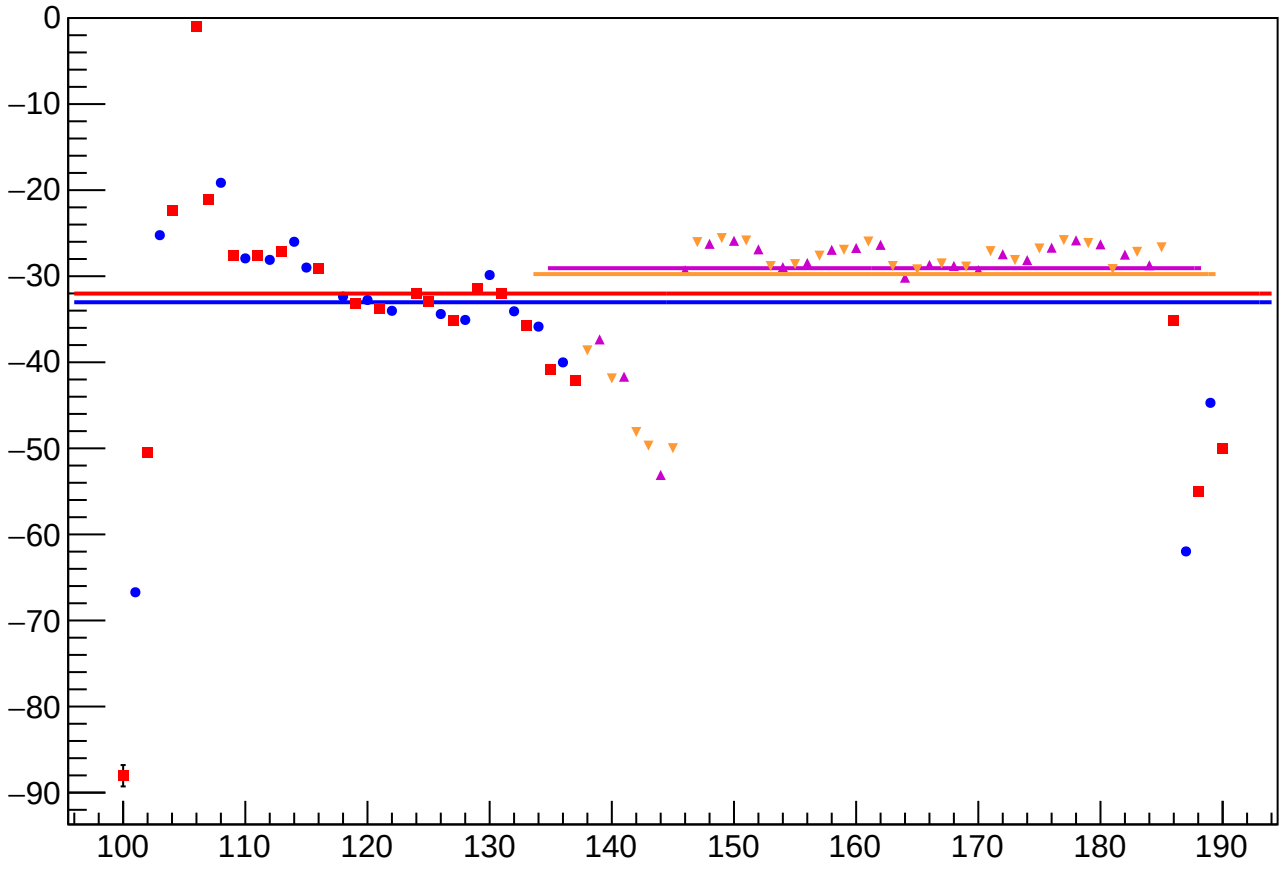
Right Out: -13.904+/-0.596 χ^2/NDF: 546.7/21

Left In: 0.980+/-0.353 χ^2/NDF:558.5/22

+ sign -2.608+/-0.303 χ^2/NDF: 1597.9/42

All: -2.750+/-0.215 χ^2/NDF: 3165.4/87

- sign -2.894+/-0.304 χ^2/NDF: 1567.0/44



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: -32.017+/-0.035 χ^2/NDF: 139808.6/21

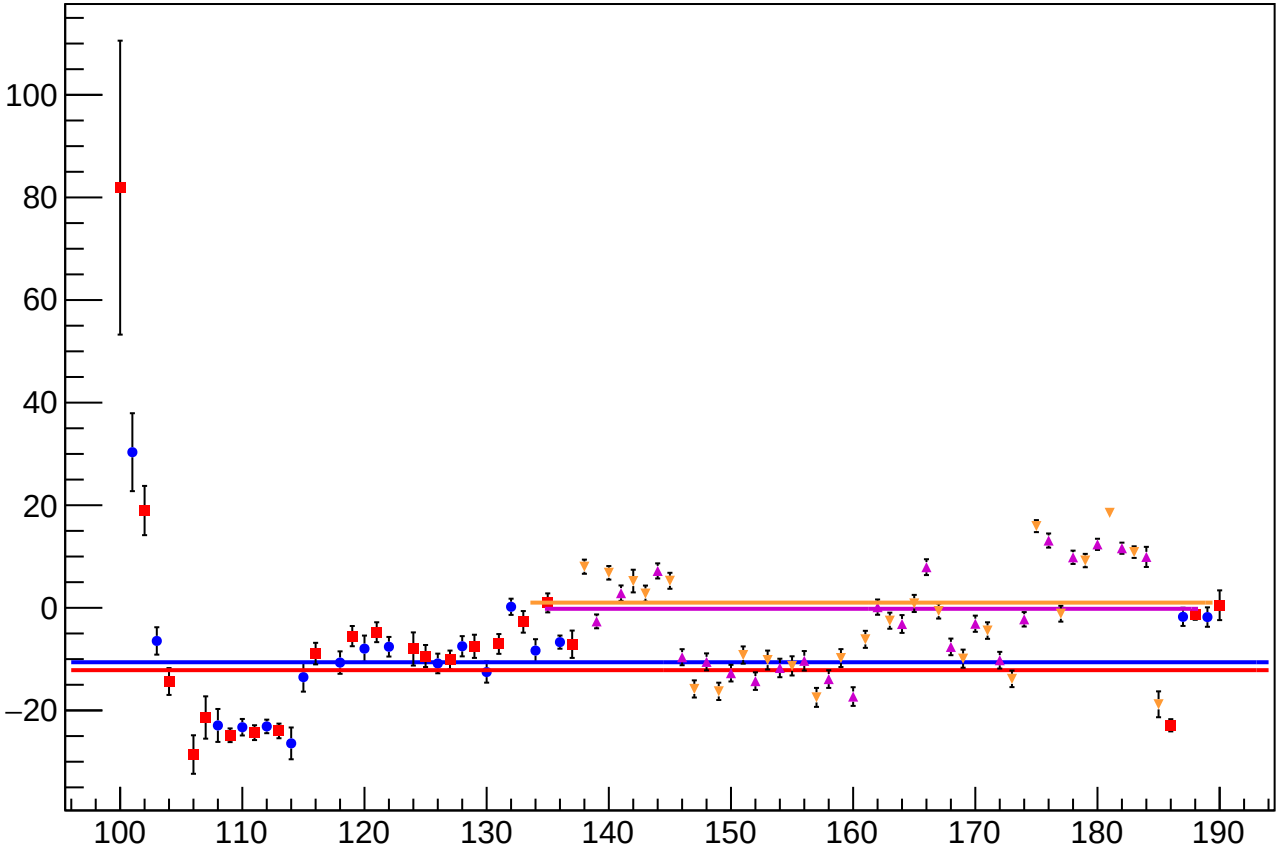
Left In: -29.067+/-0.016 χ^2/NDF:101545.6/22

+ sign -30.246+/-0.014 χ^2/NDF: 227859.3/42

All: -29.903+/-0.010 χ^2/NDF: 476147.8/87

- sign -29.557+/-0.014 χ^2/NDF: 247142.4/44

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: -12.151+/-0.404 χ^2/NDF: 639.7/21

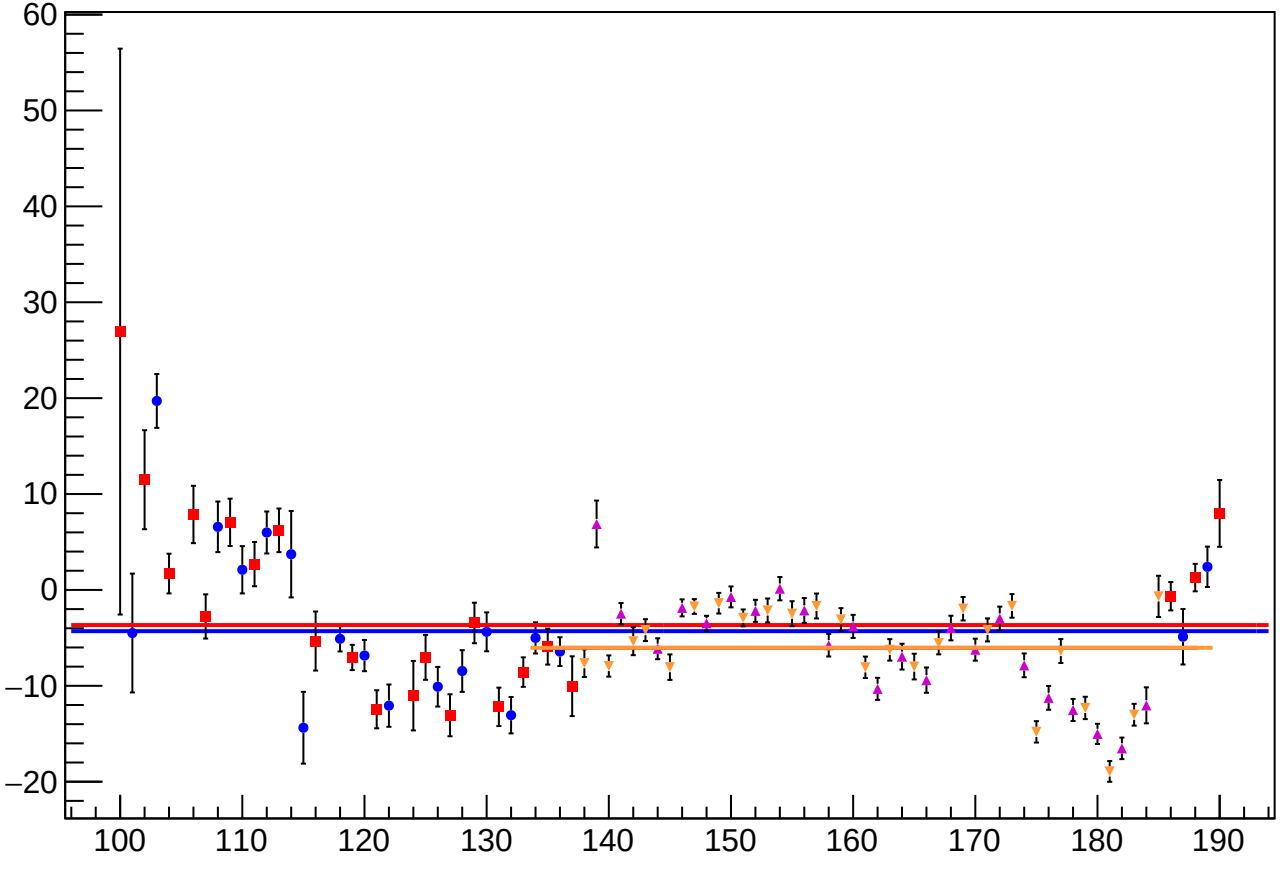
Left In: -0.192+/-0.315 χ^2/NDF:982.8/22

+ sign -2.490+/-0.255 χ^2/NDF: 2109.1/42

All: -3.626+/-0.178 χ^2/NDF: 4315.9/87

- sign -4.705+/-0.248 χ^2/NDF: 2168.1/44

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: -3.665+/-0.455 χ^2/NDF: 189.0/21

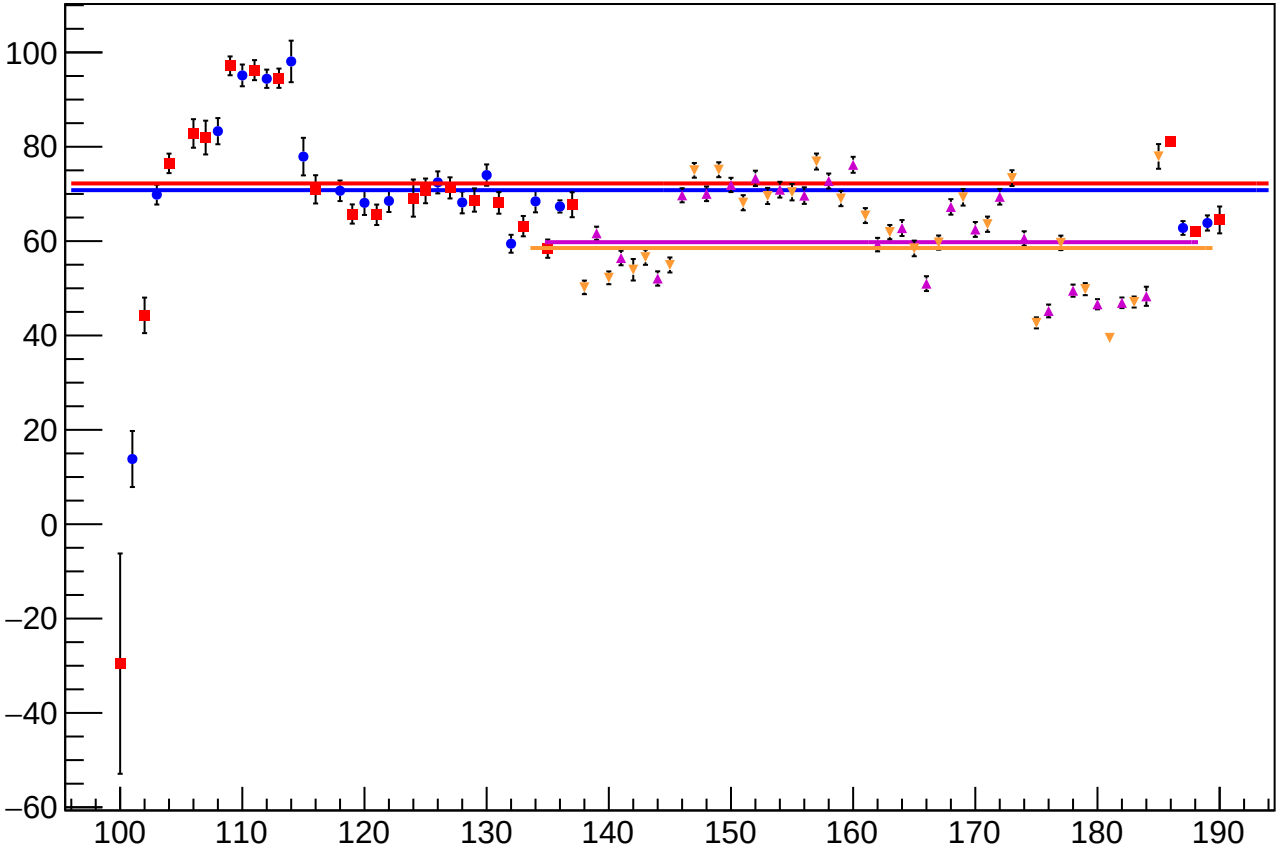
Left In: -6.043+/-0.243 χ^2/NDF:396.2/22

+ sign -5.720+/-0.211 χ^2/NDF: 614.8/42

All: -5.619+/-0.150 χ^2/NDF: 1221.8/87

- sign -5.516+/-0.214 χ^2/NDF: 606.5/44

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: 72.225+/-0.413 χ^2/NDF: 842.7/21

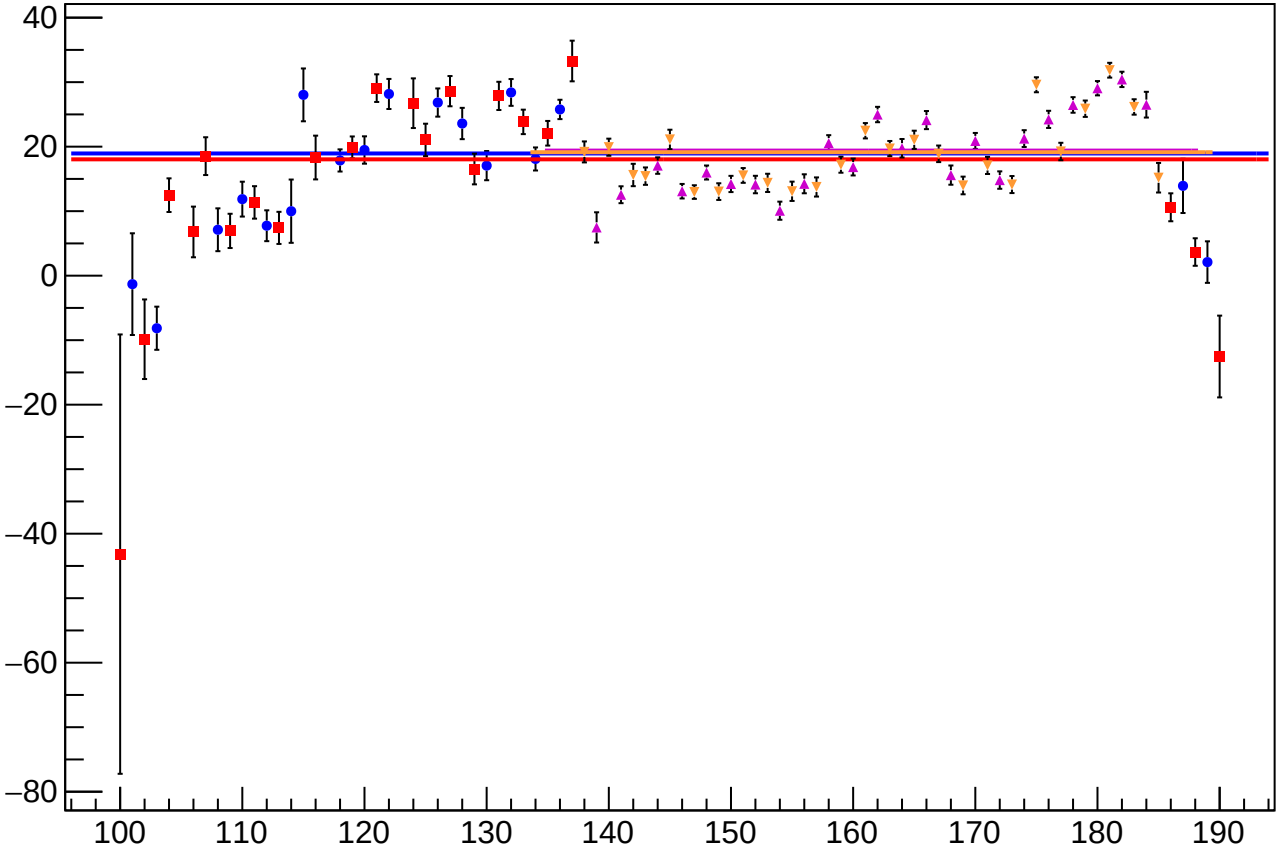
Left In: 59.777+/-0.312 χ^2/NDF:1070.5/22

\+ sign 61.820+/-0.259 χ^2/NDF: 2401.3/42

All: 63.110+/-0.179 χ^2/NDF: 4941.7/87

\- sign 64.297+/-0.249 χ^2/NDF: 2492.9/44

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: 18.034+/-0.544 χ^2/NDF: 272.1/21

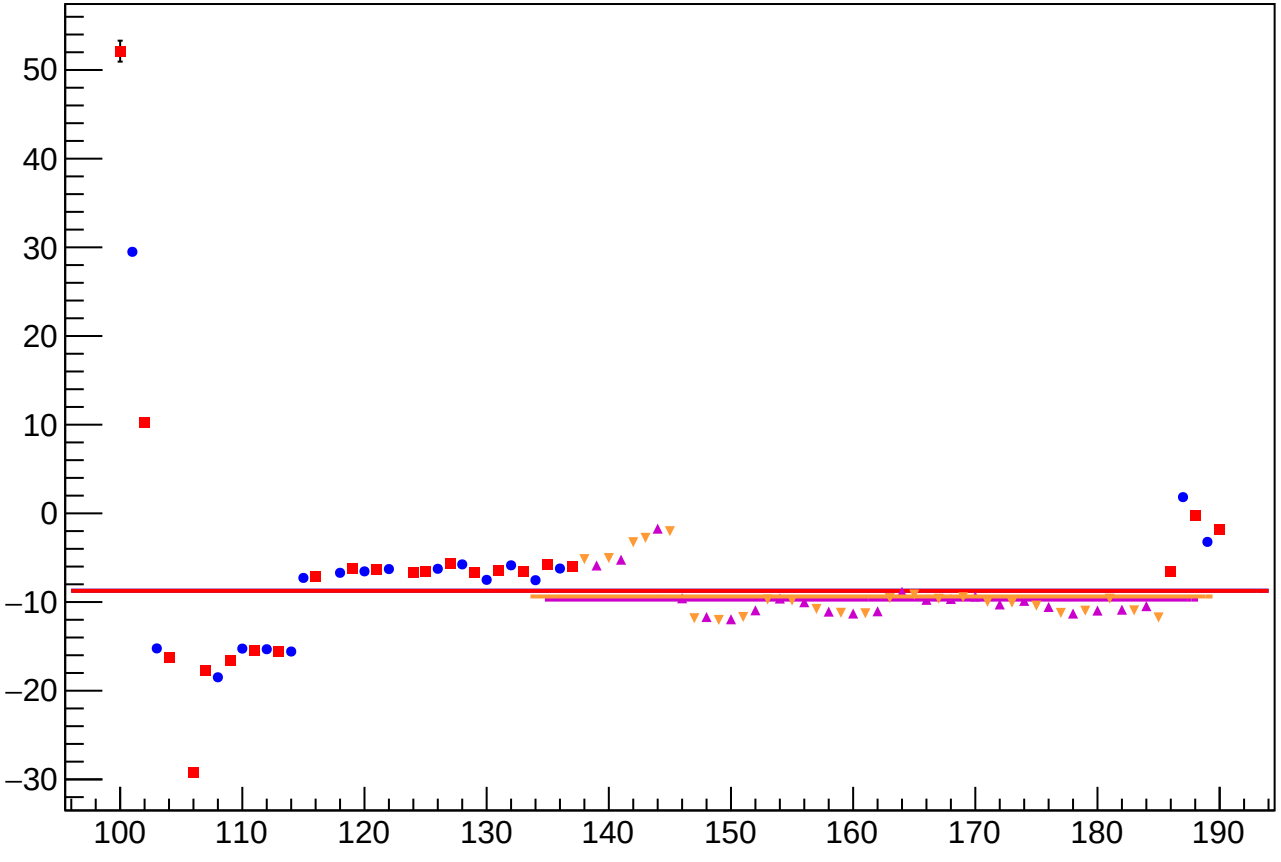
Left In: 19.390+/-0.274 χ^2/NDF:467.7/22

\+ sign 19.104+/-0.240 χ^2/NDF: 659.8/42

All: 19.110+/-0.171 χ^2/NDF: 1404.6/87

\- sign 19.116+/-0.244 χ^2/NDF: 744.8/44

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: -8.738+/-0.032 χ^2/NDF: 62643.5/21

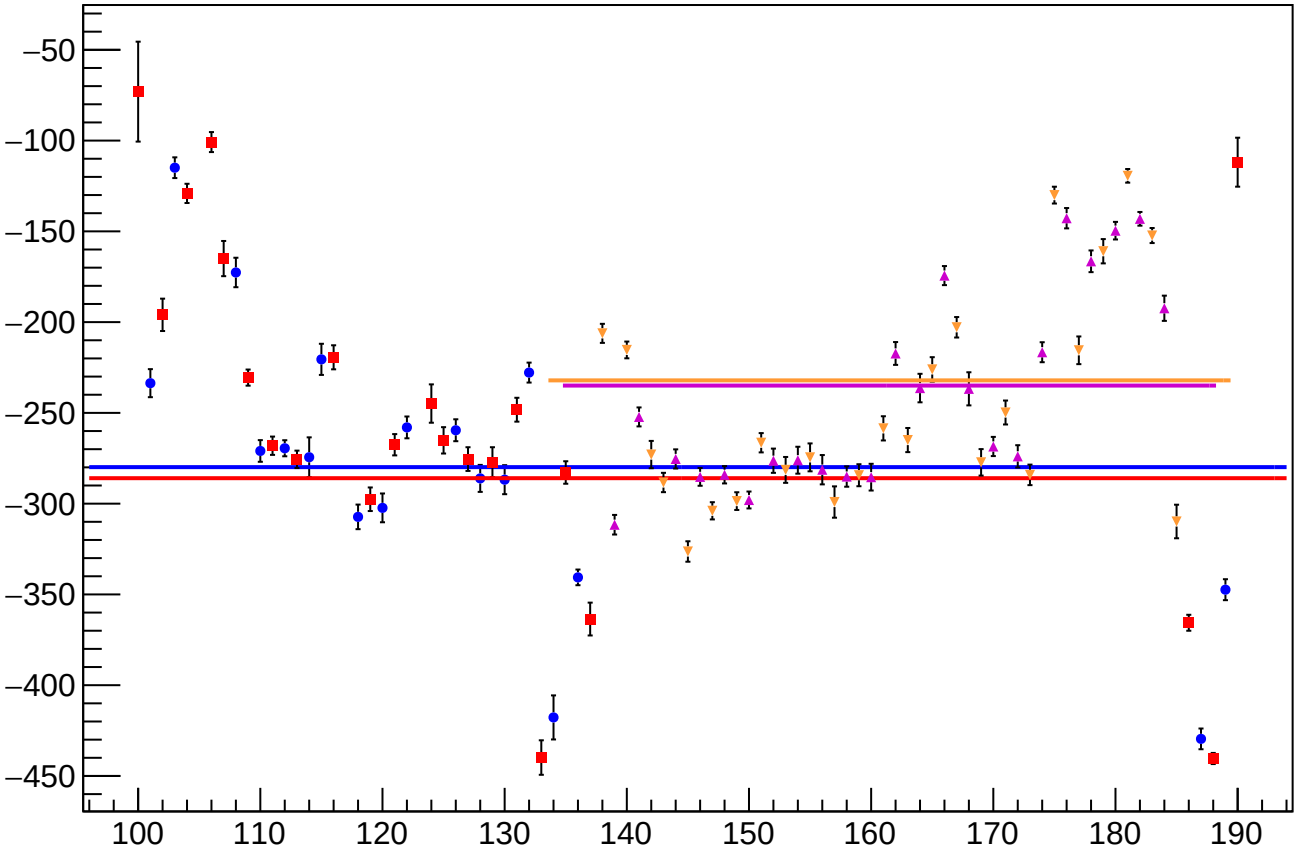
Left In: -9.726+/-0.012 χ^2/NDF:31951.7/22

+ sign -9.294+/-0.011 χ^2/NDF: 85329.1/42

All: -9.444+/-0.008 χ^2/NDF: 181143.8/87

- sign -9.600+/-0.011 χ^2/NDF: 95442.7/44

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: -285.971+/-1.286 χ^2/NDF: 6038.6/21

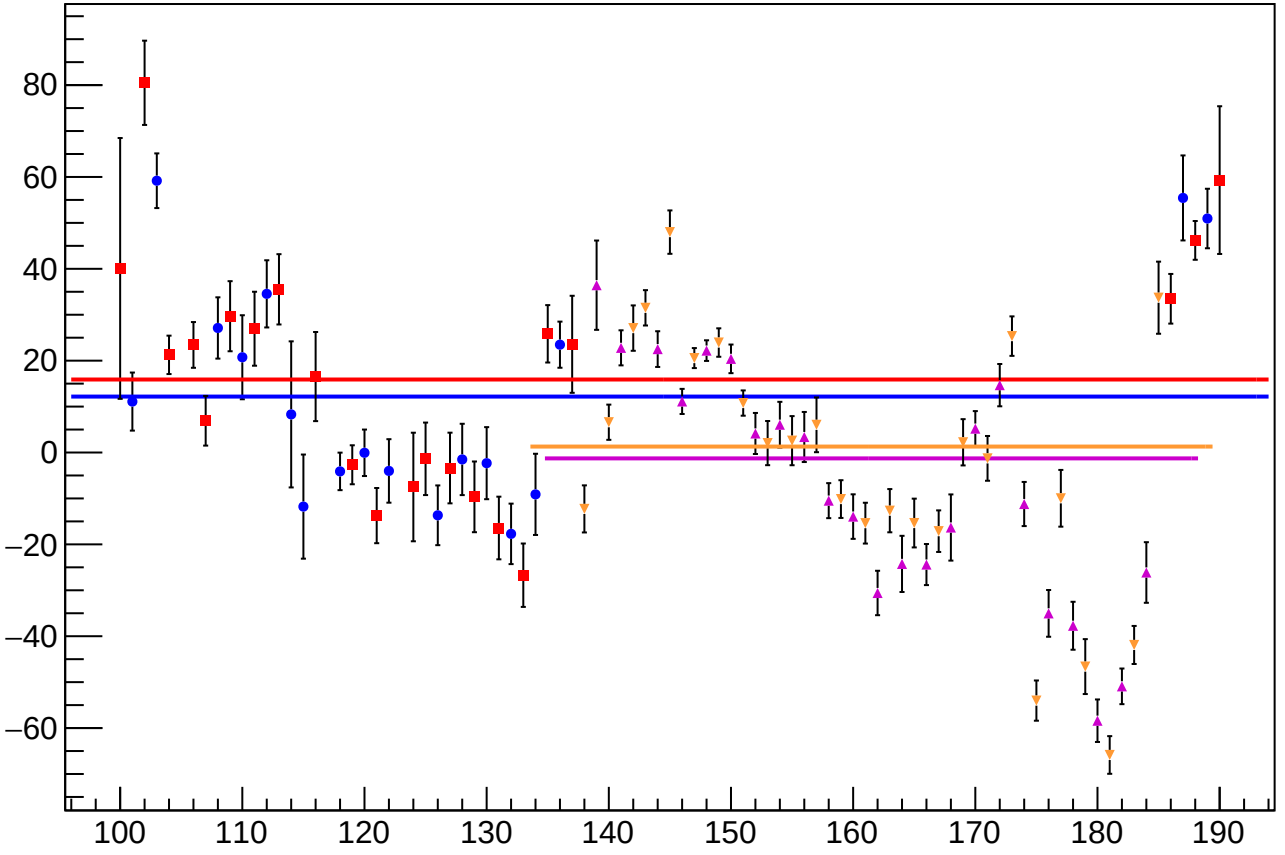
Left In: -234.951+/-1.176 χ^2/NDF:2470.2/22

+ sign -249.651+/-0.909 χ^2/NDF: 6304.8/42

All: -254.111+/-0.628 χ^2/NDF: 15716.9/87

- sign -258.175+/-0.868 χ^2/NDF: 9366.0/44

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: 15.896+/-1.391 χ^2/NDF: 271.2/21

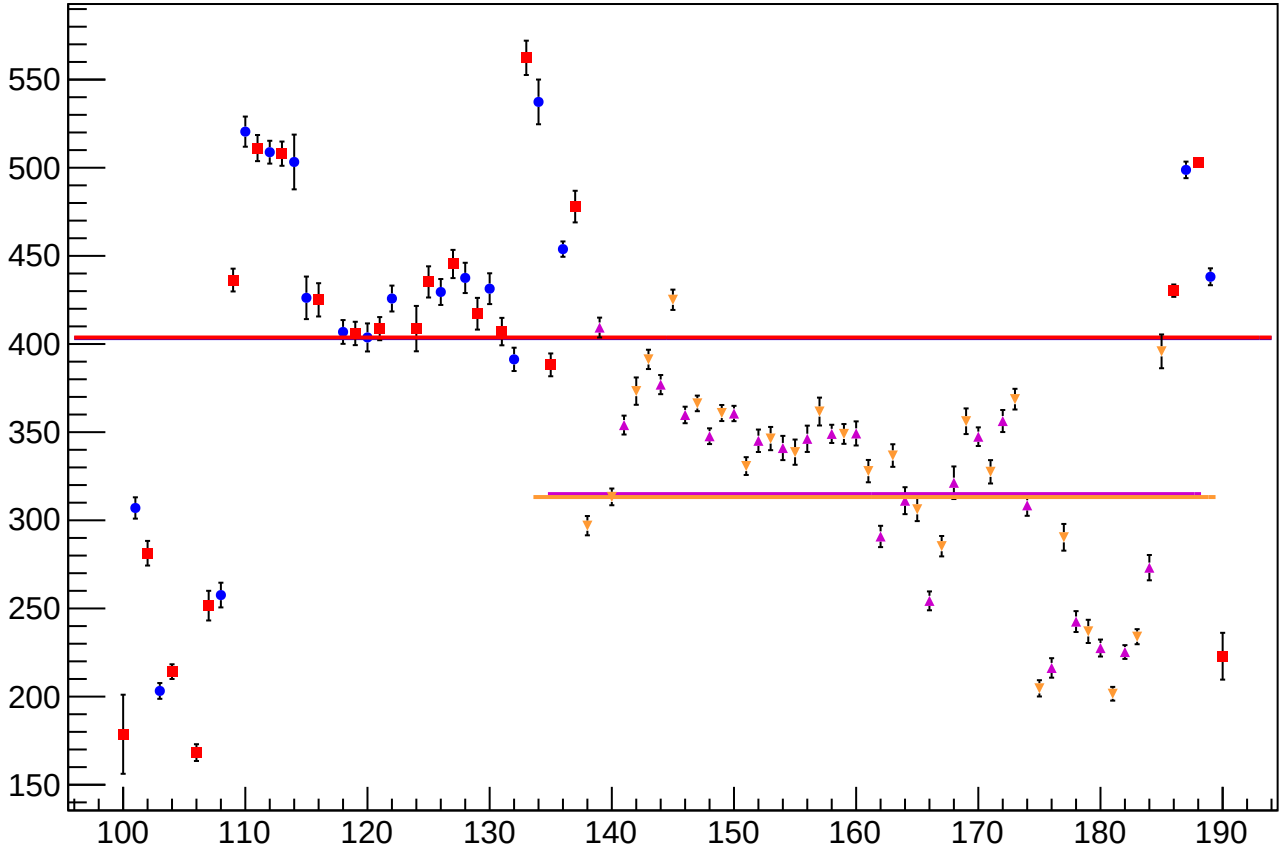
Left In: -1.280+/-0.869 χ^2/NDF:811.2/22

\+ sign 3.703+/-0.739 χ^2/NDF: 1307.7/42

All: 3.620+/-0.522 χ^2/NDF: 2499.7/87

\- sign 3.538+/-0.737 χ^2/NDF: 1192.0/44

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: 403.696+/-1.269 χ^2/NDF: 7964.4/21

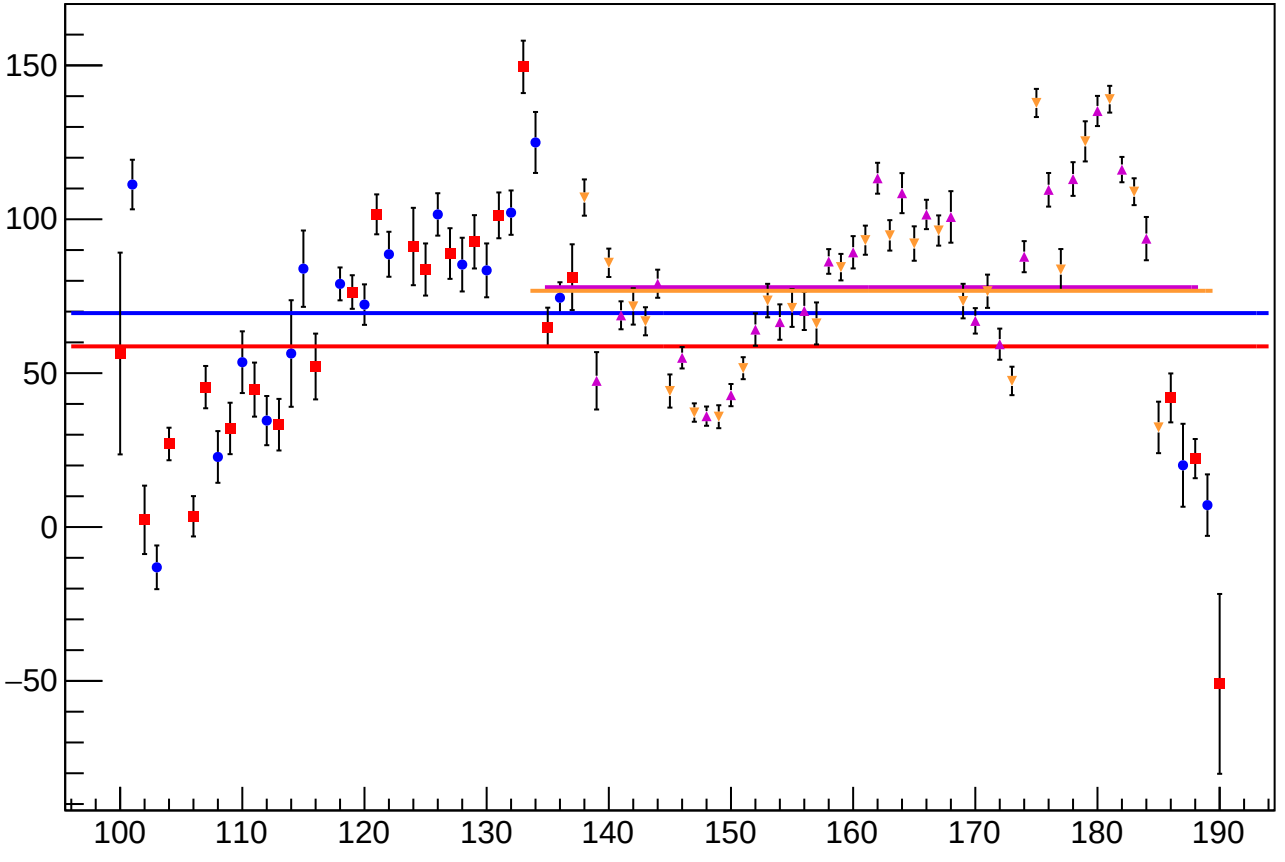
Left In: 314.864+/-1.161 χ^2/NDF:2429.0/22

\+ sign 344.738+/-0.914 χ^2/NDF: 9291.2/42

All: 350.396+/-0.625 χ^2/NDF: 22423.9/87

\- sign 355.362+/-0.857 χ^2/NDF: 13060.8/44

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: 58.700+/-1.685 χ^2/NDF: 460.3/21

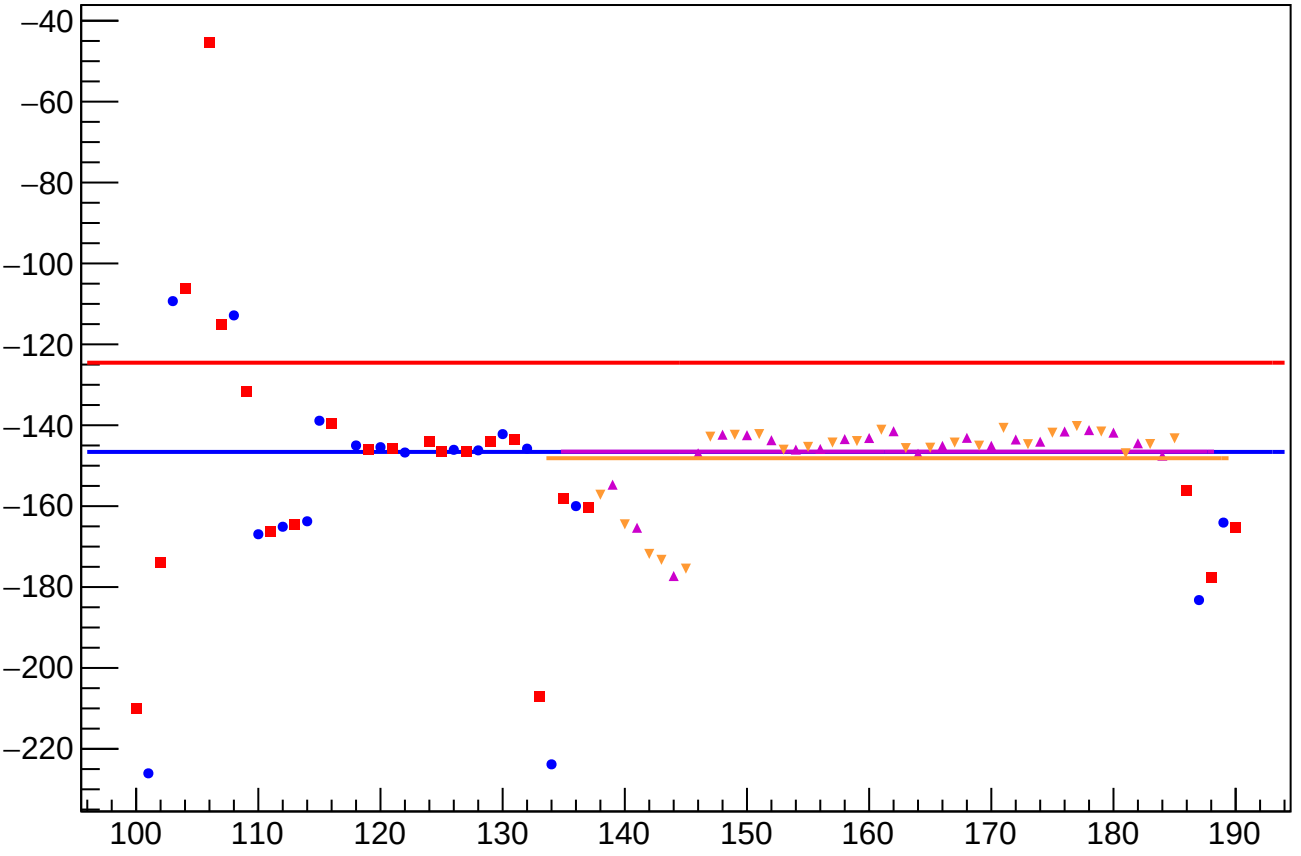
Left In: 77.923+/-0.997 χ^2/NDF:783.8/22

+ sign 75.199+/-0.856 χ^2/NDF: 1407.1/42

All: 74.072+/-0.606 χ^2/NDF: 2751.0/87

- sign 72.941+/-0.858 χ^2/NDF: 1340.5/44

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: -124.538+/-0.085 χ^2/NDF: 301244.2/21

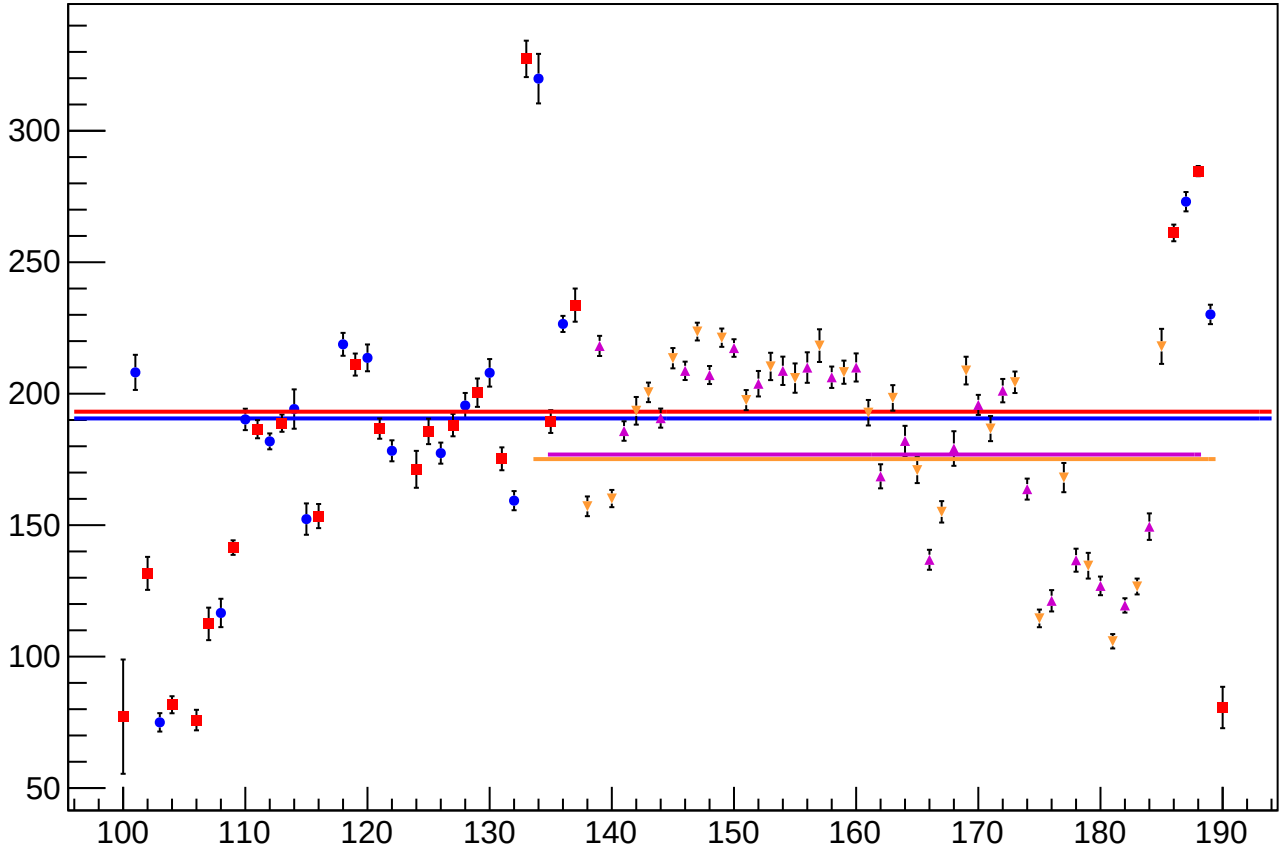
Left In: -146.523+/-0.046 χ^2/NDF:29172.3/22

+ sign -147.865+/-0.041 χ^2/NDF: 185035.8/42

All: -144.687+/-0.029 χ^2/NDF: 579469.2/87

- sign -141.609+/-0.040 χ^2/NDF: 382480.4/44

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: 193.158+/-0.851 χ^2/NDF: 6183.1/21

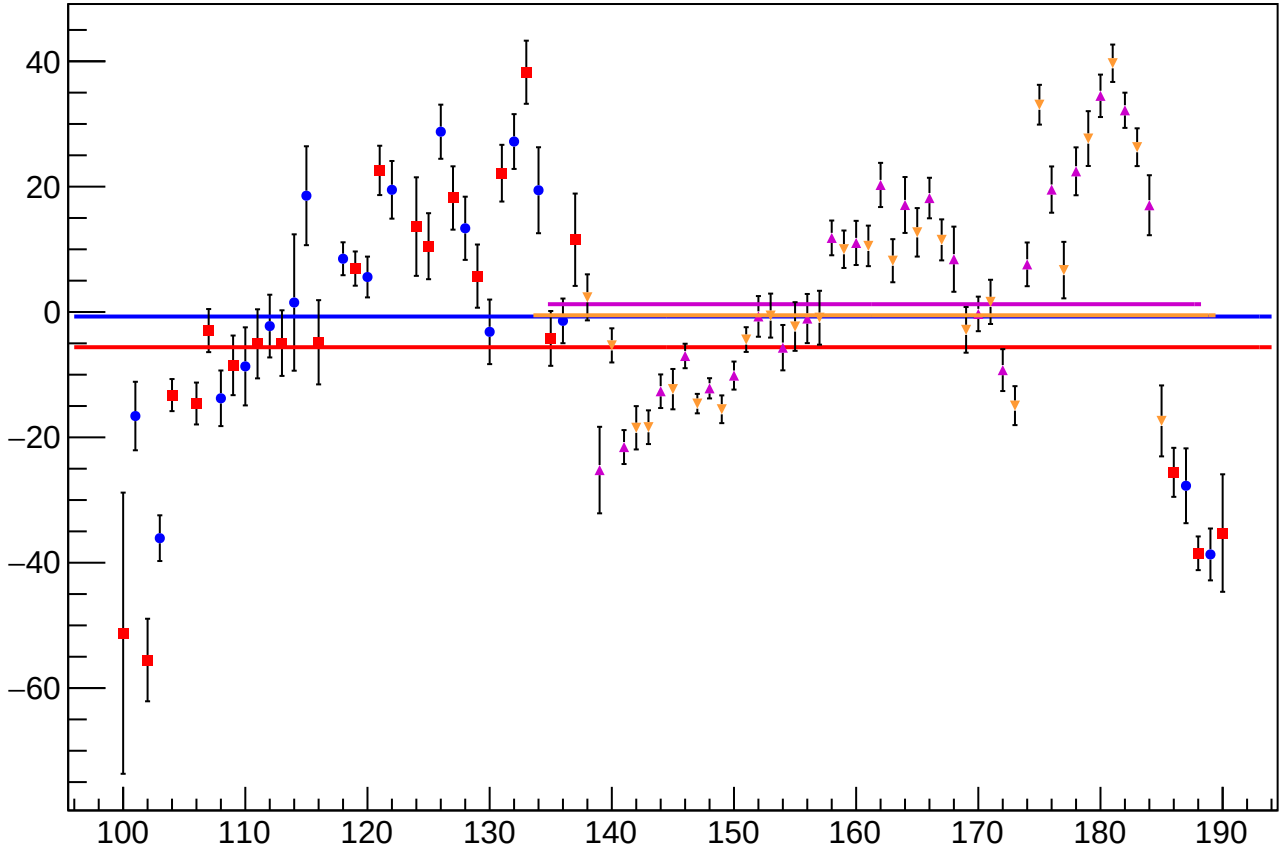
Left In: 176.862+/-0.847 χ^2/NDF:1756.1/22

+ sign 181.328+/-0.636 χ^2/NDF: 4883.8/42

All: 183.256+/-0.437 χ^2/NDF: 13024.5/87

- sign 184.973+/-0.600 χ^2/NDF: 8123.4/44

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: -5.618+/-0.916 χ^2/NDF: 498.6/21

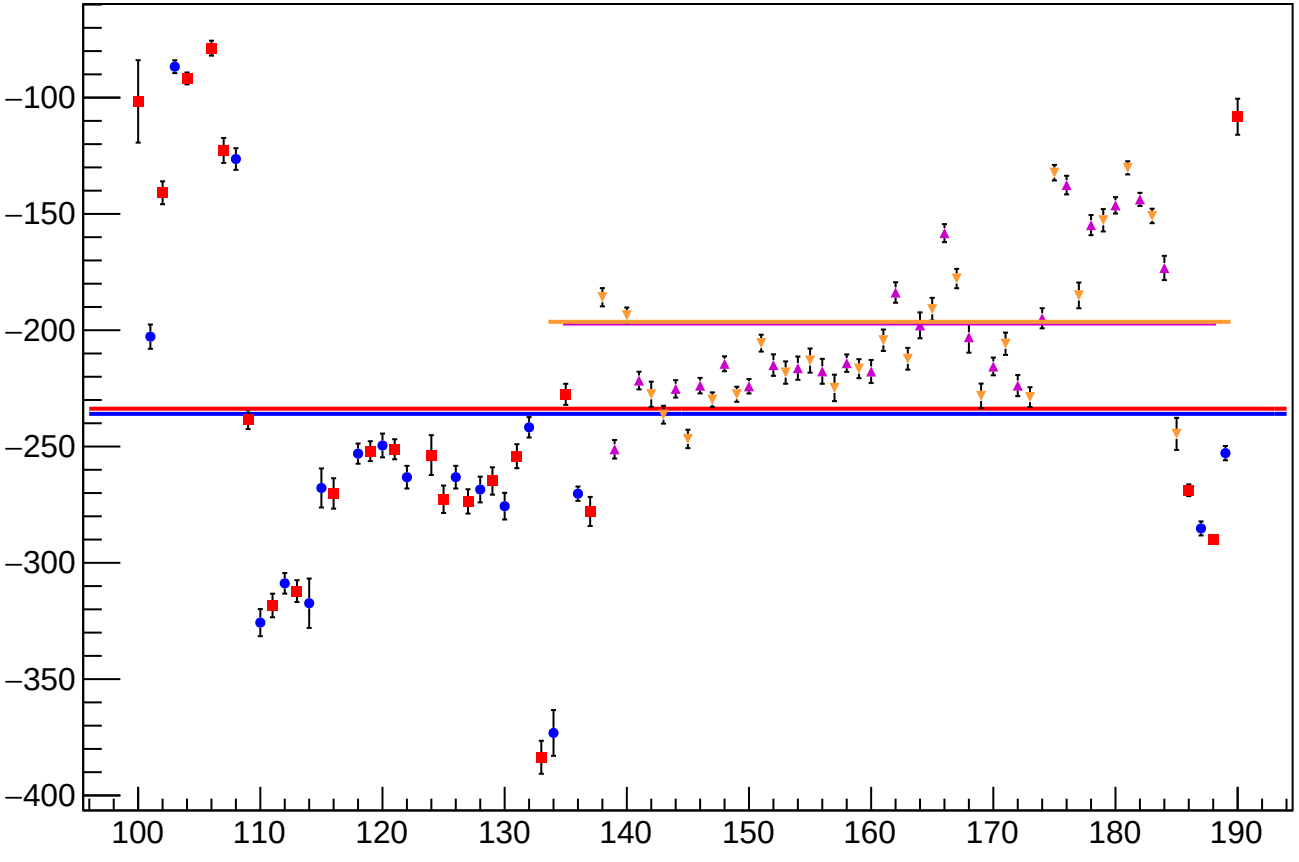
Left In: 1.244+/-0.625 χ^2/NDF:620.6/22

+ sign -0.572+/-0.521 χ^2/NDF: 1087.4/42

All: -0.757+/-0.367 χ^2/NDF: 2245.1/87

- sign -0.937+/-0.517 χ^2/NDF: 1157.5/44

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: -233.738+/-0.835 χ^2/NDF: 9289.7/21

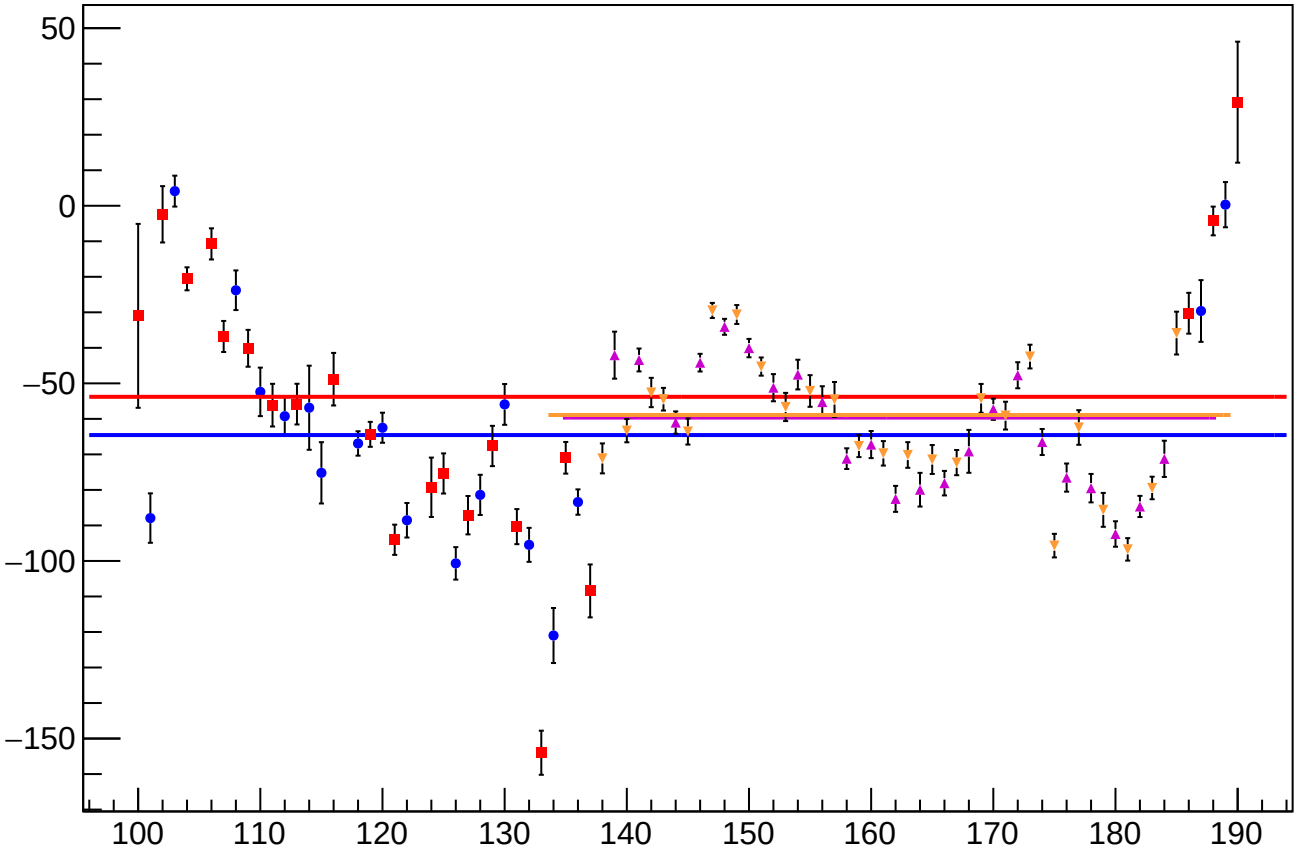
Left In: -197.128+/-0.837 χ^2/NDF:1601.5/22

\+ sign -211.609+/-0.640 χ^2/NDF: 7810.2/42

All: -213.693+/-0.434 χ^2/NDF: 19680.0/87

\- sign -215.472+/-0.591 χ^2/NDF: 11850.2/44

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: -53.787+/-1.112 χ^2/NDF: 1007.8/21

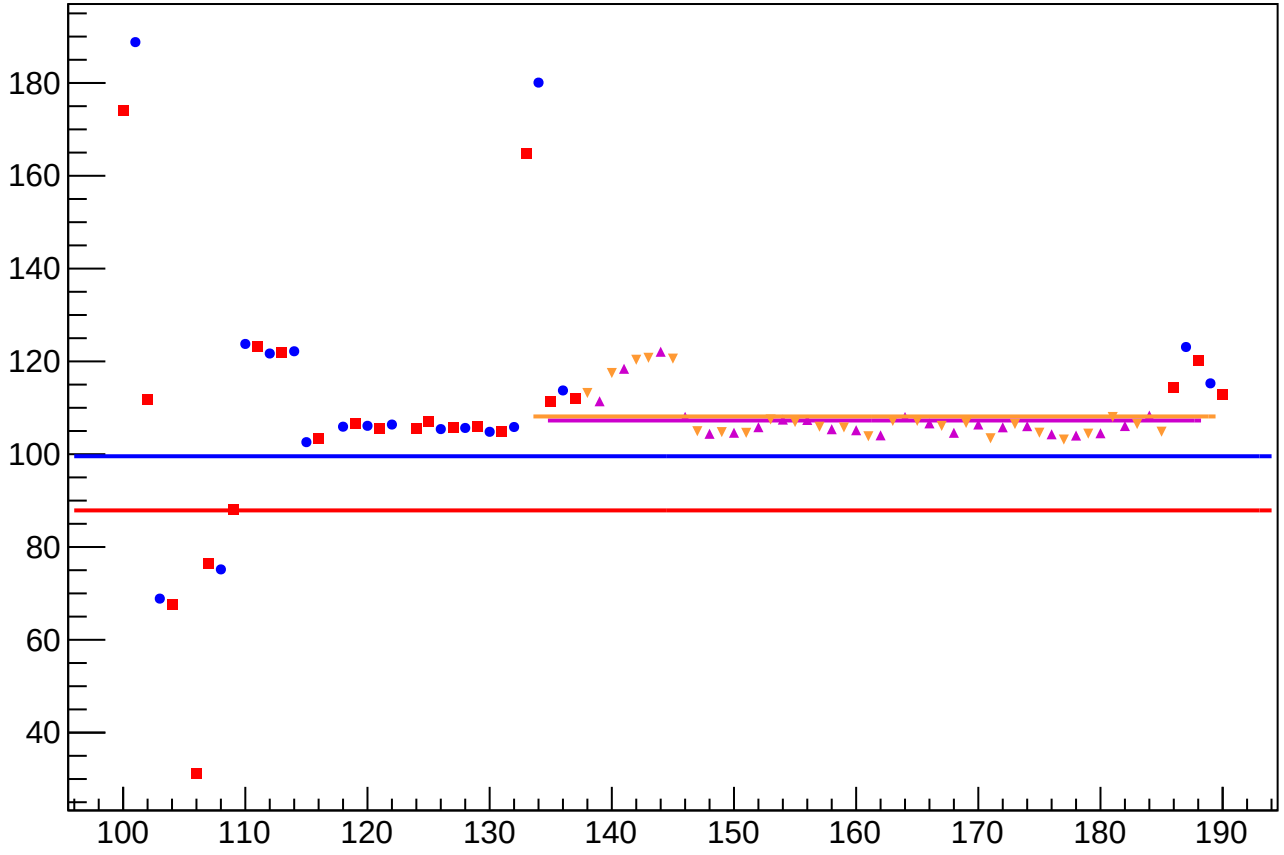
Left In: -59.637+/-0.718 χ^2/NDF:597.0/22

+ sign -60.258+/-0.606 χ^2/NDF: 1459.3/42

All: -59.082+/-0.428 χ^2/NDF: 3091.1/87

- sign -57.916+/-0.603 χ^2/NDF: 1624.3/44

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

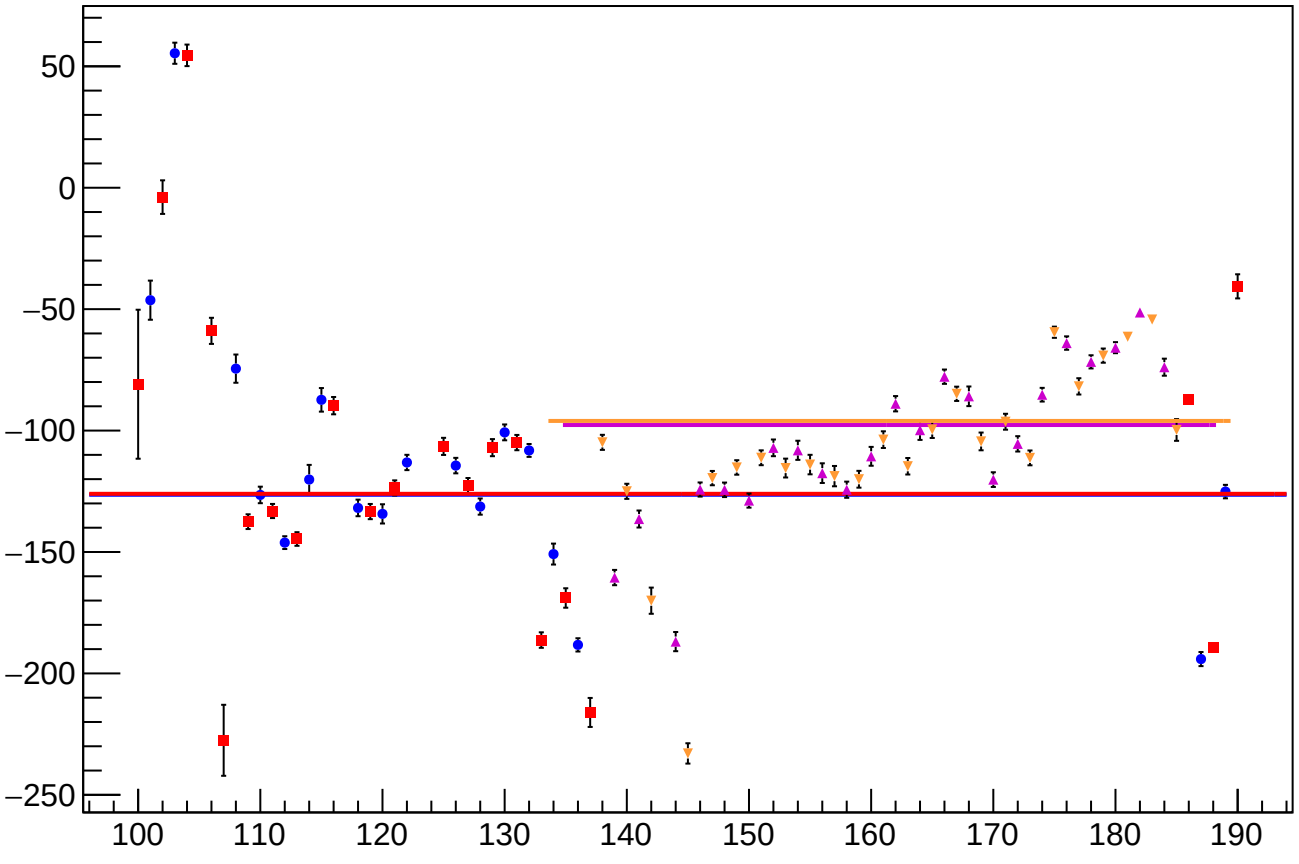
Right Out: 87.888+/-0.058 χ^2/NDF: 300214.2/21

Left In: 107.266+/-0.033 χ^2/NDF:16879.3/22

+ sign 106.380+/-0.029 χ^2/NDF: 274502.3/42

All: 104.413+/-0.020 χ^2/NDF: 686297.8/87

- sign 102.503+/-0.029 χ^2/NDF: 402691.1/44



Right In: -126.426+/-0.814 χ^2/NDF: 3285.4/17

Left Out: -96.026+/-0.635 χ^2/NDF:2770.9/23

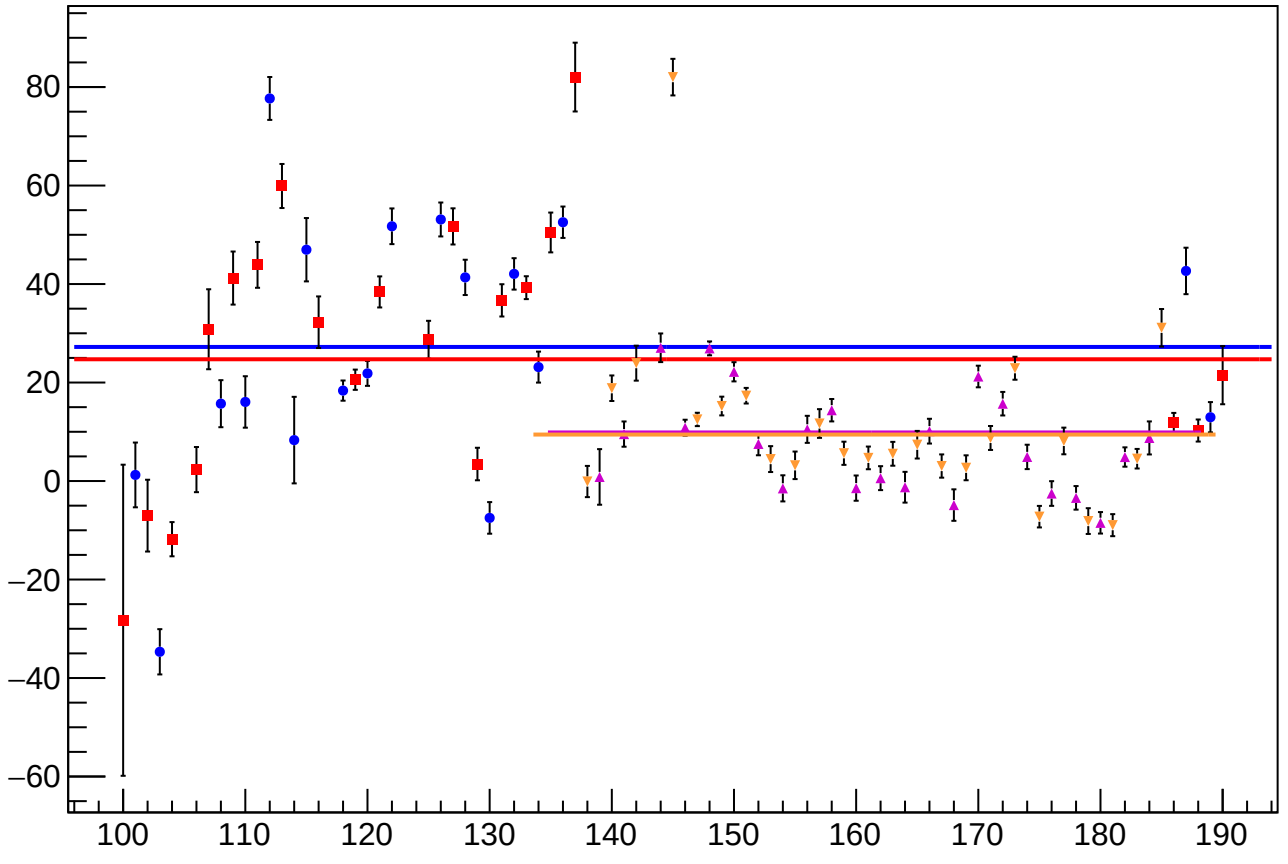
Right Out: -126.041+/-0.692 χ^2/NDF: 5509.7/20

Left In: -97.713+/-0.639 χ^2/NDF:2640.9/22

\+ sign -107.527+/-0.501 χ^2/NDF: 6923.7/41

All: -109.239+/-0.342 χ^2/NDF: 16001.6/85

\- sign -110.744+/-0.469 χ^2/NDF: 9055.9/43



Right In: 27.227+/-0.840 χ^2/NDF: 732.4/17

Left Out: 9.438+/-0.478 χ^2/NDF:736.4/23

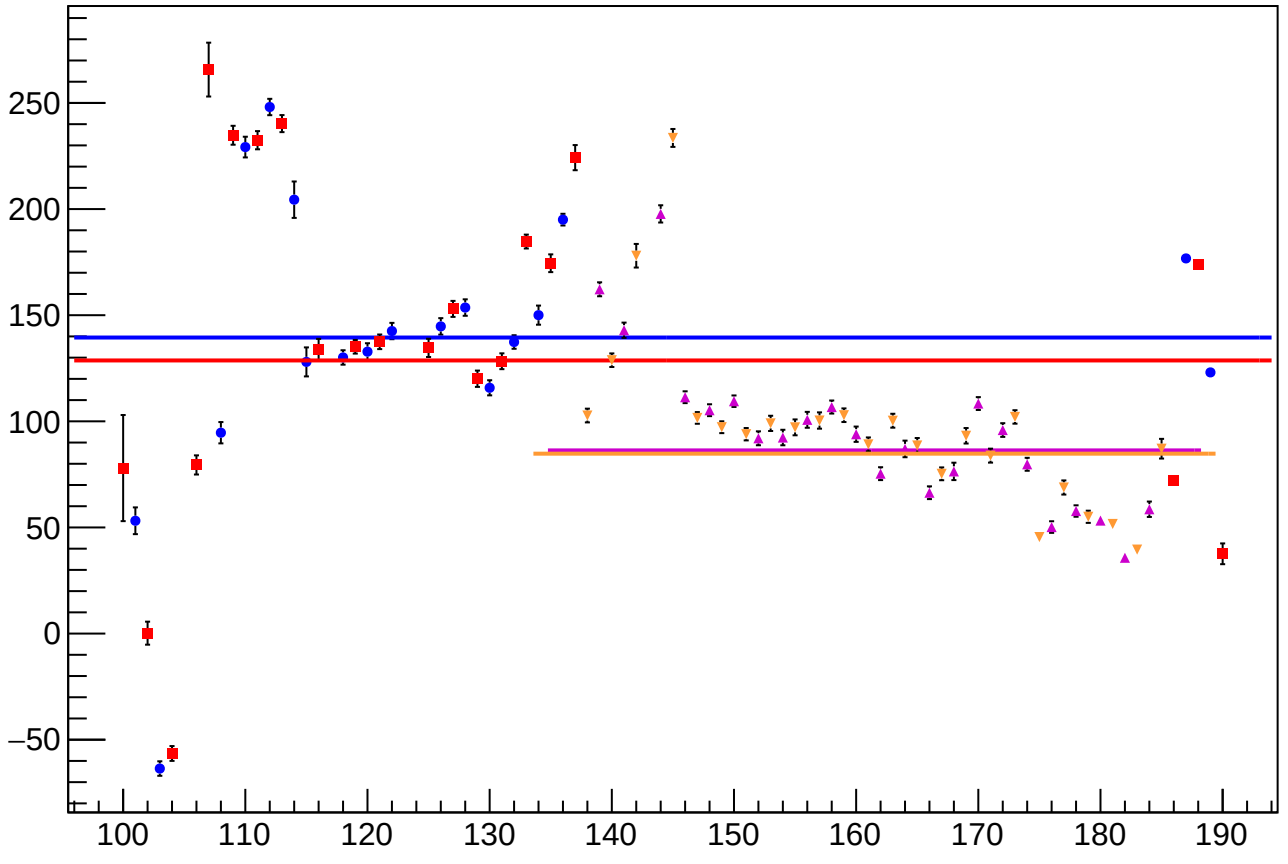
Right Out: 24.724+/-0.760 χ^2/NDF: 609.3/20

Left In: 9.864+/-0.487 χ^2/NDF:485.4/22

+ sign 13.792+/-0.415 χ^2/NDF: 1807.8/41

All: 13.993+/-0.292 χ^2/NDF: 3174.3/85

- sign 14.188+/-0.410 χ^2/NDF: 1366.0/43



Right In: 139.479+/-0.858 χ^2/NDF: 5770.2/17

Left Out: 84.759+/-0.629 χ^2/NDF:3110.5/23

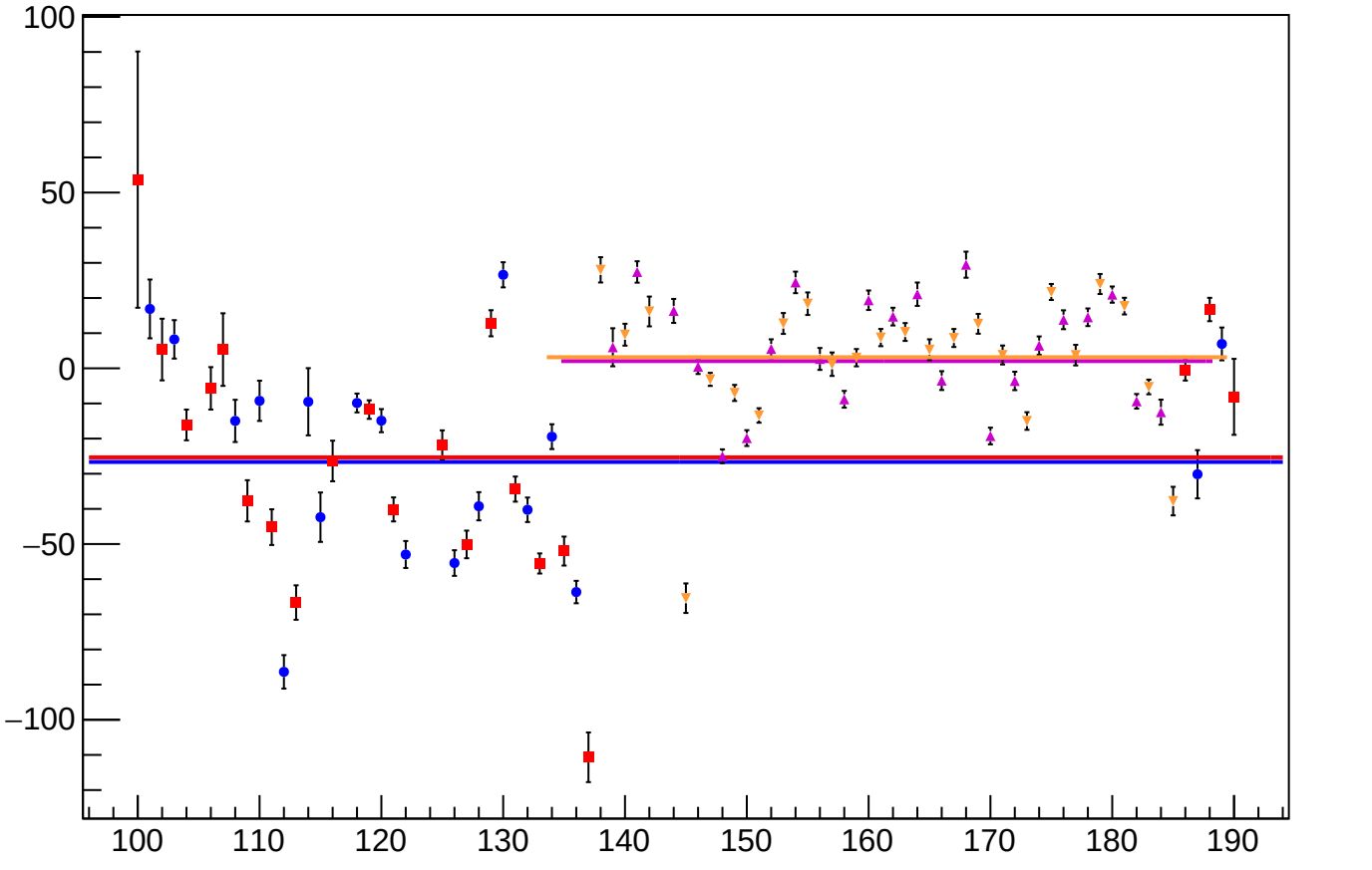
Right Out: 128.681+/-0.674 χ^2/NDF: 9626.8/20

Left In: 86.300+/-0.632 χ^2/NDF:3152.8/22

\+ sign 103.904+/-0.507 χ^2/NDF: 11527.5/41

All: 105.118+/-0.341 χ^2/NDF: 26421.6/85

\- sign 106.119+/-0.461 χ^2/NDF: 14883.7/43



Right In: -26.643+/-0.988 χ^2/NDF: 845.4/17

Left Out: 3.151+/-0.544 χ^2/NDF:813.9/23

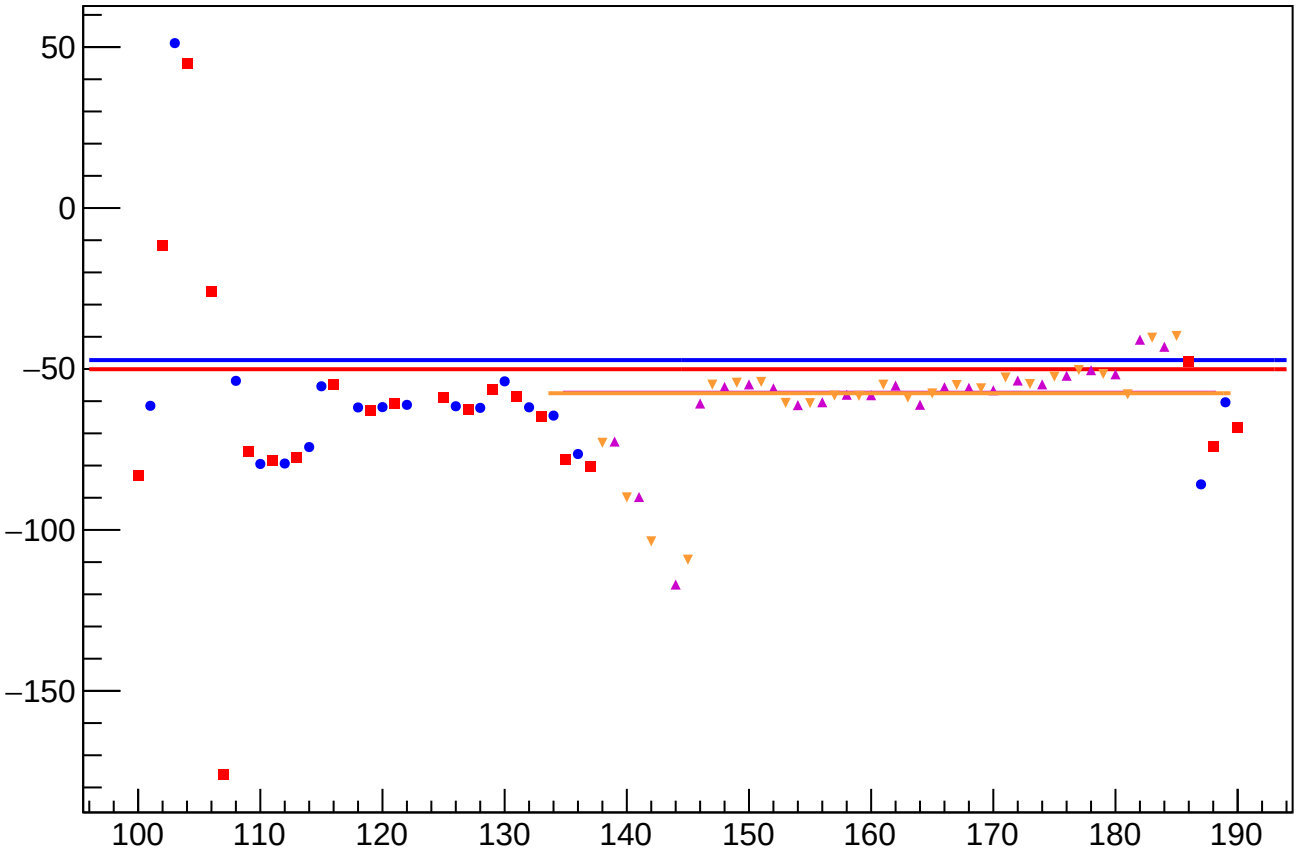
Right Out: -25.341+/-0.929 χ^2/NDF: 860.9/20

Left In: 2.050+/-0.551 χ^2/NDF:850.8/22

+ sign -3.773+/-0.476 χ^2/NDF: 2357.1/41

All: -4.429+/-0.336 χ^2/NDF: 4715.7/85

- sign -5.078+/-0.474 χ^2/NDF: 2354.8/43



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: -50.074+/-0.056 χ^2/NDF: 521592.4/20

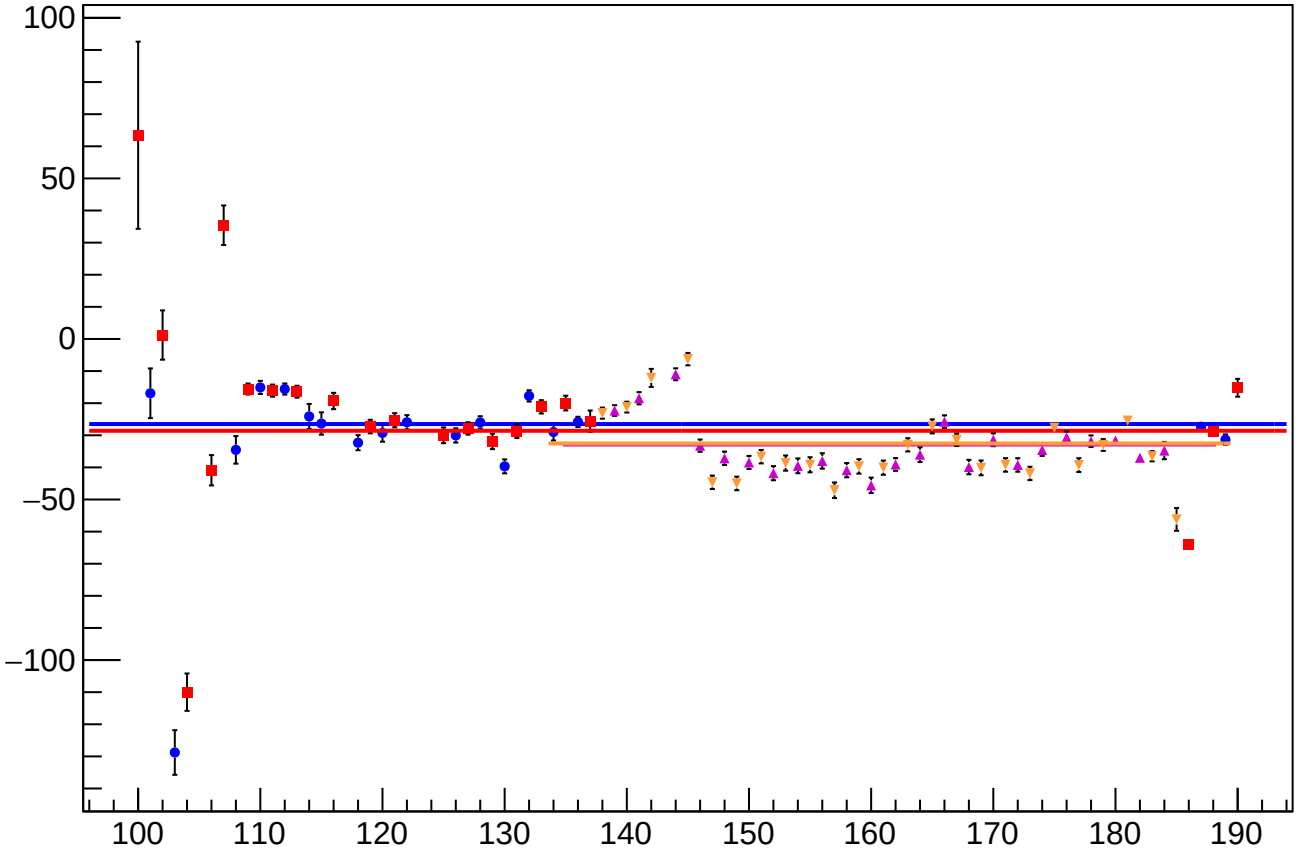
Left In: -57.377+/-0.025 χ^2/NDF:227136.8/22

+ sign -55.896+/-0.023 χ^2/NDF: 885443.1/41

All: -56.035+/-0.016 χ^2/NDF: 1648599.3/85

- sign -56.172+/-0.023 χ^2/NDF: 763081.9/43

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: -26.502+/-0.517 χ^2/NDF: 374.0/17

Left Out: -32.549+/-0.407 χ^2/NDF:603.6/23

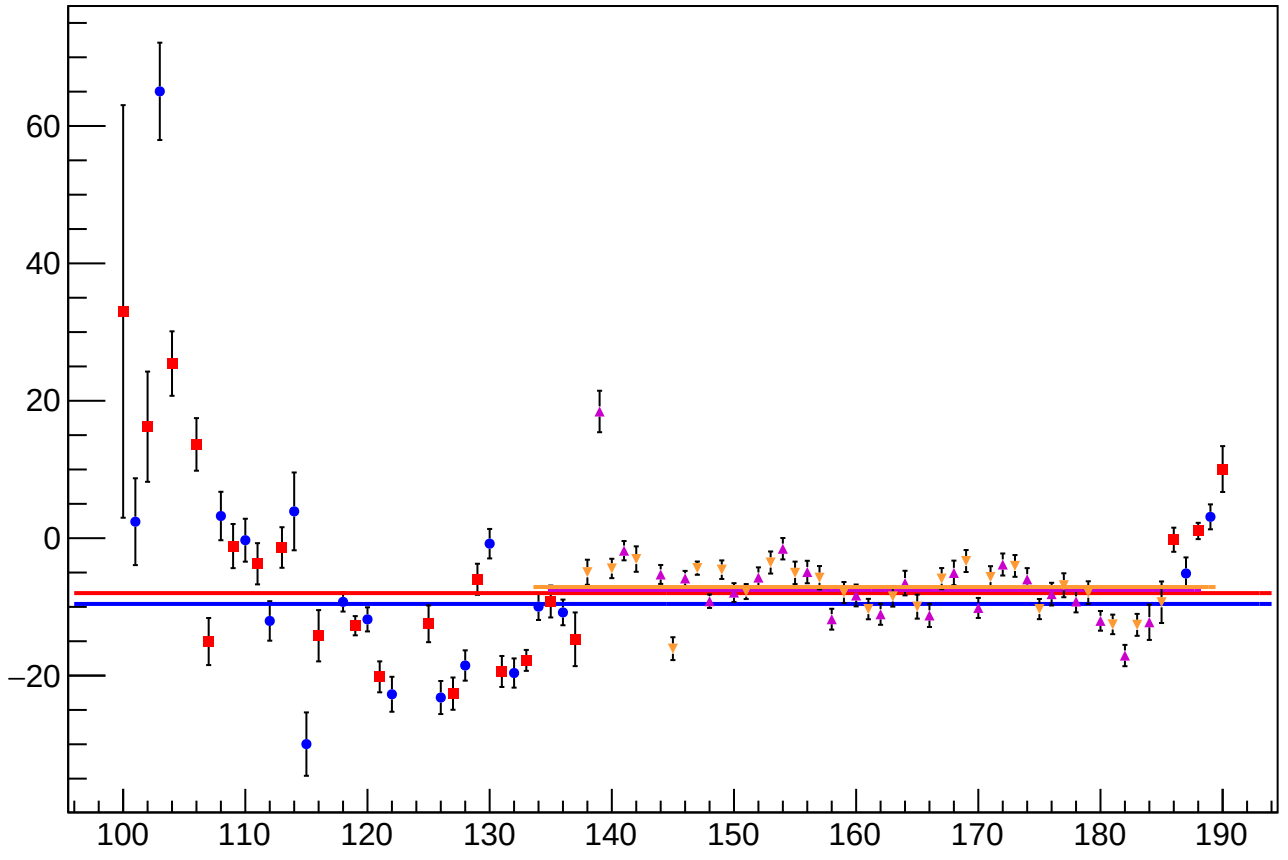
Right Out: -28.596+/-0.448 χ^2/NDF: 1173.1/20

Left In: -32.867+/-0.411 χ^2/NDF:373.2/22

+ sign -30.239+/-0.320 χ^2/NDF: 1062.1/41

All: -30.595+/-0.220 χ^2/NDF: 2660.0/85

- sign -30.915+/-0.303 χ^2/NDF: 1595.6/43



Right In: -9.572+/-0.554 χ^2/NDF: 331.2/17

Left Out: -7.110+/-0.309 χ^2/NDF:109.5/23

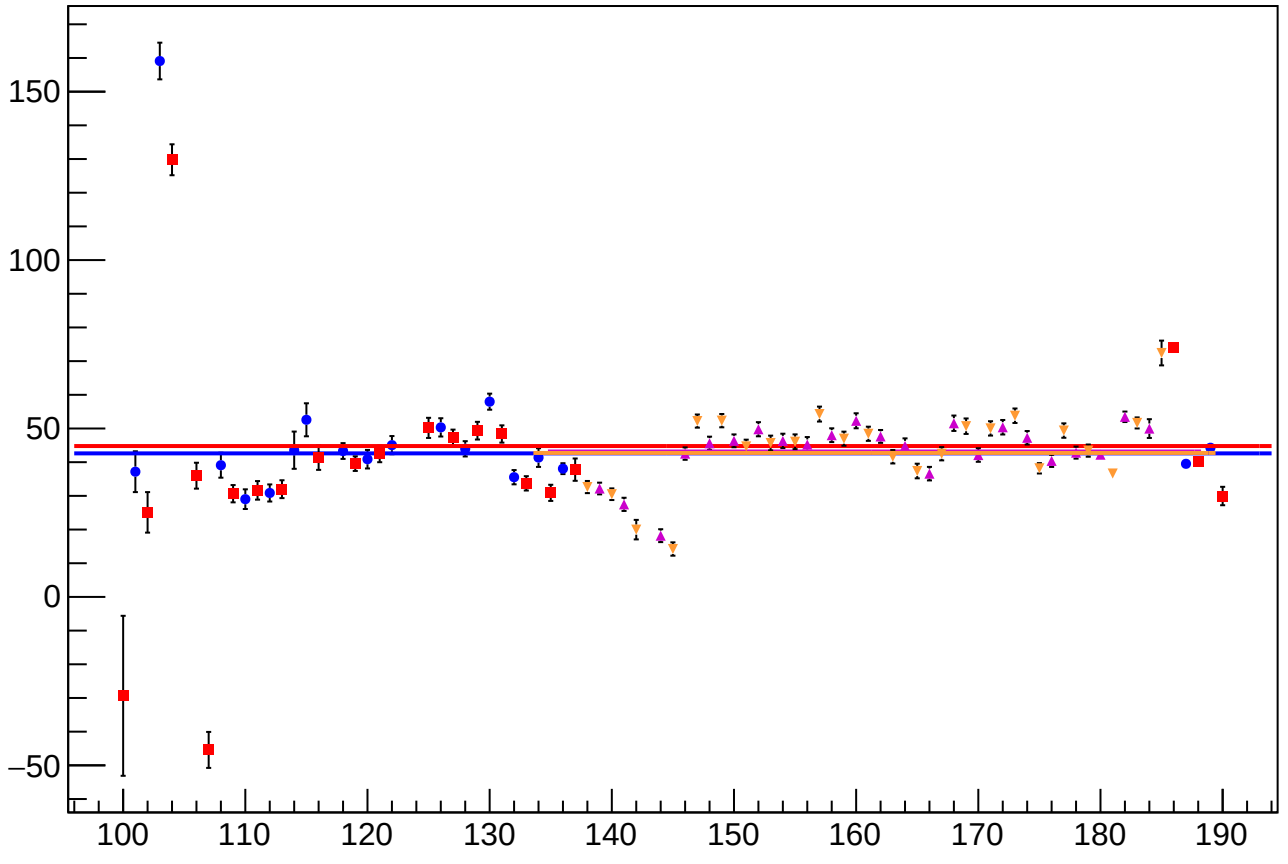
Right Out: -7.993+/-0.510 χ^2/NDF: 372.7/20

Left In: -7.547+/-0.315 χ^2/NDF:199.7/22

+ sign -7.695+/-0.270 χ^2/NDF: 455.7/41

All: -7.682+/-0.190 χ^2/NDF: 1028.7/85

- sign -7.670+/-0.268 χ^2/NDF: 573.0/43



Right In: 42.615+/-0.539 χ^2/NDF: 585.3/17

Left Out: 42.745+/-0.403 χ^2/NDF:631.5/23

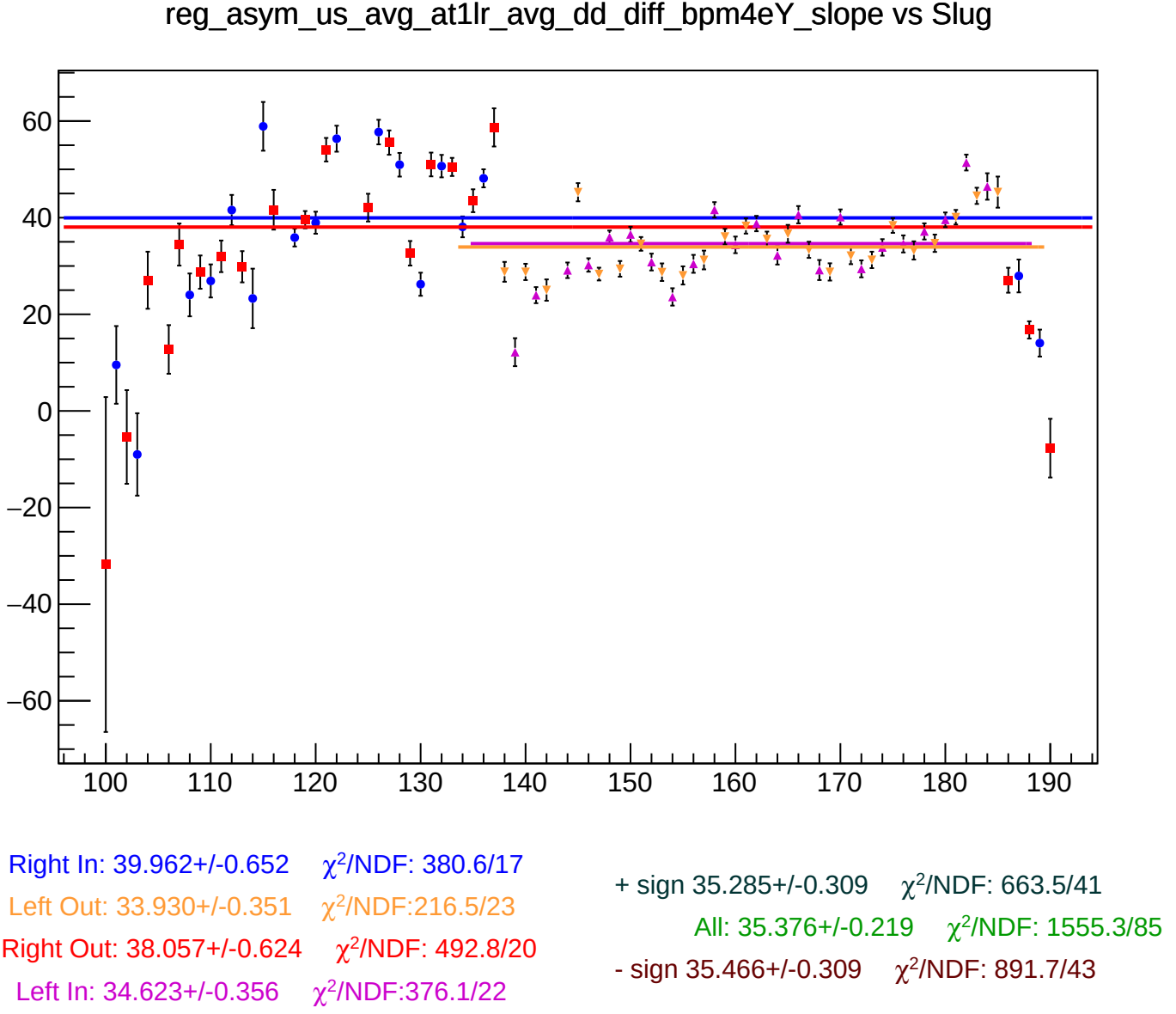
Right Out: 44.791+/-0.438 χ^2/NDF: 1560.9/20

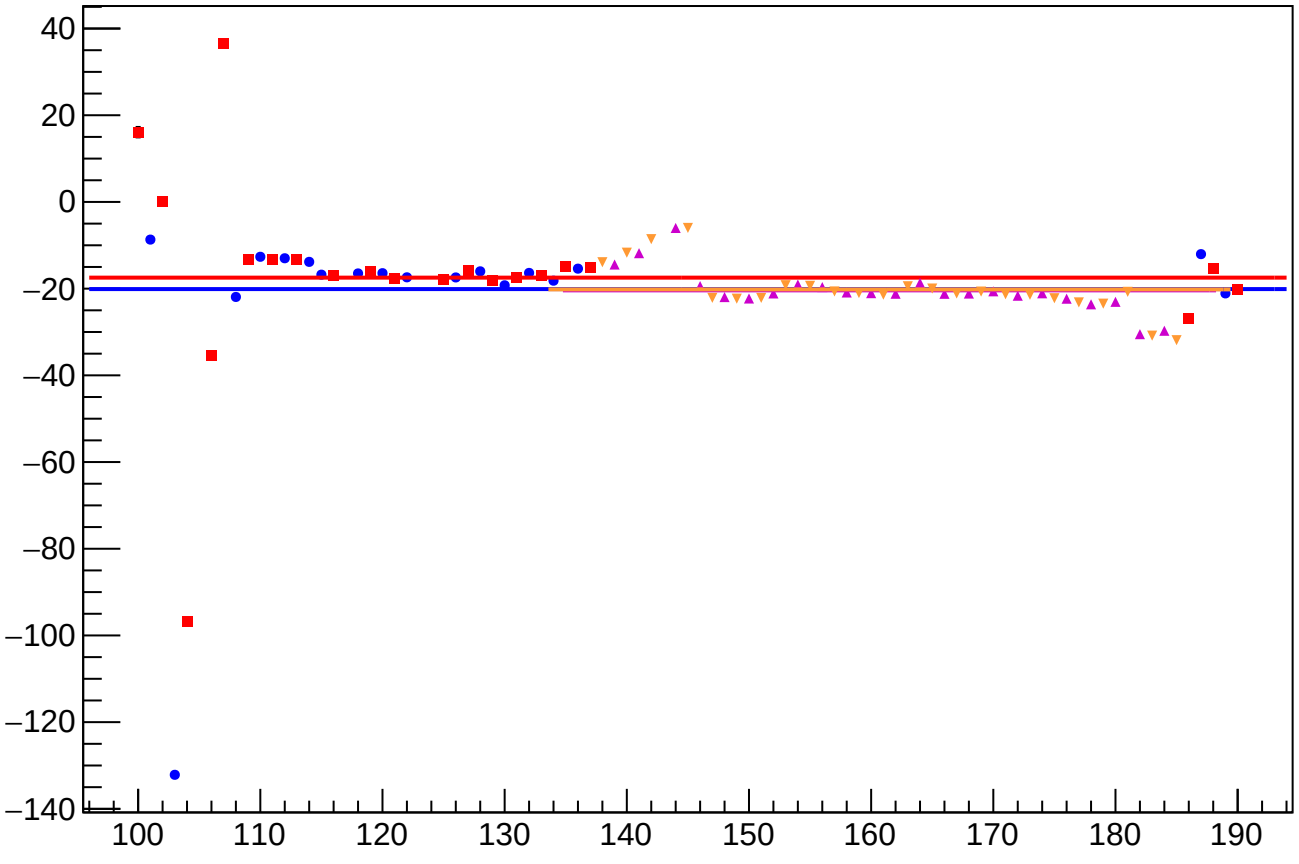
Left In: 43.169+/-0.407 χ^2/NDF:413.0/22

\+ sign 42.698+/-0.323 χ^2/NDF: 1216.8/41

All: 43.358+/-0.219 χ^2/NDF: 3205.8/85

\- sign 43.920+/-0.298 χ^2/NDF: 1981.2/43


reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug
60
40
20
0
−20
−40
−60
100
110
120
130
140
150
160
170
180
190
Right In: 39.962+/-0.652 χ²/NDF: 380.6/17
Left Out: 33.930+/-0.351 χ²/NDF:216.5/23
Right Out: 38.057+/-0.624 χ²/NDF: 492.8/20
Left In: 34.623+/-0.356 χ²/NDF:376.1/22
+ sign 35.285+/-0.309 χ²/NDF: 663.5/41
All: 35.376+/-0.219 χ²/NDF: 1555.3/85
- sign 35.466+/-0.309 χ²/NDF: 891.7/43



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: -17.462+/-0.038 χ^2/NDF: 207920.7/20

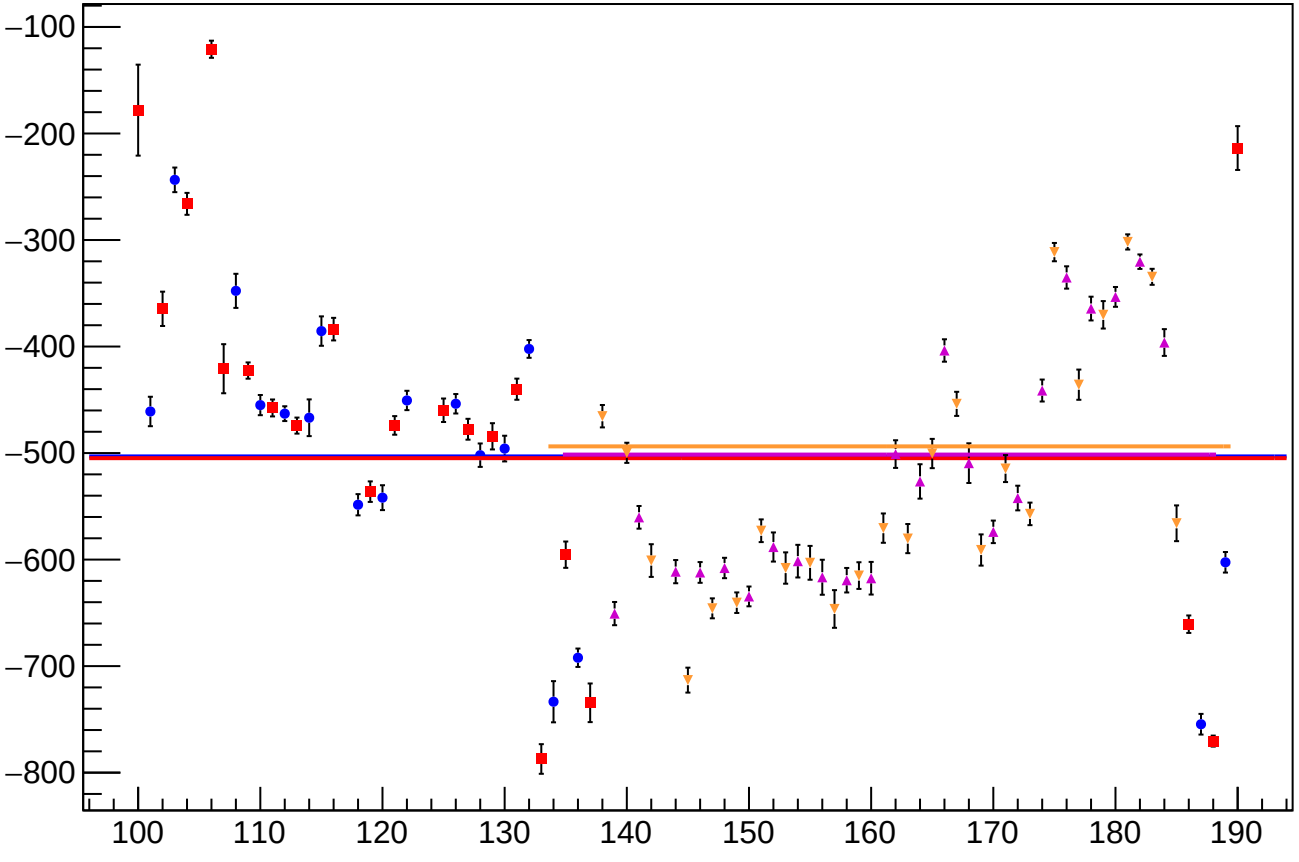
Left In: -20.396+/-0.016 χ^2/NDF:81154.4/22

+ sign -20.164+/-0.015 χ^2/NDF: 347521.1/41

All: -20.067+/-0.010 χ^2/NDF: 641696.1/85

- sign -19.971+/-0.015 χ^2/NDF: 294087.6/43

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

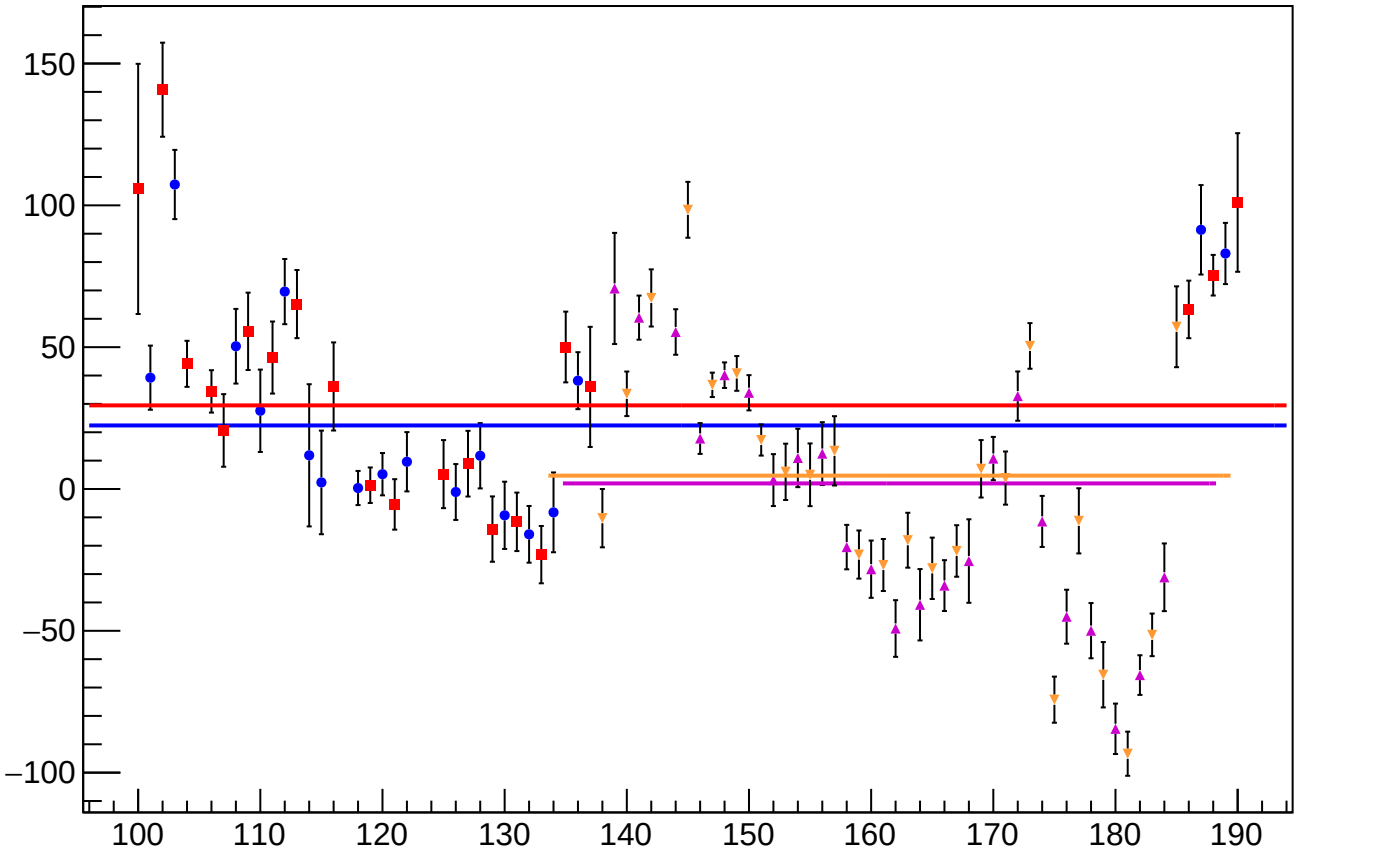
Right Out: -504.792+/-2.135 χ^2/NDF: 7184.3/20

Left In: -501.425+/-2.306 χ^2/NDF:2689.3/22

\+ sign -498.113+/-1.677 χ^2/NDF: 5542.1/41

All: -500.851+/-1.145 χ^2/NDF: 15421.8/85

\- sign -503.239+/-1.567 χ^2/NDF: 9874.8/43



Right In: 22.401+/-2.544 χ^2/NDF: 180.1/17

Left Out: 4.709+/-1.696 χ^2/NDF:680.3/23

Right Out: 29.477+/-2.326 χ^2/NDF: 230.5/20

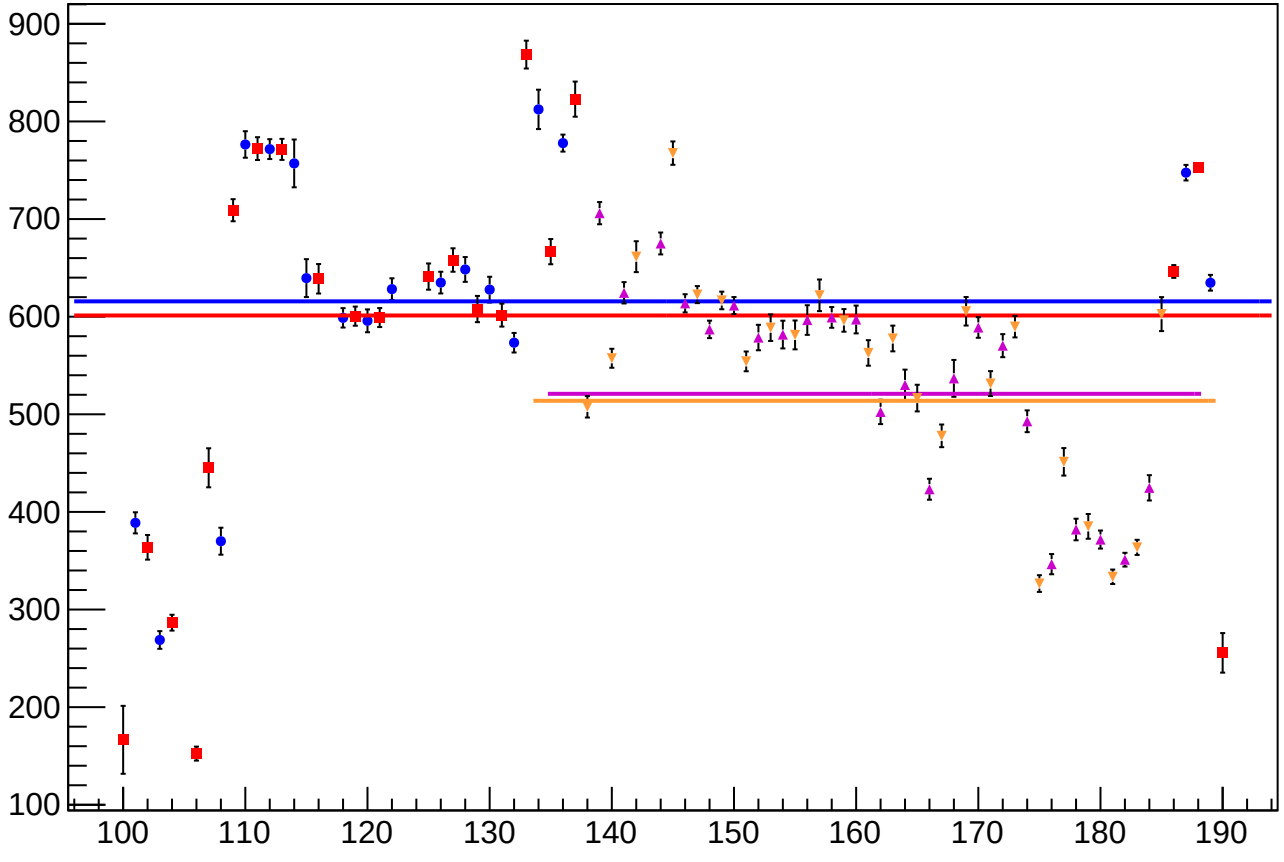
Left In: 1.970+/-1.722 χ^2/NDF:560.8/22

\+ sign 10.152+/-1.411 χ^2/NDF: 893.9/41

All: 10.946+/-0.988 χ^2/NDF: 1776.2/85

\- sign 11.710+/-1.384 χ^2/NDF: 881.6/43

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

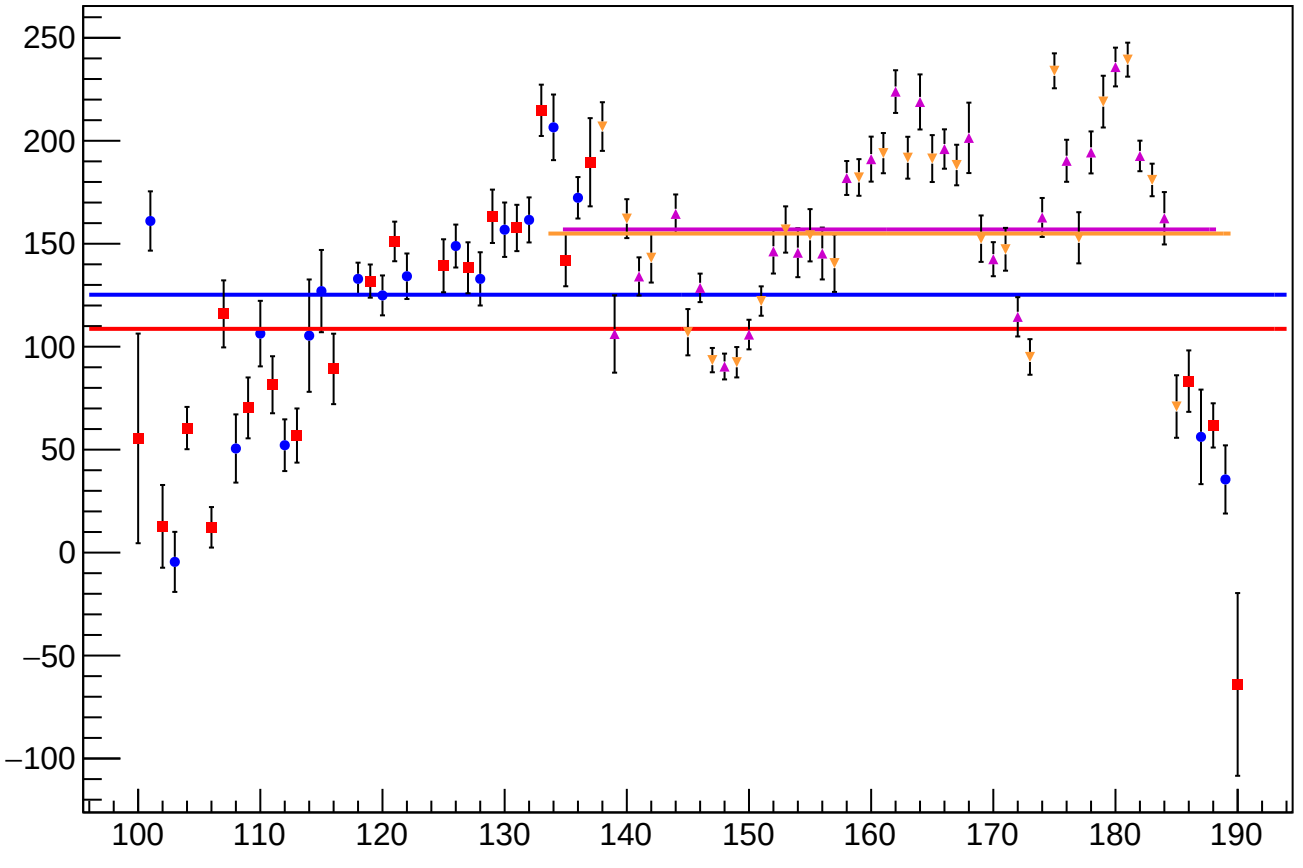
Right Out: 601.227+/-2.149 χ^2/NDF: 8786.1/20

Left In: 520.990+/-2.283 χ^2/NDF:2442.8/22

+ sign 557.994+/-1.714 χ^2/NDF: 6989.8/41

All: 561.017+/-1.156 χ^2/NDF: 18879.2/85

- sign 563.539+/-1.565 χ^2/NDF: 11883.7/43



Right In: 125.237+/-3.003 χ^2/NDF: 251.6/17

Left Out: 154.944+/-1.953 χ^2/NDF:609.0/23

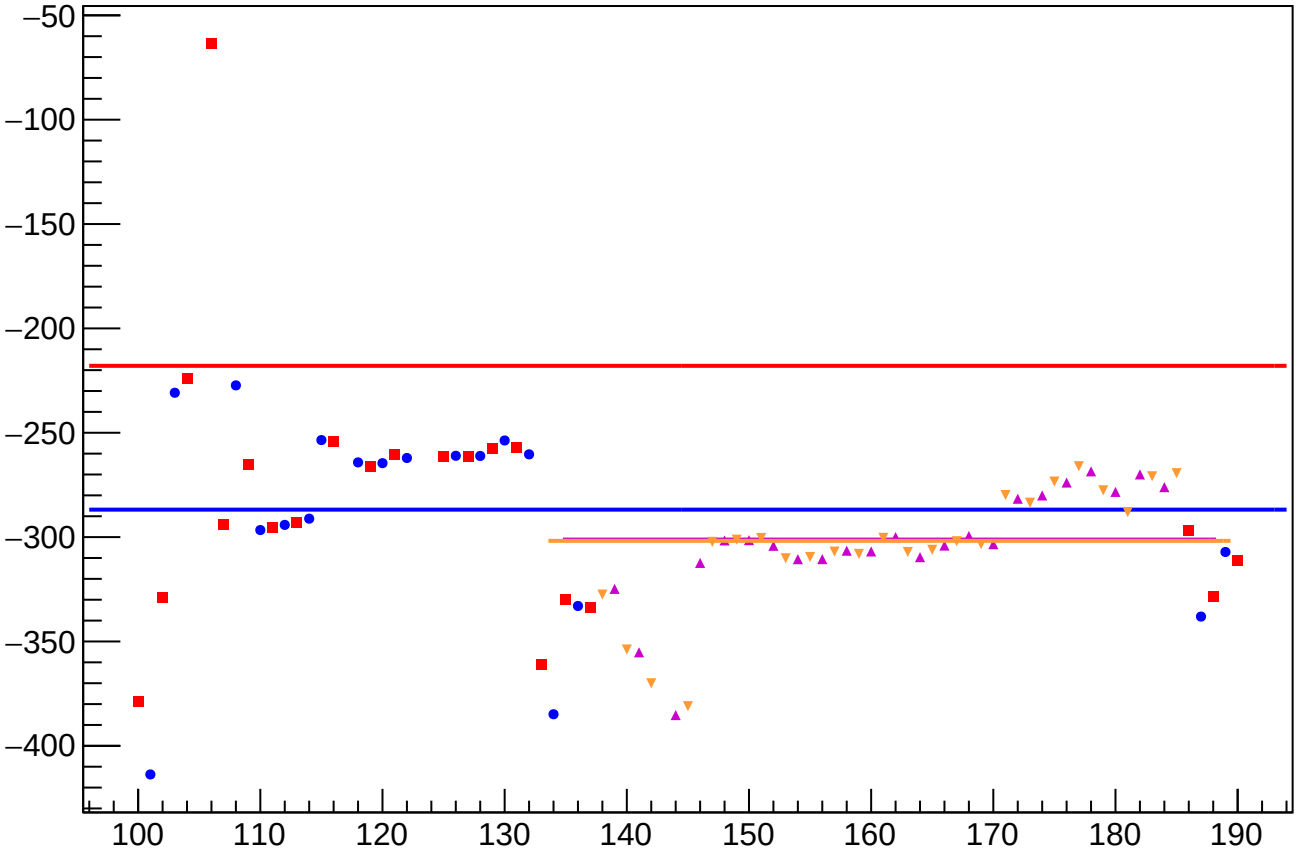
Right Out: 108.664+/-2.811 χ^2/NDF: 376.3/20

Left In: 156.934+/-1.971 χ^2/NDF:443.2/22

+ sign 146.112+/-1.637 χ^2/NDF: 929.4/41

All: 143.531+/-1.149 χ^2/NDF: 1951.5/85

- sign 141.022+/-1.614 χ^2/NDF: 1017.2/43



Right In: -286.834+/-0.171 χ^2/NDF: 106806.1/17

Left Out: -301.785+/-0.091 χ^2/NDF:86719.4/23

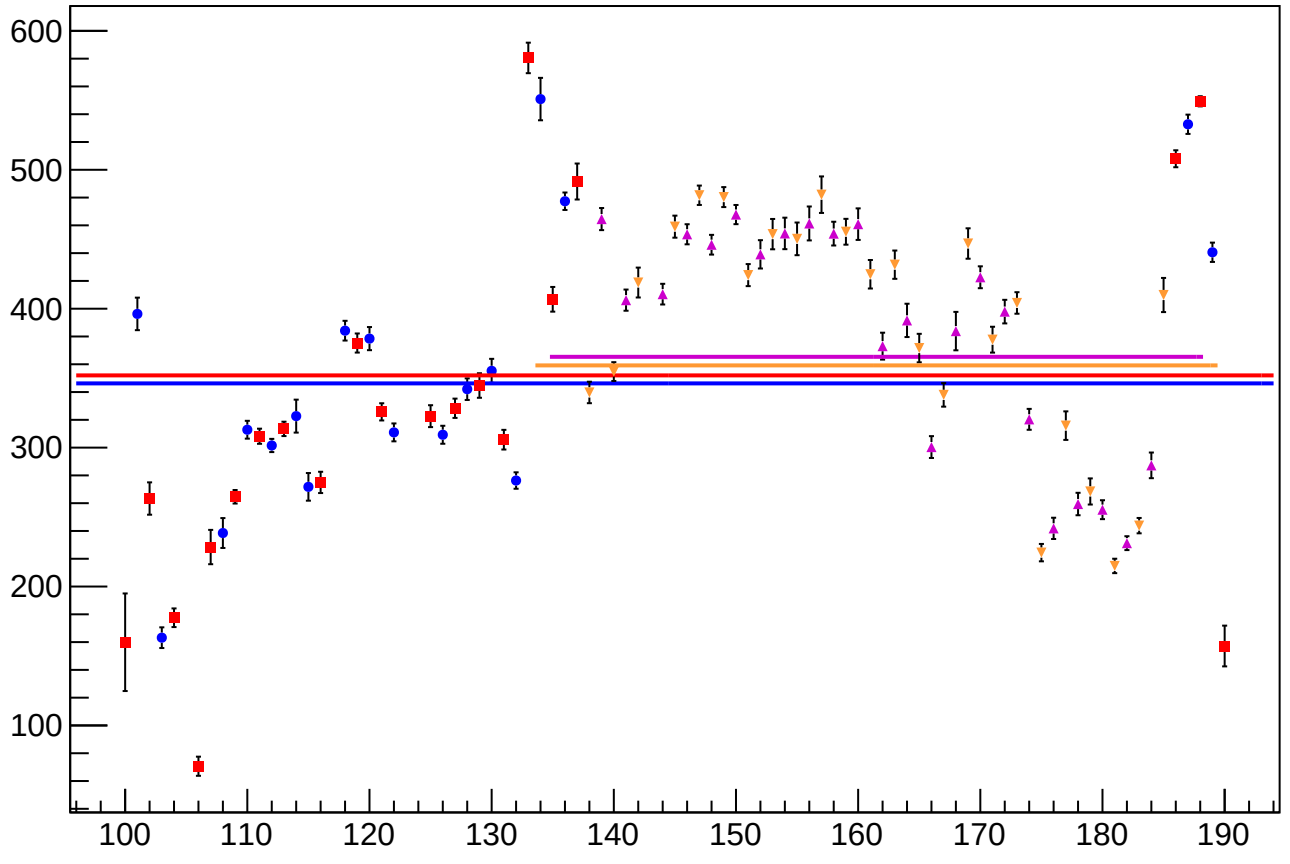
Right Out: -217.930+/-0.142 χ^2/NDF: 588420.5/20

Left In: -301.176+/-0.090 χ^2/NDF:75325.3/22

+ sign -298.511+/-0.080 χ^2/NDF: 199465.3/41

All: -287.345+/-0.055 χ^2/NDF: 1145058.4/85

- sign -277.317+/-0.076 χ^2/NDF: 908833.3/43



Right In: 346.236+/-1.737 χ^2/NDF: 2667.7/17

Left Out: 359.188+/-1.681 χ^2/NDF:3187.9/23

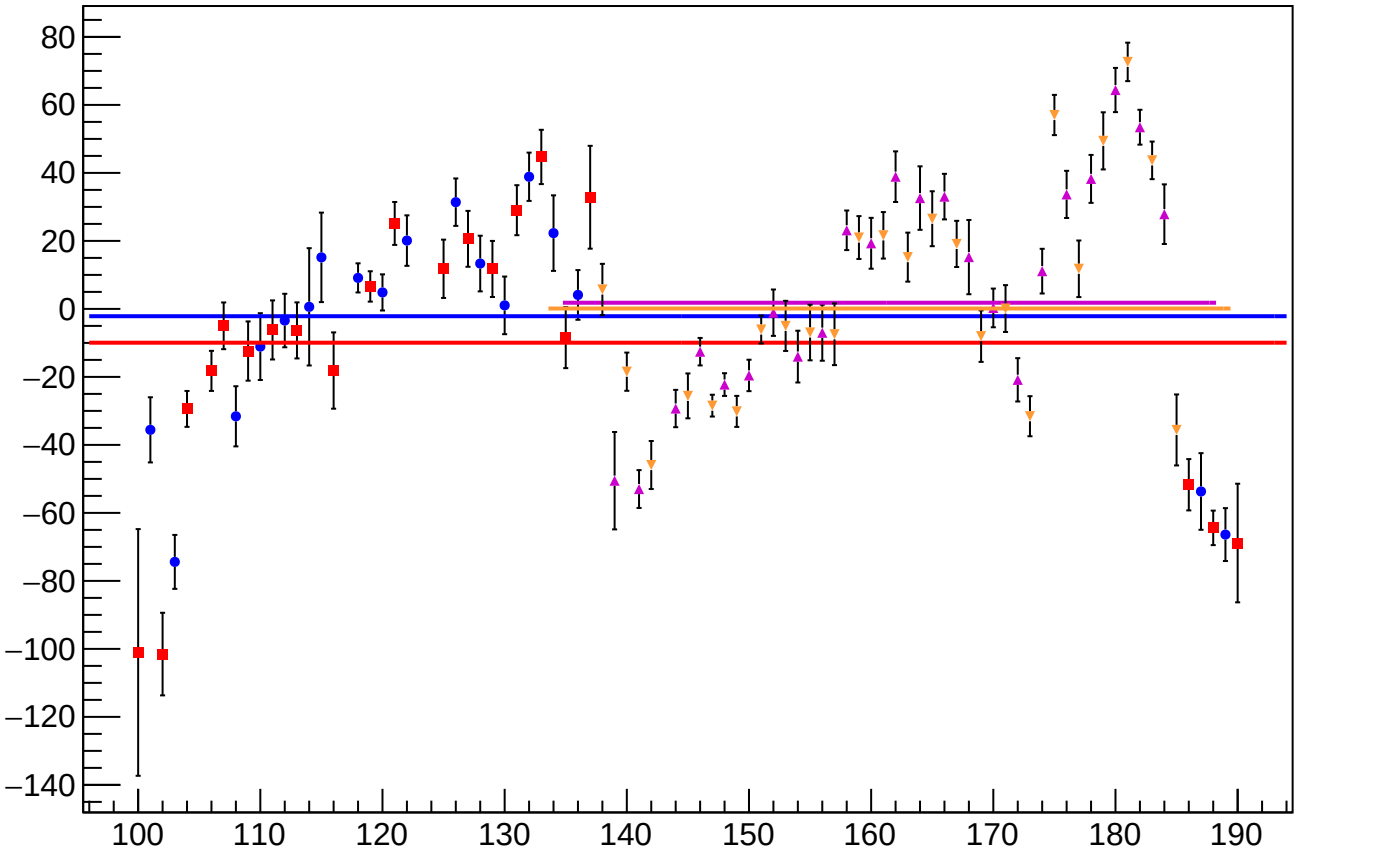
Right Out: 351.993+/-1.509 χ^2/NDF: 7513.8/20

Left In: 365.362+/-1.692 χ^2/NDF:2739.5/22

+ sign 352.922+/-1.208 χ^2/NDF: 5884.3/41

All: 355.593+/-0.824 χ^2/NDF: 16181.5/85

- sign 357.916+/-1.126 χ^2/NDF: 10288.0/43



Right In: -2.151+/-1.815 χ^2/NDF: 281.3/17

Left Out: 0.114+/-1.247 χ^2/NDF:637.9/23

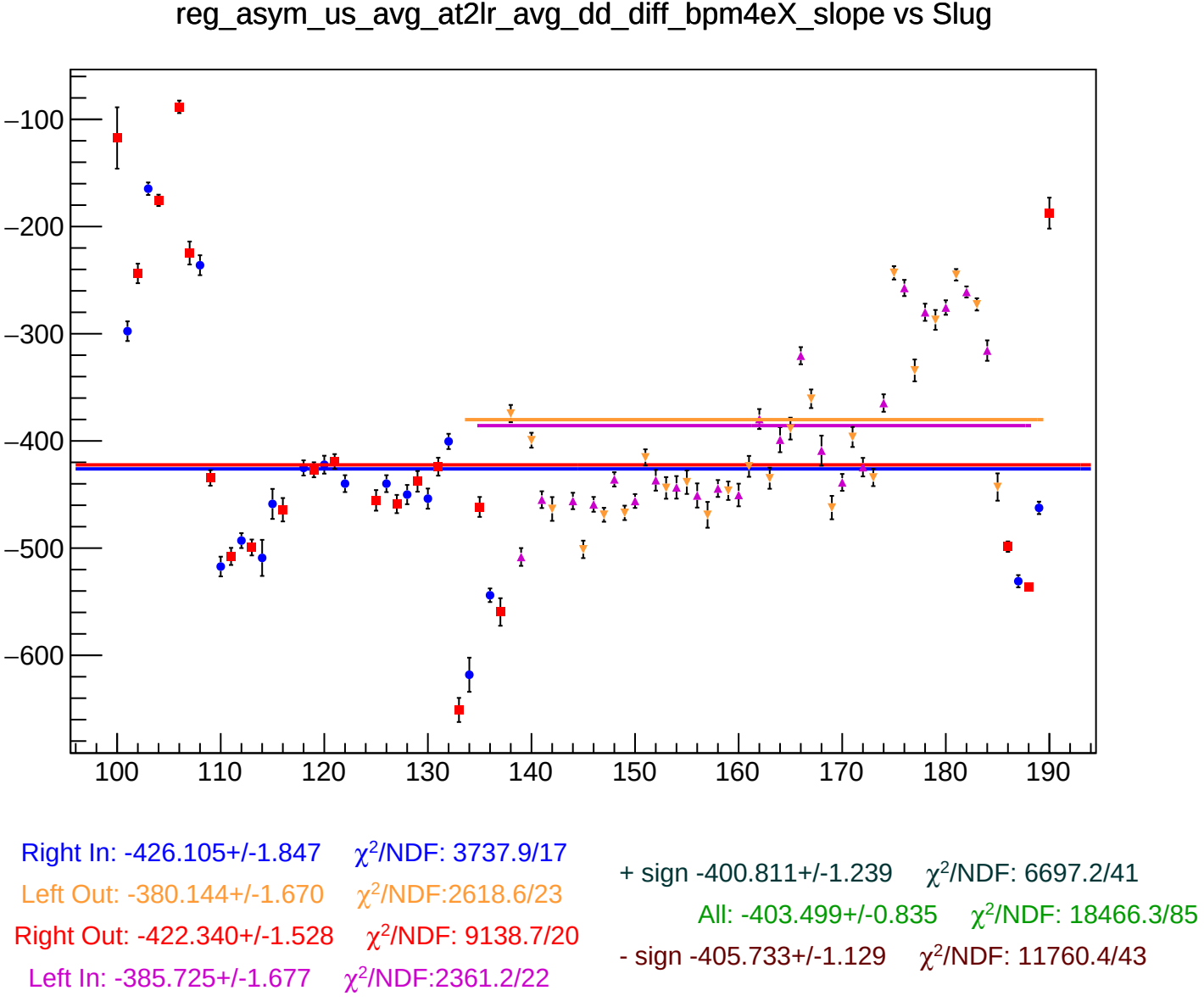
Right Out: -9.941+/-1.641 χ^2/NDF: 392.2/20

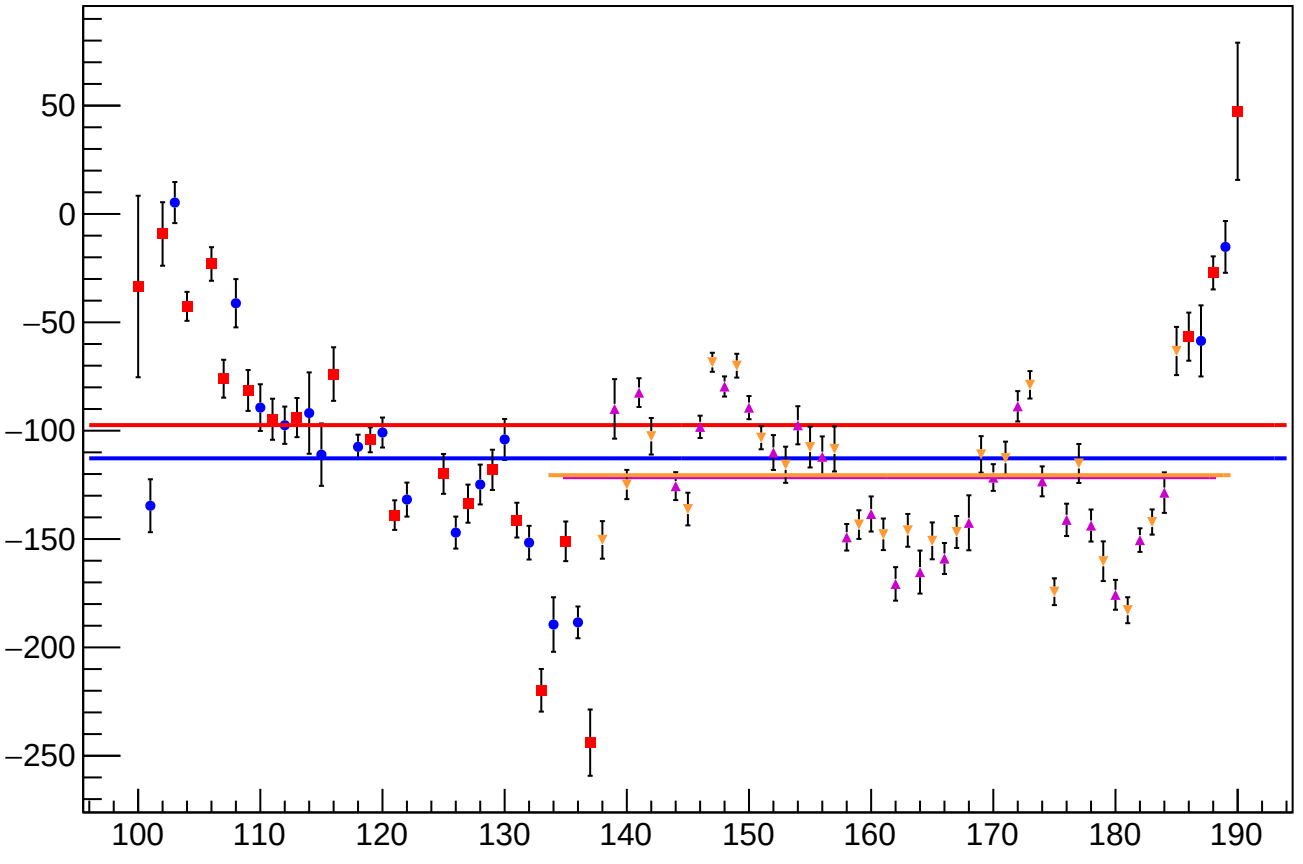
Left In: 1.812+/-1.267 χ^2/NDF:577.0/22

\+ sign -0.612+/-1.028 χ^2/NDF: 920.3/41

All: -1.619+/-0.718 χ^2/NDF: 1923.5/85

\- sign -2.577+/-1.003 χ^2/NDF: 1001.3/43


reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs Slug
−100
−200
−300
−400
−500
−600
100
110
120
130
140
150
160
170
180
190
Right In: -426.105+/-1.847 χ²/NDF: 3737.9/17
Left Out: -380.144+/-1.670 χ²/NDF:2618.6/23
Right Out: -422.340+/-1.528 χ²/NDF: 9138.7/20
Left In: -385.725+/-1.677 χ²/NDF:2361.2/22
+ sign -400.811+/-1.239 χ²/NDF: 6697.2/41
All: -403.499+/-0.835 χ²/NDF: 18466.3/85
- sign -405.733+/-1.129 χ²/NDF: 11760.4/43



Right In: -112.758+/-2.140 χ^2/NDF: 489.2/17

Left Out: -120.541+/-1.435 χ^2/NDF:611.5/23

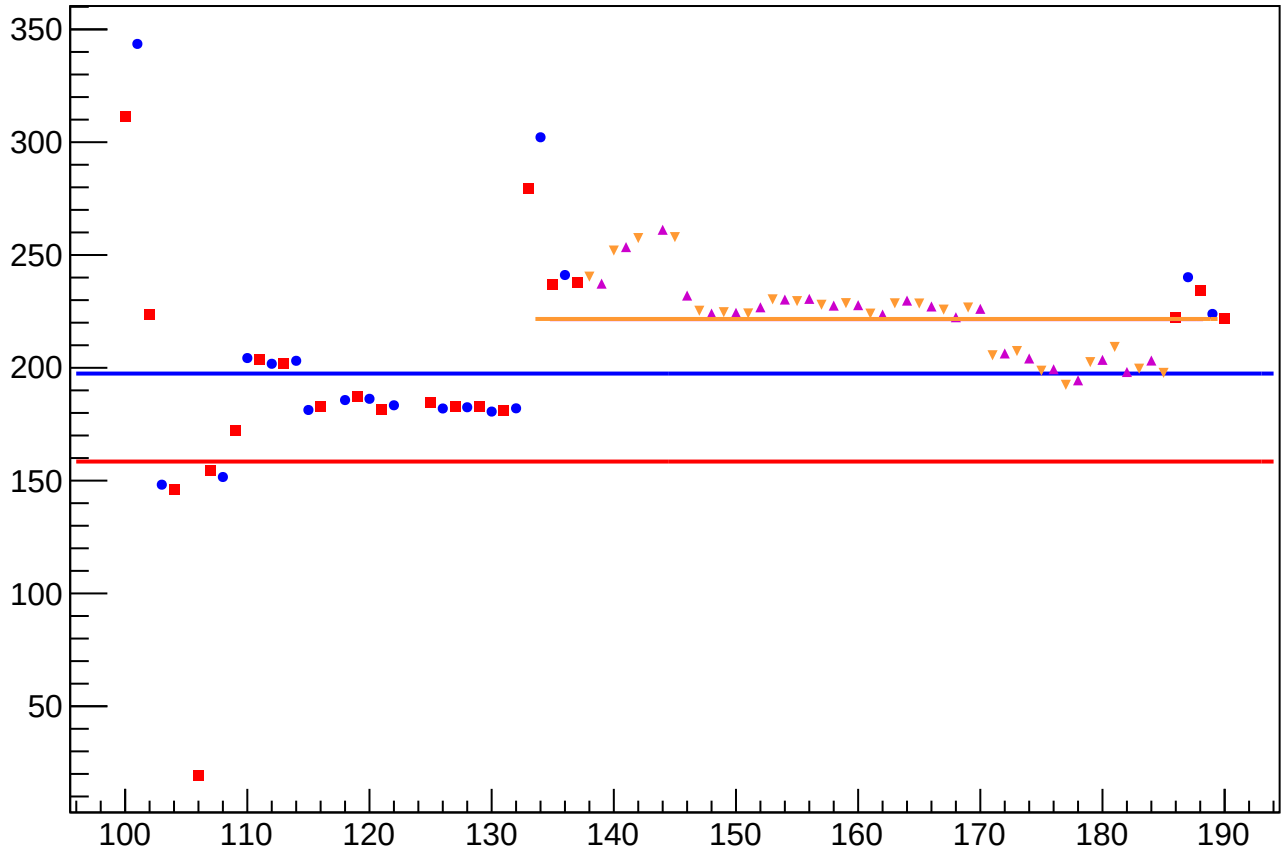
Right Out: -97.420+/-1.980 χ^2/NDF: 706.7/20

Left In: -121.453+/-1.450 χ^2/NDF:432.6/22

+ sign -118.126+/-1.192 χ^2/NDF: 1109.9/41

All: -115.548+/-0.835 χ^2/NDF: 2354.3/85

- sign -113.066+/-1.170 χ^2/NDF: 1235.3/43



Right In: 197.451+/-0.121 χ^2/NDF: 181665.0/17

Left Out: 221.652+/-0.067 χ^2/NDF:67213.0/23

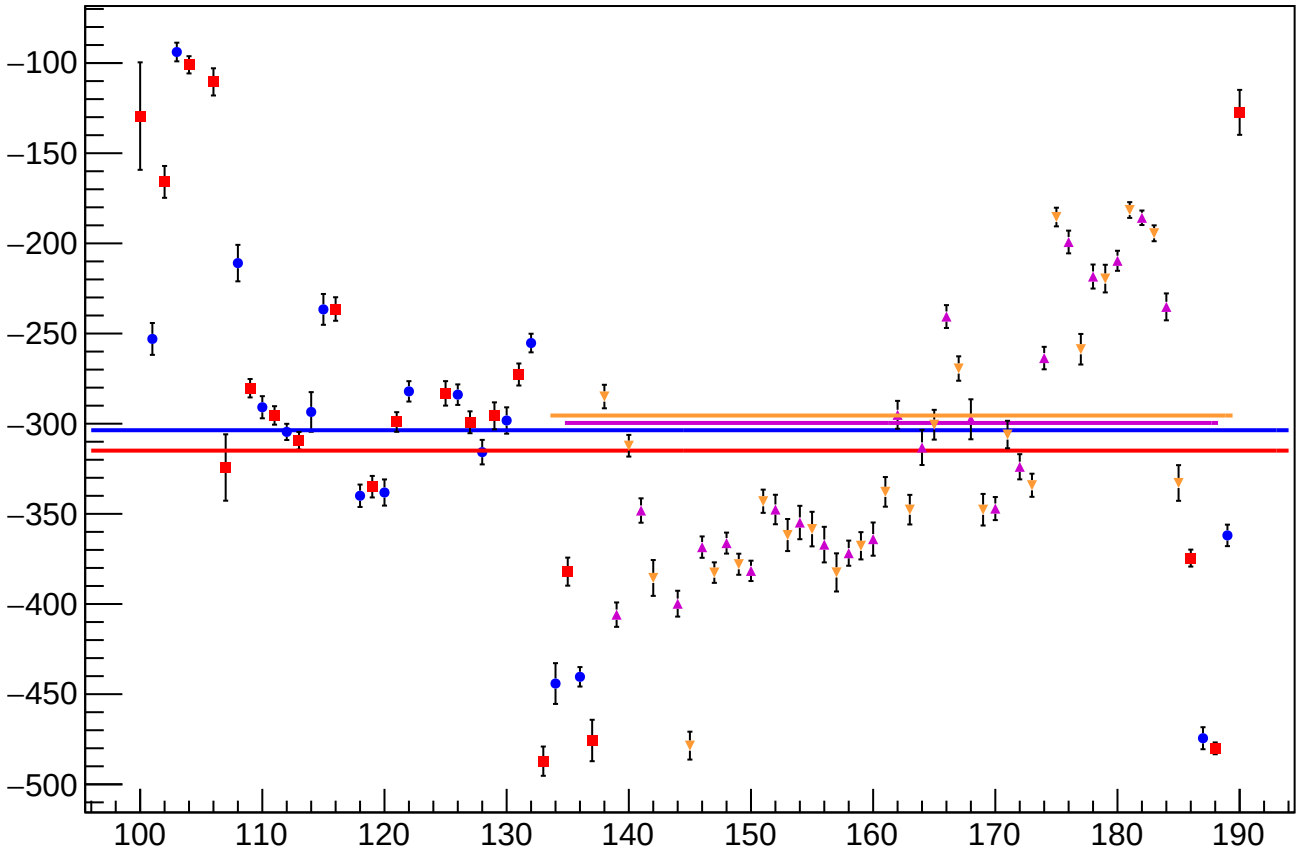
Right Out: 158.453+/-0.105 χ^2/NDF: 548995.2/20

Left In: 221.574+/-0.066 χ^2/NDF:62122.0/22

+ sign 215.986+/-0.058 χ^2/NDF: 279719.9/41

All: 209.526+/-0.040 χ^2/NDF: 1173451.0/85

- sign 203.580+/-0.056 χ^2/NDF: 870194.3/43



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: -314.934+/-1.336 χ^2/NDF: 7016.9/20

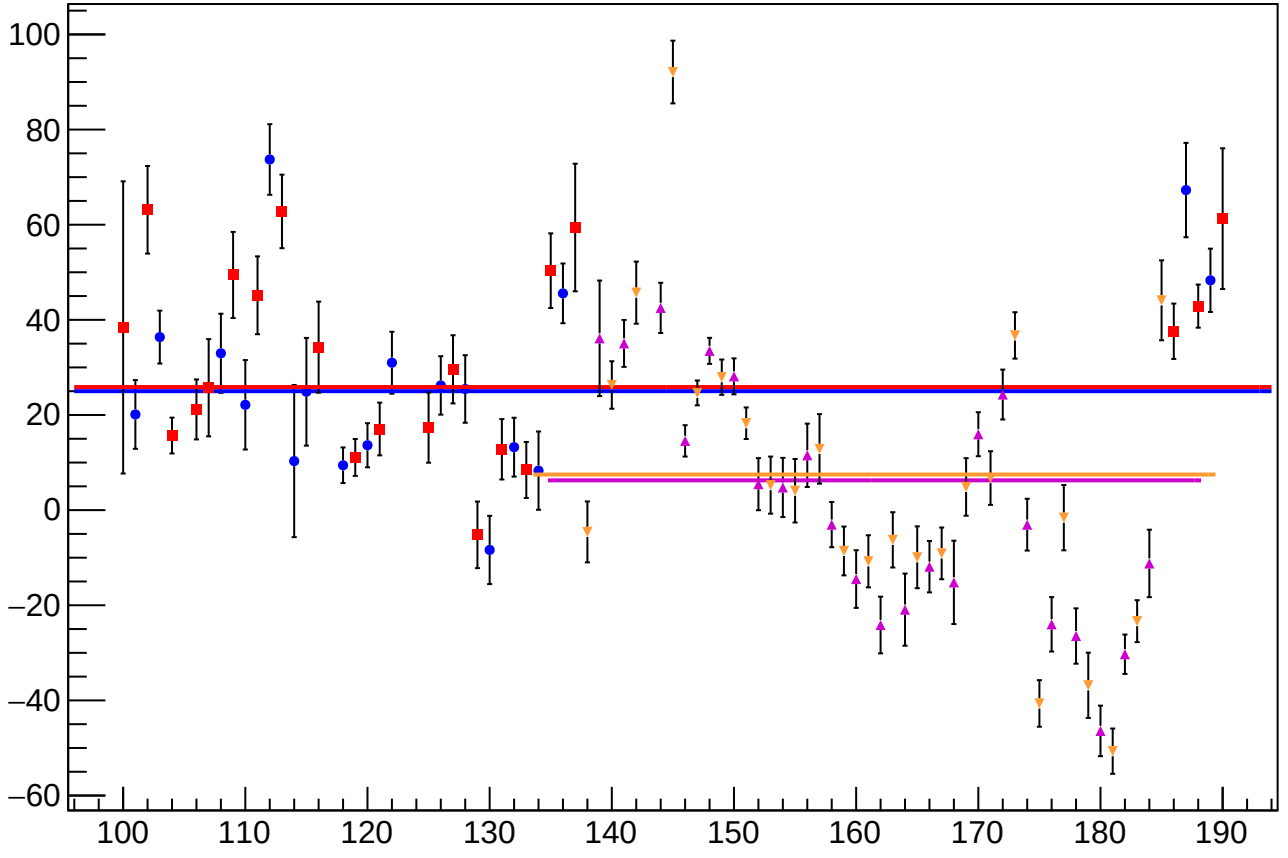
Left In: -299.588+/-1.397 χ^2/NDF:2971.7/22

+ sign -299.222+/-1.023 χ^2/NDF: 7037.1/41

All: -303.653+/-0.702 χ^2/NDF: 17124.2/85

- sign -307.601+/-0.966 χ^2/NDF: 10051.7/43

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

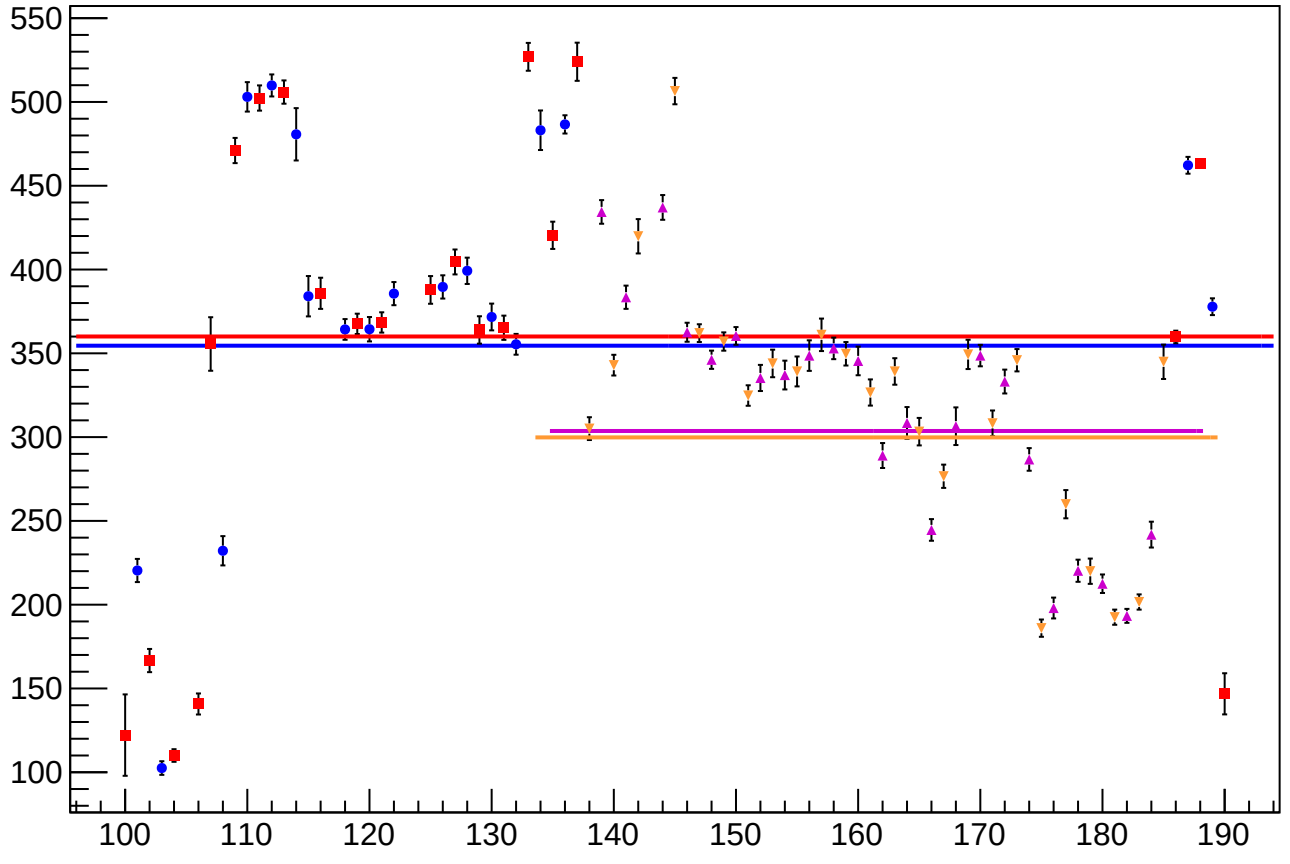
Right Out: 25.873+/-1.431 χ^2/NDF: 151.6/20

Left In: 6.259+/-1.045 χ^2/NDF:559.4/22

+ sign 12.823+/-0.858 χ^2/NDF: 970.9/41

All: 12.955+/-0.602 χ^2/NDF: 1804.6/85

- sign 13.083+/-0.844 χ^2/NDF: 833.6/43



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: 360.047+/-1.325 χ^2/NDF: 10075.7/20

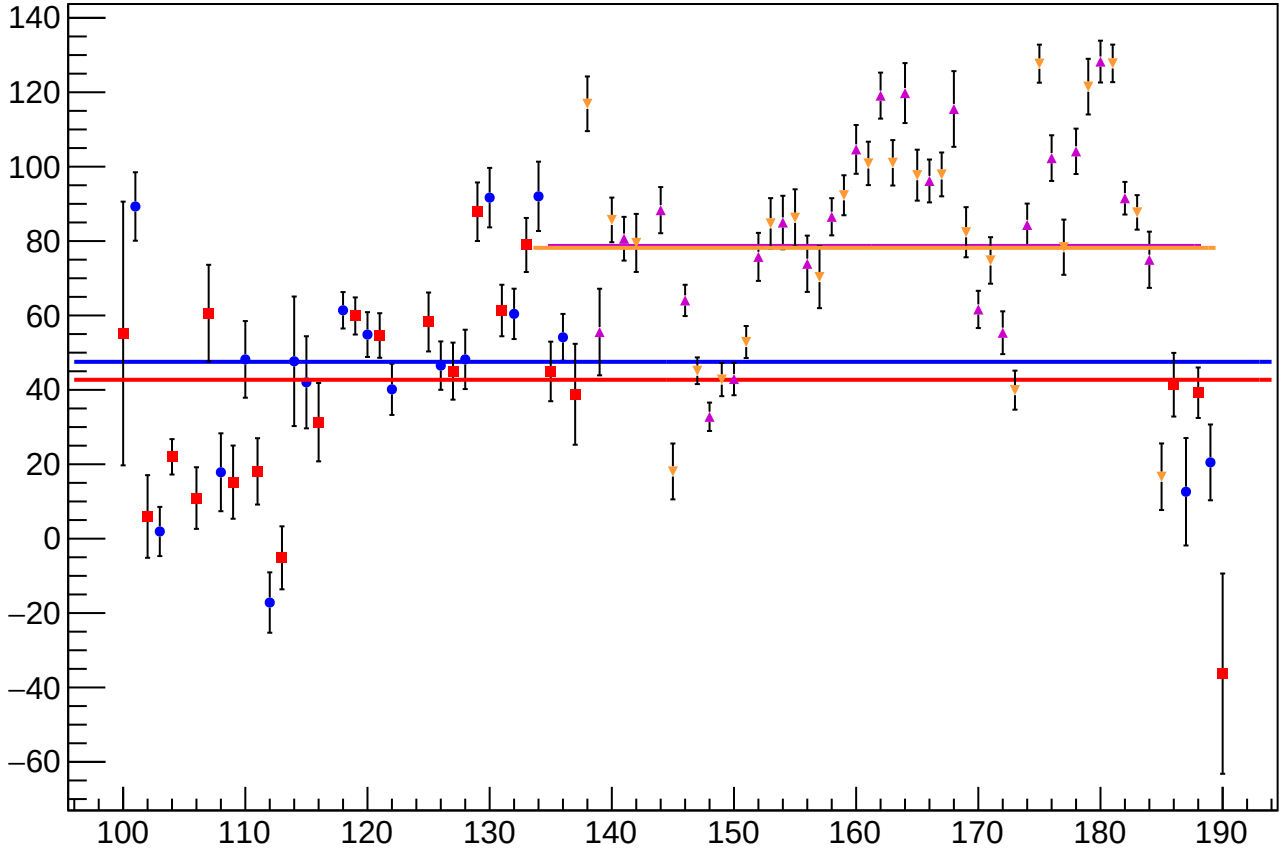
Left In: 303.652+/-1.383 χ^2/NDF:2872.6/22

+ sign 323.733+/-1.036 χ^2/NDF: 10369.8/41

All: 328.769+/-0.703 χ^2/NDF: 24229.4/85

- sign 333.059+/-0.956 χ^2/NDF: 13815.9/43

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

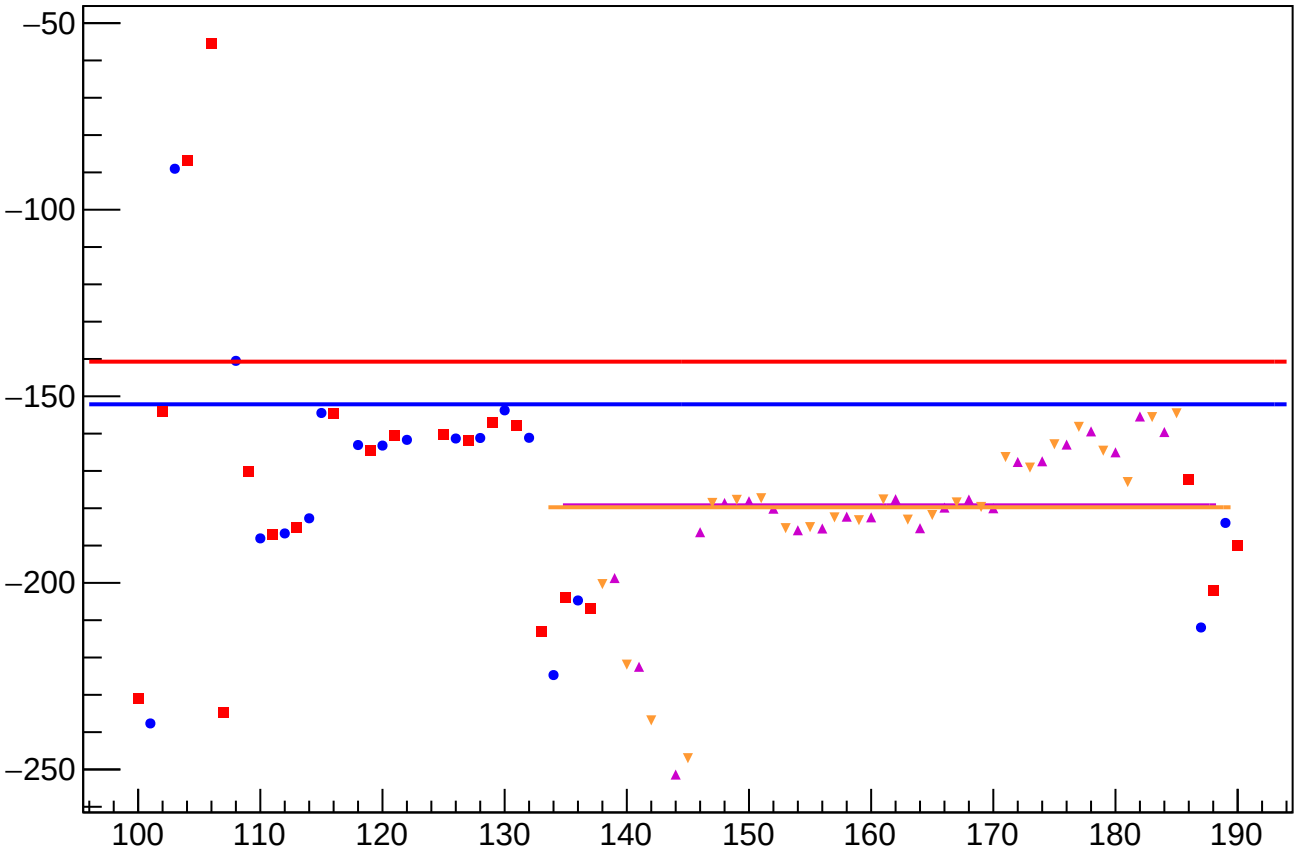
Right Out: 42.710+/-1.730 χ^2/NDF: 189.0/20

Left In: 78.689+/-1.195 χ^2/NDF:488.6/22

+ sign 69.175+/-0.995 χ^2/NDF: 1081.5/41

All: 68.109+/-0.699 χ^2/NDF: 2054.2/85

- sign 67.069+/-0.983 χ^2/NDF: 970.4/43



Right In: -152.146+/-0.098 χ^2/NDF: 267304.5/17

Left Out: -179.738+/-0.055 χ^2/NDF:132199.5/23

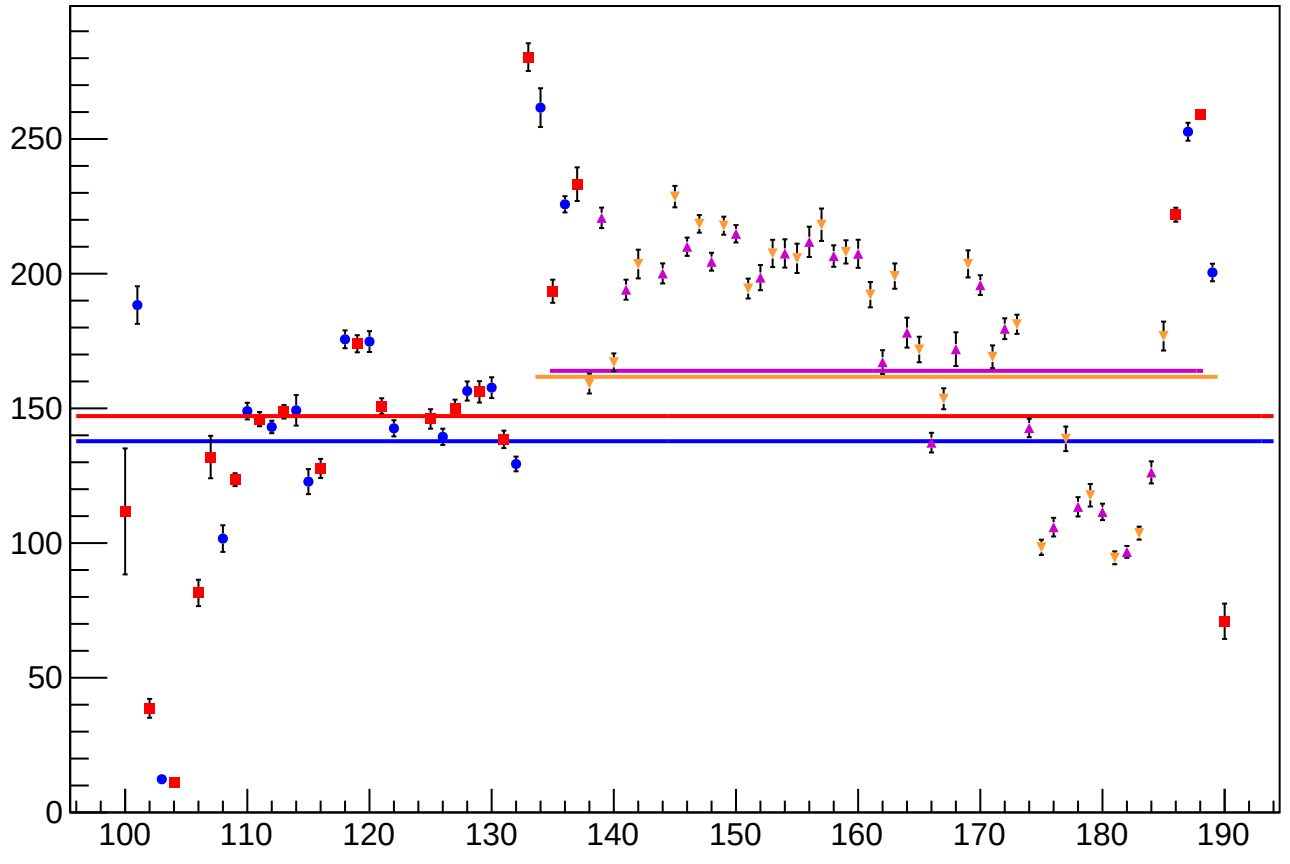
Right Out: -140.717+/-0.092 χ^2/NDF: 352391.6/20

Left In: -179.219+/-0.055 χ^2/NDF:113522.5/22

+ sign -173.107+/-0.048 χ^2/NDF: 459995.4/41

All: -171.115+/-0.034 χ^2/NDF: 1058972.9/85

- sign -169.209+/-0.047 χ^2/NDF: 595599.9/43



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: 147.134+/-0.680 χ^2/NDF: 12905.1/20

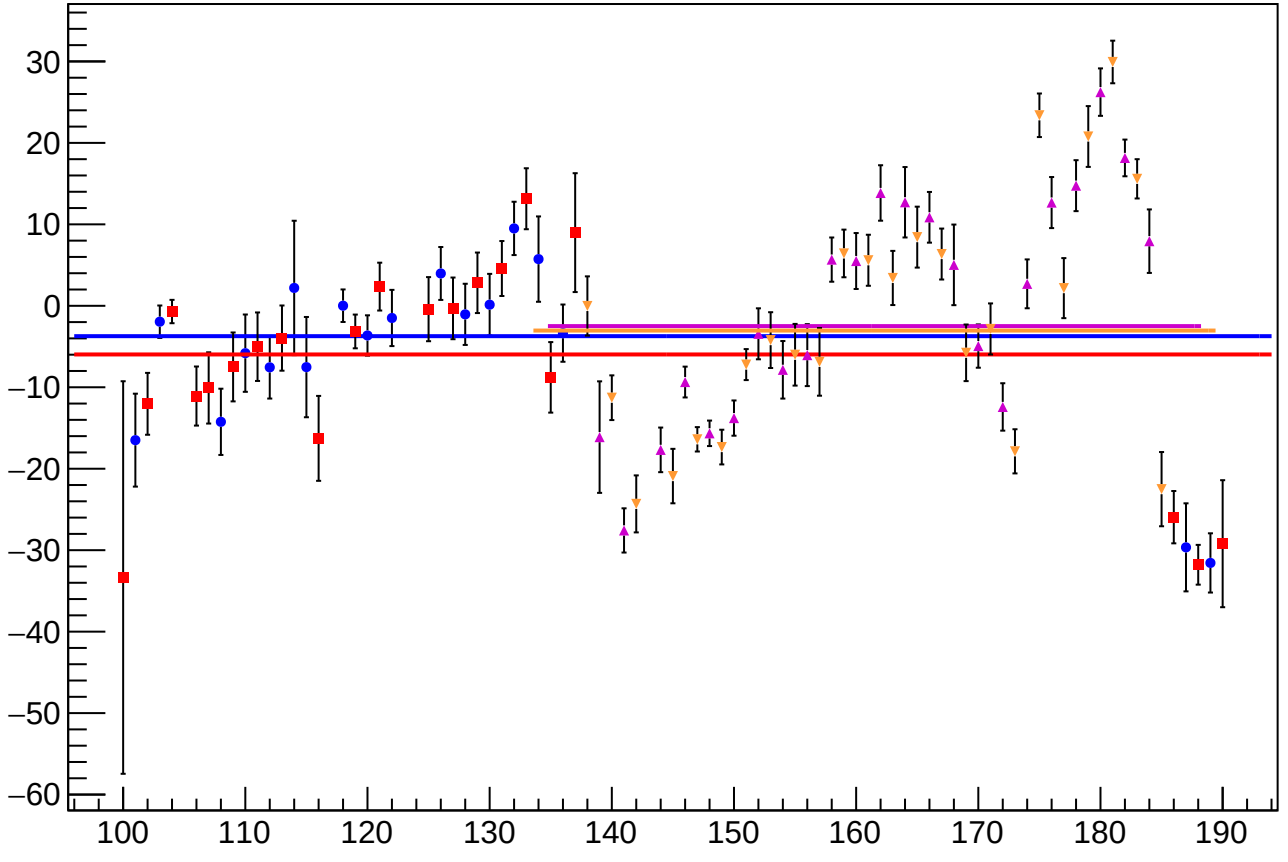
Left In: 163.927+/-0.779 χ^2/NDF:3335.5/22

+ sign 149.597+/-0.545 χ^2/NDF: 11968.9/41

All: 152.144+/-0.373 χ^2/NDF: 28514.3/85

- sign 154.394+/-0.512 χ^2/NDF: 16504.2/43

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs Slug



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: -5.972+/-0.713 χ^2/NDF: 244.2/20

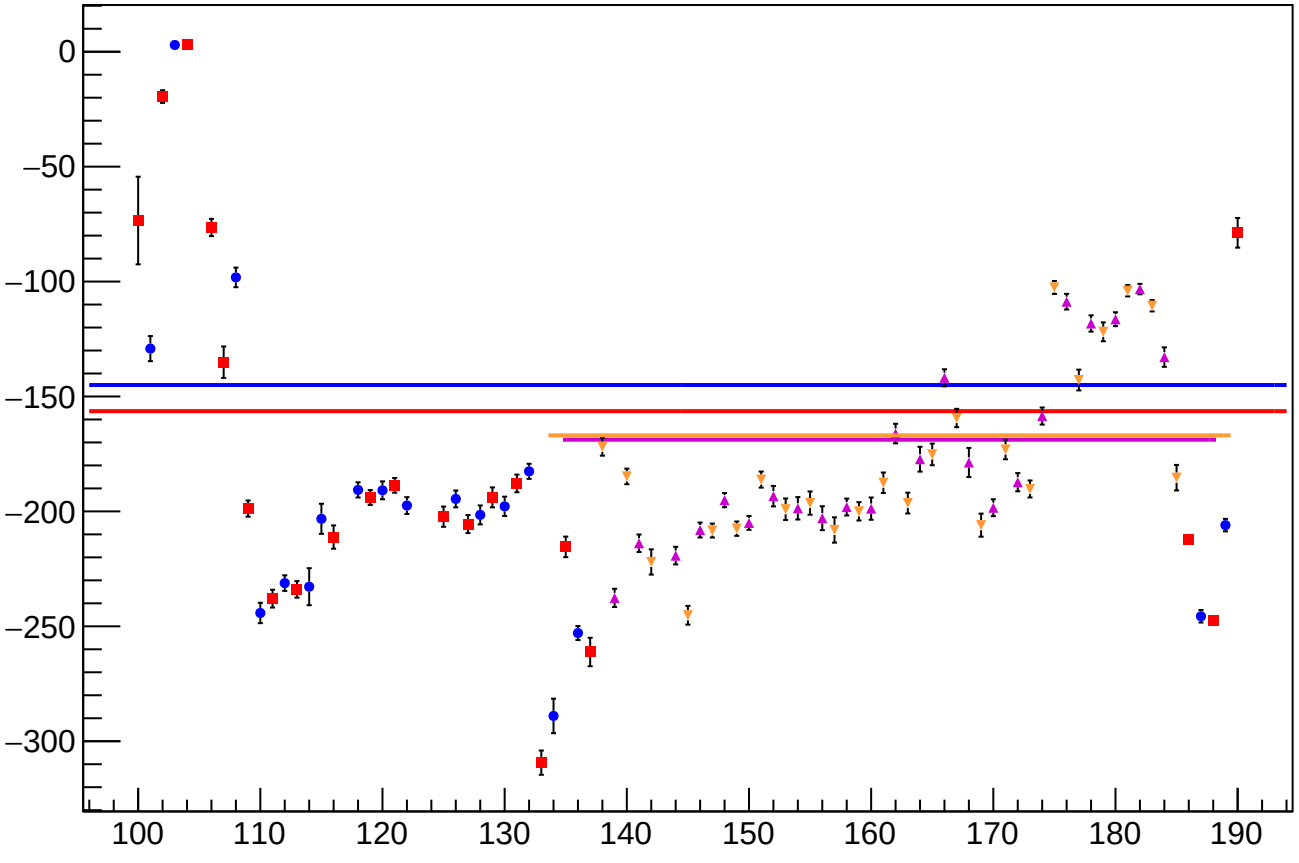
Left In: -2.492+/-0.587 χ^2/NDF:562.9/22

\+ sign -3.273+/-0.469 χ^2/NDF: 781.9/41

All: -3.596+/-0.326 χ^2/NDF: 1604.1/85

\- sign -3.897+/-0.453 χ^2/NDF: 821.3/43

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs Slug



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: -156.388+/-0.664 χ^2/NDF: 23295.4/20

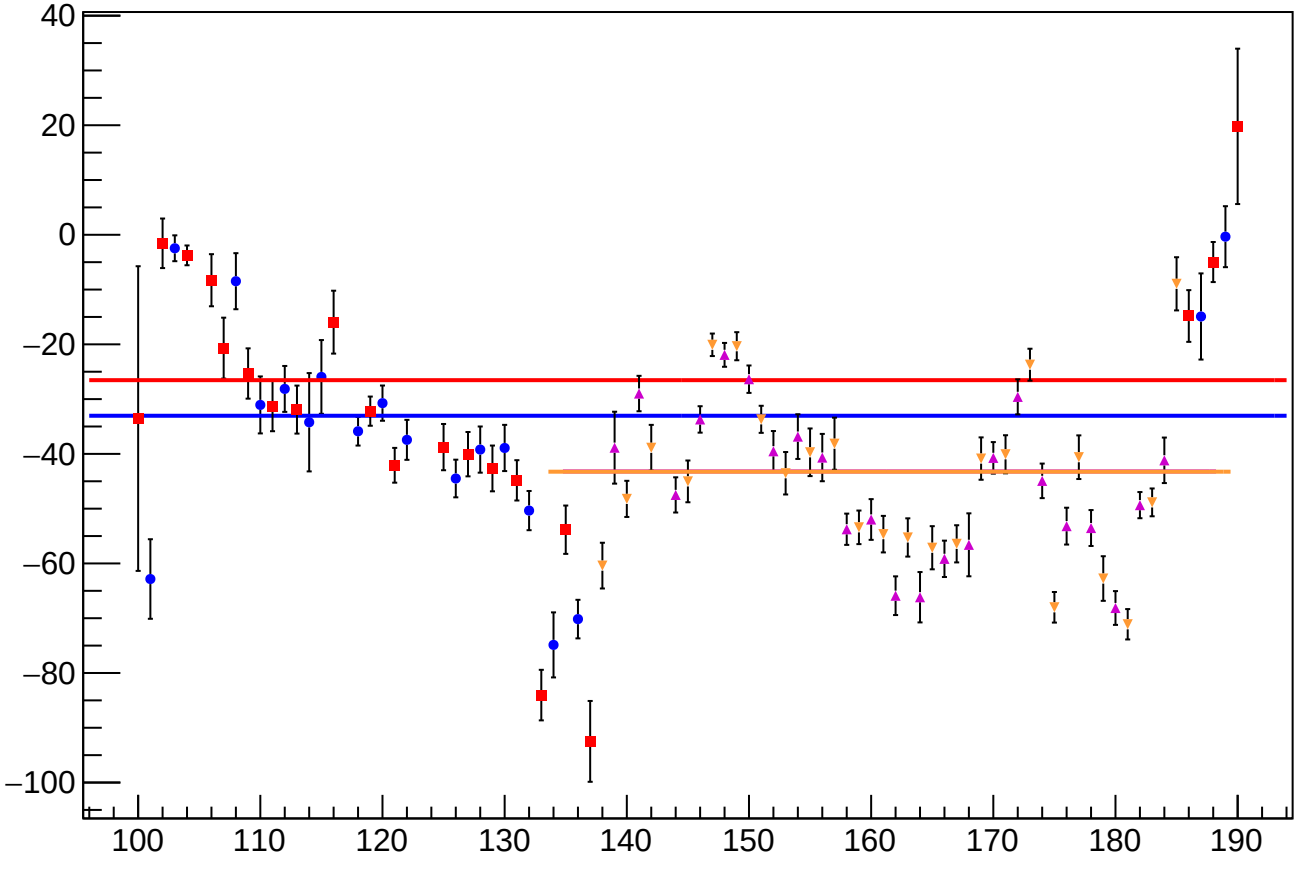
Left In: -168.810+/-0.772 χ^2/NDF:3059.5/22

+ sign -156.025+/-0.547 χ^2/NDF: 20376.6/41

All: -159.076+/-0.370 χ^2/NDF: 46937.9/85

- sign -161.664+/-0.503 χ^2/NDF: 26503.7/43

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -33.038+/-0.947 χ^2/NDF: 452.8/17

Left Out: -43.251+/-0.664 χ^2/NDF:610.2/23

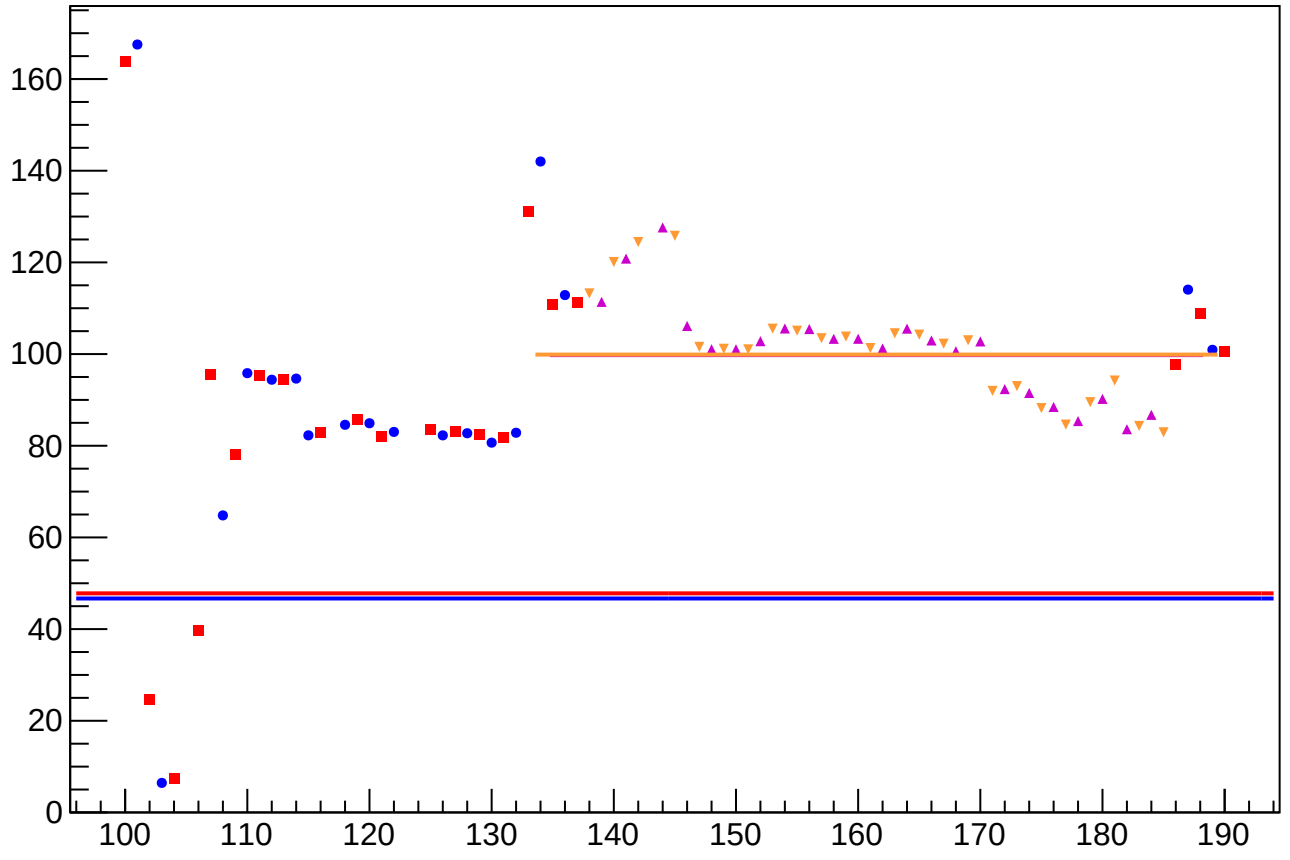
Right Out: -26.541+/-0.864 χ^2/NDF: 624.2/20

Left In: -43.207+/-0.670 χ^2/NDF:405.8/22

+ sign -39.882+/-0.544 χ^2/NDF: 1141.0/41

All: -38.375+/-0.379 χ^2/NDF: 2418.4/85

- sign -36.946+/-0.529 χ^2/NDF: 1262.5/43



Right In: 46.678+/-0.044 χ^2/NDF: 1157128.4/17

Left Out: 99.881+/-0.031 χ^2/NDF:123588.1/23

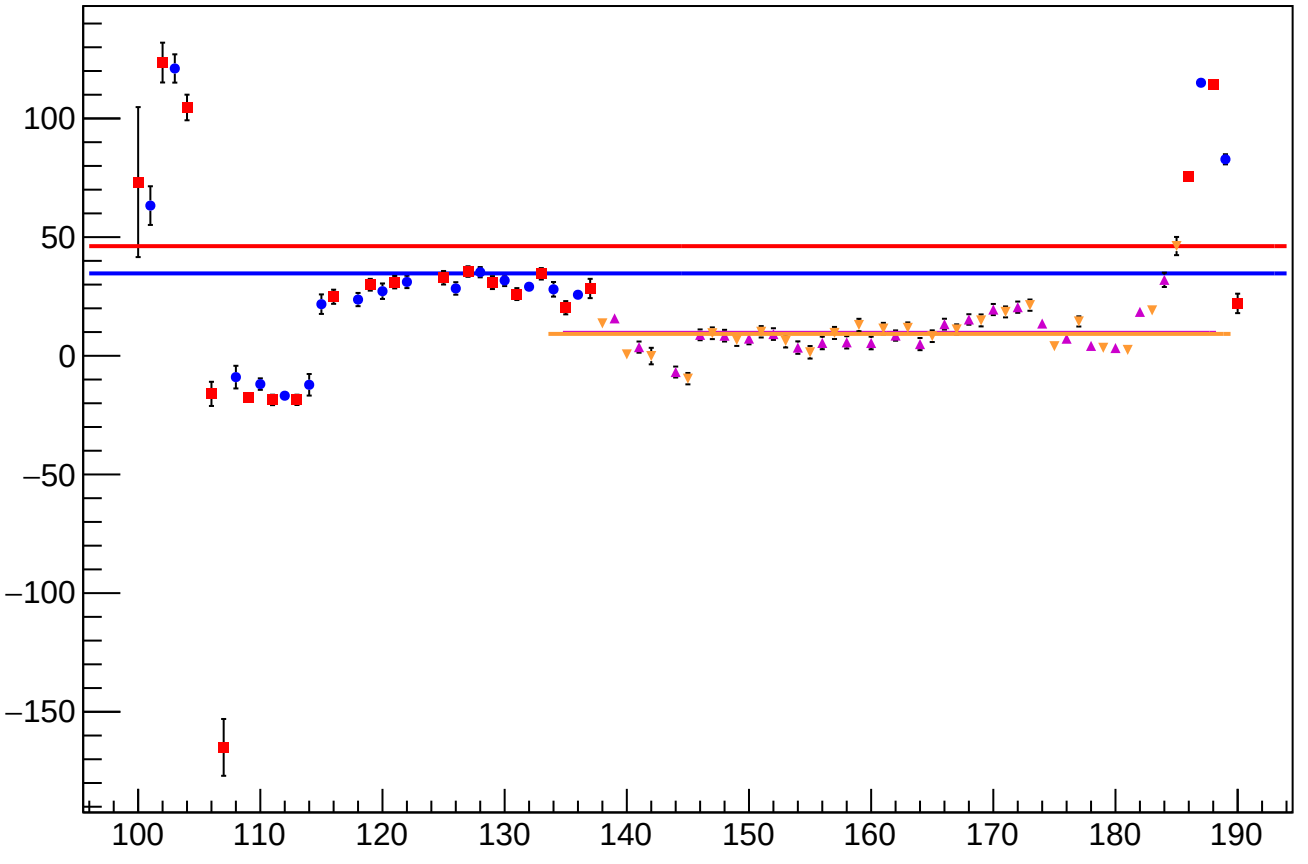
Right Out: 47.799+/-0.043 χ^2/NDF: 952820.6/20

Left In: 99.769+/-0.031 χ^2/NDF:113501.0/22

+ sign 82.426+/-0.025 χ^2/NDF: 2261715.0/41

All: 82.457+/-0.018 χ^2/NDF: 4290236.7/85

- sign 82.487+/-0.025 χ^2/NDF: 2028518.7/43



Right In: 34.716+/-0.621 χ^2/NDF: 3643.4/17

Left Out: 9.228+/-0.456 χ^2/NDF:327.5/23

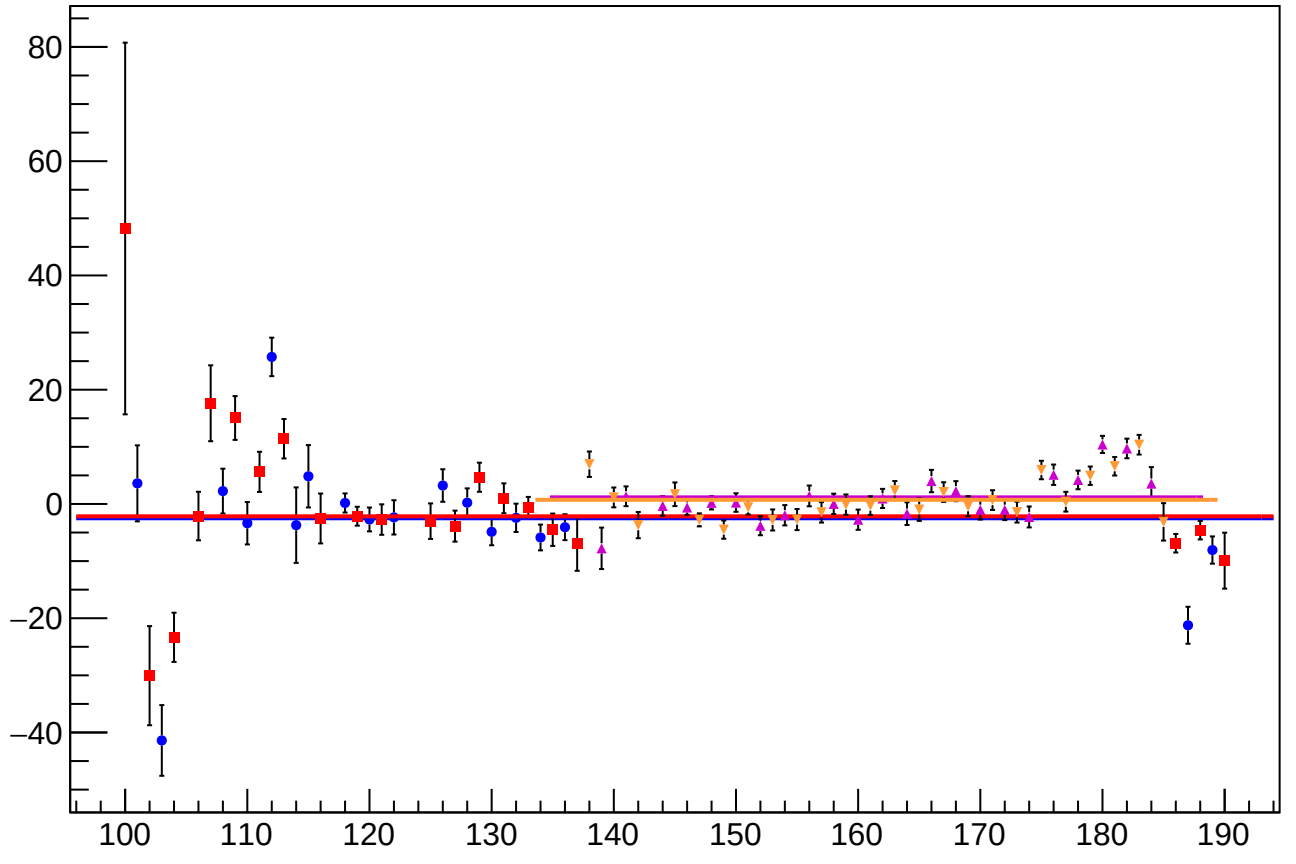
Right Out: 46.199+/-0.533 χ^2/NDF: 7727.3/20

Left In: 9.676+/-0.462 χ^2/NDF:246.7/22

+ sign 18.164+/-0.368 χ^2/NDF: 5064.2/41

All: 21.944+/-0.253 χ^2/NDF: 15917.3/85

- sign 25.353+/-0.349 χ^2/NDF: 10652.3/43



Right In: -2.504+/-0.657 χ^2/NDF: 164.6/17

Left Out: 0.730+/-0.350 χ^2/NDF:109.7/23

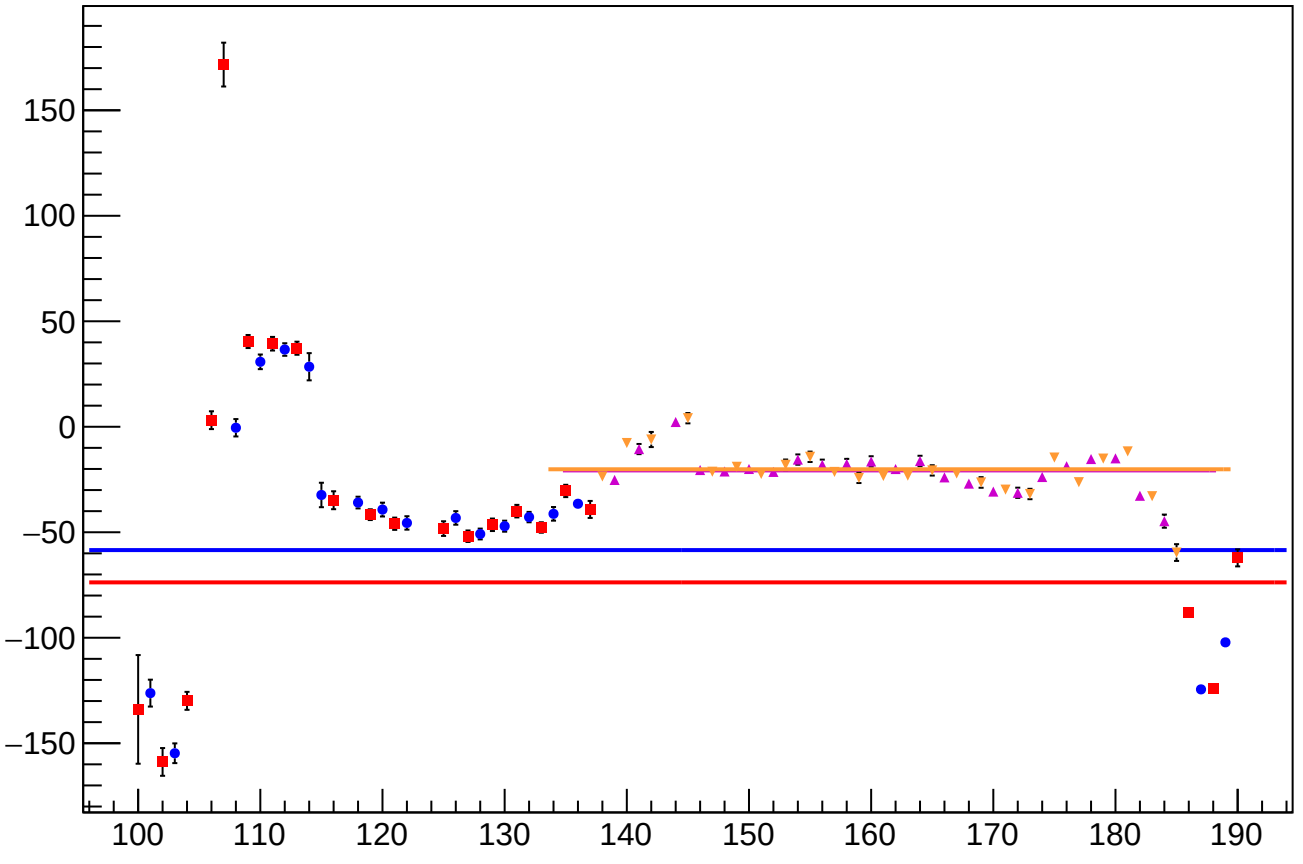
Right Out: -2.164+/-0.601 χ^2/NDF: 111.3/20

Left In: 1.156+/-0.358 χ^2/NDF:110.4/22

+ sign 0.017+/-0.309 χ^2/NDF: 293.2/41

All: 0.153+/-0.218 χ^2/NDF: 537.8/85

- sign 0.288+/-0.307 χ^2/NDF: 244.3/43



Right In: -58.452+/-0.658 χ^2/NDF: 5219.6/17

Left Out: -20.151+/-0.452 χ^2/NDF:420.3/23

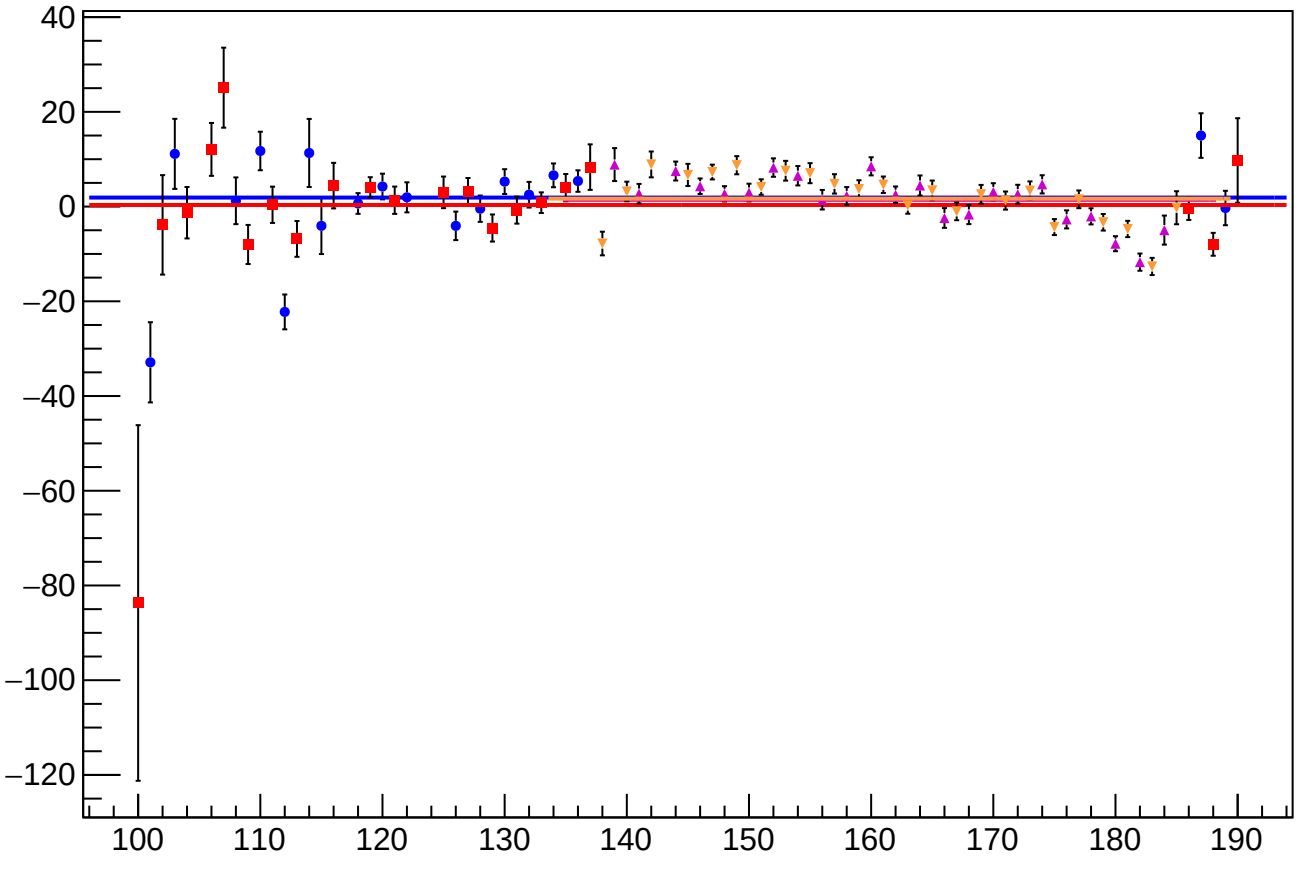
Right Out: -73.759+/-0.523 χ^2/NDF: 9252.8/20

Left In: -20.683+/-0.458 χ^2/NDF:310.5/22

\+ sign -32.443+/-0.373 χ^2/NDF: 7939.9/41

All: -38.529+/-0.253 χ^2/NDF: 23835.2/85

\- sign -43.719+/-0.344 χ^2/NDF: 15401.5/43



Right In: 1.900+/-0.768 χ^2/NDF: 91.5/17

Left Out: 1.671+/-0.395 χ^2/NDF:178.0/23

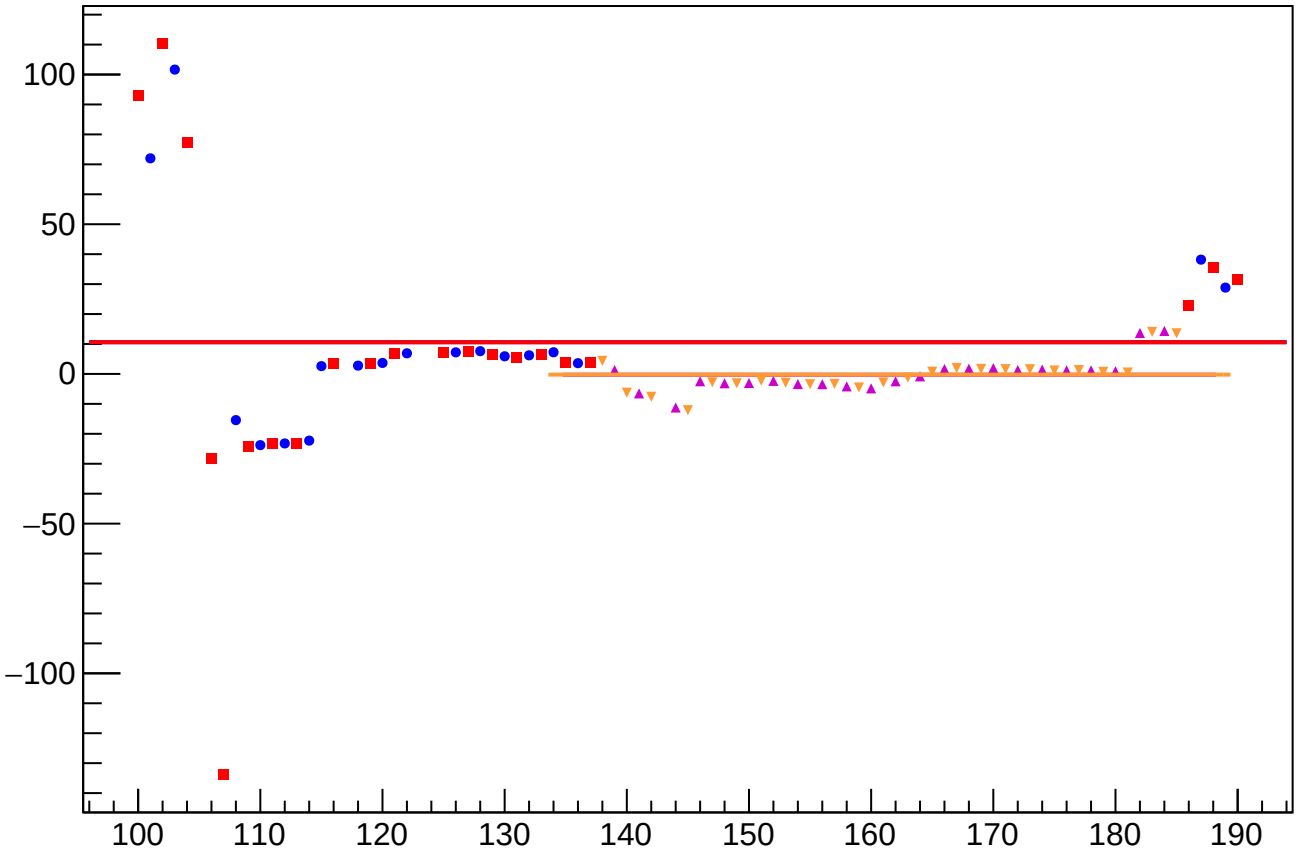
Right Out: 0.337+/-0.733 χ^2/NDF: 51.9/20

Left In: 1.428+/-0.403 χ^2/NDF:162.8/22

+ sign 1.719+/-0.351 χ^2/NDF: 269.6/41

All: 1.448+/-0.249 χ^2/NDF: 487.2/85

- sign 1.175+/-0.353 χ^2/NDF: 216.4/43



Right In: 10.602+/-0.046 χ^2/NDF: 338850.1/17

Left Out: -0.229+/-0.018 χ^2/NDF:80976.2/23

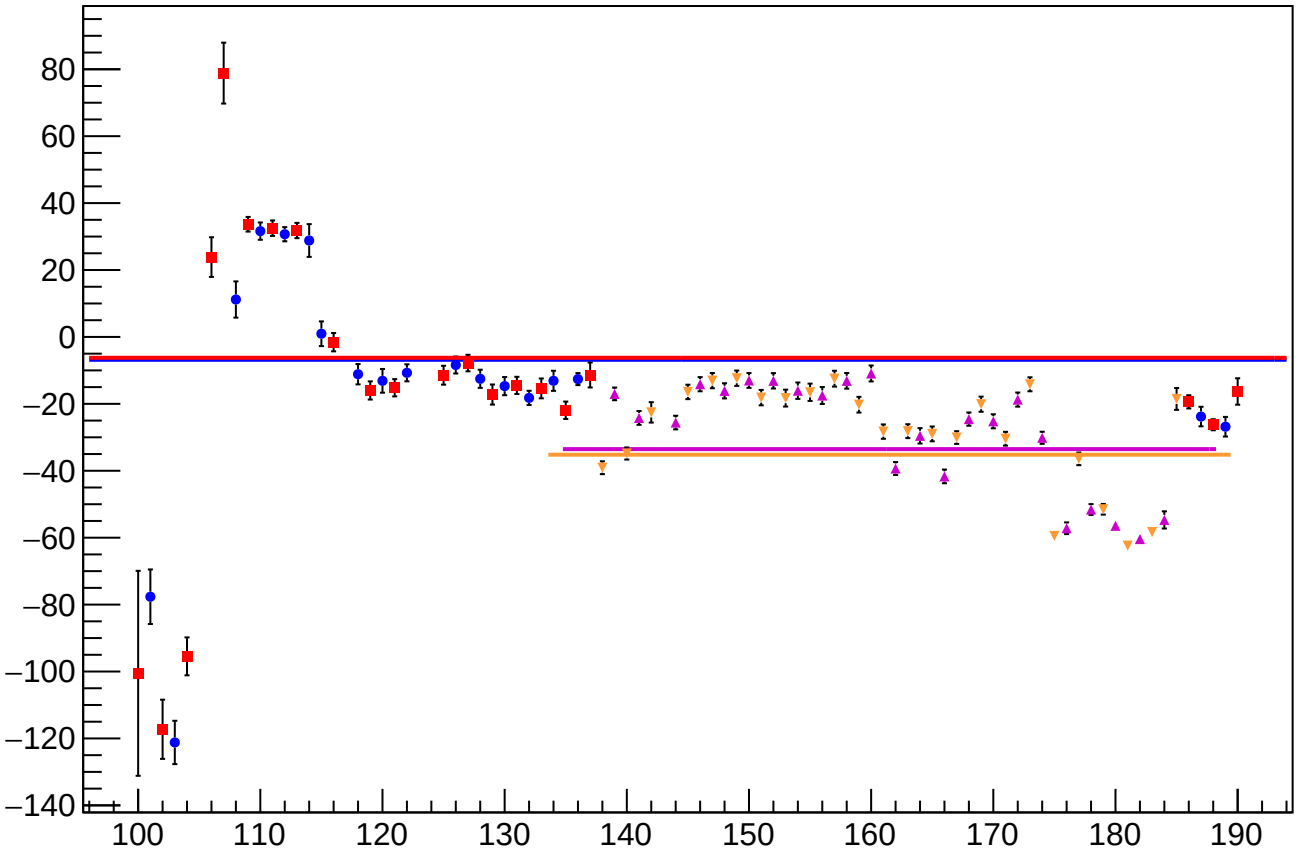
Right Out: 10.588+/-0.045 χ^2/NDF: 509148.9/20

Left In: -0.270+/-0.018 χ^2/NDF:72783.3/22

+ sign 1.172+/-0.016 χ^2/NDF: 468595.9/41

All: 1.167+/-0.012 χ^2/NDF: 1099985.0/85

- sign 1.163+/-0.017 χ^2/NDF: 631389.0/43



Right In: -6.826+/-0.673 χ^2/NDF: 1136.0/17

Left Out: -35.201+/-0.408 χ^2/NDF:1850.7/23

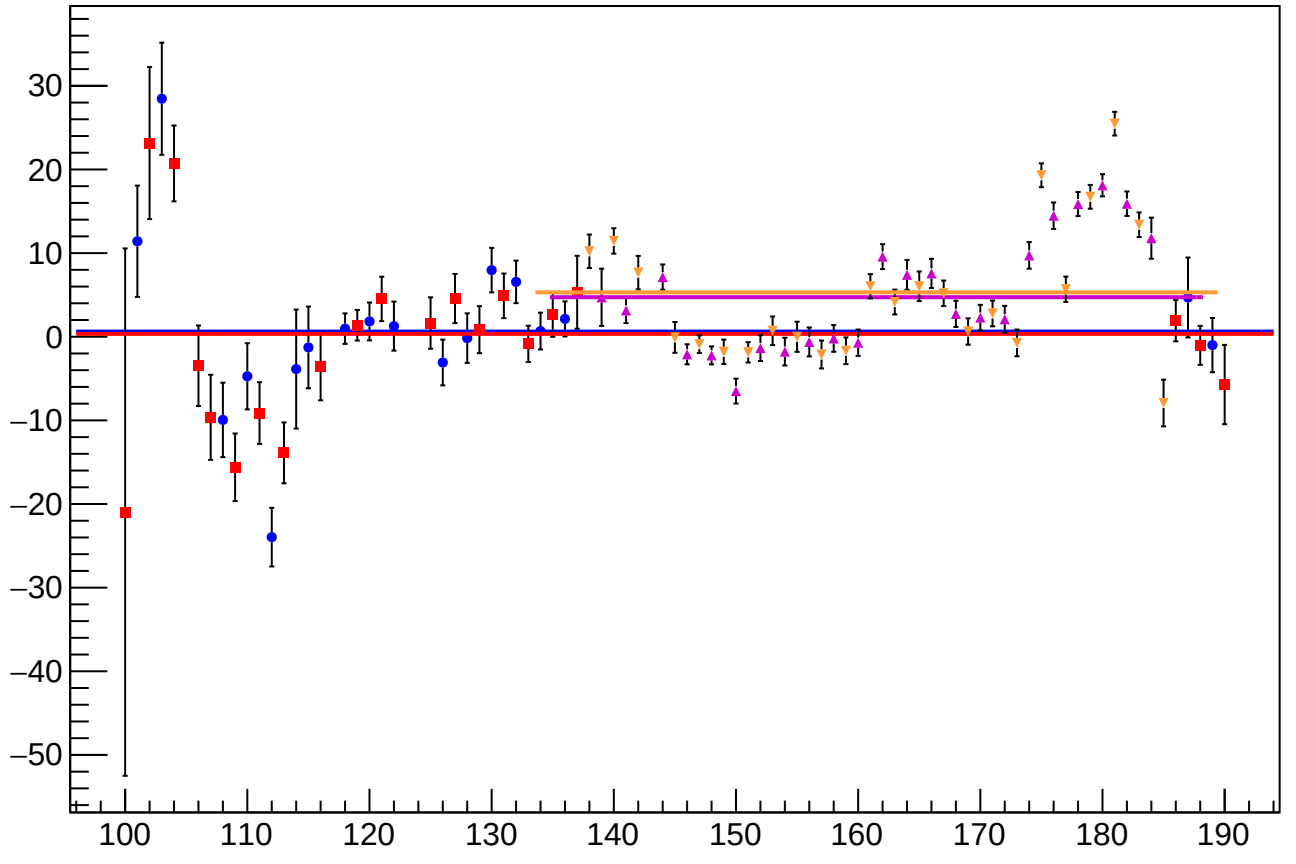
Right Out: -6.238+/-0.612 χ^2/NDF: 1720.3/20

Left In: -33.528+/-0.414 χ^2/NDF:1806.1/22

\+ sign -27.568+/-0.349 χ^2/NDF: 4286.7/41

All: -26.251+/-0.245 χ^2/NDF: 9204.5/85

\- sign -24.979+/-0.343 χ^2/NDF: 4889.8/43



Right In: 0.616+/-0.702 χ^2/NDF: 93.9/17

Left Out: 5.307+/-0.315 χ^2/NDF:624.4/23

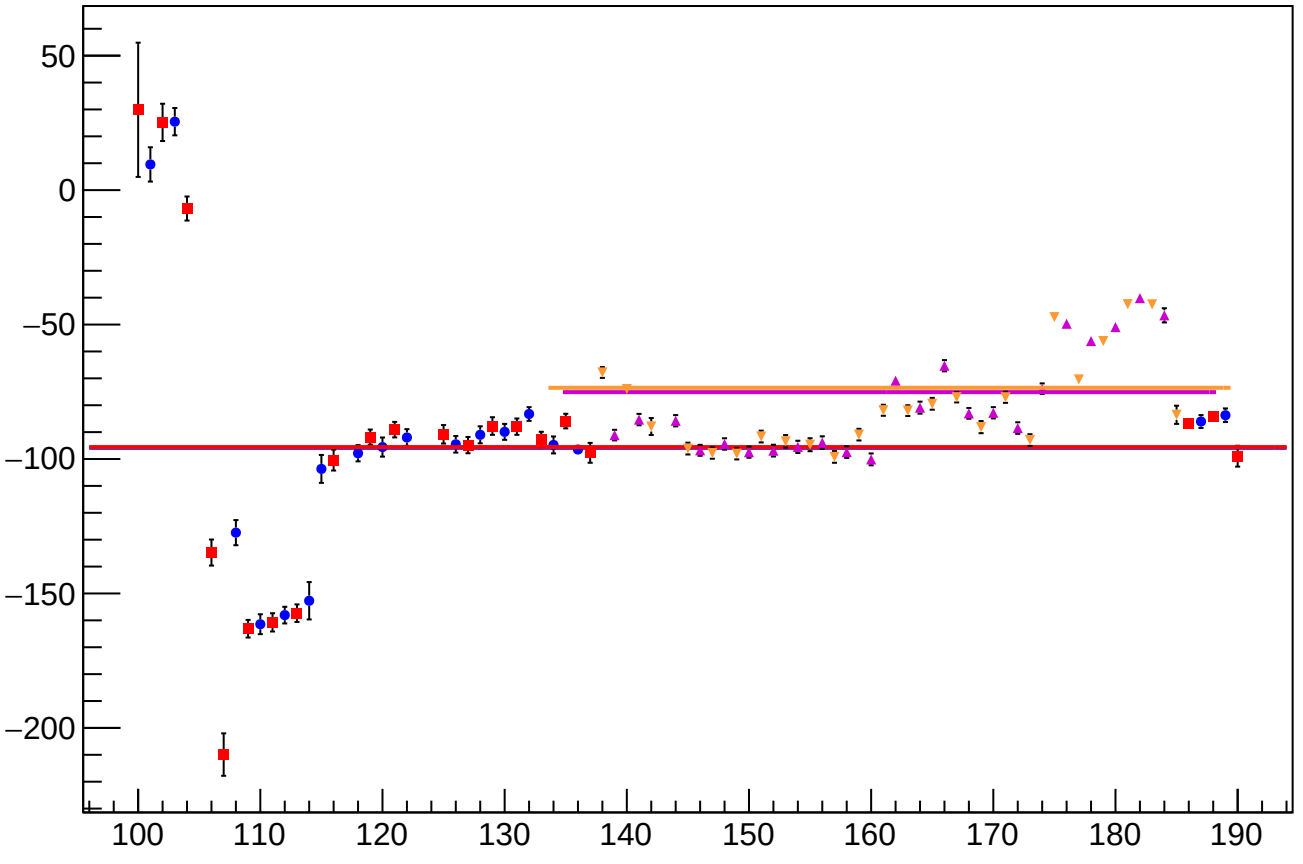
Right Out: 0.345+/-0.682 χ^2/NDF: 82.6/20

Left In: 4.727+/-0.321 χ^2/NDF:496.0/22

+ sign 4.520+/-0.287 χ^2/NDF: 755.4/41

All: 4.229+/-0.204 χ^2/NDF: 1369.8/85

- sign 3.932+/-0.291 χ^2/NDF: 612.3/43



Right In: -95.806+/-0.736 χ^2/NDF: 1747.6/17

Left Out: -73.506+/-0.405 χ^2/NDF:2392.0/23

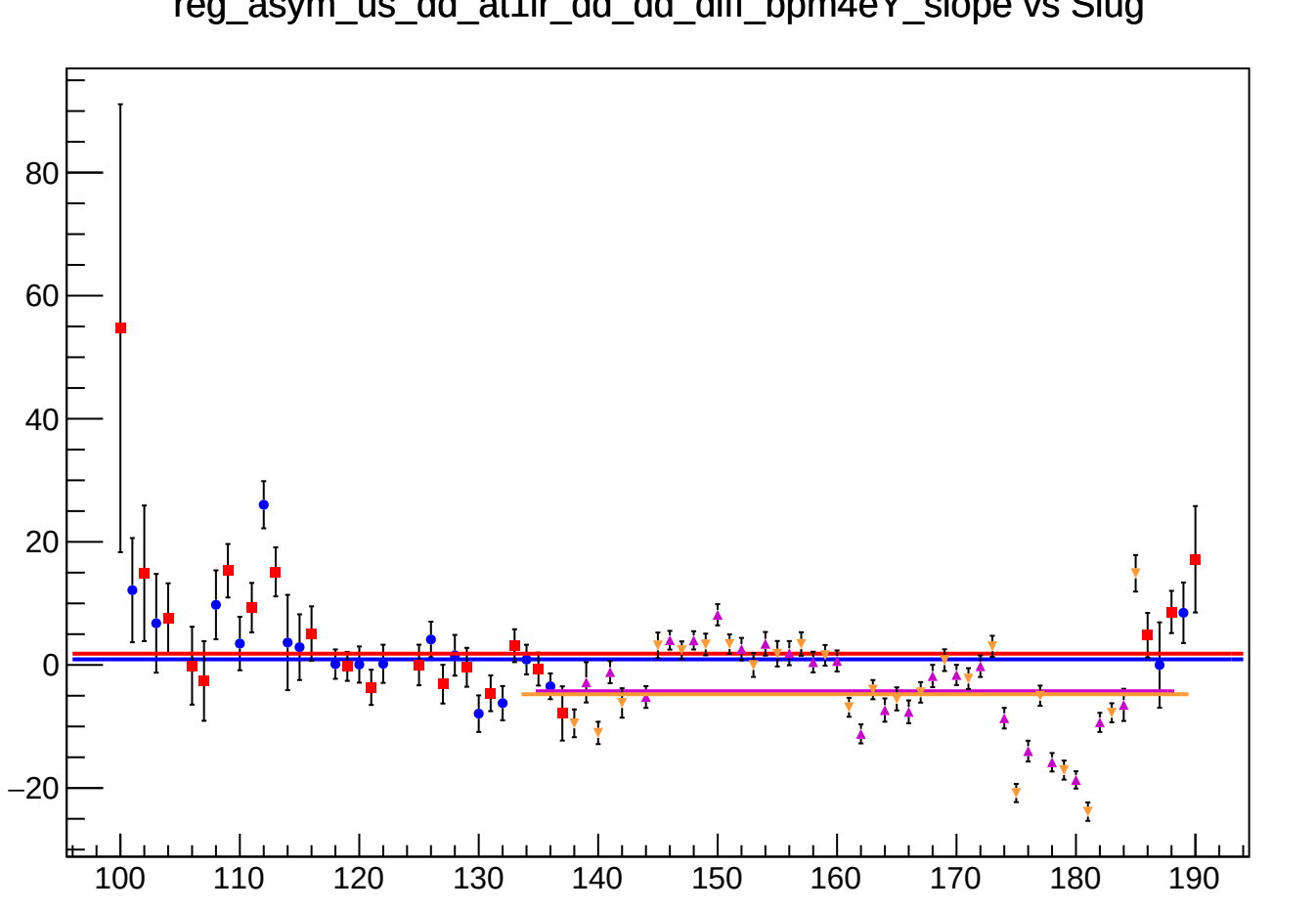
Right Out: -95.571+/-0.638 χ^2/NDF: 2287.7/20

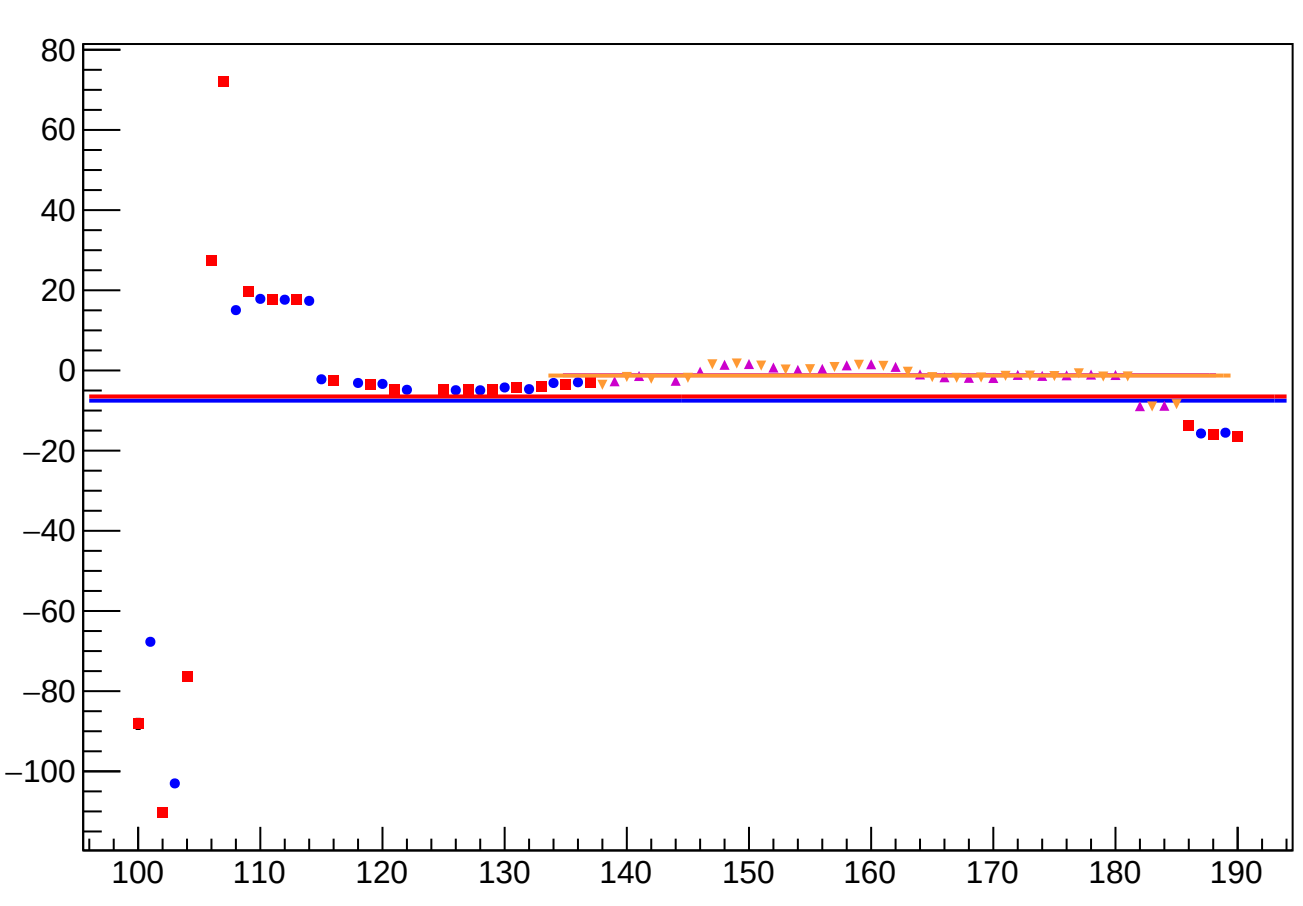
Left In: -75.133+/-0.410 χ^2/NDF:2361.9/22

\+ sign -78.690+/-0.355 χ^2/NDF: 4843.3/41

All: -79.931+/-0.247 χ^2/NDF: 10242.5/85

\- sign -81.102+/-0.345 χ^2/NDF: 5375.4/43


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: 1.830+/-0.806 χ²/NDF: 56.1/20
Left In: -4.278+/-0.361 χ²/NDF:424.1/22
+ sign -3.839+/-0.325 χ²/NDF: 690.6/41
All: -3.553+/-0.231 χ²/NDF: 1220.2/85
- sign -3.258+/-0.329 χ²/NDF: 528.1/43



Right In: -7.525+/-0.047 χ^2/NDF: 267379.2/17

Left Out: -1.267+/-0.016 χ^2/NDF:25091.1/23

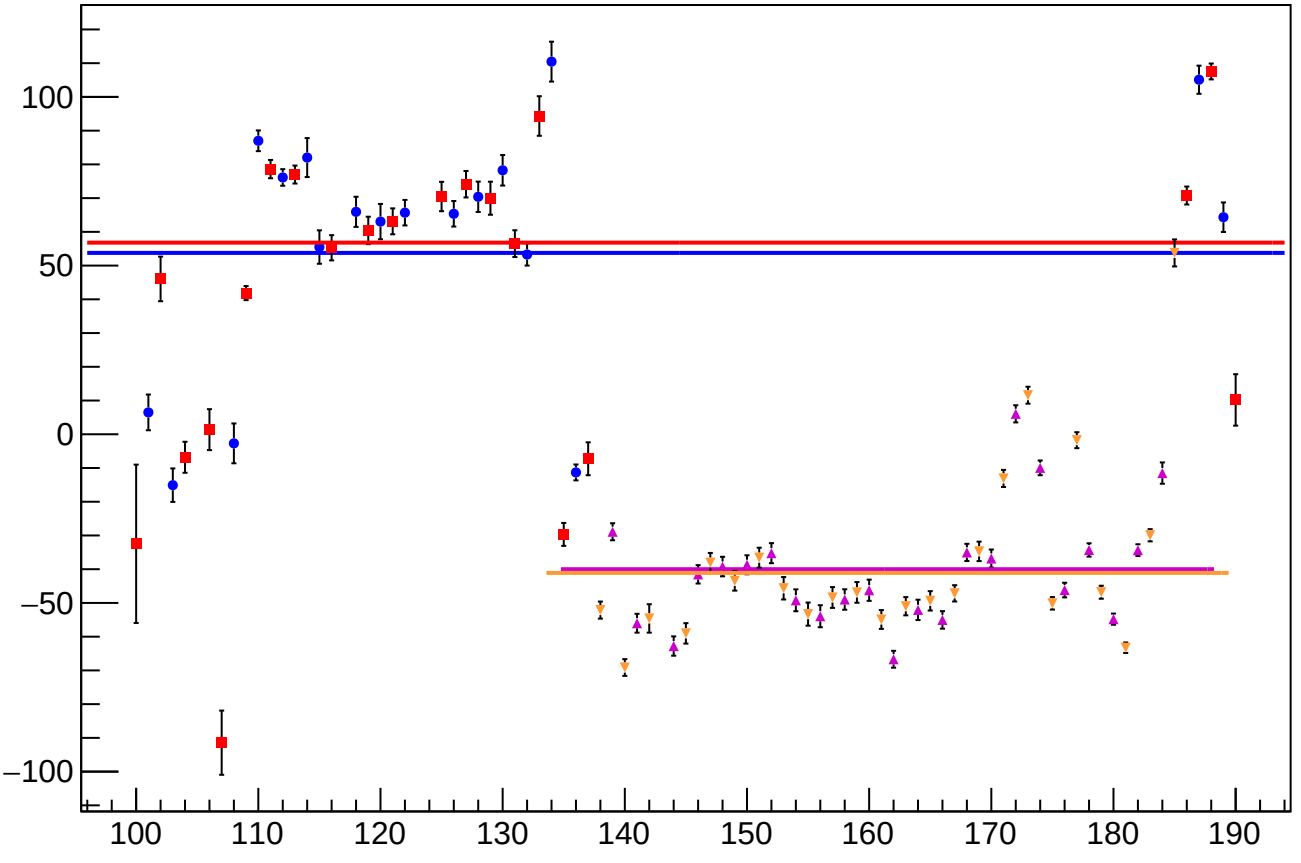
Right Out: -6.485+/-0.049 χ^2/NDF: 345796.1/20

Left In: -1.180+/-0.016 χ^2/NDF:24754.1/22

+ sign -1.912+/-0.015 χ^2/NDF: 308493.9/41

All: -1.805+/-0.011 χ^2/NDF: 689907.3/85

- sign -1.697+/-0.015 χ^2/NDF: 381312.1/43



Right In: 53.764+/-0.920 χ^2/NDF: 1672.2/17

Left Out: -41.097+/-0.517 χ^2/NDF:1948.2/23

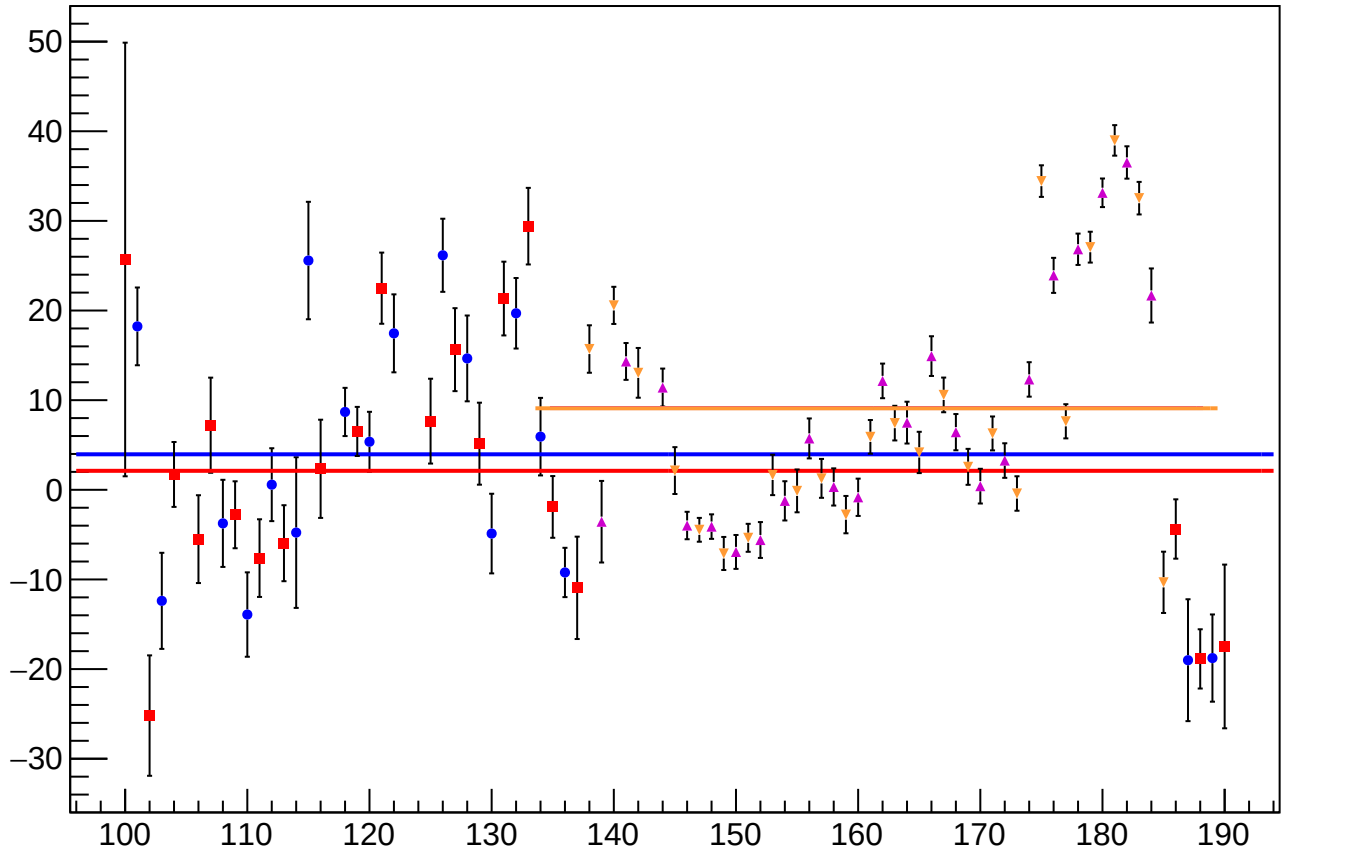
Right Out: 56.808+/-0.807 χ^2/NDF: 2138.5/20

Left In: -40.000+/-0.524 χ^2/NDF:1031.8/22

\+ sign -18.288+/-0.451 χ^2/NDF: 11704.0/41

All: -14.692+/-0.315 χ^2/NDF: 25116.0/85

\- sign -11.273+/-0.440 χ^2/NDF: 13287.9/43



Right In: 3.961+/-0.989 χ^2/NDF: 173.6/17

Left Out: 9.094+/-0.401 χ^2/NDF:1253.7/23

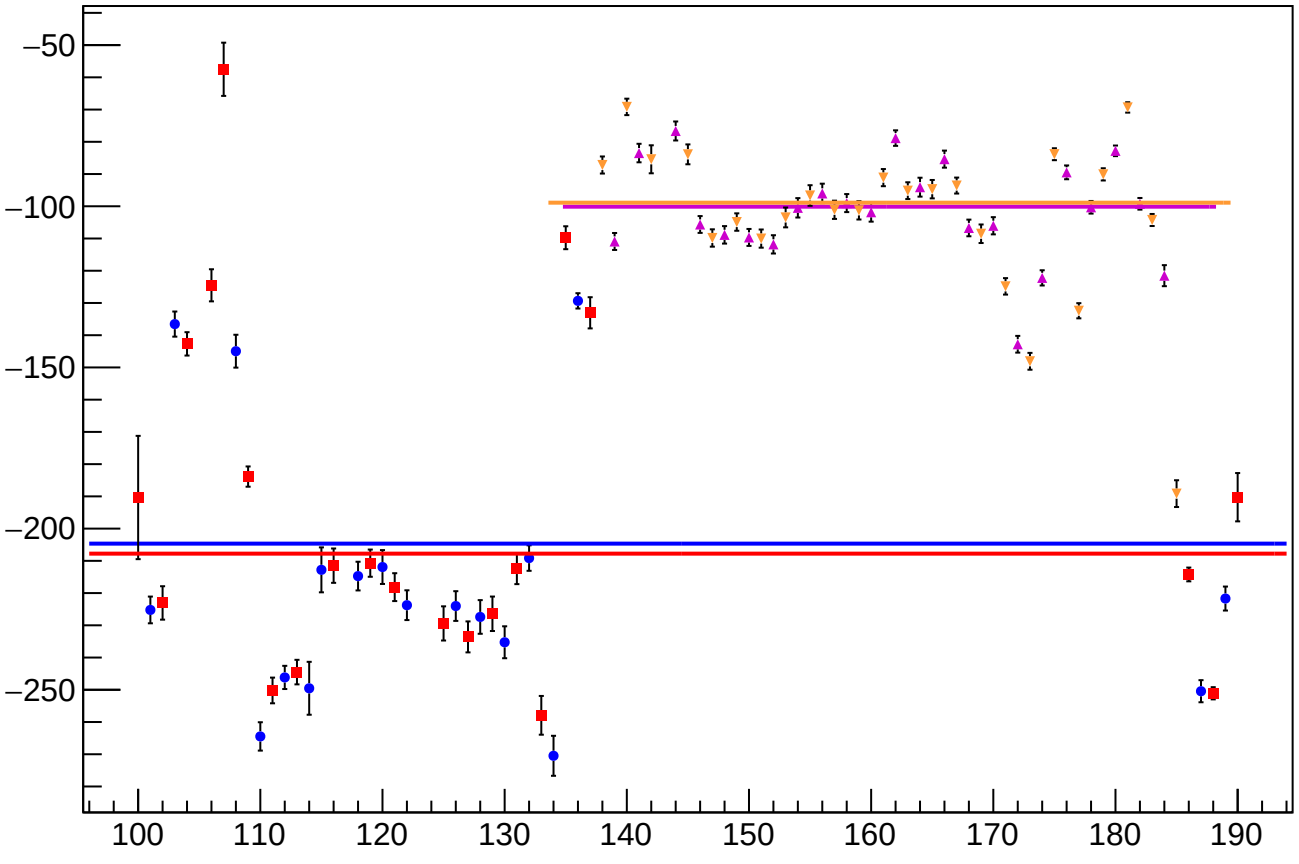
Right Out: 2.119+/-0.932 χ^2/NDF: 188.5/20

Left In: 9.121+/-0.409 χ^2/NDF:1051.8/22

+ sign 8.368+/-0.372 χ^2/NDF: 1450.5/41

All: 8.181+/-0.264 χ^2/NDF: 2738.6/85

- sign 7.991+/-0.375 χ^2/NDF: 1287.6/43



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: -207.766+/-0.853 χ^2/NDF: 2877.6/20

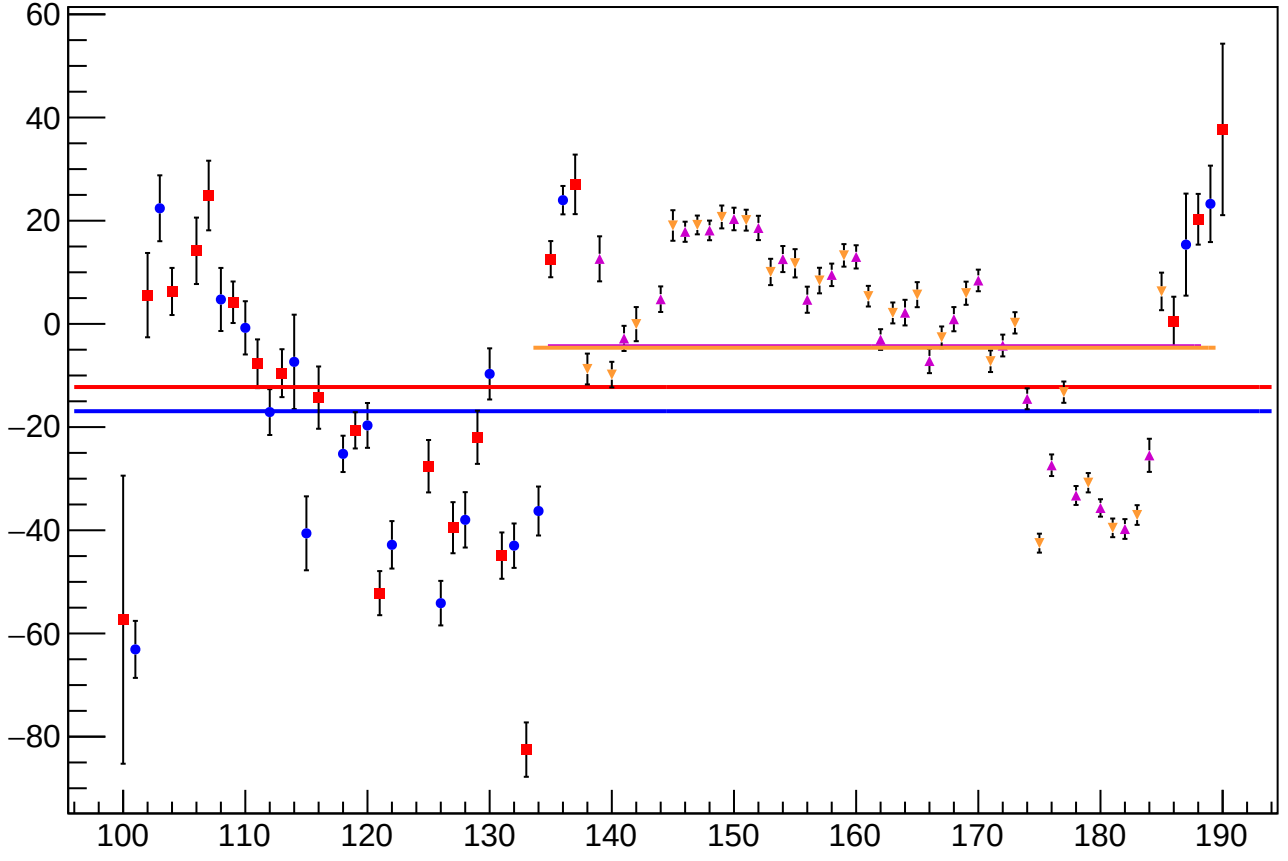
Left In: -100.127+/-0.520 χ^2/NDF:823.2/22

+ sign -121.162+/-0.457 χ^2/NDF: 12972.0/41

All: -125.334+/-0.318 χ^2/NDF: 28435.9/85

- sign -129.278+/-0.444 χ^2/NDF: 15301.6/43

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -16.920+/-1.138 χ^2/NDF: 585.5/17

Left Out: -4.618+/-0.451 χ^2/NDF:2078.3/23

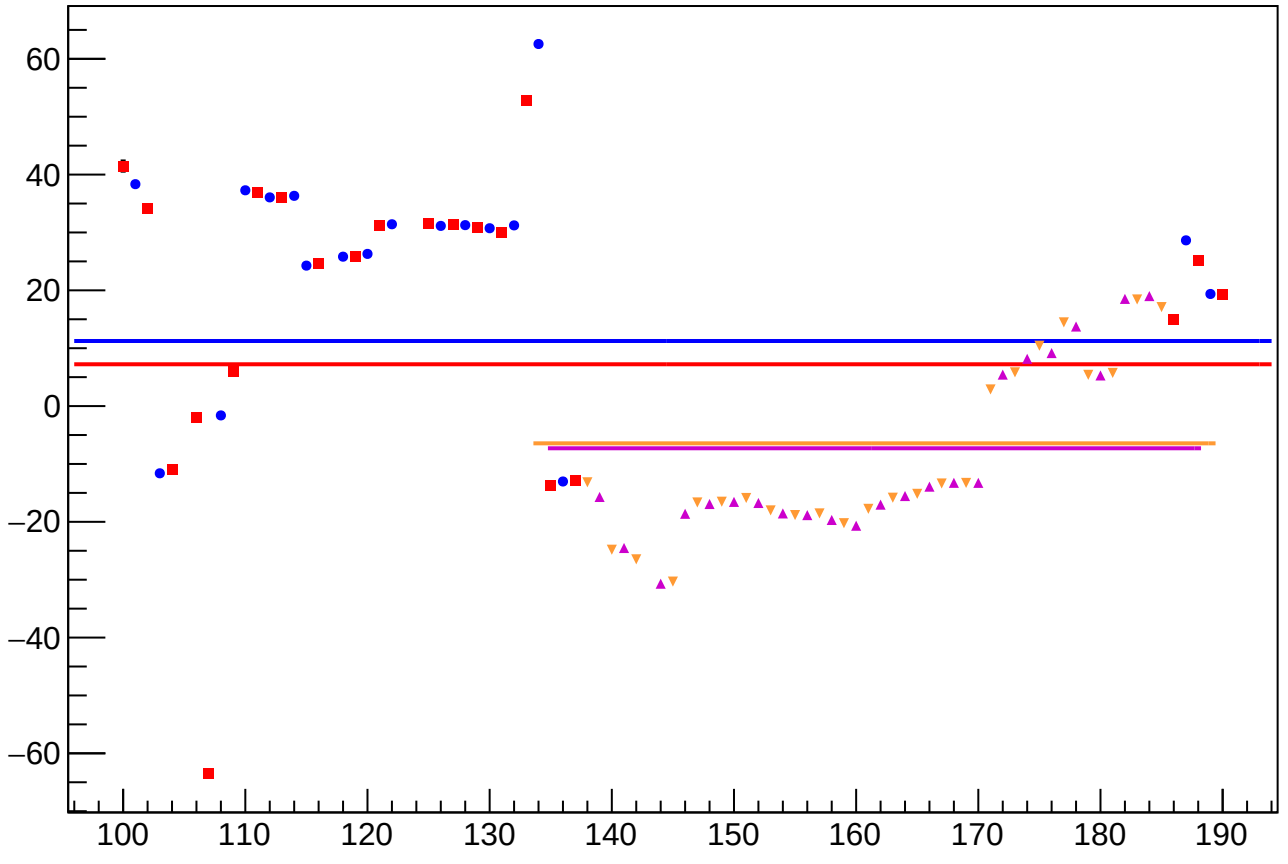
Right Out: -12.236+/-1.099 χ^2/NDF: 611.7/20

Left In: -4.328+/-0.459 χ^2/NDF:1854.2/22

+ sign -6.290+/-0.420 χ^2/NDF: 2764.8/41

All: -5.900+/-0.298 χ^2/NDF: 5276.6/85

- sign -5.502+/-0.423 χ^2/NDF: 2510.0/43



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: 7.225+/-0.060 χ^2/NDF: 161952.5/20

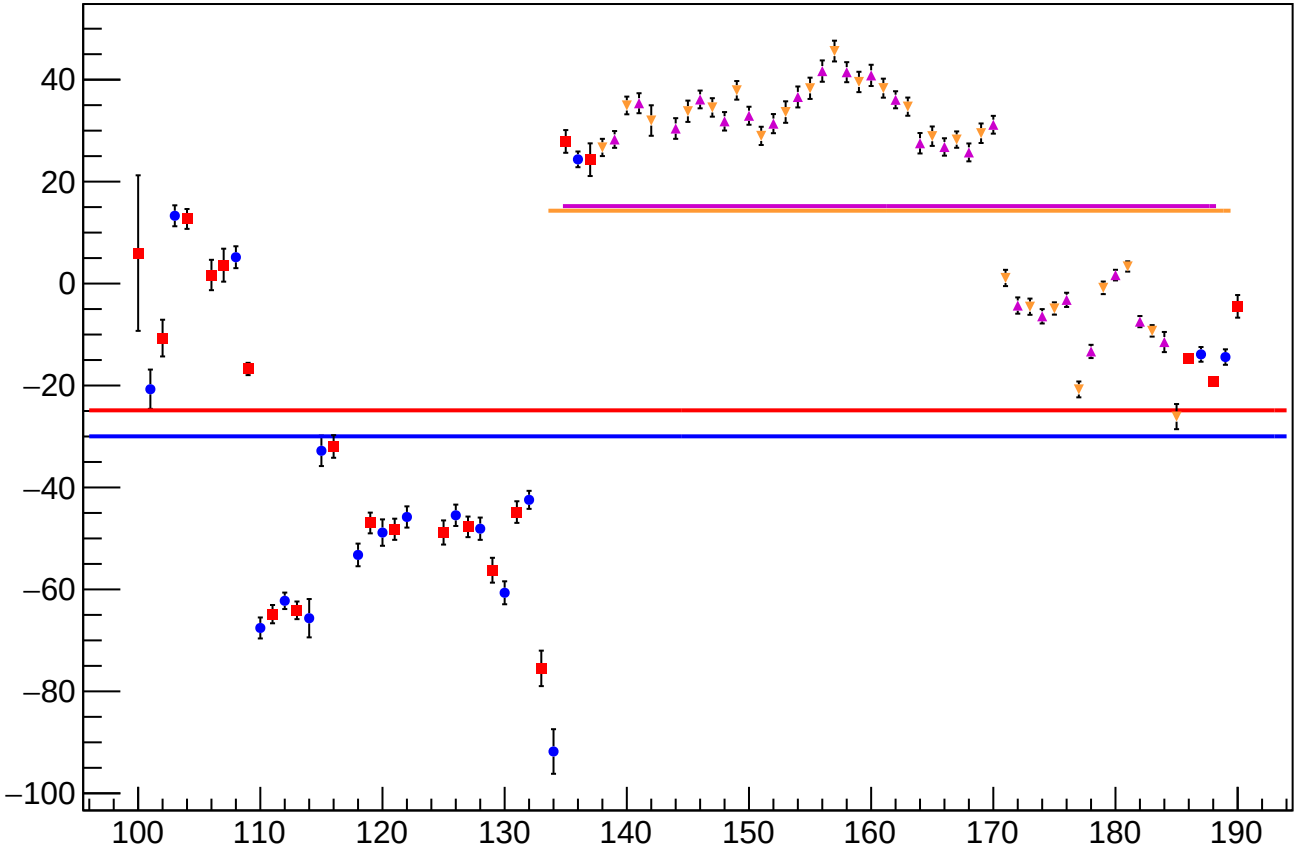
Left In: -7.292+/-0.020 χ^2/NDF:488261.5/22

\+ sign -4.708+/-0.019 χ^2/NDF: 738291.6/41

All: -5.258+/-0.014 χ^2/NDF: 1442286.9/85

\- sign -5.812+/-0.019 χ^2/NDF: 702343.8/43

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

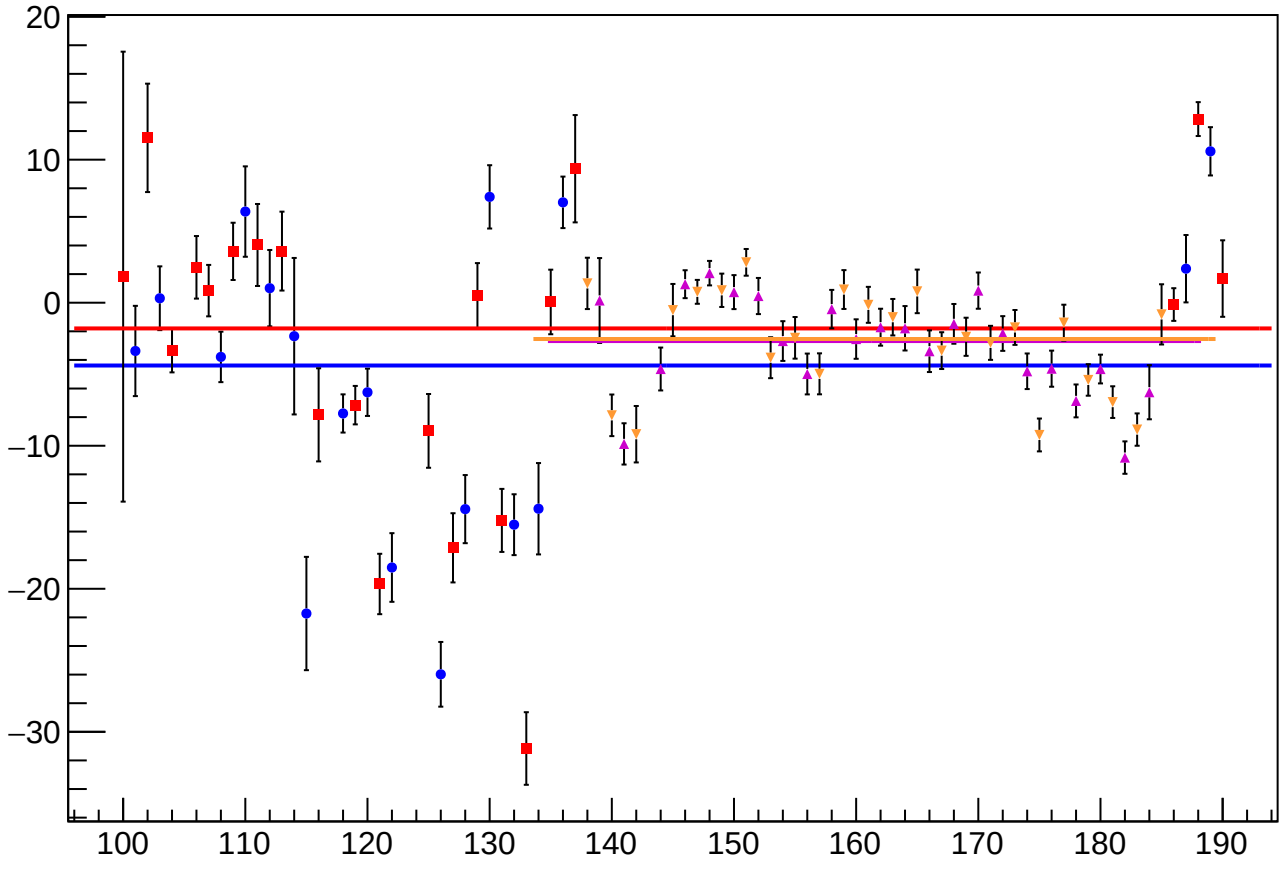
Right Out: -24.870+/-0.392 χ^2/NDF: 3597.4/20

Left In: 15.194+/-0.339 χ^2/NDF:3406.6/22

+ sign -0.005+/-0.276 χ^2/NDF: 13152.5/41

All: -1.055+/-0.188 χ^2/NDF: 26150.3/85

- sign -1.964+/-0.257 χ^2/NDF: 12970.8/43



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: -1.798+/-0.441 χ^2/NDF: 511.6/20

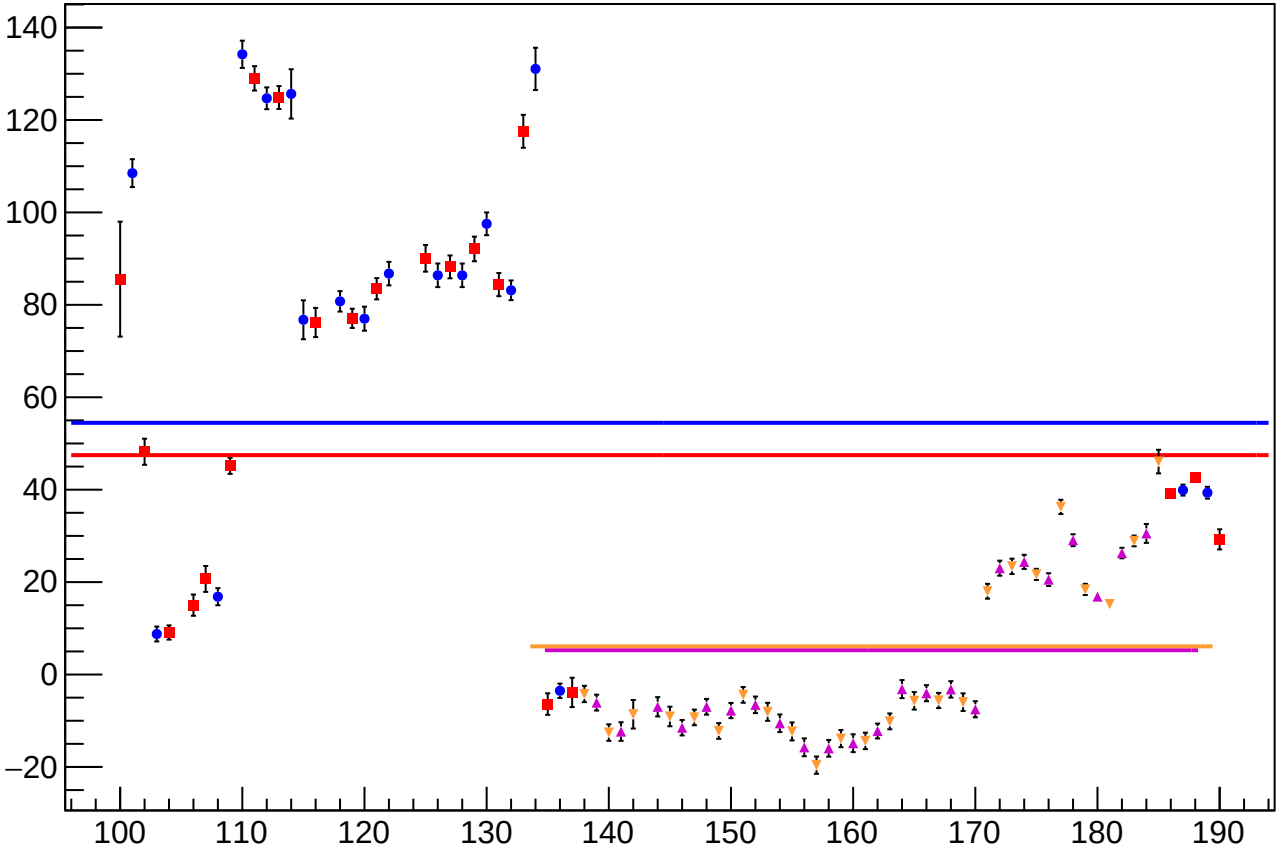
Left In: -2.681+/-0.265 χ^2/NDF:182.0/22

\+ sign -2.914+/-0.231 χ^2/NDF: 592.2/41

All: -2.676+/-0.162 χ^2/NDF: 1290.8/85

\- sign -2.447+/-0.227 χ^2/NDF: 696.5/43

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: 47.473+/-0.375 χ^2/NDF: 5793.0/20

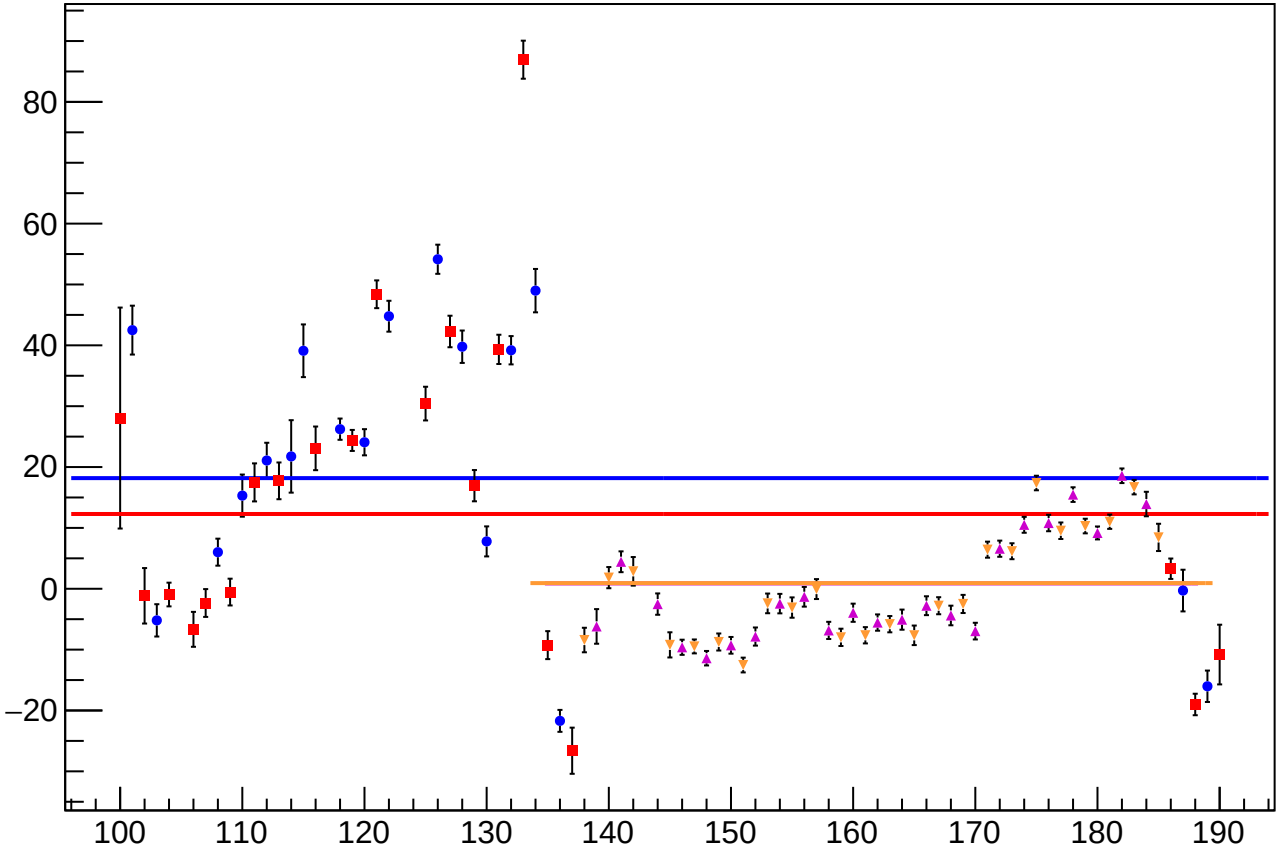
Left In: 5.269+/-0.337 χ^2/NDF:2451.2/22

+ sign 21.334+/-0.275 χ^2/NDF: 15919.0/41

All: 22.858+/-0.185 χ^2/NDF: 31242.5/85

- sign 24.116+/-0.250 χ^2/NDF: 15267.6/43

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

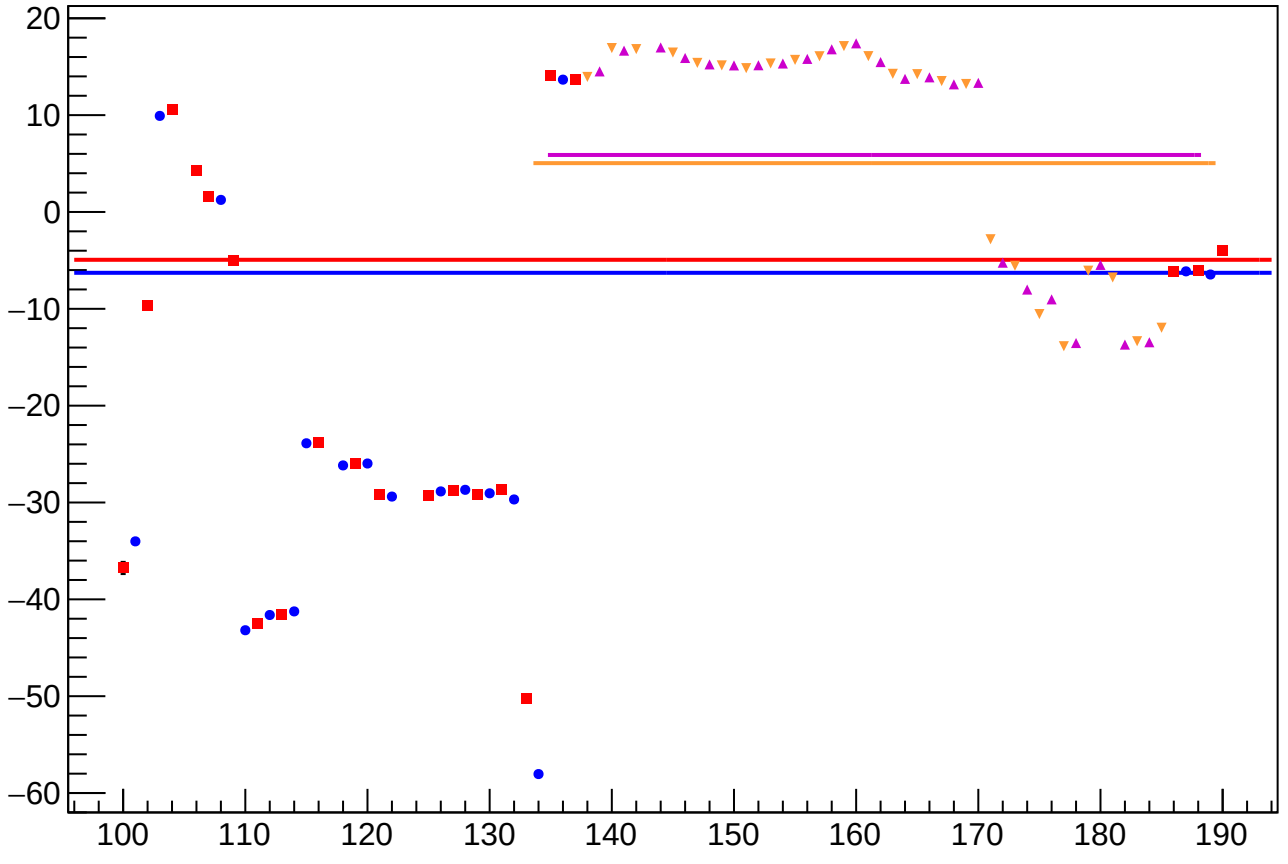
Right Out: 12.287+/-0.548 χ^2/NDF: 1924.0/20

Left In: 0.878+/-0.297 χ^2/NDF:1006.0/22

+ sign 4.130+/-0.263 χ^2/NDF: 3158.9/41

All: 3.800+/-0.185 χ^2/NDF: 6427.3/85

- sign 3.475+/-0.261 χ^2/NDF: 3265.3/43



Right In: -6.282+/-0.032 χ^2/NDF: 410464.2/17

Left Out: 5.042+/-0.013 χ^2/NDF:855564.2/23

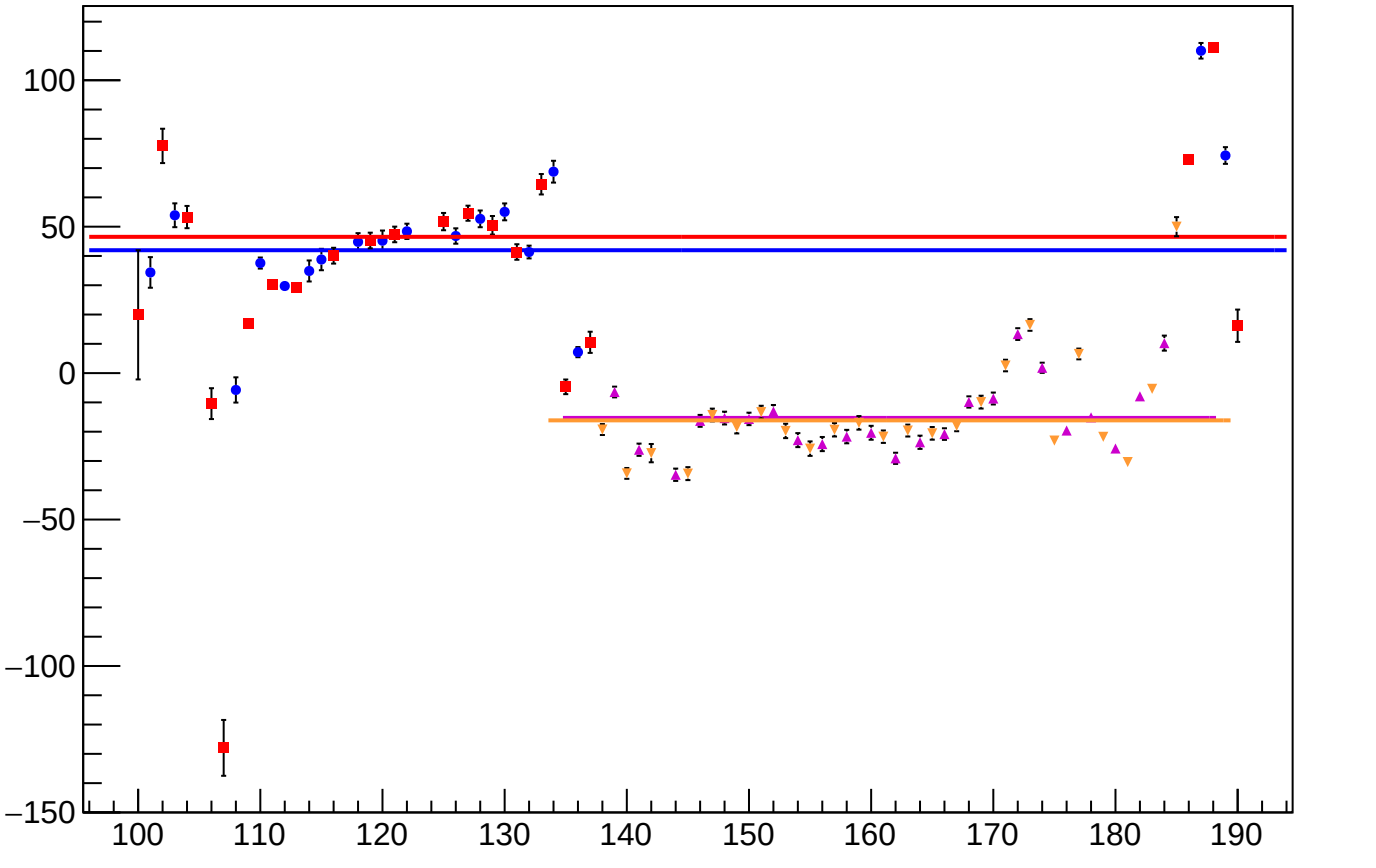
Right Out: -4.938+/-0.030 χ^2/NDF: 307005.1/20

Left In: 5.886+/-0.013 χ^2/NDF:846355.0/22

+ sign 3.392+/-0.012 χ^2/NDF: 1375568.9/41

All: 3.767+/-0.009 χ^2/NDF: 2640243.2/85

- sign 4.139+/-0.012 χ^2/NDF: 1262751.4/43



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: 46.531+/-0.548 χ^2/NDF: 3723.9/20

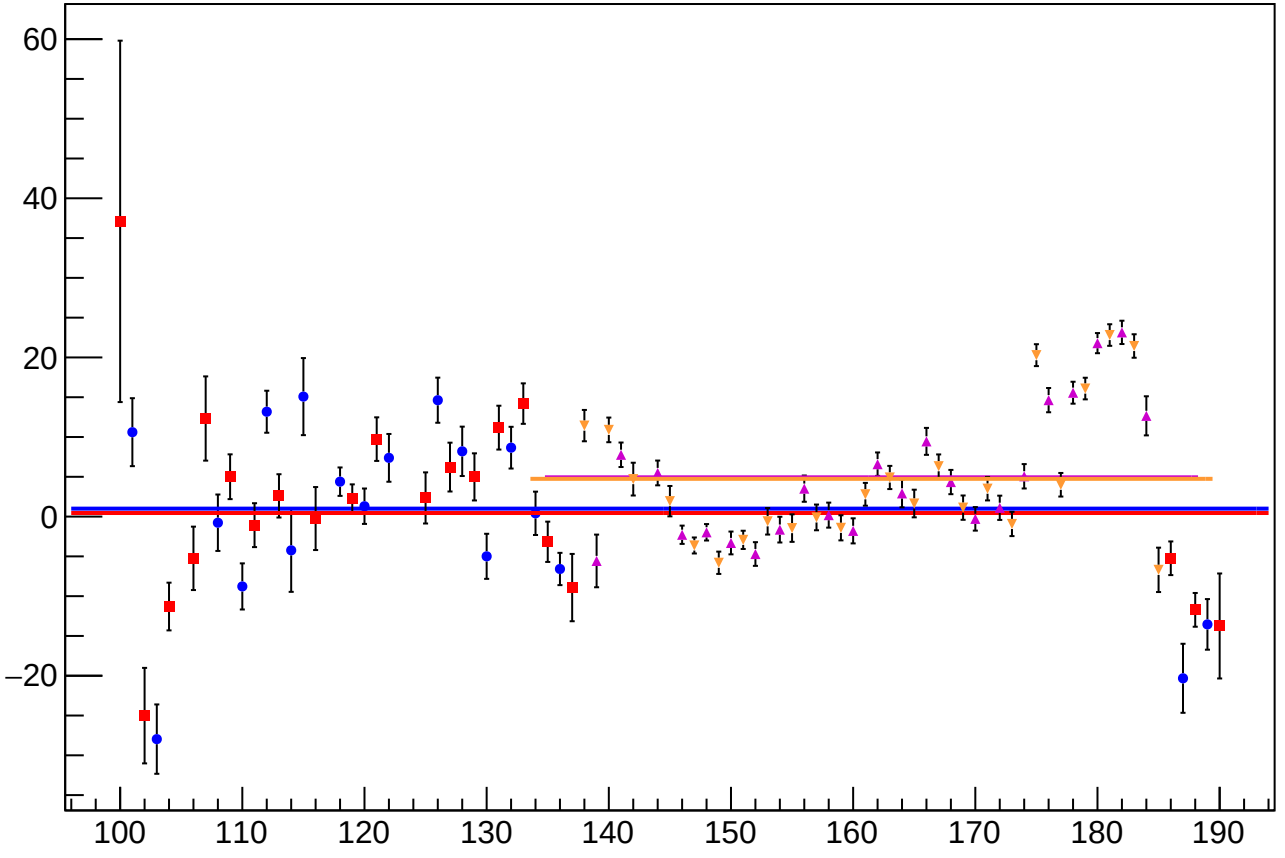
Left In: -15.295+/-0.403 χ^2/NDF:760.9/22

+ sign 0.736+/-0.335 χ^2/NDF: 9037.2/41

All: 3.655+/-0.233 χ^2/NDF: 21918.6/85

- sign 6.398+/-0.325 χ^2/NDF: 12734.3/43

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

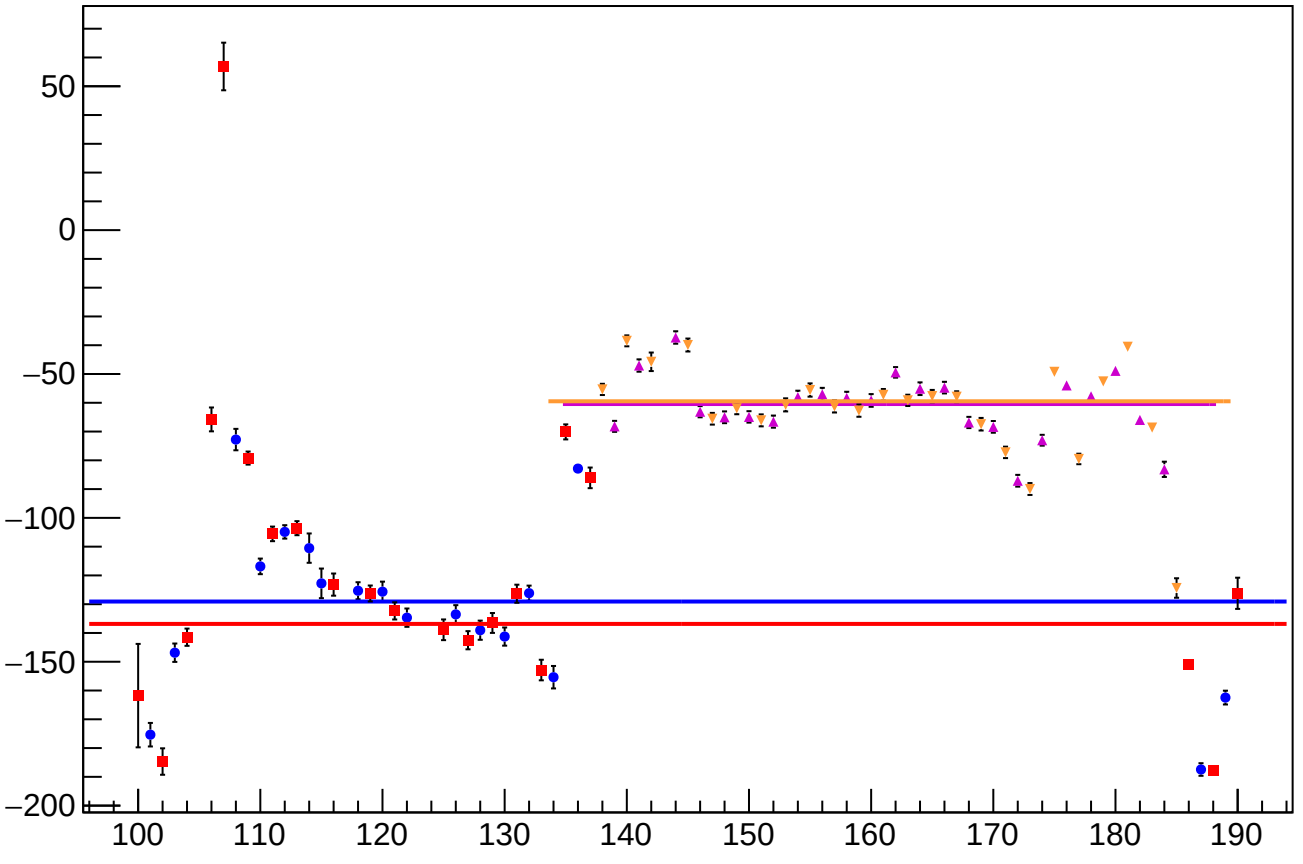
Right Out: 0.450+/-0.642 χ^2/NDF: 161.5/20

Left In: 4.935+/-0.313 χ^2/NDF:688.4/22

+ sign 4.107+/-0.279 χ^2/NDF: 1019.5/41

All: 4.091+/-0.198 χ^2/NDF: 1908.8/85

- sign 4.074+/-0.281 χ^2/NDF: 889.2/43



Right In: -129.074+/-0.685 χ^2/NDF: 2208.9/17

Left Out: -59.480+/-0.395 χ^2/NDF:1372.3/23

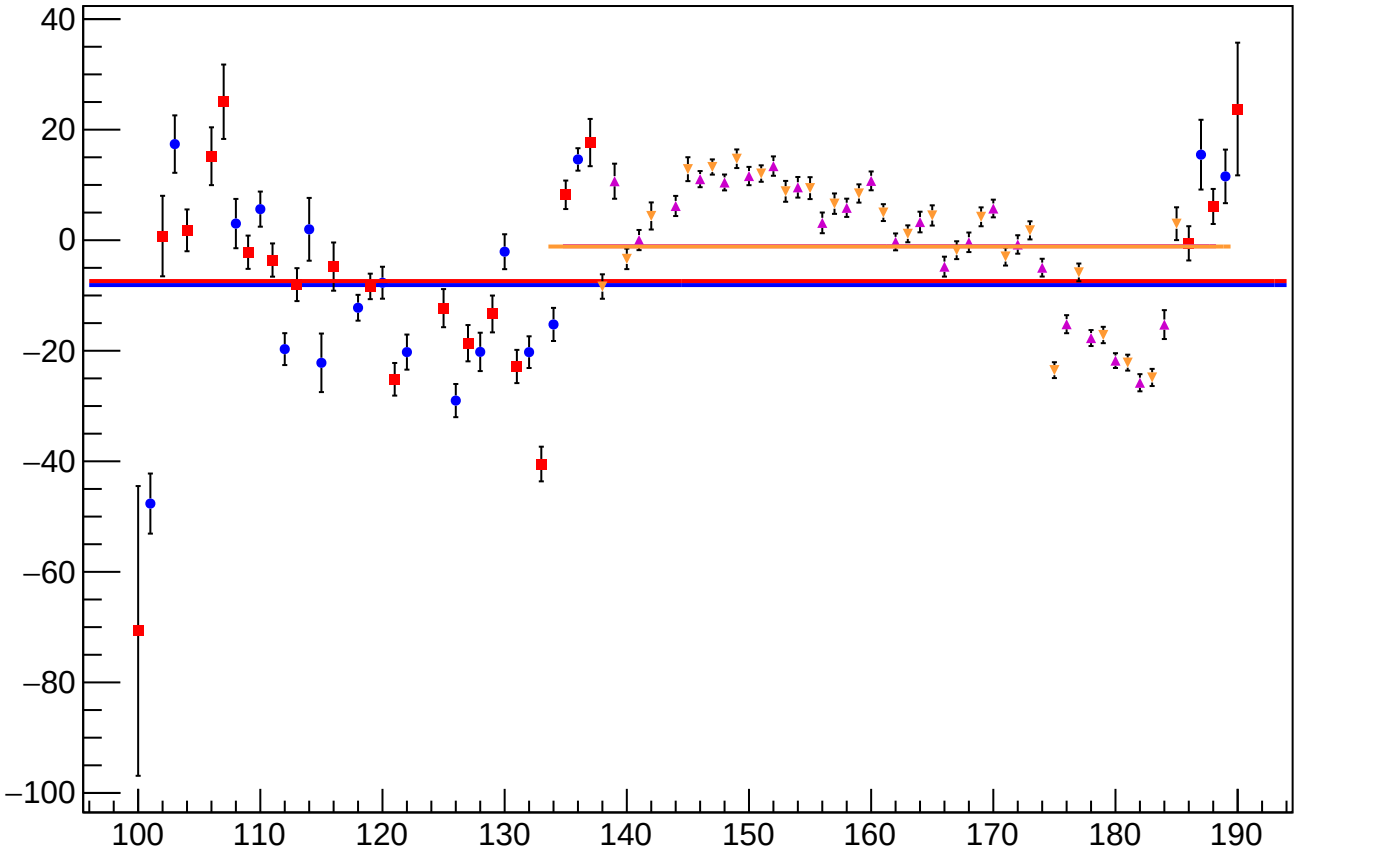
Right Out: -136.852+/-0.581 χ^2/NDF: 4705.0/20

Left In: -60.435+/-0.400 χ^2/NDF:668.3/22

\+ sign -76.823+/-0.342 χ^2/NDF: 11319.5/41

All: -81.063+/-0.237 χ^2/NDF: 28742.6/85

\- sign -84.985+/-0.329 χ^2/NDF: 17127.5/43



Right In: -8.117+/-0.779 χ^2/NDF: 389.7/17

Left Out: -1.144+/-0.346 χ^2/NDF:1303.0/23

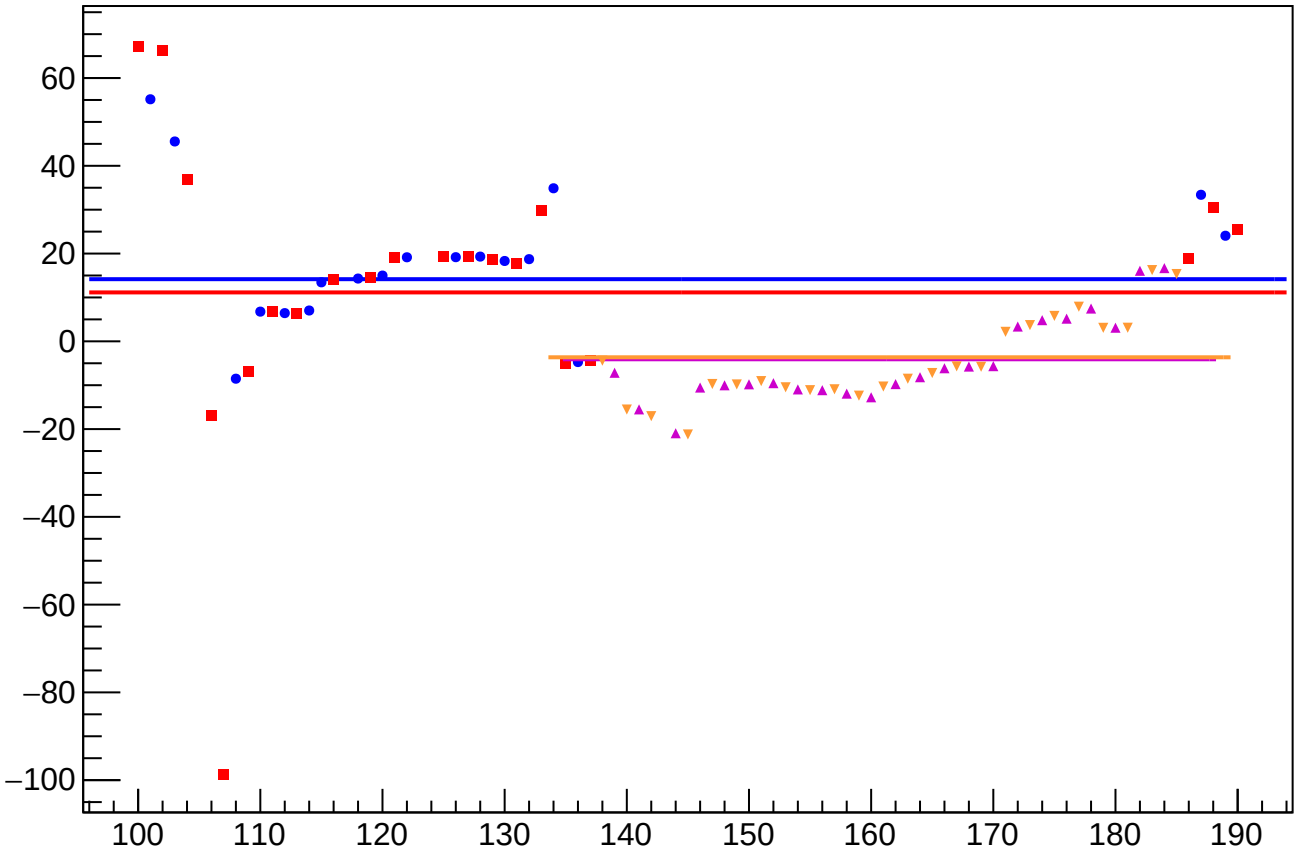
Right Out: -7.387+/-0.760 χ^2/NDF: 351.8/20

Left In: -1.082+/-0.352 χ^2/NDF:1157.4/22

+ sign -2.290+/-0.316 χ^2/NDF: 1759.6/41

All: -2.243+/-0.225 χ^2/NDF: 3325.6/85

- sign -2.196+/-0.319 χ^2/NDF: 1565.9/43



Right In: 14.163+/-0.044 χ^2/NDF: 189065.6/17

Left Out: -3.639+/-0.015 χ^2/NDF:345861.2/23

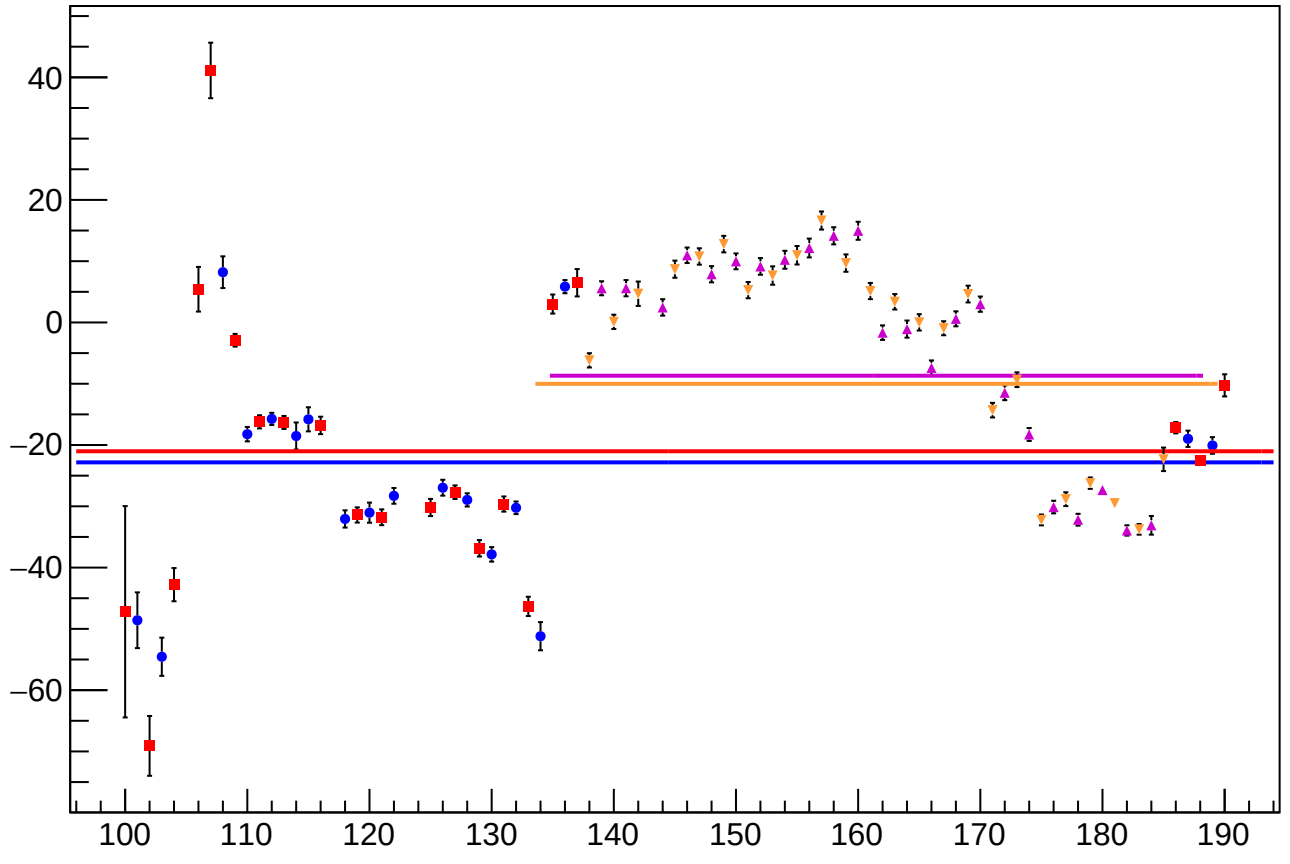
Right Out: 11.145+/-0.044 χ^2/NDF: 309896.3/20

Left In: -4.091+/-0.016 χ^2/NDF:333287.4/22

+ sign -1.683+/-0.015 χ^2/NDF: 680765.6/41

All: -2.051+/-0.010 χ^2/NDF: 1430661.2/85

- sign -2.422+/-0.015 χ^2/NDF: 748617.9/43



Right In: -22.831+/-0.329 χ^2/NDF: 1582.0/17

Left Out: -10.013+/-0.244 χ^2/NDF:4977.5/23

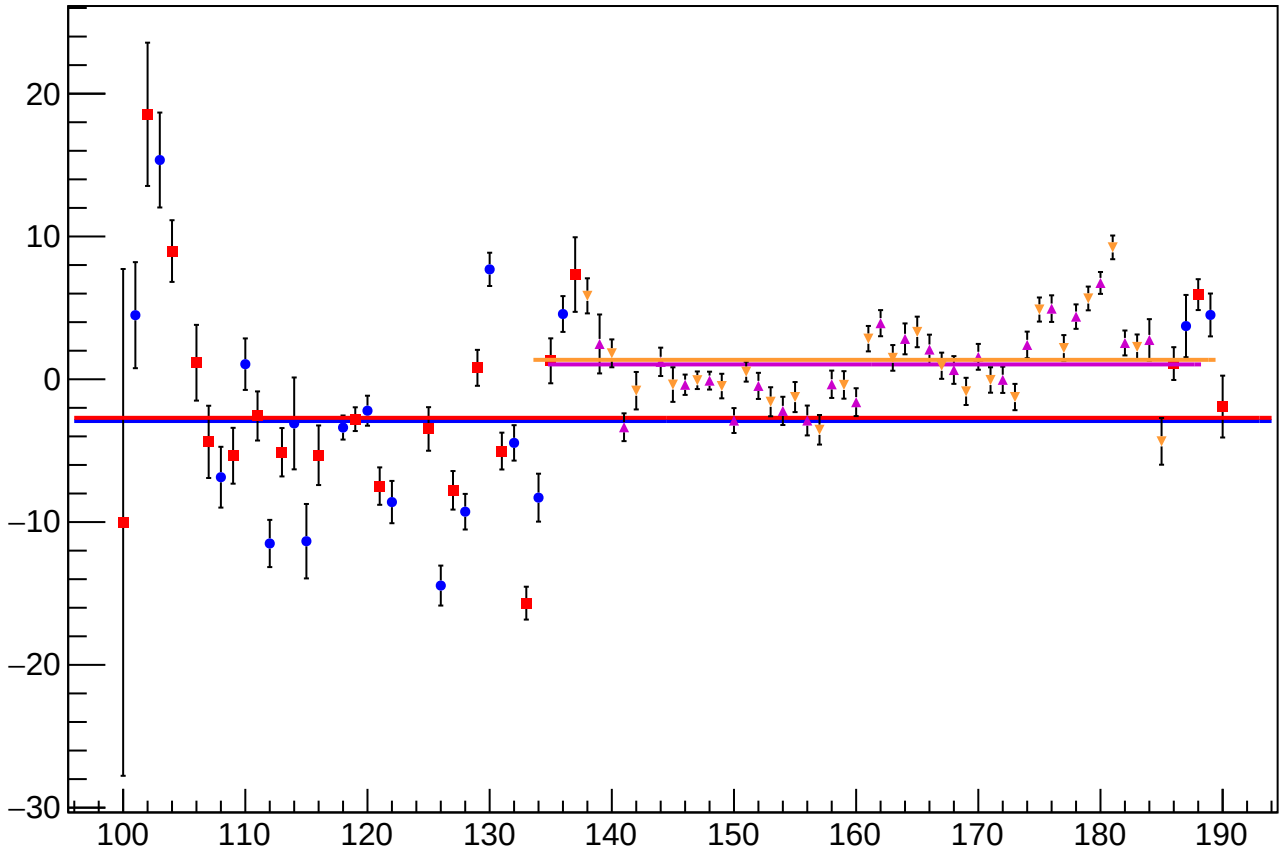
Right Out: -21.018+/-0.295 χ^2/NDF: 1873.7/20

Left In: -8.689+/-0.248 χ^2/NDF:5021.6/22

+ sign -14.573+/-0.196 χ^2/NDF: 7538.7/41

All: -14.162+/-0.136 χ^2/NDF: 15465.3/85

- sign -13.778+/-0.190 χ^2/NDF: 7918.1/43



Right In: -2.924+/-0.348 χ^2/NDF: 353.4/17

Left Out: 1.361+/-0.188 χ^2/NDF:240.3/23

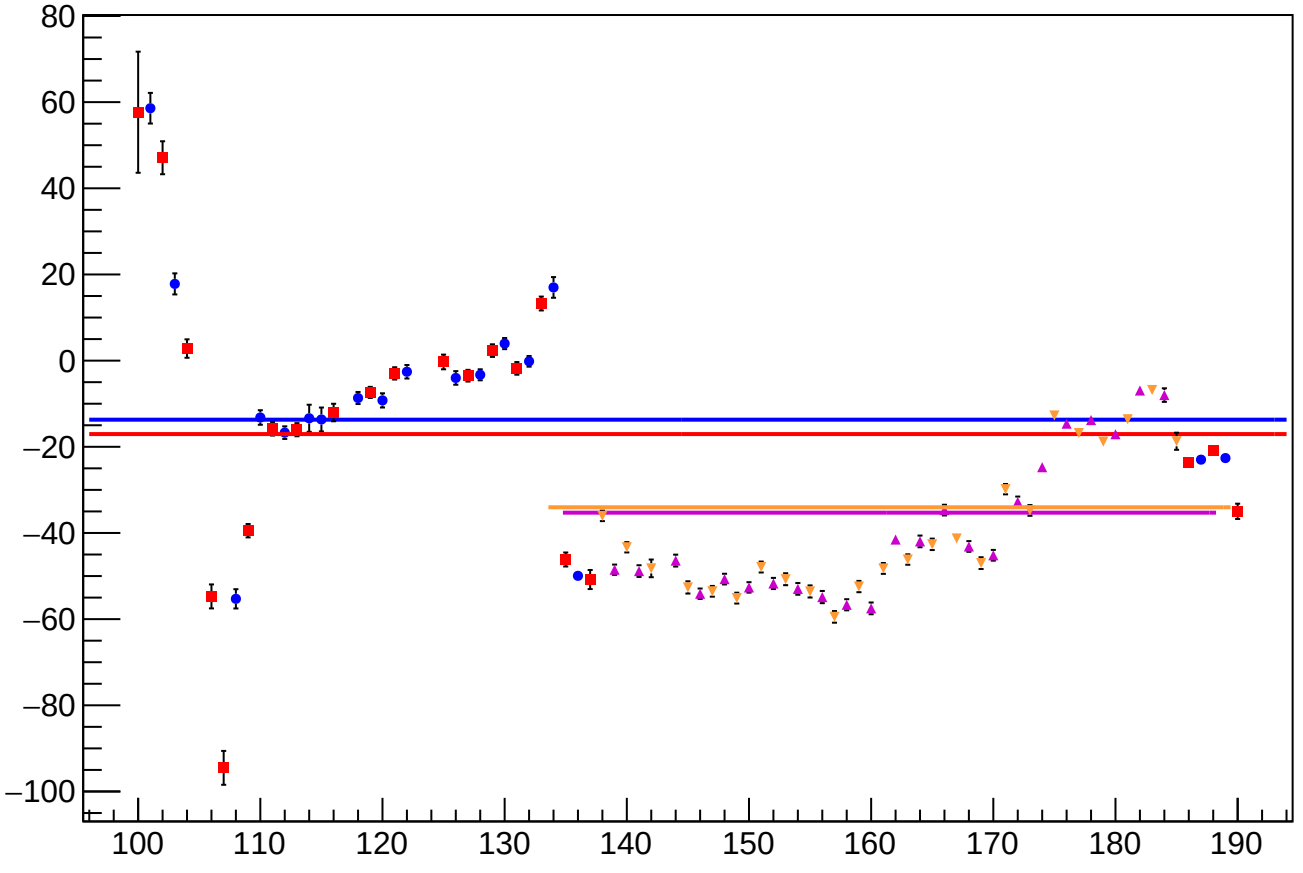
Right Out: -2.699+/-0.331 χ^2/NDF: 317.1/20

Left In: 1.041+/-0.192 χ^2/NDF:196.1/22

\+ sign 0.390+/-0.166 χ^2/NDF: 711.1/41

All: 0.245+/-0.117 χ^2/NDF: 1321.1/85

\- sign 0.098+/-0.166 χ^2/NDF: 608.4/43



Right In: -13.705+/-0.362 χ^2/NDF: 2825.3/17

Left Out: -34.036+/-0.243 χ^2/NDF:4965.7/23

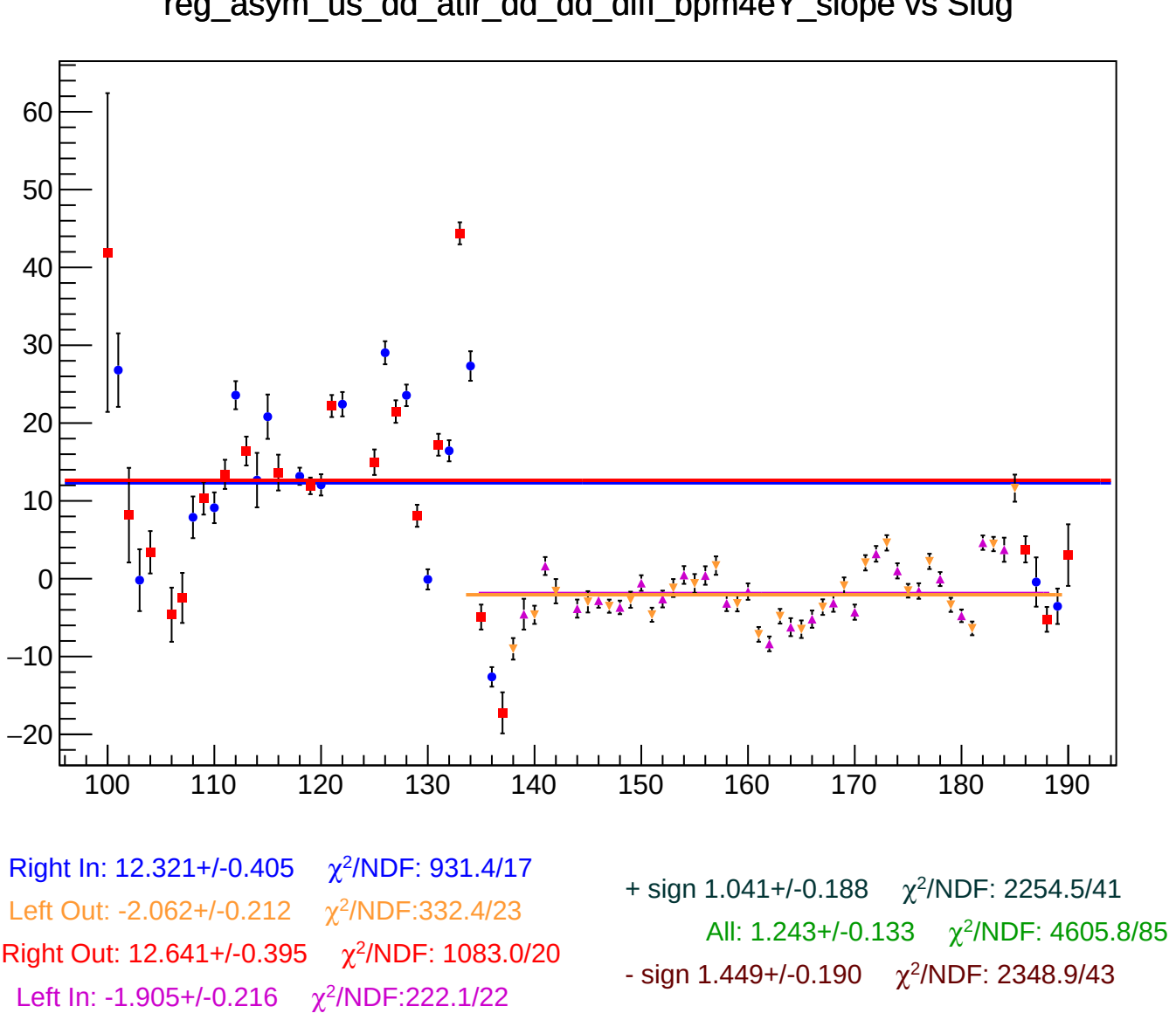
Right Out: -17.045+/-0.307 χ^2/NDF: 2946.1/20

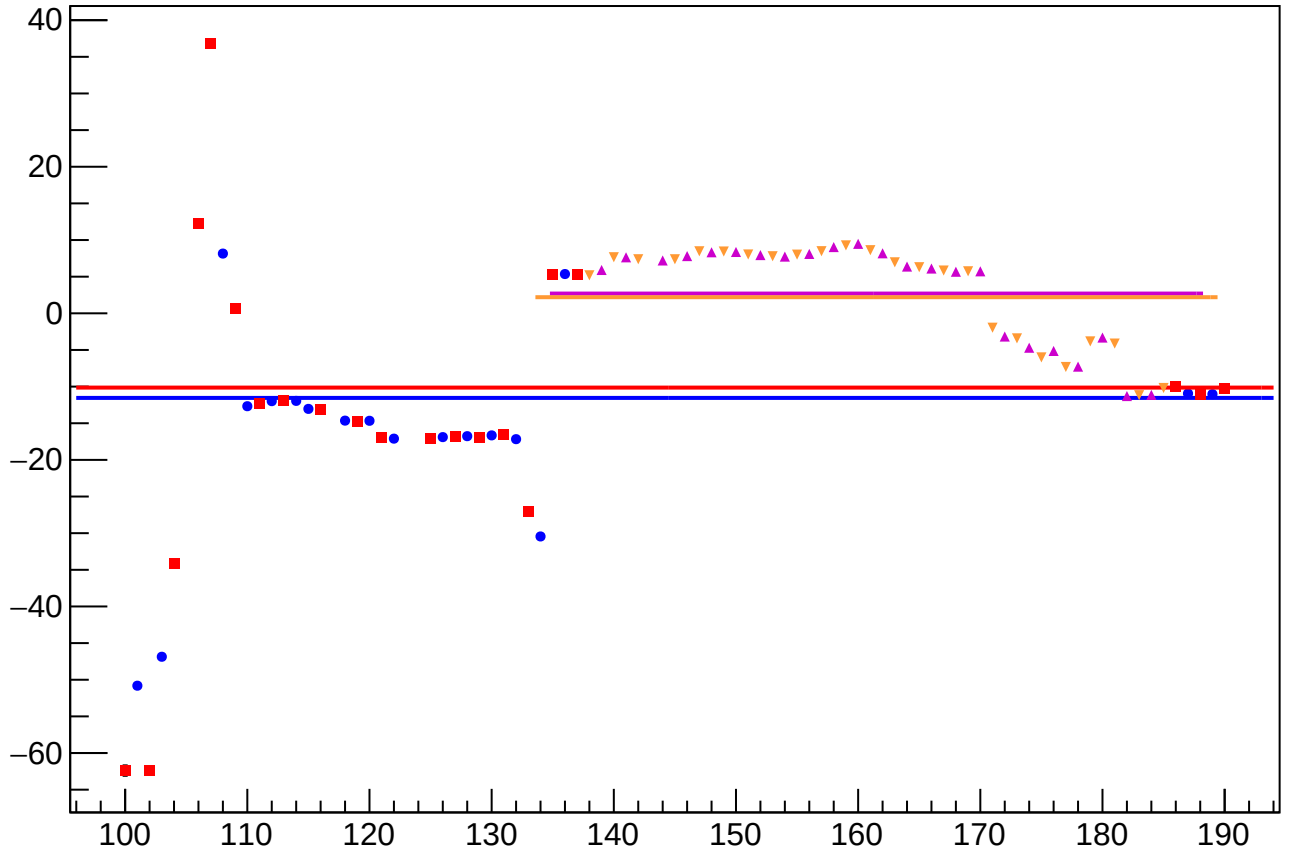
Left In: -35.285+/-0.245 χ^2/NDF:4998.0/22

+ sign -27.729+/-0.201 χ^2/NDF: 9970.7/41

All: -27.965+/-0.139 χ^2/NDF: 20069.2/85

- sign -28.179+/-0.192 χ^2/NDF: 10095.8/43


reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs Slug
60
50
40
30
20
10
0
−10
−20
100
110
120
130
140
150
160
170
180
190
Right In: 12.321+/-0.405 χ²/NDF: 931.4/17
Left Out: -2.062+/-0.212 χ²/NDF:332.4/23
Right Out: 12.641+/-0.395 χ²/NDF: 1083.0/20
Left In: -1.905+/-0.216 χ²/NDF:222.1/22
+ sign 1.041+/-0.188 χ²/NDF: 2254.5/41
All: 1.243+/-0.133 χ²/NDF: 4605.8/85
- sign 1.449+/-0.190 χ²/NDF: 2348.9/43



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: -10.135+/-0.025 χ^2/NDF: 396465.1/20

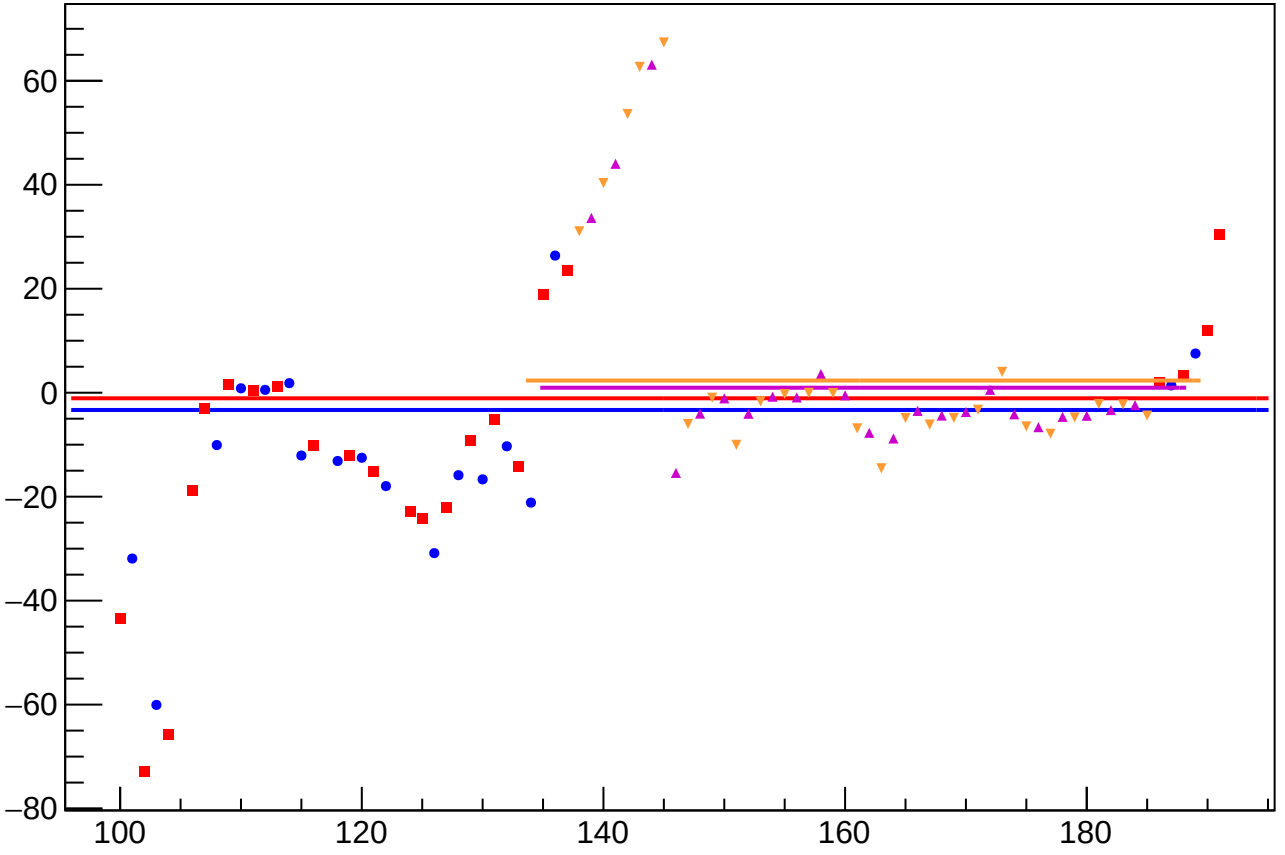
Left In: 2.694+/-0.010 χ^2/NDF:498824.3/22

\+ sign 0.475+/-0.009 χ^2/NDF: 1131672.3/41

All: 0.753+/-0.006 χ^2/NDF: 2262340.0/85

\- sign 1.034+/-0.009 χ^2/NDF: 1128694.1/43

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: -1.074+/-0.041 χ^2/NDF: 86112.6/22

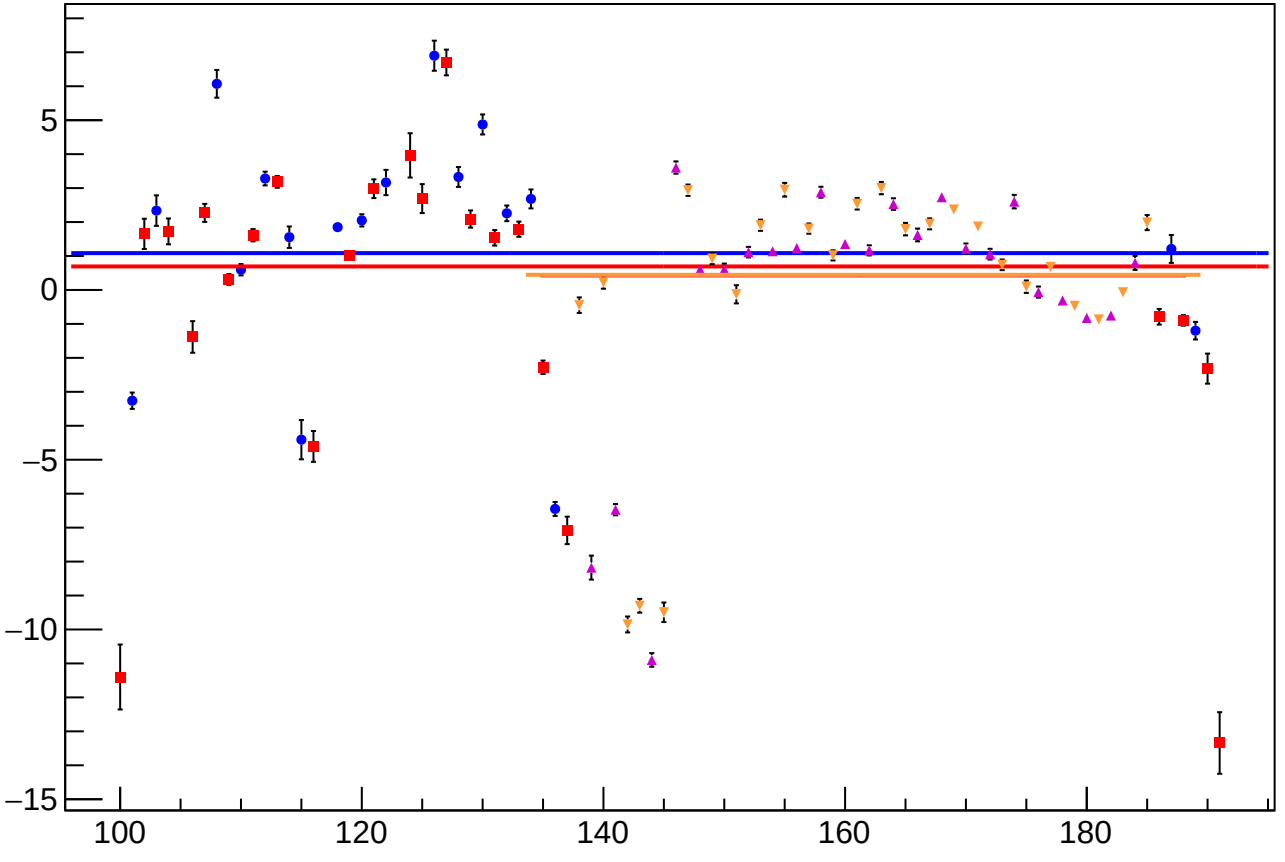
Left In: 0.957+/-0.040 χ^2/NDF:132519.8/22

+ sign 0.222+/-0.032 χ^2/NDF: 262408.6/42

All: 0.081+/-0.021 χ^2/NDF: 482336.7/88

- sign -0.032+/-0.029 χ^2/NDF: 219892.6/45

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: 0.692+/-0.052 χ^2/NDF: 2071.0/22

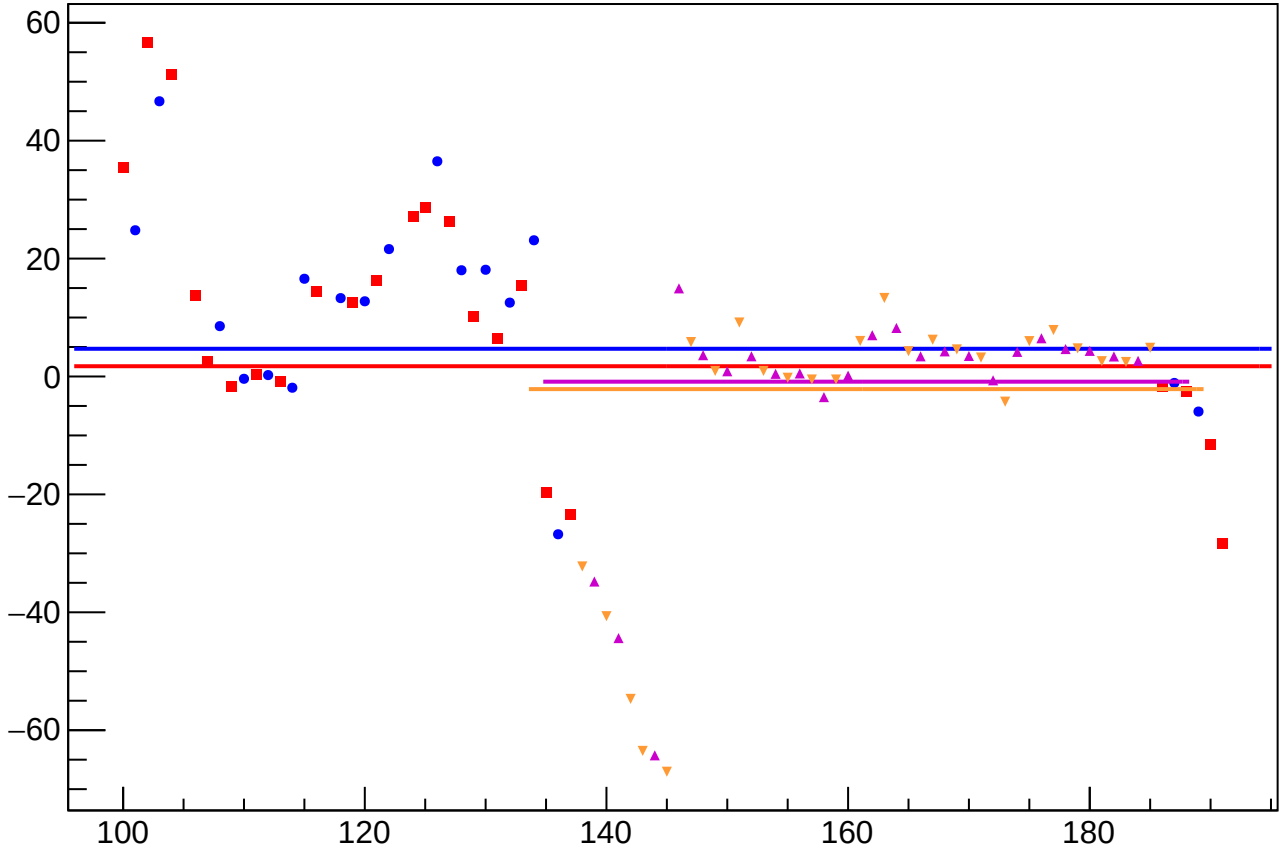
Left In: 0.427+/-0.031 χ^2/NDF:7102.3/22

+ sign 0.600+/-0.029 χ^2/NDF: 9801.7/42

All: 0.546+/-0.020 χ^2/NDF: 19000.8/88

- sign 0.499+/-0.027 χ^2/NDF: 9192.4/45

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: 1.741+/-0.046 χ^2/NDF: 83842.7/22

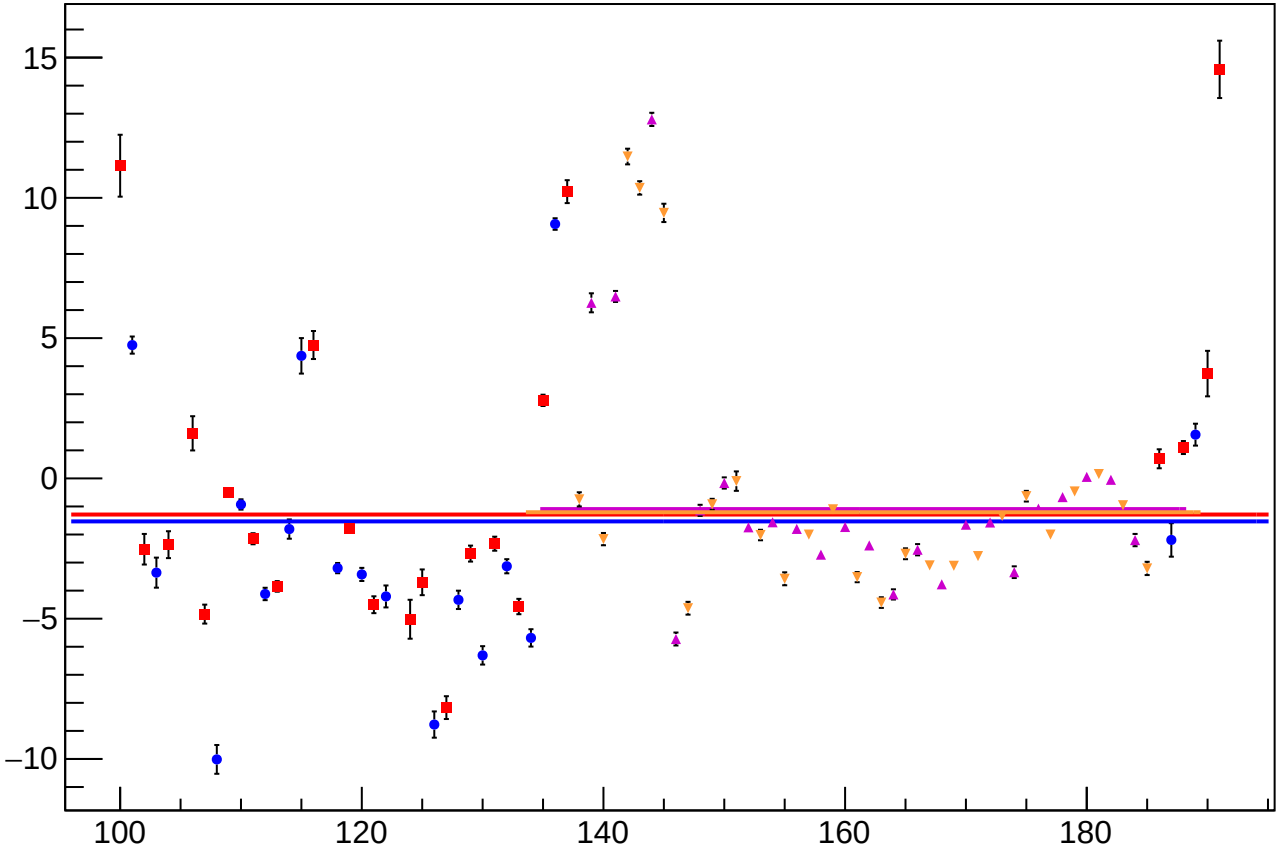
Left In: -0.881+/-0.039 χ^2/NDF:129197.8/22

+ sign 0.017+/-0.033 χ^2/NDF: 255514.2/42

All: 0.136+/-0.022 χ^2/NDF: 470461.5/88

- sign 0.231+/-0.030 χ^2/NDF: 214924.3/45

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.532+/-0.068 χ^2/NDF: 4590.9/17

Left Out: -1.206+/-0.036 χ^2/NDF:7003.0/24

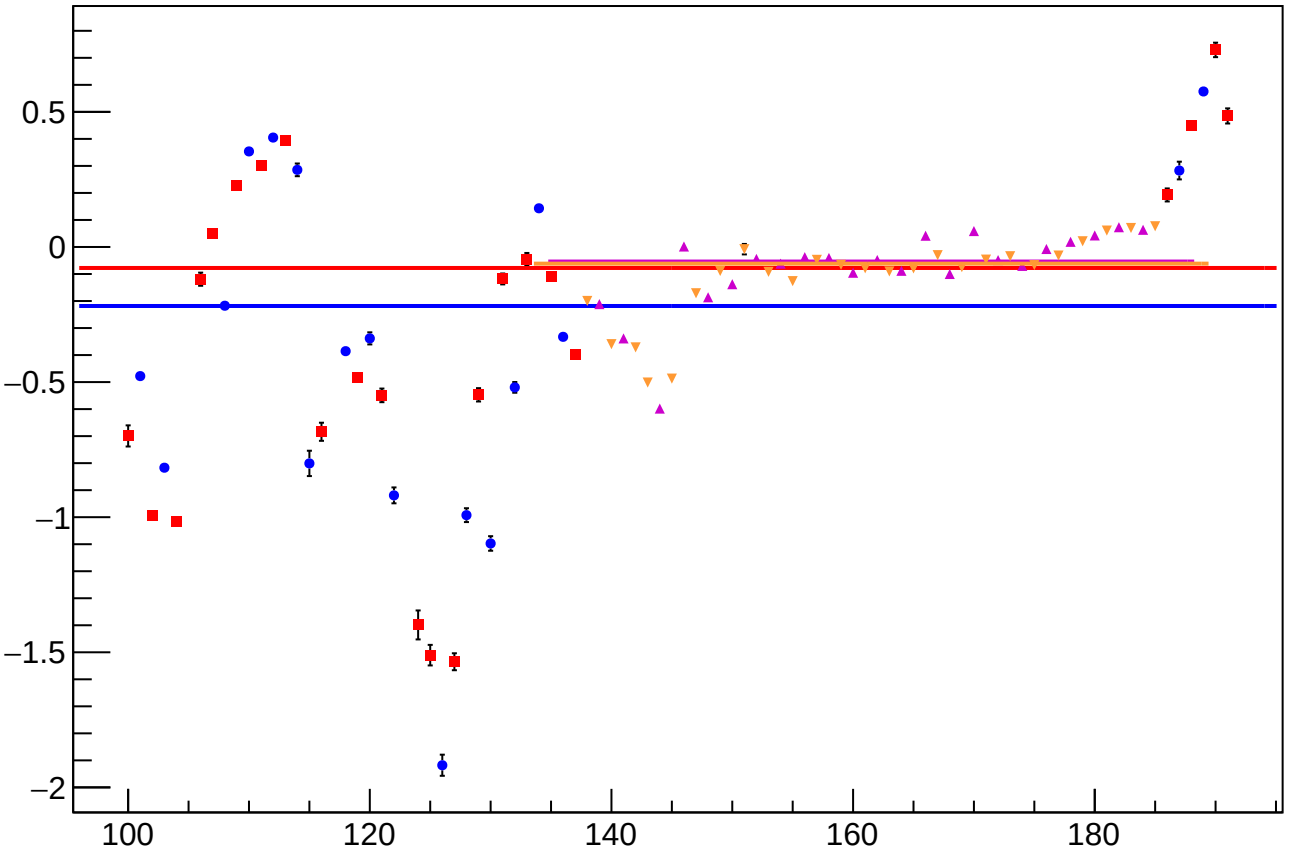
Right Out: -1.288+/-0.061 χ^2/NDF: 2911.7/22

Left In: -1.094+/-0.035 χ^2/NDF:7029.2/22

+ sign -1.278+/-0.032 χ^2/NDF: 11611.8/42

All: -1.206+/-0.022 χ^2/NDF: 21570.0/88

- sign -1.141+/-0.030 χ^2/NDF: 9948.5/45



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: -0.078+/-0.004 χ^2/NDF: 19409.7/22

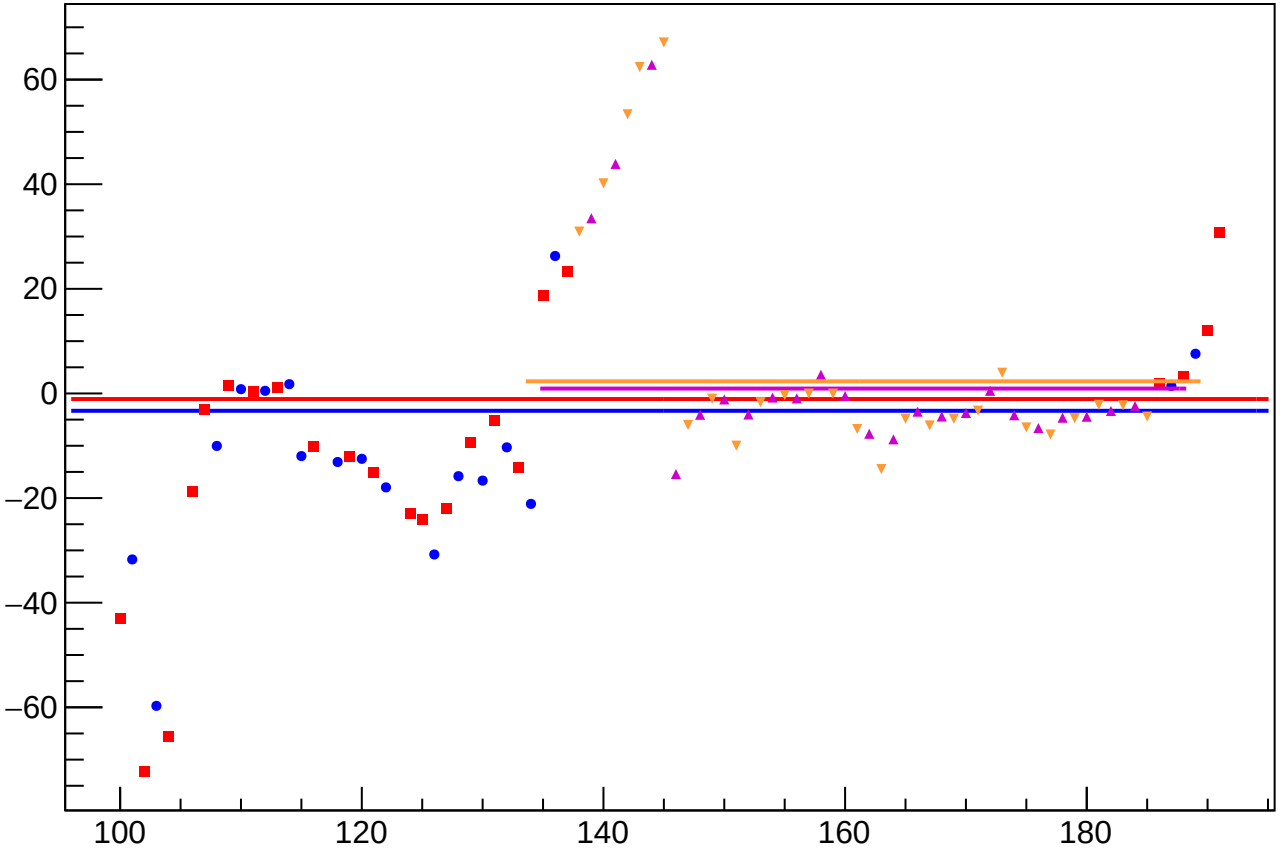
Left In: -0.054+/-0.001 χ^2/NDF:5029.9/22

+ sign -0.083+/-0.001 χ^2/NDF: 21563.3/42

All: -0.069+/-0.001 χ^2/NDF: 46199.6/88

- sign -0.058+/-0.001 χ^2/NDF: 24478.3/45

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: -1.067+/-0.041 χ^2/NDF: 86124.8/22

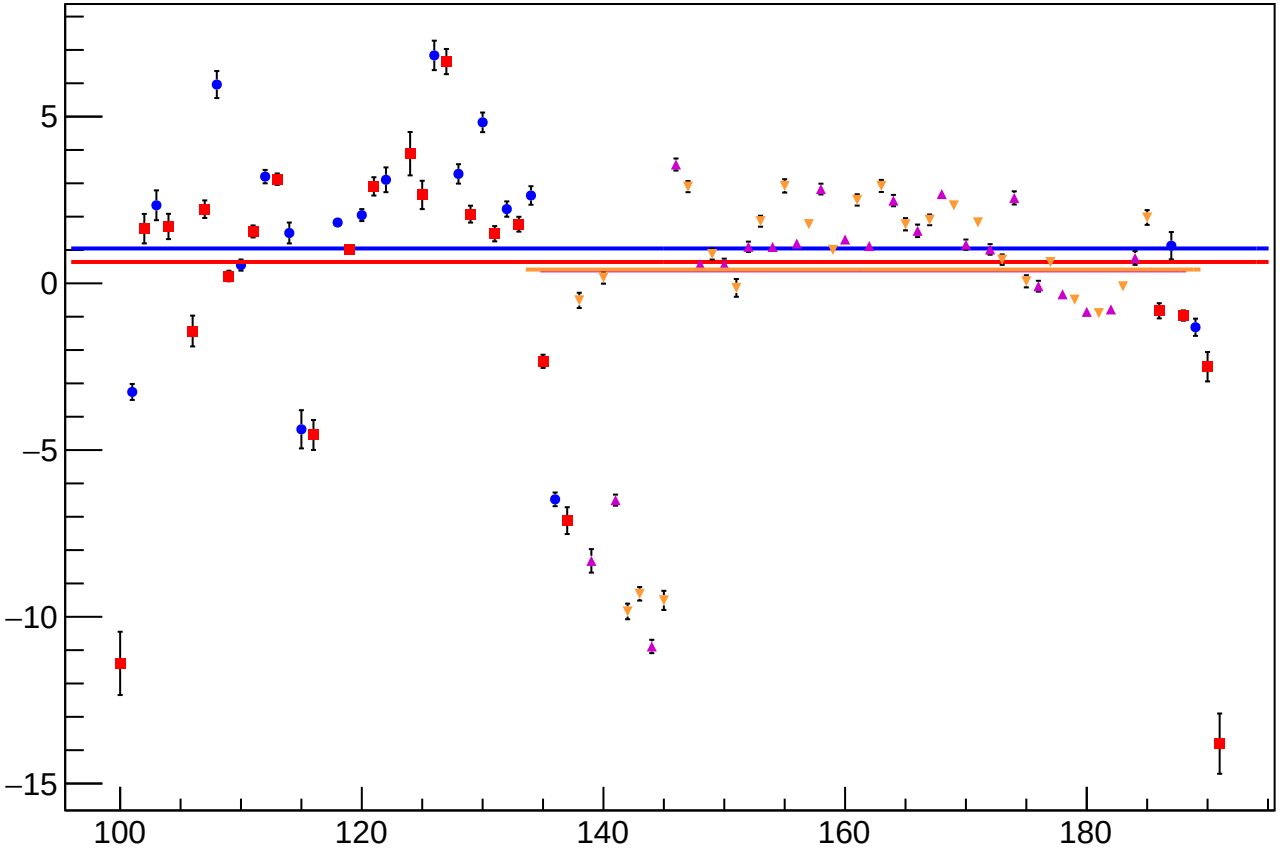
Left In: 0.935+/-0.040 χ^2/NDF:132405.3/22

+ sign 0.203+/-0.032 χ^2/NDF: 262187.2/42

All: 0.066+/-0.021 χ^2/NDF: 481988.9/88

- sign -0.045+/-0.028 χ^2/NDF: 219767.7/45

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: 0.641+/-0.052 χ^2/NDF: 2108.1/22

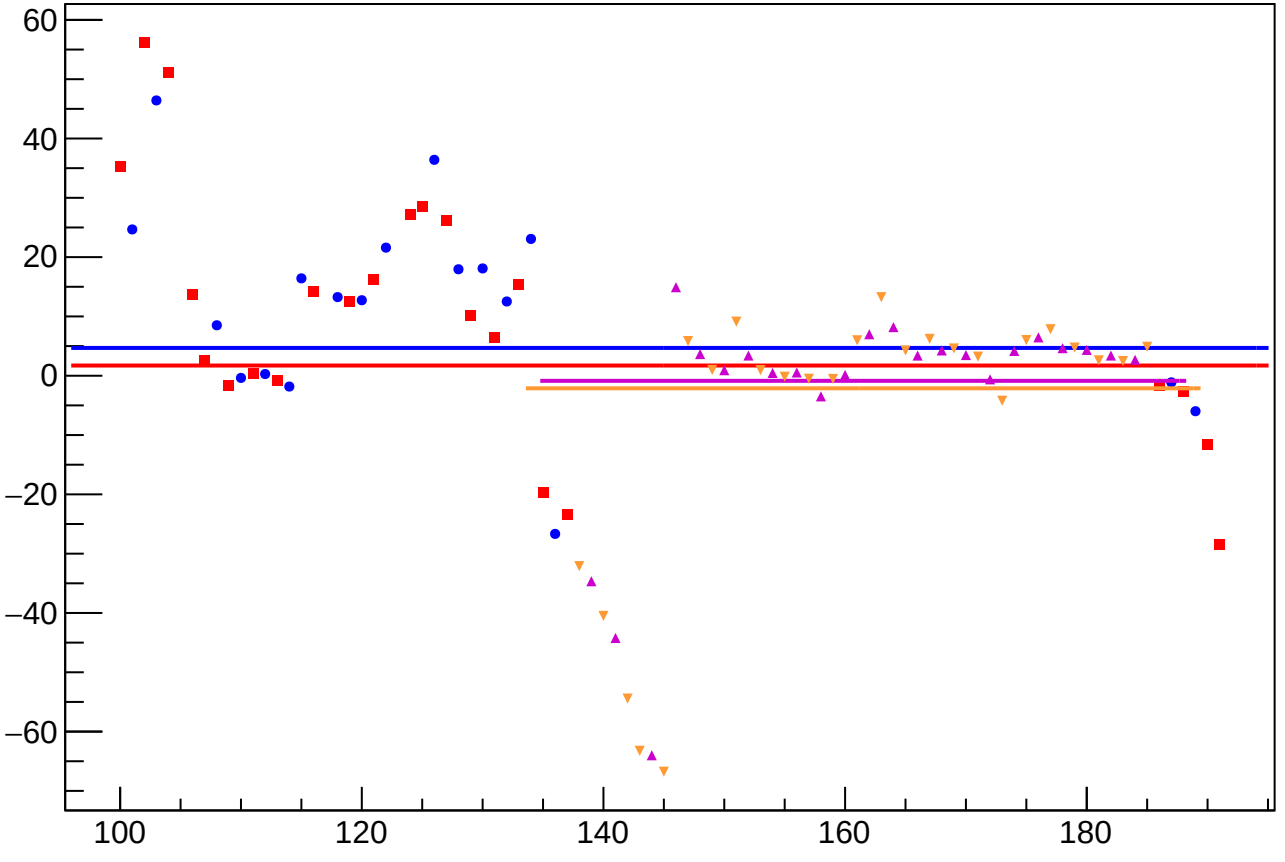
Left In: 0.389+/-0.031 χ^2/NDF:7114.2/22

+ sign 0.567+/-0.029 χ^2/NDF: 9810.2/42

All: 0.508+/-0.020 χ^2/NDF: 19057.7/88

- sign 0.457+/-0.027 χ^2/NDF: 9239.7/45

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: 1.723+/-0.045 χ^2/NDF: 83862.7/22

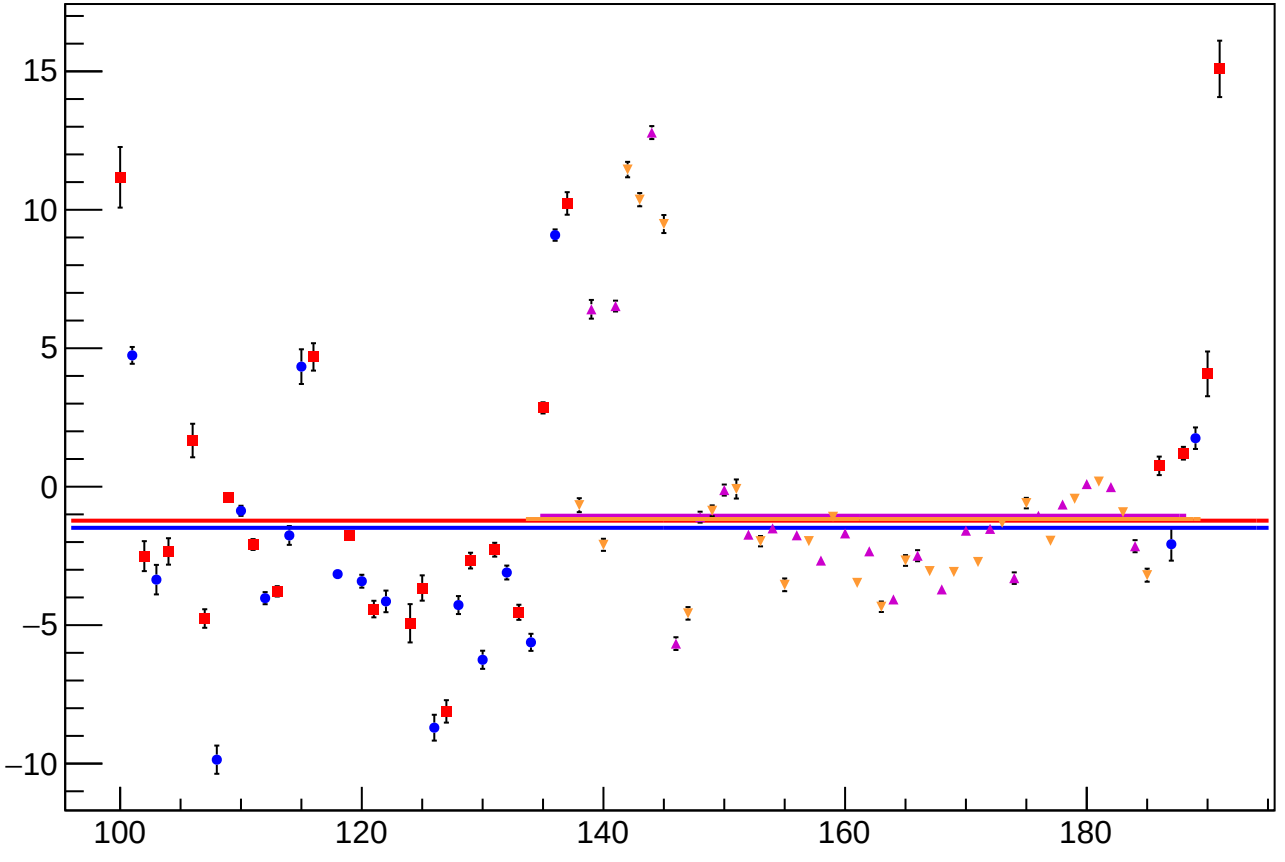
Left In: -0.859+/-0.039 χ^2/NDF:129084.9/22

\+ sign 0.035+/-0.033 χ^2/NDF: 255292.1/42

All: 0.151+/-0.022 χ^2/NDF: 470109.4/88

\- sign 0.243+/-0.030 χ^2/NDF: 214795.5/45

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: -1.227+/-0.061 χ^2/NDF: 2951.3/22

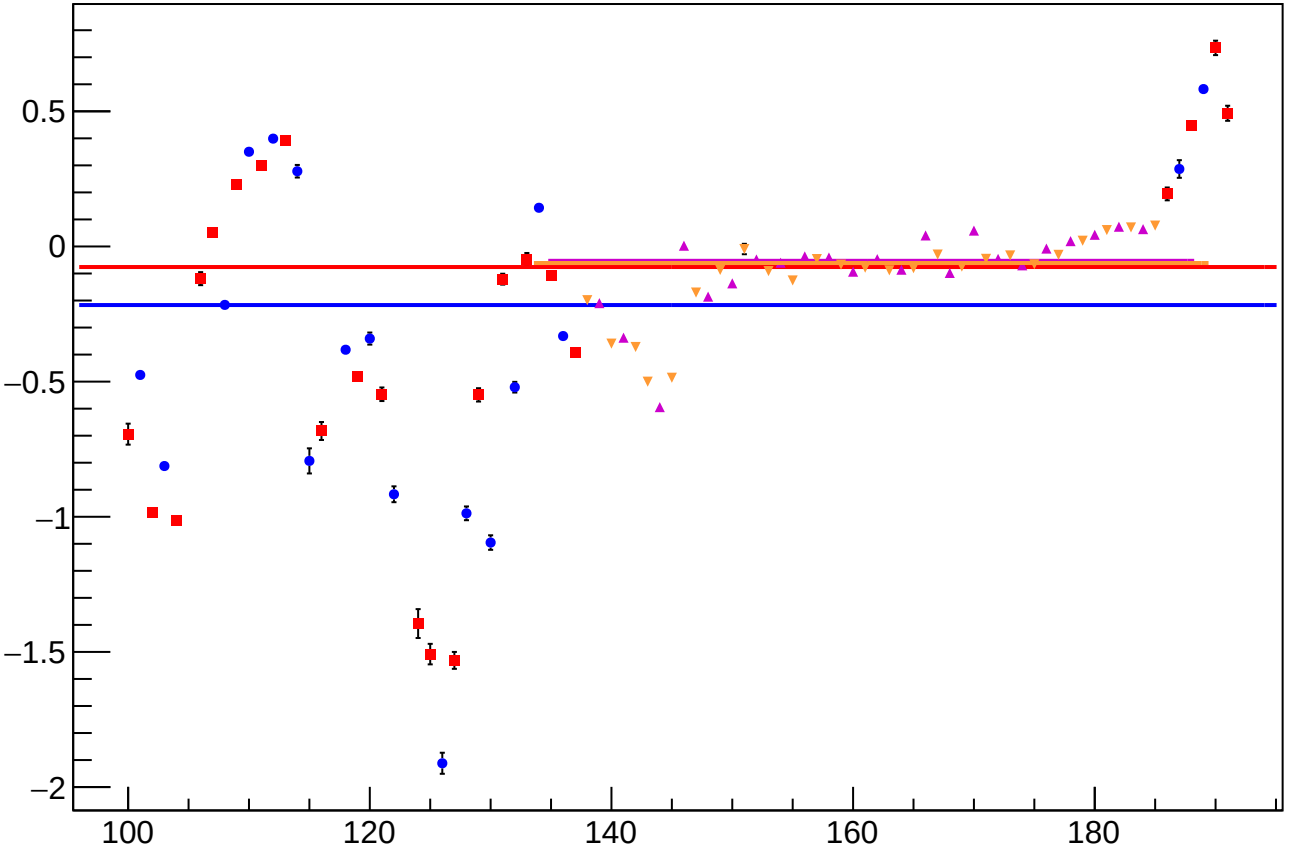
Left In: -1.048+/-0.035 χ^2/NDF:7040.7/22

+ sign -1.238+/-0.032 χ^2/NDF: 11615.0/42

All: -1.161+/-0.022 χ^2/NDF: 21624.5/88

- sign -1.092+/-0.030 χ^2/NDF: 9998.6/45

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: -0.076+/-0.004 χ^2/NDF: 19475.8/22

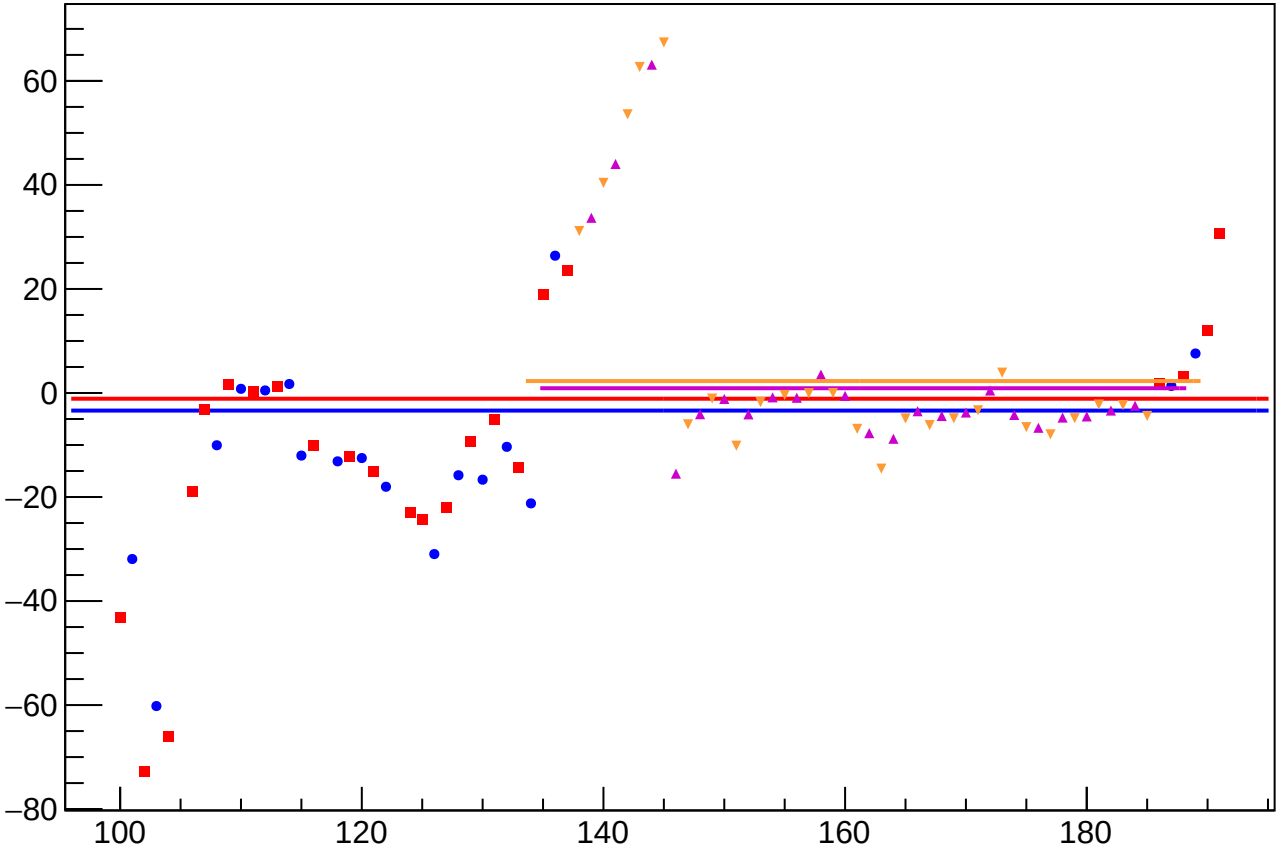
Left In: -0.053+/-0.001 χ^2/NDF:5006.2/22

+ sign -0.082+/-0.001 χ^2/NDF: 21613.4/42

All: -0.069+/-0.001 χ^2/NDF: 46295.3/88

- sign -0.057+/-0.001 χ^2/NDF: 24518.6/45

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: -1.101+/-0.041 χ^2/NDF: 86158.2/22

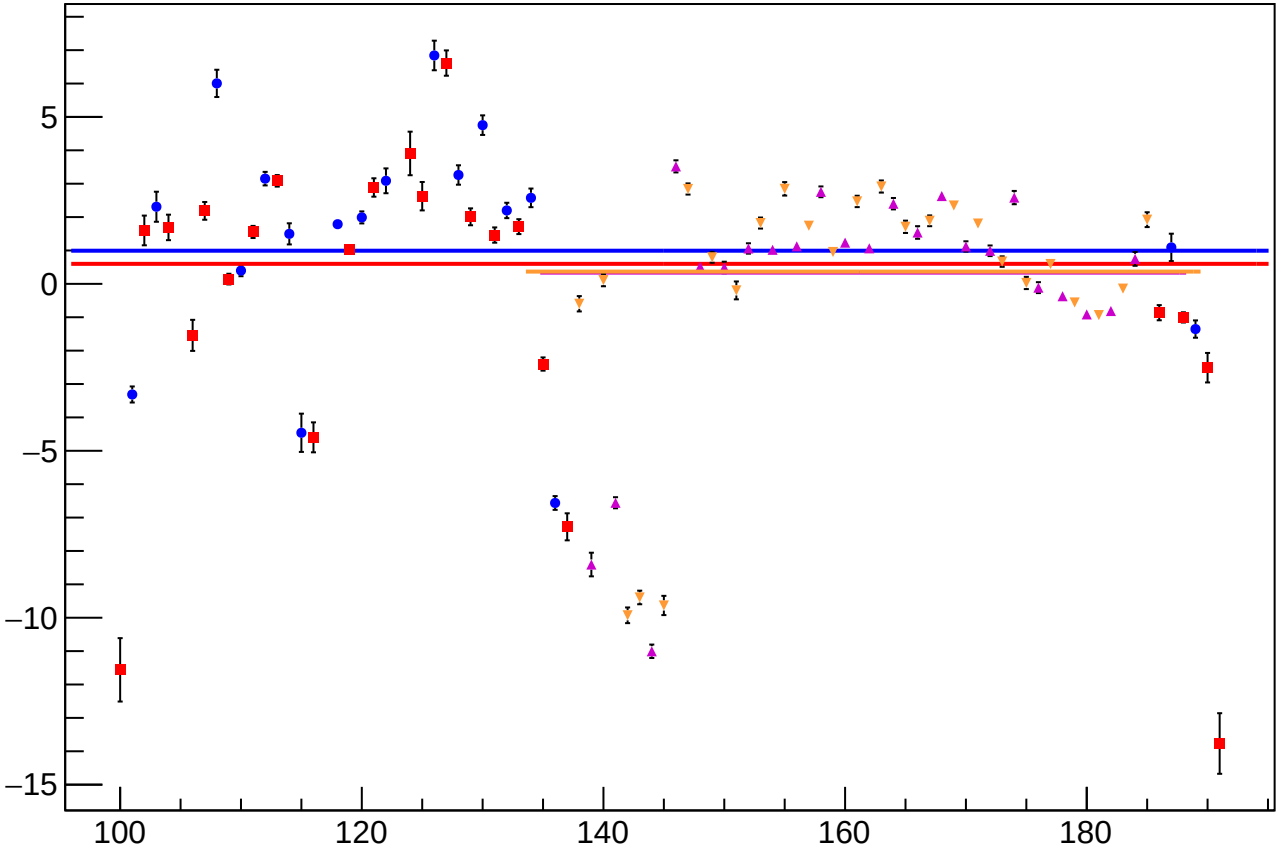
Left In: 0.912+/-0.040 χ^2/NDF:132573.8/22

+ sign 0.170+/-0.032 χ^2/NDF: 262647.7/42

All: 0.036+/-0.021 χ^2/NDF: 482651.4/88

- sign -0.071+/-0.029 χ^2/NDF: 219972.0/45

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: 0.599+/-0.052 χ^2/NDF: 2118.0/22

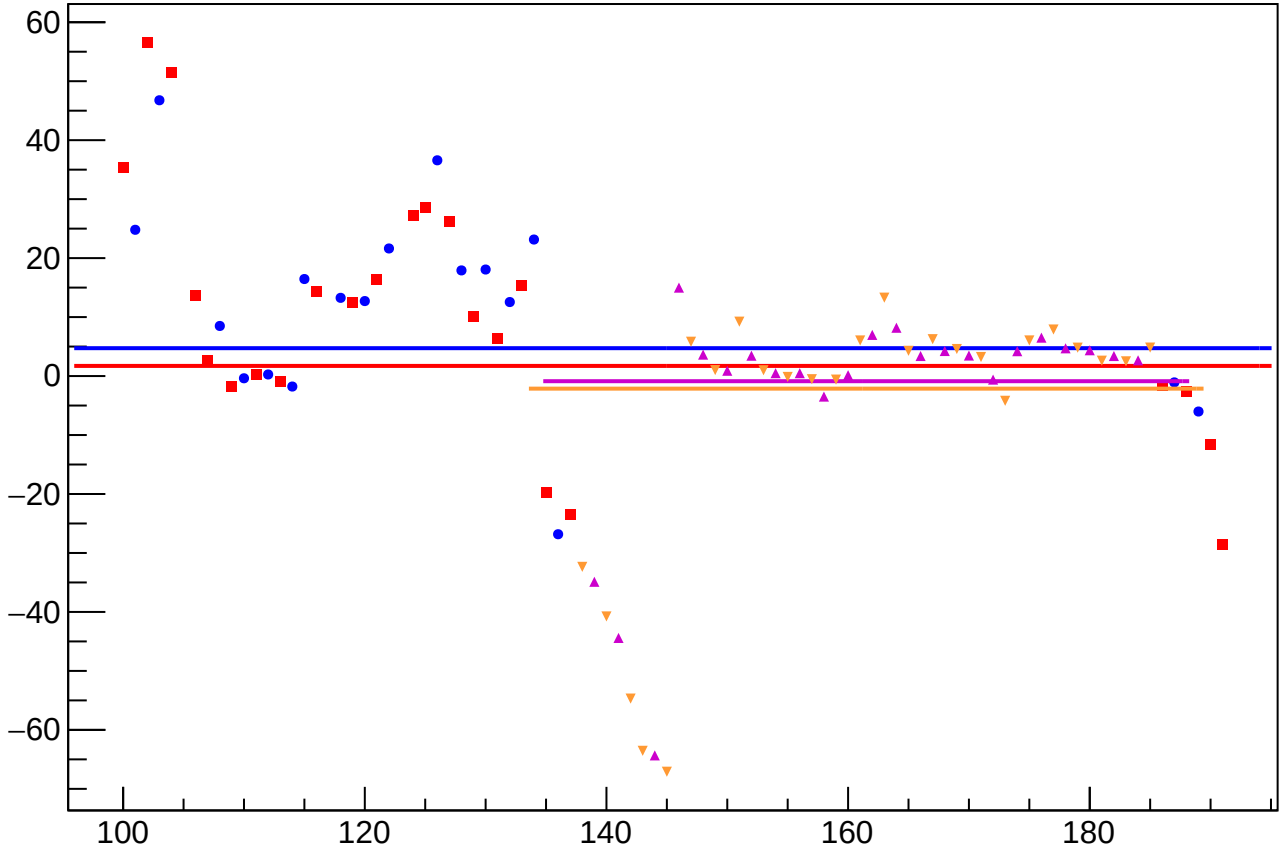
Left In: 0.337+/-0.031 χ^2/NDF:7094.3/22

+ sign 0.519+/-0.029 χ^2/NDF: 9833.3/42

All: 0.460+/-0.020 χ^2/NDF: 19072.4/88

- sign 0.407+/-0.027 χ^2/NDF: 9231.1/45

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: 1.720+/-0.046 χ^2/NDF: 83930.0/22

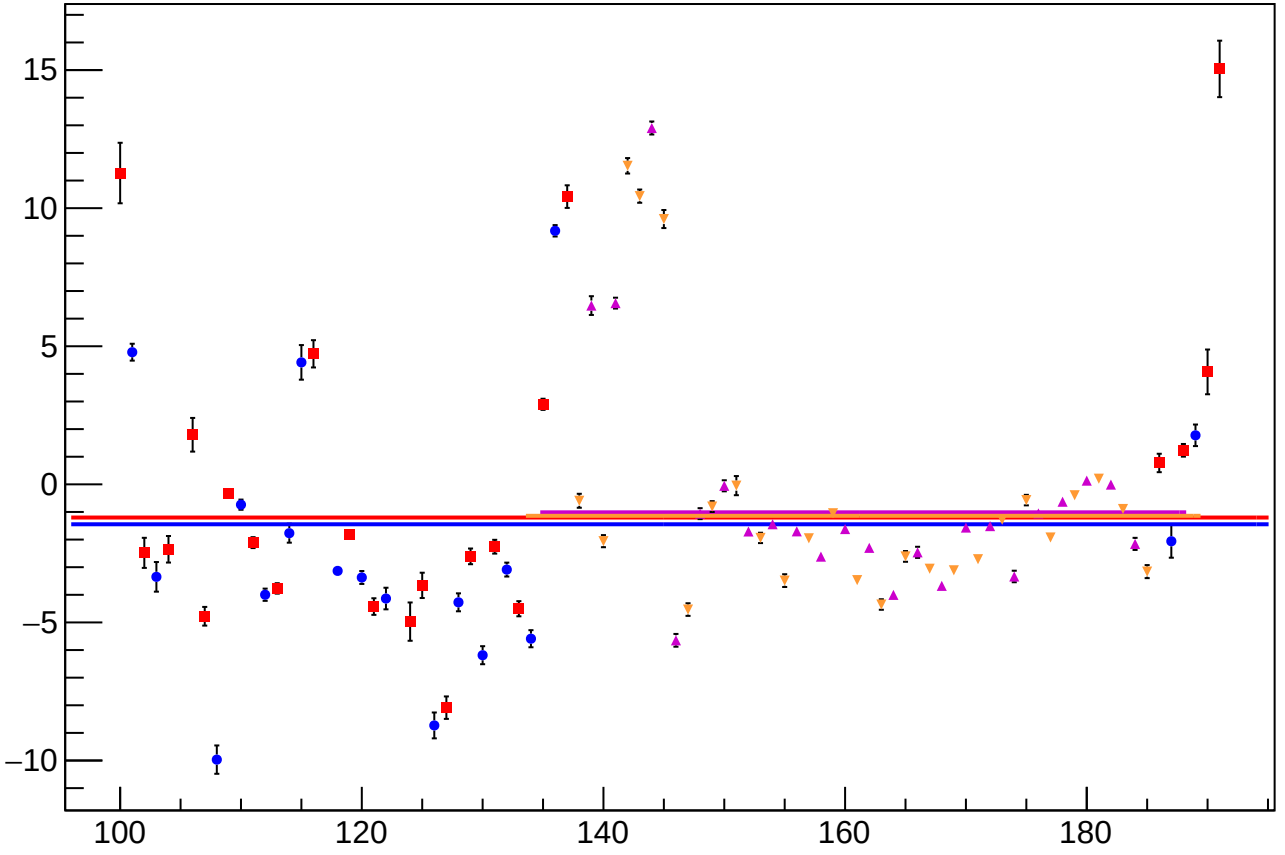
Left In: -0.871+/-0.039 χ^2/NDF:129263.4/22

+ sign 0.034+/-0.033 χ^2/NDF: 255764.9/42

All: 0.146+/-0.022 χ^2/NDF: 470827.4/88

- sign 0.235+/-0.030 χ^2/NDF: 215042.2/45

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: -1.202+/-0.061 χ^2/NDF: 2971.5/22

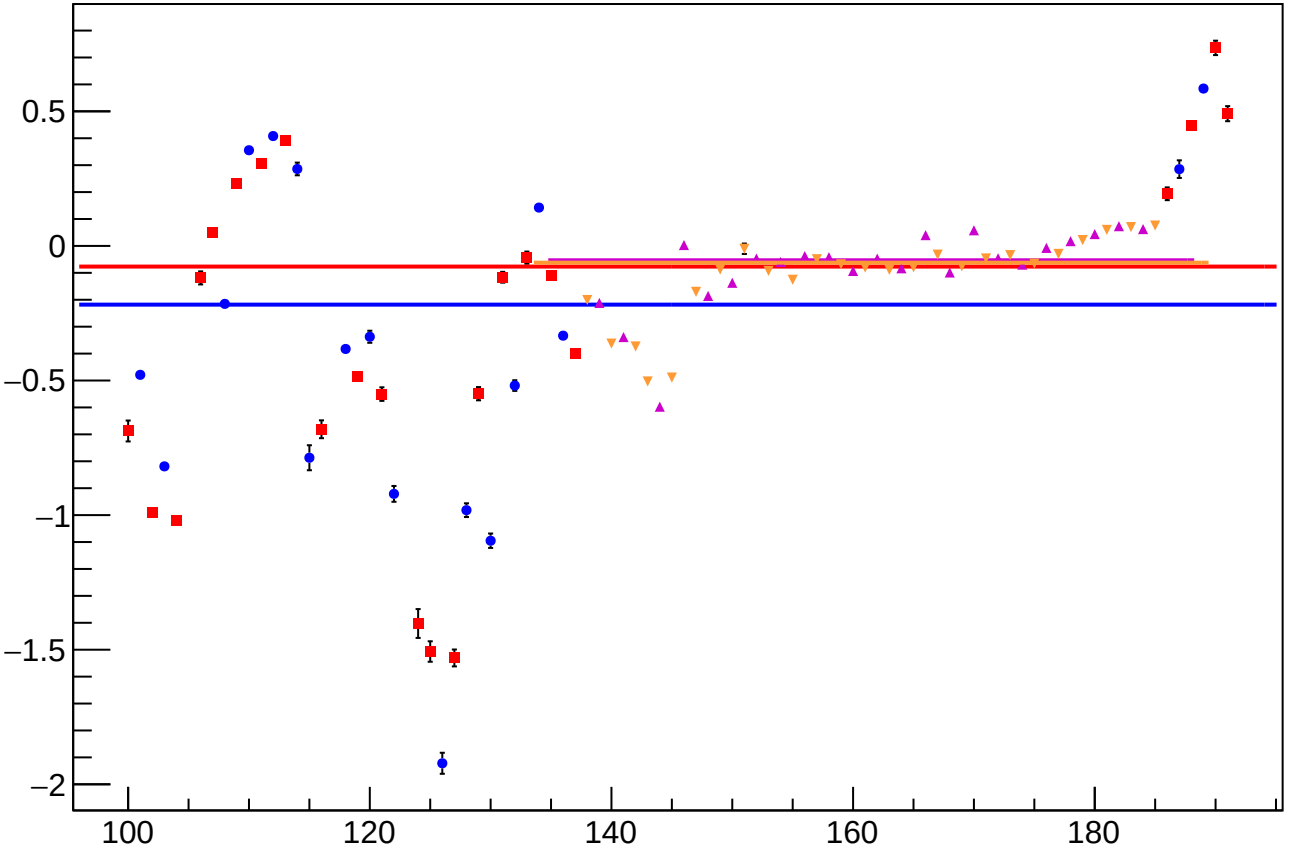
Left In: -1.013+/-0.035 χ^2/NDF:7027.2/22

+ sign -1.208+/-0.032 χ^2/NDF: 11645.5/42

All: -1.129+/-0.022 χ^2/NDF: 21662.7/88

- sign -1.060+/-0.030 χ^2/NDF: 10005.9/45

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

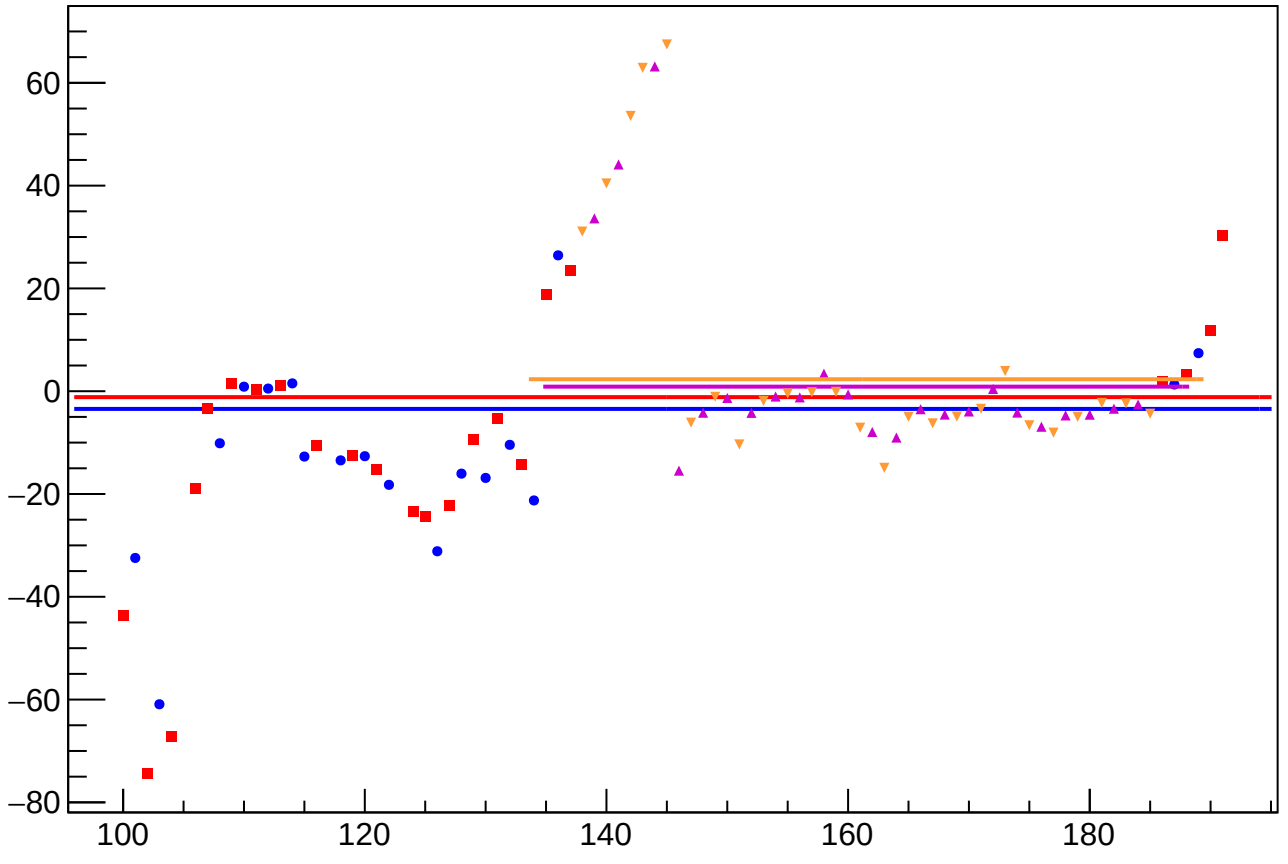
Right Out: -0.077+/-0.004 χ^2/NDF: 19453.8/22

Left In: -0.053+/-0.001 χ^2/NDF:4993.7/22

+ sign -0.083+/-0.001 χ^2/NDF: 21639.8/42

All: -0.069+/-0.001 χ^2/NDF: 46295.1/88

- sign -0.057+/-0.001 χ^2/NDF: 24485.0/45



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: -1.153+/-0.042 χ^2/NDF: 85232.2/22

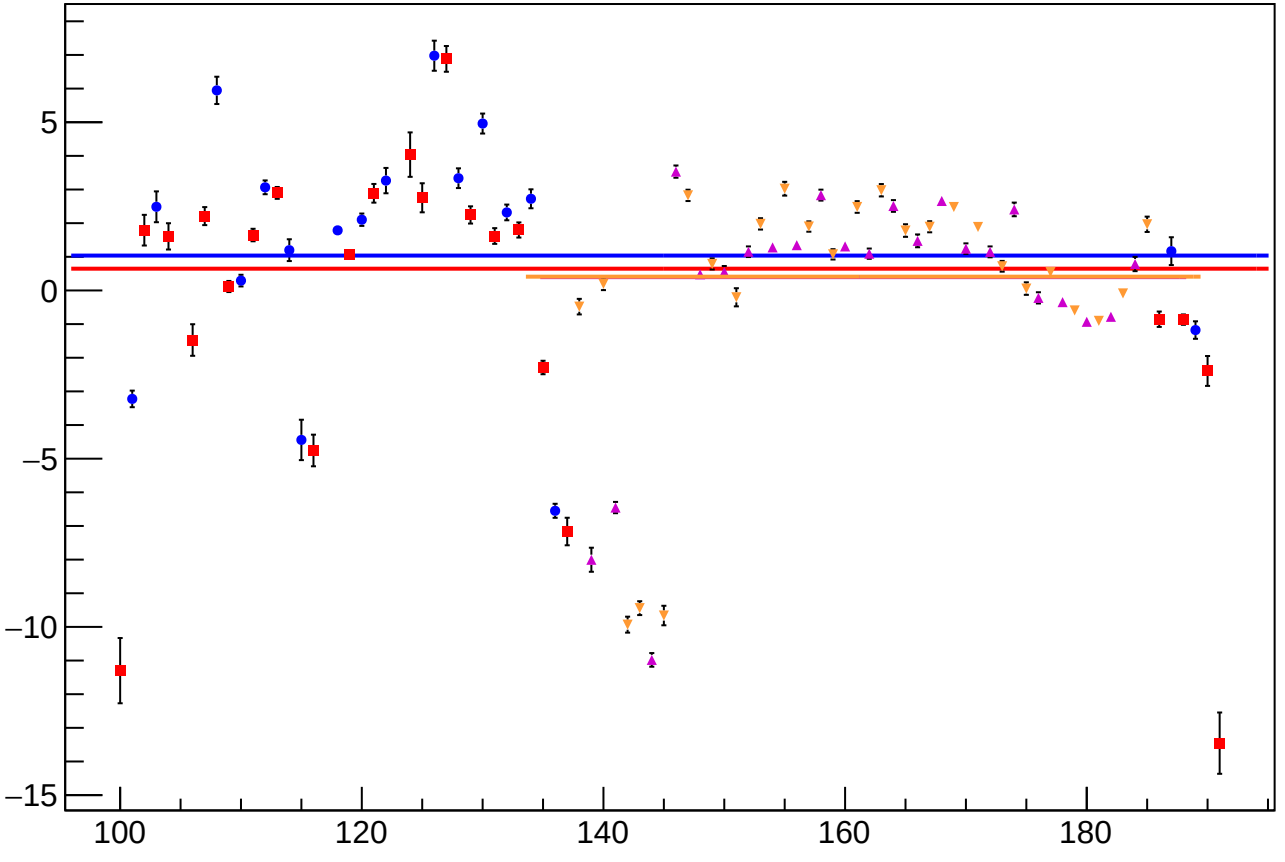
Left In: 0.887+/-0.041 χ^2/NDF:130417.3/22

+ sign 0.162+/-0.032 χ^2/NDF: 259030.5/42

All: 0.011+/-0.022 χ^2/NDF: 475944.7/88

- sign -0.111+/-0.029 χ^2/NDF: 216874.9/45

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: 0.647+/-0.053 χ^2/NDF: 2030.7/22

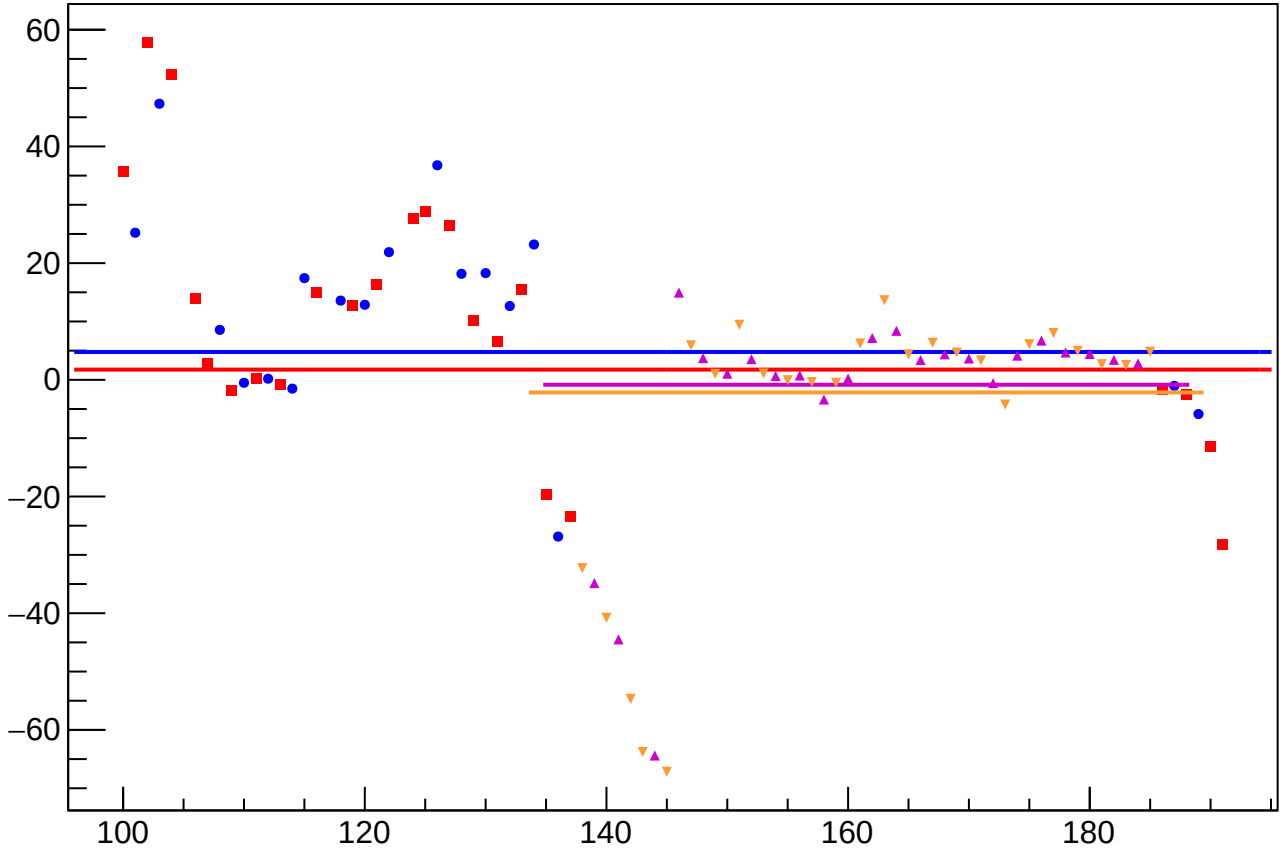
Left In: 0.396+/-0.032 χ^2/NDF:6932.0/22

+ sign 0.561+/-0.029 χ^2/NDF: 9759.2/42

All: 0.510+/-0.020 χ^2/NDF: 18744.2/88

- sign 0.464+/-0.027 χ^2/NDF: 8979.2/45

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: 1.752+/-0.046 χ^2/NDF: 83042.3/22

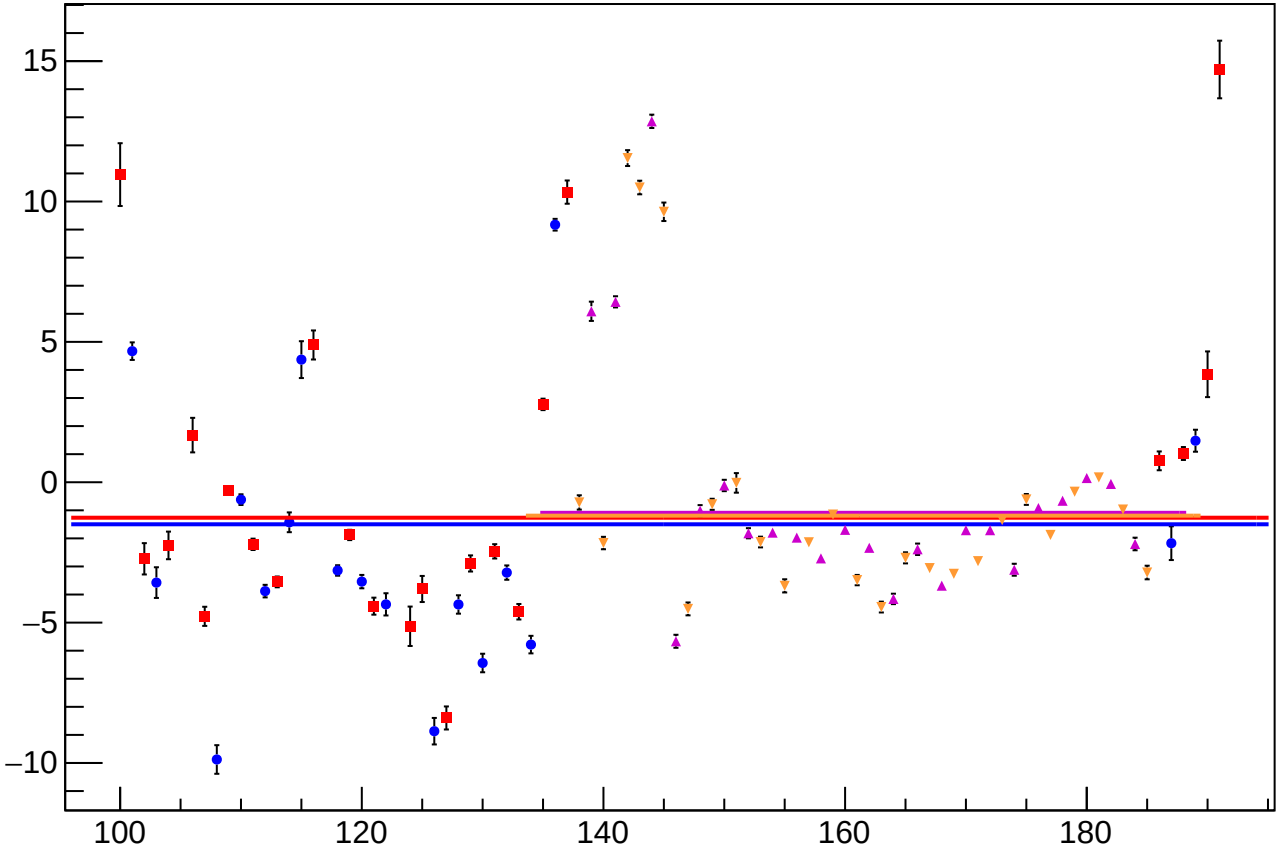
Left In: -0.843+/-0.040 χ^2/NDF:127135.3/22

\+ sign 0.038+/-0.034 χ^2/NDF: 252225.3/42

All: 0.169+/-0.023 χ^2/NDF: 464222.9/88

\- sign 0.273+/-0.030 χ^2/NDF: 211971.0/45

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: -1.264+/-0.062 χ^2/NDF: 2869.5/22

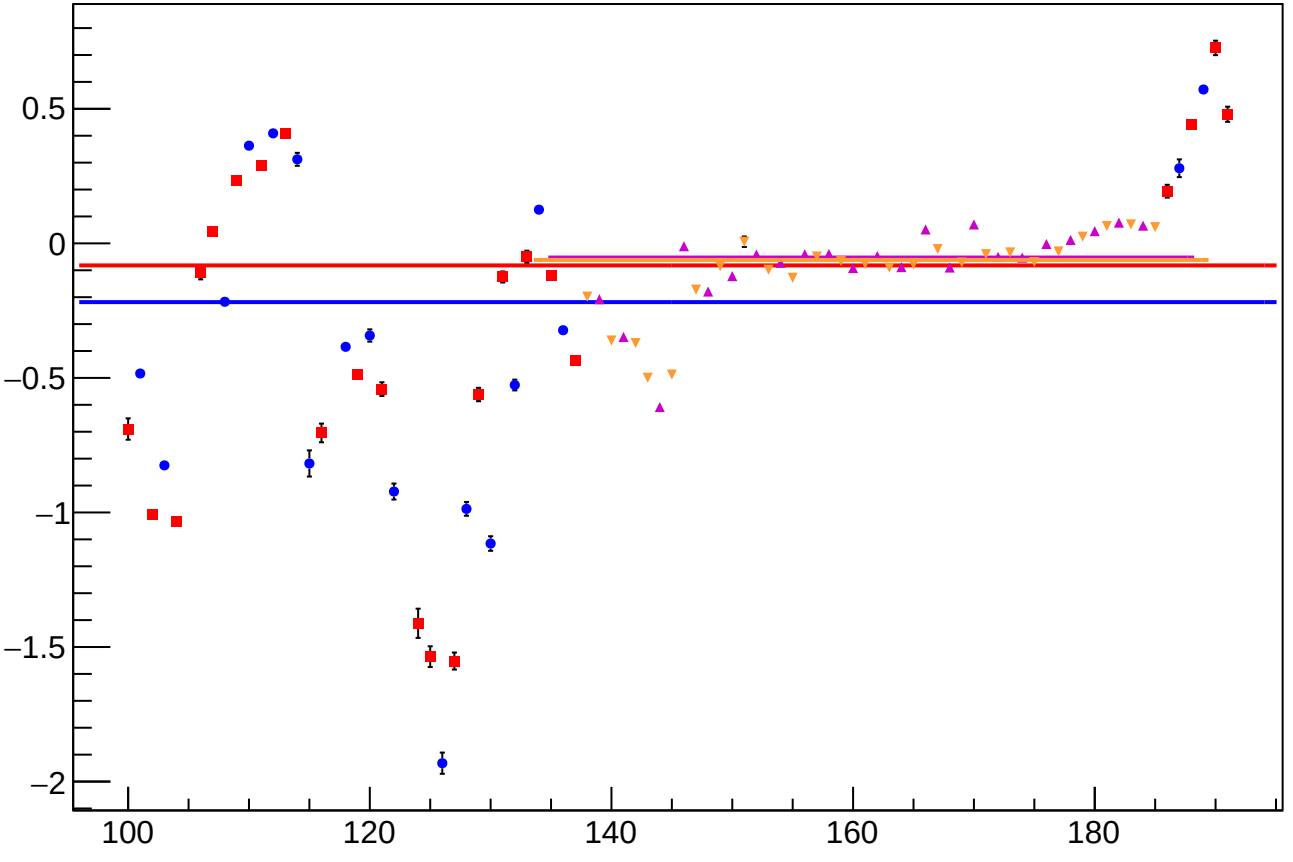
Left In: -1.089+/-0.036 χ^2/NDF:6840.8/22

+ sign -1.259+/-0.033 χ^2/NDF: 11544.5/42

All: -1.192+/-0.022 χ^2/NDF: 21268.6/88

- sign -1.133+/-0.031 χ^2/NDF: 9716.2/45

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: -0.082+/-0.004 χ^2/NDF: 19235.6/22

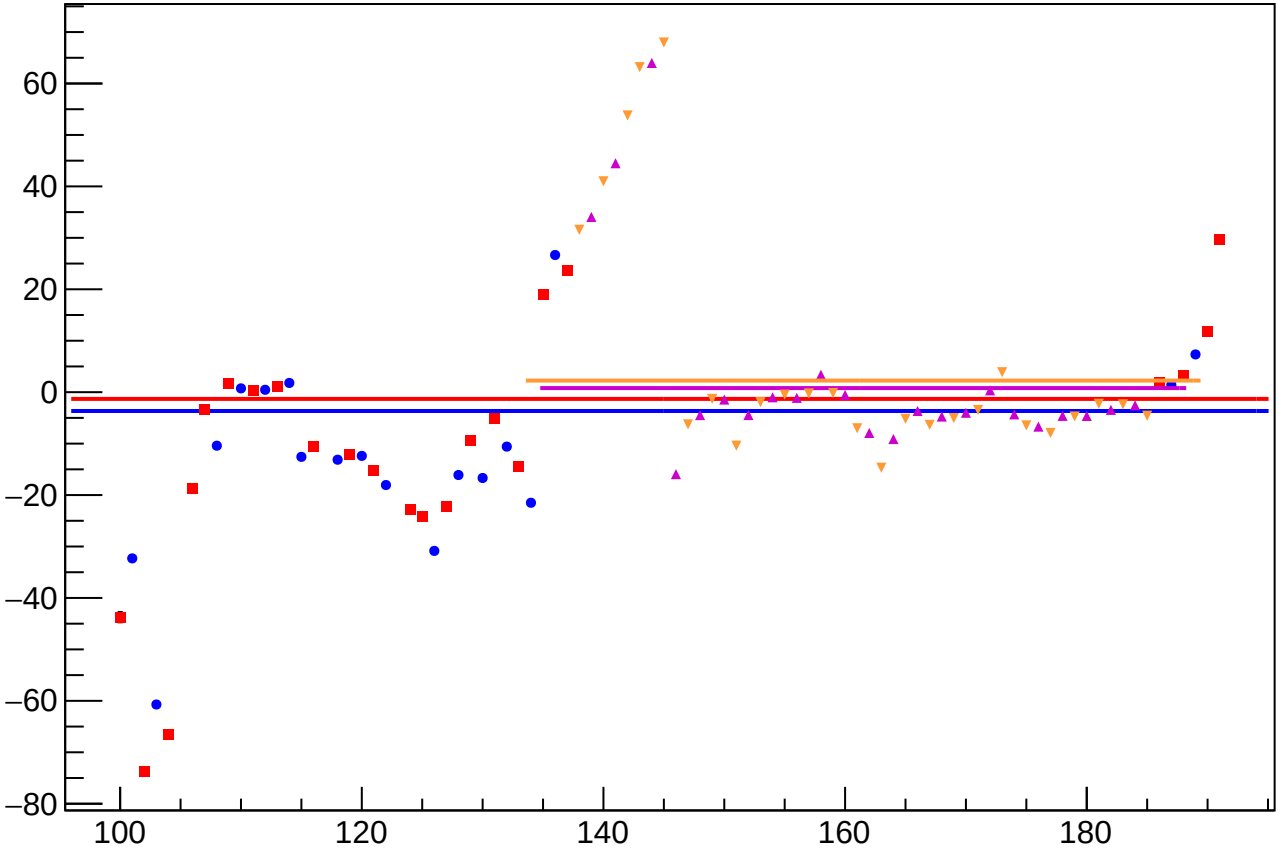
Left In: -0.053+/-0.002 χ^2/NDF:5036.0/22

+ sign -0.083+/-0.002 χ^2/NDF: 21142.2/42

All: -0.069+/-0.001 χ^2/NDF: 45625.6/88

- sign -0.057+/-0.001 χ^2/NDF: 24328.0/45

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: -1.307+/-0.043 χ^2/NDF: 83451.8/22

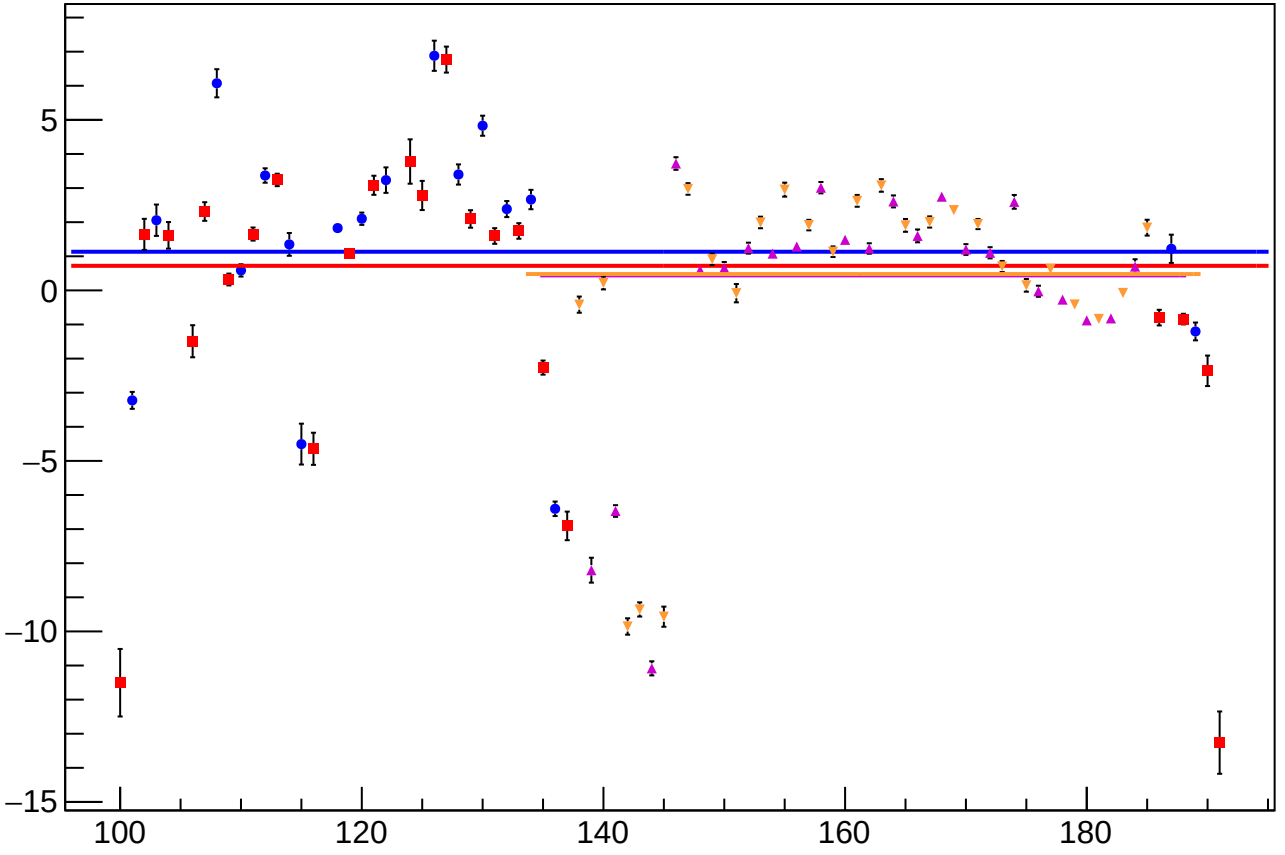
Left In: 0.794+/-0.041 χ^2/NDF:128828.3/22

+ sign 0.056+/-0.033 χ^2/NDF: 254703.6/42

All: -0.096+/-0.022 χ^2/NDF: 468278.5/88

- sign -0.220+/-0.030 χ^2/NDF: 213536.0/45

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: 0.720+/-0.053 χ^2/NDF: 1970.6/22

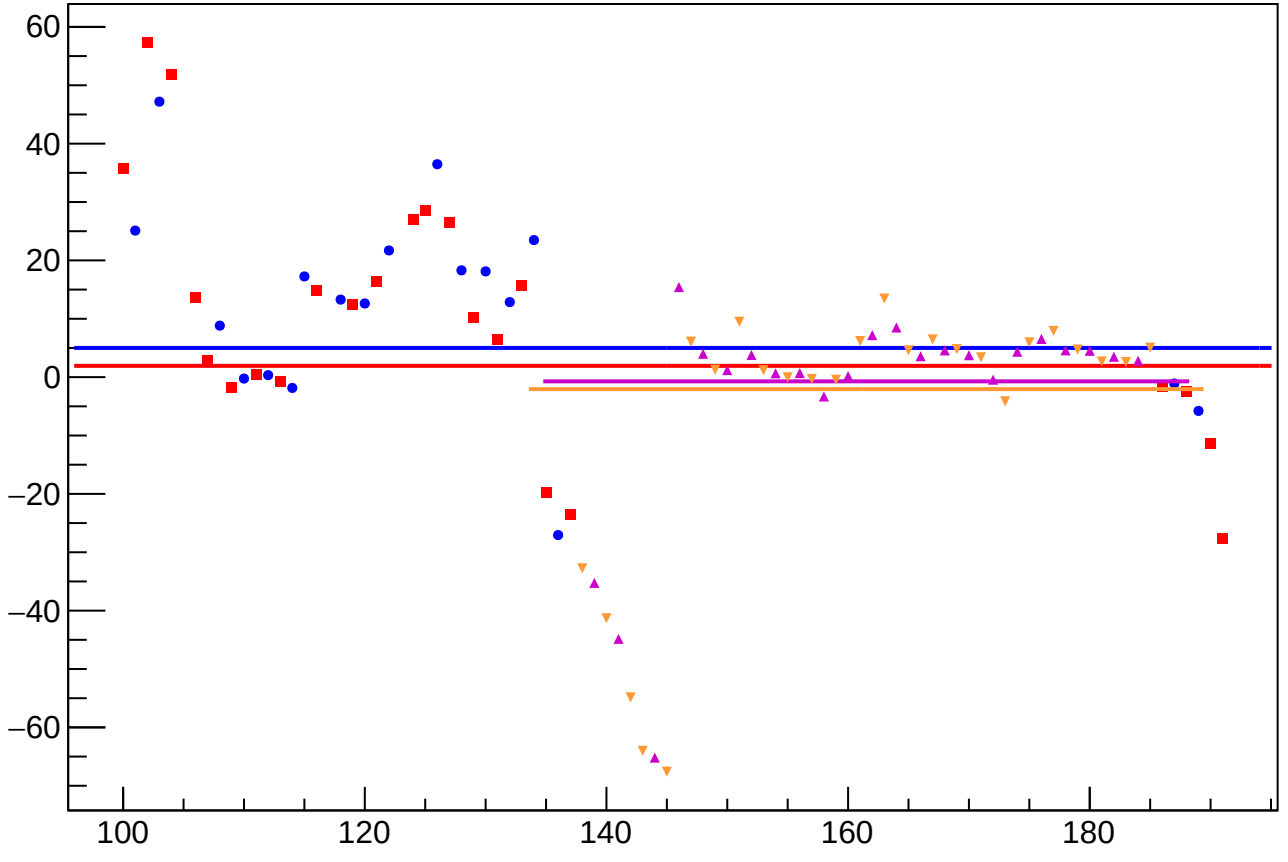
Left In: 0.440+/-0.032 χ^2/NDF:6893.7/22

+ sign 0.637+/-0.029 χ^2/NDF: 9427.5/42

All: 0.573+/-0.020 χ^2/NDF: 18321.1/88

- sign 0.516+/-0.028 χ^2/NDF: 8884.6/45

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: 1.934+/-0.047 χ^2/NDF: 81256.6/22

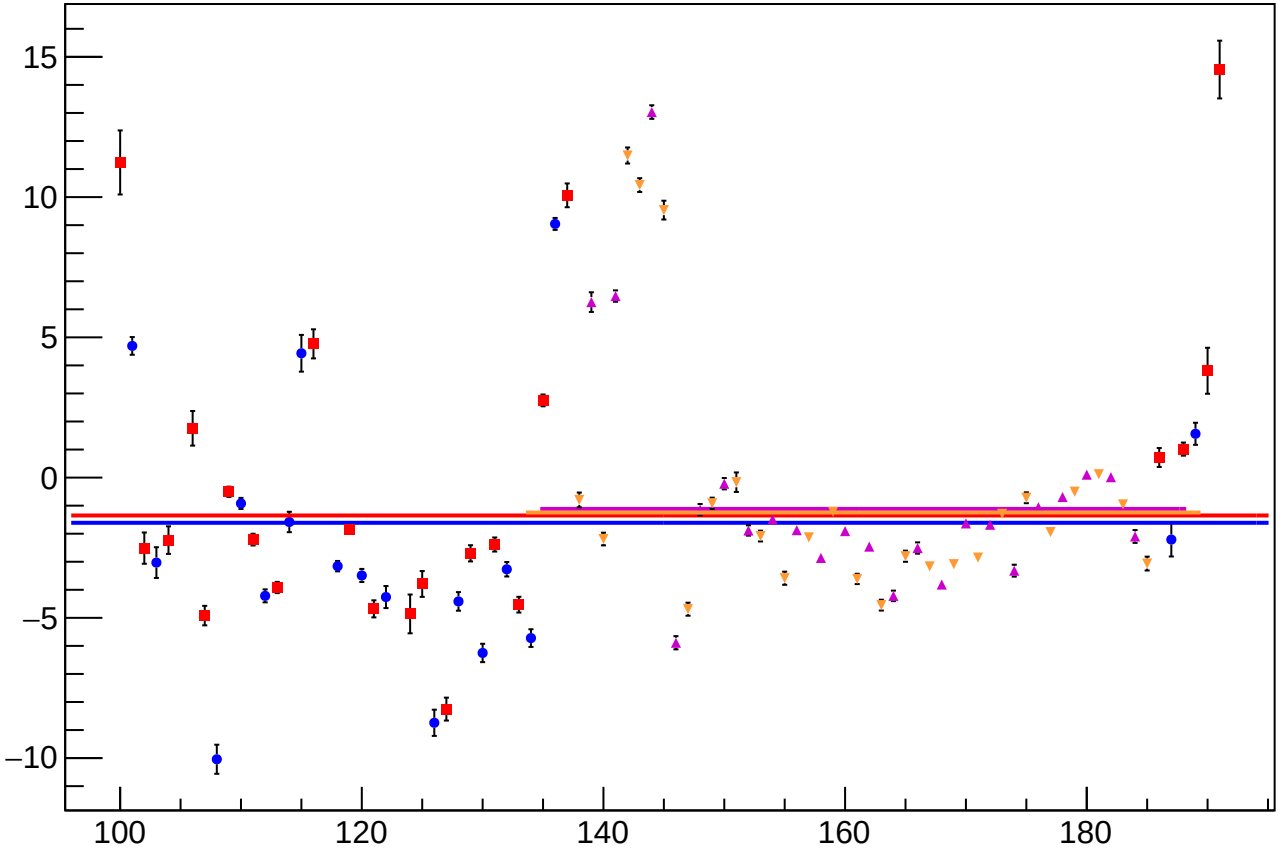
Left In: -0.720+/-0.041 χ^2/NDF:125531.3/22

+ sign 0.180+/-0.034 χ^2/NDF: 247837.0/42

All: 0.309+/-0.023 χ^2/NDF: 456476.8/88

- sign 0.413+/-0.031 χ^2/NDF: 208614.2/45

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: -1.350+/-0.063 χ^2/NDF: 2760.0/22

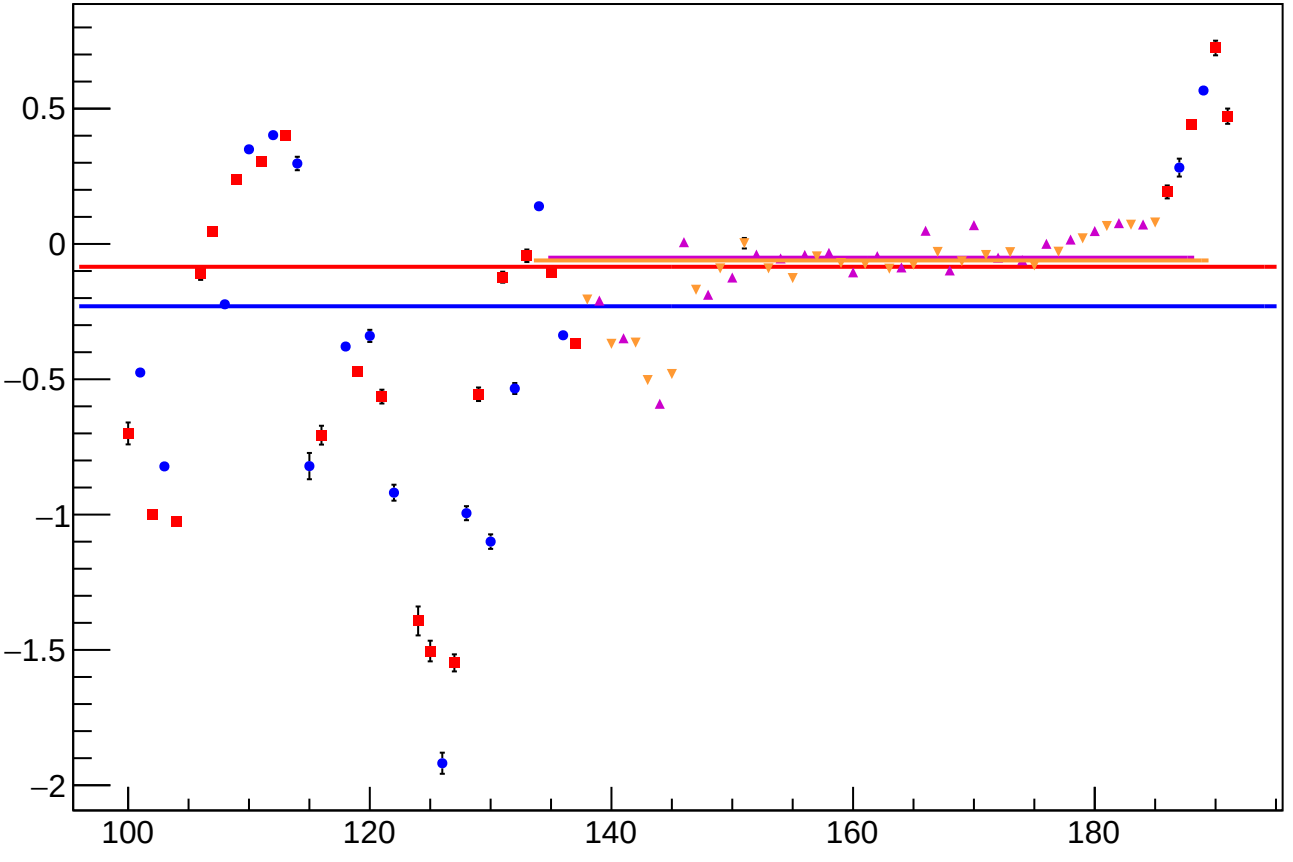
Left In: -1.117+/-0.036 χ^2/NDF:6840.3/22

+ sign -1.326+/-0.033 χ^2/NDF: 11147.8/42

All: -1.246+/-0.023 χ^2/NDF: 20769.6/88

- sign -1.174+/-0.031 χ^2/NDF: 9610.7/45

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: -0.230+/-0.004 χ^2/NDF: 13833.8/17

Left Out: -0.061+/-0.002 χ^2/NDF:5479.8/24

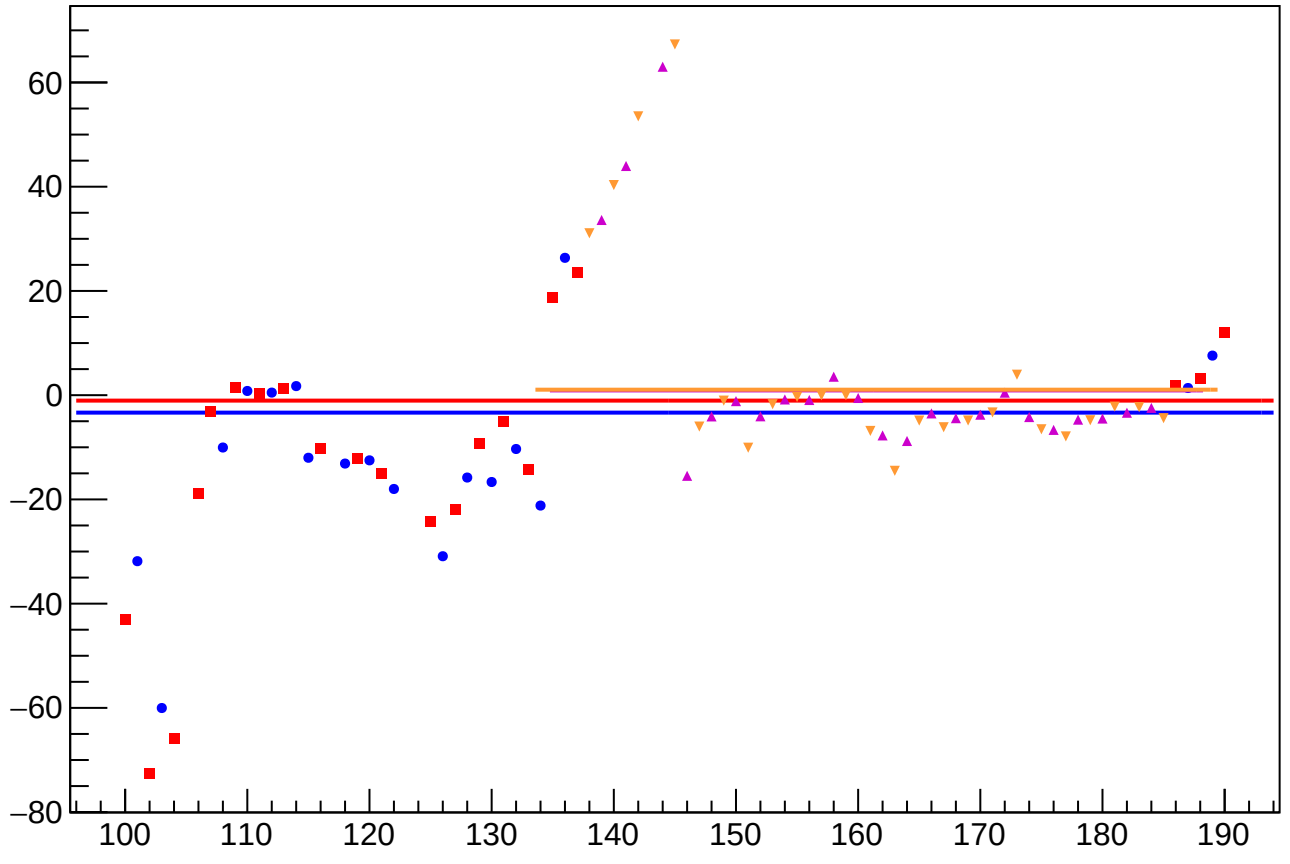
Right Out: -0.084+/-0.004 χ^2/NDF: 18646.2/22

Left In: -0.051+/-0.002 χ^2/NDF:4878.7/22

+ sign -0.084+/-0.002 χ^2/NDF: 20769.3/42

All: -0.069+/-0.001 χ^2/NDF: 44547.2/88

- sign -0.056+/-0.001 χ^2/NDF: 23597.0/45



Right In: -3.348+/-0.052 χ^2/NDF: 78201.4/17

Left Out: 1.053+/-0.041 χ^2/NDF:131031.0/23

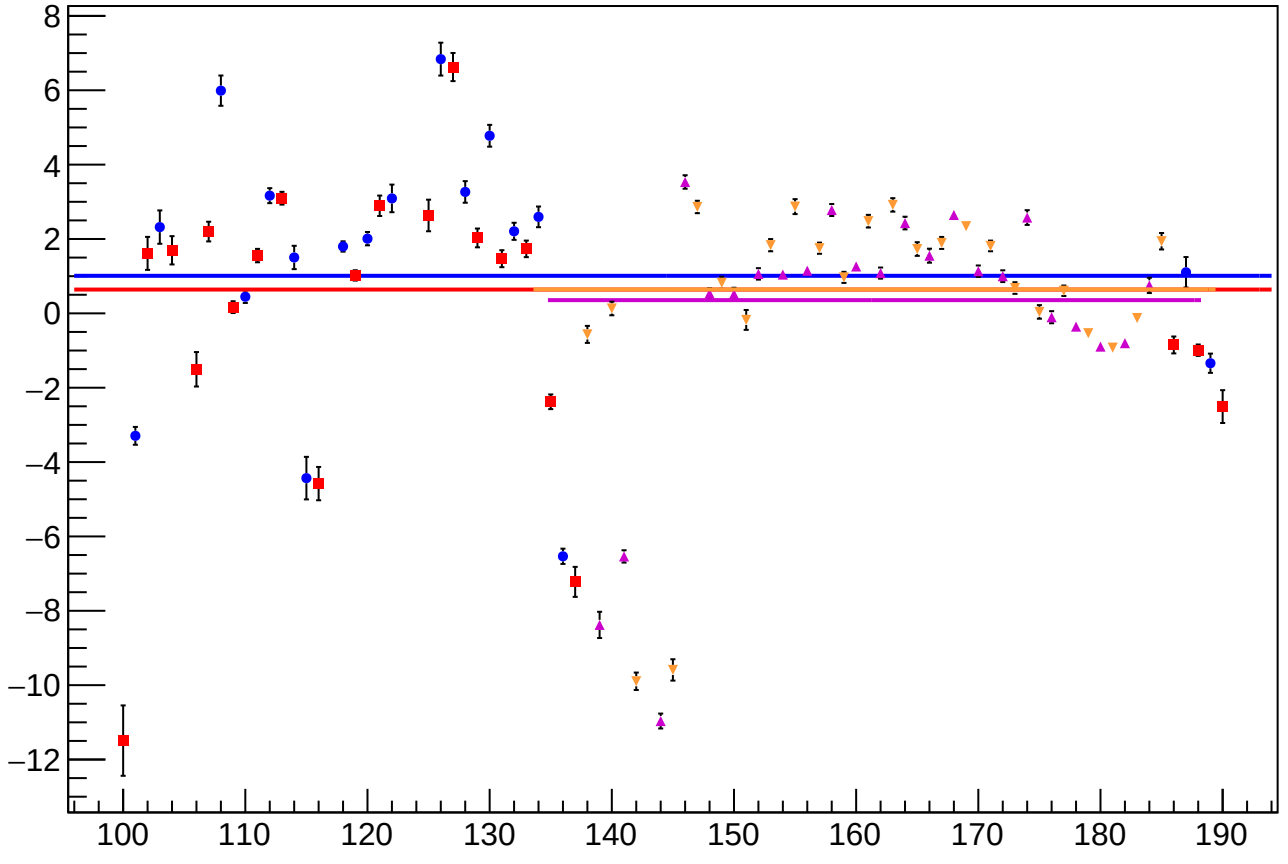
Right Out: -1.042+/-0.041 χ^2/NDF: 83527.7/20

Left In: 0.913+/-0.040 χ^2/NDF:132807.5/22

\+ sign -0.617+/-0.032 χ^2/NDF: 213700.6/41

All: -0.296+/-0.021 χ^2/NDF: 431392.4/85

\- sign -0.040+/-0.029 χ^2/NDF: 217510.1/43



Right In: 1.010+/-0.058 χ^2/NDF: 2682.7/17

Left Out: 0.644+/-0.033 χ^2/NDF:4711.1/23

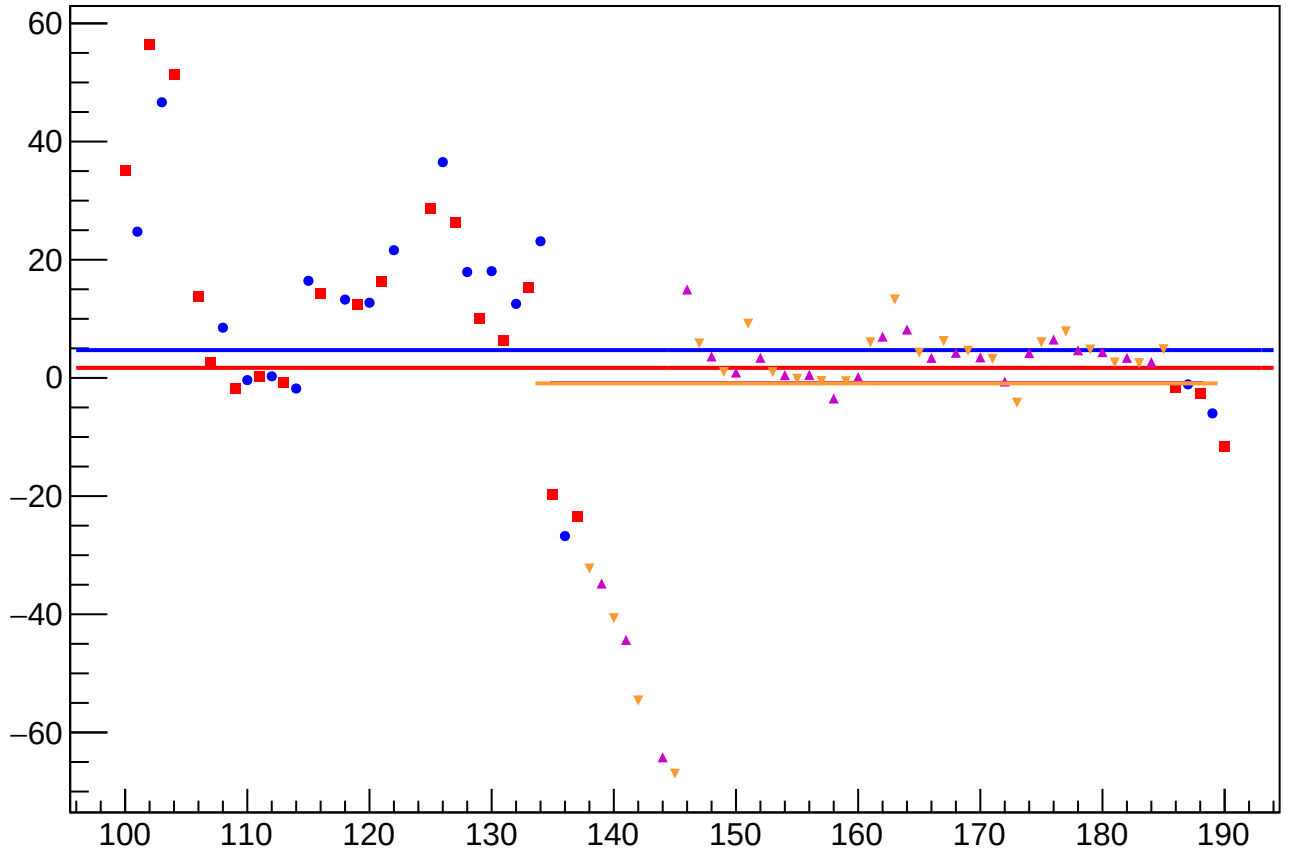
Right Out: 0.640+/-0.052 χ^2/NDF: 1842.7/20

Left In: 0.355+/-0.031 χ^2/NDF:7117.0/22

+ sign 0.734+/-0.029 χ^2/NDF: 7423.7/41

All: 0.572+/-0.020 χ^2/NDF: 16464.7/85

- sign 0.432+/-0.027 χ^2/NDF: 8981.8/43



Right In: 4.704+/-0.059 χ^2/NDF: 75299.1/17

Left Out: -0.929+/-0.041 χ^2/NDF:126378.7/23

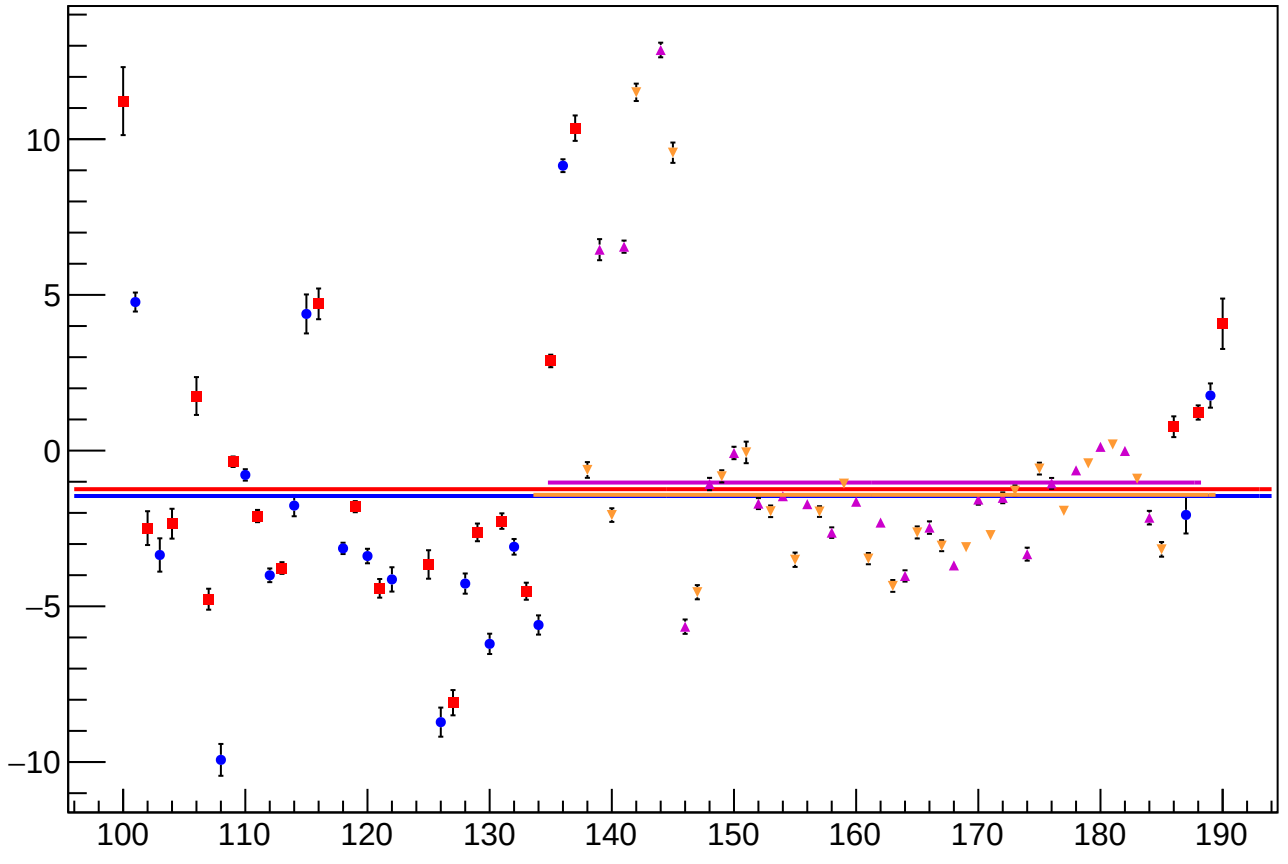
Right Out: 1.704+/-0.046 χ^2/NDF: 81335.5/20

Left In: -0.860+/-0.039 χ^2/NDF:129485.0/22

\+ sign 0.875+/-0.033 χ^2/NDF: 207860.9/41

All: 0.515+/-0.022 χ^2/NDF: 420705.9/85

\- sign 0.230+/-0.030 χ^2/NDF: 212637.3/43



Right In: -1.458+/-0.068 χ^2/NDF: 4615.0/17

Left Out: -1.420+/-0.037 χ^2/NDF:4642.0/23

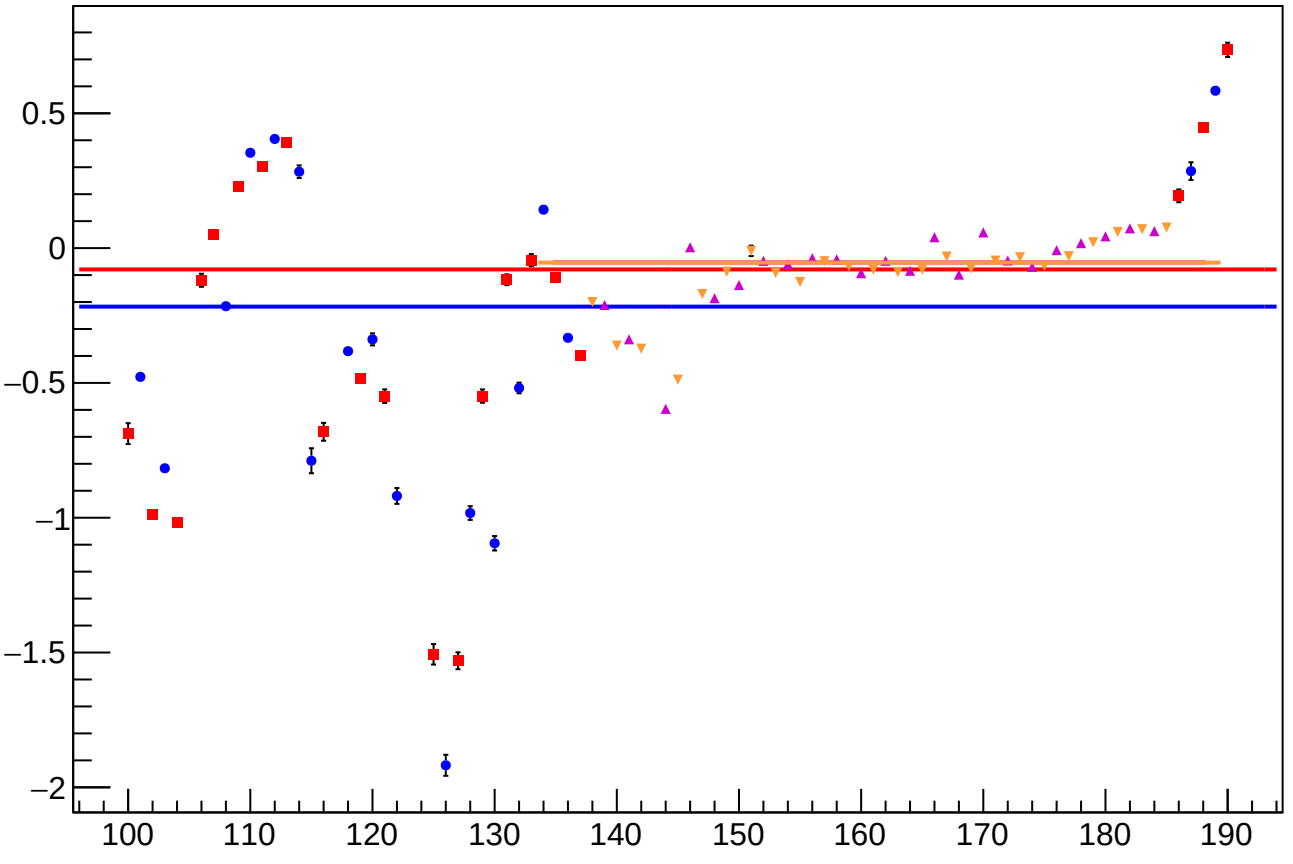
Right Out: -1.238+/-0.061 χ^2/NDF: 2690.0/20

Left In: -1.026+/-0.035 χ^2/NDF:7047.1/22

+ sign -1.429+/-0.032 χ^2/NDF: 9257.3/41

All: -1.242+/-0.022 χ^2/NDF: 19066.5/85

- sign -1.078+/-0.030 χ^2/NDF: 9746.2/43



Right In: -0.217+/-0.004 χ^2/NDF: 14630.3/17

Left Out: -0.054+/-0.002 χ^2/NDF:4340.0/23

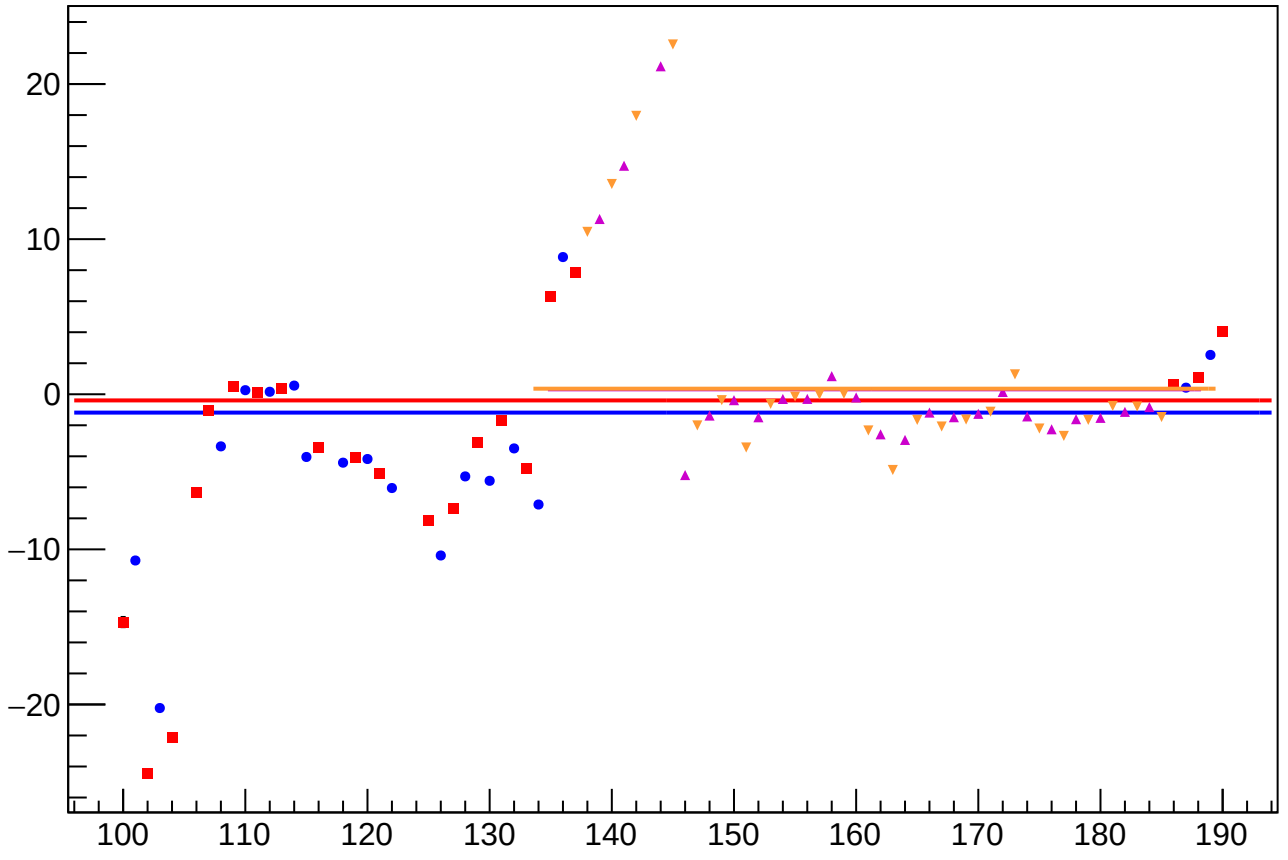
Right Out: -0.079+/-0.004 χ^2/NDF: 18488.6/20

Left In: -0.053+/-0.001 χ^2/NDF:5009.7/22

+ sign -0.076+/-0.001 χ^2/NDF: 20409.2/41

All: -0.066+/-0.001 χ^2/NDF: 44042.5/85

- sign -0.057+/-0.001 χ^2/NDF: 23543.9/43



Right In: -1.183+/-0.018 χ^2/NDF: 76569.6/17

Left Out: 0.359+/-0.014 χ^2/NDF:128829.7/23

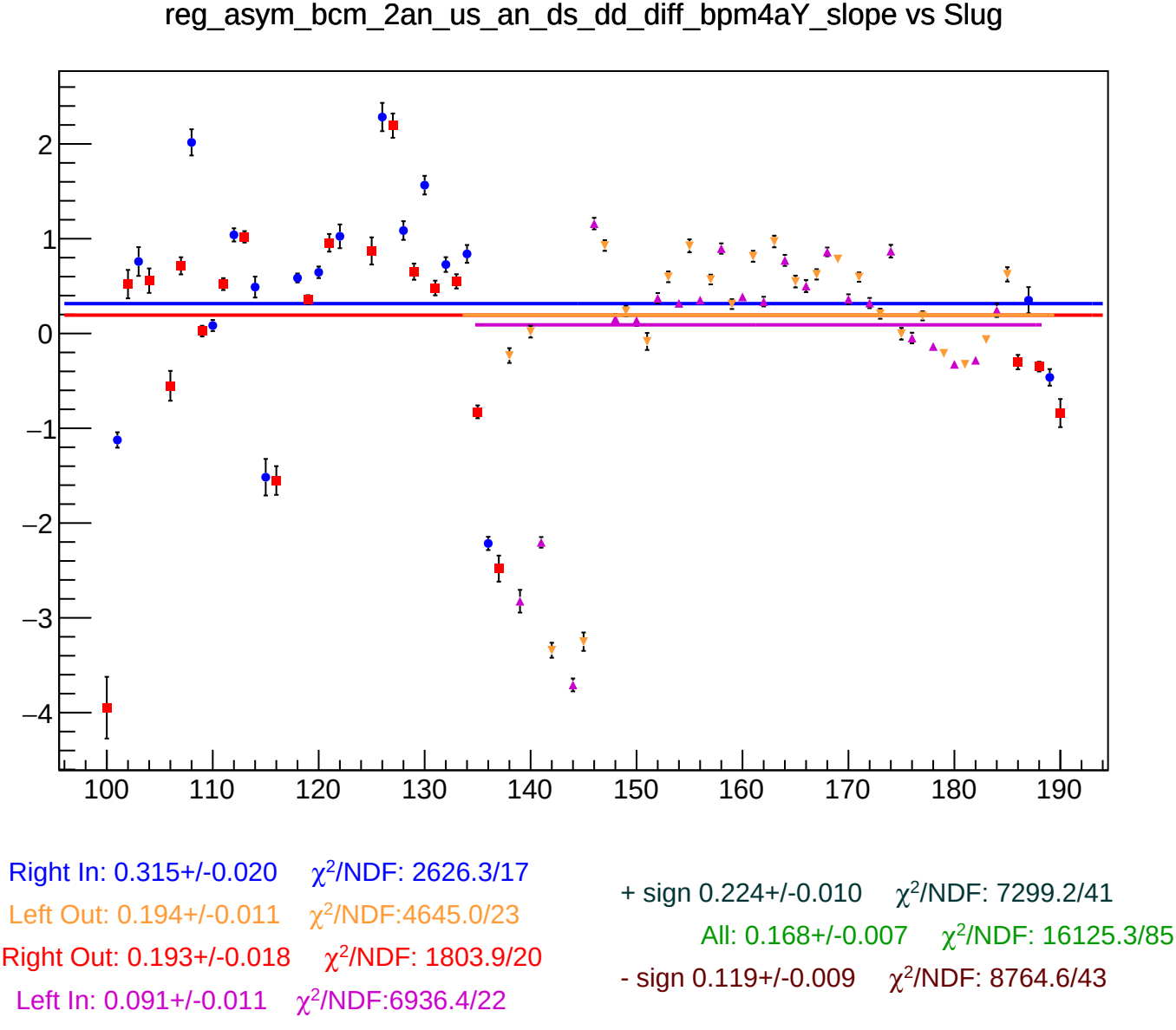
Right Out: -0.397+/-0.014 χ^2/NDF: 82005.8/20

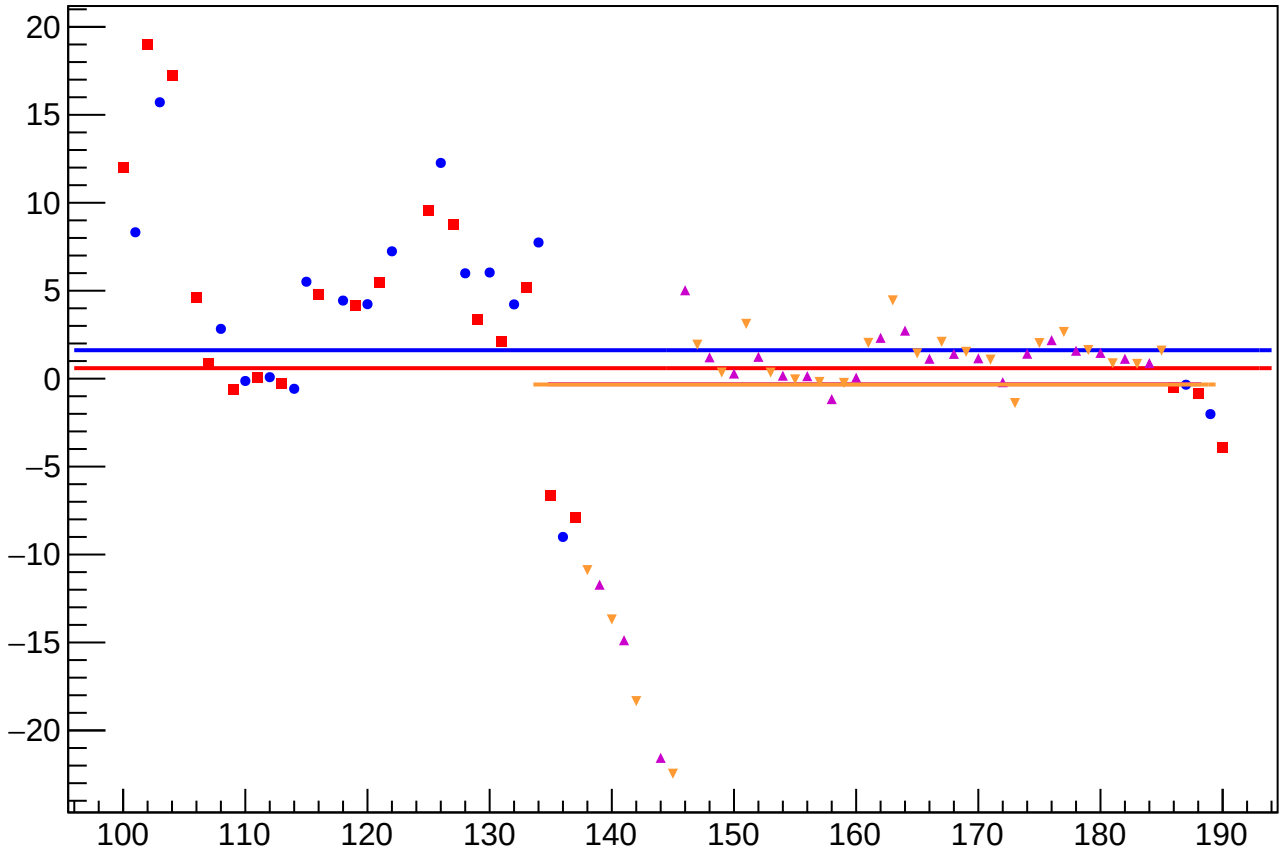
Left In: 0.317+/-0.014 χ^2/NDF:130224.2/22

+ sign -0.223+/-0.011 χ^2/NDF: 210061.6/41

All: -0.115+/-0.007 χ^2/NDF: 423791.8/85

- sign -0.028+/-0.010 χ^2/NDF: 213553.7/43


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: 0.193+/-0.018 χ²/NDF: 1803.9/20
Left In: 0.091+/-0.011 χ²/NDF:6936.4/22
+ sign 0.224+/-0.010 χ²/NDF: 7299.2/41
All: 0.168+/-0.007 χ²/NDF: 16125.3/85
- sign 0.119+/-0.009 χ²/NDF: 8764.6/43



Right In: 1.617+/-0.020 χ^2/NDF: 73749.0/17

Left Out: -0.332+/-0.014 χ^2/NDF:124233.4/23

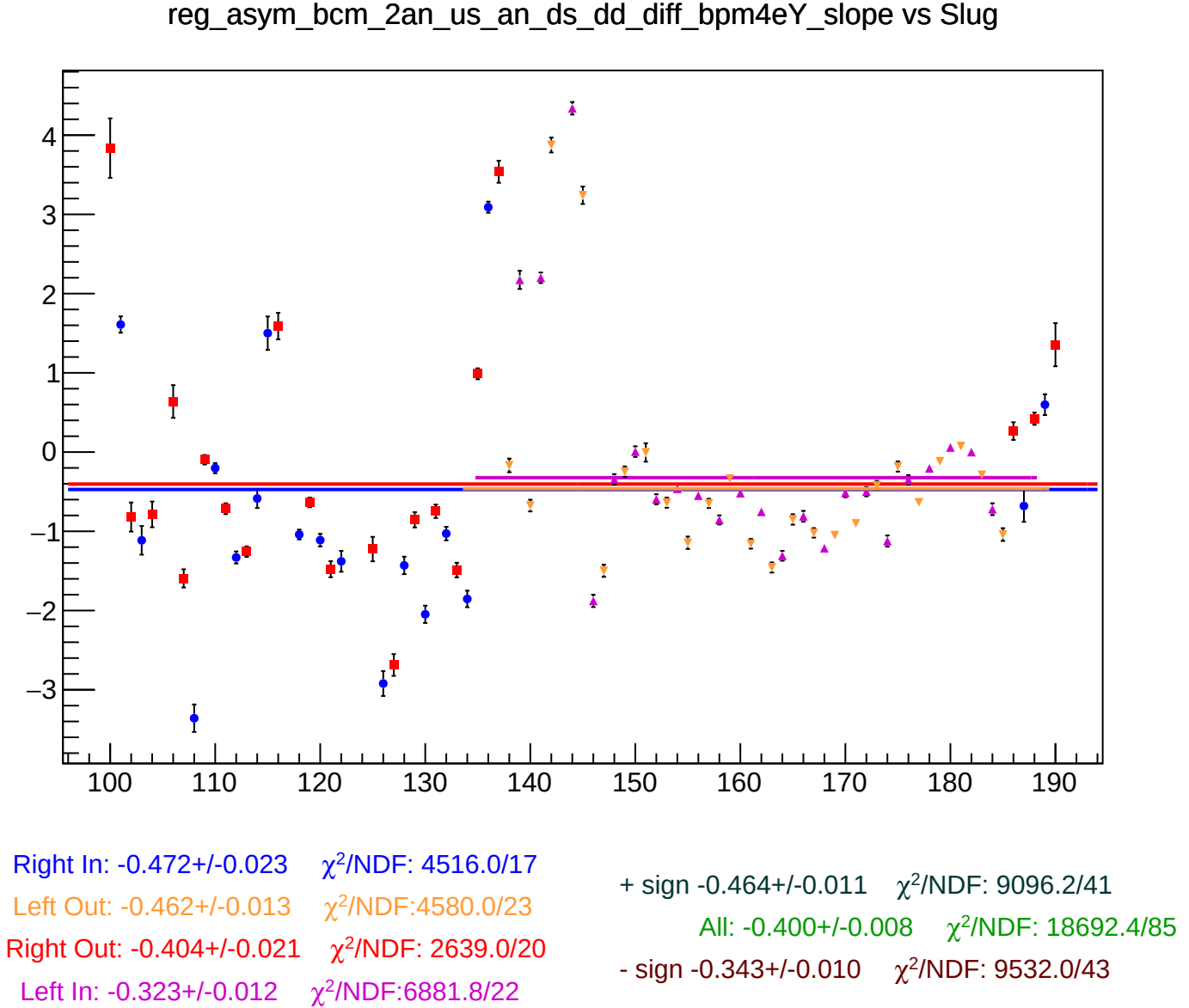
Right Out: 0.597+/-0.016 χ^2/NDF: 79893.4/20

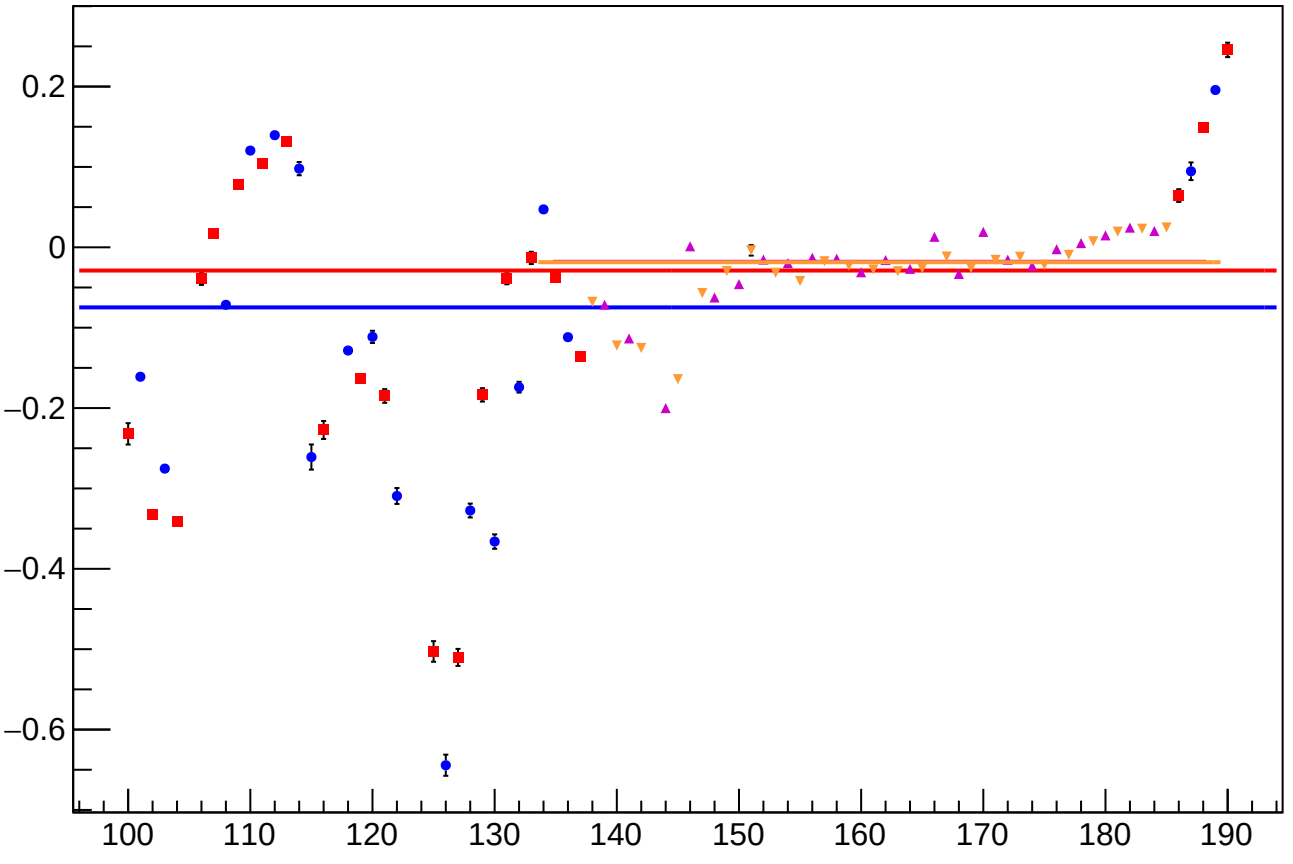
Left In: -0.314+/-0.013 χ^2/NDF:126999.2/22

+ sign 0.292+/-0.011 χ^2/NDF: 204322.2/41

All: 0.171+/-0.008 χ^2/NDF: 413369.9/85

- sign 0.074+/-0.010 χ^2/NDF: 208845.2/43


reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs Slug
4
3
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
190
Right In: -0.472+/-0.023 χ²/NDF: 4516.0/17
Left Out: -0.462+/-0.013 χ²/NDF:4580.0/23
Right Out: -0.404+/-0.021 χ²/NDF: 2639.0/20
Left In: -0.323+/-0.012 χ²/NDF:6881.8/22
+ sign -0.464+/-0.011 χ²/NDF: 9096.2/41
All: -0.400+/-0.008 χ²/NDF: 18692.4/85
- sign -0.343+/-0.010 χ²/NDF: 9532.0/43



Right In: -0.075+/-0.001 χ^2/NDF: 14272.1/17

Left Out: -0.019+/-0.001 χ^2/NDF:4227.5/23

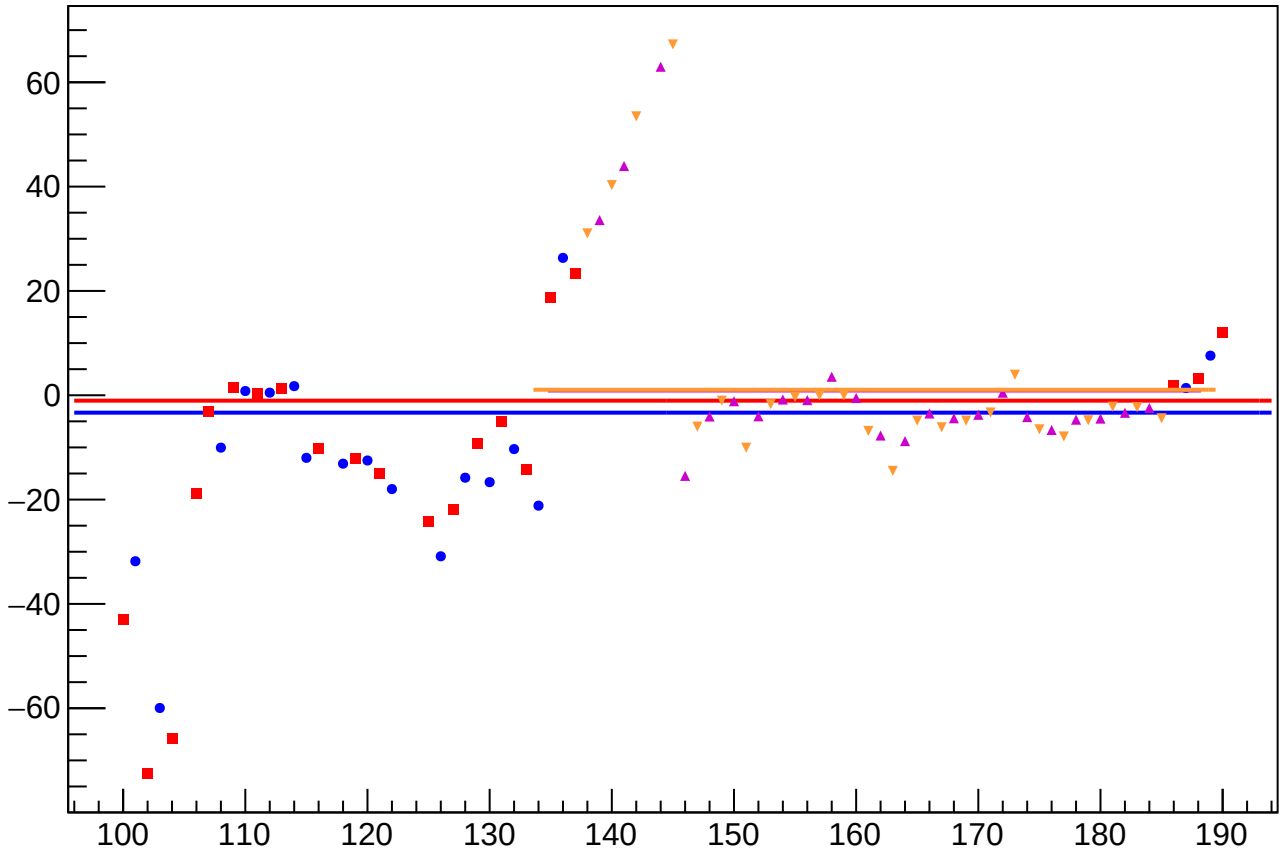
Right Out: -0.029+/-0.001 χ^2/NDF: 17964.3/20

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: 42966.7/85

- sign -0.020+/-0.000 χ^2/NDF: 22911.8/43



Right In: -3.336+/-0.052 χ^2/NDF: 78225.4/17

Left Out: 1.058+/-0.041 χ^2/NDF:131010.5/23

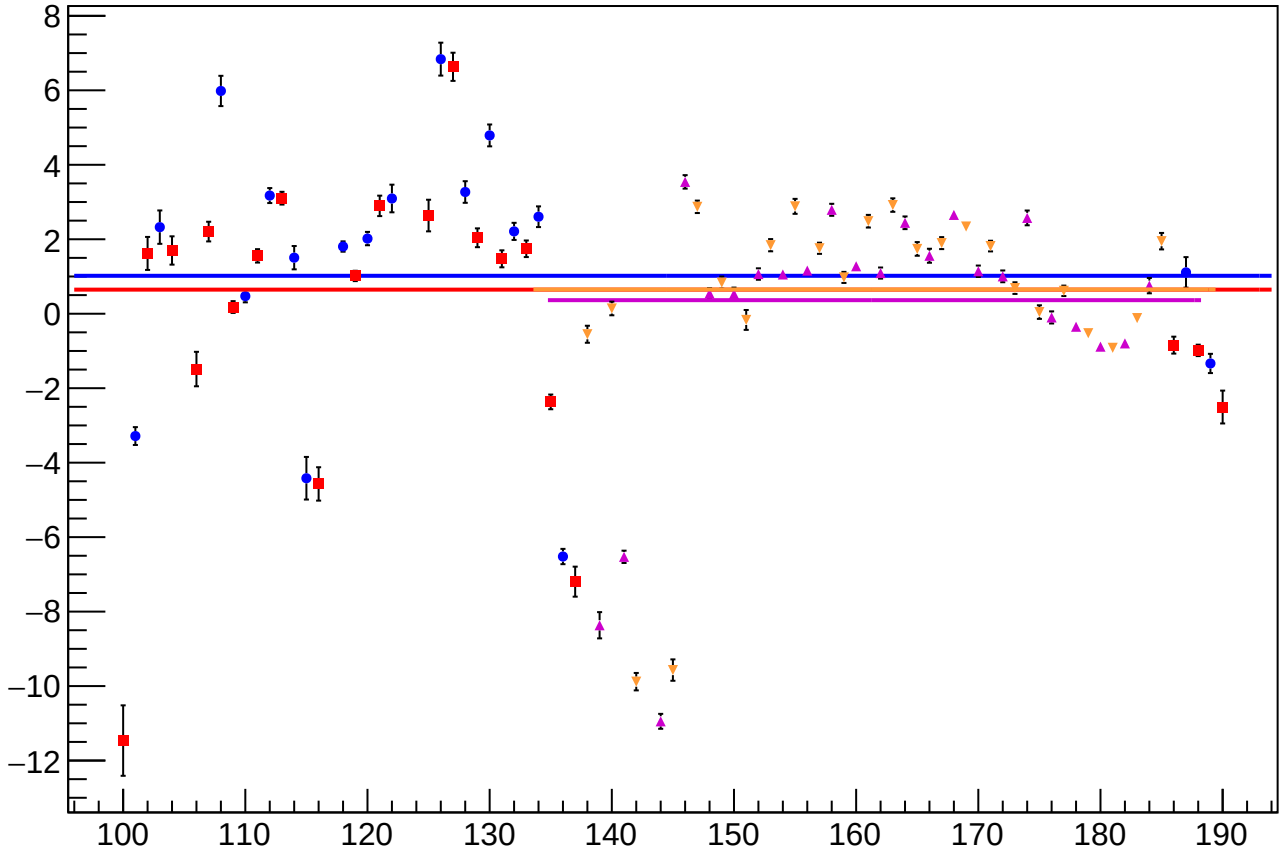
Right Out: -1.035+/-0.041 χ^2/NDF: 83542.3/20

Left In: 0.915+/-0.040 χ^2/NDF:132816.1/22

\+ sign -0.611+/-0.032 χ^2/NDF: 213697.4/41

All: -0.291+/-0.021 χ^2/NDF: 431409.2/85

\- sign -0.036+/-0.028 χ^2/NDF: 217531.1/43



Right In: 1.019+/-0.058 χ^2/NDF: 2682.7/17

Left Out: 0.651+/-0.033 χ^2/NDF:4708.8/23

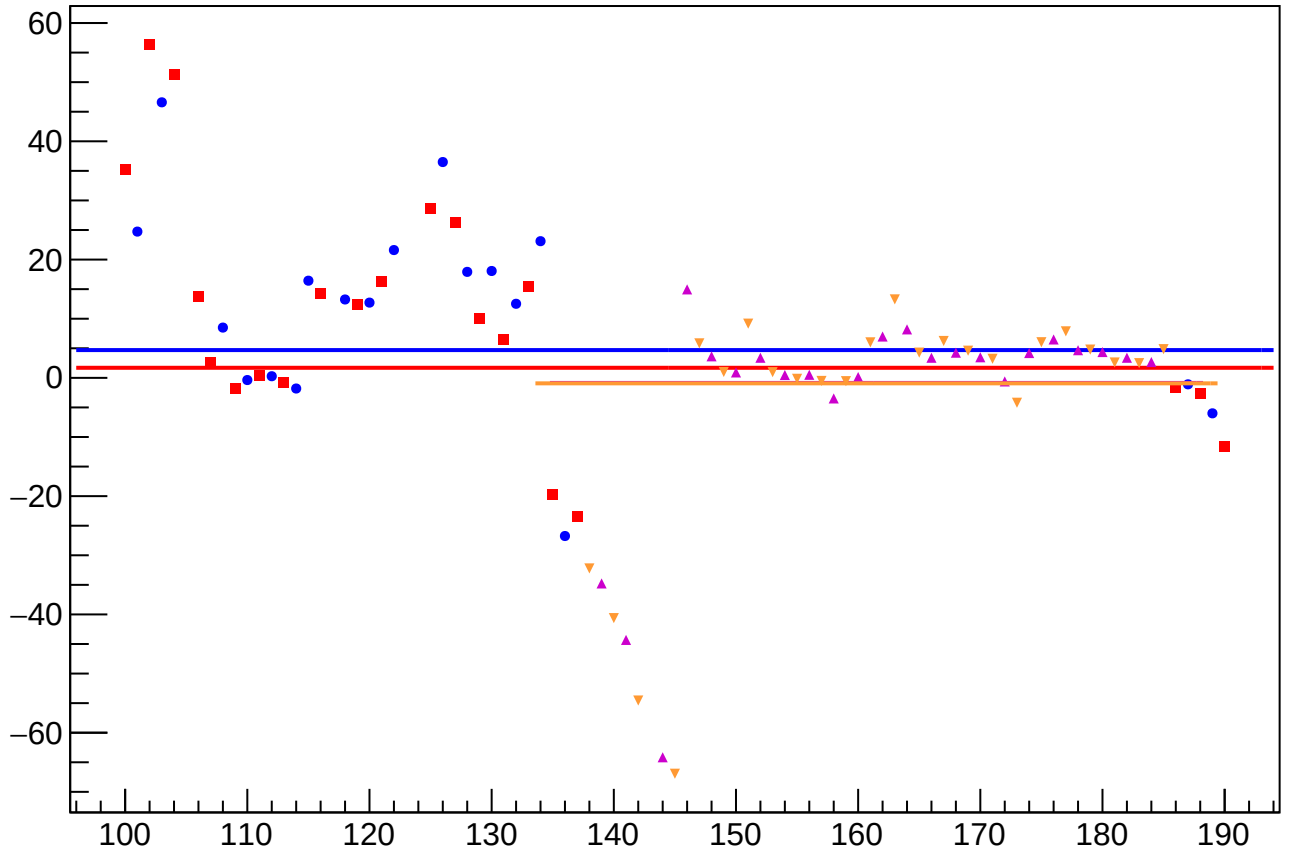
Right Out: 0.647+/-0.052 χ^2/NDF: 1841.2/20

Left In: 0.364+/-0.031 χ^2/NDF:7122.4/22

+ sign 0.742+/-0.029 χ^2/NDF: 7421.8/41

All: 0.580+/-0.020 χ^2/NDF: 16466.2/85

- sign 0.440+/-0.027 χ^2/NDF: 8985.4/43



Right In: 4.697+/-0.059 χ^2/NDF: 75319.6/17

Left Out: -0.927+/-0.041 χ^2/NDF:126360.1/23

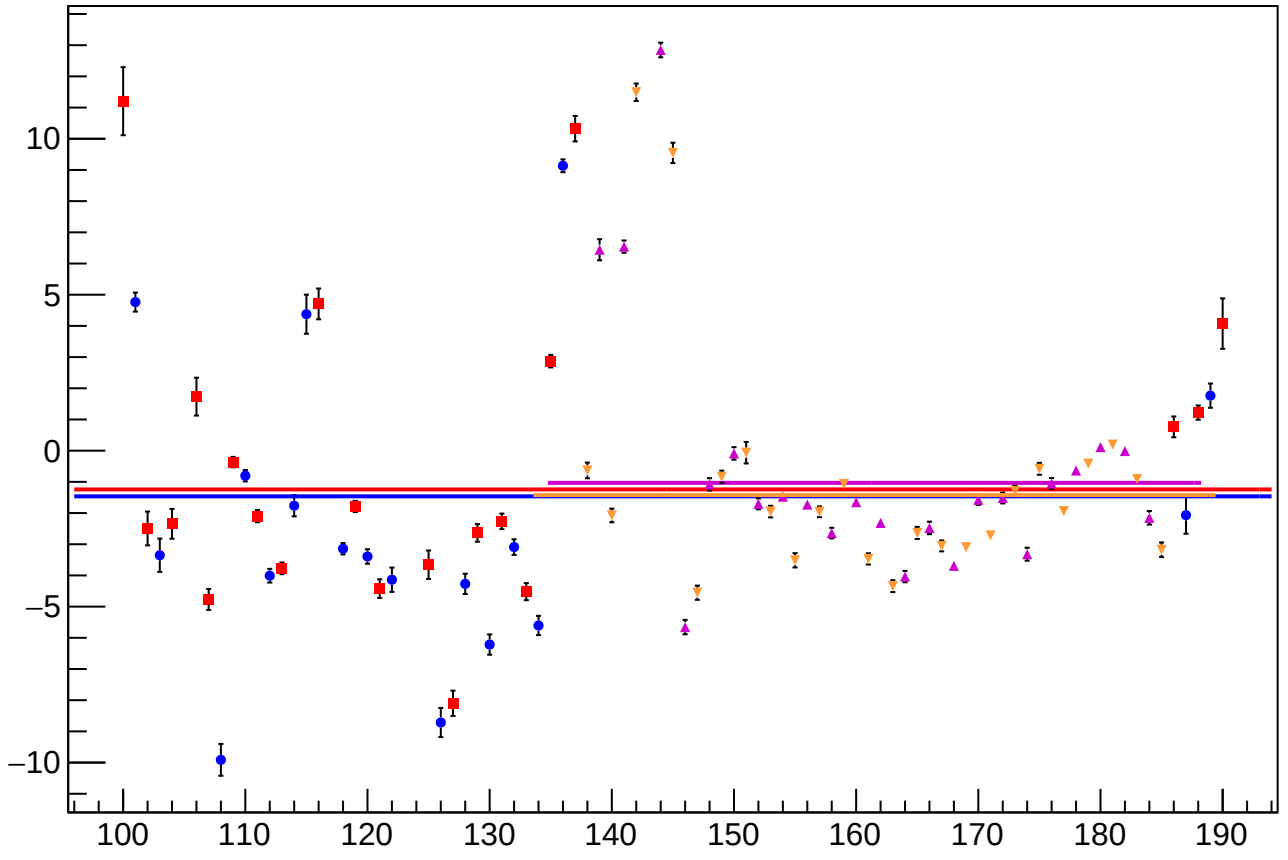
Right Out: 1.704+/-0.046 χ^2/NDF: 81344.0/20

Left In: -0.858+/-0.039 χ^2/NDF:129490.8/22

+ sign 0.874+/-0.033 χ^2/NDF: 207855.3/41

All: 0.515+/-0.022 χ^2/NDF: 420711.7/85

- sign 0.231+/-0.030 χ^2/NDF: 212649.7/43



Right In: -1.464+/-0.068 χ^2/NDF: 4614.8/17

Left Out: -1.425+/-0.037 χ^2/NDF:4639.6/23

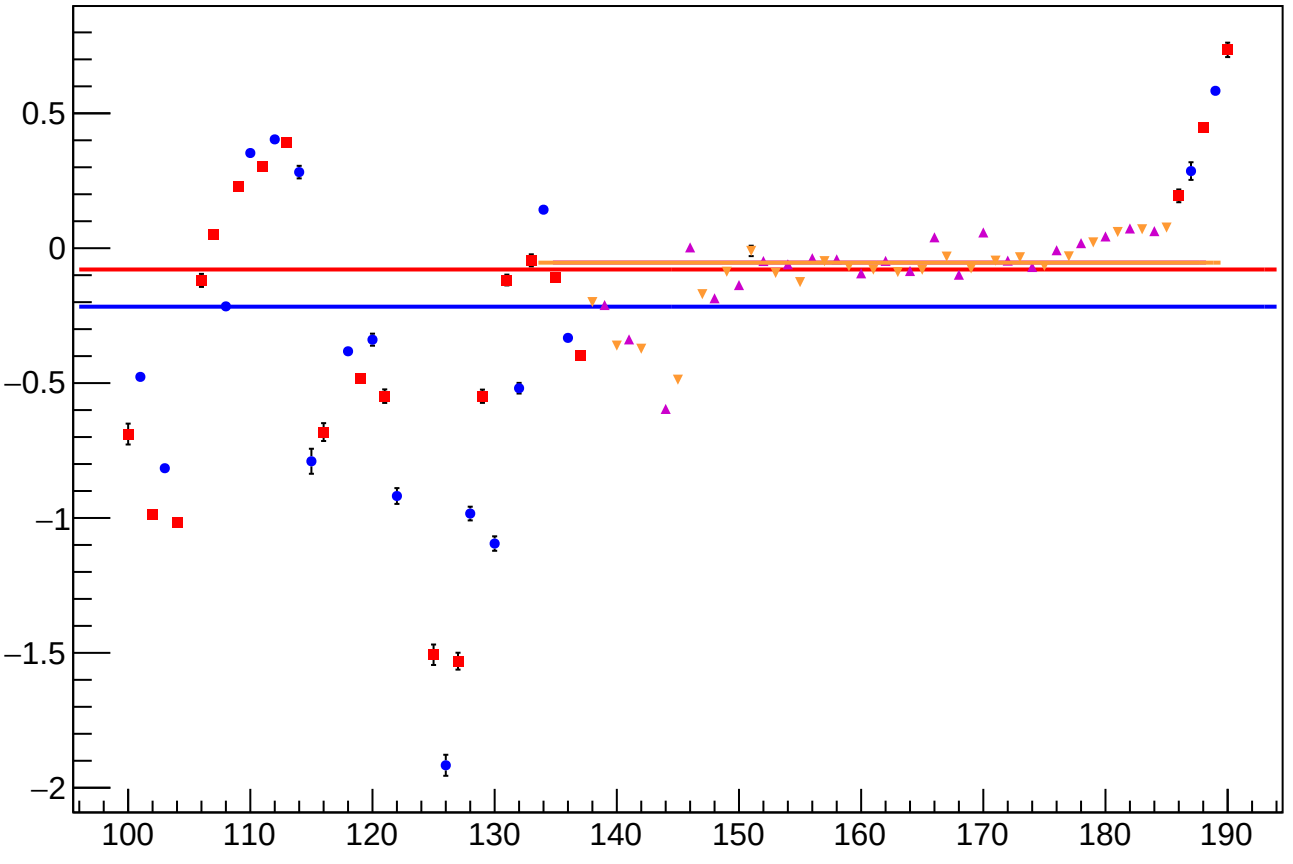
Right Out: -1.243+/-0.061 χ^2/NDF: 2687.1/20

Left In: -1.032+/-0.035 χ^2/NDF:7051.3/22

+ sign -1.434+/-0.032 χ^2/NDF: 9254.6/41

All: -1.247+/-0.022 χ^2/NDF: 19065.0/85

- sign -1.084+/-0.030 χ^2/NDF: 9747.5/43



Right In: -0.217+/-0.004 χ^2/NDF: 14631.2/17

Left Out: -0.054+/-0.002 χ^2/NDF:4341.2/23

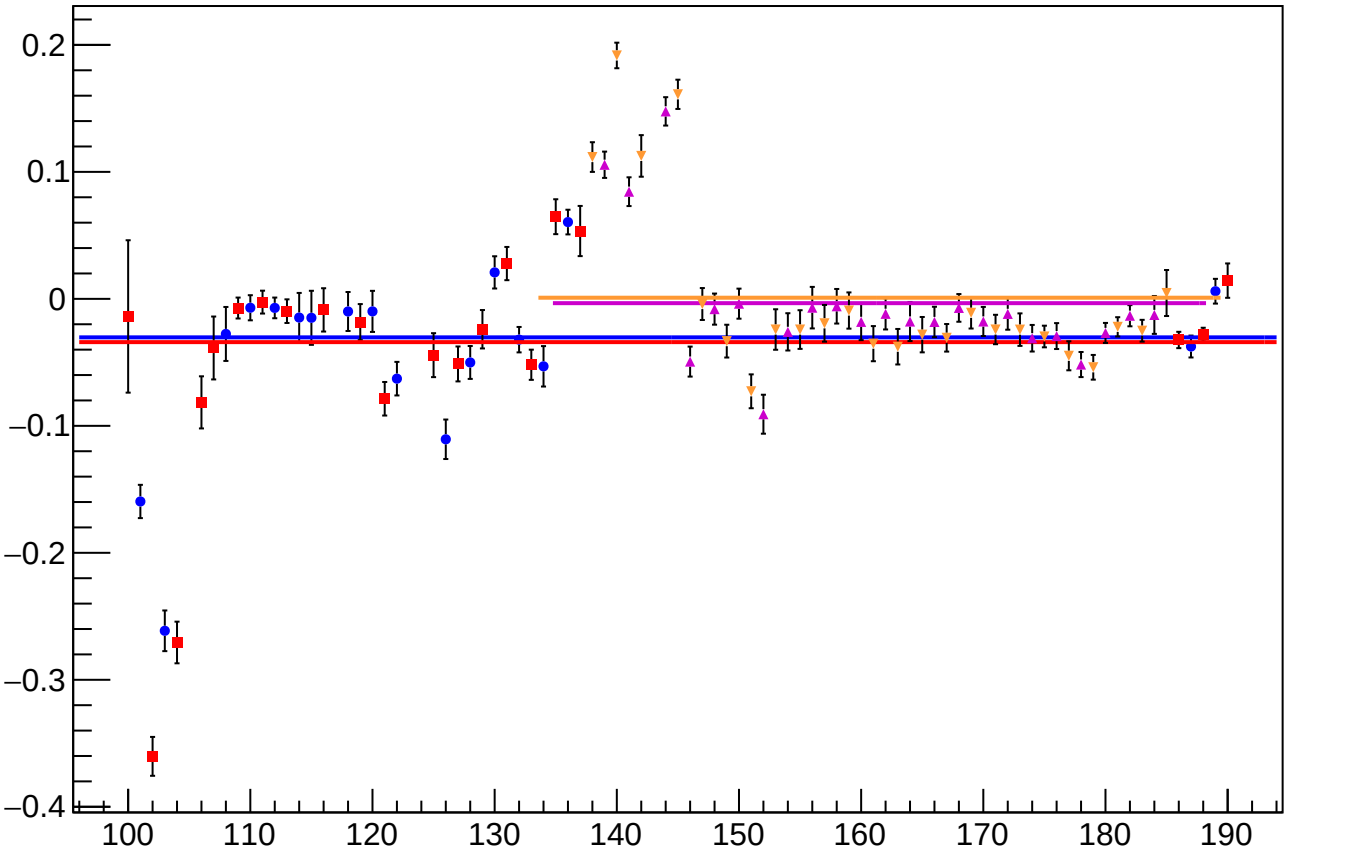
Right Out: -0.079+/-0.004 χ^2/NDF: 18498.8/20

Left In: -0.053+/-0.001 χ^2/NDF:5013.3/22

+ sign -0.076+/-0.001 χ^2/NDF: 20411.9/41

All: -0.066+/-0.001 χ^2/NDF: 44057.9/85

- sign -0.057+/-0.001 χ^2/NDF: 23557.3/43



Right In: -0.030+/-0.003 χ^2/NDF: 479.0/17

Left Out: 0.001+/-0.002 χ^2/NDF:849.7/23

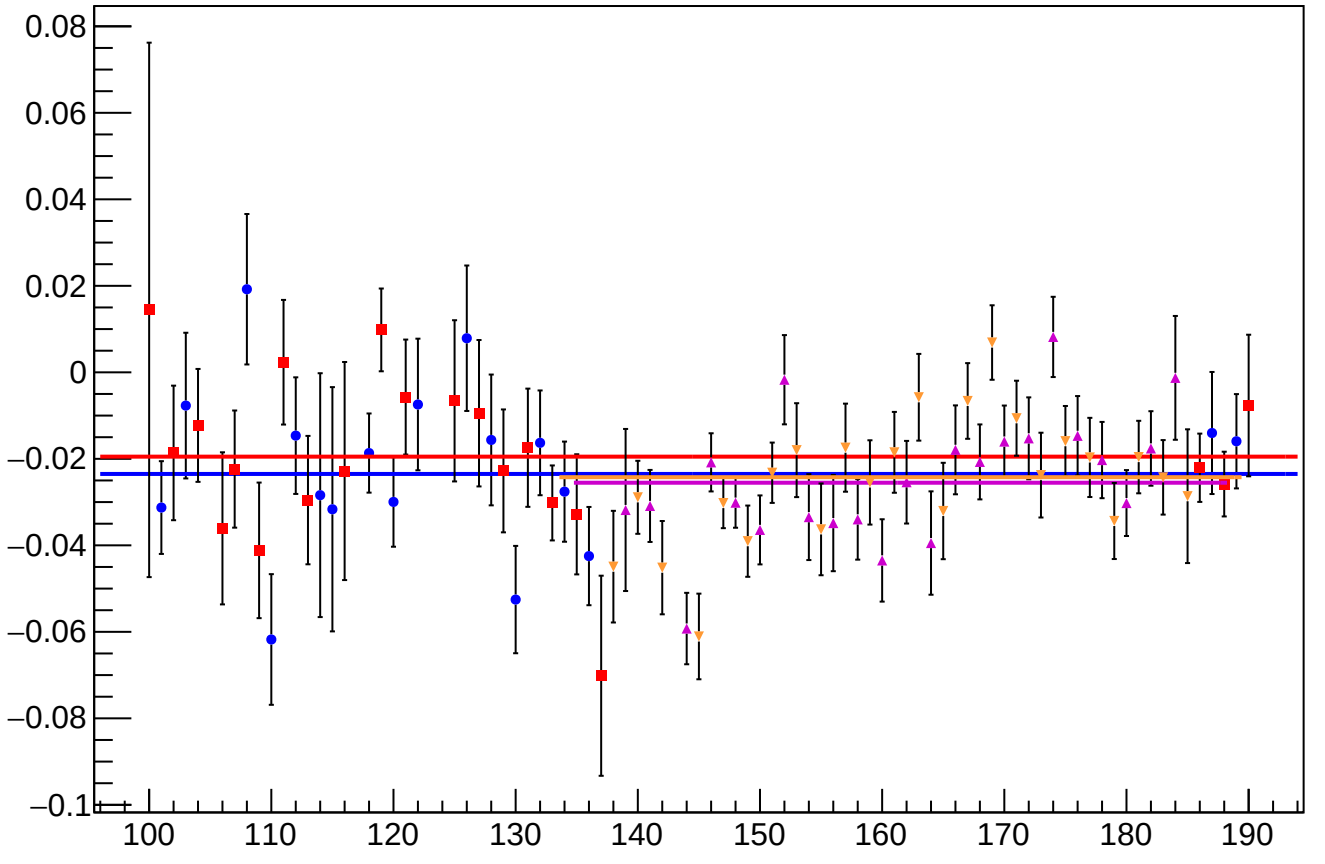
Right Out: -0.034+/-0.002 χ^2/NDF: 824.2/20

Left In: -0.003+/-0.002 χ^2/NDF:457.9/22

+ sign -0.012+/-0.002 χ^2/NDF: 1398.2/41

All: -0.015+/-0.001 χ^2/NDF: 2765.8/85

- sign -0.018+/-0.002 χ^2/NDF: 1361.1/43



Right In: -0.023+/-0.003 χ^2/NDF: 29.6/17

Left Out: -0.024+/-0.002 χ^2/NDF:53.7/23

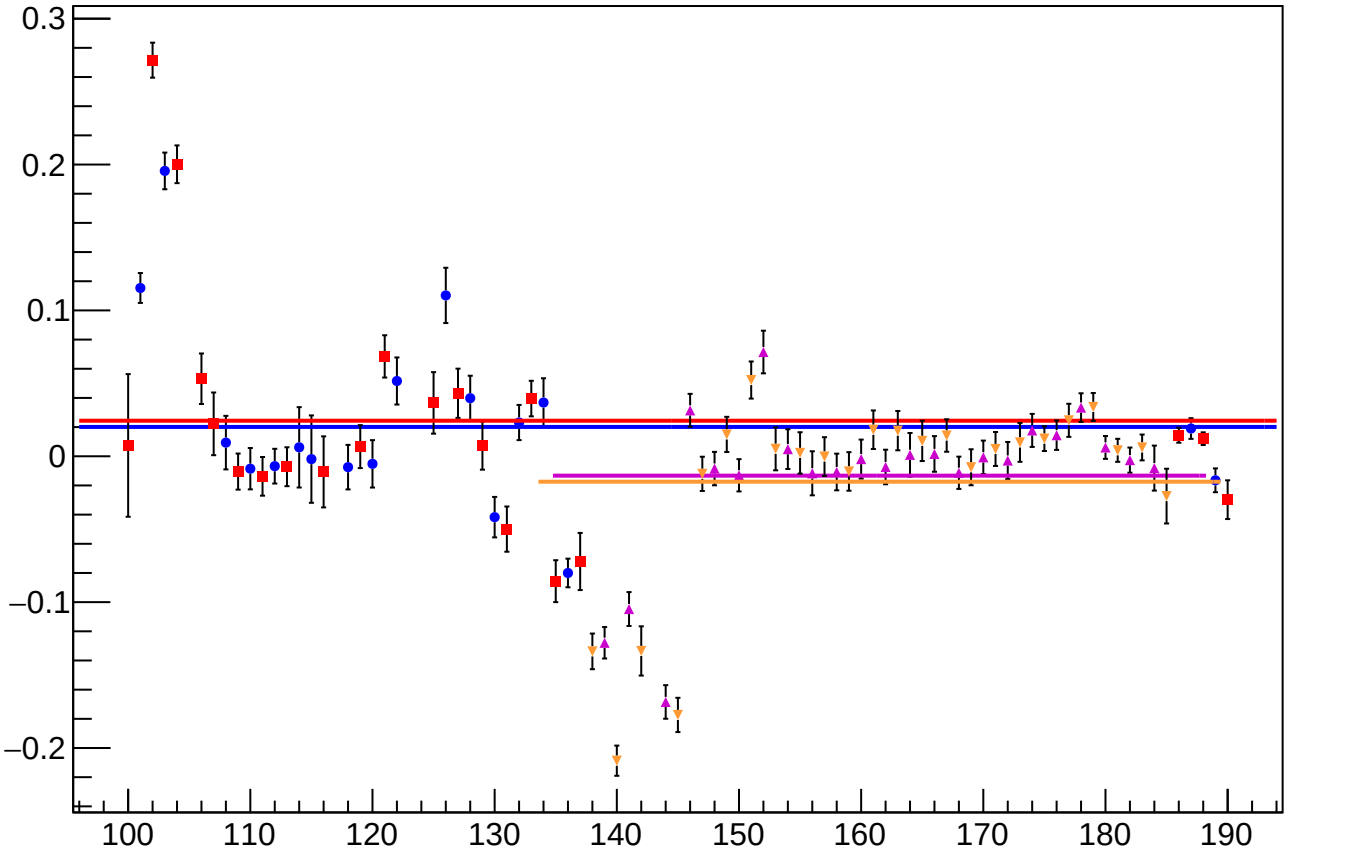
Right Out: -0.019+/-0.003 χ^2/NDF: 26.2/20

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: 167.8/85

- sign -0.024+/-0.002 χ^2/NDF: 84.3/43



Right In: 0.020+/-0.003 χ^2/NDF: 470.3/17

Left Out: -0.017+/-0.002 χ^2/NDF:812.1/23

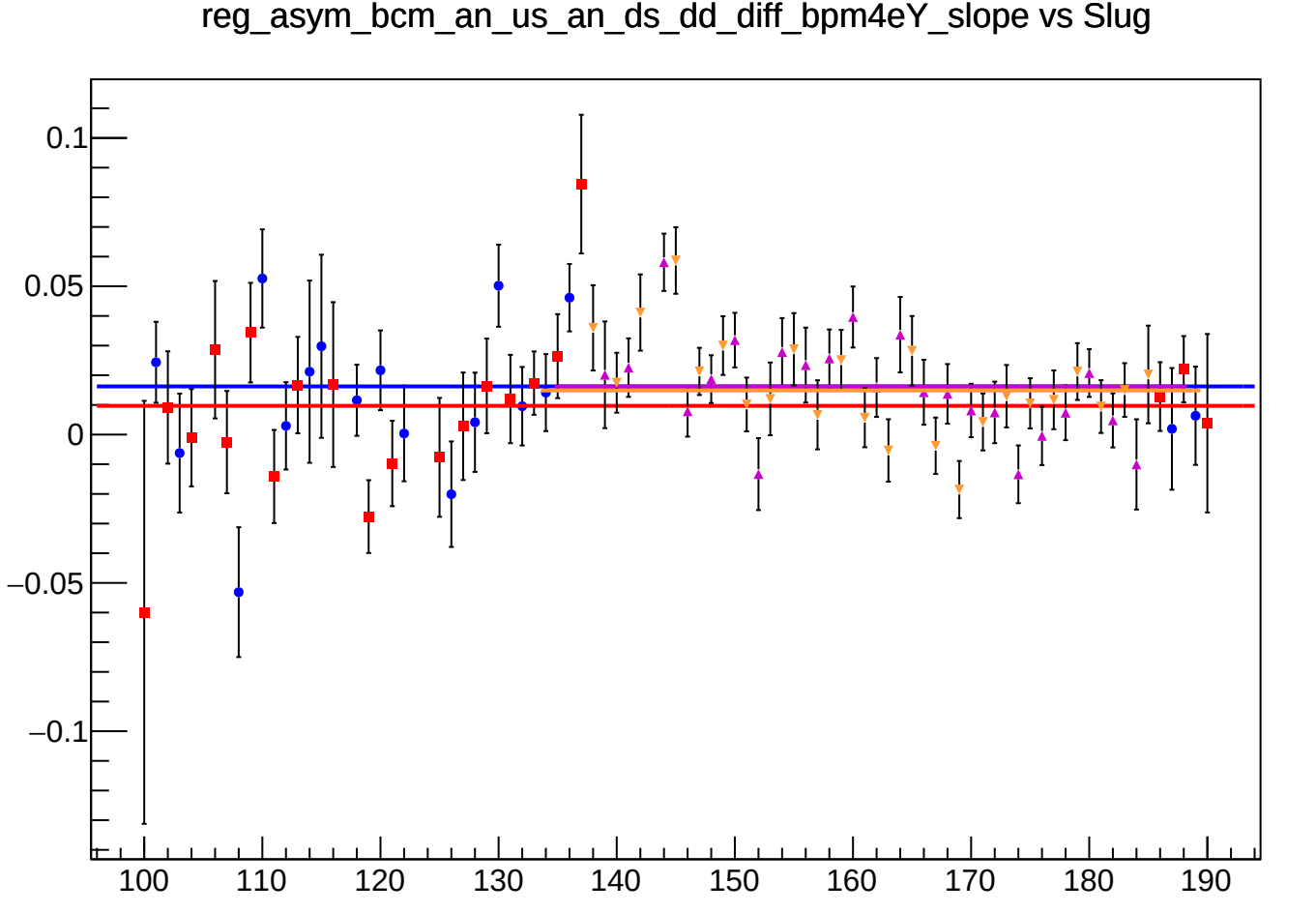
Right Out: 0.024+/-0.002 χ^2/NDF: 785.3/20

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: 2757.5/85

- sign 0.005+/-0.002 χ^2/NDF: 1367.4/43



Right In: 0.016+/-0.004 χ^2/NDF: 37.6/17

Left Out: 0.015+/-0.002 χ^2/NDF:52.1/23

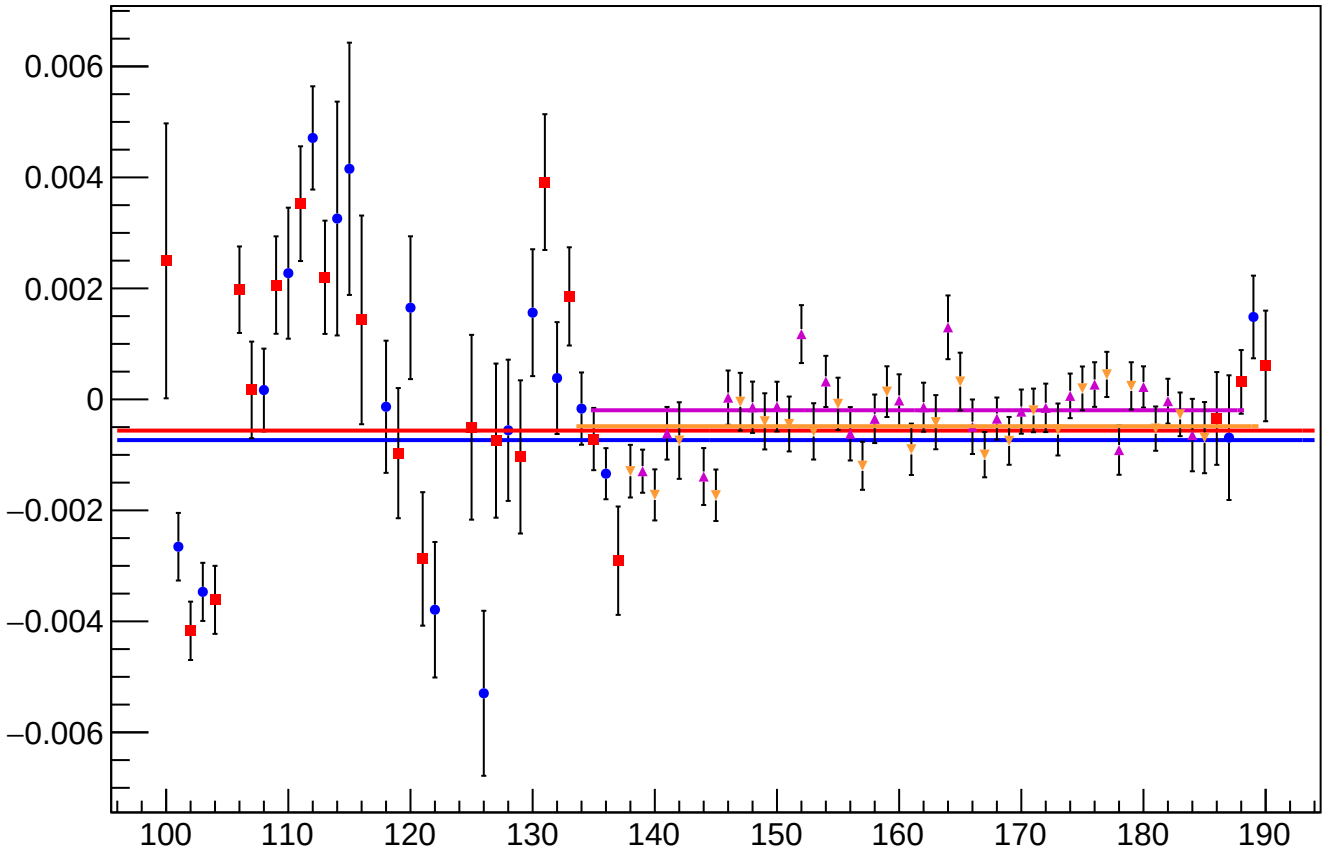
Right Out: 0.010+/-0.003 χ^2/NDF: 32.9/20

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: 183.3/85

- sign 0.014+/-0.002 χ^2/NDF: 93.5/43



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: 152.1/20

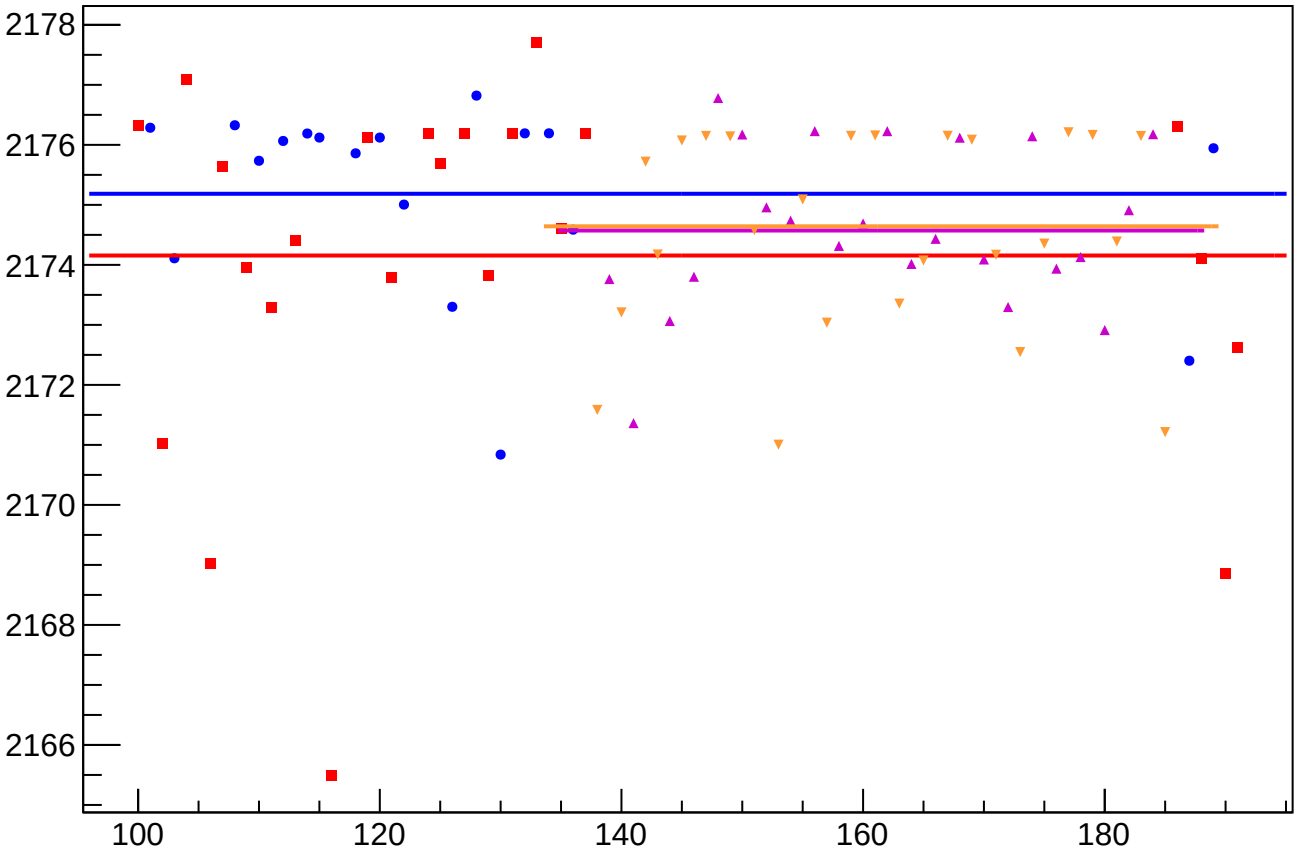
Left In: -0.000+/-0.000 χ^2/NDF:37.2/22

+ sign -0.001+/-0.000 χ^2/NDF: 165.8/41

All: -0.000+/-0.000 χ^2/NDF: 362.9/85

- sign -0.000+/-0.000 χ^2/NDF: 192.3/43

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

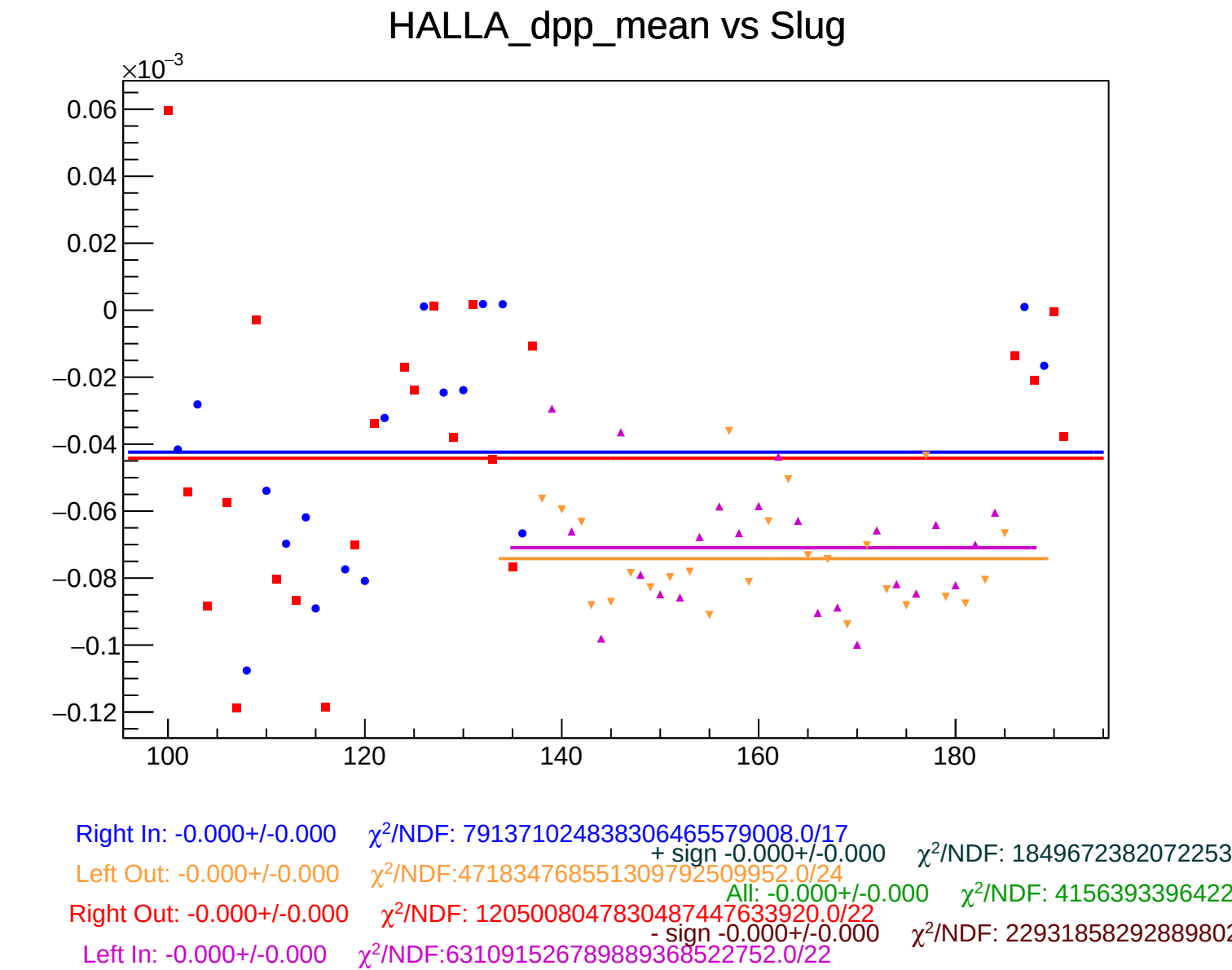
Right Out: 2174.156+/-0.000 χ^2/NDF: 67432037459537052393248763873853440/22

Left In: 2174.573+/-0.000 χ^2/NDF:34312670977938388457288638157291520/22

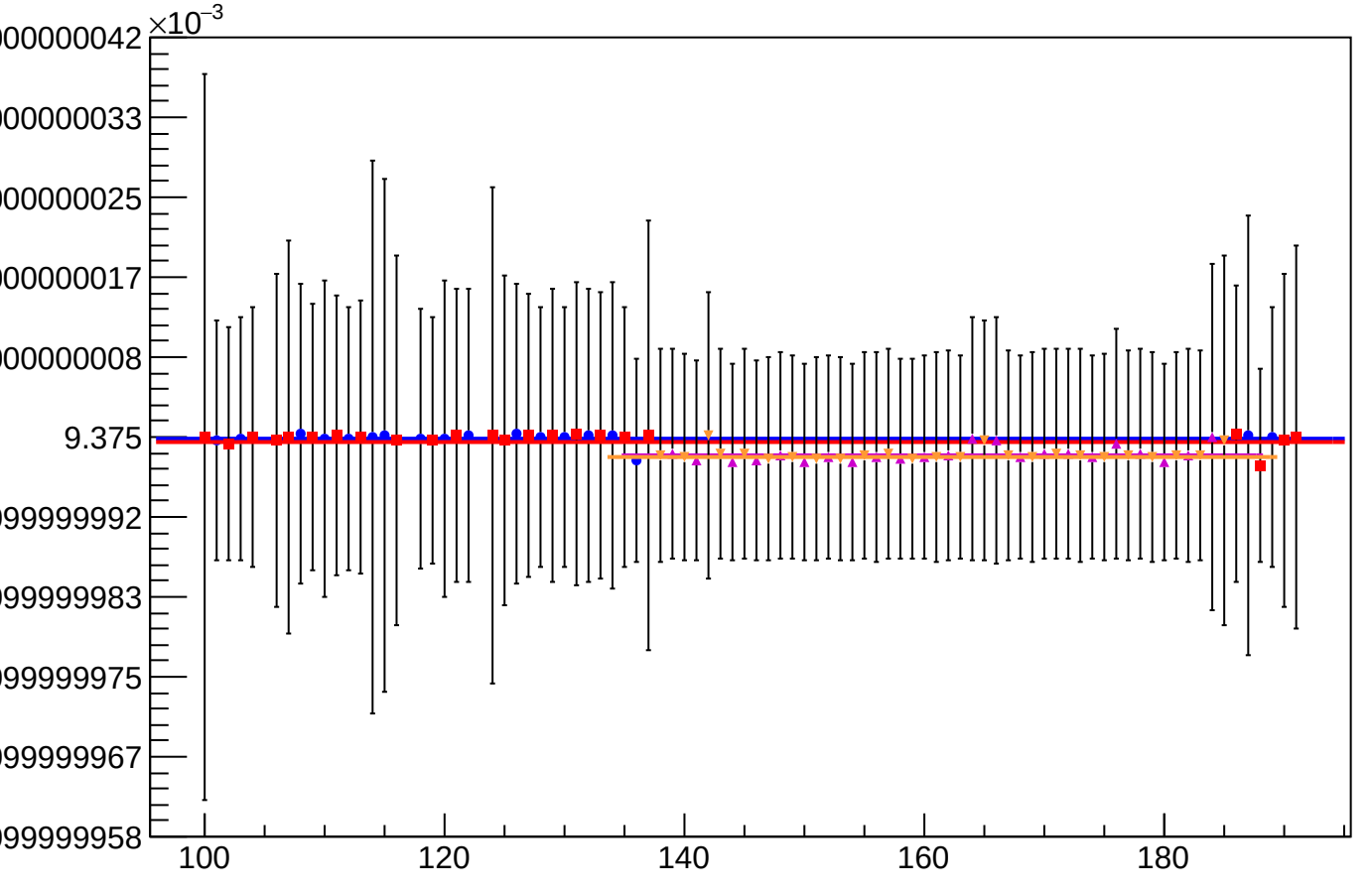
+ sign 2174.798+/-0.000 χ^2/NDF: 732641463839430

All: 2174.614+/-0.000 χ^2/NDF: 178024434980

- sign 2174.433+/-0.000 χ^2/NDF: 102856000697740


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
120
140
160
180
Right In: -0.000+/-0.000 χ²/NDF: 791371024838306465579008.0/17
Left Out: -0.000+/-0.000 χ²/NDF:4718347685513097925099 52.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 120500804783048744763392 0.0/22
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: 4156393396422
- sign -0.000+/-0.000 χ²/NDF: 2293185829288980

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: 0.1/22

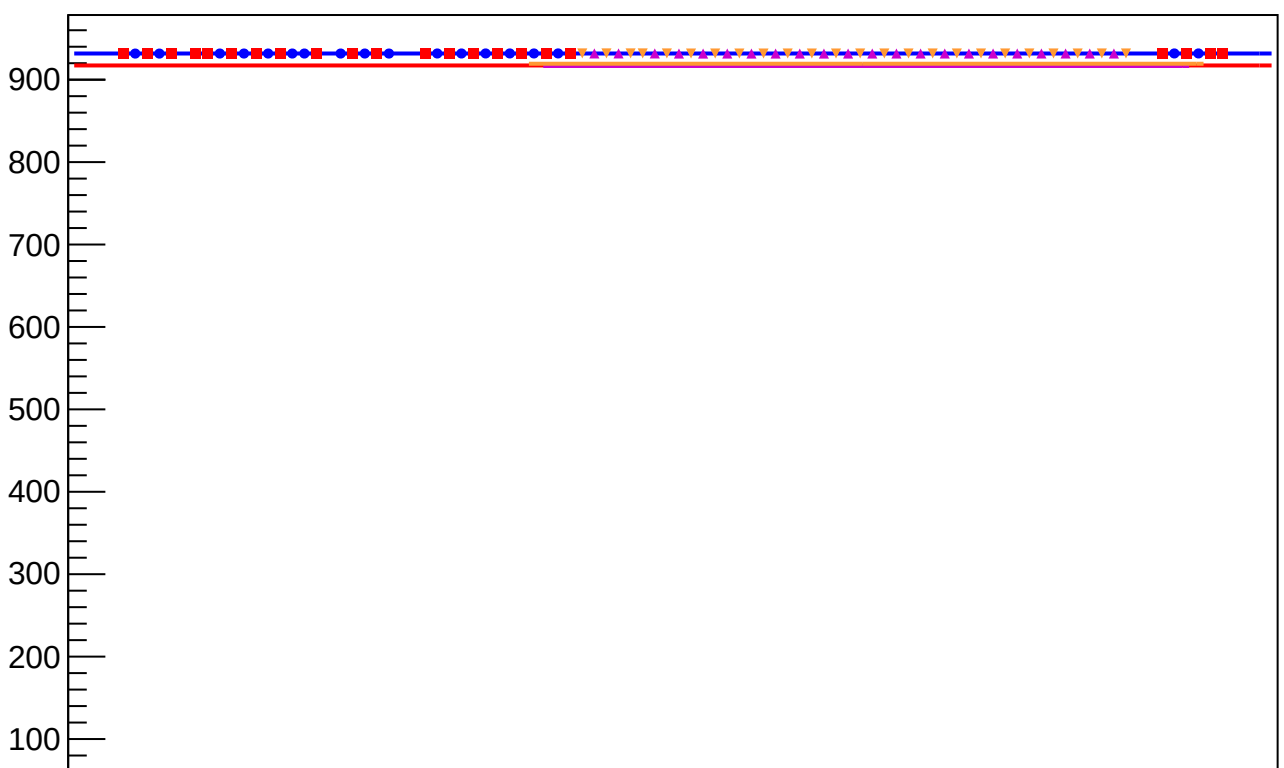
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/42

All: 0.009+/-0.000 χ^2/NDF: 0.6/88

- sign 0.009+/-0.000 χ^2/NDF: 0.3/45

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

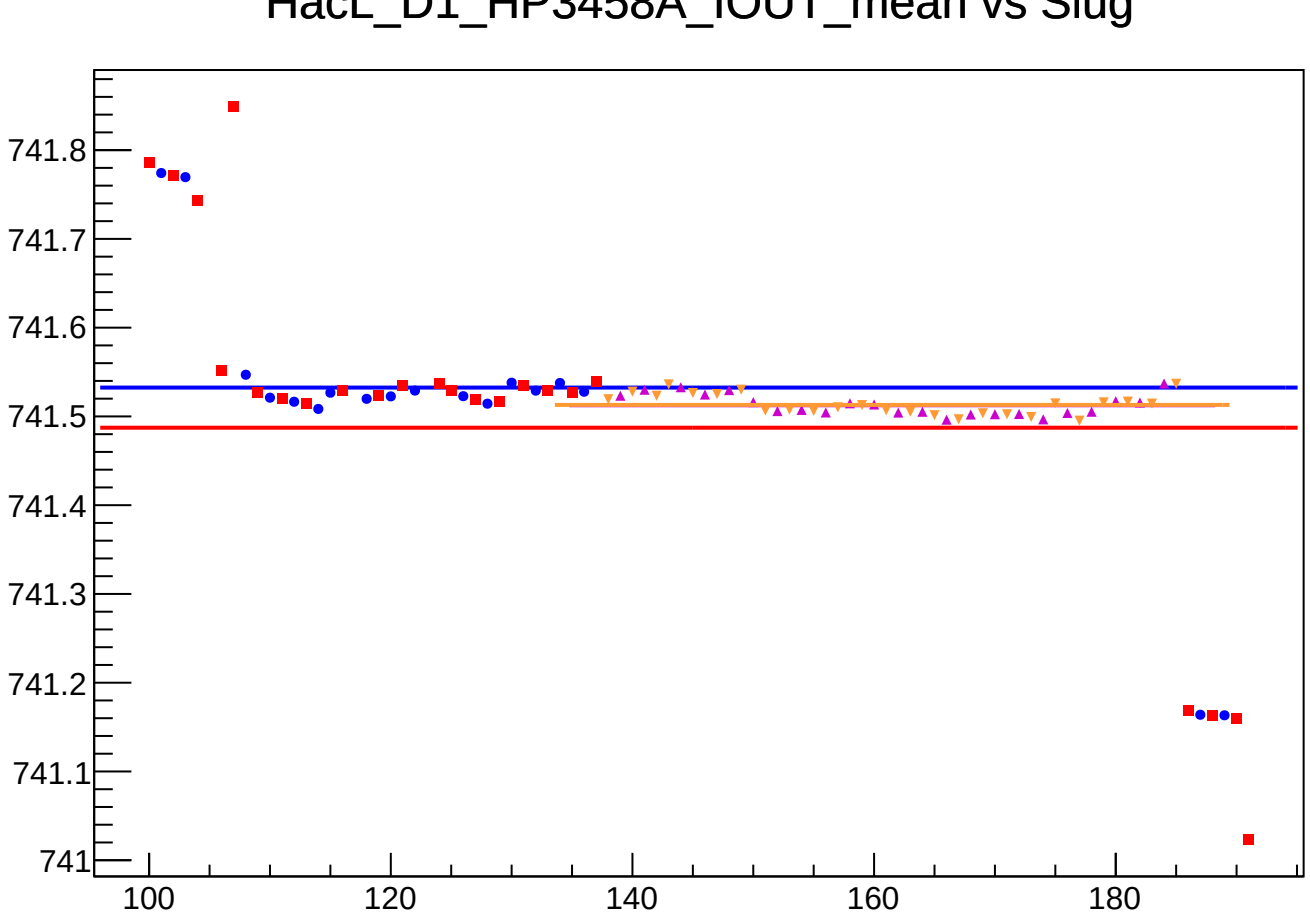
Left Out: 919.347+/-0.000 χ^2/NDF:230211234962152806190415261330812243648.0/24

All: 919.870+/-0.000 χ^2/NDF: 623525315697

Right Out: 917.267+/-0.000 χ^2/NDF: 1281948850864890114548061433834871193 6.0/22

- sign 916.860+/-0.000 χ^2/NDF: 391894735632252

Left In: 916.654+/-0.000 χ^2/NDF:263697449311835480737856648421855723 52.0/22



Right In: 741.532+/-0.000 χ^2/NDF: 1735510079214419870478177298022 4.0/17

Left Out: 741.513+/-0.000 χ^2/NDF:2519763107681262962318896005 12.0/24

Right Out: 741.487+/-0.000 χ^2/NDF: 3752773510989146622919053620 0192.0/22

Left In: 741.513+/-0.000 χ^2/NDF:2347039830300854231858958827 52.0/22

+ sign 741.519+/-0.000 χ^2/NDF: 178284050674226

All: 741.511+/-0.000 χ^2/NDF: 562987294095

- sign 741.504+/-0.000 χ^2/NDF: 381711377527823

HacL_Q3_HP3458A_IOUT_mean vs Slug

Right In: 980.804+/-0.000 χ^2/NDF: 936100460929201627335854391296.0/17

+ sign 971.450+/-0.000 χ^2/NDF: 256051072237110

Left Out: 967.677+/-0.000 χ^2/NDF:2550515560327992564154129577963369267 2.0/24

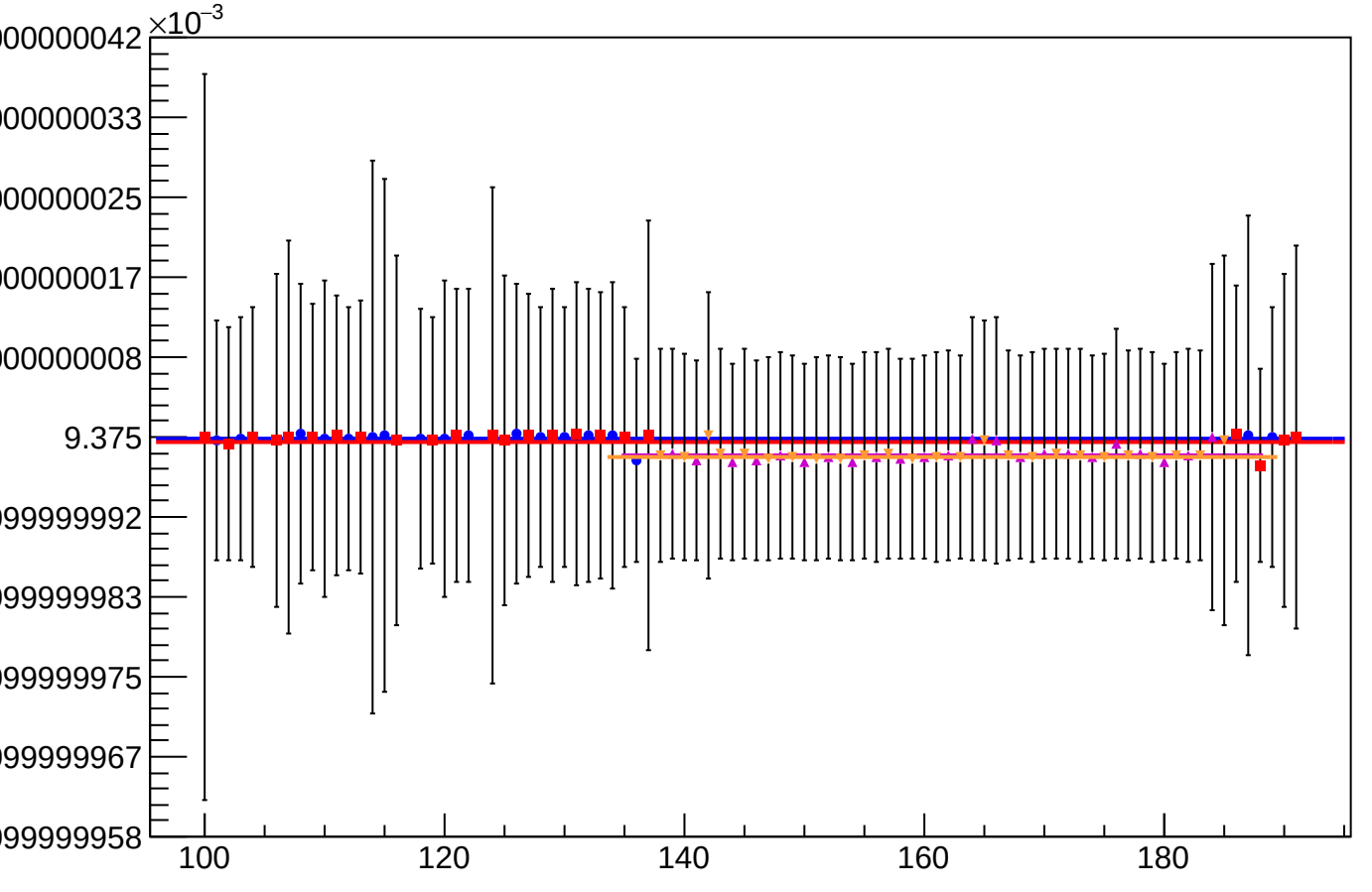
All: 970.817+/-0.000 χ^2/NDF: 54985098550

Right Out: 980.759+/-0.000 χ^2/NDF: 6168284559664557600033703618150 4.0/22

- sign 970.193+/-0.000 χ^2/NDF: 293777391252109

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: 0.1/22

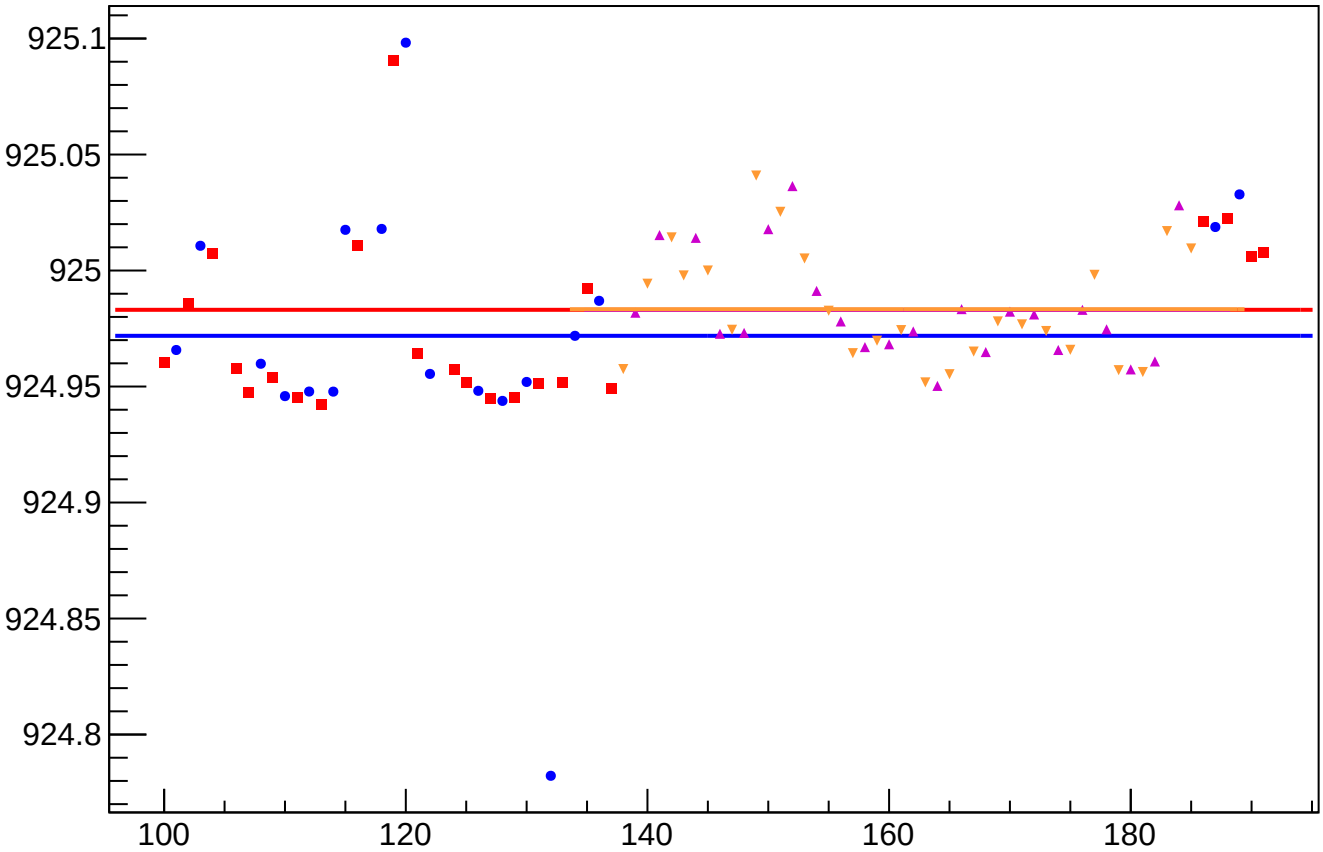
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/42

All: 0.009+/-0.000 χ^2/NDF: 0.6/88

- sign 0.009+/-0.000 χ^2/NDF: 0.3/45

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: 924.983+/-0.000 χ^2/NDF: 1550802098346976465528331173888.0/22

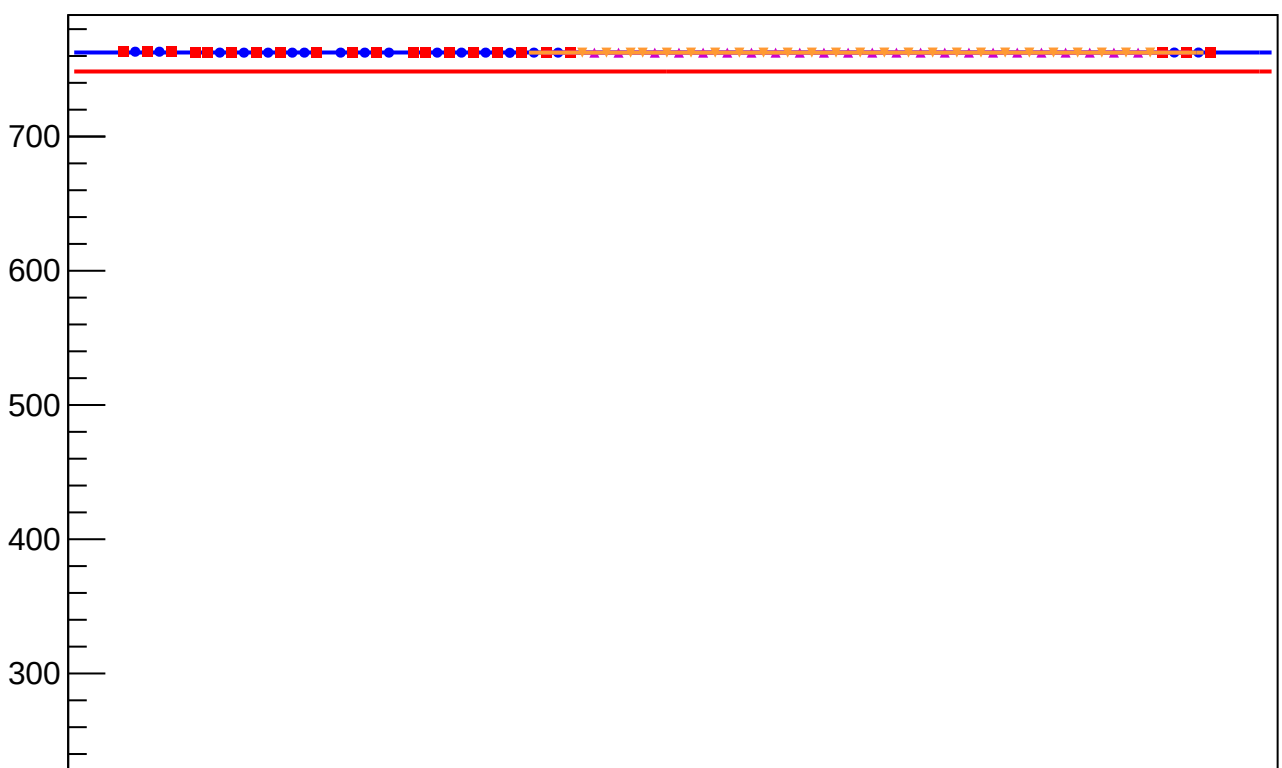
Left In: 924.983+/-0.000 χ^2/NDF:928270307181587701368348475392.0/22

+ sign 924.980+/-0.000 χ^2/NDF: 404762167509660

All: 924.982+/-0.000 χ^2/NDF: 653962061306

- sign 924.983+/-0.000 χ^2/NDF: 247907454676615

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: 748.448+/-0.000 χ^2/NDF: 724723186207276714133310456631971020 8.0/22

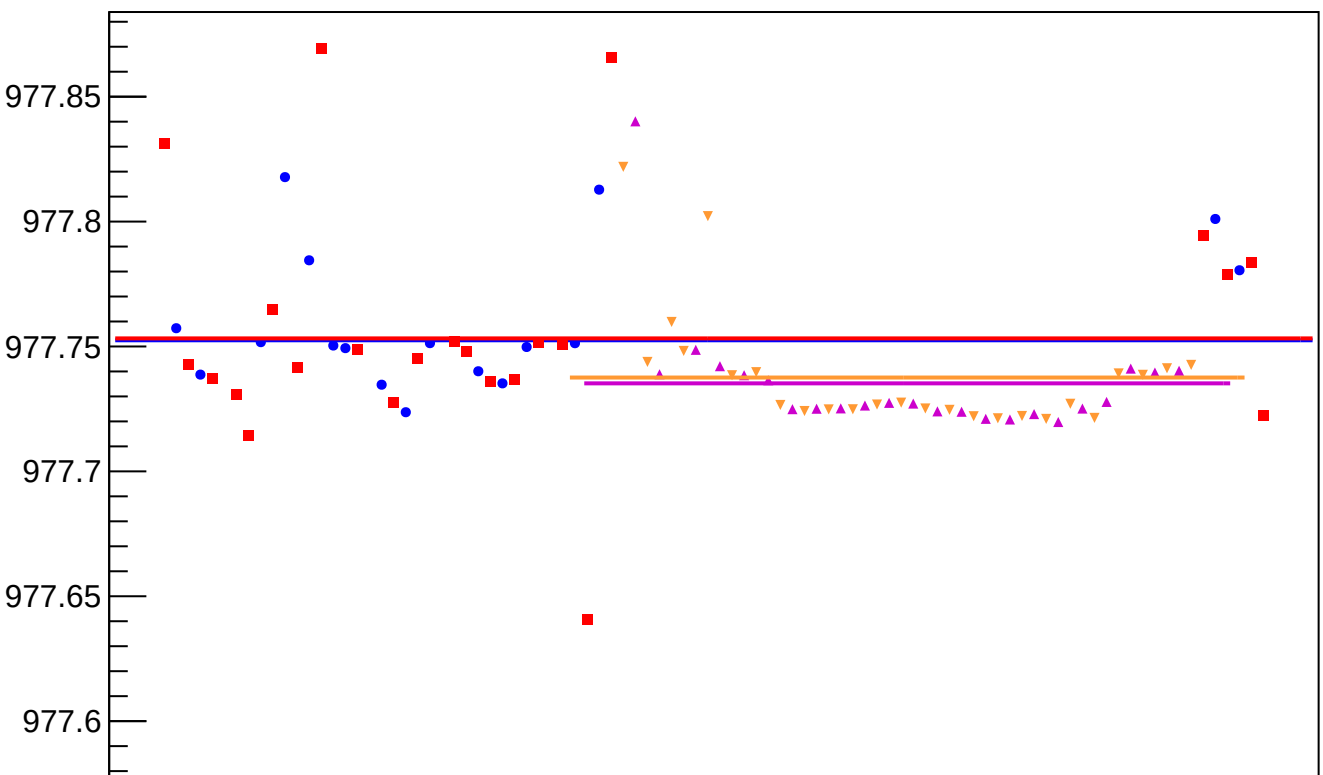
Left In: 762.519+/-0.000 χ^2/NDF:67064753778125939445211961753 6.0/22

+ sign 762.544+/-0.000 χ^2/NDF: 576252111940345

All: 760.154+/-0.000 χ^2/NDF: 7406092945 14

- sign 757.796+/-0.000 χ^2/NDF: 737390324471452

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.752+/-0.000 χ^2/NDF: 2054861935262557094567200423936.0/17

Left Out: 977.738+/-0.000 χ^2/NDF:1178407872566336572325000904704.0/24

Right Out: 977.753+/-0.000 χ^2/NDF: 2000589637842713069783070277632.0/22

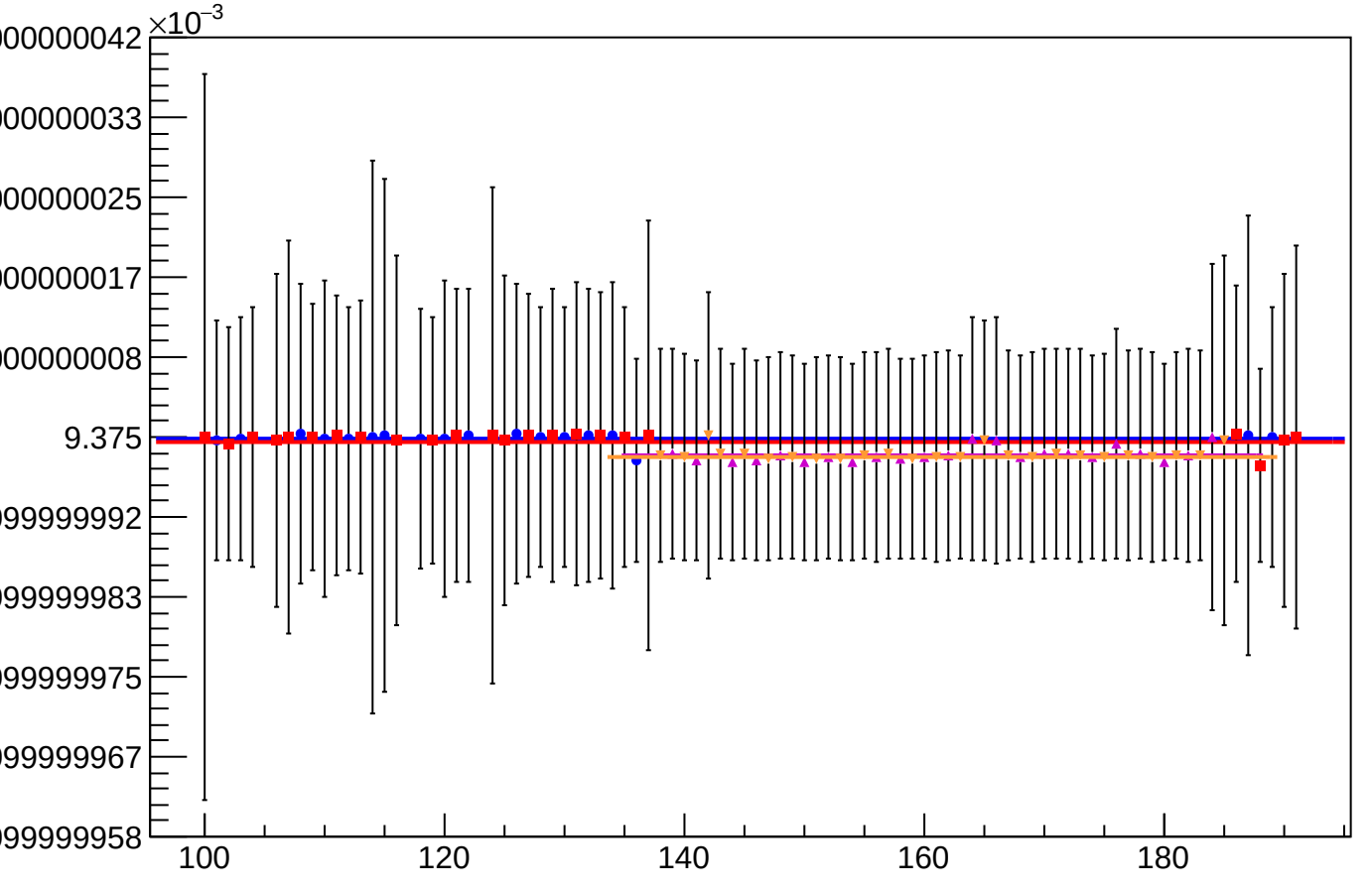
Left In: 977.735+/-0.000 χ^2/NDF:109676643760541725462707254067 2.0/22

+ sign 977.742+/-0.000 χ^2/NDF: 336235806534906

All: 977.742+/-0.000 χ^2/NDF: 666749441843

- sign 977.741+/-0.000 χ^2/NDF: 330466464979110

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: 0.1/22

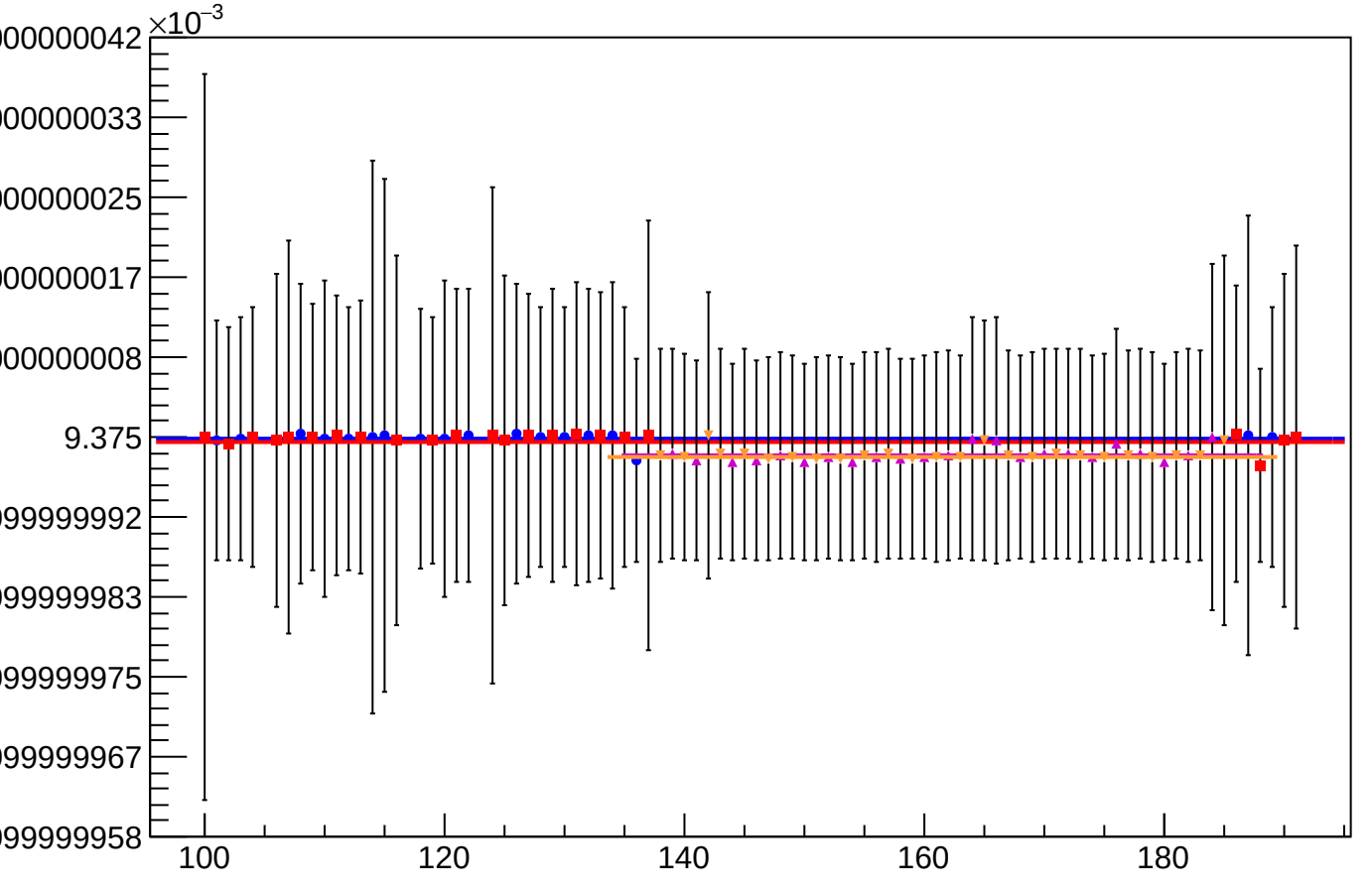
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/42

All: 0.009+/-0.000 χ^2/NDF: 0.6/88

- sign 0.009+/-0.000 χ^2/NDF: 0.3/45

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: 0.1/22

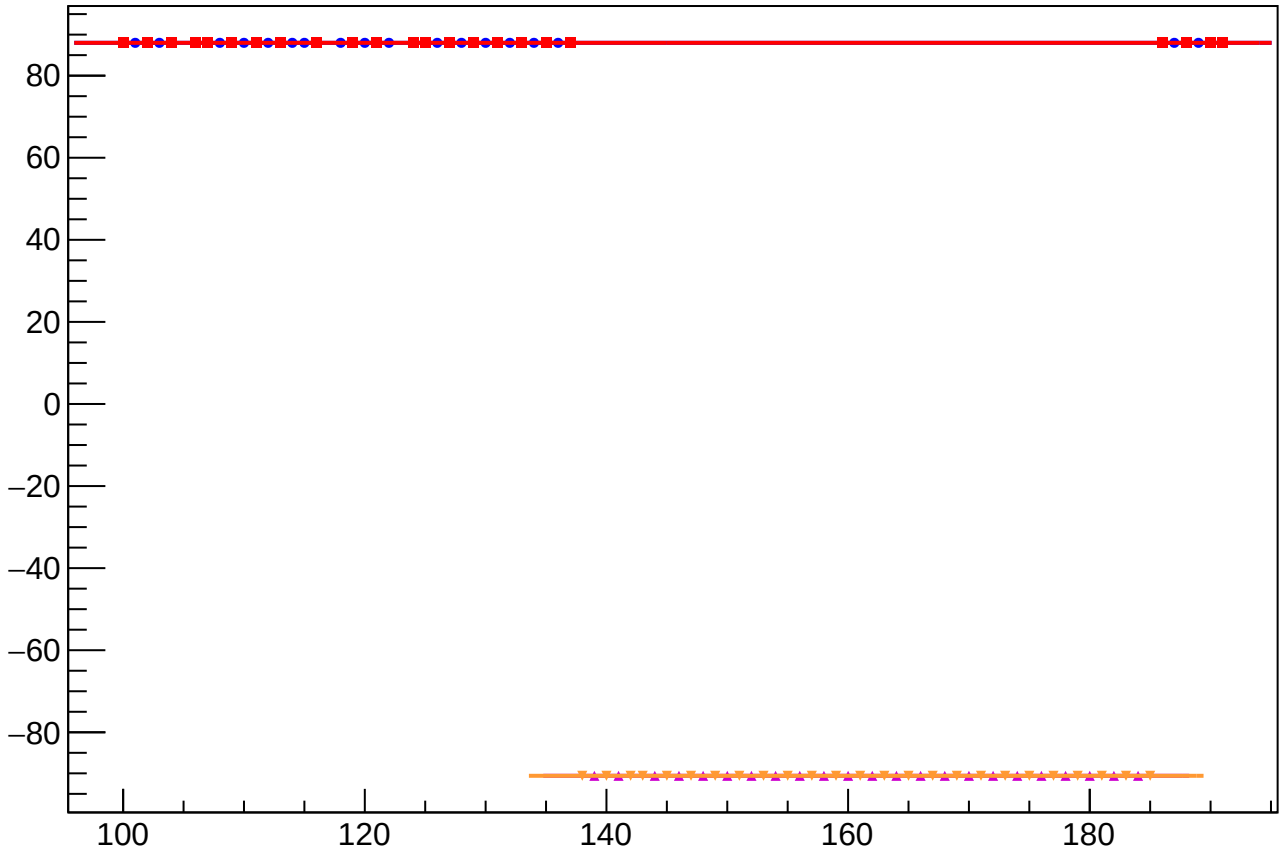
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/42

All: 0.009+/-0.000 χ^2/NDF: 0.6/88

- sign 0.009+/-0.000 χ^2/NDF: 0.3/45

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

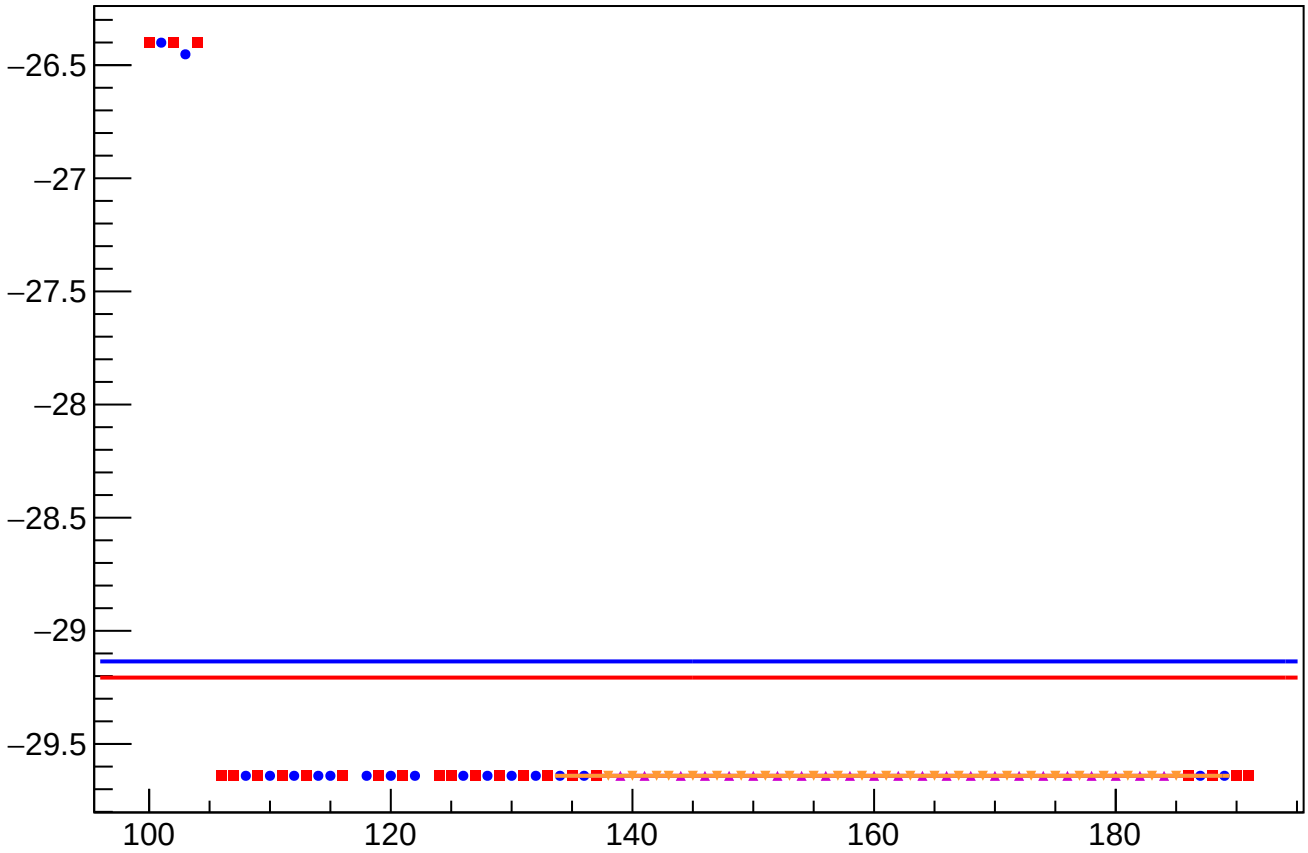
Right Out: 88.003+/-0.000 χ^2/NDF: 74385363658117519852445892608.0/22

Left In: -90.599+/-0.000 χ^2/NDF:7520558.1/22

+ sign -39.264+/-0.000 χ^2/NDF: 185018530331638

All: -34.929+/-0.000 χ^2/NDF: 390152093068

- sign -30.650+/-0.000 χ^2/NDF: 2040760142780140



Right In: -29.135+/-0.000 χ^2/NDF: 1114859572060392081071230599299072.0/17

Left Out: -29.641+/-0.000 χ^2/NDF:409122.2/24

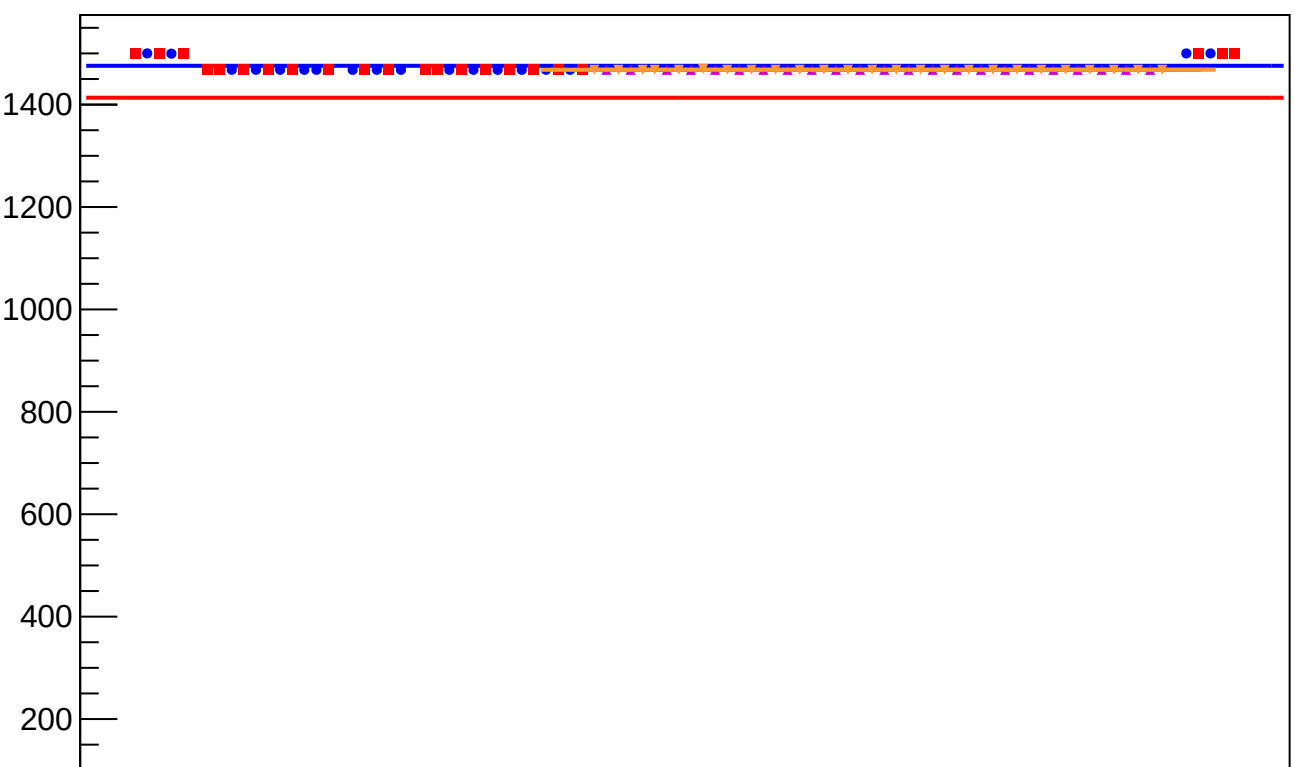
Right Out: -29.207+/-0.000 χ^2/NDF: 1172787947663571949115072722239488.0/22

Left In: -29.641+/-0.000 χ^2/NDF:290780.4/22

+ sign -29.495+/-0.000 χ^2/NDF: 126307757941887

All: -29.495+/-0.000 χ^2/NDF: 255637918328

- sign -29.495+/-0.000 χ^2/NDF: 1293301392819791



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

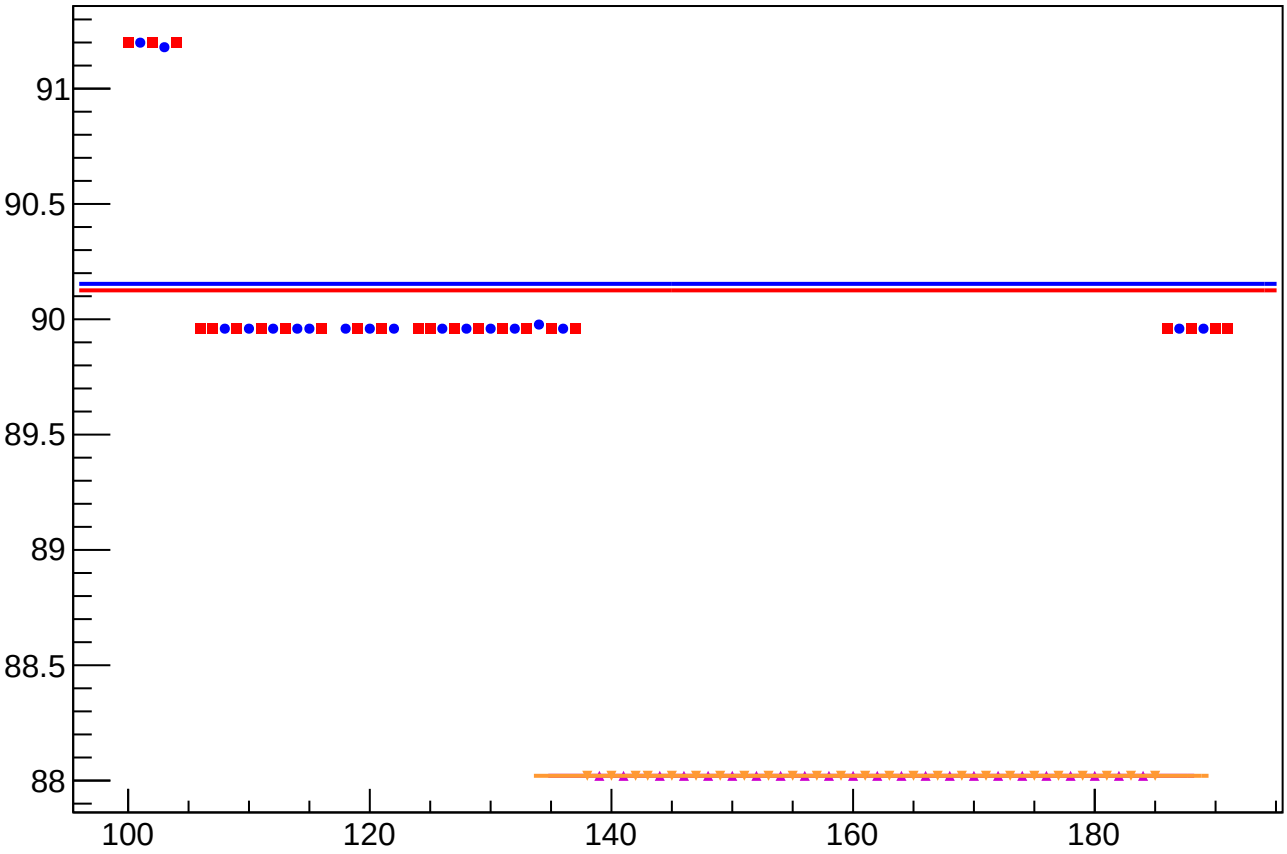
All: 1459.930+/-0.000 χ^2/NDF: 906364173

Right Out: 1413.499+/-0.000 χ^2/NDF: 879432900939288628525214177265136435 20.0/22

- sign 1449.702+/-0.000 χ^2/NDF: 8984317170778

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: 90.125+/-0.000 χ^2/NDF: 17178009719627881606888666483916 8.0/22

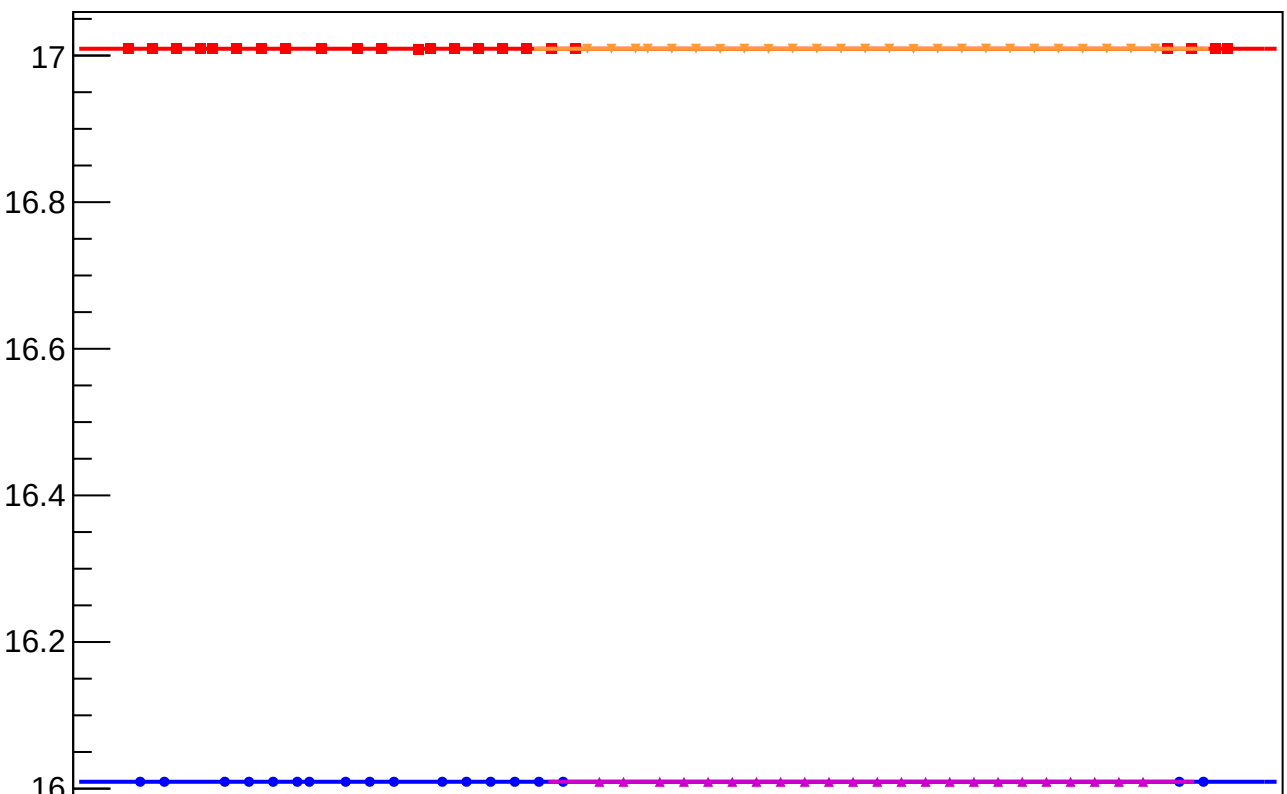
Left In: 88.021+/-0.000 χ^2/NDF:7159272.4/22

+ sign 88.634+/-0.000 χ^2/NDF: 2801785015749983

All: 88.681+/-0.000 χ^2/NDF: 5819990614877

- sign 88.727+/-0.000 χ^2/NDF: 3005773929214946

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:279903456758836896737525760.0/24

Right Out: 17.009+/-0.000 χ^2/NDF: 1596724559957851228864512 0.0/22

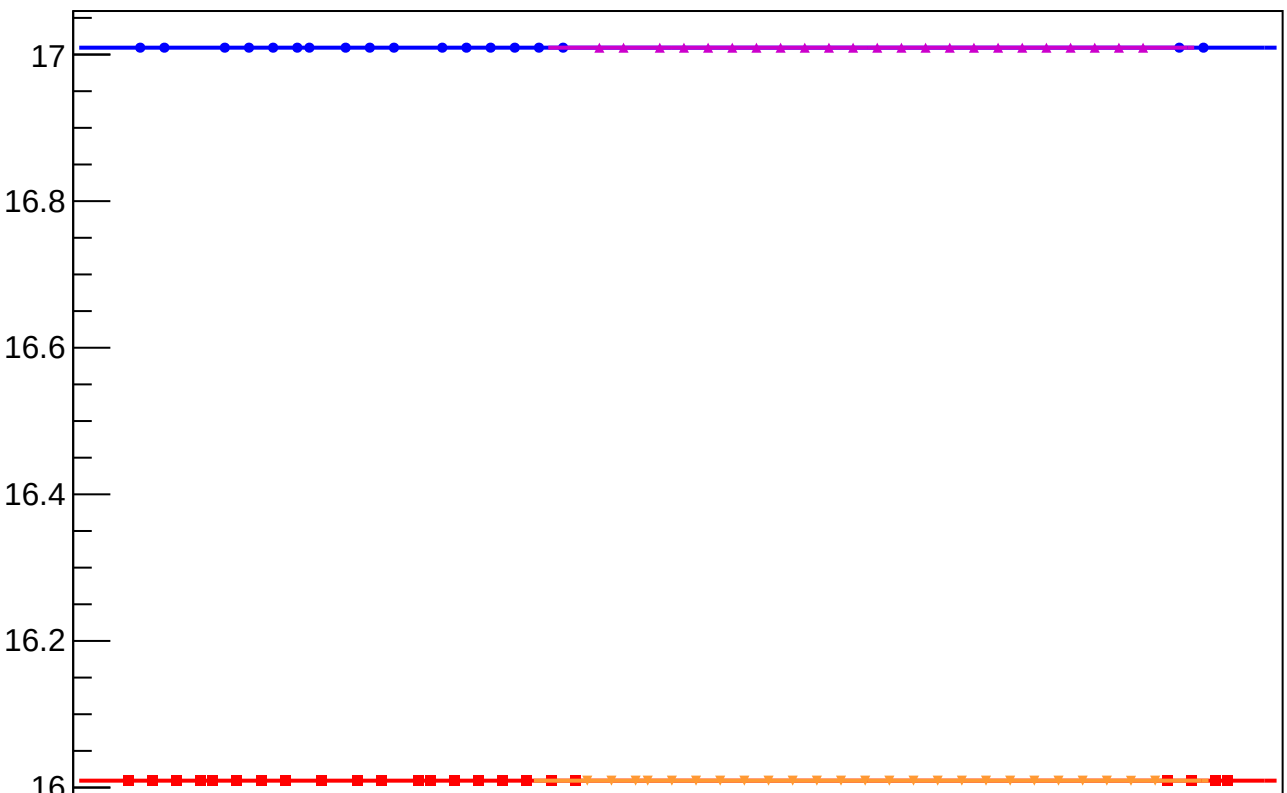
Left In: 16.009+/-0.000 χ^2/NDF:124687912167063523688448.0/22

+ sign 16.717+/-0.000 χ^2/NDF: 5479714409525198

All: 16.530+/-0.000 χ^2/NDF: 132468235807

- sign 16.345+/-0.000 χ^2/NDF: 5933327412096817

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: 209256.4/22

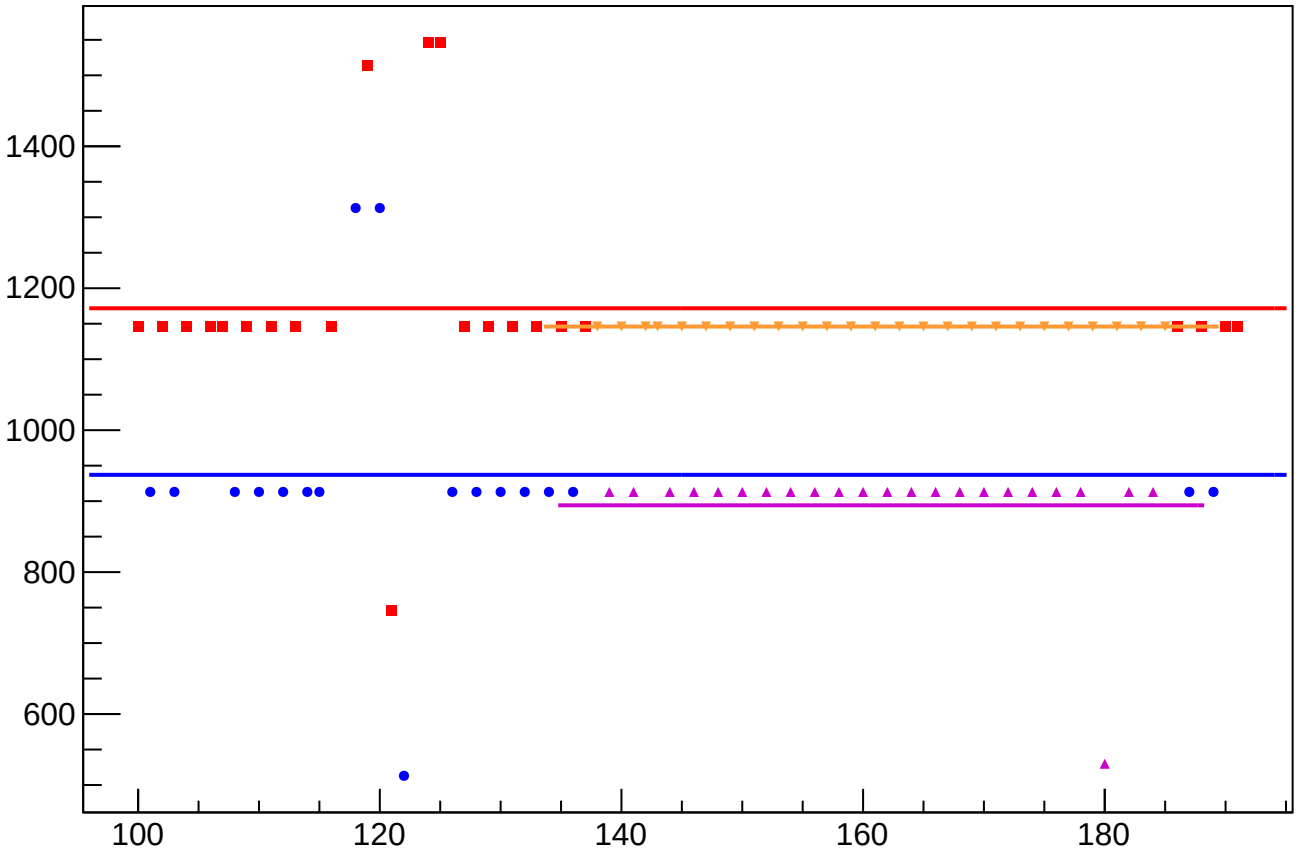
Left In: 17.009+/-0.000 χ^2/NDF:11100710442088156626944O.0/22

+ sign 16.291+/-0.000 χ^2/NDF: 5605282766629024

All: 16.482+/-0.000 χ^2/NDF: 139343660758

- sign 16.669+/-0.000 χ^2/NDF: 6327541704745780

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

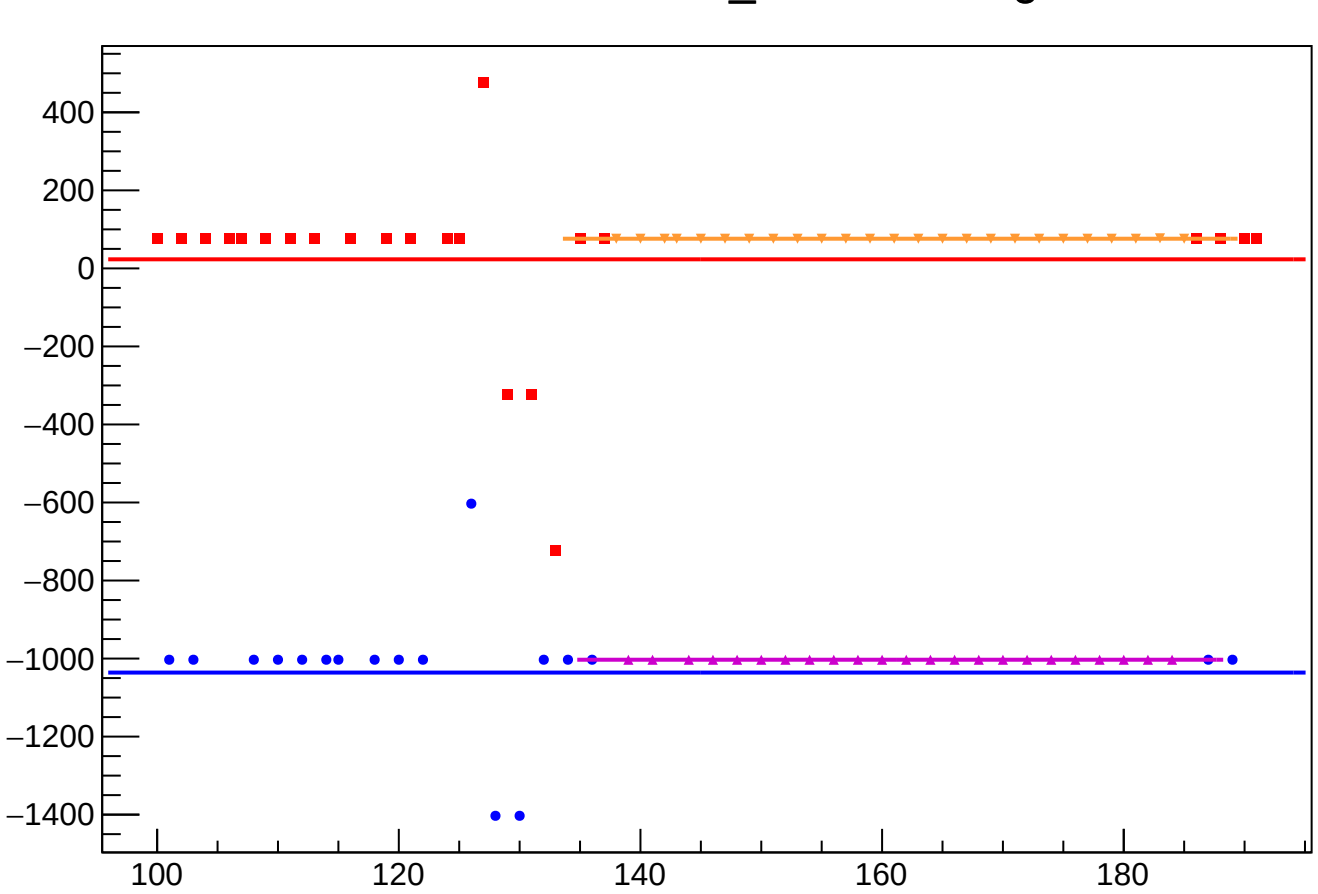
Left Out: 1146.020+/-0.000 χ^2/NDF:37030712979418714599064306974720.0/24

All: 1036.313+/-0.000 χ^2/NDF: 1450607678

Right Out: 1171.763+/-0.000 χ^2/NDF: 22307673537285759270049723623491502080.0/22

- sign 987.304+/-0.000 χ^2/NDF: 847358707136672

Left In: 894.107+/-0.000 χ^2/NDF:13107238299211712783896183802964213760.0/22



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

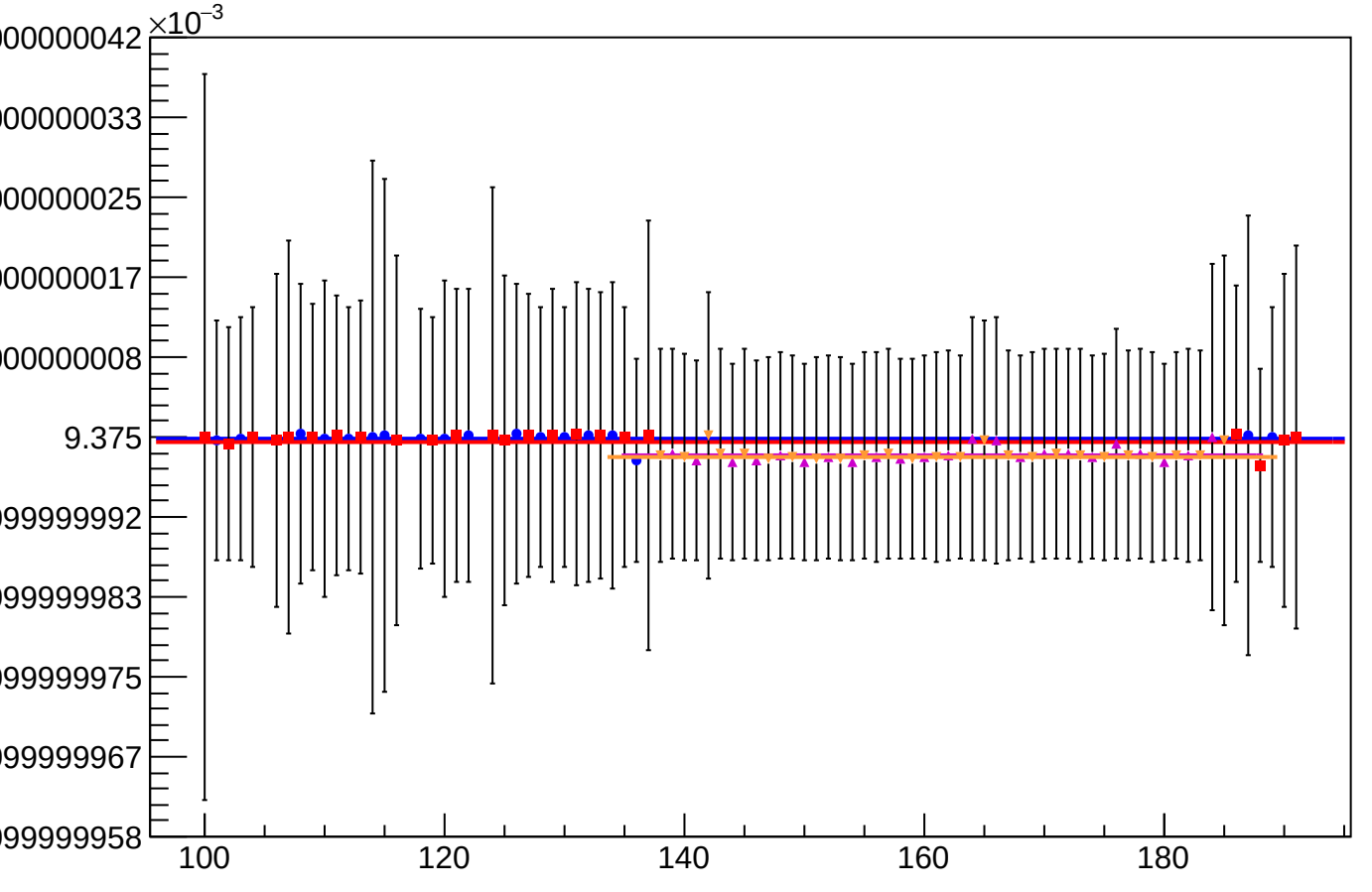
All: -452.387+/-0.000 χ^2/NDF: 1706107385

Right Out: 23.258+/-0.000 χ^2/NDF: 467599416110626579835882154676453376O0.0/22

- sign -658.522+/-0.000 χ^2/NDF: 72054825712477

Left In: -1002.990+/-0.000 χ^2/NDF:29519559033483147530972692480.0/22

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: 0.1/22

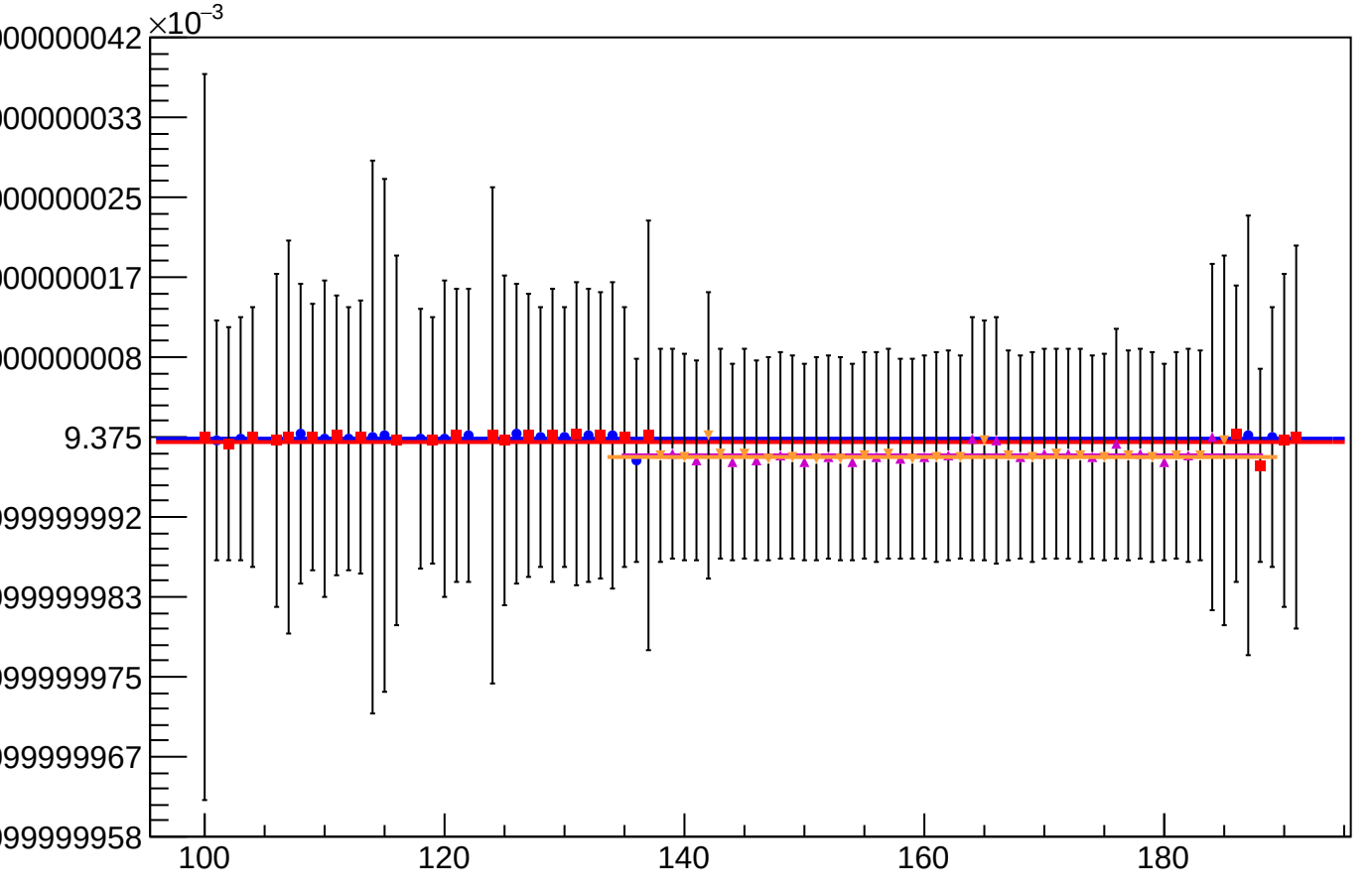
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/42

All: 0.009+/-0.000 χ^2/NDF: 0.6/88

- sign 0.009+/-0.000 χ^2/NDF: 0.3/45

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: 0.1/22

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: 0.6/88

- sign 0.009+/-0.000 χ^2/NDF: 0.3/45